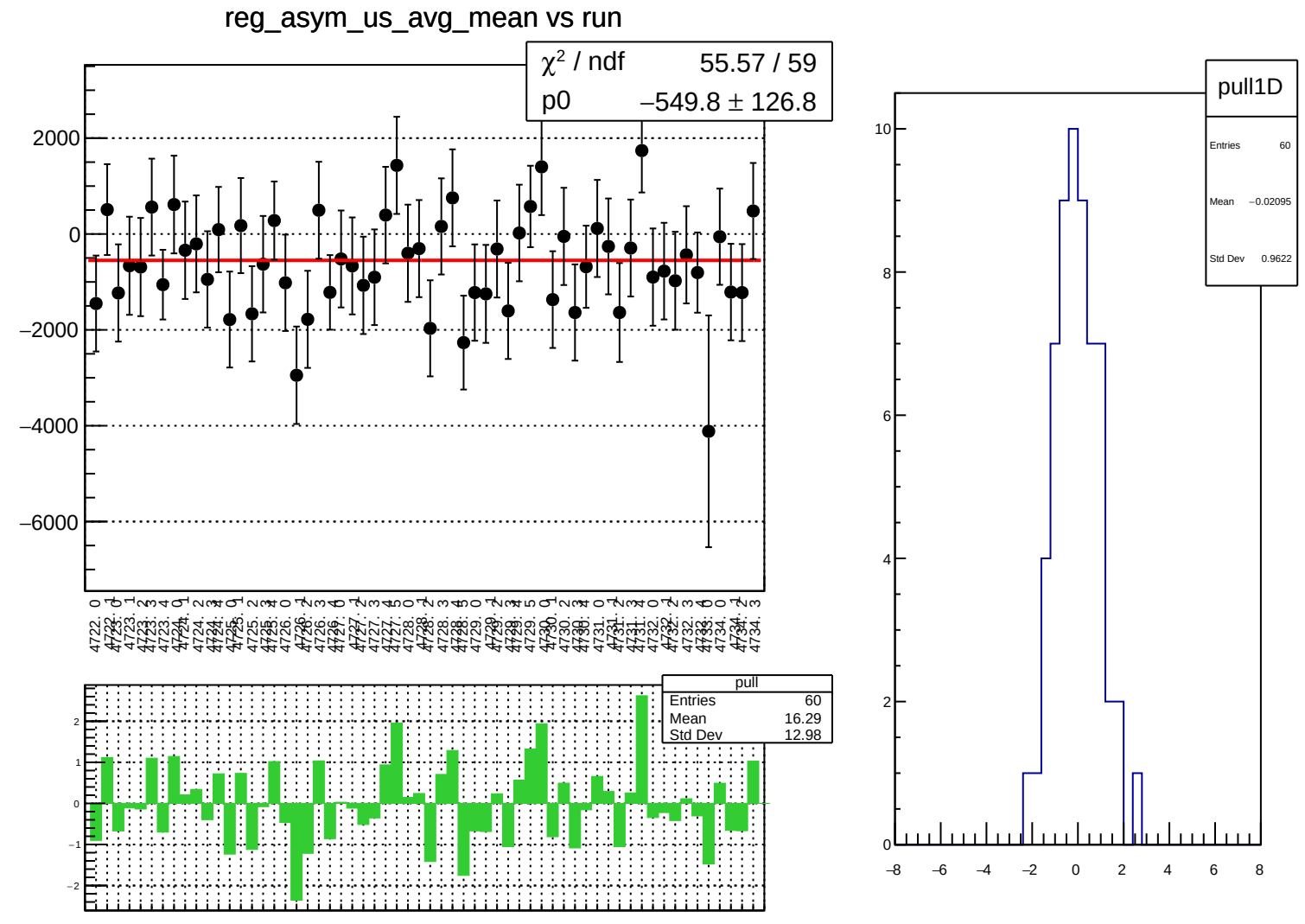
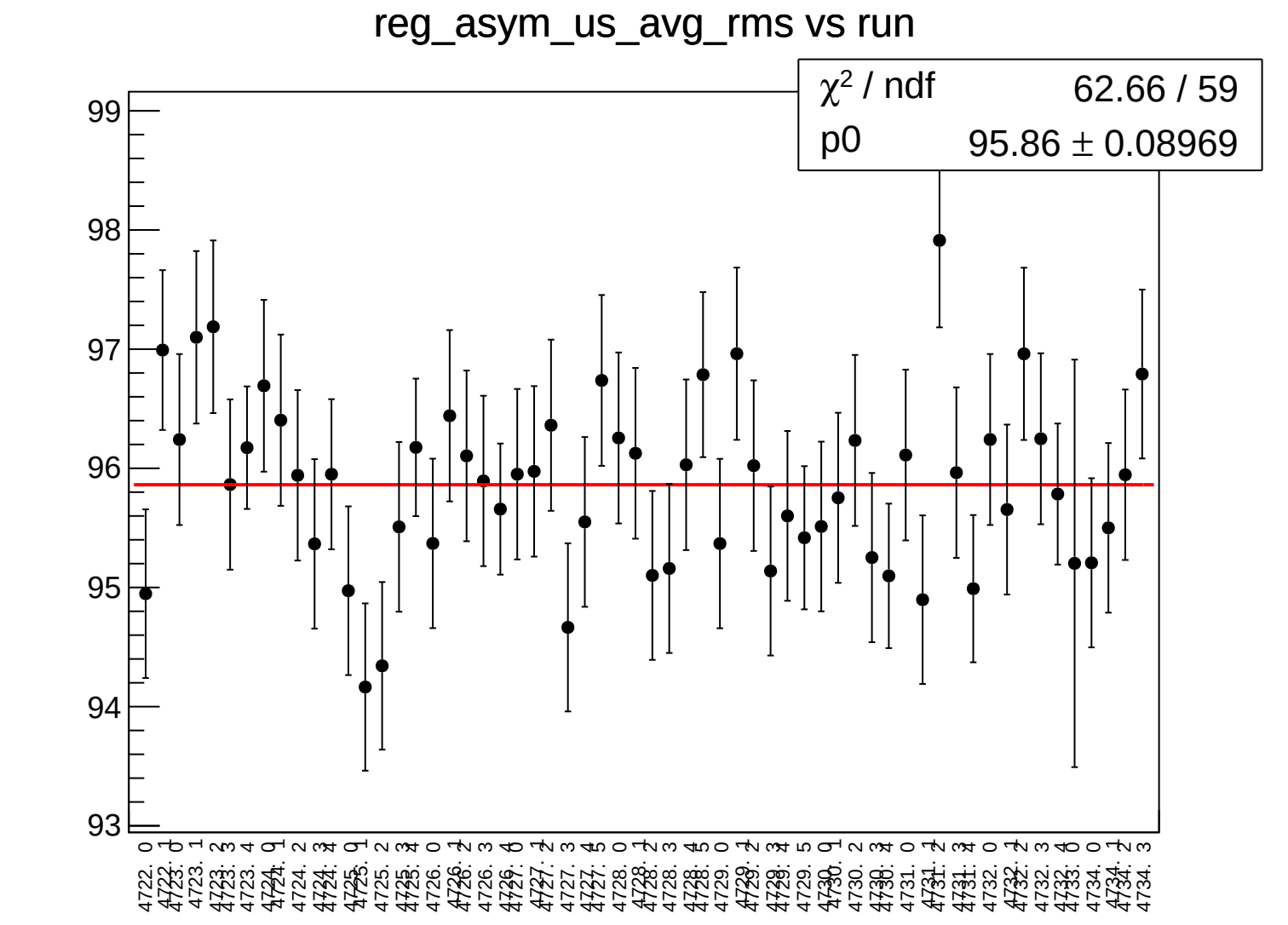
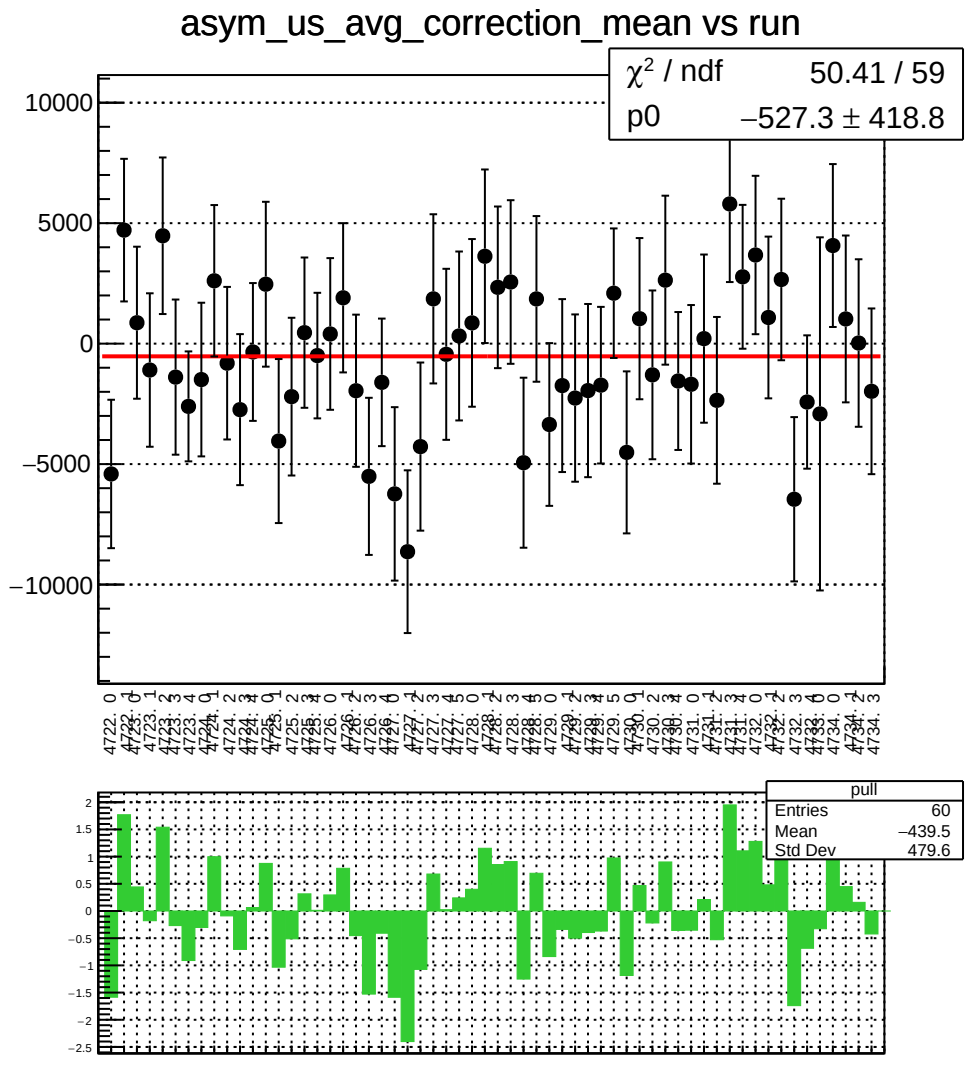
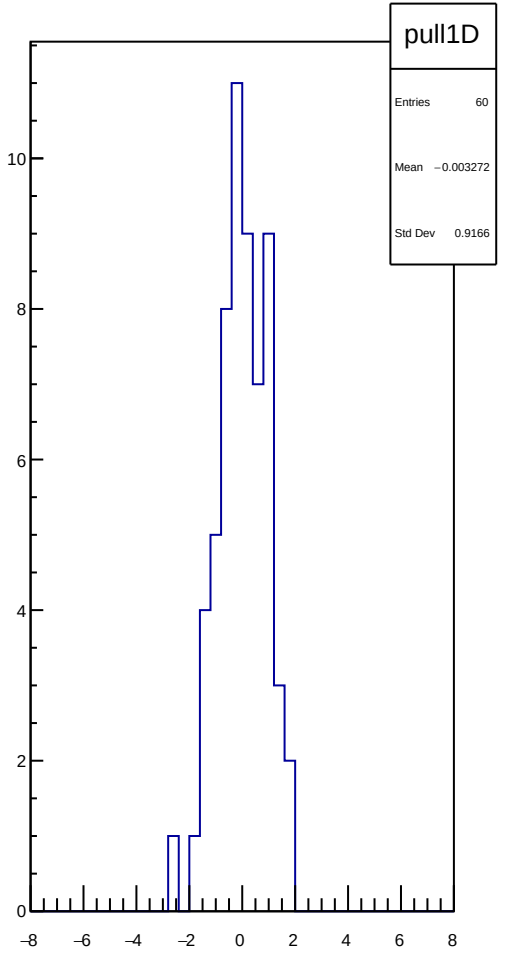
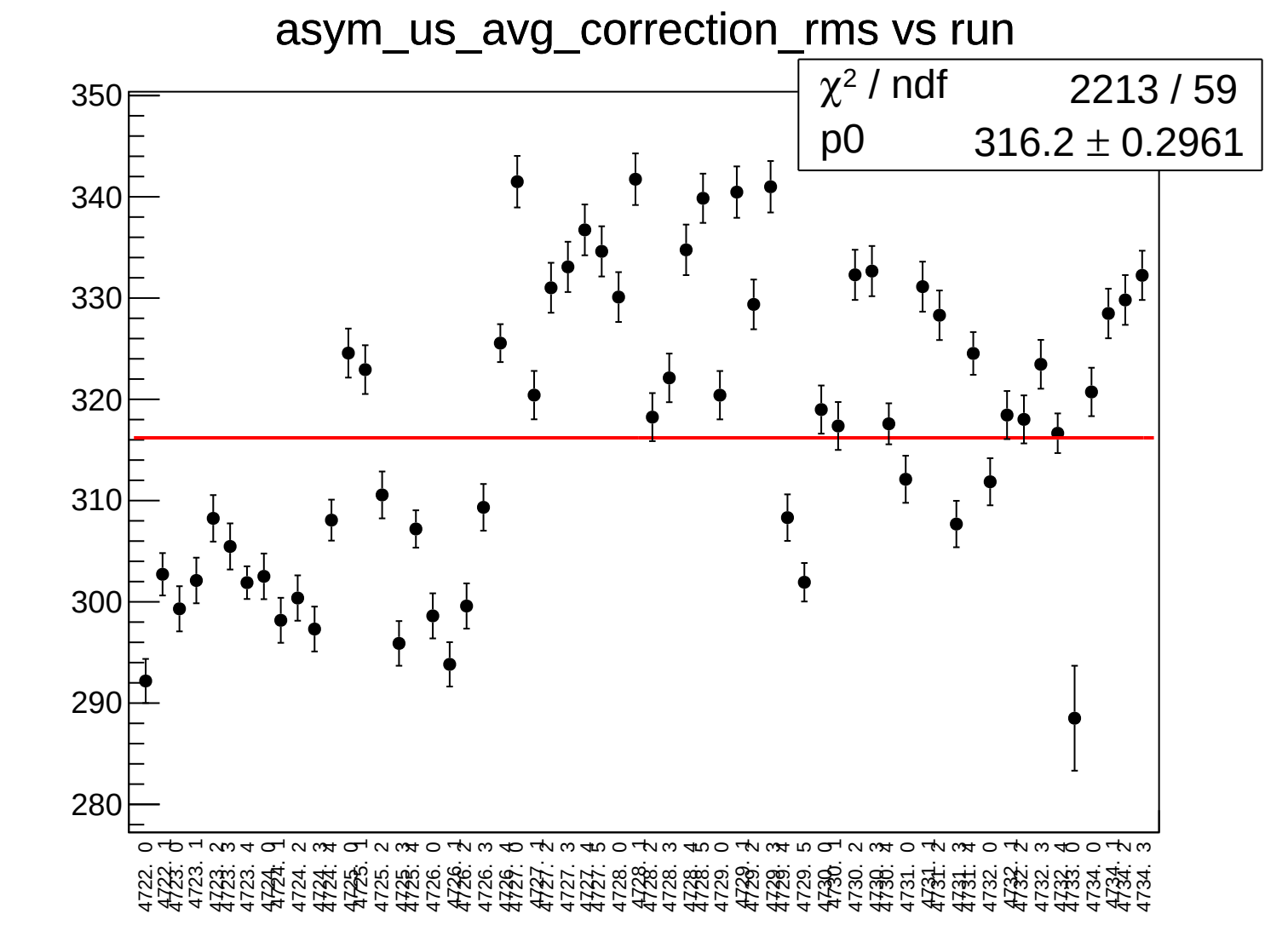
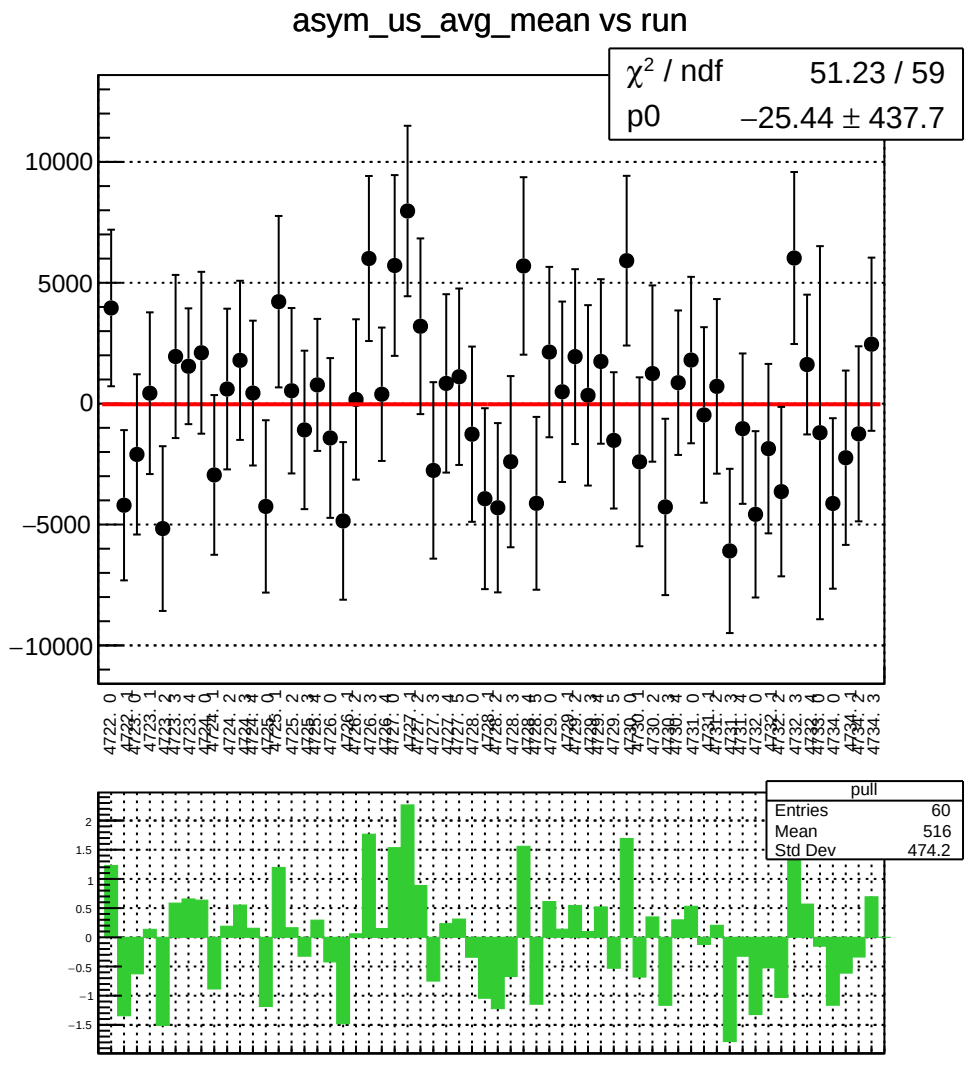

reg_asym_us_avg_mean vs run
χ² / ndf 55.57 / 59
p0 −549.8 ± 126.8
pull
Entries 60
Mean 16.29
Std Dev 12.98
pull1D
Entries 60
Mean −0.02095
Std Dev 0.9622

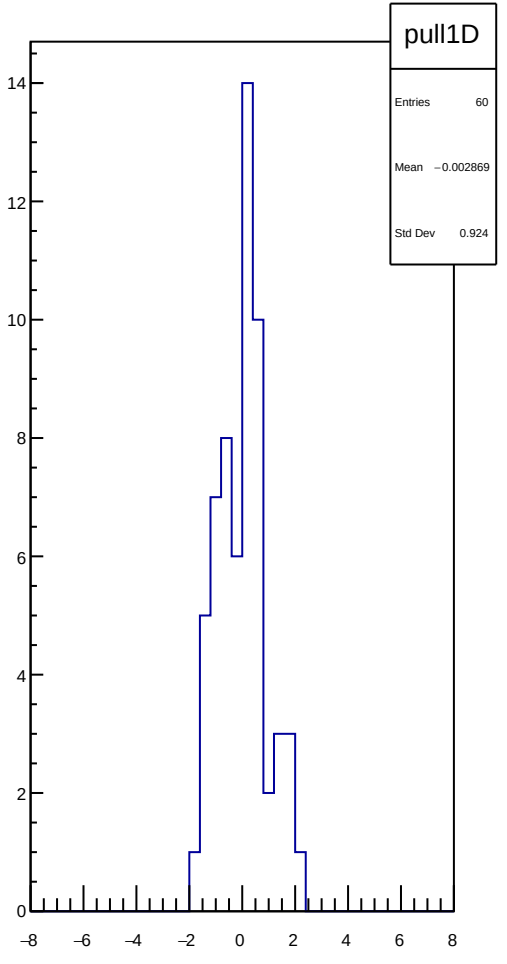

reg_asym_us_avg_rms vs run
χ^2 / ndf 62.66 / 59
p0 95.86 ± 0.08969
99
98
97
96
95
94
93
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

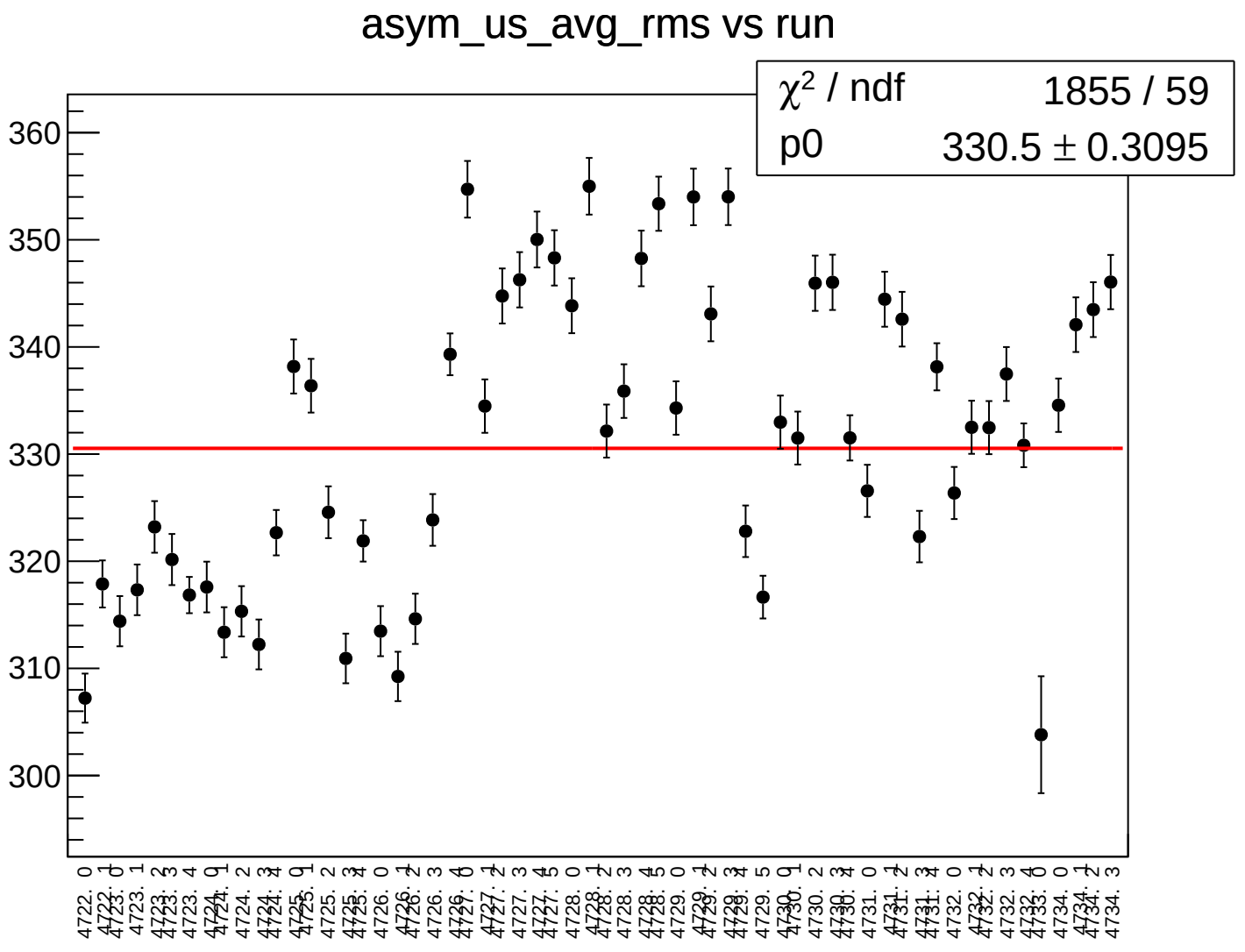

asym_us_avg_correction_mean vs run
χ² / ndf 50.41 / 59
p0 −527.3 ± 418.8
10000
5000
0
−5000
−10000
pull
Entries 60
Mean −439.5
Std Dev 479.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

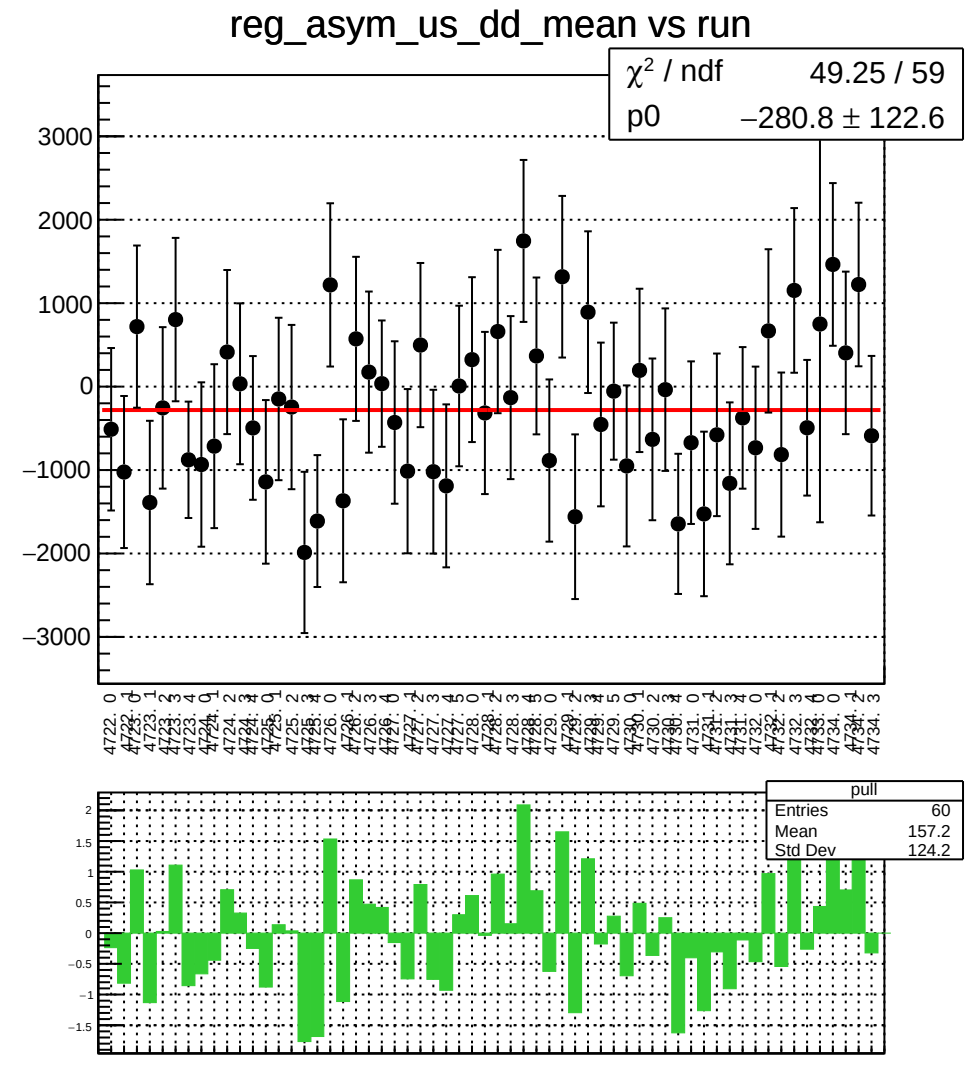

pull1D
Entries 60
Mean −0.003272
Std Dev 0.9166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

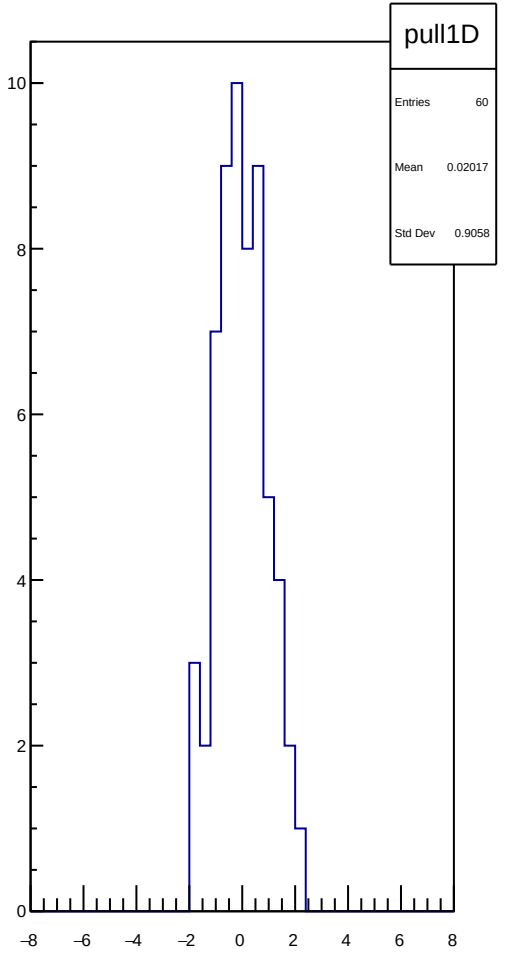

asym_us_avg_correction_rms vs run
χ² / ndf 2213 / 59
p0 316.2 ± 0.2961
350
340
330
320
310
300
290
280

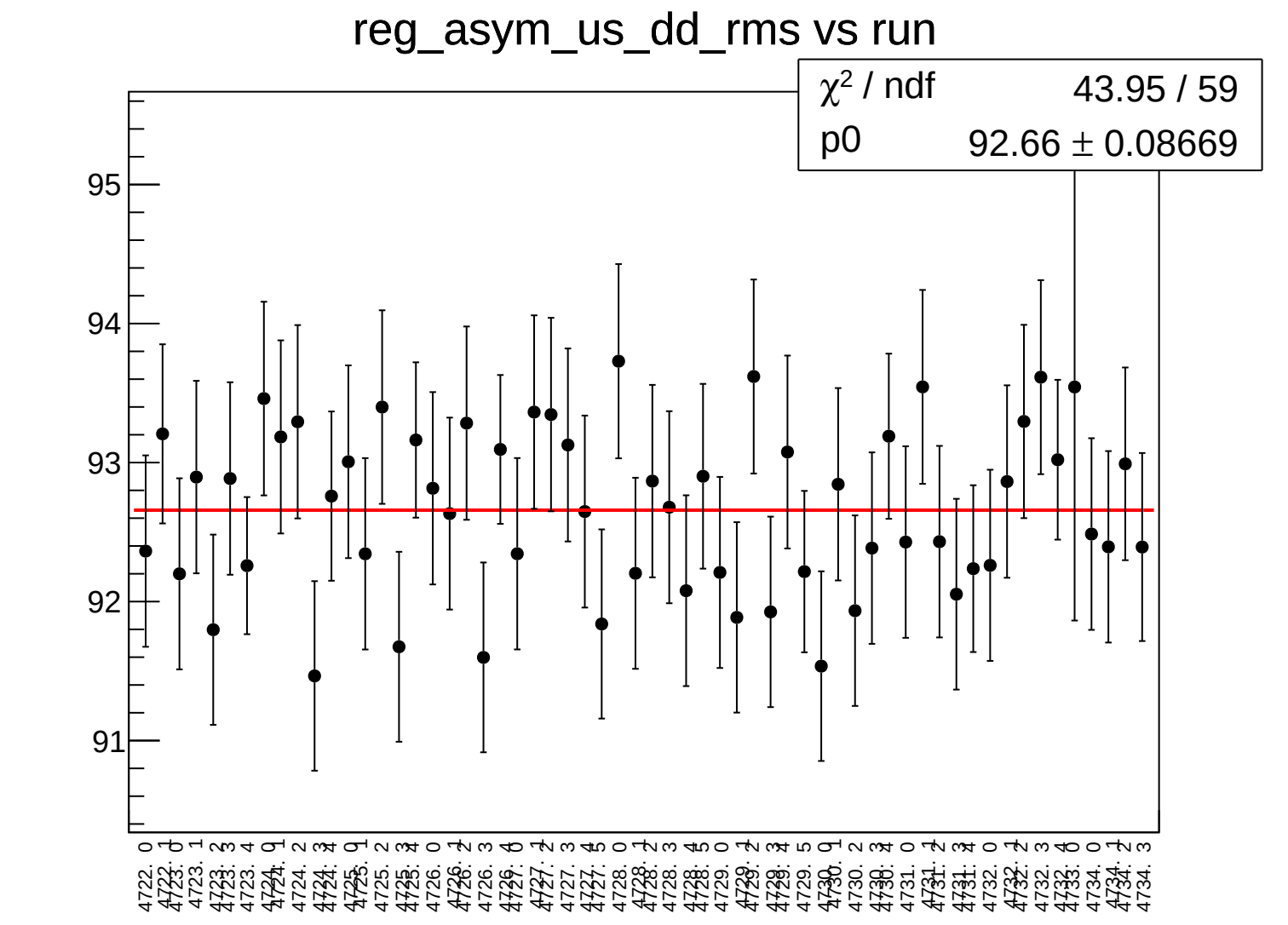

asym_us_avg_mean vs run
χ² / ndf 51.23 / 59
p0 −25.44 ± 437.7
10000
5000
0
−5000
−10000
pull
Entries 60
Mean 516
Std Dev 474.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

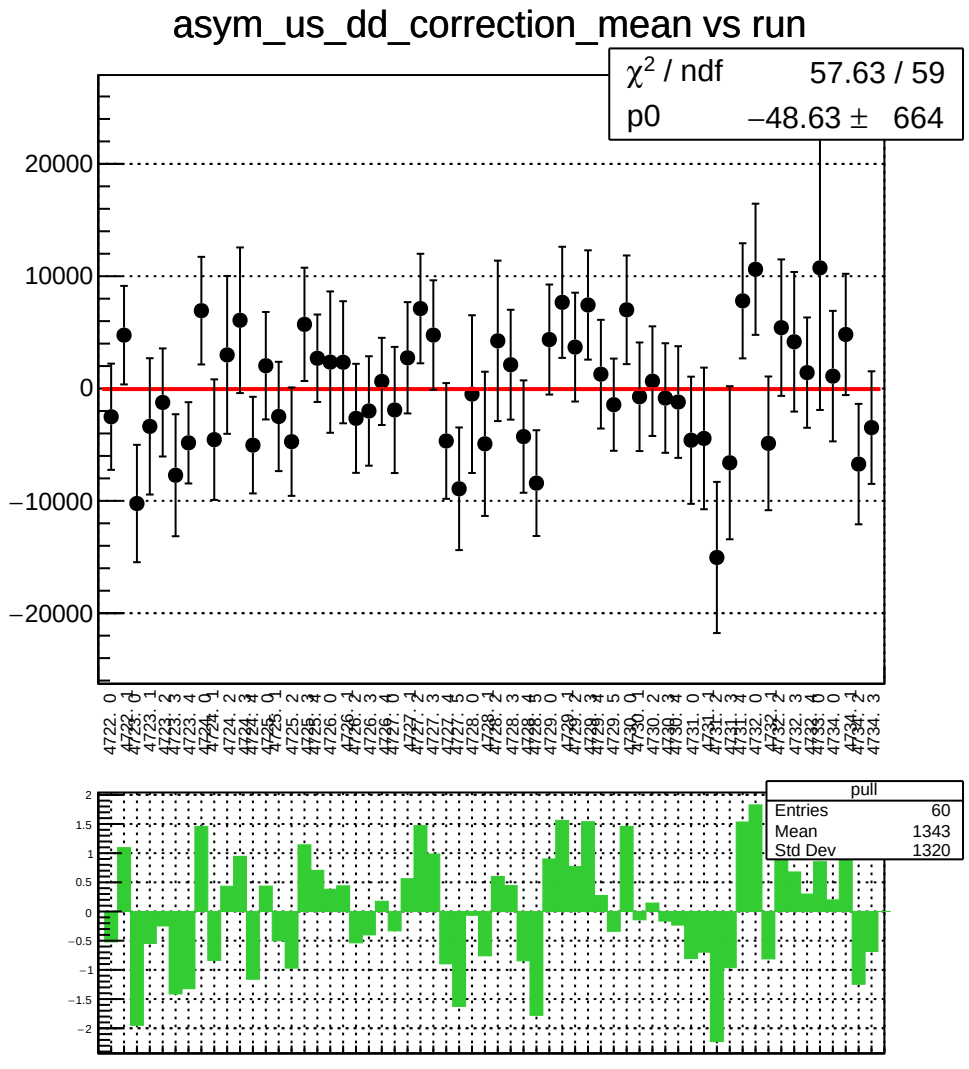

pull1D
Entries 60
Mean −0.002869
Std Dev 0.924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

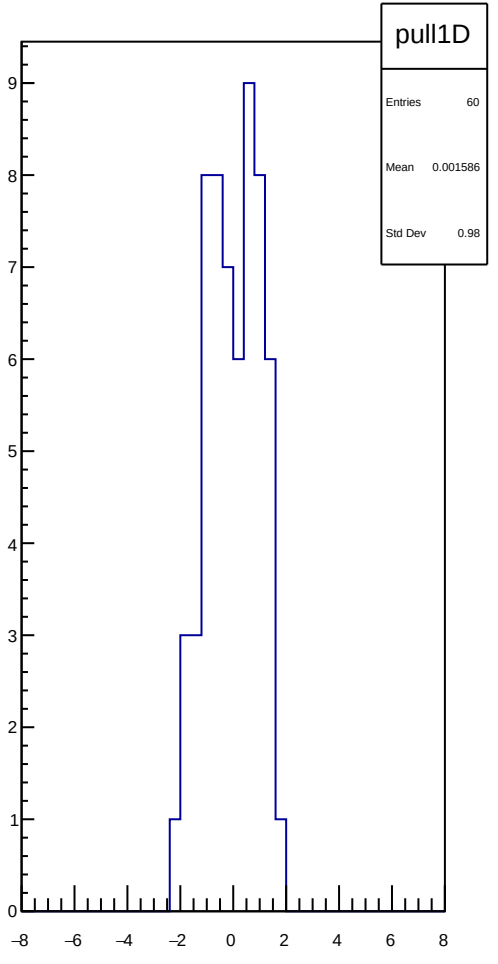

asym_us_avg_rms vs run
χ² / ndf 1855 / 59
p0 330.5 ± 0.3095
360
350
340
330
320
310
300
4722. 0
4722. 1
4722. 2
4722. 3
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

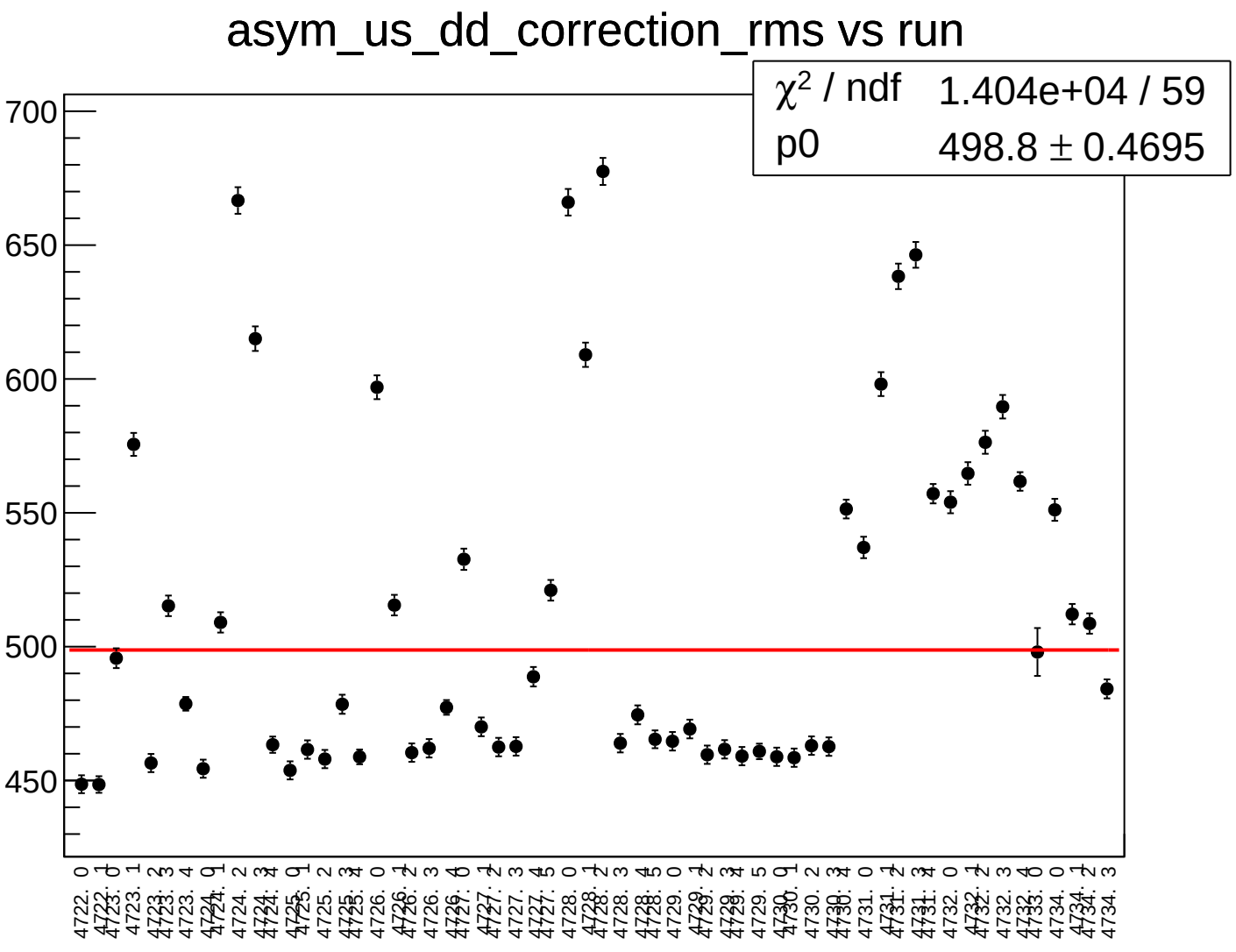

reg_asym_us_dd_mean vs run
χ² / ndf 49.25 / 59
p0 −280.8 ± 122.6
pull
Entries 60
Mean 157.2
Std Dev 124.2

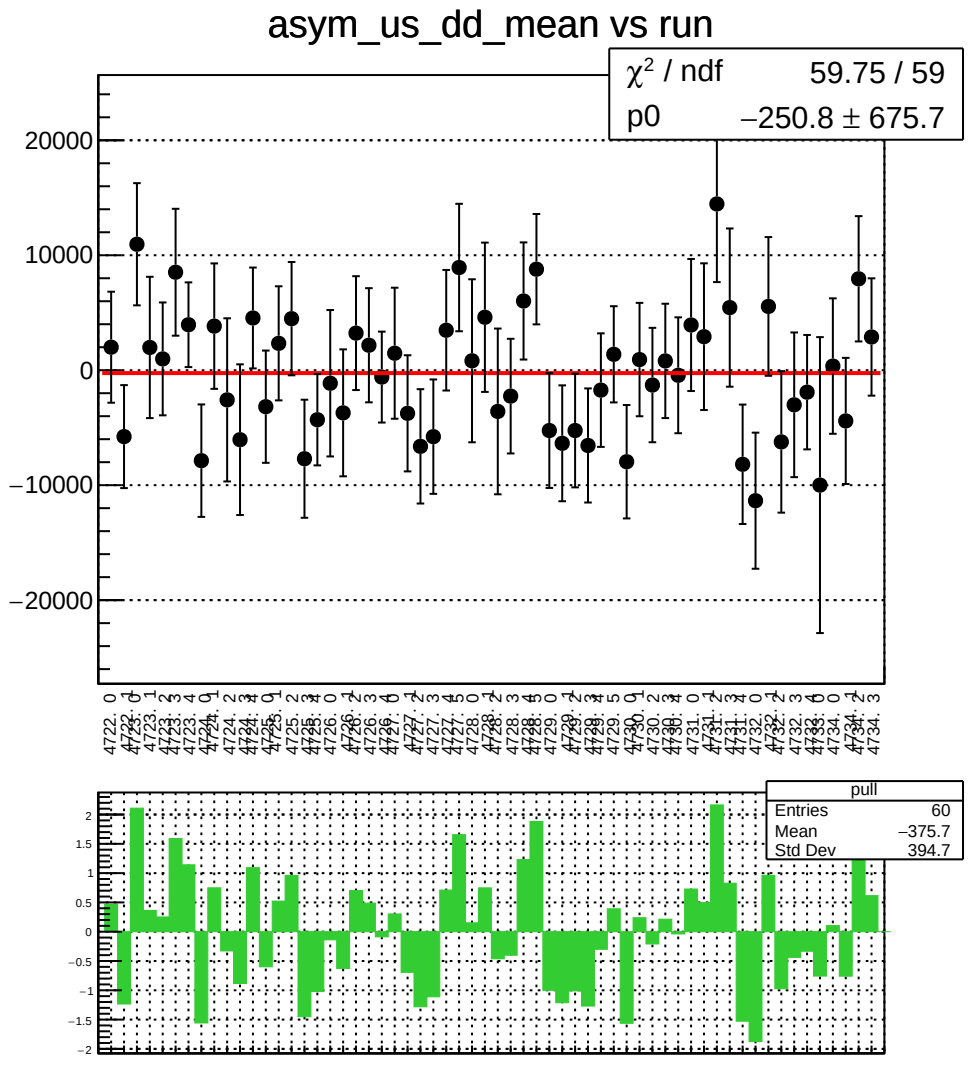

pull1D
Entries 60
Mean 0.02017
Std Dev 0.9058

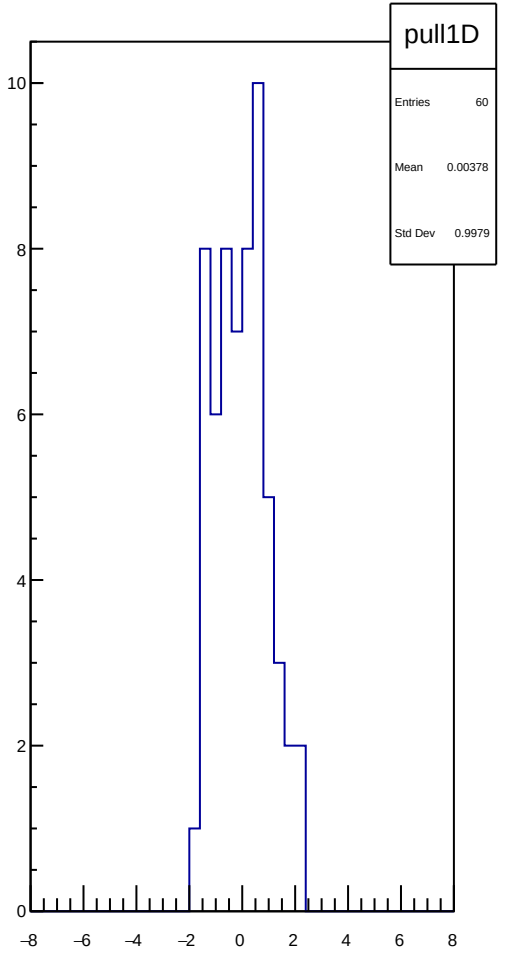

reg_asym_us_dd_rms vs run
χ^2 / ndf 43.95 / 59
p0 92.66 ± 0.08669
95
94
93
92
91
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

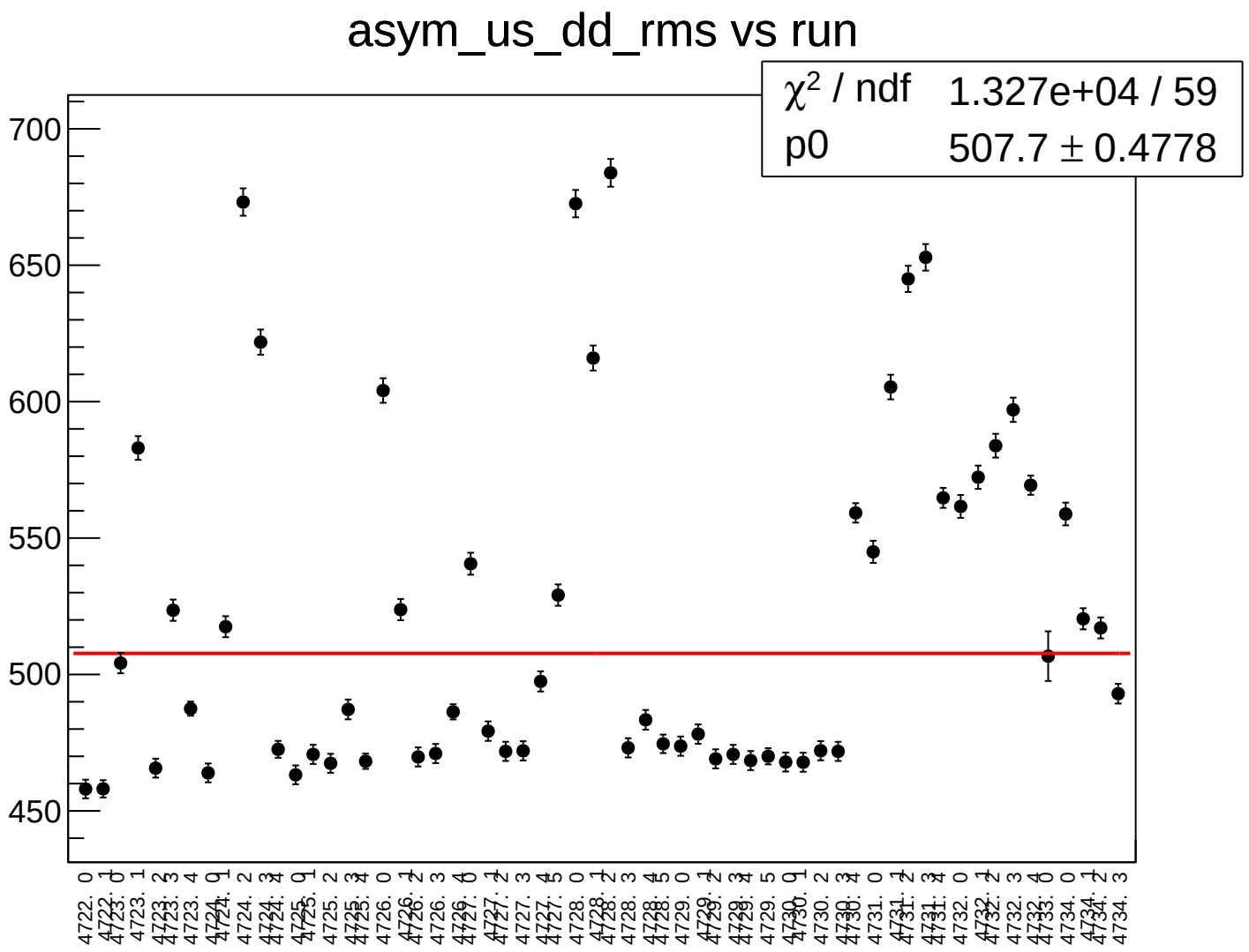

asym_us_dd_correction_mean vs run
χ² / ndf 57.63 / 59
p0 −48.63 ± 664
pull
Entries 60
Mean 1343
Std Dev 1320

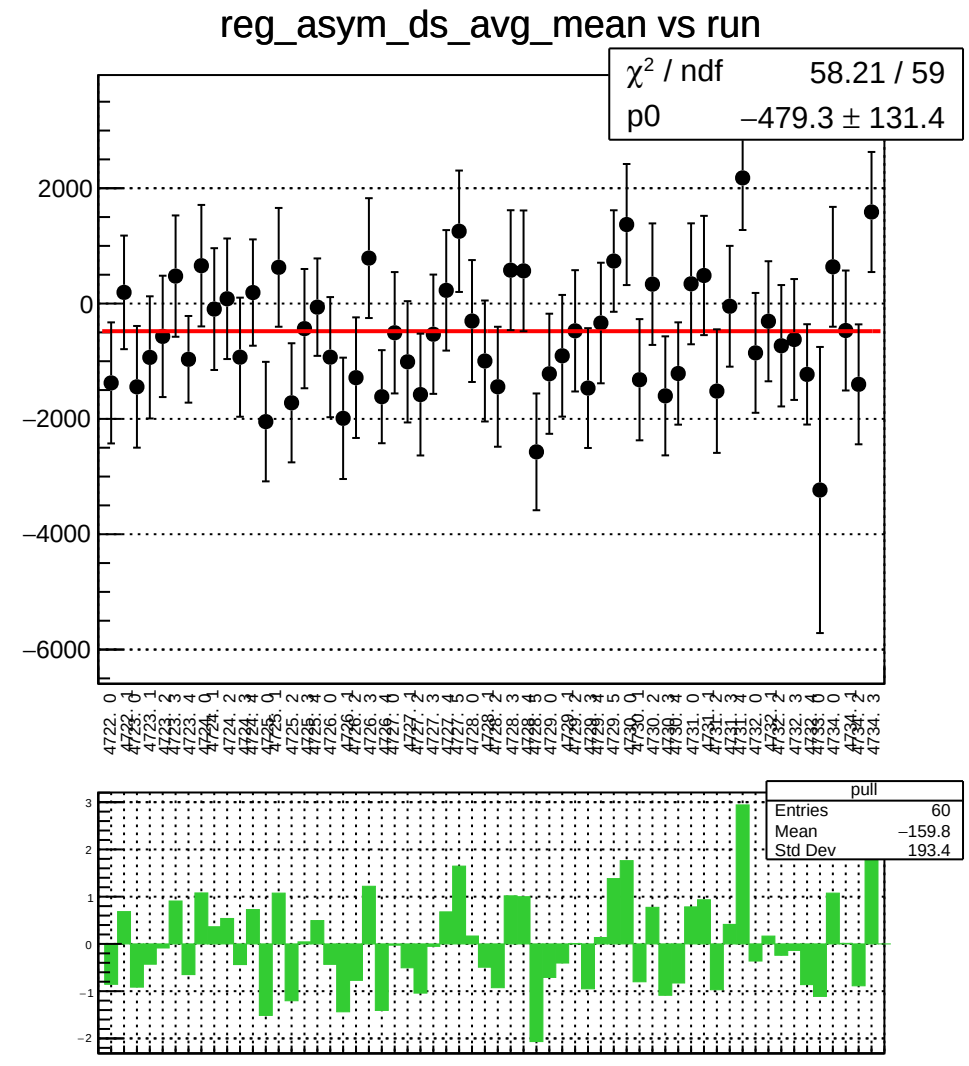

pull1D
Entries 60
Mean 0.001586
Std Dev 0.98

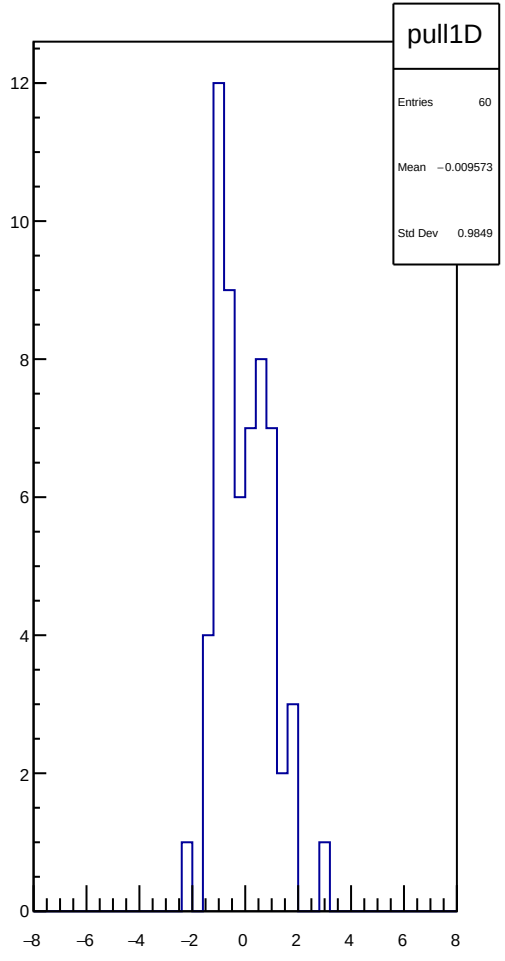

asym_us_dd_correction_rms vs run
χ² / ndf 1.404e+04 / 59
p0 498.8 ± 0.4695
700
650
600
550
500
450

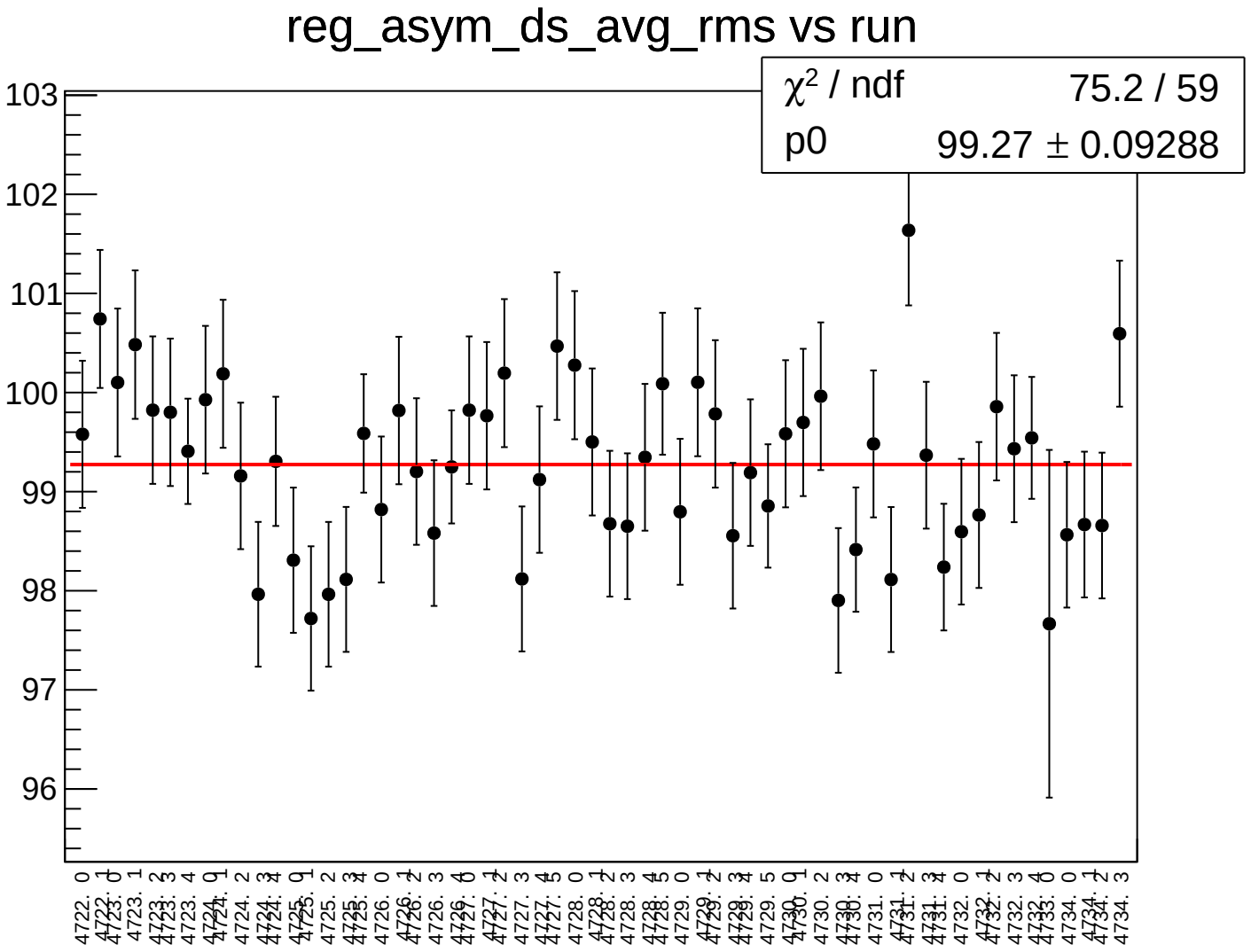

asym_us_dd_mean vs run
χ² / ndf 59.75 / 59
p0 −250.8 ± 675.7
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −375.7
Std Dev 394.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

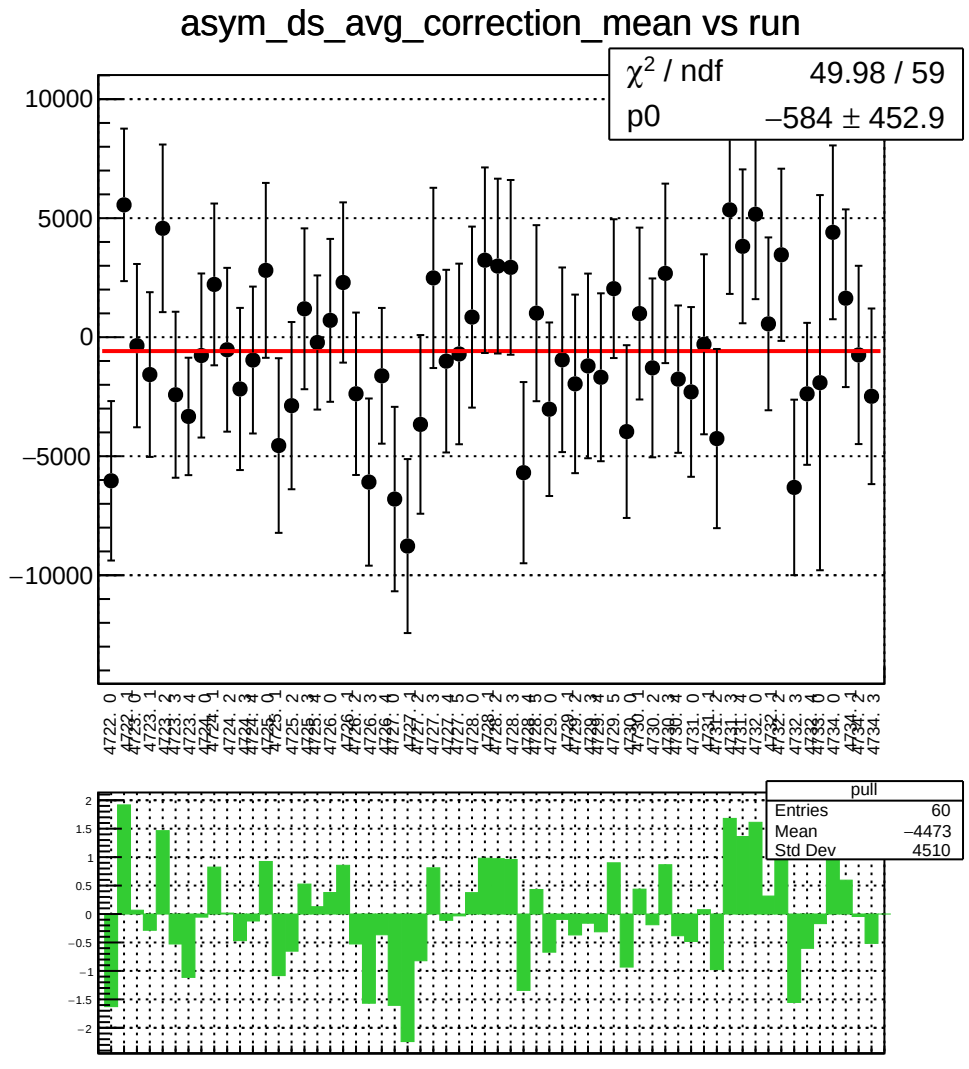

pull1D
Entries 60
Mean 0.00378
Std Dev 0.9979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

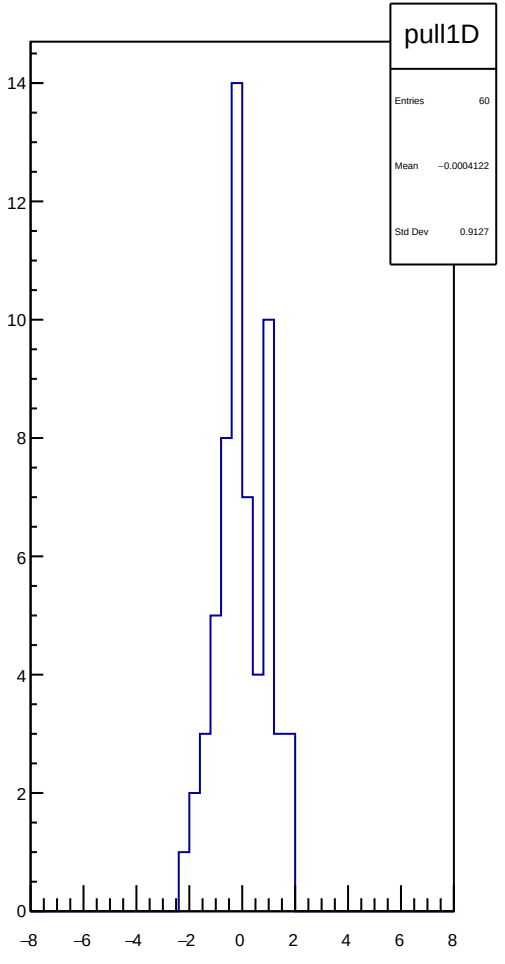

asym_us_dd_rms vs run
χ² / ndf 1.327e+04 / 59
p0 507.7 ± 0.4778
700
650
600
550
500
450
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

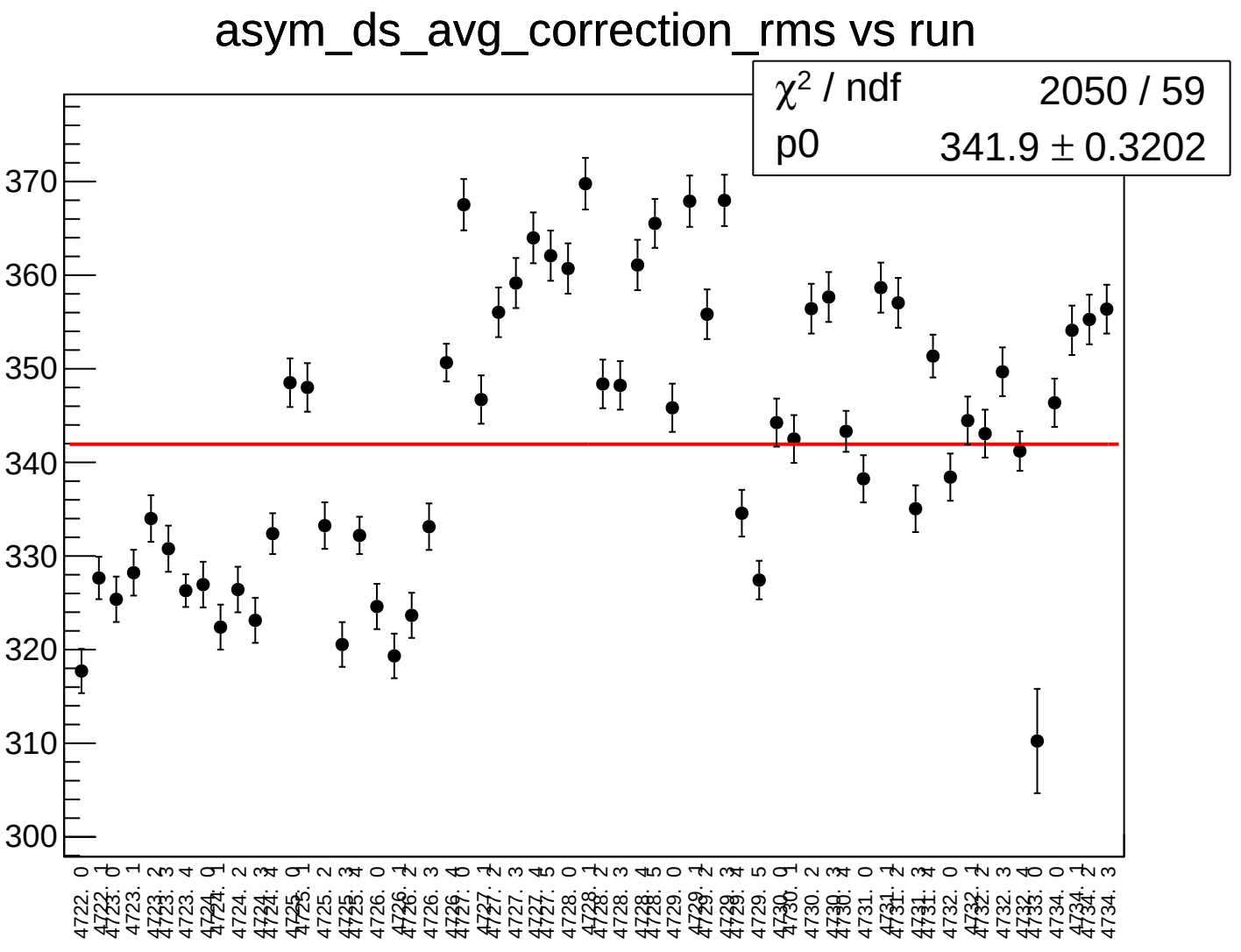

reg_asym_ds_avg_mean vs run
χ² / ndf 58.21 / 59
p0 −479.3 ± 131.4
2000
0
−2000
−4000
−6000
pull
Entries 60
Mean −159.8
Std Dev 193.4
3
2
1
0
−1
−2

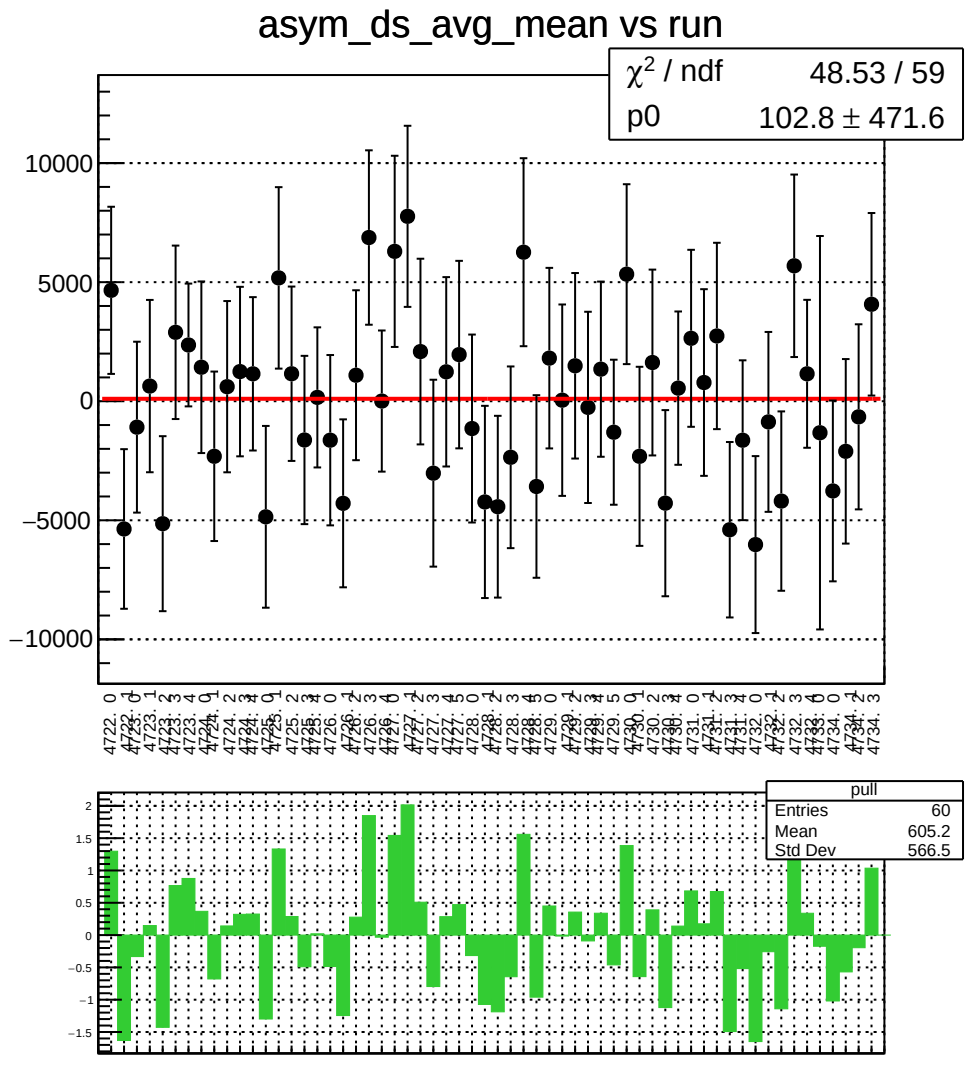

pull1D
Entries 60
Mean −0.009573
Std Dev 0.9849
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

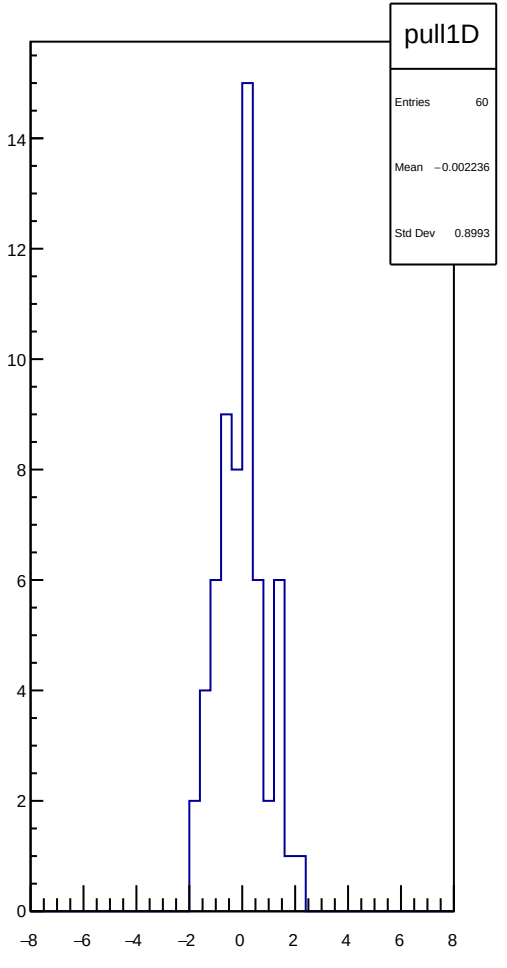

reg_asym_ds_avg_rms vs run
χ^2 / ndf 75.2 / 59
p0 99.27 ± 0.09288
103
102
101
100
99
98
97
96
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

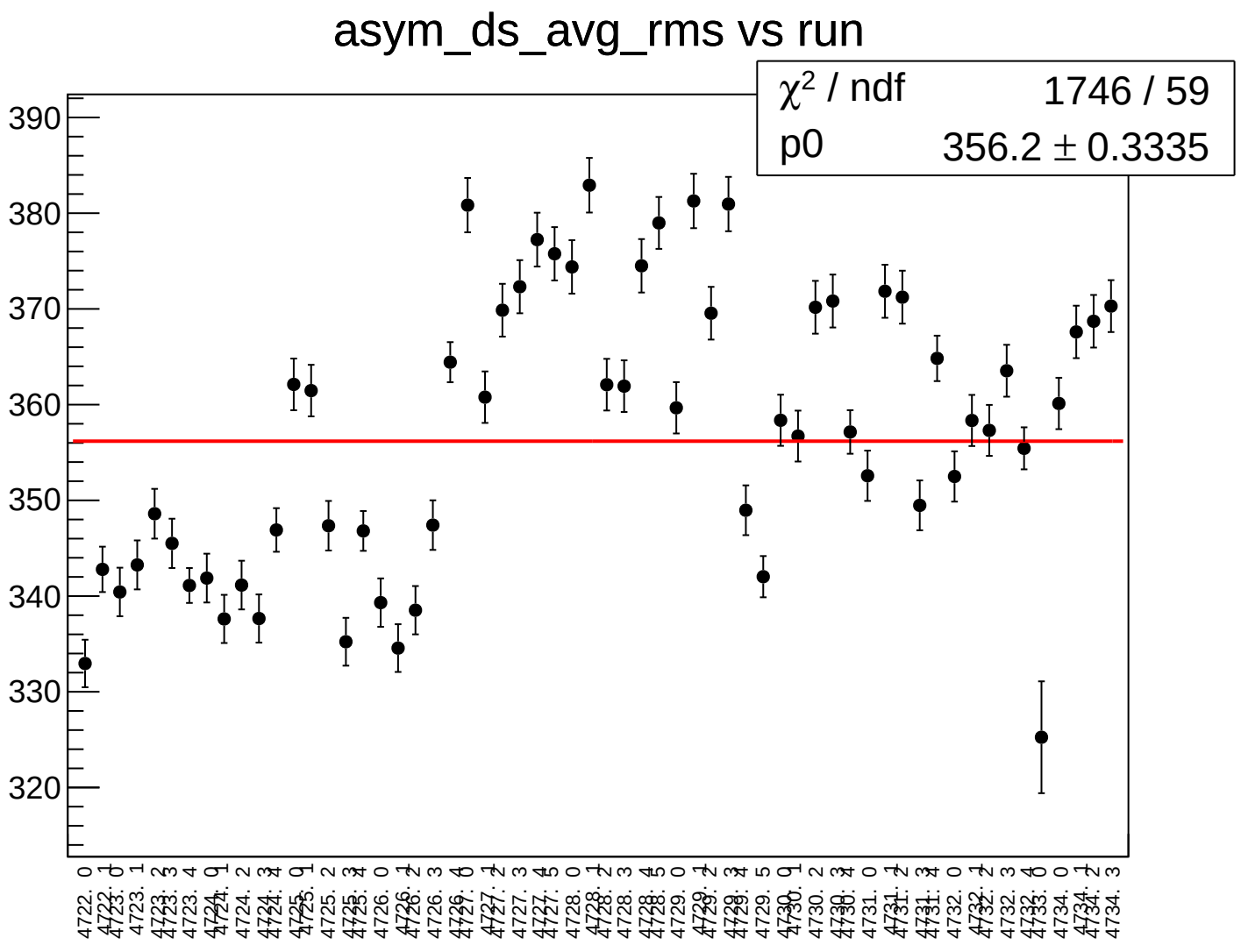

asym_ds_avg_correction_mean vs run
χ² / ndf 49.98 / 59
p0 −584 ± 452.9
10000
5000
0
−5000
−10000
pull
Entries 60
Mean −4473
Std Dev 4510
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

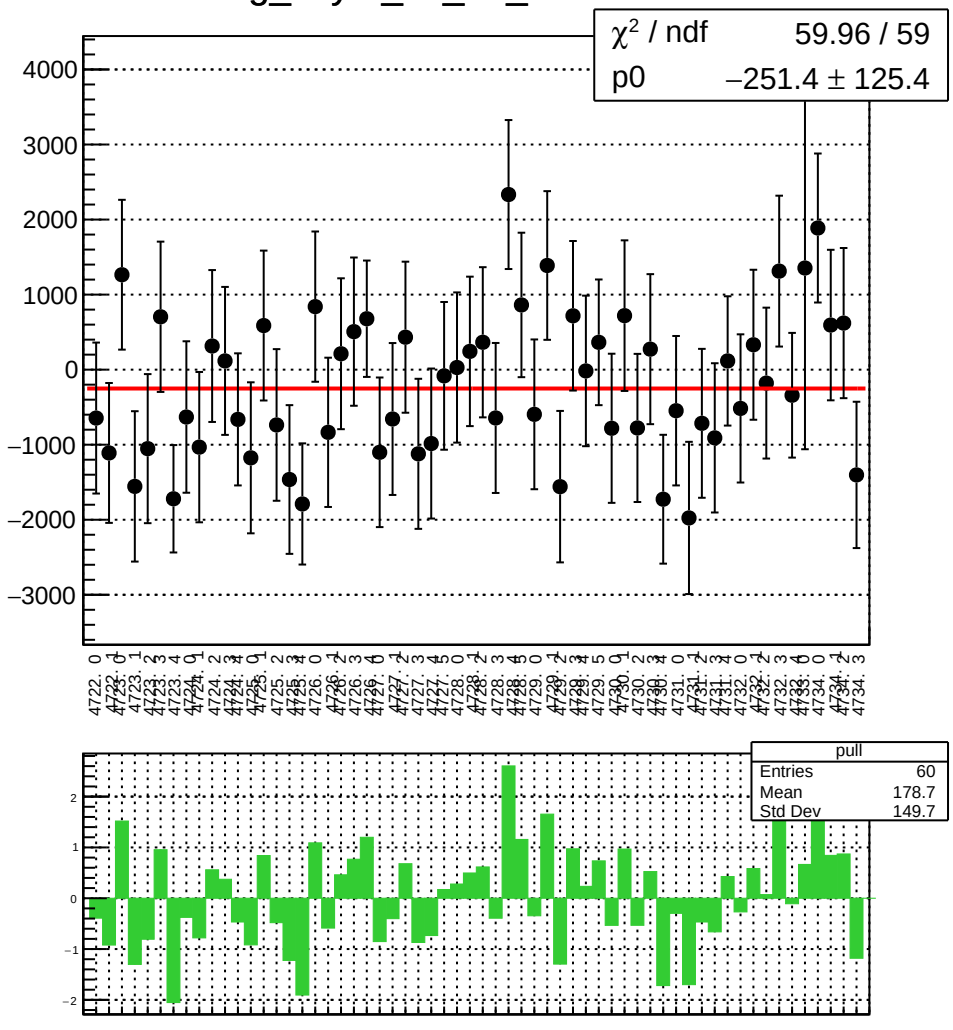

pull1D
Entries 60
Mean −0.0004122
Std Dev 0.9127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

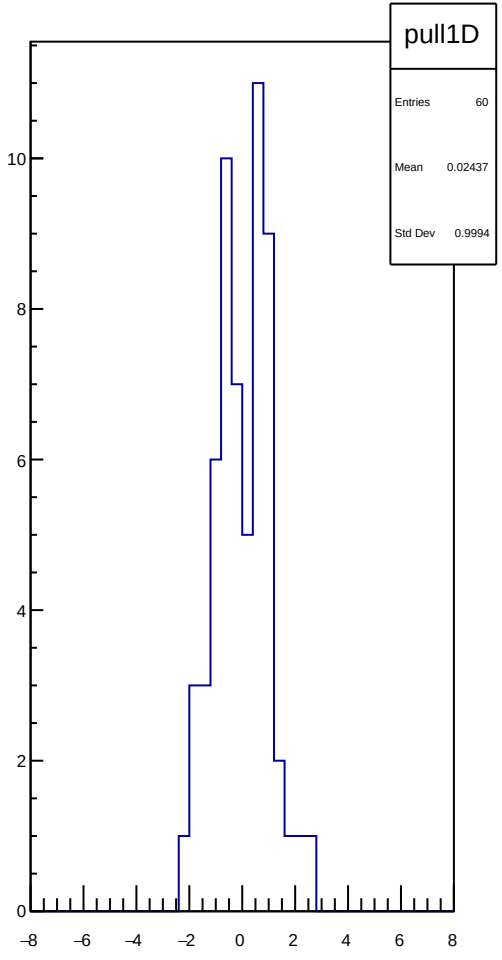

asym_ds_avg_correction_rms vs run
χ² / ndf 2050 / 59
p0 341.9 ± 0.3202
370
360
350
340
330
320
310
300
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

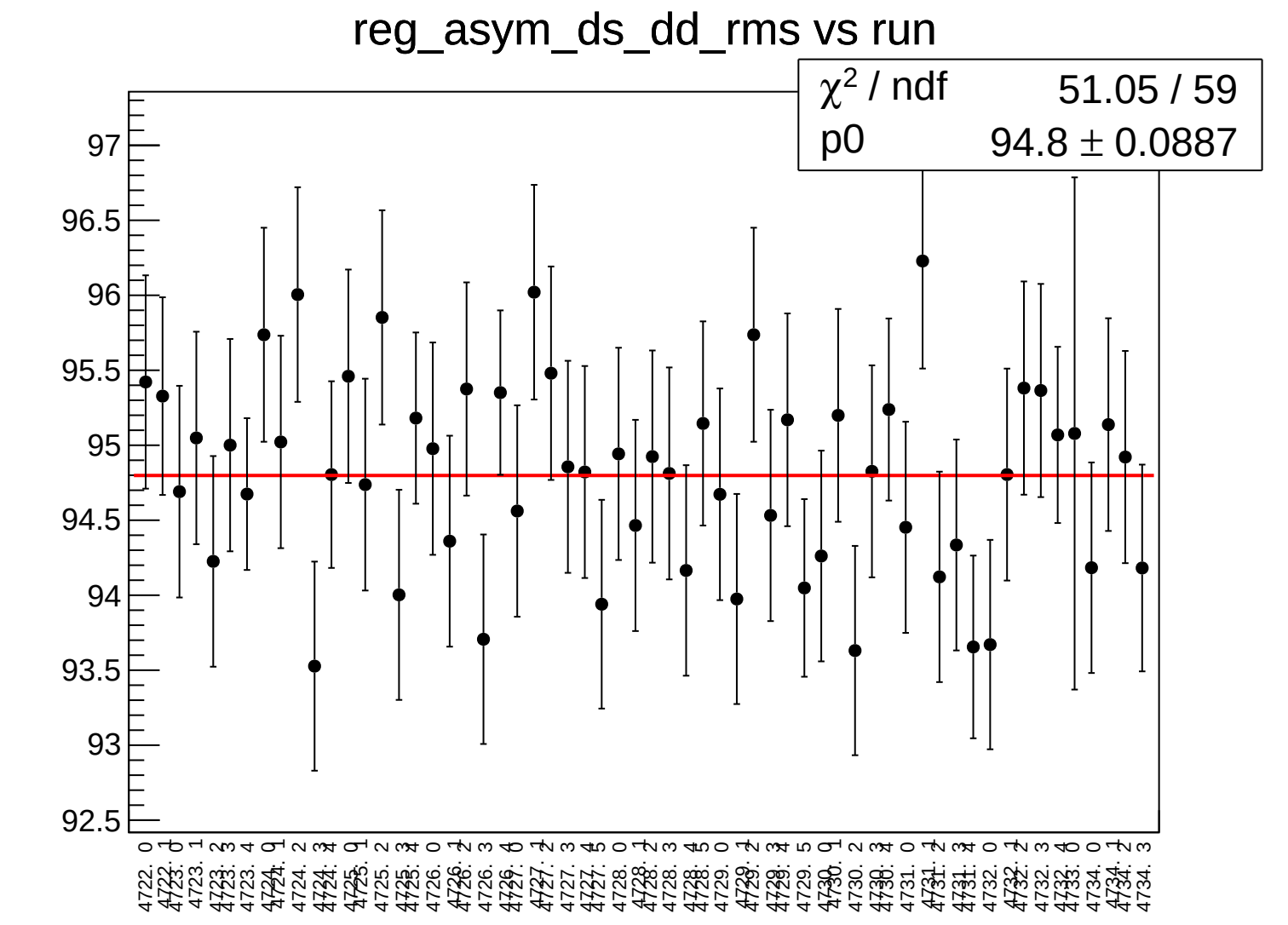

asym_ds_avg_mean vs run
χ² / ndf 48.53 / 59
p0 102.8 ± 471.6
10000
5000
0
−5000
−10000
pull
Entries 60
Mean 605.2
Std Dev 566.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

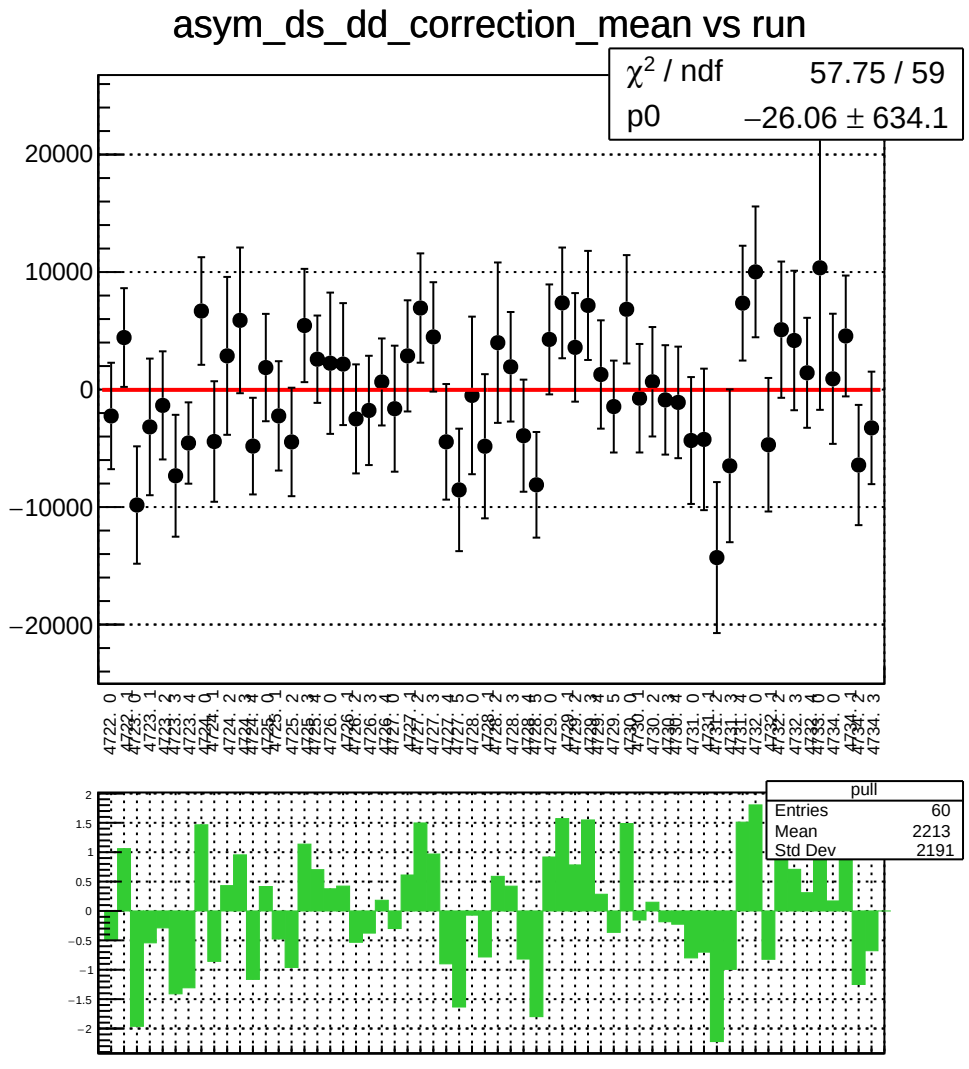

pull1D
Entries 60
Mean −0.002236
Std Dev 0.8993
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

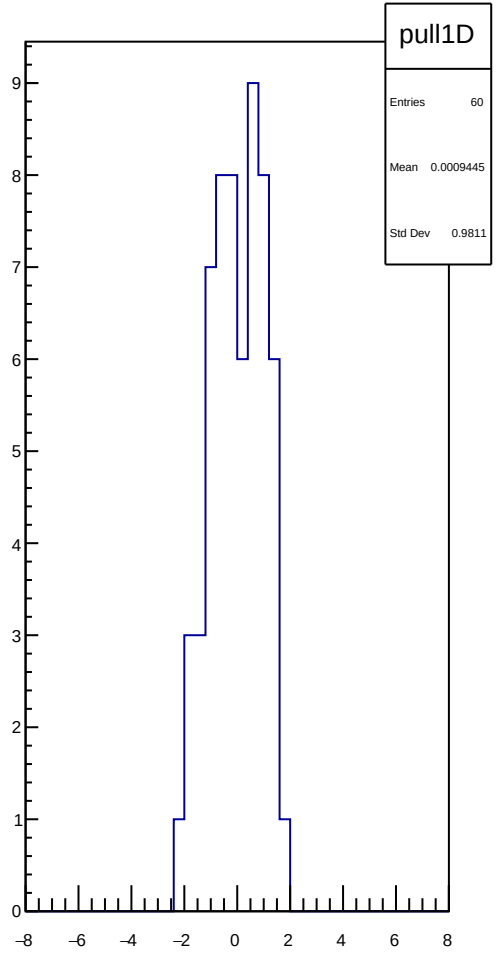

asym_ds_avg_rms vs run
χ² / ndf 1746 / 59
p0 356.2 ± 0.3335
390
380
370
360
350
340
330
320
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

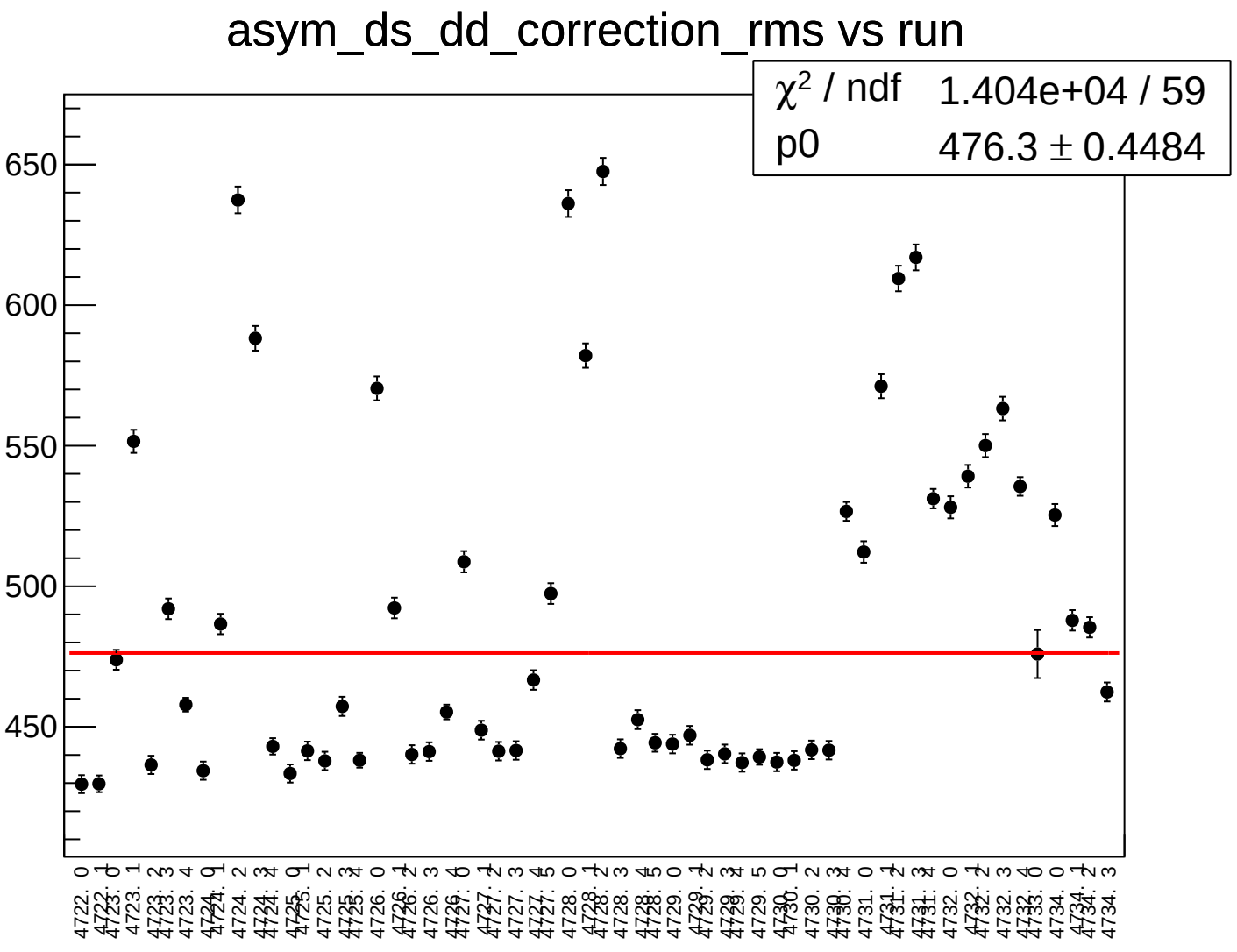

reg_asym_ds_dd_mean vs run
χ² / ndf 59.96 / 59
p0 −251.4 ± 125.4
pull
Entries 60
Mean 178.7
Std Dev 149.7

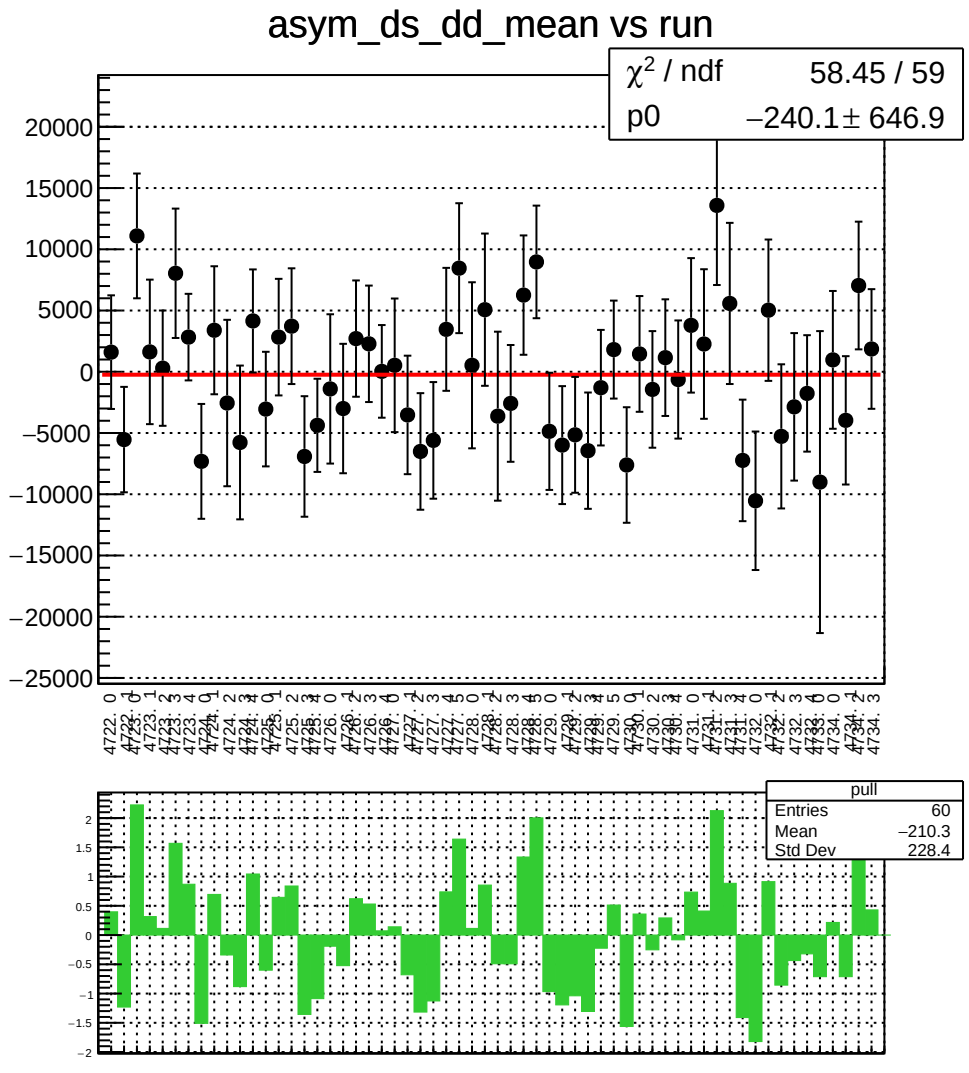

pull1D
Entries 60
Mean 0.02437
Std Dev 0.9994

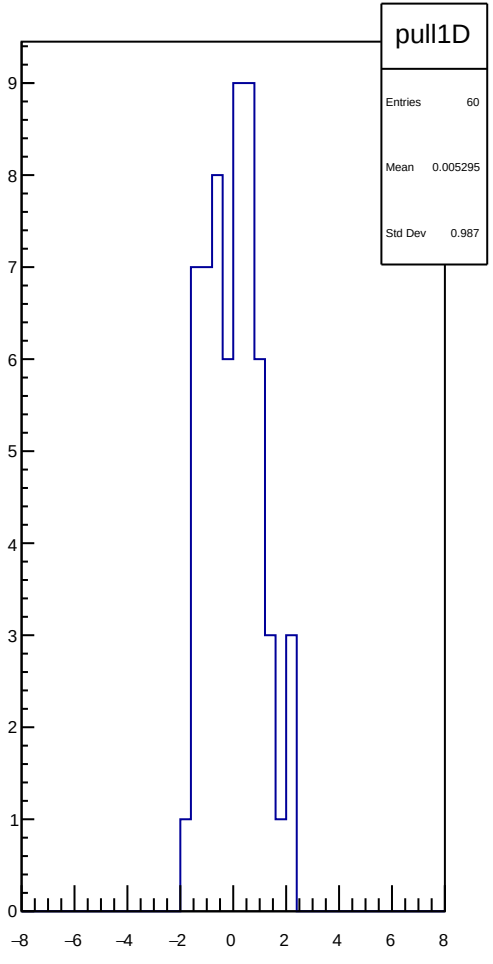

reg_asym_ds_dd_rms vs run
χ² / ndf 51.05 / 59
p0 94.8 ± 0.0887
97
96.5
96
95.5
95
94.5
94
93.5
93
92.5

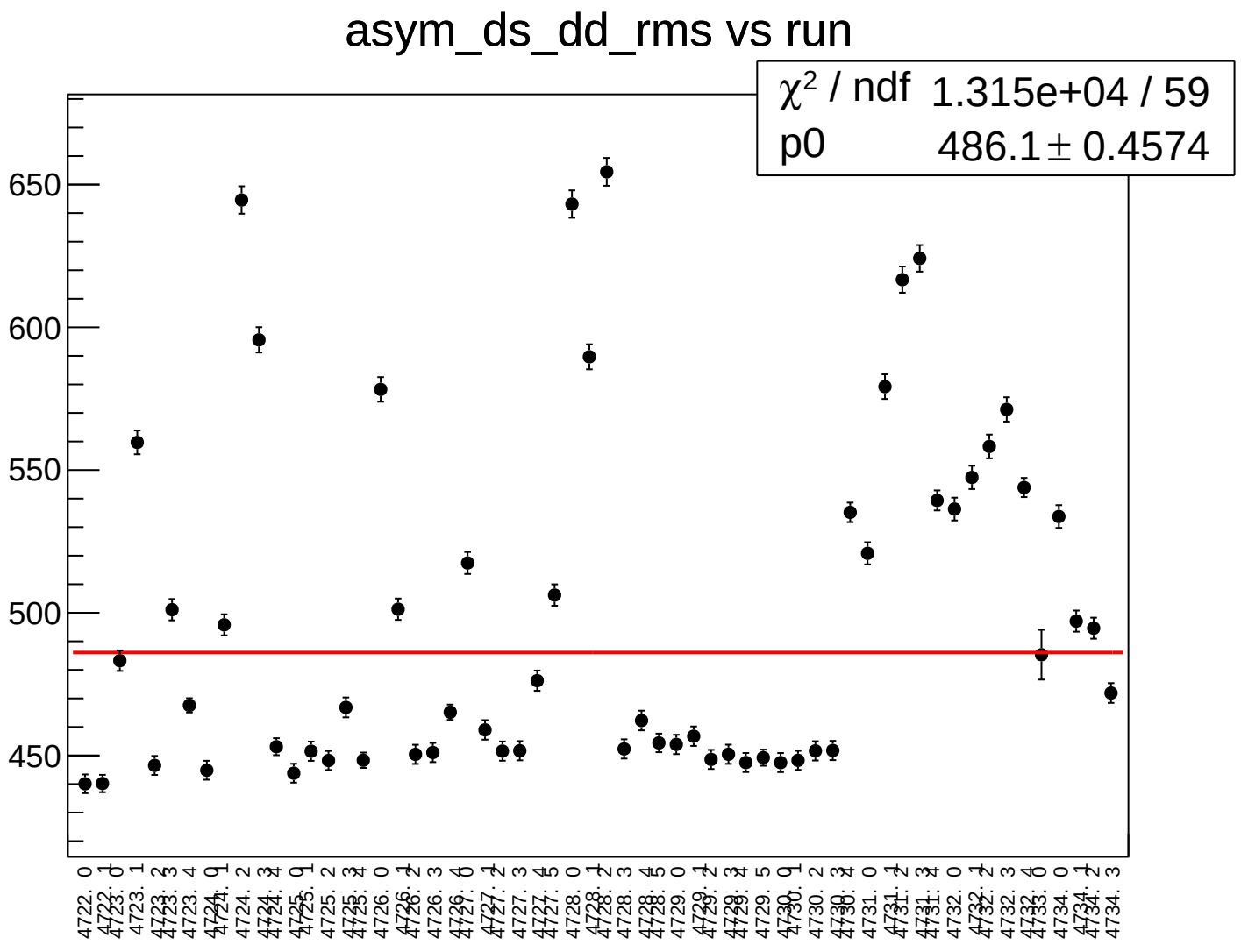

asym_ds_dd_correction_mean vs run
χ² / ndf 57.75 / 59
p0 −26.06 ± 634.1
pull
Entries 60
Mean 2213
Std Dev 2191

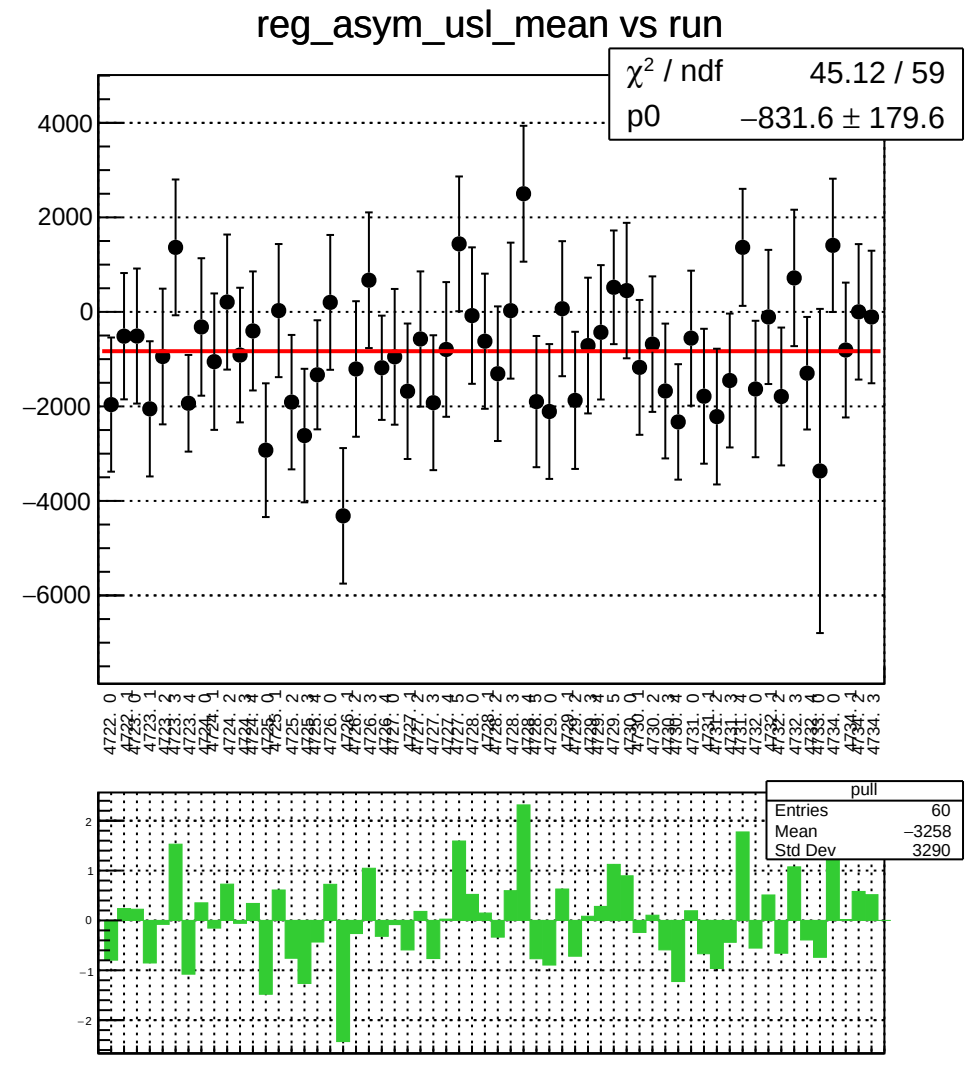

pull1D
Entries 60
Mean 0.0009445
Std Dev 0.9811

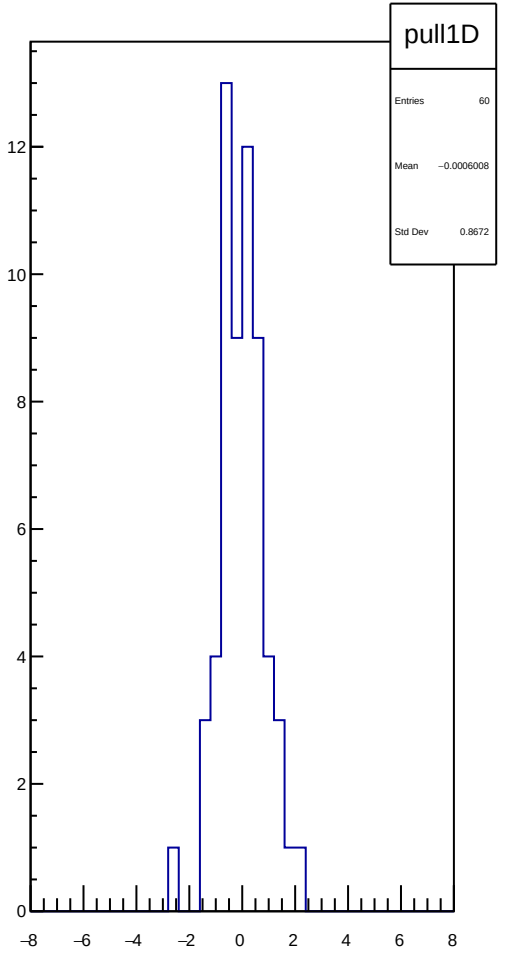

asym_ds_dd_correction_rms vs run
χ² / ndf 1.404e+04 / 59
p0 476.3 ± 0.4484
650
600
550
500
450

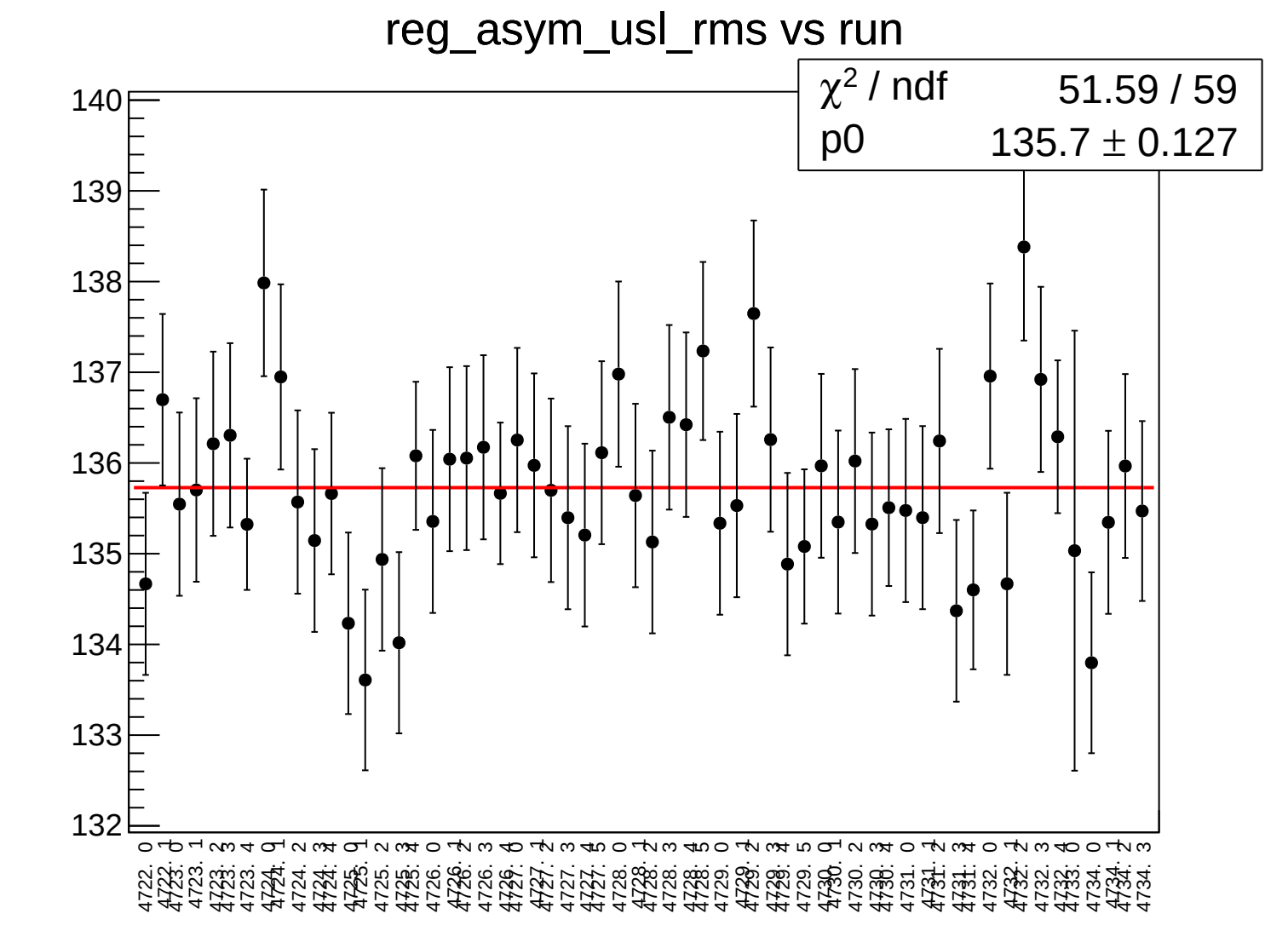

asym_ds_dd_mean vs run
χ^2 / ndf 58.45 / 59
p0 −240.1± 646.9
pull
Entries 60
Mean −210.3
Std Dev 228.4

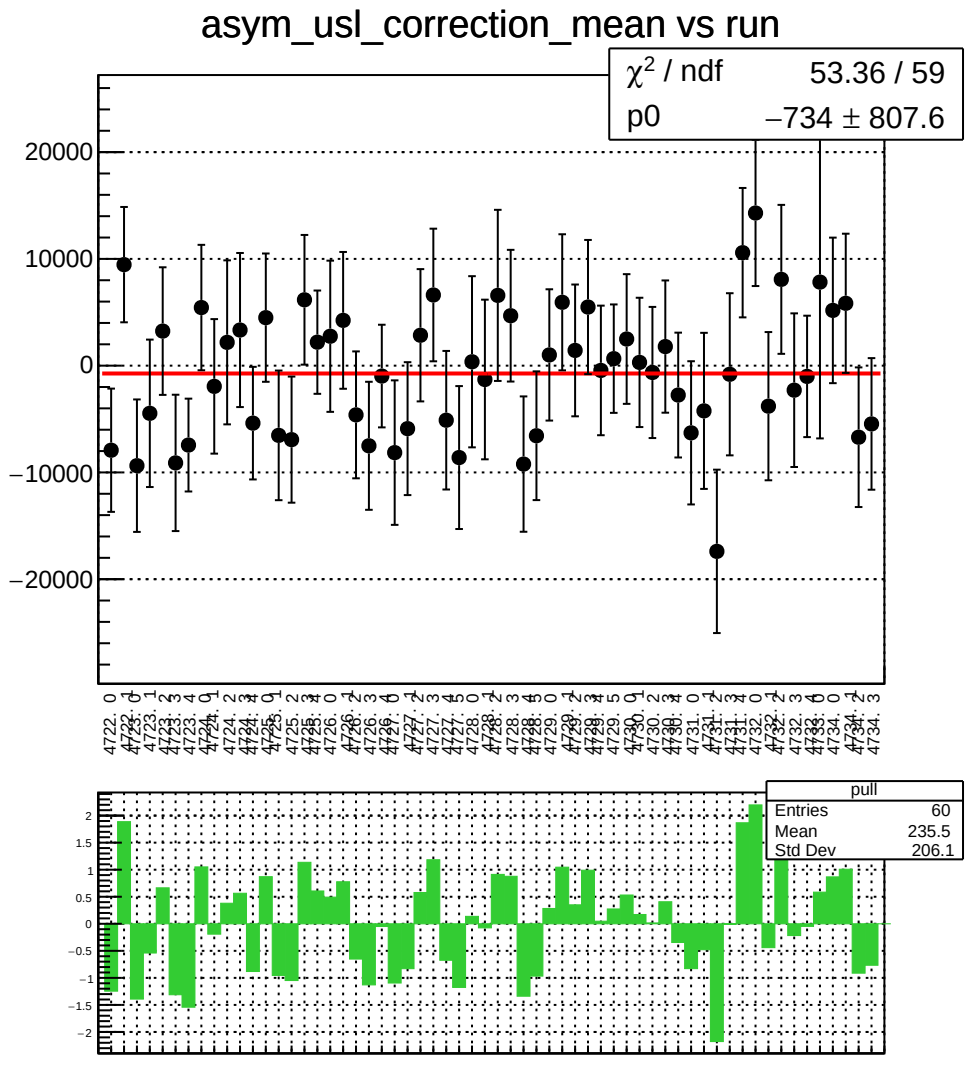

pull1D
Entries 60
Mean 0.005295
Std Dev 0.987

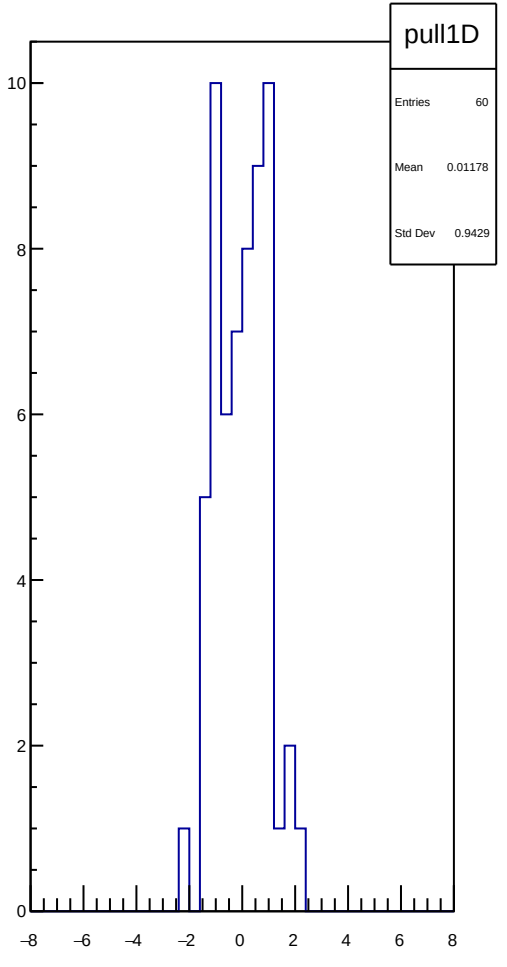

asym_ds_dd_rms vs run
χ² / ndf 1.315e+04 / 59
p0 486.1 ± 0.4574
650
600
550
500
450

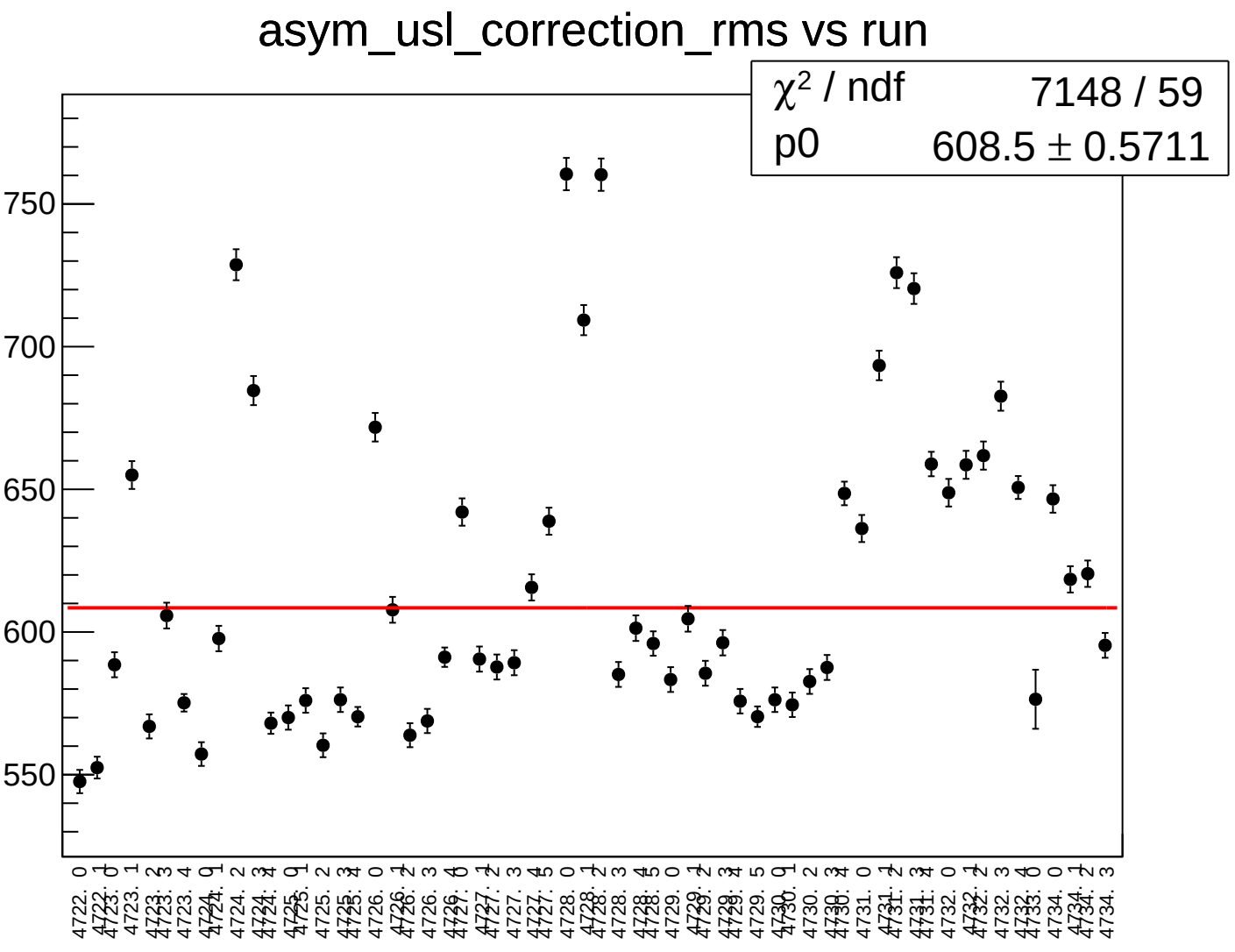

reg_asym_usl_mean vs run
χ² / ndf 45.12 / 59
p0 −831.6 ± 179.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 60
Mean −3258
Std Dev 3290
2
1
0
−1
−2

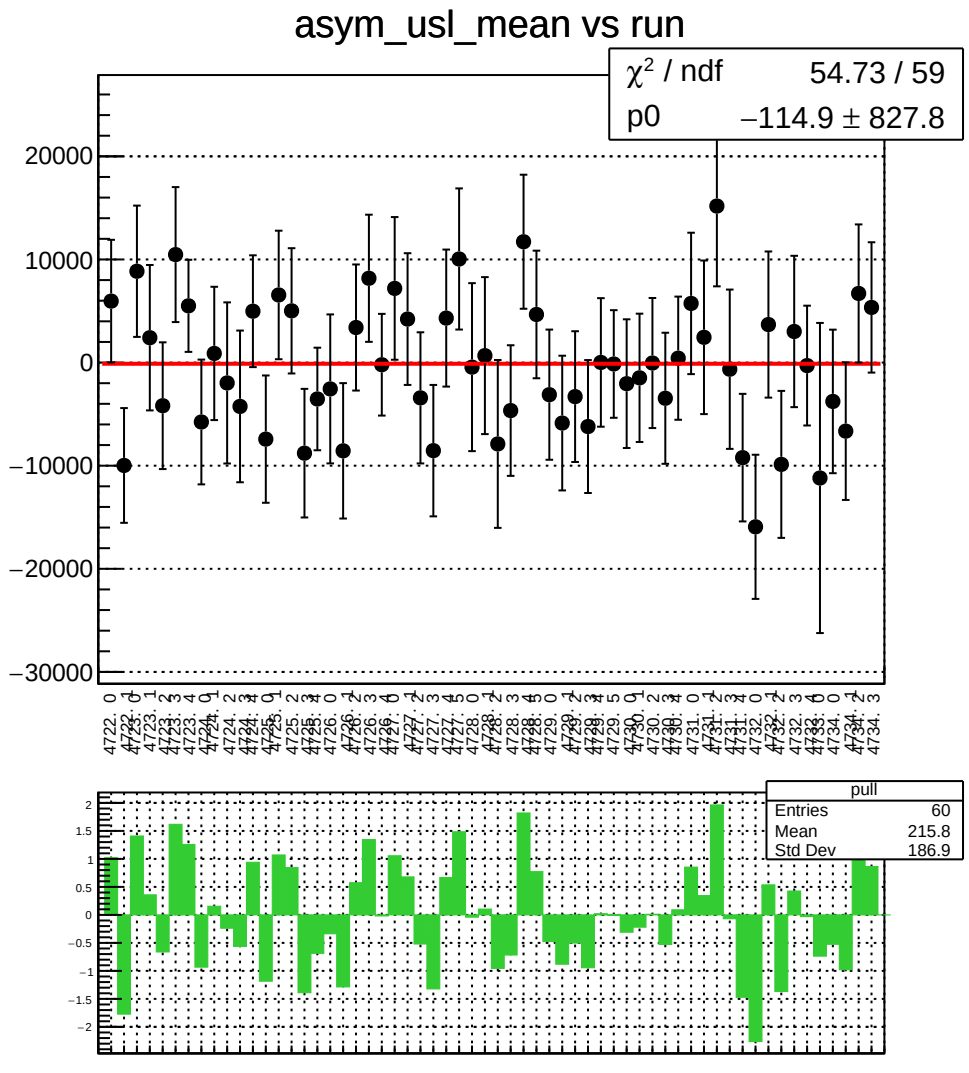

pull1D
Entries 60
Mean −0.0006008
Std Dev 0.8672
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

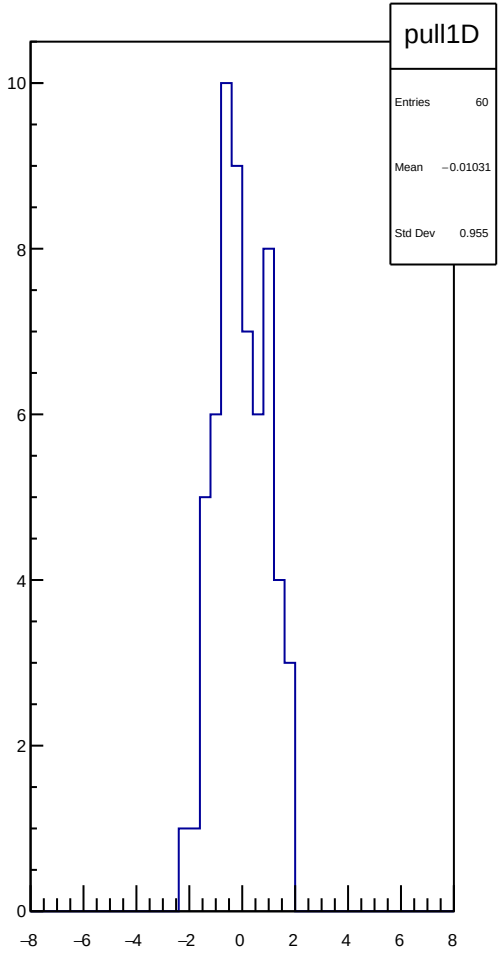

reg_asym_usl_rms vs run
χ^2 / ndf 51.59 / 59
p0 135.7 ± 0.127
140
139
138
137
136
135
134
133
132
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

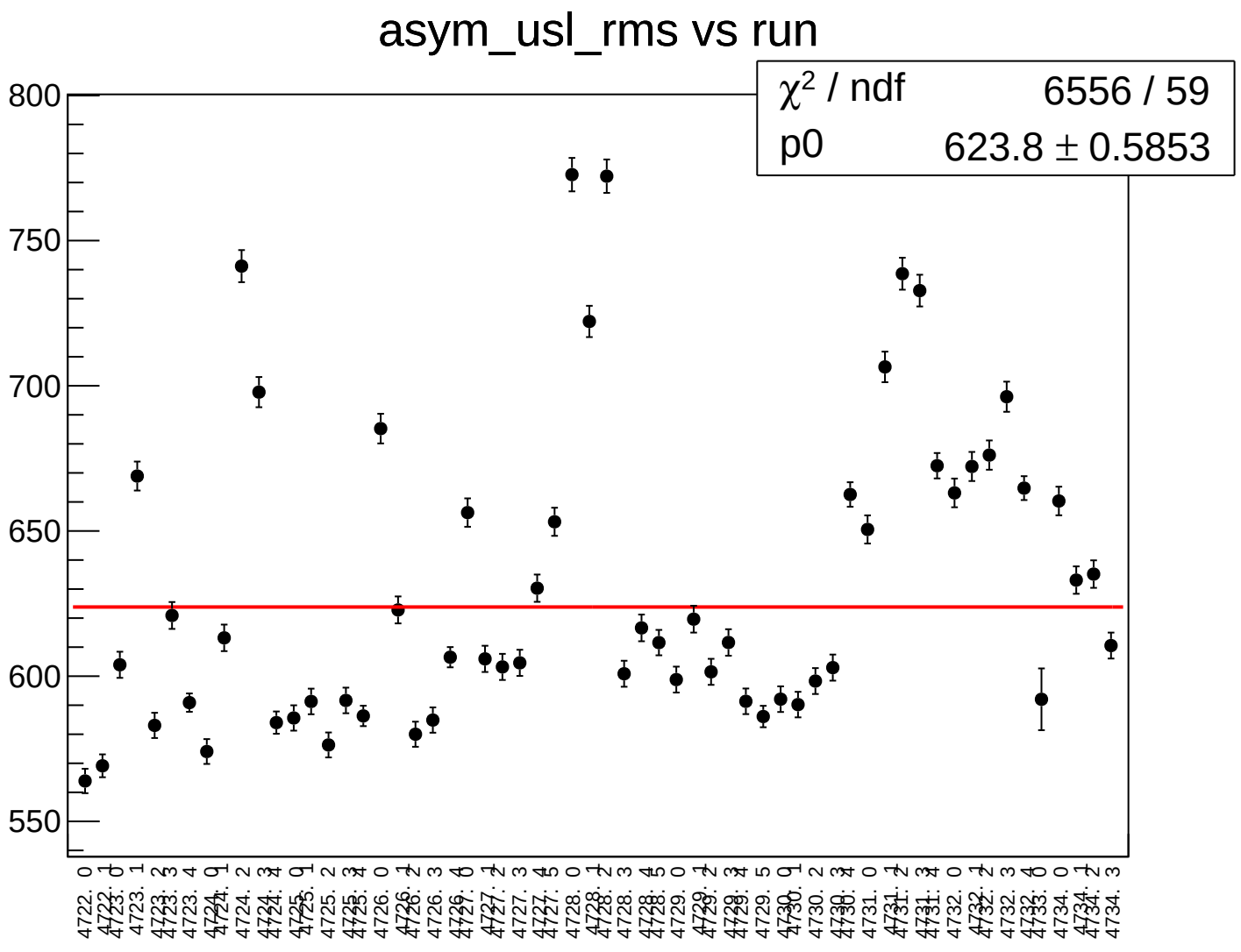

asym_usl_correction_mean vs run
χ² / ndf 53.36 / 59
p0 −734 ± 807.6
20000
10000
0
−10000
−20000
pull
Entries 60
Mean 235.5
Std Dev 206.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

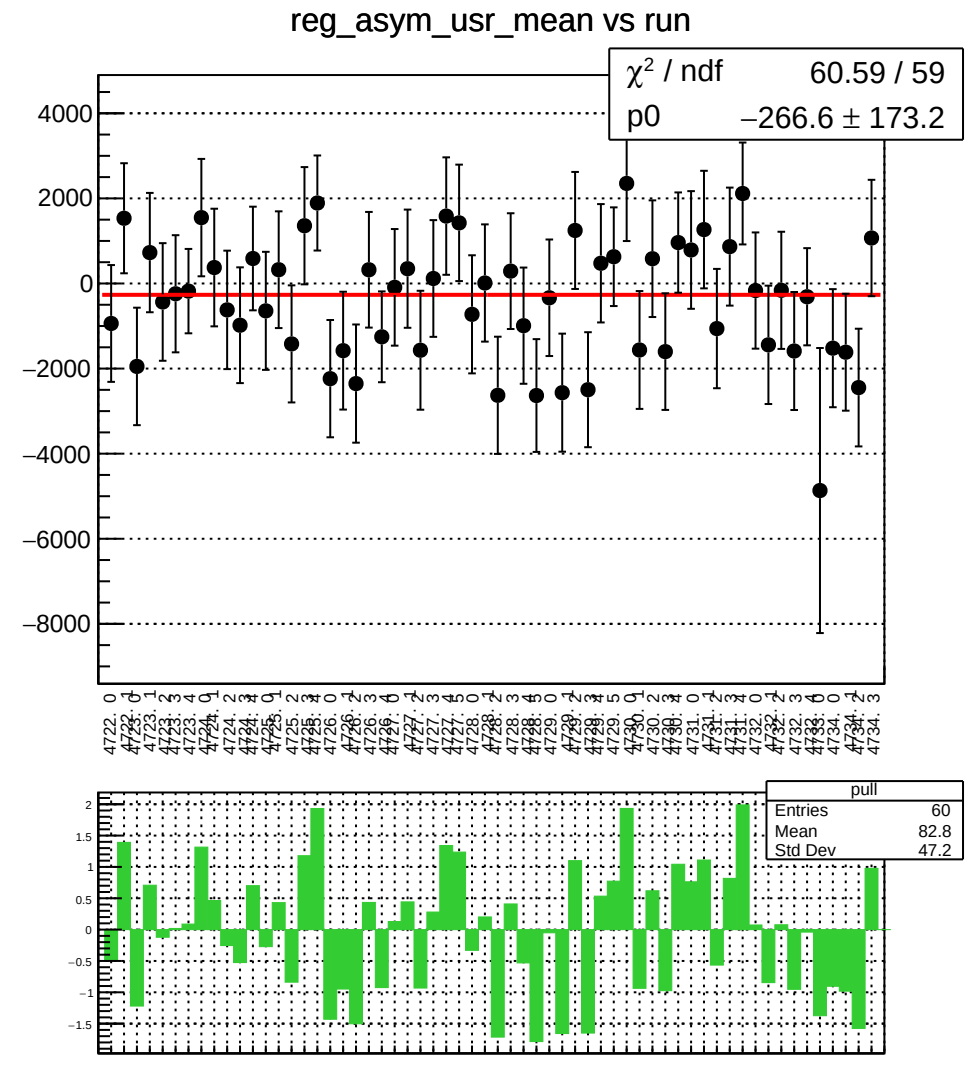

pull1D
Entries 60
Mean 0.01178
Std Dev 0.9429
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

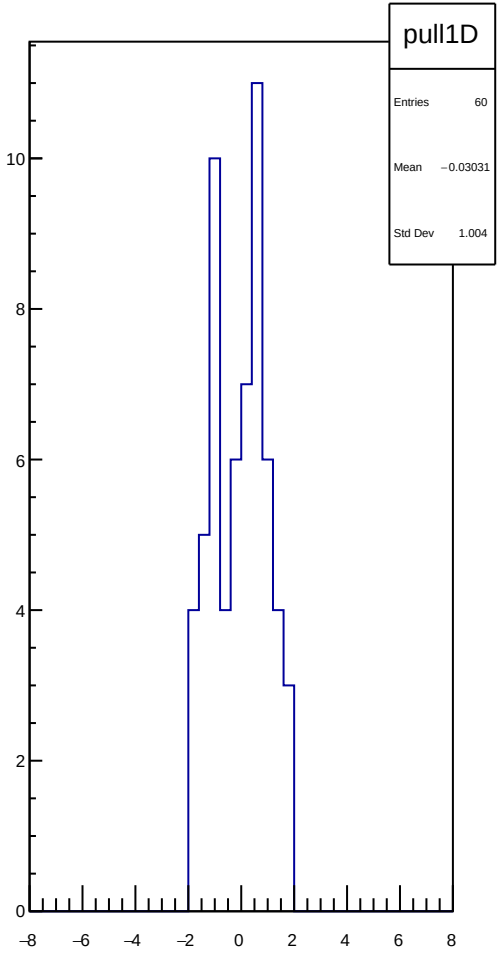

asym_usl_correction_rms vs run
χ² / ndf 7148 / 59
p0 608.5 ± 0.5711
750
700
650
600
550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

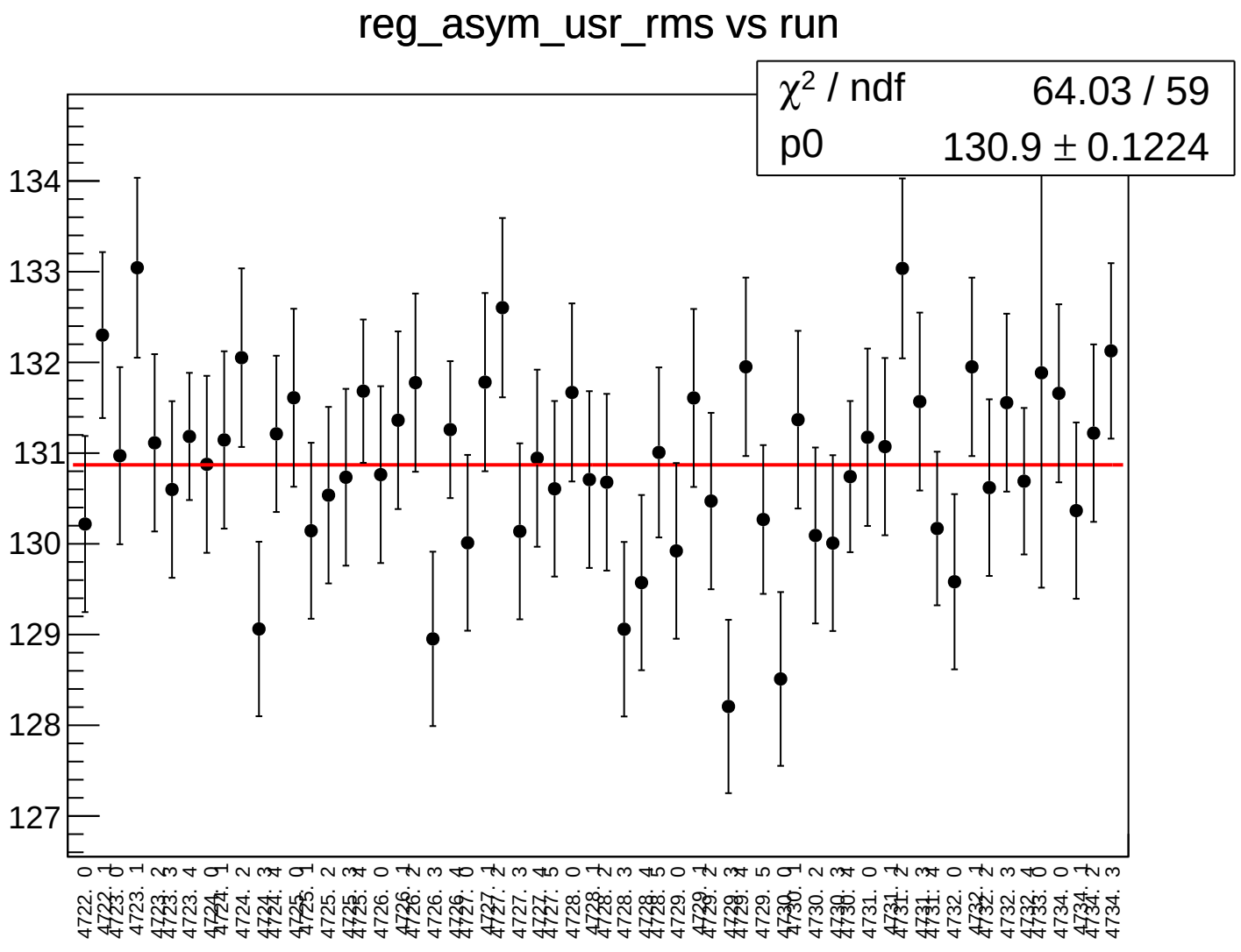

asym_usl_mean vs run
χ² / ndf 54.73 / 59
p0 −114.9 ± 827.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 215.8
Std Dev 186.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

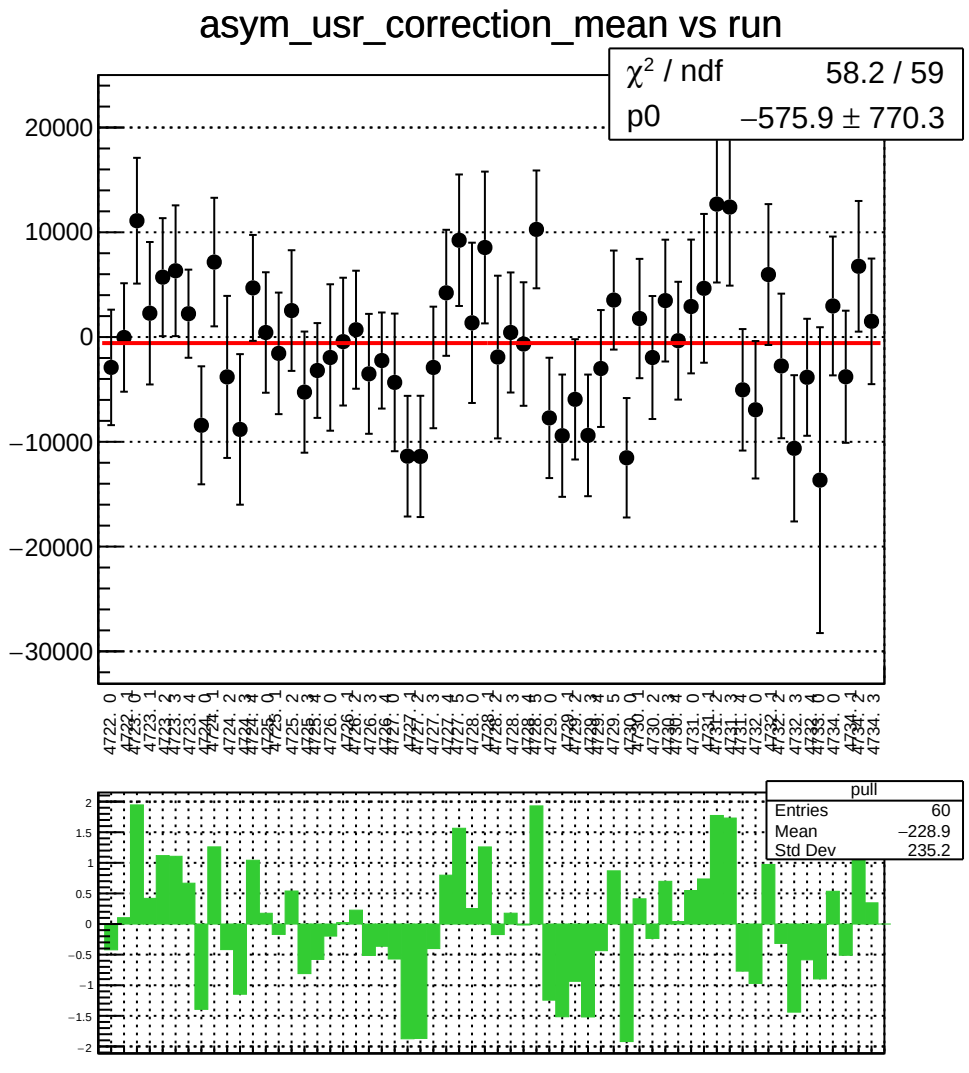

pull1D
Entries 60
Mean −0.01031
Std Dev 0.955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

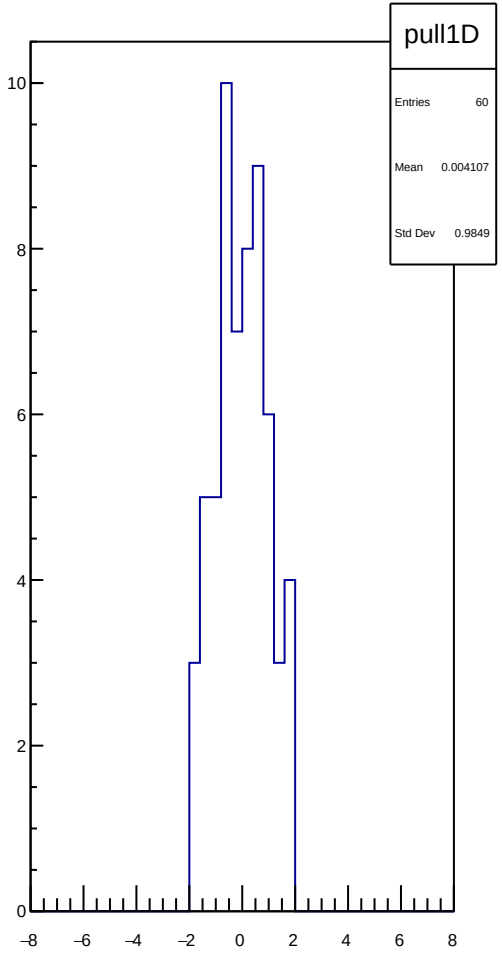

asym_usl_rms vs run
χ² / ndf 6556 / 59
p0 623.8 ± 0.5853
800
750
700
650
600
550

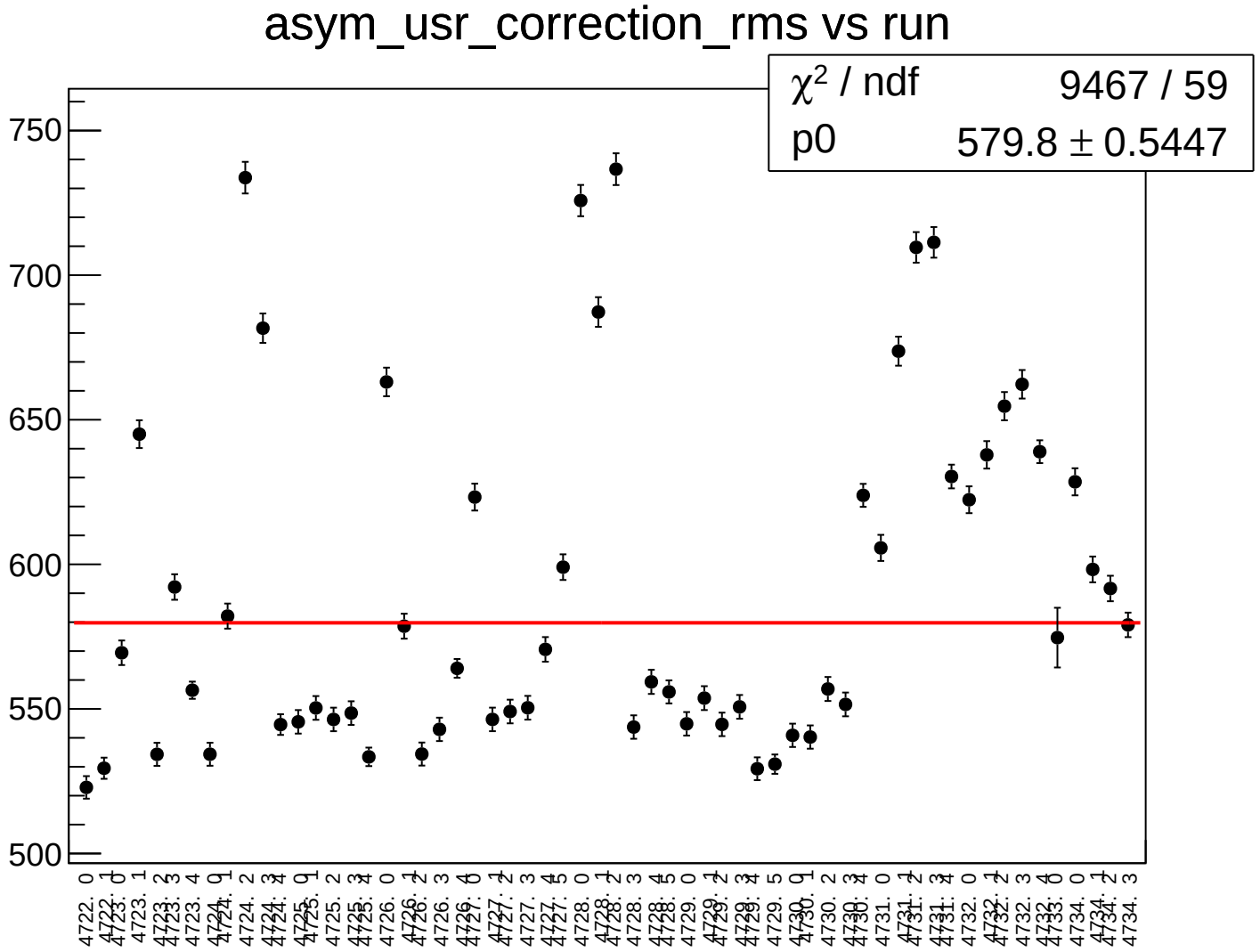

reg_asym_usr_mean vs run
χ² / ndf 60.59 / 59
p0 −266.6 ± 173.2
pull
Entries 60
Mean 82.8
Std Dev 47.2

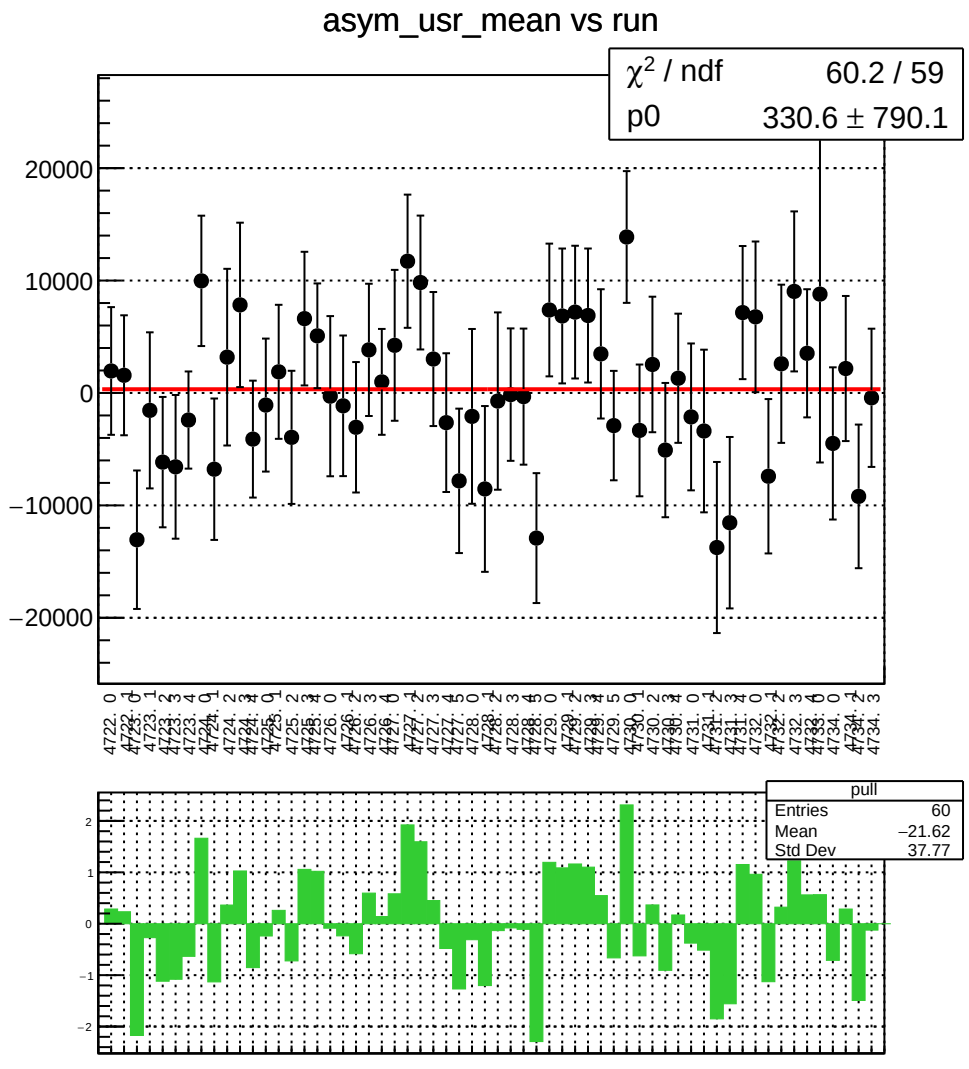

pull1D
Entries 60
Mean −0.03031
Std Dev 1.004

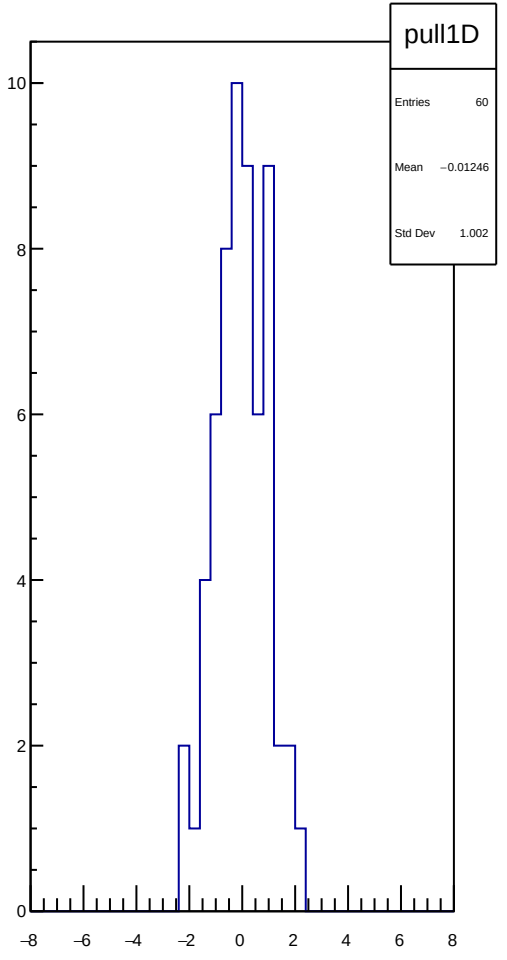

reg_asym_usr_rms vs run
χ² / ndf 64.03 / 59
p0 130.9 ± 0.1224
134
133
132
131
130
129
128
127

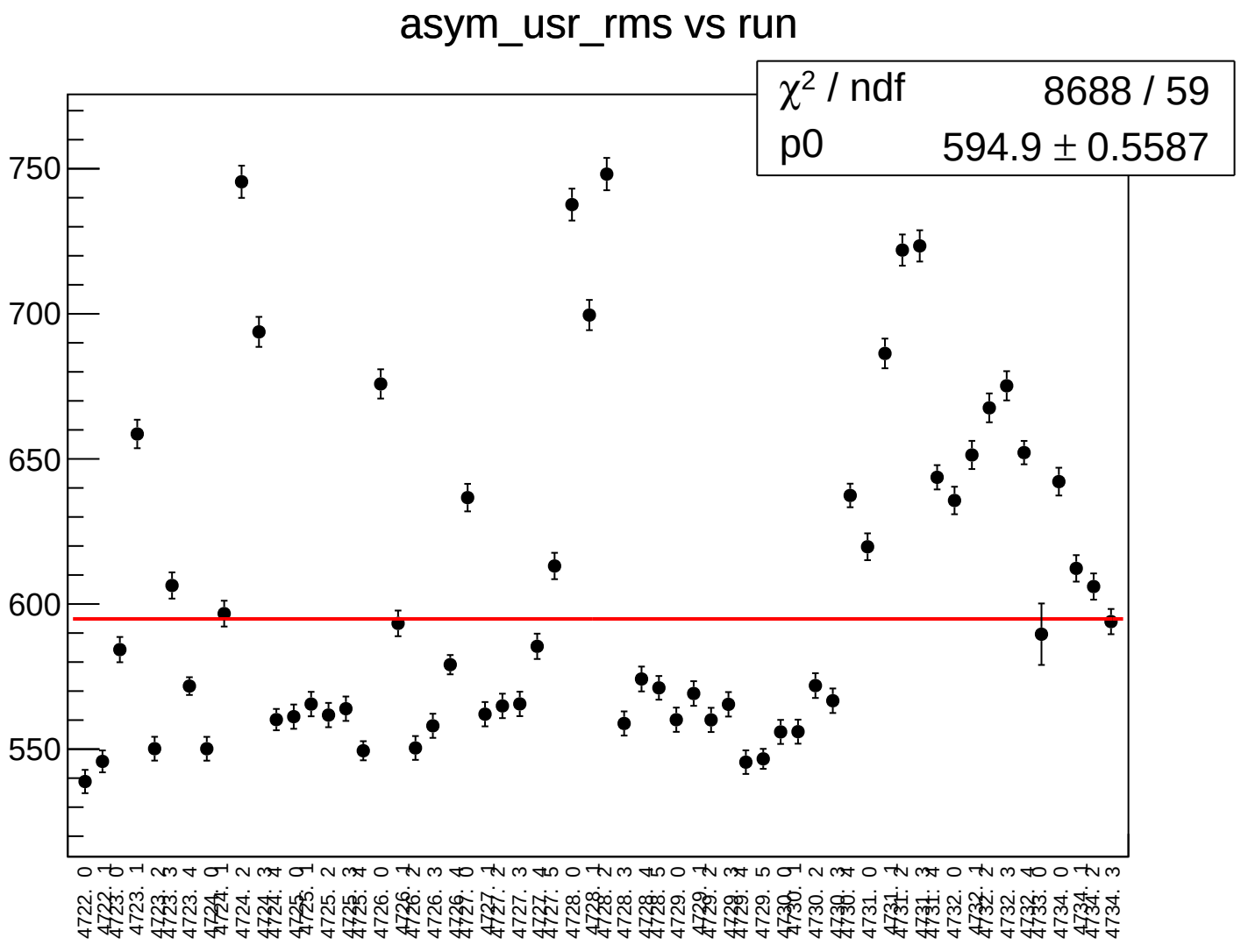

asym_usr_correction_mean vs run
χ² / ndf 58.2 / 59
p0 −575.9 ± 770.3
pull
Entries 60
Mean −228.9
Std Dev 235.2

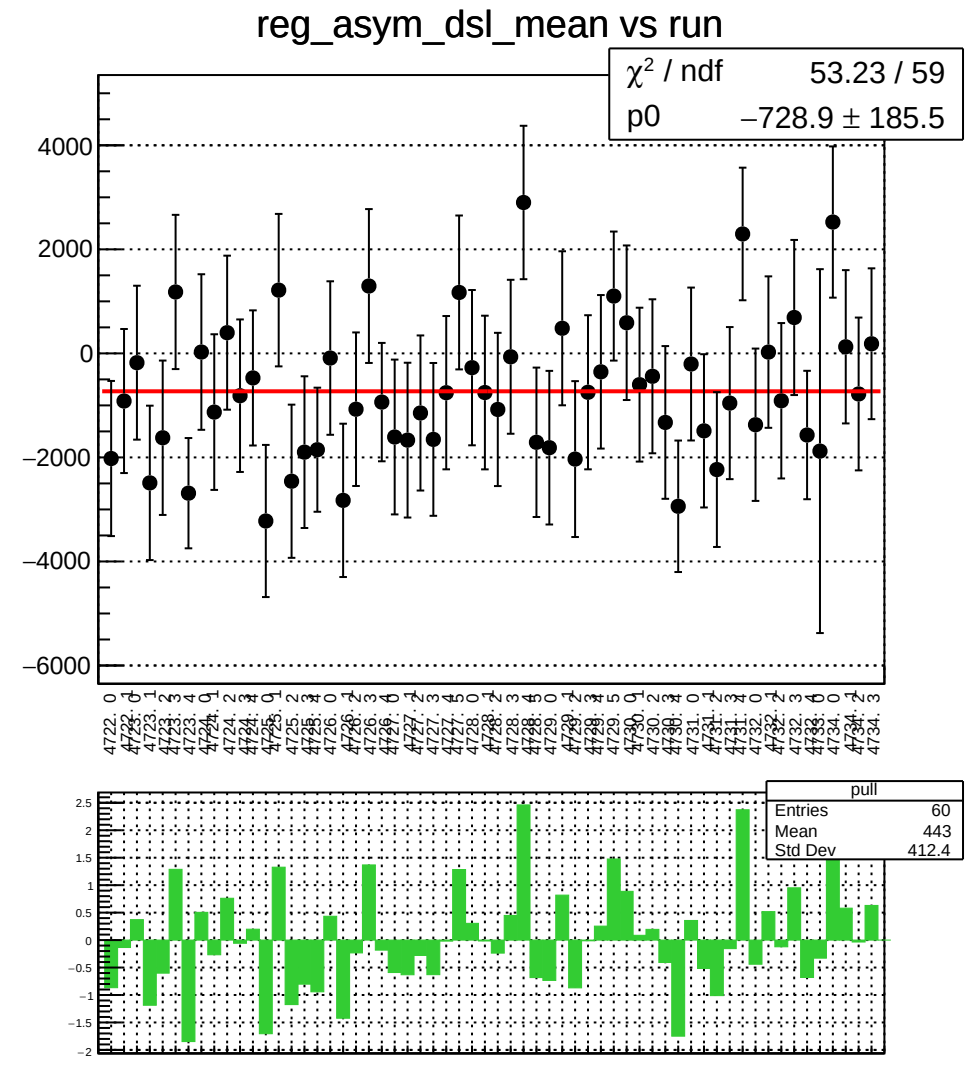

pull1D
Entries 60
Mean 0.004107
Std Dev 0.9849

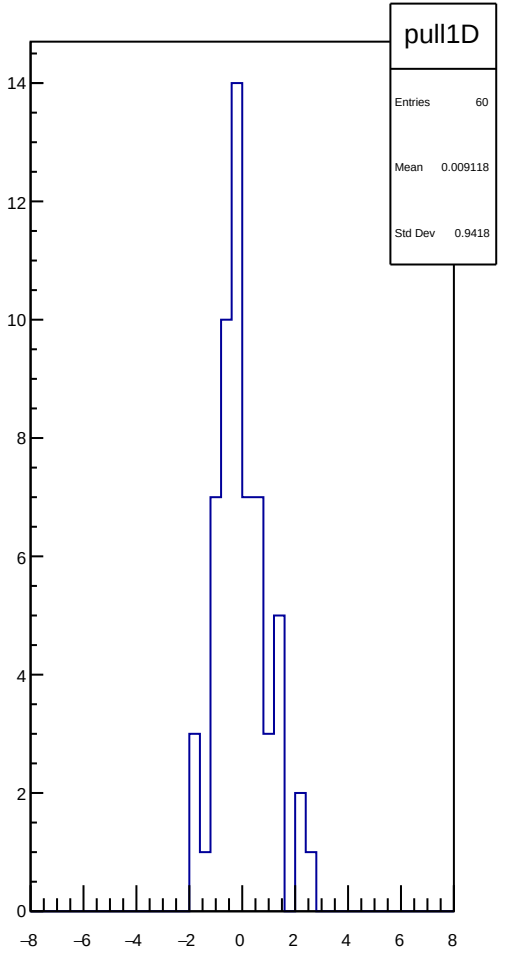

asym_usr_correction_rms vs run
χ² / ndf 9467 / 59
p0 579.8 ± 0.5447
750
700
650
600
550
500

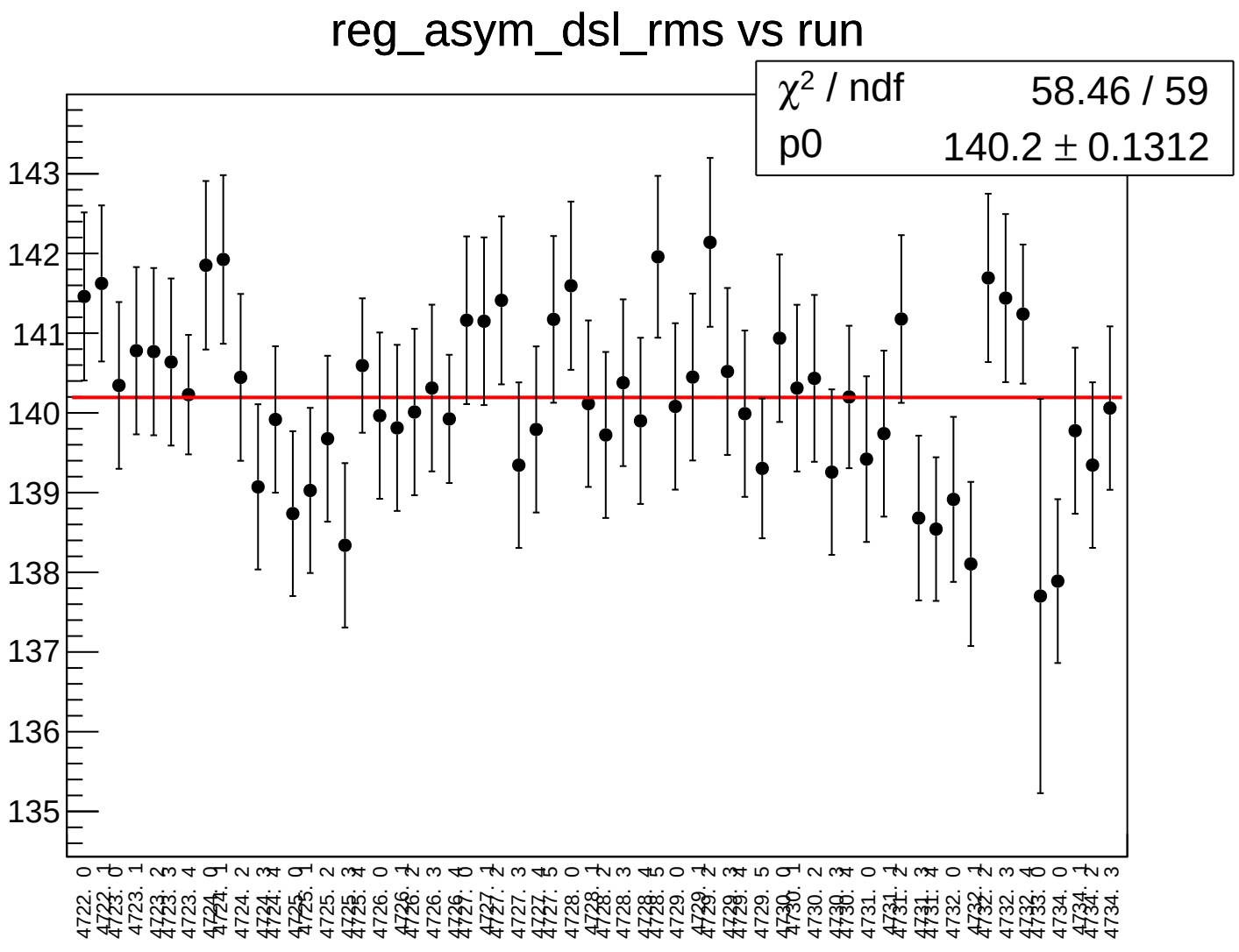

asym_usr_mean vs run
χ² / ndf 60.2 / 59
p0 330.6 ± 790.1
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −21.62
Std Dev 37.77
2
1
0
−1
−2

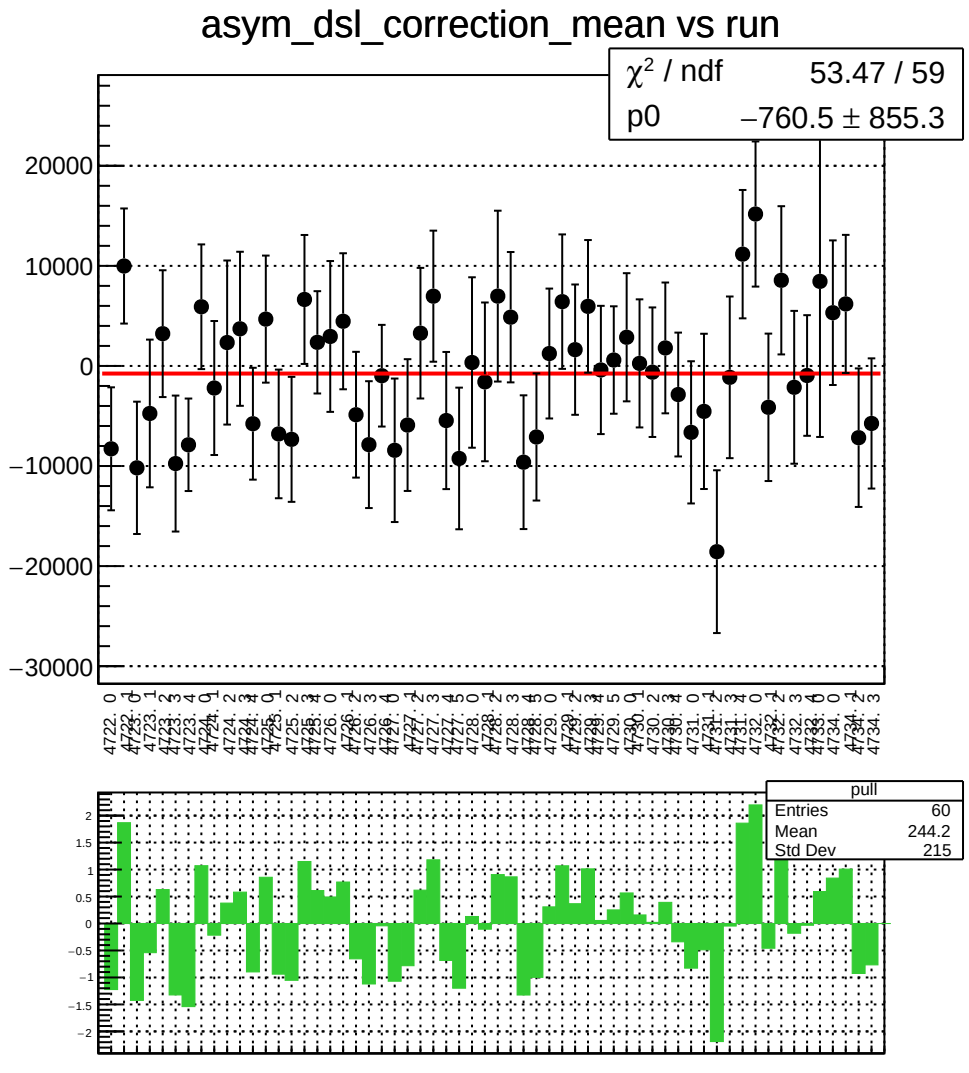

pull1D
Entries 60
Mean −0.01246
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

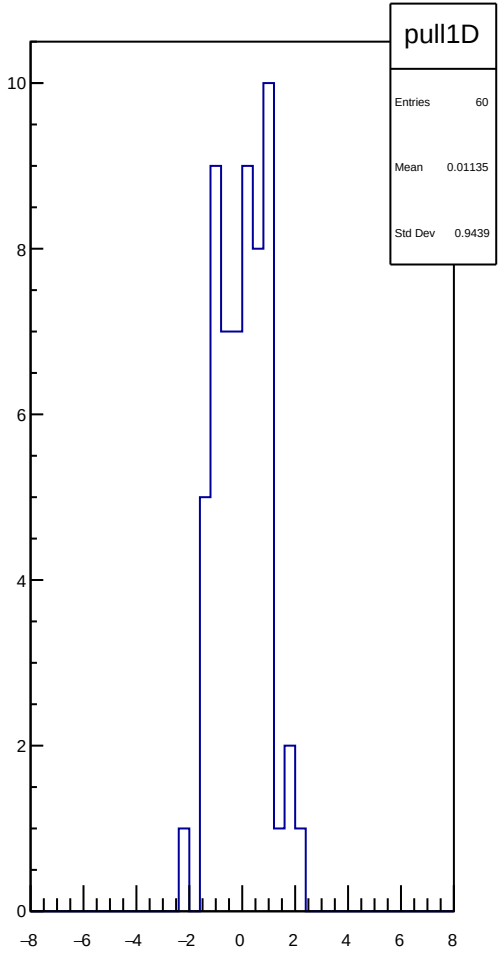

asym_usr_rms vs run
χ² / ndf 8688 / 59
p0 594.9 ± 0.5587
750
700
650
600
550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

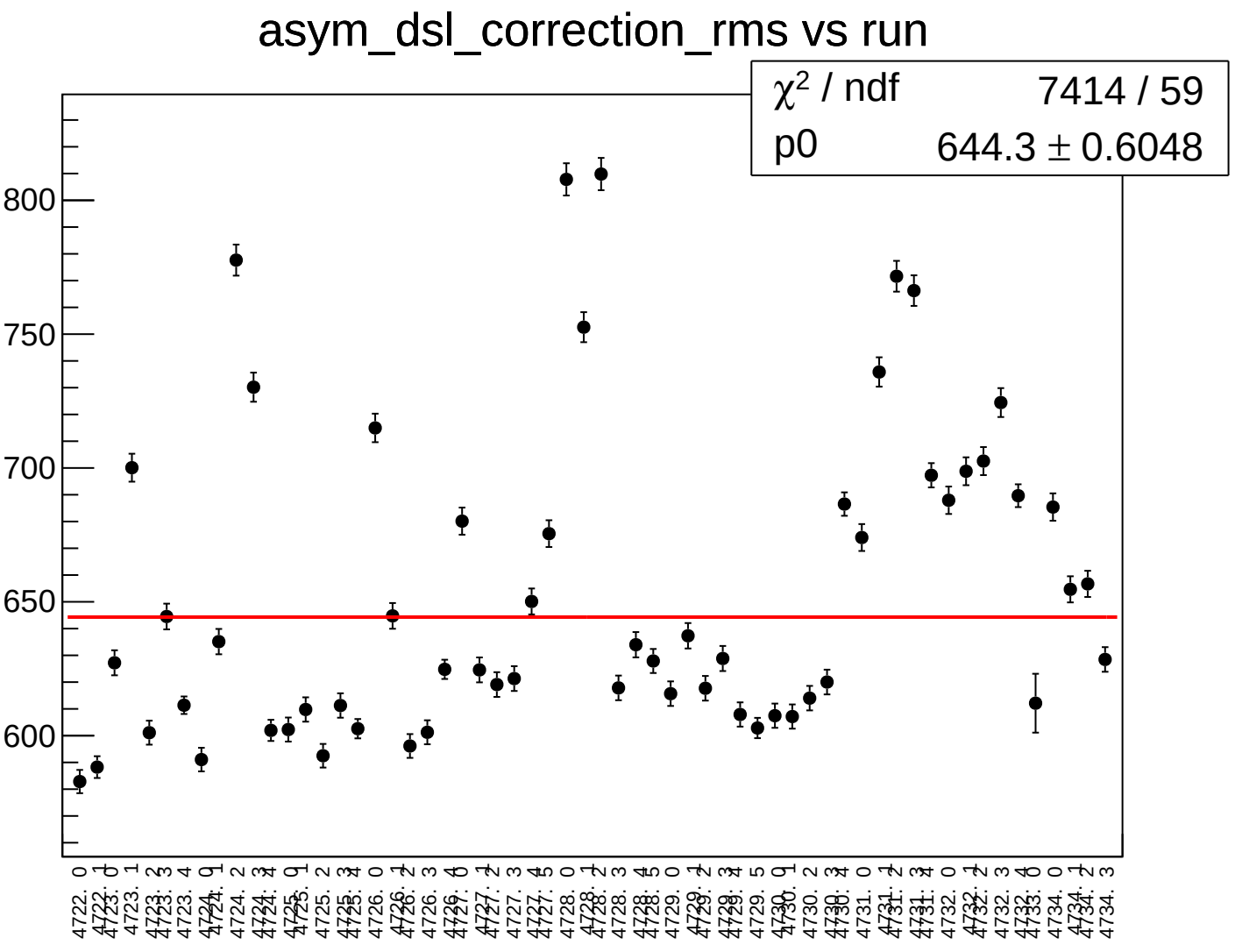

reg_asym_dsl_mean vs run
χ² / ndf 53.23 / 59
p0 −728.9 ± 185.5
pull
Entries 60
Mean 443
Std Dev 412.4

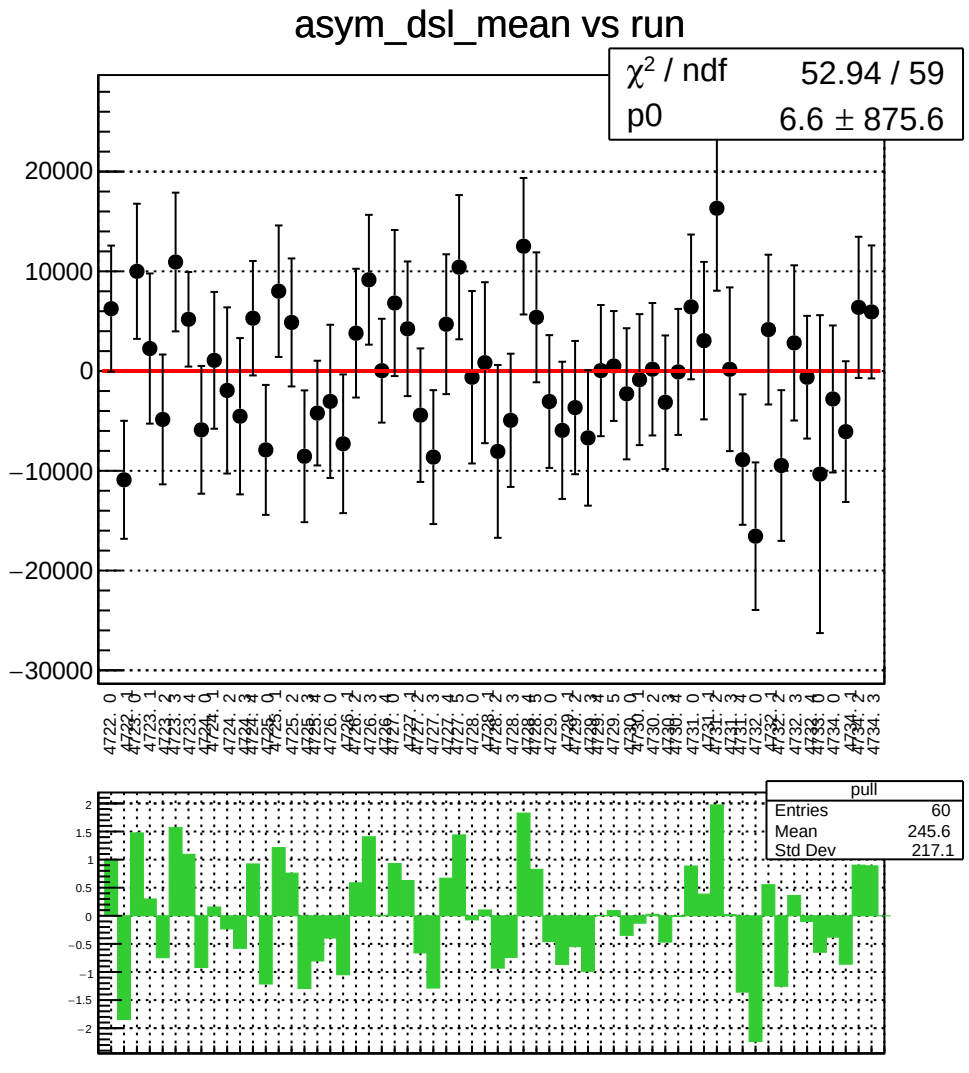

pull1D
Entries 60
Mean 0.009118
Std Dev 0.9418

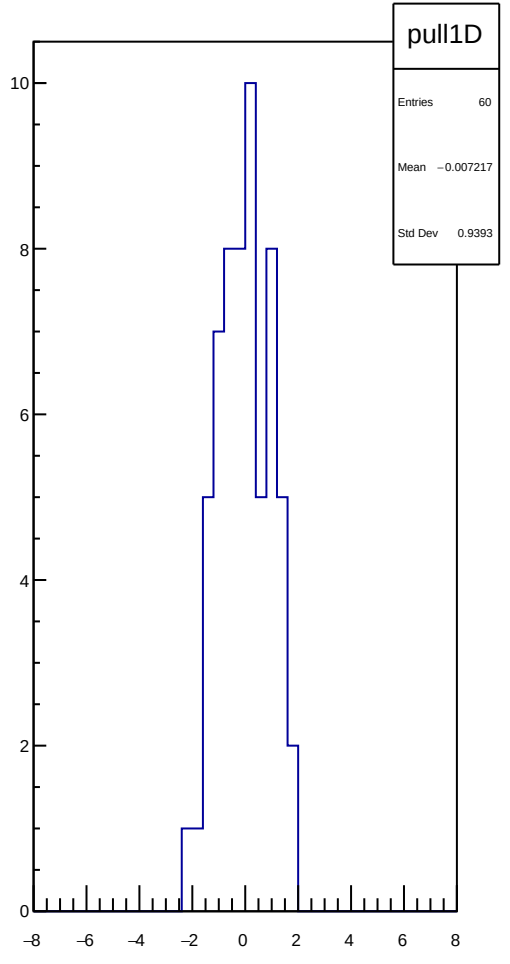

reg_asym_dsl_rms vs run
χ² / ndf 58.46 / 59
p0 140.2 ± 0.1312
143
142
141
140
139
138
137
136
135
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

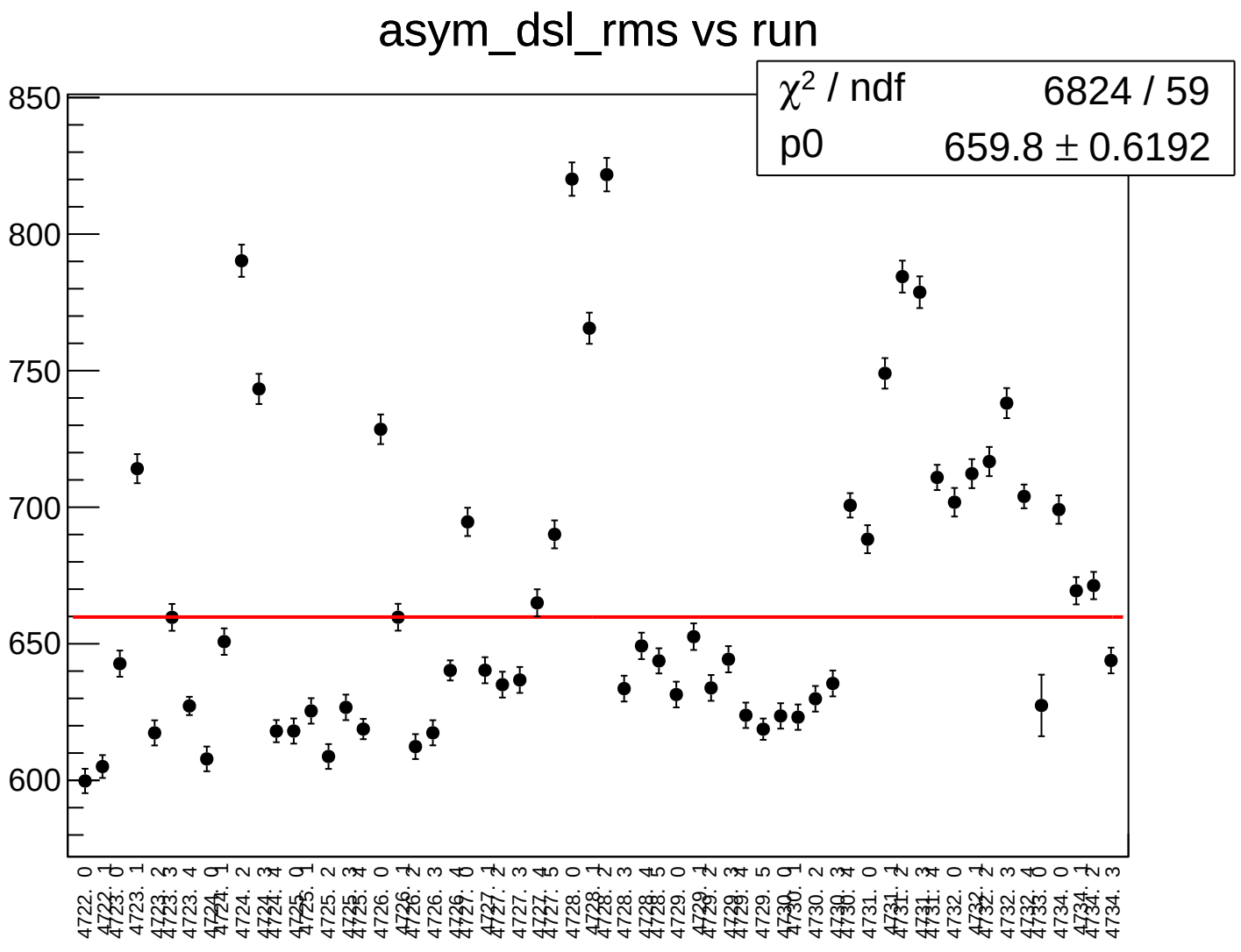

asym_dsl_correction_mean vs run
χ² / ndf 53.47 / 59
p0 −760.5 ± 855.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 244.2
Std Dev 215
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

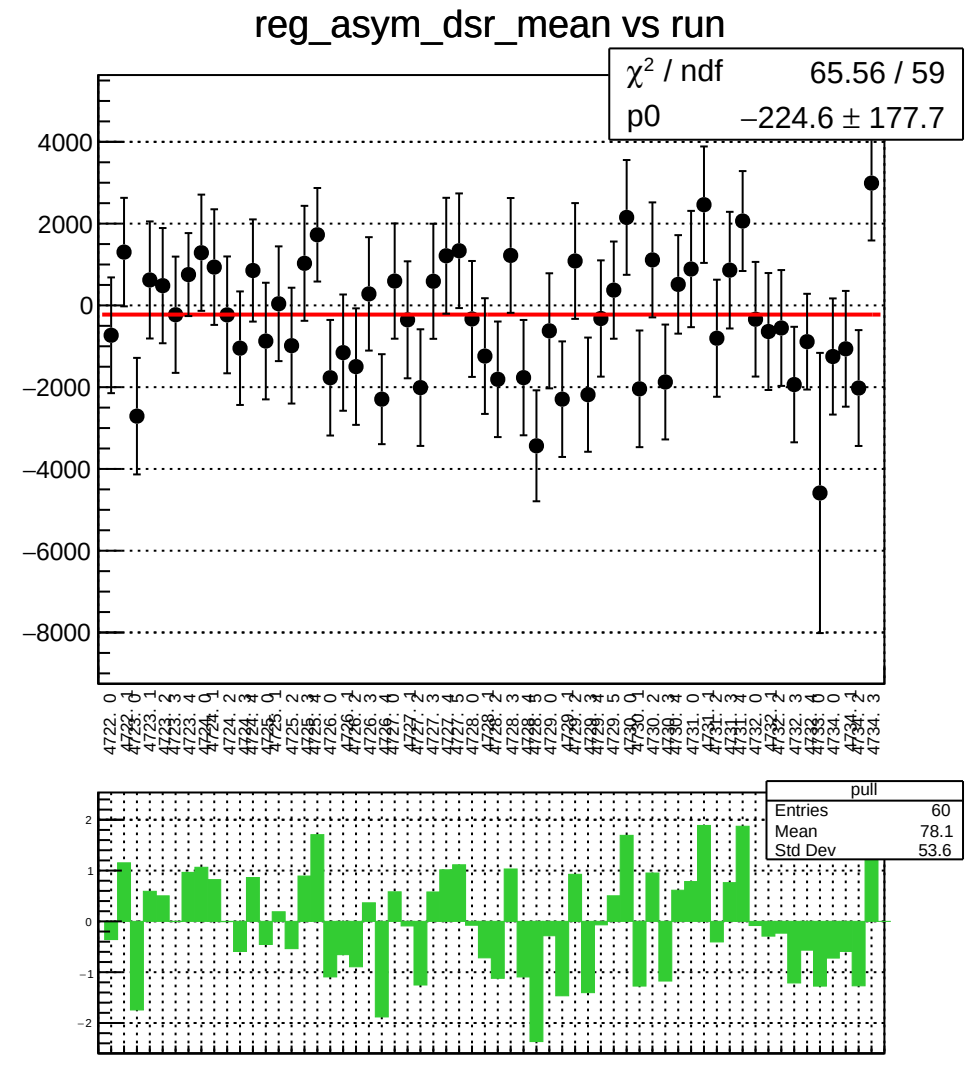

pull1D
Entries 60
Mean 0.01135
Std Dev 0.9439
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

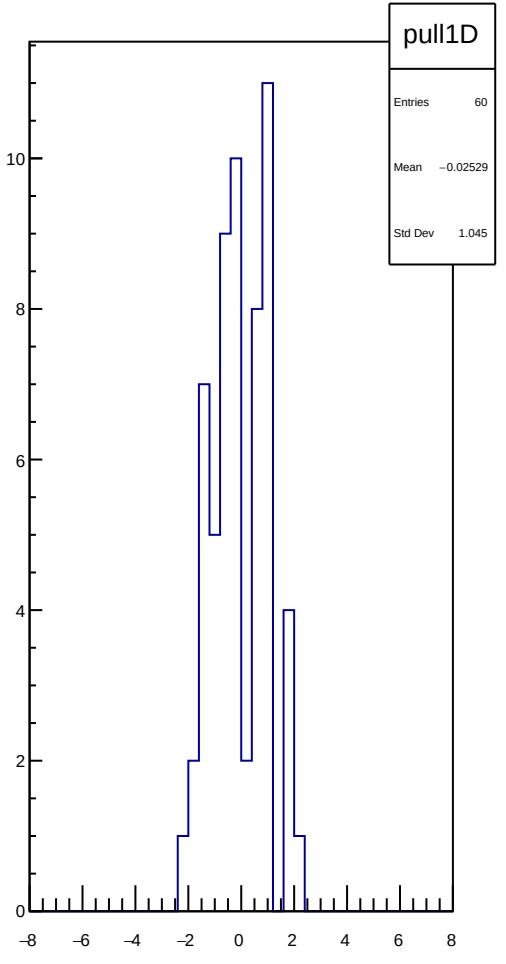

asym_dsl_correction_rms vs run
χ² / ndf 7414 / 59
p0 644.3 ± 0.6048
800
750
700
650
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

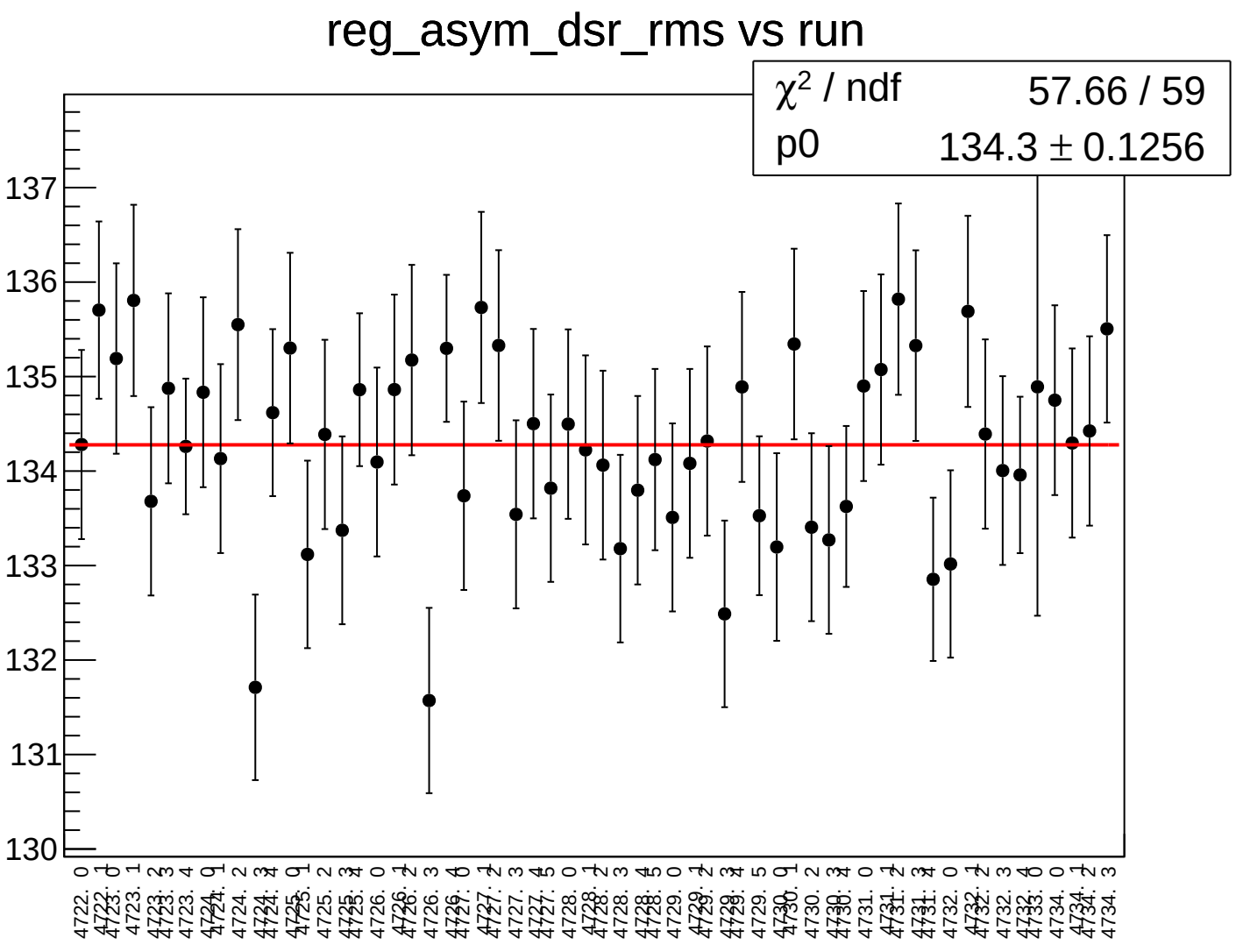

asym_dsl_mean vs run
χ² / ndf 52.94 / 59
p0 6.6 ± 875.6
pull
Entries 60
Mean 245.6
Std Dev 217.1

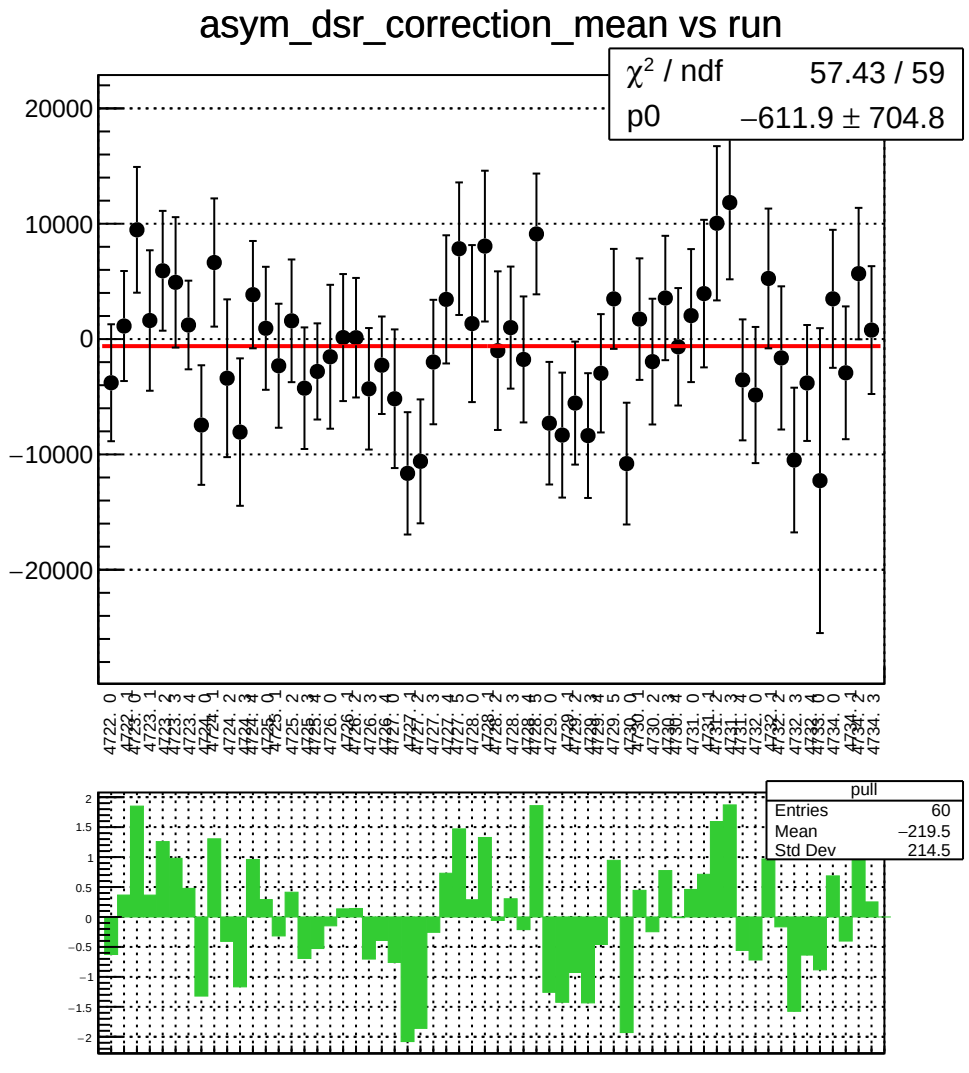

pull1D
Entries 60
Mean −0.007217
Std Dev 0.9393

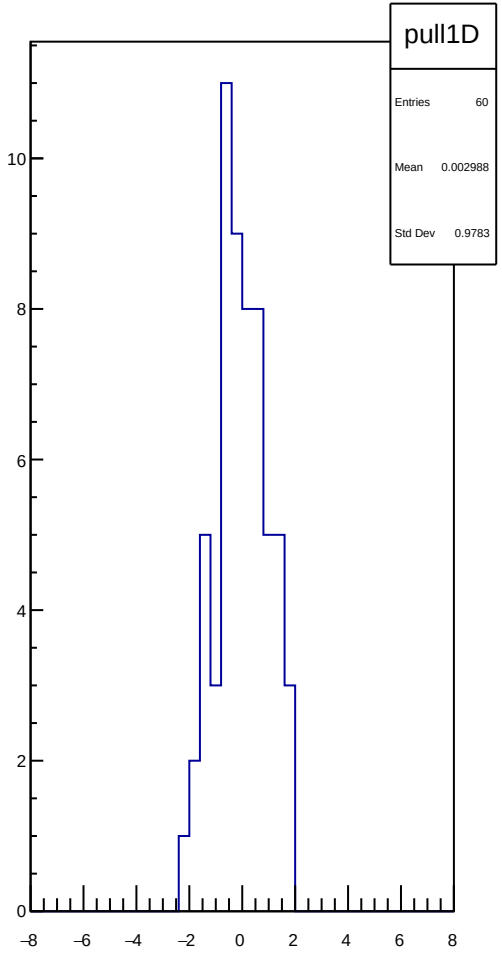

asym_dsl_rms vs run
χ² / ndf 6824 / 59
p0 659.8 ± 0.6192
850
800
750
700
650
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

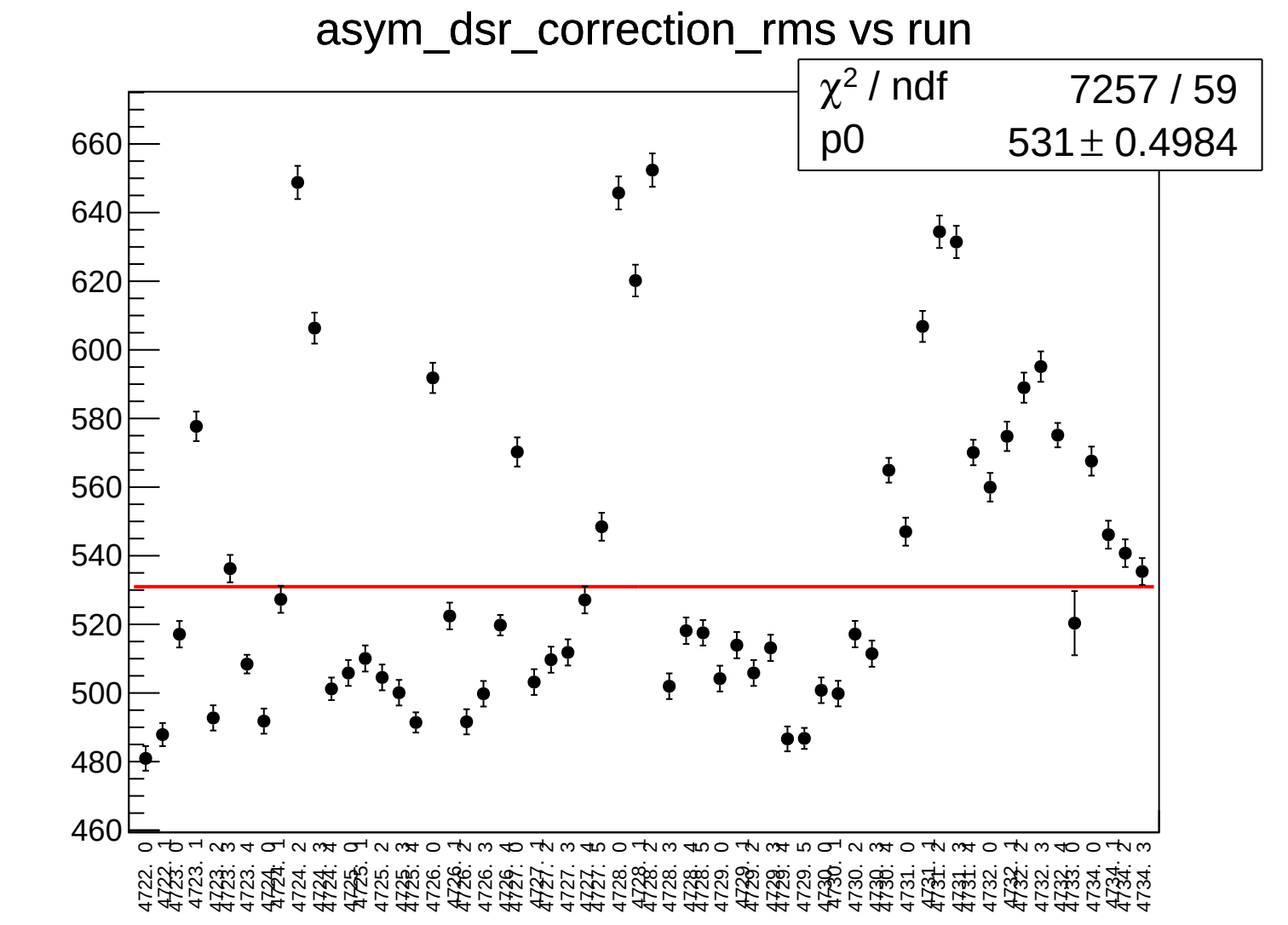

reg_asym_dsr_mean vs run
χ² / ndf 65.56 / 59
p0 −224.6 ± 177.7
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 60
Mean 78.1
Std Dev 53.6
2
1
0
−1
−2

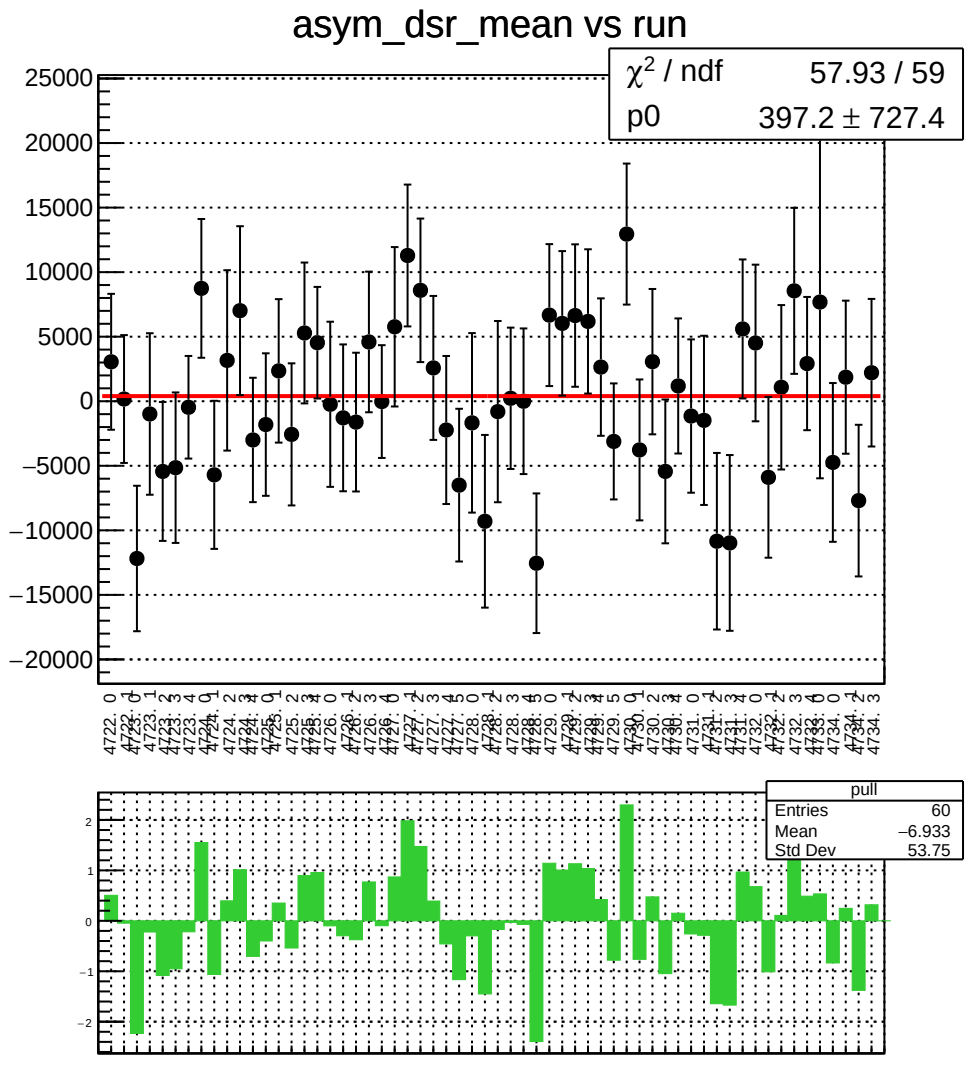

pull1D
Entries 60
Mean −0.02529
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

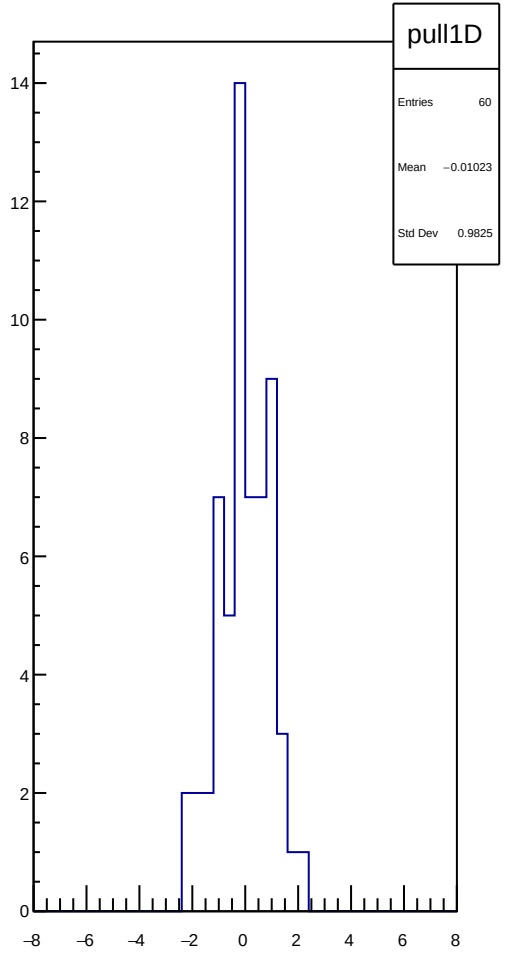

reg_asym_dsr_rms vs run
χ² / ndf 57.66 / 59
p0 134.3 ± 0.1256
137
136
135
134
133
132
131
130

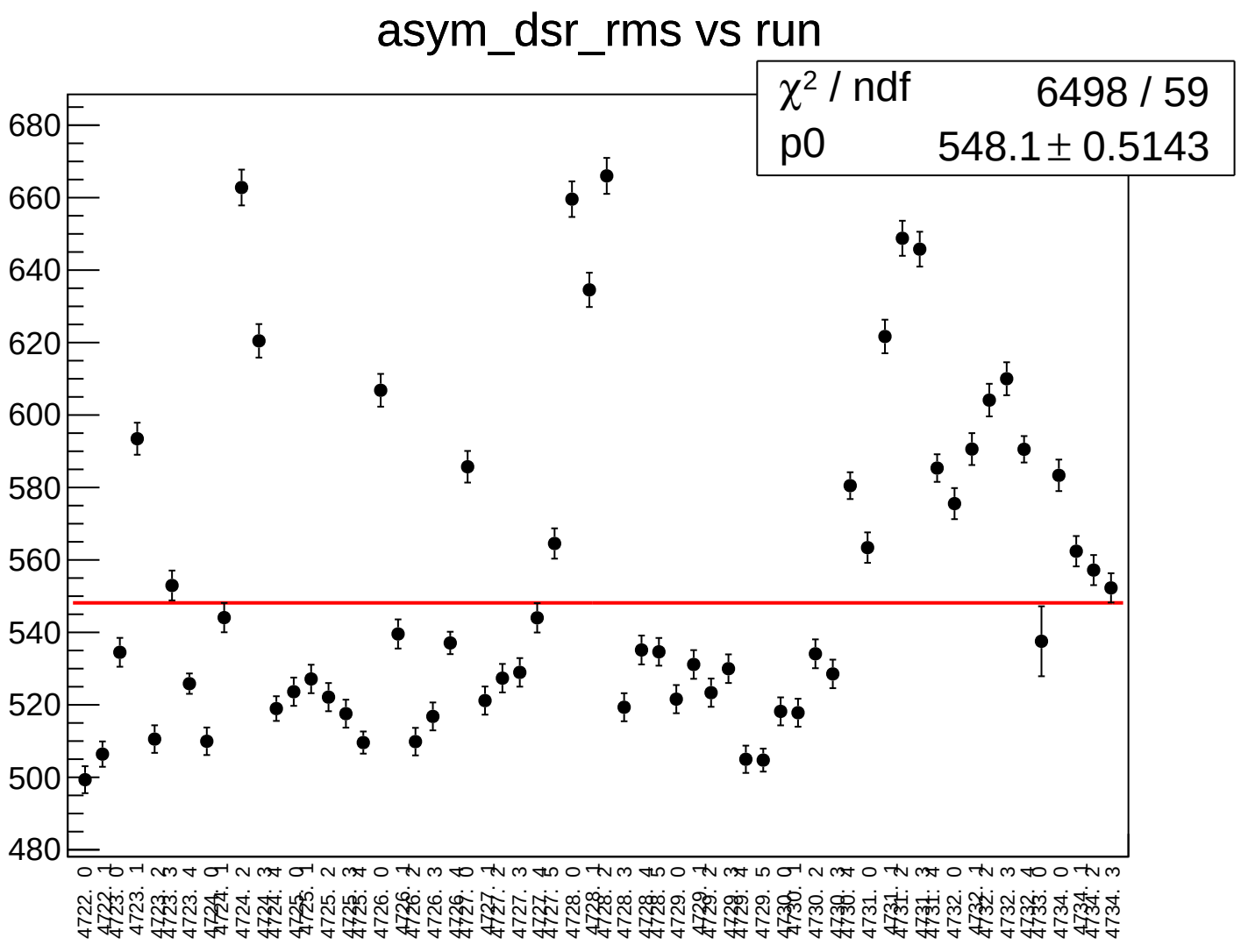

asym_dsr_correction_mean vs run
χ² / ndf 57.43 / 59
p0 −611.9 ± 704.8
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −219.5
Std Dev 214.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

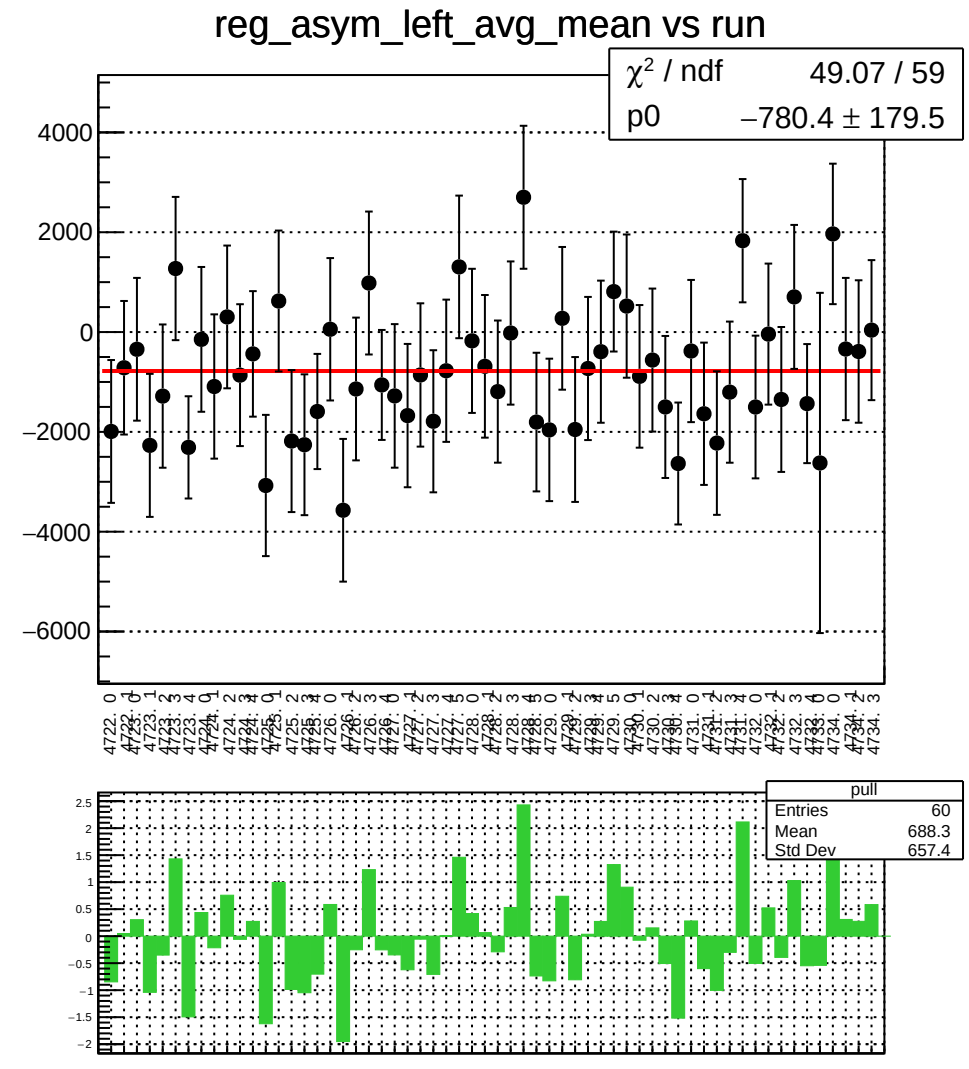

pull1D
Entries 60
Mean 0.002988
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

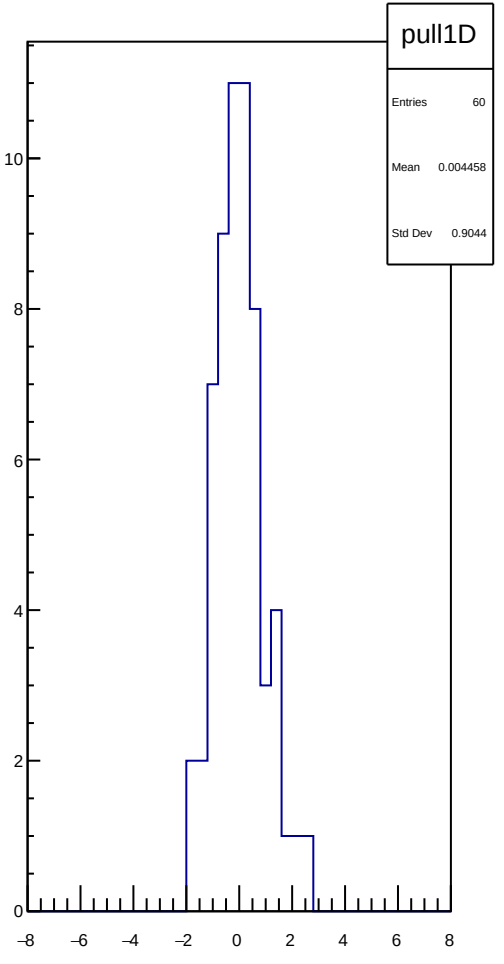

asym_dsr_correction_rms vs run
χ² / ndf 7257 / 59
p0 531 ± 0.4984
660
640
620
600
580
560
540
520
500
480
460
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

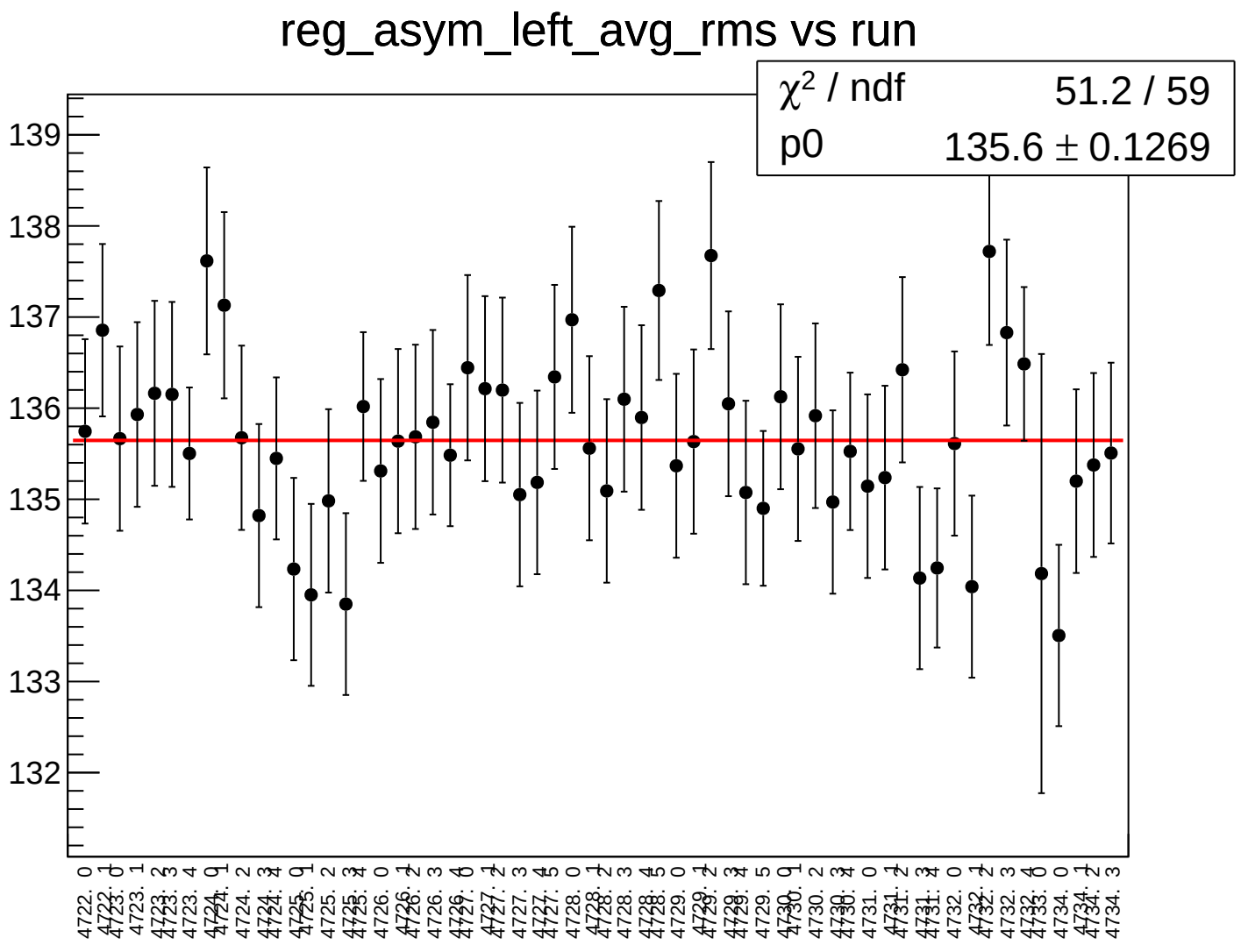

asym_dsr_mean vs run
χ² / ndf 57.93 / 59
p0 397.2 ± 727.4
pull
Entries 60
Mean −6.933
Std Dev 53.75

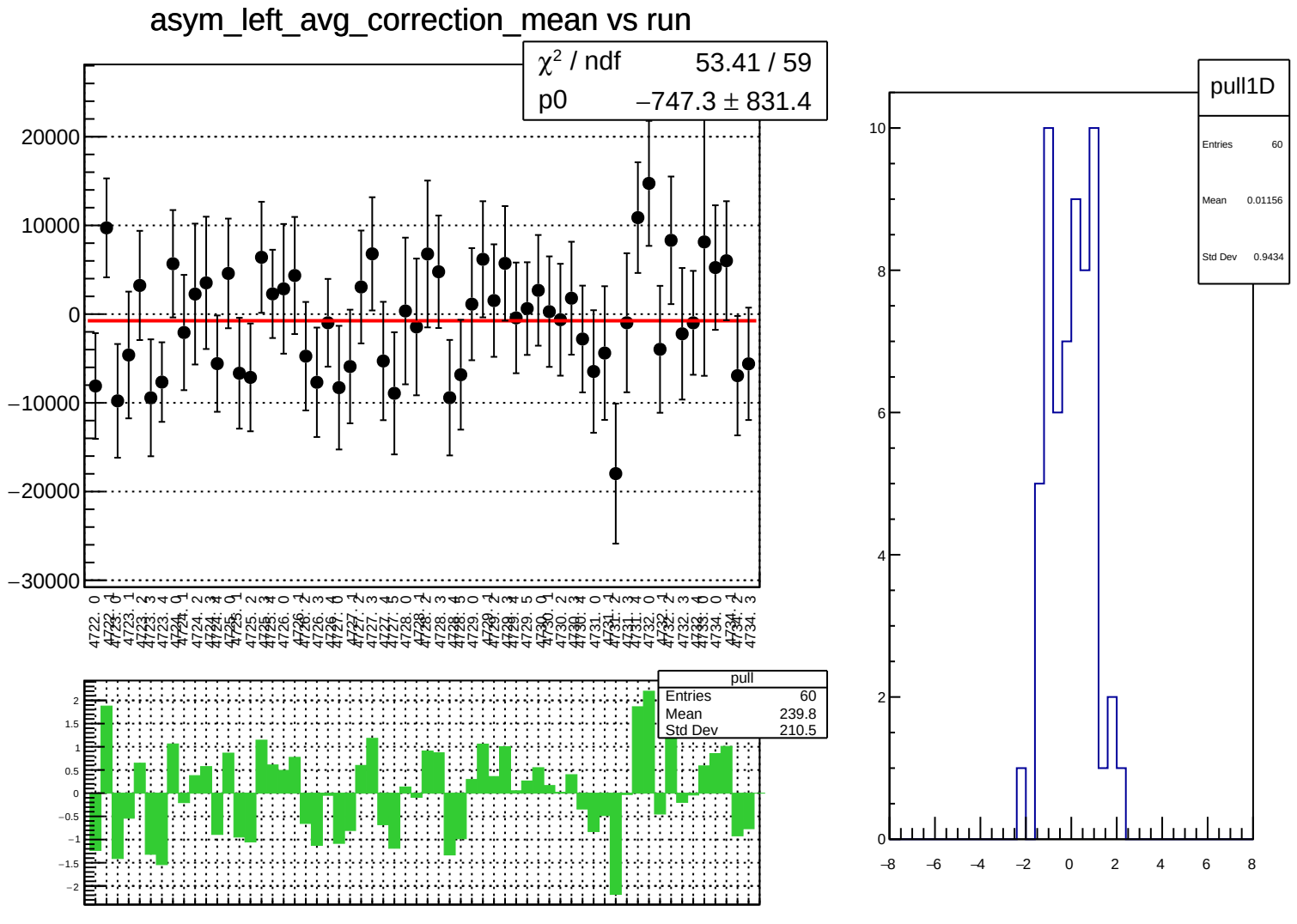

pull1D
Entries 60
Mean −0.01023
Std Dev 0.9825

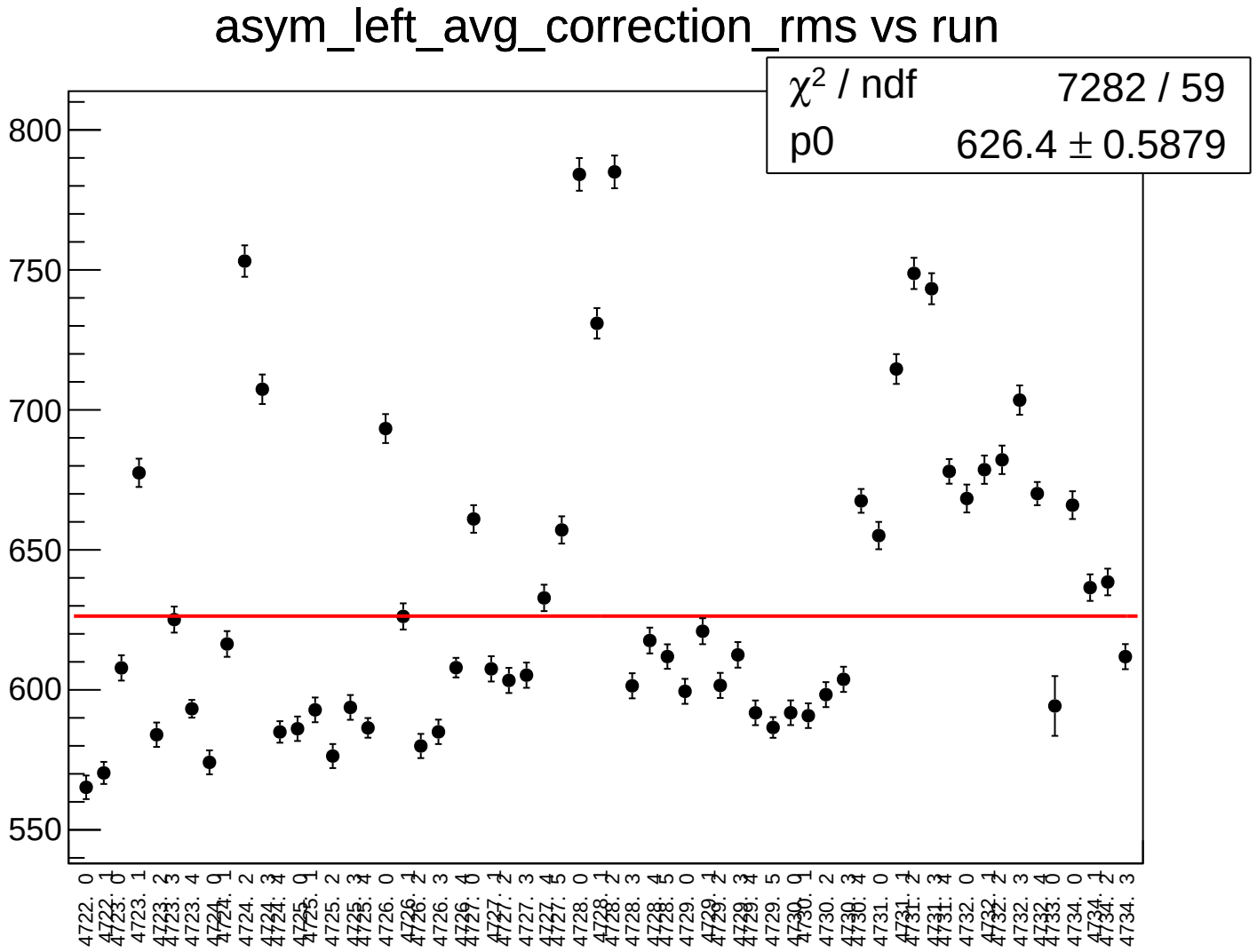

asym_dsr_rms vs run
χ² / ndf 6498 / 59
p0 548.1 ± 0.5143
680
660
640
620
600
580
560
540
520
500
480
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

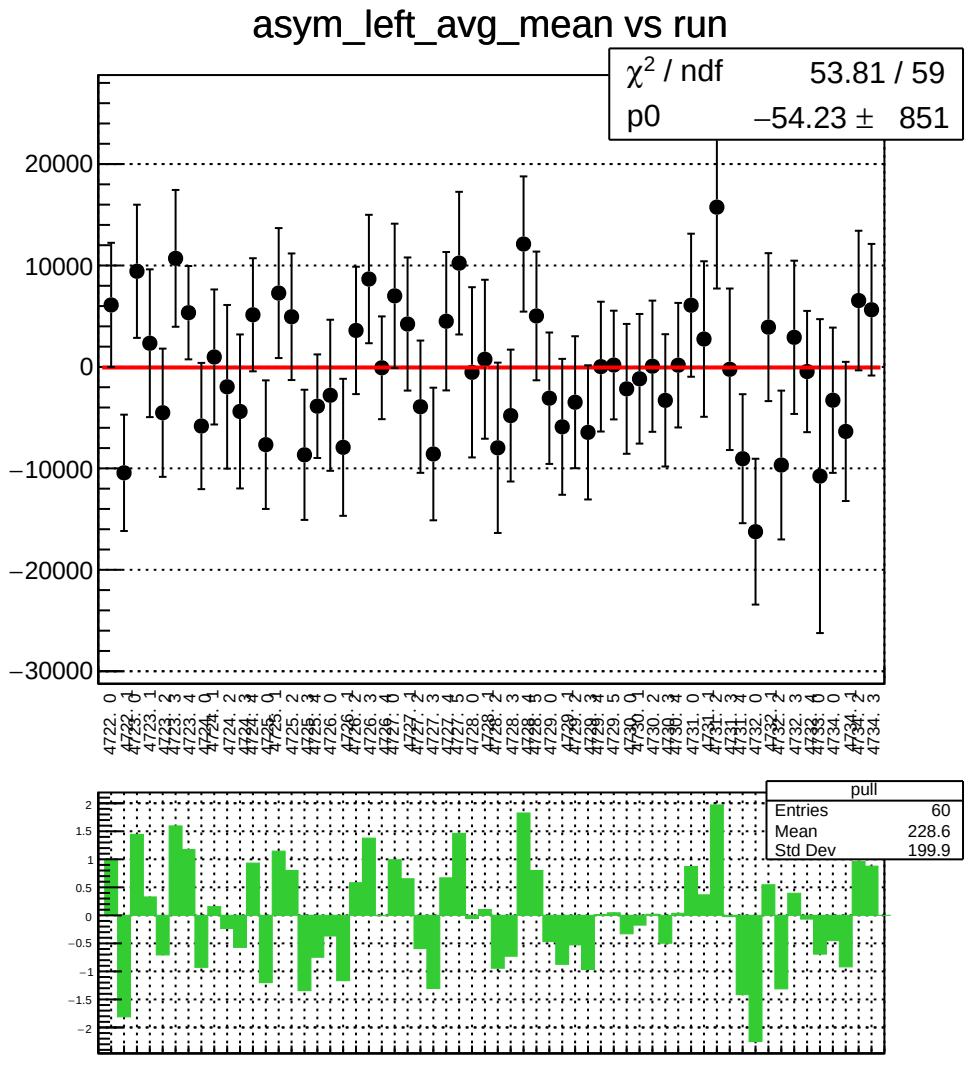

reg_asym_left_avg_mean vs run
χ² / ndf 49.07 / 59
p0 −780.4 ± 179.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 60
Mean 688.3
Std Dev 657.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

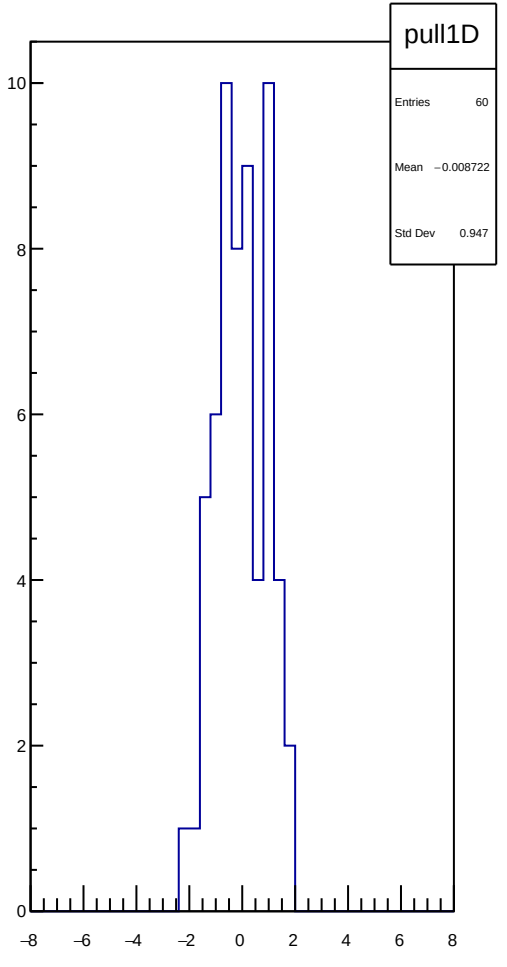

pull1D
Entries 60
Mean 0.004458
Std Dev 0.9044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

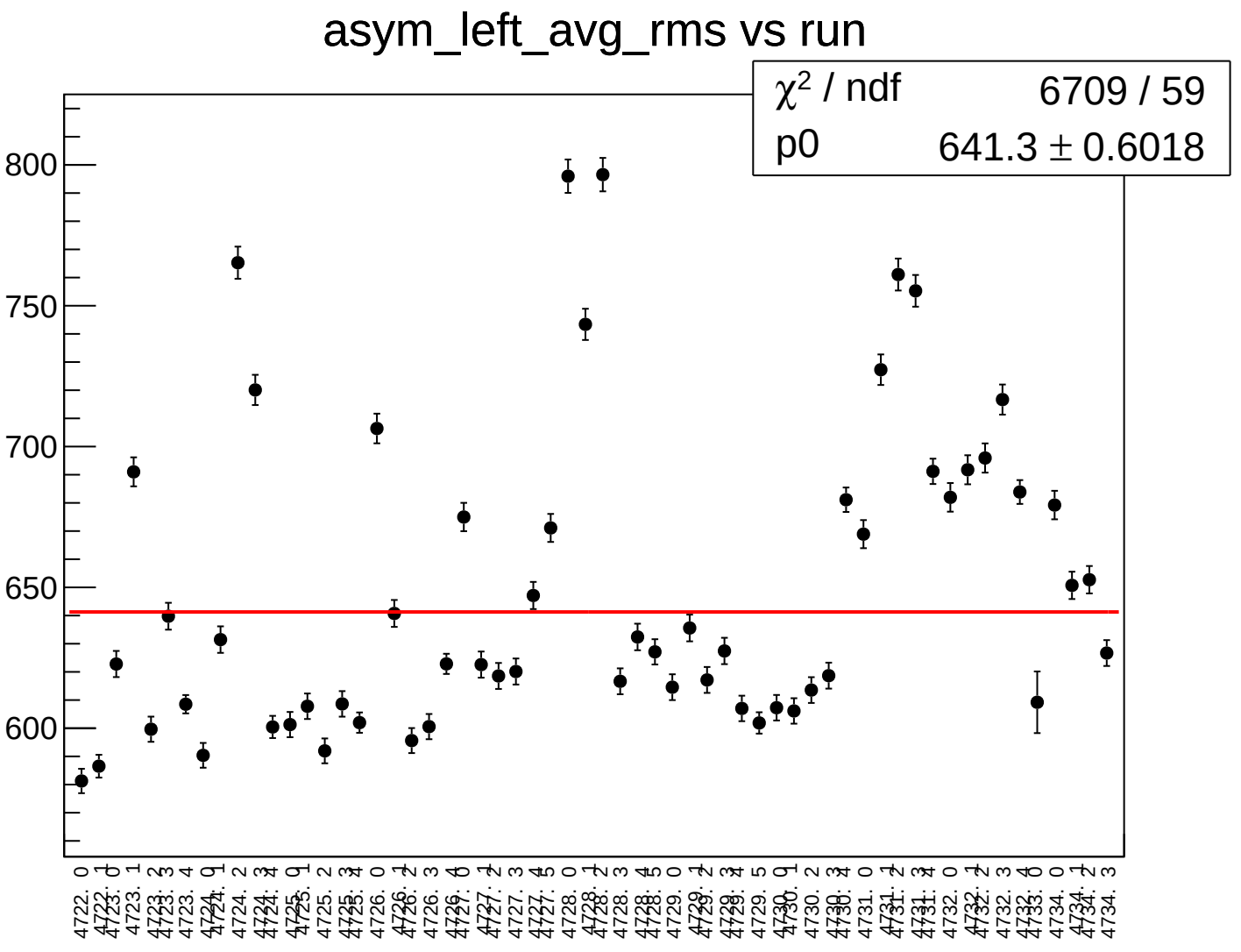

reg_asym_left_avg_rms vs run
χ² / ndf 51.2 / 59
p0 135.6 ± 0.1269
139
138
137
136
135
134
133
132

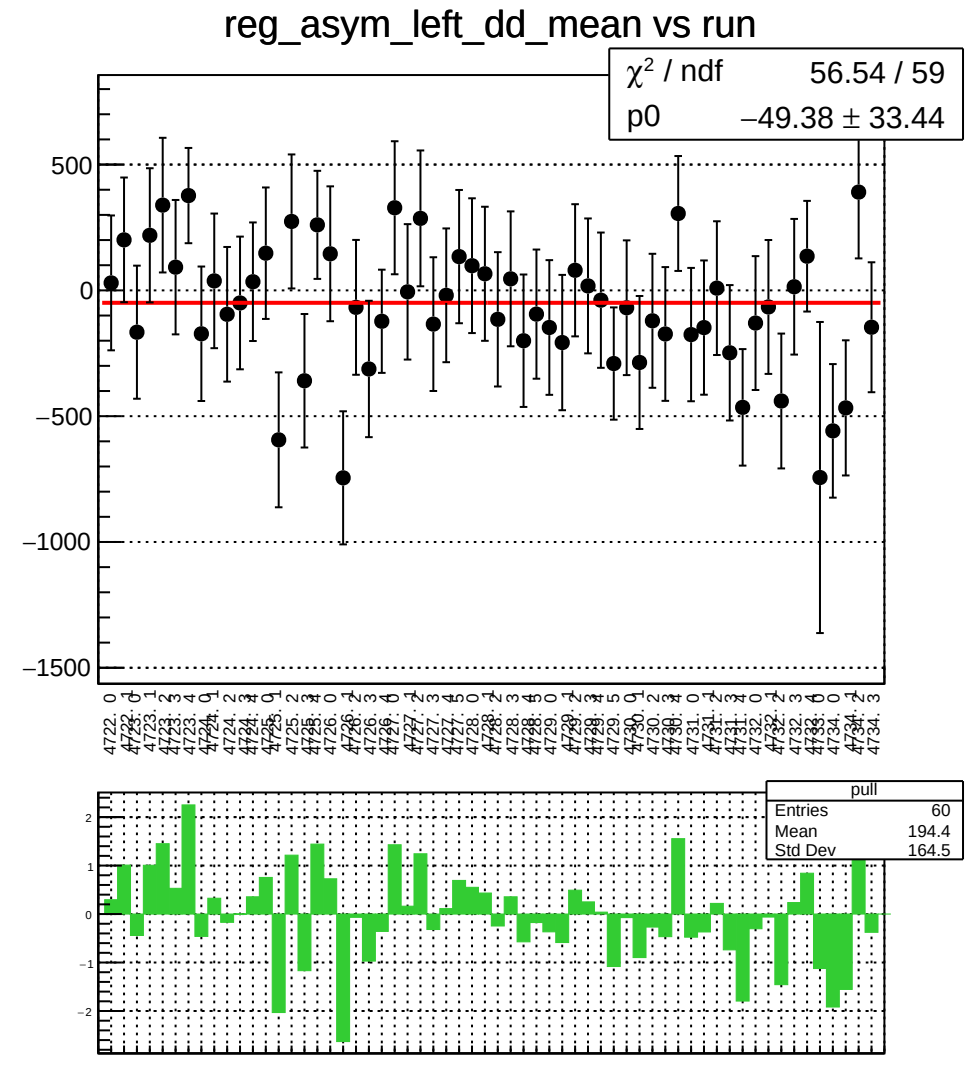

asym_left_avg_correction_mean vs run
χ² / ndf 53.41 / 59
p0 −747.3 ± 831.4
pull
Entries 60
Mean 239.8
Std Dev 210.5
pull1D
Entries 60
Mean 0.01156
Std Dev 0.9434

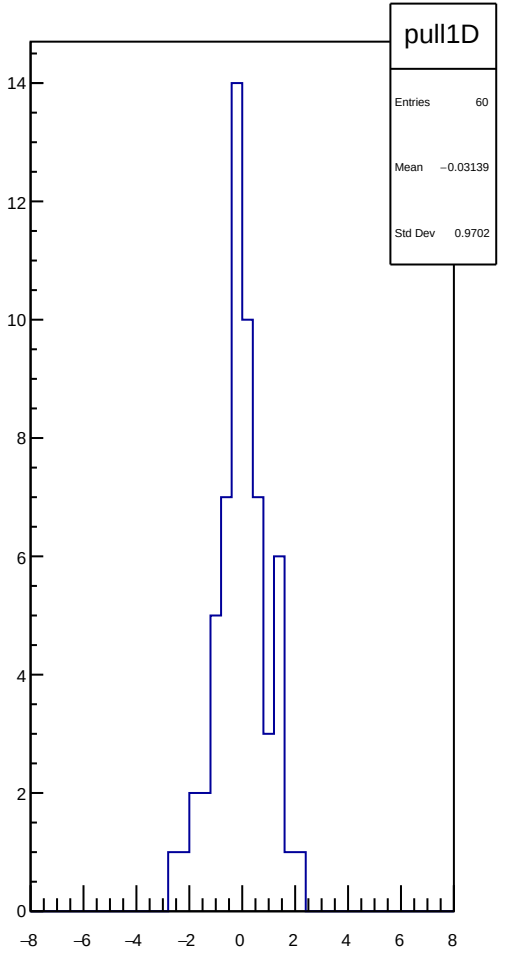

asym_left_avg_correction_rms vs run
χ² / ndf 7282 / 59
p0 626.4 ± 0.5879
800
750
700
650
600
550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

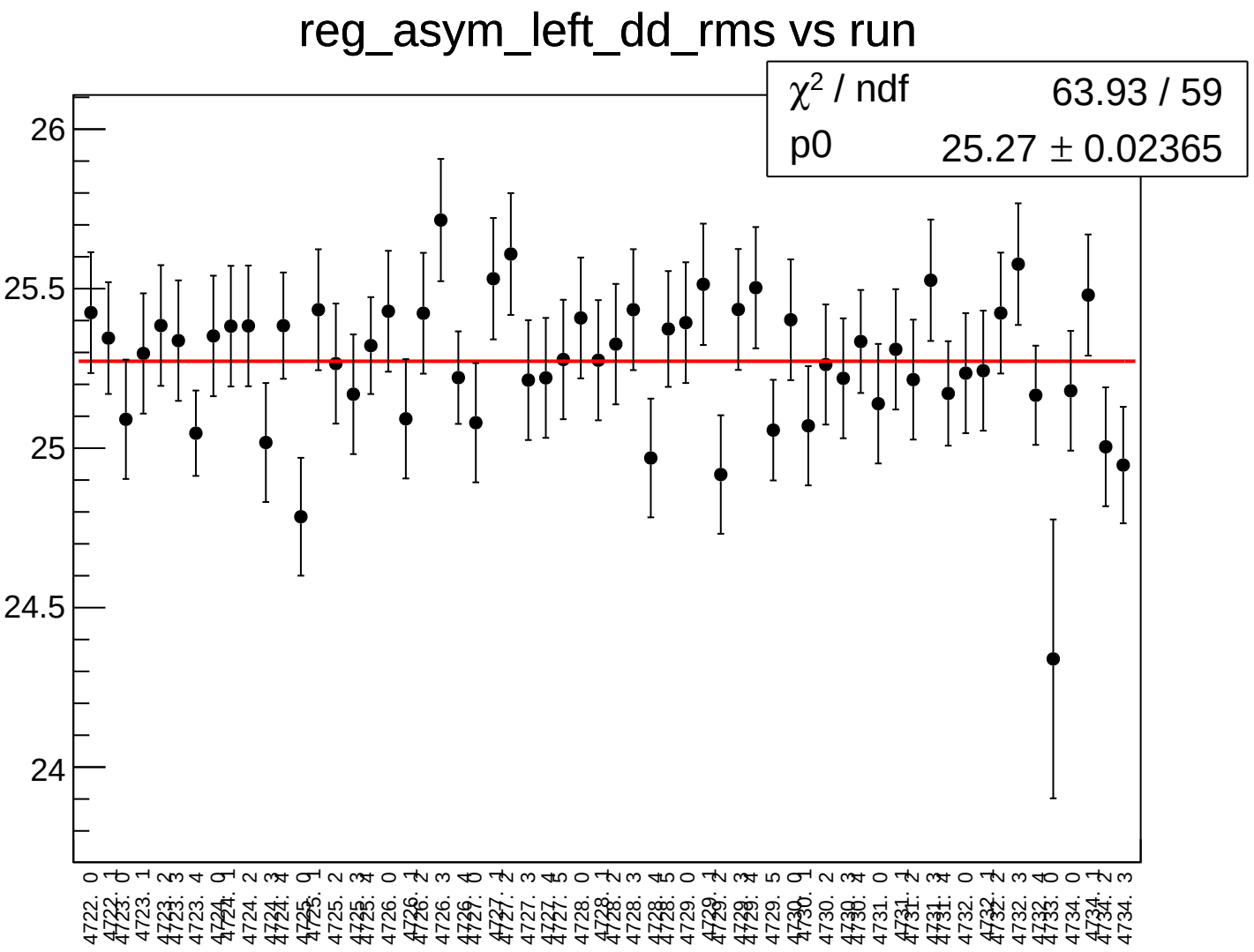

asym_left_avg_mean vs run
χ² / ndf 53.81 / 59
p0 −54.23 ± 851
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 228.6
Std Dev 199.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

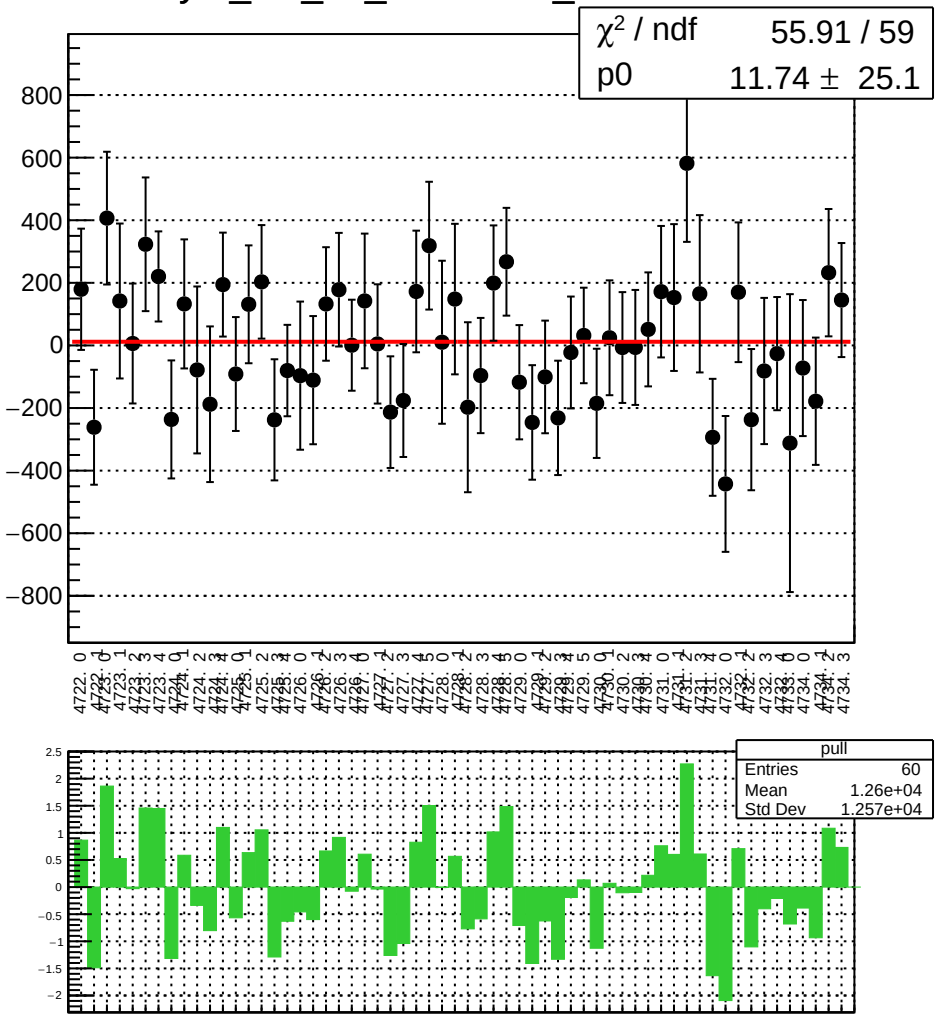

pull1D
Entries 60
Mean −0.008722
Std Dev 0.947
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

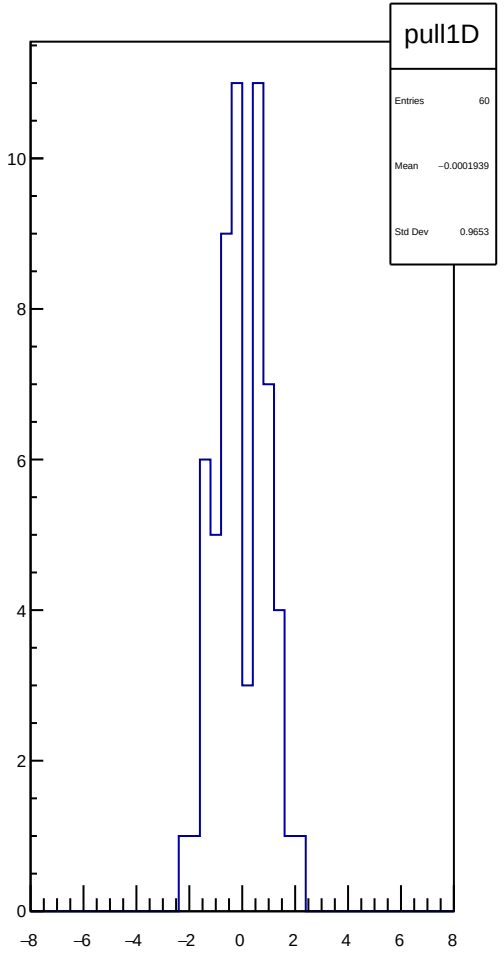

asym_left_avg_rms vs run
χ² / ndf 6709 / 59
p0 641.3 ± 0.6018
800
750
700
650
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

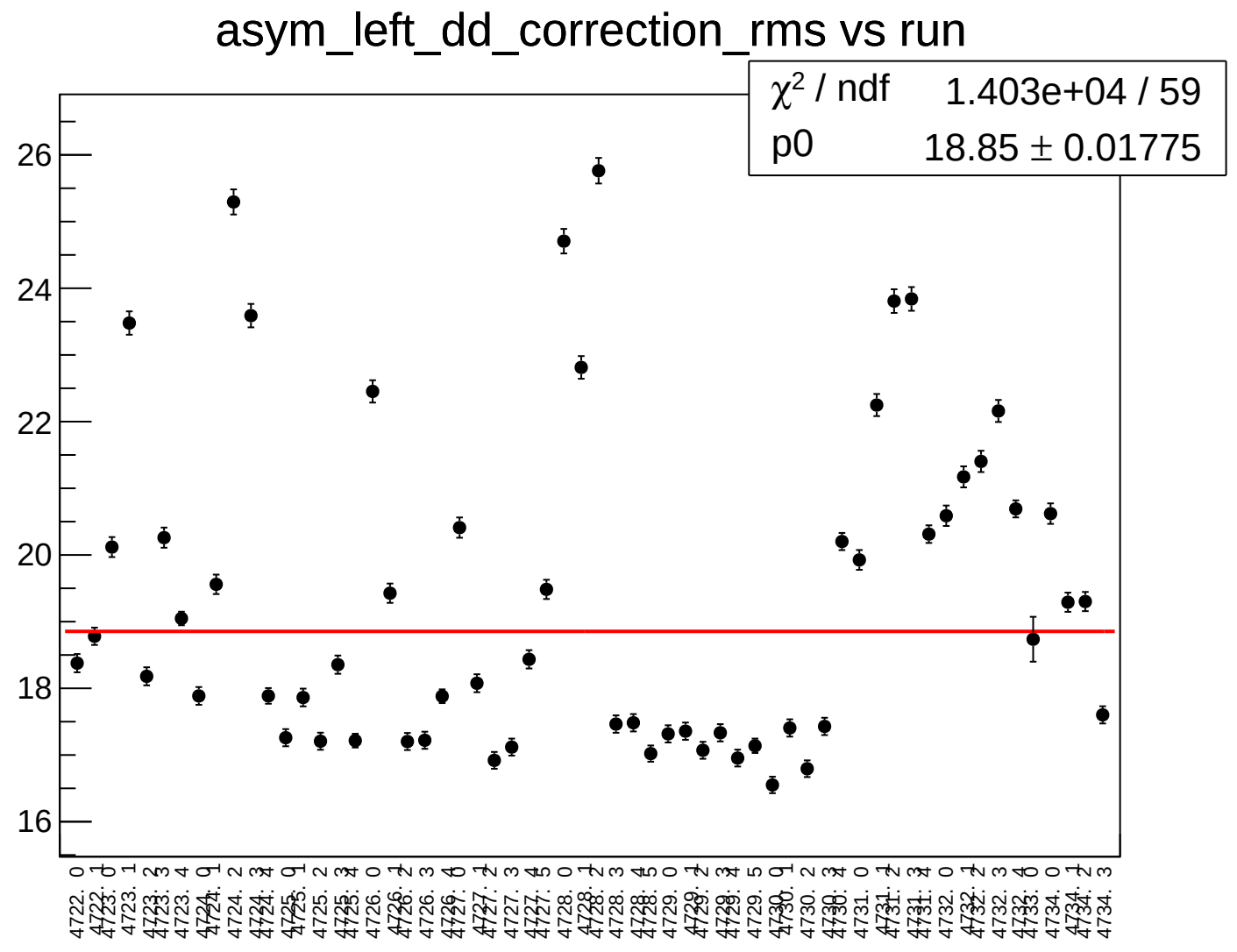

reg_asym_left_dd_mean vs run
χ² / ndf 56.54 / 59
p0 −49.38 ± 33.44
500
0
−500
−1000
−1500
pull
Entries 60
Mean 194.4
Std Dev 164.5
2
1
0
−1
−2

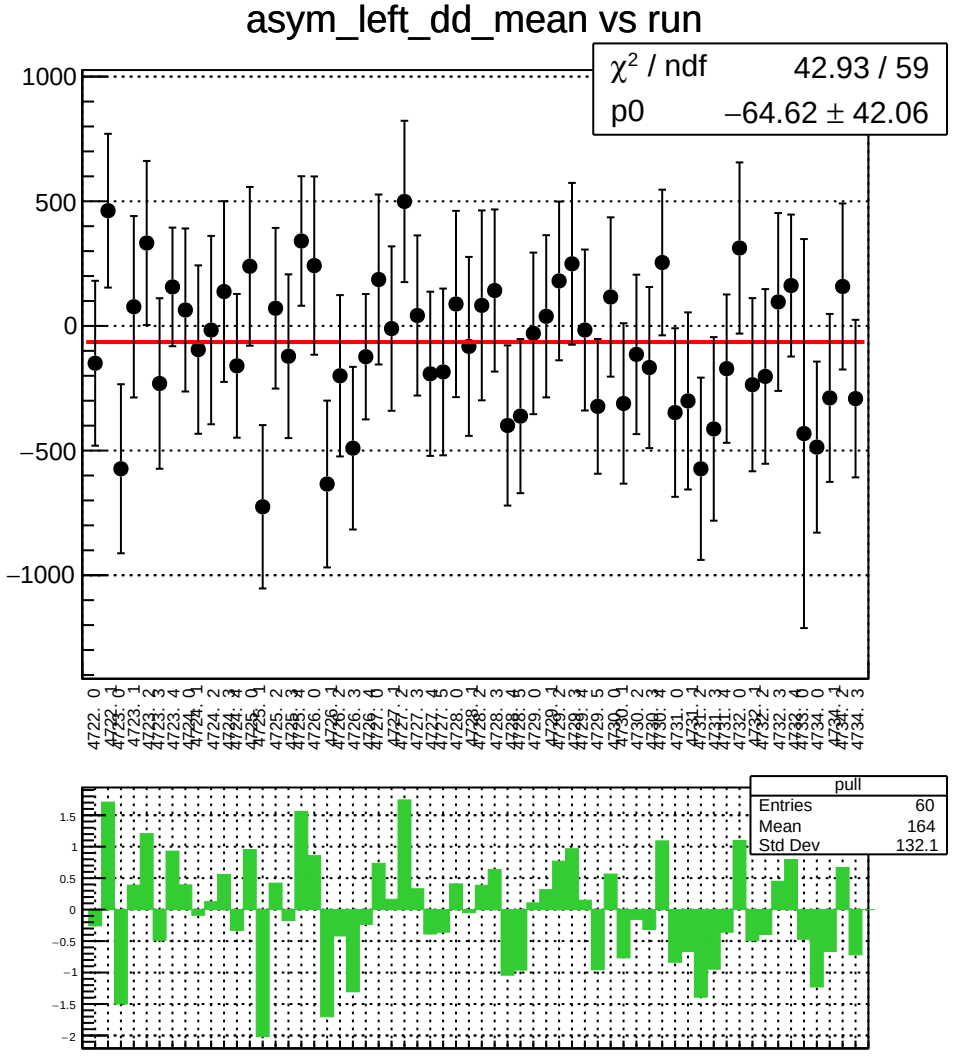

pull1D
Entries 60
Mean −0.03139
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

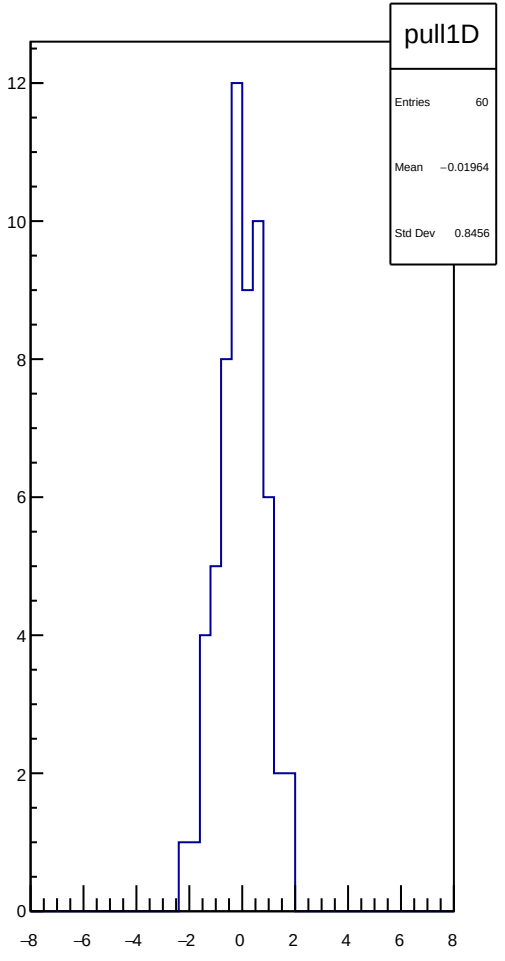

reg_asym_left_dd_rms vs run
χ² / ndf 63.93 / 59
p0 25.27 ± 0.02365
26
25.5
25
24.5
24

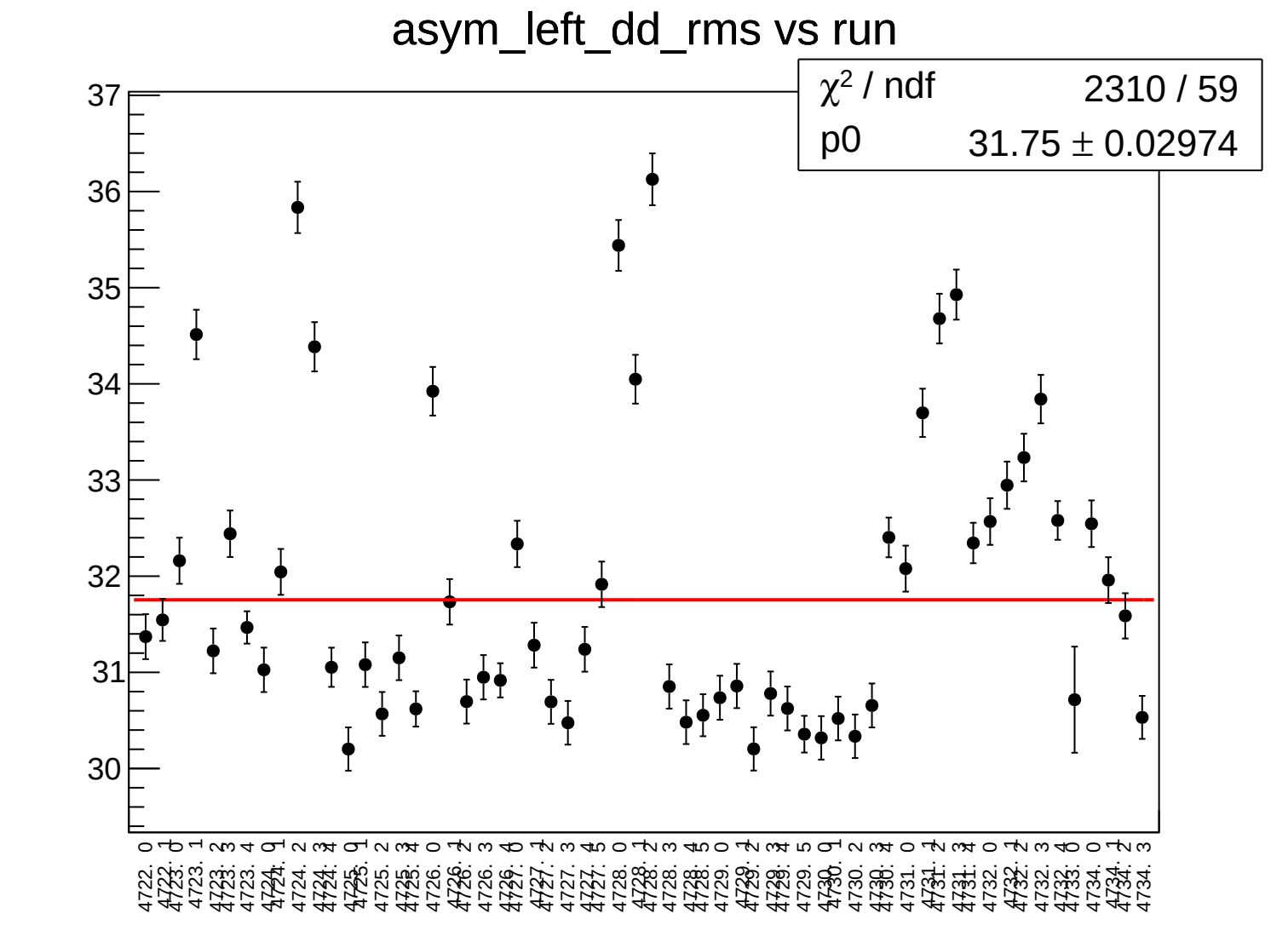

asym_left_dd_correction_mean vs run
χ² / ndf 55.91 / 59
p0 11.74 ± 25.1
pull
Entries 60
Mean 1.26e+04
Std Dev 1.257e+04

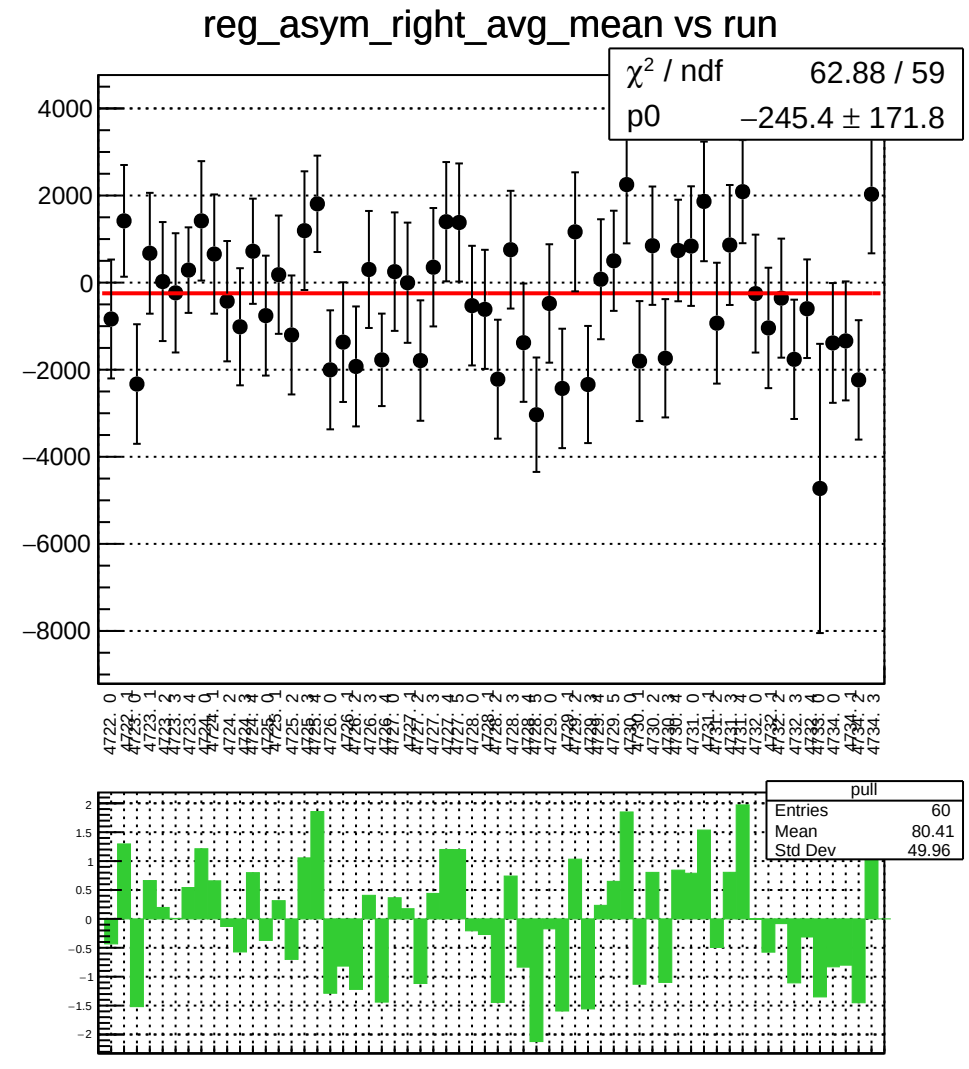

pull1D
Entries 60
Mean −0.0001939
Std Dev 0.9653

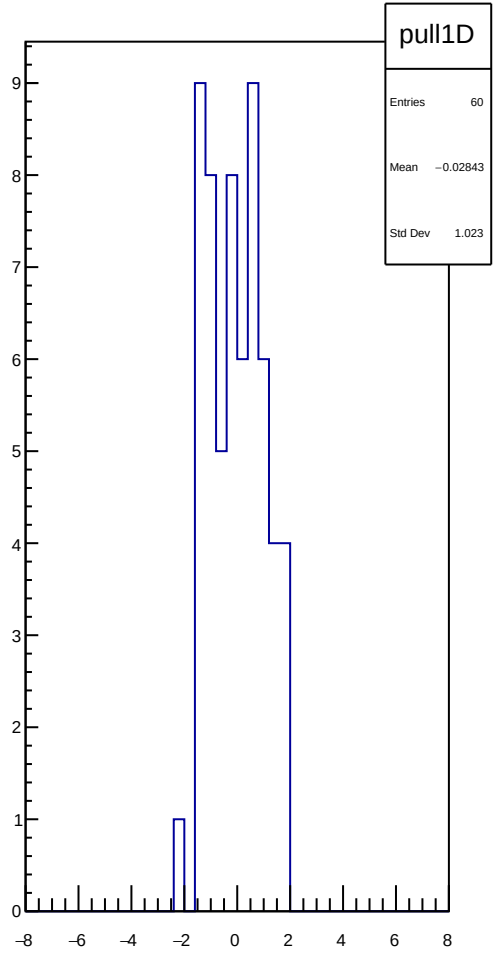

asym_left_dd_correction_rms vs run
χ² / ndf 1.403e+04 / 59
p0 18.85 ± 0.01775
26
24
22
20
18
16
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

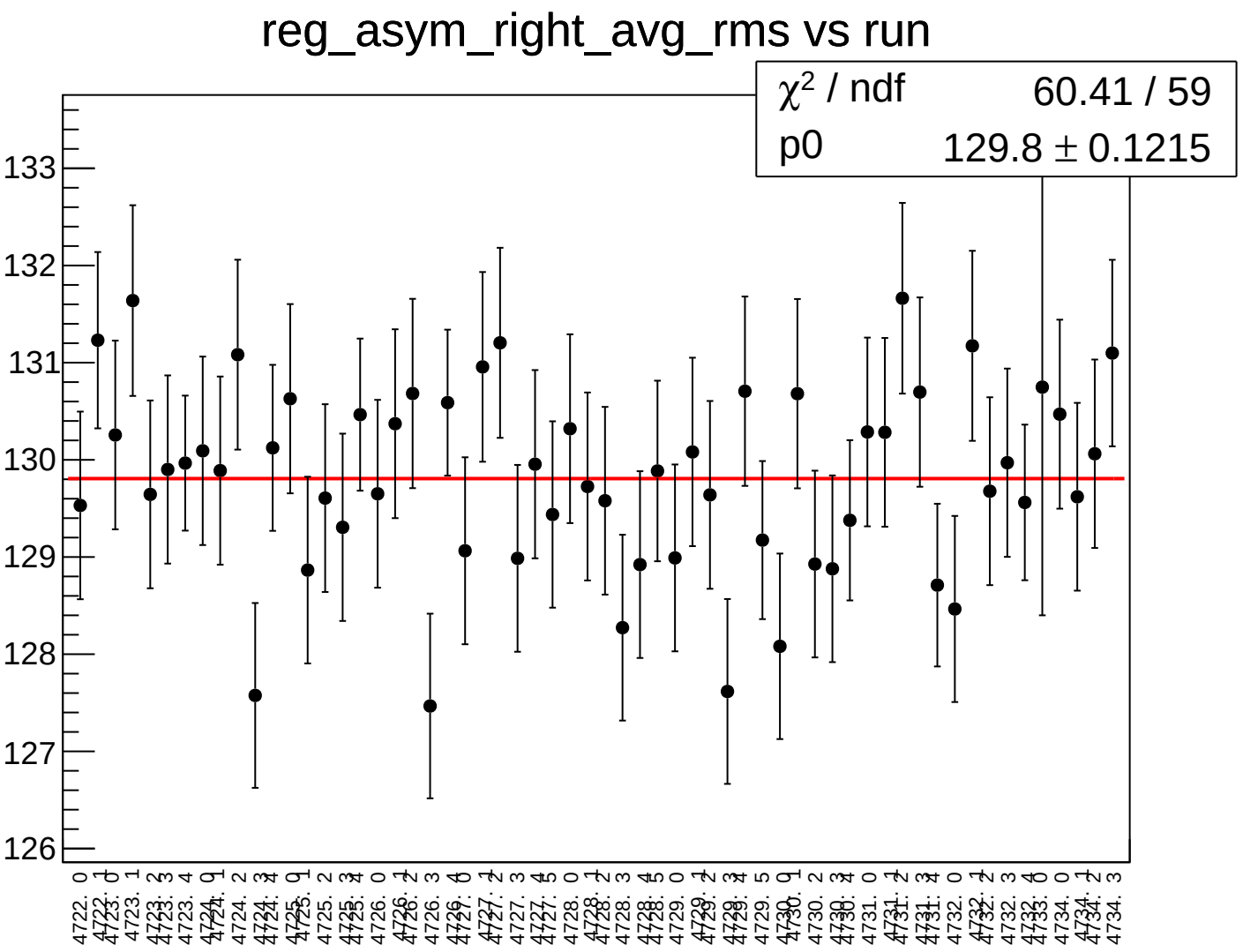

asym_left_dd_mean vs run
χ² / ndf 42.93 / 59
p0 −64.62 ± 42.06
1000
500
0
−500
−1000
pull
Entries 60
Mean 164
Std Dev 132.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

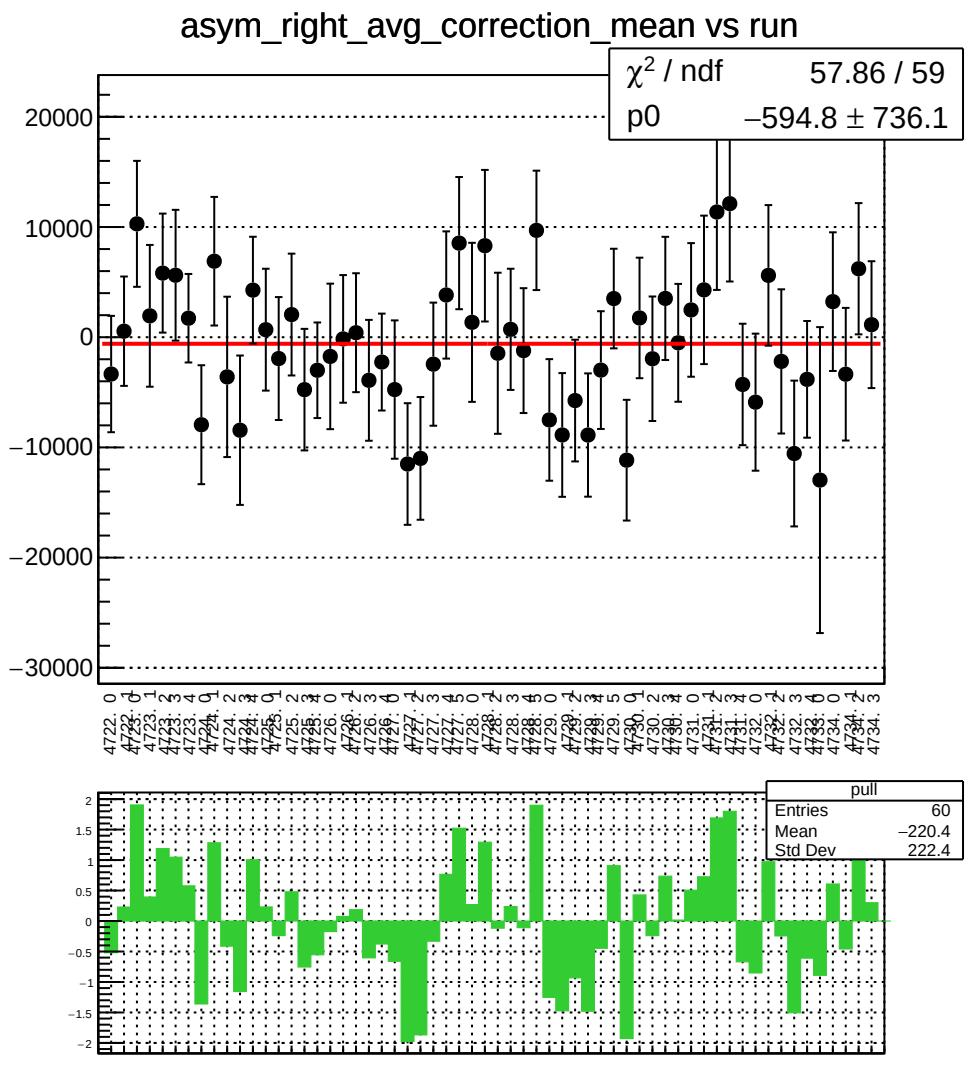

pull1D
Entries 60
Mean −0.01964
Std Dev 0.8456
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

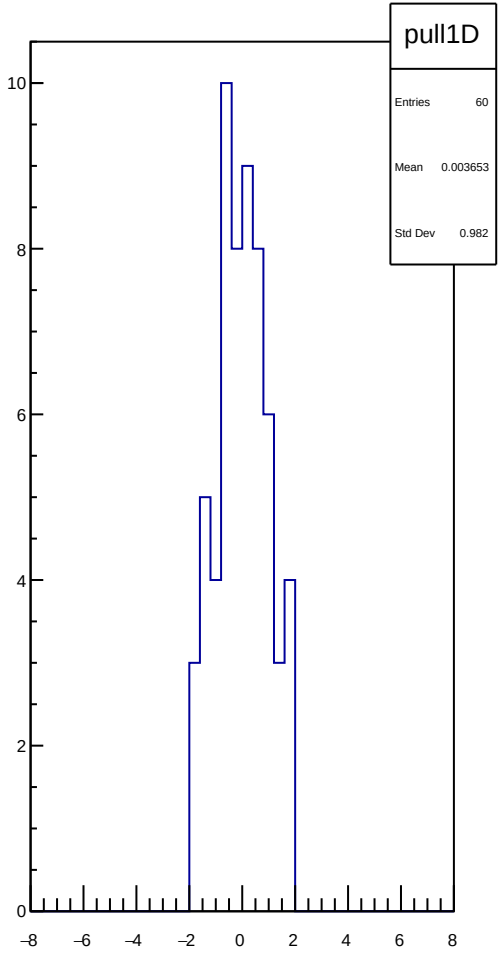

asym_left_dd_rms vs run
χ² / ndf 2310 / 59
p0 31.75 ± 0.02974
37
36
35
34
33
32
31
30
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

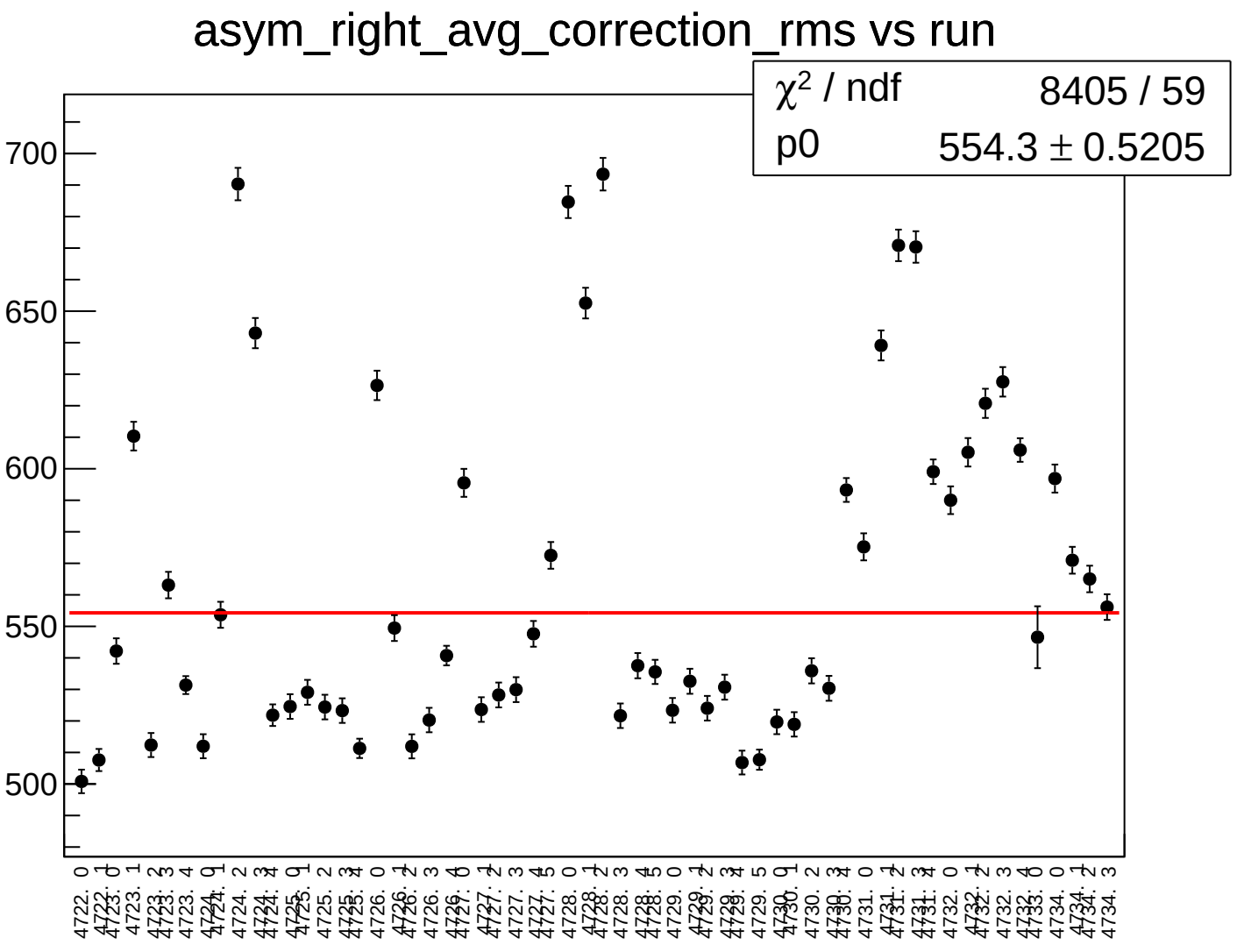

reg_asym_right_avg_mean vs run
χ² / ndf 62.88 / 59
p0 −245.4 ± 171.8
pull
Entries 60
Mean 80.41
Std Dev 49.96

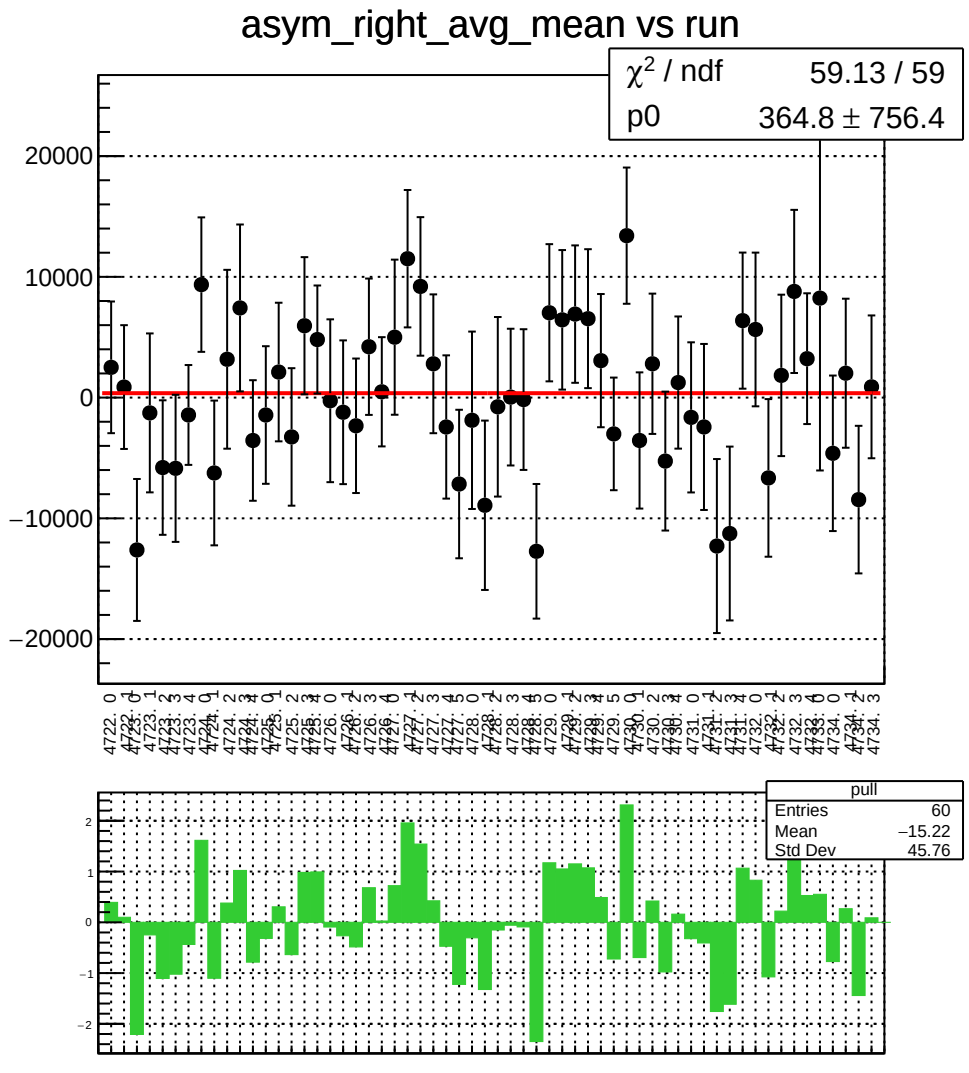

pull1D
Entries 60
Mean −0.02843
Std Dev 1.023

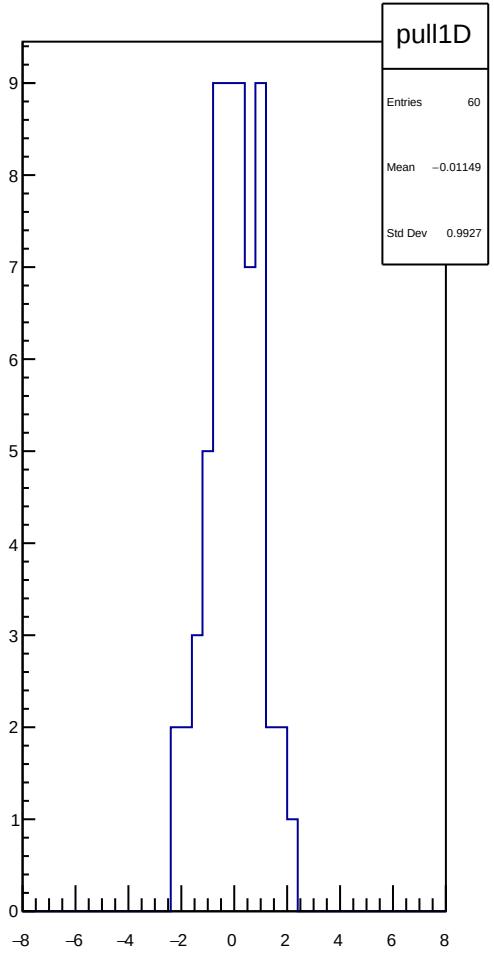

reg_asym_right_avg_rms vs run
χ² / ndf 60.41 / 59
p0 129.8 ± 0.1215
133
132
131
130
129
128
127
126
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

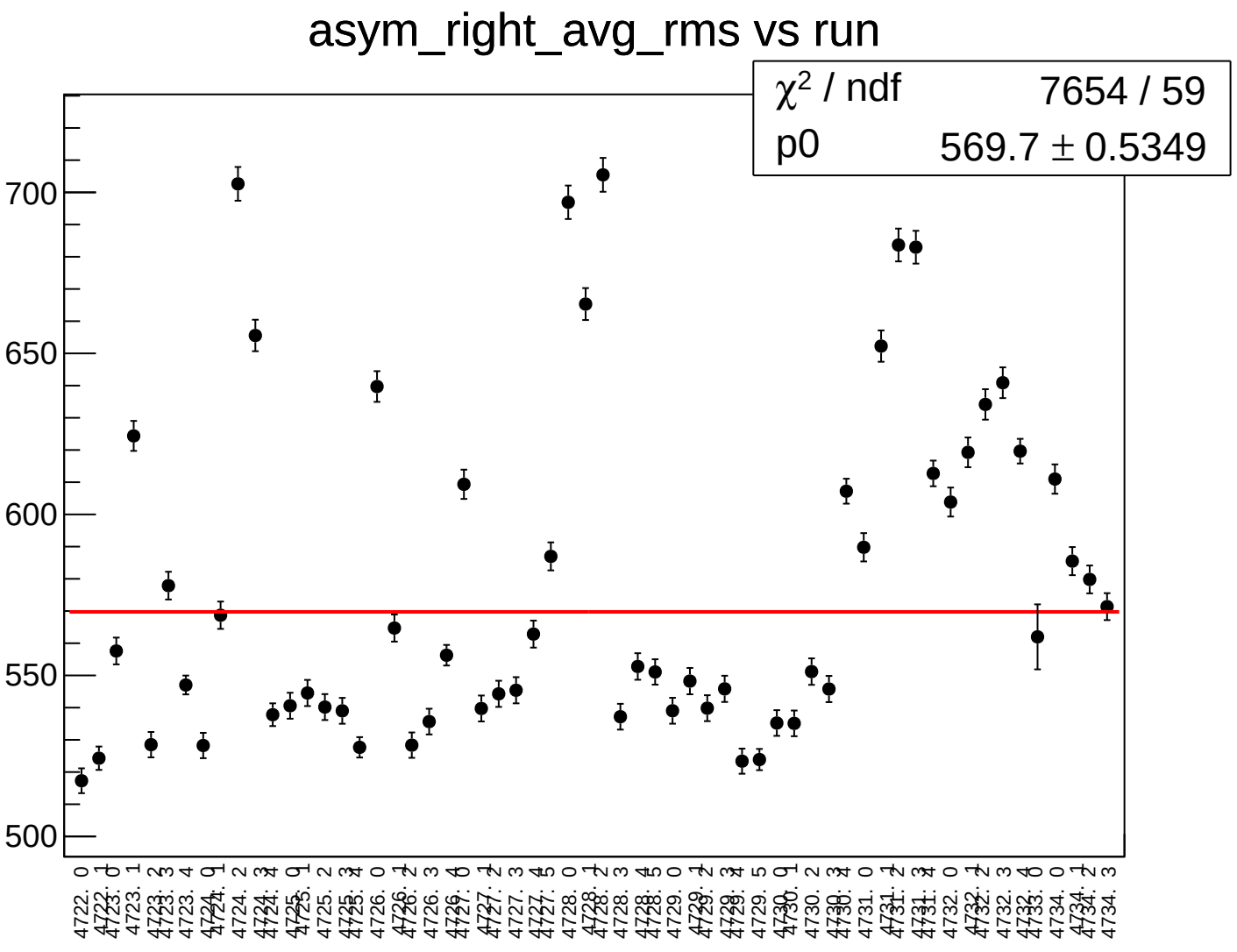

asym_right_avg_correction_mean vs run
χ² / ndf 57.86 / 59
p0 −594.8 ± 736.1
pull
Entries 60
Mean −220.4
Std Dev 222.4

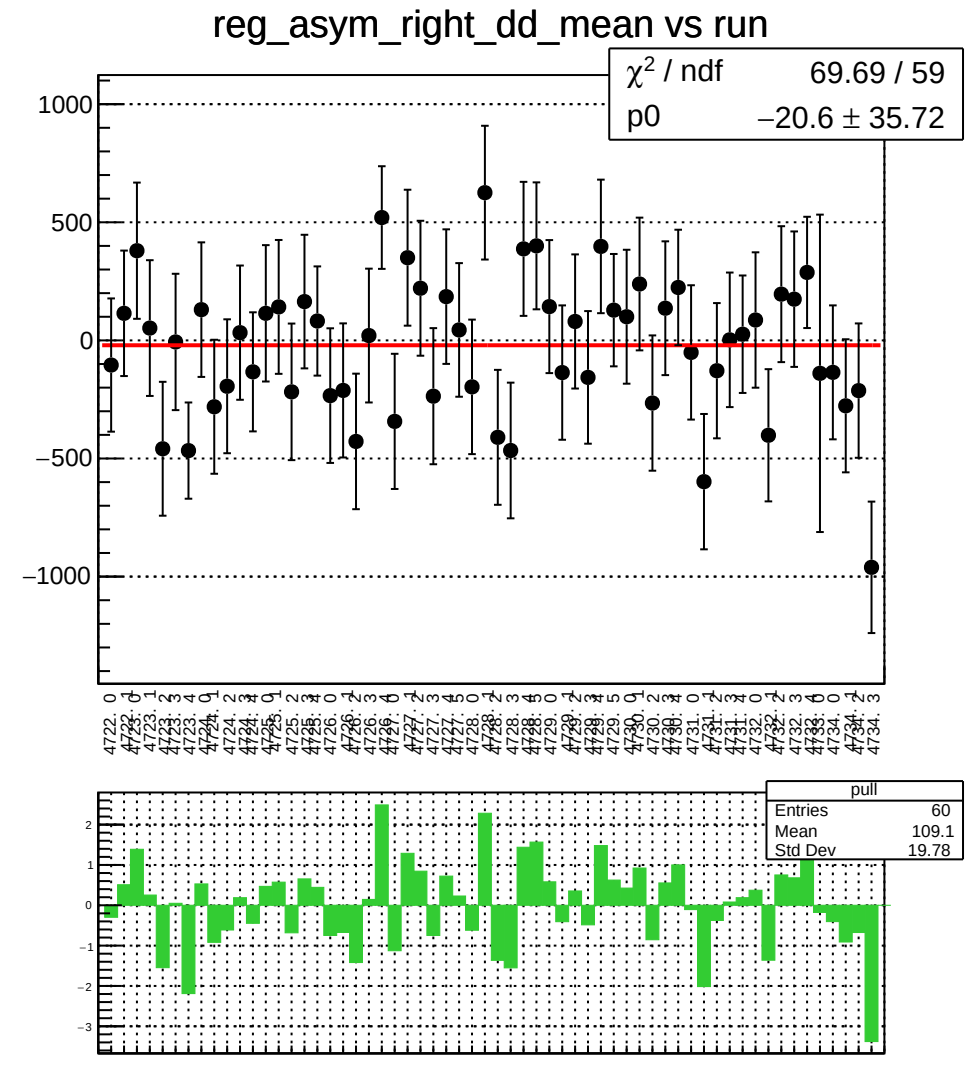

pull1D
Entries 60
Mean 0.003653
Std Dev 0.982

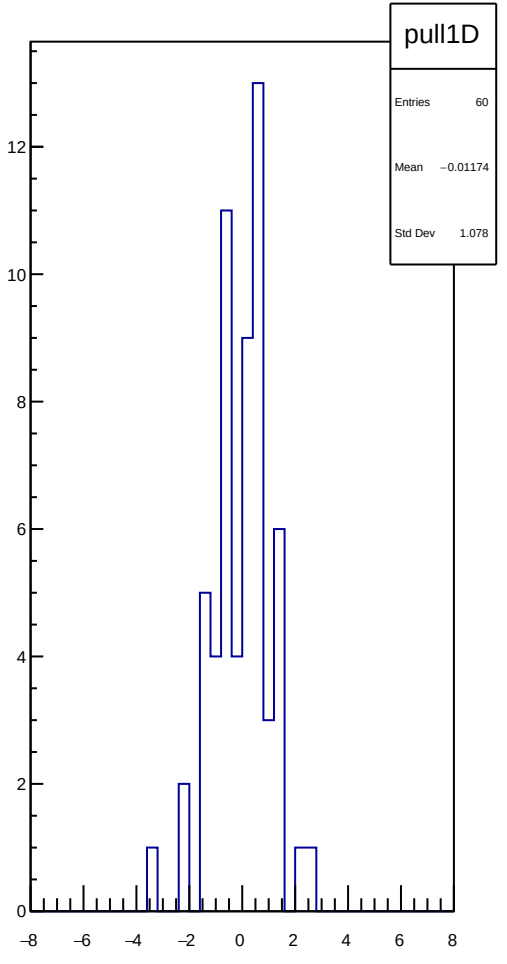

asym_right_avg_correction_rms vs run
χ² / ndf 8405 / 59
p0 554.3 ± 0.5205
700
650
600
550
500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

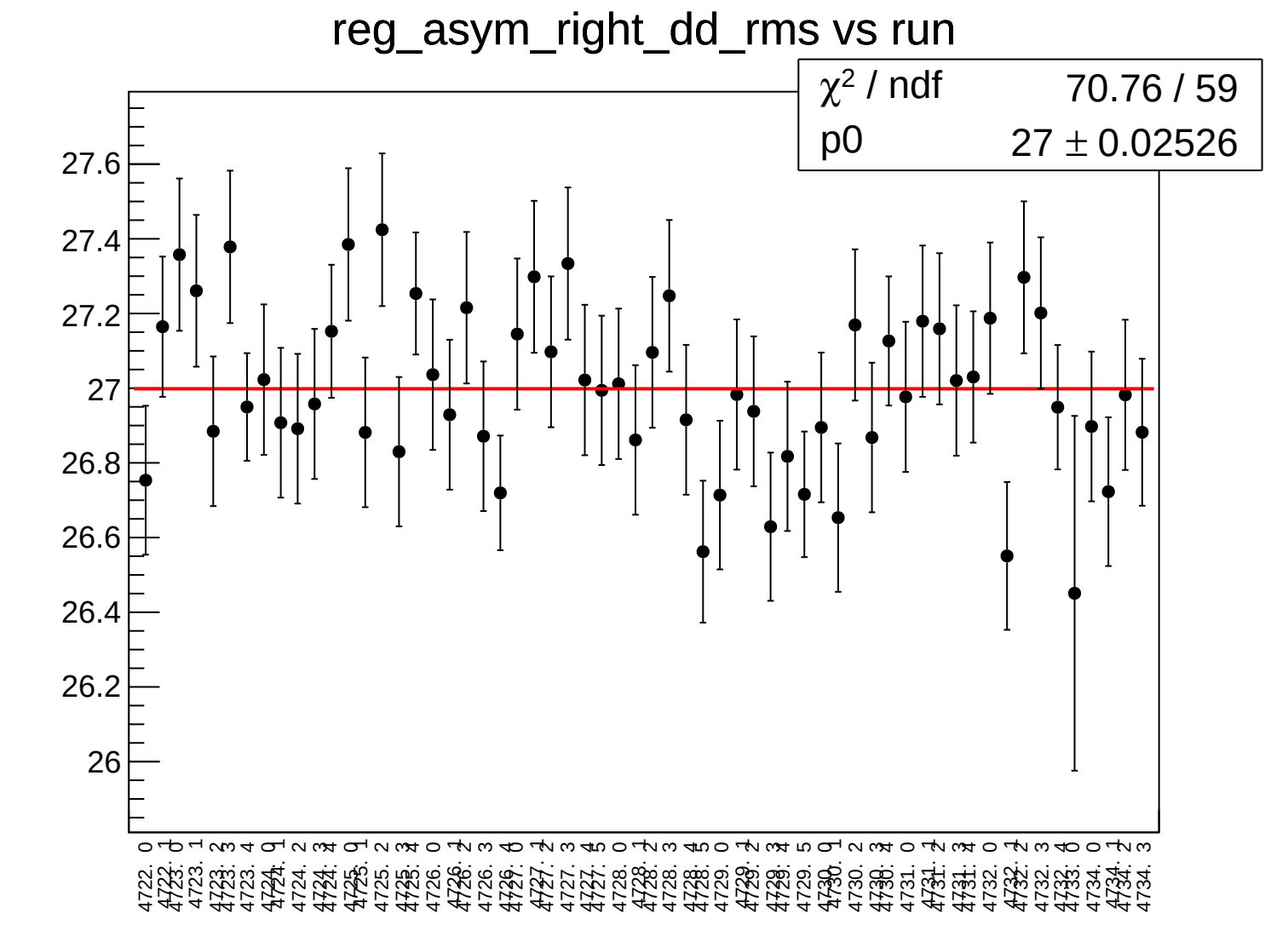

asym_right_avg_mean vs run
χ² / ndf 59.13 / 59
p0 364.8 ± 756.4
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −15.22
Std Dev 45.76
2
1
0
−1
−2

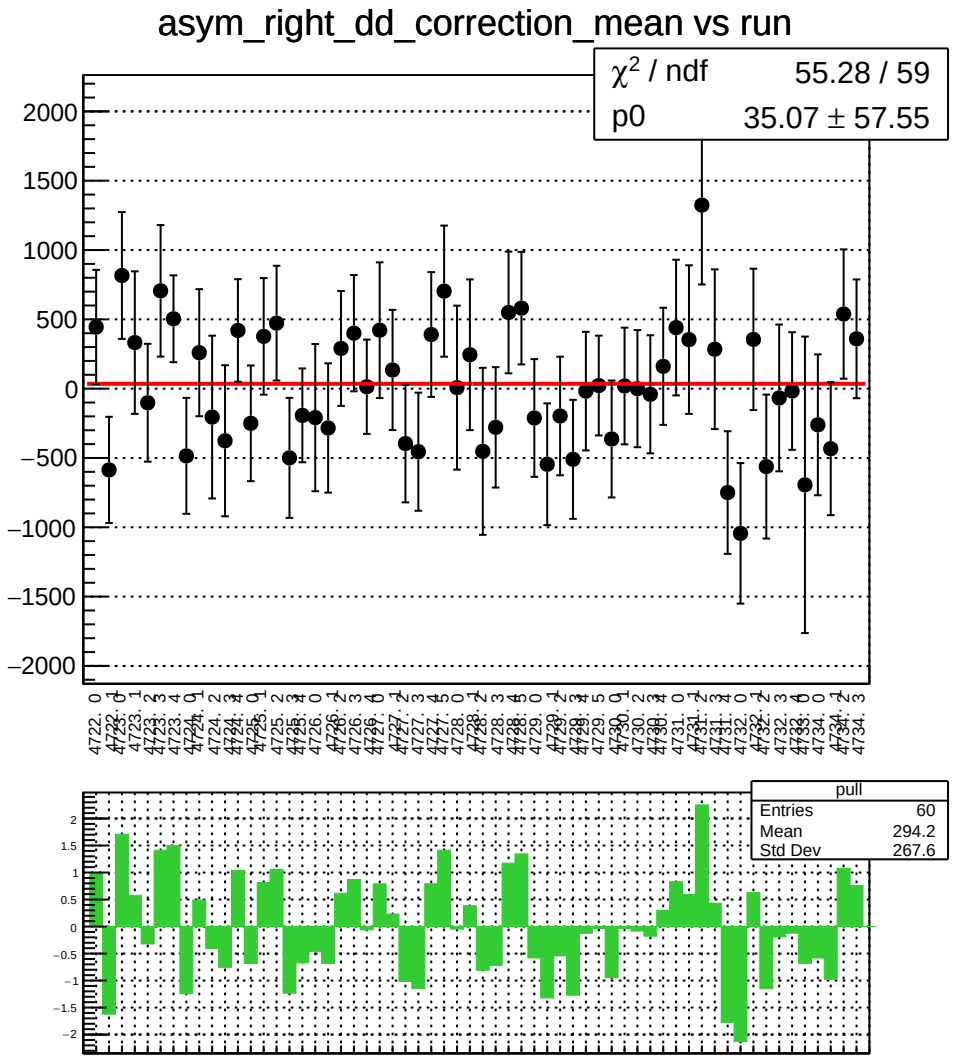

pull1D
Entries 60
Mean −0.01149
Std Dev 0.9927
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

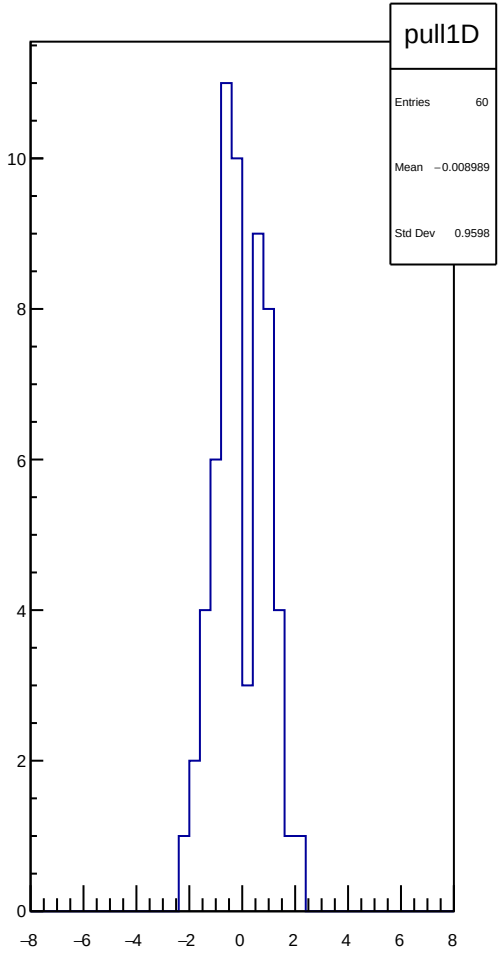

asym_right_avg_rms vs run
χ² / ndf 7654 / 59
p0 569.7 ± 0.5349
700
650
600
550
500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

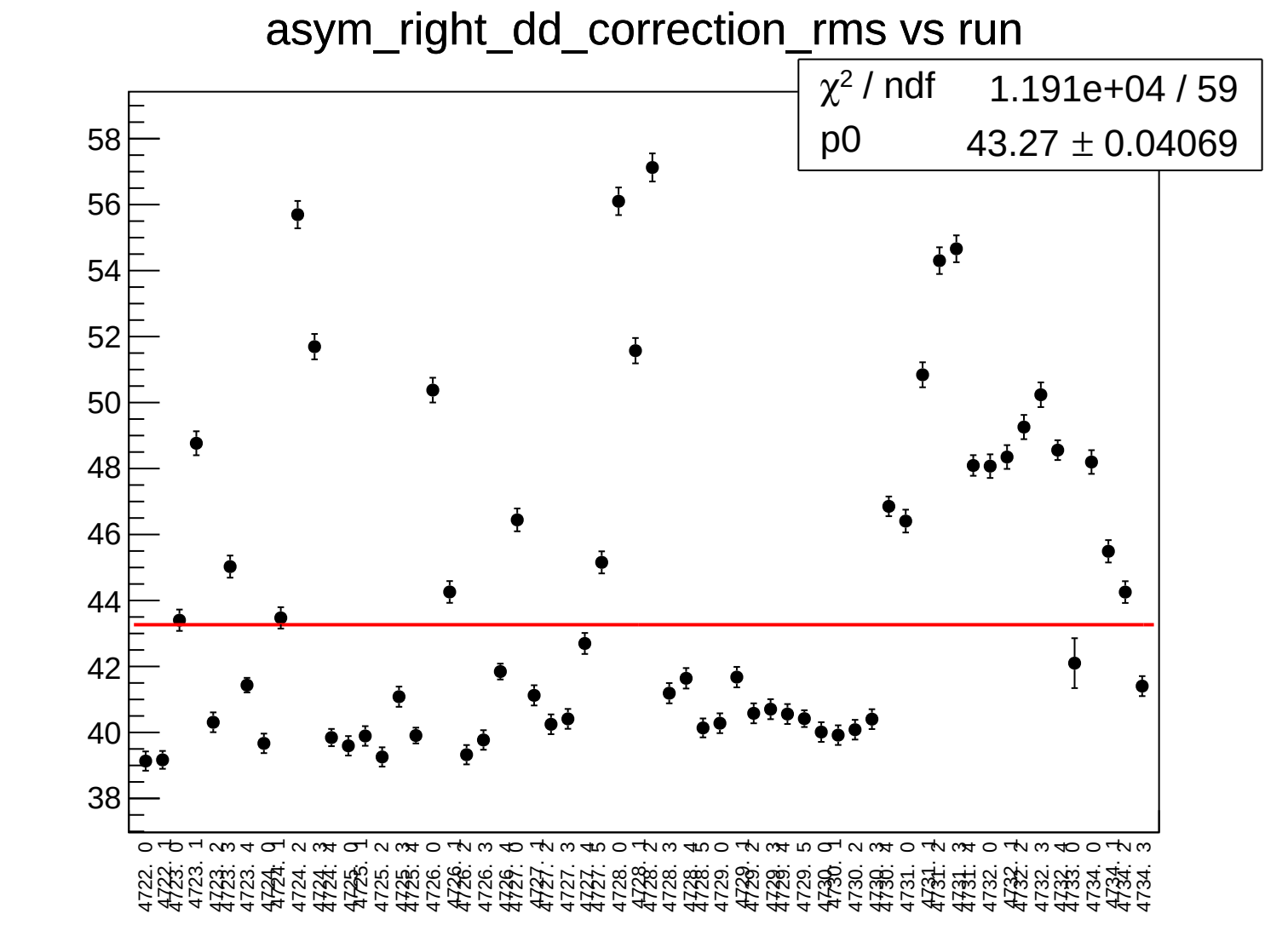

reg_asym_right_dd_mean vs run
χ^2 / ndf 69.69 / 59
p0 −20.6 ± 35.72
1000
500
0
−500
−1000
pull
Entries 60
Mean 109.1
Std Dev 19.78
2
1
0
−1
−2
−3

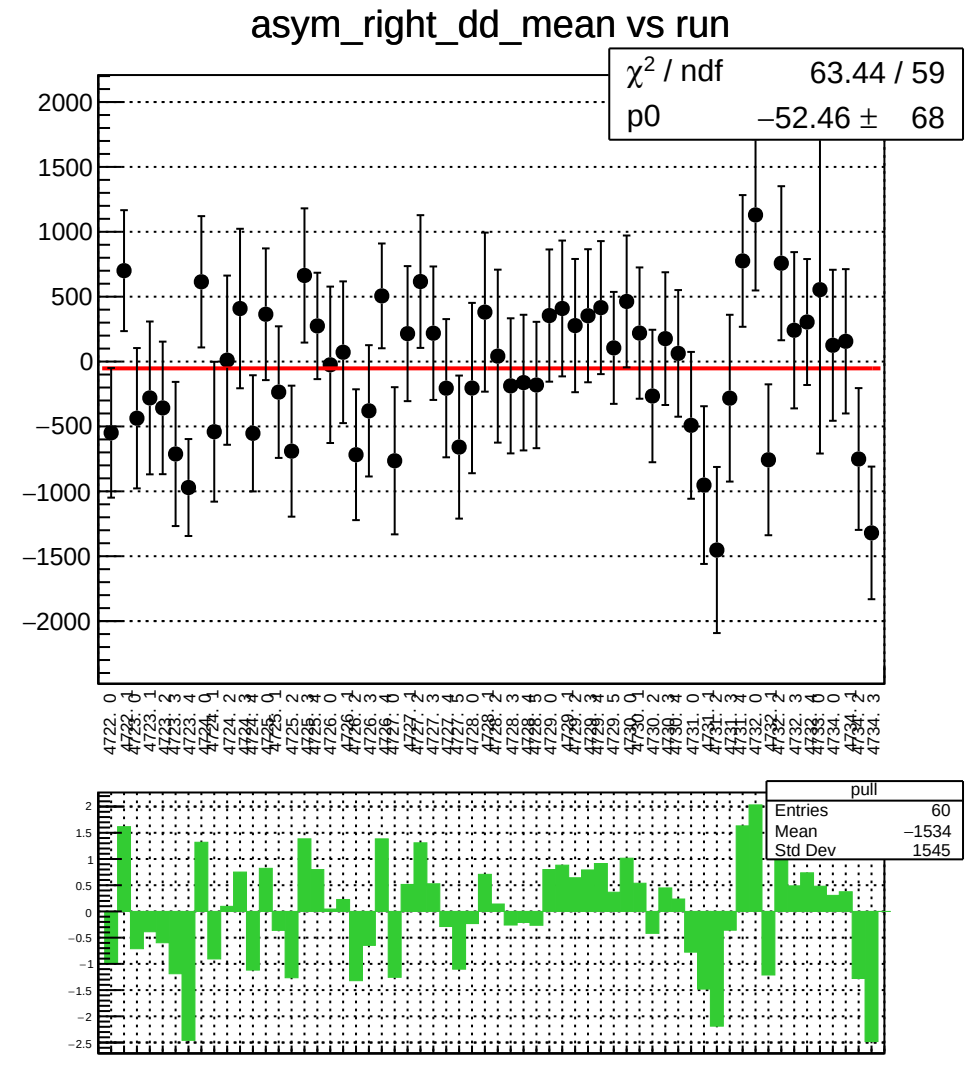

pull1D
Entries 60
Mean −0.01174
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

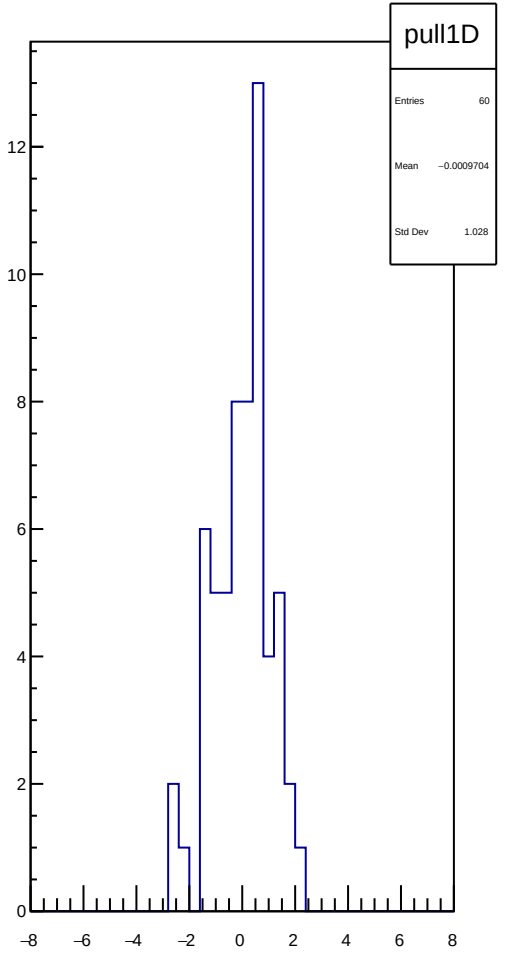

reg_asym_right_dd_rms vs run
χ² / ndf 70.76 / 59
p0 27 ± 0.02526
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
26

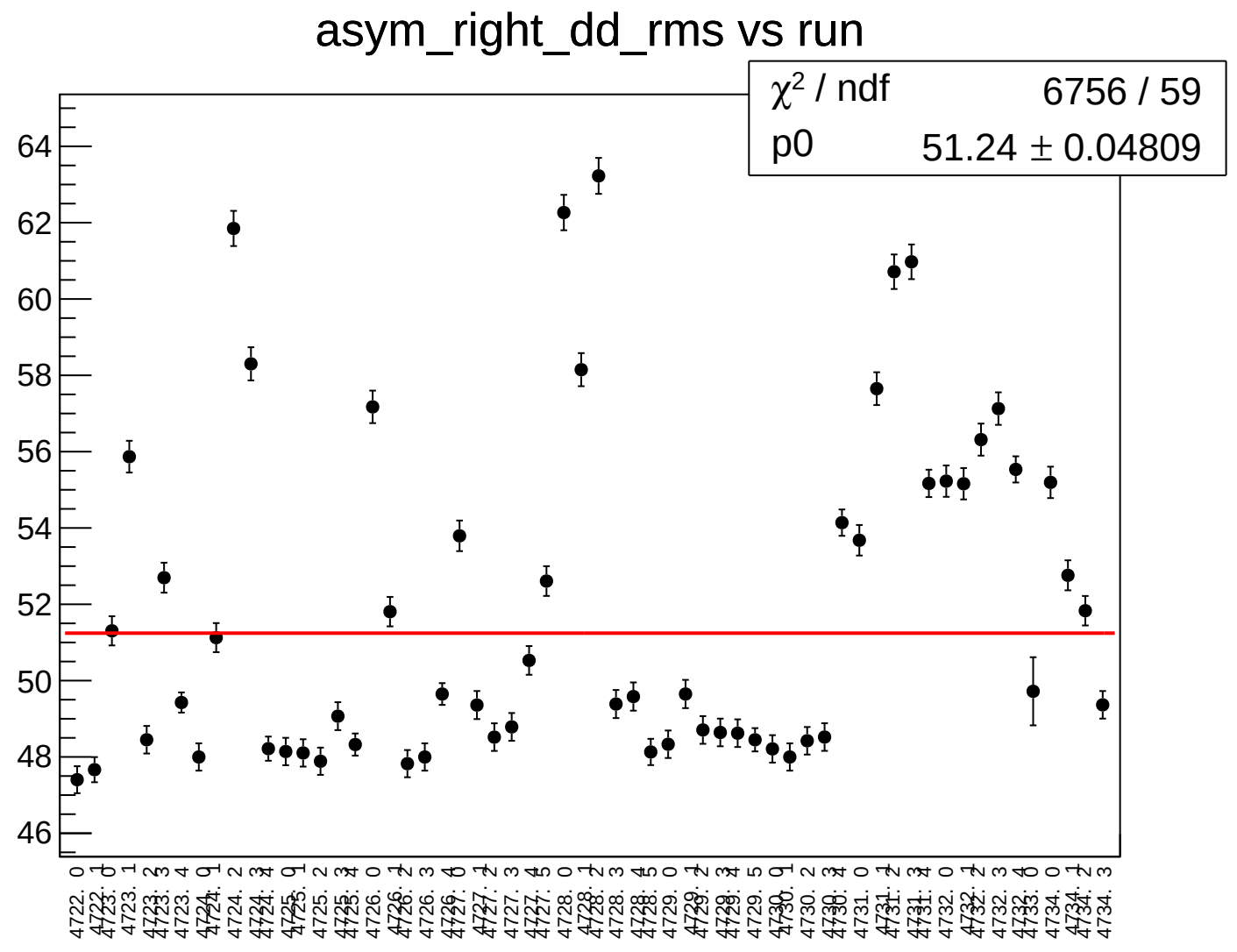

asym_right_dd_correction_mean vs run
χ² / ndf 55.28 / 59
p0 35.07 ± 57.55
pull
Entries 60
Mean 294.2
Std Dev 267.6

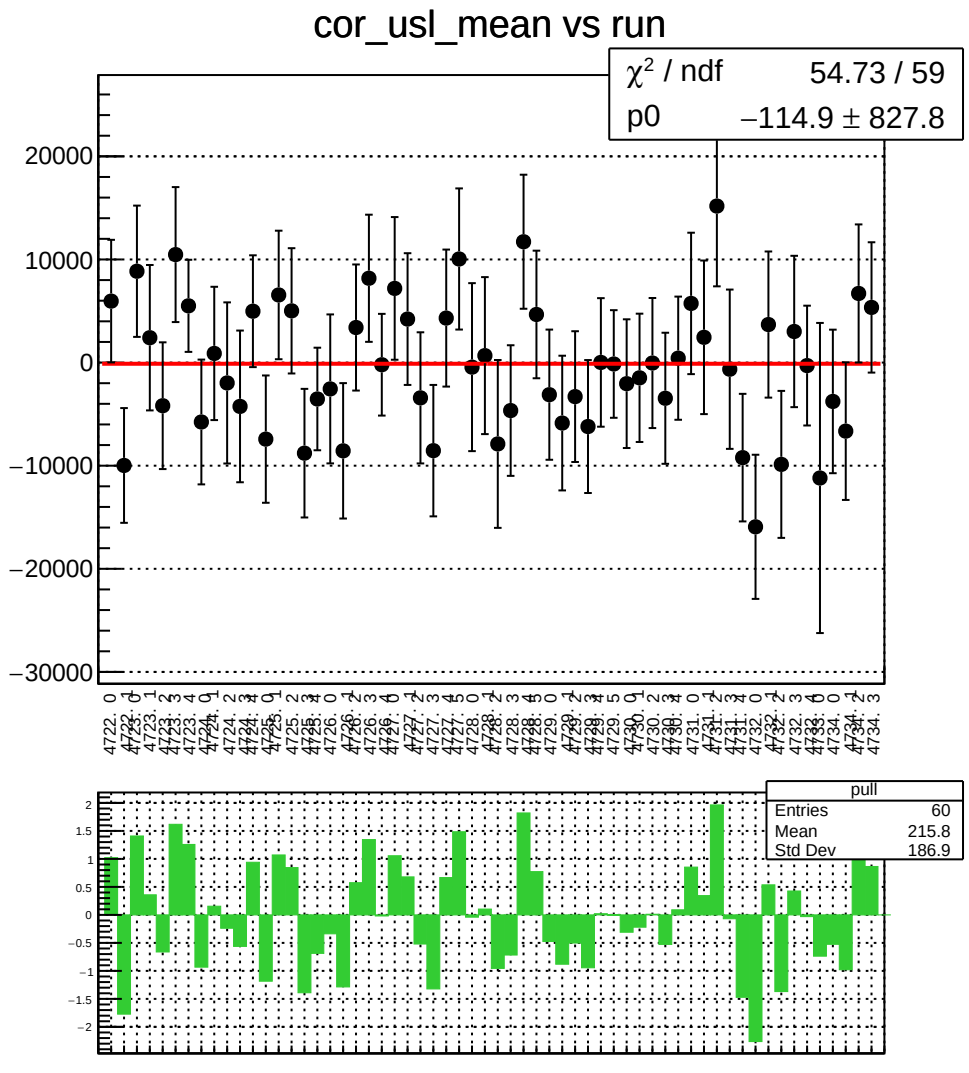

pull1D
Entries 60
Mean −0.008989
Std Dev 0.9598

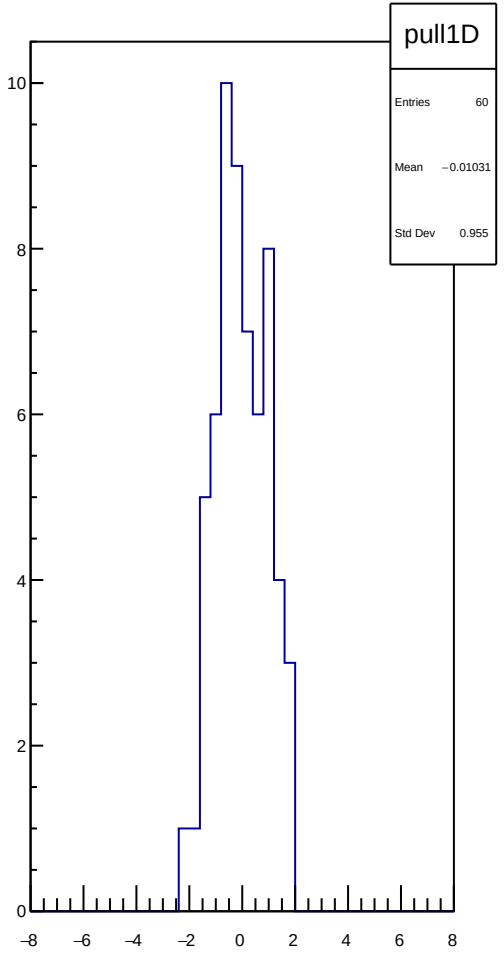

asym_right_dd_correction_rms vs run
χ² / ndf 1.191e+04 / 59
p0 43.27 ± 0.04069
58
56
54
52
50
48
46
44
42
40
38
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

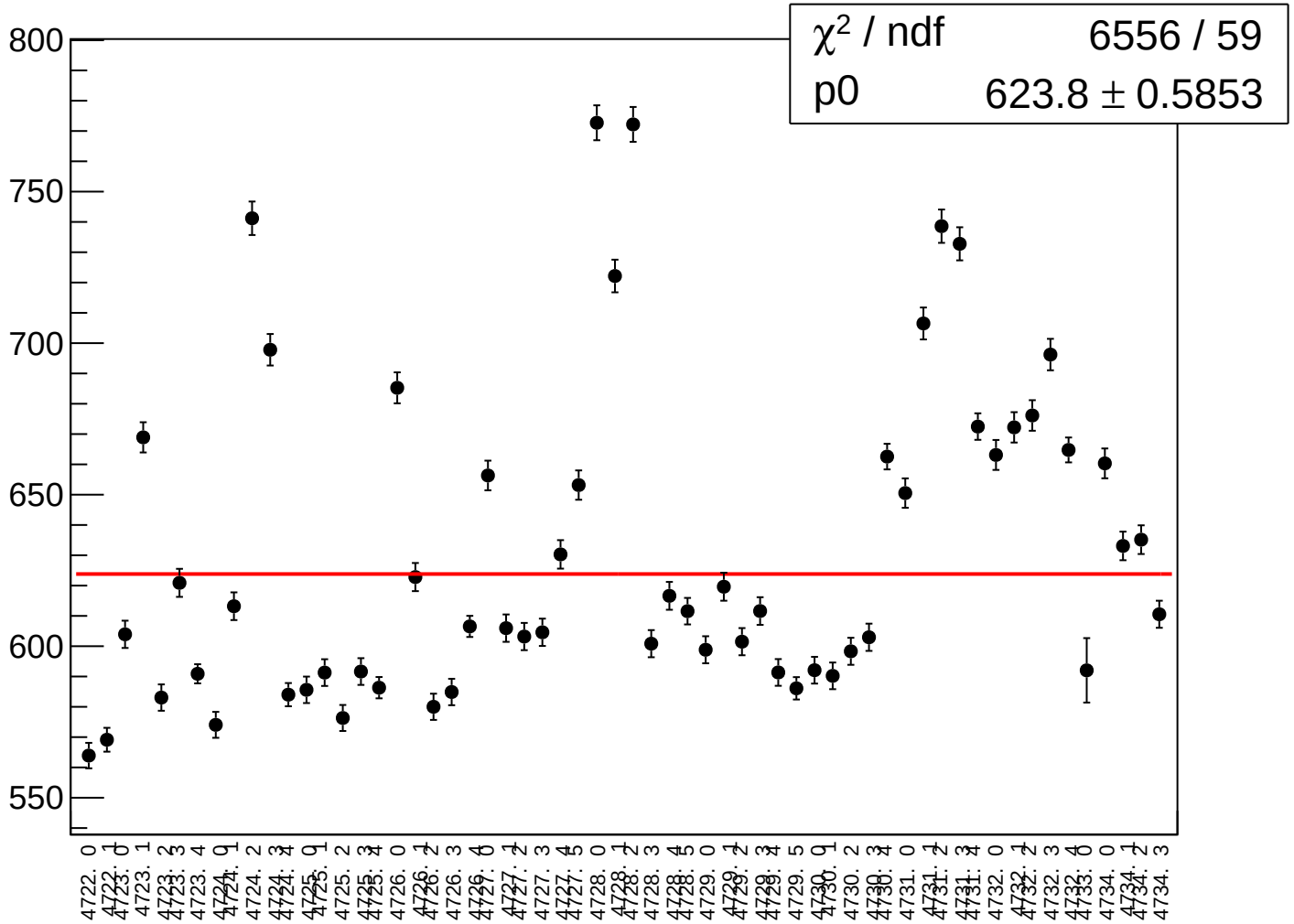

asym_right_dd_mean vs run
χ² / ndf 63.44 / 59
p0 −52.46 ± 68
pull
Entries 60
Mean −1534
Std Dev 1545

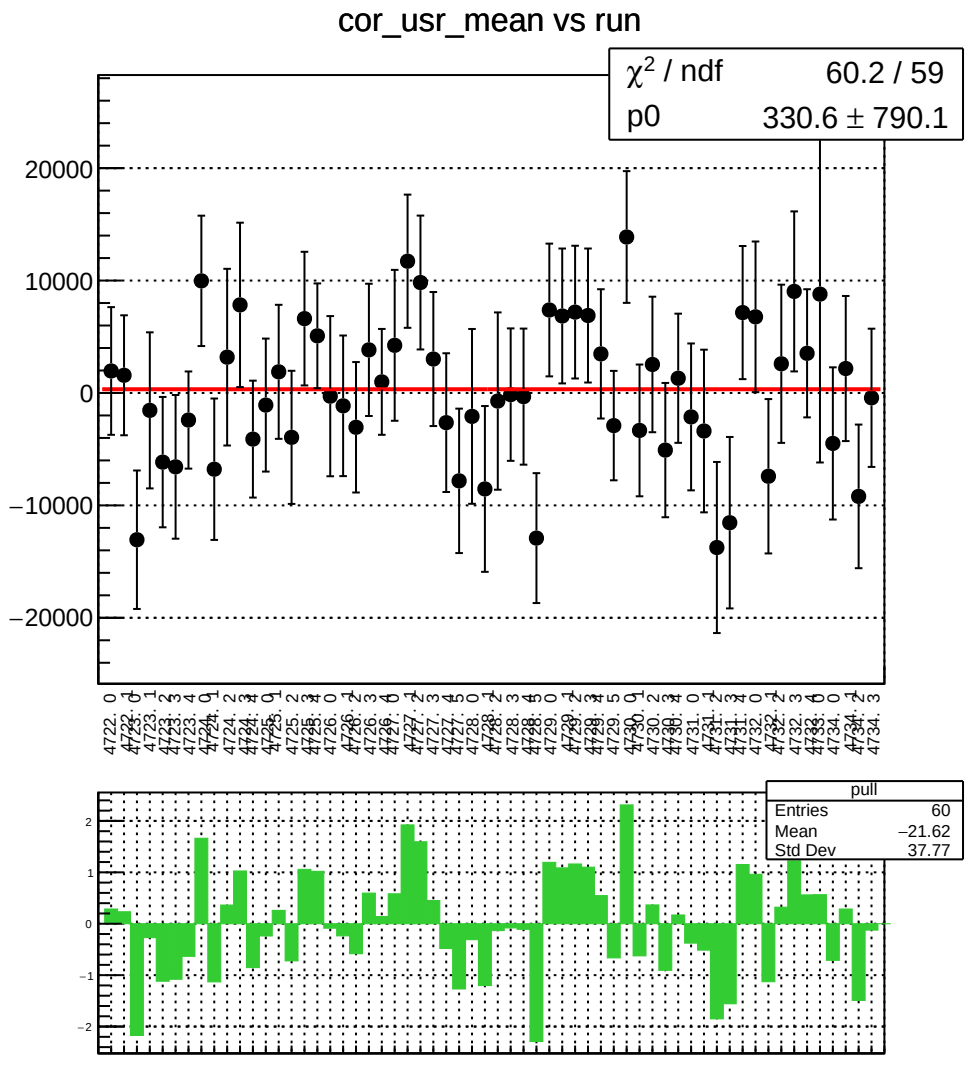

pull1D
Entries 60
Mean −0.0009704
Std Dev 1.028

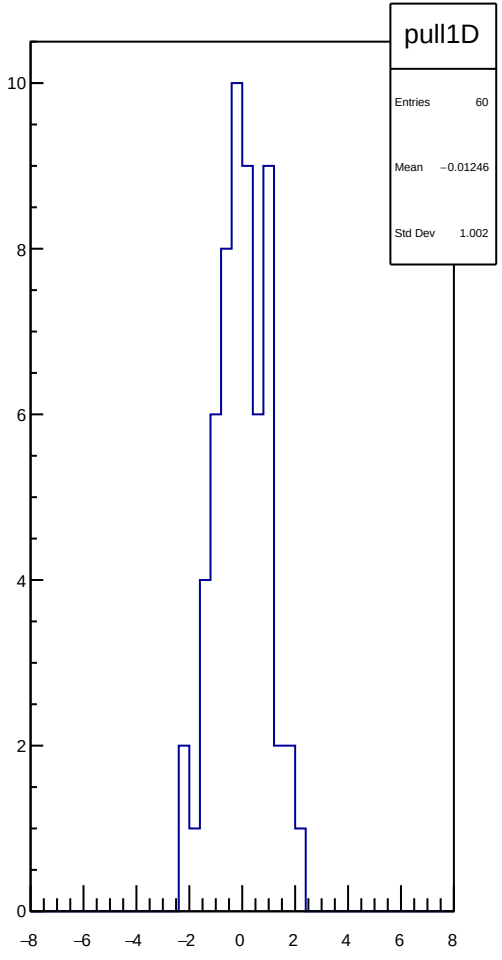

asym_right_dd_rms vs run
χ^2 / ndf 6756 / 59
p0 51.24 ± 0.04809
64
62
60
58
56
54
52
50
48
46
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

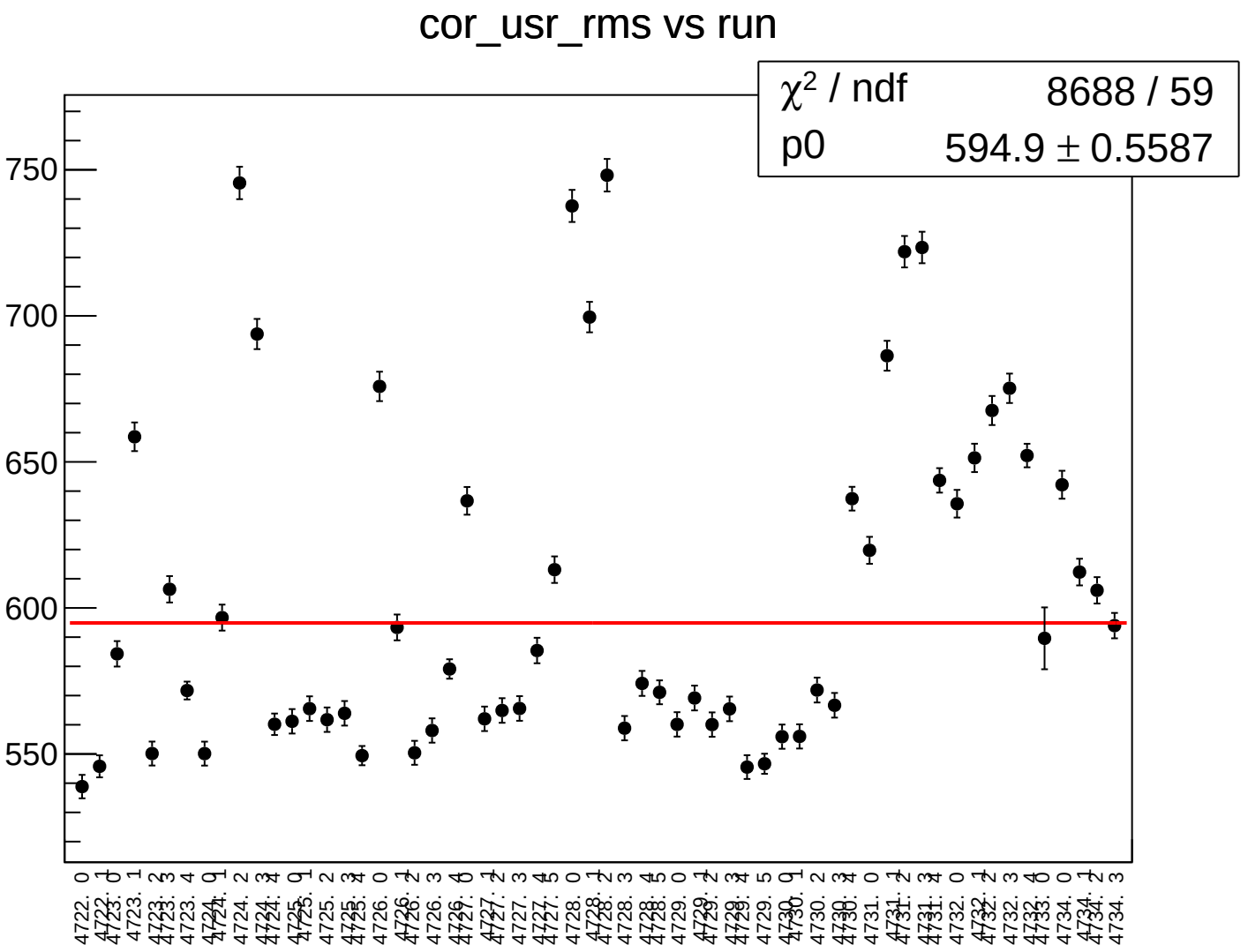

cor_usl_mean vs run
χ² / ndf 54.73 / 59
p0 −114.9 ± 827.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 215.8
Std Dev 186.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

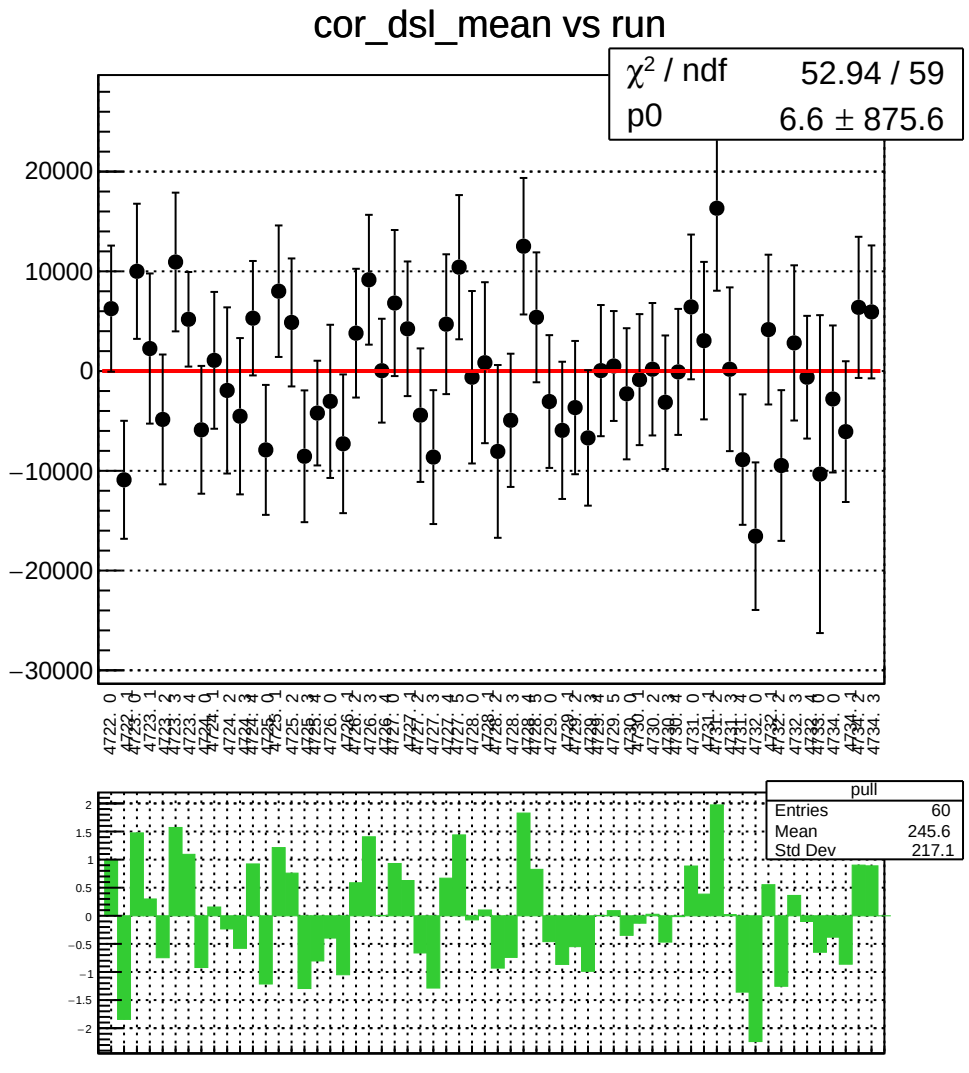

pull1D
Entries 60
Mean −0.01031
Std Dev 0.955
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

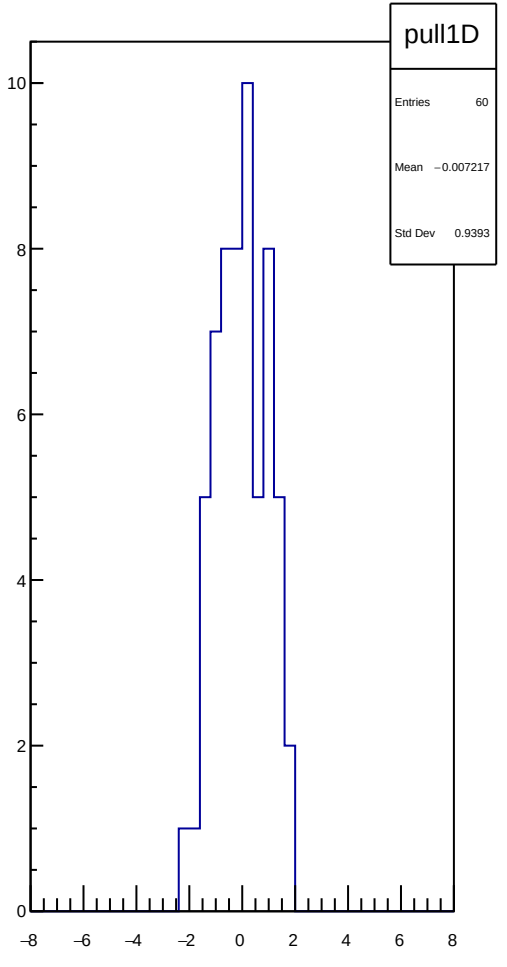

cor_usl_rms vs run
χ² / ndf 6556 / 59
p0 623.8 ± 0.5853
800
750
700
650
600
550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

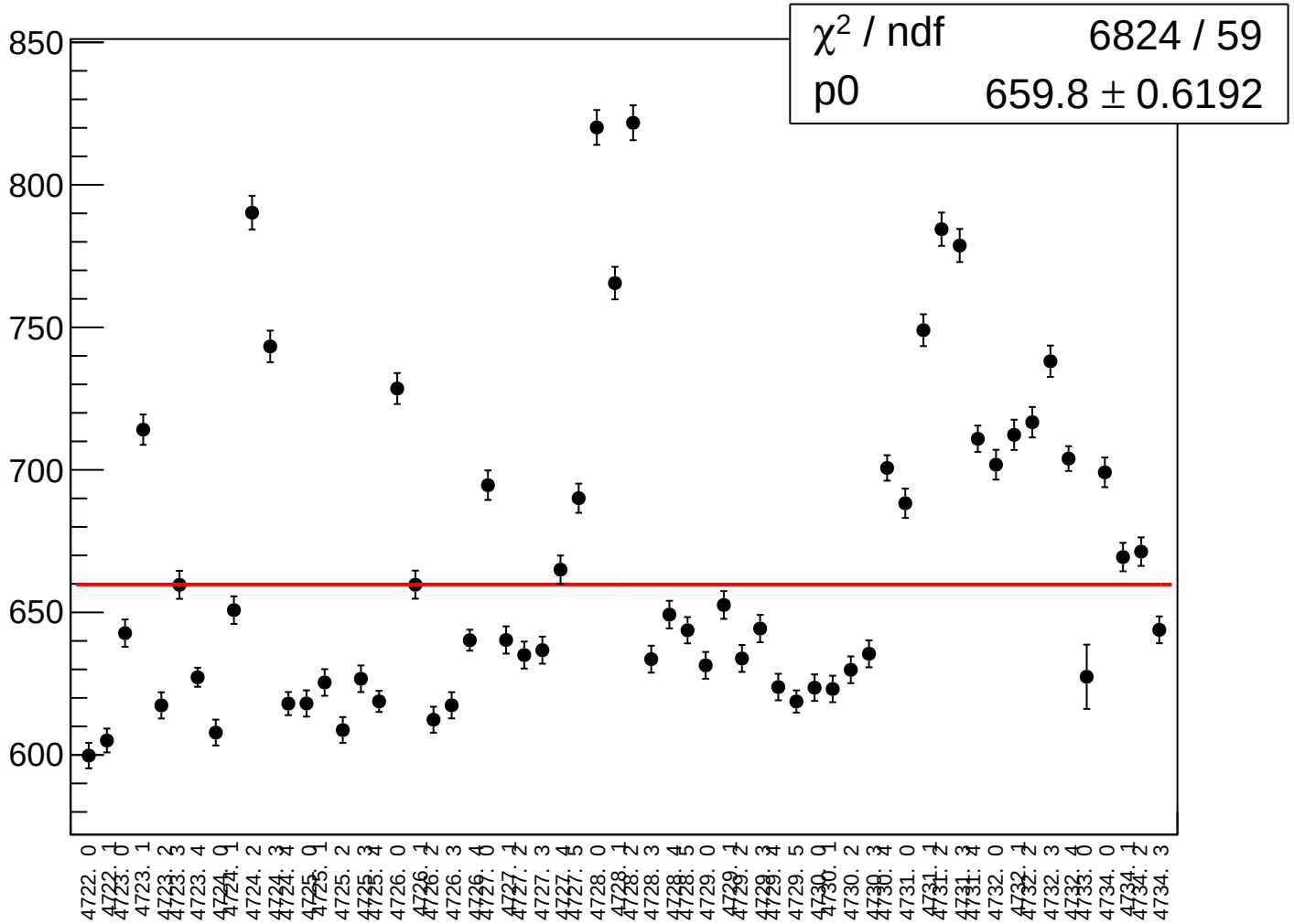

cor_usr_mean vs run
χ² / ndf 60.2 / 59
p0 330.6 ± 790.1
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −21.62
Std Dev 37.77
2
1
0
−1
−2

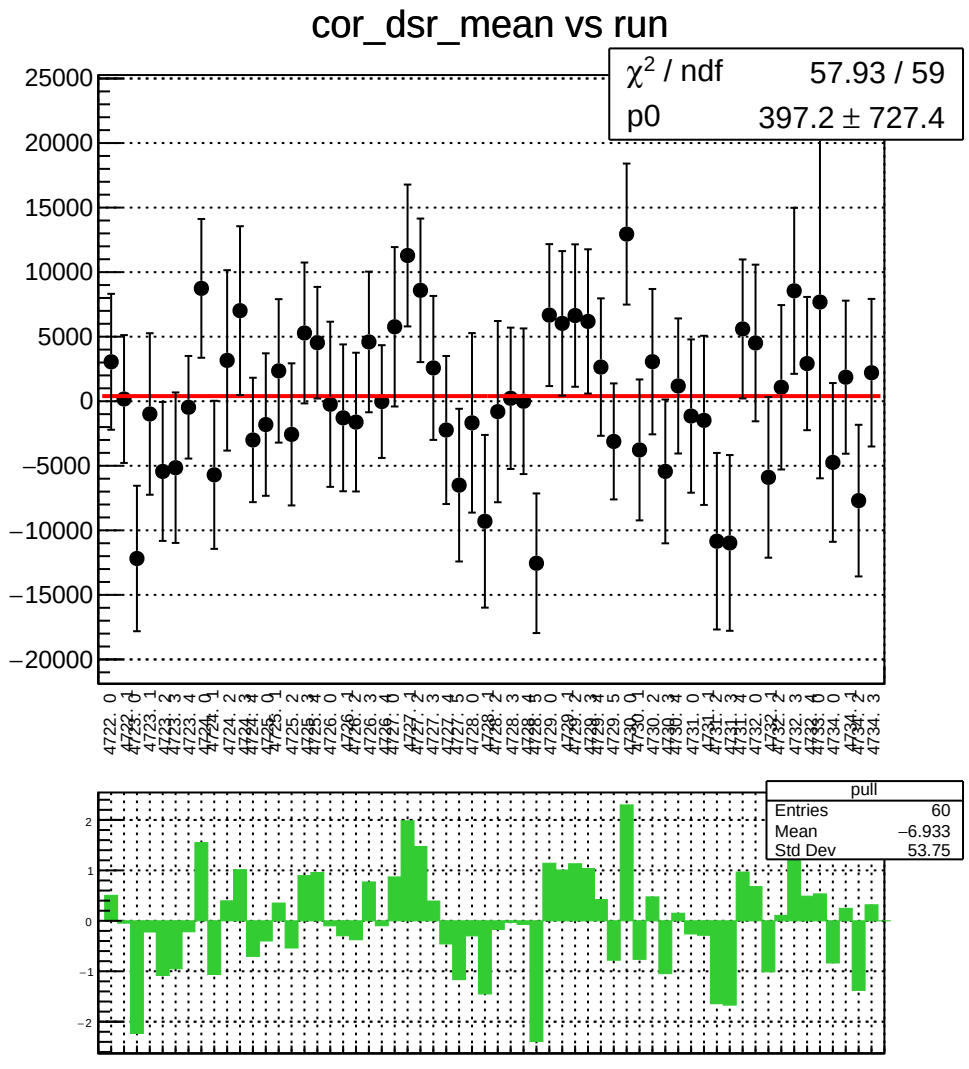

pull1D
Entries 60
Mean −0.01246
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

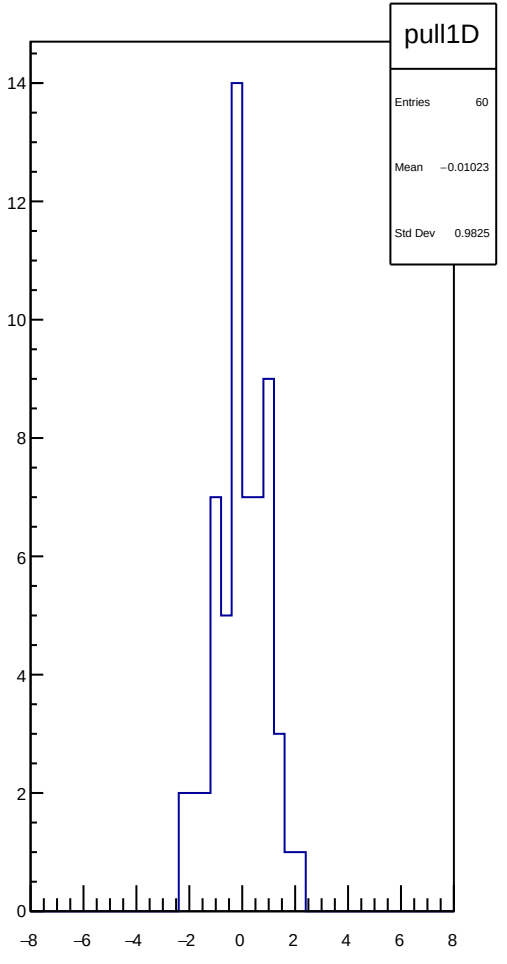

cor_usr_rms vs run
χ² / ndf 8688 / 59
p0 594.9 ± 0.5587
750
700
650
600
550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

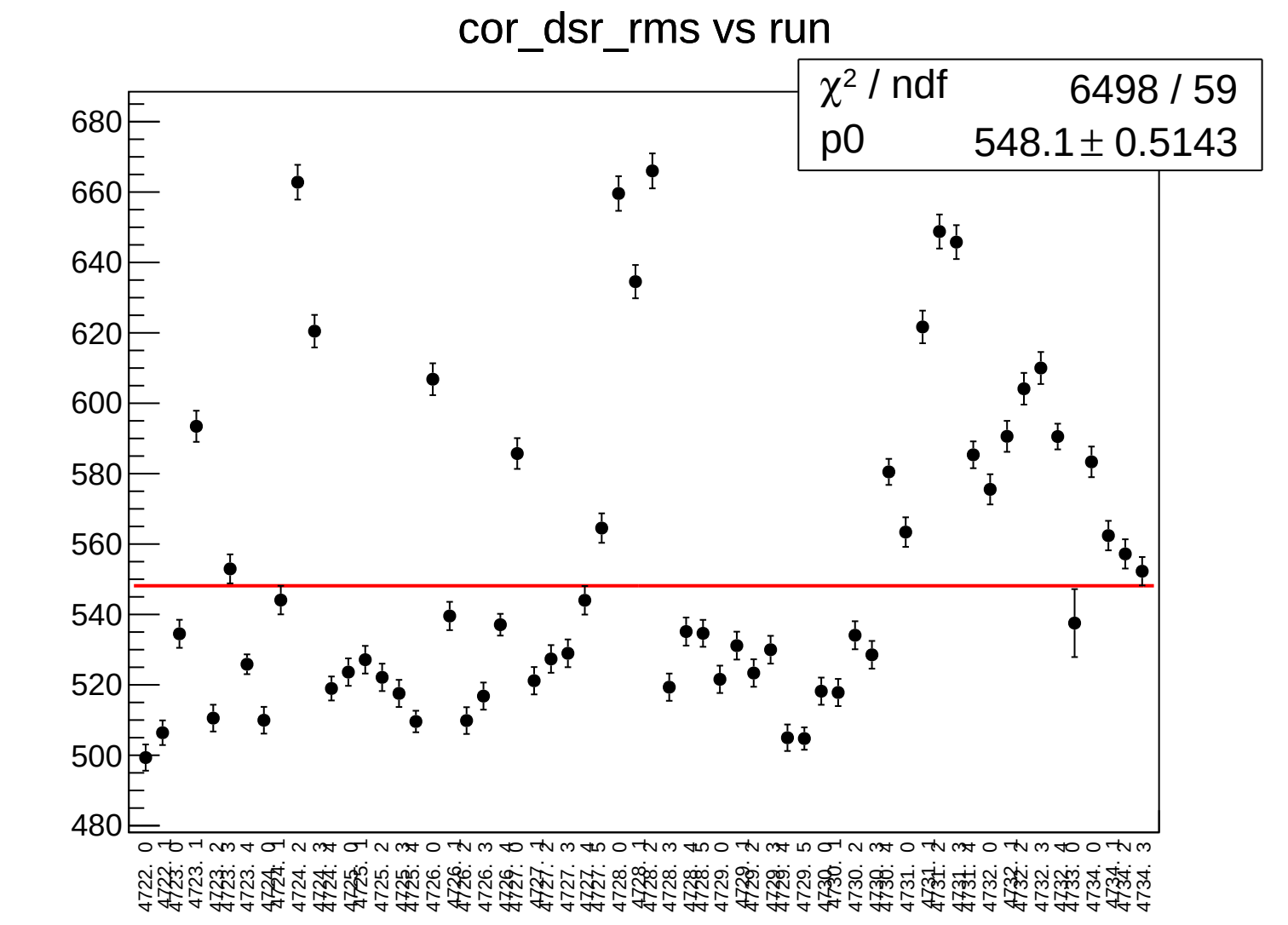

cor_dsl_mean vs run
χ² / ndf 52.94 / 59
p0 6.6 ± 875.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 245.6
Std Dev 217.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

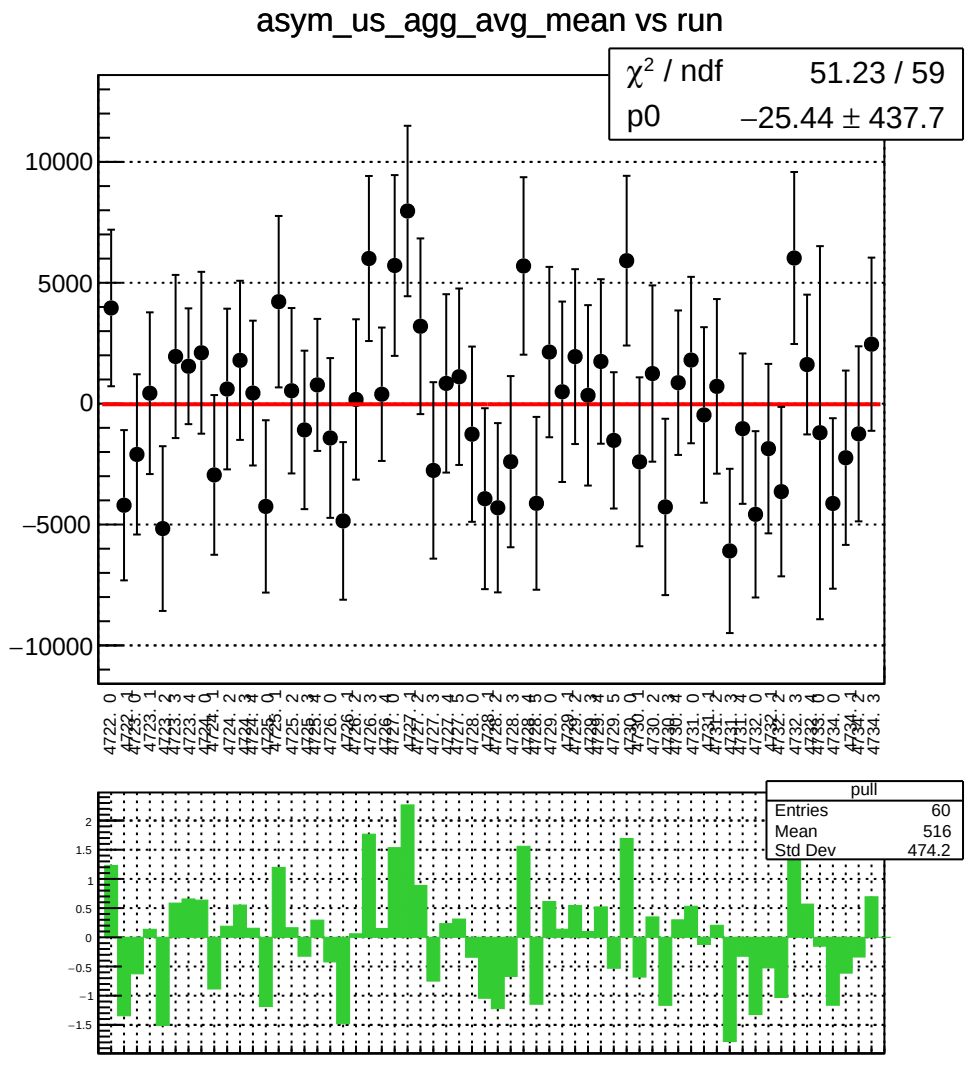

pull1D
Entries 60
Mean −0.007217
Std Dev 0.9393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

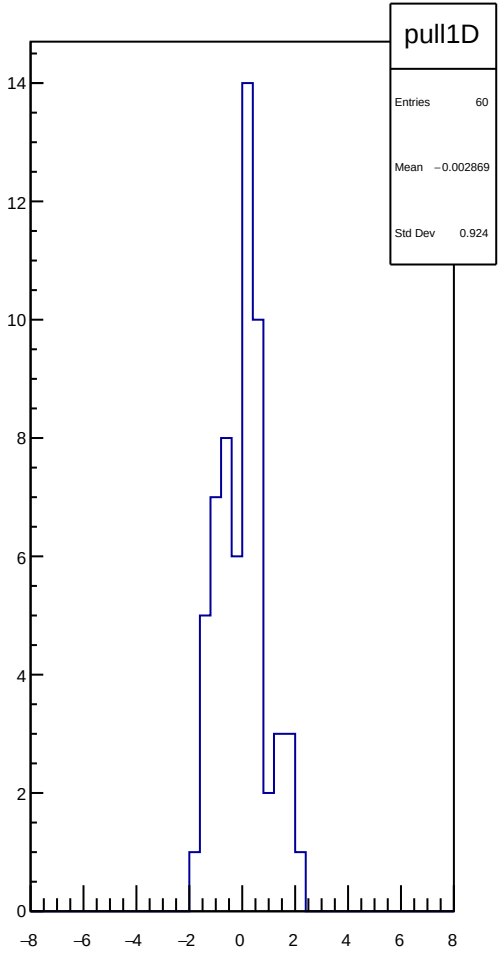

cor_dsl_rms vs run
χ² / ndf 6824 / 59
p0 659.8 ± 0.6192
850
800
750
700
650
600

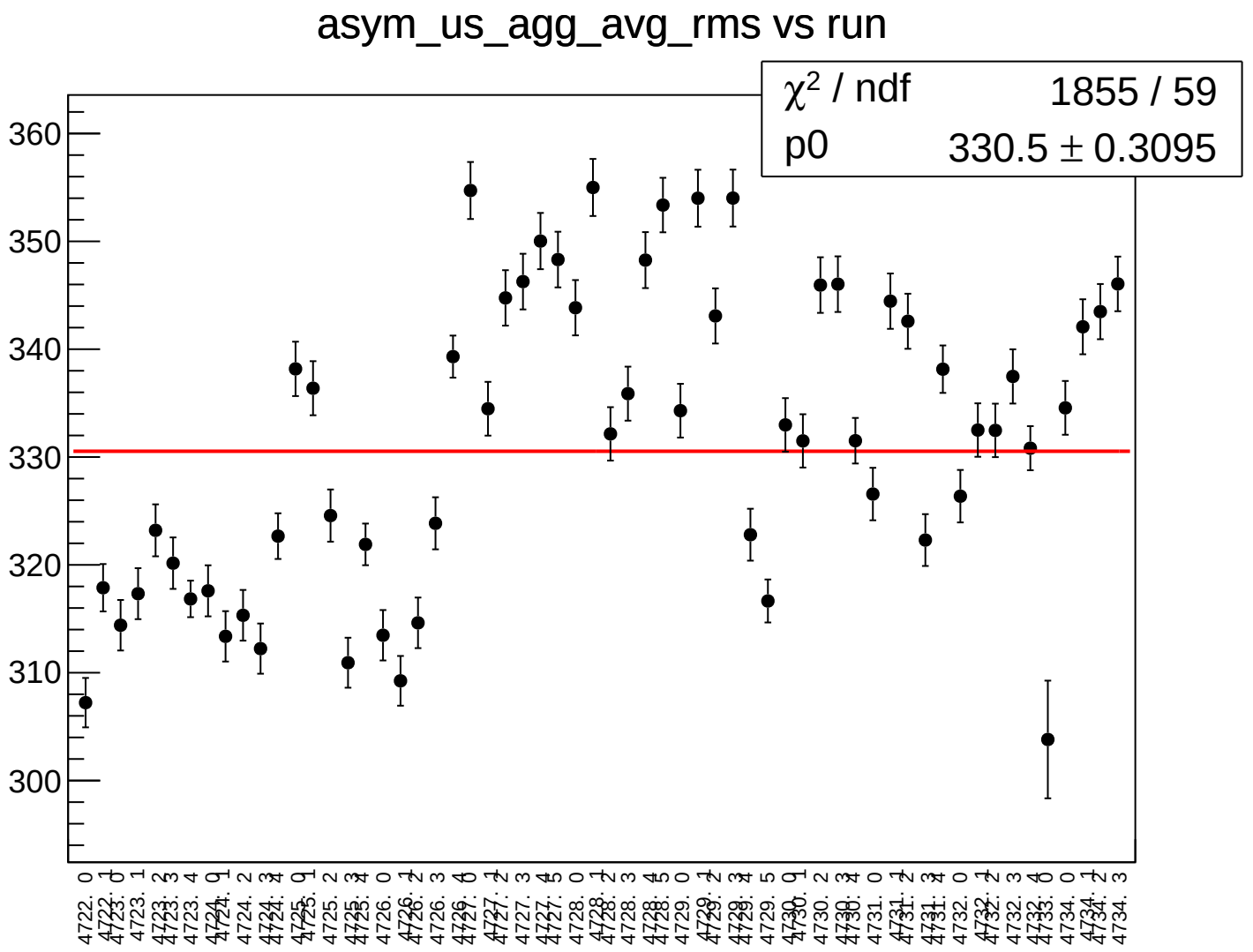

cor_dsr_mean vs run
χ² / ndf 57.93 / 59
p0 397.2 ± 727.4
pull
Entries 60
Mean −6.933
Std Dev 53.75

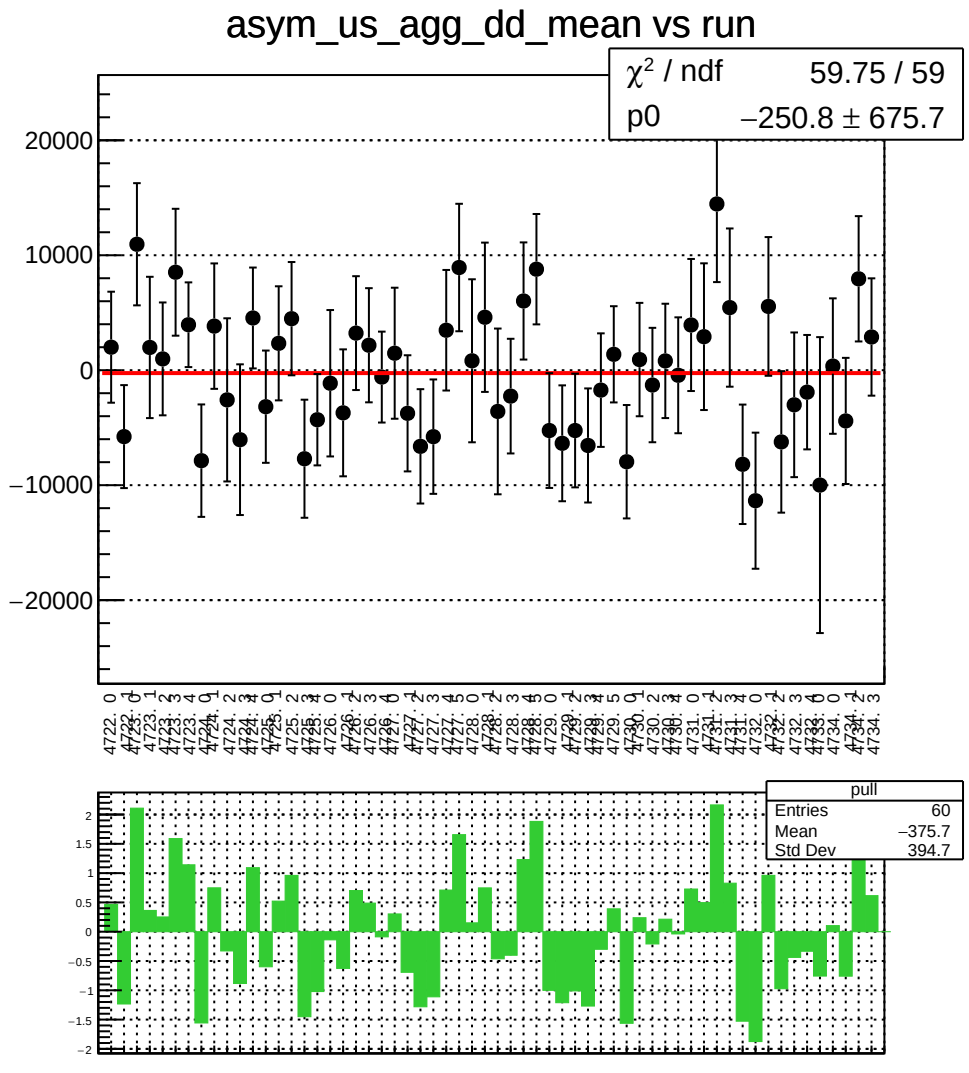

pull1D
Entries 60
Mean −0.01023
Std Dev 0.9825

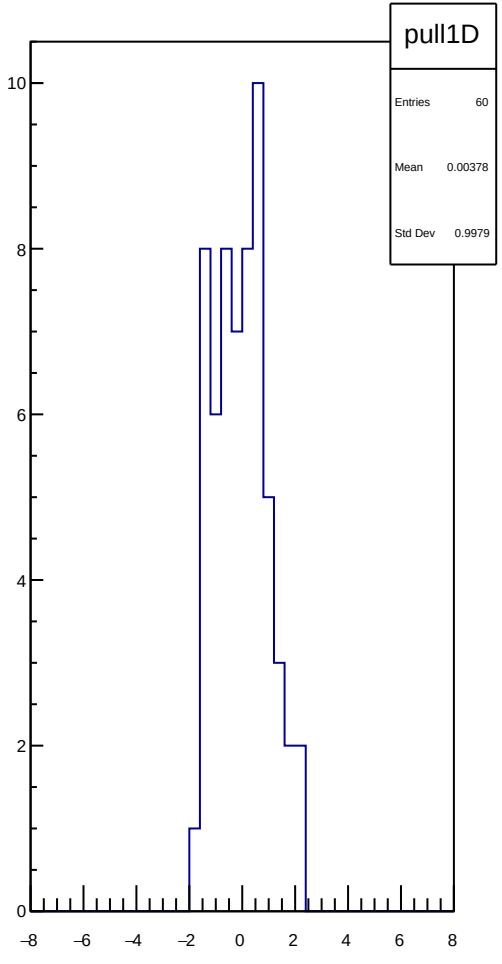

cor_dsr_rms vs run
χ² / ndf 6498 / 59
p0 548.1 ± 0.5143
680
660
640
620
600
580
560
540
520
500
480
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

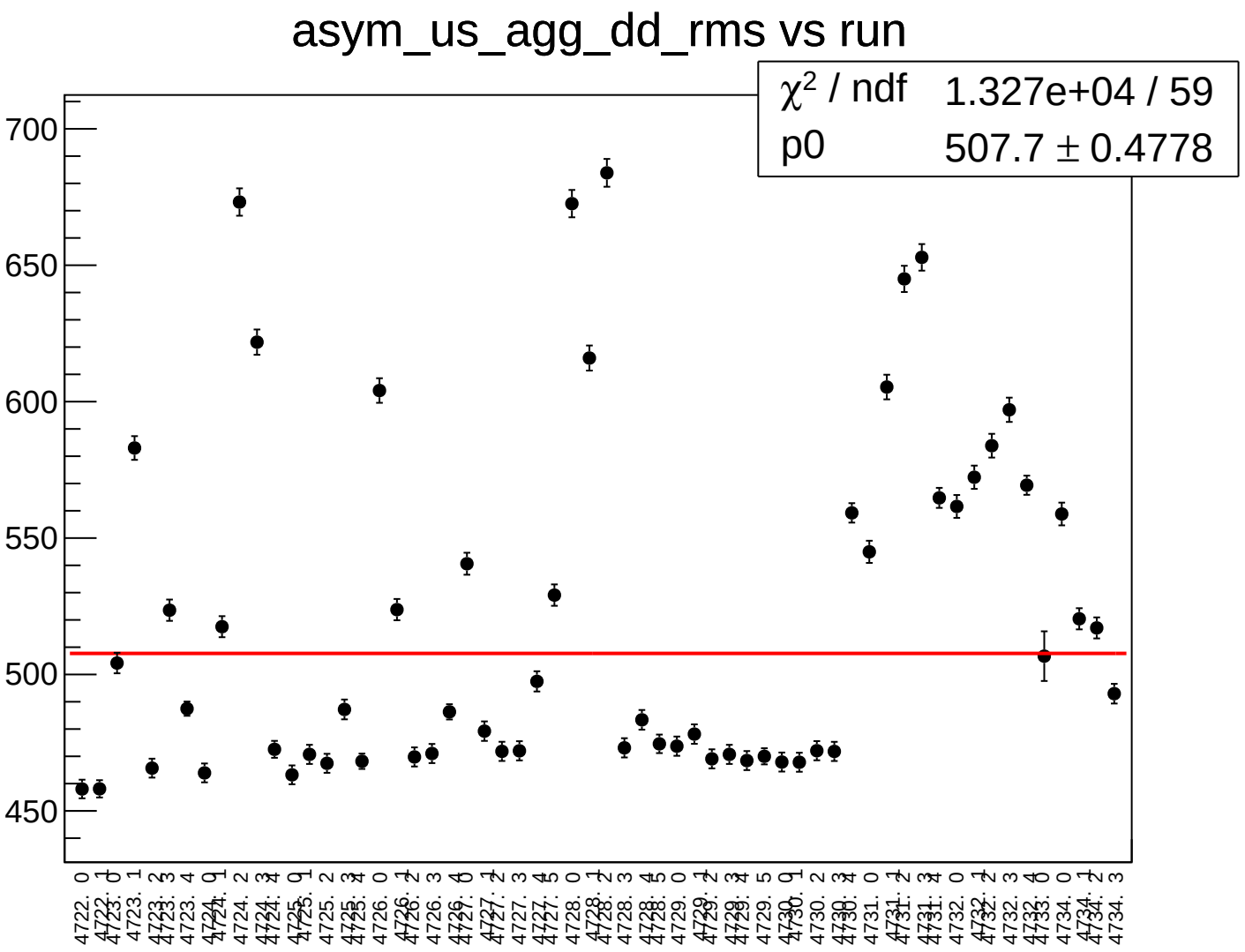

asym_us_agg_avg_mean vs run
χ² / ndf 51.23 / 59
p0 −25.44 ± 437.7
10000
5000
0
−5000
−10000
pull
Entries 60
Mean 516
Std Dev 474.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

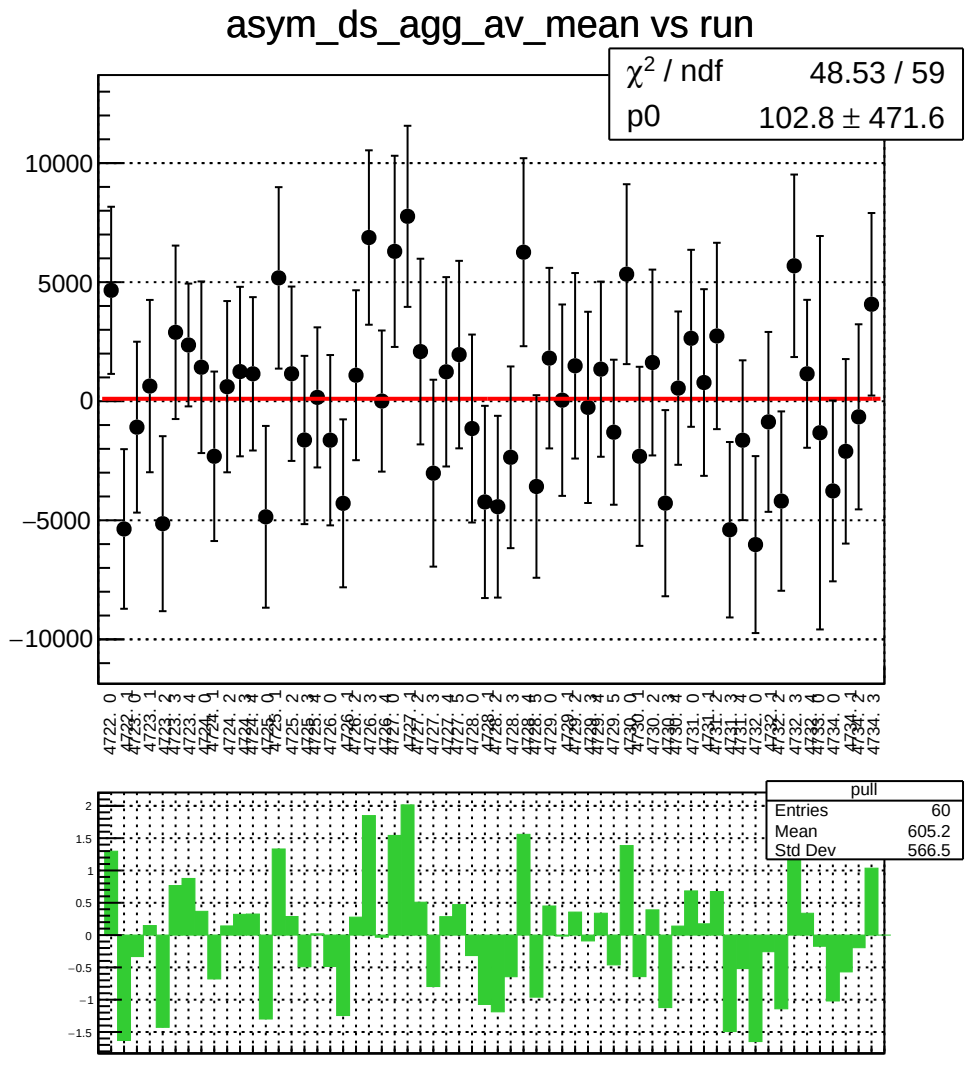

pull1D
Entries 60
Mean −0.002869
Std Dev 0.924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

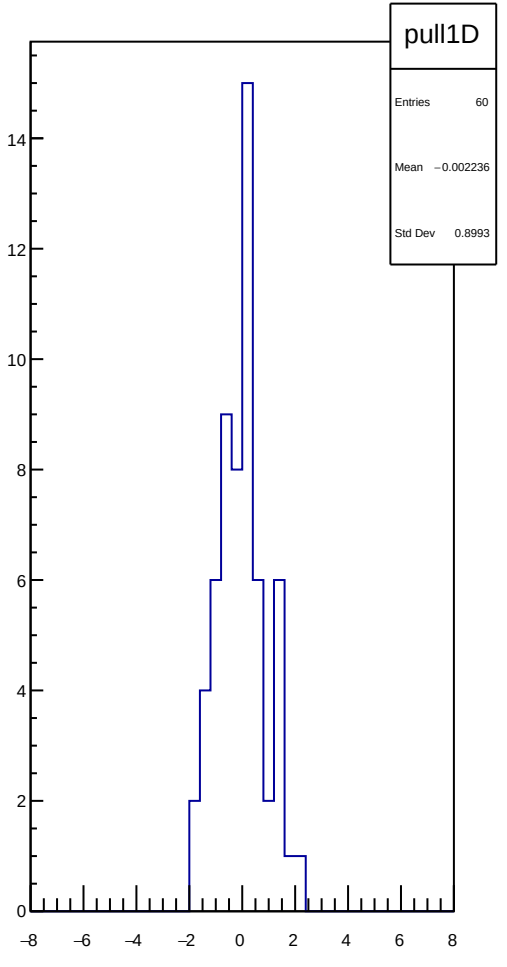

asym_us_agg_avg_rms vs run
χ² / ndf 1855 / 59
p0 330.5 ± 0.3095
360
350
340
330
320
310
300
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

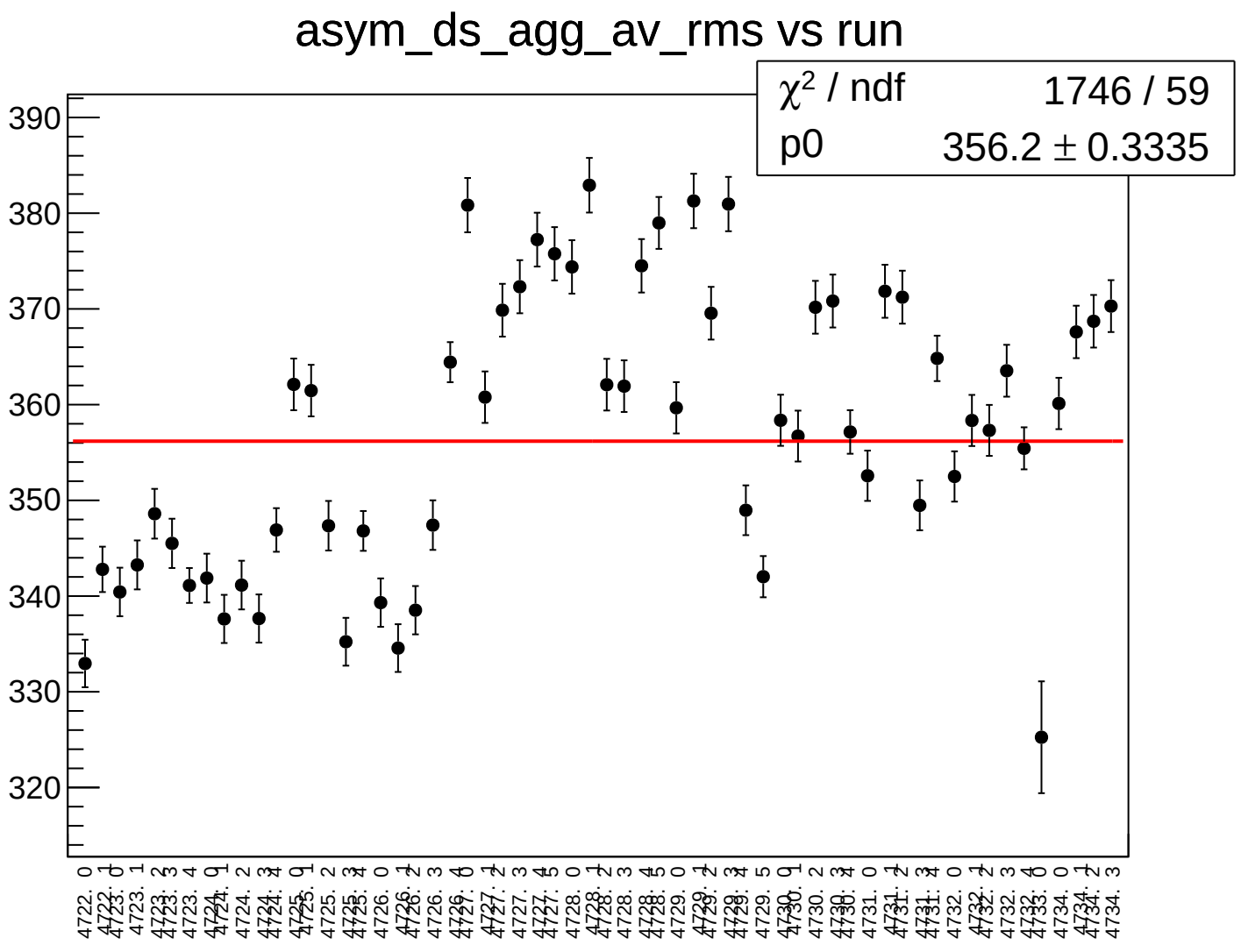

asym_us_agg_dd_mean vs run
χ² / ndf 59.75 / 59
p0 −250.8 ± 675.7
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −375.7
Std Dev 394.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

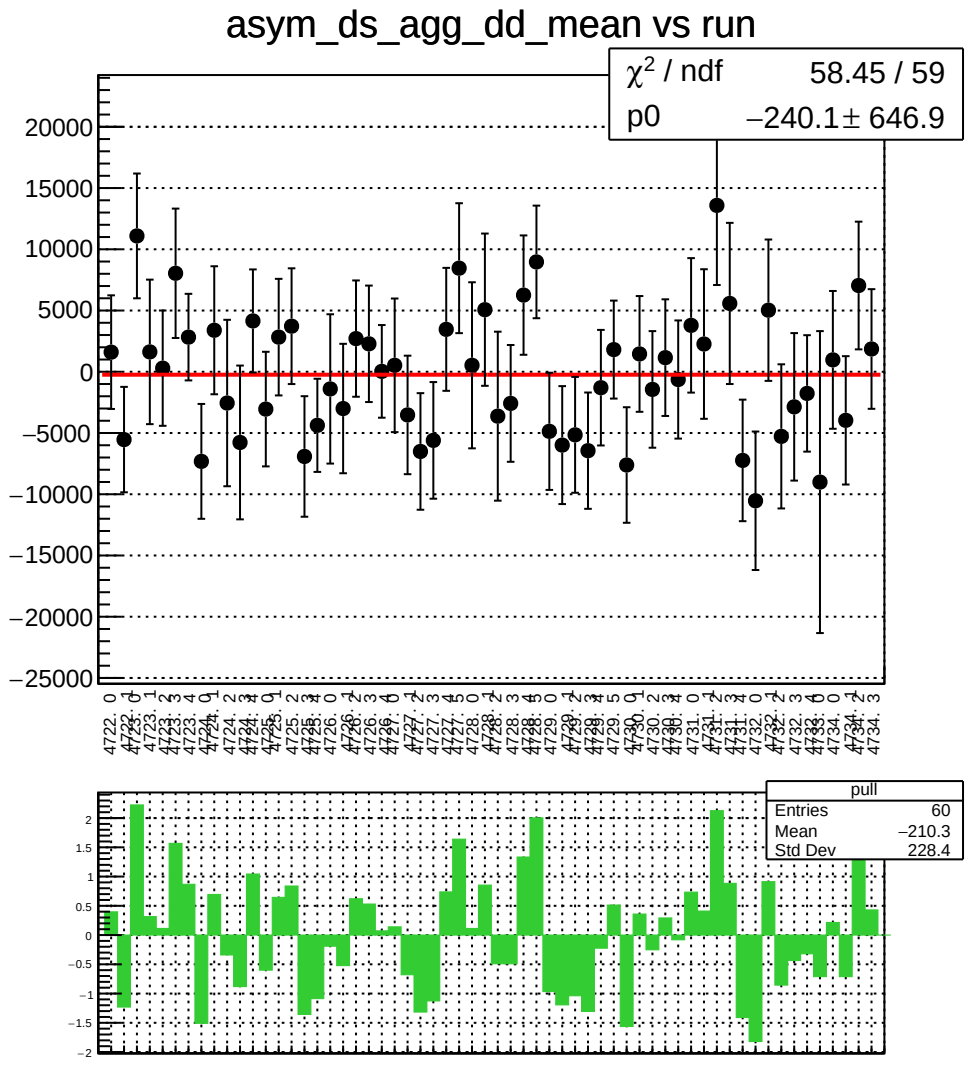

pull1D
Entries 60
Mean 0.00378
Std Dev 0.9979
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

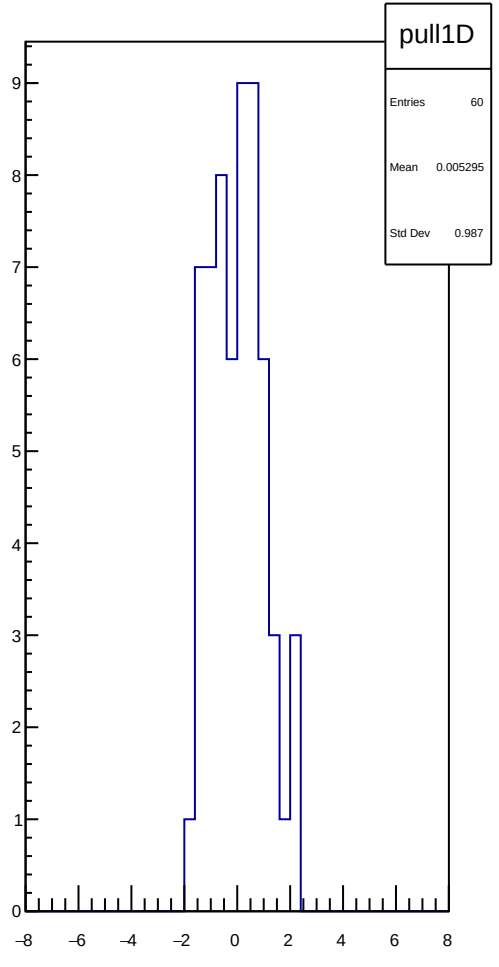

asym_us_agg_dd_rms vs run
χ² / ndf 1.327e+04 / 59
p0 507.7 ± 0.4778
700
650
600
550
500
450
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

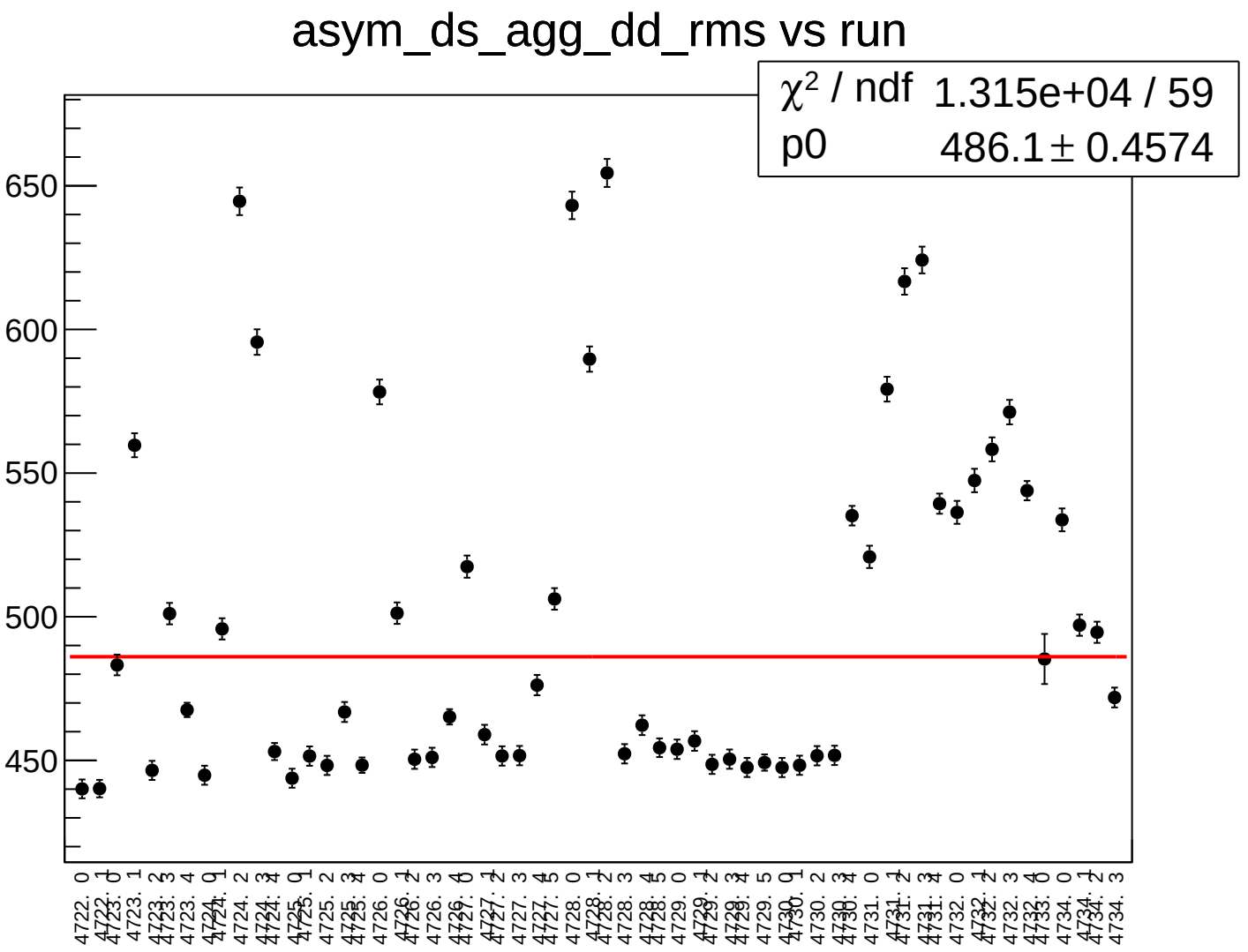

asym_ds_agg_av_mean vs run
χ² / ndf 48.53 / 59
p0 102.8 ± 471.6
10000
5000
0
−5000
−10000
pull
Entries 60
Mean 605.2
Std Dev 566.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

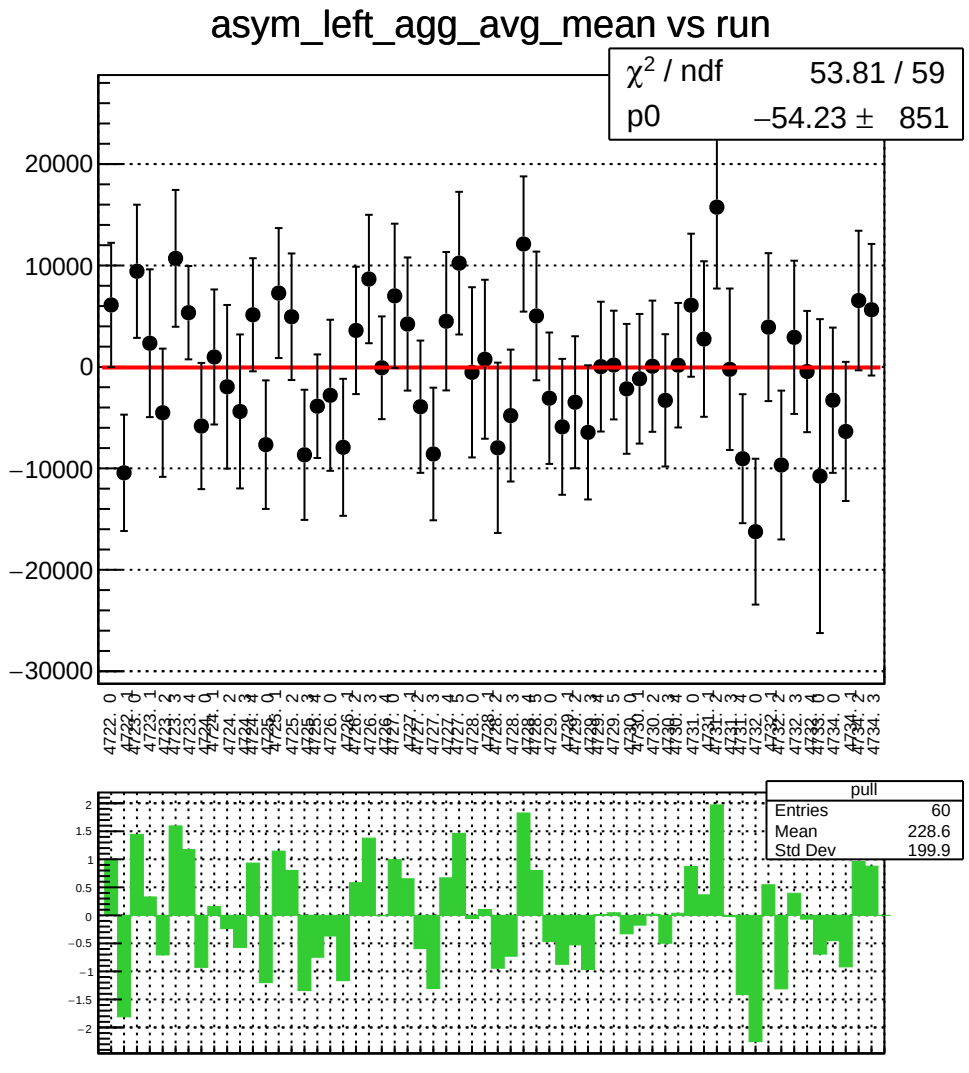

pull1D
Entries 60
Mean −0.002236
Std Dev 0.8993
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

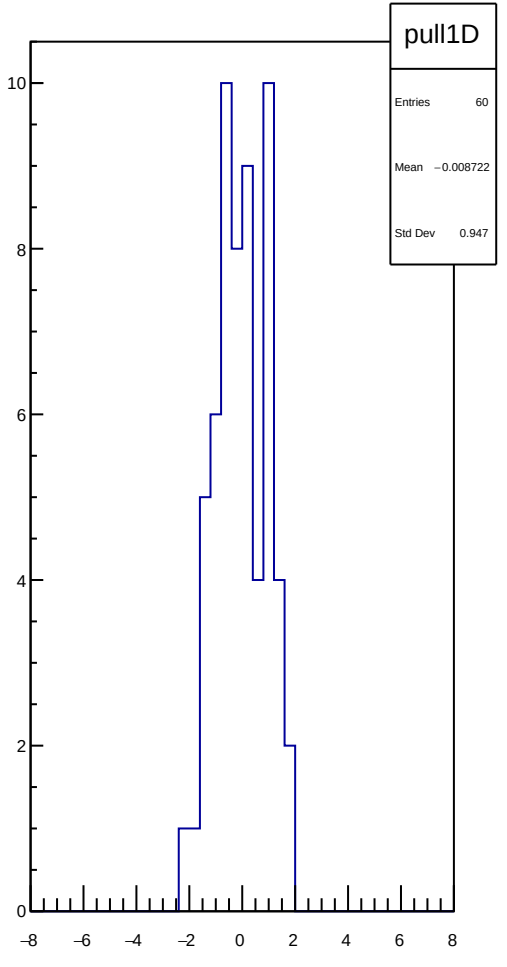

asym_ds_agg_av_rms vs run
χ² / ndf 1746 / 59
p0 356.2 ± 0.3335
390
380
370
360
350
340
330
320
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

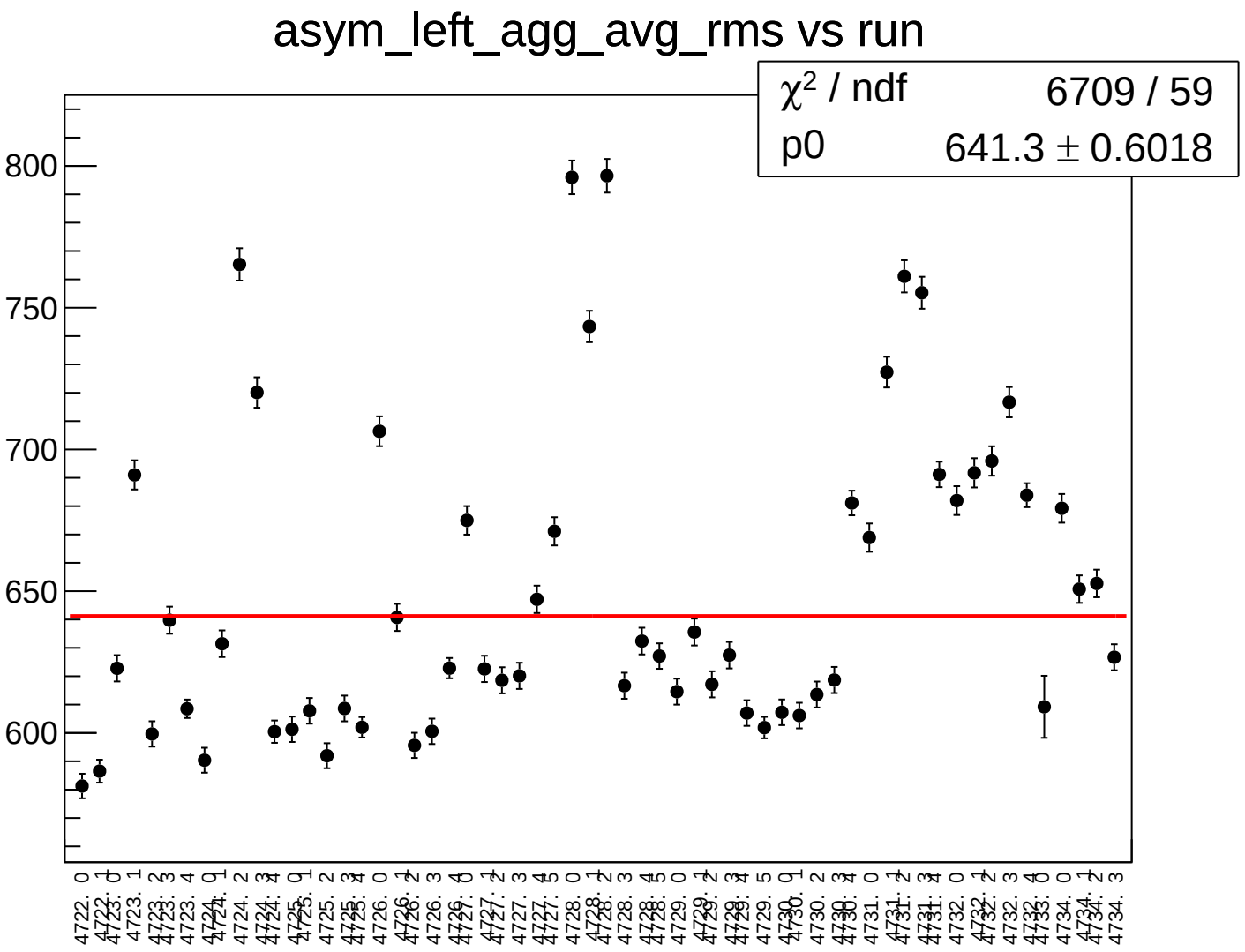

asym_ds_agg_dd_mean vs run
χ² / ndf 58.45 / 59
p0 −240.1± 646.9
pull
Entries 60
Mean −210.3
Std Dev 228.4

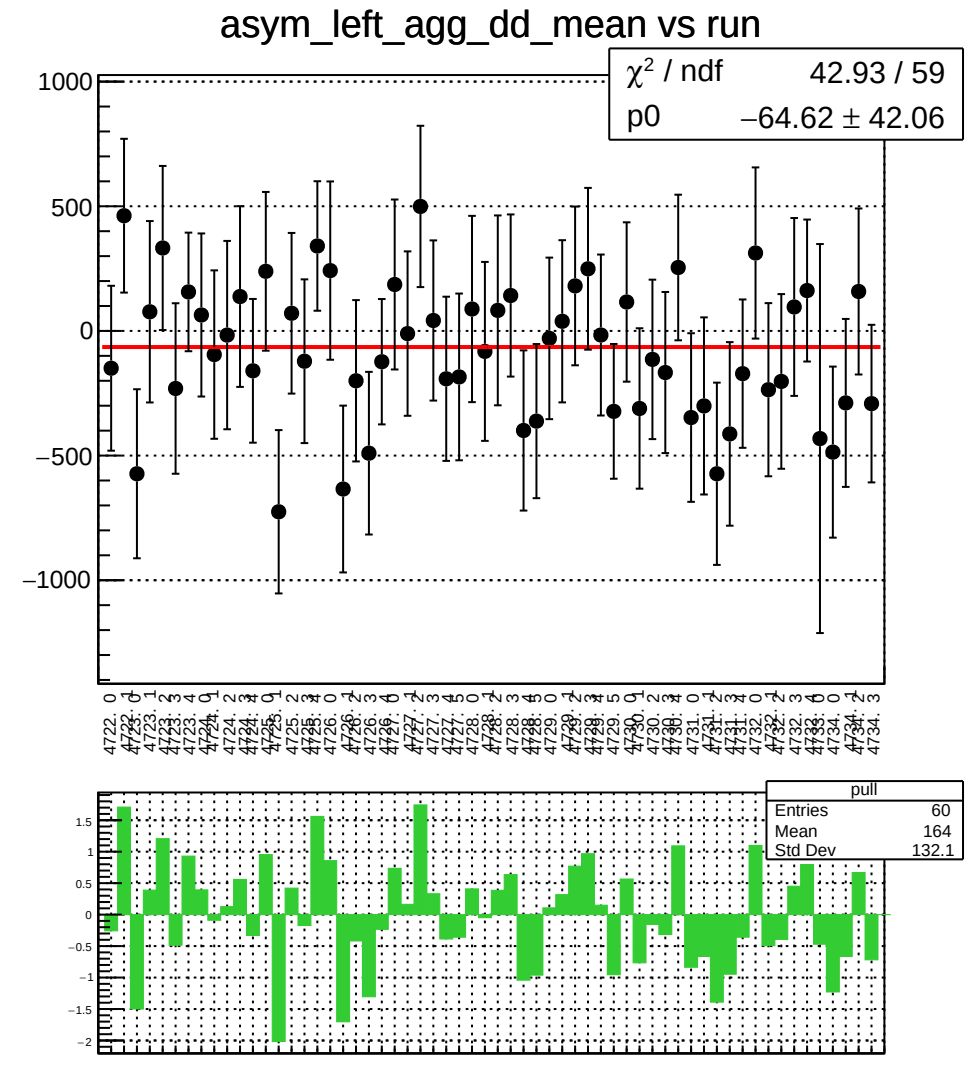

pull1D
Entries 60
Mean 0.005295
Std Dev 0.987

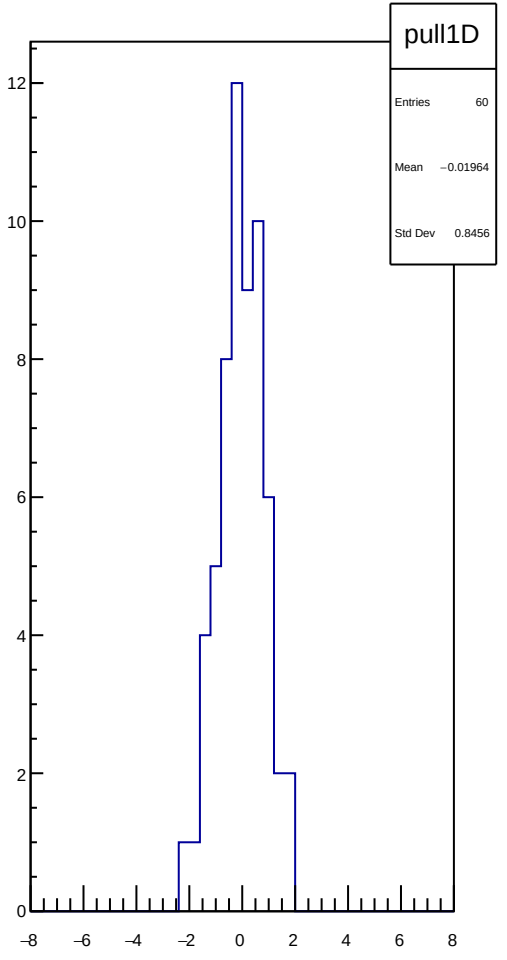

asym_ds_agg_dd_rms vs run
χ² / ndf 1.315e+04 / 59
p0 486.1 ± 0.4574
650
600
550
500
450
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

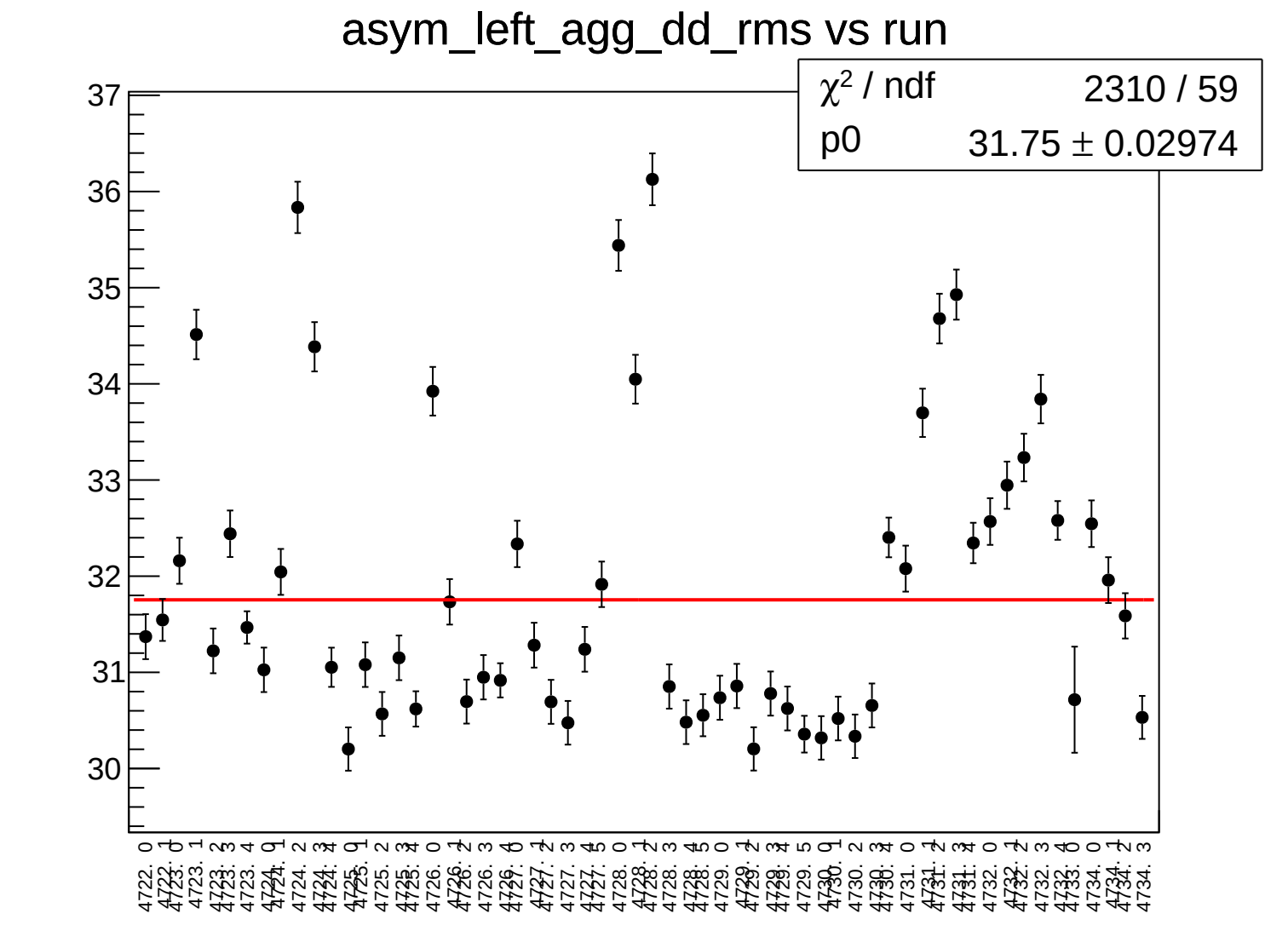

asym_left_agg_avg_mean vs run
χ² / ndf 53.81 / 59
p0 −54.23 ± 851
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 228.6
Std Dev 199.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

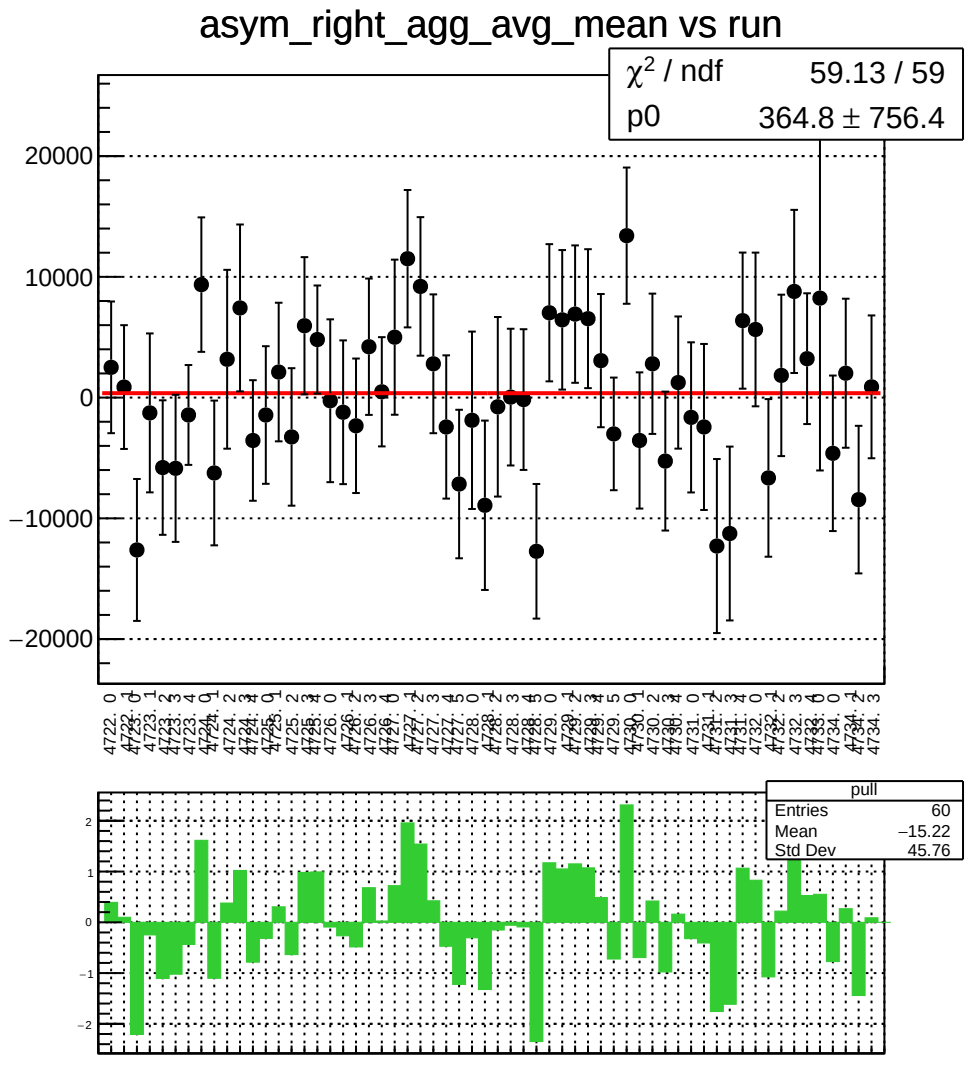

pull1D
Entries 60
Mean −0.008722
Std Dev 0.947
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

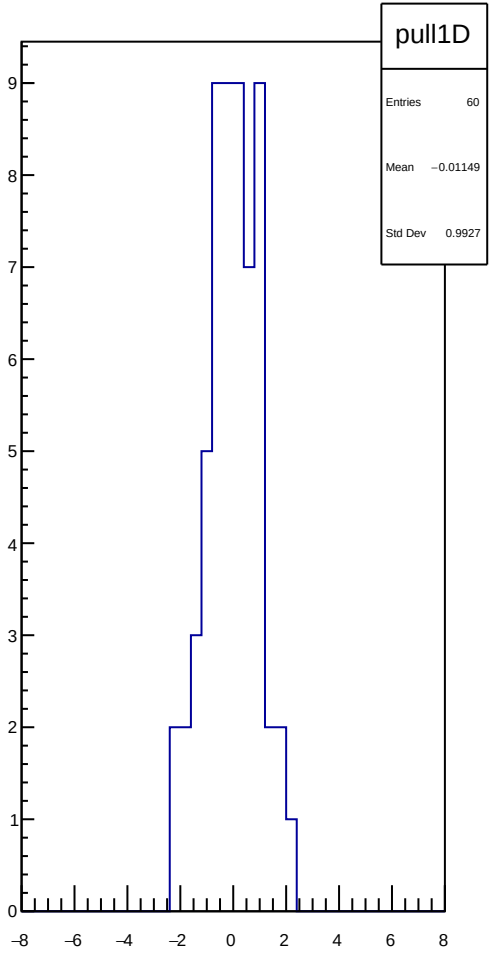

asym_left_agg_avg_rms vs run
χ² / ndf 6709 / 59
p0 641.3 ± 0.6018
800
750
700
650
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

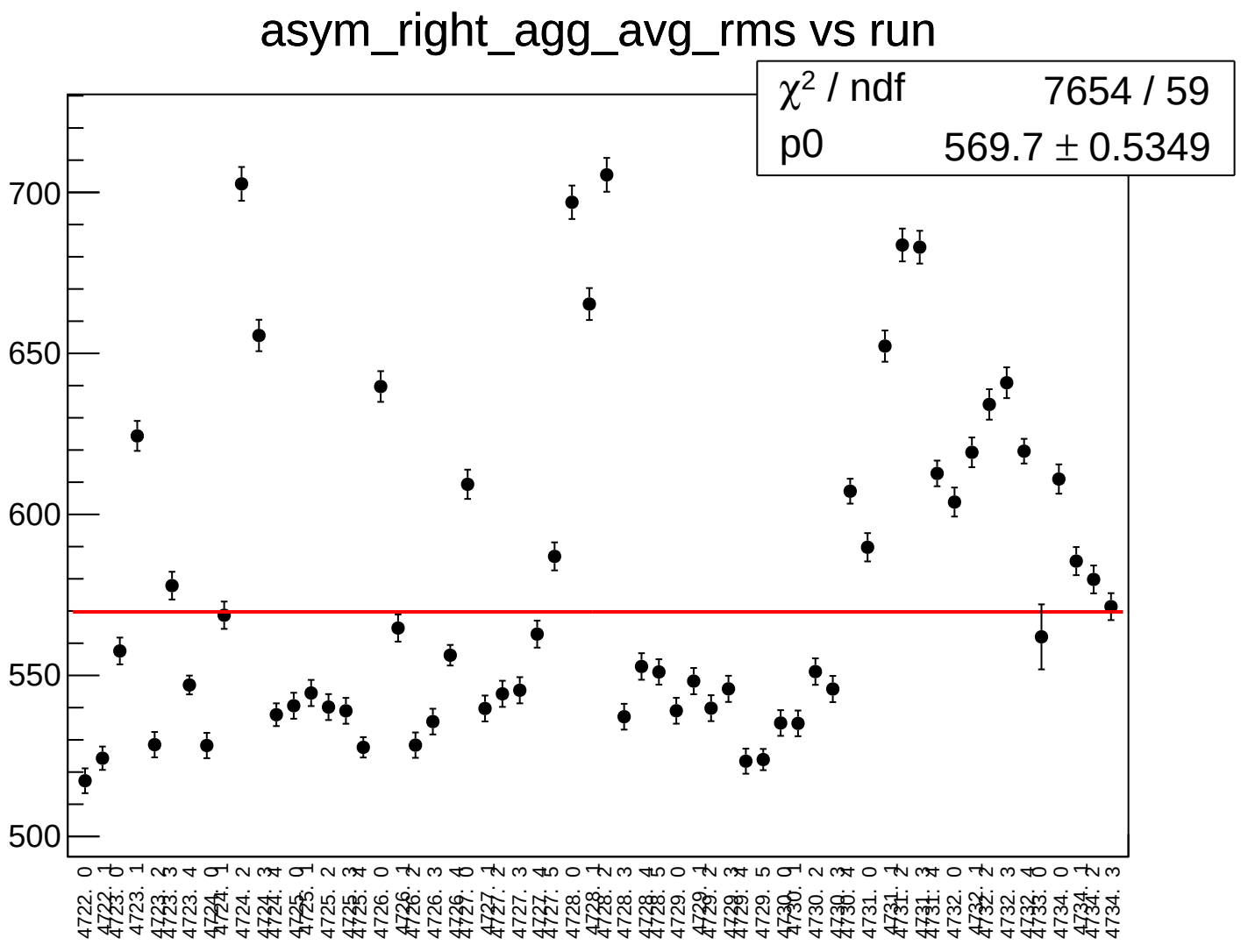

asym_left_agg_dd_mean vs run
χ² / ndf 42.93 / 59
p0 −64.62 ± 42.06
pull
Entries 60
Mean 164
Std Dev 132.1

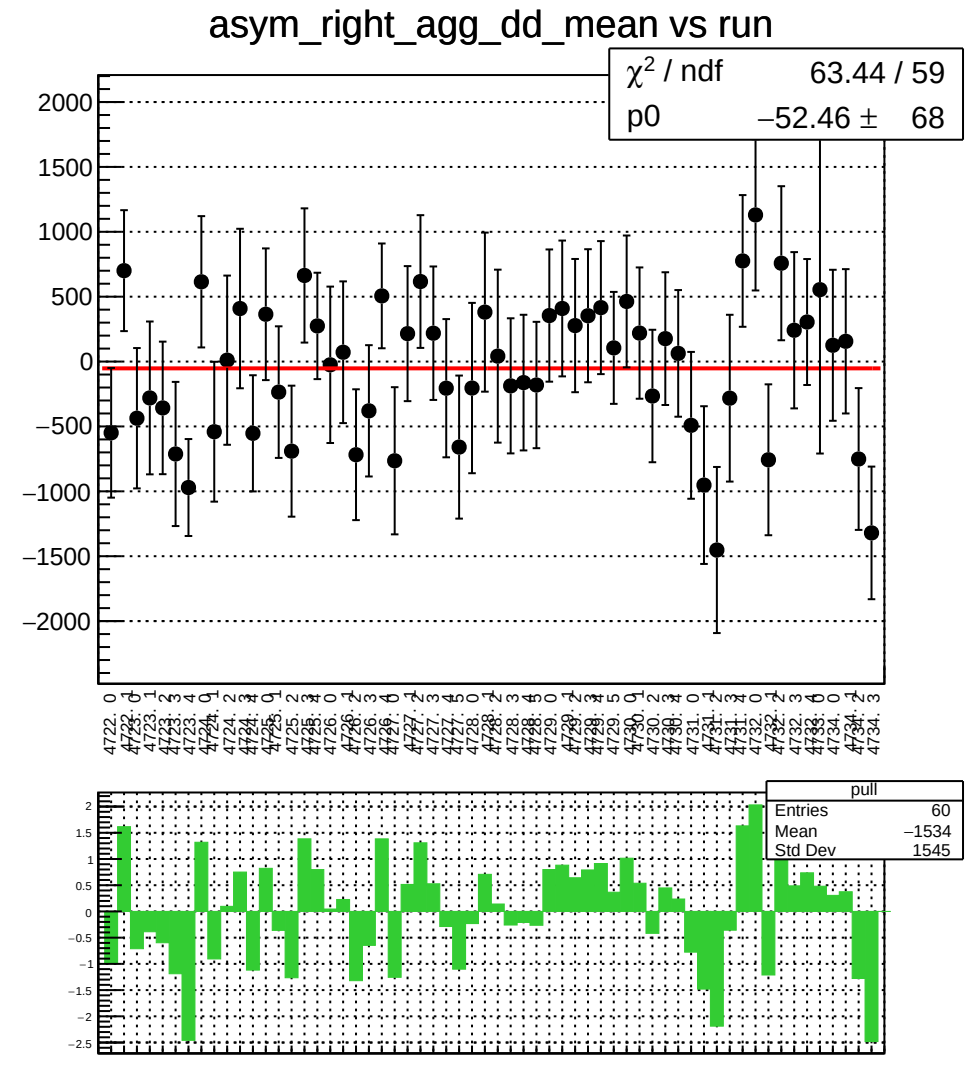

pull1D
Entries 60
Mean −0.01964
Std Dev 0.8456

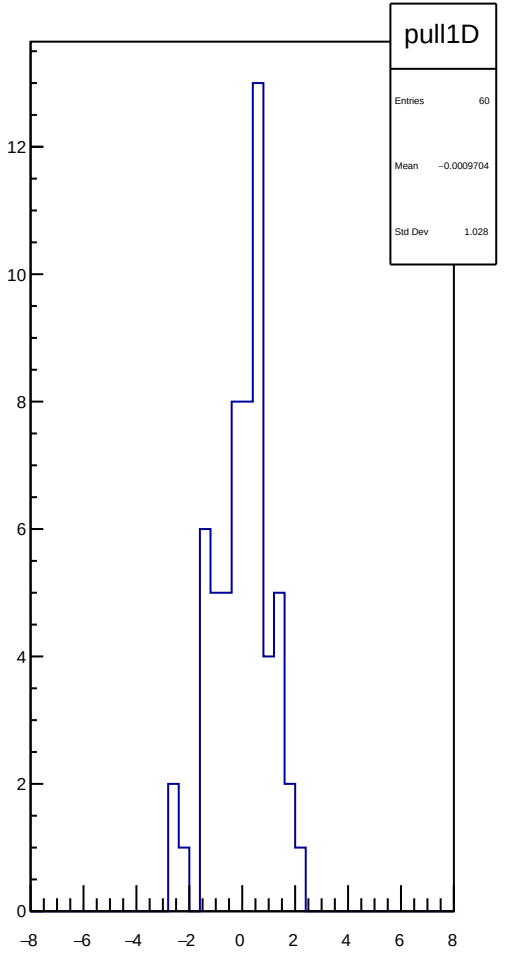

asym_left_agg_dd_rms vs run
χ^2 / ndf 2310 / 59
p0 31.75 ± 0.02974
37
36
35
34
33
32
31
30

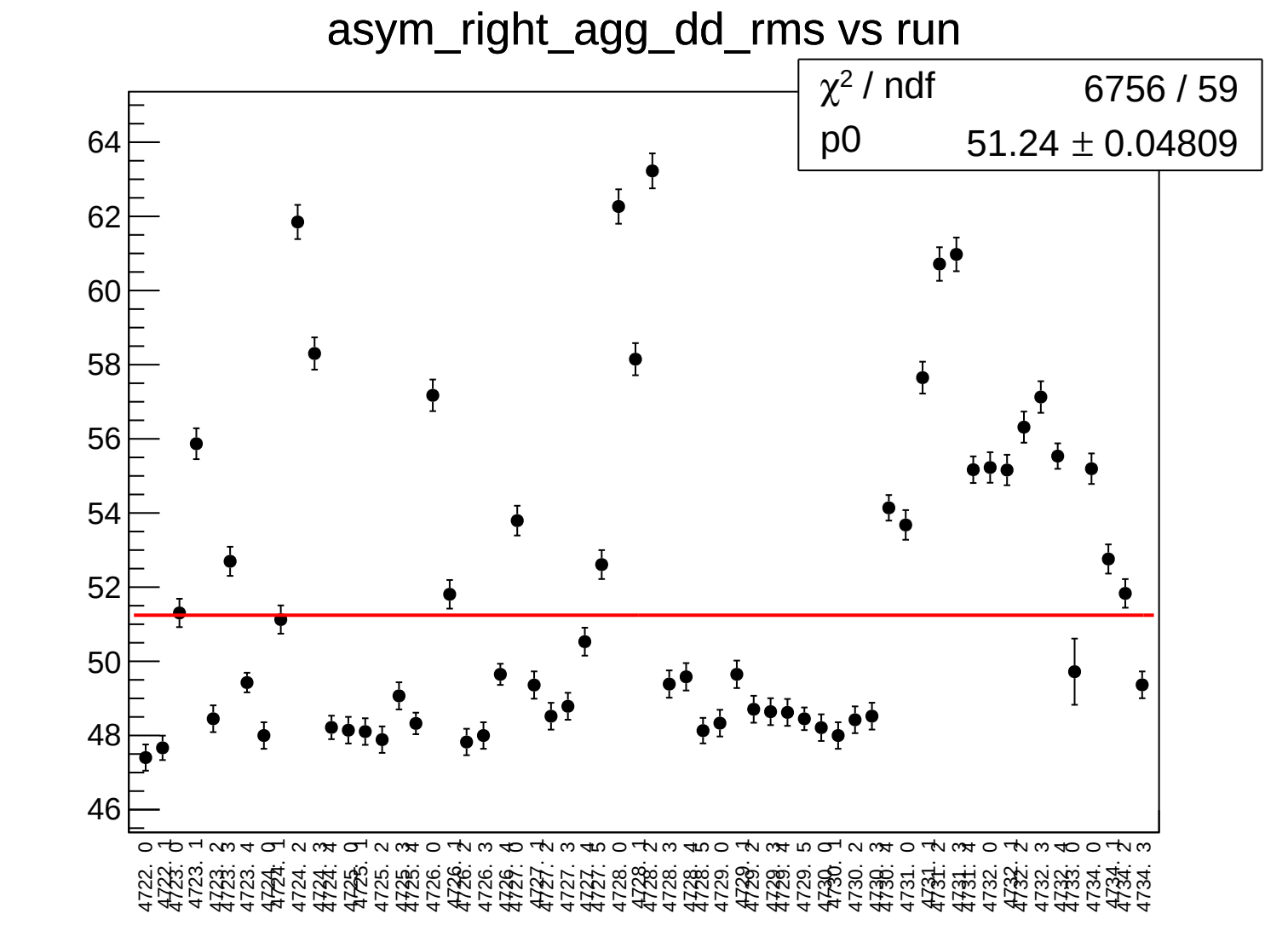

asym_right_agg_avg_mean vs run
χ² / ndf 59.13 / 59
p0 364.8 ± 756.4
20000
10000
0
−10000
−20000
pull
Entries 60
Mean −15.22
Std Dev 45.76
2
1
0
−1
−2

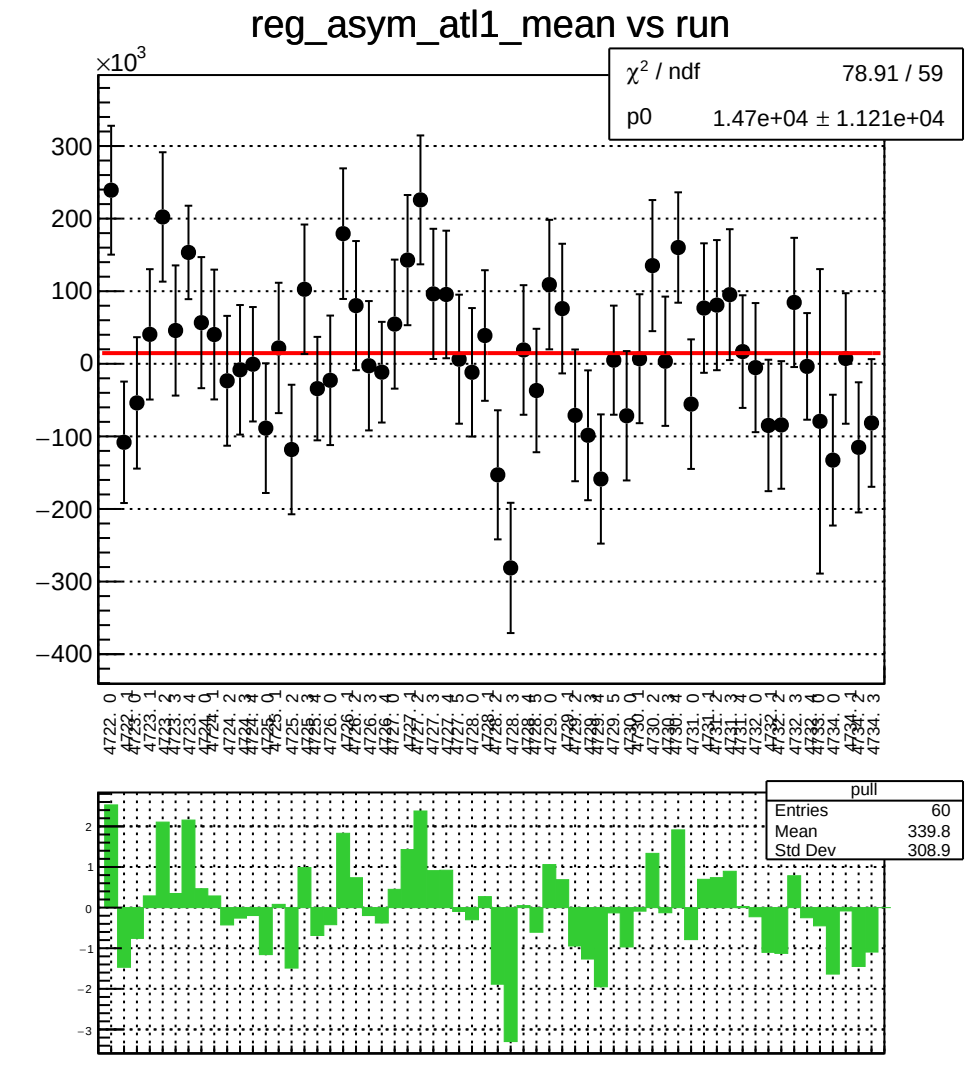

pull1D
Entries 60
Mean −0.01149
Std Dev 0.9927
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

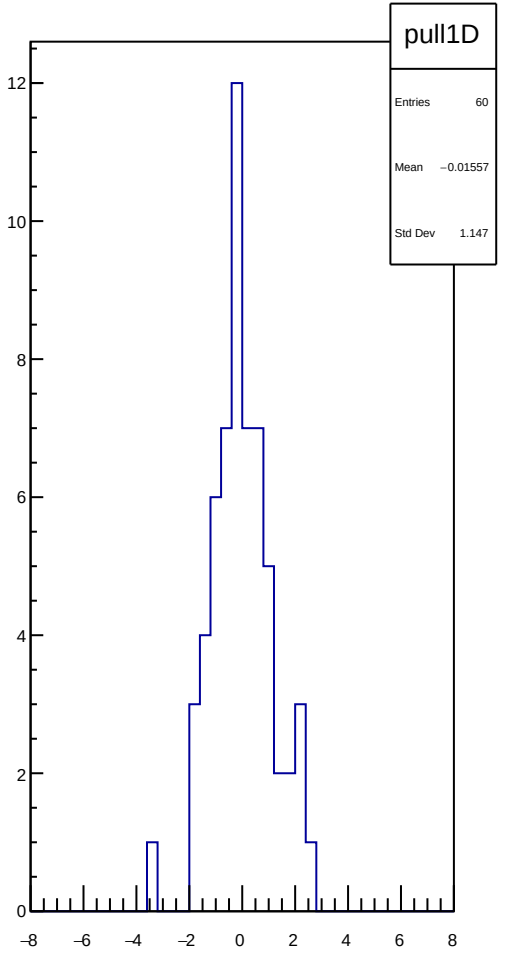

asym_right_agg_avg_rms vs run
χ² / ndf 7654 / 59
p0 569.7 ± 0.5349
700
650
600
550
500

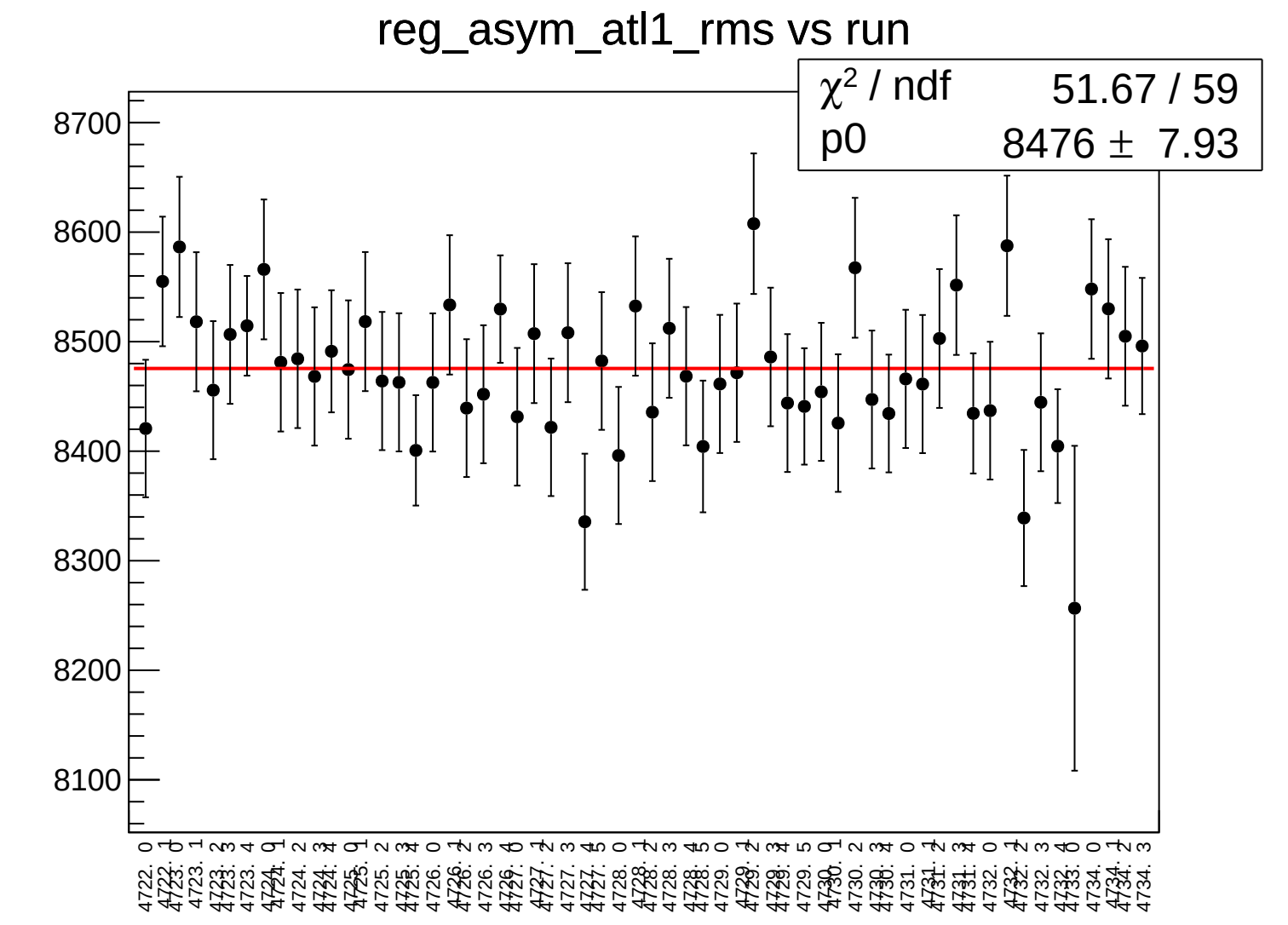

asym_right_agg_dd_mean vs run
χ² / ndf 63.44 / 59
p0 −52.46 ± 68
pull
Entries 60
Mean −1534
Std Dev 1545

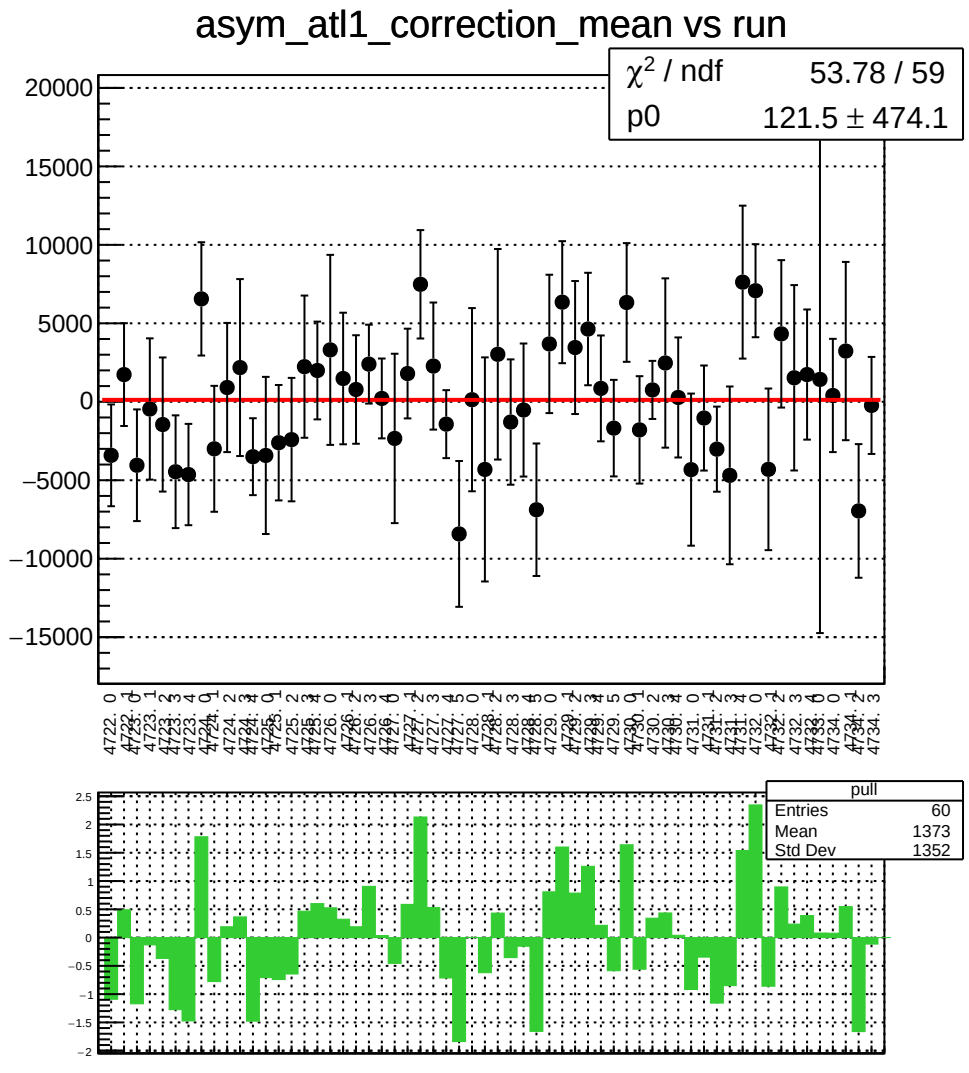

pull1D
Entries 60
Mean −0.0009704
Std Dev 1.028

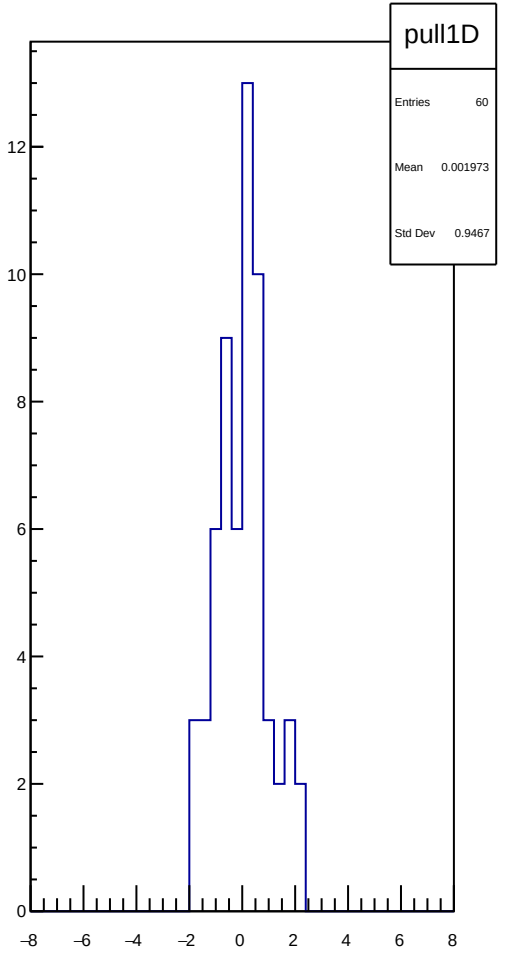

asym_right_agg_dd_rms vs run
χ² / ndf 6756 / 59
p0 51.24 ± 0.04809
64
62
60
58
56
54
52
50
48
46
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

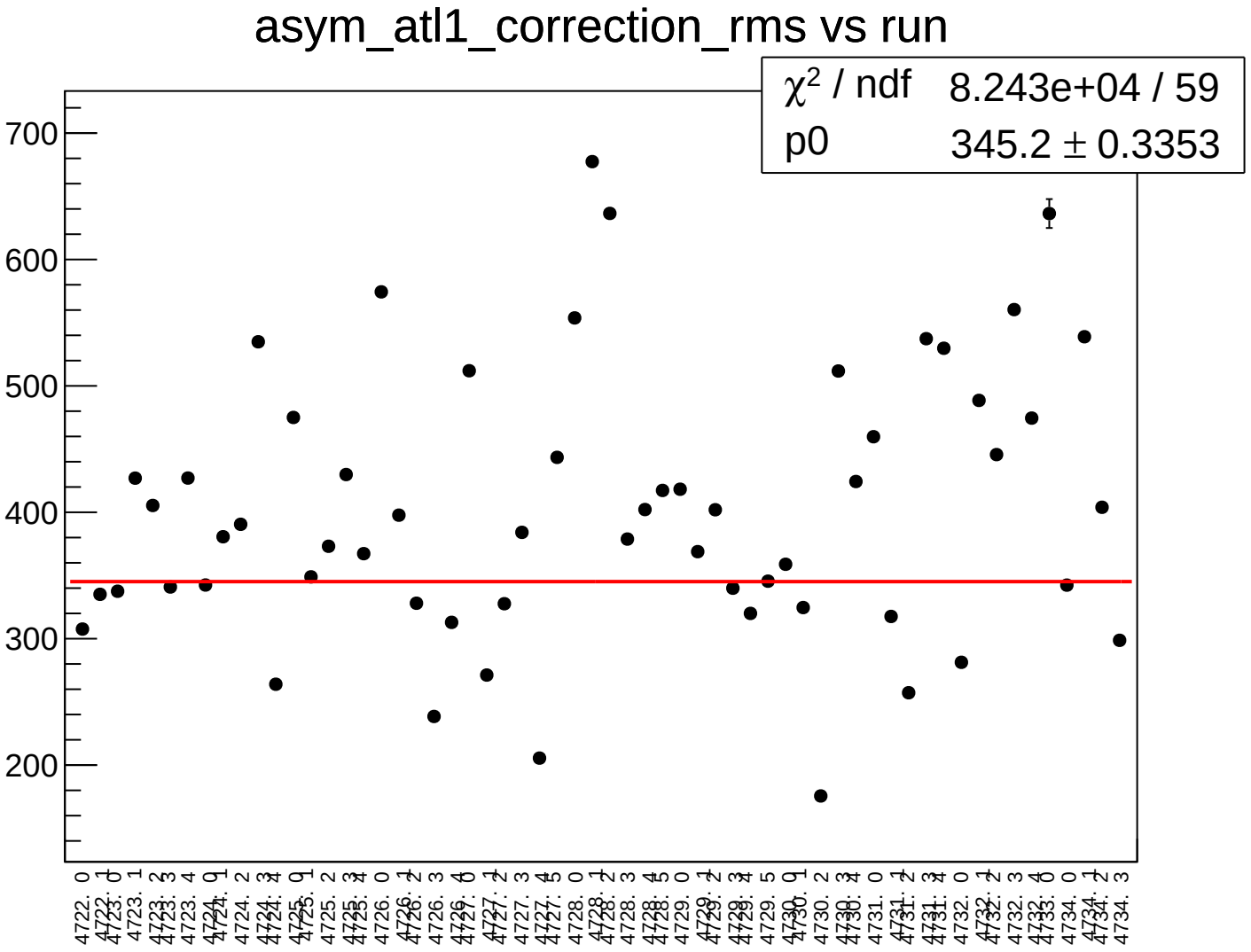

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 78.91 / 59
p0 1.47e+04 ± 1.121e+04
pull
Entries 60
Mean 339.8
Std Dev 308.9

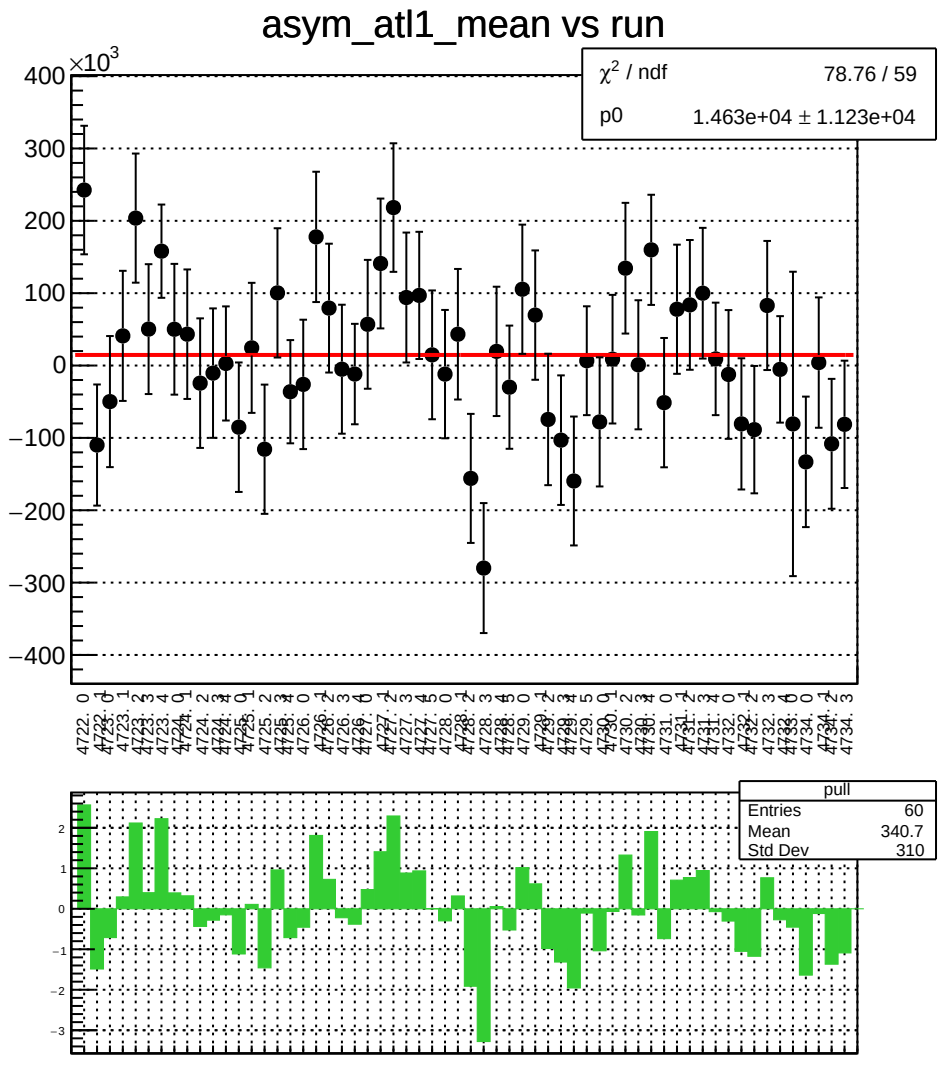

pull1D
Entries 60
Mean −0.01557
Std Dev 1.147

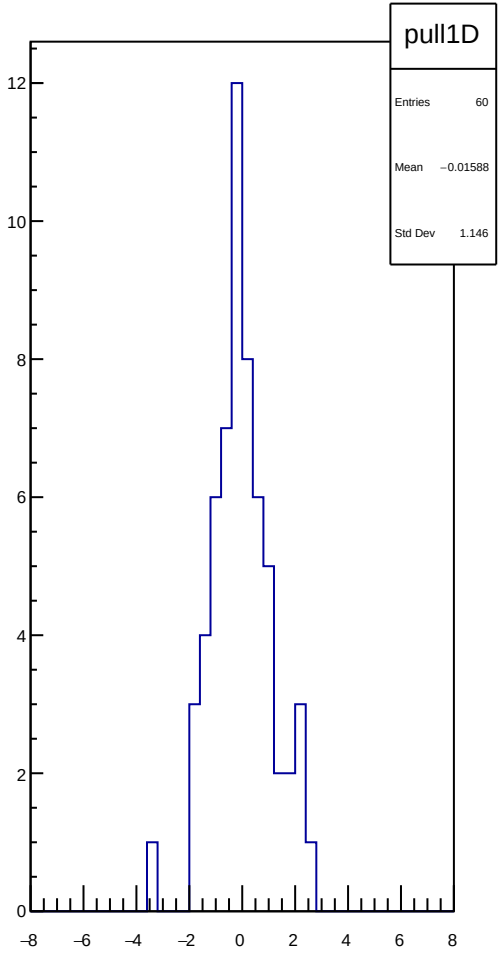

reg_asym_atl1_rms vs run
χ² / ndf 51.67 / 59
p0 8476 ± 7.93
8700
8600
8500
8400
8300
8200
8100
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

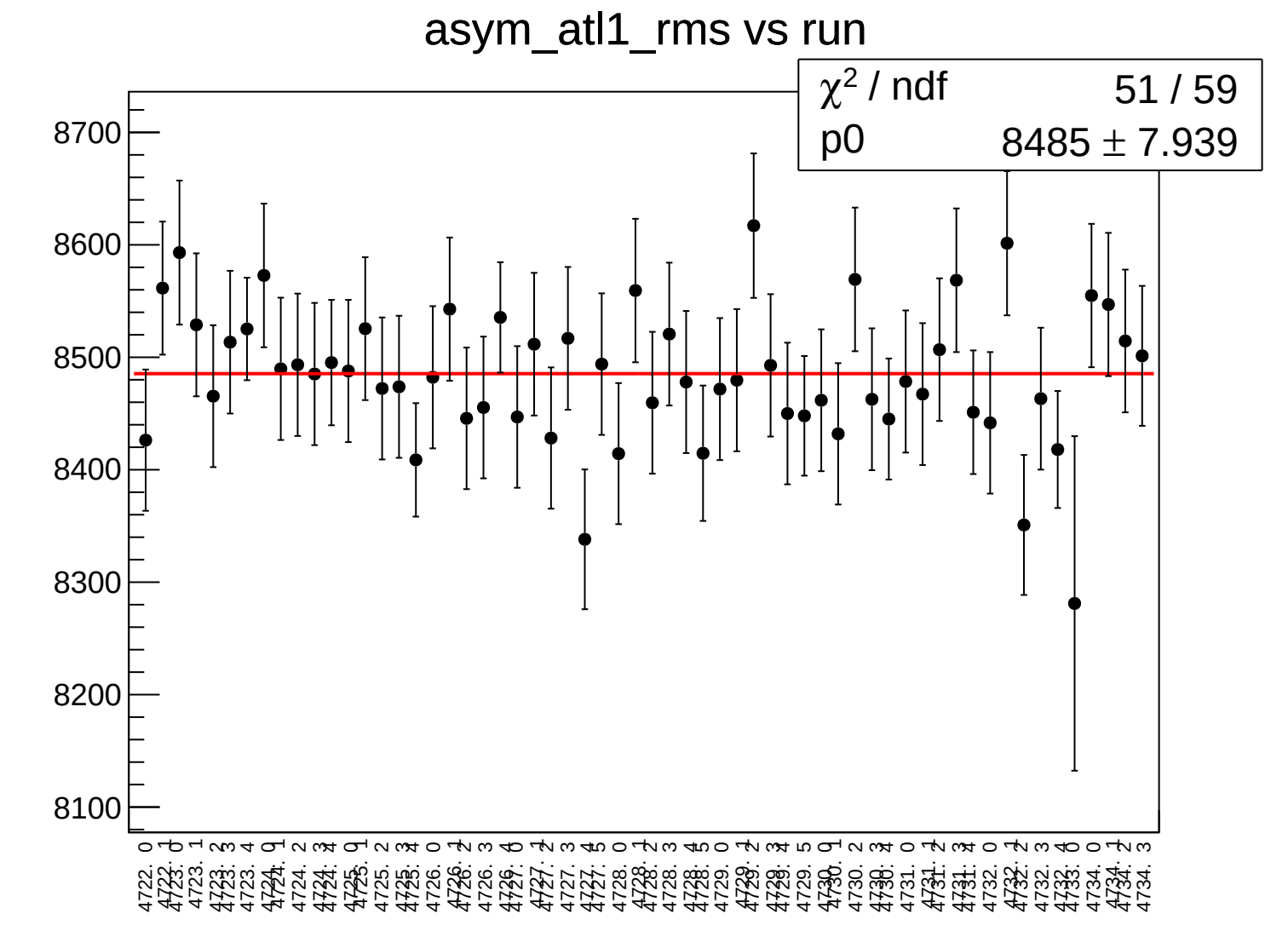

asym_atl1_correction_mean vs run
χ² / ndf 53.78 / 59
p0 121.5 ± 474.1
pull
Entries 60
Mean 1373
Std Dev 1352

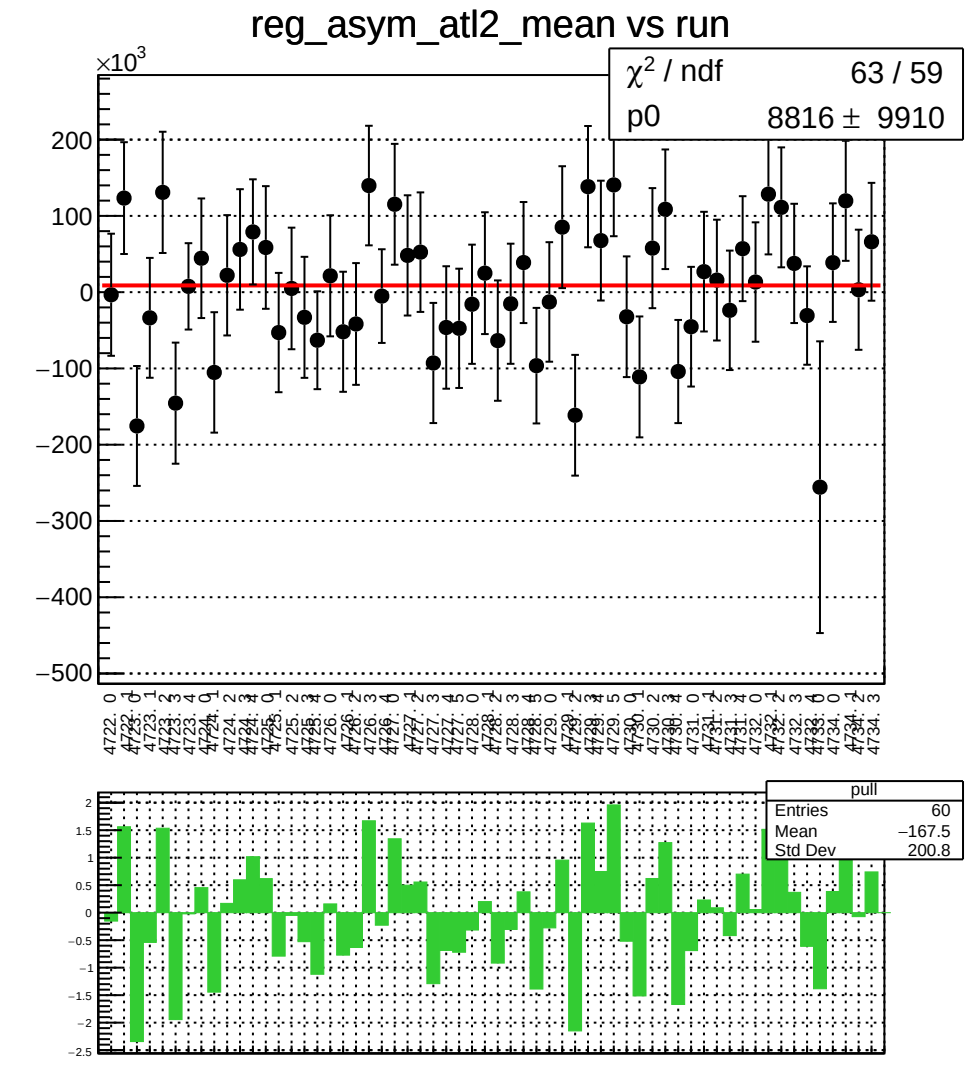

pull1D
Entries 60
Mean 0.001973
Std Dev 0.9467

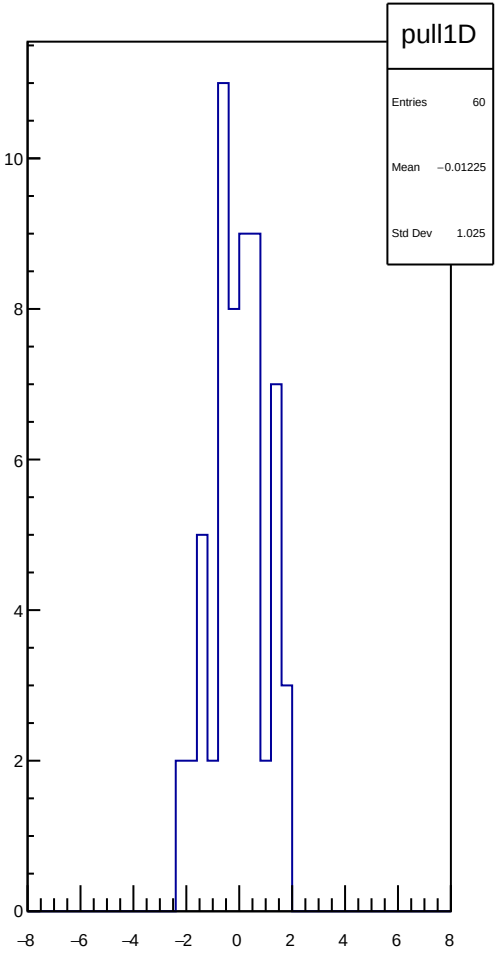

asym_atl1_correction_rms vs run
χ² / ndf 8.243e+04 / 59
p0 345.2 ± 0.3353
700
600
500
400
300
200

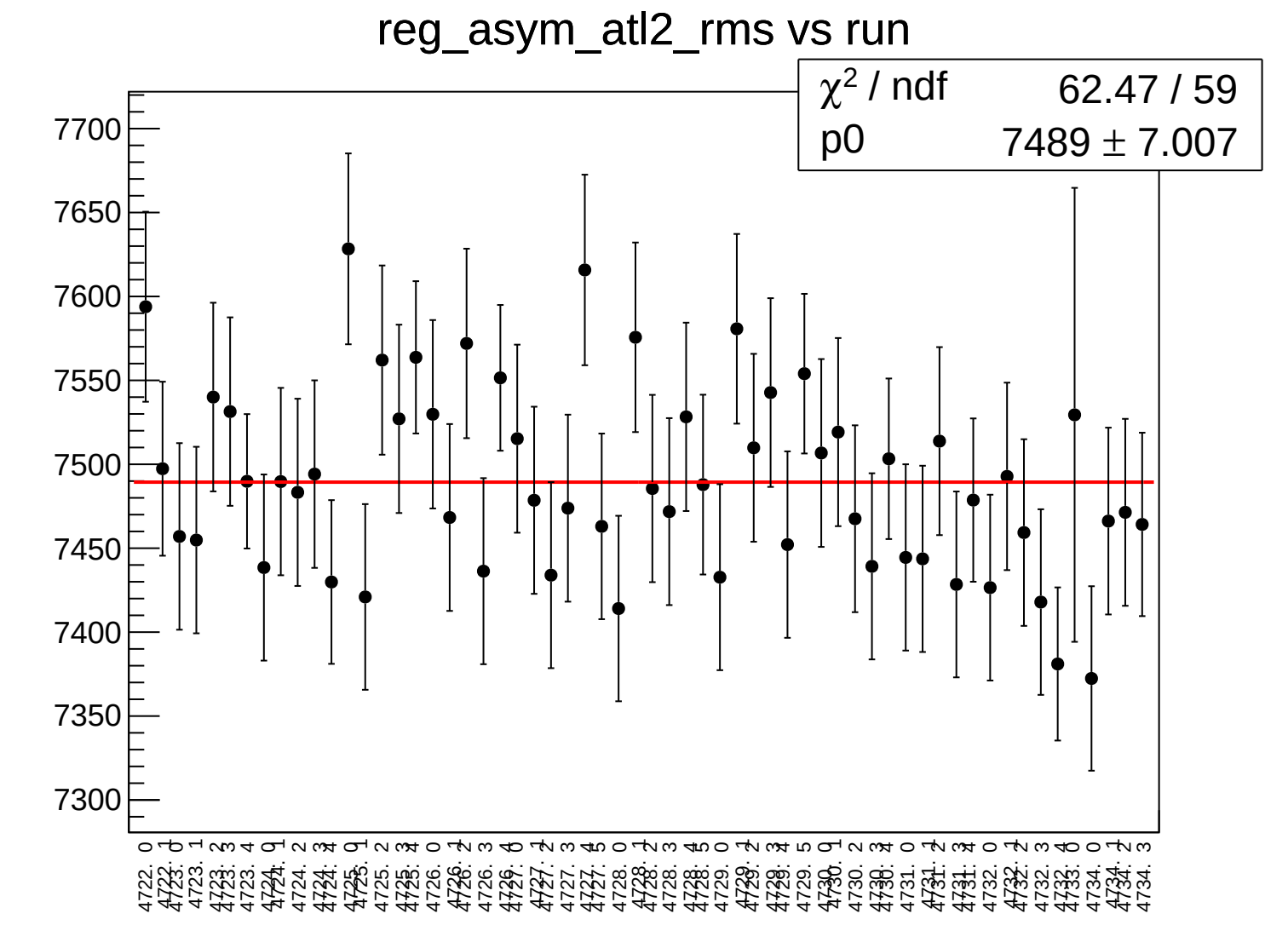

asym_atl1_mean vs run
×10^3
χ² / ndf 78.76 / 59
p0 1.463e+04 ± 1.123e+04
pull
Entries 60
Mean 340.7
Std Dev 310

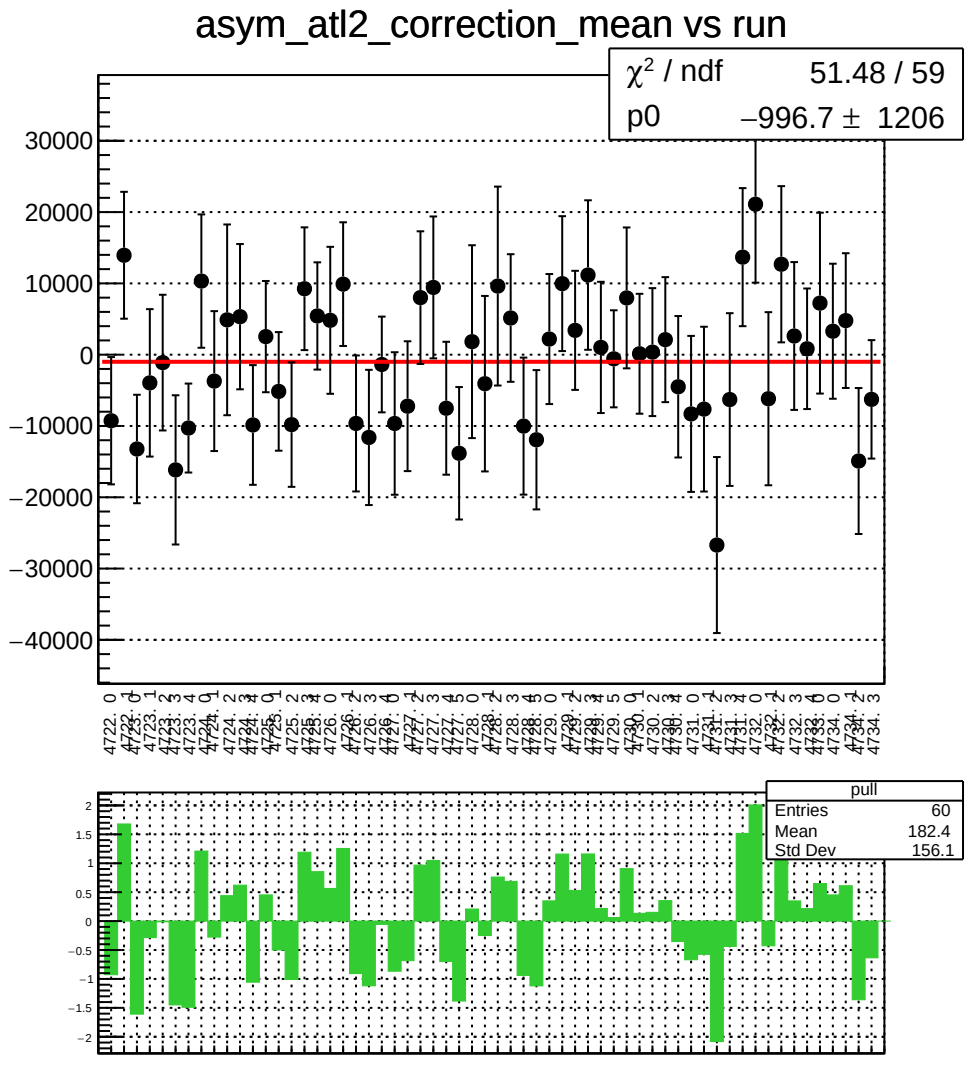

pull1D
Entries 60
Mean −0.01588
Std Dev 1.146

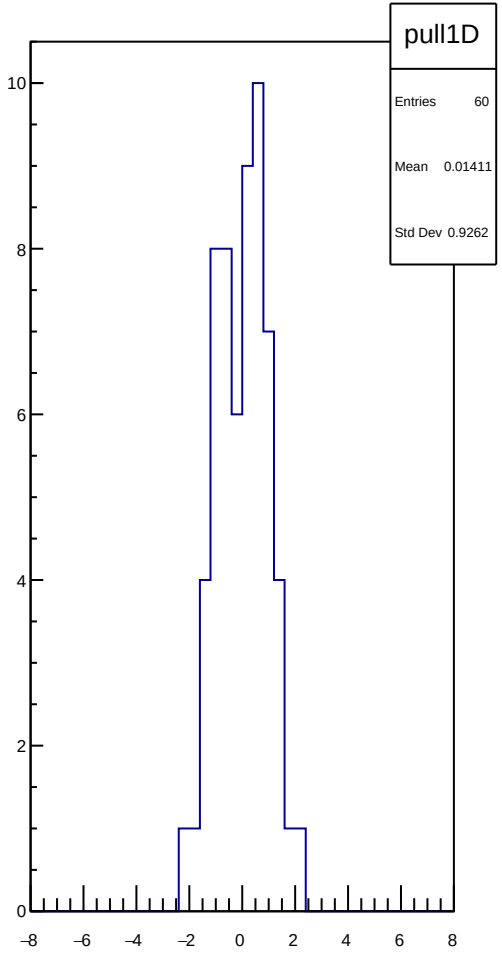

asym_atl1_rms vs run
χ² / ndf 51 / 59
p0 8485 ± 7.939
8700
8600
8500
8400
8300
8200
8100

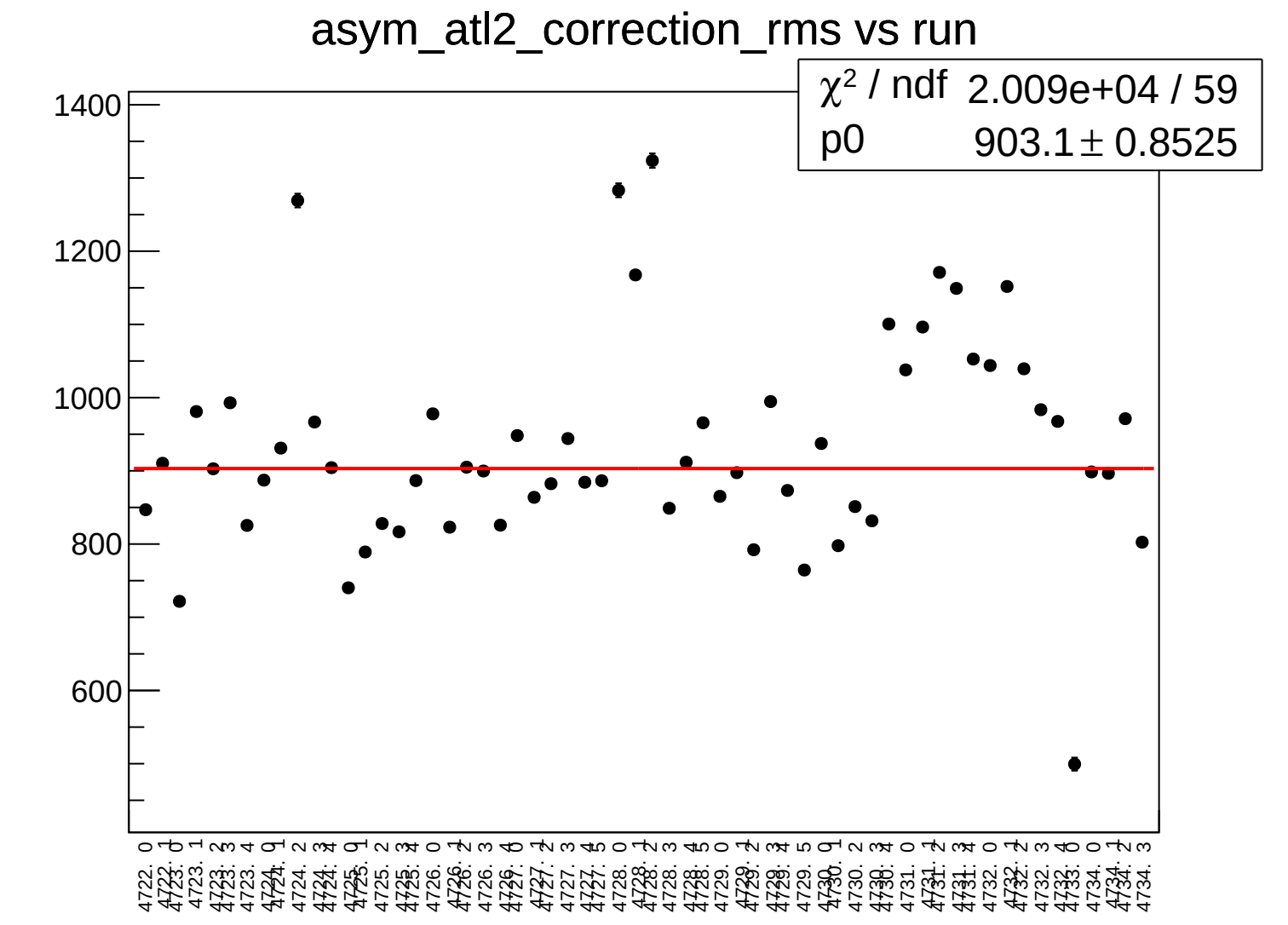

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 63 / 59
p0 8816 ± 9910
200
100
0
−100
−200
−300
−400
−500
pull
Entries 60
Mean −167.5
Std Dev 200.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

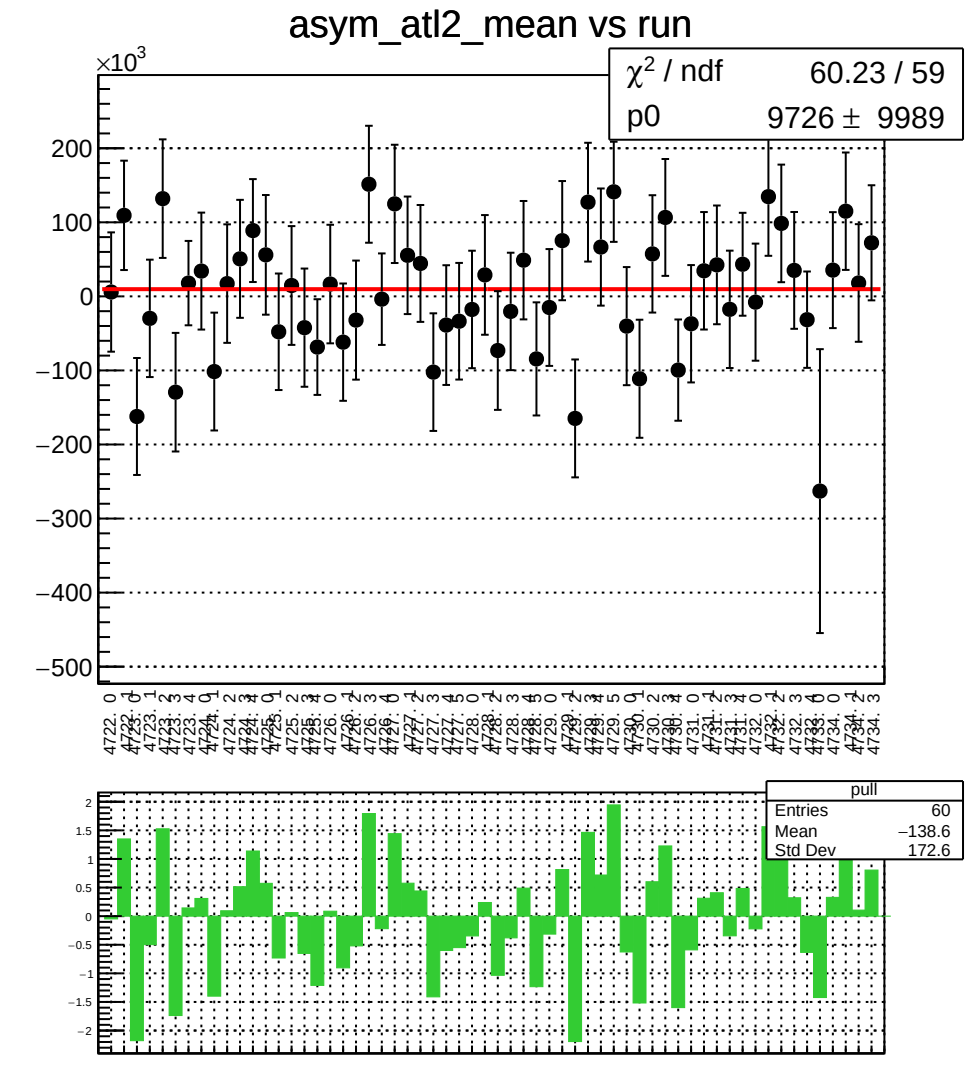

pull1D
Entries 60
Mean −0.01225
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

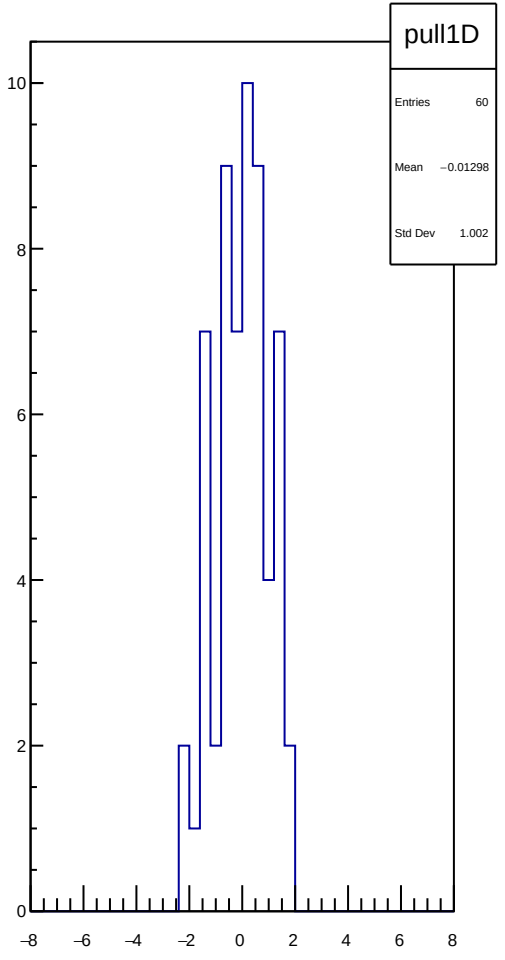

reg_asym_atl2_rms vs run
χ² / ndf 62.47 / 59
p0 7489 ± 7.007
7700
7650
7600
7550
7500
7450
7400
7350
7300

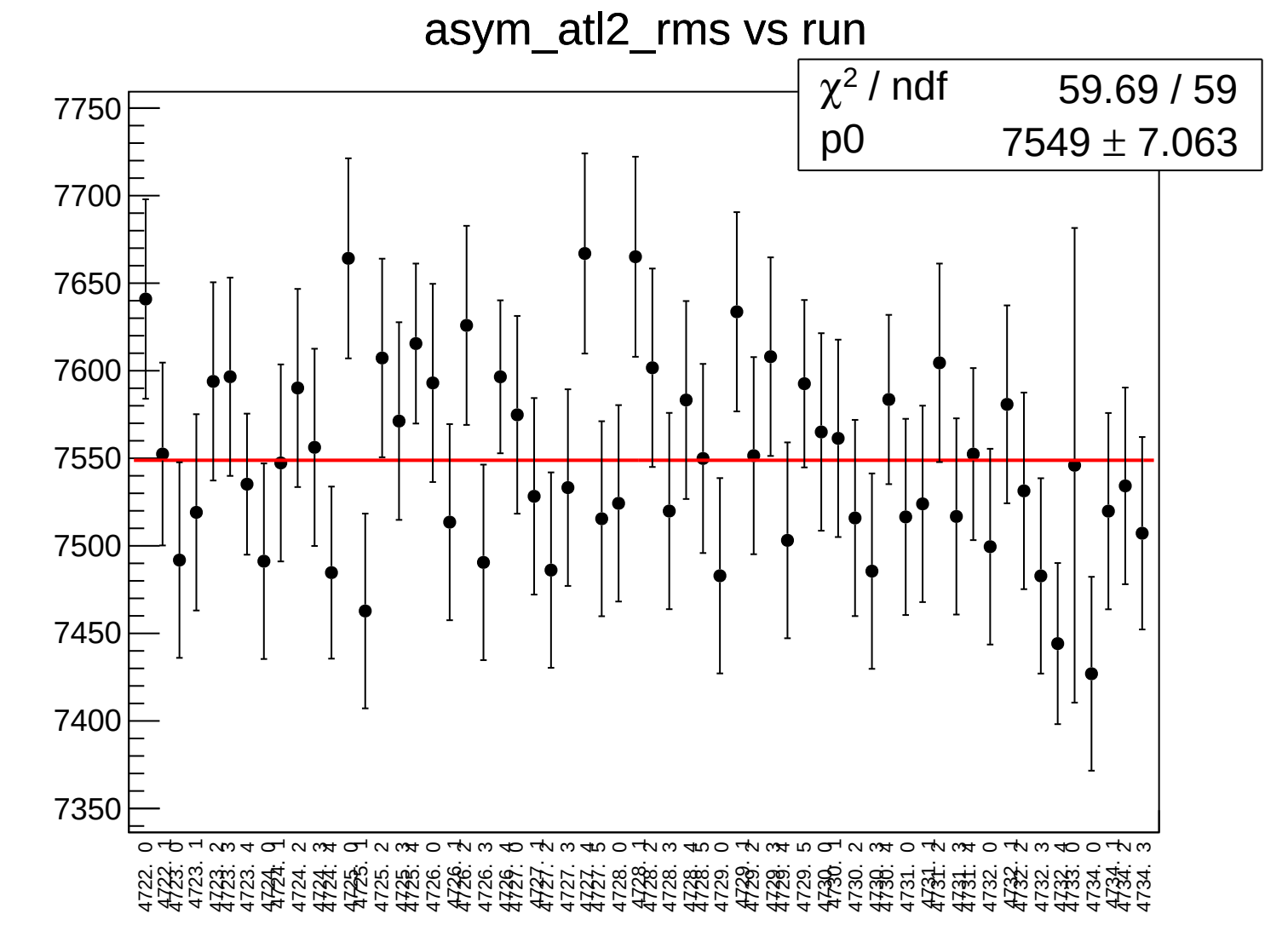

asym_atl2_correction_mean vs run
χ² / ndf 51.48 / 59
p0 −996.7 ± 1206
pull
Entries 60
Mean 182.4
Std Dev 156.1

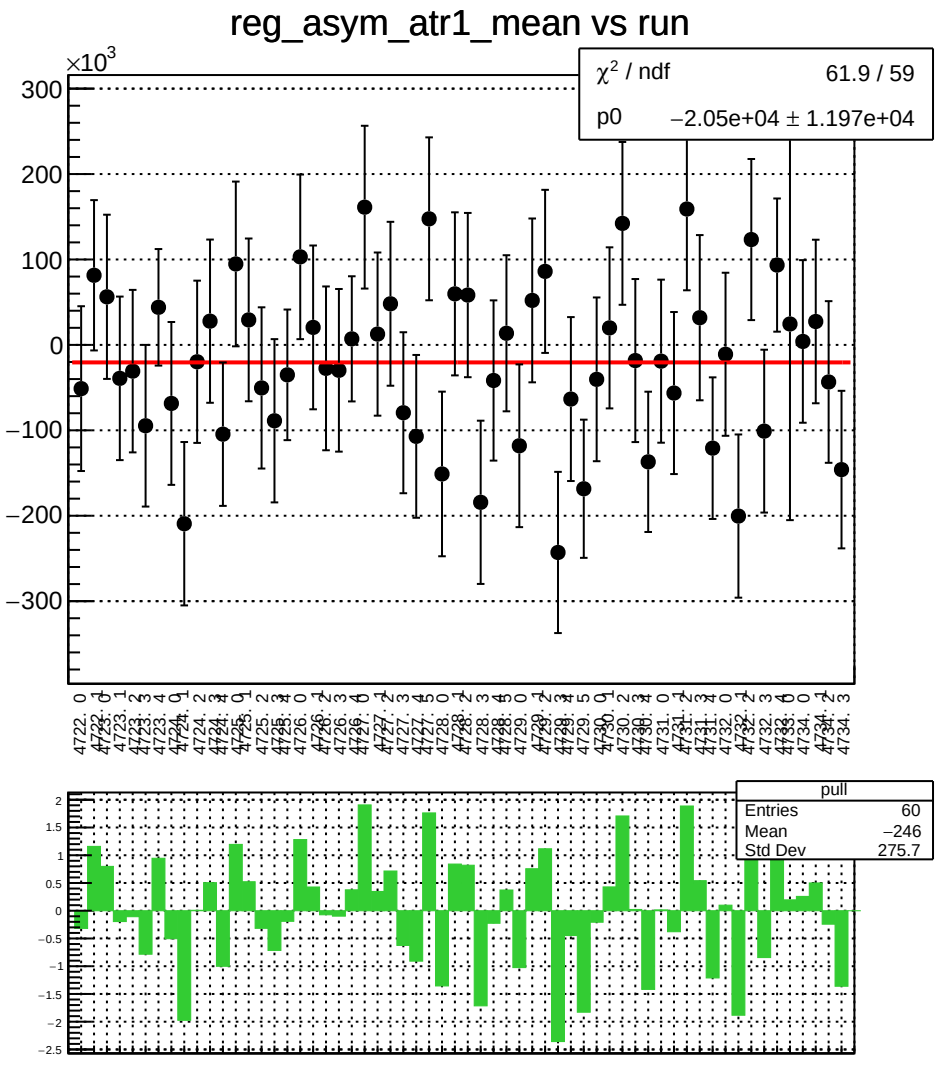

pull1D
Entries 60
Mean 0.01411
Std Dev 0.9262

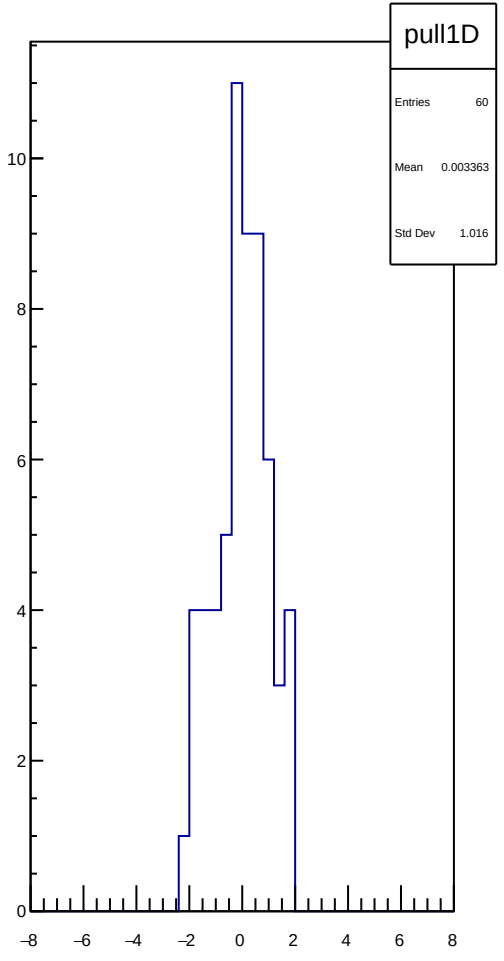

asym_atl2_correction_rms vs run
χ² / ndf 2.009e+04 / 59
p0 903.1 ± 0.8525
1400
1200
1000
800
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

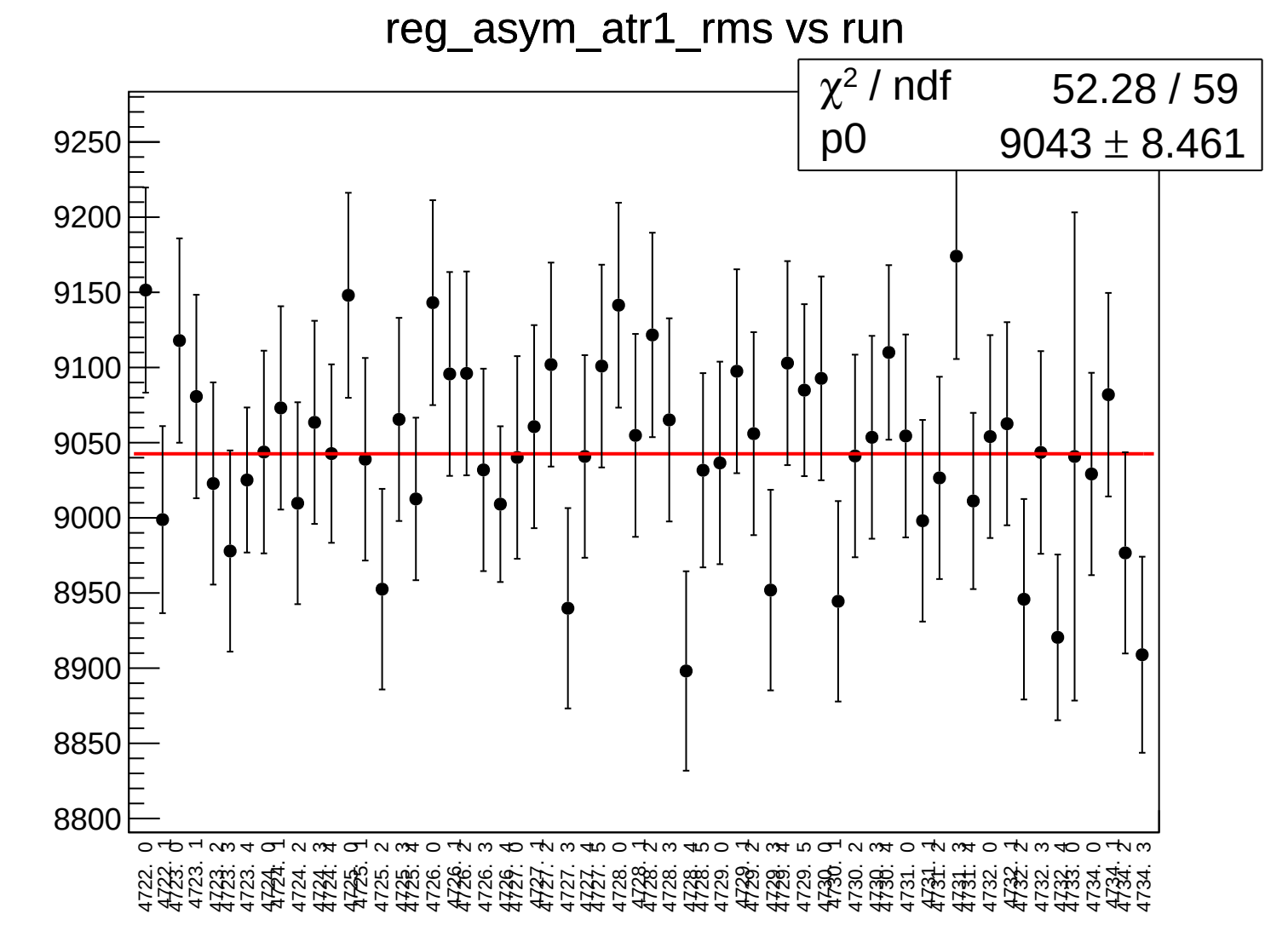

asym_atl2_mean vs run
×10^3
χ^2 / ndf 60.23 / 59
p0 9726 ± 9989
pull
Entries 60
Mean −138.6
Std Dev 172.6

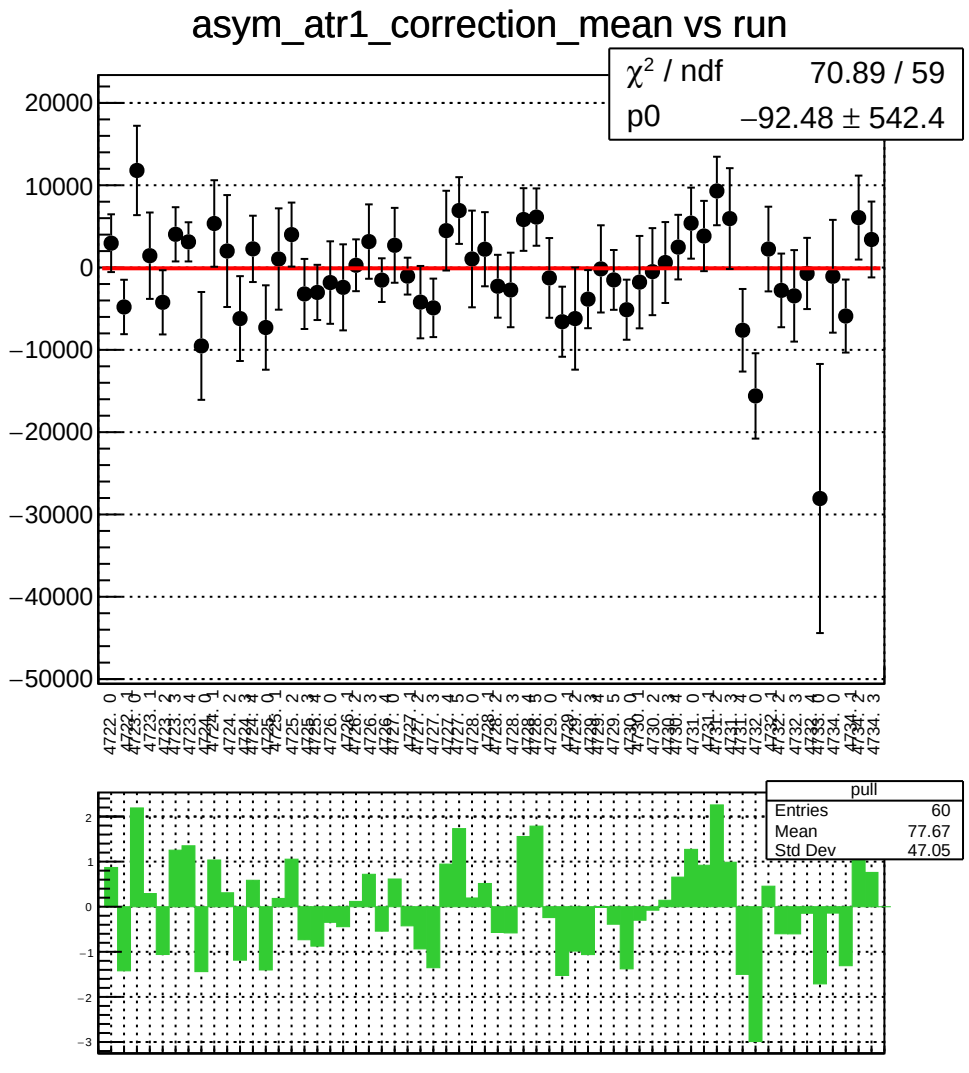

pull1D
Entries 60
Mean −0.01298
Std Dev 1.002

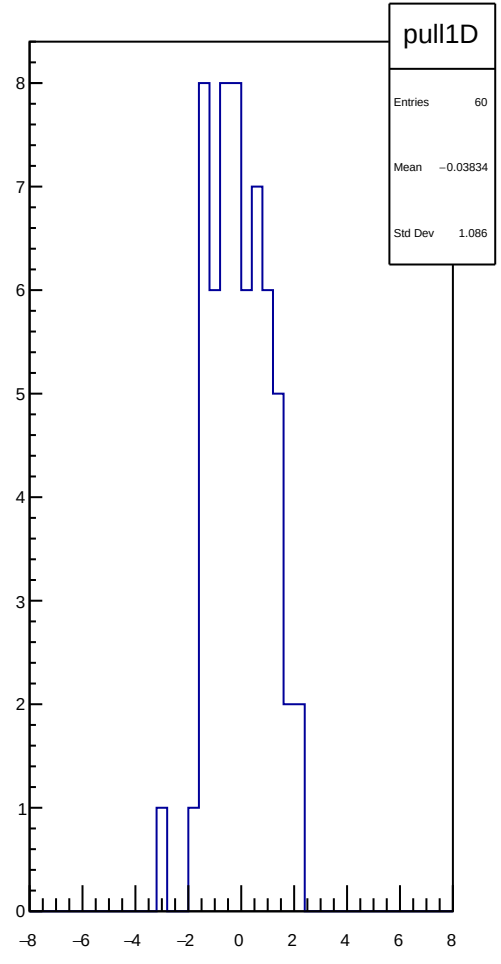

asym_atl2_rms vs run
χ² / ndf 59.69 / 59
p0 7549 ± 7.063
7750
7700
7650
7600
7550
7500
7450
7400
7350

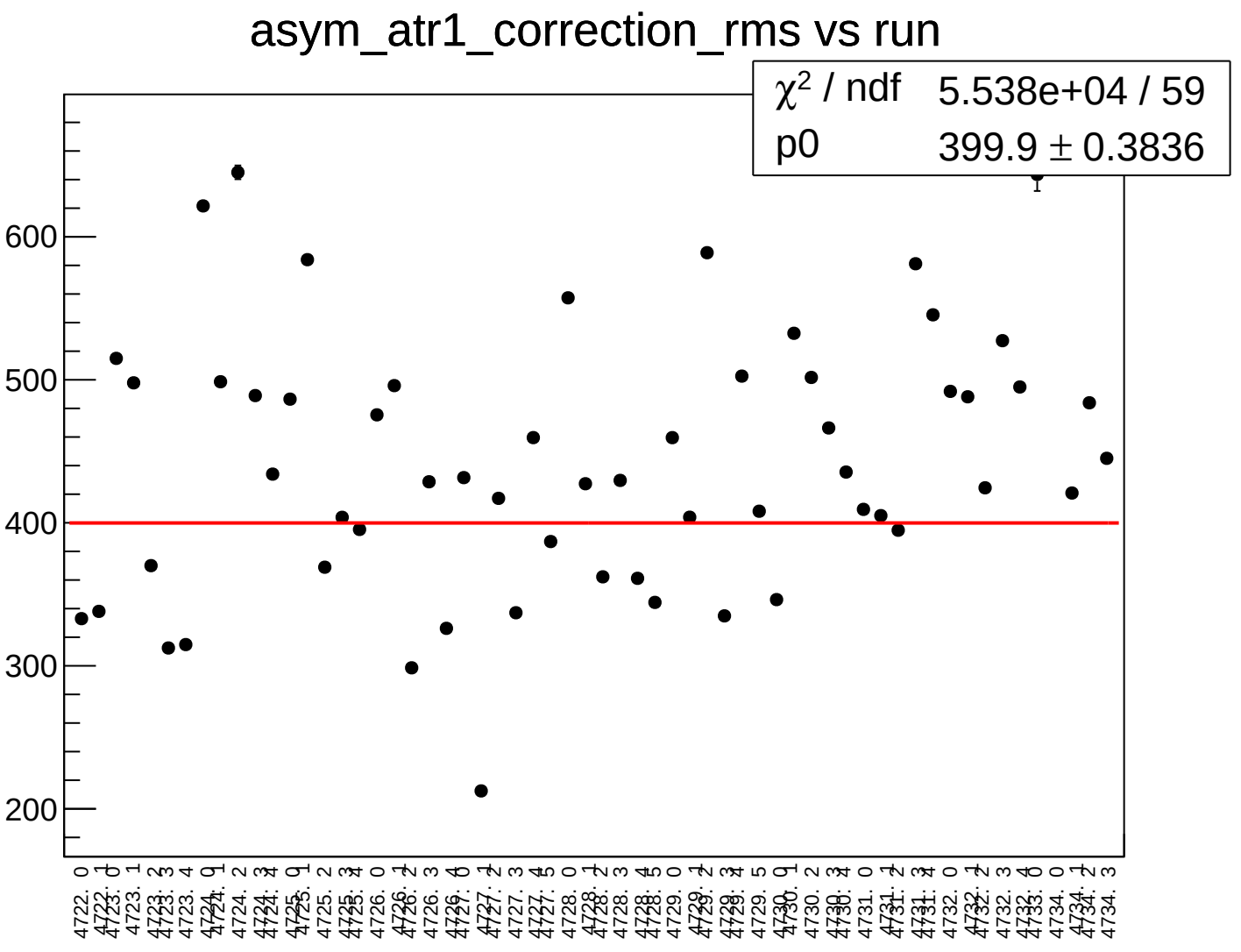

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 61.9 / 59
p0 −2.05e+04 ± 1.197e+04
pull
Entries 60
Mean −246
Std Dev 275.7

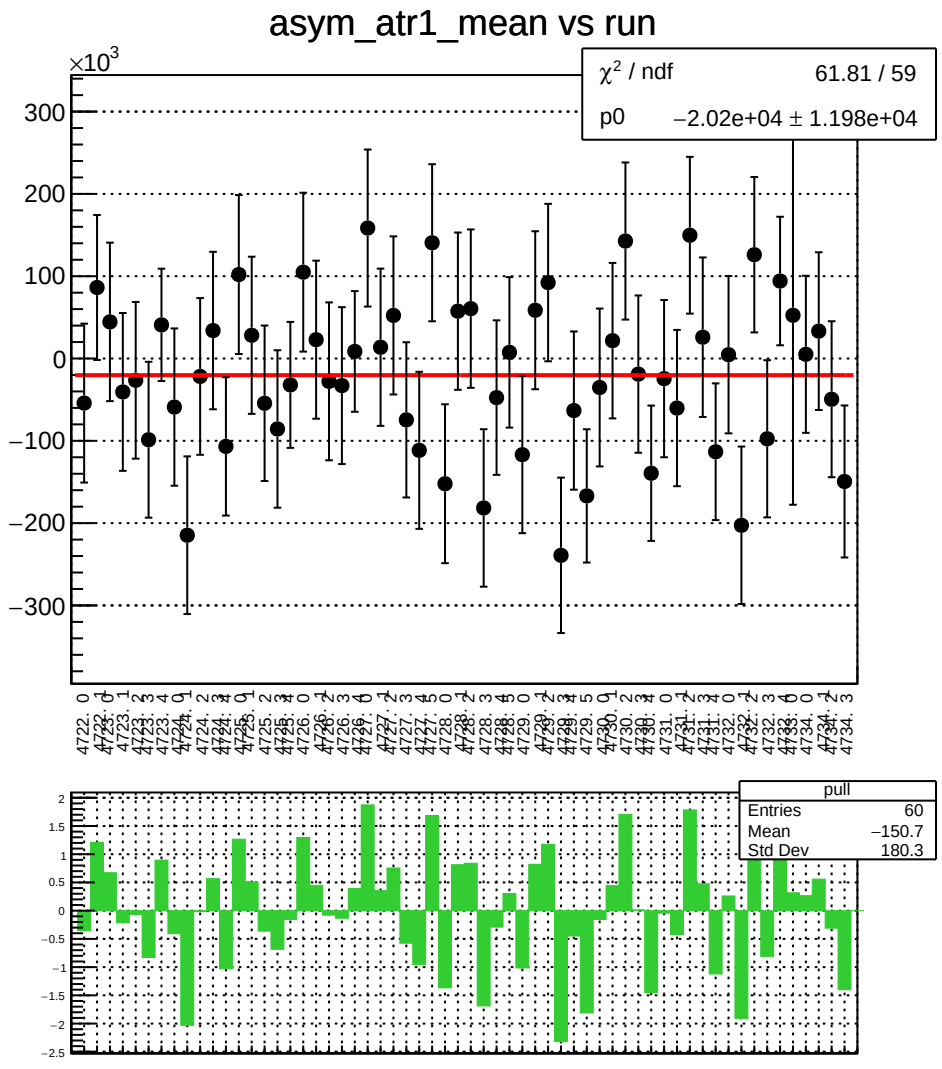

pull1D
Entries 60
Mean 0.003363
Std Dev 1.016

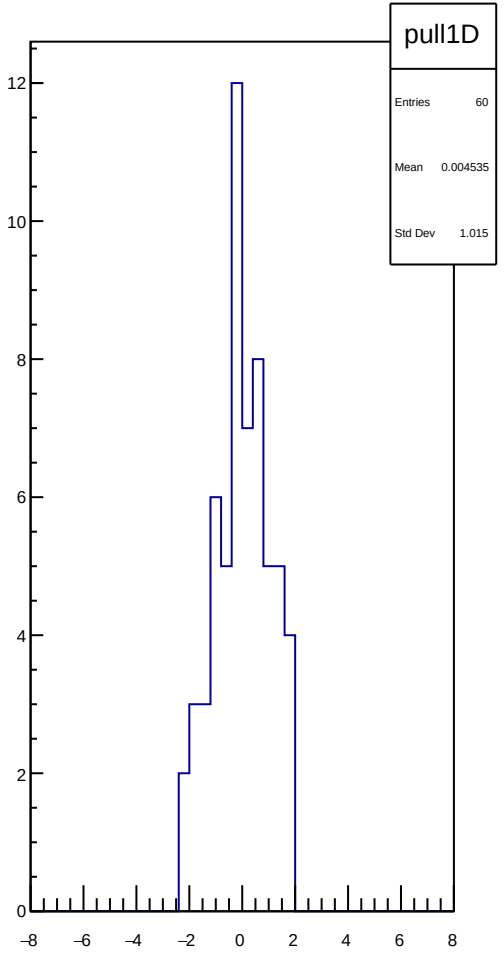

reg_asym_atr1_rms vs run
χ² / ndf 52.28 / 59
p0 9043 ± 8.461
9250
9200
9150
9100
9050
9000
8950
8900
8850
8800
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

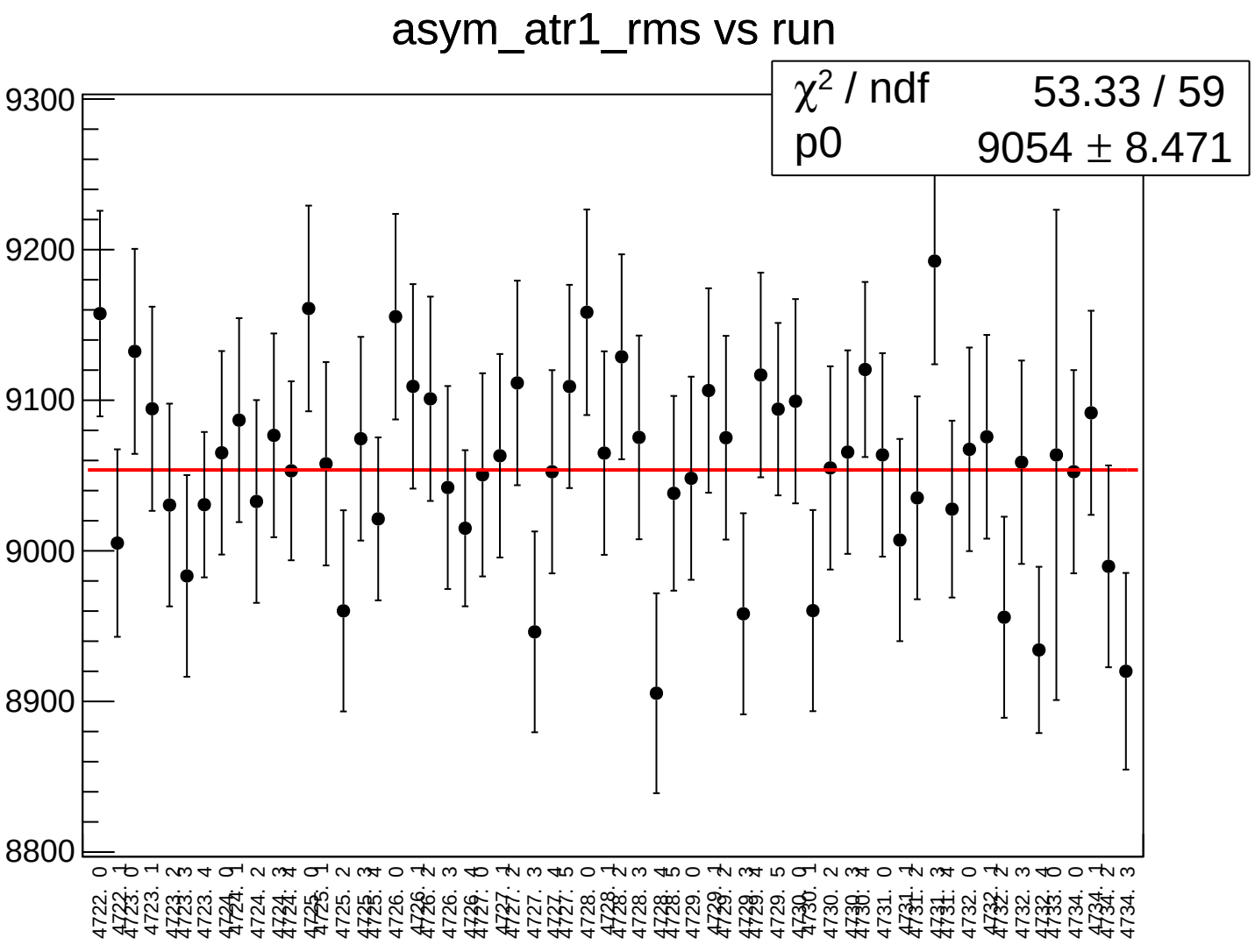

asym_atr1_correction_mean vs run
χ² / ndf 70.89 / 59
p0 −92.48 ± 542.4
pull
Entries 60
Mean 77.67
Std Dev 47.05

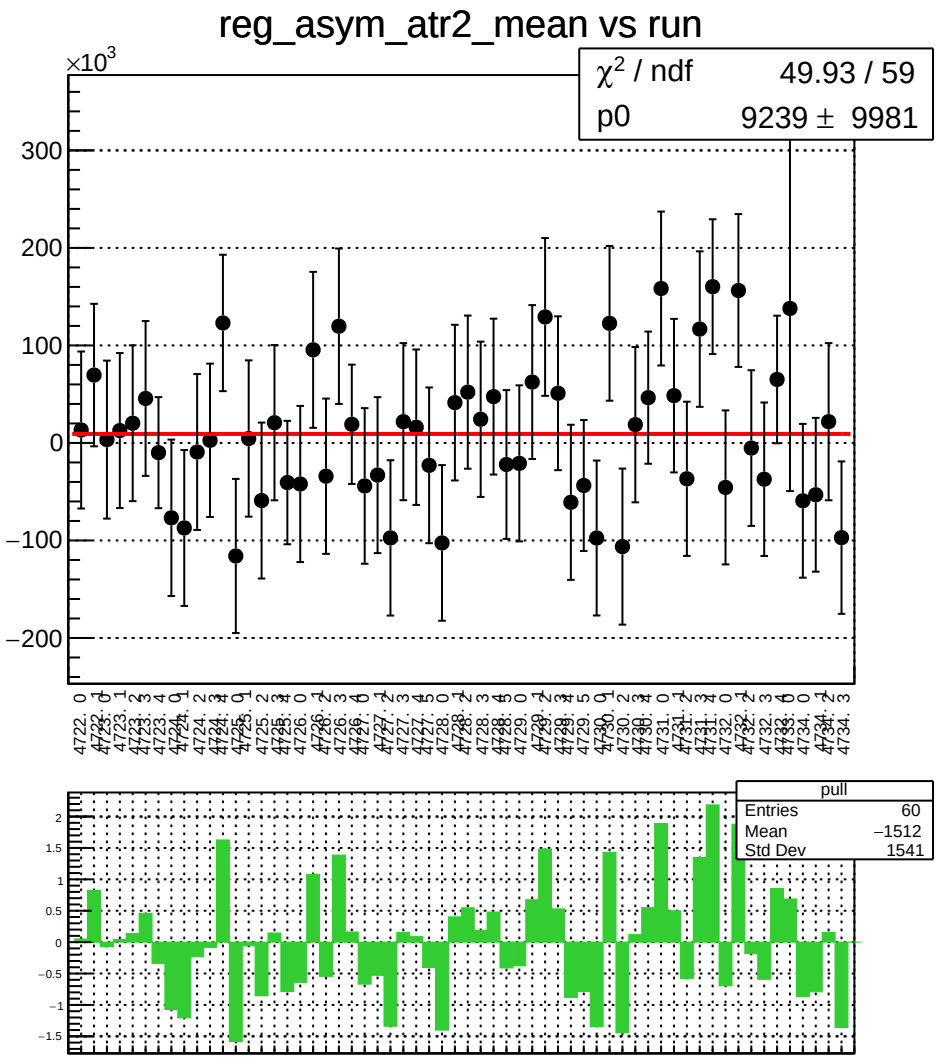

pull1D
Entries 60
Mean −0.03834
Std Dev 1.086

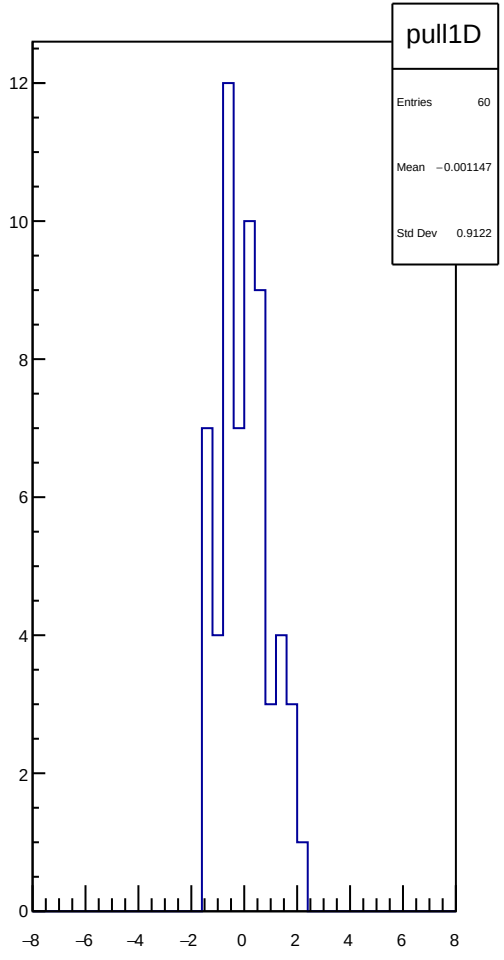

asym_atr1_correction_rms vs run
χ² / ndf 5.538e+04 / 59
p0 399.9 ± 0.3836
600
500
400
300
200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

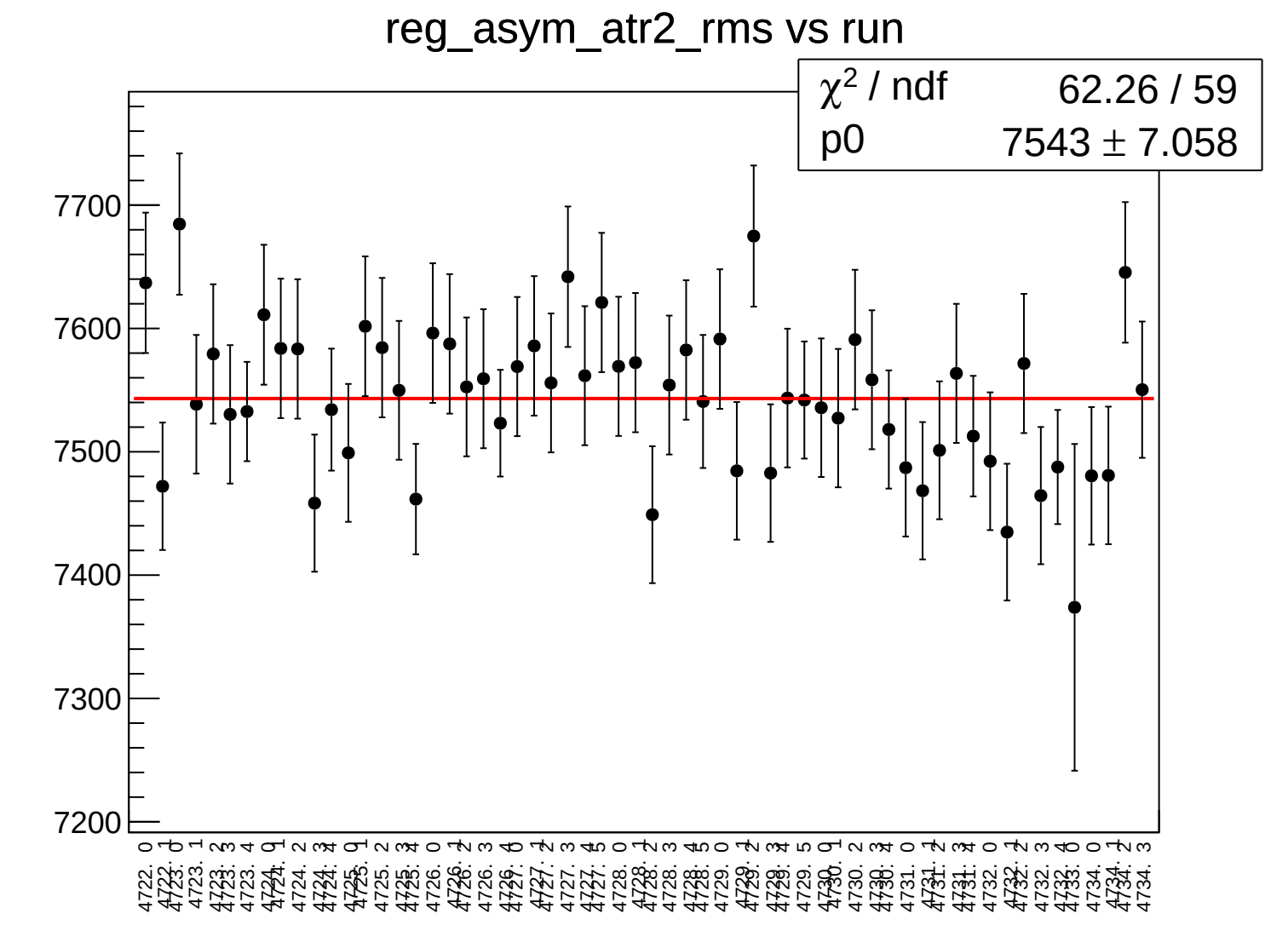

asym_atr1_mean vs run
×10^3
χ² / ndf 61.81 / 59
p0 −2.02e+04 ± 1.198e+04
pull
Entries 60
Mean −150.7
Std Dev 180.3

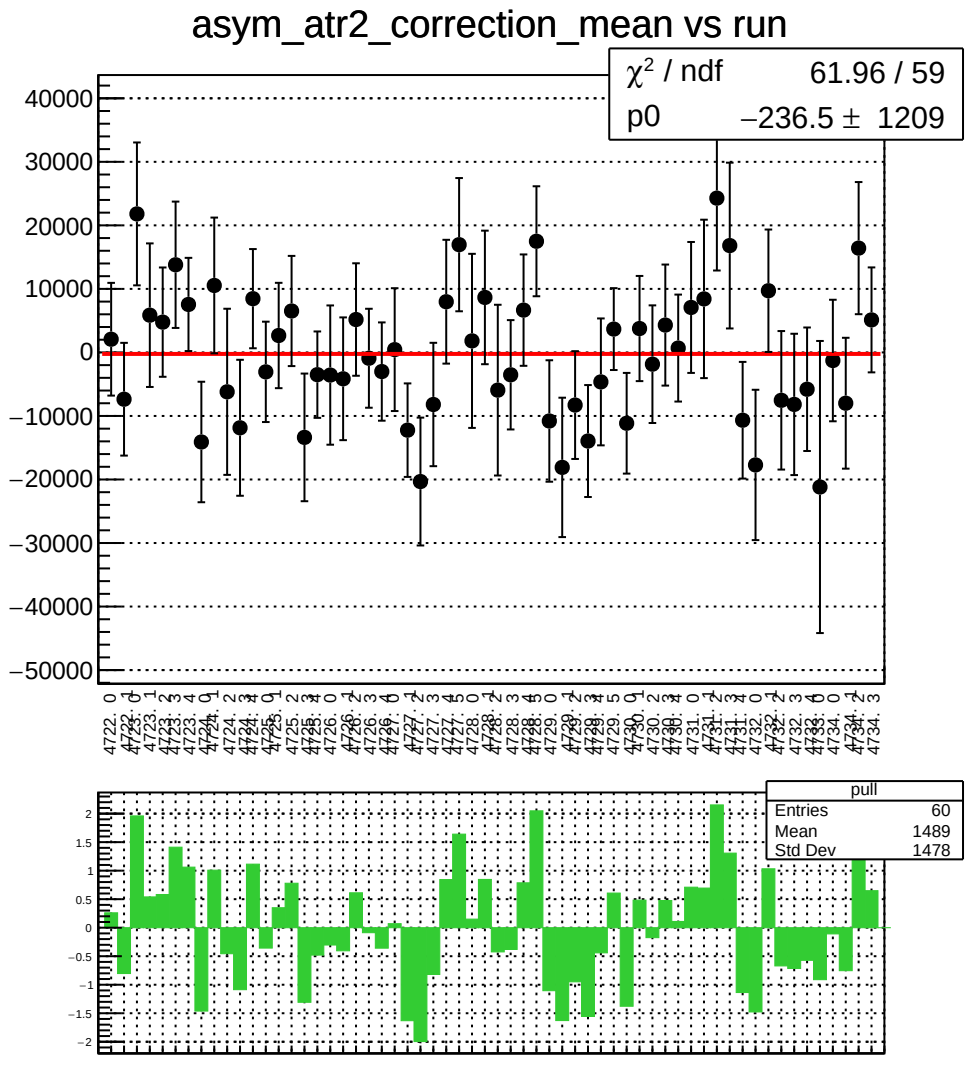

pull1D
Entries 60
Mean 0.004535
Std Dev 1.015

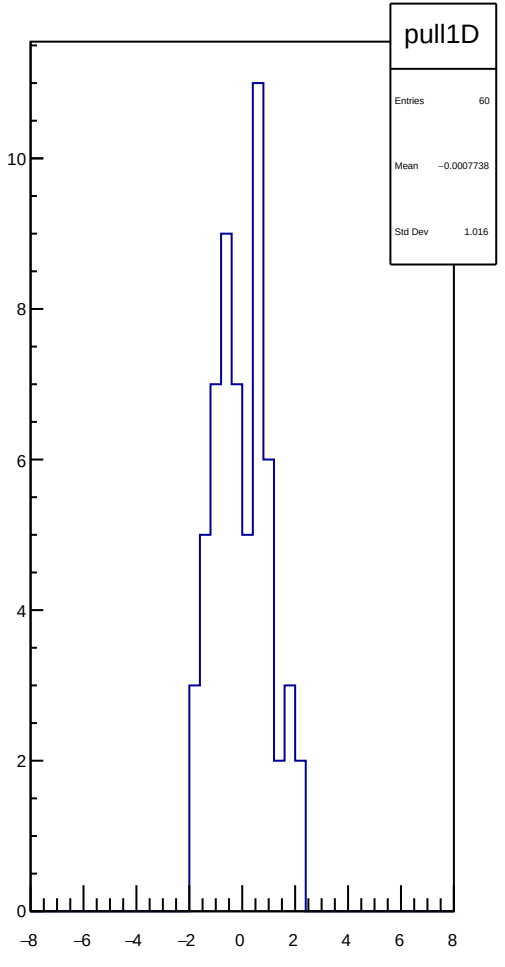

asym_atr1_rms vs run
χ² / ndf 53.33 / 59
p0 9054 ± 8.471
9300
9200
9100
9000
8900
8800
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

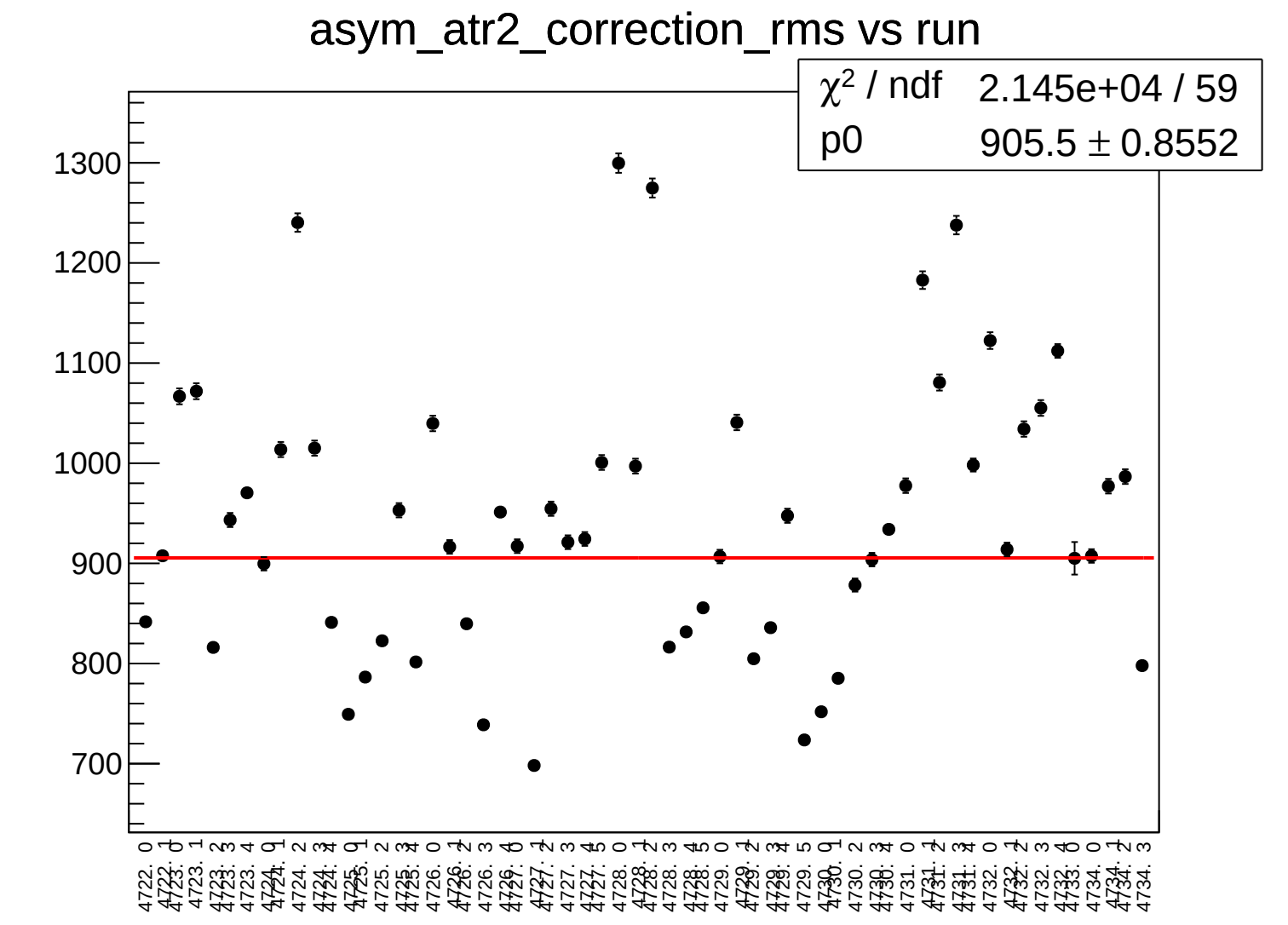

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 49.93 / 59
p0 9239 ± 9981
300
200
100
0
−100
−200
pull
Entries 60
Mean −1512
Std Dev 1541
2
1.5
1
0.5
0
−0.5
−1
−1.5

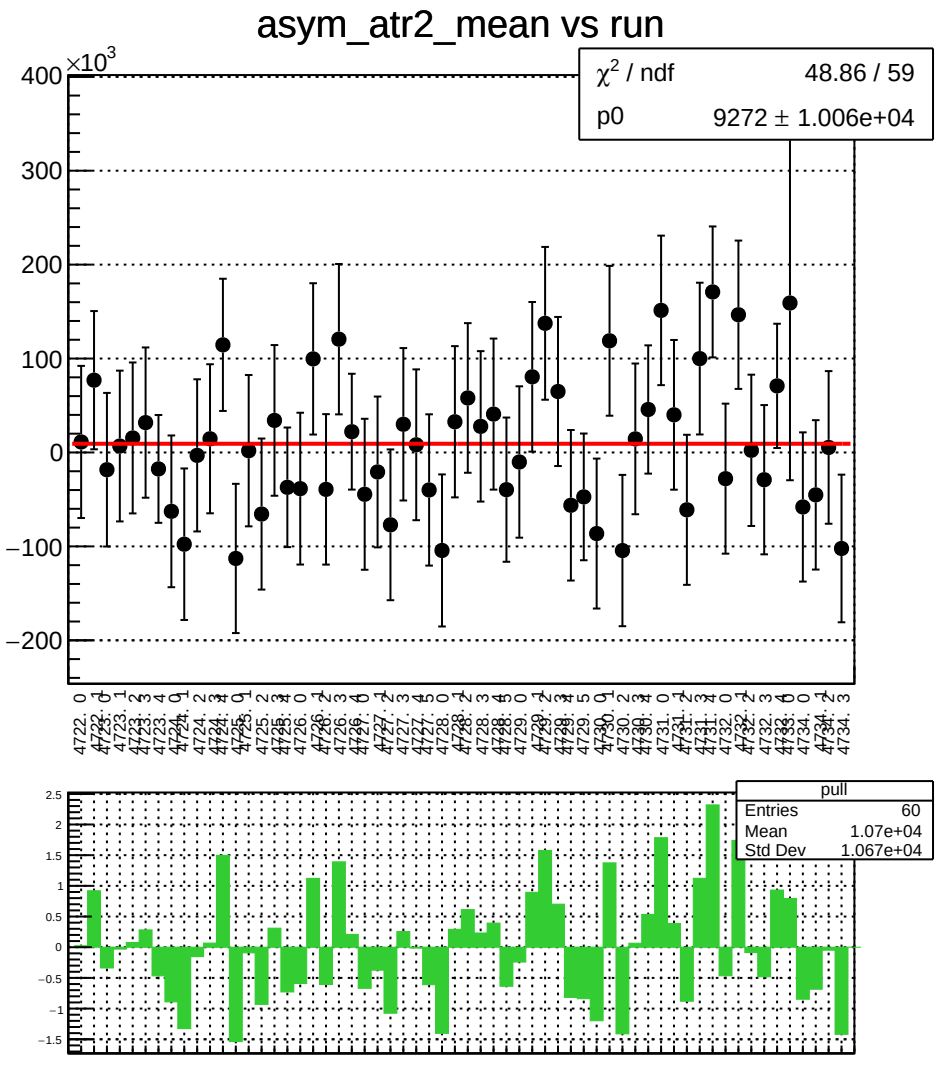

pull1D
Entries 60
Mean −0.001147
Std Dev 0.9122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

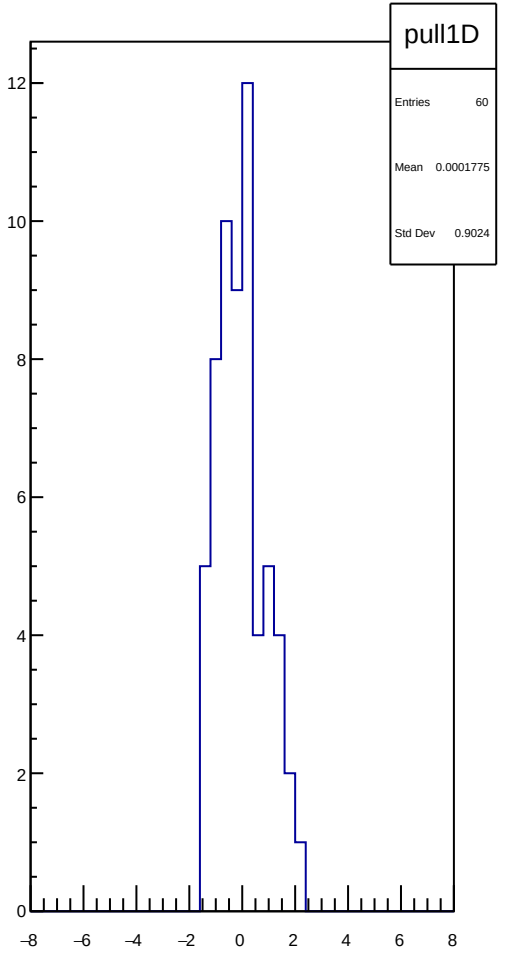

reg_asym_atr2_rms vs run
χ² / ndf 62.26 / 59
p0 7543 ± 7.058
7700
7600
7500
7400
7300
7200

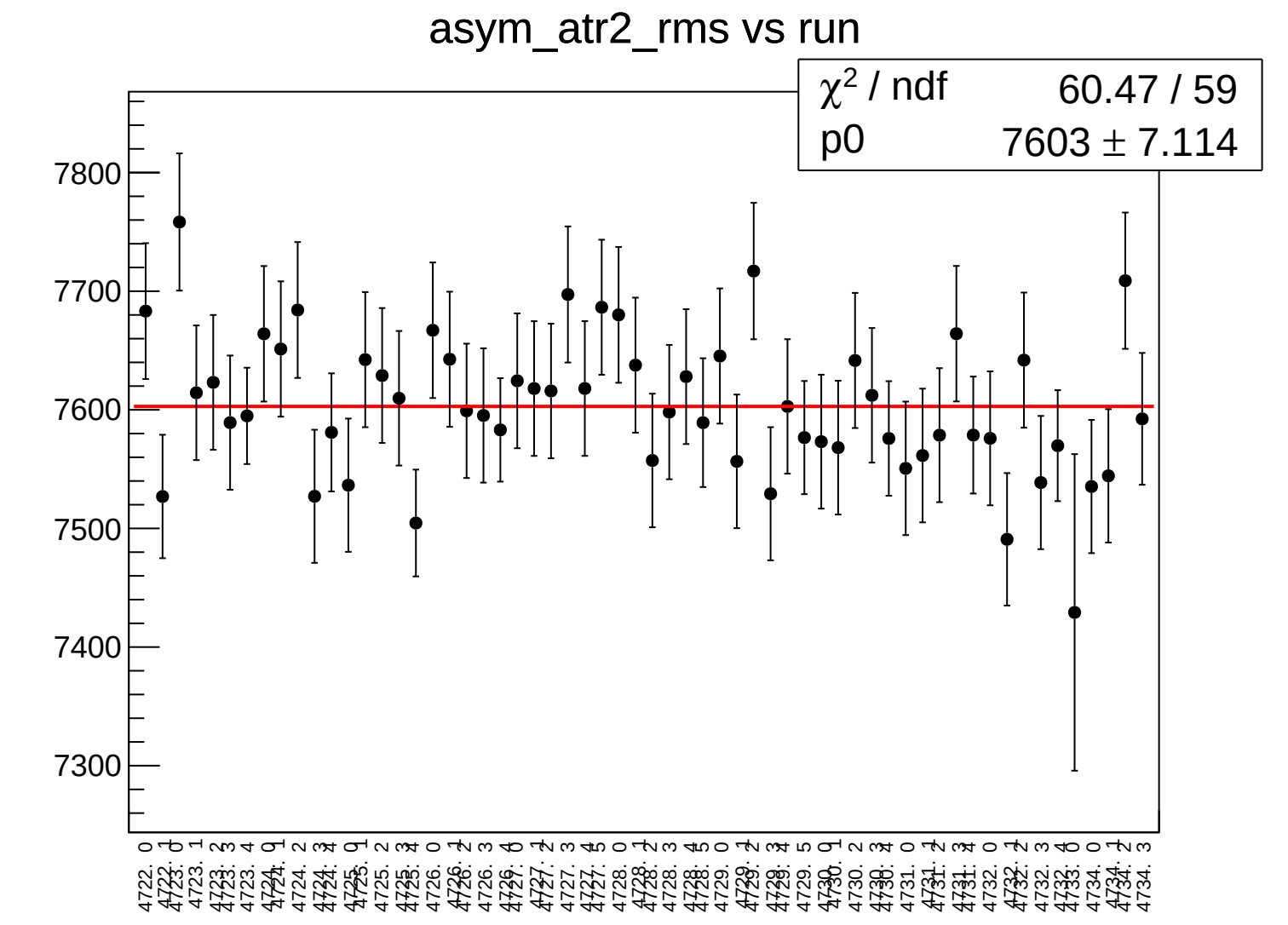

asym_atr2_correction_mean vs run
χ² / ndf 61.96 / 59
p0 −236.5 ± 1209
pull
Entries 60
Mean 1489
Std Dev 1478

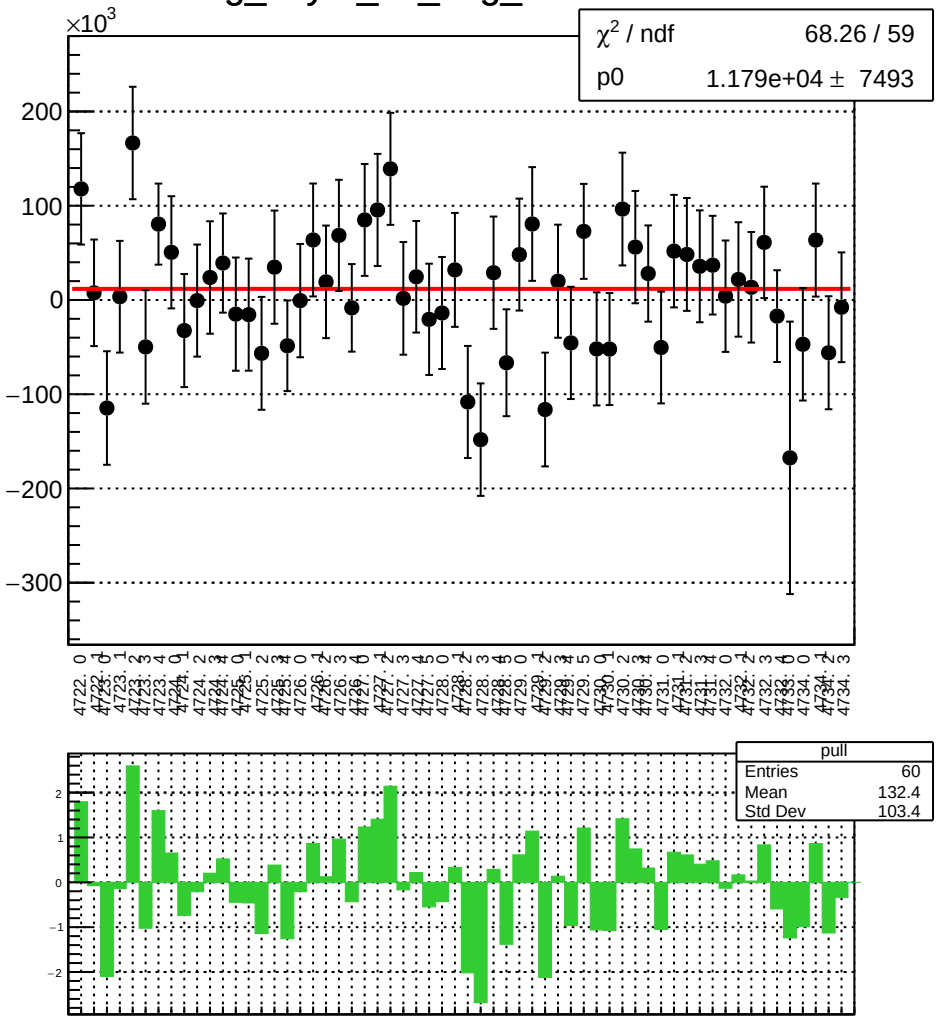

pull1D
Entries 60
Mean −0.0007738
Std Dev 1.016

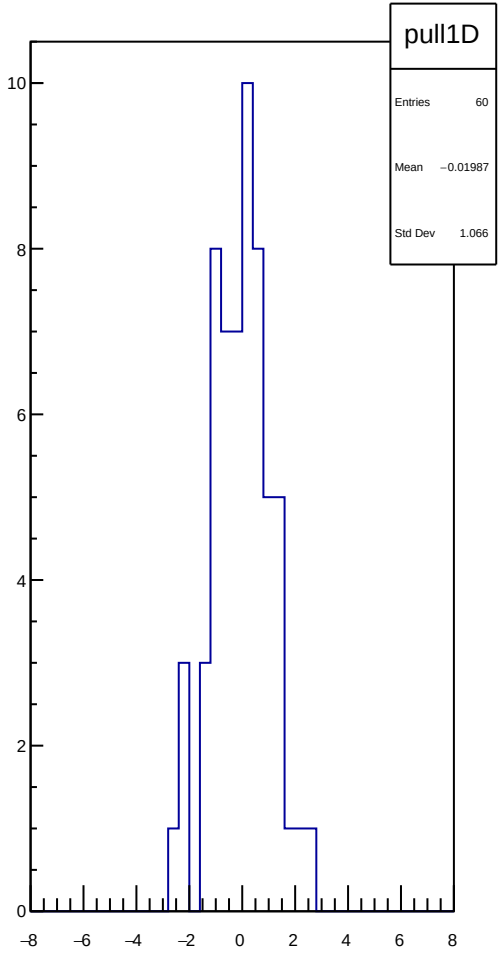

asym_atr2_correction_rms vs run
χ² / ndf 2.145e+04 / 59
p0 905.5 ± 0.8552
1300
1200
1100
1000
900
800
700
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

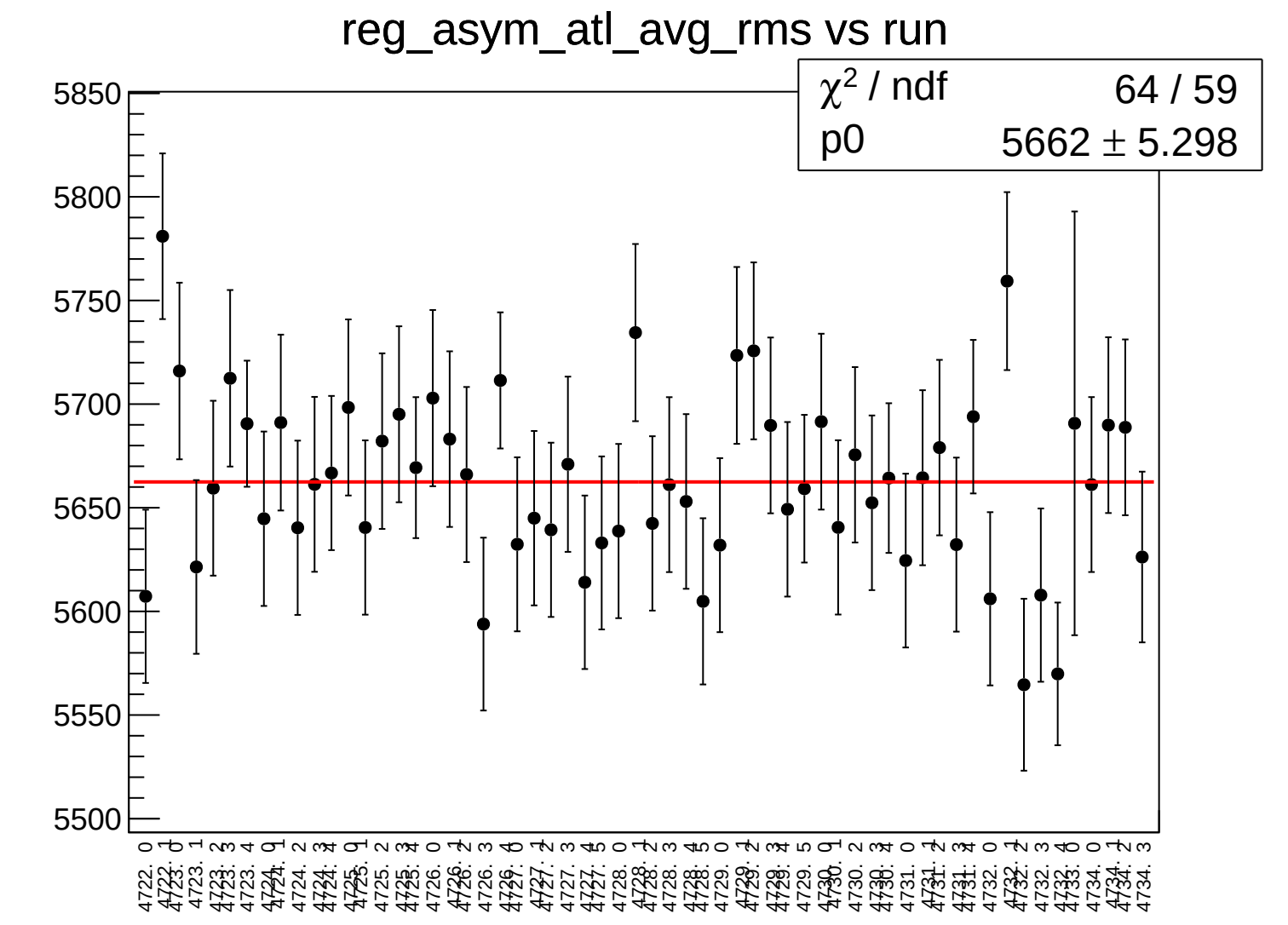

asym_atr2_mean vs run
χ^2 / ndf 48.86 / 59
p0 9272 ± 1.006e+04
×10^3
pull
Entries 60
Mean 1.07e+04
Std Dev 1.067e+04

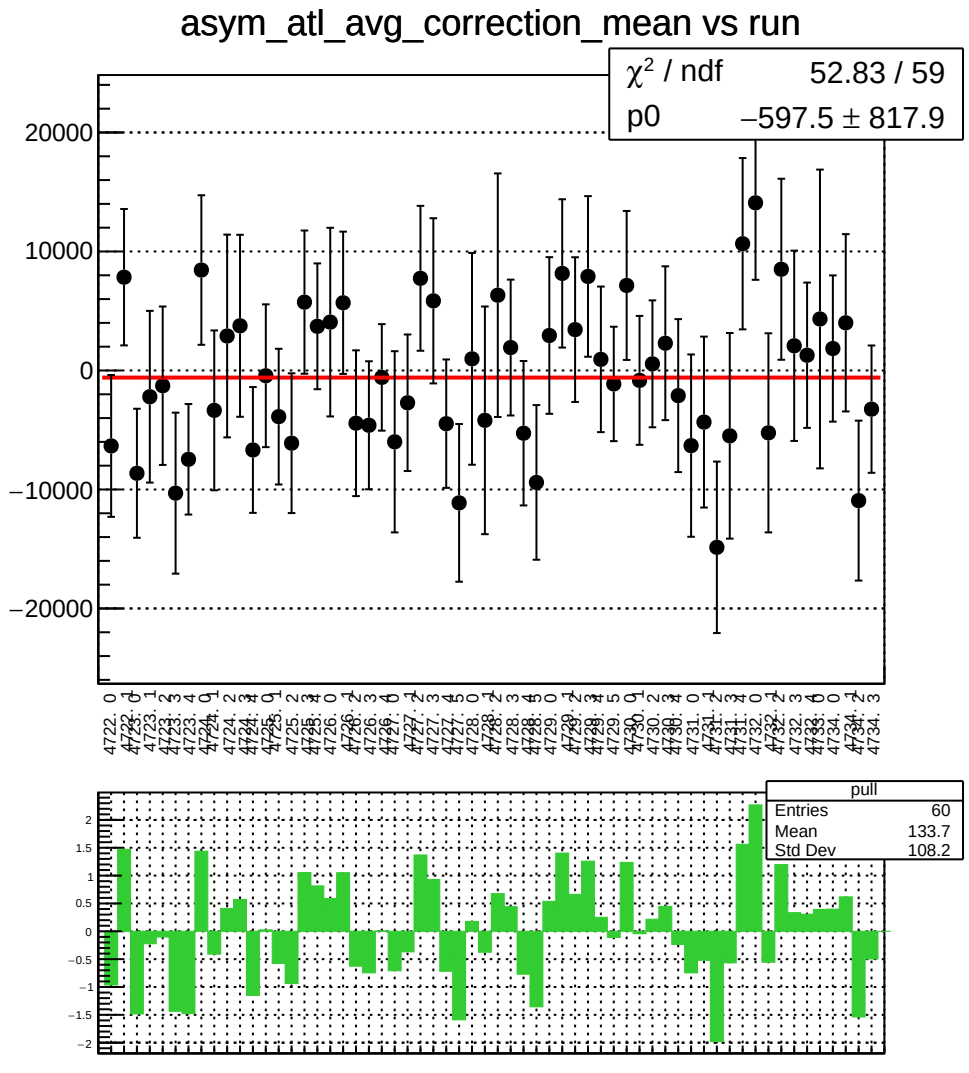

pull1D
Entries 60
Mean 0.0001775
Std Dev 0.9024

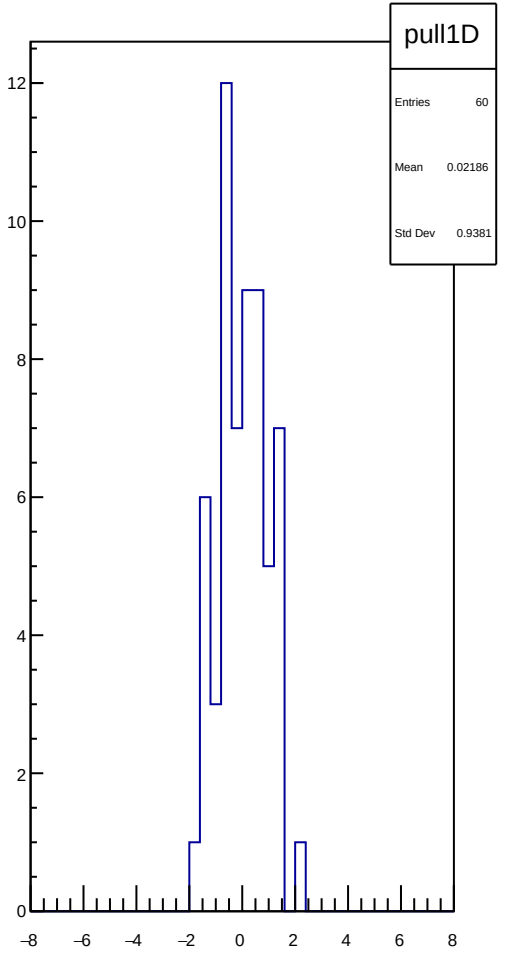

asym_atr2_rms vs run
χ^2 / ndf 60.47 / 59
p0 7603 ± 7.114
7800
7700
7600
7500
7400
7300
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

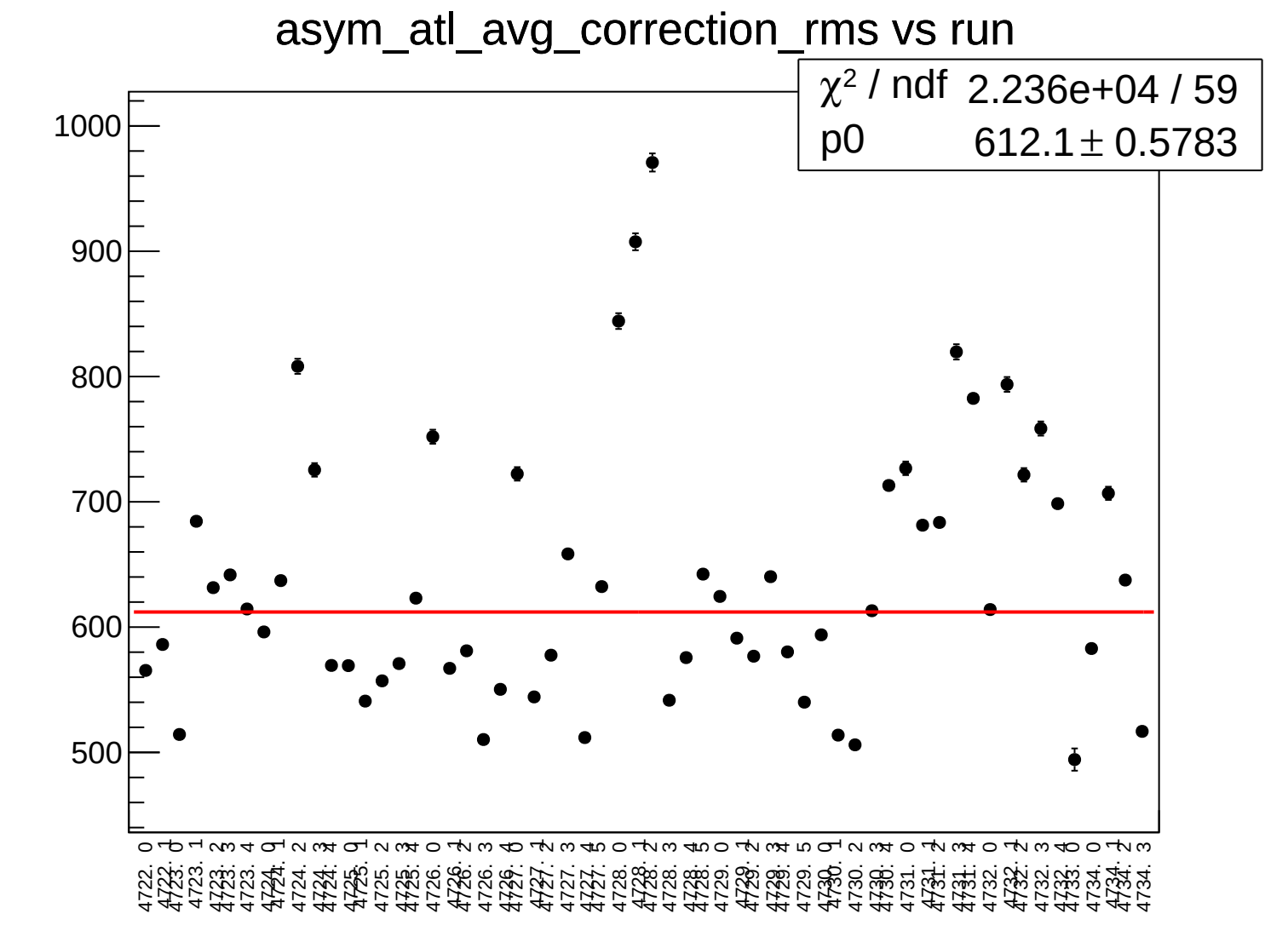

reg_asym_atl_avg_mean vs run
χ² / ndf 68.26 / 59
p0 1.179e+04 ± 7493
pull
Entries 60
Mean 132.4
Std Dev 103.4

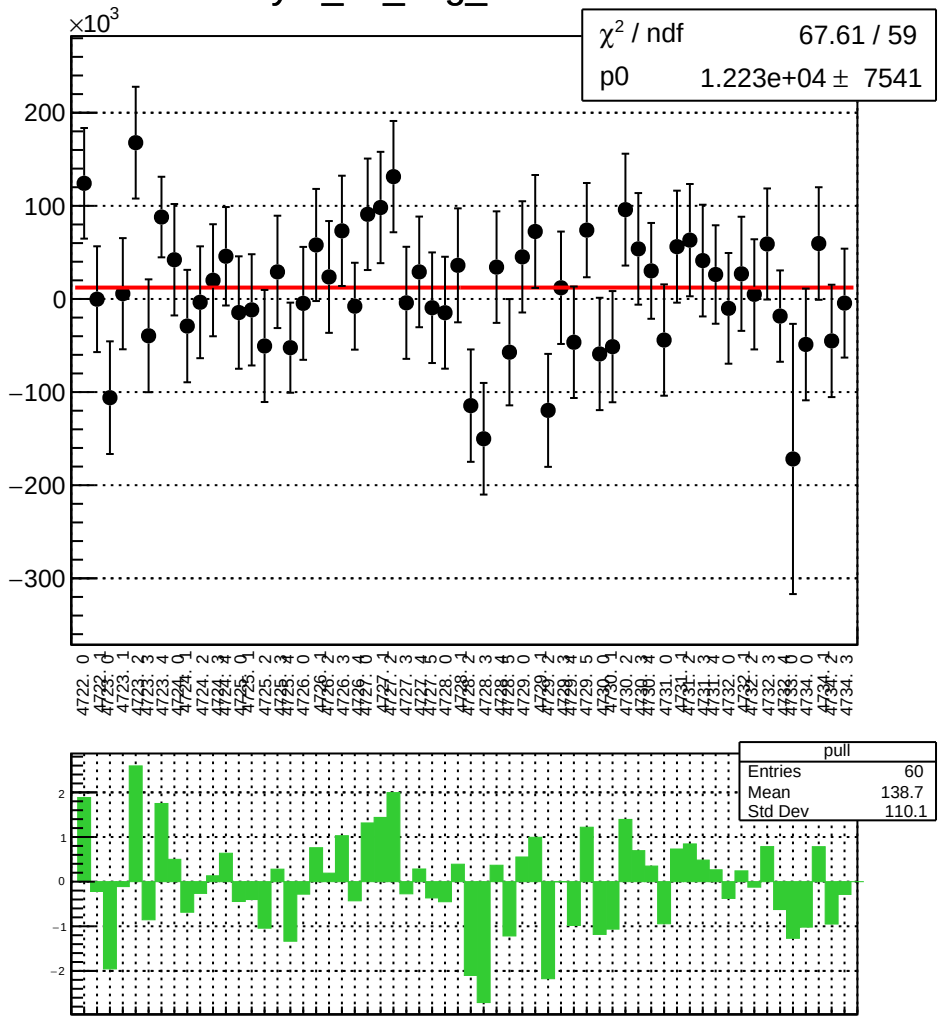

pull1D
Entries 60
Mean −0.01987
Std Dev 1.066

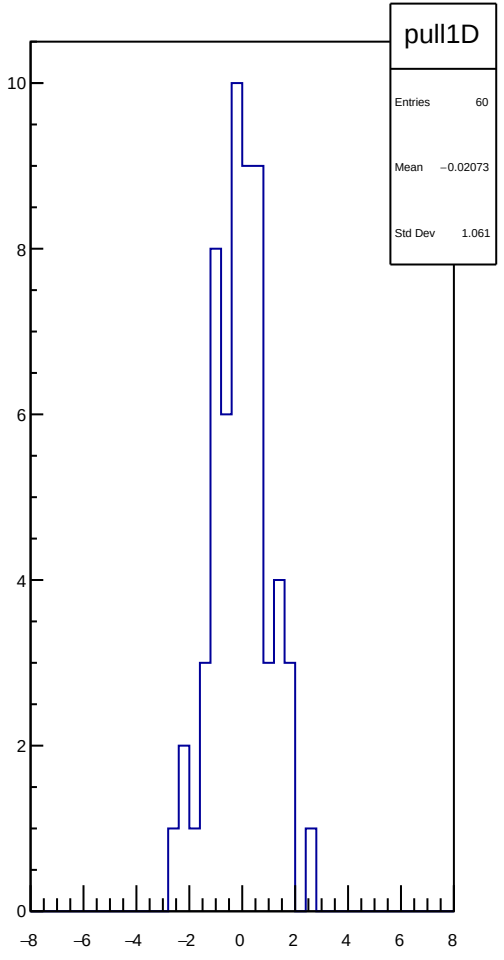

reg_asym_atl_avg_rms vs run
χ^2 / ndf 64 / 59
p0 5662 ± 5.298
5850
5800
5750
5700
5650
5600
5550
5500

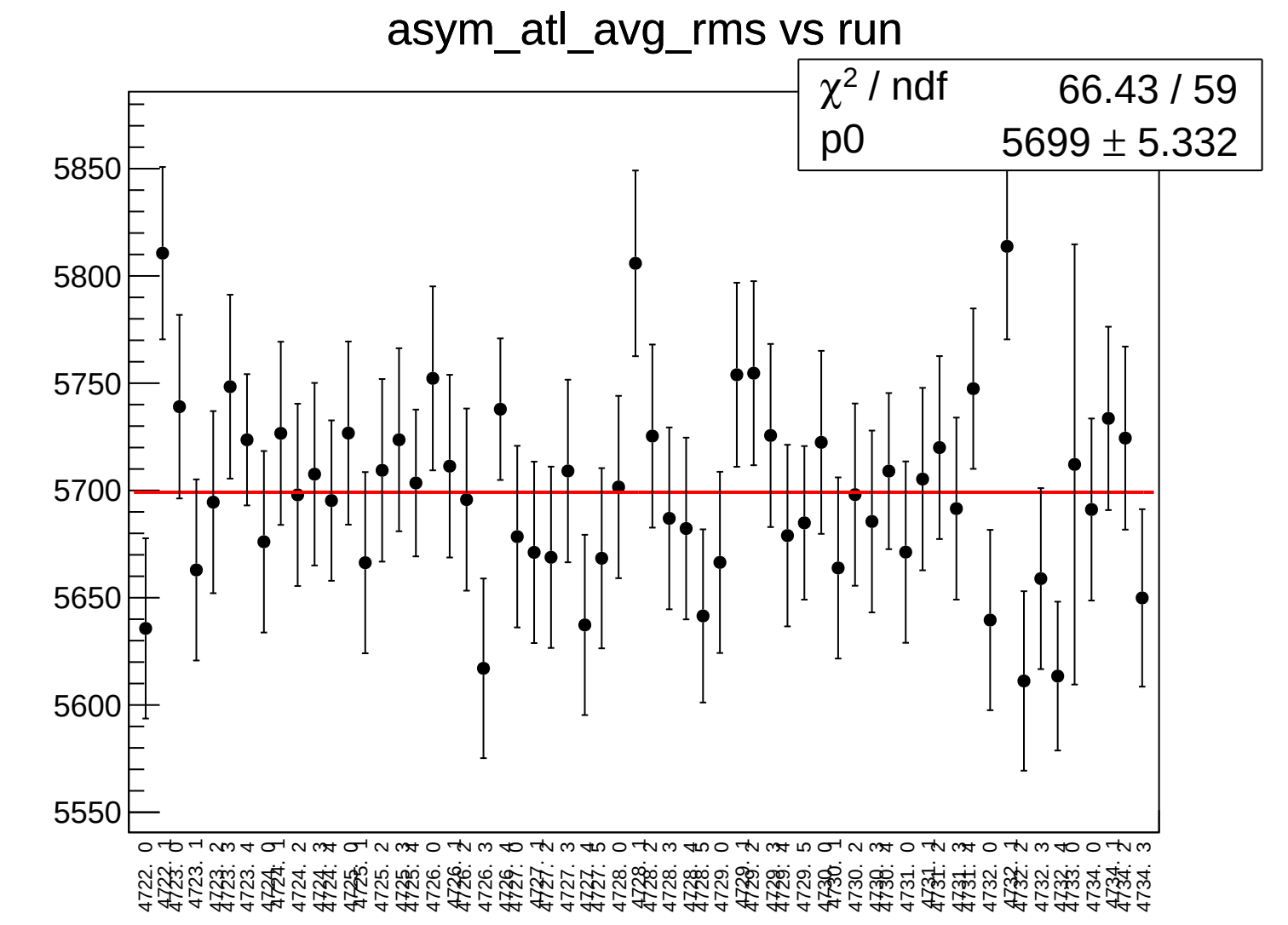

asym_atl_avg_correction_mean vs run
χ² / ndf 52.83 / 59
p0 −597.5 ± 817.9
20000
10000
0
−10000
−20000
pull
Entries 60
Mean 133.7
Std Dev 108.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

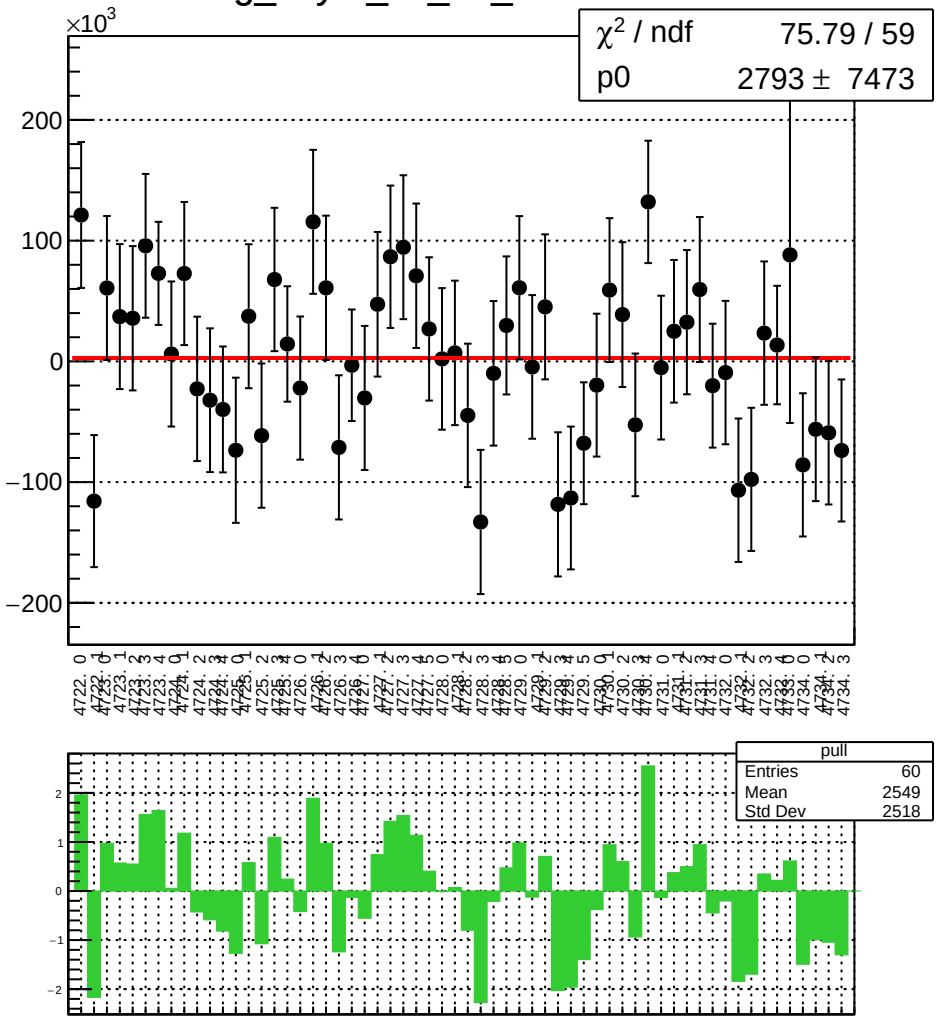

pull1D
Entries 60
Mean 0.02186
Std Dev 0.9381
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

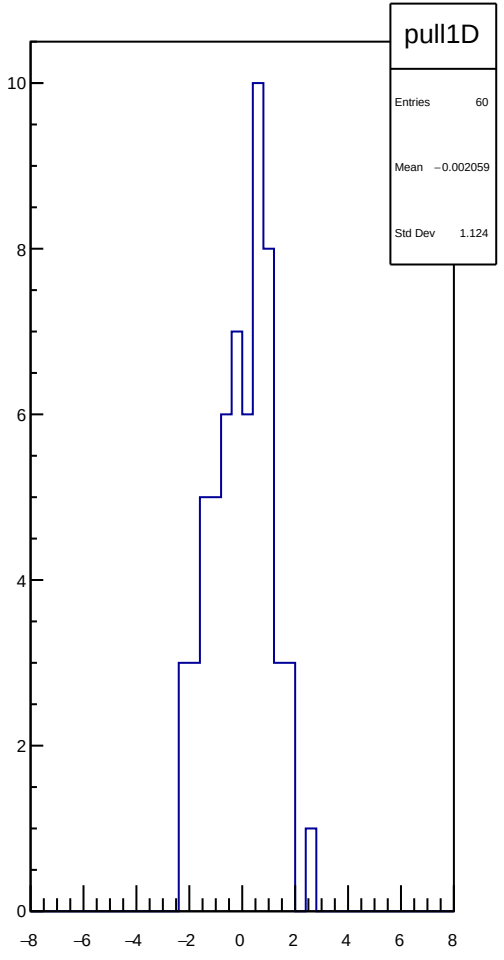

asym_atl_avg_correction_rms vs run
χ² / ndf 2.236e+04 / 59
p0 612.1 ± 0.5783
1000
900
800
700
600
500
4722. 0
4722. 1
4722. 2
4722. 3
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4724. 5
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4725. 5
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4726. 5
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4730. 5
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4731. 5
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4732. 5
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

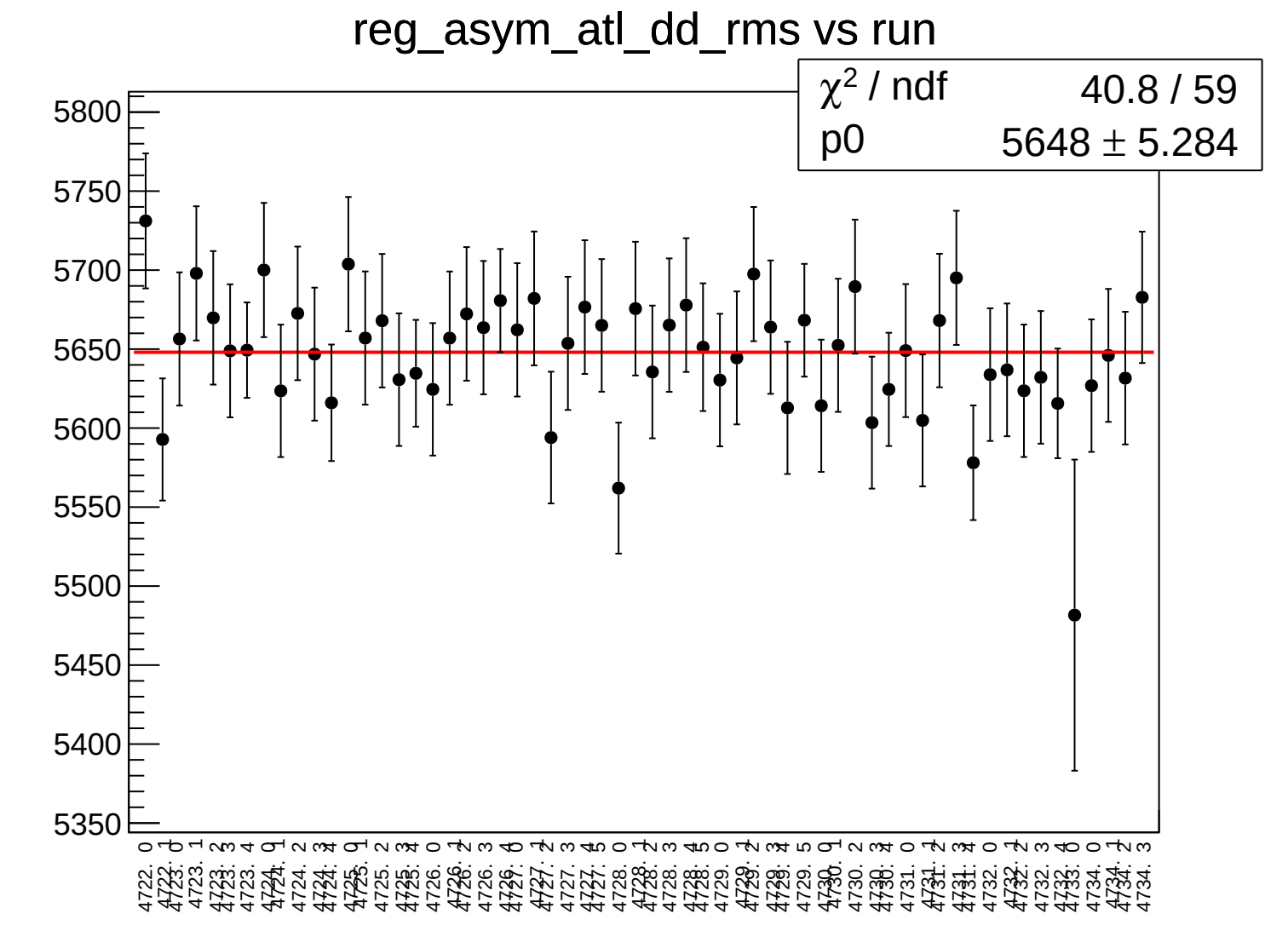

asym_atl_avg_mean vs run
×10^3
χ² / ndf 67.61 / 59
p0 1.223e+04 ± 7541
200
100
0
−100
−200
−300
pull
Entries 60
Mean 138.7
Std Dev 110.1
2
1
0
−1
−2

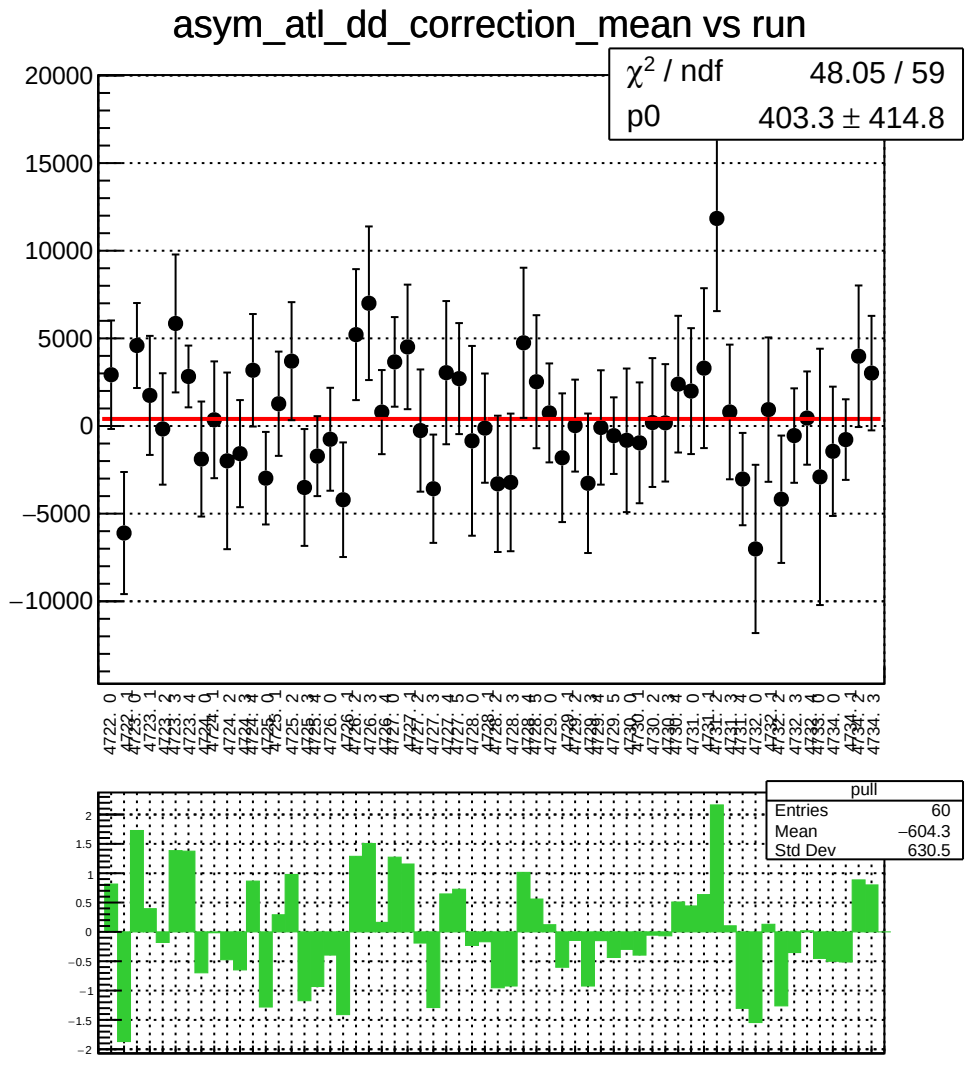

pull1D
Entries 60
Mean −0.02073
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

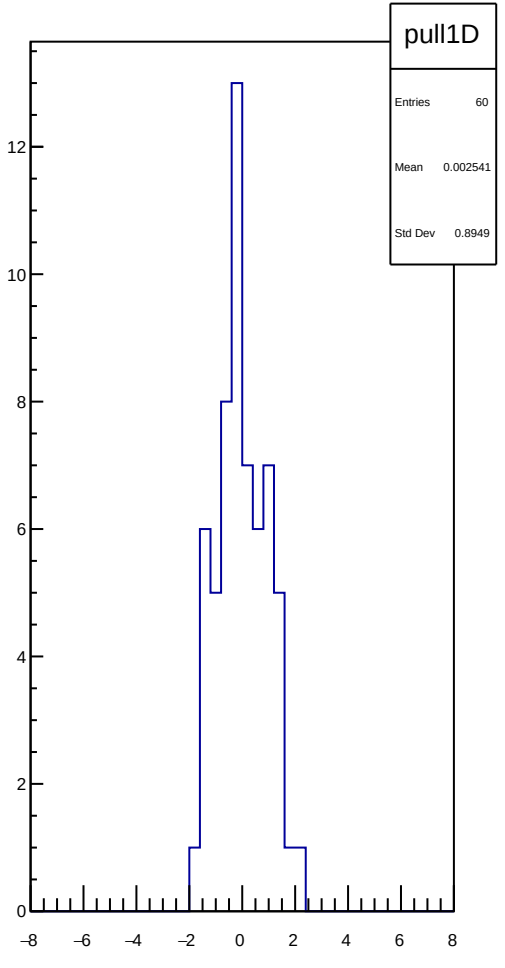

asym_atl_avg_rms vs run
χ² / ndf 66.43 / 59
p0 5699 ± 5.332
5850
5800
5750
5700
5650
5600
5550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

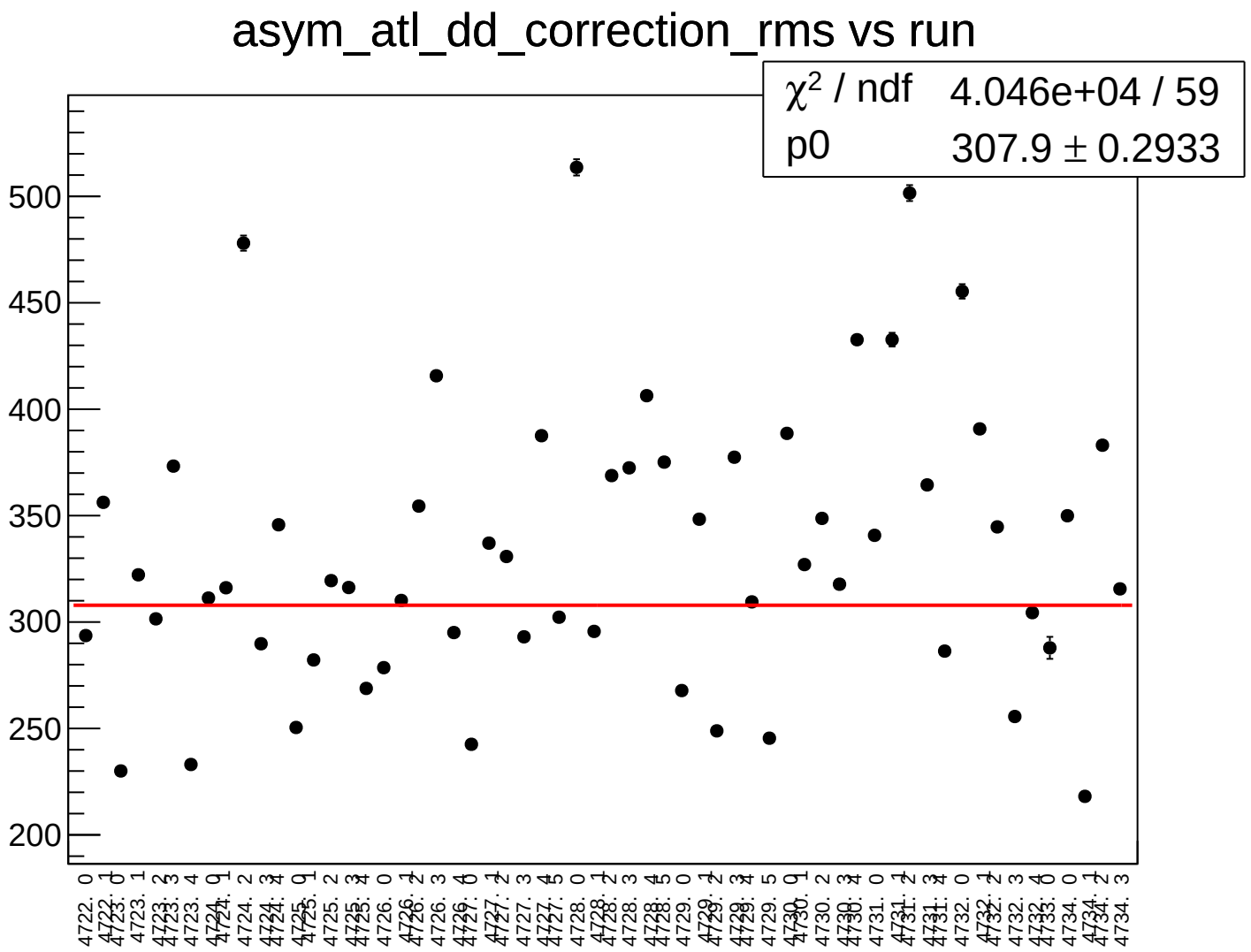

reg_asym_atl_dd_mean vs run
×10^3
χ² / ndf 75.79 / 59
p0 2793 ± 7473
200
100
0
−100
−200
pull
Entries 60
Mean 2549
Std Dev 2518
2
1
0
−1
−2

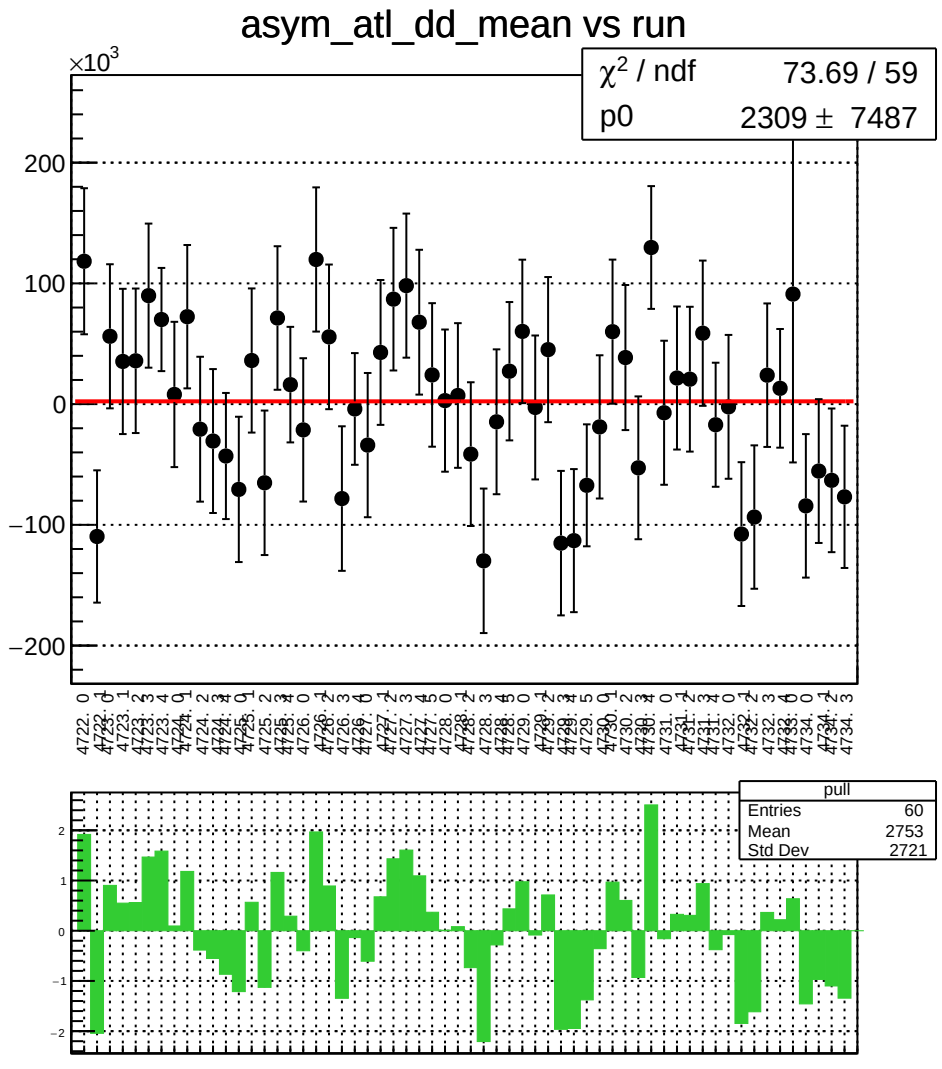

pull1D
Entries 60
Mean −0.002059
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

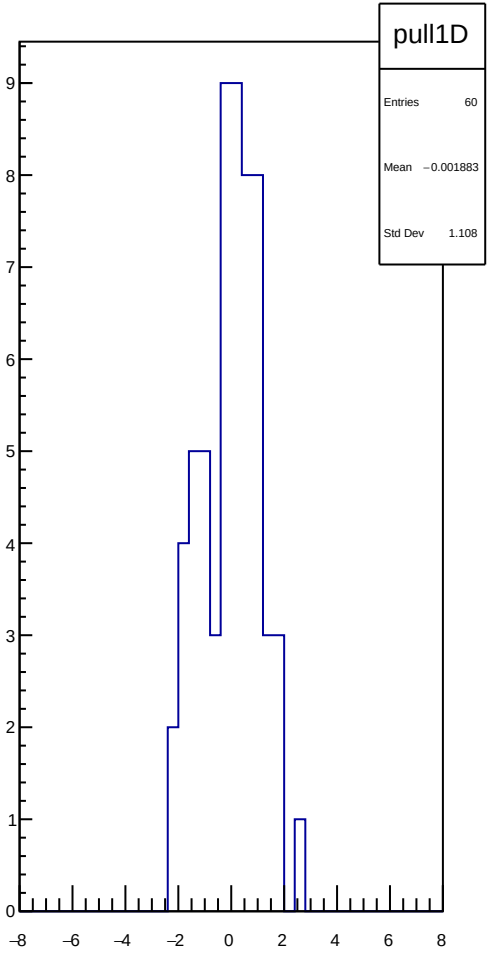

reg_asym_atl_dd_rms vs run
χ^2 / ndf 40.8 / 59
p0 5648 ± 5.284
5800
5750
5700
5650
5600
5550
5500
5450
5400
5350

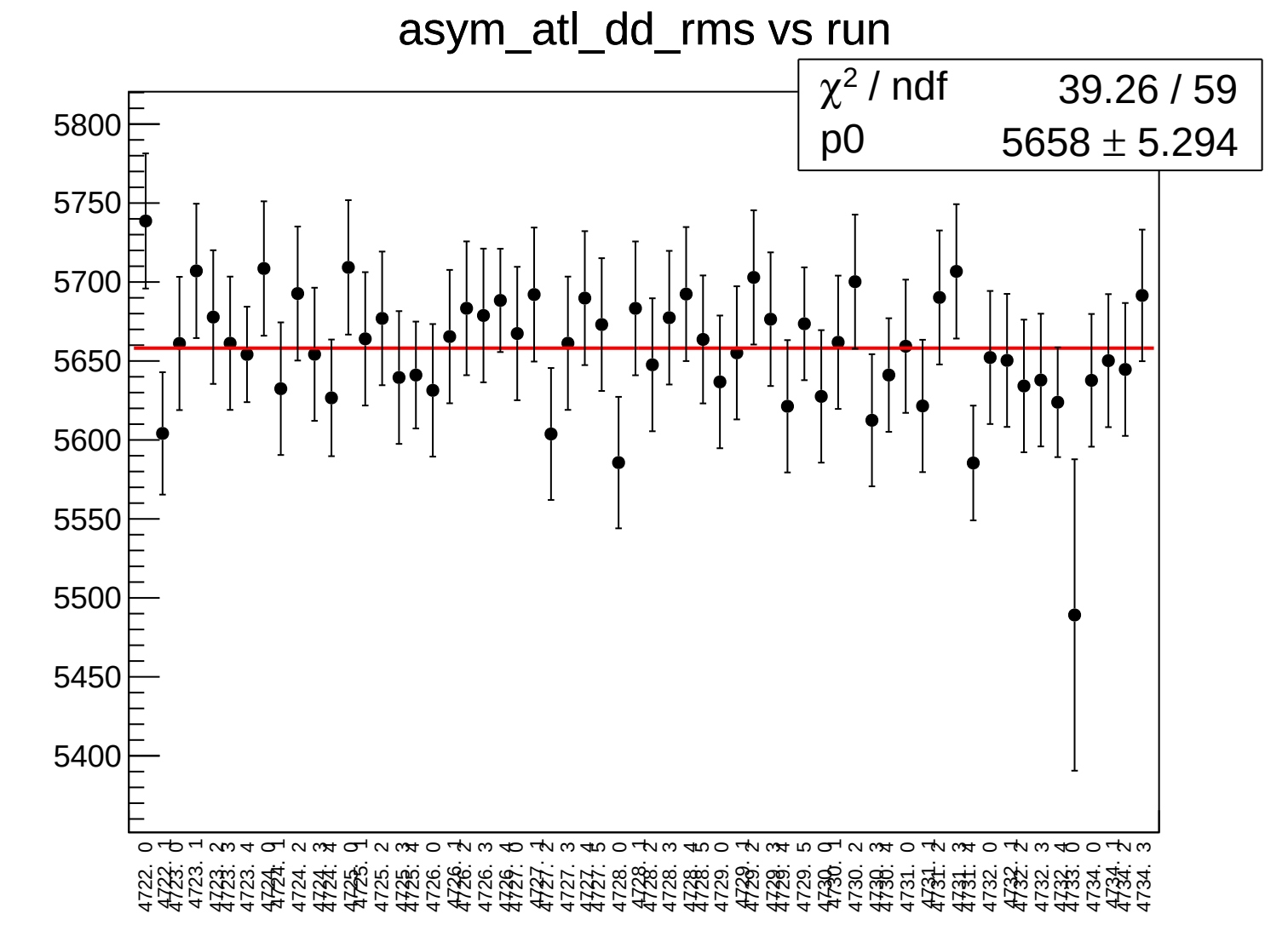

asym_atl_dd_correction_mean vs run
χ² / ndf 48.05 / 59
p0 403.3 ± 414.8
pull
Entries 60
Mean −604.3
Std Dev 630.5

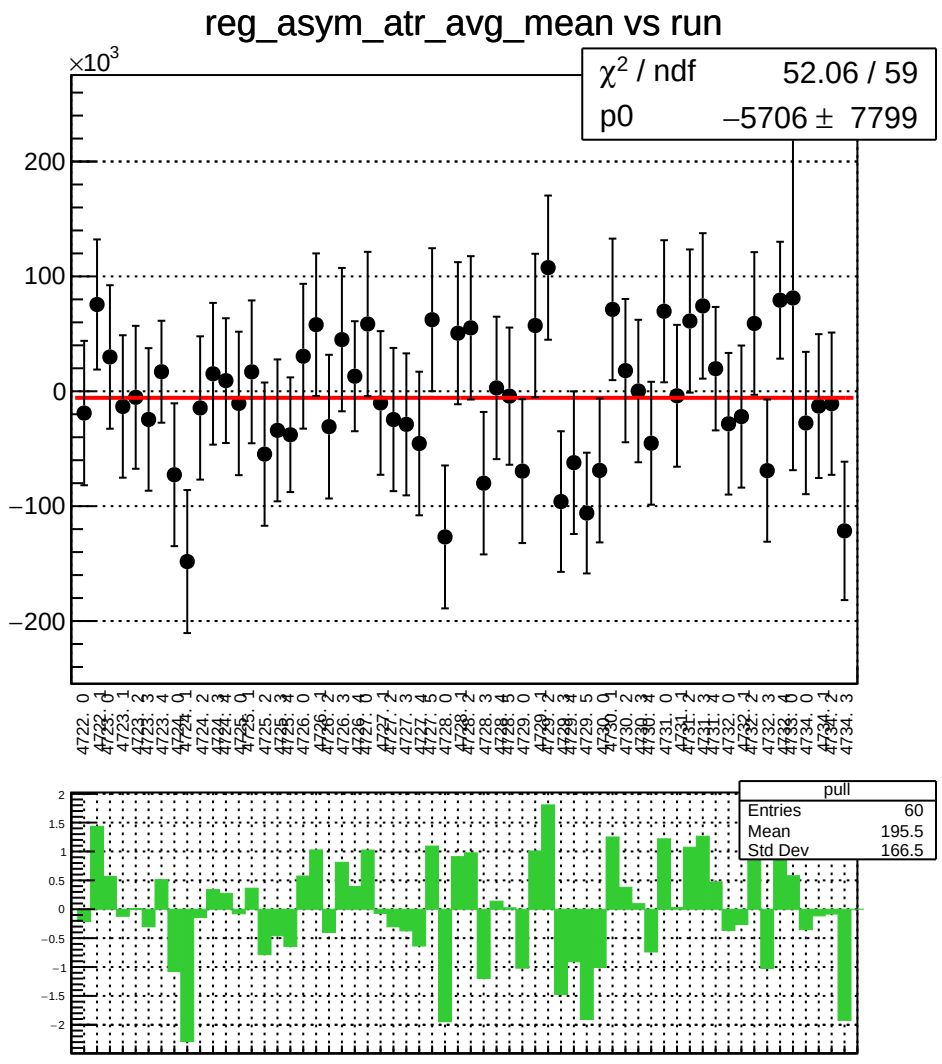

pull1D
Entries 60
Mean 0.002541
Std Dev 0.8949

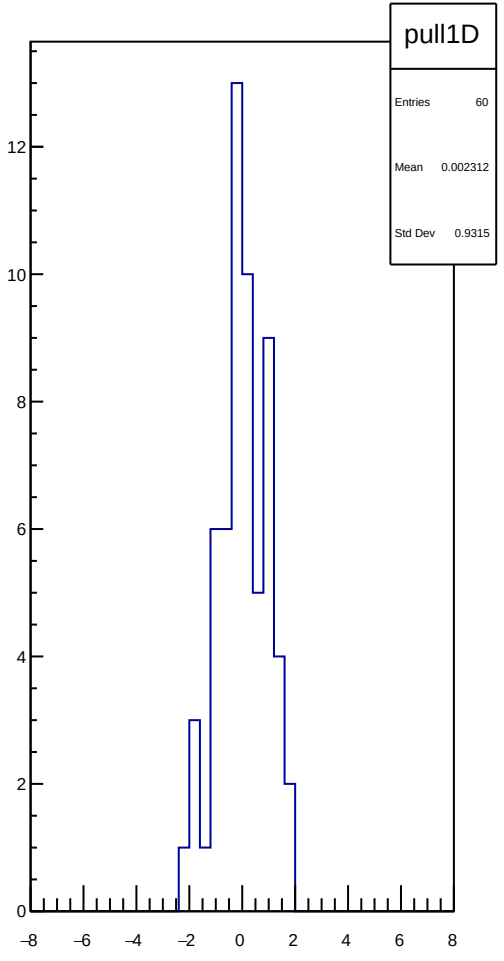

asym_atl_dd_correction_rms vs run
χ² / ndf 4.046e+04 / 59
p0 307.9 ± 0.2933
500
450
400
350
300
250
200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

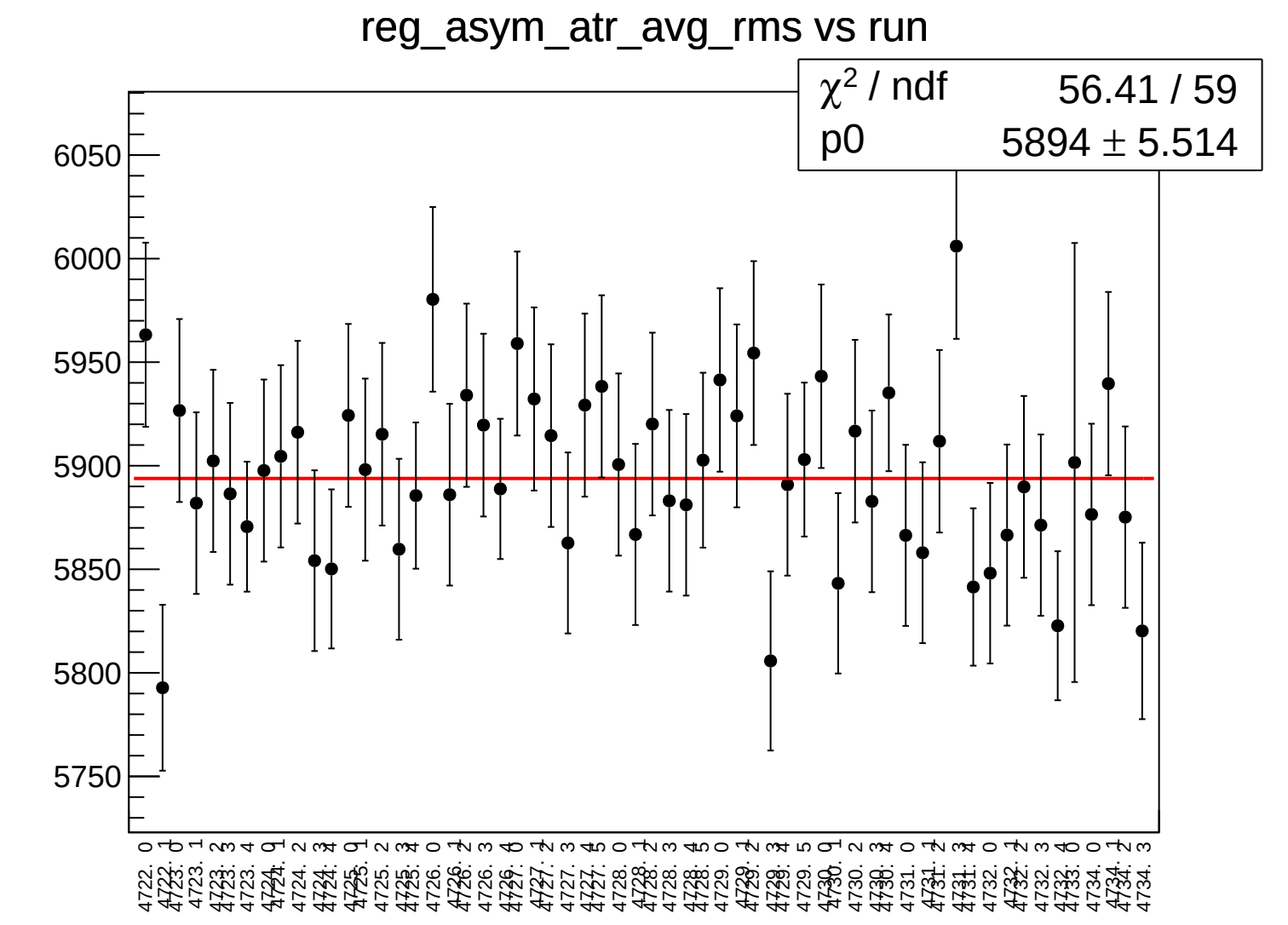

asym_atl_dd_mean vs run
×10^3
χ² / ndf 73.69 / 59
p0 2309 ± 7487
200
100
0
−100
−200
pull
Entries 60
Mean 2753
Std Dev 2721
2
1
0
−1
−2

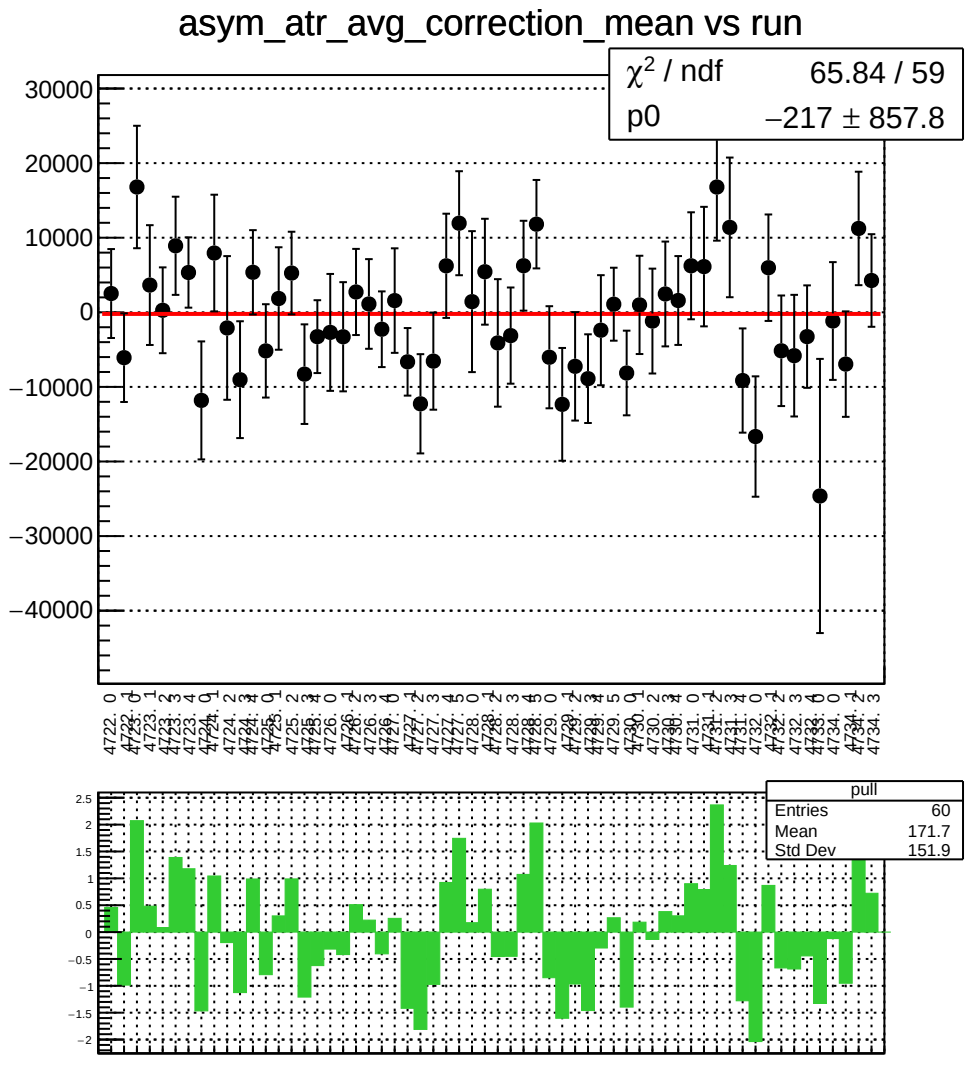

pull1D
Entries 60
Mean −0.001883
Std Dev 1.108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

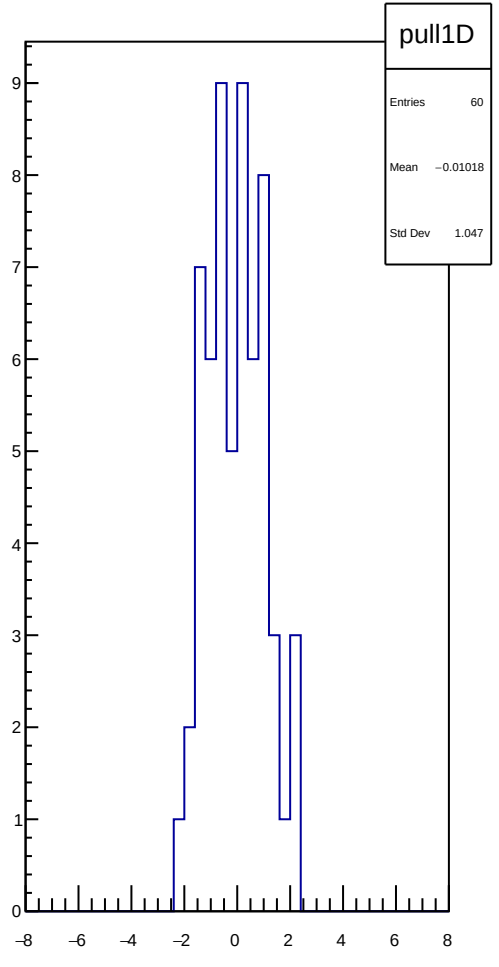

asym_atl_dd_rms vs run
χ^2 / ndf 39.26 / 59
p0 5658 ± 5.294
5800
5750
5700
5650
5600
5550
5500
5450
5400

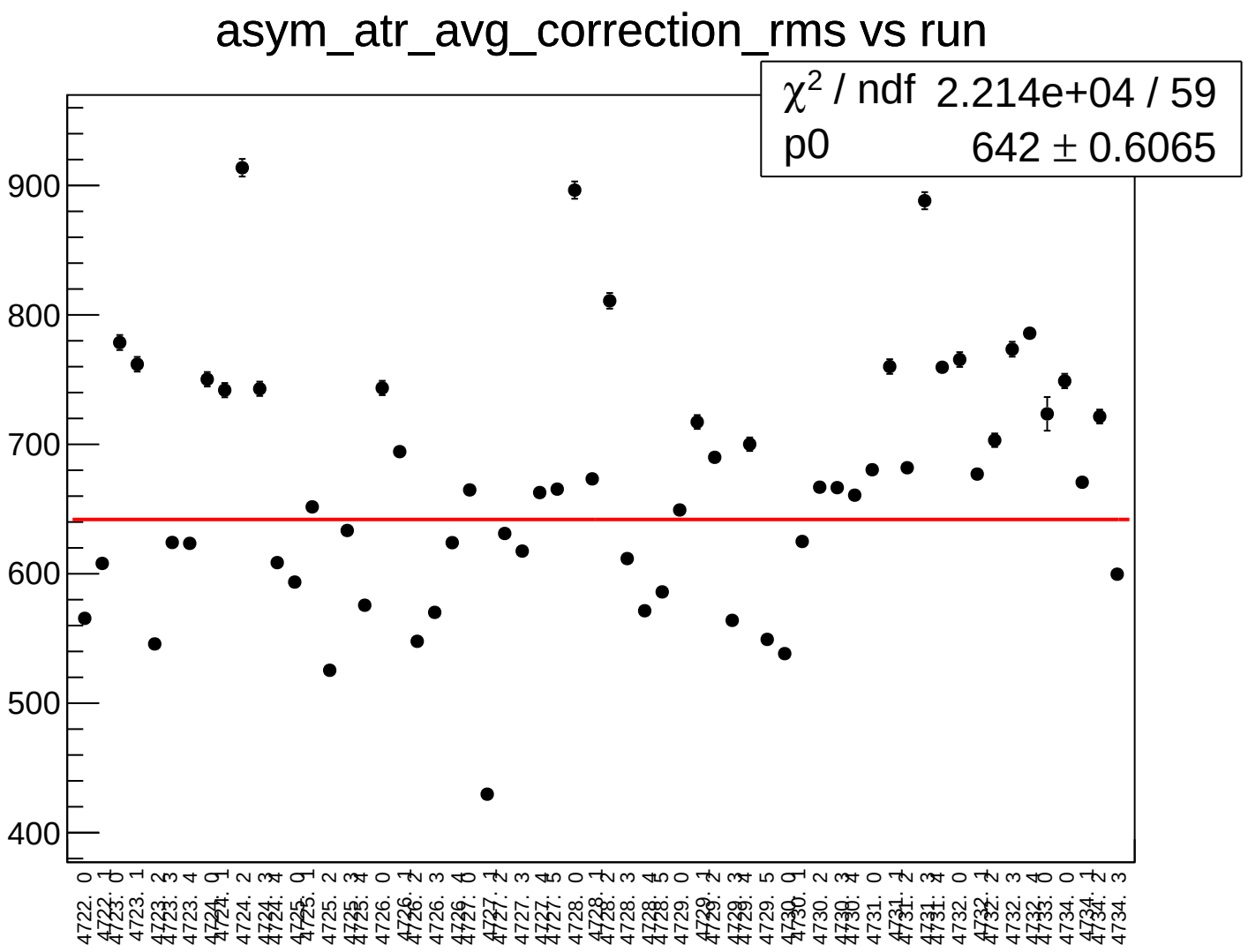

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 52.06 / 59
p0 −5706 ± 7799
200
100
0
−100
−200
pull
Entries 60
Mean 195.5
Std Dev 166.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

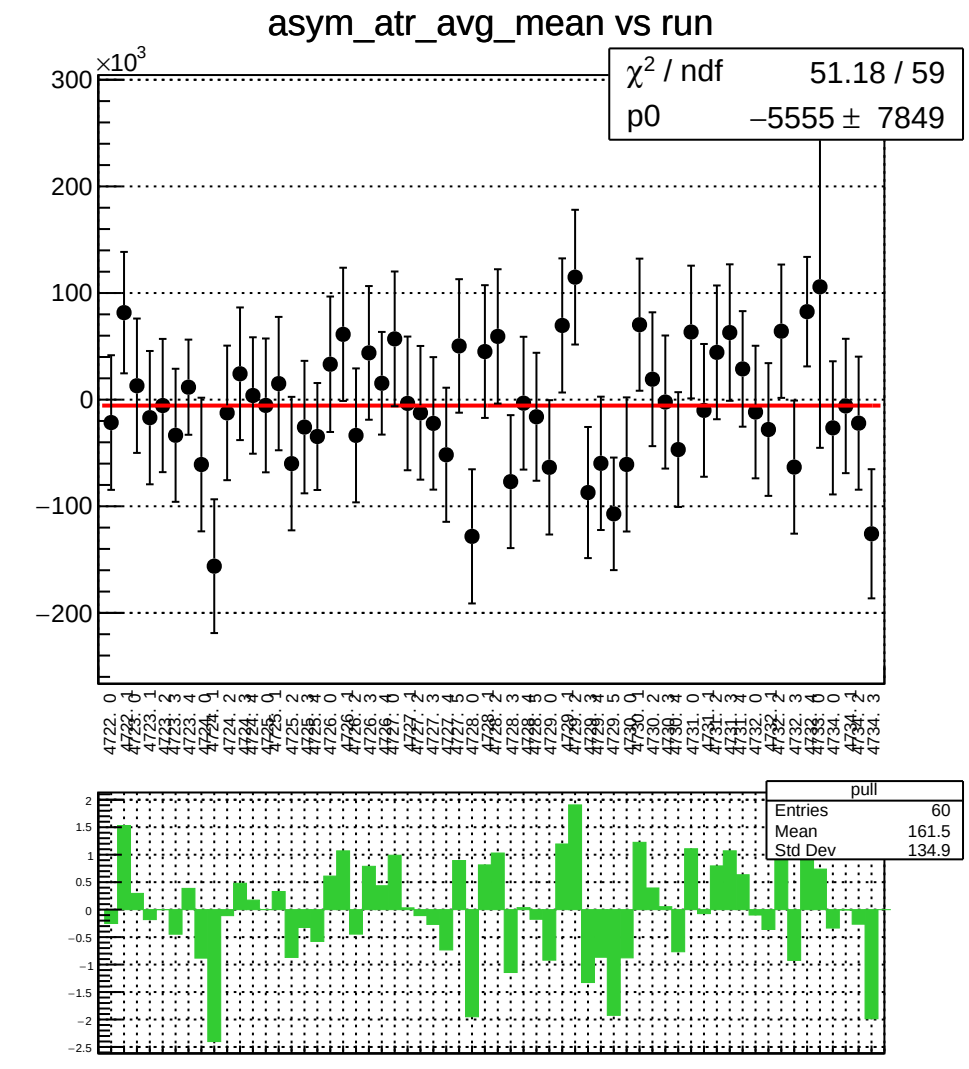

pull1D
Entries 60
Mean 0.002312
Std Dev 0.9315
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

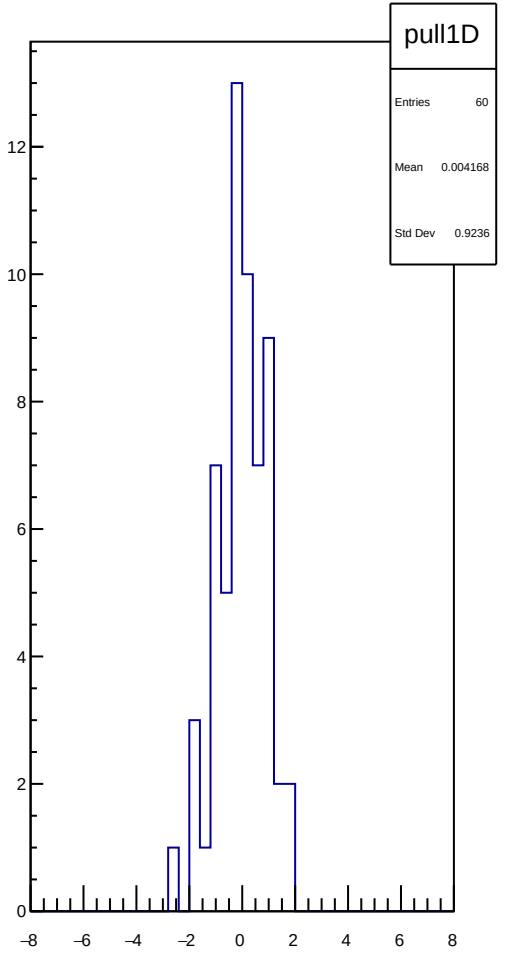

reg_asym_atr_avg_rms vs run
χ² / ndf 56.41 / 59
p0 5894 ± 5.514
6050
6000
5950
5900
5850
5800
5750

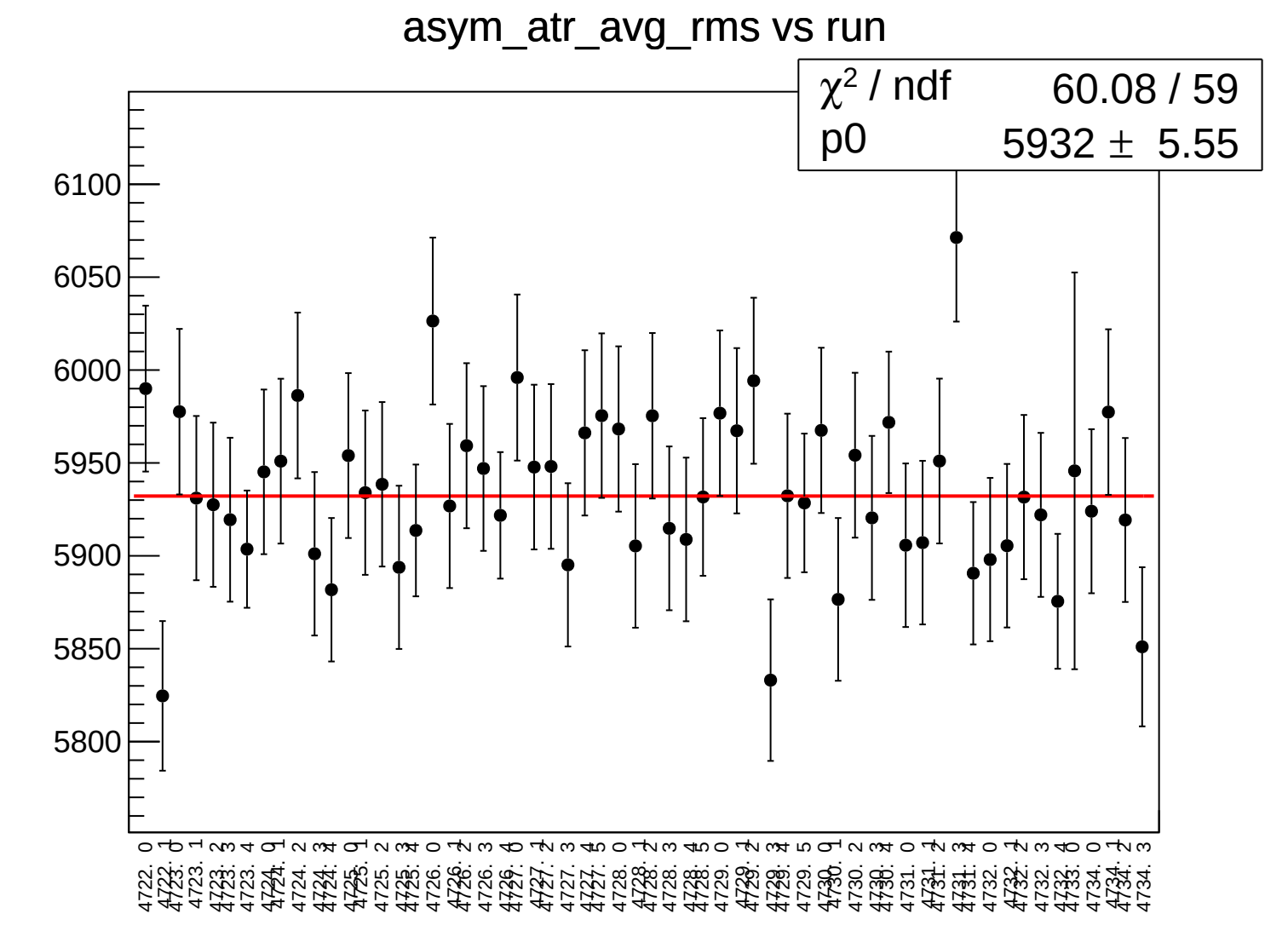

asym_atr_avg_correction_mean vs run
χ² / ndf 65.84 / 59
p0 −217 ± 857.8
pull
Entries 60
Mean 171.7
Std Dev 151.9

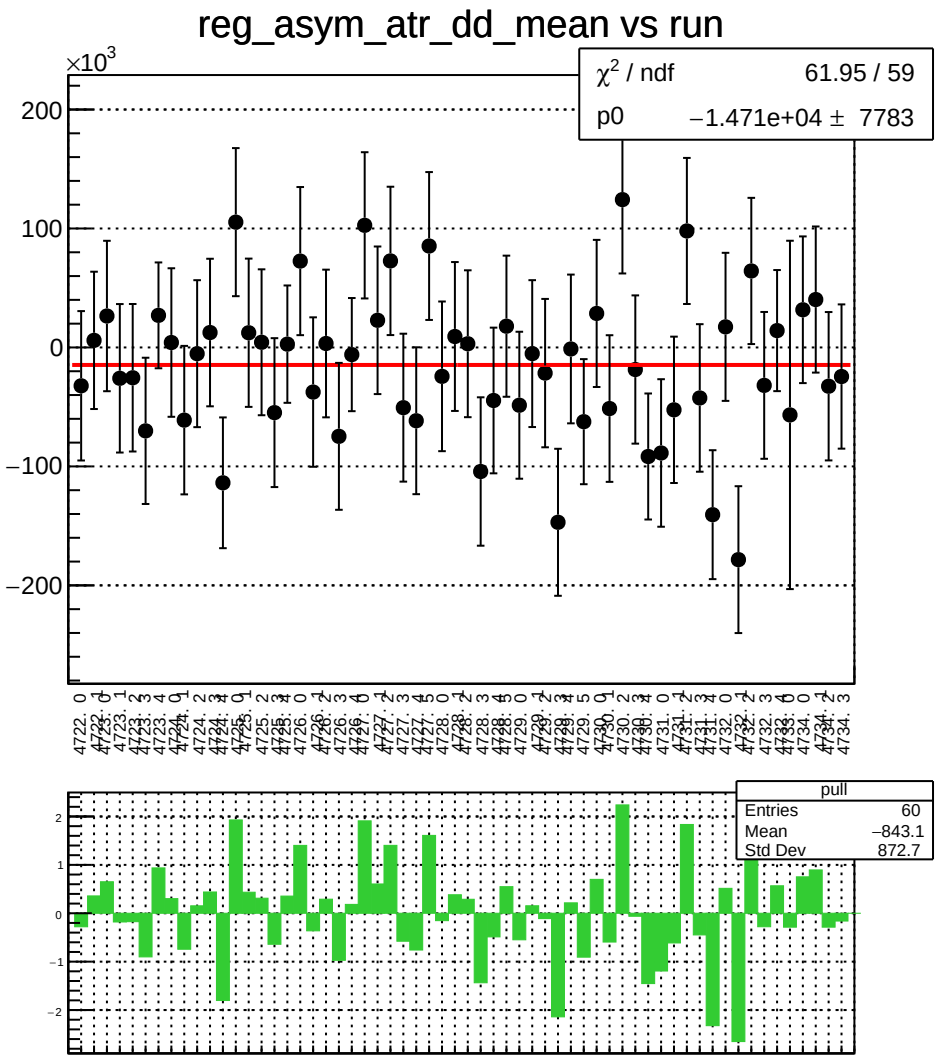

pull1D
Entries 60
Mean −0.01018
Std Dev 1.047

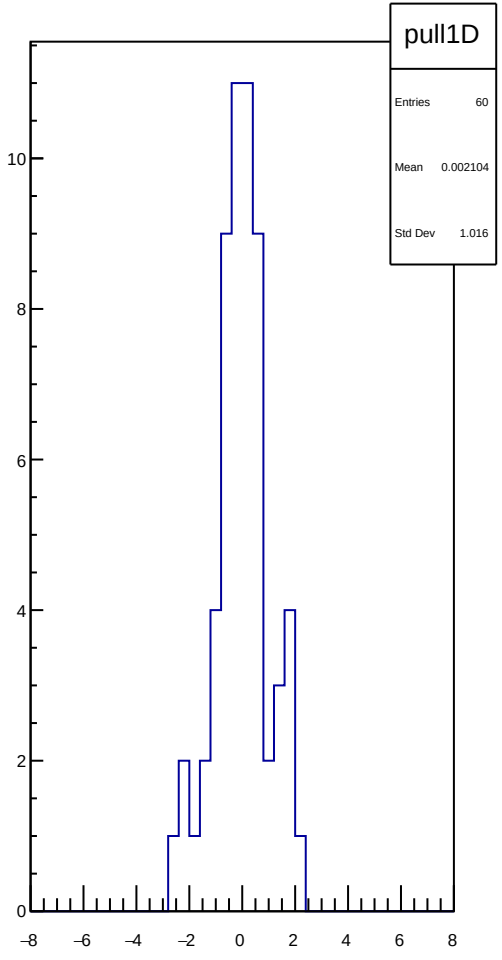

asym_atr_avg_correction_rms vs run
χ² / ndf 2.214e+04 / 59
p0 642 ± 0.6065
900
800
700
600
500
400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

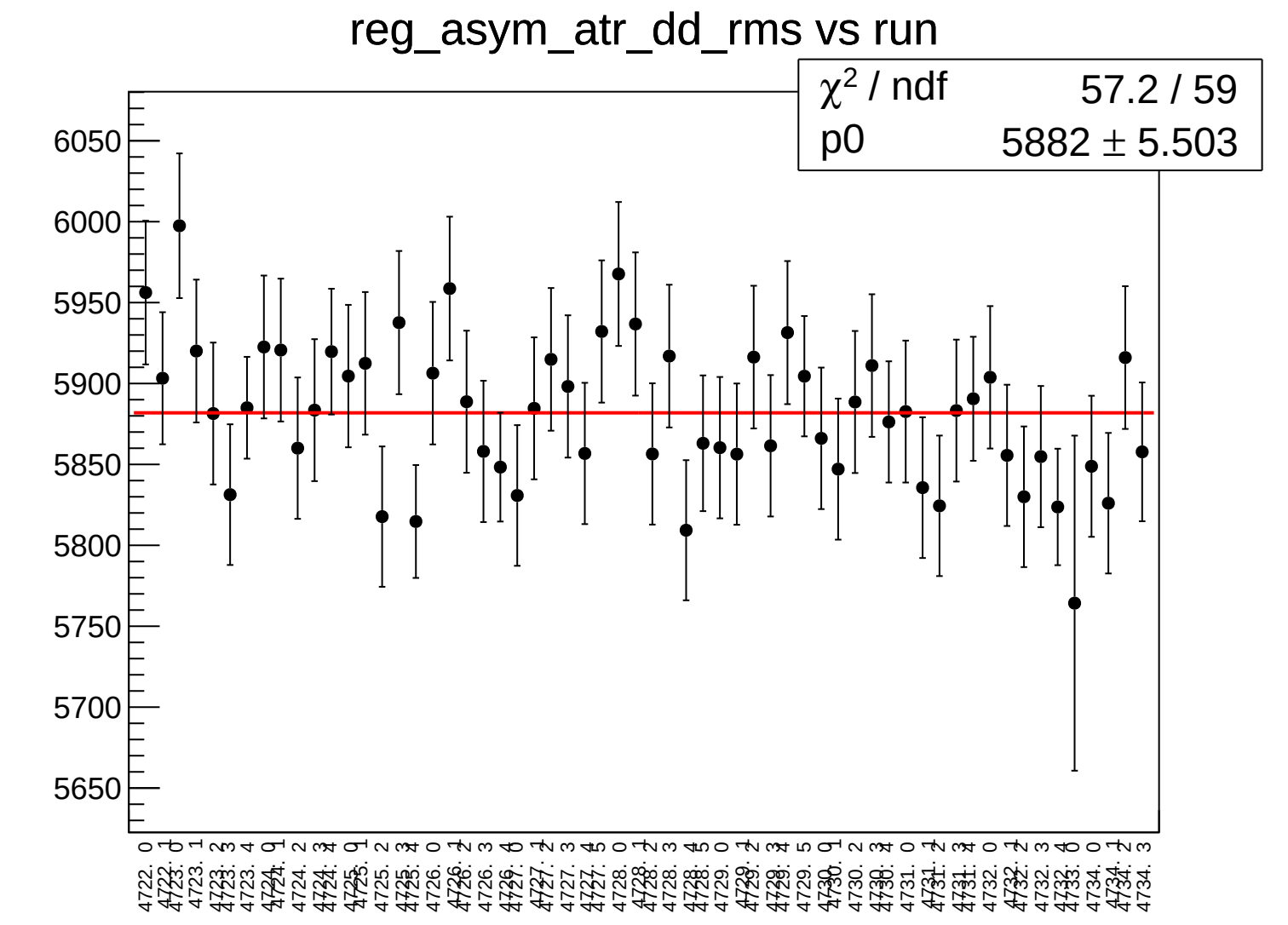

asym_atr_avg_mean vs run
×10^3
χ² / ndf 51.18 / 59
p0 −5555 ± 7849
pull
Entries 60
Mean 161.5
Std Dev 134.9

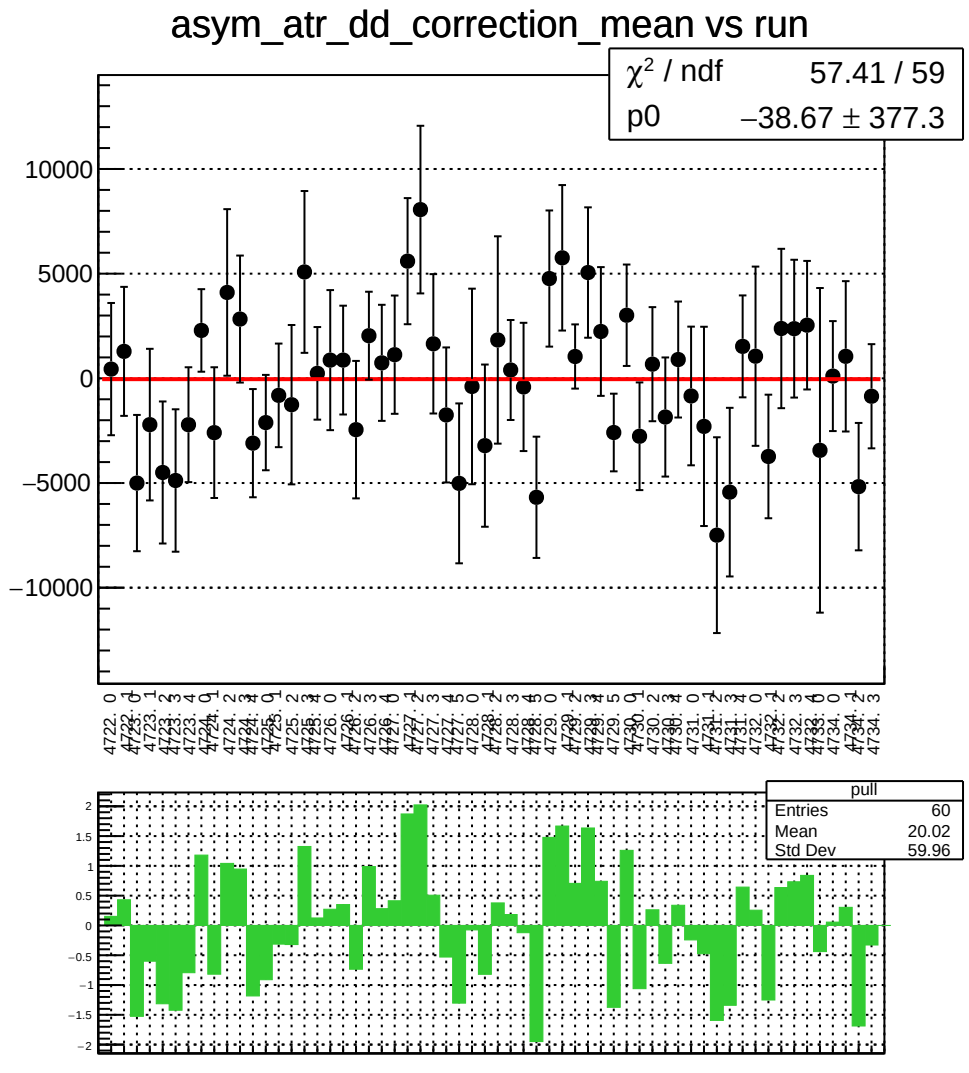

pull1D
Entries 60
Mean 0.004168
Std Dev 0.9236

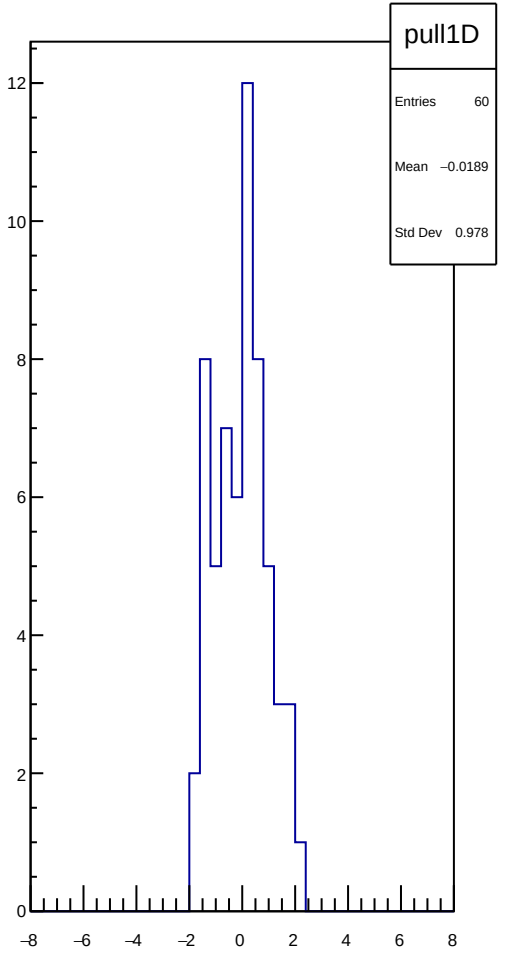

asym_atr_avg_rms vs run
χ² / ndf 60.08 / 59
p0 5932 ± 5.55
6100
6050
6000
5950
5900
5850
5800

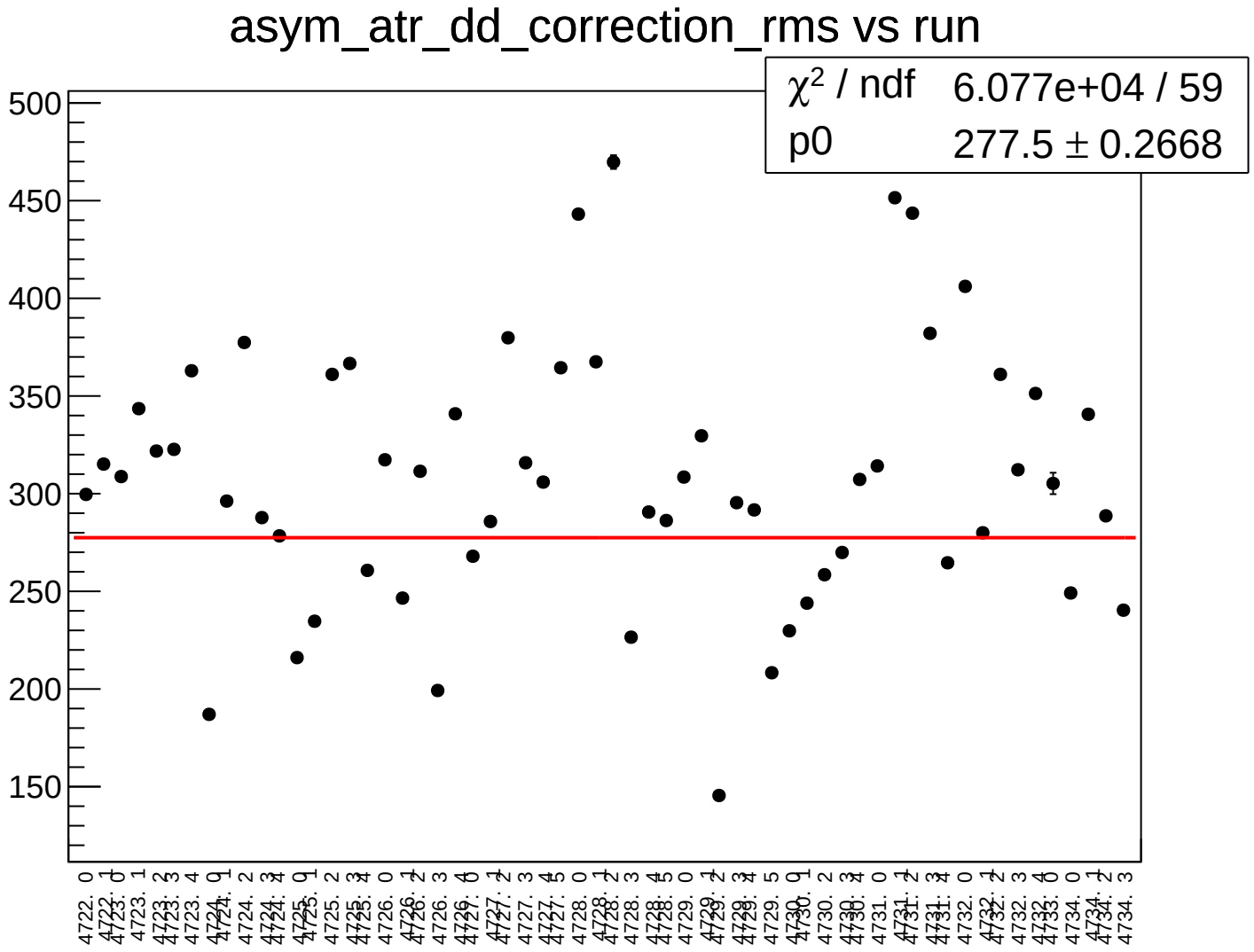

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 61.95 / 59
p0 −1.471e+04 ± 7783
200
100
0
−100
−200
pull
Entries 60
Mean −843.1
Std Dev 872.7
2
1
0
−1

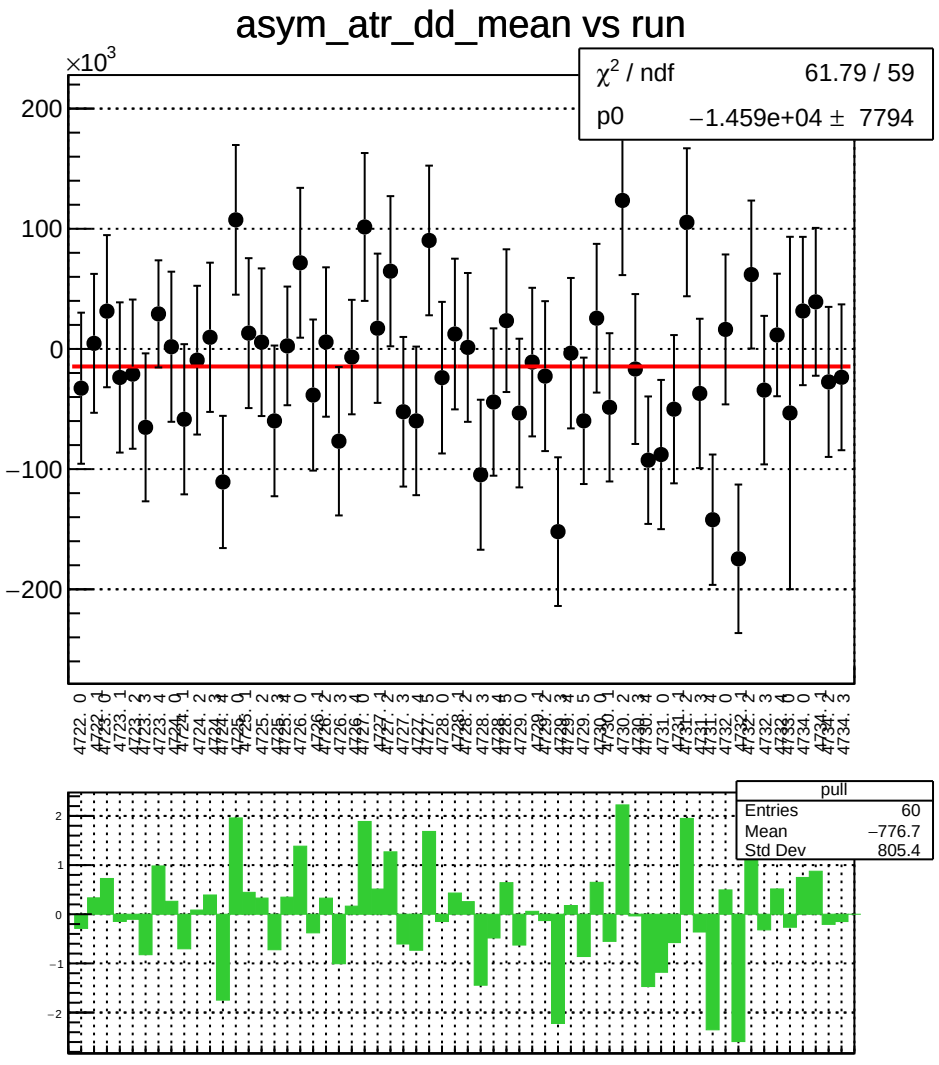

pull1D
Entries 60
Mean 0.002104
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

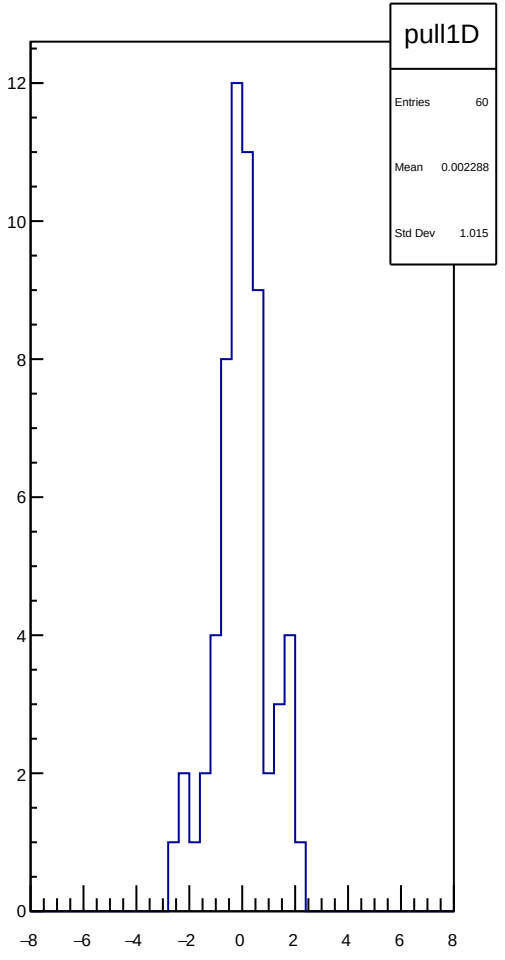

reg_asym_atr_dd_rms vs run
χ² / ndf 57.2 / 59
p0 5882 ± 5.503
6050
6000
5950
5900
5850
5800
5750
5700
5650
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

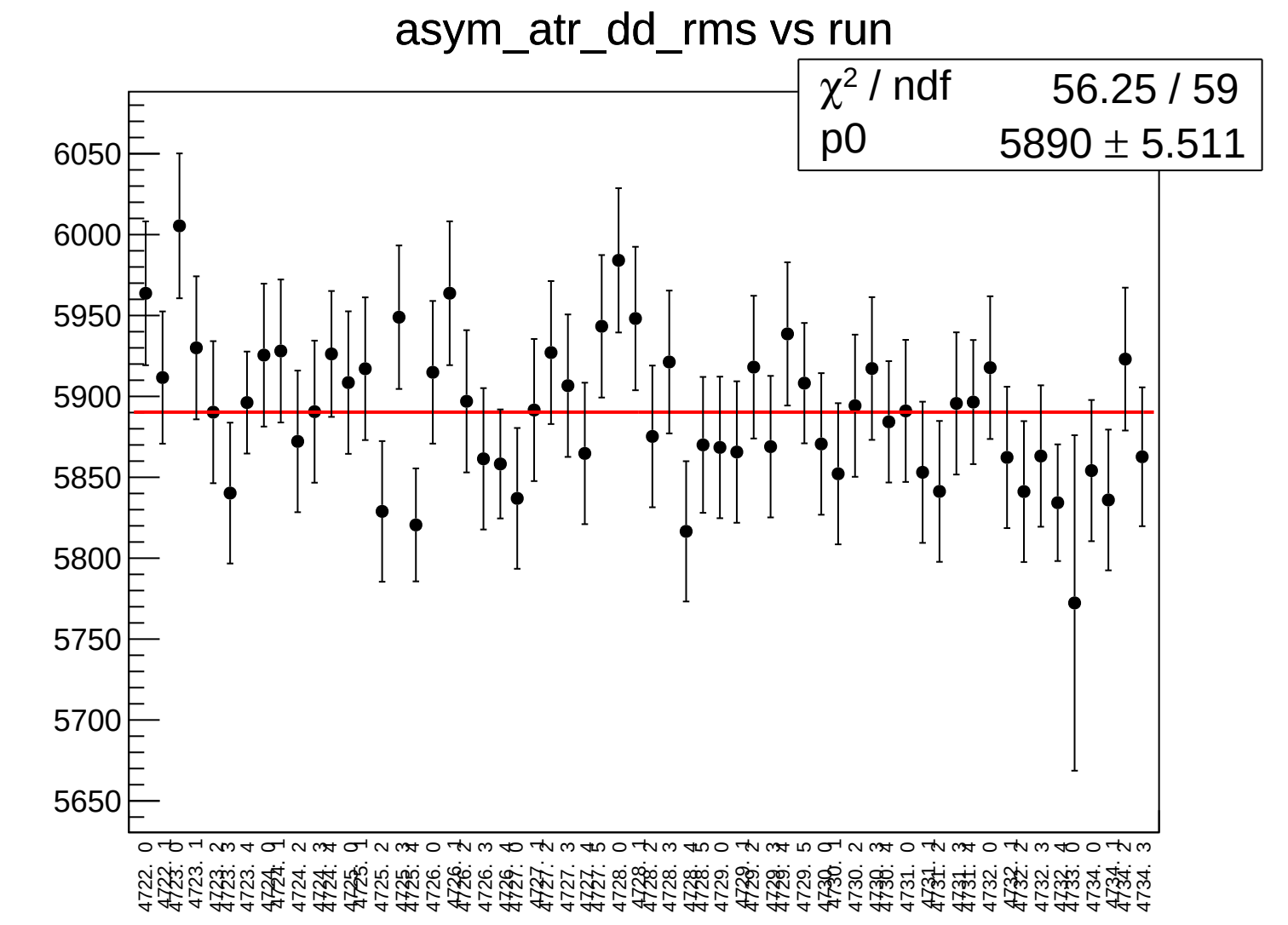

asym_atr_dd_correction_mean vs run
χ² / ndf 57.41 / 59
p0 −38.67 ± 377.3
10000
5000
0
−5000
−10000
pull
Entries 60
Mean 20.02
Std Dev 59.96
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

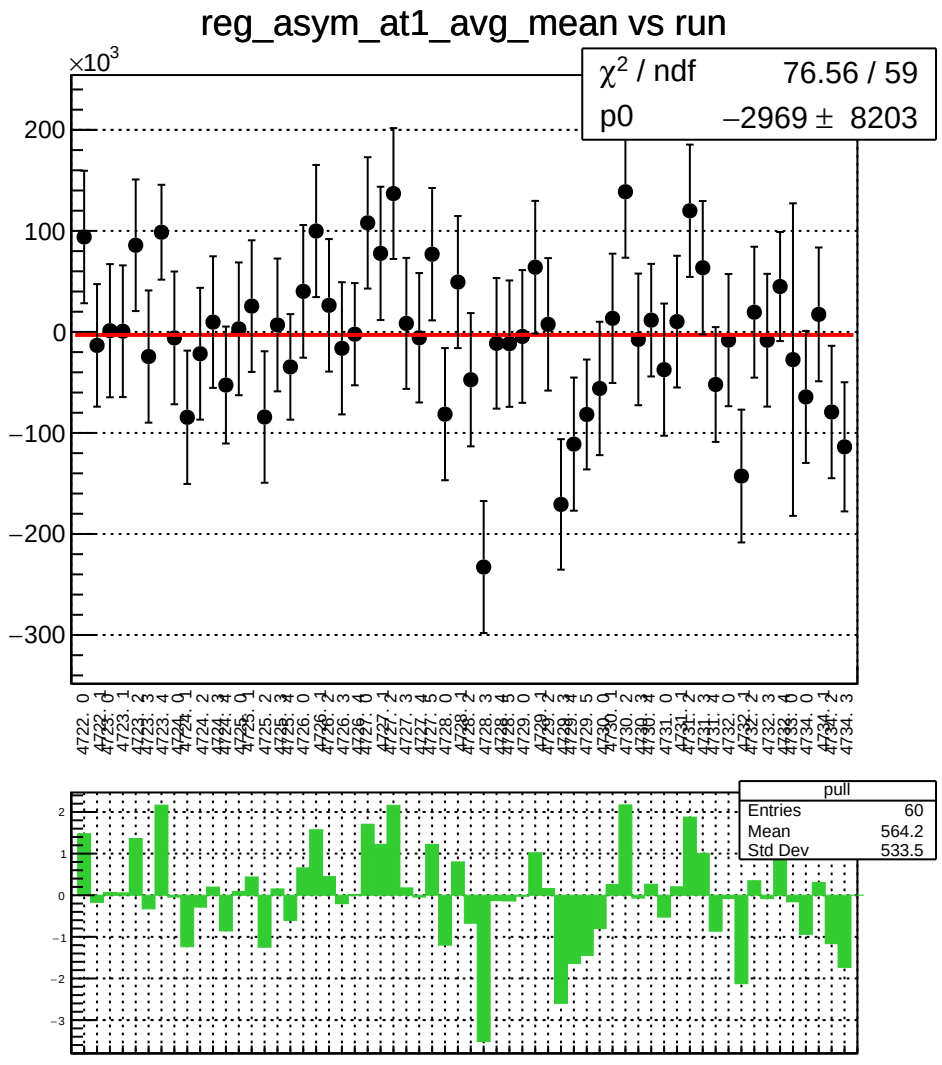

pull1D
Entries 60
Mean −0.0189
Std Dev 0.978
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

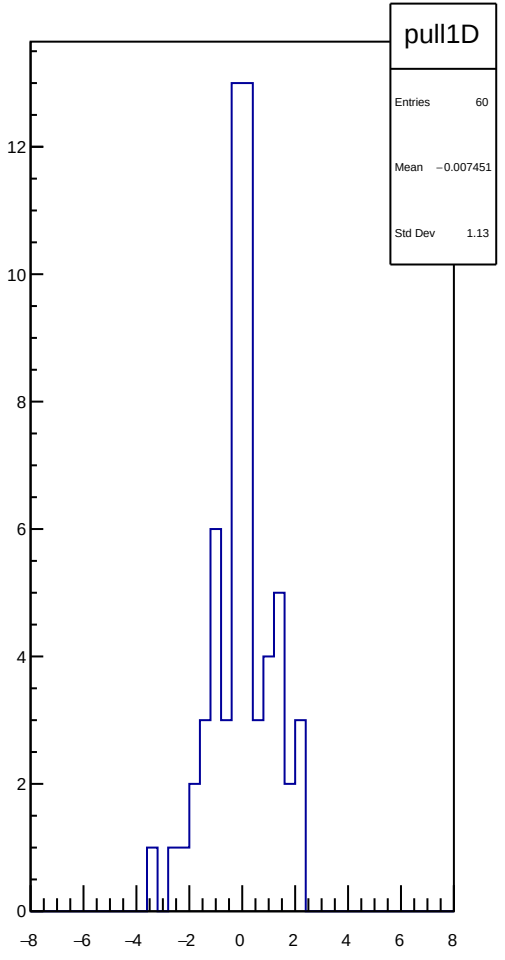

asym_atr_dd_correction_rms vs run
χ² / ndf 6.077e+04 / 59
p0 277.5 ± 0.2668
500
450
400
350
300
250
200
150

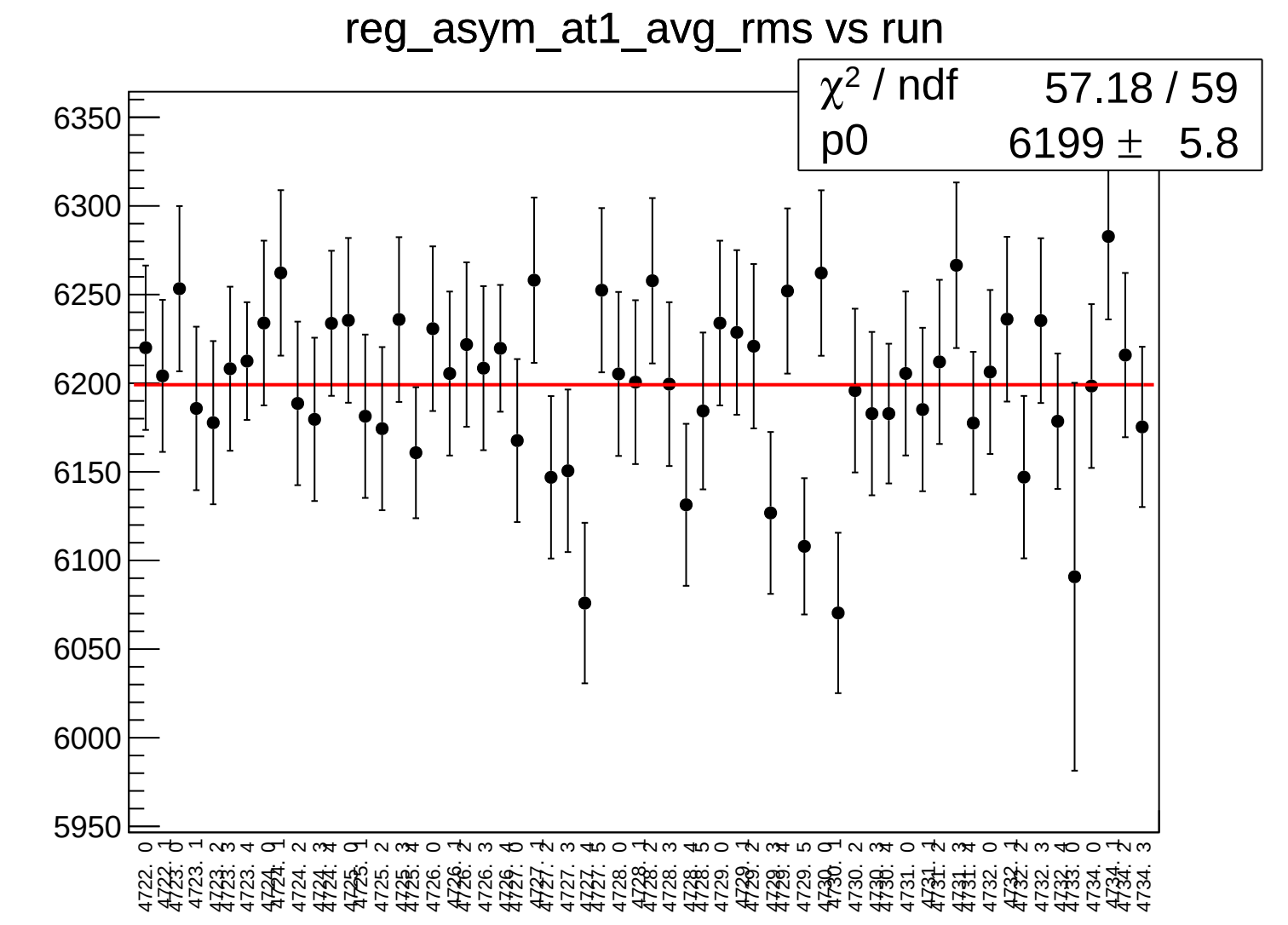

asym_atr_dd_mean vs run
×10^3
χ² / ndf 61.79 / 59
p0 −1.459e+04 ± 7794
200
100
0
−100
−200
pull
Entries 60
Mean −776.7
Std Dev 805.4
2
1
0
−1
−2

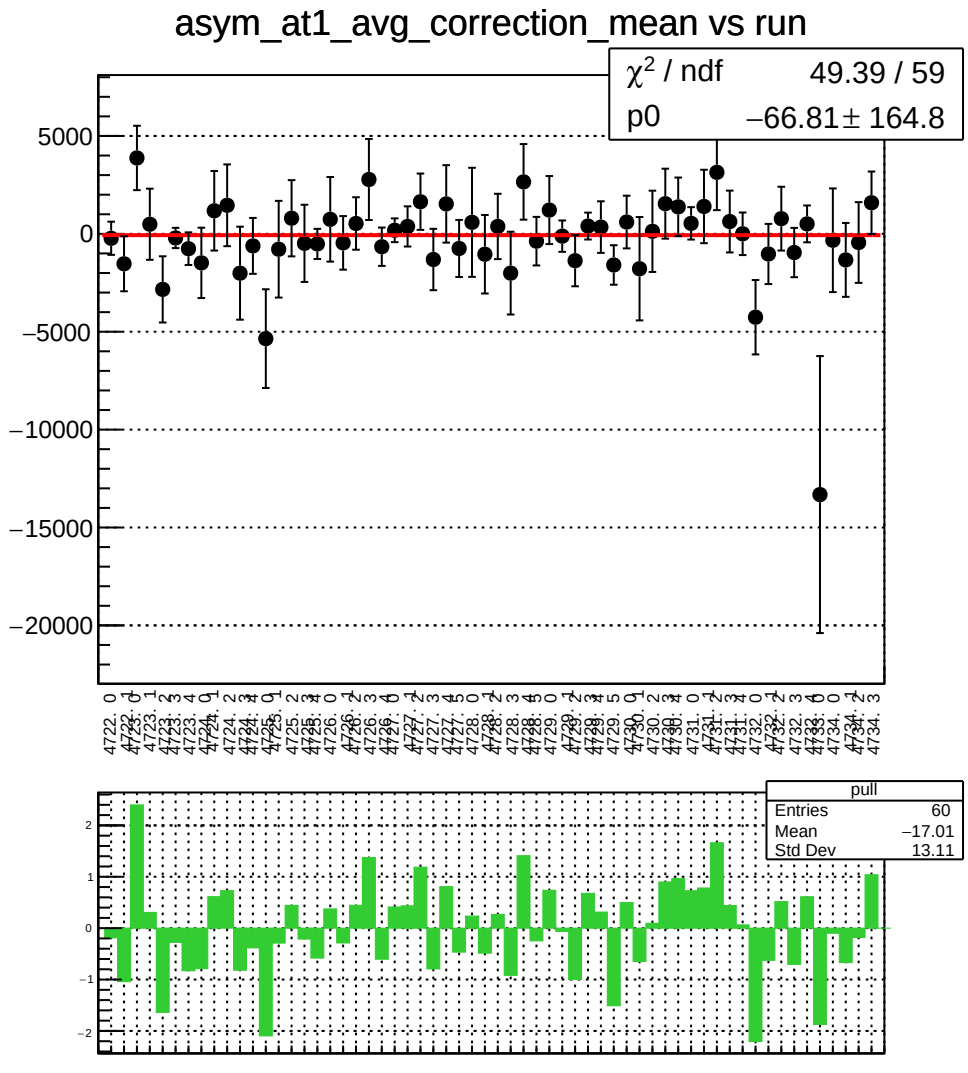

pull1D
Entries 60
Mean 0.002288
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

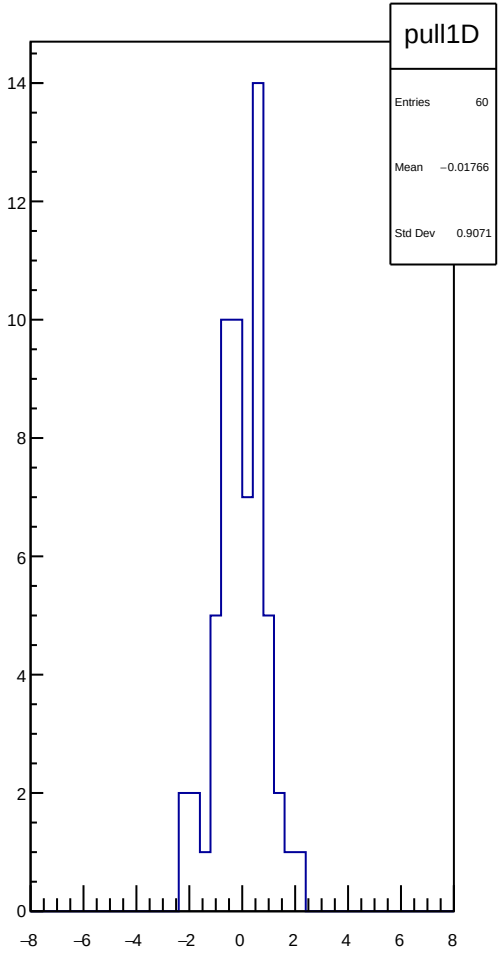

asym_atr_dd_rms vs run
χ² / ndf 56.25 / 59
p0 5890 ± 5.511
6050
6000
5950
5900
5850
5800
5750
5700
5650

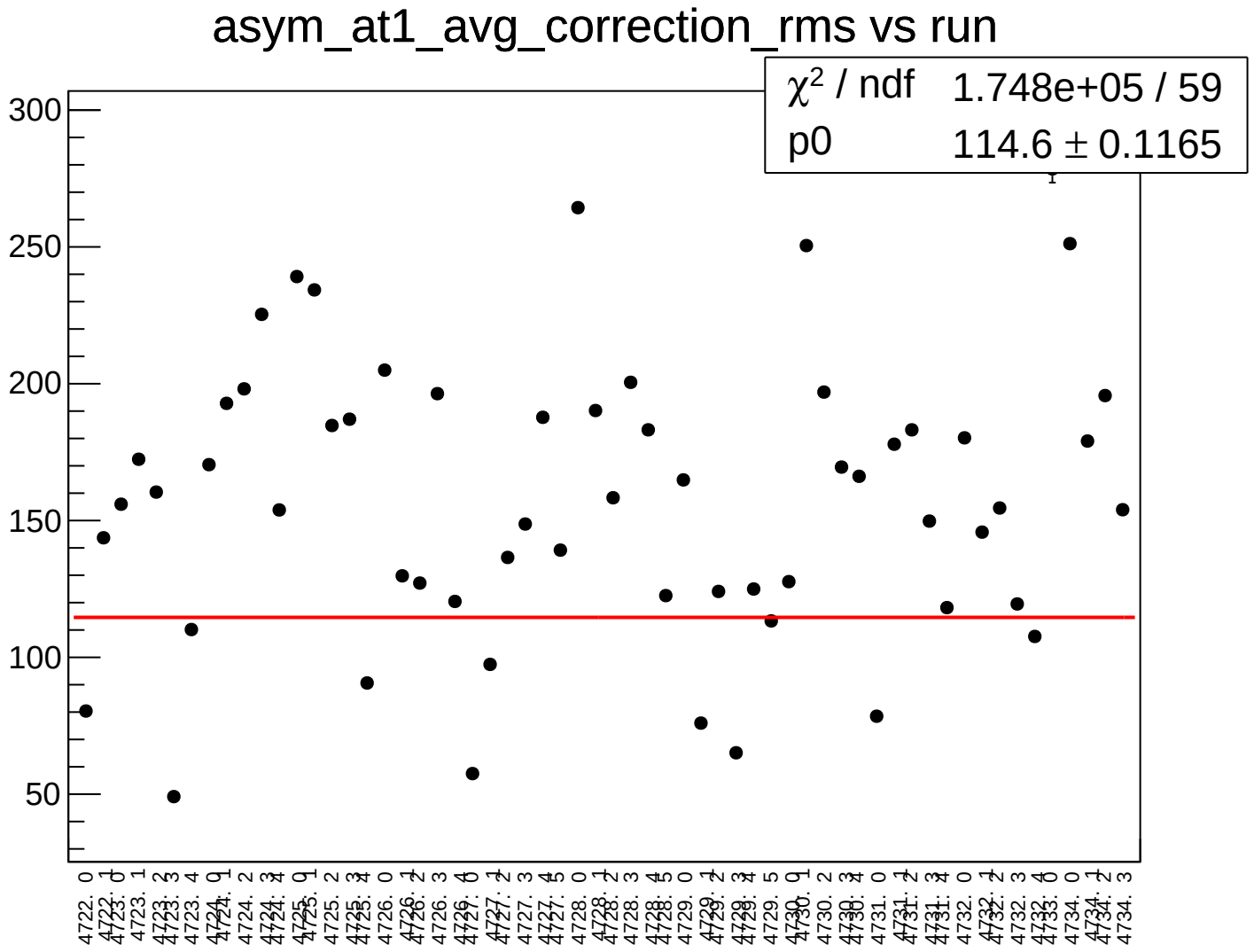

reg_asym_at1_avg_mean vs run
×10^3
χ² / ndf 76.56 / 59
p0 −2969 ± 8203
200
100
0
−100
−200
−300
pull
Entries 60
Mean 564.2
Std Dev 533.5
2
1
0
−1
−2
−3

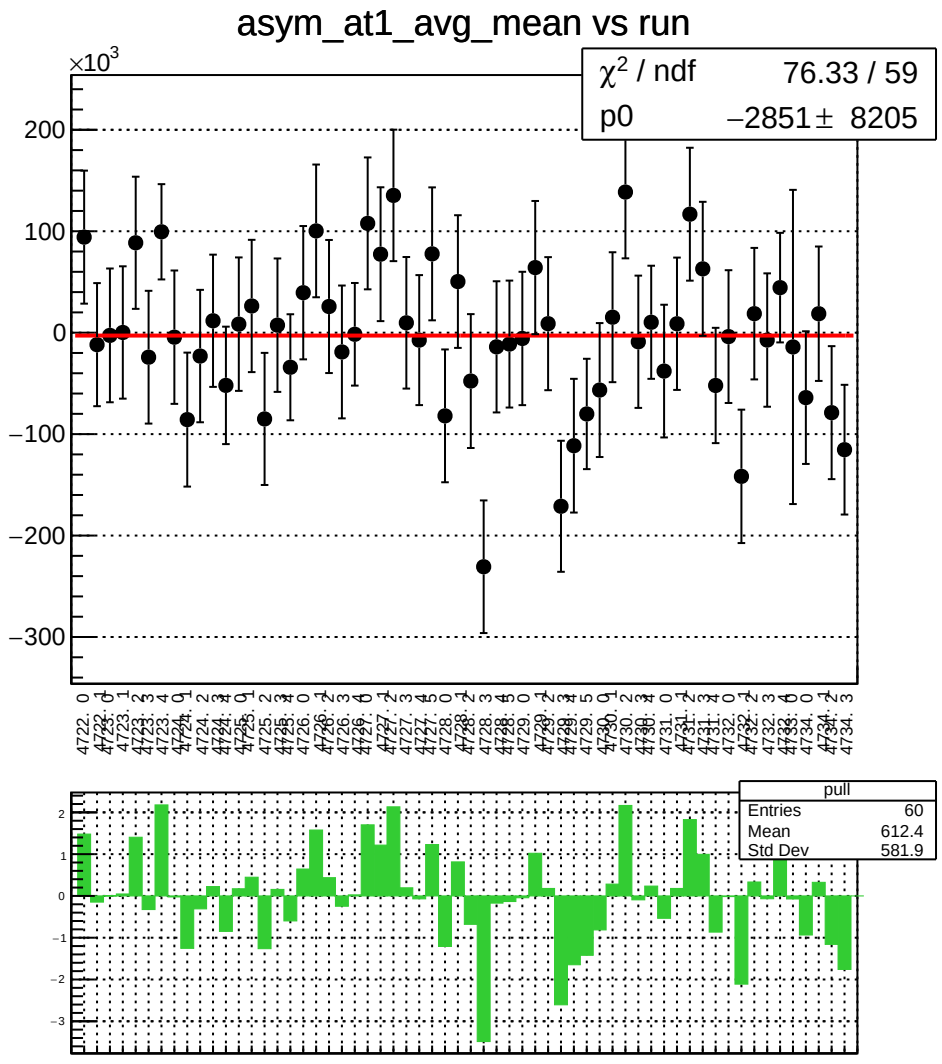

pull1D
Entries 60
Mean −0.007451
Std Dev 1.13
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

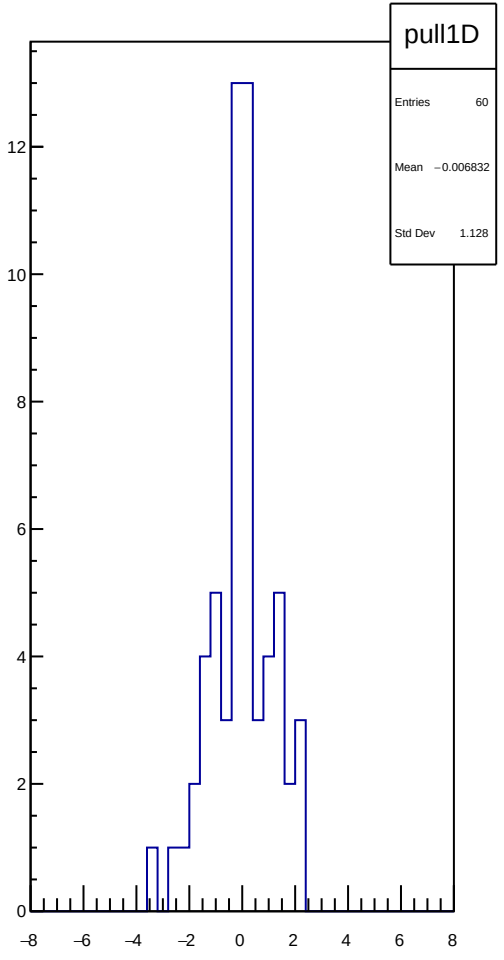

reg_asym_at1_avg_rms vs run
χ² / ndf 57.18 / 59
p0 6199 ± 5.8
6350
6300
6250
6200
6150
6100
6050
6000
5950

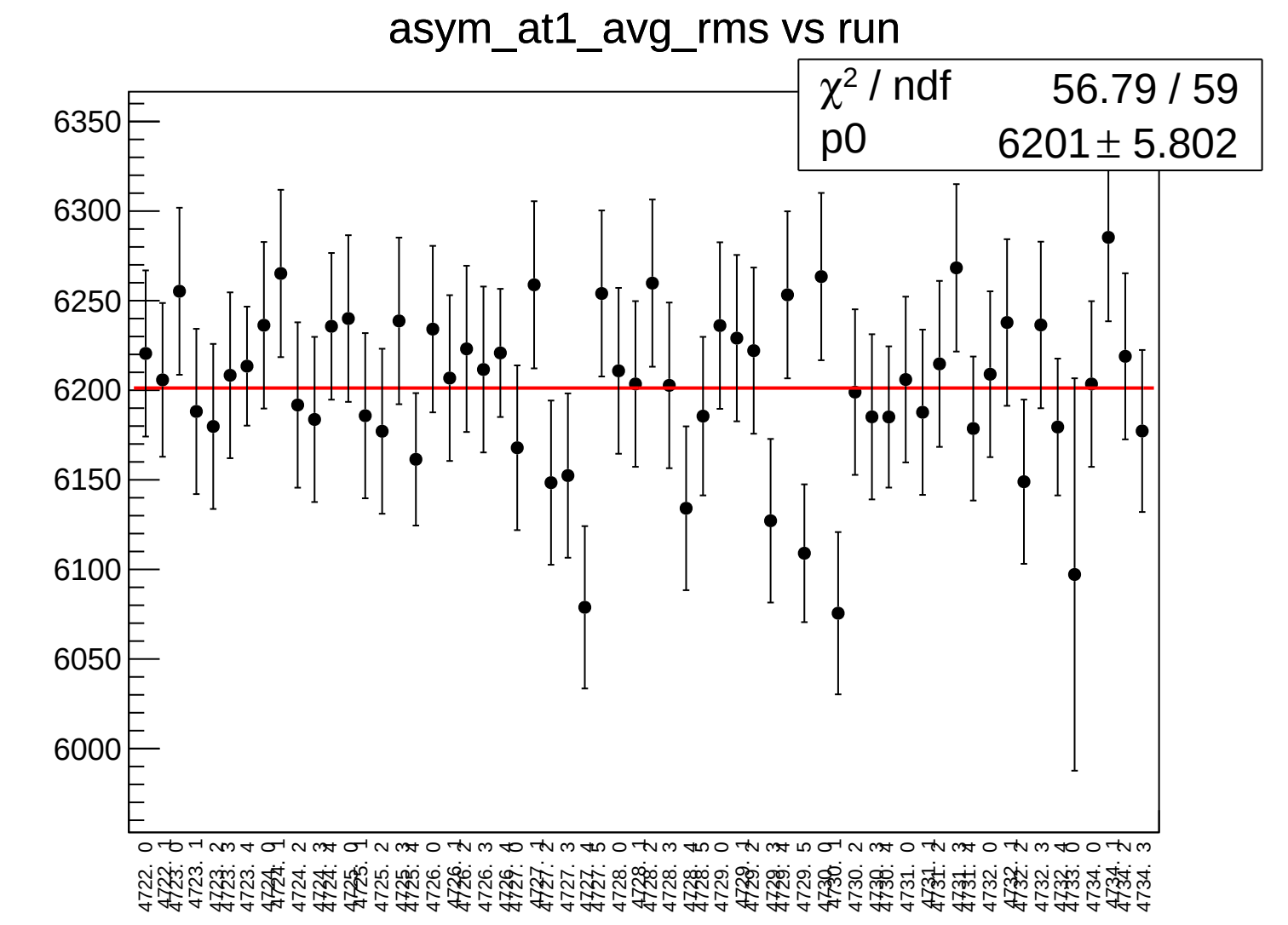

asym_at1_avg_correction_mean vs run
χ² / ndf 49.39 / 59
p0 −66.81 ± 164.8
5000
0
−5000
−10000
−15000
−20000
pull
Entries 60
Mean −17.01
Std Dev 13.11
2
1
0
−1
−2

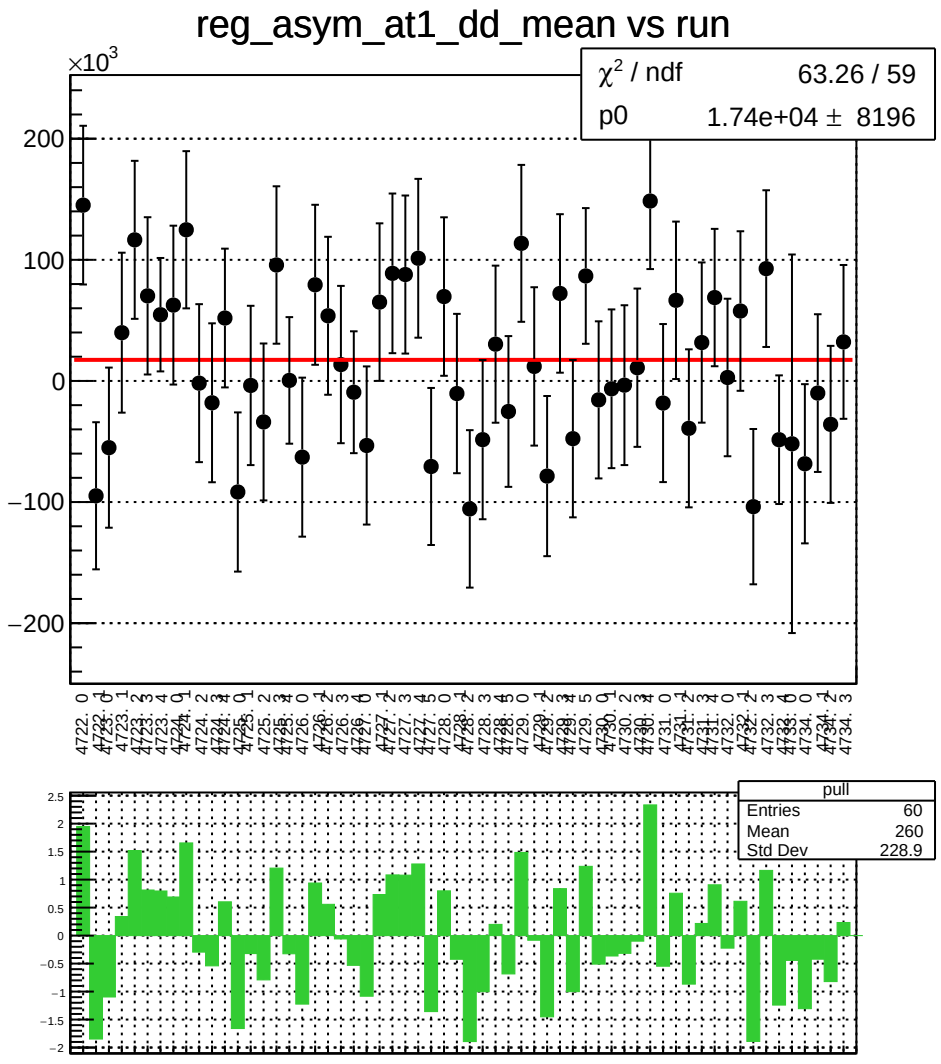

pull1D
Entries 60
Mean −0.01766
Std Dev 0.9071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

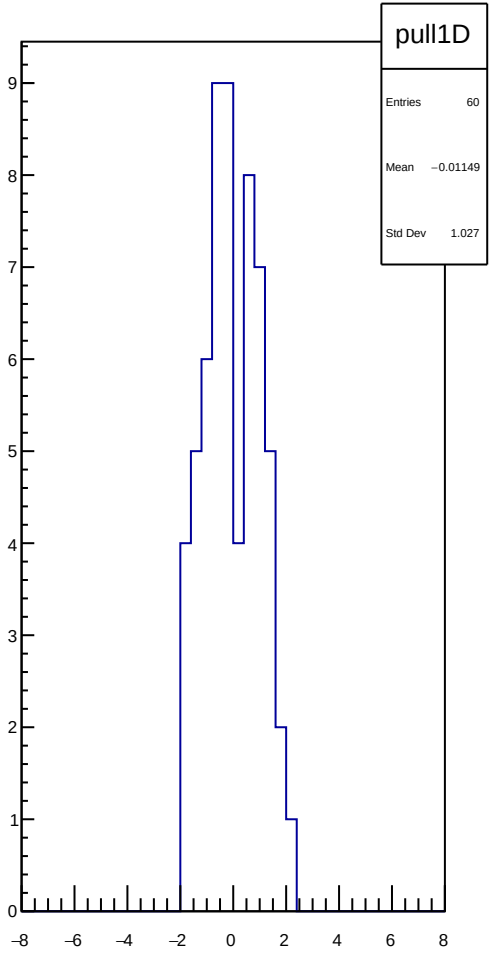

asym_at1_avg_correction_rms vs run
χ² / ndf 1.748e+05 / 59
p0 114.6 ± 0.1165
300
250
200
150
100
50

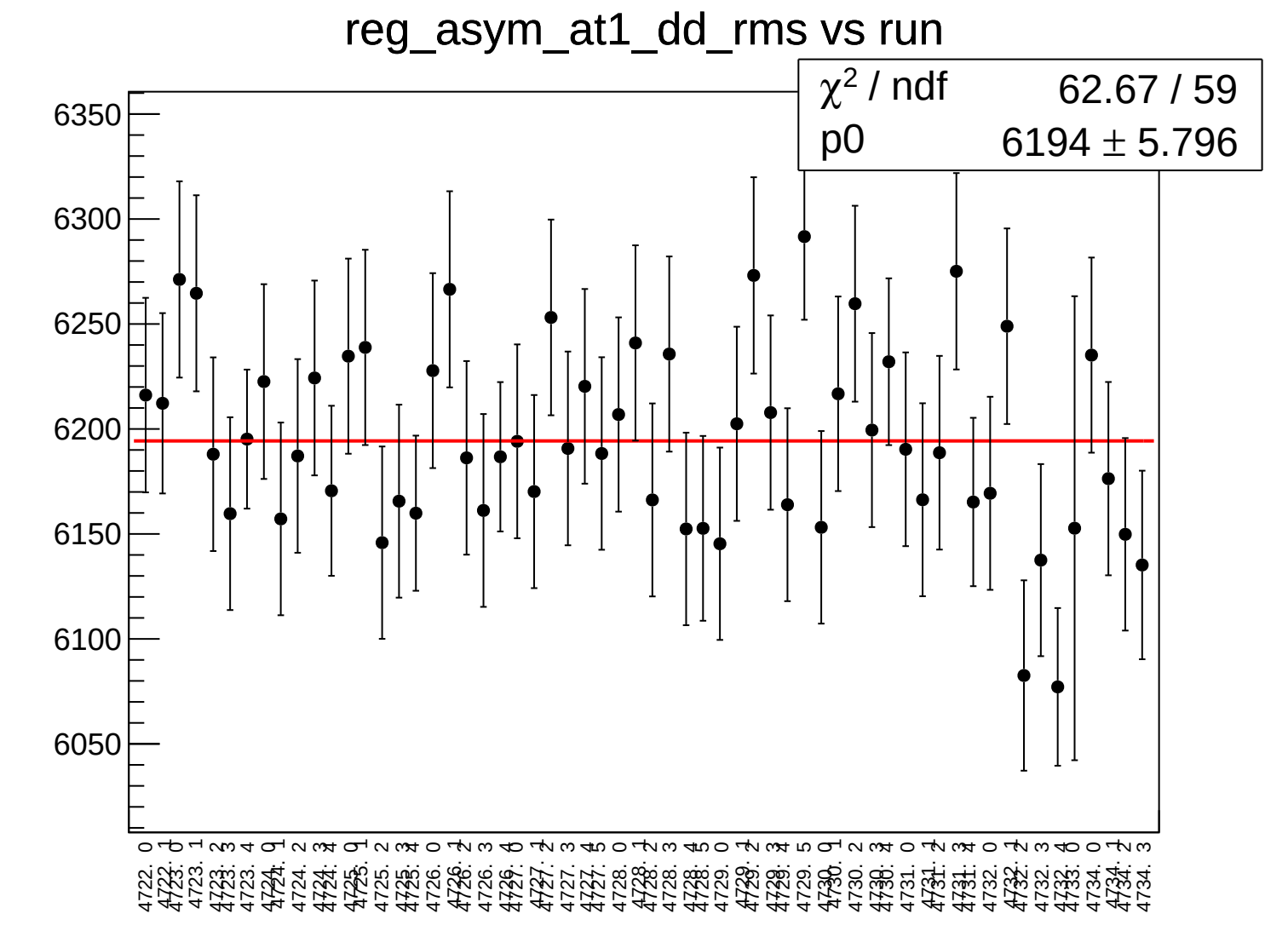

asym_at1_avg_mean vs run
×10^3
χ² / ndf 76.33 / 59
p0 −2851 ± 8205
200
100
0
−100
−200
−300
pull
Entries 60
Mean 612.4
Std Dev 581.9
2
1
0
−1
−2
−3

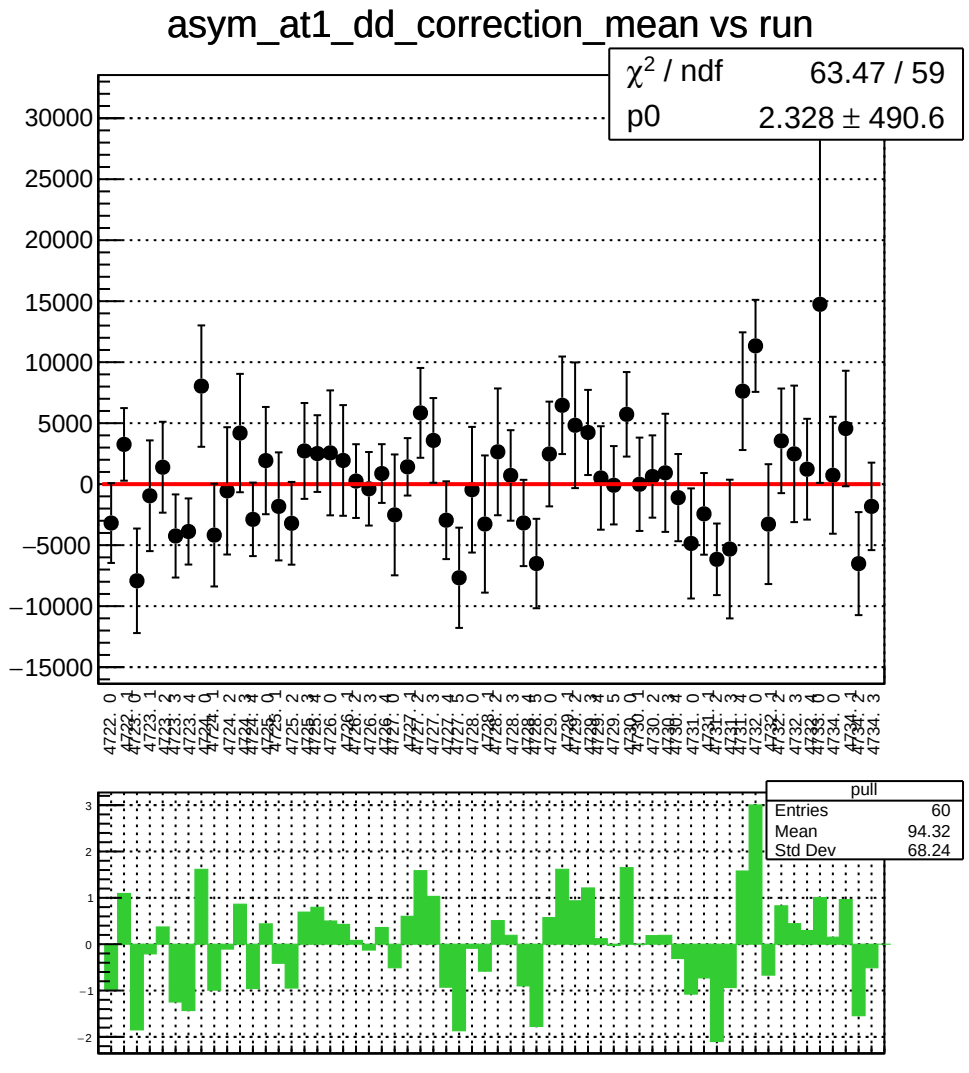

pull1D
Entries 60
Mean −0.006832
Std Dev 1.128
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

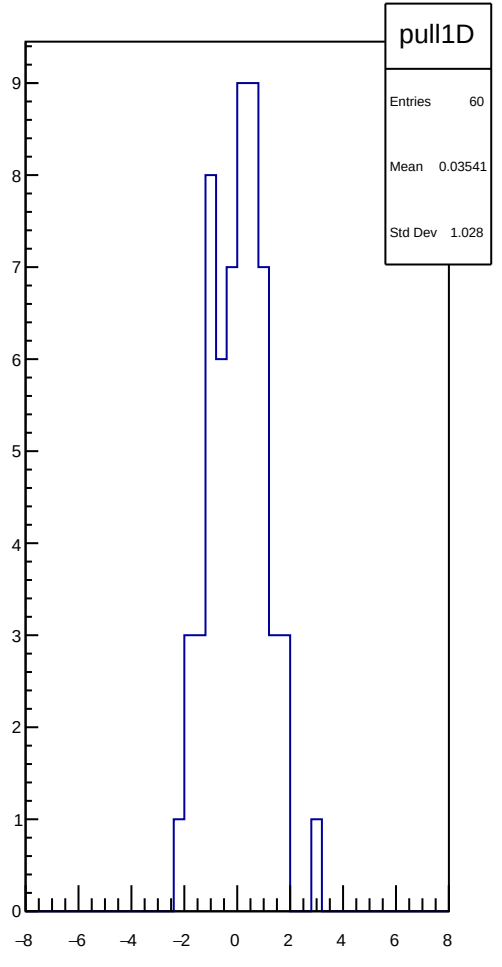

asym_at1_avg_rms vs run
χ² / ndf 56.79 / 59
p0 6201 ± 5.802
6350
6300
6250
6200
6150
6100
6050
6000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

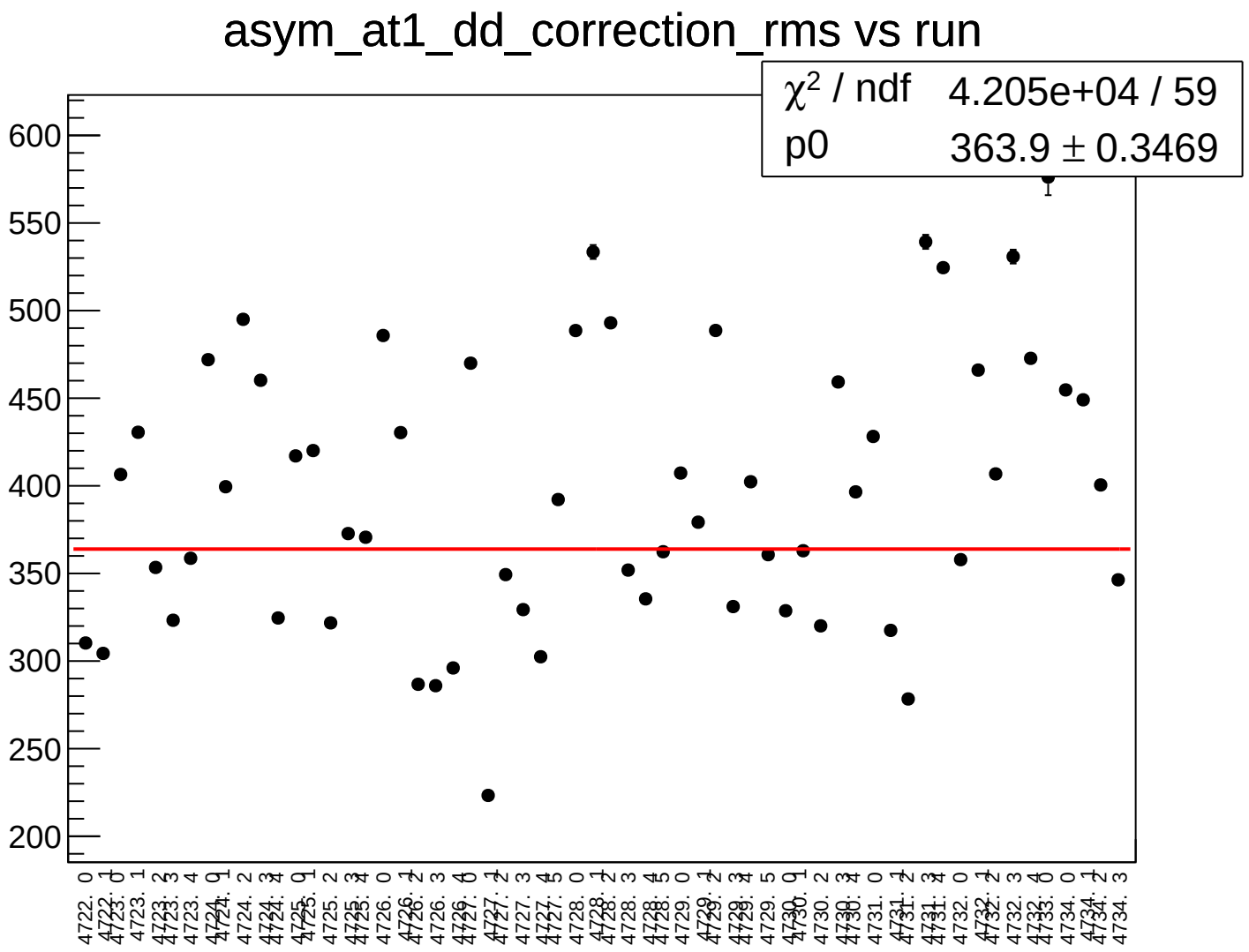

reg_asym_at1_dd_mean vs run
×10^3
χ² / ndf 63.26 / 59
p0 1.74e+04 ± 8196
pull
Entries 60
Mean 260
Std Dev 228.9

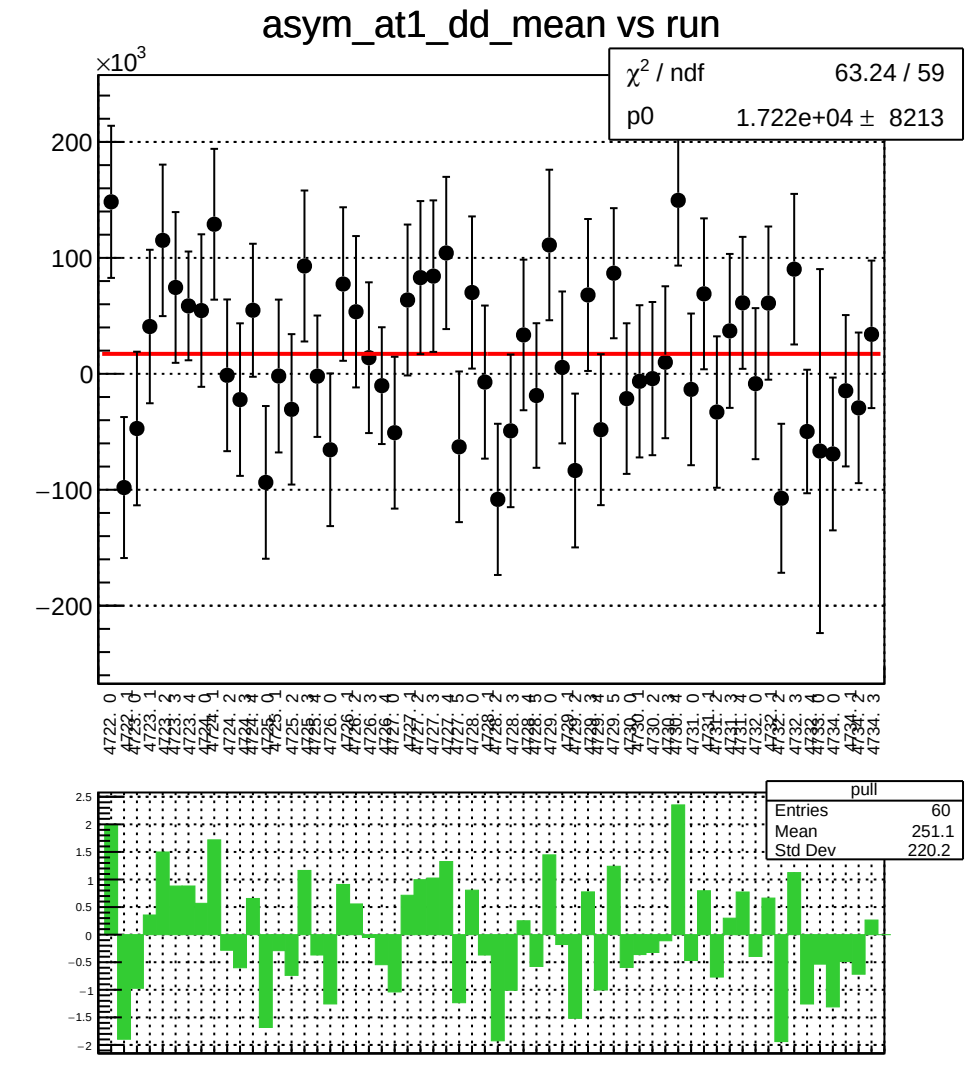

pull1D
Entries 60
Mean −0.01149
Std Dev 1.027

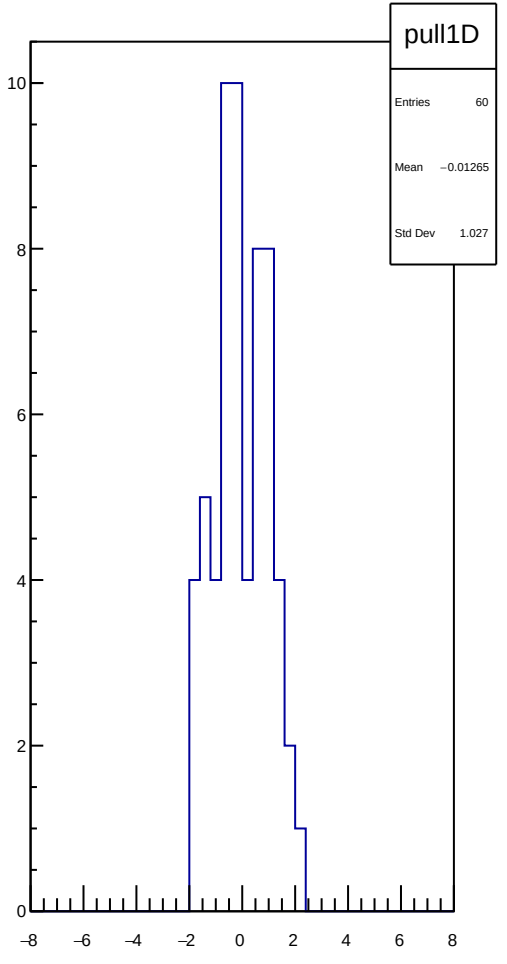

reg_asym_at1_dd_rms vs run
χ² / ndf 62.67 / 59
p0 6194 ± 5.796
6350
6300
6250
6200
6150
6100
6050
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

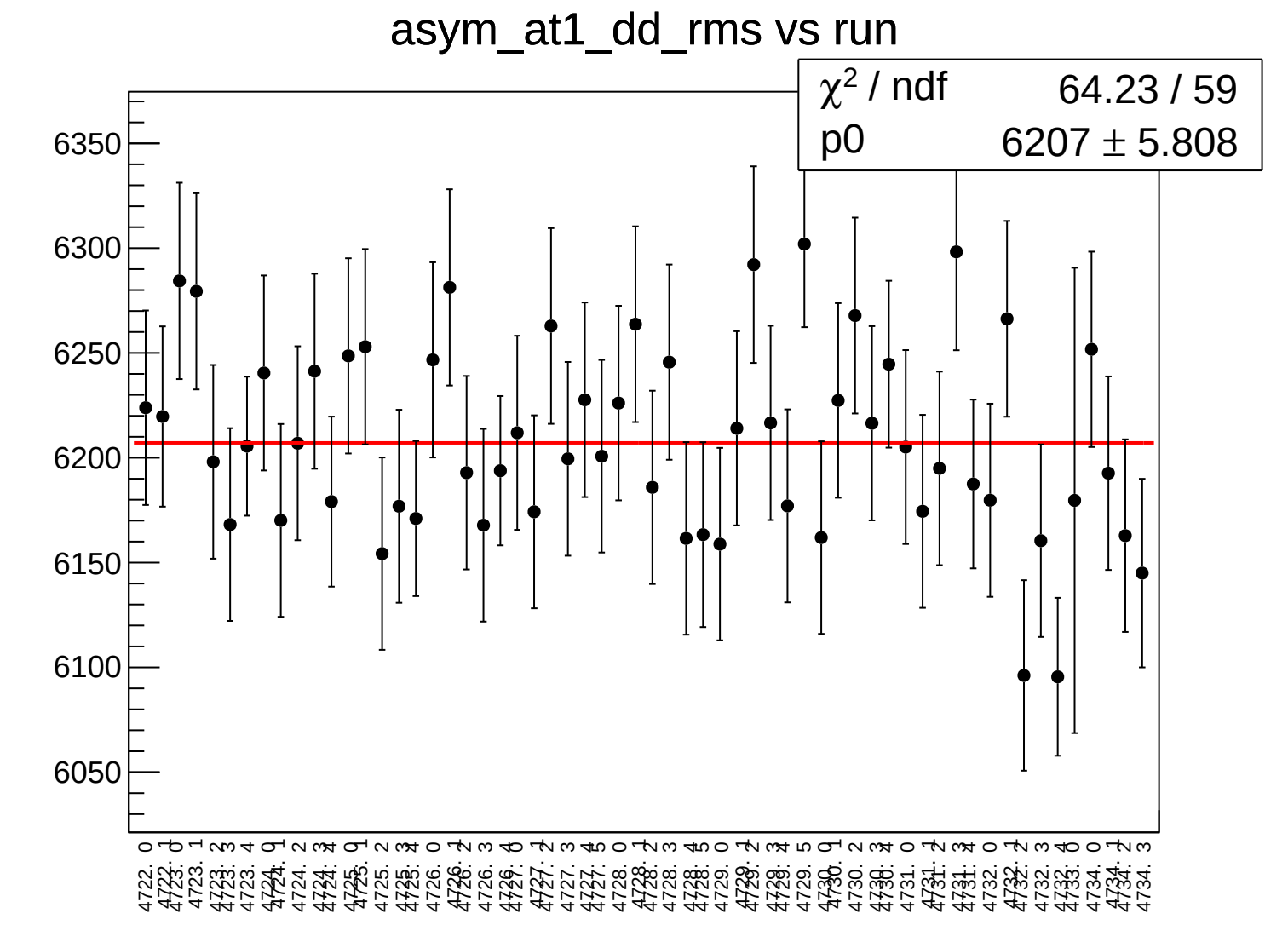

asym_at1_dd_correction_mean vs run
χ² / ndf 63.47 / 59
p0 2.328 ± 490.6
pull
Entries 60
Mean 94.32
Std Dev 68.24

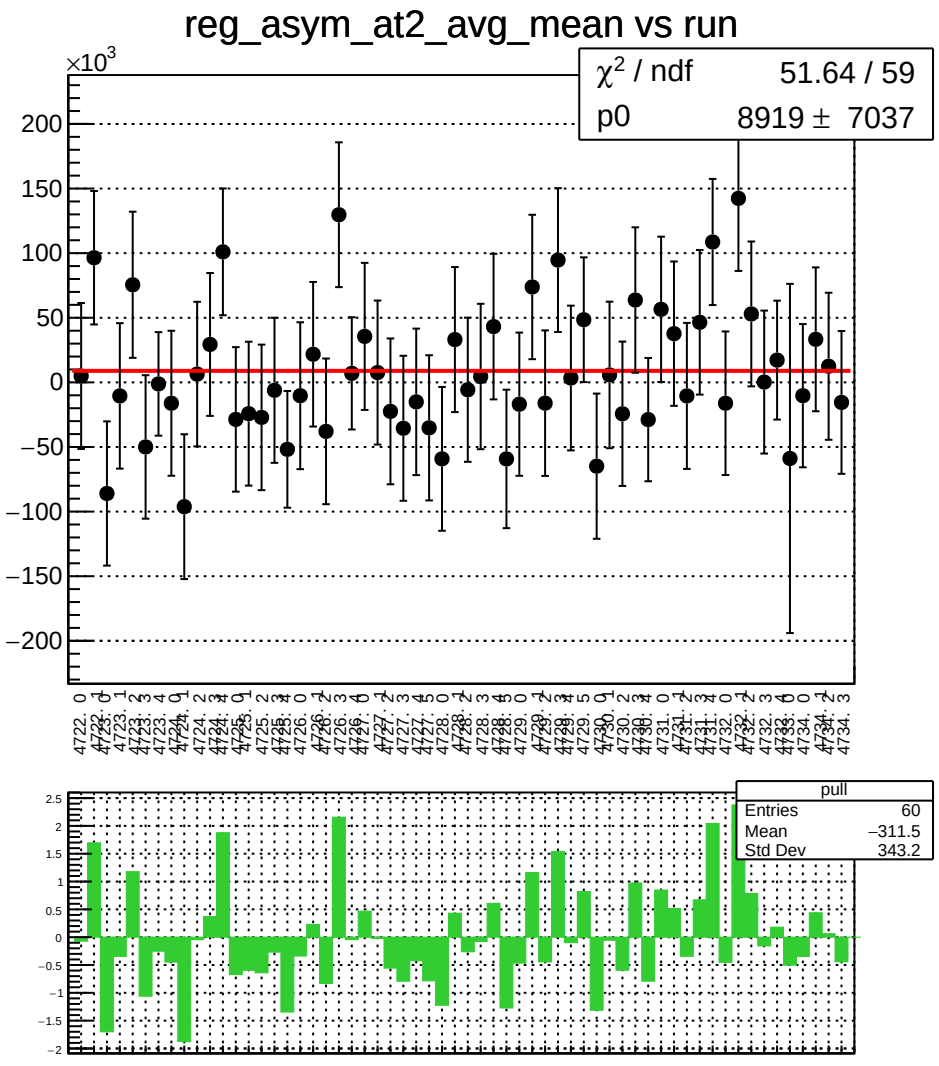

pull1D
Entries 60
Mean 0.03541
Std Dev 1.028

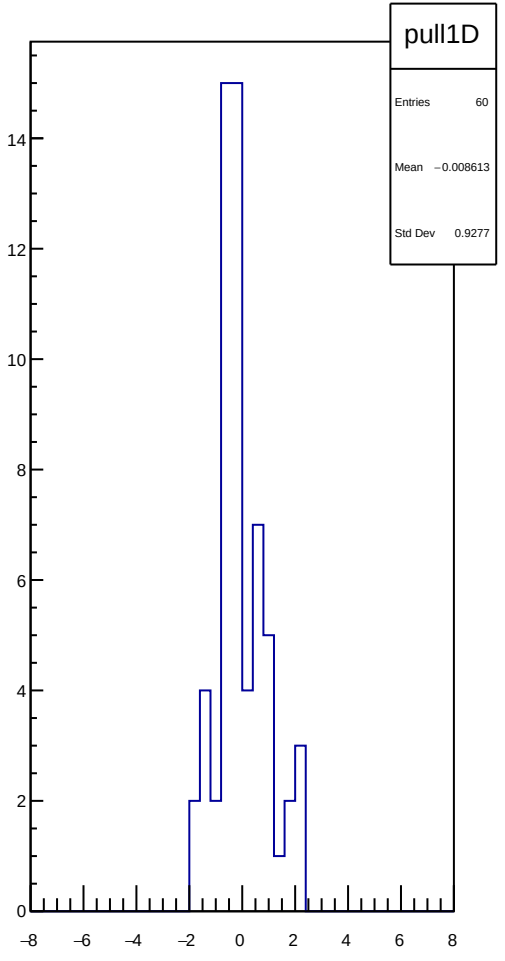

asym_at1_dd_correction_rms vs run
χ² / ndf 4.205e+04 / 59
p0 363.9 ± 0.3469
600
550
500
450
400
350
300
250
200

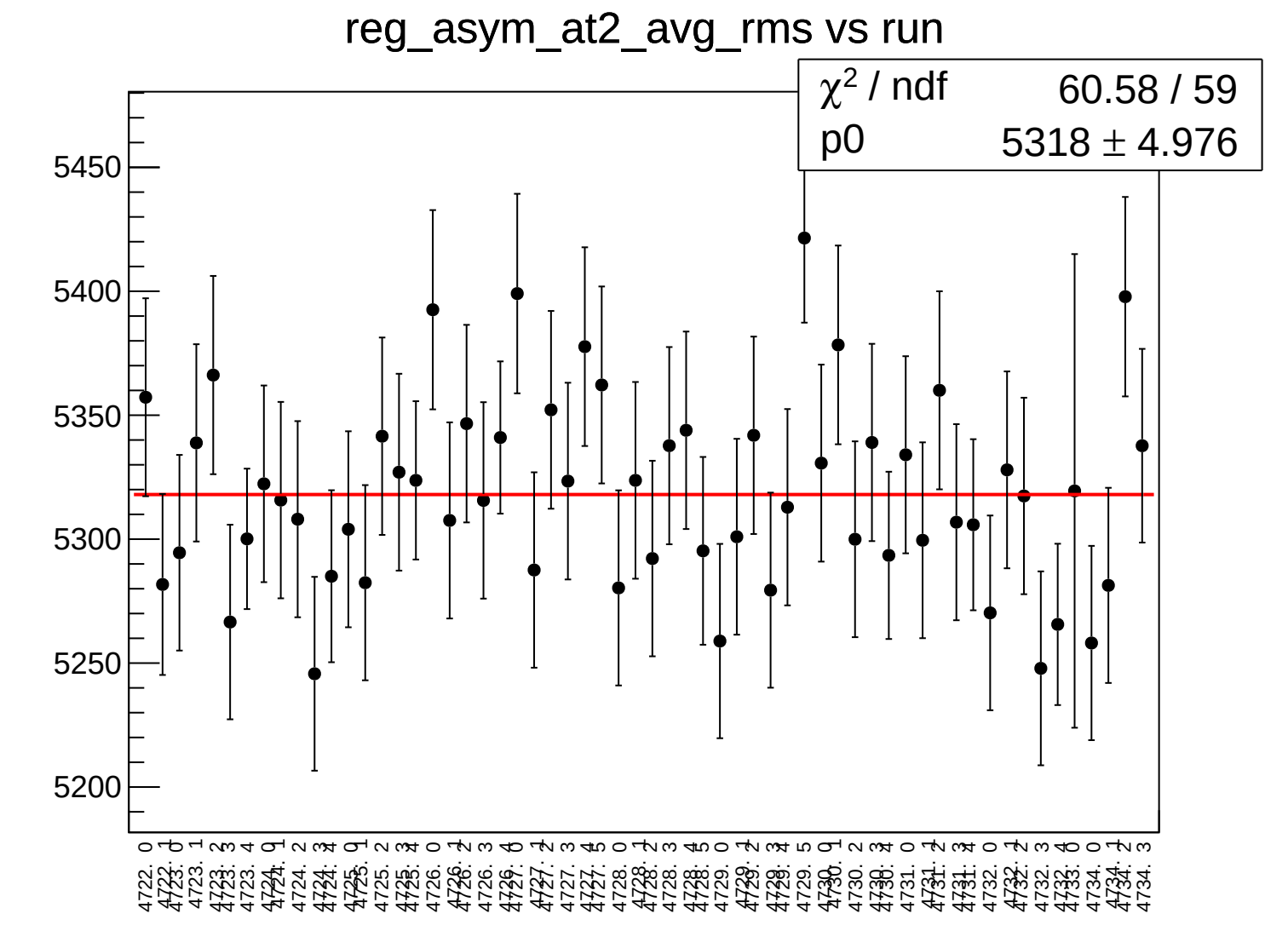

asym_at1_dd_mean vs run
×10^3
χ² / ndf 63.24 / 59
p0 1.722e+04 ± 8213
200
100
0
−100
−200
pull
Entries 60
Mean 251.1
Std Dev 220.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

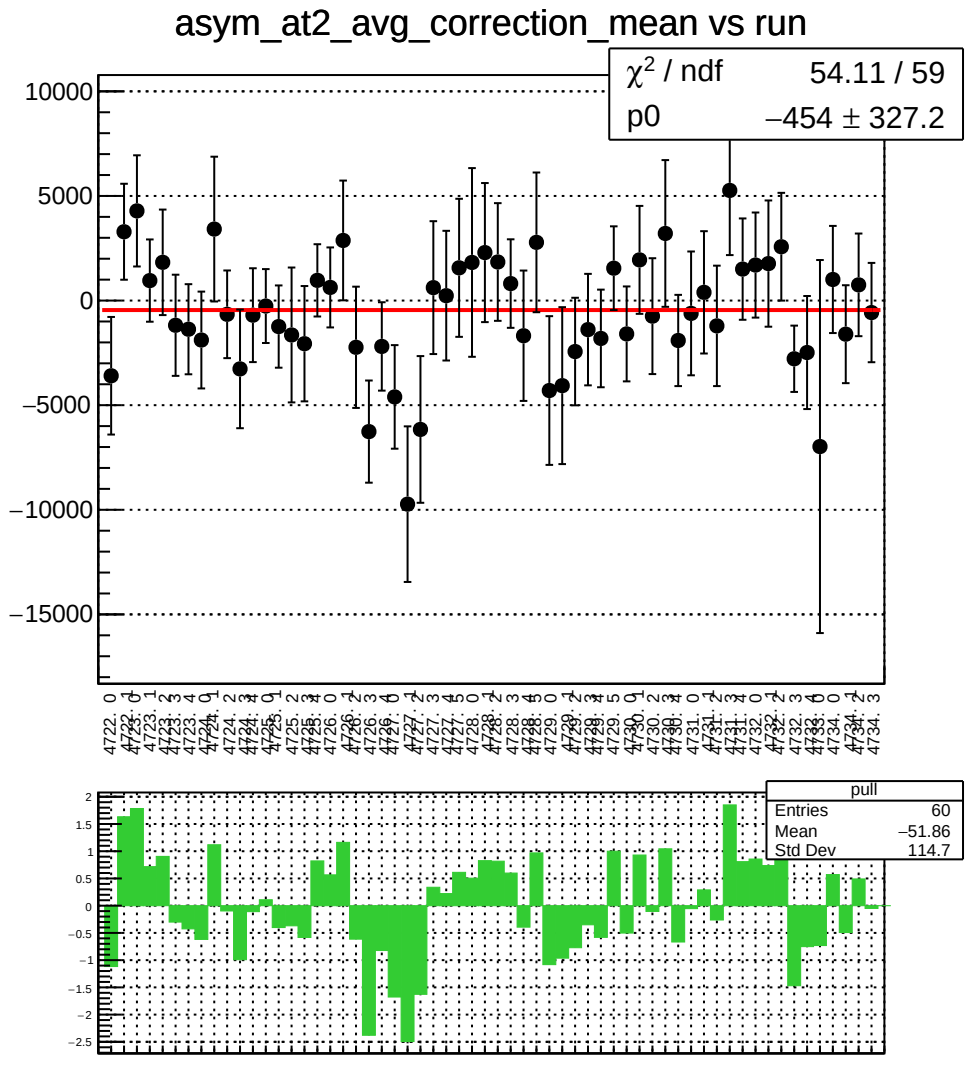

pull1D
Entries 60
Mean −0.01265
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

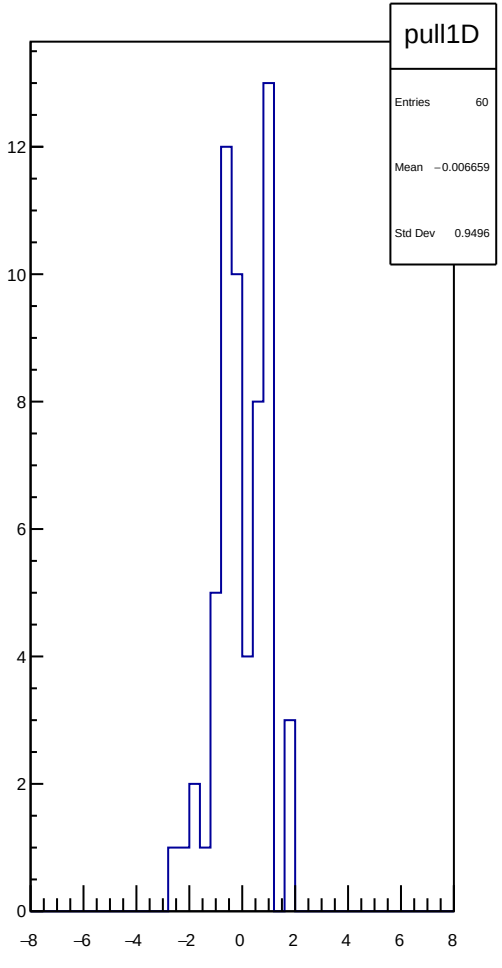

asym_at1_dd_rms vs run
χ² / ndf 64.23 / 59
p0 6207 ± 5.808
6350
6300
6250
6200
6150
6100
6050
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

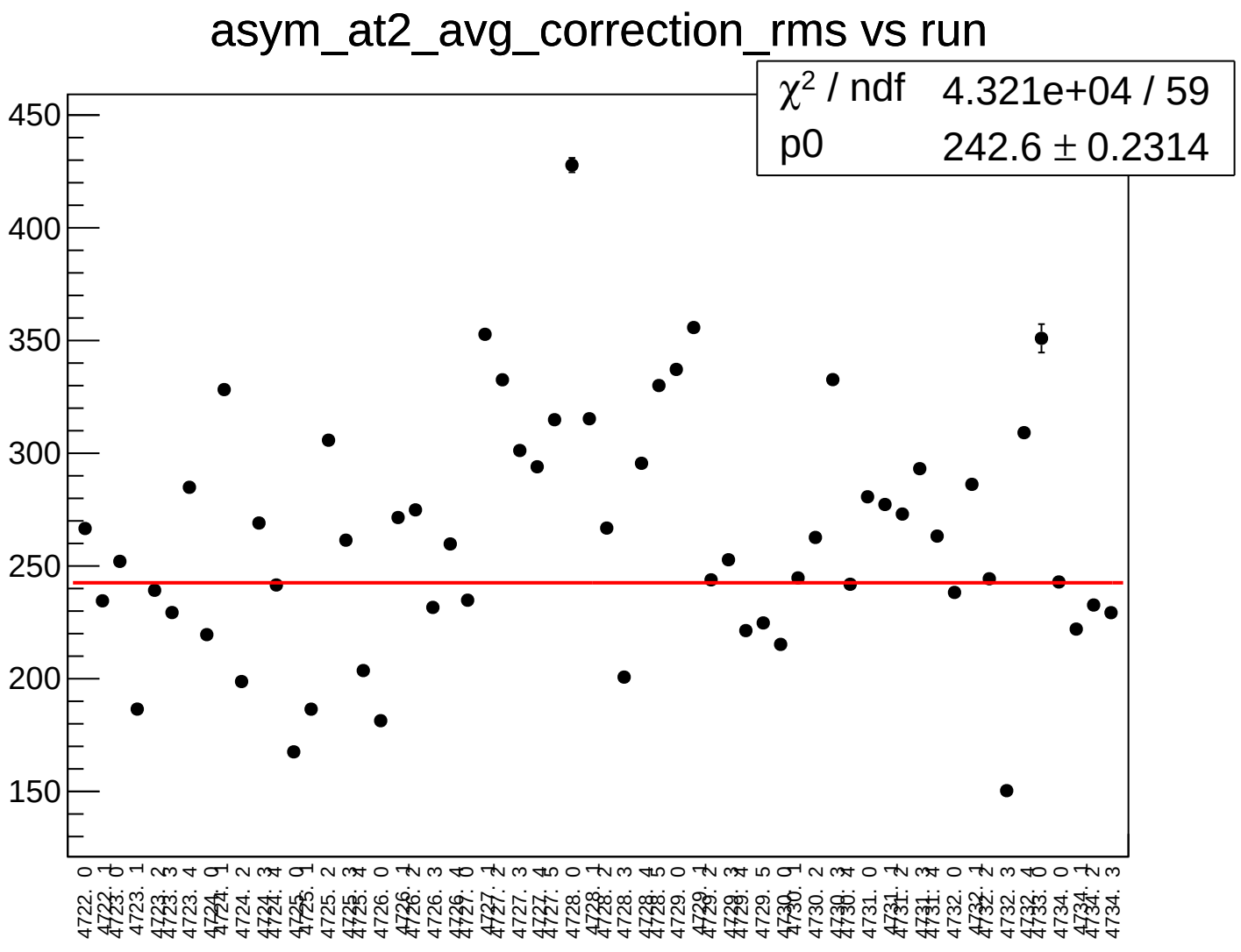

reg_asym_at2_avg_mean vs run
×10^3
χ² / ndf 51.64 / 59
p0 8919 ± 7037
pull
Entries 60
Mean −311.5
Std Dev 343.2

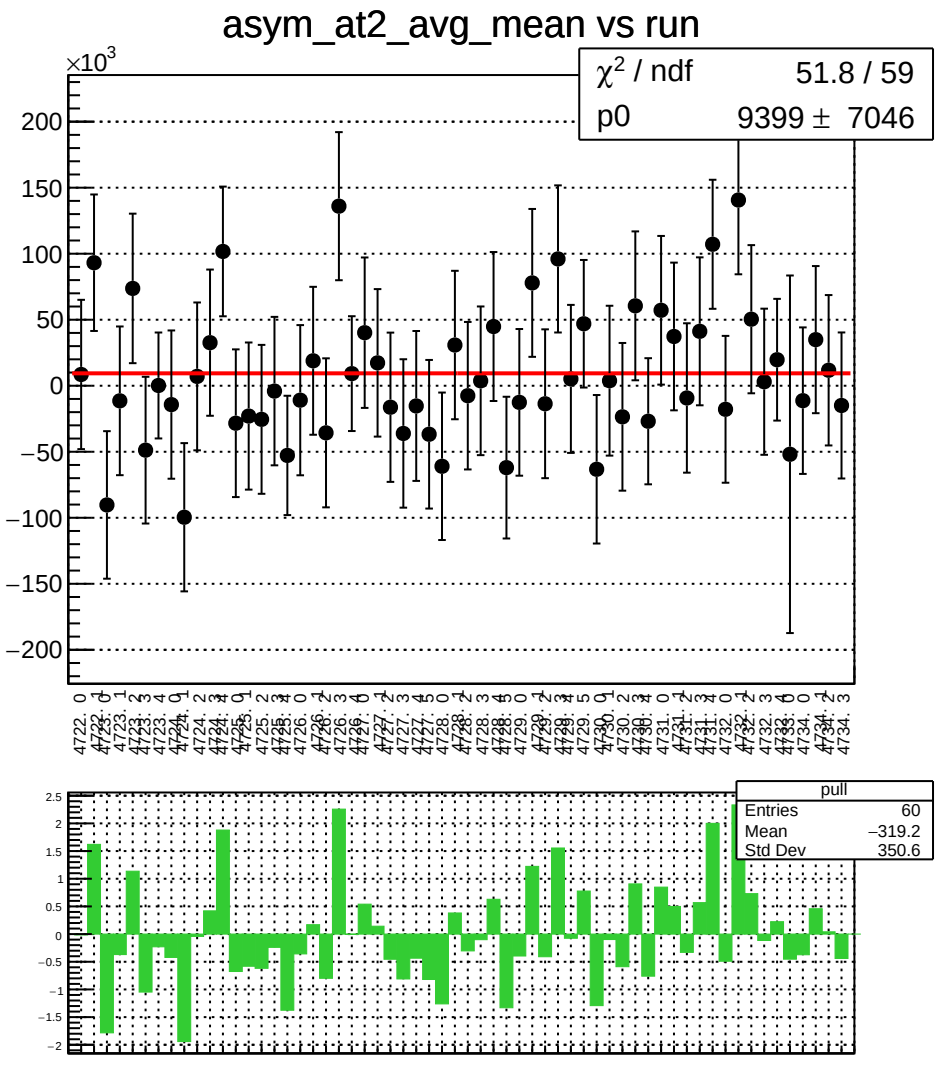

pull1D
Entries 60
Mean −0.008613
Std Dev 0.9277

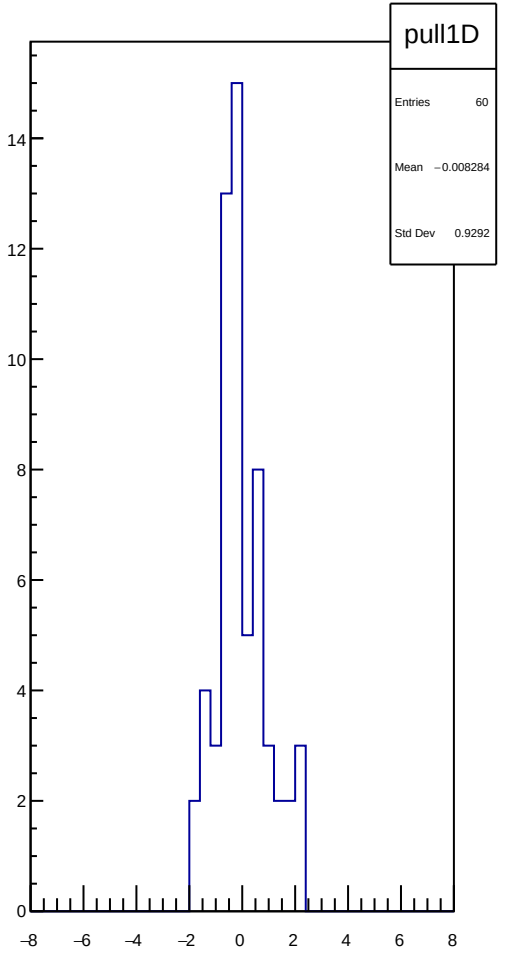

reg_asym_at2_avg_rms vs run
χ² / ndf 60.58 / 59
p0 5318 ± 4.976
5450
5400
5350
5300
5250
5200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

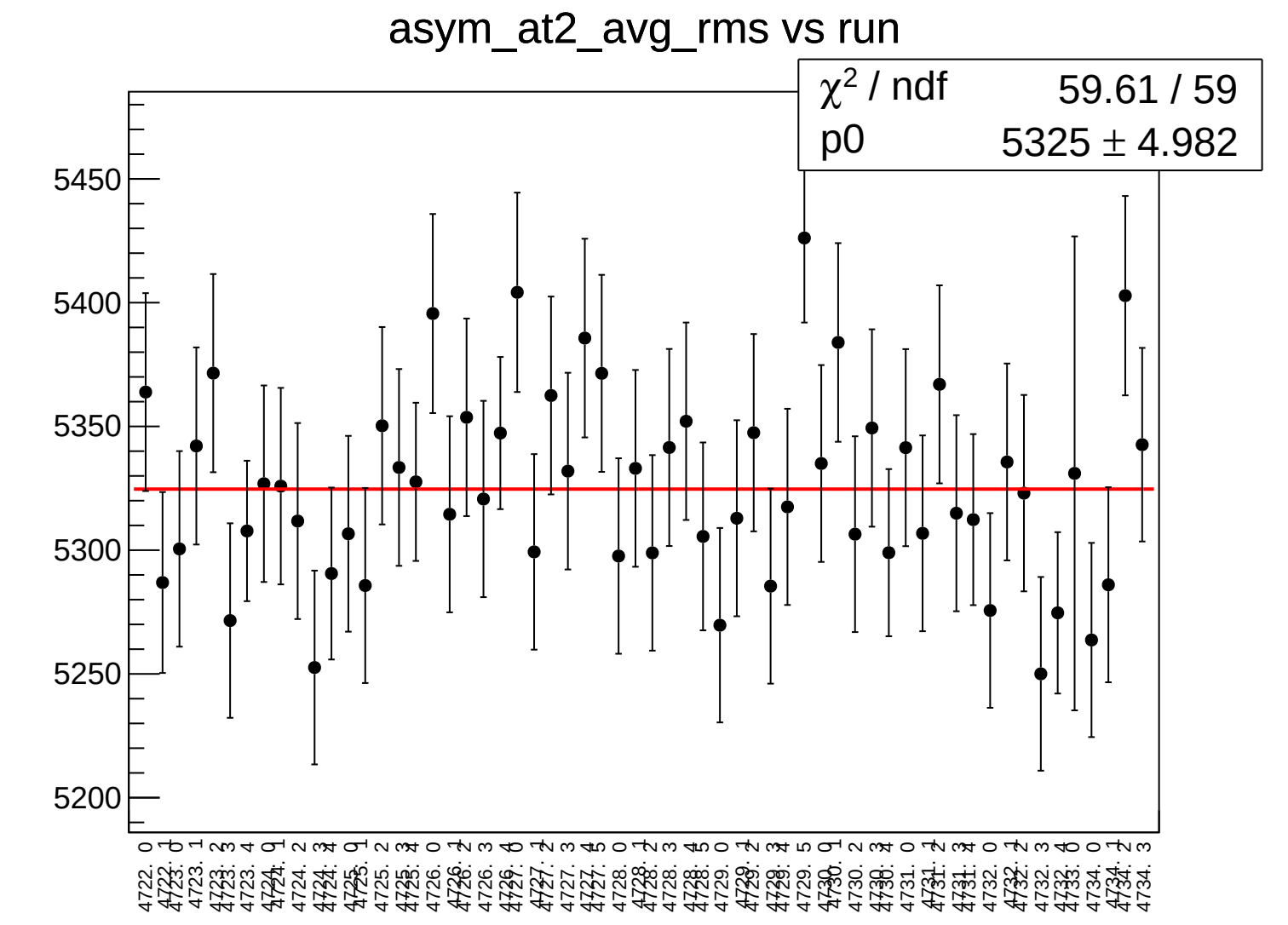

asym_at2_avg_correction_mean vs run
χ² / ndf 54.11 / 59
p0 −454 ± 327.2
pull
Entries 60
Mean −51.86
Std Dev 114.7

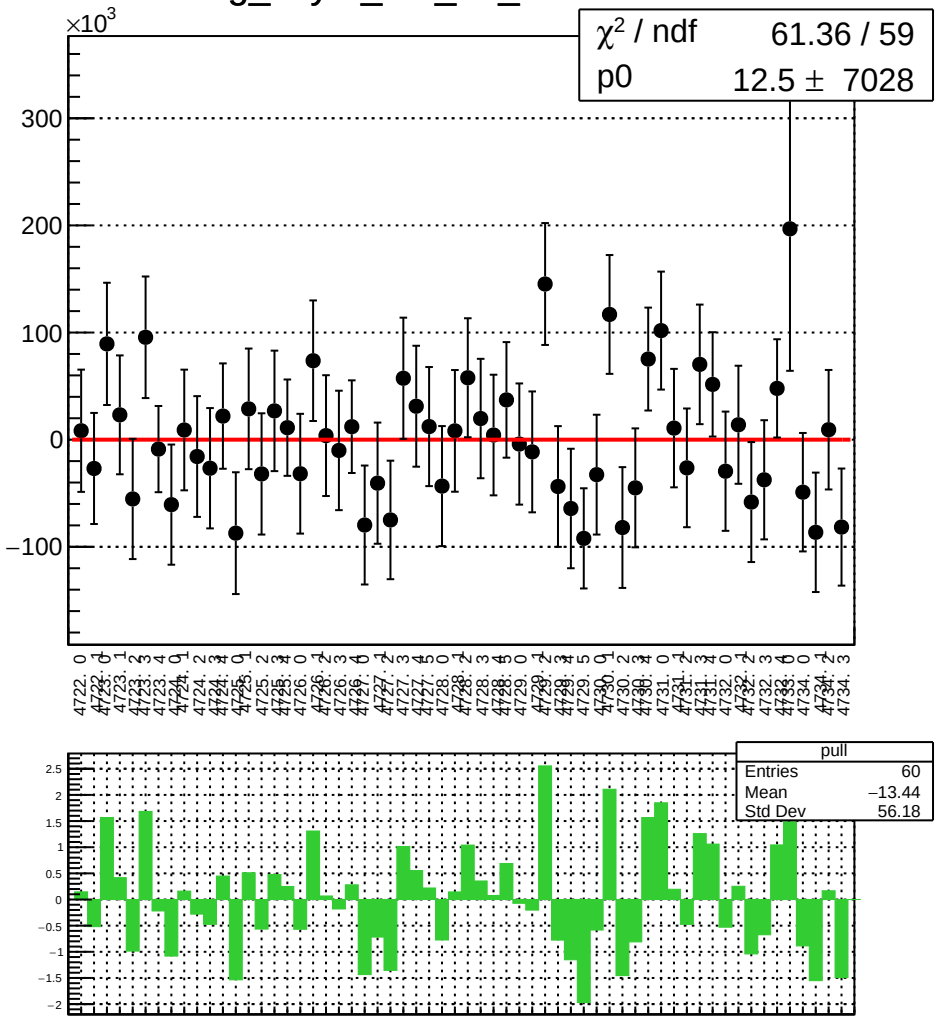

pull1D
Entries 60
Mean −0.006659
Std Dev 0.9496

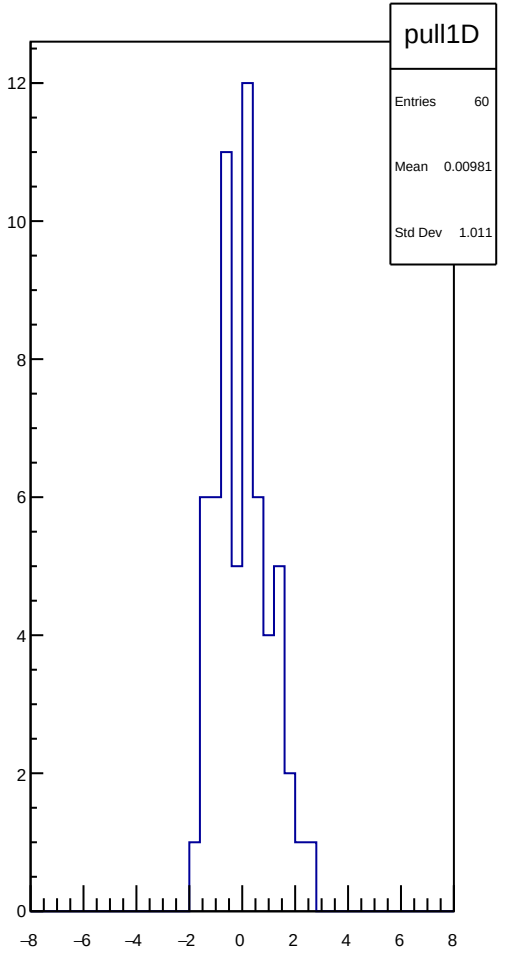

asym_at2_avg_correction_rms vs run
χ² / ndf 4.321e+04 / 59
p0 242.6 ± 0.2314
450
400
350
300
250
200
150

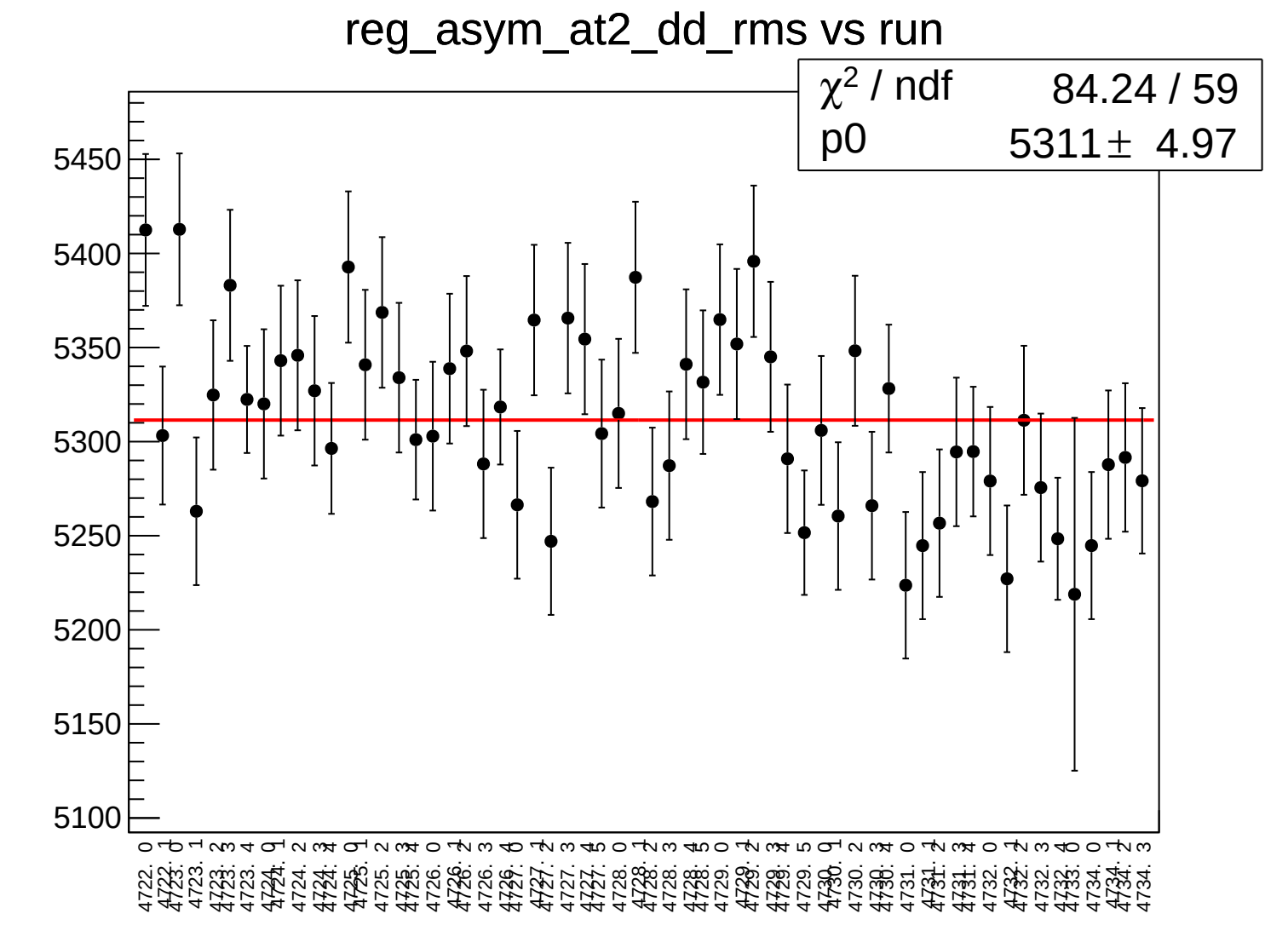

asym_at2_avg_mean vs run
×10^3
χ² / ndf 51.8 / 59
p0 9399 ± 7046
pull
Entries 60
Mean −319.2
Std Dev 350.6

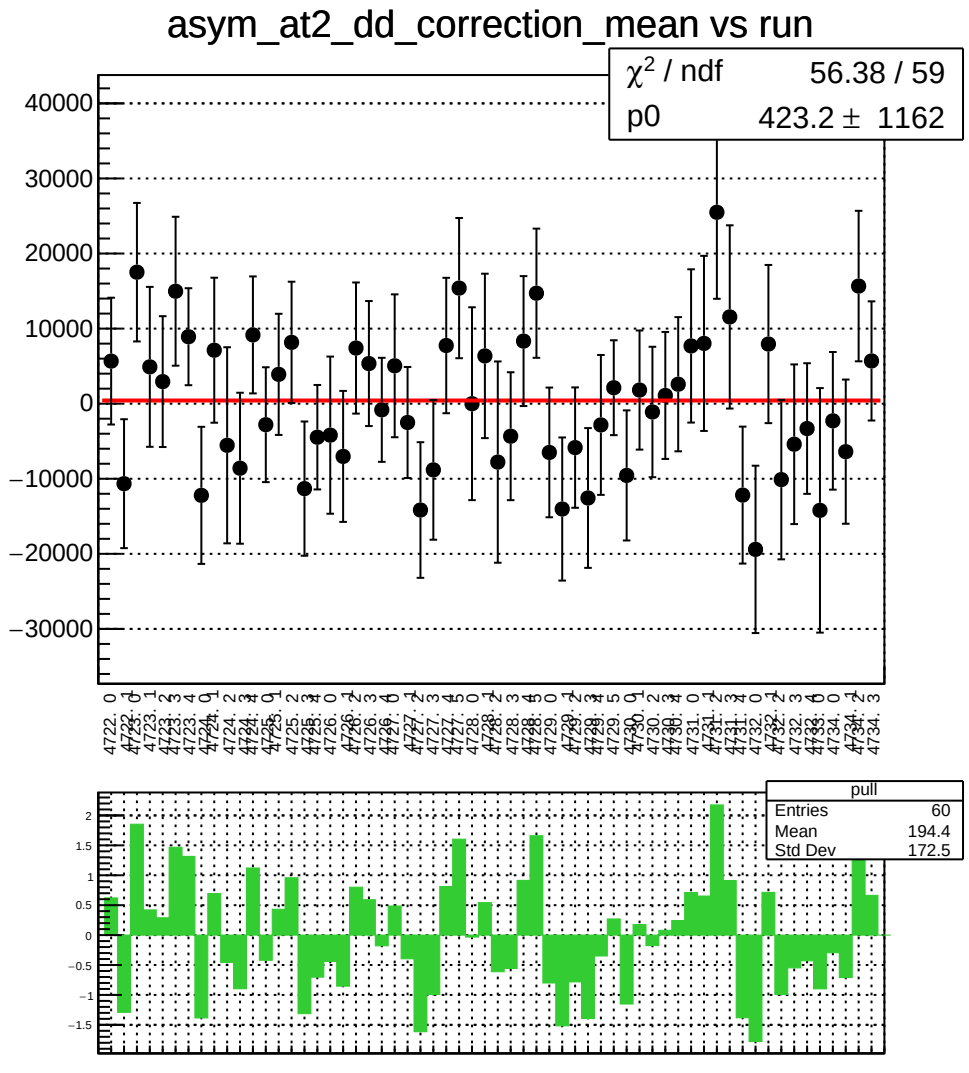

pull1D
Entries 60
Mean −0.008284
Std Dev 0.9292

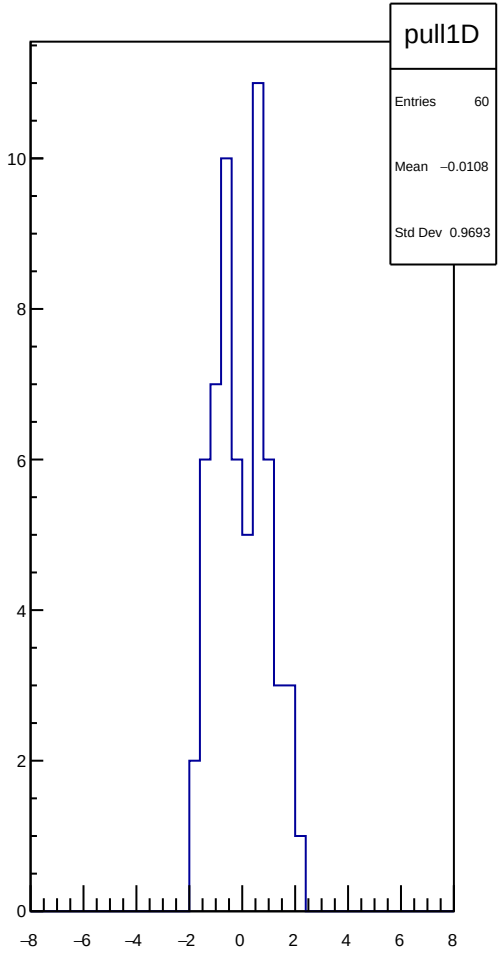

asym_at2_avg_rms vs run
χ^2 / ndf 59.61 / 59
p0 5325 ± 4.982
5450
5400
5350
5300
5250
5200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

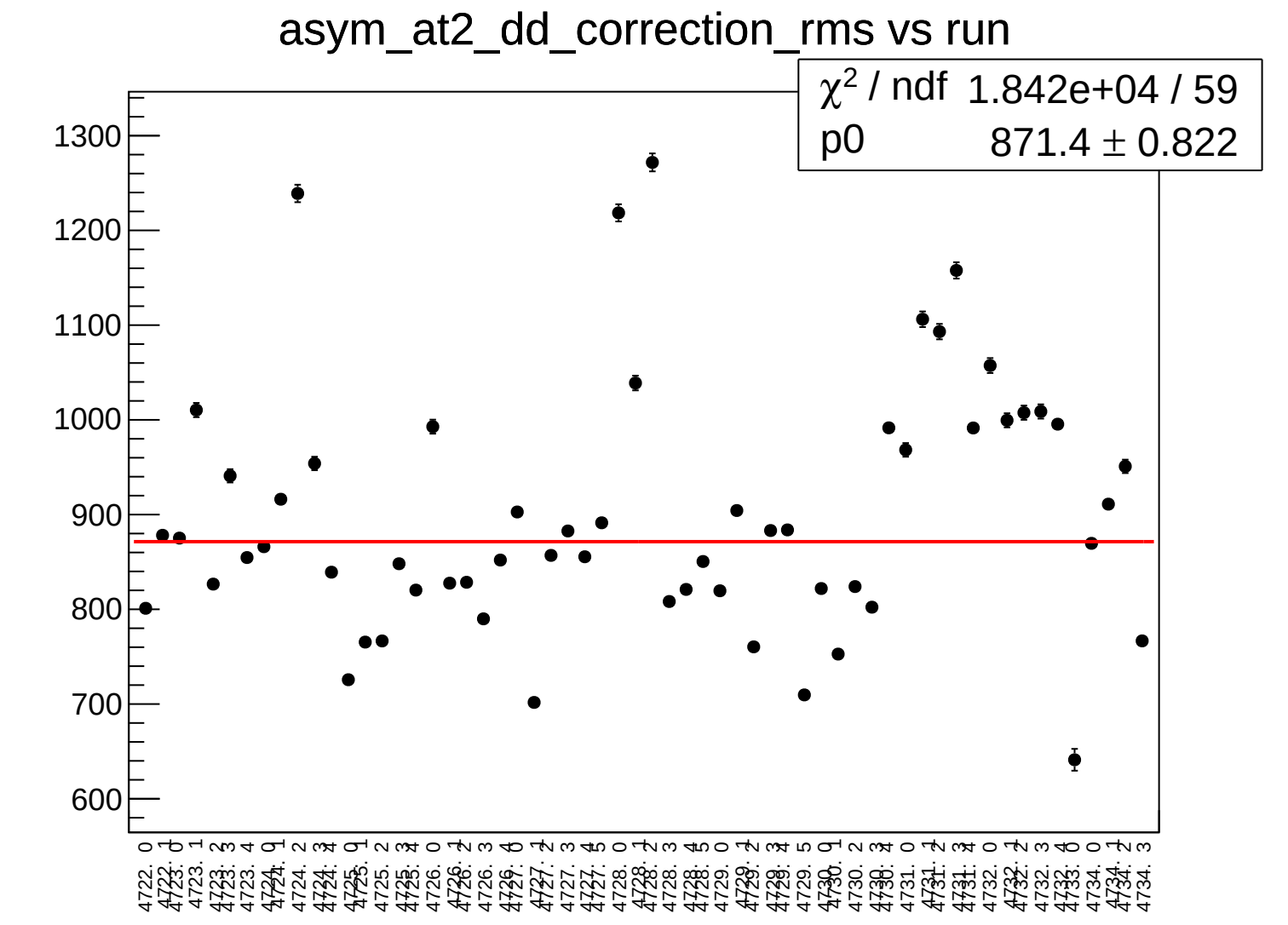

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 61.36 / 59
p0 12.5 ± 7028
300
200
100
0
−100
pull
Entries 60
Mean −13.44
Std Dev 56.18
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

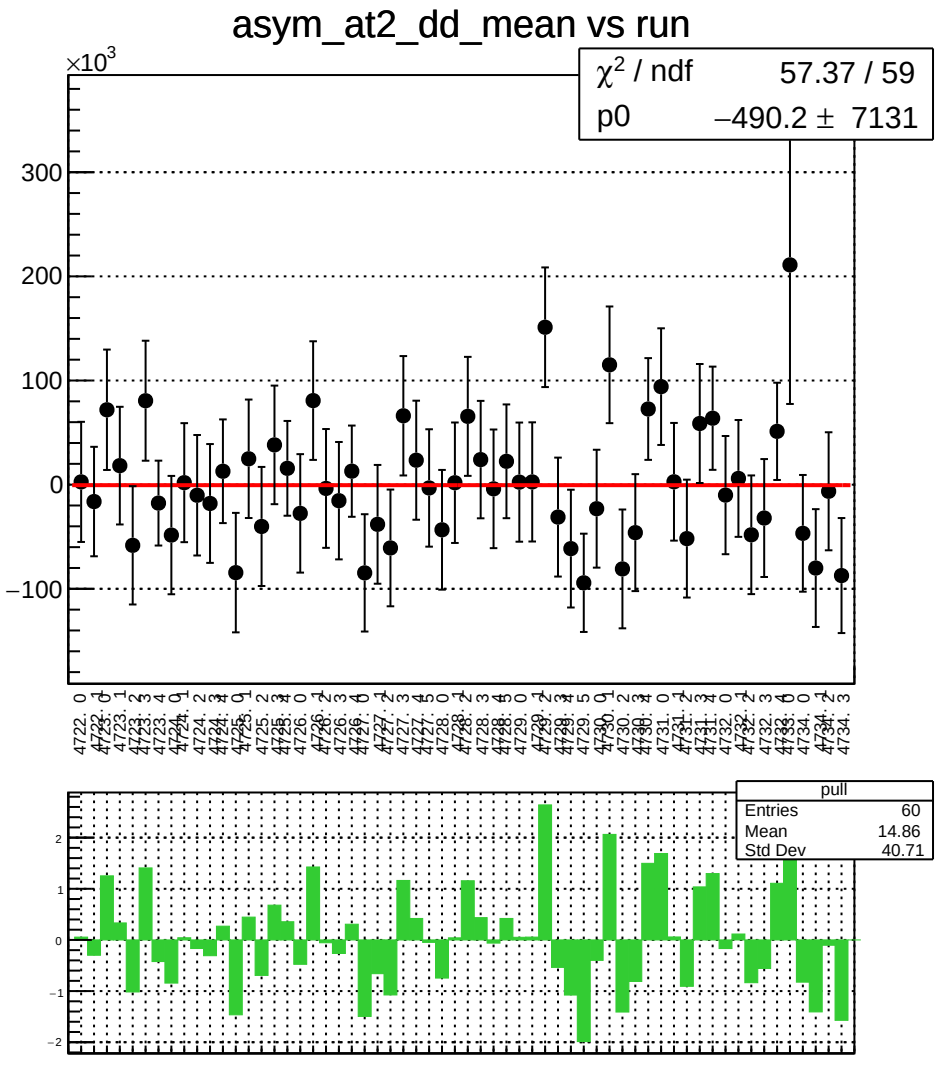

pull1D
Entries 60
Mean 0.00981
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

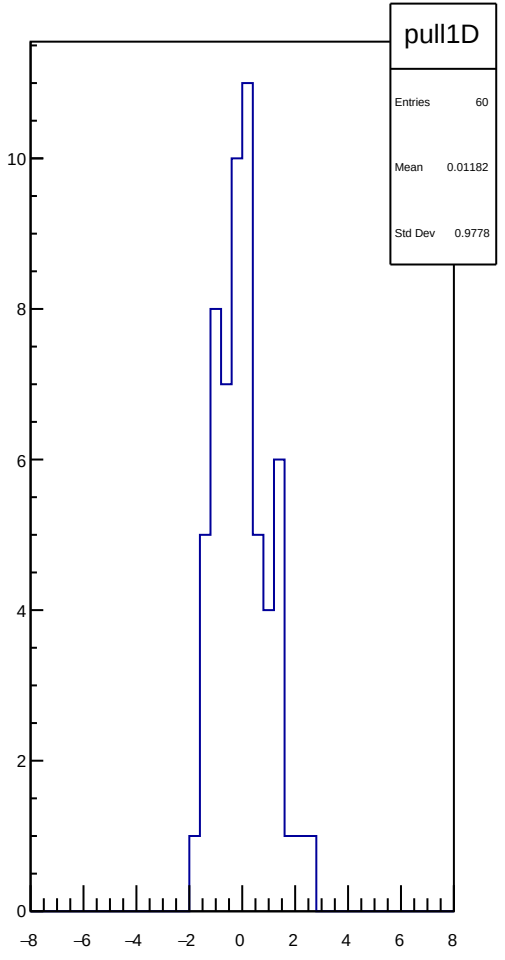

reg_asym_at2_dd_rms vs run
χ² / ndf 84.24 / 59
p0 5311 ± 4.97
5450
5400
5350
5300
5250
5200
5150
5100

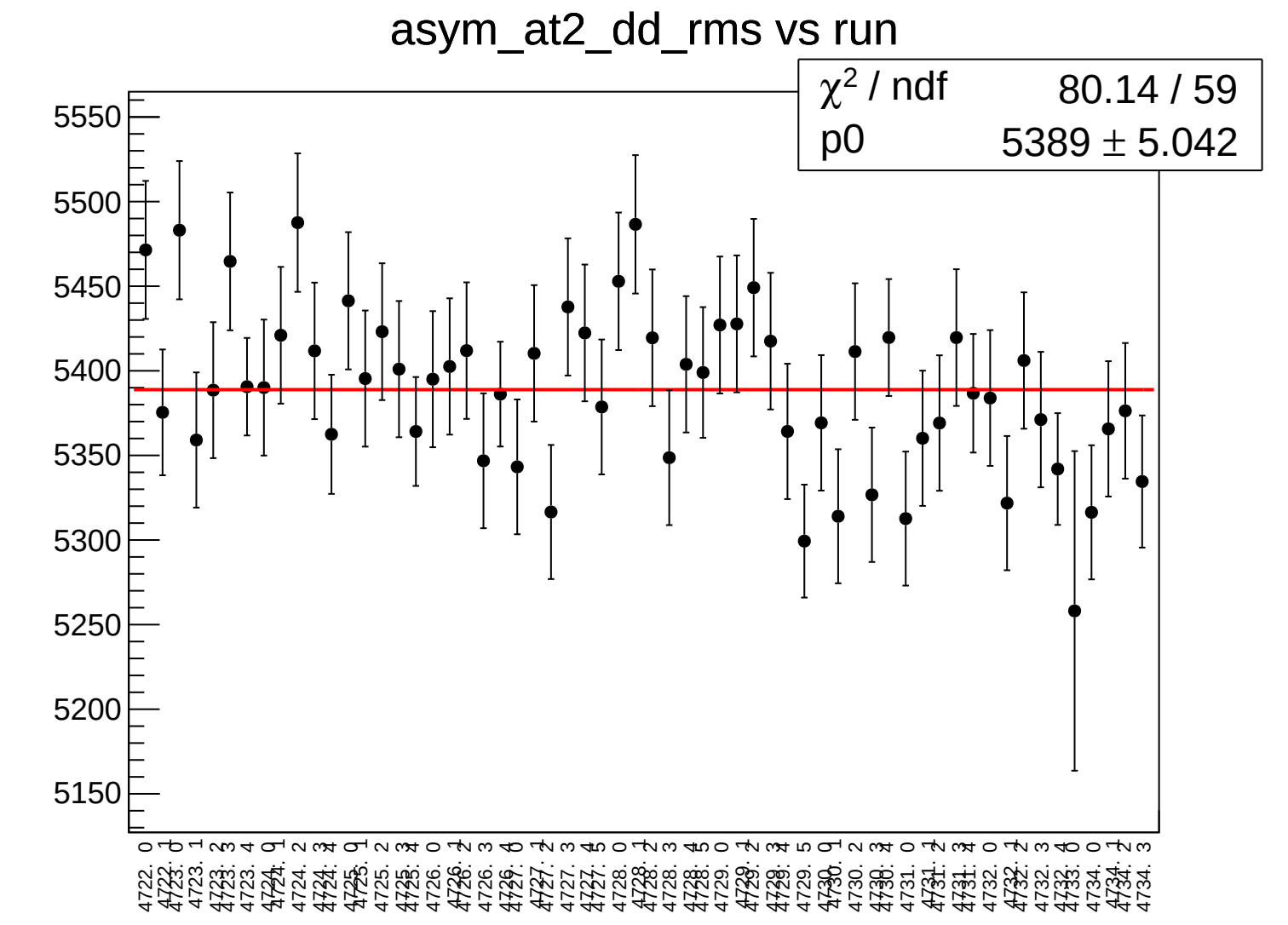

asym_at2_dd_correction_mean vs run
χ² / ndf 56.38 / 59
p0 423.2 ± 1162
pull
Entries 60
Mean 194.4
Std Dev 172.5

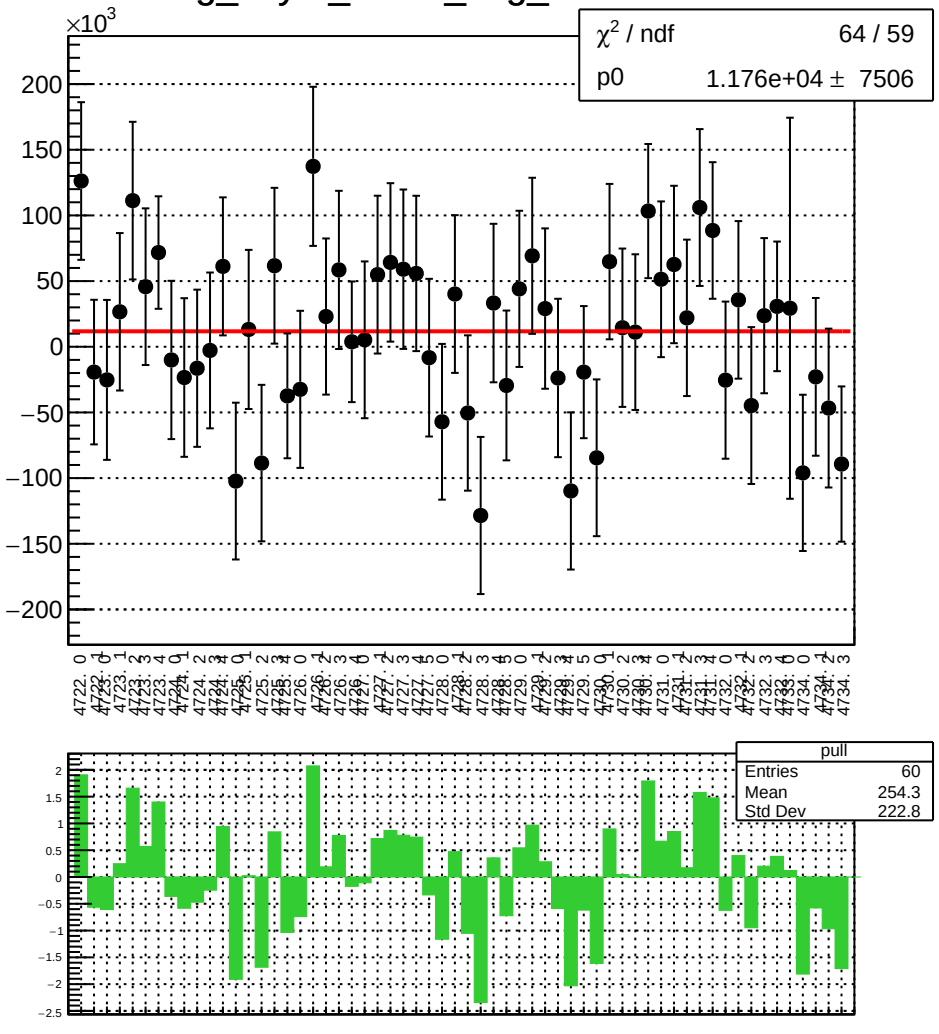

pull1D
Entries 60
Mean −0.0108
Std Dev 0.9693

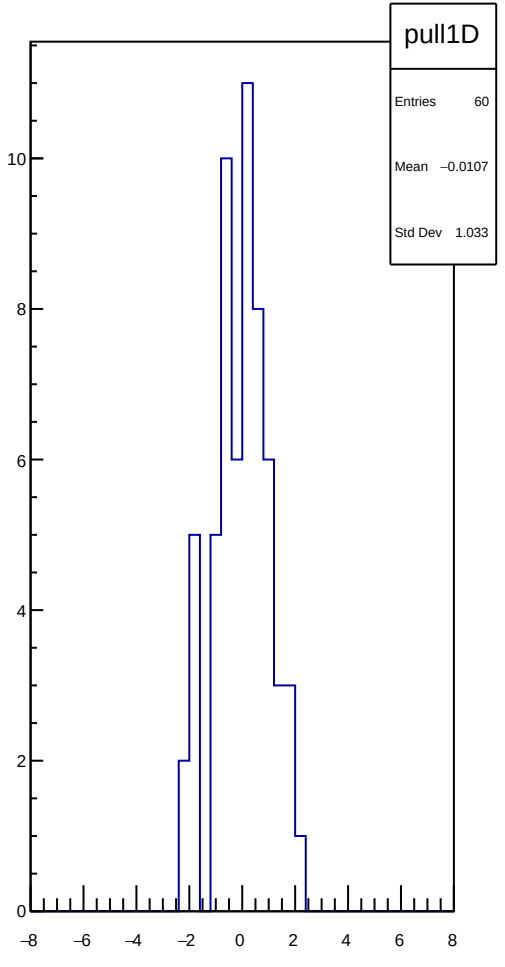

asym_at2_dd_correction_rms vs run
χ² / ndf 1.842e+04 / 59
p0 871.4 ± 0.822
1300
1200
1100
1000
900
800
700
600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

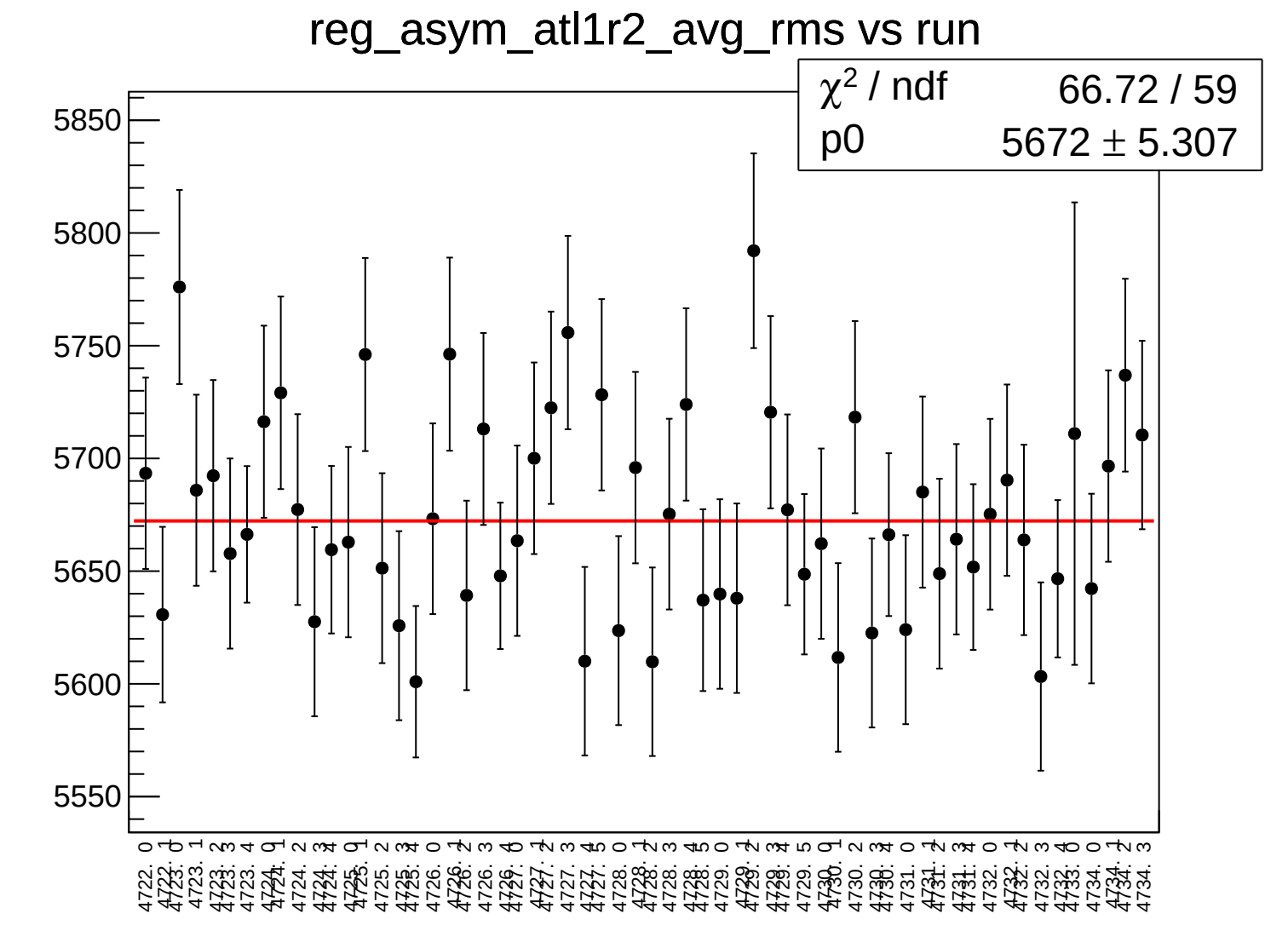

asym_at2_dd_mean vs run
×10^3
χ² / ndf 57.37 / 59
p0 −490.2 ± 7131
300
200
100
0
−100
pull
Entries 60
Mean 14.86
Std Dev 40.71
2
1
0
−1
−2

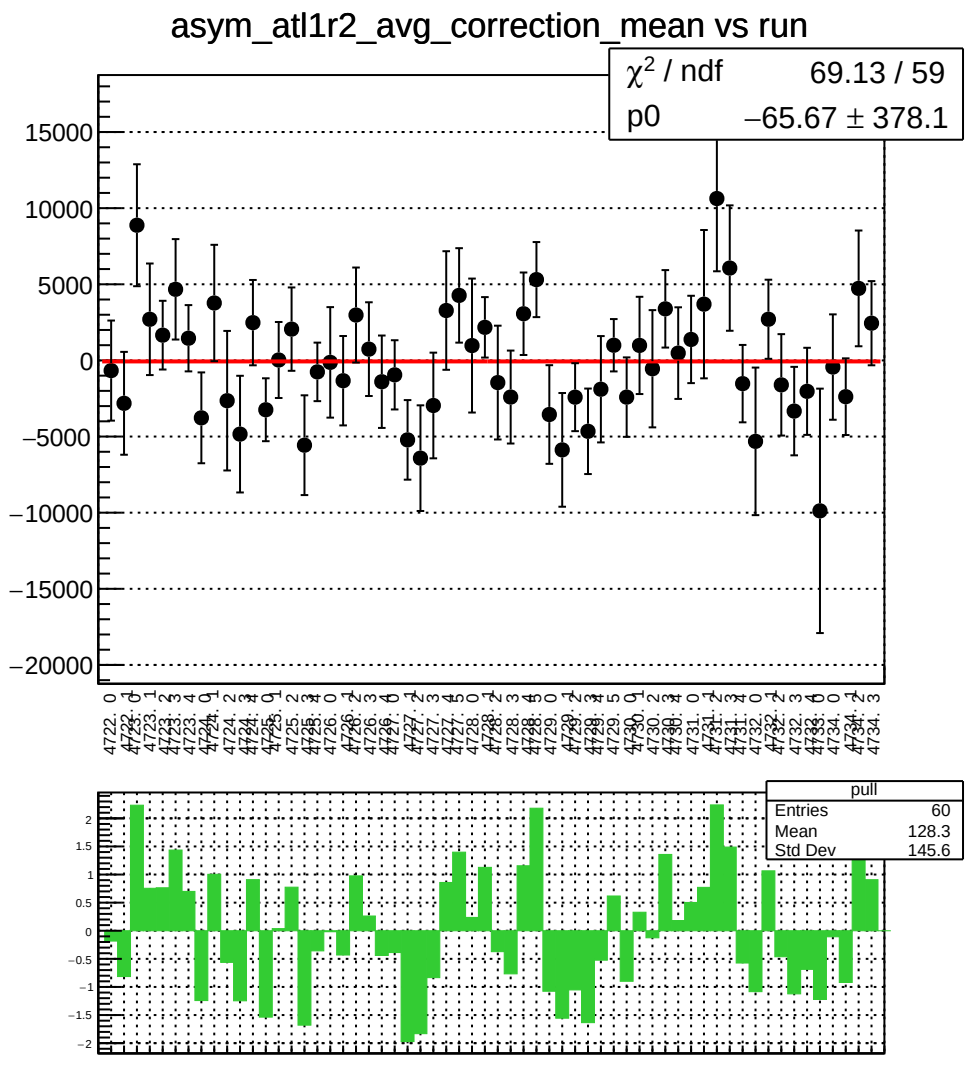

pull1D
Entries 60
Mean 0.01182
Std Dev 0.9778
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

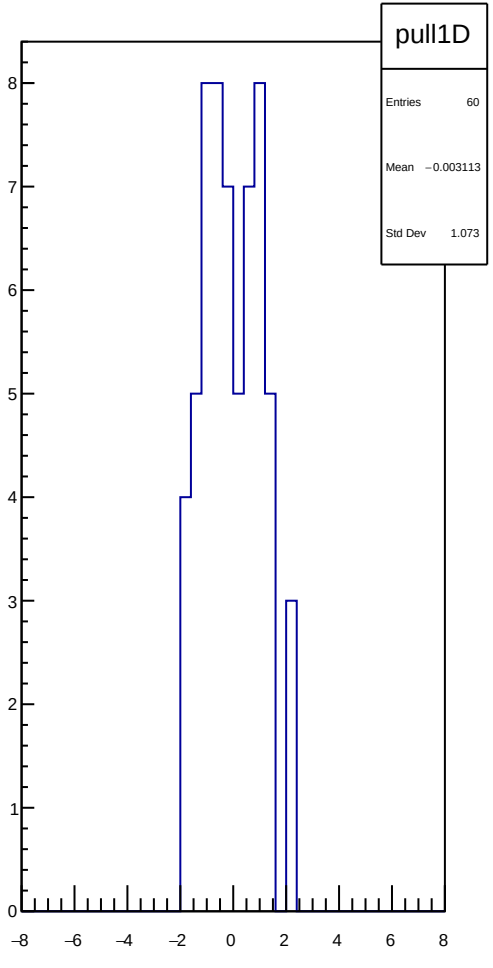

asym_at2_dd_rms vs run
χ^2 / ndf 80.14 / 59
p0 5389 ± 5.042
5550
5500
5450
5400
5350
5300
5250
5200
5150
4722. 0
4722. 1
4722. 2
4722. 3
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4724. 5
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4725. 5
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4726. 5
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4730. 5
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4731. 5
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4732. 5
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

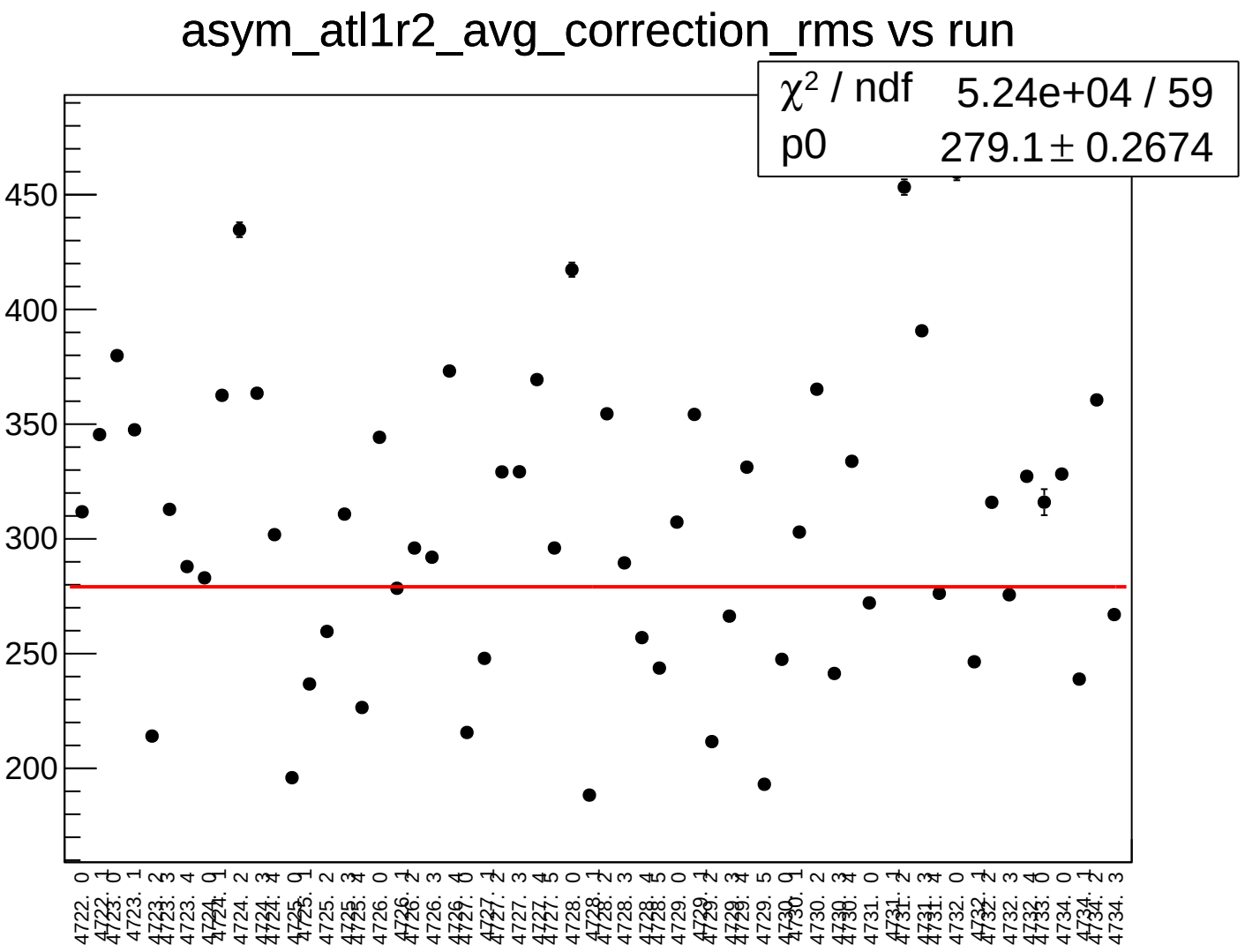

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 64 / 59
p0 1.176e+04 ± 7506
pull
Entries 60
Mean 254.3
Std Dev 222.8

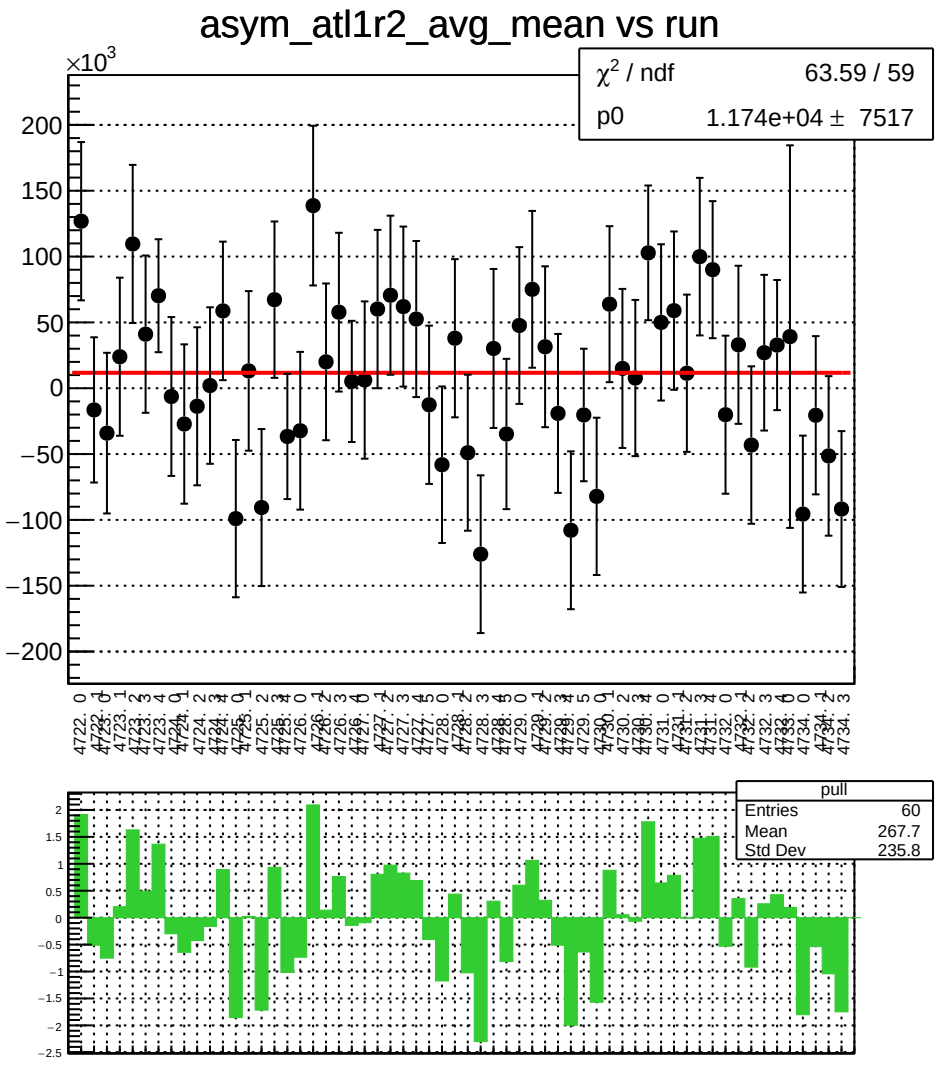

pull1D
Entries 60
Mean −0.0107
Std Dev 1.033

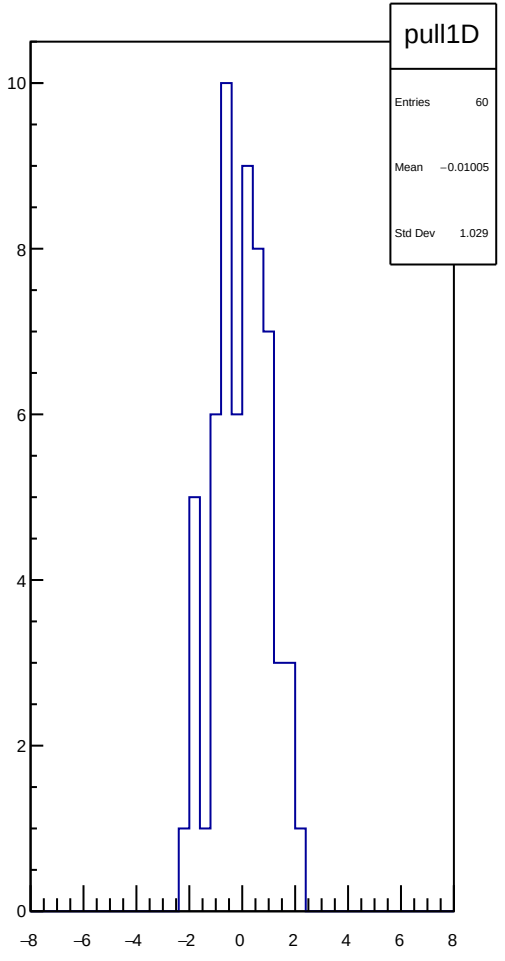

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 66.72 / 59
p0 5672 ± 5.307
5850
5800
5750
5700
5650
5600
5550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

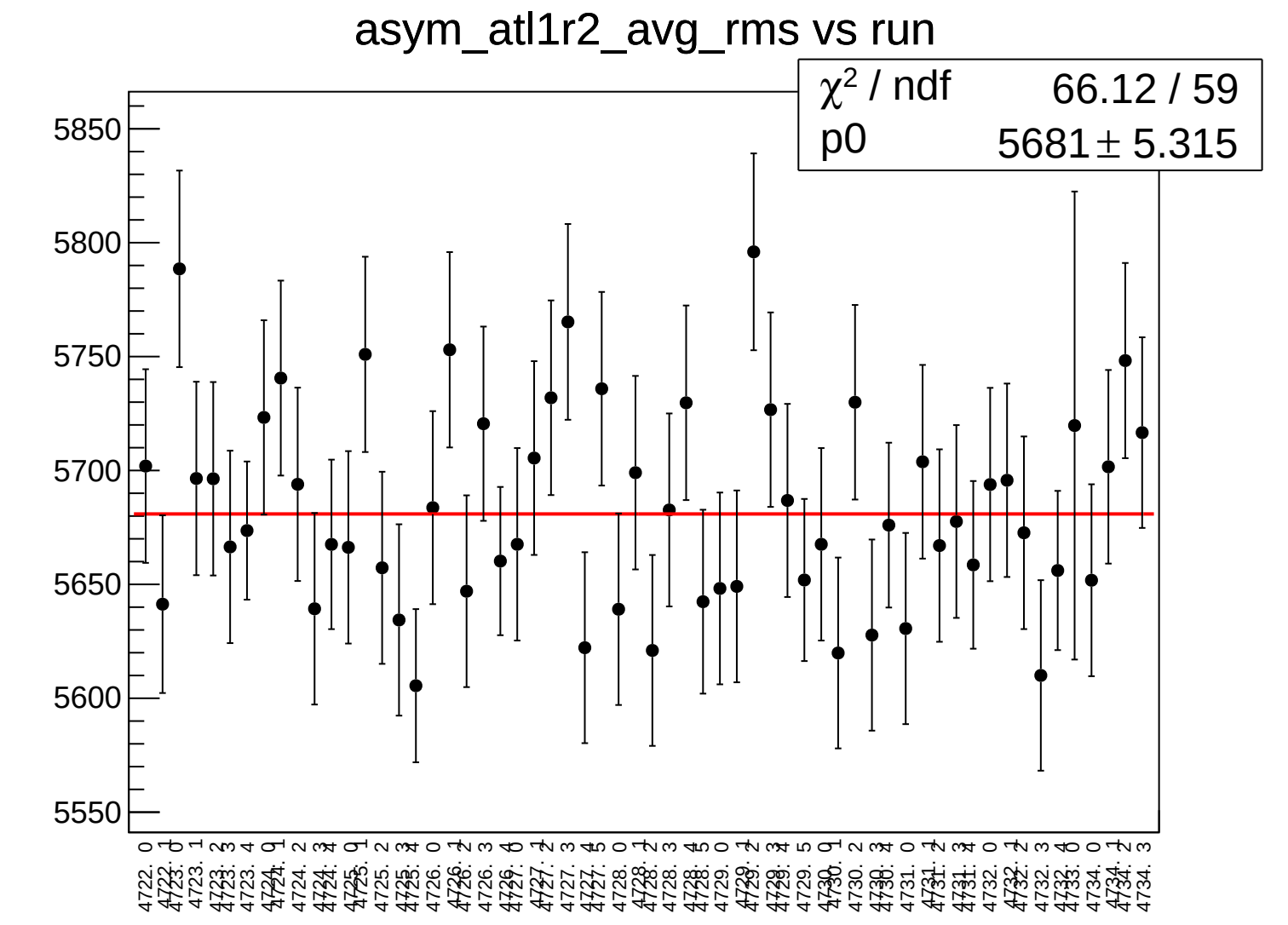

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 69.13 / 59
p0 −65.67 ± 378.1
pull
Entries 60
Mean 128.3
Std Dev 145.6

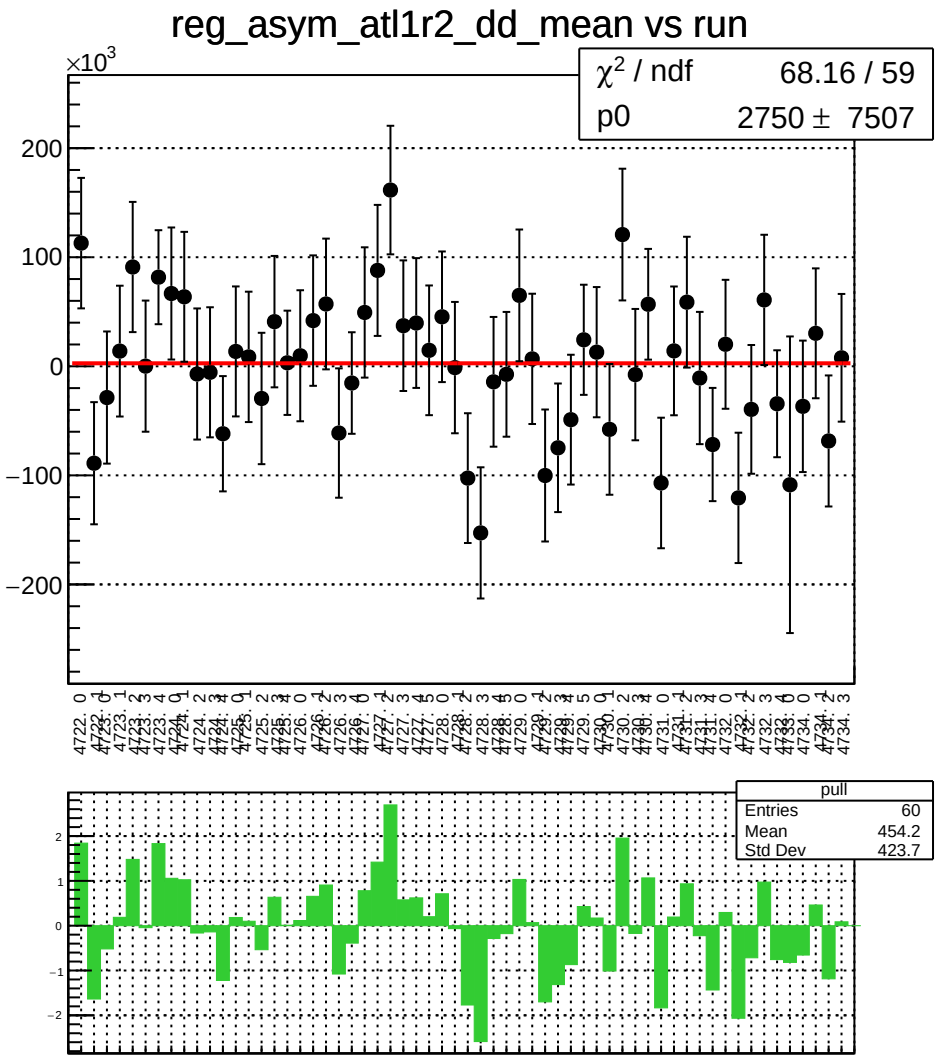

pull1D
Entries 60
Mean −0.003113
Std Dev 1.073

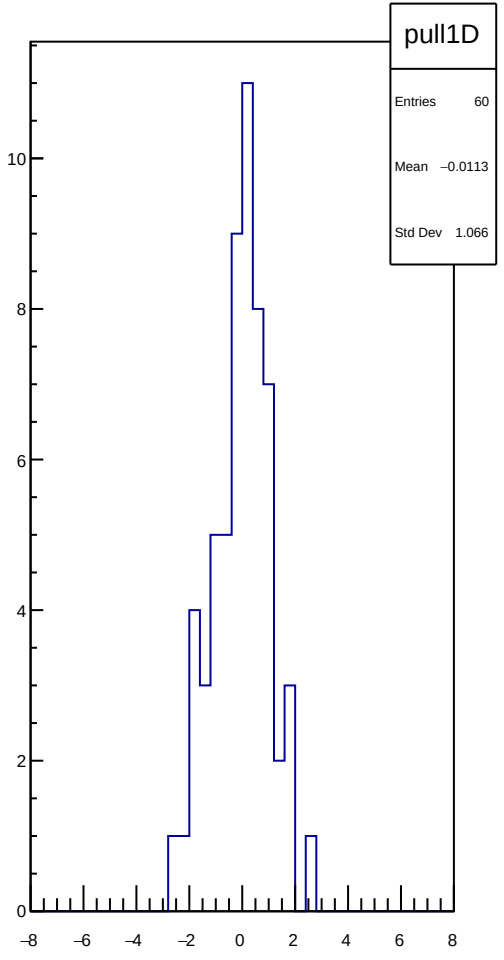

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 5.24e+04 / 59
p0 279.1 ± 0.2674
450
400
350
300
250
200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

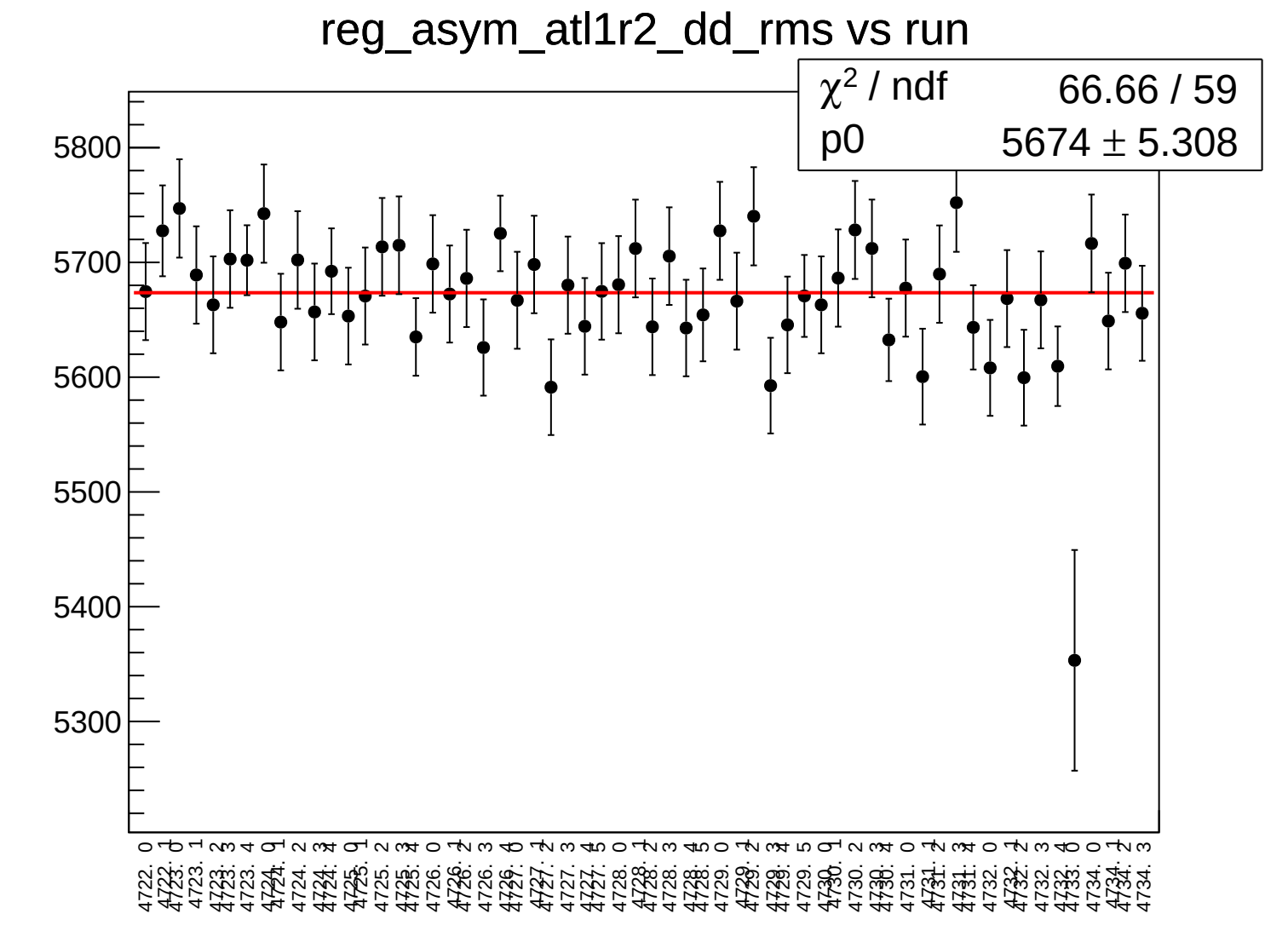

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 63.59 / 59
p0 1.174e+04 ± 7517
pull
Entries 60
Mean 267.7
Std Dev 235.8

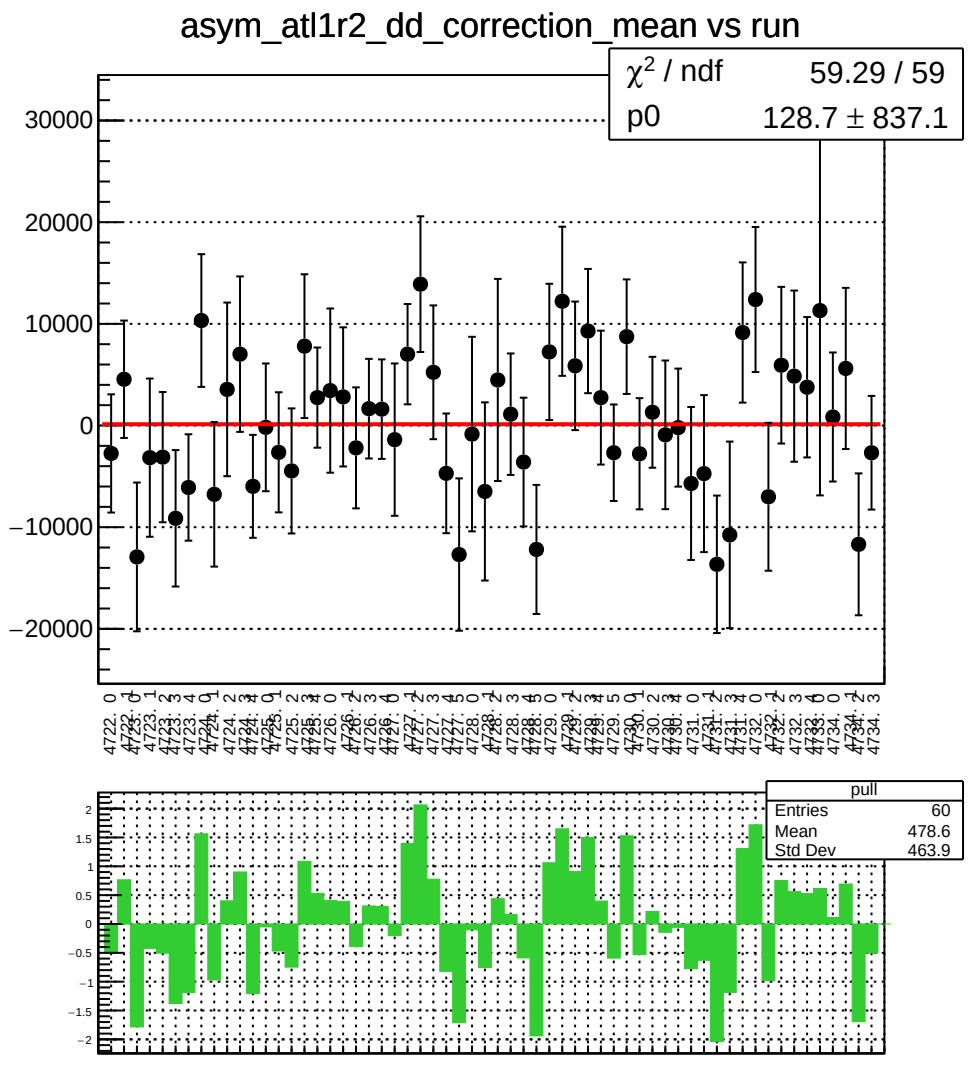

pull1D
Entries 60
Mean −0.01005
Std Dev 1.029

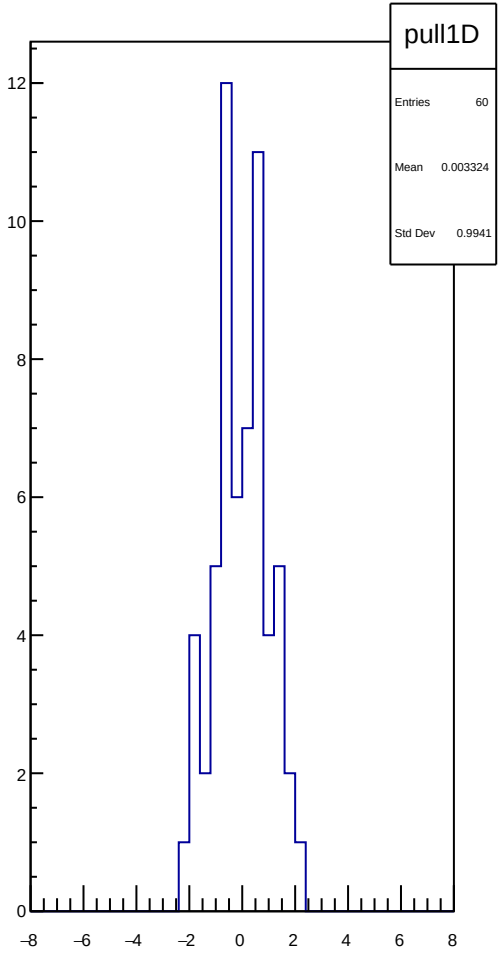

asym_atl1r2_avg_rms vs run
χ² / ndf 66.12 / 59
p0 5681 ± 5.315
5850
5800
5750
5700
5650
5600
5550
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

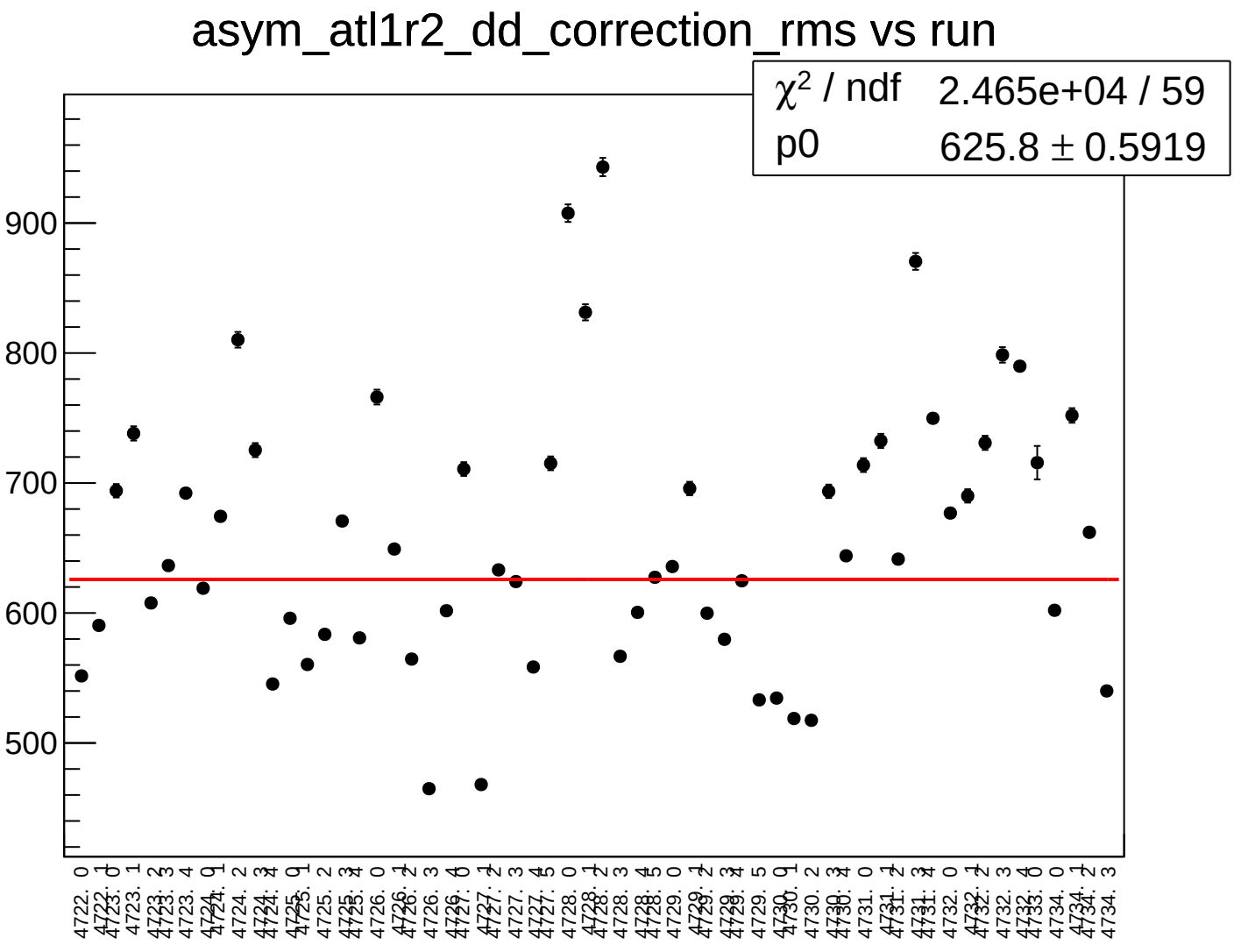

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 68.16 / 59
p0 2750 ± 7507
×10³
pull
Entries 60
Mean 454.2
Std Dev 423.7

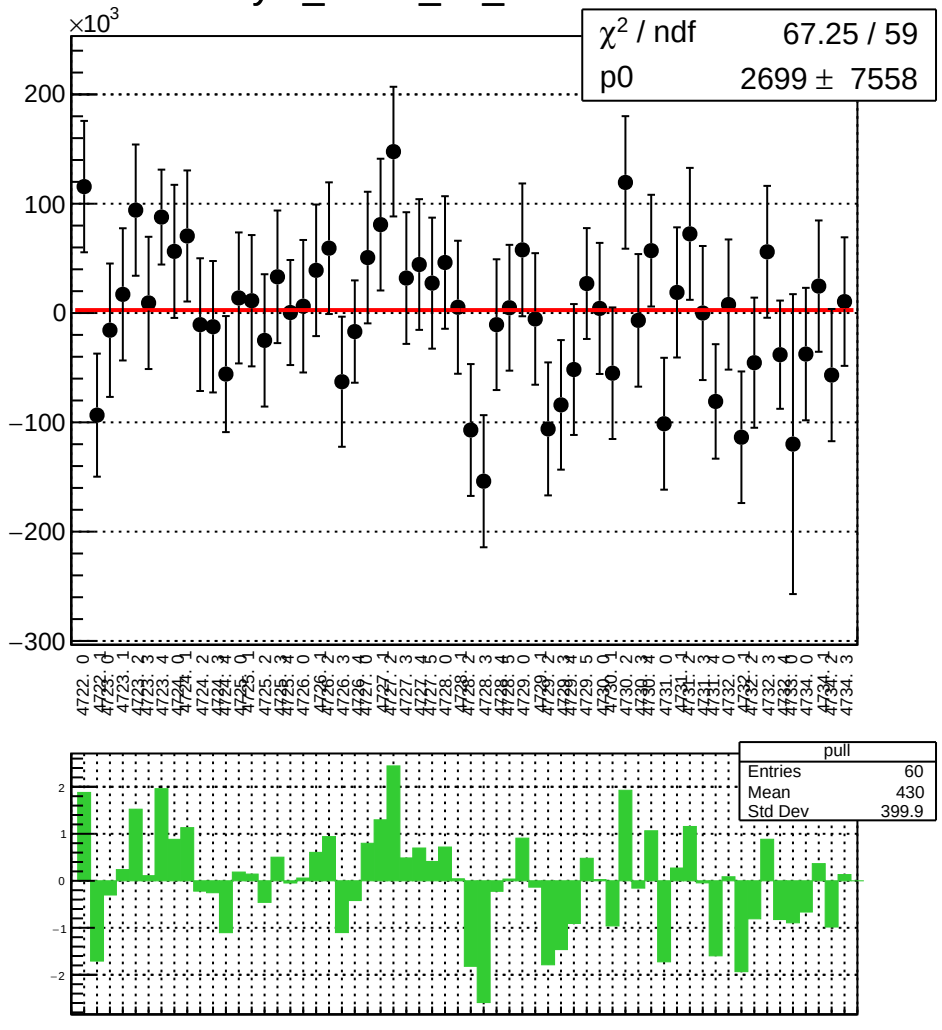

pull1D
Entries 60
Mean −0.0113
Std Dev 1.066

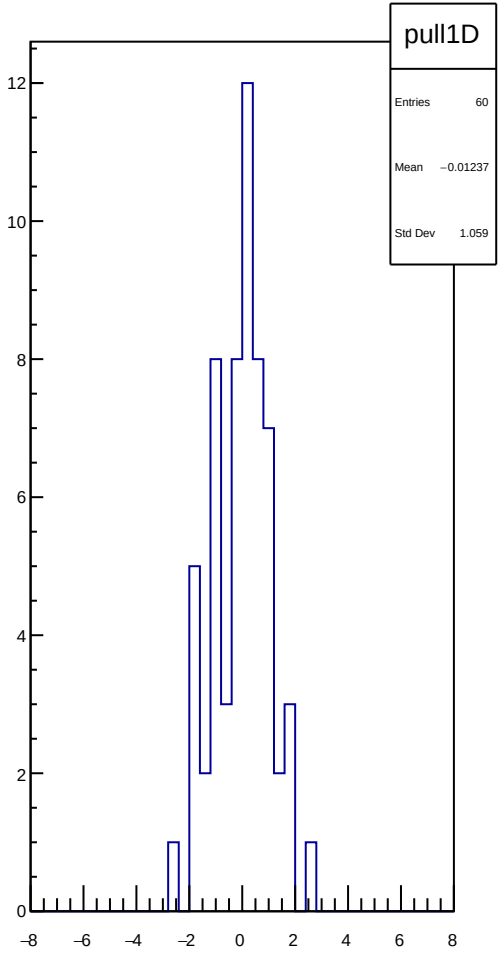

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 66.66 / 59
p0 5674 ± 5.308
5800
5700
5600
5500
5400
5300
4722. 0
4722. 1
4722. 2
4722. 3
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

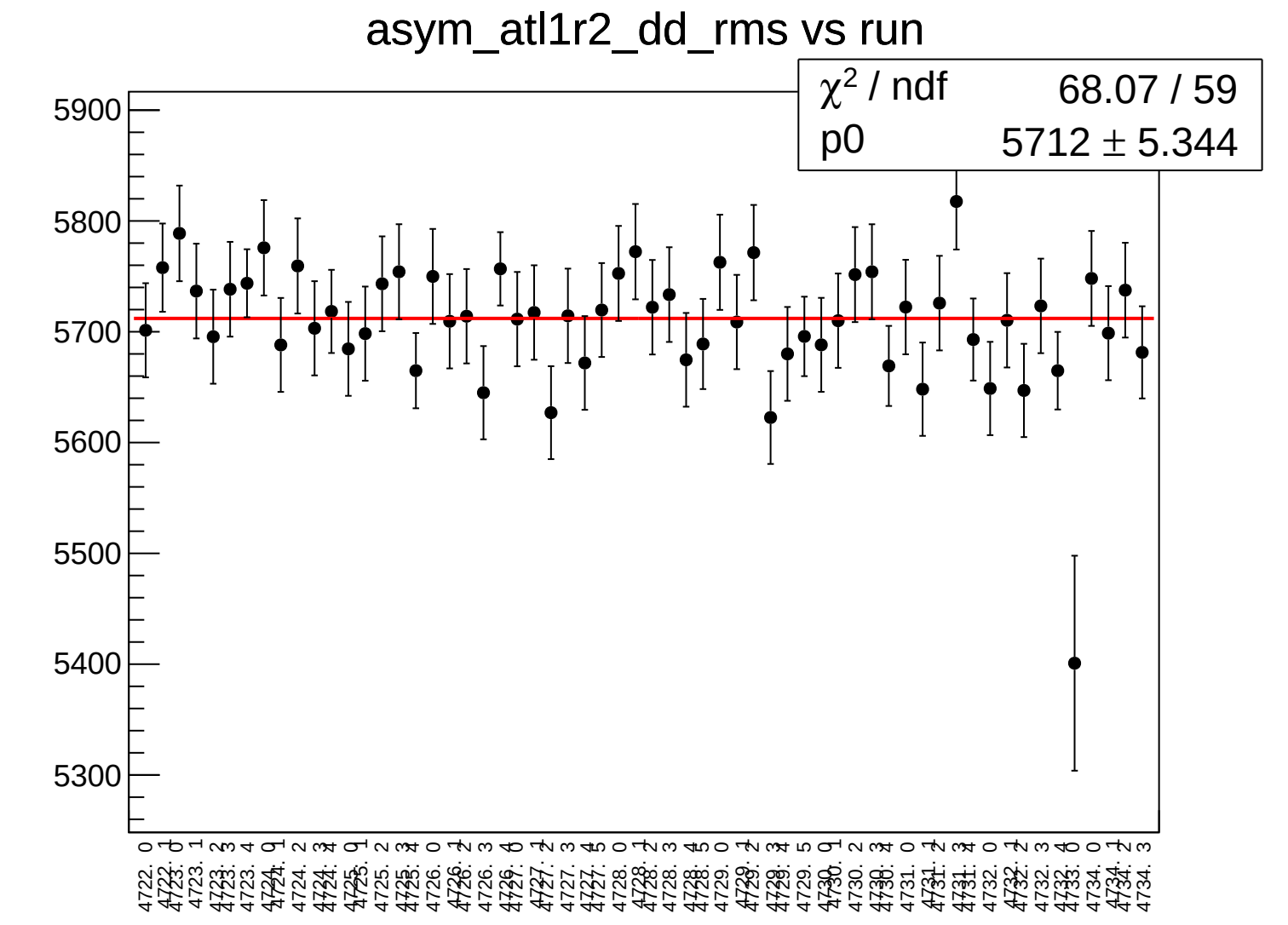

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 59.29 / 59
p0 128.7 ± 837.1
30000
20000
10000
0
−10000
−20000
pull
Entries 60
Mean 478.6
Std Dev 463.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

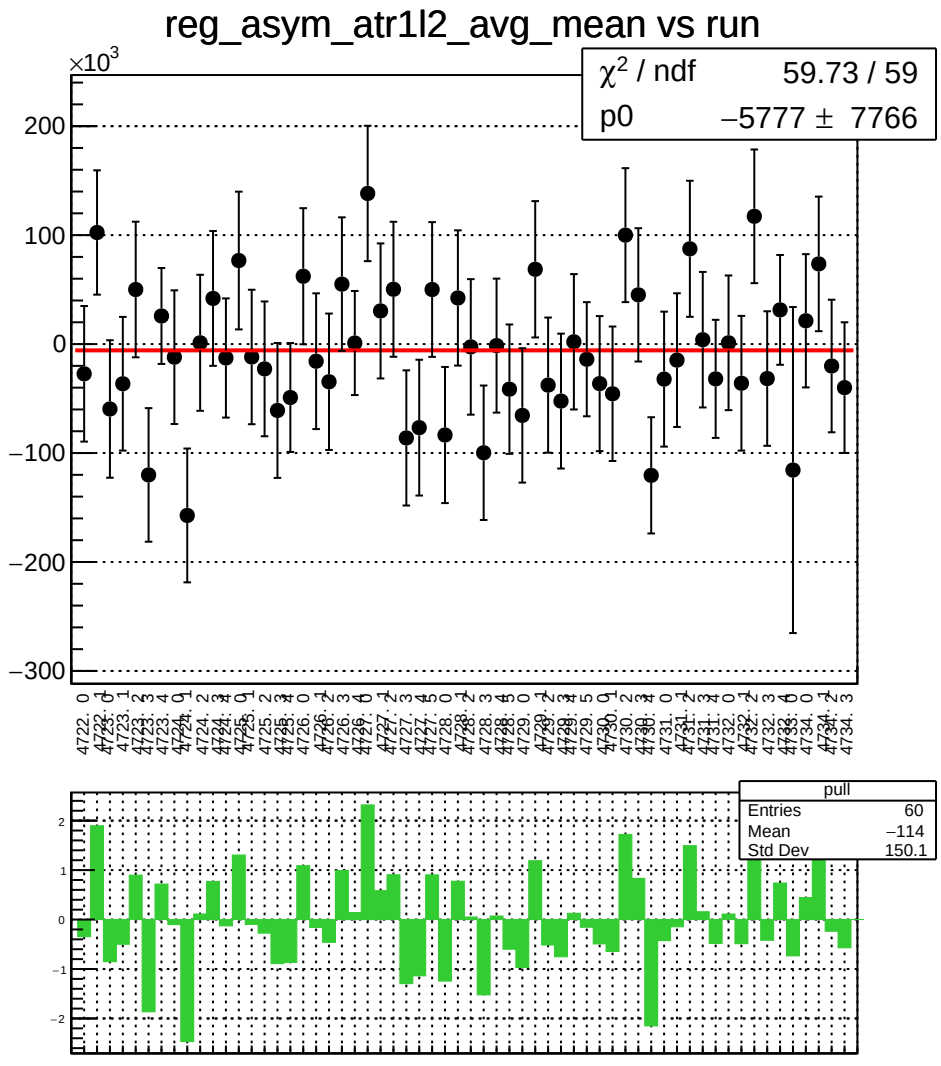

pull1D
Entries 60
Mean 0.003324
Std Dev 0.9941
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

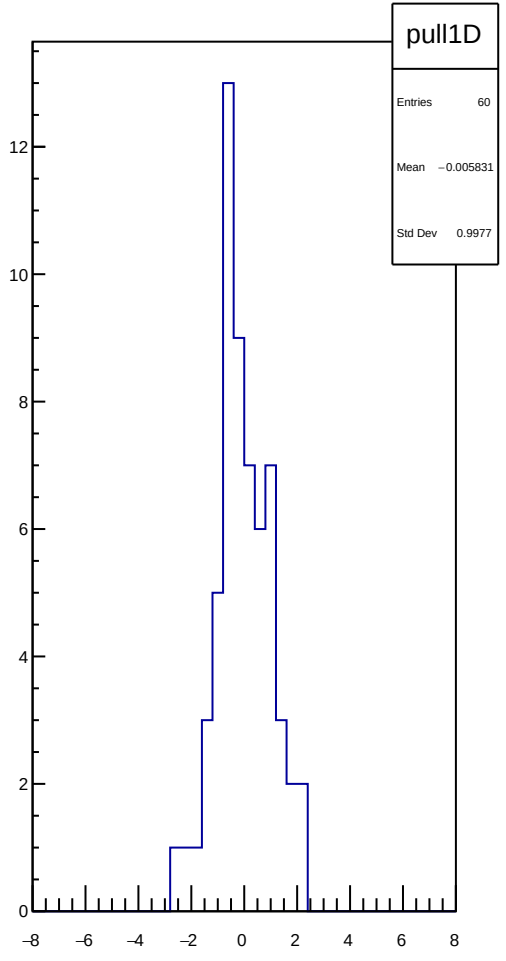

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 2.465e+04 / 59
p0 625.8 ± 0.5919
900
800
700
600
500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

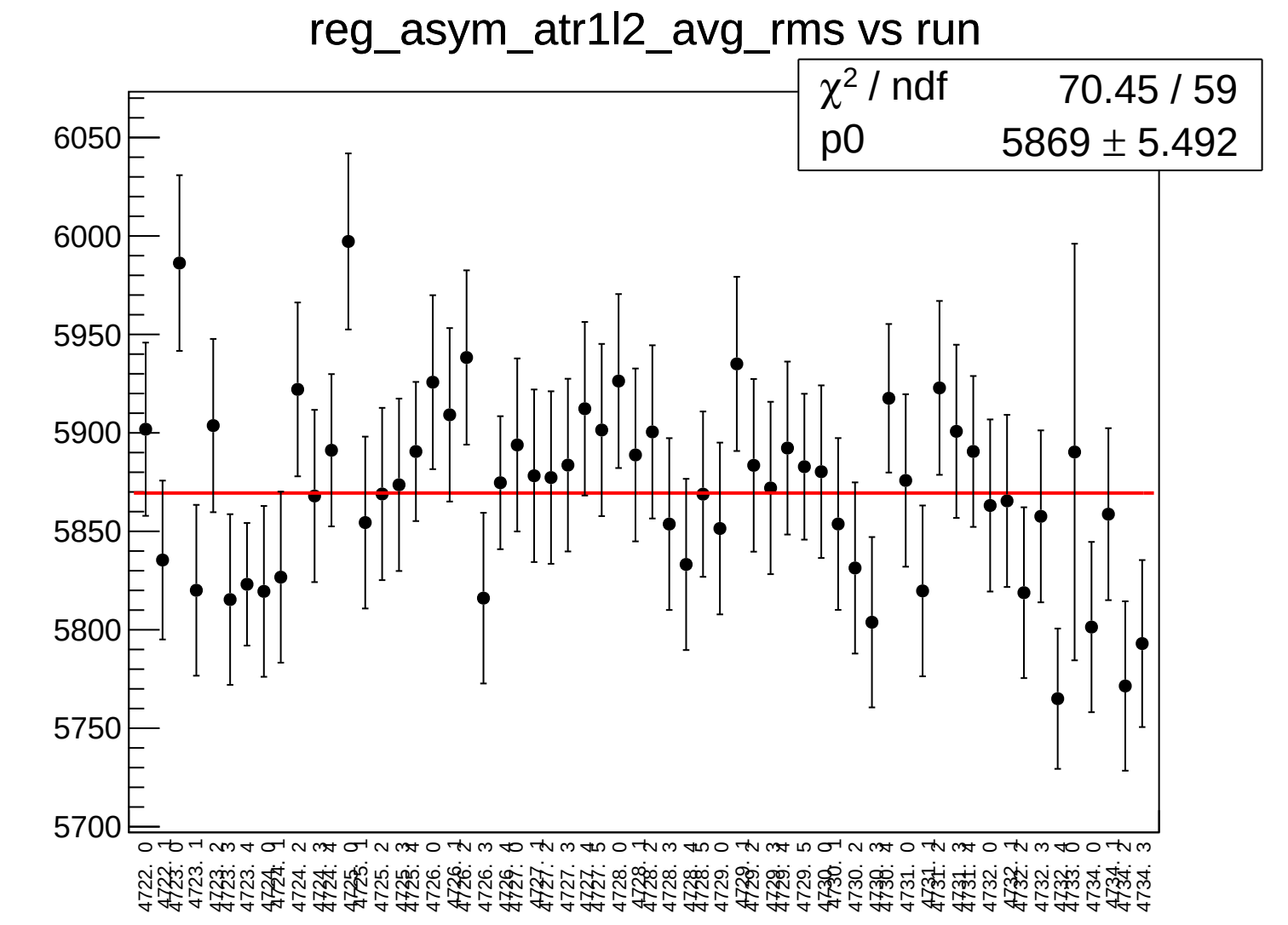

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 67.25 / 59
p0 2699 ± 7558
pull
Entries 60
Mean 430
Std Dev 399.9

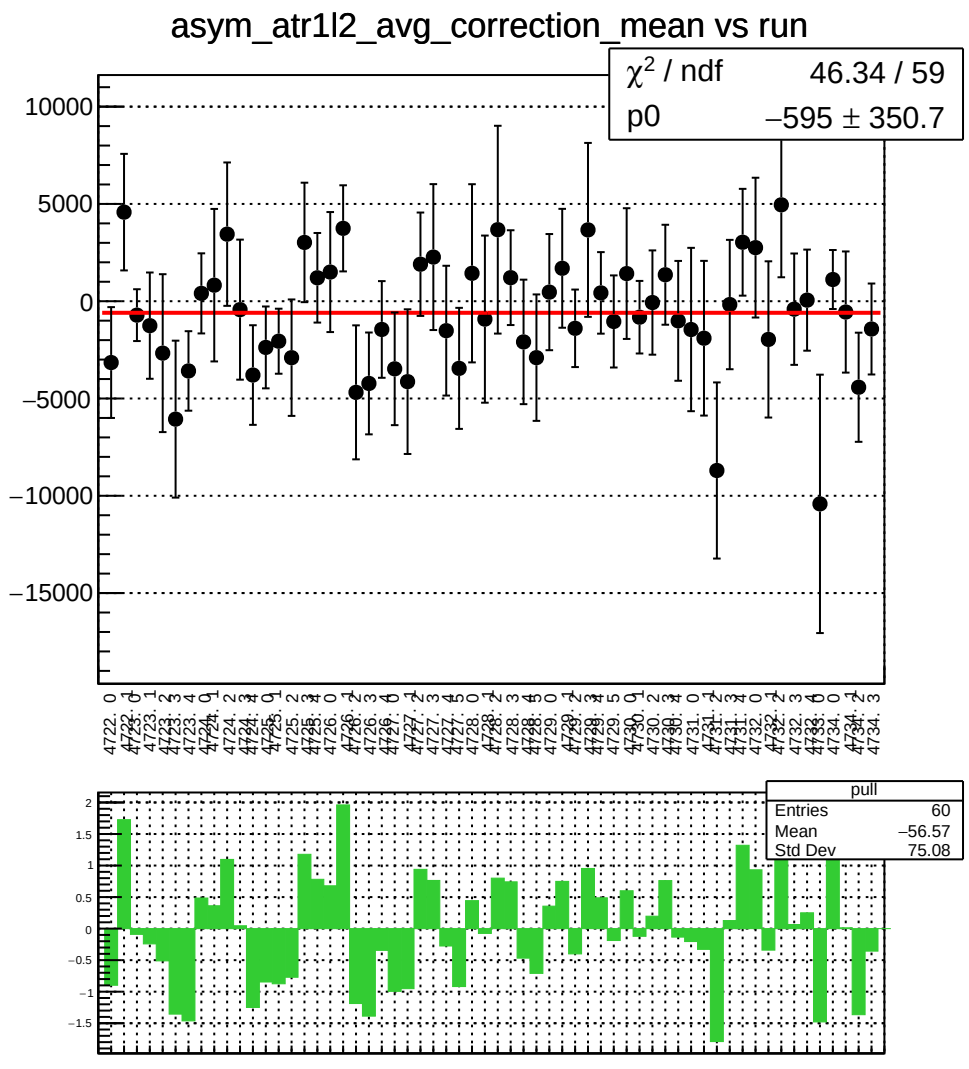

pull1D
Entries 60
Mean −0.01237
Std Dev 1.059

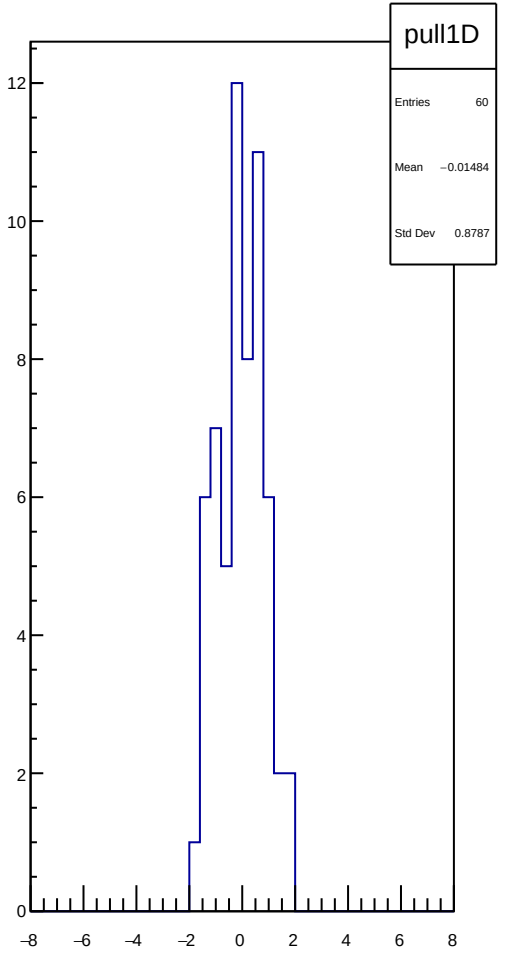

asym_atl1r2_dd_rms vs run
χ² / ndf 68.07 / 59
p0 5712 ± 5.344
5900
5800
5700
5600
5500
5400
5300

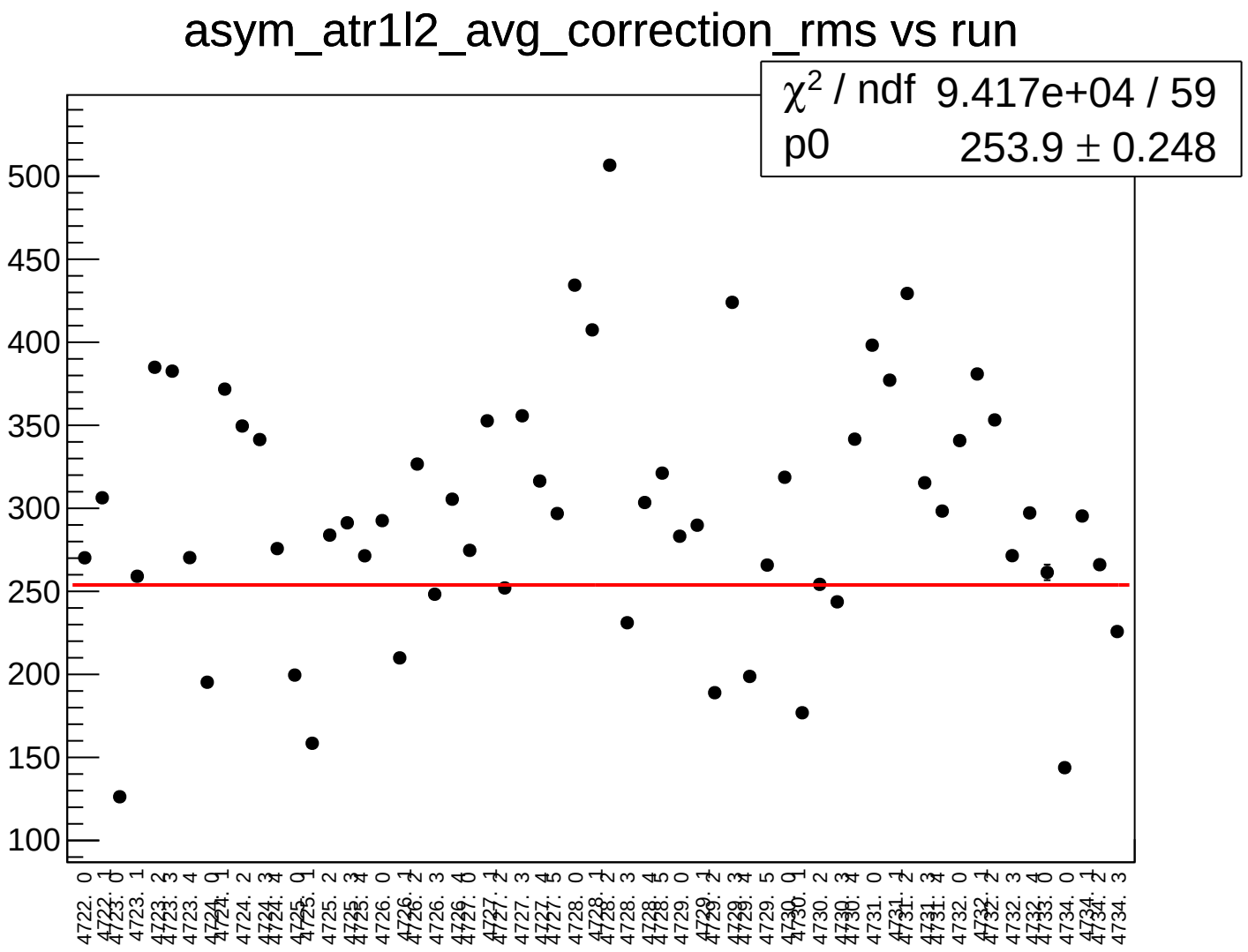

reg_asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 59.73 / 59
p0 −5777 ± 7766
200
100
0
−100
−200
−300
pull
Entries 60
Mean −114
Std Dev 150.1
2
1
0
−1
−2

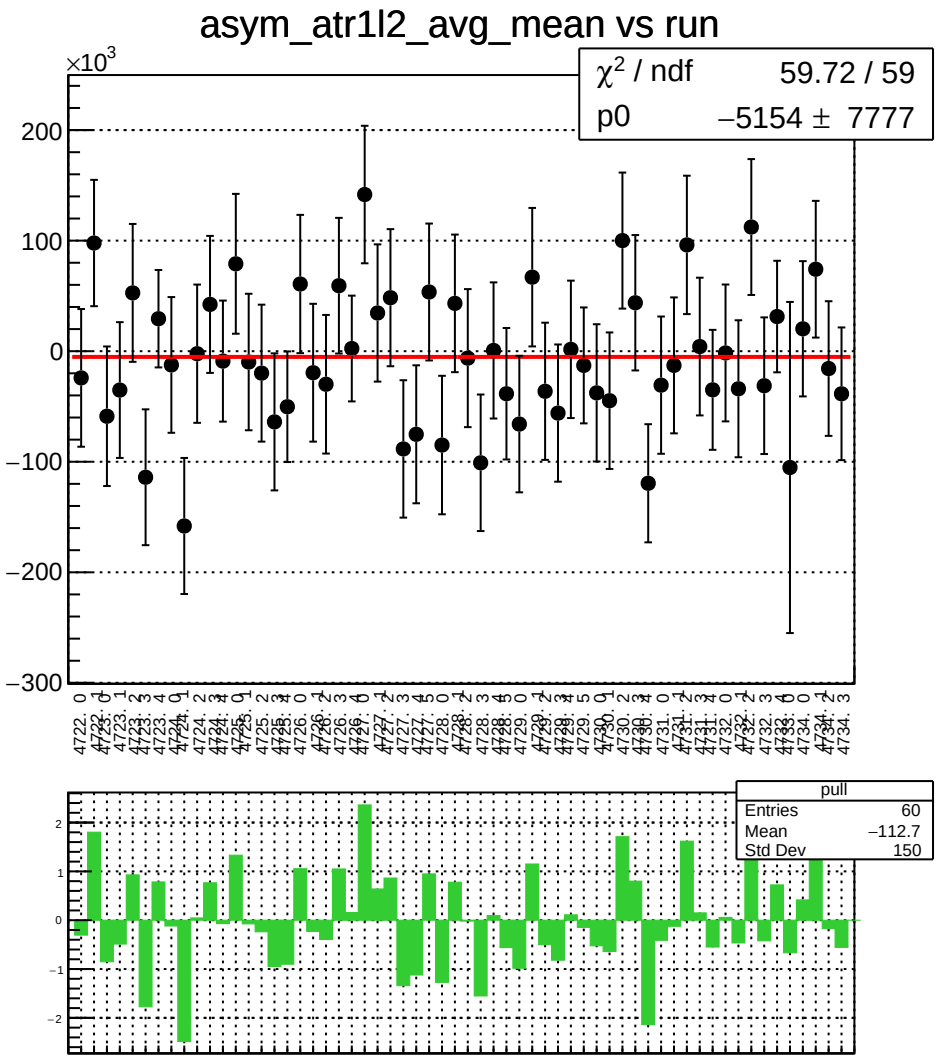

pull1D
Entries 60
Mean −0.005831
Std Dev 0.9977
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

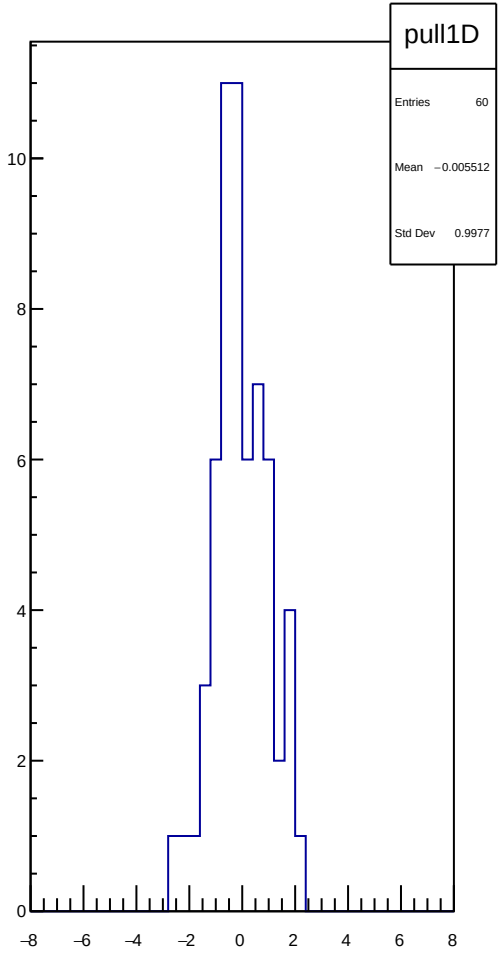

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 70.45 / 59
p0 5869 ± 5.492
6050
6000
5950
5900
5850
5800
5750
5700

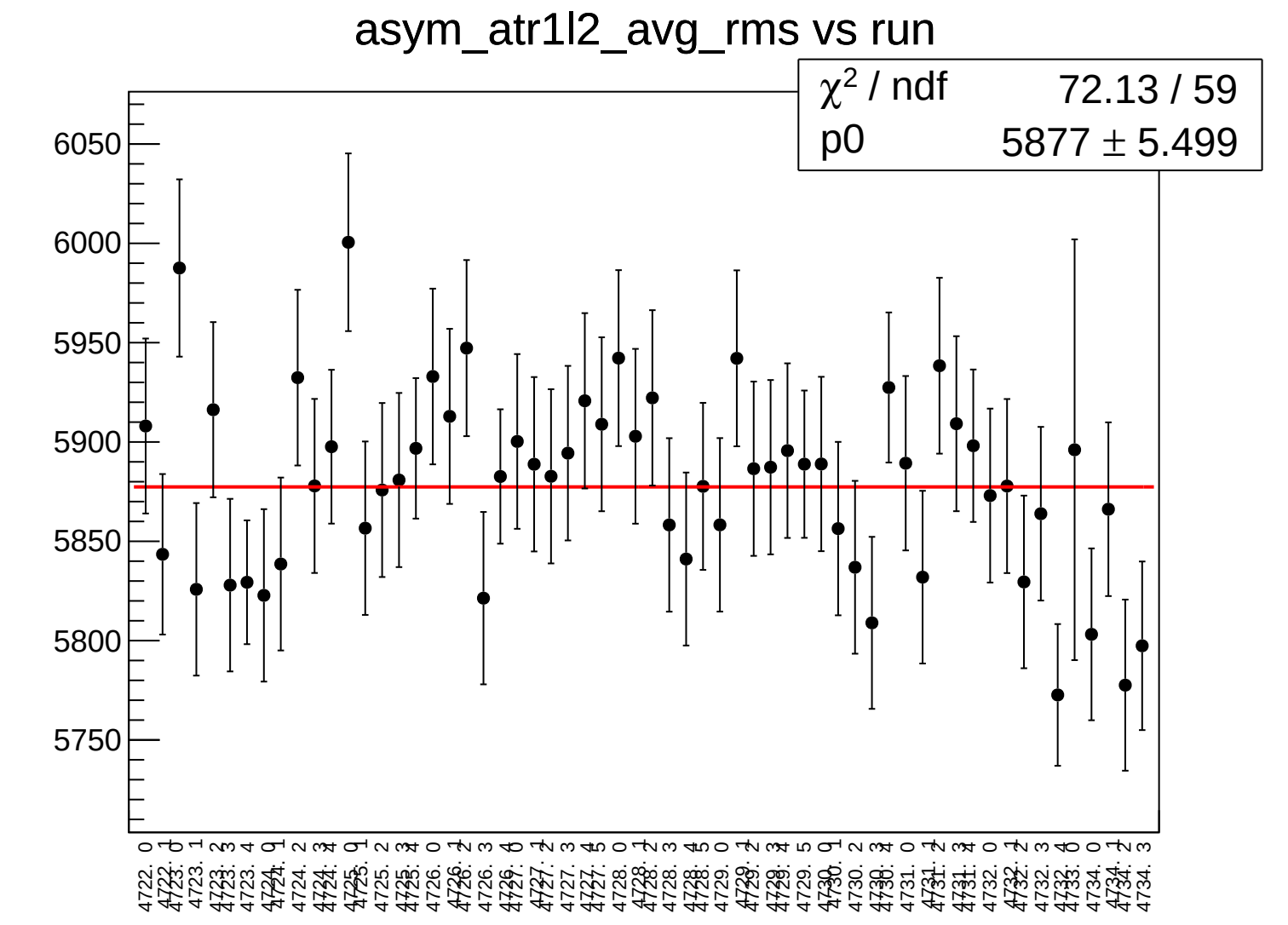

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 46.34 / 59
p0 −595 ± 350.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 60
Mean −56.57
Std Dev 75.08
2
1.5
1
0.5
0
−0.5
−1
−1.5

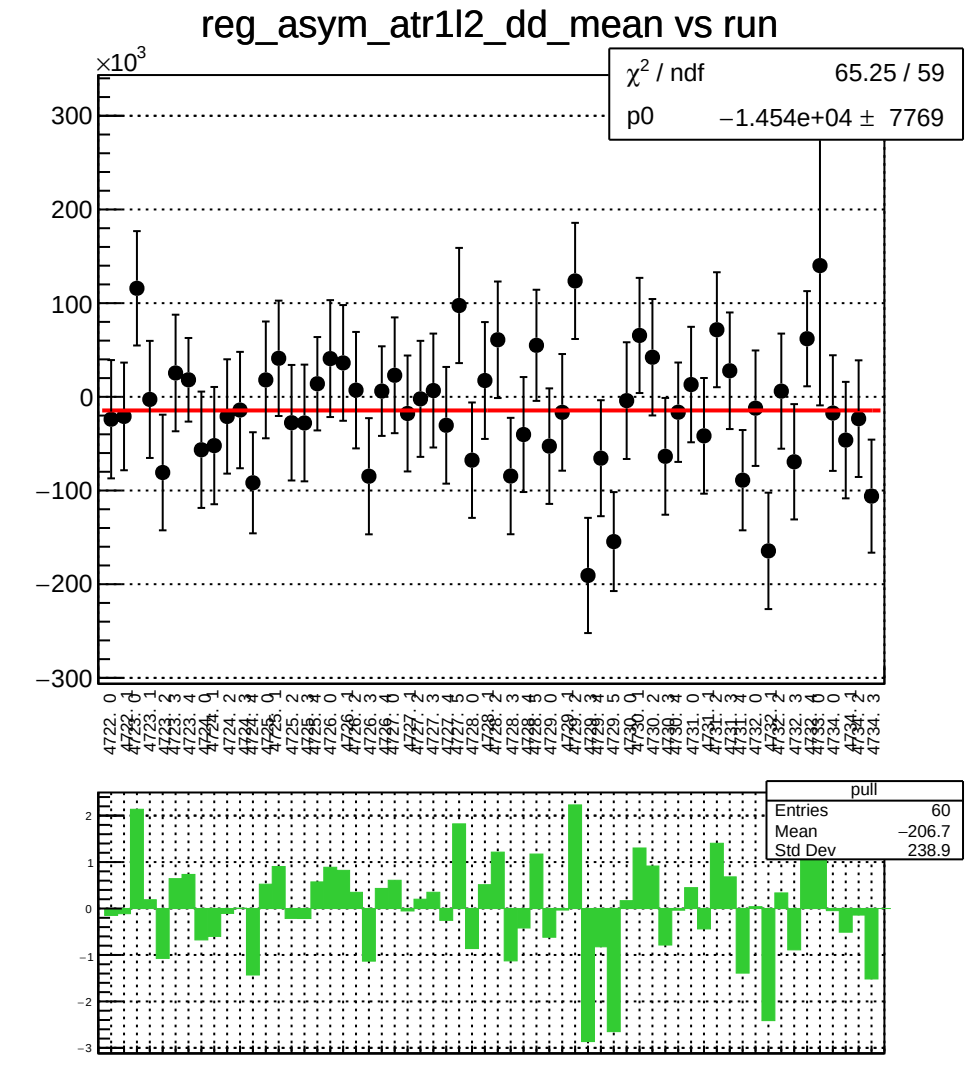

pull1D
Entries 60
Mean −0.01484
Std Dev 0.8787
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

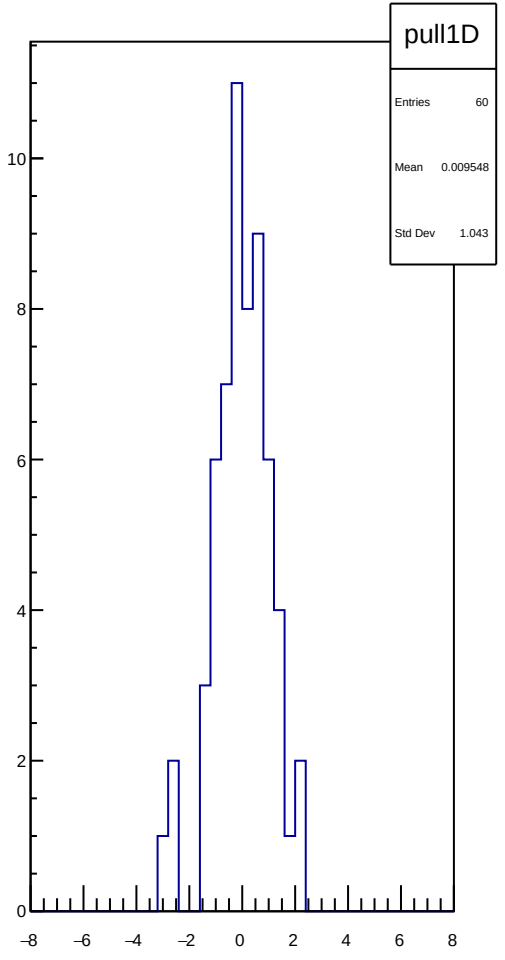

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 9.417e+04 / 59
p0 253.9 ± 0.248
500
450
400
350
300
250
200
150
100
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

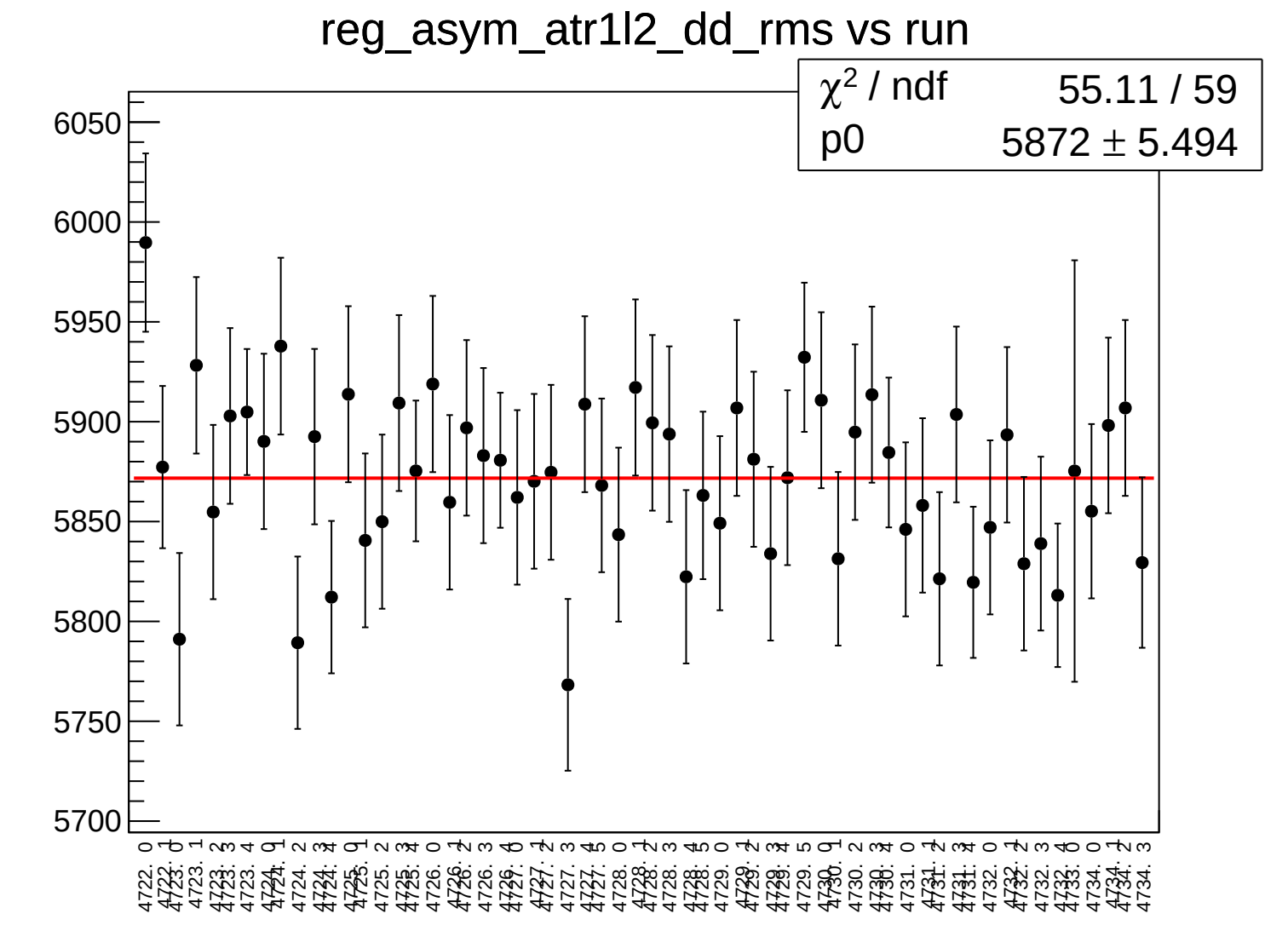

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 59.72 / 59
p0 −5154 ± 7777
200
100
0
−100
−200
−300
pull
Entries 60
Mean −112.7
Std Dev 150
2
1
0
−1
−2

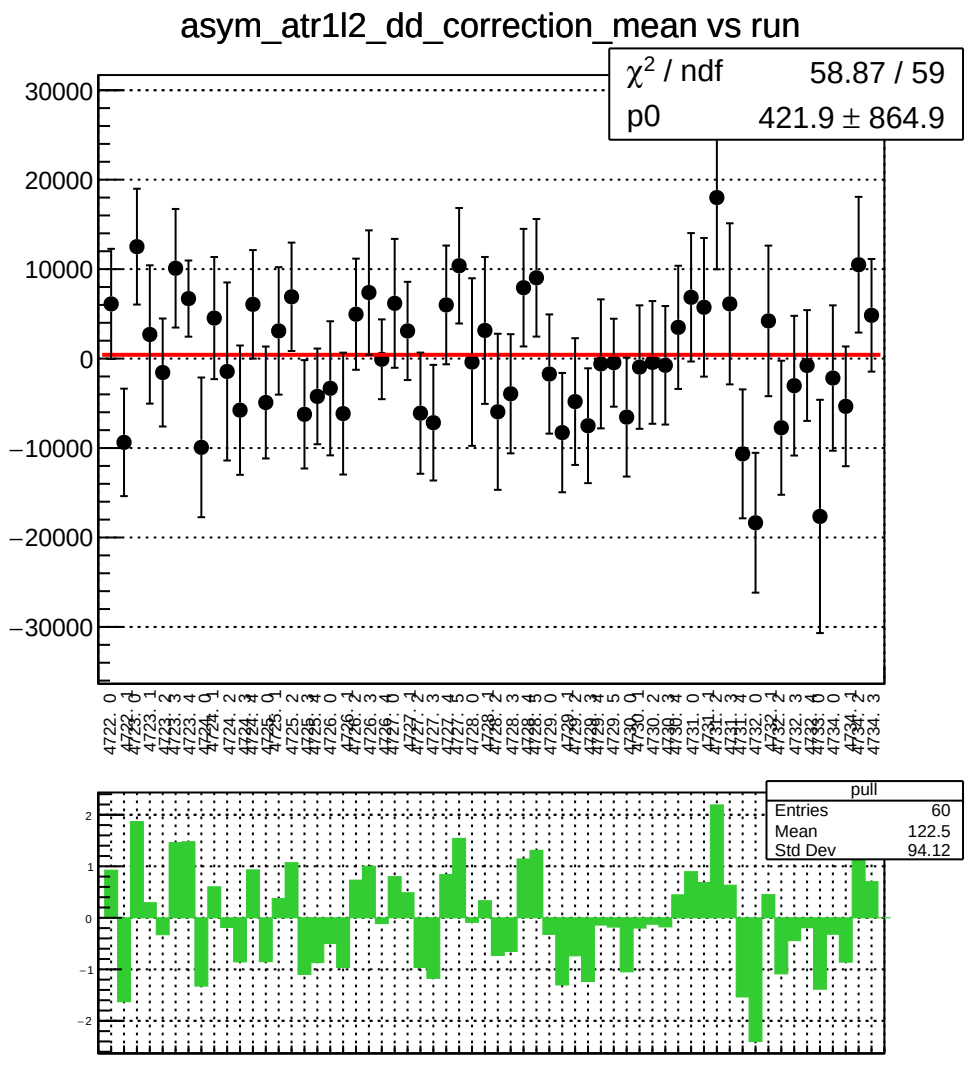

pull1D
Entries 60
Mean −0.005512
Std Dev 0.9977
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

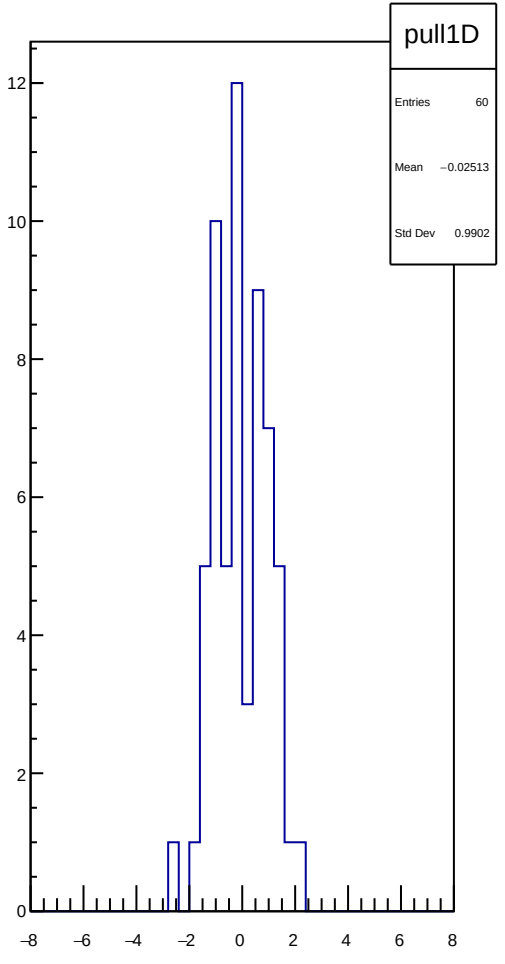

asym_atr1l2_avg_rms vs run
χ² / ndf 72.13 / 59
p0 5877 ± 5.499
6050
6000
5950
5900
5850
5800
5750
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4726. 5
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

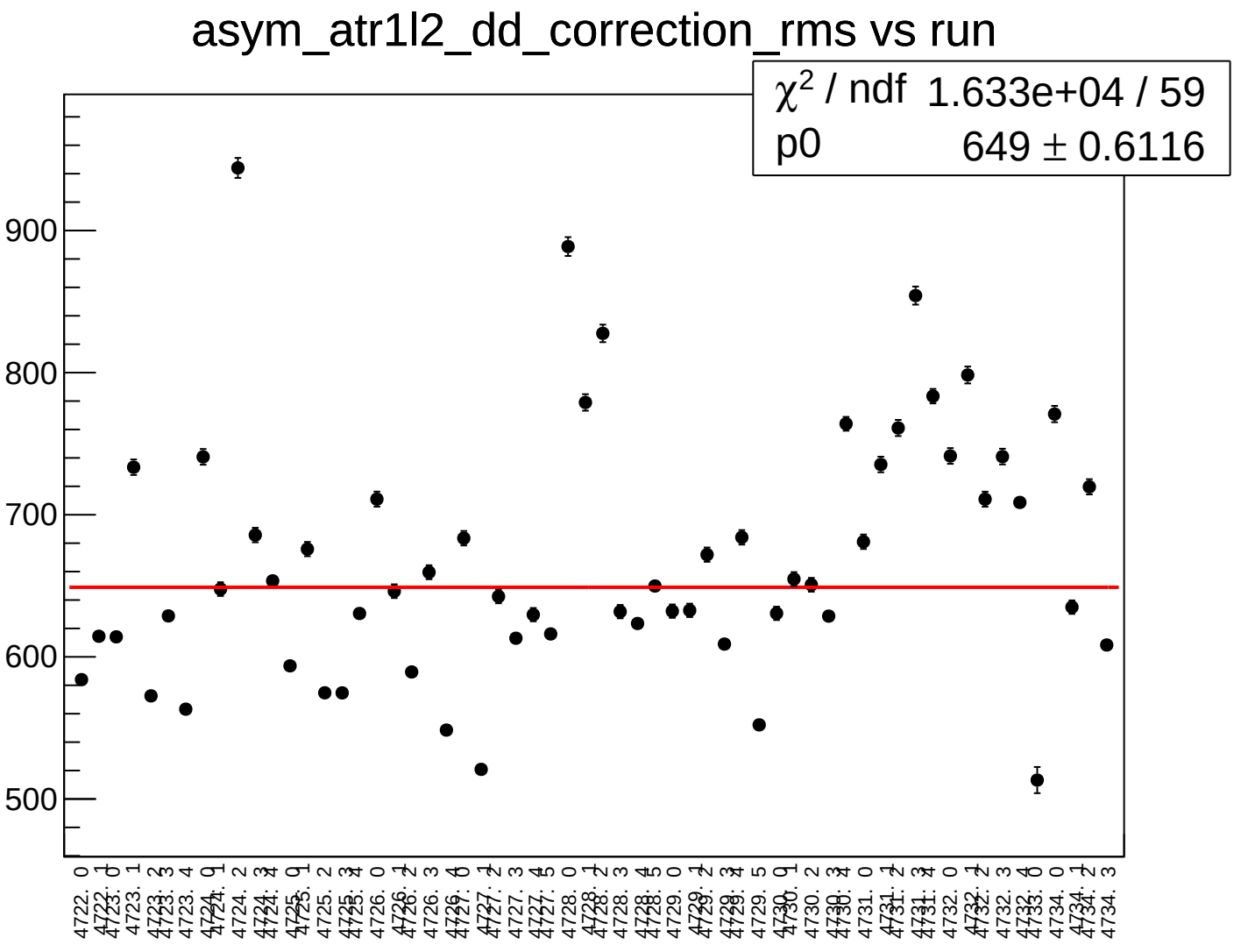

reg_asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 65.25 / 59
p0 −1.454e+04 ± 7769
pull
Entries 60
Mean −206.7
Std Dev 238.9

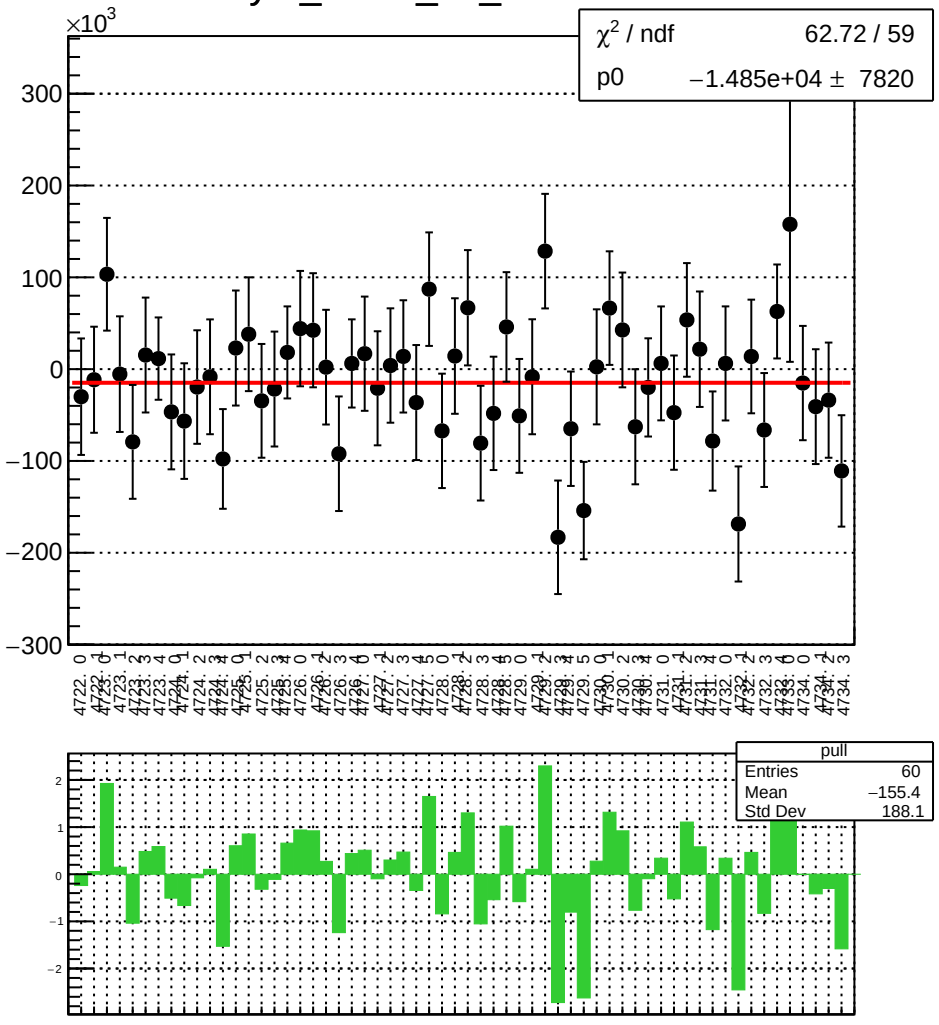

pull1D
Entries 60
Mean 0.009548
Std Dev 1.043

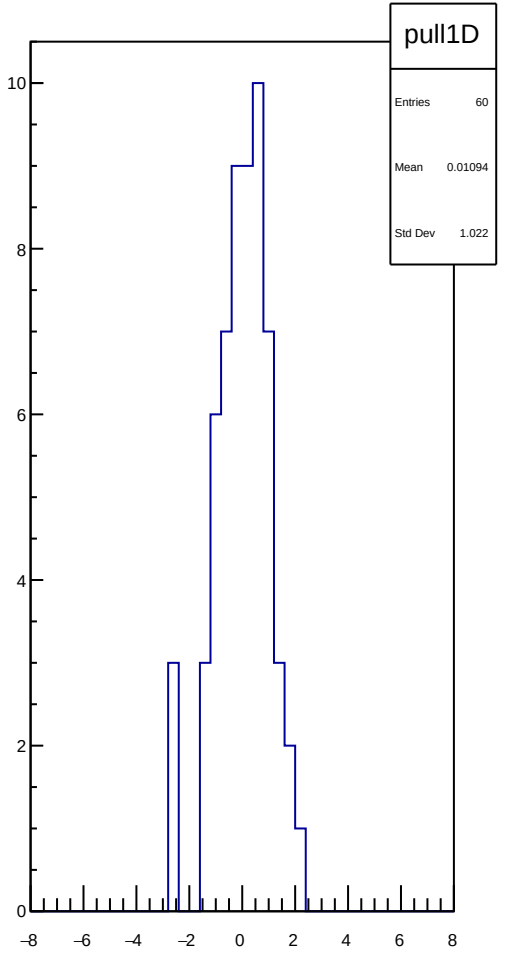

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 55.11 / 59
p0 5872 ± 5.494
6050
6000
5950
5900
5850
5800
5750
5700
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

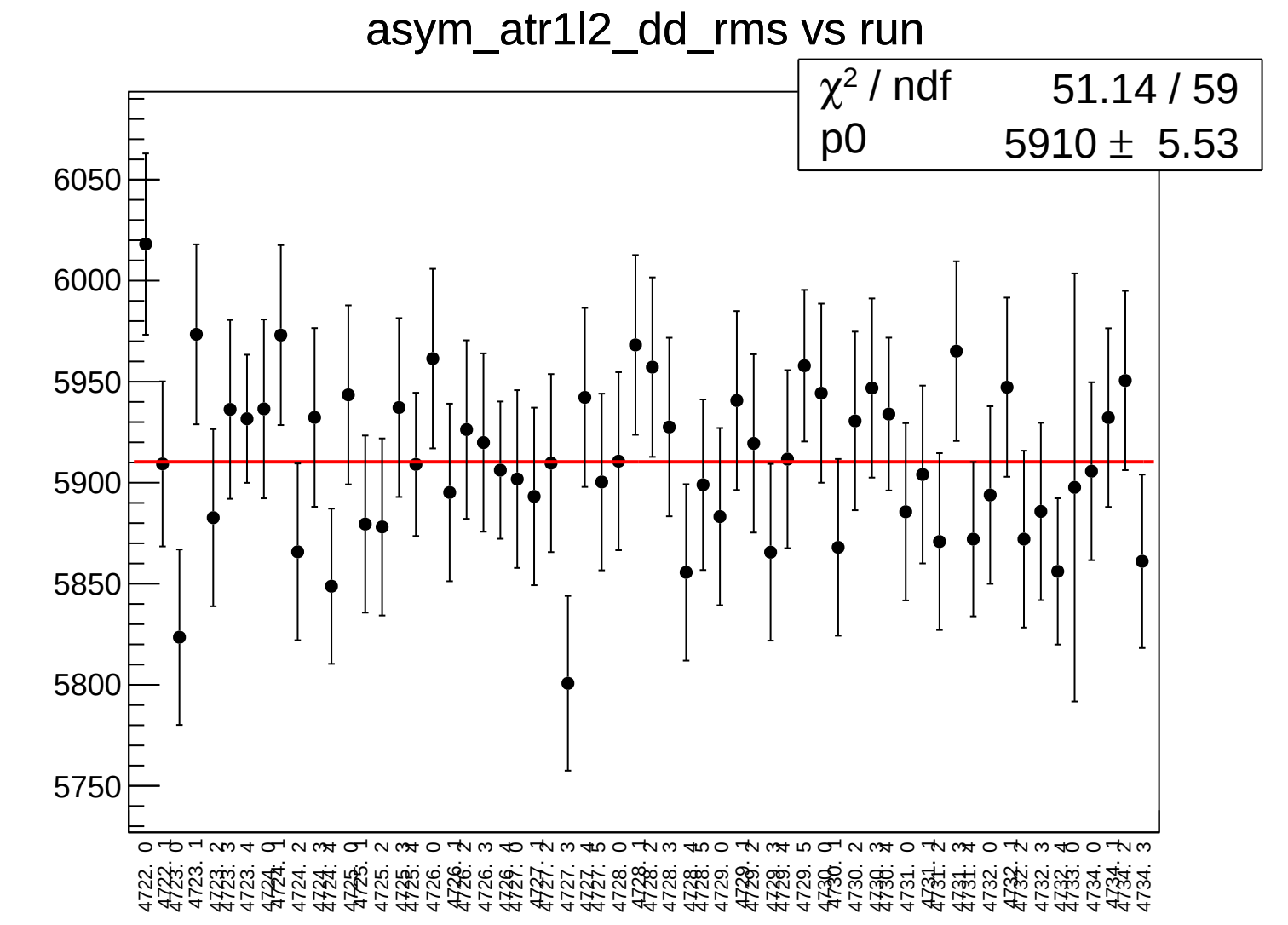

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 58.87 / 59
p0 421.9 ± 864.9
pull
Entries 60
Mean 122.5
Std Dev 94.12

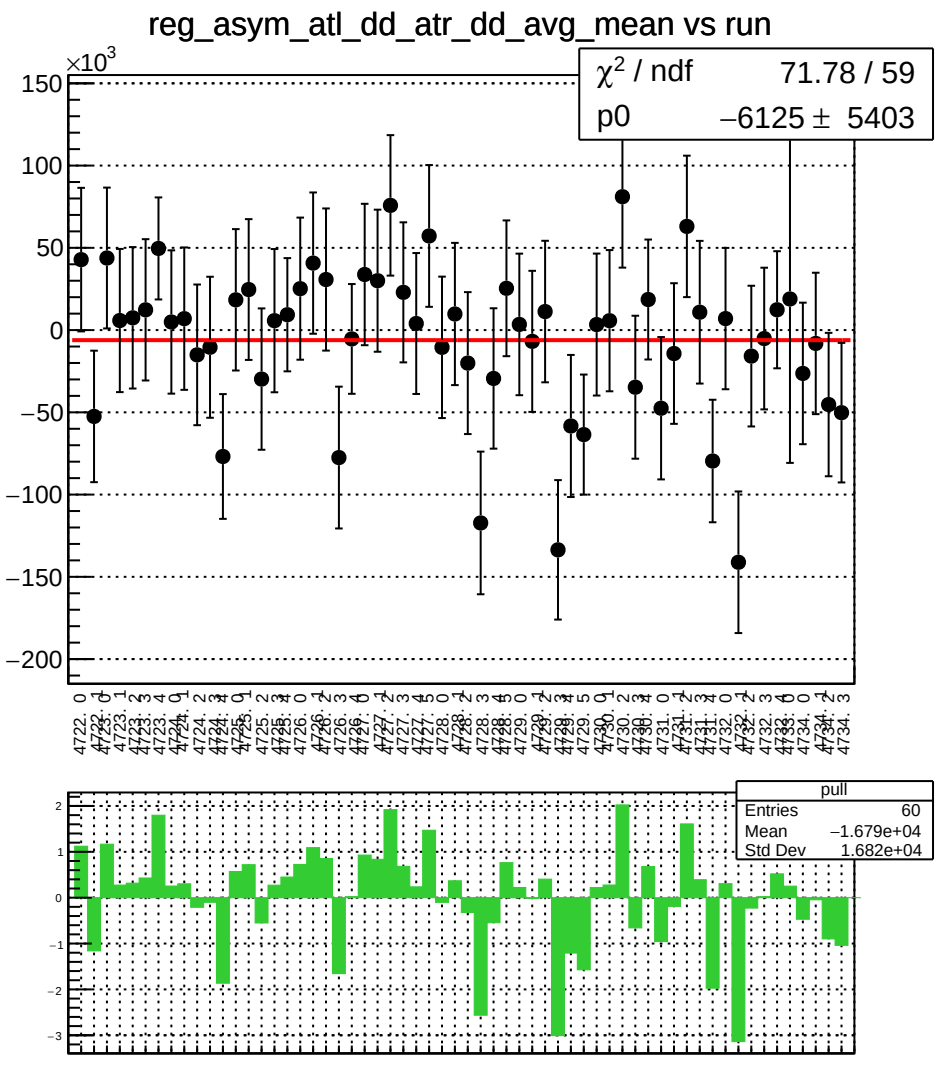

pull1D
Entries 60
Mean −0.02513
Std Dev 0.9902

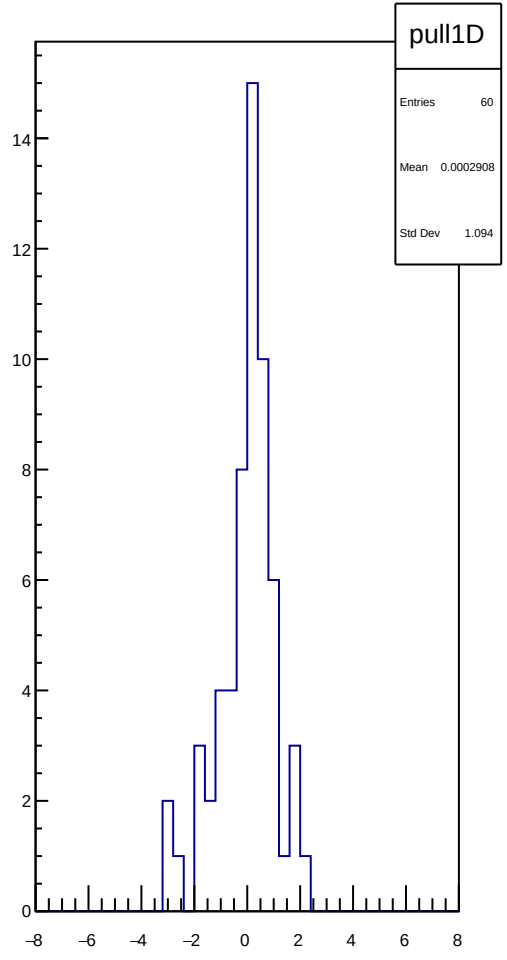

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 1.633e+04 / 59
p0 649 ± 0.6116
900
800
700
600
500

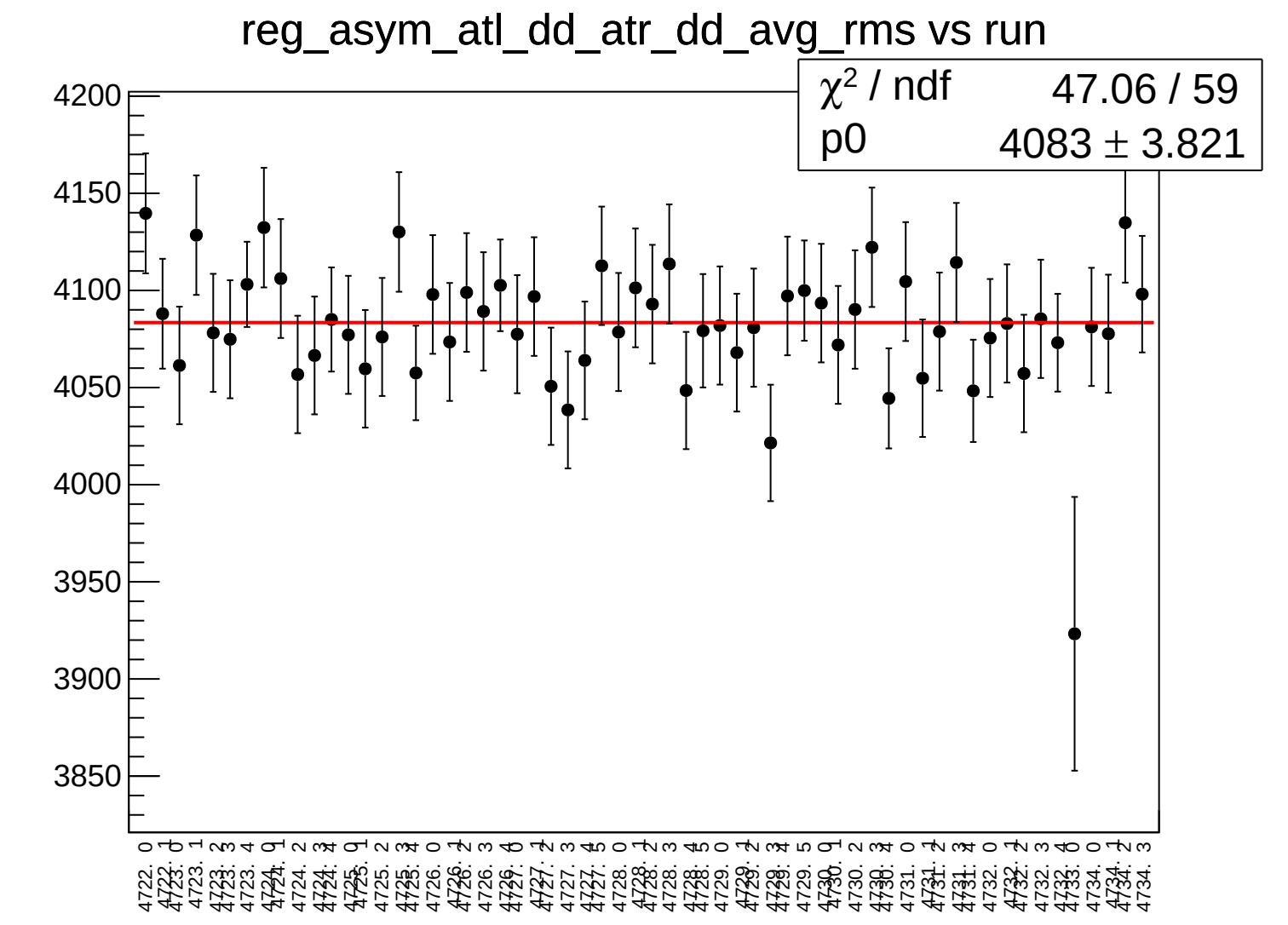

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 62.72 / 59
p0 −1.485e+04 ± 7820
pull
Entries 60
Mean −155.4
Std Dev 188.1

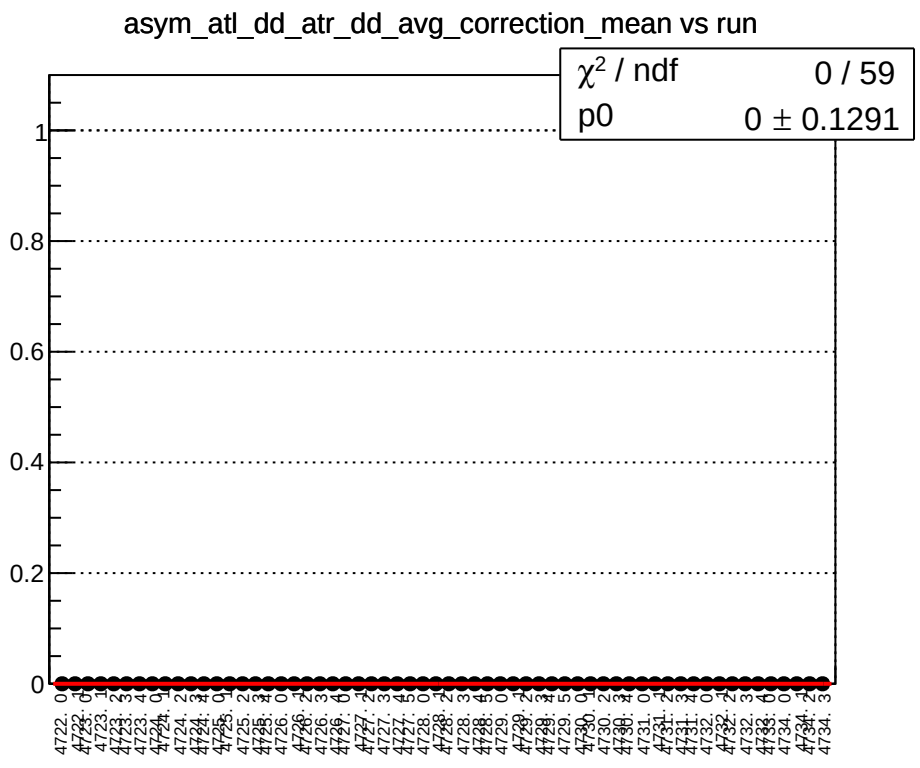

pull1D
Entries 60
Mean 0.01094
Std Dev 1.022

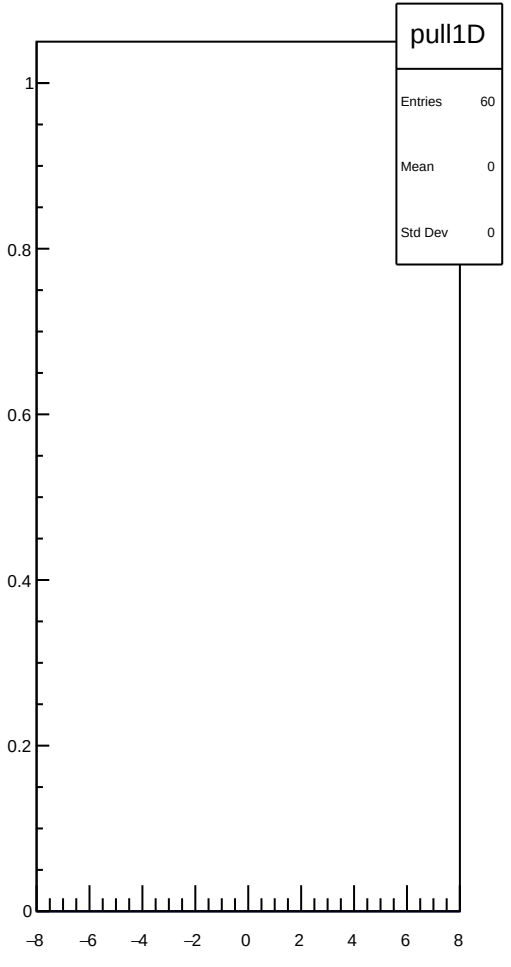

asym_atr1l2_dd_rms vs run
χ² / ndf 51.14 / 59
p0 5910 ± 5.53
6050
6000
5950
5900
5850
5800
5750
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

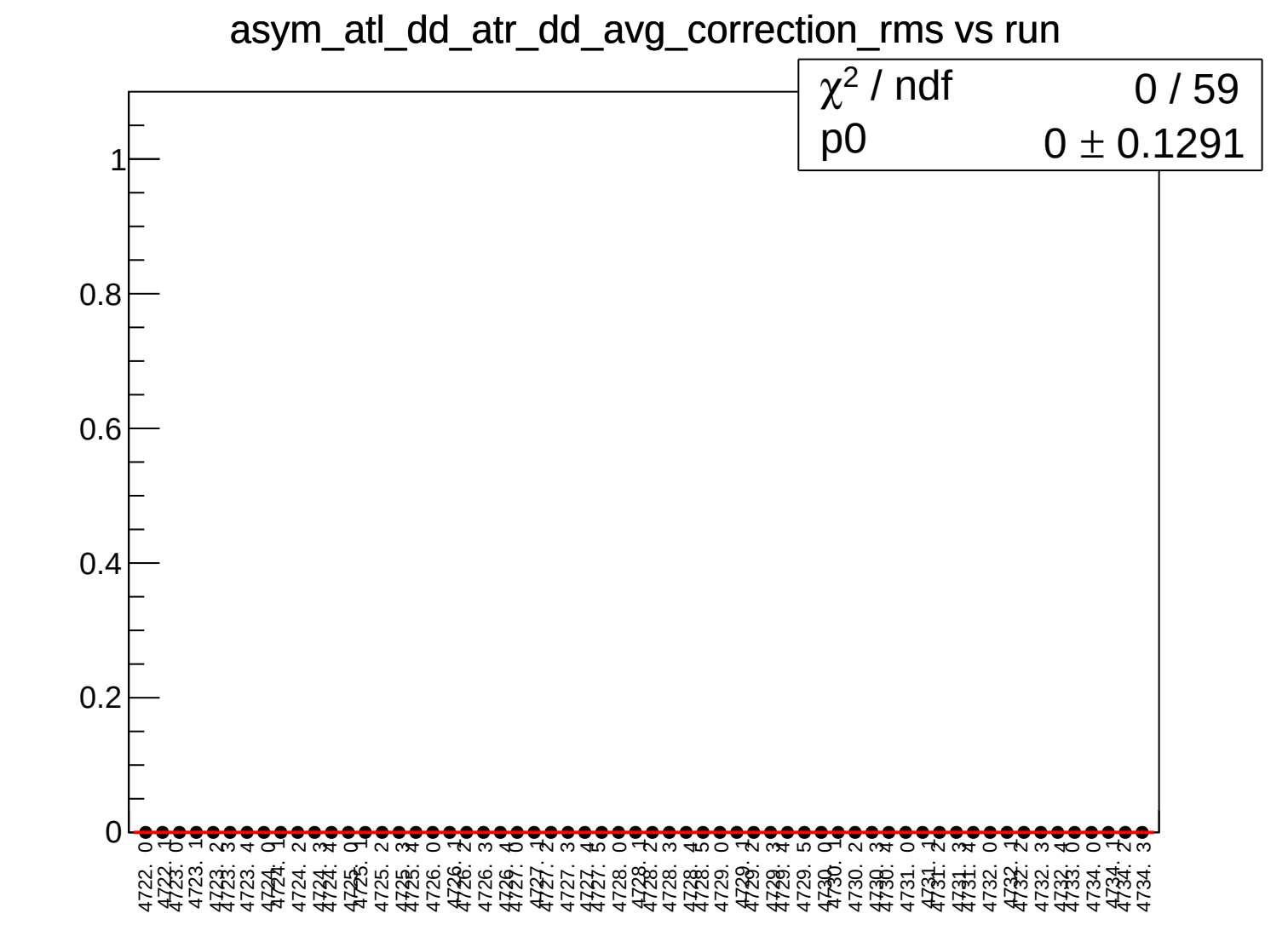

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 71.78 / 59
p0 −6125 ± 5403
pull
Entries 60
Mean −1.679e+04
Std Dev 1.682e+04

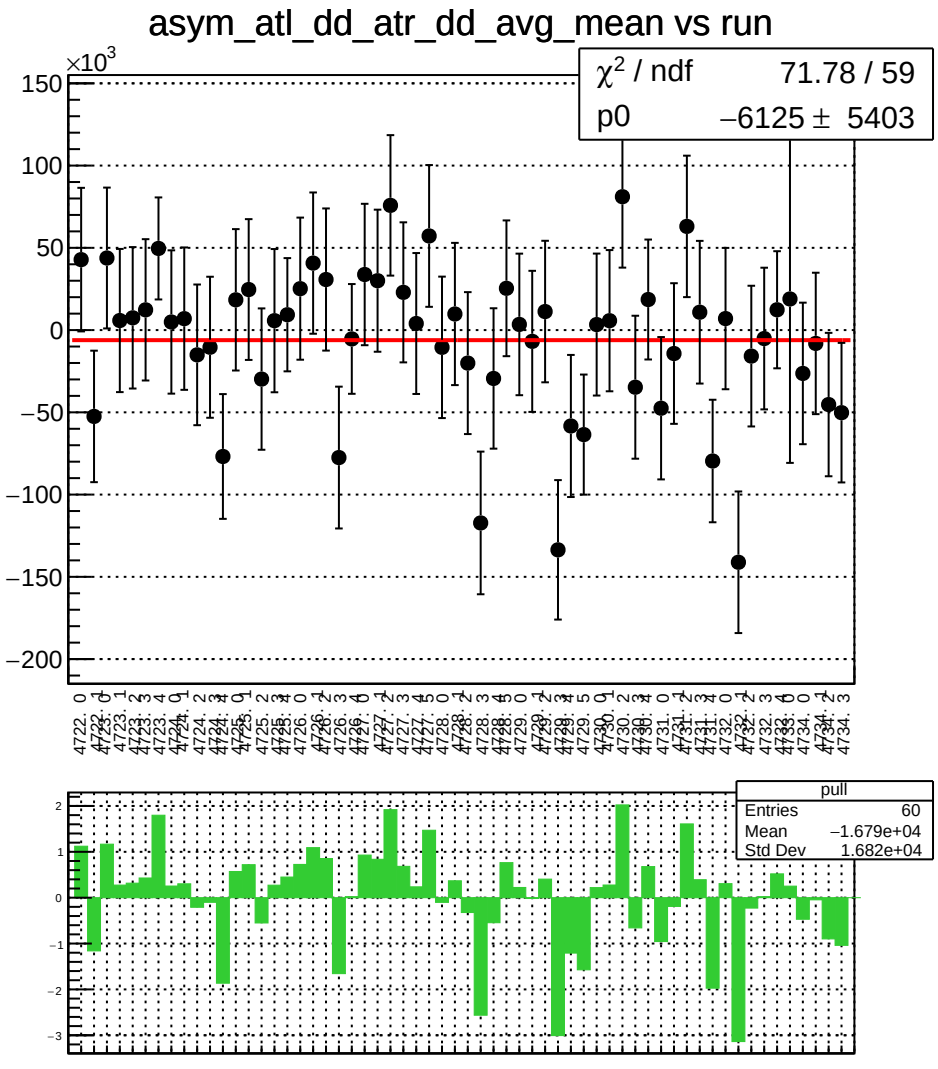

pull1D
Entries 60
Mean 0.0002908
Std Dev 1.094

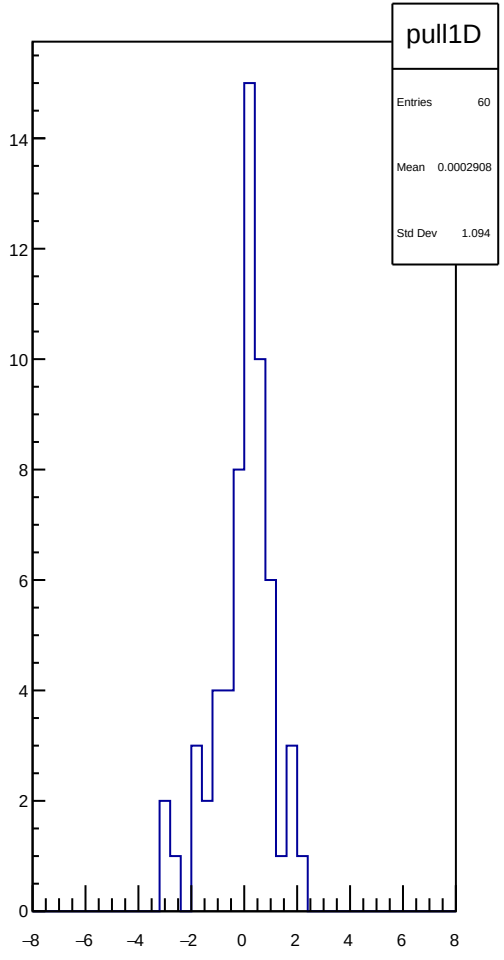

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 47.06 / 59
p0 4083 ± 3.821
4200
4150
4100
4050
4000
3950
3900
3850

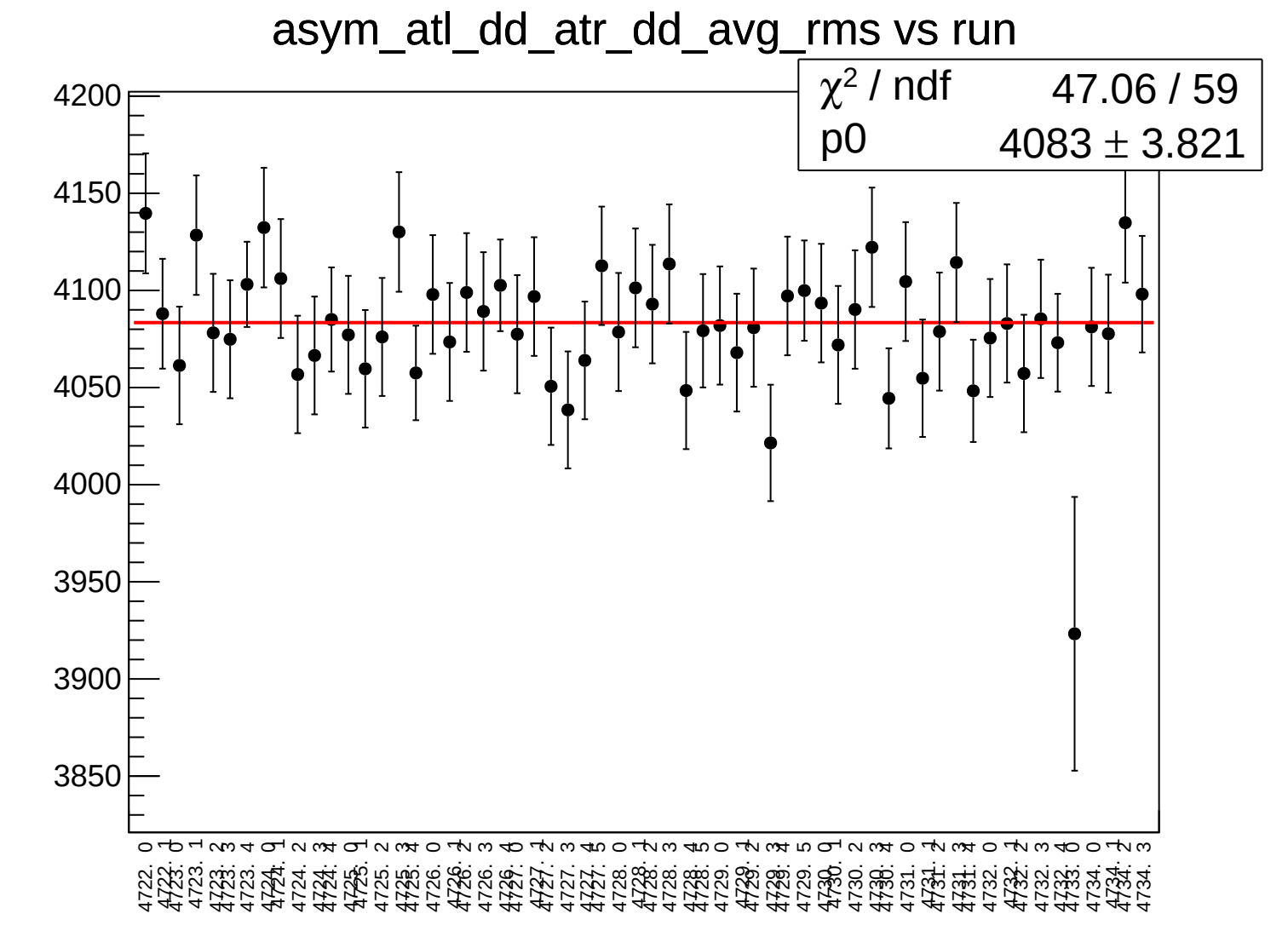

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

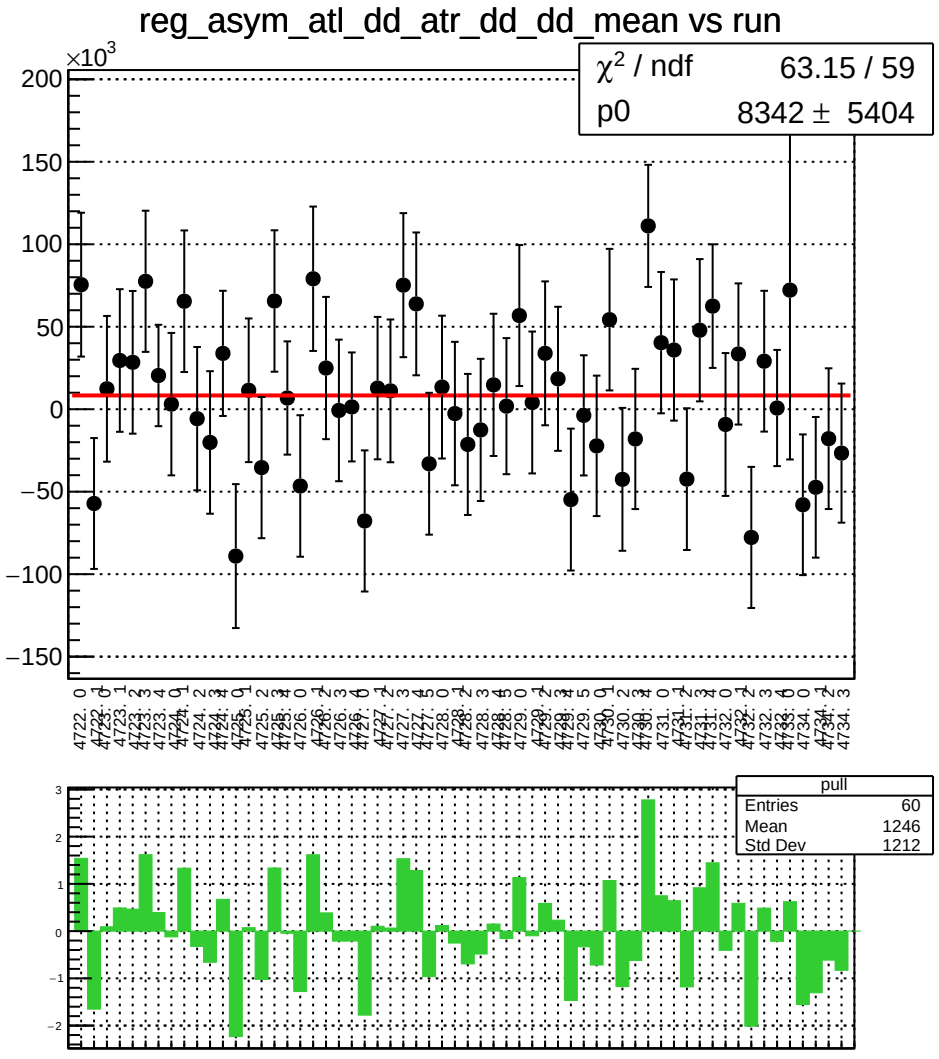

pull1D
Entries 60
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

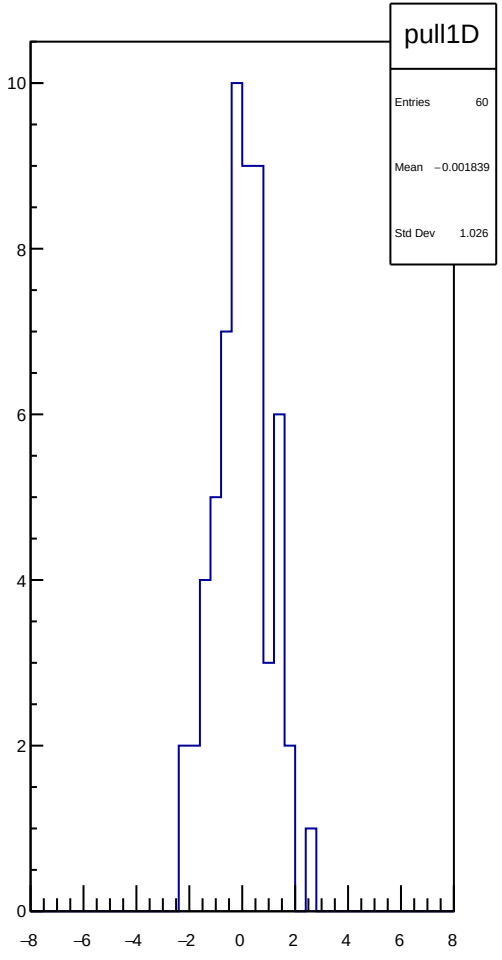

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0

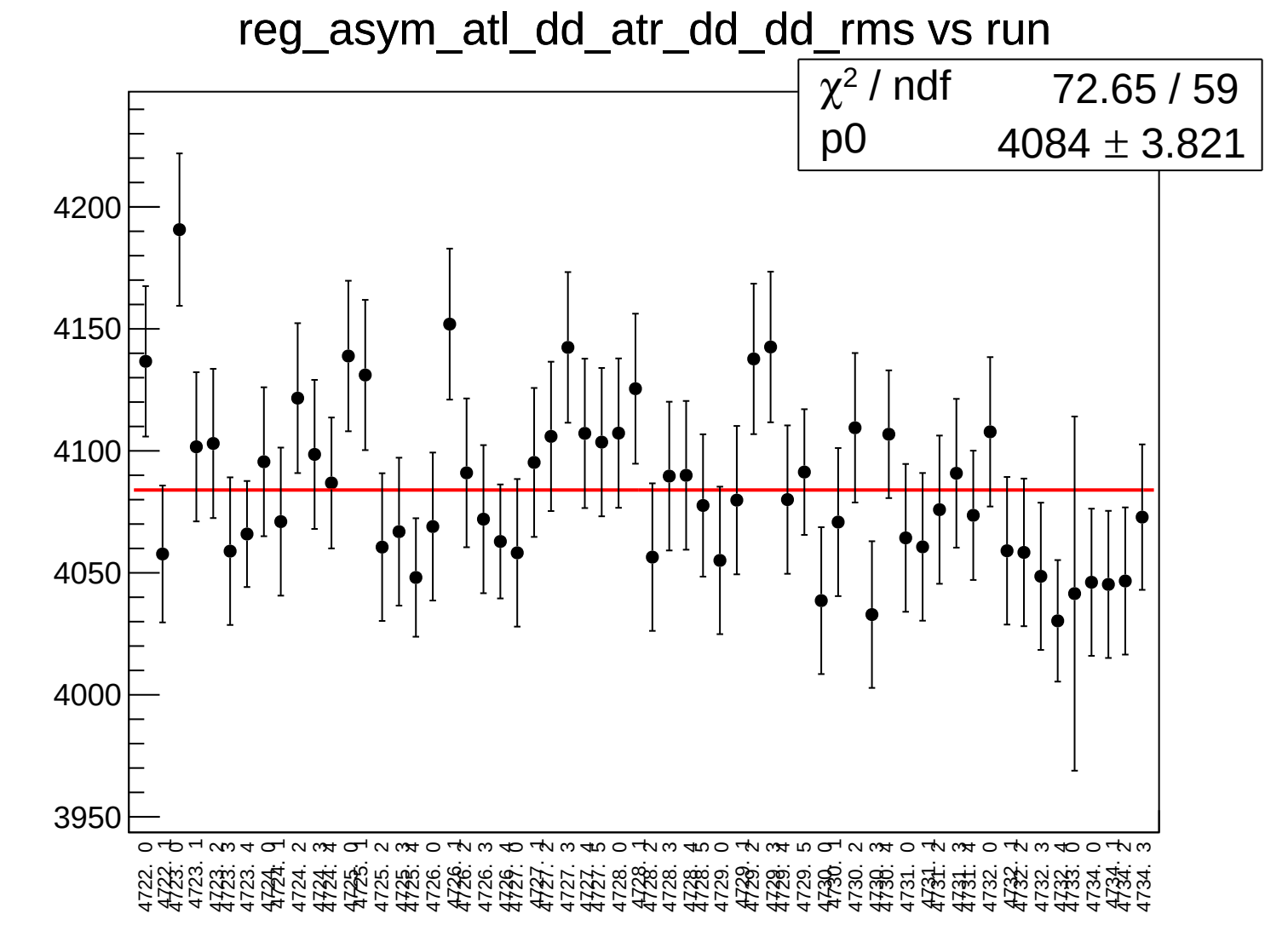

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 71.78 / 59
p0 −6125 ± 5403
pull
Entries 60
Mean −1.679e+04
Std Dev 1.682e+04

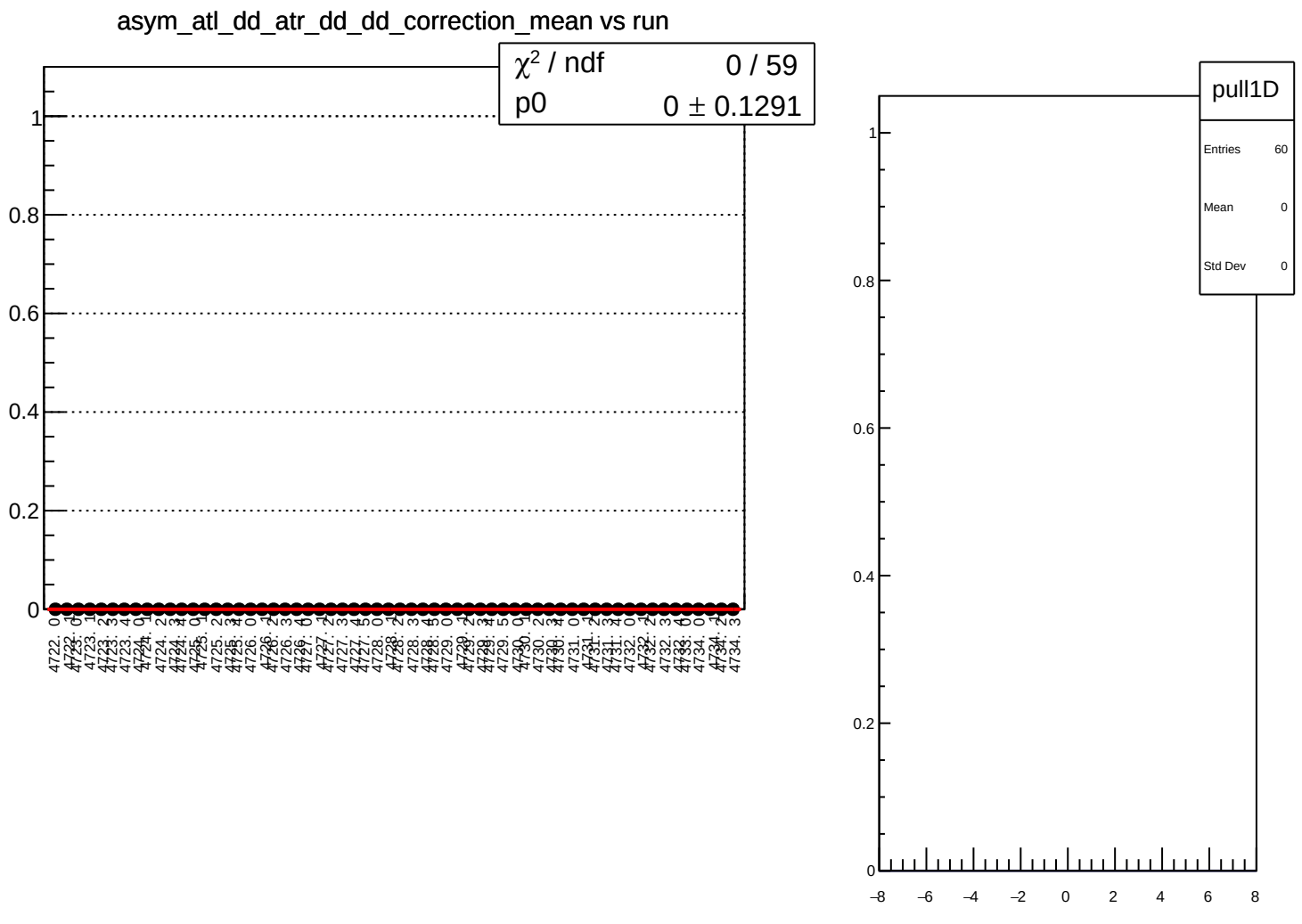

pull1D
Entries 60
Mean 0.0002908
Std Dev 1.094

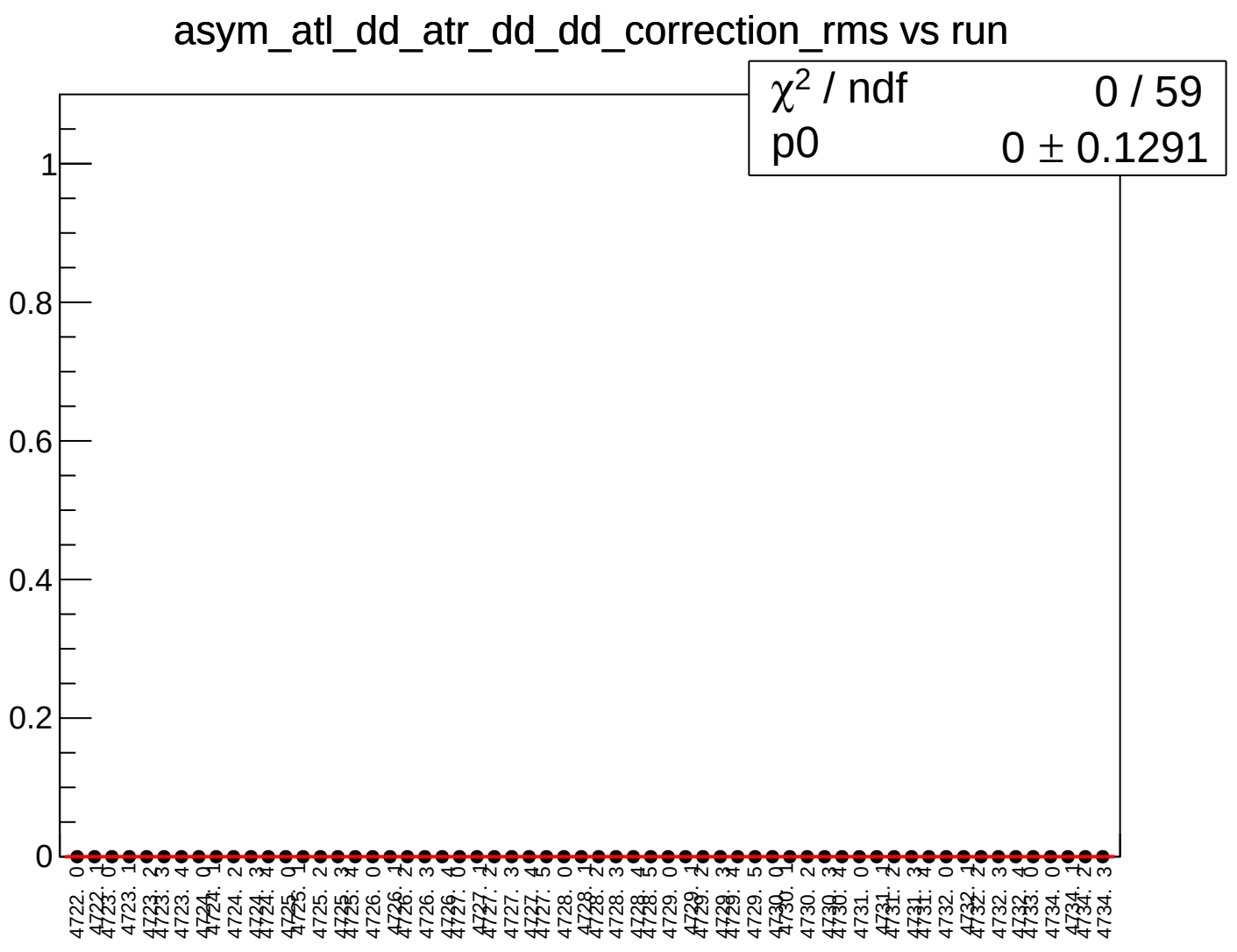

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 47.06 / 59
p0 4083 ± 3.821
4200
4150
4100
4050
4000
3950
3900
3850

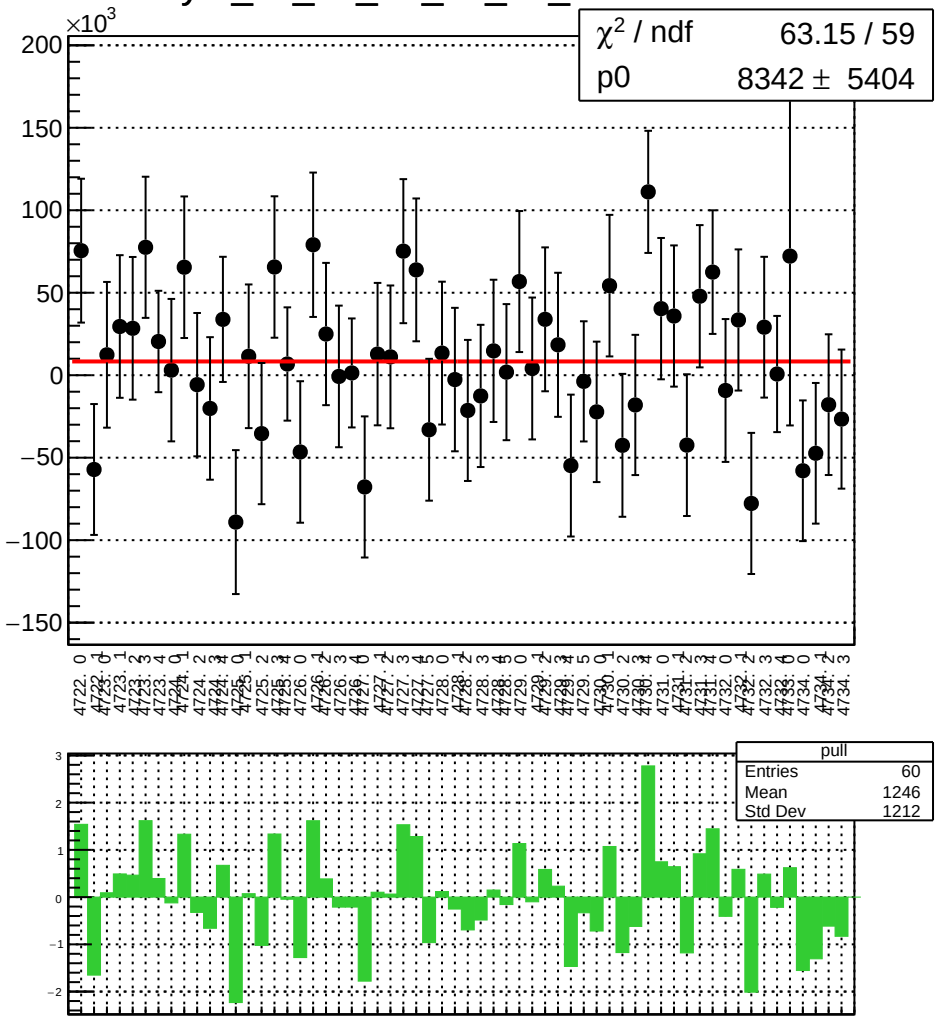

reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 63.15 / 59
p0 8342 ± 5404
pull
Entries 60
Mean 1246
Std Dev 1212

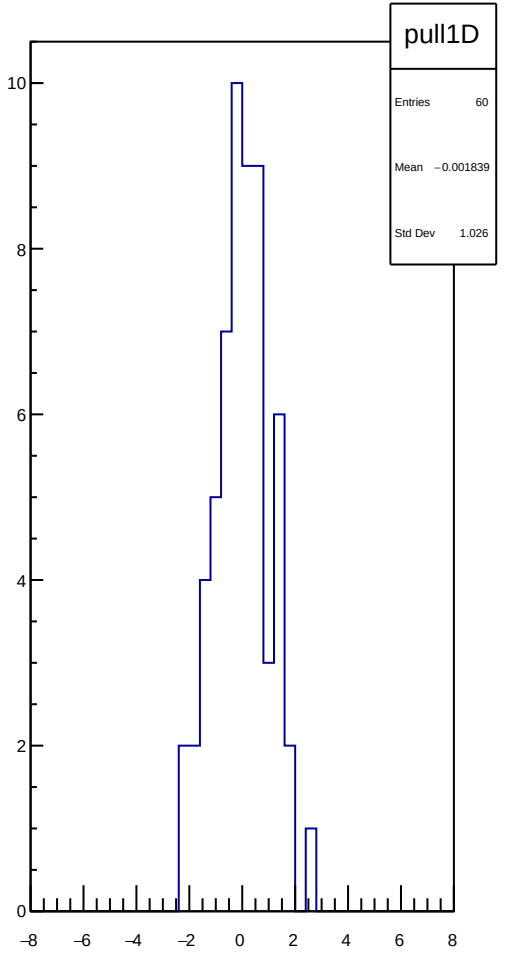

pull1D
Entries 60
Mean −0.001839
Std Dev 1.026

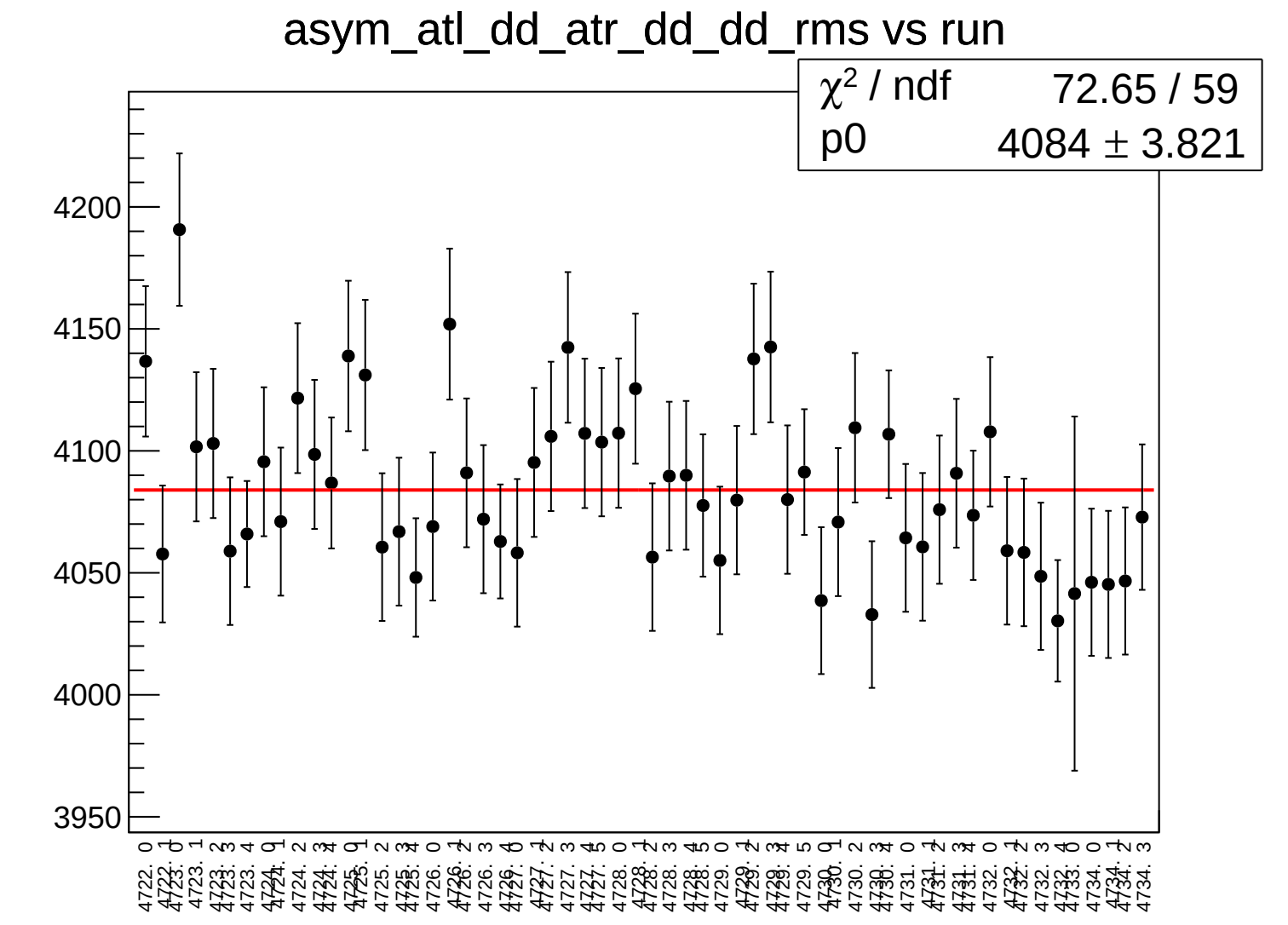

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 72.65 / 59
p0 4084 ± 3.821
4200
4150
4100
4050
4000
3950

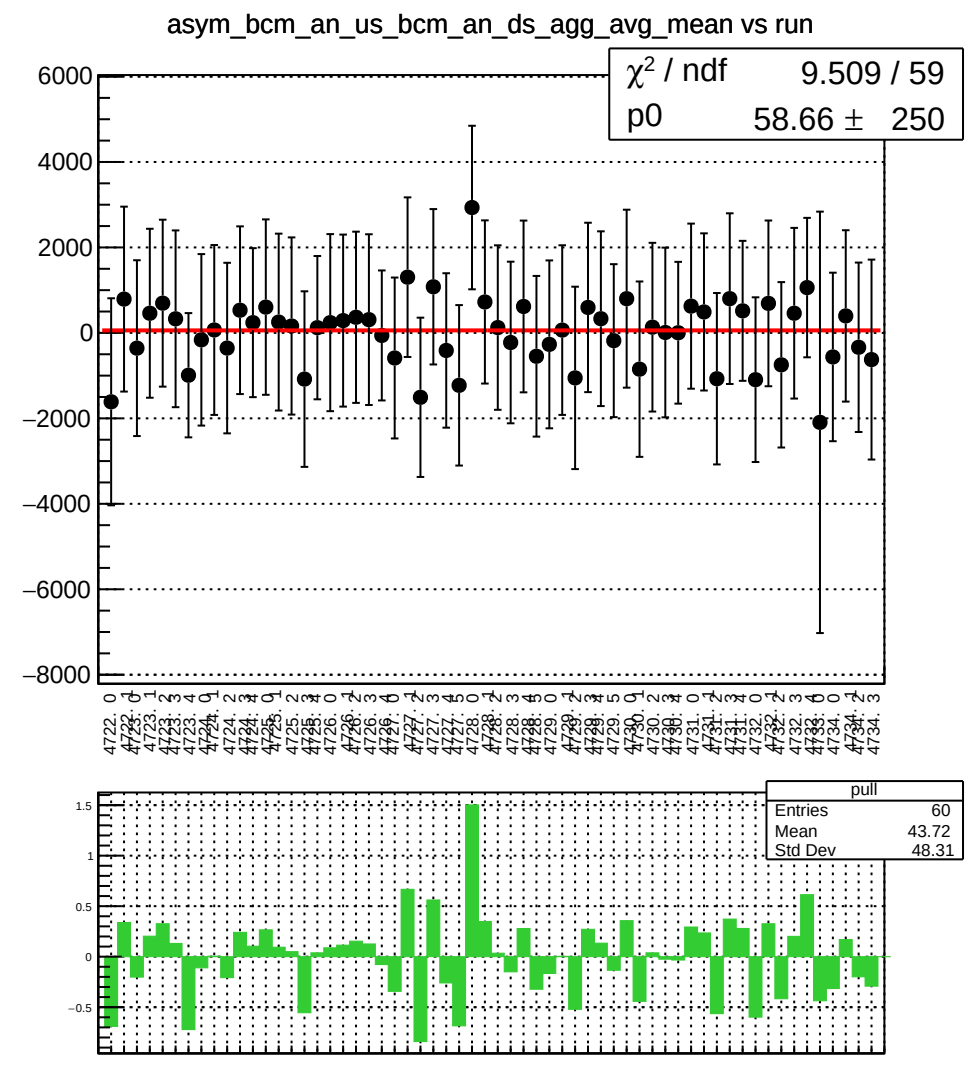

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
pull1D
Entries 60
Mean 0
Std Dev 0

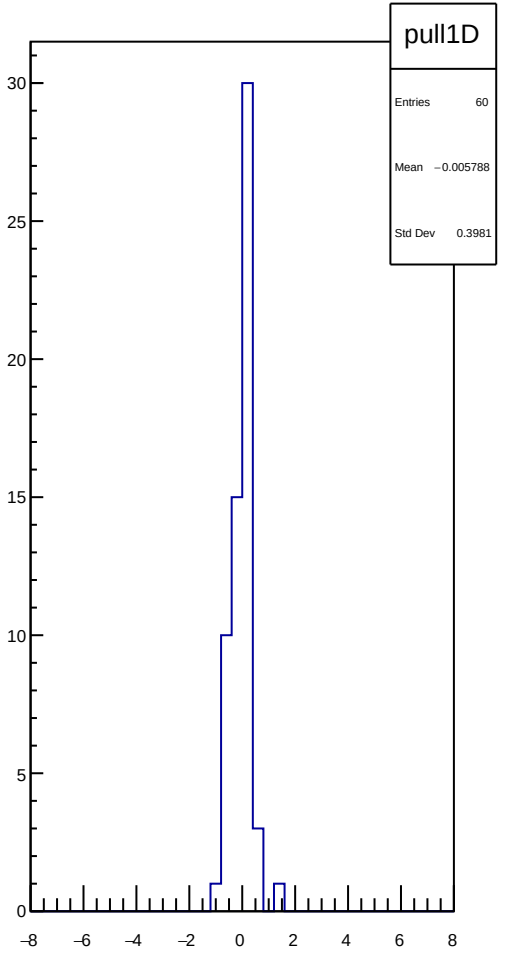

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 59
p0 0 ± 0.1291
1
0.8
0.6
0.4
0.2
0
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

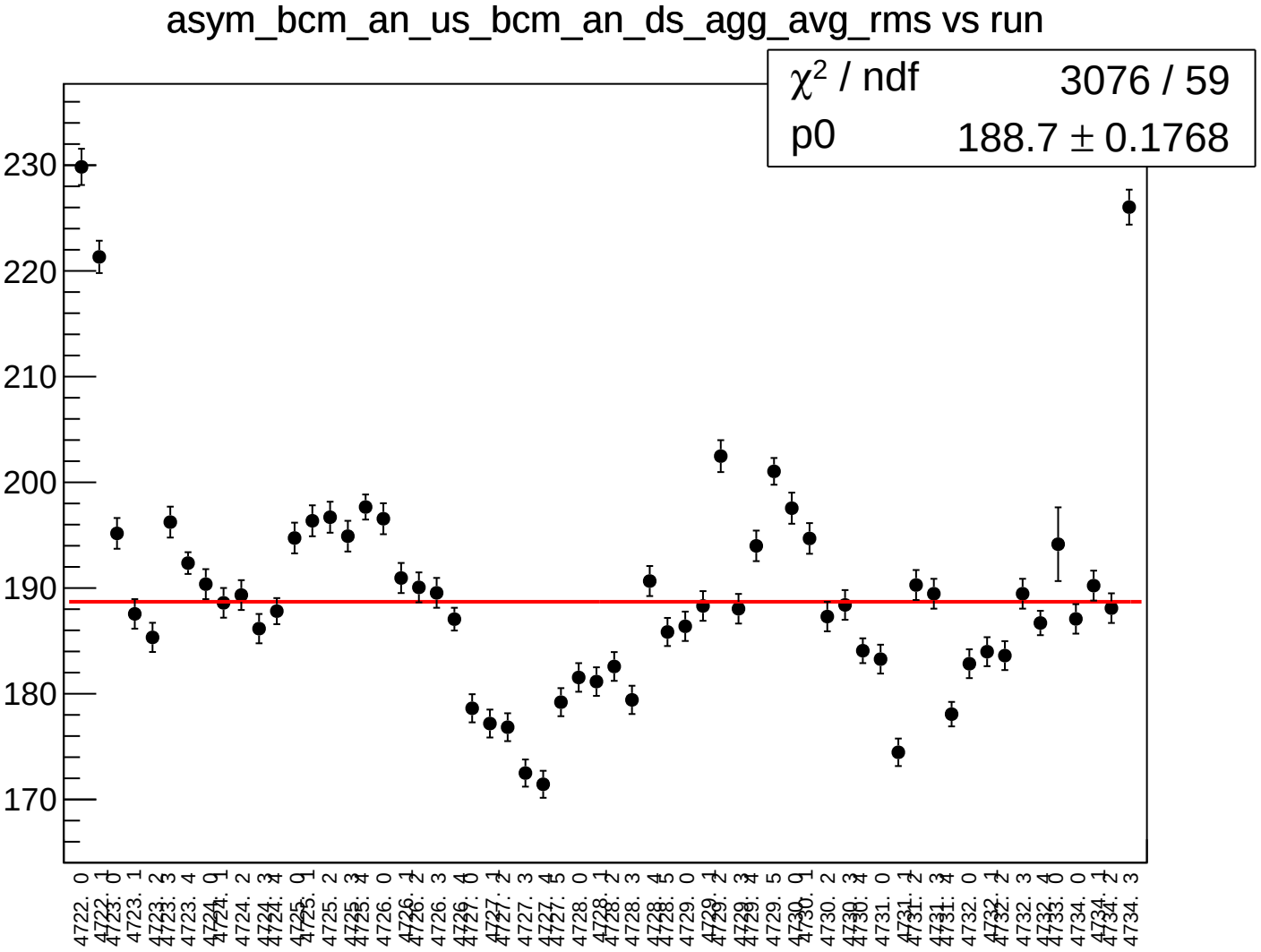

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 63.15 / 59
p0 8342 ± 5404
pull
Entries 60
Mean 1246
Std Dev 1212

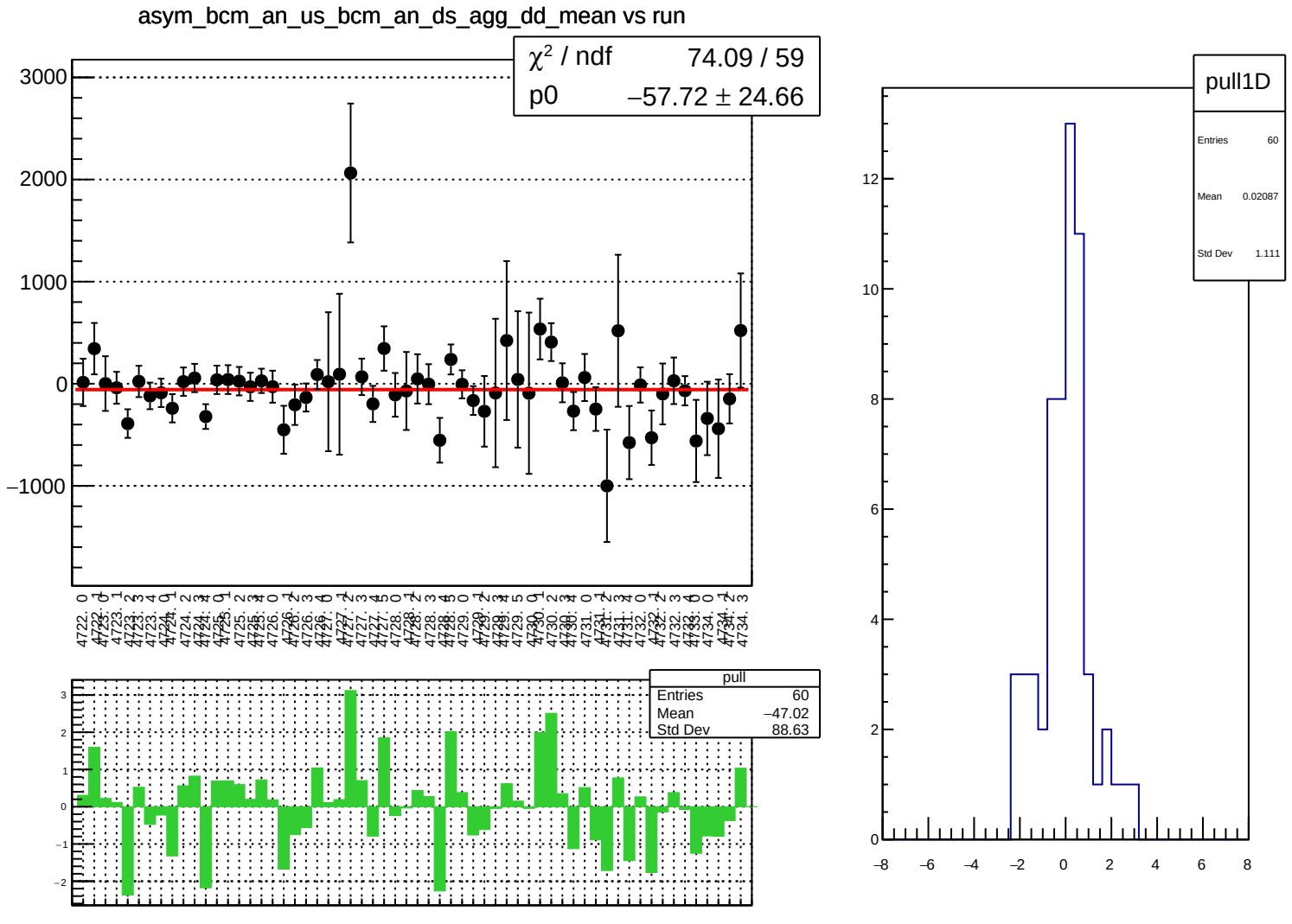

pull1D
Entries 60
Mean −0.001839
Std Dev 1.026

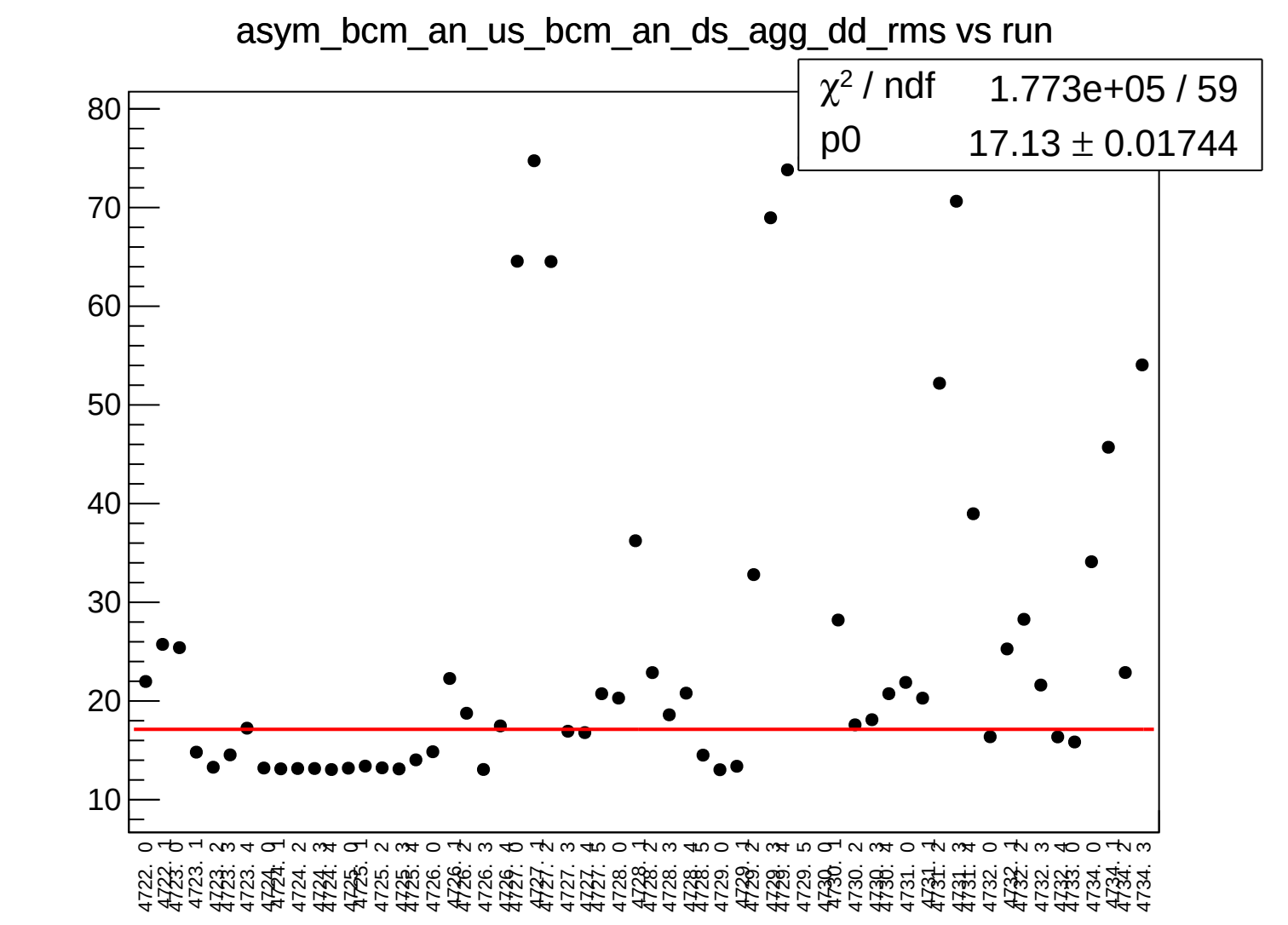

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 72.65 / 59
p0 4084 ± 3.821
4200
4150
4100
4050
4000
3950

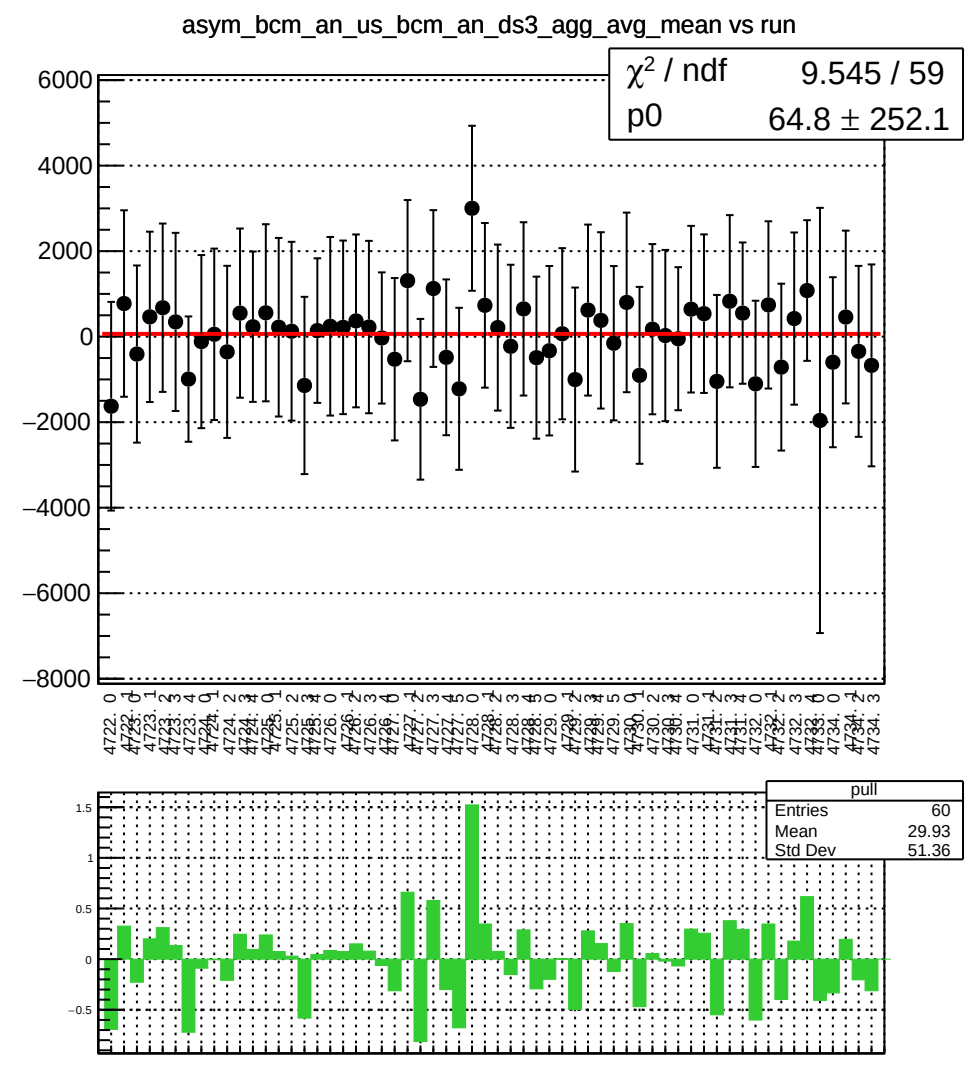

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.509 / 59
p0 58.66 ± 250
pull
Entries 60
Mean 43.72
Std Dev 48.31

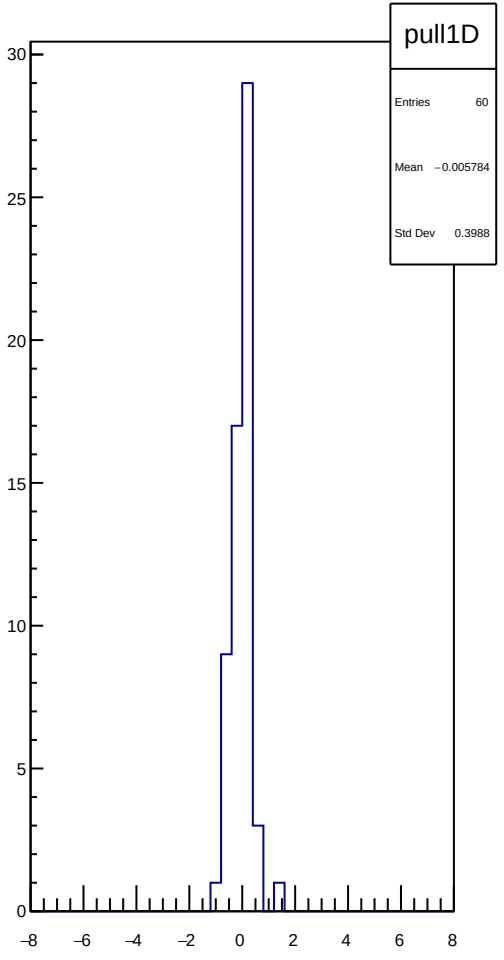

pull1D
Entries 60
Mean −0.005788
Std Dev 0.3981

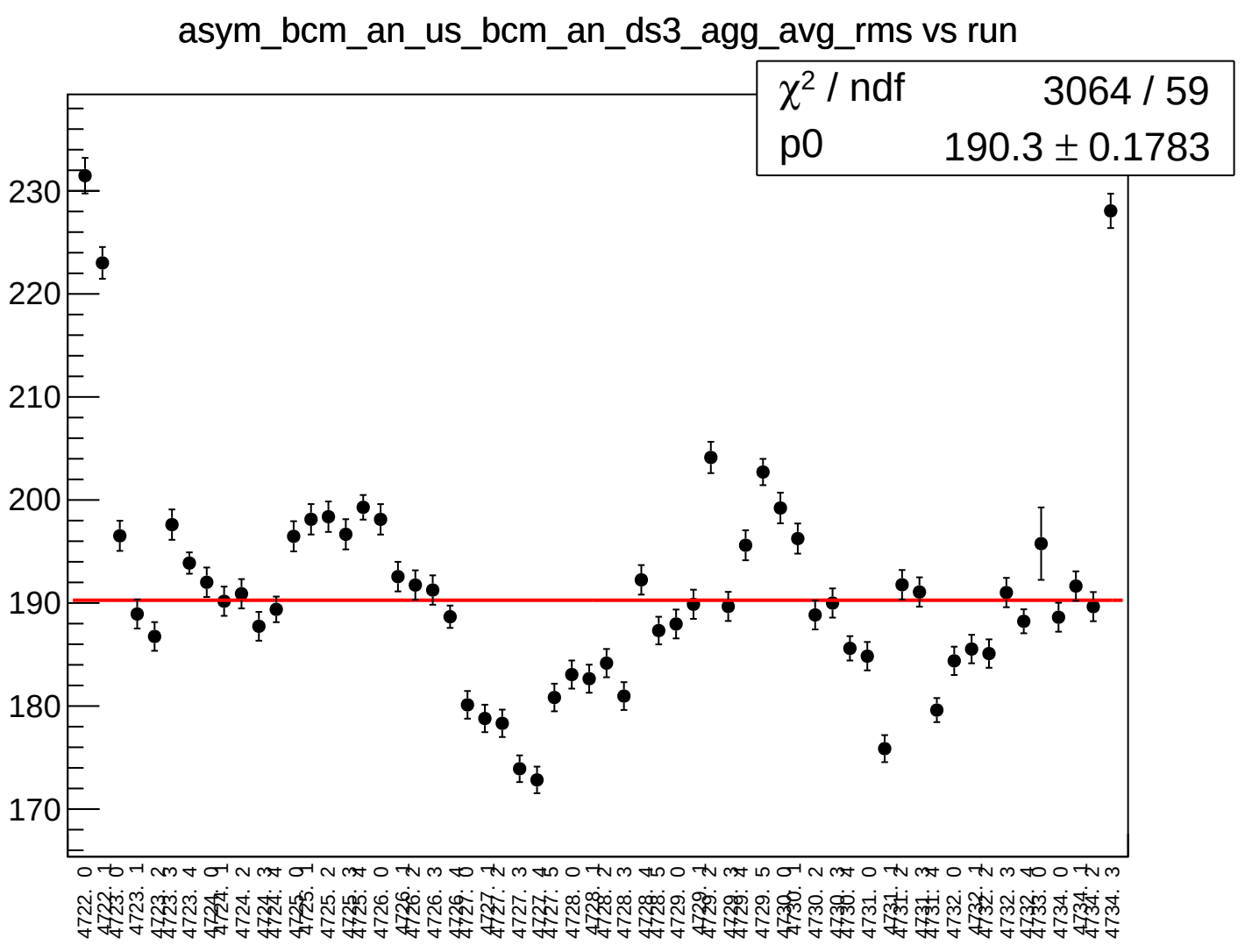

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3076 / 59
p0 188.7 ± 0.1768
230
220
210
200
190
180
170

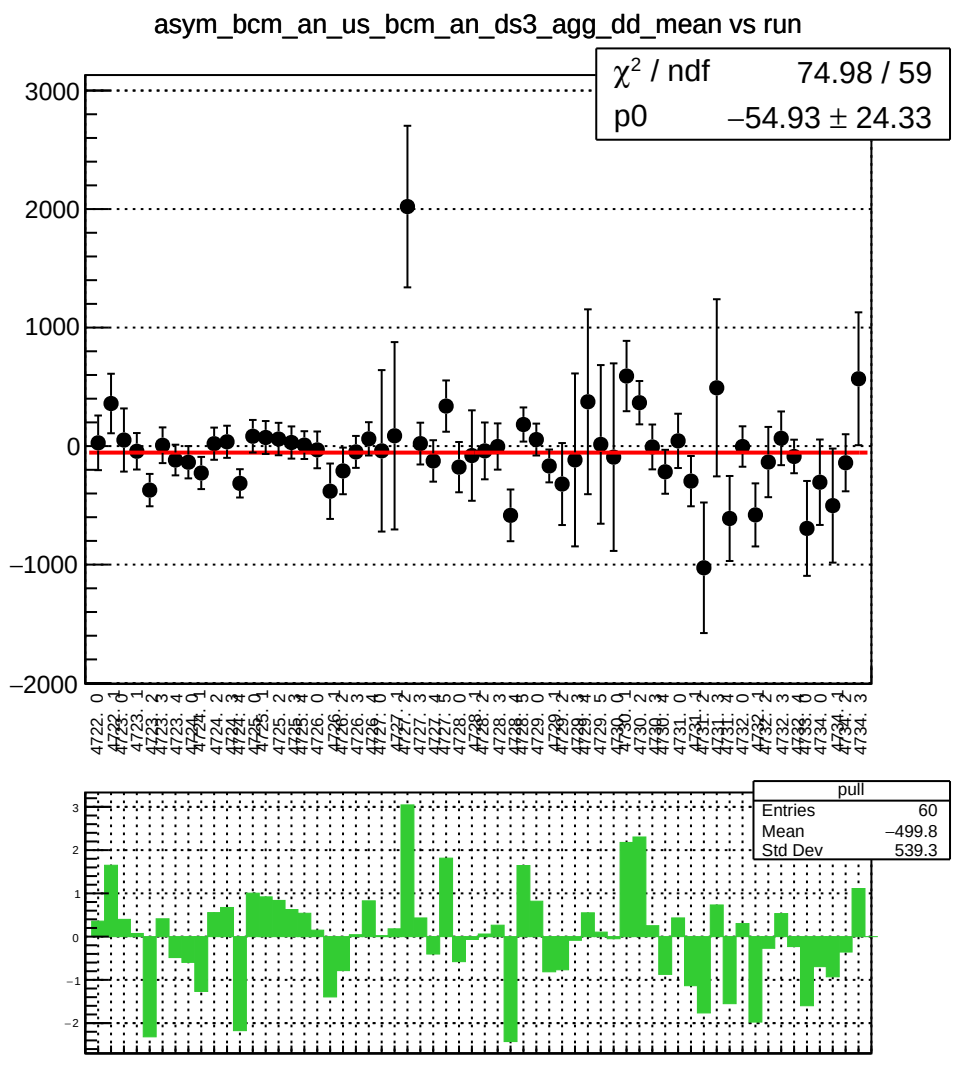

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 74.09 / 59
p0 −57.72 ± 24.66
3000
2000
1000
0
−1000
pull
Entries 60
Mean −47.02
Std Dev 88.63
pull1D
Entries 60
Mean 0.02087
Std Dev 1.111

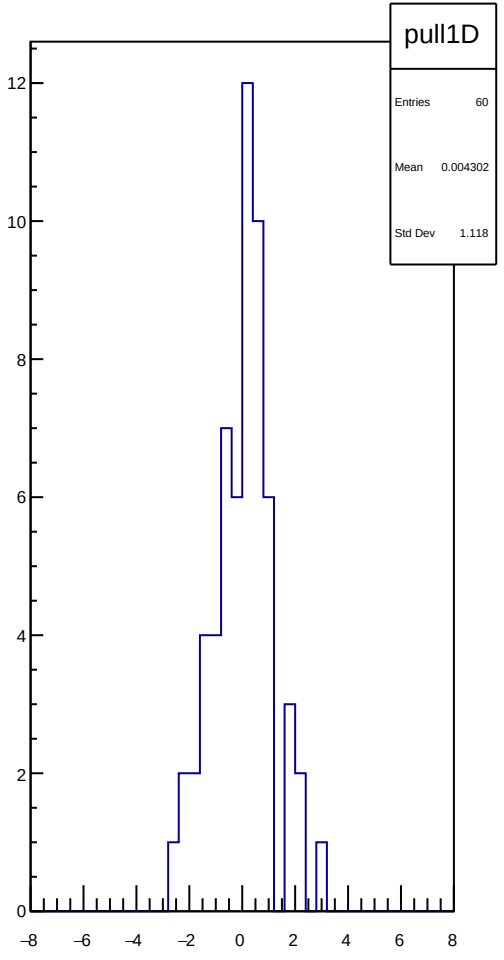

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.773e+05 / 59
p0 17.13 ± 0.01744
80
70
60
50
40
30
20
10

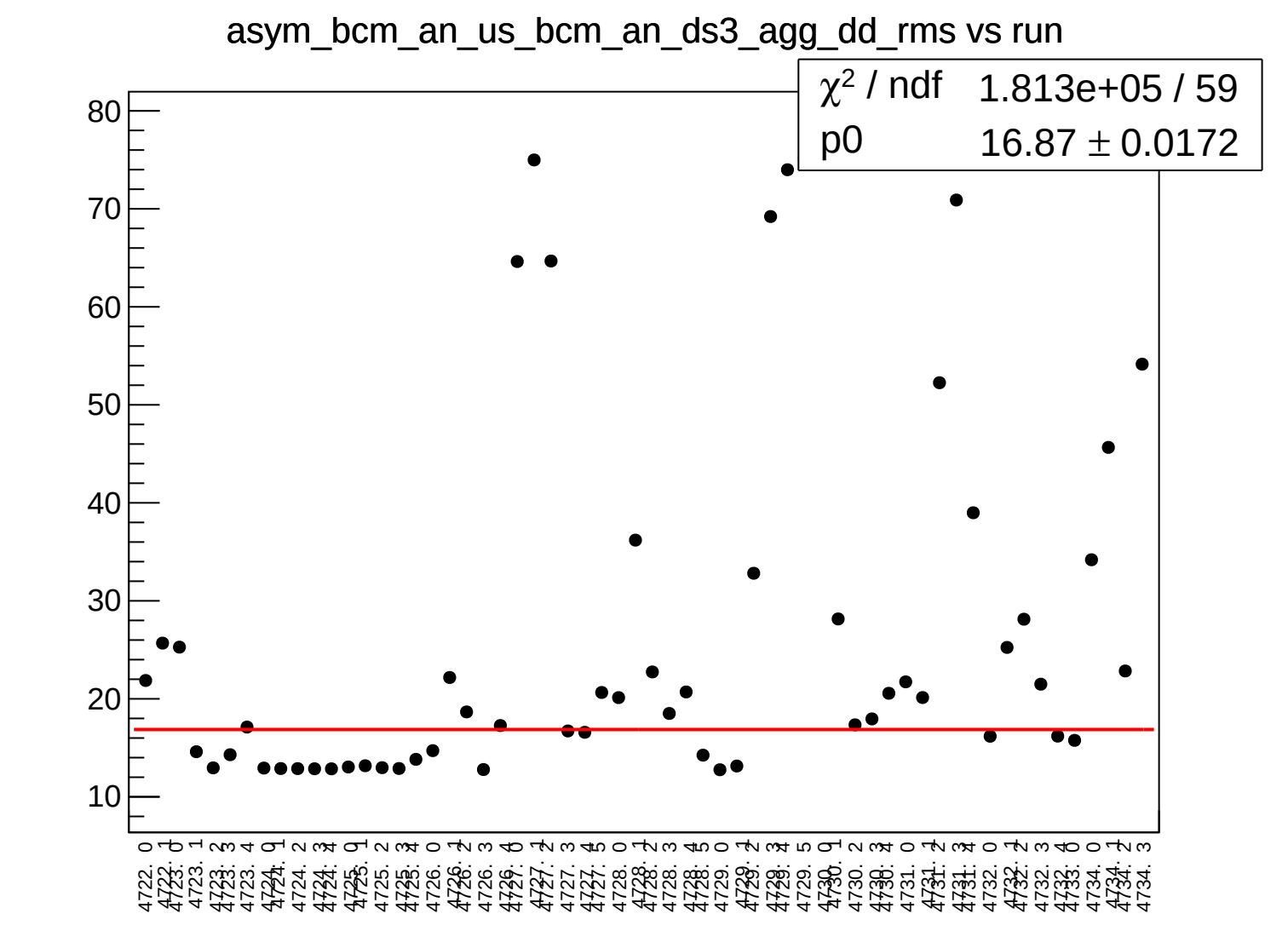

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.545 / 59
p0 64.8 ± 252.1
pull
Entries 60
Mean 29.93
Std Dev 51.36

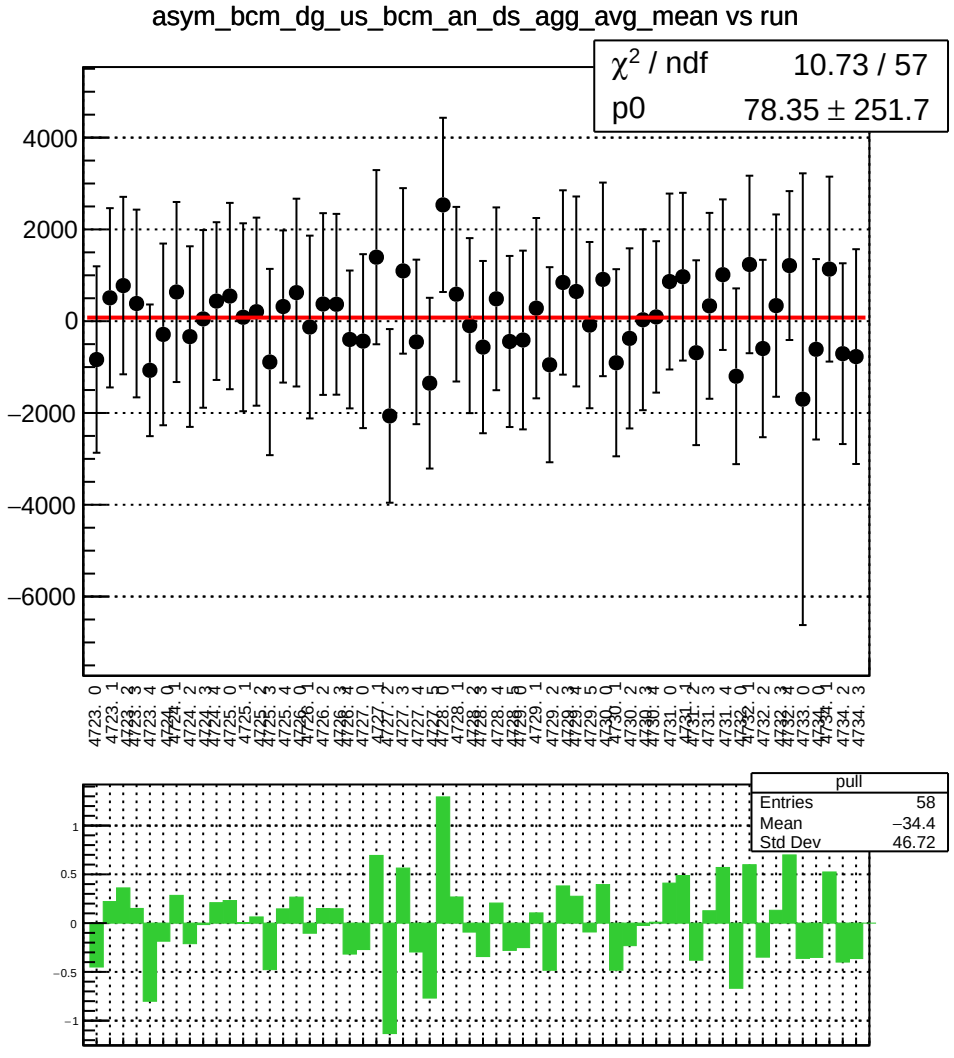

pull1D
Entries 60
Mean −0.005784
Std Dev 0.3988

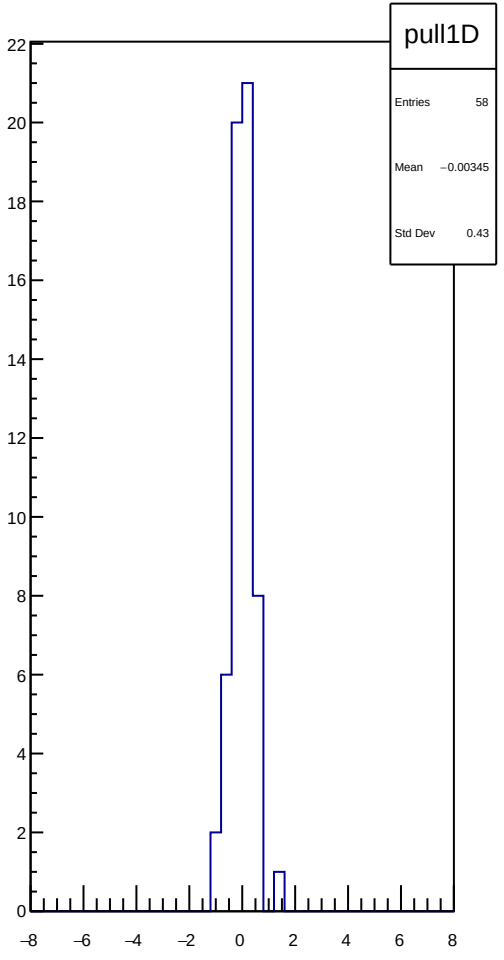

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3064 / 59
p0 190.3 ± 0.1783
230
220
210
200
190
180
170

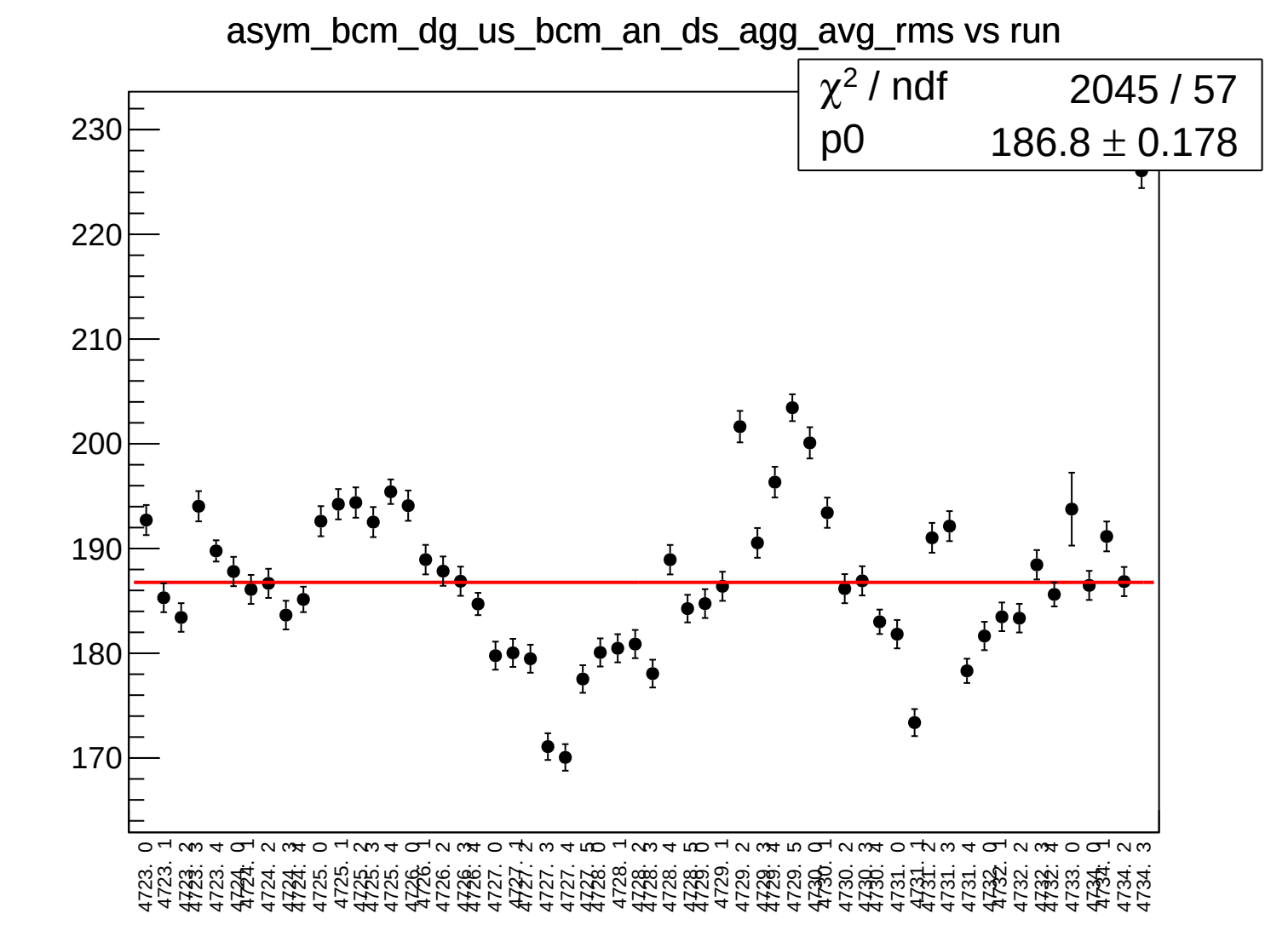

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 74.98 / 59
p0 −54.93 ± 24.33
pull
Entries 60
Mean −499.8
Std Dev 539.3

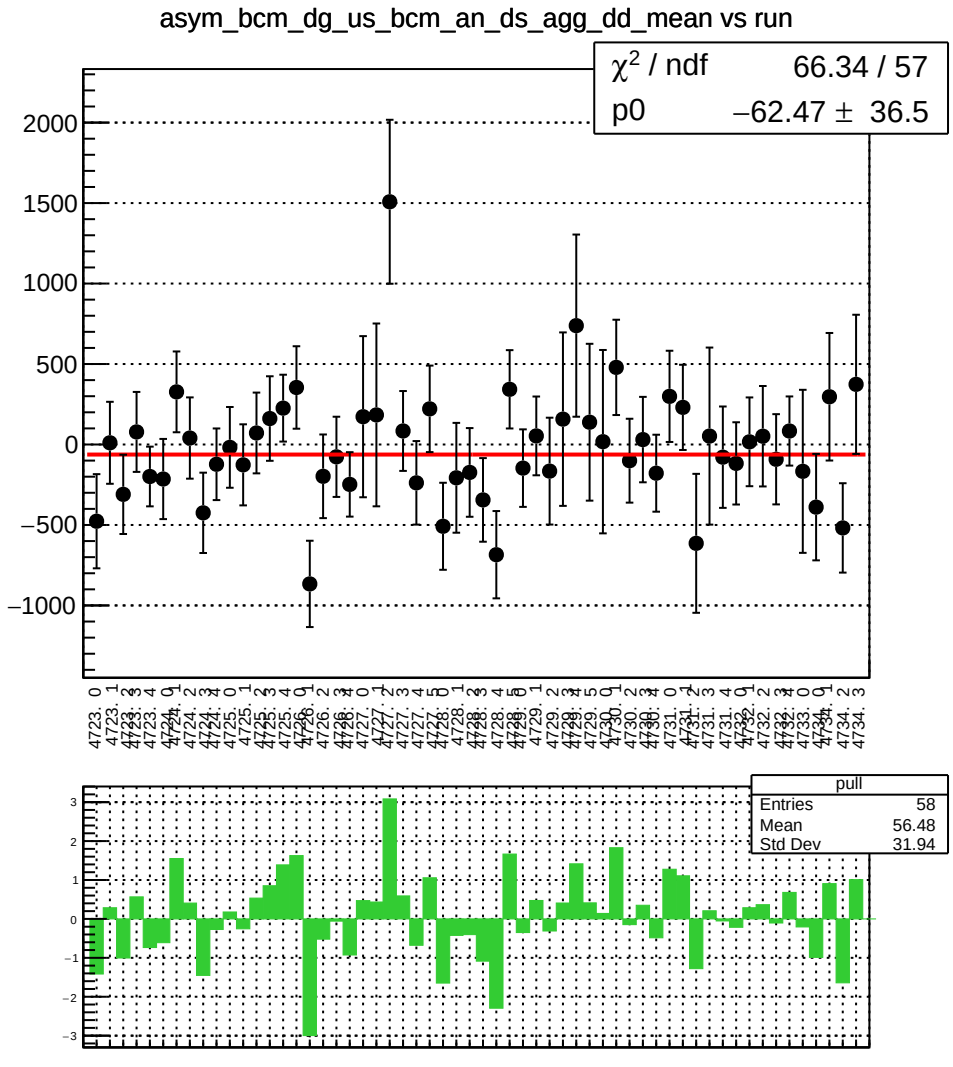

pull1D
Entries 60
Mean 0.004302
Std Dev 1.118

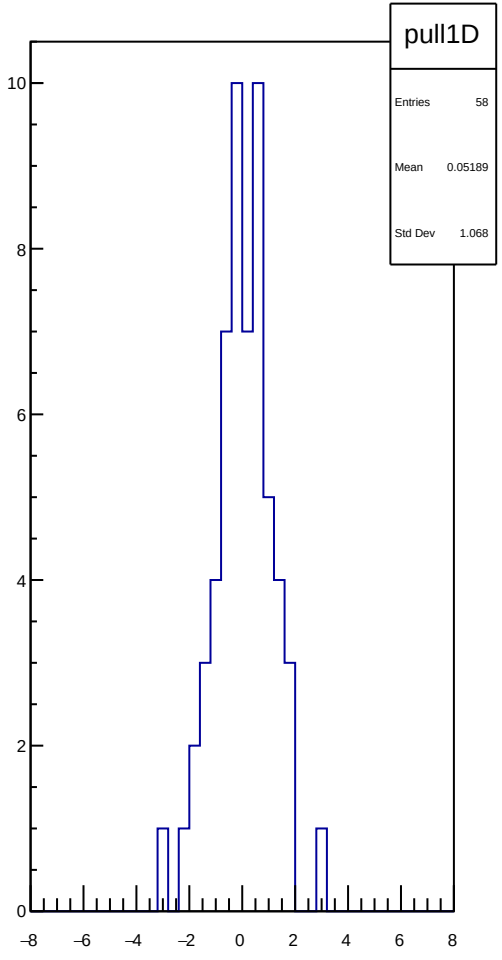

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.813e+05 / 59
p0 16.87 ± 0.0172
80
70
60
50
40
30
20
10
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

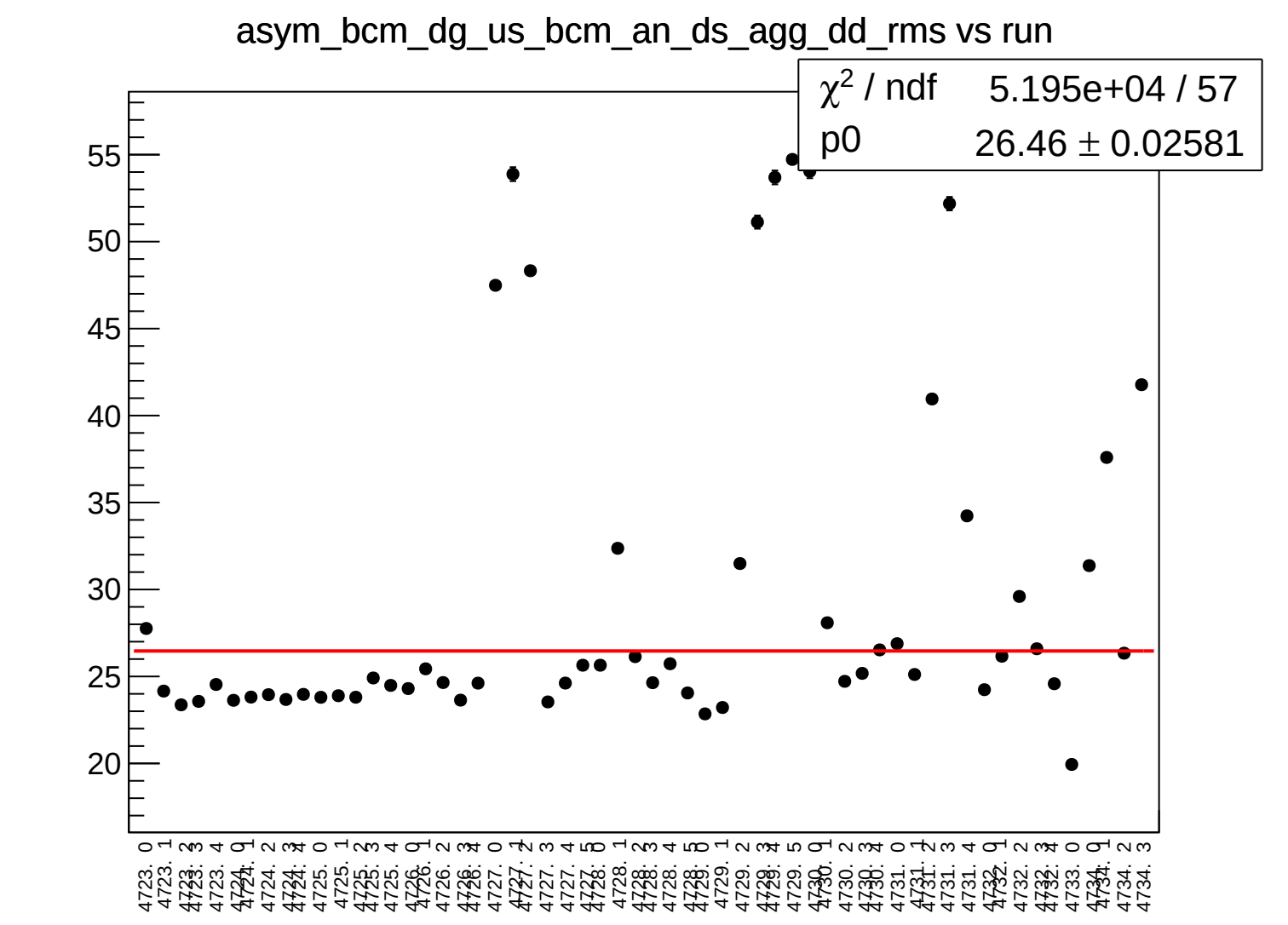

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.73 / 57
p0 78.35 ± 251.7
pull
Entries 58
Mean −34.4
Std Dev 46.72

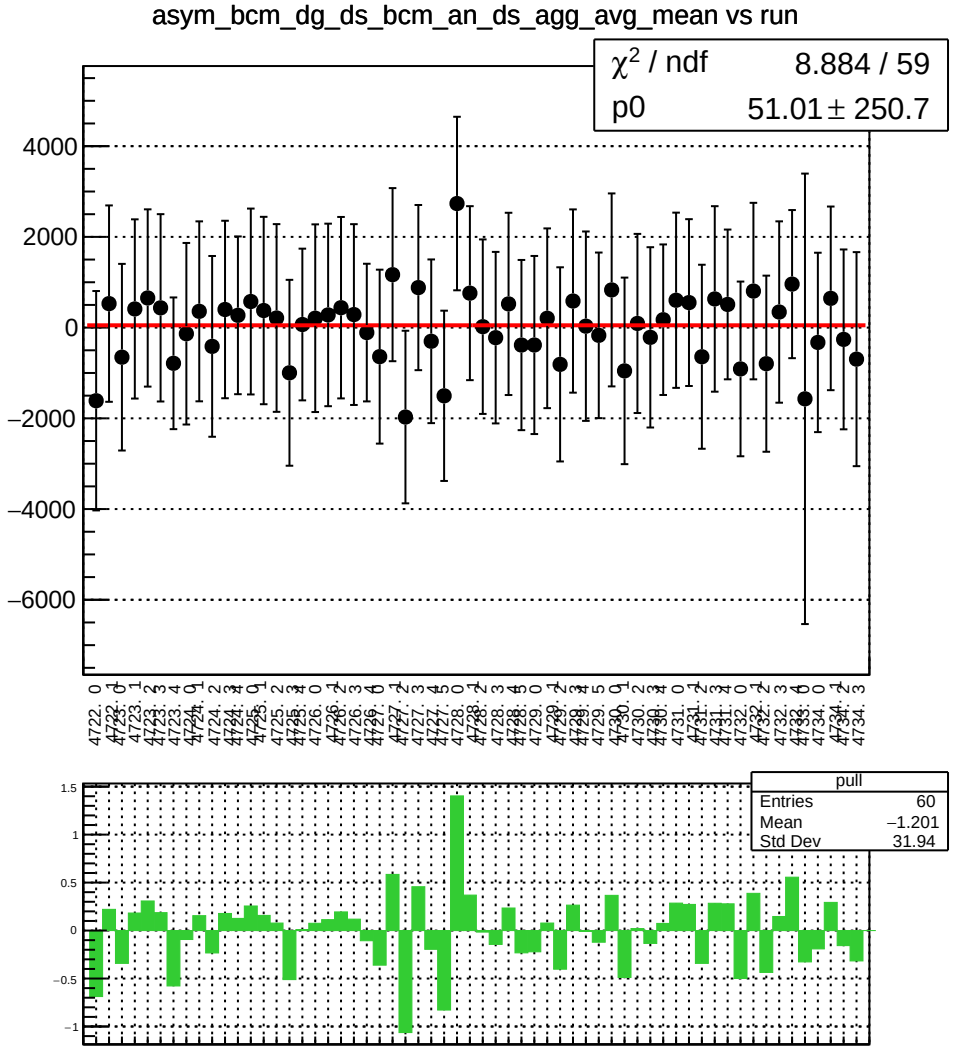

pull1D
Entries 58
Mean −0.00345
Std Dev 0.43

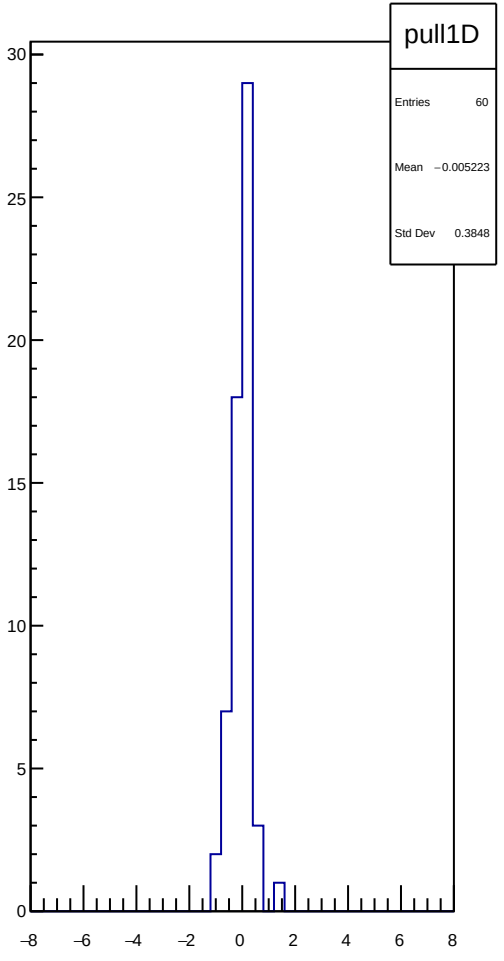

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2045 / 57
p0 186.8 ± 0.178
230
220
210
200
190
180
170

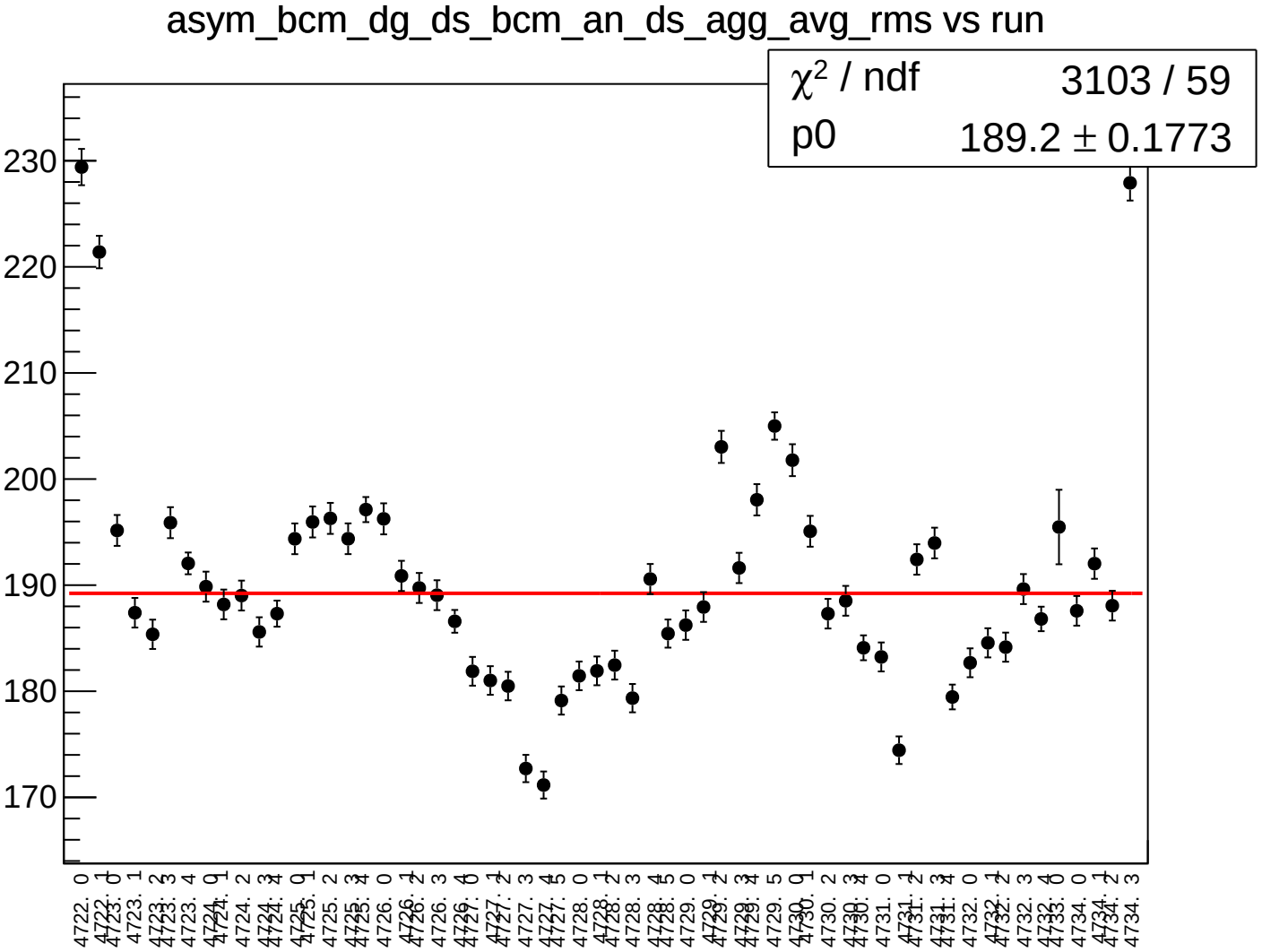

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 66.34 / 57
p0 −62.47 ± 36.5
pull
Entries 58
Mean 56.48
Std Dev 31.94

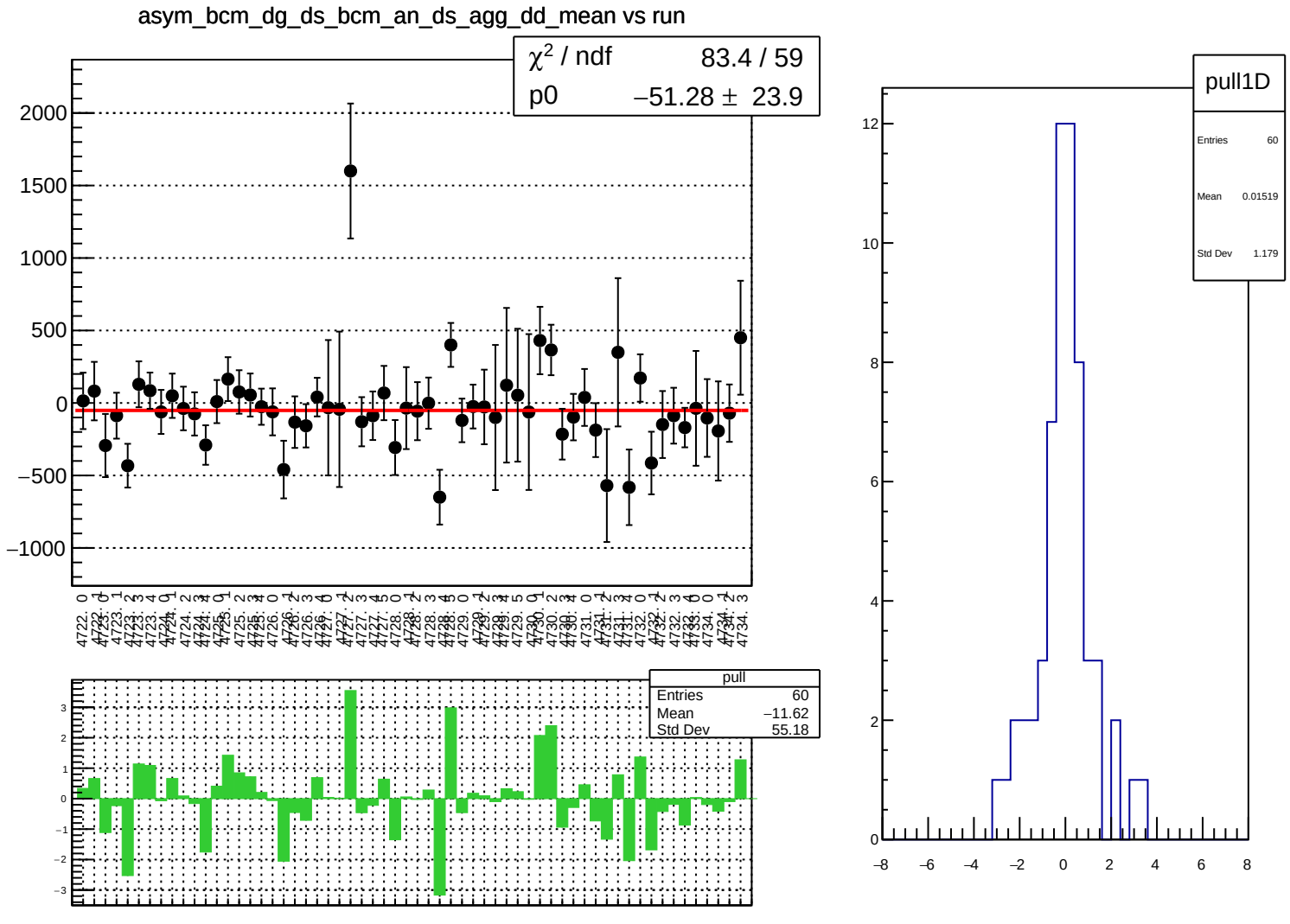

pull1D
Entries 58
Mean 0.05189
Std Dev 1.068

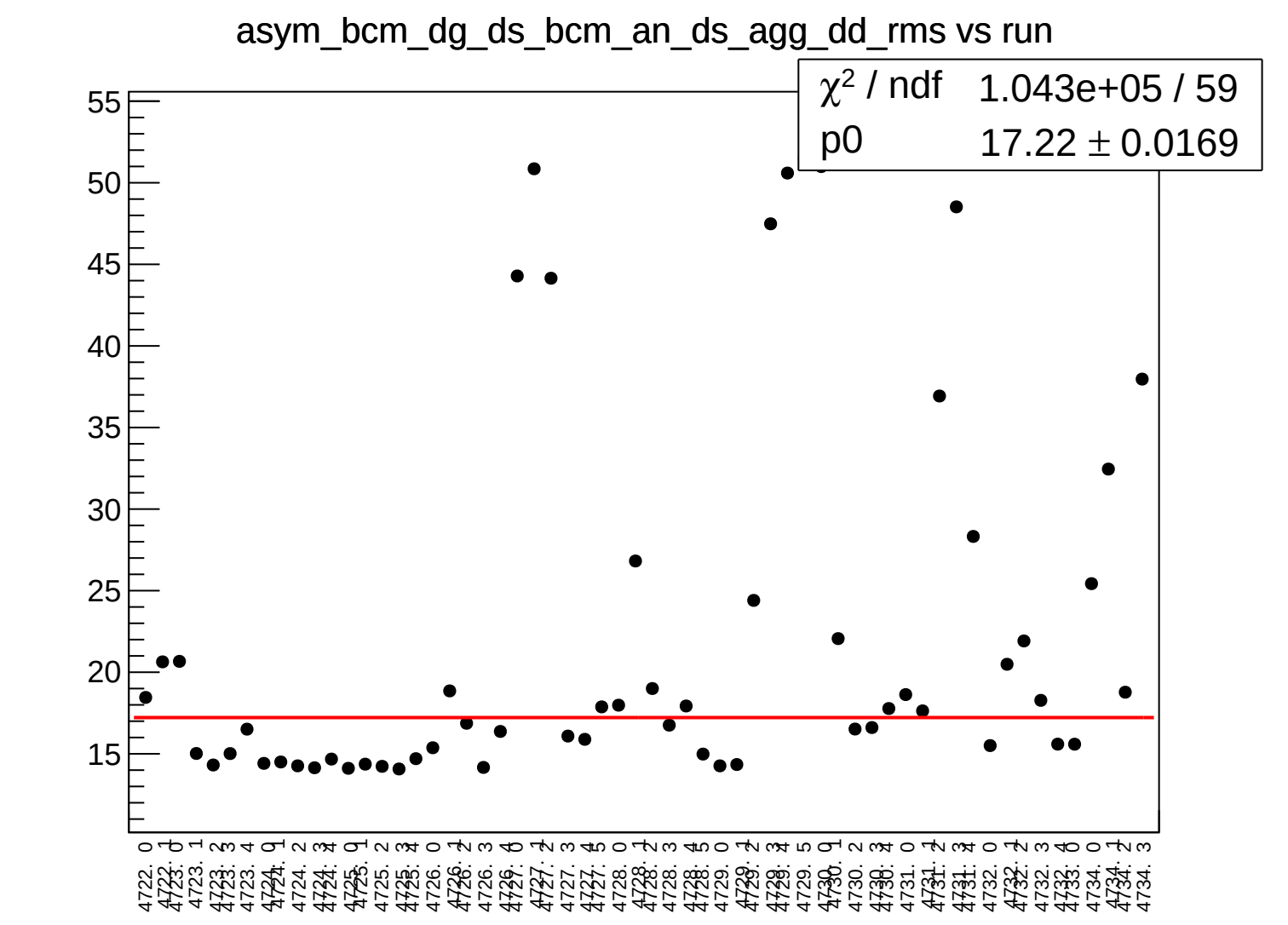

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 5.195e+04 / 57
p0 26.46 ± 0.02581
55
50
45
40
35
30
25
20

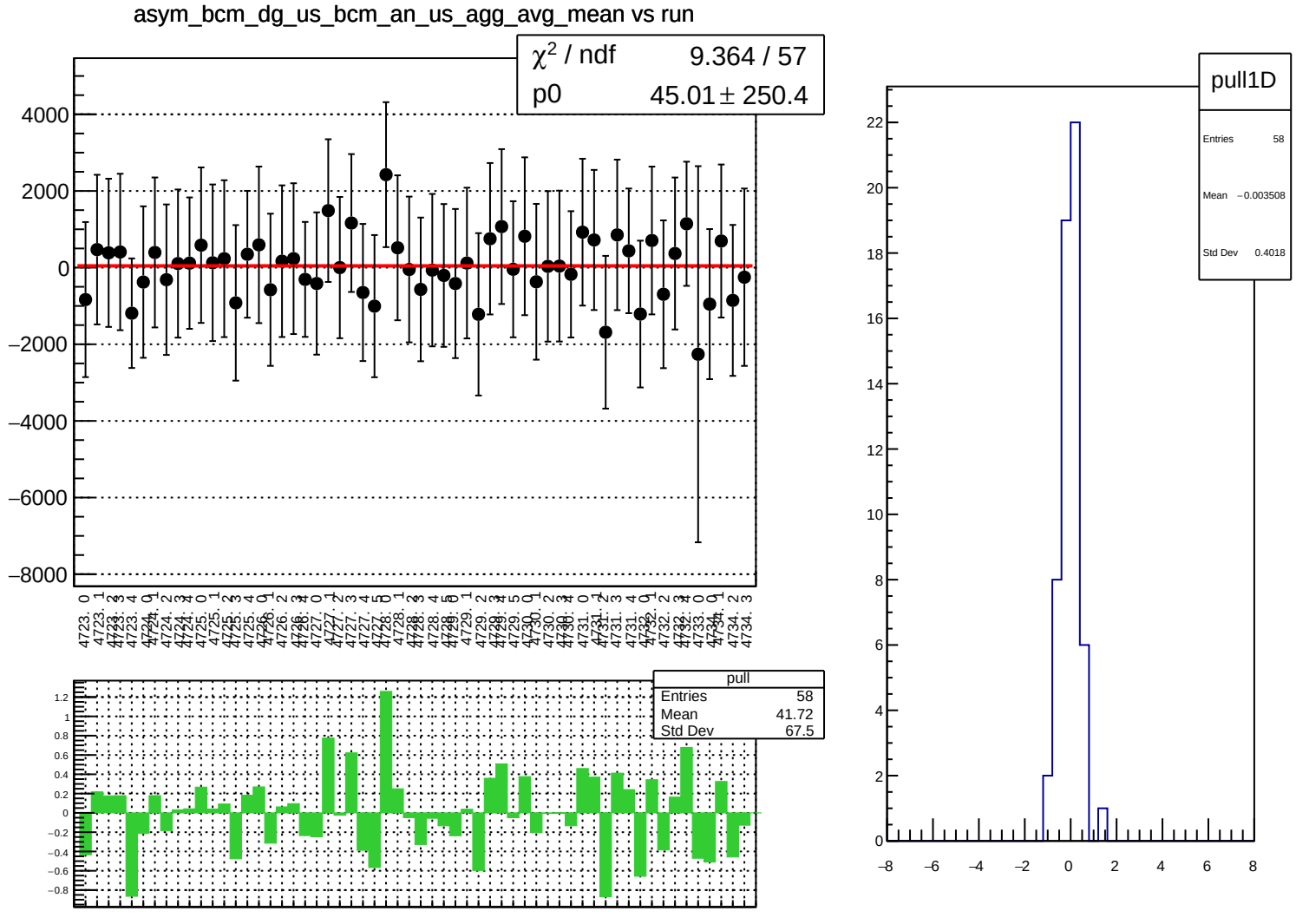

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 8.884 / 59
p0 51.01 ± 250.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 60
Mean −1.201
Std Dev 31.94
1.5
1
0.5
0
−0.5
−1

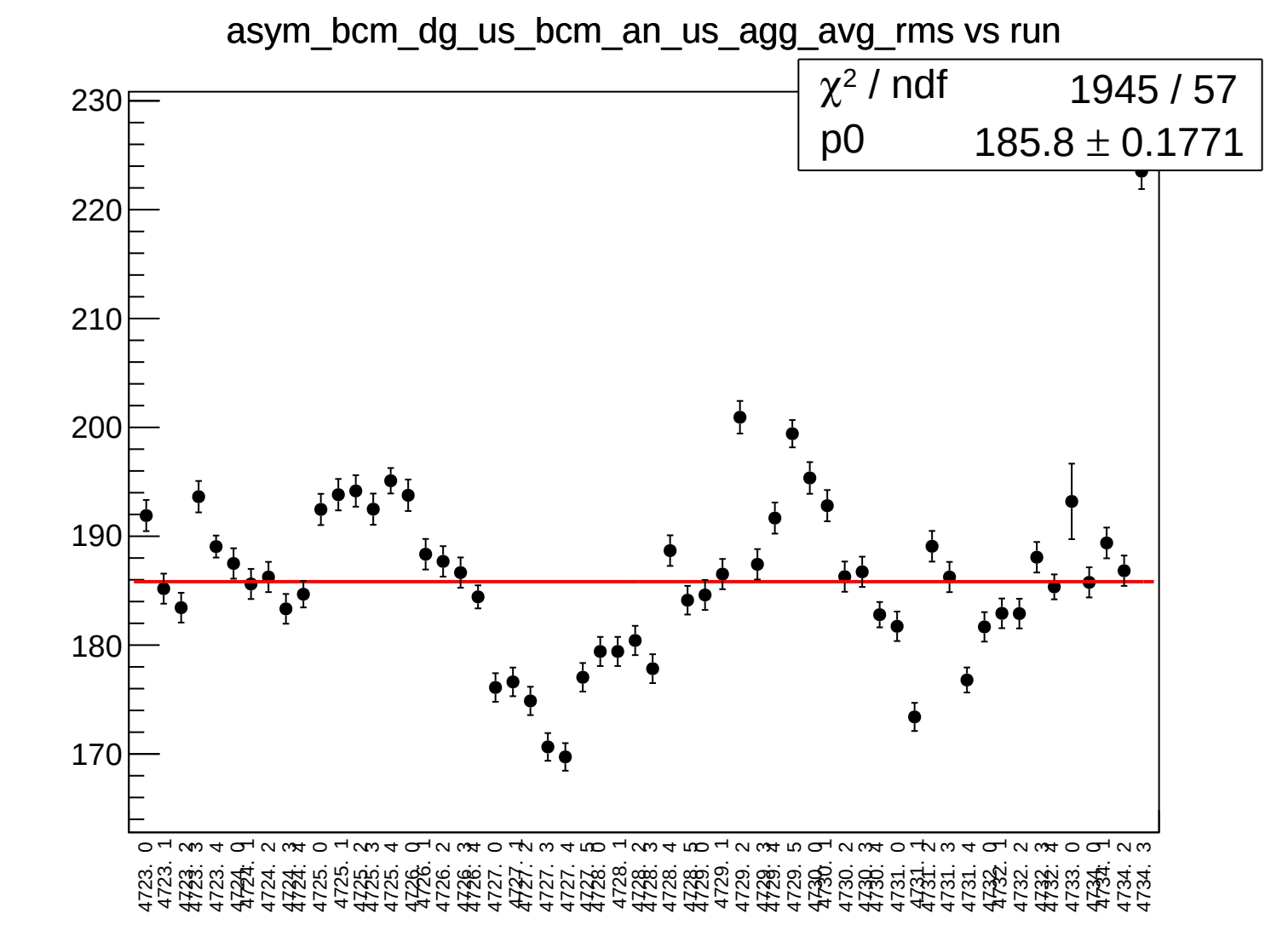

pull1D
Entries 60
Mean −0.005223
Std Dev 0.3848
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

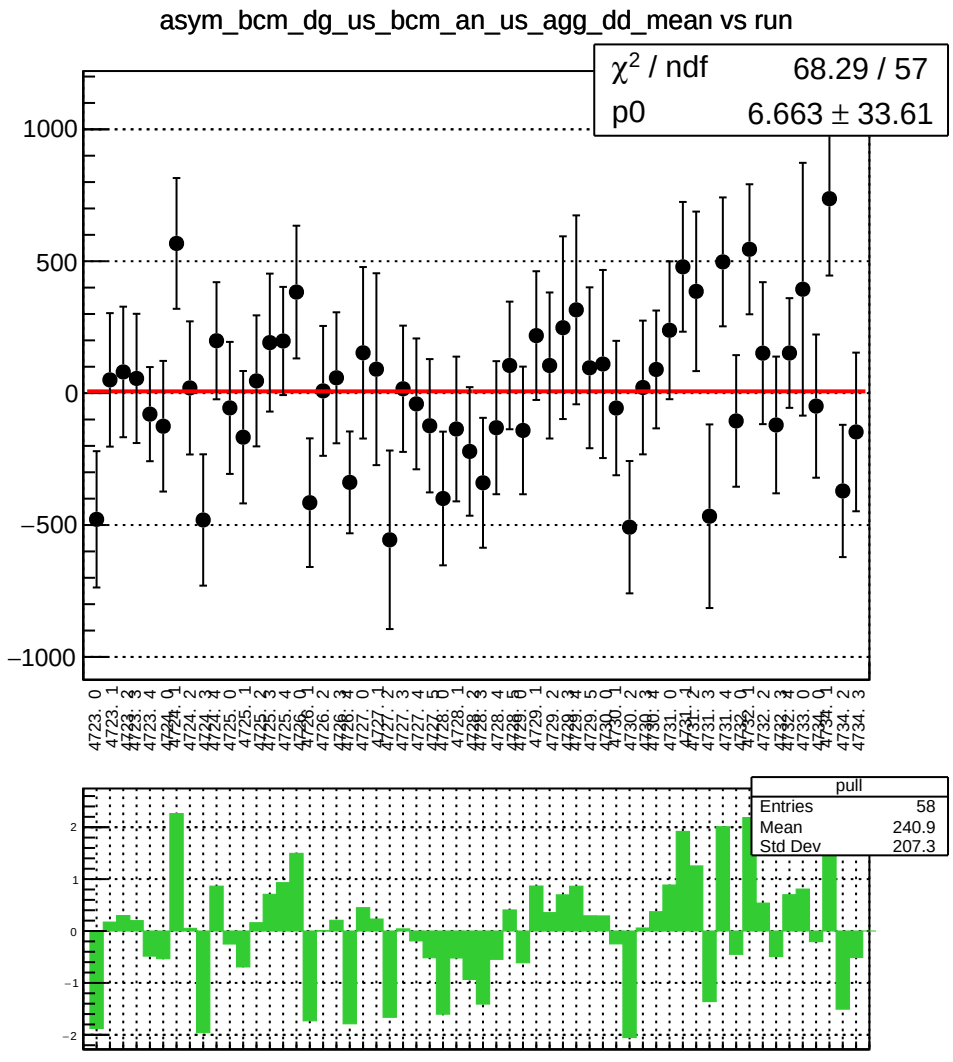

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3103 / 59
p0 189.2 ± 0.1773
230
220
210
200
190
180
170

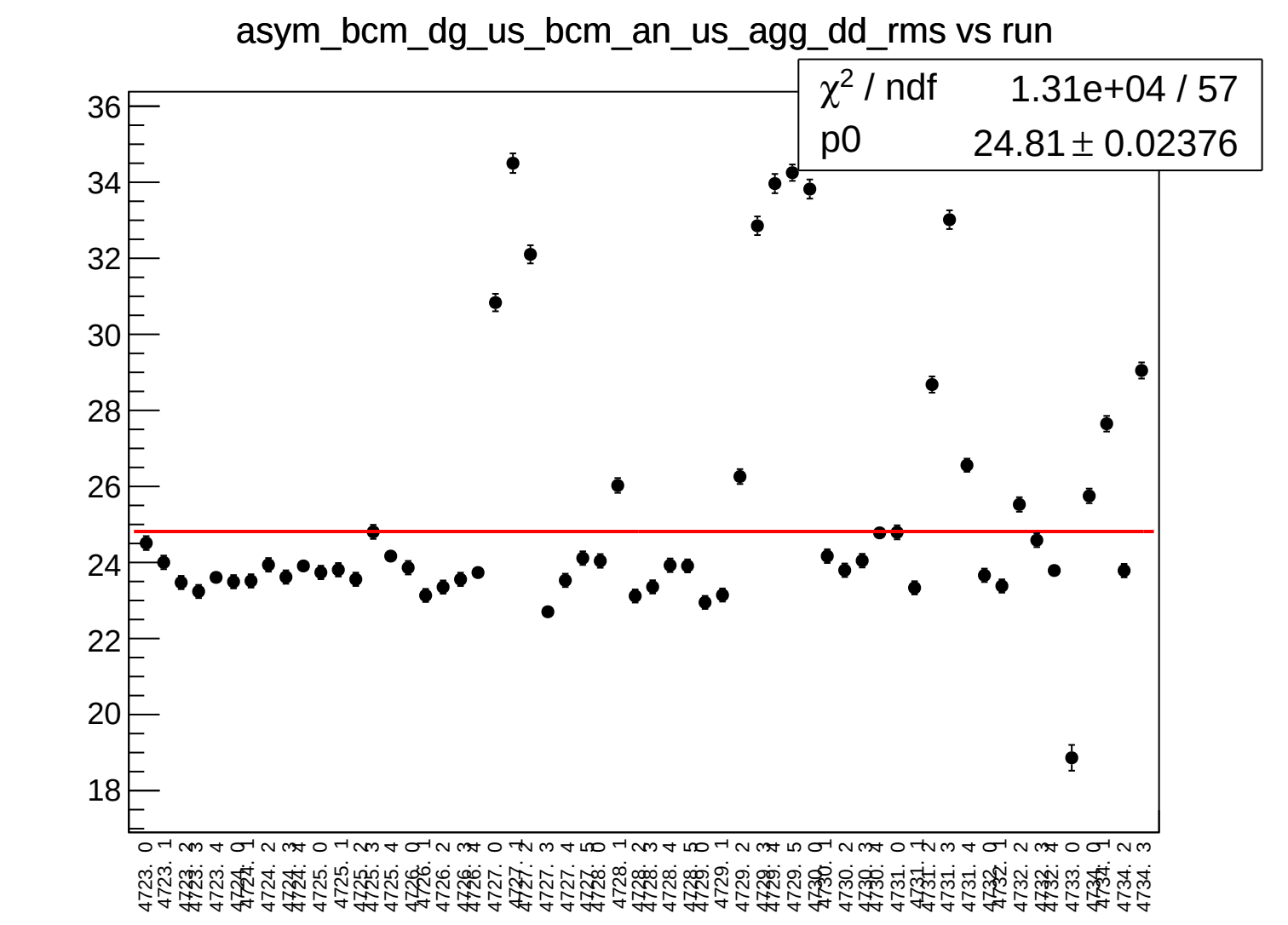

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 83.4 / 59
p0 −51.28 ± 23.9
pull
Entries 60
Mean −11.62
Std Dev 55.18
pull1D
Entries 60
Mean 0.01519
Std Dev 1.179

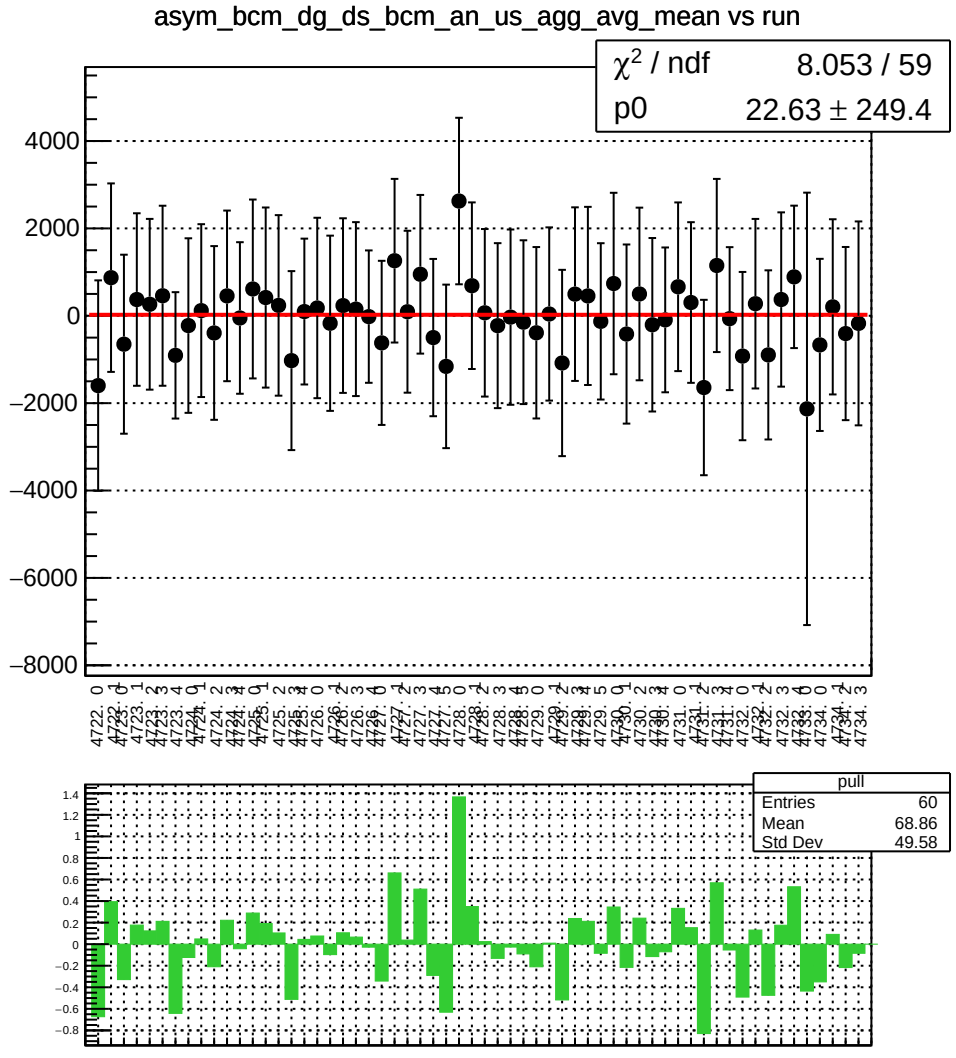

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.043e+05 / 59
p0 17.22 ± 0.0169
55
50
45
40
35
30
25
20
15

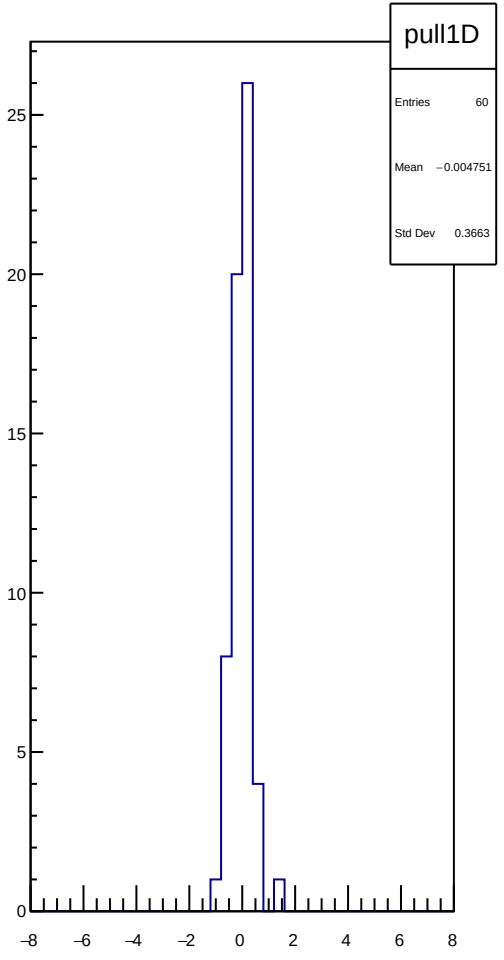

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.364 / 57
p0 45.01 ± 250.4
pull
Entries 58
Mean 41.72
Std Dev 67.5
pull1D
Entries 58
Mean −0.003508
Std Dev 0.4018

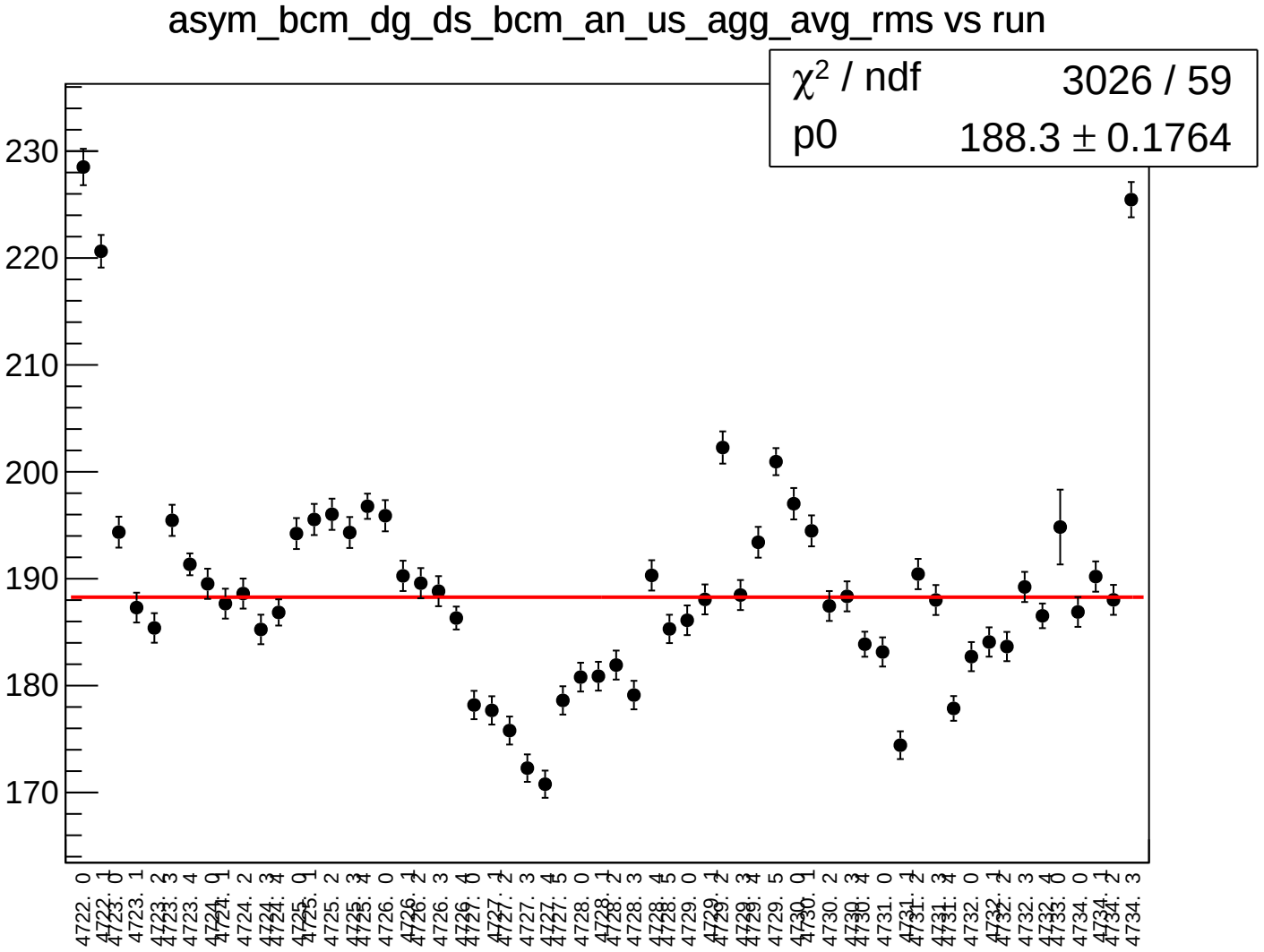

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1945 / 57
p0 185.8 ± 0.1771
230
220
210
200
190
180
170

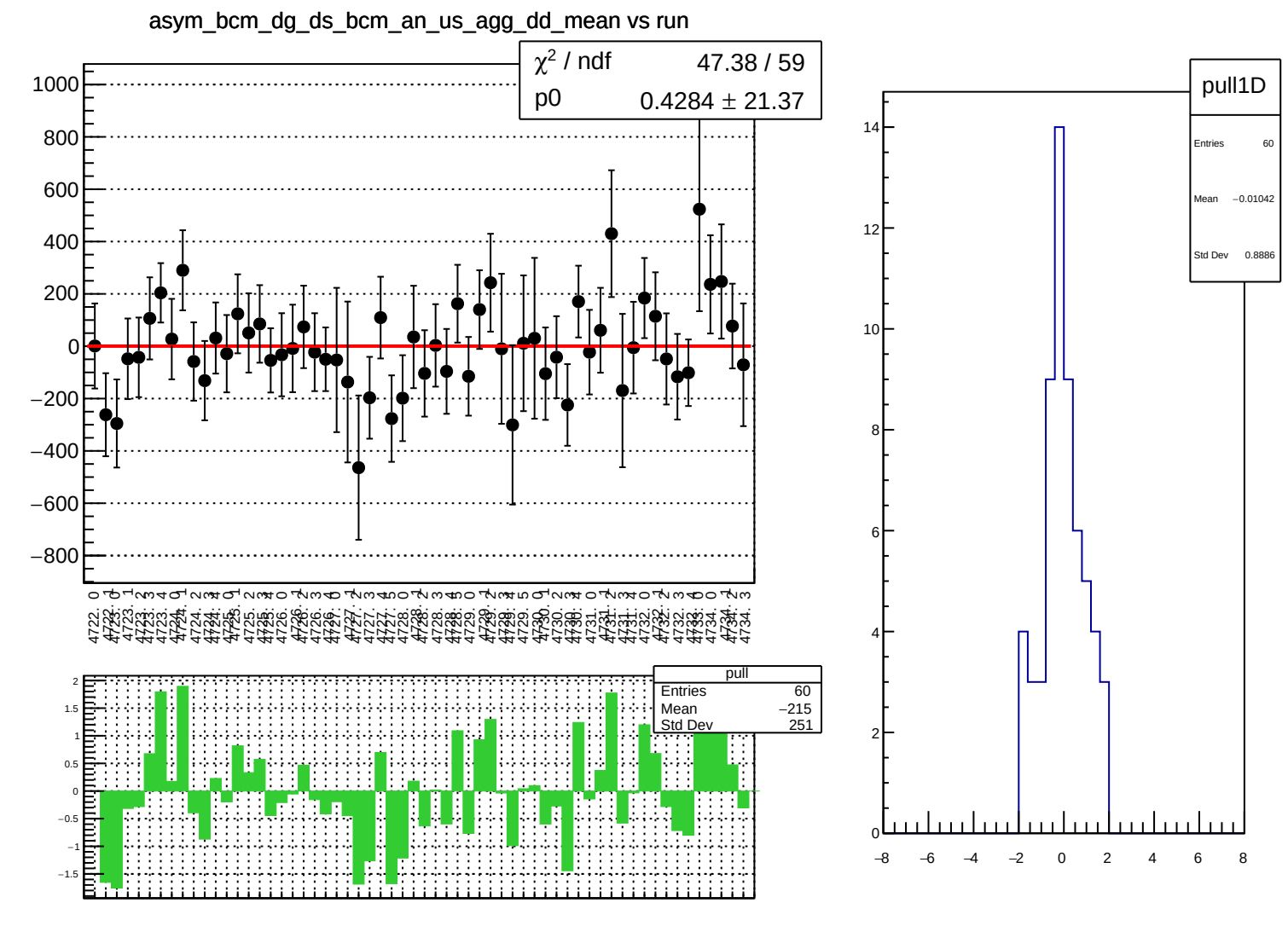

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 68.29 / 57
p0 6.663 ± 33.61
1000
500
0
−500
−1000
pull
Entries 58
Mean 240.9
Std Dev 207.3
pull1D
Entries 58
Mean 0.01658
Std Dev 1.085

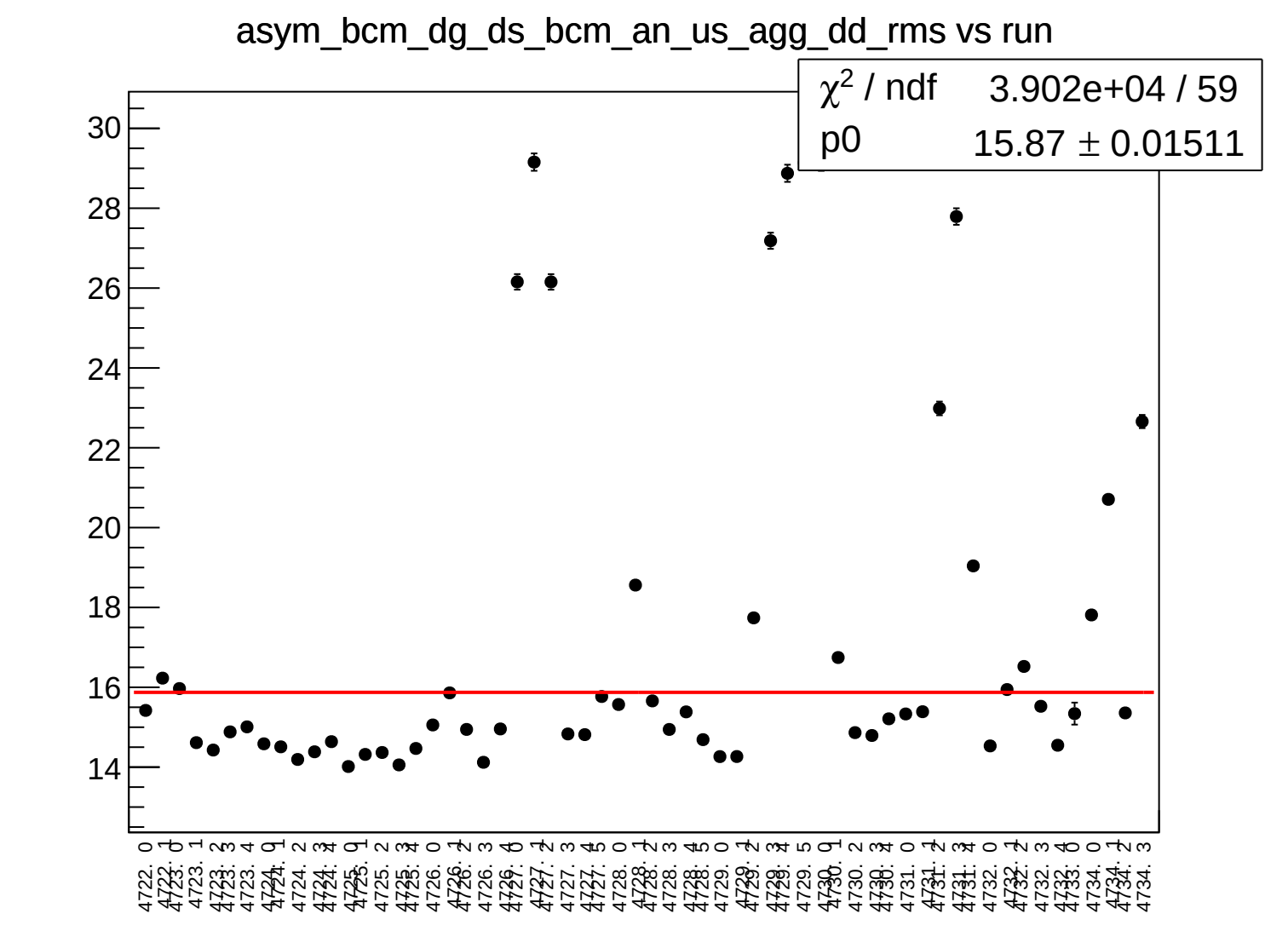

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1.31e+04 / 57
p0 24.81 ± 0.02376
36
34
32
30
28
26
24
22
20
18
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

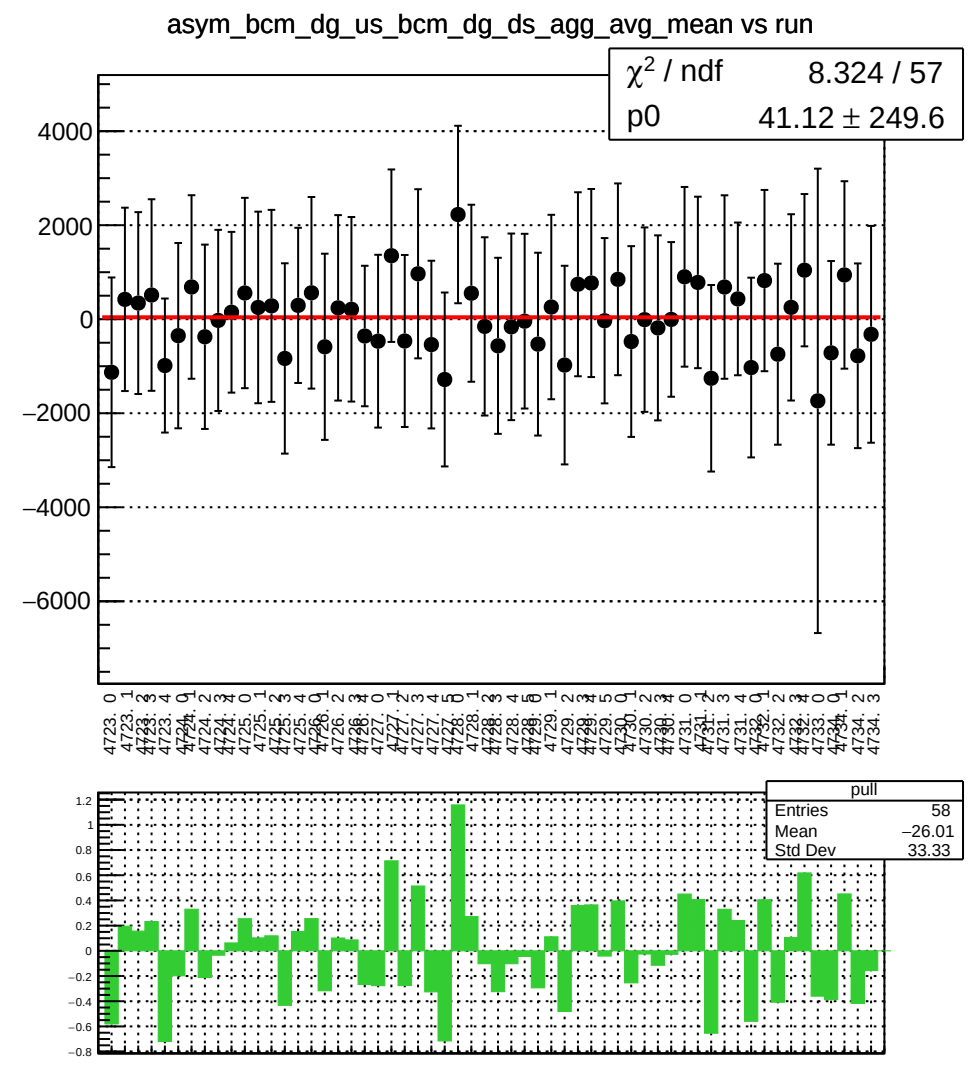

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 8.053 / 59
p0 22.63 ± 249.4
pull
Entries 60
Mean 68.86
Std Dev 49.58

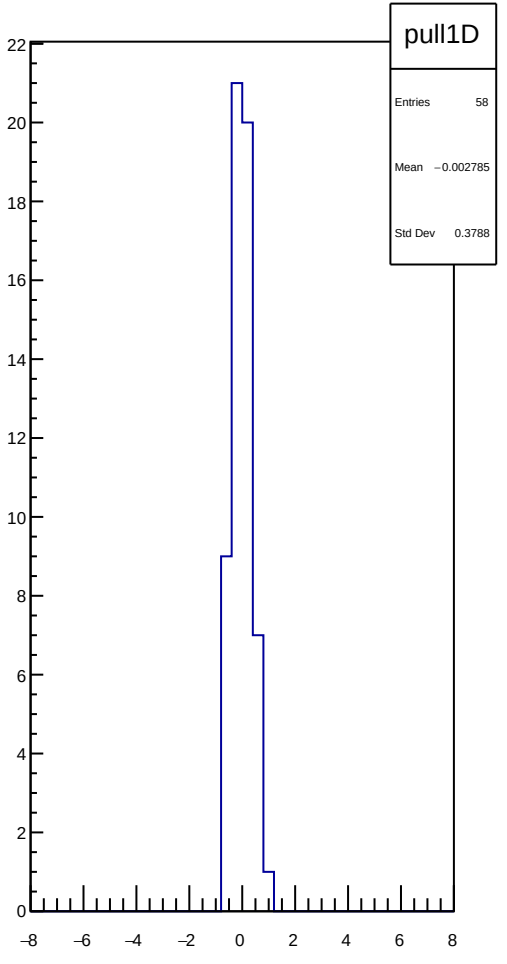

pull1D
Entries 60
Mean −0.004751
Std Dev 0.3663

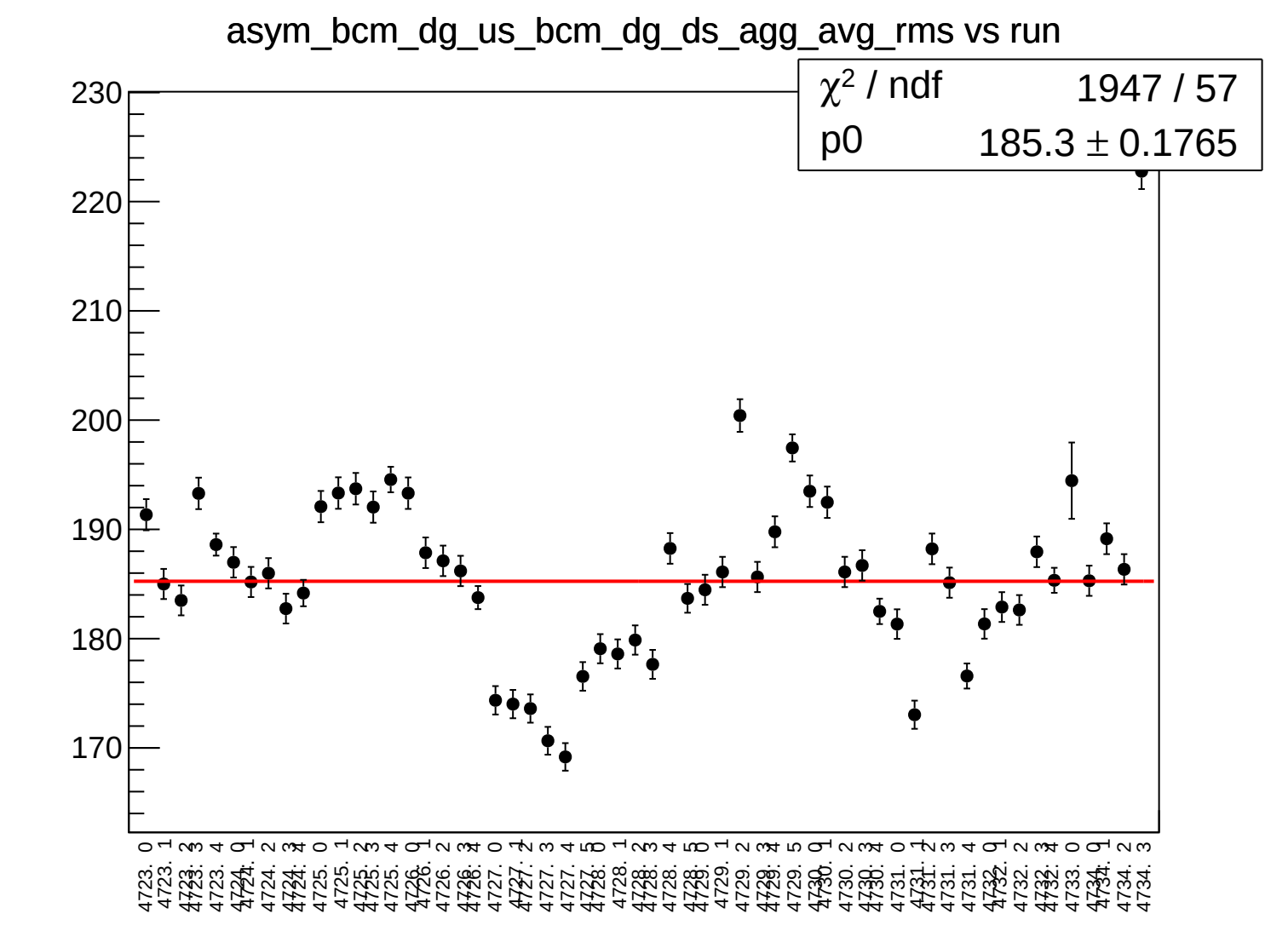

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3026 / 59
p0 188.3 ± 0.1764
230
220
210
200
190
180
170
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

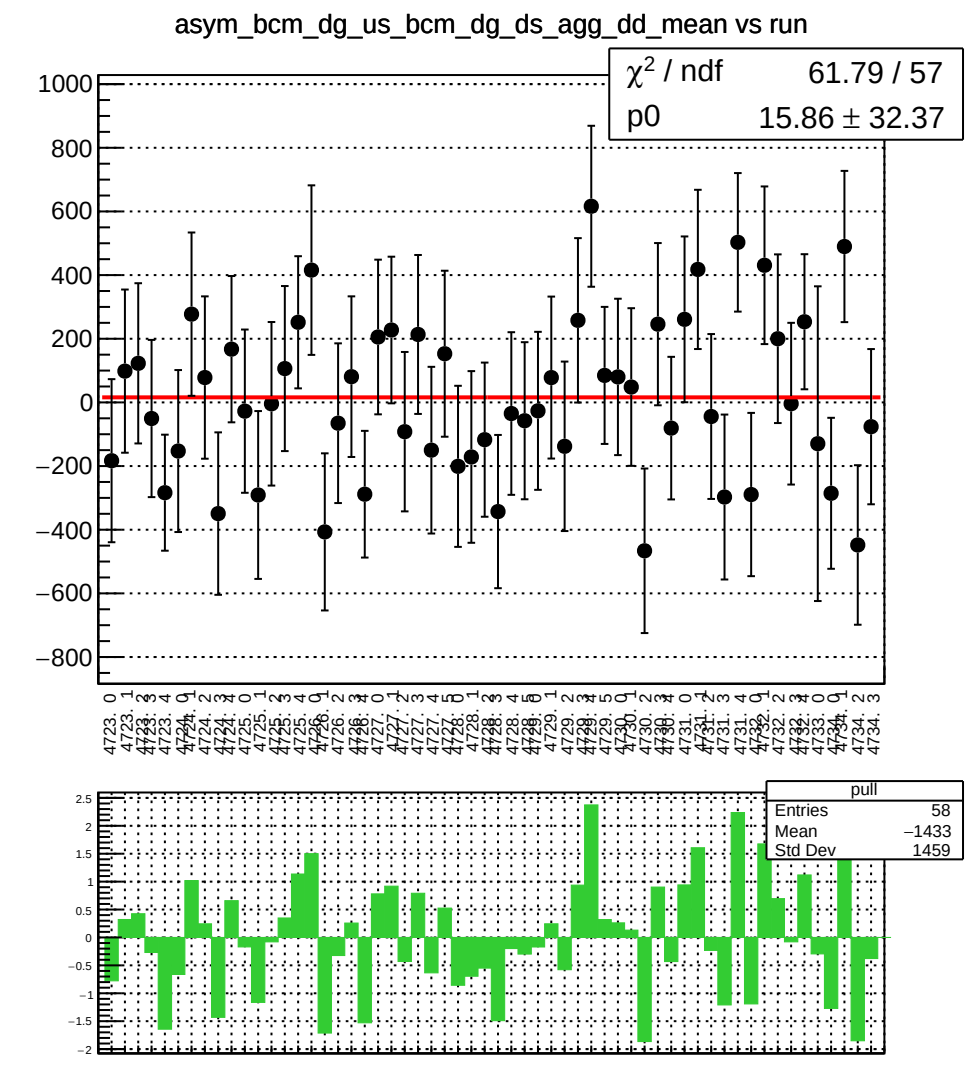

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 47.38 / 59
p0 0.4284 ± 21.37
pull
Entries 60
Mean −215
Std Dev 251
pull1D
Entries 60
Mean −0.01042
Std Dev 0.8886

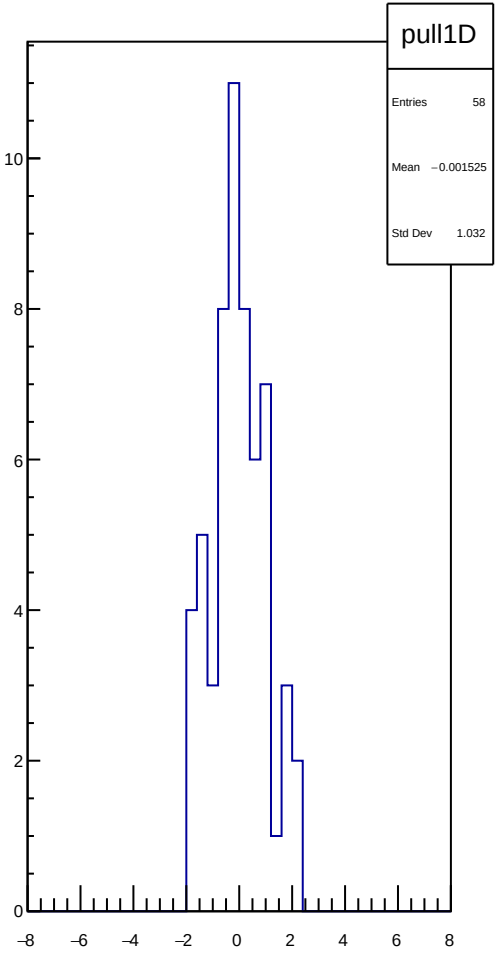

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3.902e+04 / 59
p0 15.87 ± 0.01511
30
28
26
24
22
20
18
16
14

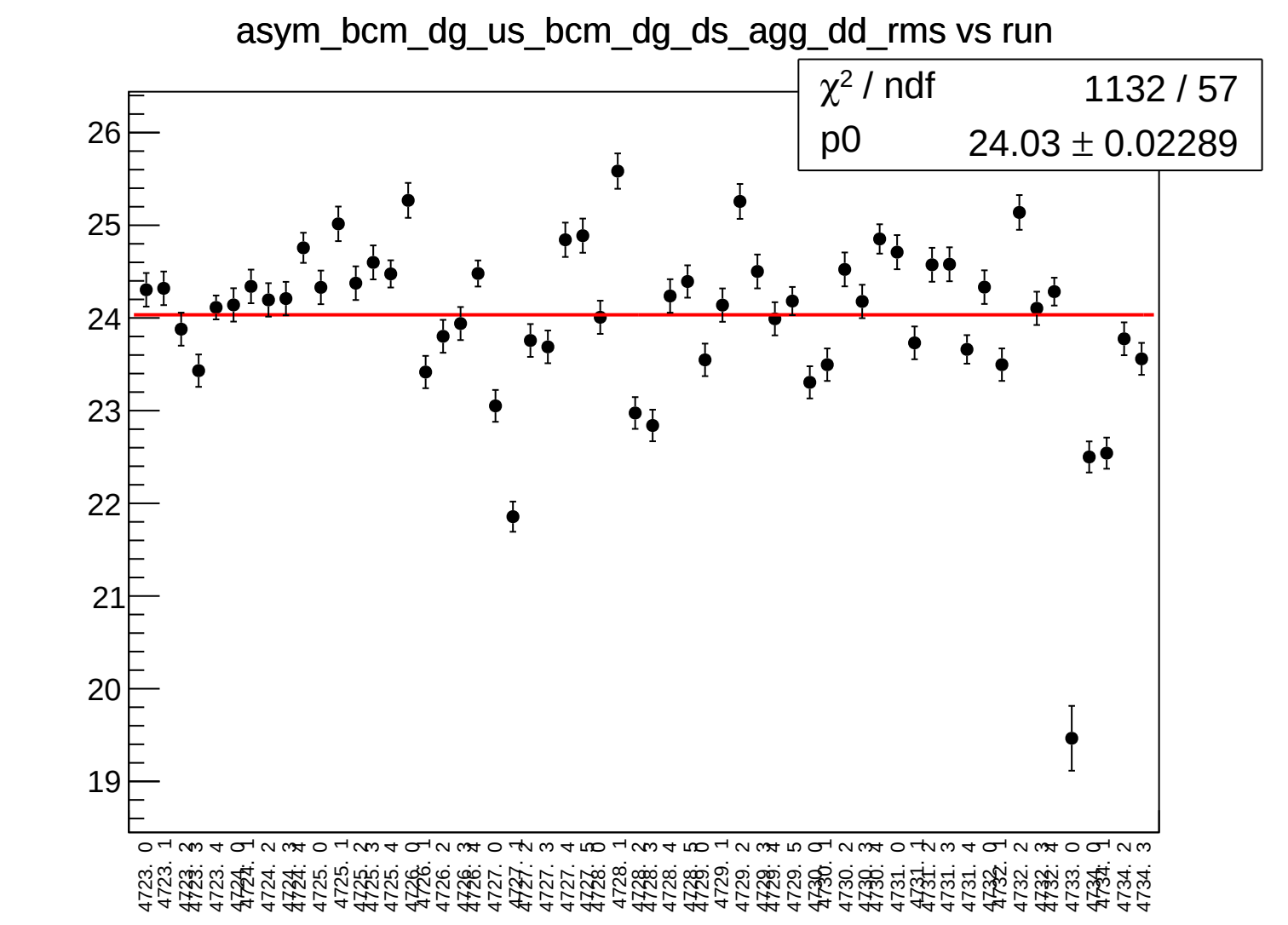

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 8.324 / 57
p0 41.12 ± 249.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 58
Mean −26.01
Std Dev 33.33
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

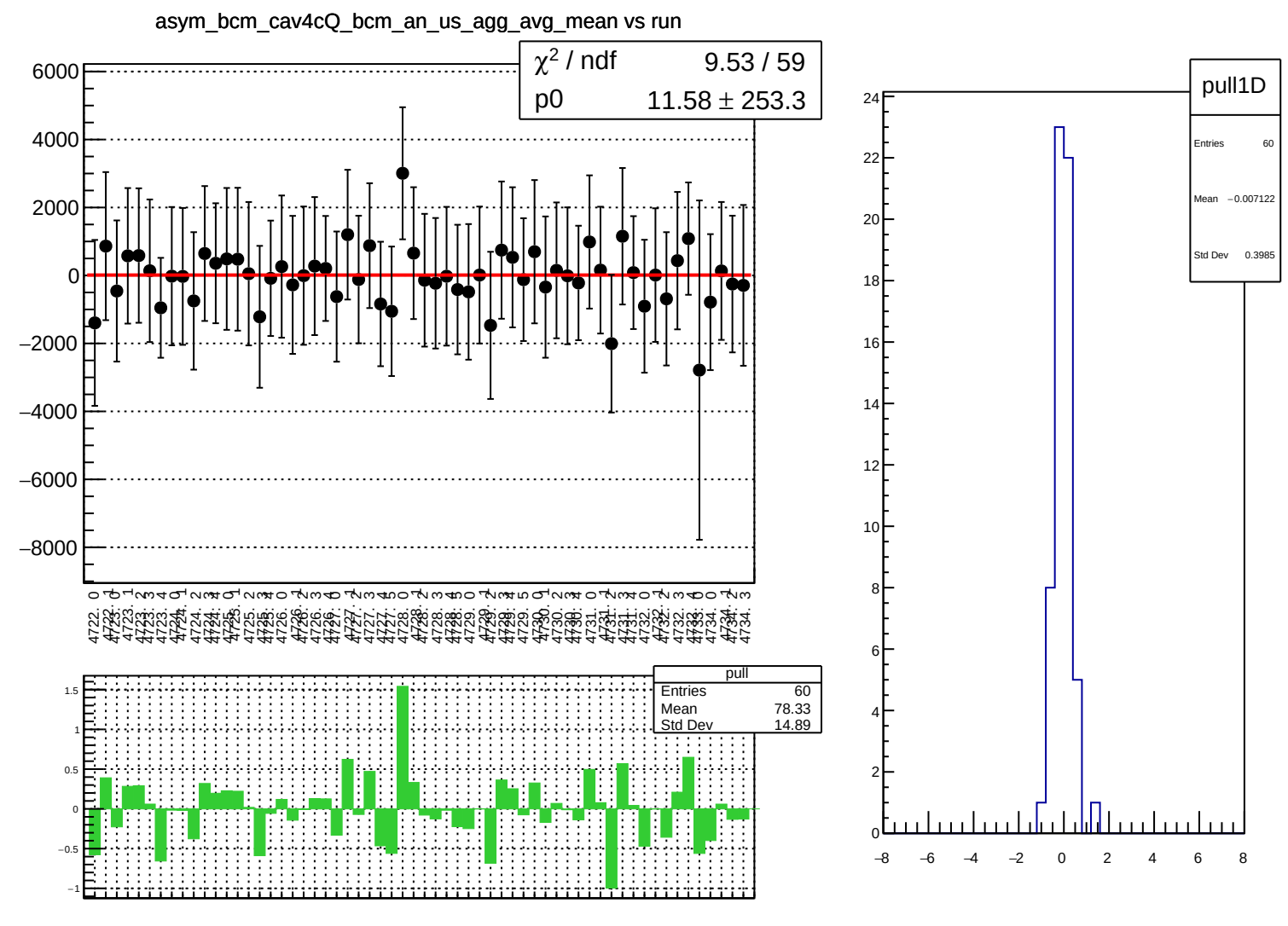

pull1D
Entries 58
Mean −0.002785
Std Dev 0.3788
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

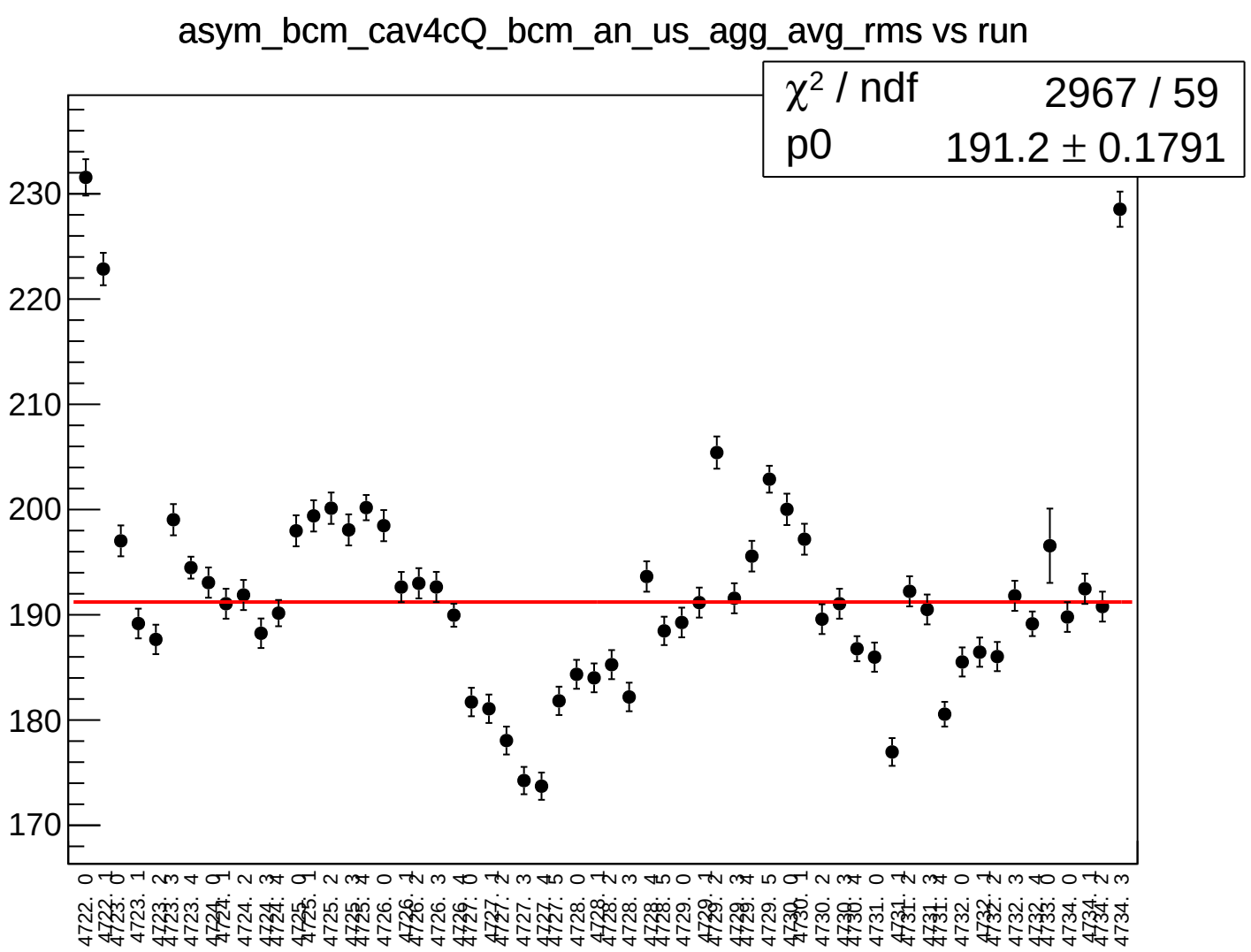

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1947 / 57
p0 185.3 ± 0.1765
230
220
210
200
190
180
170
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

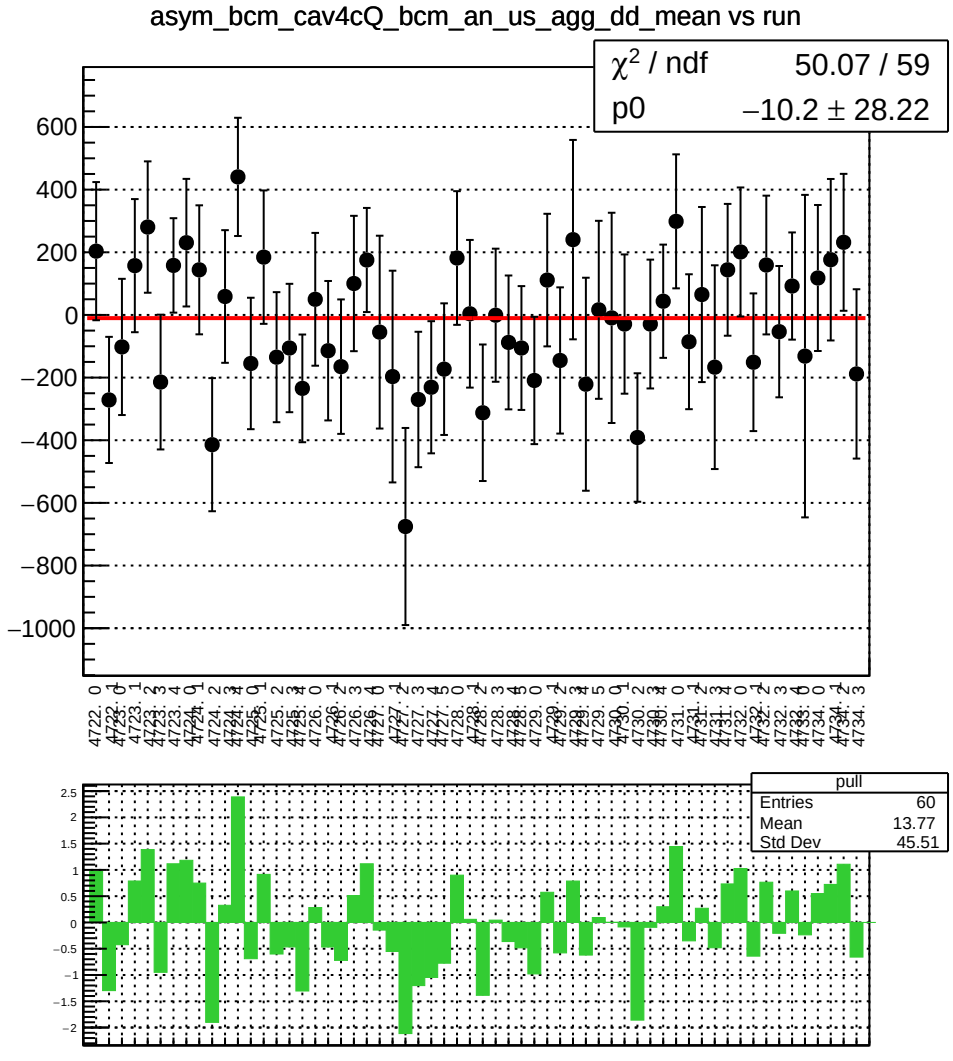

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 61.79 / 57
p0 15.86 ± 32.37
pull
Entries 58
Mean −1433
Std Dev 1459

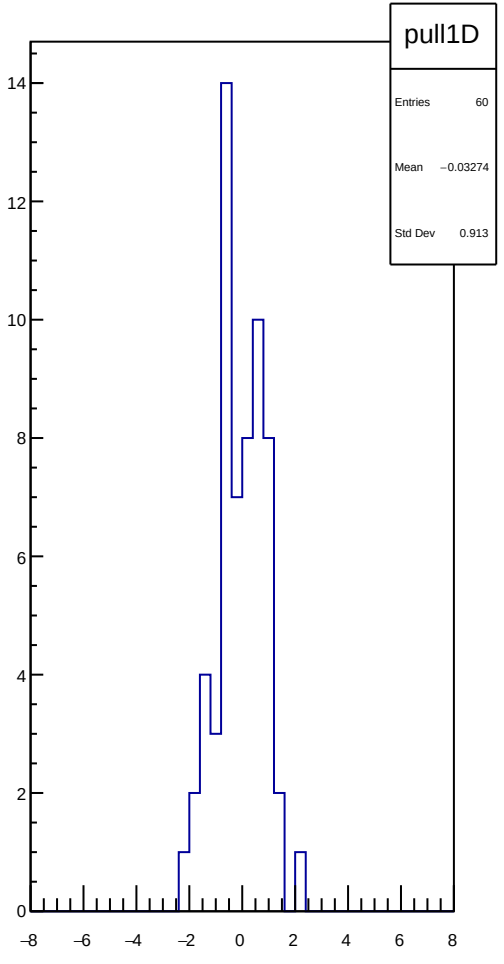

pull1D
Entries 58
Mean −0.001525
Std Dev 1.032

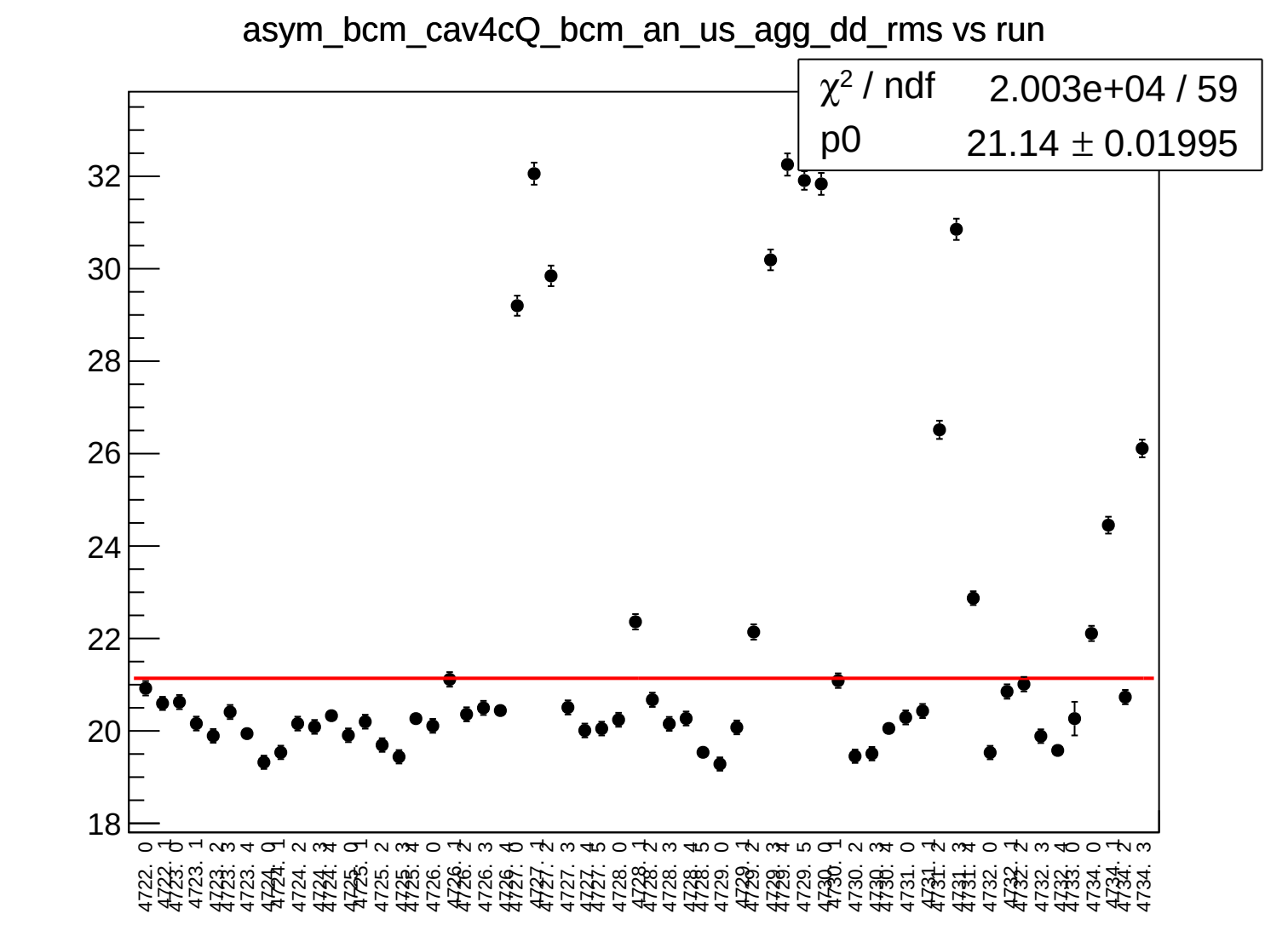

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1132 / 57
p0 24.03 ± 0.02289
26
25
24
23
22
21
20
19

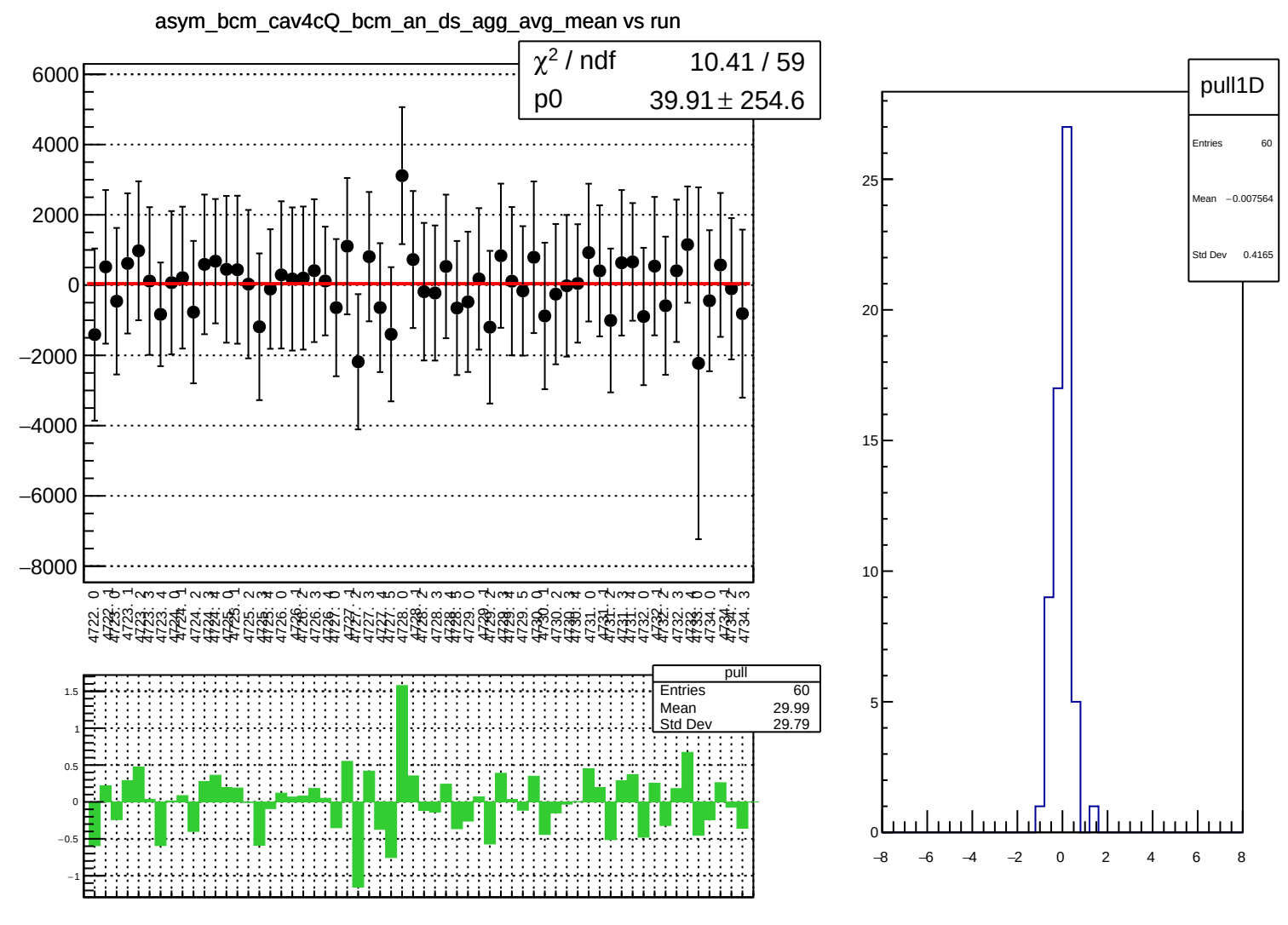

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 9.53 / 59
p0 11.58 ± 253.3
pull
Entries 60
Mean 78.33
Std Dev 14.89
pull1D
Entries 60
Mean −0.007122
Std Dev 0.3985

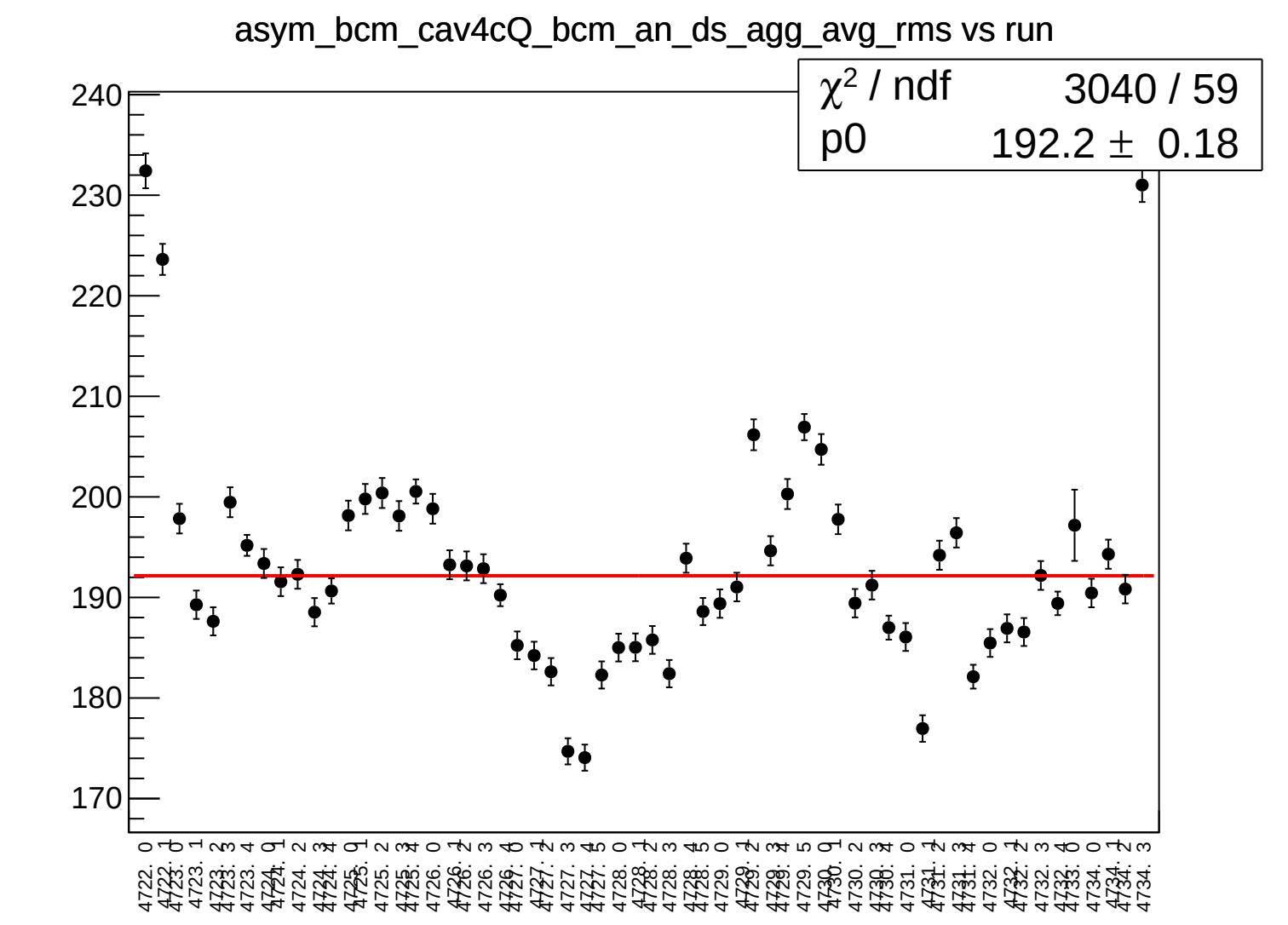

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2967 / 59
p0 191.2 ± 0.1791
230
220
210
200
190
180
170
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

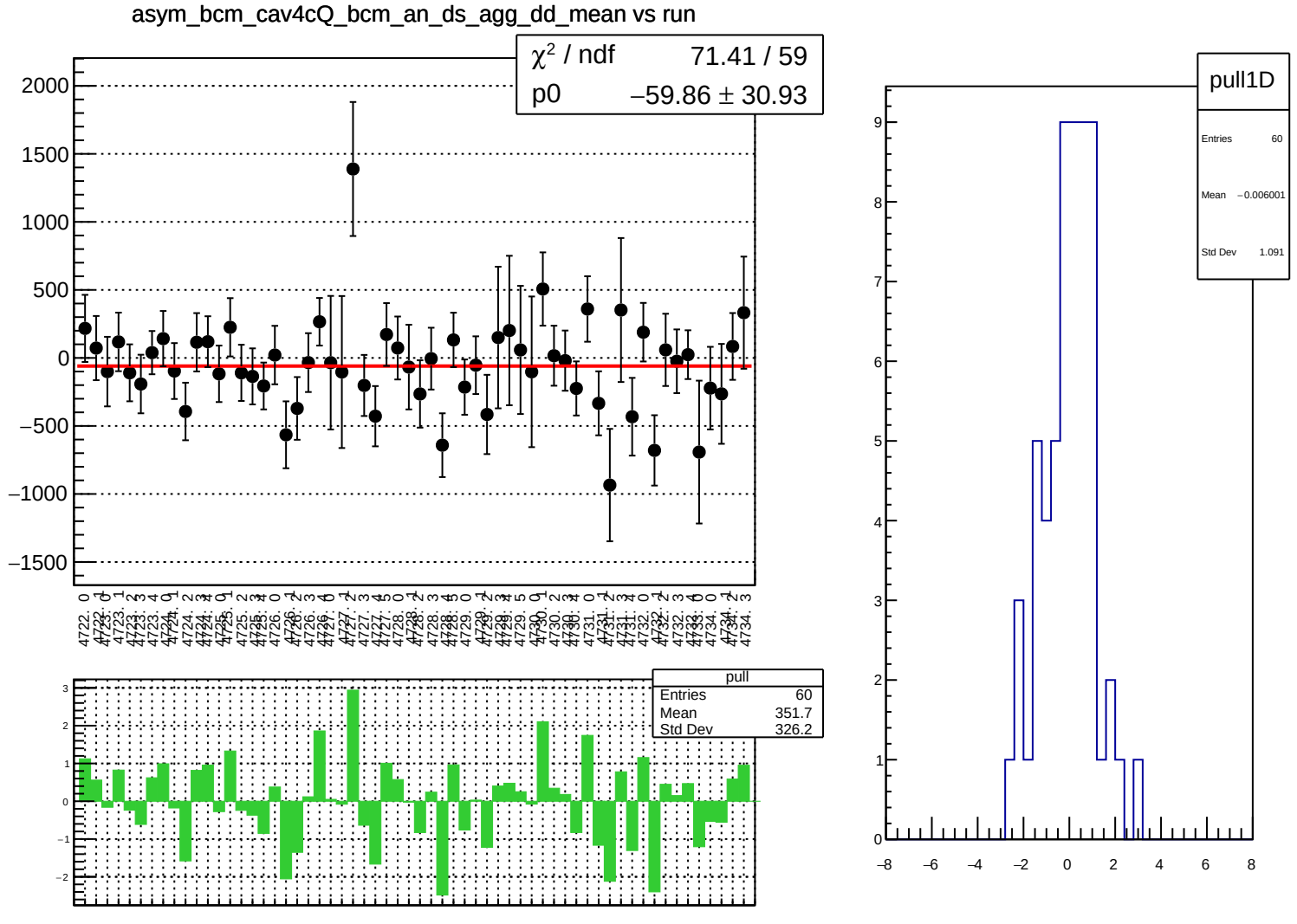

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 50.07 / 59
p0 −10.2 ± 28.22
pull
Entries 60
Mean 13.77
Std Dev 45.51

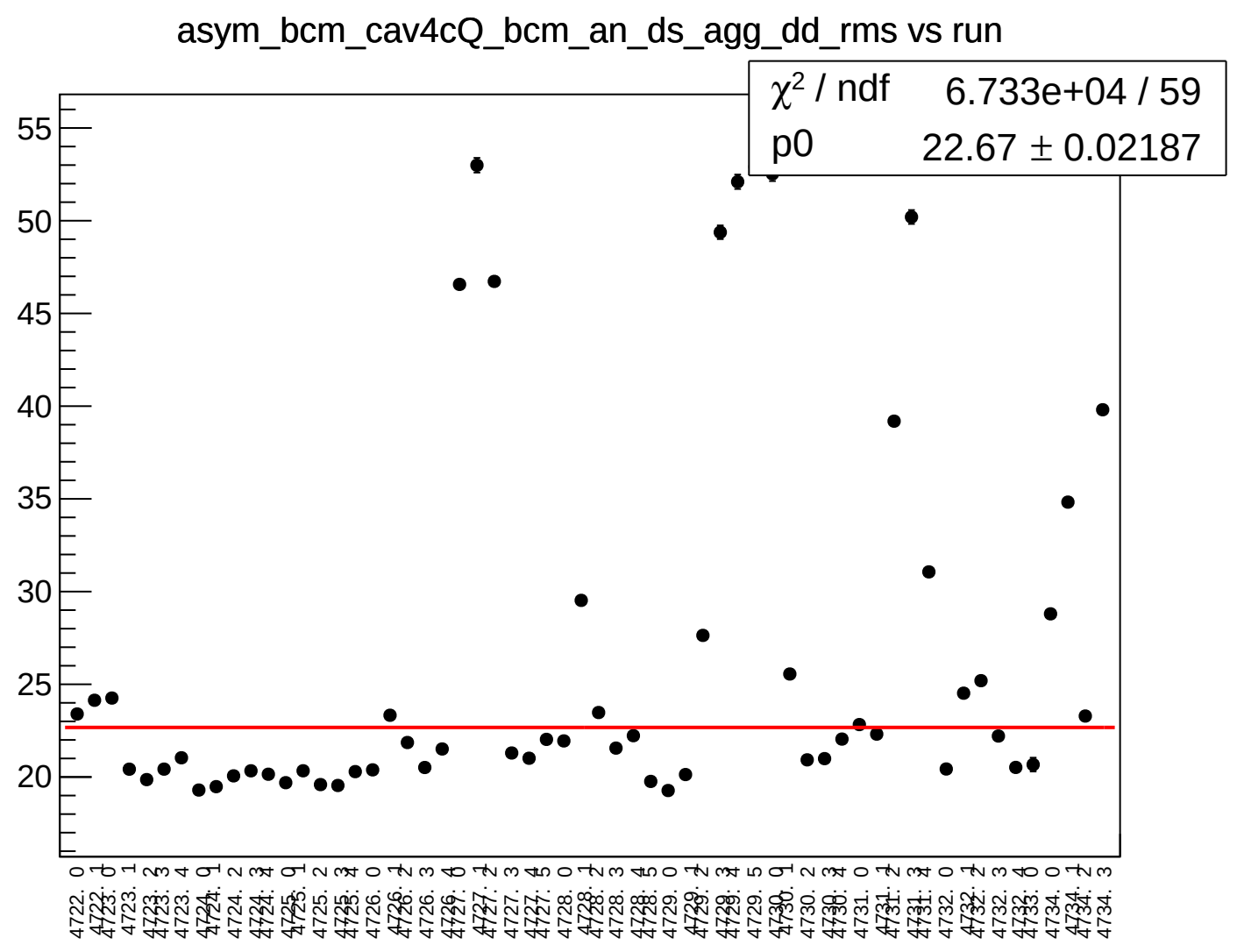

pull1D
Entries 60
Mean −0.03274
Std Dev 0.913

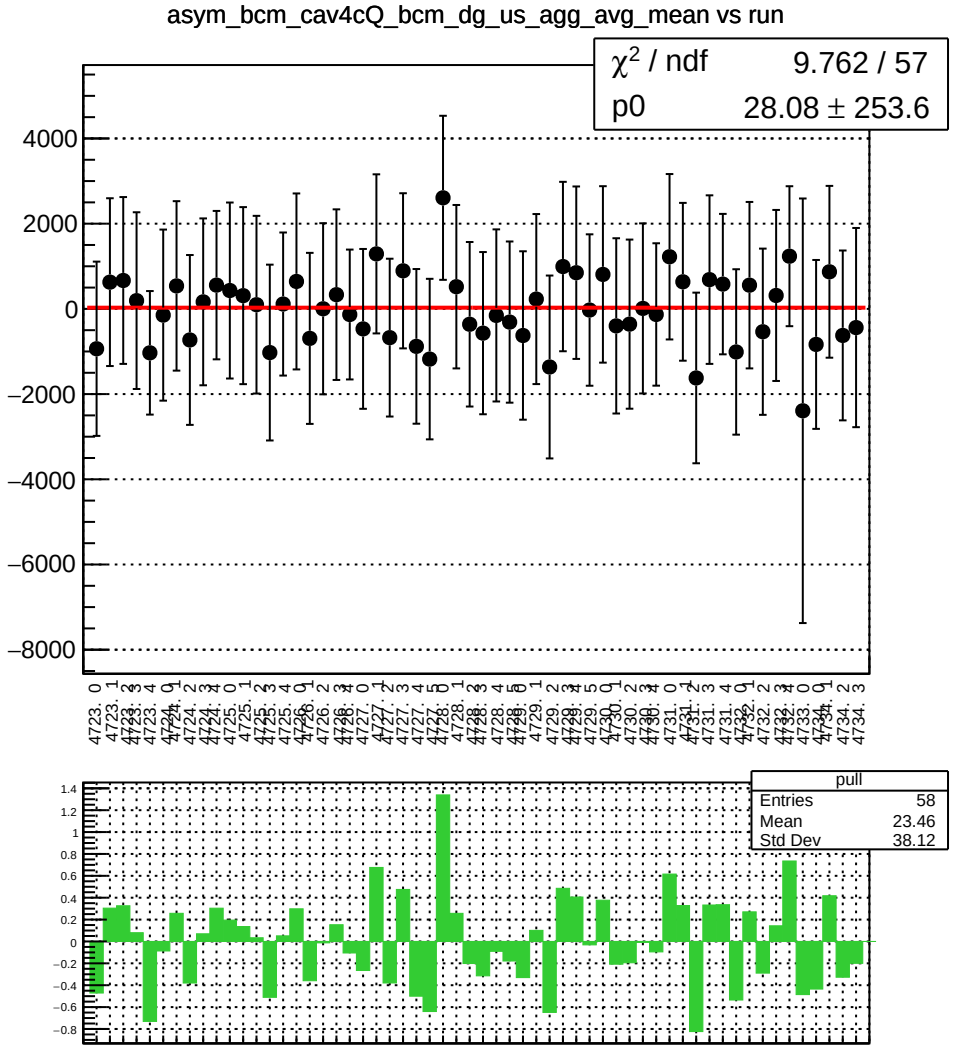

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2.003e+04 / 59
p0 21.14 ± 0.01995
32
30
28
26
24
22
20
18
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

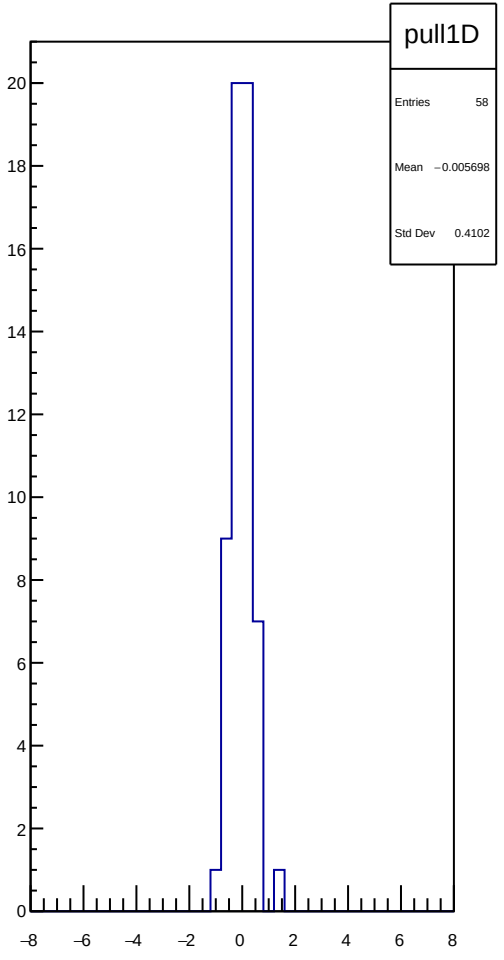

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.41 / 59
p0 39.91 ± 254.6
pull
Entries 60
Mean 29.99
Std Dev 29.79
pull1D
Entries 60
Mean −0.007564
Std Dev 0.4165

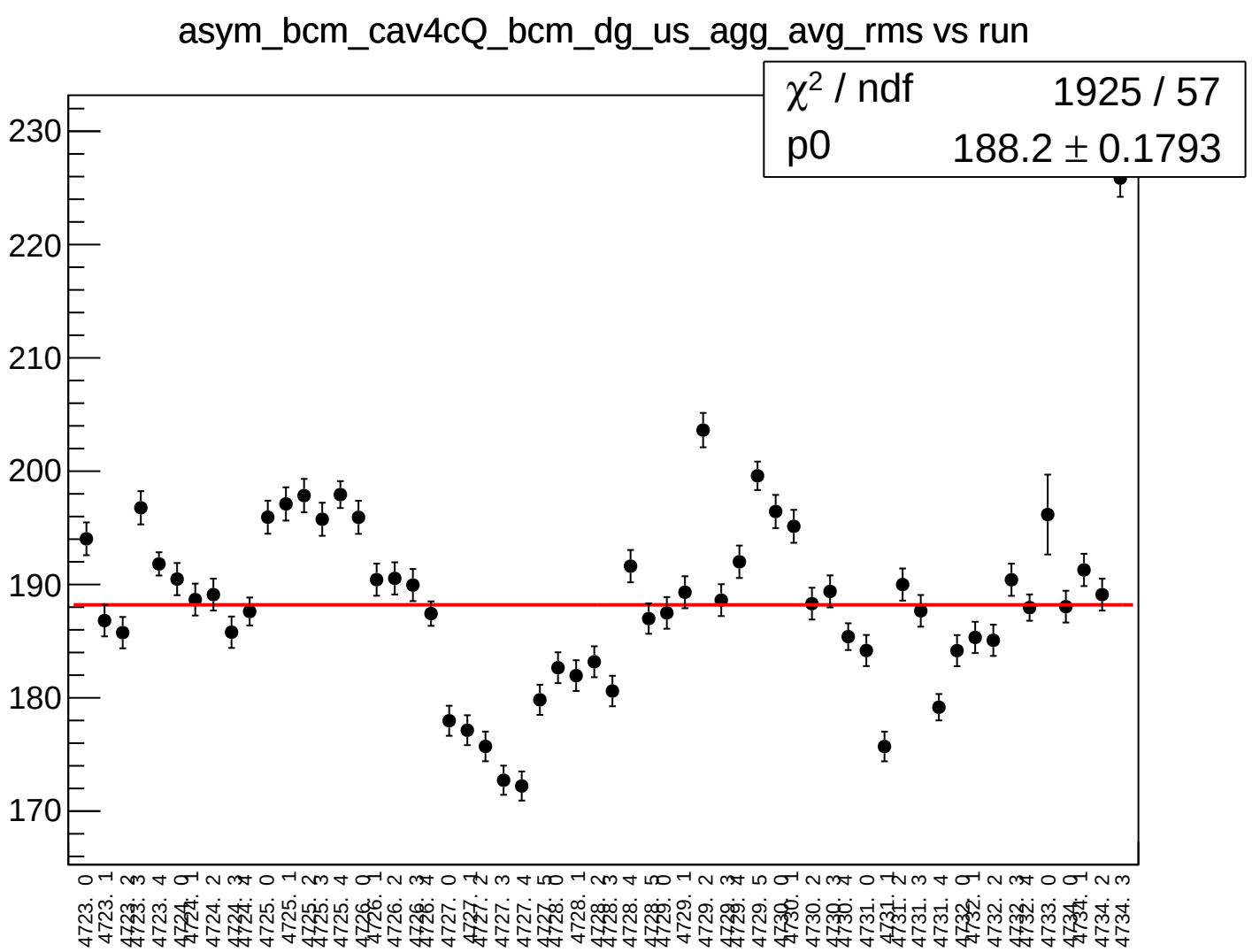

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3040 / 59
p0 192.2 ± 0.18
240
230
220
210
200
190
180
170

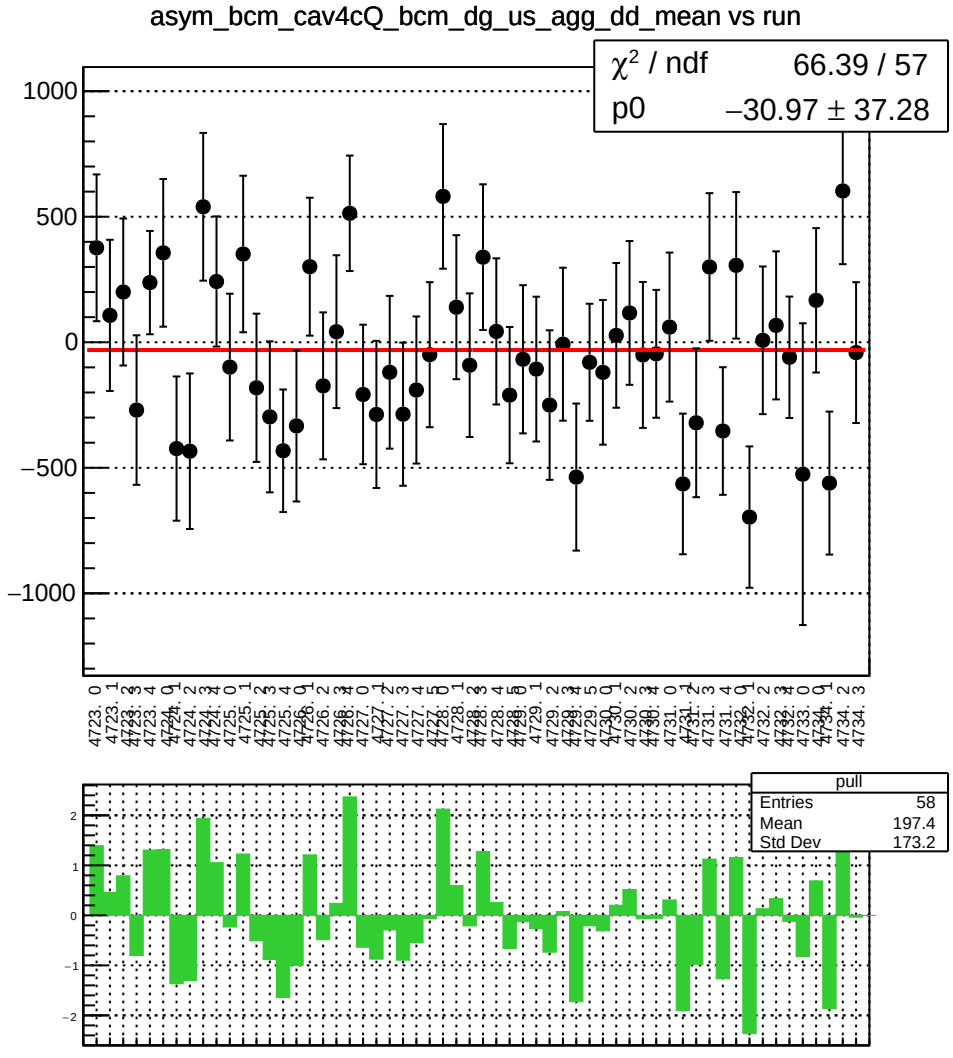

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 71.41 / 59
p0 −59.86 ± 30.93
pull
Entries 60
Mean 351.7
Std Dev 326.2
pull1D
Entries 60
Mean −0.006001
Std Dev 1.091

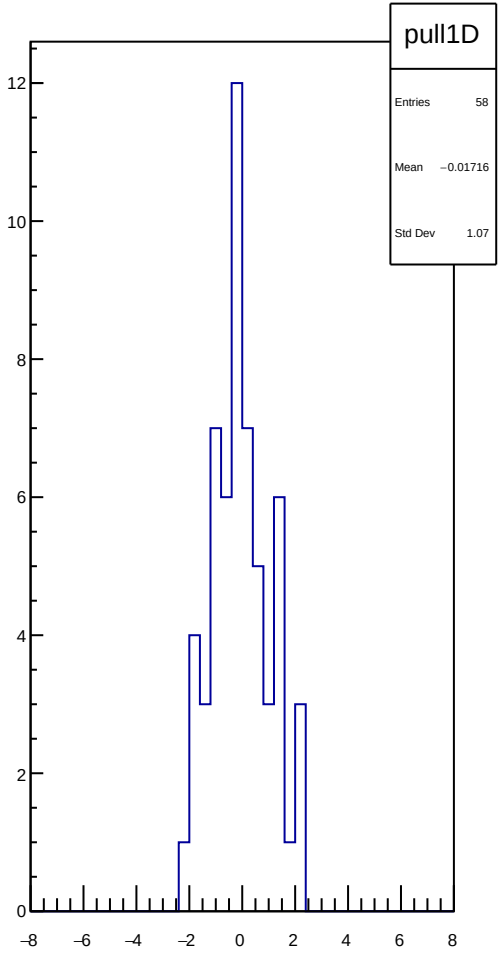

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 6.733e+04 / 59
p0 22.67 ± 0.02187
55
50
45
40
35
30
25
20
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

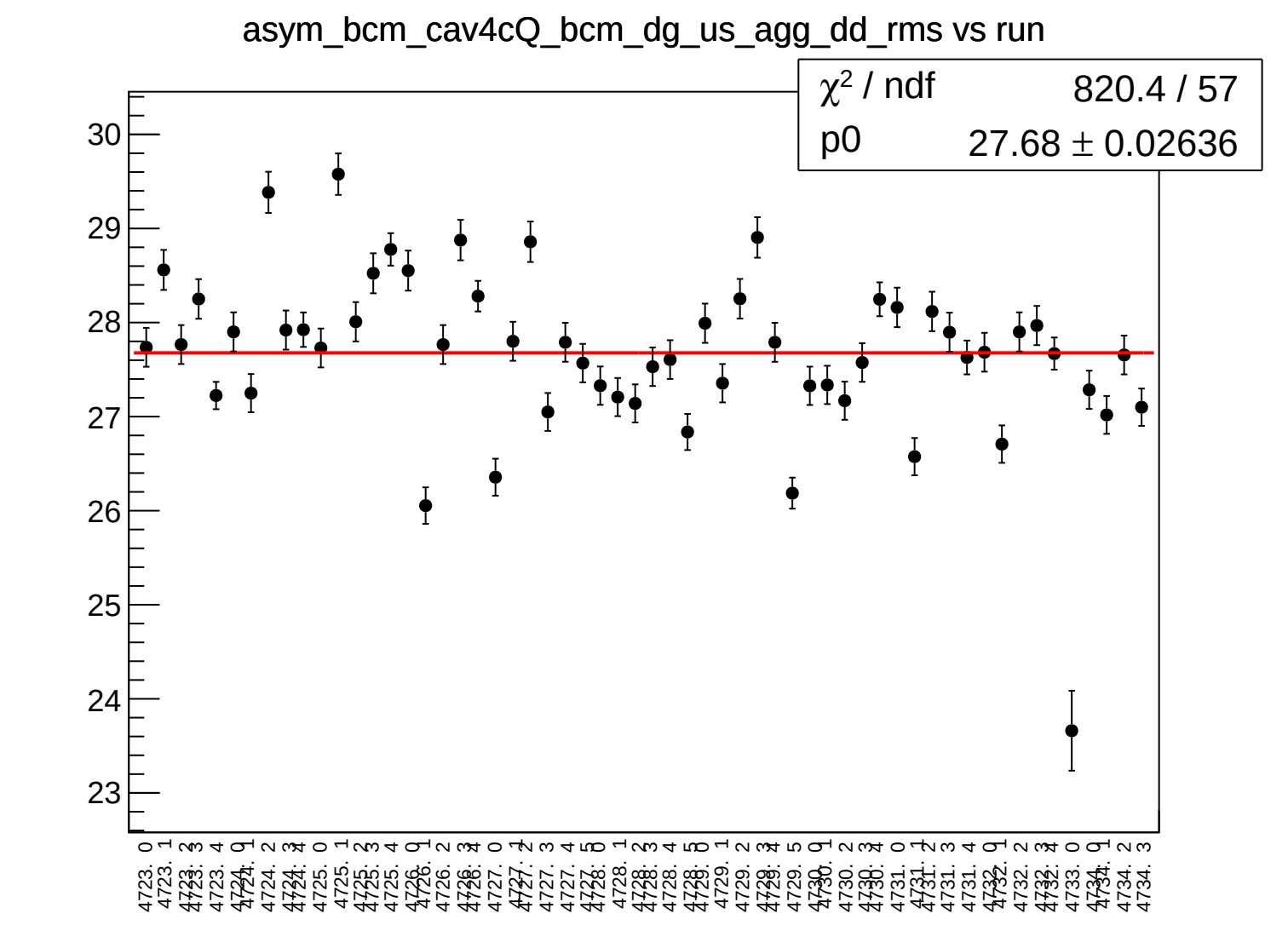

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 9.762 / 57
p0 28.08 ± 253.6
pull
Entries 58
Mean 23.46
Std Dev 38.12

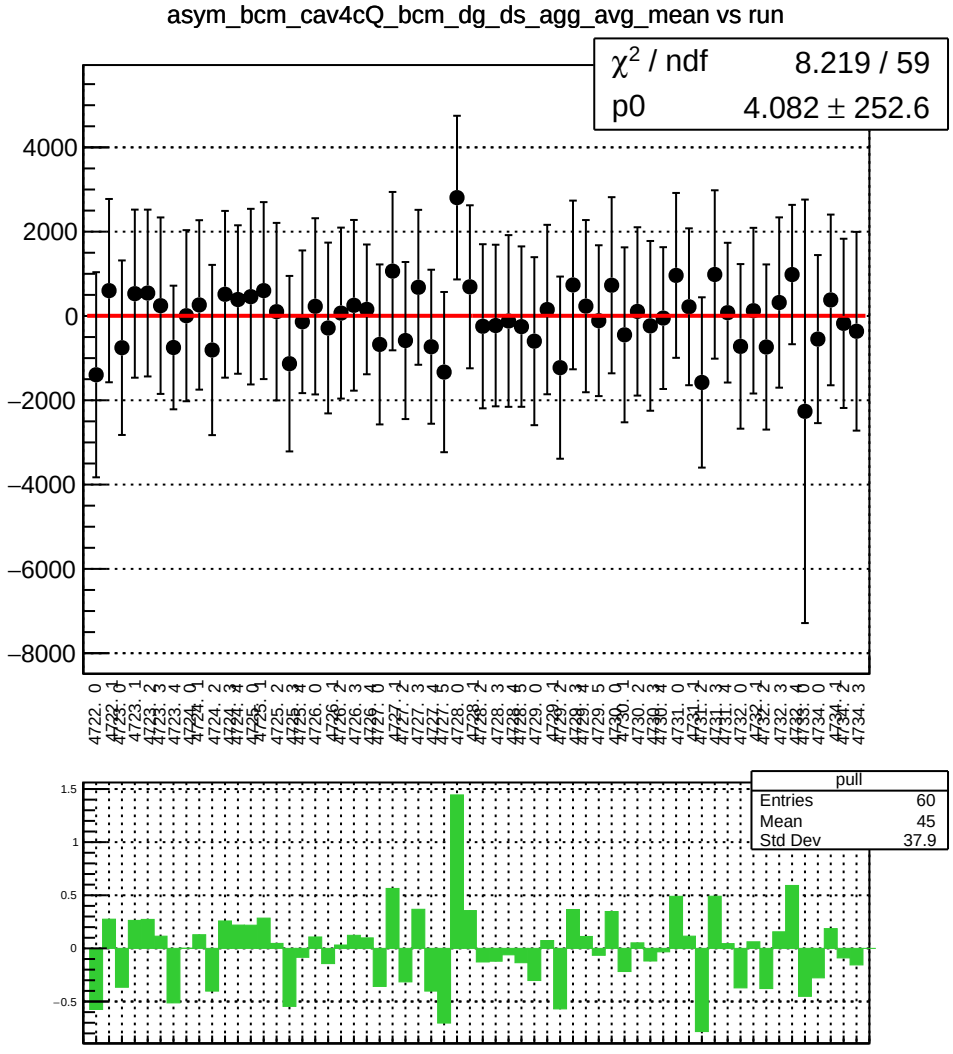

pull1D
Entries 58
Mean −0.005698
Std Dev 0.4102

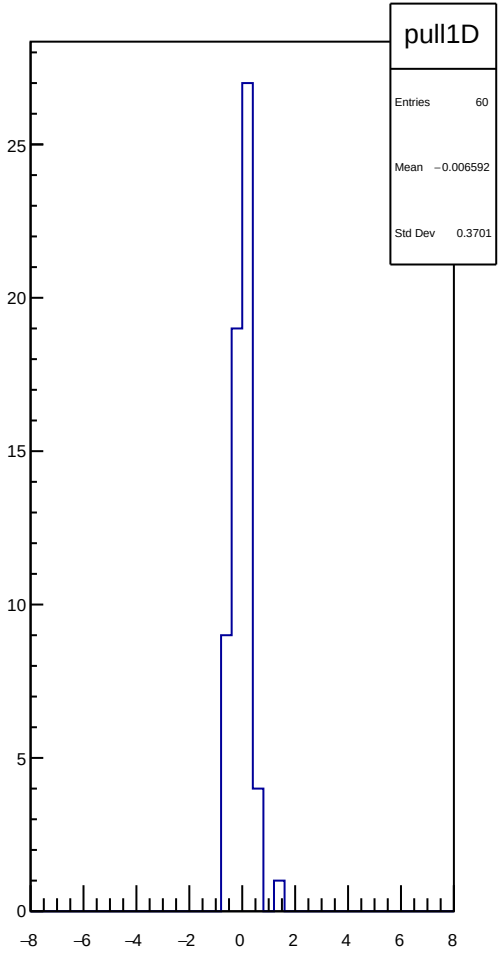

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1925 / 57
p0 188.2 ± 0.1793
230
220
210
200
190
180
170

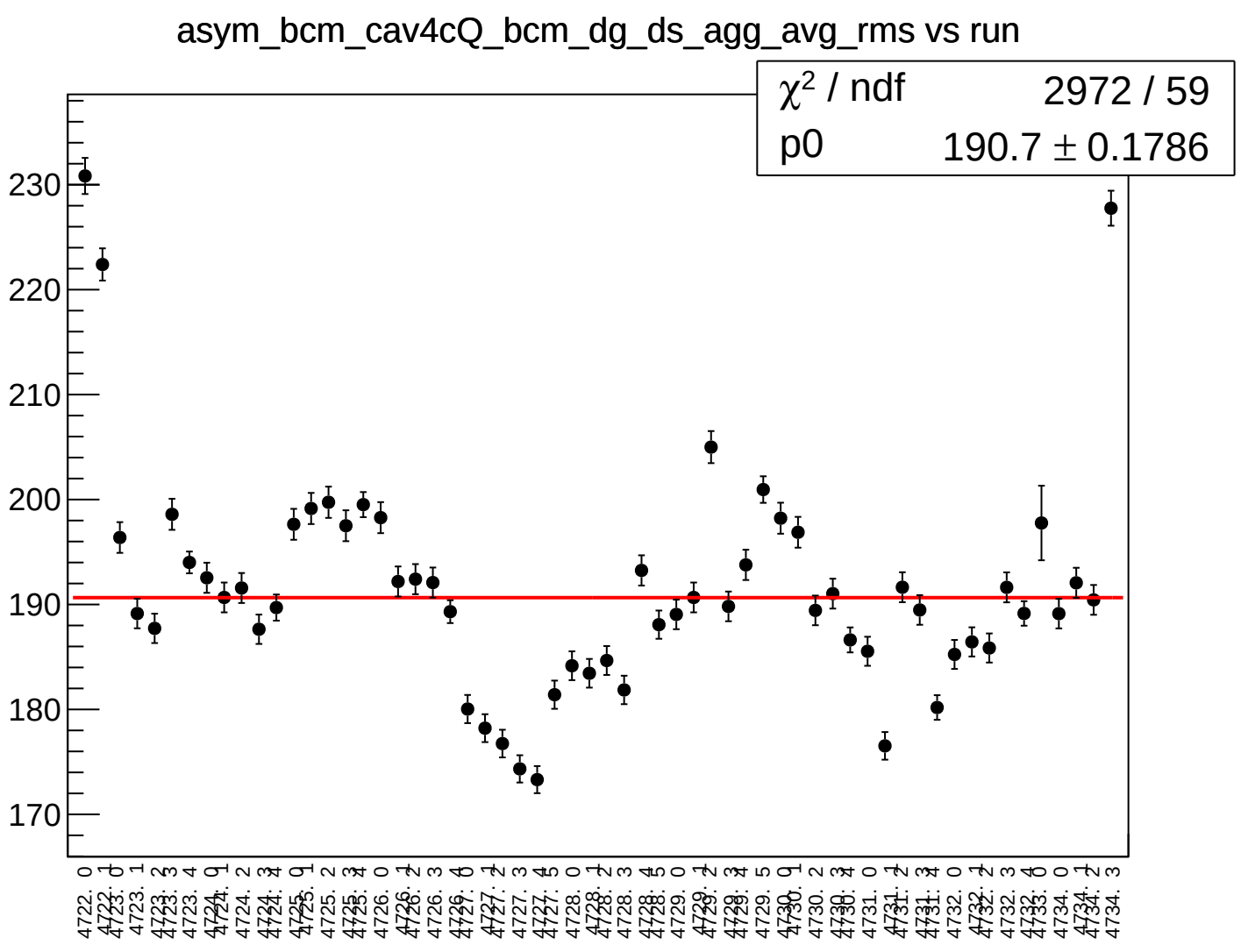

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 66.39 / 57
p0 −30.97 ± 37.28
1000
500
0
−500
−1000
pull
Entries 58
Mean 197.4
Std Dev 173.2
2
1
0
−1
−2

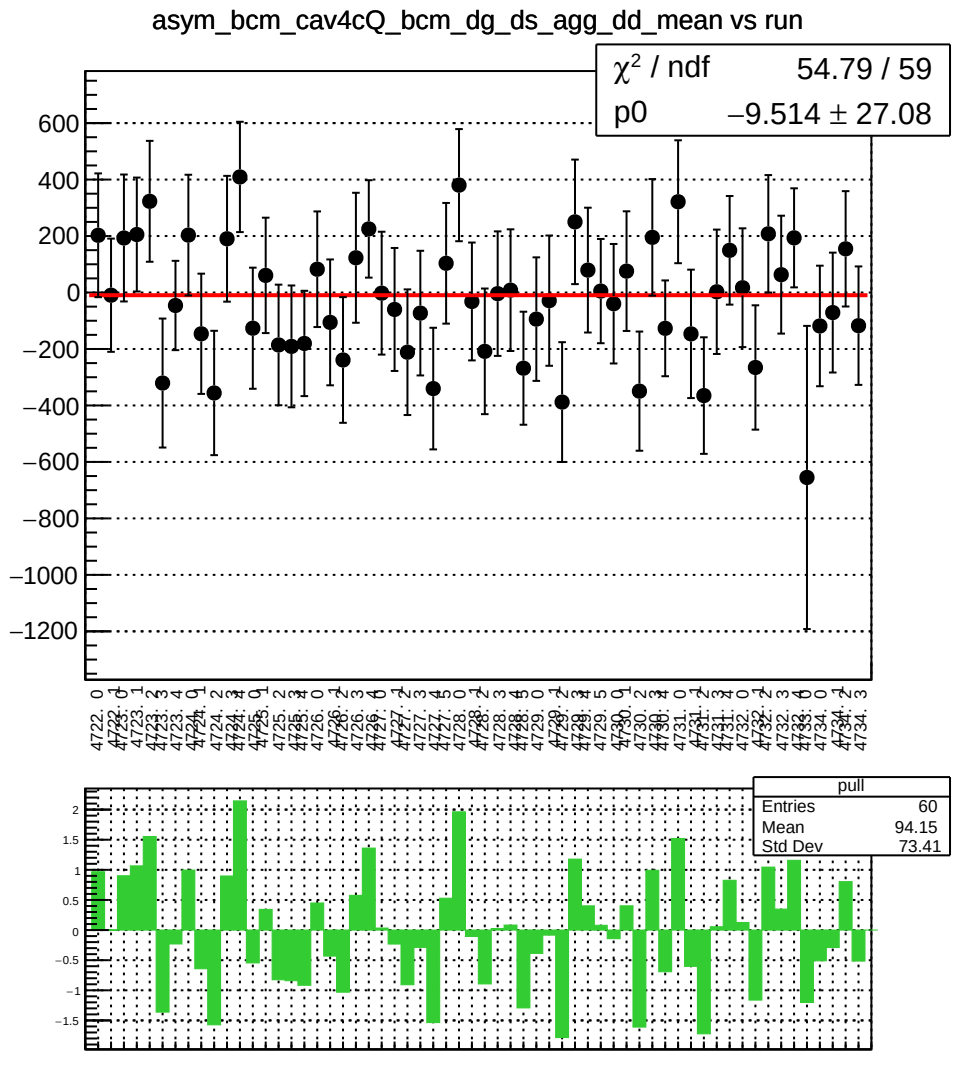

pull1D
Entries 58
Mean −0.01716
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

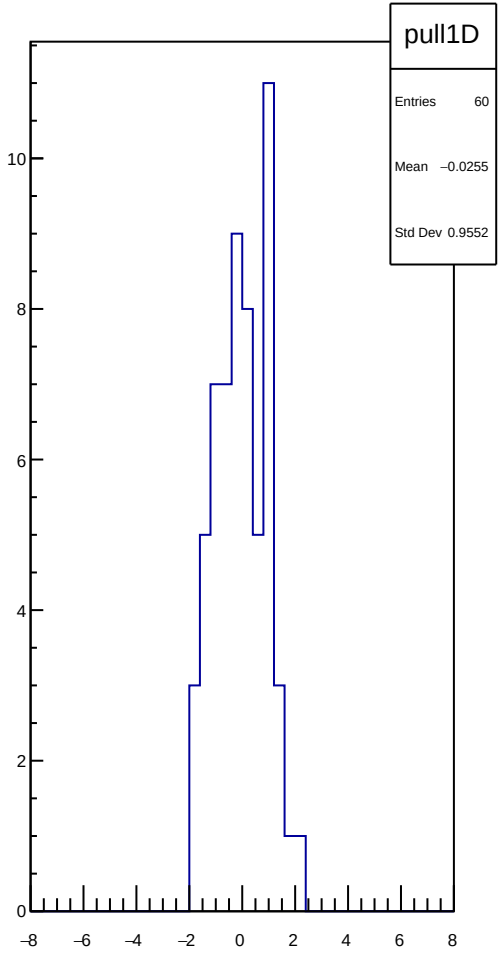

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 820.4 / 57
p0 27.68 ± 0.02636
30
29
28
27
26
25
24
23

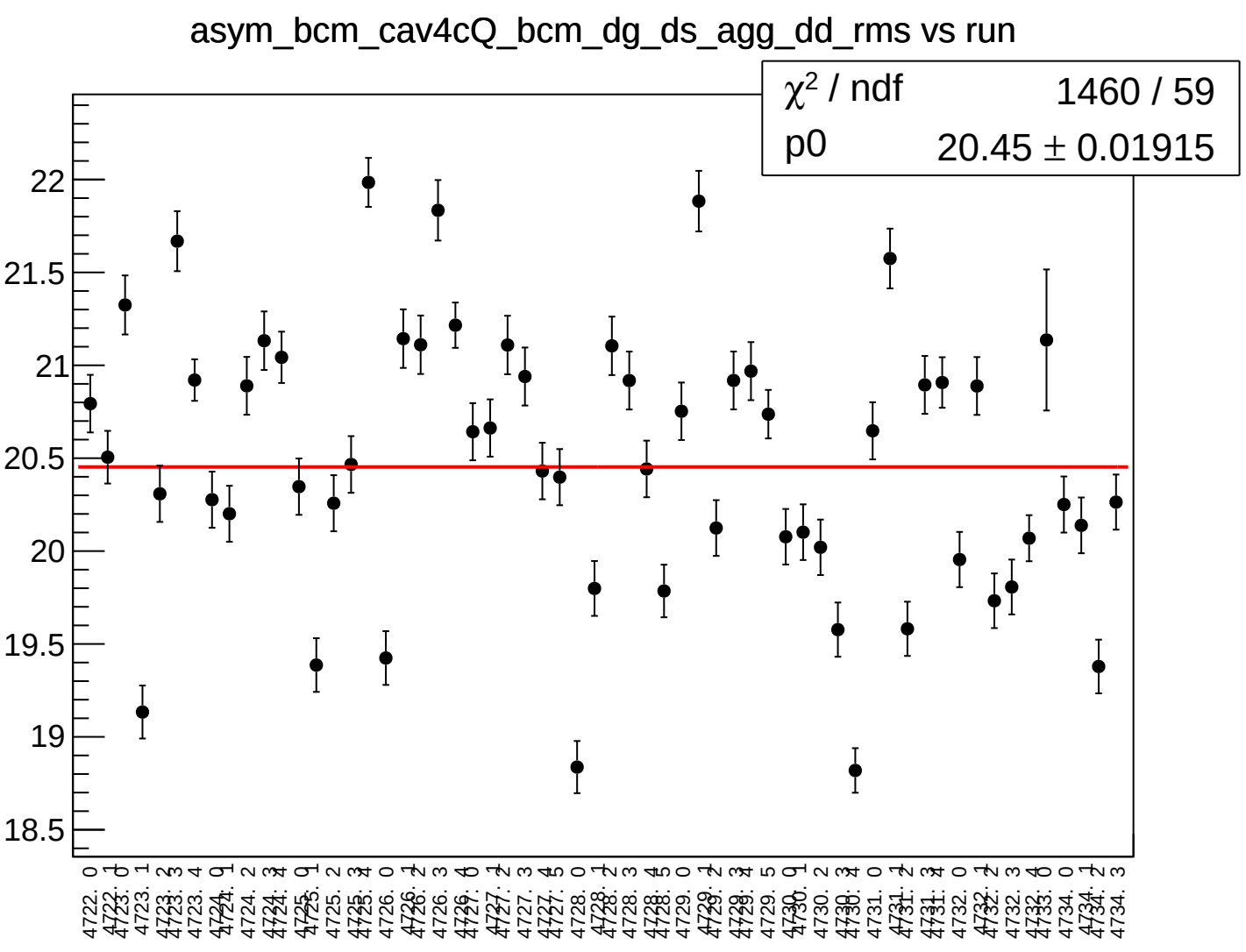

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 8.219 / 59
p0 4.082 ± 252.6
pull
Entries 60
Mean 45
Std Dev 37.9

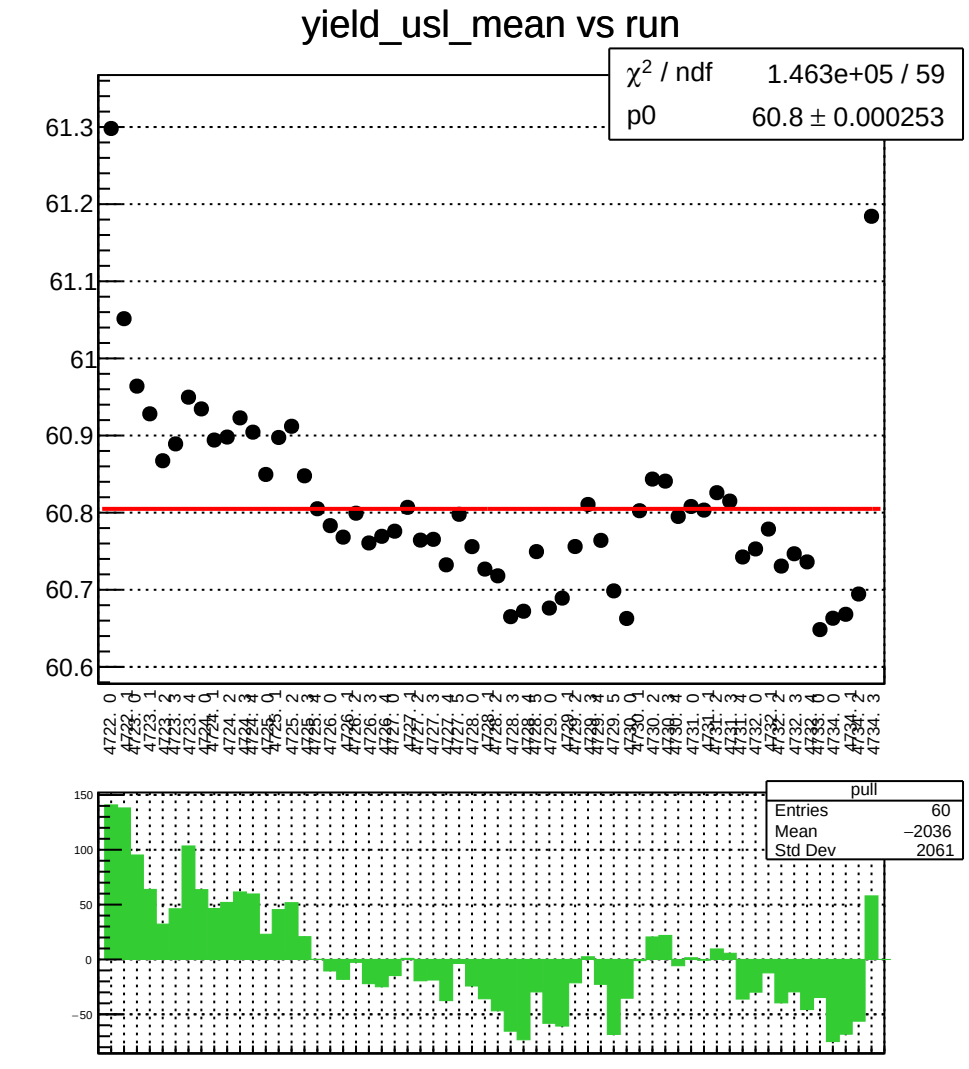

pull1D
Entries 60
Mean −0.006592
Std Dev 0.3701

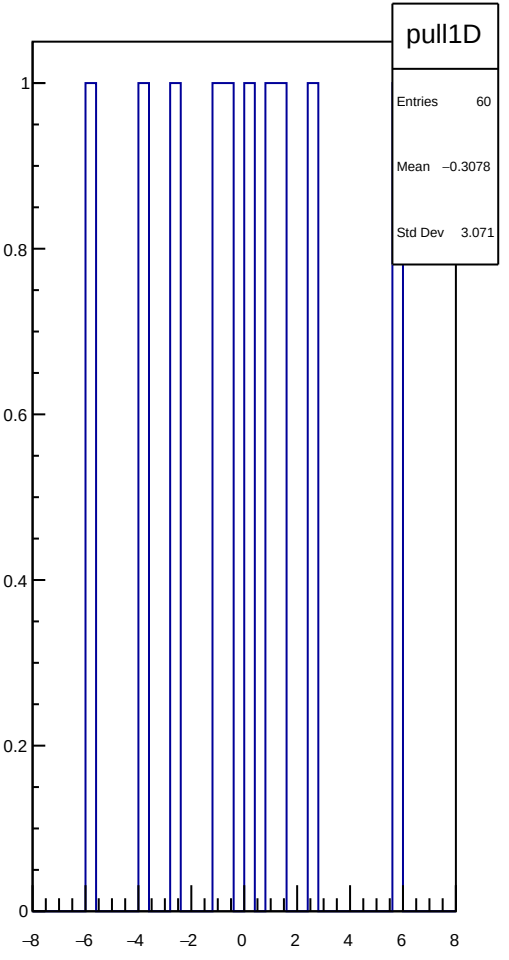

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2972 / 59
p0 190.7 ± 0.1786
230
220
210
200
190
180
170

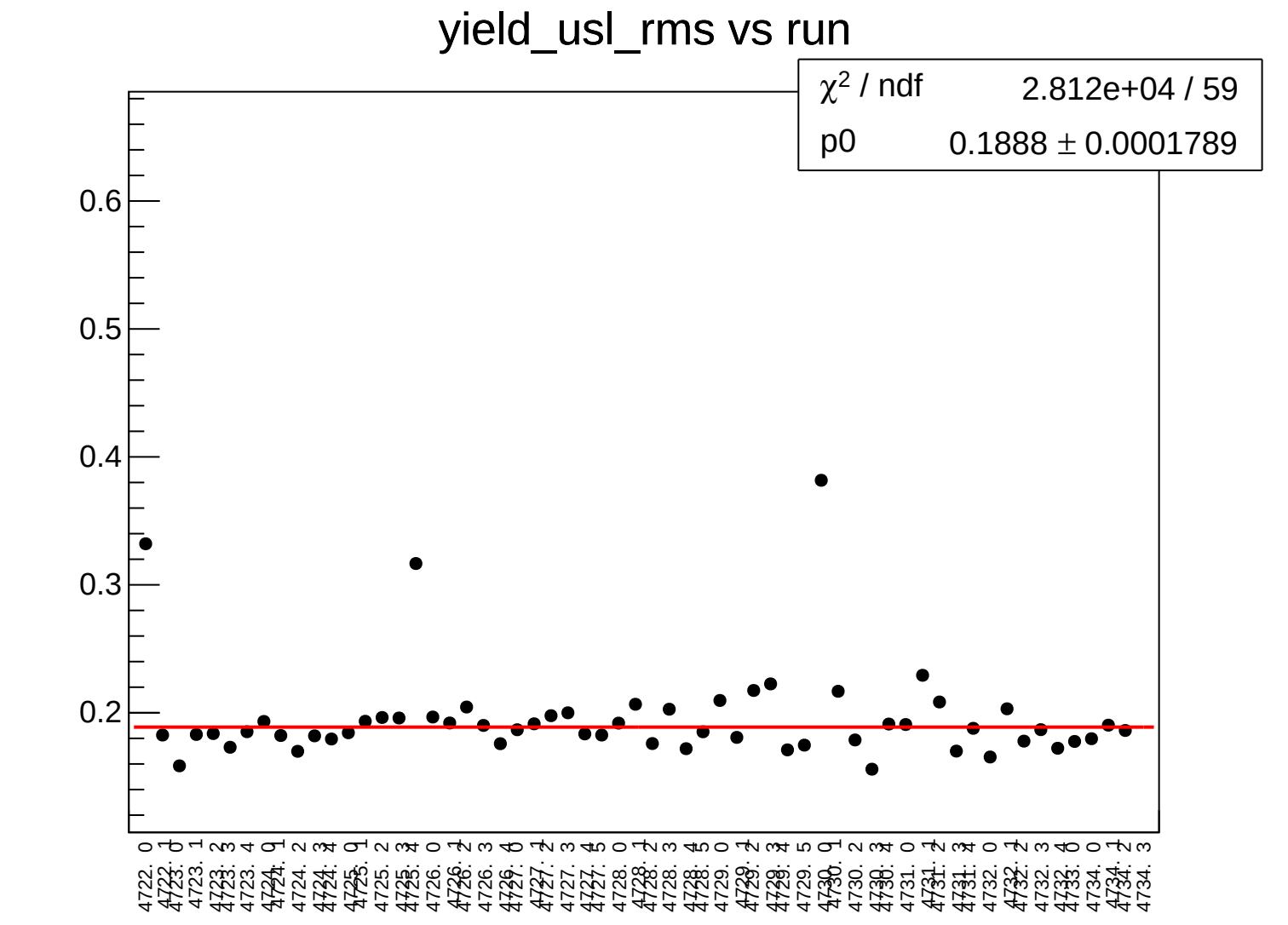

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 54.79 / 59
p0 −9.514 ± 27.08
pull
Entries 60
Mean 94.15
Std Dev 73.41

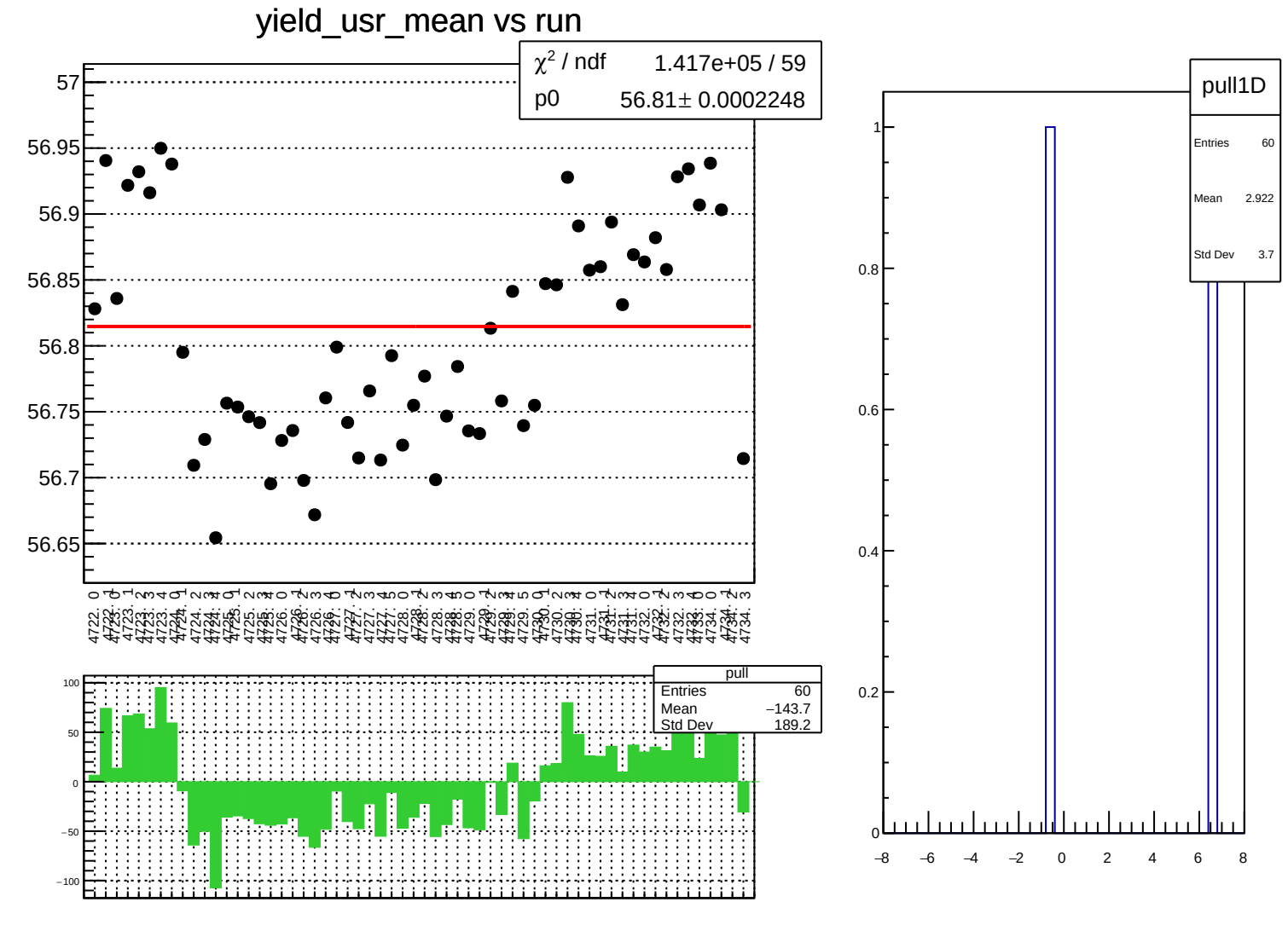

pull1D
Entries 60
Mean −0.0255
Std Dev 0.9552

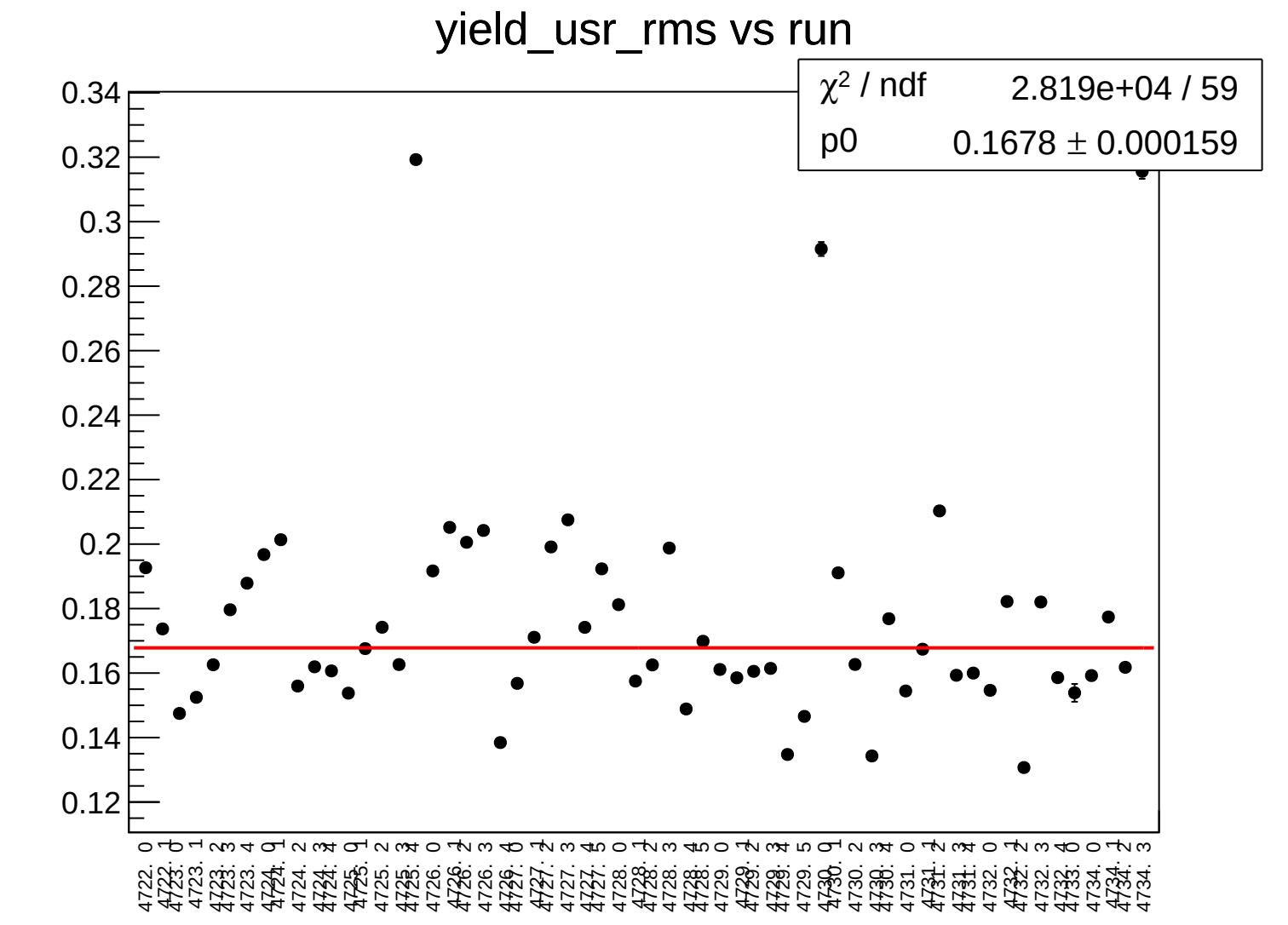

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1460 / 59
p0 20.45 ± 0.01915
22
21.5
21
20.5
20
19.5
19
18.5

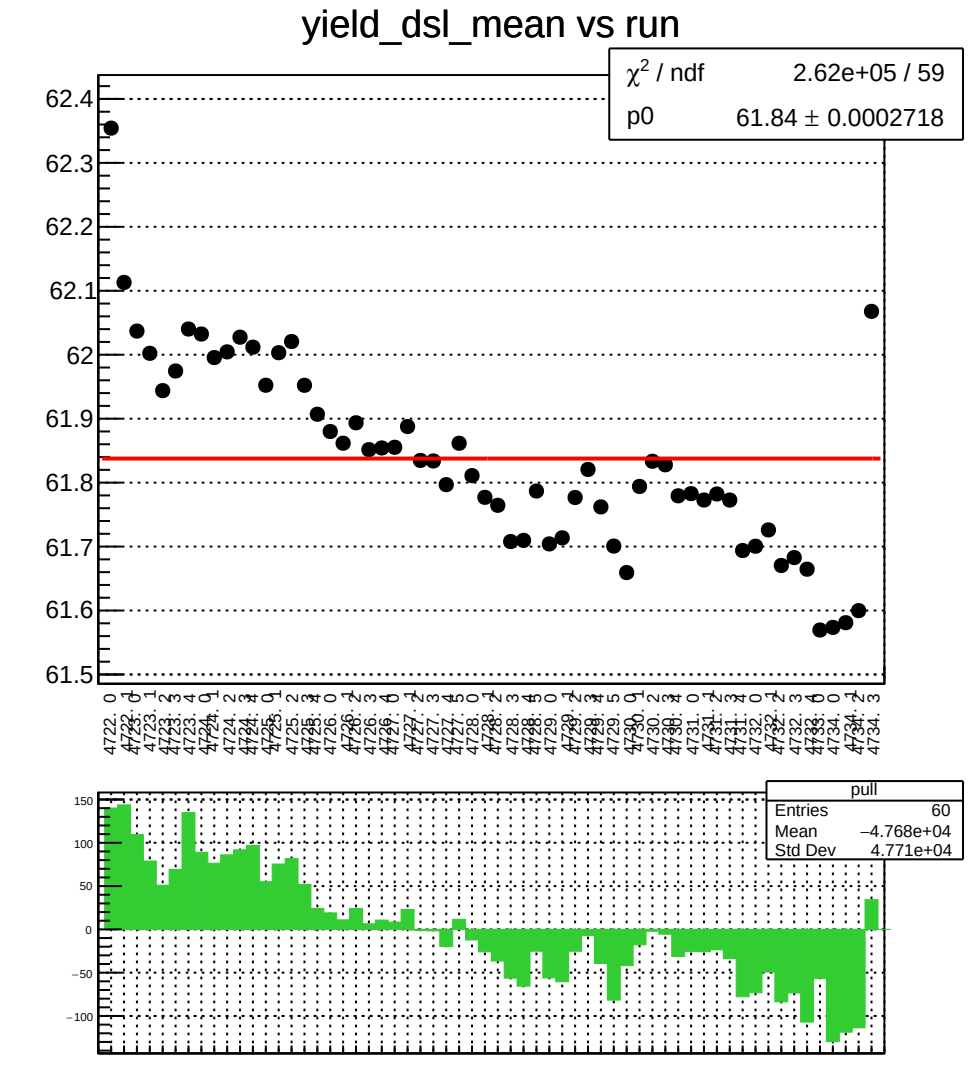

yield_usl_mean vs run
χ² / ndf 1.463e+05 / 59
p0 60.8 ± 0.000253
61.3
61.2
61.1
61
60.9
60.8
60.7
60.6
pull
Entries 60
Mean −2036
Std Dev 2061
150
100
50
0
−50

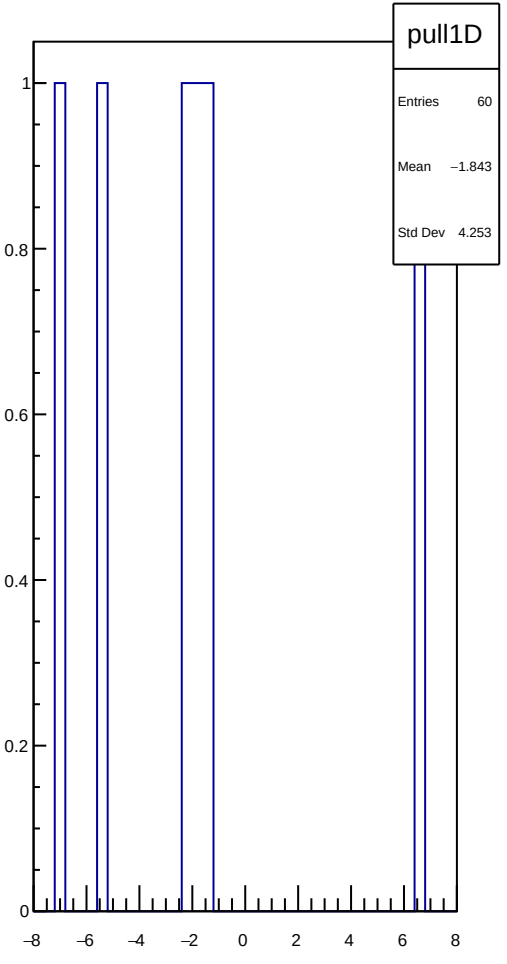

pull1D
Entries 60
Mean −0.3078
Std Dev 3.071
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

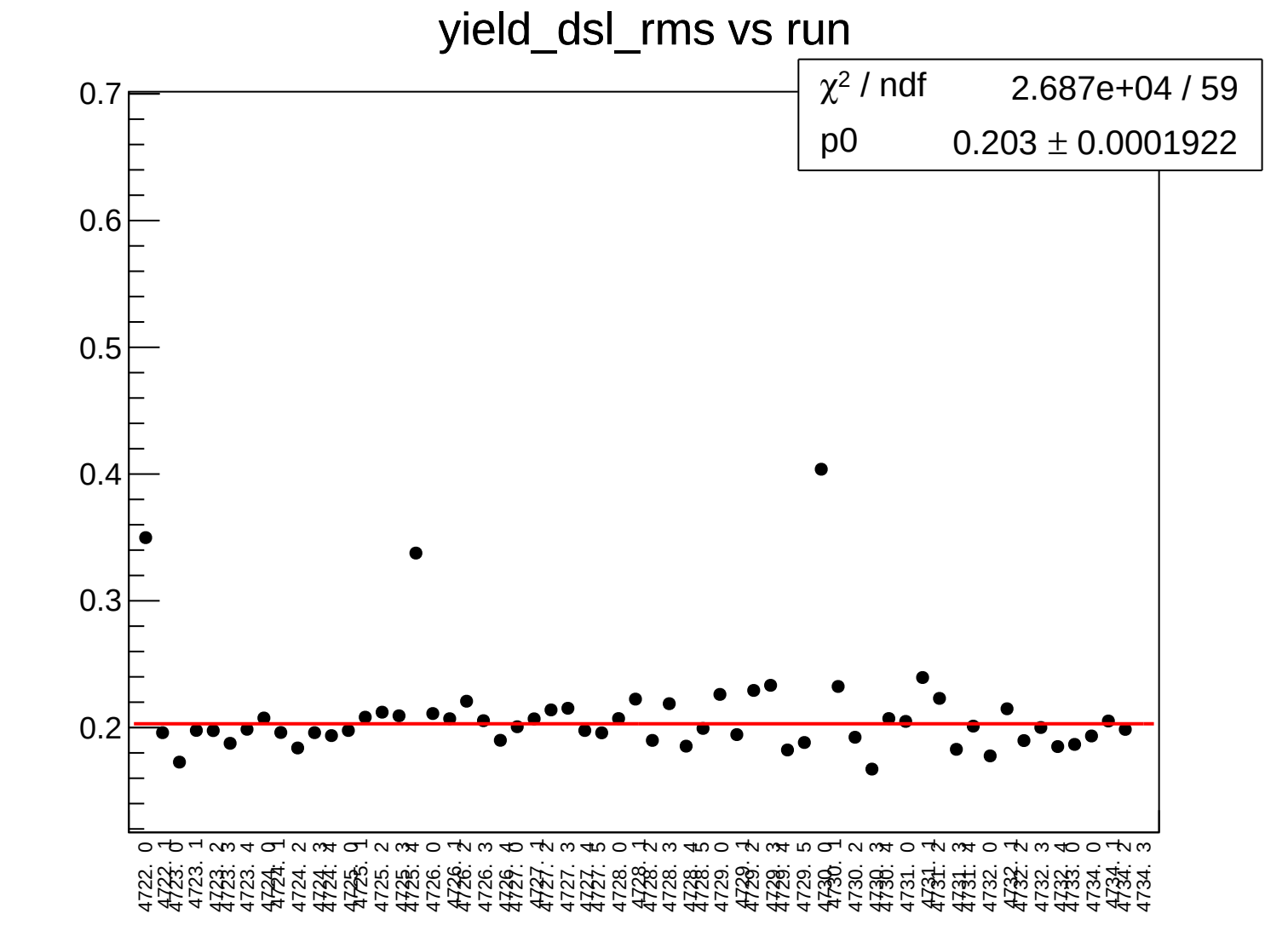

yield_usl_rms vs run
χ² / ndf 2.812e+04 / 59
p0 0.1888 ± 0.0001789
0.6
0.5
0.4
0.3
0.2

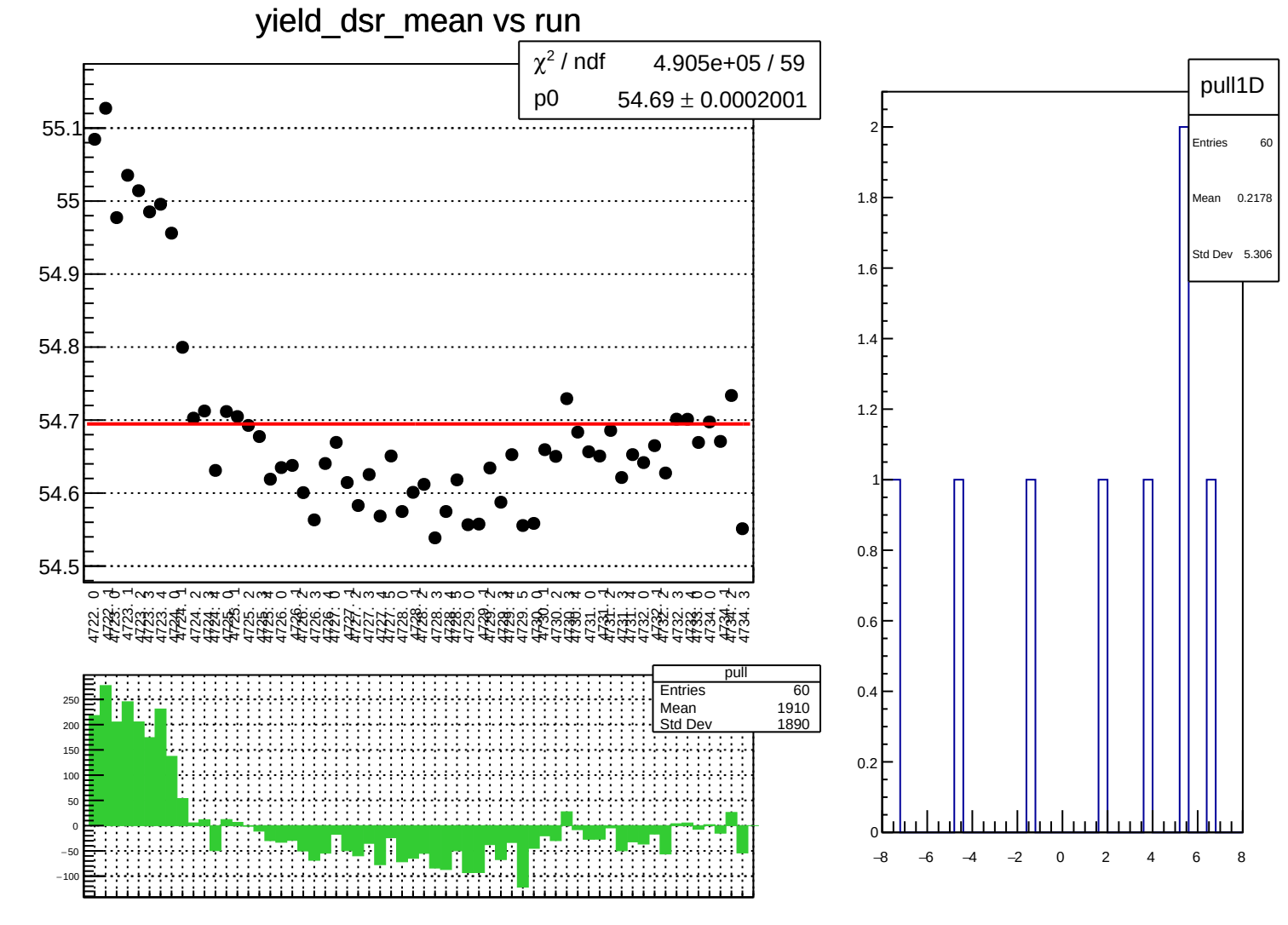

yield_usr_mean vs run
χ² / ndf 1.417e+05 / 59
p0 56.81± 0.0002248
57
56.95
56.9
56.85
56.8
56.75
56.7
56.65
pull
Entries 60
Mean −143.7
Std Dev 189.2
100
50
0
−50
−100
pull1D
Entries 60
Mean 2.922
Std Dev 3.7
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

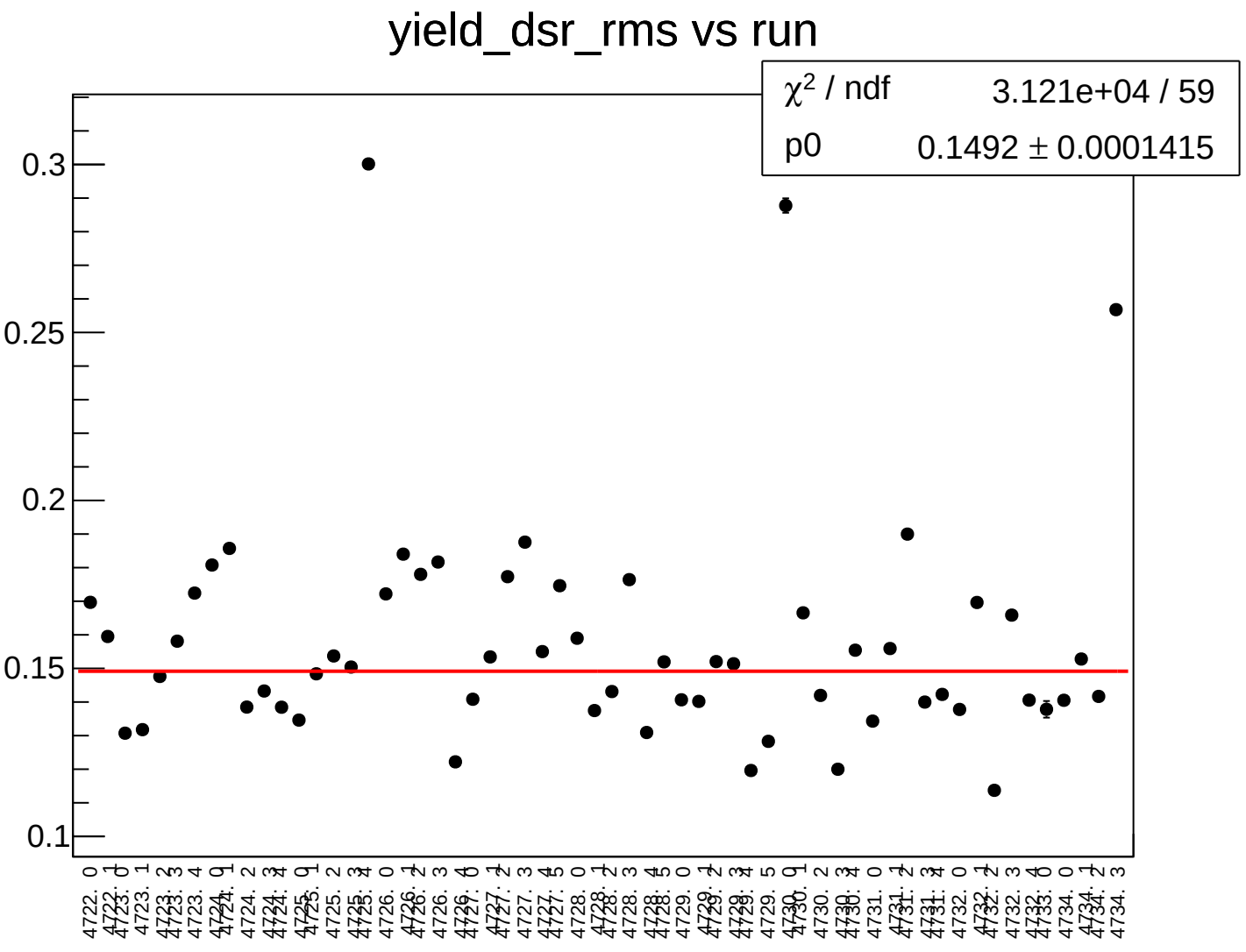

yield_usr_rms vs run
χ² / ndf 2.819e+04 / 59
p0 0.1678 ± 0.000159
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

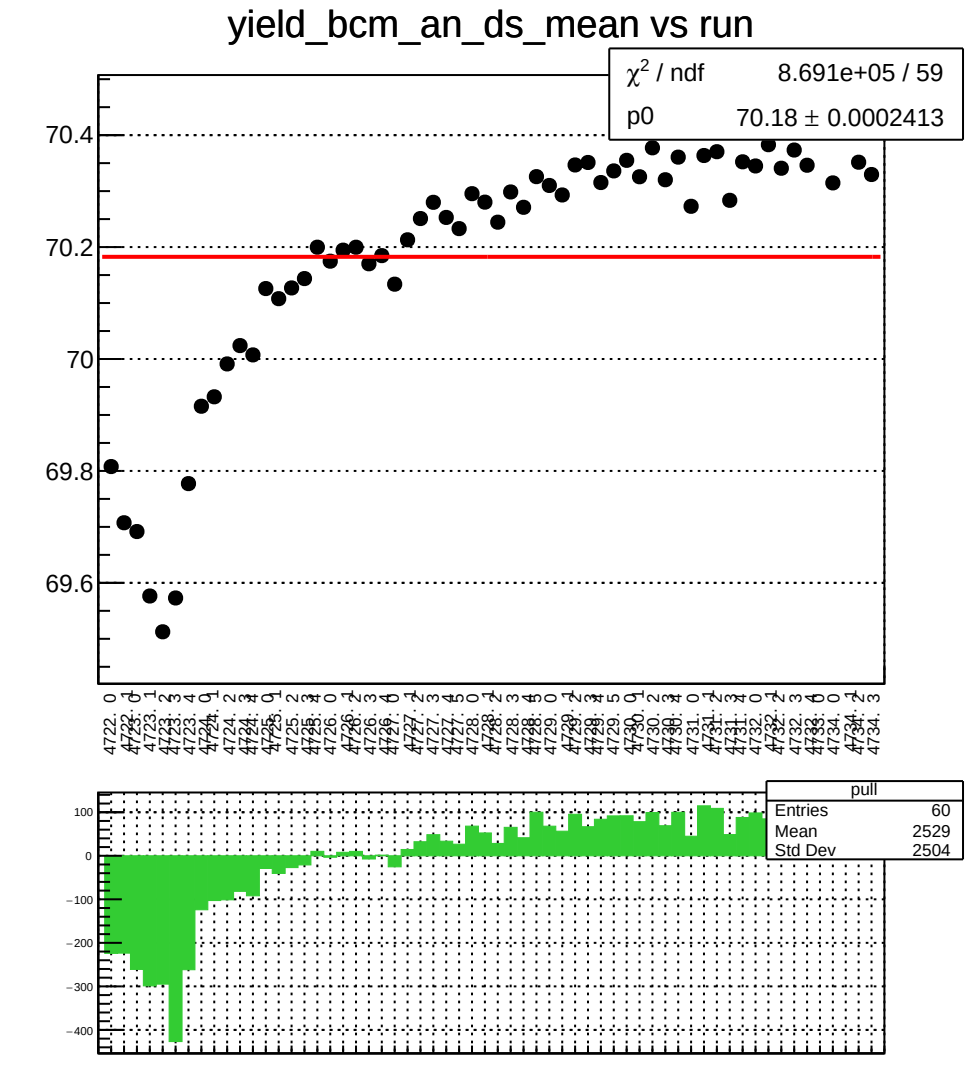

yield_dsl_mean vs run
χ² / ndf 2.62e+05 / 59
p0 61.84 ± 0.0002718
62.4
62.3
62.2
62.1
62
61.9
61.8
61.7
61.6
61.5
pull
Entries 60
Mean −4.768e+04
Std Dev 4.771e+04
150
100
50
0
−50
−100

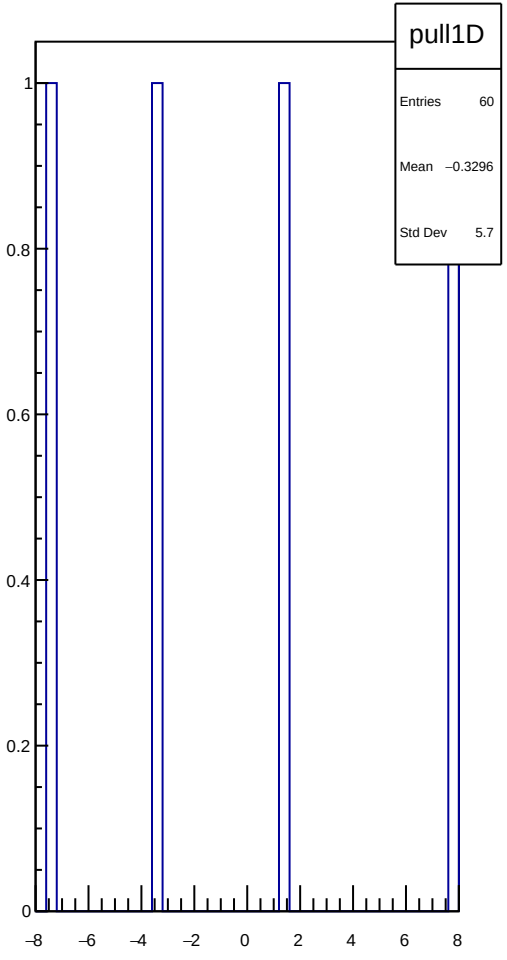

pull1D
Entries 60
Mean −1.843
Std Dev 4.253
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

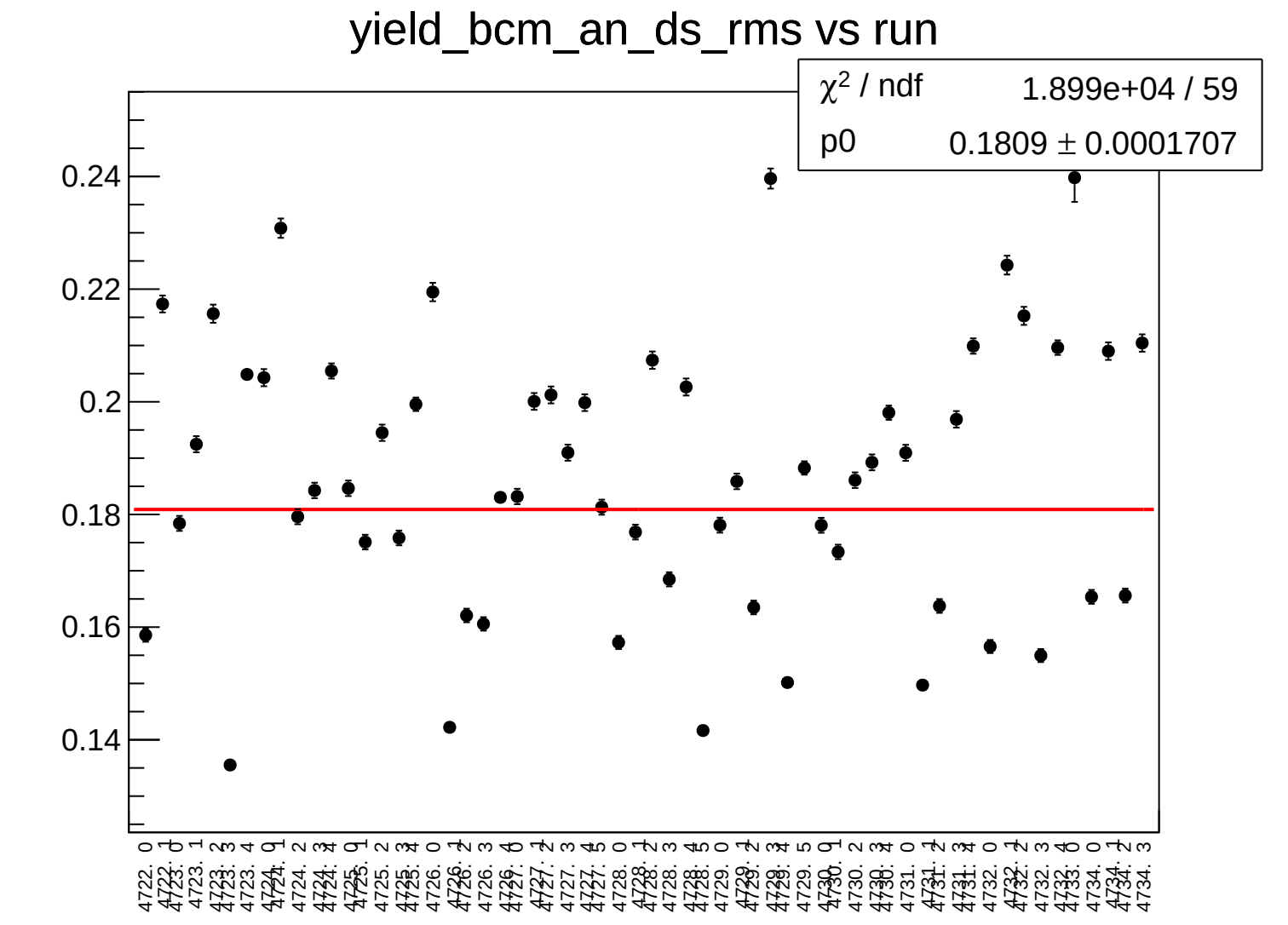

yield_dsl_rms vs run
χ² / ndf 2.687e+04 / 59
p0 0.203 ± 0.0001922
0.7
0.6
0.5
0.4
0.3
0.2
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

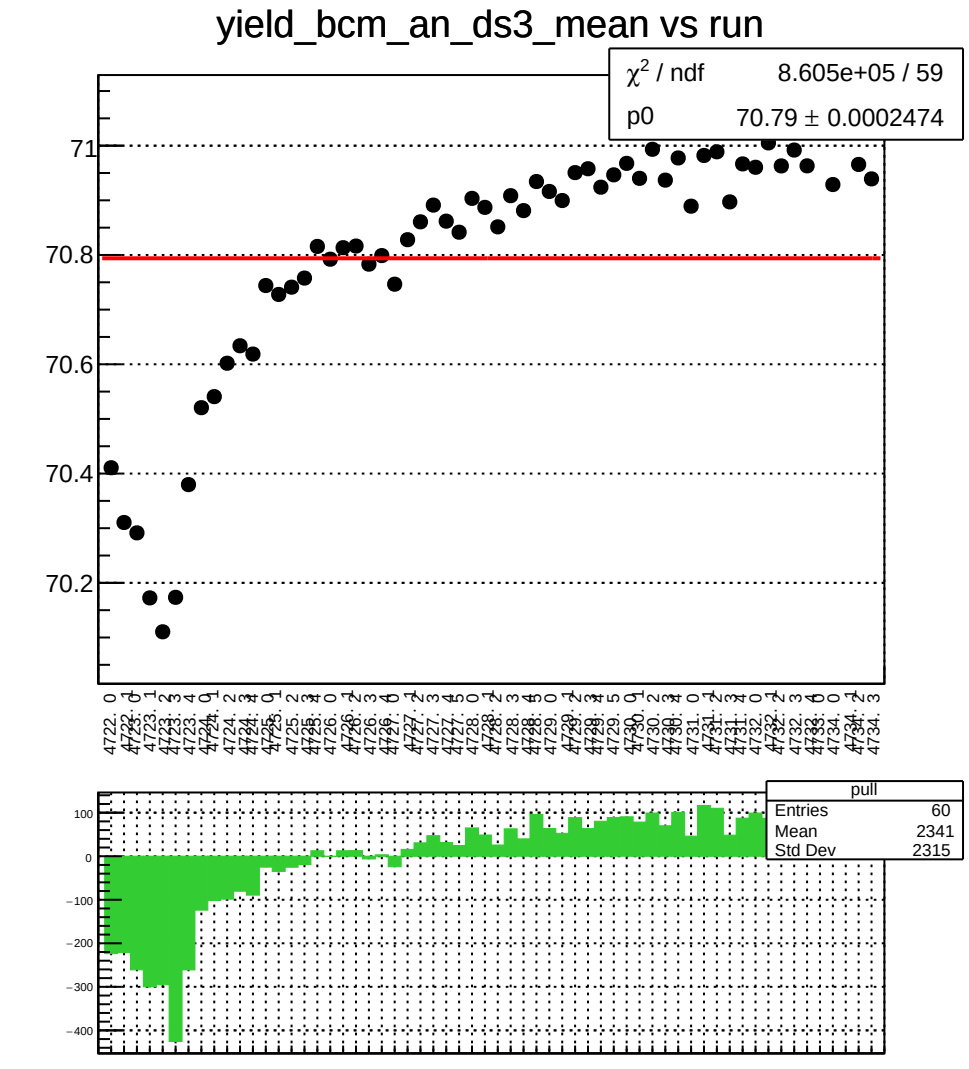

yield_dsr_mean vs run
χ² / ndf 4.905e+05 / 59
p0 54.69 ± 0.0002001
55.1
55
54.9
54.8
54.7
54.6
54.5
pull
Entries 60
Mean 1910
Std Dev 1890
250
200
150
100
50
0
−50
−100
pull1D
Entries 60
Mean 0.2178
Std Dev 5.306
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

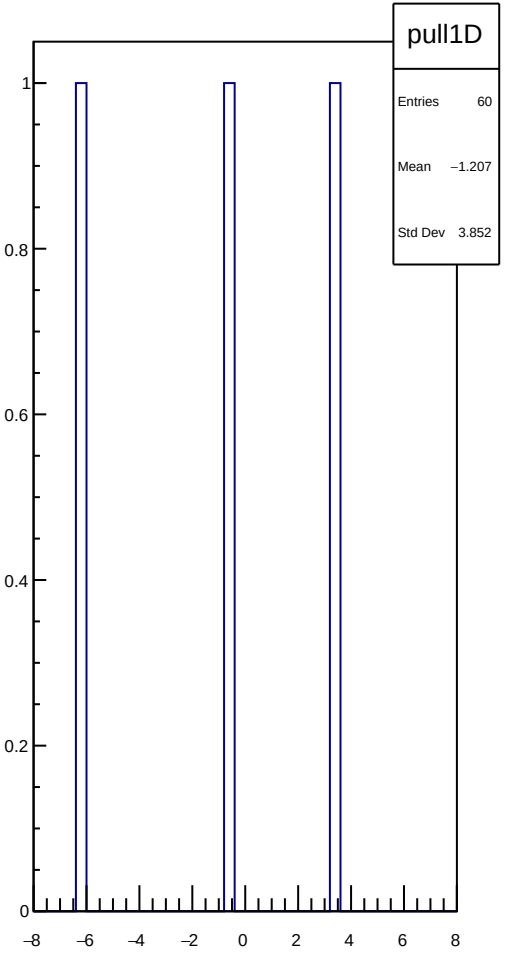

yield_dsr_rms vs run
χ² / ndf 3.121e+04 / 59
p0 0.1492 ± 0.0001415
0.3
0.25
0.2
0.15
0.1

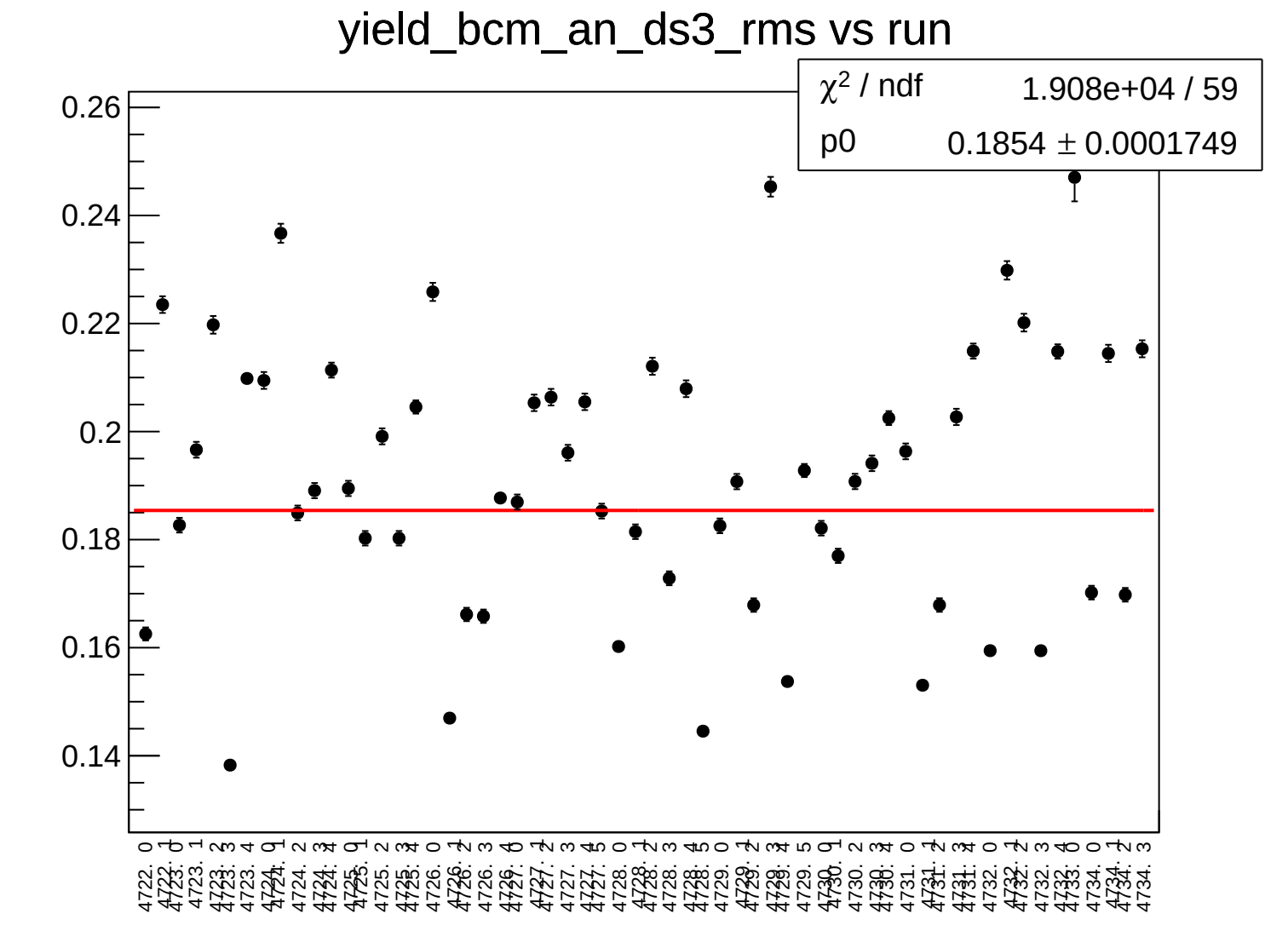

yield_bcm_an_ds_mean vs run
χ² / ndf 8.691e+05 / 59
p0 70.18 ± 0.0002413
70.4
70.2
70
69.8
69.6
pull
Entries 60
Mean 2529
Std Dev 2504
100
0
−100
−200
−300
−400

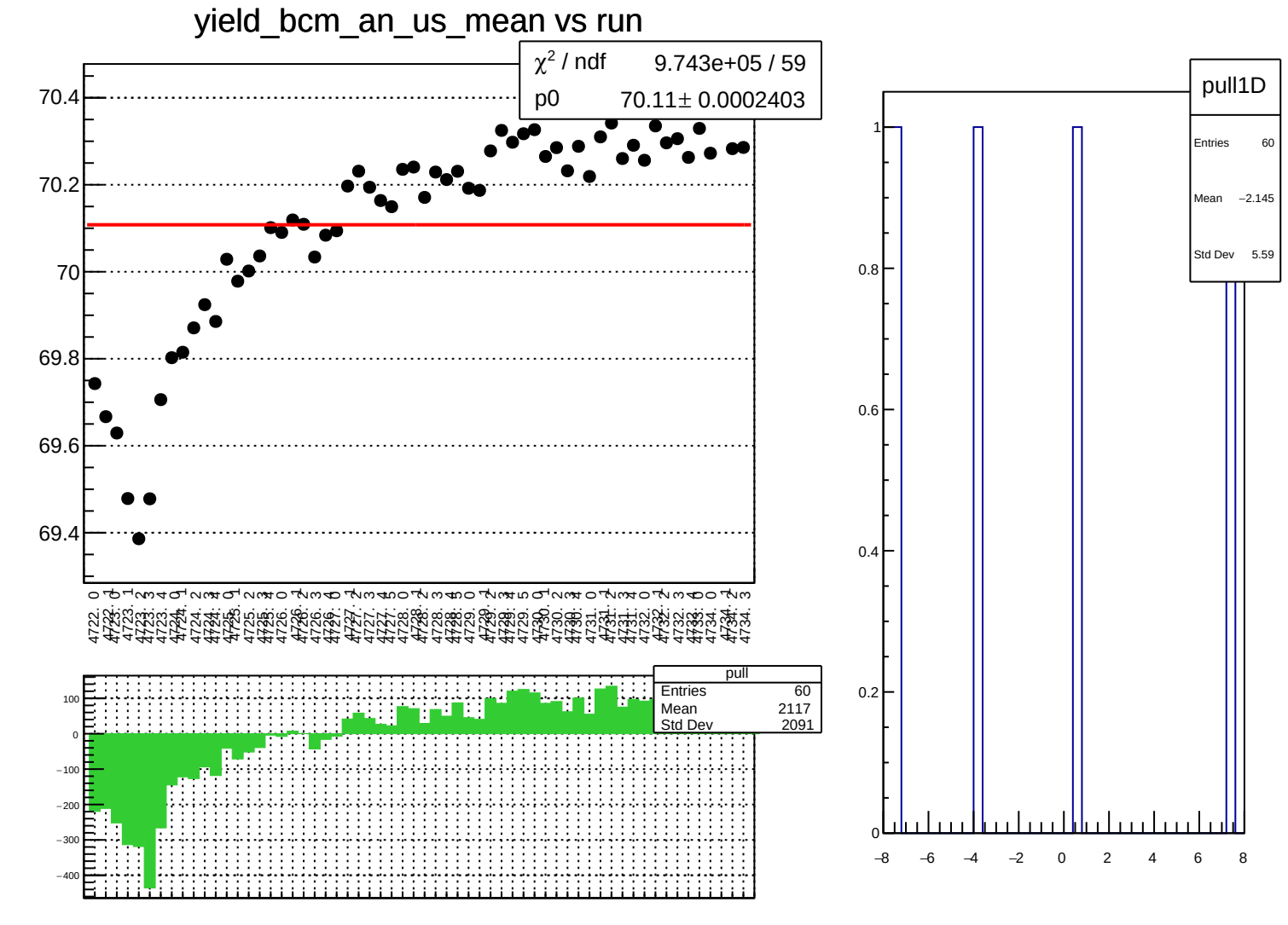

pull1D
Entries 60
Mean −0.3296
Std Dev 5.7
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

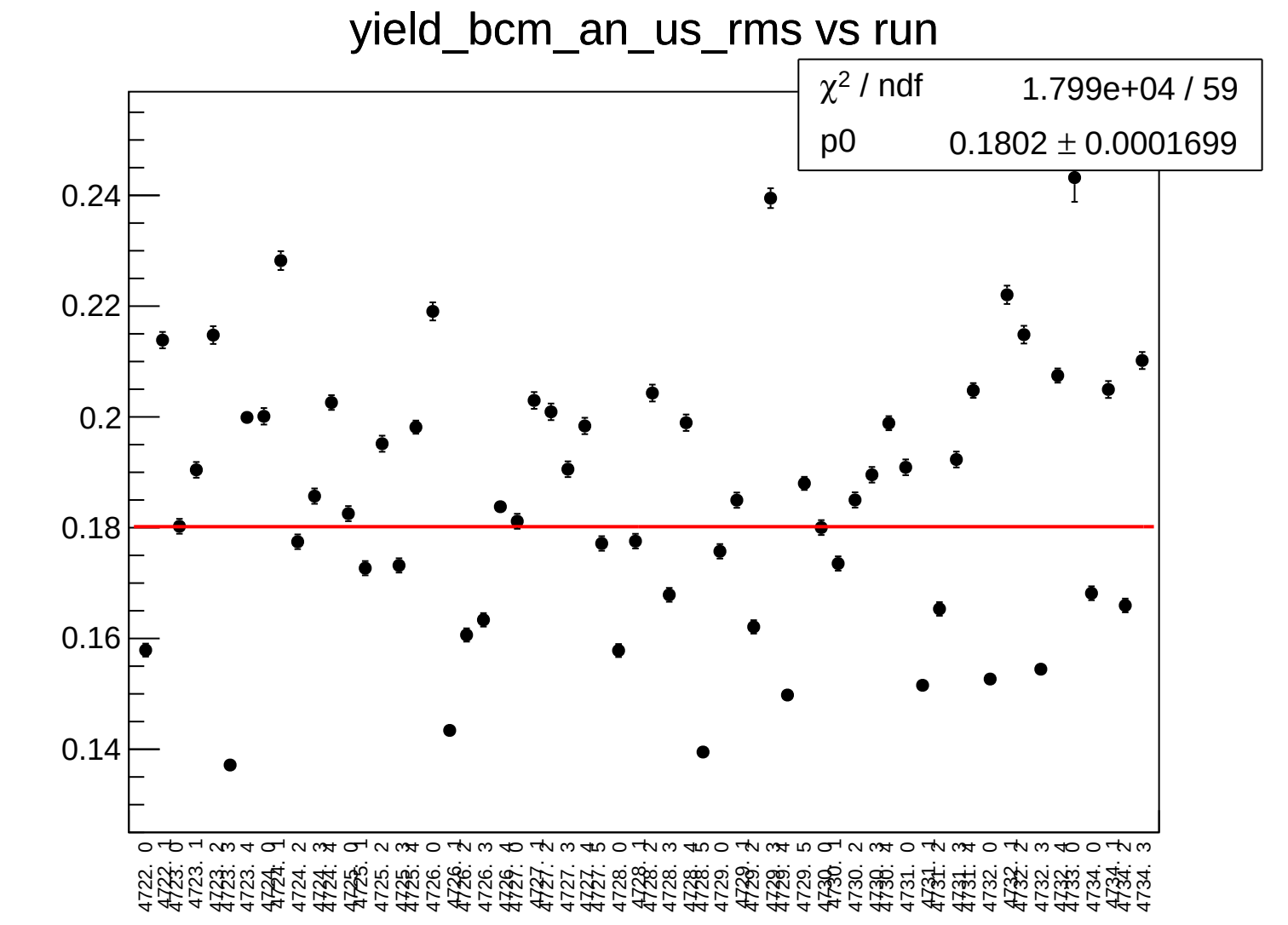

yield_bcm_an_ds_rms vs run
χ² / ndf 1.899e+04 / 59
p0 0.1809 ± 0.0001707
0.24
0.22
0.2
0.18
0.16
0.14
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

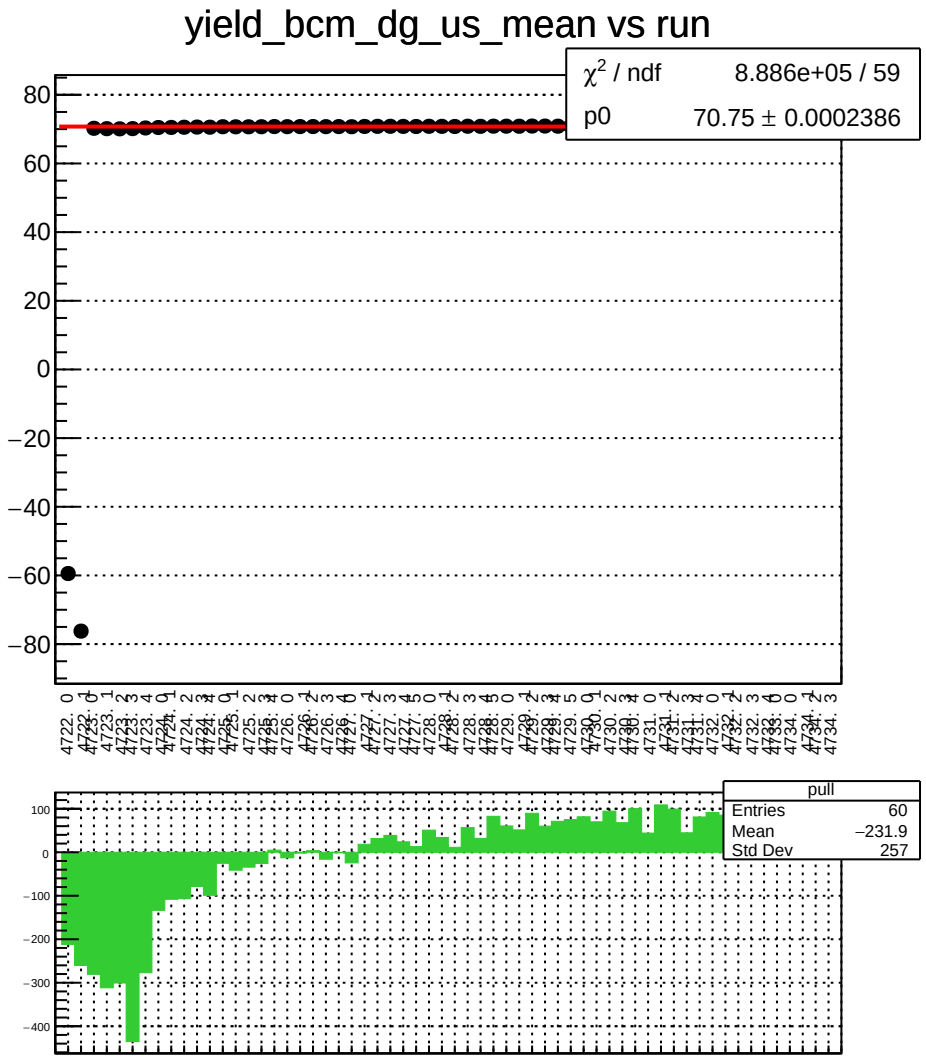

yield_bcm_an_ds3_mean vs run
χ² / ndf 8.605e+05 / 59
p0 70.79 ± 0.0002474
71
70.8
70.6
70.4
70.2
pull
Entries 60
Mean 2341
Std Dev 2315
100
0
−100
−200
−300
−400

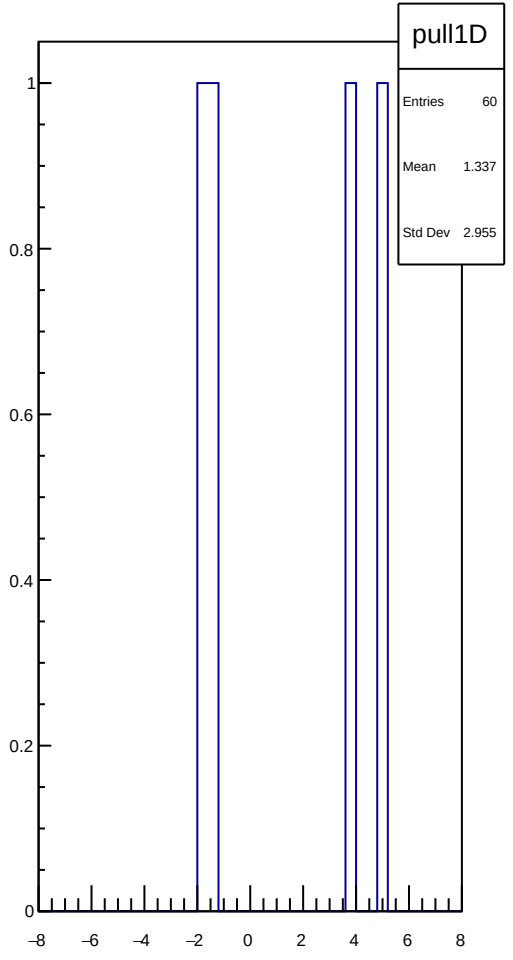

pull1D
Entries 60
Mean −1.207
Std Dev 3.852
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

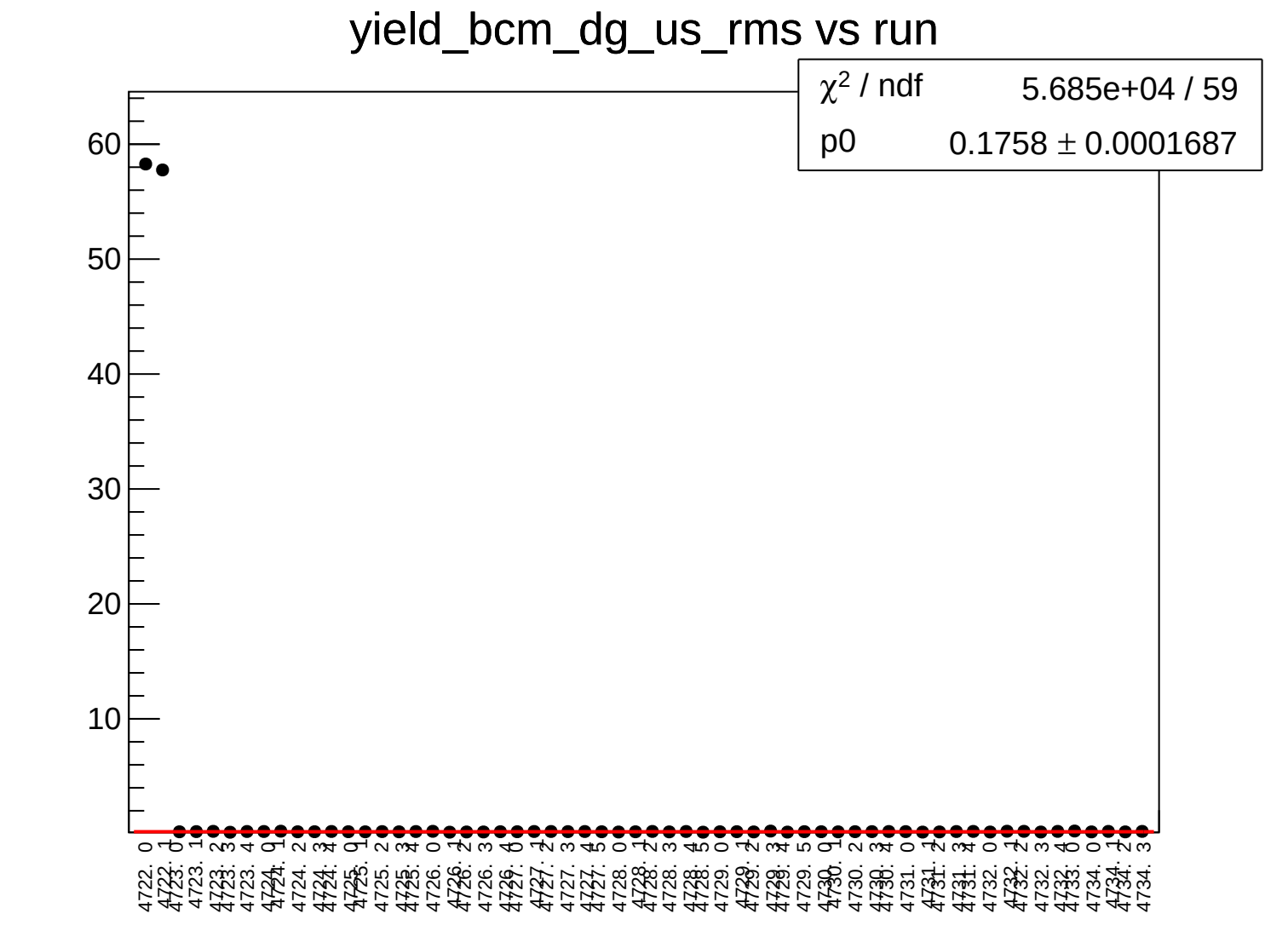

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.908e+04 / 59
p0 0.1854 ± 0.0001749
0.26
0.24
0.22
0.2
0.18
0.16
0.14

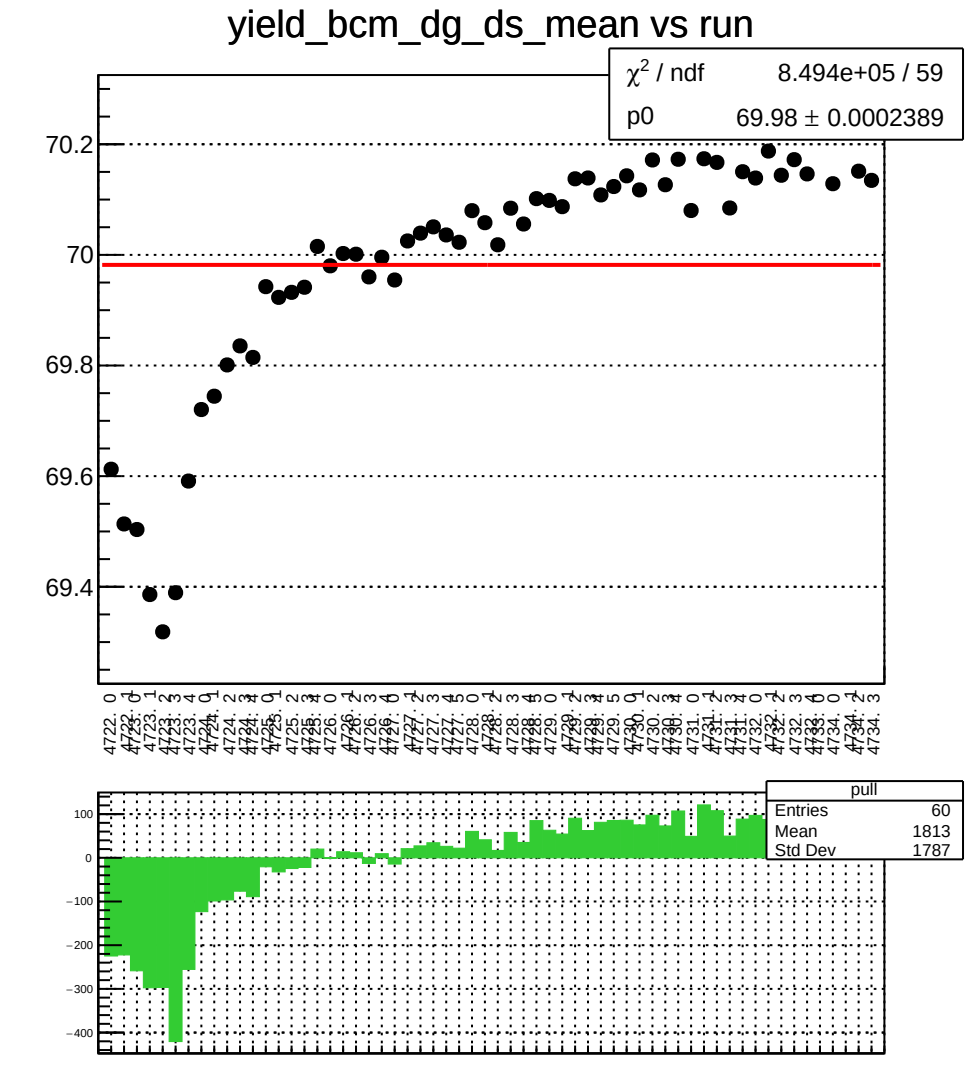

yield_bcm_an_us_mean vs run
χ² / ndf 9.743e+05 / 59
p0 70.11± 0.0002403
70.4
70.2
70
69.8
69.6
69.4
pull
Entries 60
Mean 2117
Std Dev 2091
100
0
−100
−200
−300
−400
pull1D
Entries 60
Mean −2.145
Std Dev 5.59
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

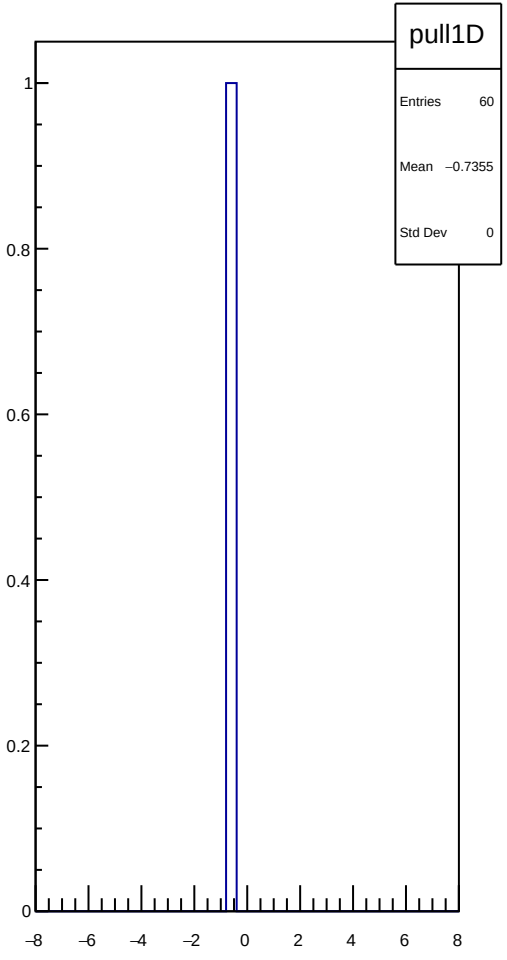

yield_bcm_an_us_rms vs run
χ² / ndf 1.799e+04 / 59
p0 0.1802 ± 0.0001699
0.24
0.22
0.2
0.18
0.16
0.14
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

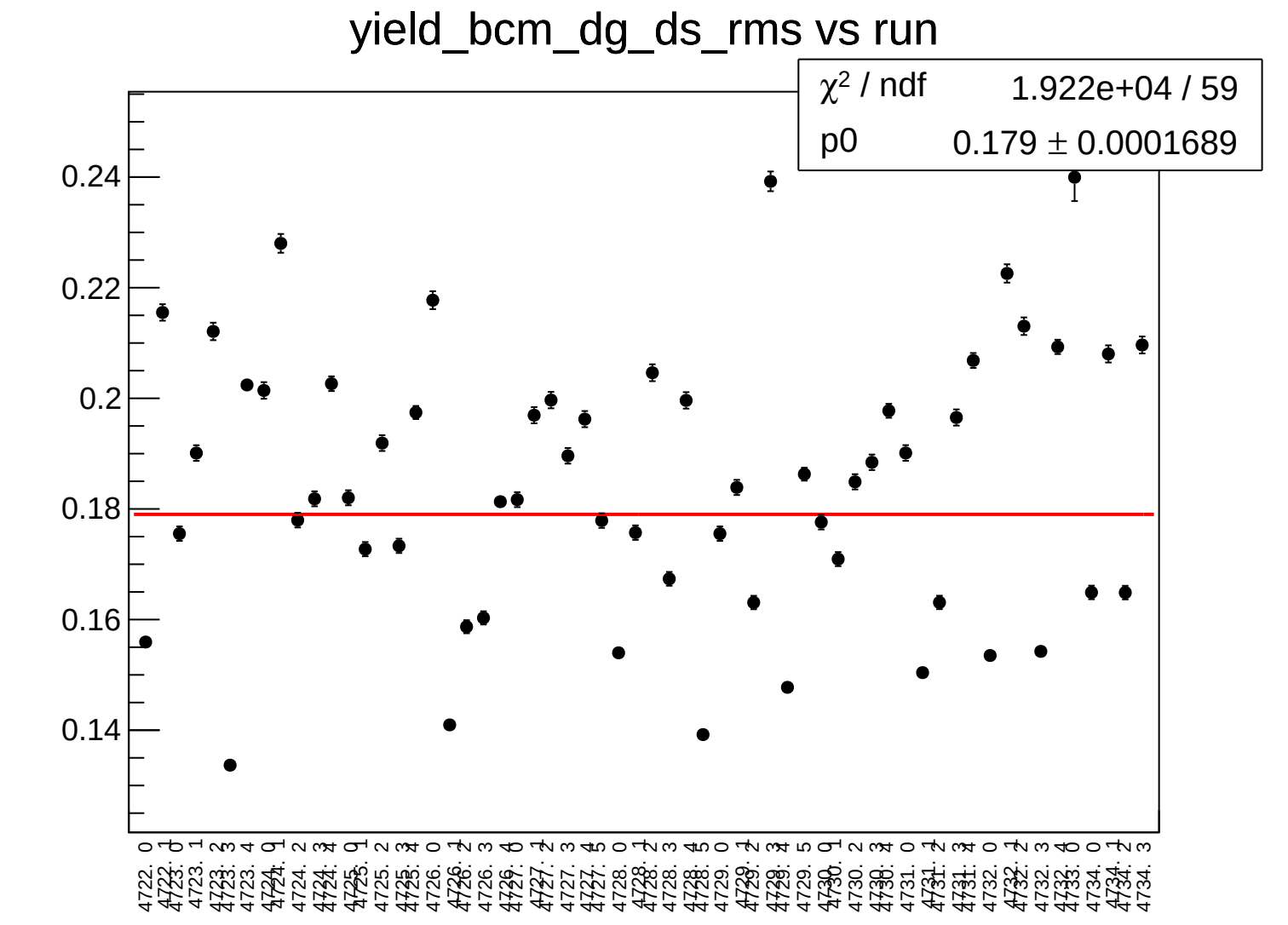

yield_bcm_dg_us_mean vs run
χ² / ndf 8.886e+05 / 59
p0 70.75 ± 0.0002386
pull
Entries 60
Mean −231.9
Std Dev 257

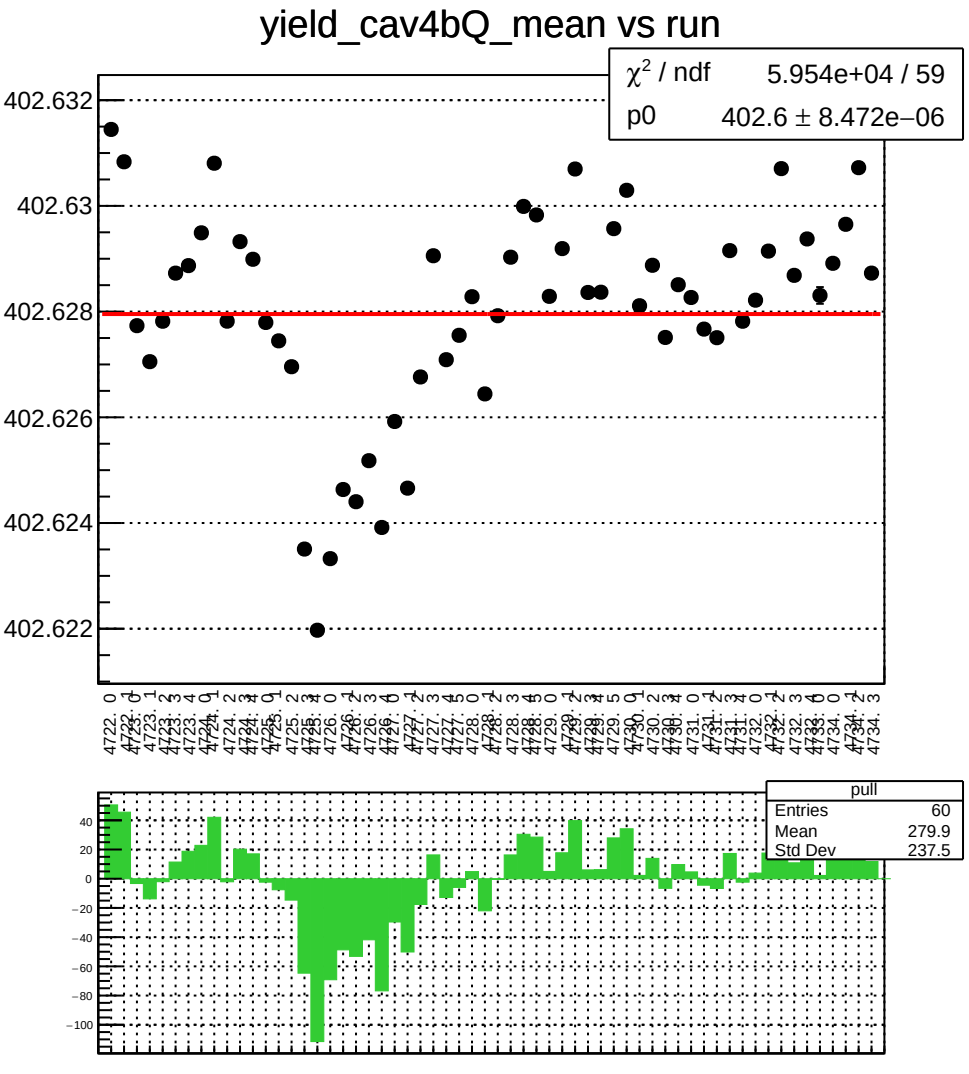

pull1D
Entries 60
Mean 1.337
Std Dev 2.955

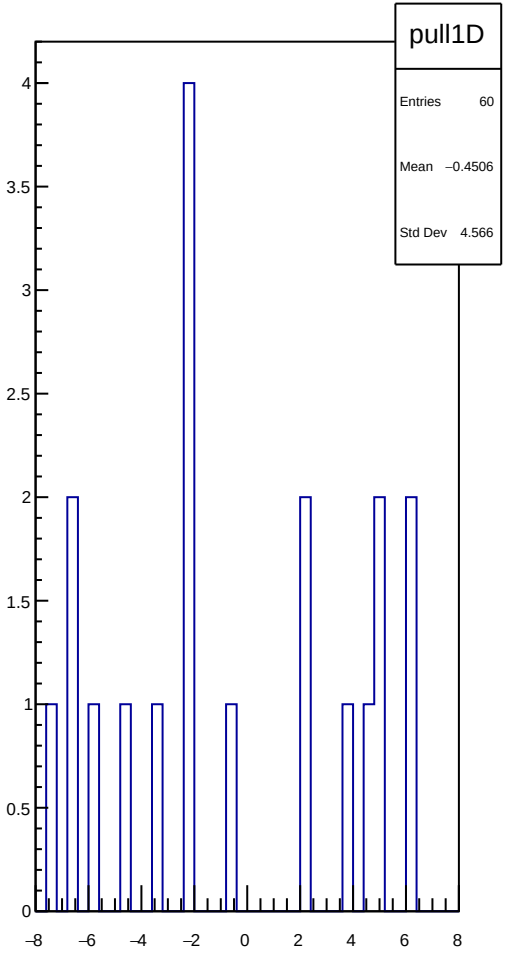

yield_bcm_dg_us_rms vs run
χ² / ndf 5.685e+04 / 59
p0 0.1758 ± 0.0001687
60
50
40
30
20
10
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

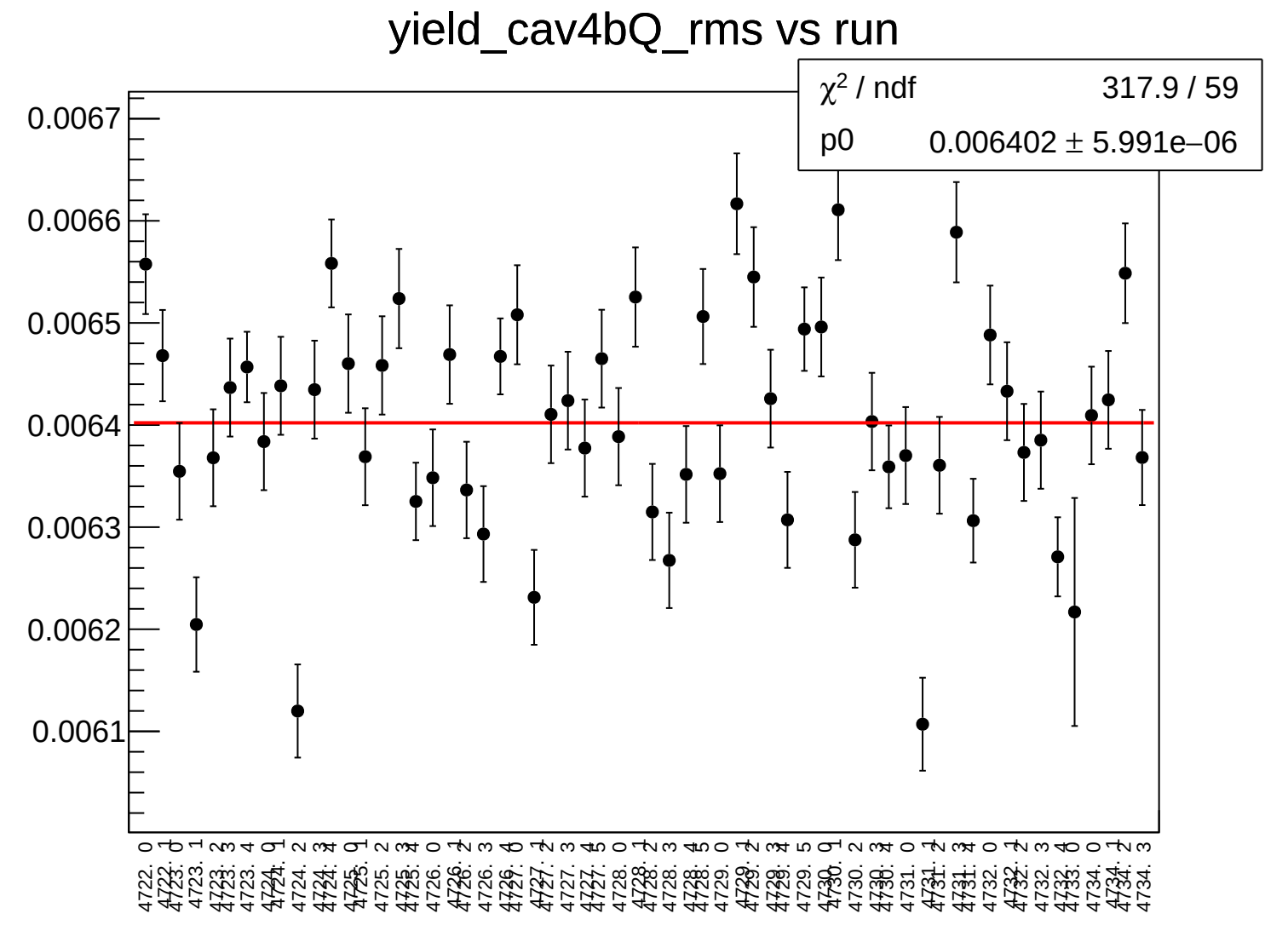

yield_bcm_dg_ds_mean vs run
χ² / ndf 8.494e+05 / 59
p0 69.98 ± 0.0002389
70.2
70
69.8
69.6
69.4
pull
Entries 60
Mean 1813
Std Dev 1787
100
0
−100
−200
−300
−400

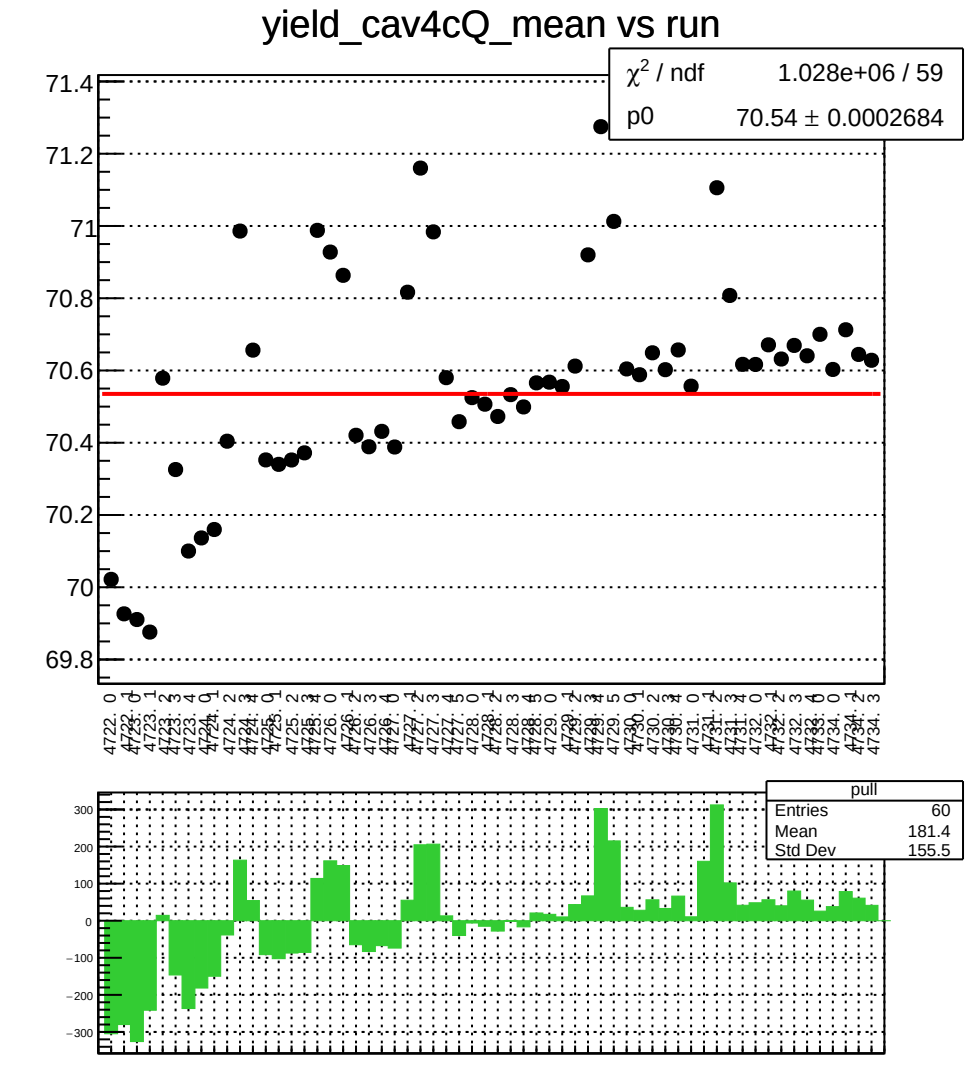

pull1D
Entries 60
Mean −0.7355
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

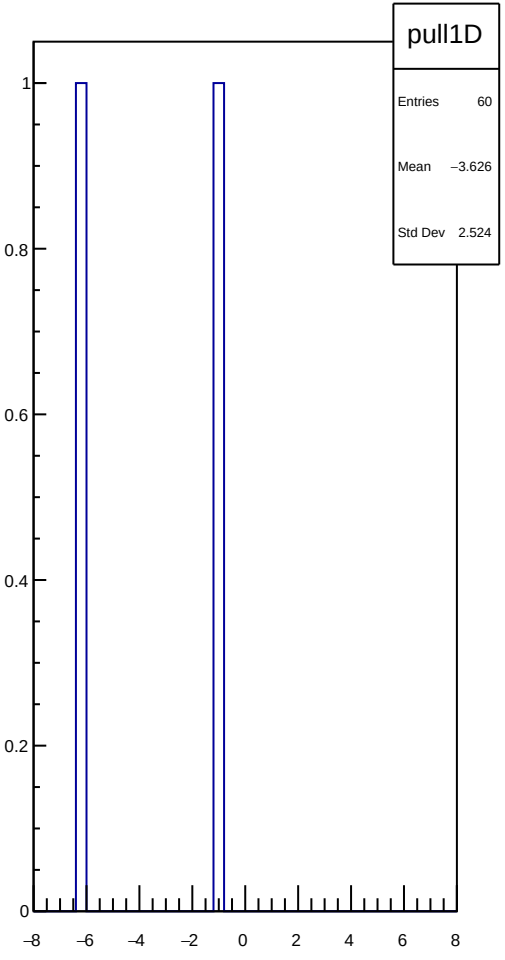

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.922e+04 / 59
p0 0.179 ± 0.0001689
0.24
0.22
0.2
0.18
0.16
0.14
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

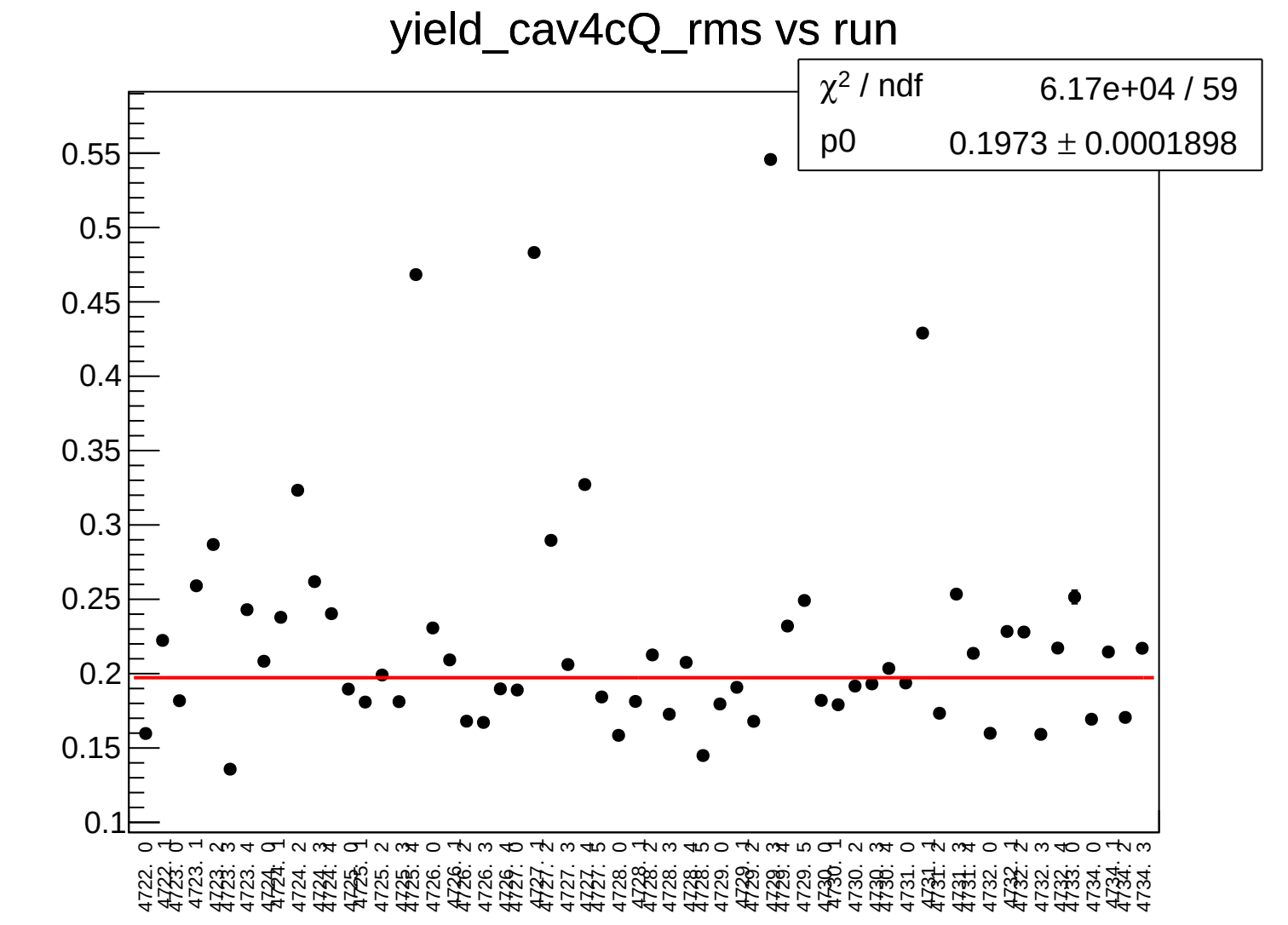

yield_cav4bQ_mean vs run
χ² / ndf 5.954e+04 / 59
p0 402.6 ± 8.472e−06
402.632
402.63
402.628
402.626
402.624
402.622
pull
Entries 60
Mean 279.9
Std Dev 237.5
40
20
0
−20
−40
−60
−80
−100

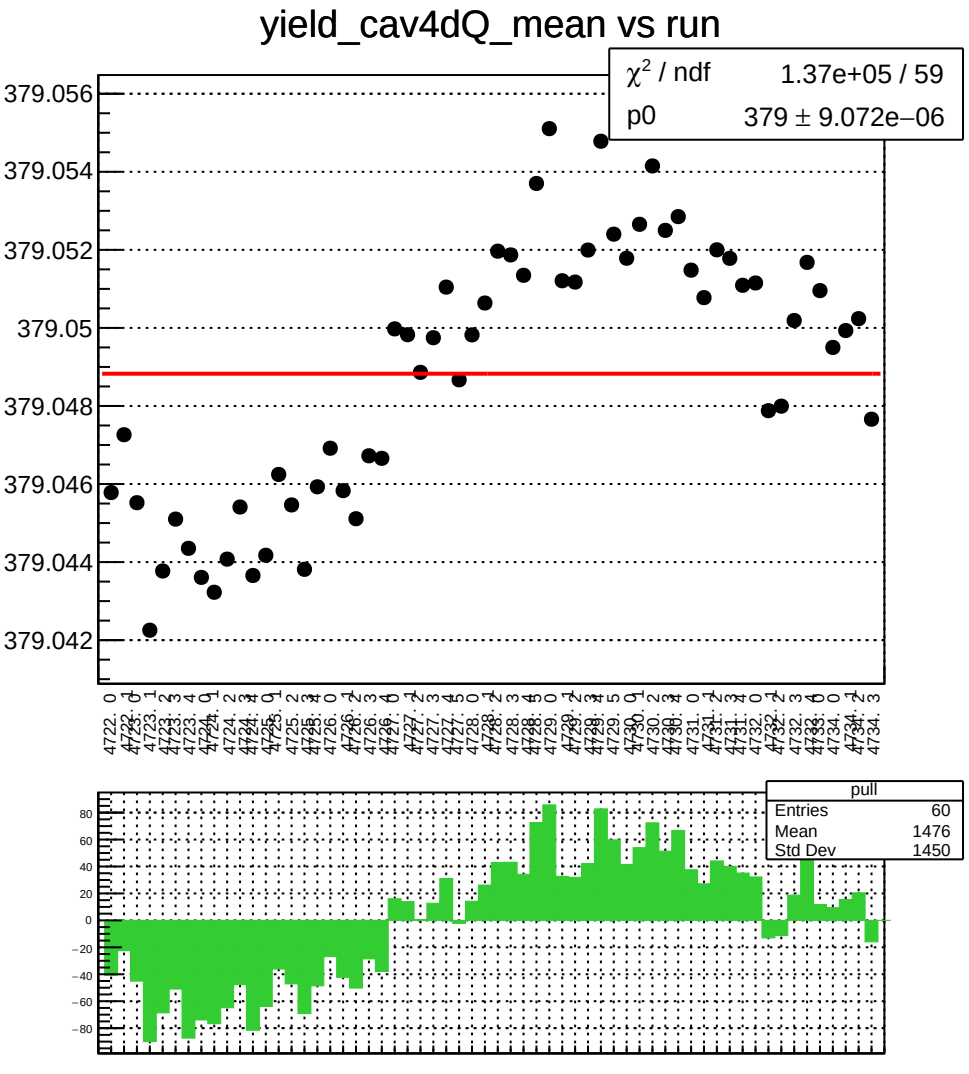

pull1D
Entries 60
Mean −0.4506
Std Dev 4.566
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

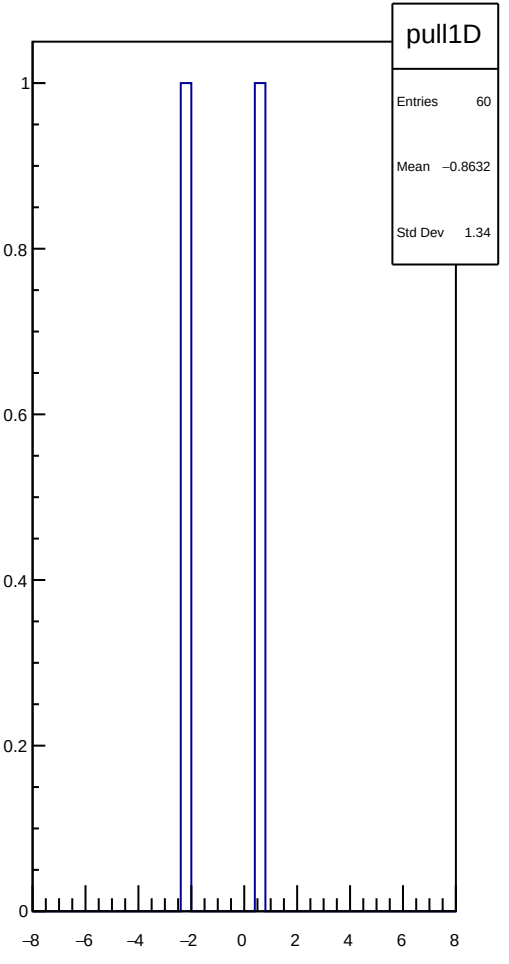

yield_cav4bQ_rms vs run
χ² / ndf 317.9 / 59
p0 0.006402 ± 5.991e−06
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062
0.0061

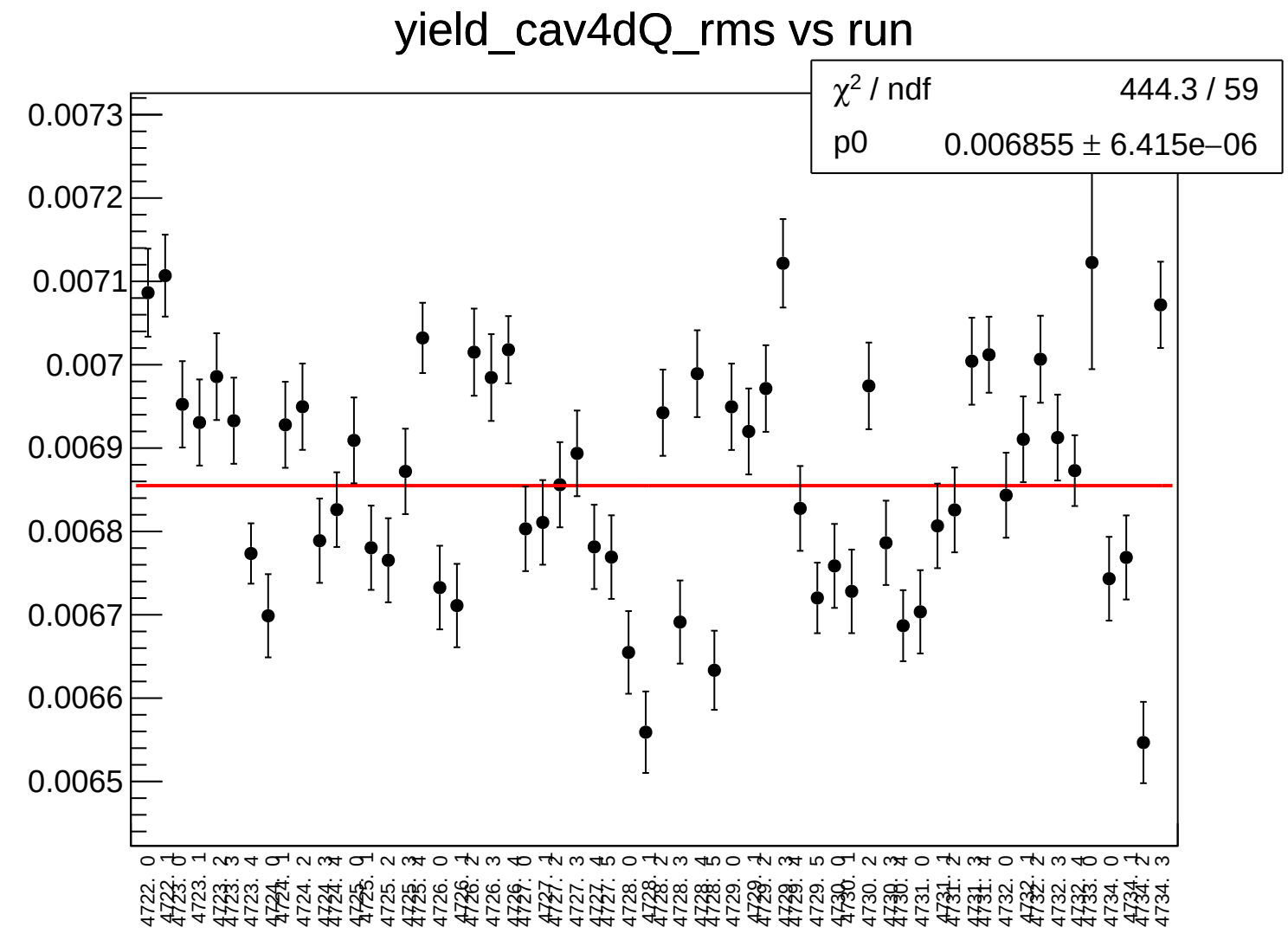

yield_cav4cQ_mean vs run
χ² / ndf 1.028e+06 / 59
p0 70.54 ± 0.0002684
pull
Entries 60
Mean 181.4
Std Dev 155.5

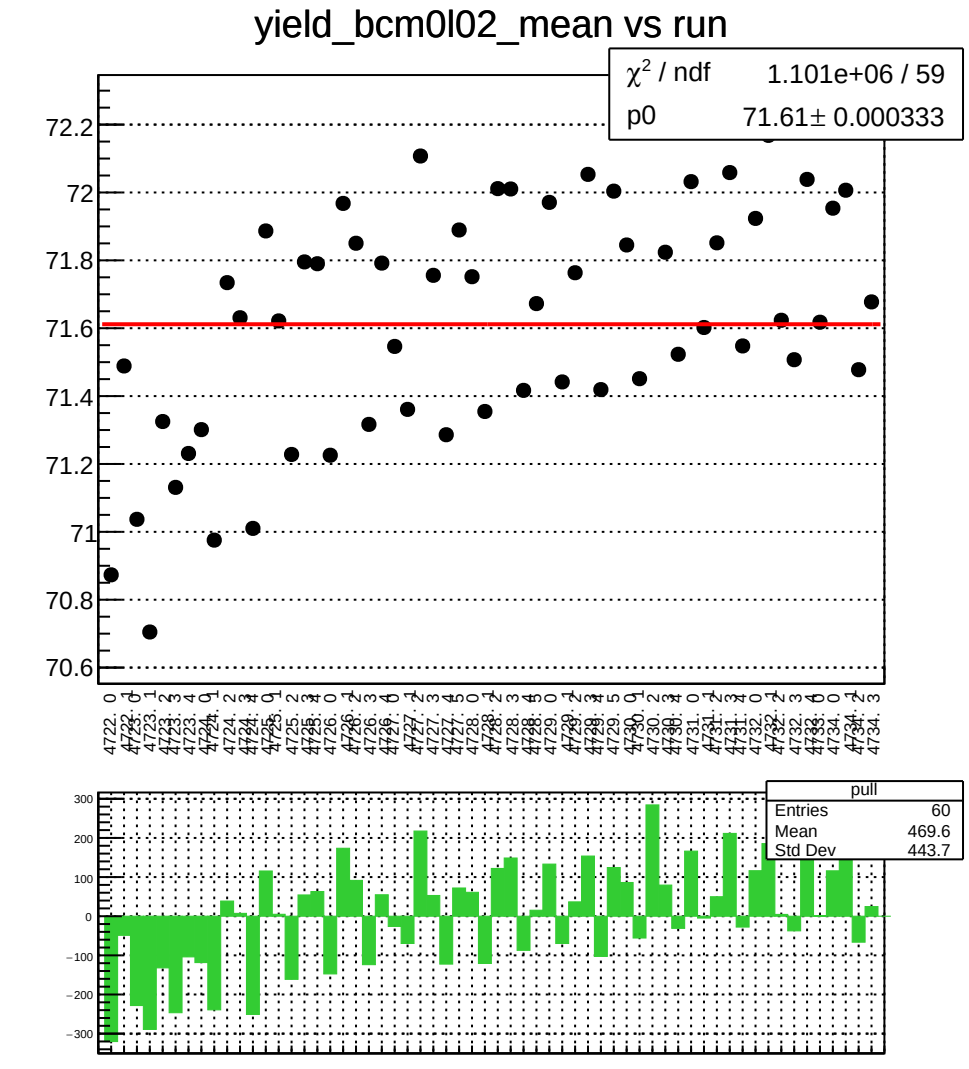

pull1D
Entries 60
Mean −3.626
Std Dev 2.524

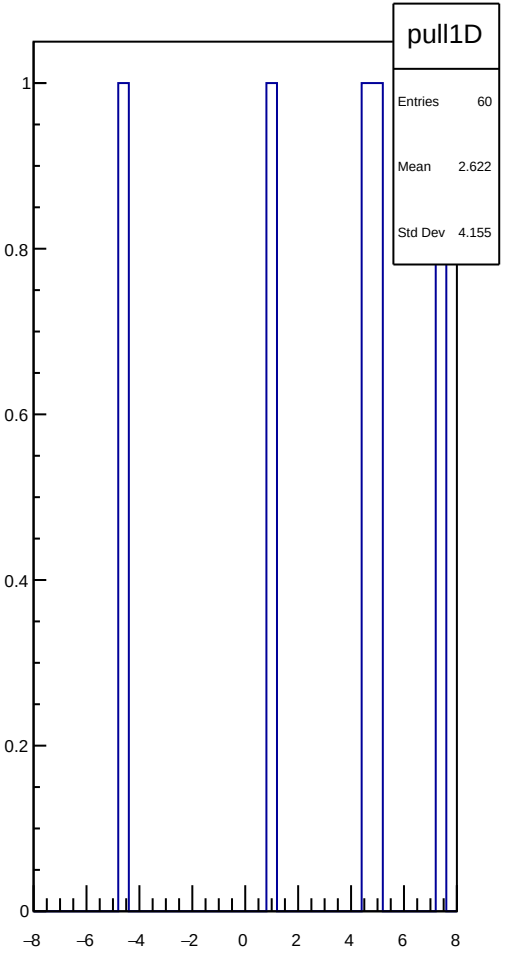

yield_cav4cQ_rms vs run
χ² / ndf 6.17e+04 / 59
p0 0.1973 ± 0.0001898
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

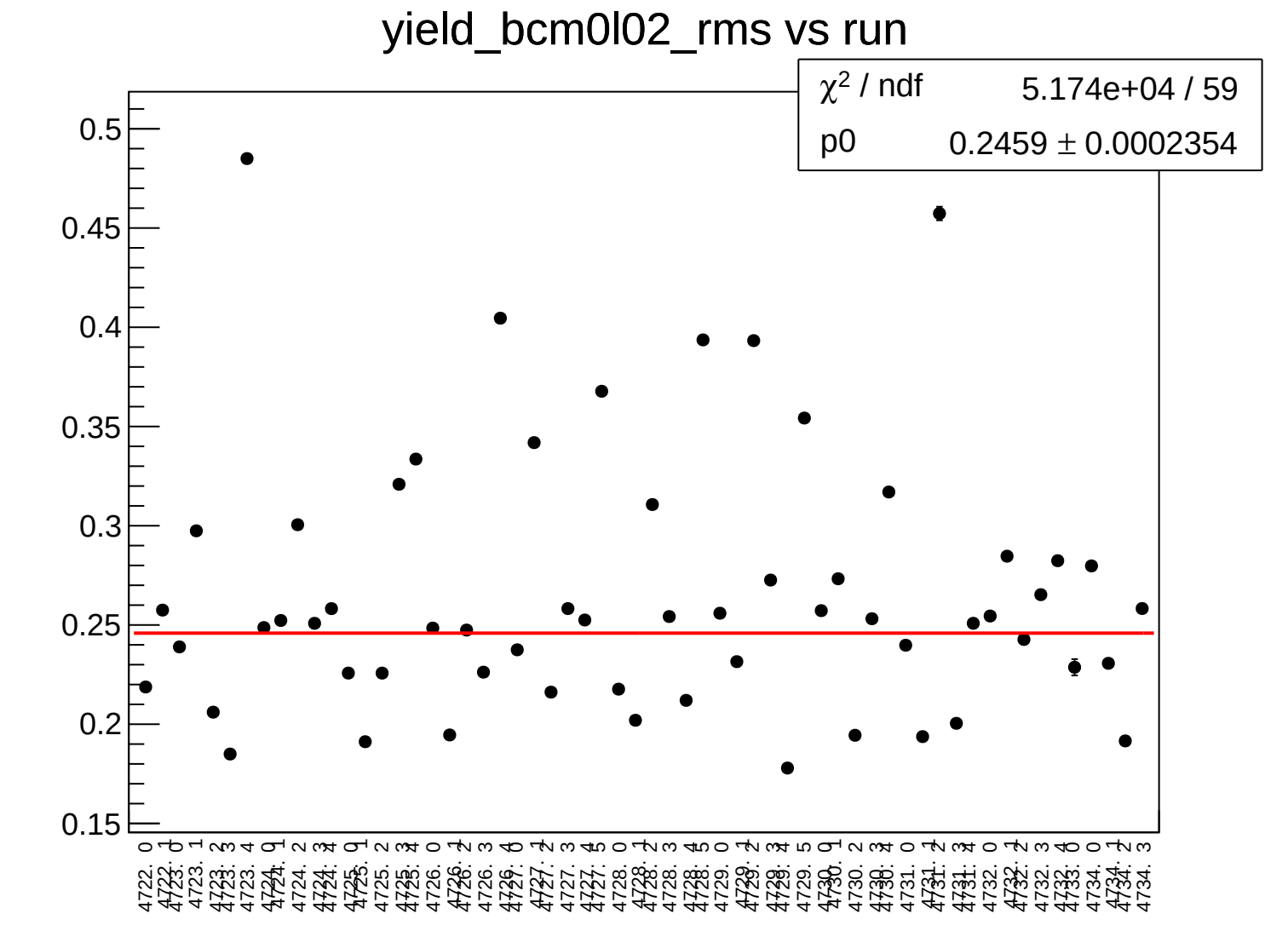

yield_cav4dQ_mean vs run
χ² / ndf 1.37e+05 / 59
p0 379 ± 9.072e−06
379.056
379.054
379.052
379.05
379.048
379.046
379.044
379.042
pull
Entries 60
Mean 1476
Std Dev 1450
80
60
40
20
0
−20
−40
−60
−80

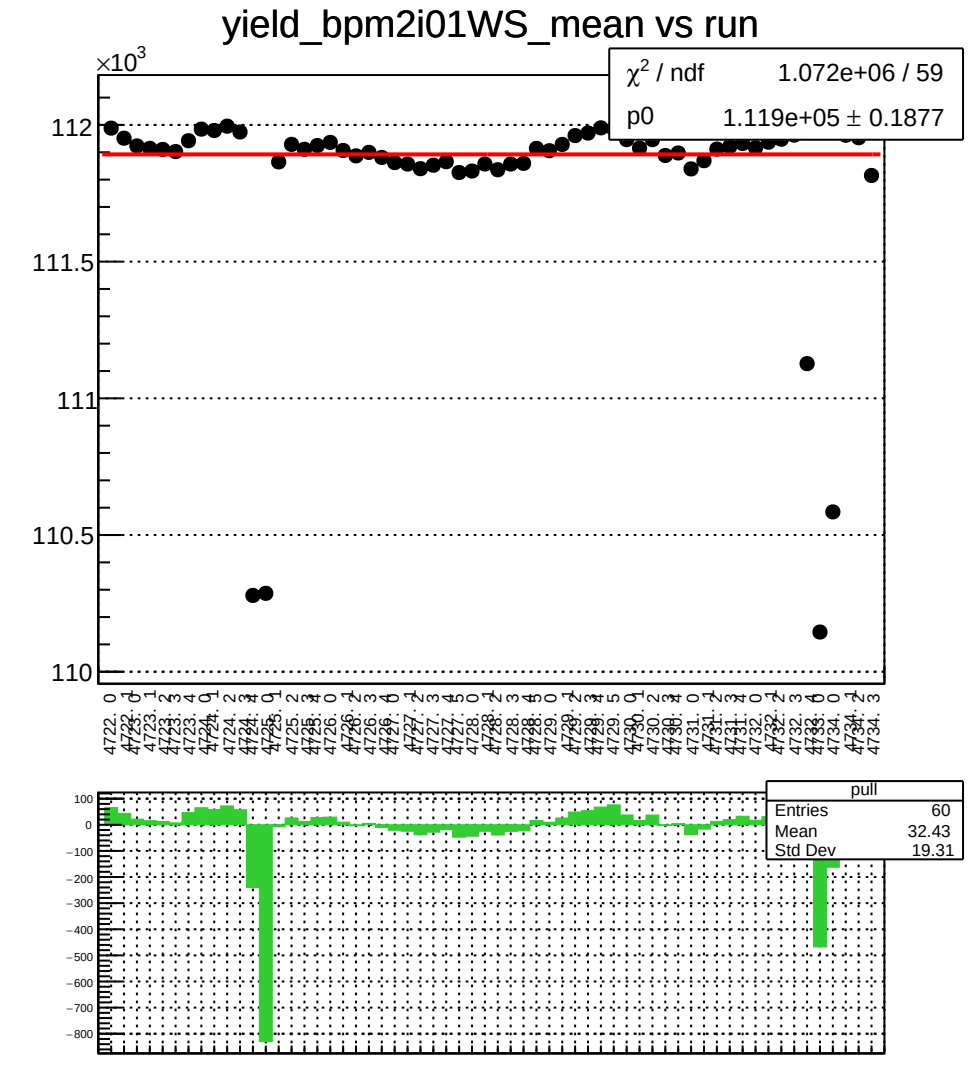

pull1D
Entries 60
Mean −0.8632
Std Dev 1.34
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

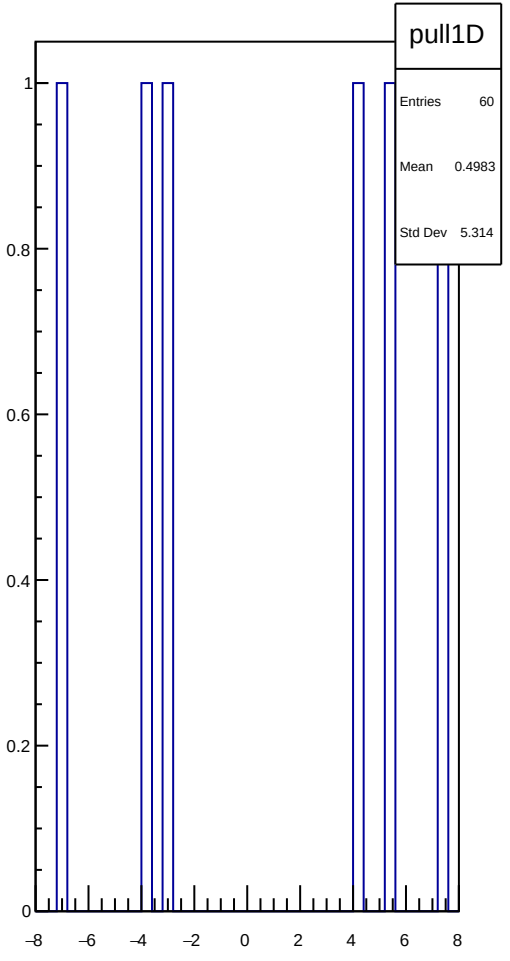

yield_cav4dQ_rms vs run
χ² / ndf 444.3 / 59
p0 0.006855 ± 6.415e−06
0.0073
0.0072
0.0071
0.007
0.0069
0.0068
0.0067
0.0066
0.0065

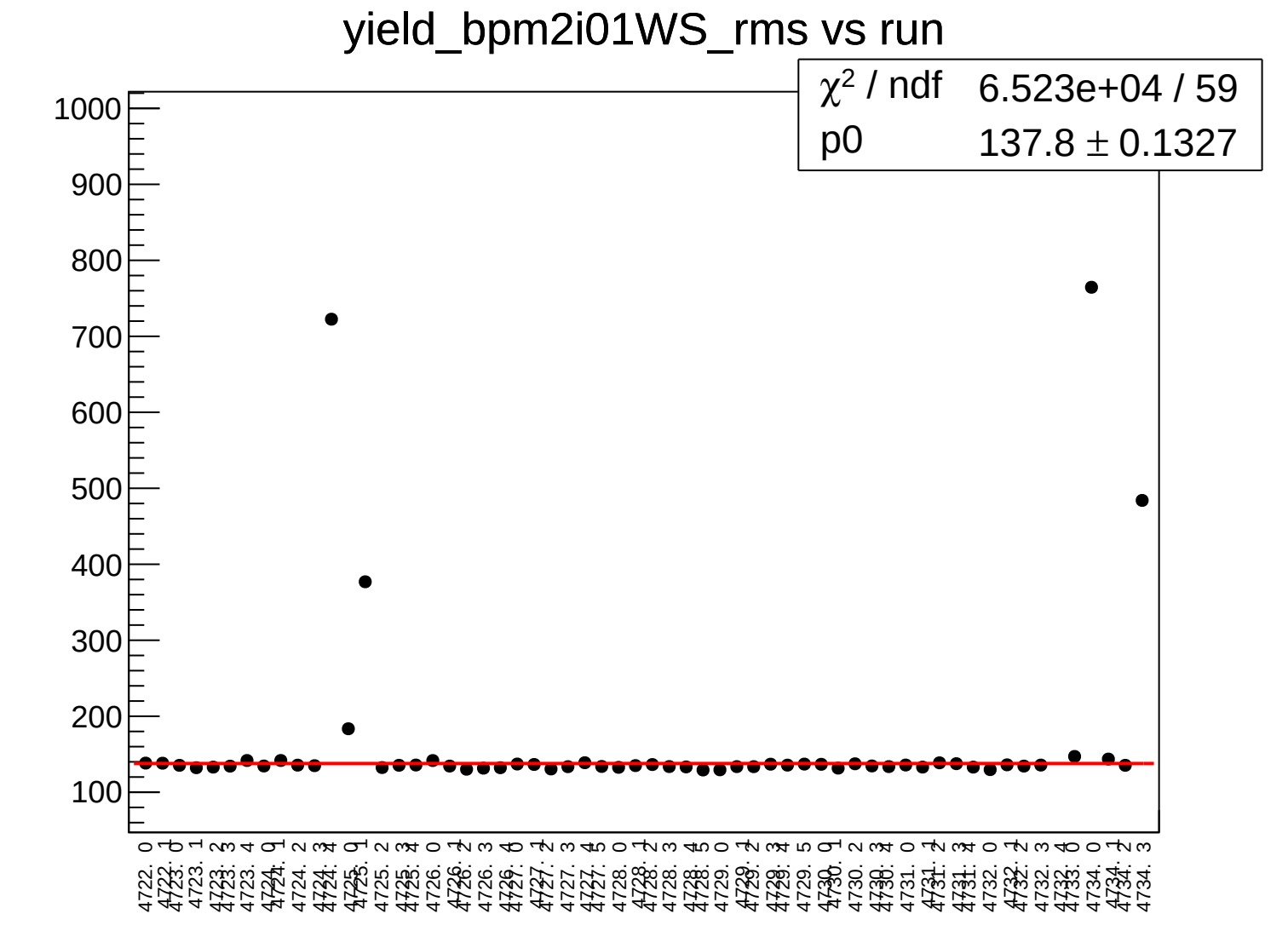

yield_bcm0l02_mean vs run
χ² / ndf 1.101e+06 / 59
p0 71.61± 0.000333
72.2
72
71.8
71.6
71.4
71.2
71
70.8
70.6
pull
Entries 60
Mean 469.6
Std Dev 443.7
300
200
100
0
−100
−200
−300

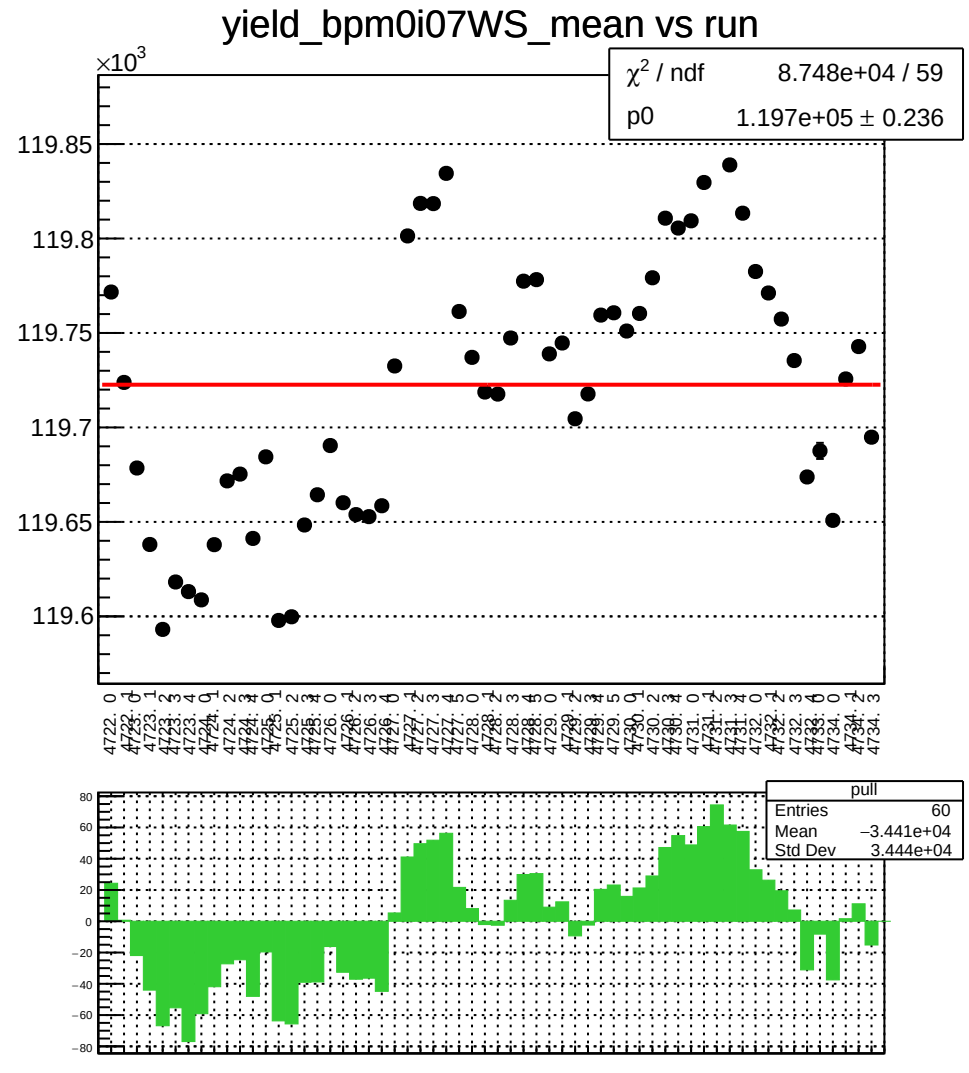

pull1D
Entries 60
Mean 2.622
Std Dev 4.155
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

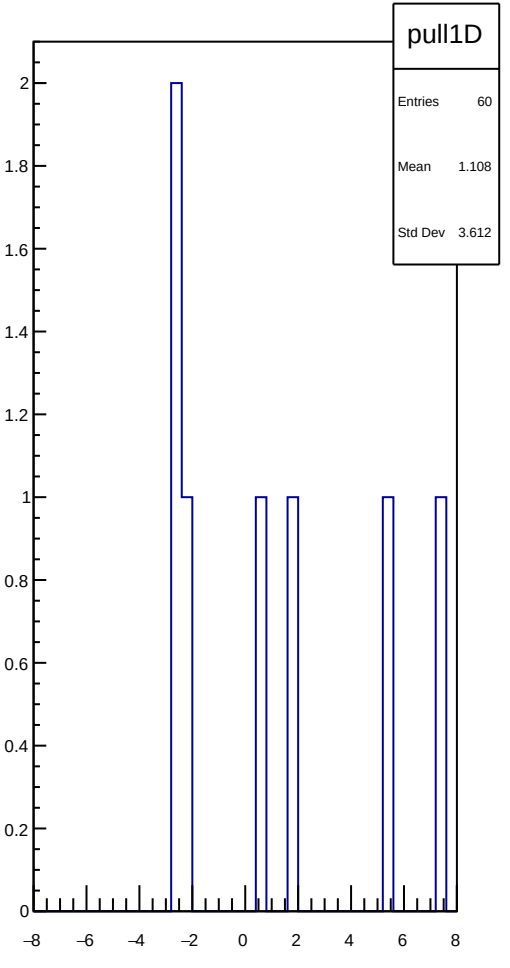

yield_bcm0l02_rms vs run
χ² / ndf 5.174e+04 / 59
p0 0.2459 ± 0.0002354
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

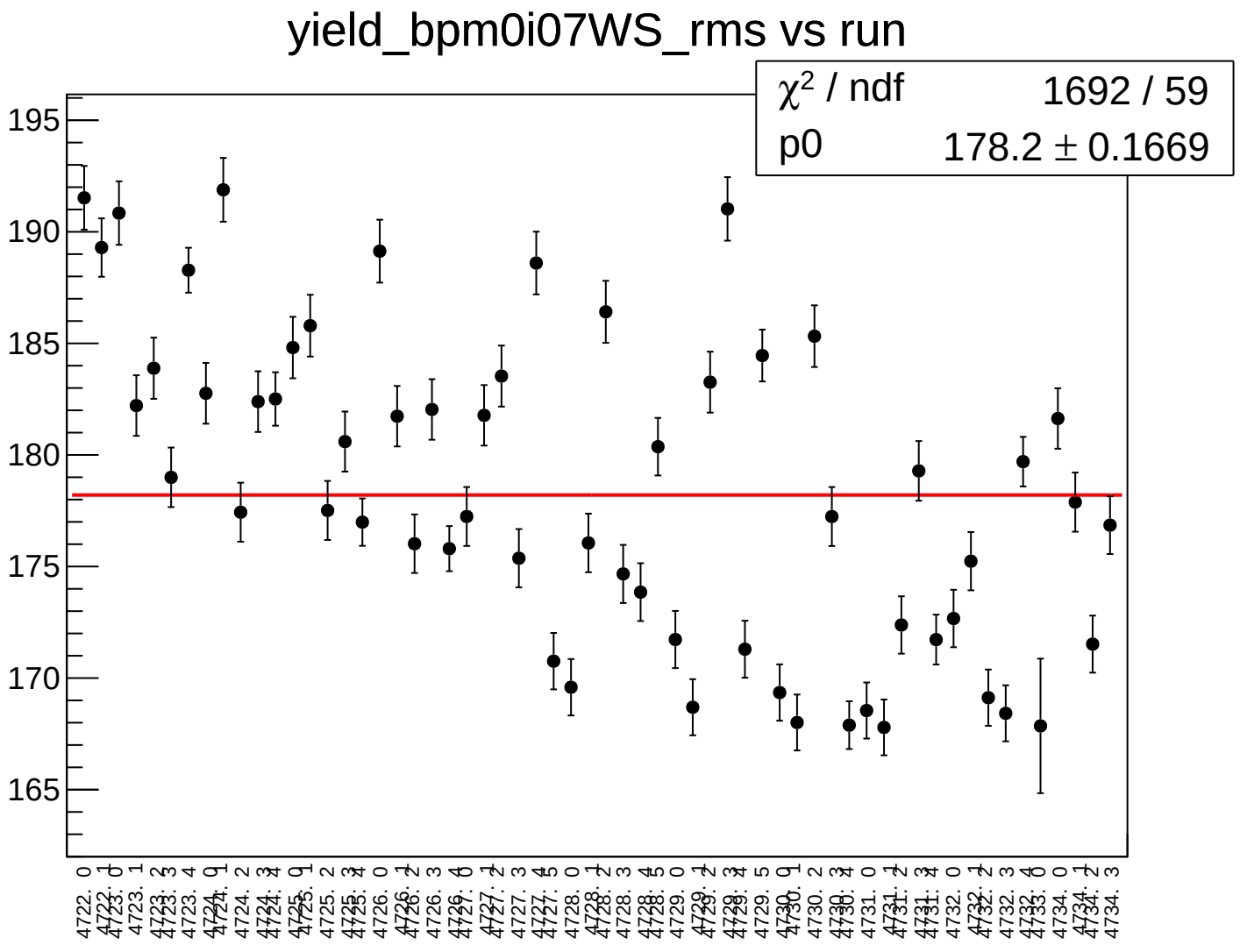

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.072e+06 / 59
p0 1.119e+05 ± 0.1877
112
111.5
111
110.5
110
pull
Entries 60
Mean 32.43
Std Dev 19.31
100
0
−100
−200
−300
−400
−500
−600
−700
−800

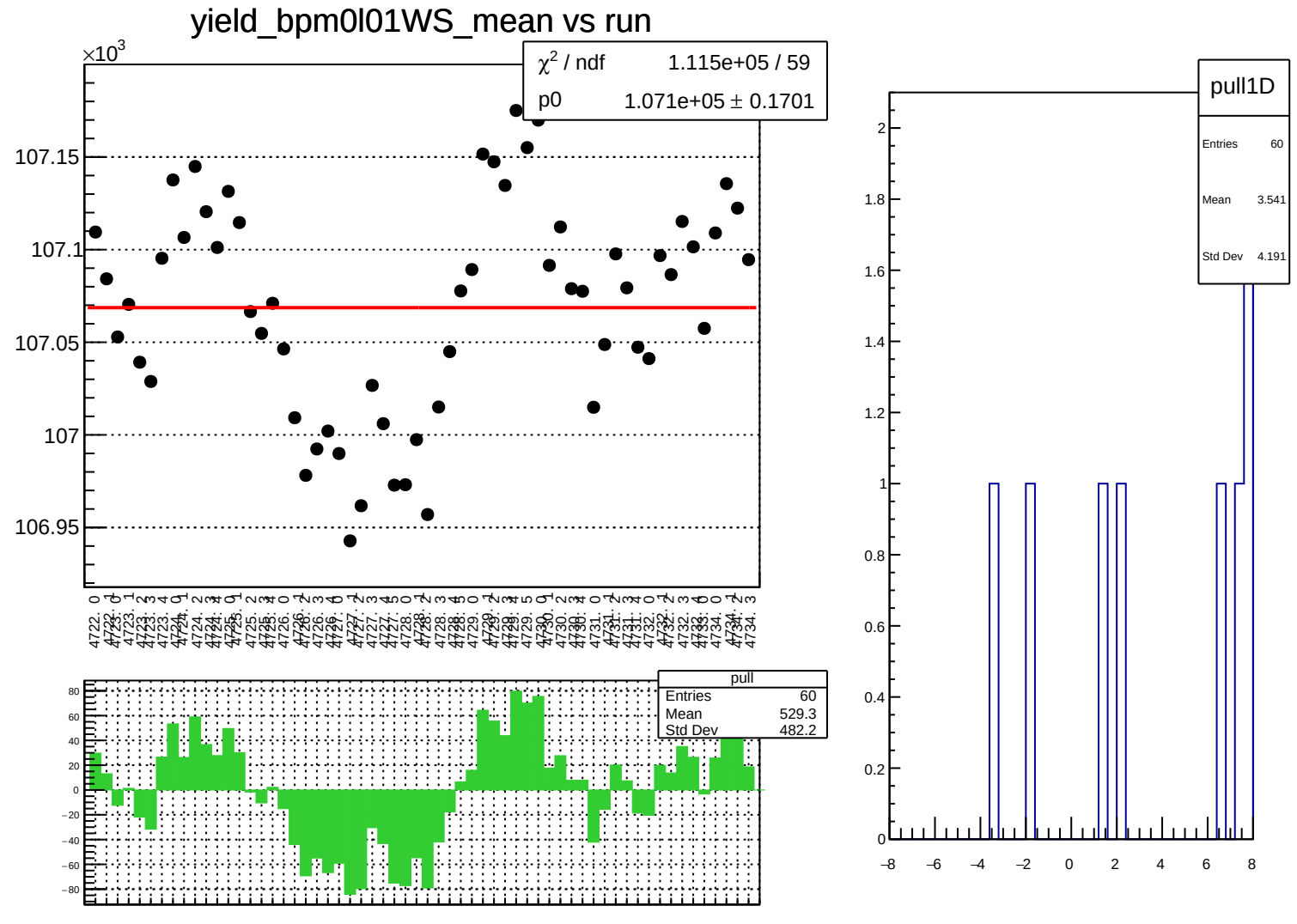

pull1D
Entries 60
Mean 0.4983
Std Dev 5.314
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

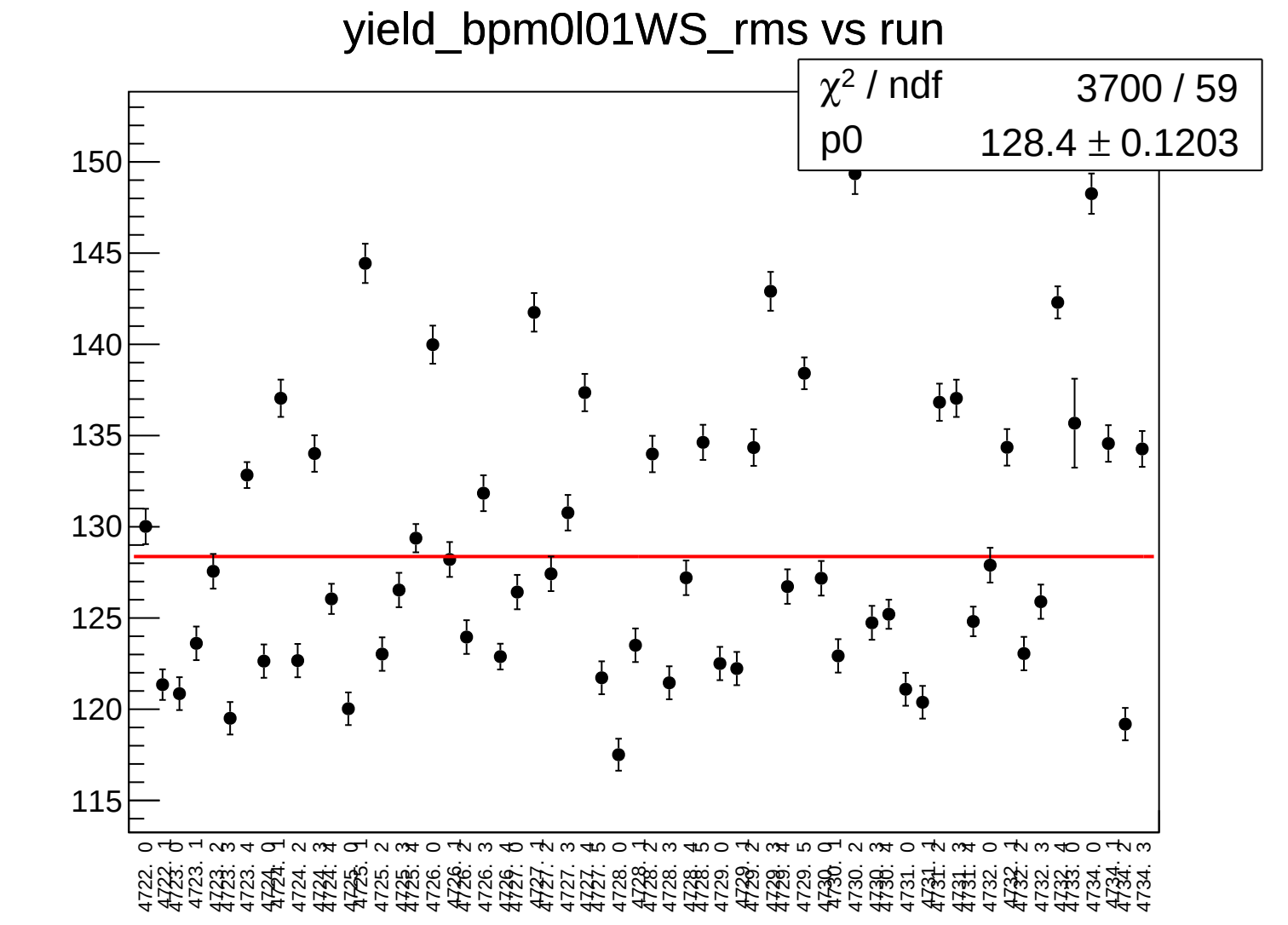

yield_bpm2i01WS_rms vs run
χ² / ndf 6.523e+04 / 59
p0 137.8 ± 0.1327
1000
900
800
700
600
500
400
300
200
100
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

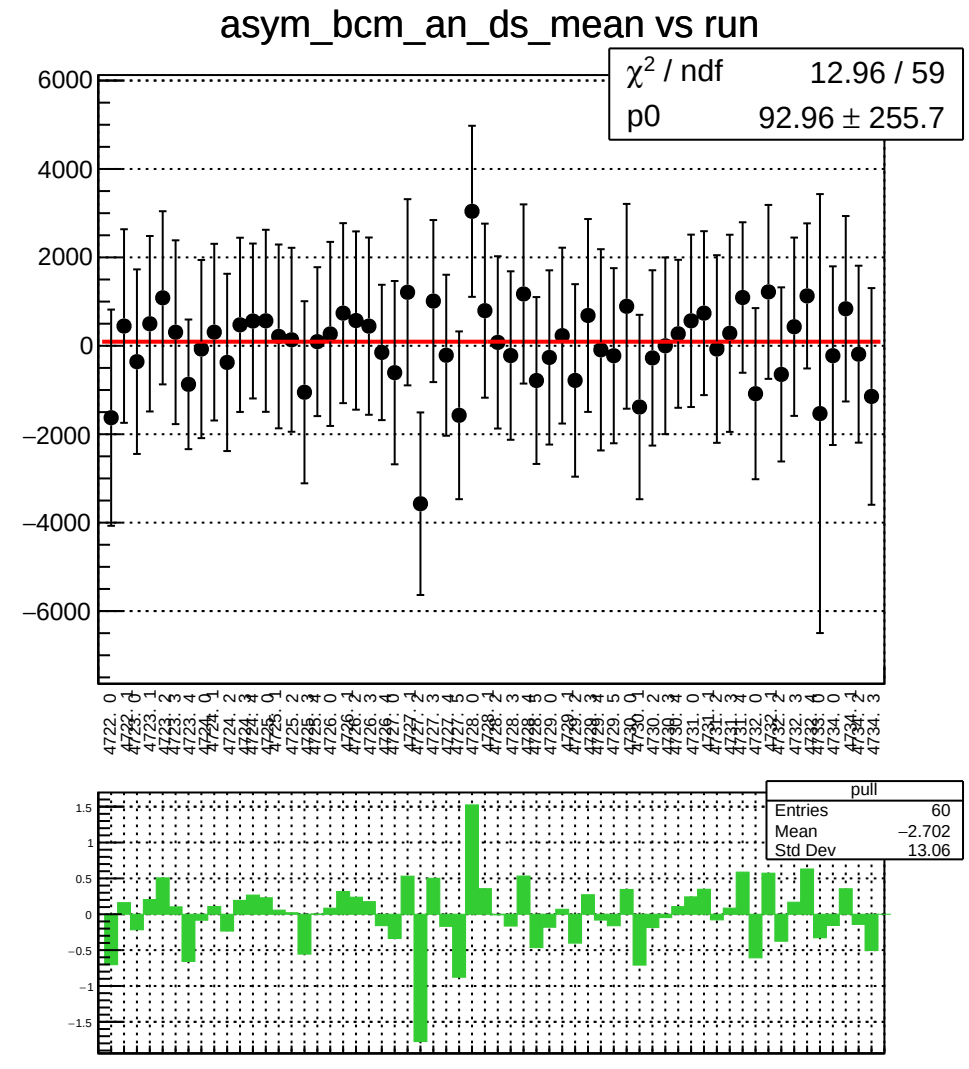

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8.748e+04 / 59
p0 1.197e+05 ± 0.236
119.85
119.8
119.75
119.7
119.65
119.6
pull
Entries 60
Mean −3.441e+04
Std Dev 3.444e+04
80
60
40
20
0
−20
−40
−60
−80

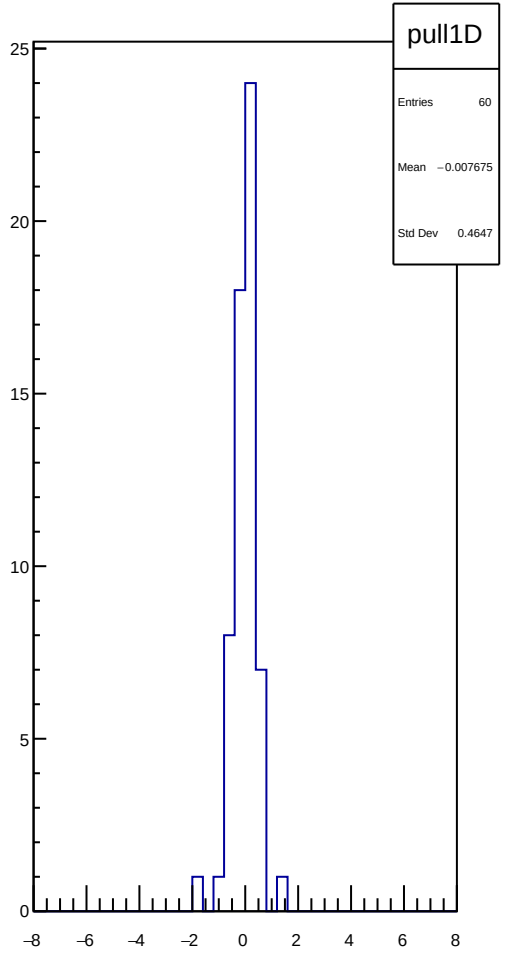

pull1D
Entries 60
Mean 1.108
Std Dev 3.612
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

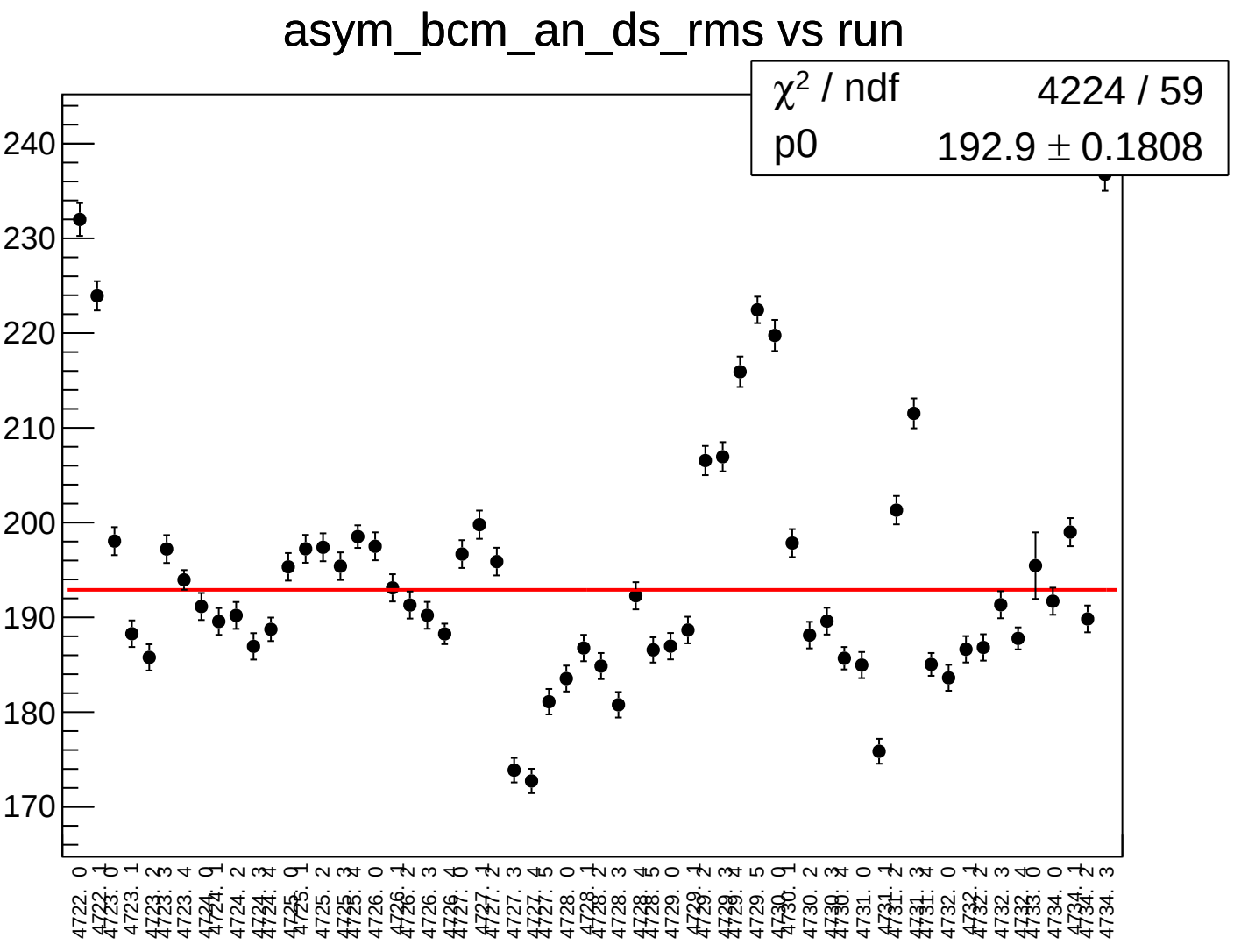

yield_bpm0i07WS_rms vs run
χ² / ndf 1692 / 59
p0 178.2 ± 0.1669
195
190
185
180
175
170
165
4722. 0
4722. 1
4722. 2
4722. 3
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

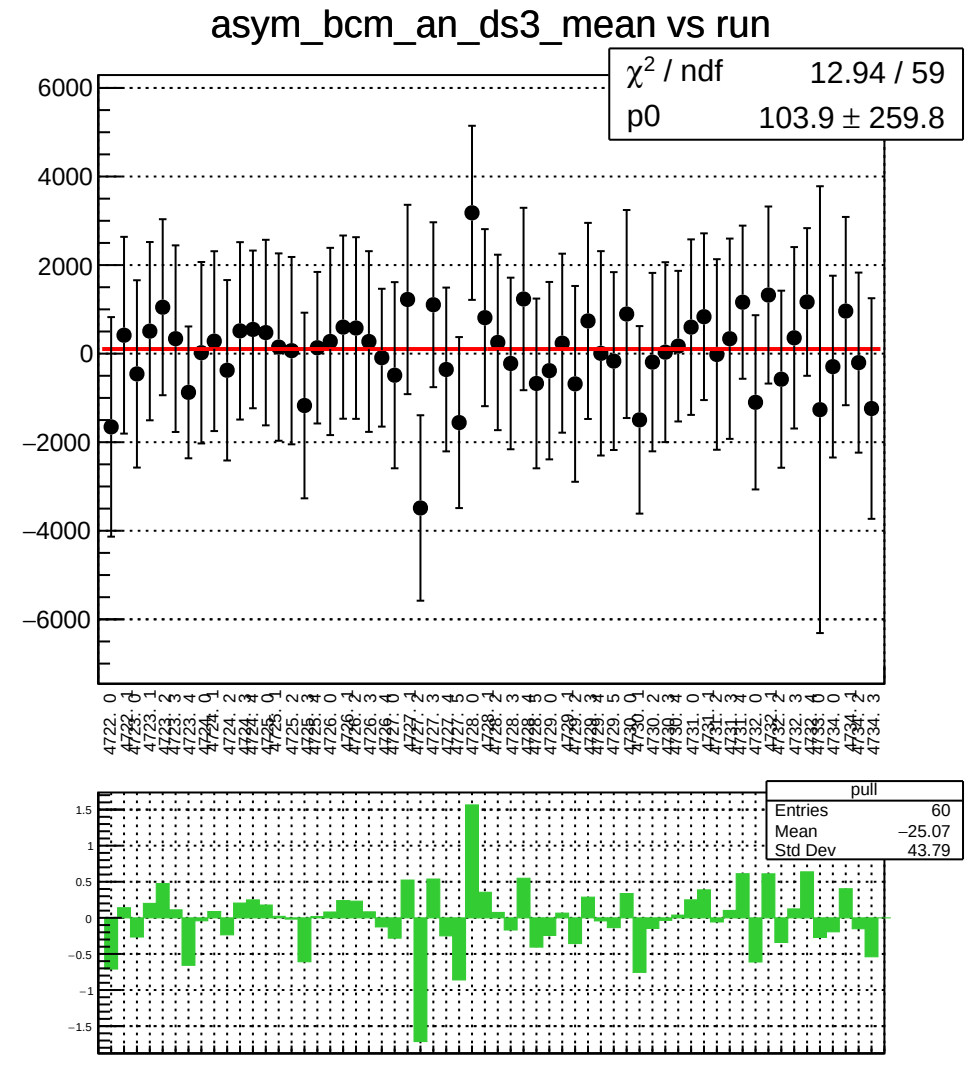

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.115e+05 / 59
p0 1.071e+05 ± 0.1701
107.15
107.1
107.05
107
106.95
pull
Entries 60
Mean 529.3
Std Dev 482.2
pull1D
Entries 60
Mean 3.541
Std Dev 4.191

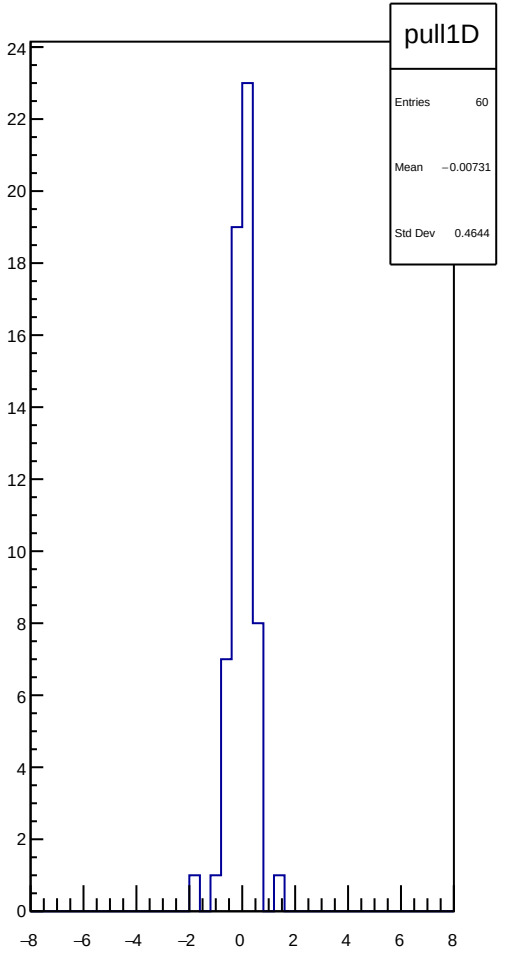

yield_bpm0l01WS_rms vs run
χ² / ndf 3700 / 59
p0 128.4 ± 0.1203
150
145
140
135
130
125
120
115
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

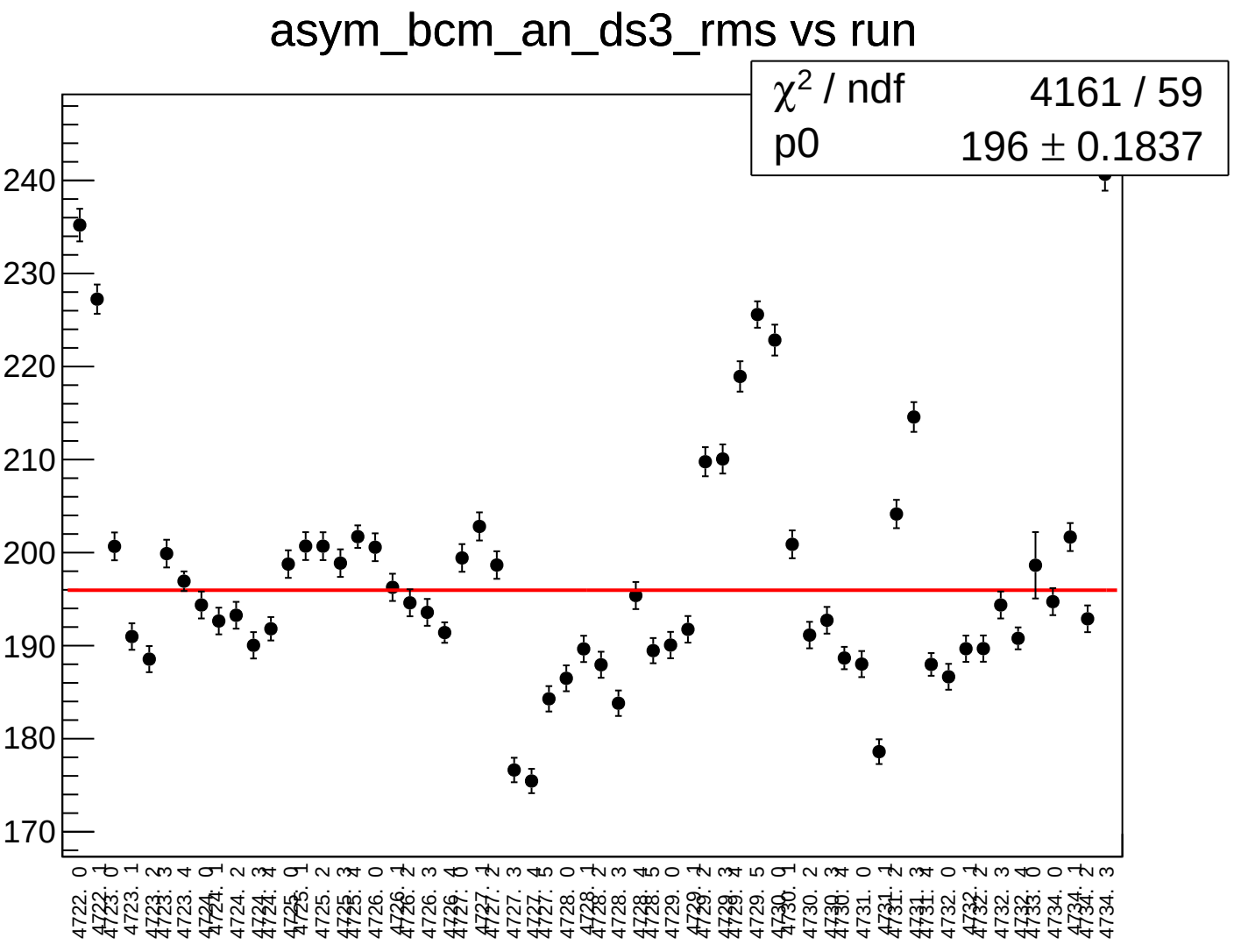

asym_bcm_an_ds_mean vs run
χ² / ndf 12.96 / 59
p0 92.96 ± 255.7
pull
Entries 60
Mean −2.702
Std Dev 13.06

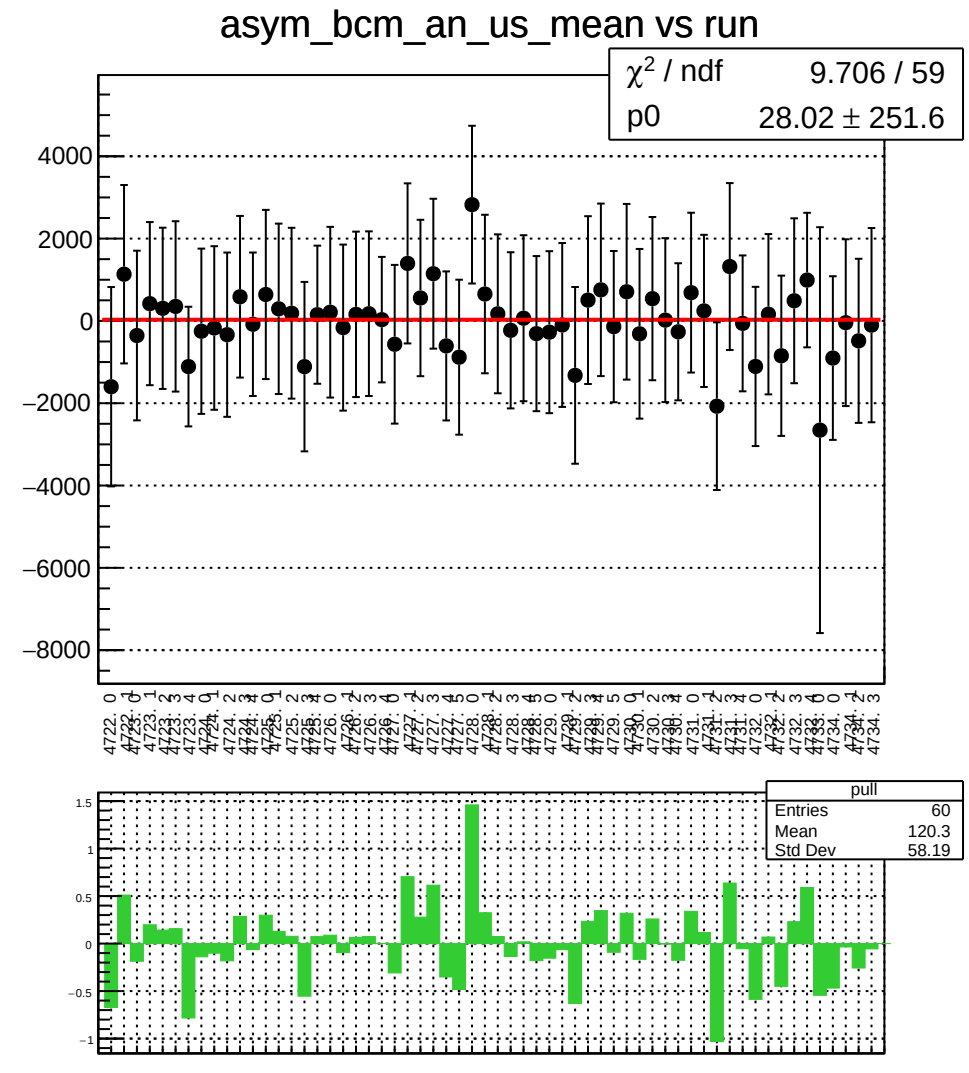

pull1D
Entries 60
Mean −0.007675
Std Dev 0.4647

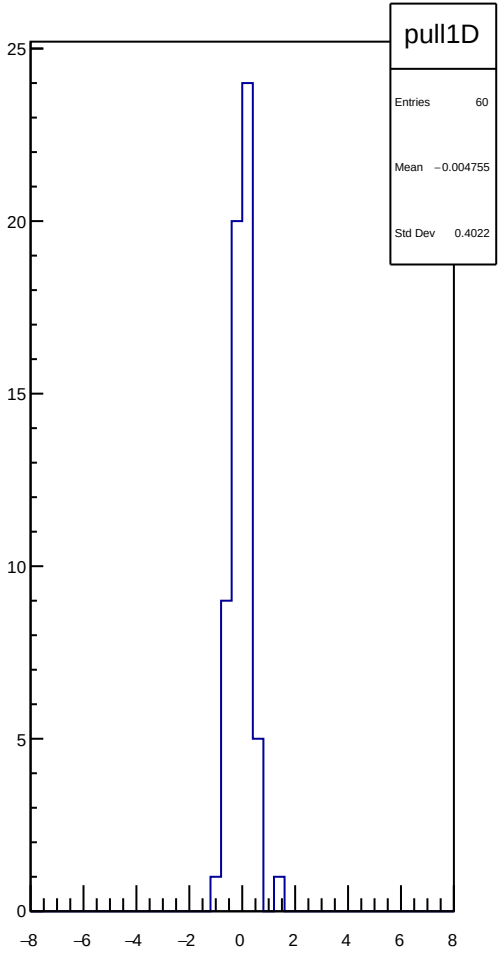

asym_bcm_an_ds_rms vs run
χ² / ndf 4224 / 59
p0 192.9 ± 0.1808
240
230
220
210
200
190
180
170
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

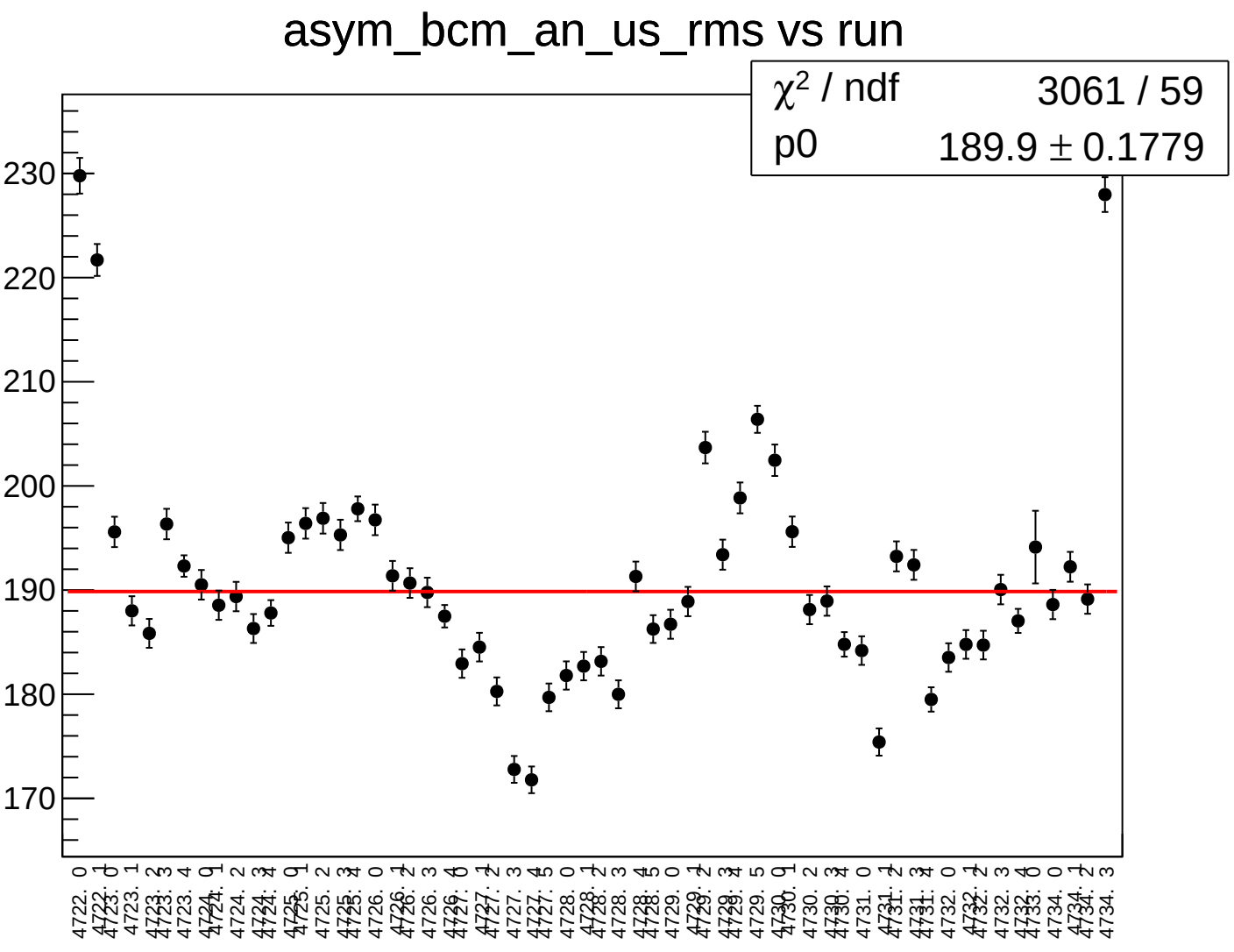

asym_bcm_an_ds3_mean vs run
χ² / ndf 12.94 / 59
p0 103.9 ± 259.8
pull
Entries 60
Mean −25.07
Std Dev 43.79

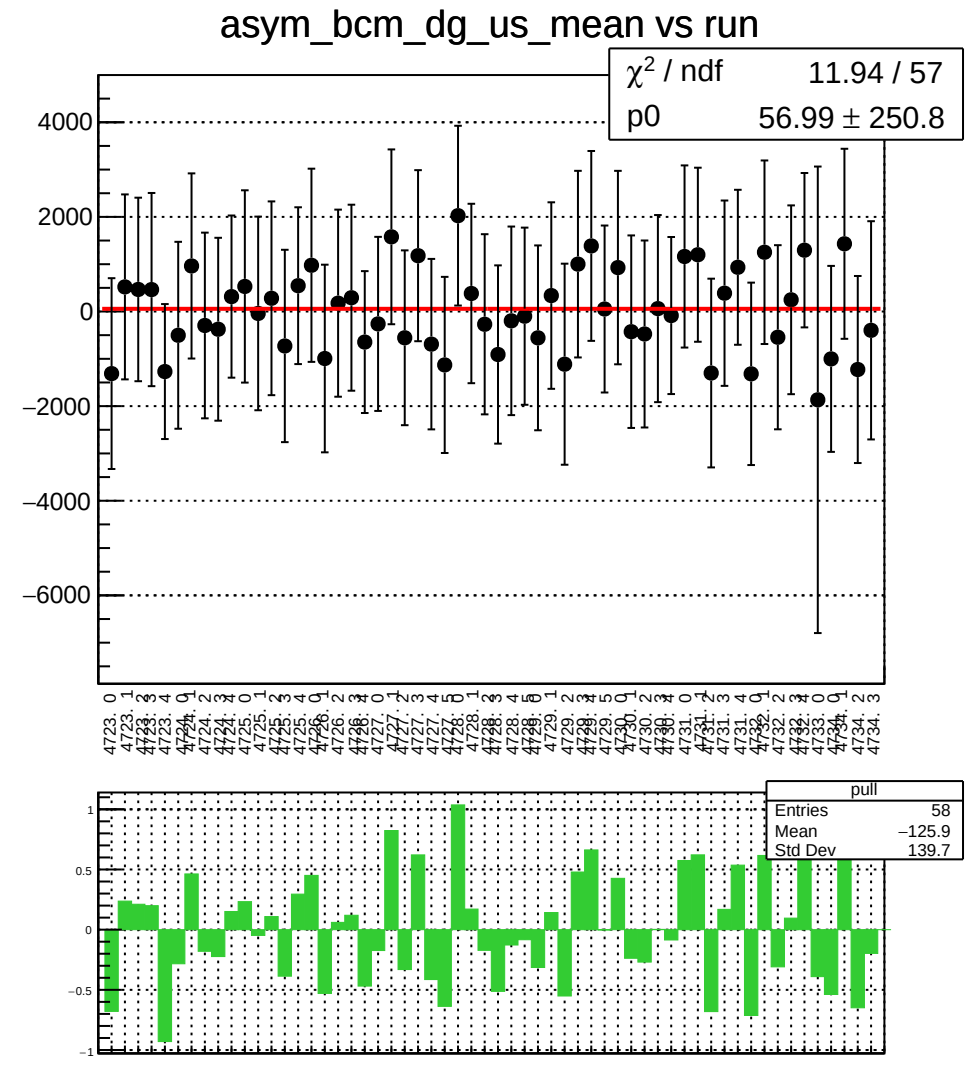

pull1D
Entries 60
Mean −0.00731
Std Dev 0.4644

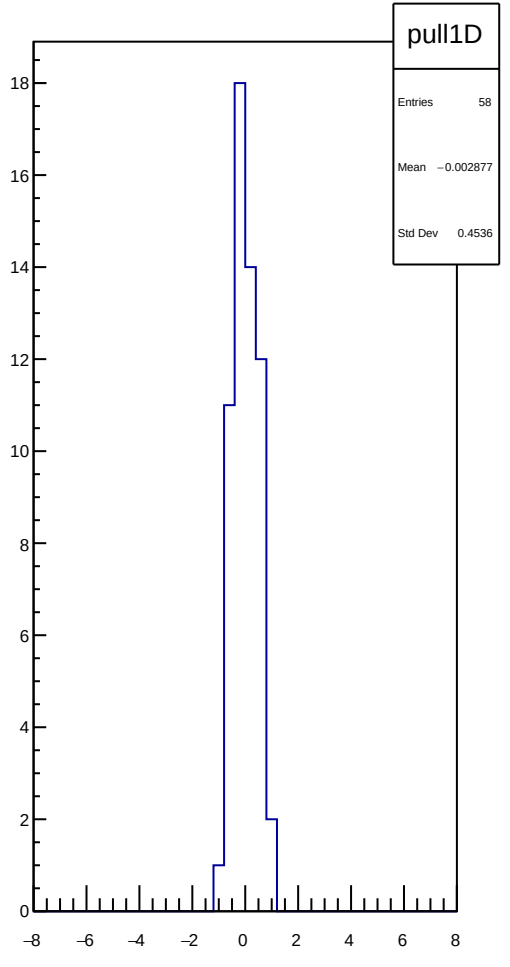

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 4161 / 59
p0 196 ± 0.1837
240
230
220
210
200
190
180
170
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

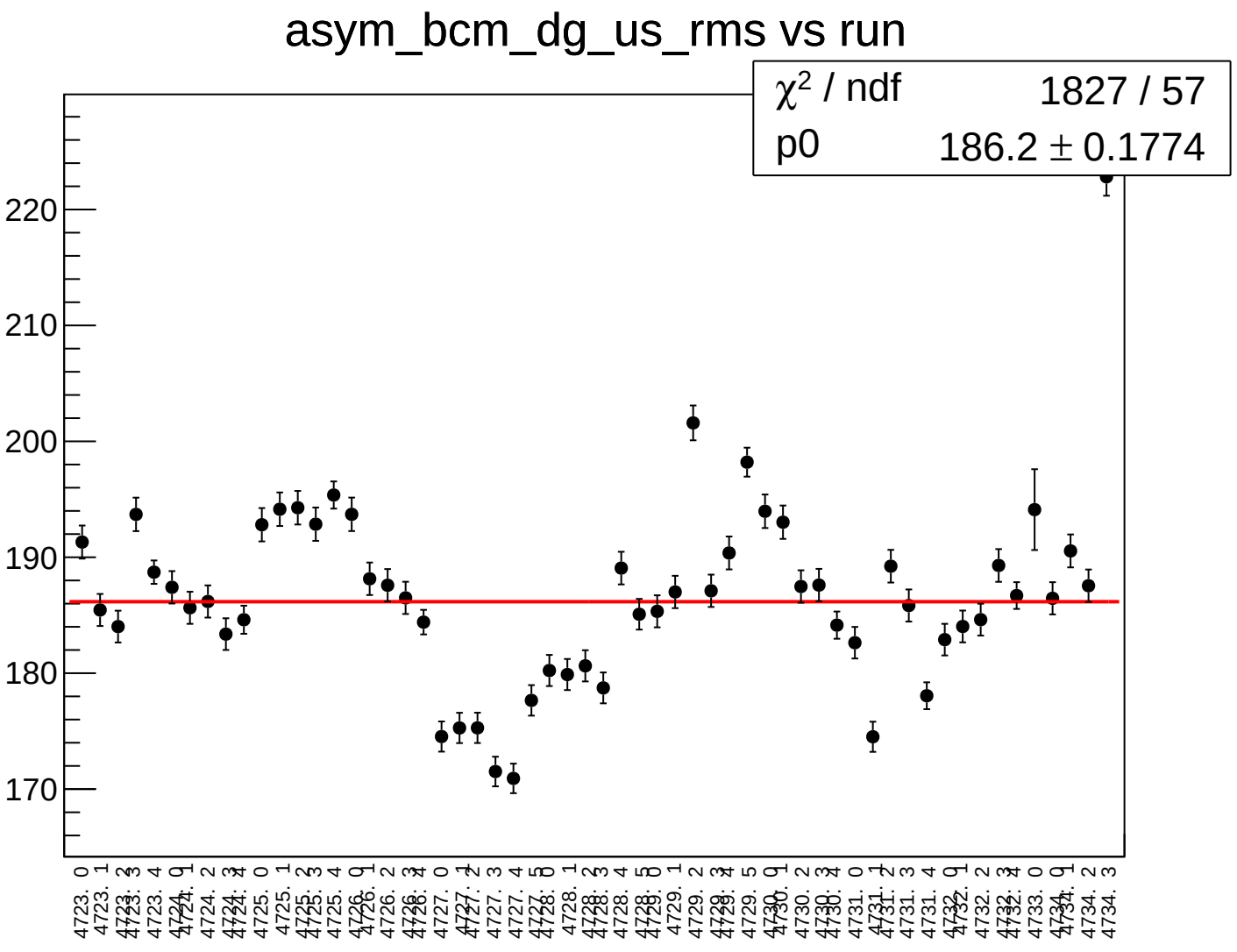

asym_bcm_an_us_mean vs run
χ² / ndf 9.706 / 59
p0 28.02 ± 251.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 60
Mean 120.3
Std Dev 58.19
1.5
1
0.5
0
−0.5
−1

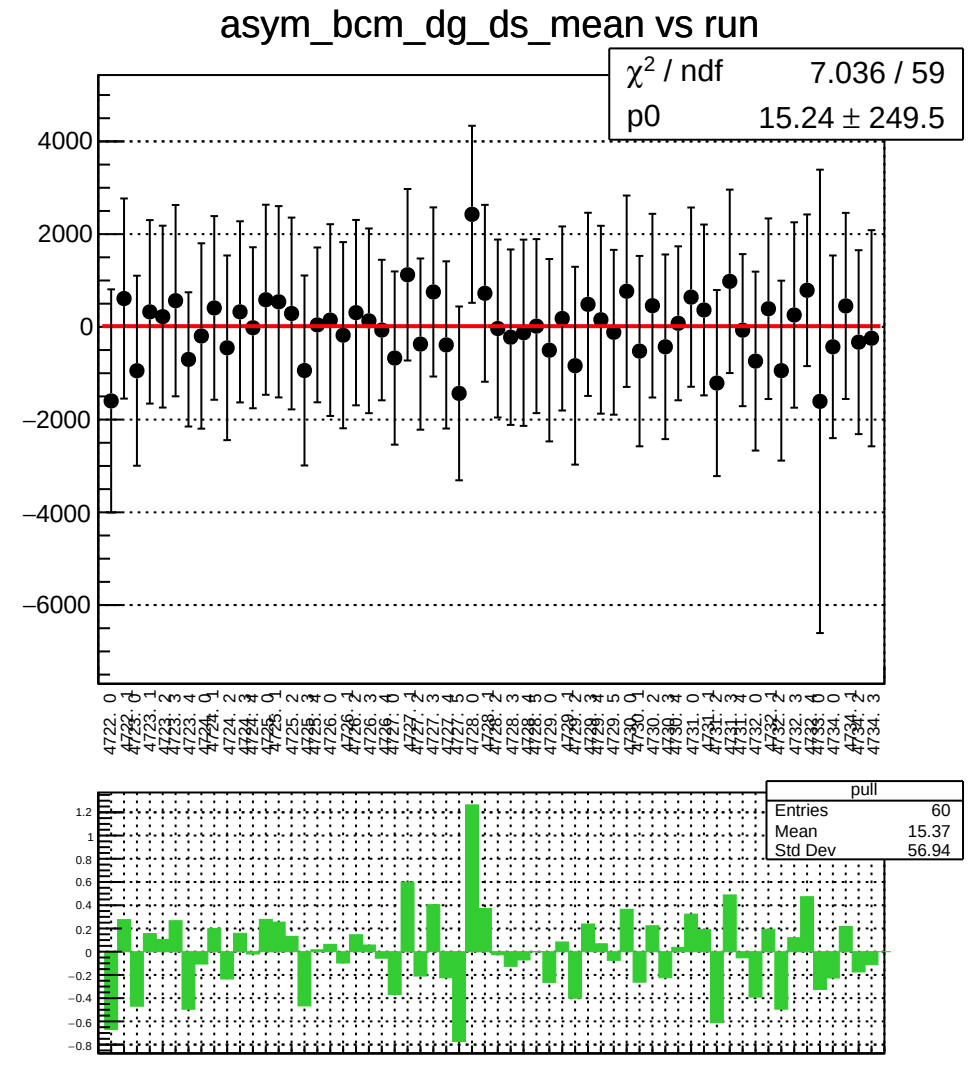

pull1D
Entries 60
Mean −0.004755
Std Dev 0.4022
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

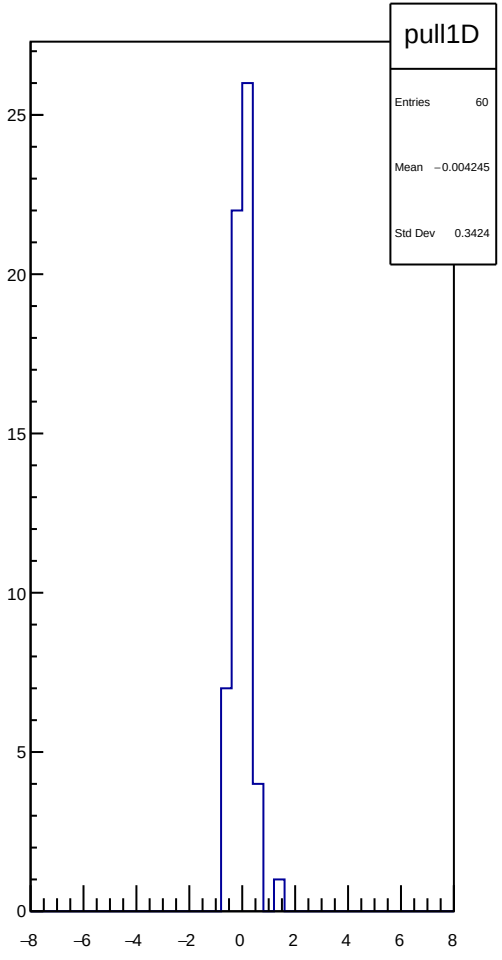

asym_bcm_an_us_rms vs run
χ² / ndf 3061 / 59
p0 189.9 ± 0.1779
230
220
210
200
190
180
170

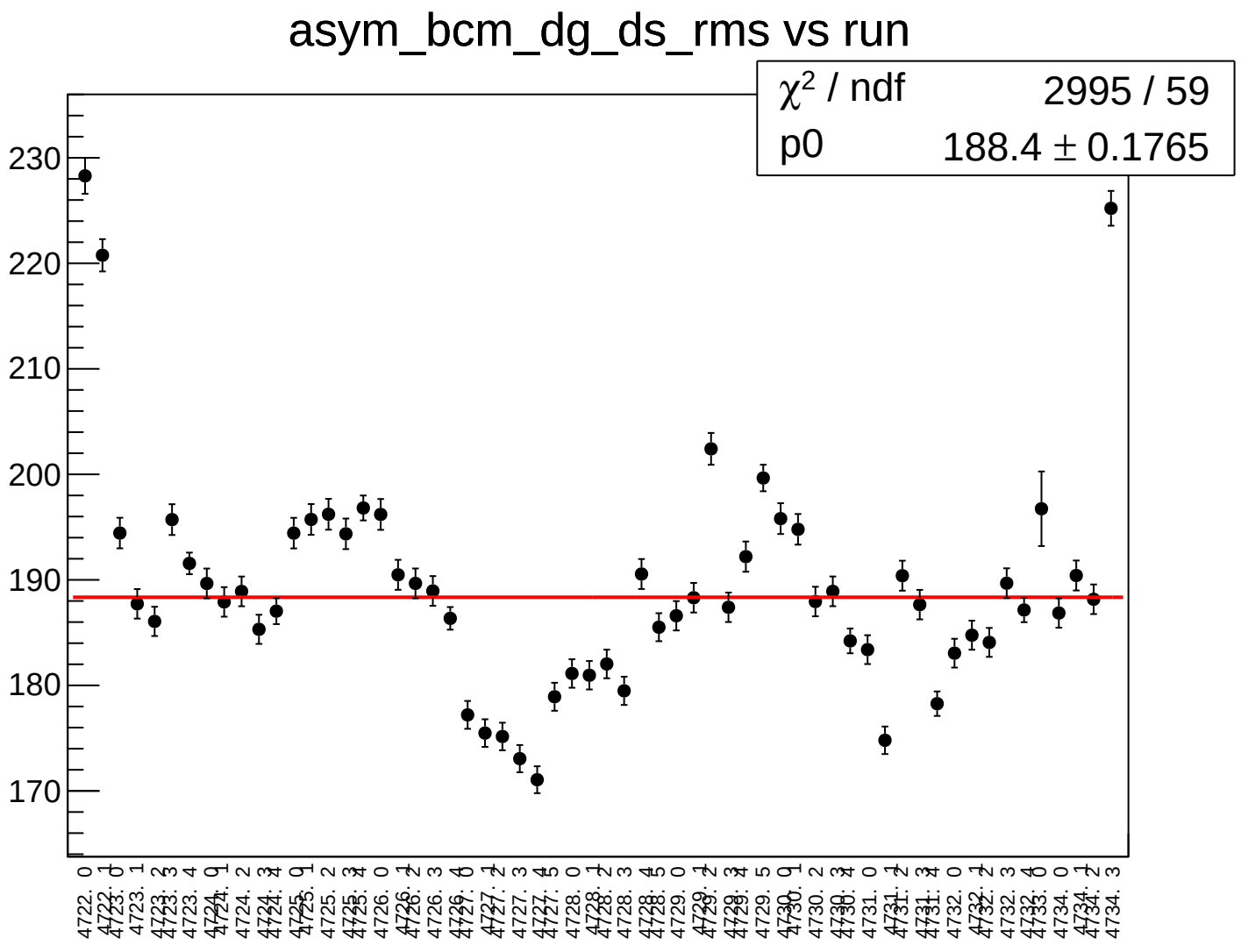

asym_bcm_dg_us_mean vs run
χ² / ndf 11.94 / 57
p0 56.99 ± 250.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 58
Mean −125.9
Std Dev 139.7
1
0.5
0
−0.5
−1

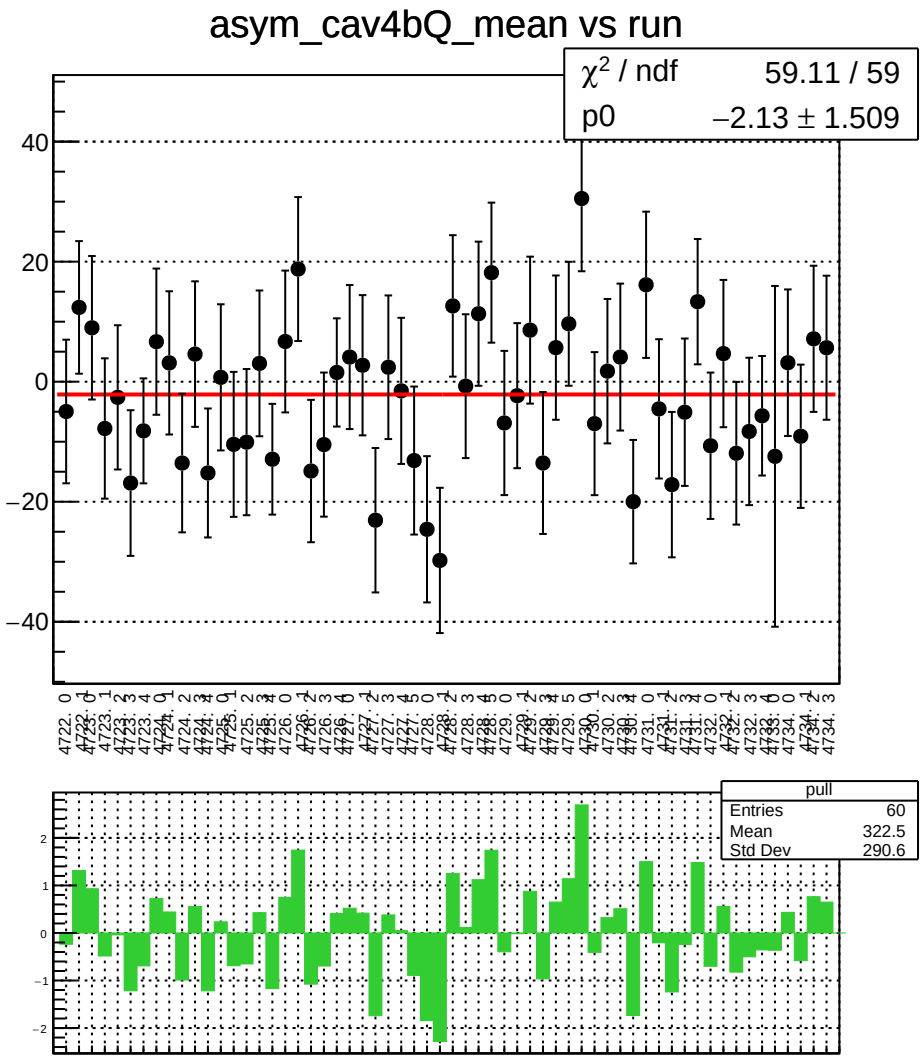

pull1D
Entries 58
Mean −0.002877
Std Dev 0.4536
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

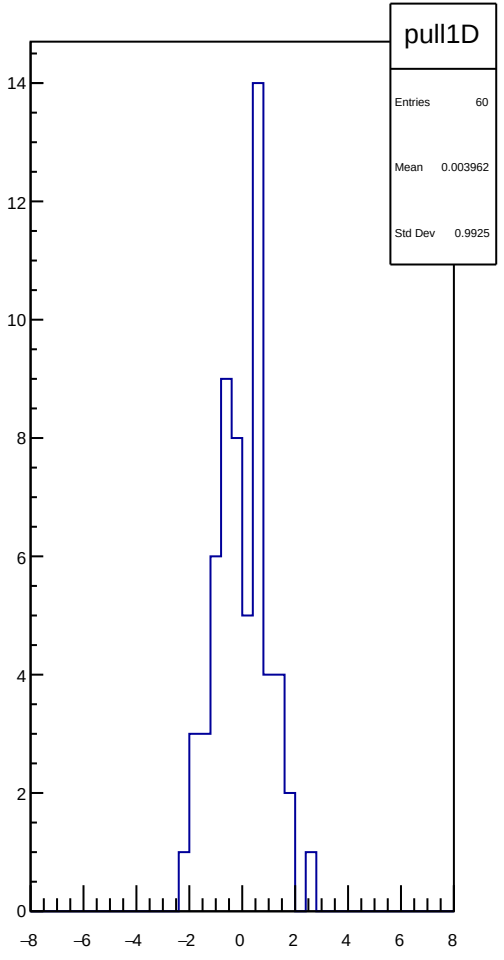

asym_bcm_dg_us_rms vs run
χ² / ndf 1827 / 57
p0 186.2 ± 0.1774
220
210
200
190
180
170

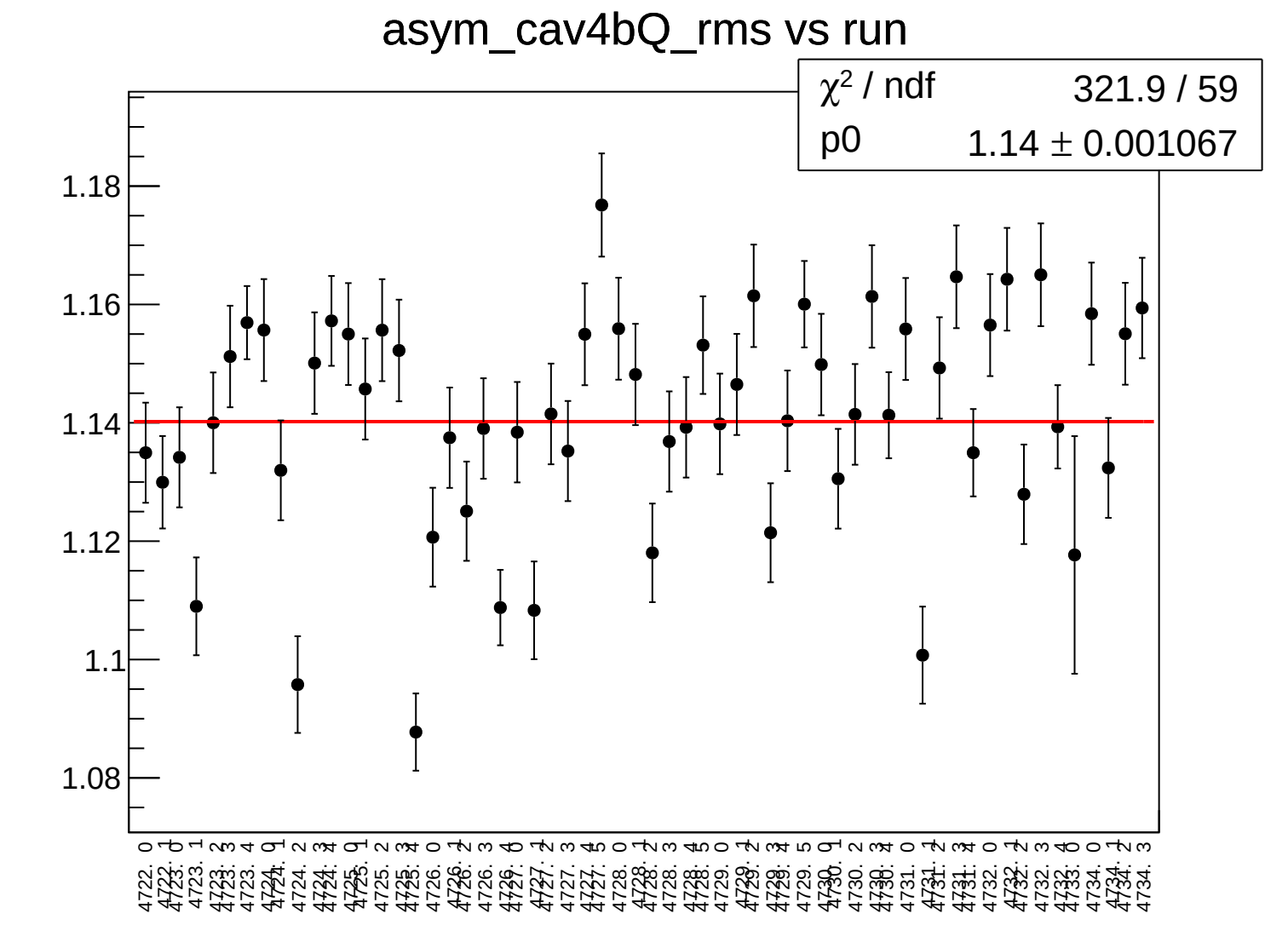

asym_bcm_dg_ds_mean vs run
χ² / ndf 7.036 / 59
p0 15.24 ± 249.5
pull
Entries 60
Mean 15.37
Std Dev 56.94

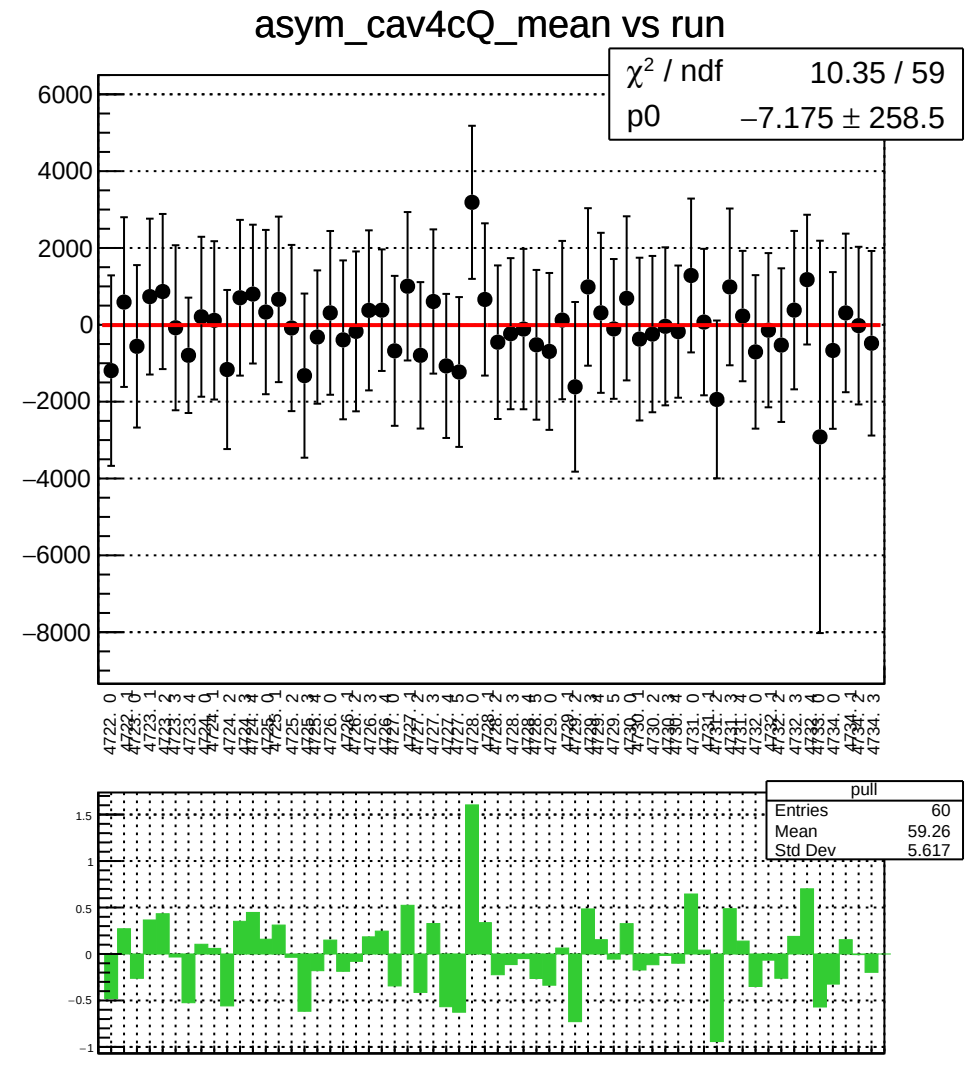

pull1D
Entries 60
Mean −0.004245
Std Dev 0.3424

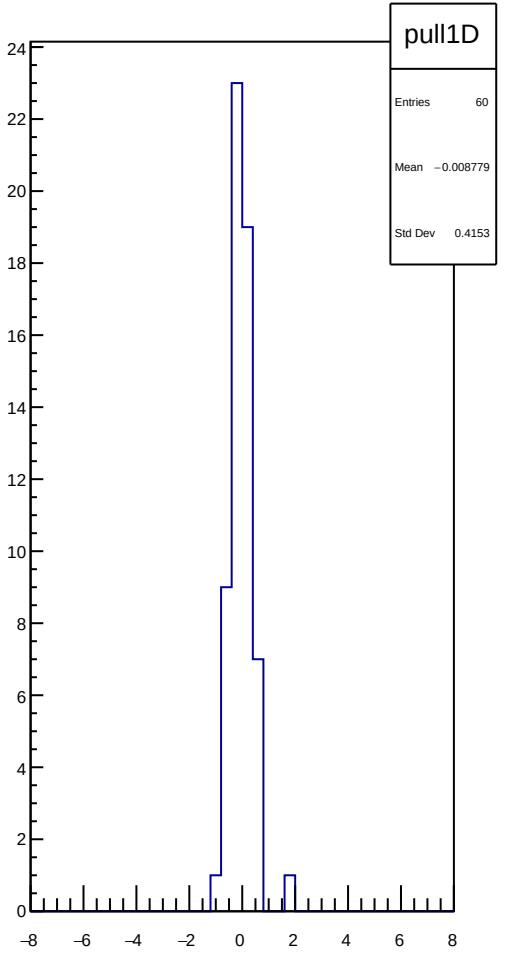

asym_bcm_dg_ds_rms vs run
χ² / ndf 2995 / 59
p0 188.4 ± 0.1765
230
220
210
200
190
180
170
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

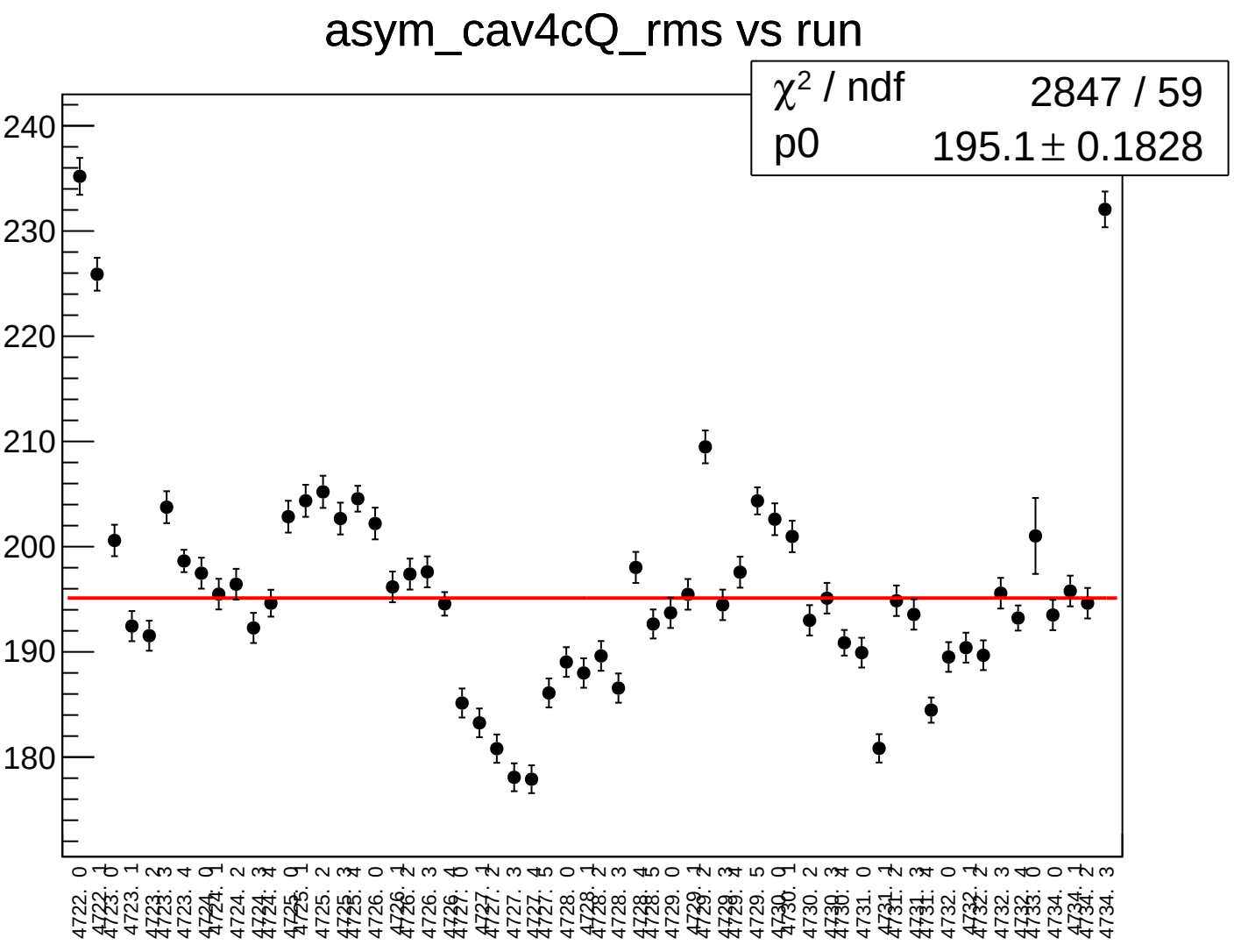

asym_cav4bQ_mean vs run
χ² / ndf 59.11 / 59
p0 −2.13 ± 1.509
pull
Entries 60
Mean 322.5
Std Dev 290.6

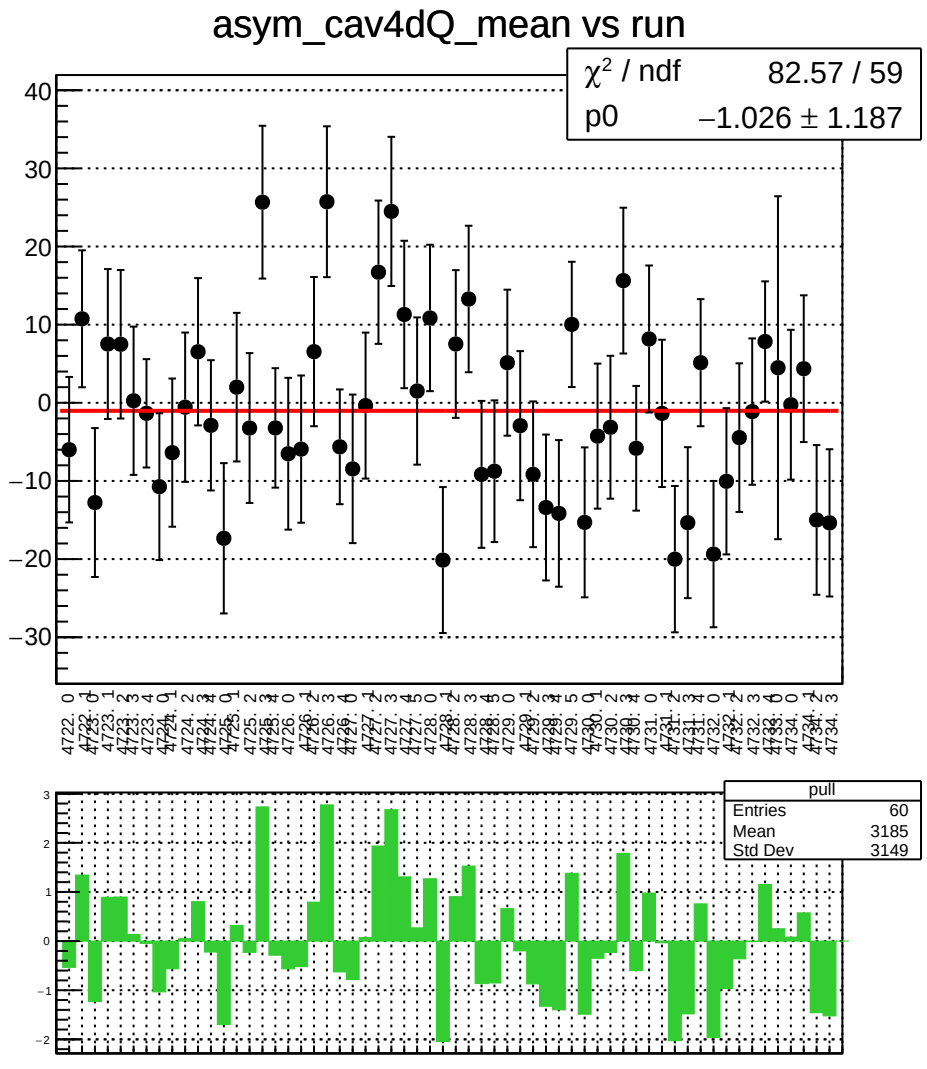

pull1D
Entries 60
Mean 0.003962
Std Dev 0.9925

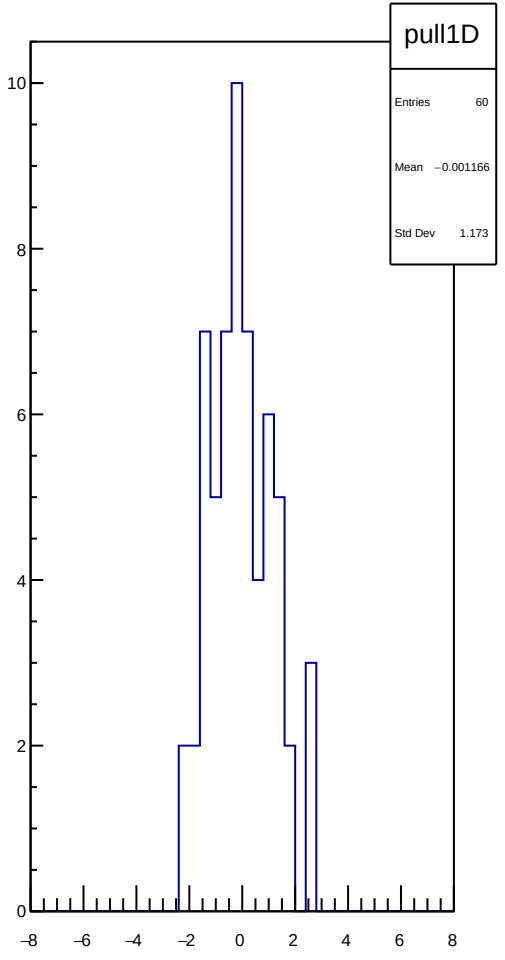

asym_cav4bQ_rms vs run
χ² / ndf 321.9 / 59
p0 1.14 ± 0.001067
1.18
1.16
1.14
1.12
1.1
1.08
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

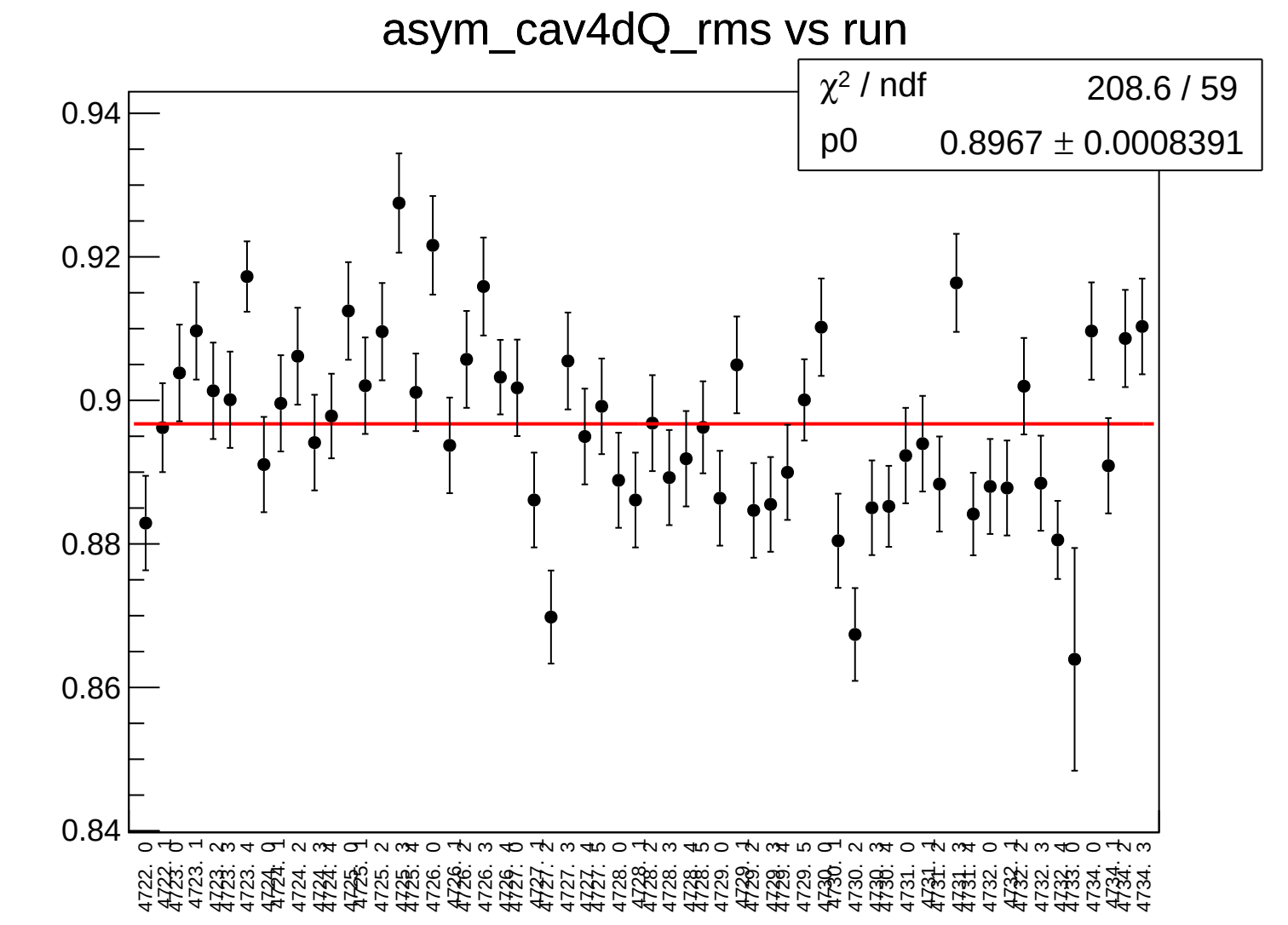

asym_cav4cQ_mean vs run
χ² / ndf 10.35 / 59
p0 −7.175 ± 258.5
pull
Entries 60
Mean 59.26
Std Dev 5.617

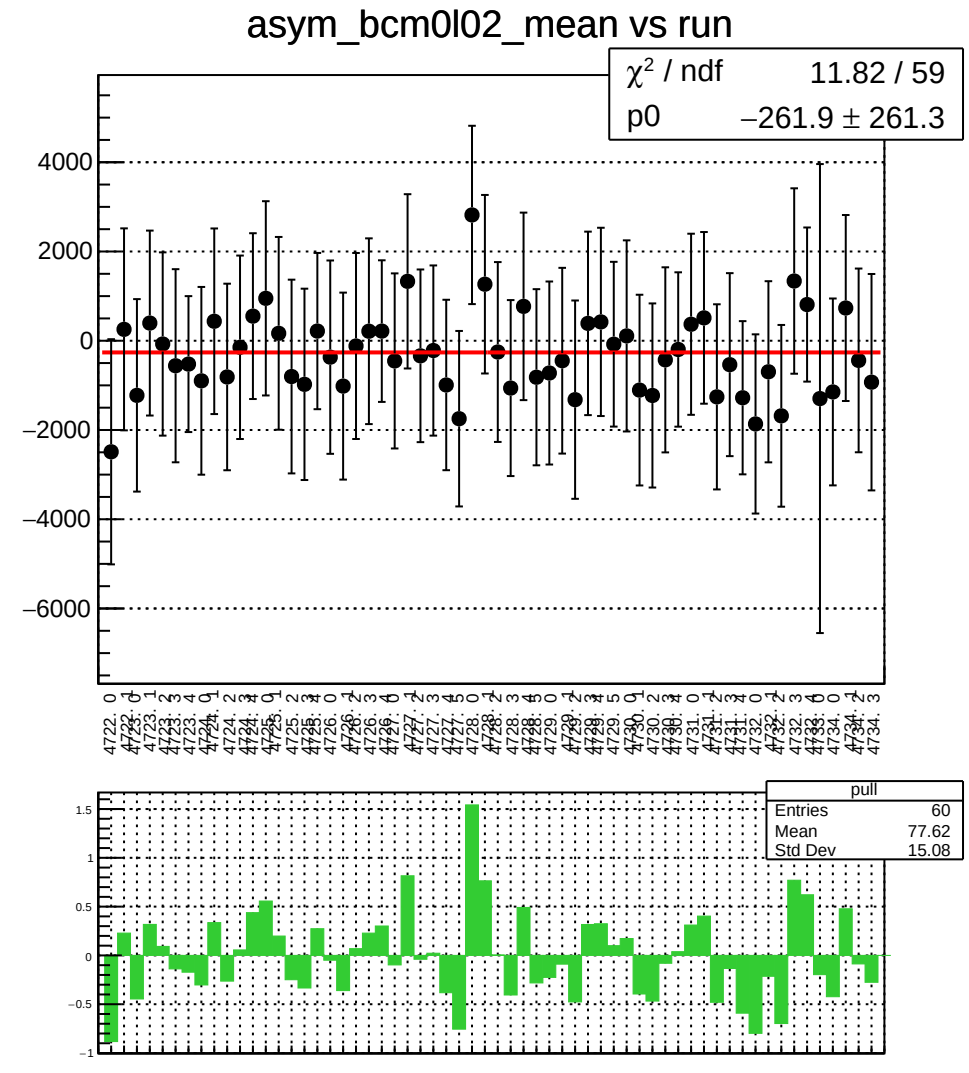

pull1D
Entries 60
Mean −0.008779
Std Dev 0.4153

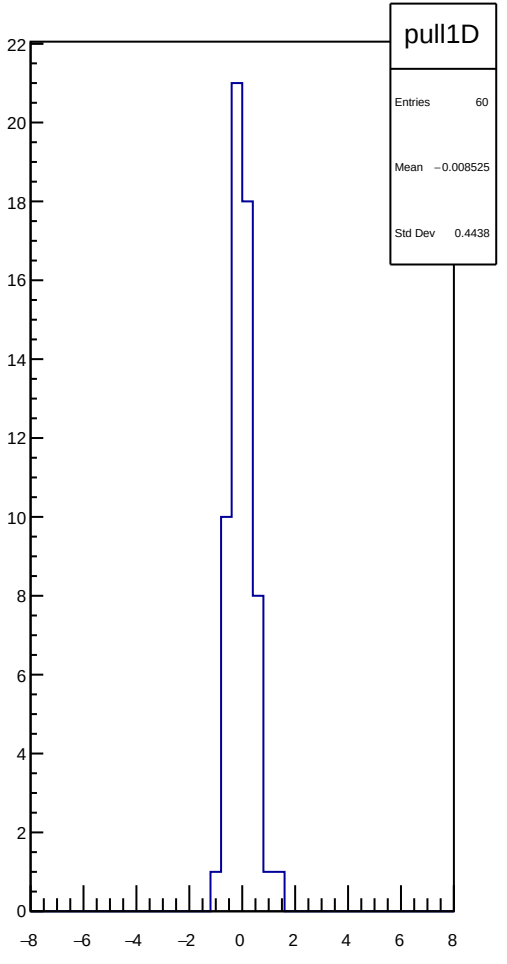

asym_cav4cQ_rms vs run
χ² / ndf 2847 / 59
p0 195.1 ± 0.1828
240
230
220
210
200
190
180
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

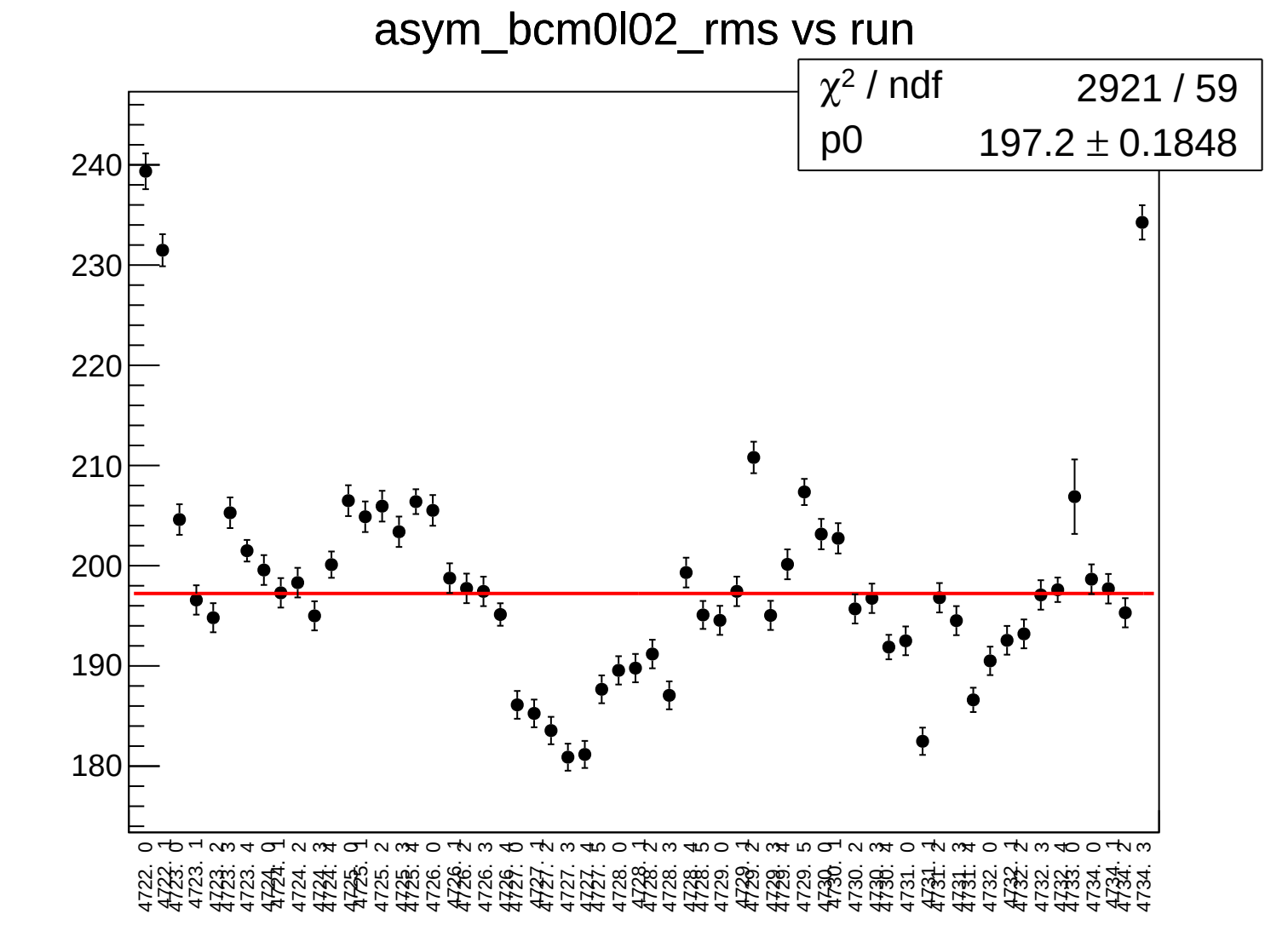

asym_cav4dQ_mean vs run
χ² / ndf 82.57 / 59
p0 −1.026 ± 1.187
pull
Entries 60
Mean 3185
Std Dev 3149

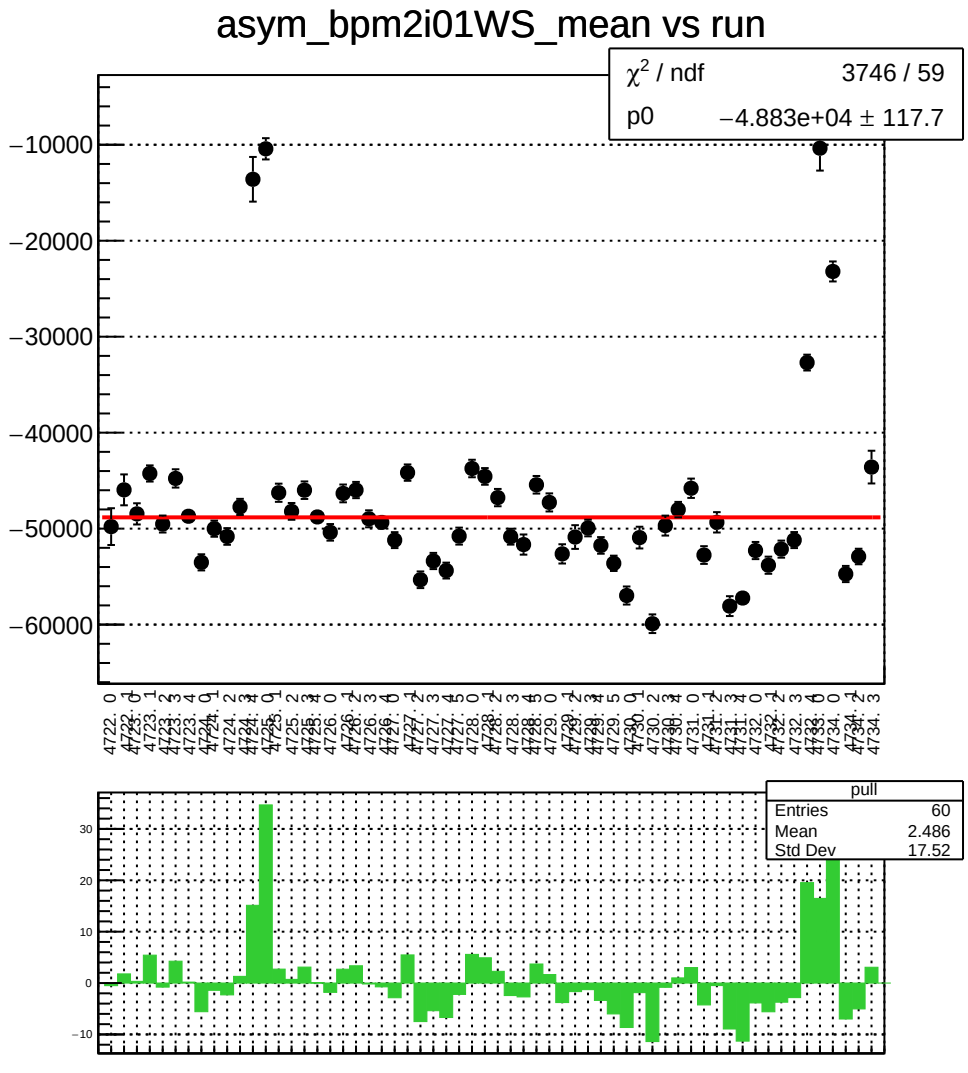

pull1D
Entries 60
Mean −0.001166
Std Dev 1.173

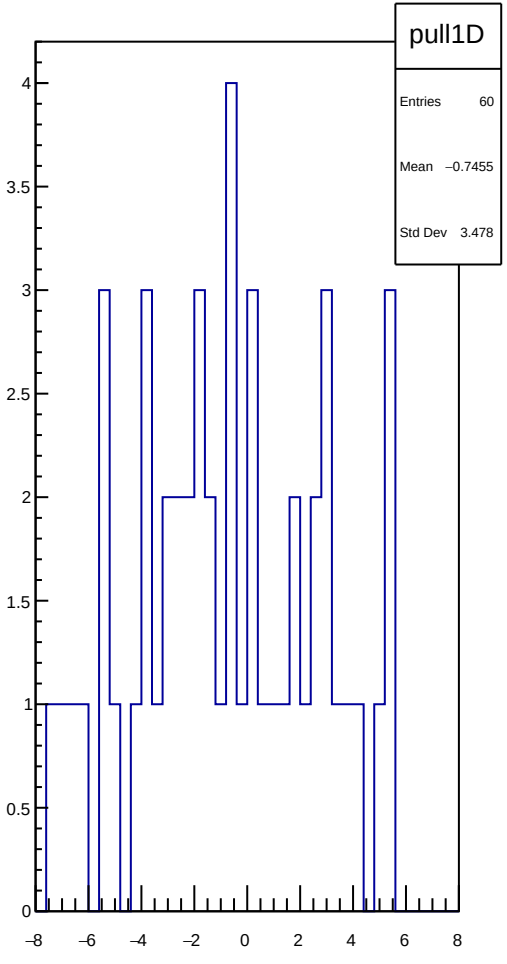

asym_cav4dQ_rms vs run
χ² / ndf 208.6 / 59
p0 0.8967 ± 0.0008391
0.94
0.92
0.9
0.88
0.86
0.84

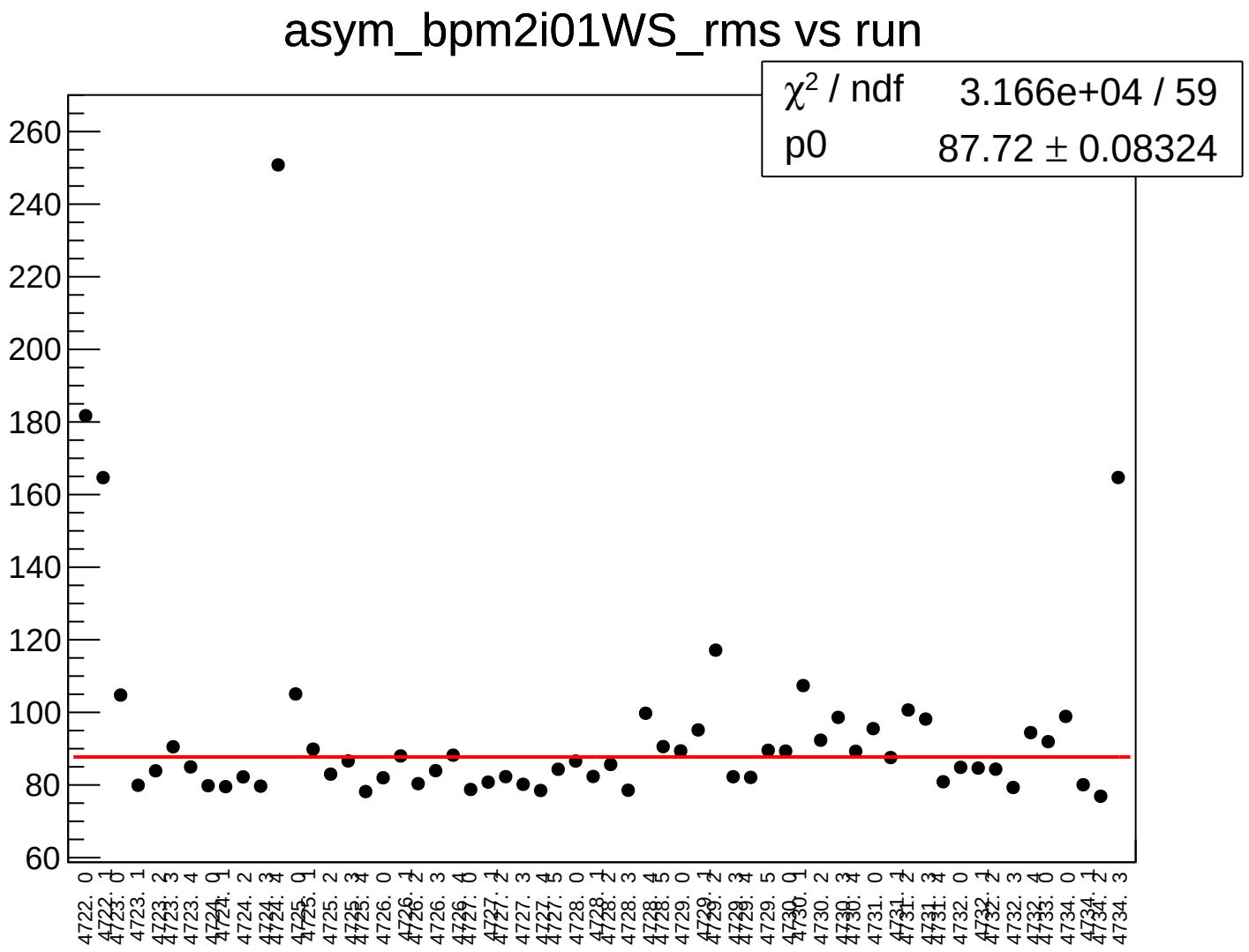

asym_bcm0l02_mean vs run
χ² / ndf 11.82 / 59
p0 −261.9 ± 261.3
pull
Entries 60
Mean 77.62
Std Dev 15.08

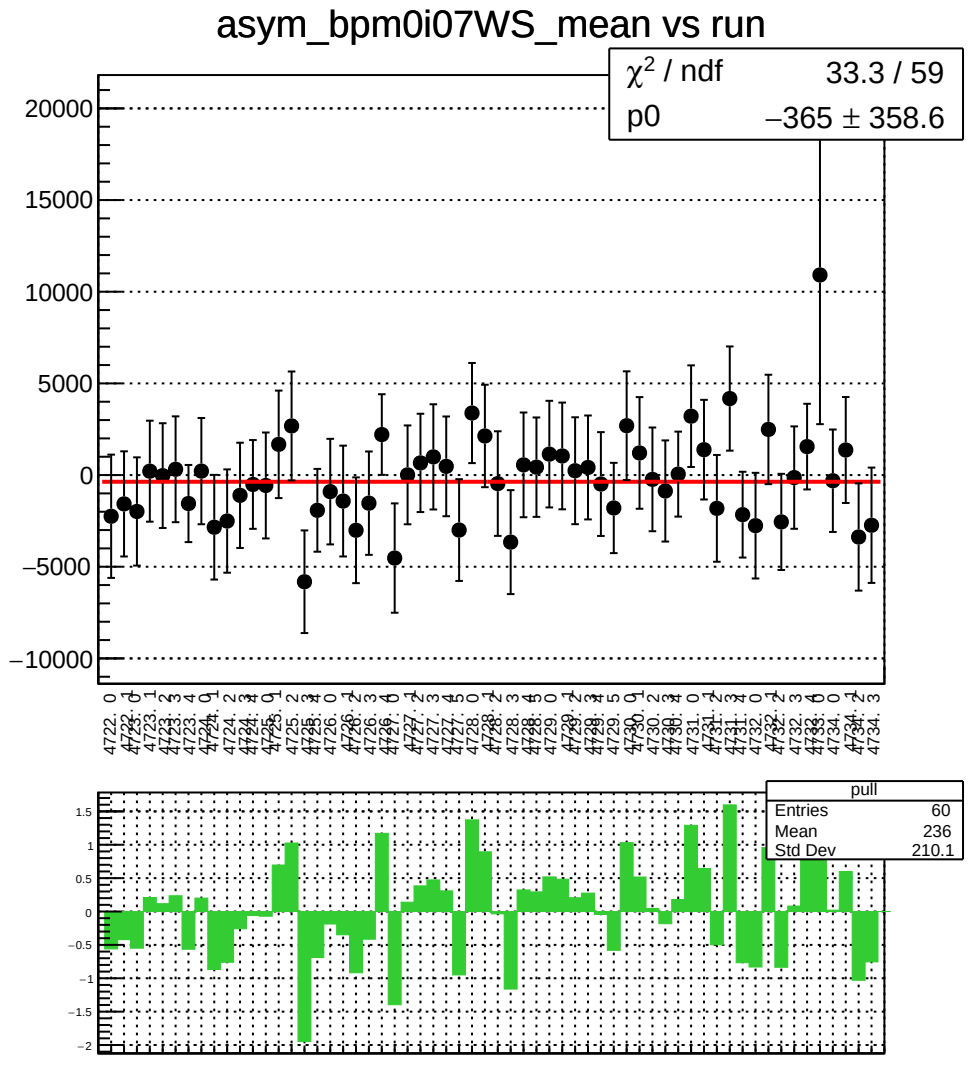

pull1D
Entries 60
Mean −0.008525
Std Dev 0.4438

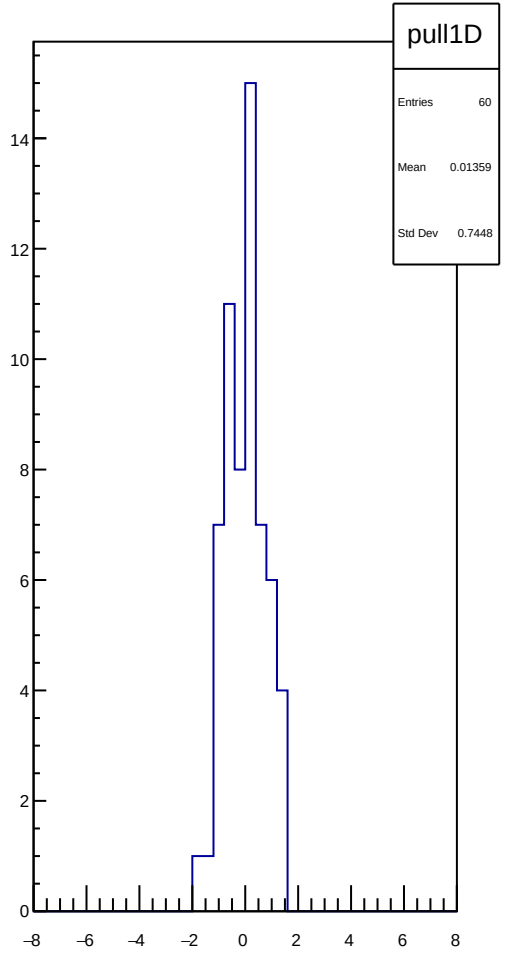

asym_bcm0l02_rms vs run
χ² / ndf 2921 / 59
p0 197.2 ± 0.1848
240
230
220
210
200
190
180
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

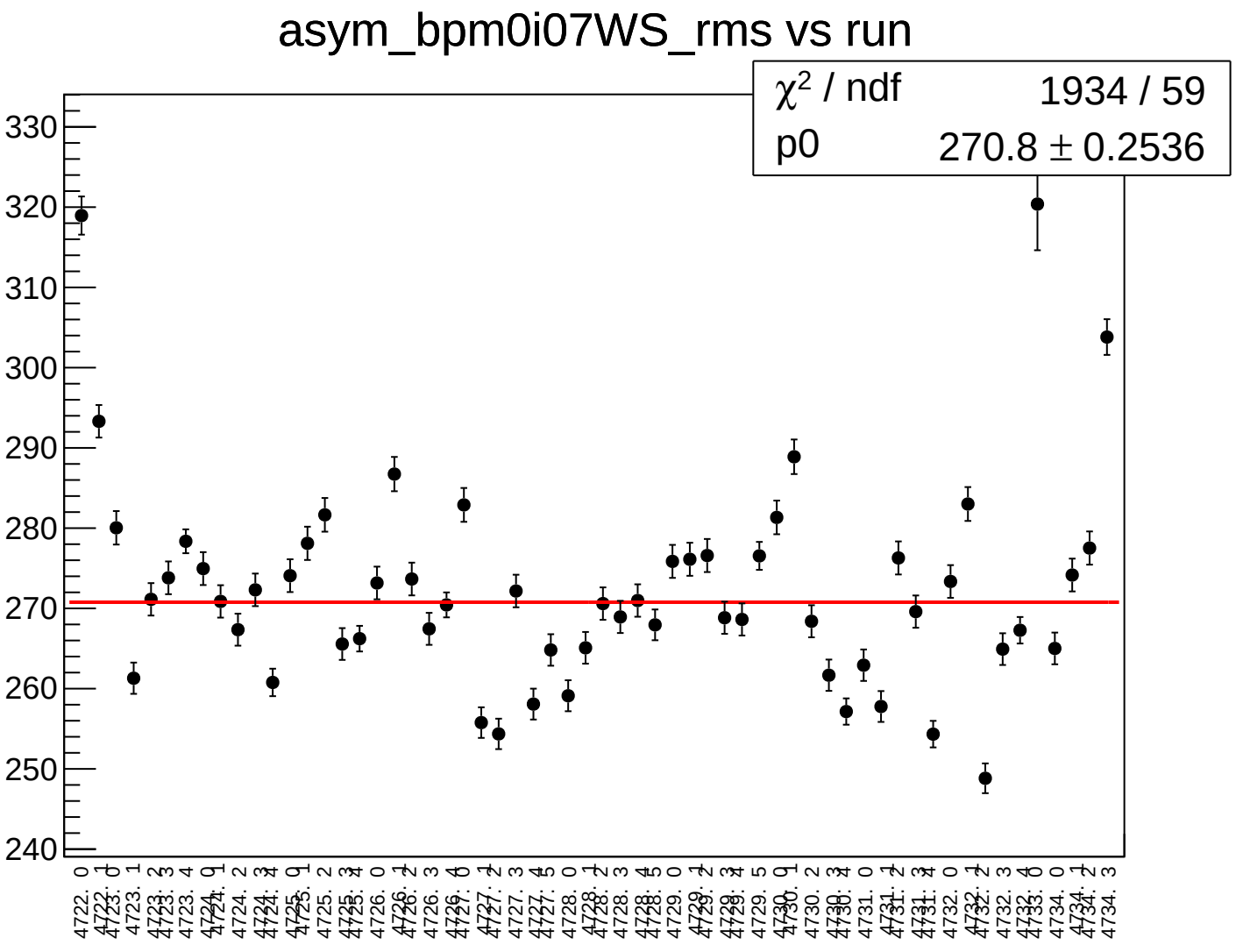

asym_bpm2i01WS_mean vs run
χ² / ndf 3746 / 59
p0 −4.883e+04 ± 117.7
−10000
−20000
−30000
−40000
−50000
−60000
pull
Entries 60
Mean 2.486
Std Dev 17.52
30
20
10
0
−10

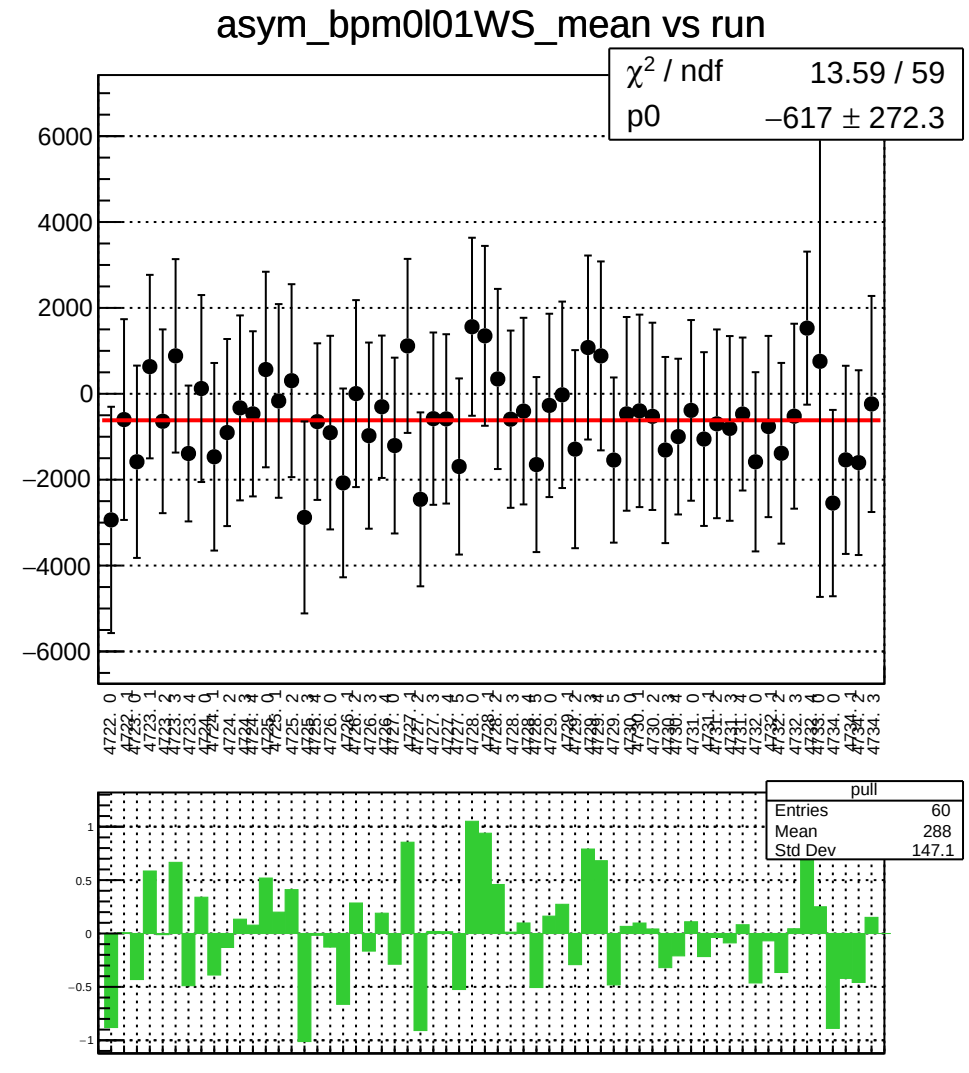

pull1D
Entries 60
Mean −0.7455
Std Dev 3.478
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

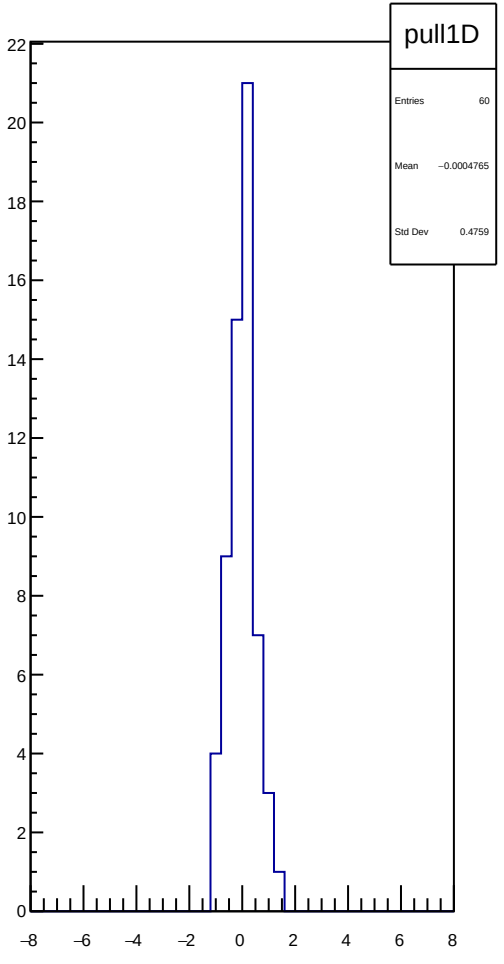

asym_bpm2i01WS_rms vs run
χ^2 / ndf 3.166e+04 / 59
p0 87.72 ± 0.08324
260
240
220
200
180
160
140
120
100
80
60
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

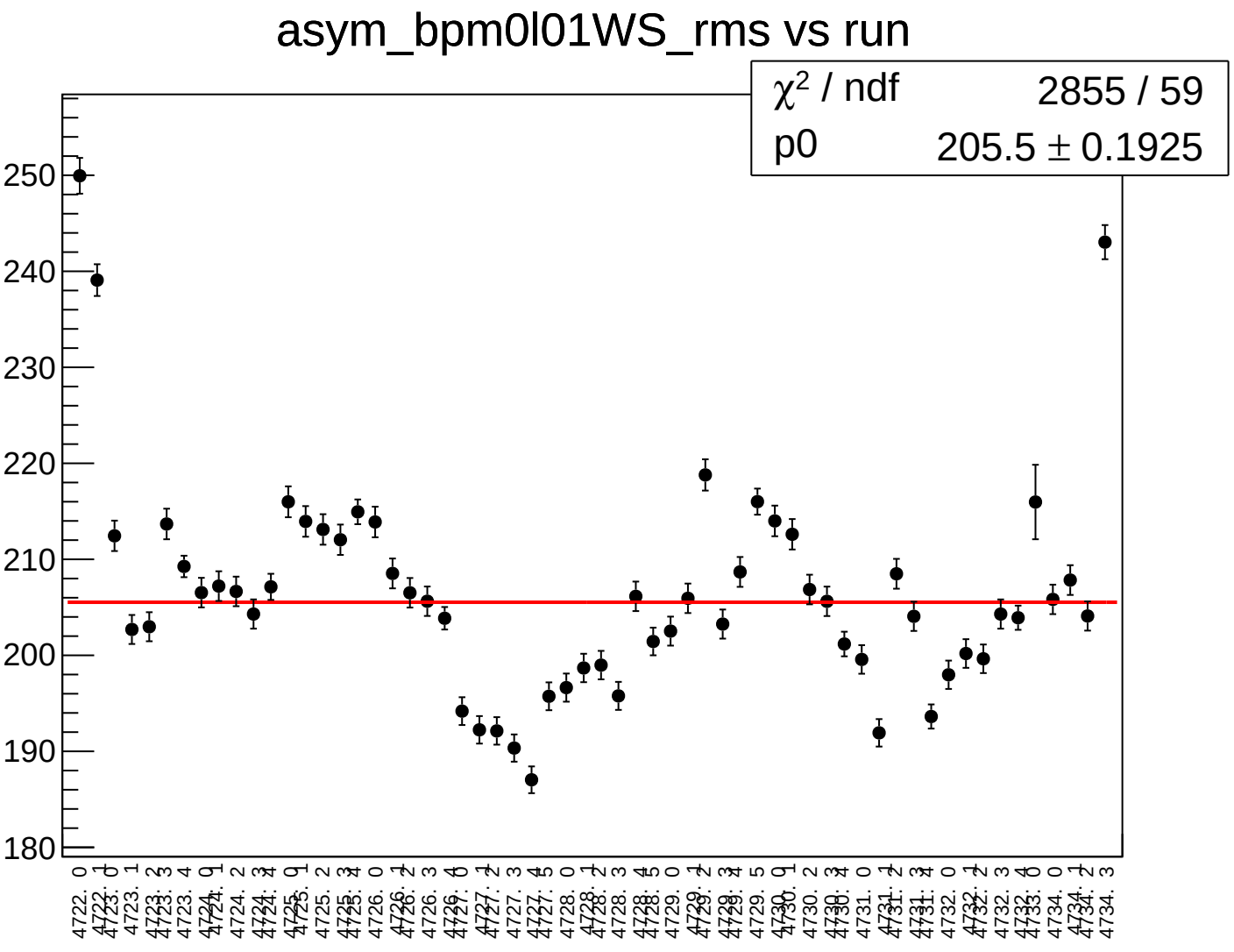

asym_bpm0i07WS_mean vs run
χ² / ndf 33.3 / 59
p0 −365 ± 358.6
pull
Entries 60
Mean 236
Std Dev 210.1

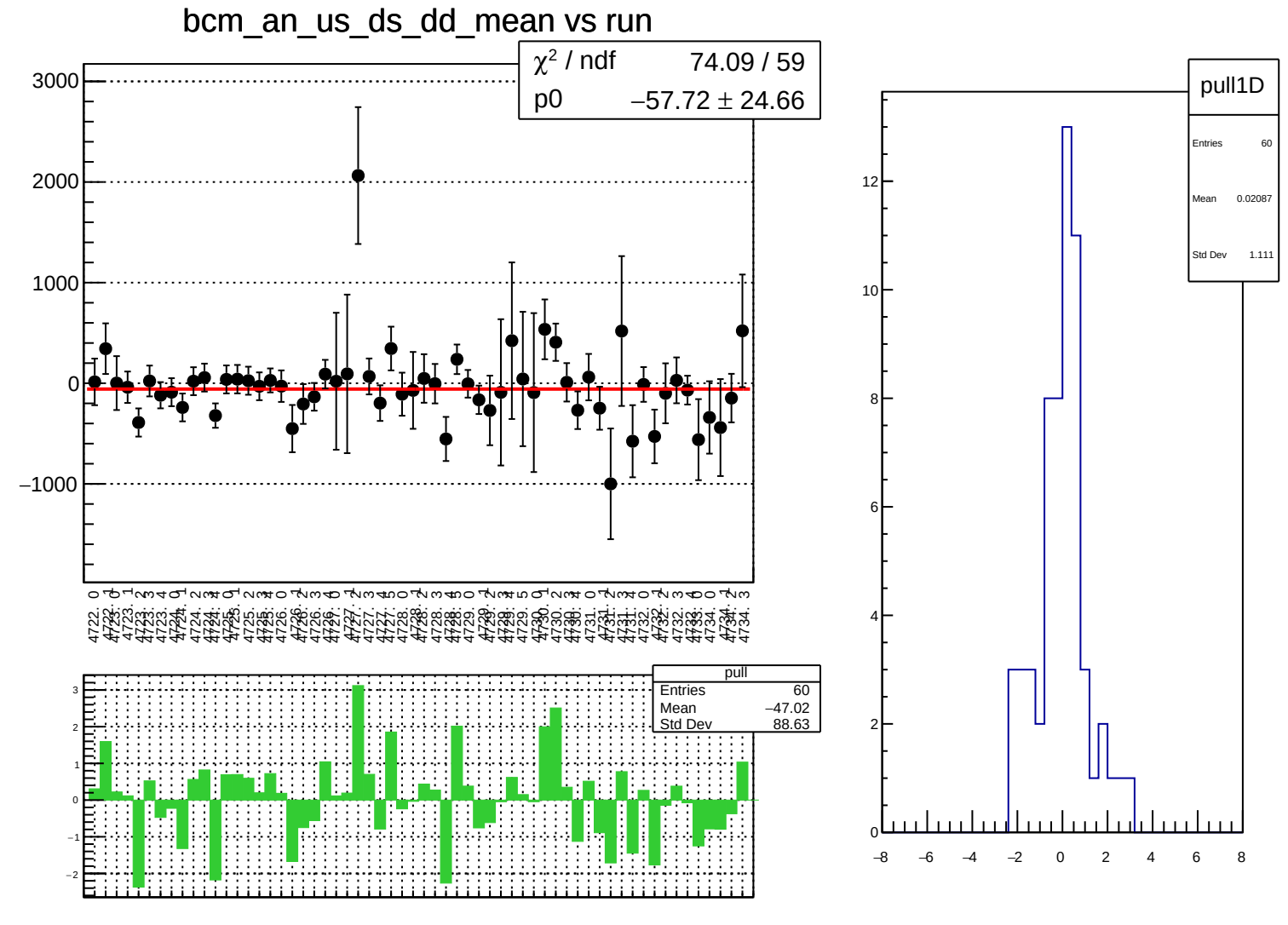

pull1D
Entries 60
Mean 0.01359
Std Dev 0.7448

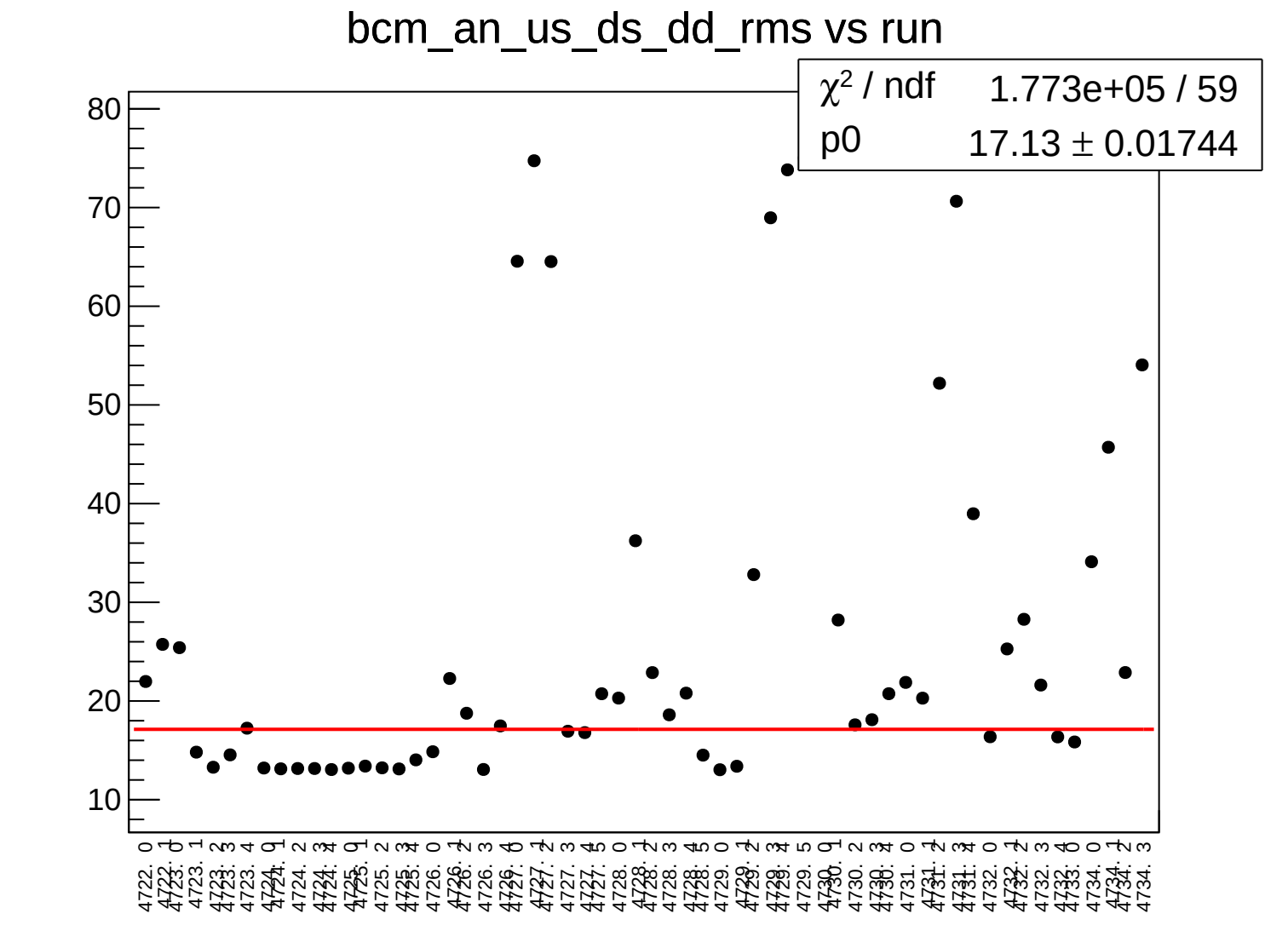

asym_bpm0i07WS_rms vs run
χ² / ndf 1934 / 59
p0 270.8 ± 0.2536
330
320
310
300
290
280
270
260
250
240
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

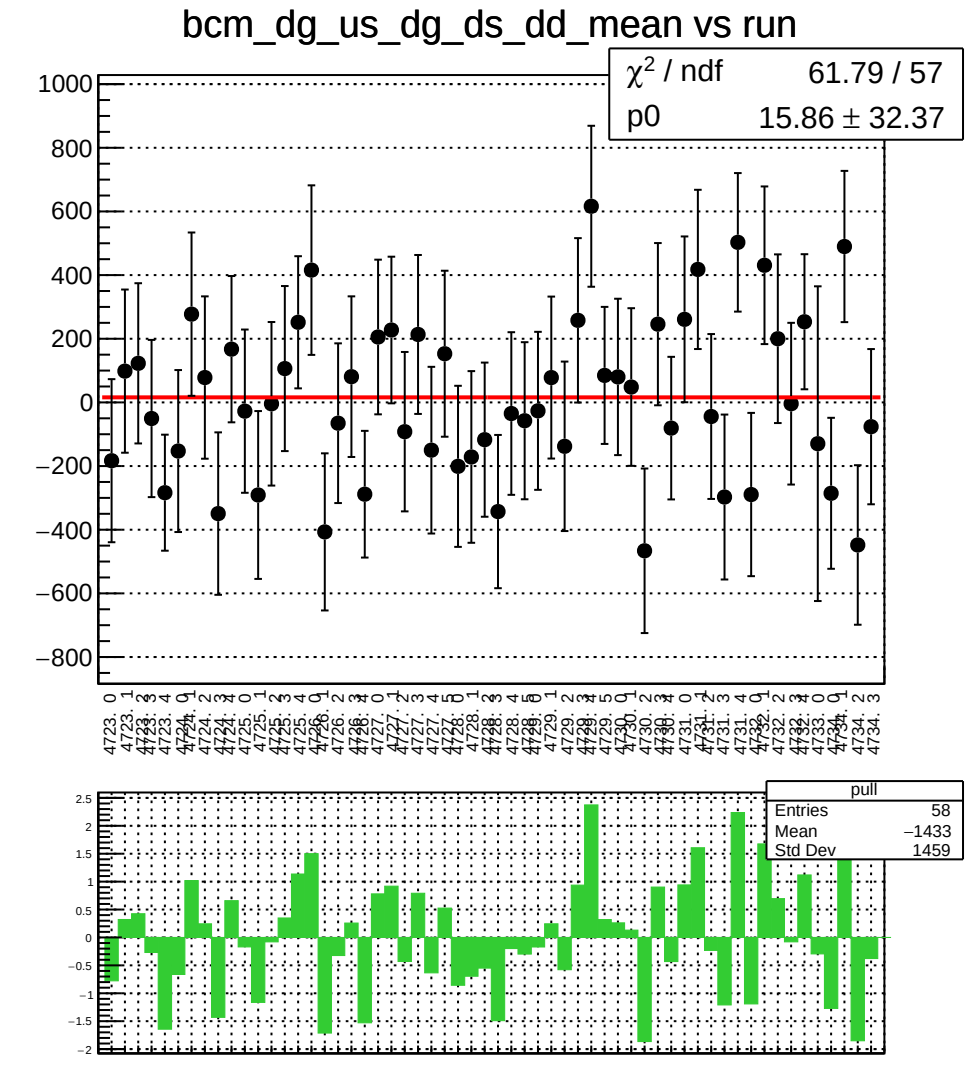

asym_bpm0l01WS_mean vs run
χ² / ndf 13.59 / 59
p0 −617 ± 272.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 60
Mean 288
Std Dev 147.1
1
0.5
0
−0.5
−1

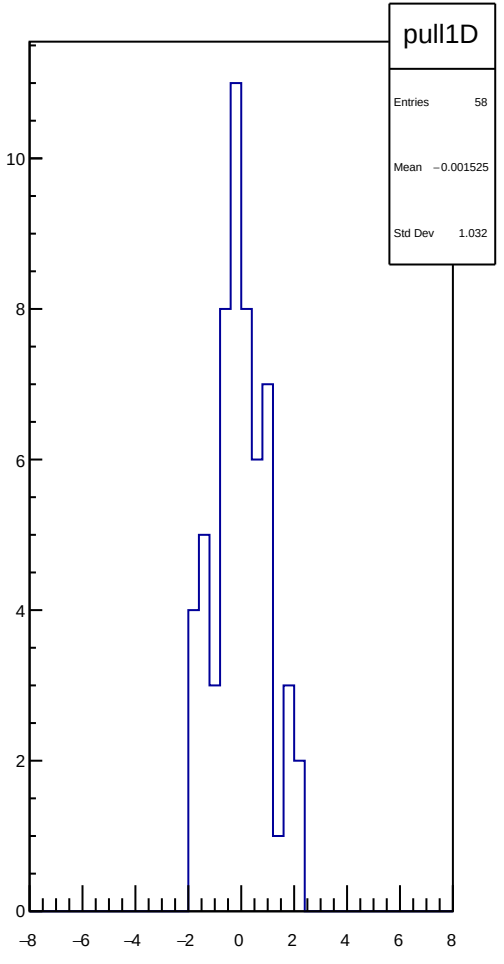

pull1D
Entries 60
Mean −0.0004765
Std Dev 0.4759
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

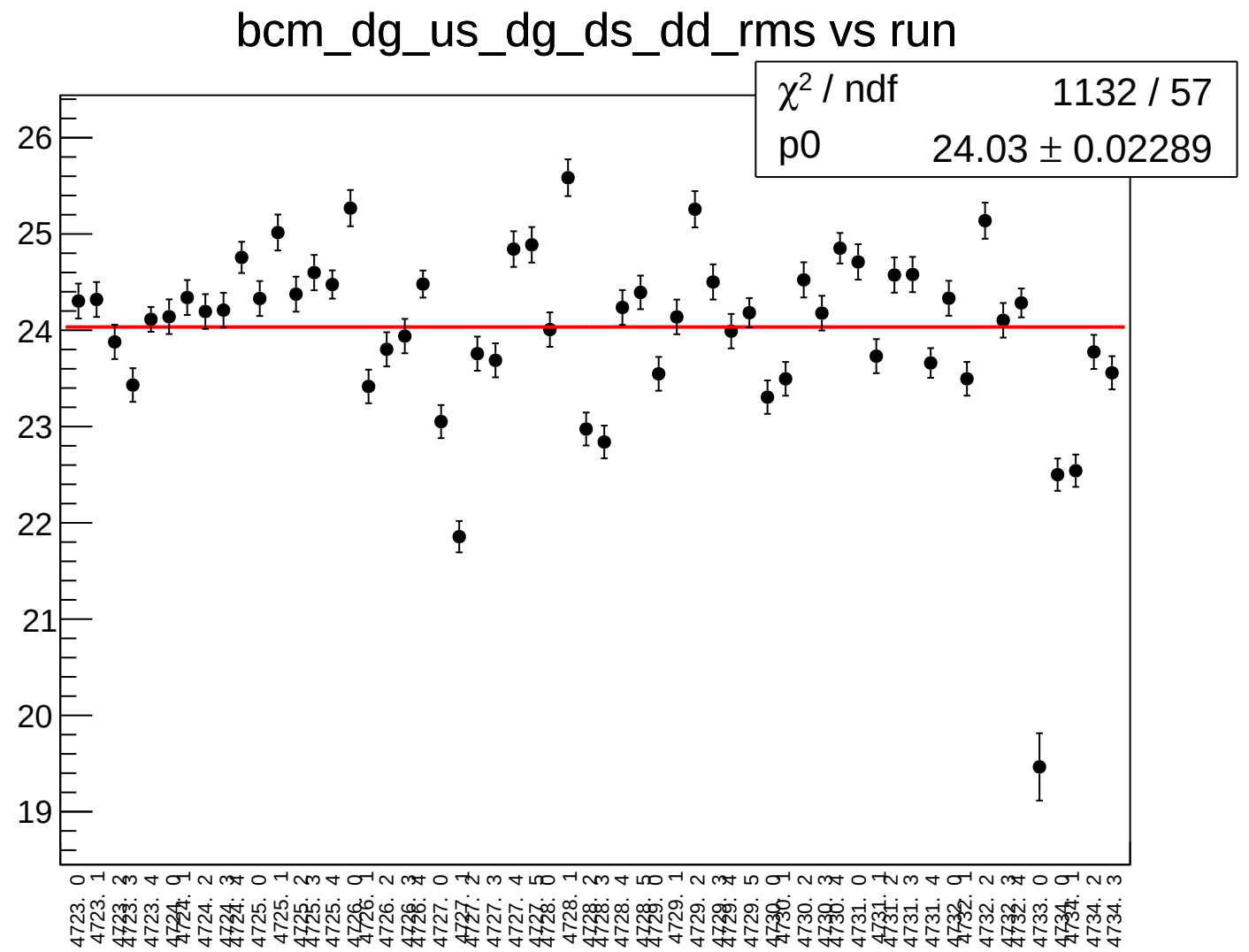

asym_bpm0l01WS_rms vs run
χ² / ndf 2855 / 59
p0 205.5 ± 0.1925
250
240
230
220
210
200
190
180
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

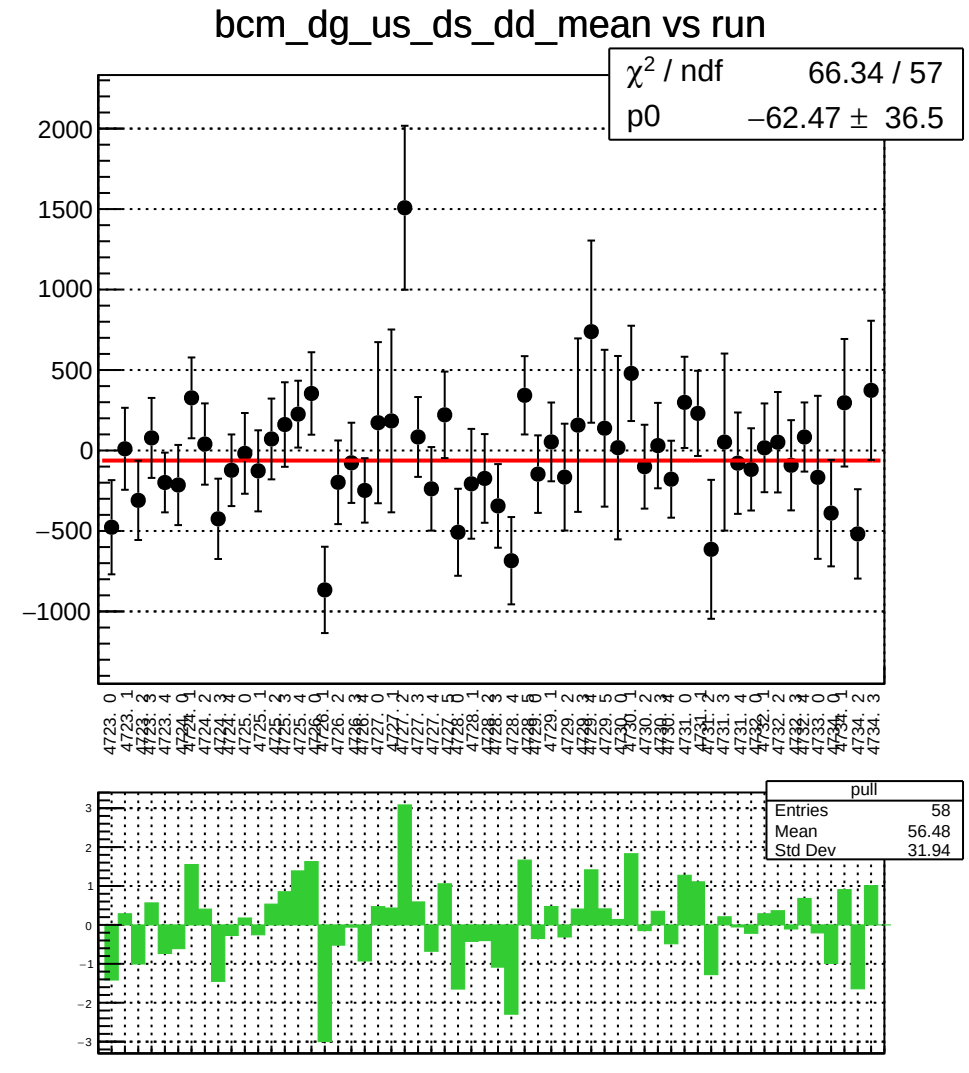

bcm_an_us_ds_dd_mean vs run
χ² / ndf 74.09 / 59
p0 −57.72 ± 24.66
3000
2000
1000
0
−1000
pull
Entries 60
Mean −47.02
Std Dev 88.63
pull1D
Entries 60
Mean 0.02087
Std Dev 1.111

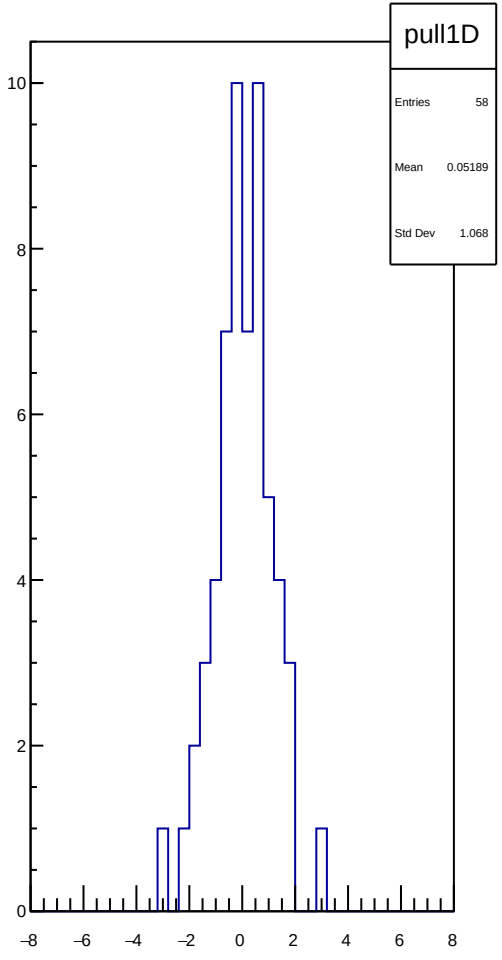

bcm_an_us_ds_dd_rms vs run
χ² / ndf 1.773e+05 / 59
p0 17.13 ± 0.01744
80
70
60
50
40
30
20
10

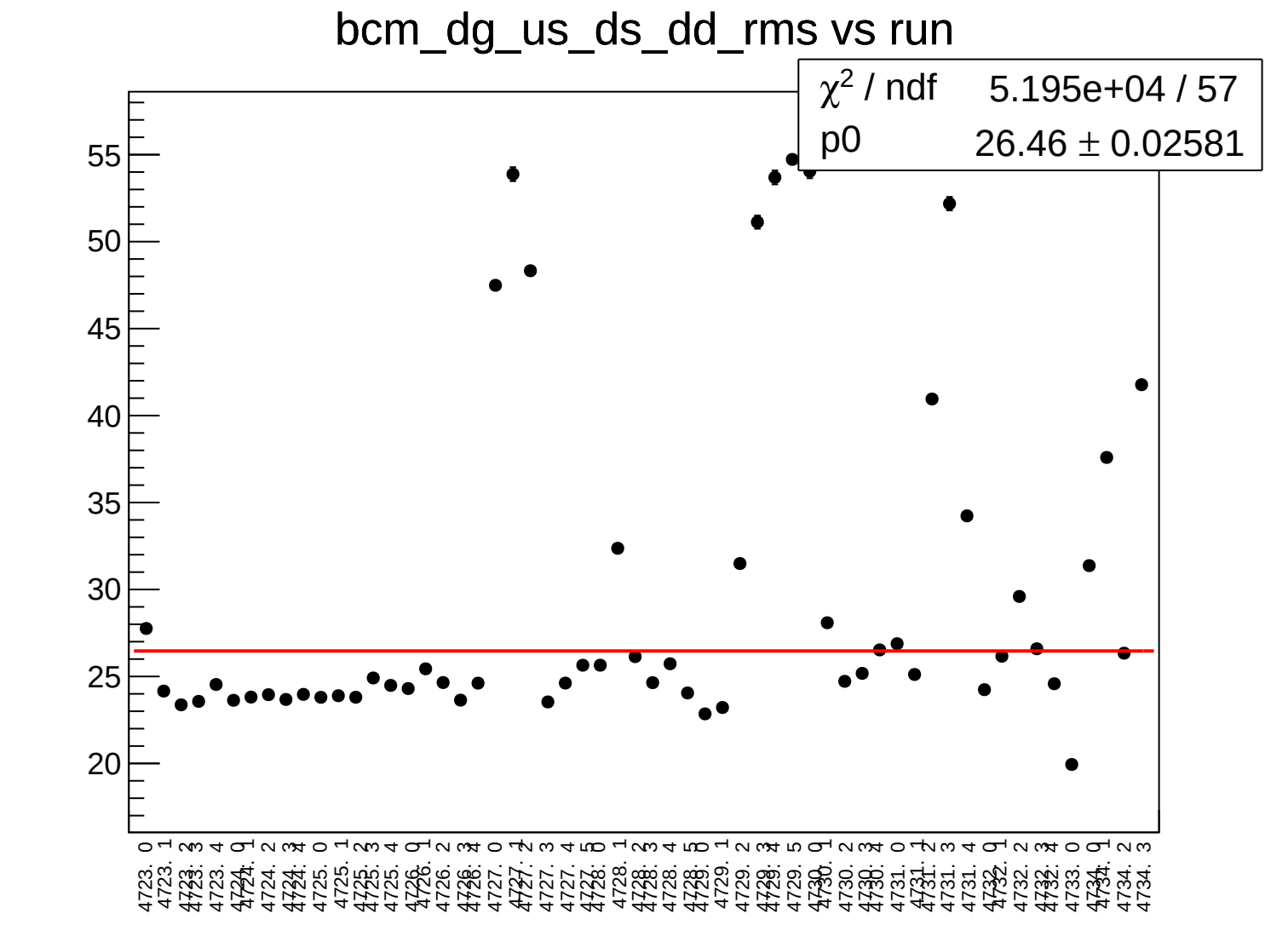

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 61.79 / 57
p0 15.86 ± 32.37
pull
Entries 58
Mean −1433
Std Dev 1459

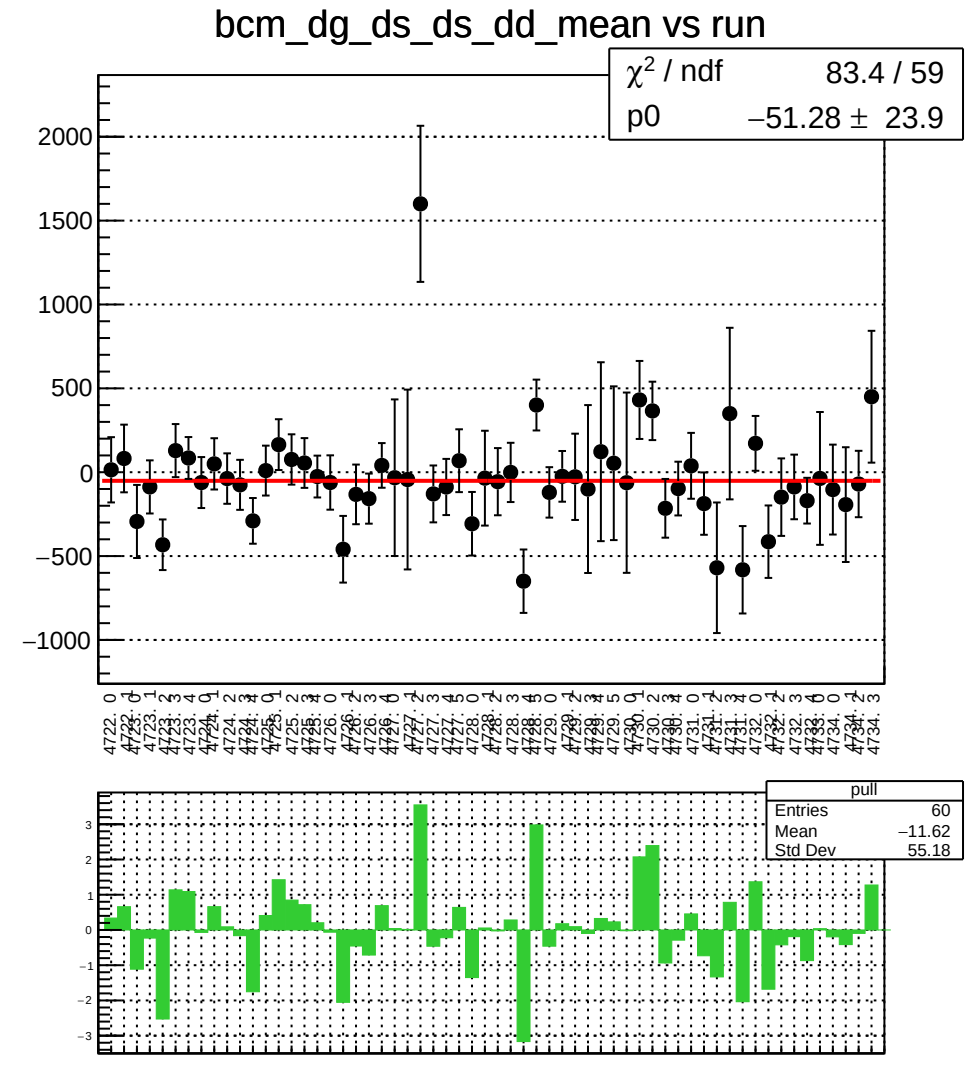

pull1D
Entries 58
Mean −0.001525
Std Dev 1.032

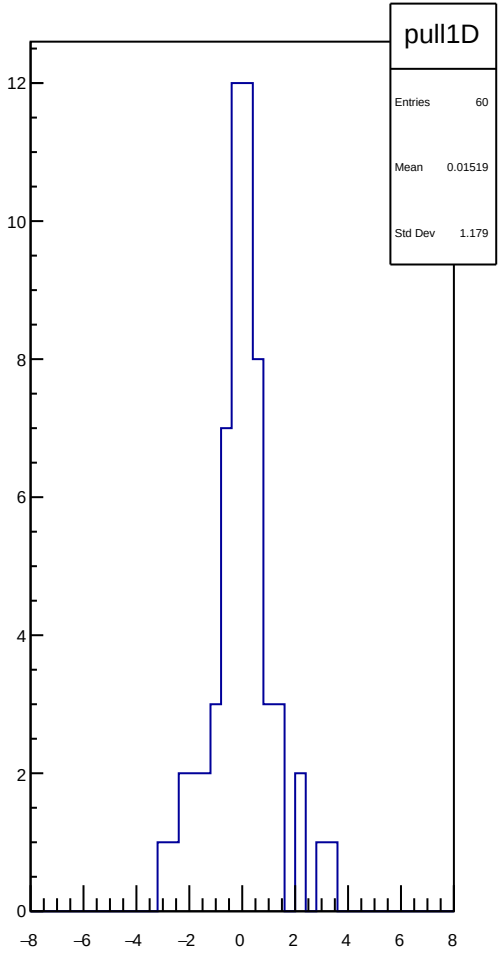

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1132 / 57
p0 24.03 ± 0.02289
26
25
24
23
22
21
20
19

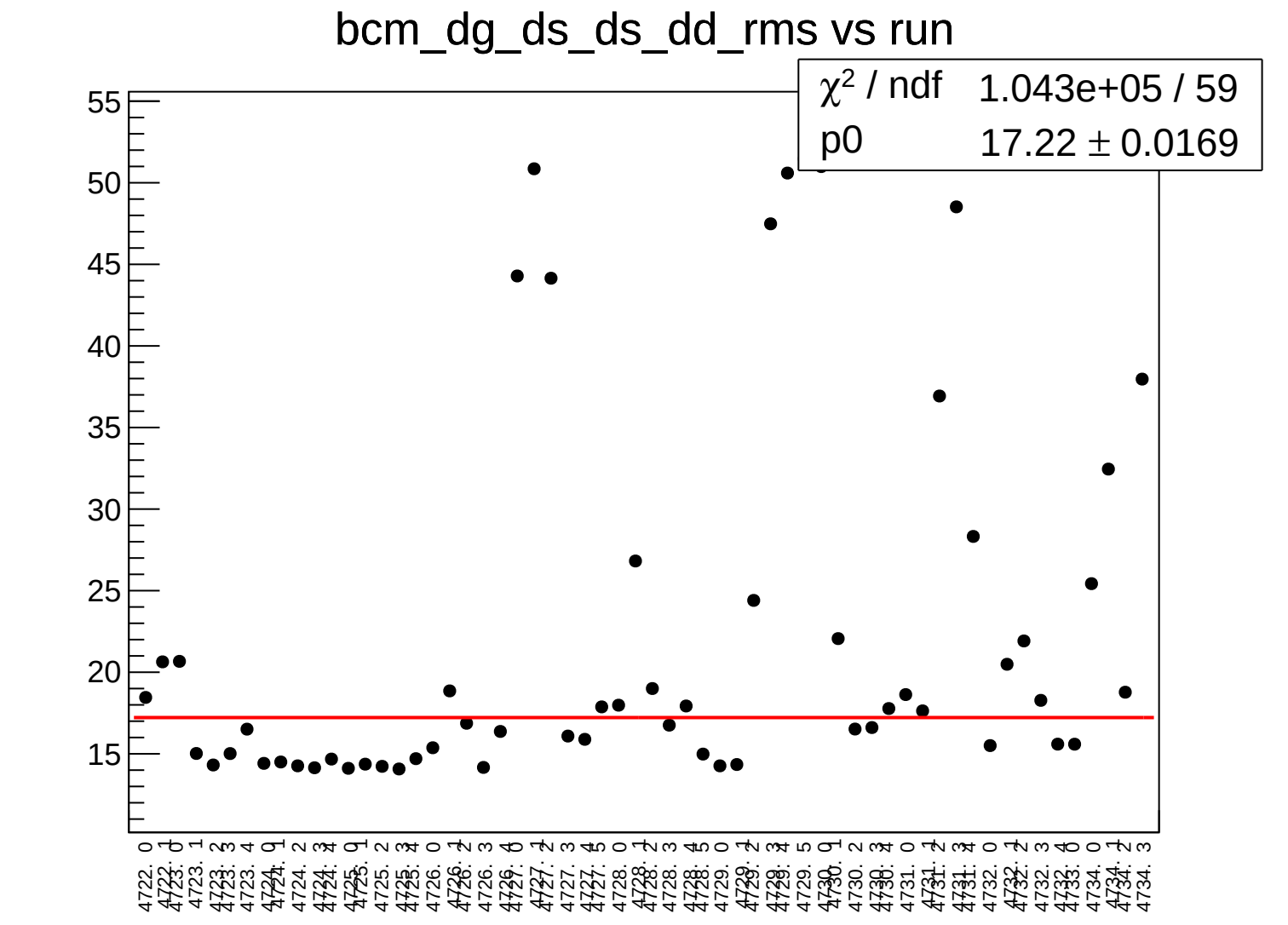

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 66.34 / 57
p0 −62.47 ± 36.5
pull
Entries 58
Mean 56.48
Std Dev 31.94

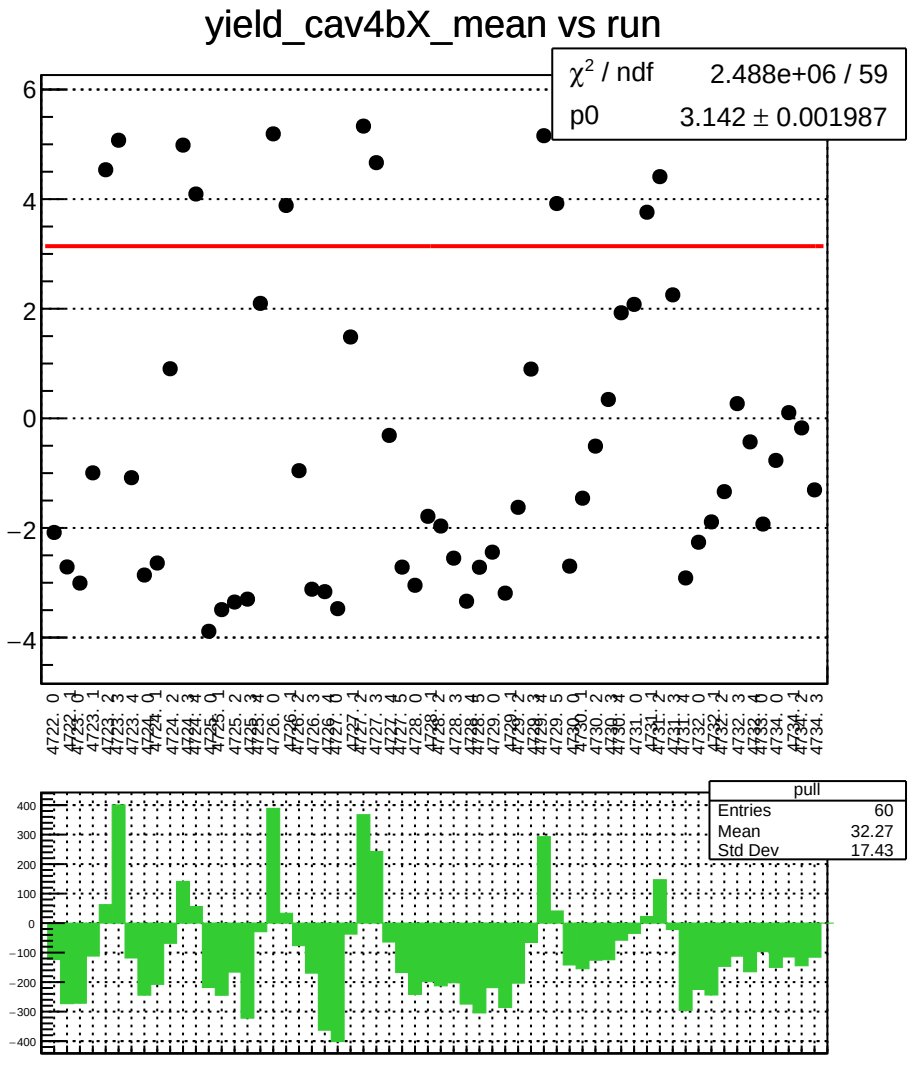

pull1D
Entries 58
Mean 0.05189
Std Dev 1.068

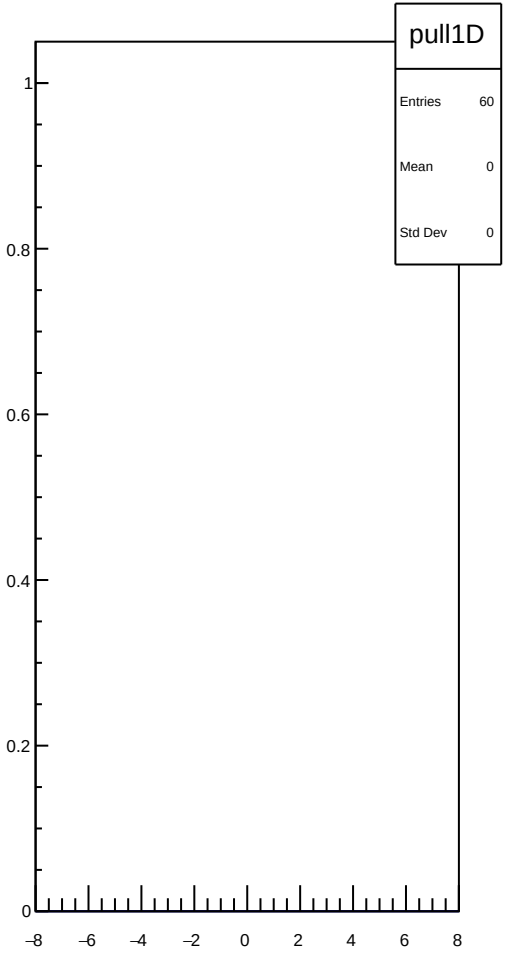

bcm_dg_us_ds_dd_rms vs run
χ^2 / ndf 5.195e+04 / 57
p0 26.46 ± 0.02581
55
50
45
40
35
30
25
20
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

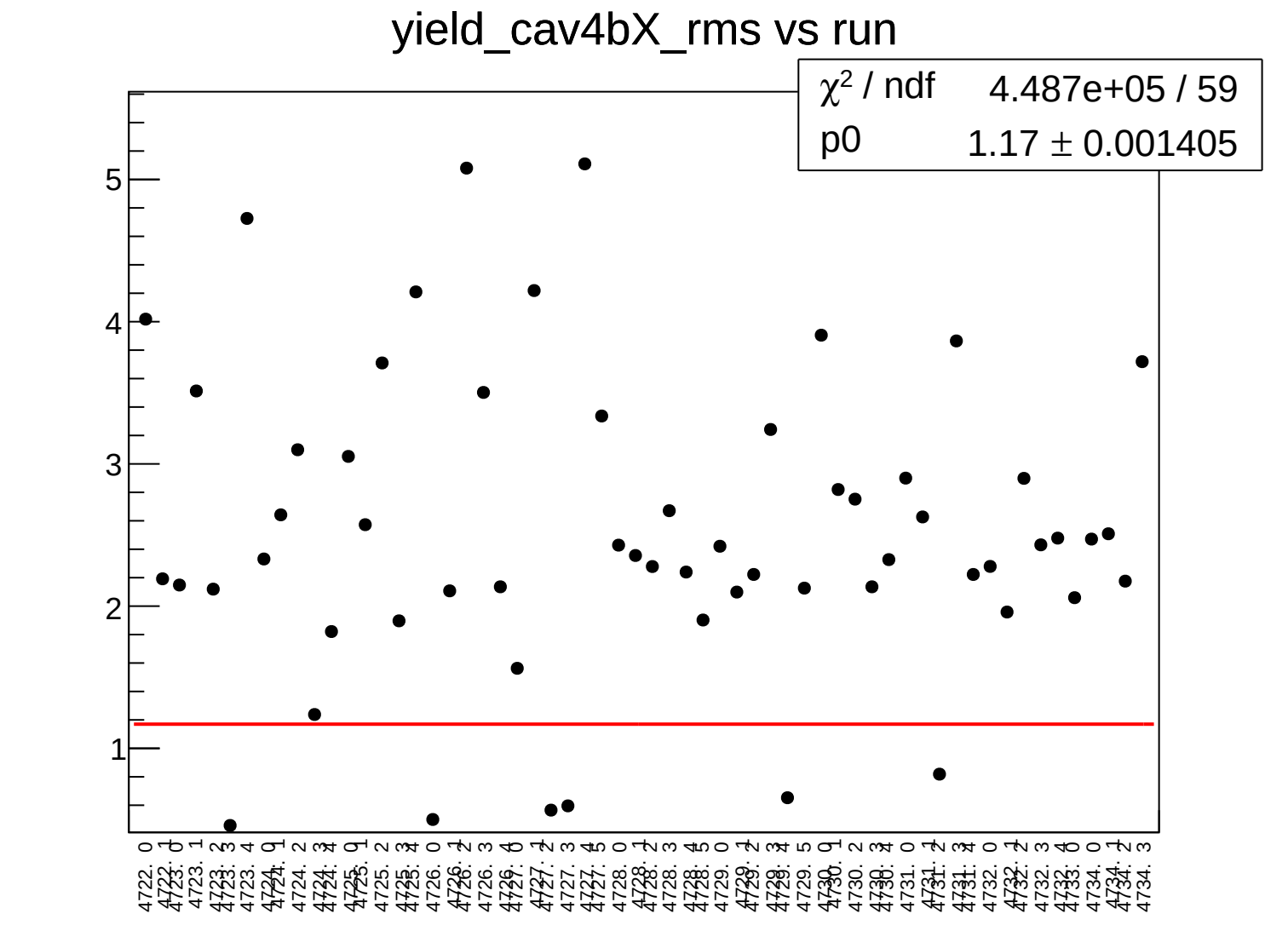

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 83.4 / 59
p0 −51.28 ± 23.9
pull
Entries 60
Mean −11.62
Std Dev 55.18

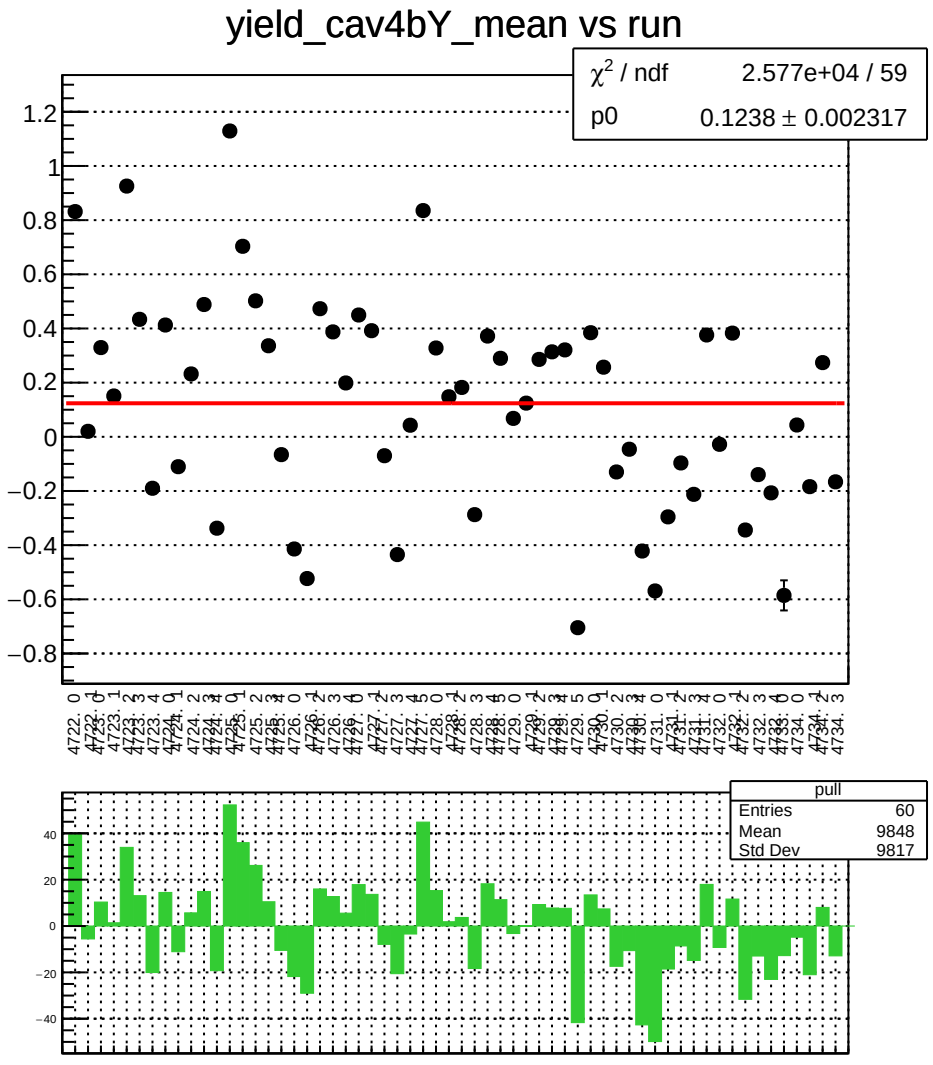

pull1D
Entries 60
Mean 0.01519
Std Dev 1.179

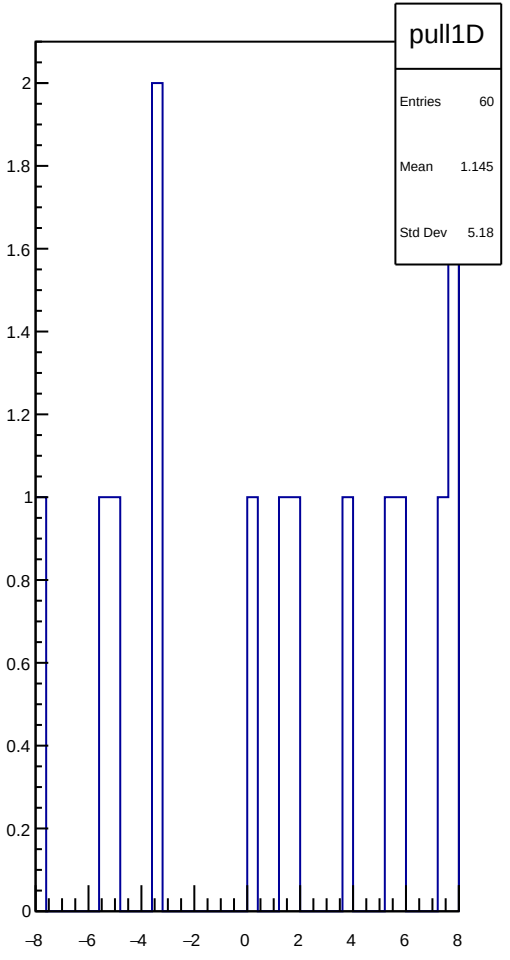

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 1.043e+05 / 59
p0 17.22 ± 0.0169
55
50
45
40
35
30
25
20
15
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

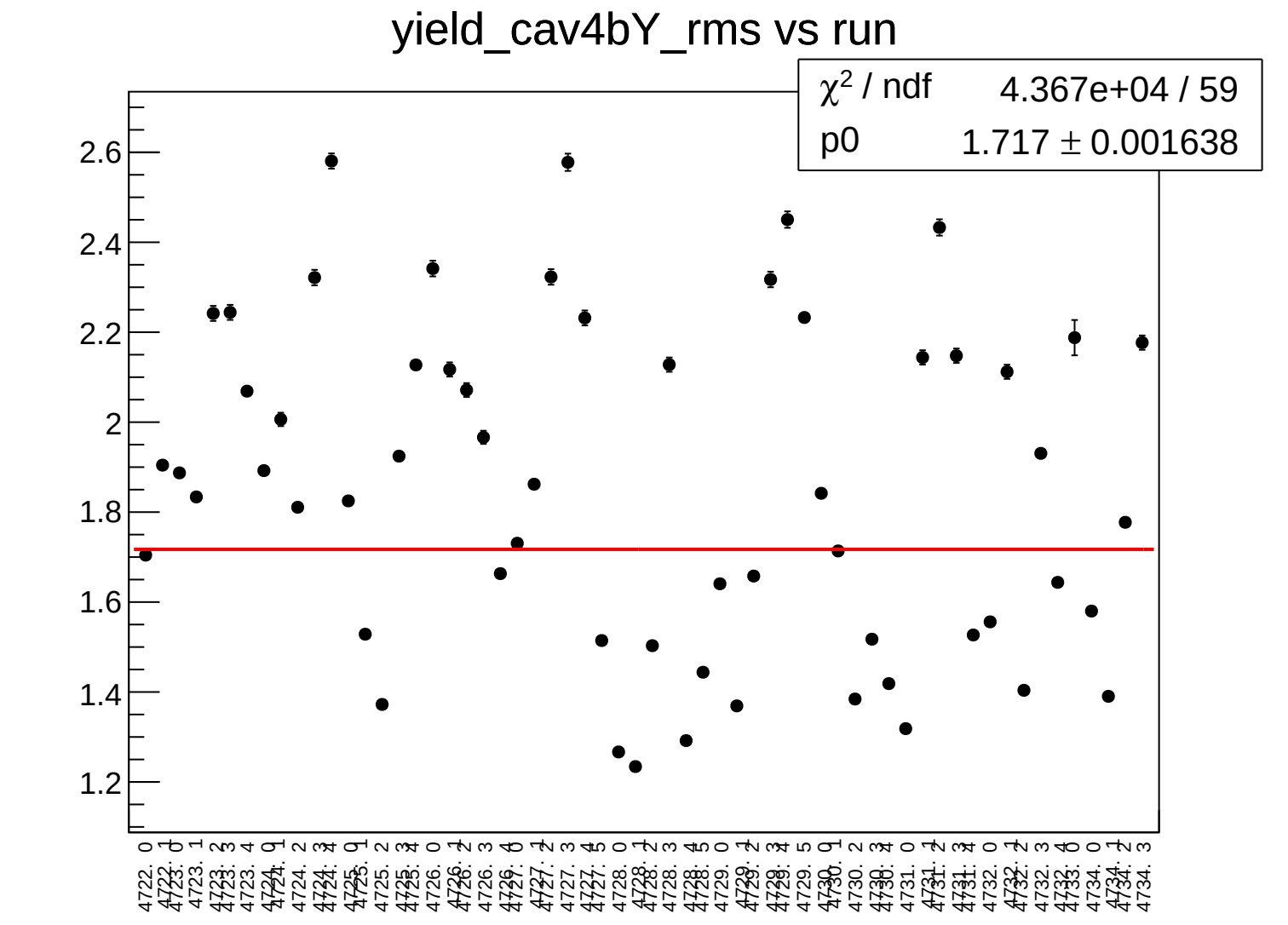

yield_cav4bX_mean vs run
χ² / ndf 2.488e+06 / 59
p0 3.142 ± 0.001987
pull
Entries 60
Mean 32.27
Std Dev 17.43

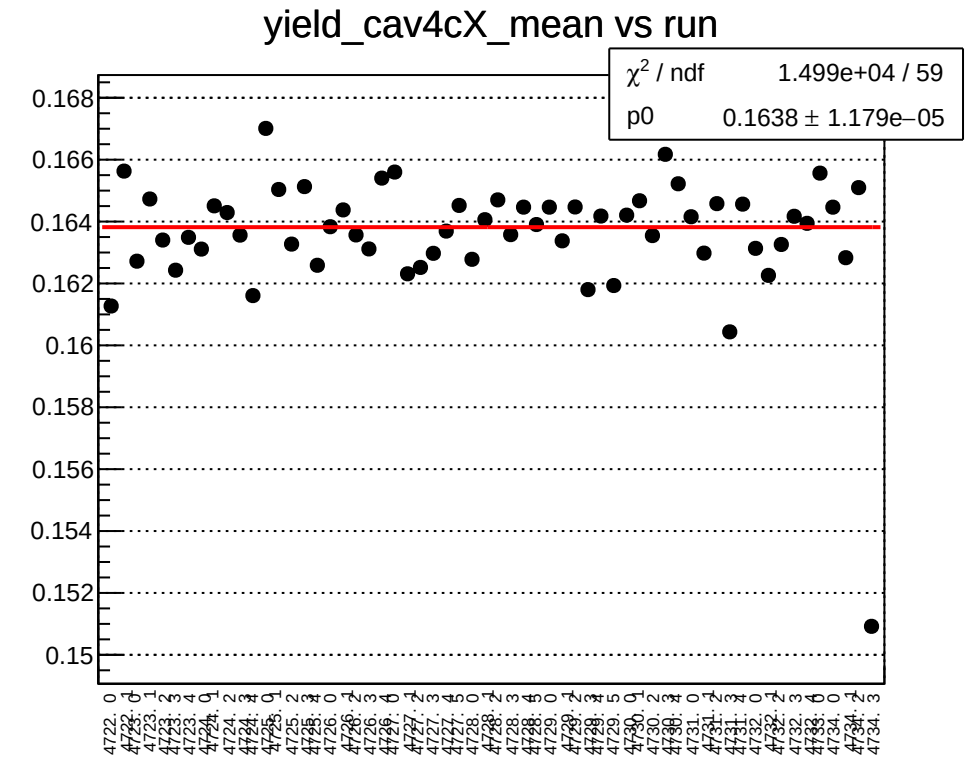

pull1D
Entries 60
Mean 0
Std Dev 0

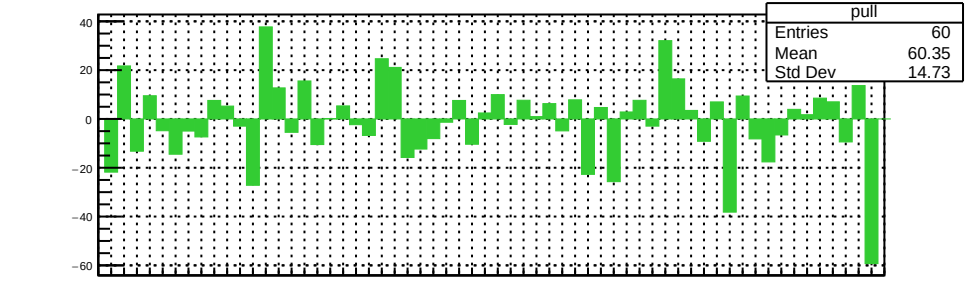

yield_cav4bX_rms vs run
χ² / ndf 4.487e+05 / 59
p0 1.17 ± 0.001405
5
4
3
2
1
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

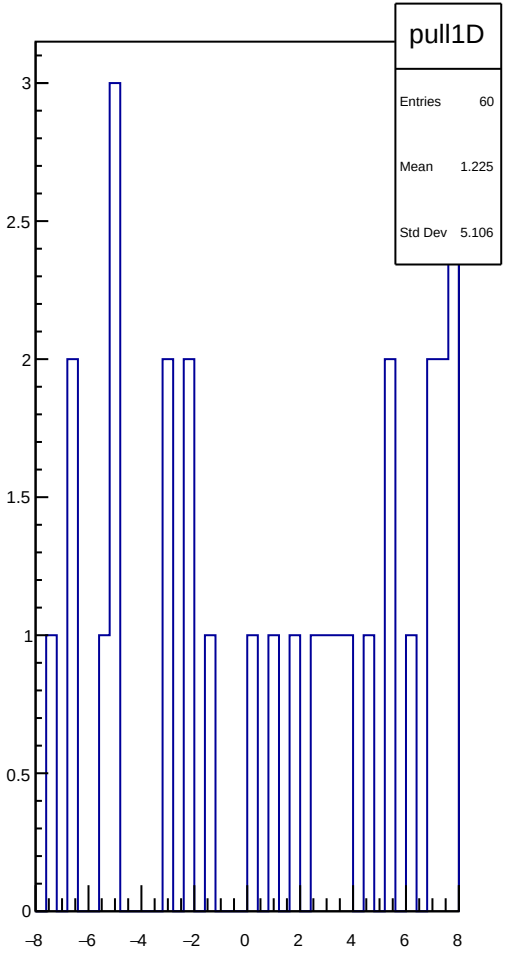

yield_cav4bY_mean vs run
χ² / ndf 2.577e+04 / 59
p0 0.1238 ± 0.002317
pull
Entries 60
Mean 9848
Std Dev 9817

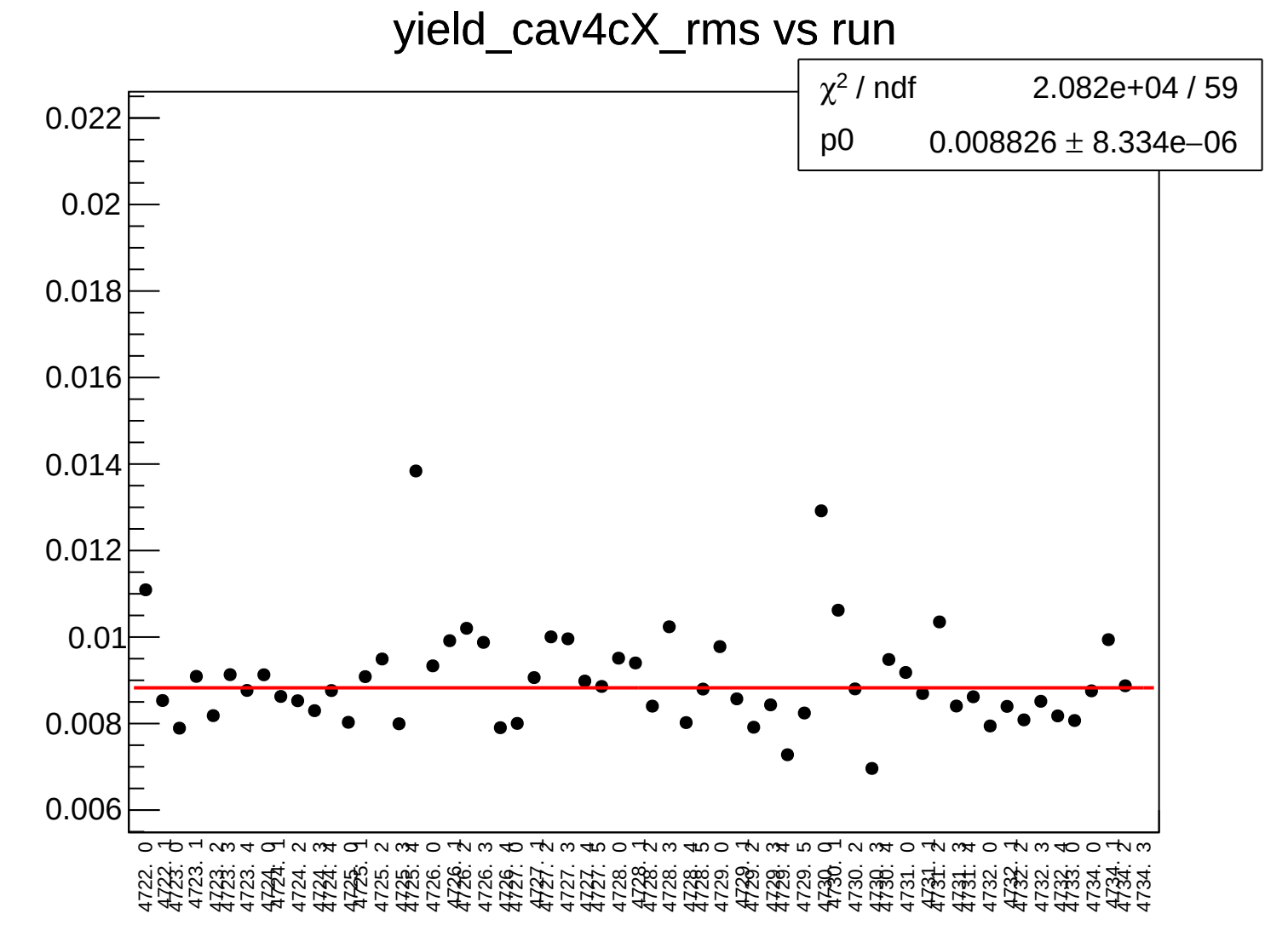

pull1D
Entries 60
Mean 1.145
Std Dev 5.18

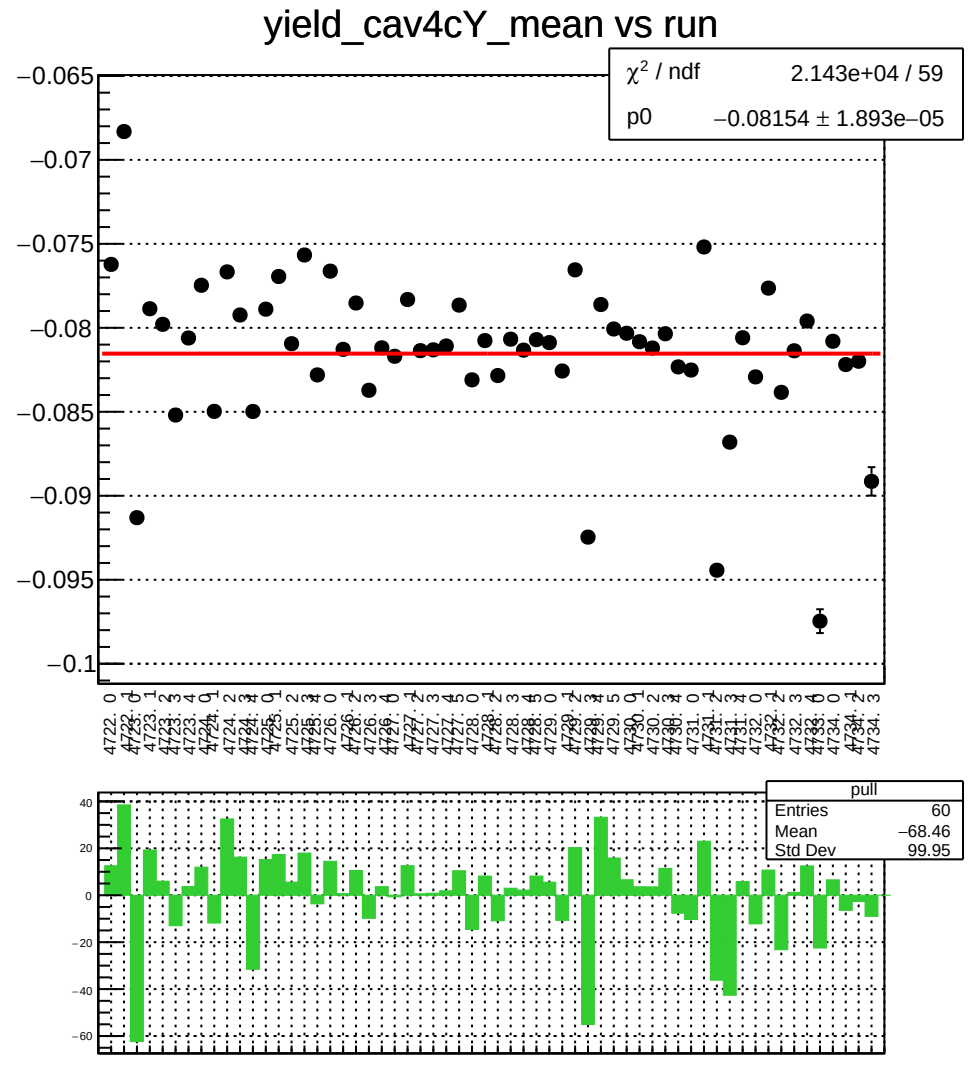

yield_cav4bY_rms vs run
χ² / ndf 4.367e+04 / 59
p0 1.717 ± 0.001638
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2

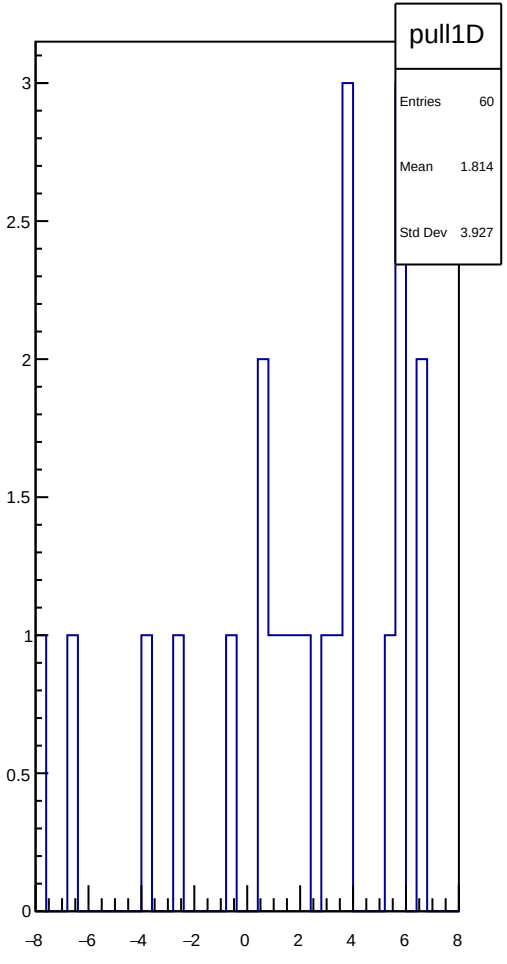

yield_cav4cX_mean vs run
χ² / ndf 1.499e+04 / 59
p0 0.1638 ± 1.179e−05
0.168
0.166
0.164
0.162
0.16
0.158
0.156
0.154
0.152
0.15

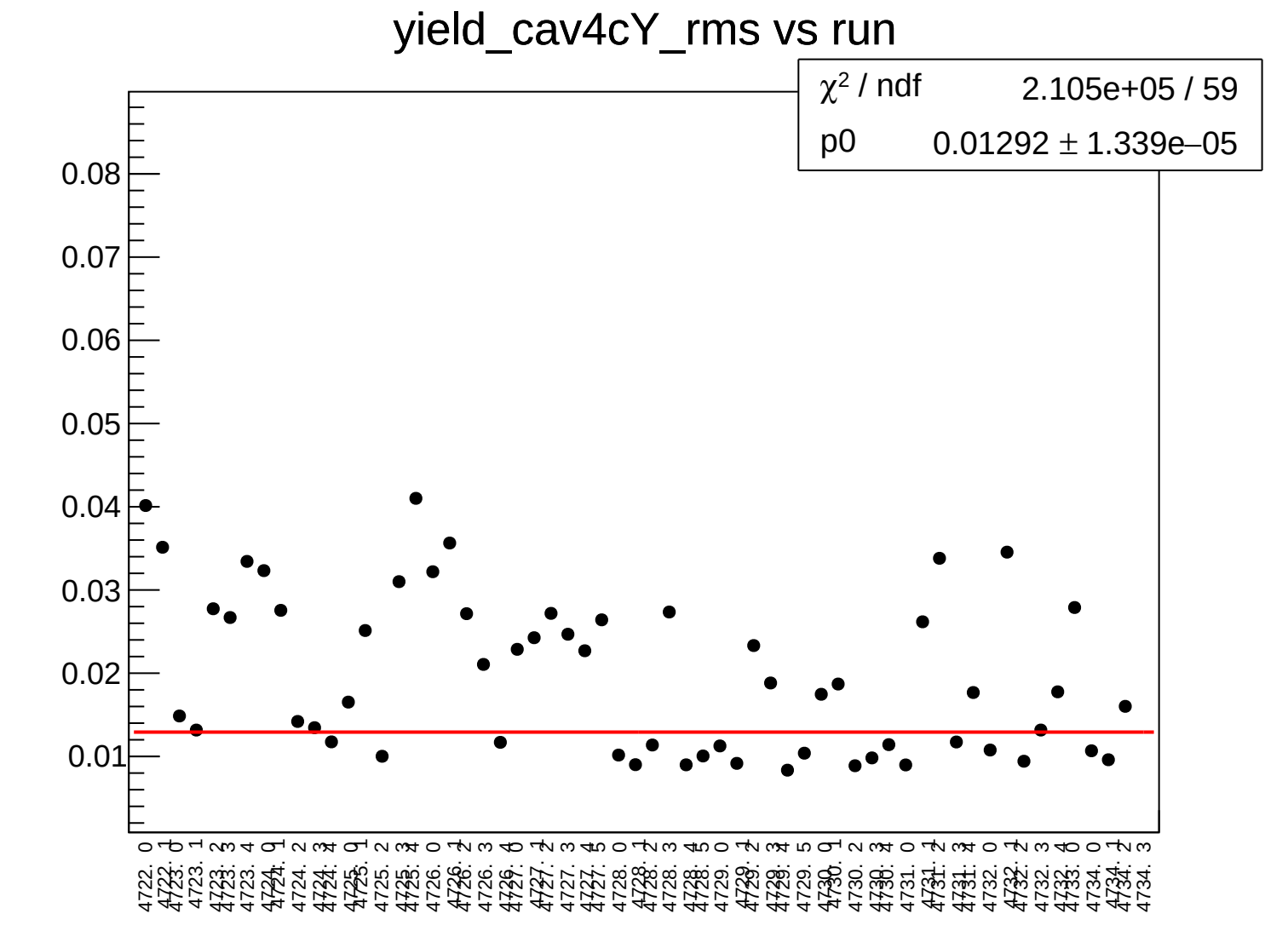

pull
Entries 60
Mean 60.35
Std Dev 14.73
40
20
0
−20
−40
−60

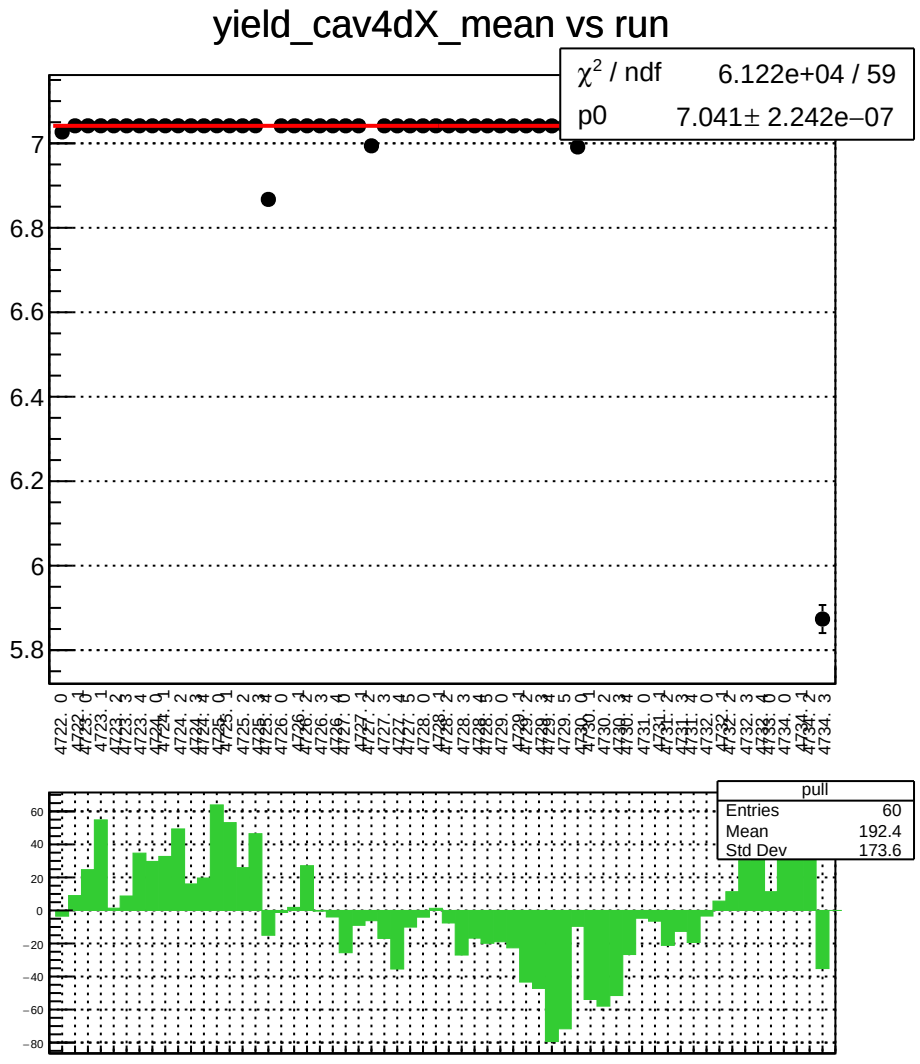

pull1D
Entries 60
Mean 1.225
Std Dev 5.106
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

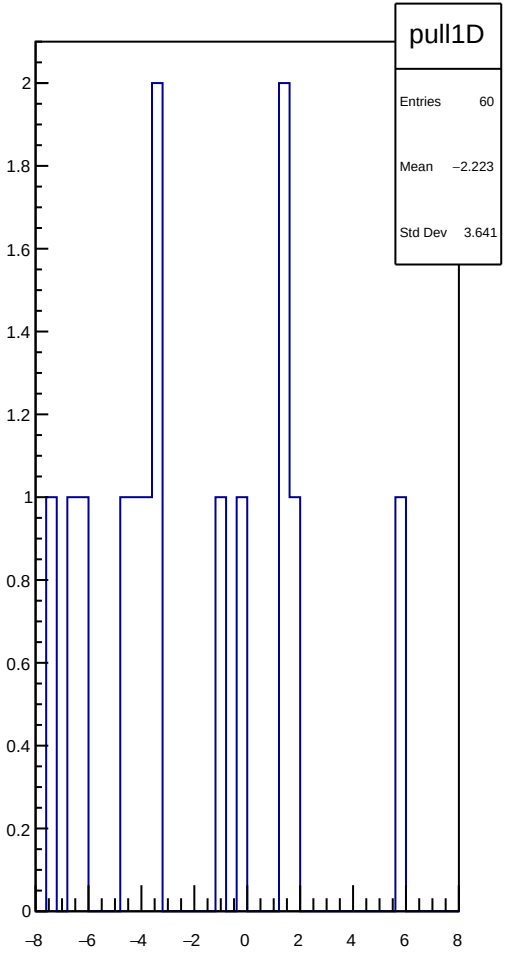

yield_cav4cX_rms vs run
χ² / ndf 2.082e+04 / 59
p0 0.008826 ± 8.334e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

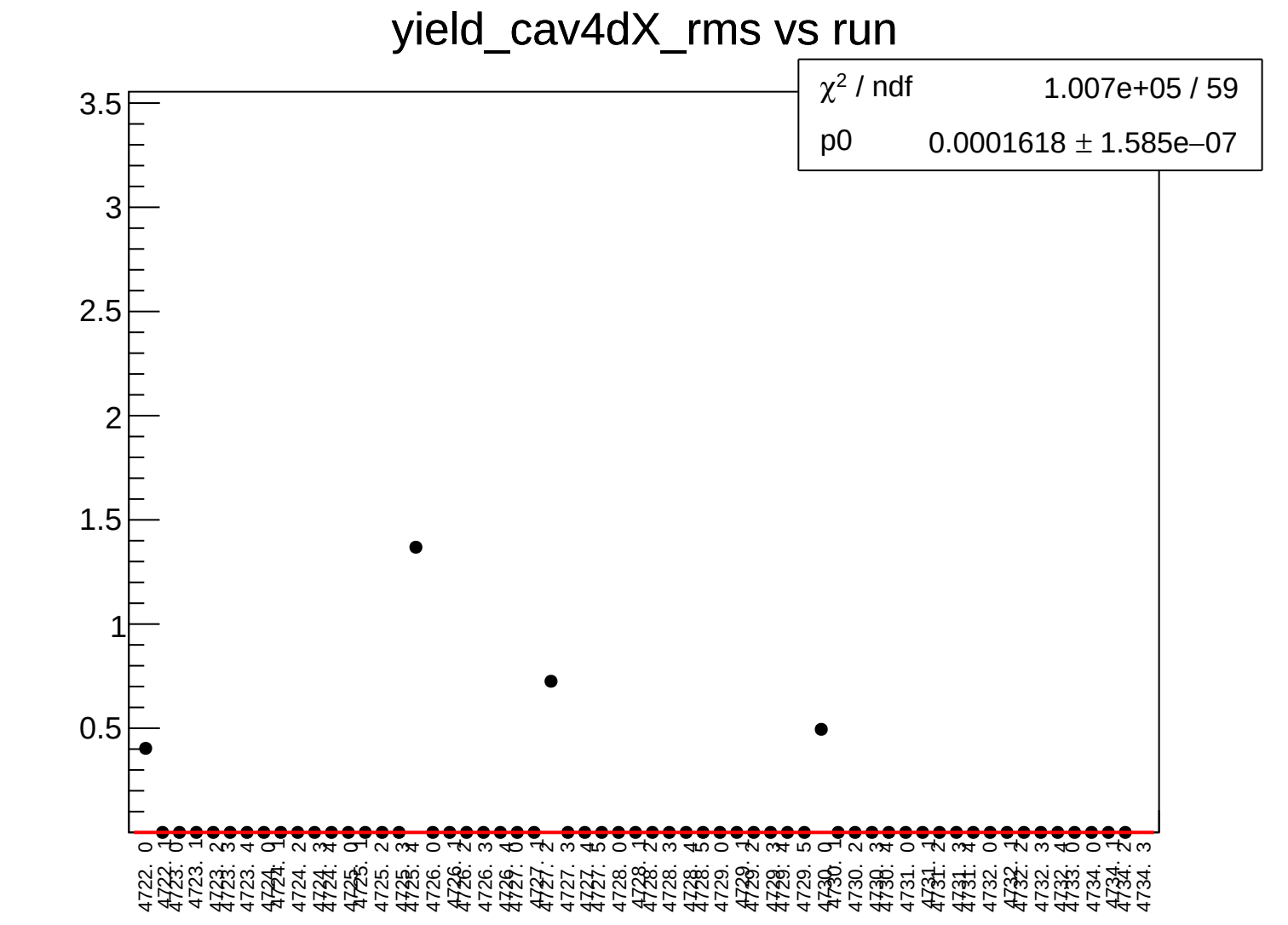

yield_cav4cY_mean vs run
χ² / ndf 2.143e+04 / 59
p0 −0.08154 ± 1.893e−05
pull
Entries 60
Mean −68.46
Std Dev 99.95

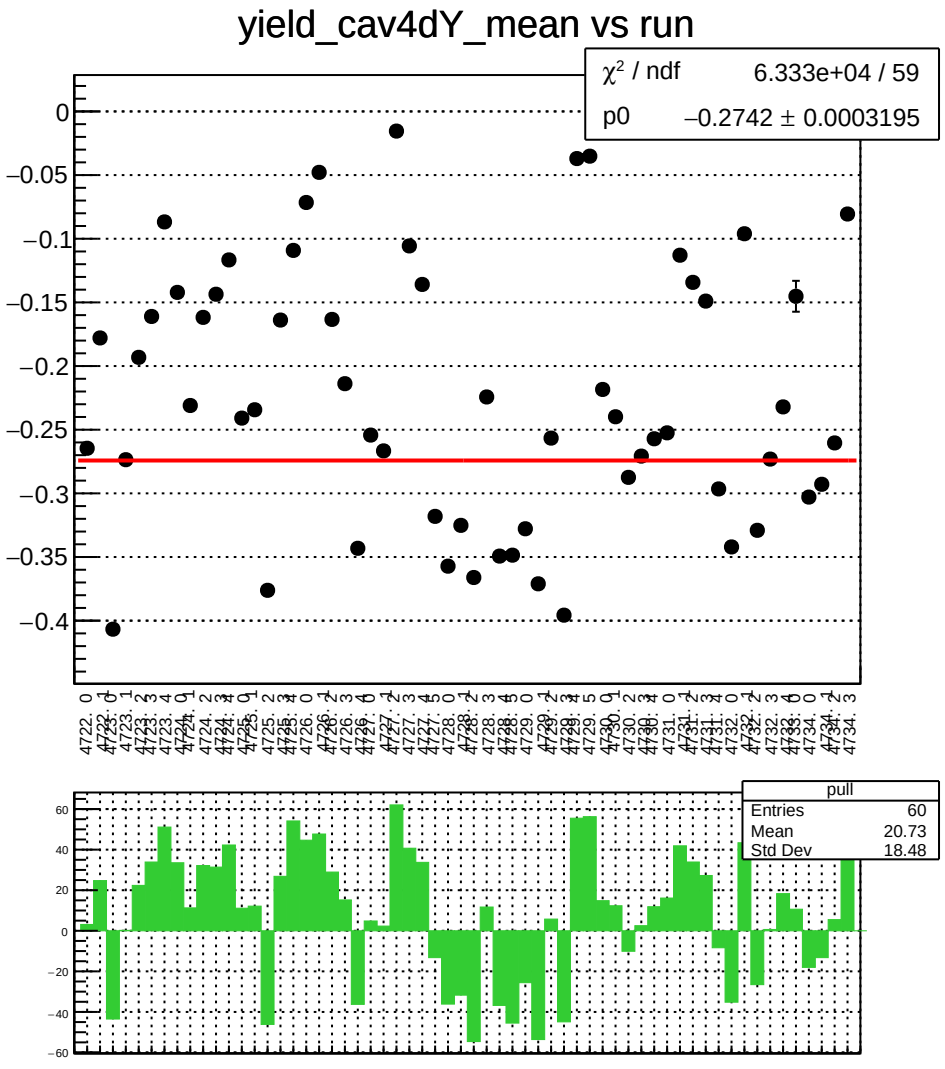

pull1D
Entries 60
Mean 1.814
Std Dev 3.927

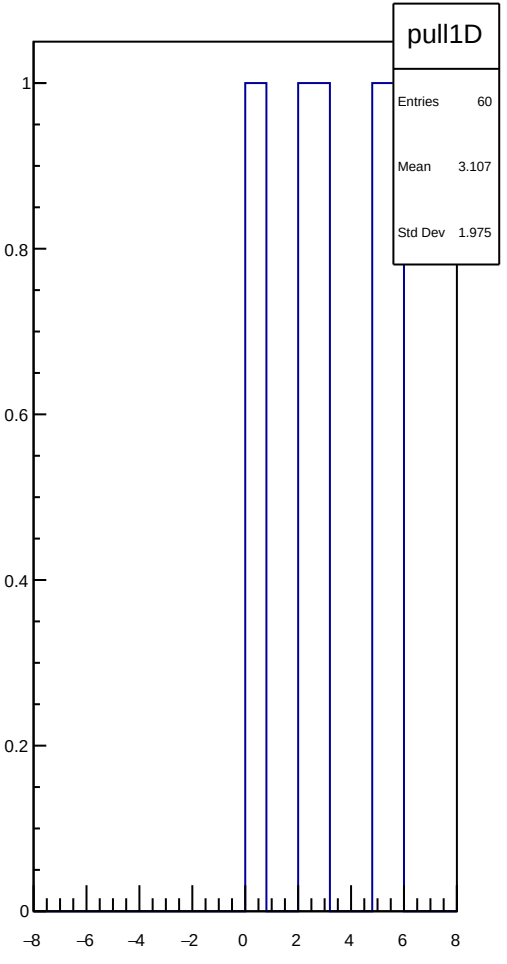

yield_cav4cY_rms vs run
χ² / ndf 2.105e+05 / 59
p0 0.01292 ± 1.339e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

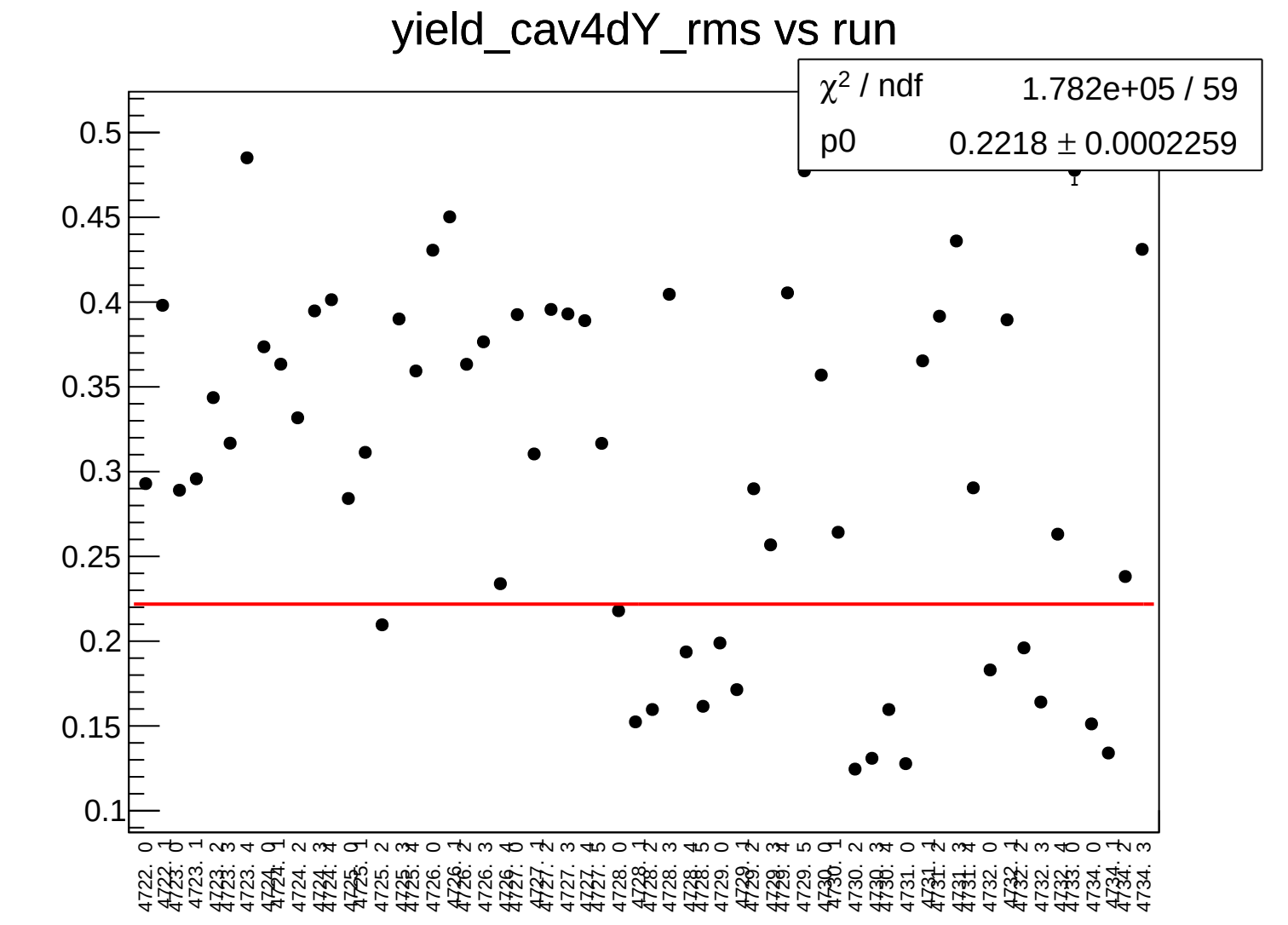

yield_cav4dX_mean vs run
χ² / ndf 6.122e+04 / 59
p0 7.041± 2.242e−07
pull
Entries 60
Mean 192.4
Std Dev 173.6

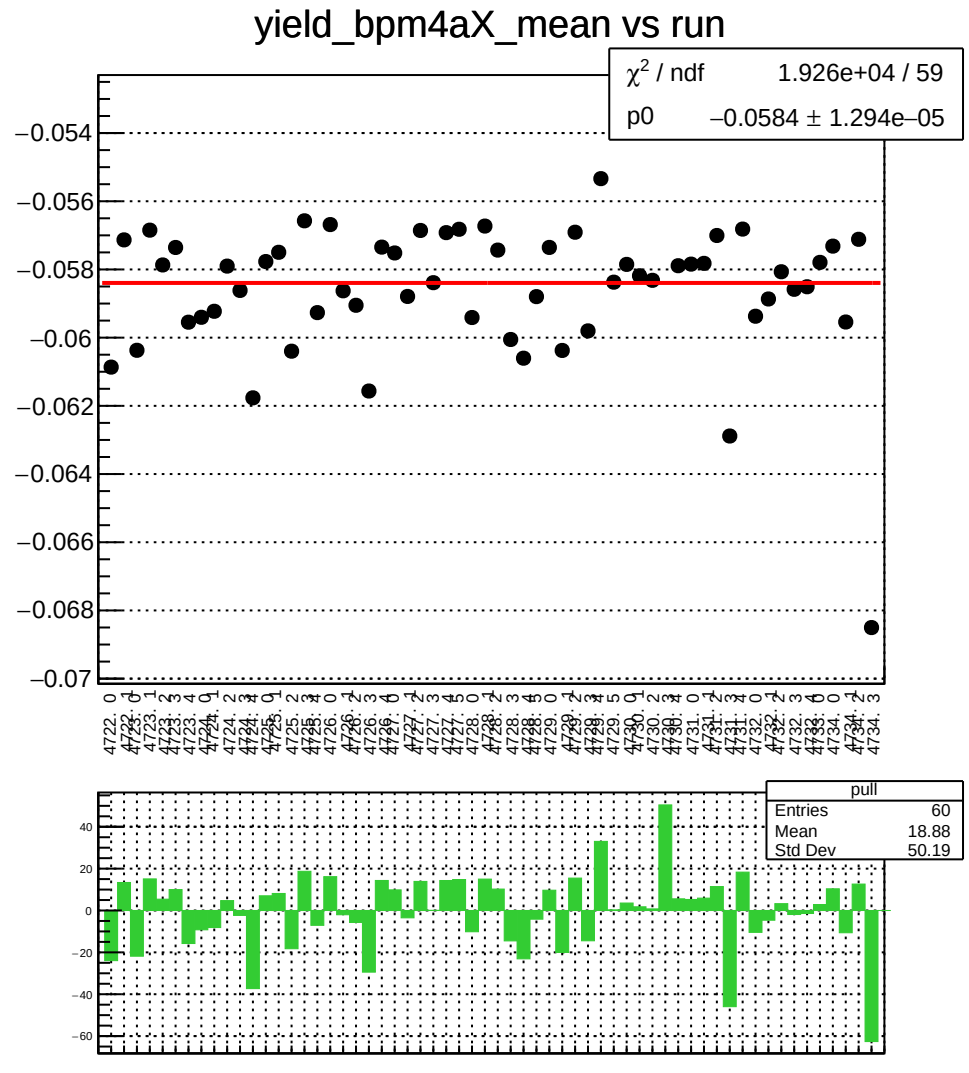

pull1D
Entries 60
Mean −2.223
Std Dev 3.641

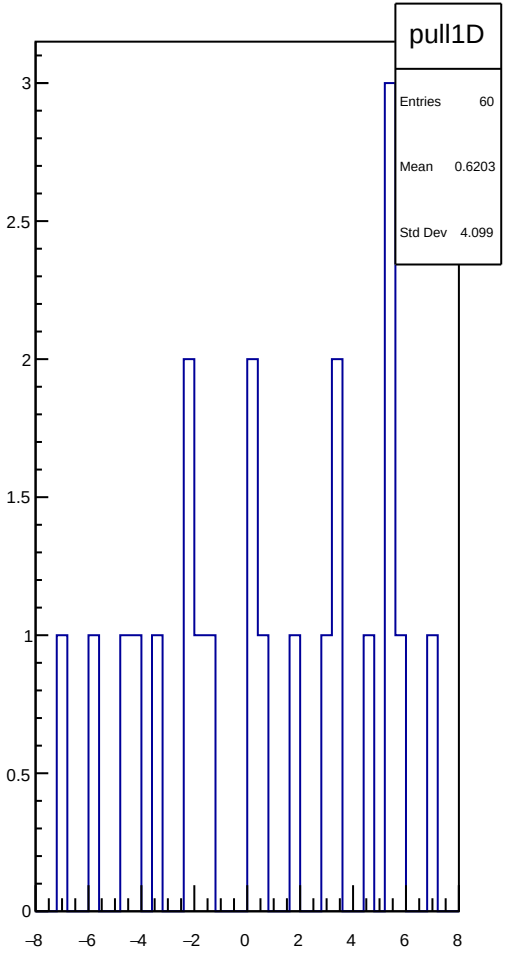

yield_cav4dX_rms vs run
χ² / ndf 1.007e+05 / 59
p0 0.0001618 ± 1.585e−07
3.5
3
2.5
2
1.5
1
0.5
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

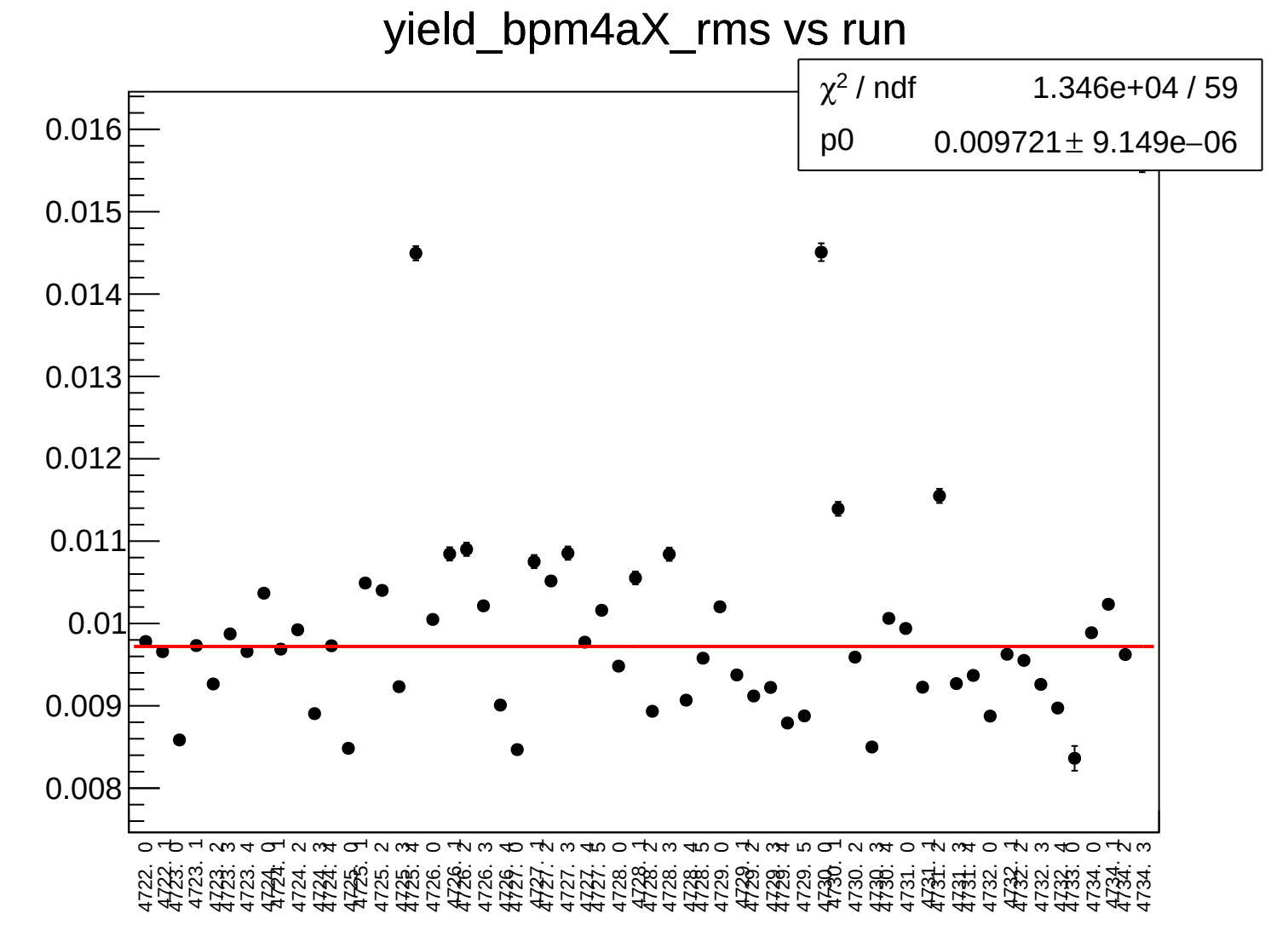

yield_cav4dY_mean vs run
χ² / ndf 6.333e+04 / 59
p0 −0.2742 ± 0.0003195
pull
Entries 60
Mean 20.73
Std Dev 18.48

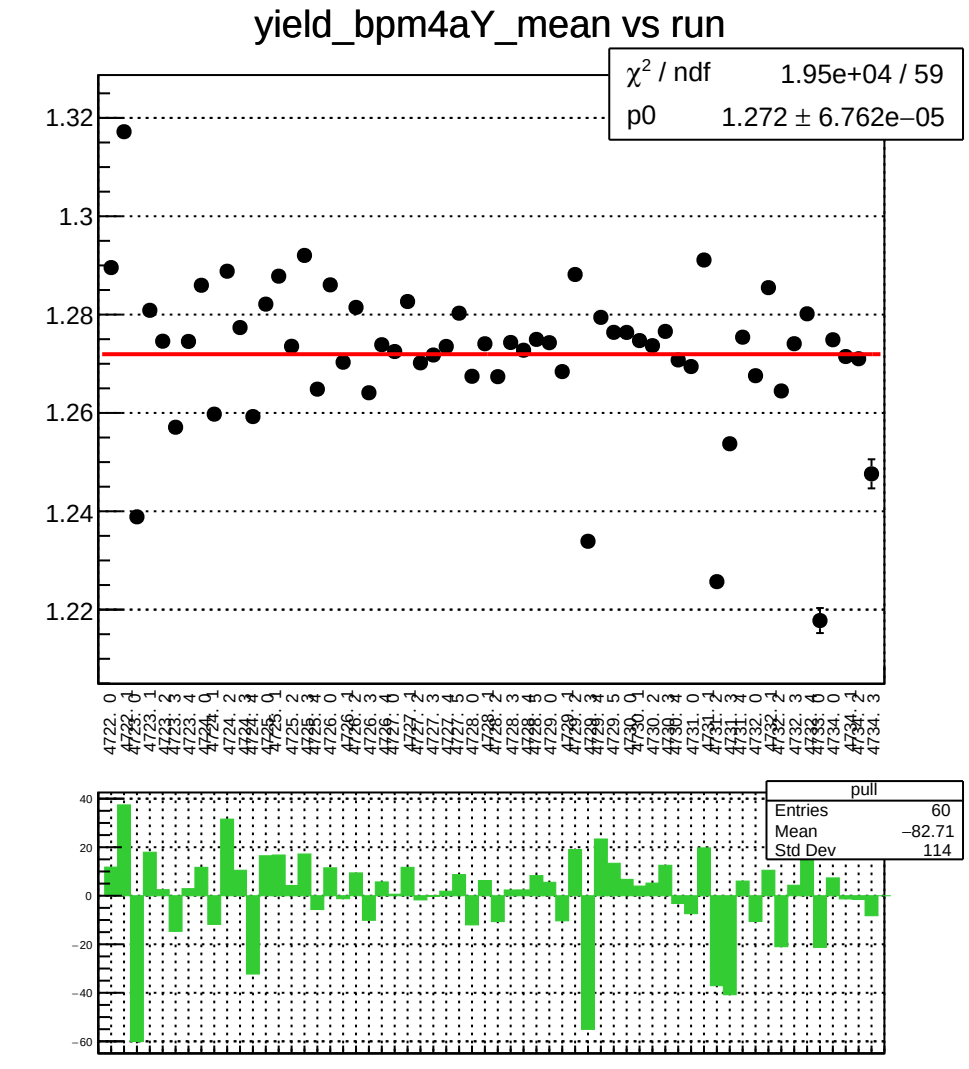

pull1D
Entries 60
Mean 3.107
Std Dev 1.975

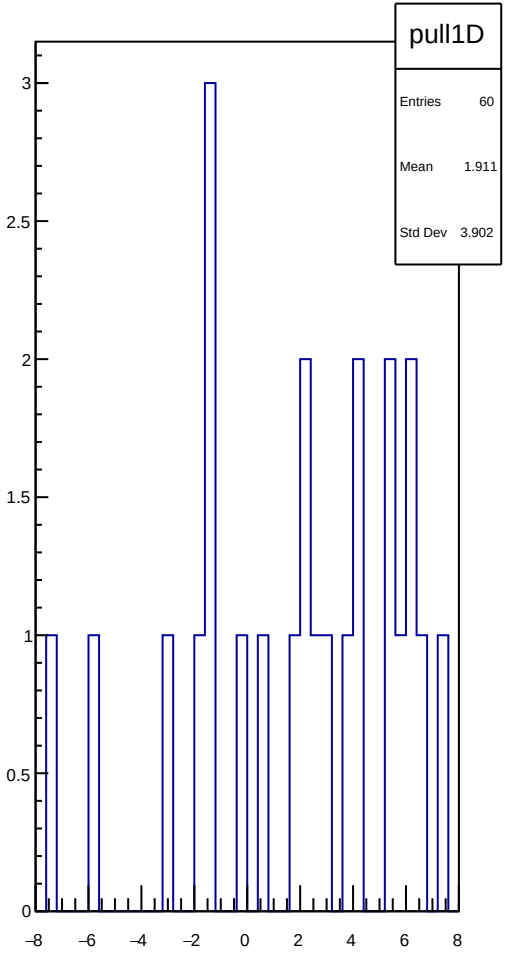

yield_cav4dY_rms vs run
χ² / ndf 1.782e+05 / 59
p0 0.2218 ± 0.0002259
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

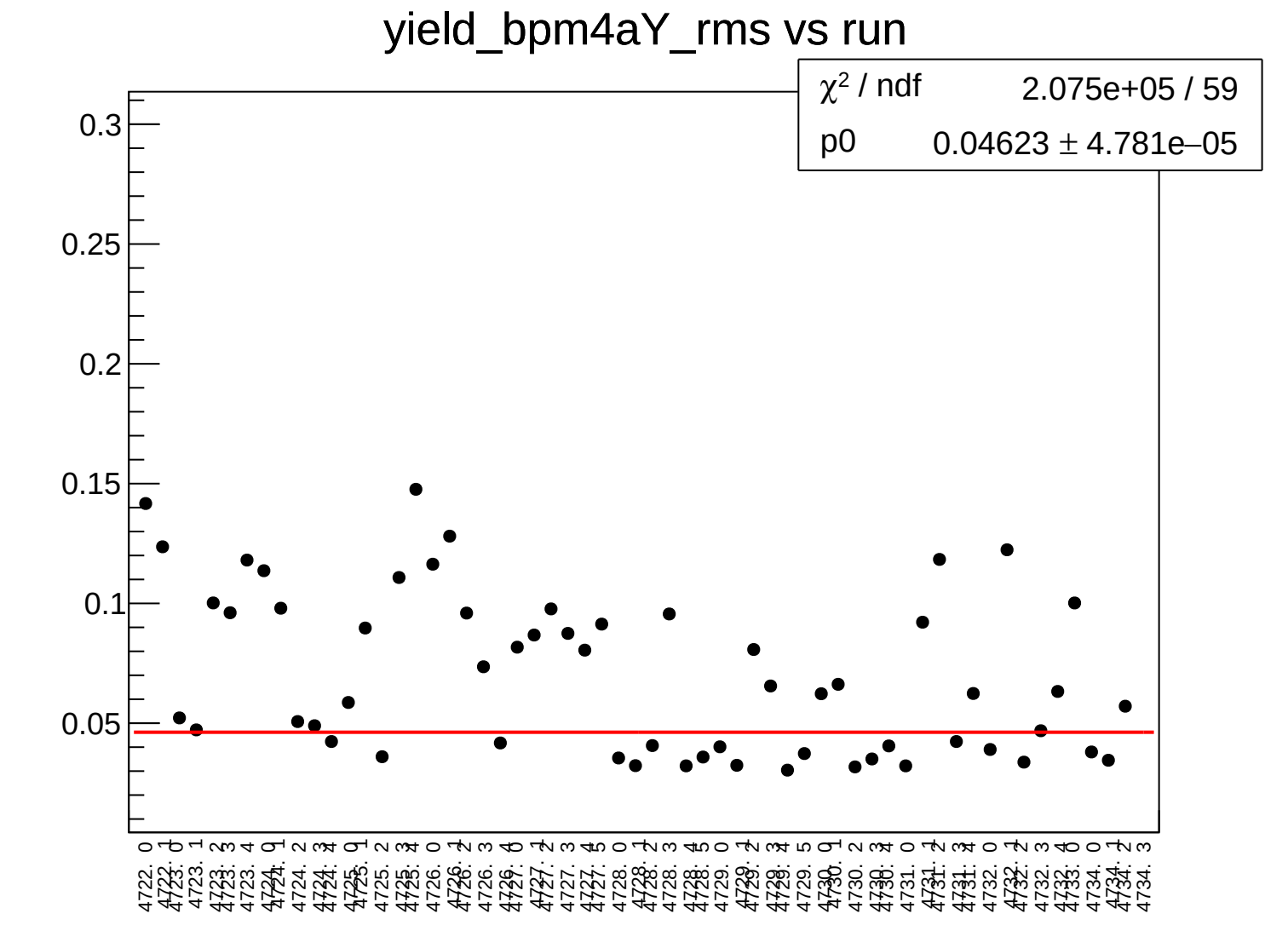

yield_bpm4aX_mean vs run
χ² / ndf 1.926e+04 / 59
p0 −0.0584 ± 1.294e−05
−0.054
−0.056
−0.058
−0.06
−0.062
−0.064
−0.066
−0.068
−0.07
pull
Entries 60
Mean 18.88
Std Dev 50.19
40
20
0
−20
−40
−60

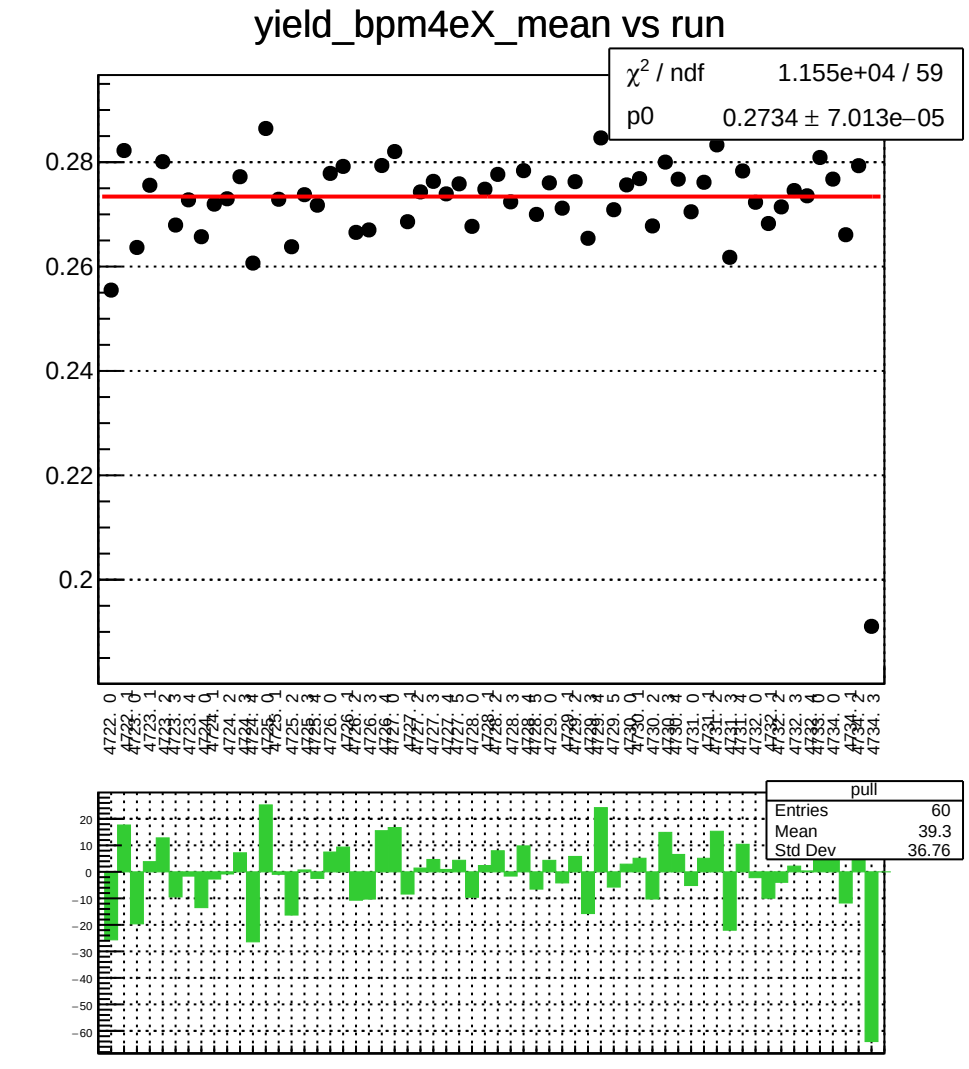

pull1D
Entries 60
Mean 0.6203
Std Dev 4.099
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

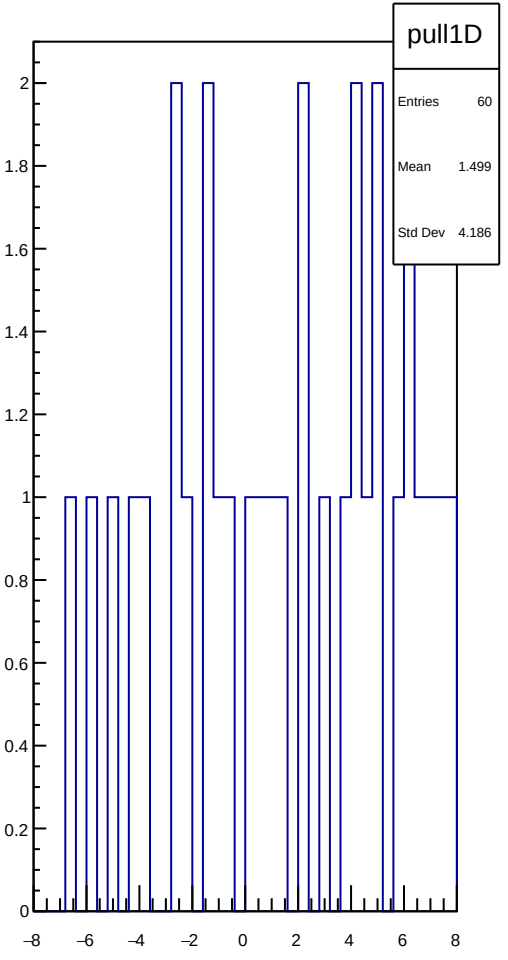

yield_bpm4aX_rms vs run
χ² / ndf 1.346e+04 / 59
p0 0.009721 ± 9.149e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

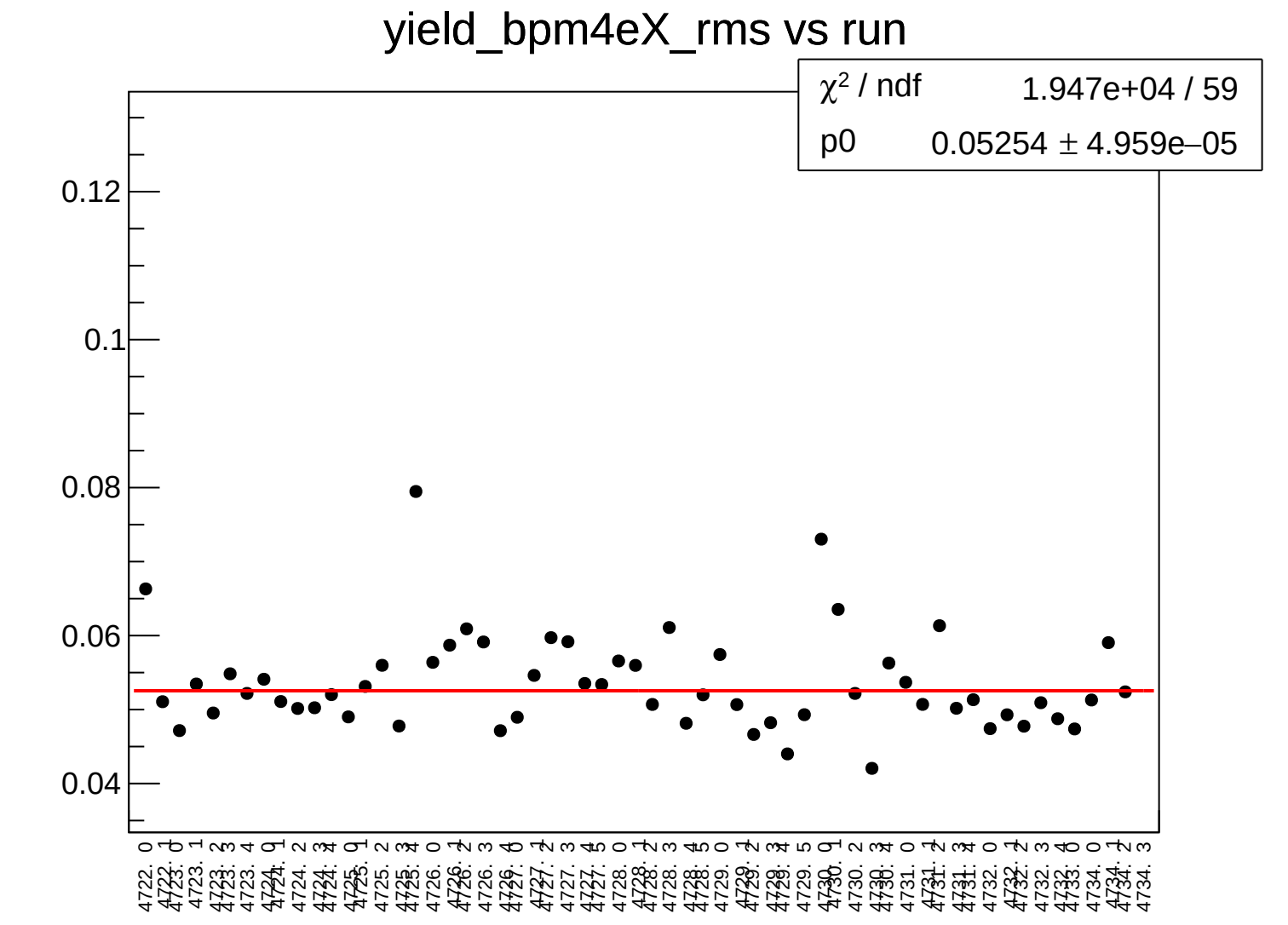

yield_bpm4aY_mean vs run
χ² / ndf 1.95e+04 / 59
p0 1.272 ± 6.762e−05
1.32
1.3
1.28
1.26
1.24
1.22
pull
Entries 60
Mean −82.71
Std Dev 114
40
20
0
−20
−40
−60

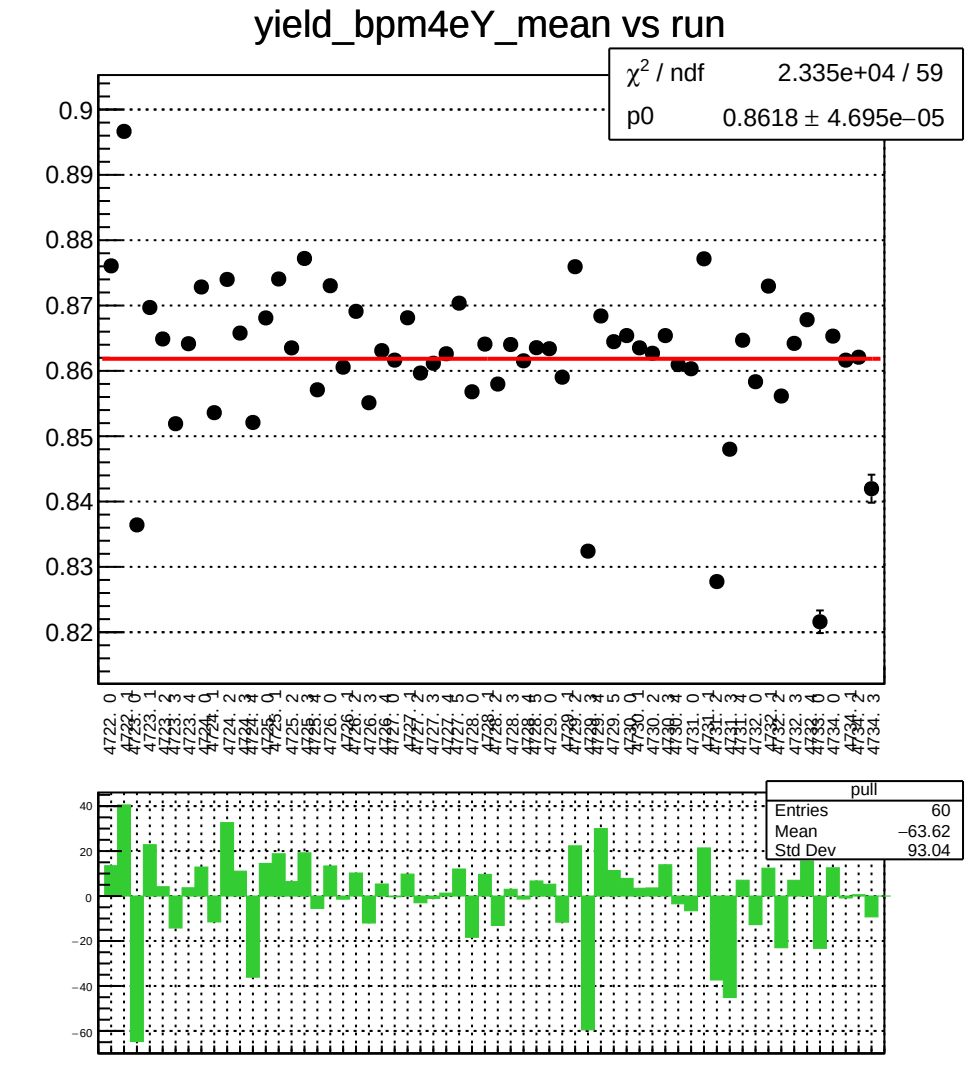

pull1D
Entries 60
Mean 1.911
Std Dev 3.902
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

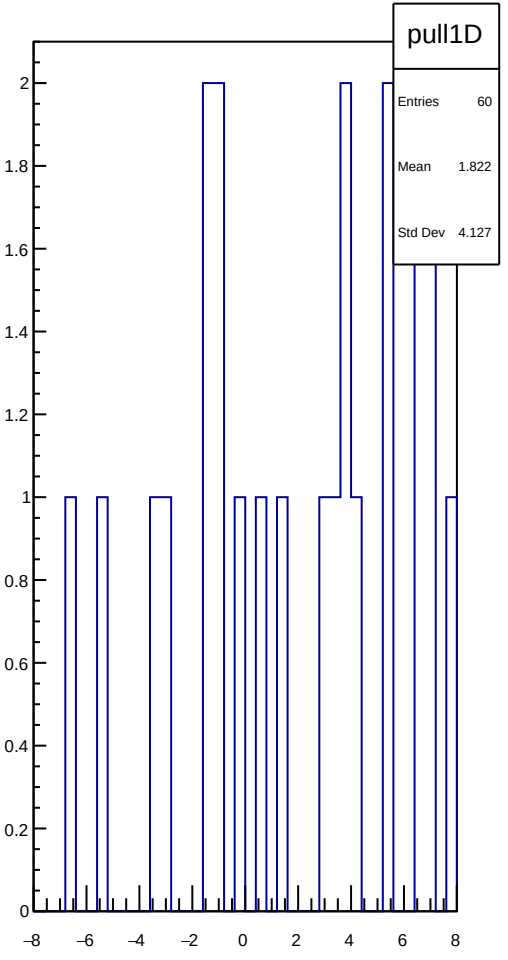

yield_bpm4aY_rms vs run
χ² / ndf 2.075e+05 / 59
p0 0.04623 ± 4.781e–05
0.3
0.25
0.2
0.15
0.1
0.05

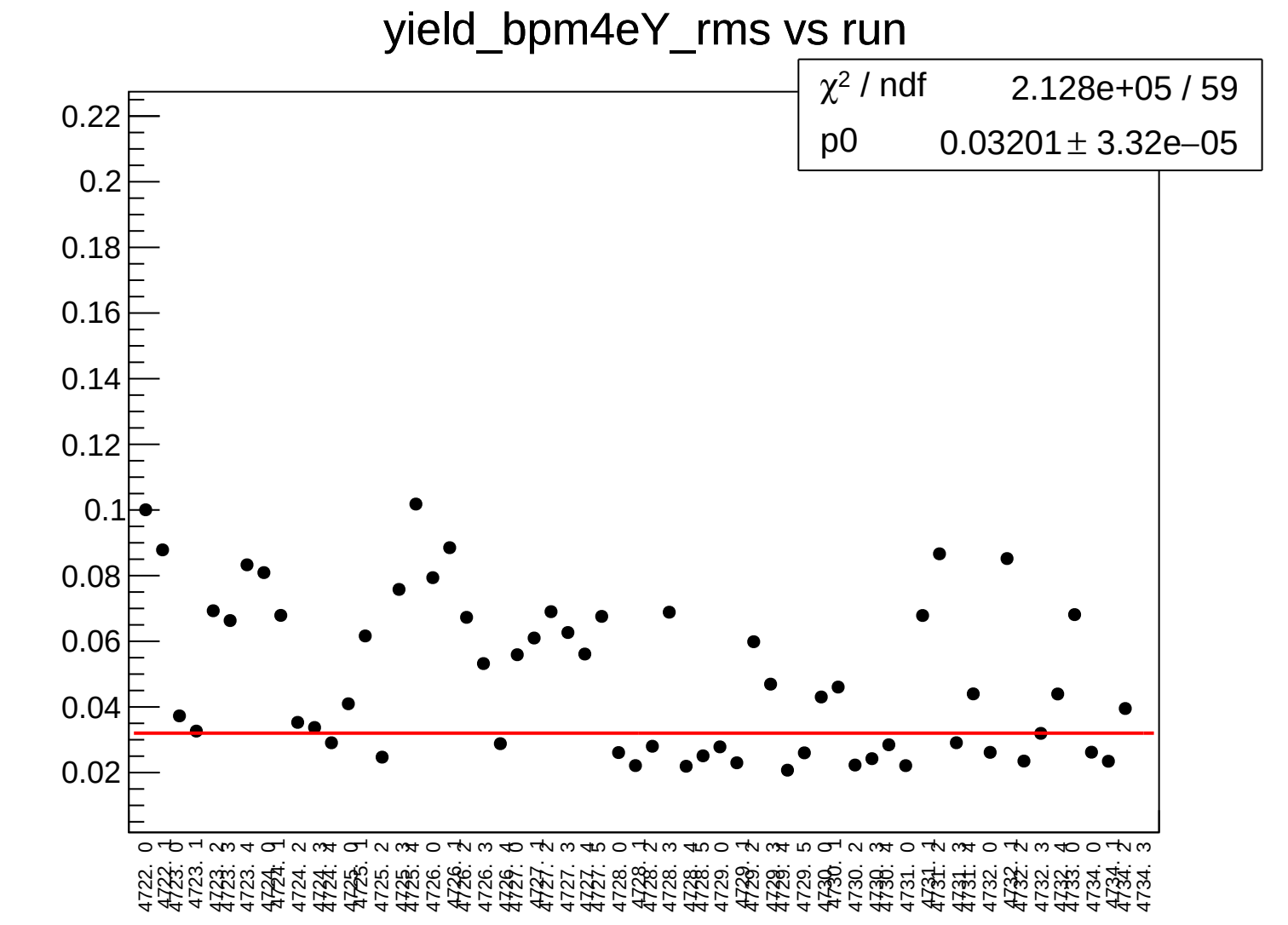

yield_bpm4eX_mean vs run
χ² / ndf 1.155e+04 / 59
p0 0.2734 ± 7.013e−05
0.28
0.26
0.24
0.22
0.2
pull
Entries 60
Mean 39.3
Std Dev 36.76
20
10
0
−10
−20
−30
−40
−50
−60

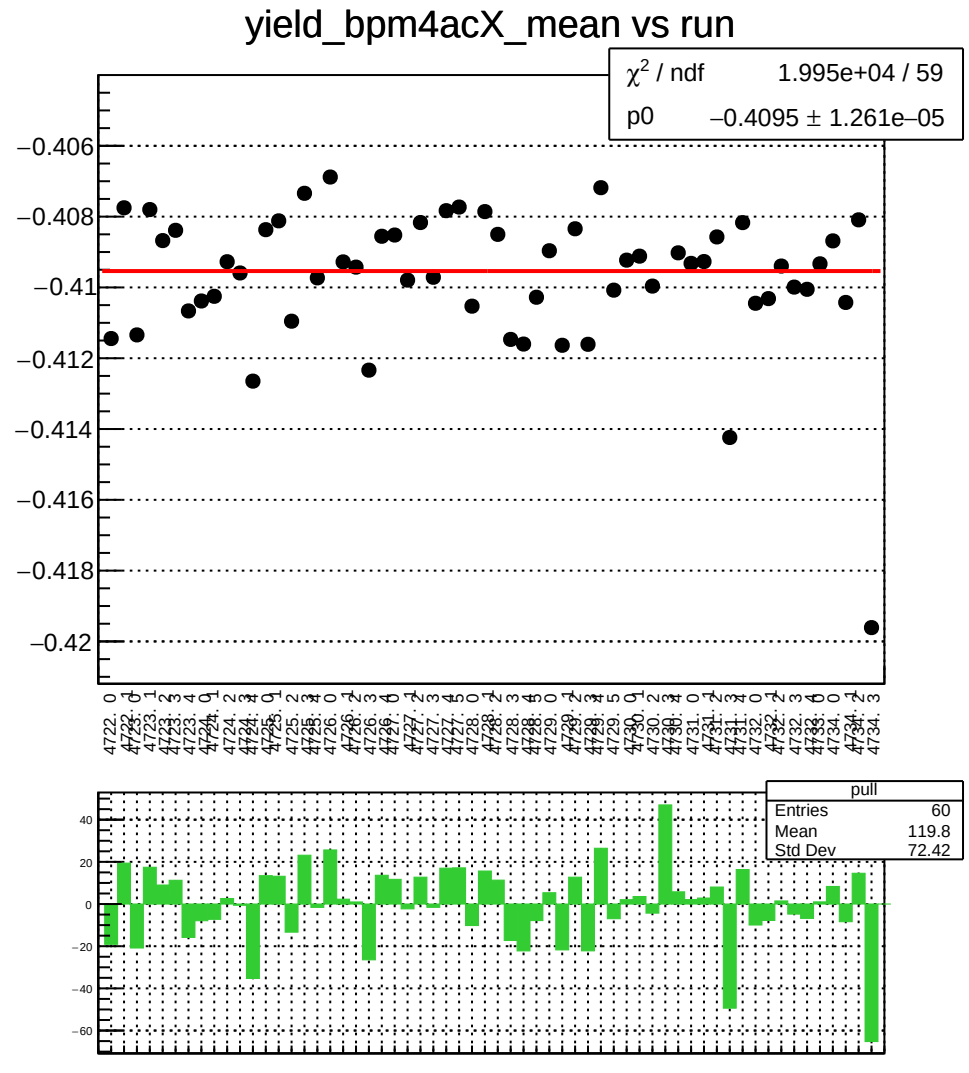

pull1D
Entries 60
Mean 1.499
Std Dev 4.186
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

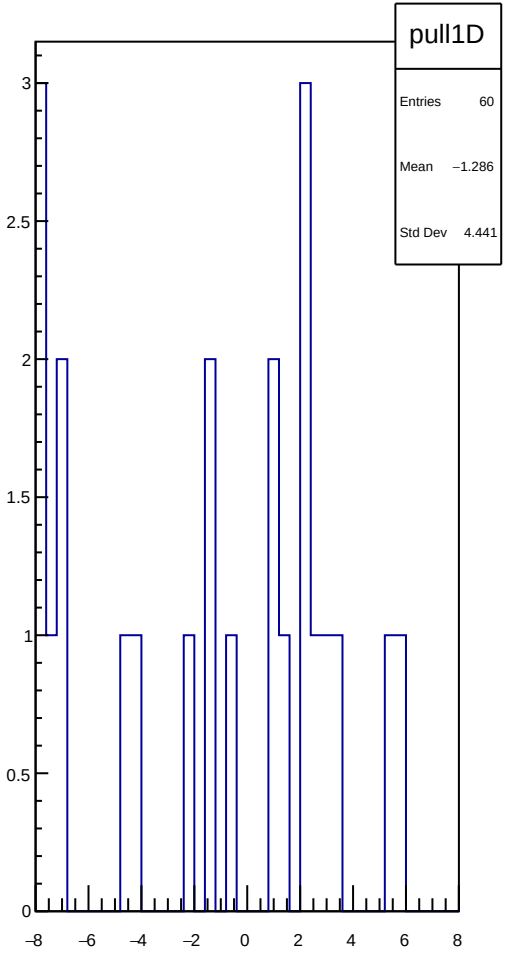

yield_bpm4eX_rms vs run
χ² / ndf 1.947e+04 / 59
p0 0.05254 ± 4.959e–05
0.12
0.1
0.08
0.06
0.04
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 9
4724. 0
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

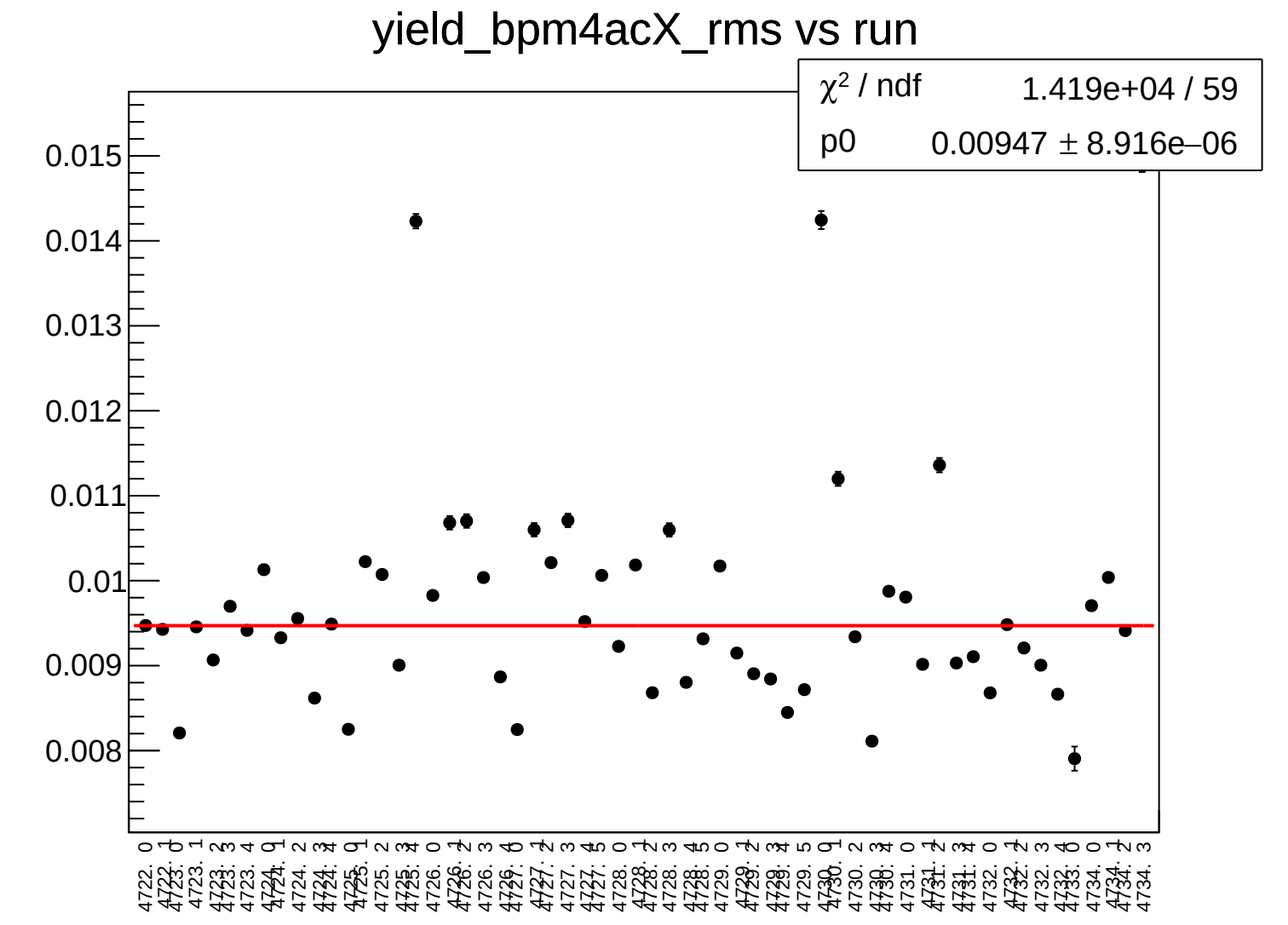

yield_bpm4eY_mean vs run
χ² / ndf 2.335e+04 / 59
p0 0.8618 ± 4.695e−05
pull
Entries 60
Mean −63.62
Std Dev 93.04

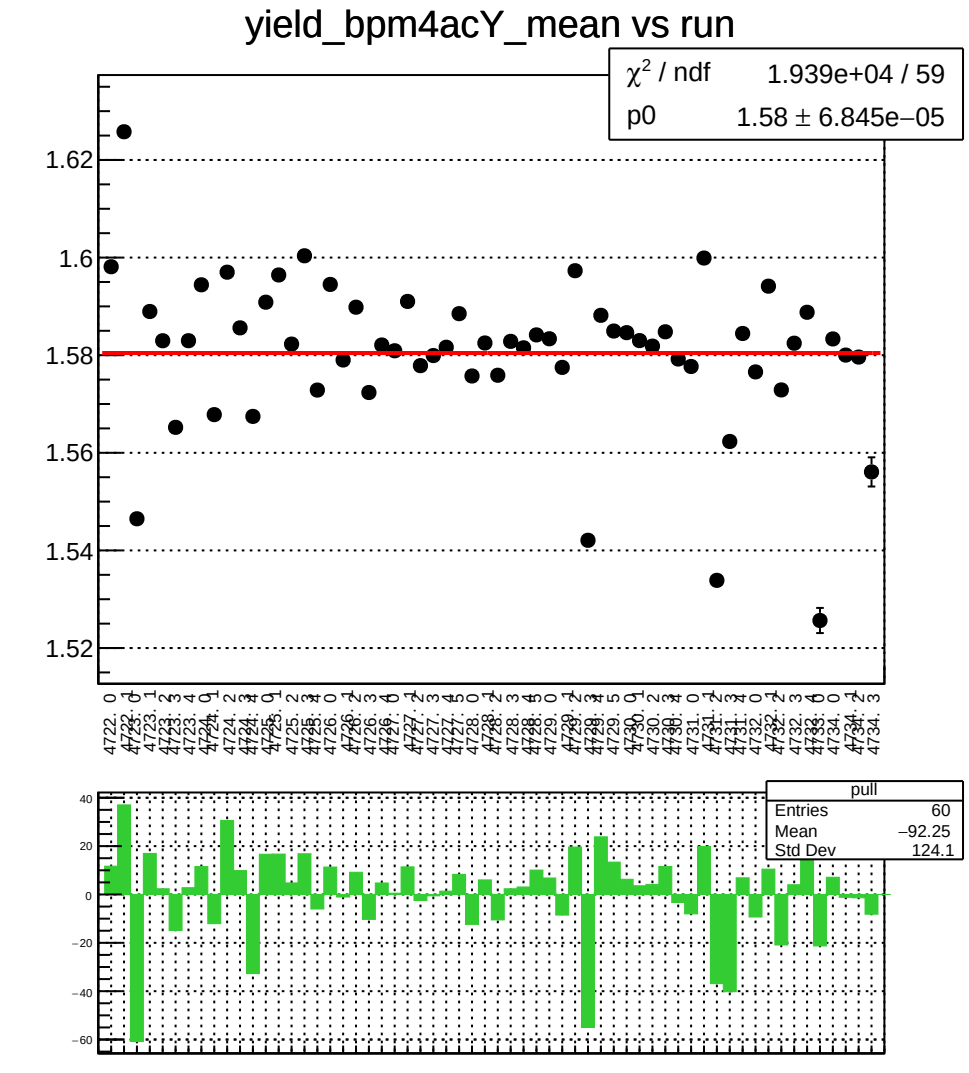

pull1D
Entries 60
Mean 1.822
Std Dev 4.127

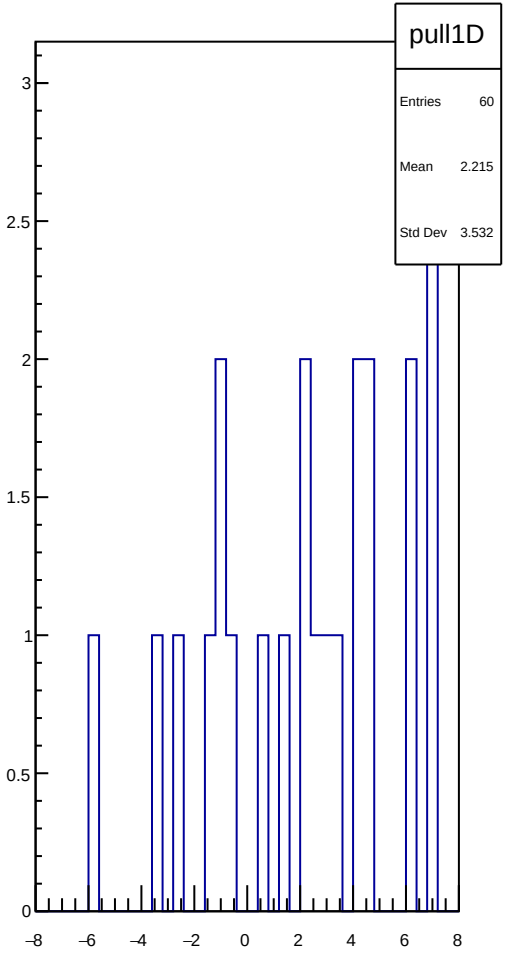

yield_bpm4eY_rms vs run
χ² / ndf 2.128e+05 / 59
p0 0.03201 ± 3.32e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

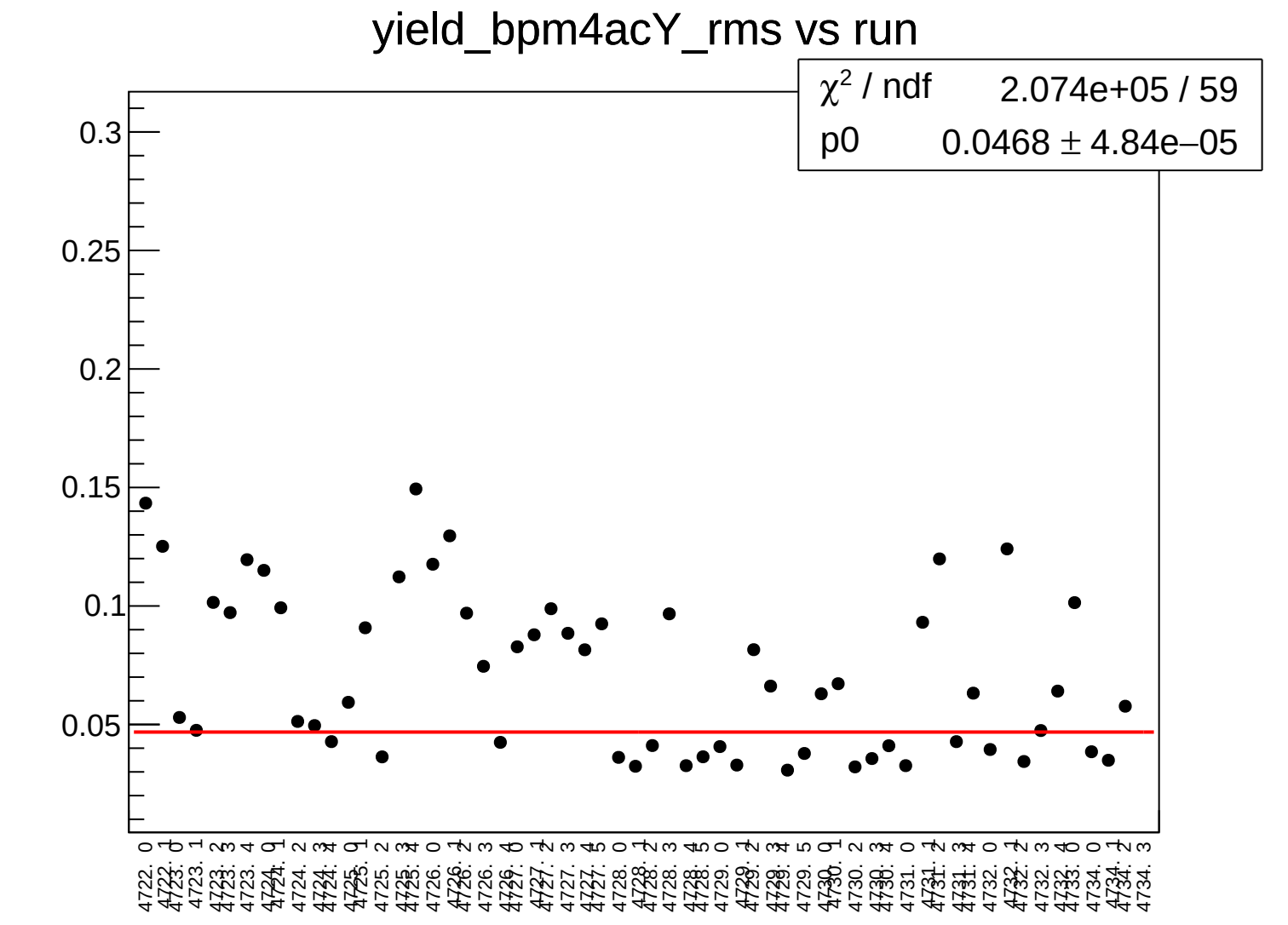

yield_bpm4acX_mean vs run
χ² / ndf 1.995e+04 / 59
p0 −0.4095 ± 1.261e−05
−0.406
−0.408
−0.41
−0.412
−0.414
−0.416
−0.418
−0.42
pull
Entries 60
Mean 119.8
Std Dev 72.42
40
20
0
−20
−40
−60

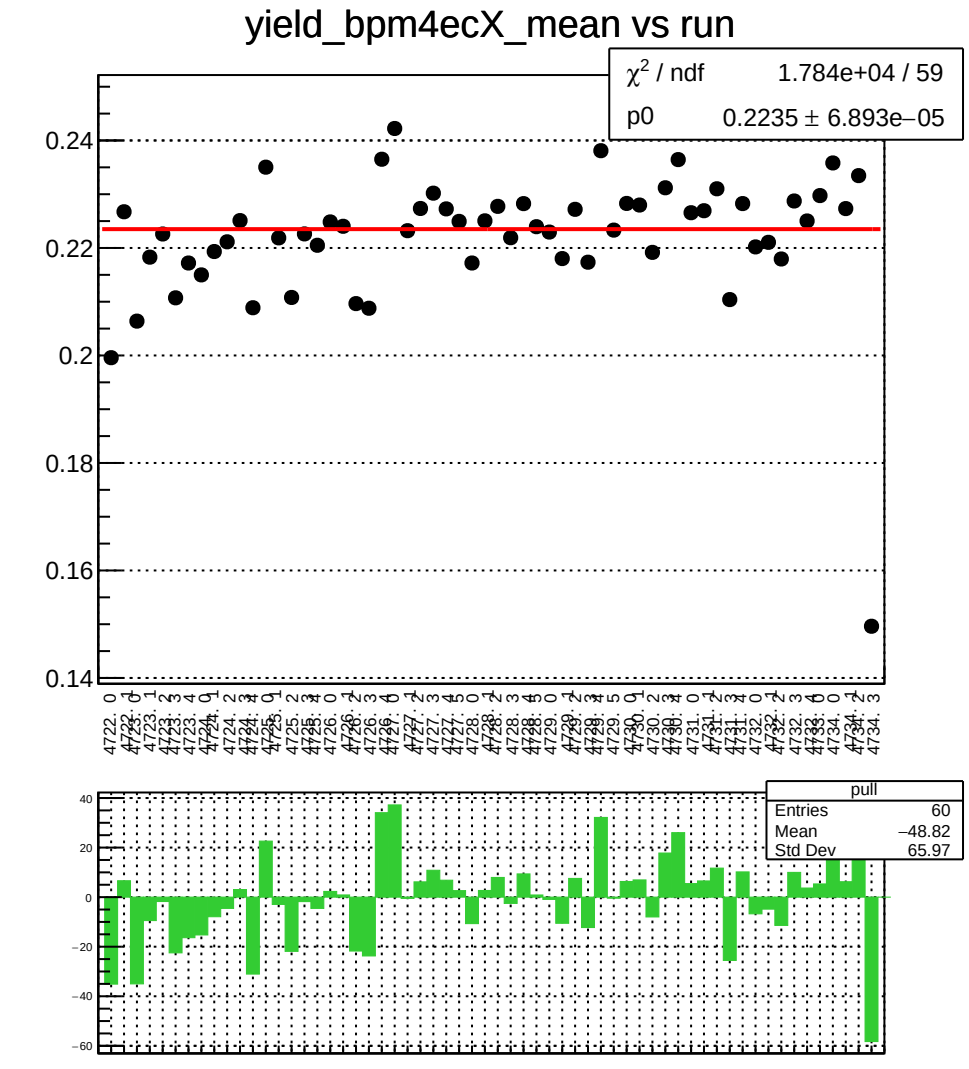

pull1D
Entries 60
Mean −1.286
Std Dev 4.441
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

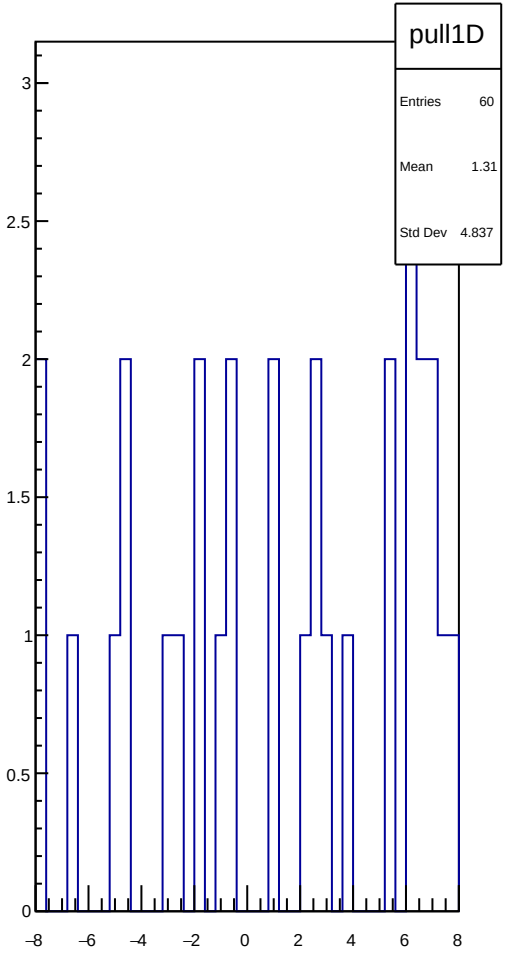

yield_bpm4acX_rms vs run
χ² / ndf 1.419e+04 / 59
p0 0.00947 ± 8.916e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

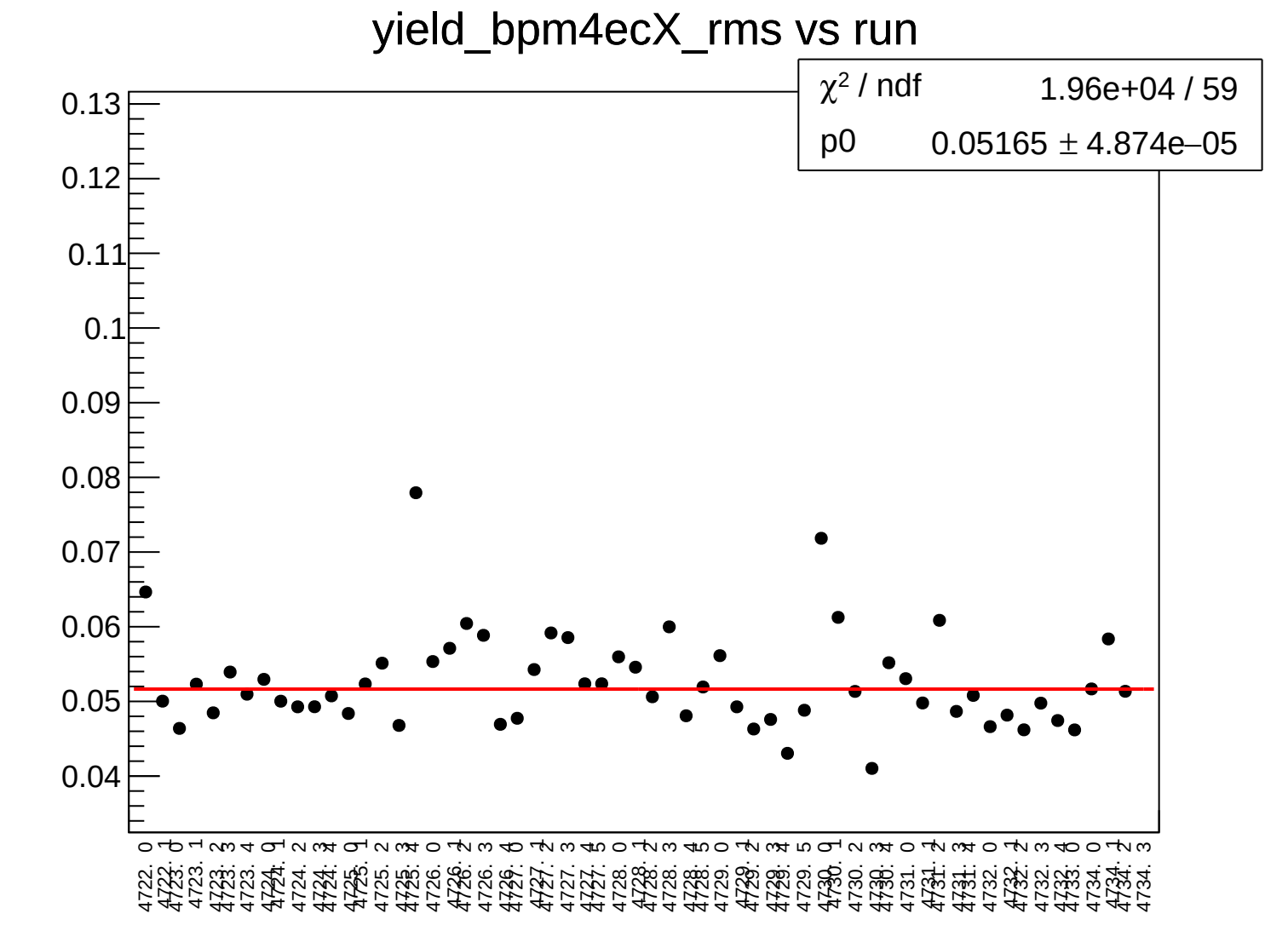

yield_bpm4acY_mean vs run
χ² / ndf 1.939e+04 / 59
p0 1.58 ± 6.845e−05
1.62
1.6
1.58
1.56
1.54
1.52
pull
Entries 60
Mean −92.25
Std Dev 124.1
40
20
0
−20
−40
−60

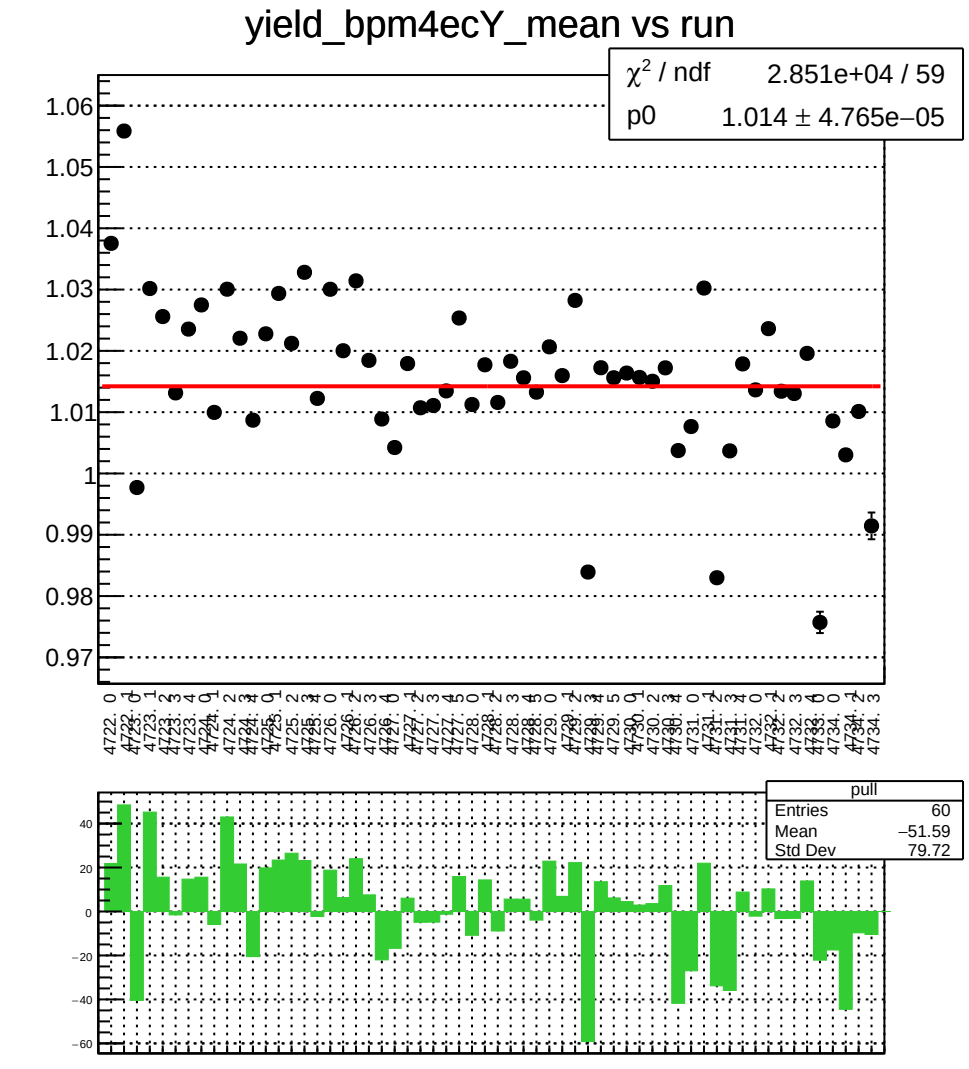

pull1D
Entries 60
Mean 2.215
Std Dev 3.532
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

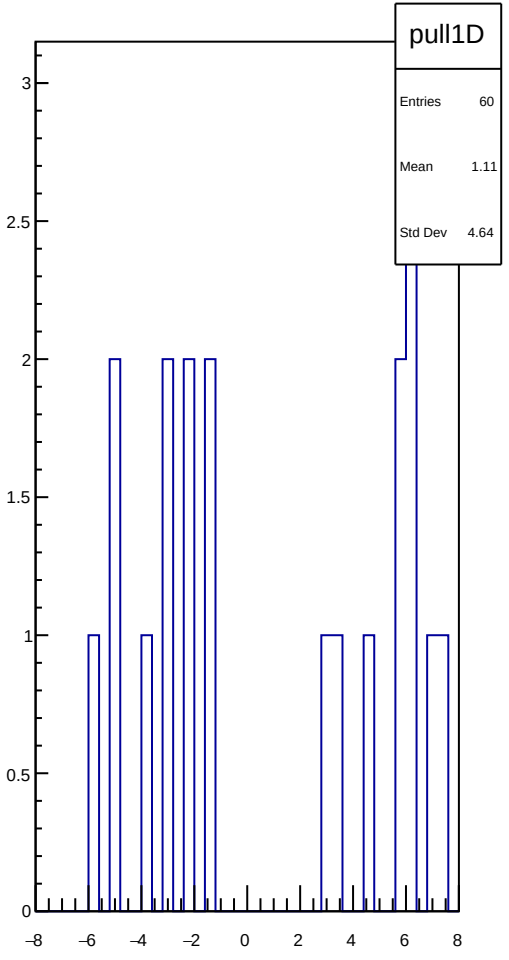

yield_bpm4acY_rms vs run
χ² / ndf 2.074e+05 / 59
p0 0.0468 ± 4.84e−05
0.3
0.25
0.2
0.15
0.1
0.05

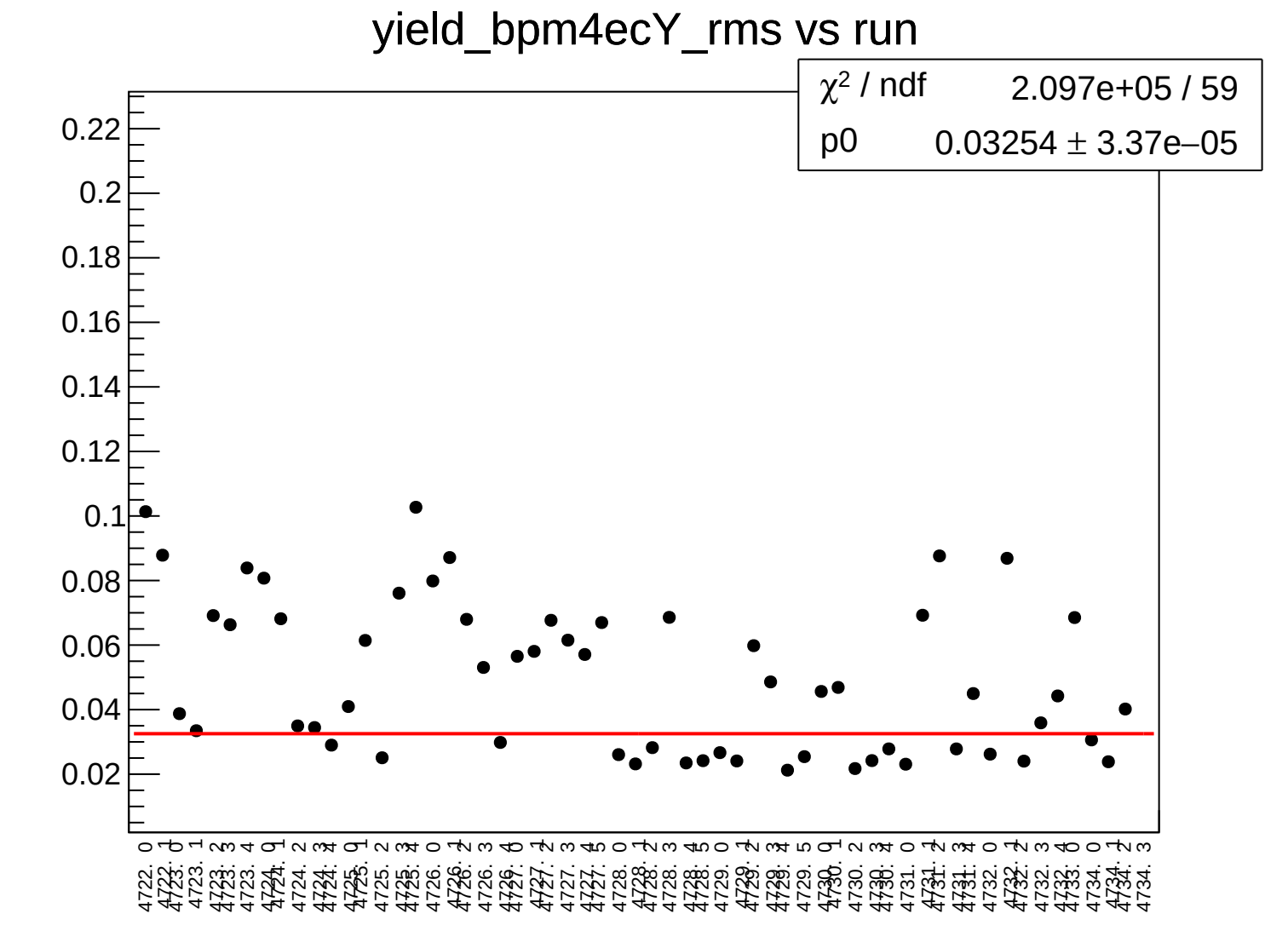

yield_bpm4ecX_mean vs run
χ² / ndf 1.784e+04 / 59
p0 0.2235 ± 6.893e−05
pull
Entries 60
Mean −48.82
Std Dev 65.97

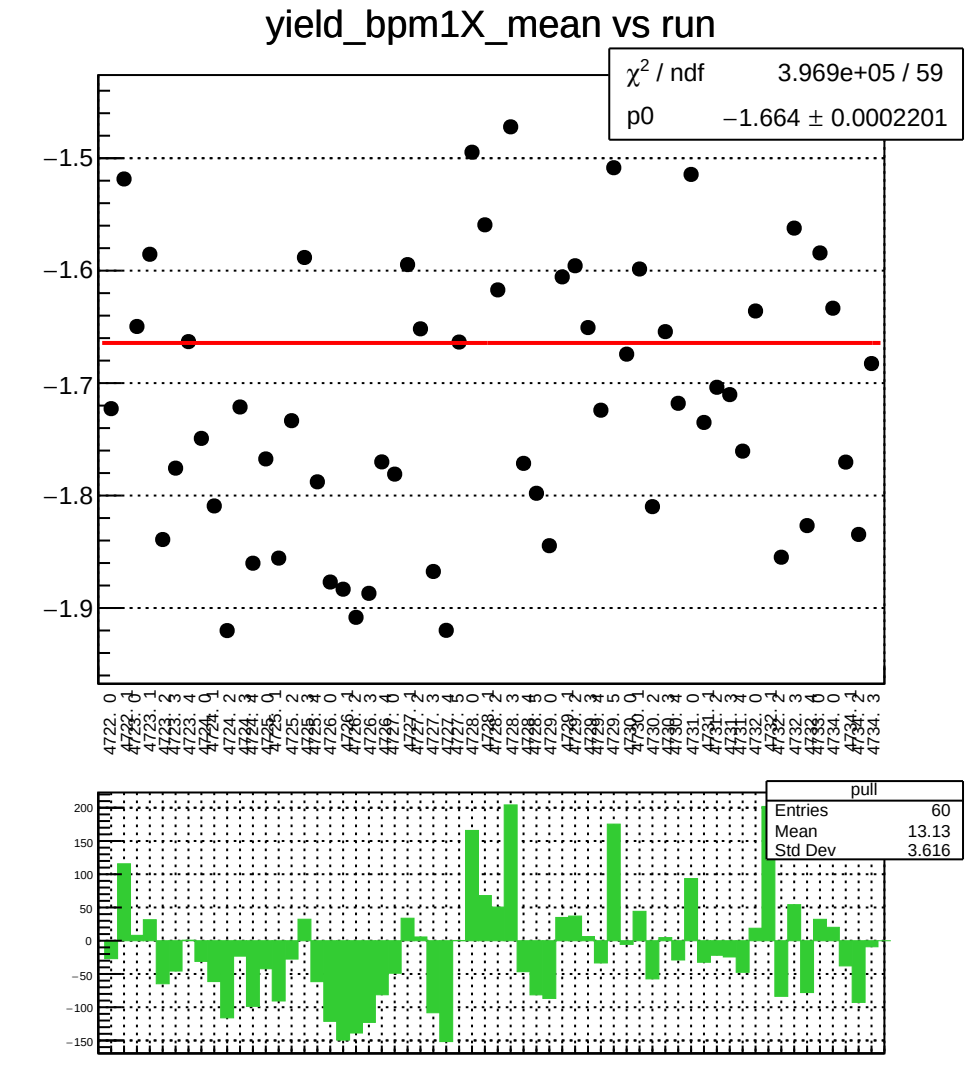

pull1D
Entries 60
Mean 1.31
Std Dev 4.837

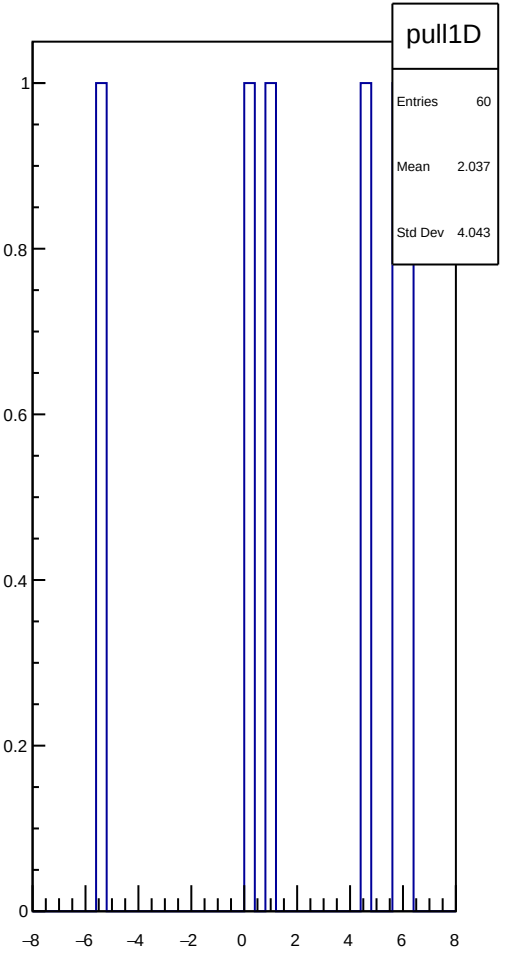

yield_bpm4ecX_rms vs run
χ² / ndf 1.96e+04 / 59
p0 0.05165 ± 4.874e–05
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

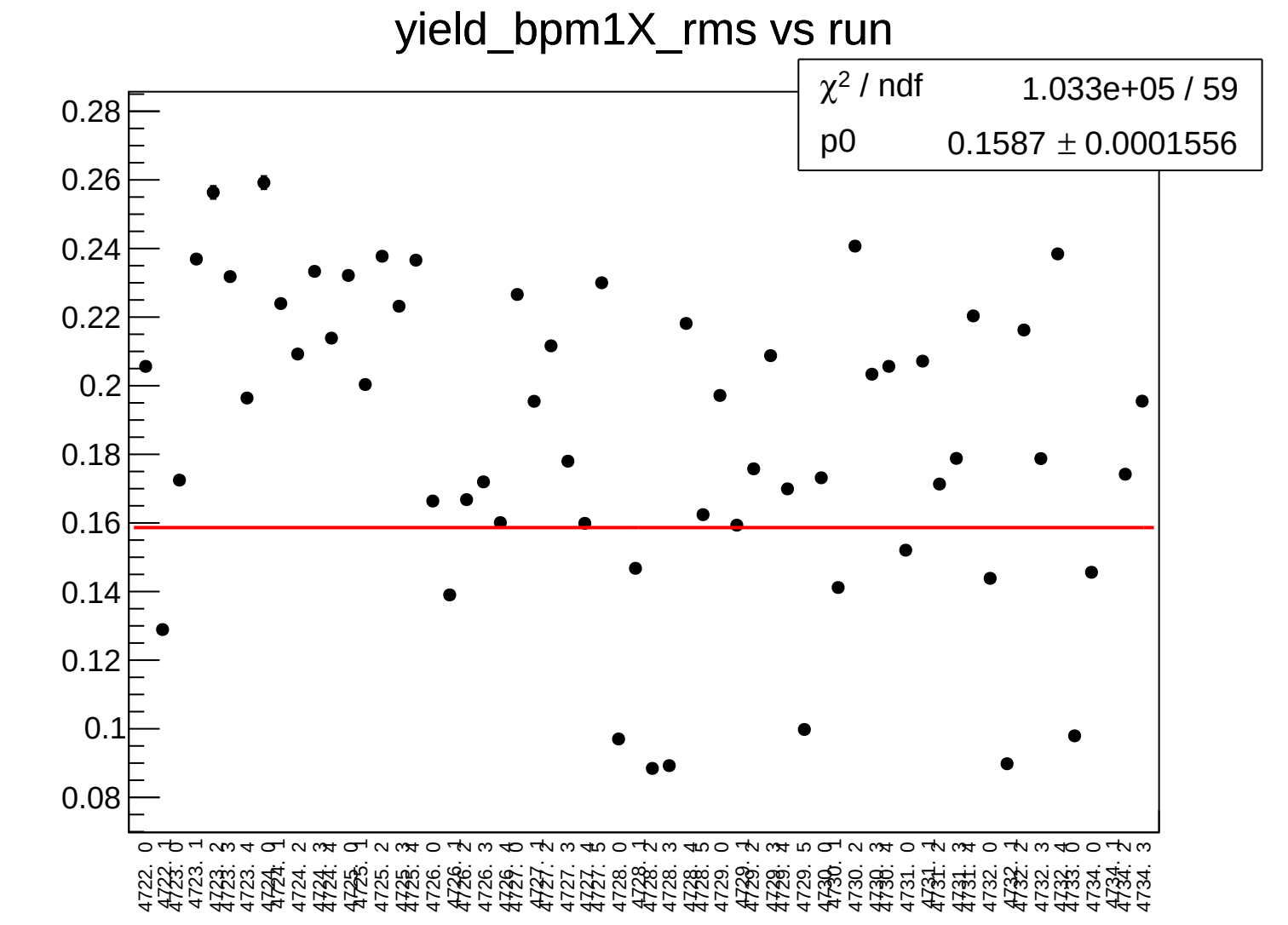

yield_bpm4ecY_mean vs run
χ² / ndf 2.851e+04 / 59
p0 1.014 ± 4.765e−05
pull
Entries 60
Mean −51.59
Std Dev 79.72

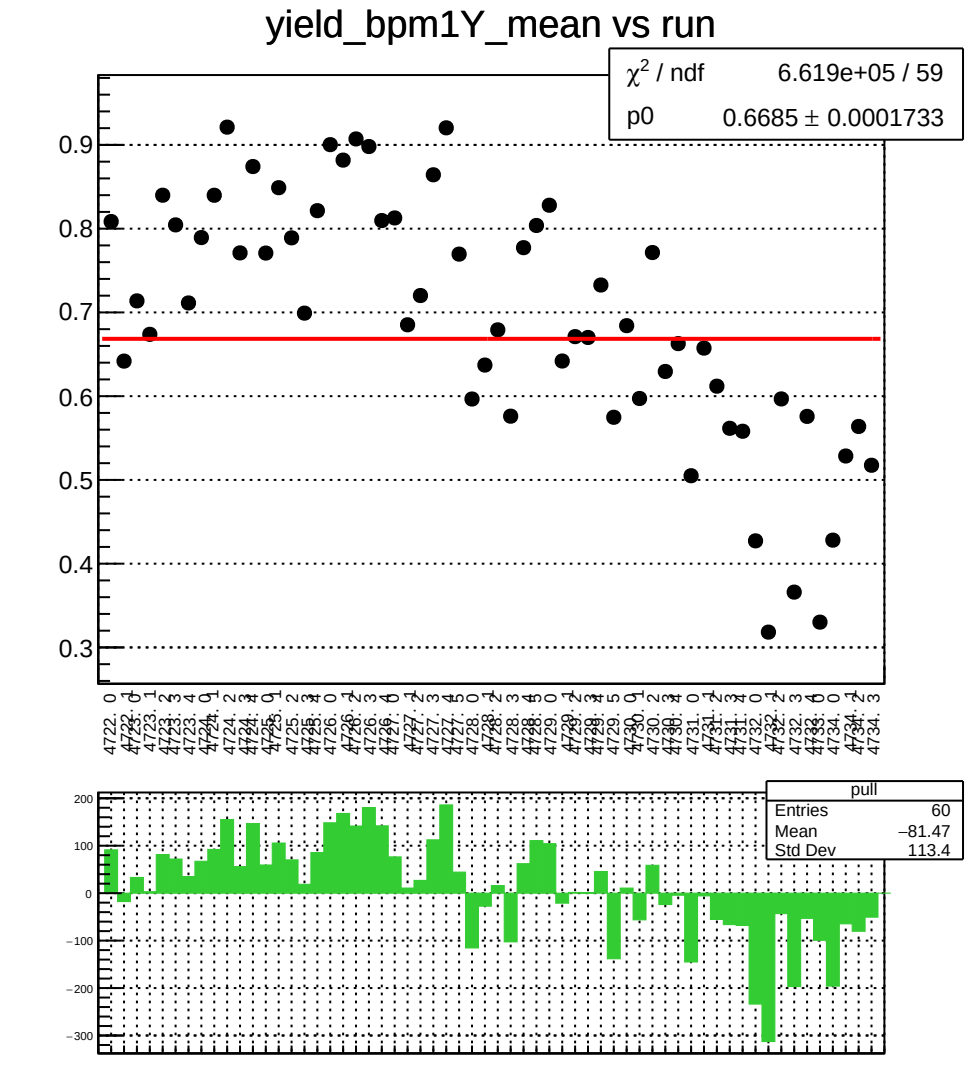

pull1D
Entries 60
Mean 1.11
Std Dev 4.64

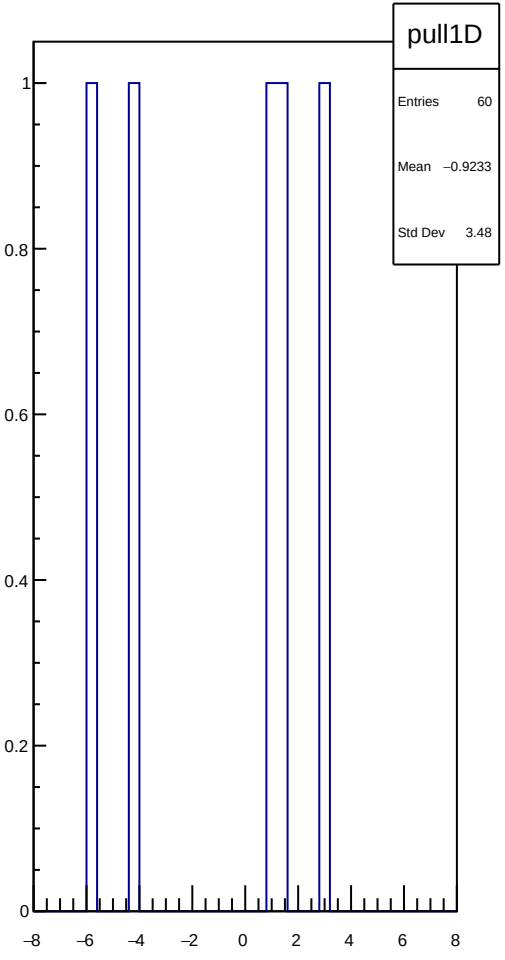

yield_bpm4ecY_rms vs run
χ² / ndf 2.097e+05 / 59
p0 0.03254 ± 3.37e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

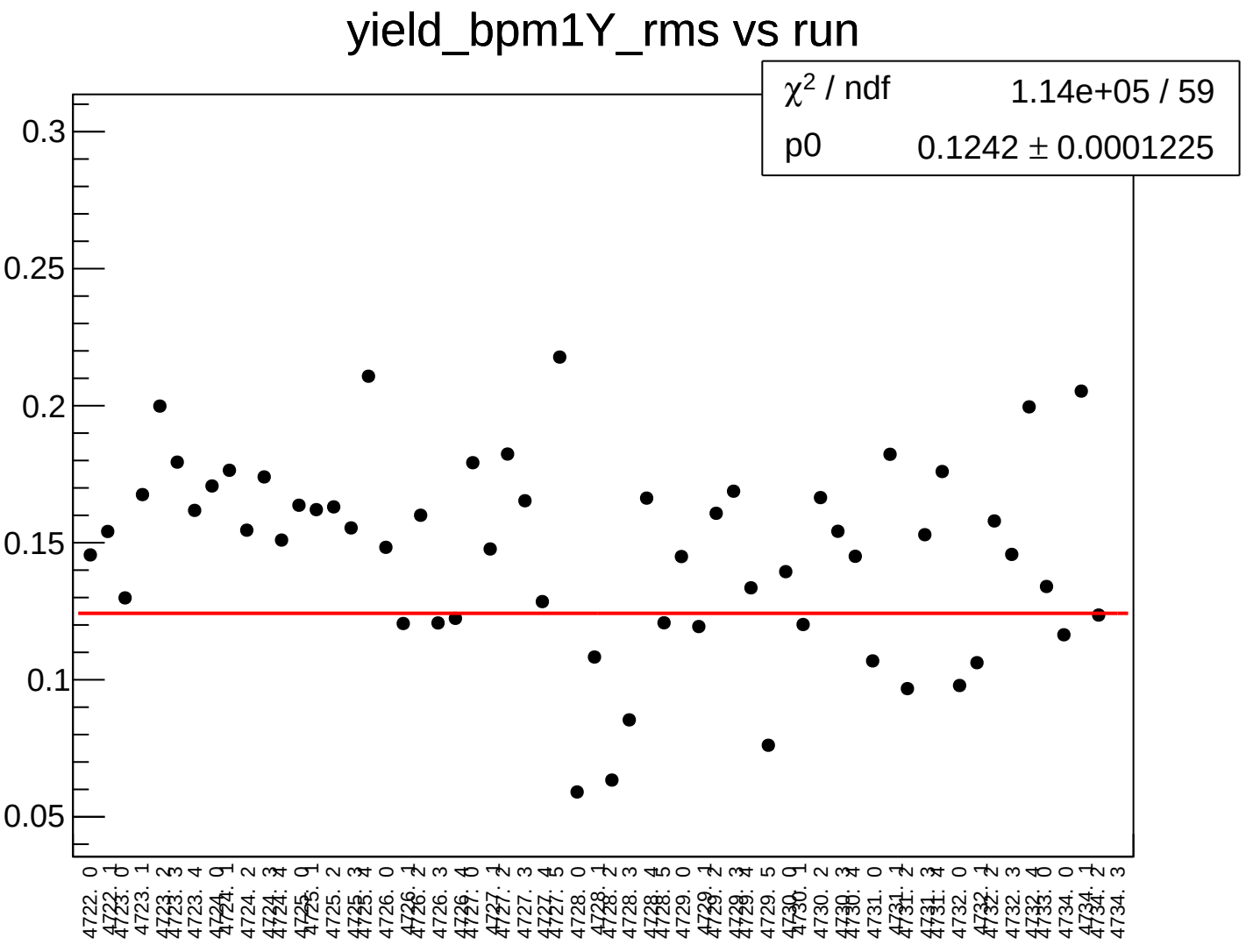

yield_bpm1X_mean vs run
χ² / ndf 3.969e+05 / 59
p0 −1.664 ± 0.0002201
−1.5
−1.6
−1.7
−1.8
−1.9
pull
Entries 60
Mean 13.13
Std Dev 3.616
200
150
100
50
0
−50
−100
−150

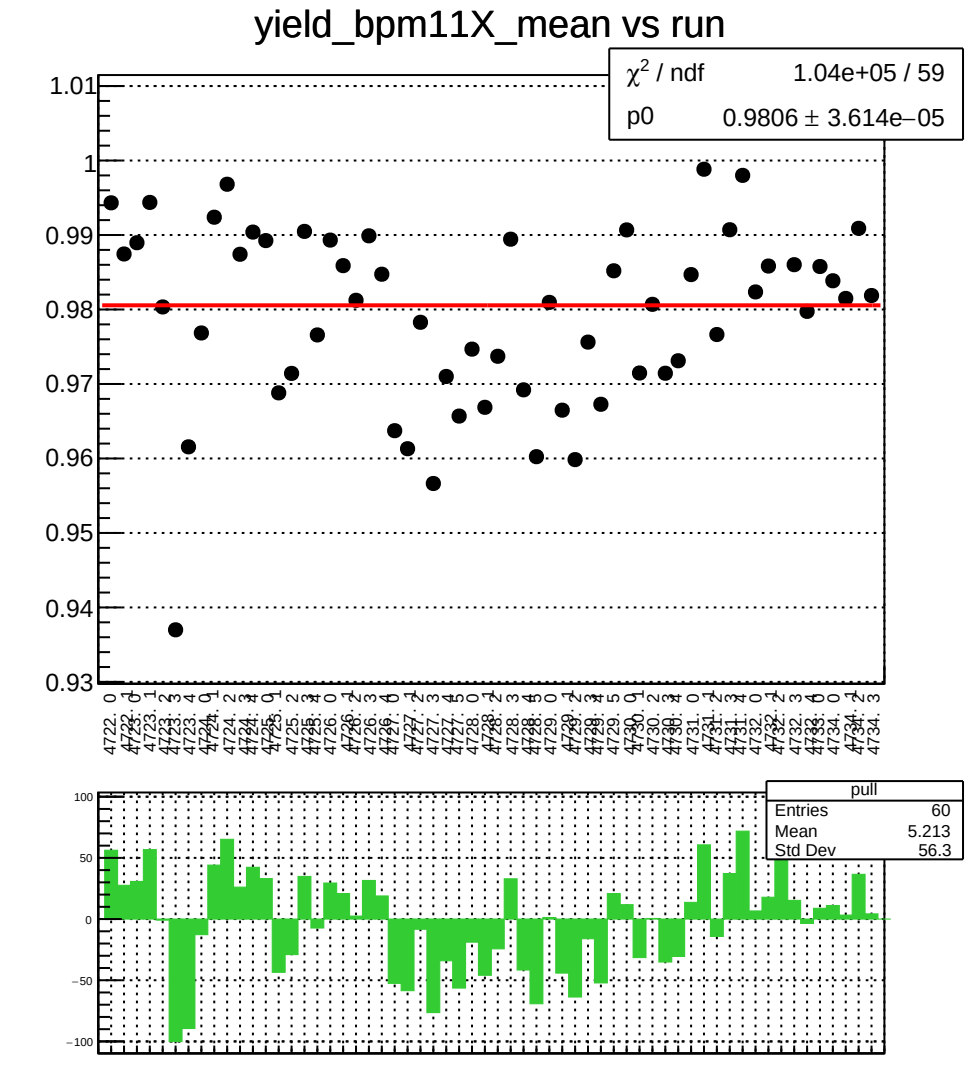

pull1D
Entries 60
Mean 2.037
Std Dev 4.043
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

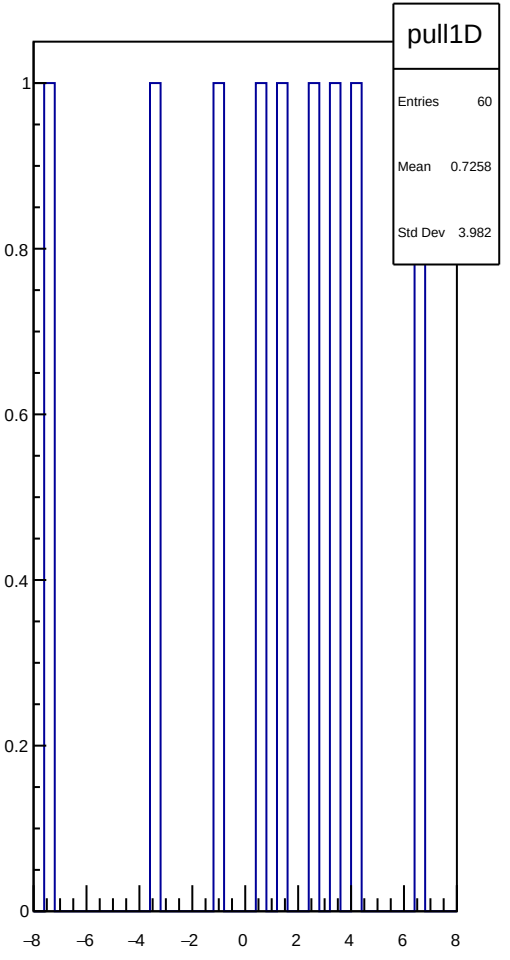

yield_bpm1X_rms vs run
χ² / ndf 1.033e+05 / 59
p0 0.1587 ± 0.0001556
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

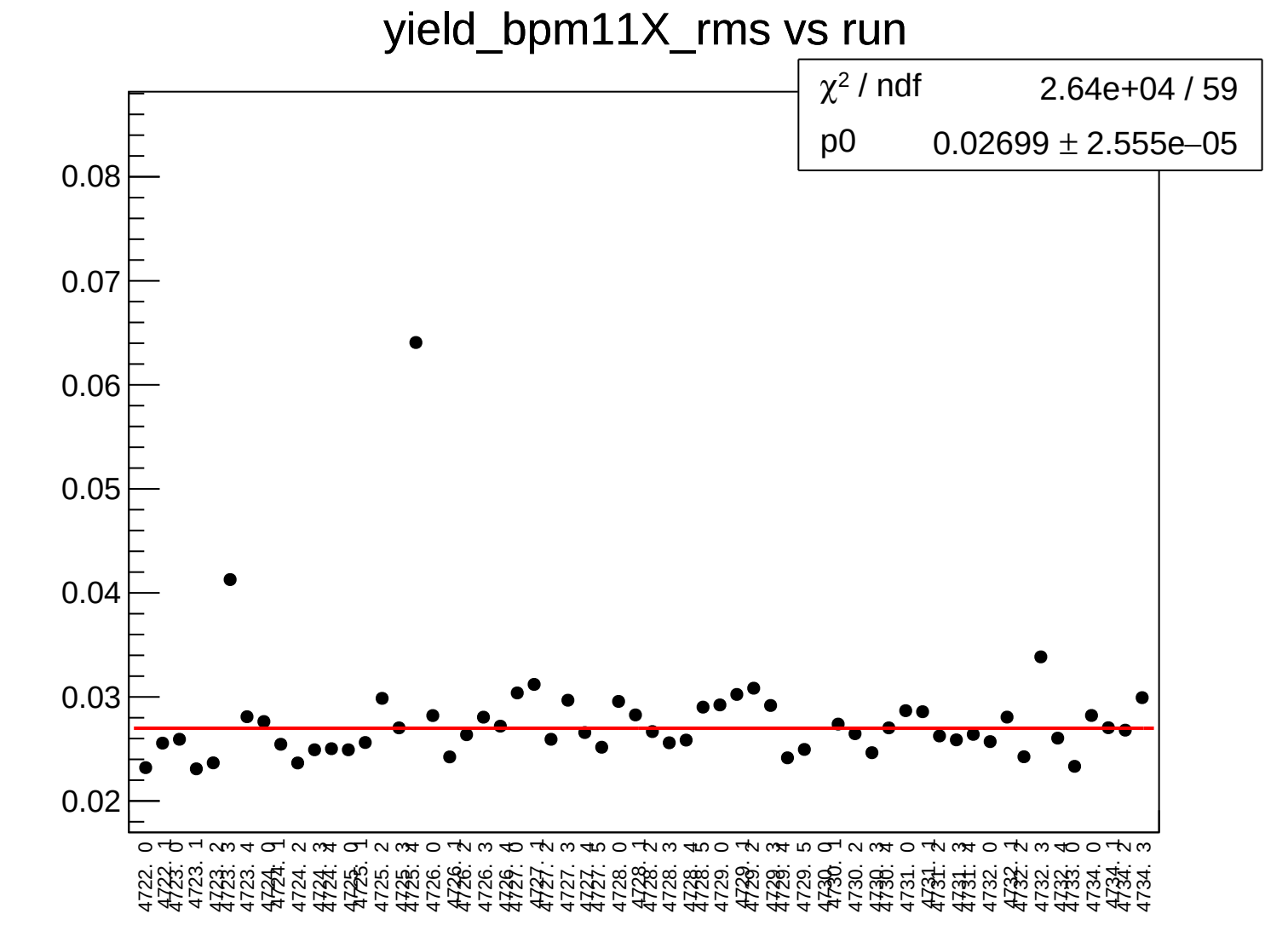

yield_bpm1Y_mean vs run
χ² / ndf 6.619e+05 / 59
p0 0.6685 ± 0.0001733
pull
Entries 60
Mean −81.47
Std Dev 113.4

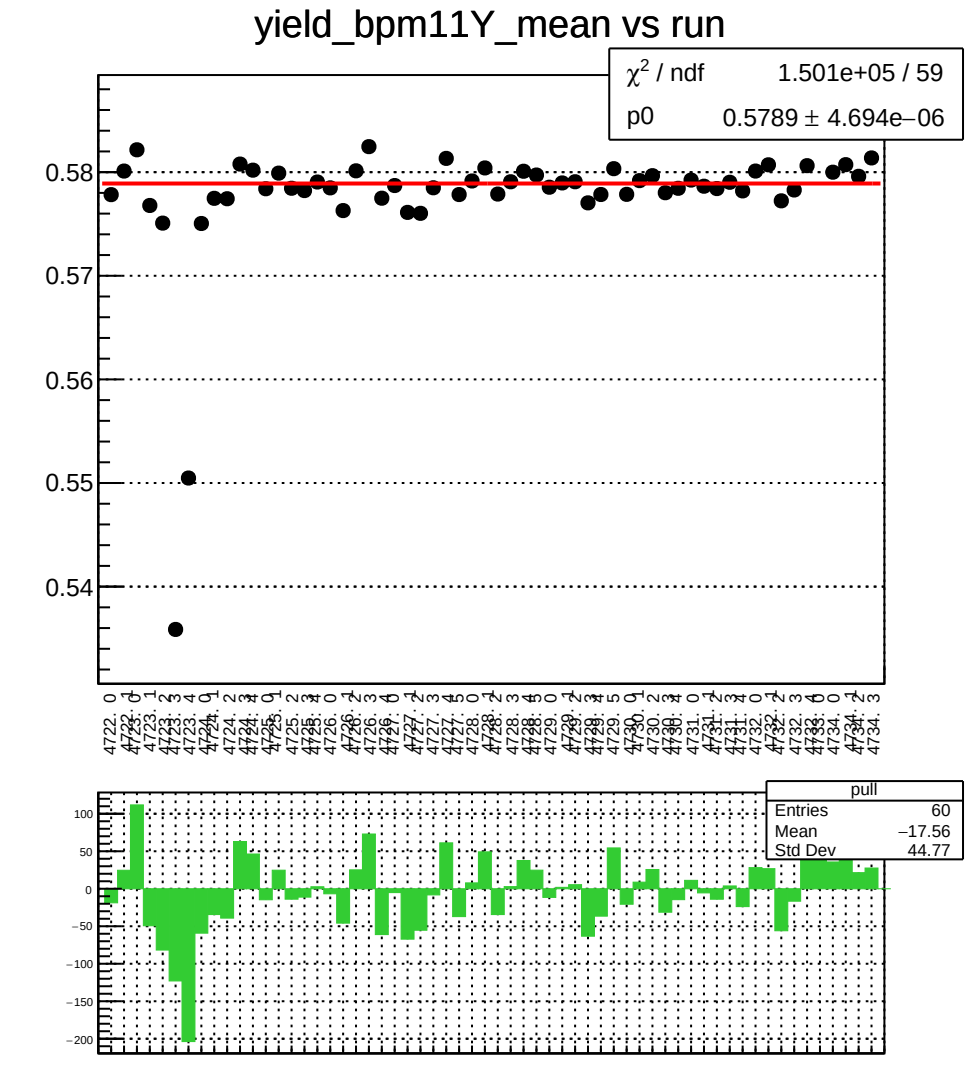

pull1D
Entries 60
Mean −0.9233
Std Dev 3.48

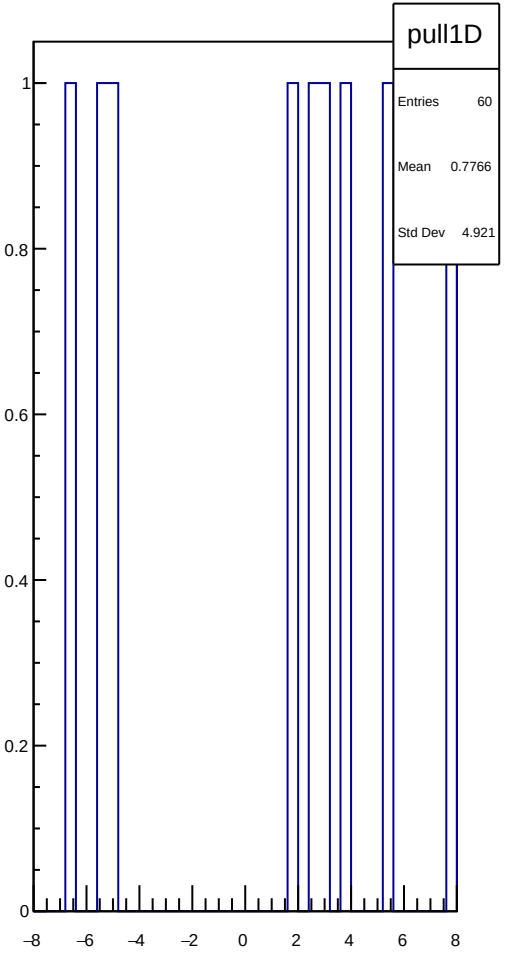

yield_bpm1Y_rms vs run
χ² / ndf 1.14e+05 / 59
p0 0.1242 ± 0.0001225
0.3
0.25
0.2
0.15
0.1
0.05

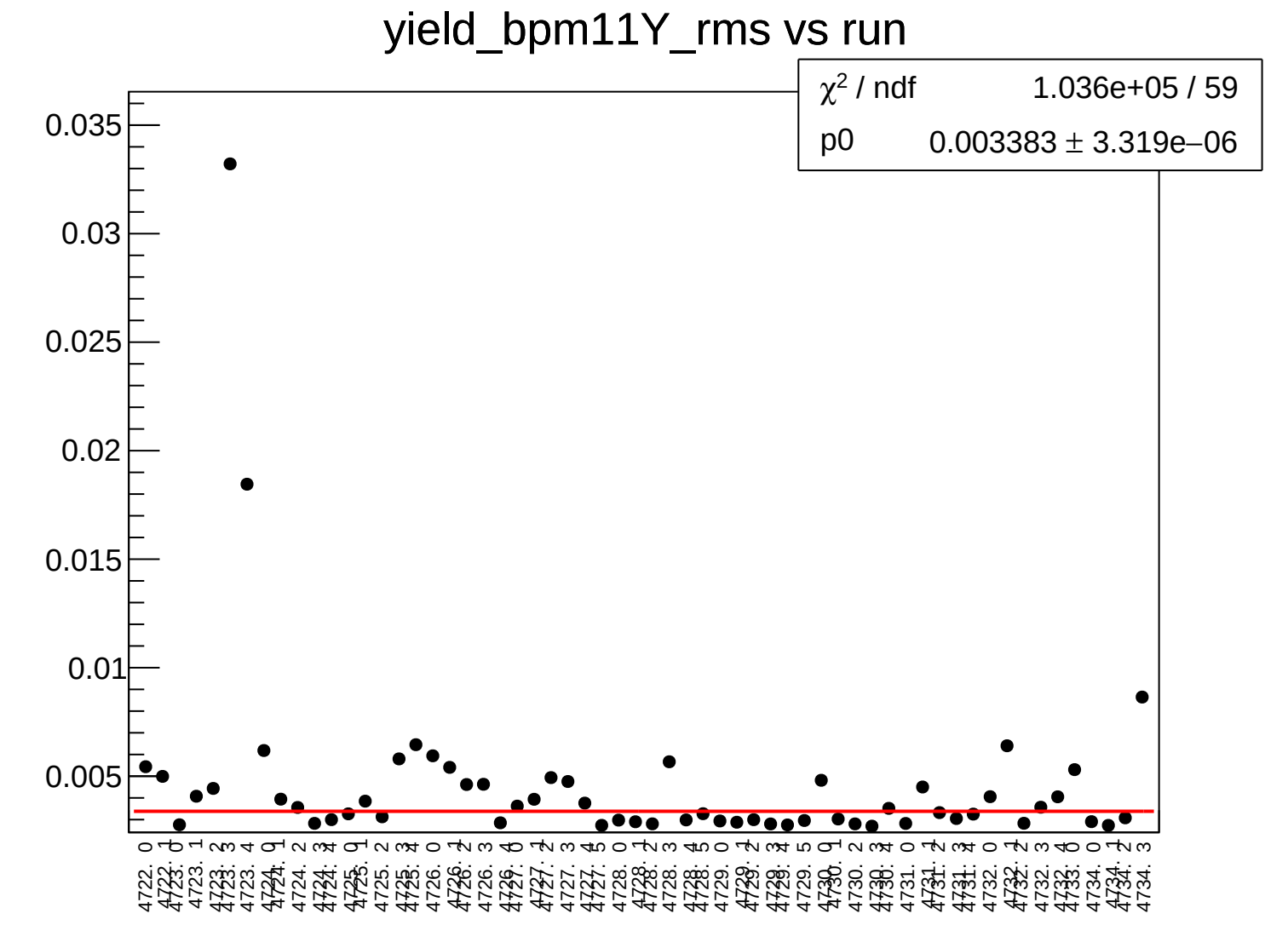

yield_bpm11X_mean vs run
χ² / ndf 1.04e+05 / 59
p0 0.9806 ± 3.614e−05
pull
Entries 60
Mean 5.213
Std Dev 56.3

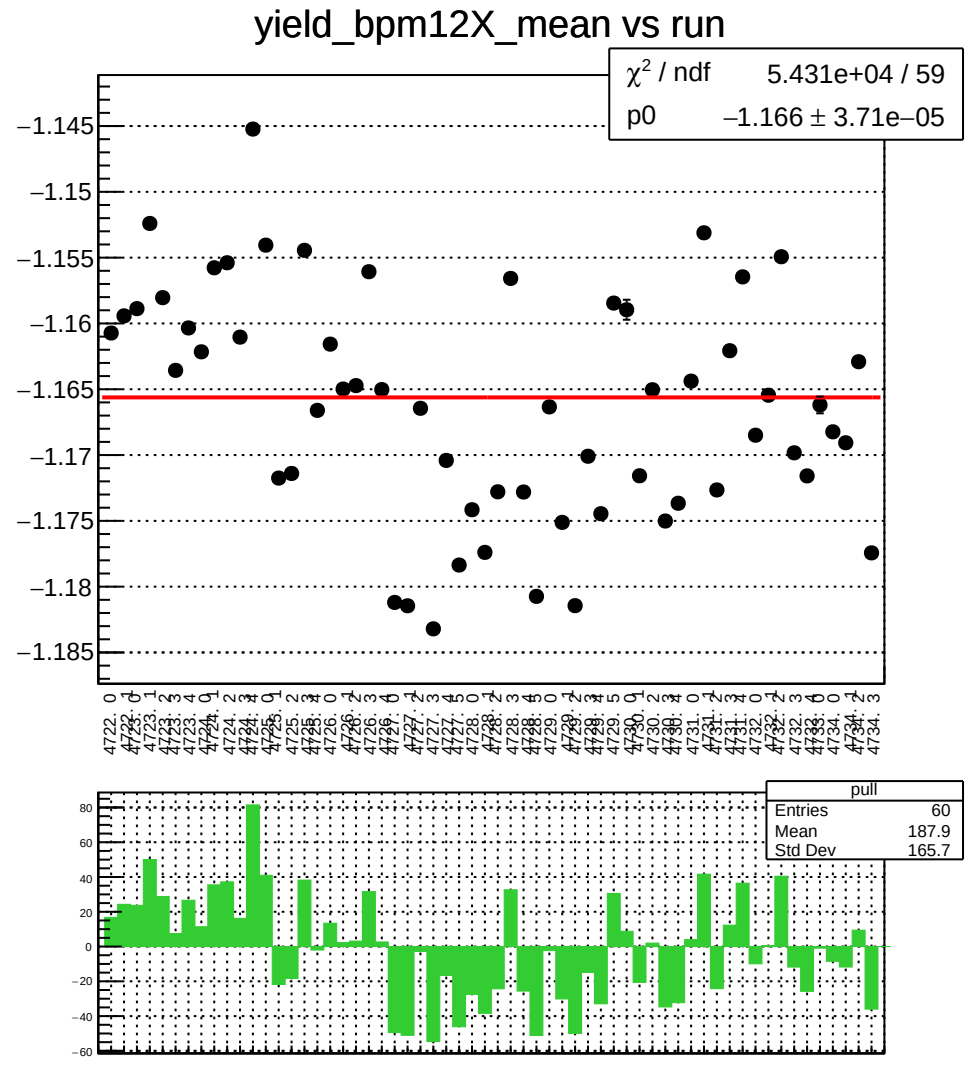

pull1D
Entries 60
Mean 0.7258
Std Dev 3.982

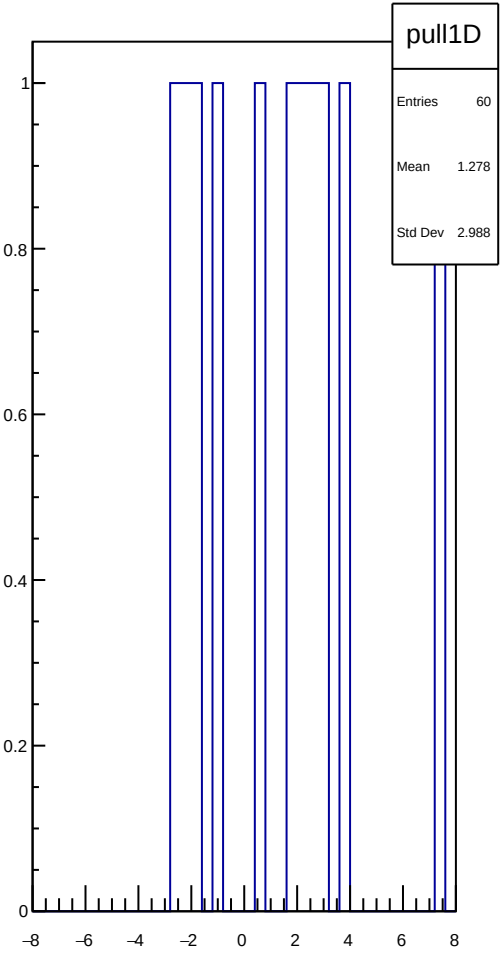

yield_bpm11X_rms vs run
χ² / ndf 2.64e+04 / 59
p0 0.02699 ± 2.555e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02

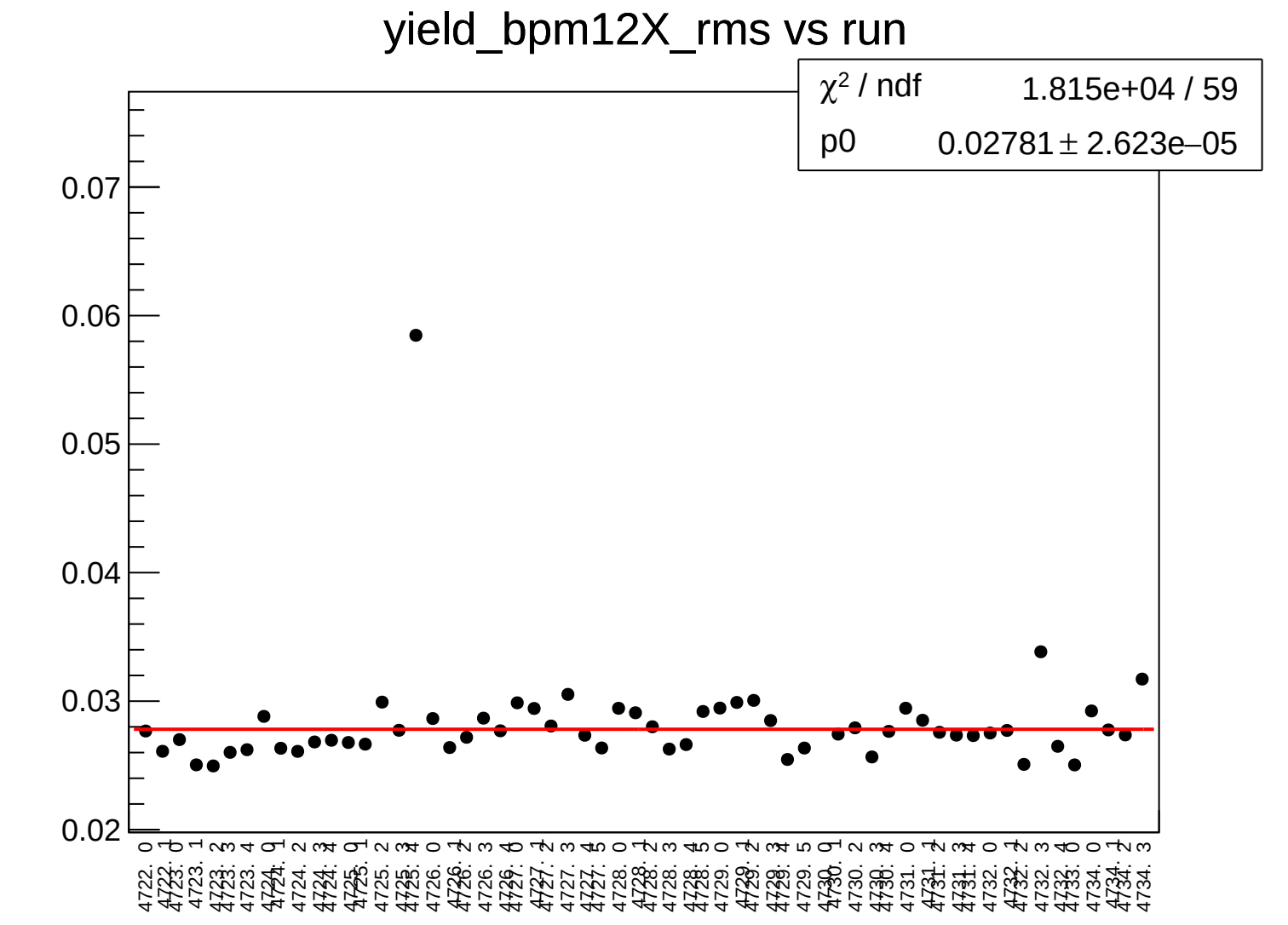

yield_bpm11Y_mean vs run
χ² / ndf 1.501e+05 / 59
p0 0.5789 ± 4.694e−06
0.58
0.57
0.56
0.55
0.54
pull
Entries 60
Mean −17.56
Std Dev 44.77
100
50
0
−50
−100
−150
−200

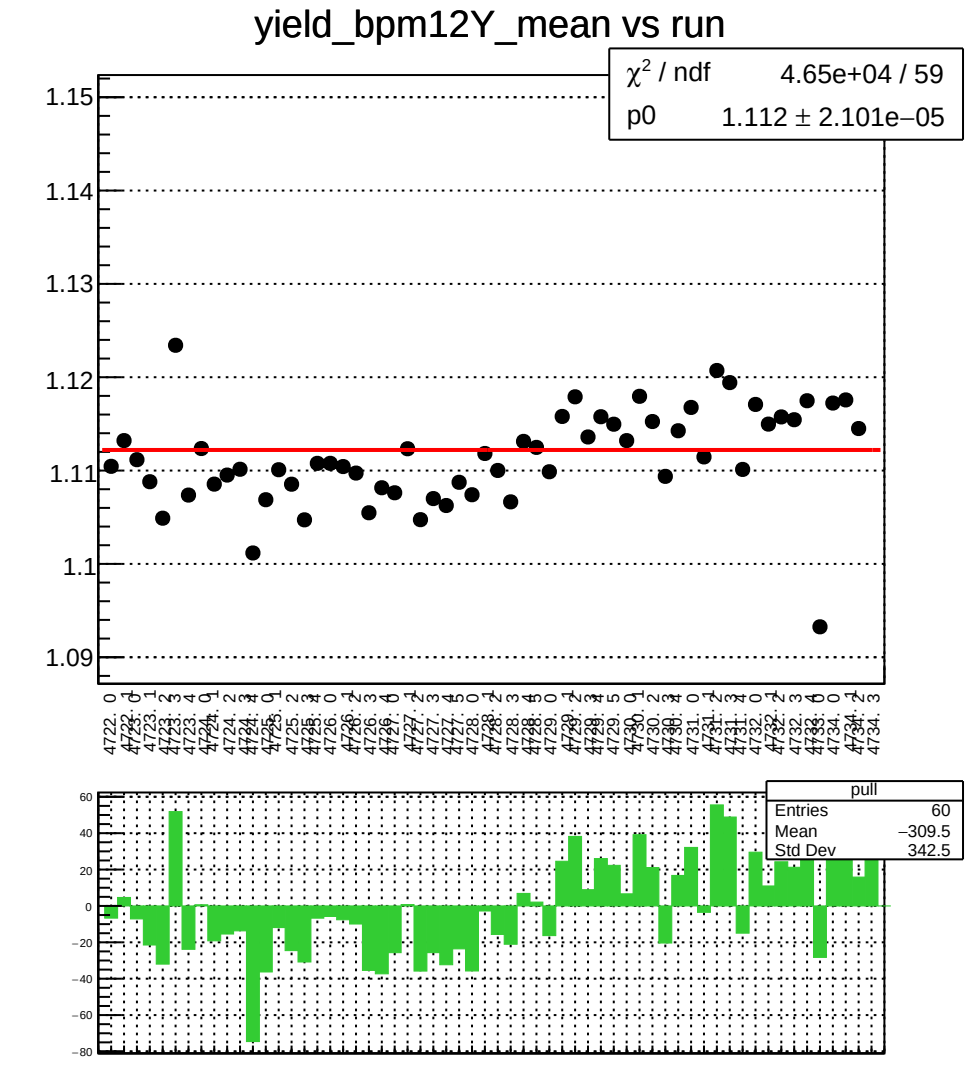

pull1D
Entries 60
Mean 0.7766
Std Dev 4.921
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

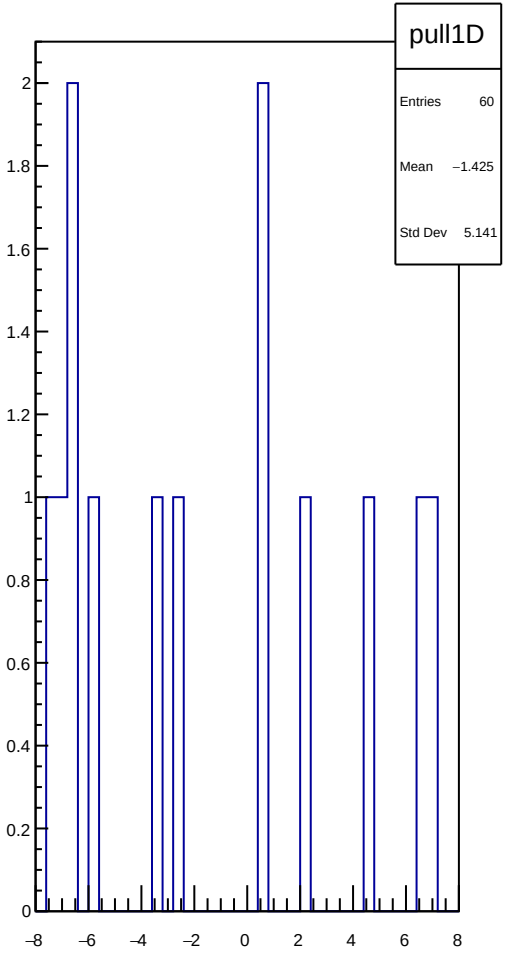

yield_bpm11Y_rms vs run
χ² / ndf 1.036e+05 / 59
p0 0.003383 ± 3.319e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

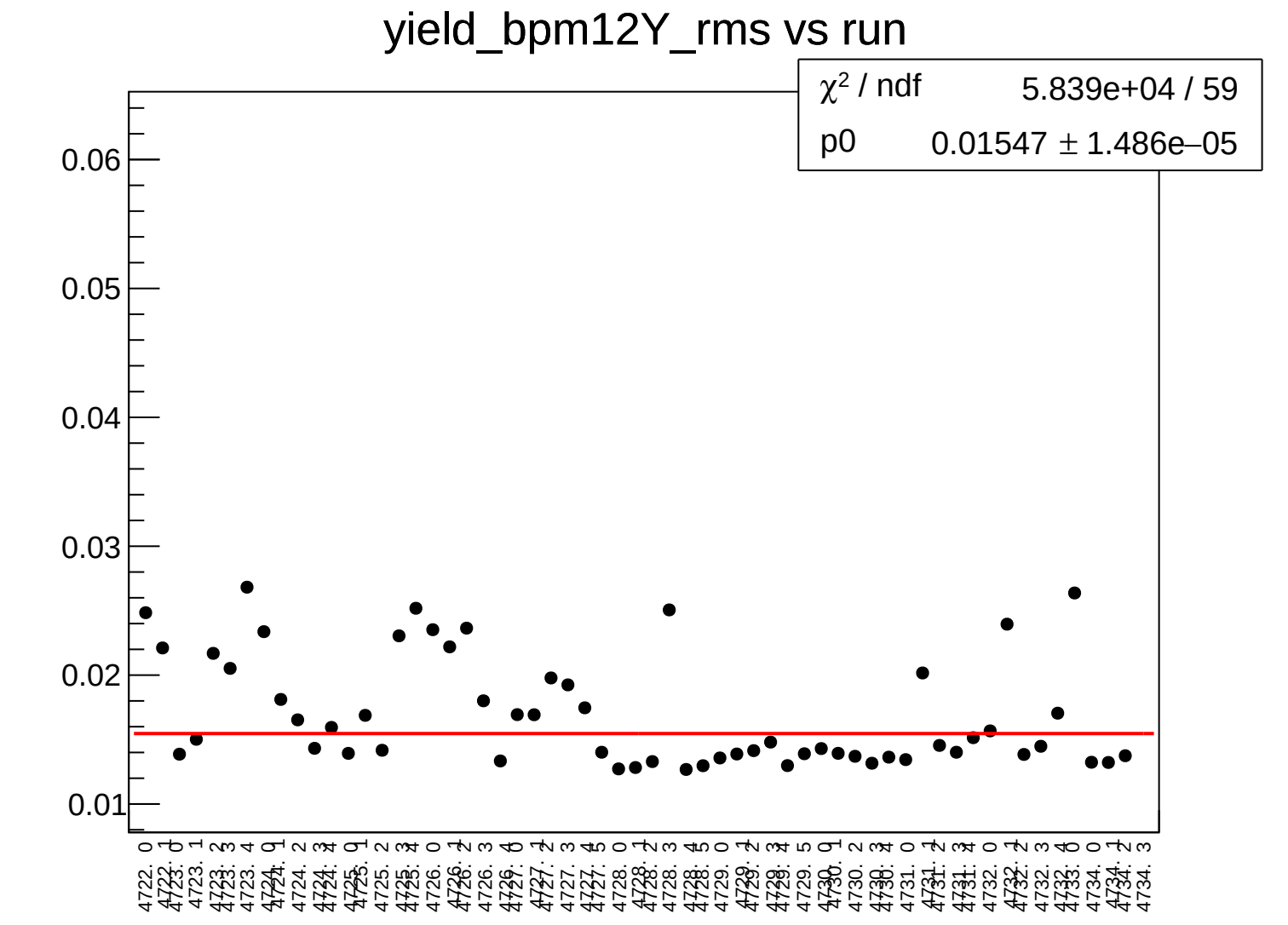

yield_bpm12X_mean vs run
χ² / ndf 5.431e+04 / 59
p0 −1.166 ± 3.71e−05
−1.145
−1.15
−1.155
−1.16
−1.165
−1.17
−1.175
−1.18
−1.185
pull
Entries 60
Mean 187.9
Std Dev 165.7
80
60
40
20
0
−20
−40
−60

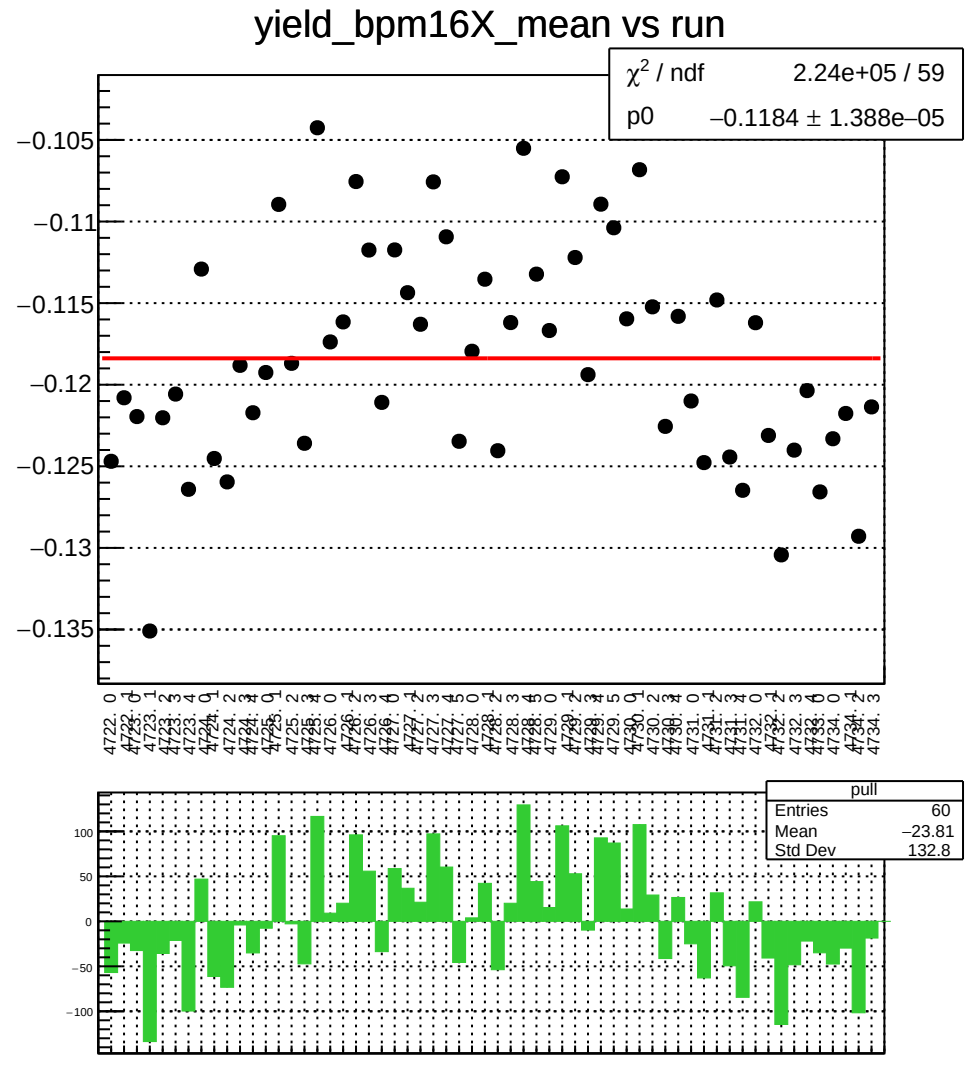

pull1D
Entries 60
Mean 1.278
Std Dev 2.988
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

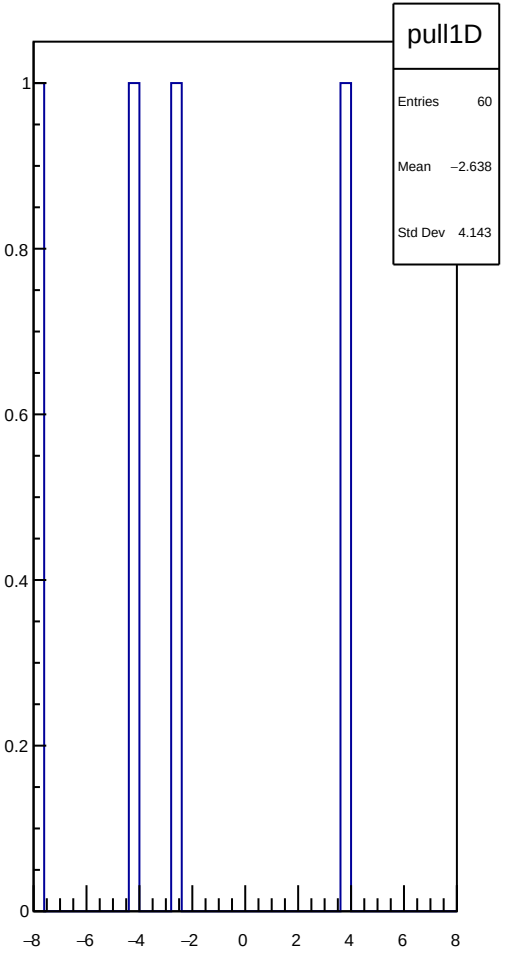

yield_bpm12X_rms vs run
χ² / ndf 1.815e+04 / 59
p0 0.02781 ± 2.623e–05
0.07
0.06
0.05
0.04
0.03
0.02

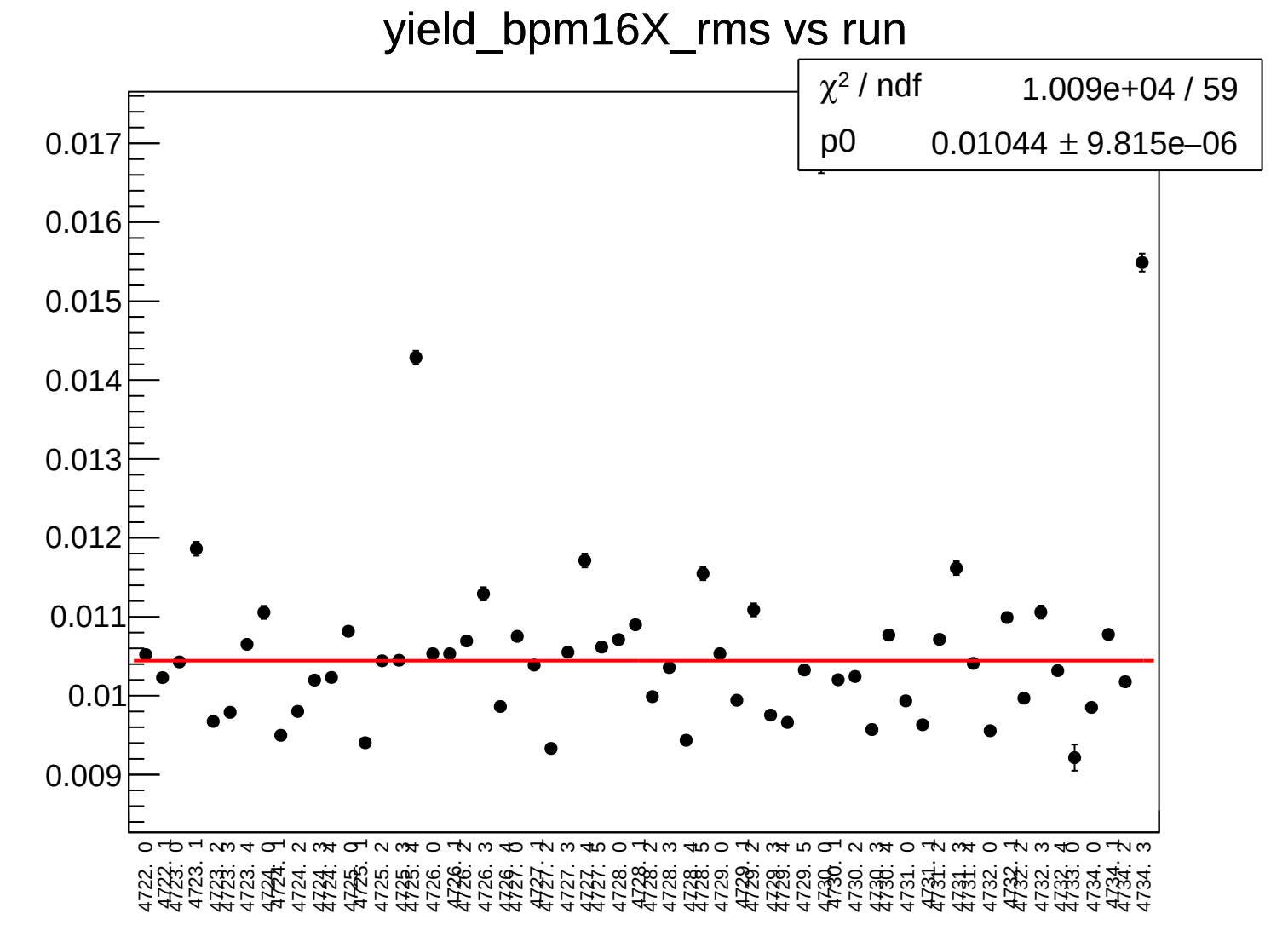

yield_bpm12Y_mean vs run
χ² / ndf 4.65e+04 / 59
p0 1.112 ± 2.101e−05
pull
Entries 60
Mean −309.5
Std Dev 342.5

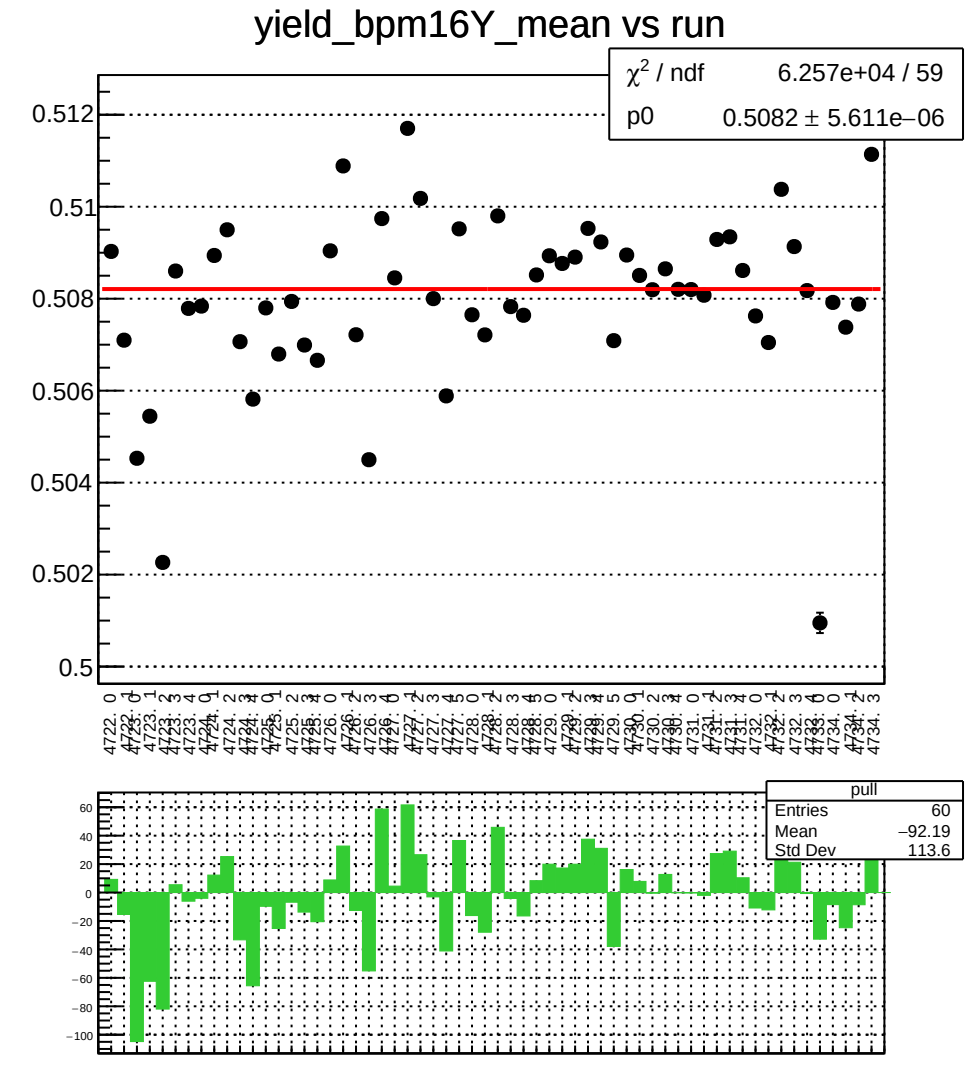

pull1D
Entries 60
Mean −1.425
Std Dev 5.141

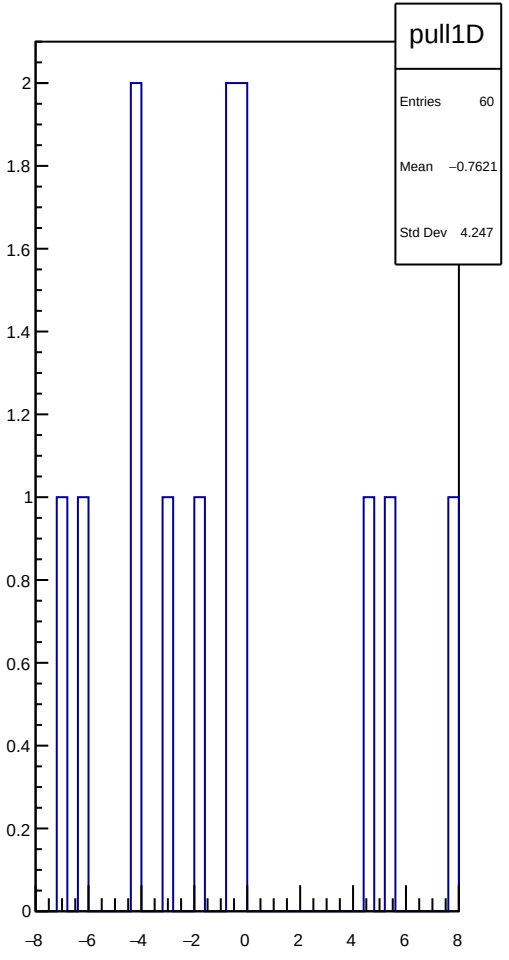

yield_bpm12Y_rms vs run
χ² / ndf 5.839e+04 / 59
p0 0.01547 ± 1.486e−05
0.06
0.05
0.04
0.03
0.02
0.01

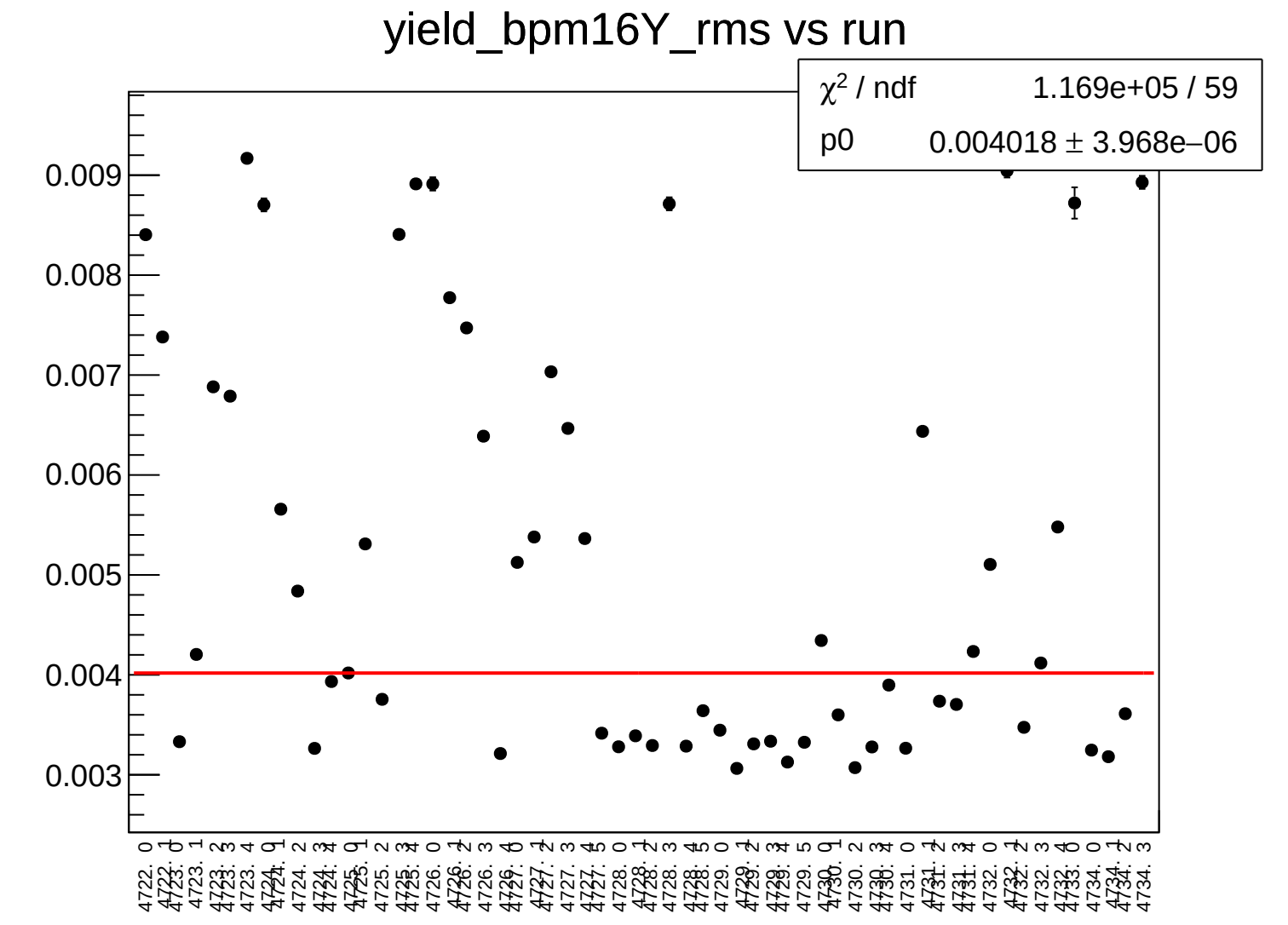

yield_bpm16X_mean vs run
χ² / ndf 2.24e+05 / 59
p0 −0.1184 ± 1.388e−05
−0.105
−0.11
−0.115
−0.12
−0.125
−0.13
−0.135
pull
Entries 60
Mean −23.81
Std Dev 132.8
100
50
0
−50
−100

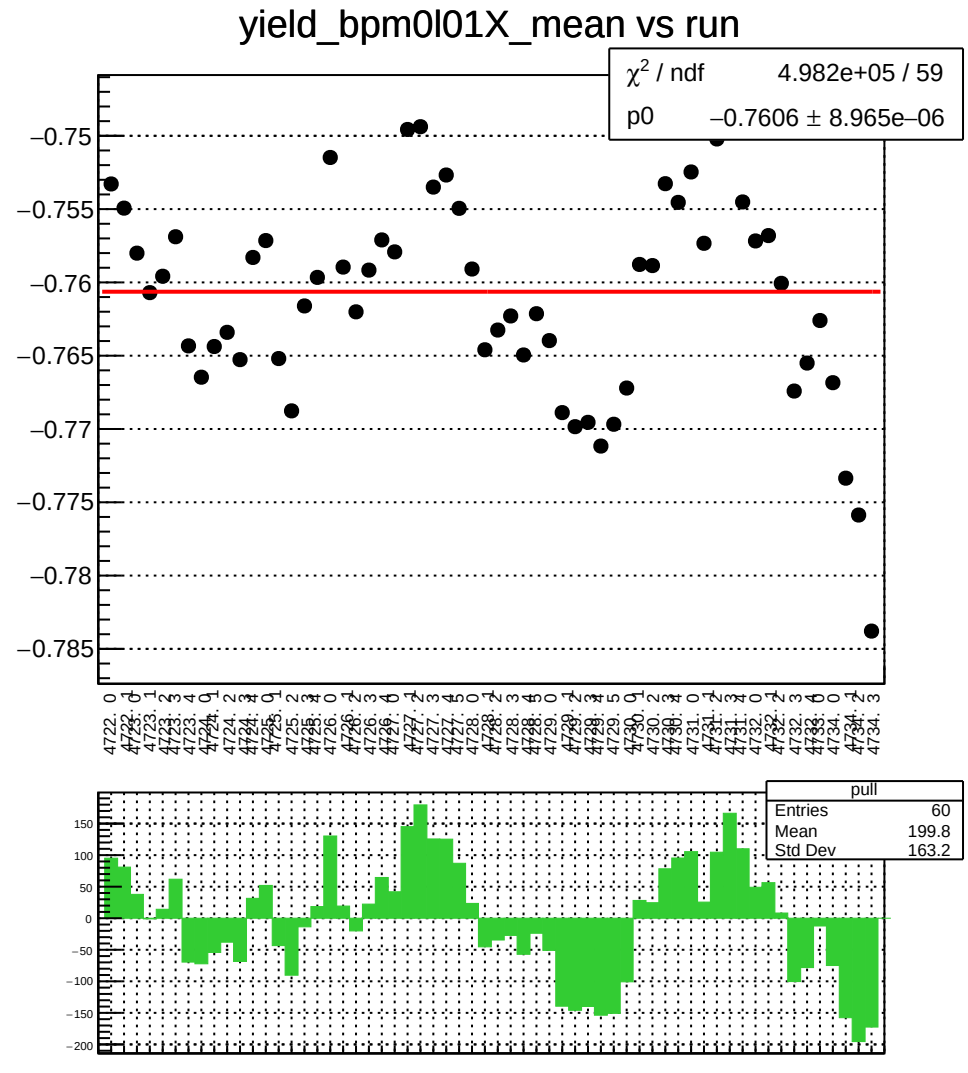

pull1D
Entries 60
Mean −2.638
Std Dev 4.143
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

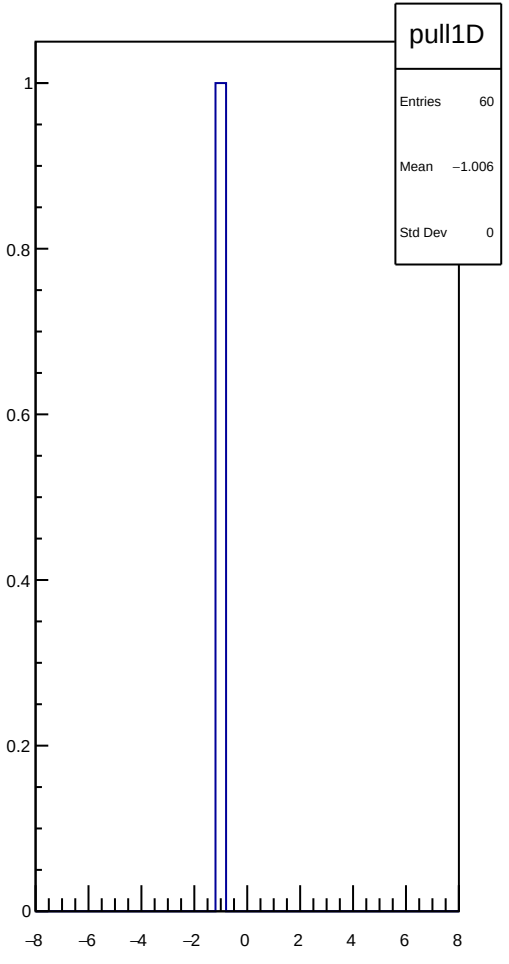

yield_bpm16X_rms vs run
χ² / ndf 1.009e+04 / 59
p0 0.01044 ± 9.815e–06
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009

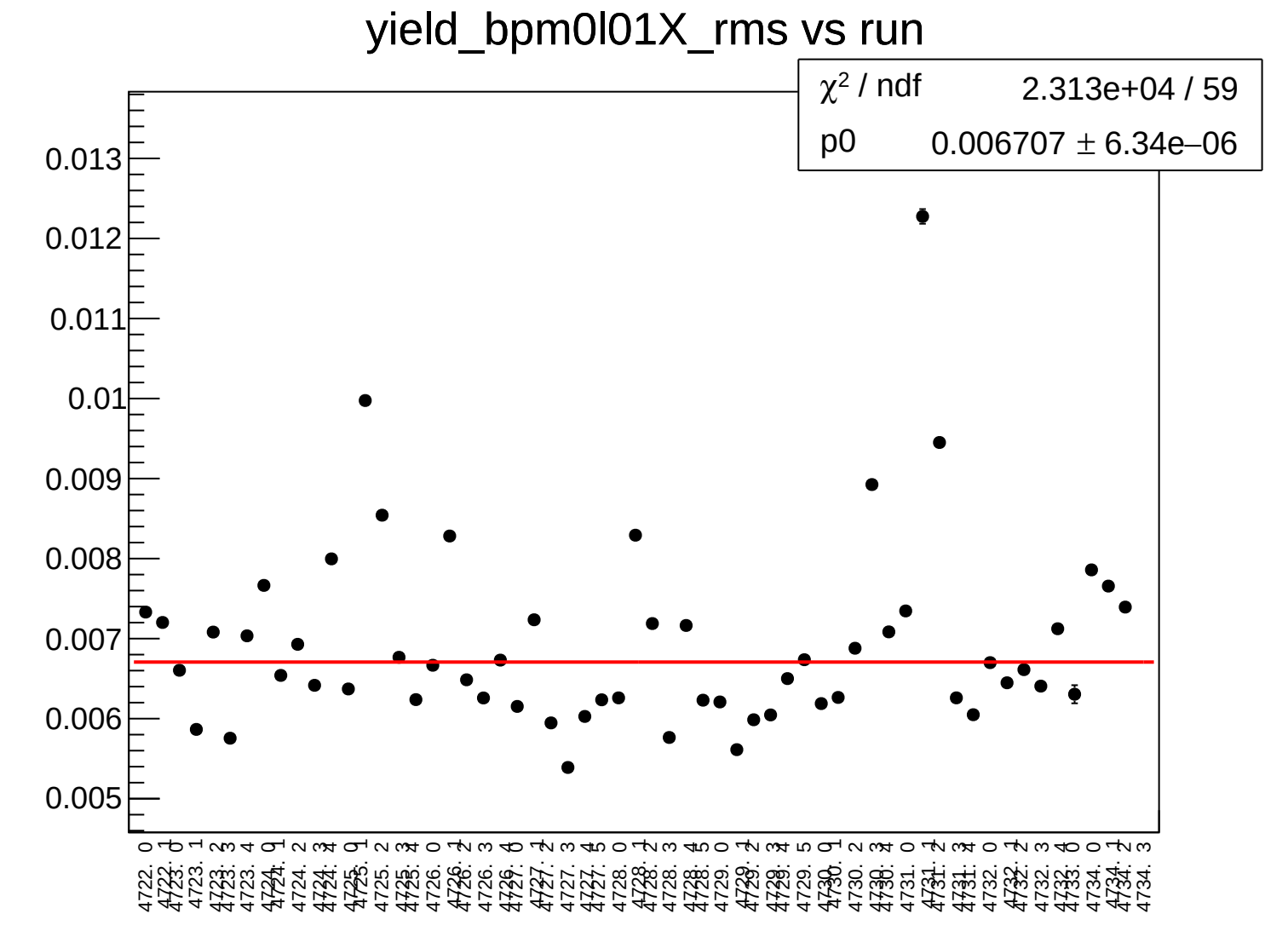

yield_bpm16Y_mean vs run
χ² / ndf 6.257e+04 / 59
p0 0.5082 ± 5.611e−06
0.512
0.51
0.508
0.506
0.504
0.502
0.5
pull
Entries 60
Mean −92.19
Std Dev 113.6
60
40
20
0
−20
−40
−60
−80
−100

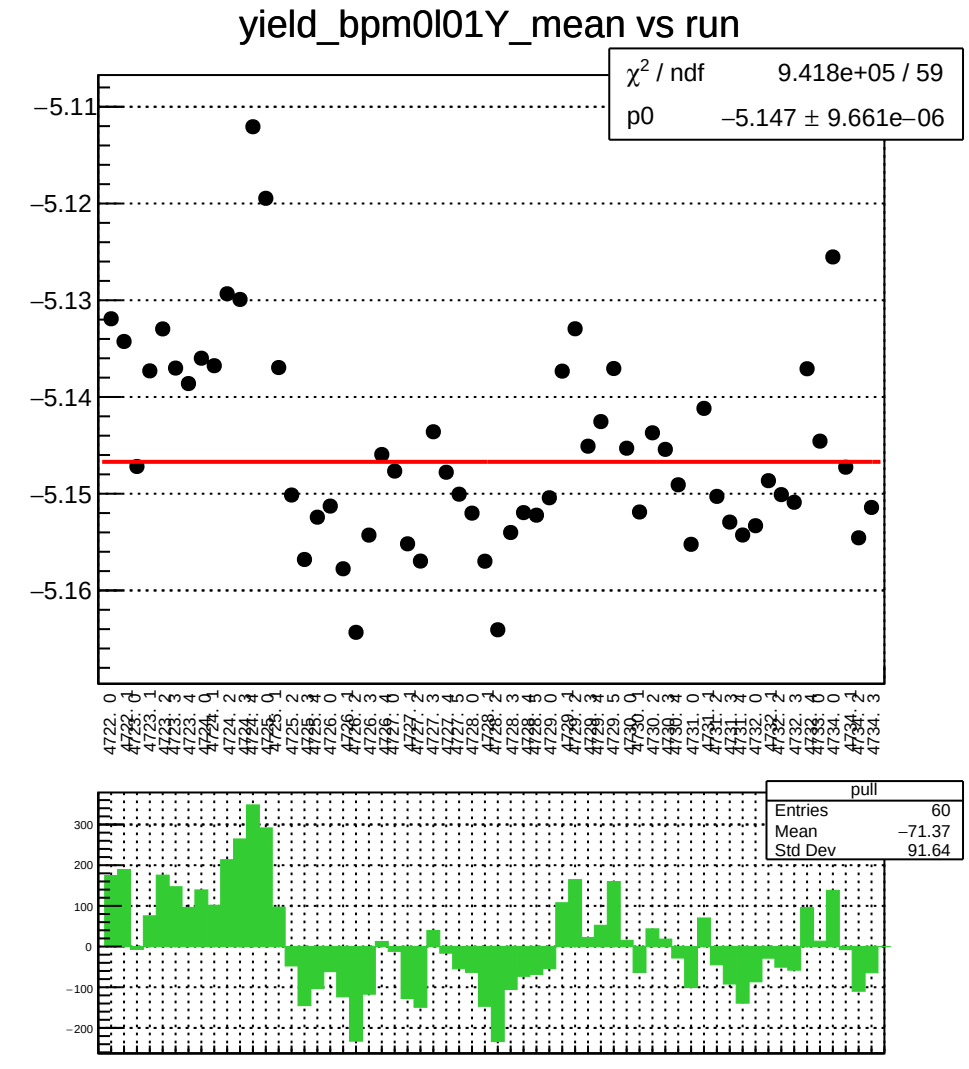

pull1D
Entries 60
Mean −0.7621
Std Dev 4.247
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

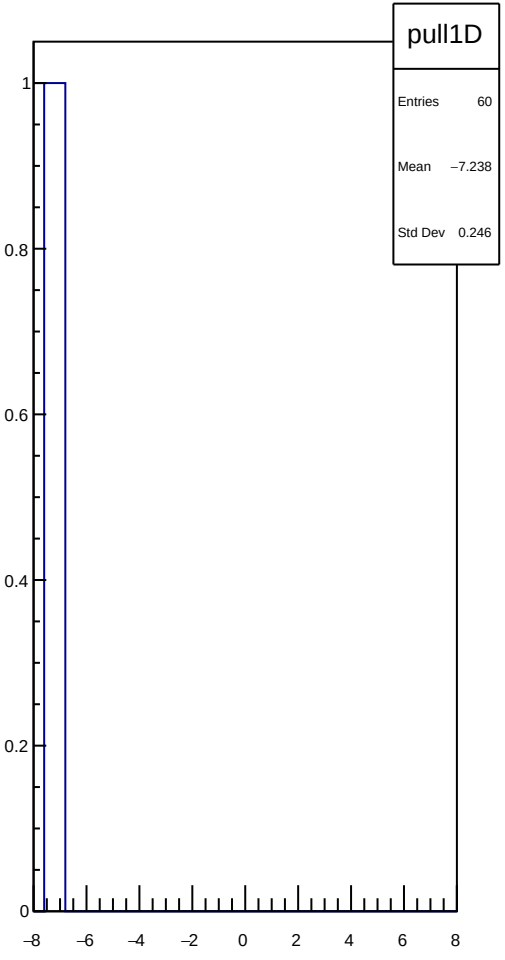

yield_bpm16Y_rms vs run
χ² / ndf 1.169e+05 / 59
p0 0.004018 ± 3.968e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

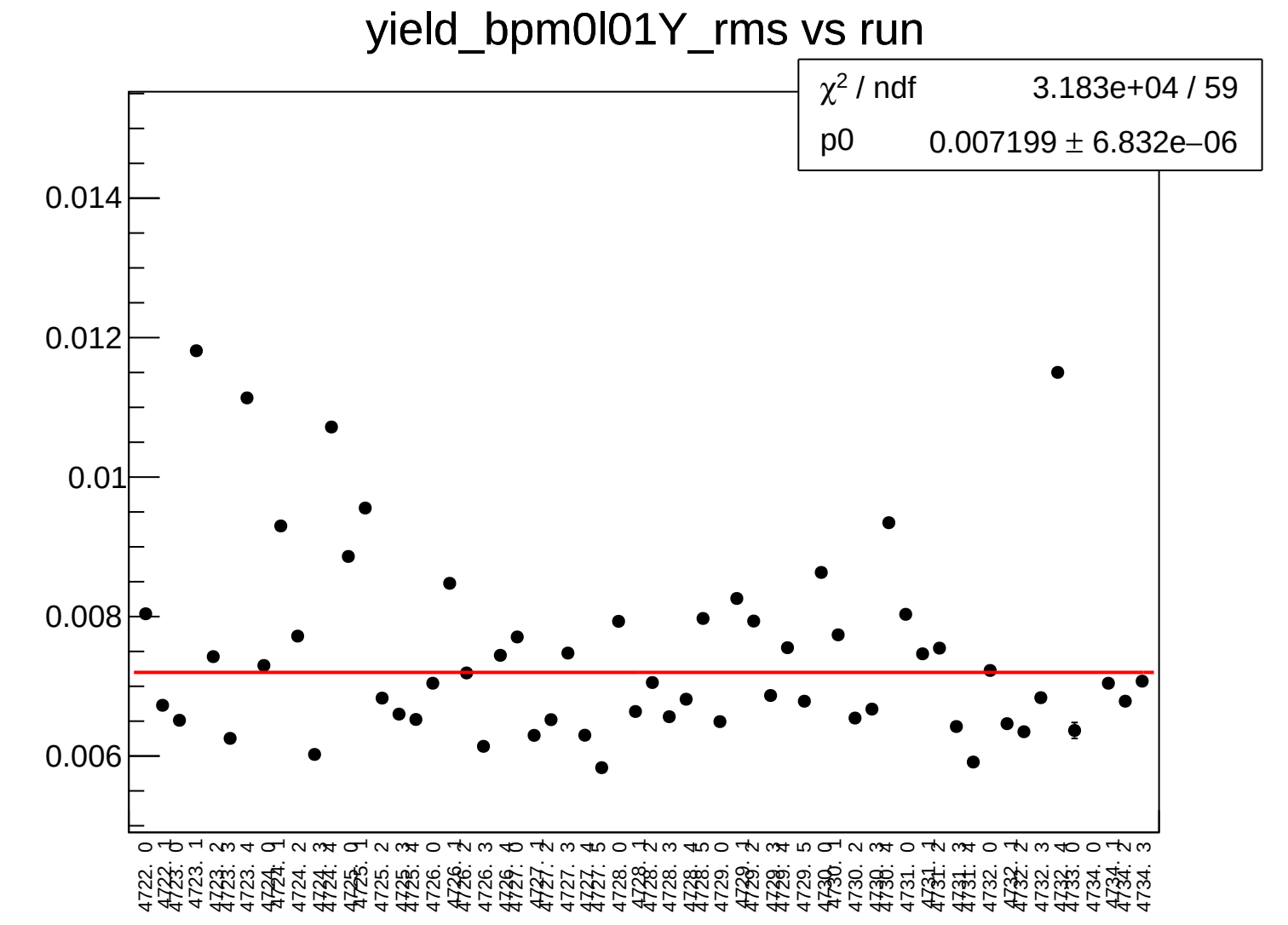

yield_bpm0l01X_mean vs run
χ² / ndf 4.982e+05 / 59
p0 −0.7606 ± 8.965e−06
−0.75
−0.755
−0.76
−0.765
−0.77
−0.775
−0.78
−0.785
pull
Entries 60
Mean 199.8
Std Dev 163.2
150
100
50
0
−50
−100
−150
−200

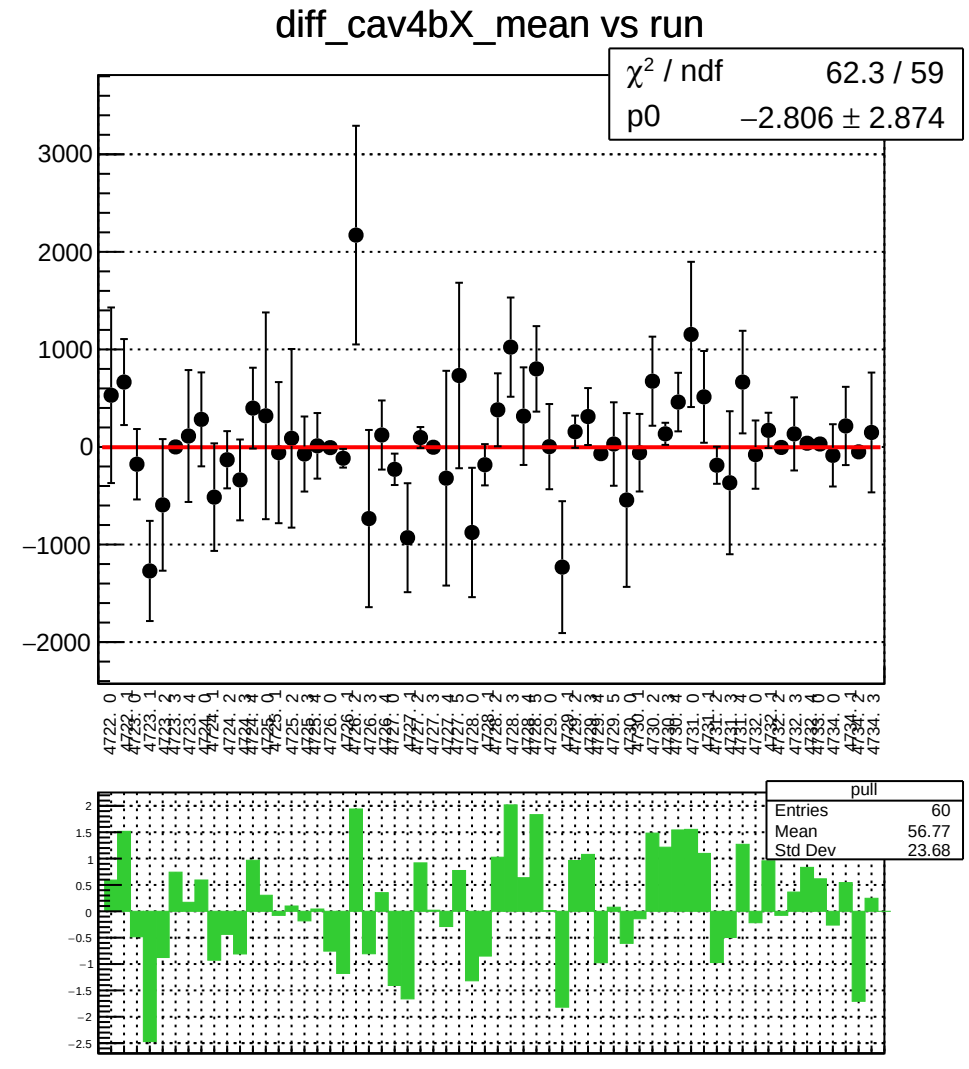

pull1D
Entries 60
Mean −1.006
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

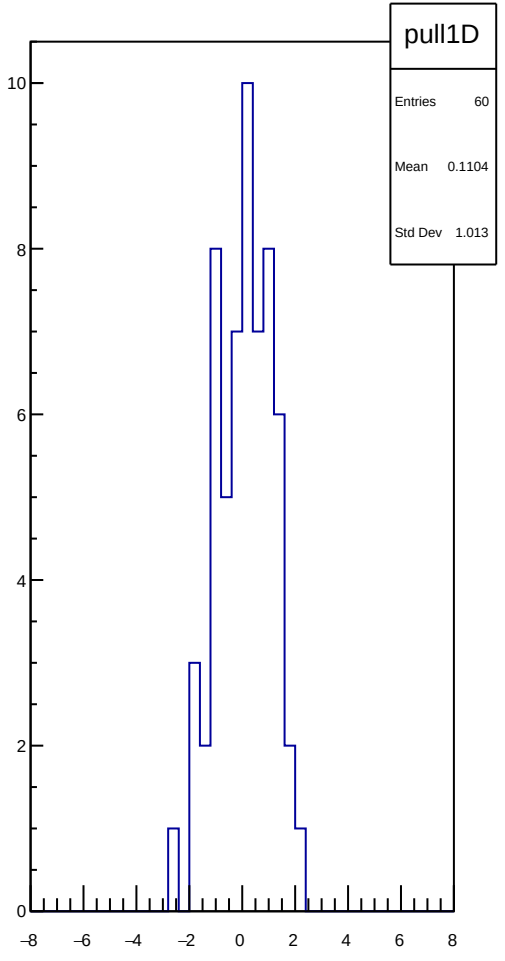

yield_bpm0l01X_rms vs run
χ² / ndf 2.313e+04 / 59
p0 0.006707 ± 6.34e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

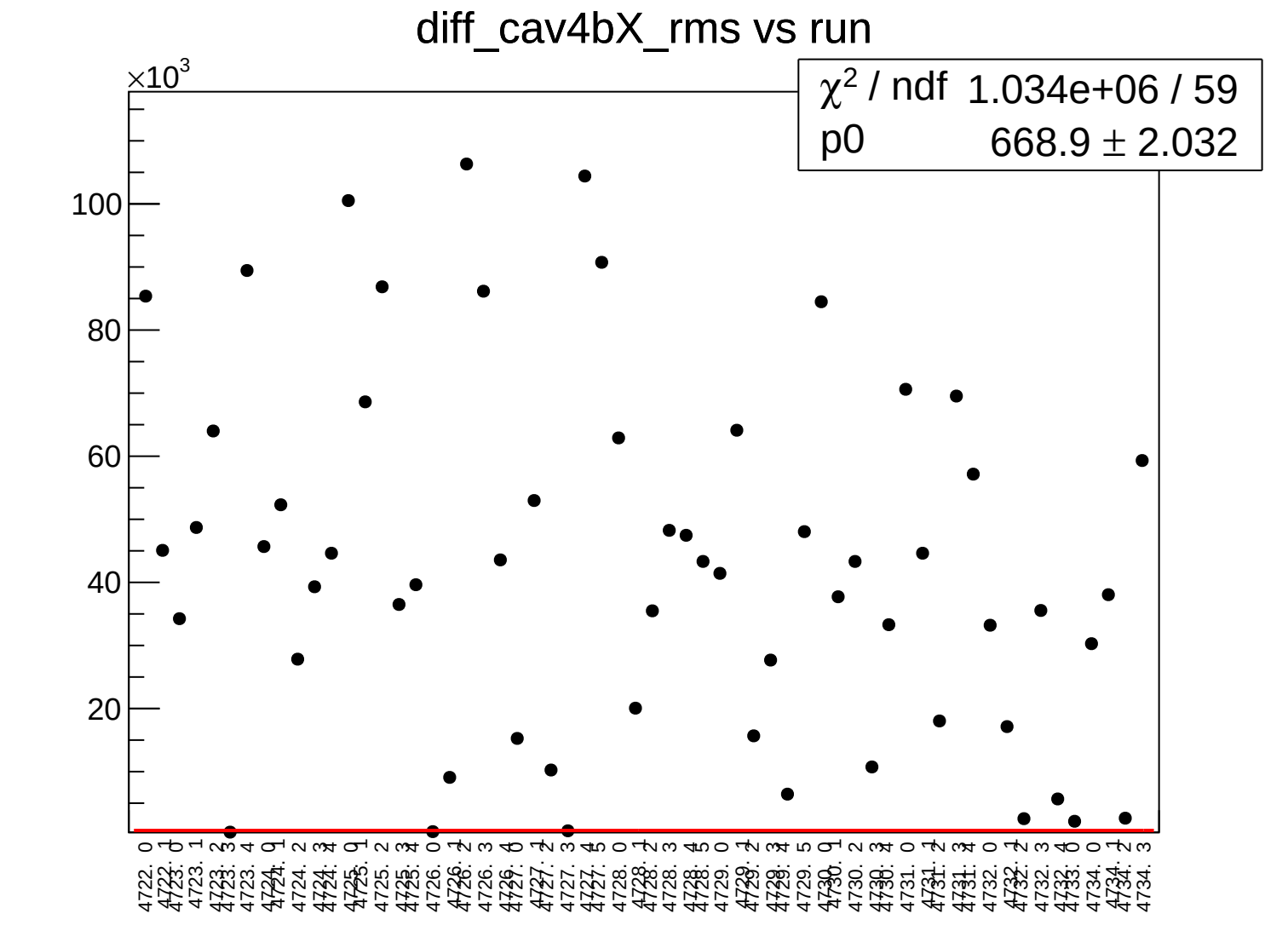

yield_bpm0l01Y_mean vs run
χ² / ndf 9.418e+05 / 59
p0 −5.147 ± 9.661e−06
−5.11
−5.12
−5.13
−5.14
−5.15
−5.16
pull
Entries 60
Mean −71.37
Std Dev 91.64
300
200
100
0
−100
−200

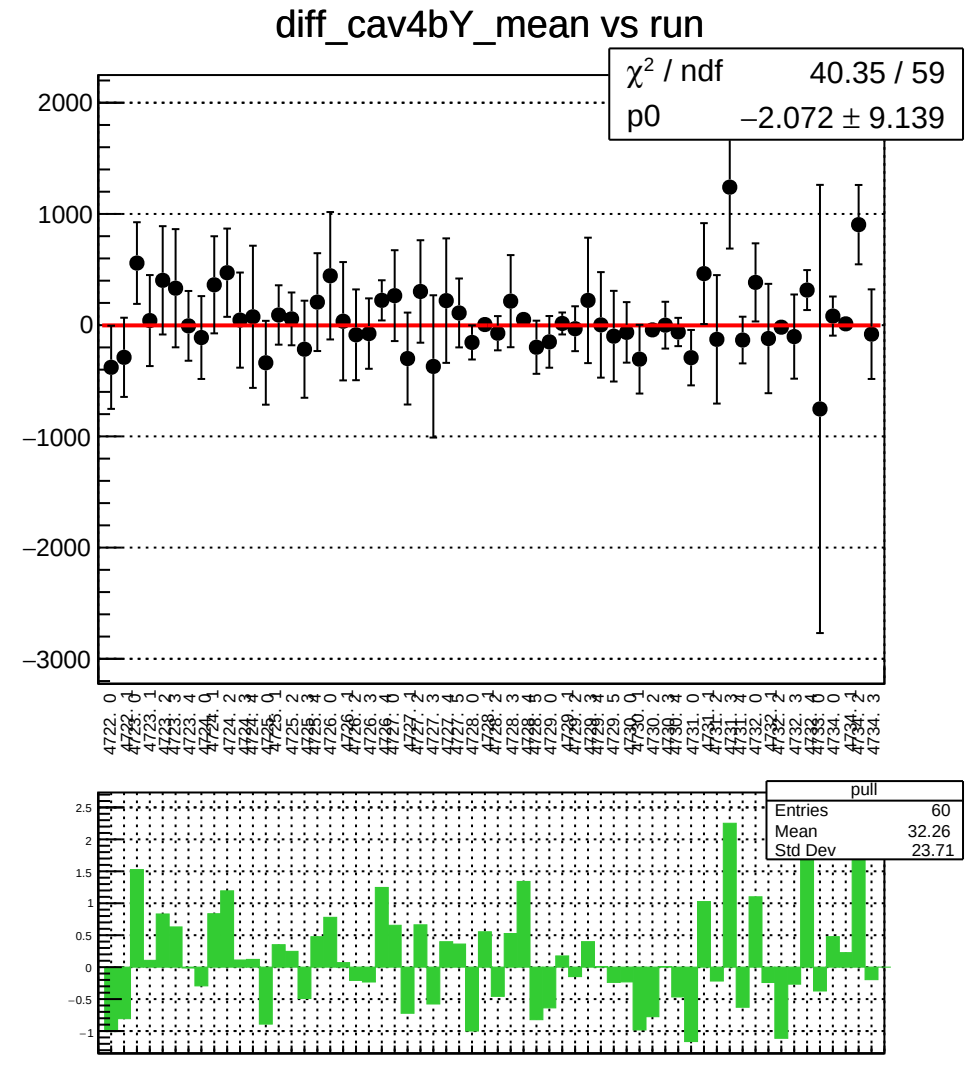

pull1D
Entries 60
Mean −7.238
Std Dev 0.246
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

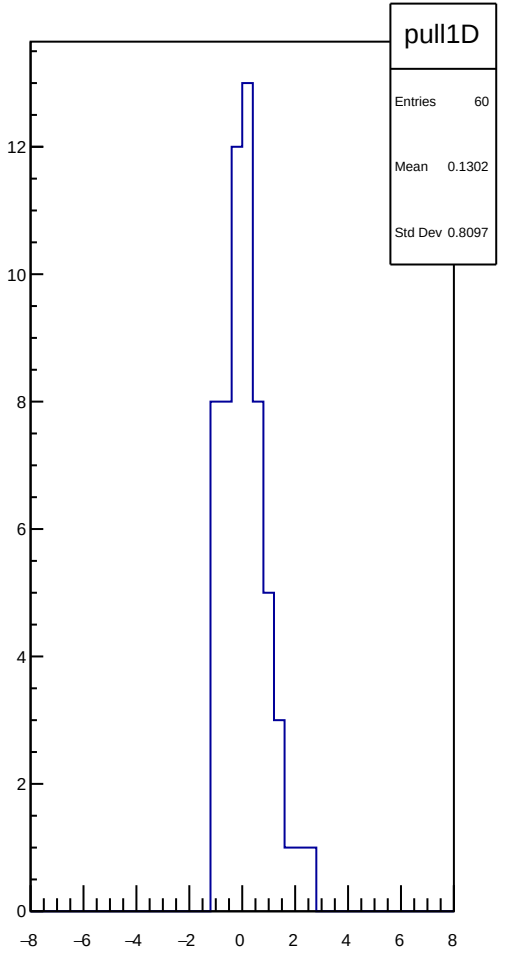

yield_bpm0l01Y_rms vs run
χ² / ndf 3.183e+04 / 59
p0 0.007199 ± 6.832e−06
0.014
0.012
0.01
0.008
0.006

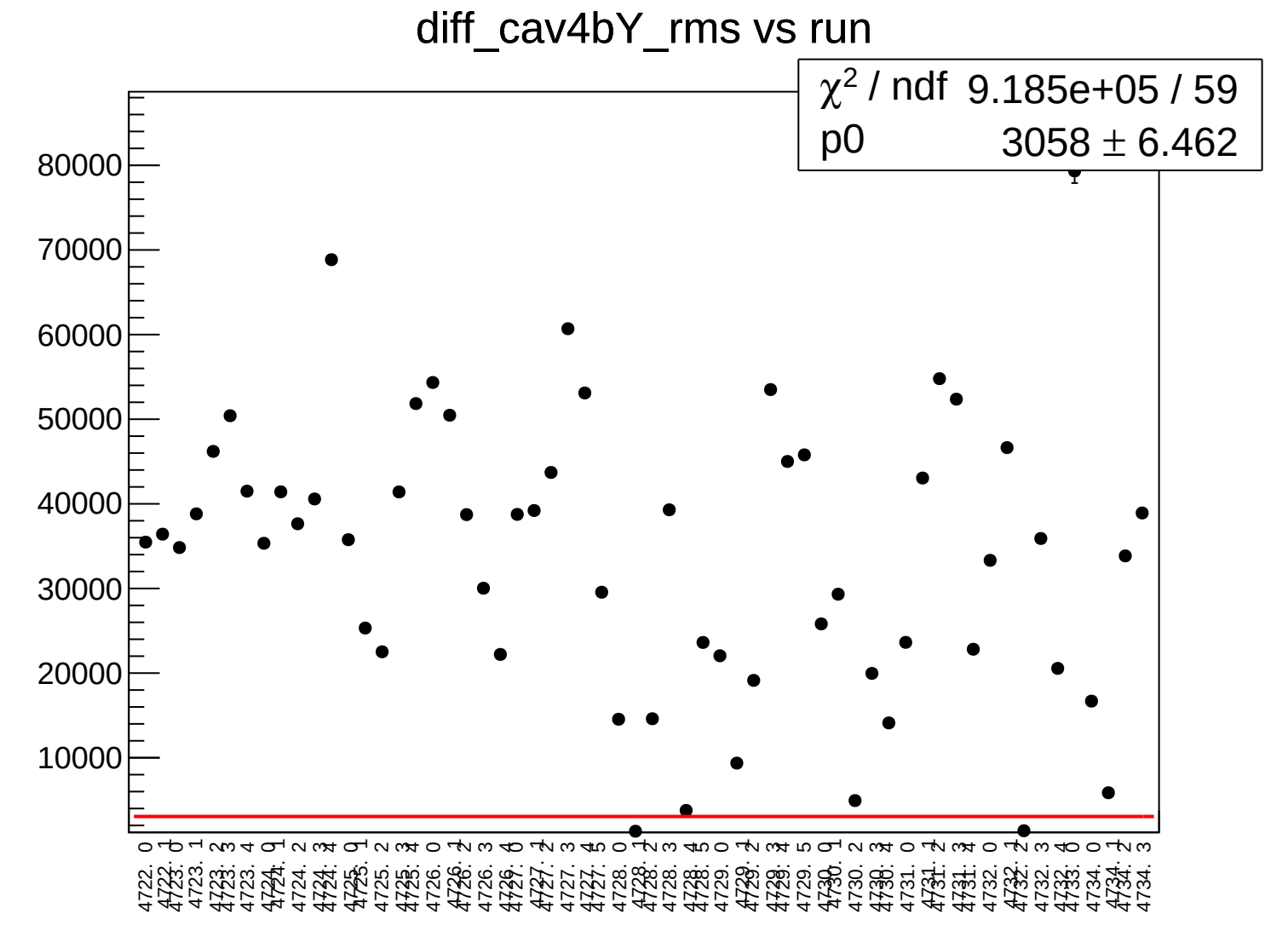

diff_cav4bX_mean vs run
χ² / ndf 62.3 / 59
p0 −2.806 ± 2.874
pull
Entries 60
Mean 56.77
Std Dev 23.68

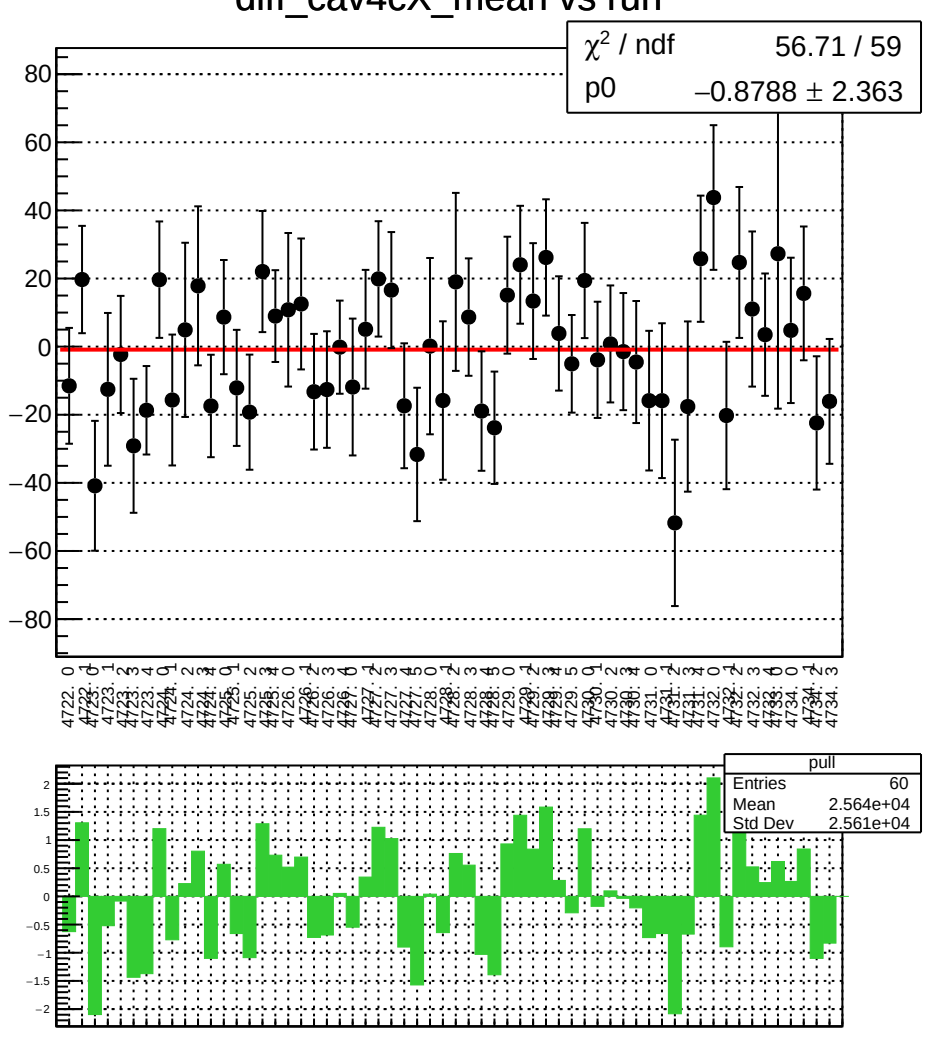

pull1D
Entries 60
Mean 0.1104
Std Dev 1.013

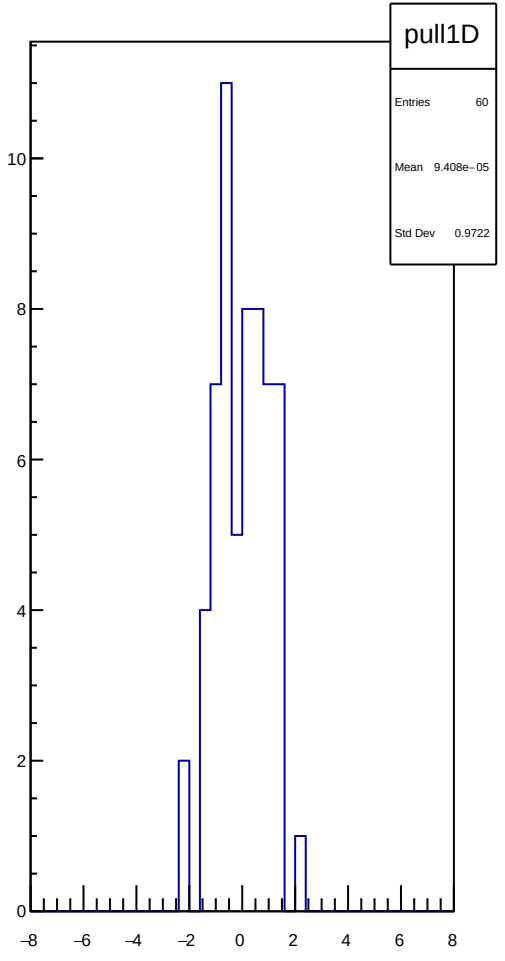

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 1.034e+06 / 59
p0 668.9 ± 2.032
100
80
60
40
20
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

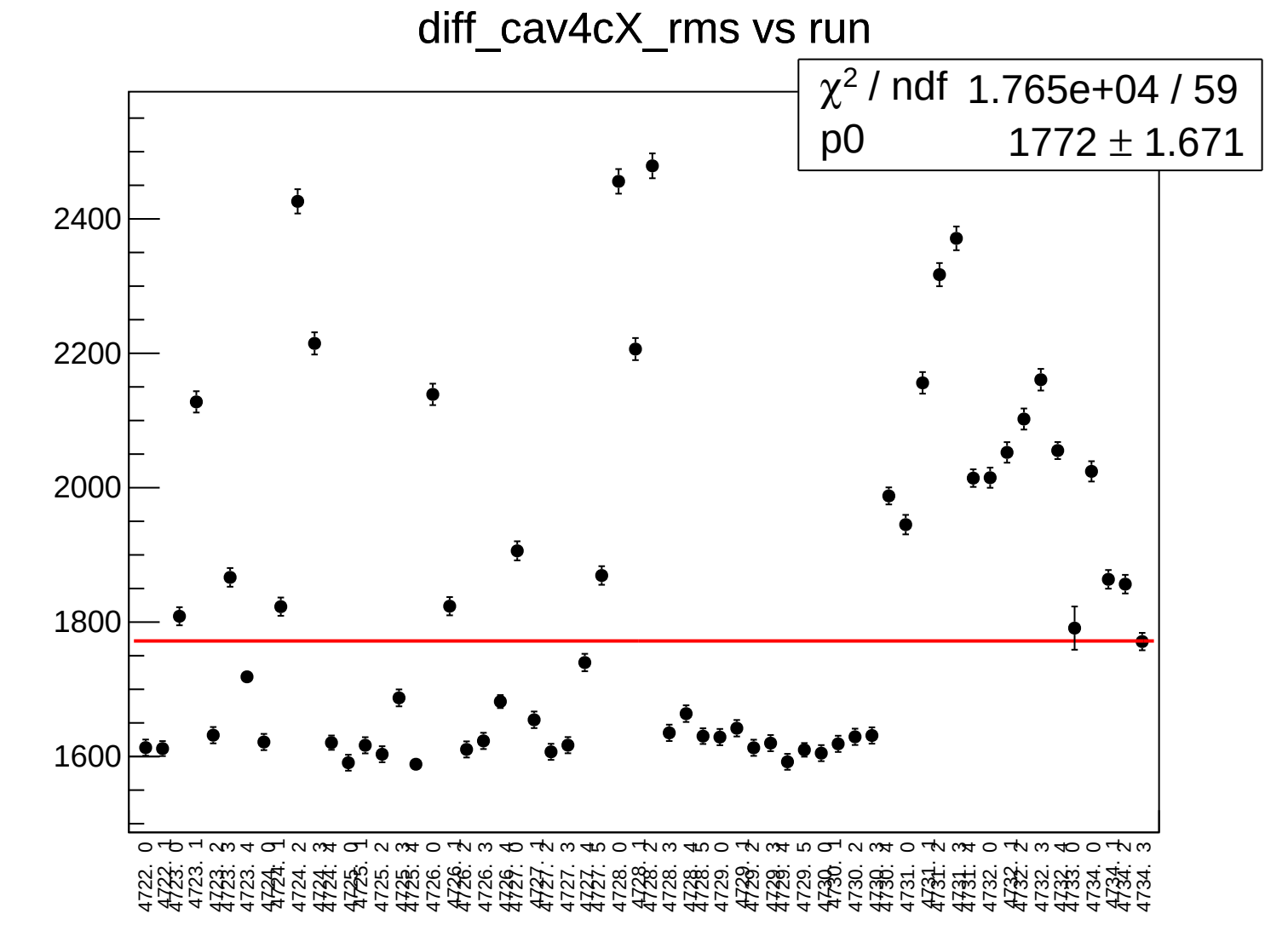

diff_cav4bY_mean vs run
χ² / ndf 40.35 / 59
p0 −2.072 ± 9.139
pull
Entries 60
Mean 32.26
Std Dev 23.71

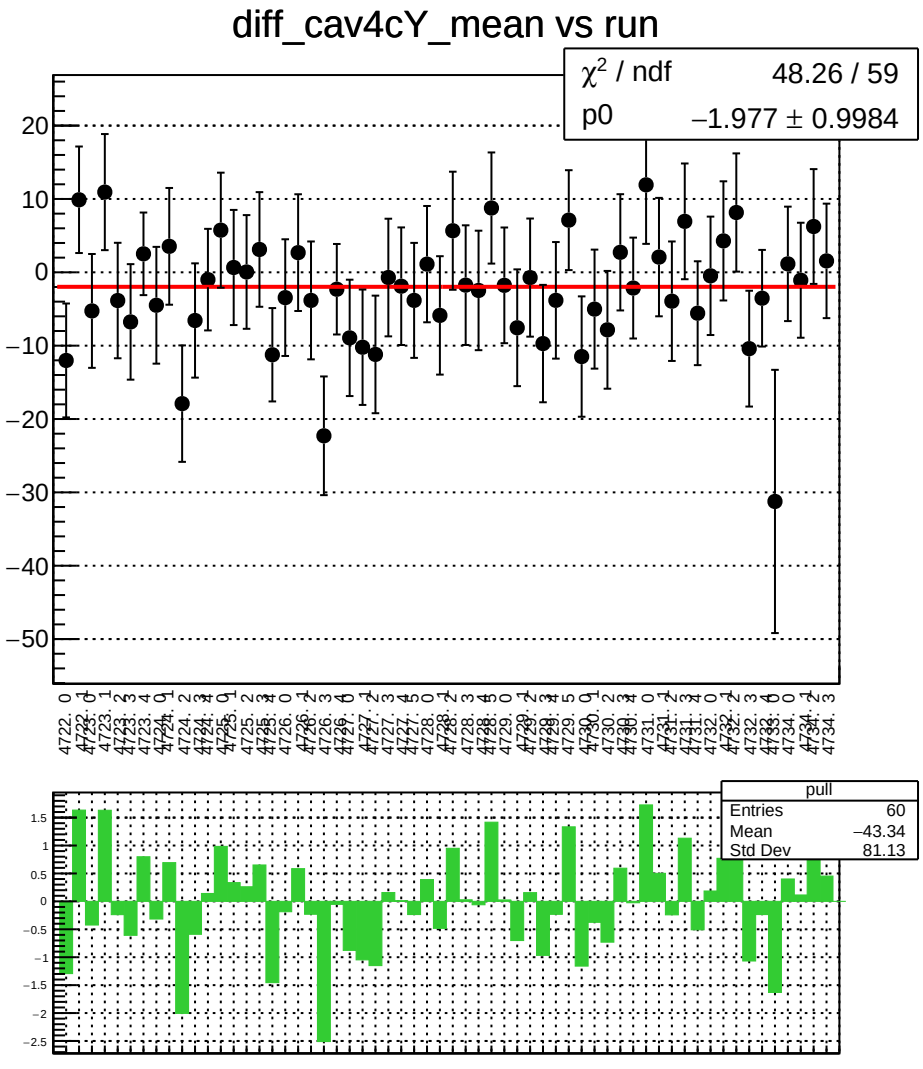

pull1D
Entries 60
Mean 0.1302
Std Dev 0.8097

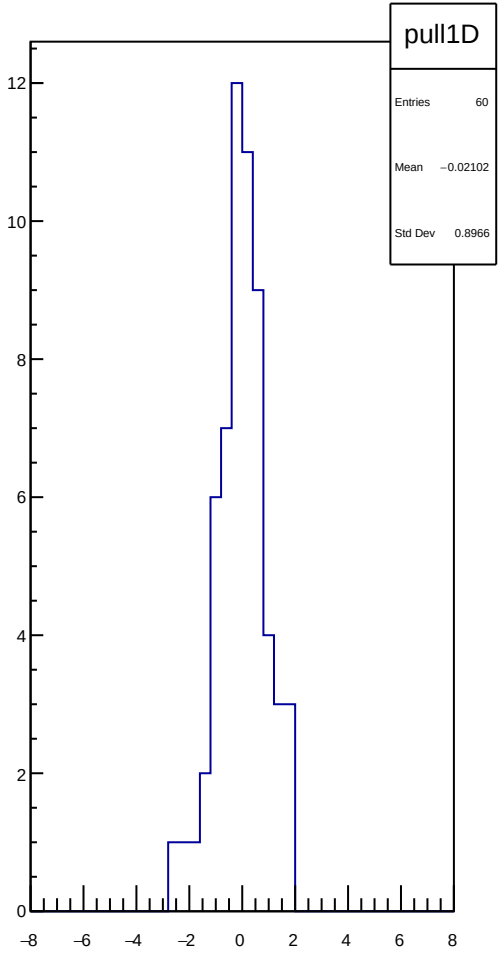

diff_cav4bY_rms vs run
χ² / ndf 9.185e+05 / 59
p0 3058 ± 6.462
80000
70000
60000
50000
40000
30000
20000
10000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

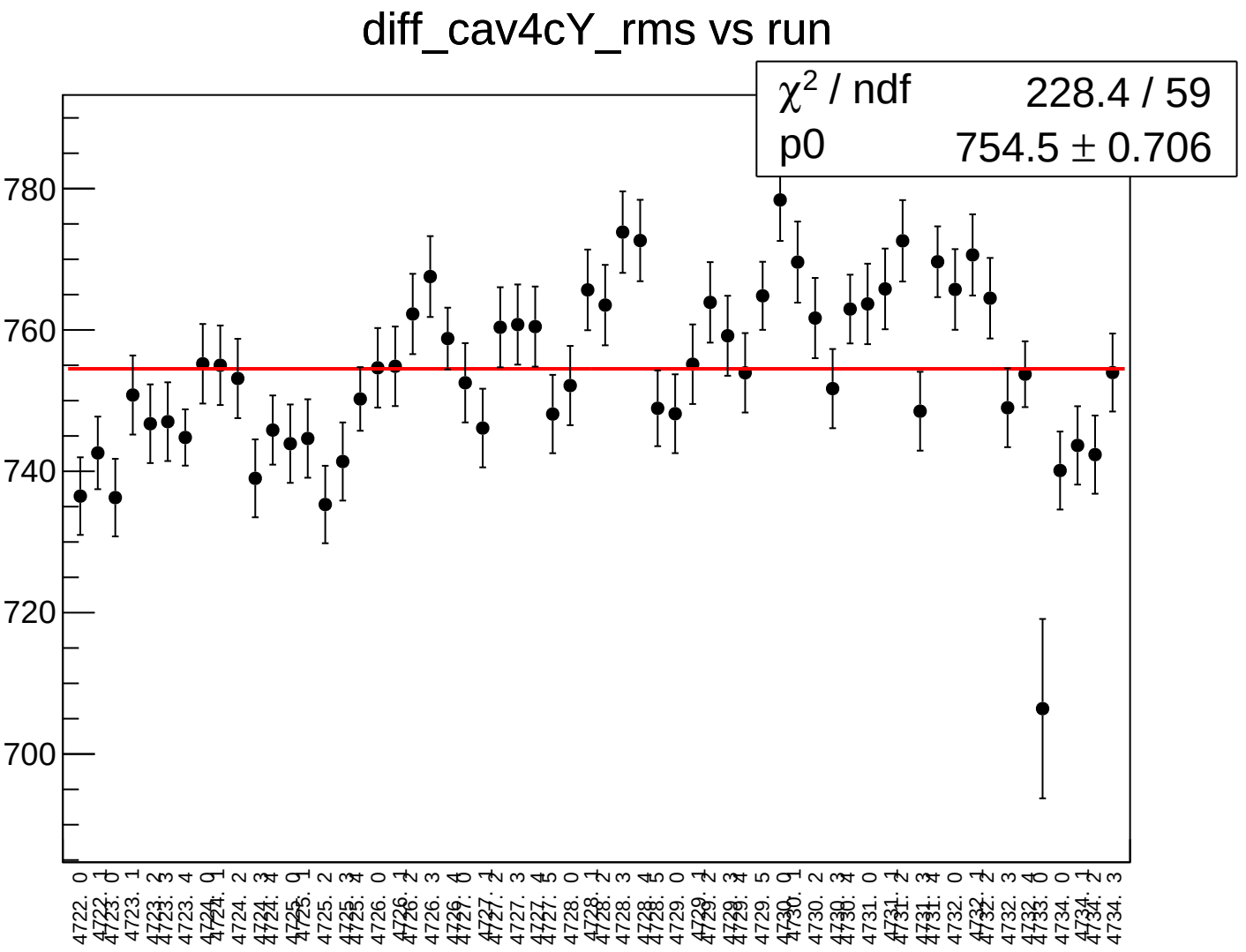

diff_cav4cX_mean vs run
χ² / ndf 56.71 / 59
p0 −0.8788 ± 2.363
pull
Entries 60
Mean 2.564e+04
Std Dev 2.561e+04

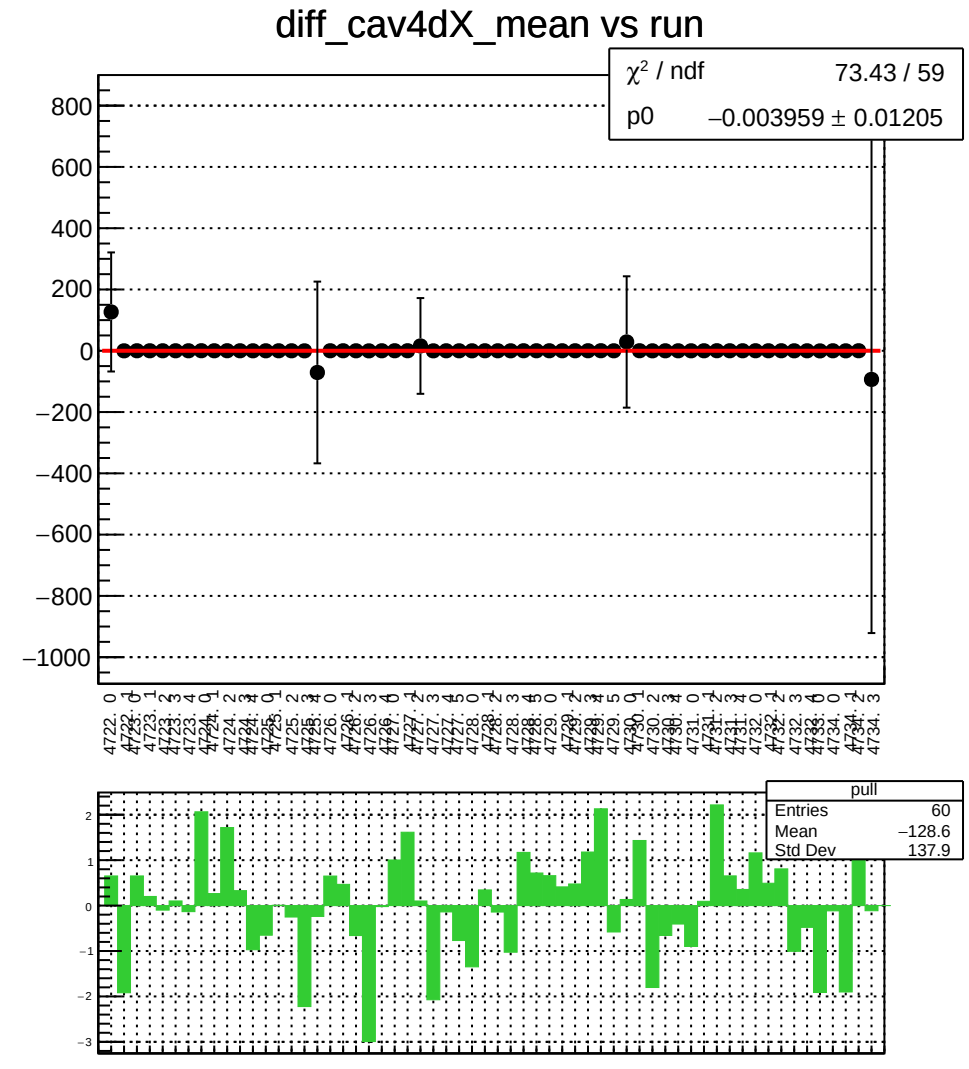

pull1D
Entries 60
Mean 9.408e−05
Std Dev 0.9722

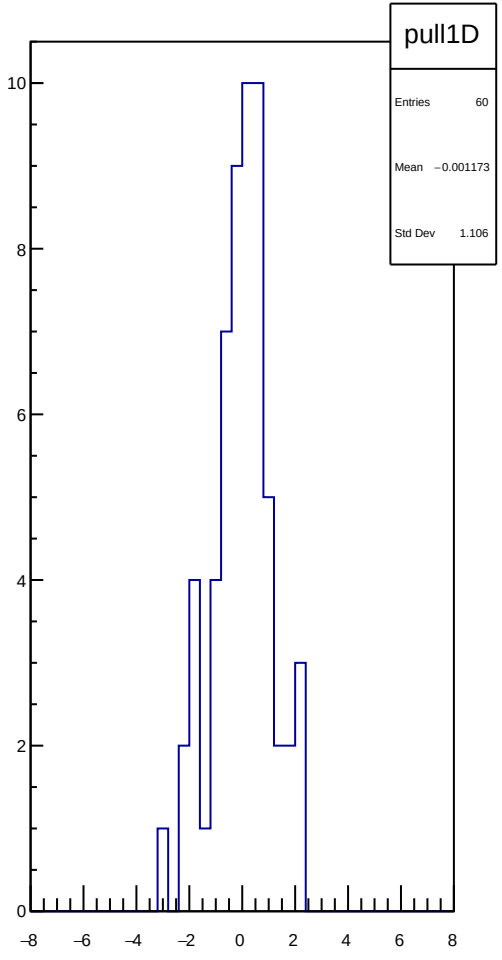

diff_cav4cX_rms vs run
χ² / ndf 1.765e+04 / 59
p0 1772 ± 1.671
2400
2200
2000
1800
1600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

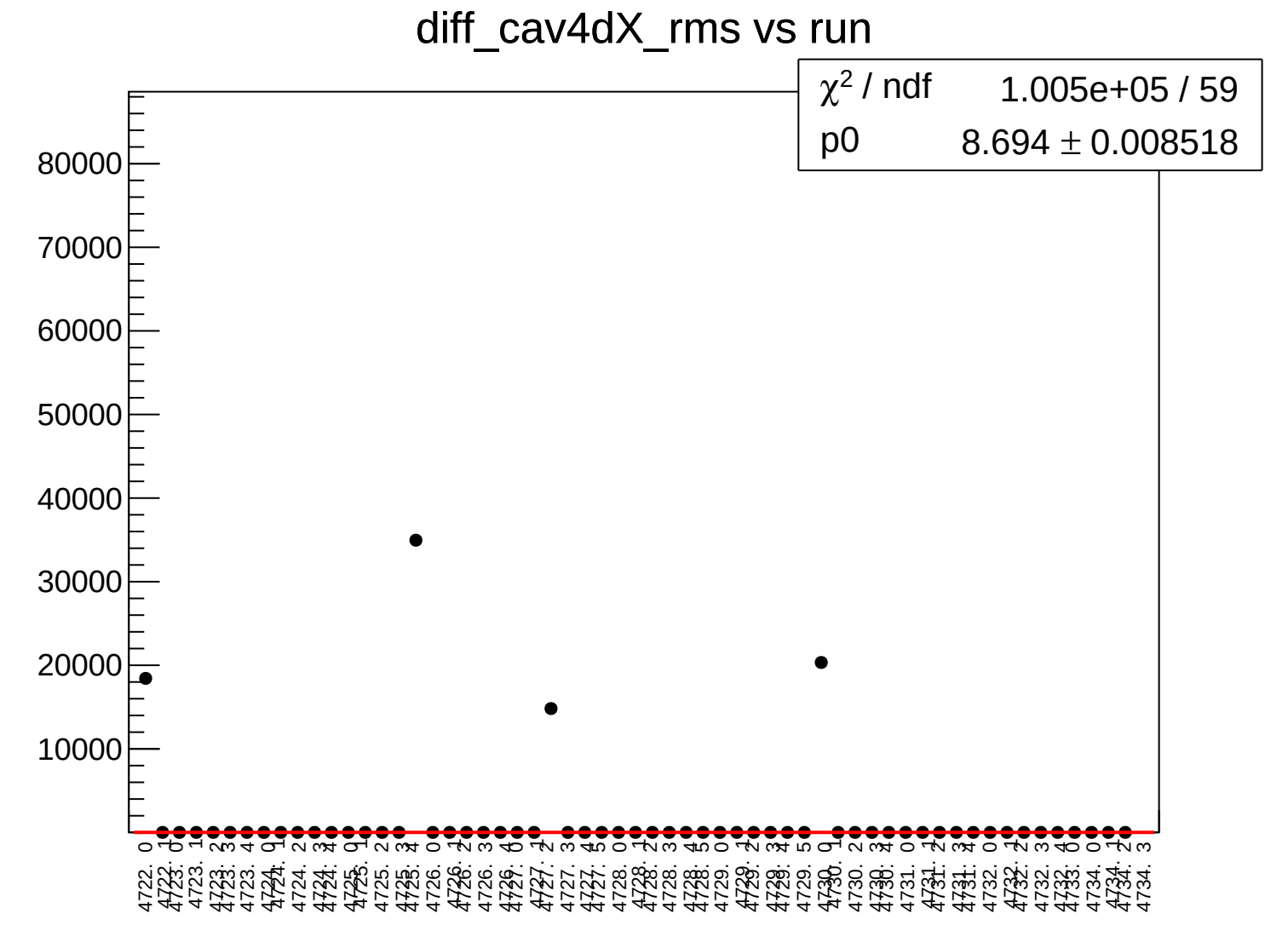

diff_cav4cY_mean vs run
χ² / ndf 48.26 / 59
p0 −1.977 ± 0.9984
pull
Entries 60
Mean −43.34
Std Dev 81.13

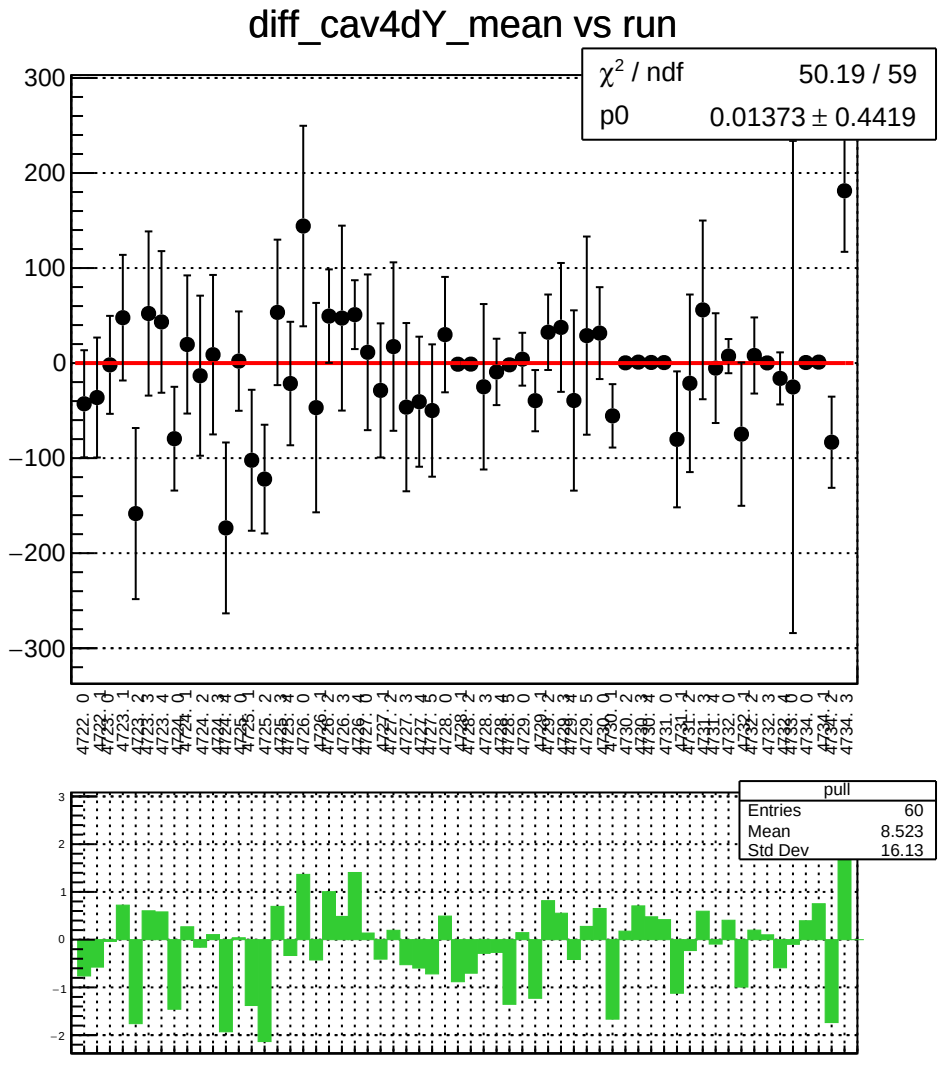

pull1D
Entries 60
Mean −0.02102
Std Dev 0.8966

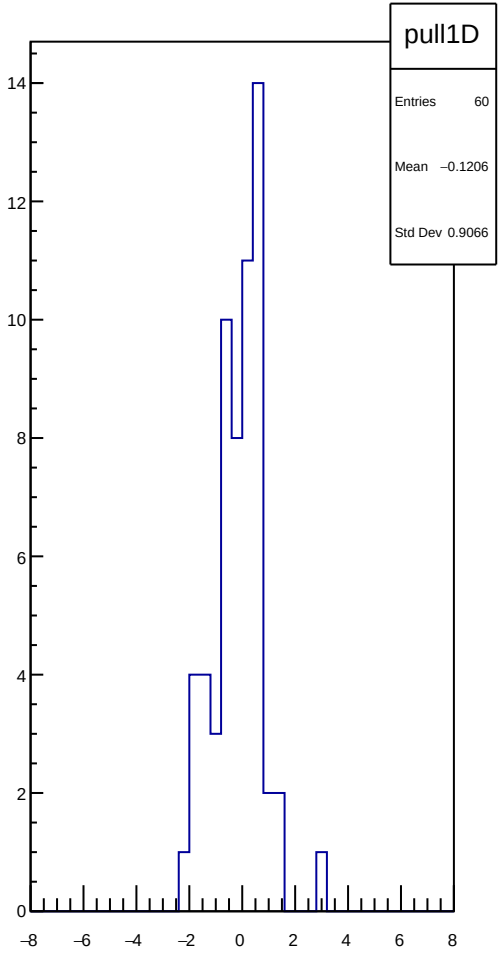

diff_cav4cY_rms vs run
χ² / ndf 228.4 / 59
p0 754.5 ± 0.706
780
760
740
720
700
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

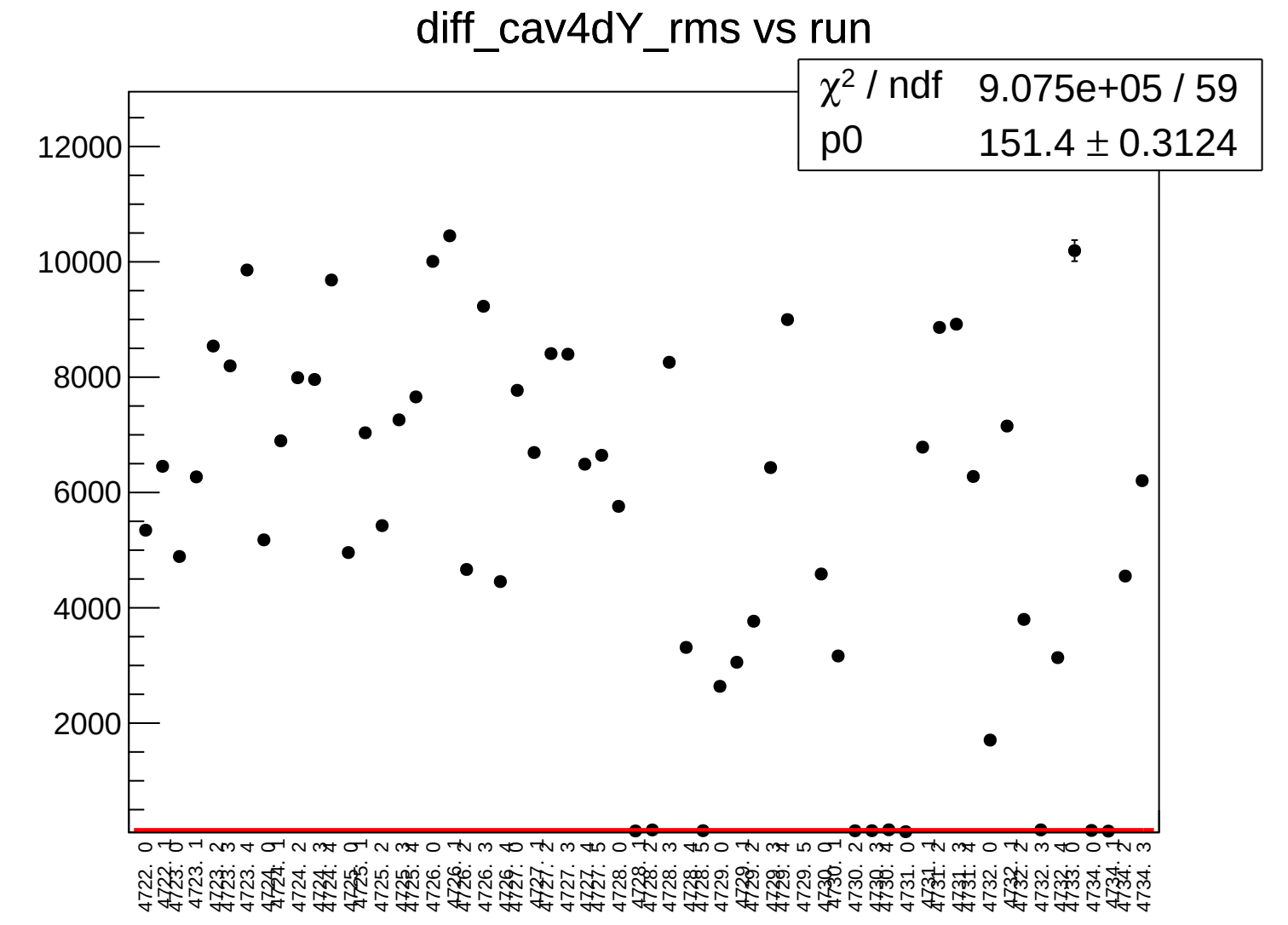

diff_cav4dX_mean vs run
χ² / ndf 73.43 / 59
p0 −0.003959 ± 0.01205
pull
Entries 60
Mean −128.6
Std Dev 137.9

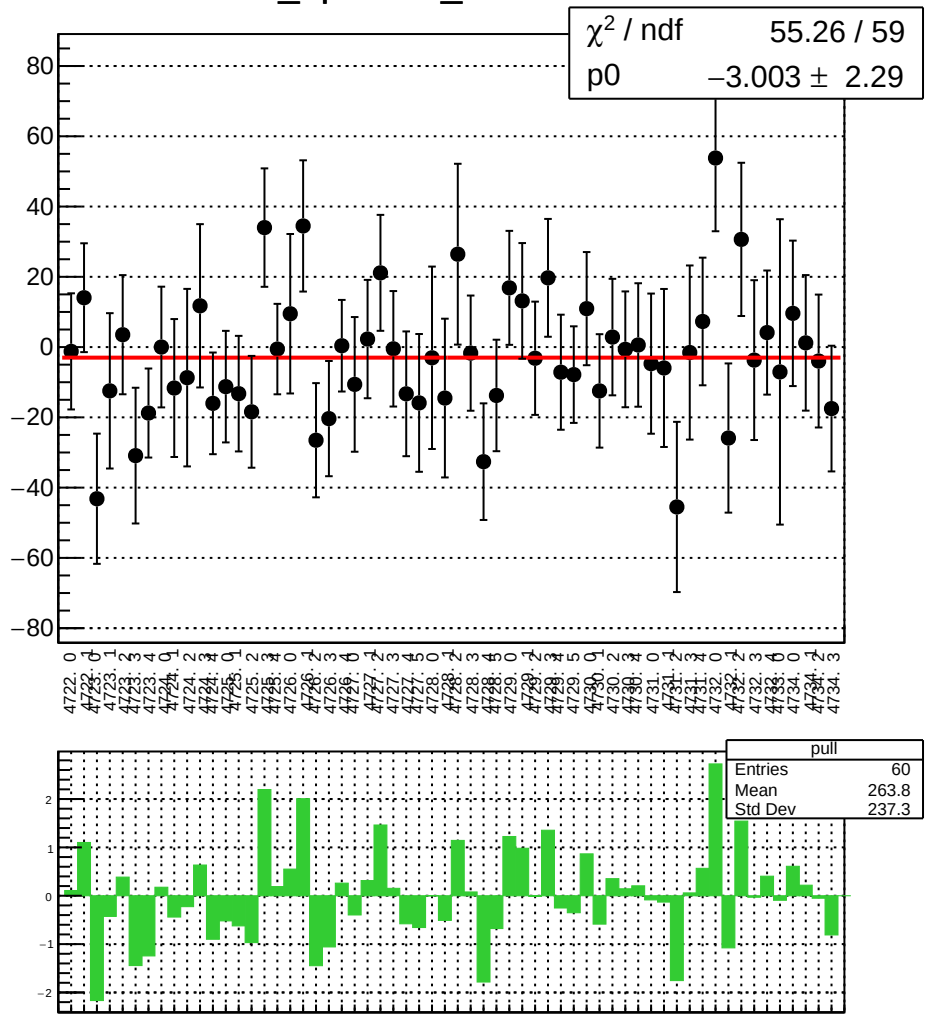

pull1D
Entries 60
Mean −0.001173
Std Dev 1.106

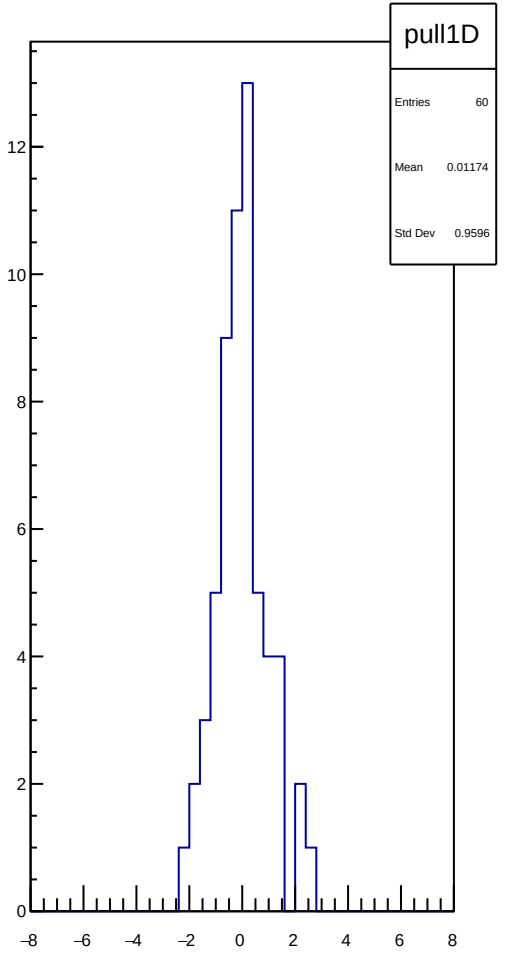

diff_cav4dX_rms vs run
χ^2 / ndf 1.005e+05 / 59
p0 8.694 ± 0.008518
80000
70000
60000
50000
40000
30000
20000
10000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

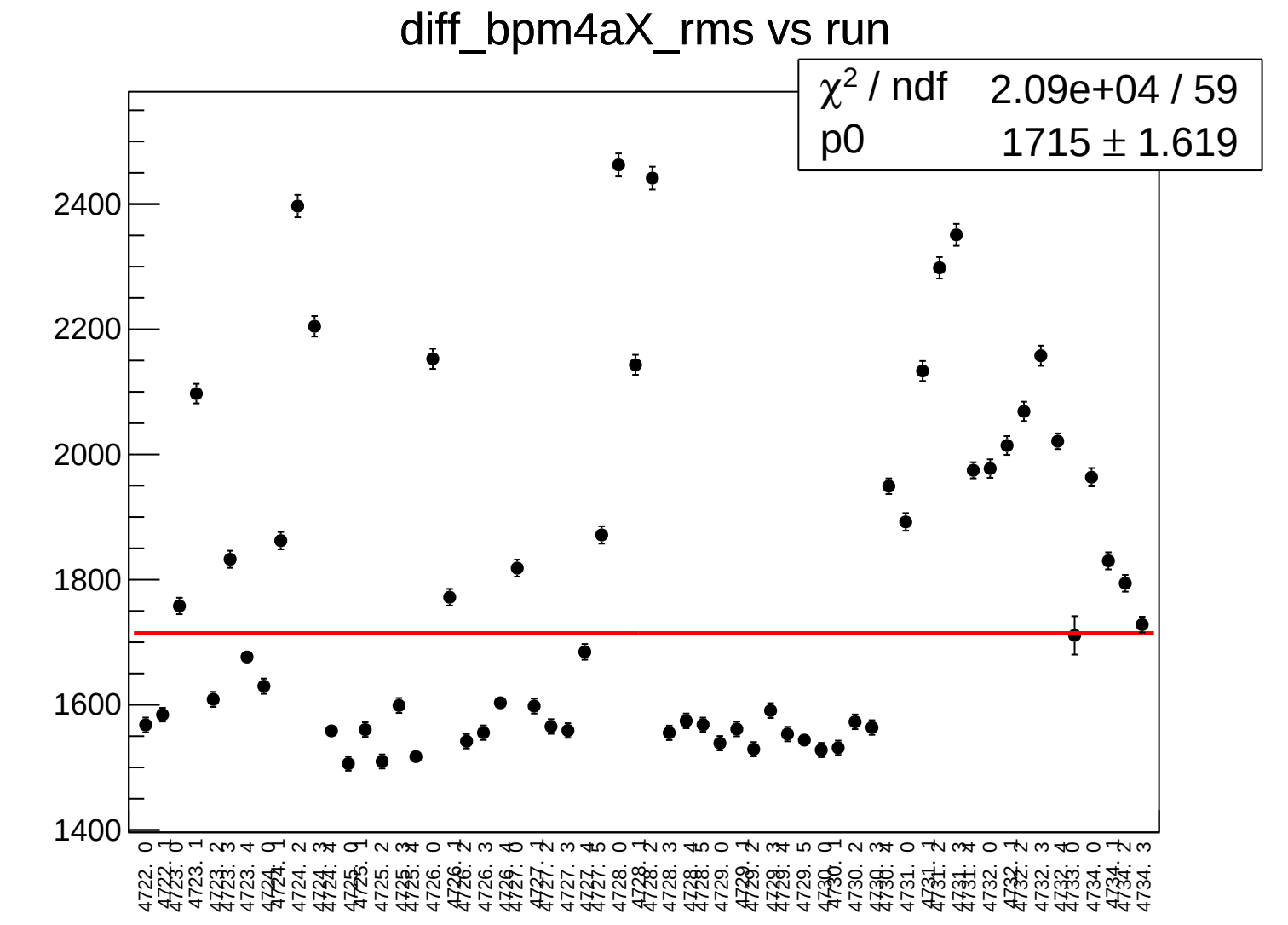

diff_cav4dY_mean vs run
χ² / ndf 50.19 / 59
p0 0.01373 ± 0.4419
pull
Entries 60
Mean 8.523
Std Dev 16.13

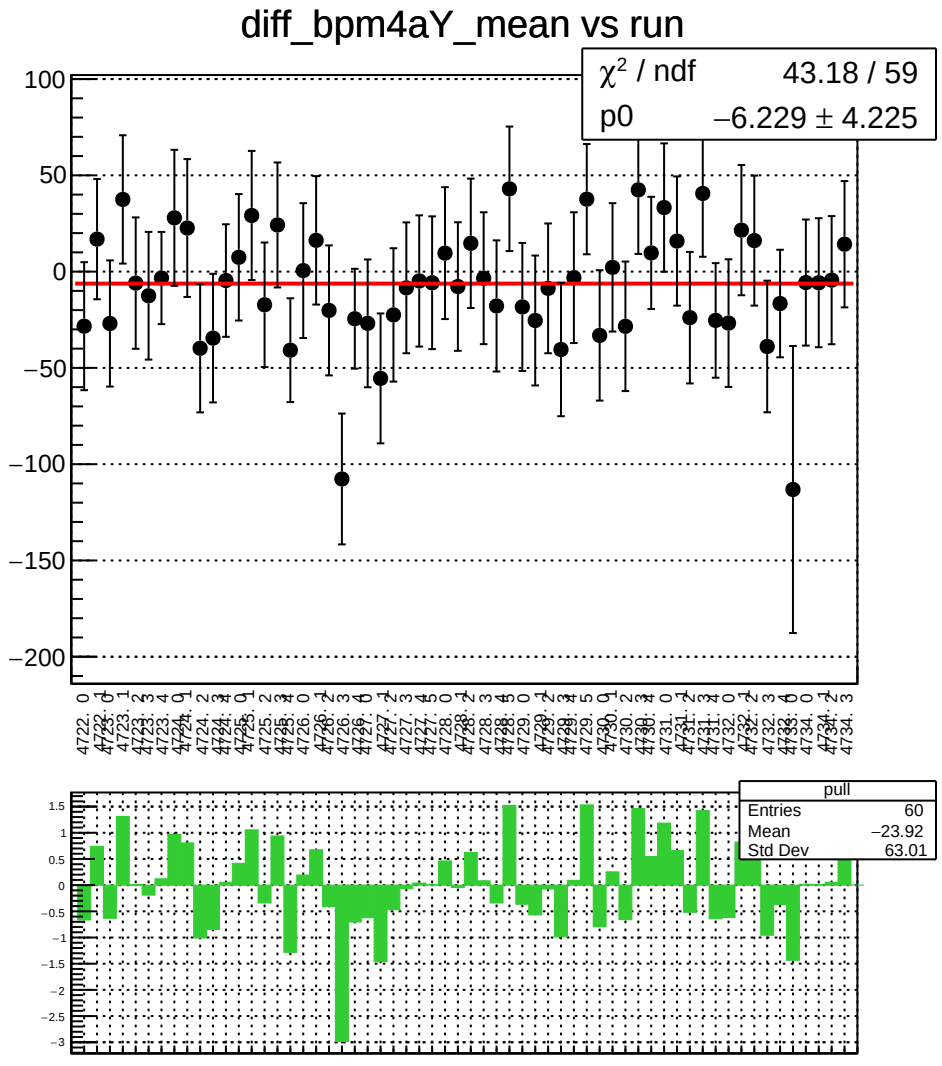

pull1D
Entries 60
Mean −0.1206
Std Dev 0.9066

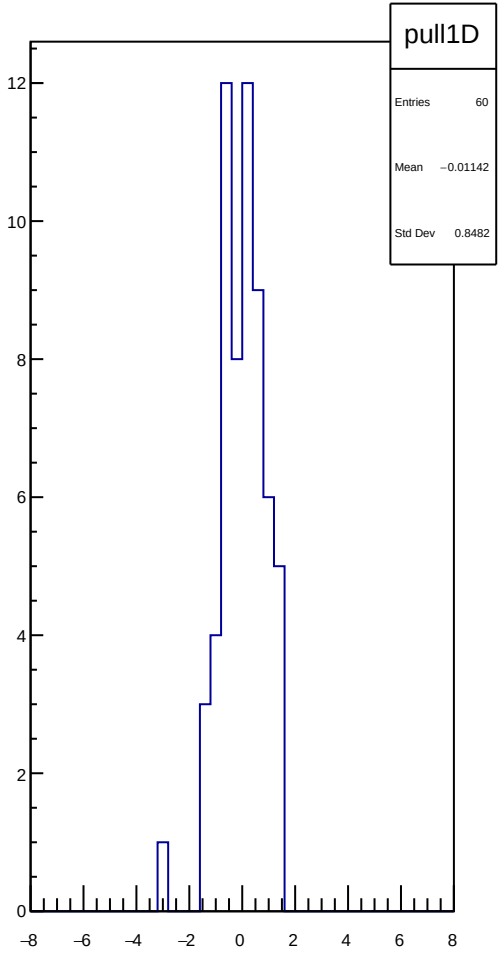

diff_cav4dY_rms vs run
χ² / ndf 9.075e+05 / 59
p0 151.4 ± 0.3124
12000
10000
8000
6000
4000
2000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

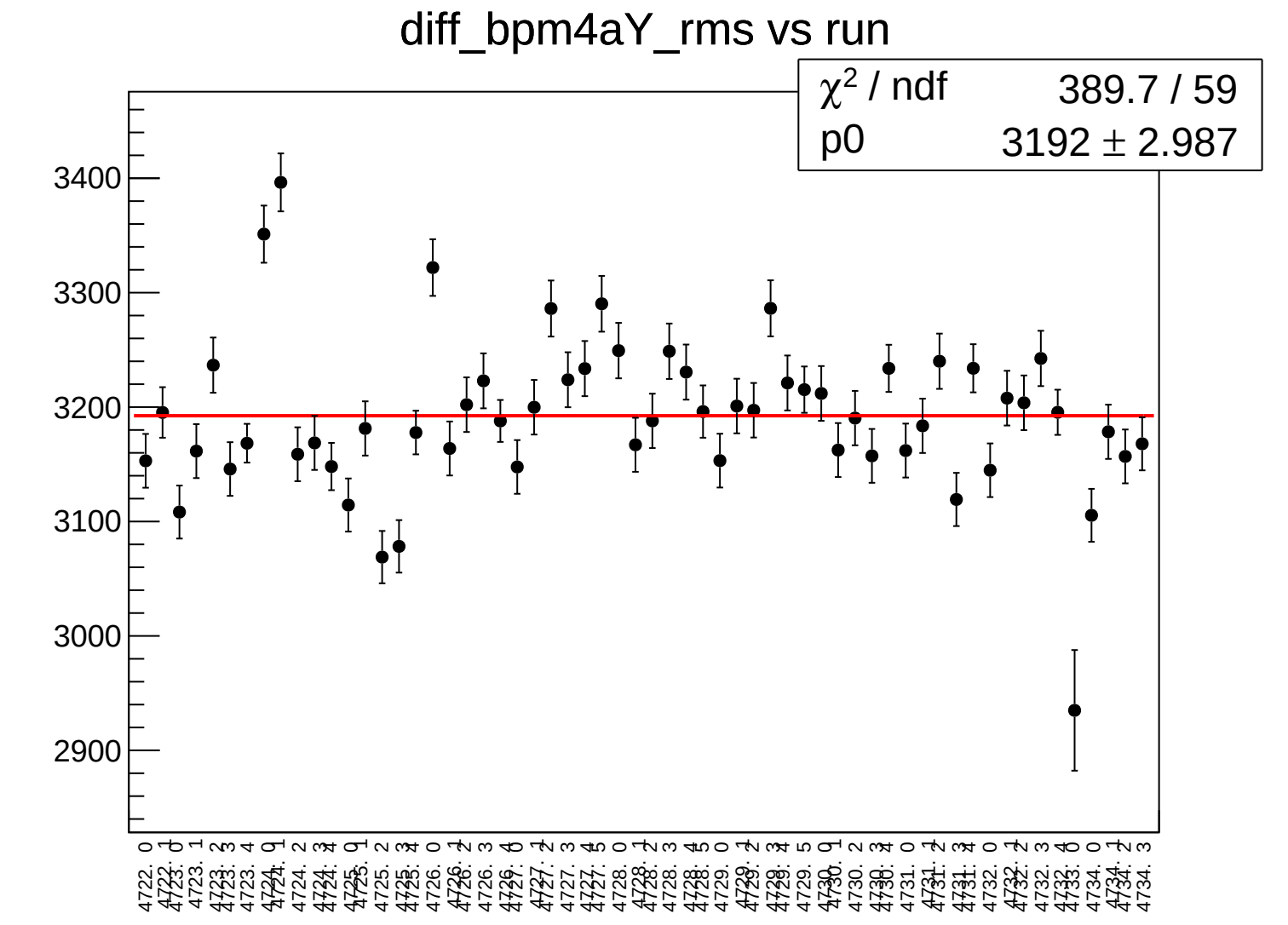

diff_bpm4aX_mean vs run
χ² / ndf 55.26 / 59
p0 −3.003 ± 2.29
pull
Entries 60
Mean 263.8
Std Dev 237.3

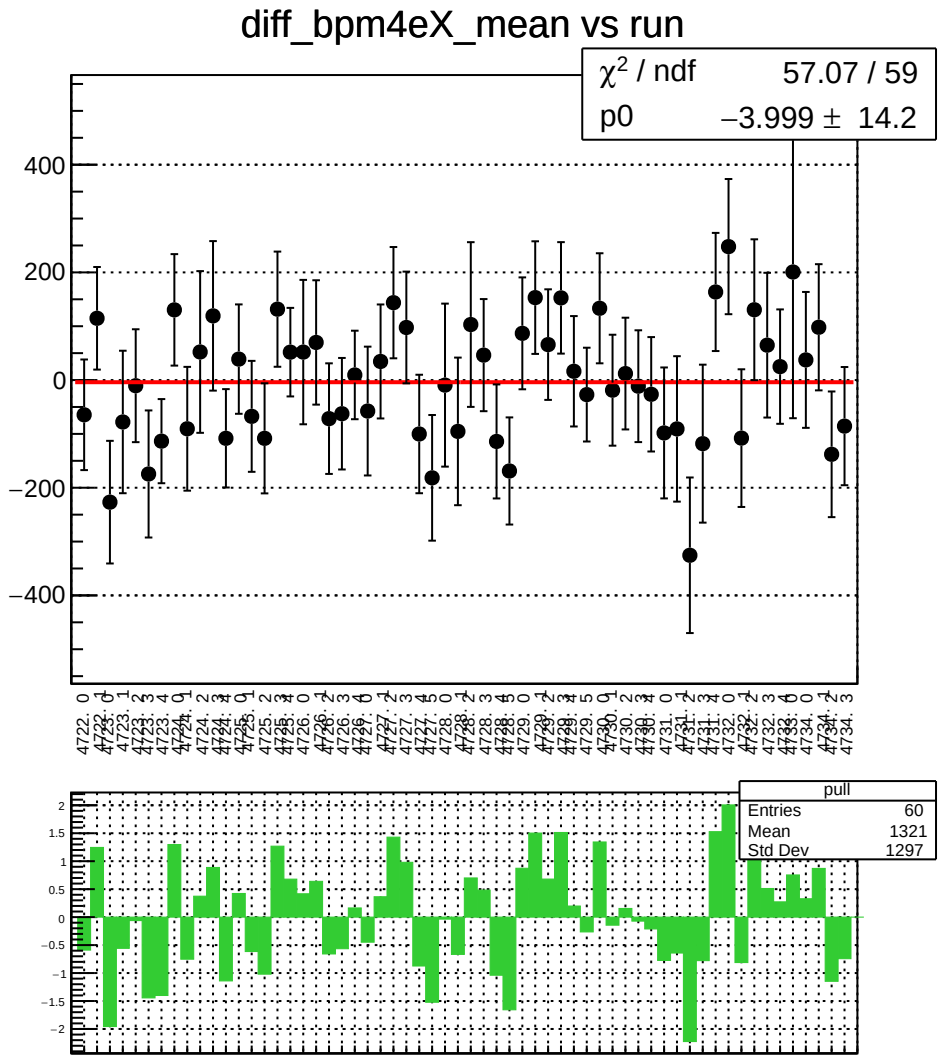

pull1D
Entries 60
Mean 0.01174
Std Dev 0.9596

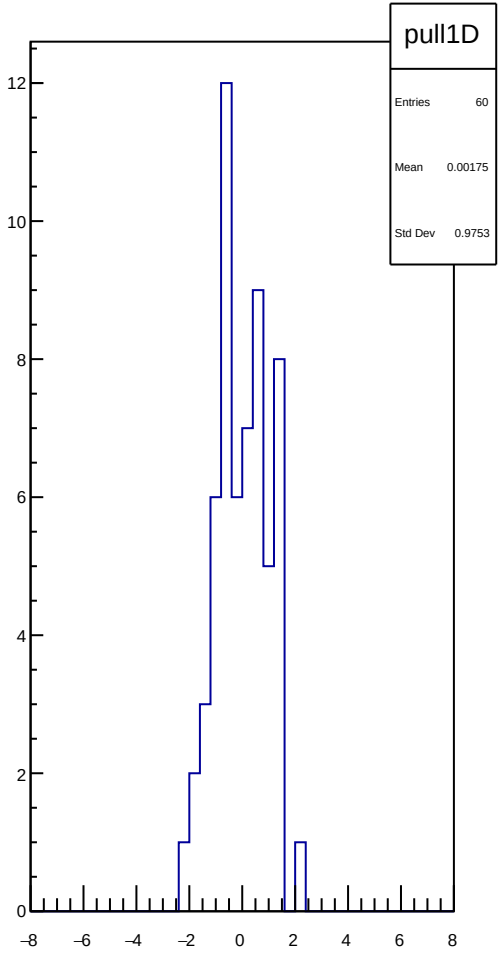

diff_bpm4aX_rms vs run
χ^2 / ndf 2.09e+04 / 59
p0 1715 ± 1.619
2400
2200
2000
1800
1600
1400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

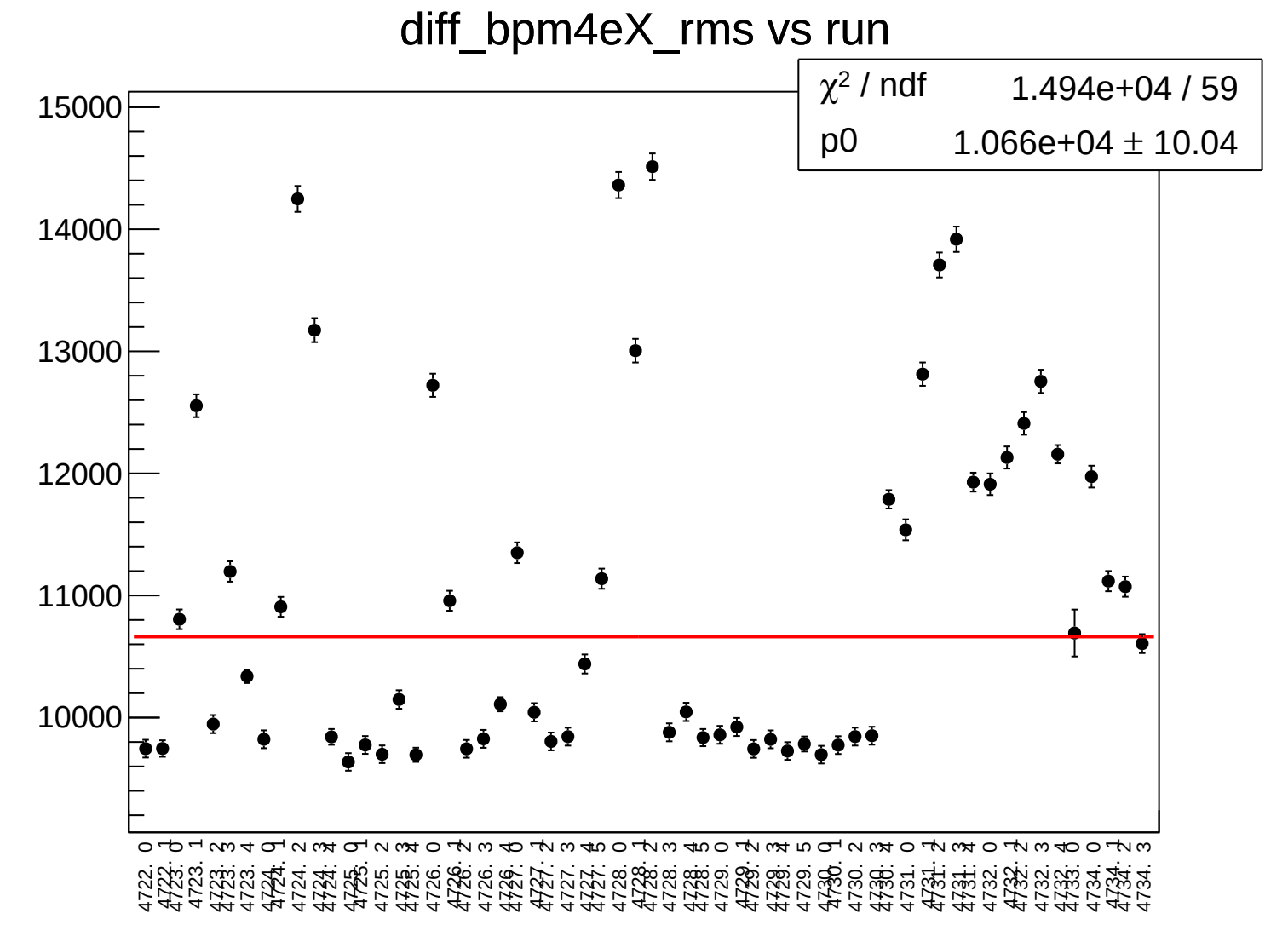

diff_bpm4aY_mean vs run
χ² / ndf 43.18 / 59
p0 −6.229 ± 4.225
pull
Entries 60
Mean −23.92
Std Dev 63.01

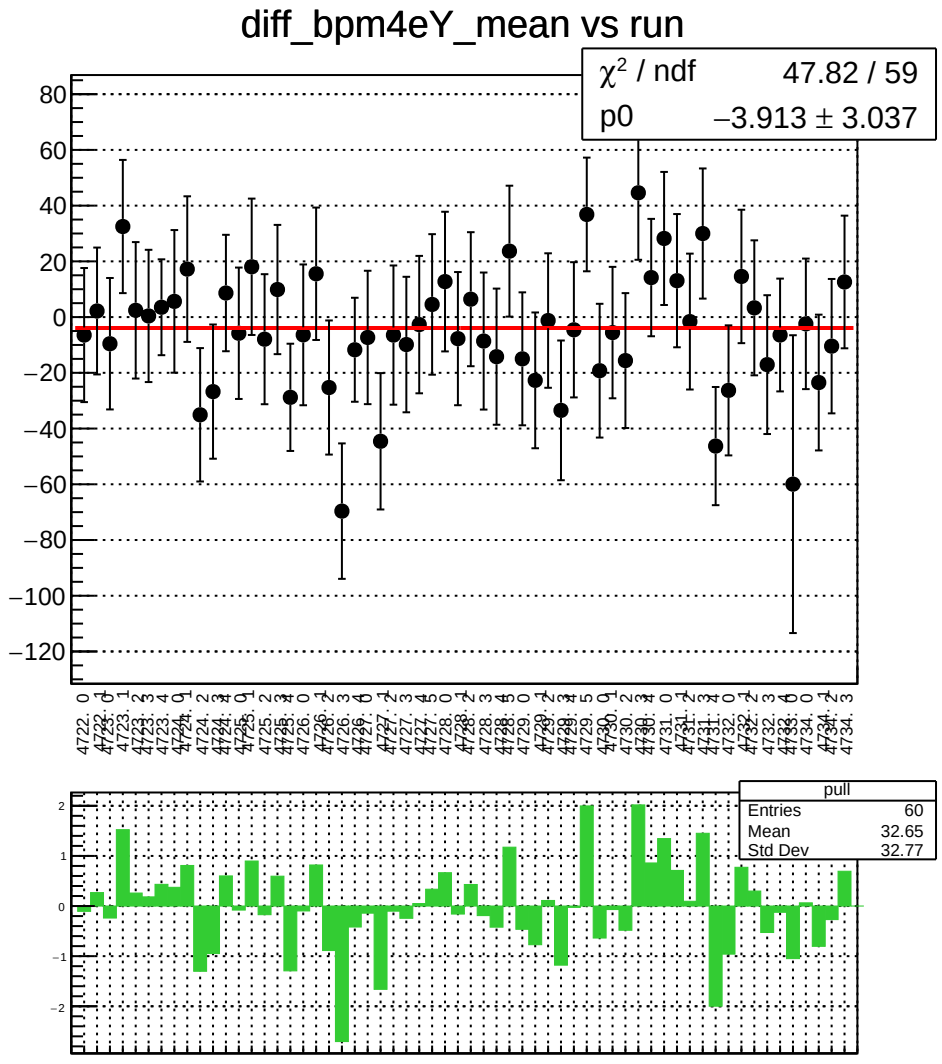

pull1D
Entries 60
Mean −0.01142
Std Dev 0.8482

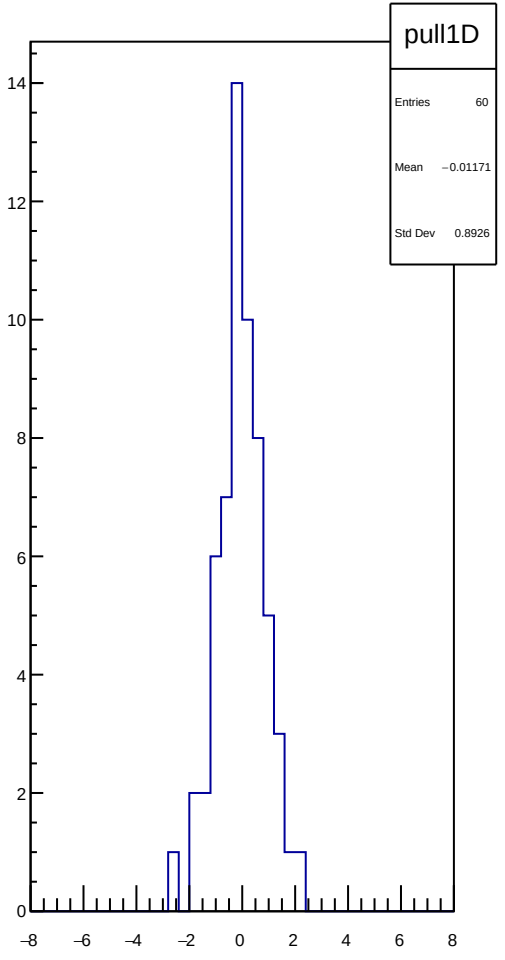

diff_bpm4aY_rms vs run
χ^2 / ndf 389.7 / 59
p0 3192 ± 2.987
3400
3300
3200
3100
3000
2900

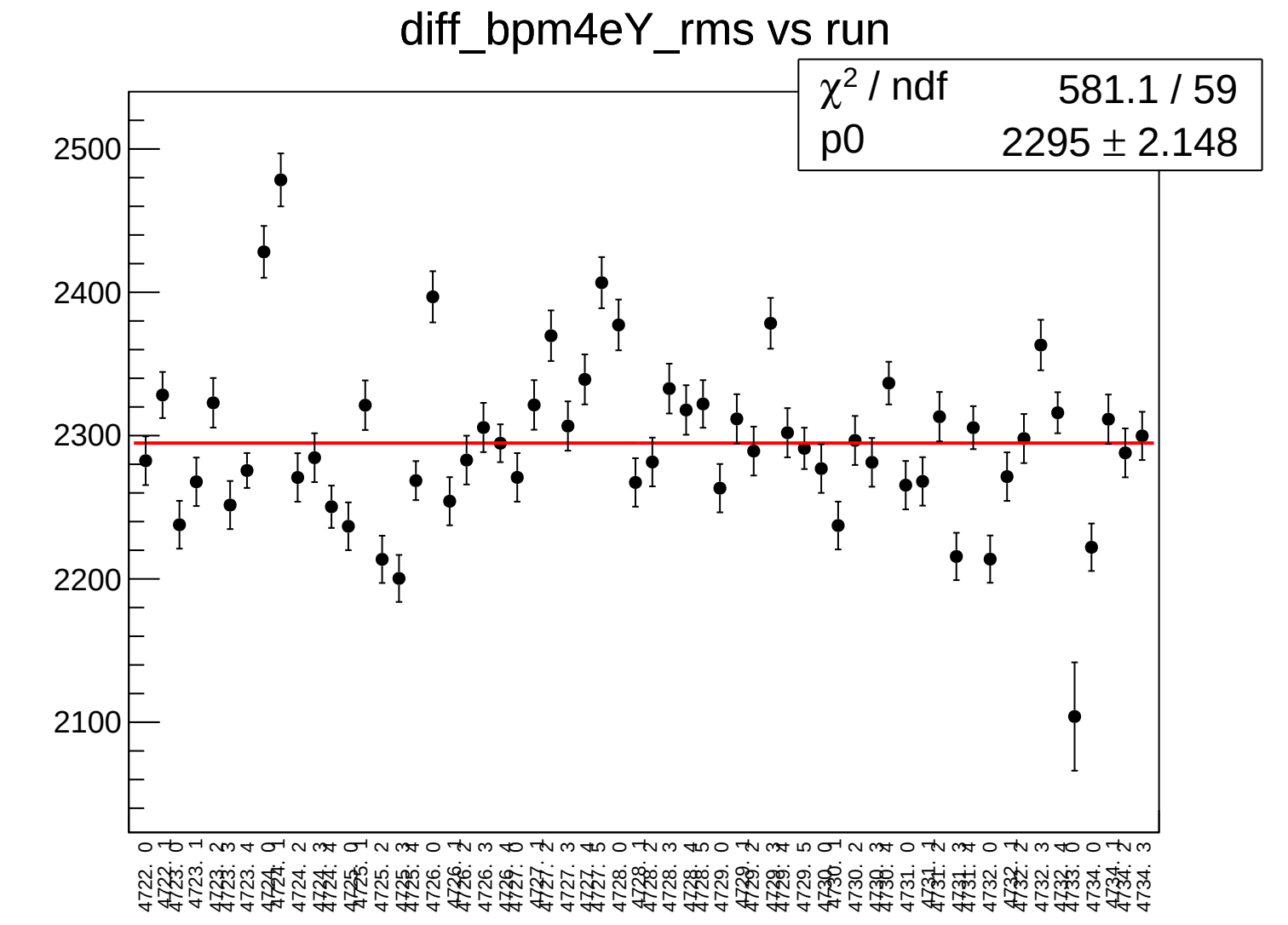

diff_bpm4eX_mean vs run
χ² / ndf 57.07 / 59
p0 −3.999 ± 14.2
400
200
0
−200
−400
pull
Entries 60
Mean 1321
Std Dev 1297
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

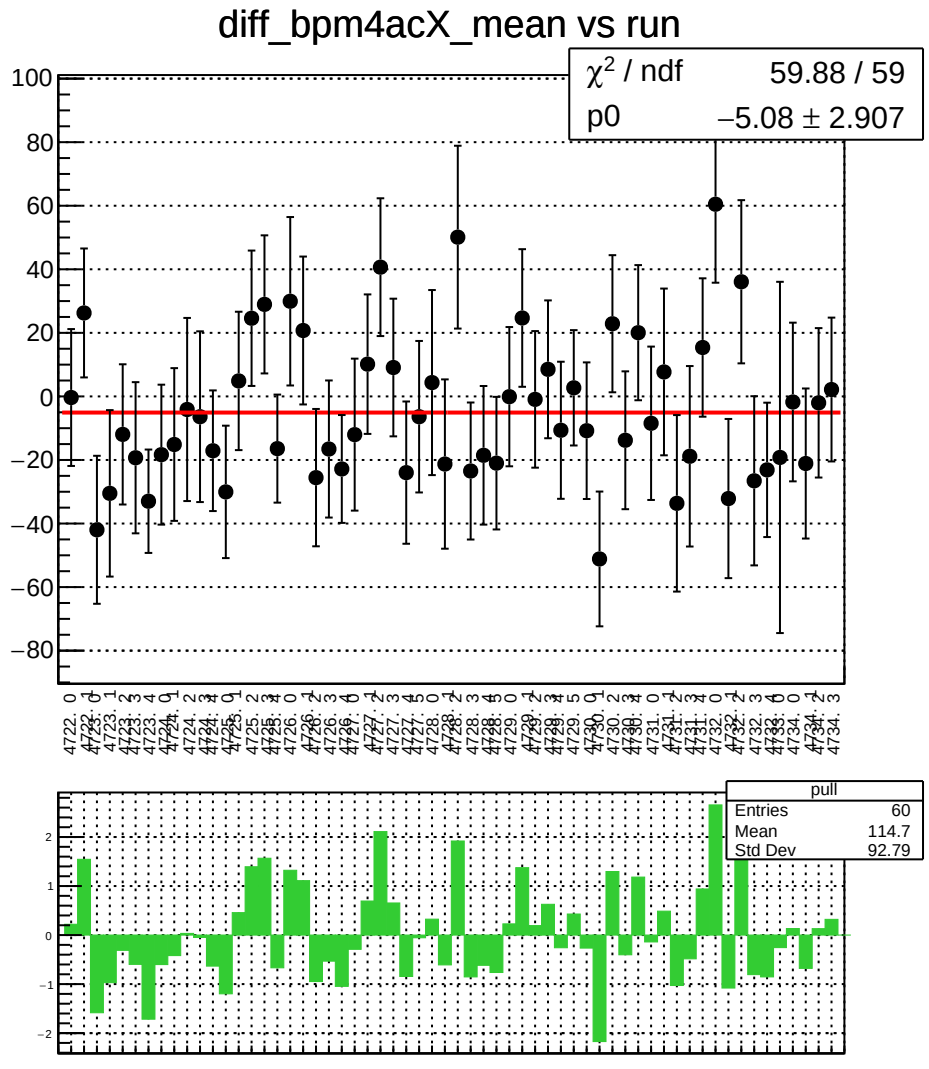

pull1D
Entries 60
Mean 0.00175
Std Dev 0.9753
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

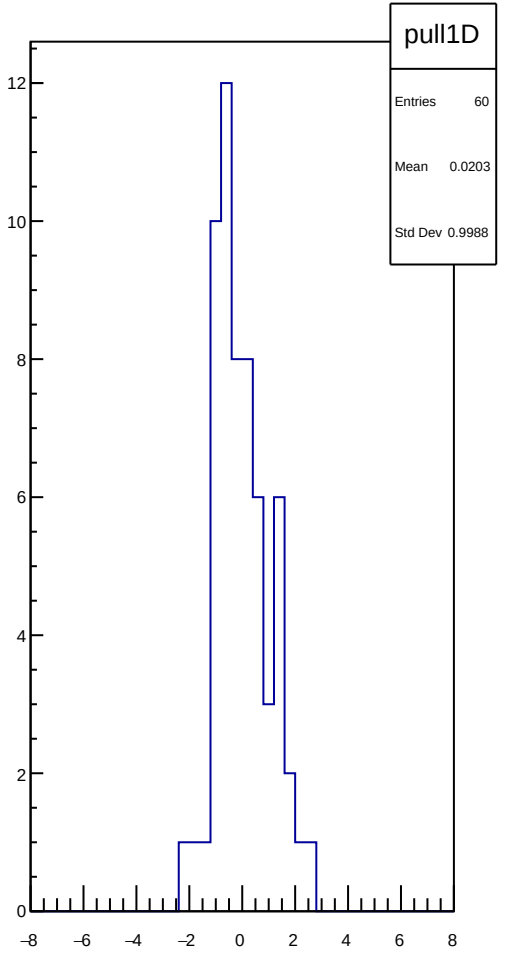

diff_bpm4eX_rms vs run
χ² / ndf 1.494e+04 / 59
p0 1.066e+04 ± 10.04
15000
14000
13000
12000
11000
10000

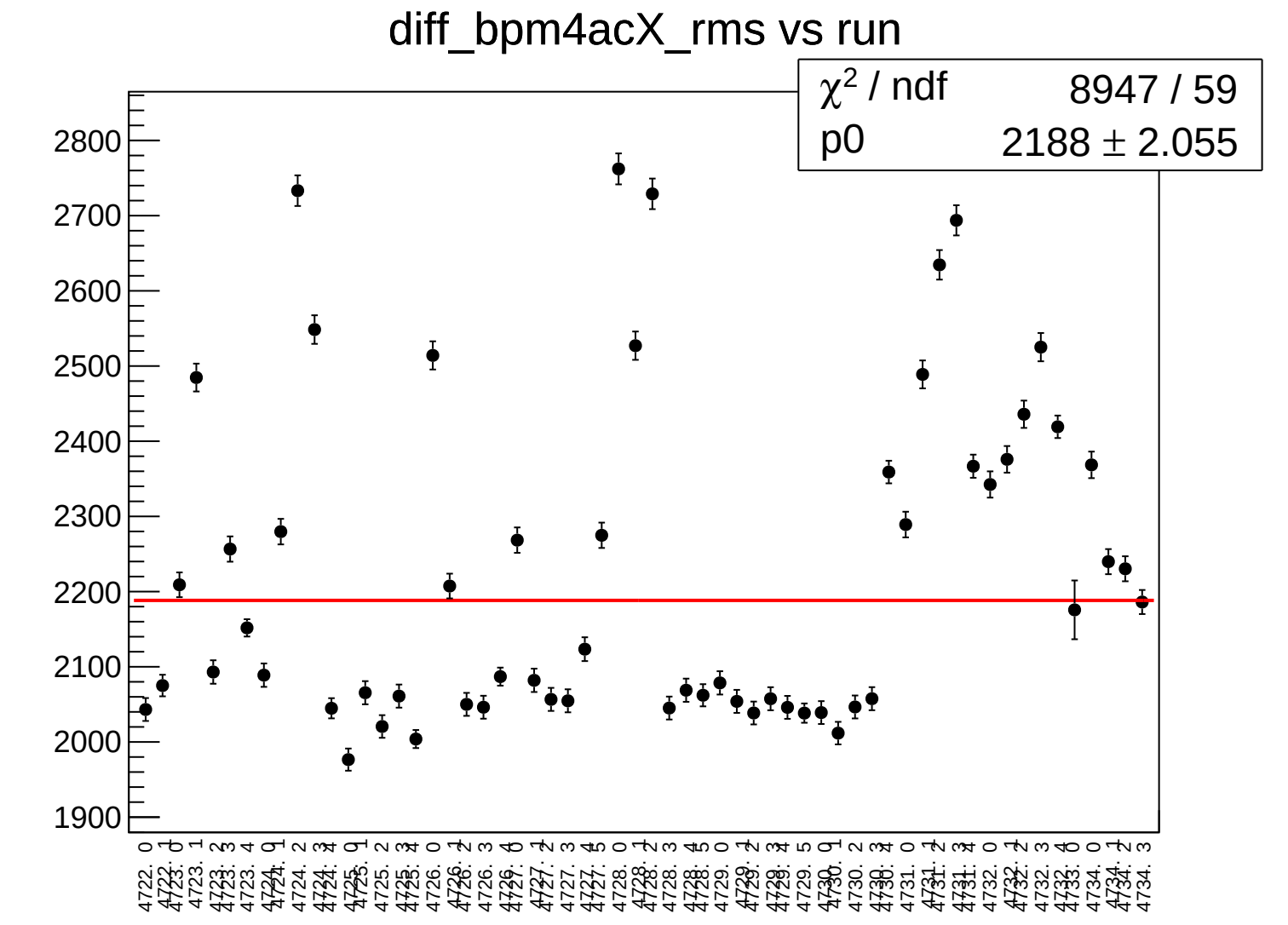

diff_bpm4eY_mean vs run
χ² / ndf 47.82 / 59
p0 −3.913 ± 3.037
pull
Entries 60
Mean 32.65
Std Dev 32.77

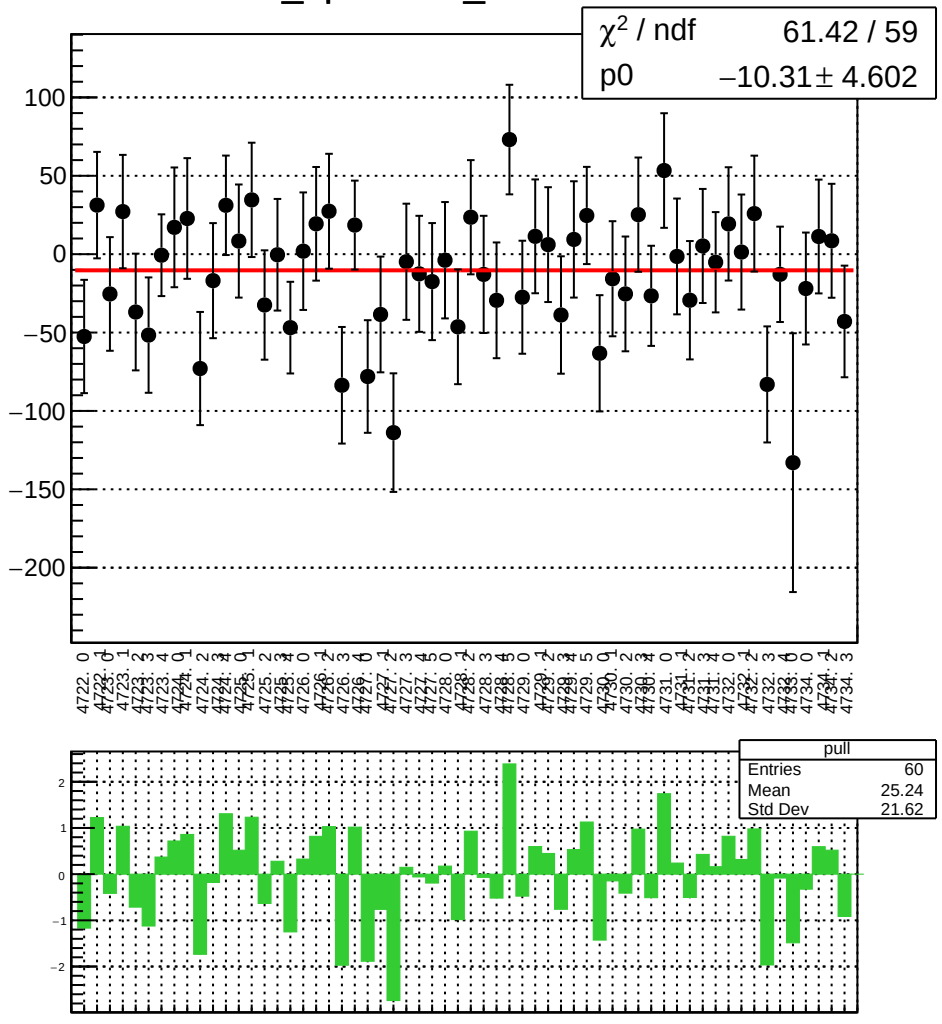

pull1D
Entries 60
Mean −0.01171
Std Dev 0.8926

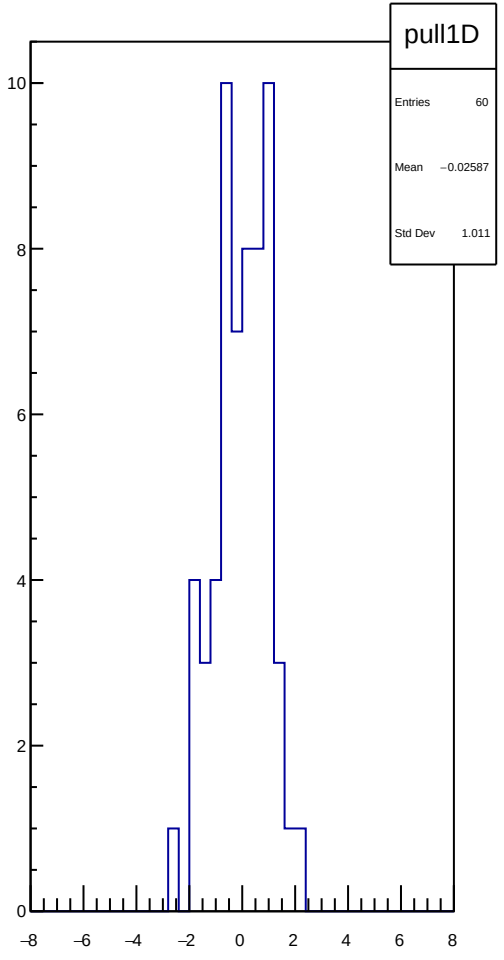

diff_bpm4eY_rms vs run
χ² / ndf 581.1 / 59
p0 2295 ± 2.148
2500
2400
2300
2200
2100

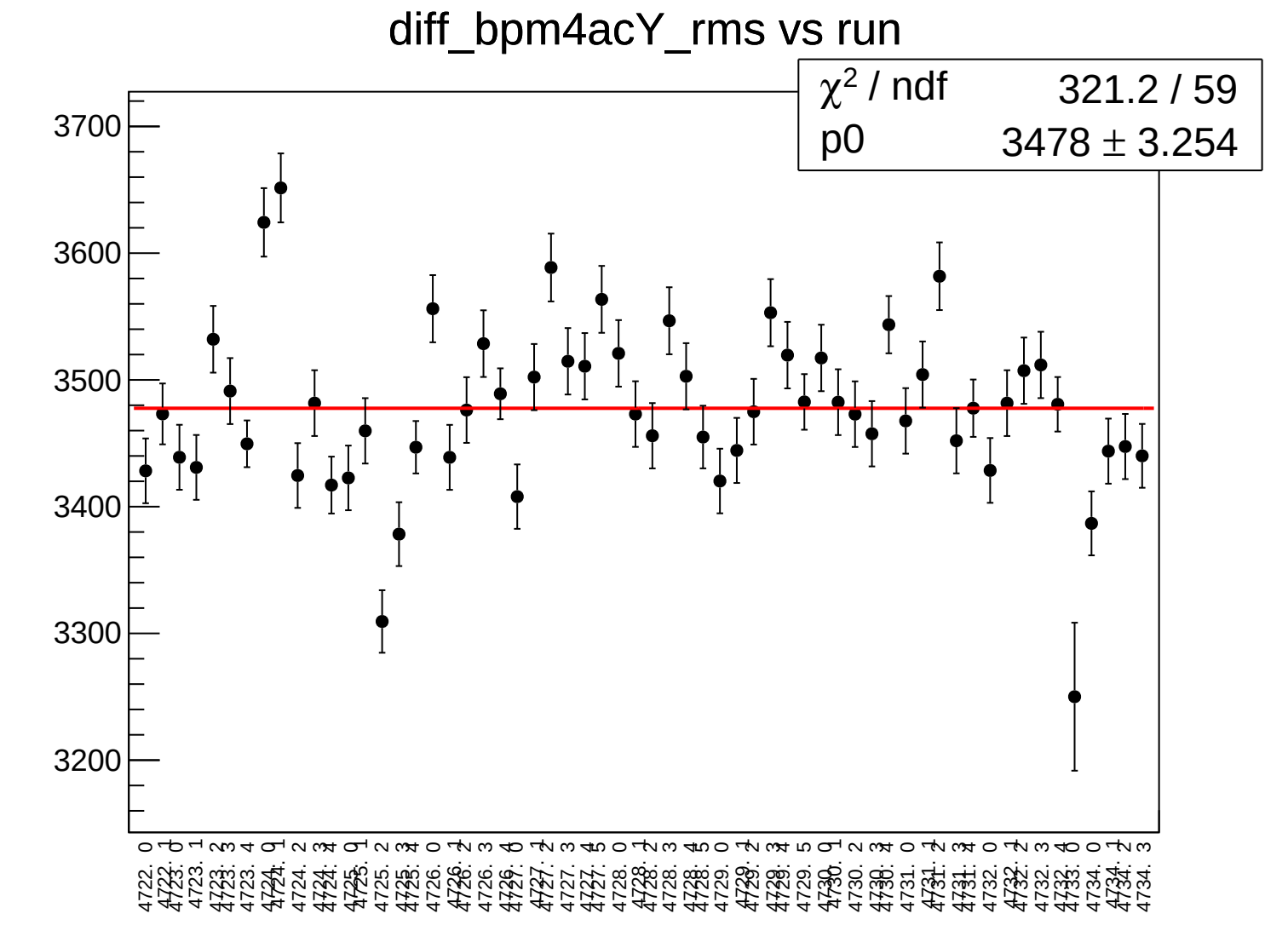

diff_bpm4acX_mean vs run
χ^2 / ndf 59.88 / 59
p0 −5.08 ± 2.907
pull
Entries 60
Mean 114.7
Std Dev 92.79

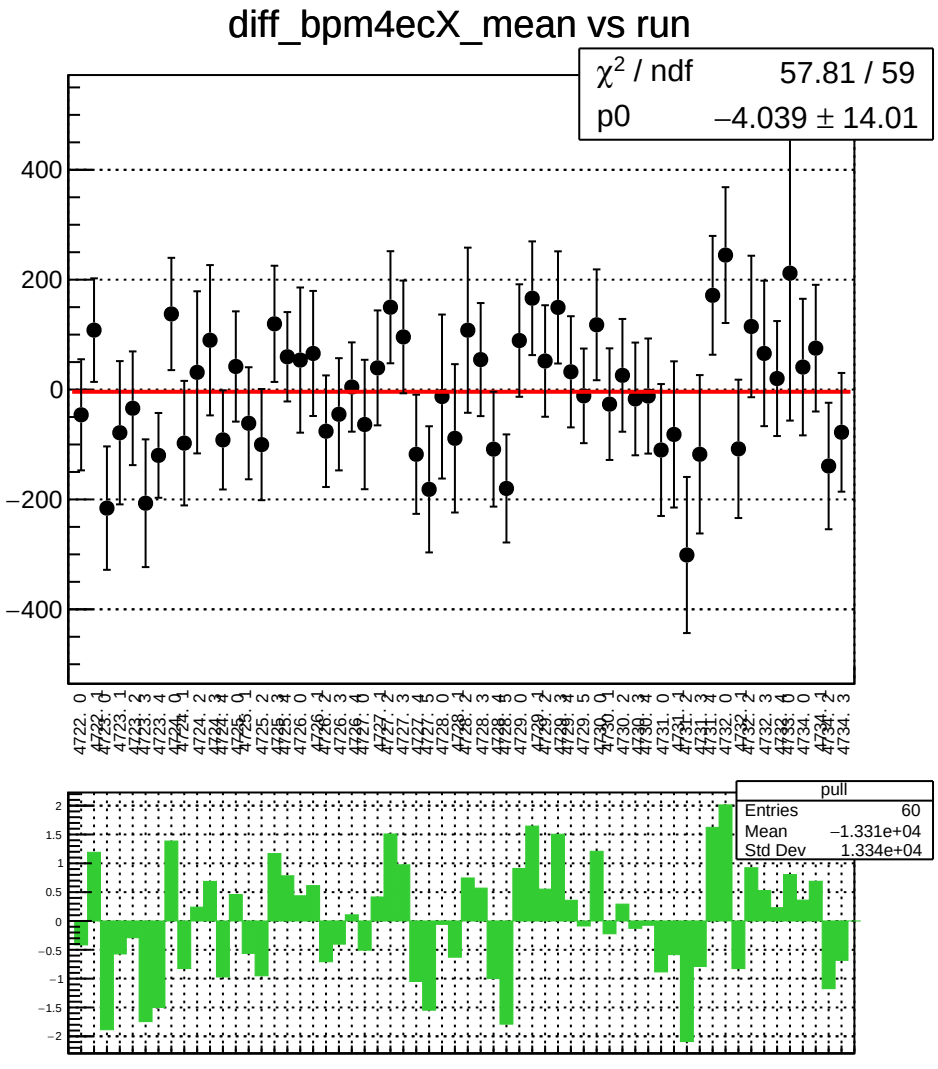

pull1D
Entries 60
Mean 0.0203
Std Dev 0.9988

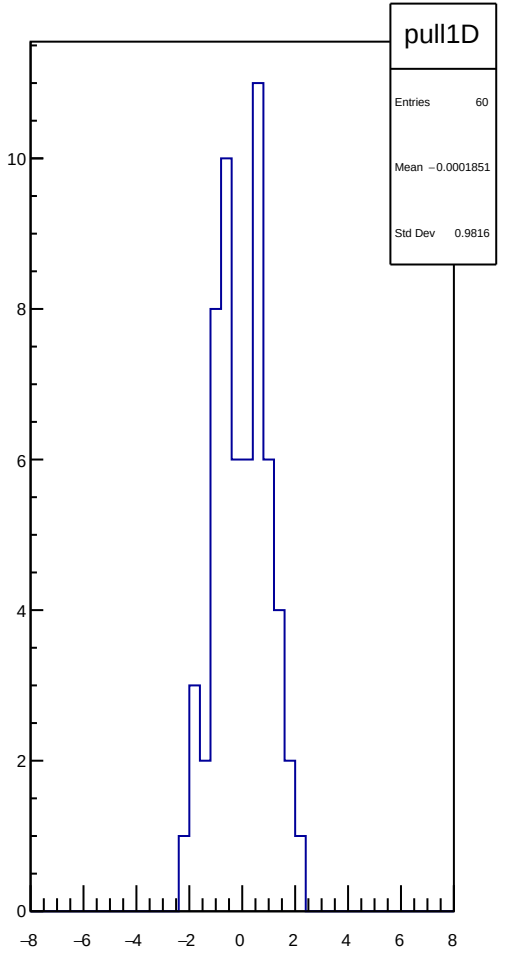

diff_bpm4acX_rms vs run
χ² / ndf 8947 / 59
p0 2188 ± 2.055
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

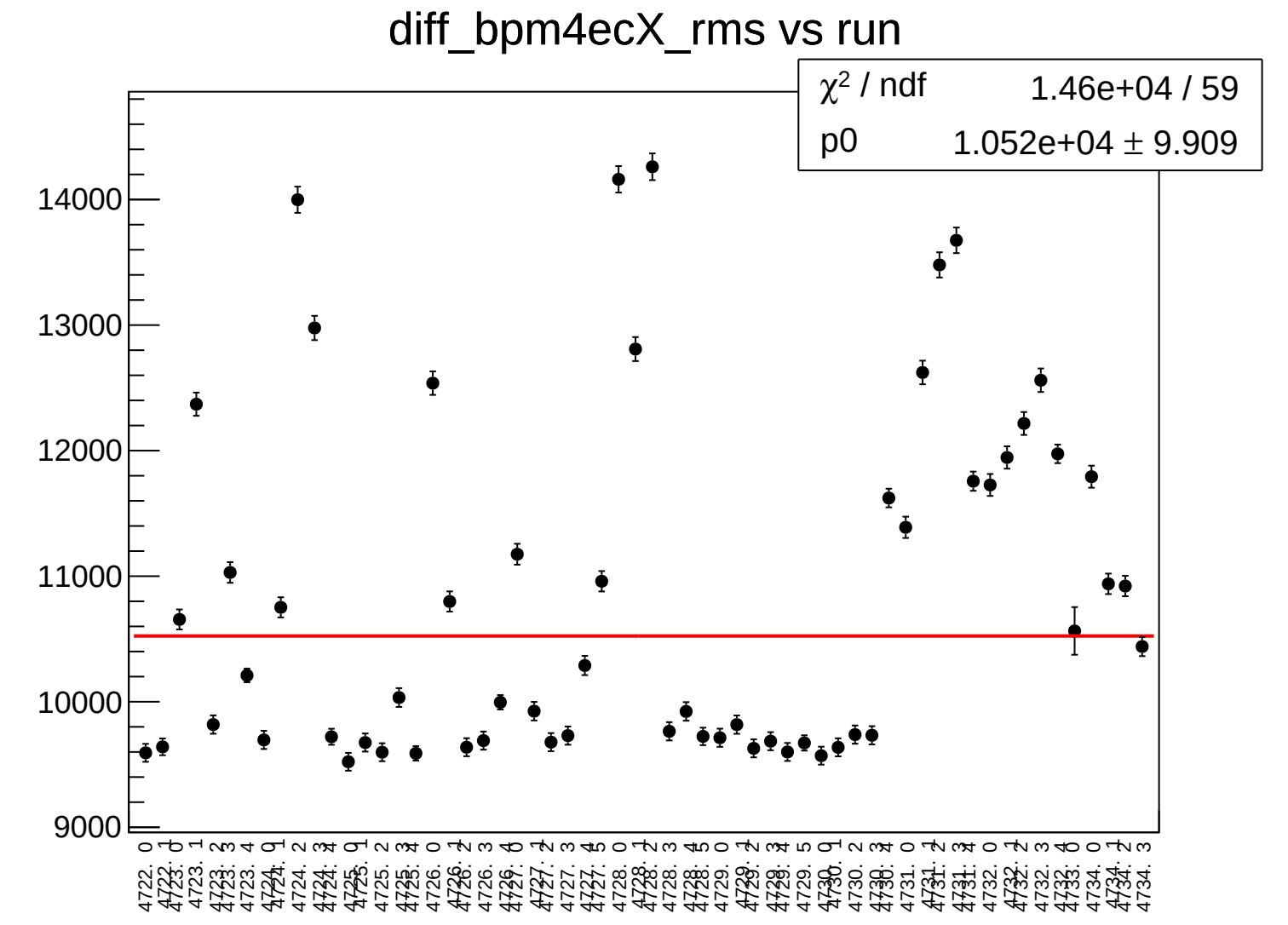

diff_bpm4acY_mean vs run
χ² / ndf 61.42 / 59
p0 −10.31 ± 4.602
pull
Entries 60
Mean 25.24
Std Dev 21.62

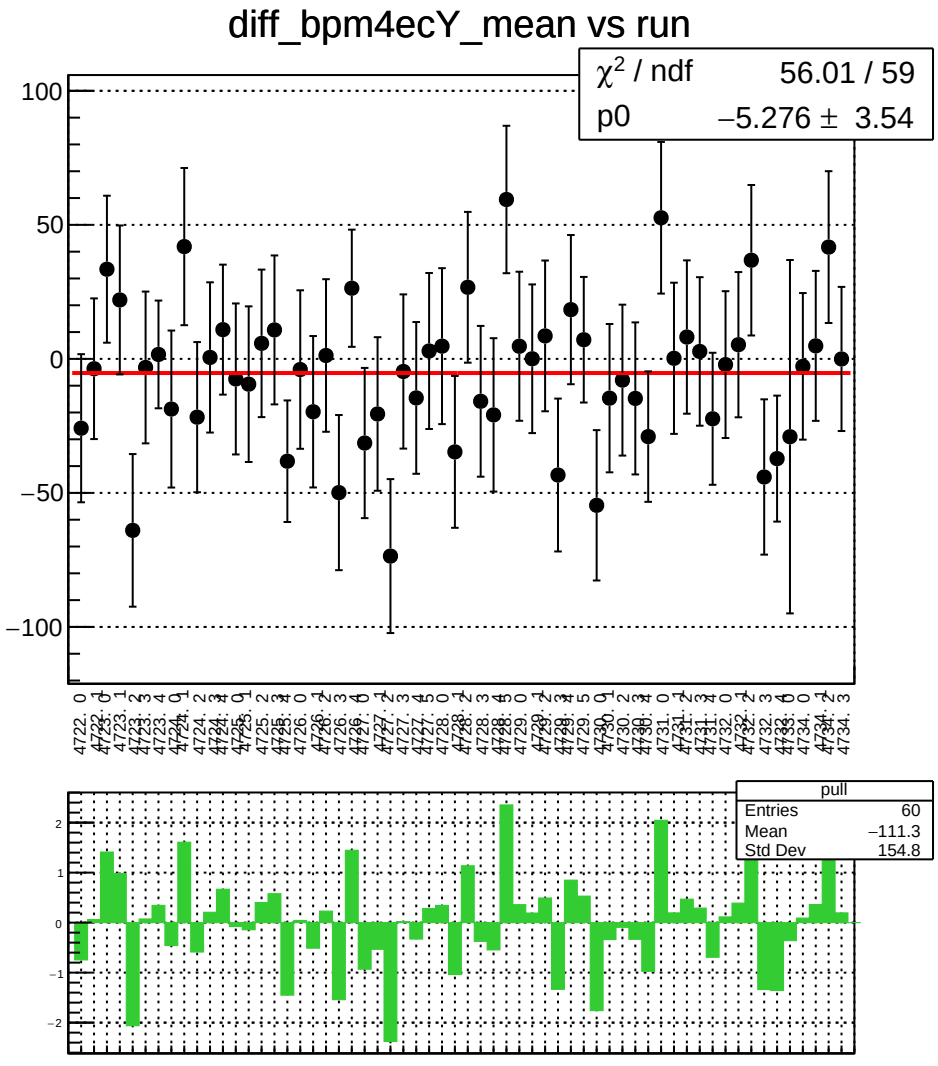

pull1D
Entries 60
Mean −0.02587
Std Dev 1.011

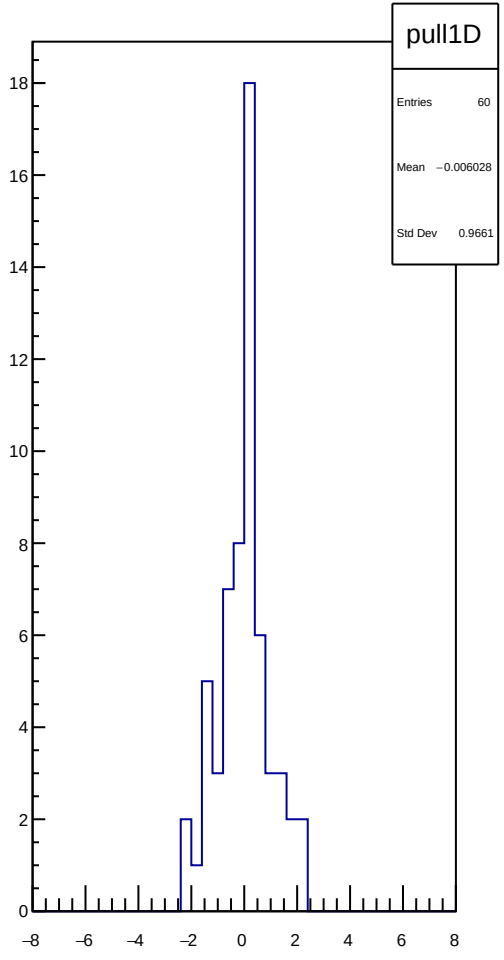

diff_bpm4acY_rms vs run
χ² / ndf 321.2 / 59
p0 3478 ± 3.254
3700
3600
3500
3400
3300
3200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

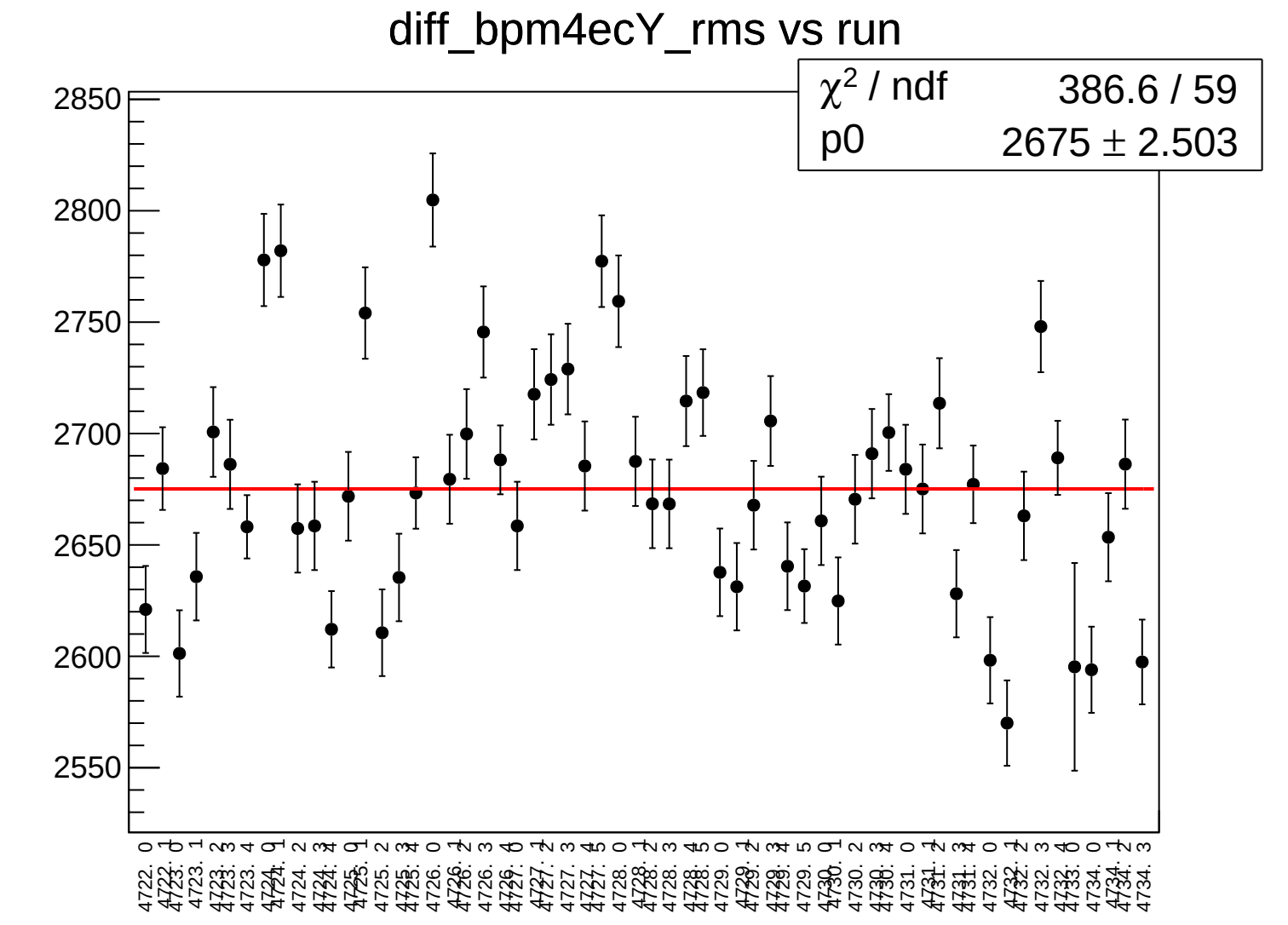

diff_bpm4ecX_mean vs run
χ² / ndf 57.81 / 59
p0 −4.039 ± 14.01
400
200
0
−200
−400
pull
Entries 60
Mean −1.331e+04
Std Dev 1.334e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

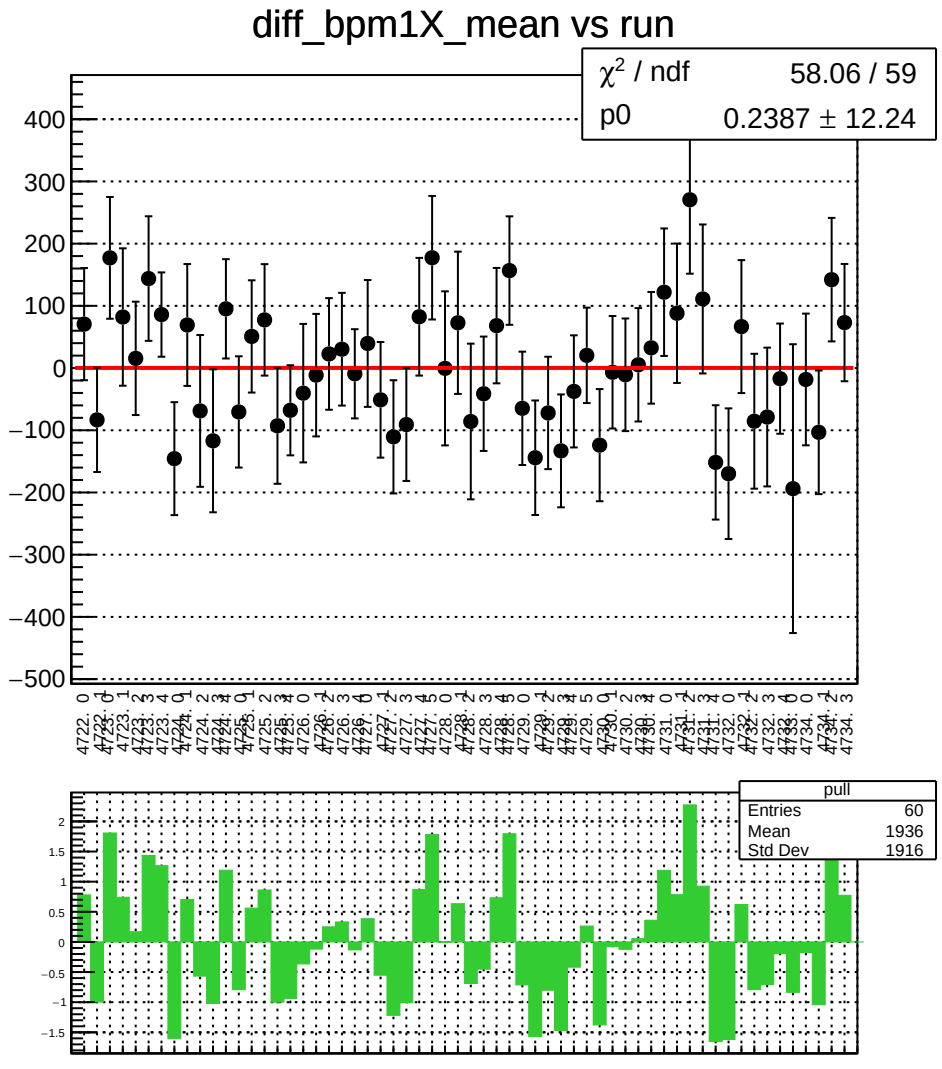

pull1D
Entries 60
Mean −0.0001851
Std Dev 0.9816
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

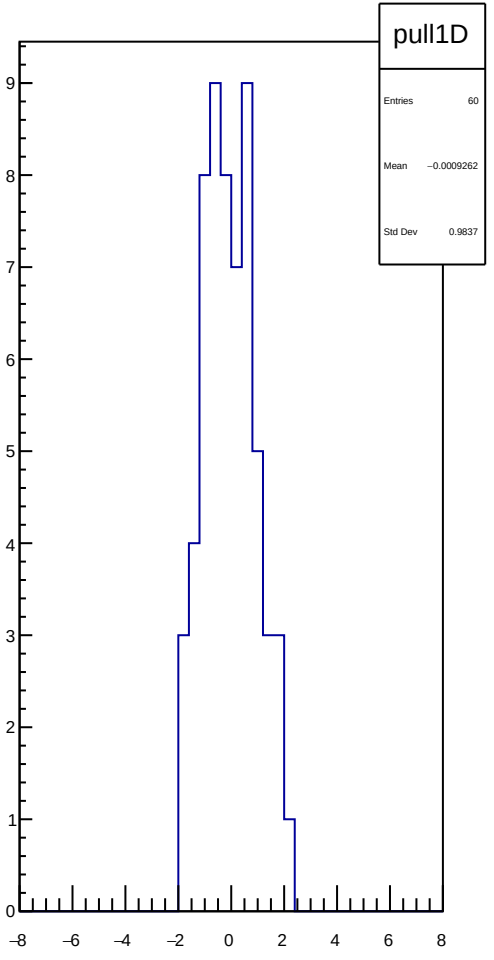

diff_bpm4ecX_rms vs run
χ² / ndf 1.46e+04 / 59
p0 1.052e+04 ± 9.909
14000
13000
12000
11000
10000
9000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

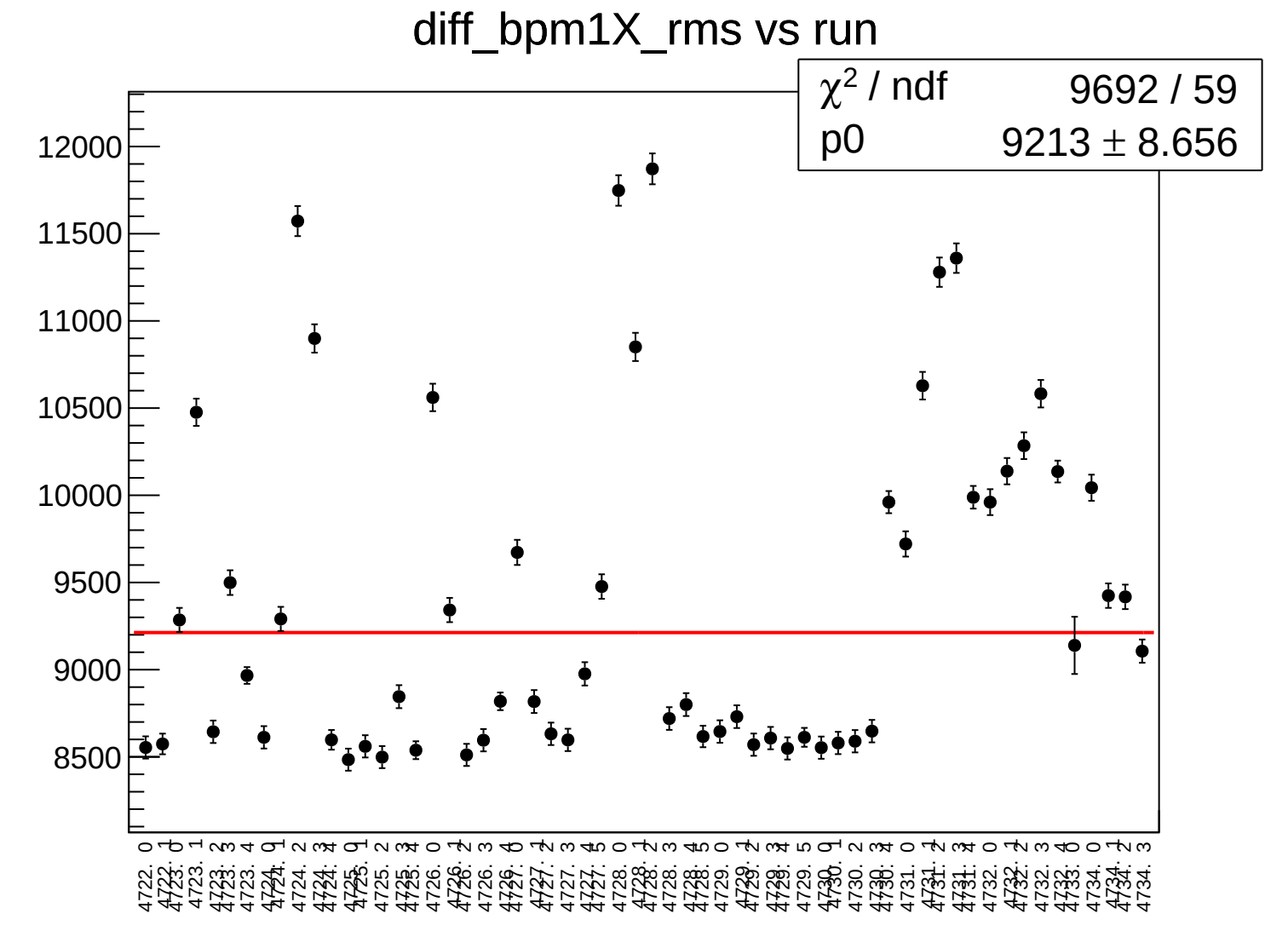

diff_bpm4ecY_mean vs run
χ² / ndf 56.01 / 59
p0 −5.276 ± 3.54
pull
Entries 60
Mean −111.3
Std Dev 154.8

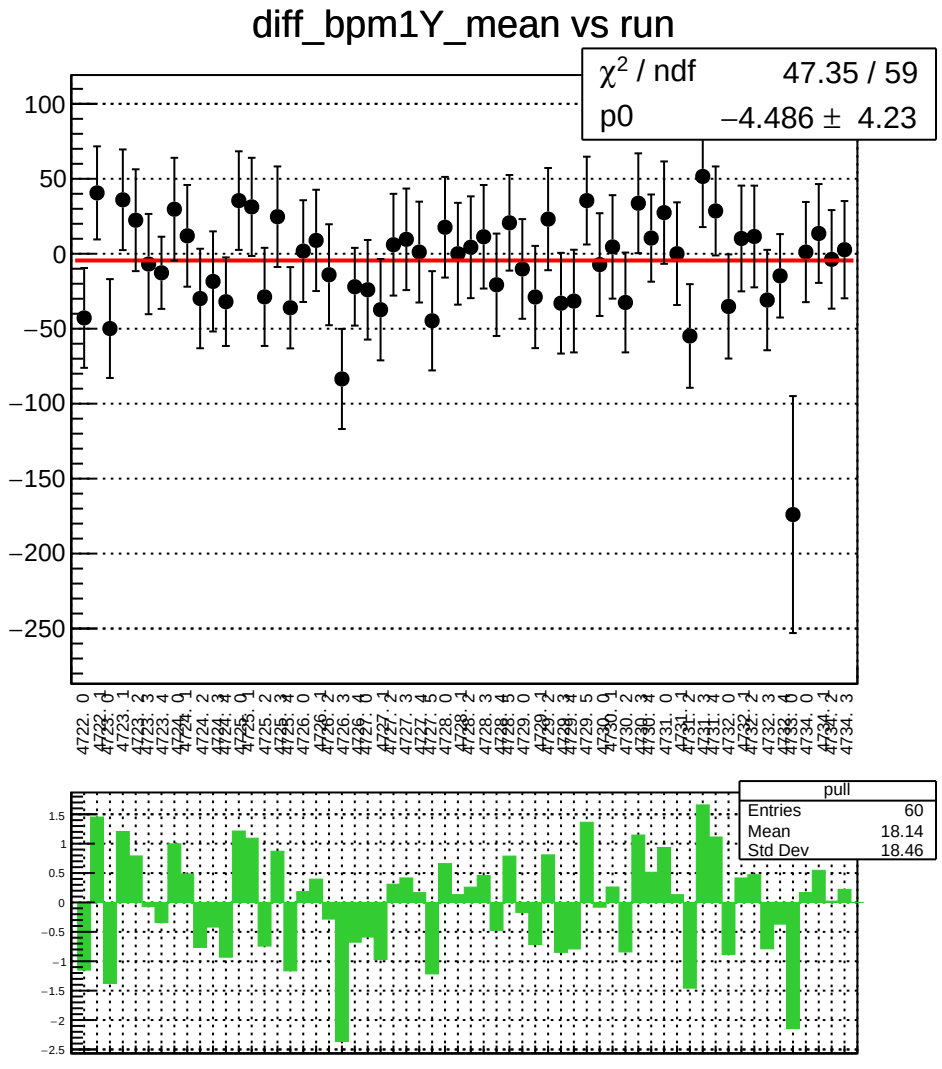

pull1D
Entries 60
Mean −0.006028
Std Dev 0.9661

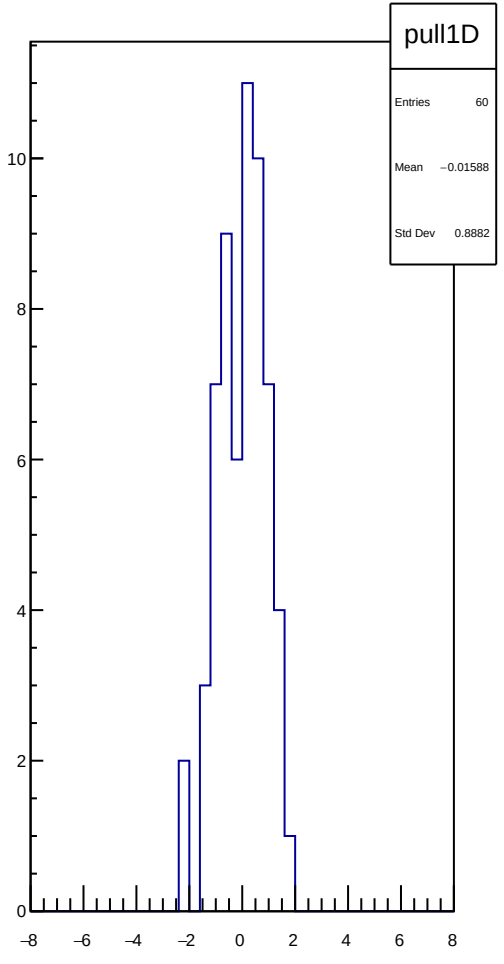

diff_bpm4ecY_rms vs run
χ² / ndf 386.6 / 59
p0 2675 ± 2.503
2850
2800
2750
2700
2650
2600
2550

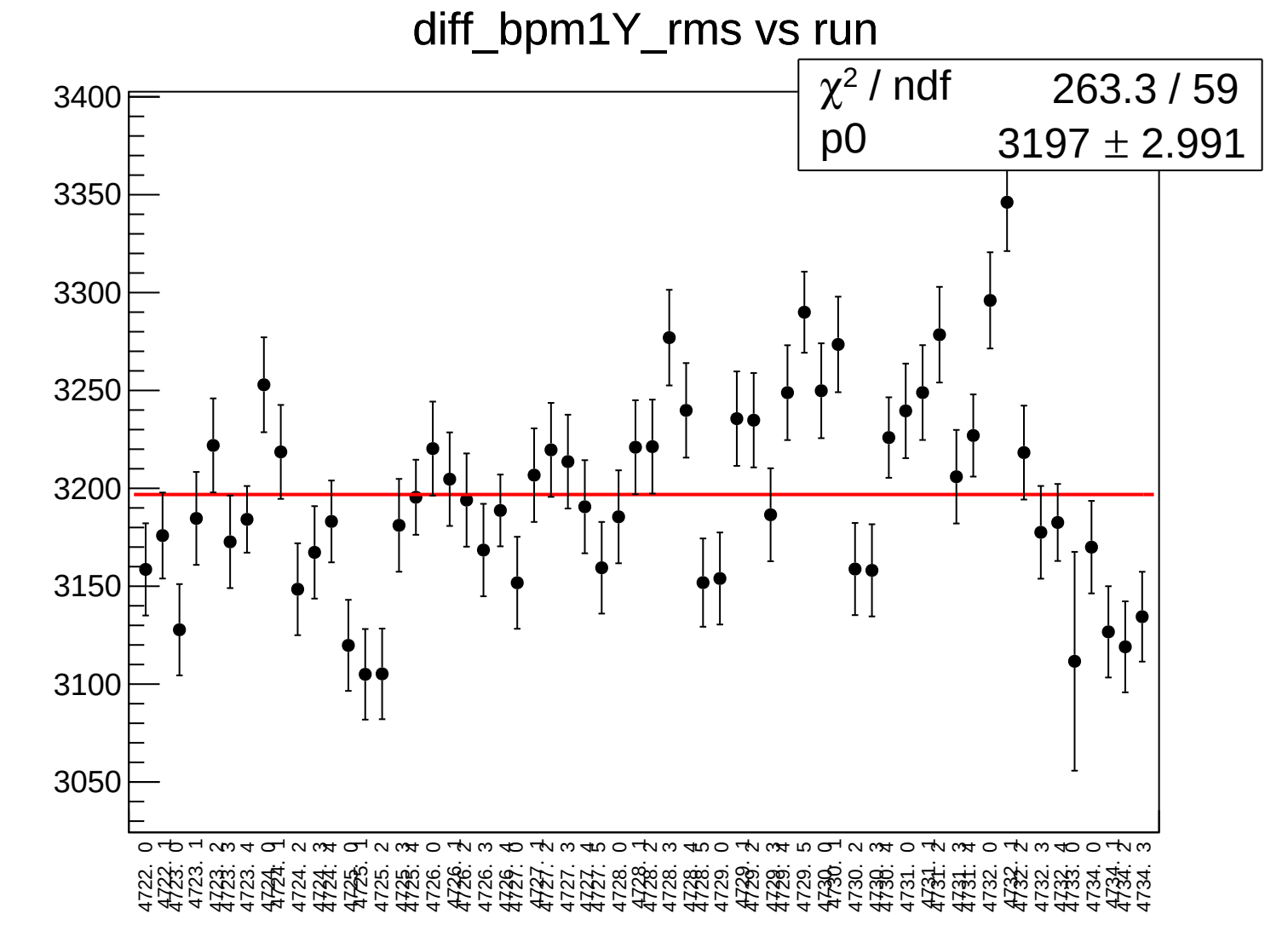

diff_bpm1X_mean vs run
χ² / ndf 58.06 / 59
p0 0.2387 ± 12.24
pull
Entries 60
Mean 1936
Std Dev 1916

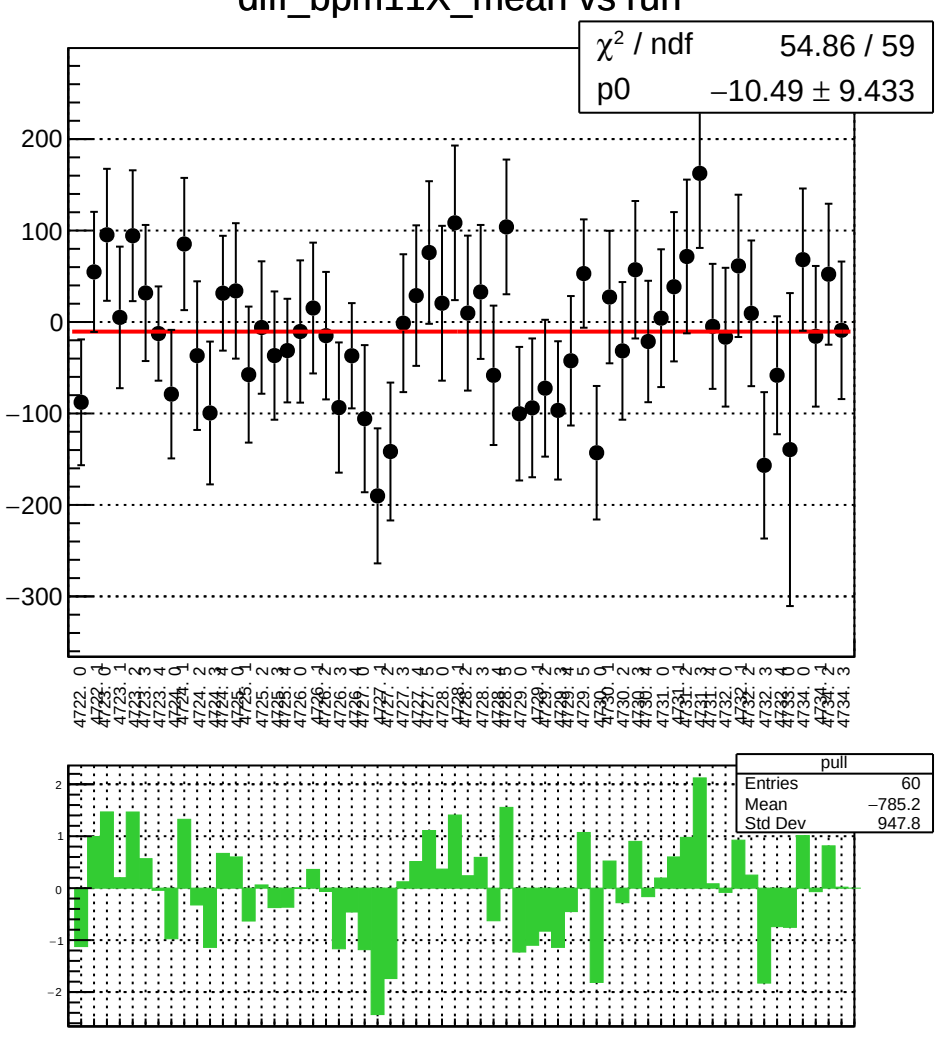

pull1D
Entries 60
Mean −0.0009262
Std Dev 0.9837

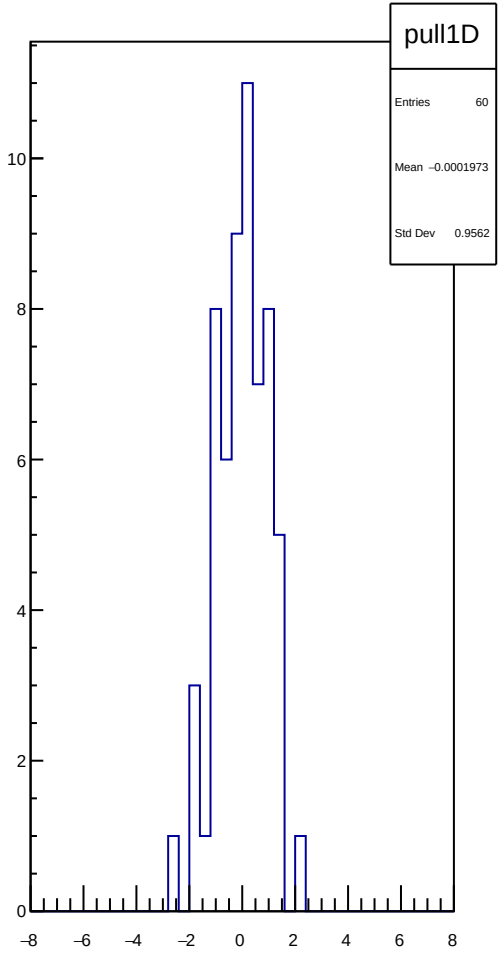

diff_bpm1X_rms vs run
χ² / ndf 9692 / 59
p0 9213 ± 8.656
12000
11500
11000
10500
10000
9500
9000
8500

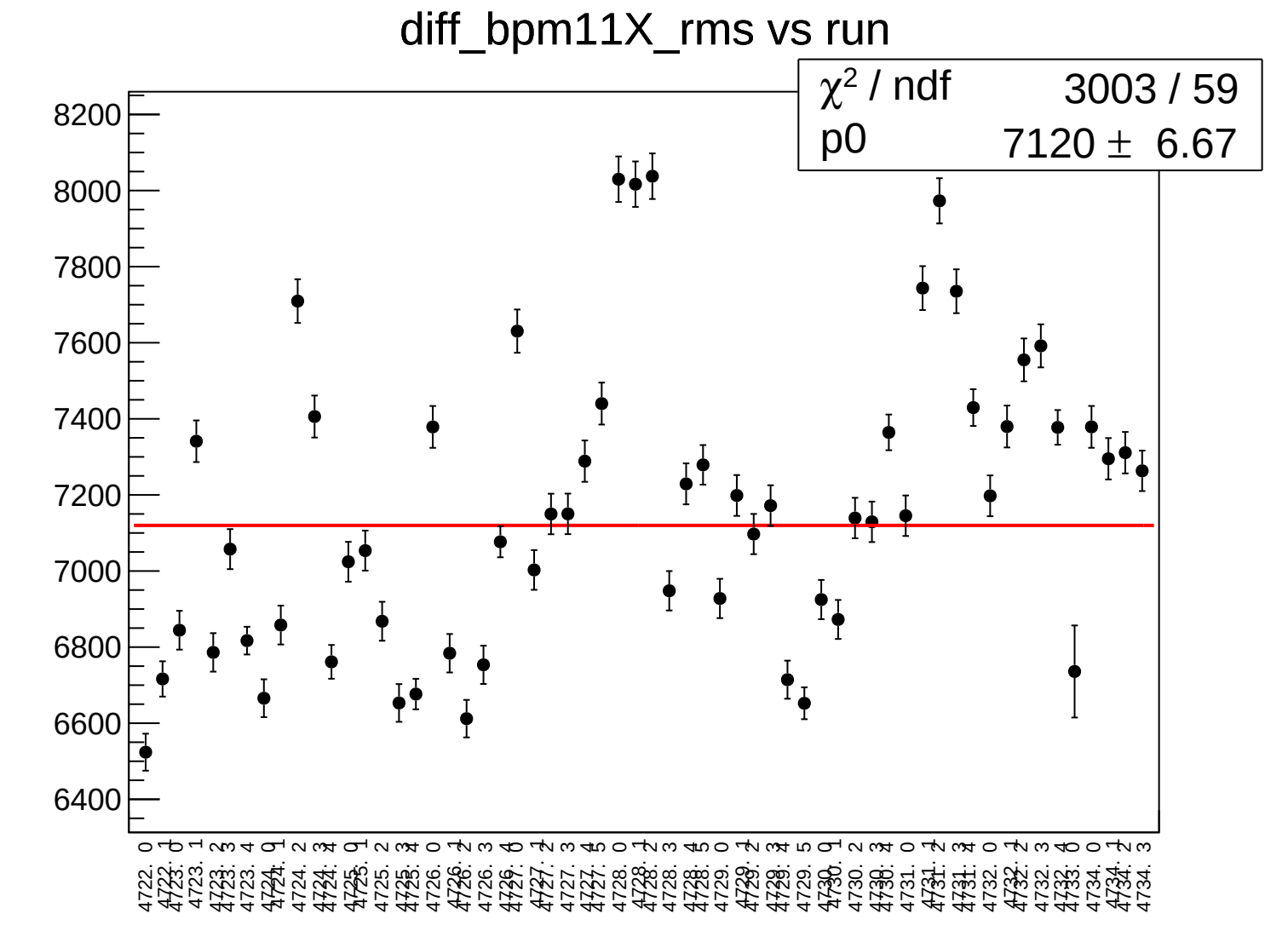

diff_bpm1Y_mean vs run
χ² / ndf 47.35 / 59
p0 −4.486 ± 4.23
pull
Entries 60
Mean 18.14
Std Dev 18.46

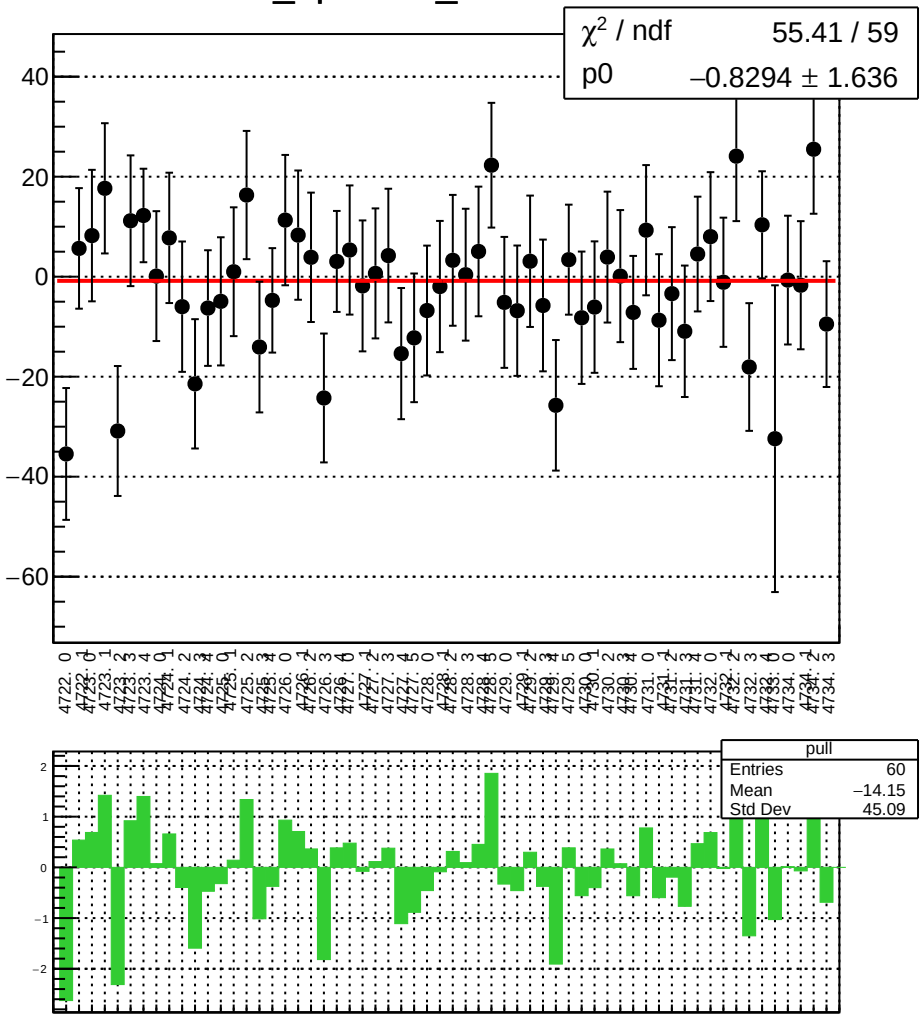

pull1D
Entries 60
Mean −0.01588
Std Dev 0.8882

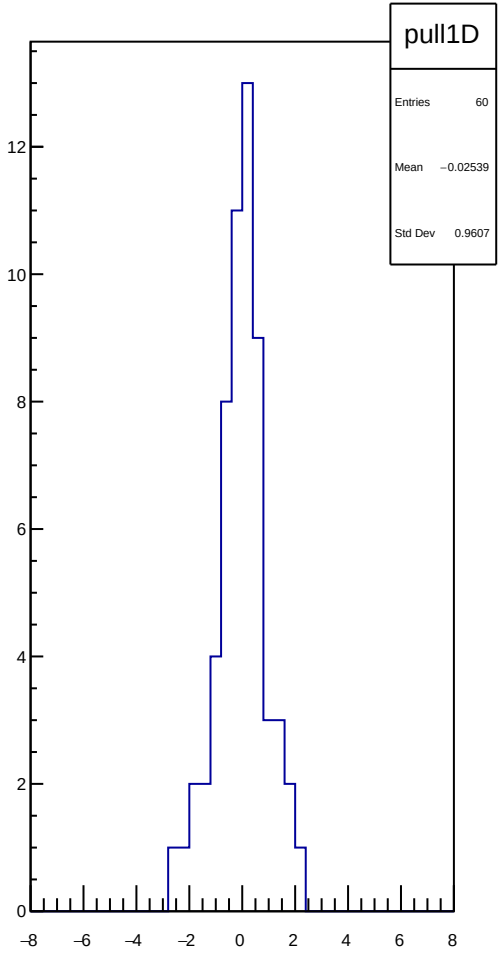

diff_bpm1Y_rms vs run
χ² / ndf 263.3 / 59
p0 3197 ± 2.991
3400
3350
3300
3250
3200
3150
3100
3050
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

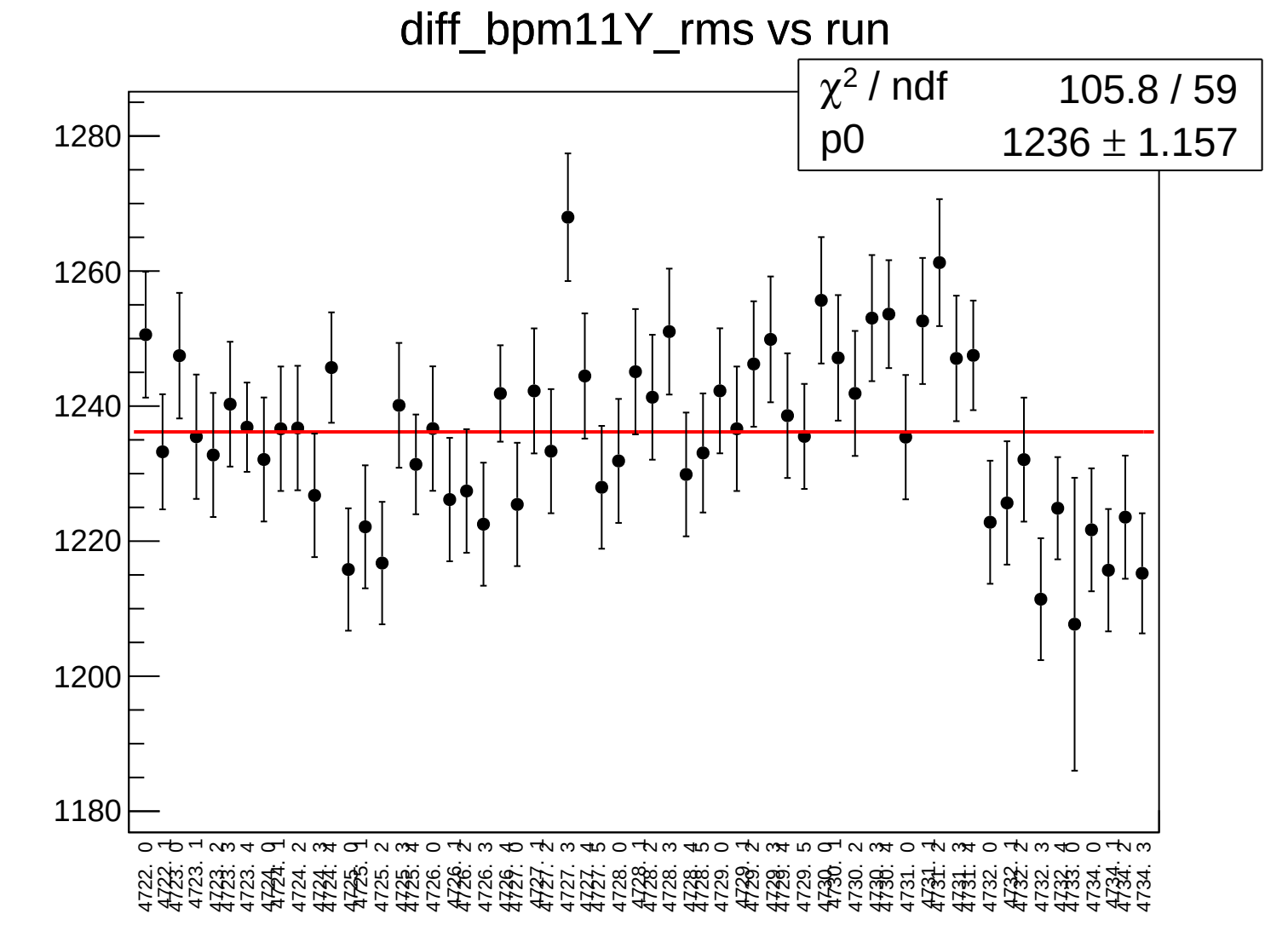

diff_bpm11X_mean vs run
χ² / ndf 54.86 / 59
p0 −10.49 ± 9.433
200
100
0
−100
−200
−300
pull
Entries 60
Mean −785.2
Std Dev 947.8
2
1
0
−1
−2

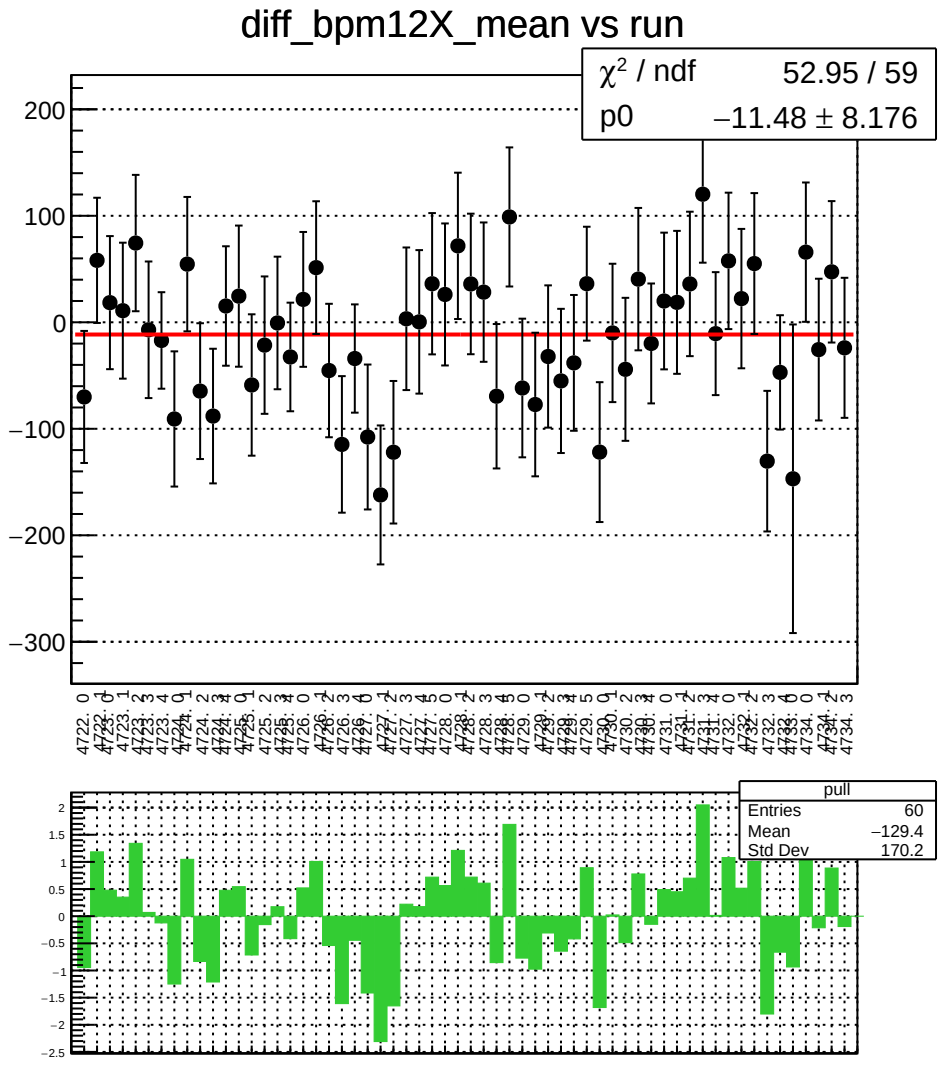

pull1D
Entries 60
Mean −0.0001973
Std Dev 0.9562
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

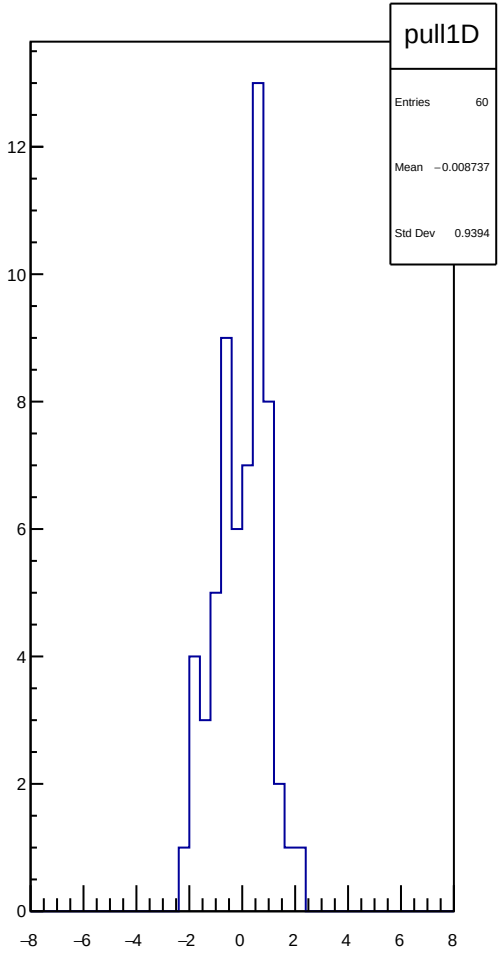

diff_bpm11X_rms vs run
χ² / ndf 3003 / 59
p0 7120 ± 6.67
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

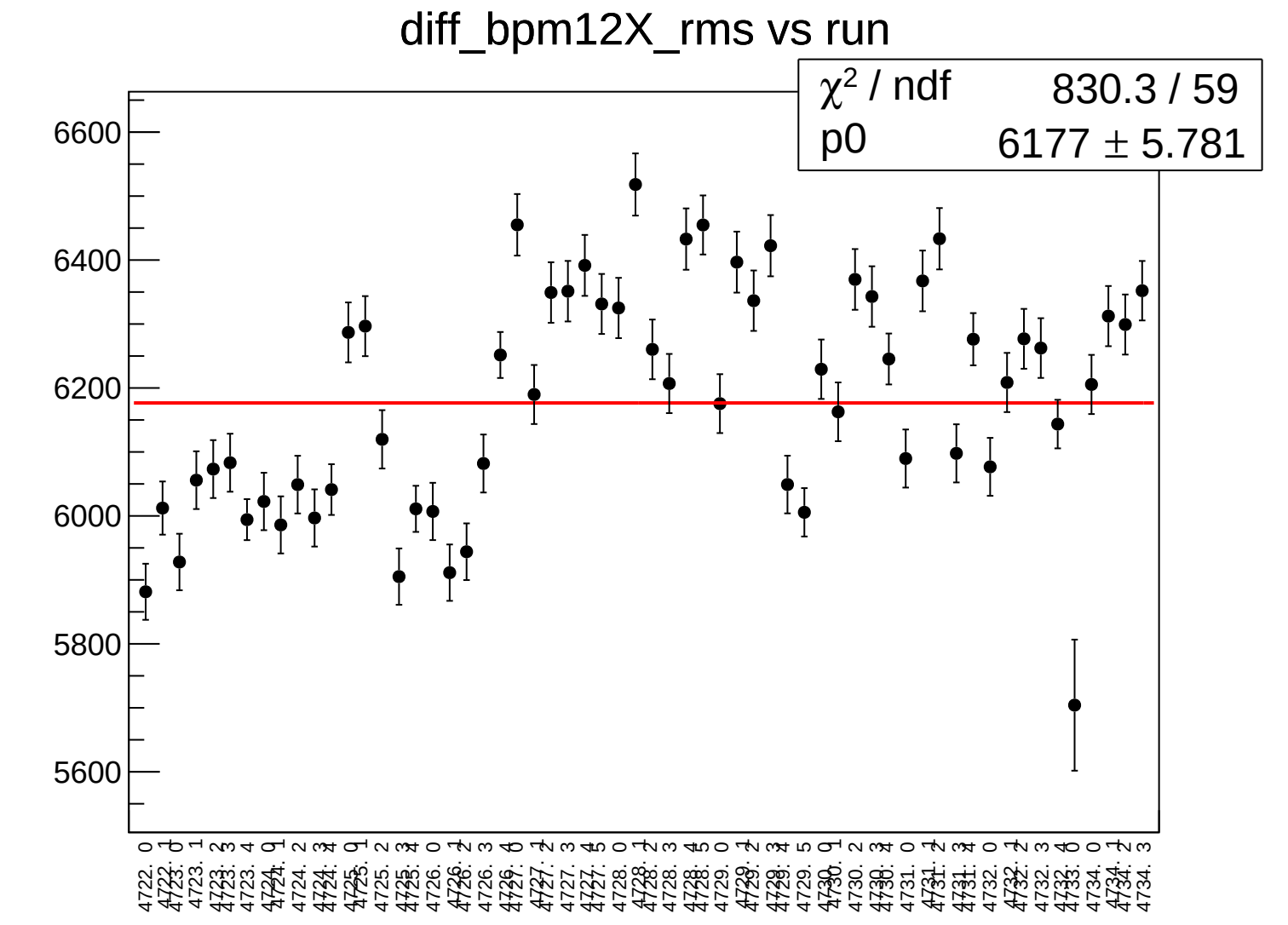

diff_bpm11Y_mean vs run
χ² / ndf 55.41 / 59
p0 −0.8294 ± 1.636
pull
Entries 60
Mean −14.15
Std Dev 45.09

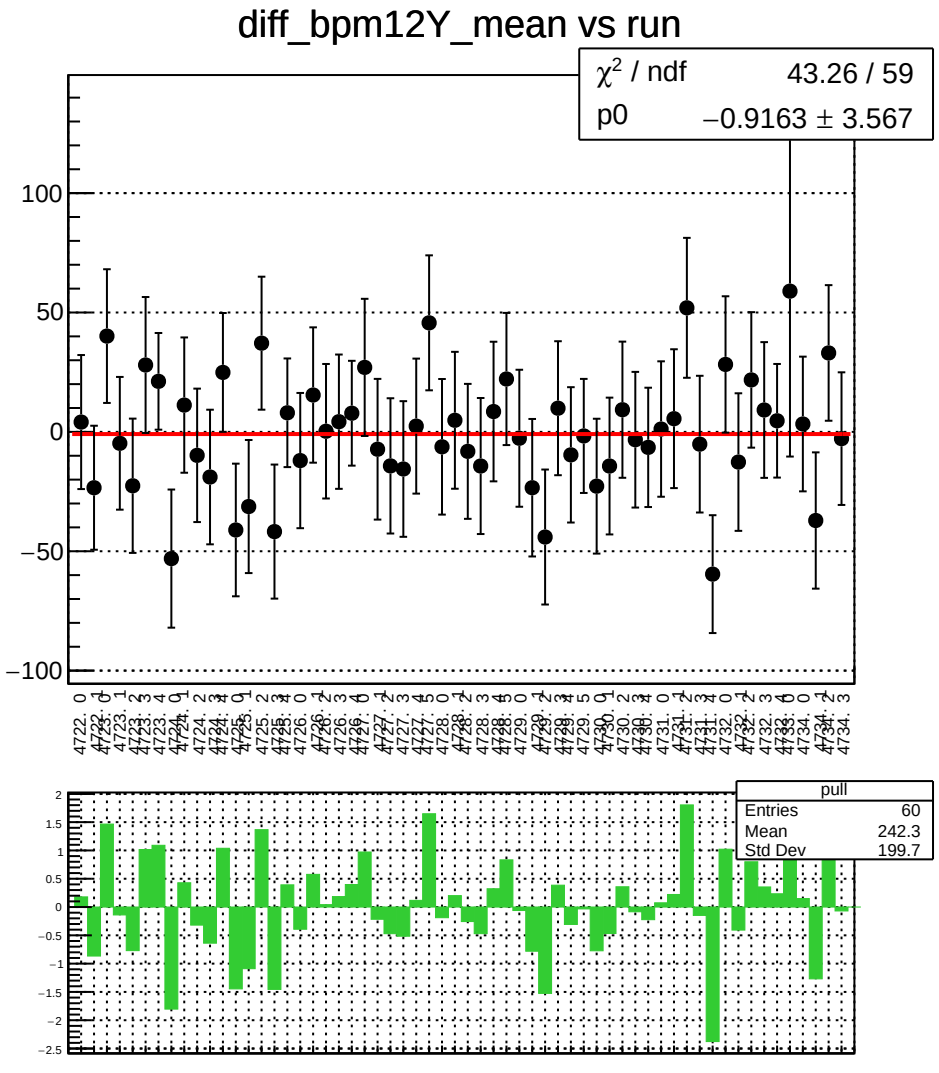

pull1D
Entries 60
Mean −0.02539
Std Dev 0.9607

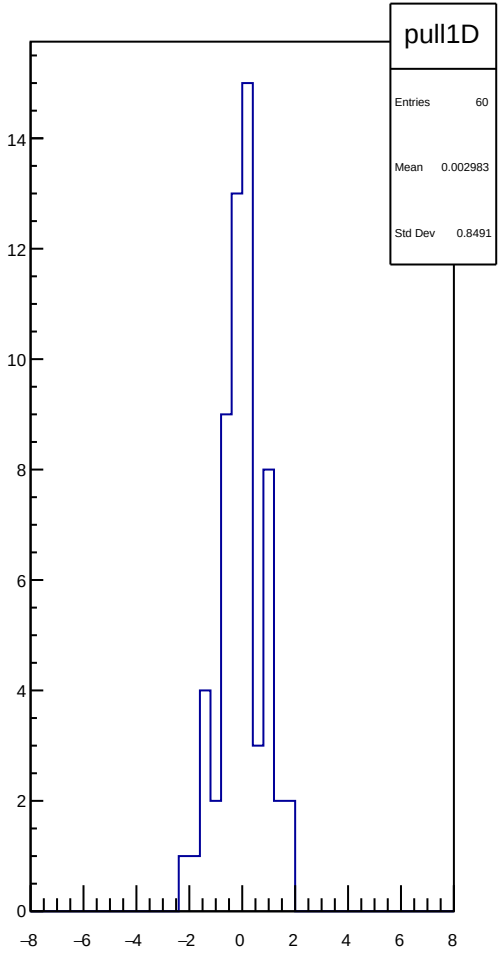

diff_bpm11Y_rms vs run
χ² / ndf 105.8 / 59
p0 1236 ± 1.157
1280
1260
1240
1220
1200
1180

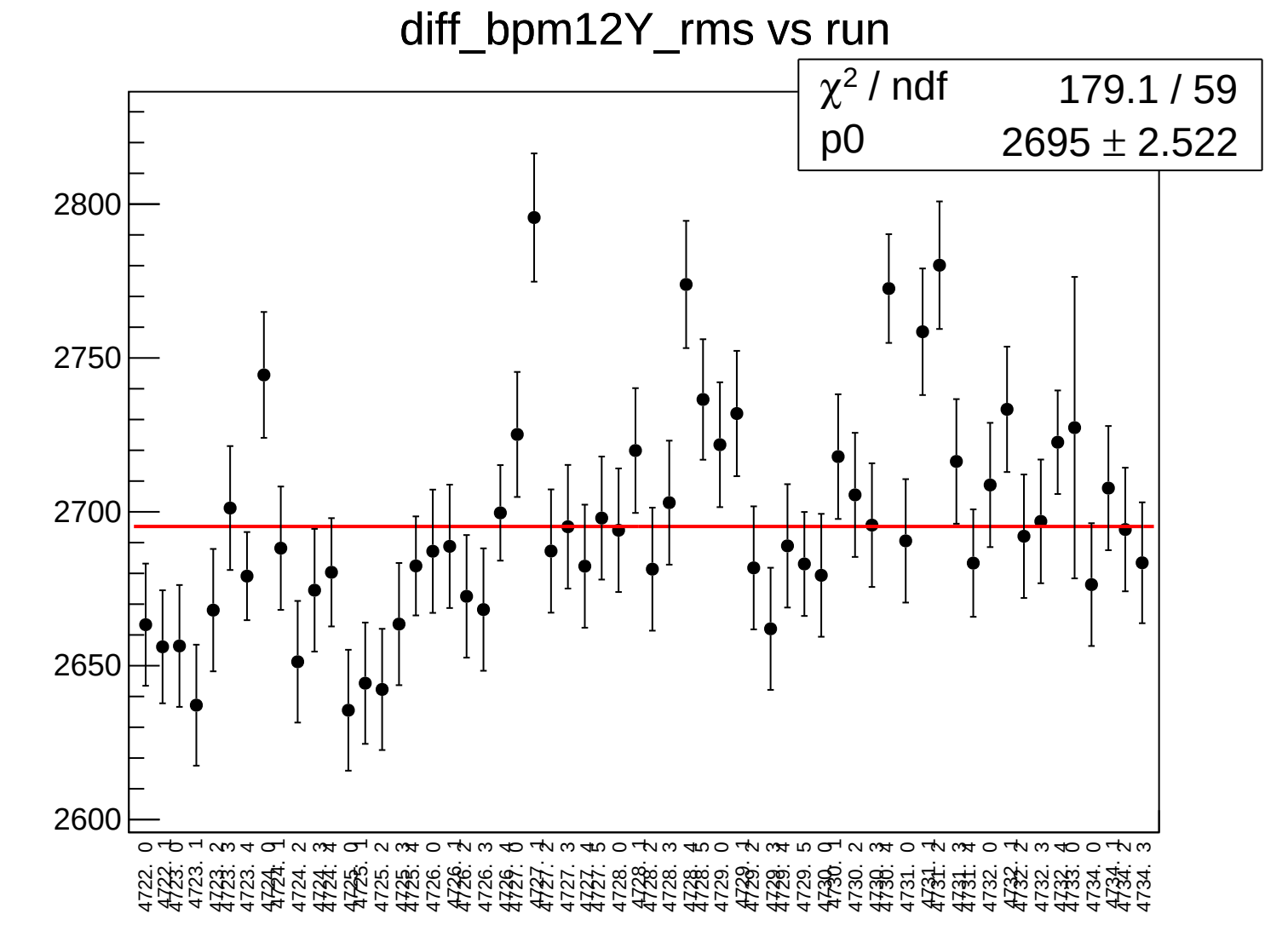

diff_bpm12X_mean vs run
χ² / ndf 52.95 / 59
p0 −11.48 ± 8.176
pull
Entries 60
Mean −129.4
Std Dev 170.2

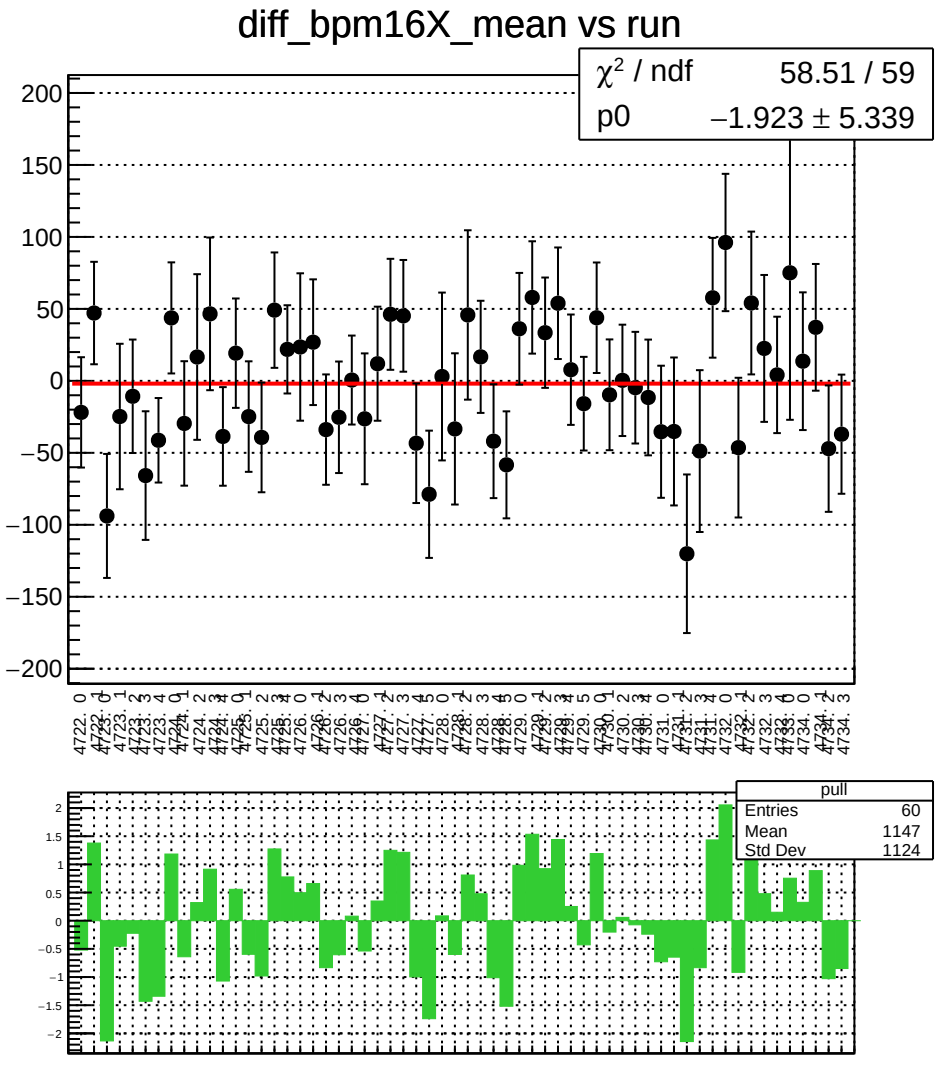

pull1D
Entries 60
Mean −0.008737
Std Dev 0.9394

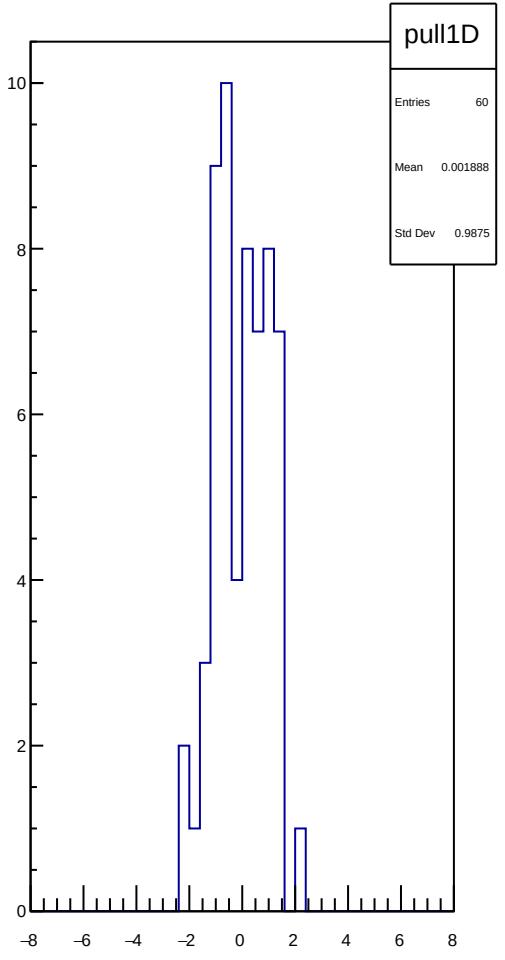

diff_bpm12X_rms vs run
χ² / ndf 830.3 / 59
p0 6177 ± 5.781
6600
6400
6200
6000
5800
5600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

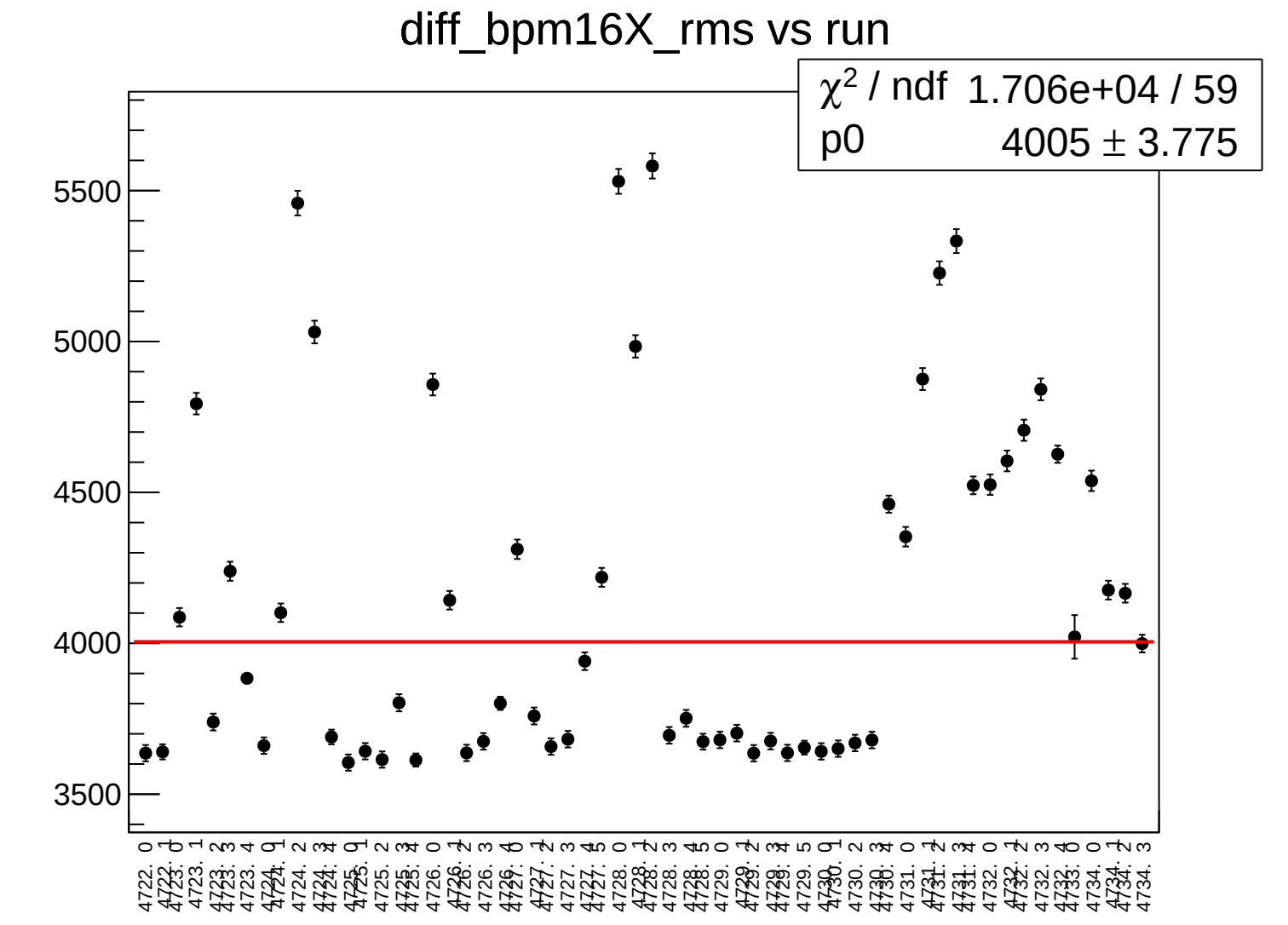

diff_bpm12Y_mean vs run
χ² / ndf 43.26 / 59
p0 −0.9163 ± 3.567
pull
Entries 60
Mean 242.3
Std Dev 199.7

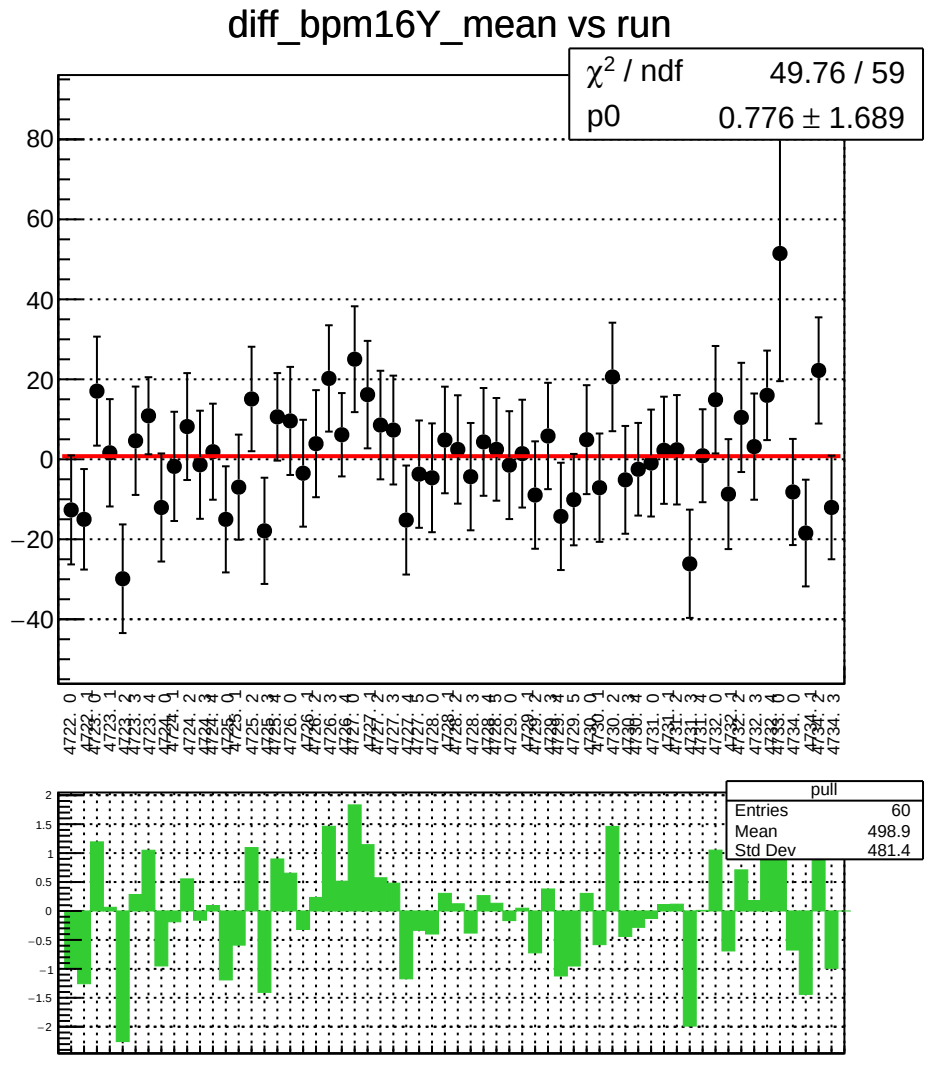

pull1D
Entries 60
Mean 0.002983
Std Dev 0.8491

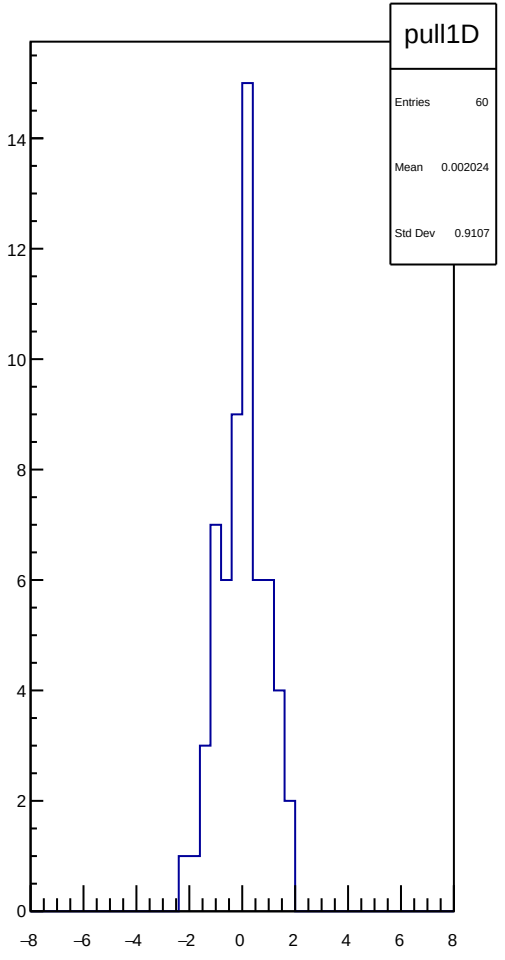

diff_bpm12Y_rms vs run
χ² / ndf 179.1 / 59
p0 2695 ± 2.522
2800
2750
2700
2650
2600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

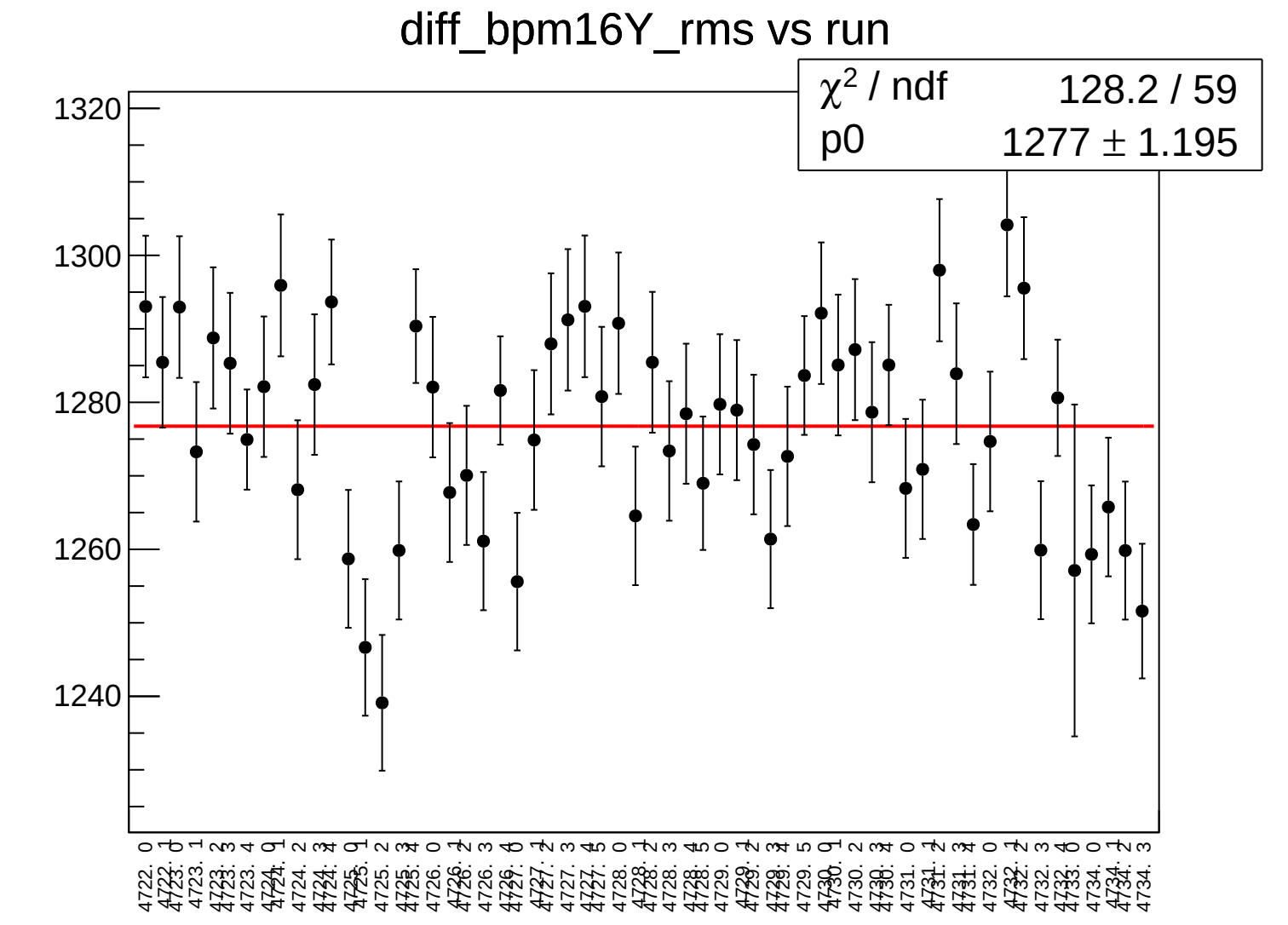

diff_bpm16X_mean vs run
χ² / ndf 58.51 / 59
p0 −1.923 ± 5.339
pull
Entries 60
Mean 1147
Std Dev 1124

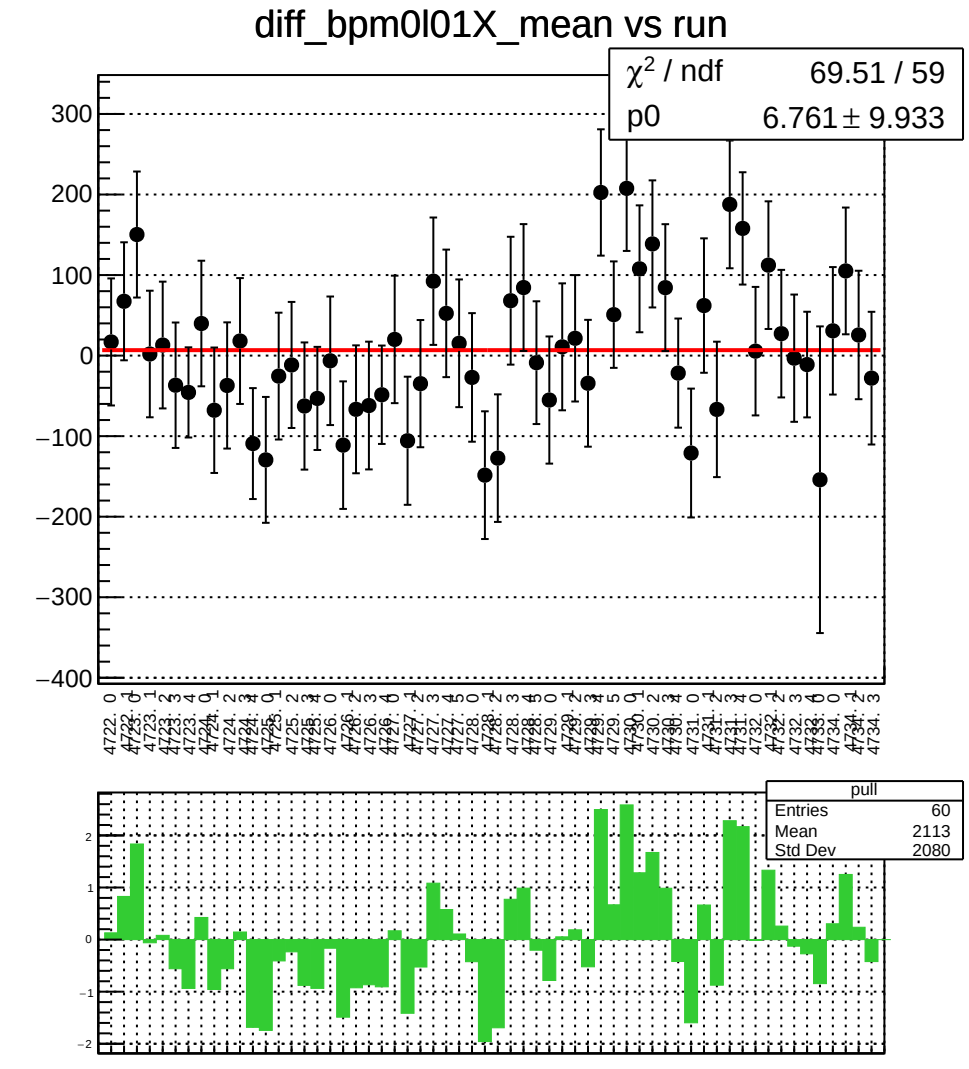

pull1D
Entries 60
Mean 0.001888
Std Dev 0.9875

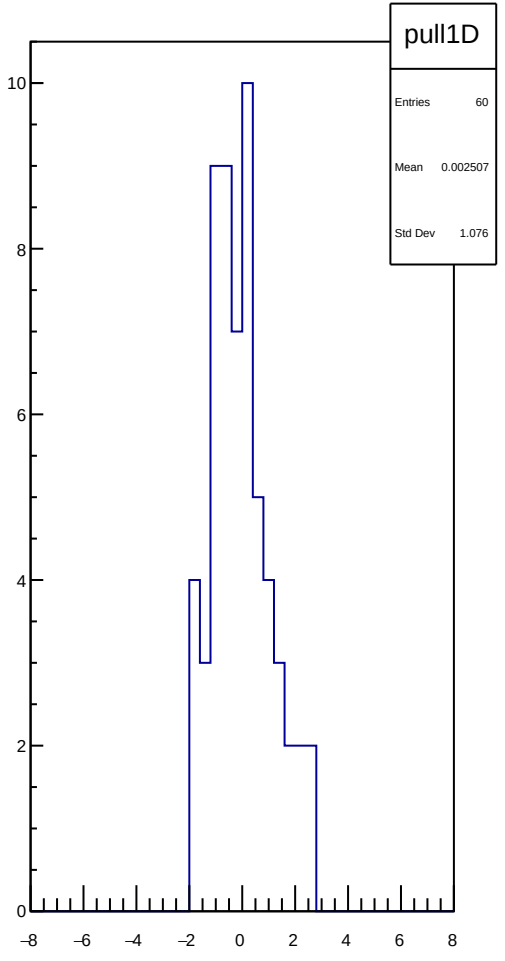

diff_bpm16X_rms vs run
χ² / ndf 1.706e+04 / 59
p0 4005 ± 3.775
5500
5000
4500
4000
3500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

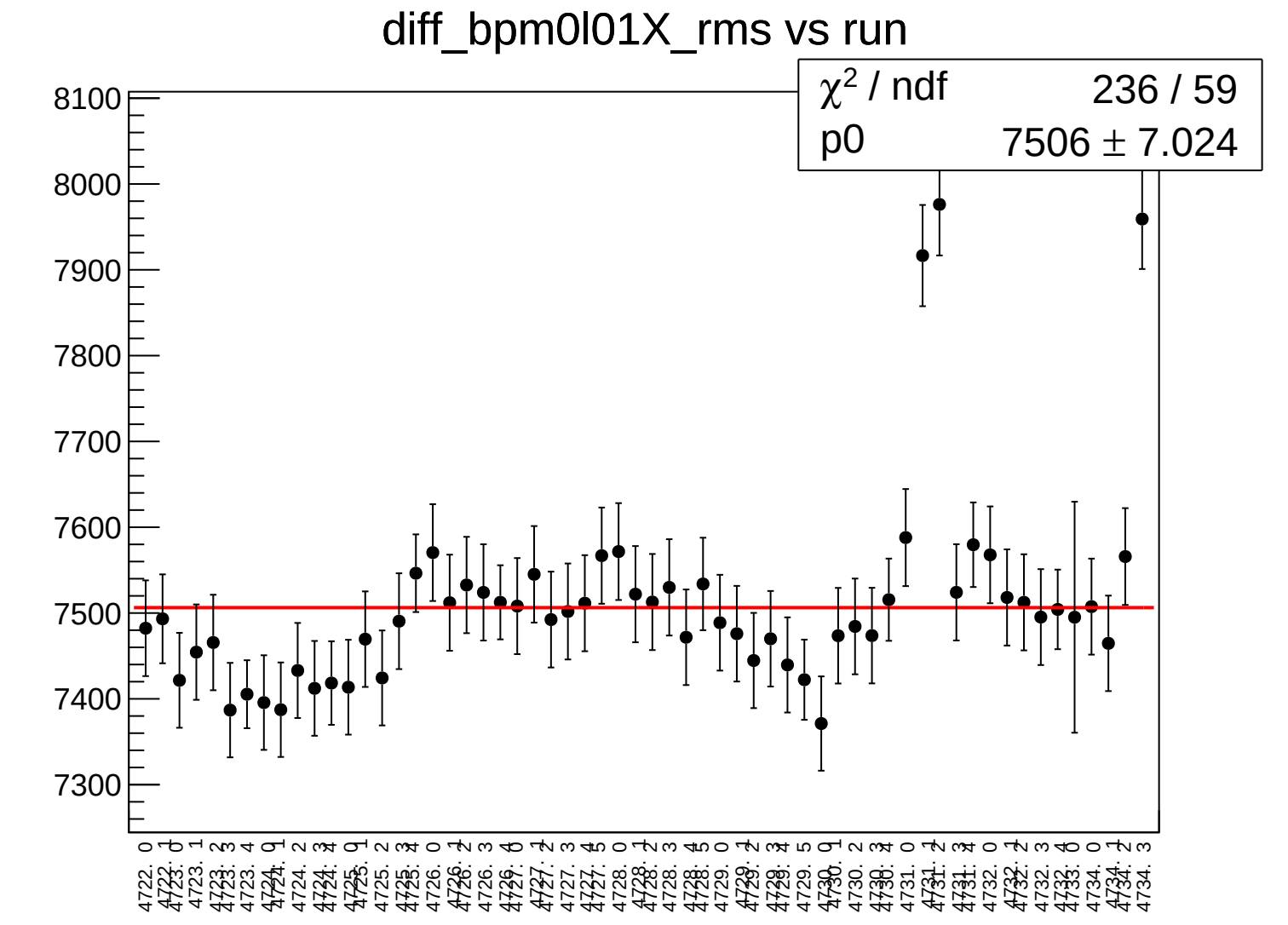

diff_bpm16Y_mean vs run
χ² / ndf 49.76 / 59
p0 0.776 ± 1.689
pull
Entries 60
Mean 498.9
Std Dev 481.4

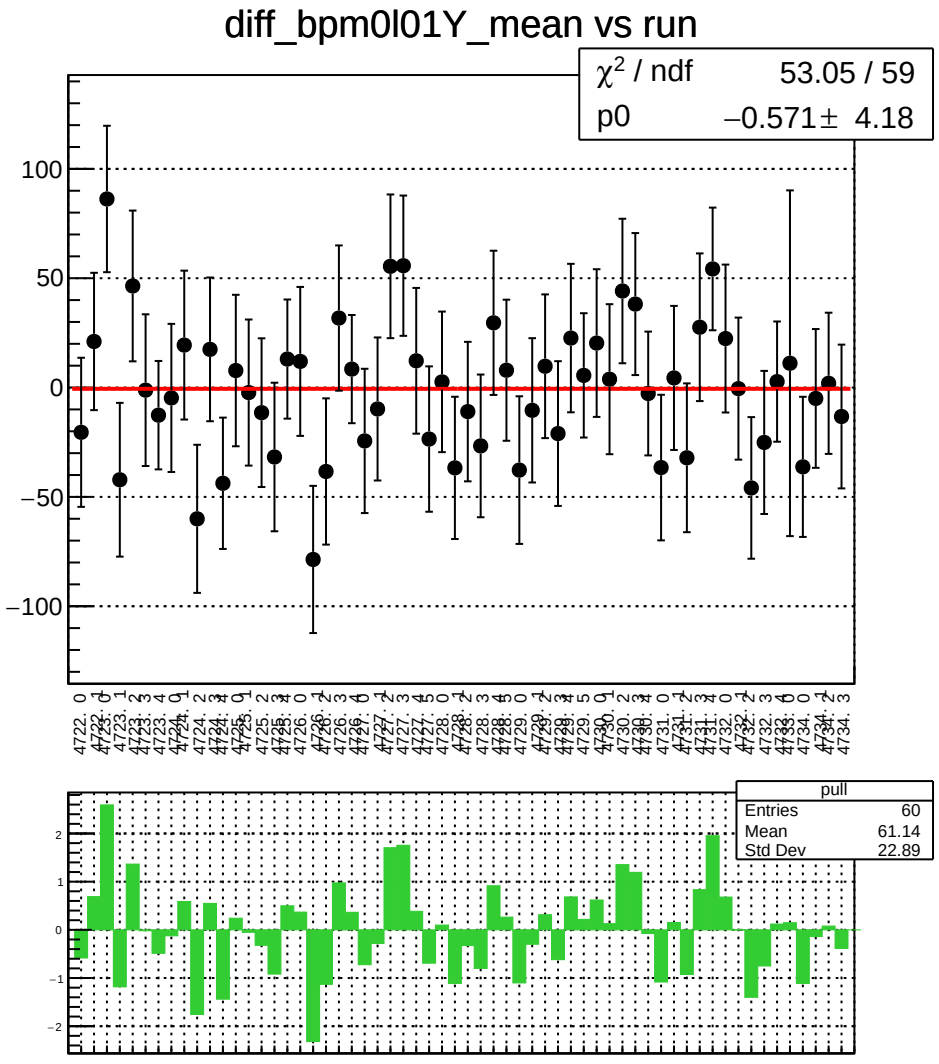

pull1D
Entries 60
Mean 0.002024
Std Dev 0.9107

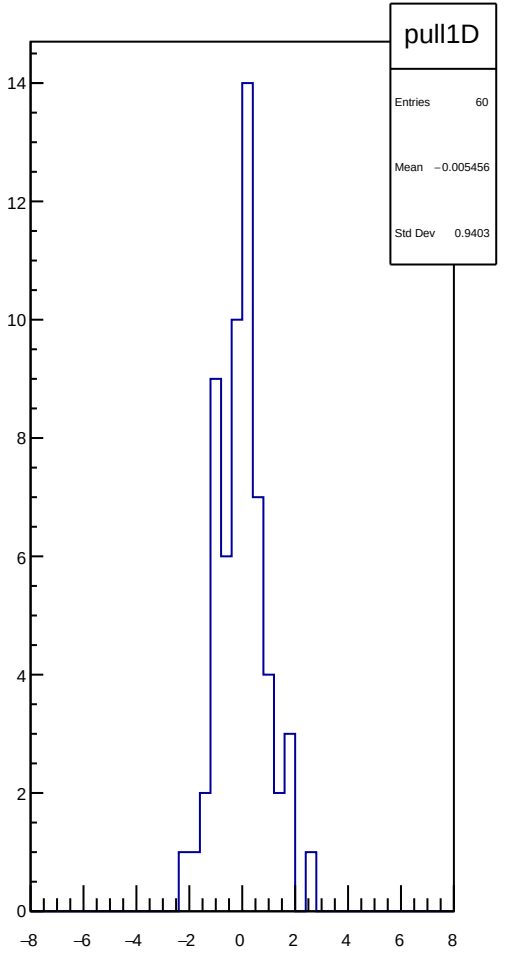

diff_bpm16Y_rms vs run
χ² / ndf 128.2 / 59
p0 1277 ± 1.195
1320
1300
1280
1260
1240
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4726. 5
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

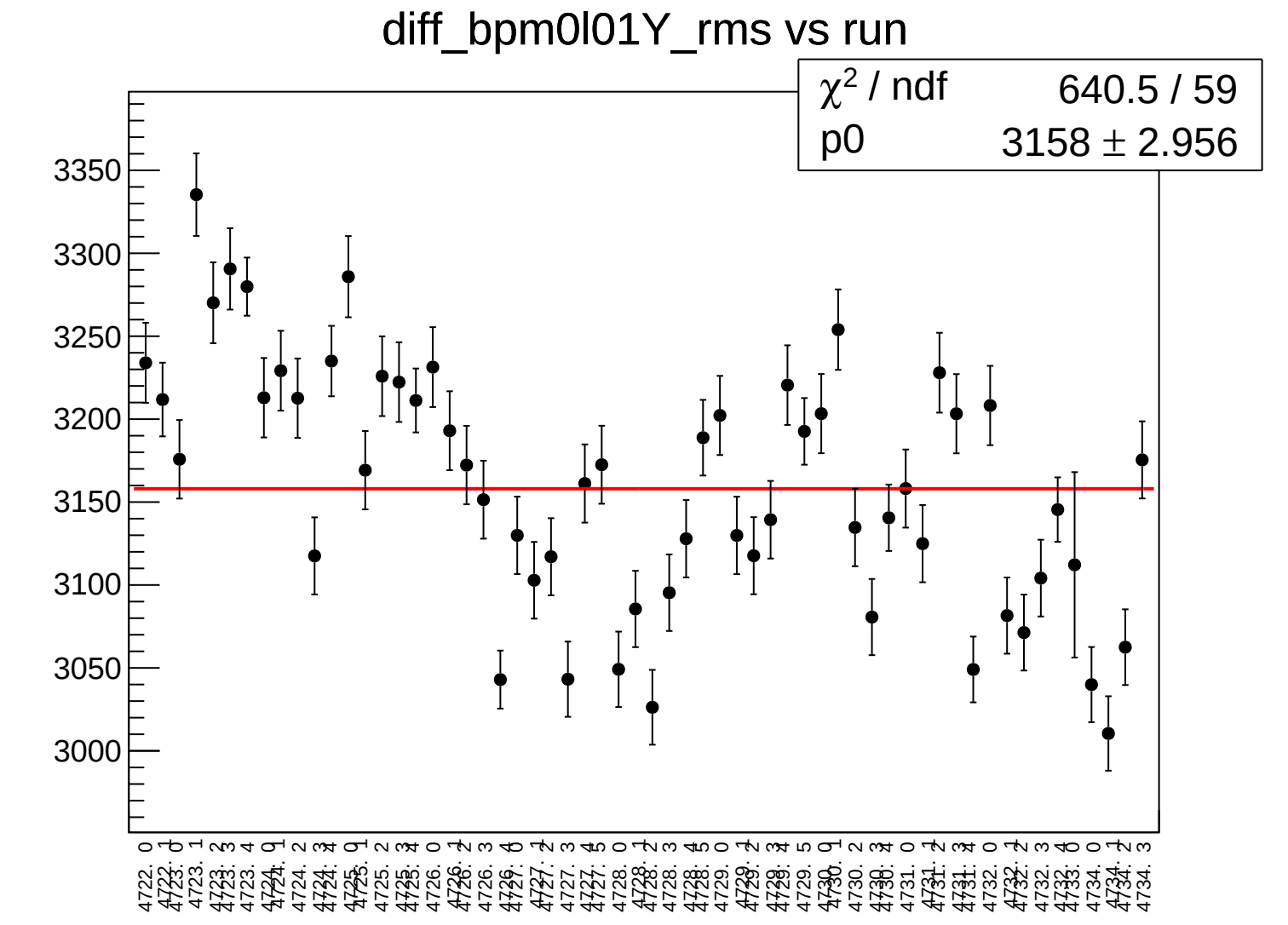

diff_bpm0l01X_mean vs run
χ^2 / ndf 69.51 / 59
p0 6.761 ± 9.933
pull
Entries 60
Mean 2113
Std Dev 2080

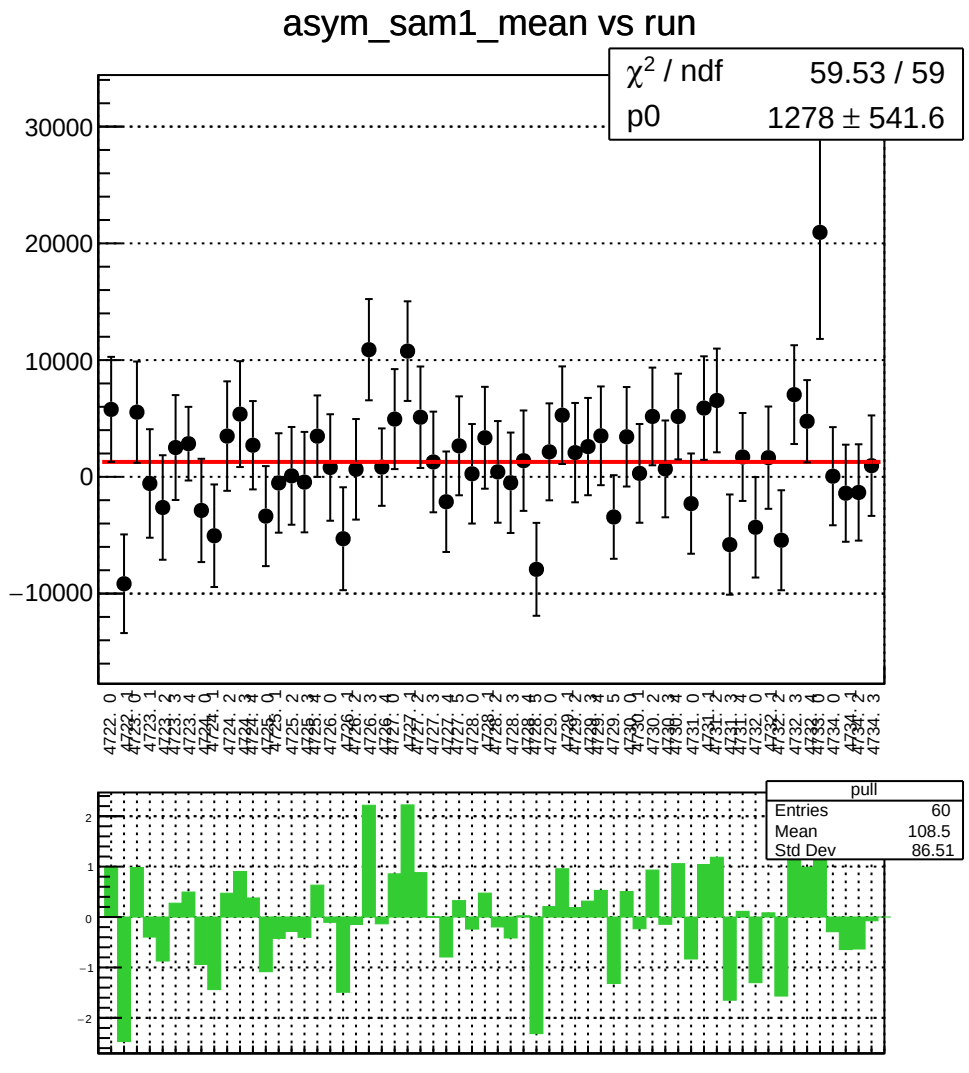

pull1D
Entries 60
Mean 0.002507
Std Dev 1.076

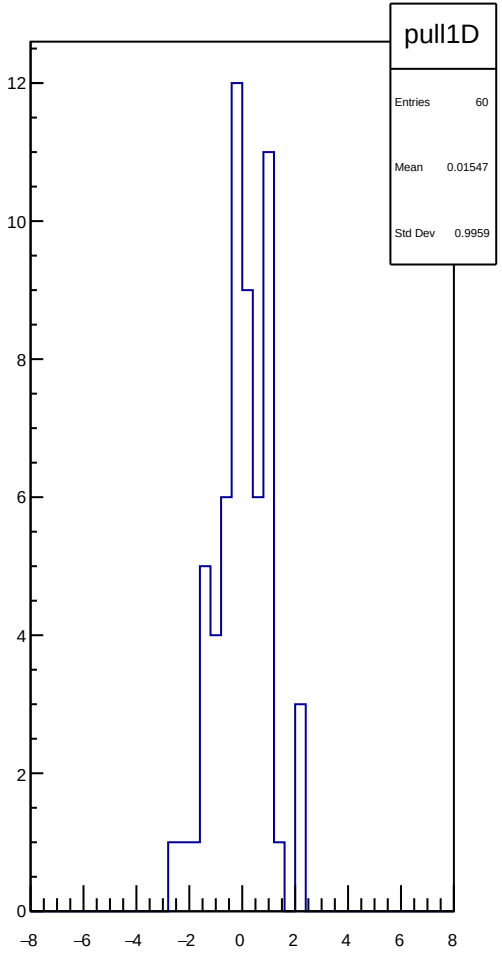

diff_bpm0l01X_rms vs run
χ² / ndf 236 / 59
p0 7506 ± 7.024
8100
8000
7900
7800
7700
7600
7500
7400
7300

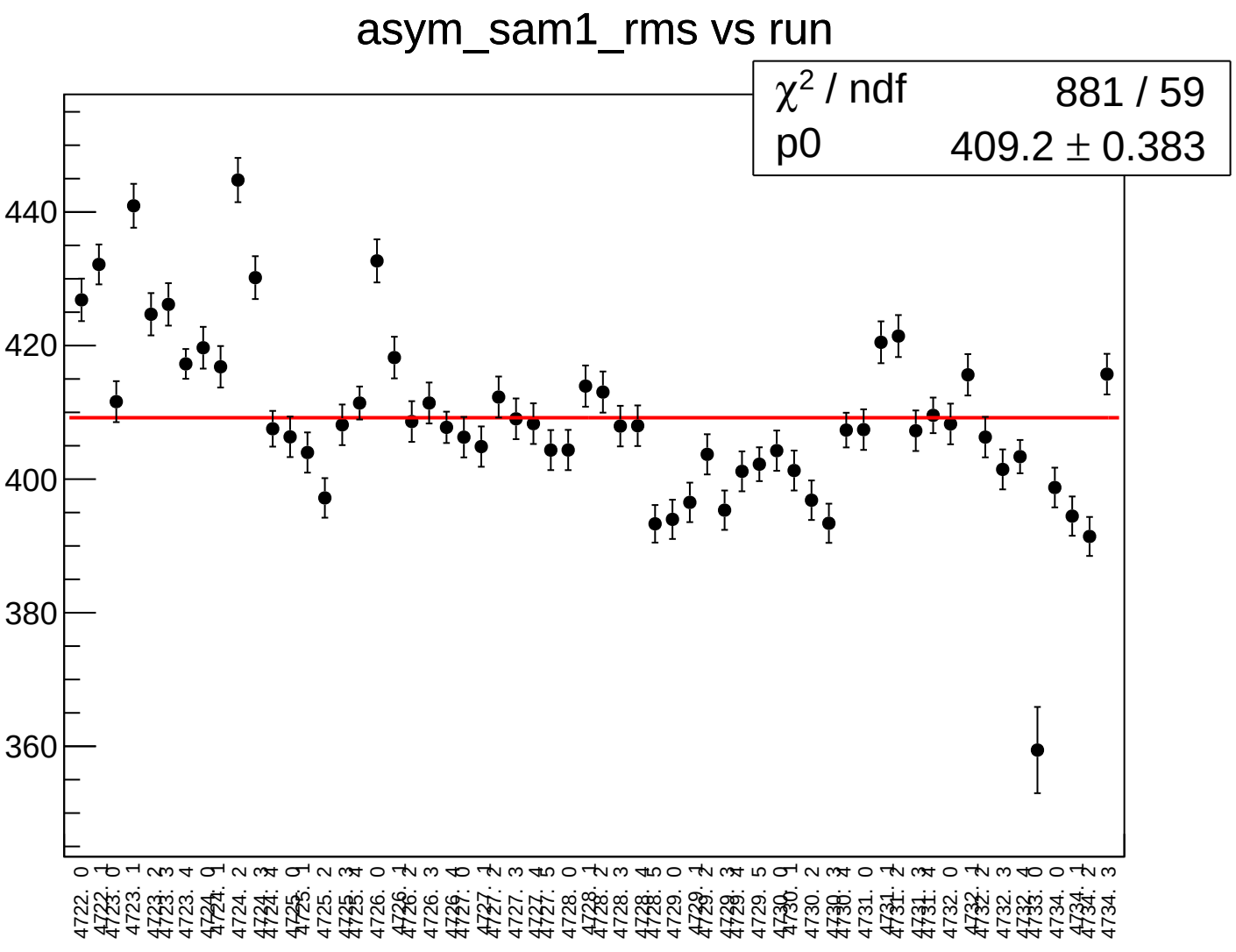

diff_bpm0l01Y_mean vs run
χ² / ndf 53.05 / 59
p0 −0.571± 4.18
100
50
0
−50
−100
pull
Entries 60
Mean 61.14
Std Dev 22.89
2
1
0
−1
−2

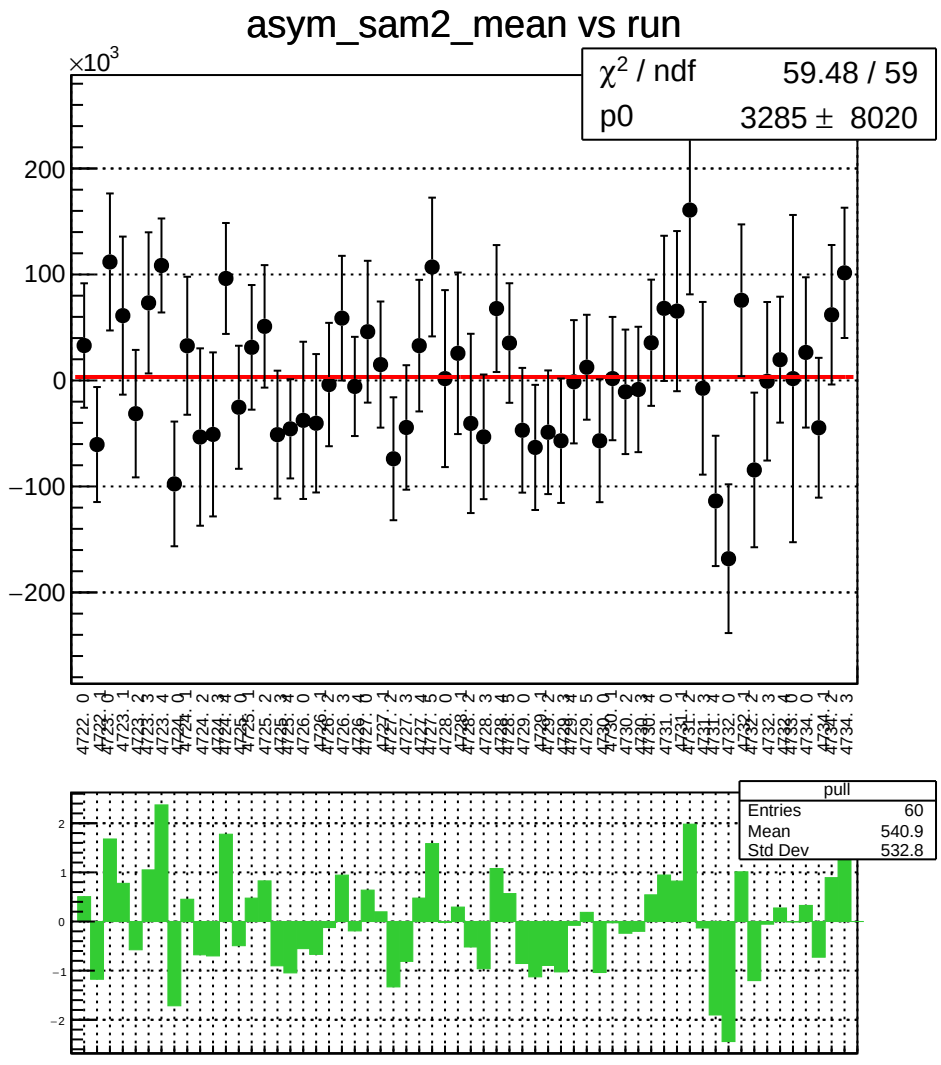

pull1D
Entries 60
Mean −0.005456
Std Dev 0.9403
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

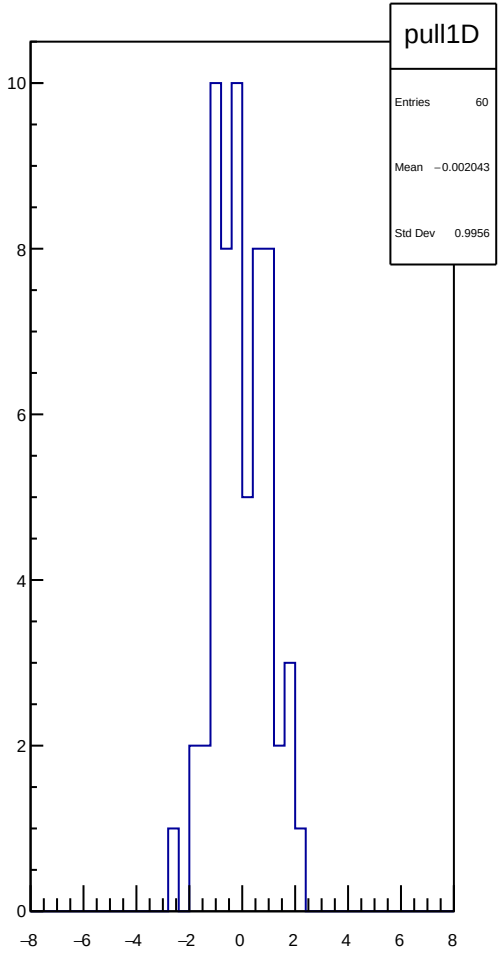

diff_bpm0l01Y_rms vs run
χ² / ndf 640.5 / 59
p0 3158 ± 2.956
3350
3300
3250
3200
3150
3100
3050
3000

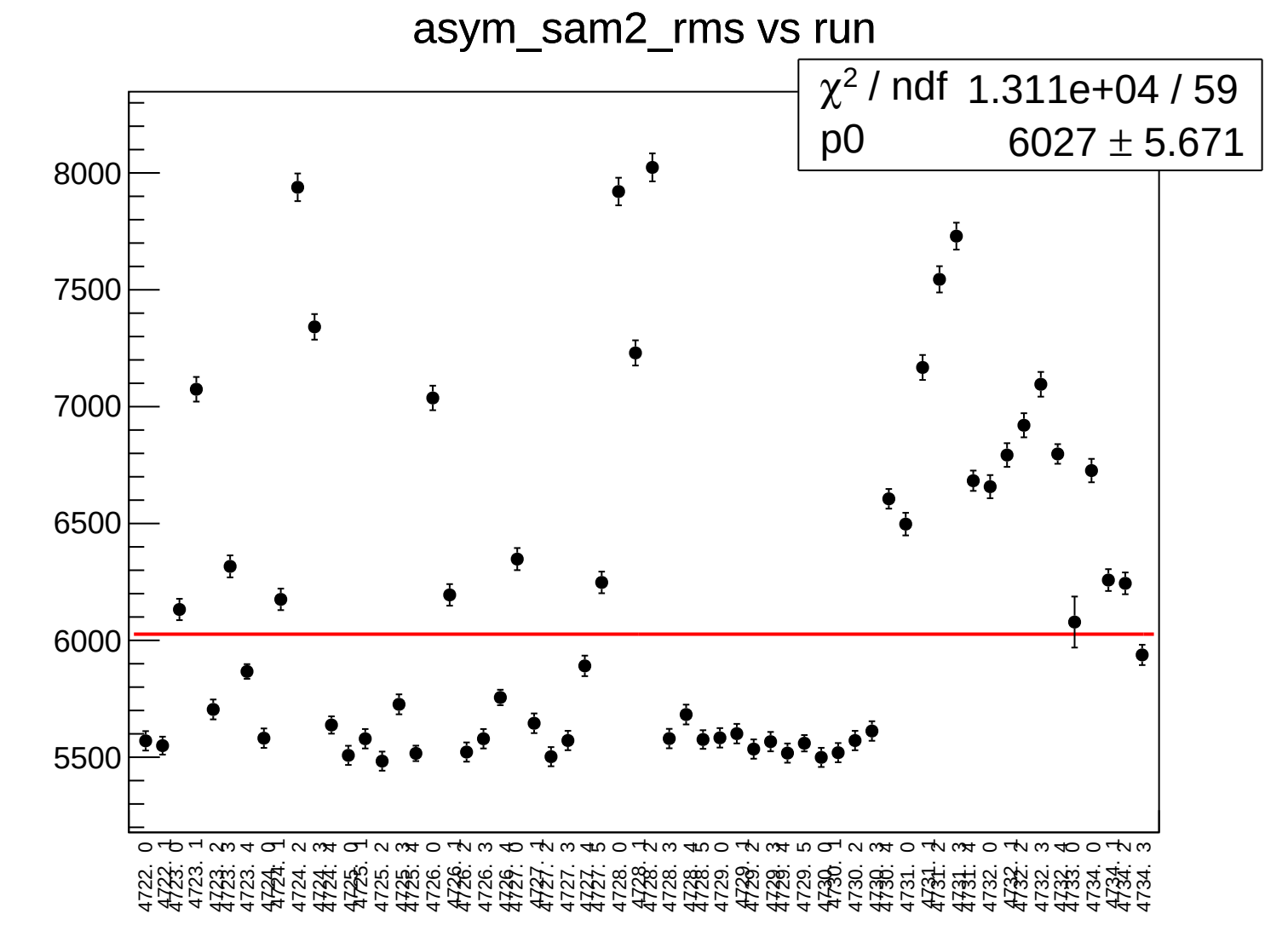

asym_sam1_mean vs run
χ^2 / ndf 59.53 / 59
p0 1278 ± 541.6
30000
20000
10000
0
−10000
pull
Entries 60
Mean 108.5
Std Dev 86.51
2
1
0
−1
−2

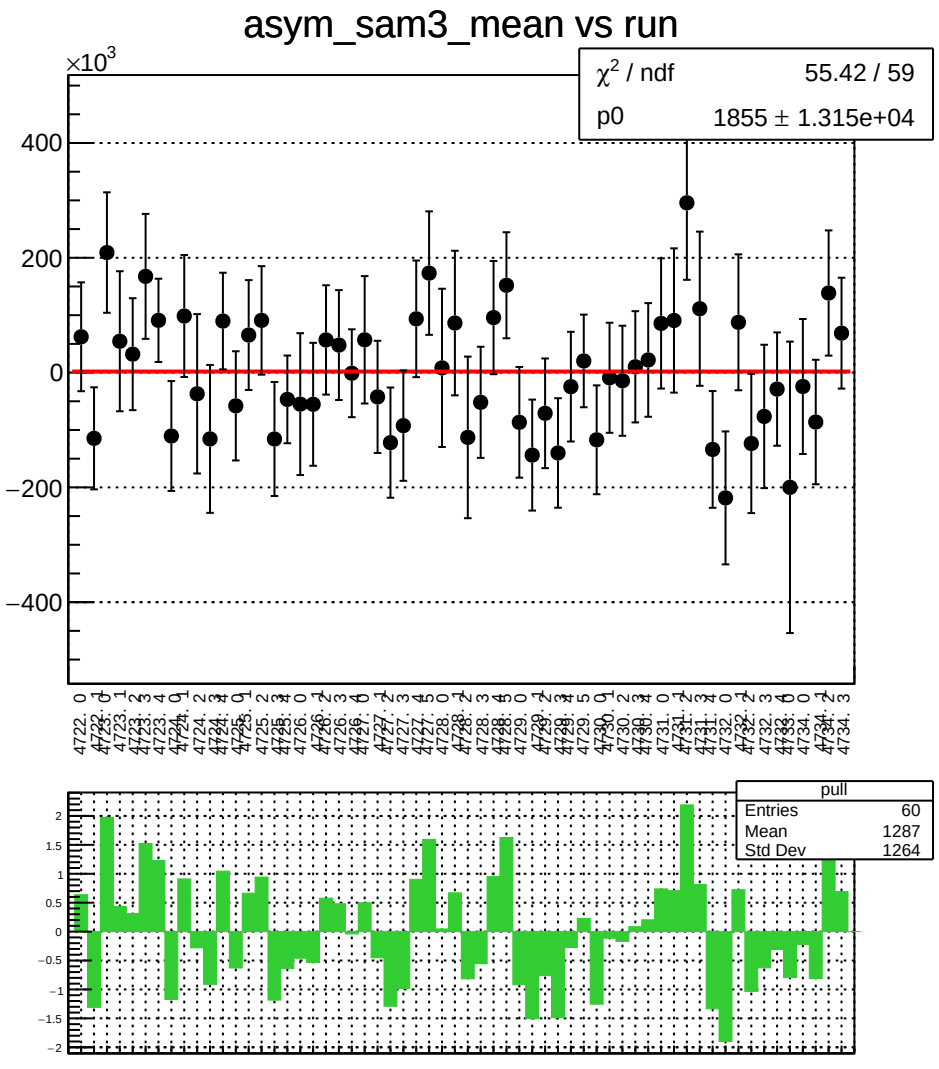

pull1D
Entries 60
Mean 0.01547
Std Dev 0.9959
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

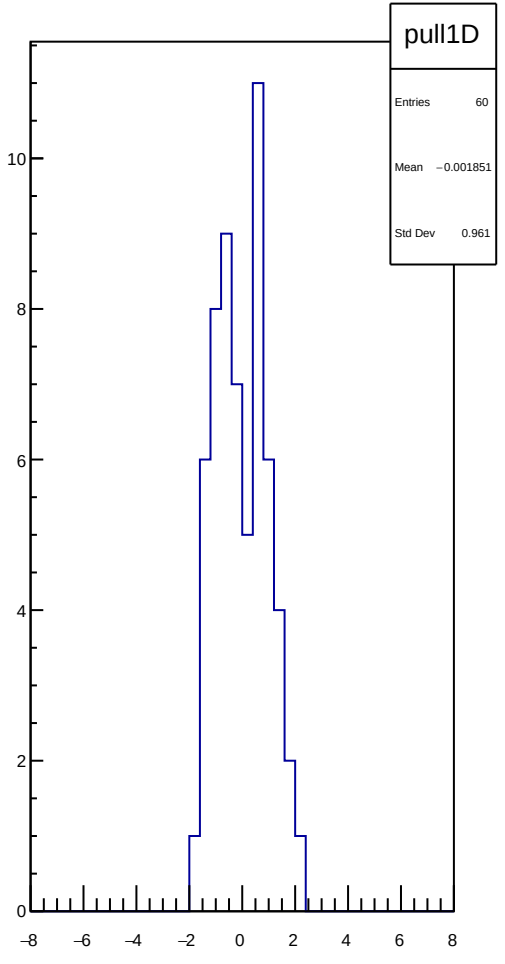

asym_sam1_rms vs run
χ² / ndf 881 / 59
p0 409.2 ± 0.383
440
420
400
380
360
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

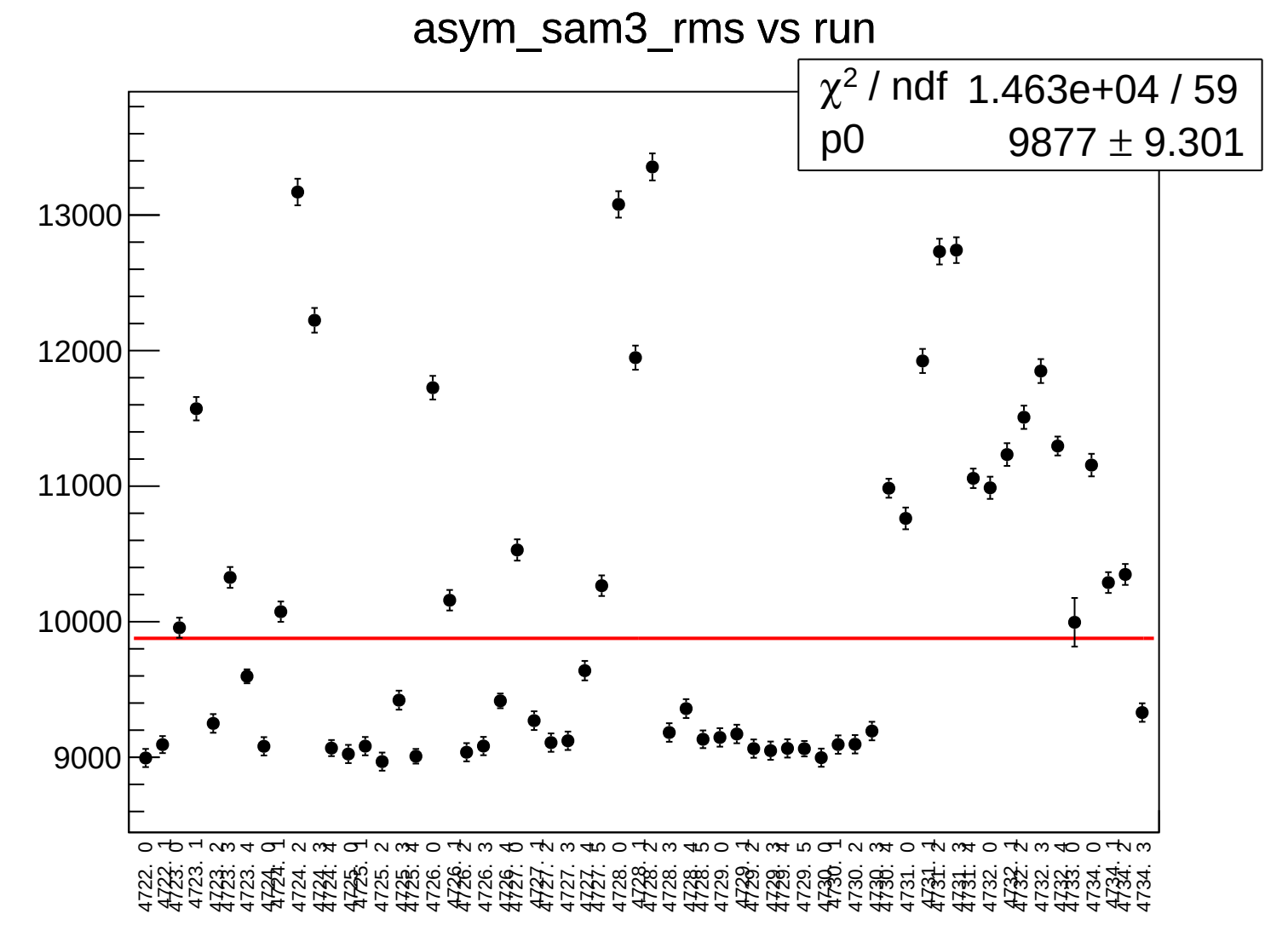

asym_sam2_mean vs run
×10^3
χ² / ndf 59.48 / 59
p0 3285 ± 8020
200
100
0
−100
−200
pull
Entries 60
Mean 540.9
Std Dev 532.8
2
1
0
−1
−2

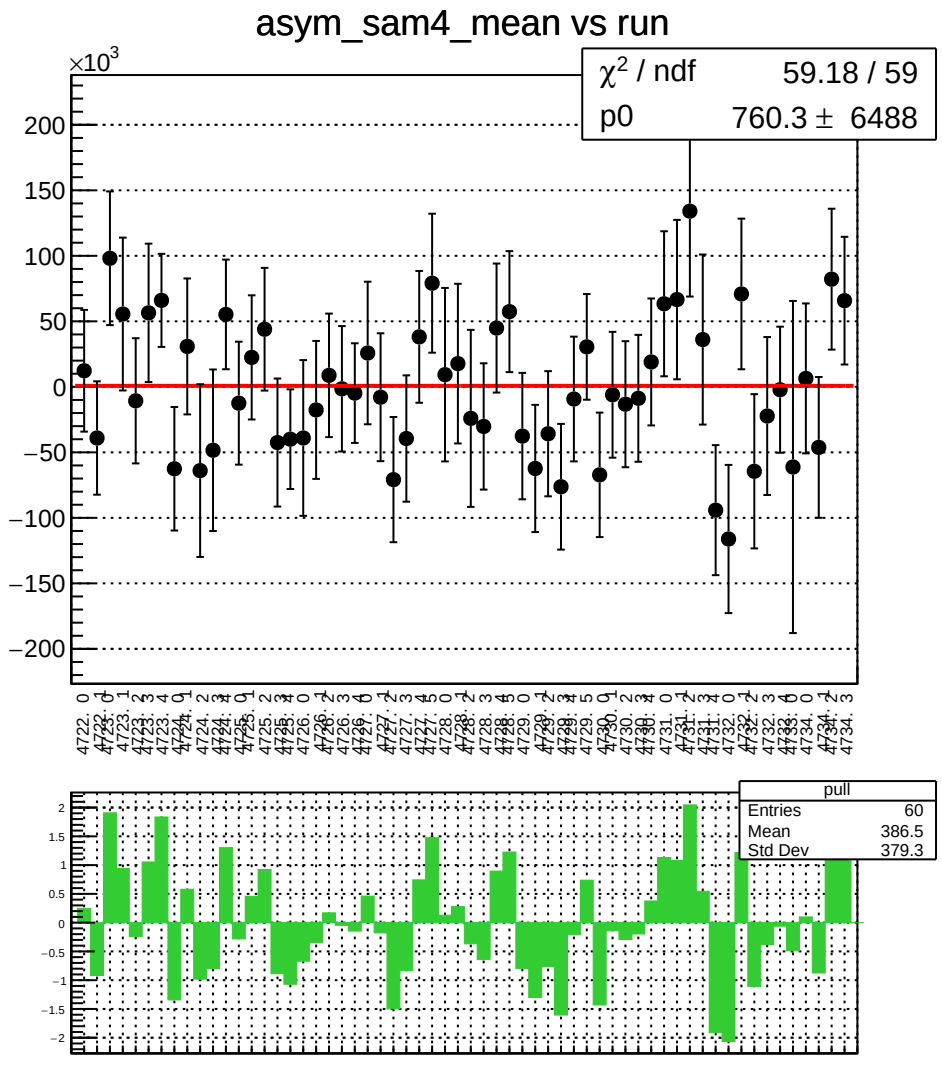

pull1D
Entries 60
Mean −0.002043
Std Dev 0.9956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

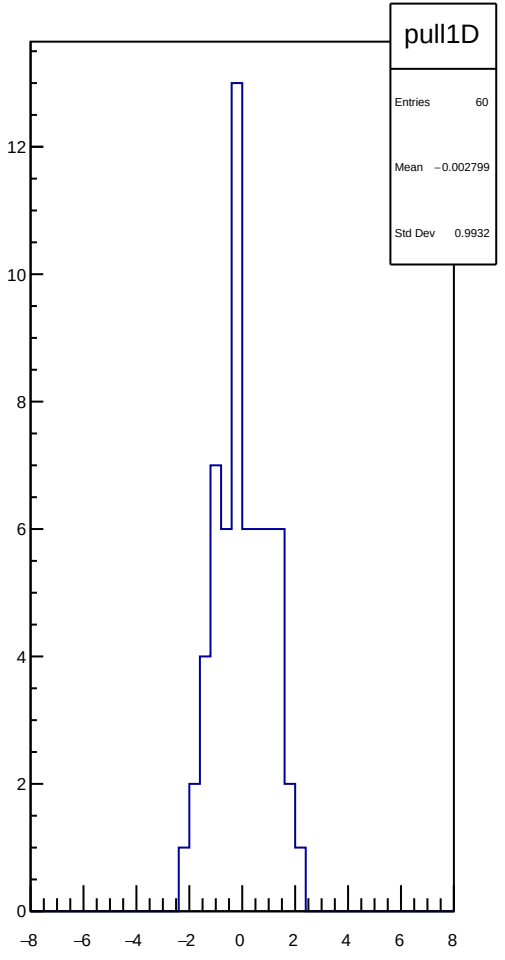

asym_sam2_rms vs run
χ² / ndf 1.311e+04 / 59
p0 6027 ± 5.671
8000
7500
7000
6500
6000
5500

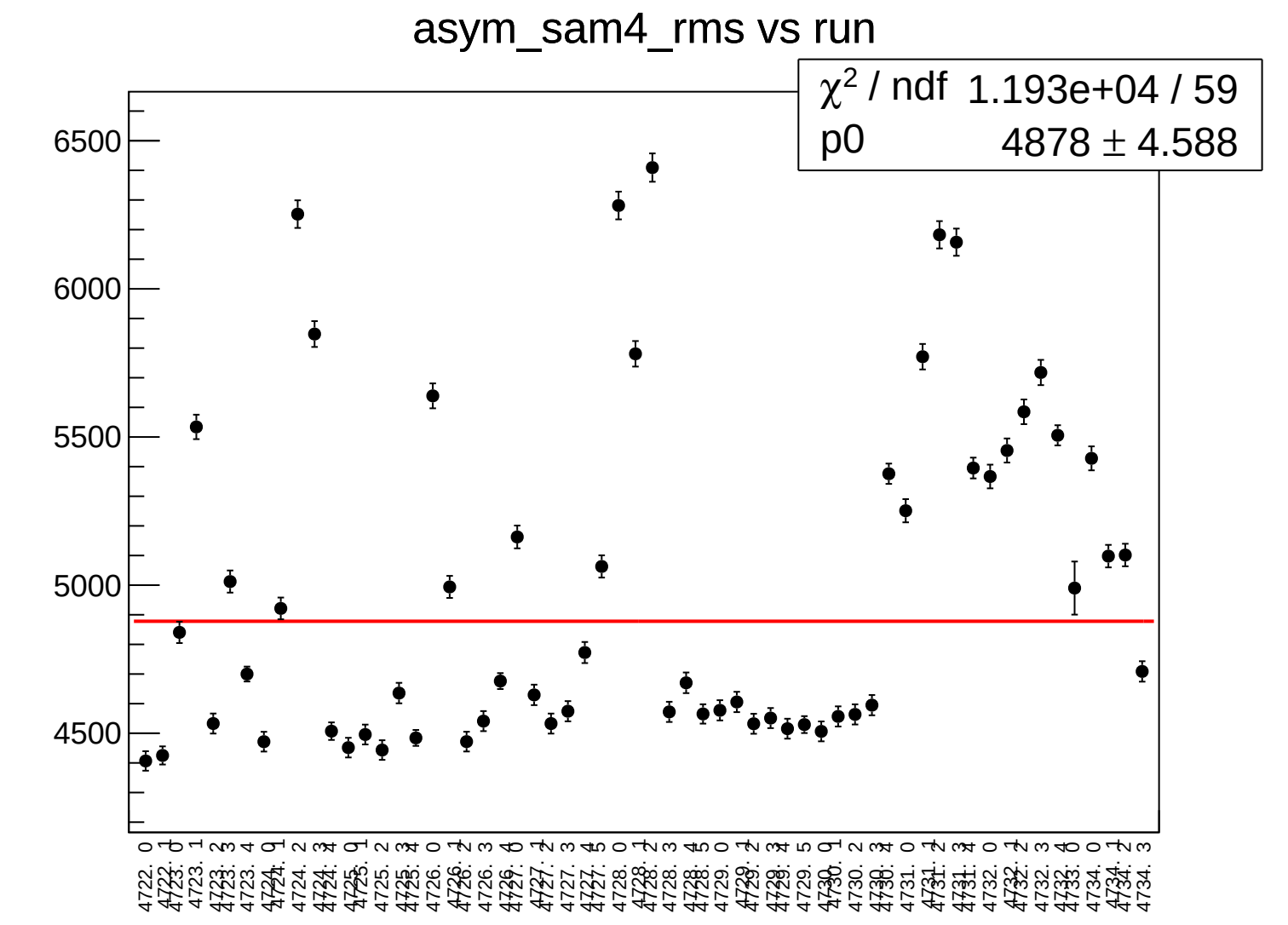

asym_sam3_mean vs run
×10^3
χ² / ndf 55.42 / 59
p0 1855 ± 1.315e+04
400
200
0
−200
−400
pull
Entries 60
Mean 1287
Std Dev 1264
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

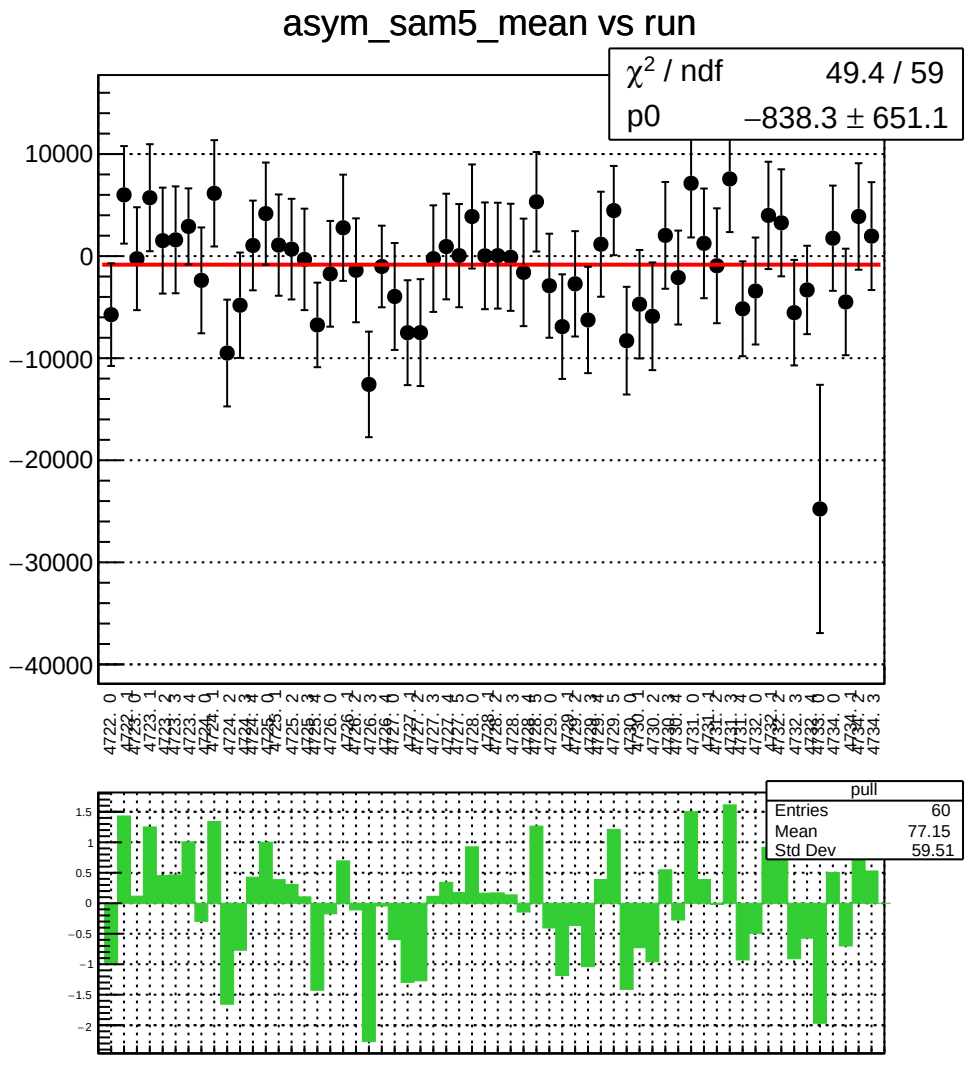

pull1D
Entries 60
Mean −0.001851
Std Dev 0.961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

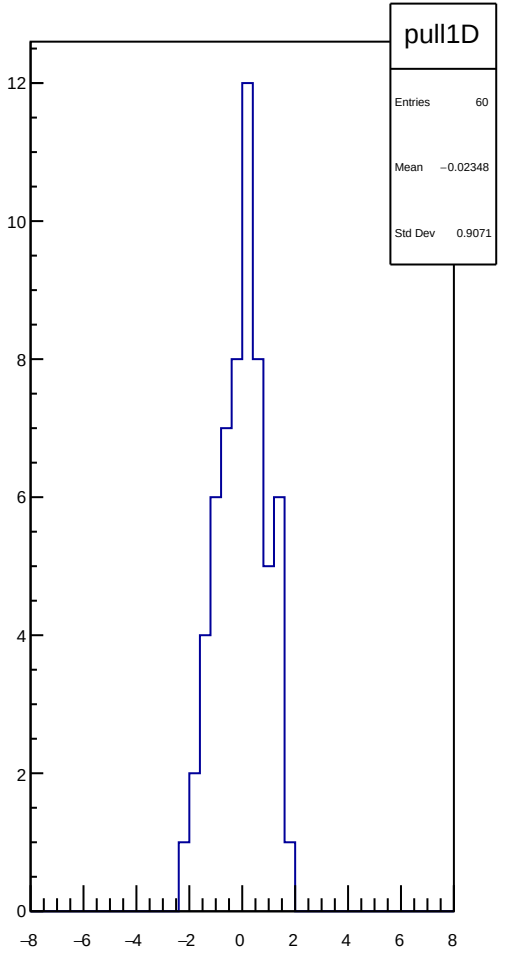

asym_sam3_rms vs run
χ² / ndf 1.463e+04 / 59
p0 9877 ± 9.301
13000
12000
11000
10000
9000

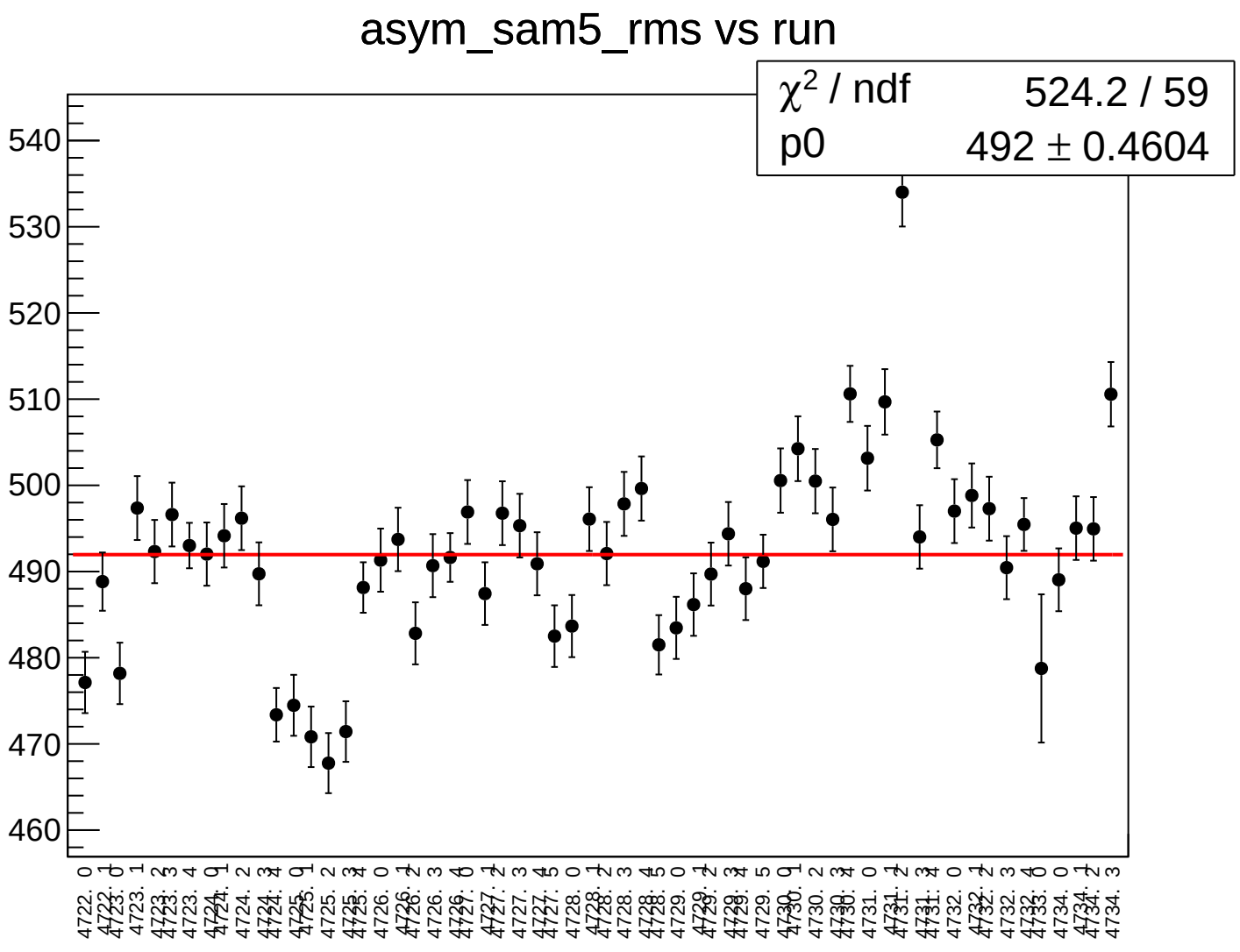

asym_sam4_mean vs run
×10^3
χ^2 / ndf 59.18 / 59
p0 760.3 ± 6488
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 60
Mean 386.5
Std Dev 379.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

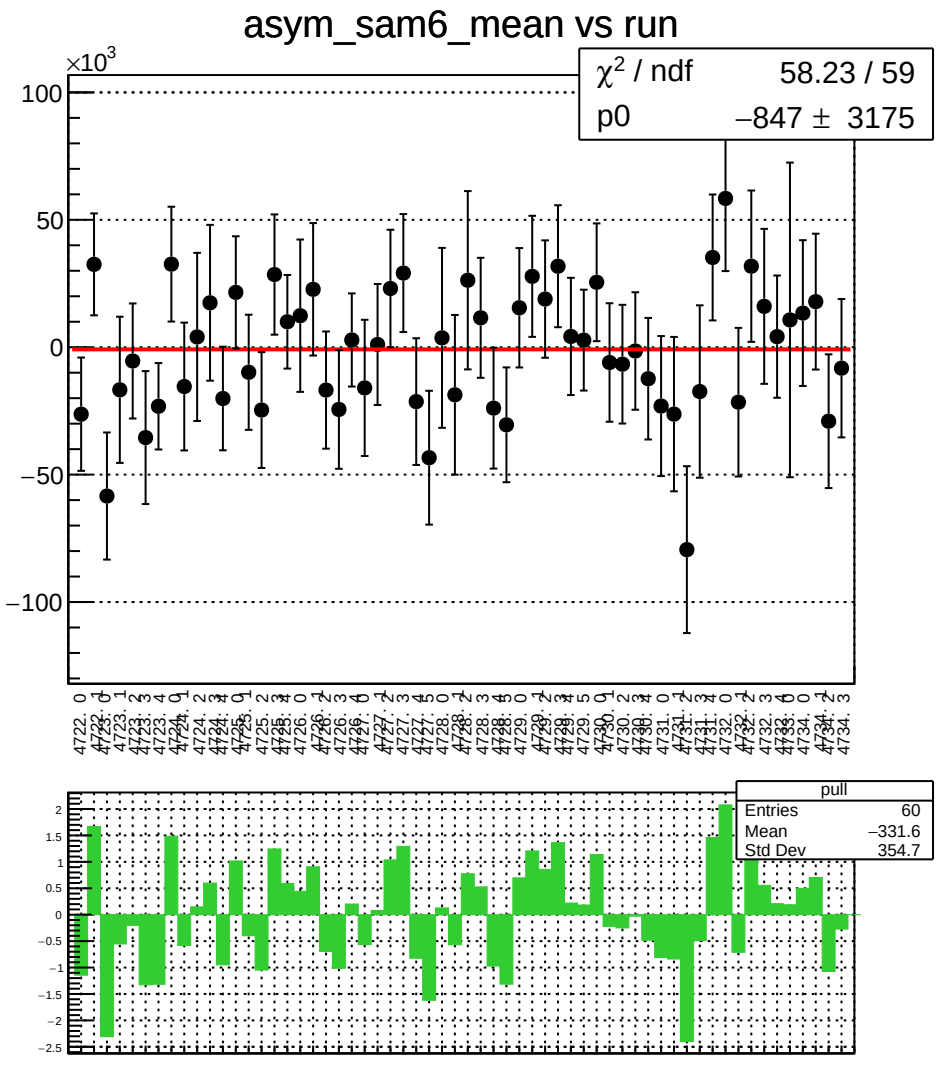

pull1D
Entries 60
Mean −0.002799
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

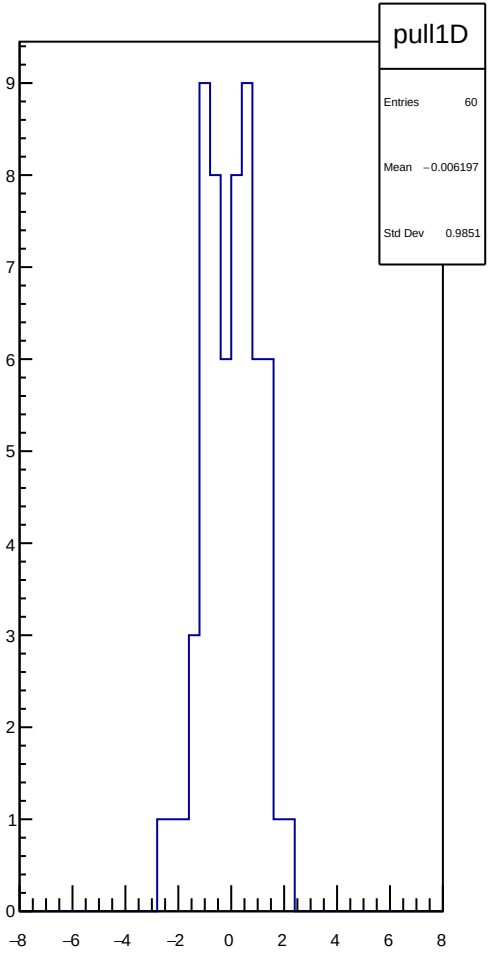

asym_sam4_rms vs run
χ² / ndf 1.193e+04 / 59
p0 4878 ± 4.588
6500
6000
5500
5000
4500

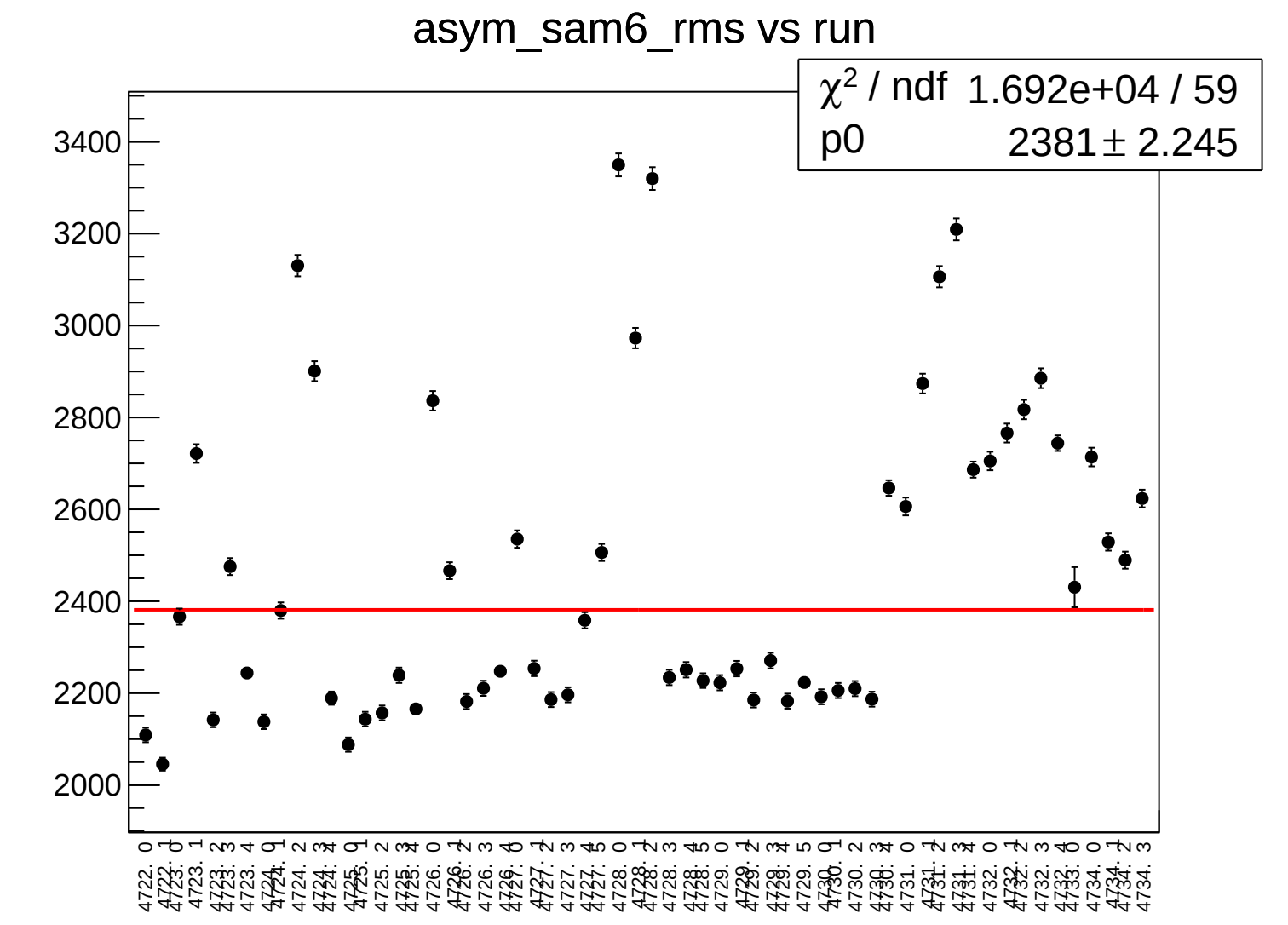

asym_sam5_mean vs run
χ² / ndf 49.4 / 59
p0 −838.3 ± 651.1
10000
0
−10000
−20000
−30000
−40000
pull
Entries 60
Mean 77.15
Std Dev 59.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2

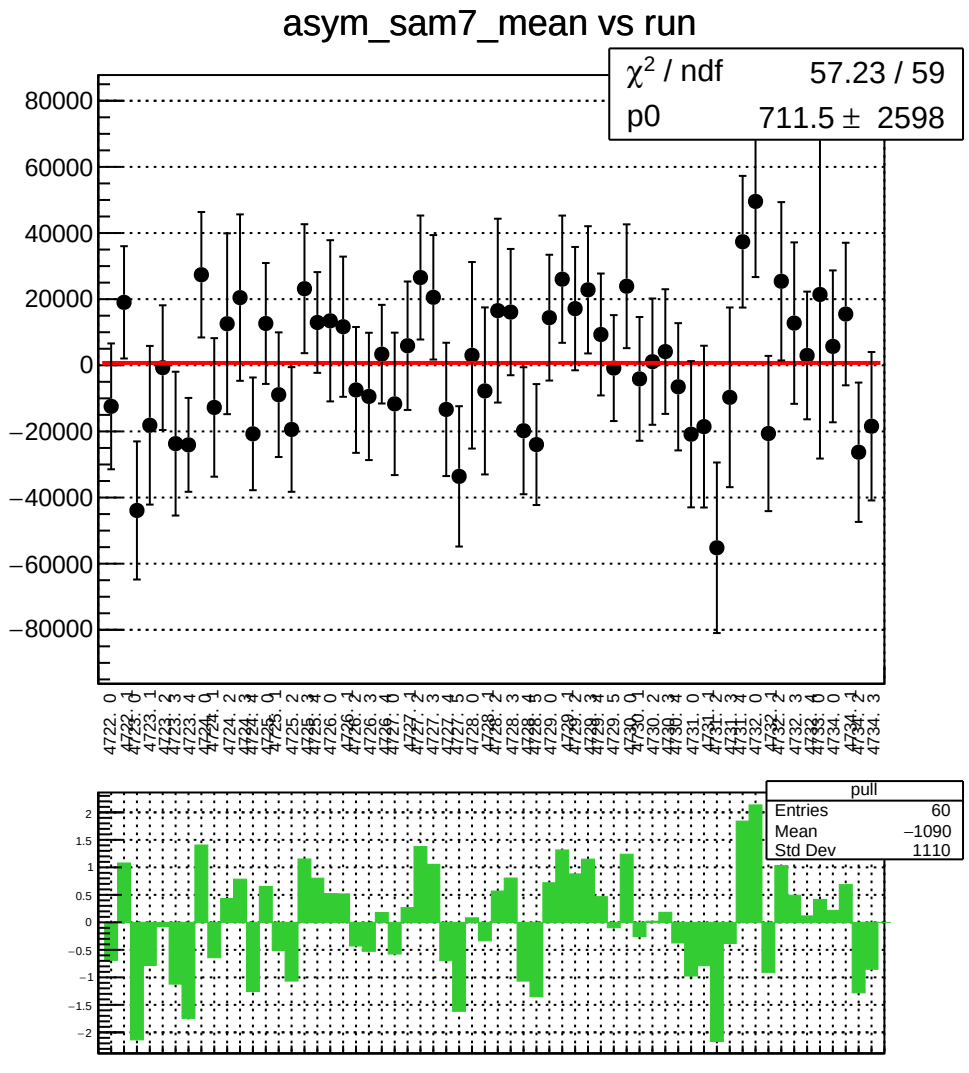

pull1D
Entries 60
Mean −0.02348
Std Dev 0.9071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

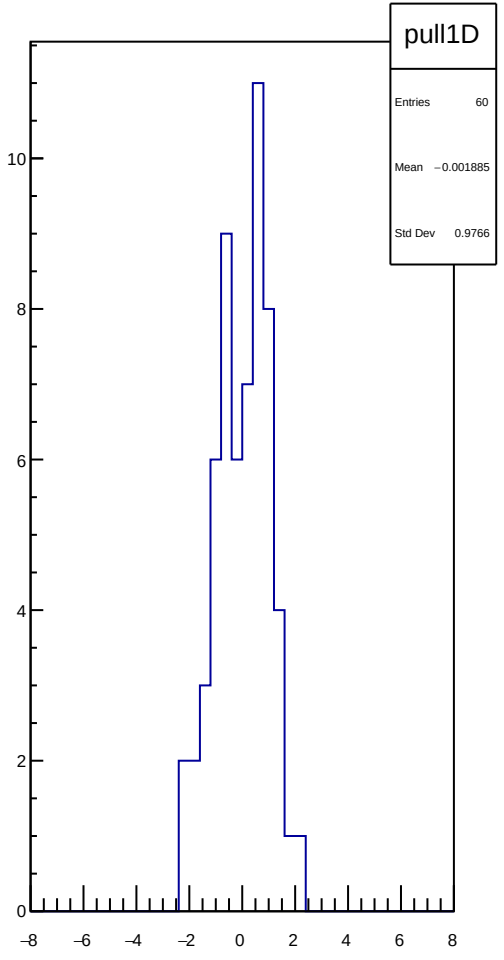

asym_sam5_rms vs run
χ² / ndf 524.2 / 59
p0 492 ± 0.4604
540
530
520
510
500
490
480
470
460
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

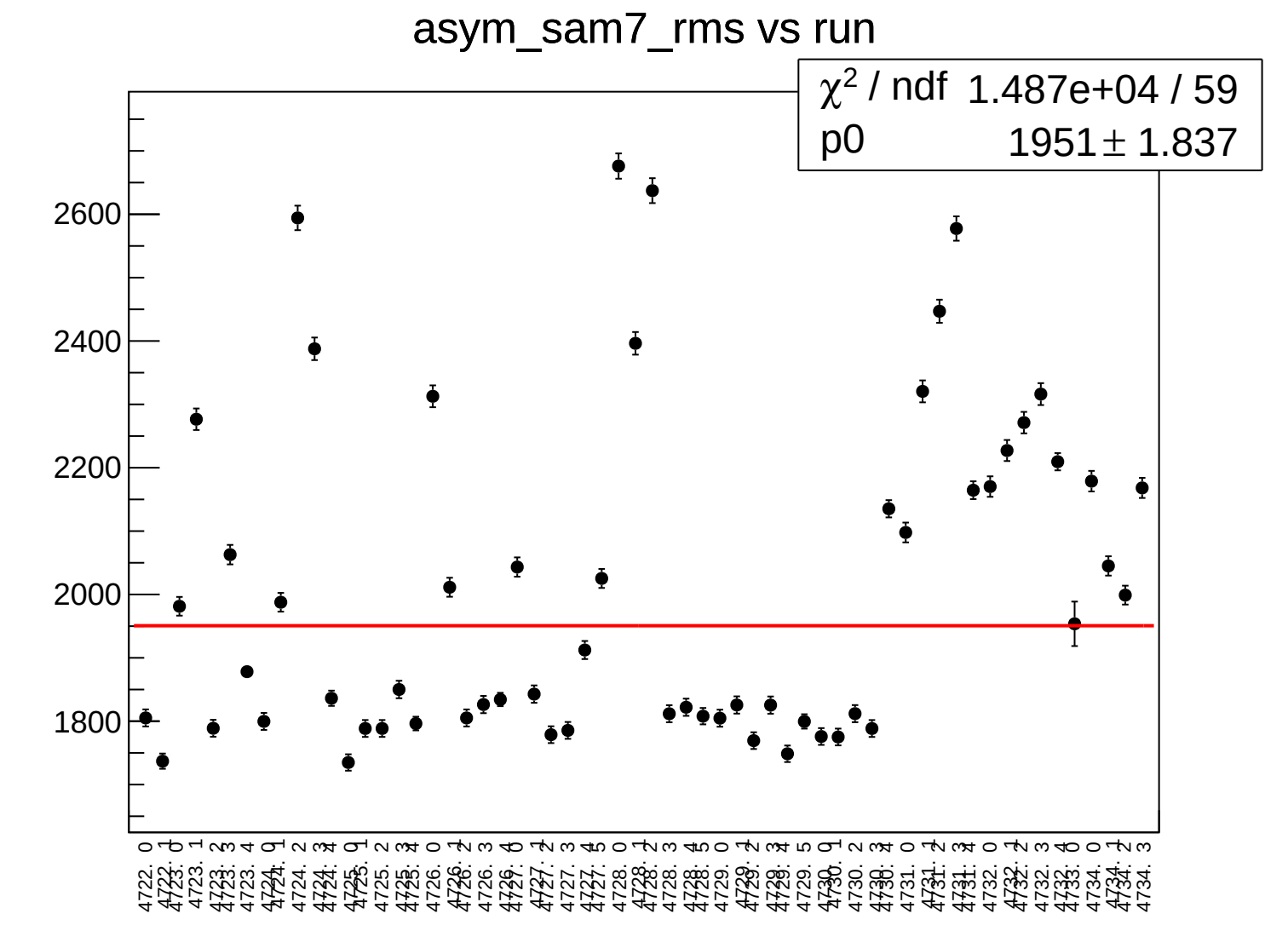

asym_sam6_mean vs run
×10^3
χ^2 / ndf 58.23 / 59
p0 −847 ± 3175
100
50
0
−50
−100
pull
Entries 60
Mean −331.6
Std Dev 354.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

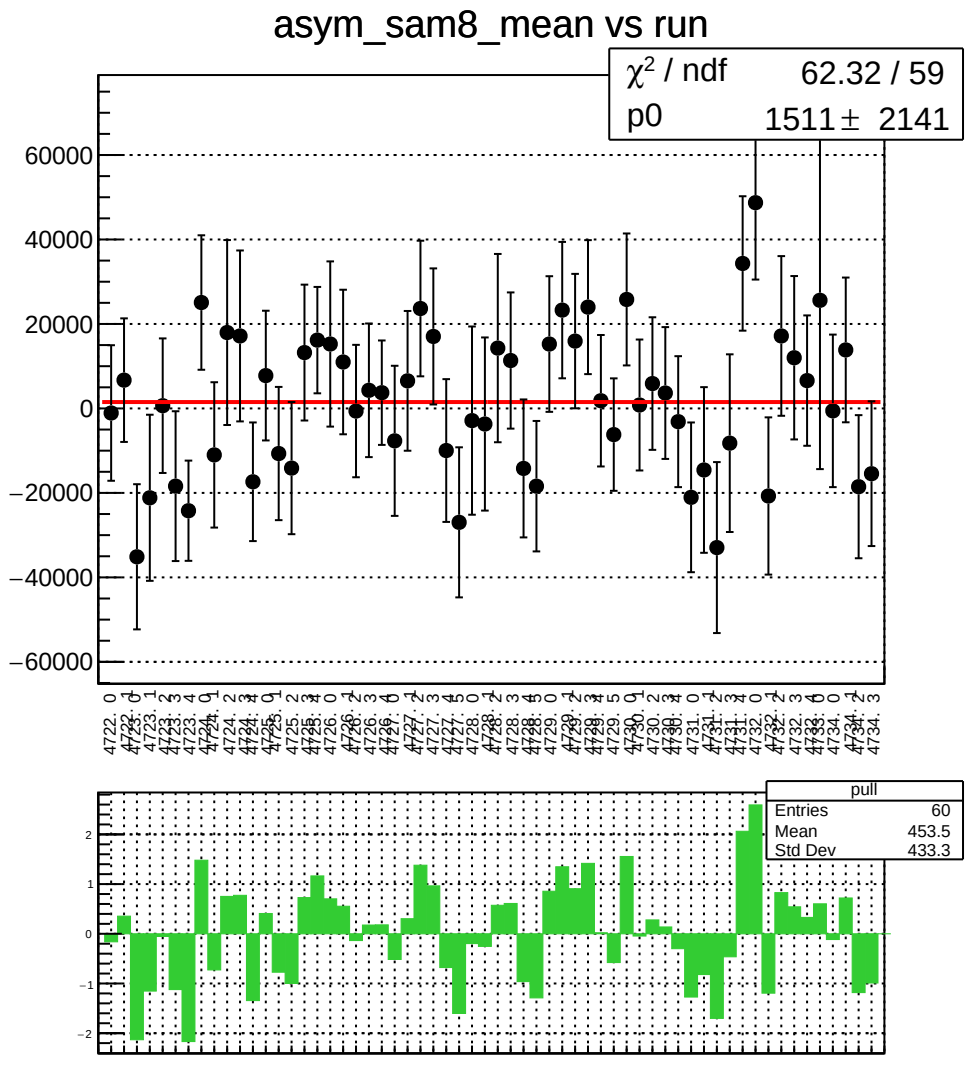

pull1D
Entries 60
Mean −0.006197
Std Dev 0.9851
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

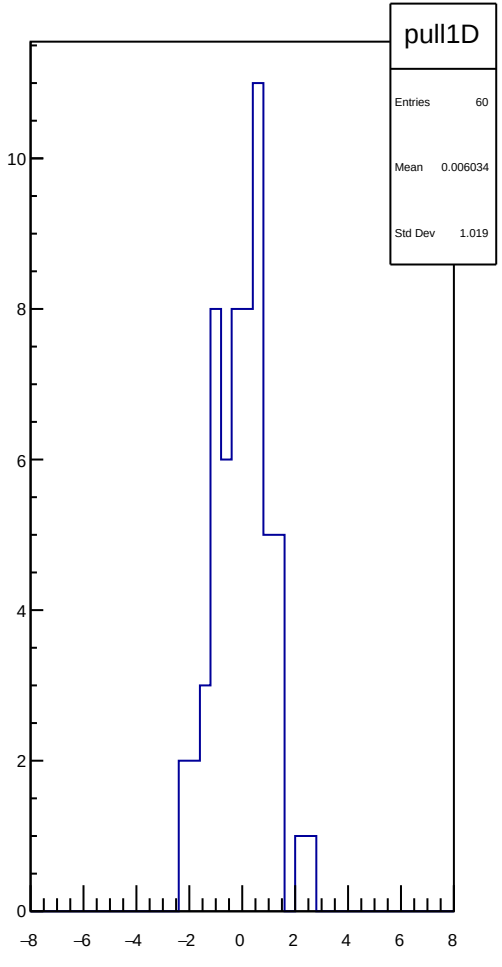

asym_sam6_rms vs run
χ² / ndf 1.692e+04 / 59
p0 2381 ± 2.245
3400
3200
3000
2800
2600
2400
2200
2000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

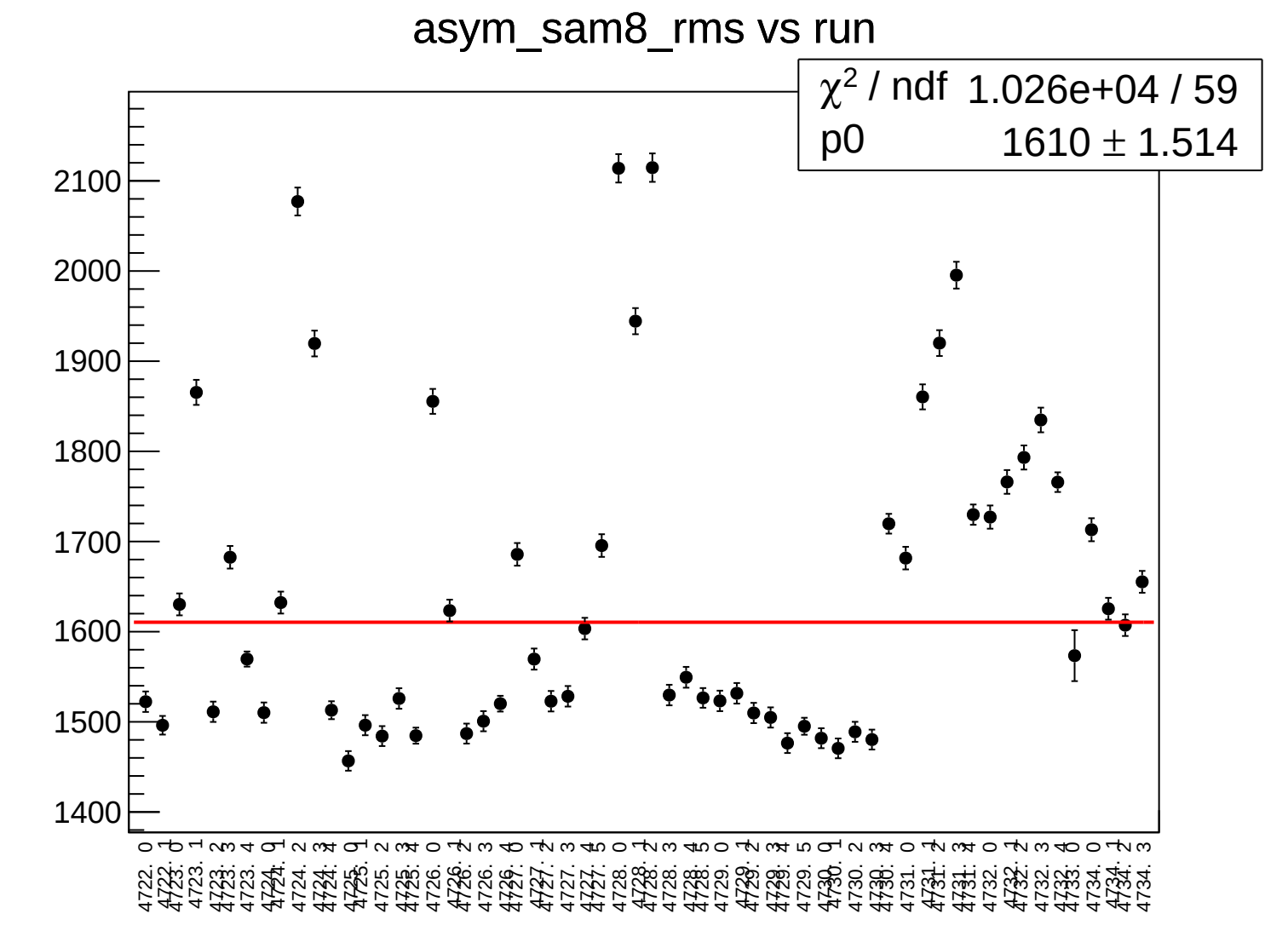

asym_sam7_mean vs run
χ² / ndf 57.23 / 59
p0 711.5 ± 2598
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 60
Mean −1090
Std Dev 1110
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

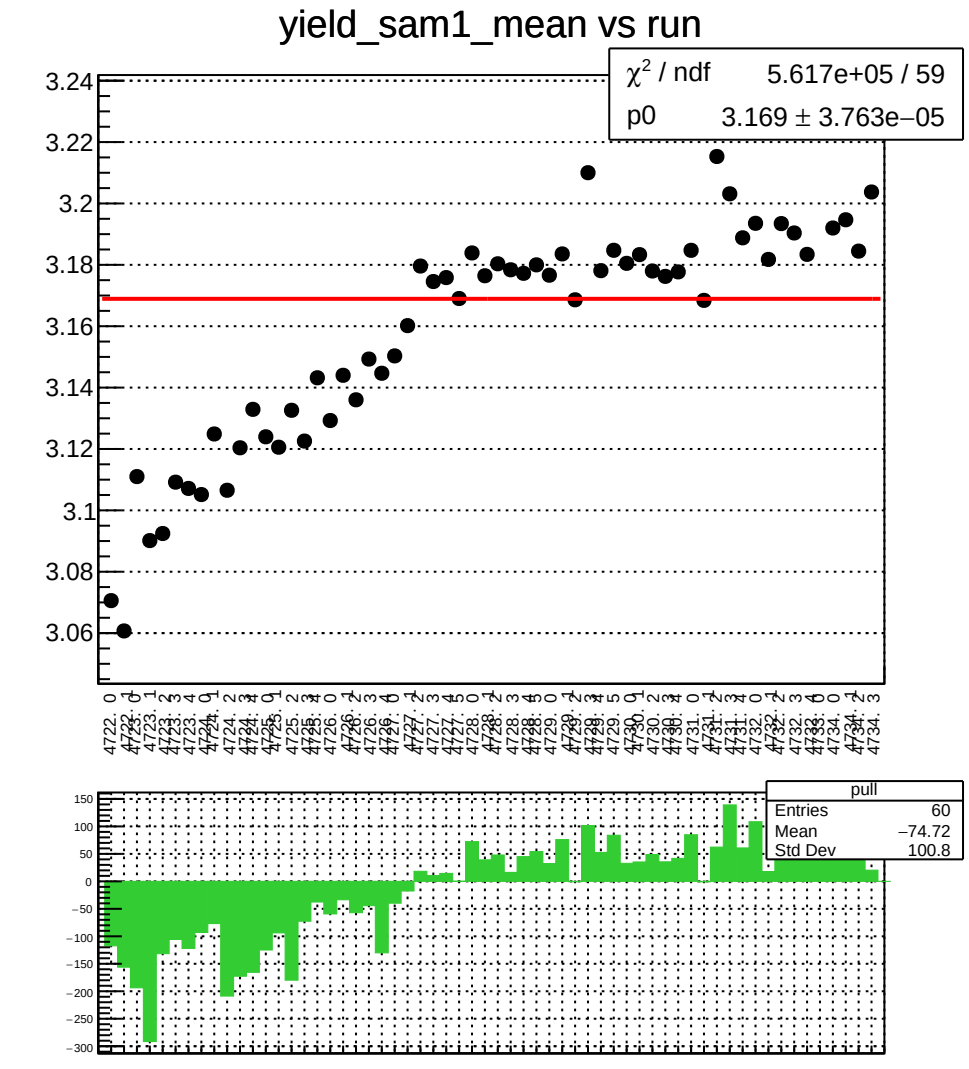

pull1D
Entries 60
Mean −0.001885
Std Dev 0.9766
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

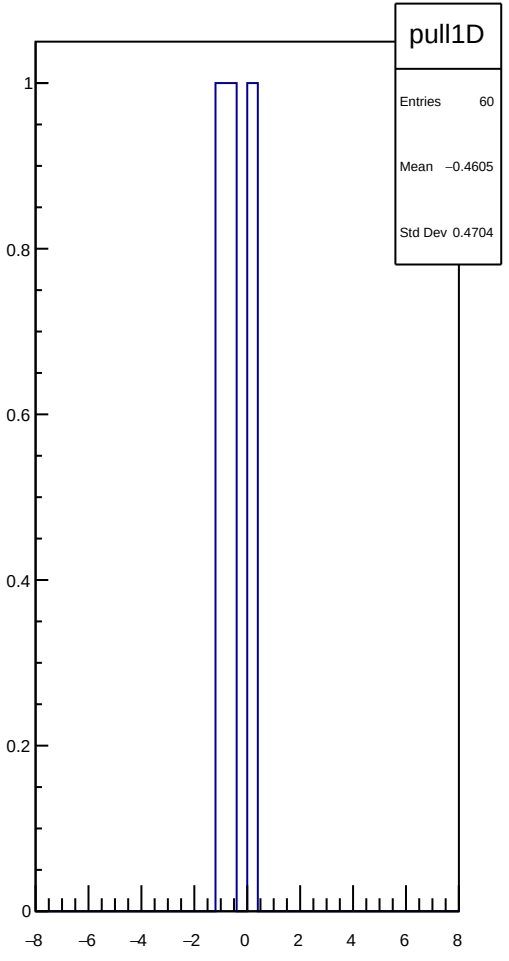

asym_sam7_rms vs run
χ² / ndf 1.487e+04 / 59
p0 1951 ± 1.837
2600
2400
2200
2000
1800

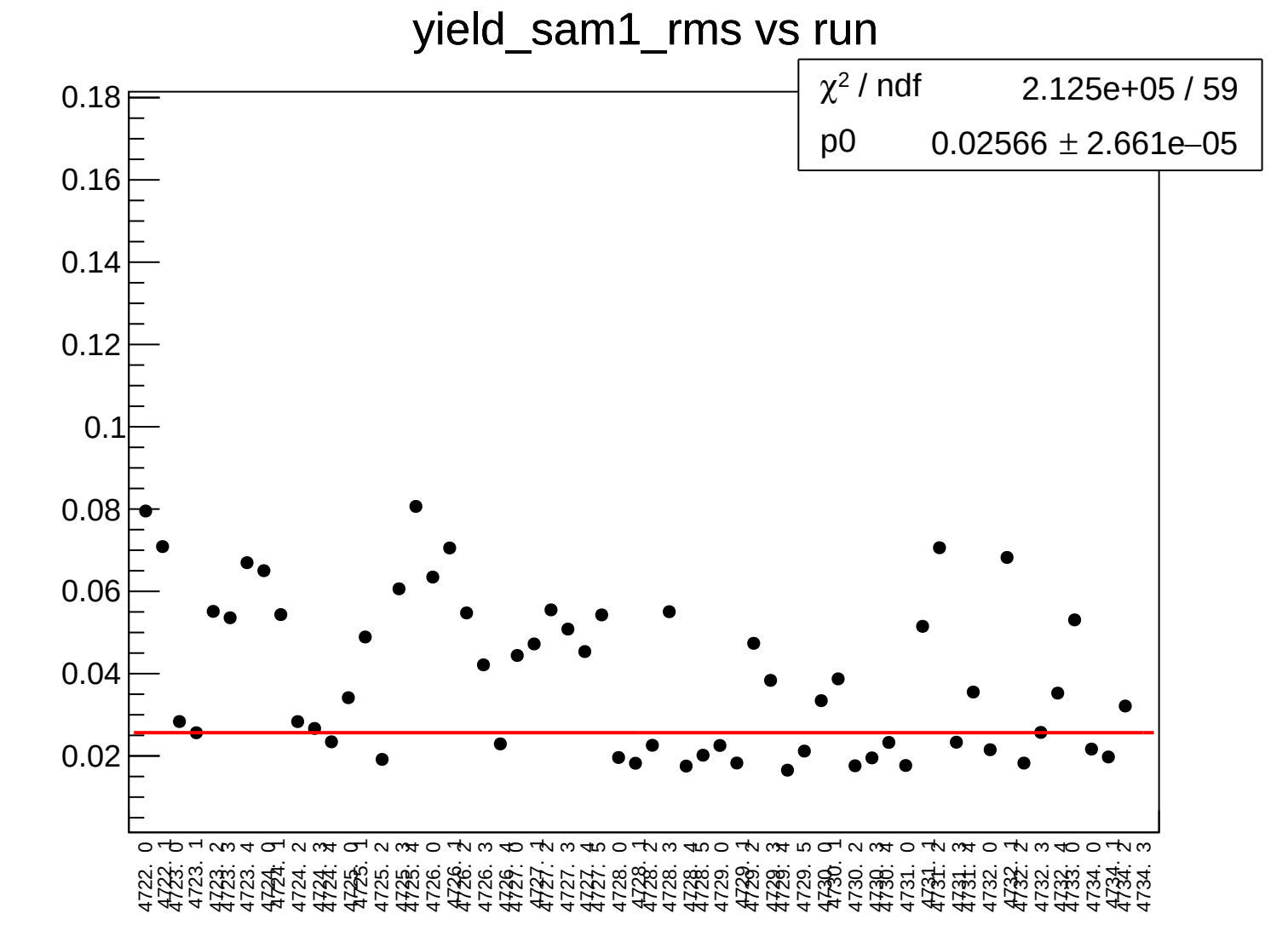

asym_sam8_mean vs run
χ² / ndf 62.32 / 59
p0 1511 ± 2141
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 60
Mean 453.5
Std Dev 433.3
2
1
0
−1
−2

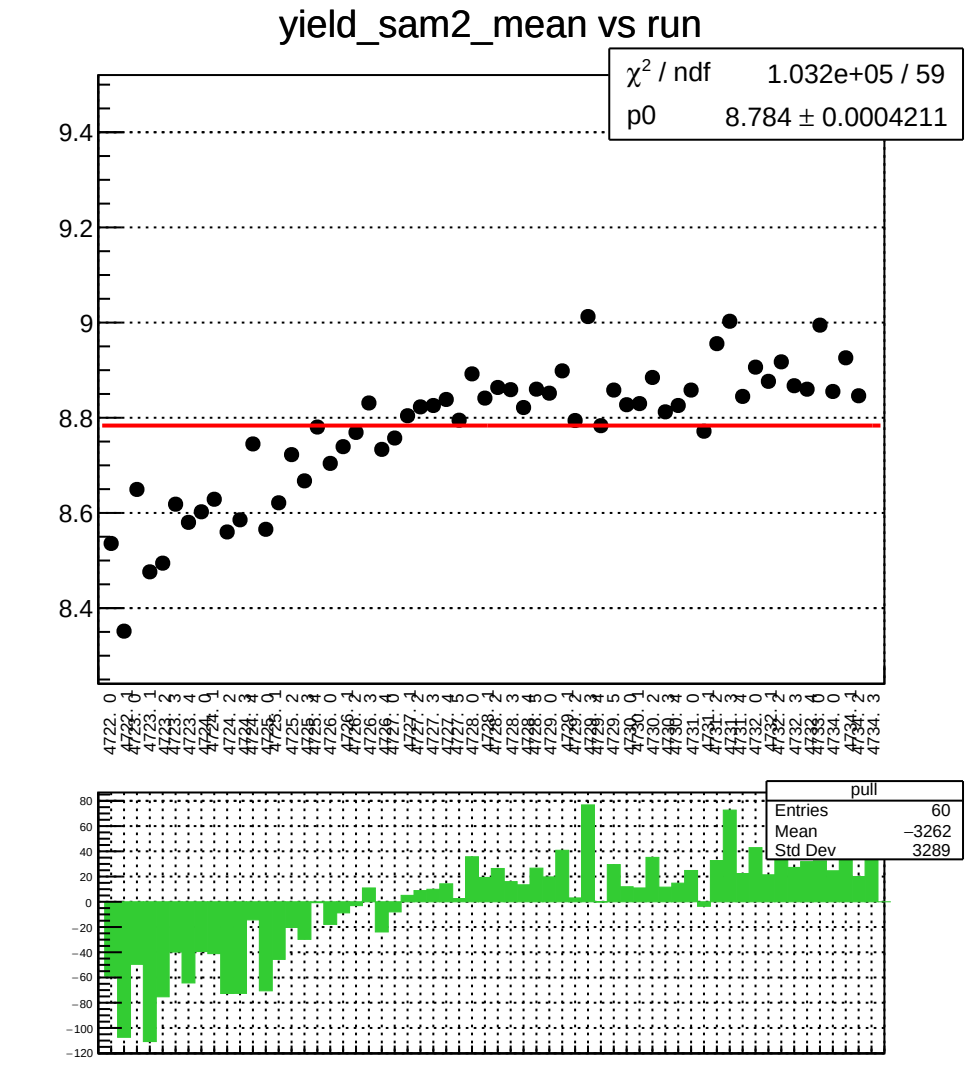

pull1D
Entries 60
Mean 0.006034
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

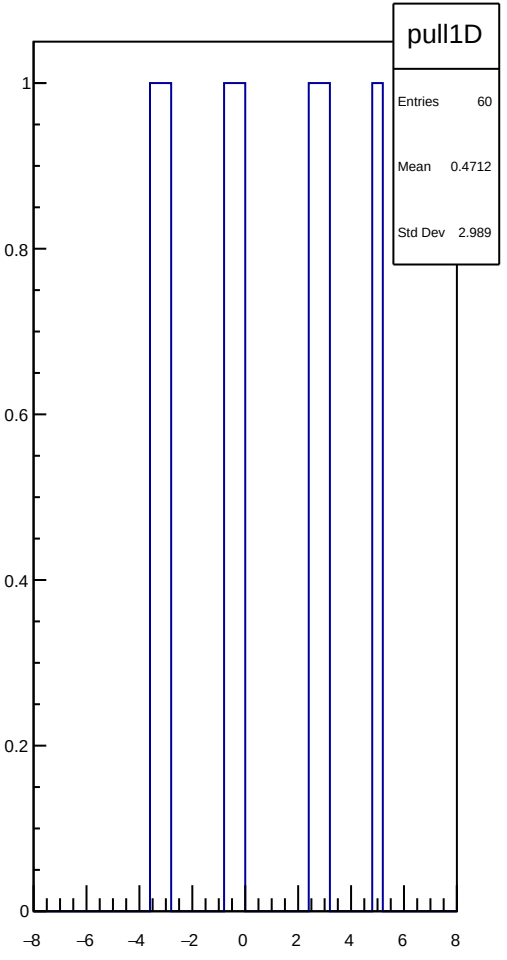

asym_sam8_rms vs run
χ² / ndf 1.026e+04 / 59
p0 1610 ± 1.514
2100
2000
1900
1800
1700
1600
1500
1400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

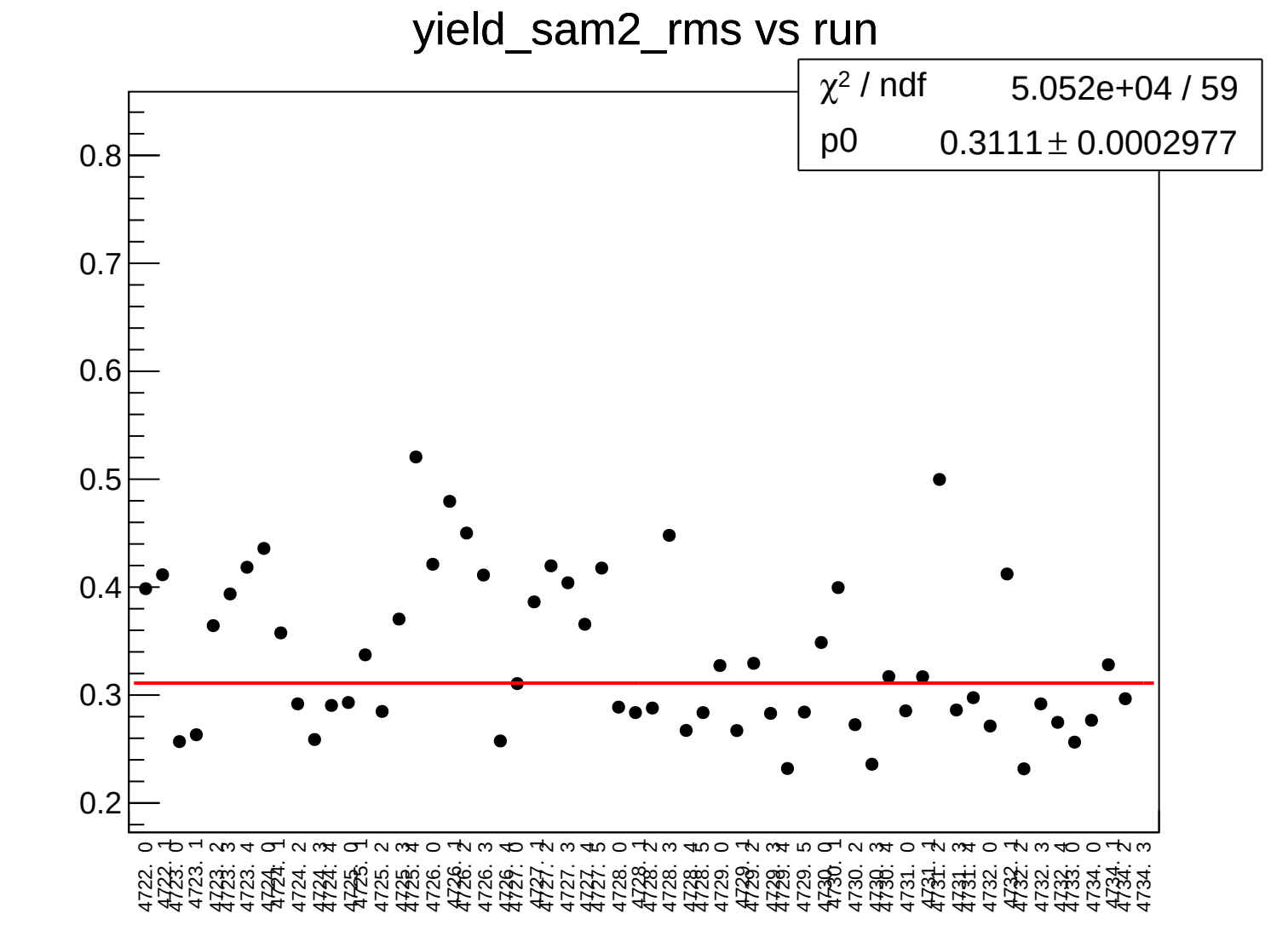

yield_sam1_mean vs run
χ² / ndf 5.617e+05 / 59
p0 3.169 ± 3.763e−05
pull
Entries 60
Mean −74.72
Std Dev 100.8

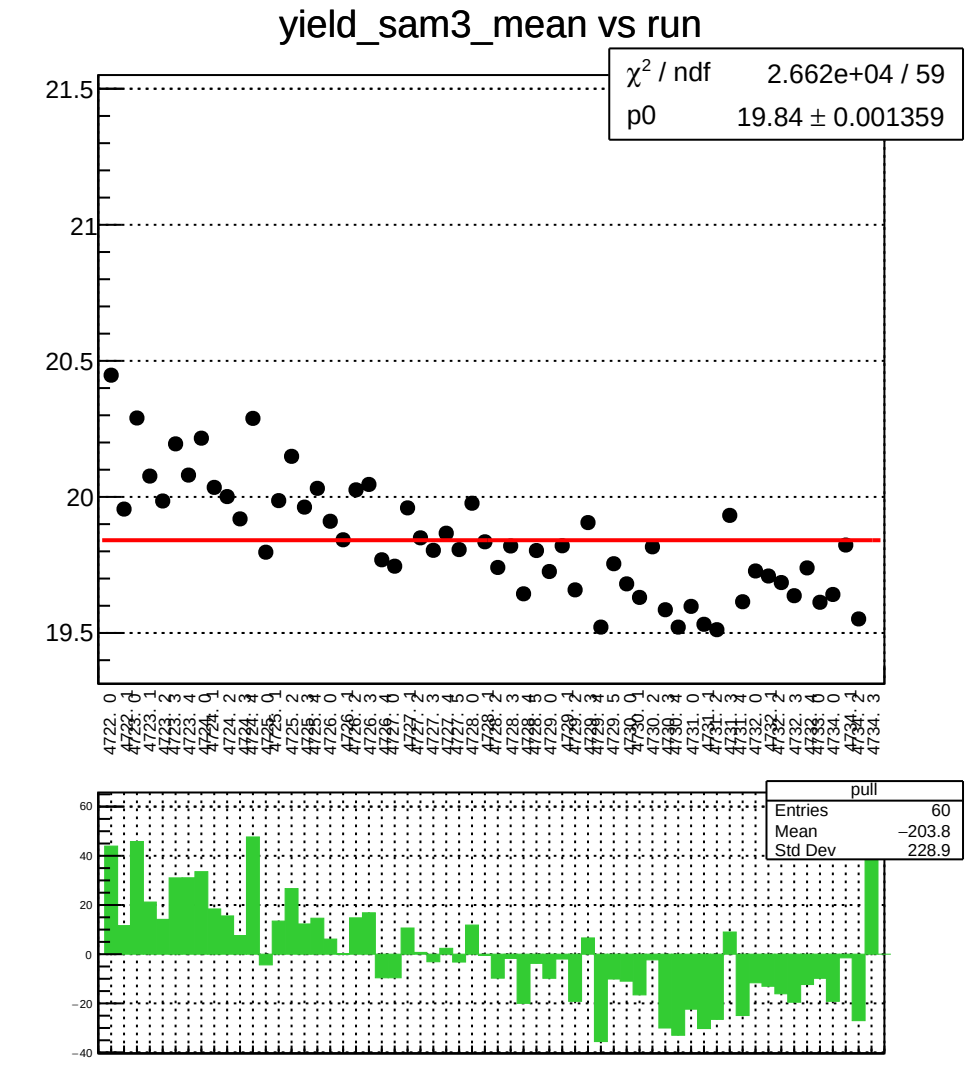

pull1D
Entries 60
Mean −0.4605
Std Dev 0.4704

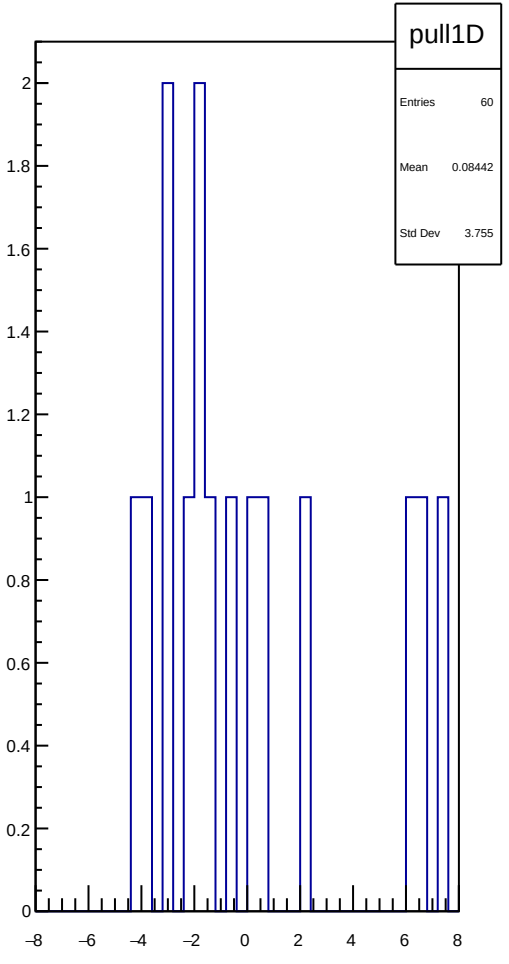

yield_sam1_rms vs run
χ² / ndf 2.125e+05 / 59
p0 0.02566 ± 2.661e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

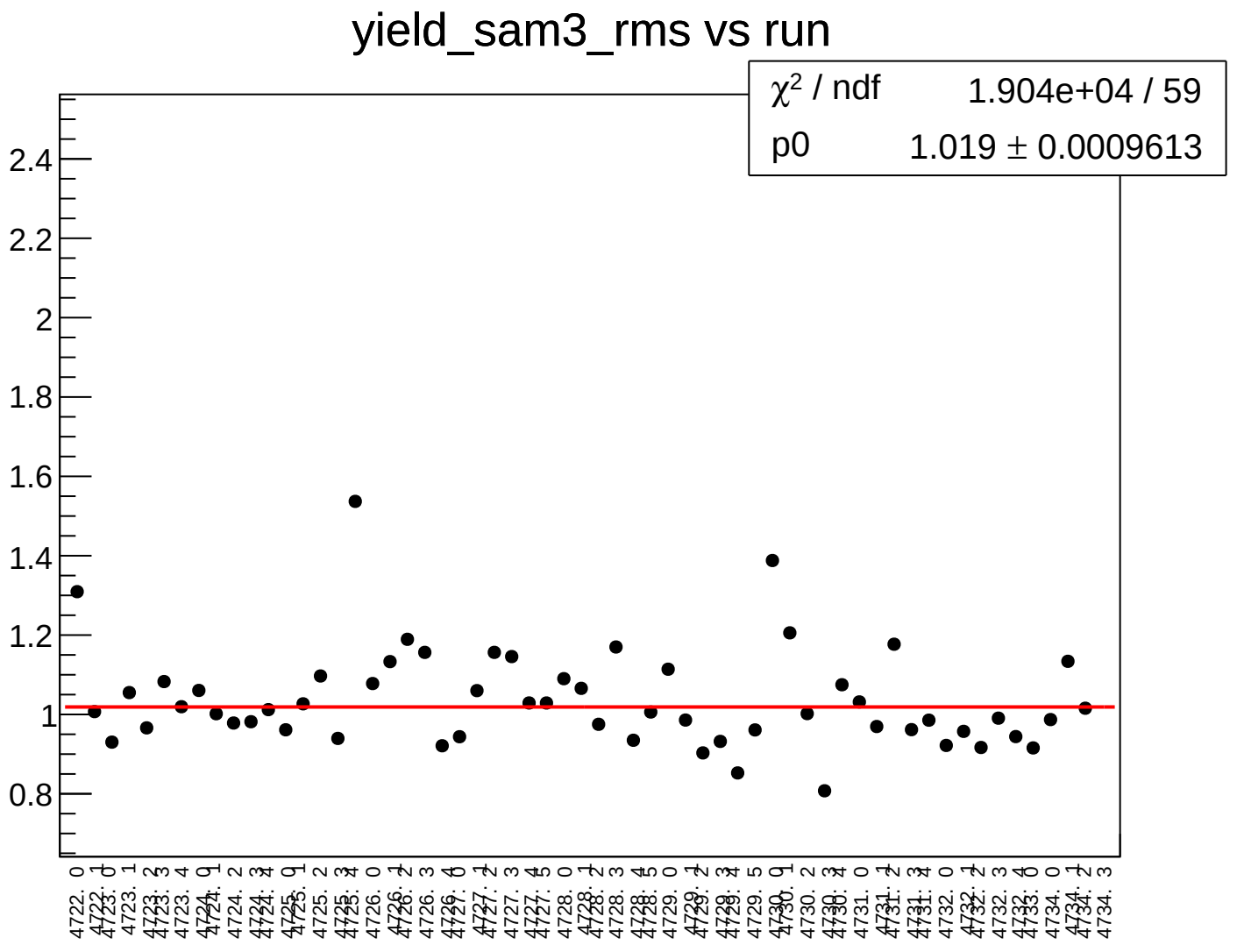

yield_sam2_mean vs run
χ² / ndf 1.032e+05 / 59
p0 8.784 ± 0.0004211
9.4
9.2
9
8.8
8.6
8.4
pull
Entries 60
Mean −3262
Std Dev 3289
80
60
40
20
0
−20
−40
−60
−80
−100
−120

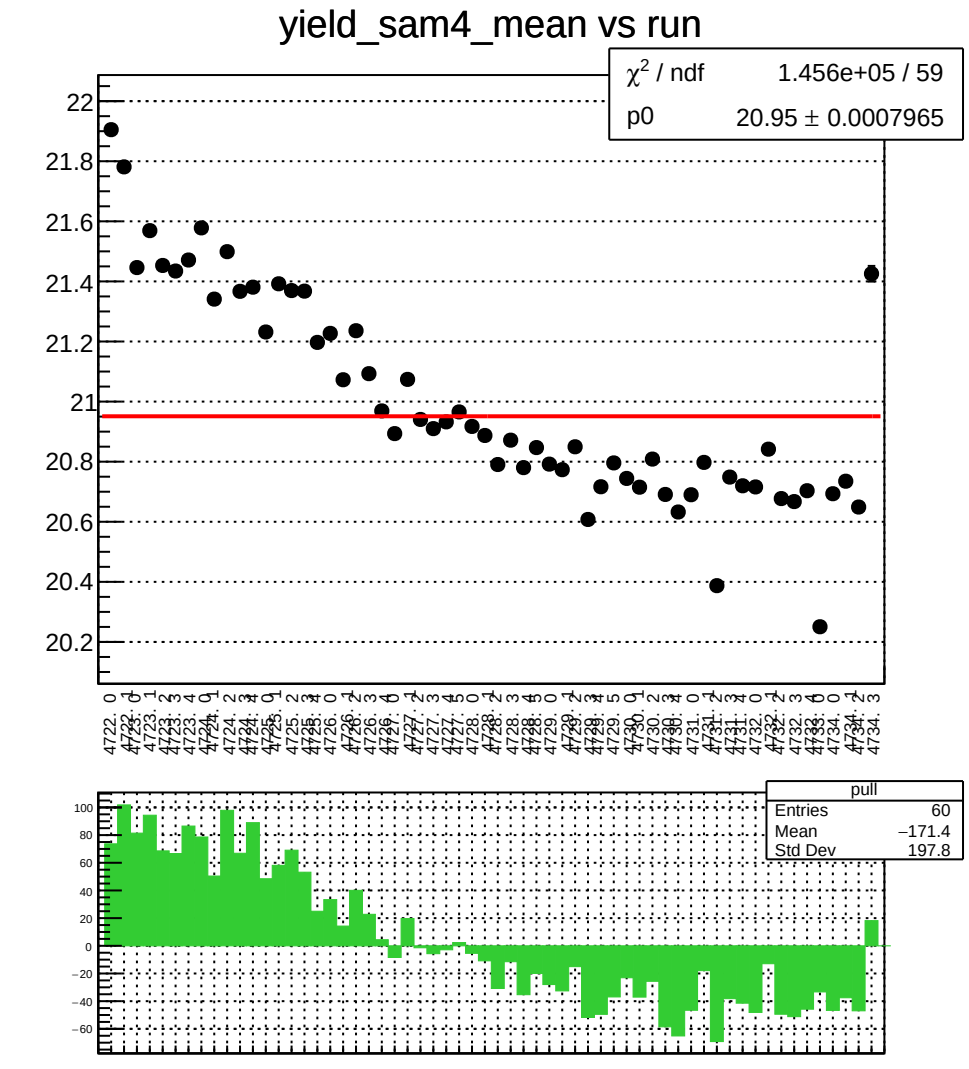

pull1D
Entries 60
Mean 0.4712
Std Dev 2.989
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

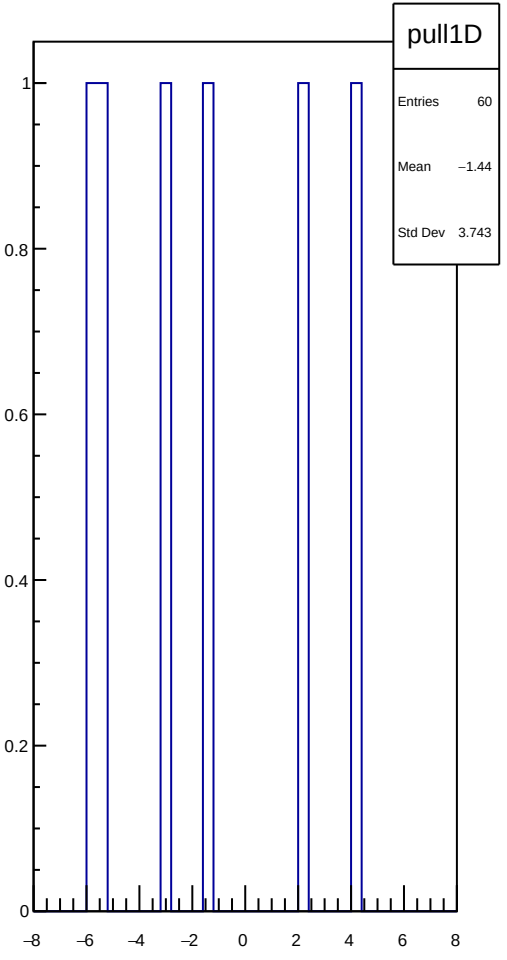

yield_sam2_rms vs run
χ² / ndf 5.052e+04 / 59
p0 0.3111 ± 0.0002977
0.8
0.7
0.6
0.5
0.4
0.3
0.2

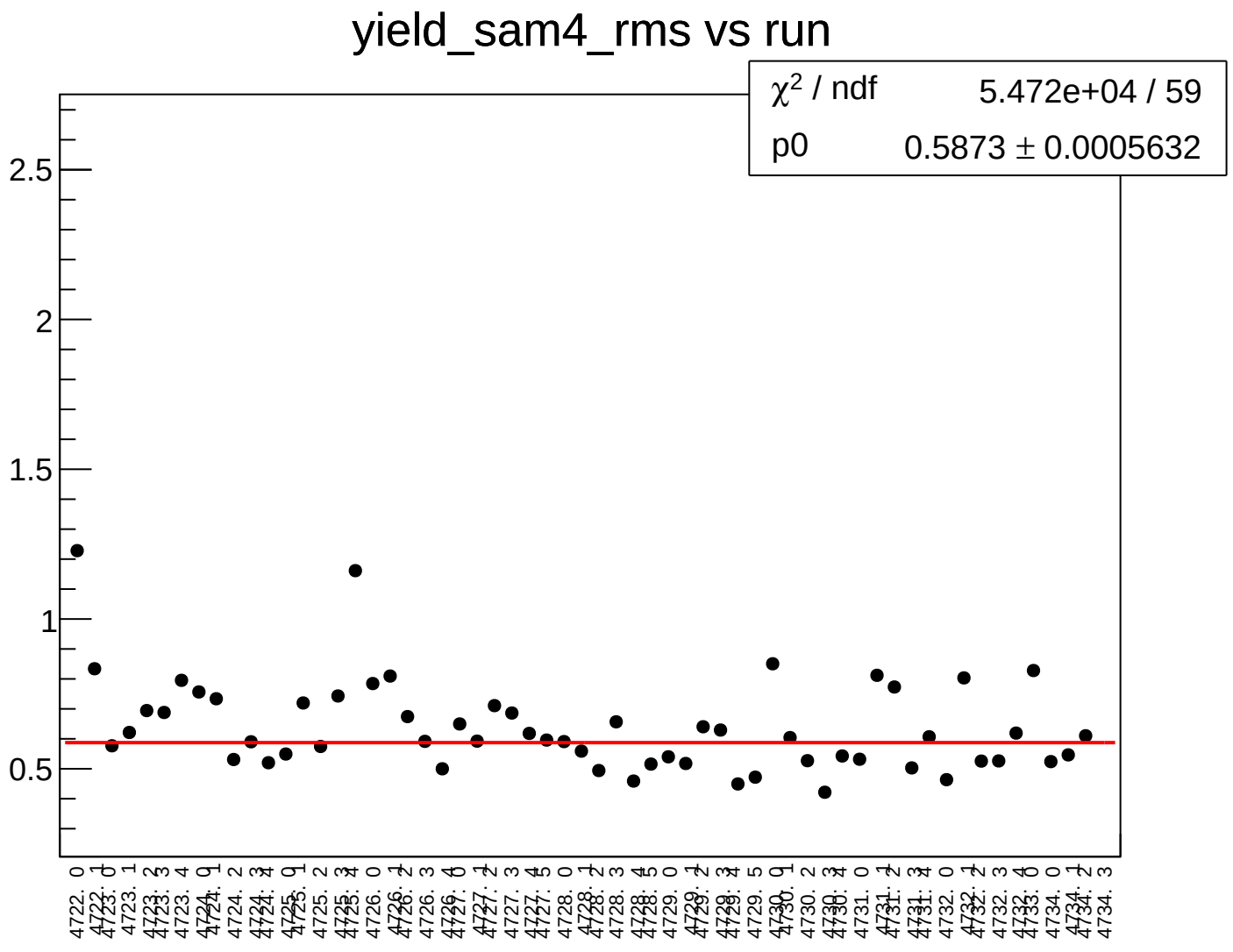

yield_sam3_mean vs run
χ² / ndf 2.662e+04 / 59
p0 19.84 ± 0.001359
21.5
21
20.5
20
19.5
pull
Entries 60
Mean −203.8
Std Dev 228.9
60
40
20
0
−20
−40

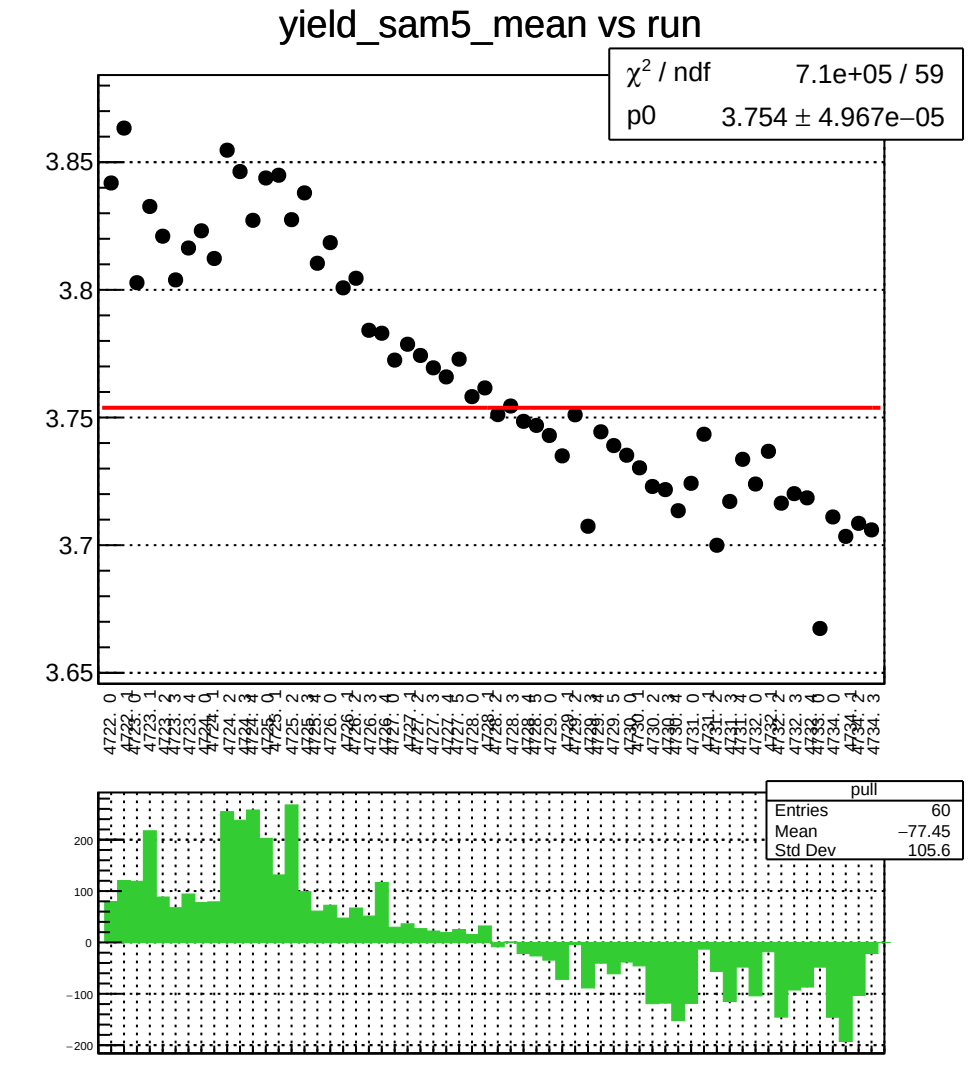

pull1D
Entries 60
Mean 0.08442
Std Dev 3.755
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

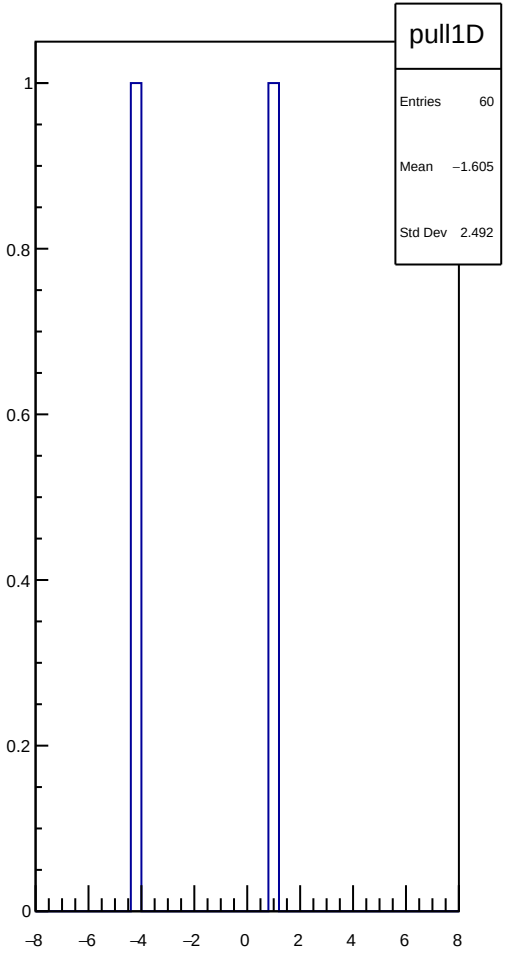

yield_sam3_rms vs run
χ² / ndf 1.904e+04 / 59
p0 1.019 ± 0.0009613
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8

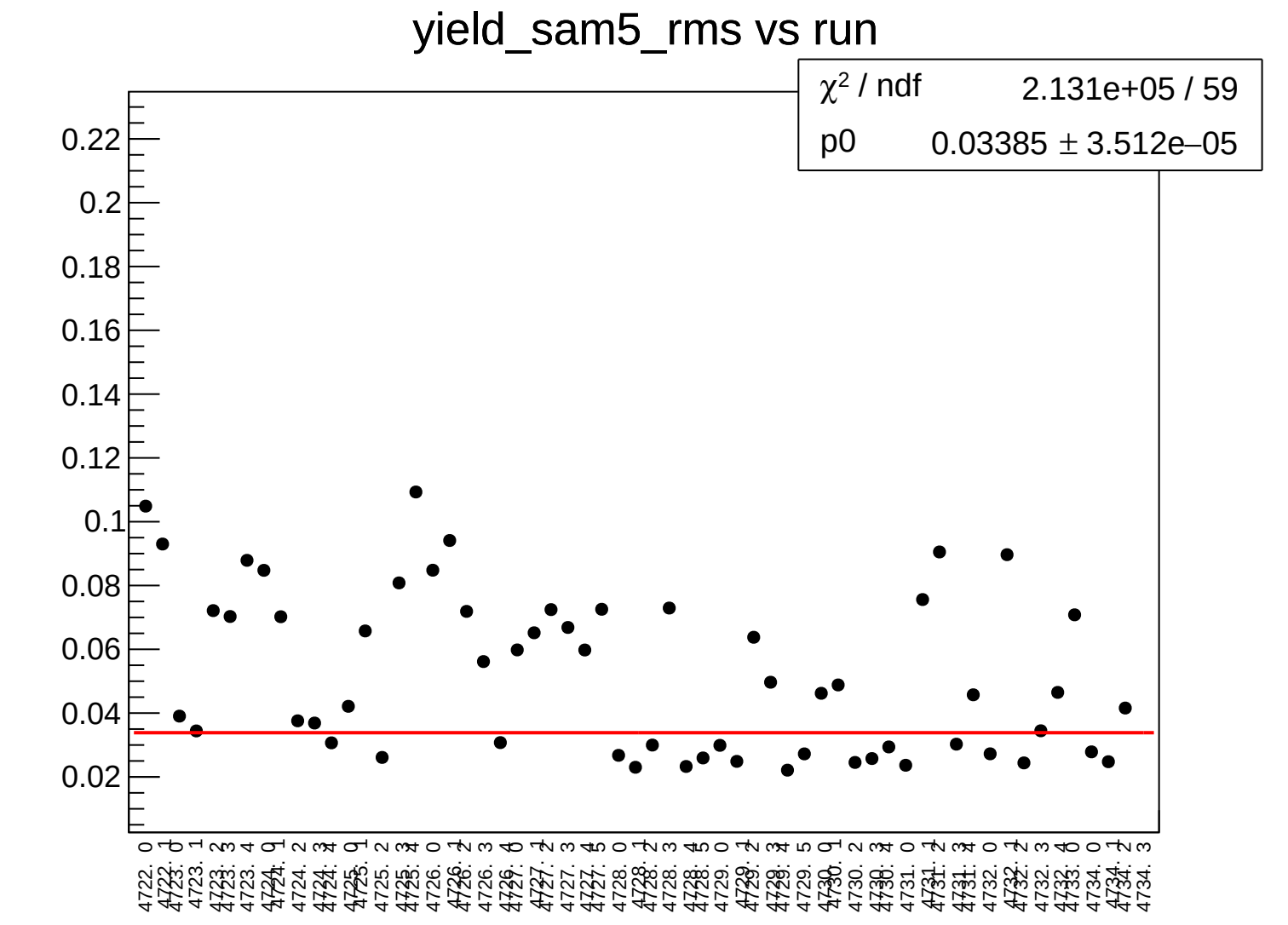

yield_sam4_mean vs run
χ² / ndf 1.456e+05 / 59
p0 20.95 ± 0.0007965
pull
Entries 60
Mean −171.4
Std Dev 197.8

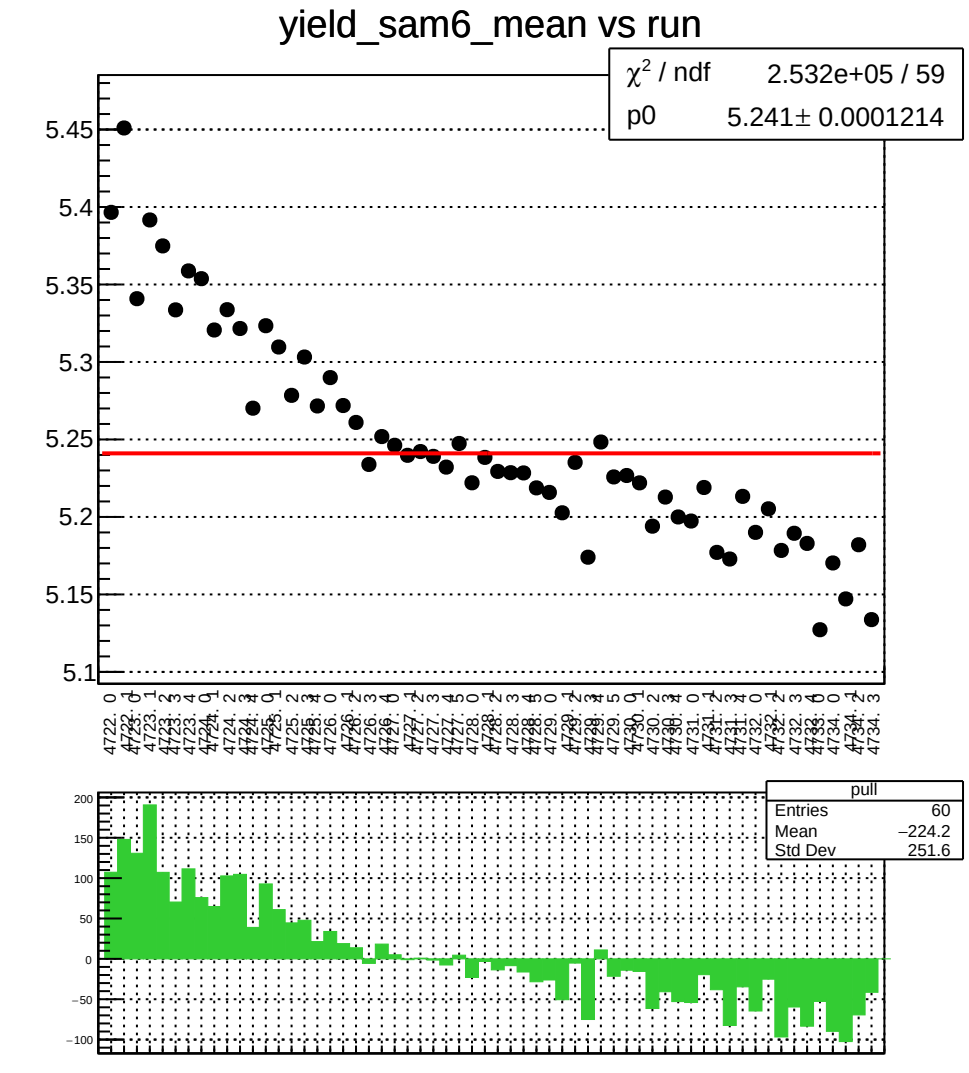

pull1D
Entries 60
Mean −1.44
Std Dev 3.743

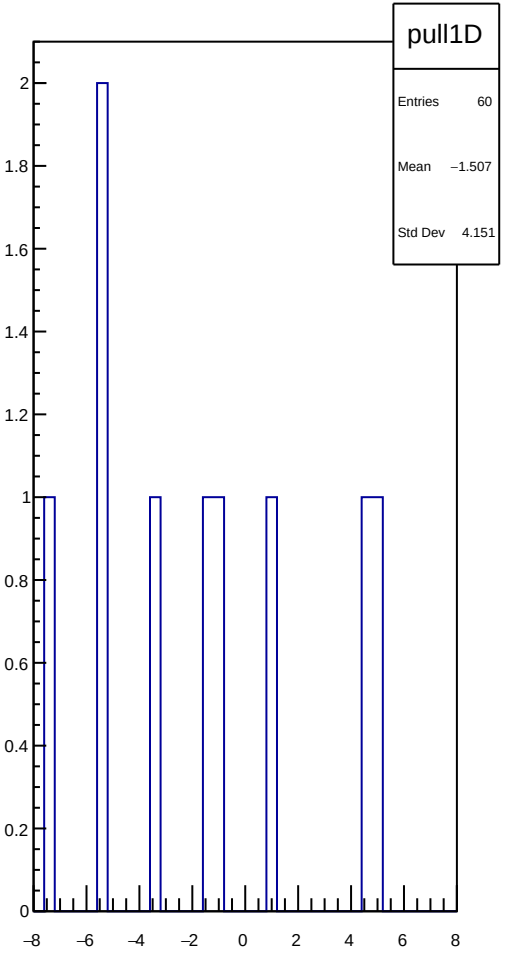

yield_sam4_rms vs run
χ² / ndf 5.472e+04 / 59
p0 0.5873 ± 0.0005632
2.5
2
1.5
1
0.5

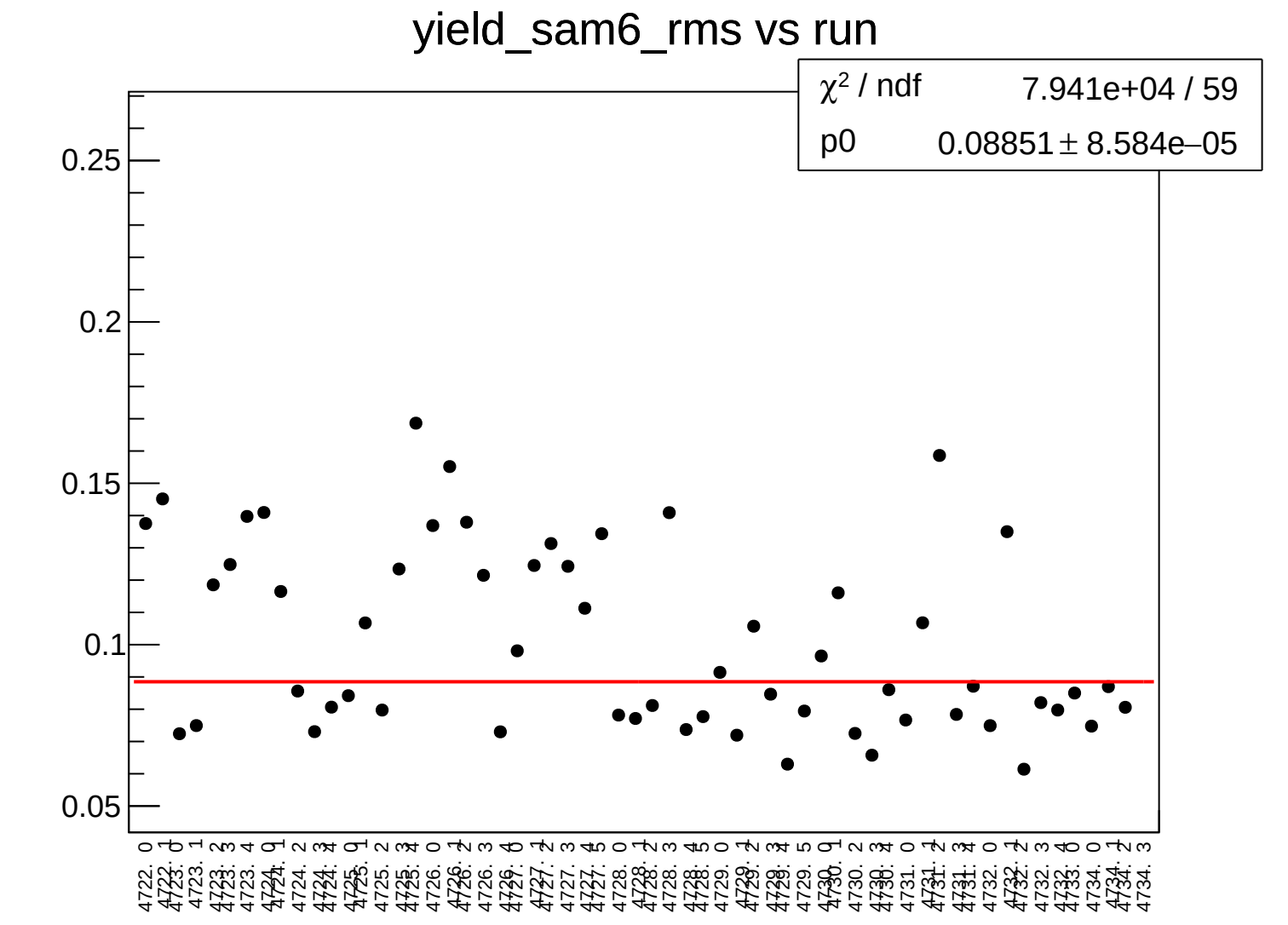

yield_sam5_mean vs run
χ² / ndf 7.1e+05 / 59
p0 3.754 ± 4.967e−05
3.85
3.8
3.75
3.7
3.65
pull
Entries 60
Mean −77.45
Std Dev 105.6
200
100
0
−100
−200

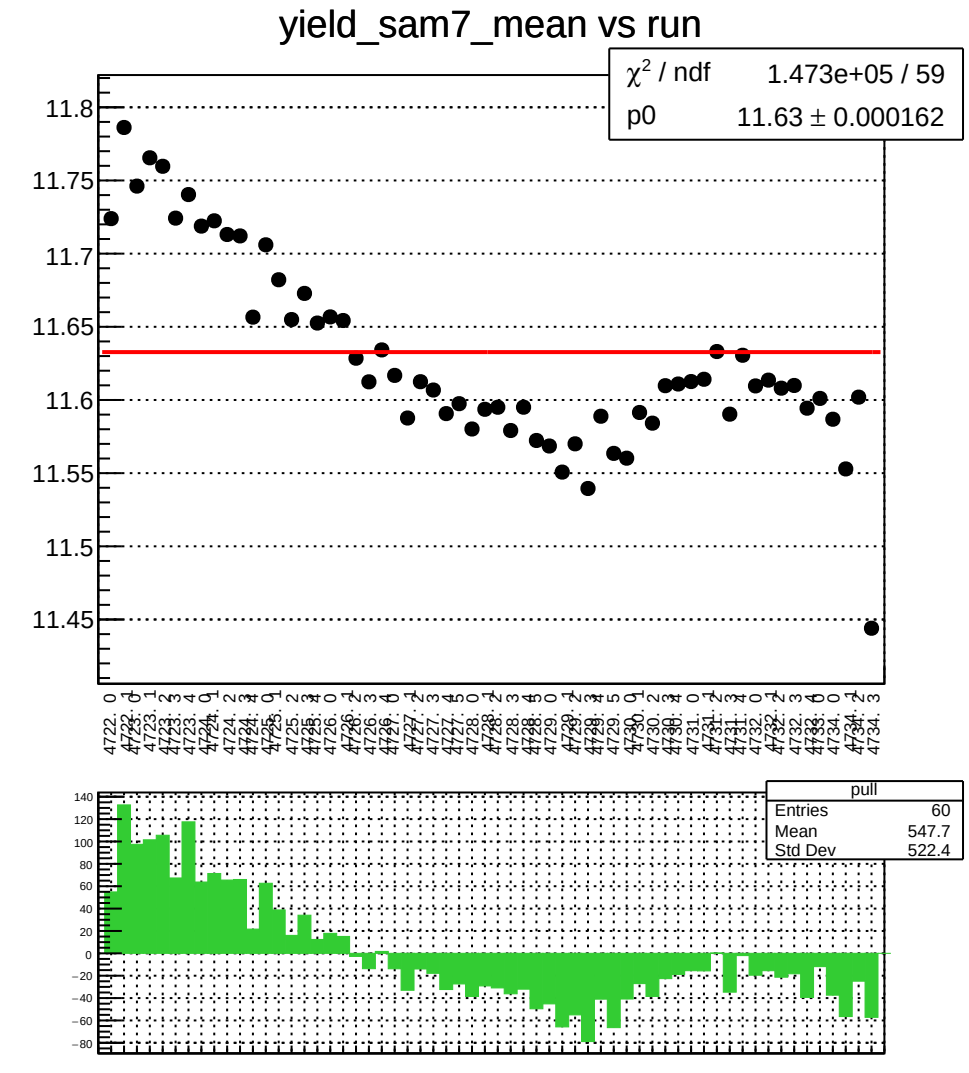

pull1D
Entries 60
Mean −1.605
Std Dev 2.492
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

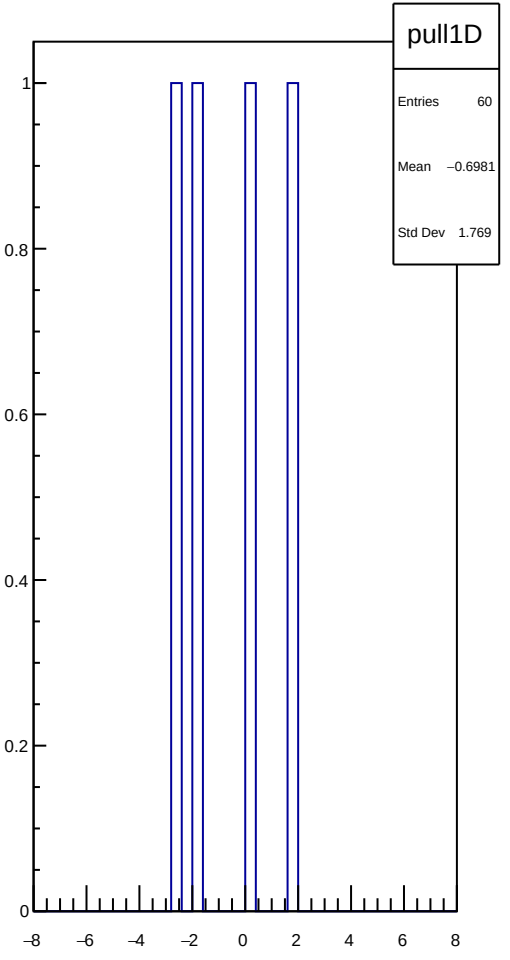

yield_sam5_rms vs run
χ² / ndf 2.131e+05 / 59
p0 0.03385 ± 3.512e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

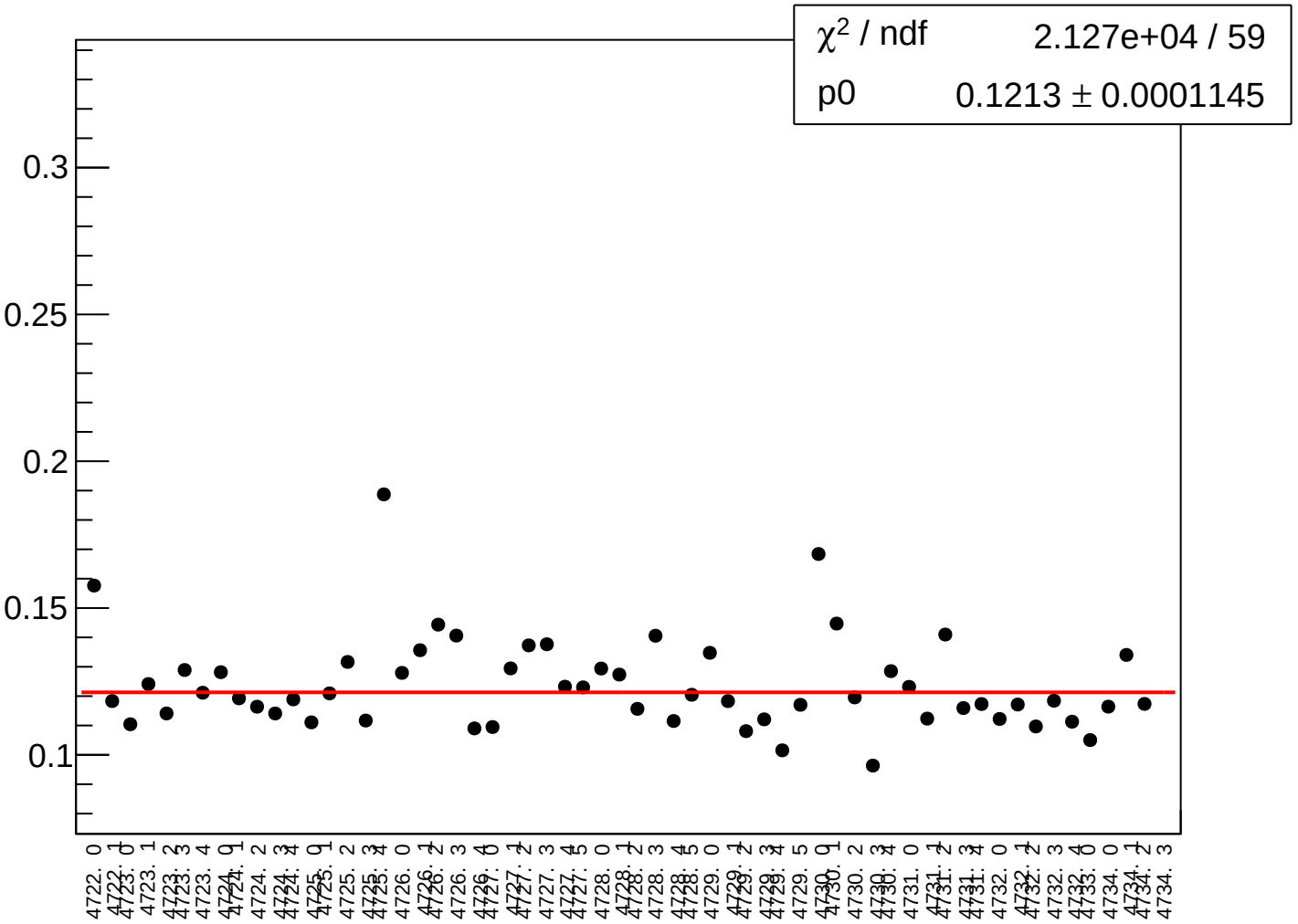

yield_sam6_mean vs run
χ² / ndf 2.532e+05 / 59
p0 5.241± 0.0001214
5.45
5.4
5.35
5.3
5.25
5.2
5.15
5.1
pull
Entries 60
Mean −224.2
Std Dev 251.6
200
150
100
50
0
−50
−100

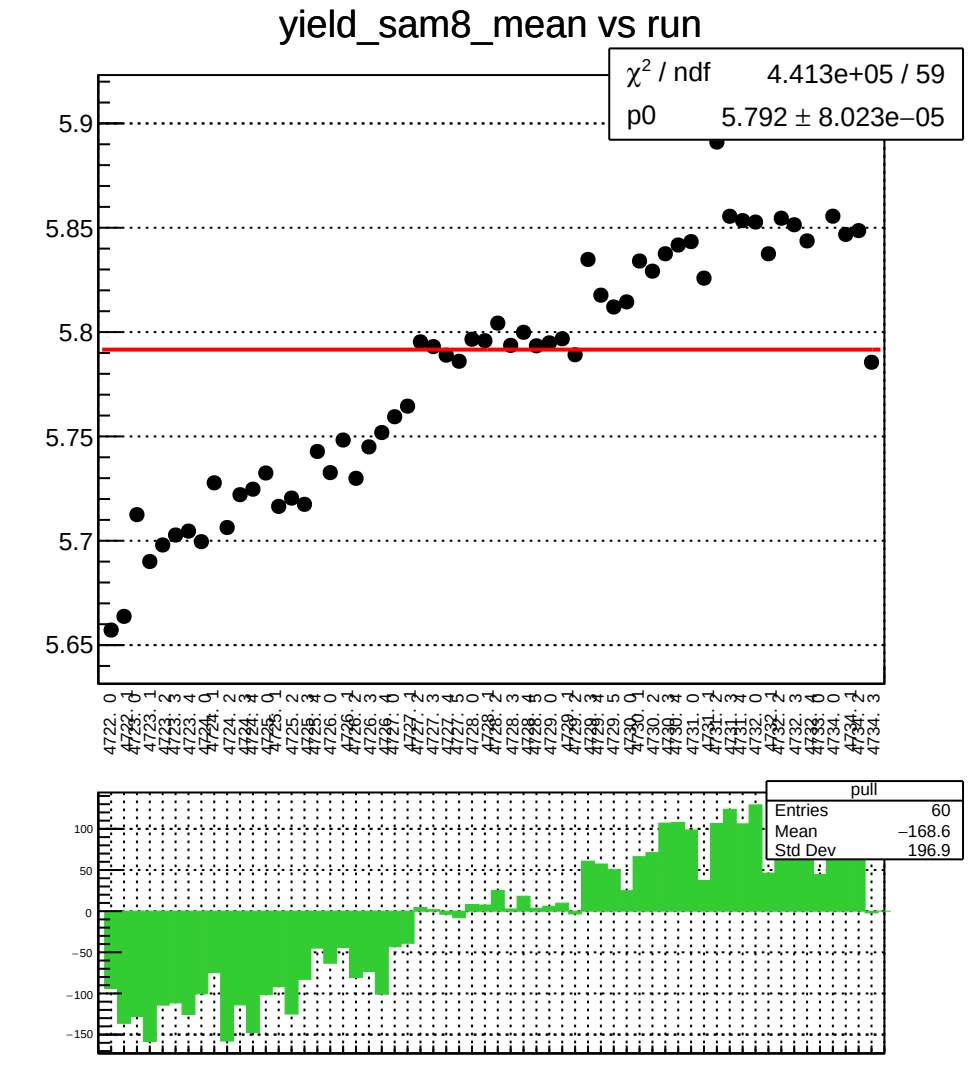

pull1D
Entries 60
Mean −1.507
Std Dev 4.151
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

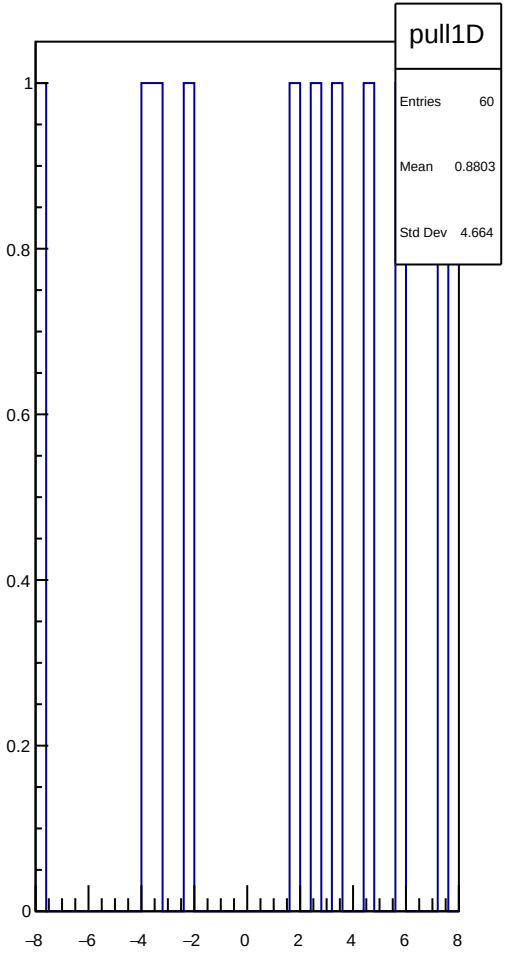

yield_sam6_rms vs run
χ² / ndf 7.941e+04 / 59
p0 0.08851 ± 8.584e–05
0.25
0.2
0.15
0.1
0.05
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

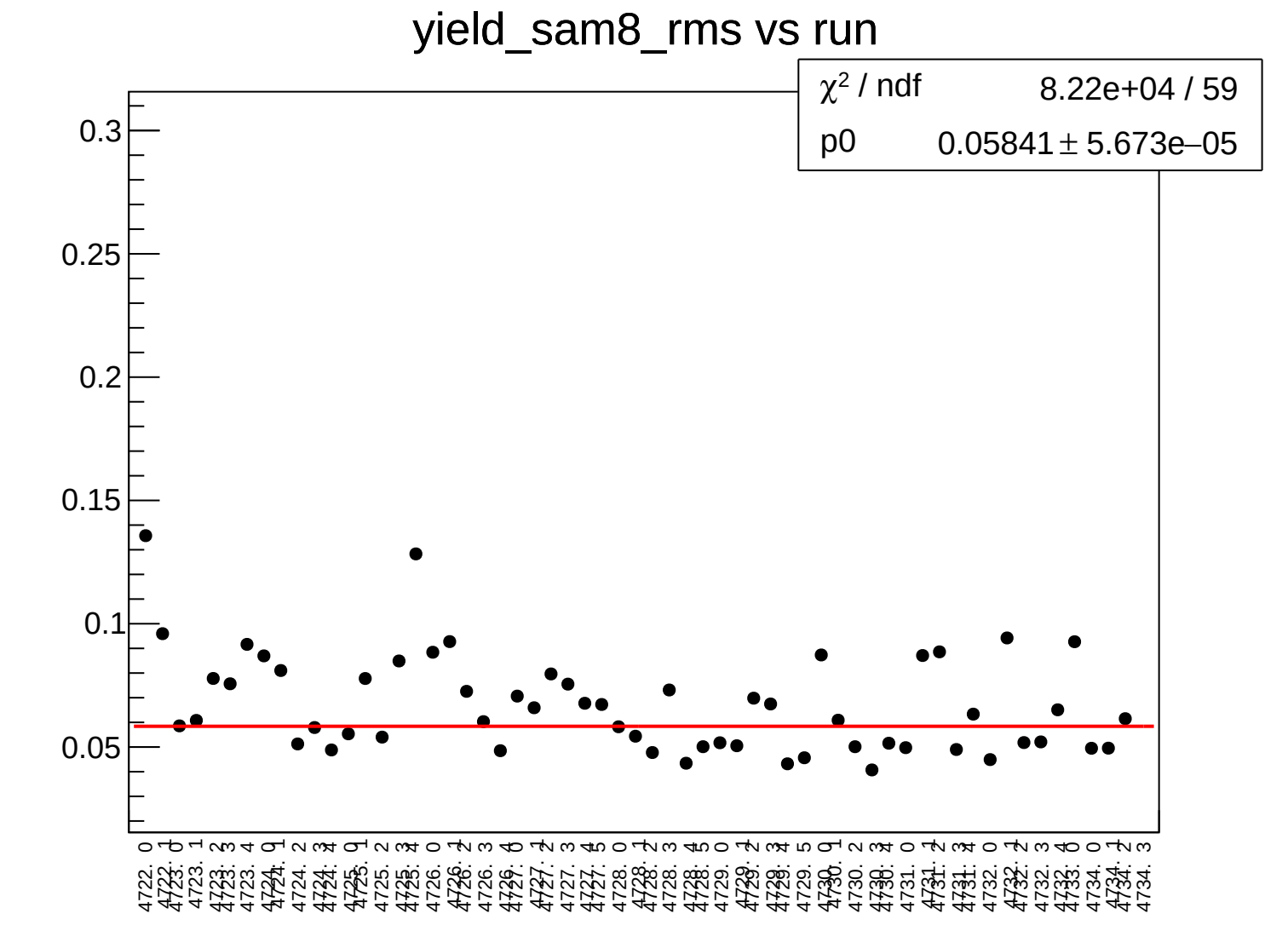

yield_sam7_mean vs run
χ² / ndf 1.473e+05 / 59
p0 11.63 ± 0.000162
11.8
11.75
11.7
11.65
11.6
11.55
11.5
11.45
pull
Entries 60
Mean 547.7
Std Dev 522.4
140
120
100
80
60
40
20
0
−20
−40
−60
−80

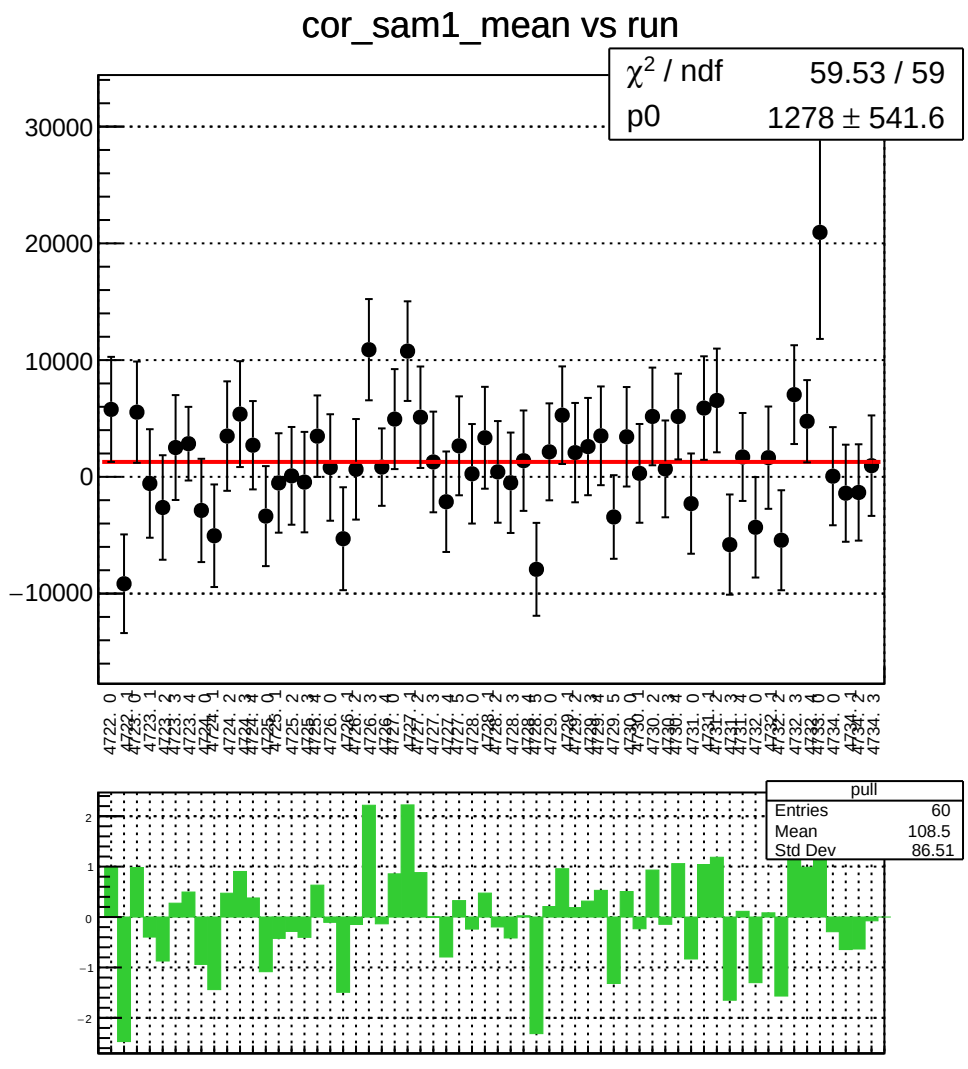

pull1D
Entries 60
Mean −0.6981
Std Dev 1.769
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

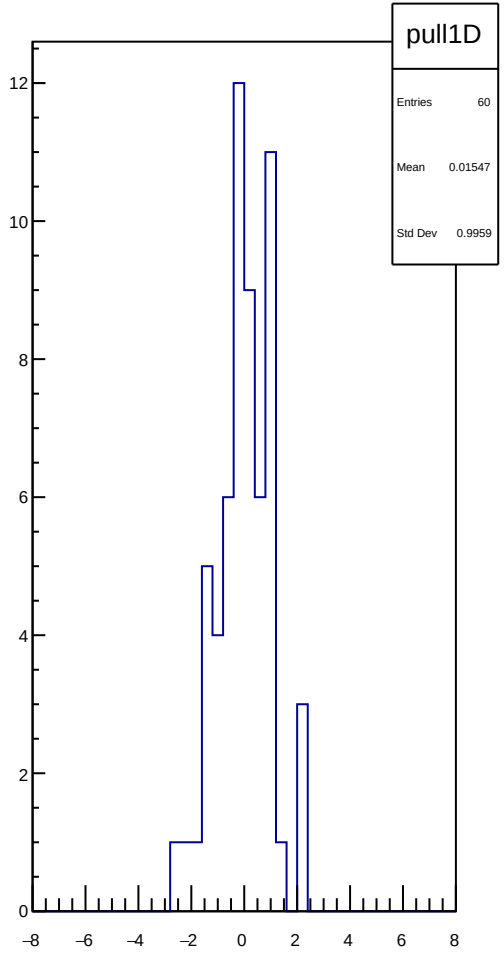

yield_sam7_rms vs run
χ² / ndf 2.127e+04 / 59
p0 0.1213 ± 0.0001145
0.3
0.25
0.2
0.15
0.1

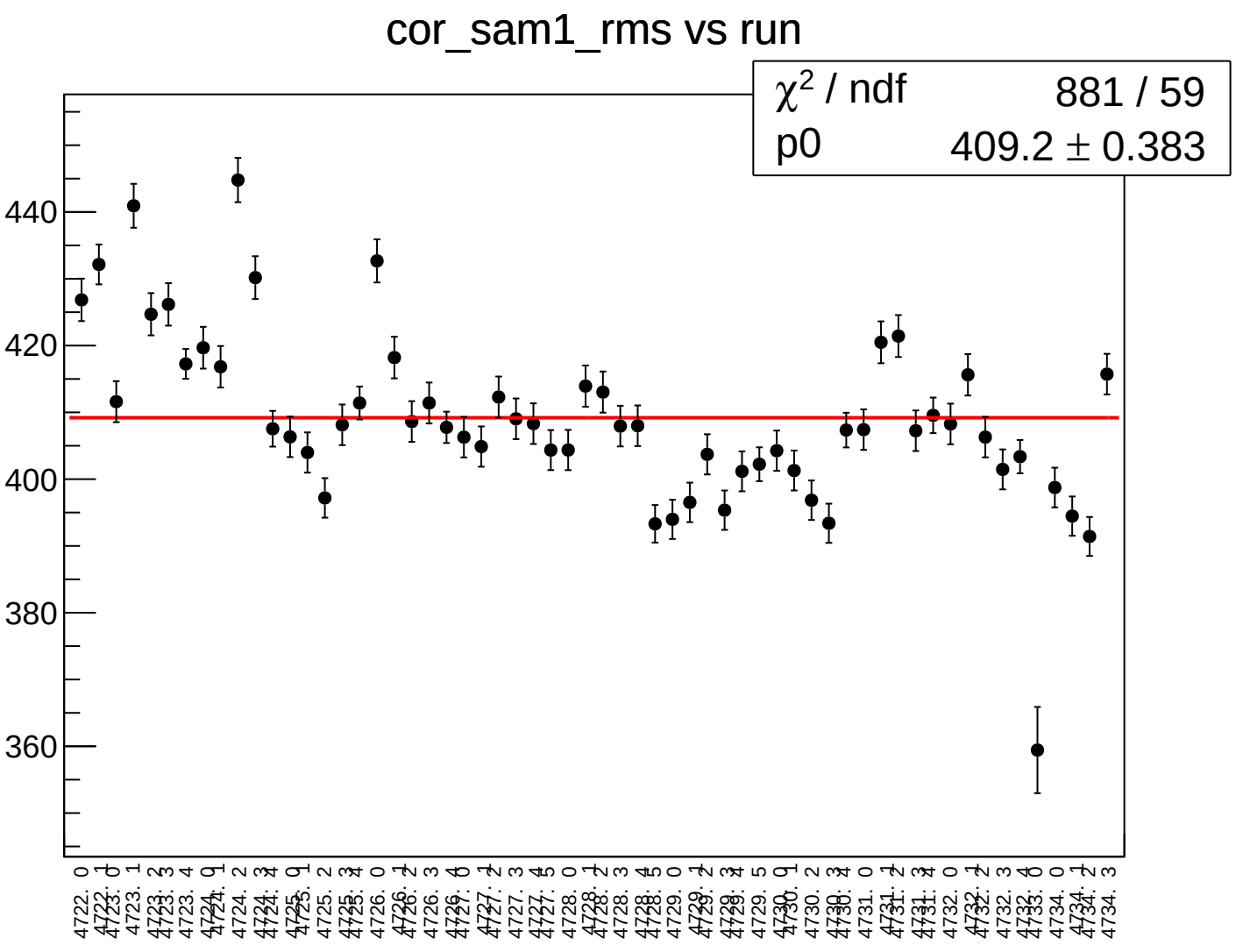

yield_sam8_mean vs run
χ² / ndf 4.413e+05 / 59
p0 5.792 ± 8.023e−05
5.9
5.85
5.8
5.75
5.7
5.65
pull
Entries 60
Mean −168.6
Std Dev 196.9
100
50
0
−50
−100
−150

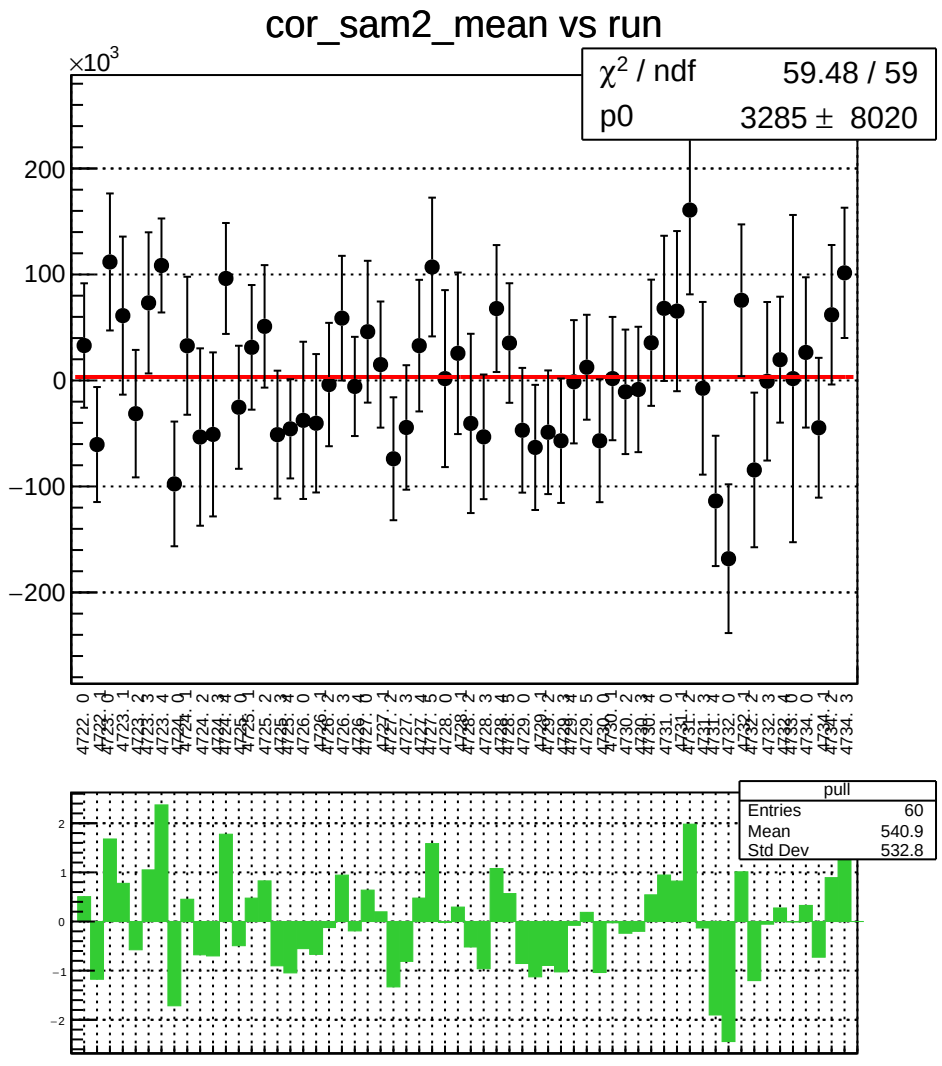

pull1D
Entries 60
Mean 0.8803
Std Dev 4.664
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

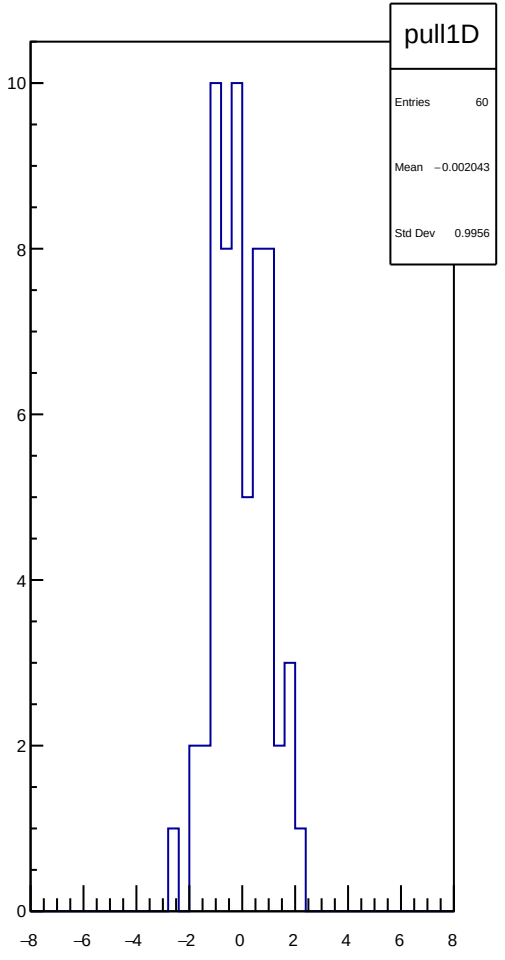

yield_sam8_rms vs run
χ² / ndf 8.22e+04 / 59
p0 0.05841 ± 5.673e–05
0.3
0.25
0.2
0.15
0.1
0.05

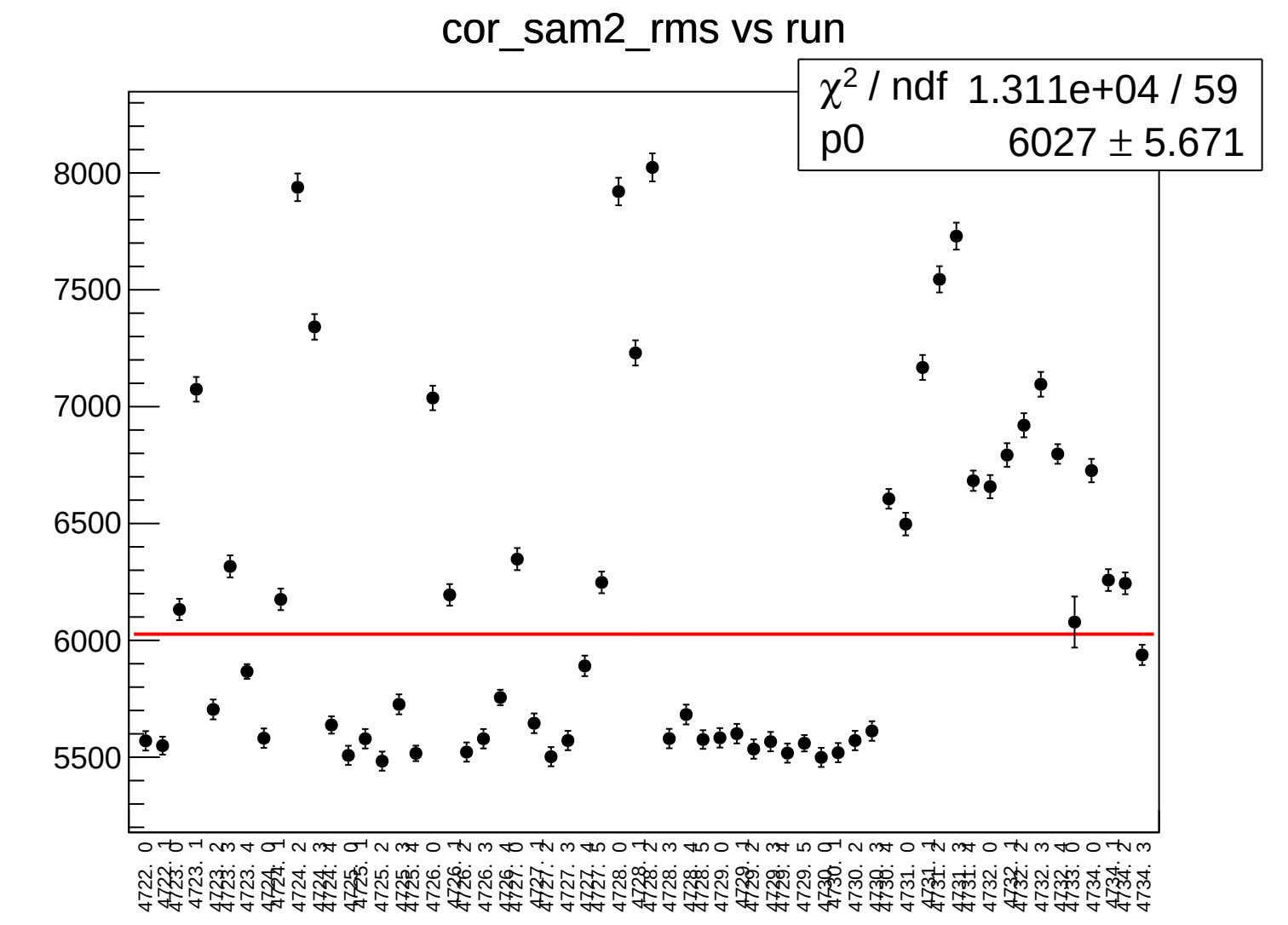

cor_sam1_mean vs run
χ^2 / ndf 59.53 / 59
p0 1278 ± 541.6
30000
20000
10000
0
−10000
pull
Entries 60
Mean 108.5
Std Dev 86.51
2
1
0
−1
−2

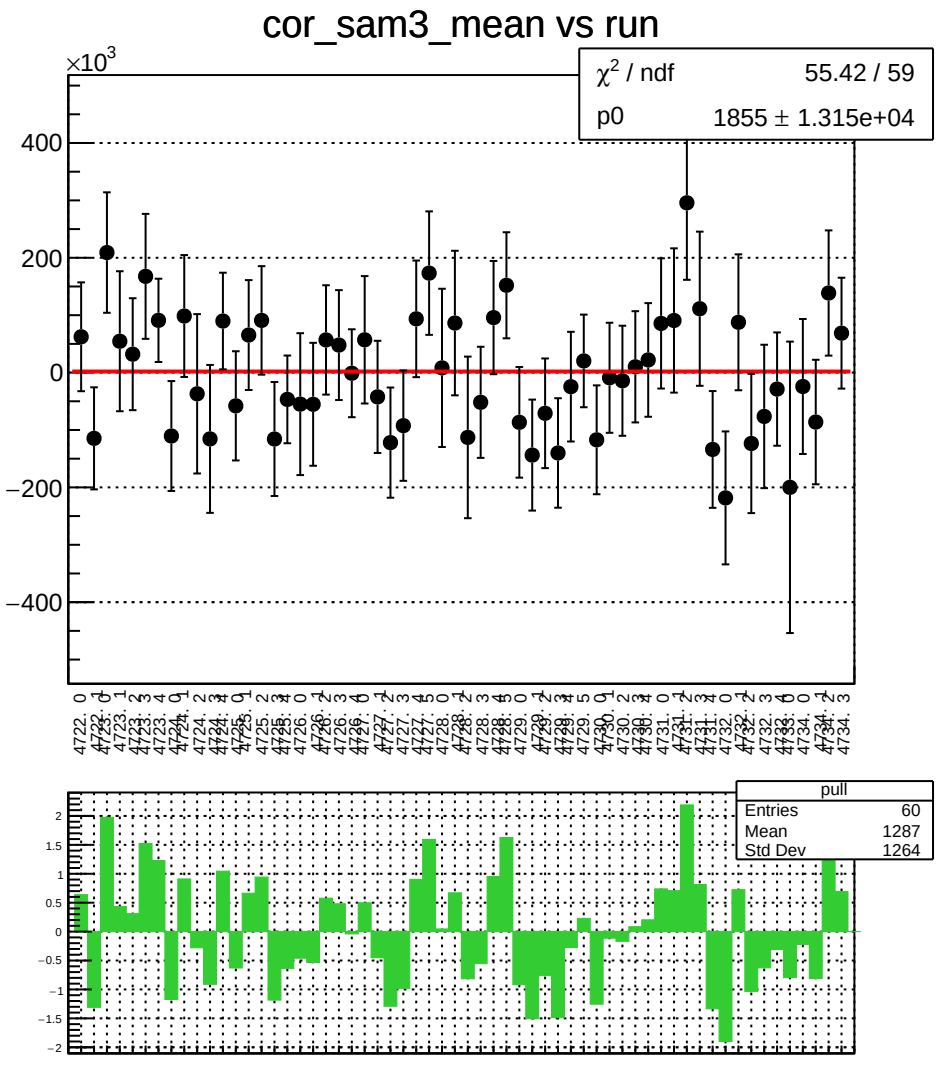

pull1D
Entries 60
Mean 0.01547
Std Dev 0.9959
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

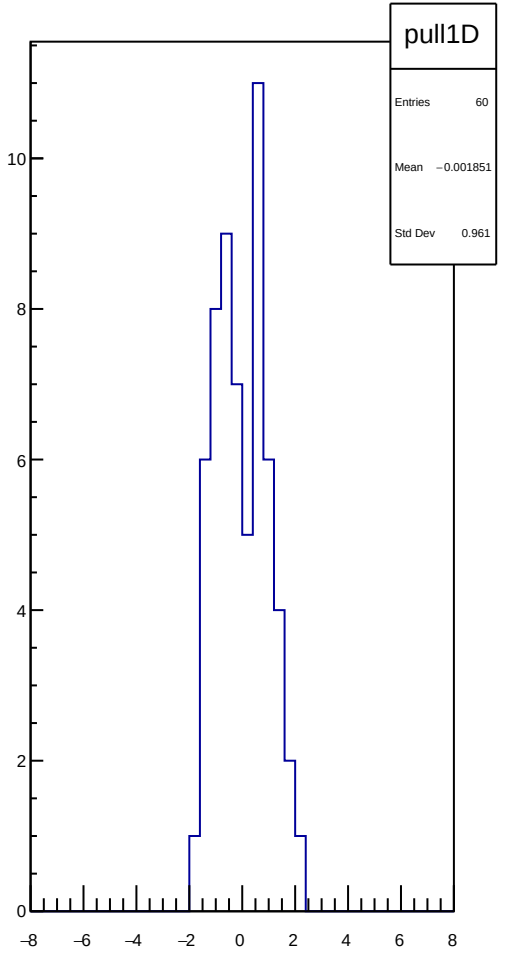

cor_sam1_rms vs run
χ² / ndf 881 / 59
p0 409.2 ± 0.383
440
420
400
380
360
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

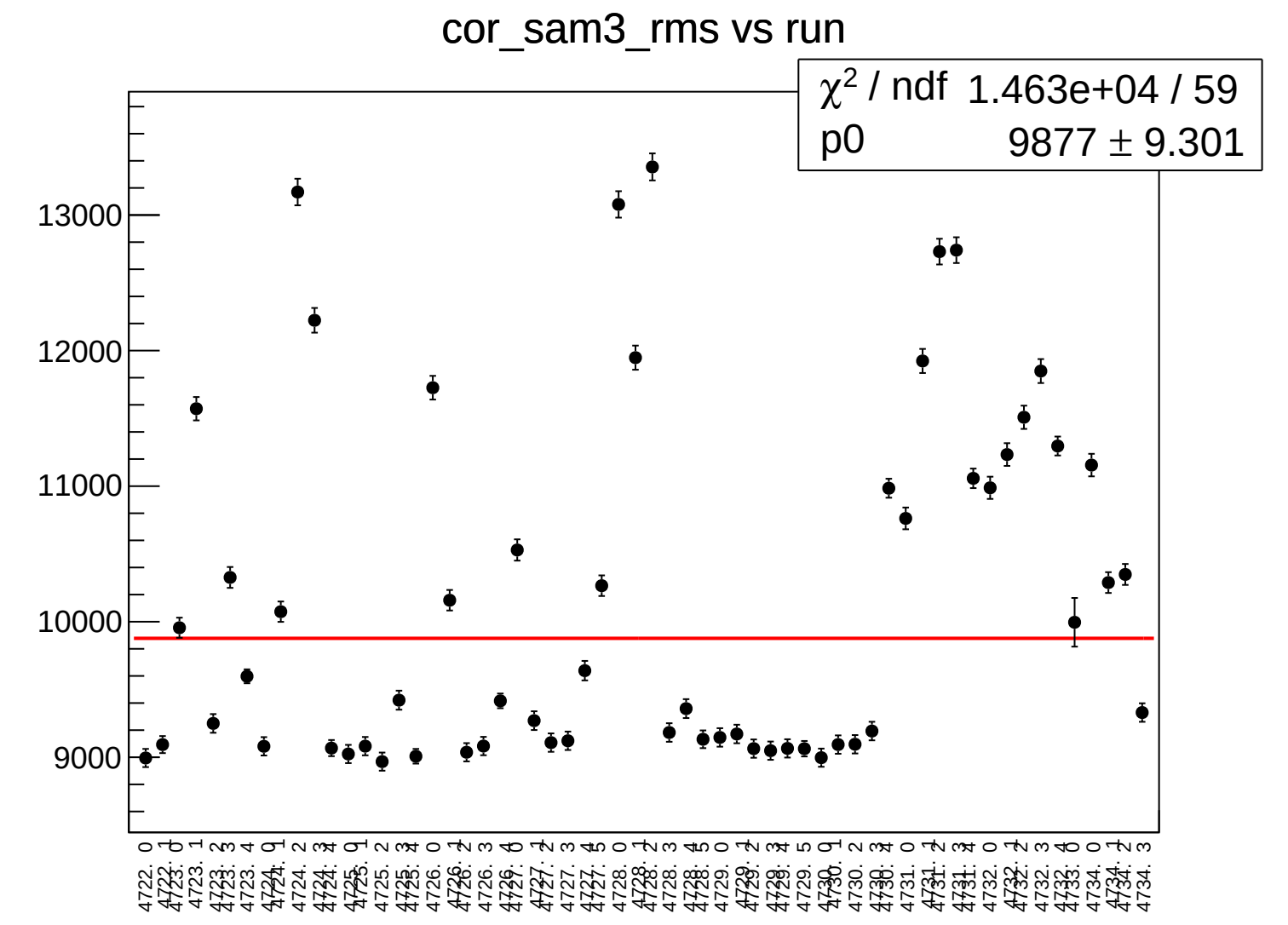

cor_sam2_mean vs run
×10^3
χ² / ndf 59.48 / 59
p0 3285 ± 8020
200
100
0
−100
−200
pull
Entries 60
Mean 540.9
Std Dev 532.8
2
1
0
−1
−2

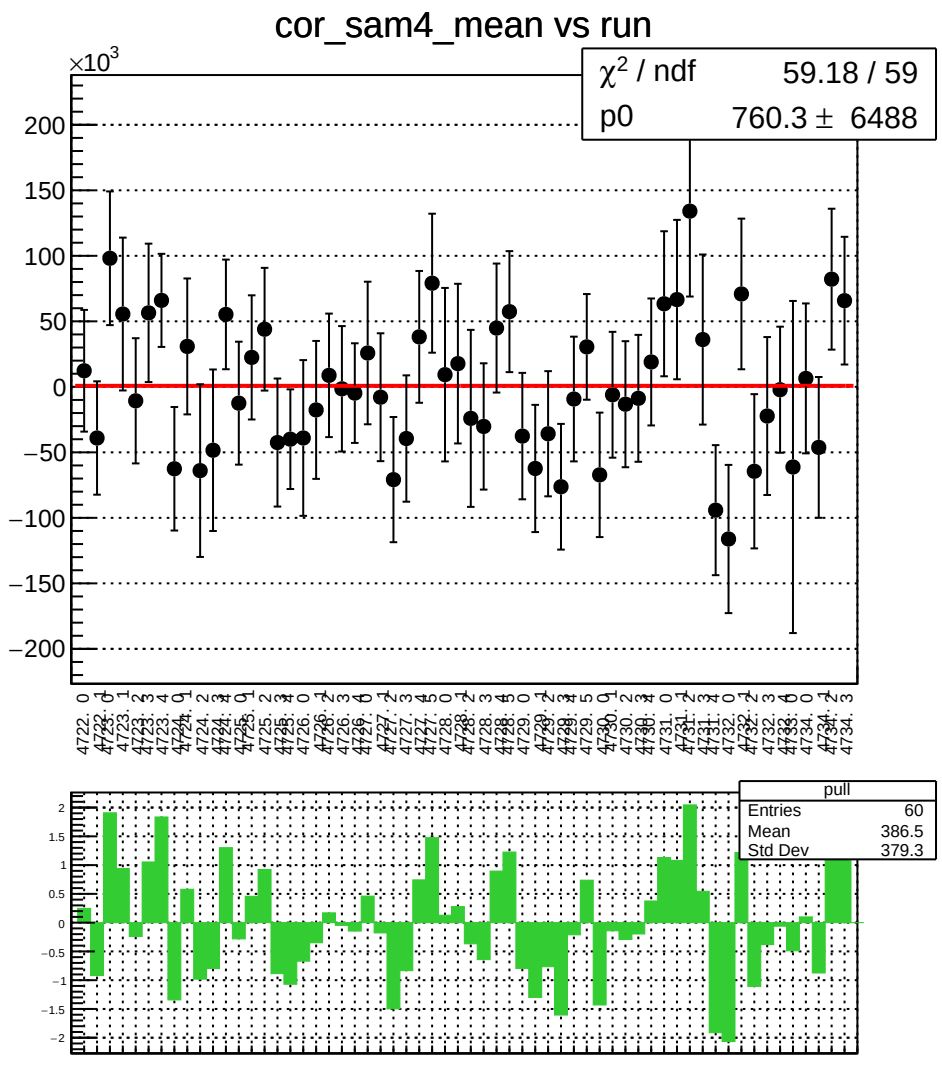

pull1D
Entries 60
Mean −0.002043
Std Dev 0.9956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

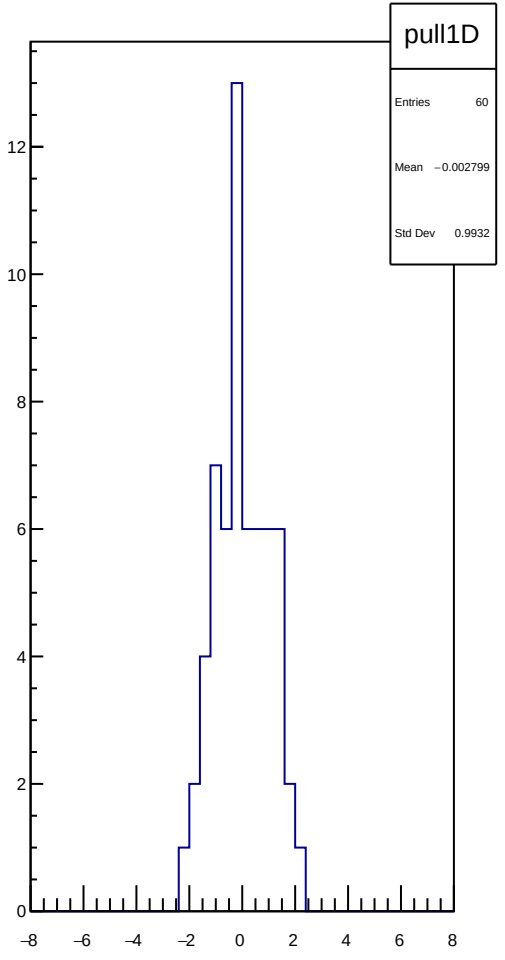

cor_sam2_rms vs run
χ² / ndf 1.311e+04 / 59
p0 6027 ± 5.671
8000
7500
7000
6500
6000
5500

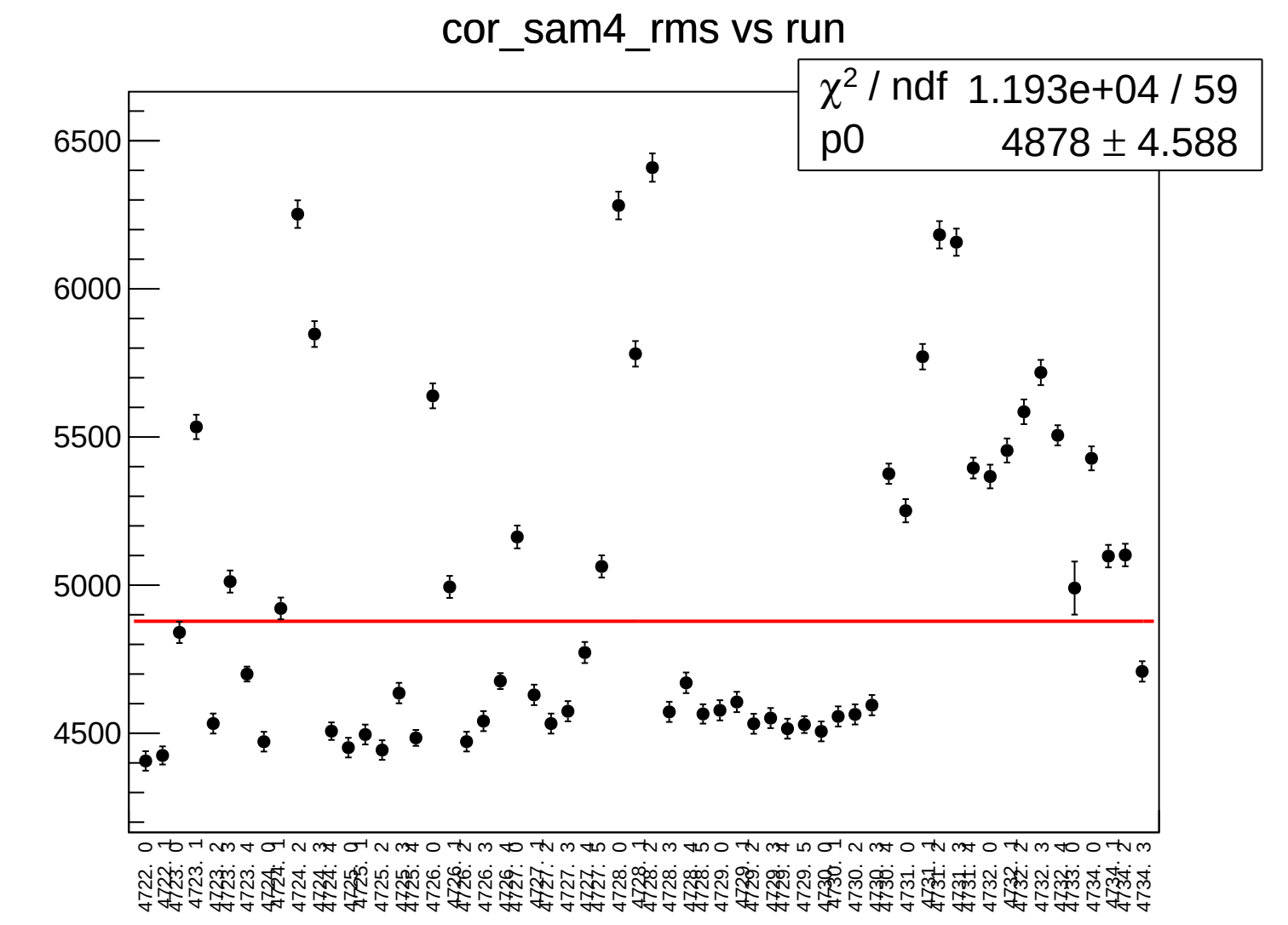

cor_sam3_mean vs run
×10^3
χ² / ndf 55.42 / 59
p0 1855 ± 1.315e+04
400
200
0
−200
−400
pull
Entries 60
Mean 1287
Std Dev 1264
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

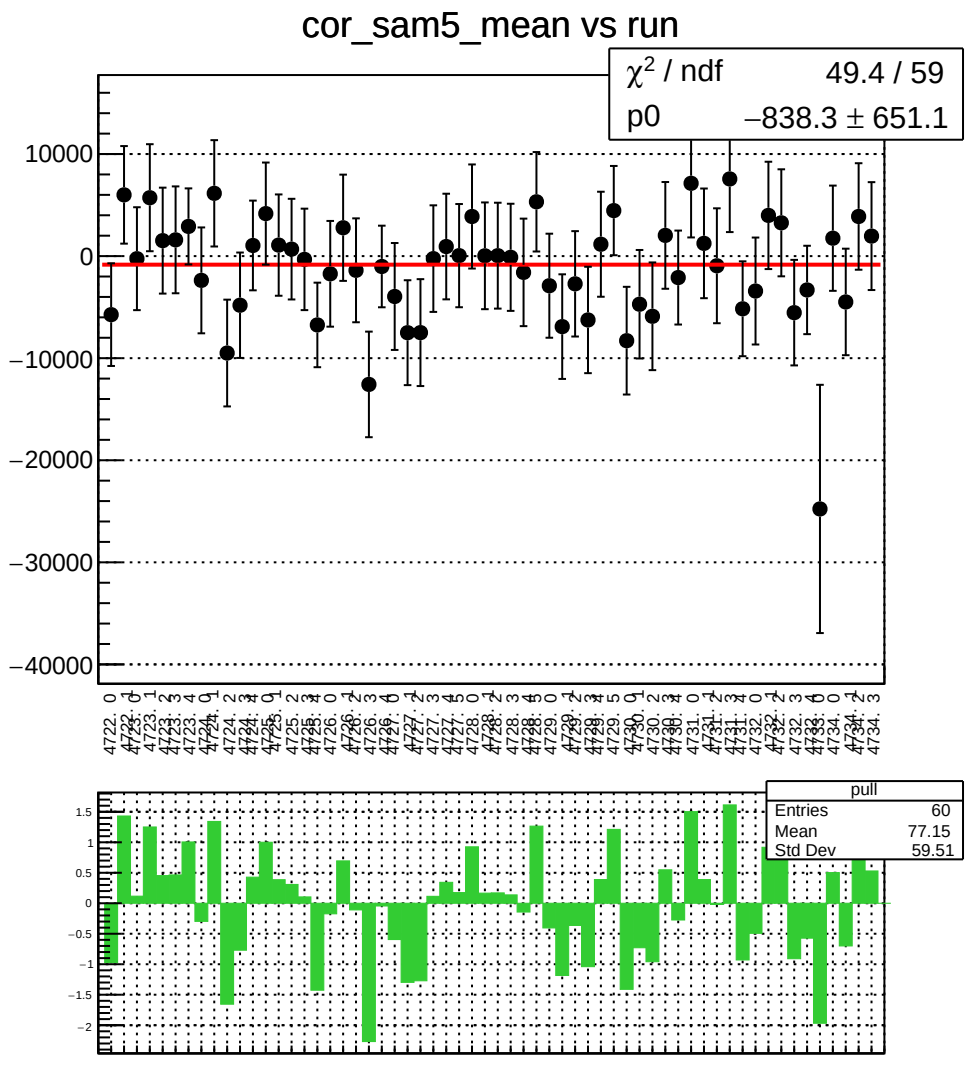

pull1D
Entries 60
Mean −0.001851
Std Dev 0.961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

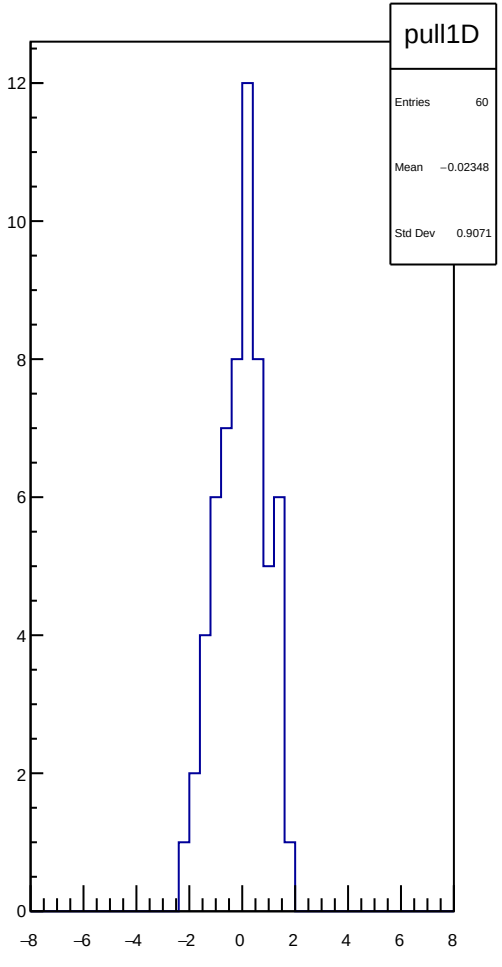

cor_sam3_rms vs run
χ² / ndf 1.463e+04 / 59
p0 9877 ± 9.301
13000
12000
11000
10000
9000

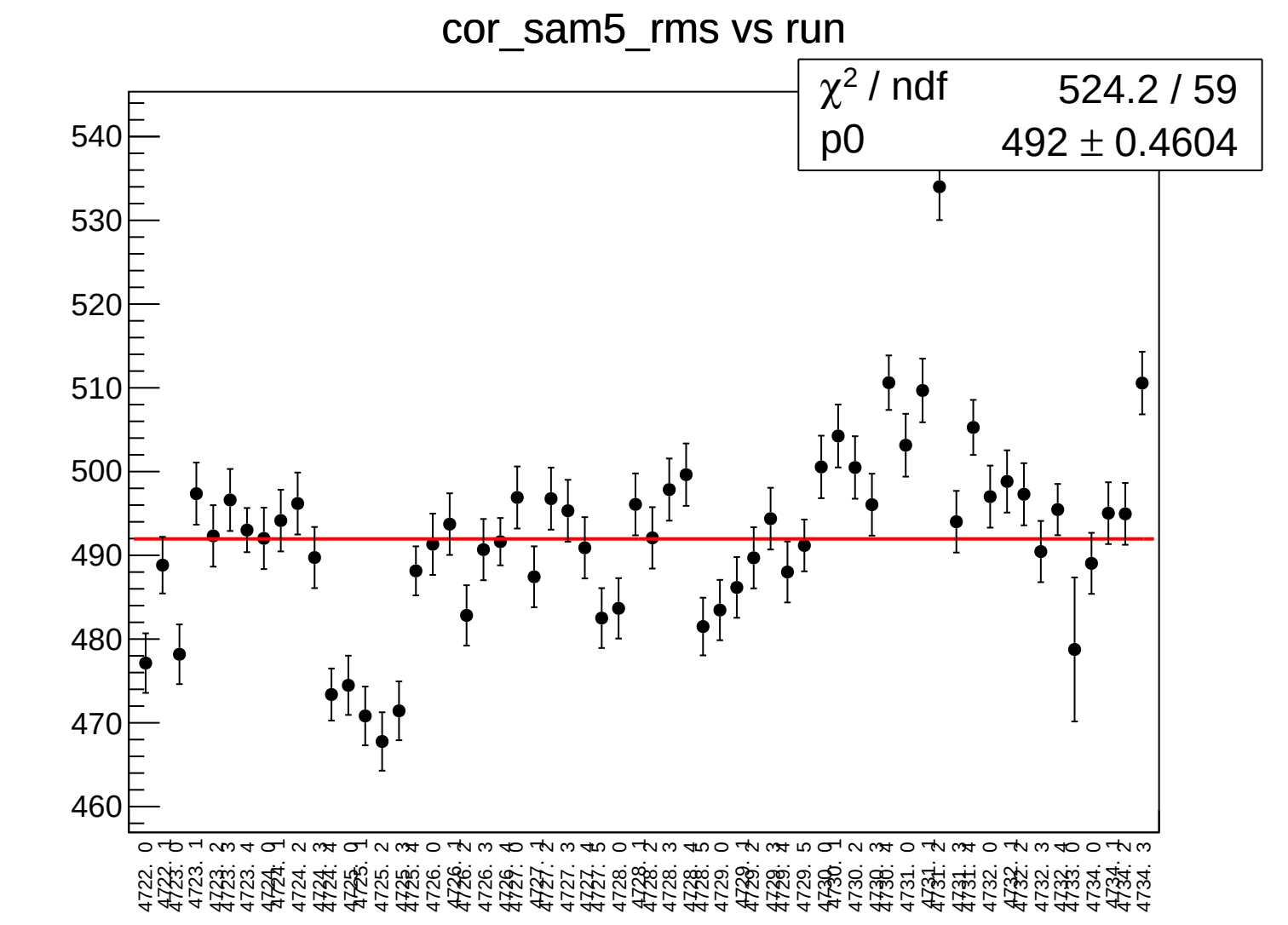

cor_sam4_mean vs run
×10^3
χ² / ndf 59.18 / 59
p0 760.3 ± 6488
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 60
Mean 386.5
Std Dev 379.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

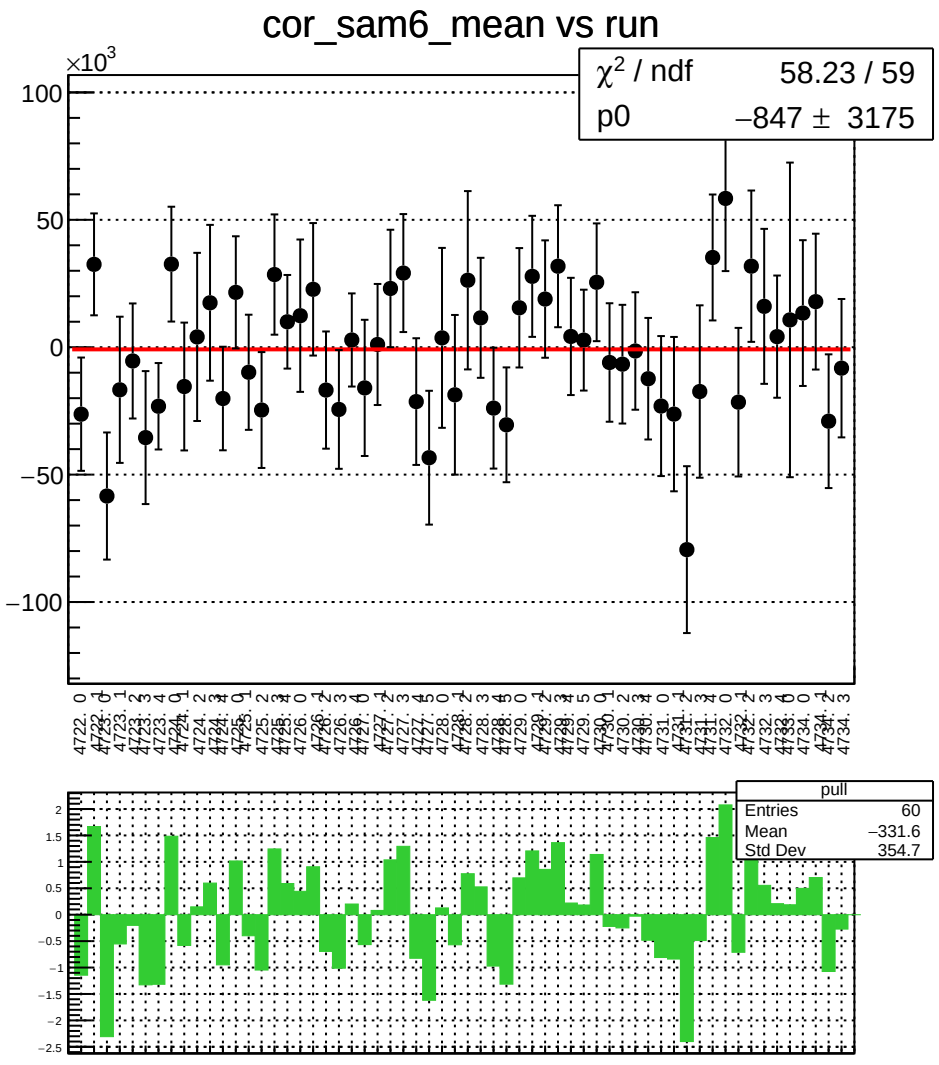

pull1D
Entries 60
Mean −0.002799
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

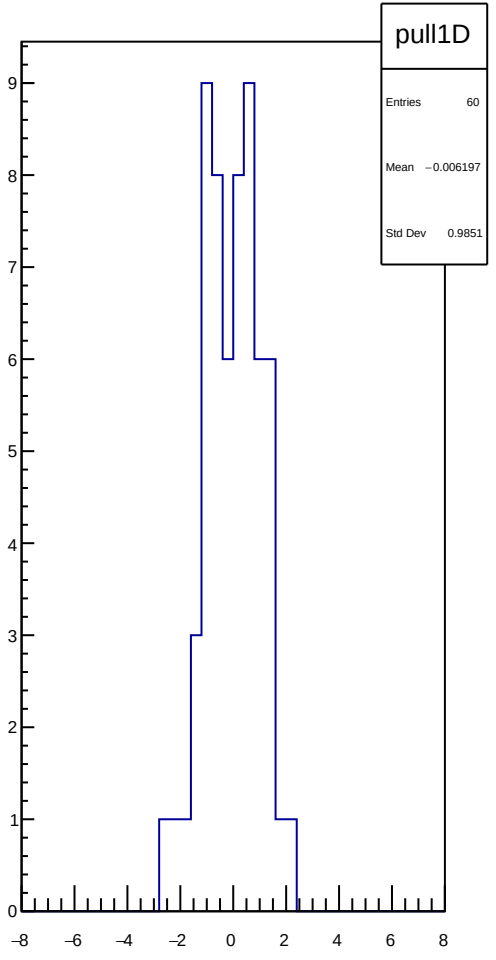

cor_sam4_rms vs run
χ² / ndf 1.193e+04 / 59
p0 4878 ± 4.588
6500
6000
5500
5000
4500

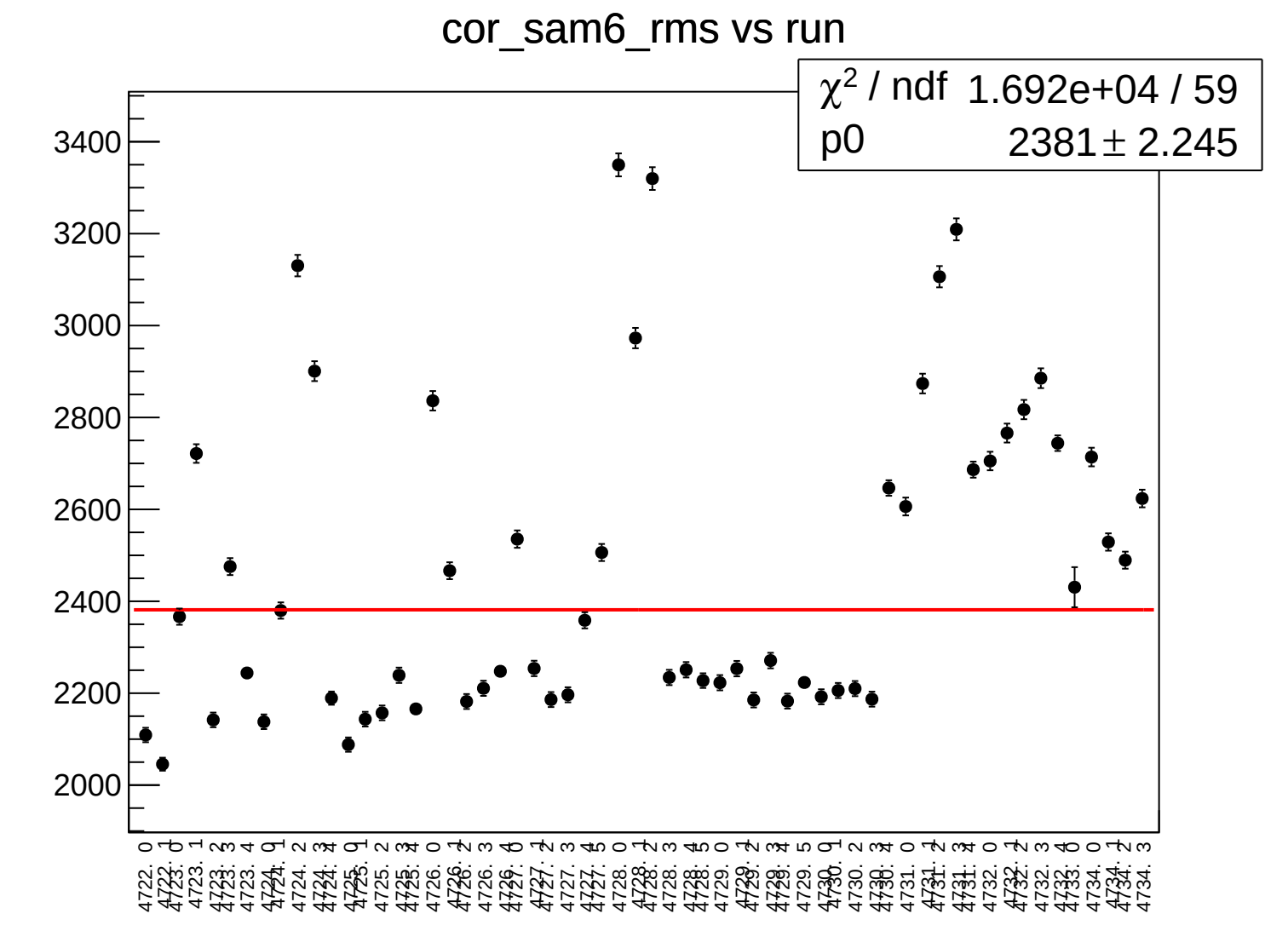

cor_sam5_mean vs run
χ² / ndf 49.4 / 59
p0 −838.3 ± 651.1
10000
0
−10000
−20000
−30000
−40000
pull
Entries 60
Mean 77.15
Std Dev 59.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2

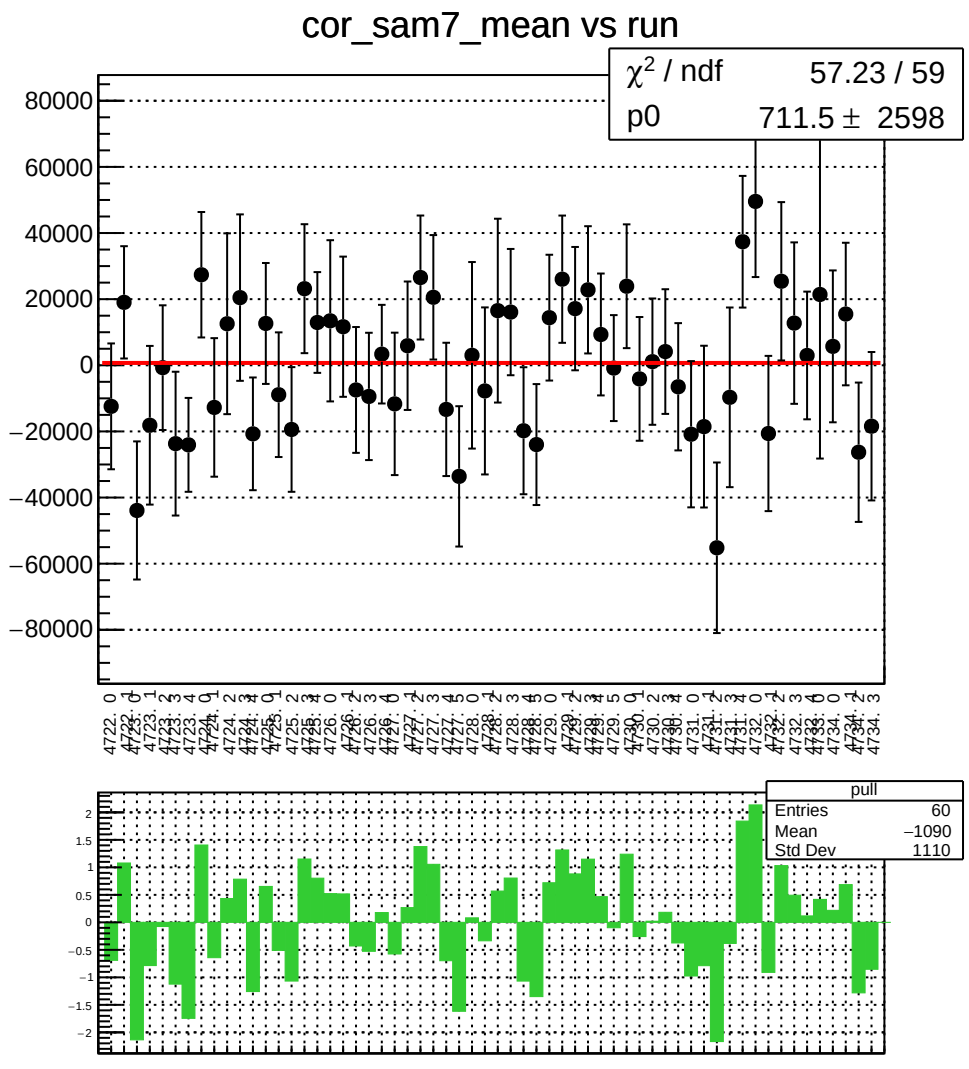

pull1D
Entries 60
Mean −0.02348
Std Dev 0.9071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

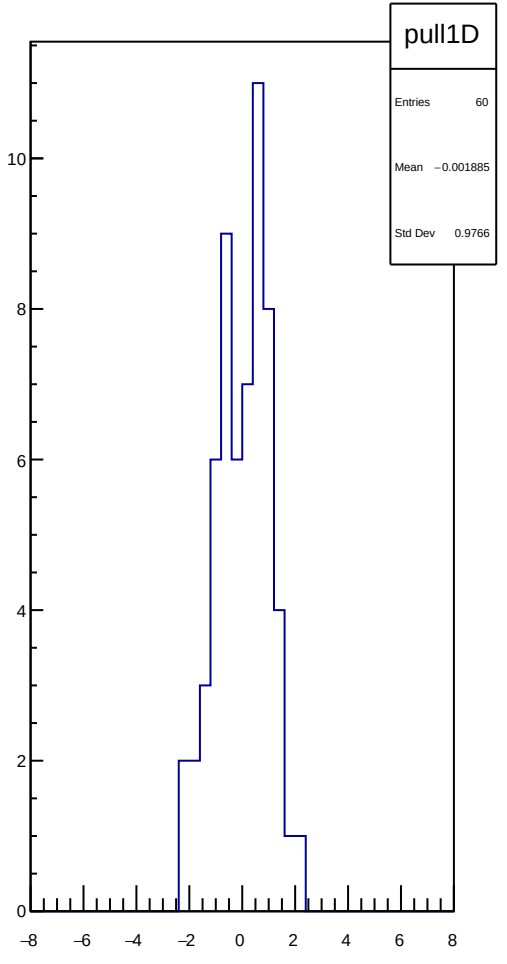

cor_sam5_rms vs run
χ^2 / ndf 524.2 / 59
p0 492 ± 0.4604
540
530
520
510
500
490
480
470
460

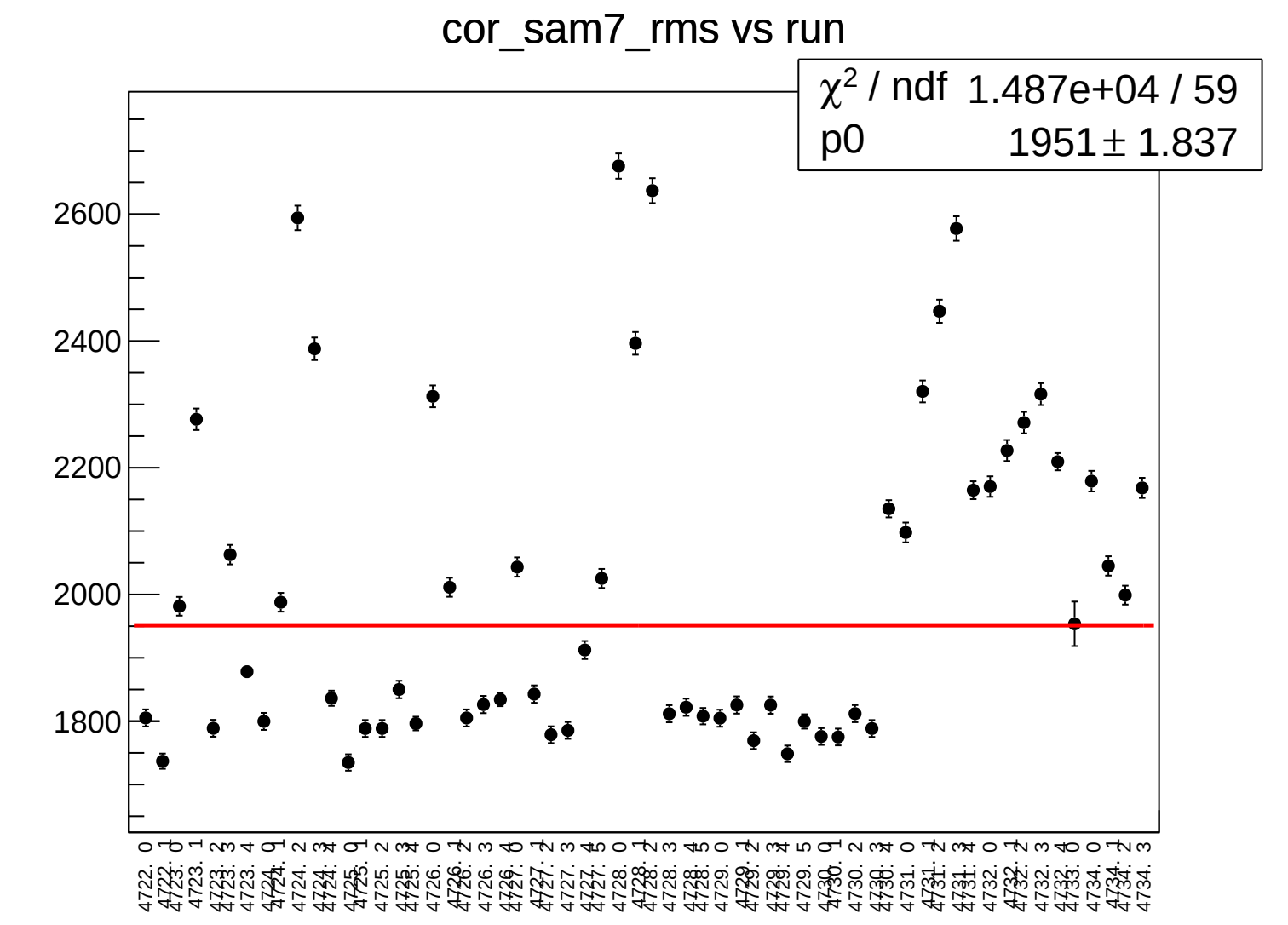

cor_sam6_mean vs run
×10^3
χ² / ndf 58.23 / 59
p0 −847 ± 3175
100
50
0
−50
−100
pull
Entries 60
Mean −331.6
Std Dev 354.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

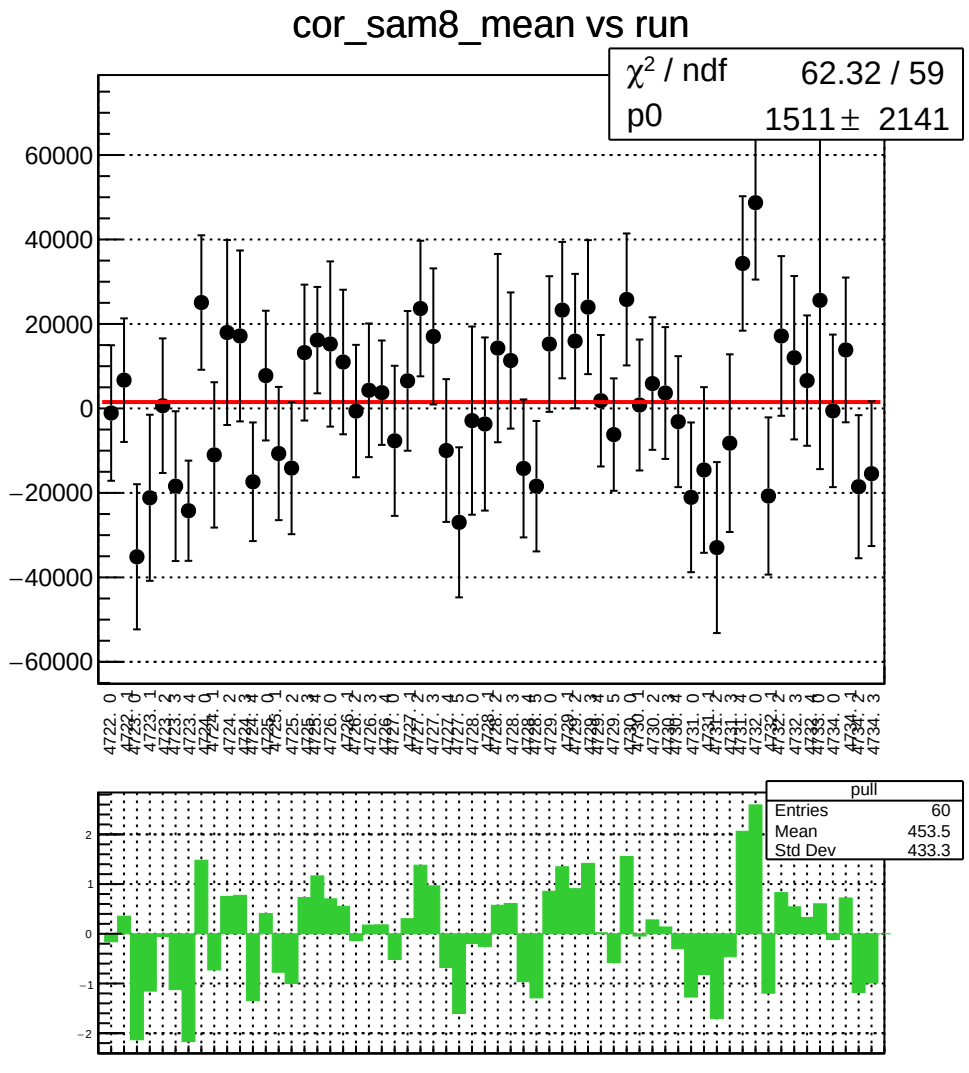

pull1D
Entries 60
Mean −0.006197
Std Dev 0.9851
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

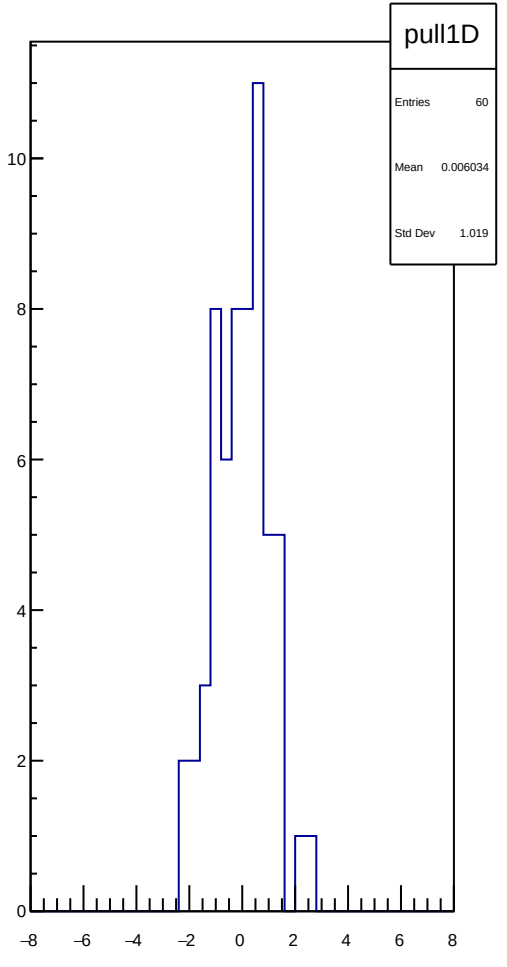

cor_sam6_rms vs run
χ² / ndf 1.692e+04 / 59
p0 2381 ± 2.245
3400
3200
3000
2800
2600
2400
2200
2000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

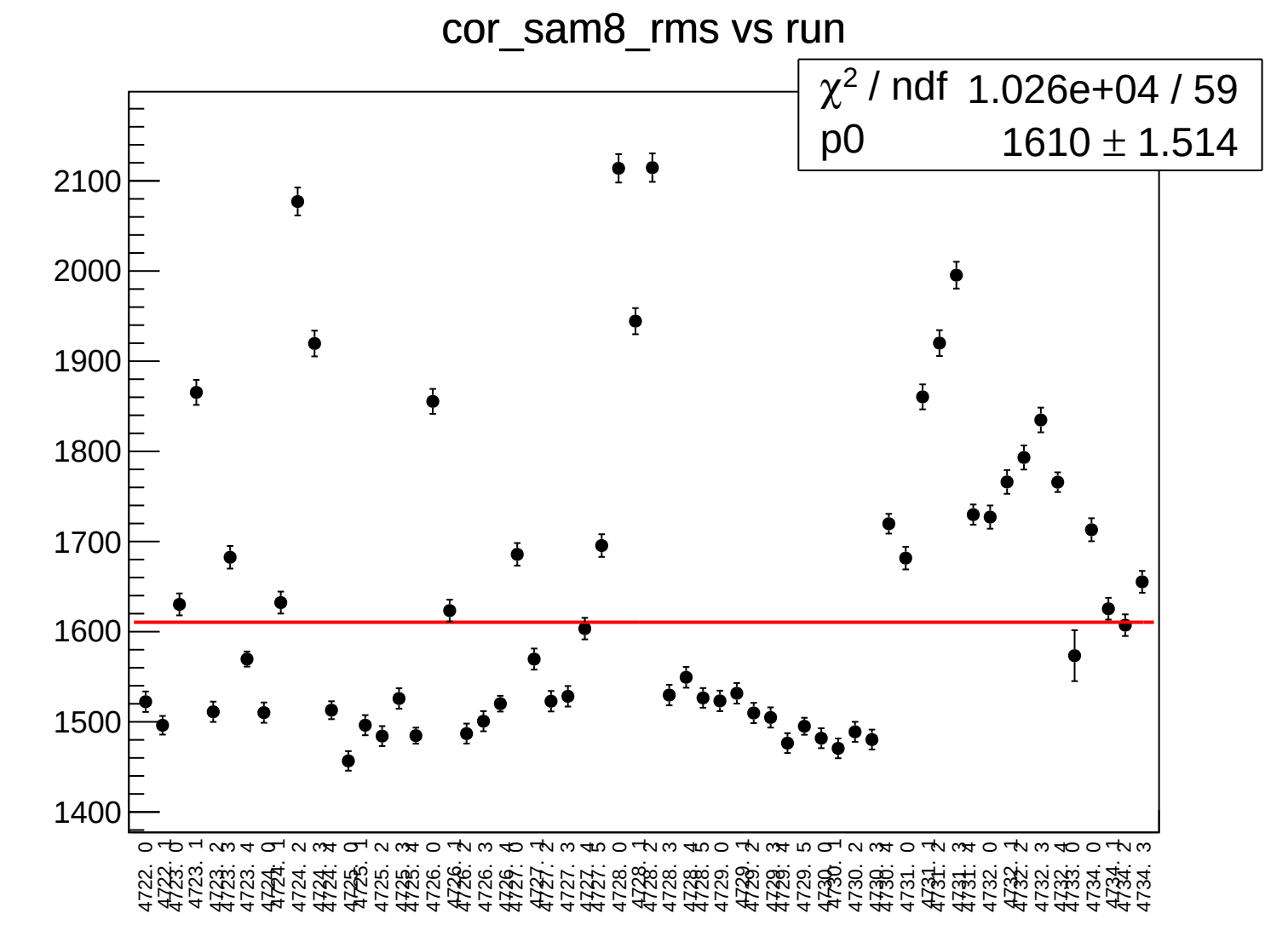

cor_sam7_mean vs run
χ^2 / ndf 57.23 / 59
p0 711.5 ± 2598
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 60
Mean −1090
Std Dev 1110
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

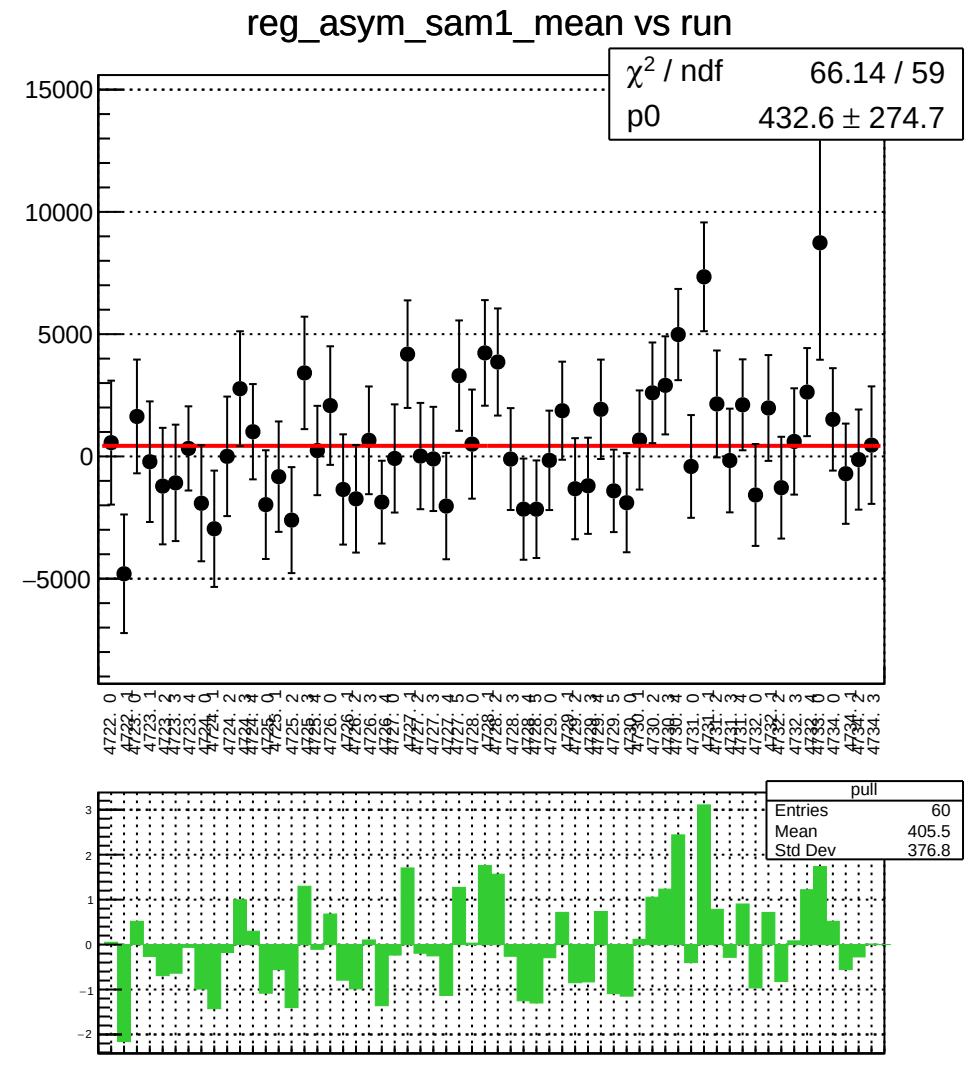

pull1D
Entries 60
Mean −0.001885
Std Dev 0.9766
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

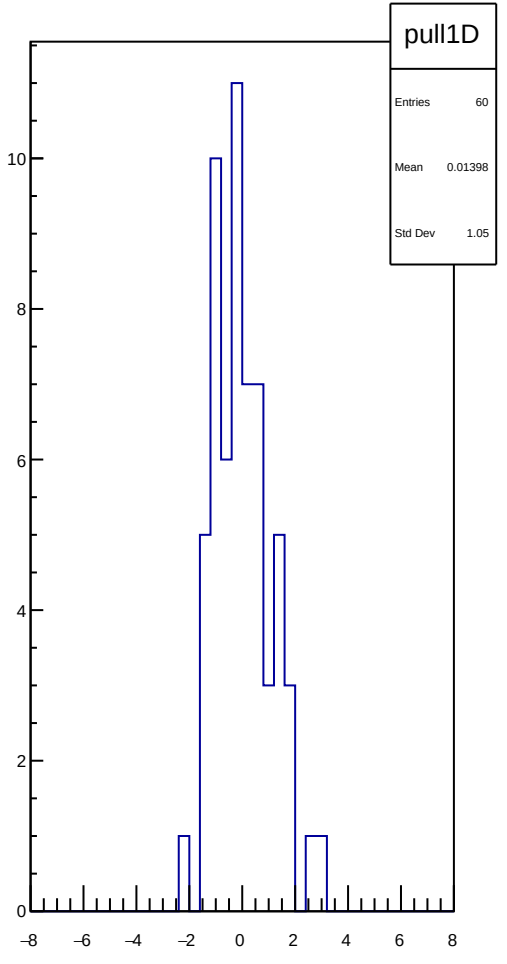

cor_sam7_rms vs run
χ² / ndf 1.487e+04 / 59
p0 1951 ± 1.837
2600
2400
2200
2000
1800

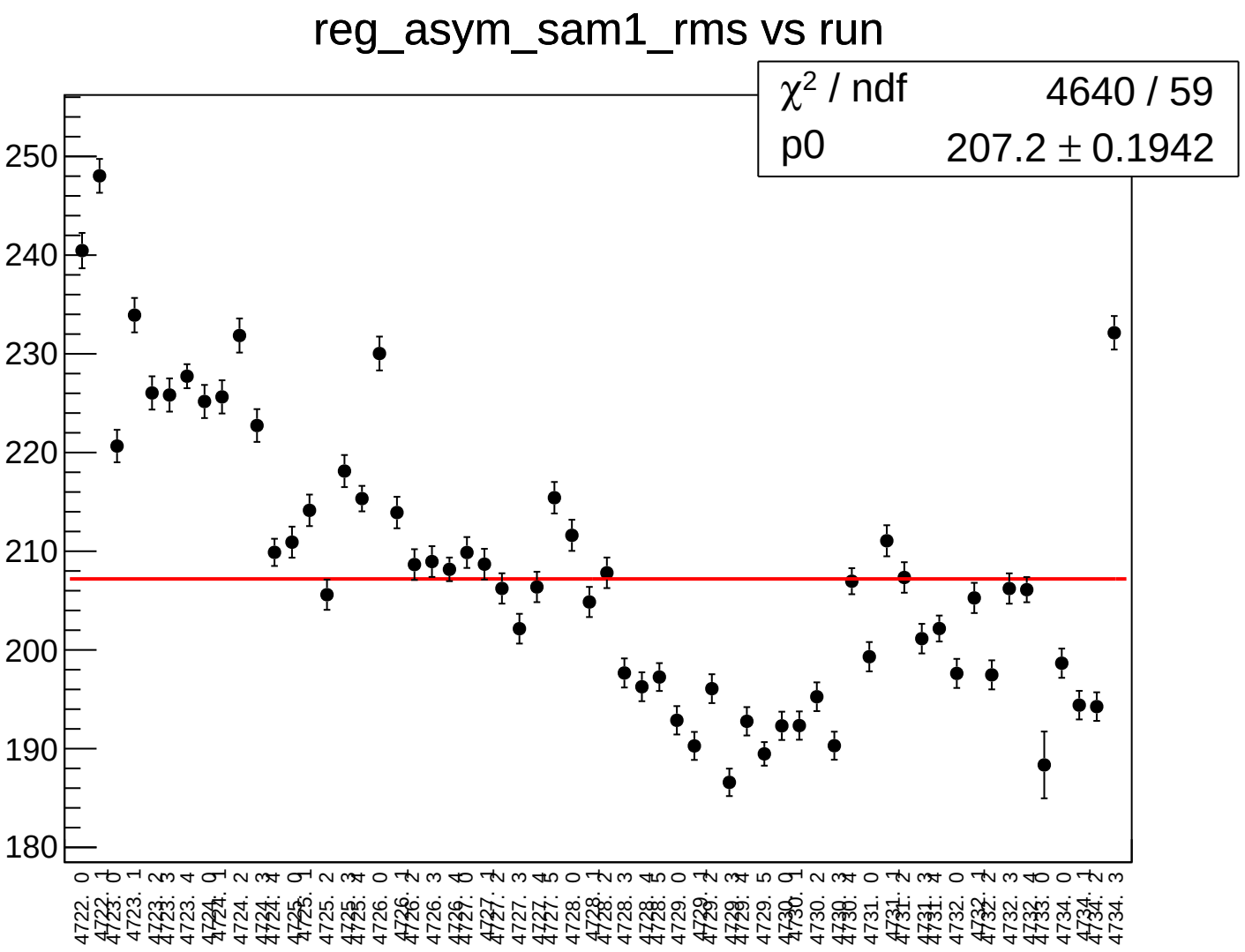

cor_sam8_mean vs run
χ² / ndf 62.32 / 59
p0 1511 ± 2141
pull
Entries 60
Mean 453.5
Std Dev 433.3

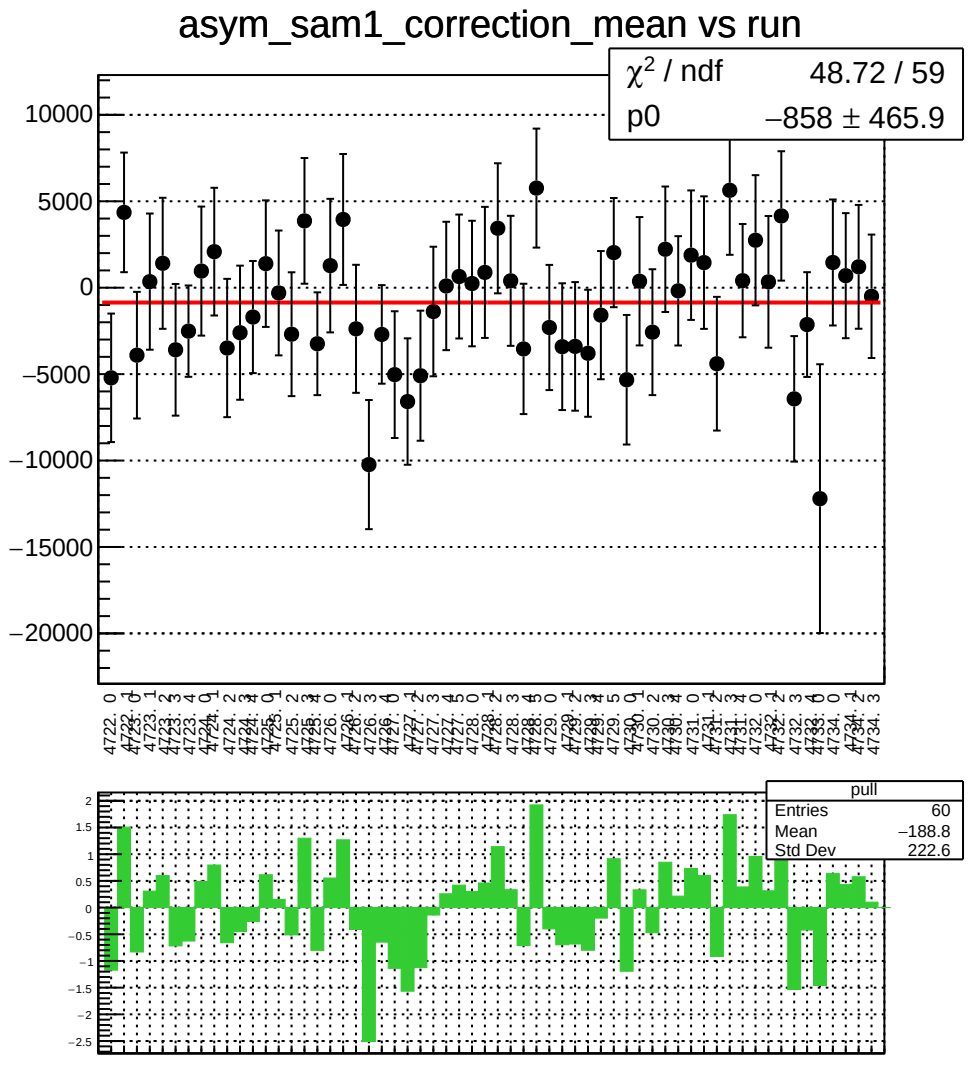

pull1D
Entries 60
Mean 0.006034
Std Dev 1.019

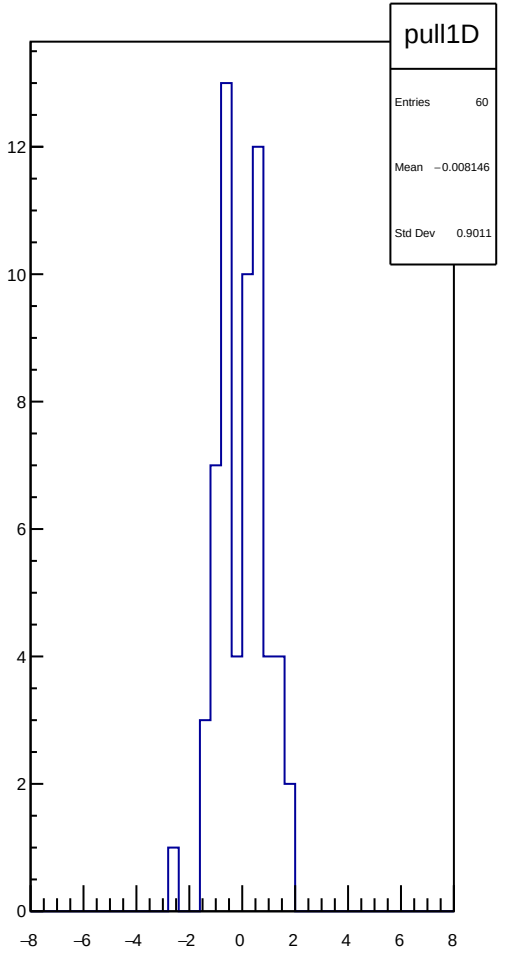

cor_sam8_rms vs run
χ² / ndf 1.026e+04 / 59
p0 1610 ± 1.514
2100
2000
1900
1800
1700
1600
1500
1400

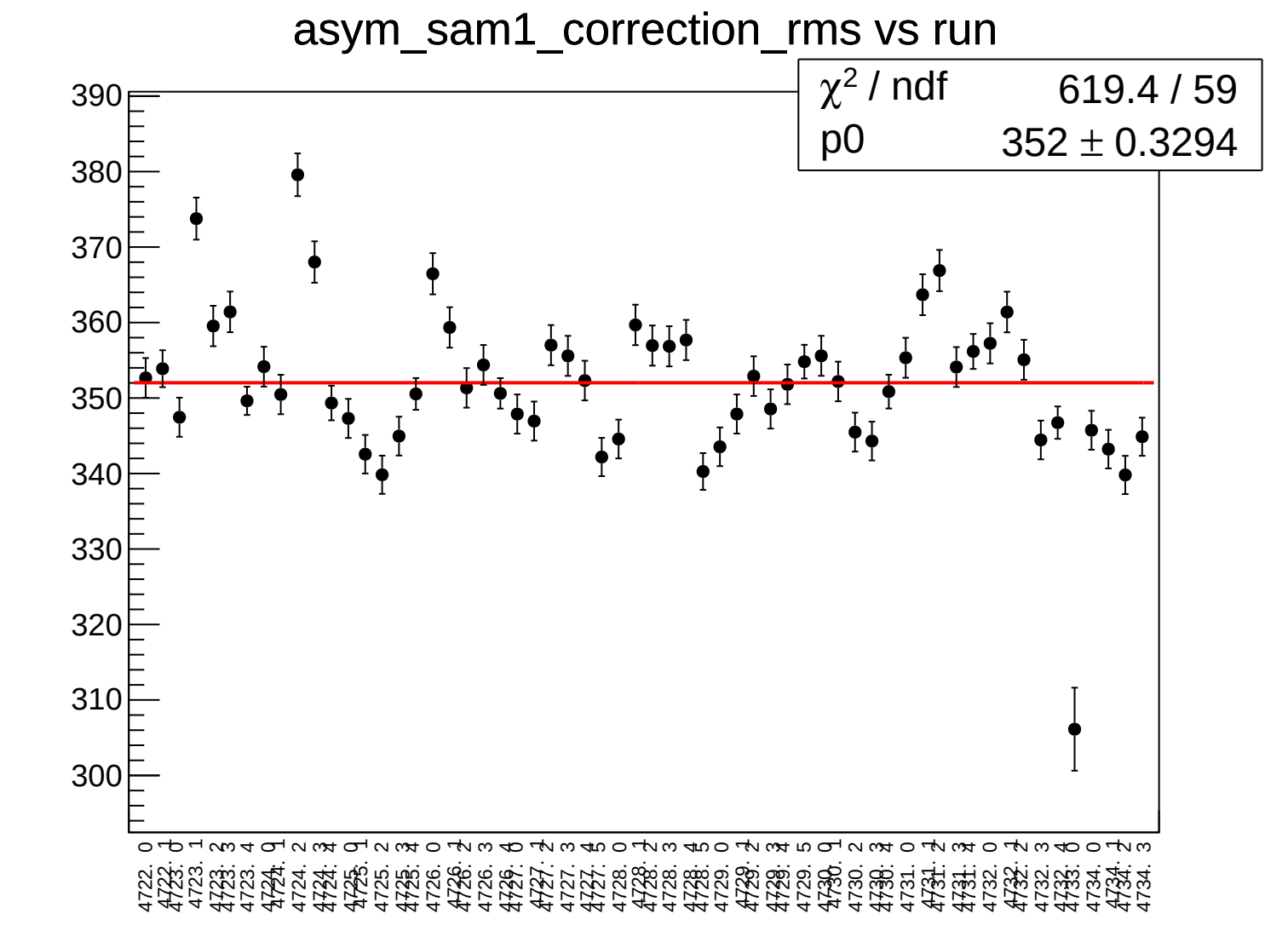

reg_asym_sam1_mean vs run
χ² / ndf 66.14 / 59
p0 432.6 ± 274.7
15000
10000
5000
0
−5000
pull
Entries 60
Mean 405.5
Std Dev 376.8
3
2
1
0
−1
−2

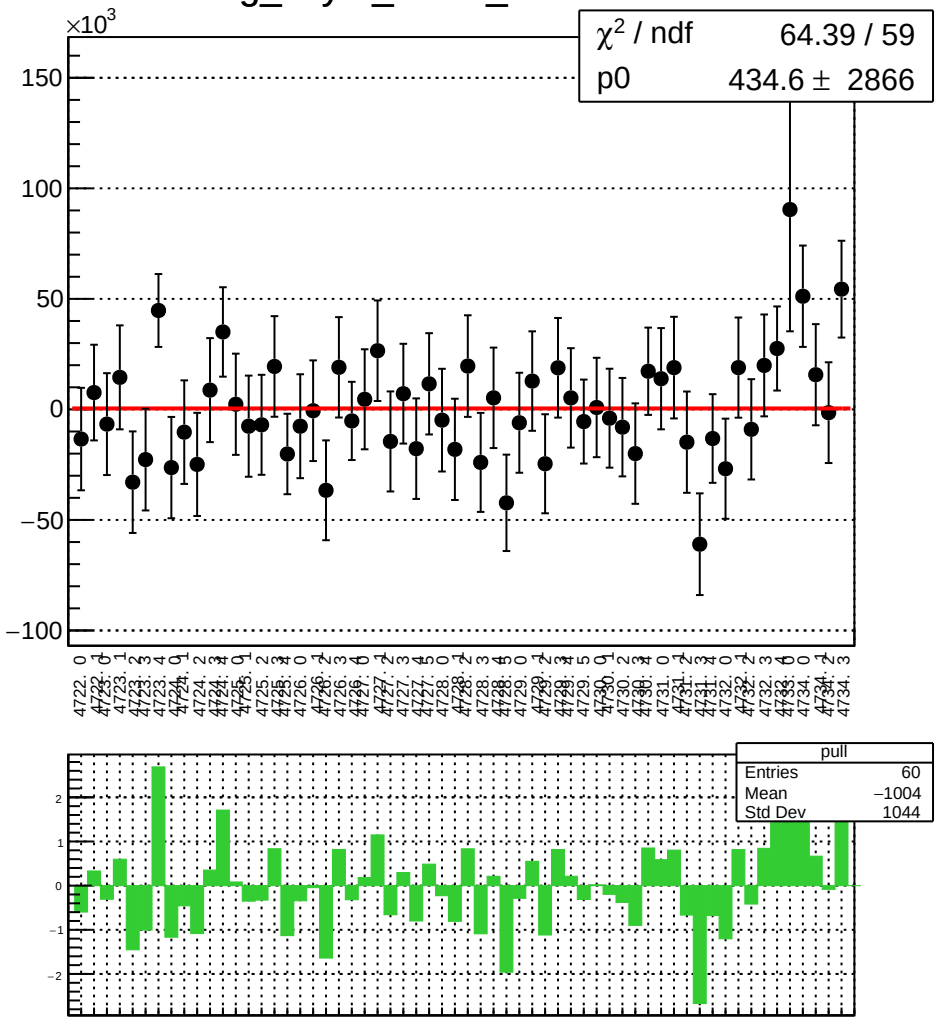

pull1D
Entries 60
Mean 0.01398
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

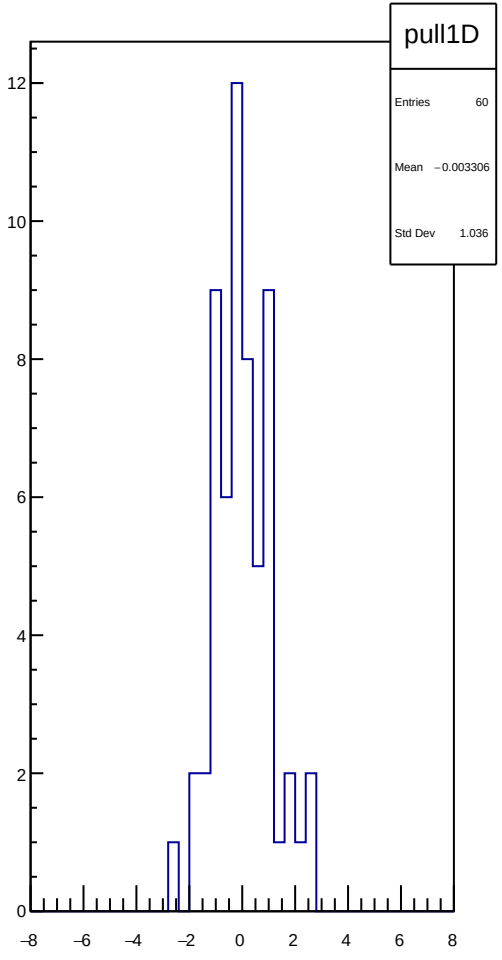

reg_asym_sam1_rms vs run
χ² / ndf 4640 / 59
p0 207.2 ± 0.1942
250
240
230
220
210
200
190
180
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

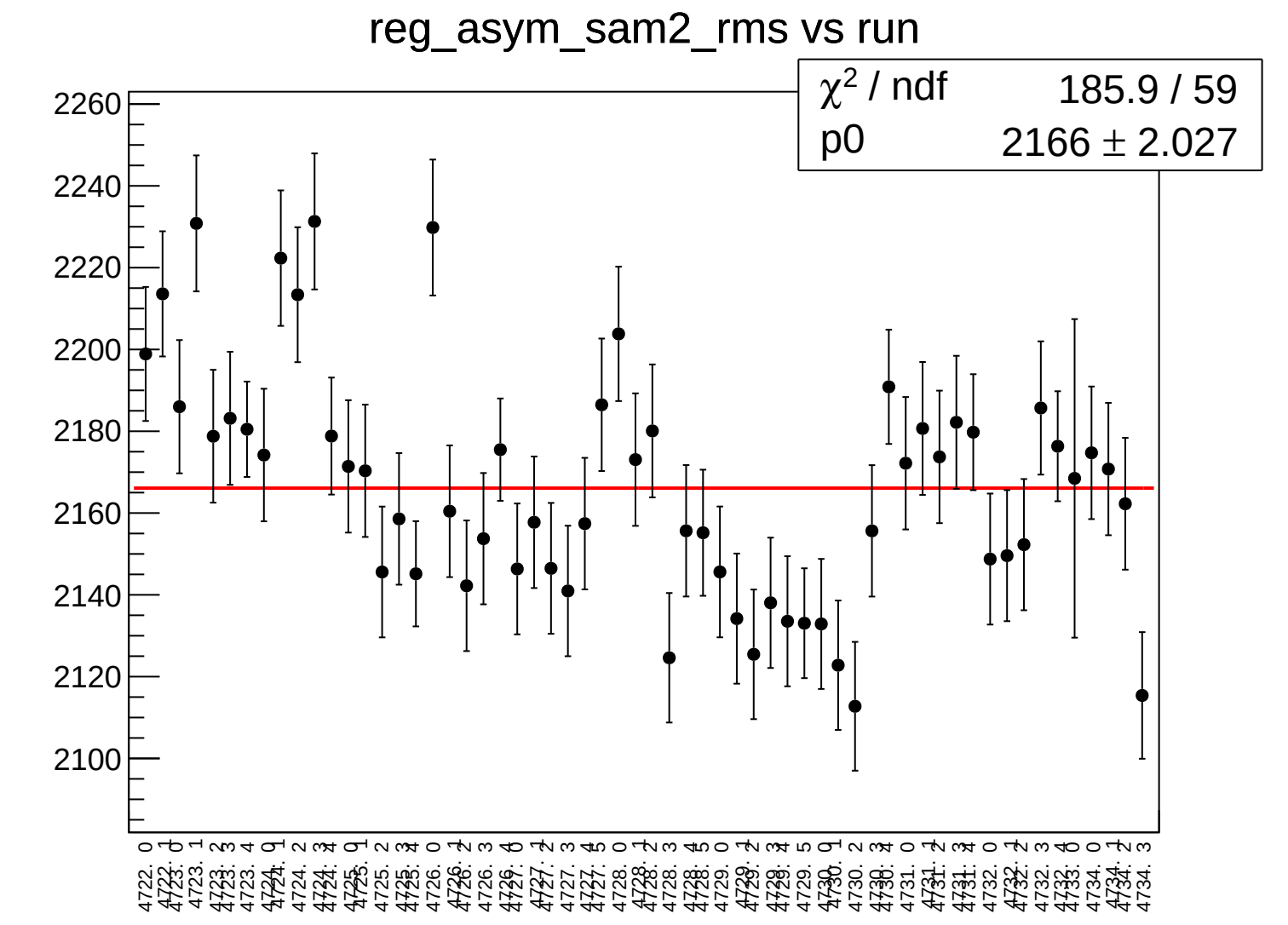

asym_sam1_correction_mean vs run
χ² / ndf 48.72 / 59
p0 −858 ± 465.9
pull
Entries 60
Mean −188.8
Std Dev 222.6

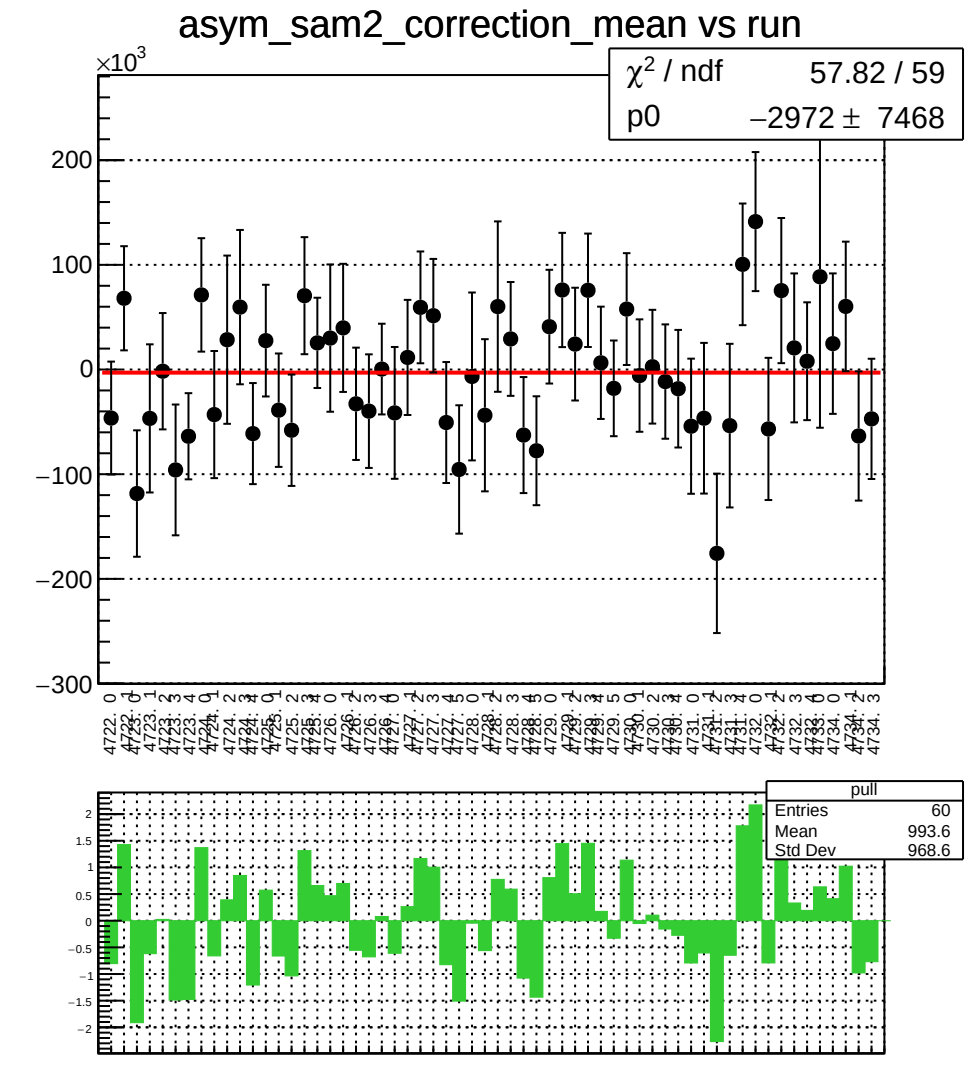

pull1D
Entries 60
Mean −0.008146
Std Dev 0.9011

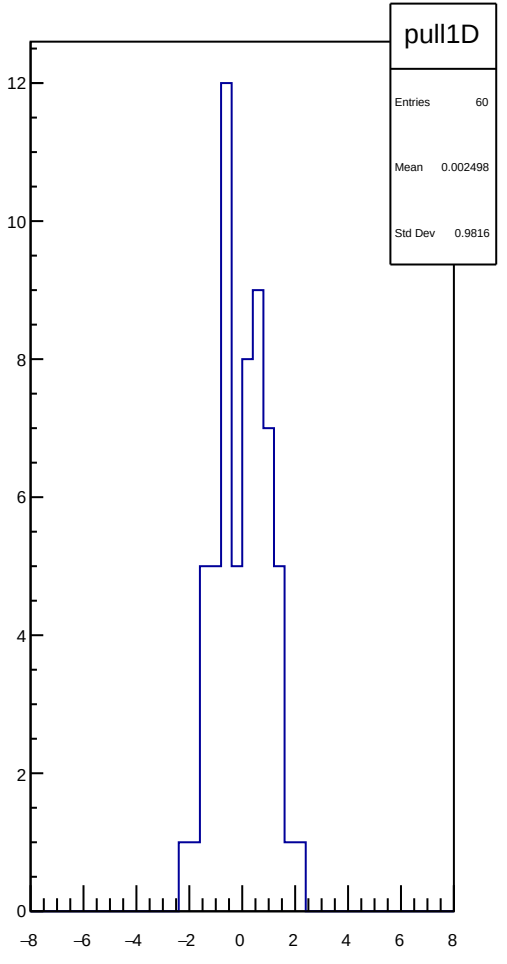

asym_sam1_correction_rms vs run
χ² / ndf 619.4 / 59
p0 352 ± 0.3294
390
380
370
360
350
340
330
320
310
300

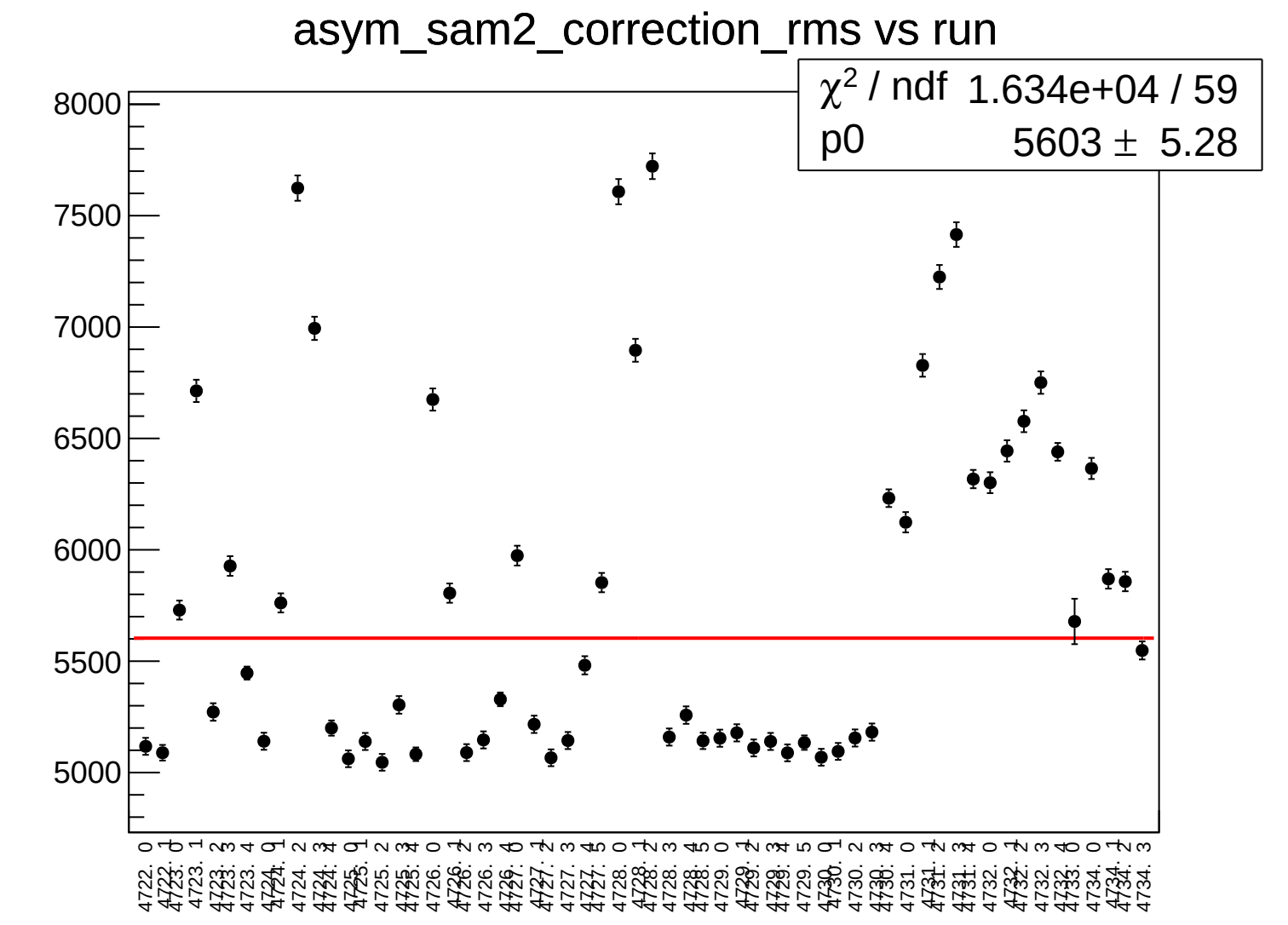

reg_asym_sam2_mean vs run
×10^3
χ² / ndf 64.39 / 59
p0 434.6 ± 2866
150
100
50
0
−50
−100
pull
Entries 60
Mean −1004
Std Dev 1044
2
1
0
−1
−2

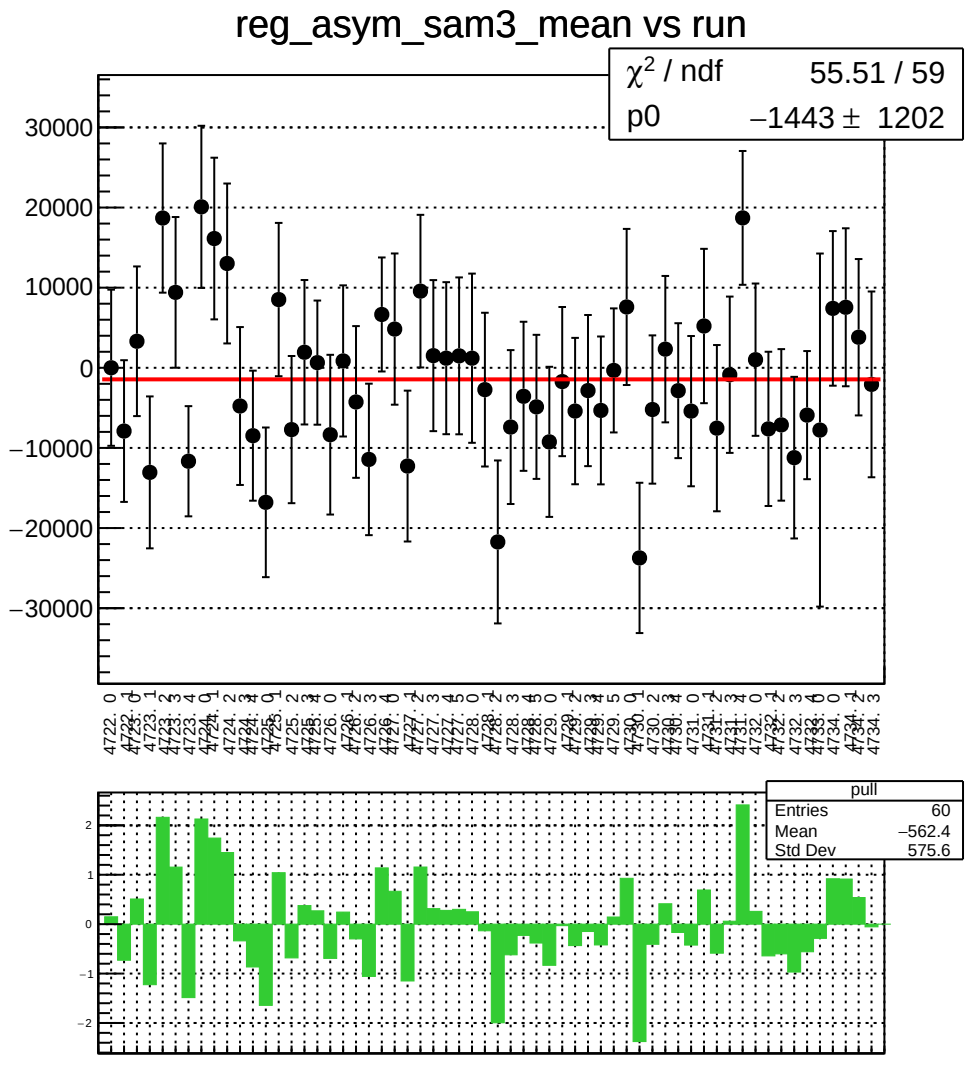

pull1D
Entries 60
Mean −0.003306
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

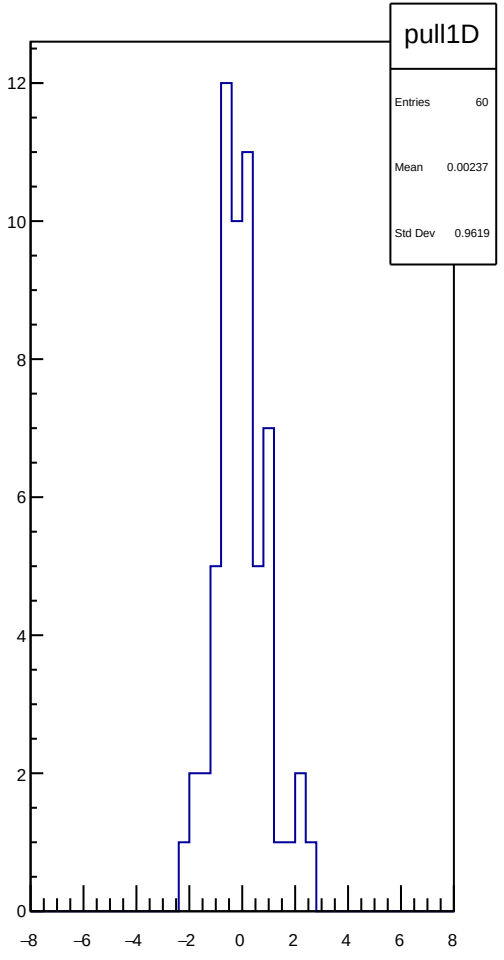

reg_asym_sam2_rms vs run
χ² / ndf 185.9 / 59
p0 2166 ± 2.027
2260
2240
2220
2200
2180
2160
2140
2120
2100

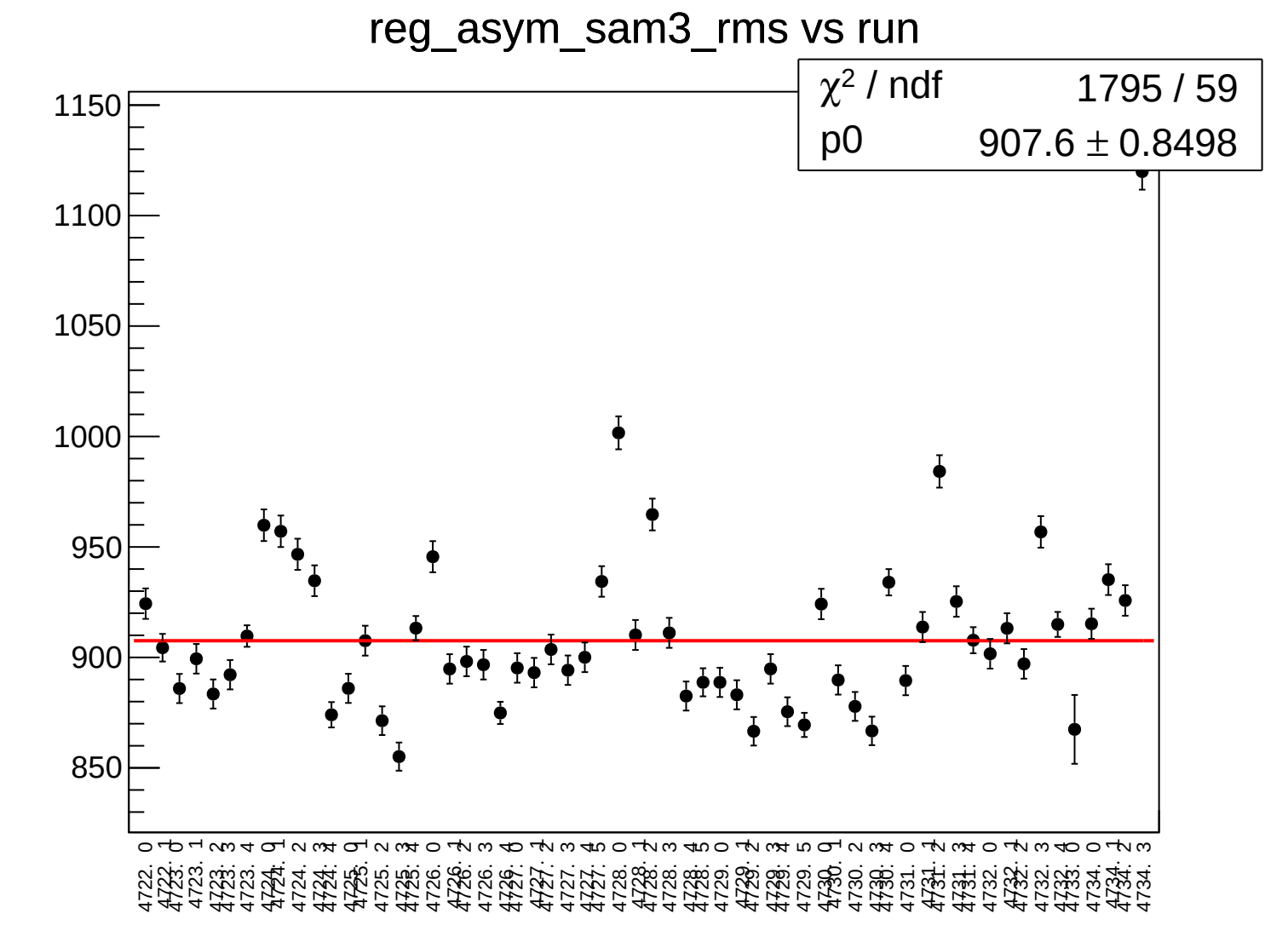

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 57.82 / 59
p0 −2972 ± 7468
200
100
0
−100
−200
−300
pull
Entries 60
Mean 993.6
Std Dev 968.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

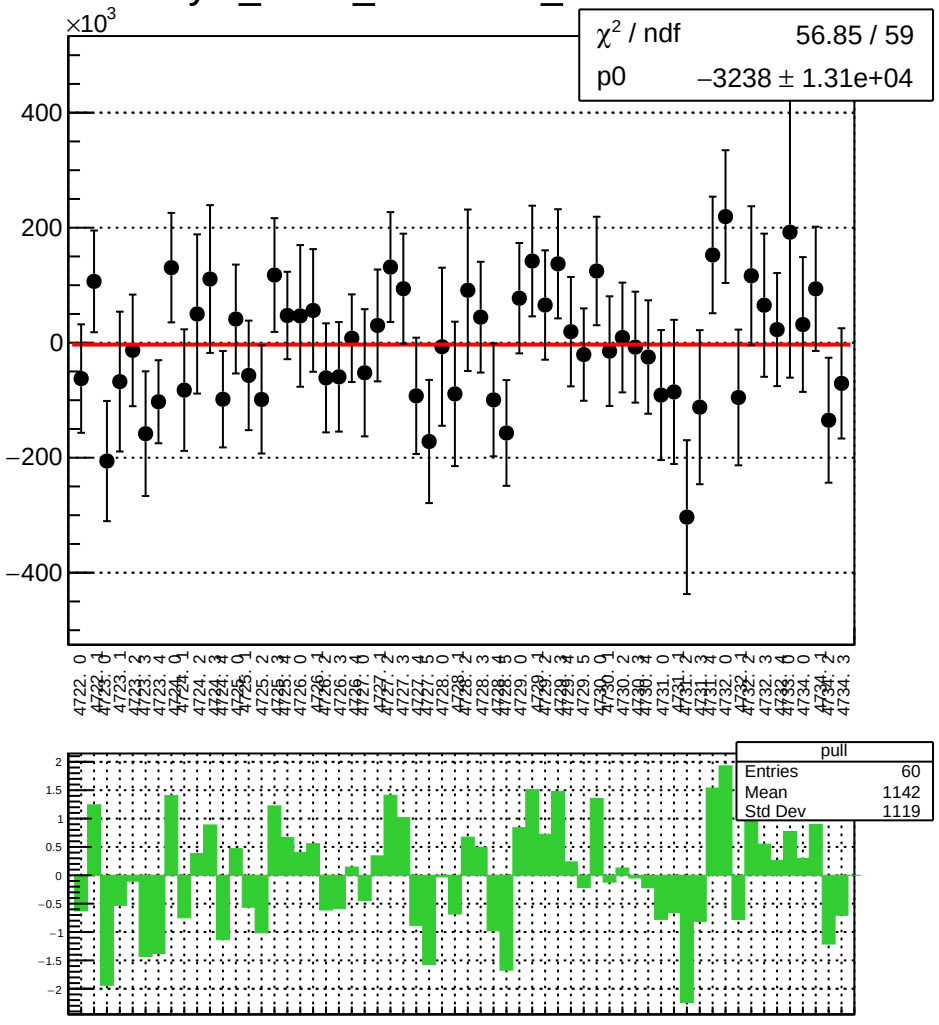

pull1D
Entries 60
Mean 0.002498
Std Dev 0.9816
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

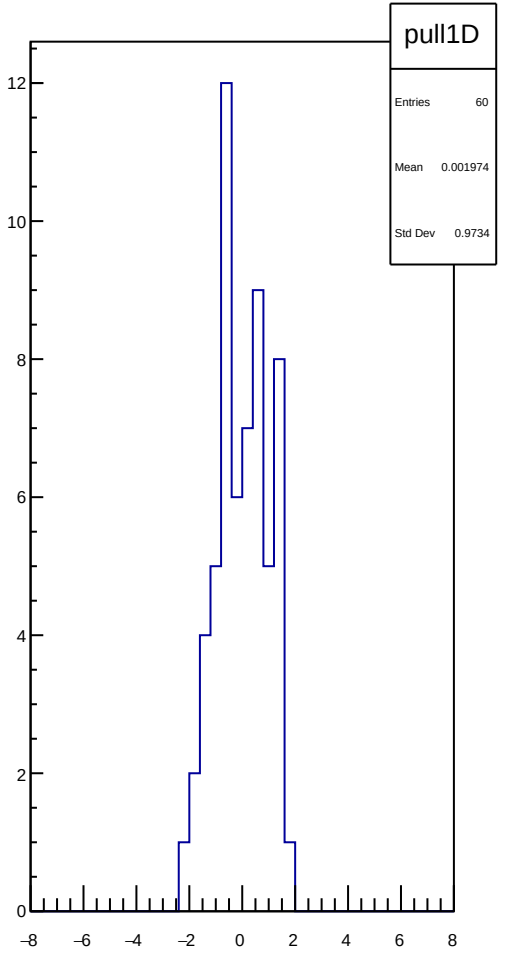

asym_sam2_correction_rms vs run
χ² / ndf 1.634e+04 / 59
p0 5603 ± 5.28
8000
7500
7000
6500
6000
5500
5000

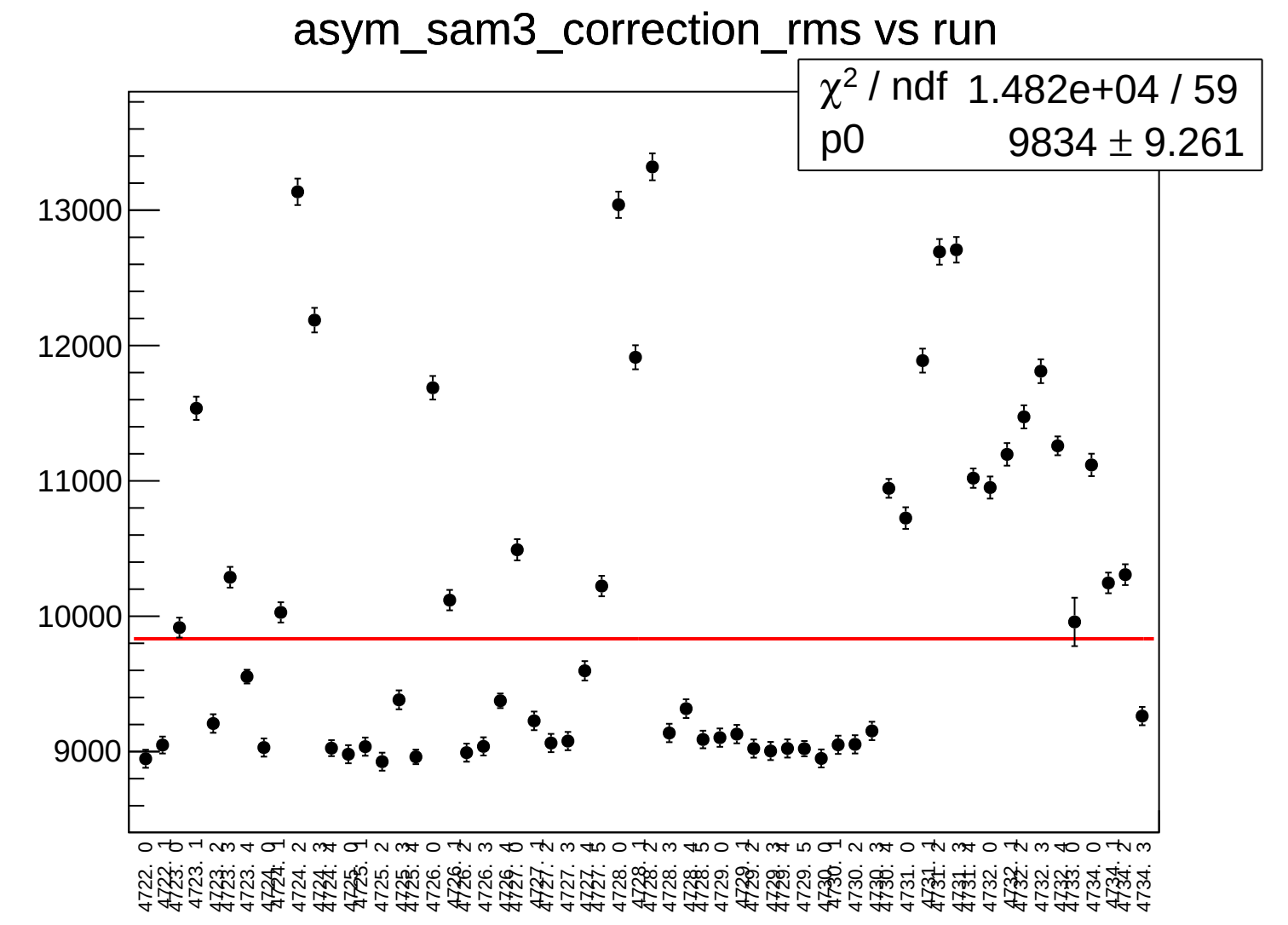

reg_asym_sam3_mean vs run
χ² / ndf 55.51 / 59
p0 −1443 ± 1202
pull
Entries 60
Mean −562.4
Std Dev 575.6

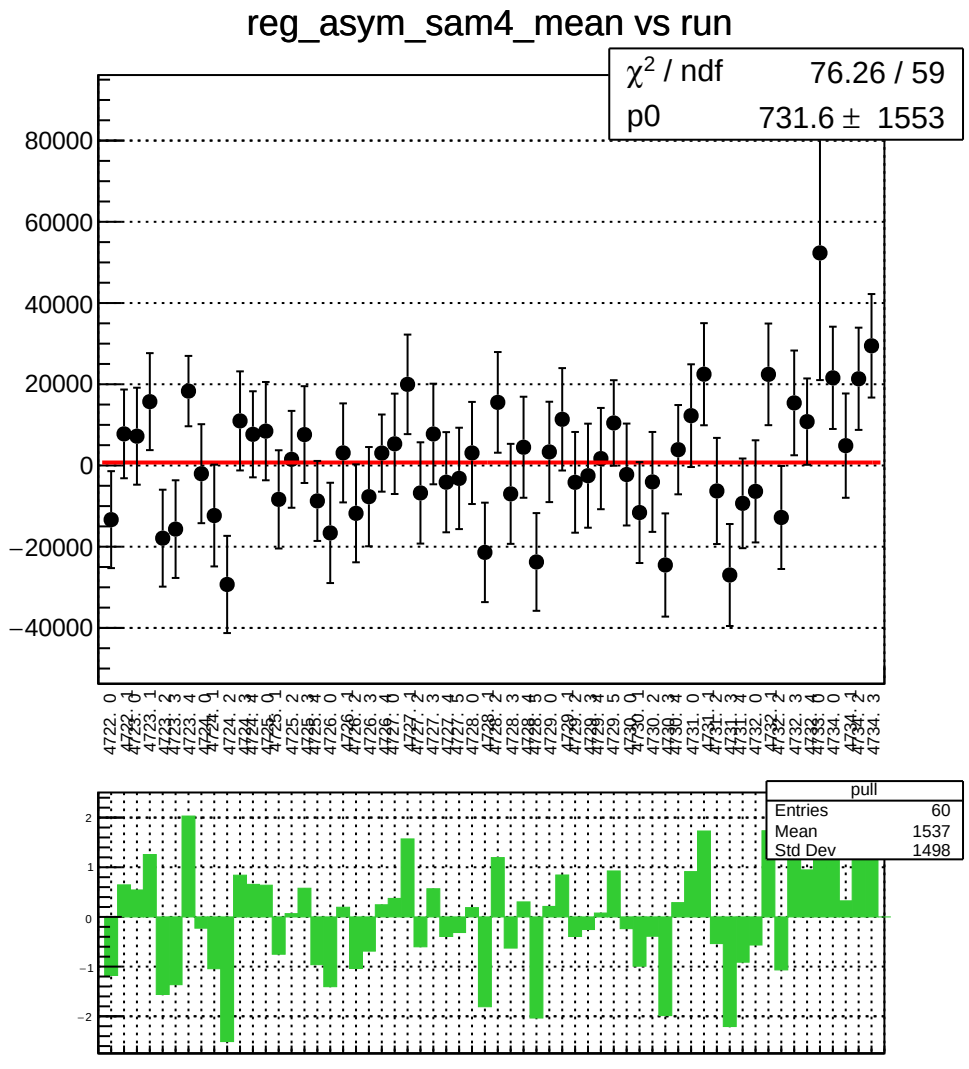

pull1D
Entries 60
Mean 0.00237
Std Dev 0.9619

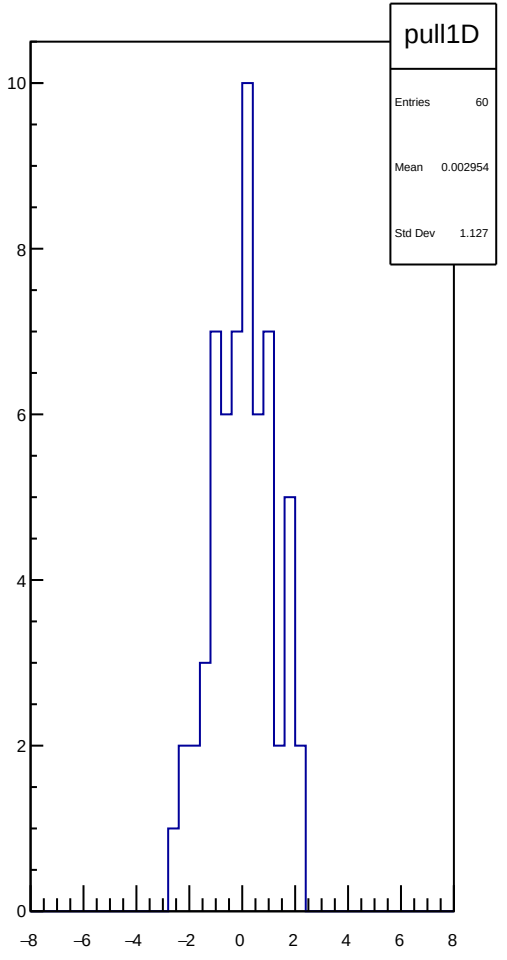

reg_asym_sam3_rms vs run
χ² / ndf 1795 / 59
p0 907.6 ± 0.8498
1150
1100
1050
1000
950
900
850

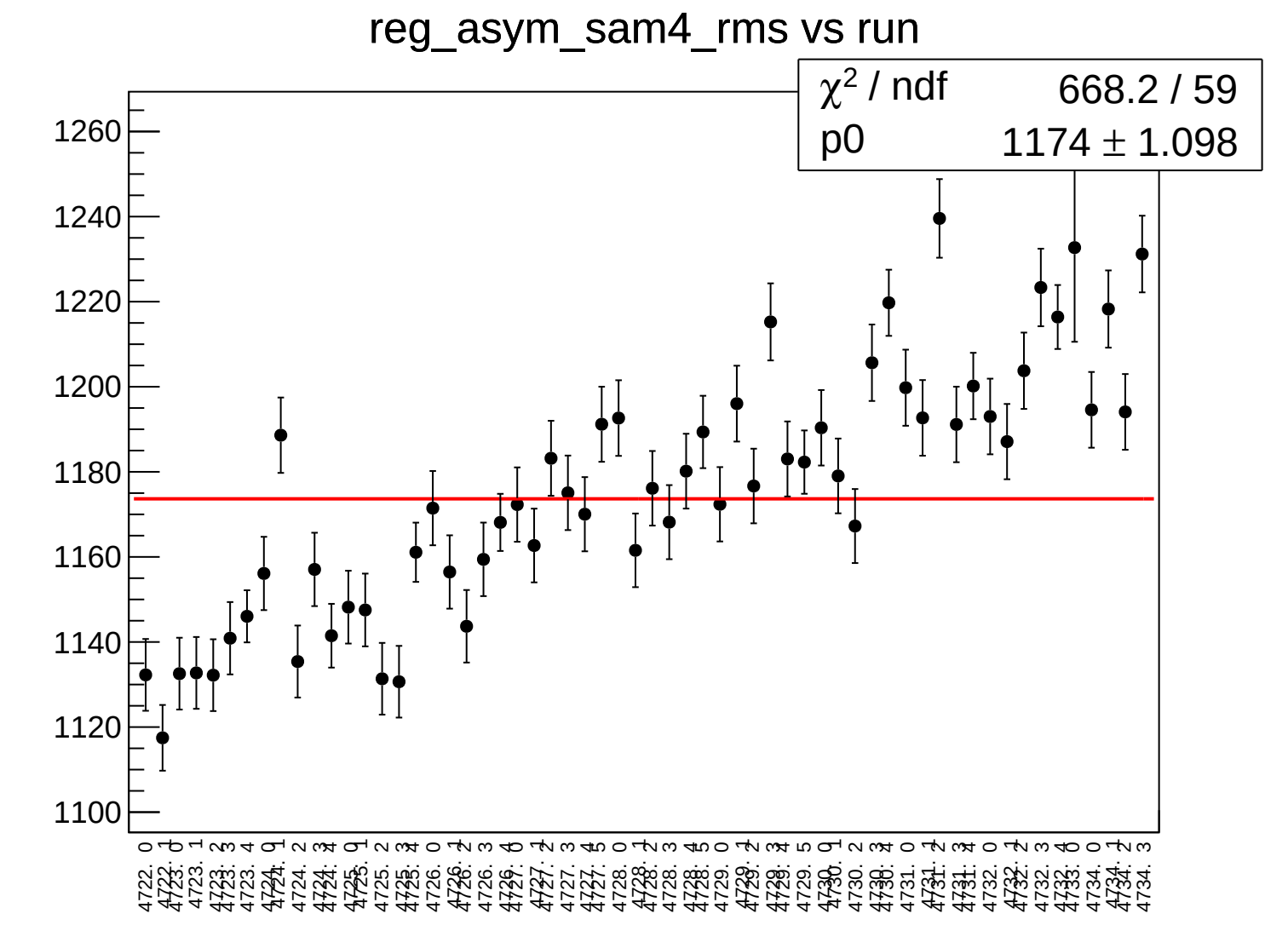

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 56.85 / 59
p0 −3238 ± 1.31e+04
pull
Entries 60
Mean 1142
Std Dev 1119

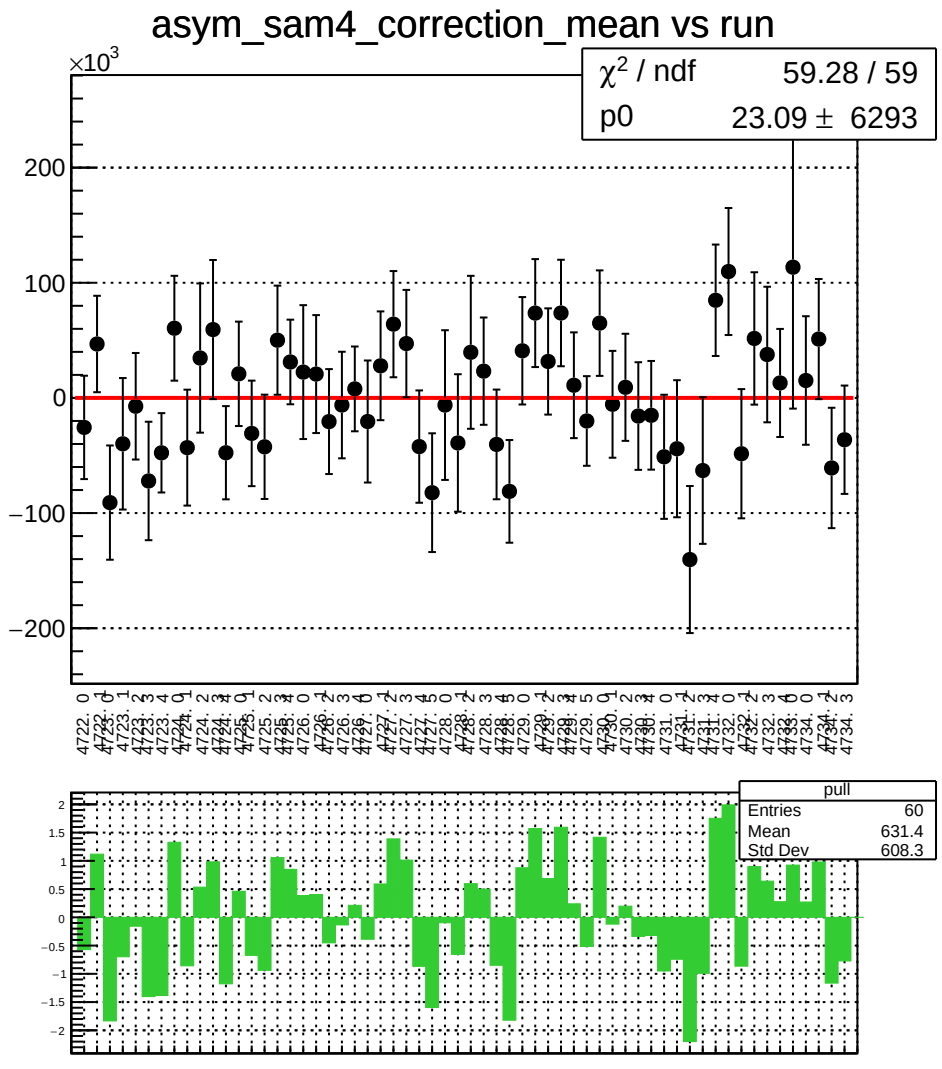

pull1D
Entries 60
Mean 0.001974
Std Dev 0.9734

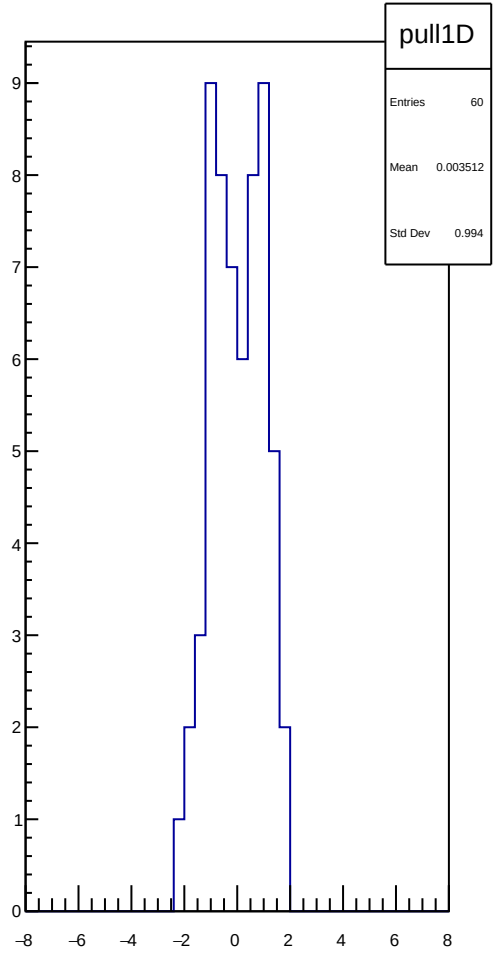

asym_sam3_correction_rms vs run
χ² / ndf 1.482e+04 / 59
p0 9834 ± 9.261
13000
12000
11000
10000
9000
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

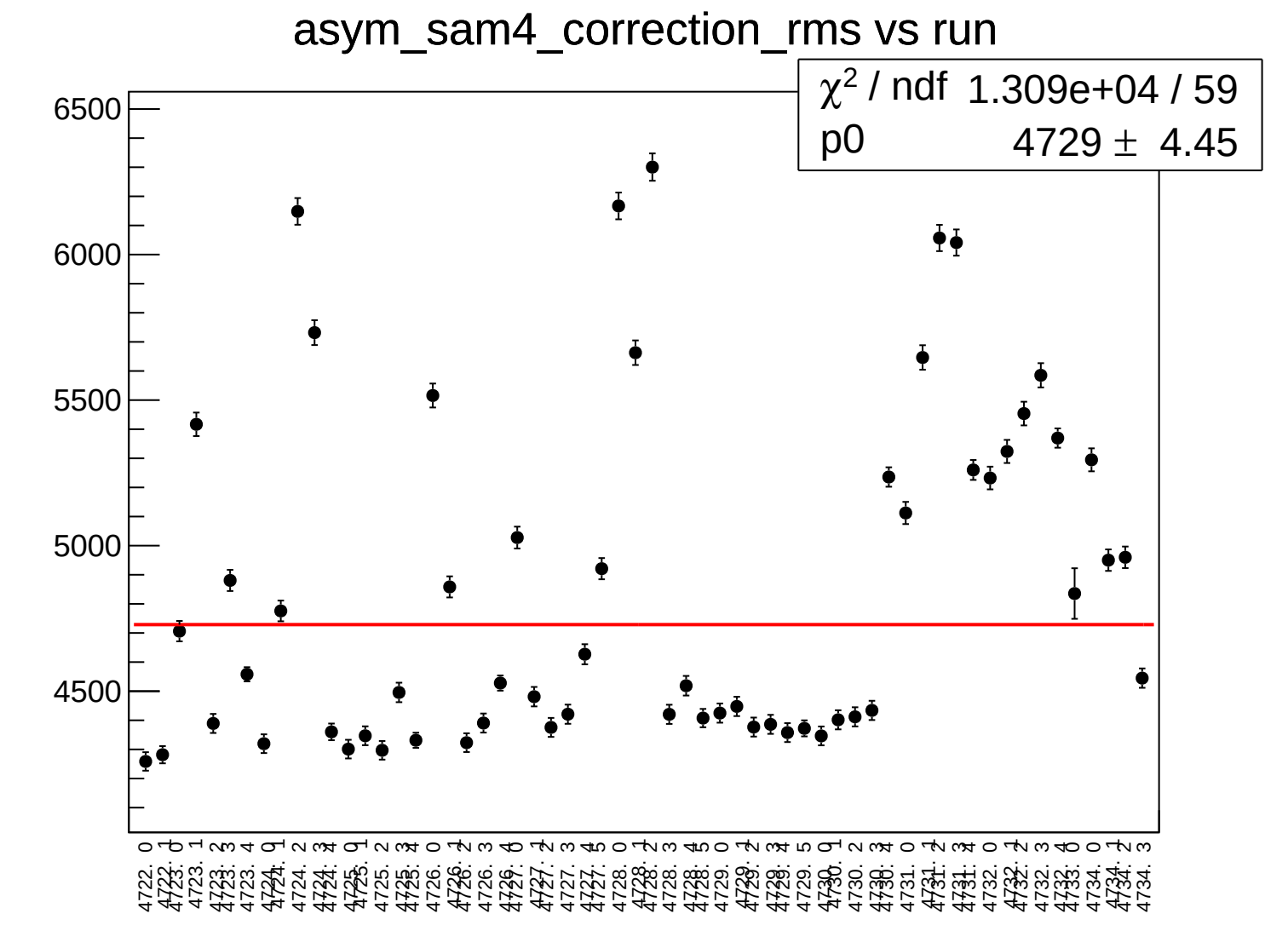

reg_asym_sam4_mean vs run
χ² / ndf 76.26 / 59
p0 731.6 ± 1553
pull
Entries 60
Mean 1537
Std Dev 1498

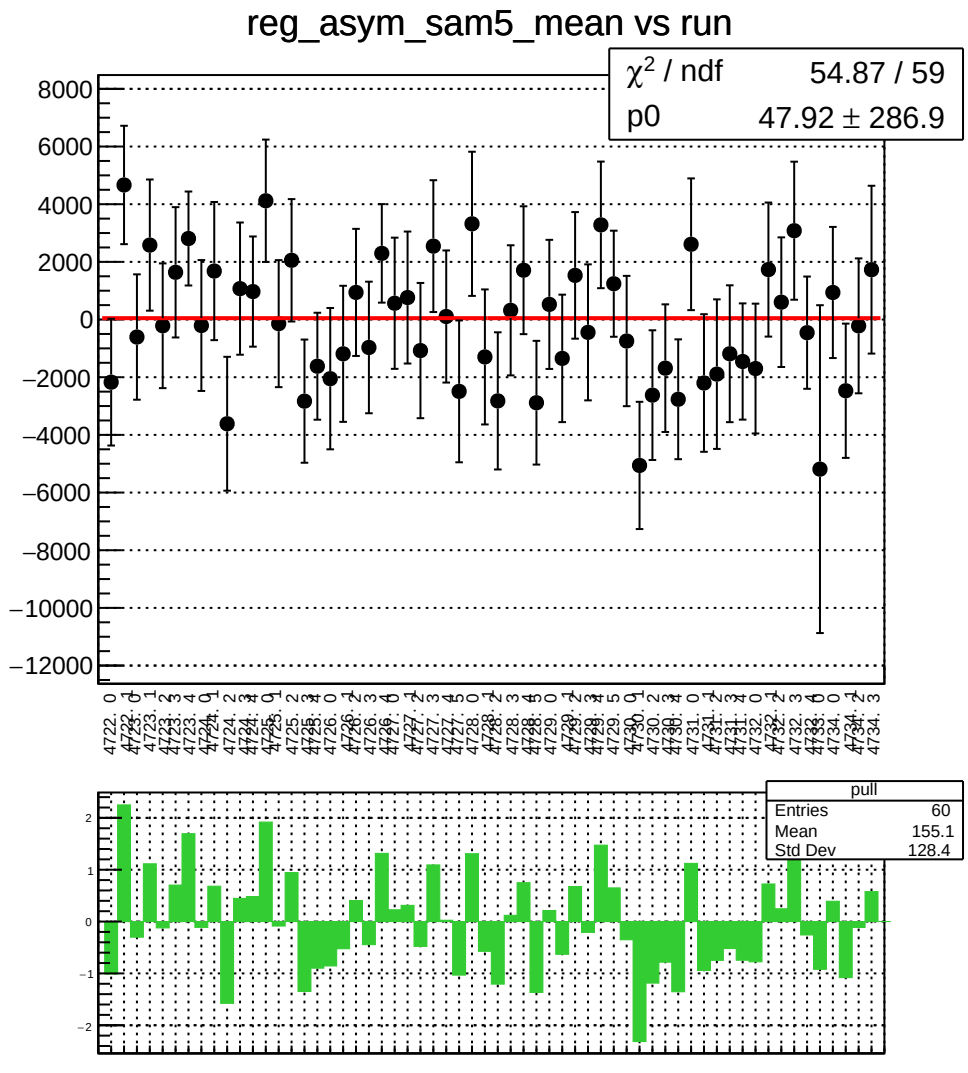

pull1D
Entries 60
Mean 0.002954
Std Dev 1.127

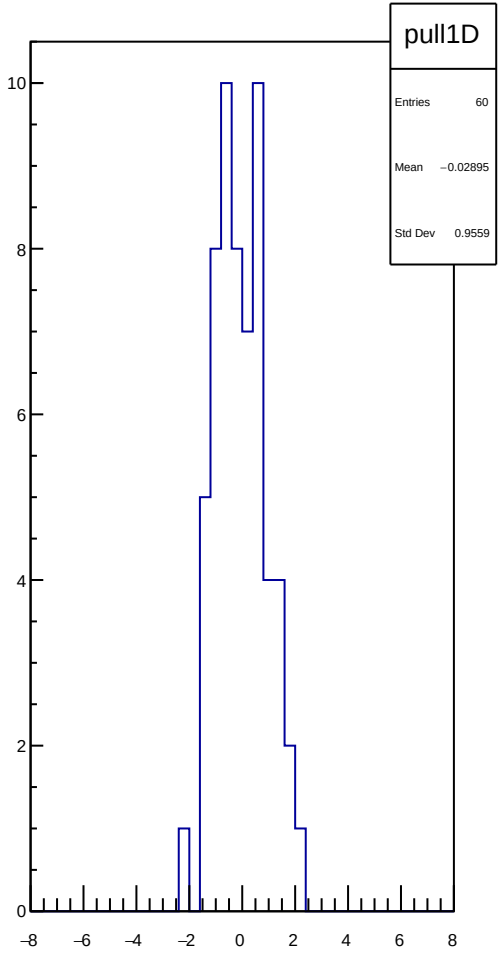

reg_asym_sam4_rms vs run
χ² / ndf 668.2 / 59
p0 1174 ± 1.098
1260
1240
1220
1200
1180
1160
1140
1120
1100

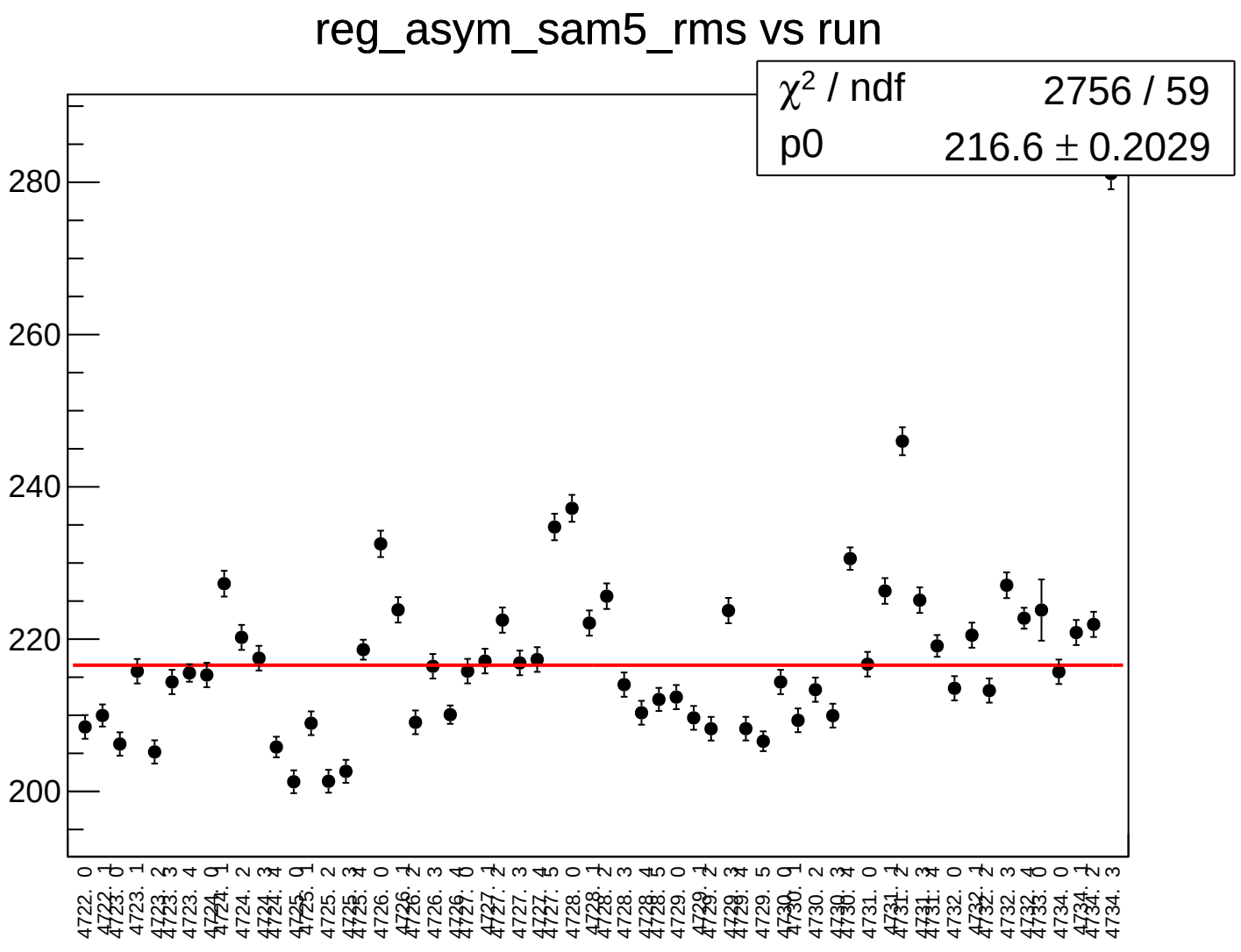

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 59.28 / 59
p0 23.09 ± 6293
200
100
0
−100
−200
pull
Entries 60
Mean 631.4
Std Dev 608.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

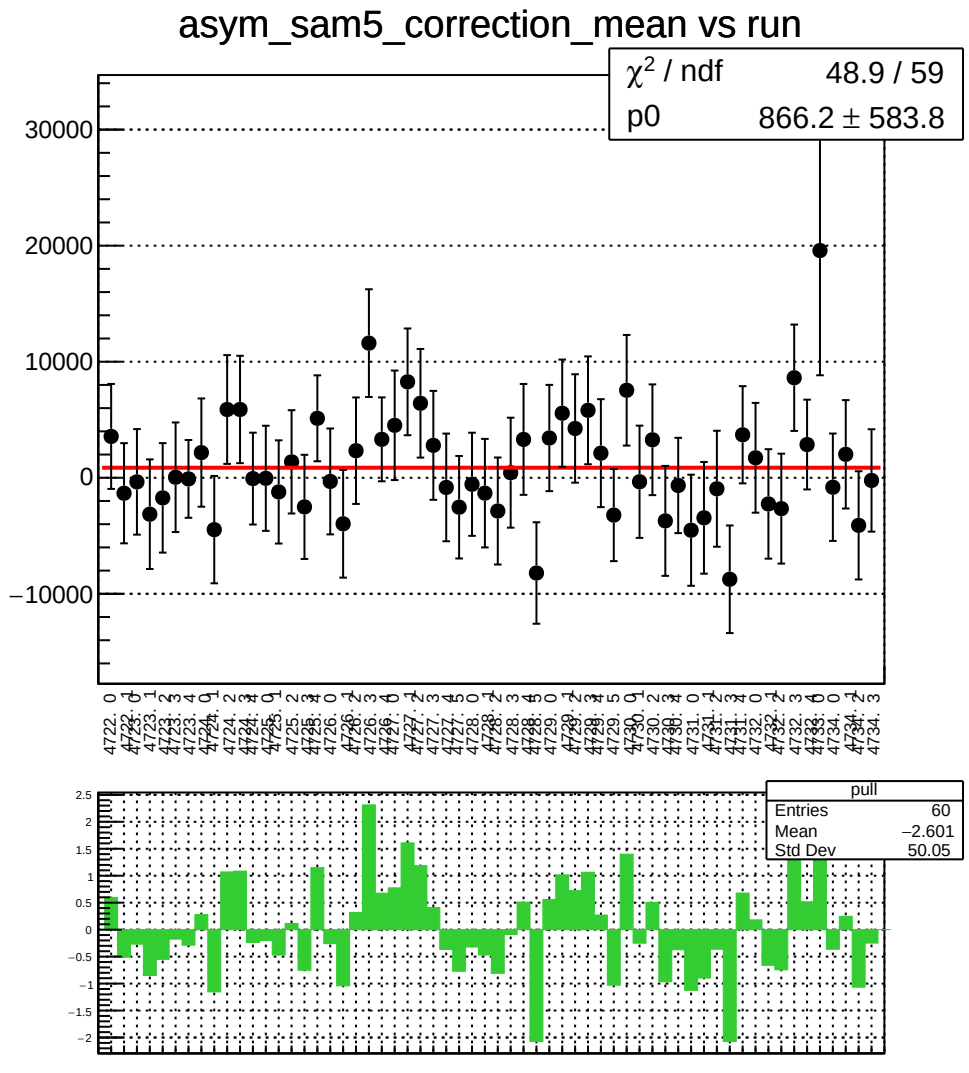

pull1D
Entries 60
Mean 0.003512
Std Dev 0.994
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

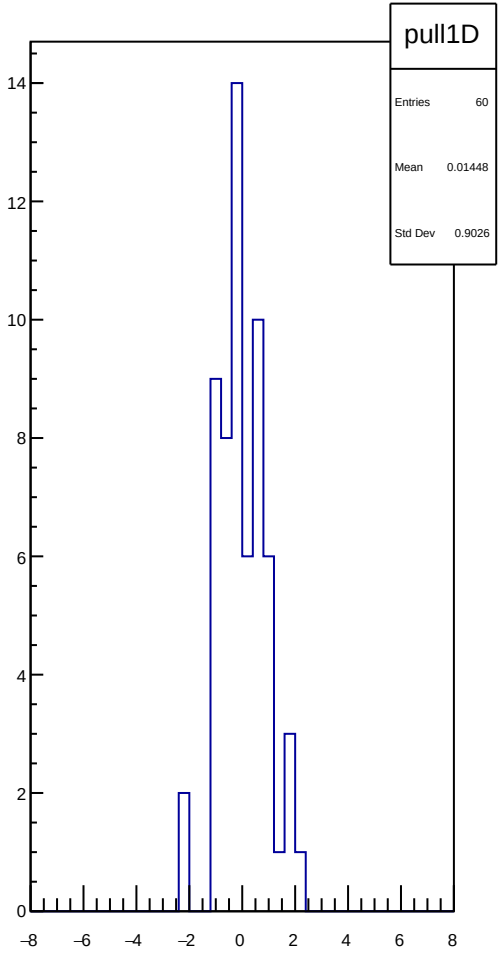

asym_sam4_correction_rms vs run
χ² / ndf 1.309e+04 / 59
p0 4729 ± 4.45
6500
6000
5500
5000
4500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

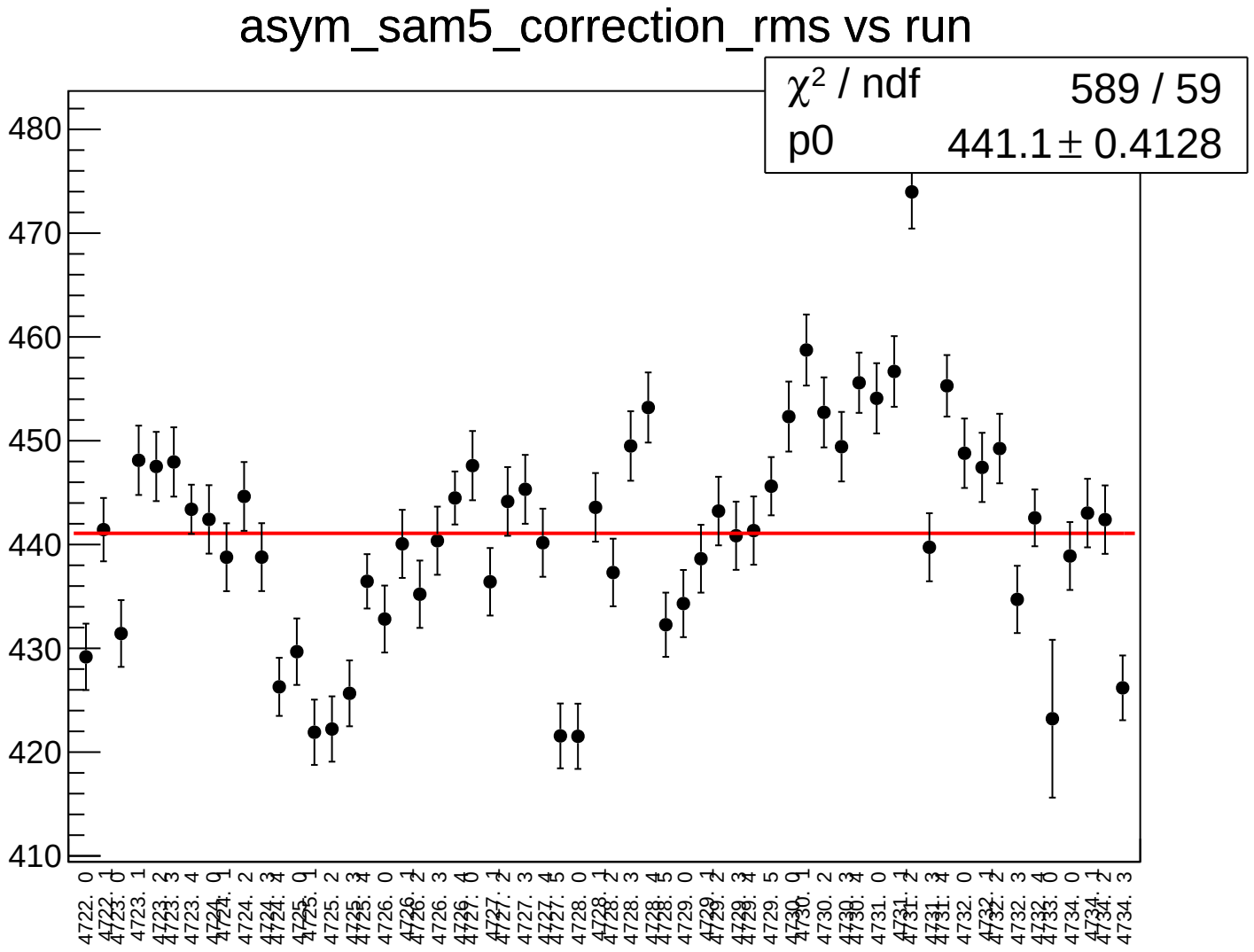

reg_asym_sam5_mean vs run
χ² / ndf 54.87 / 59
p0 47.92 ± 286.9
pull
Entries 60
Mean 155.1
Std Dev 128.4

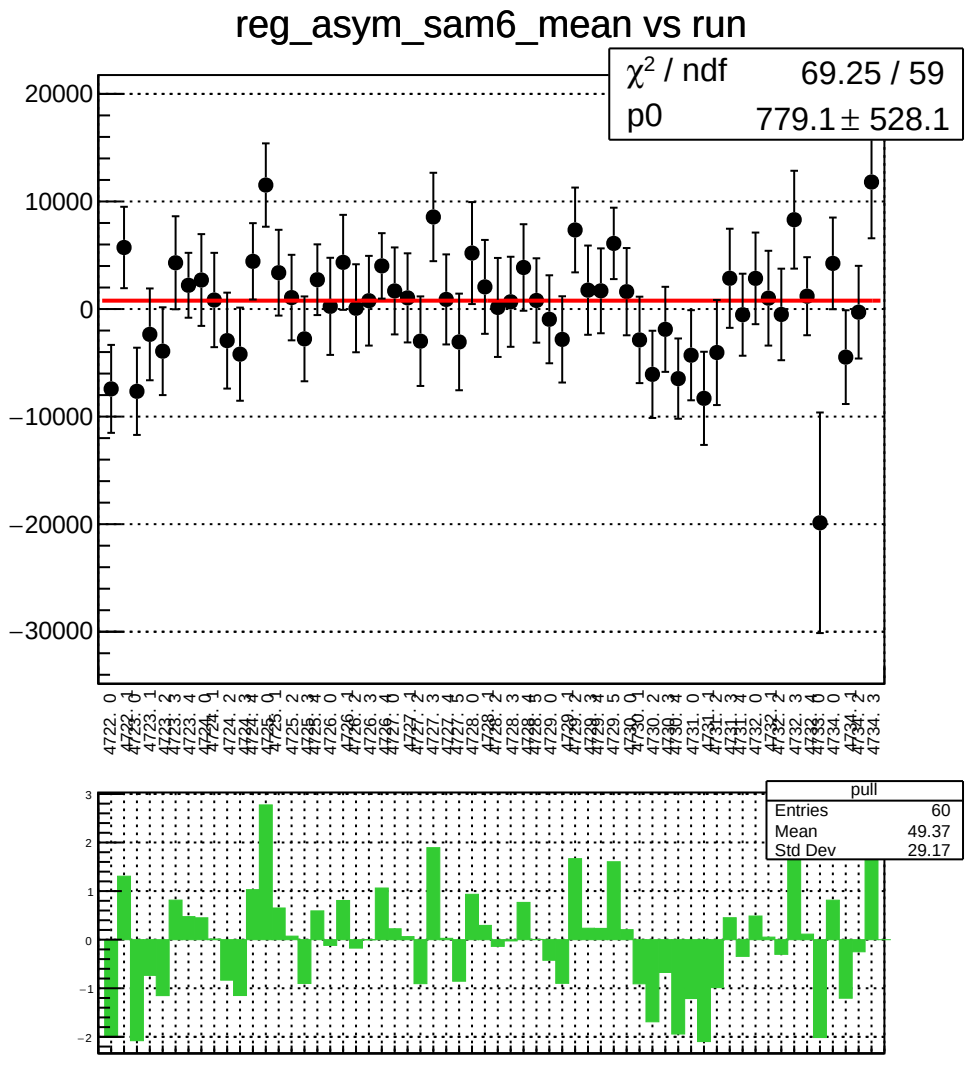

pull1D
Entries 60
Mean −0.02895
Std Dev 0.9559

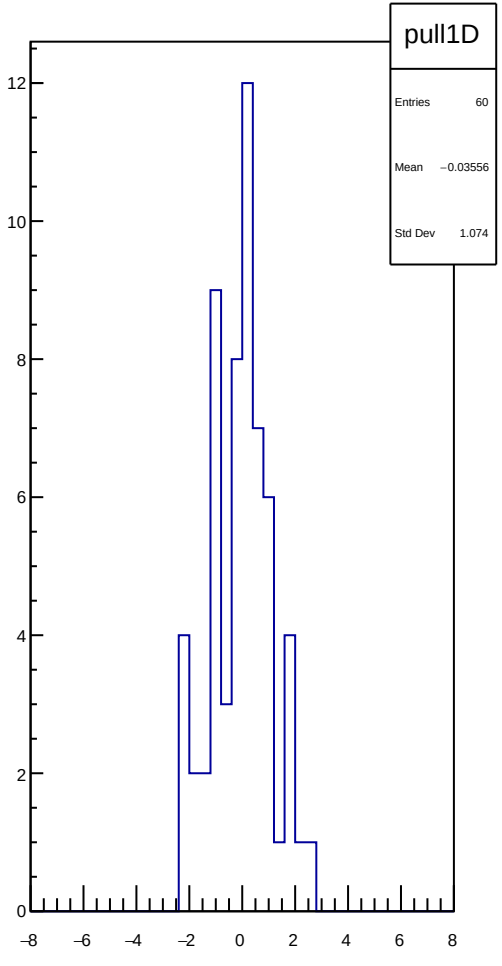

reg_asym_sam5_rms vs run
χ² / ndf 2756 / 59
p0 216.6 ± 0.2029
280
260
240
220
200
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

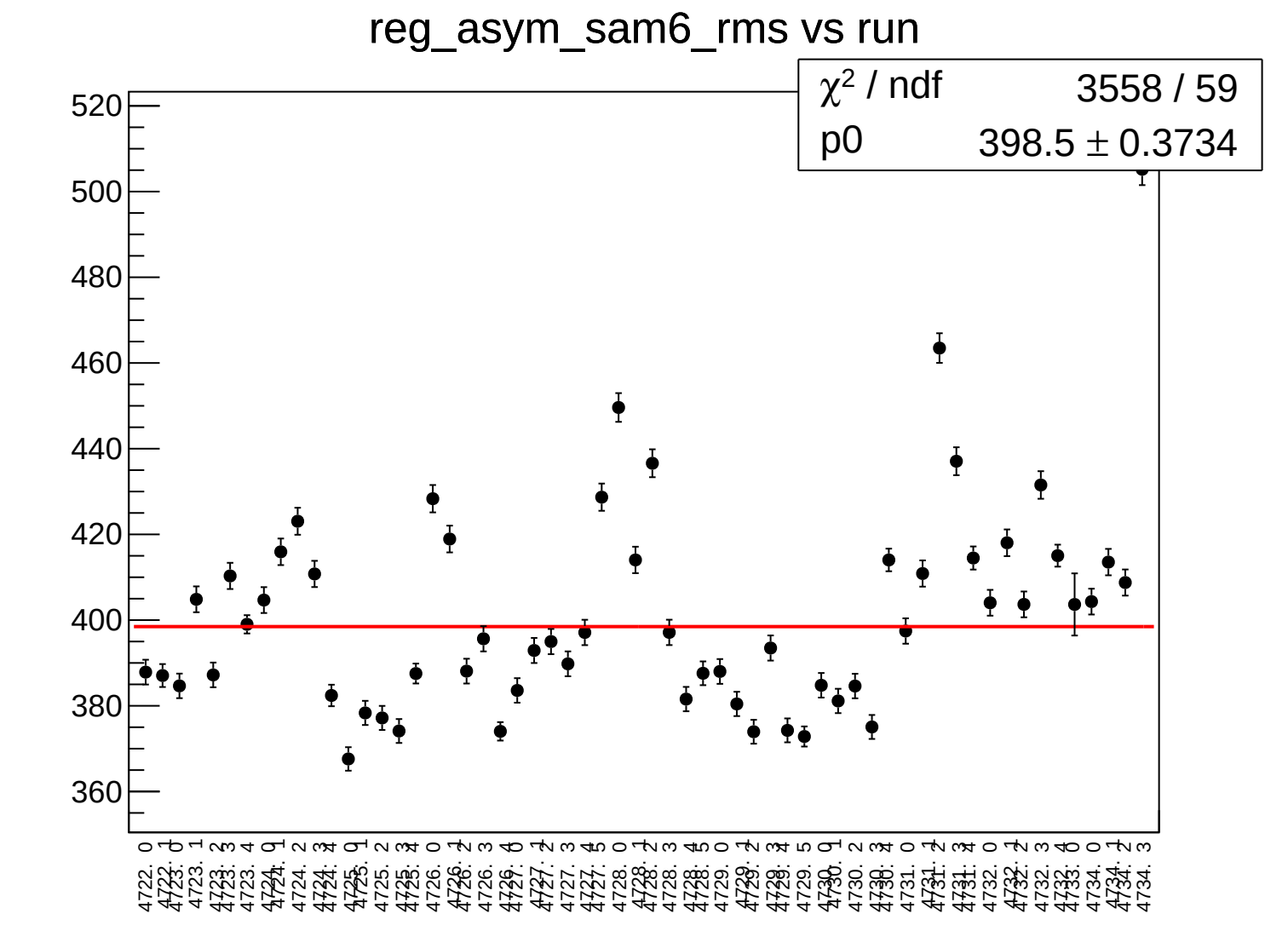

asym_sam5_correction_mean vs run
χ² / ndf 48.9 / 59
p0 866.2 ± 583.8
30000
20000
10000
0
−10000
pull
Entries 60
Mean −2.601
Std Dev 50.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

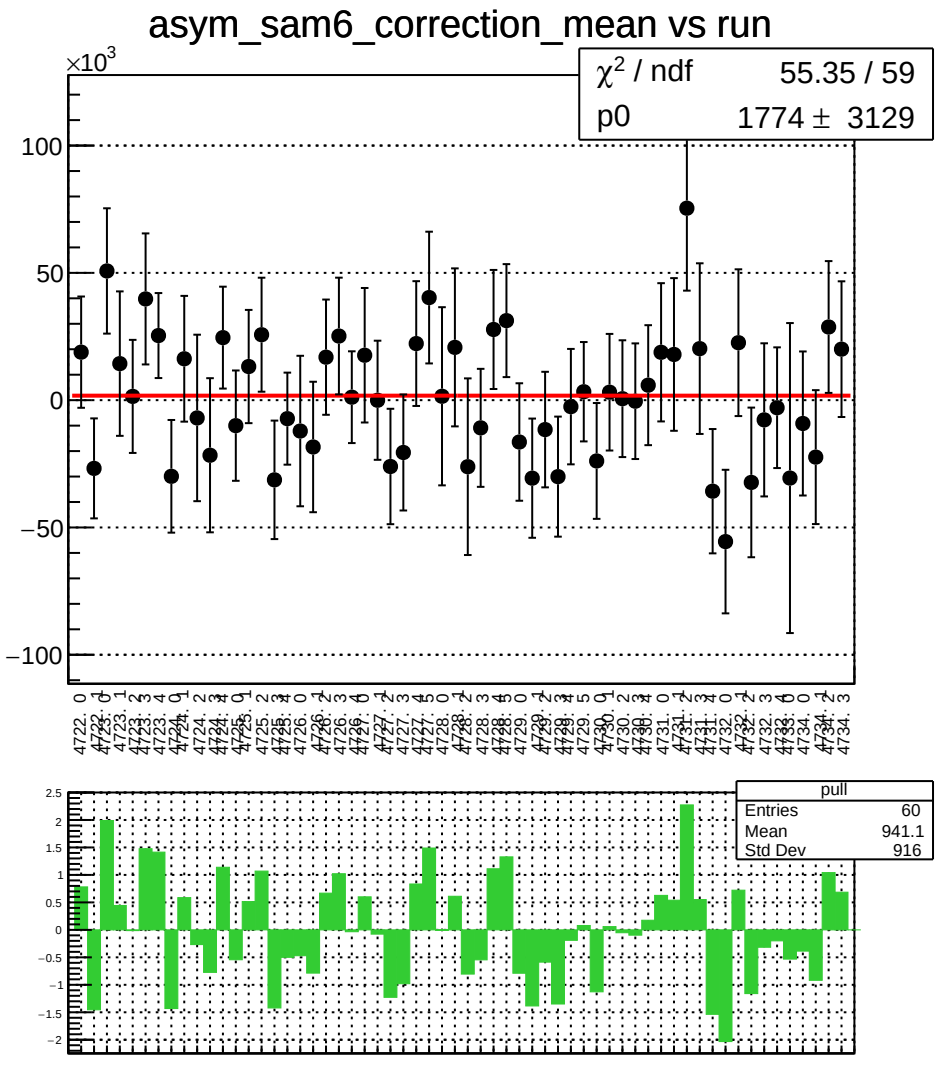

pull1D
Entries 60
Mean 0.01448
Std Dev 0.9026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

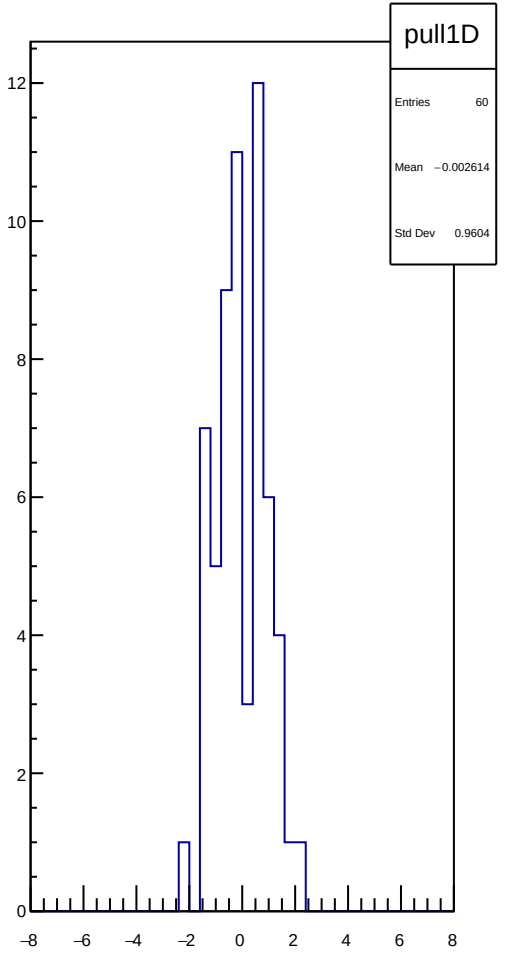

asym_sam5_correction_rms vs run
χ² / ndf 589 / 59
p0 441.1 ± 0.4128
480
470
460
450
440
430
420
410
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 9
4724. 1
4724. 2
4724. 3
4724. 4
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

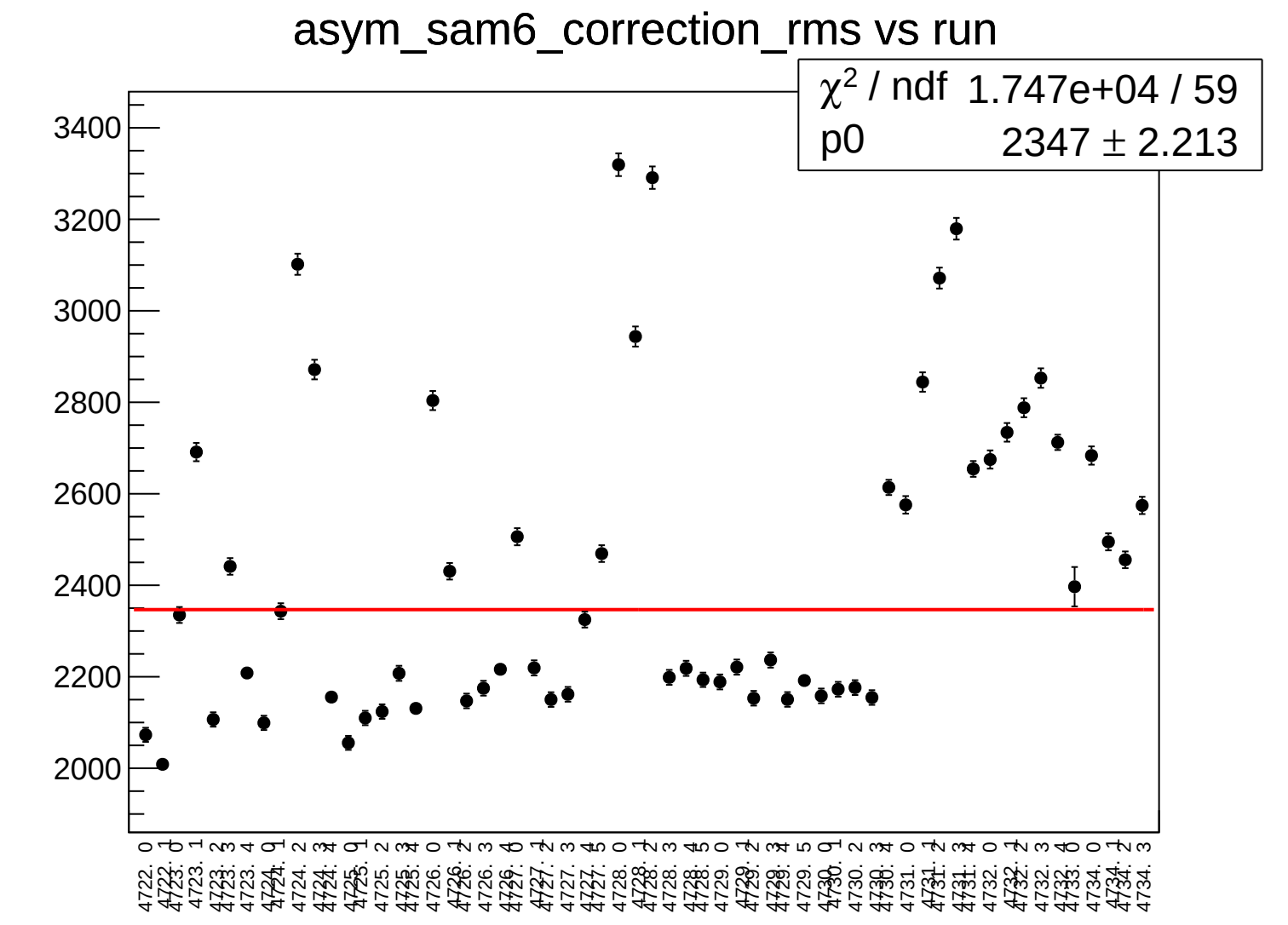

reg_asym_sam6_mean vs run
χ² / ndf 69.25 / 59
p0 779.1 ± 528.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 60
Mean 49.37
Std Dev 29.17
3
2
1
0
−1
−2

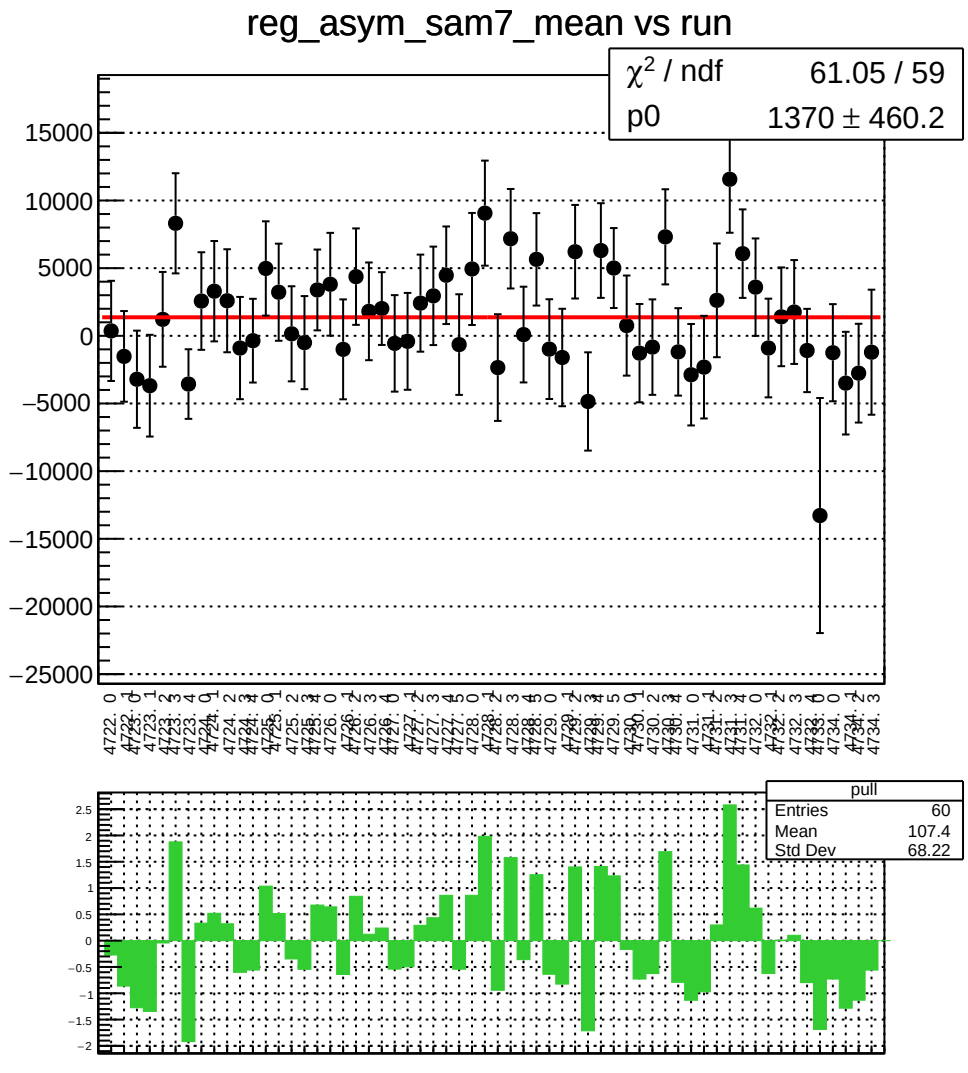

pull1D
Entries 60
Mean −0.03556
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

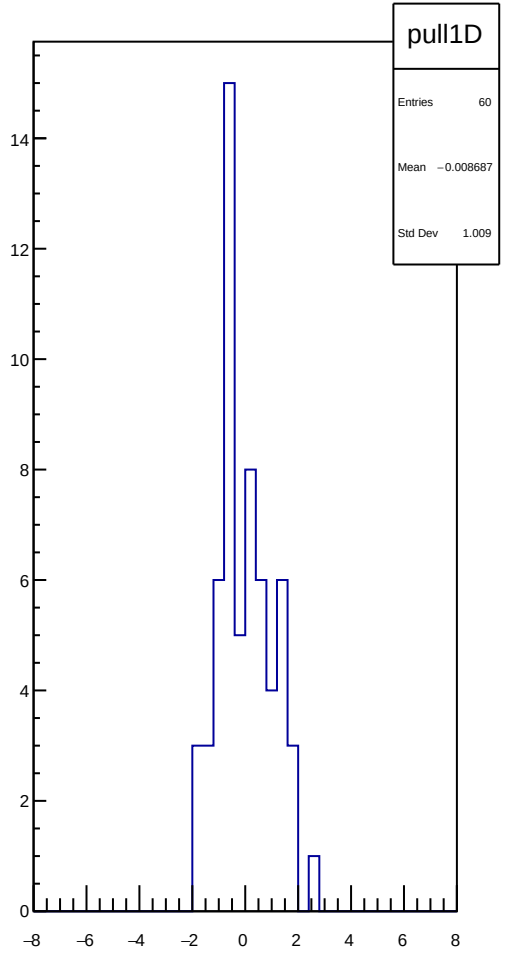

reg_asym_sam6_rms vs run
χ² / ndf 3558 / 59
p0 398.5 ± 0.3734
520
500
480
460
440
420
400
380
360
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

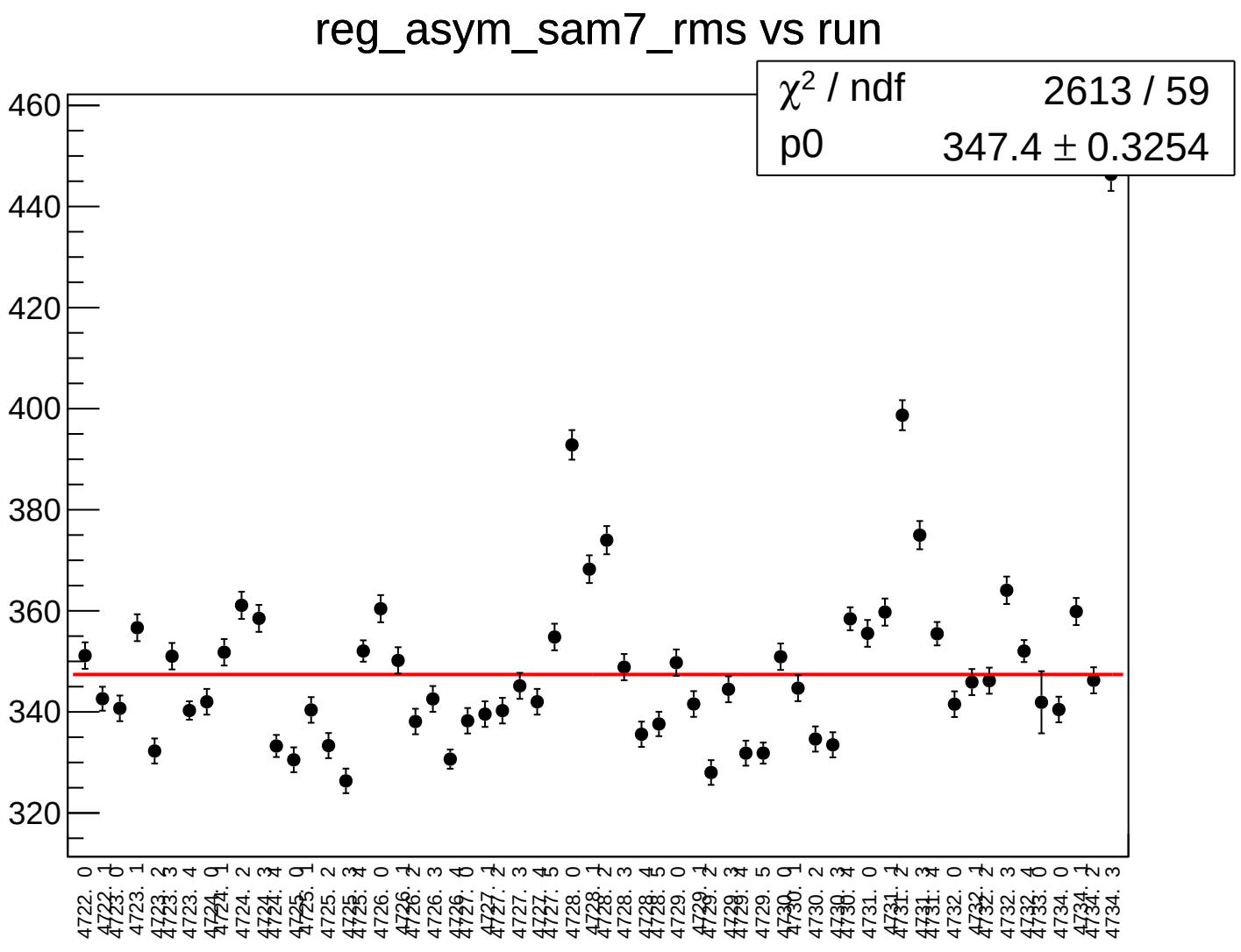

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 55.35 / 59
p0 1774 ± 3129
100
50
0
−50
−100
pull
Entries 60
Mean 941.1
Std Dev 916
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

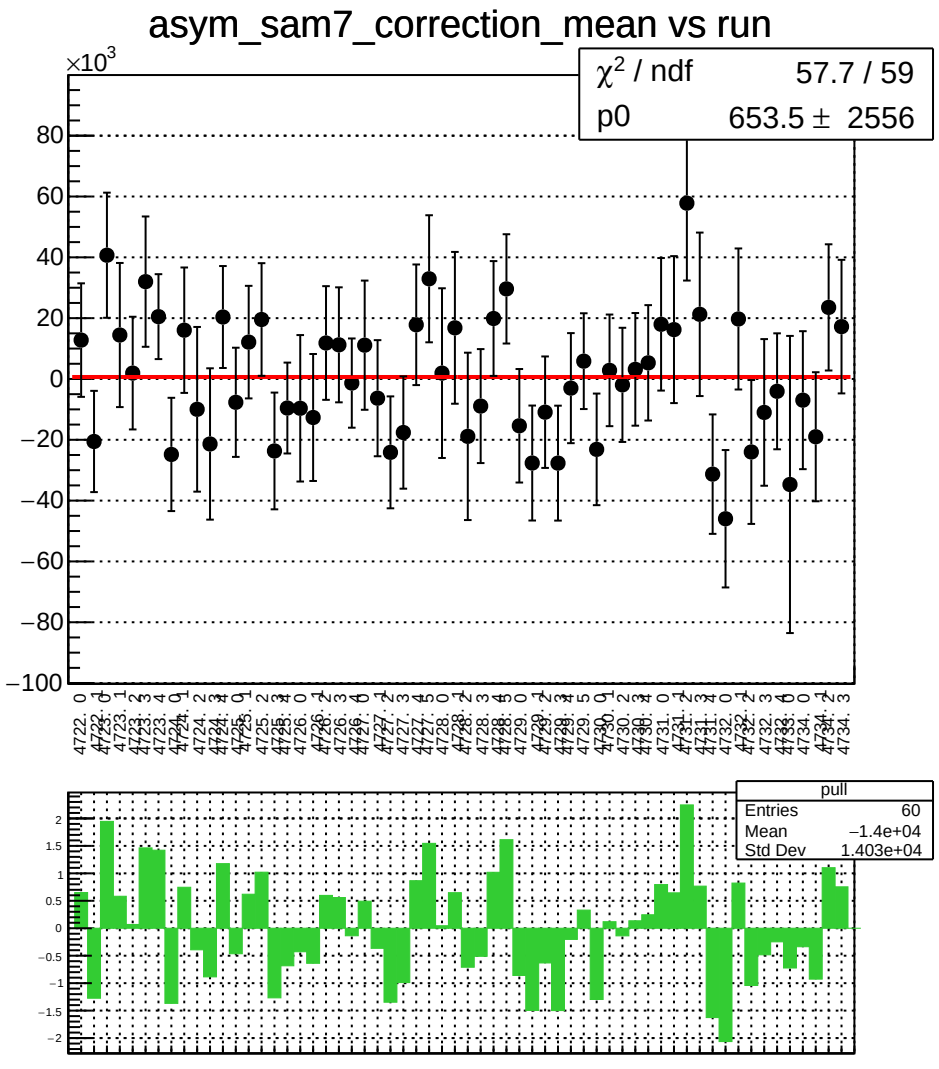

pull1D
Entries 60
Mean −0.002614
Std Dev 0.9604
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

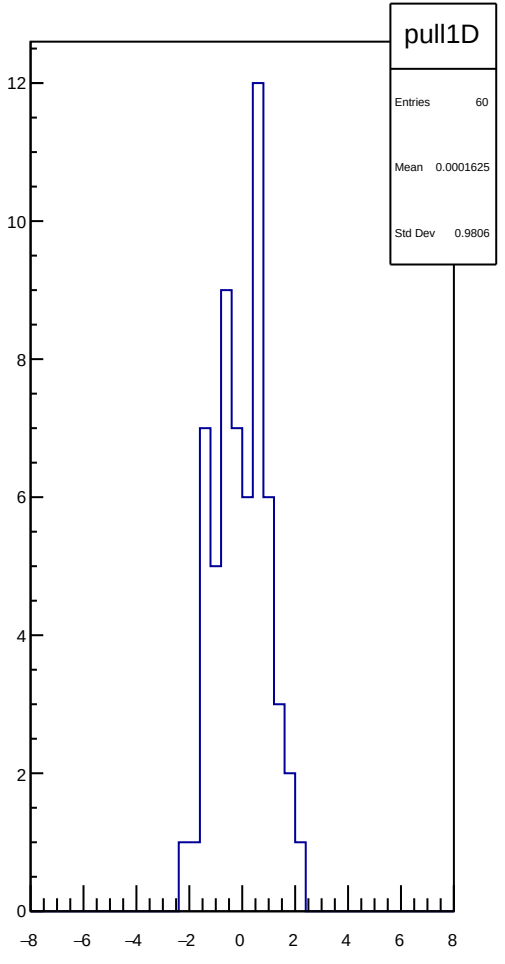

asym_sam6_correction_rms vs run
χ² / ndf 1.747e+04 / 59
p0 2347 ± 2.213
3400
3200
3000
2800
2600
2400
2200
2000

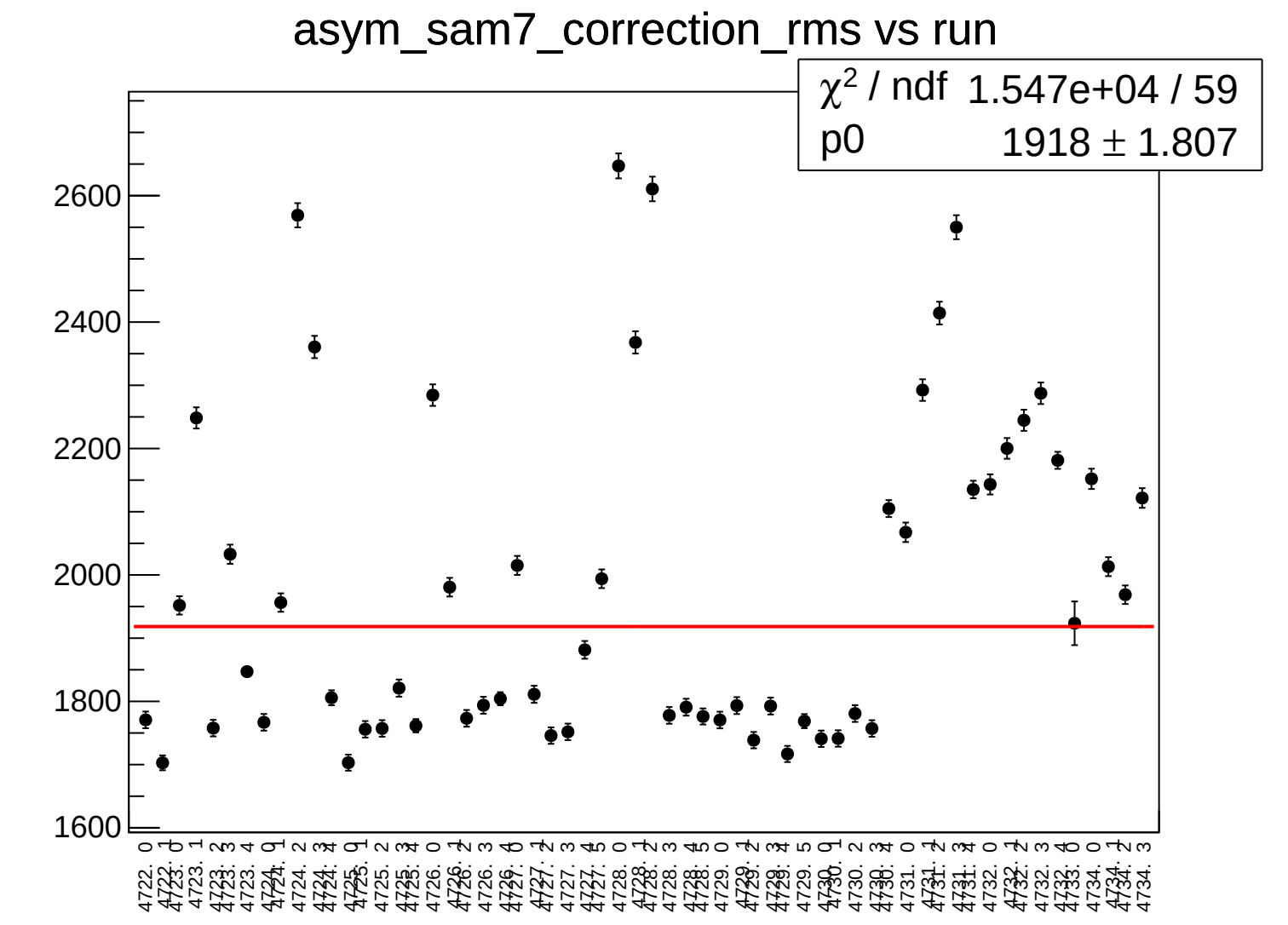

reg_asym_sam7_mean vs run
χ² / ndf 61.05 / 59
p0 1370 ± 460.2
pull
Entries 60
Mean 107.4
Std Dev 68.22

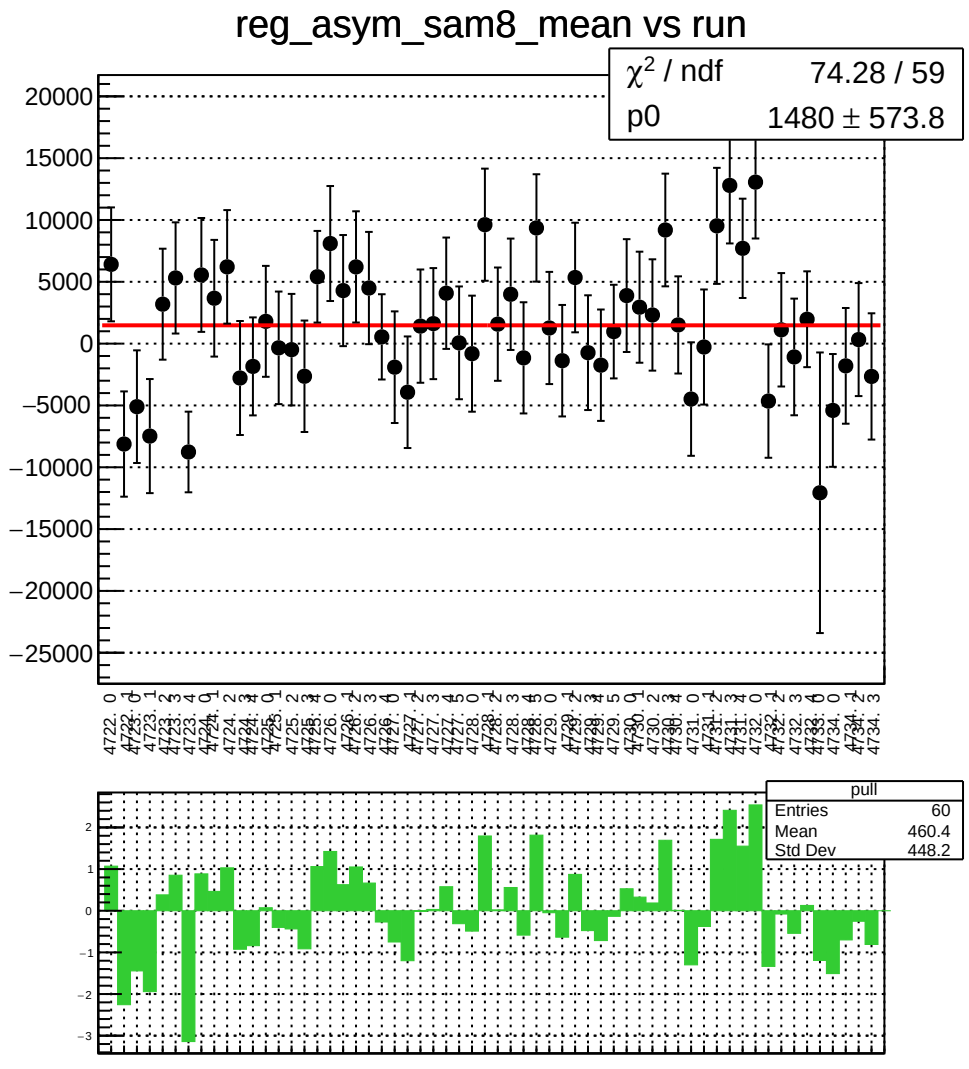

pull1D
Entries 60
Mean −0.008687
Std Dev 1.009

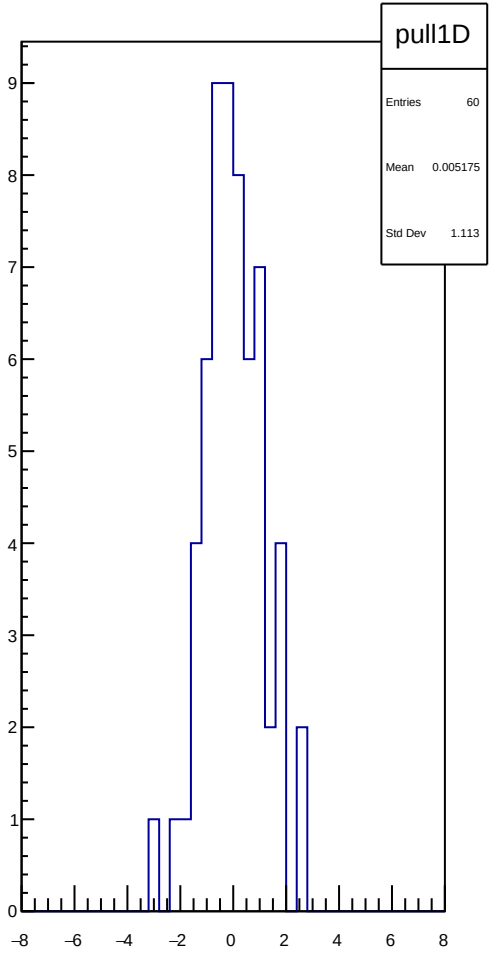

reg_asym_sam7_rms vs run
χ² / ndf 2613 / 59
p0 347.4 ± 0.3254
460
440
420
400
380
360
340
320
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

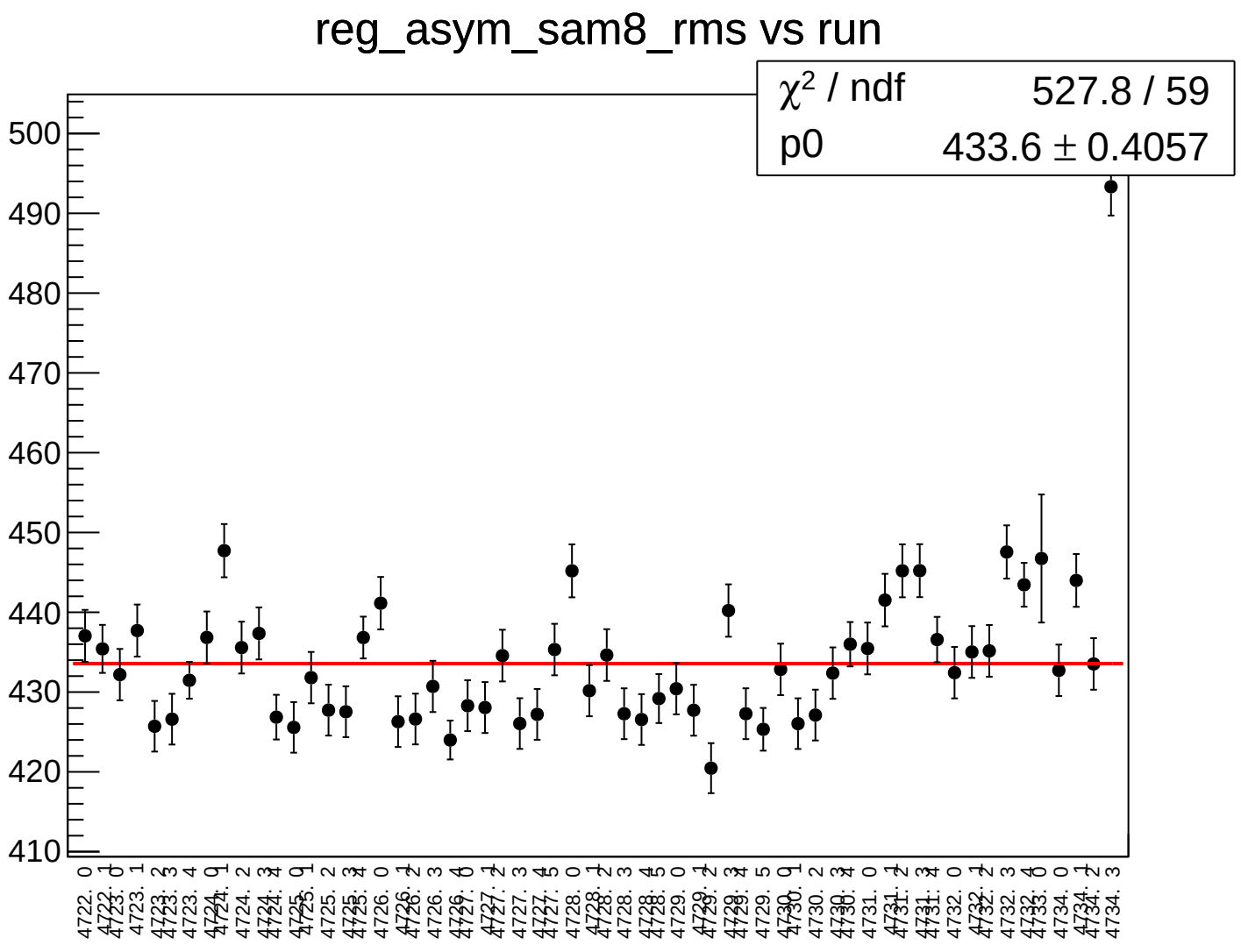

asym_sam7_correction_mean vs run
×10^3
χ^2 / ndf 57.7 / 59
p0 653.5 ± 2556
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 60
Mean −1.4e+04
Std Dev 1.403e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

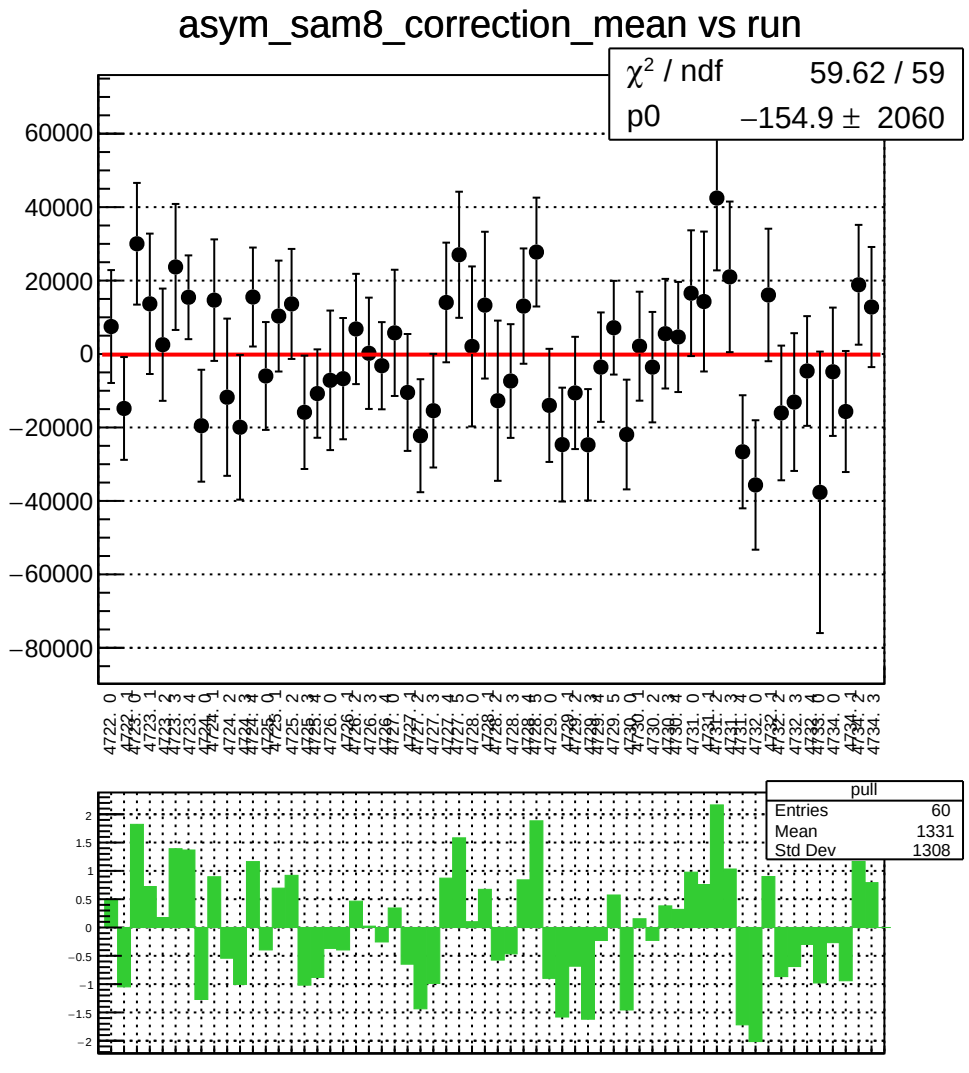

pull1D
Entries 60
Mean 0.0001625
Std Dev 0.9806
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

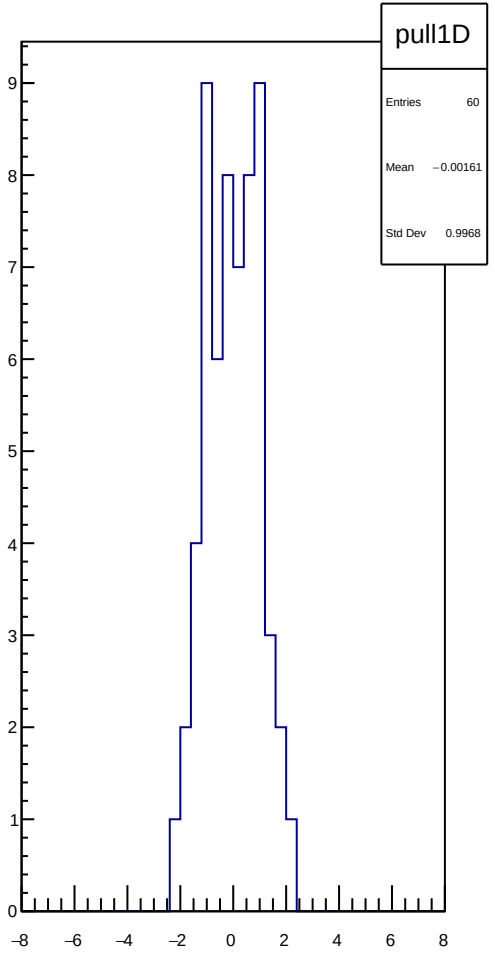

asym_sam7_correction_rms vs run
χ² / ndf 1.547e+04 / 59
p0 1918 ± 1.807
2600
2400
2200
2000
1800
1600
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

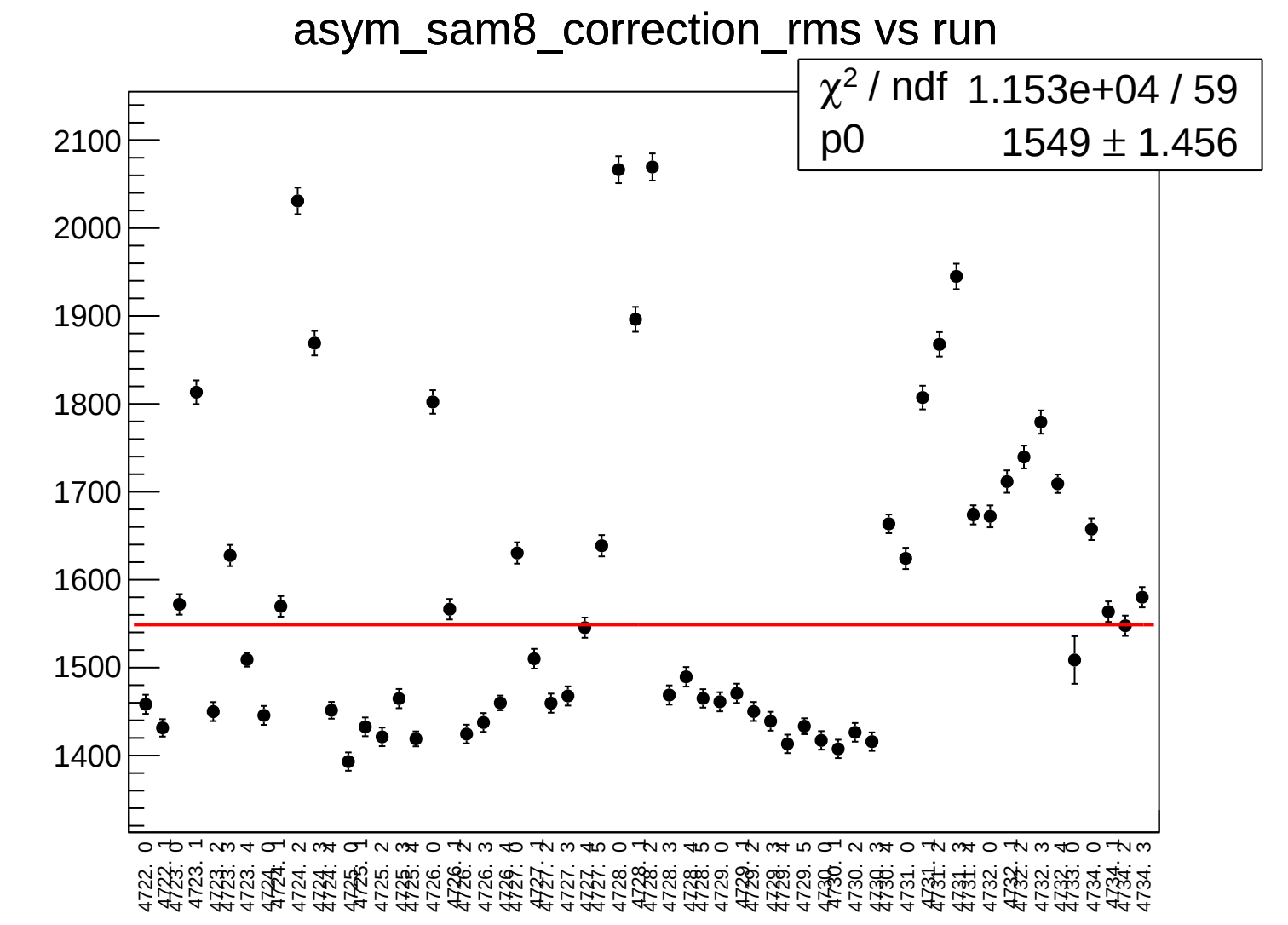

reg_asym_sam8_mean vs run
χ² / ndf 74.28 / 59
p0 1480 ± 573.8
pull
Entries 60
Mean 460.4
Std Dev 448.2

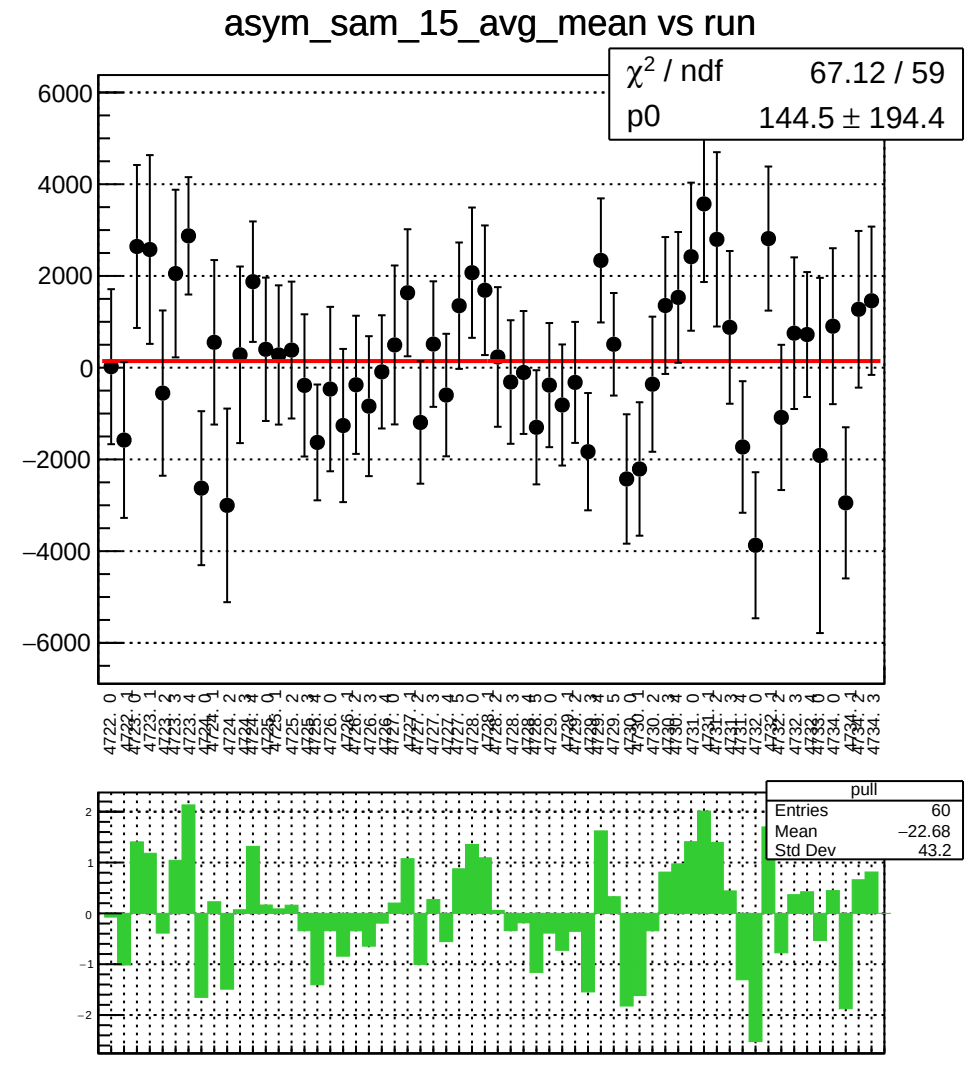

pull1D
Entries 60
Mean 0.005175
Std Dev 1.113

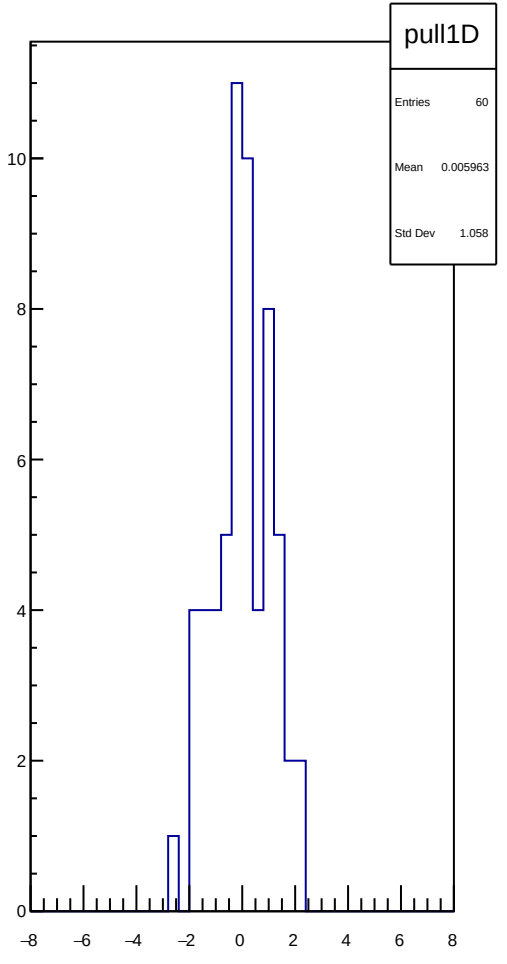

reg_asym_sam8_rms vs run
χ² / ndf 527.8 / 59
p0 433.6 ± 0.4057
500
490
480
470
460
450
440
430
420
410
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

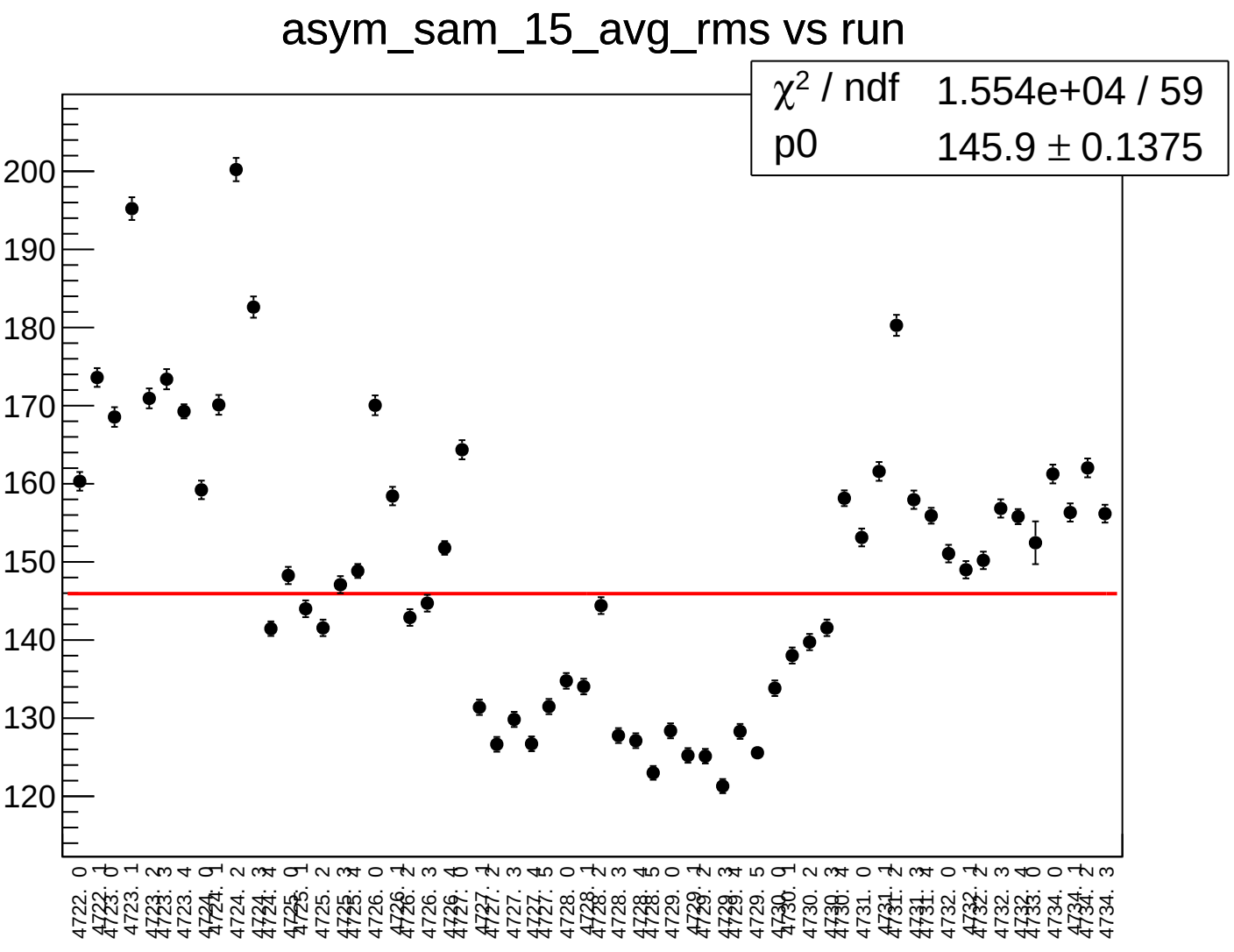

asym_sam8_correction_mean vs run
χ² / ndf 59.62 / 59
p0 −154.9 ± 2060
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 60
Mean 1331
Std Dev 1308
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

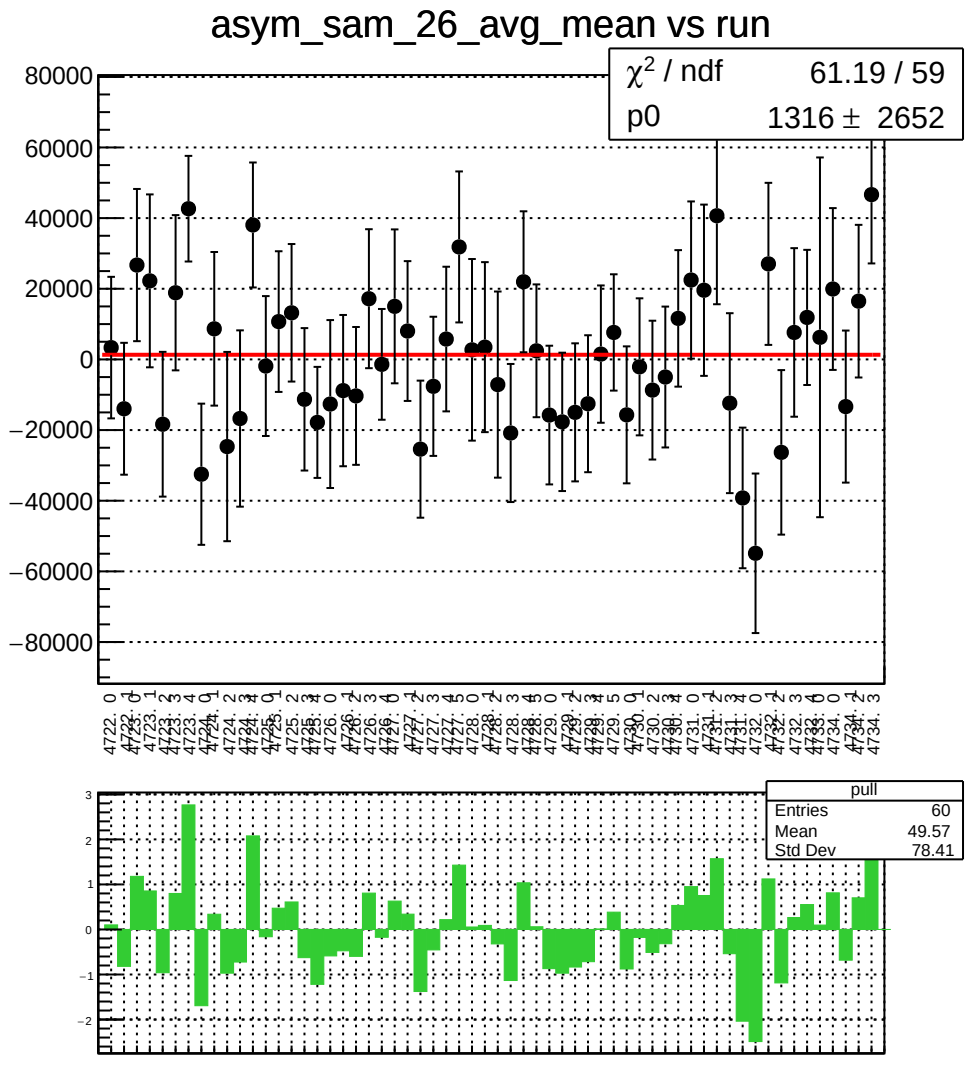

pull1D
Entries 60
Mean −0.00161
Std Dev 0.9968
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

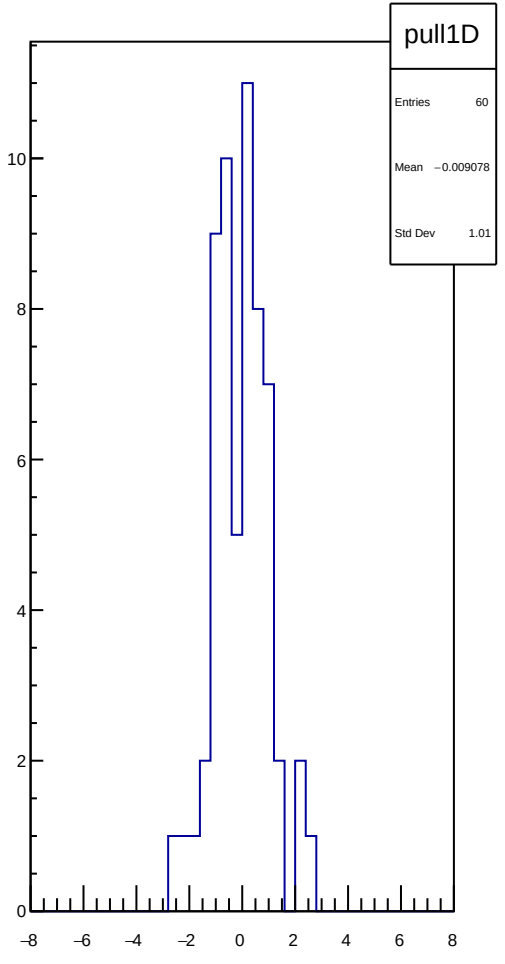

asym_sam8_correction_rms vs run
χ² / ndf 1.153e+04 / 59
p0 1549 ± 1.456
2100
2000
1900
1800
1700
1600
1500
1400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

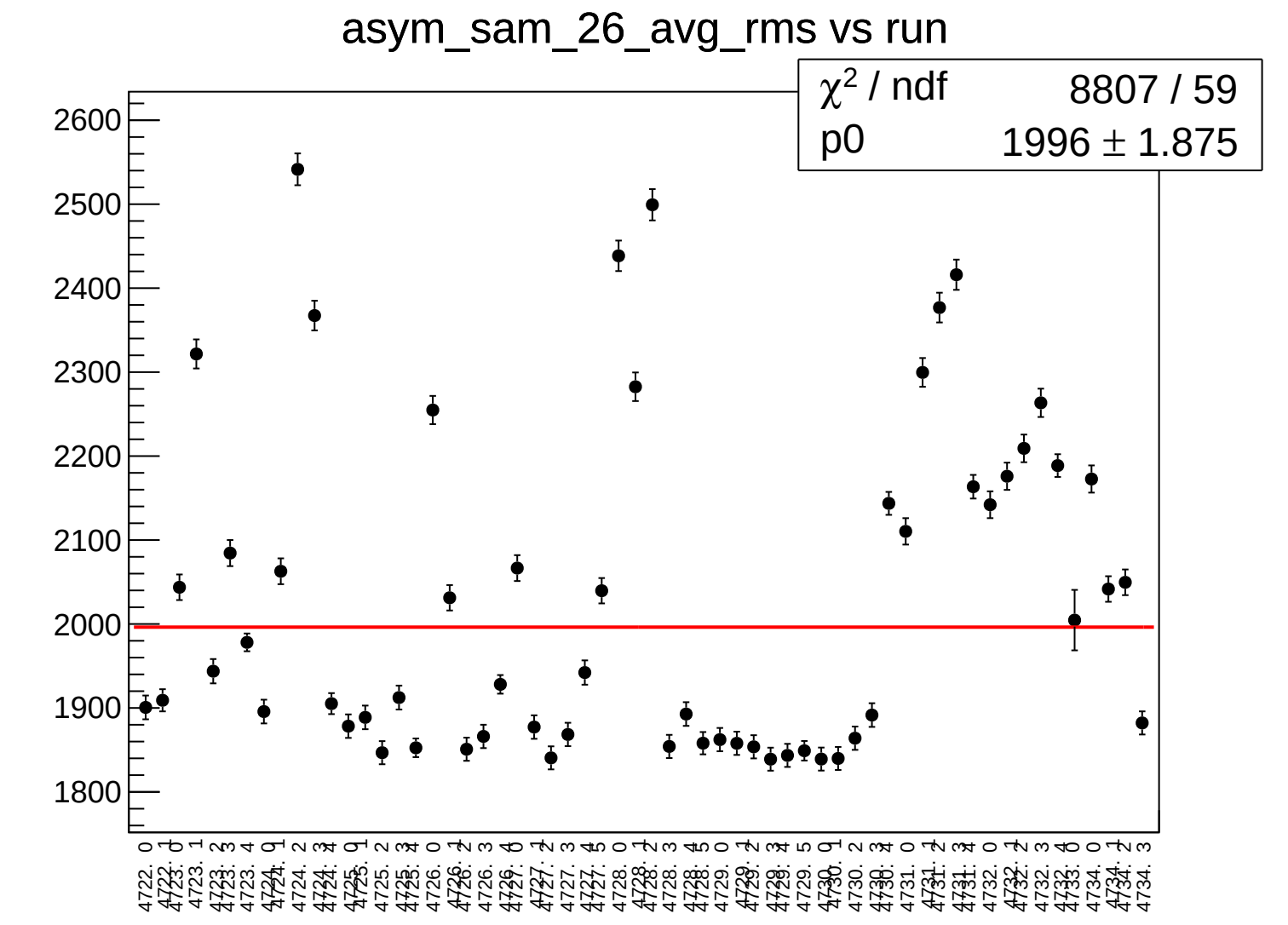

asym_sam_15_avg_mean vs run
χ² / ndf 67.12 / 59
p0 144.5 ± 194.4
pull
Entries 60
Mean −22.68
Std Dev 43.2

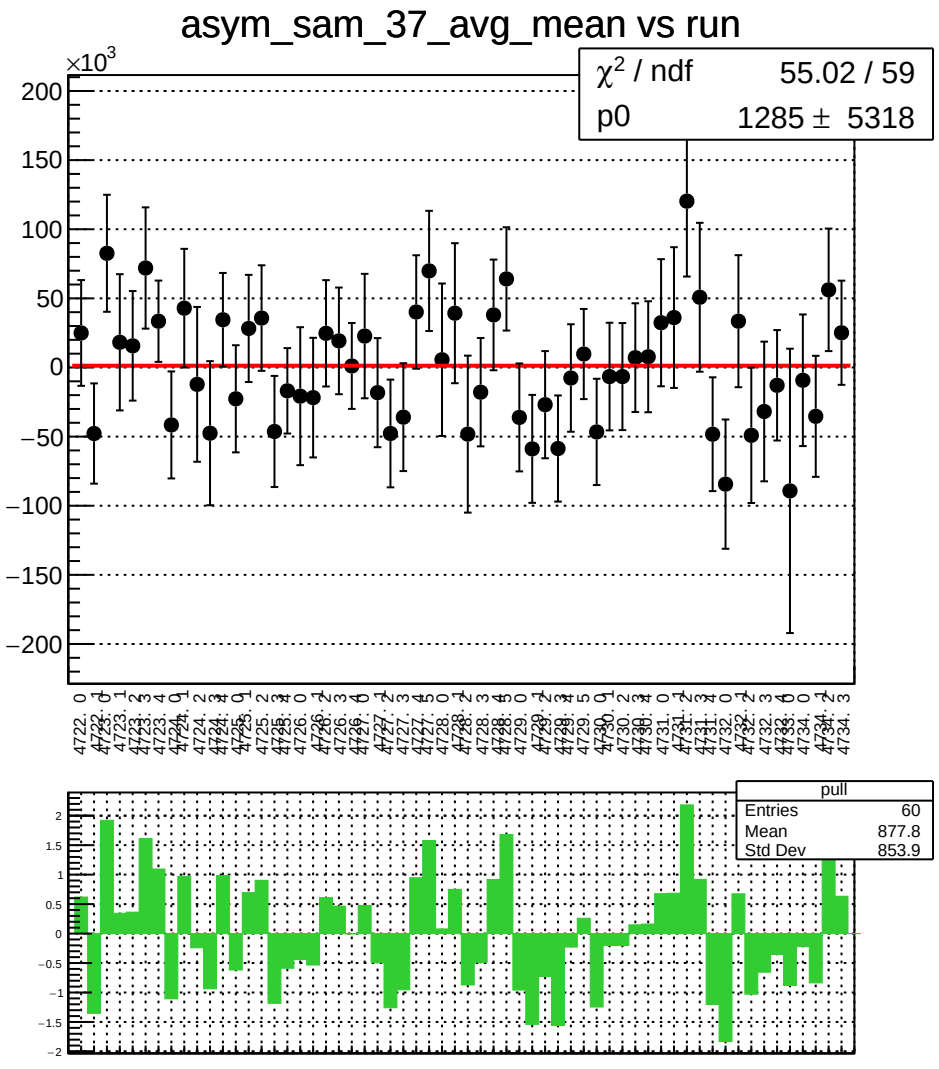

pull1D
Entries 60
Mean 0.005963
Std Dev 1.058

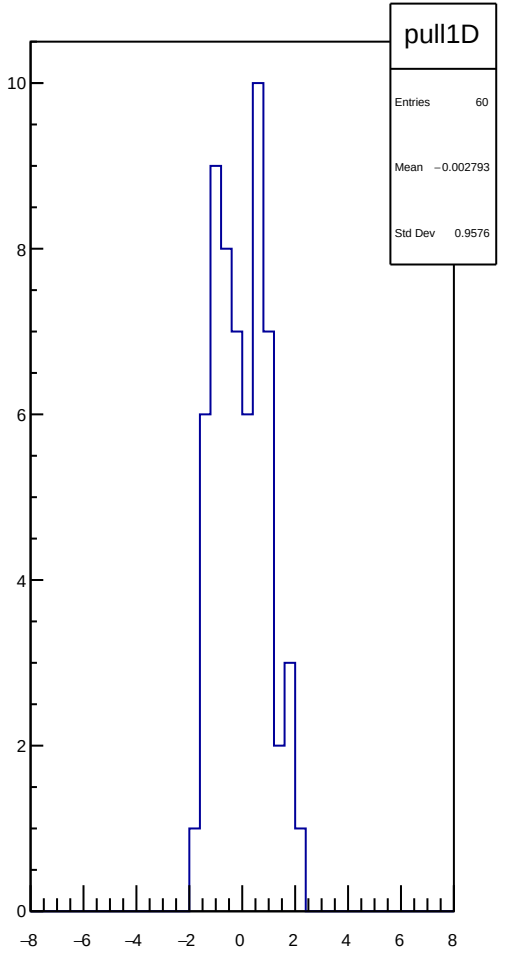

asym_sam_15_avg_rms vs run
χ² / ndf 1.554e+04 / 59
p0 145.9 ± 0.1375
200
190
180
170
160
150
140
130
120
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

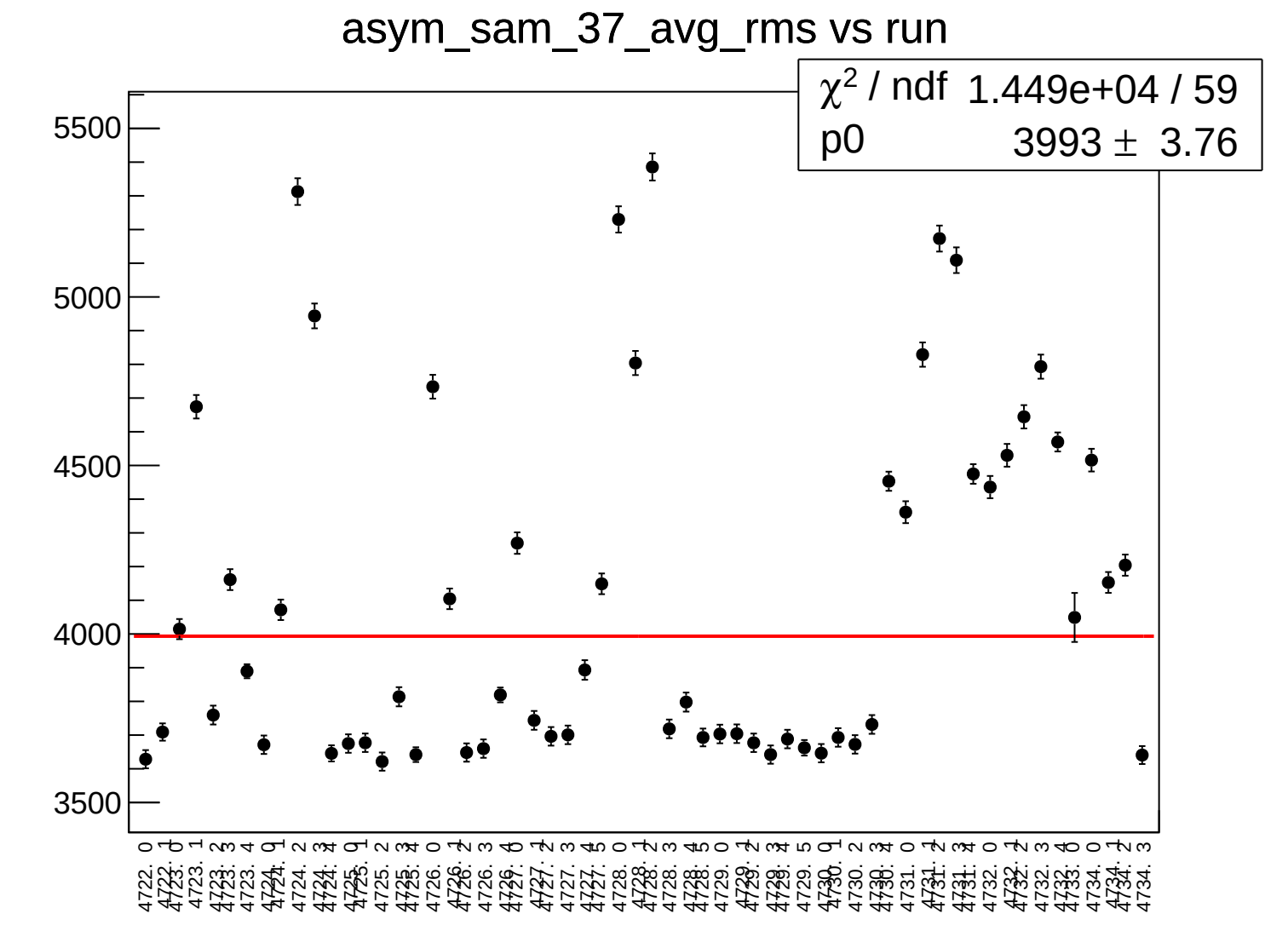

asym_sam_26_avg_mean vs run
χ² / ndf 61.19 / 59
p0 1316 ± 2652
pull
Entries 60
Mean 49.57
Std Dev 78.41

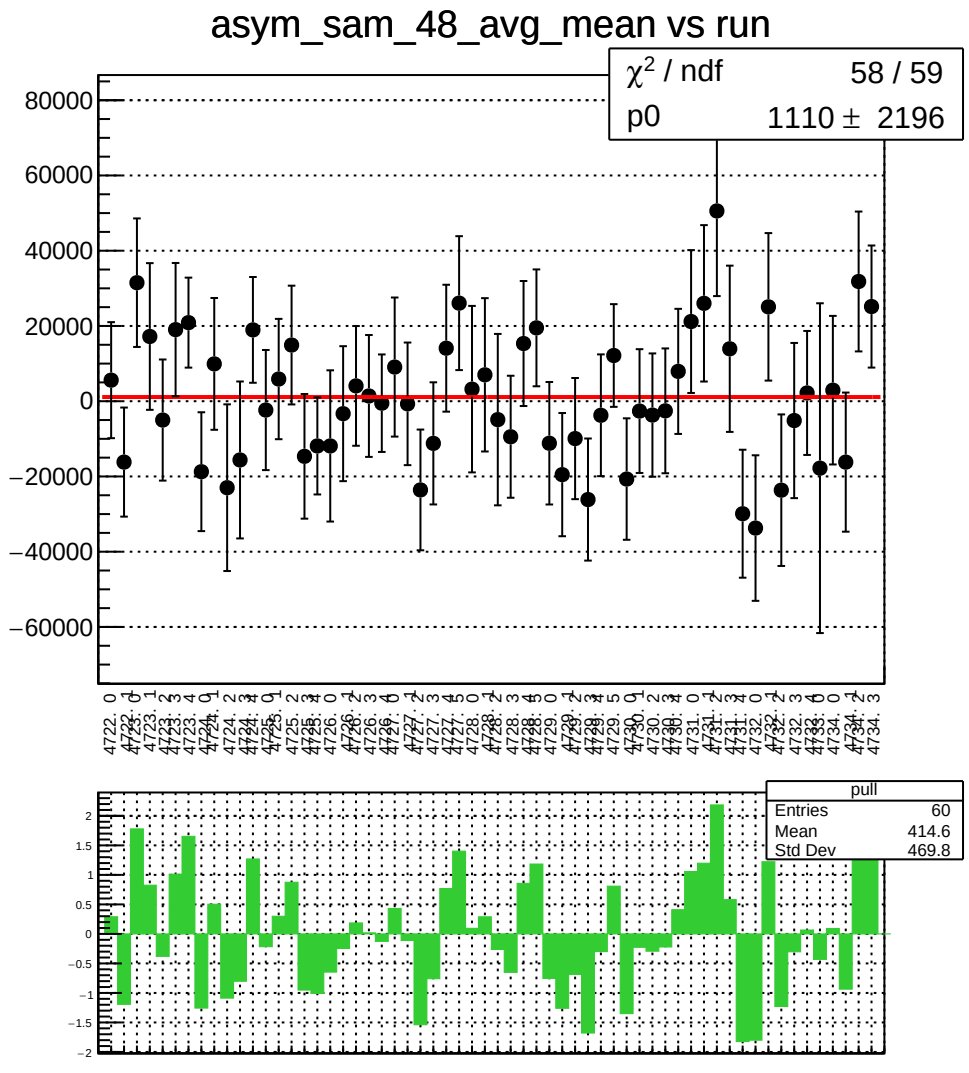

pull1D
Entries 60
Mean −0.009078
Std Dev 1.01

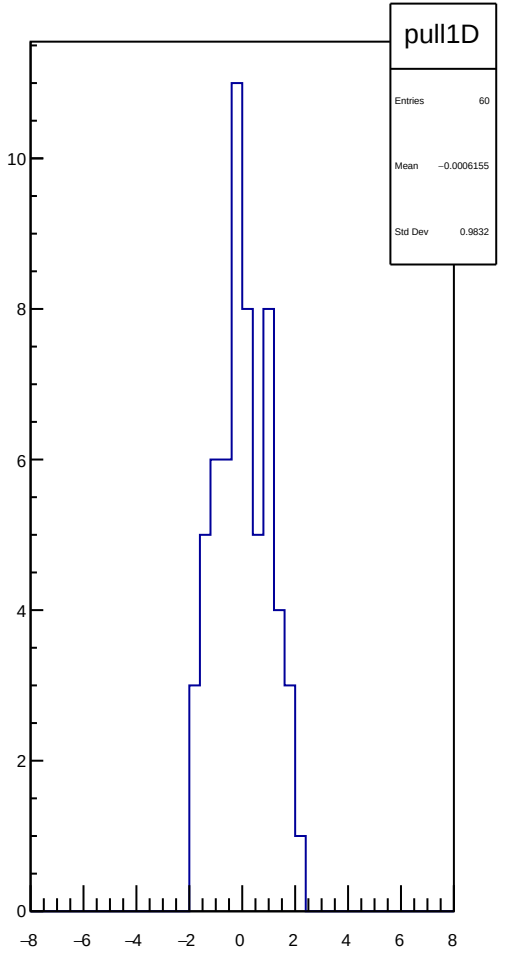

asym_sam_26_avg_rms vs run
χ² / ndf 8807 / 59
p0 1996 ± 1.875
2600
2500
2400
2300
2200
2100
2000
1900
1800
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

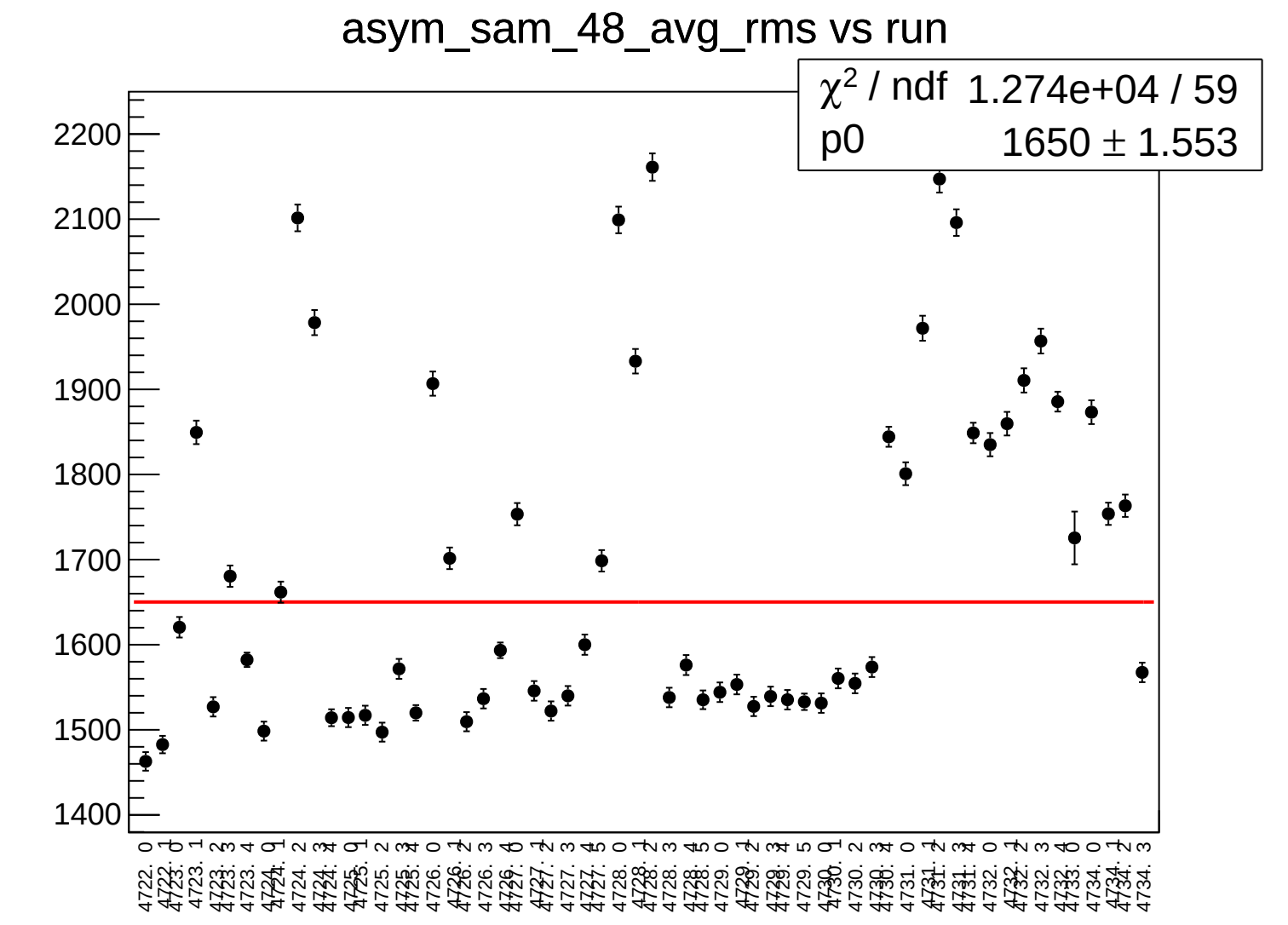

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 55.02 / 59
p0 1285 ± 5318
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 60
Mean 877.8
Std Dev 853.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

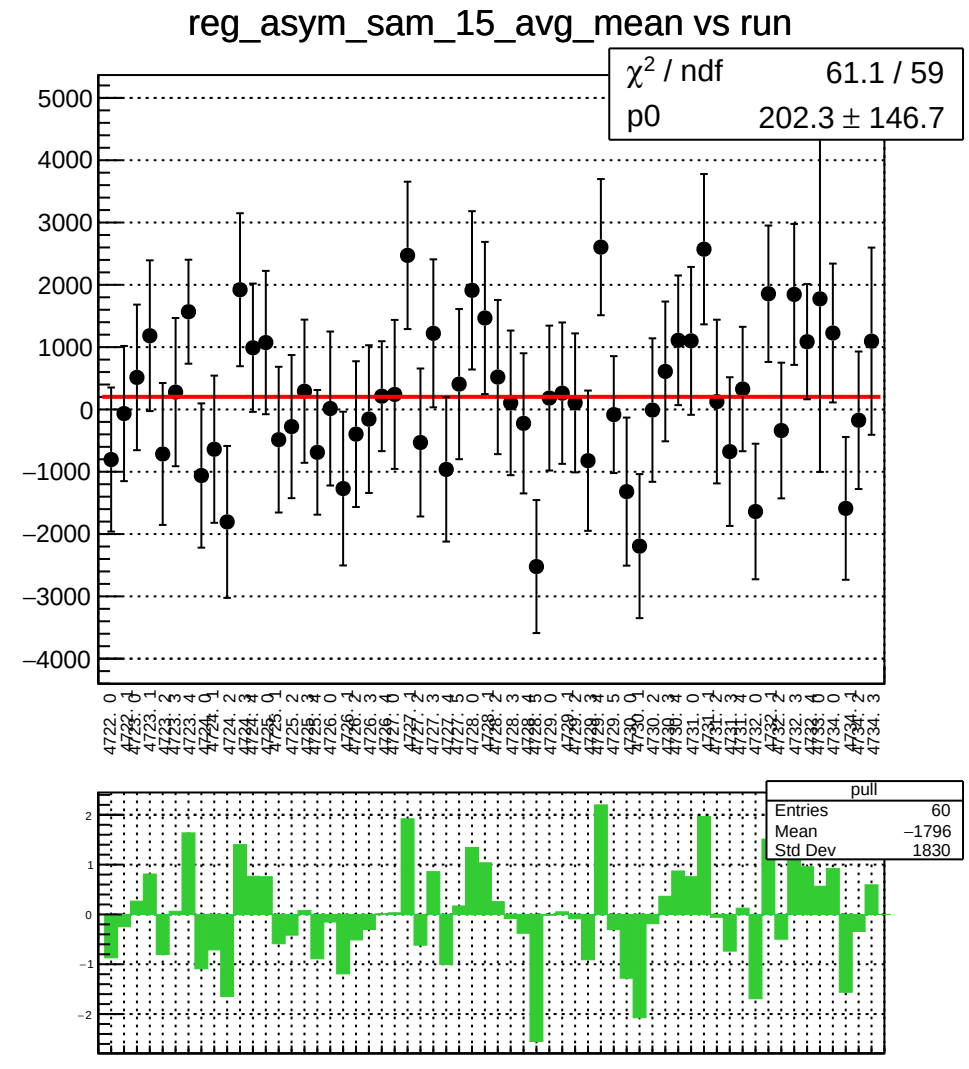

pull1D
Entries 60
Mean −0.002793
Std Dev 0.9576
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

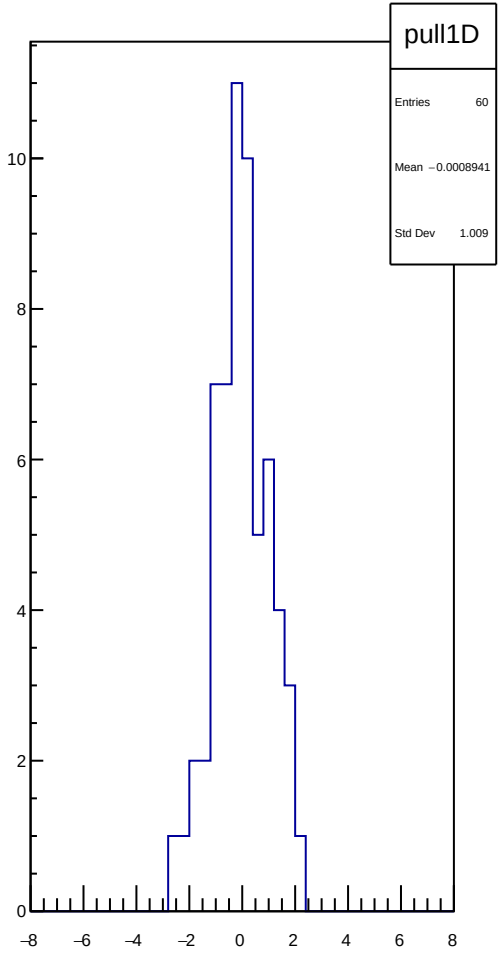

asym_sam_37_avg_rms vs run
χ² / ndf 1.449e+04 / 59
p0 3993 ± 3.76
5500
5000
4500
4000
3500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

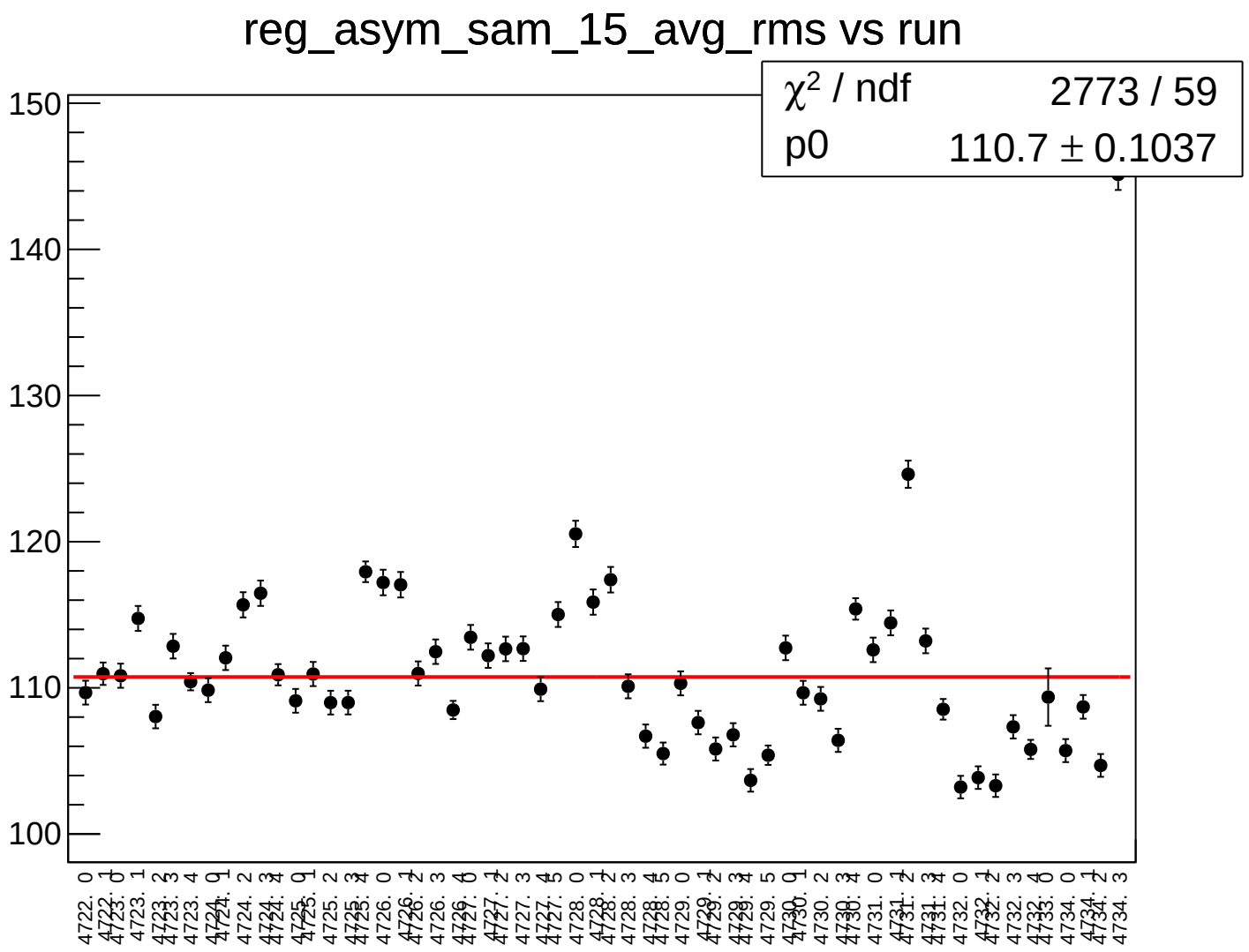

asym_sam_48_avg_mean vs run
χ² / ndf 58 / 59
p0 1110 ± 2196
pull
Entries 60
Mean 414.6
Std Dev 469.8

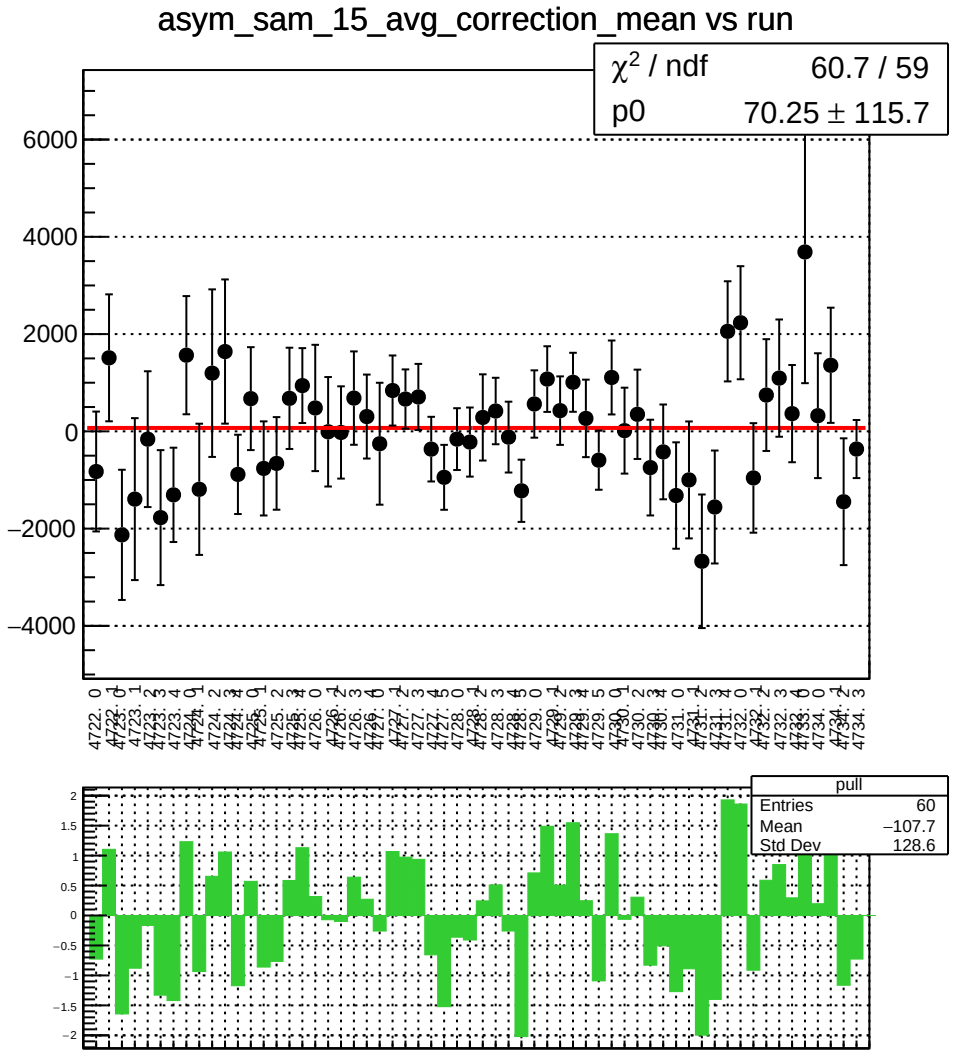

pull1D
Entries 60
Mean −0.0006155
Std Dev 0.9832

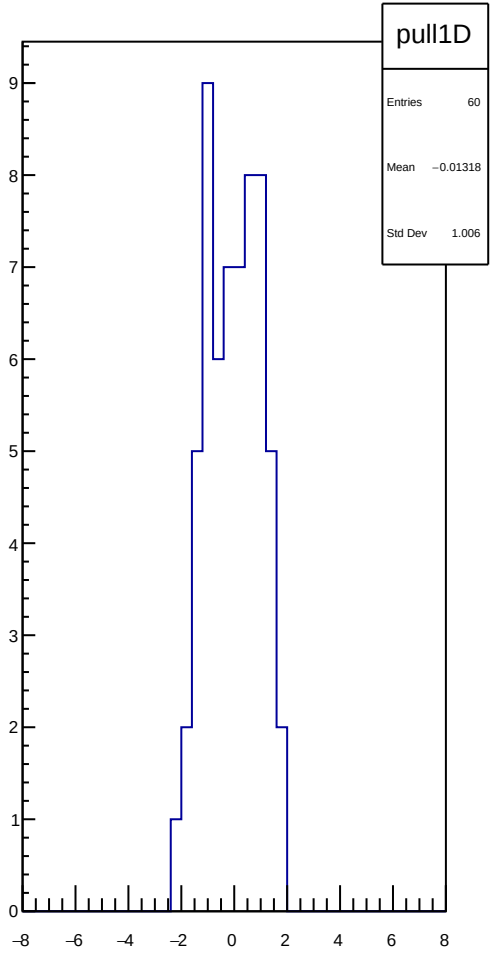

asym_sam_48_avg_rms vs run
χ² / ndf 1.274e+04 / 59
p0 1650 ± 1.553
2200
2100
2000
1900
1800
1700
1600
1500
1400

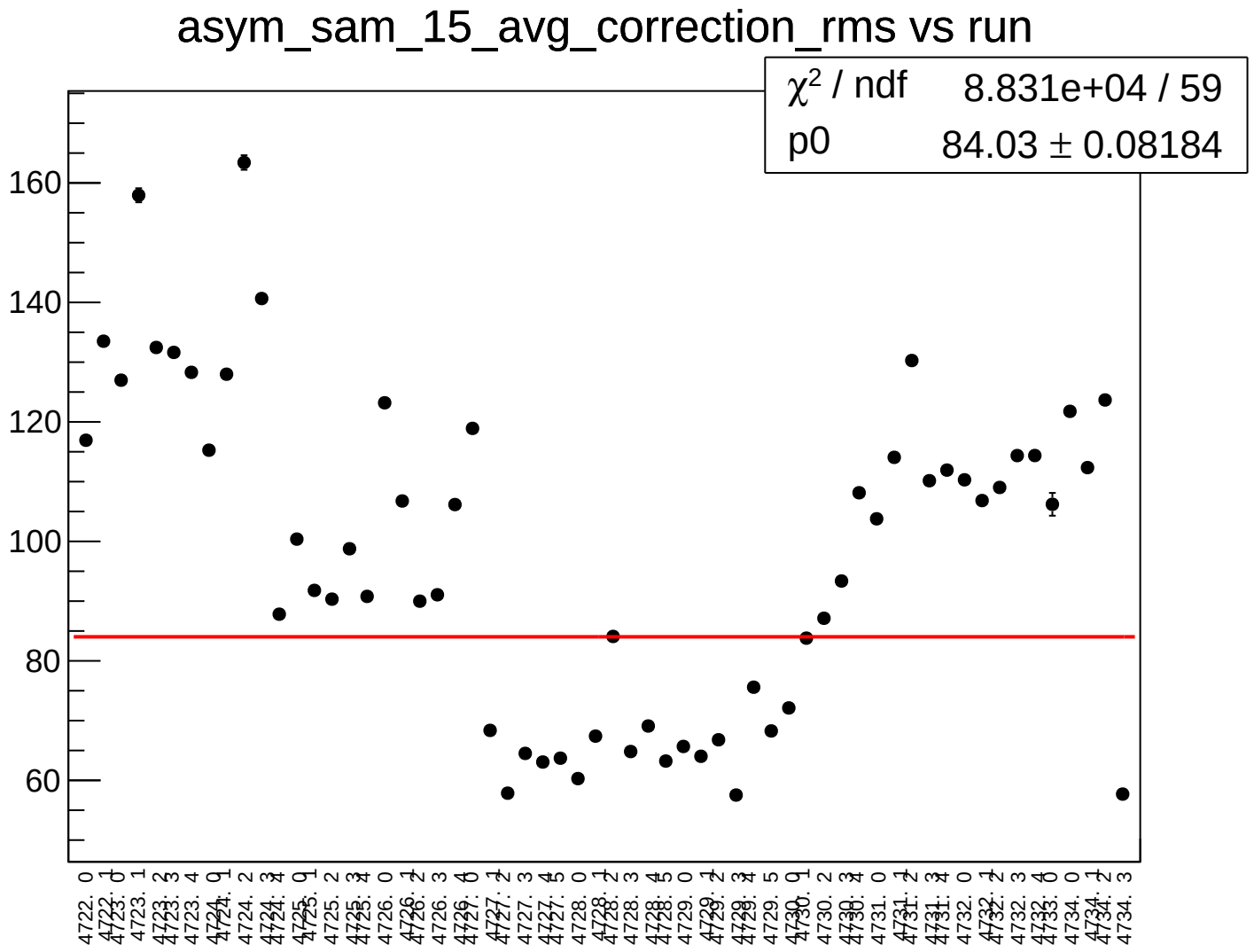

reg_asym_sam_15_avg_mean vs run
χ² / ndf 61.1 / 59
p0 202.3 ± 146.7
pull
Entries 60
Mean −1796
Std Dev 1830

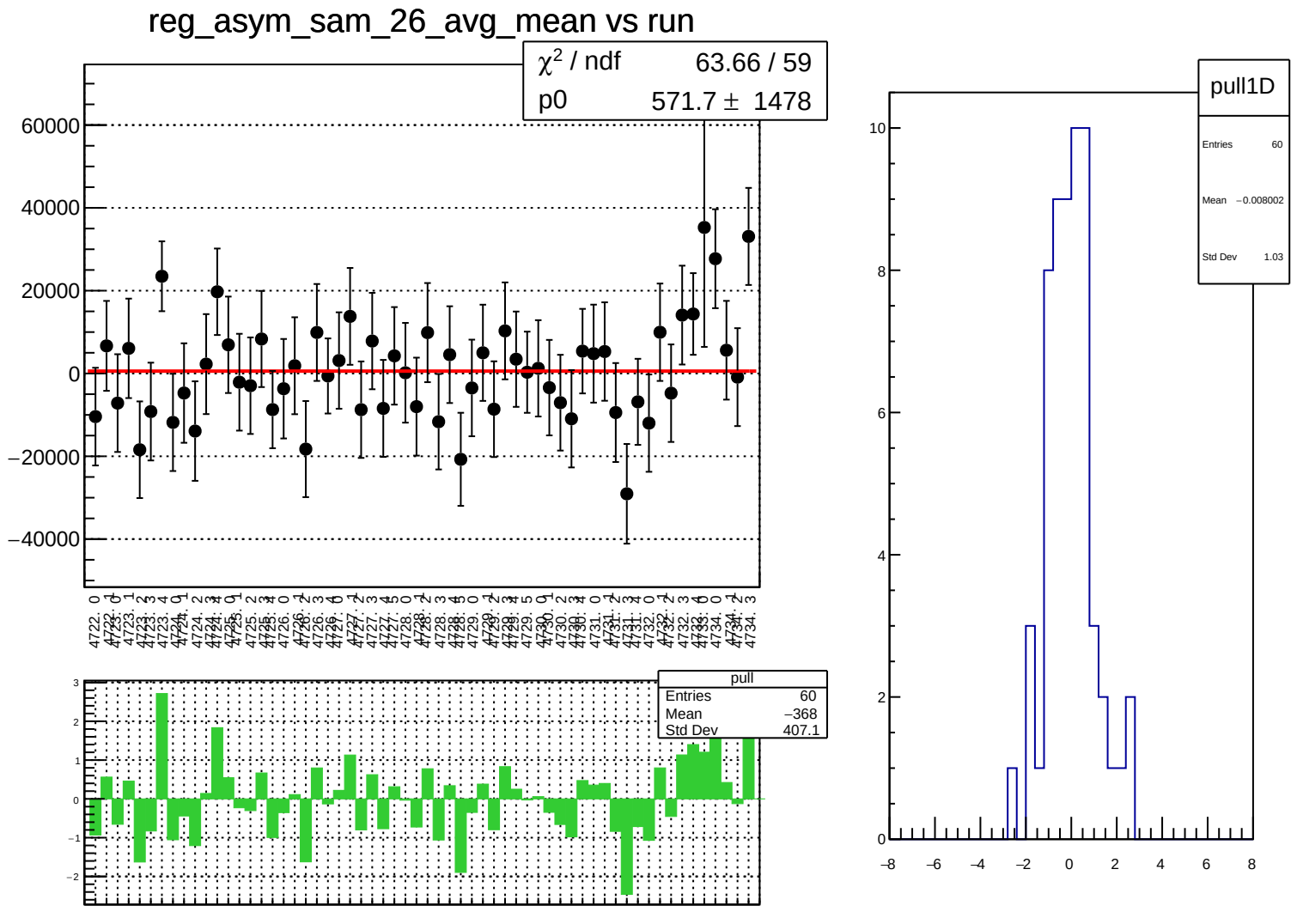

pull1D
Entries 60
Mean −0.0008941
Std Dev 1.009

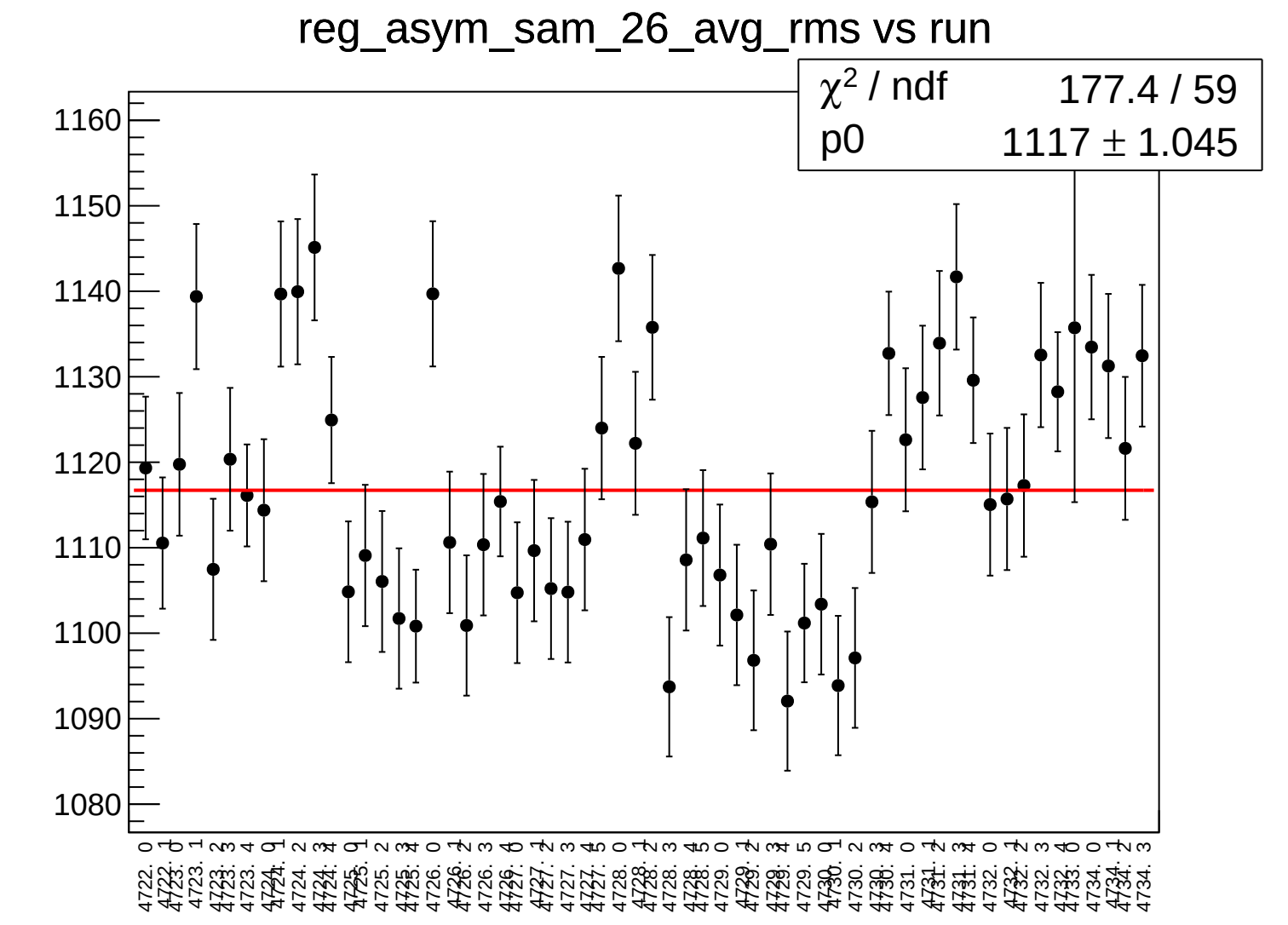

reg_asym_sam_15_avg_rms vs run
χ² / ndf 2773 / 59
p0 110.7 ± 0.1037
150
140
130
120
110
100
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

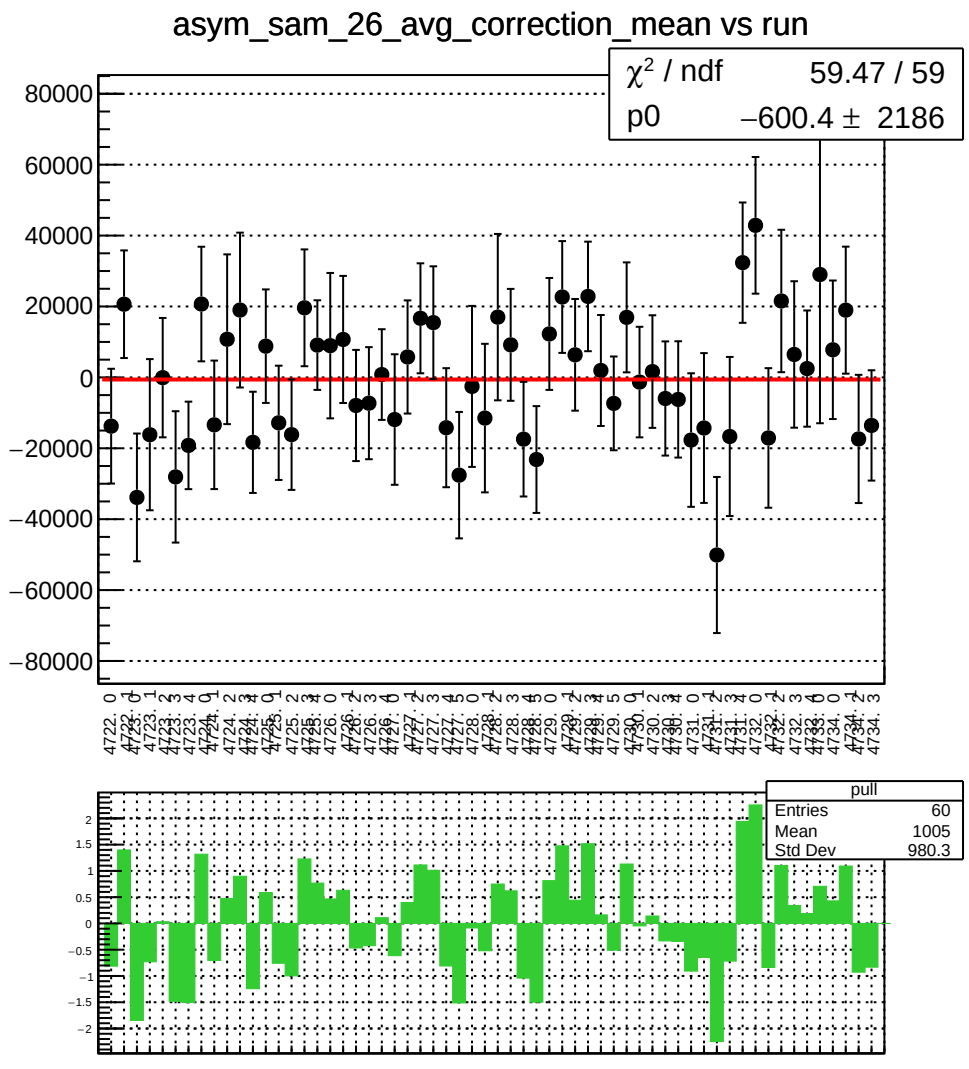

asym_sam_15_avg_correction_mean vs run
χ² / ndf 60.7 / 59
p0 70.25 ± 115.7
pull
Entries 60
Mean −107.7
Std Dev 128.6

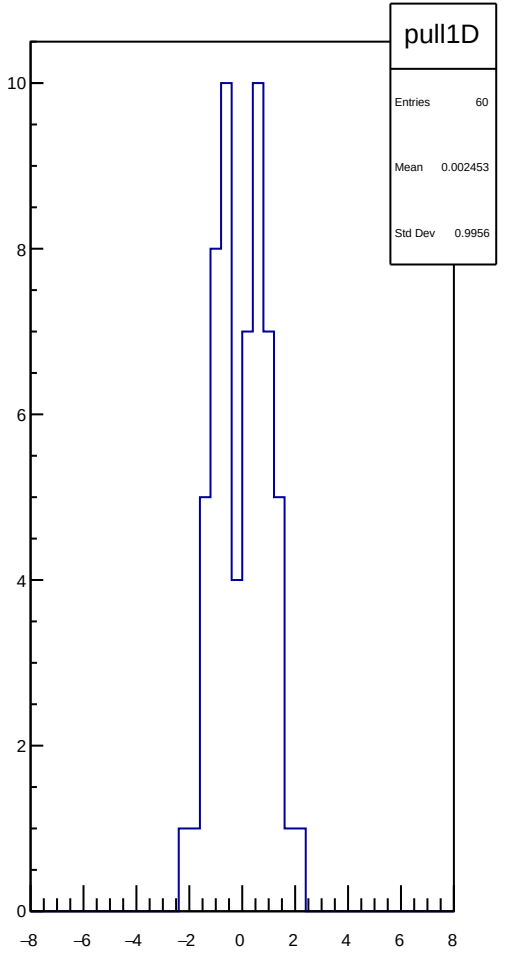

pull1D
Entries 60
Mean −0.01318
Std Dev 1.006

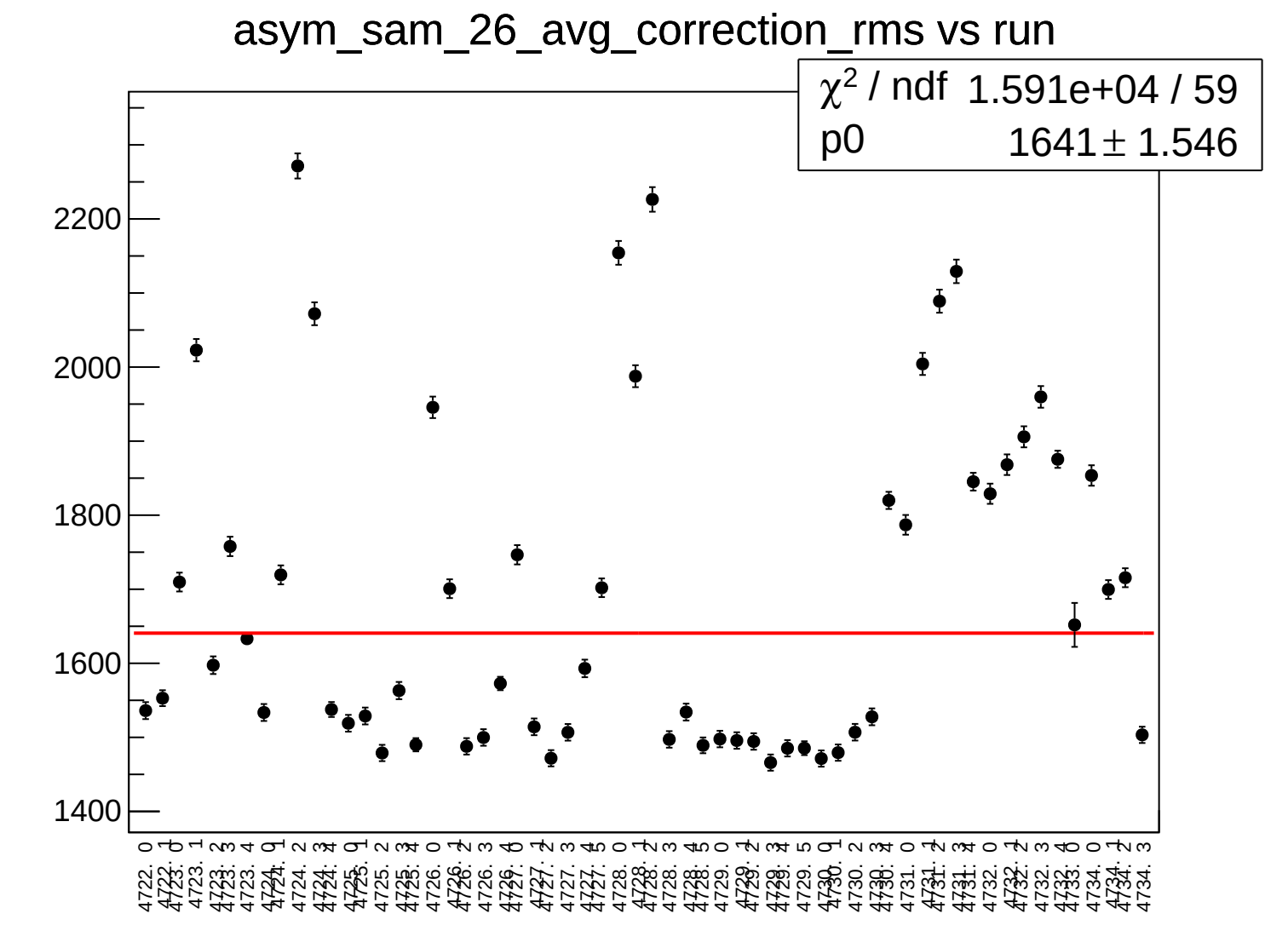

asym_sam_15_avg_correction_rms vs run
χ² / ndf 8.831e+04 / 59
p0 84.03 ± 0.08184
160
140
120
100
80
60

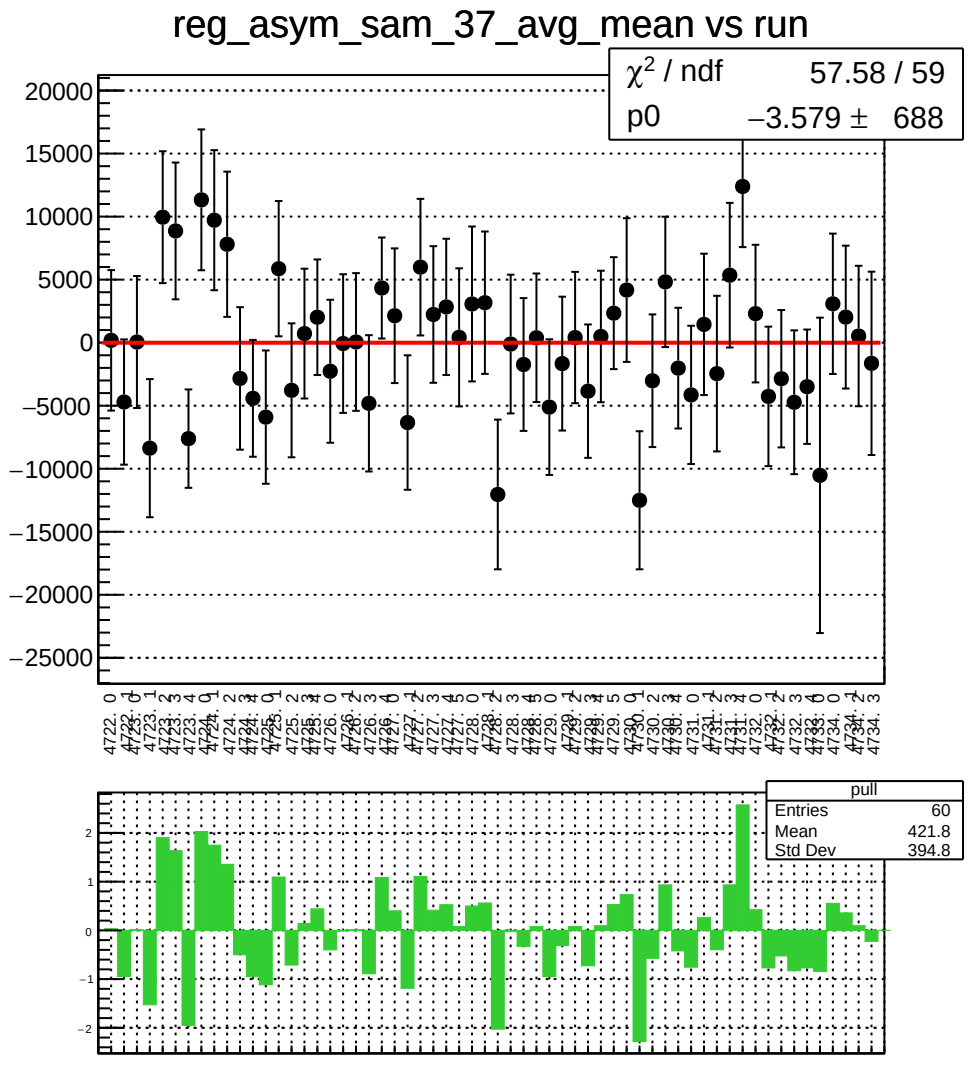

reg_asym_sam_26_avg_mean vs run
χ² / ndf 63.66 / 59
p0 571.7 ± 1478
pull
Entries 60
Mean −368
Std Dev 407.1
pull1D
Entries 60
Mean −0.008002
Std Dev 1.03

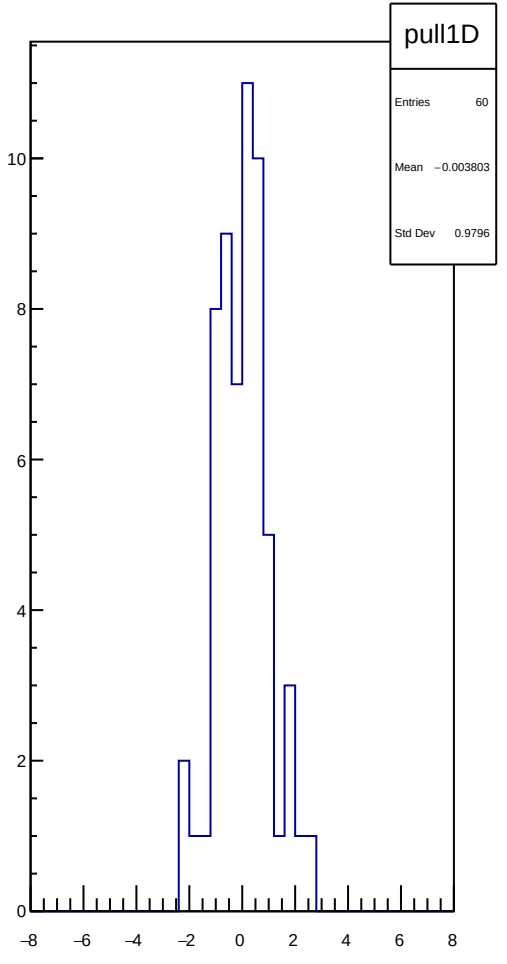

reg_asym_sam_26_avg_rms vs run
χ² / ndf 177.4 / 59
p0 1117 ± 1.045
1160
1150
1140
1130
1120
1110
1100
1090
1080
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

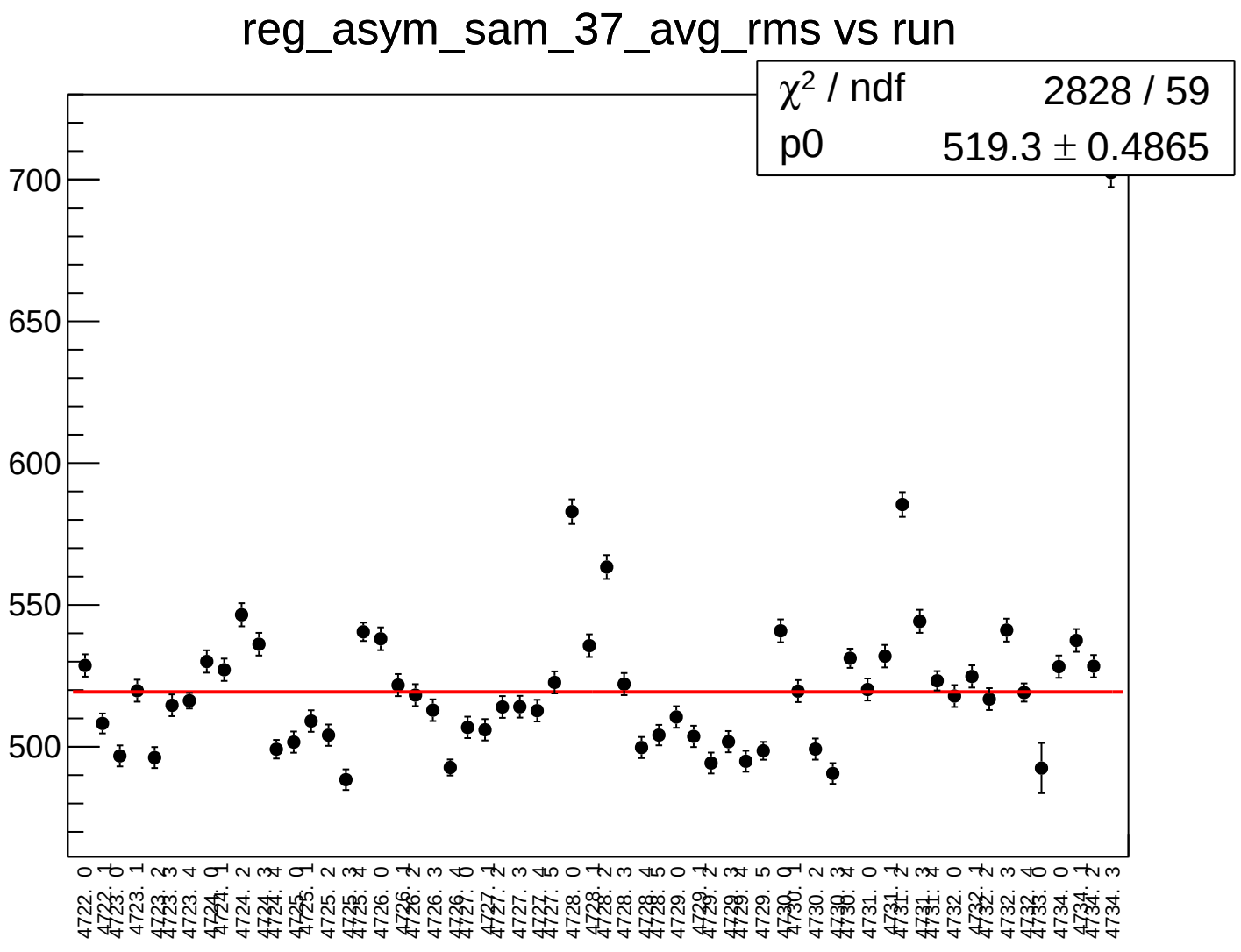

asym_sam_26_avg_correction_mean vs run
χ² / ndf 59.47 / 59
p0 −600.4 ± 2186
pull
Entries 60
Mean 1005
Std Dev 980.3

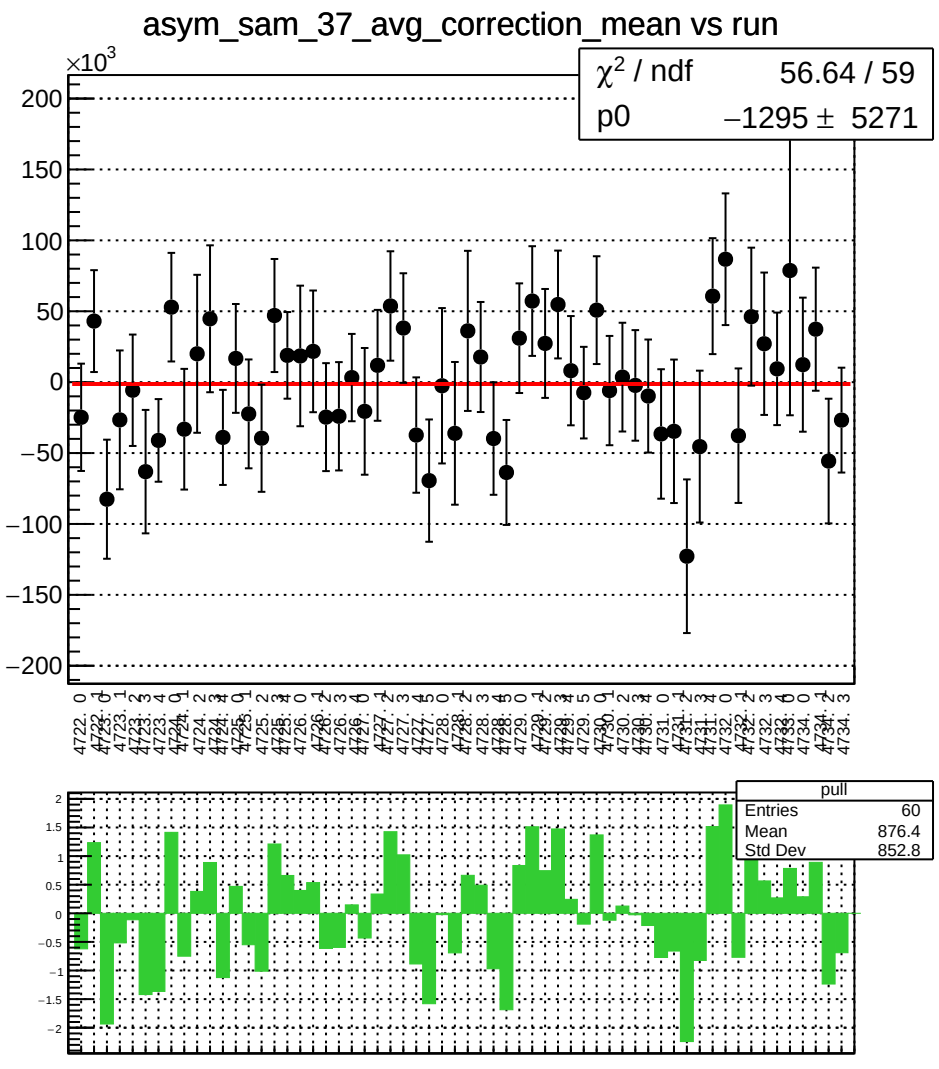

pull1D
Entries 60
Mean 0.002453
Std Dev 0.9956

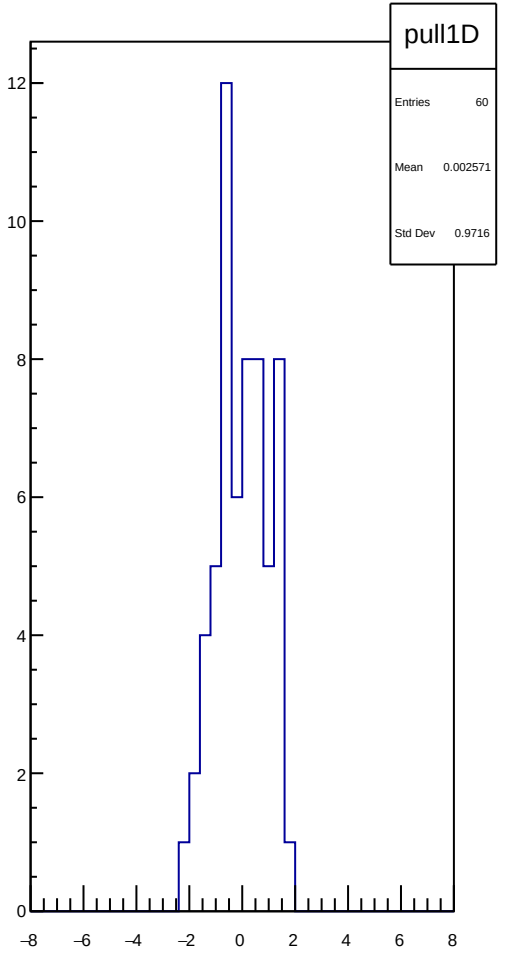

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.591e+04 / 59
p0 1641 ± 1.546
2200
2000
1800
1600
1400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4723. 5
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4726. 5
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

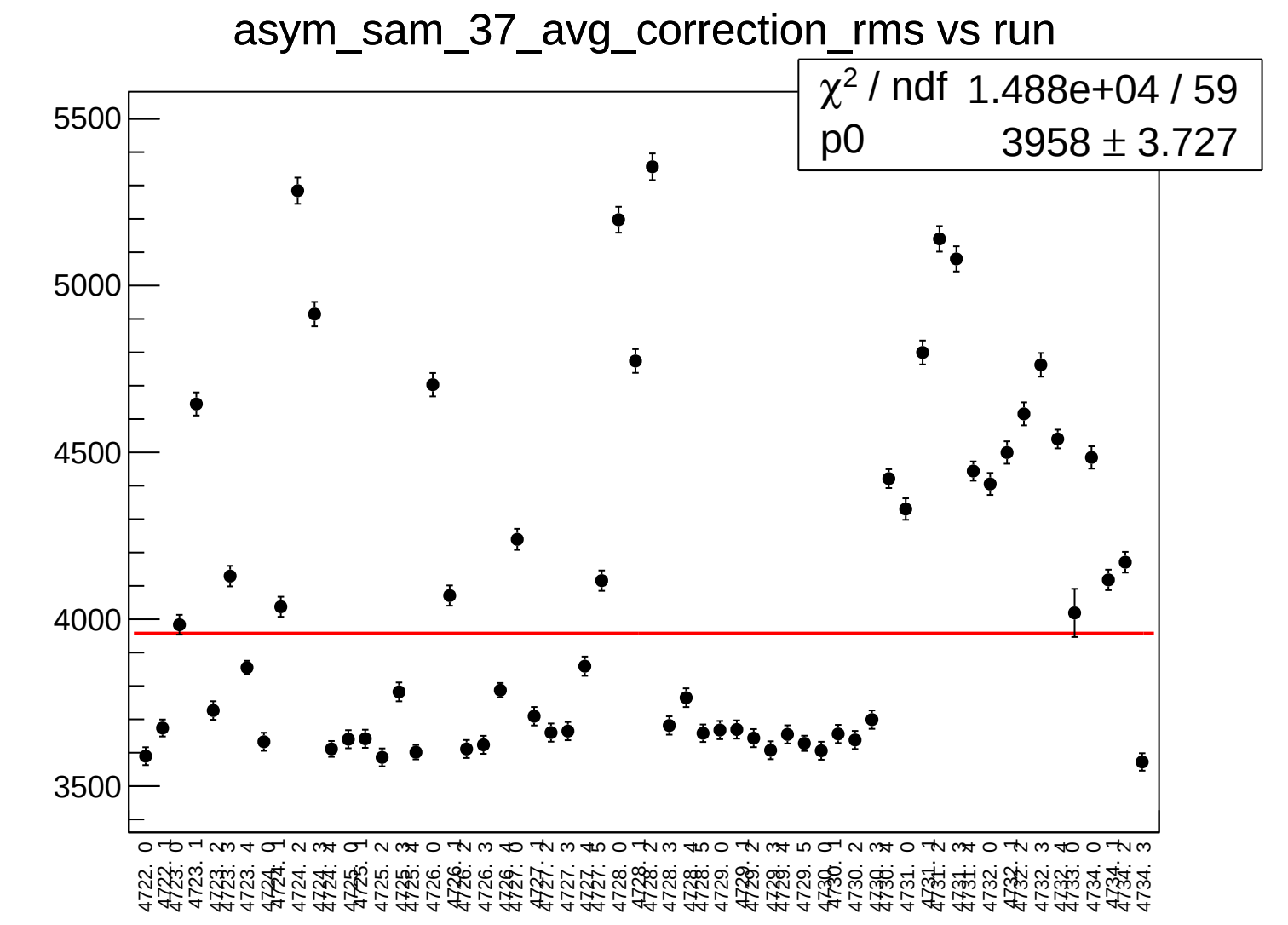

reg_asym_sam_37_avg_mean vs run
χ² / ndf 57.58 / 59
p0 −3.579 ± 688
pull
Entries 60
Mean 421.8
Std Dev 394.8

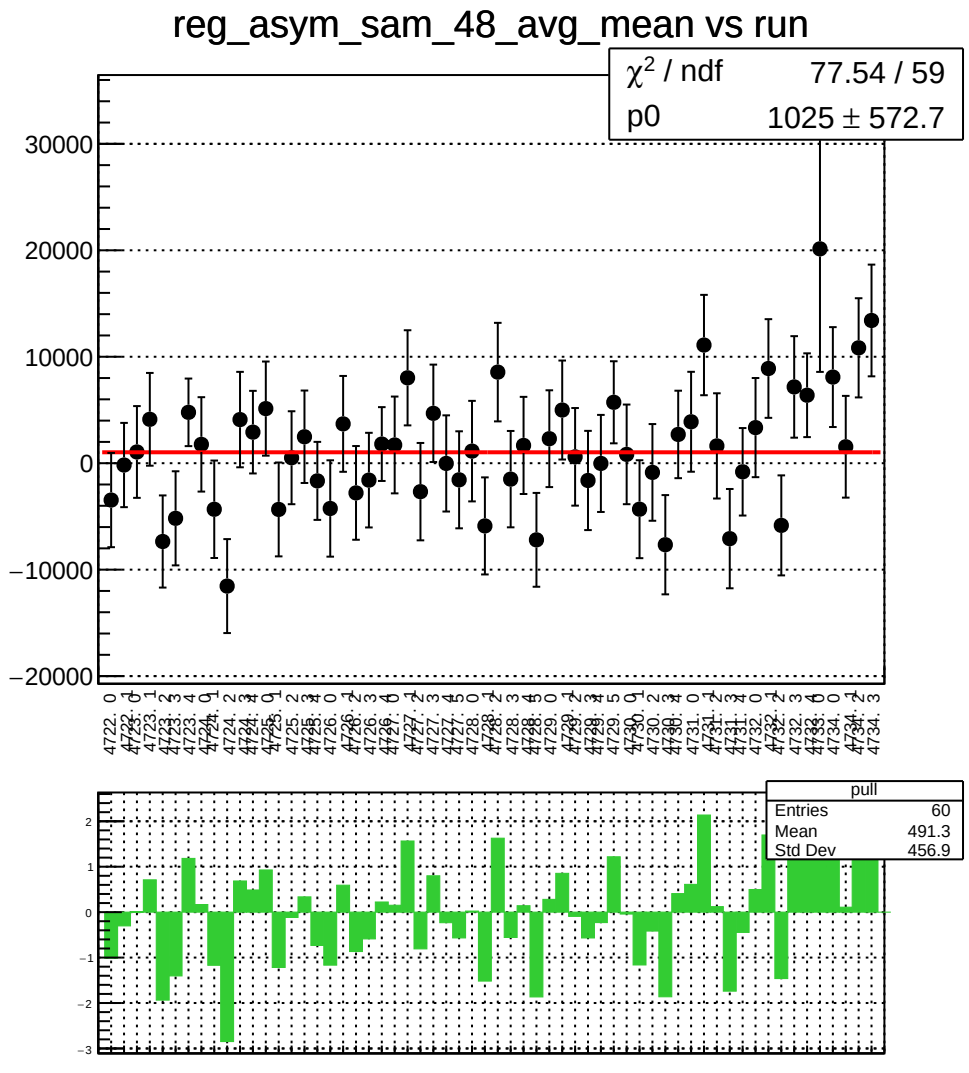

pull1D
Entries 60
Mean −0.003803
Std Dev 0.9796

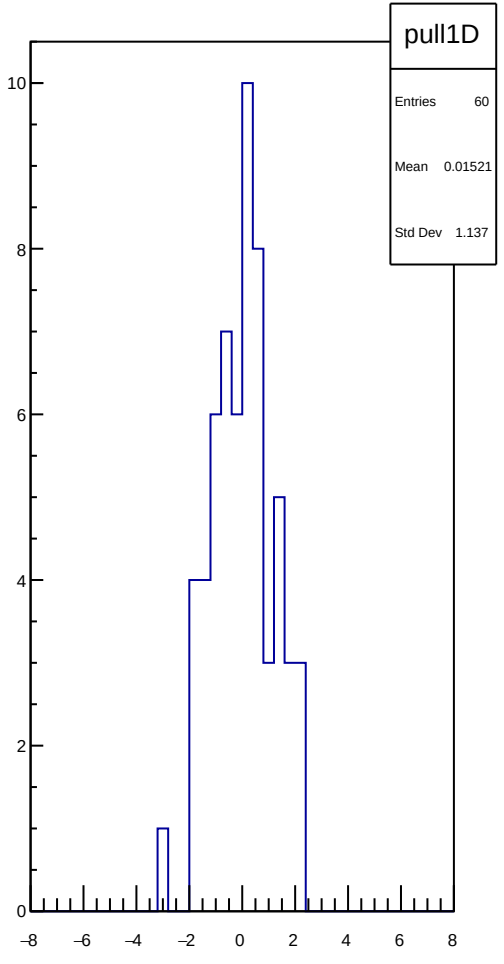

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2828 / 59
p0 519.3 ± 0.4865
700
650
600
550
500

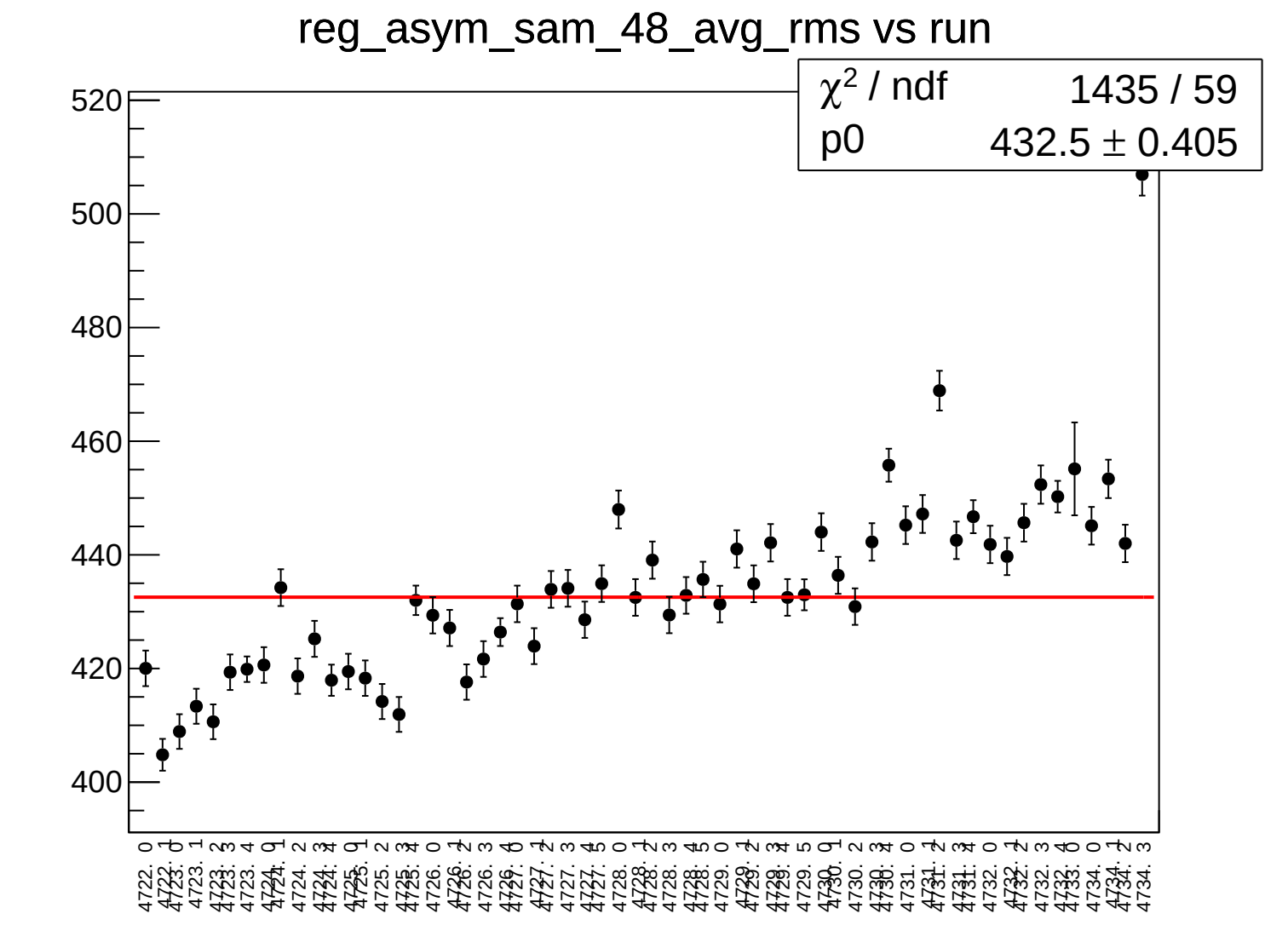

asym_sam_37_avg_correction_mean vs run
×10^3
χ^2 / ndf 56.64 / 59
p0 −1295 ± 5271
pull
Entries 60
Mean 876.4
Std Dev 852.8

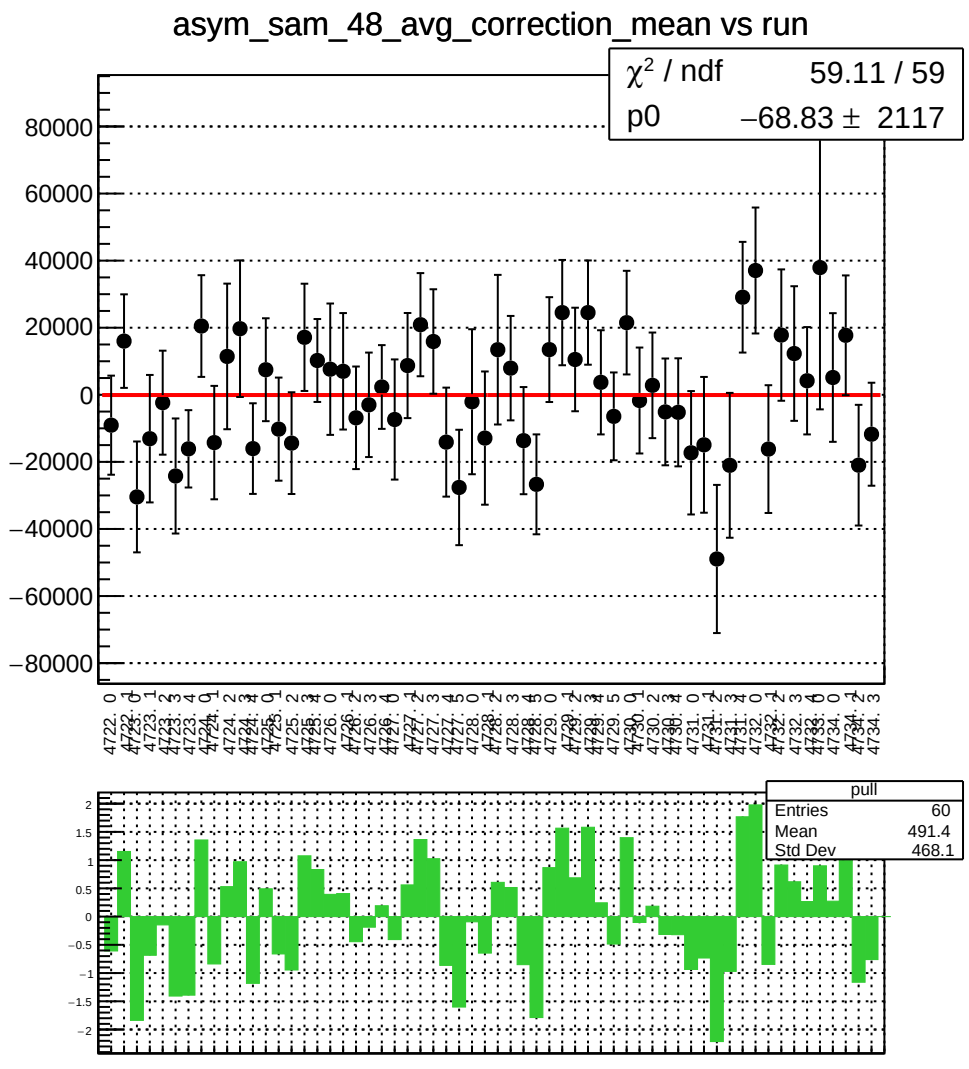

pull1D
Entries 60
Mean 0.002571
Std Dev 0.9716

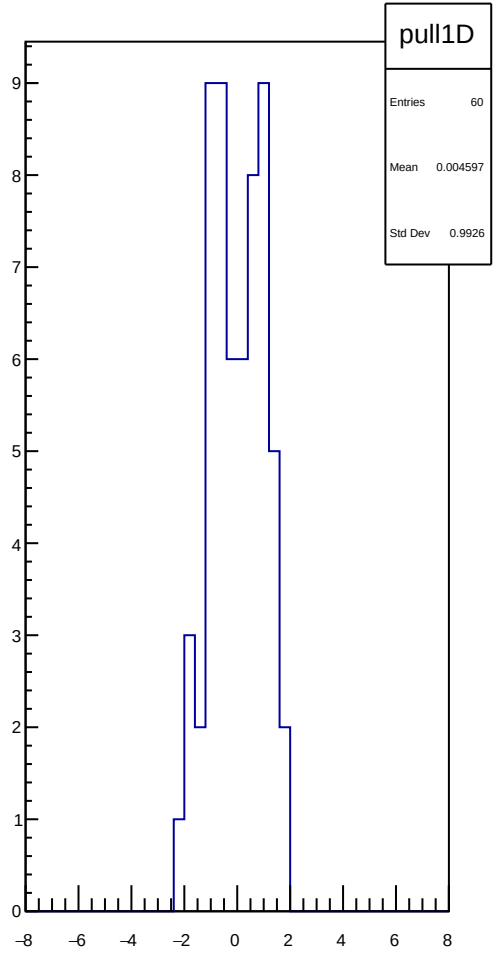

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.488e+04 / 59
p0 3958 ± 3.727
5500
5000
4500
4000
3500
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

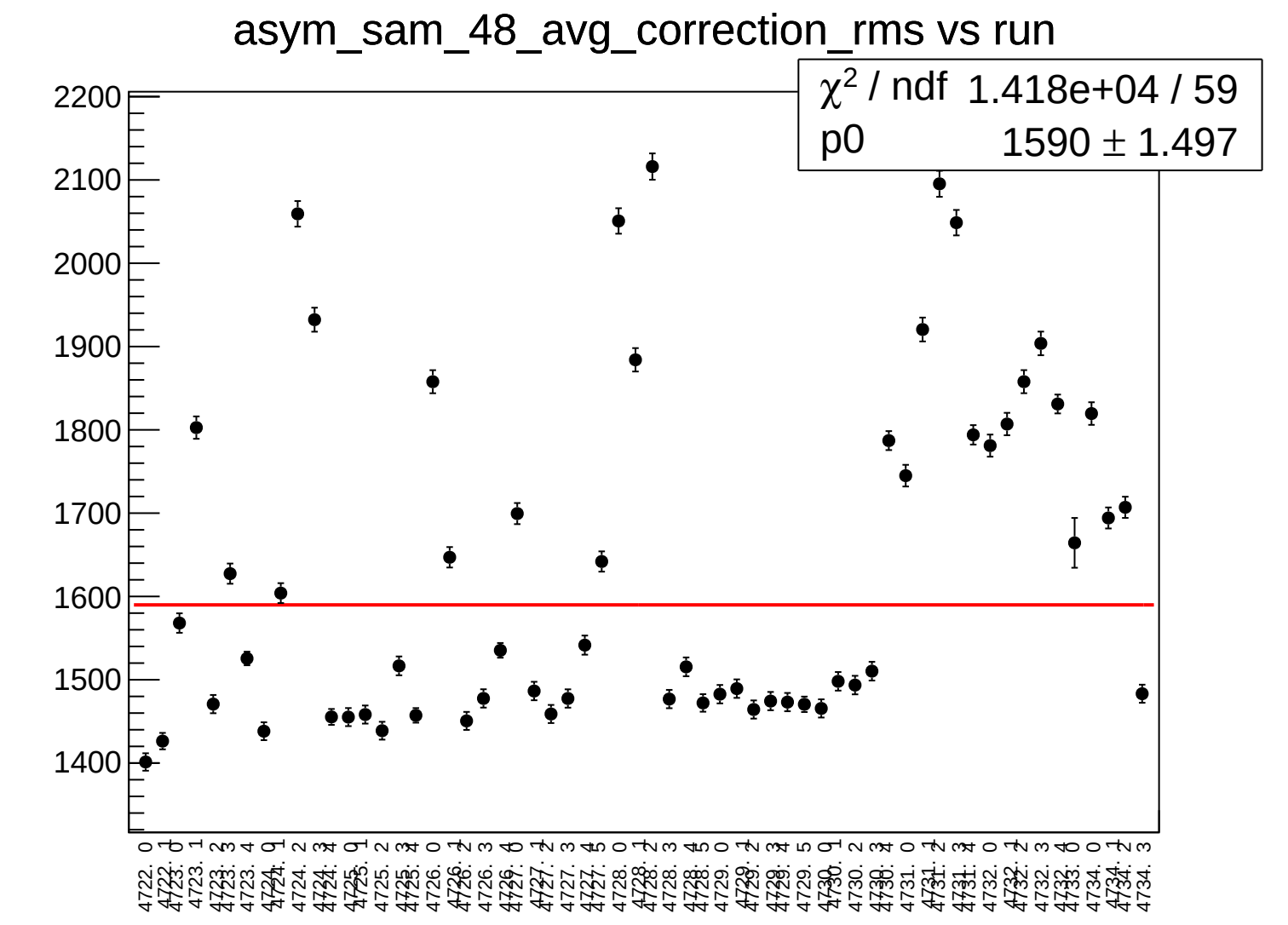

reg_asym_sam_48_avg_mean vs run
χ² / ndf 77.54 / 59
p0 1025 ± 572.7
pull
Entries 60
Mean 491.3
Std Dev 456.9

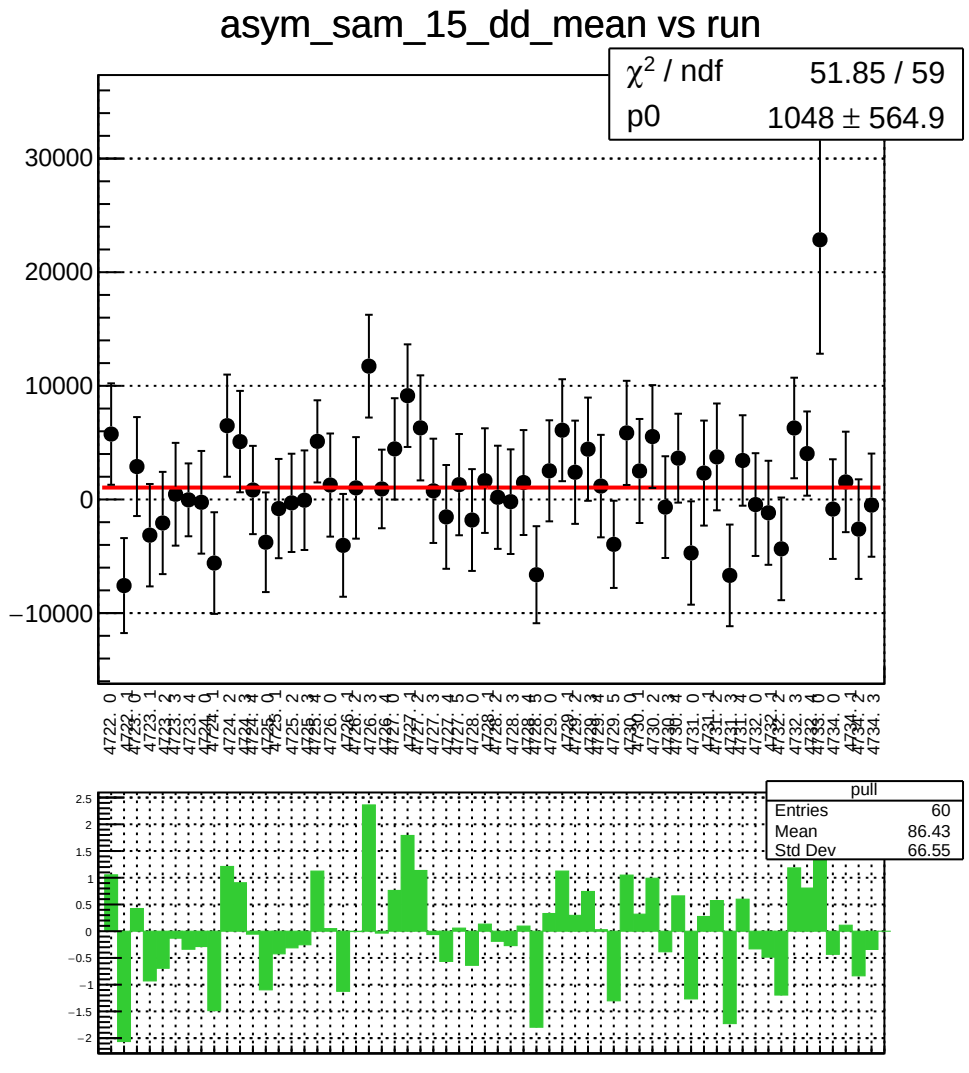

pull1D
Entries 60
Mean 0.01521
Std Dev 1.137

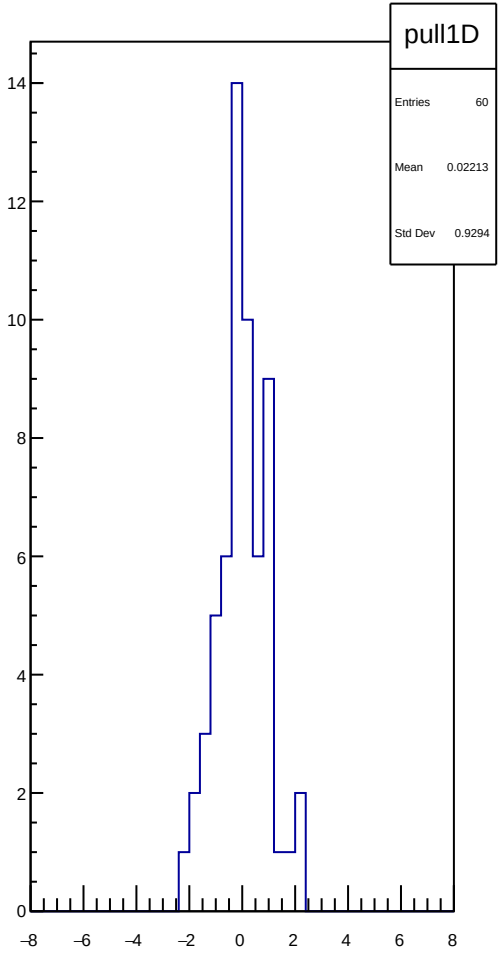

reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 1435 / 59
p0 432.5 ± 0.405
520
500
480
460
440
420
400

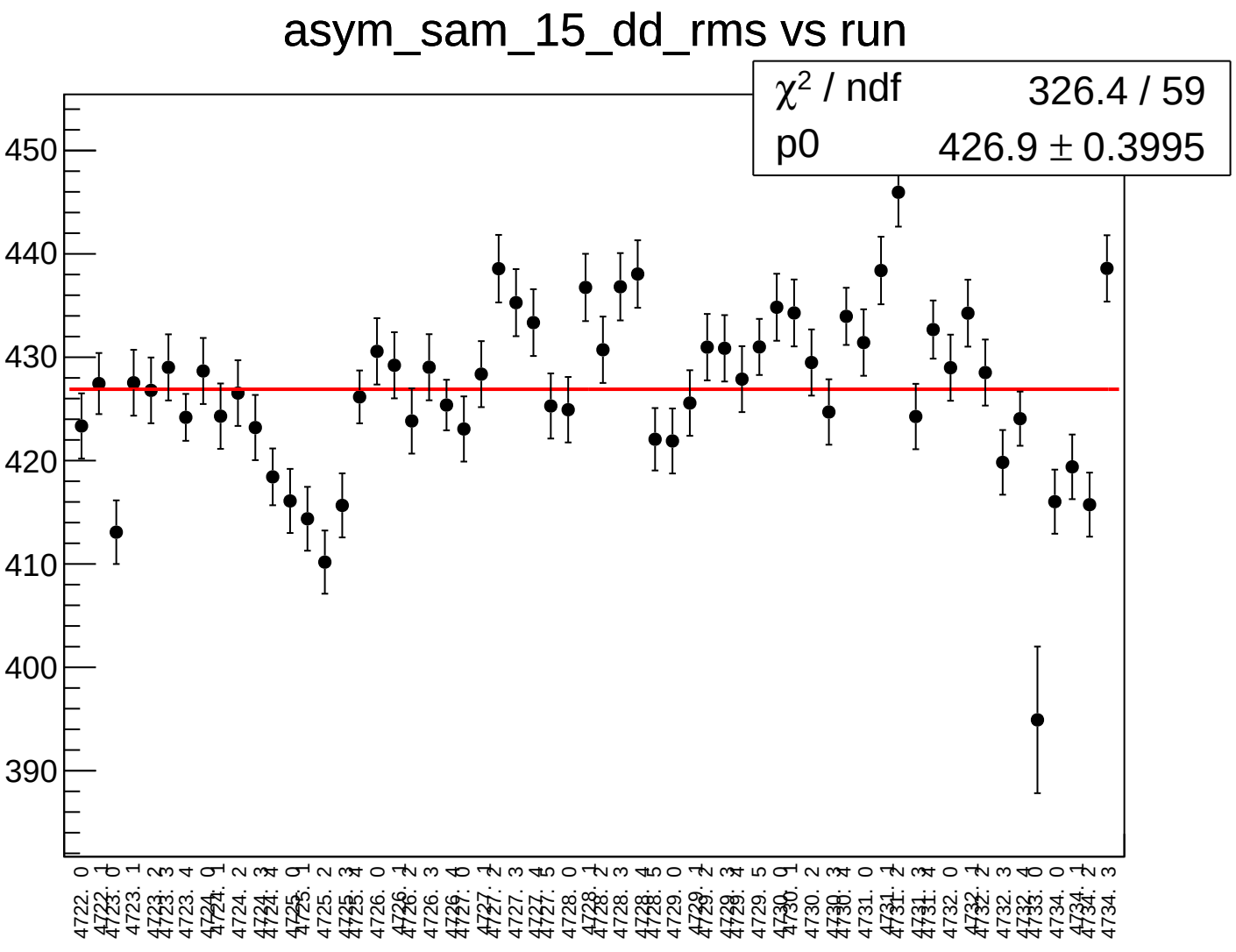

asym_sam_48_avg_correction_mean vs run
χ² / ndf 59.11 / 59
p0 −68.83 ± 2117
pull
Entries 60
Mean 491.4
Std Dev 468.1

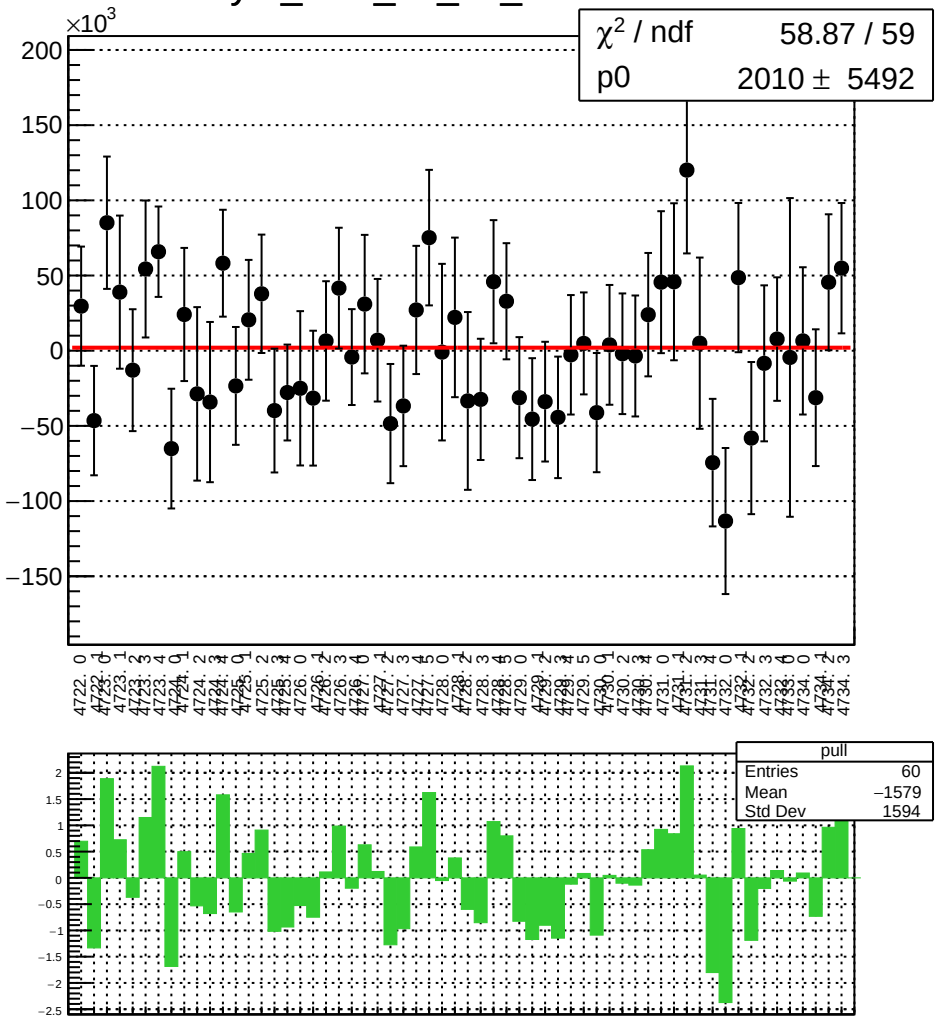

pull1D
Entries 60
Mean 0.004597
Std Dev 0.9926

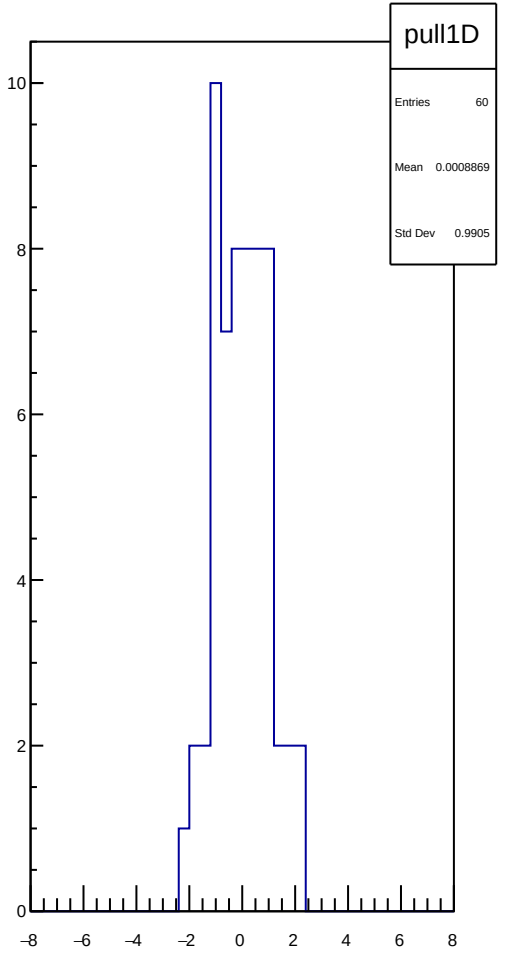

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.418e+04 / 59
p0 1590 ± 1.497
2200
2100
2000
1900
1800
1700
1600
1500
1400
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

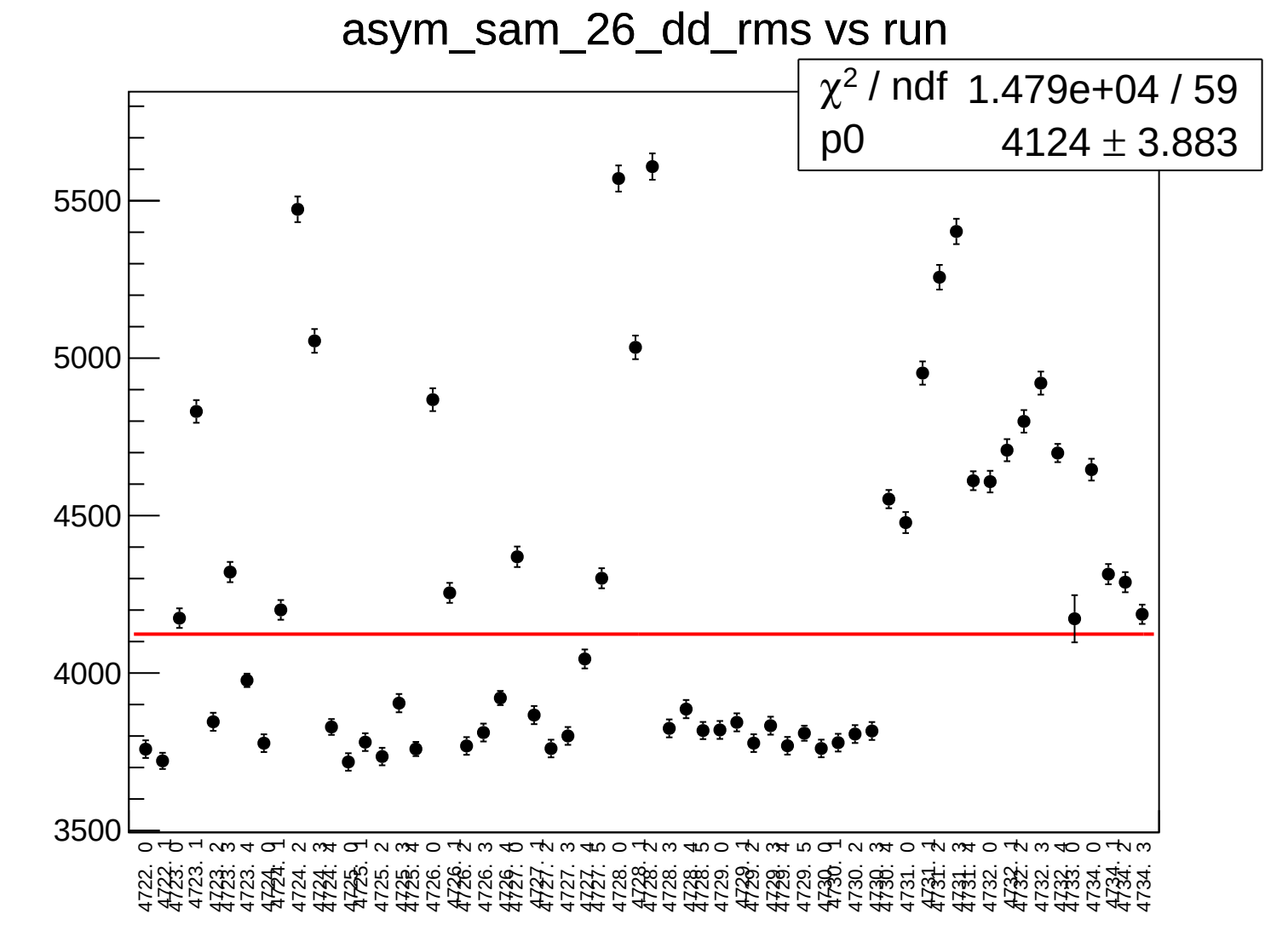

asym_sam_15_dd_mean vs run
χ² / ndf 51.85 / 59
p0 1048 ± 564.9
30000
20000
10000
0
−10000
pull
Entries 60
Mean 86.43
Std Dev 66.55
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

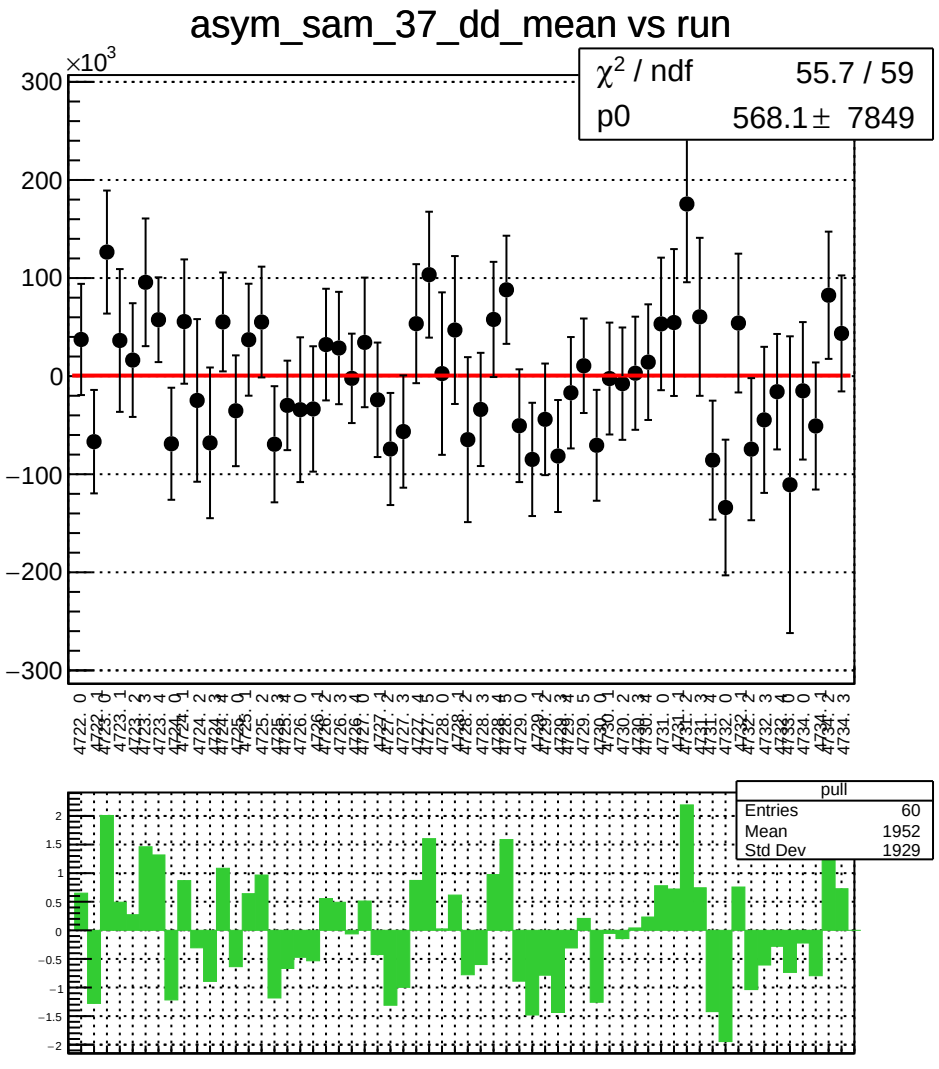

pull1D
Entries 60
Mean 0.02213
Std Dev 0.9294
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

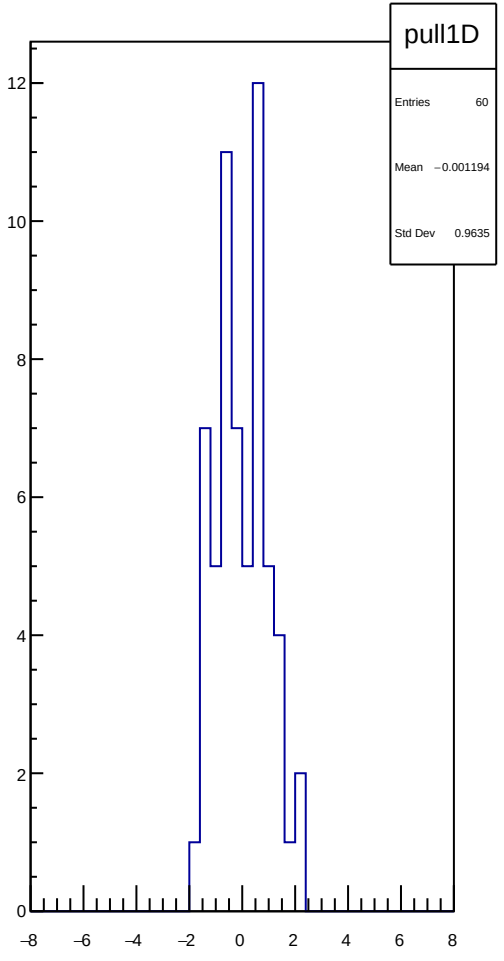

asym_sam_15_dd_rms vs run
χ² / ndf 326.4 / 59
p0 426.9 ± 0.3995
450
440
430
420
410
400
390

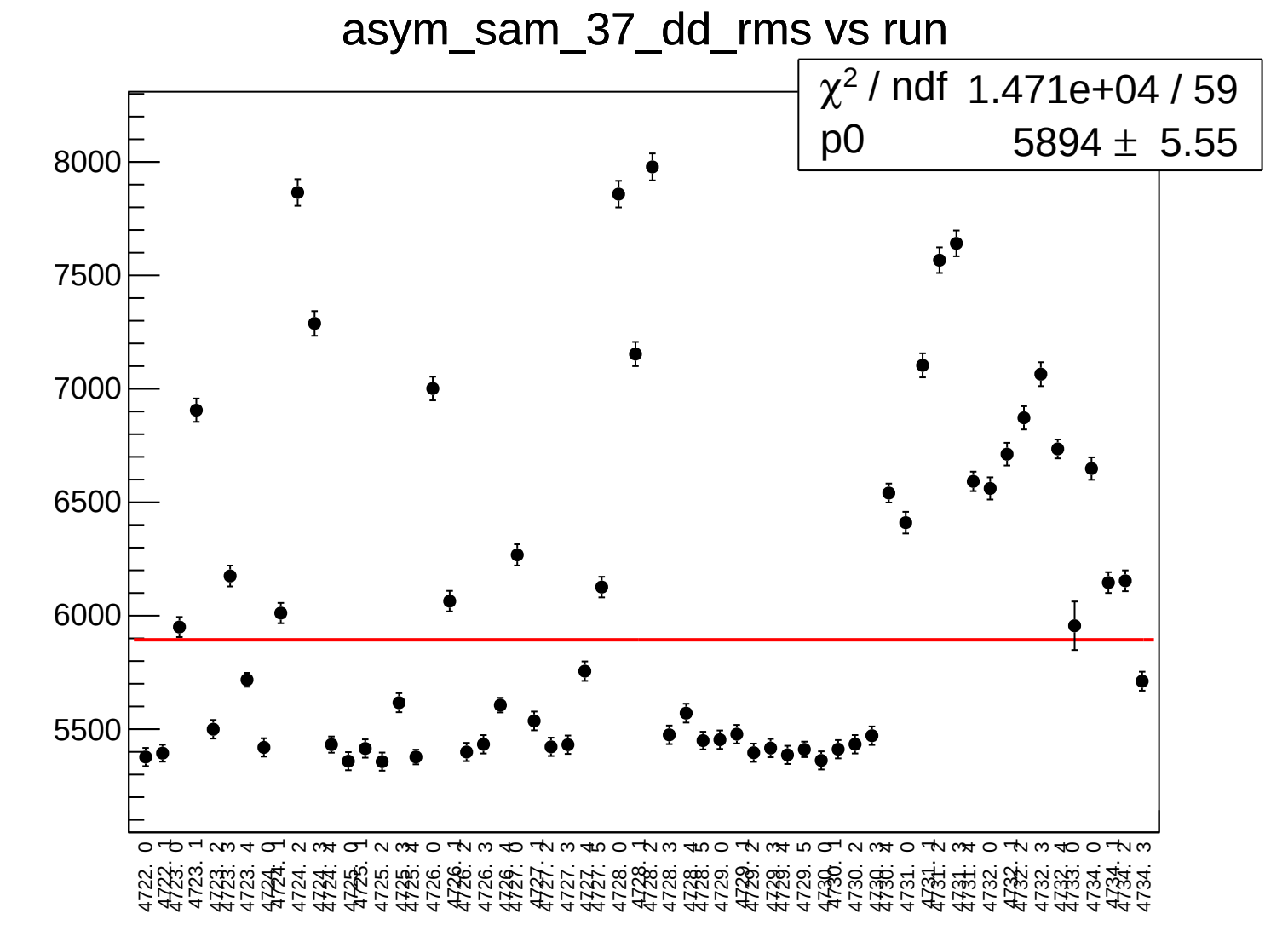

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 58.87 / 59
p0 2010 ± 5492
pull
Entries 60
Mean −1579
Std Dev 1594

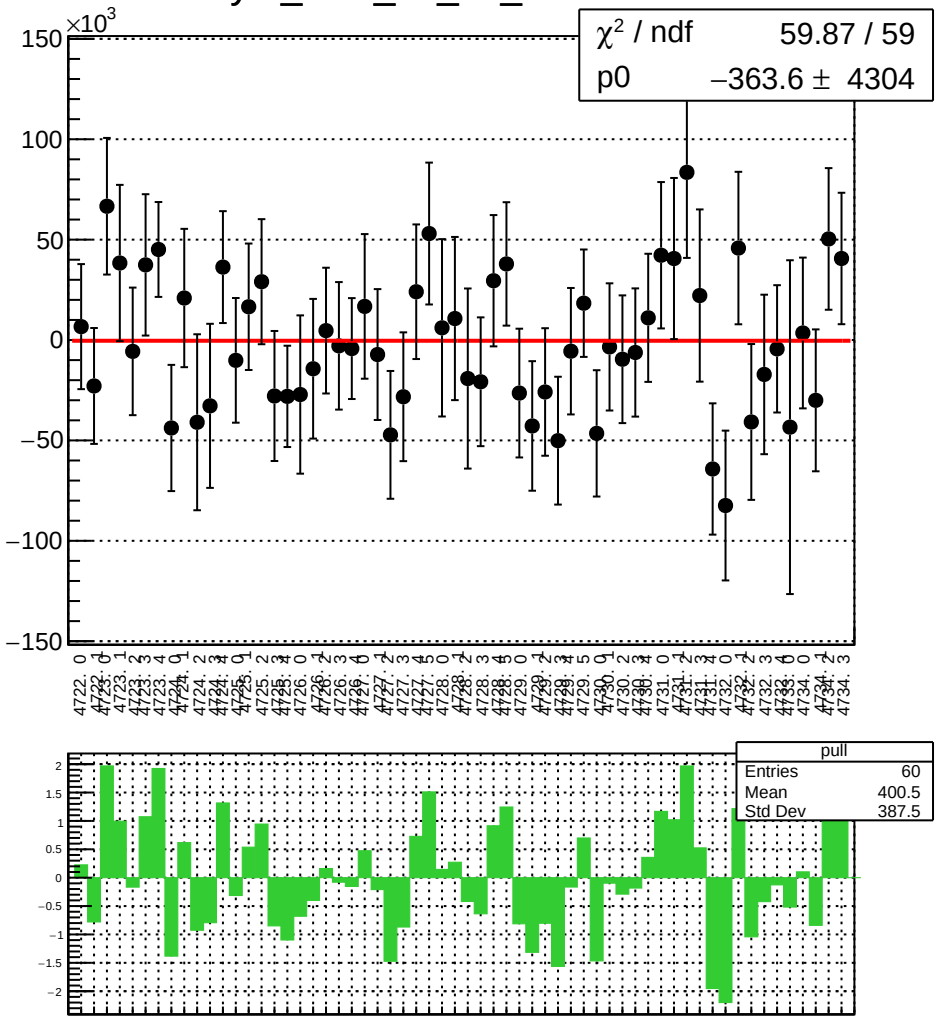

pull1D
Entries 60
Mean 0.0008869
Std Dev 0.9905

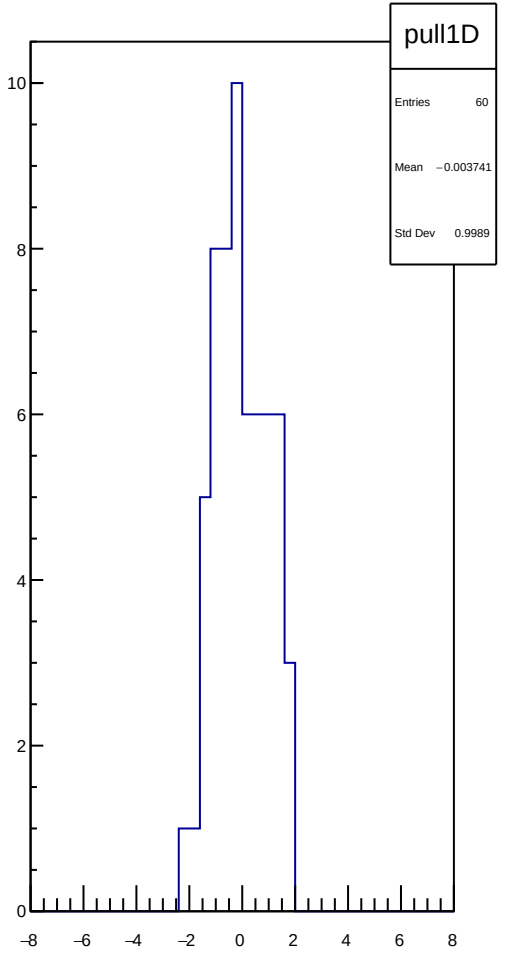

asym_sam_26_dd_rms vs run
χ² / ndf 1.479e+04 / 59
p0 4124 ± 3.883
5500
5000
4500
4000
3500

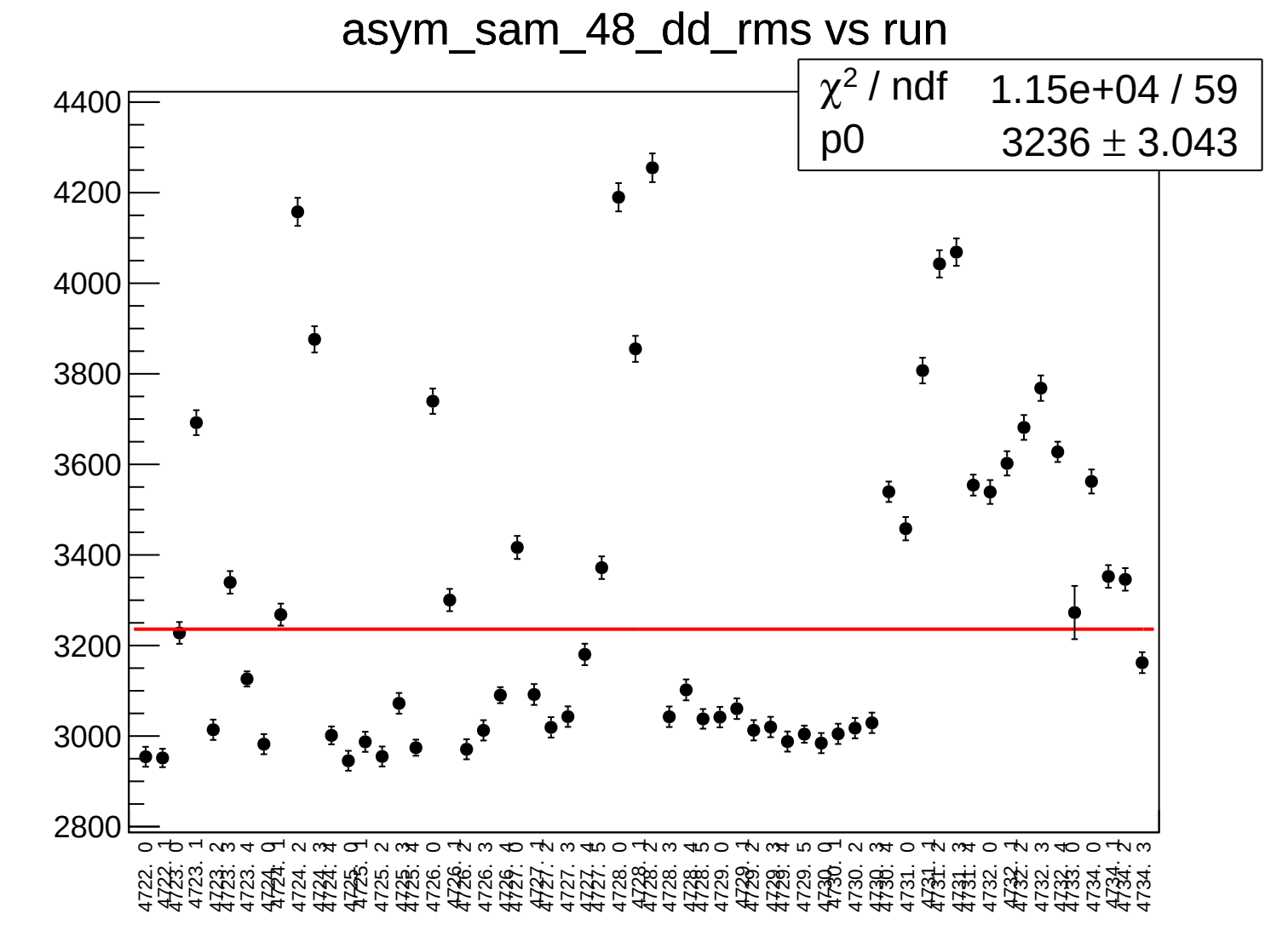

asym_sam_37_dd_mean vs run
χ² / ndf 55.7 / 59
p0 568.1 ± 7849
×10³
pull
Entries 60
Mean 1952
Std Dev 1929

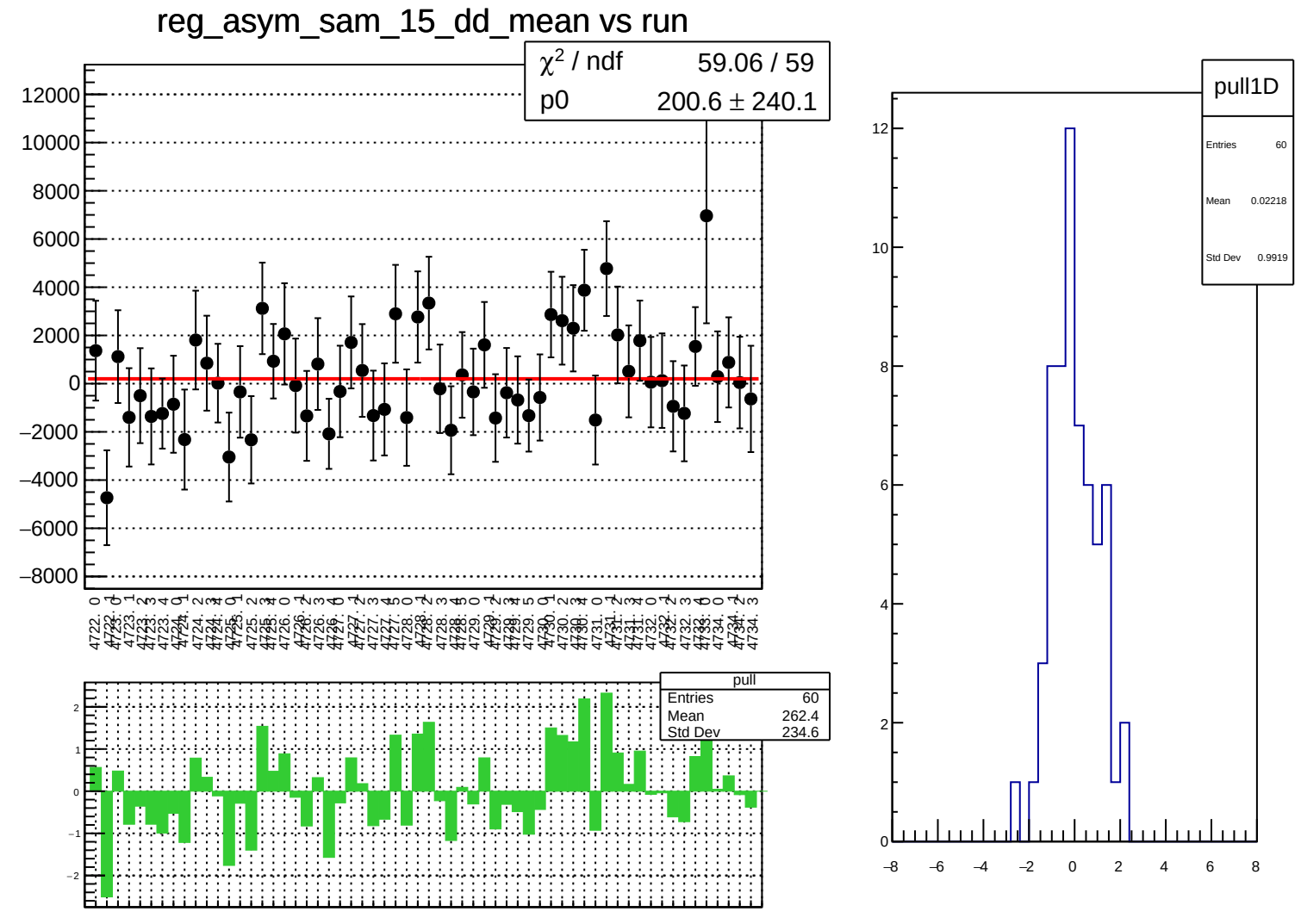

pull1D
Entries 60
Mean −0.001194
Std Dev 0.9635

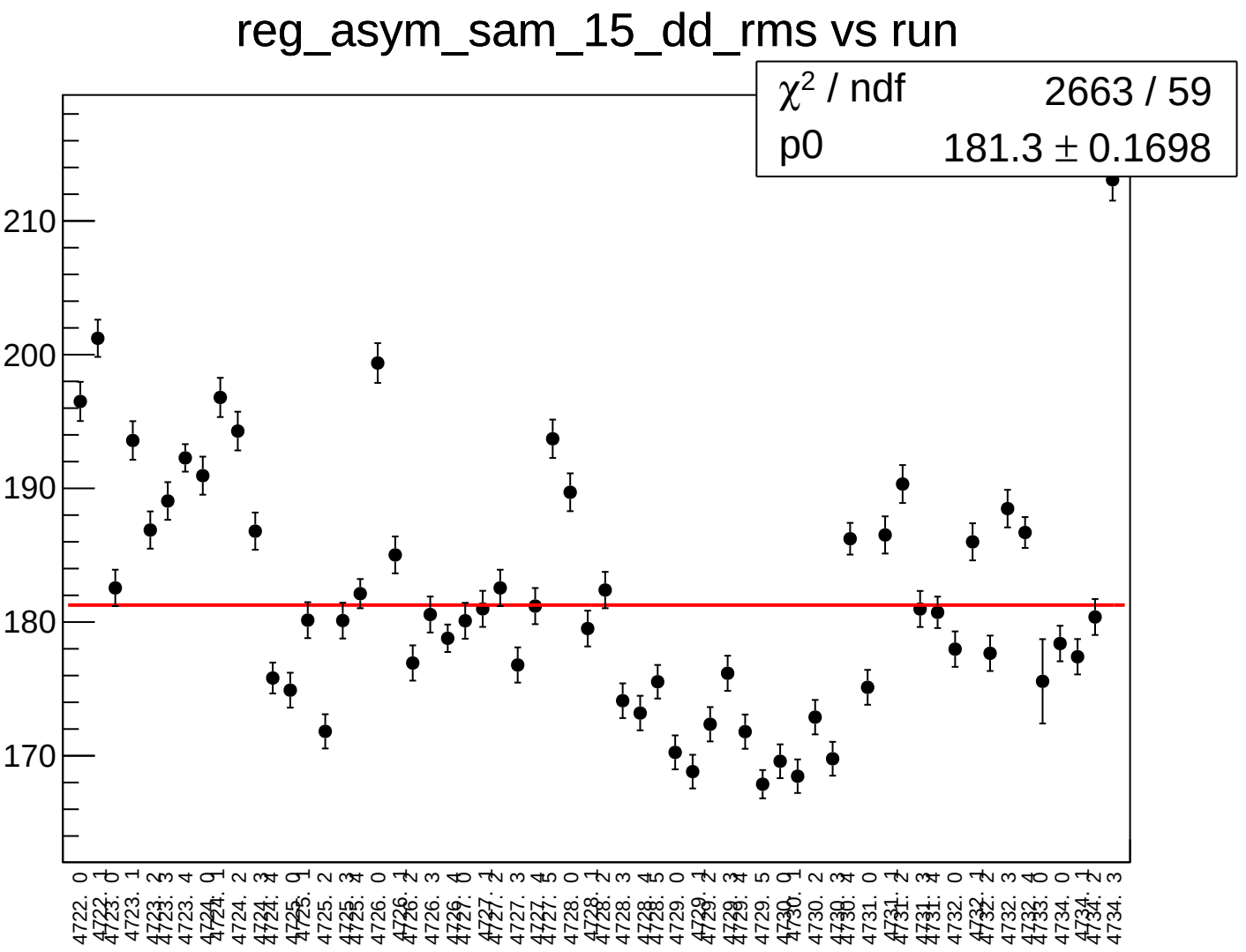

asym_sam_37_dd_rms vs run
χ² / ndf 1.471e+04 / 59
p0 5894 ± 5.55
8000
7500
7000
6500
6000
5500

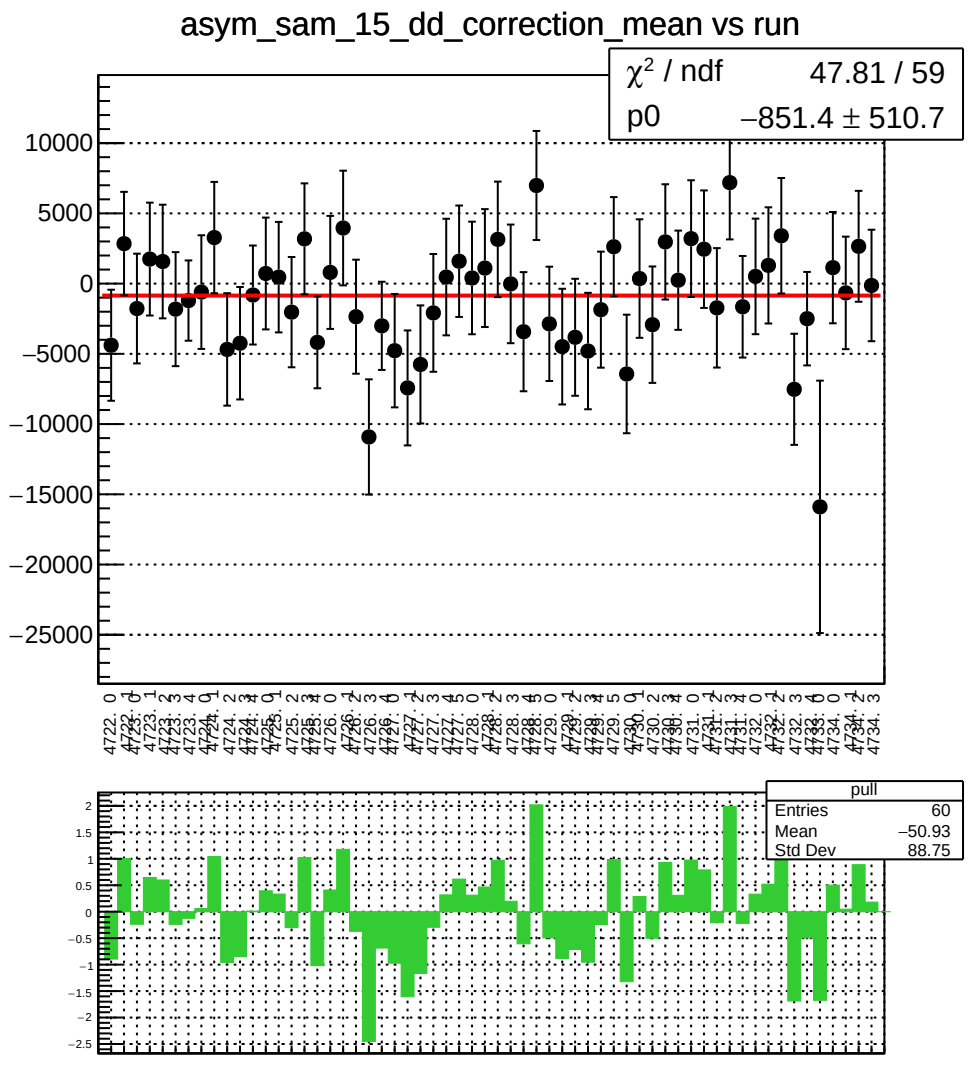

asym_sam_48_dd_mean vs run
χ² / ndf 59.87 / 59
p0 −363.6 ± 4304
×10³
pull
Entries 60
Mean 400.5
Std Dev 387.5

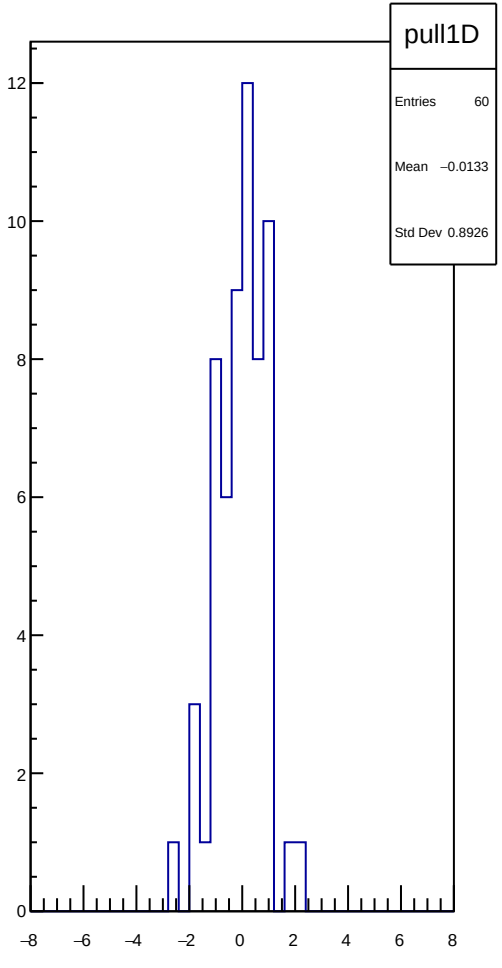

pull1D
Entries 60
Mean −0.003741
Std Dev 0.9989

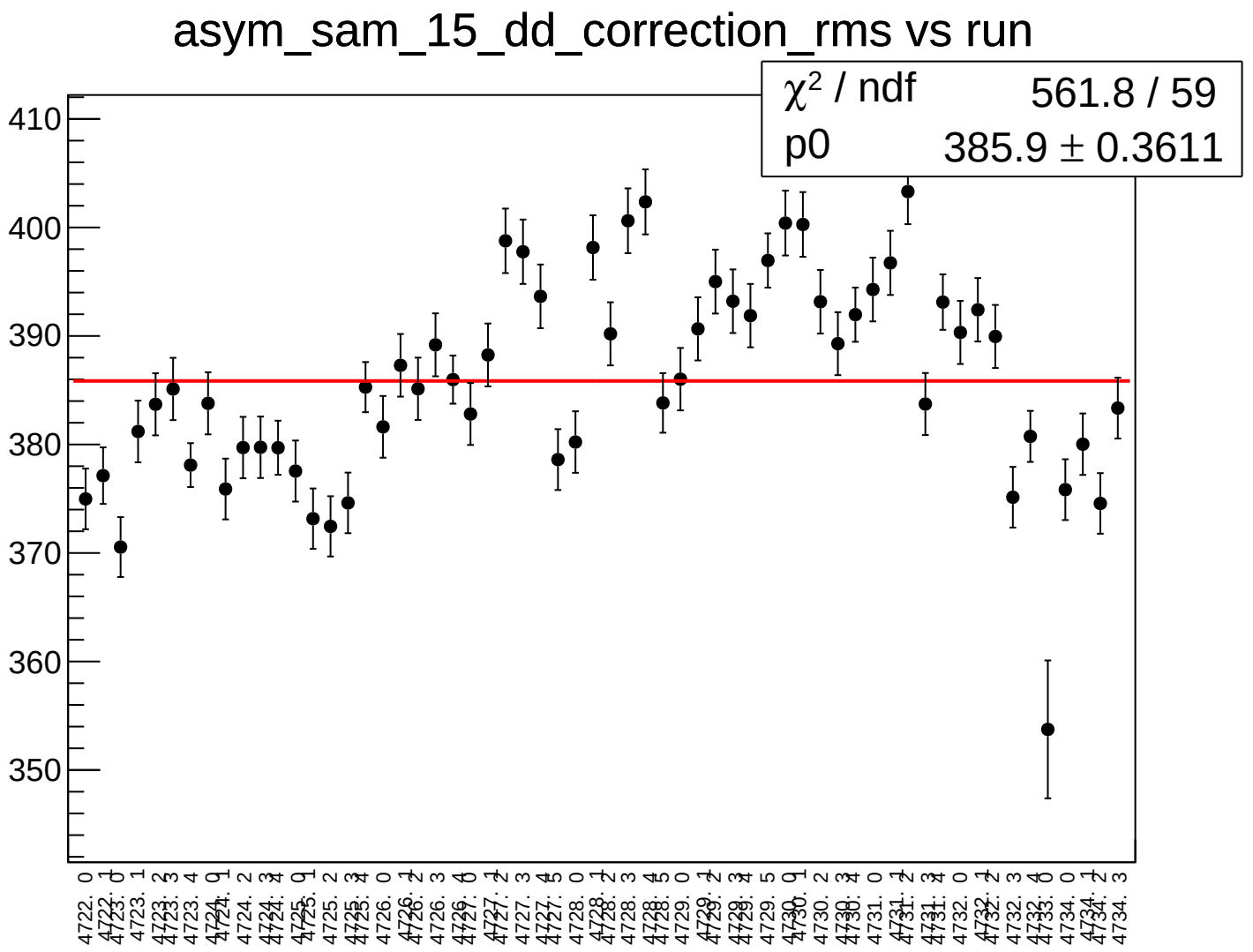

asym_sam_48_dd_rms vs run
χ² / ndf 1.15e+04 / 59
p0 3236 ± 3.043
4400
4200
4000
3800
3600
3400
3200
3000
2800
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

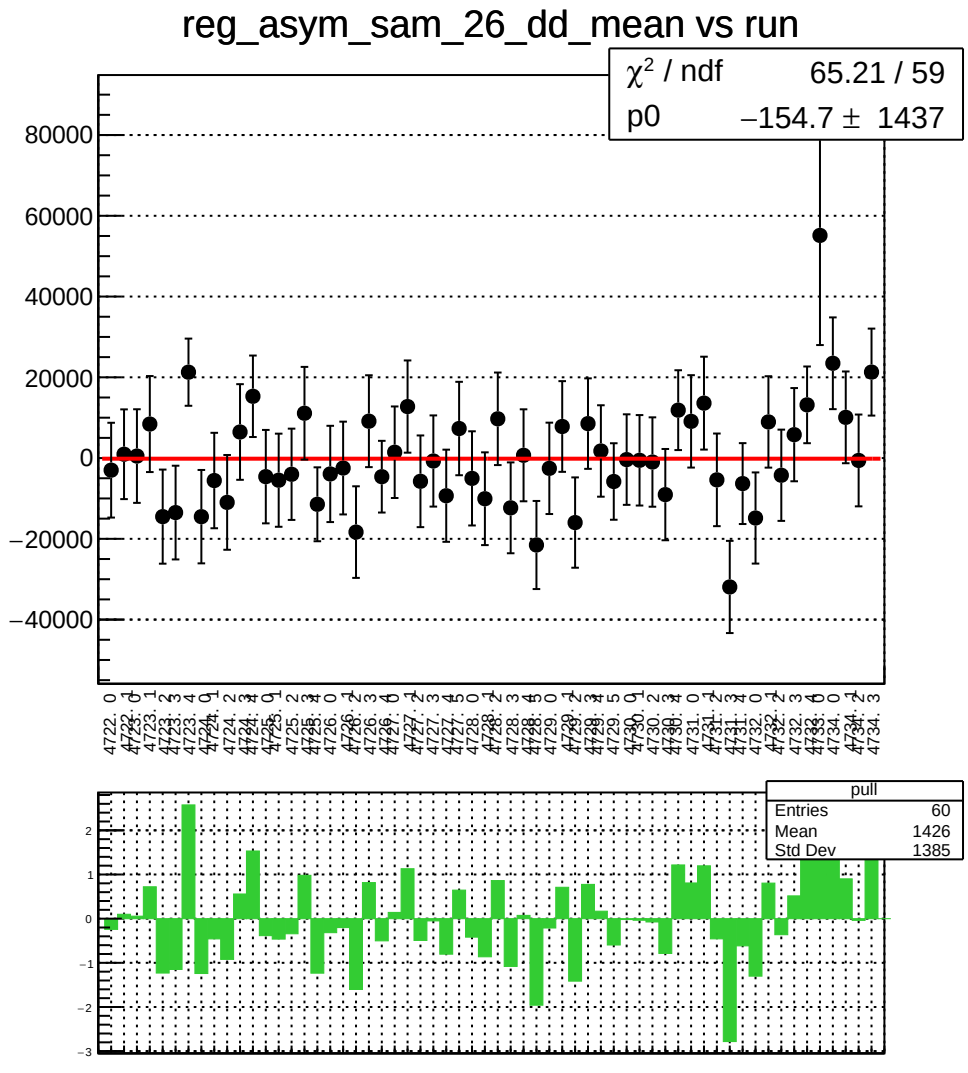

reg_asym_sam_15_dd_mean vs run
χ² / ndf 59.06 / 59
p0 200.6 ± 240.1
pull
Entries 60
Mean 262.4
Std Dev 234.6
pull1D
Entries 60
Mean 0.02218
Std Dev 0.9919

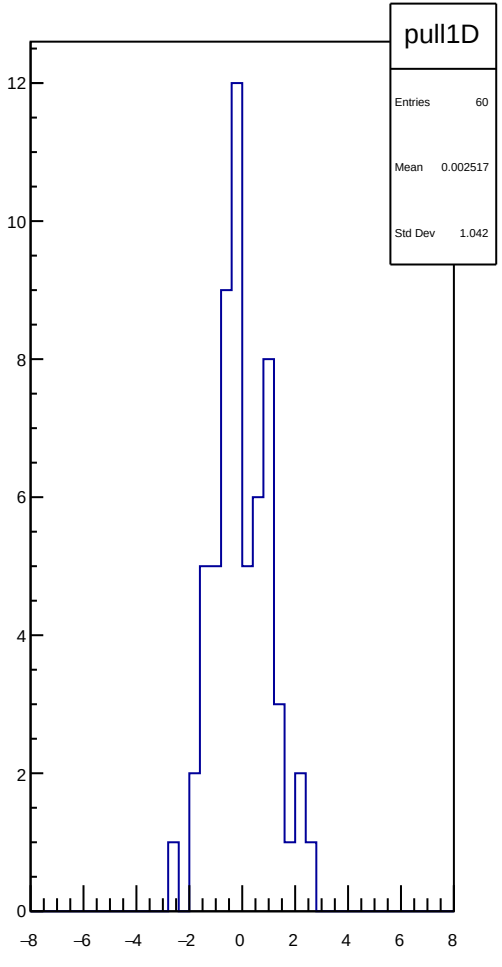

reg_asym_sam_15_dd_rms vs run
χ² / ndf 2663 / 59
p0 181.3 ± 0.1698
210
200
190
180
170

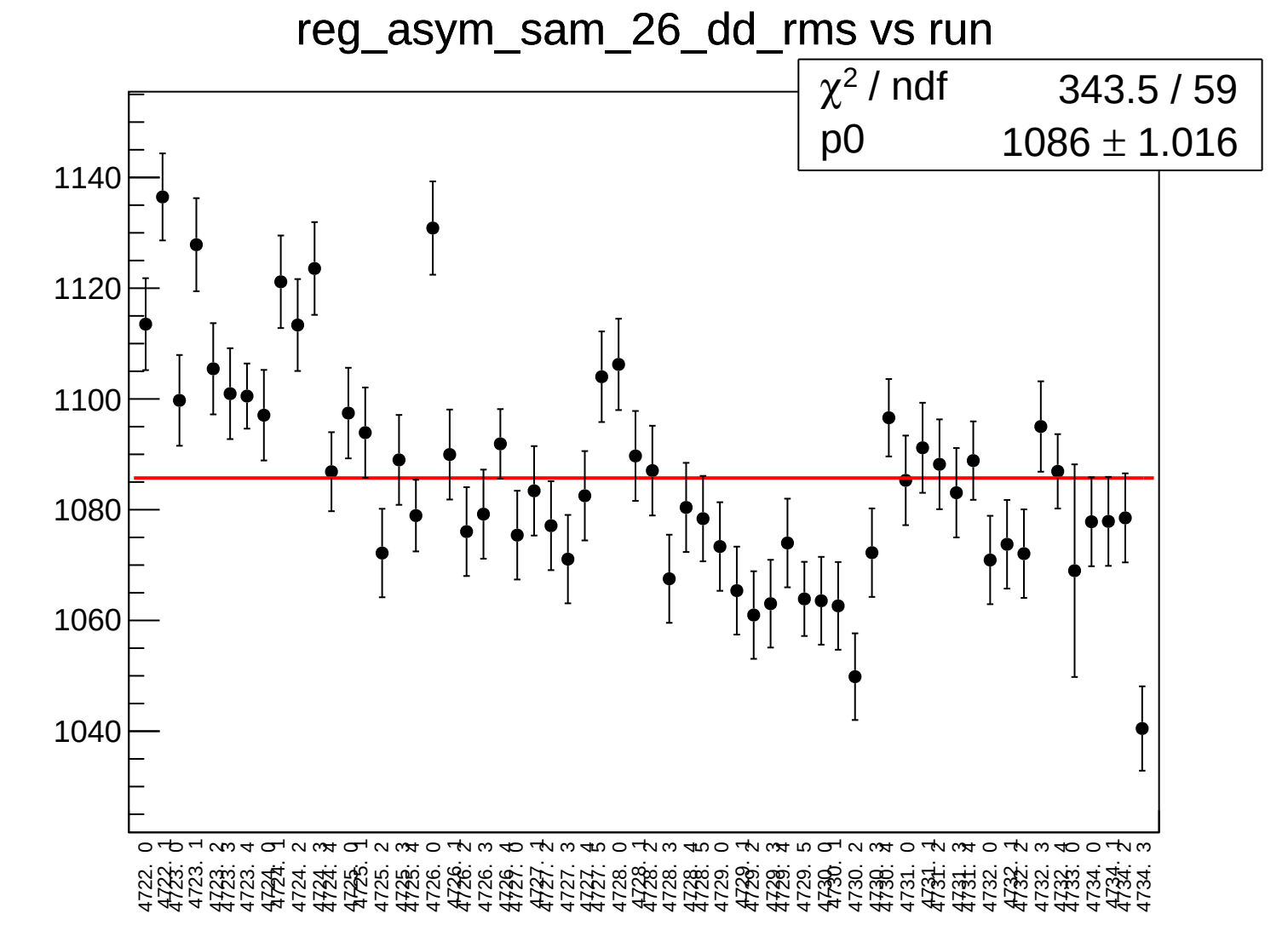

asym_sam_15_dd_correction_mean vs run
χ² / ndf 47.81 / 59
p0 −851.4 ± 510.7
pull
Entries 60
Mean −50.93
Std Dev 88.75

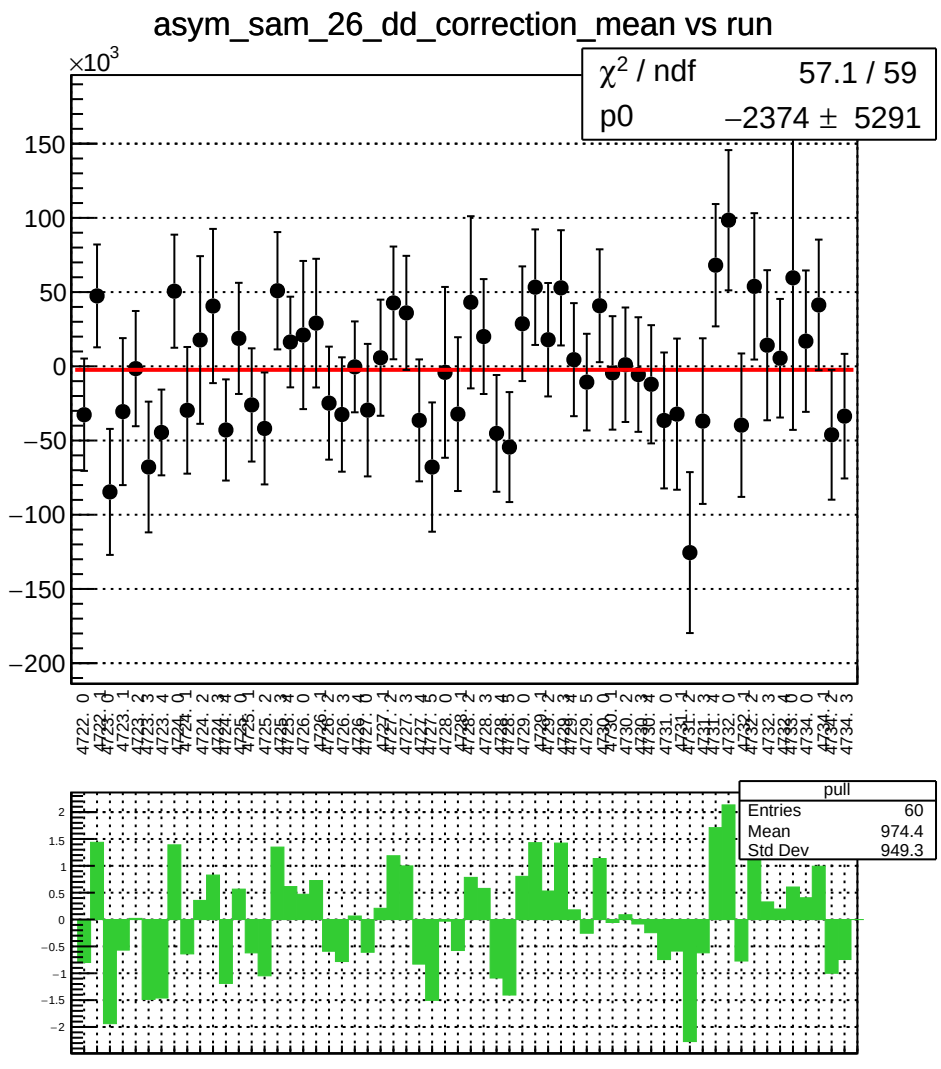

pull1D
Entries 60
Mean −0.0133
Std Dev 0.8926

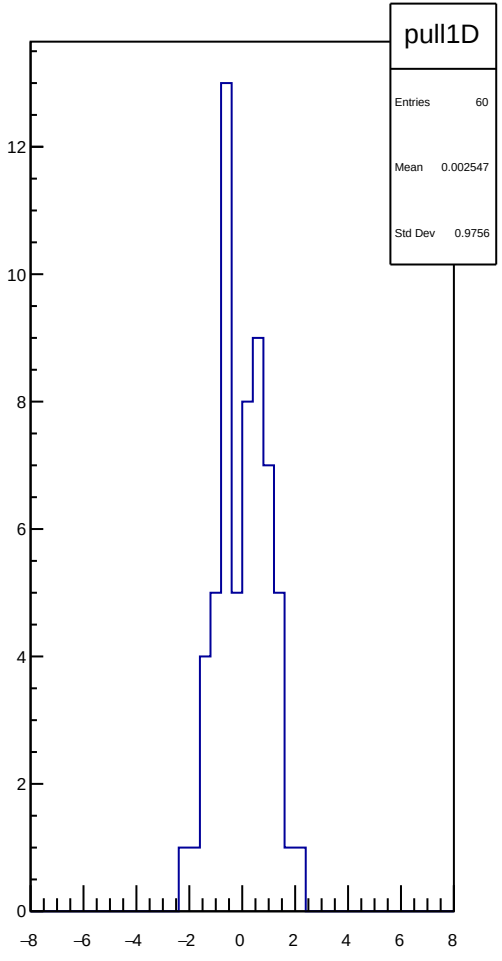

asym_sam_15_dd_correction_rms vs run
χ² / ndf 561.8 / 59
p0 385.9 ± 0.3611
410
400
390
380
370
360
350
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

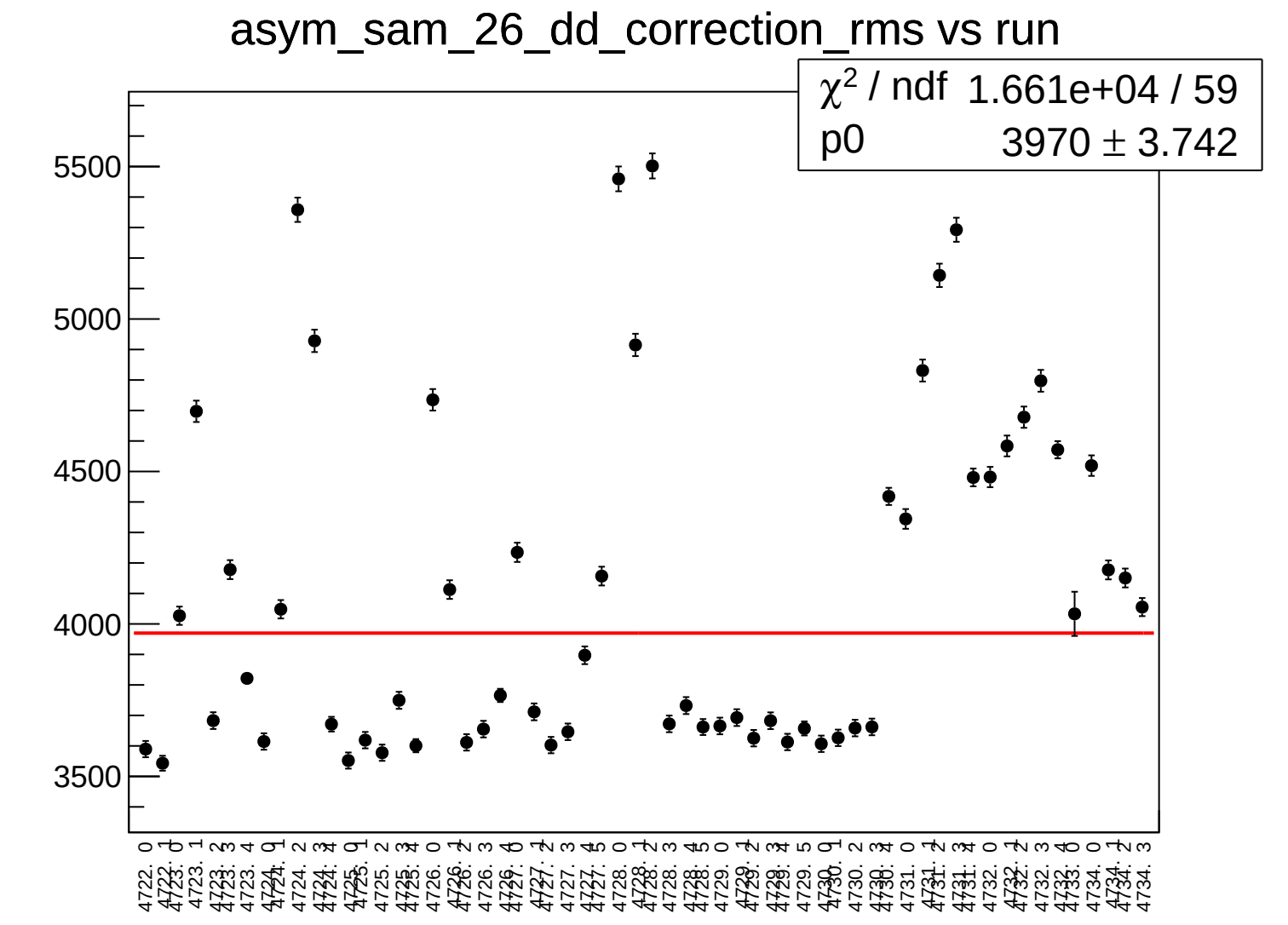

reg_asym_sam_26_dd_mean vs run
χ² / ndf 65.21 / 59
p0 −154.7 ± 1437
pull
Entries 60
Mean 1426
Std Dev 1385

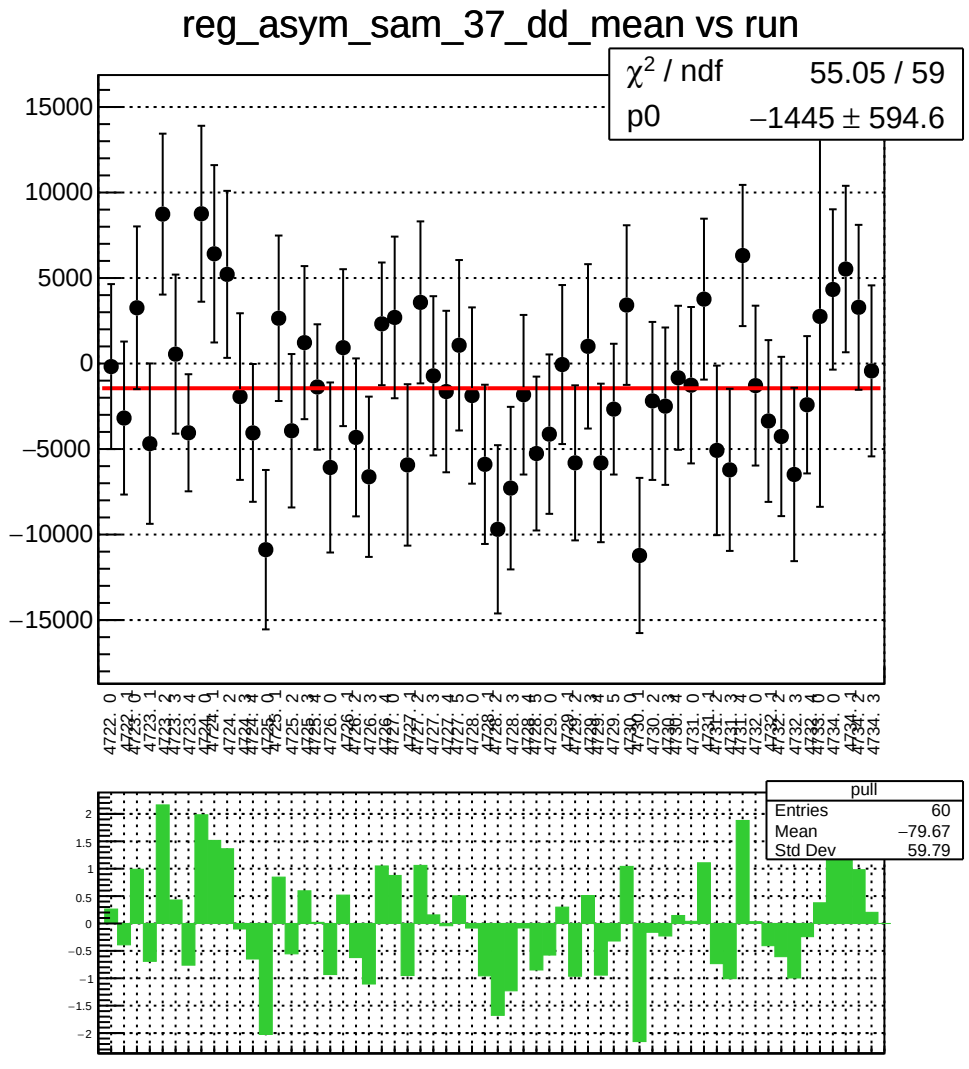

pull1D
Entries 60
Mean 0.002517
Std Dev 1.042

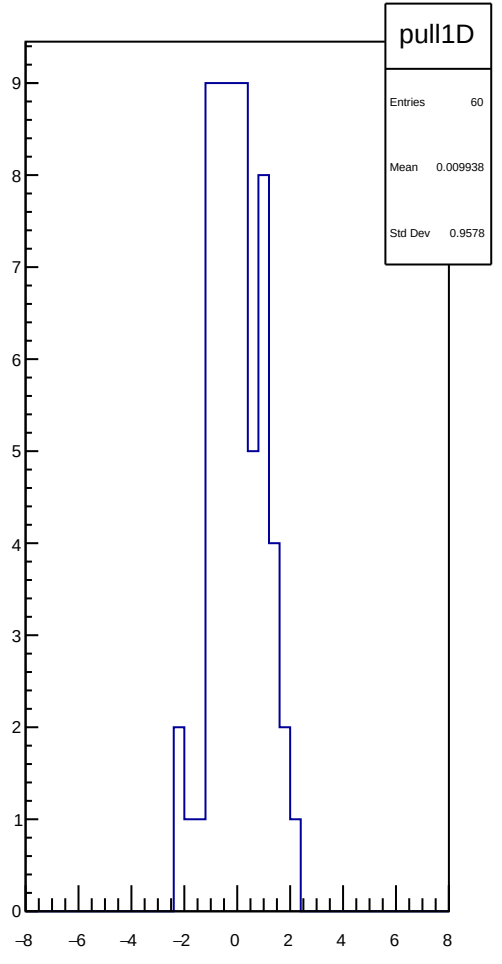

reg_asym_sam_26_dd_rms vs run
χ² / ndf 343.5 / 59
p0 1086 ± 1.016
1140
1120
1100
1080
1060
1040
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

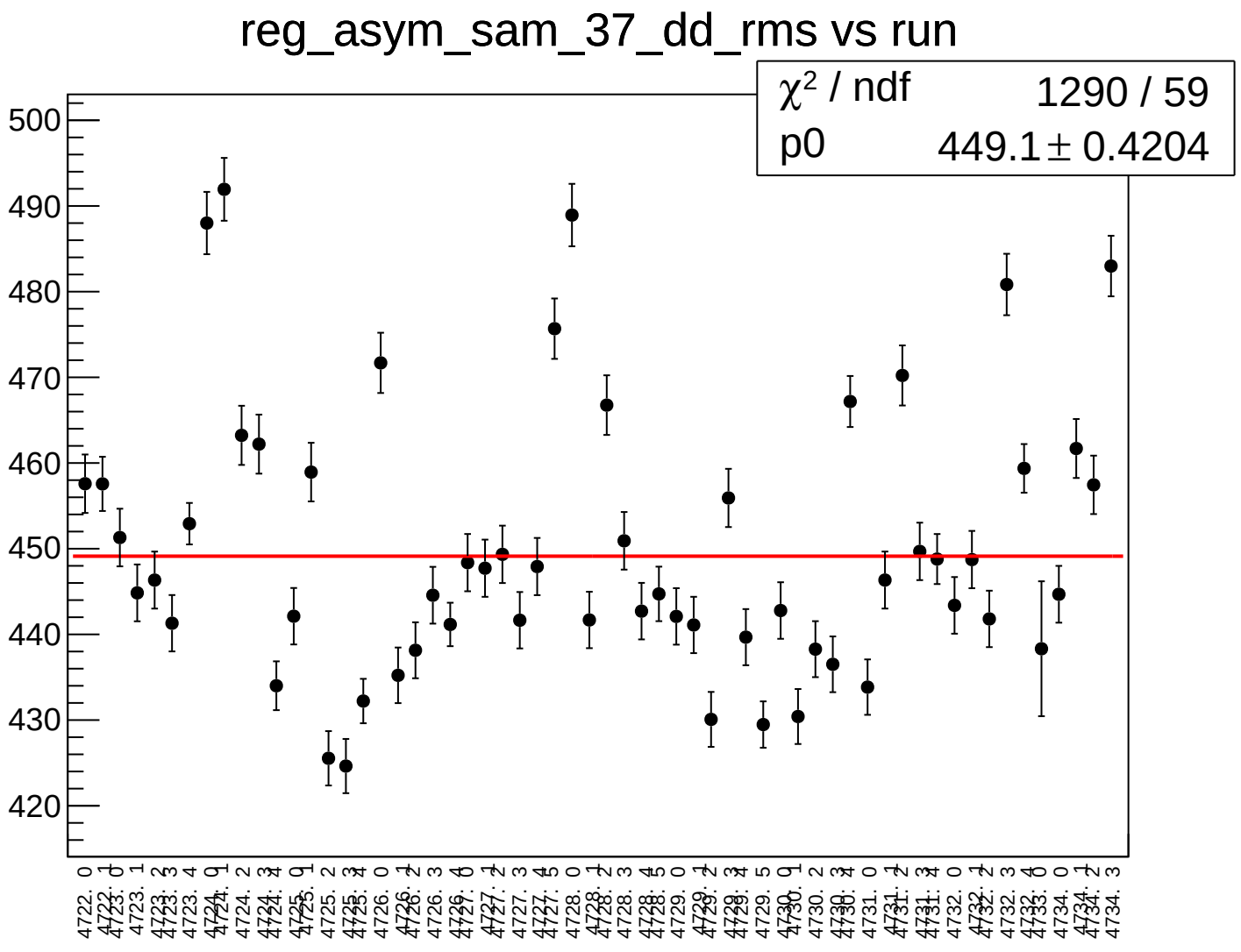

asym_sam_26_dd_correction_mean vs run
χ² / ndf 57.1 / 59
p0 −2374 ± 5291
pull
Entries 60
Mean 974.4
Std Dev 949.3

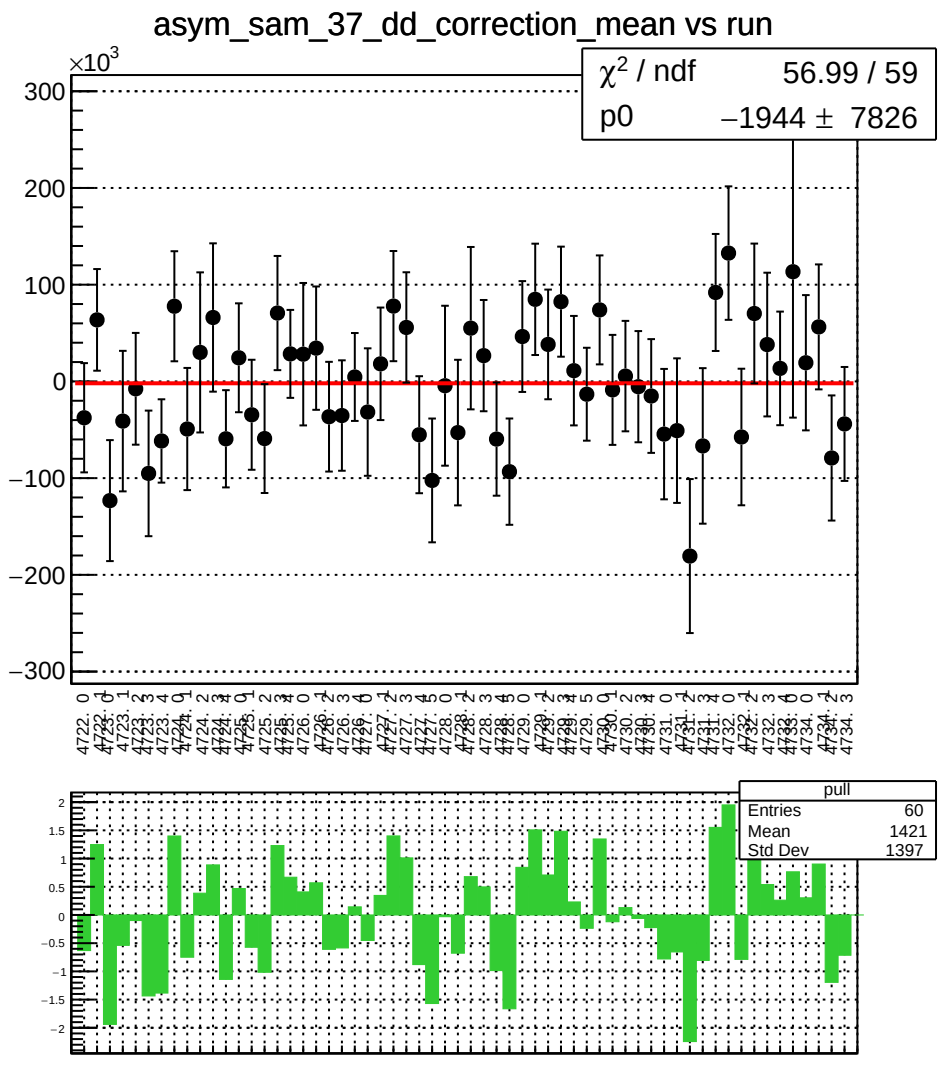

pull1D
Entries 60
Mean 0.002547
Std Dev 0.9756

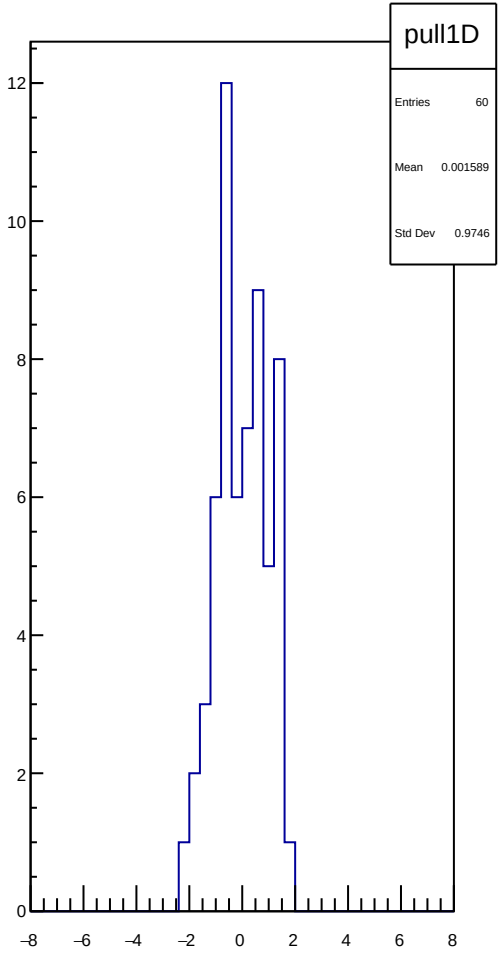

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.661e+04 / 59
p0 3970 ± 3.742
5500
5000
4500
4000
3500

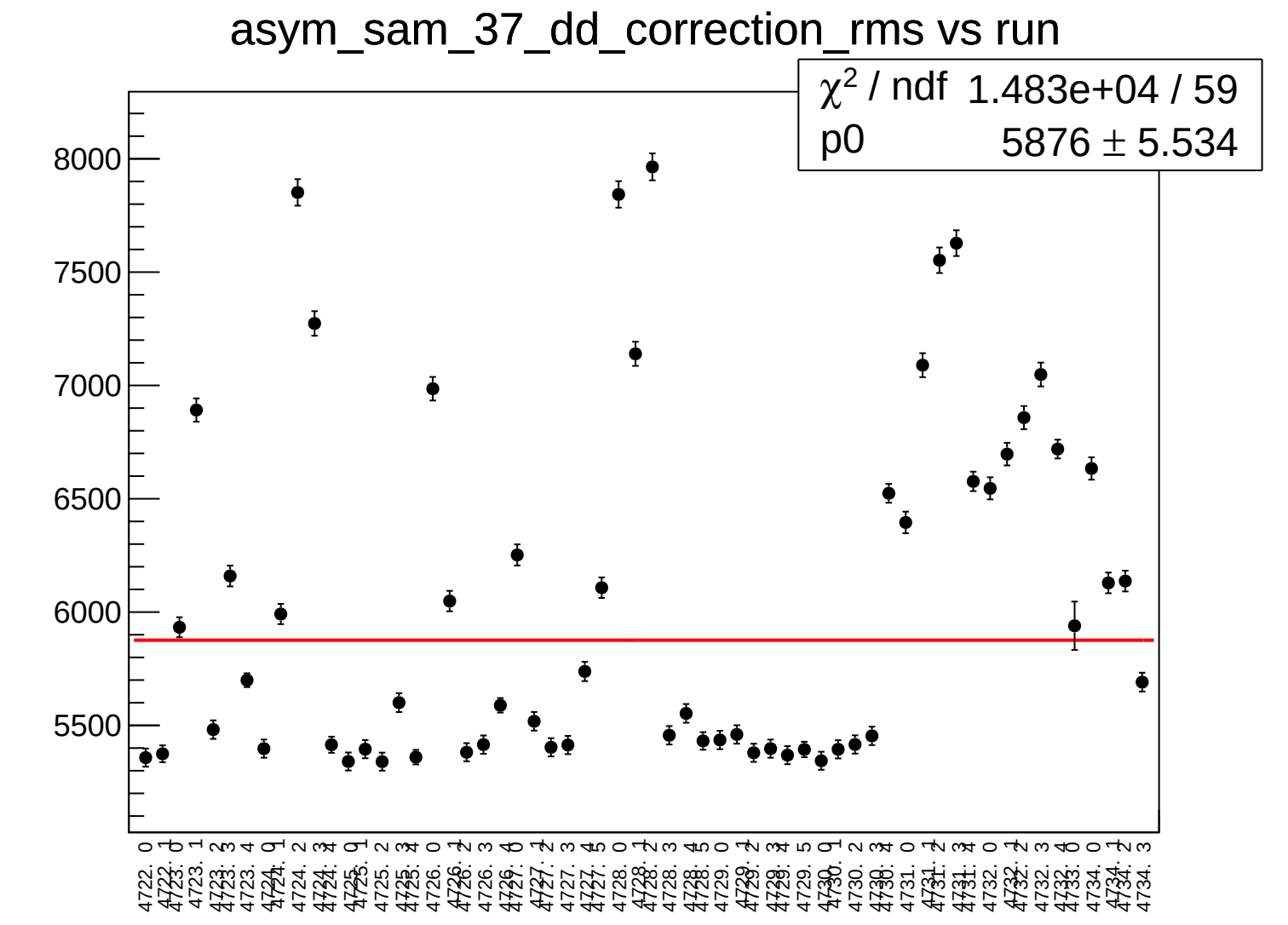

reg_asym_sam_37_dd_mean vs run
χ² / ndf 55.05 / 59
p0 −1445 ± 594.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 60
Mean −79.67
Std Dev 59.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

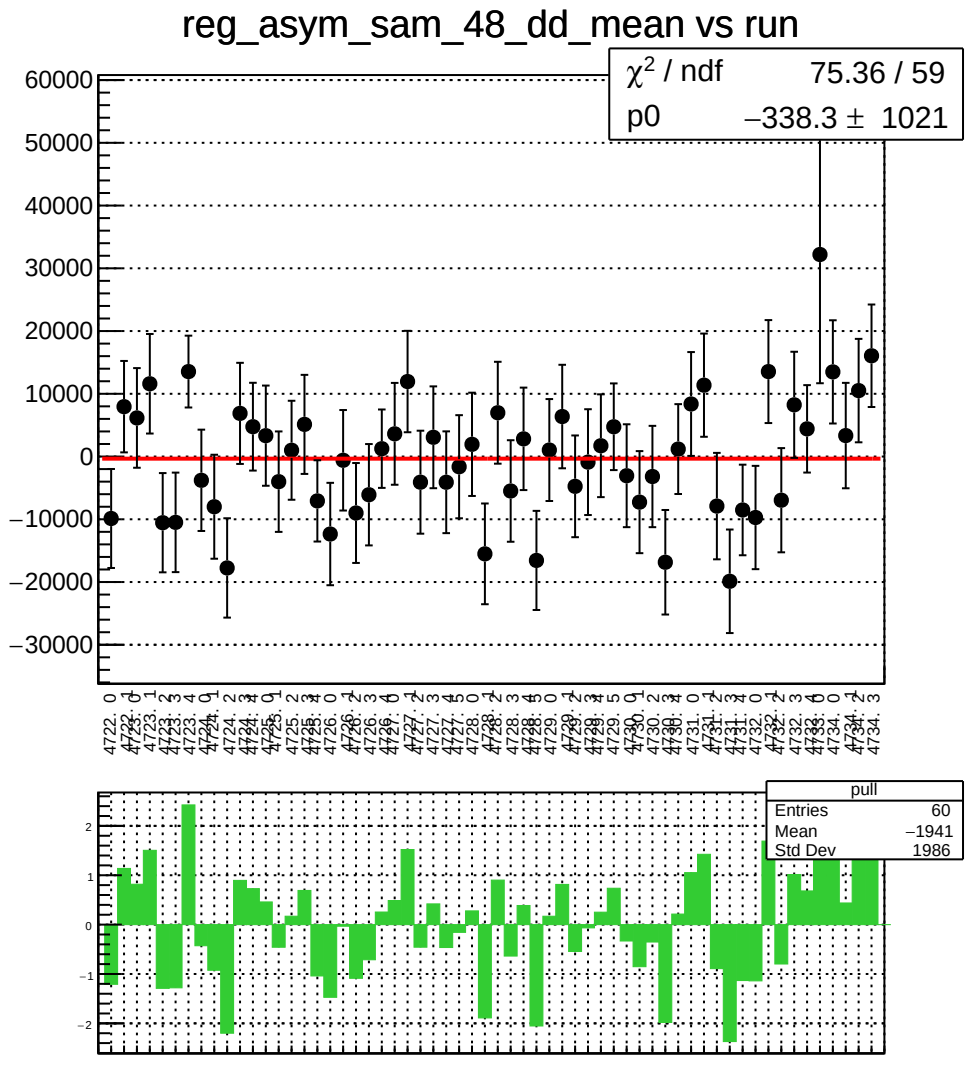

pull1D
Entries 60
Mean 0.009938
Std Dev 0.9578
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

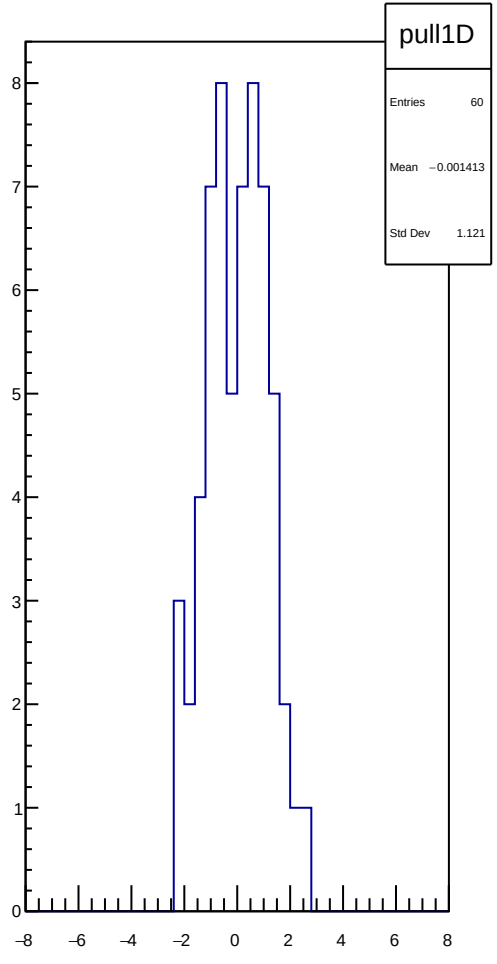

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1290 / 59
p0 449.1 ± 0.4204
500
490
480
470
460
450
440
430
420
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

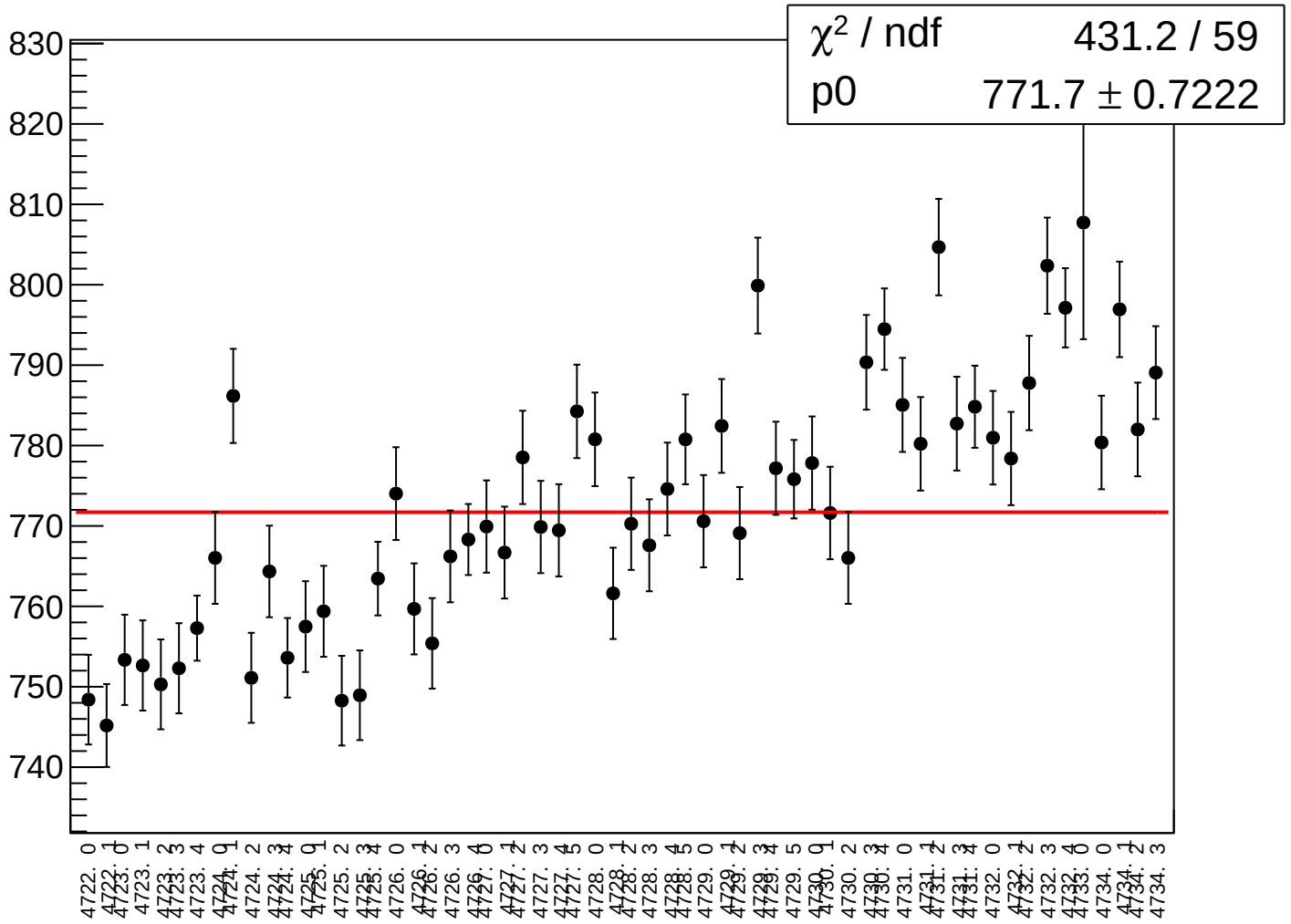

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 56.99 / 59
p0 −1944 ± 7826
pull
Entries 60
Mean 1421
Std Dev 1397

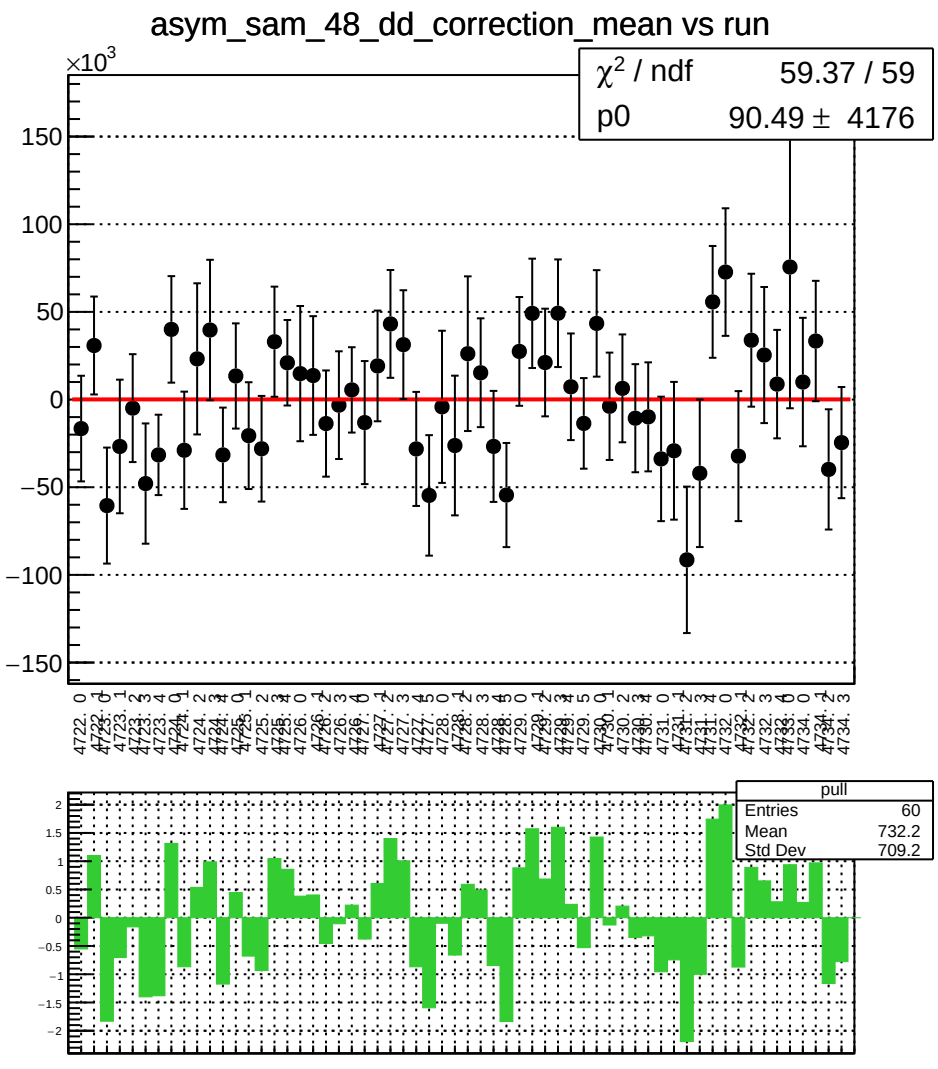

pull1D
Entries 60
Mean 0.001589
Std Dev 0.9746

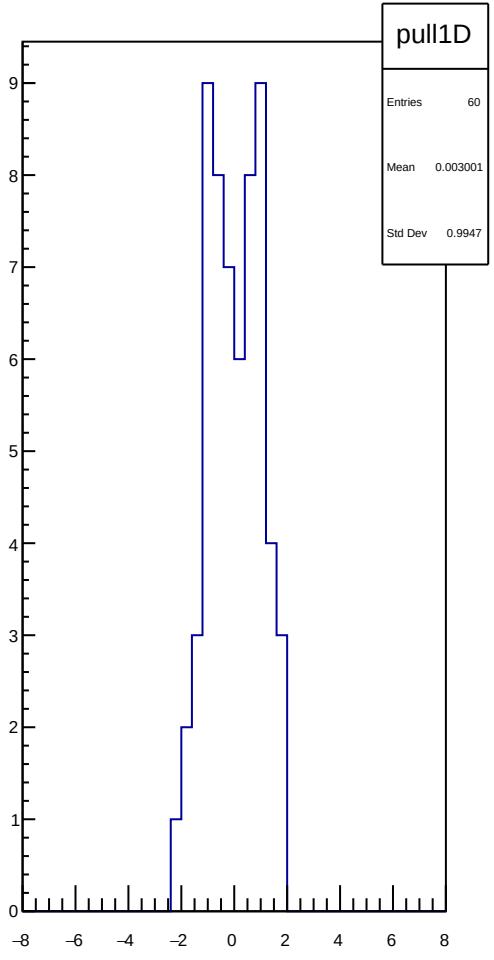

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.483e+04 / 59
p0 5876 ± 5.534
8000
7500
7000
6500
6000
5500

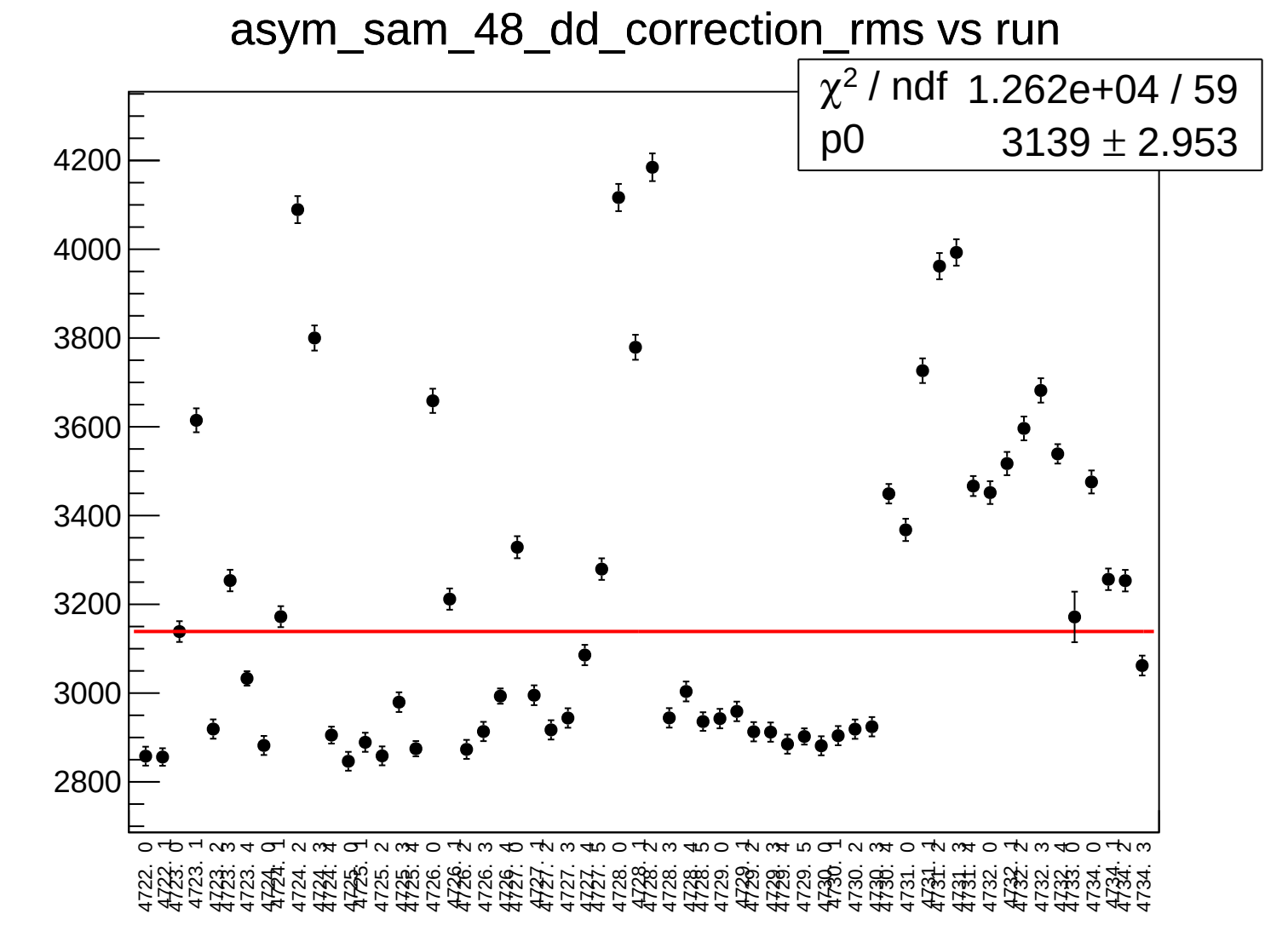

reg_asym_sam_48_dd_mean vs run
χ² / ndf 75.36 / 59
p0 −338.3 ± 1021
pull
Entries 60
Mean −1941
Std Dev 1986

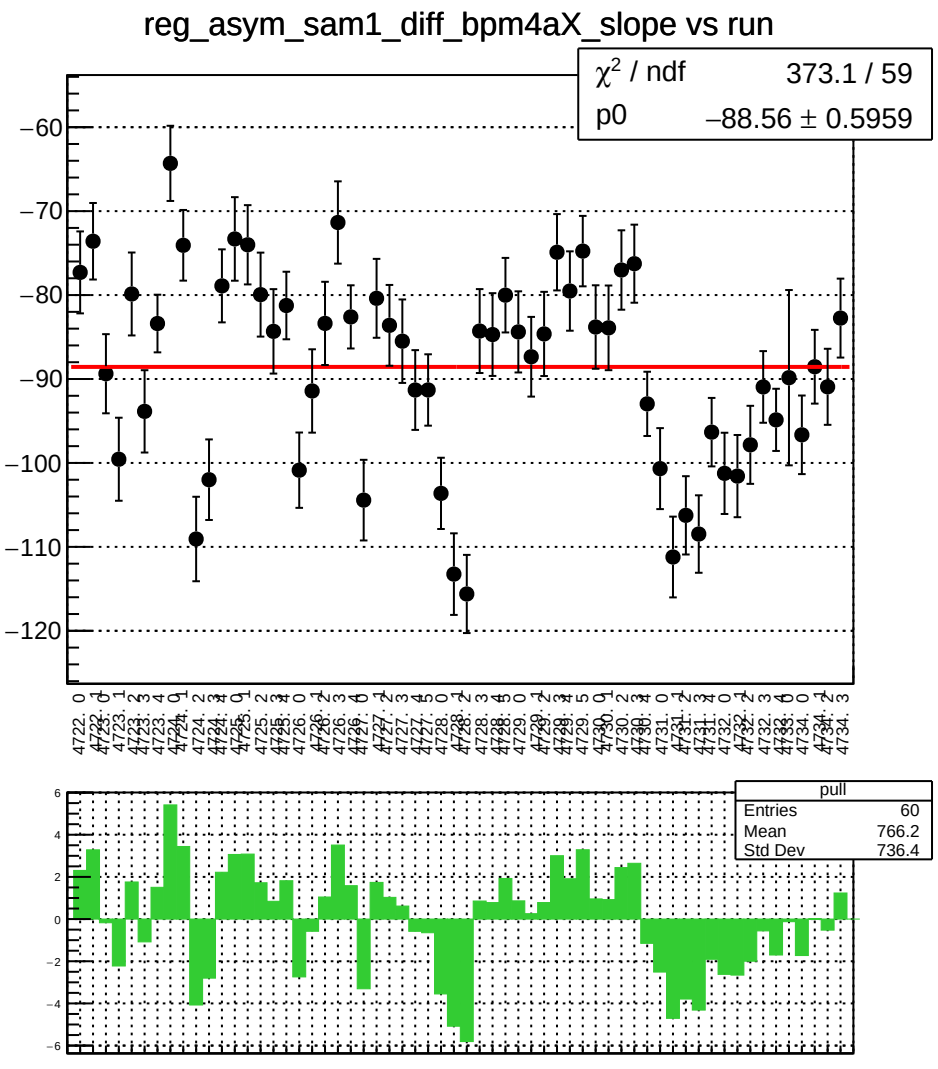

pull1D
Entries 60
Mean −0.001413
Std Dev 1.121

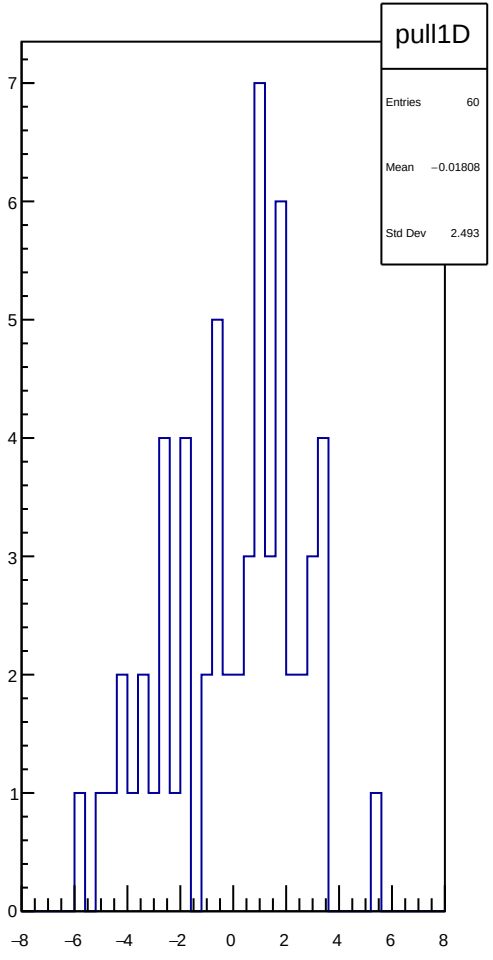

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 431.2 / 59
p0 771.7 ± 0.7222
830
820
810
800
790
780
770
760
750
740

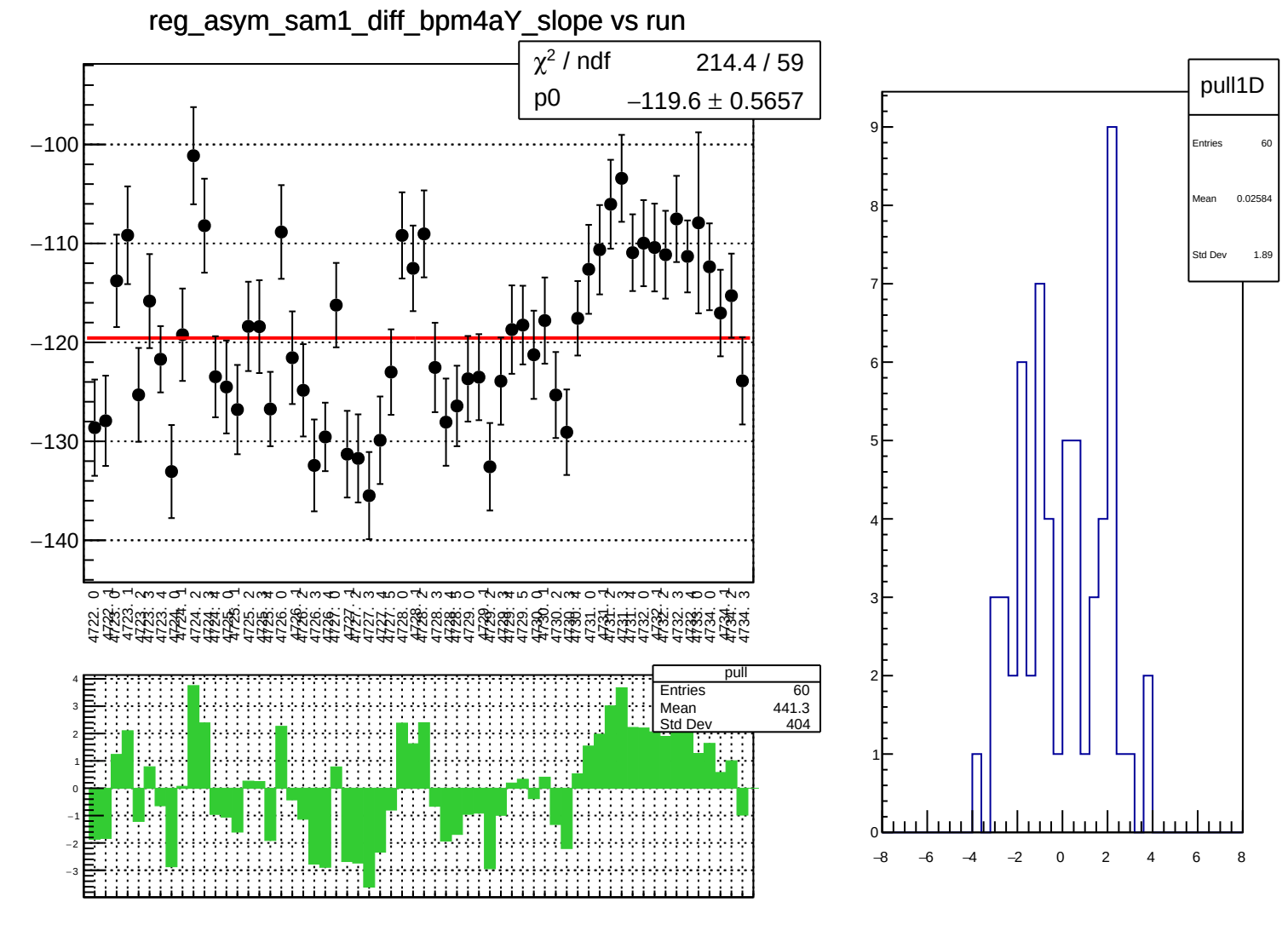

asym_sam_48_dd_correction_mean vs run
χ² / ndf 59.37 / 59
p0 90.49 ± 4176
pull
Entries 60
Mean 732.2
Std Dev 709.2

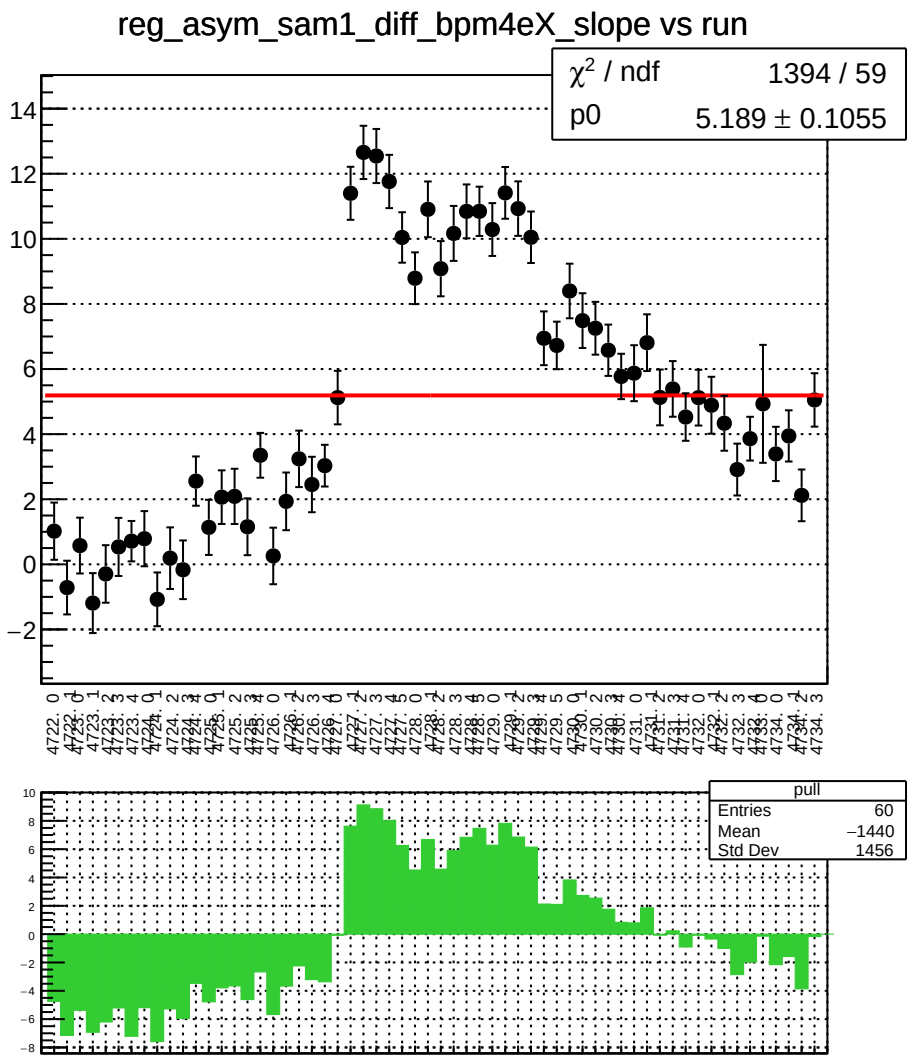

pull1D
Entries 60
Mean 0.003001
Std Dev 0.9947

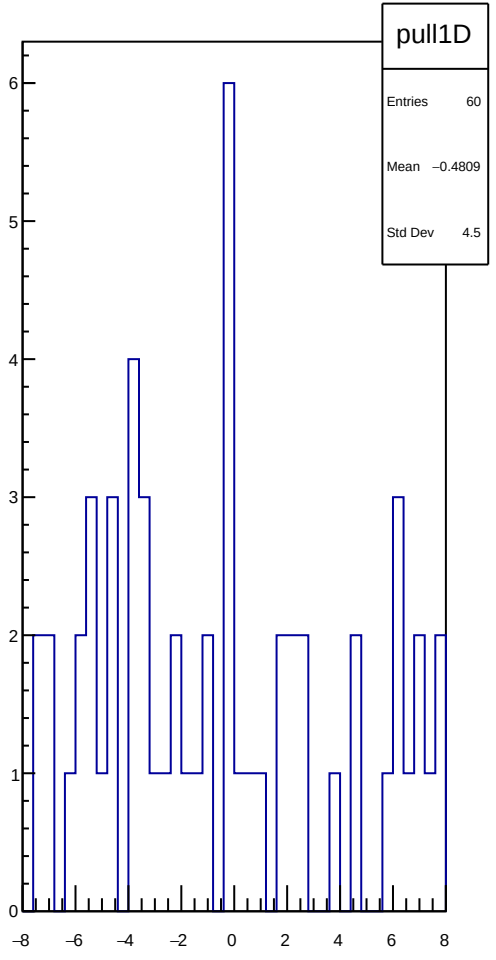

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.262e+04 / 59
p0 3139 ± 2.953
4200
4000
3800
3600
3400
3200
3000
2800
4722. 0
4722. 1
4723. 0
4723. 1
4723. 2
4723. 3
4723. 4
4724. 0
4724. 1
4724. 2
4724. 3
4724. 4
4725. 0
4725. 1
4725. 2
4725. 3
4725. 4
4726. 0
4726. 1
4726. 2
4726. 3
4726. 4
4727. 0
4727. 1
4727. 2
4727. 3
4727. 4
4727. 5
4728. 0
4728. 1
4728. 2
4728. 3
4728. 4
4728. 5
4729. 0
4729. 1
4729. 2
4729. 3
4729. 4
4729. 5
4730. 0
4730. 1
4730. 2
4730. 3
4730. 4
4731. 0
4731. 1
4731. 2
4731. 3
4731. 4
4732. 0
4732. 1
4732. 2
4732. 3
4732. 4
4733. 0
4734. 0
4734. 1
4734. 2
4734. 3

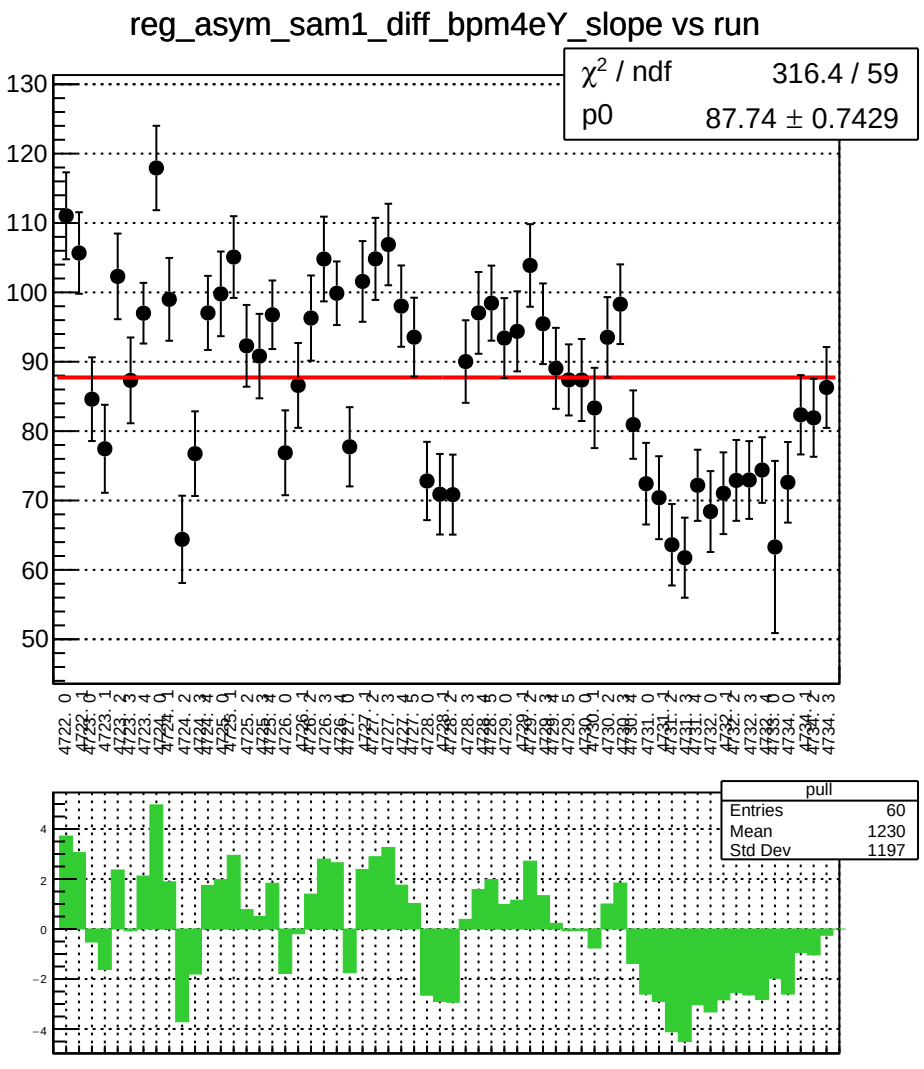

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 373.1 / 59
p0 −88.56 ± 0.5959
pull
Entries 60
Mean 766.2
Std Dev 736.4

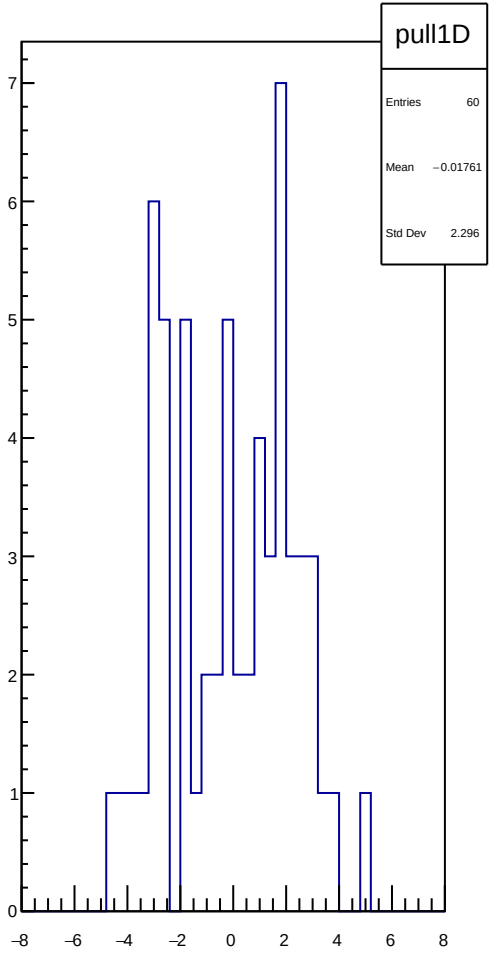

pull1D
Entries 60
Mean −0.01808
Std Dev 2.493

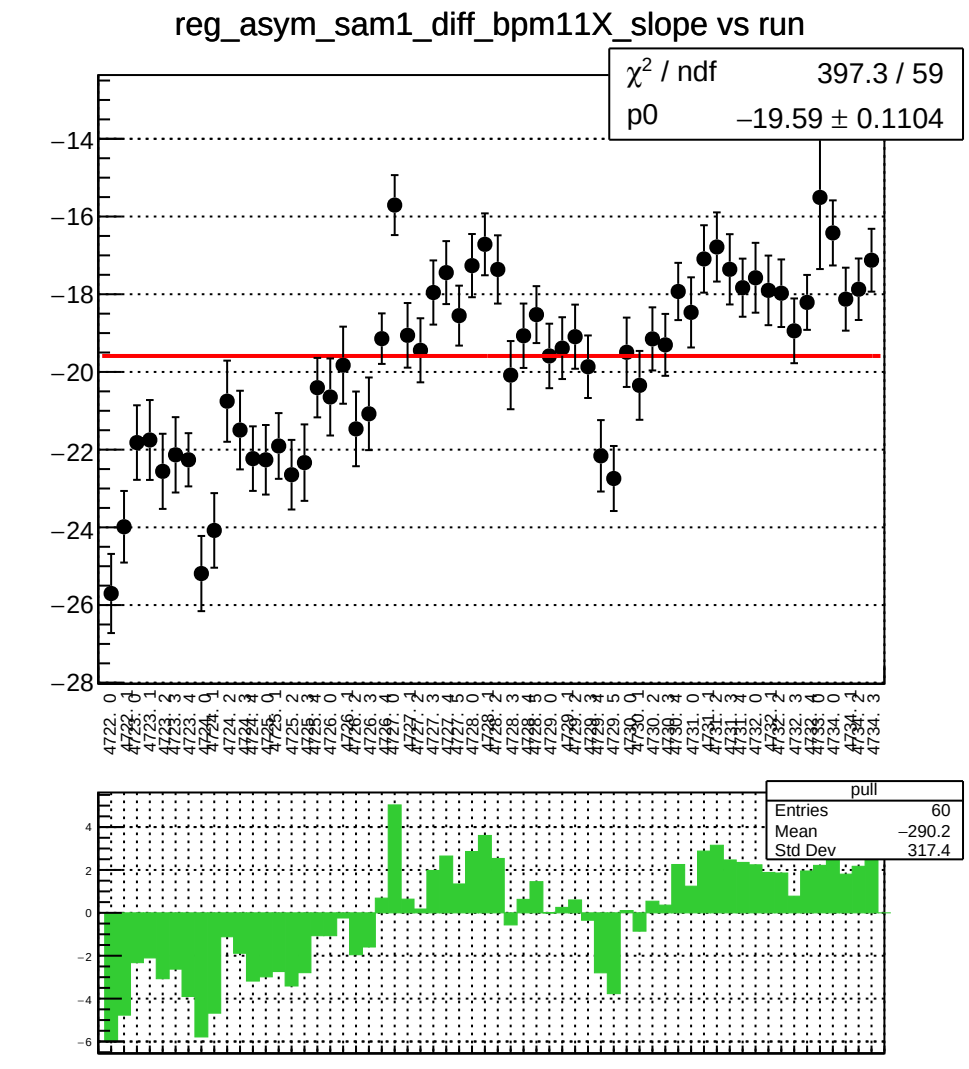

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 214.4 / 59
p0 −119.6 ± 0.5657
−100
−110
−120
−130
−140
pull
Entries 60
Mean 441.3
Std Dev 404
pull1D
Entries 60
Mean 0.02584
Std Dev 1.89

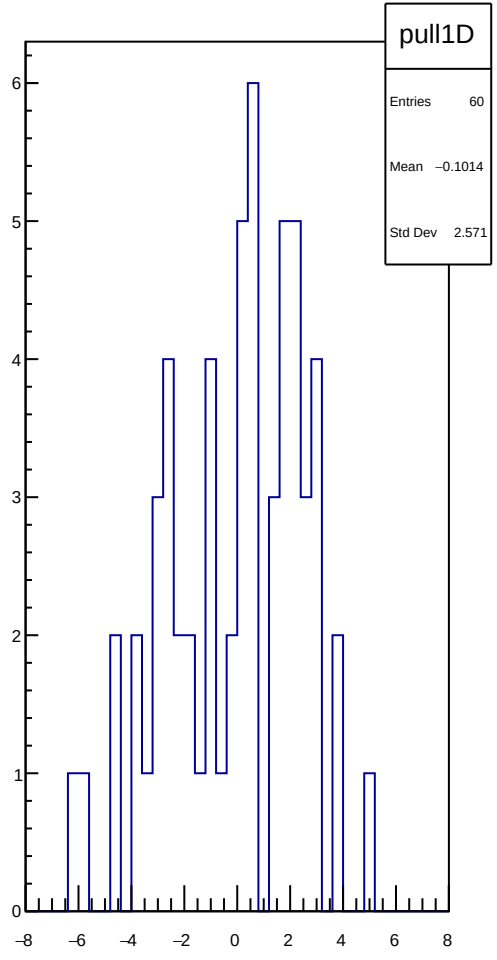

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1394 / 59
p0 5.189 ± 0.1055
pull
Entries 60
Mean −1440
Std Dev 1456

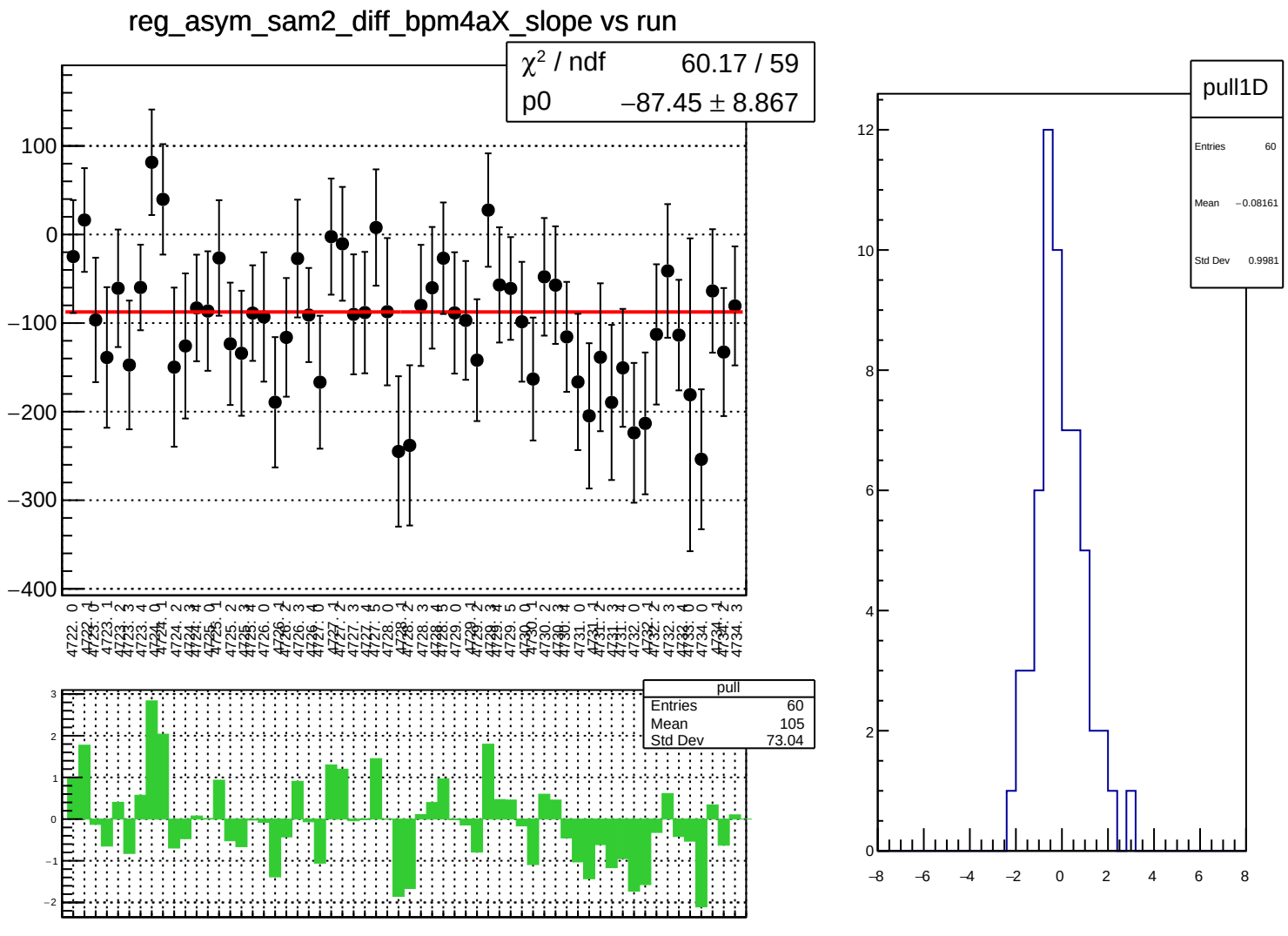

pull1D
Entries 60
Mean −0.4809
Std Dev 4.5

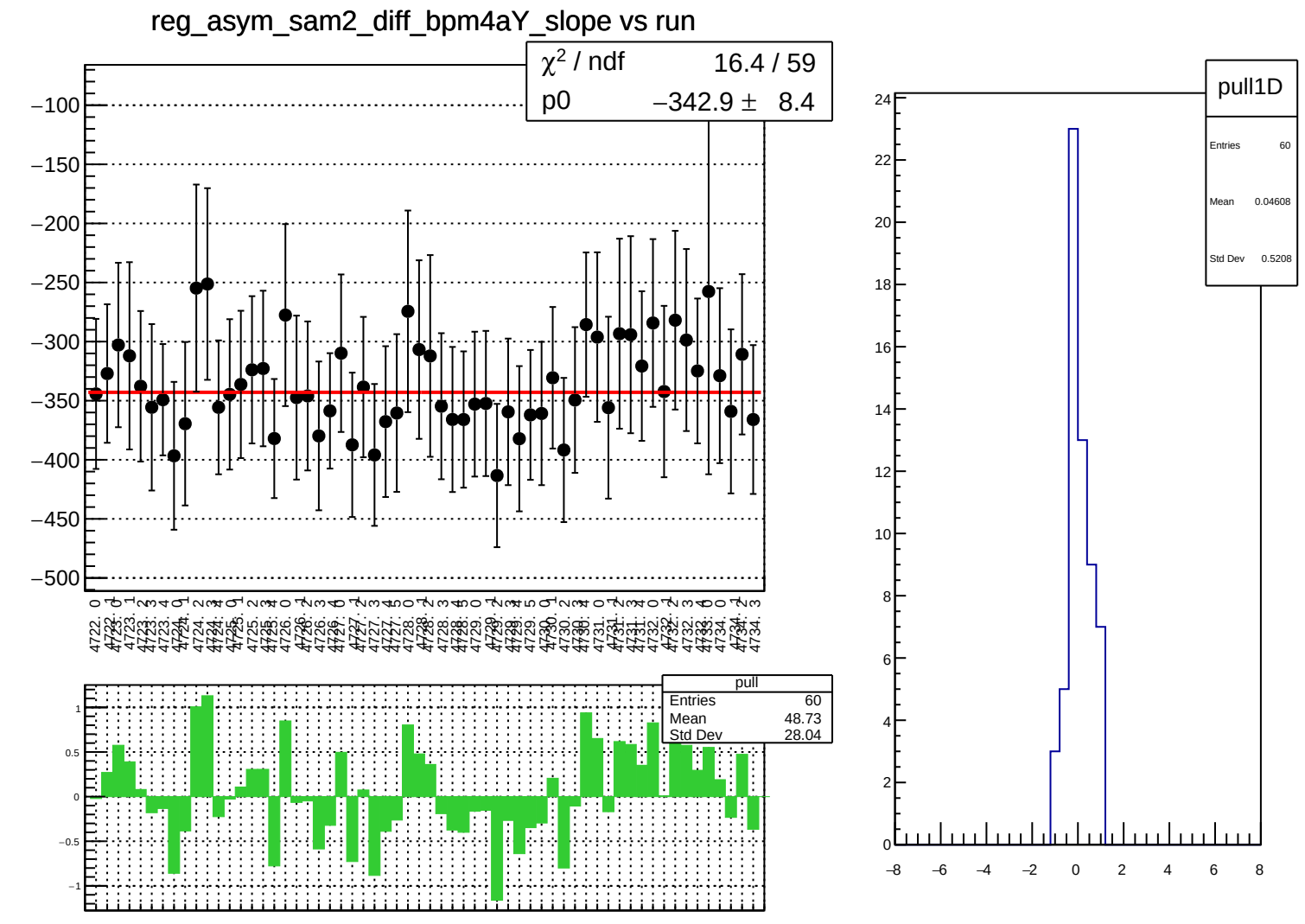

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 316.4 / 59
p0 87.74 ± 0.7429
pull
Entries 60
Mean 1230
Std Dev 1197

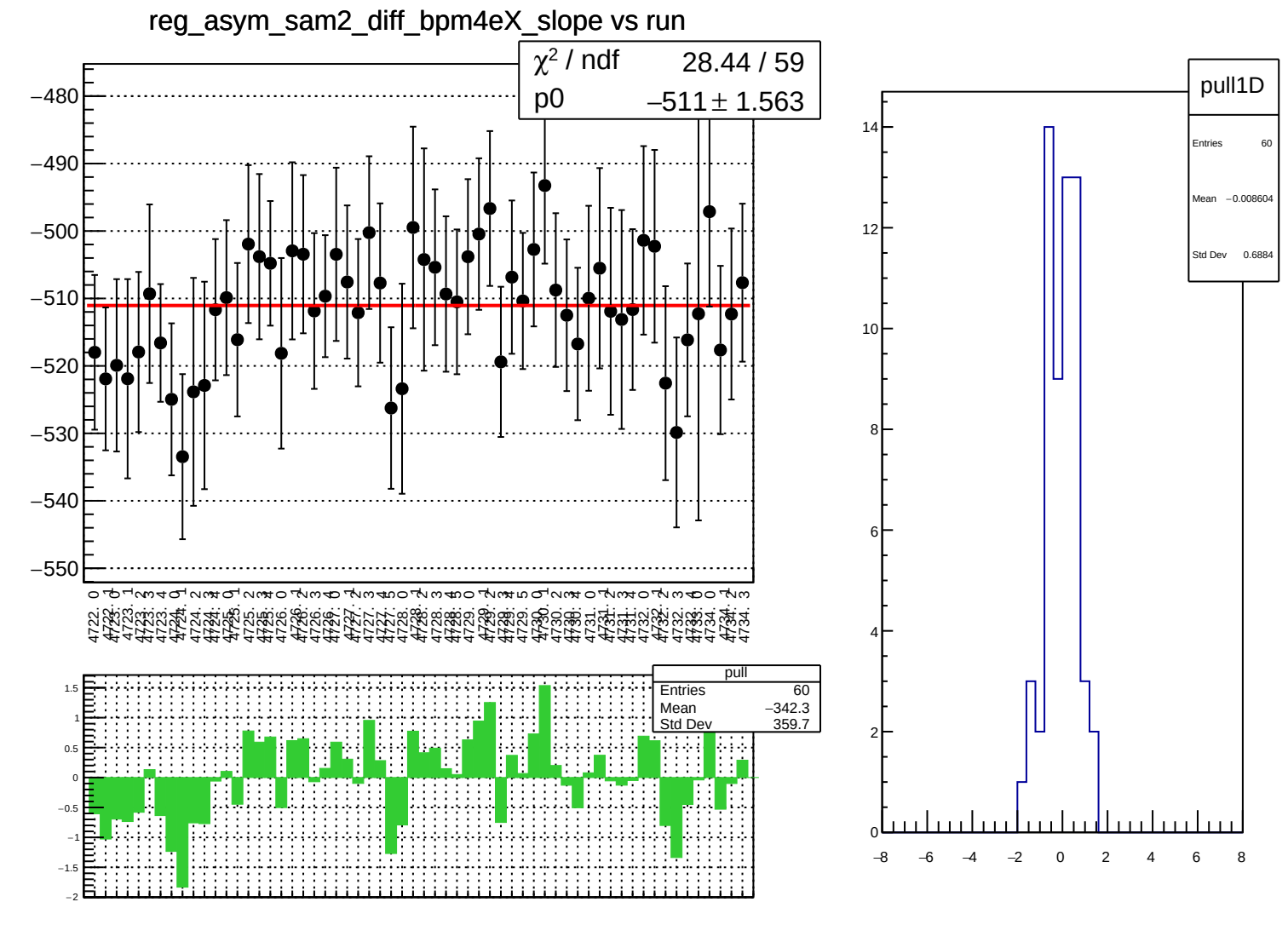

pull1D
Entries 60
Mean −0.01761
Std Dev 2.296

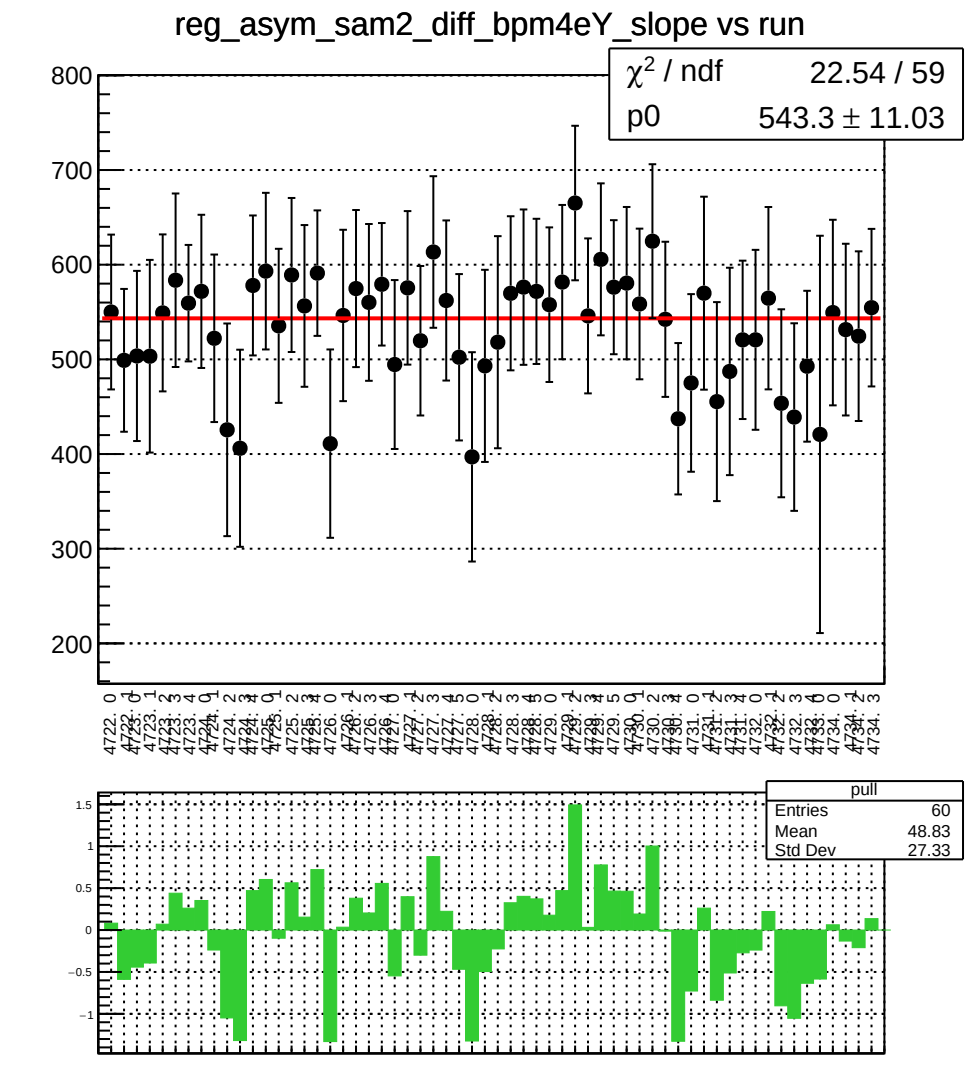

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 397.3 / 59
p0 −19.59 ± 0.1104
pull
Entries 60
Mean −290.2
Std Dev 317.4

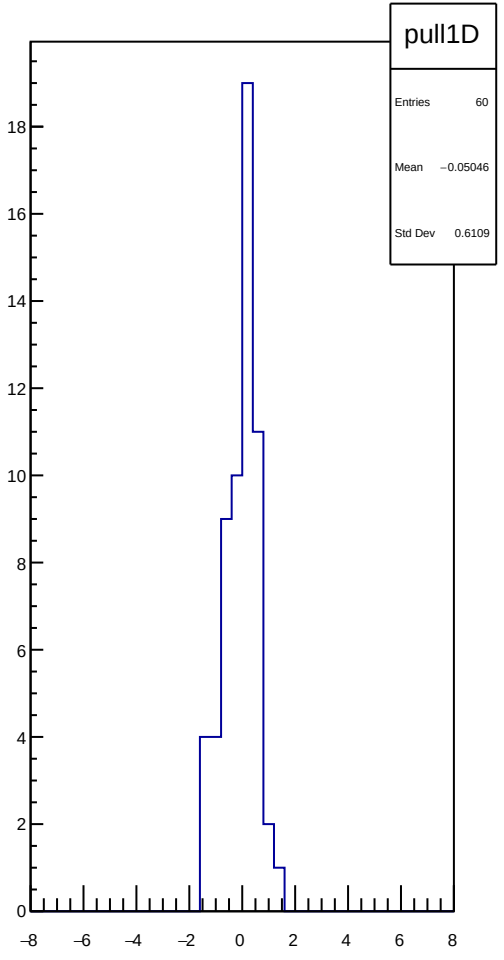

pull1D
Entries 60
Mean −0.1014
Std Dev 2.571

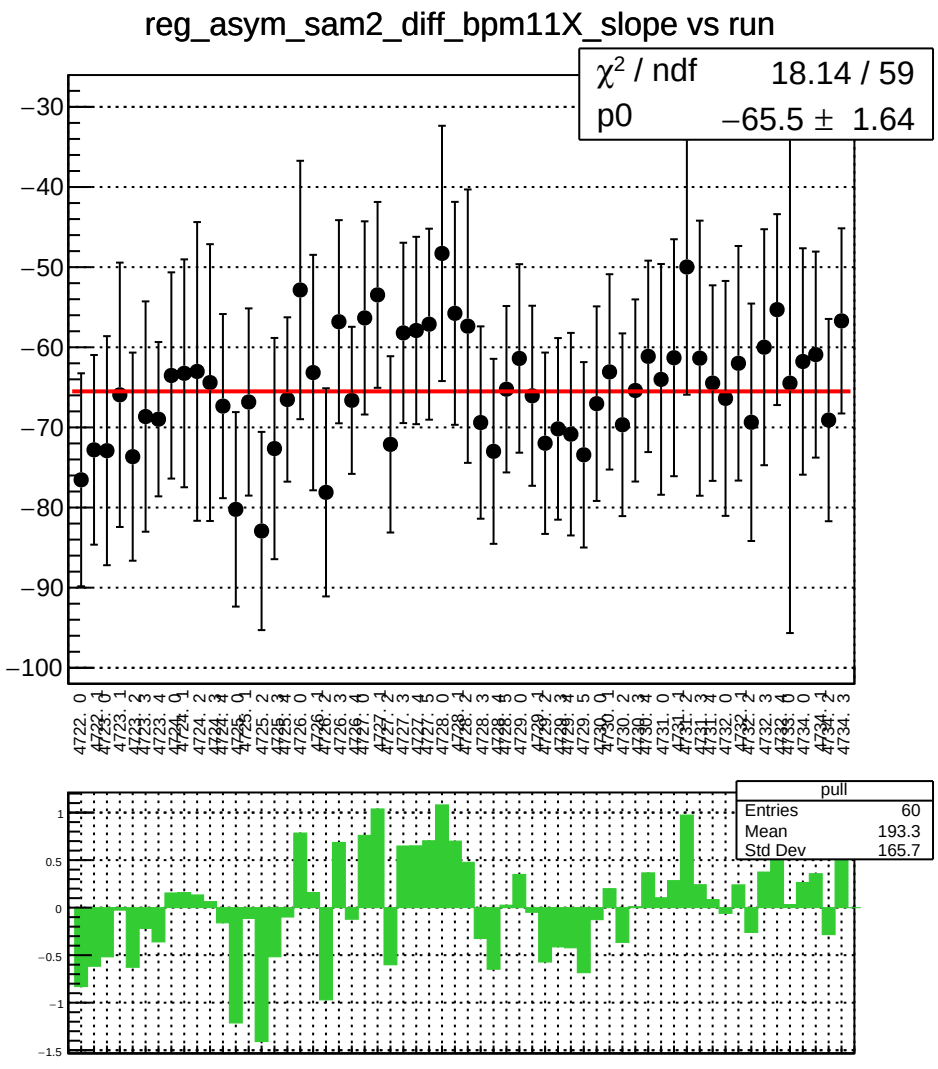

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 60.17 / 59
p0 −87.45 ± 8.867
pull
Entries 60
Mean 105
Std Dev 73.04
pull1D
Entries 60
Mean −0.08161
Std Dev 0.9981

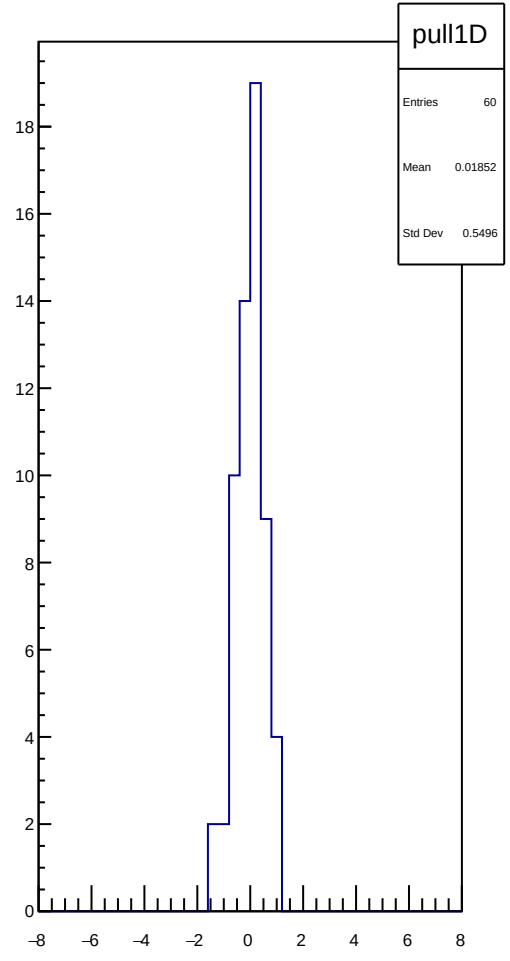

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 16.4 / 59
p0 −342.9 ± 8.4
pull
Entries 60
Mean 48.73
Std Dev 28.04
pull1D
Entries 60
Mean 0.04608
Std Dev 0.5208

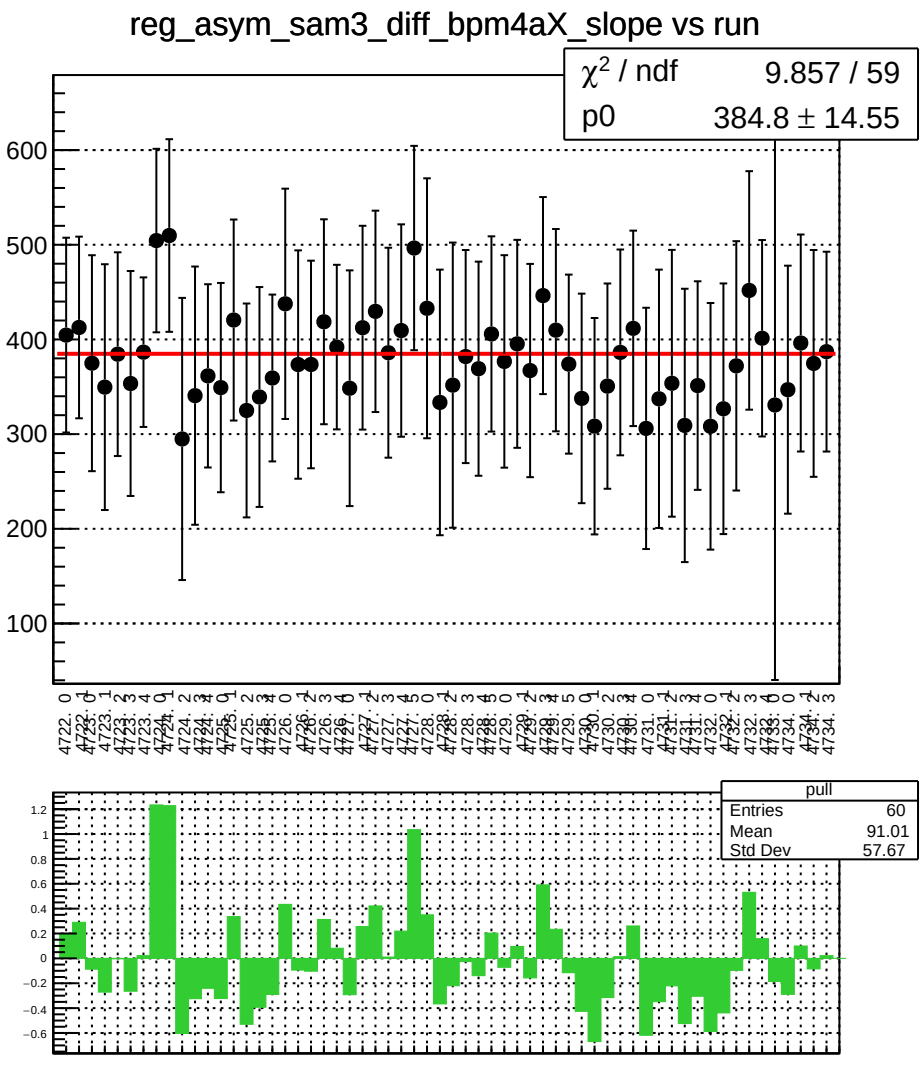

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 28.44 / 59
p0 −511 ± 1.563
pull
Entries 60
Mean −342.3
Std Dev 359.7
pull1D
Entries 60
Mean −0.008604
Std Dev 0.6884

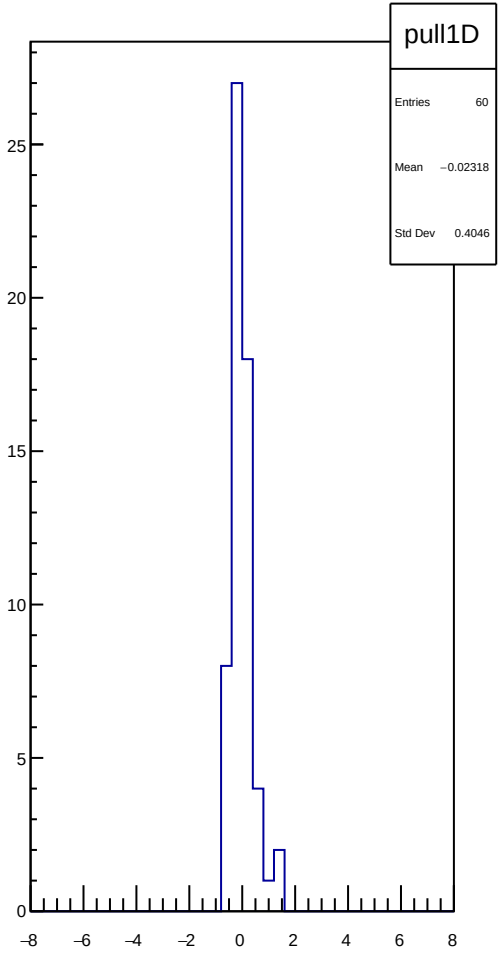

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 22.54 / 59
p0 543.3 ± 11.03
pull
Entries 60
Mean 48.83
Std Dev 27.33

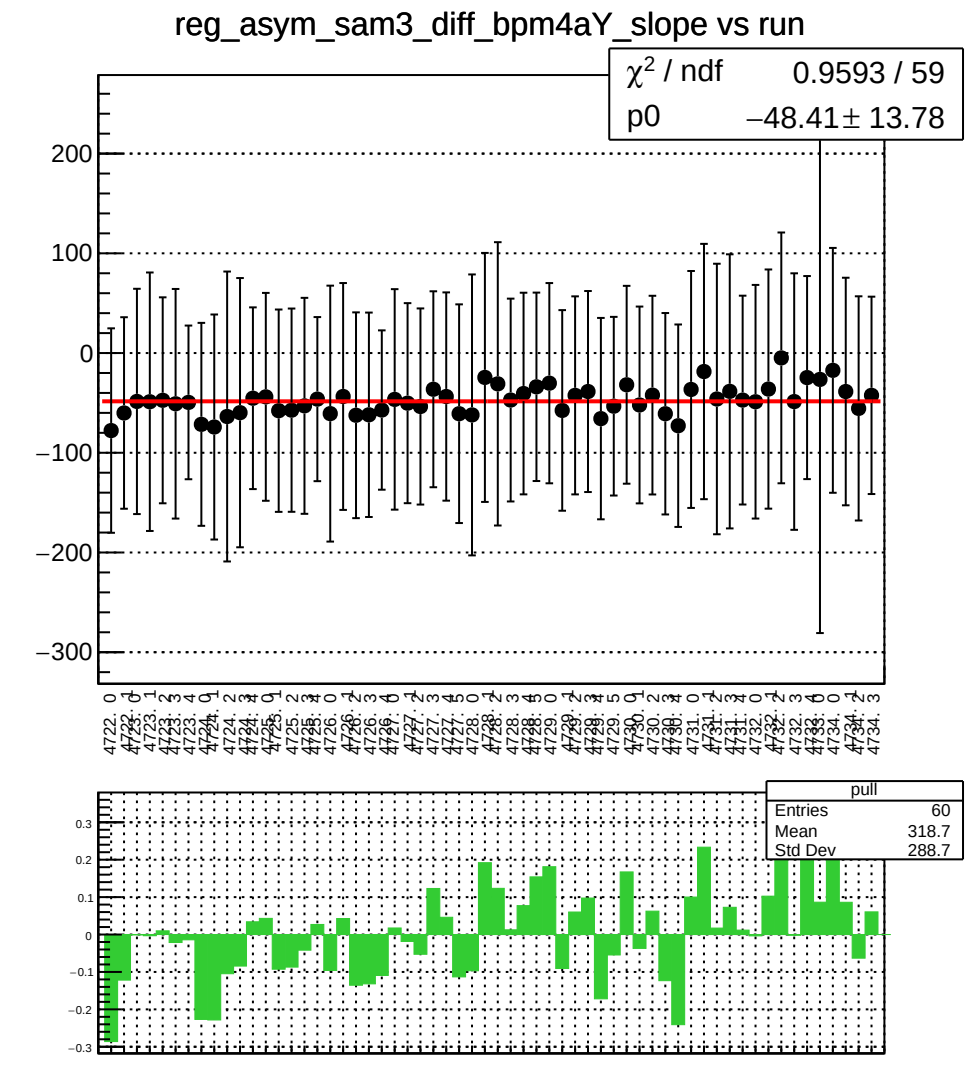

pull1D
Entries 60
Mean −0.05046
Std Dev 0.6109

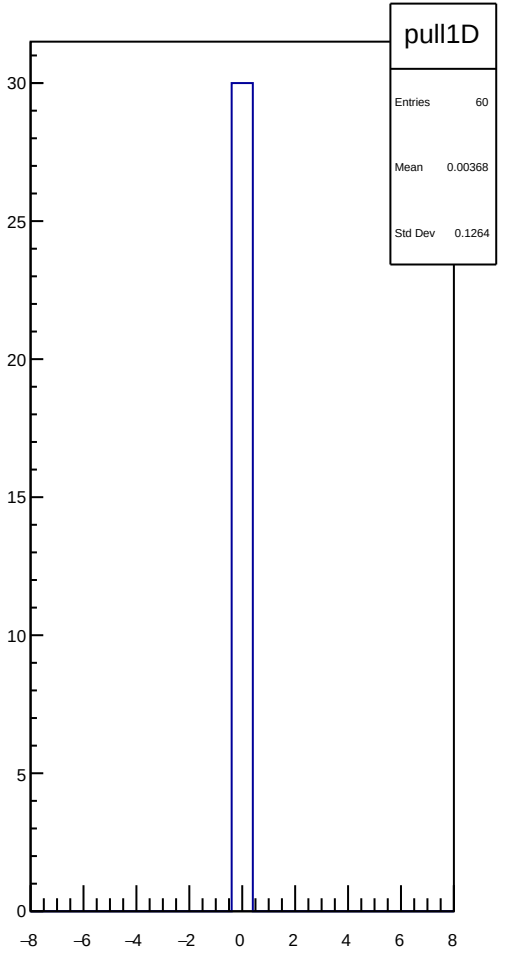

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 18.14 / 59
p0 −65.5 ± 1.64
pull
Entries 60
Mean 193.3
Std Dev 165.7

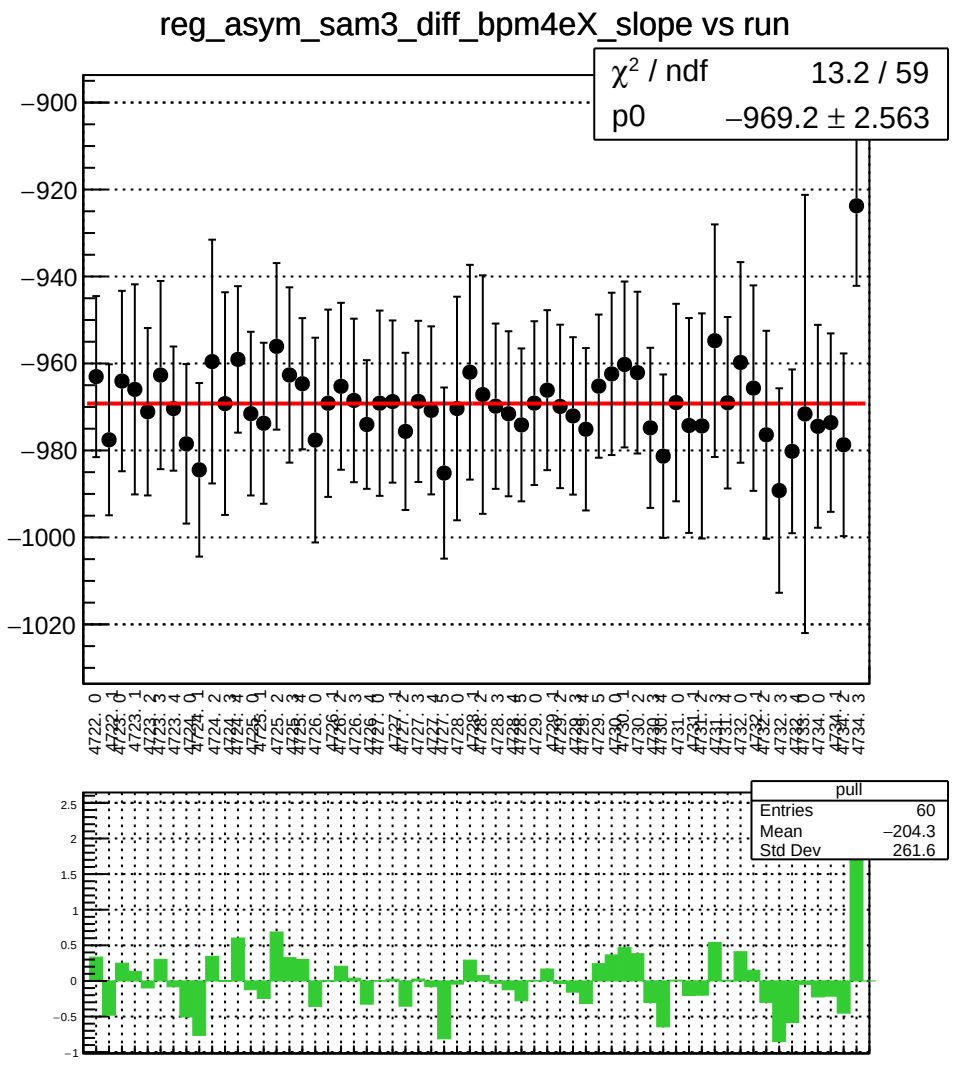

pull1D
Entries 60
Mean 0.01852
Std Dev 0.5496

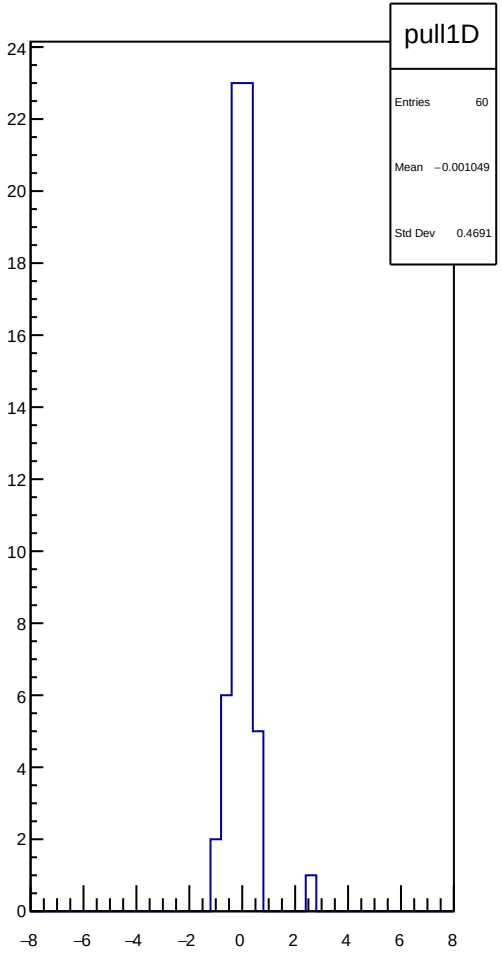

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 9.857 / 59
p0 384.8 ± 14.55
pull
Entries 60
Mean 91.01
Std Dev 57.67

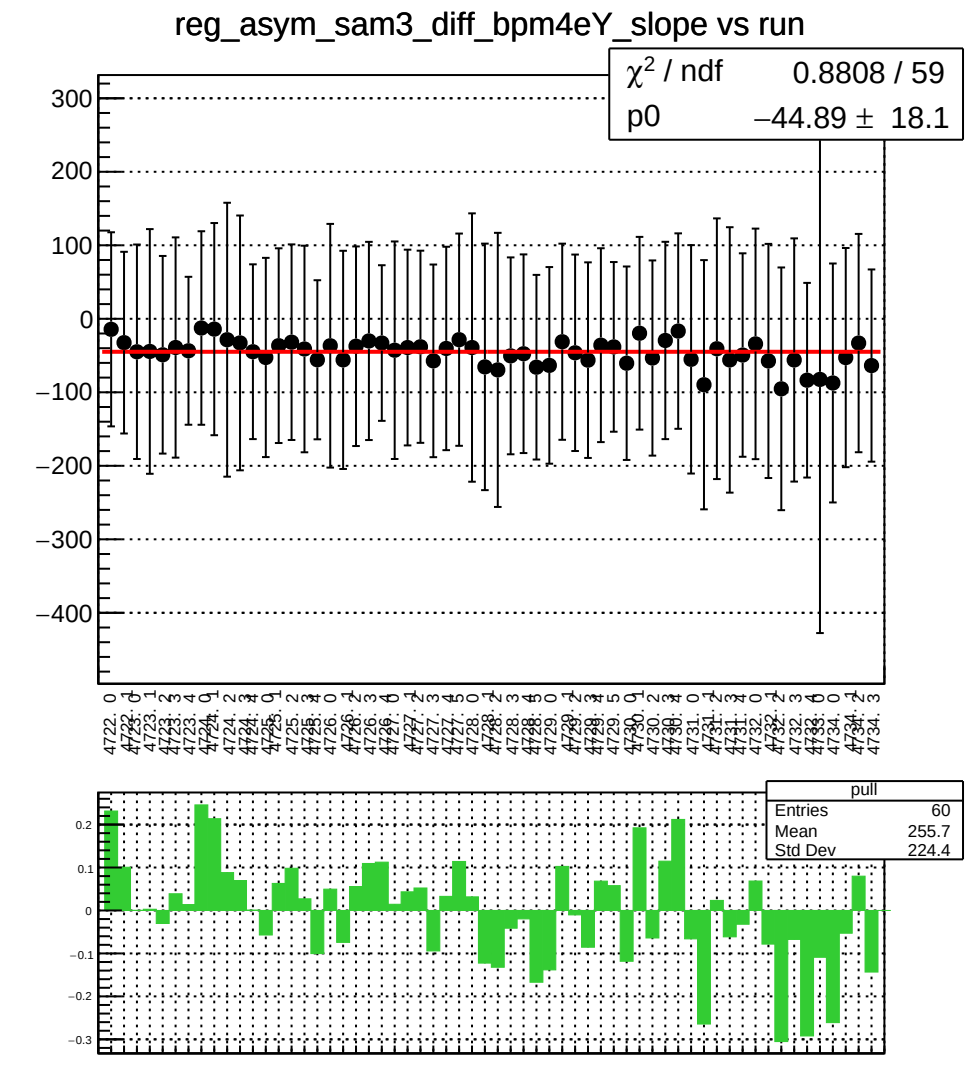

pull1D
Entries 60
Mean −0.02318
Std Dev 0.4046

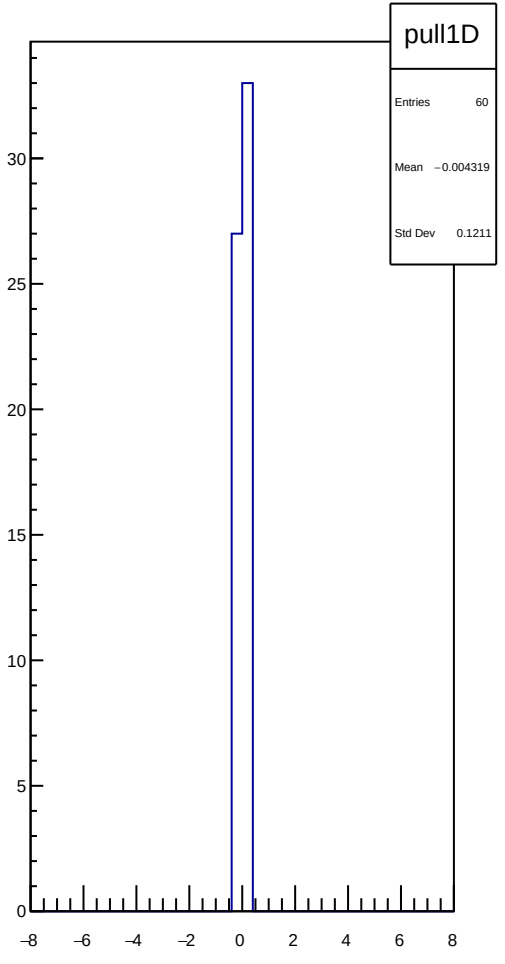

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 0.9593 / 59
p0 −48.41 ± 13.78
pull
Entries 60
Mean 318.7
Std Dev 288.7

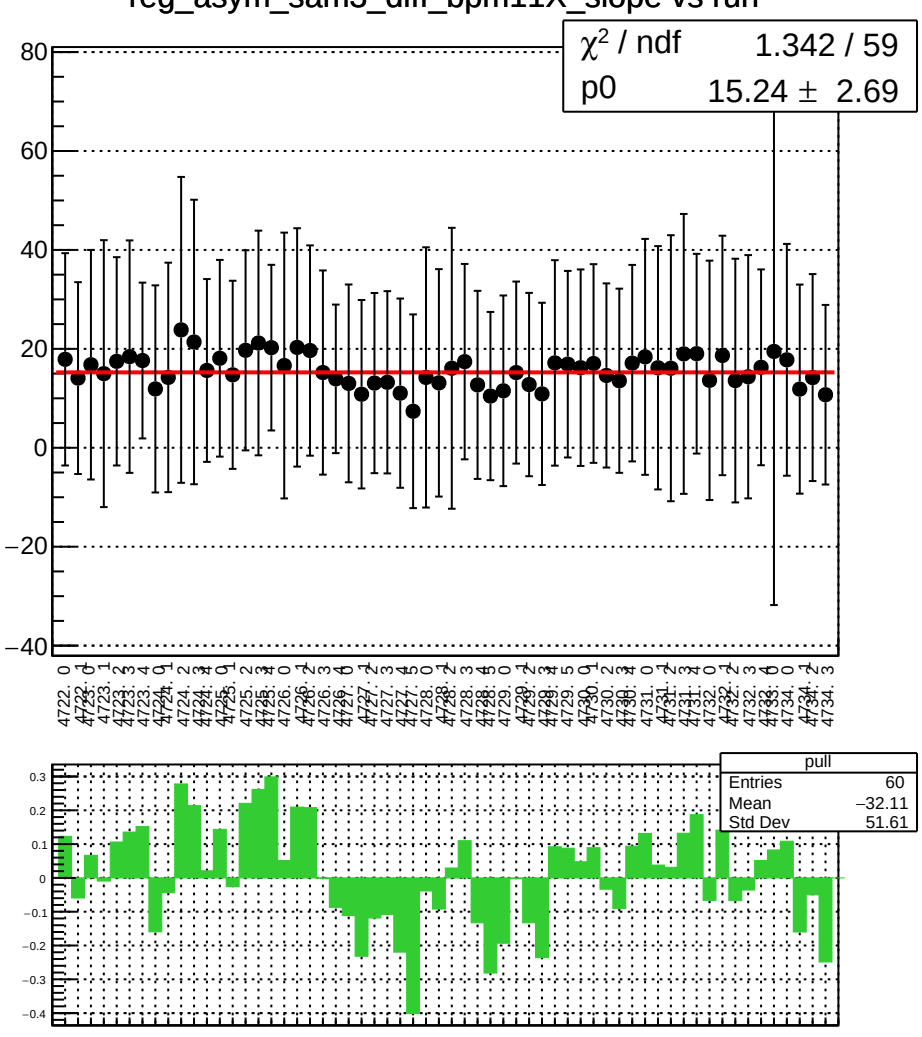

pull1D
Entries 60
Mean 0.00368
Std Dev 0.1264

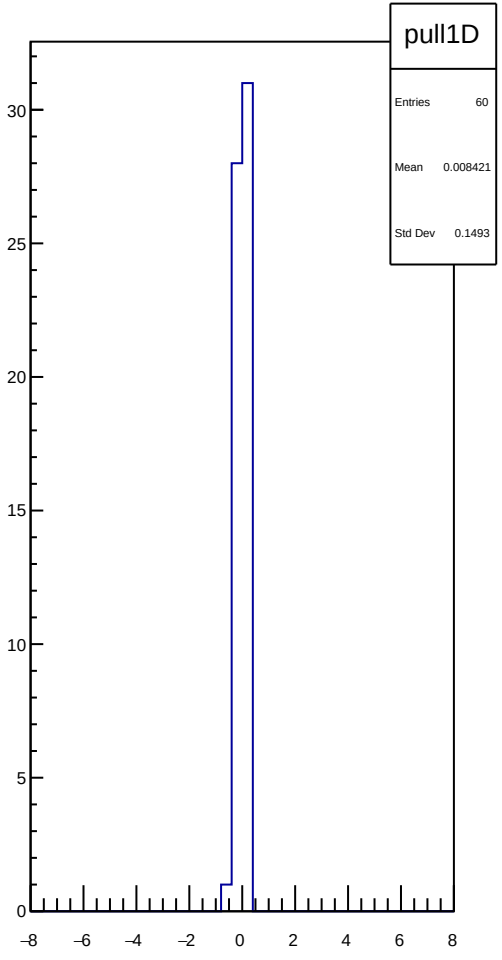

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 13.2 / 59
p0 −969.2 ± 2.563
pull
Entries 60
Mean −204.3
Std Dev 261.6

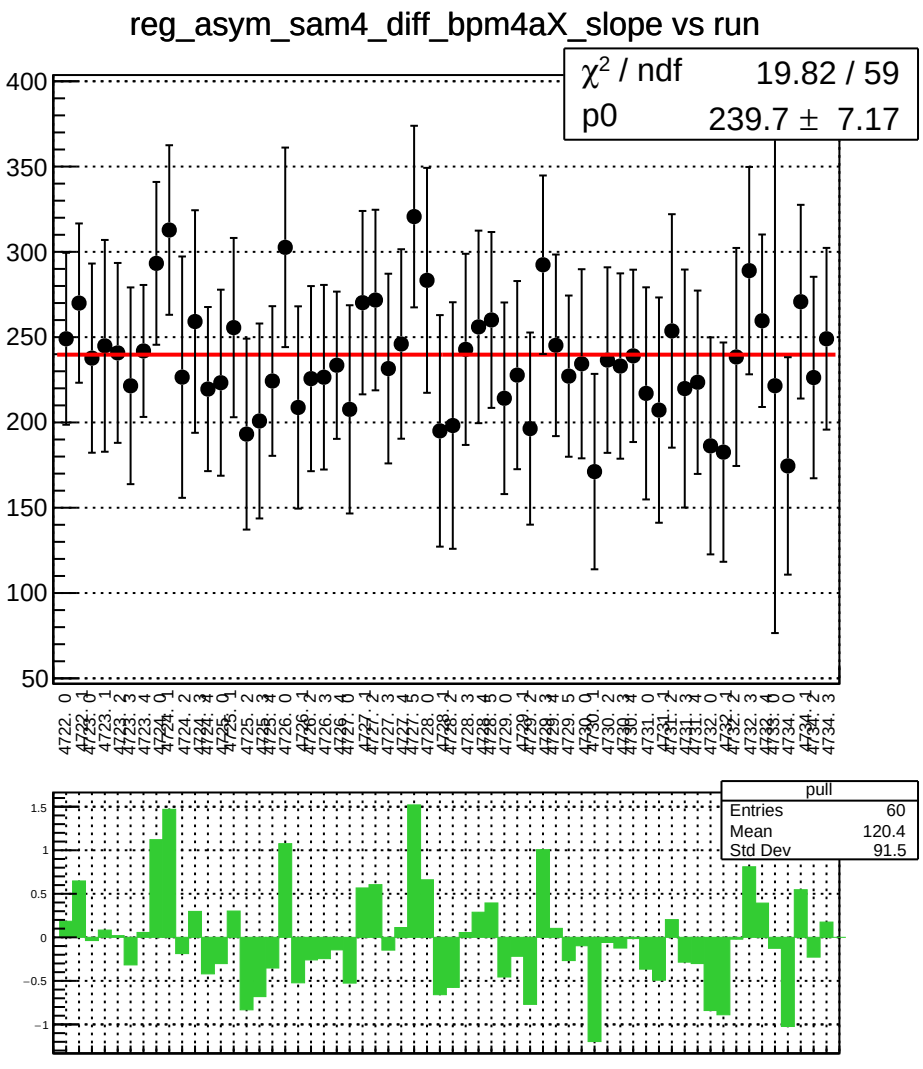

pull1D
Entries 60
Mean −0.001049
Std Dev 0.4691

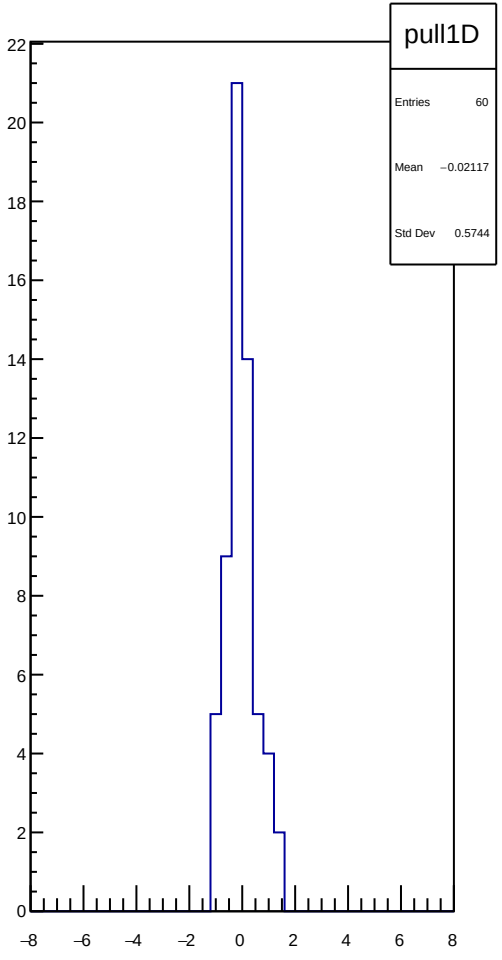

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 0.8808 / 59
p0 −44.89 ± 18.1
pull
Entries 60
Mean 255.7
Std Dev 224.4

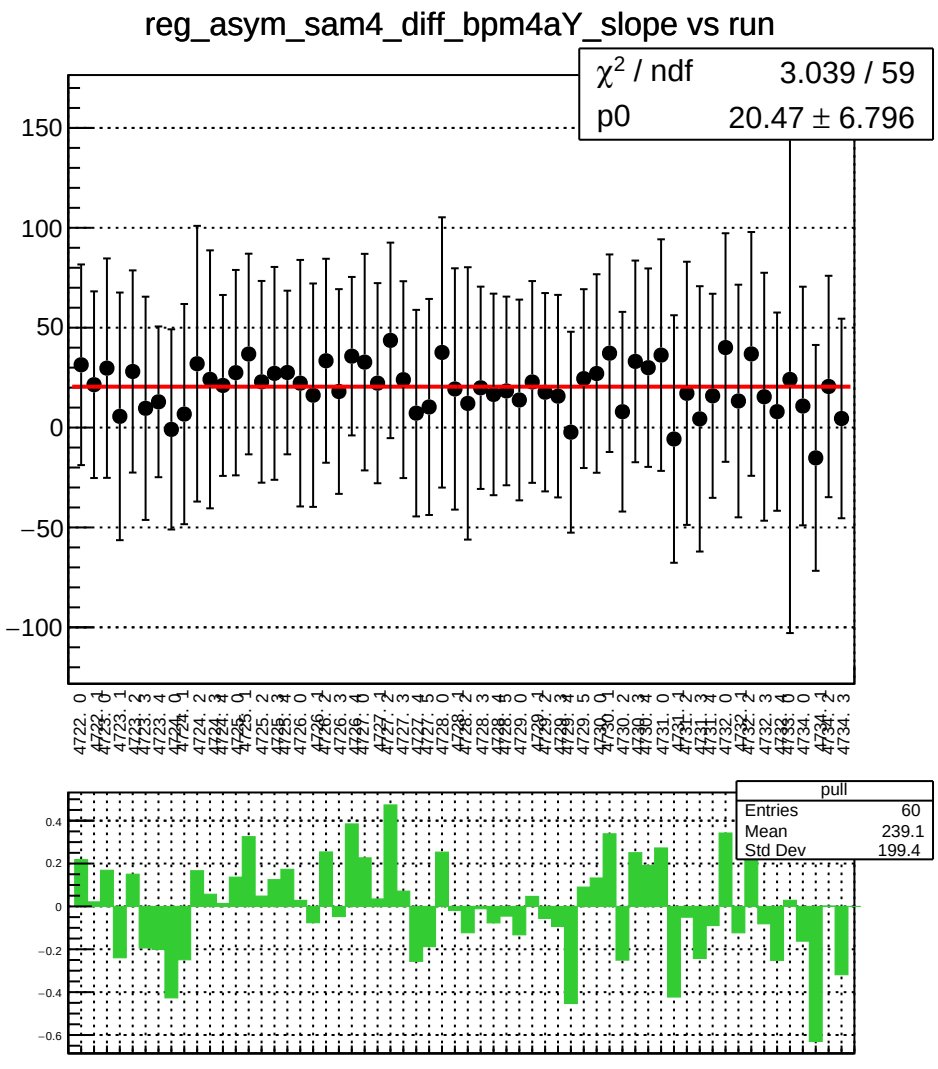

pull1D
Entries 60
Mean −0.004319
Std Dev 0.1211

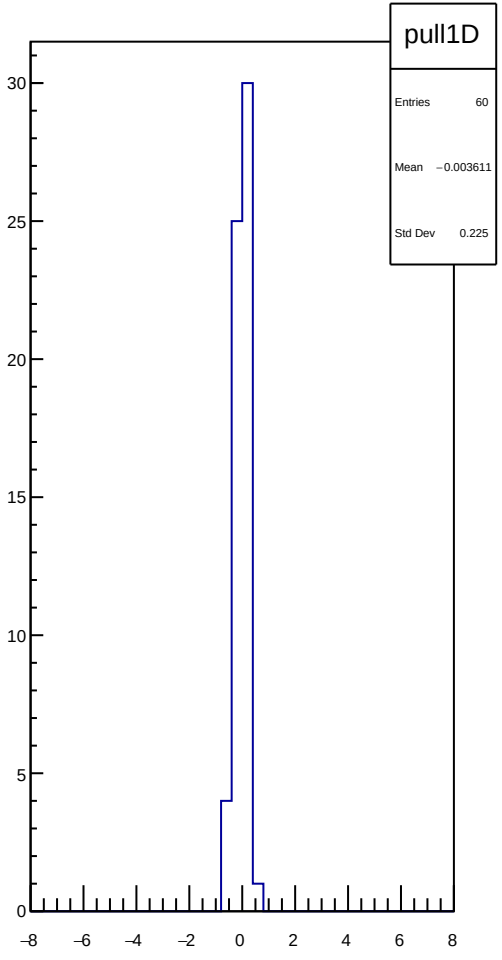

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 1.342 / 59
p0 15.24 ± 2.69
pull
Entries 60
Mean −32.11
Std Dev 51.61

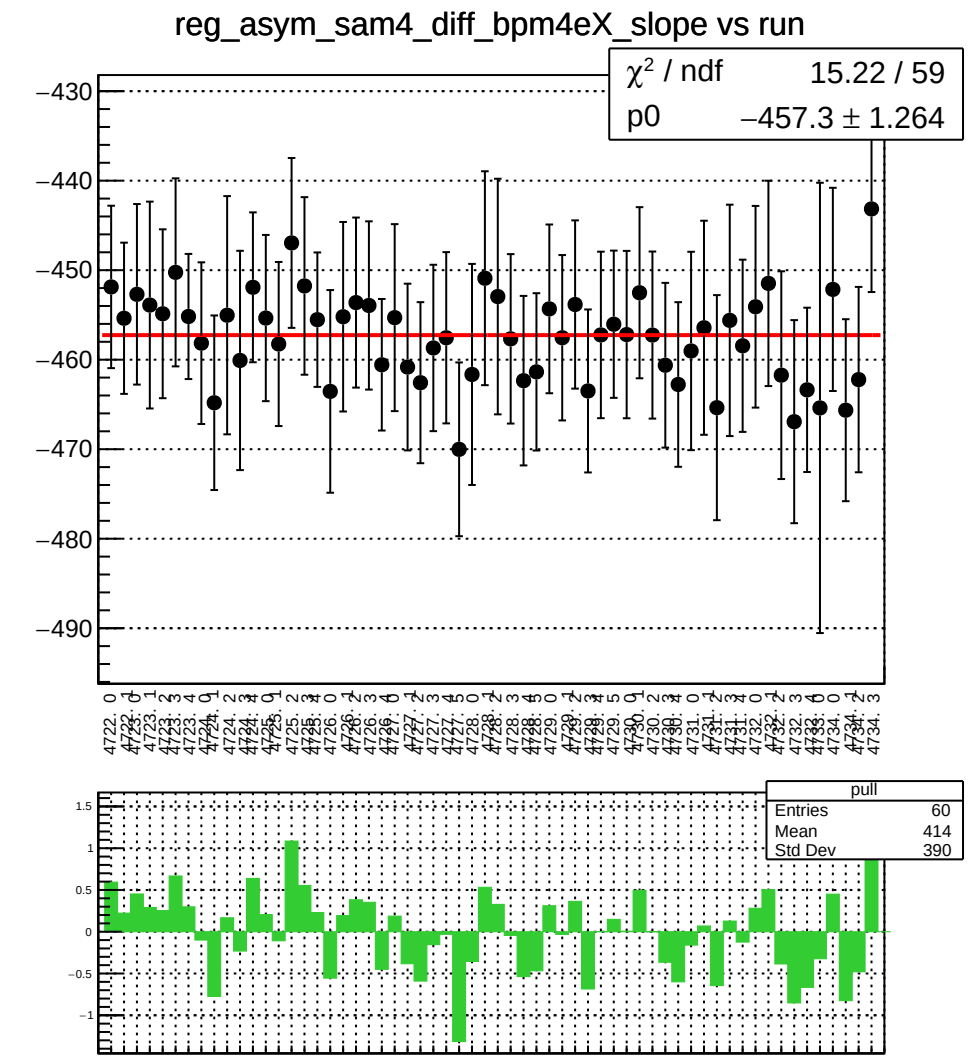

pull1D
Entries 60
Mean 0.008421
Std Dev 0.1493

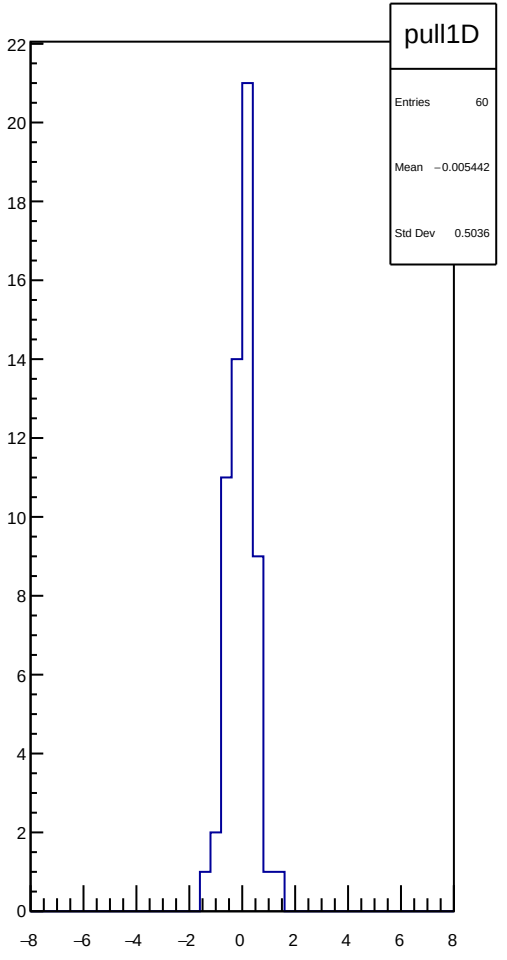

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 19.82 / 59
p0 239.7 ± 7.17
pull
Entries 60
Mean 120.4
Std Dev 91.5

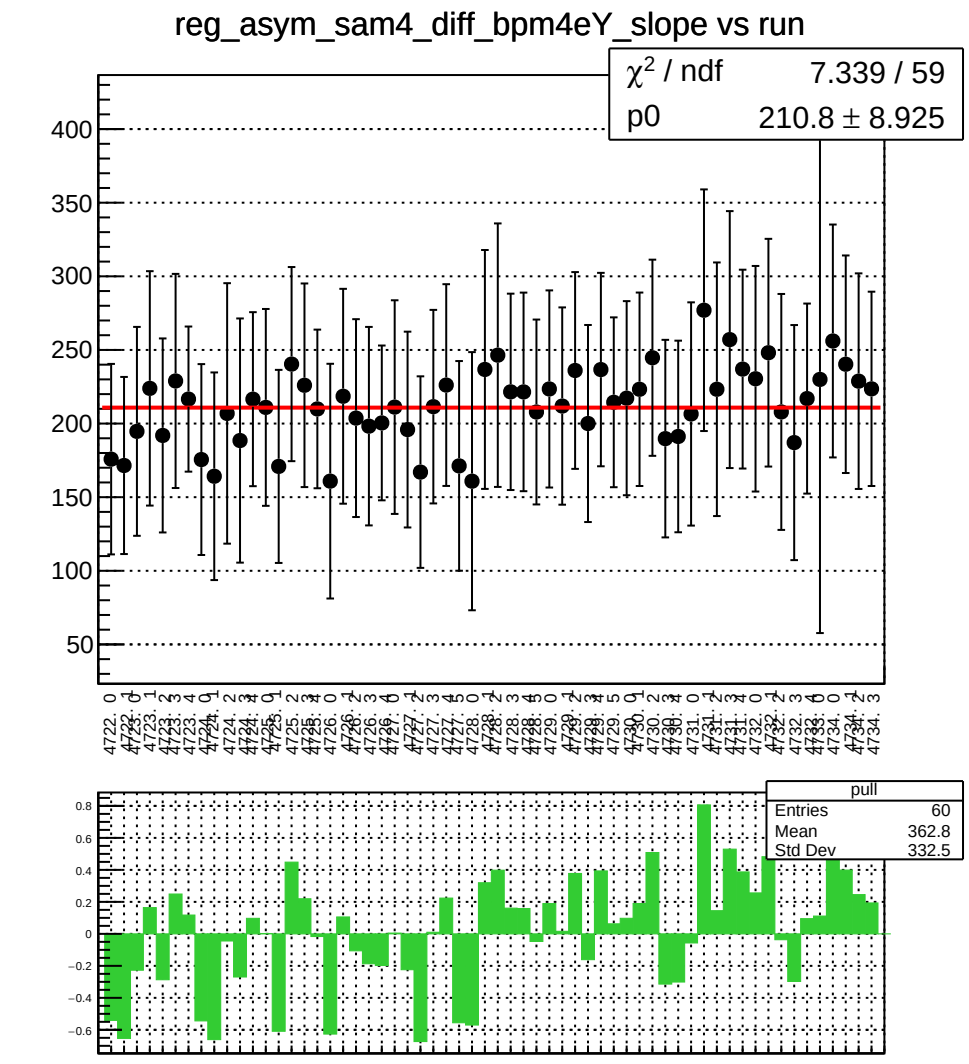

pull1D
Entries 60
Mean −0.02117
Std Dev 0.5744

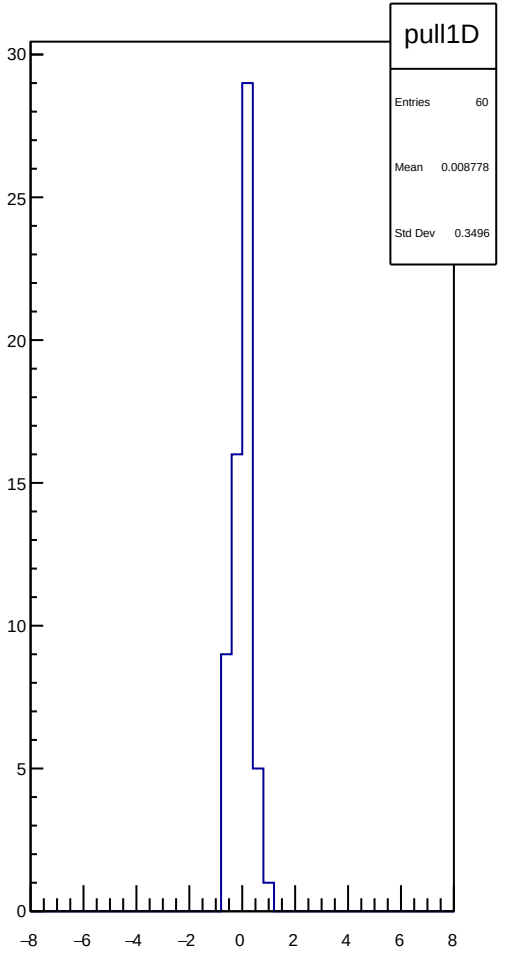

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.039 / 59
p0 20.47 ± 6.796
150
100
50
0
−50
−100
pull
Entries 60
Mean 239.1
Std Dev 199.4
0.4
0.2
0
−0.2
−0.4
−0.6

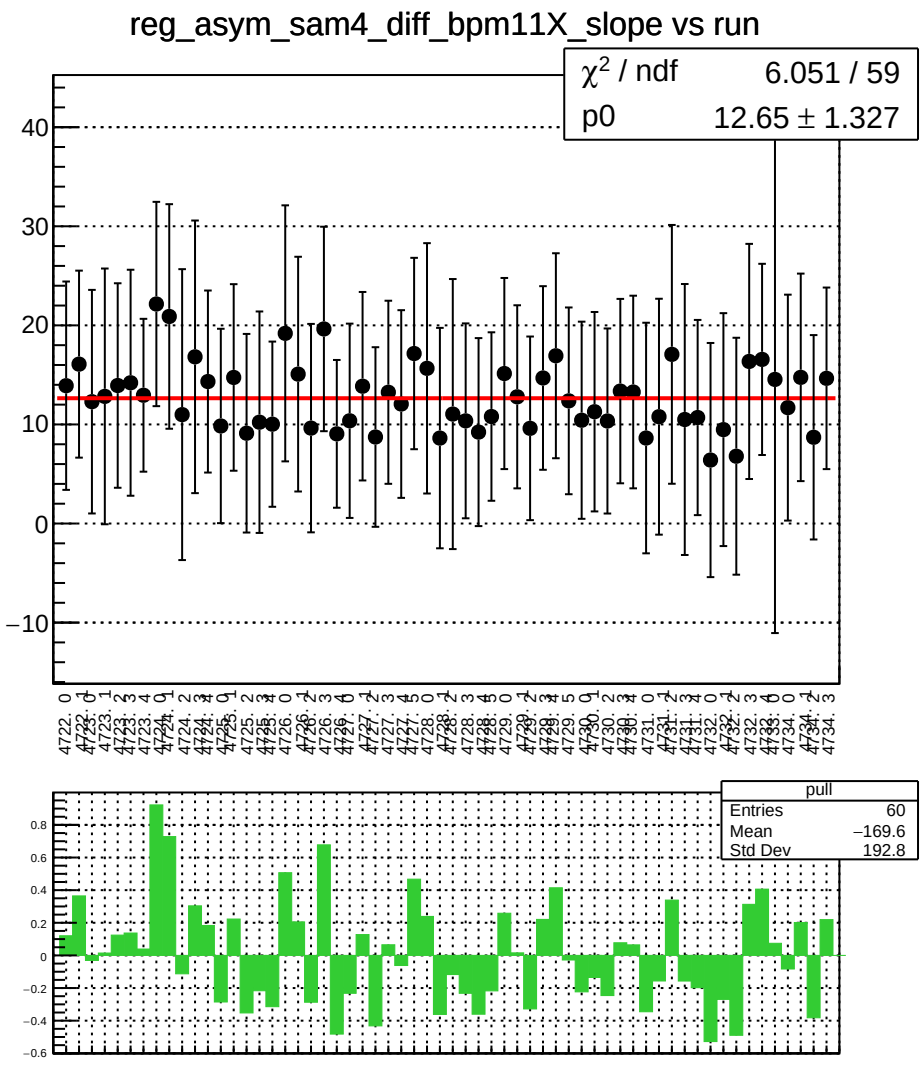

pull1D
Entries 60
Mean −0.003611
Std Dev 0.225
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

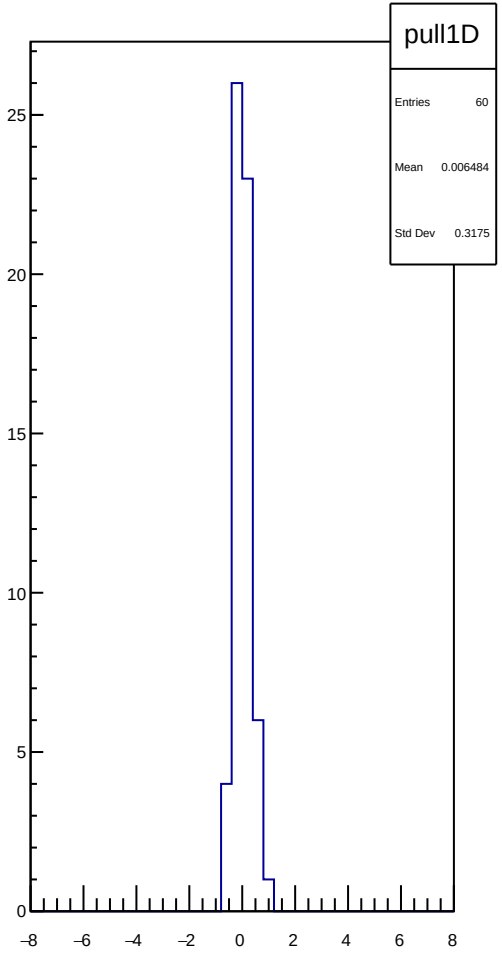

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 15.22 / 59
p0 −457.3 ± 1.264
pull
Entries 60
Mean 414
Std Dev 390

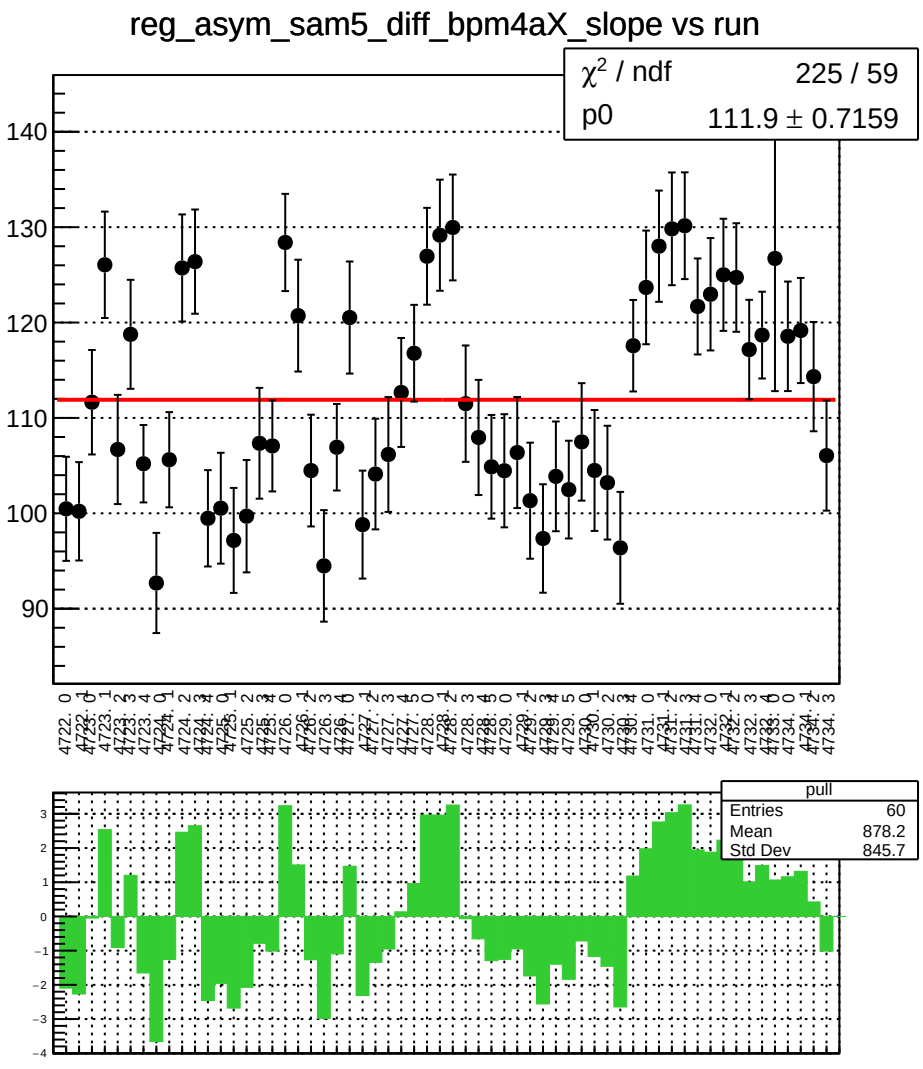

pull1D
Entries 60
Mean −0.005442
Std Dev 0.5036

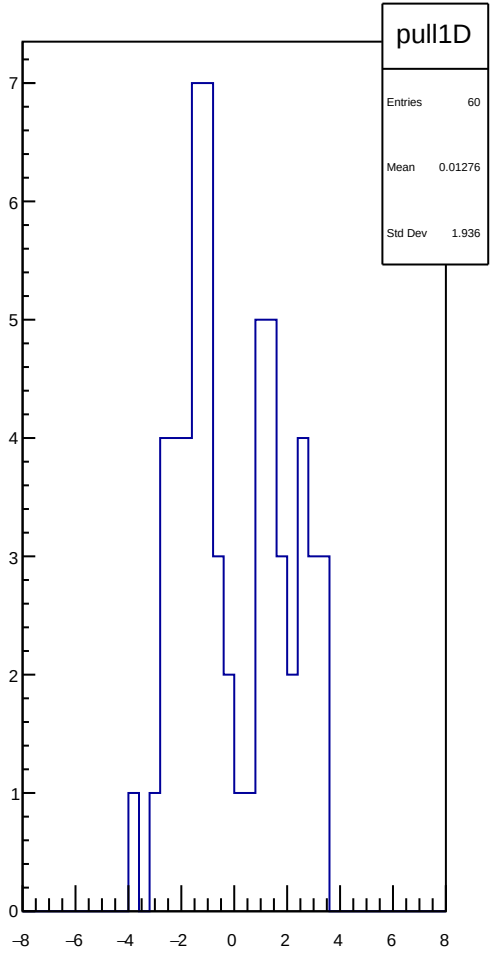

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 7.339 / 59
p0 210.8 ± 8.925
pull
Entries 60
Mean 362.8
Std Dev 332.5

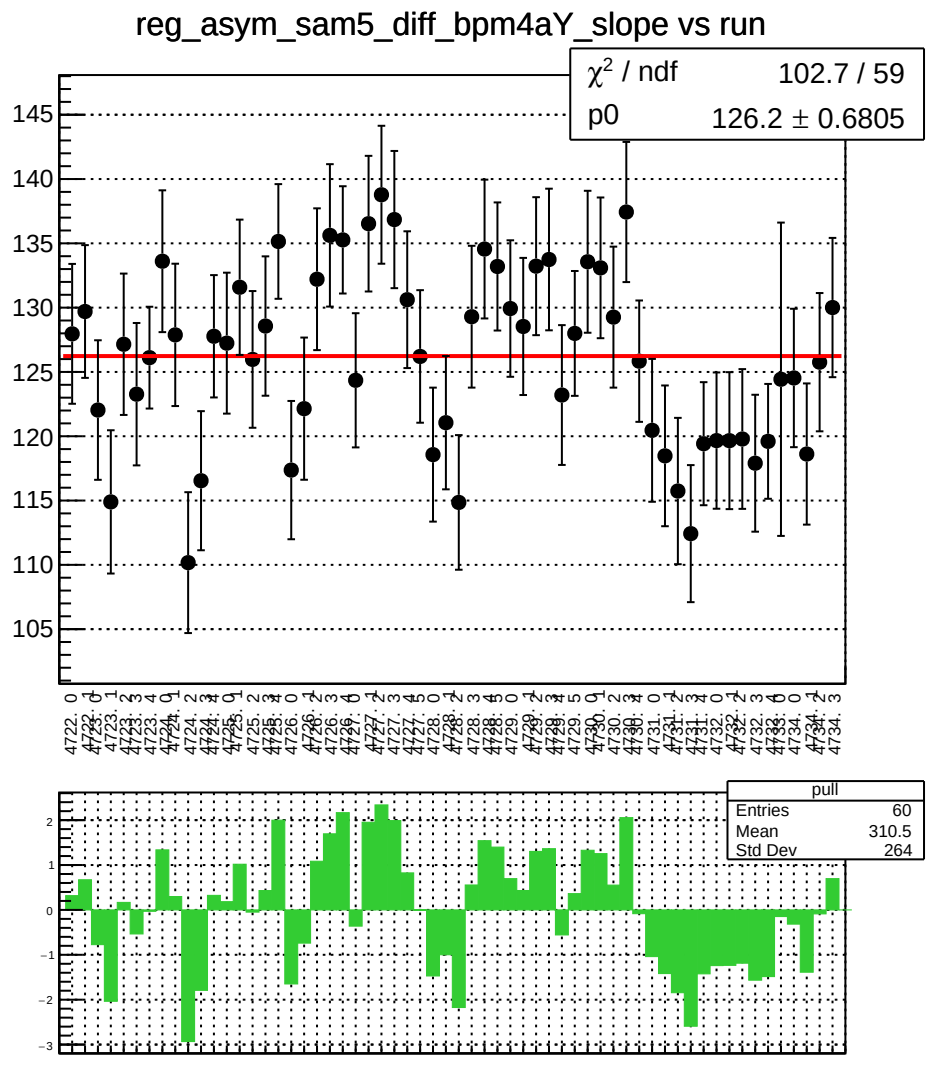

pull1D
Entries 60
Mean 0.008778
Std Dev 0.3496

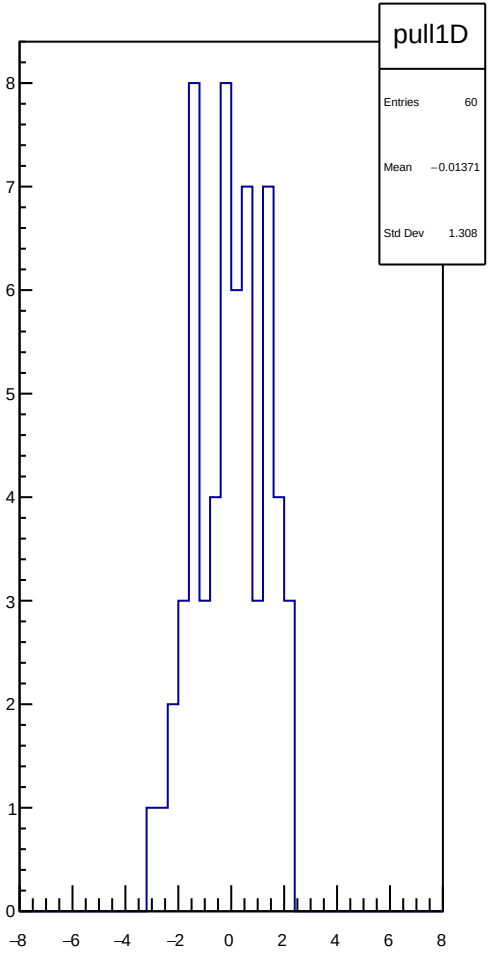

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 6.051 / 59
p0 12.65 ± 1.327
pull
Entries 60
Mean −169.6
Std Dev 192.8

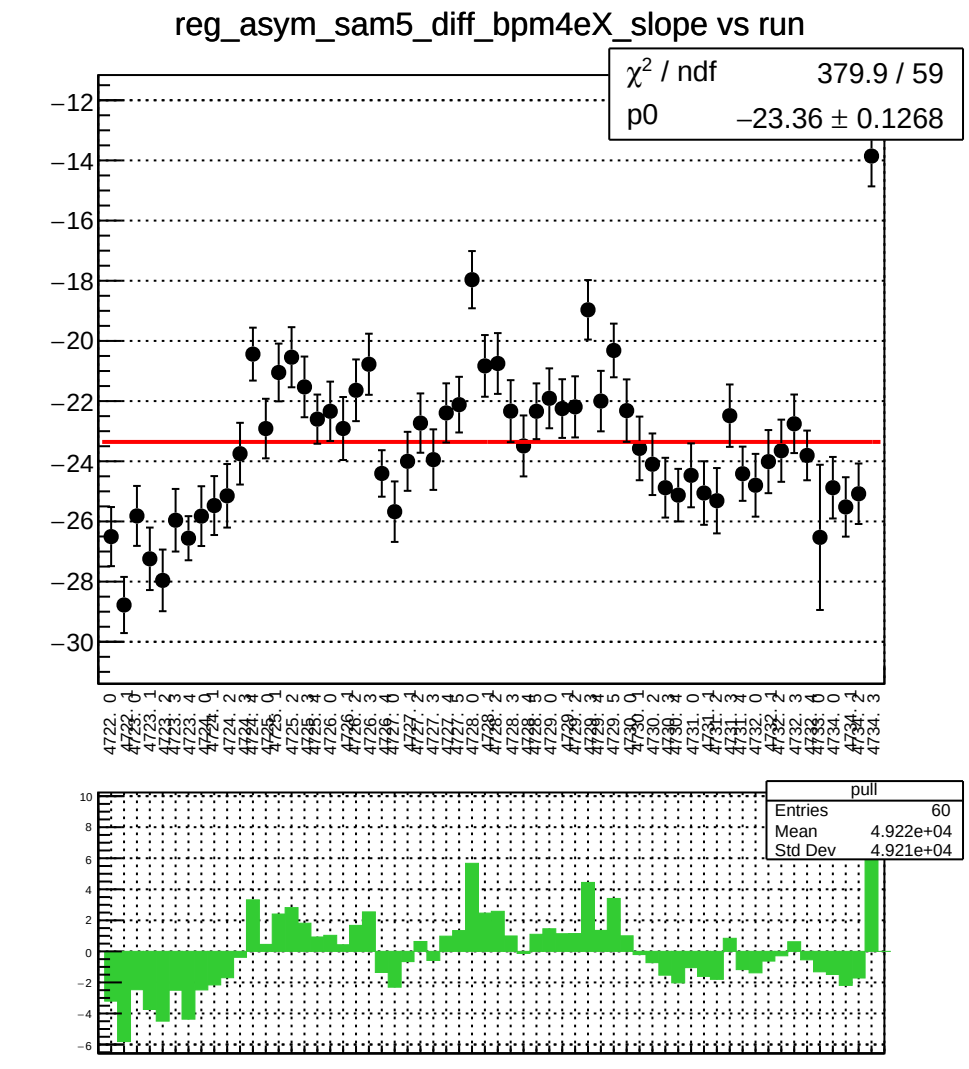

pull1D
Entries 60
Mean 0.006484
Std Dev 0.3175

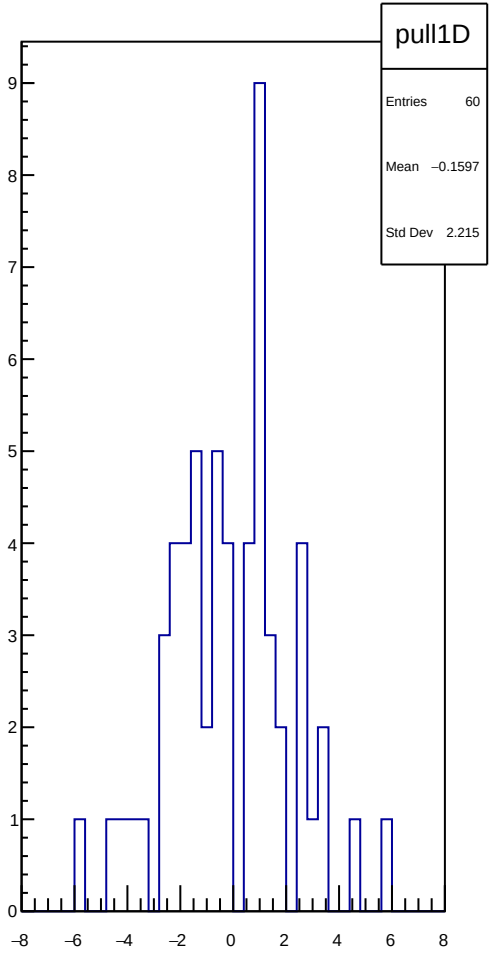

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 225 / 59
p0 111.9 ± 0.7159
pull
Entries 60
Mean 878.2
Std Dev 845.7

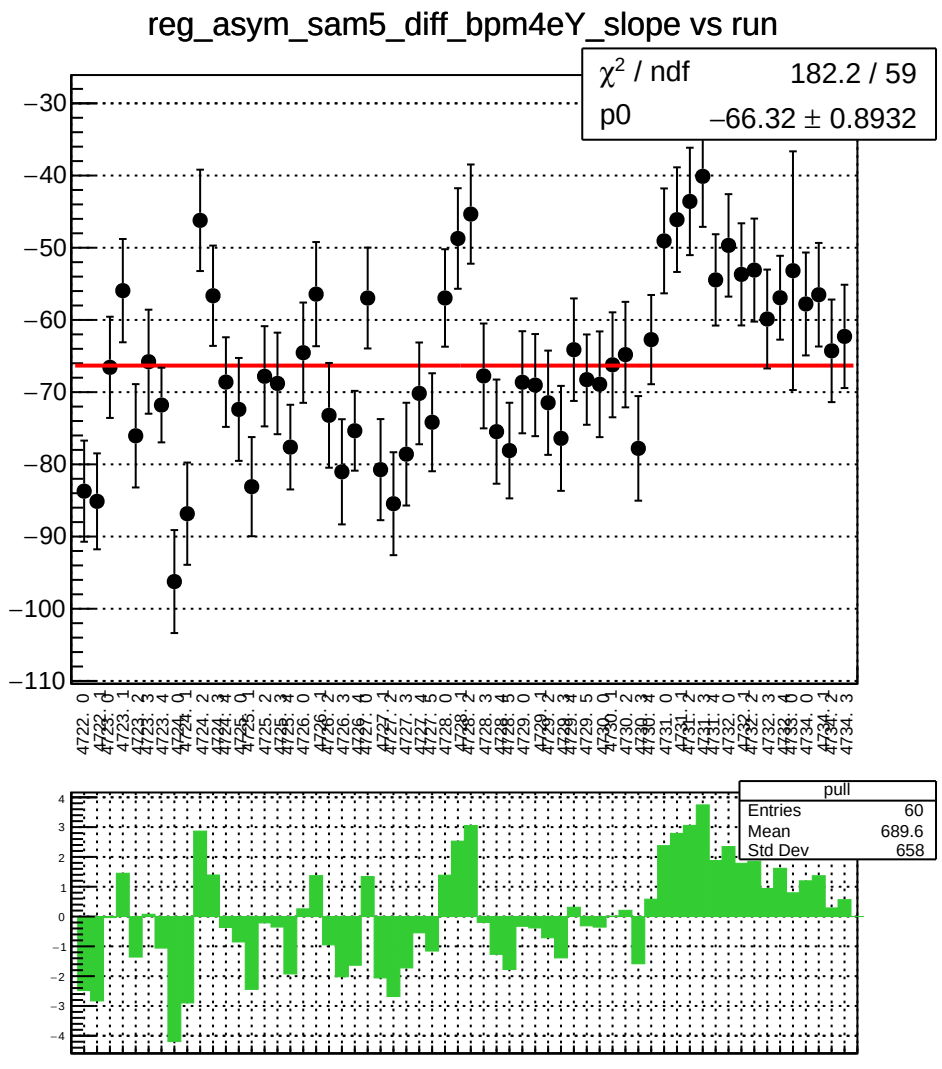

pull1D
Entries 60
Mean 0.01276
Std Dev 1.936

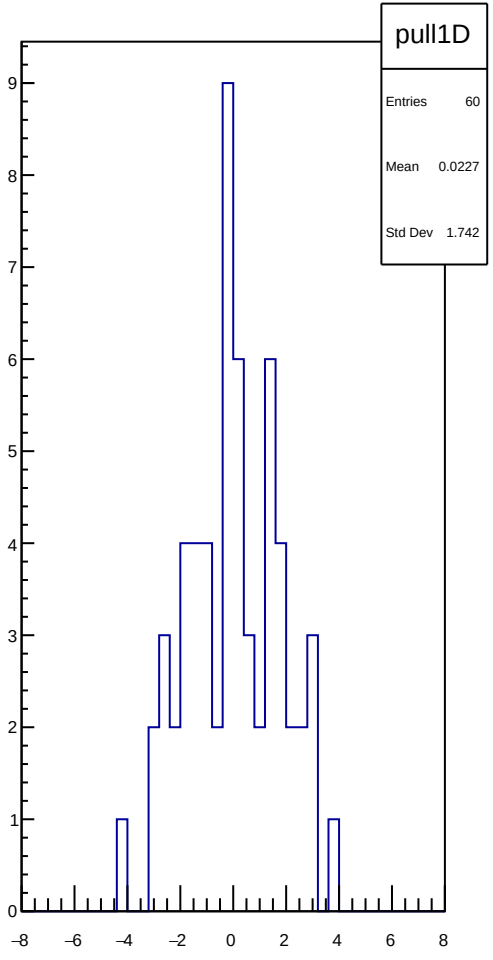

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 102.7 / 59
p0 126.2 ± 0.6805
pull
Entries 60
Mean 310.5
Std Dev 264

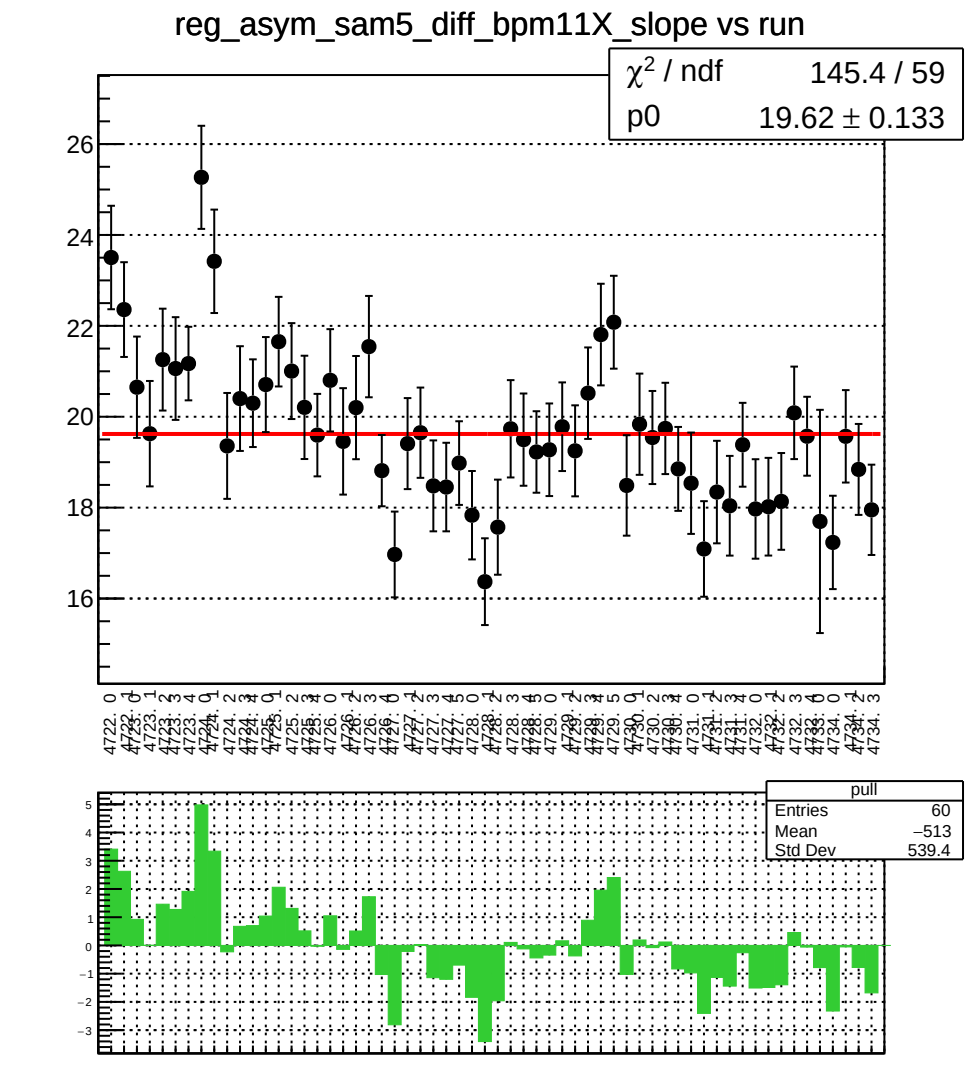

pull1D
Entries 60
Mean −0.01371
Std Dev 1.308

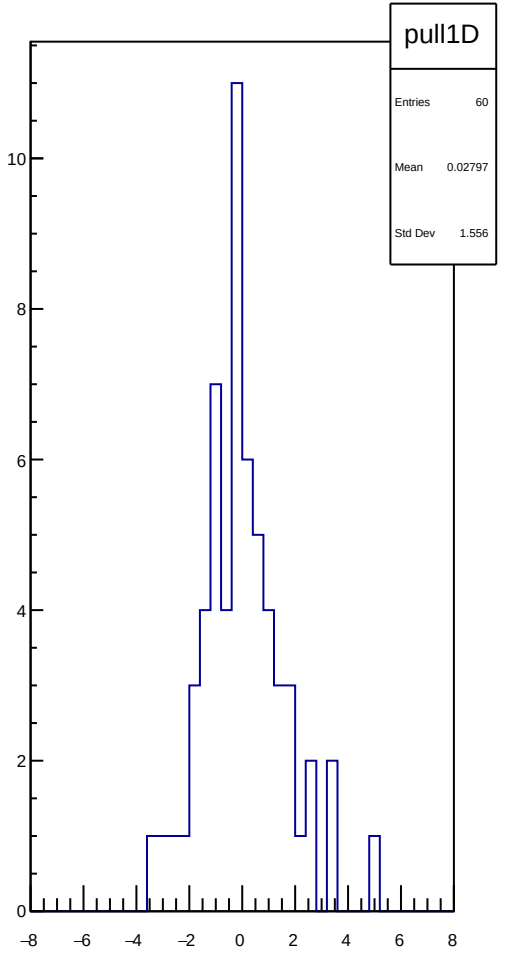

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 379.9 / 59
p0 −23.36 ± 0.1268
pull
Entries 60
Mean 4.922e+04
Std Dev 4.921e+04

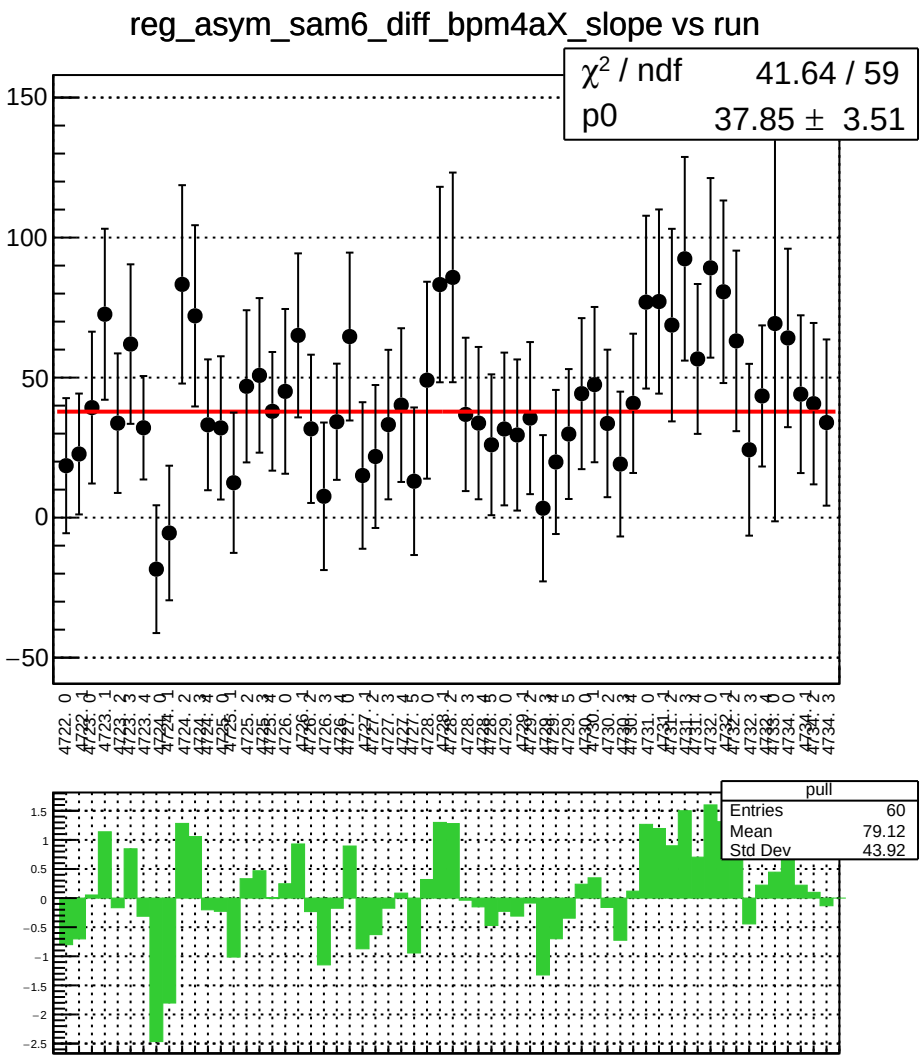

pull1D
Entries 60
Mean −0.1597
Std Dev 2.215

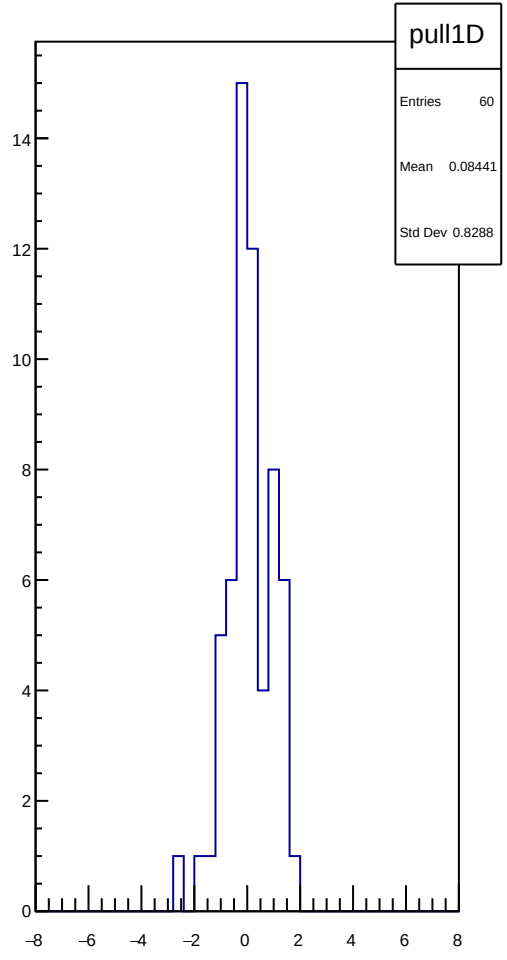

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 182.2 / 59
p0 −66.32 ± 0.8932
pull
Entries 60
Mean 689.6
Std Dev 658

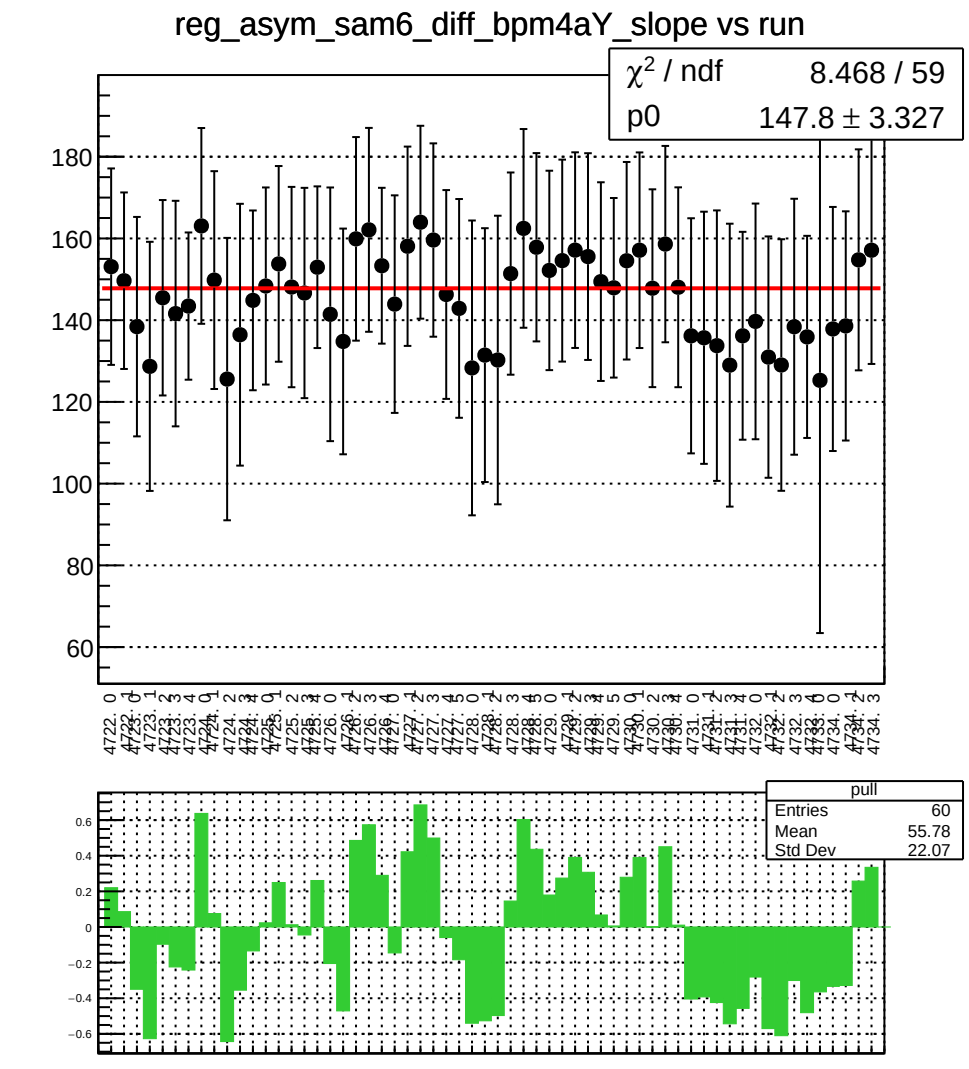

pull1D
Entries 60
Mean 0.0227
Std Dev 1.742

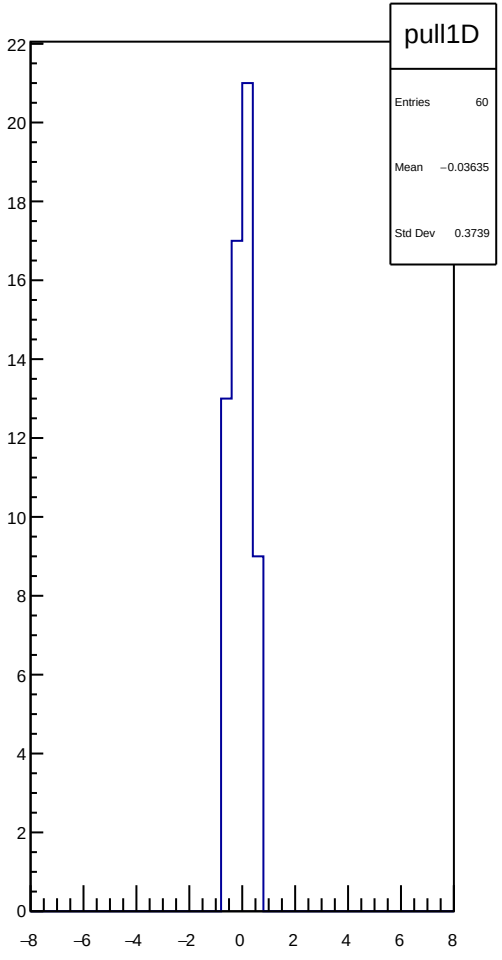

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 145.4 / 59
p0 19.62 ± 0.133
pull
Entries 60
Mean −513
Std Dev 539.4

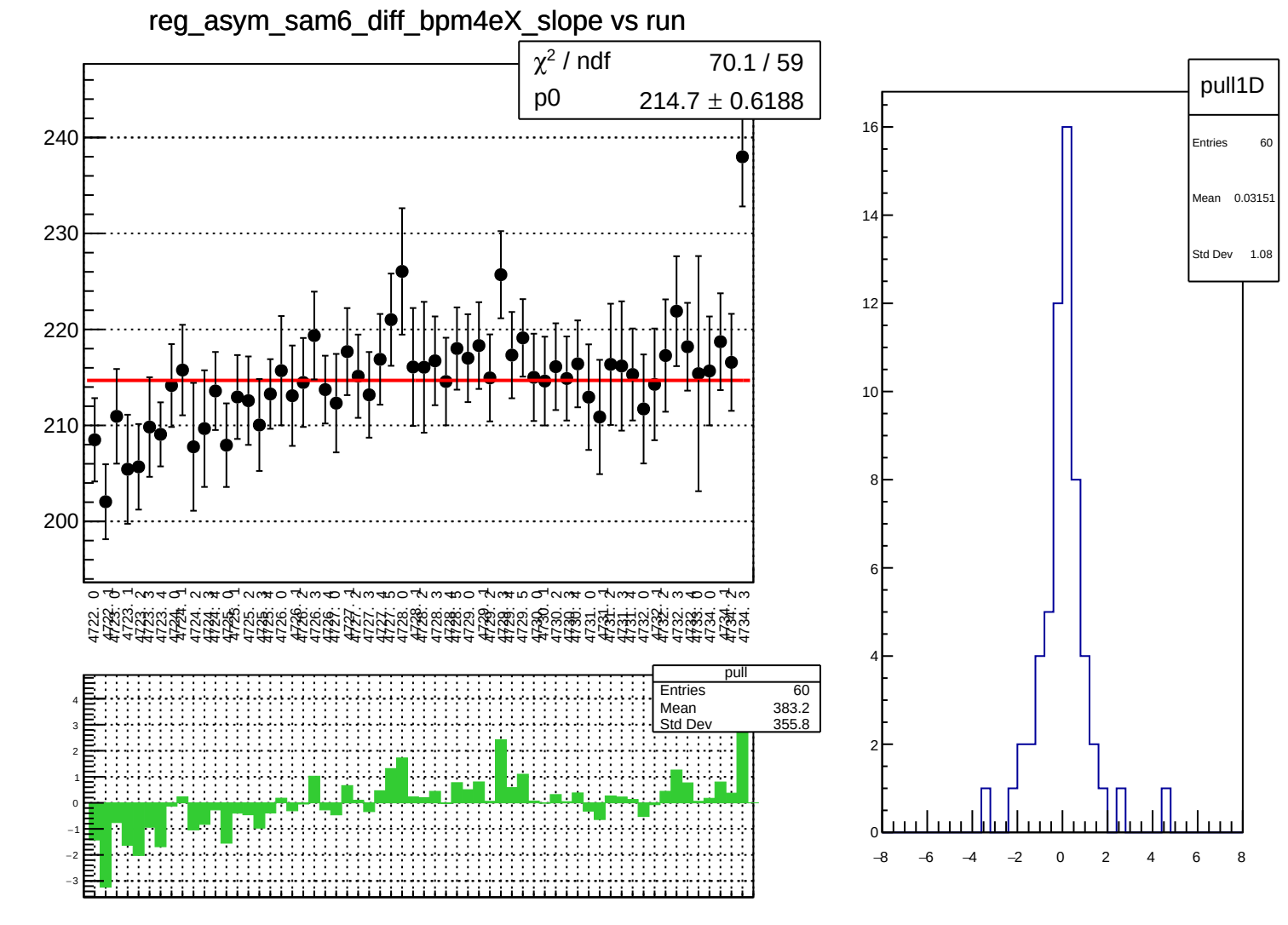

pull1D
Entries 60
Mean 0.02797
Std Dev 1.556

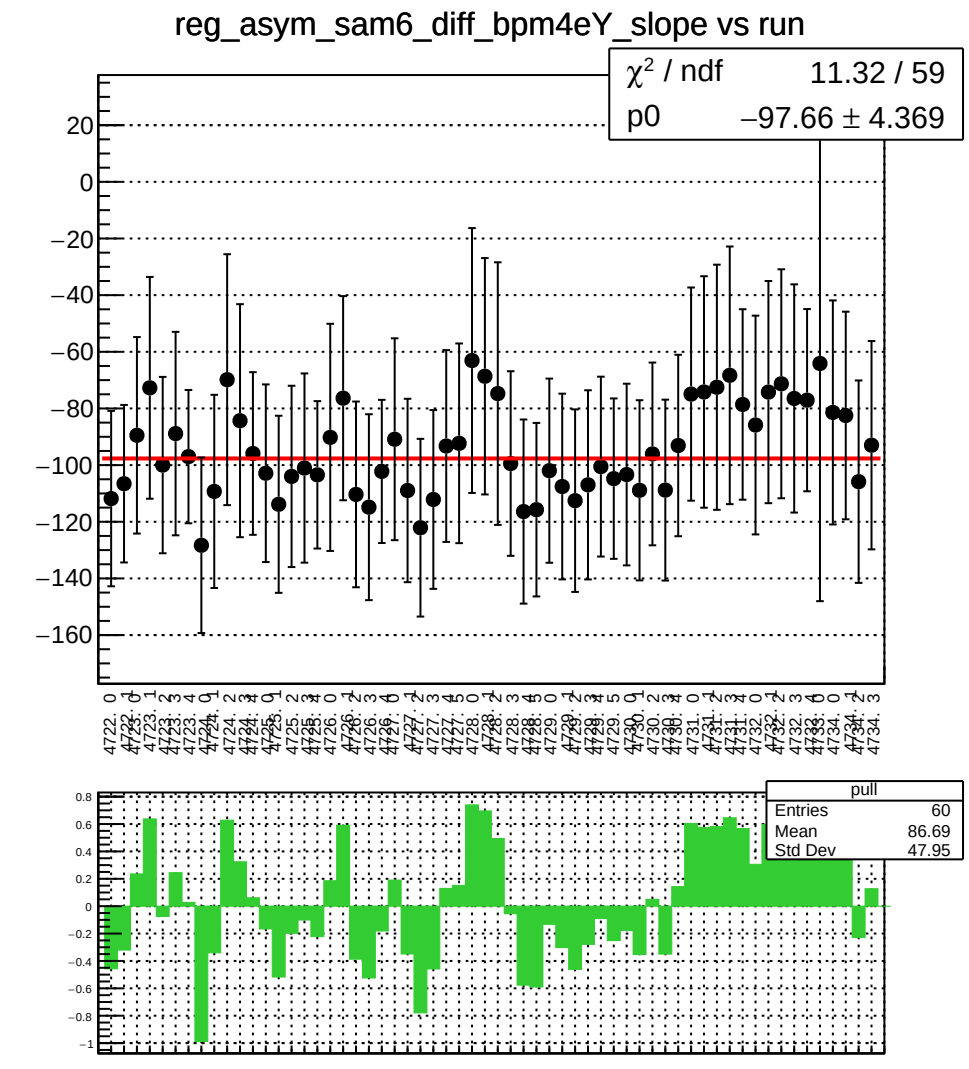

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 41.64 / 59
p0 37.85 ± 3.51
150
100
50
0
−50
pull
Entries 60
Mean 79.12
Std Dev 43.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

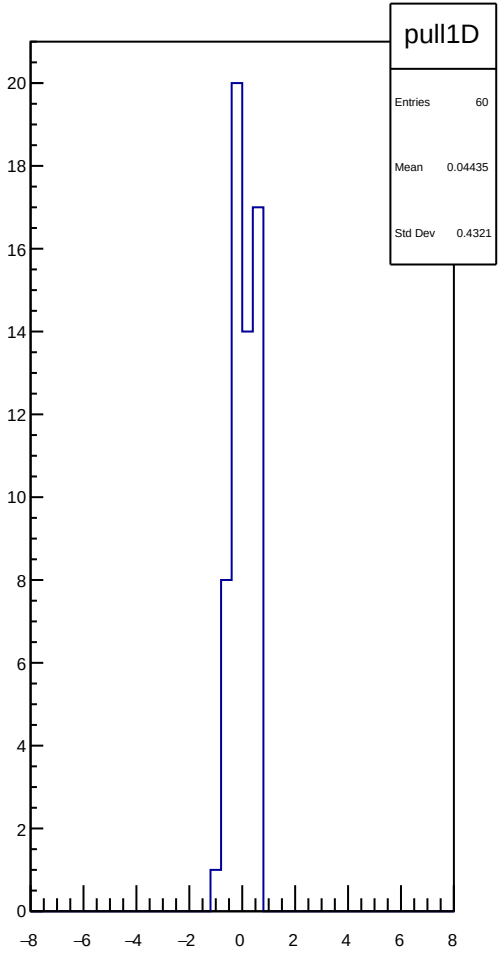

pull1D
Entries 60
Mean 0.08441
Std Dev 0.8288
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

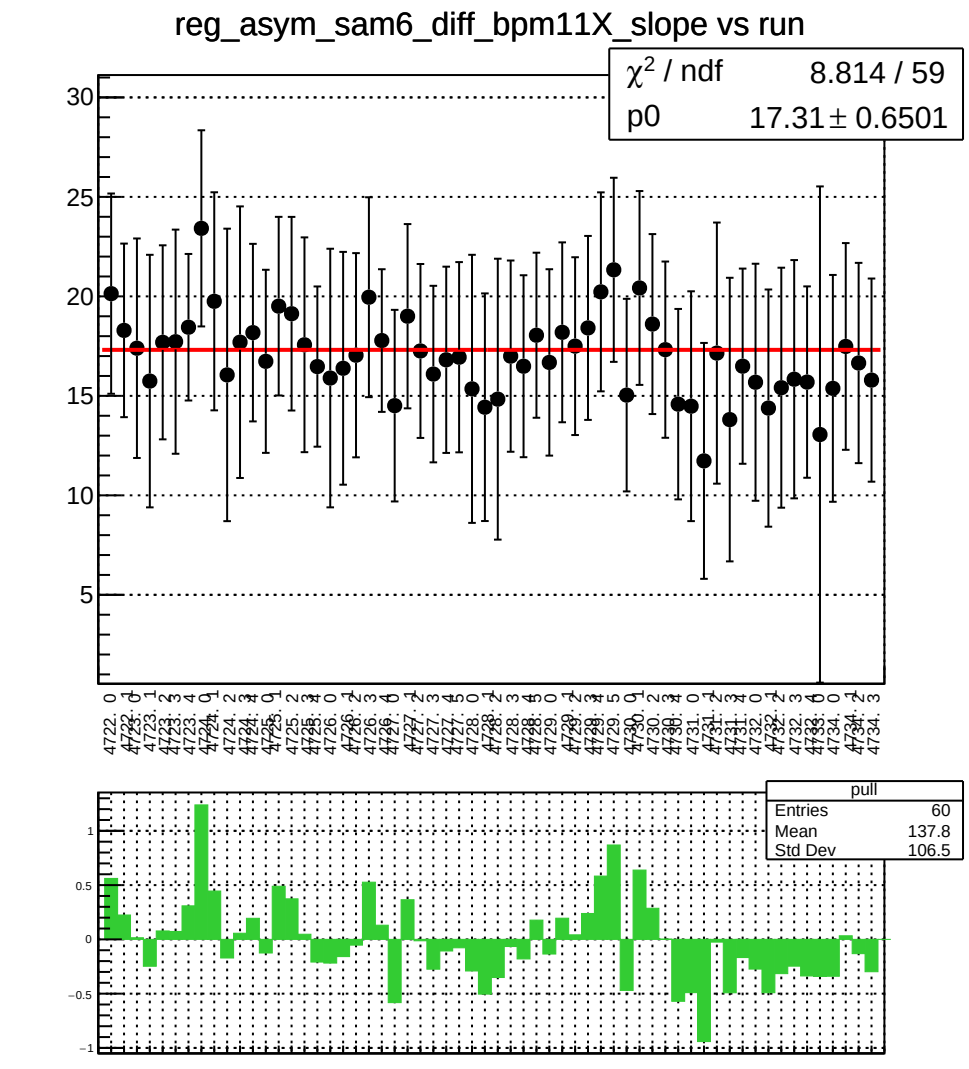

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.468 / 59
p0 147.8 ± 3.327
pull
Entries 60
Mean 55.78
Std Dev 22.07

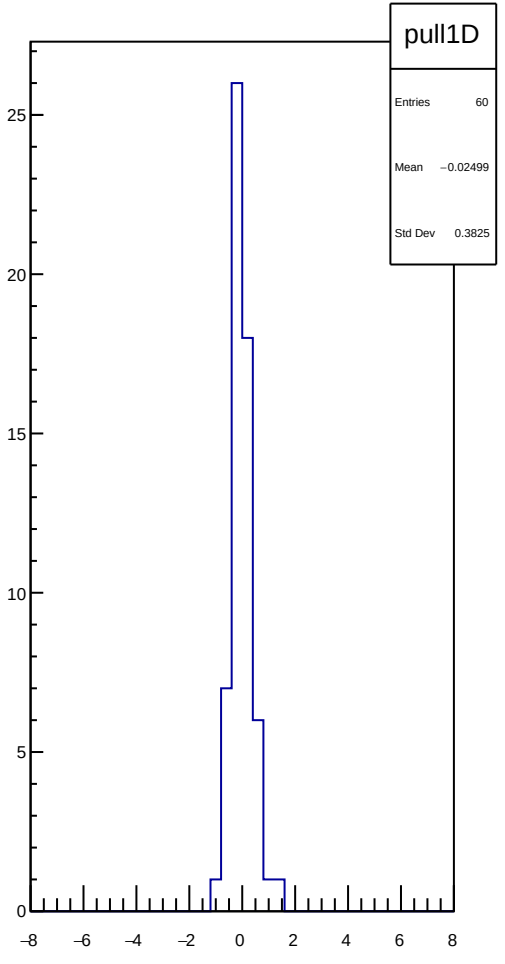

pull1D
Entries 60
Mean −0.03635
Std Dev 0.3739

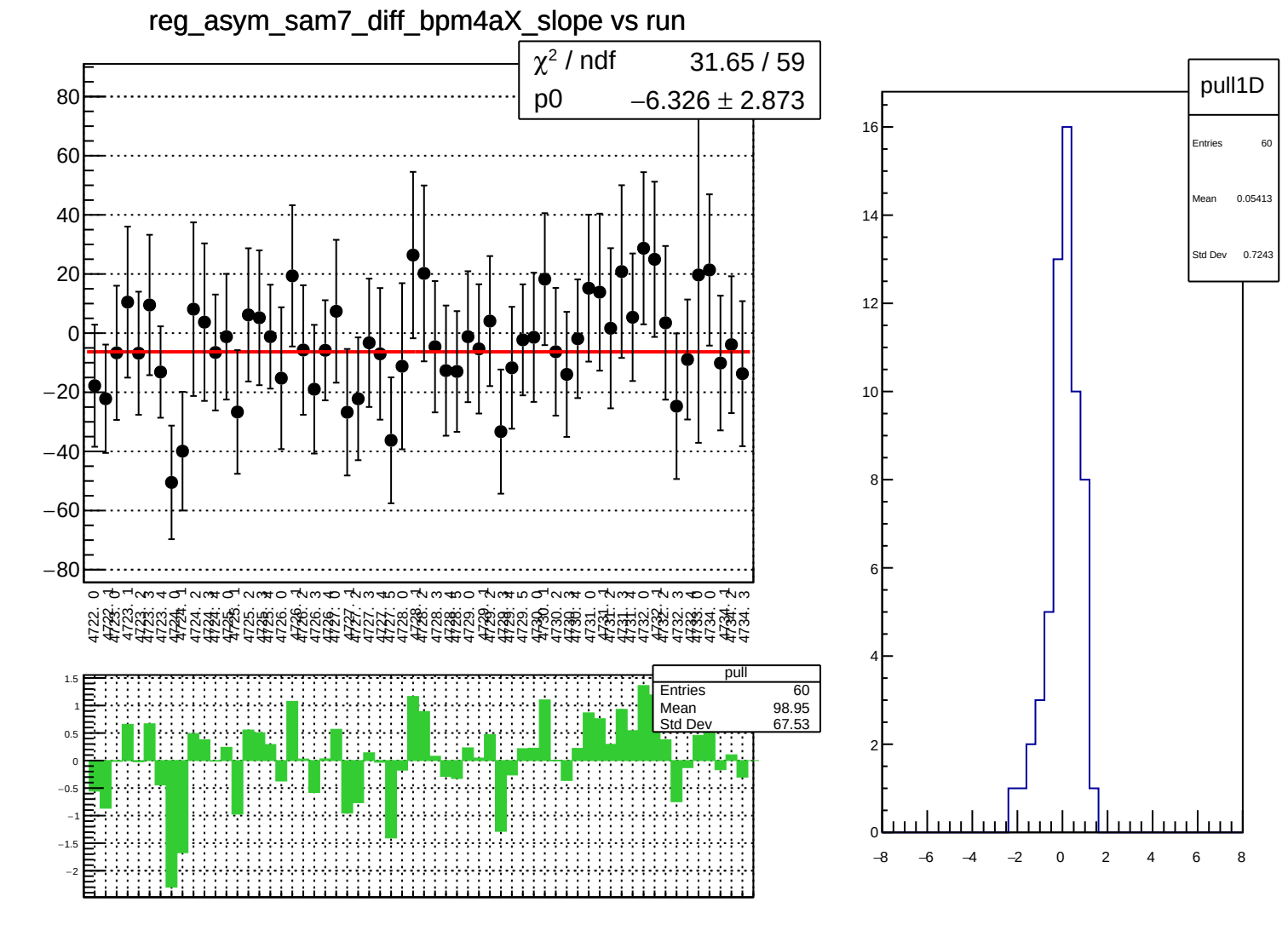

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 70.1 / 59
p0 214.7 ± 0.6188
240
230
220
210
200
pull
Entries 60
Mean 383.2
Std Dev 355.8
pull1D
Entries 60
Mean 0.03151
Std Dev 1.08

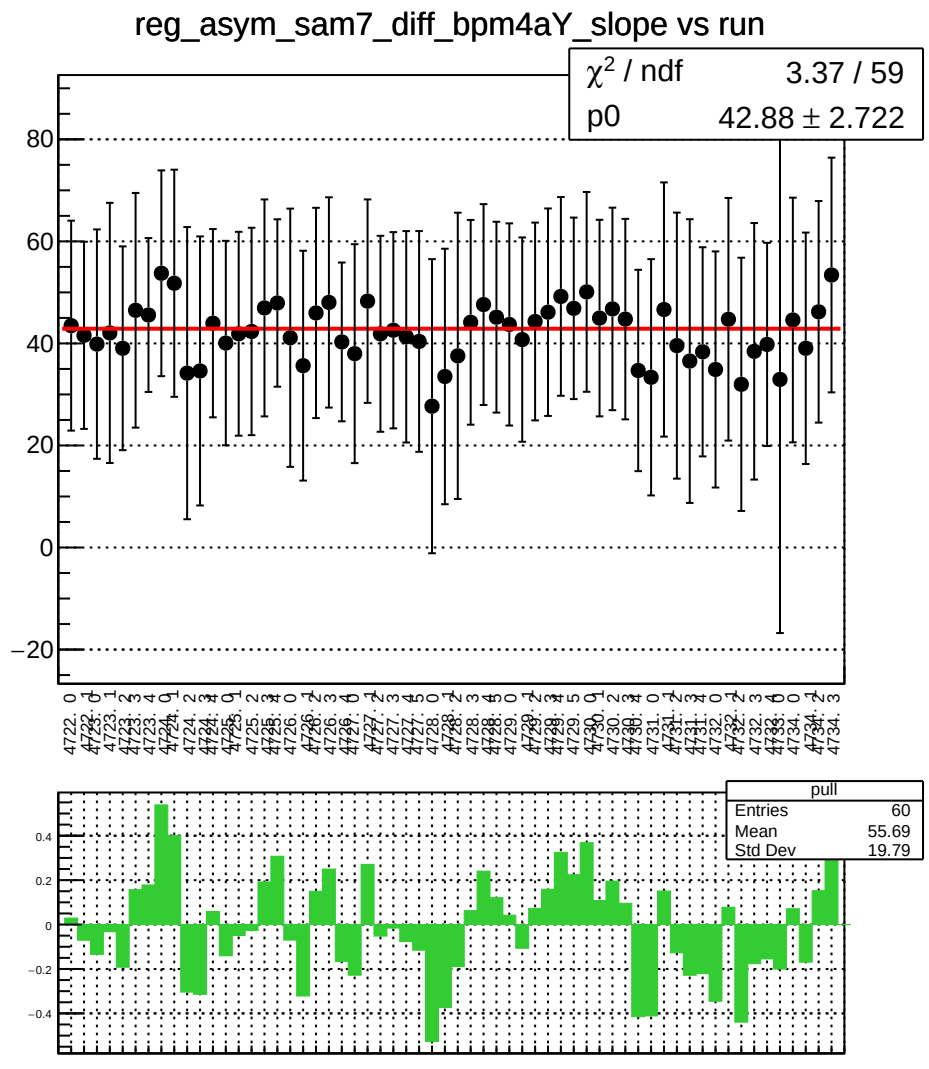

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 11.32 / 59
p0 −97.66 ± 4.369
pull
Entries 60
Mean 86.69
Std Dev 47.95

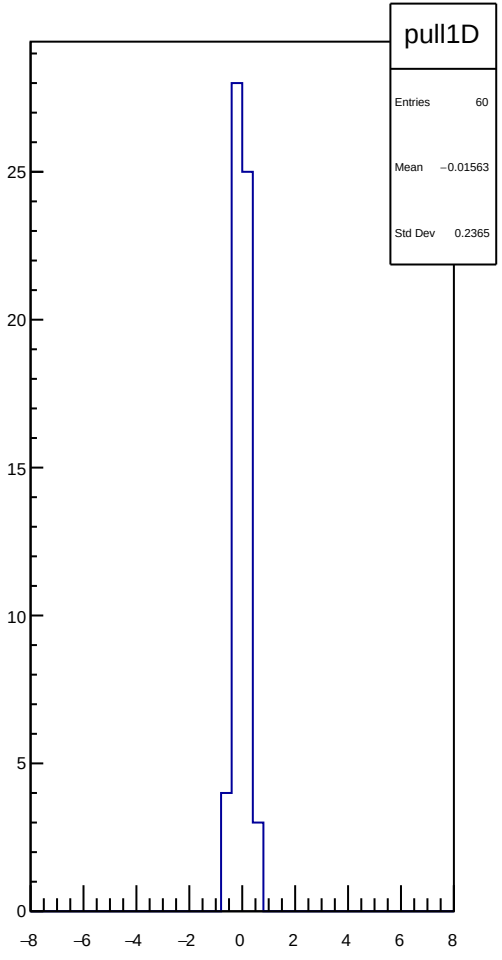

pull1D
Entries 60
Mean 0.04435
Std Dev 0.4321

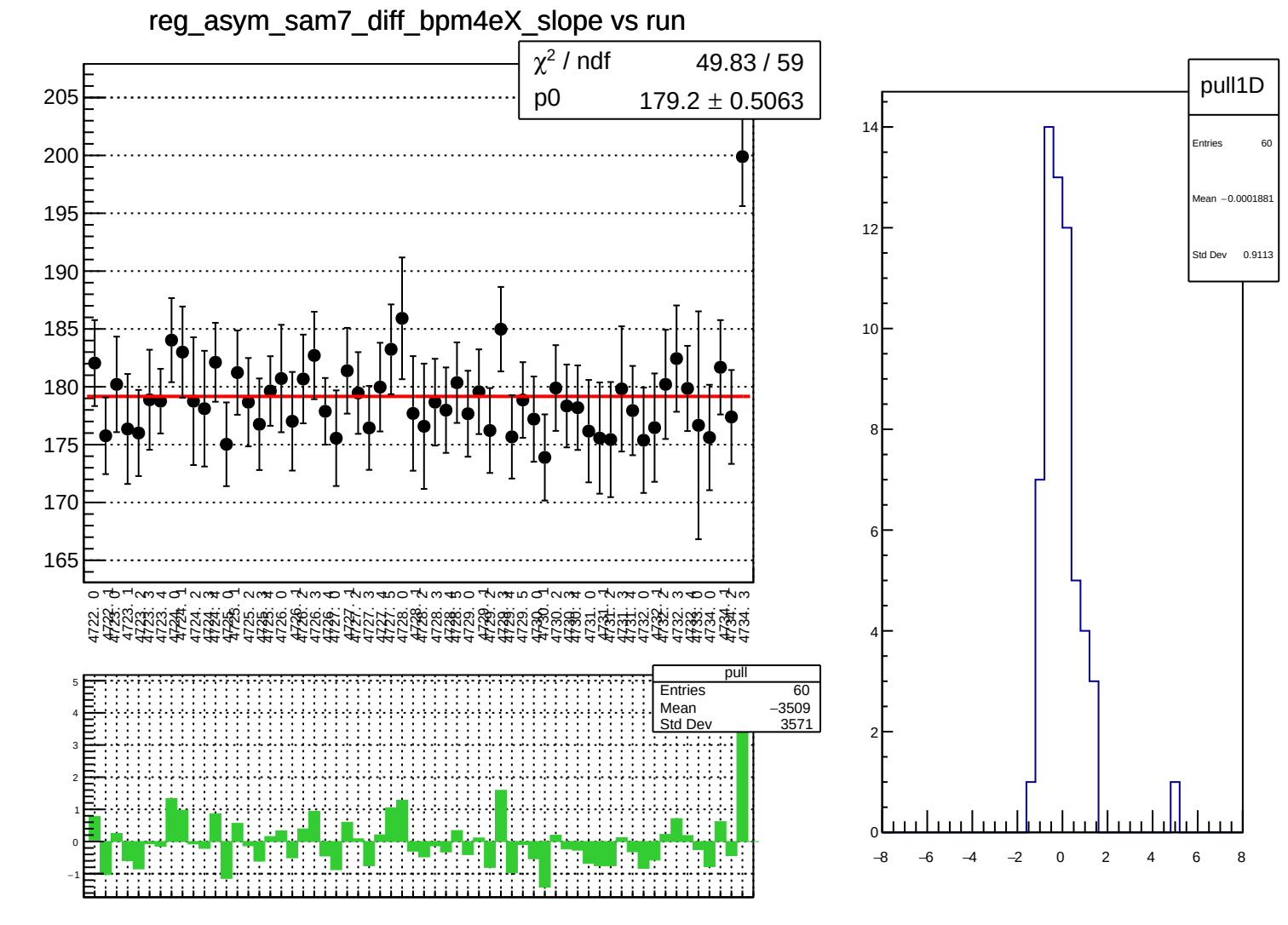

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 8.814 / 59
p0 17.31 ± 0.6501
pull
Entries 60
Mean 137.8
Std Dev 106.5

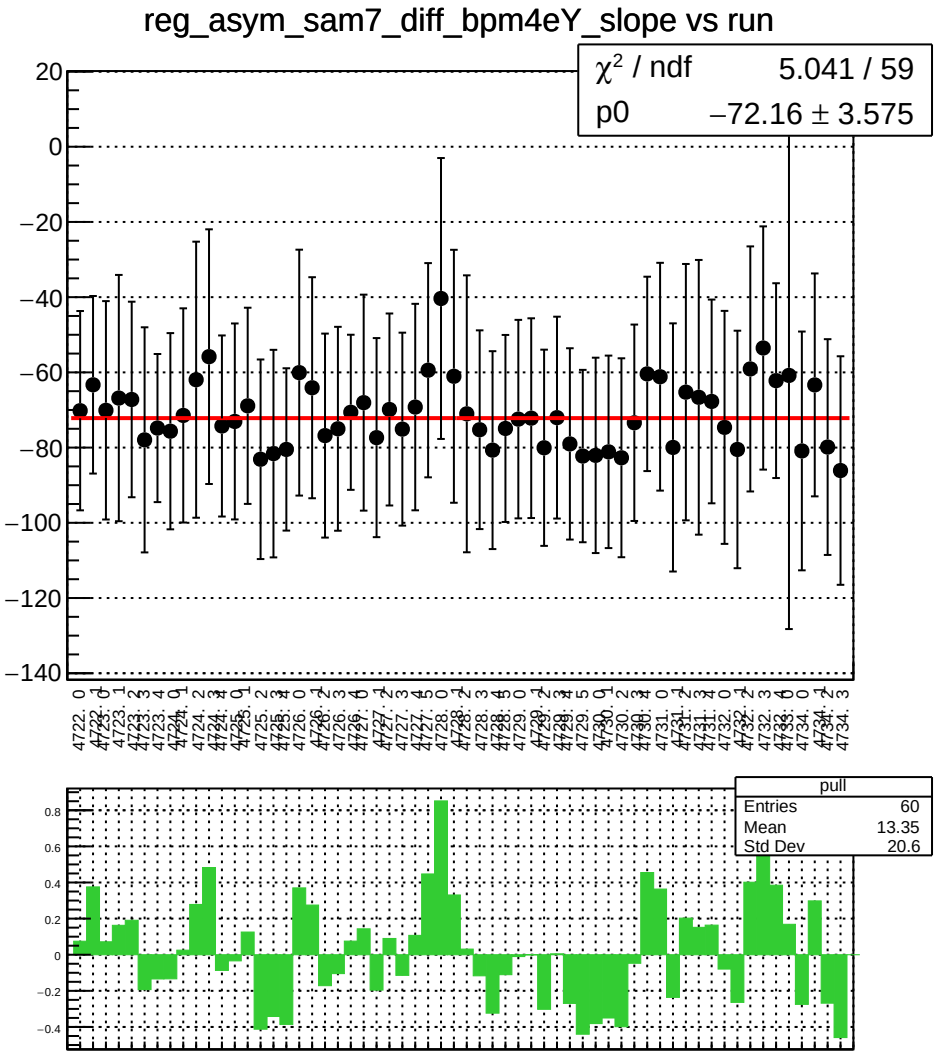

pull1D
Entries 60
Mean −0.02499
Std Dev 0.3825

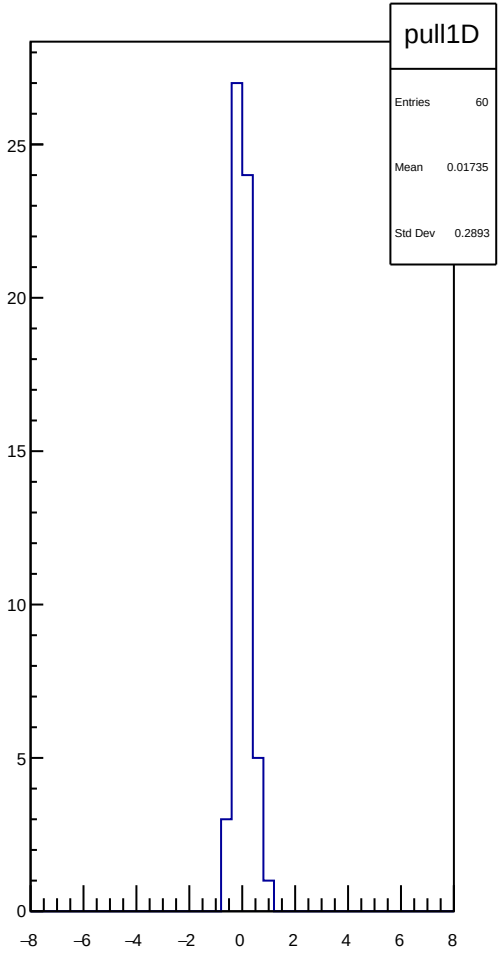

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 31.65 / 59
p0 −6.326 ± 2.873
pull
Entries 60
Mean 98.95
Std Dev 67.53
pull1D
Entries 60
Mean 0.05413
Std Dev 0.7243

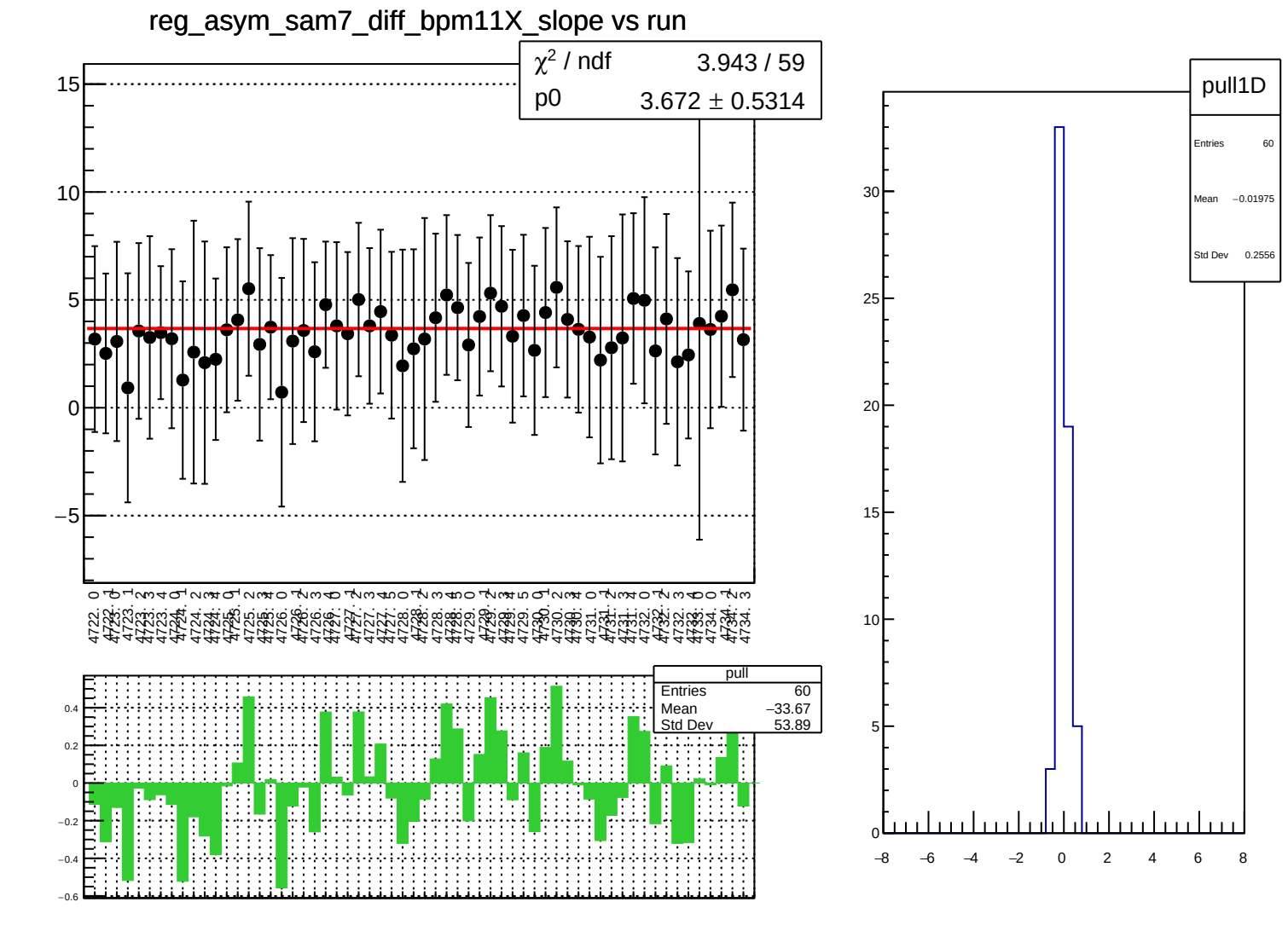

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.37 / 59
p0 42.88 ± 2.722
pull
Entries 60
Mean 55.69
Std Dev 19.79

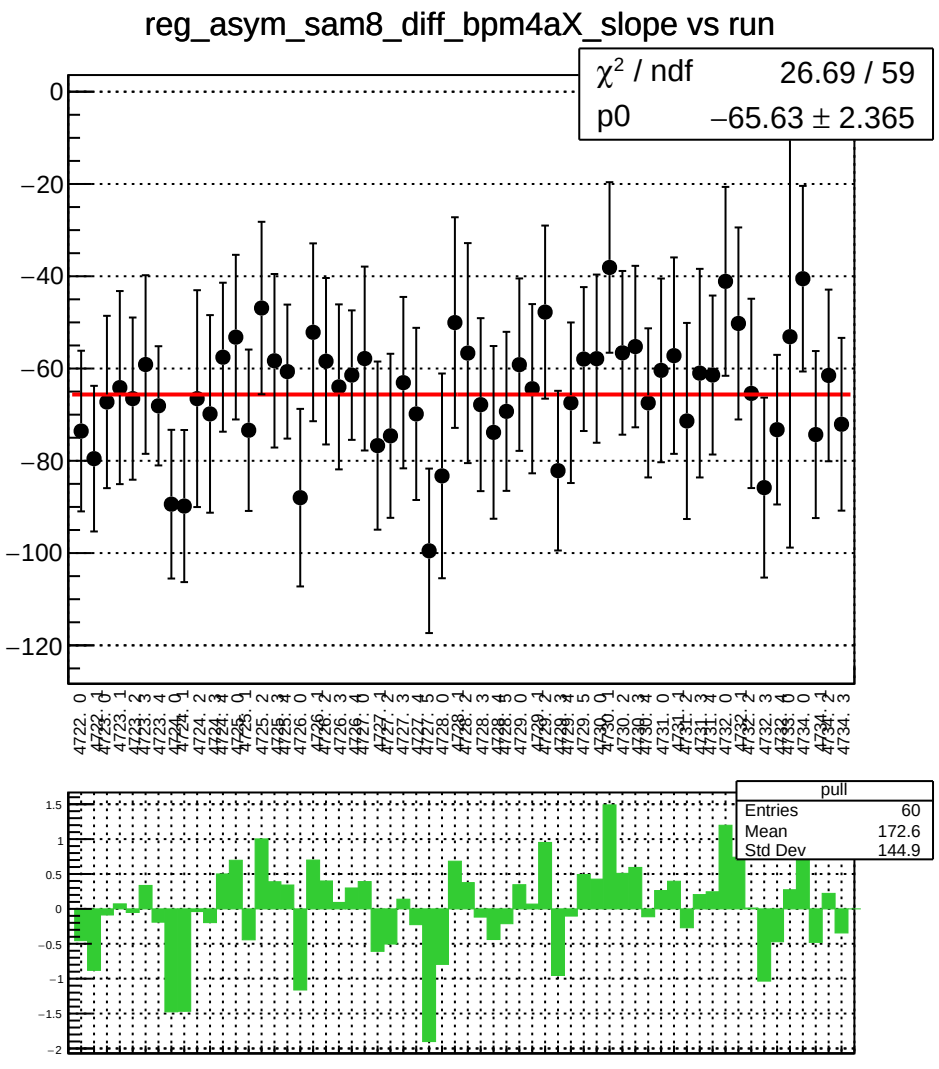

pull1D
Entries 60
Mean −0.01563
Std Dev 0.2365

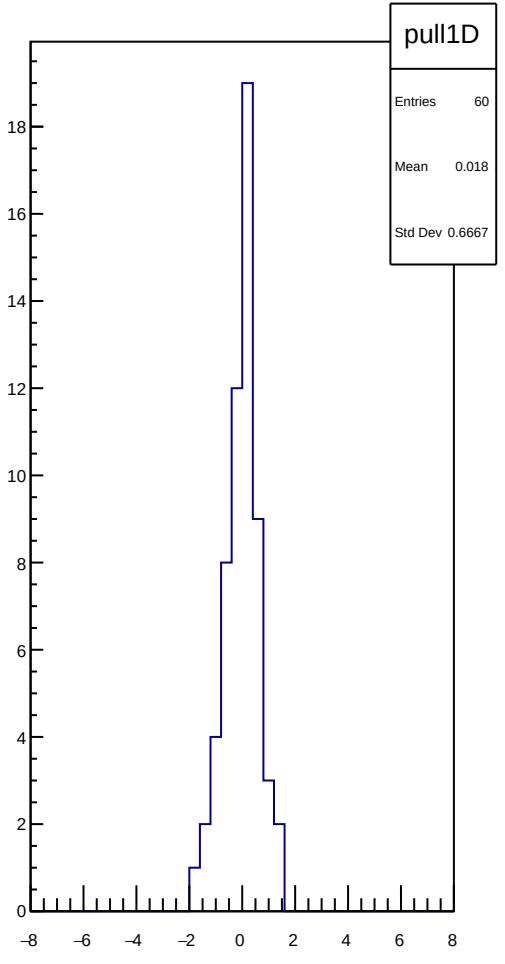

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 49.83 / 59
p0 179.2 ± 0.5063
pull
Entries 60
Mean −3509
Std Dev 3571
pull1D
Entries 60
Mean −0.0001881
Std Dev 0.9113

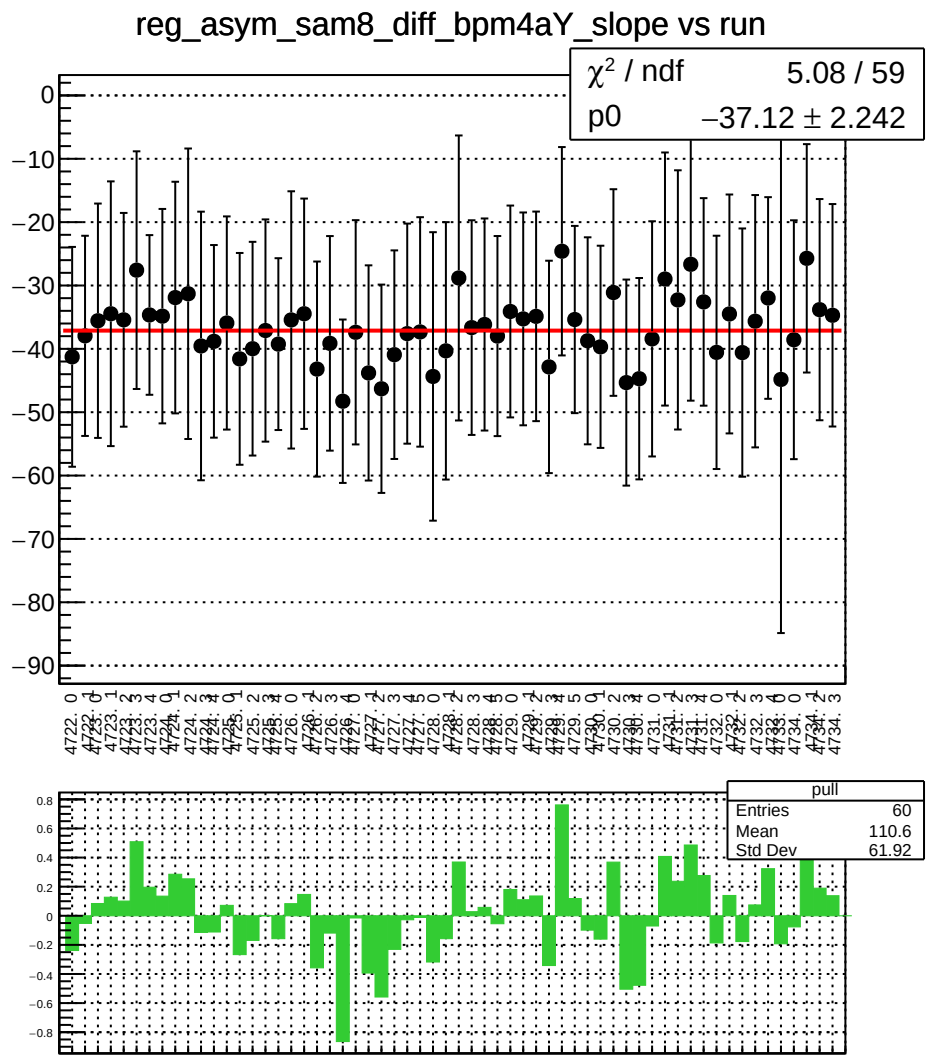

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 5.041 / 59
p0 −72.16 ± 3.575
pull
Entries 60
Mean 13.35
Std Dev 20.6

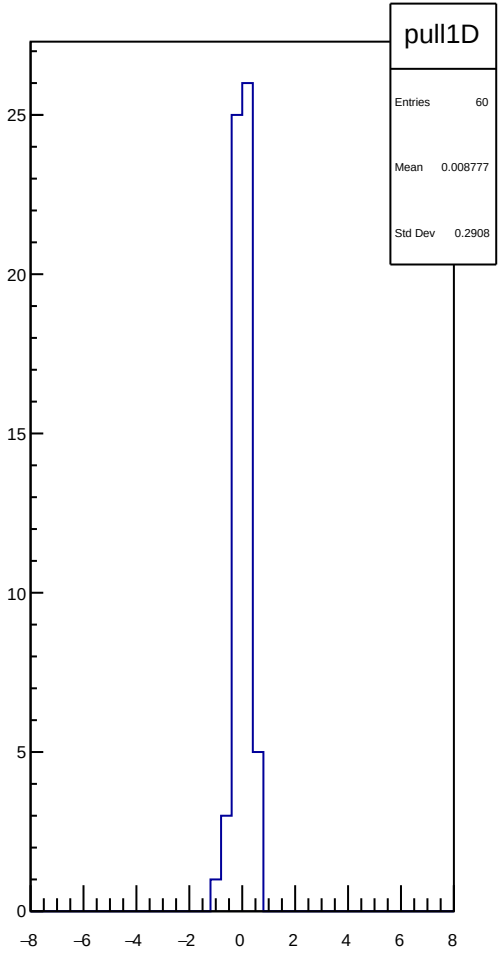

pull1D
Entries 60
Mean 0.01735
Std Dev 0.2893

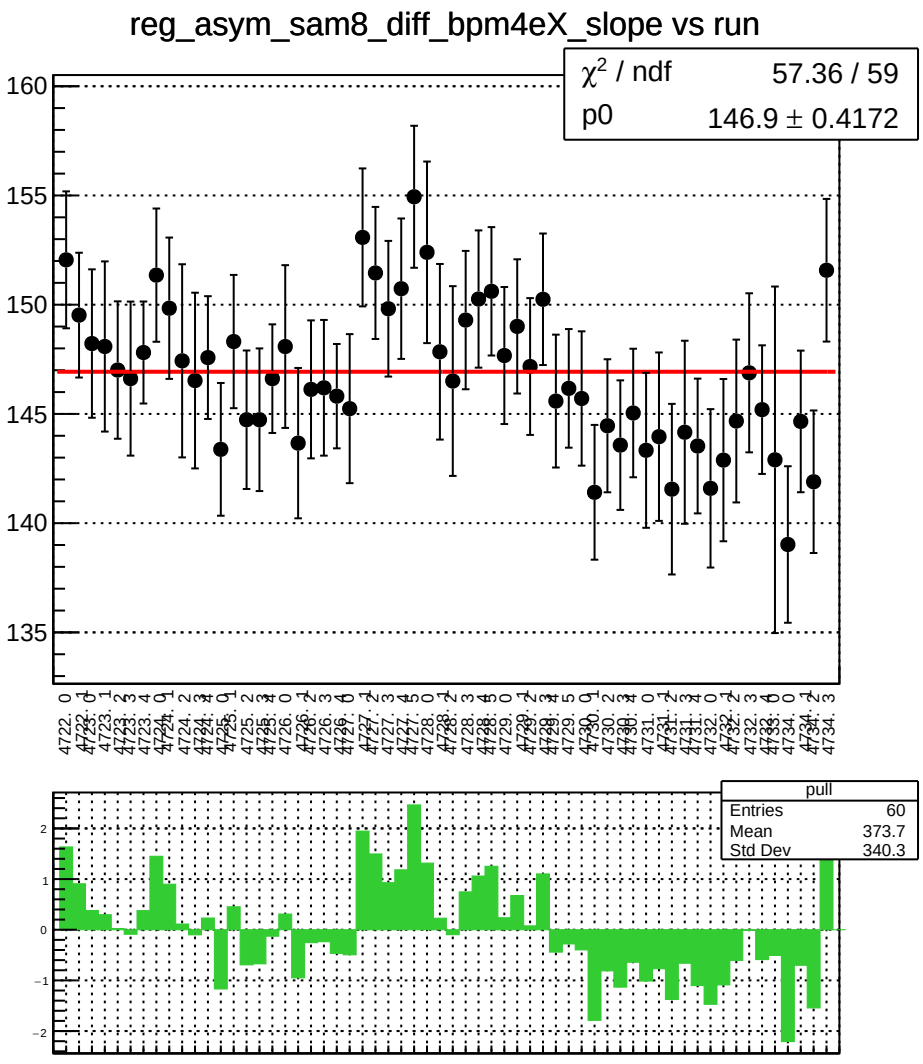

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 3.943 / 59
p0 3.672 ± 0.5314
pull
Entries 60
Mean −33.67
Std Dev 53.89
pull1D
Entries 60
Mean −0.01975
Std Dev 0.2556

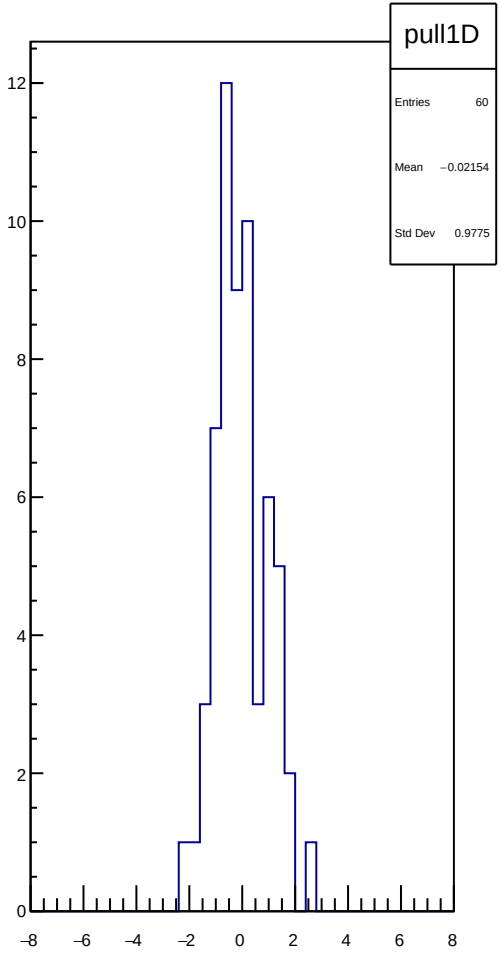

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 26.69 / 59
p0 −65.63 ± 2.365
pull
Entries 60
Mean 172.6
Std Dev 144.9

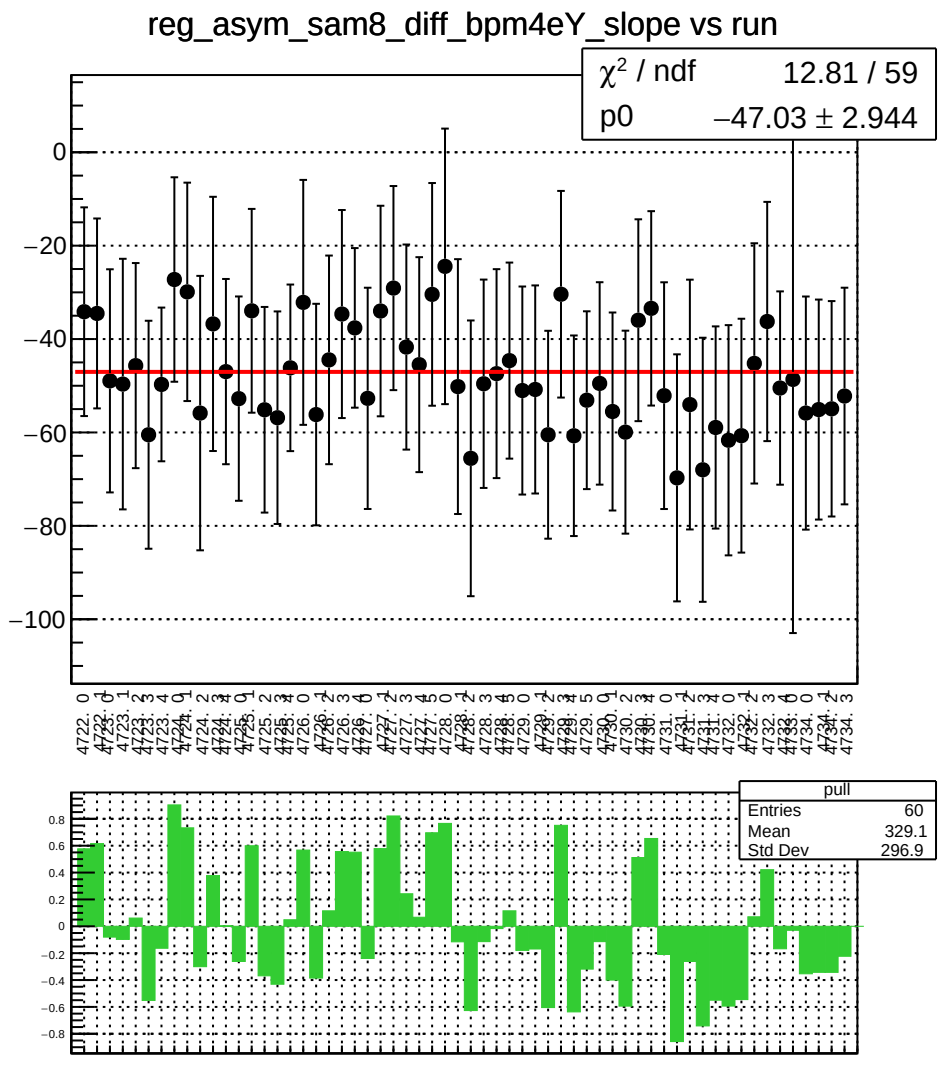

pull1D
Entries 60
Mean 0.018
Std Dev 0.6667

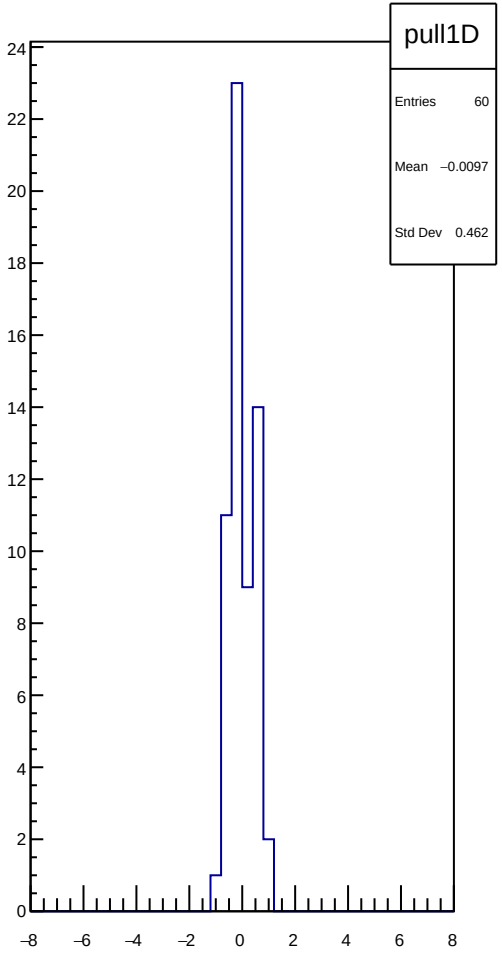

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 5.08 / 59
p0 −37.12 ± 2.242
pull
Entries 60
Mean 110.6
Std Dev 61.92

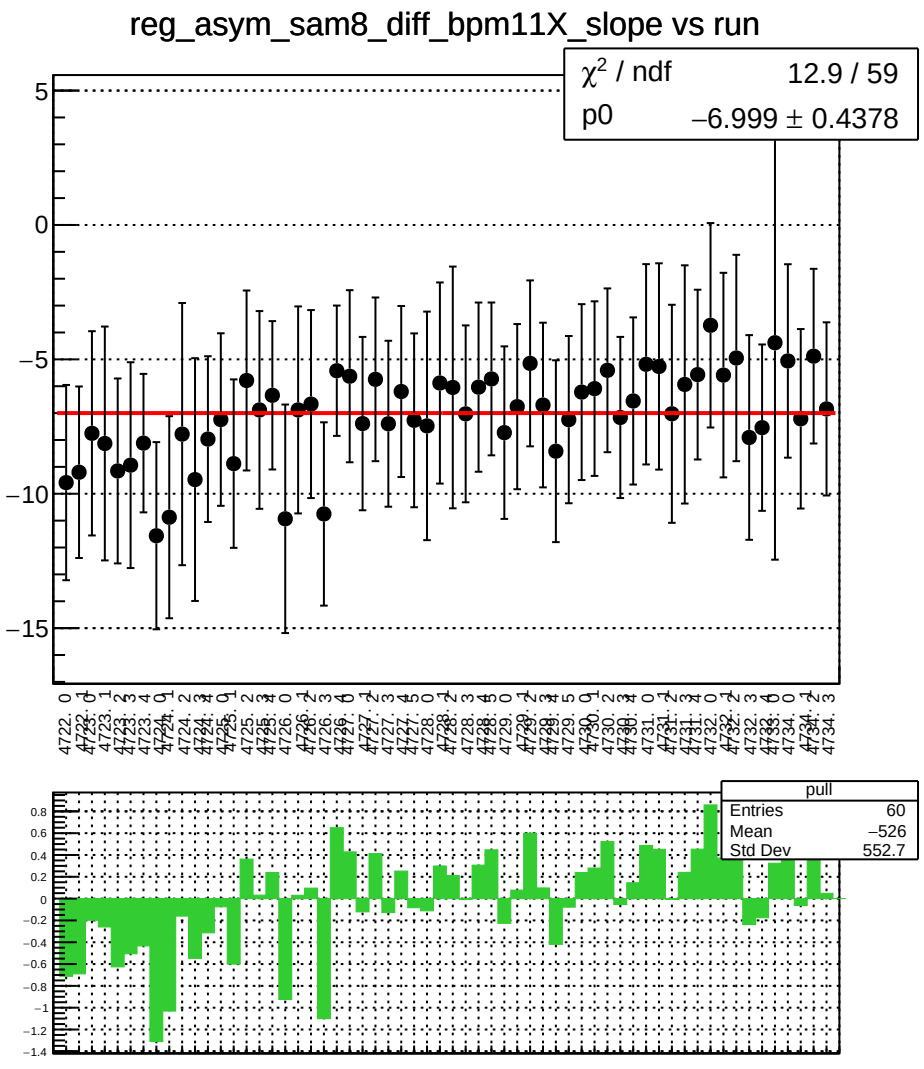

pull1D
Entries 60
Mean 0.008777
Std Dev 0.2908

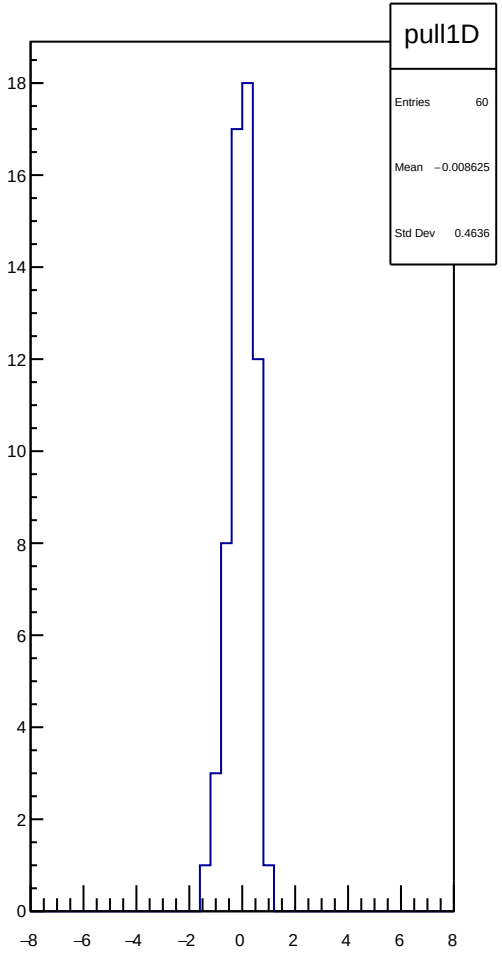

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 57.36 / 59
p0 146.9 ± 0.4172
160
155
150
145
140
135
pull
Entries 60
Mean 373.7
Std Dev 340.3
2
1
0
−1
−2

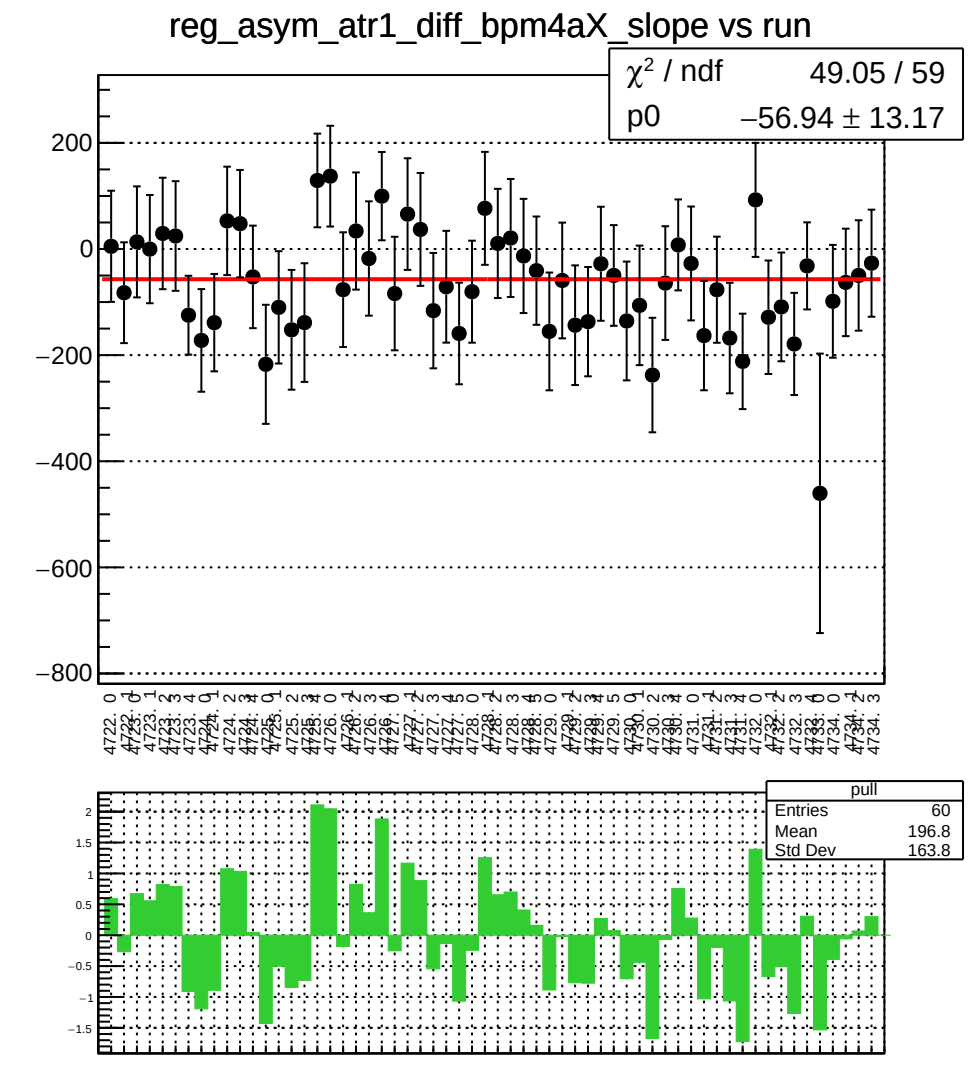

pull1D
Entries 60
Mean −0.02154
Std Dev 0.9775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

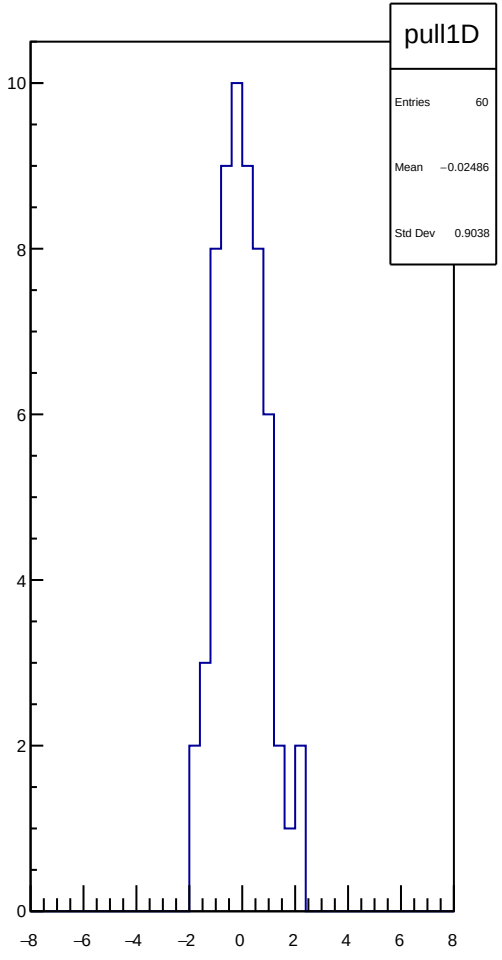

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 59
p0 −47.03 ± 2.944
pull
Entries 60
Mean 329.1
Std Dev 296.9

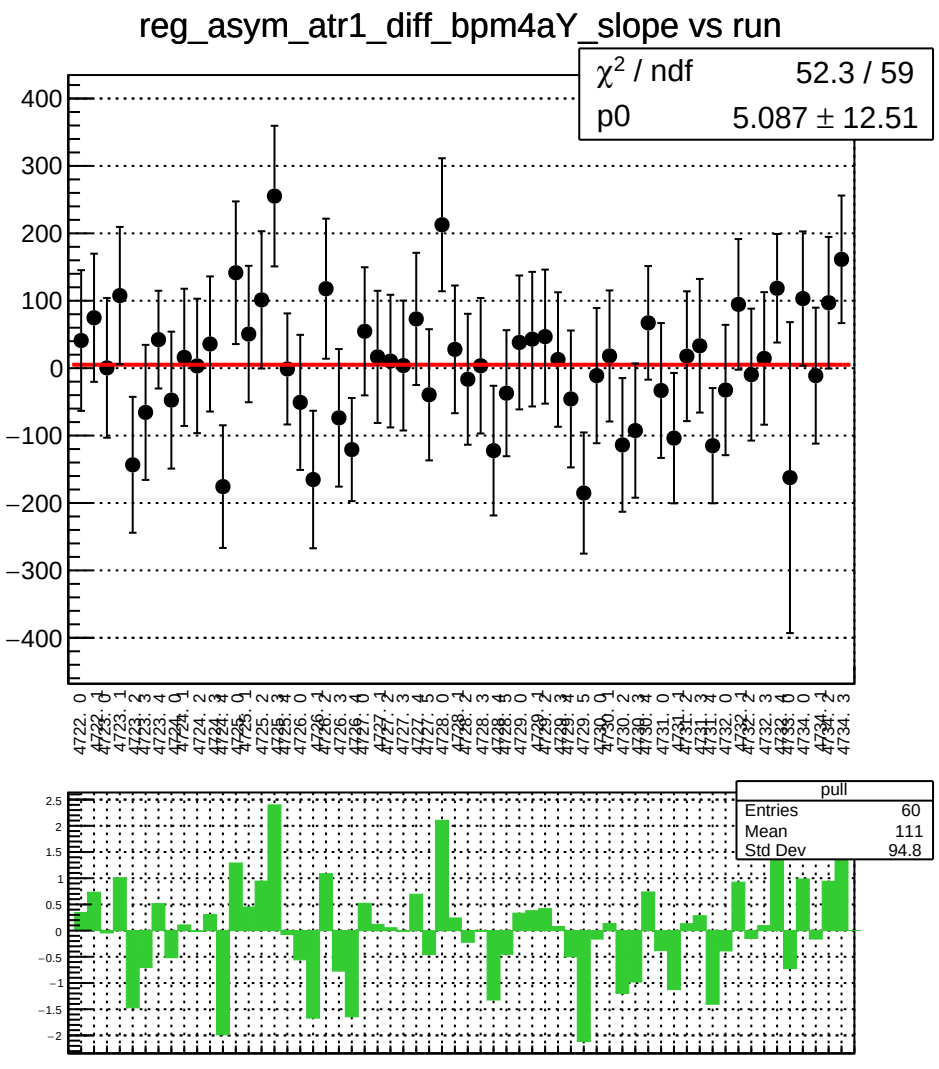

pull1D
Entries 60
Mean −0.0097
Std Dev 0.462

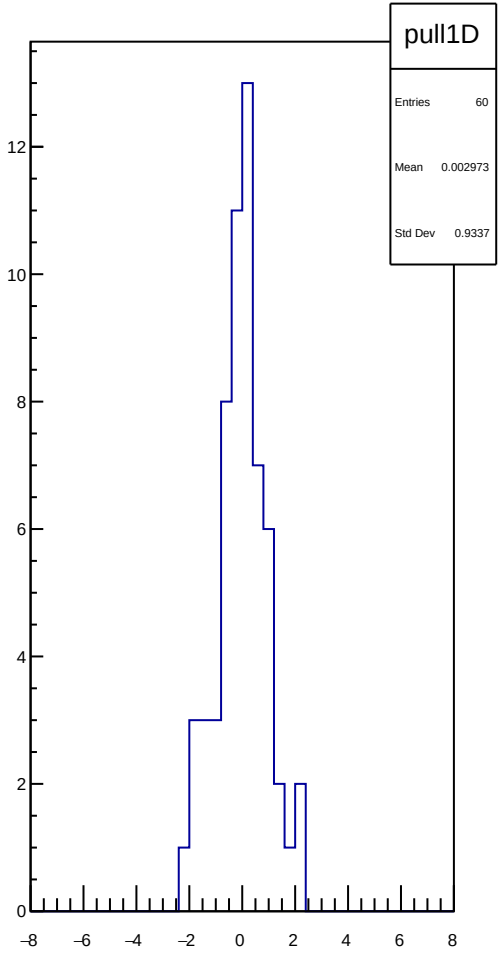

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 12.9 / 59
p0 −6.999 ± 0.4378
pull
Entries 60
Mean −526
Std Dev 552.7

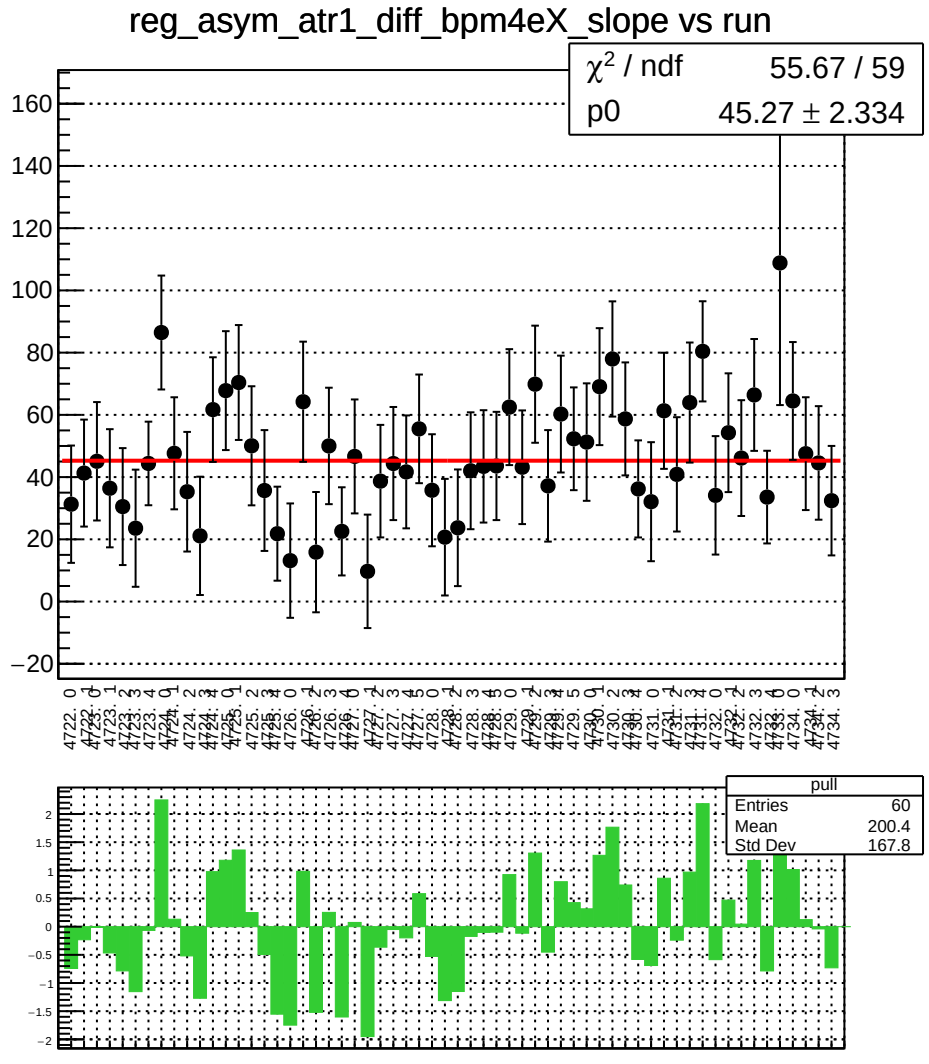

pull1D
Entries 60
Mean −0.008625
Std Dev 0.4636

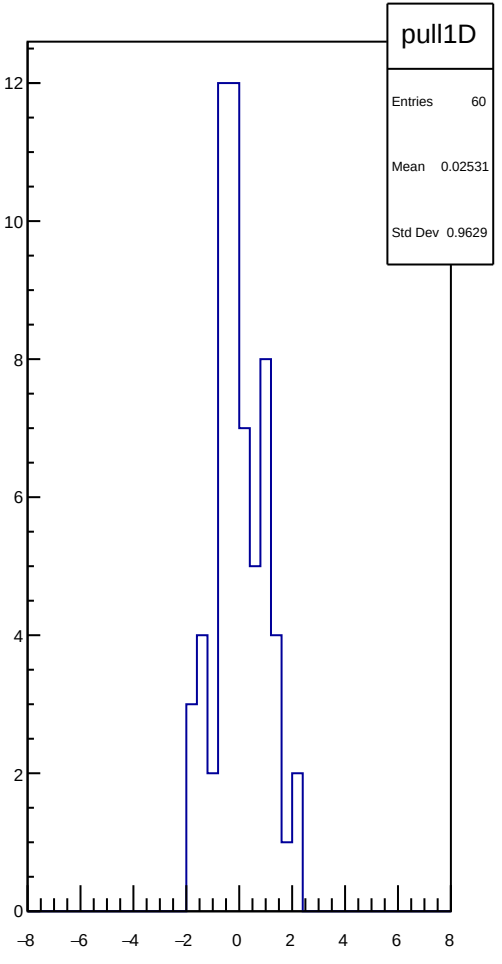

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 49.05 / 59
p0 −56.94 ± 13.17
pull
Entries 60
Mean 196.8
Std Dev 163.8

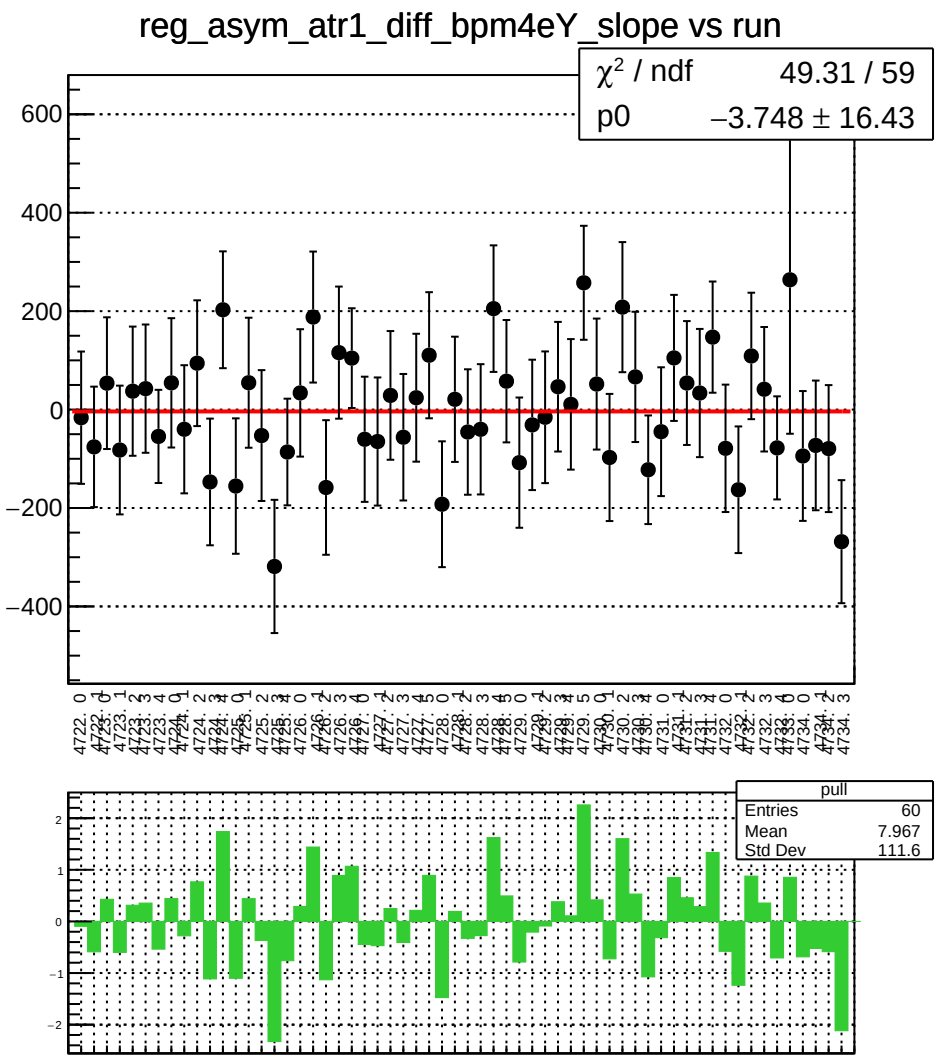

pull1D
Entries 60
Mean −0.02486
Std Dev 0.9038

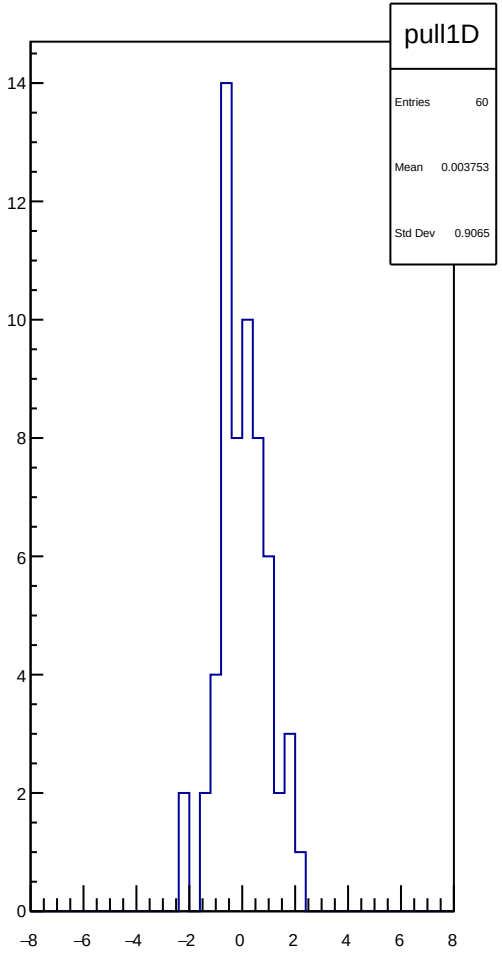

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 52.3 / 59
p0 5.087 ± 12.51
pull
Entries 60
Mean 111
Std Dev 94.8

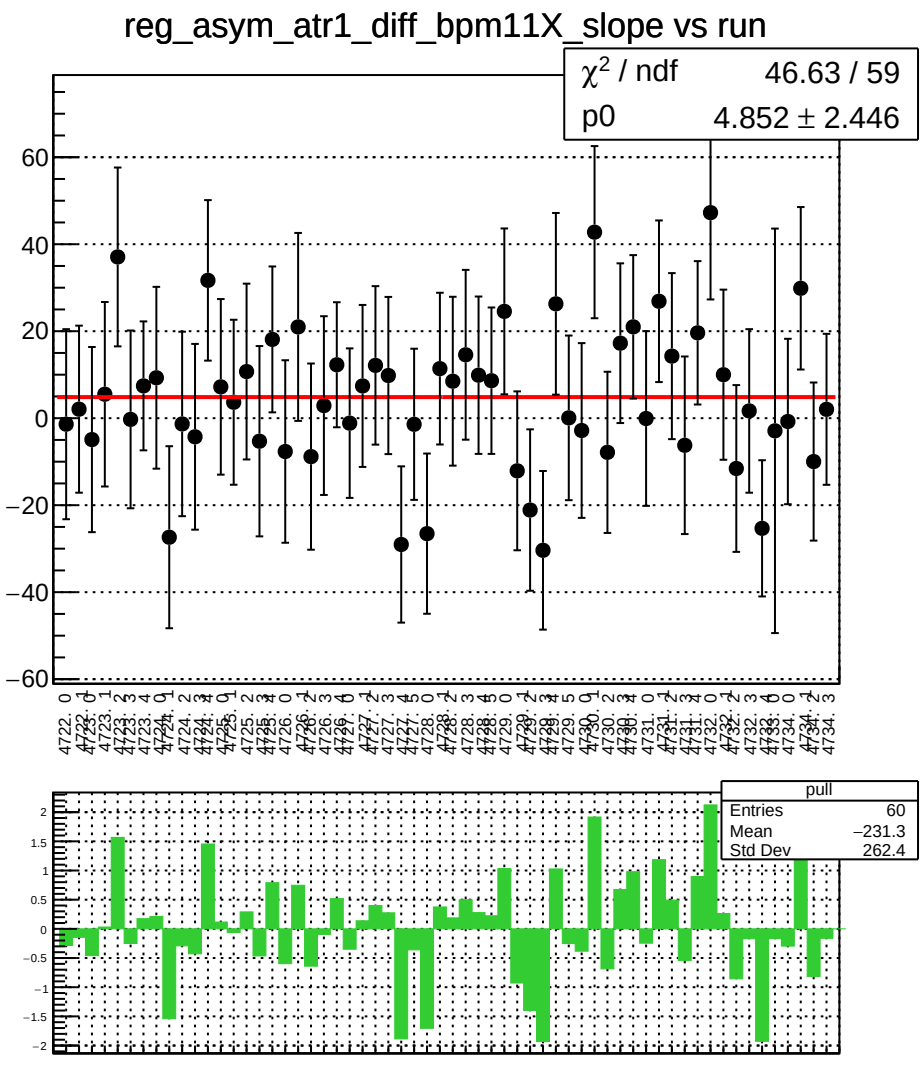

pull1D
Entries 60
Mean 0.002973
Std Dev 0.9337

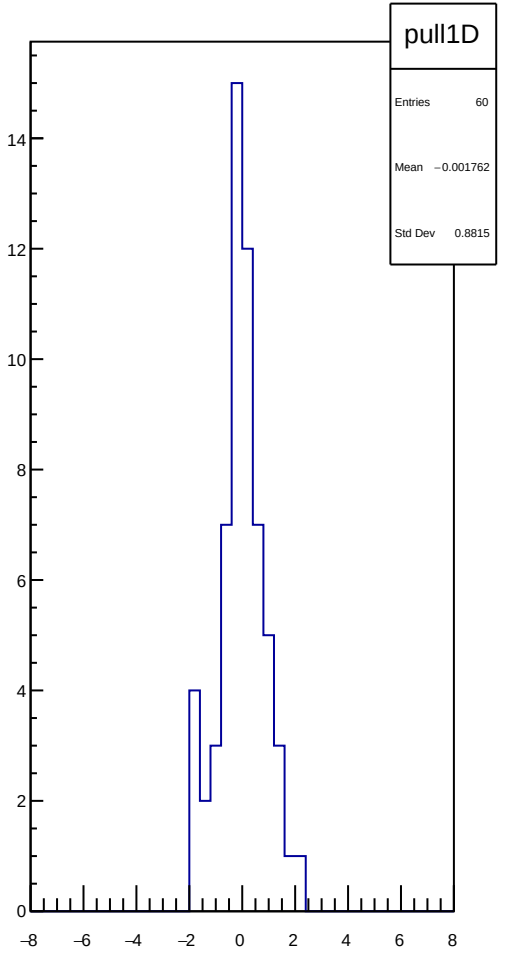

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.67 / 59
p0 45.27 ± 2.334
pull
Entries 60
Mean 200.4
Std Dev 167.8

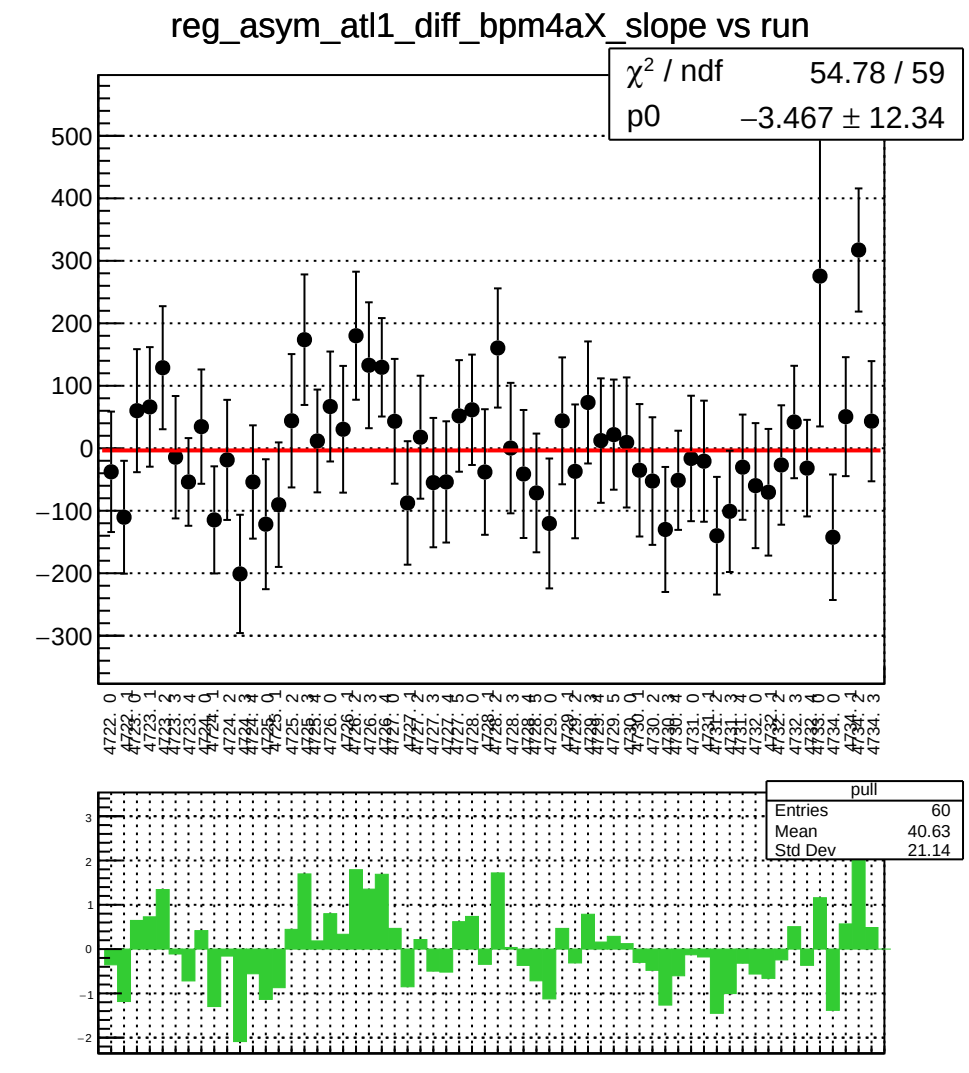

pull1D
Entries 60
Mean 0.02531
Std Dev 0.9629

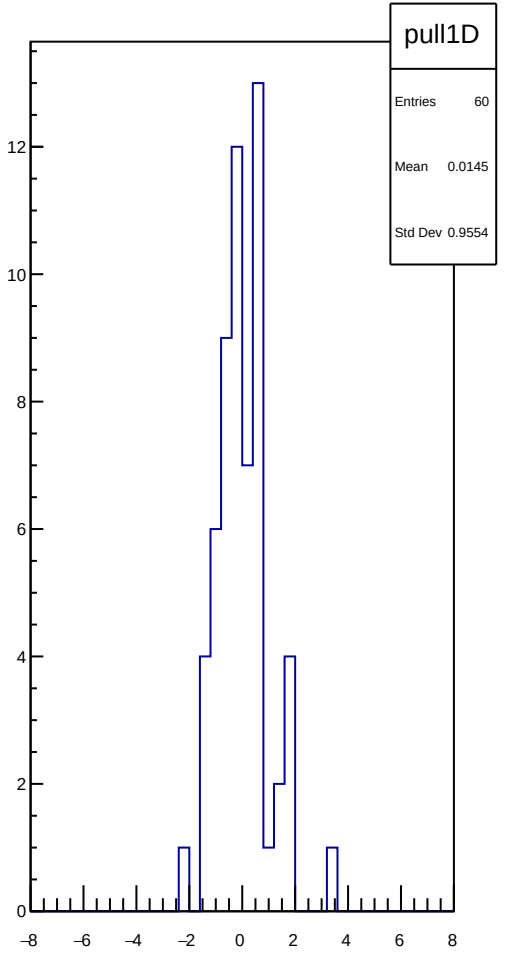

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 49.31 / 59
p0 −3.748 ± 16.43
pull
Entries 60
Mean 7.967
Std Dev 111.6

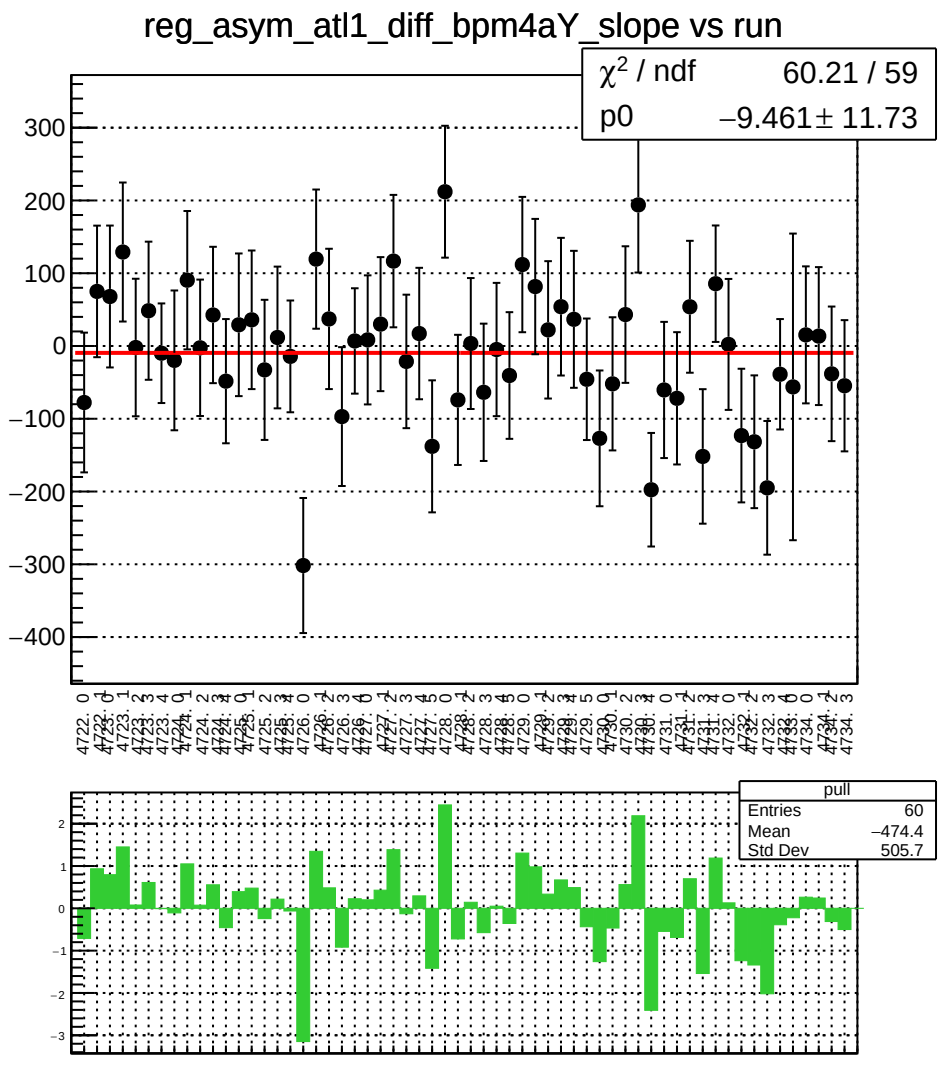

pull1D
Entries 60
Mean 0.003753
Std Dev 0.9065

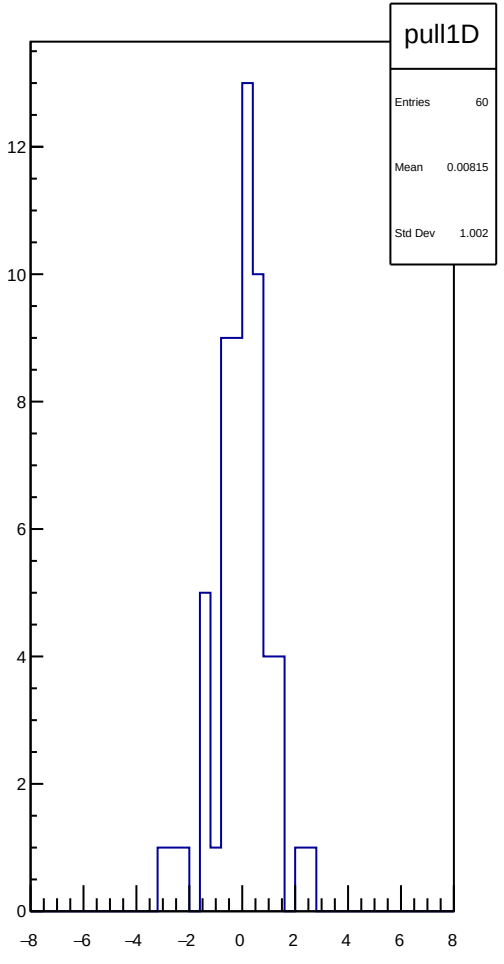

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 46.63 / 59
p0 4.852 ± 2.446
pull
Entries 60
Mean −231.3
Std Dev 262.4

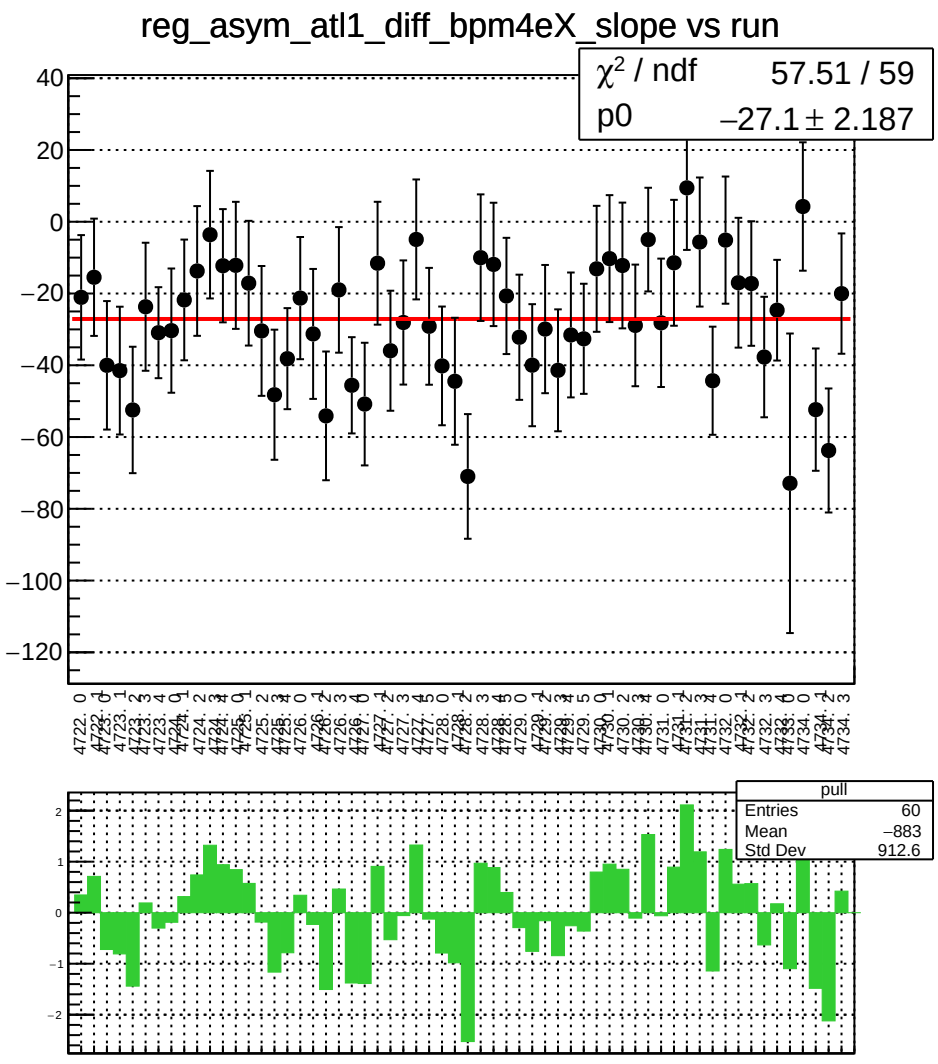

pull1D
Entries 60
Mean −0.001762
Std Dev 0.8815

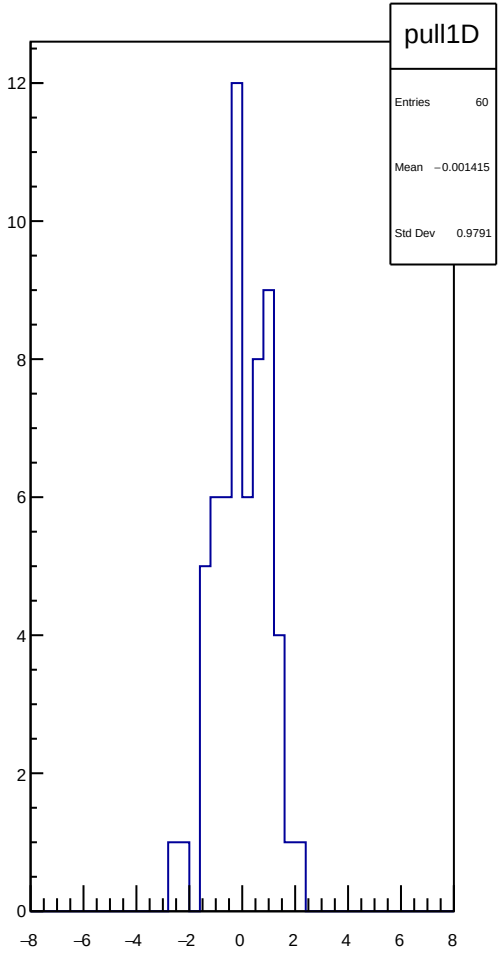

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 54.78 / 59
p0 −3.467 ± 12.34
pull
Entries 60
Mean 40.63
Std Dev 21.14

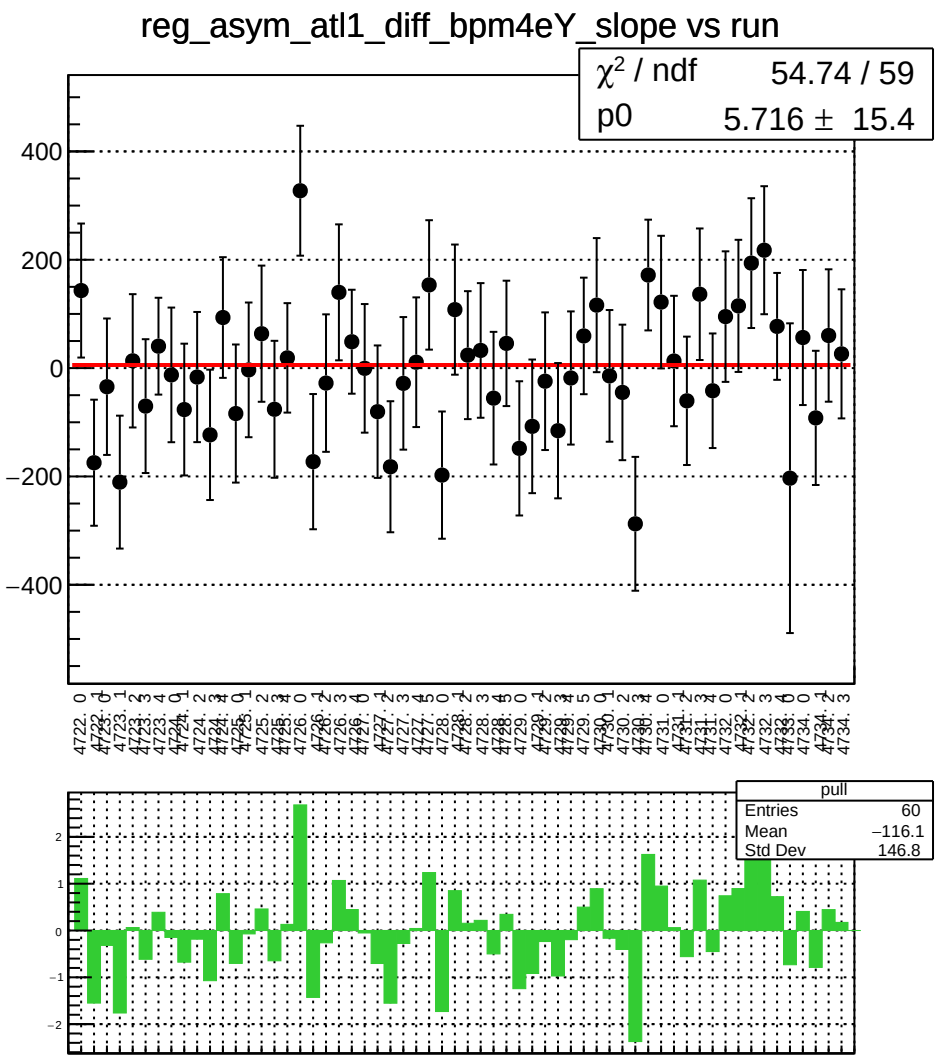

pull1D
Entries 60
Mean 0.0145
Std Dev 0.9554

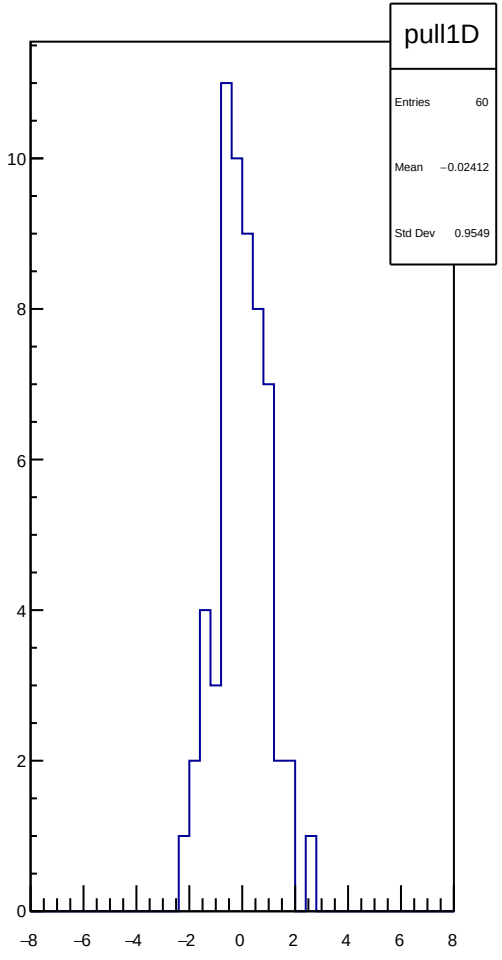

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 60.21 / 59
p0 −9.461 ± 11.73
pull
Entries 60
Mean −474.4
Std Dev 505.7

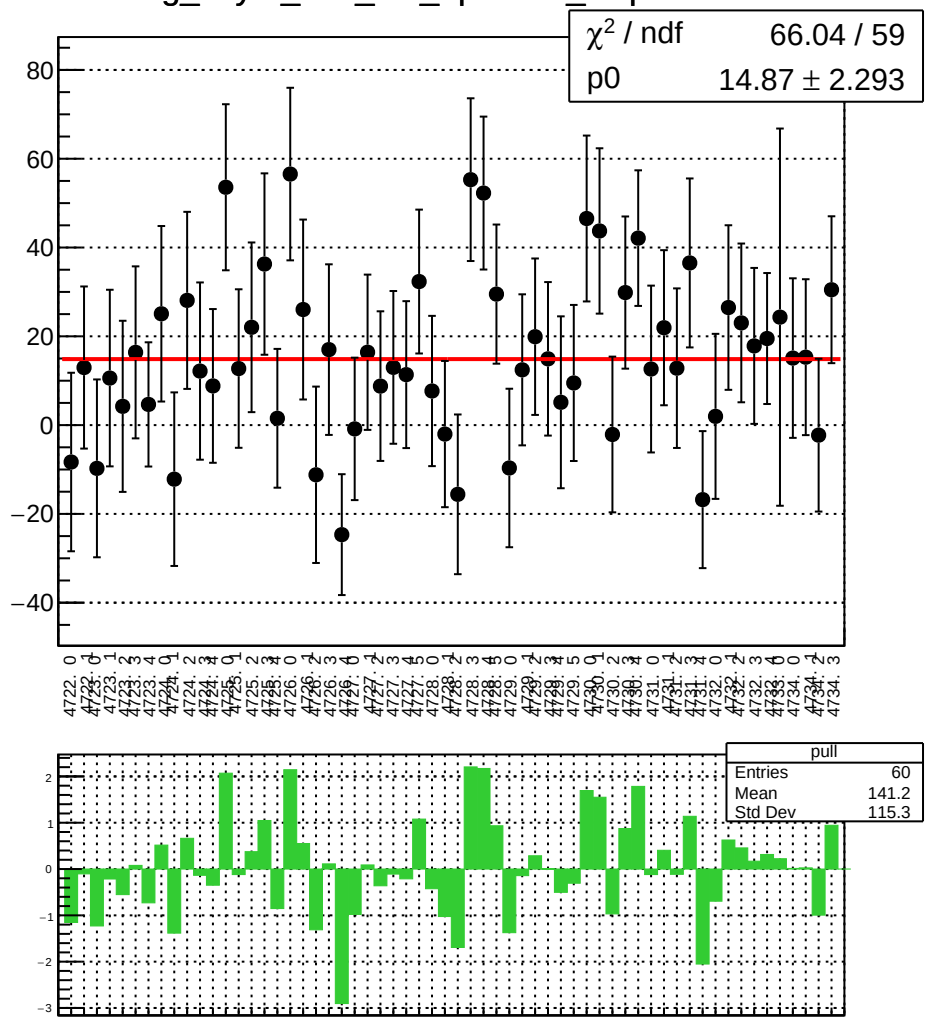

pull1D
Entries 60
Mean 0.00815
Std Dev 1.002

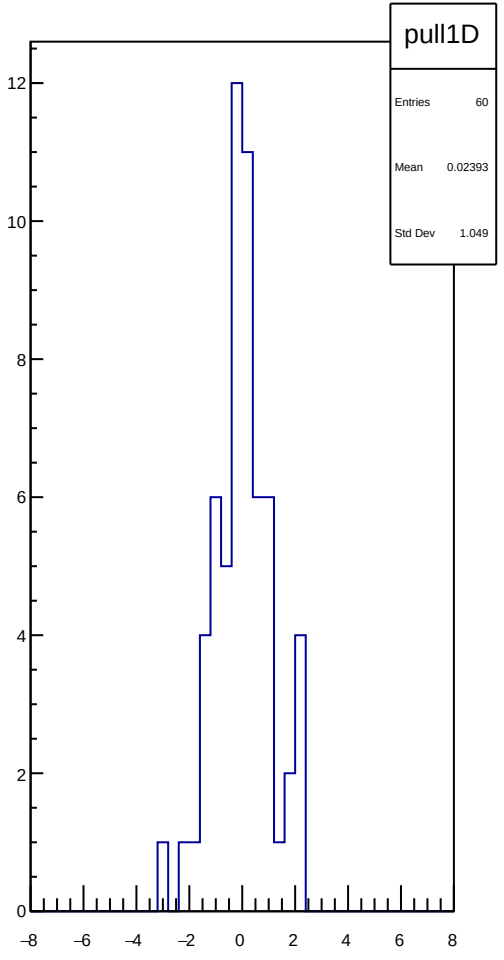

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 57.51 / 59
p0 −27.1 ± 2.187
pull
Entries 60
Mean −883
Std Dev 912.6

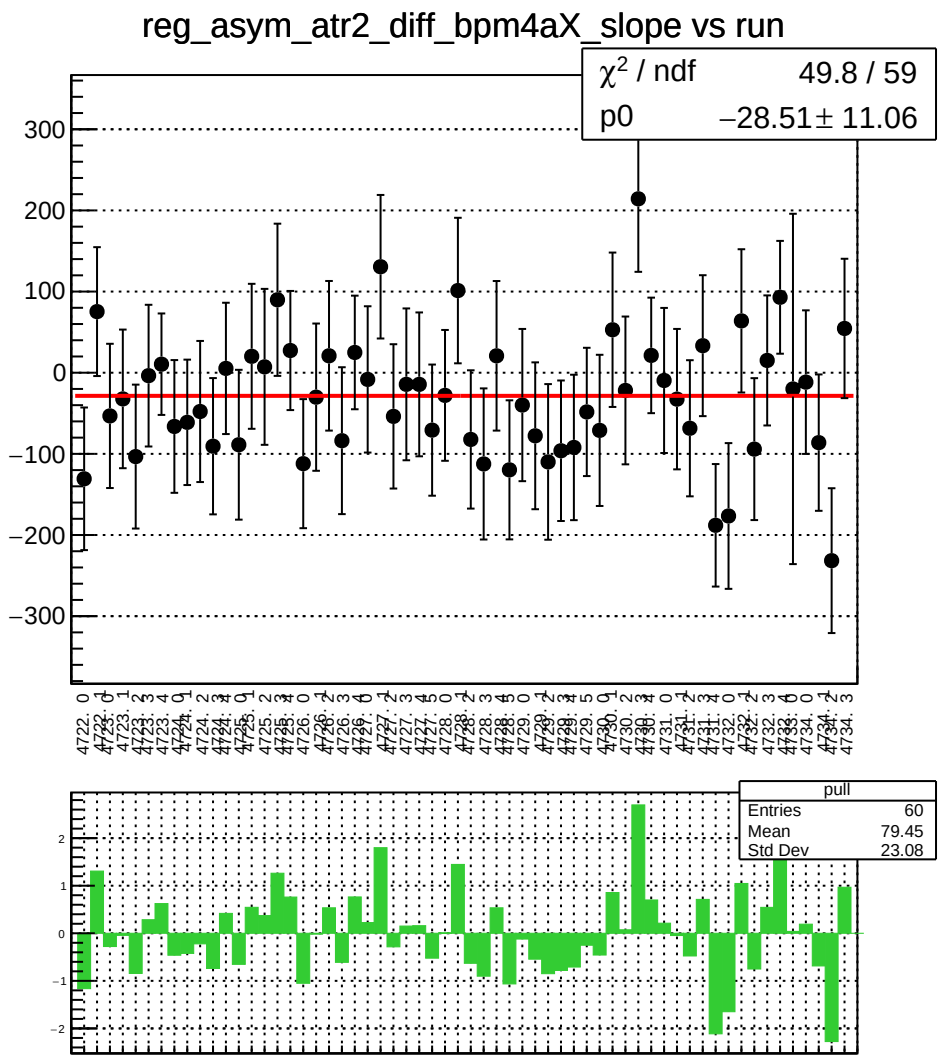

pull1D
Entries 60
Mean −0.001415
Std Dev 0.9791

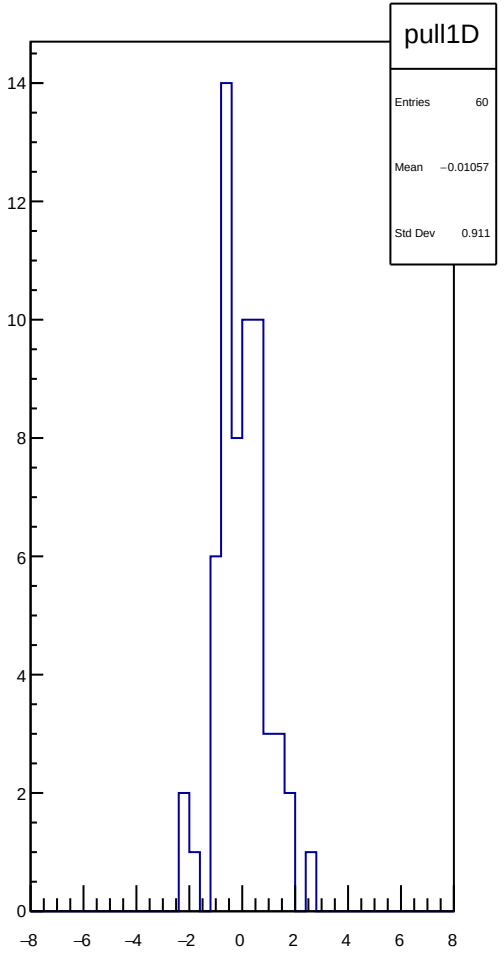

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 54.74 / 59
p0 5.716 ± 15.4
400
200
0
−200
−400
pull
Entries 60
Mean −116.1
Std Dev 146.8
2
1
0
−1
−2

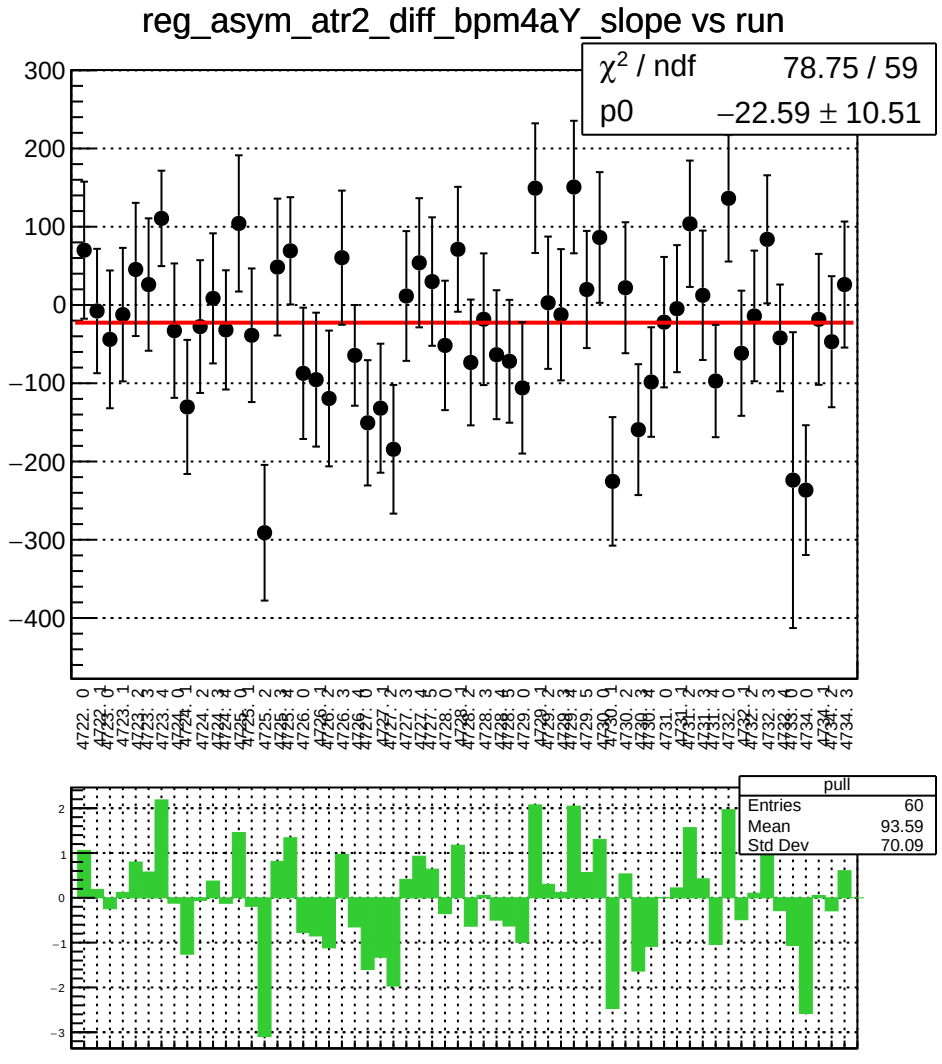

pull1D
Entries 60
Mean −0.02412
Std Dev 0.9549
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

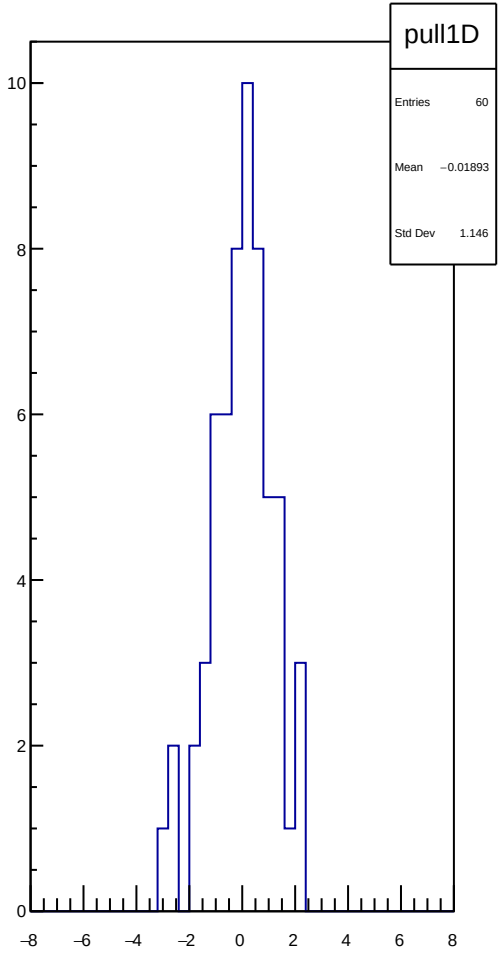

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 66.04 / 59
p0 14.87 ± 2.293
pull
Entries 60
Mean 141.2
Std Dev 115.3

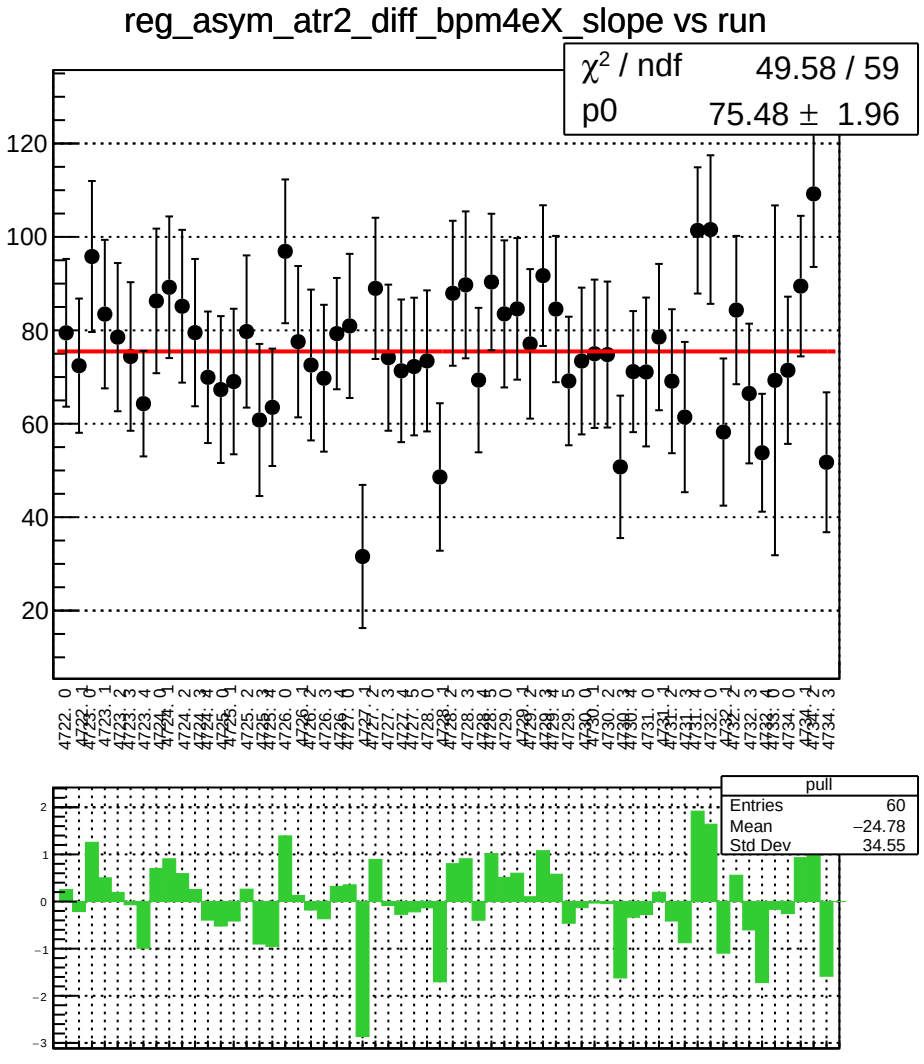

pull1D
Entries 60
Mean 0.02393
Std Dev 1.049

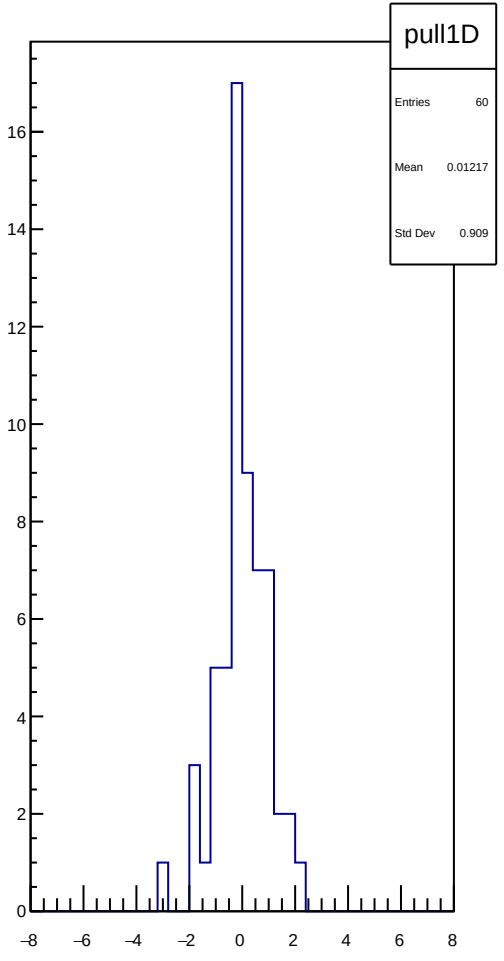

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 49.8 / 59
p0 −28.51 ± 11.06
pull
Entries 60
Mean 79.45
Std Dev 23.08

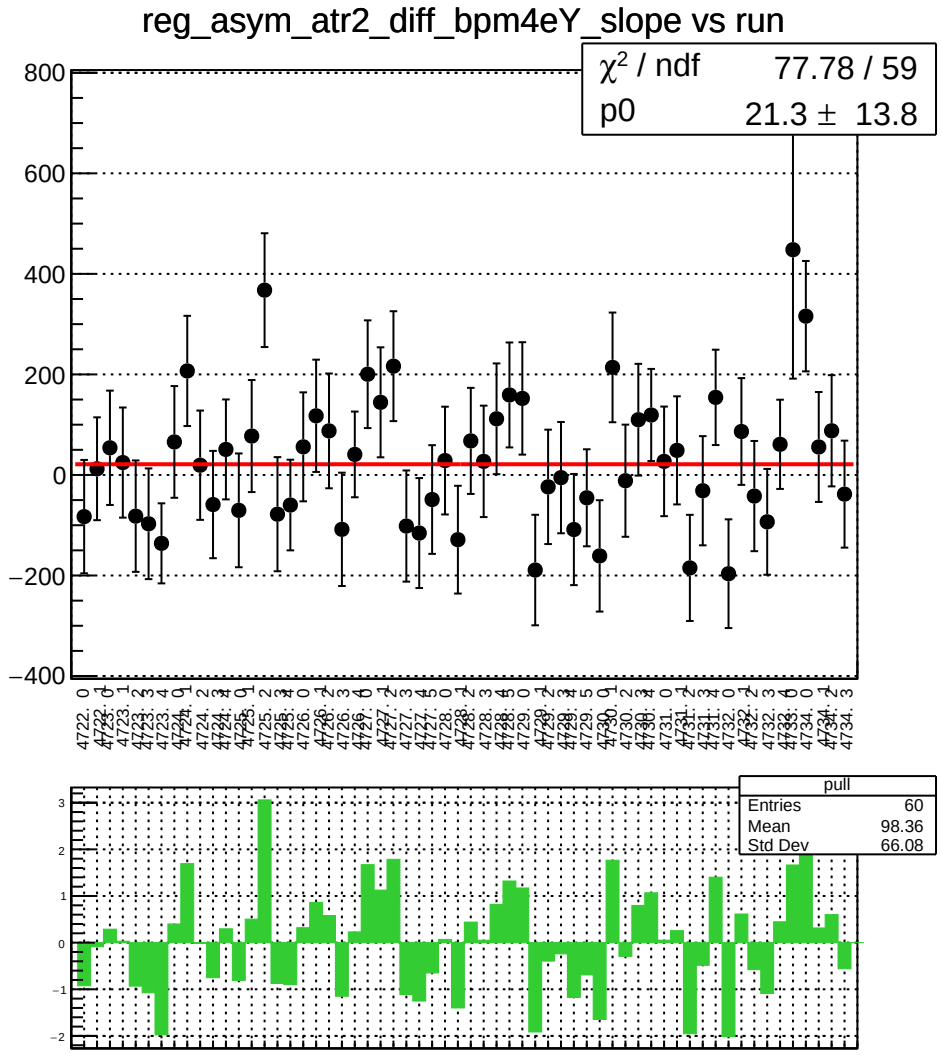

pull1D
Entries 60
Mean −0.01057
Std Dev 0.911

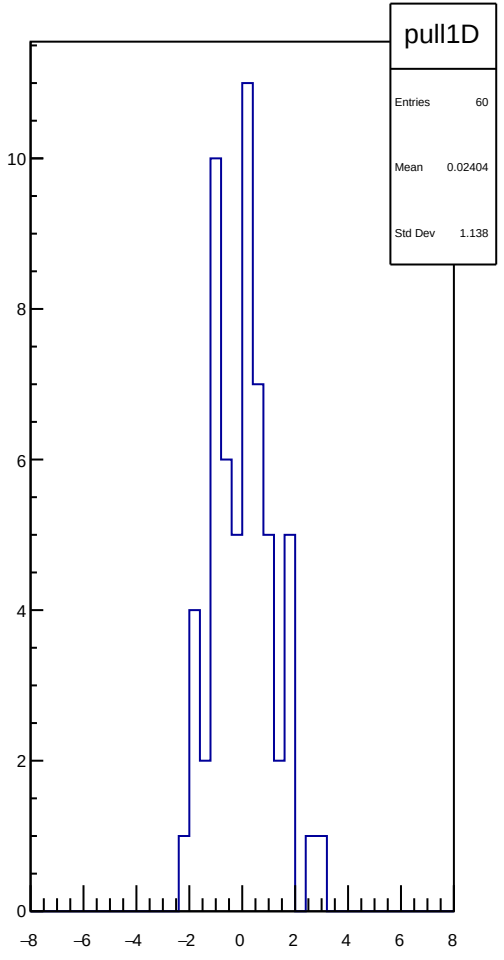

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 78.75 / 59
p0 −22.59 ± 10.51
pull
Entries 60
Mean 93.59
Std Dev 70.09

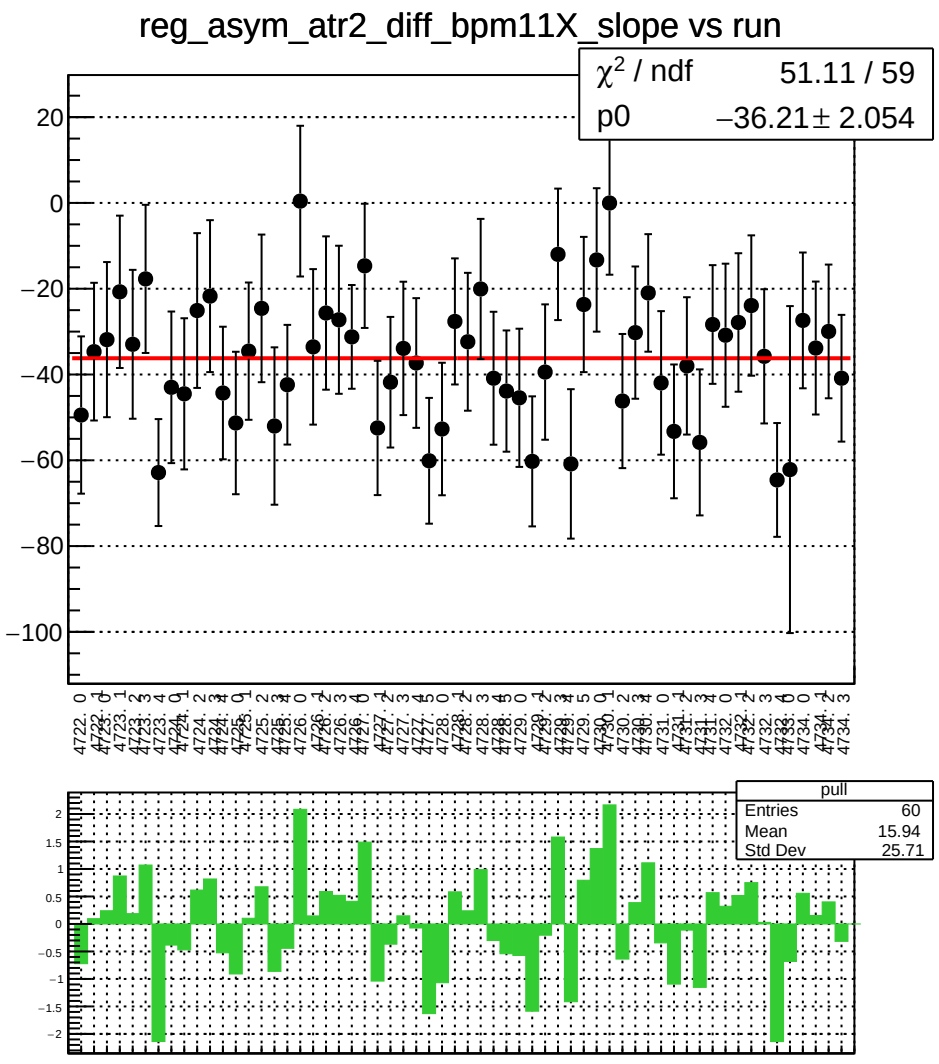

pull1D
Entries 60
Mean −0.01893
Std Dev 1.146

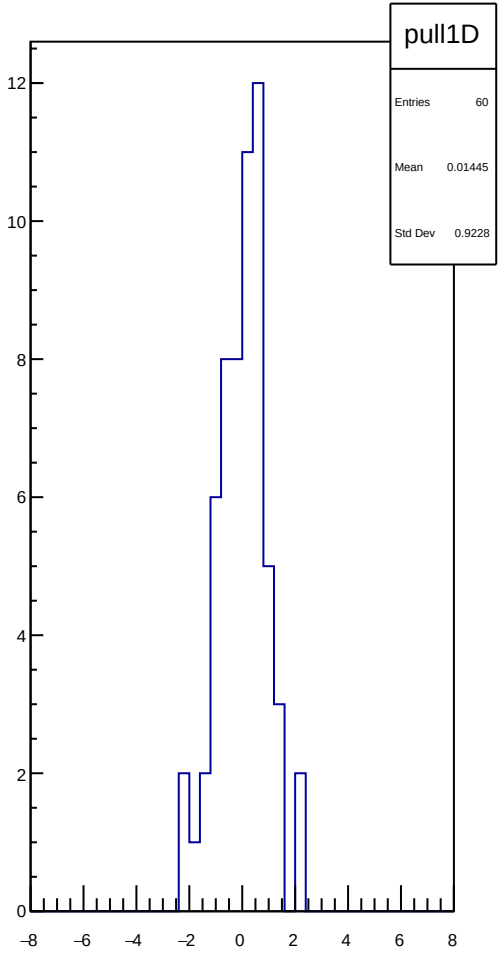

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 49.58 / 59
p0 75.48 ± 1.96
pull
Entries 60
Mean −24.78
Std Dev 34.55

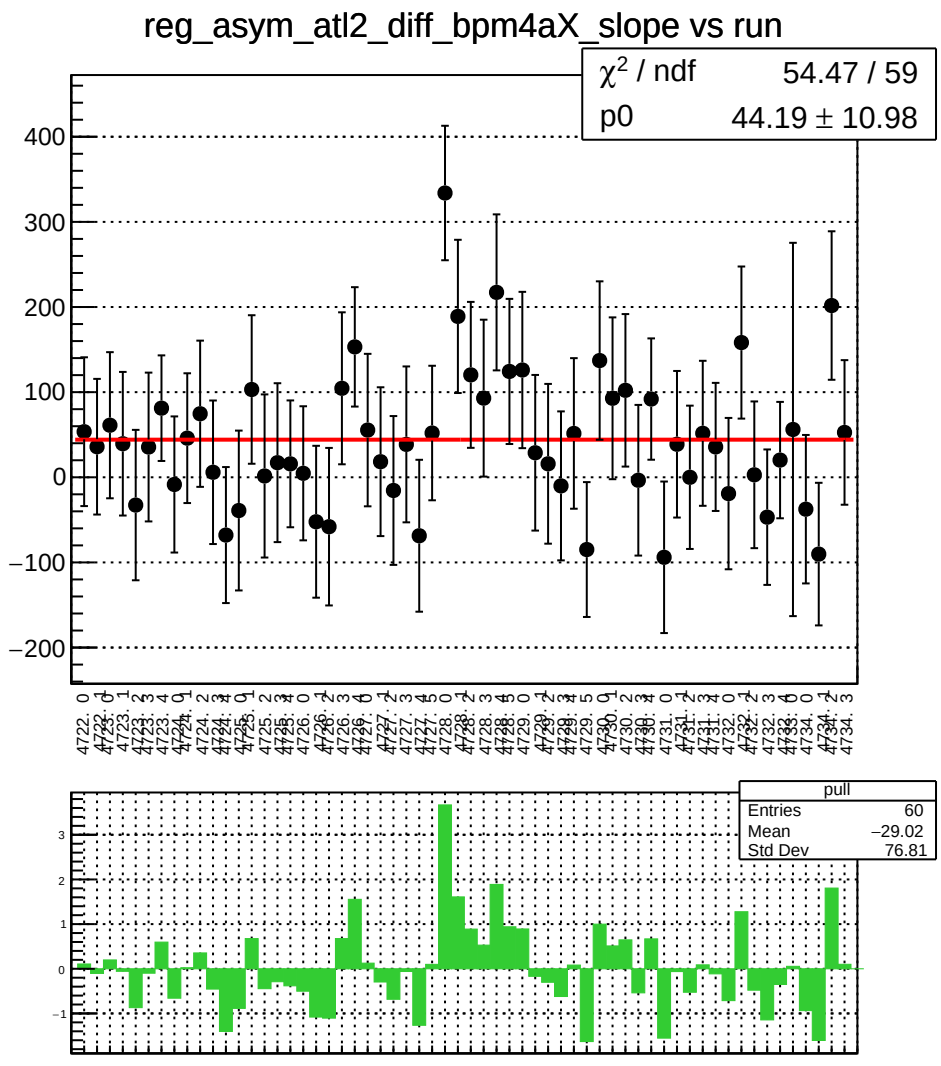

pull1D
Entries 60
Mean 0.01217
Std Dev 0.909

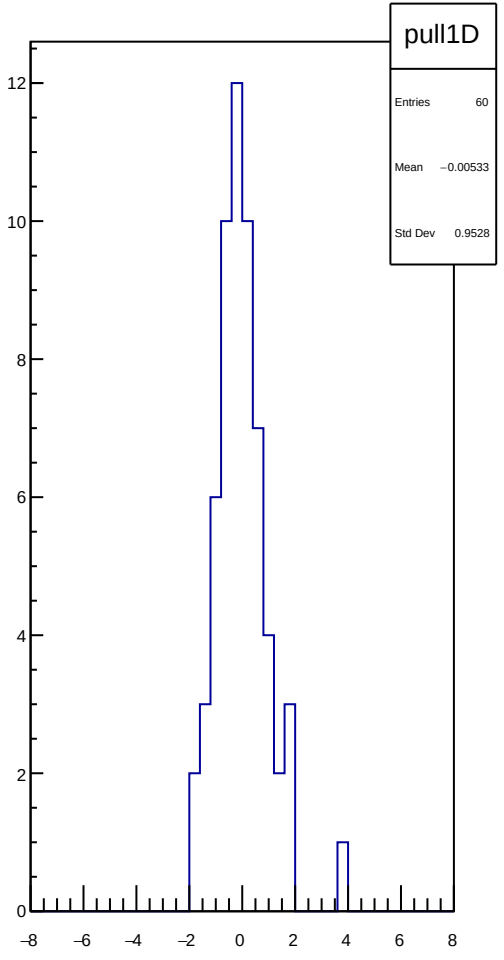

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 77.78 / 59
p0 21.3 ± 13.8
pull
Entries 60
Mean 98.36
Std Dev 66.08

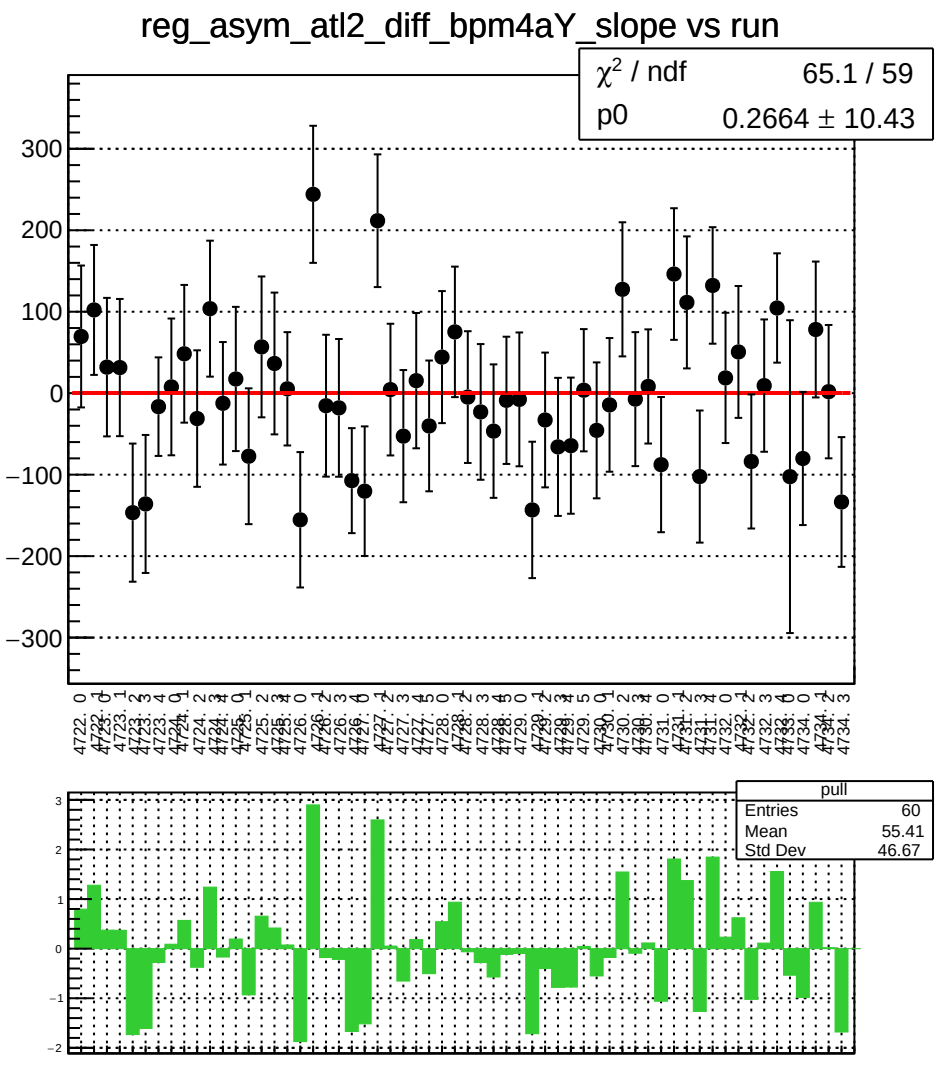

pull1D
Entries 60
Mean 0.02404
Std Dev 1.138

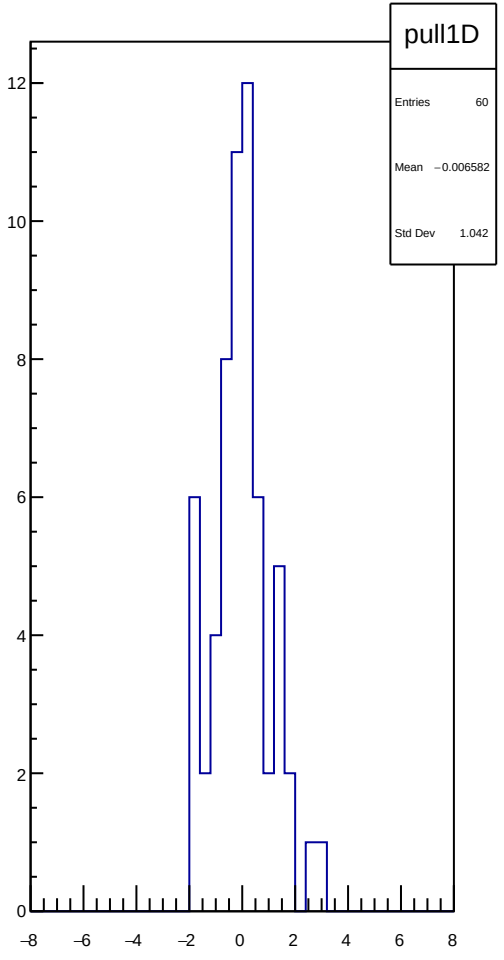

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 51.11 / 59
p0 −36.21± 2.054
pull
Entries 60
Mean 15.94
Std Dev 25.71

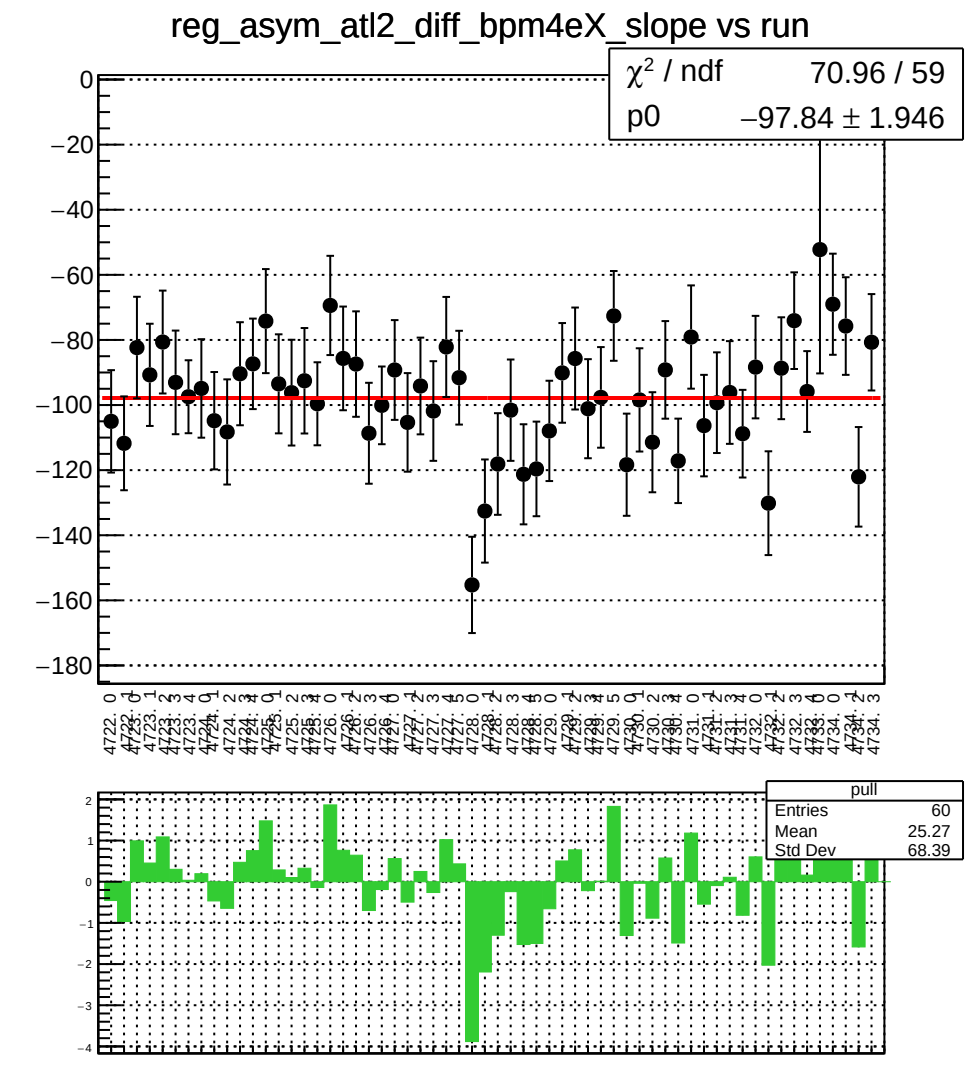

pull1D
Entries 60
Mean 0.01445
Std Dev 0.9228

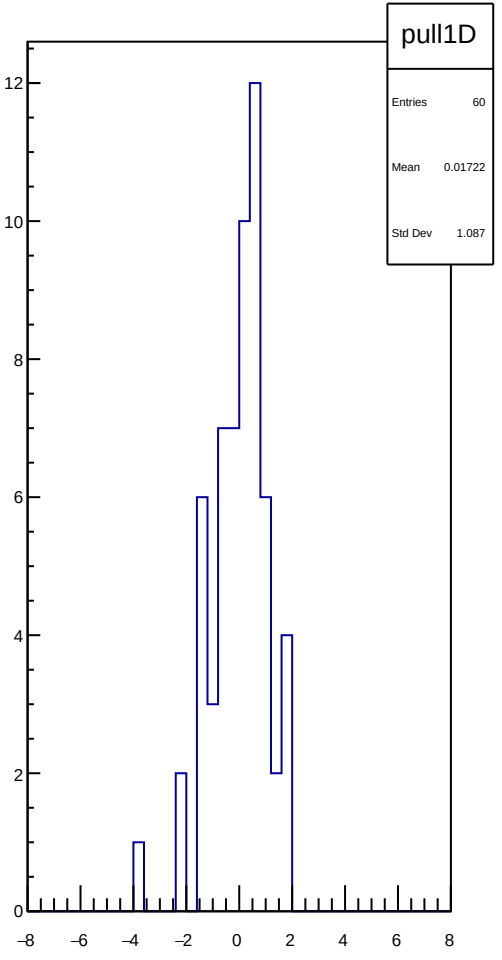

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 54.47 / 59
p0 44.19 ± 10.98
pull
Entries 60
Mean −29.02
Std Dev 76.81

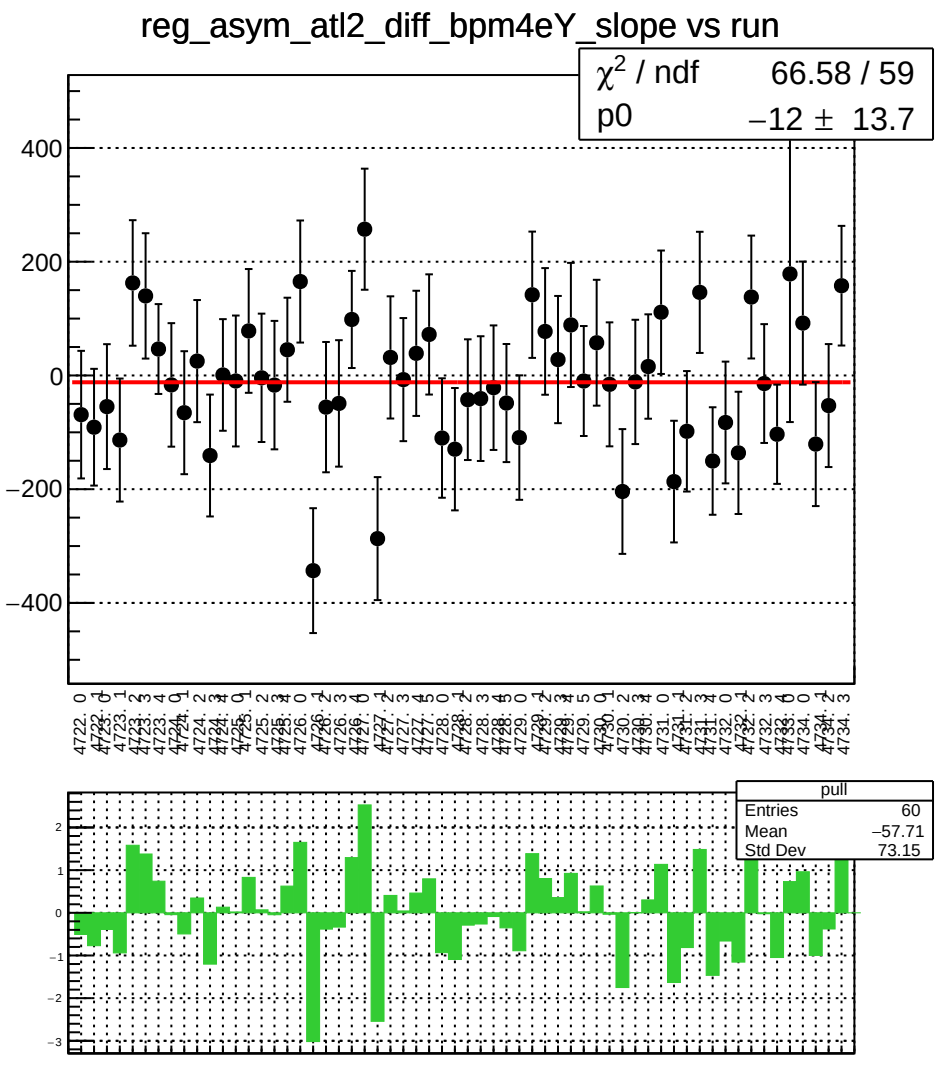

pull1D
Entries 60
Mean −0.00533
Std Dev 0.9528

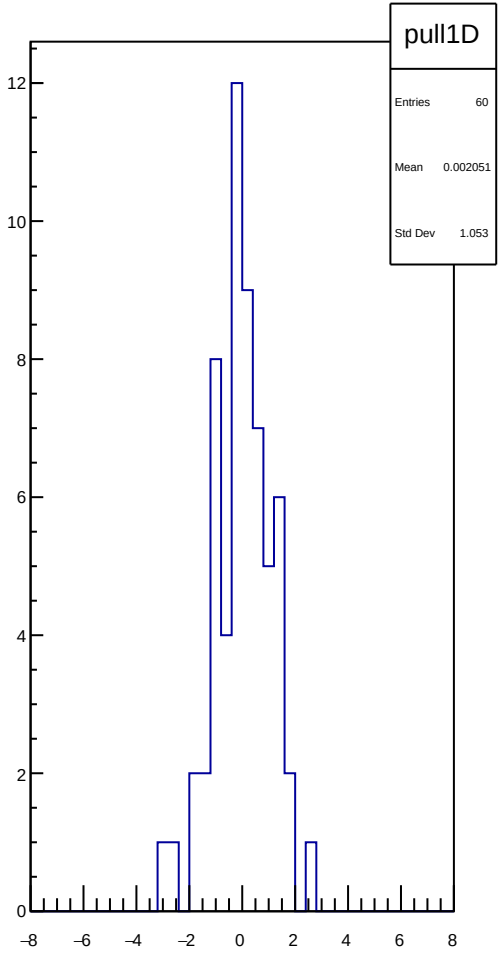

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 65.1 / 59
p0 0.2664 ± 10.43
pull
Entries 60
Mean 55.41
Std Dev 46.67

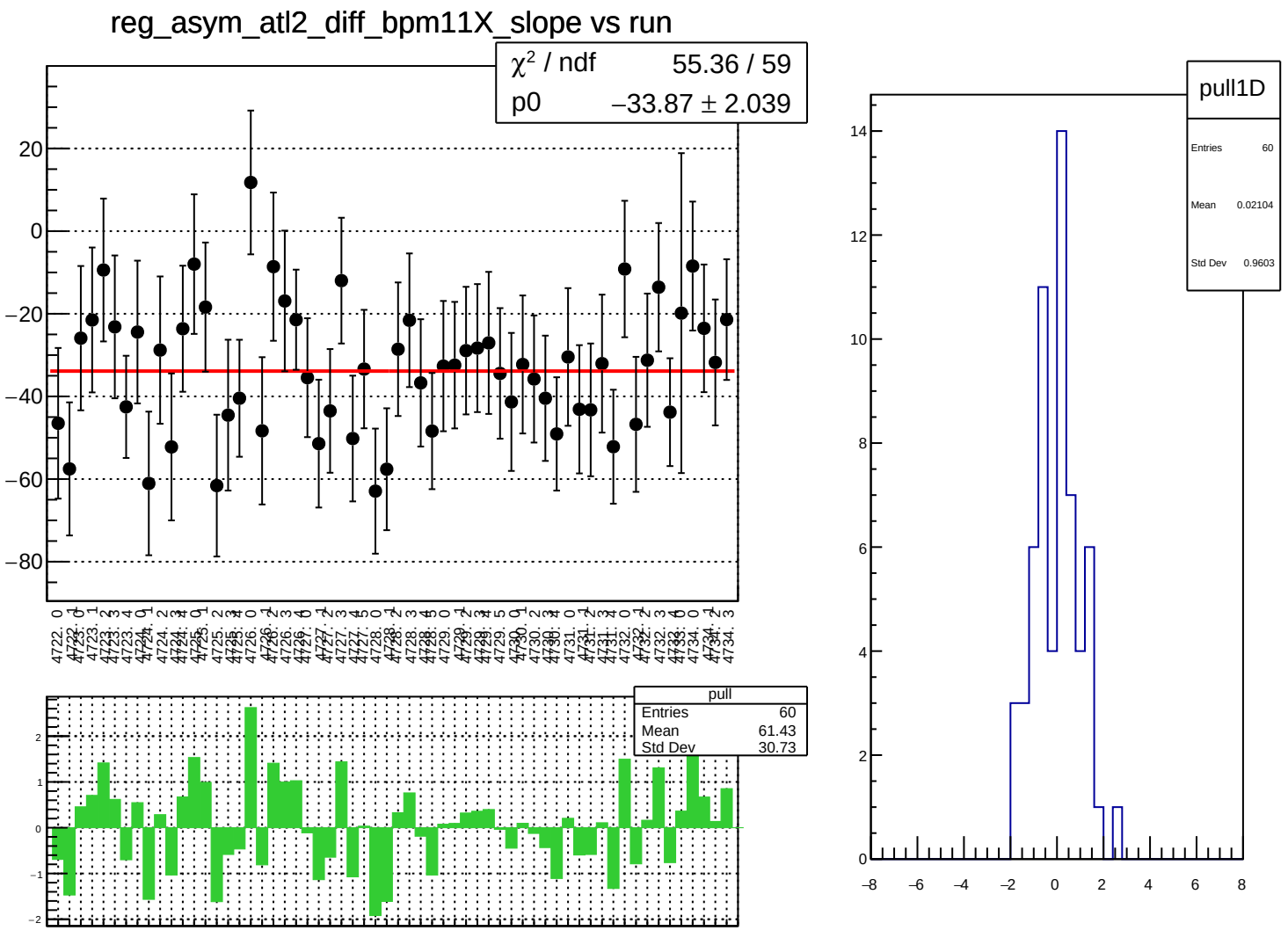

pull1D
Entries 60
Mean −0.006582
Std Dev 1.042

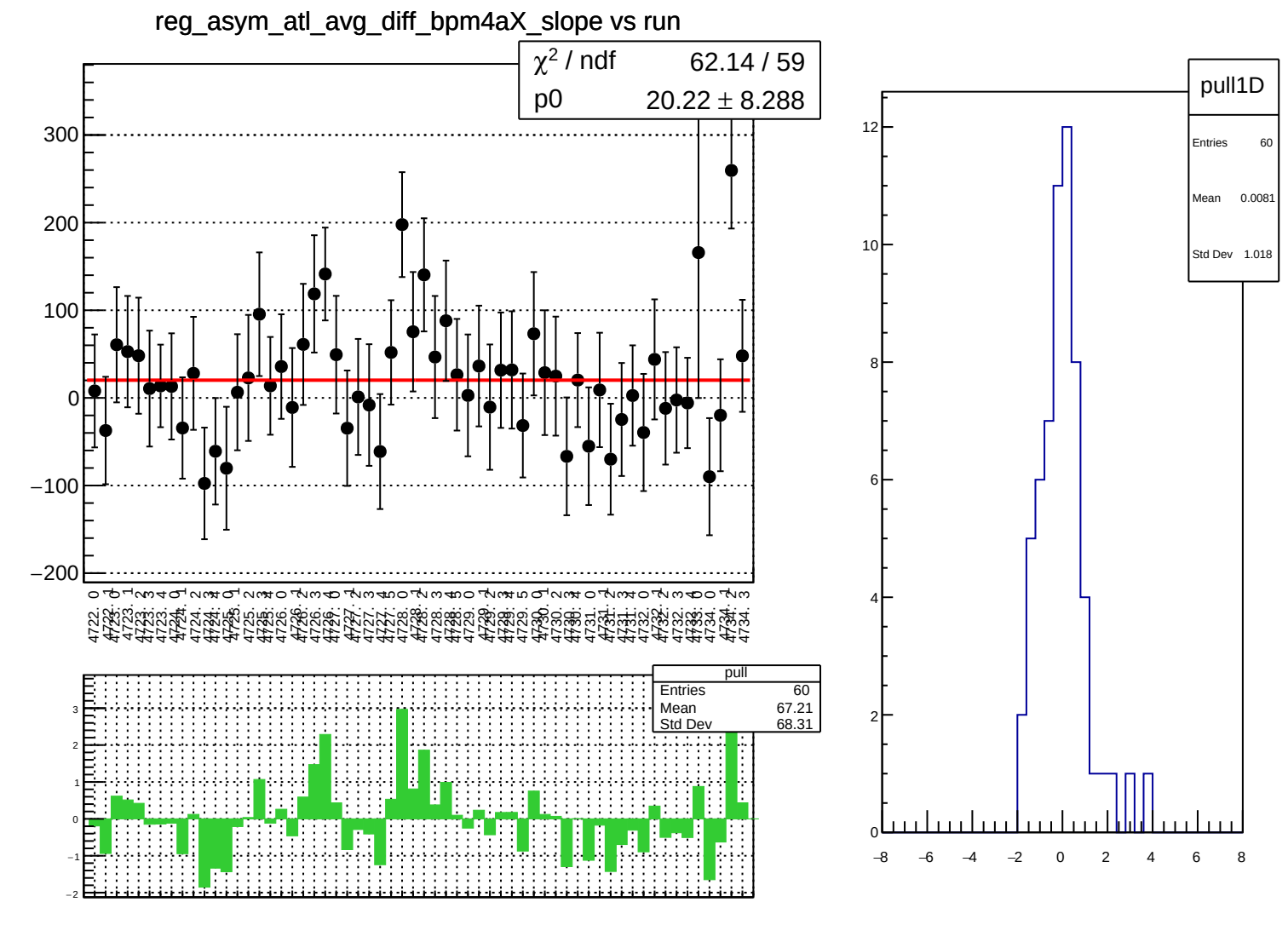

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 70.96 / 59
p0 −97.84 ± 1.946
pull
Entries 60
Mean 25.27
Std Dev 68.39

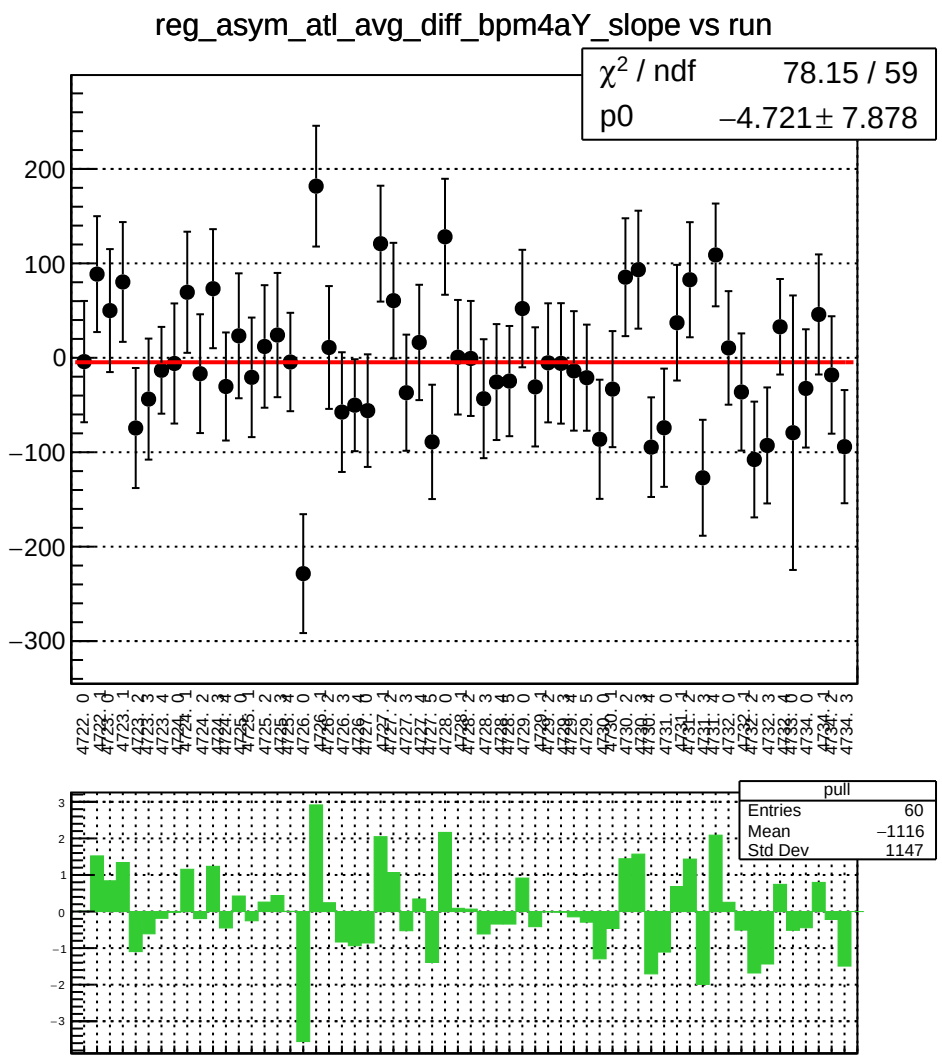

pull1D
Entries 60
Mean 0.01722
Std Dev 1.087

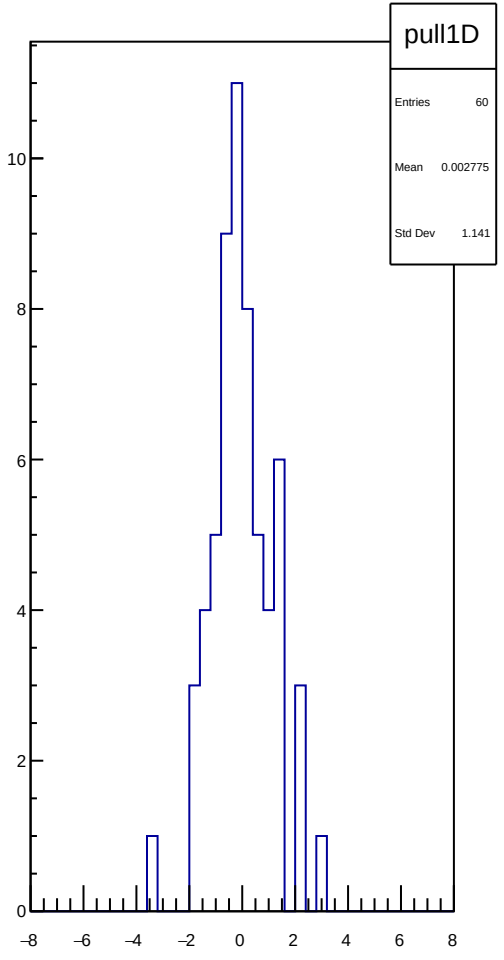

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 66.58 / 59
p0 −12 ± 13.7
400
200
0
−200
−400
pull
Entries 60
Mean −57.71
Std Dev 73.15
2
1
0
−1
−2
−3

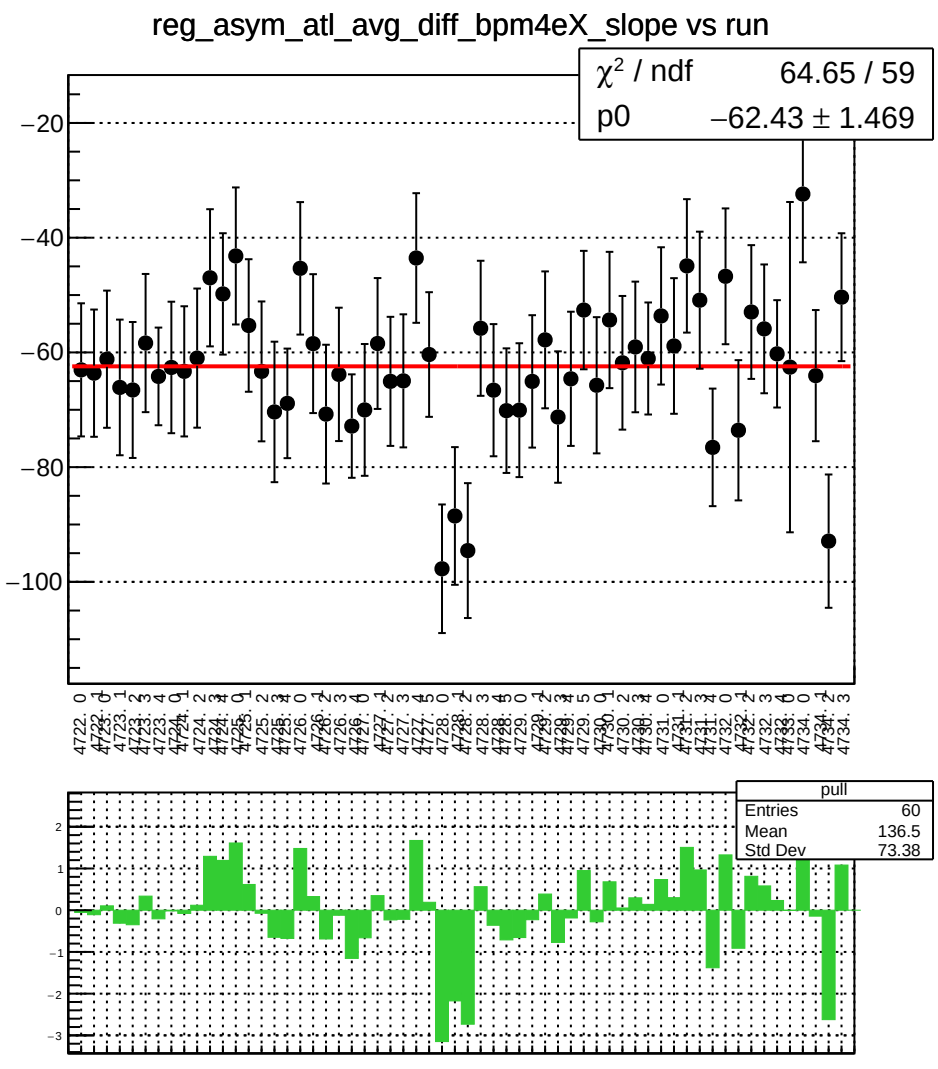

pull1D
Entries 60
Mean 0.002051
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

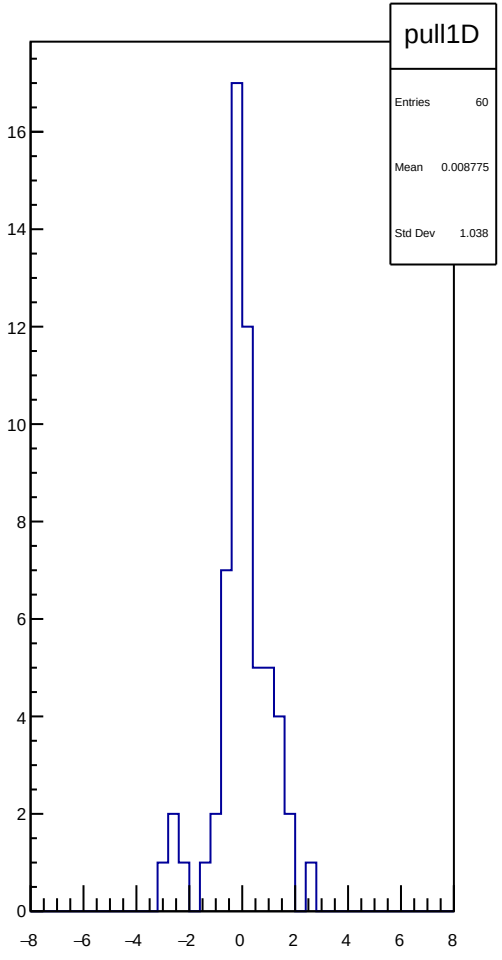

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 55.36 / 59
p0 −33.87 ± 2.039
pull
Entries 60
Mean 61.43
Std Dev 30.73
pull1D
Entries 60
Mean 0.02104
Std Dev 0.9603

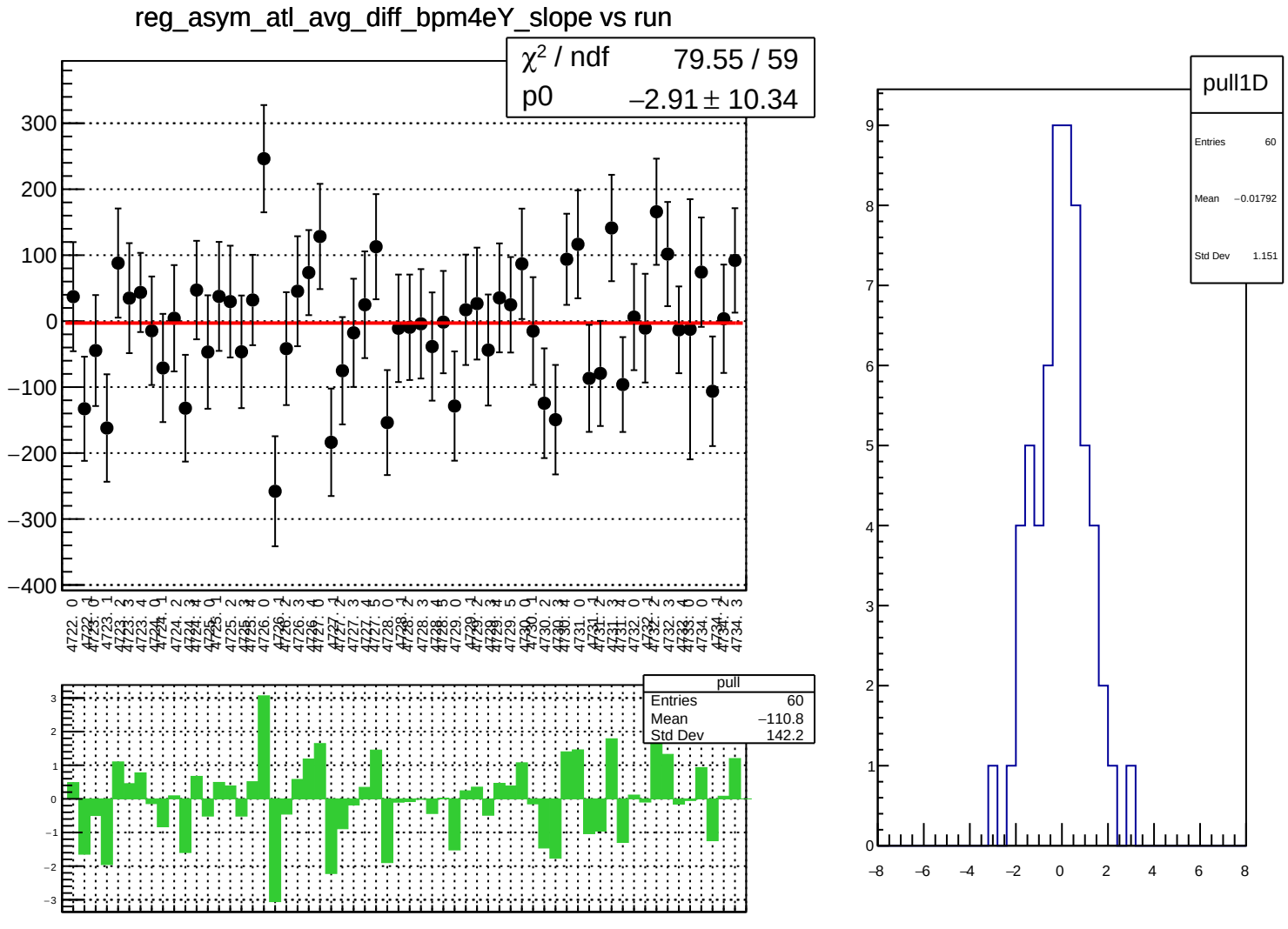

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 62.14 / 59
p0 20.22 ± 8.288
pull
Entries 60
Mean 67.21
Std Dev 68.31
pull1D
Entries 60
Mean 0.0081
Std Dev 1.018

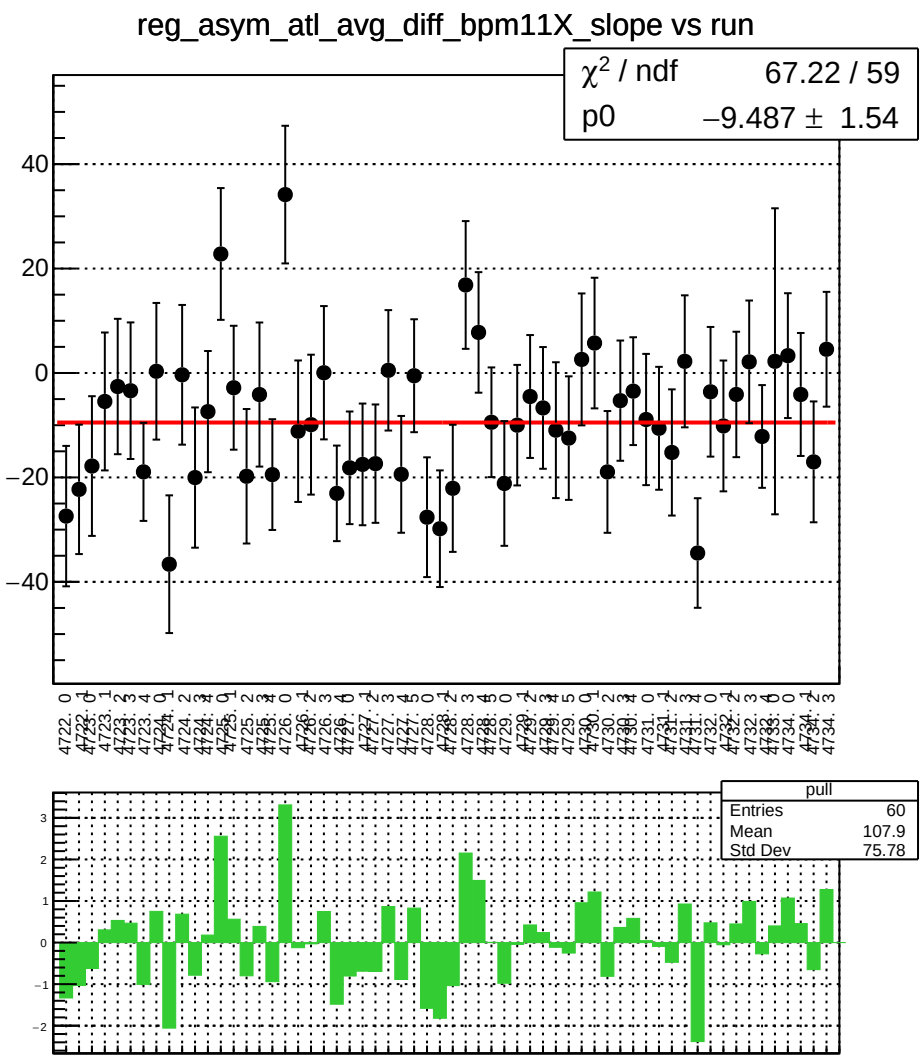

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.15 / 59
p0 −4.721 ± 7.878
pull
Entries 60
Mean −1116
Std Dev 1147

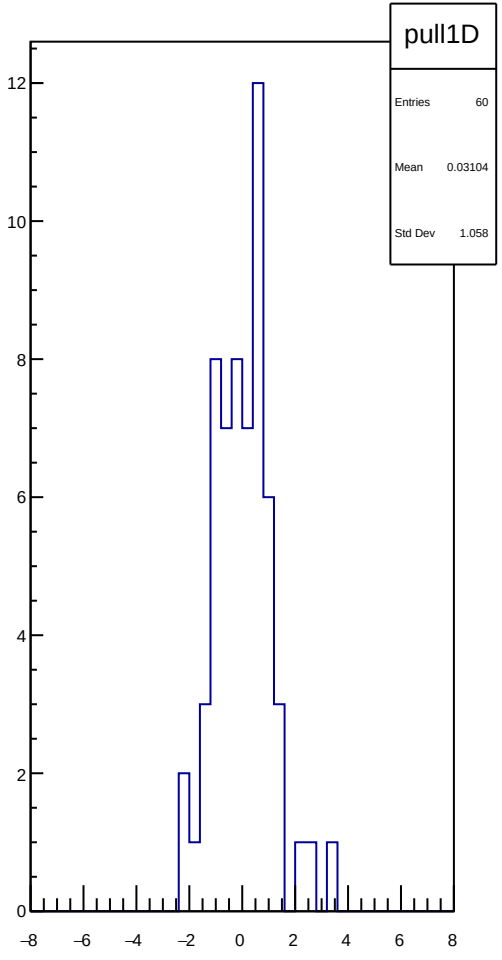

pull1D
Entries 60
Mean 0.002775
Std Dev 1.141

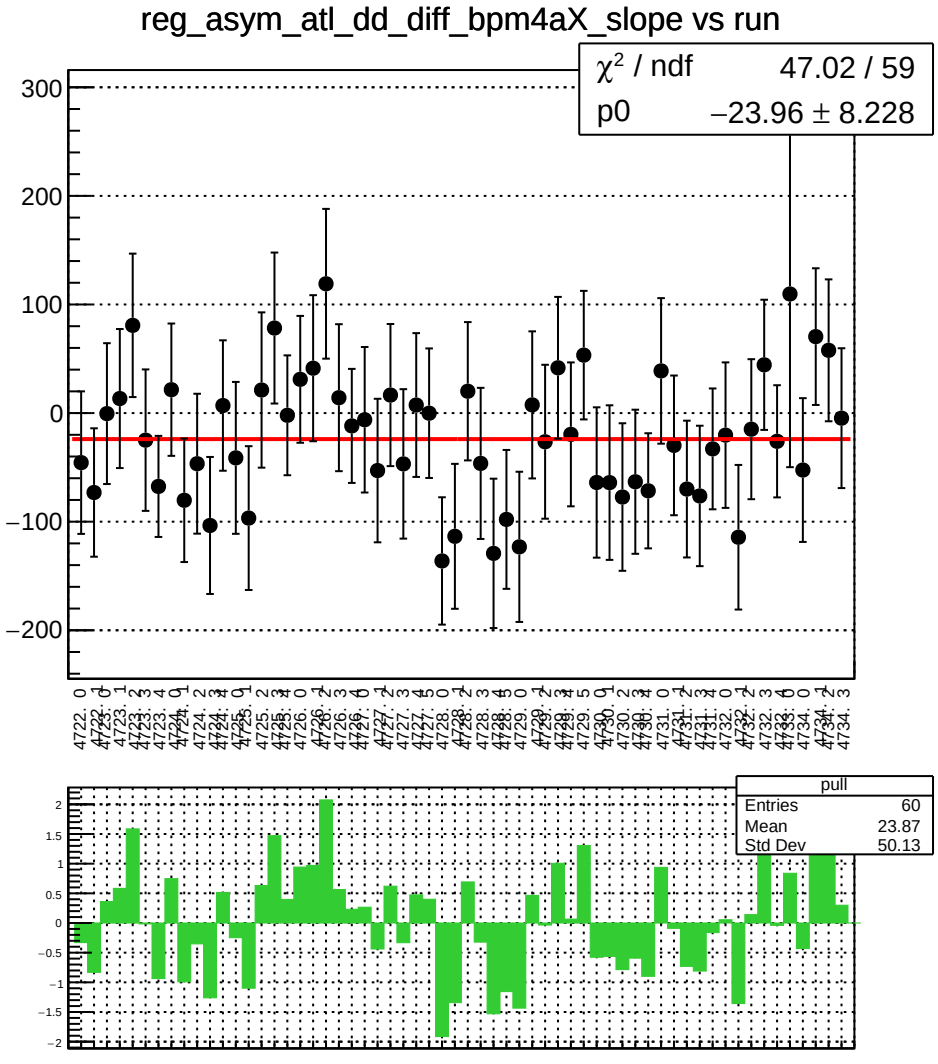

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.65 / 59
p0 −62.43 ± 1.469
pull
Entries 60
Mean 136.5
Std Dev 73.38

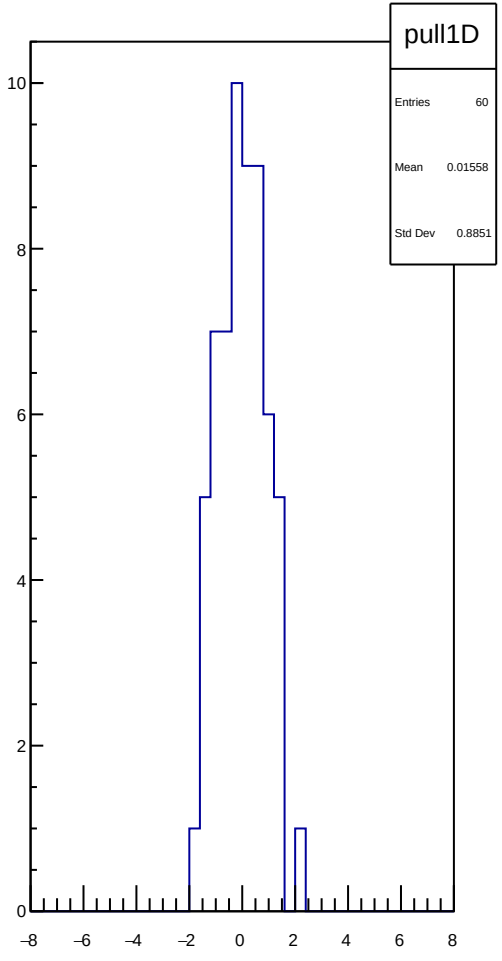

pull1D
Entries 60
Mean 0.008775
Std Dev 1.038

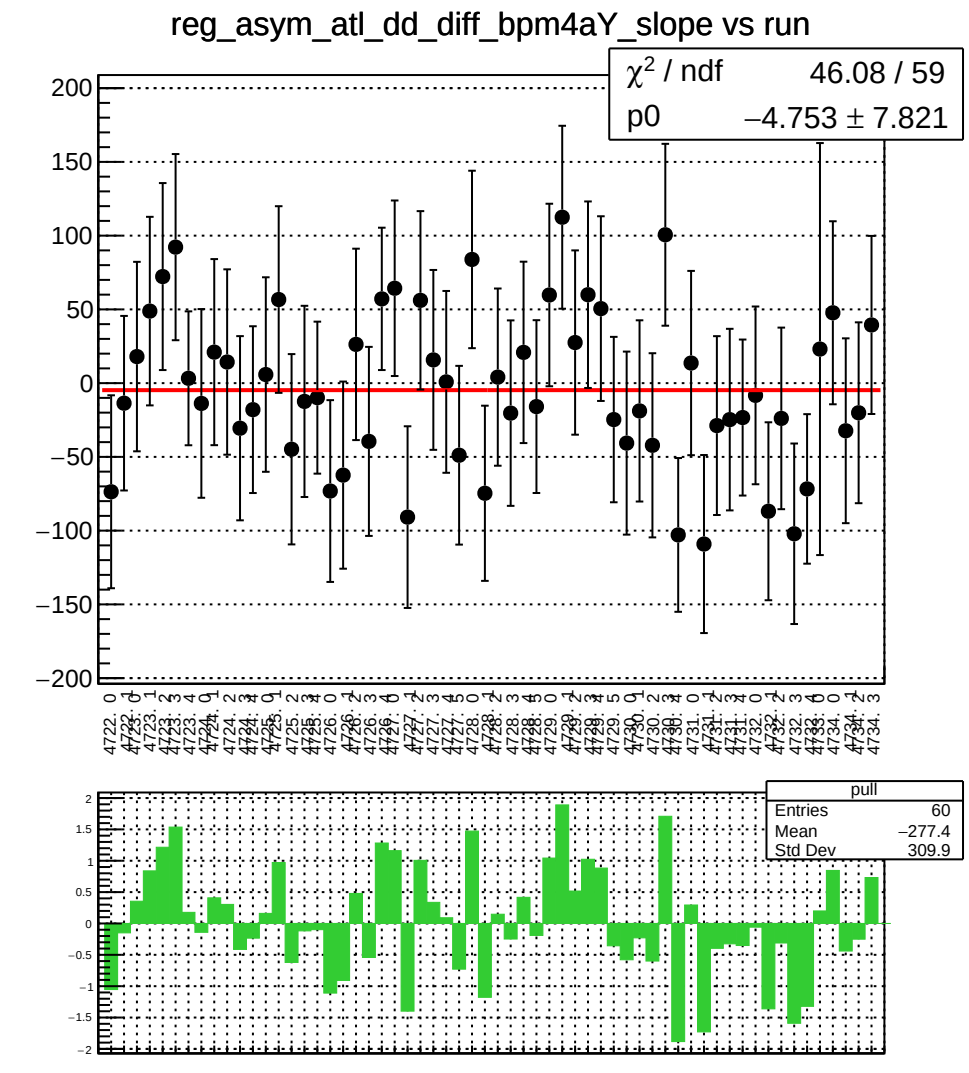

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.55 / 59
p0 −2.91 ± 10.34
pull
Entries 60
Mean −110.8
Std Dev 142.2
pull1D
Entries 60
Mean −0.01792
Std Dev 1.151

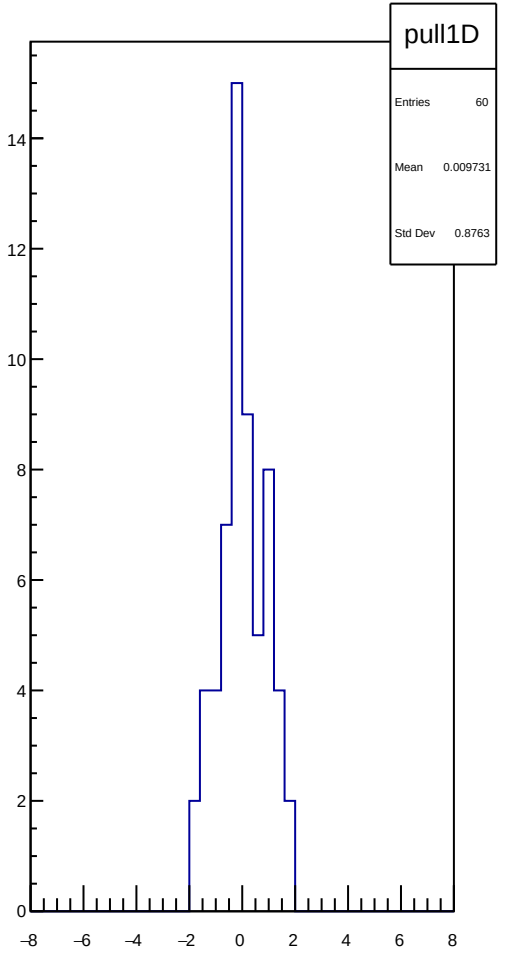

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 67.22 / 59
p0 −9.487 ± 1.54
pull
Entries 60
Mean 107.9
Std Dev 75.78

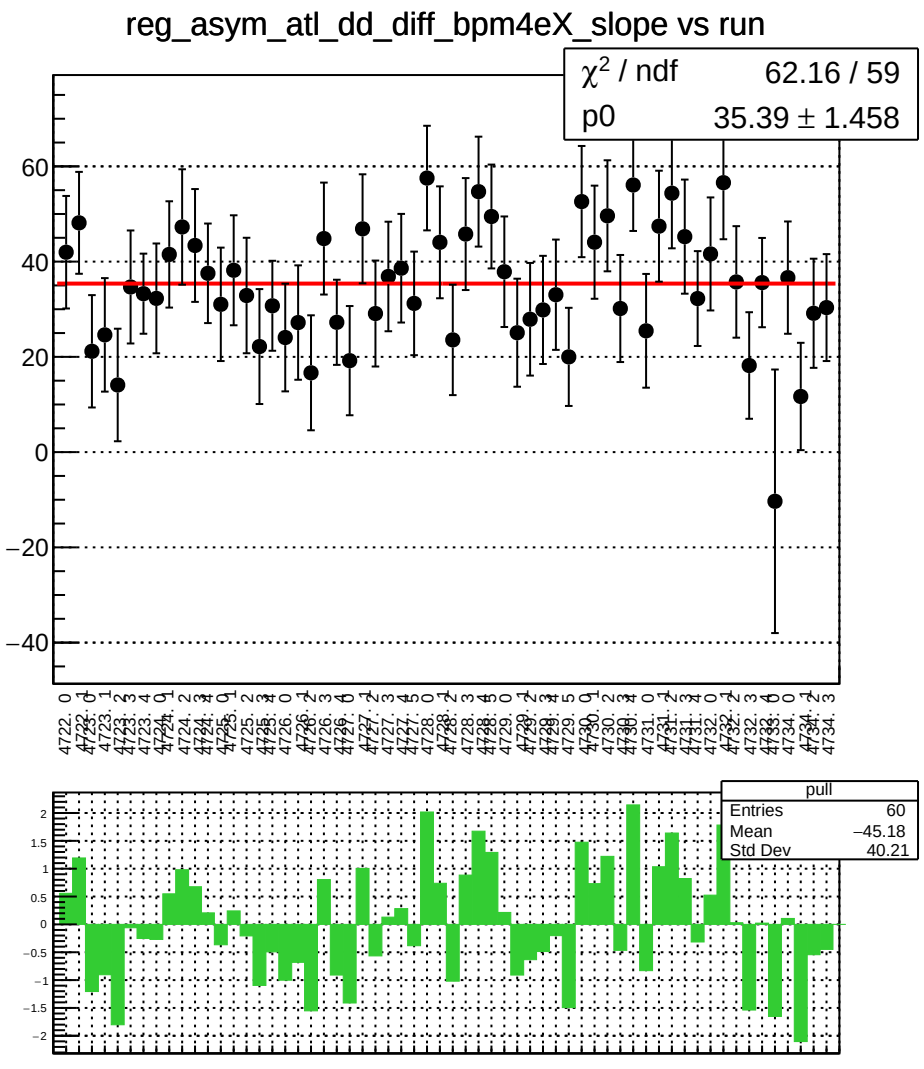

pull1D
Entries 60
Mean 0.03104
Std Dev 1.058

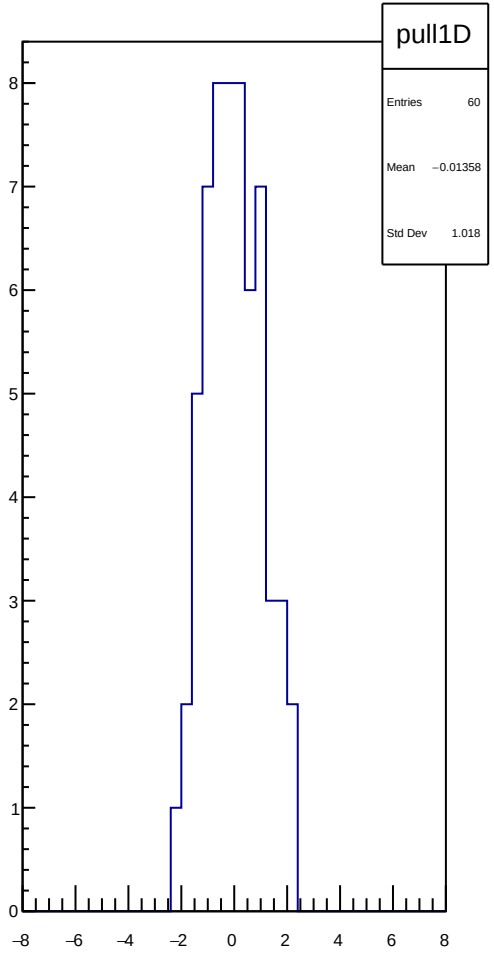

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 47.02 / 59
p0 −23.96 ± 8.228
pull
Entries 60
Mean 23.87
Std Dev 50.13

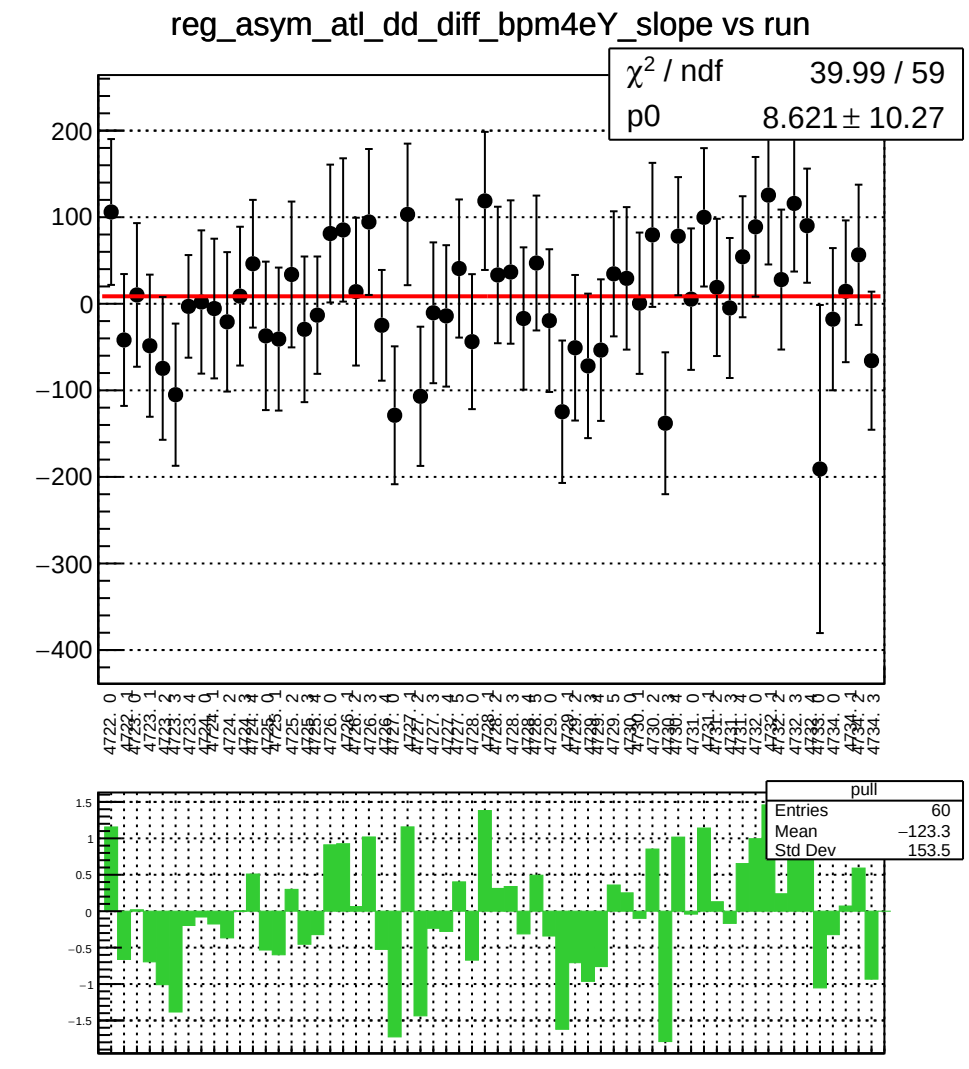

pull1D
Entries 60
Mean 0.01558
Std Dev 0.8851

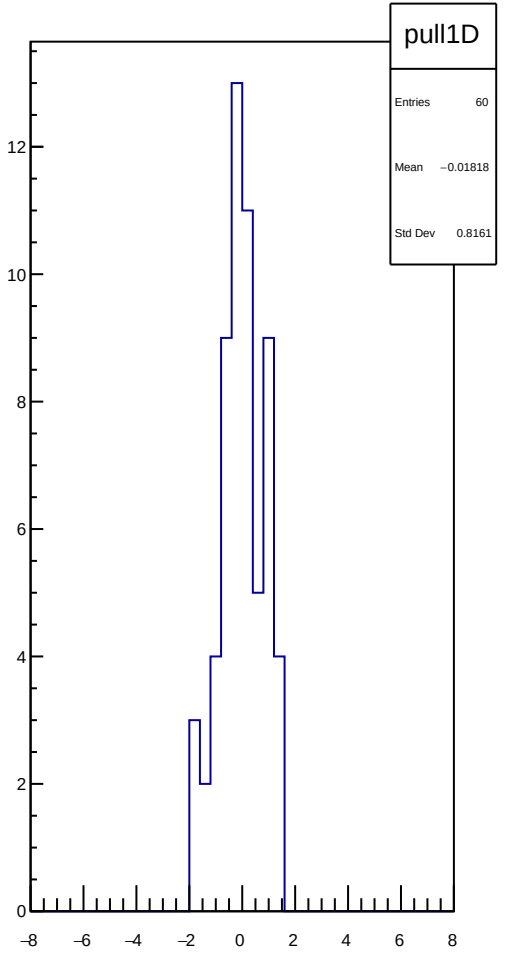

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.08 / 59
p0 −4.753 ± 7.821
pull
Entries 60
Mean −277.4
Std Dev 309.9

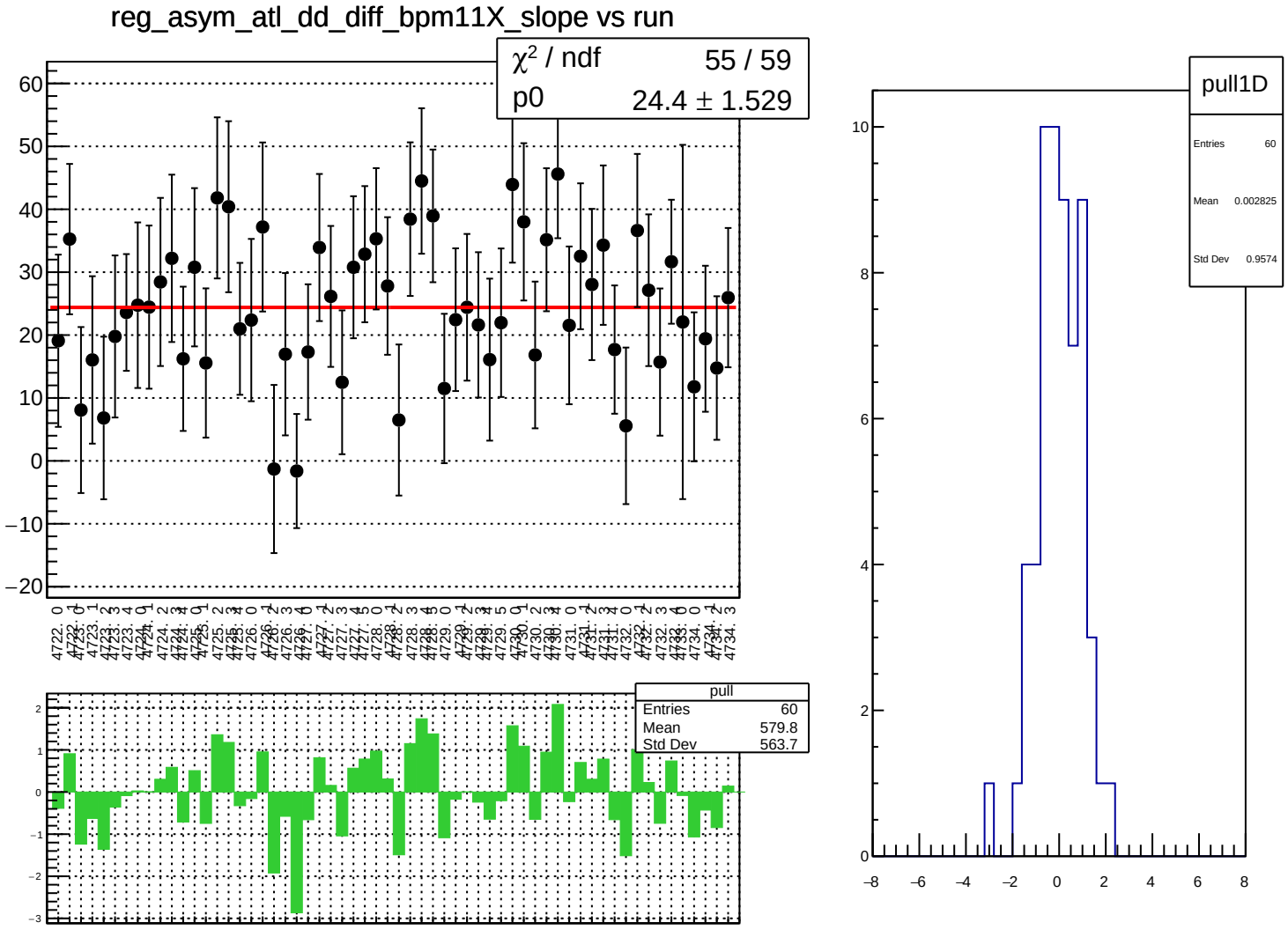

pull1D
Entries 60
Mean 0.009731
Std Dev 0.8763

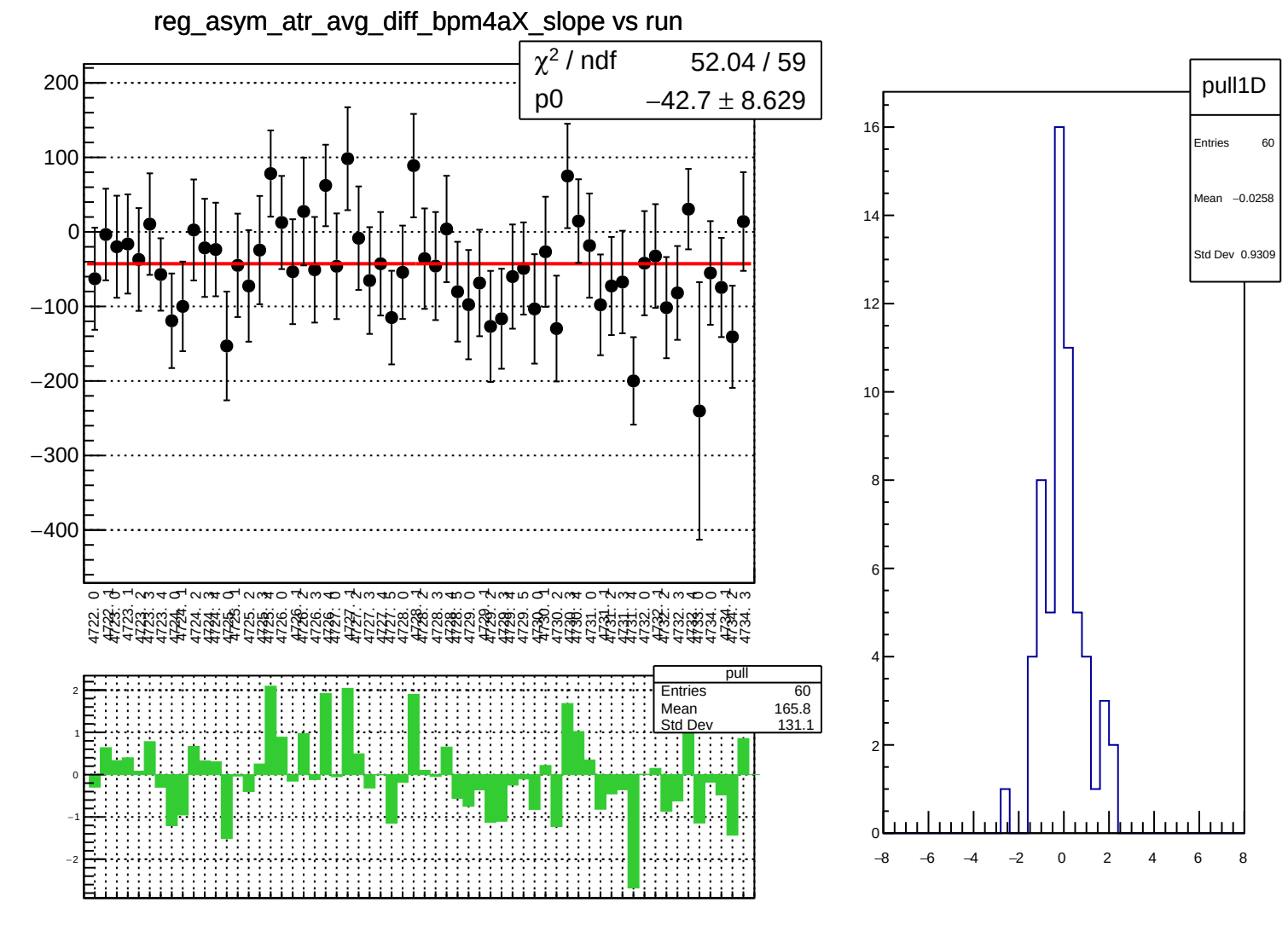

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.16 / 59
p0 35.39 ± 1.458
pull
Entries 60
Mean −45.18
Std Dev 40.21

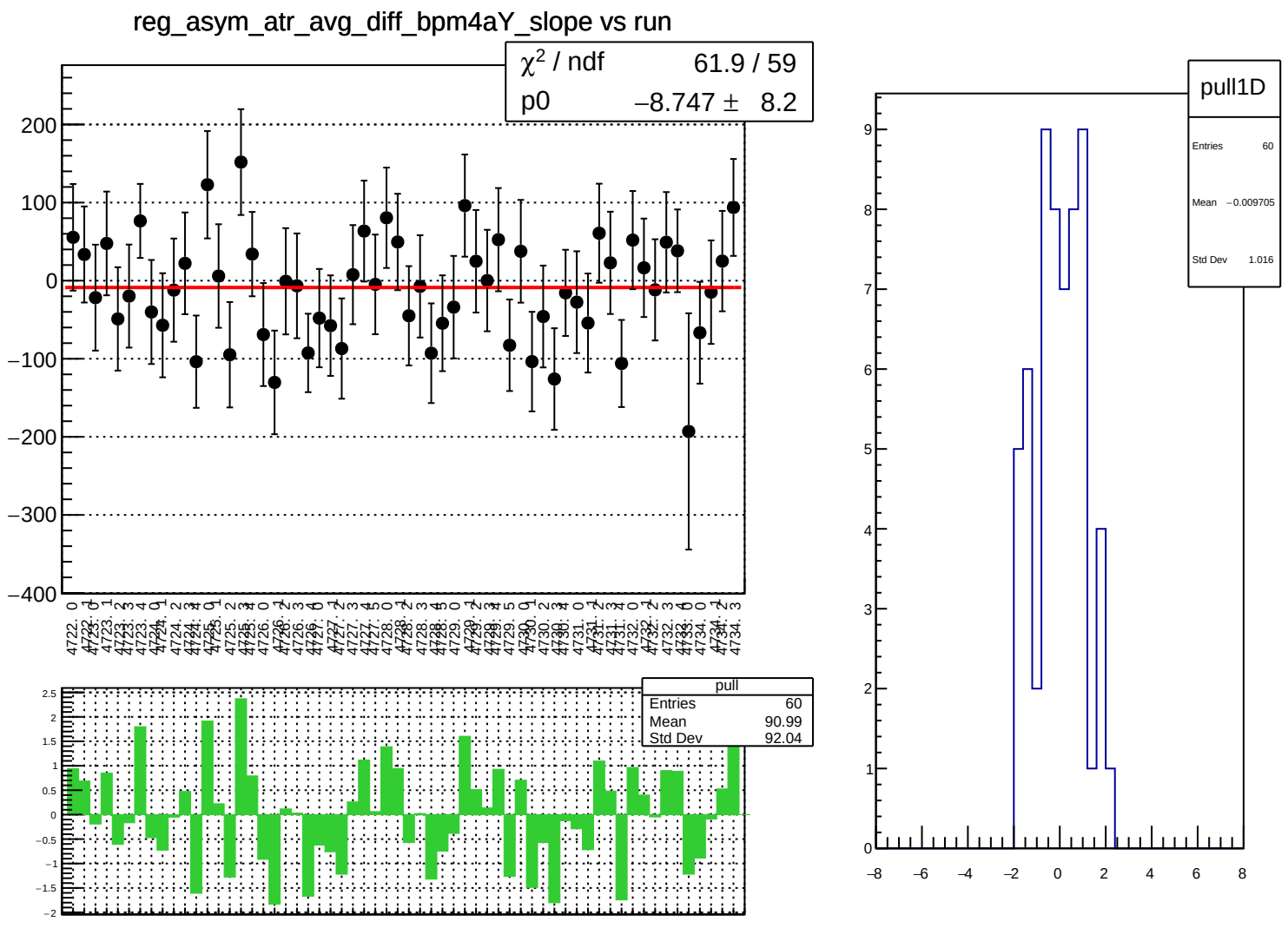

pull1D
Entries 60
Mean −0.01358
Std Dev 1.018

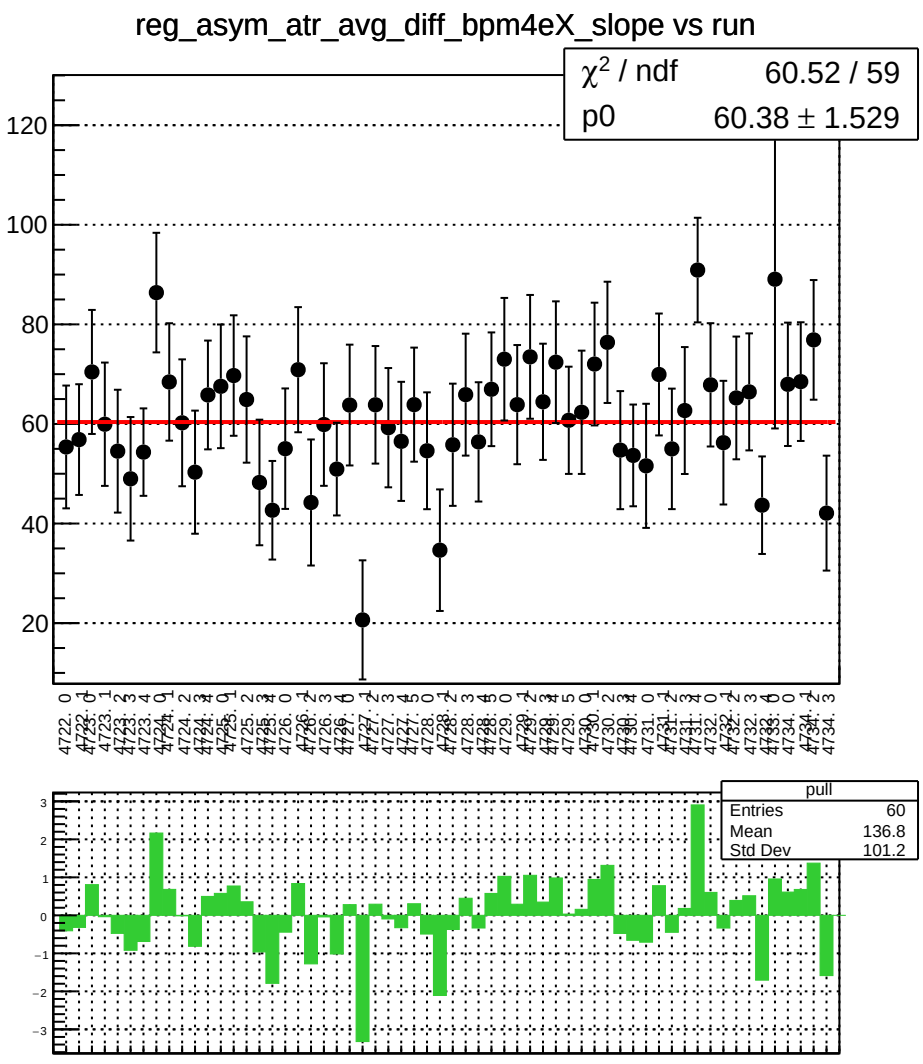

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.99 / 59
p0 8.621 ± 10.27
pull
Entries 60
Mean −123.3
Std Dev 153.5

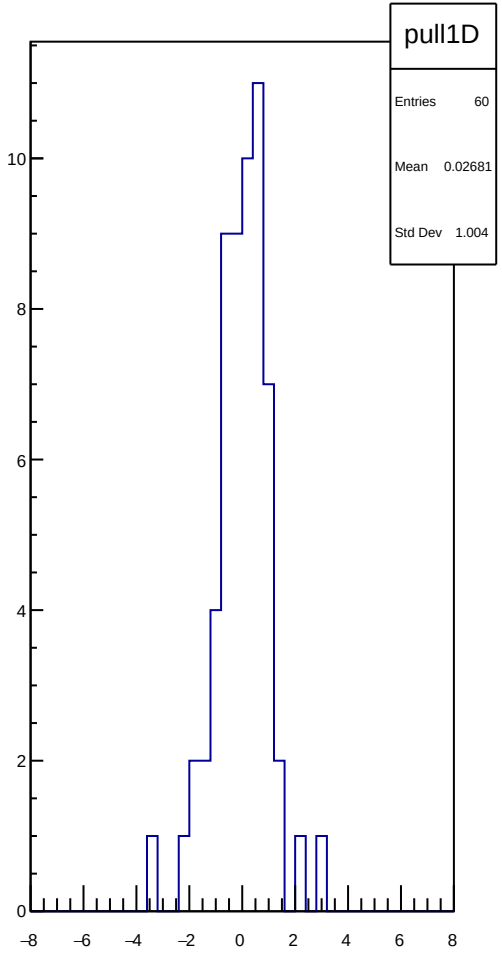

pull1D
Entries 60
Mean −0.01818
Std Dev 0.8161

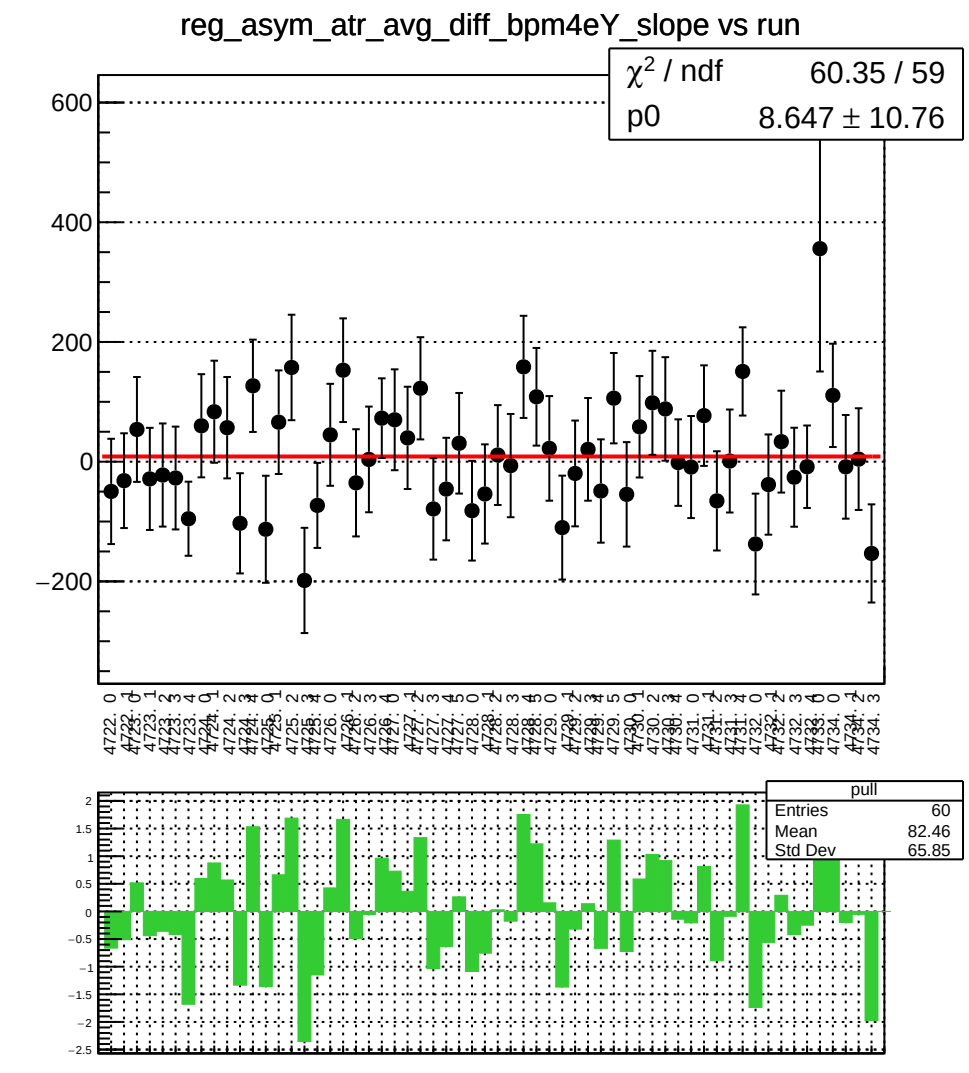

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 55 / 59
p0 24.4 ± 1.529
pull
Entries 60
Mean 579.8
Std Dev 563.7
pull1D
Entries 60
Mean 0.002825
Std Dev 0.9574

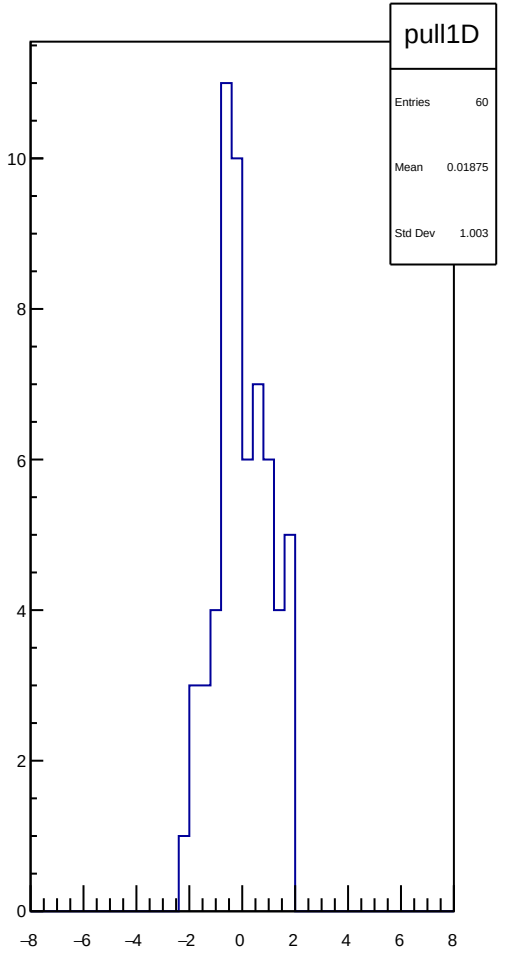

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 52.04 / 59
p0 −42.7 ± 8.629
pull
Entries 60
Mean 165.8
Std Dev 131.1
pull1D
Entries 60
Mean −0.0258
Std Dev 0.9309

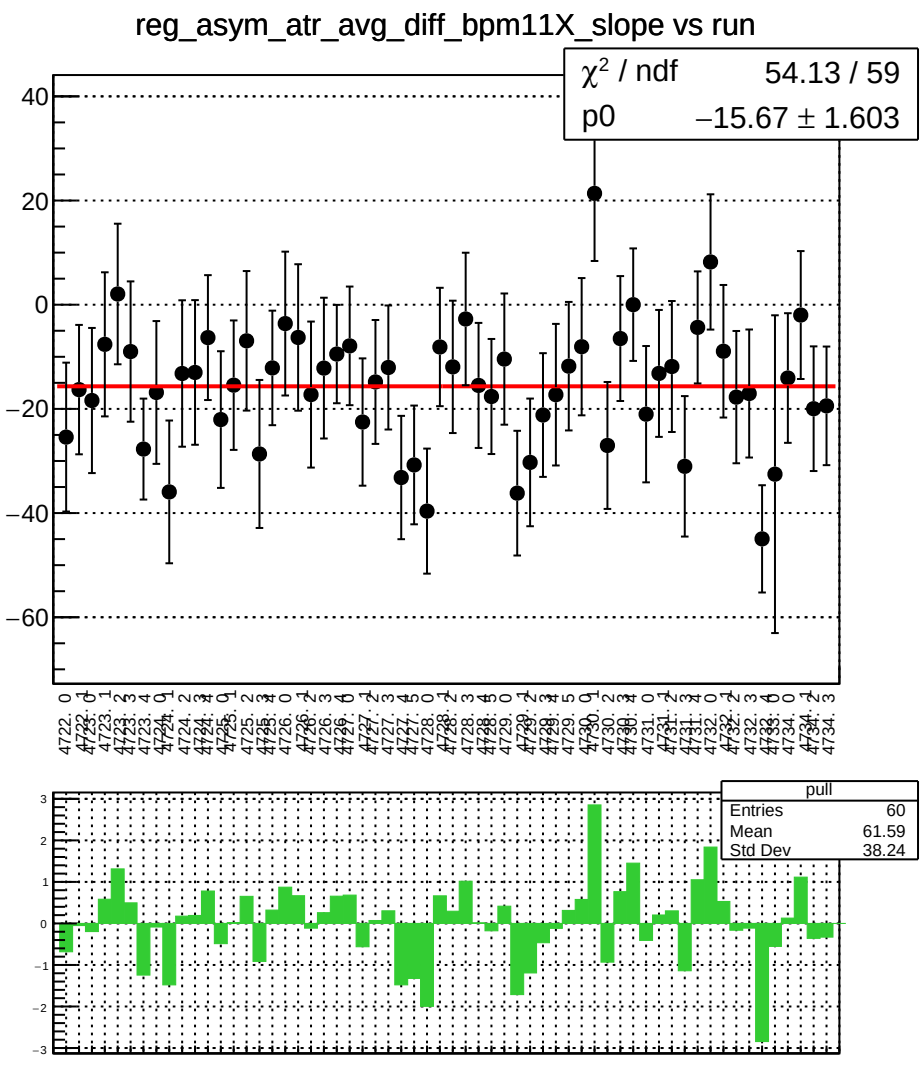

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.9 / 59
p0 −8.747 ± 8.2
pull
Entries 60
Mean 90.99
Std Dev 92.04
pull1D
Entries 60
Mean −0.009705
Std Dev 1.016

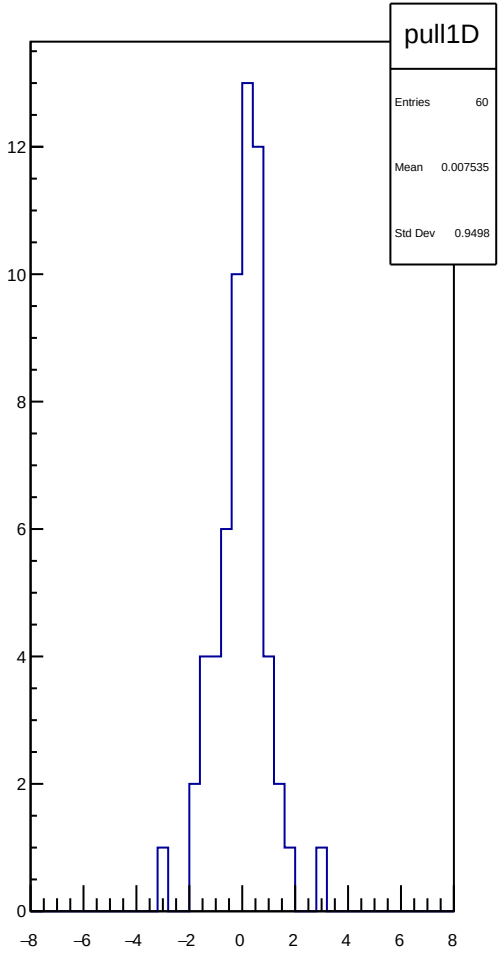

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.52 / 59
p0 60.38 ± 1.529
pull
Entries 60
Mean 136.8
Std Dev 101.2

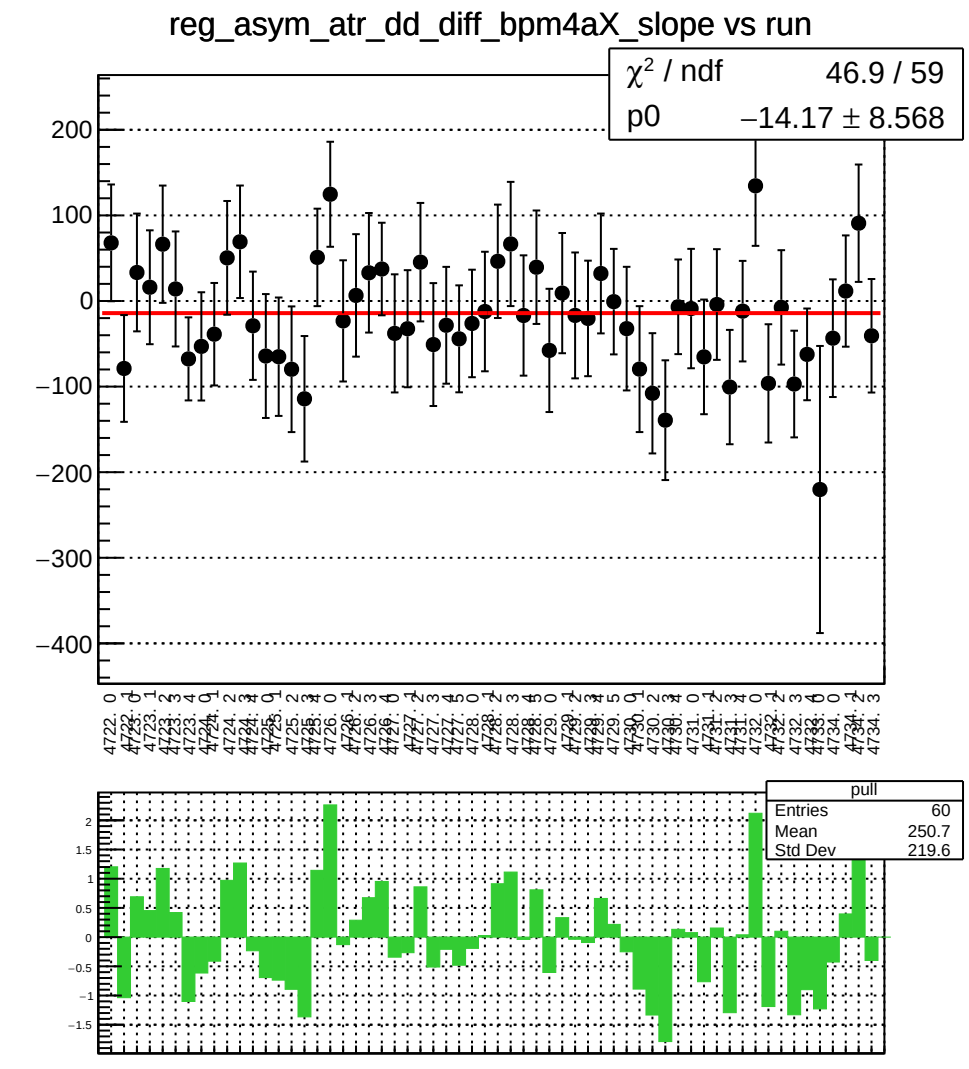

pull1D
Entries 60
Mean 0.02681
Std Dev 1.004

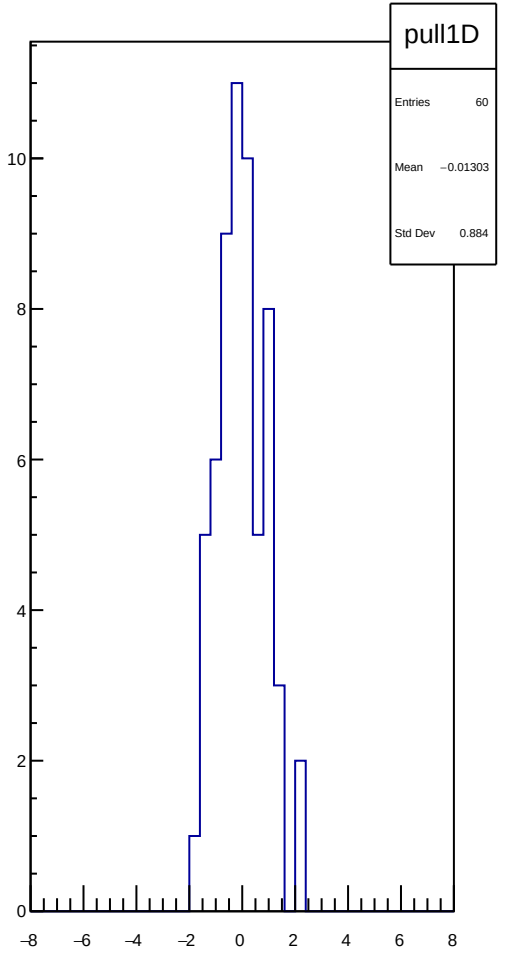

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.35 / 59
p0 8.647 ± 10.76
pull
Entries 60
Mean 82.46
Std Dev 65.85

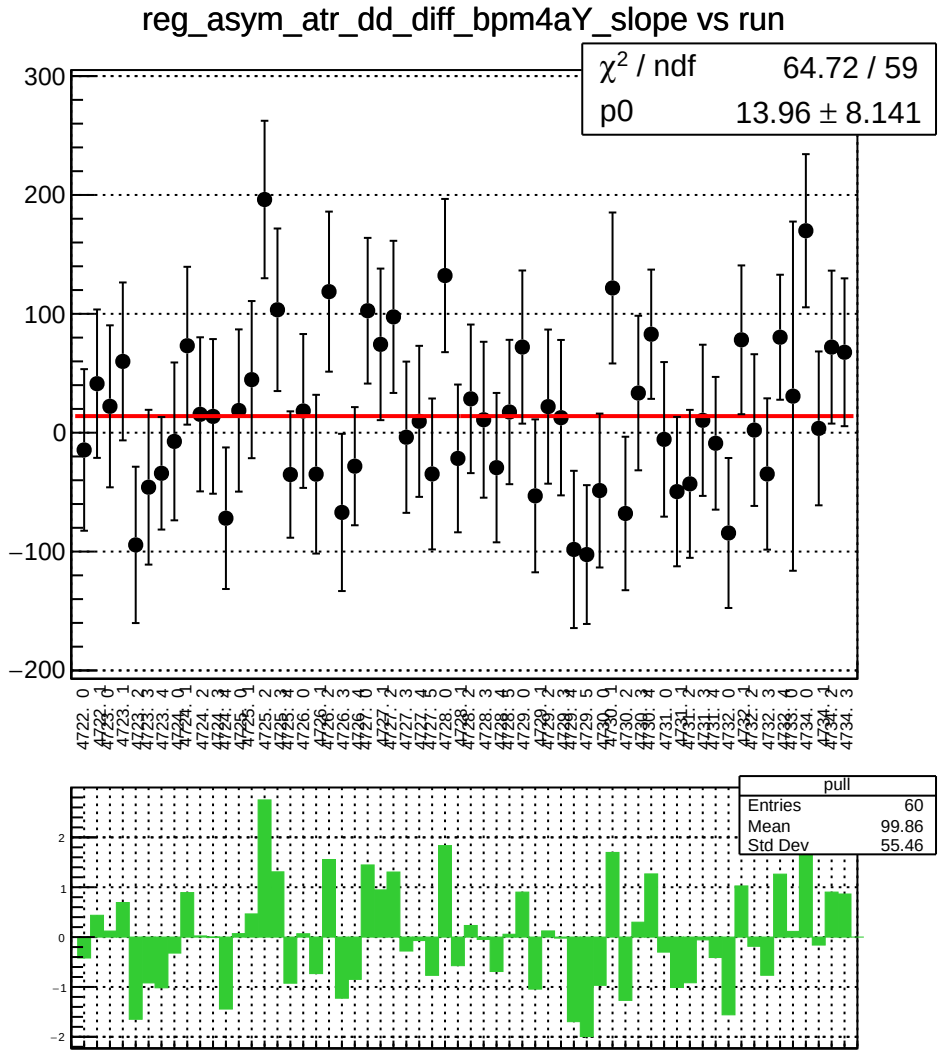

pull1D
Entries 60
Mean 0.01875
Std Dev 1.003

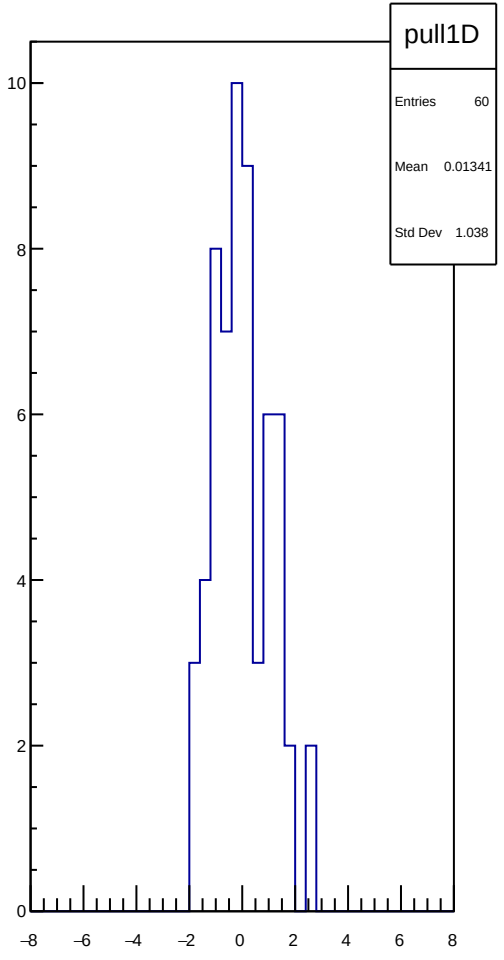

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 54.13 / 59
p0 −15.67 ± 1.603
pull
Entries 60
Mean 61.59
Std Dev 38.24

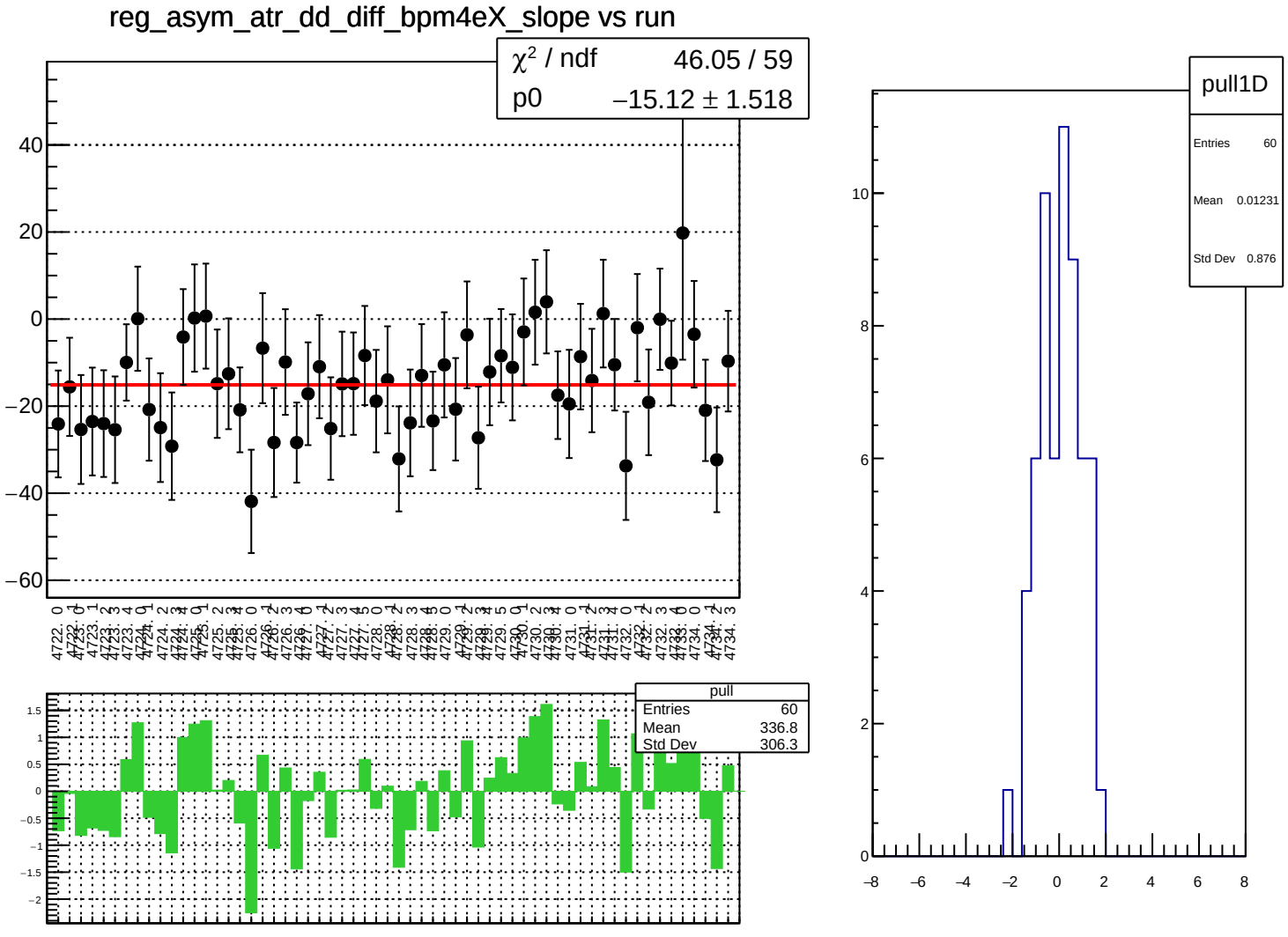

pull1D
Entries 60
Mean 0.007535
Std Dev 0.9498

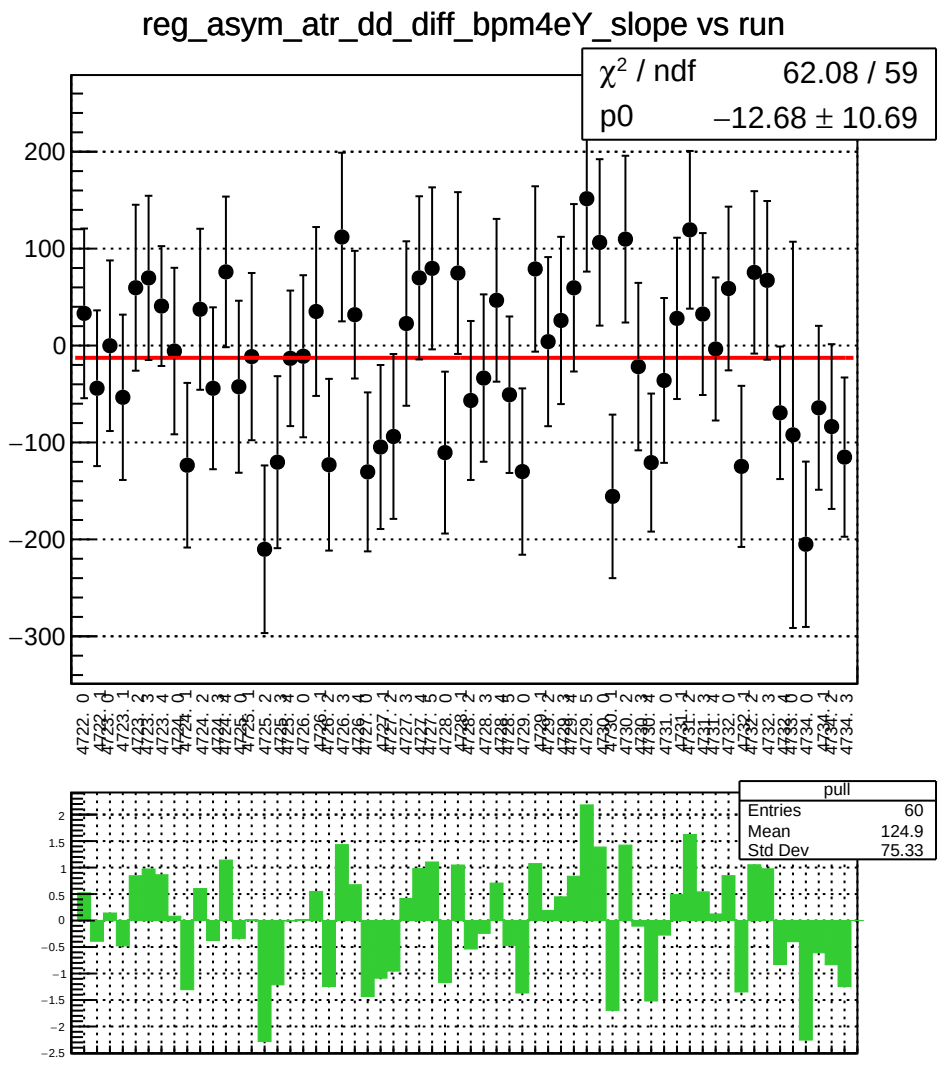

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 46.9 / 59
p0 −14.17 ± 8.568
200
100
0
−100
−200
−300
−400
pull
Entries 60
Mean 250.7
Std Dev 219.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

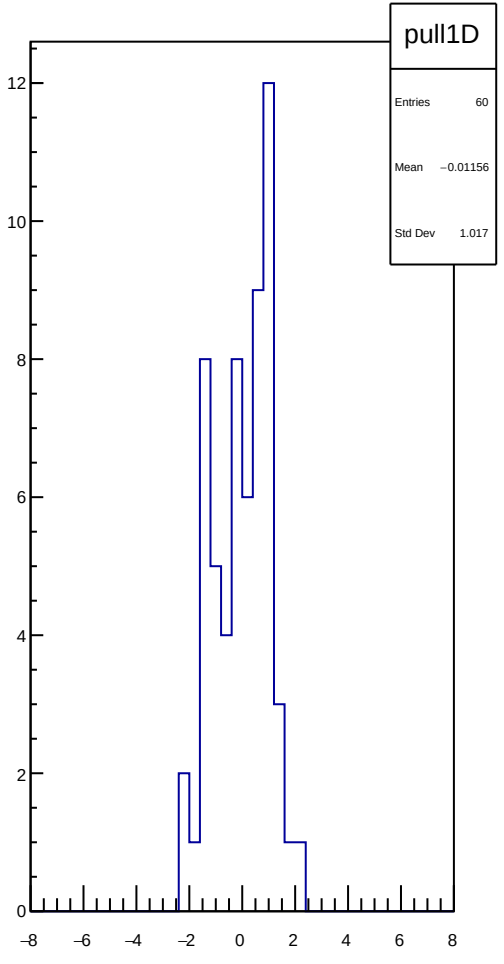

pull1D
Entries 60
Mean −0.01303
Std Dev 0.884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

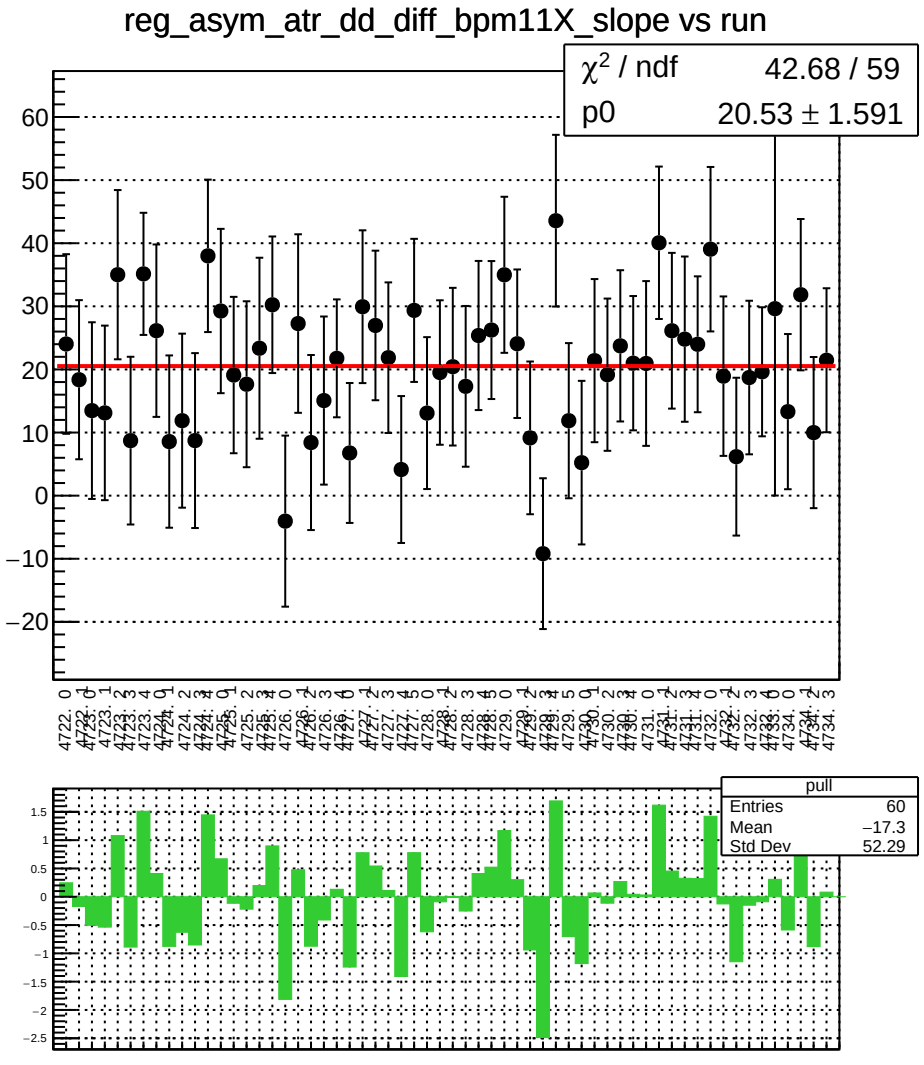

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.72 / 59
p0 13.96 ± 8.141
pull
Entries 60
Mean 99.86
Std Dev 55.46

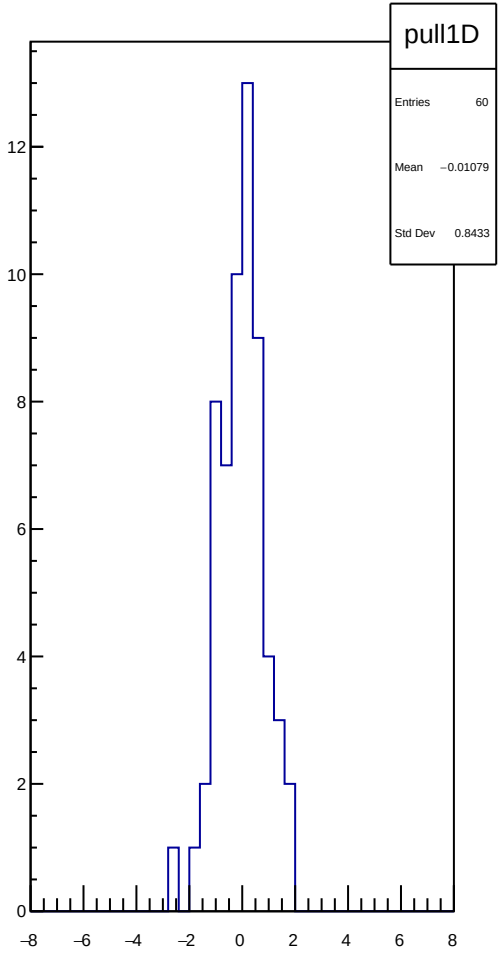

pull1D
Entries 60
Mean 0.01341
Std Dev 1.038

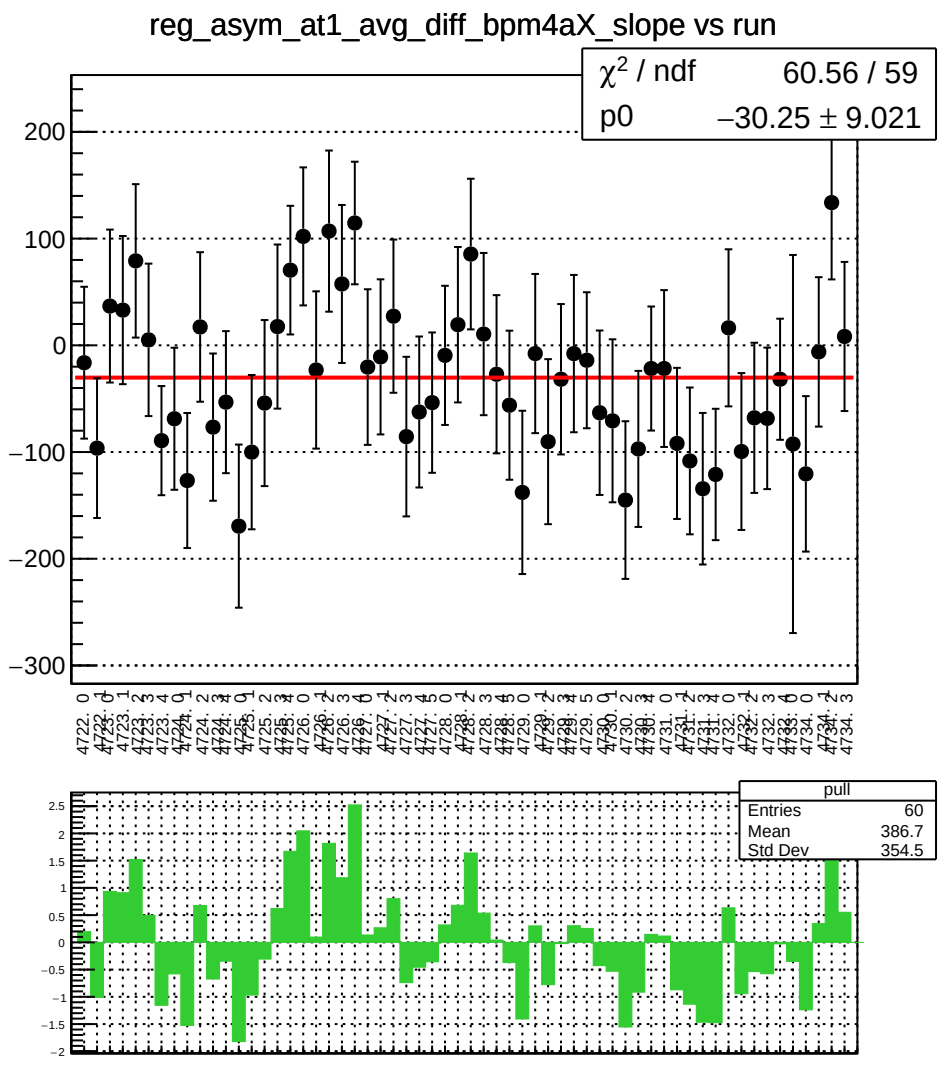

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.05 / 59
p0 −15.12 ± 1.518
pull
Entries 60
Mean 336.8
Std Dev 306.3
pull1D
Entries 60
Mean 0.01231
Std Dev 0.876

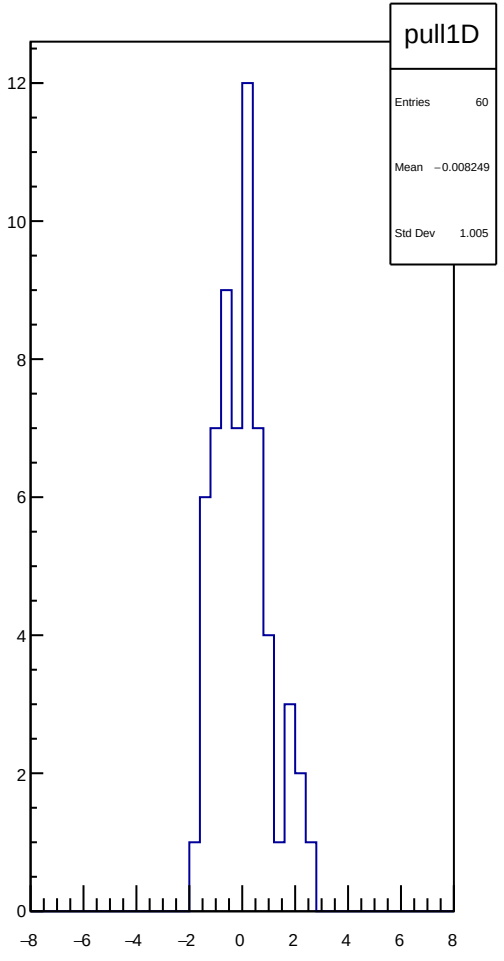

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.08 / 59
p0 −12.68 ± 10.69
200
100
0
−100
−200
−300
pull
Entries 60
Mean 124.9
Std Dev 75.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

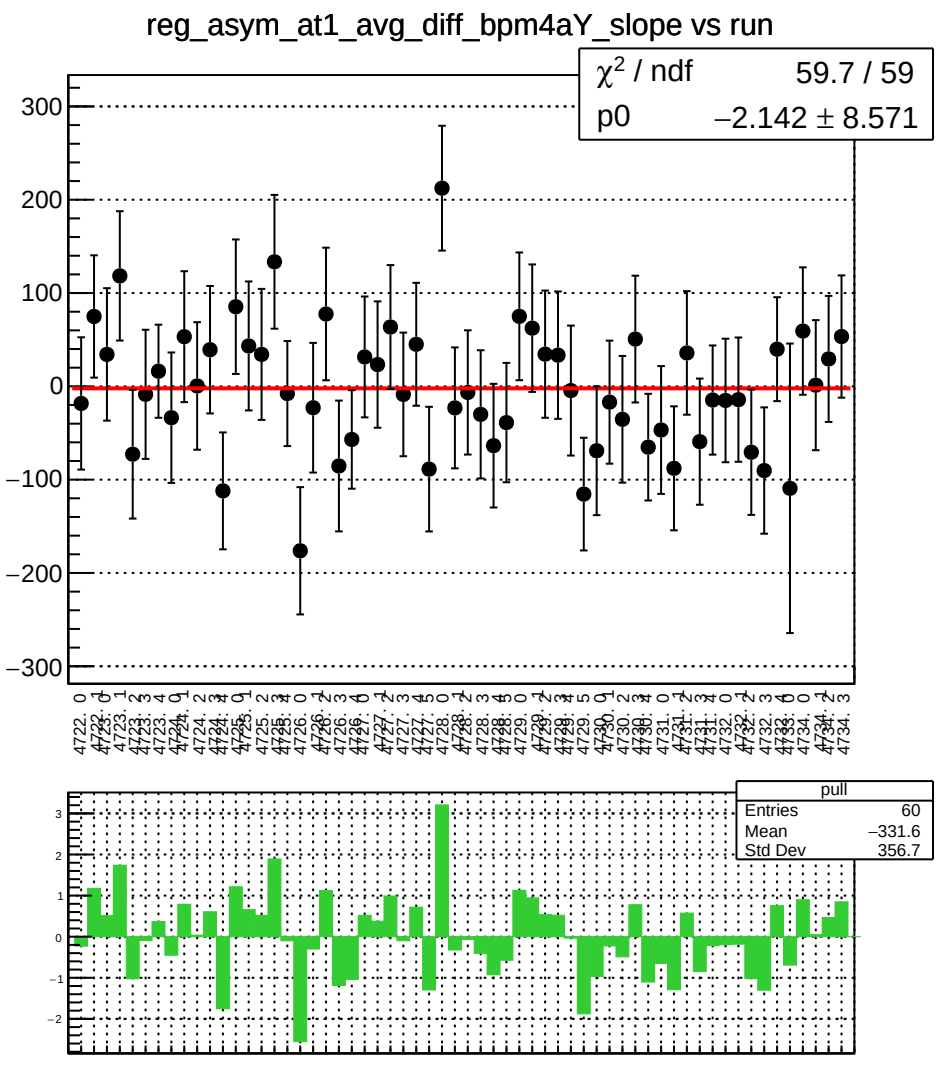

pull1D
Entries 60
Mean −0.01156
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

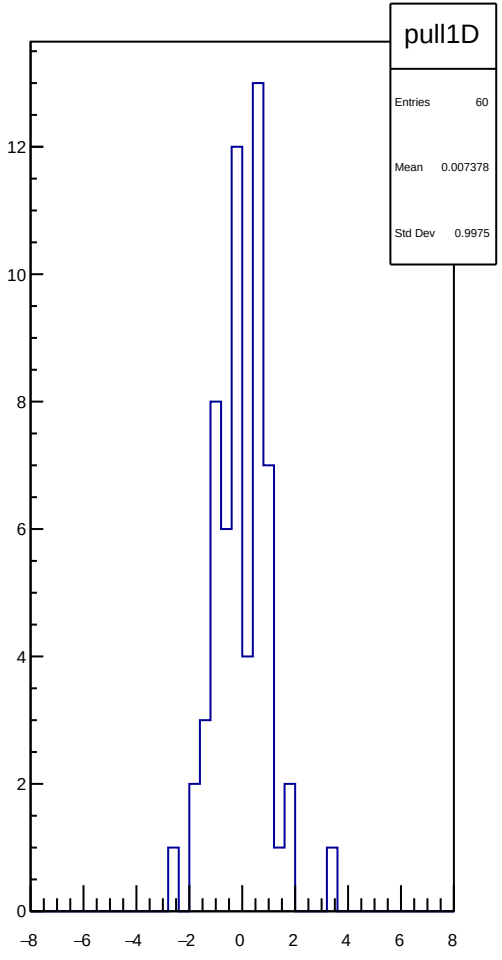

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 42.68 / 59
p0 20.53 ± 1.591
pull
Entries 60
Mean −17.3
Std Dev 52.29

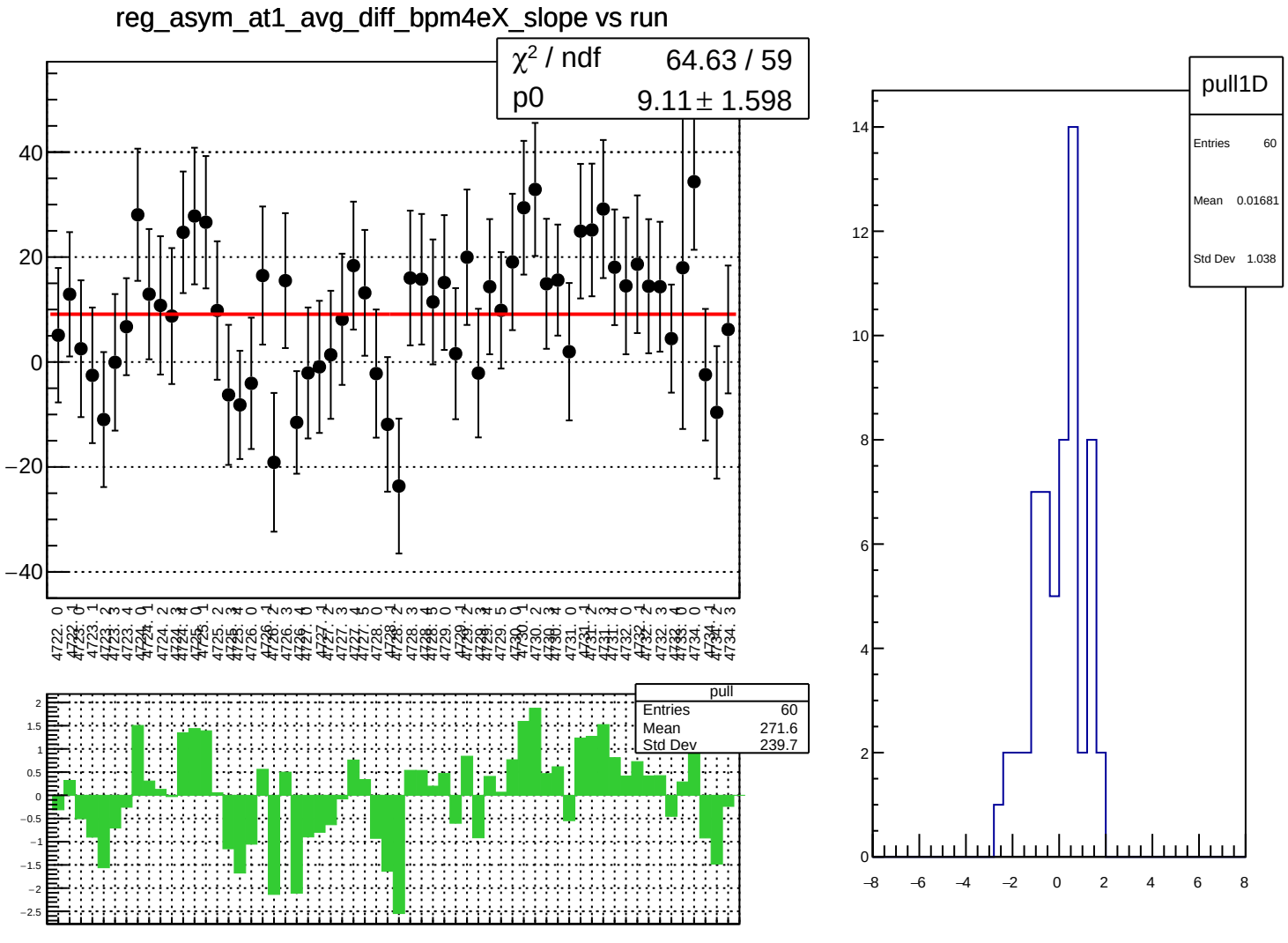

pull1D
Entries 60
Mean −0.01079
Std Dev 0.8433

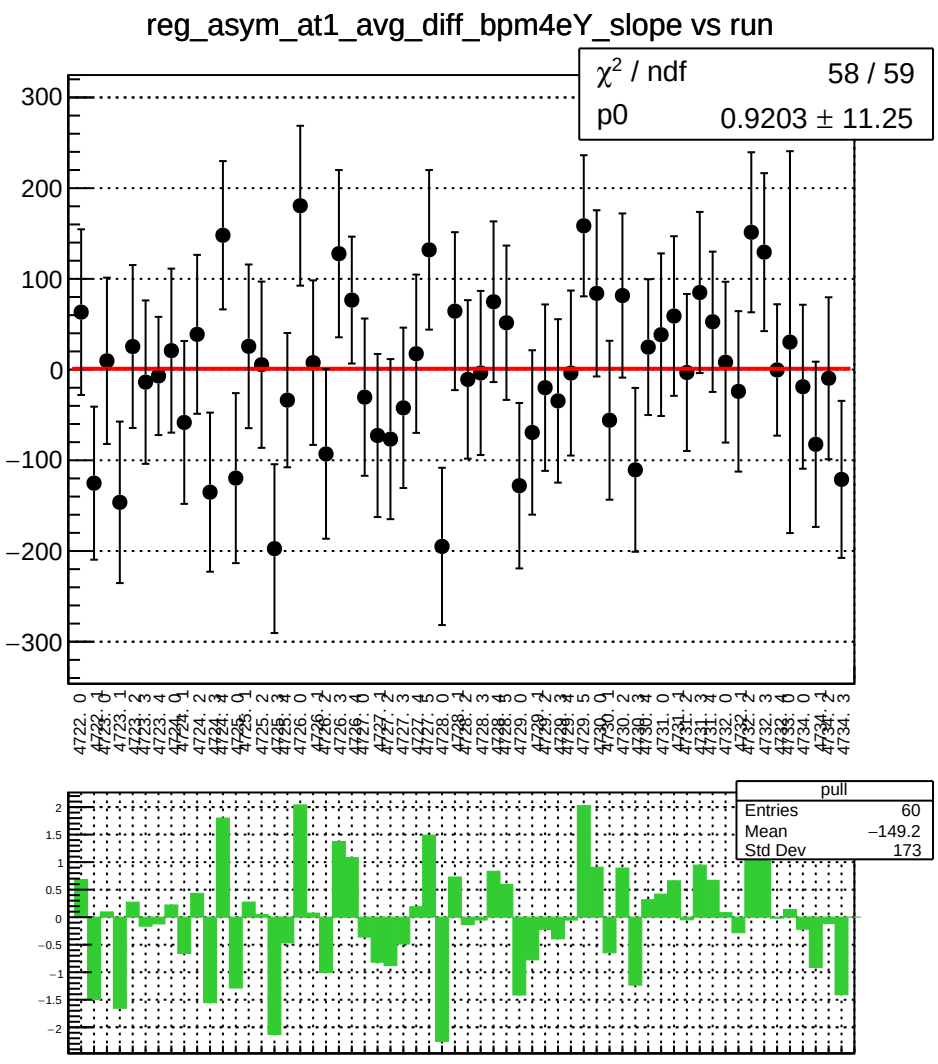

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 60.56 / 59
p0 −30.25 ± 9.021
pull
Entries 60
Mean 386.7
Std Dev 354.5

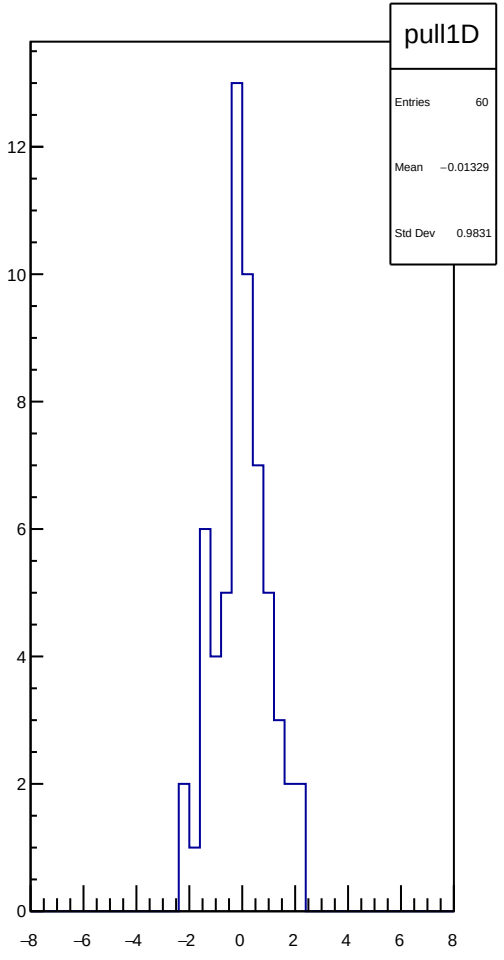

pull1D
Entries 60
Mean −0.008249
Std Dev 1.005

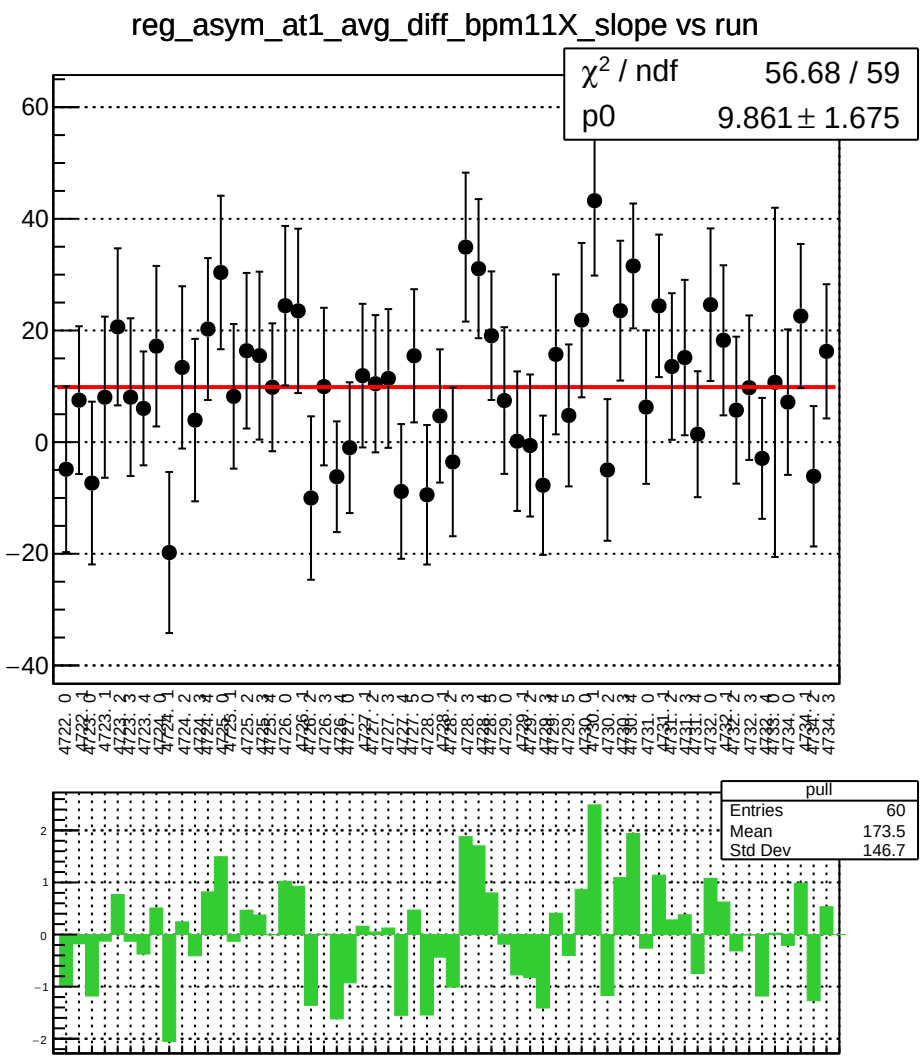

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.7 / 59
p0 −2.142 ± 8.571
pull
Entries 60
Mean −331.6
Std Dev 356.7

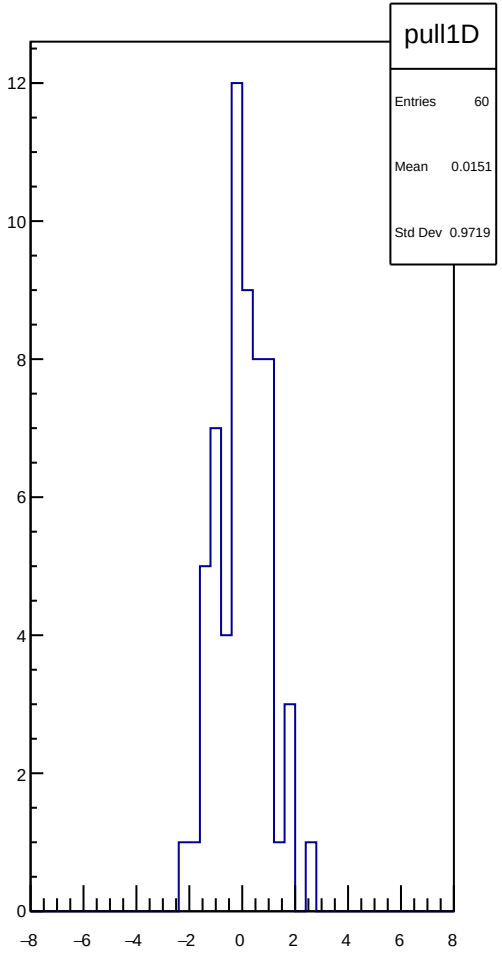

pull1D
Entries 60
Mean 0.007378
Std Dev 0.9975

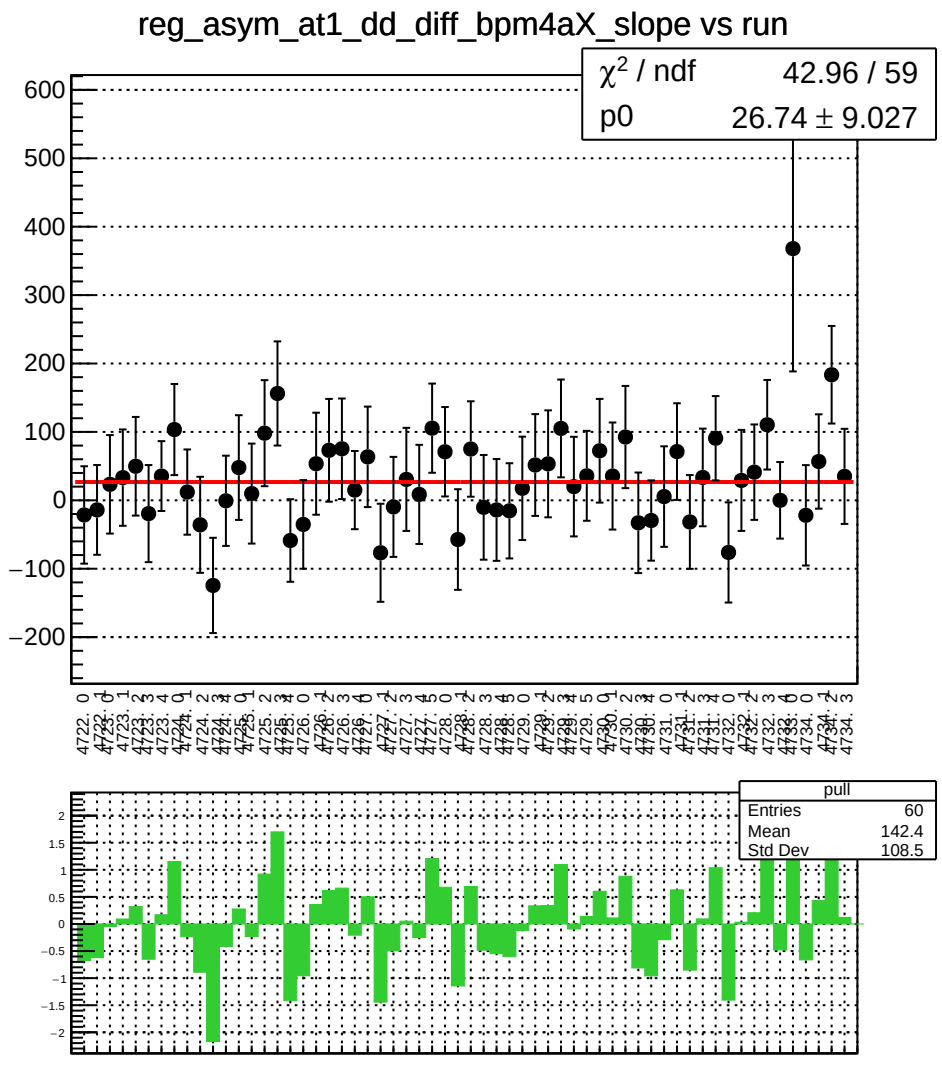

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.63 / 59
p0 9.11 ± 1.598
pull
Entries 60
Mean 271.6
Std Dev 239.7
pull1D
Entries 60
Mean 0.01681
Std Dev 1.038

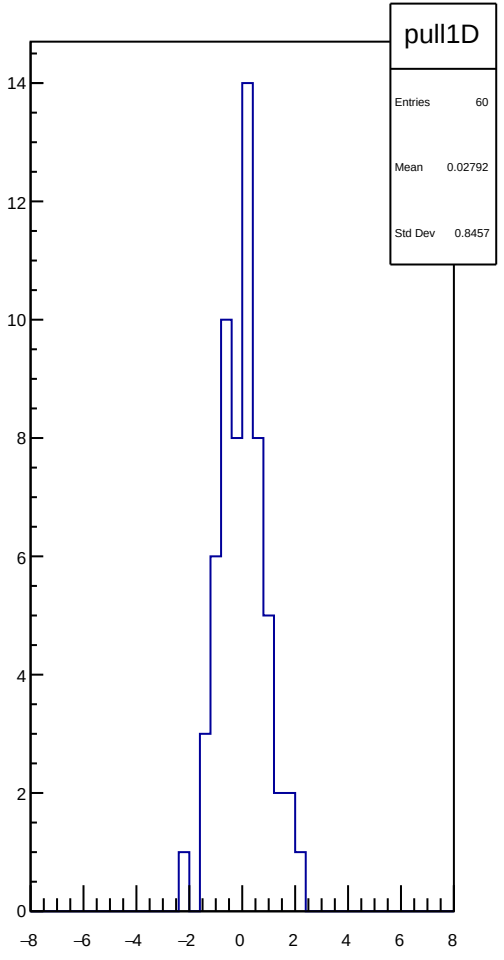

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 58 / 59
p0 0.9203 ± 11.25
pull
Entries 60
Mean −149.2
Std Dev 173

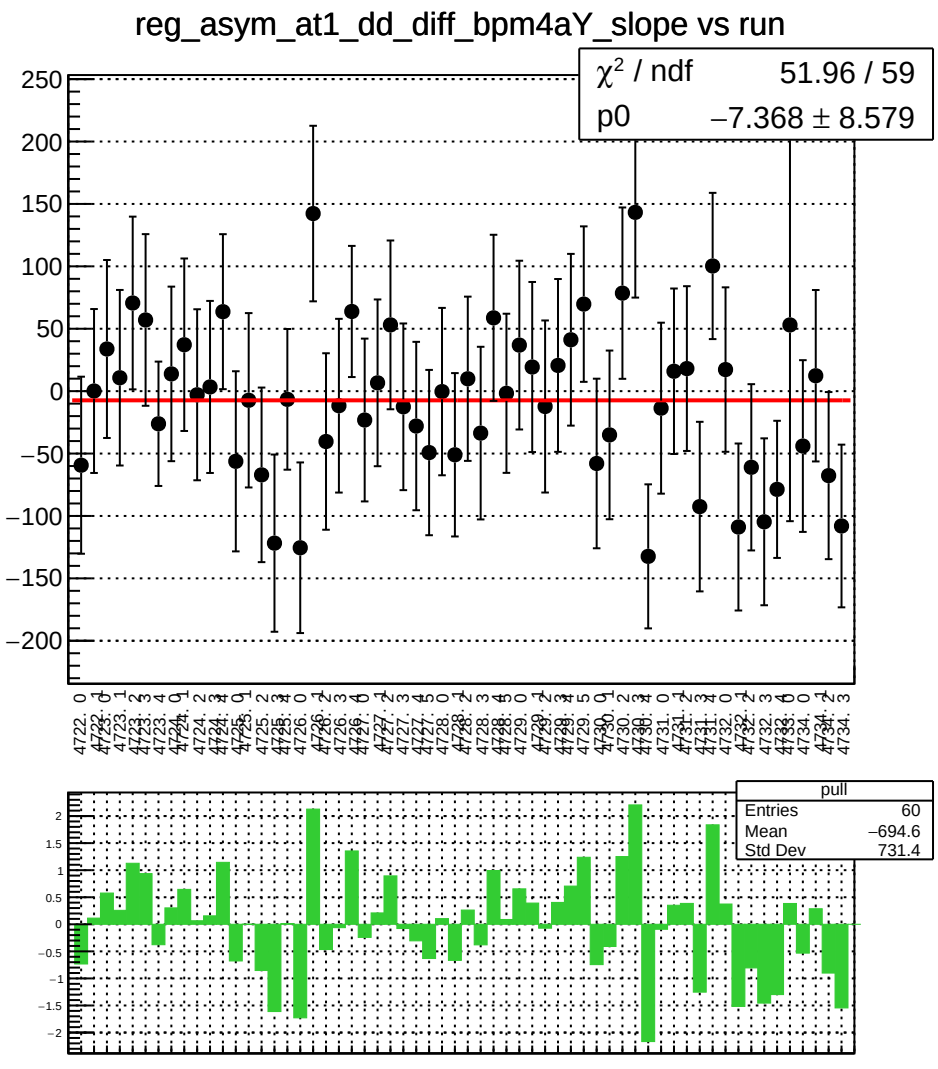

pull1D
Entries 60
Mean −0.01329
Std Dev 0.9831

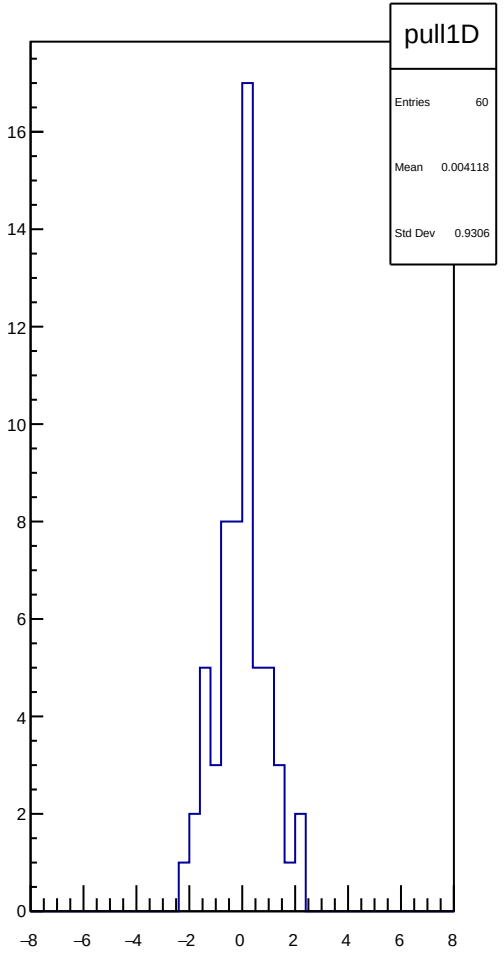

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 56.68 / 59
p0 9.861 ± 1.675
pull
Entries 60
Mean 173.5
Std Dev 146.7

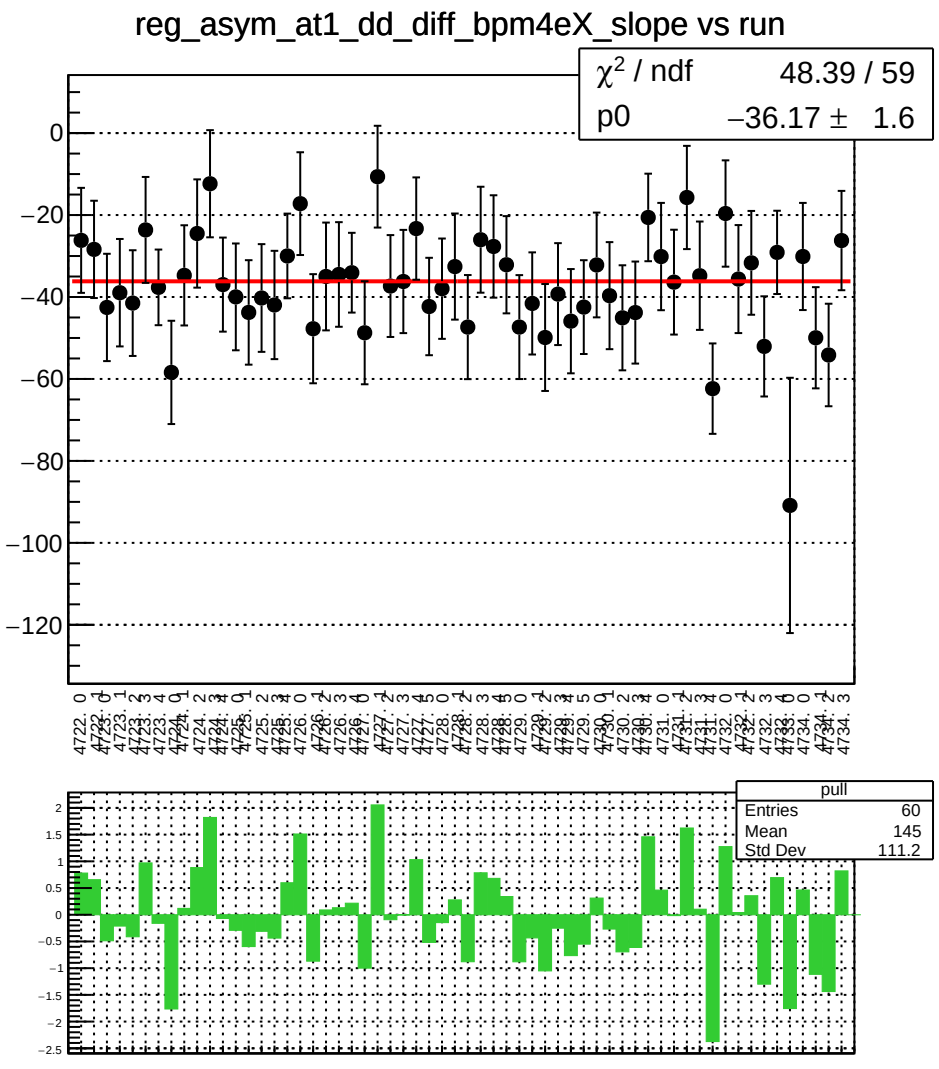

pull1D
Entries 60
Mean 0.0151
Std Dev 0.9719

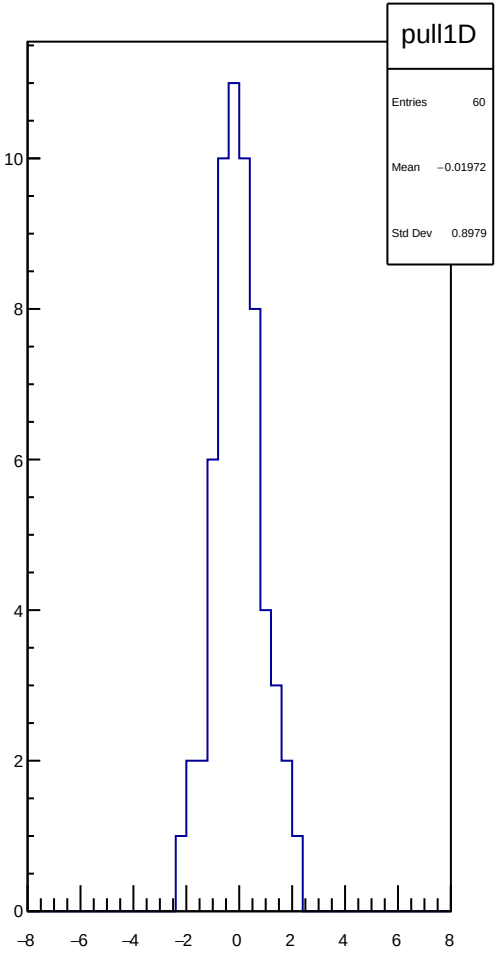

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.96 / 59
p0 26.74 ± 9.027
pull
Entries 60
Mean 142.4
Std Dev 108.5

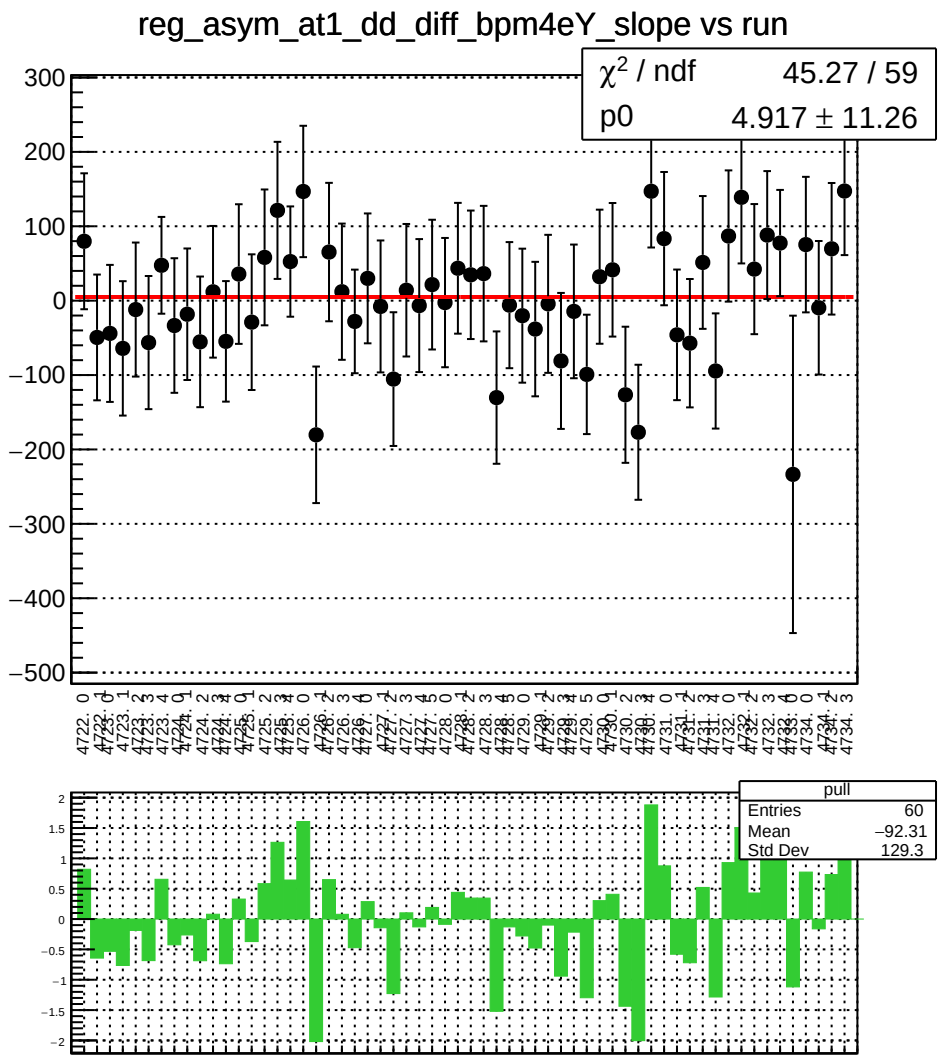

pull1D
Entries 60
Mean 0.02792
Std Dev 0.8457

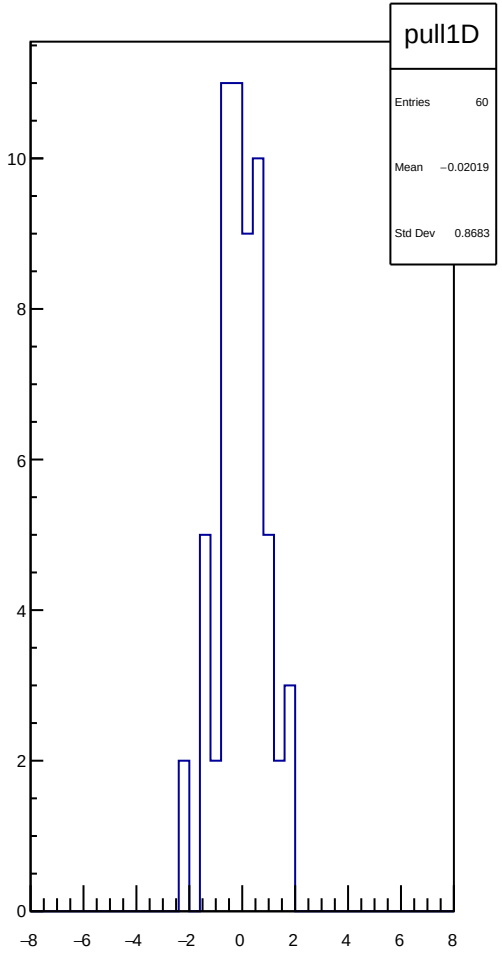

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.96 / 59
p0 −7.368 ± 8.579
pull
Entries 60
Mean −694.6
Std Dev 731.4

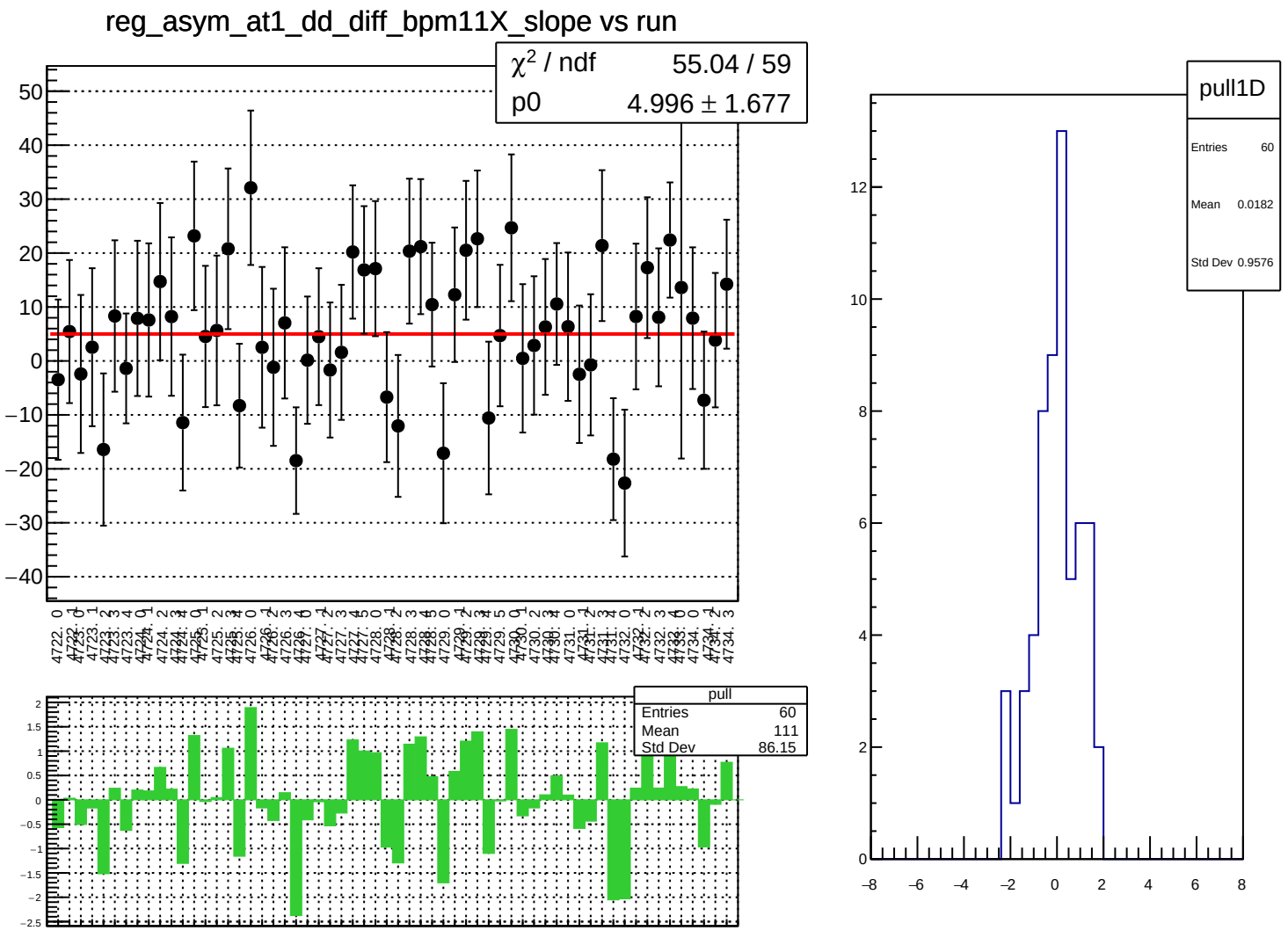

pull1D
Entries 60
Mean 0.004118
Std Dev 0.9306

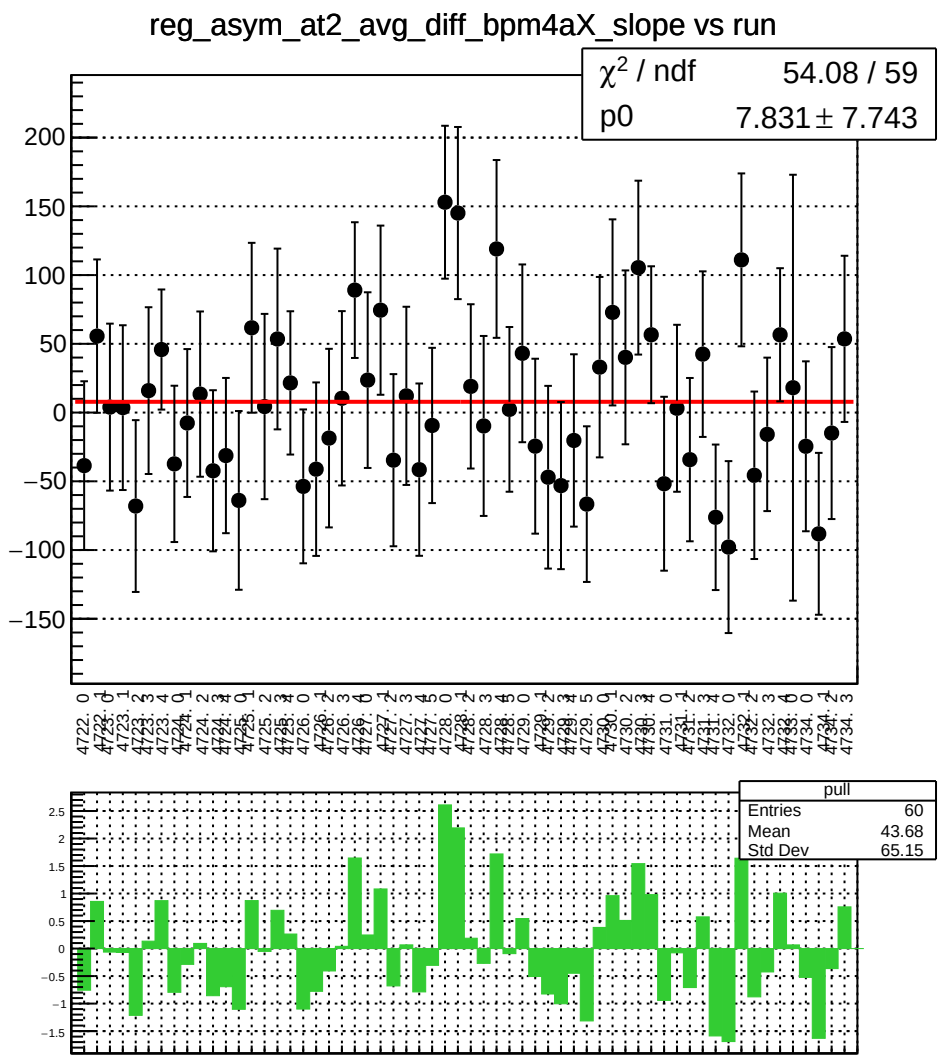

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.39 / 59
p0 −36.17 ± 1.6
pull
Entries 60
Mean 145
Std Dev 111.2

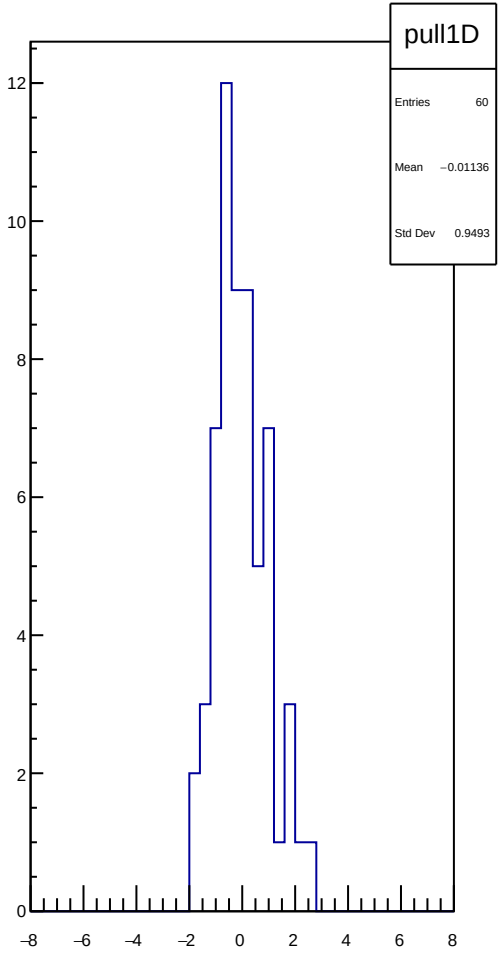

pull1D
Entries 60
Mean −0.01972
Std Dev 0.8979

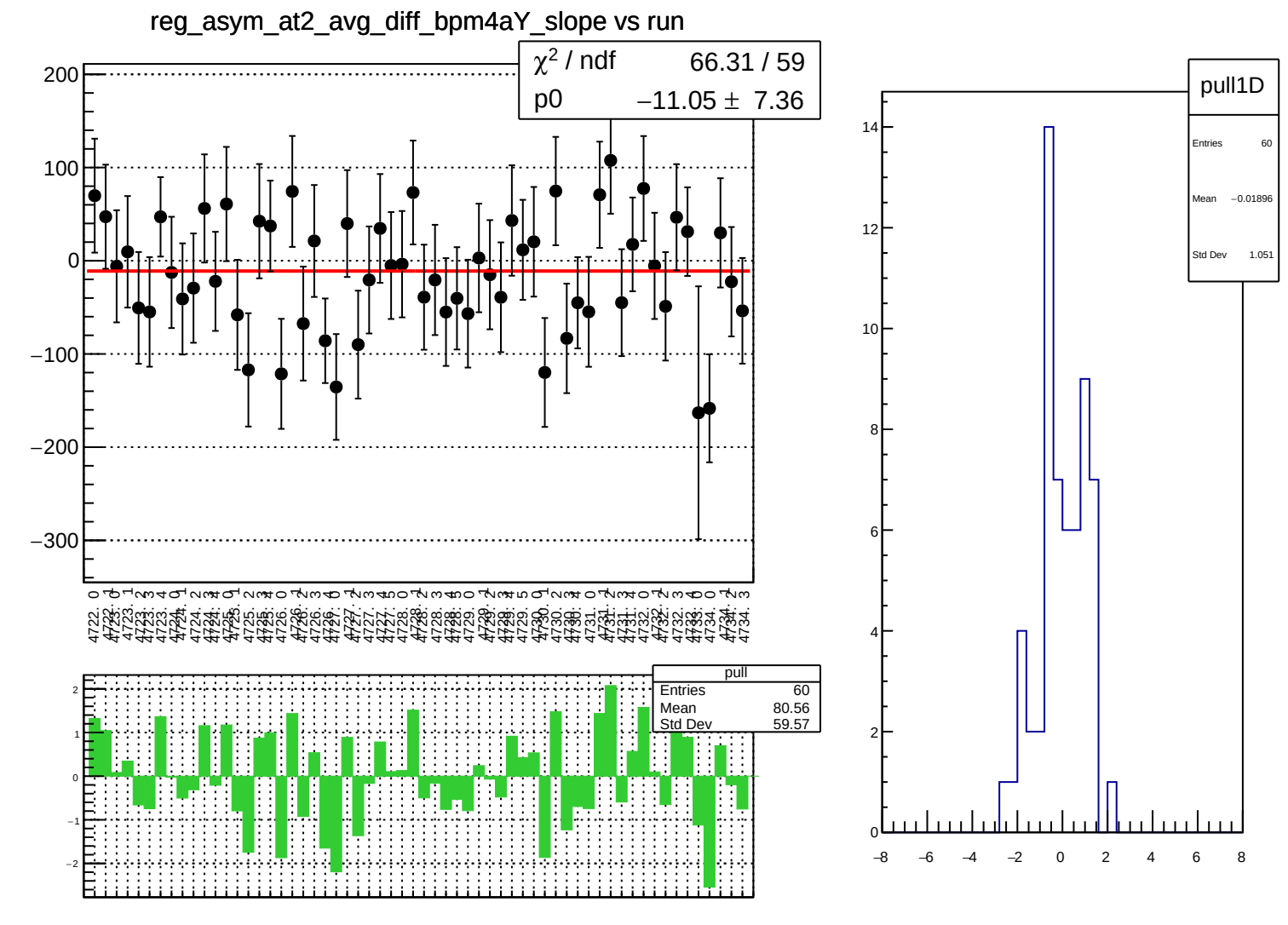

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.27 / 59
p0 4.917 ± 11.26
pull
Entries 60
Mean −92.31
Std Dev 129.3

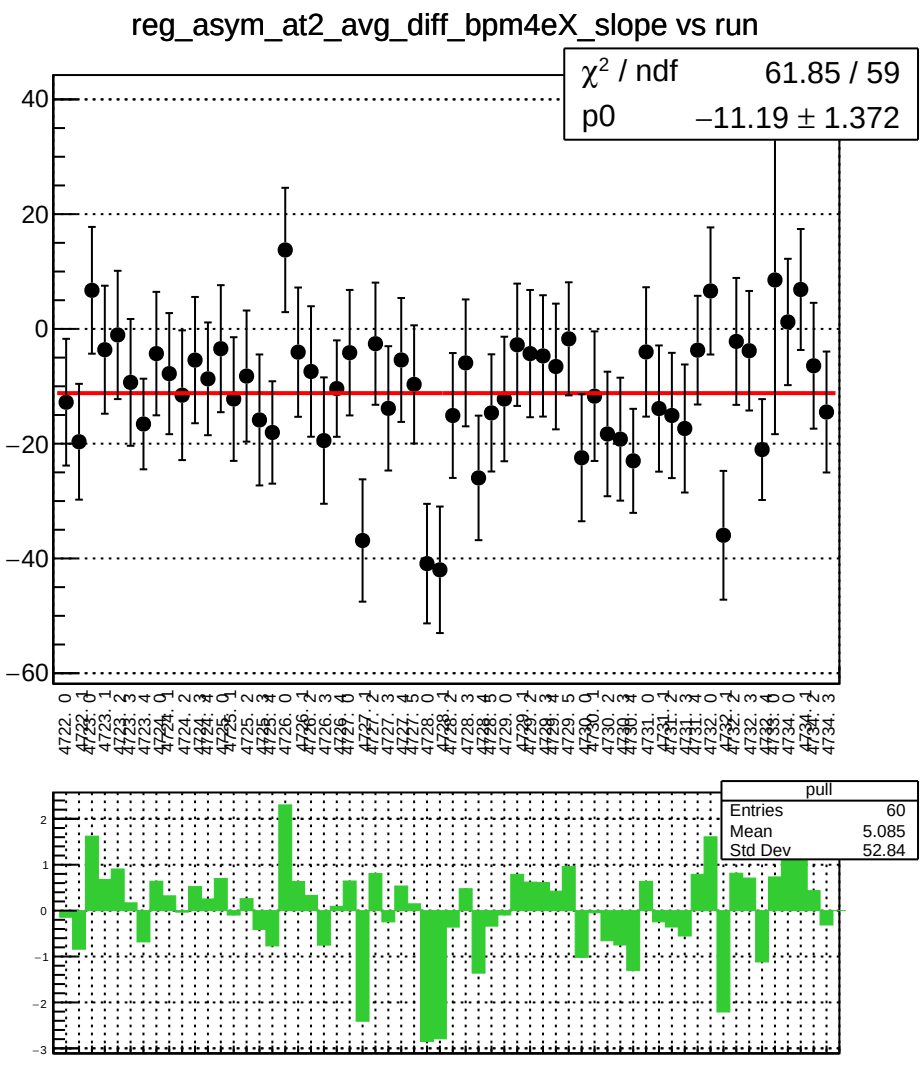

pull1D
Entries 60
Mean −0.02019
Std Dev 0.8683

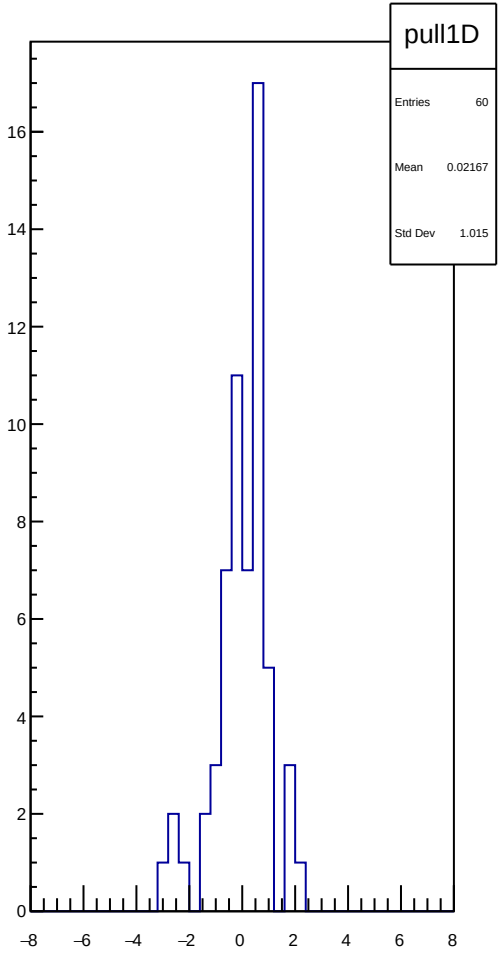

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 55.04 / 59
p0 4.996 ± 1.677
pull
Entries 60
Mean 111
Std Dev 86.15
pull1D
Entries 60
Mean 0.0182
Std Dev 0.9576

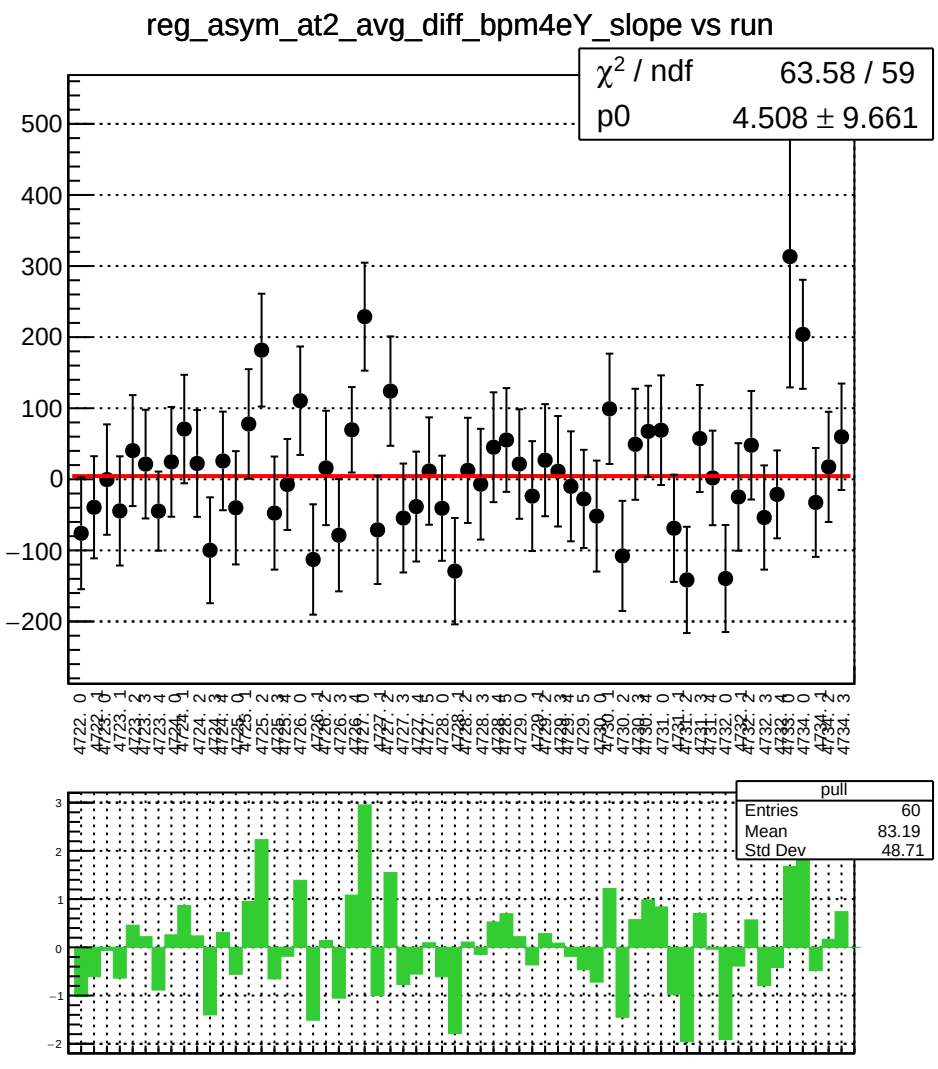

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.08 / 59
p0 7.831 ± 7.743
pull
Entries 60
Mean 43.68
Std Dev 65.15

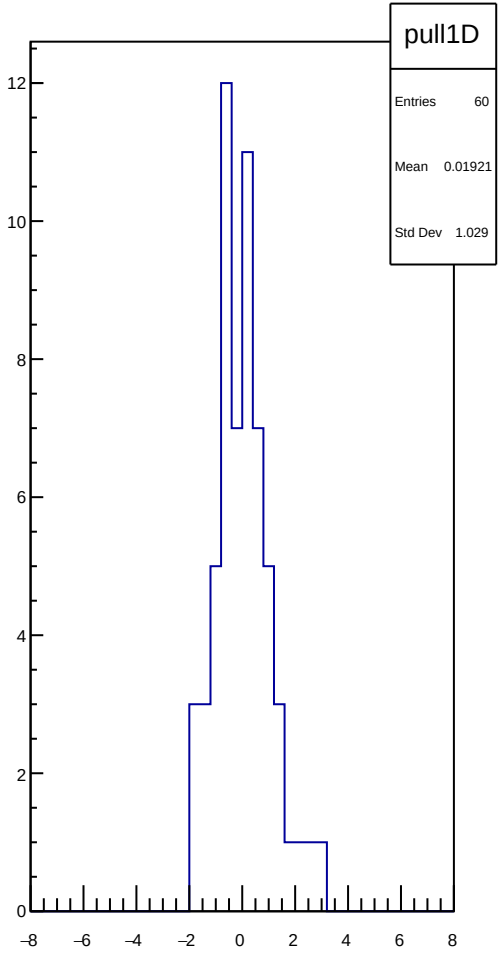

pull1D
Entries 60
Mean −0.01136
Std Dev 0.9493

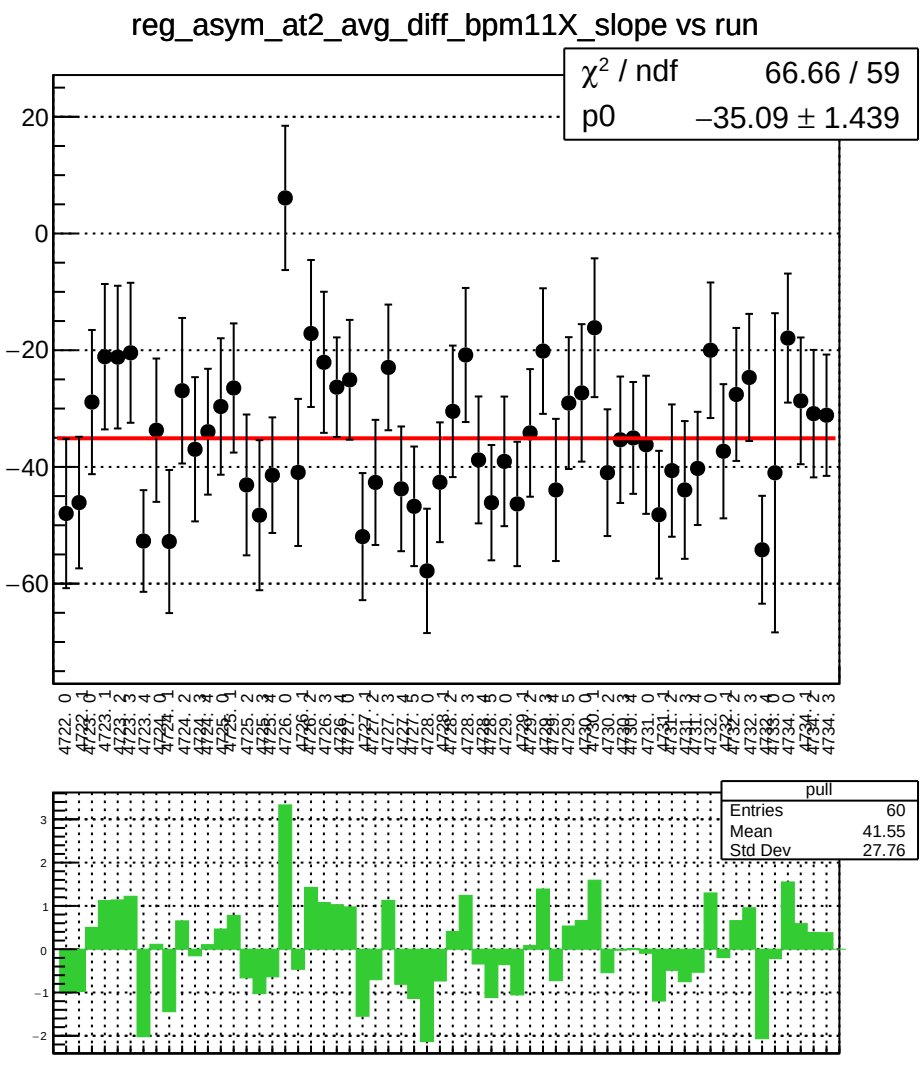

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.31 / 59
p0 −11.05 ± 7.36
pull
Entries 60
Mean 80.56
Std Dev 59.57
pull1D
Entries 60
Mean −0.01896
Std Dev 1.051

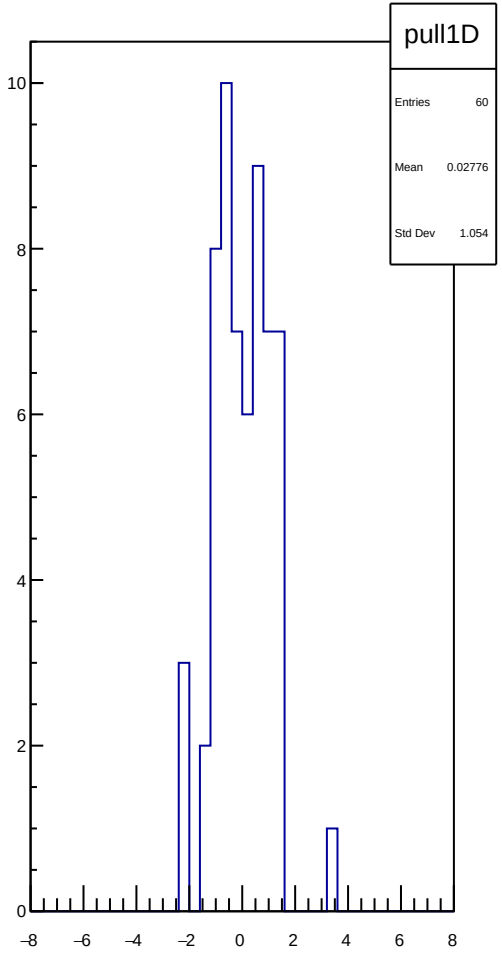

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.85 / 59
p0 −11.19 ± 1.372
pull
Entries 60
Mean 5.085
Std Dev 52.84

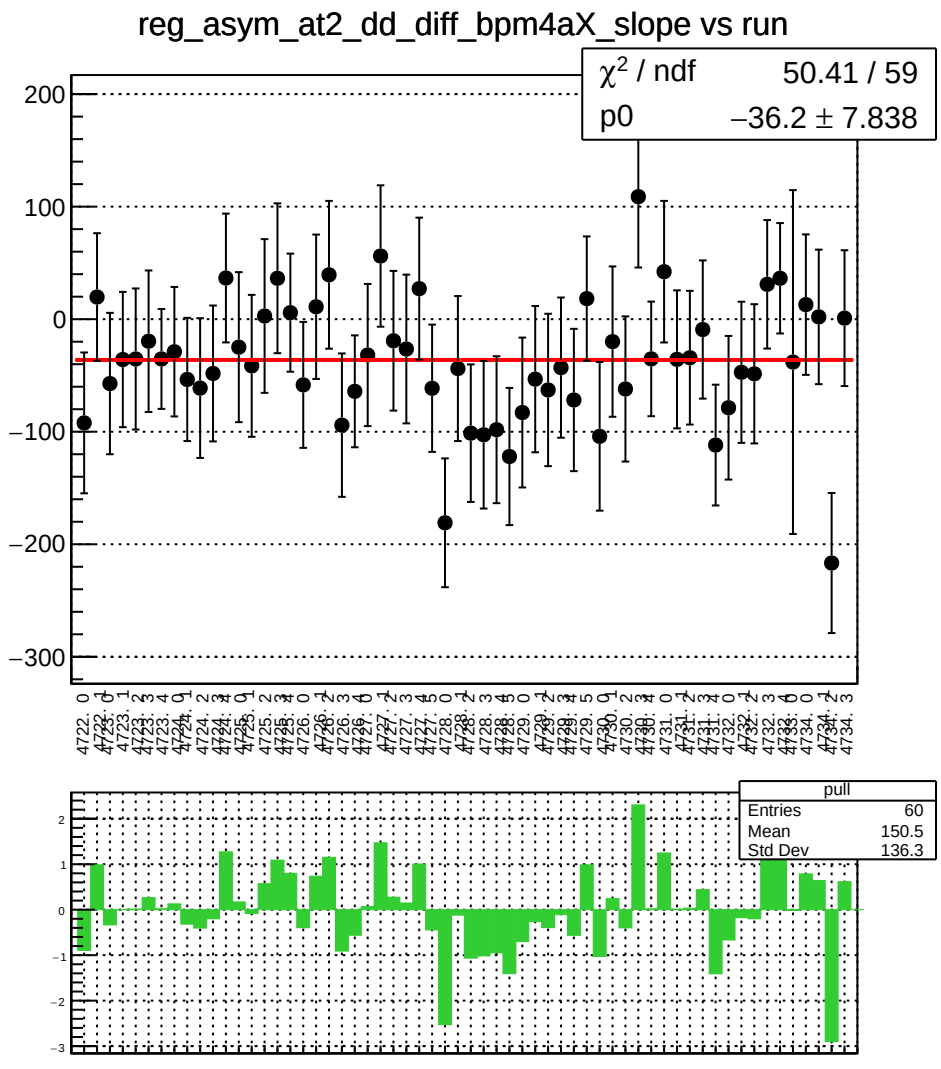

pull1D
Entries 60
Mean 0.02167
Std Dev 1.015

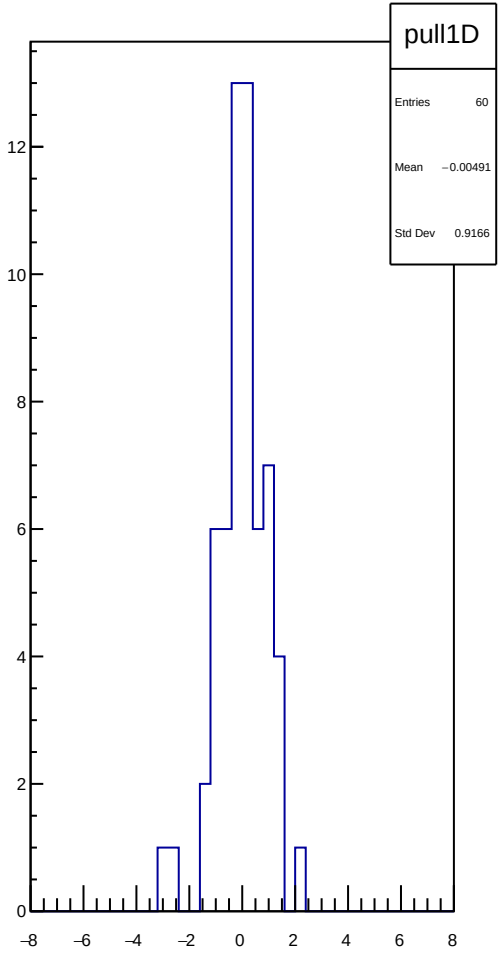

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.58 / 59
p0 4.508 ± 9.661
pull
Entries 60
Mean 83.19
Std Dev 48.71

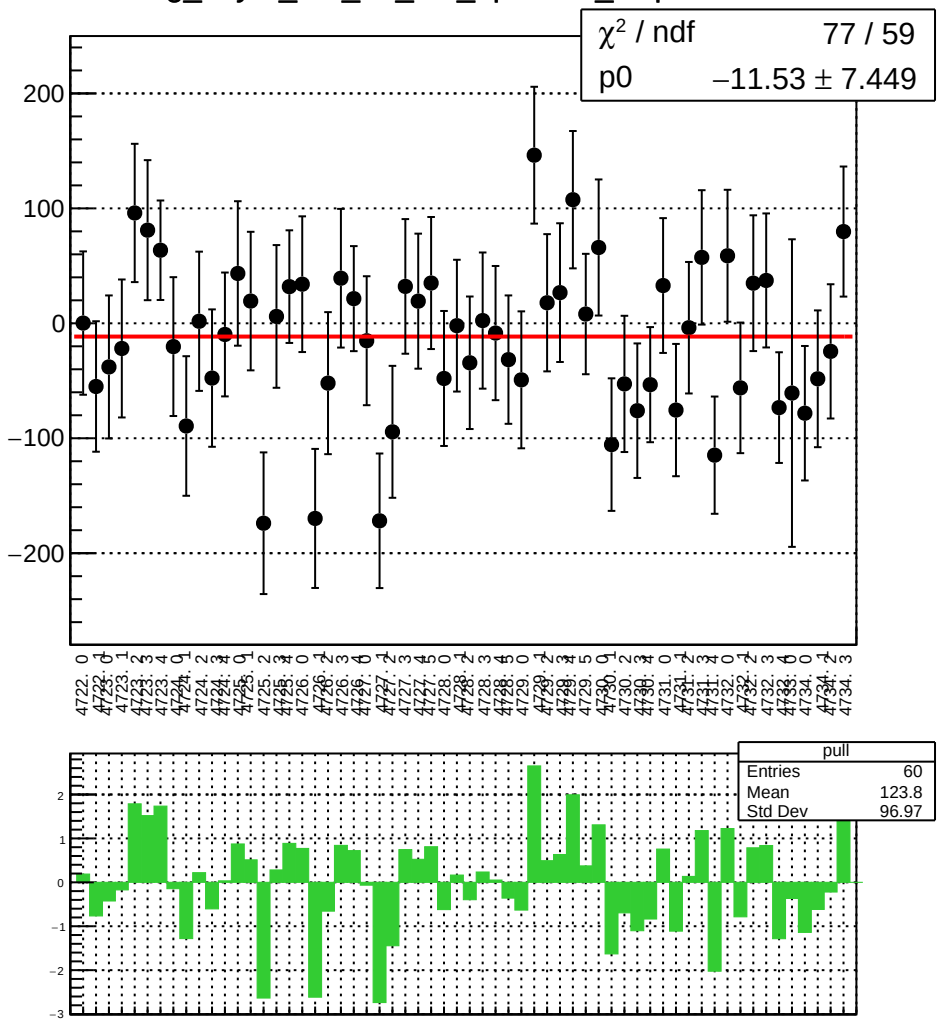

pull1D
Entries 60
Mean 0.01921
Std Dev 1.029

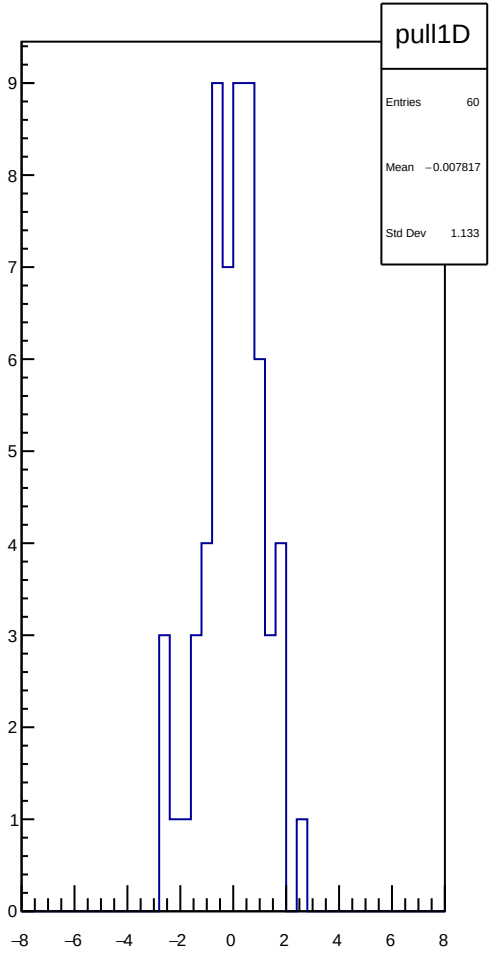

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 66.66 / 59
p0 −35.09 ± 1.439
pull
Entries 60
Mean 41.55
Std Dev 27.76

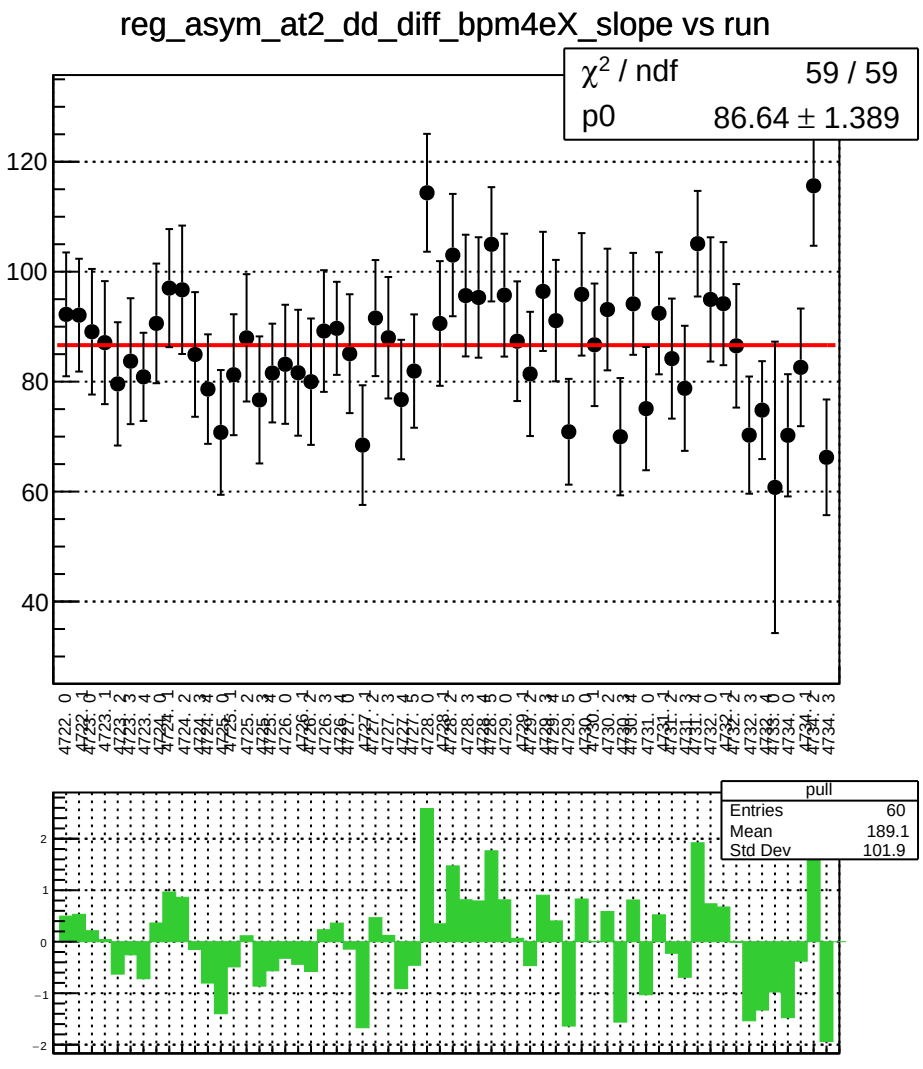

pull1D
Entries 60
Mean 0.02776
Std Dev 1.054

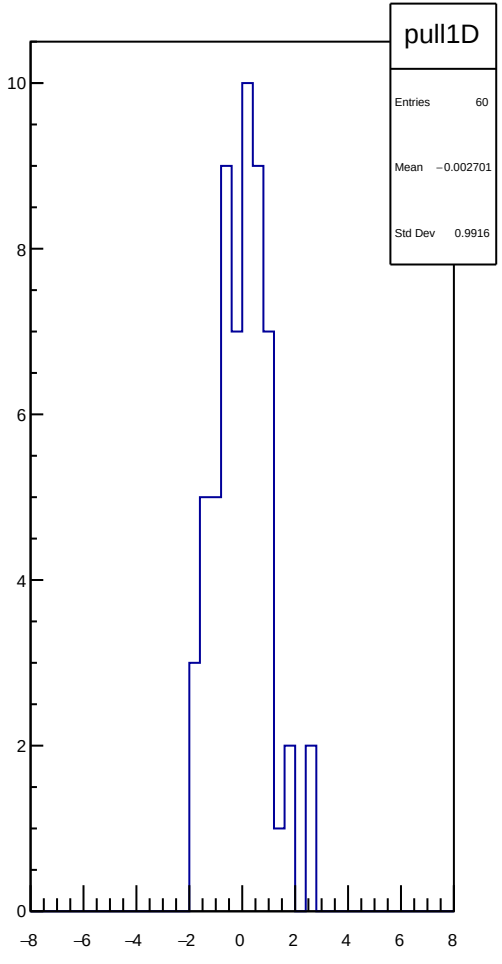

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.41 / 59
p0 −36.2 ± 7.838
pull
Entries 60
Mean 150.5
Std Dev 136.3

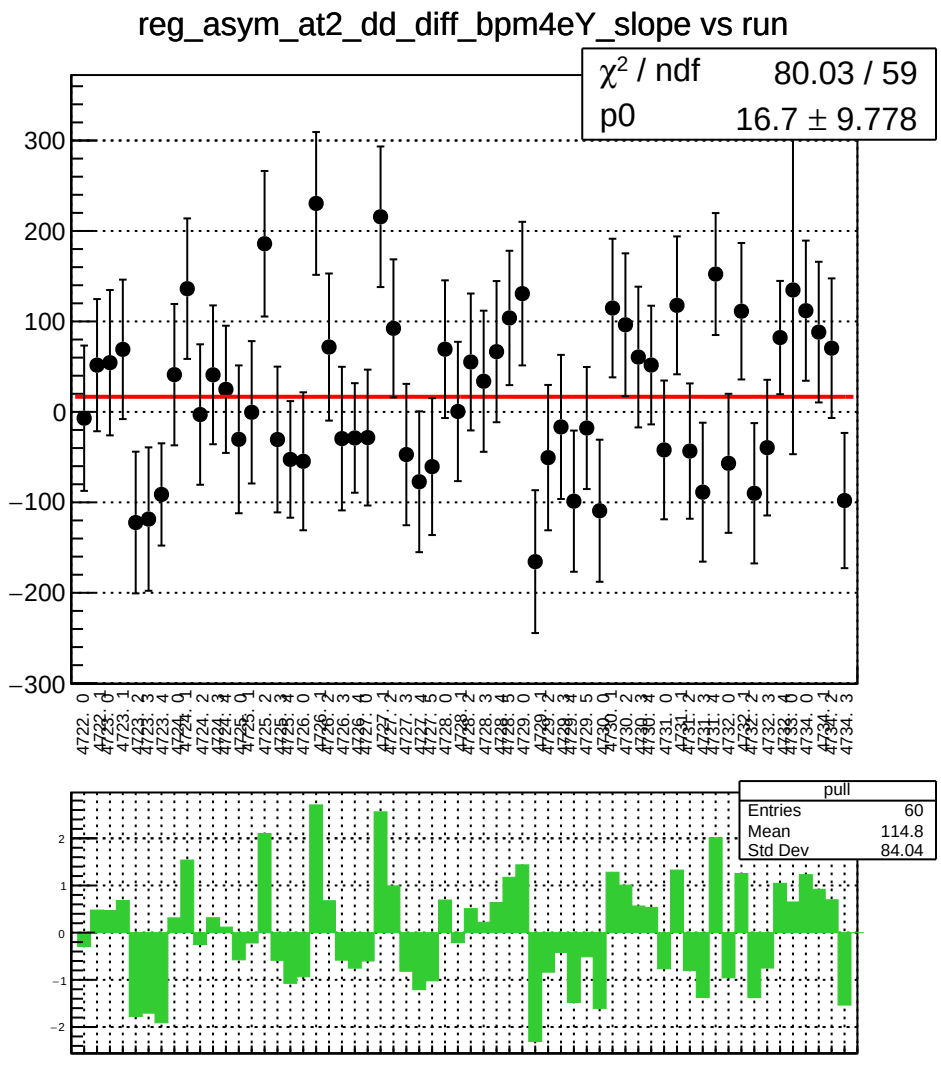

pull1D
Entries 60
Mean −0.00491
Std Dev 0.9166

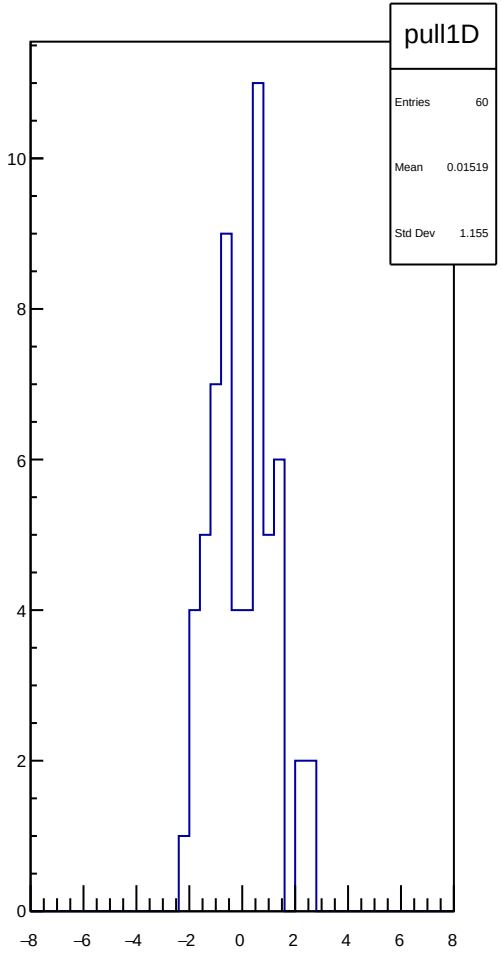

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 77 / 59
p0 −11.53 ± 7.449
200
100
0
−100
−200
pull
Entries 60
Mean 123.8
Std Dev 96.97
2
1
0
−1
−2
−3

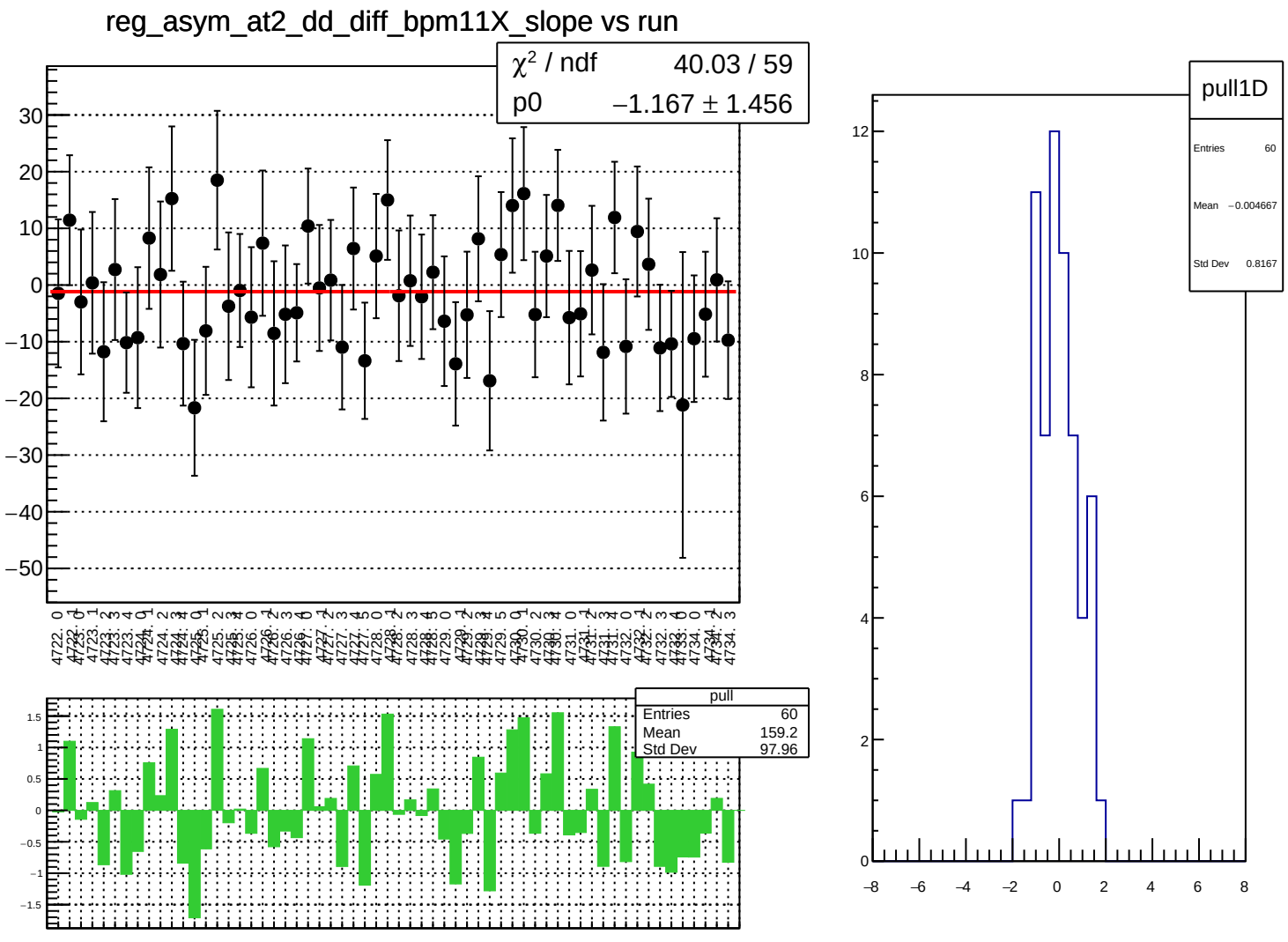

pull1D
Entries 60
Mean −0.007817
Std Dev 1.133
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

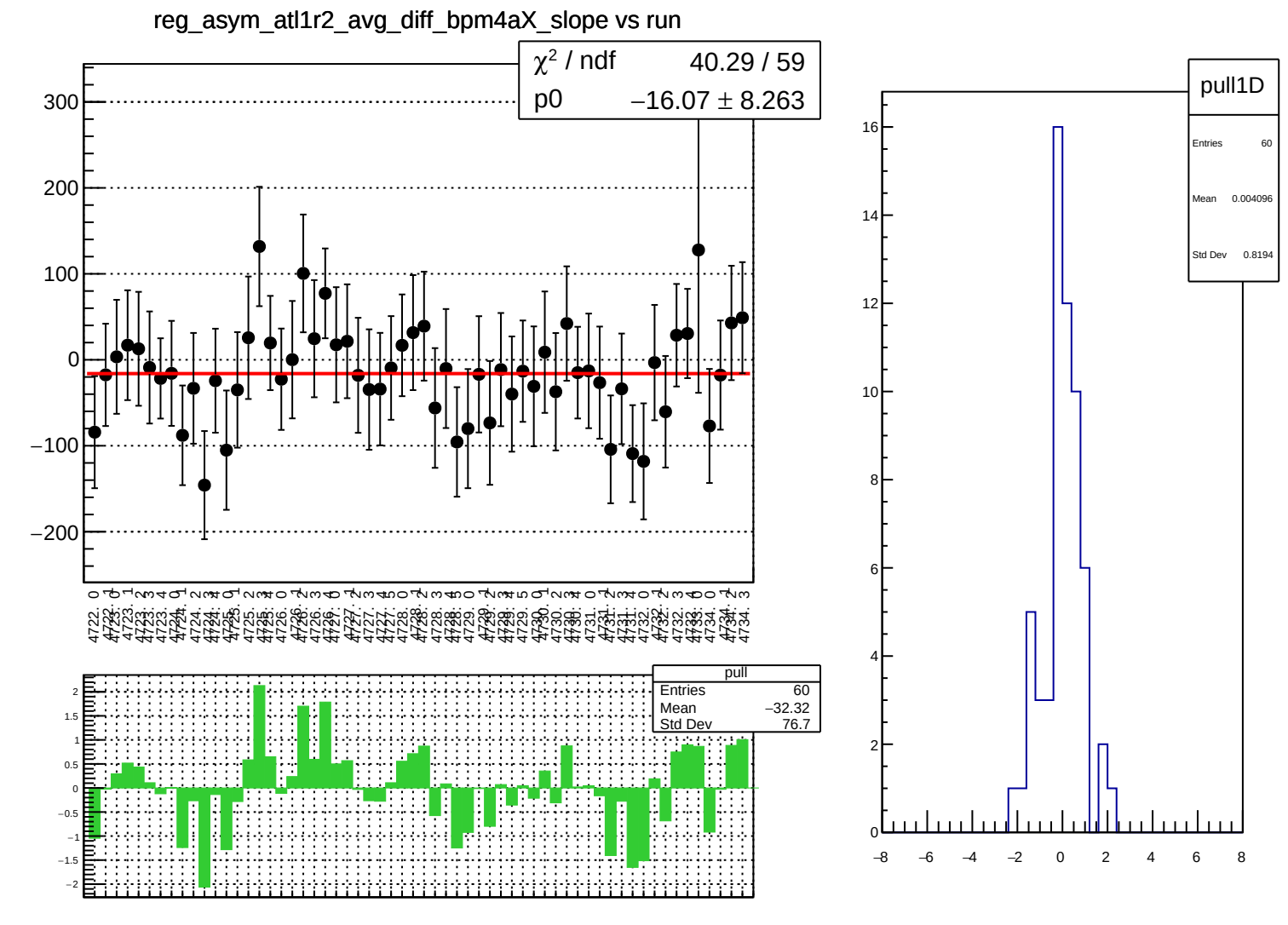

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 59 / 59
p0 86.64 ± 1.389
pull
Entries 60
Mean 189.1
Std Dev 101.9

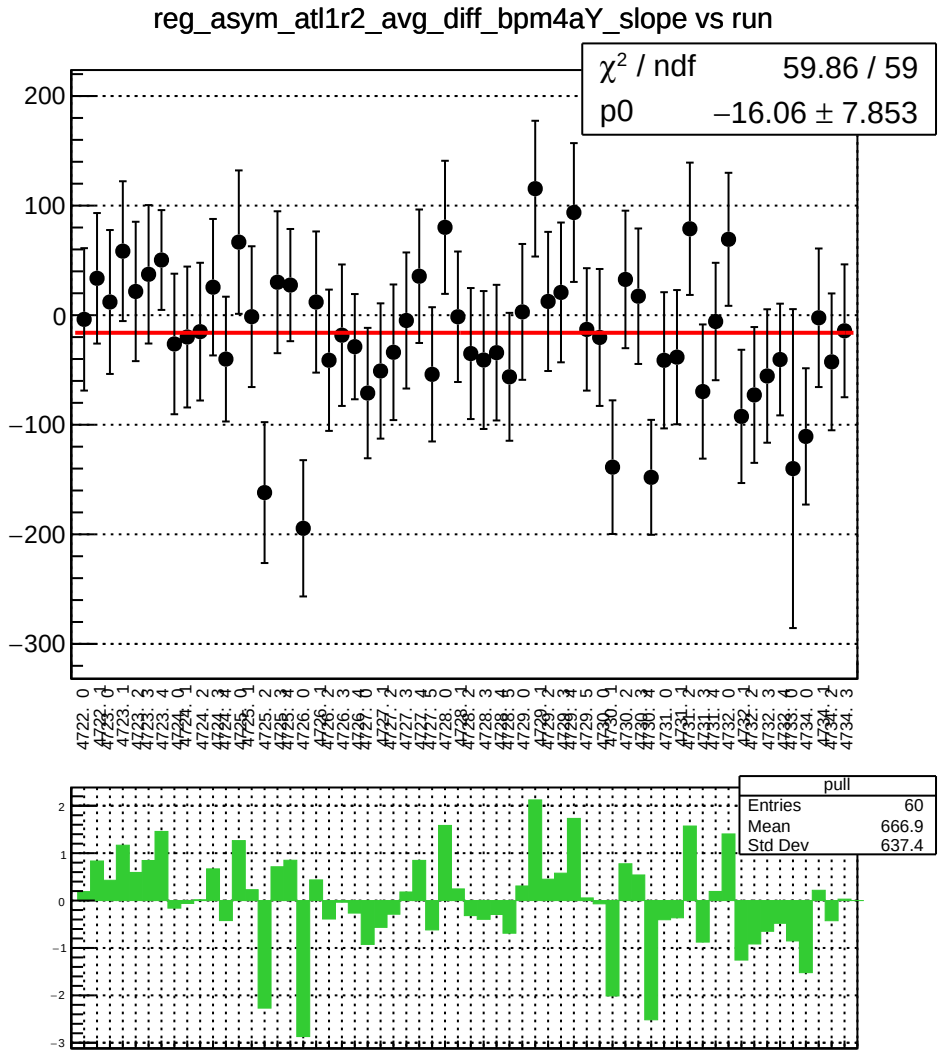

pull1D
Entries 60
Mean −0.002701
Std Dev 0.9916

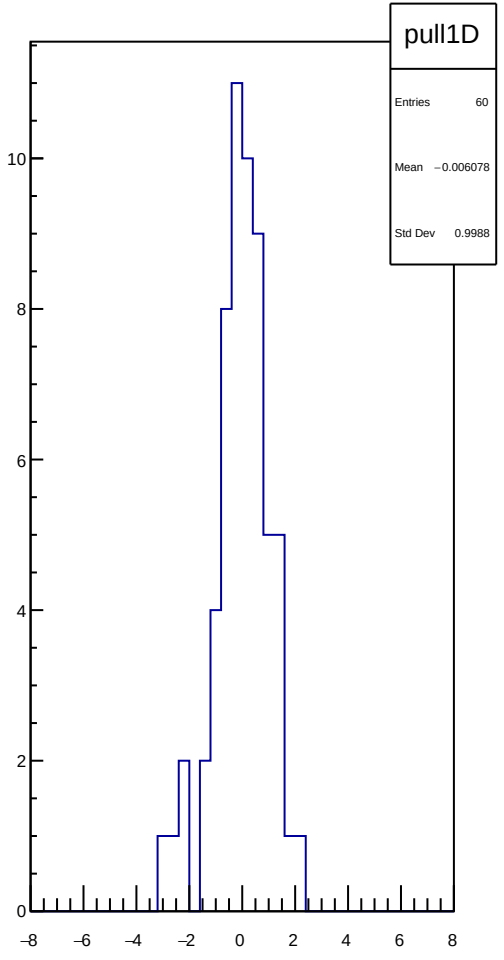

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.03 / 59
p0 16.7 ± 9.778
pull
Entries 60
Mean 114.8
Std Dev 84.04

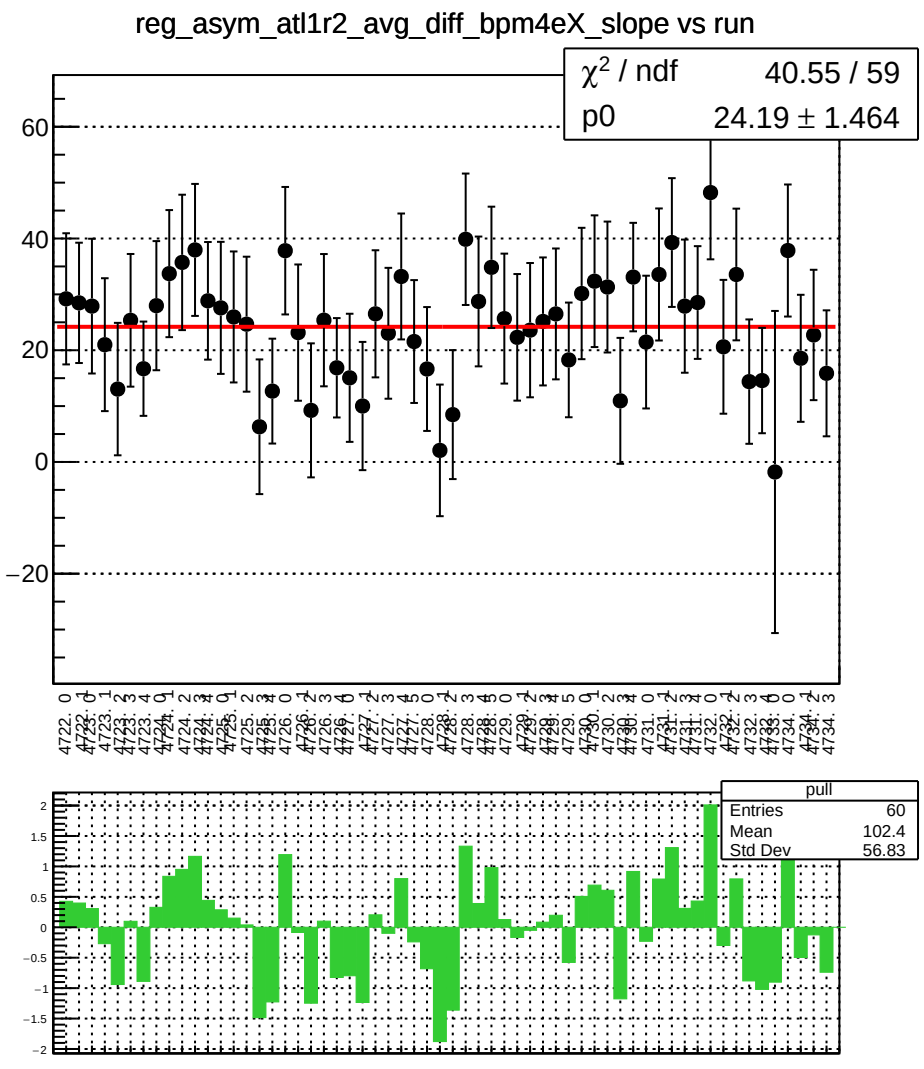

pull1D
Entries 60
Mean 0.01519
Std Dev 1.155

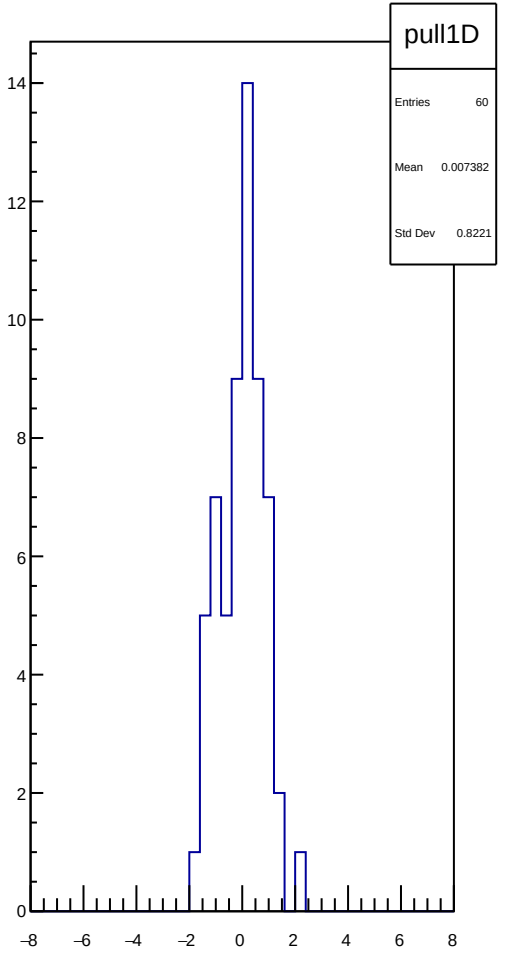

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 40.03 / 59
p0 −1.167 ± 1.456
pull
Entries 60
Mean 159.2
Std Dev 97.96
pull1D
Entries 60
Mean −0.004667
Std Dev 0.8167

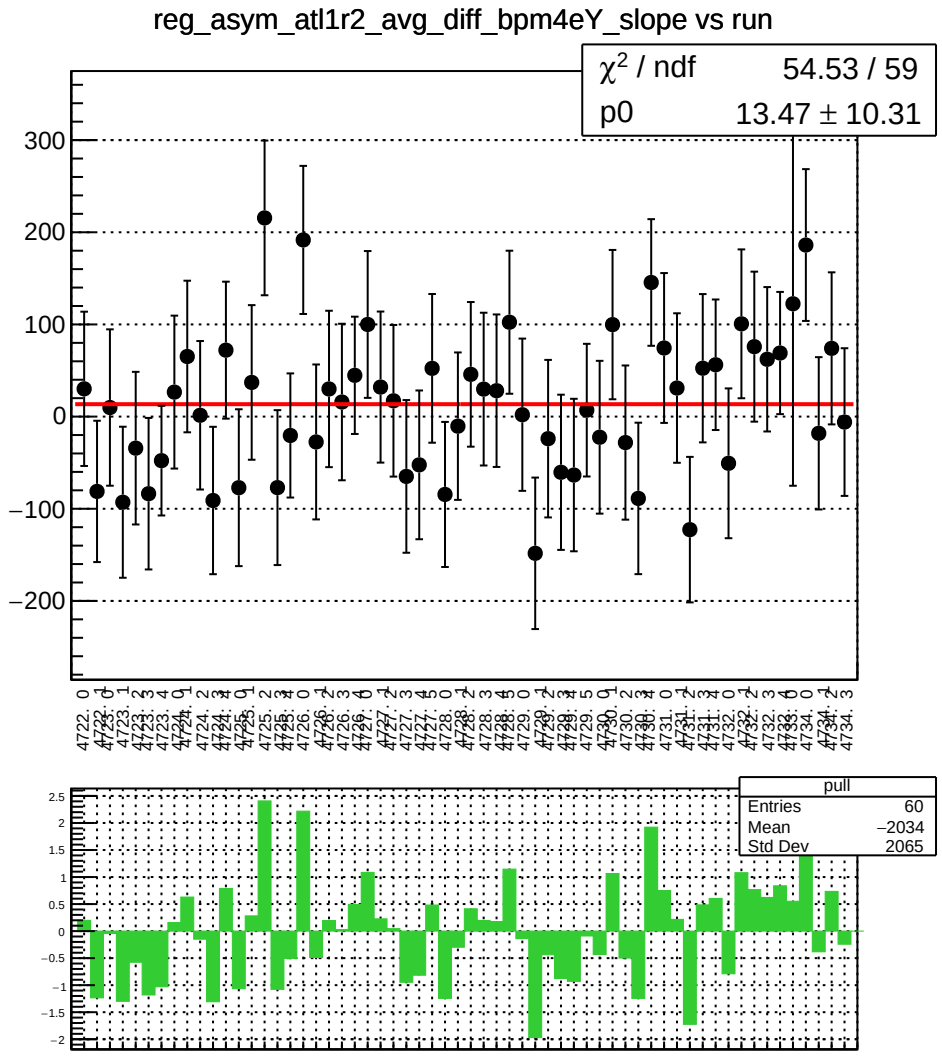

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 40.29 / 59
p0 −16.07 ± 8.263
pull
Entries 60
Mean −32.32
Std Dev 76.7
pull1D
Entries 60
Mean 0.004096
Std Dev 0.8194

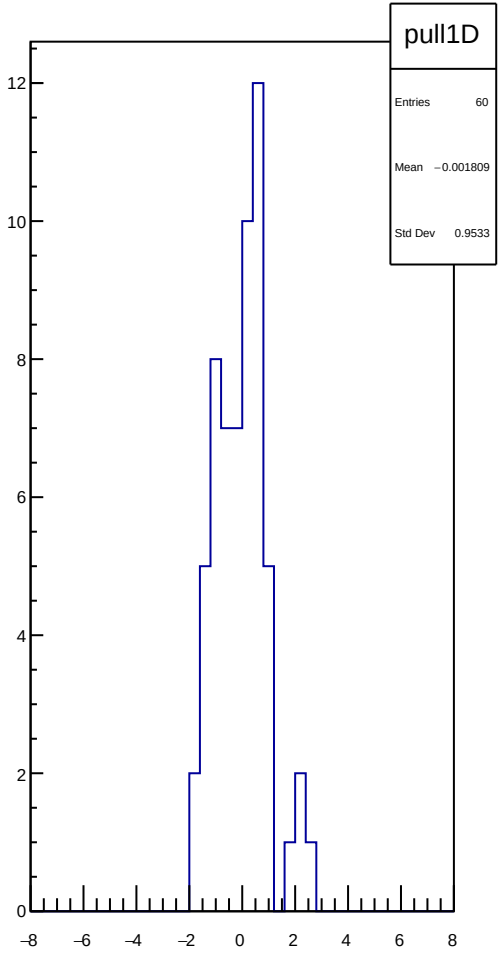

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 59.86 / 59
p0 −16.06 ± 7.853
pull
Entries 60
Mean 666.9
Std Dev 637.4

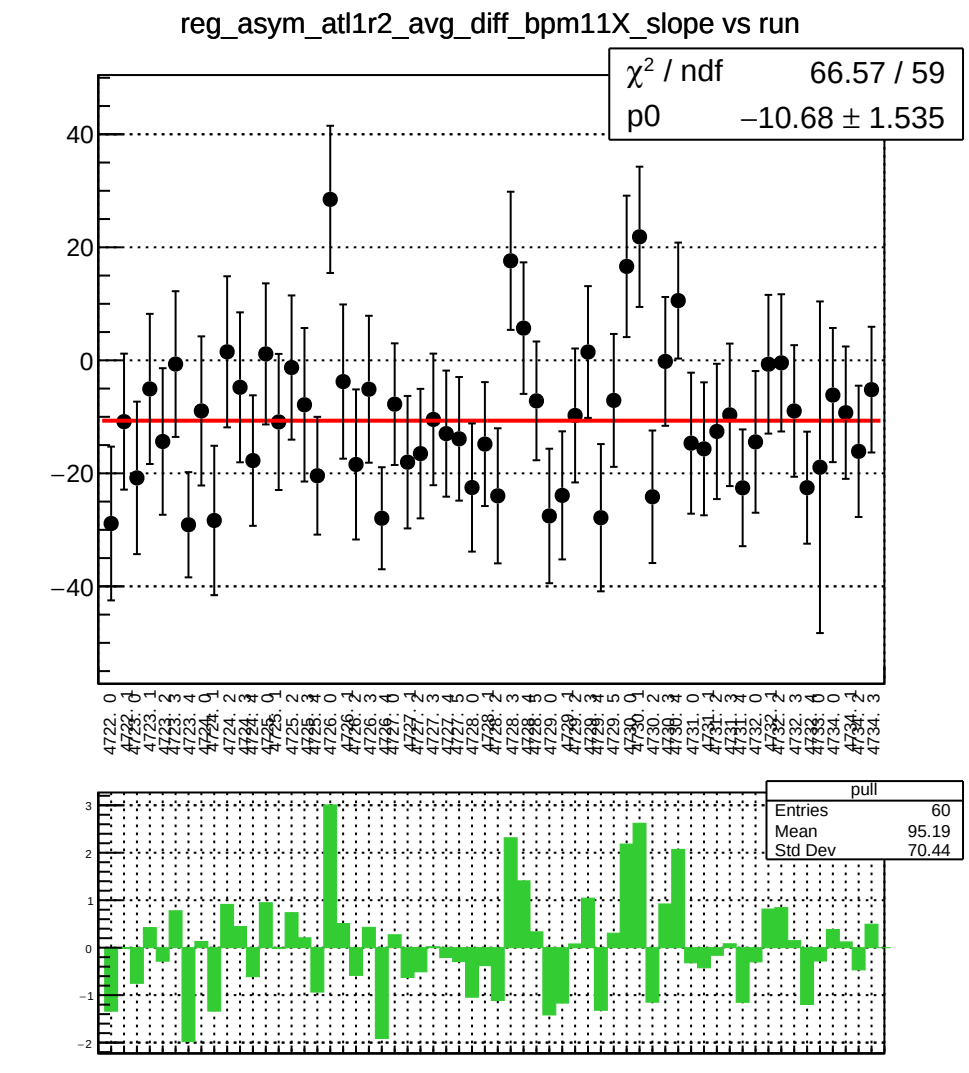

pull1D
Entries 60
Mean −0.006078
Std Dev 0.9988

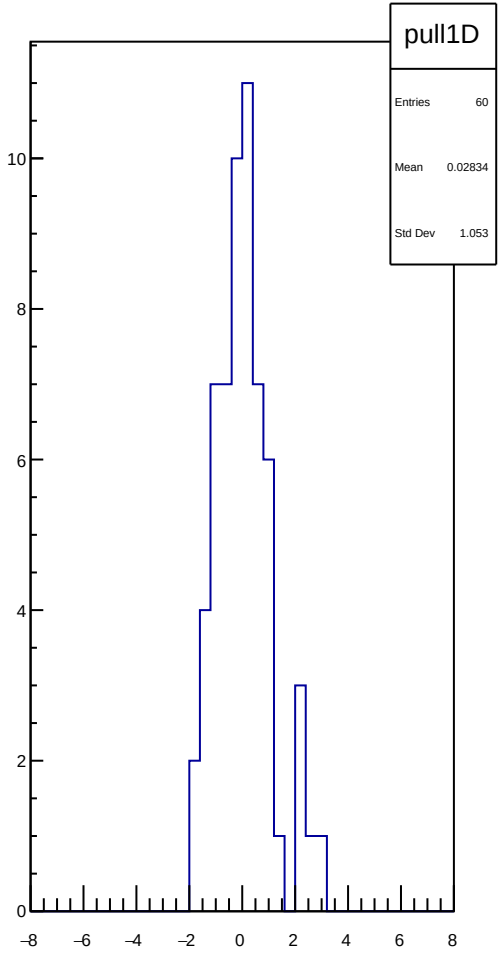

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.55 / 59
p0 24.19 ± 1.464
pull
Entries 60
Mean 102.4
Std Dev 56.83

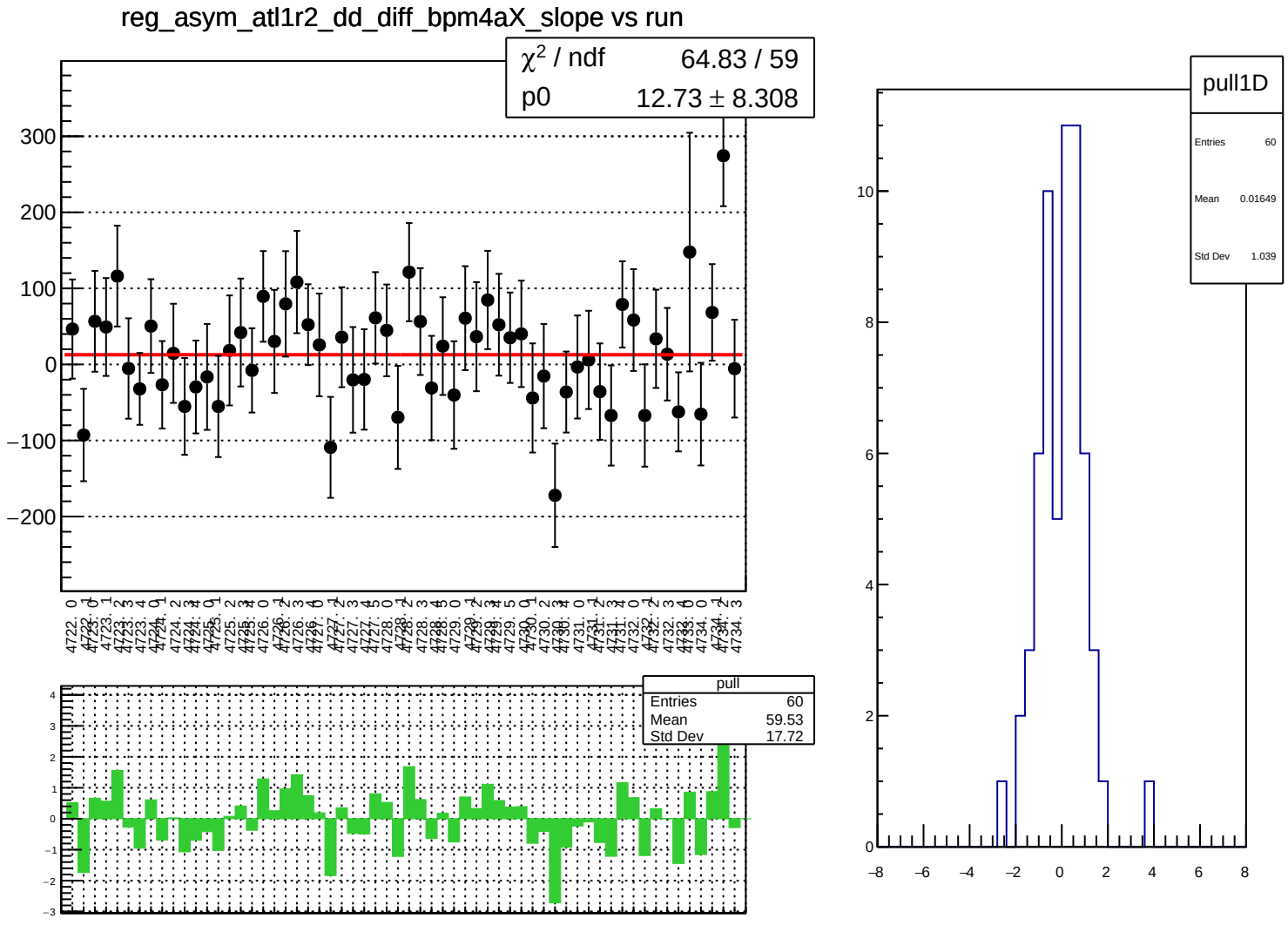

pull1D
Entries 60
Mean 0.007382
Std Dev 0.8221

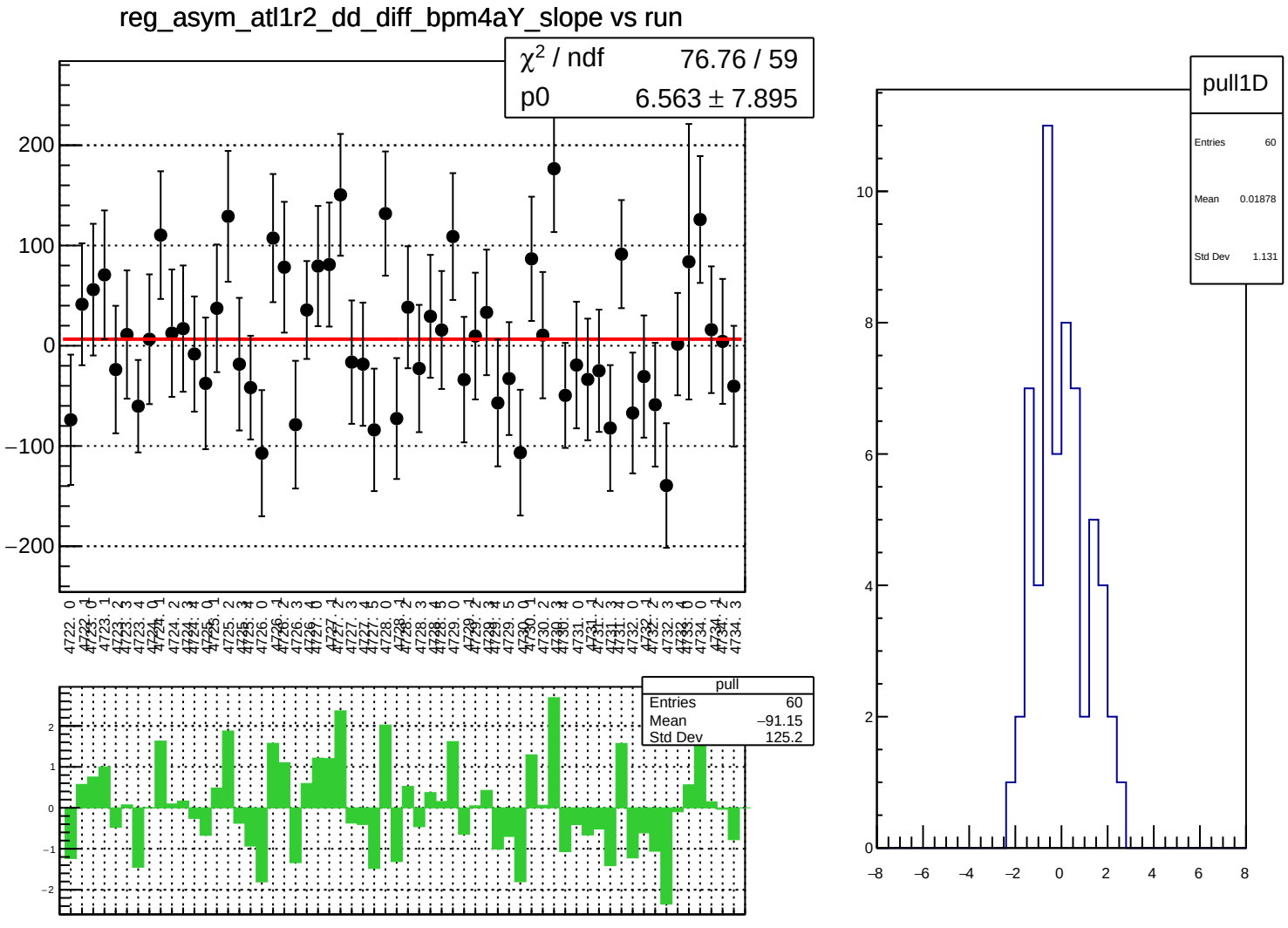

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.53 / 59
p0 13.47 ± 10.31
pull
Entries 60
Mean −2034
Std Dev 2065

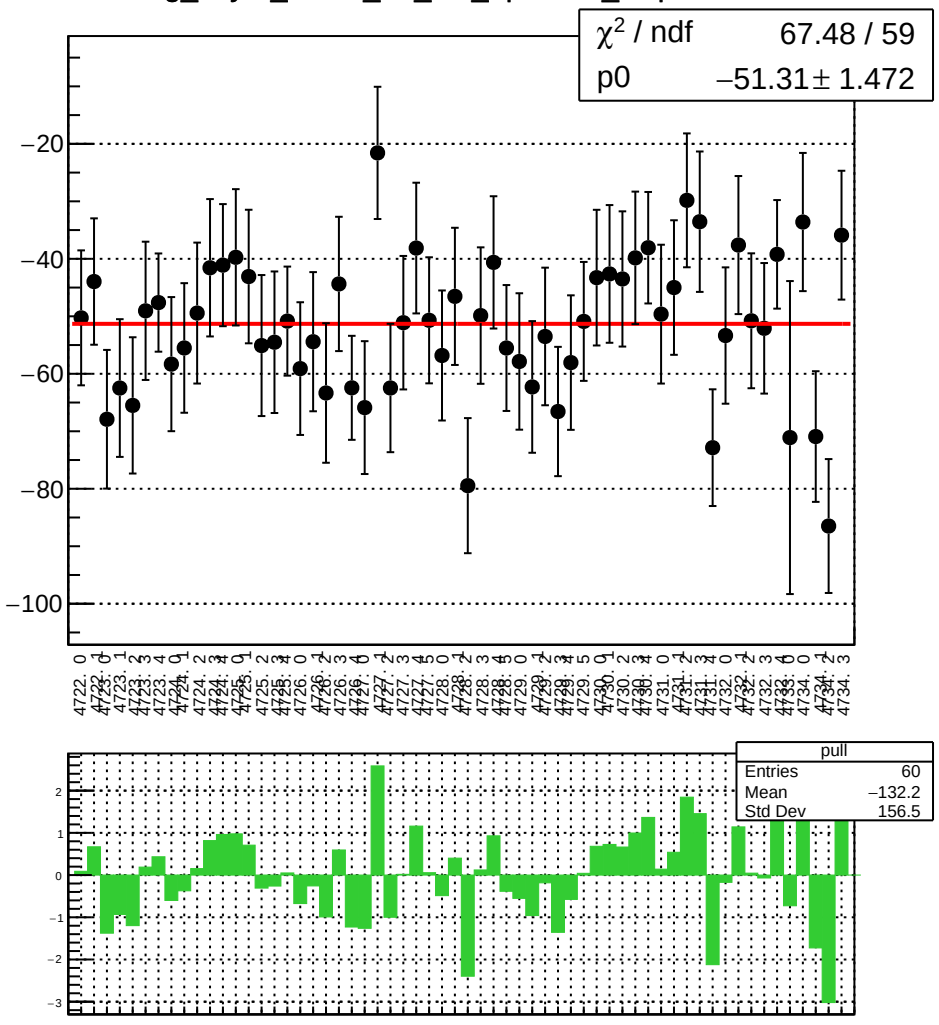

pull1D
Entries 60
Mean −0.001809
Std Dev 0.9533

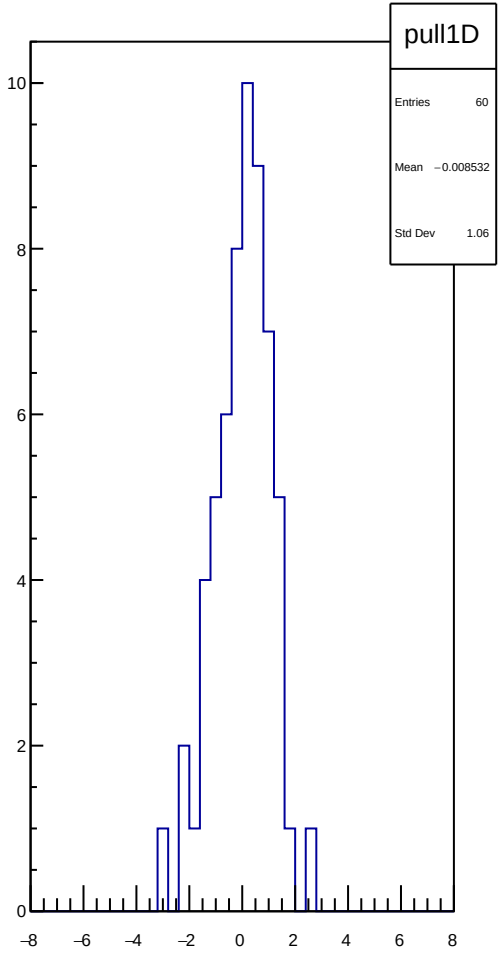

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 66.57 / 59
p0 −10.68 ± 1.535
pull
Entries 60
Mean 95.19
Std Dev 70.44

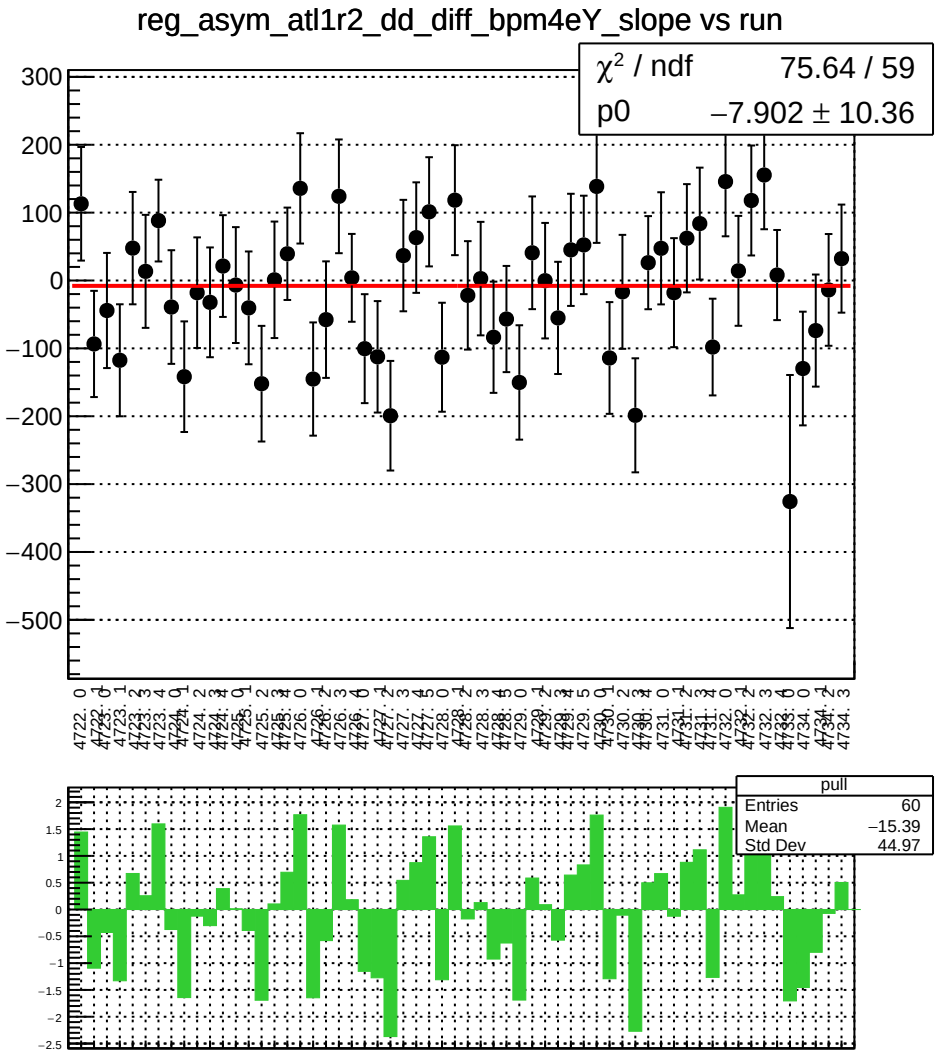

pull1D
Entries 60
Mean 0.02834
Std Dev 1.053

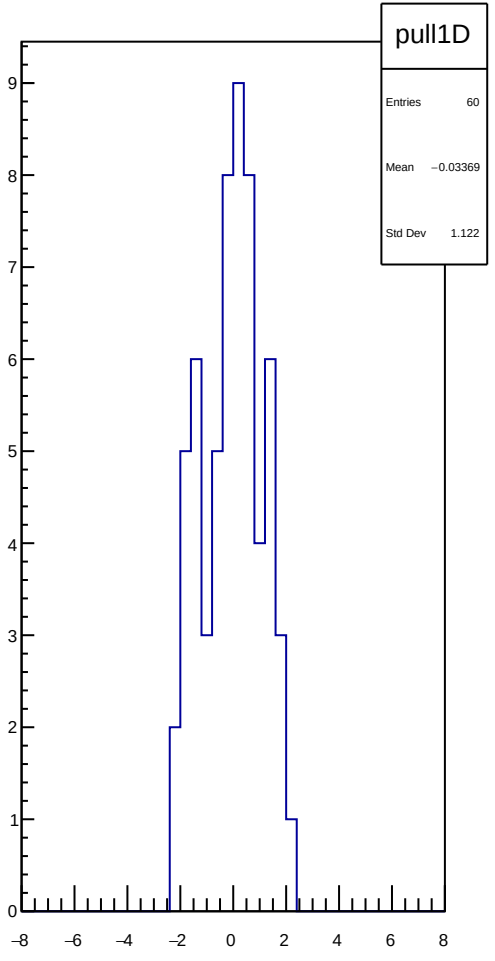

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 64.83 / 59
p0 12.73 ± 8.308
pull
Entries 60
Mean 59.53
Std Dev 17.72
pull1D
Entries 60
Mean 0.01649
Std Dev 1.039

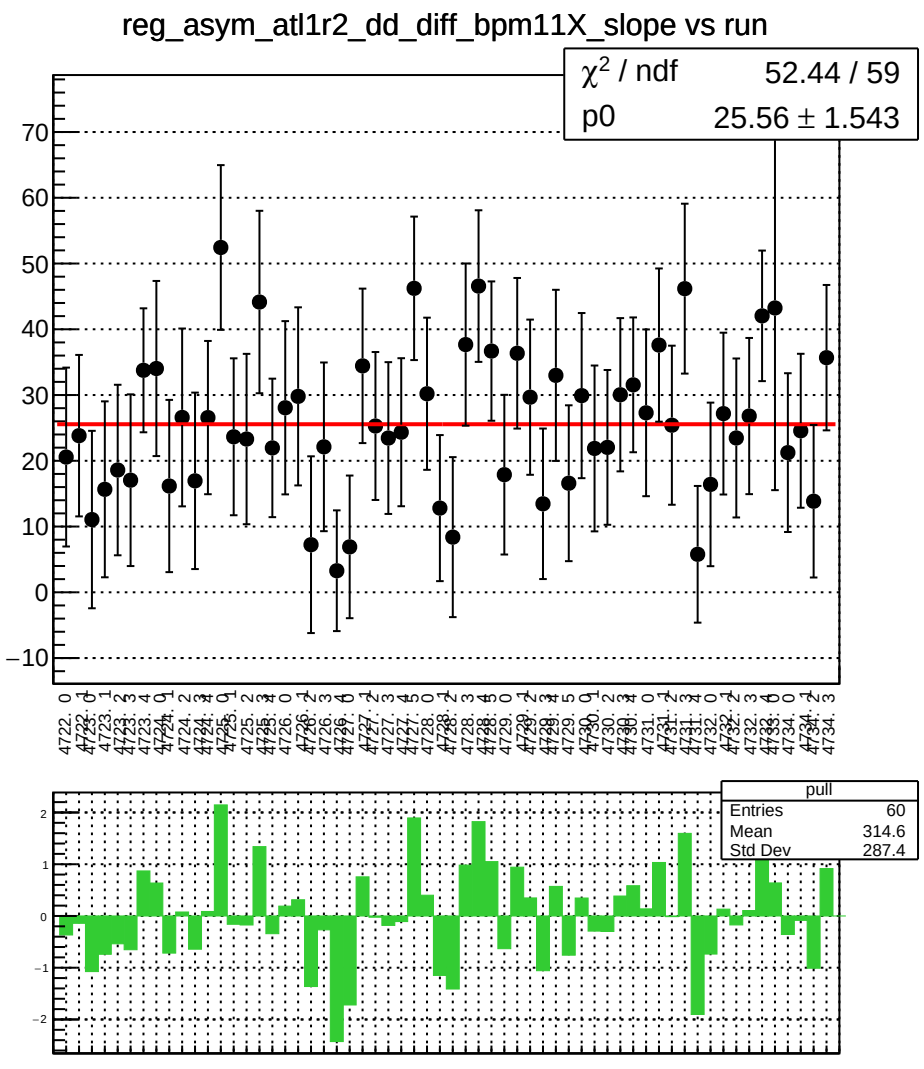

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.76 / 59
p0 6.563 ± 7.895
200
100
0
−100
−200
pull
Entries 60
Mean −91.15
Std Dev 125.2
pull1D
Entries 60
Mean 0.01878
Std Dev 1.131
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

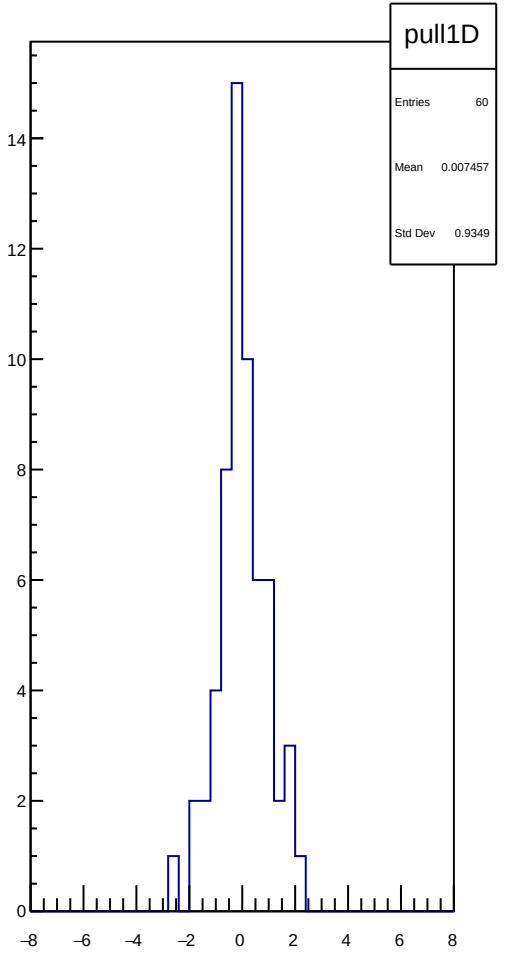

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.48 / 59
p0 −51.31 ± 1.472
pull
Entries 60
Mean −132.2
Std Dev 156.5

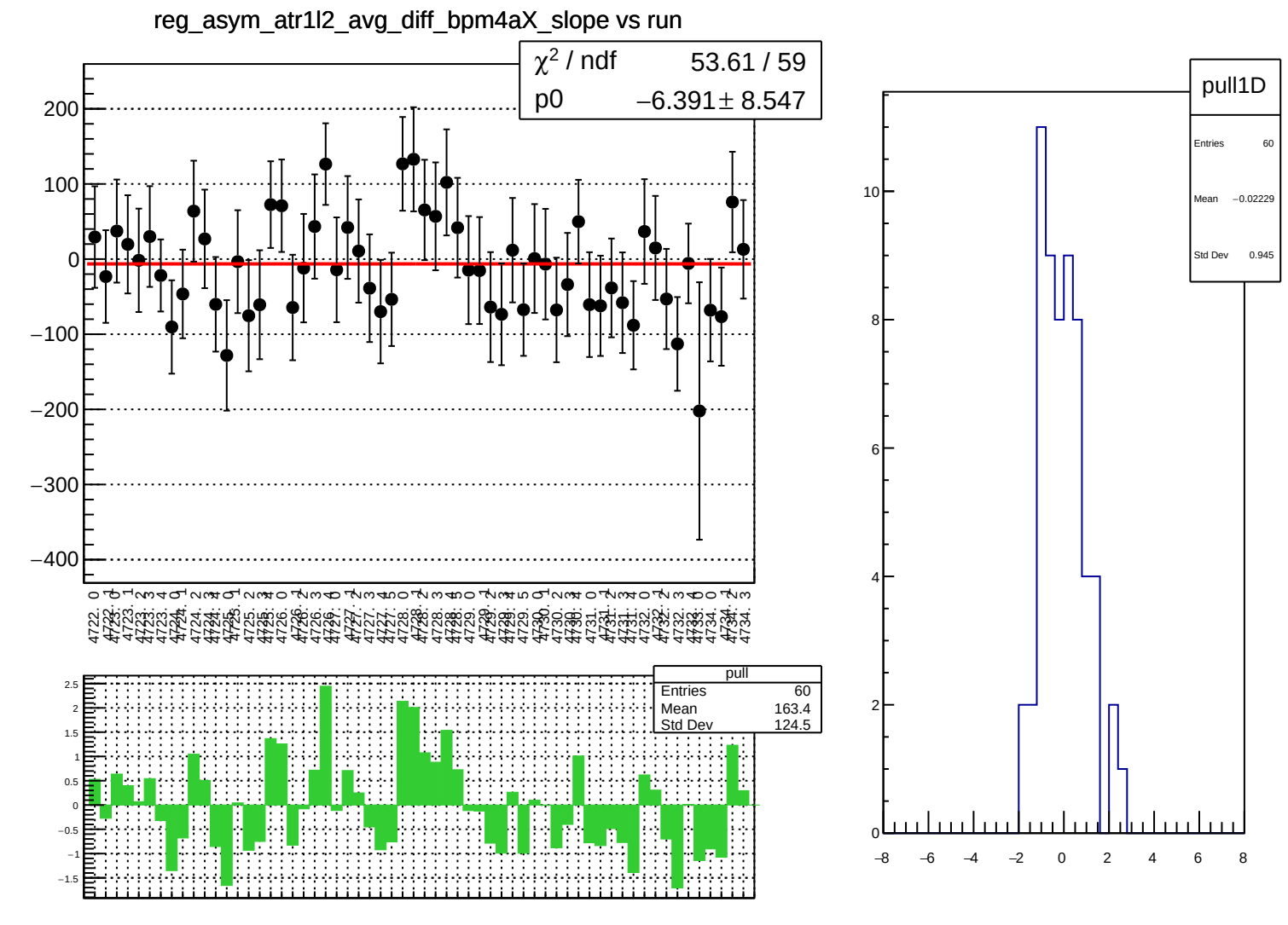

pull1D
Entries 60
Mean −0.008532
Std Dev 1.06

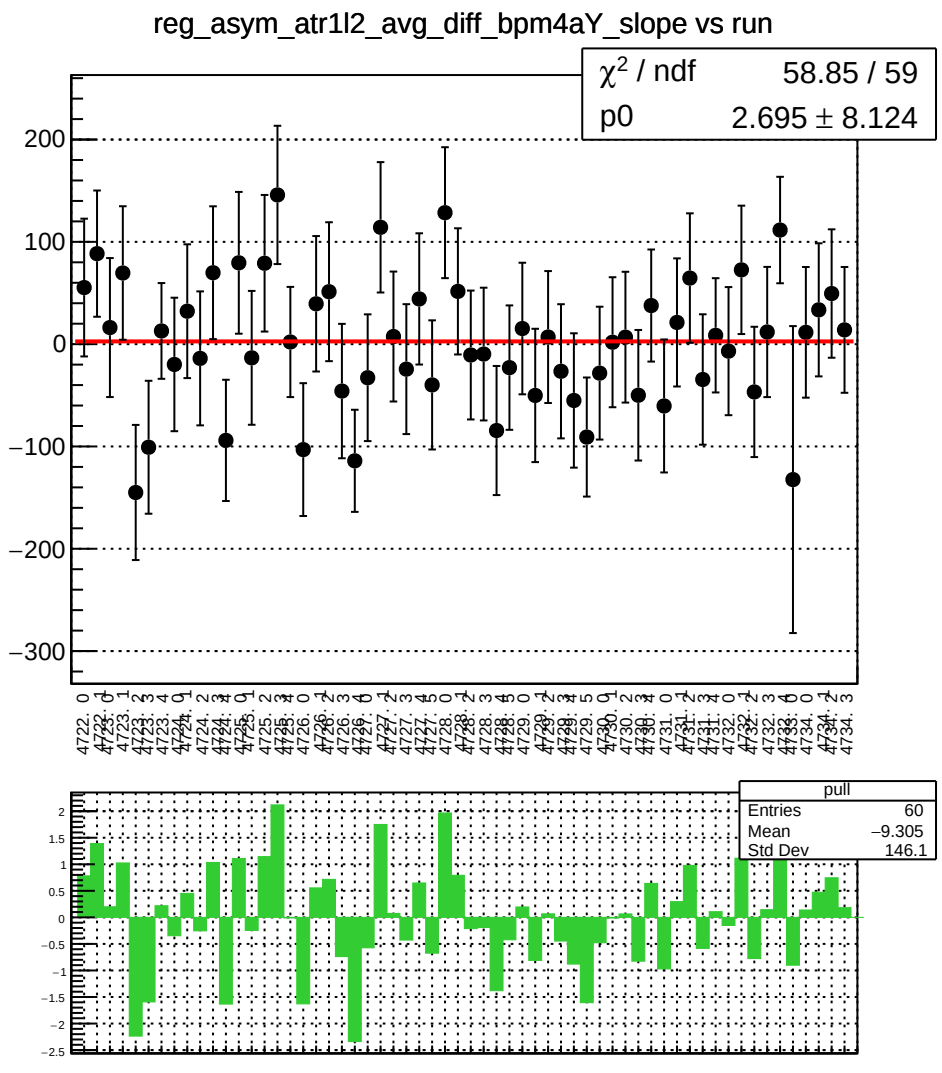

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.64 / 59
p0 −7.902 ± 10.36
pull
Entries 60
Mean −15.39
Std Dev 44.97

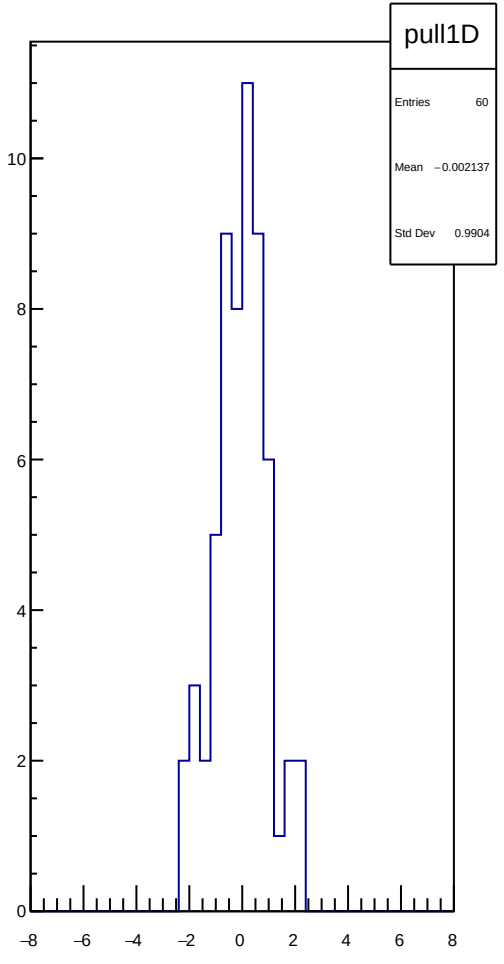

pull1D
Entries 60
Mean −0.03369
Std Dev 1.122

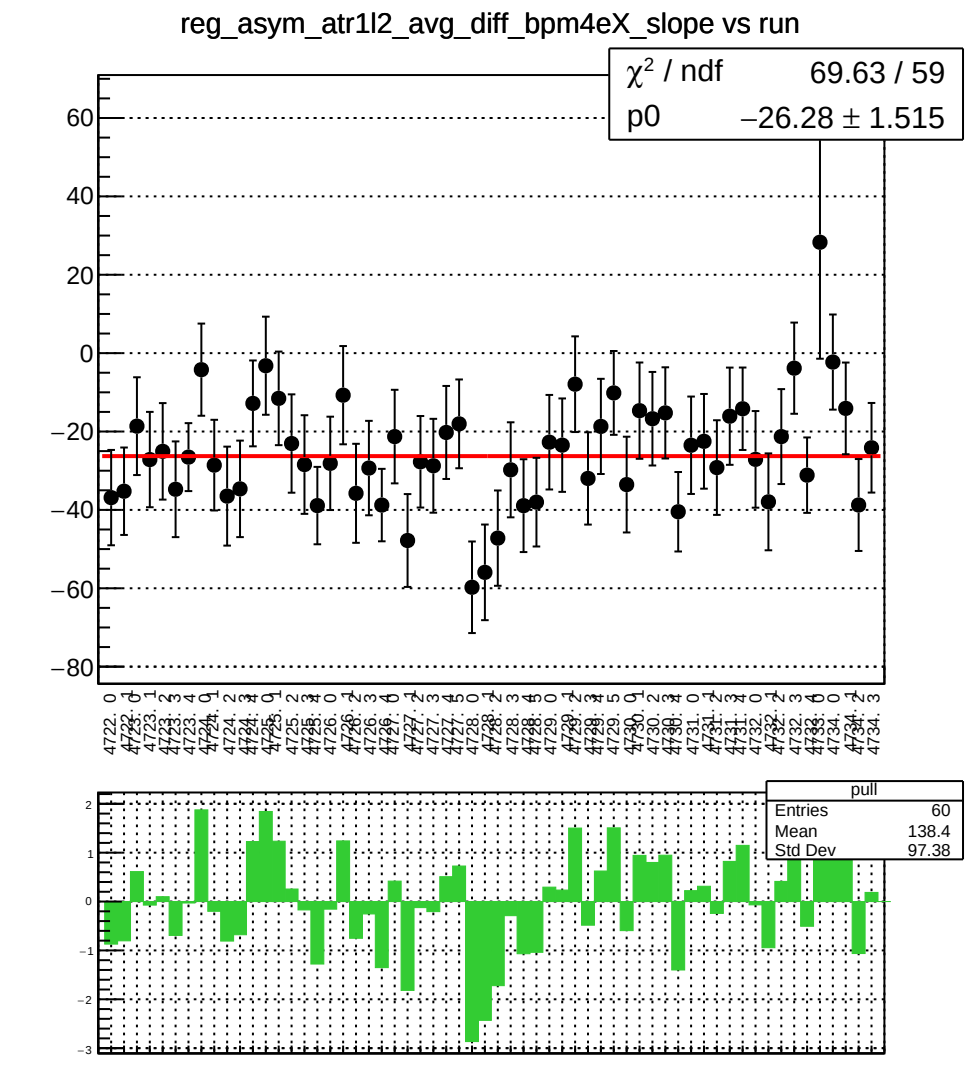

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 52.44 / 59
p0 25.56 ± 1.543
pull
Entries 60
Mean 314.6
Std Dev 287.4

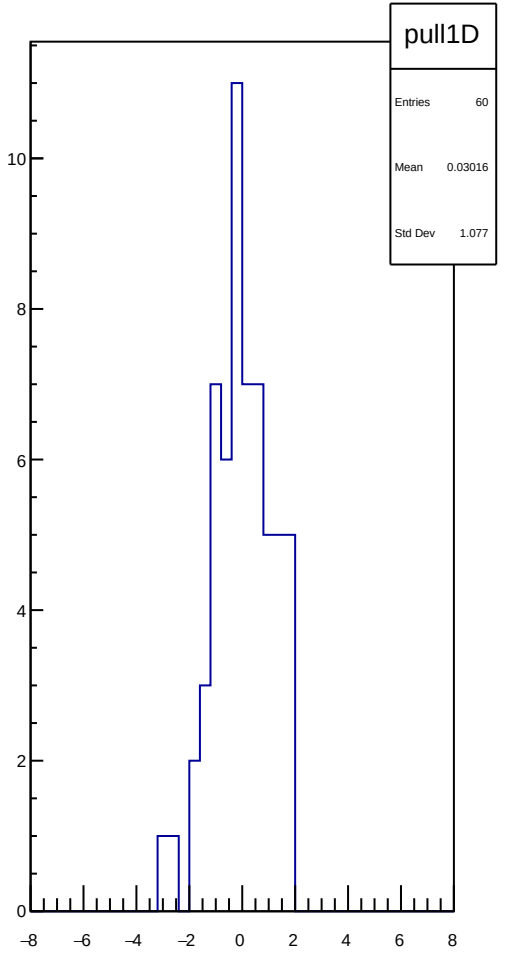

pull1D
Entries 60
Mean 0.007457
Std Dev 0.9349

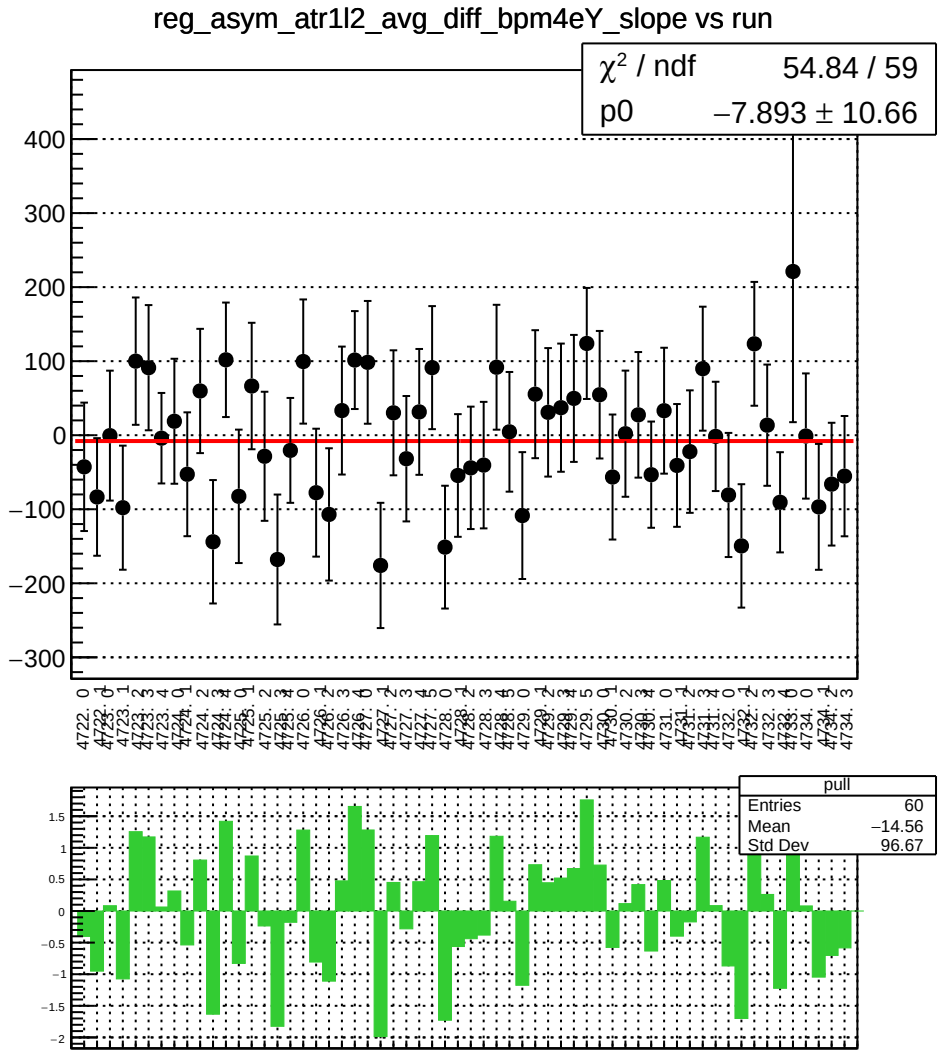

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 53.61 / 59
p0 −6.391 ± 8.547
200
100
0
−100
−200
−300
−400
pull
Entries 60
Mean 163.4
Std Dev 124.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 60
Mean −0.02229
Std Dev 0.945
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

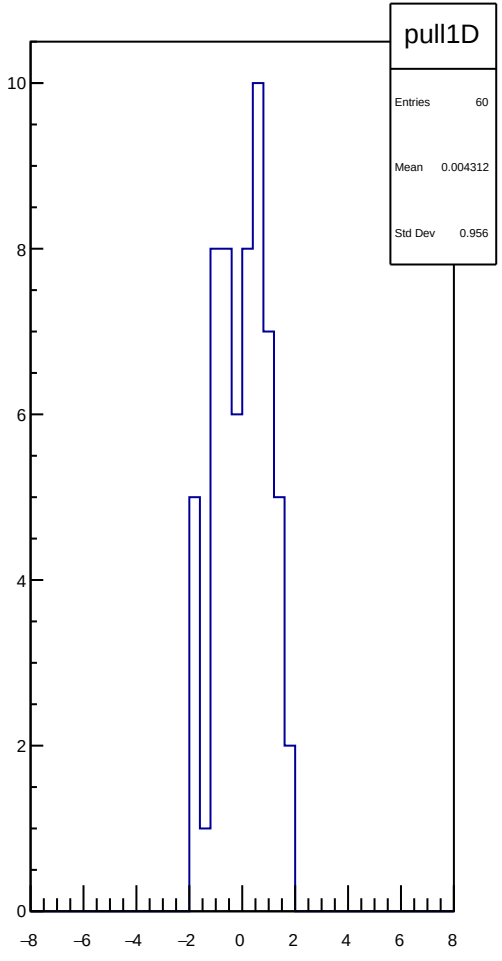

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 58.85 / 59
p0 2.695 ± 8.124
200
100
0
−100
−200
−300
pull
Entries 60
Mean −9.305
Std Dev 146.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

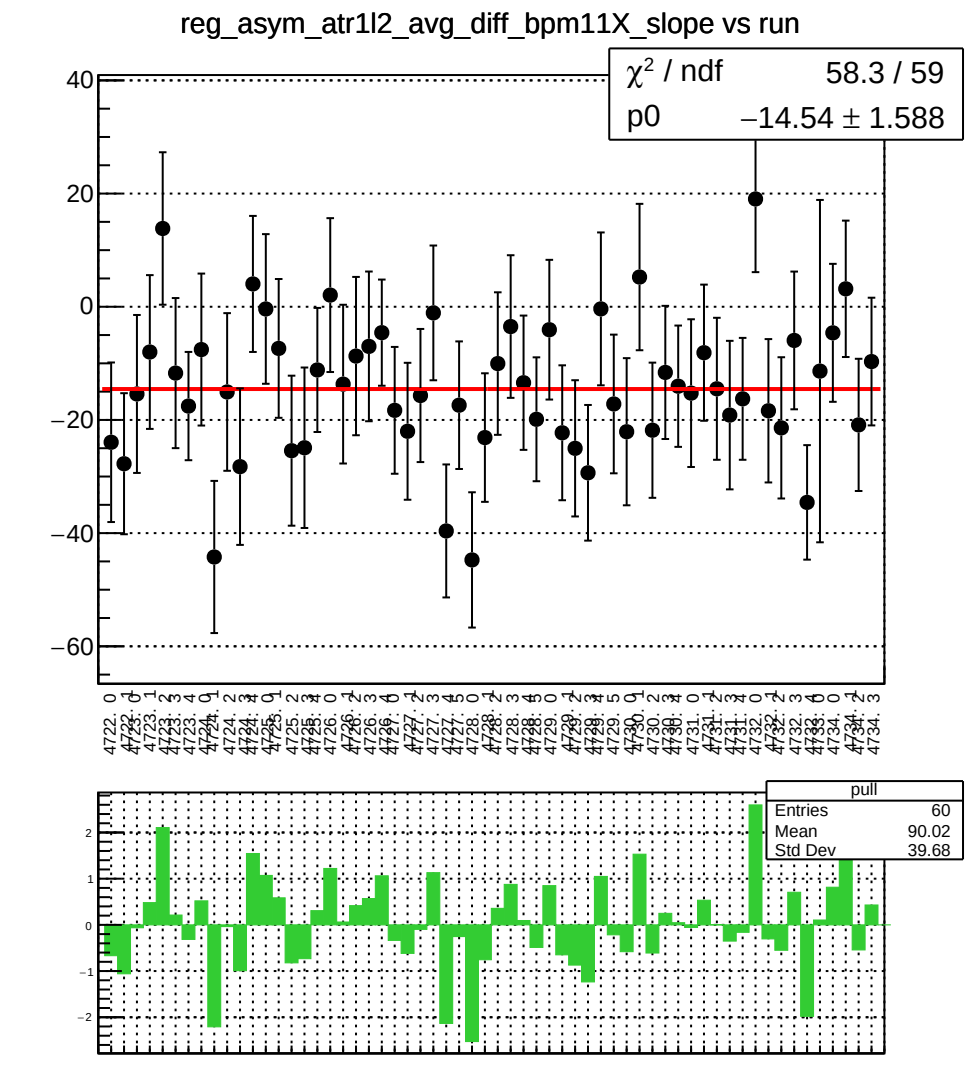

pull1D
Entries 60
Mean −0.002137
Std Dev 0.9904
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

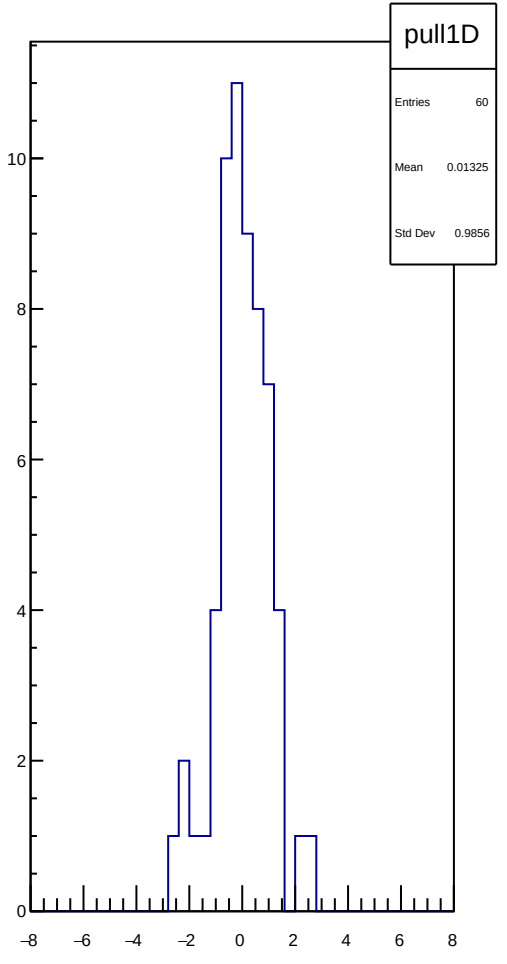

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.63 / 59
p0 −26.28 ± 1.515
pull
Entries 60
Mean 138.4
Std Dev 97.38

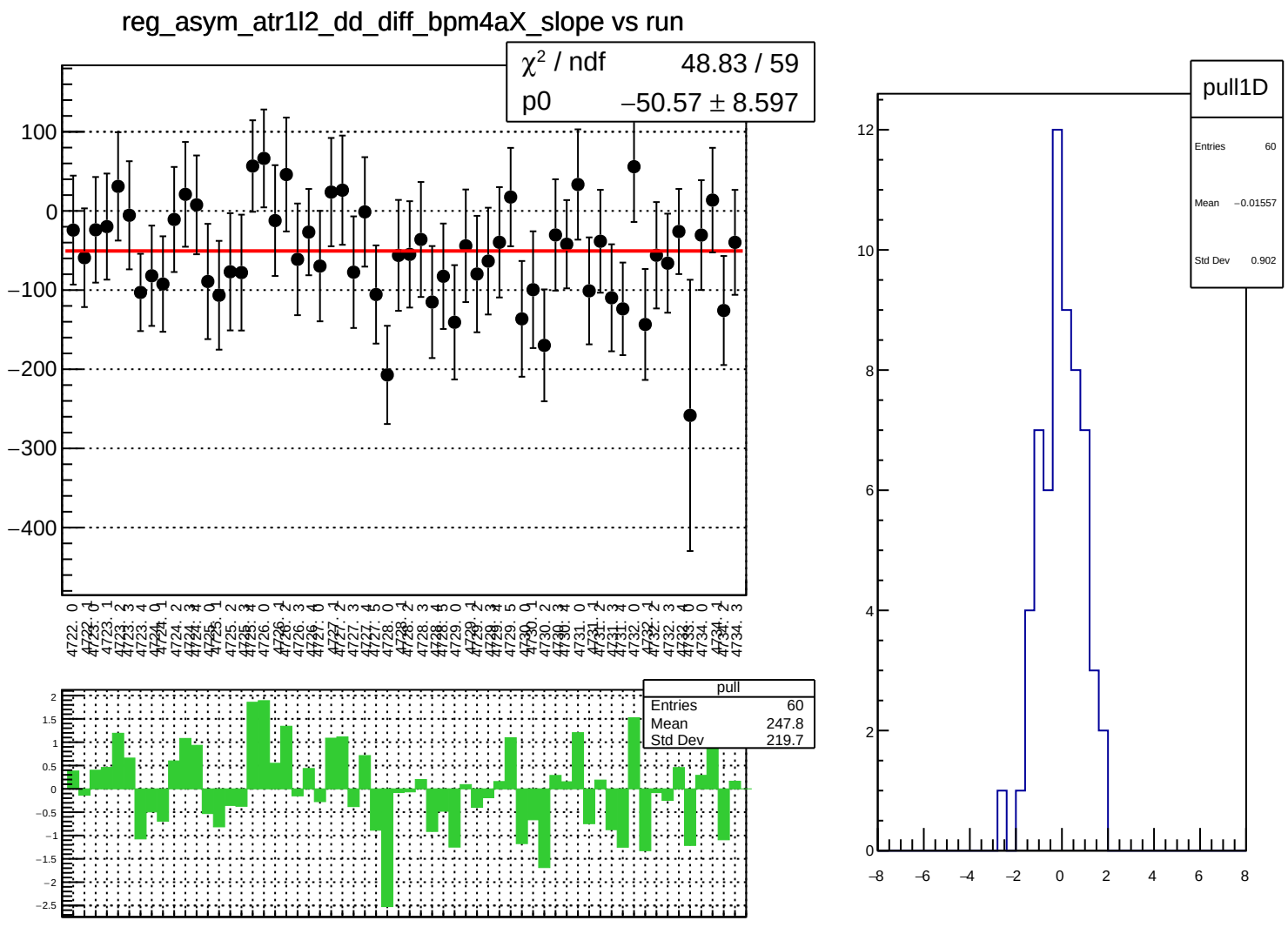

pull1D
Entries 60
Mean 0.03016
Std Dev 1.077

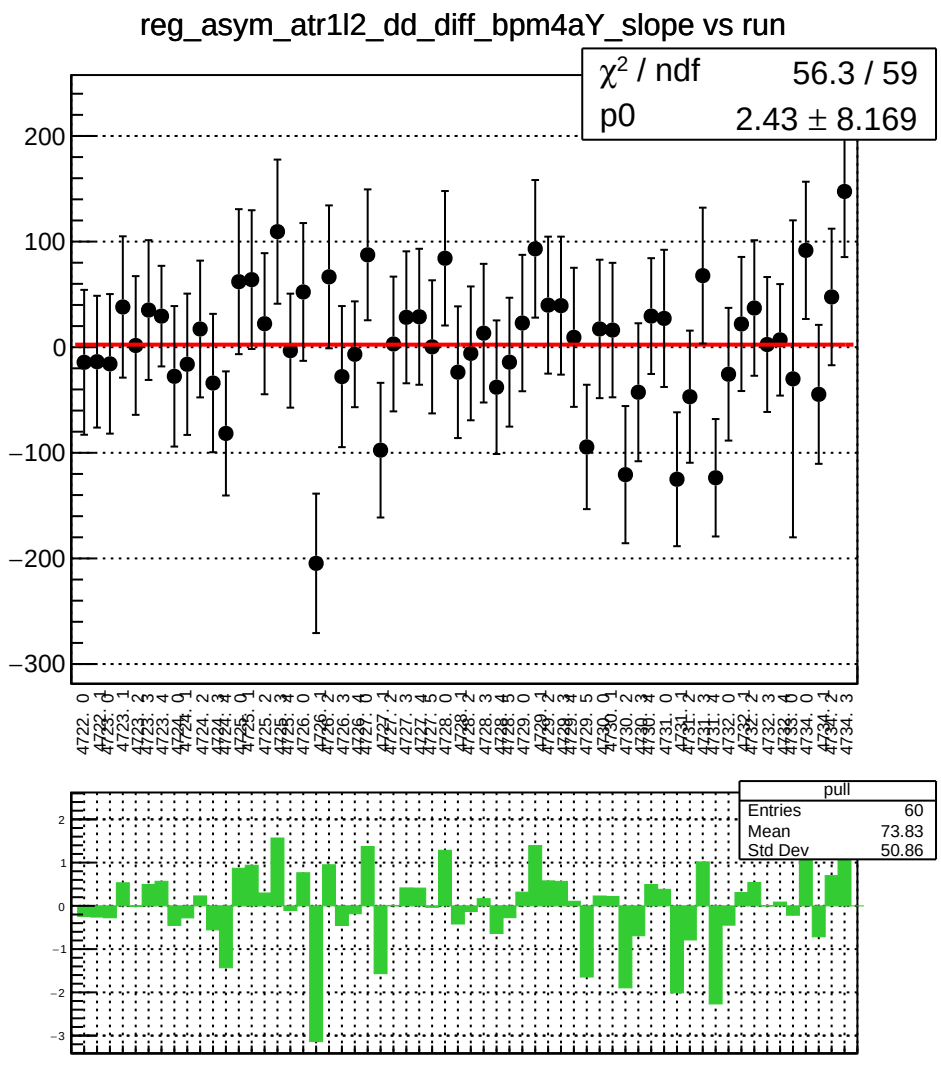

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.84 / 59
p0 −7.893 ± 10.66
pull
Entries 60
Mean −14.56
Std Dev 96.67

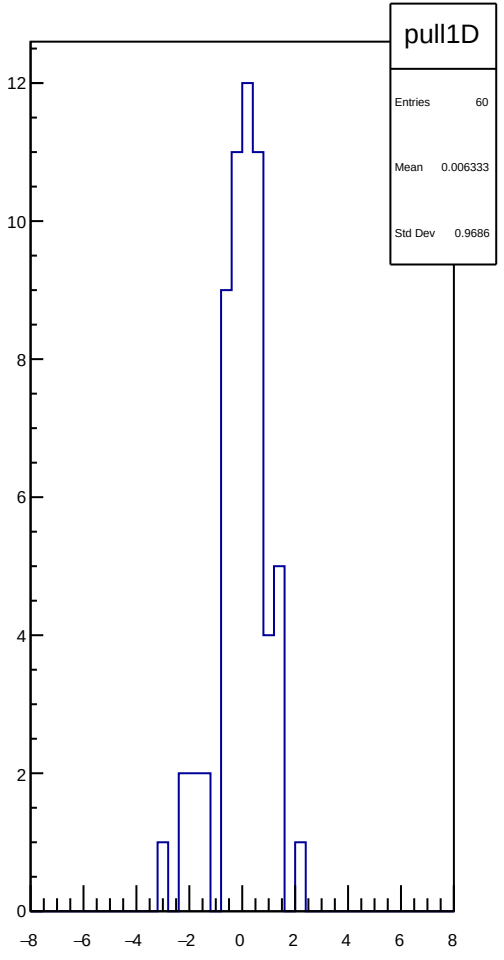

pull1D
Entries 60
Mean 0.004312
Std Dev 0.956

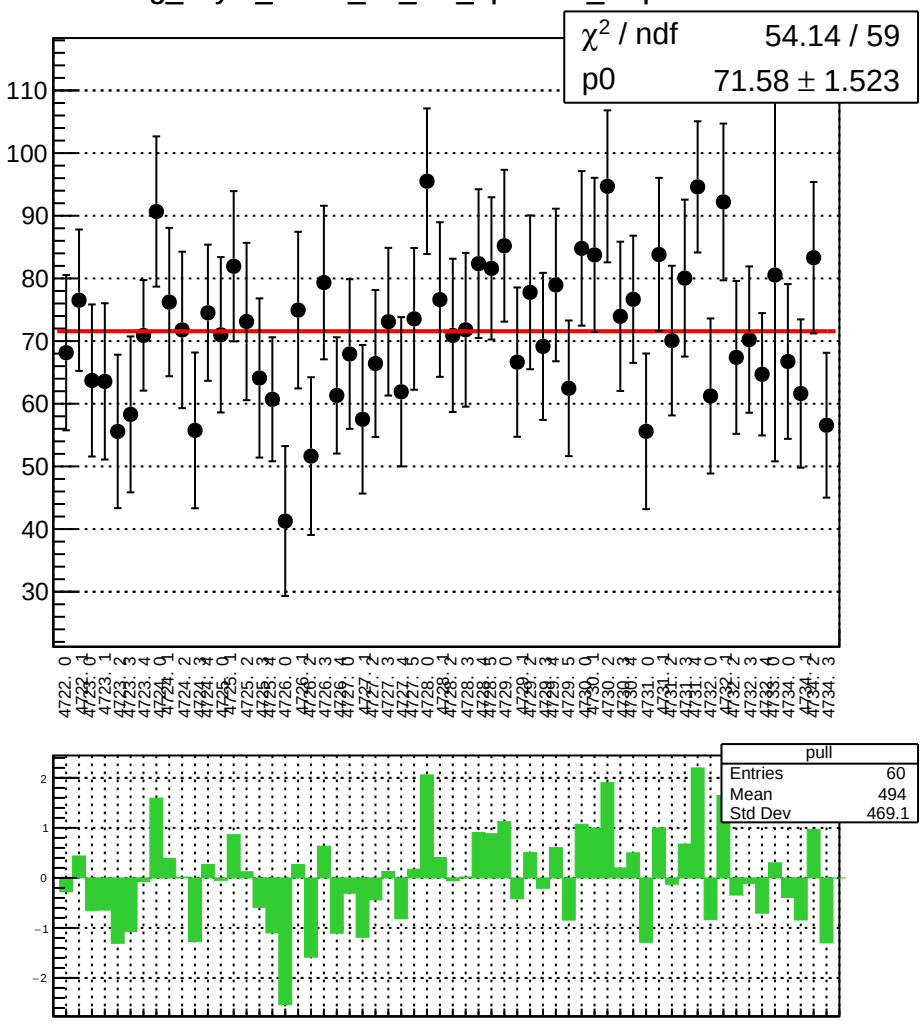

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 58.3 / 59
p0 −14.54 ± 1.588
pull
Entries 60
Mean 90.02
Std Dev 39.68

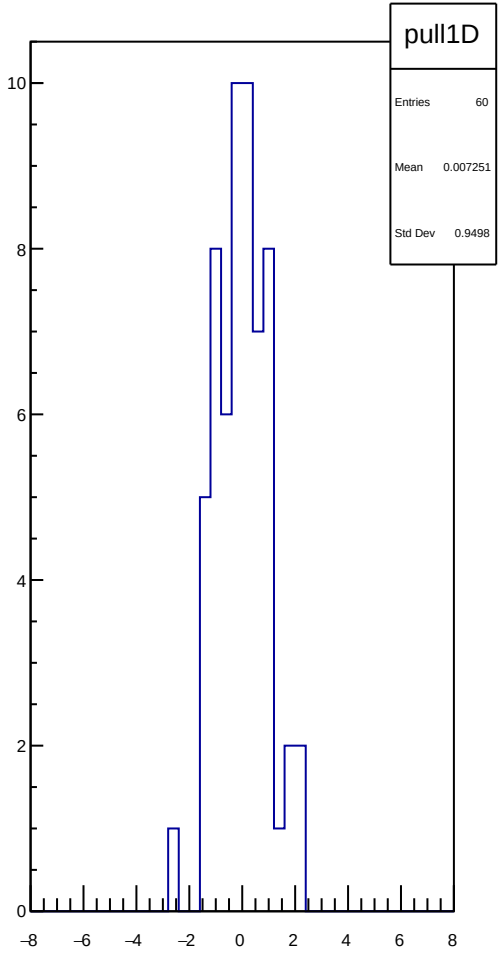

pull1D
Entries 60
Mean 0.01325
Std Dev 0.9856

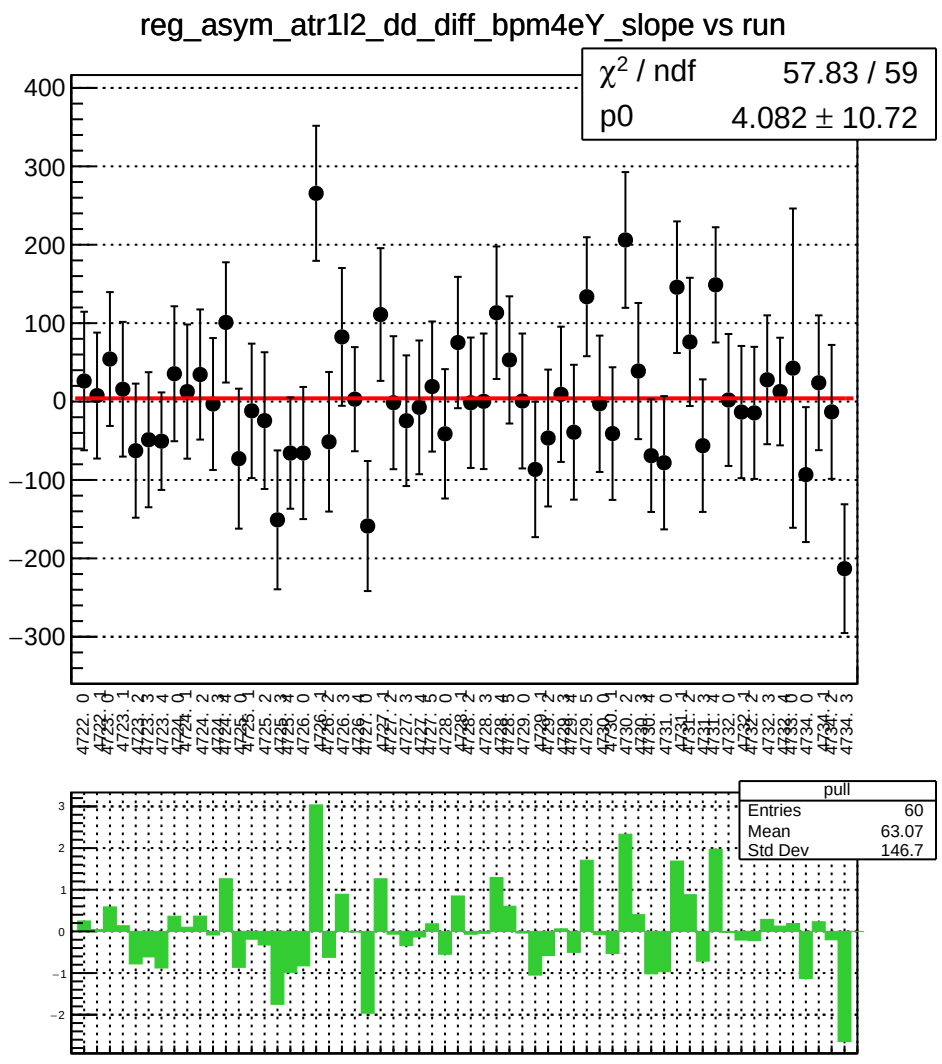

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 48.83 / 59
p0 −50.57 ± 8.597
pull
Entries 60
Mean 247.8
Std Dev 219.7
pull1D
Entries 60
Mean −0.01557
Std Dev 0.902

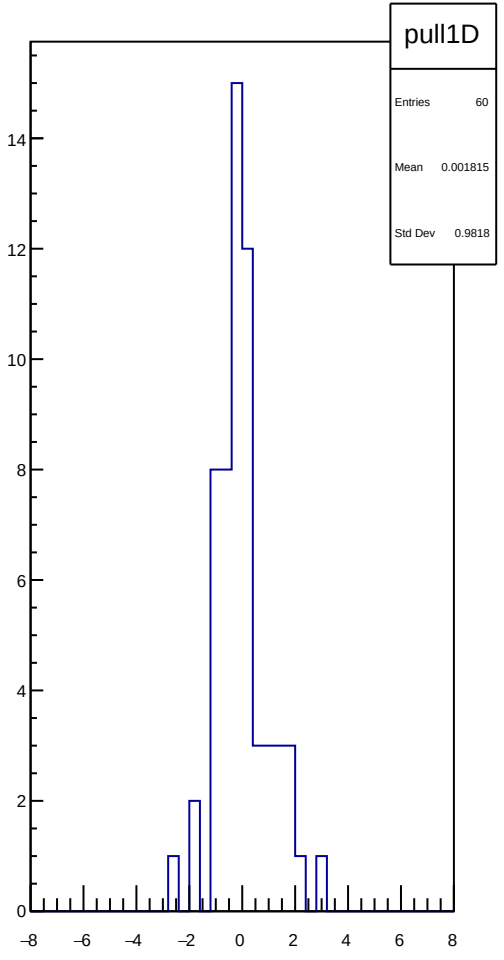

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.3 / 59
p0 2.43 ± 8.169
200
100
0
−100
−200
−300
pull
Entries 60
Mean 73.83
Std Dev 50.86
2
1
0
−1
−2
−3

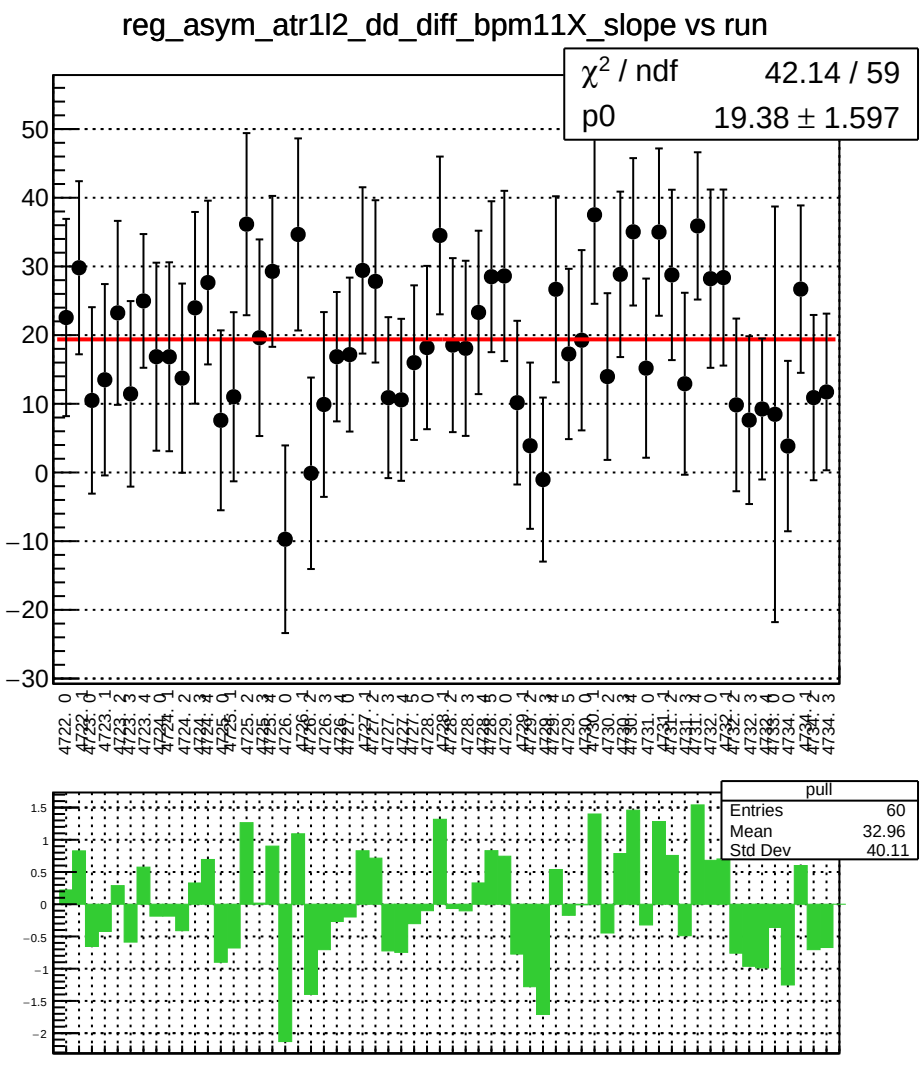

pull1D
Entries 60
Mean 0.006333
Std Dev 0.9686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

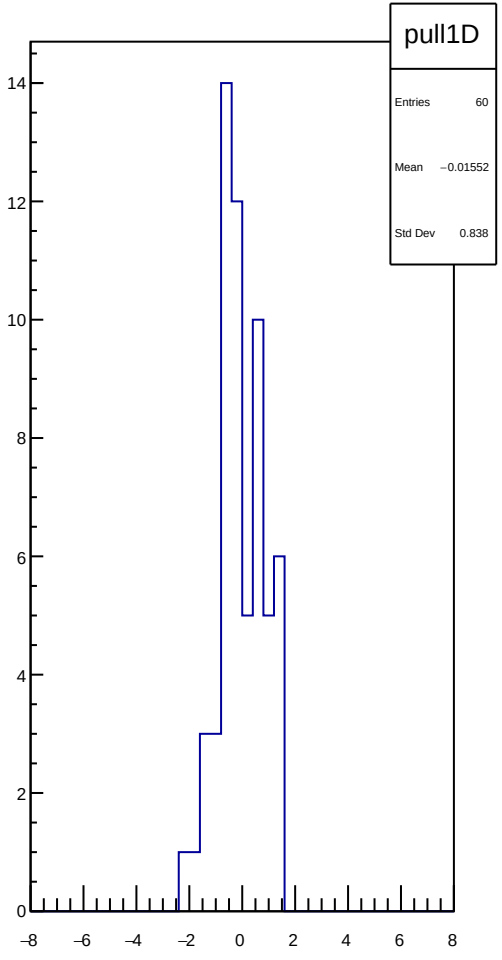

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.14 / 59
p0 71.58 ± 1.523
pull
Entries 60
Mean 494
Std Dev 469.1

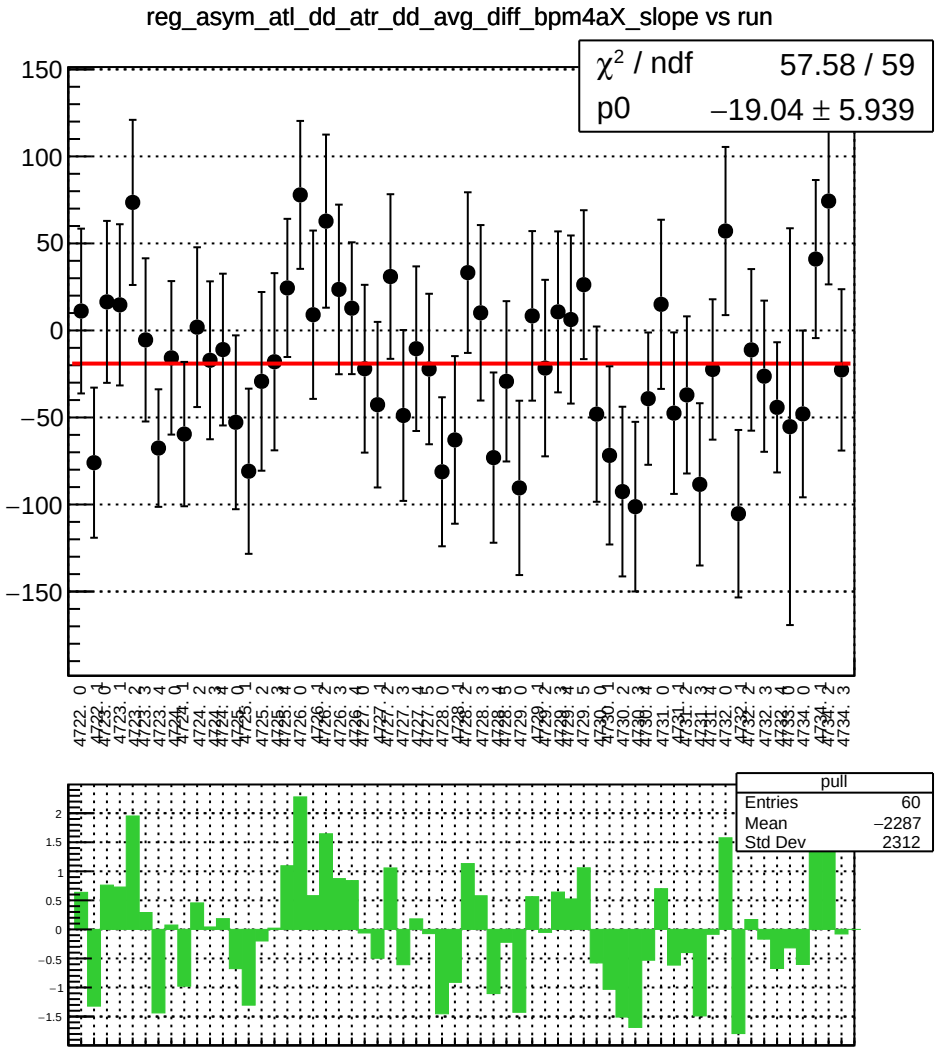

pull1D
Entries 60
Mean 0.007251
Std Dev 0.9498

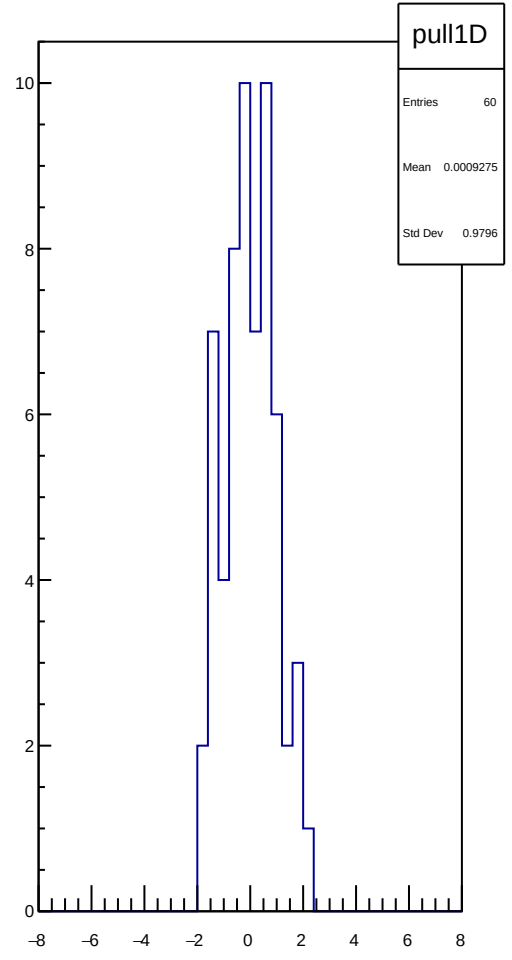

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.83 / 59
p0 4.082 ± 10.72
pull
Entries 60
Mean 63.07
Std Dev 146.7

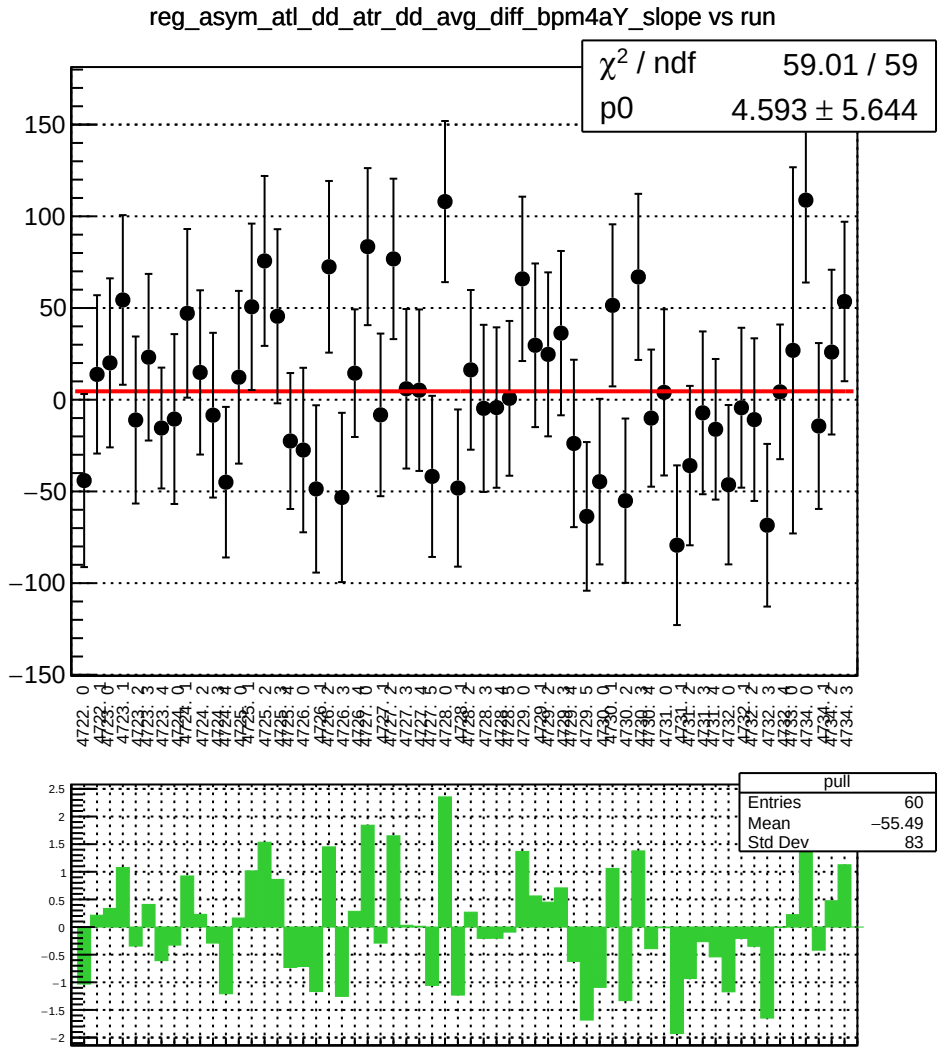

pull1D
Entries 60
Mean 0.001815
Std Dev 0.9818

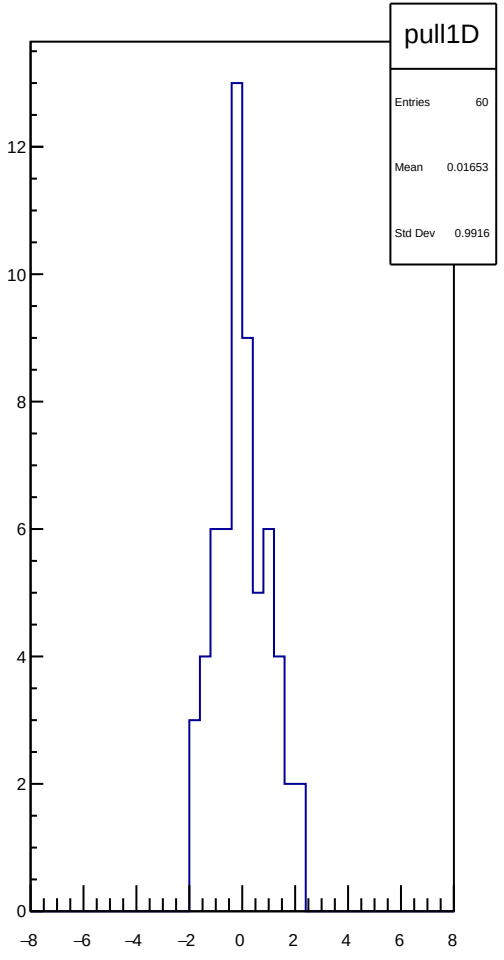

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 42.14 / 59
p0 19.38 ± 1.597
pull
Entries 60
Mean 32.96
Std Dev 40.11

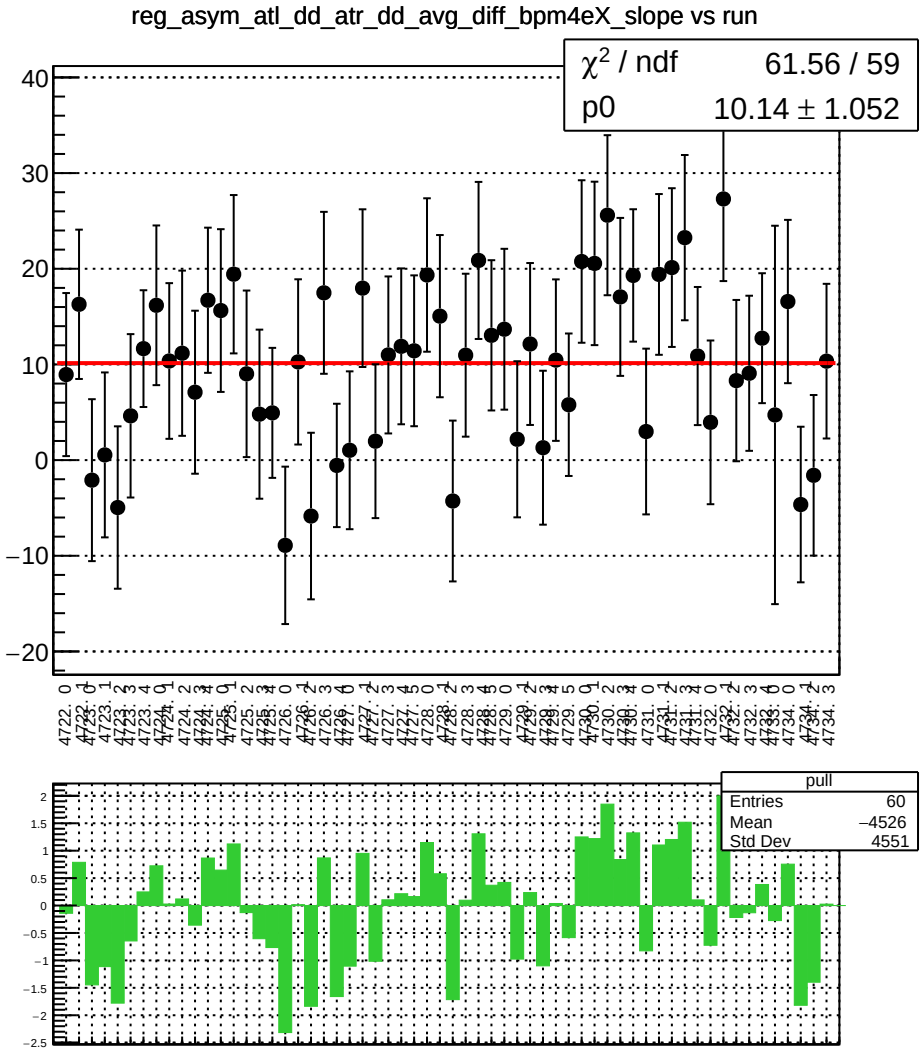

pull1D
Entries 60
Mean −0.01552
Std Dev 0.838

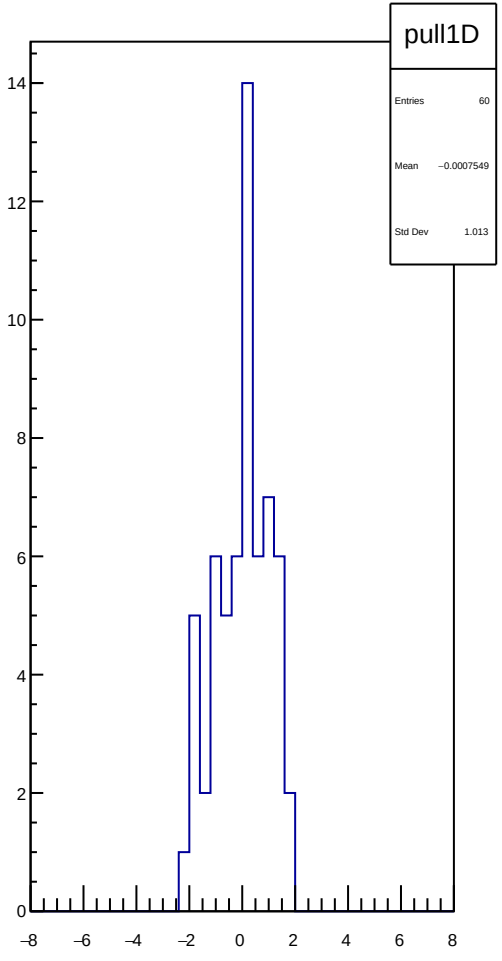

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 57.58 / 59
p0 −19.04 ± 5.939
pull
Entries 60
Mean −2287
Std Dev 2312

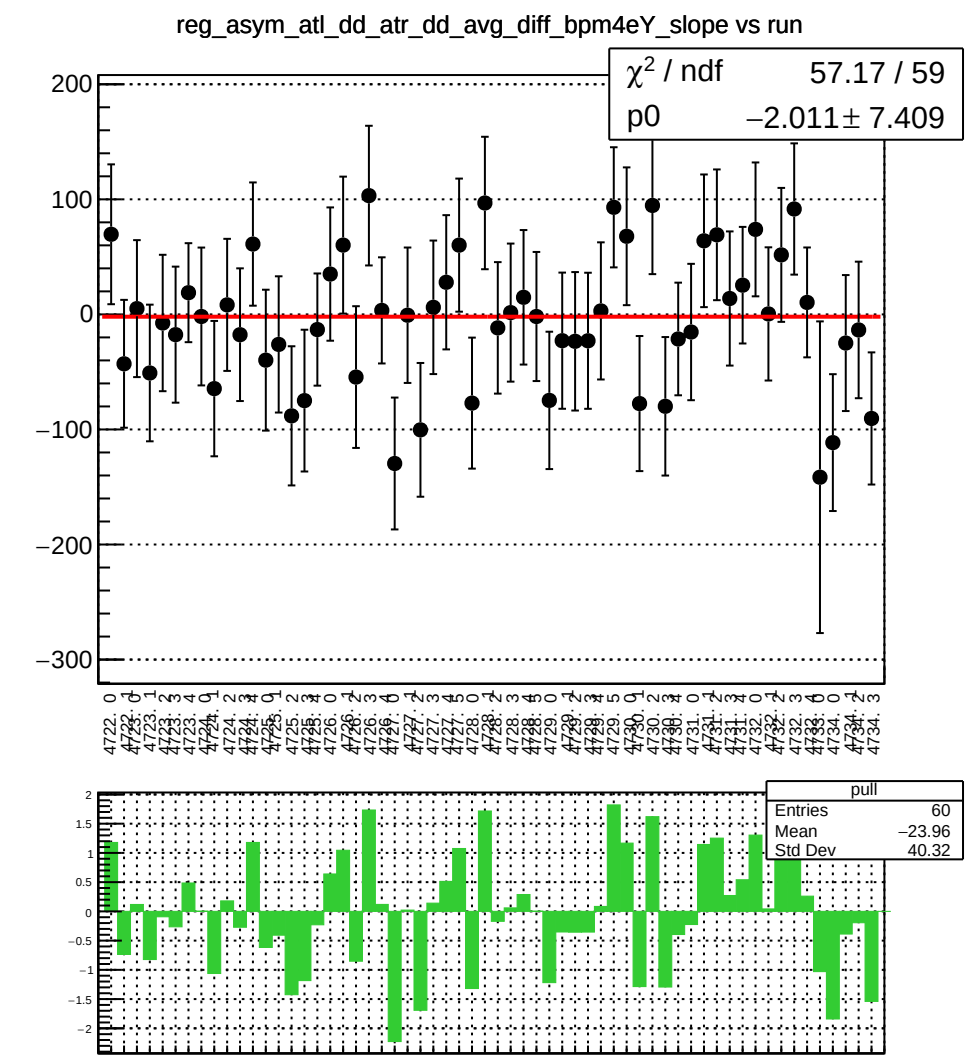

pull1D
Entries 60
Mean 0.0009275
Std Dev 0.9796

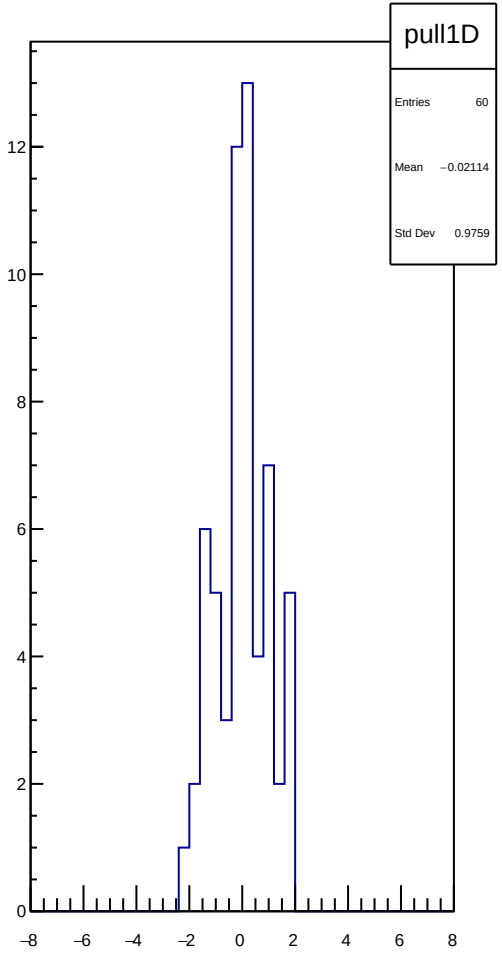

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 59.01 / 59
p0 4.593 ± 5.644
150
100
50
0
−50
−100
−150
pull
Entries 60
Mean −55.49
Std Dev 83
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

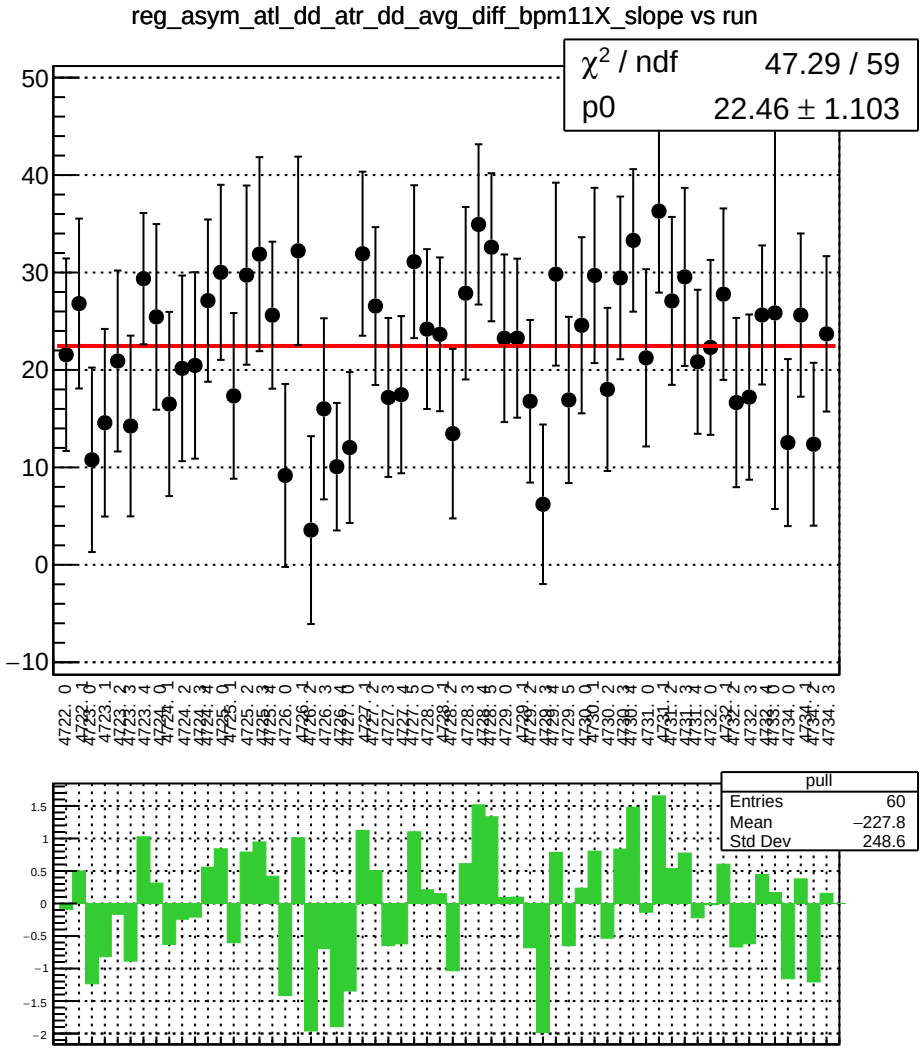

pull1D
Entries 60
Mean 0.01653
Std Dev 0.9916
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

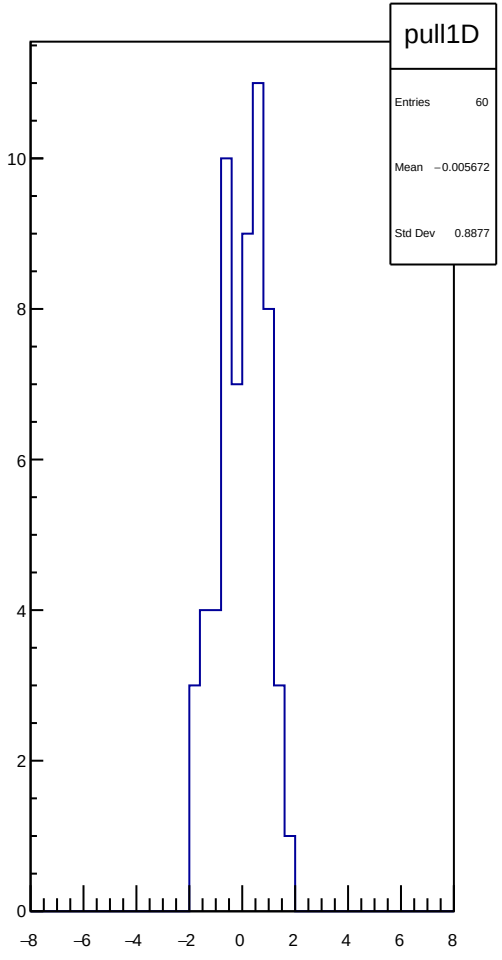

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.56 / 59
p0 10.14 ± 1.052
pull
Entries 60
Mean −4526
Std Dev 4551

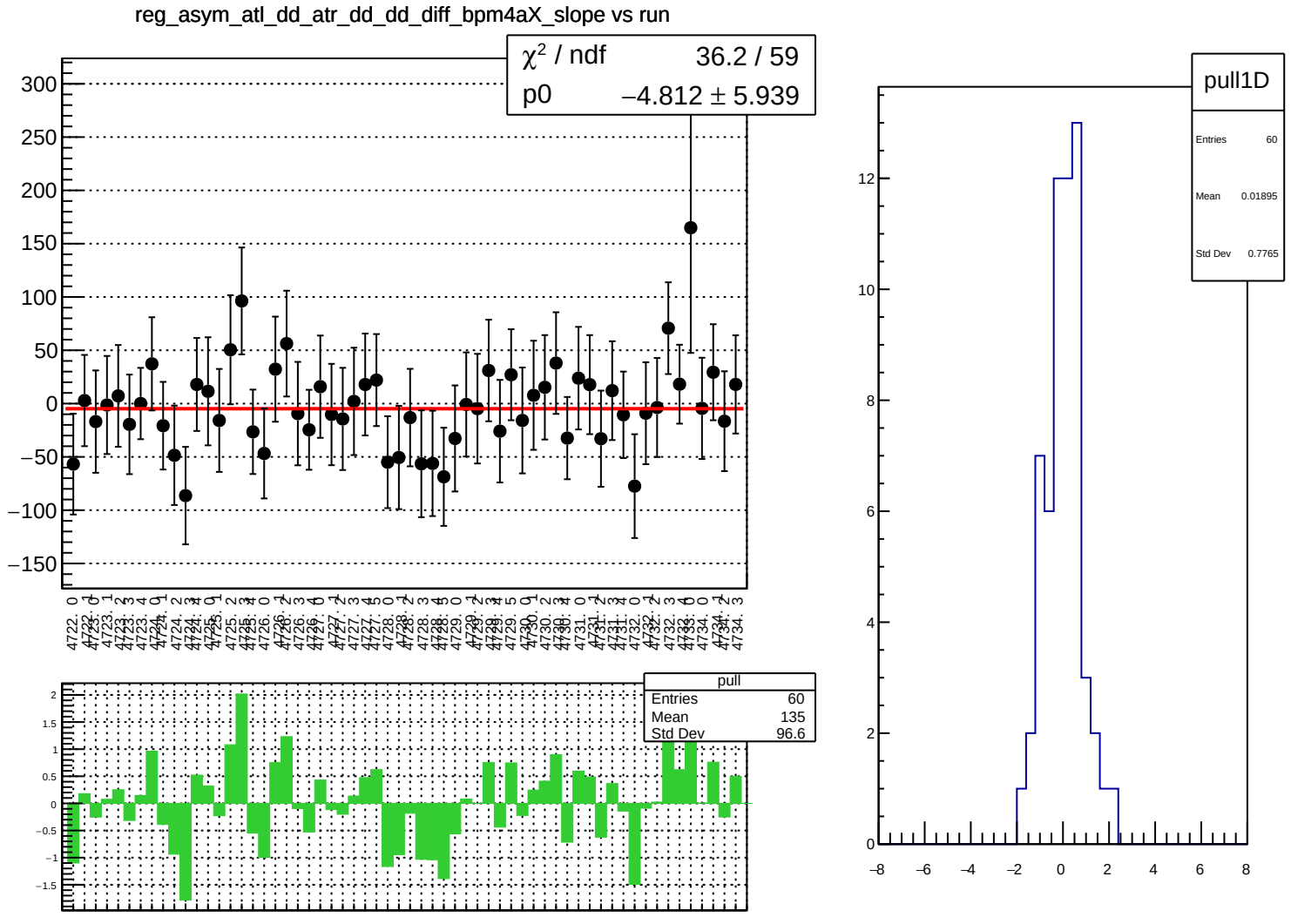

pull1D
Entries 60
Mean −0.0007549
Std Dev 1.013

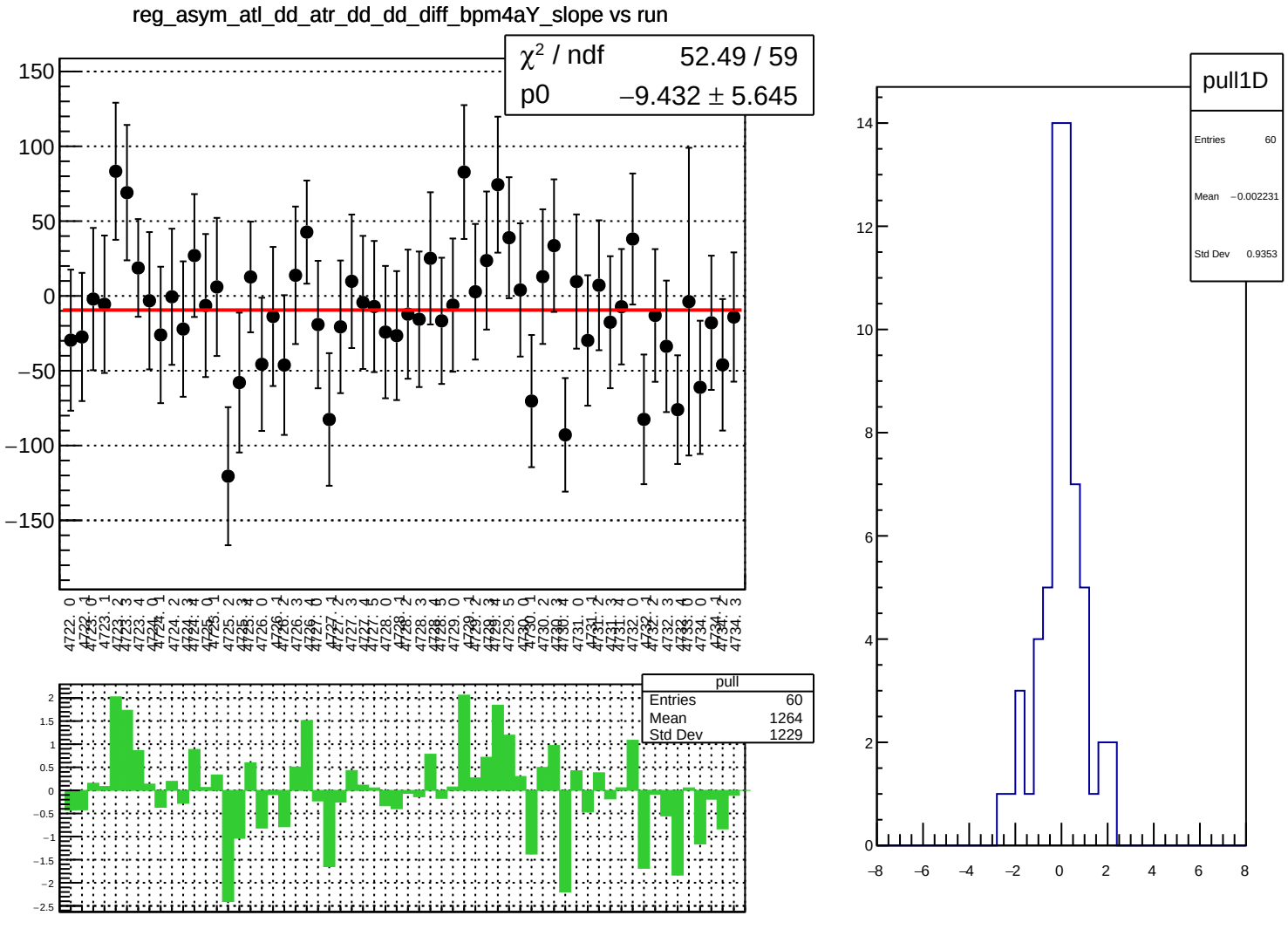

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.17 / 59
p0 −2.011 ± 7.409
pull
Entries 60
Mean −23.96
Std Dev 40.32

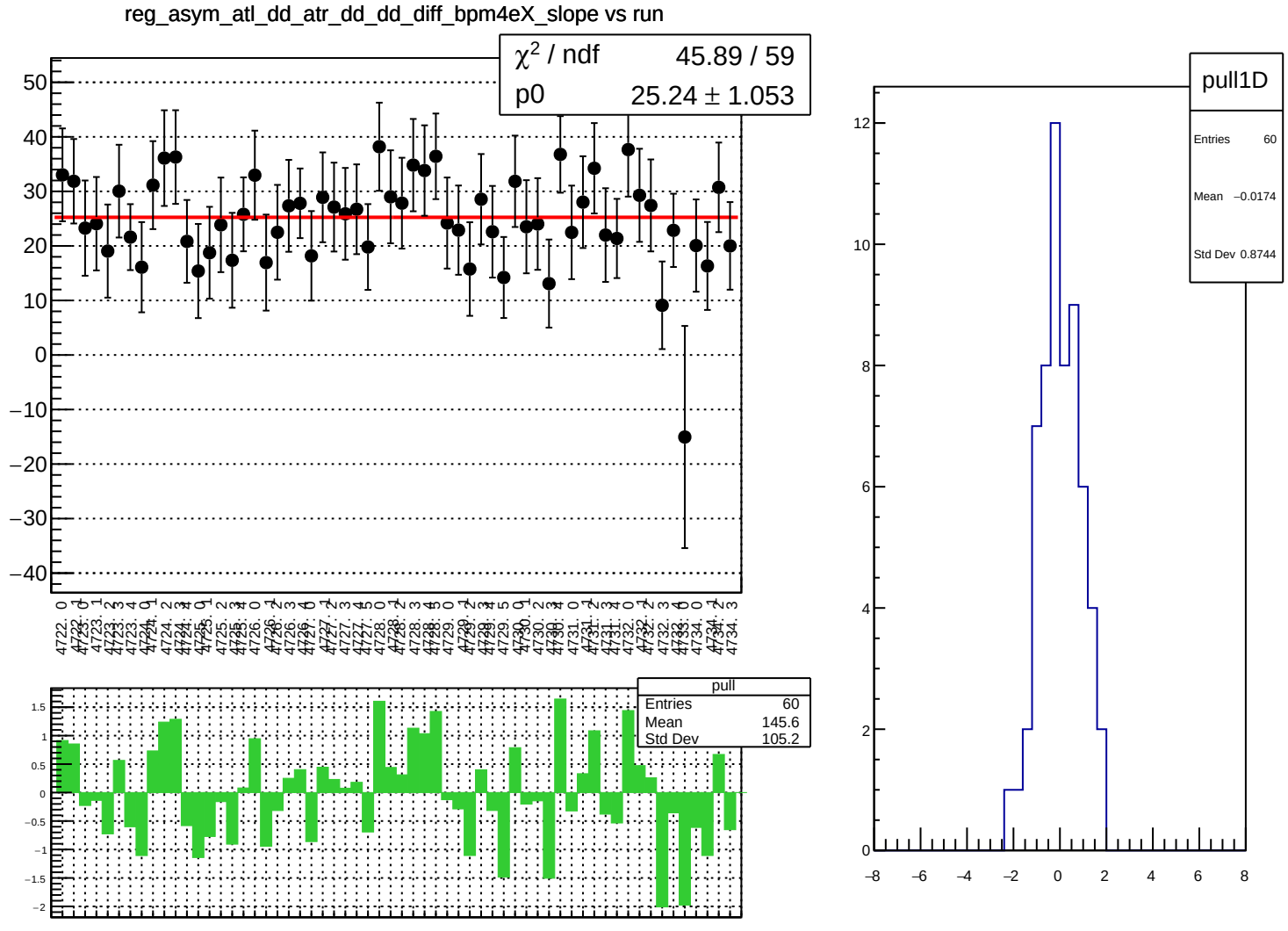

pull1D
Entries 60
Mean −0.02114
Std Dev 0.9759

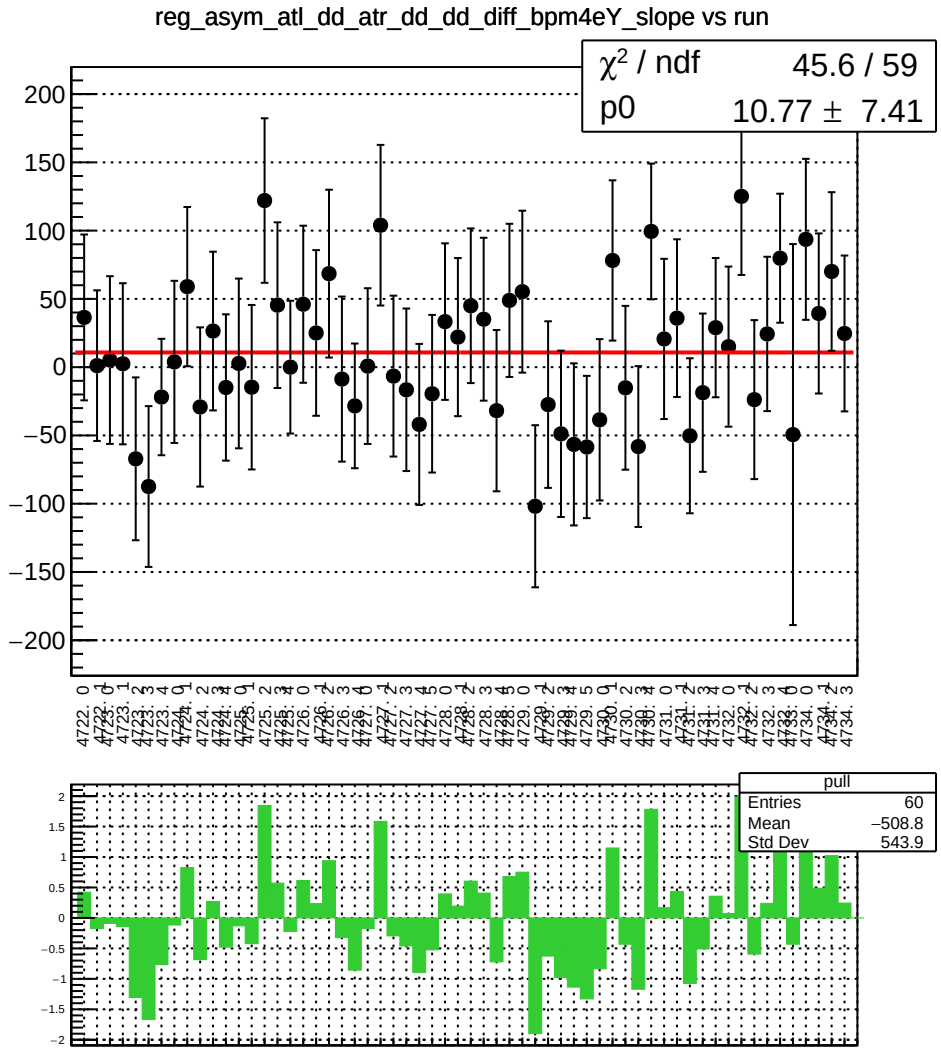

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ² / ndf 47.29 / 59
p0 22.46 ± 1.103
pull
Entries 60
Mean −227.8
Std Dev 248.6

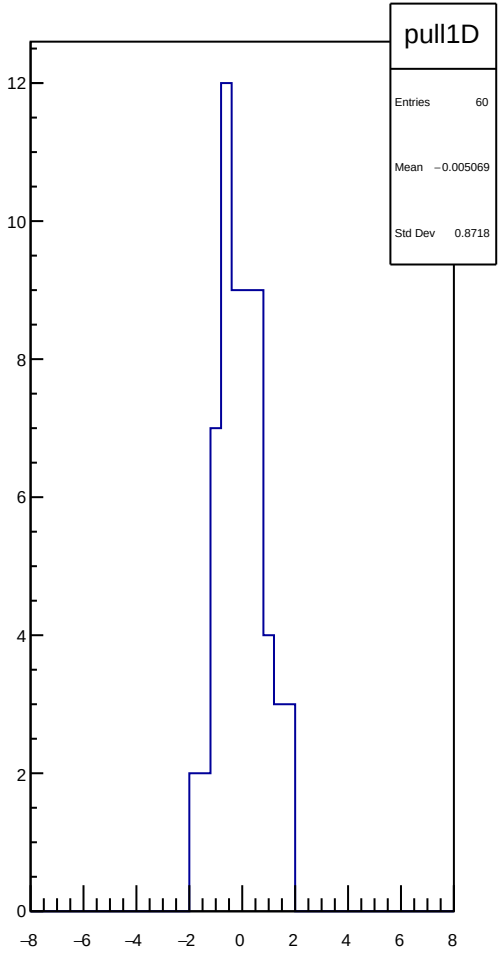

pull1D
Entries 60
Mean −0.005672
Std Dev 0.8877

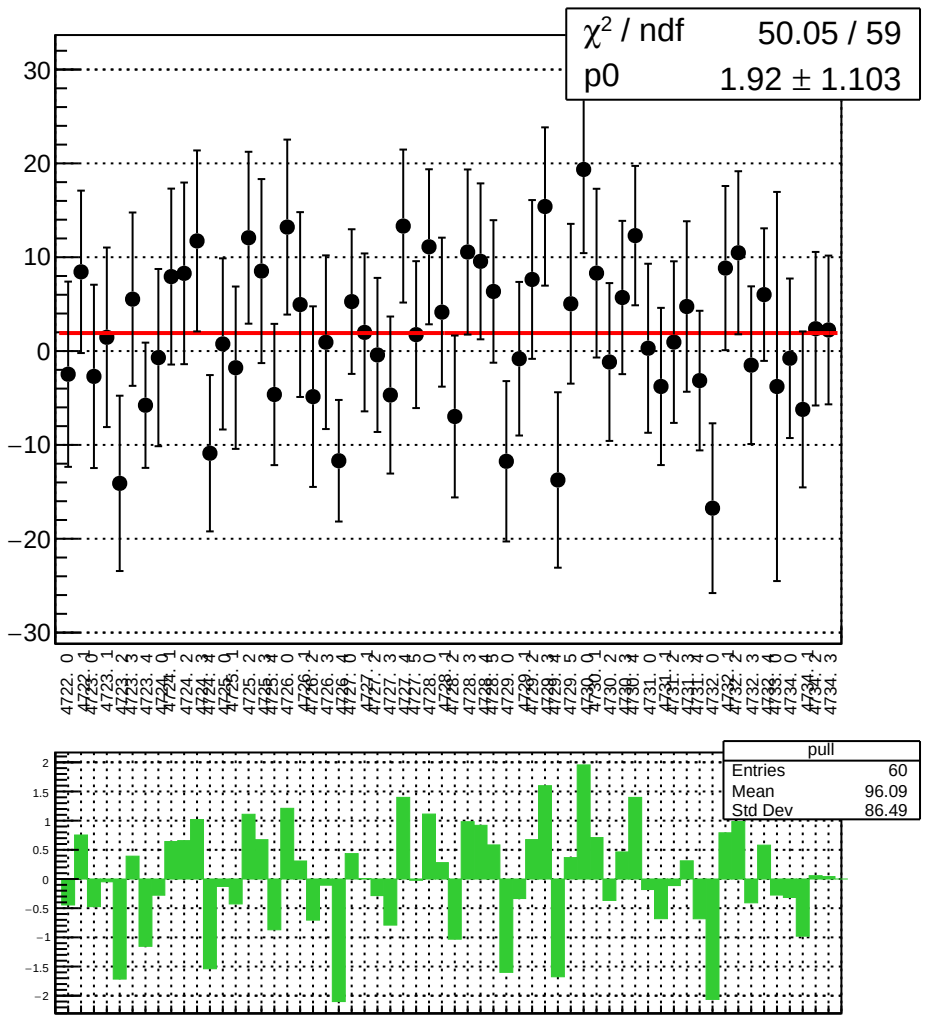

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.2 / 59
p0 −4.812 ± 5.939
pull
Entries 60
Mean 135
Std Dev 96.6
pull1D
Entries 60
Mean 0.01895
Std Dev 0.7765

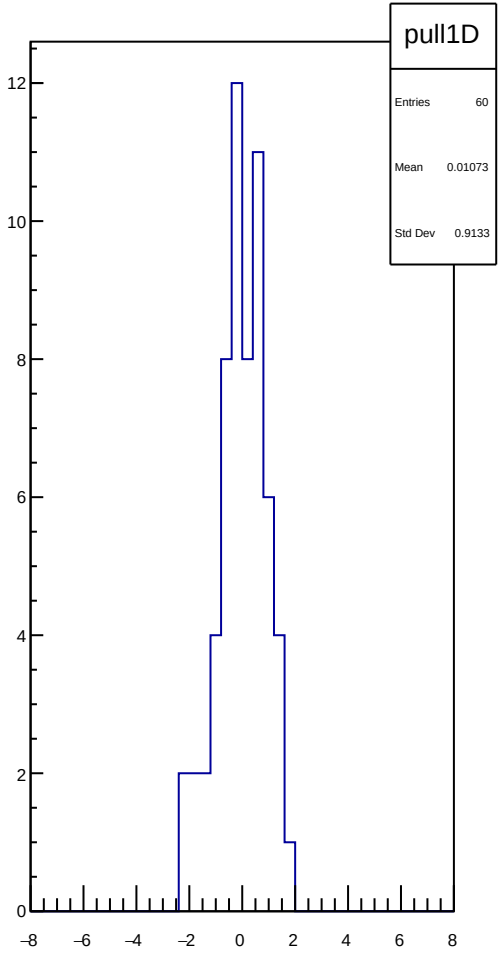

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.49 / 59
p0 −9.432 ± 5.645
pull
Entries 60
Mean 1264
Std Dev 1229
pull1D
Entries 60
Mean −0.002231
Std Dev 0.9353

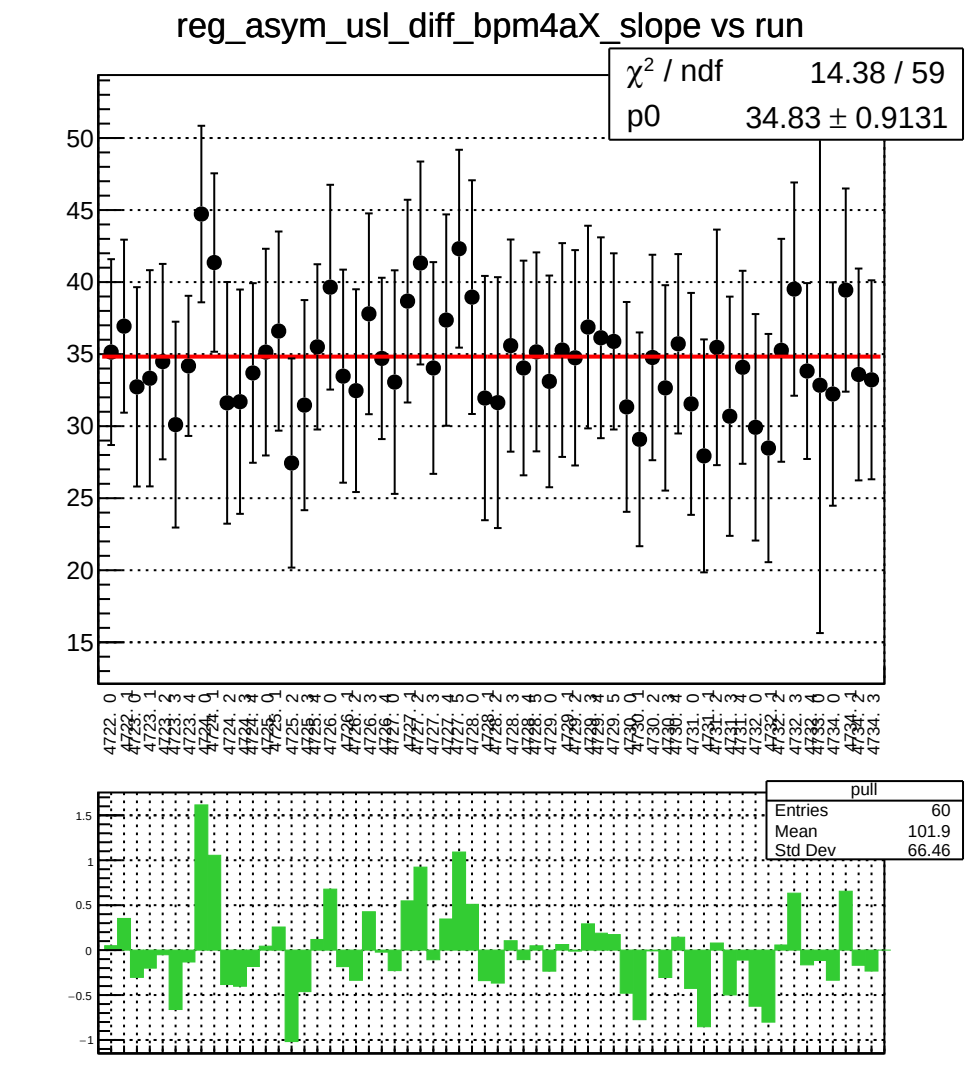

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.89 / 59
p0 25.24 ± 1.053
pull
Entries 60
Mean 145.6
Std Dev 105.2
pull1D
Entries 60
Mean −0.0174
Std Dev 0.8744

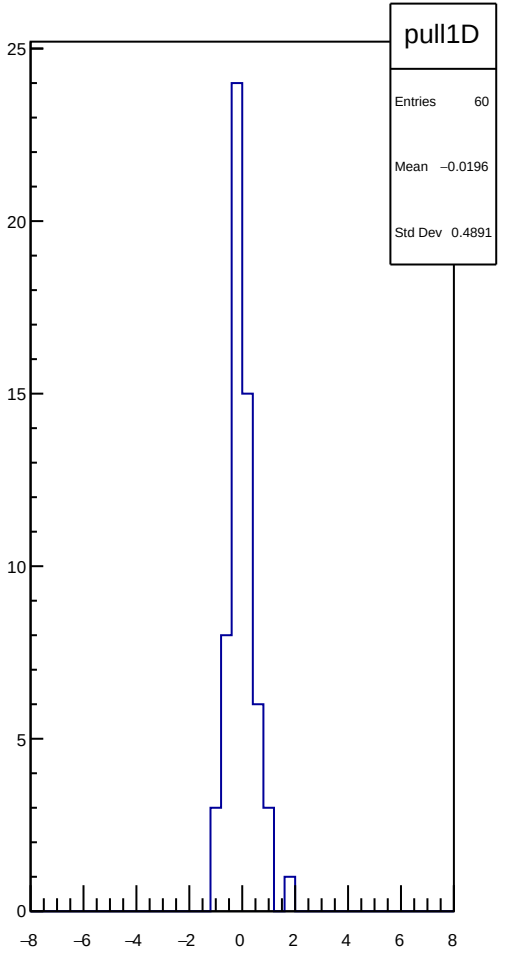

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.6 / 59
p0 10.77 ± 7.41
pull
Entries 60
Mean −508.8
Std Dev 543.9

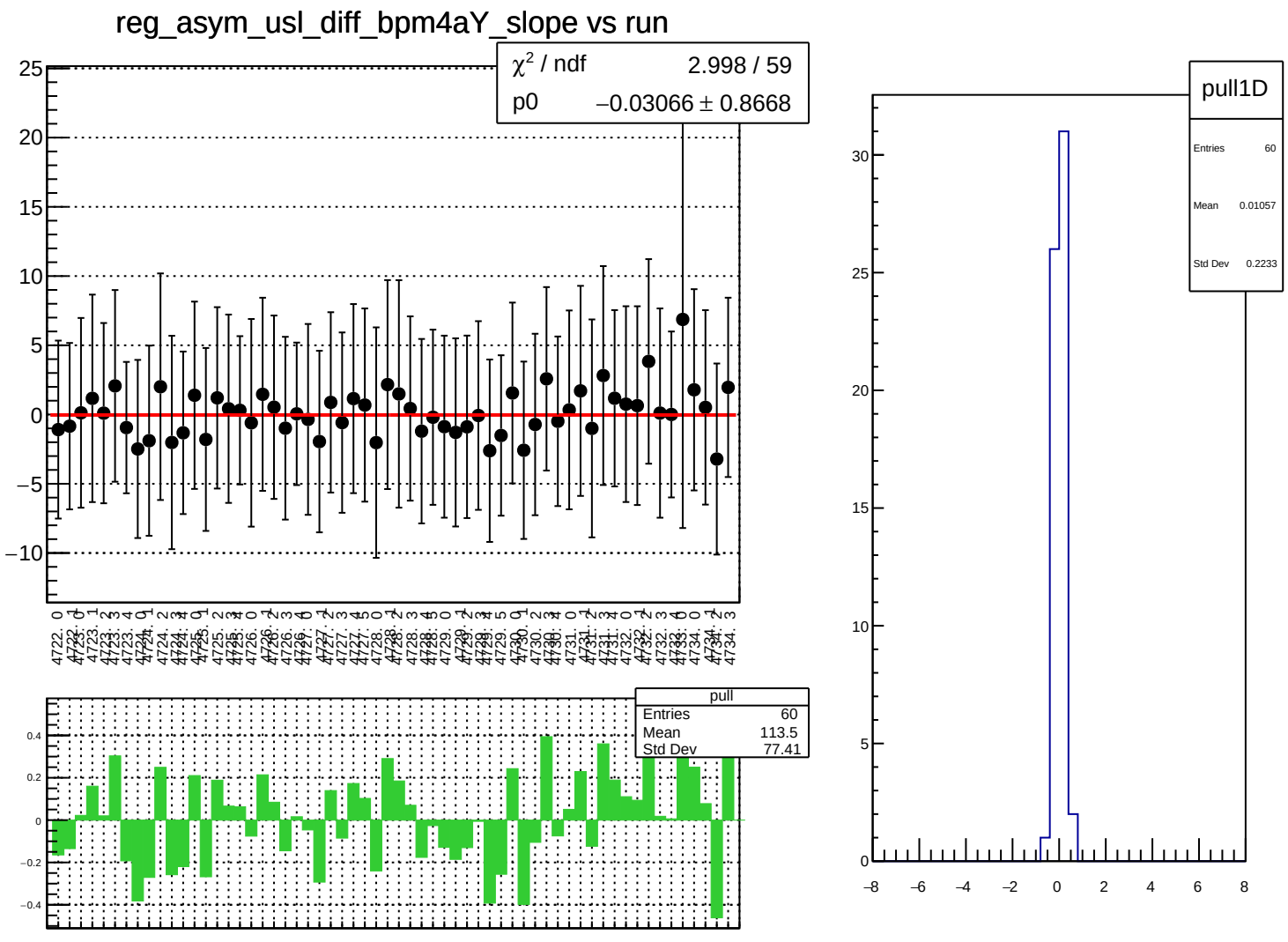

pull1D
Entries 60
Mean −0.005069
Std Dev 0.8718

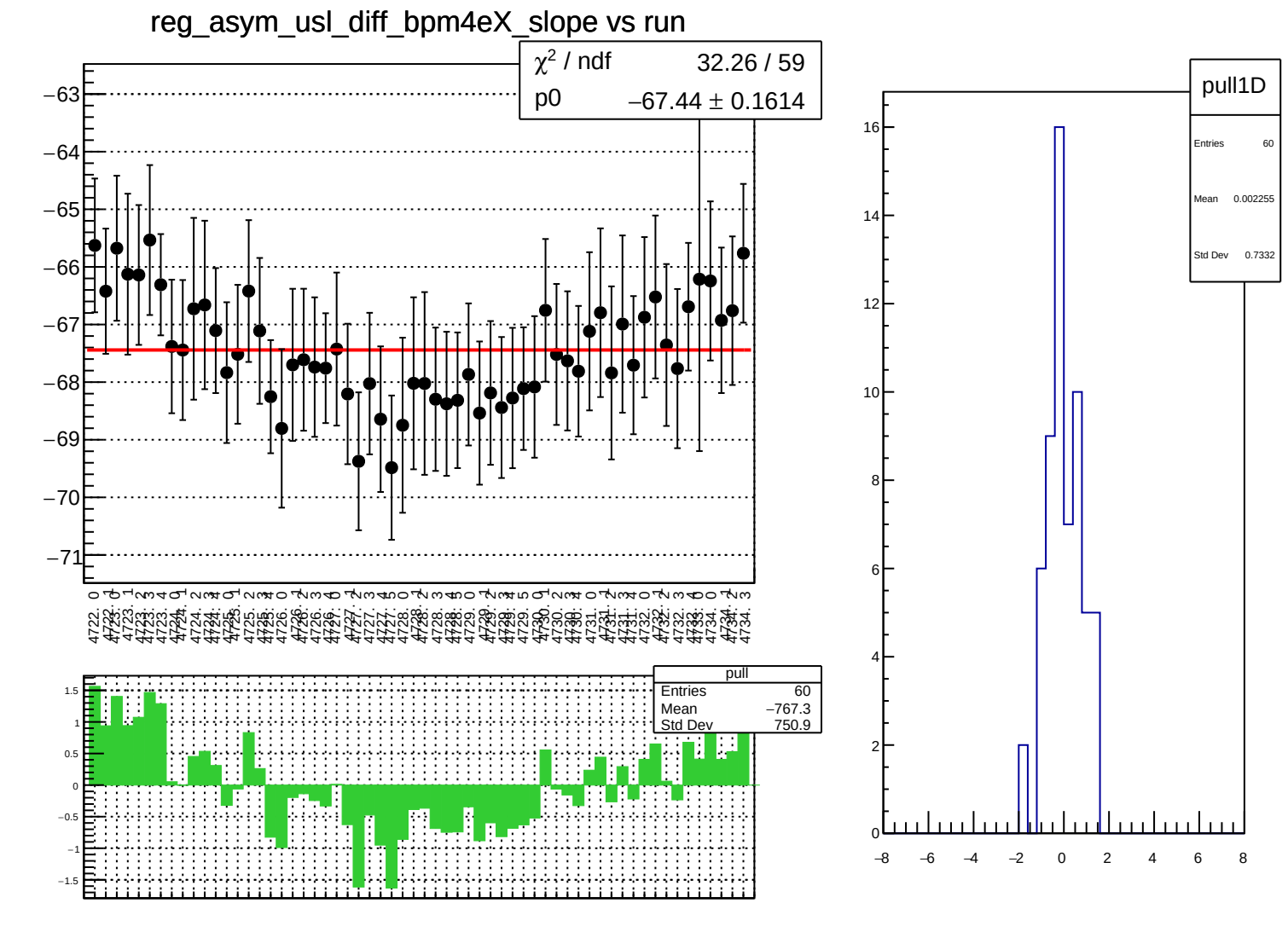

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run
χ² / ndf 50.05 / 59
p0 1.92 ± 1.103
pull
Entries 60
Mean 96.09
Std Dev 86.49

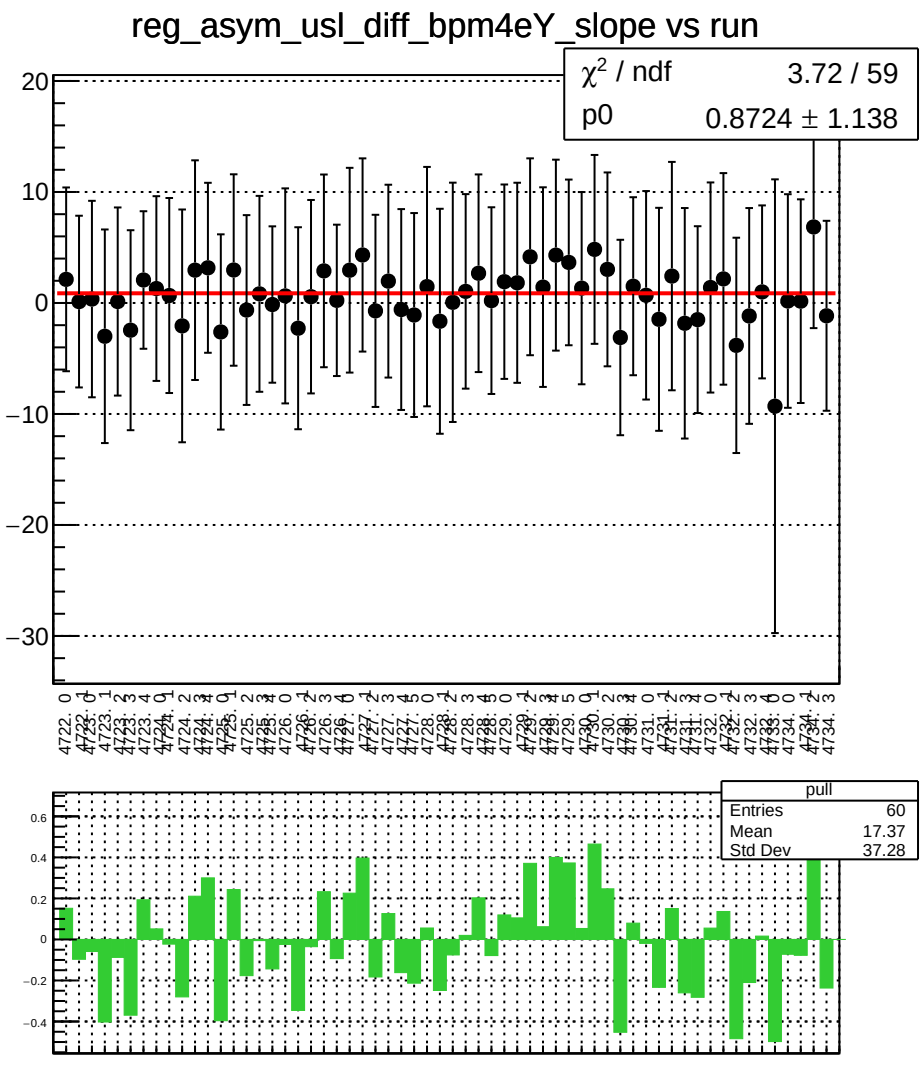

pull1D
Entries 60
Mean 0.01073
Std Dev 0.9133

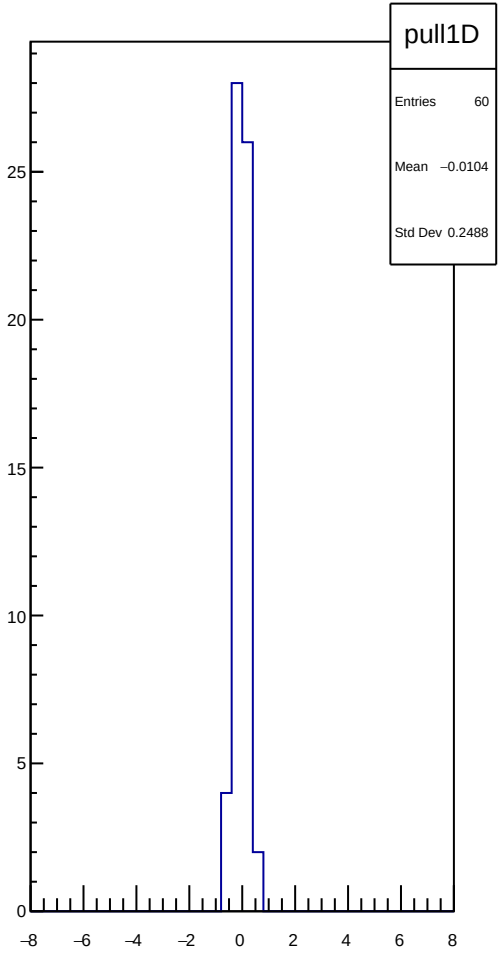

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 14.38 / 59
p0 34.83 ± 0.9131
pull
Entries 60
Mean 101.9
Std Dev 66.46

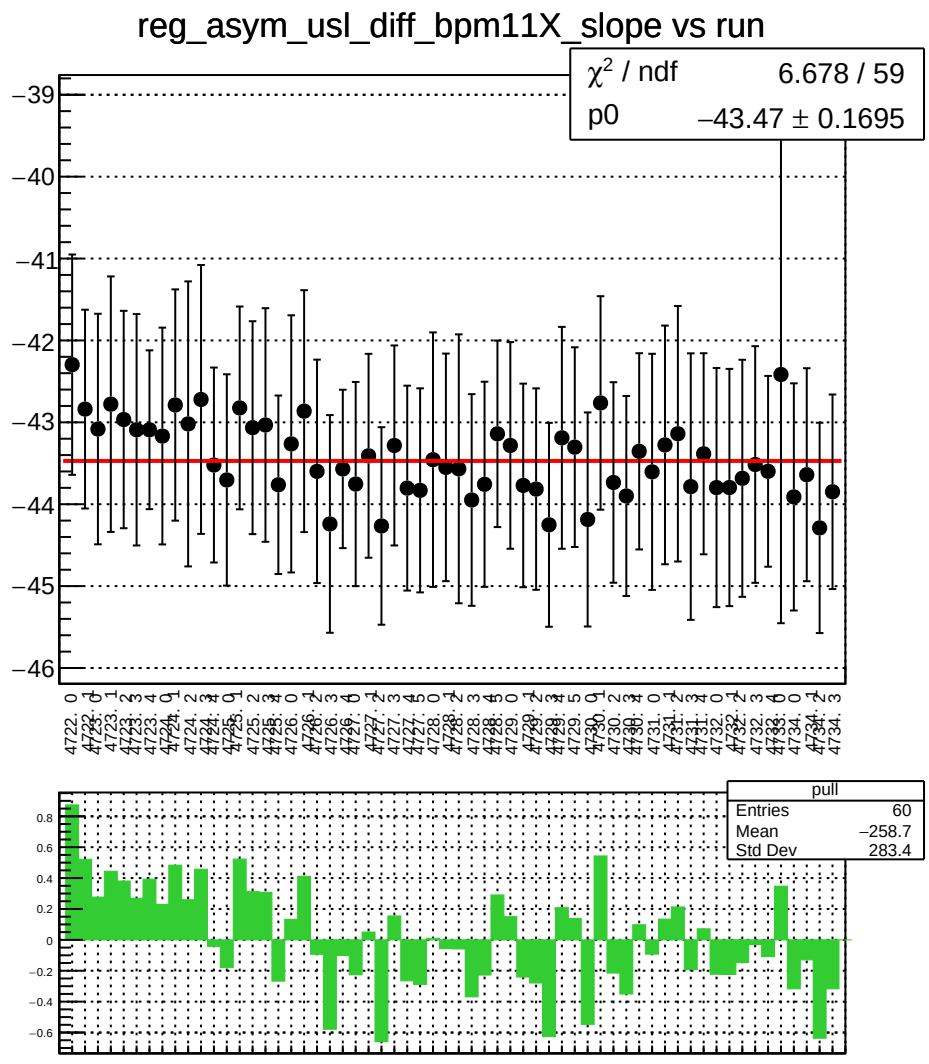

pull1D
Entries 60
Mean −0.0196
Std Dev 0.4891

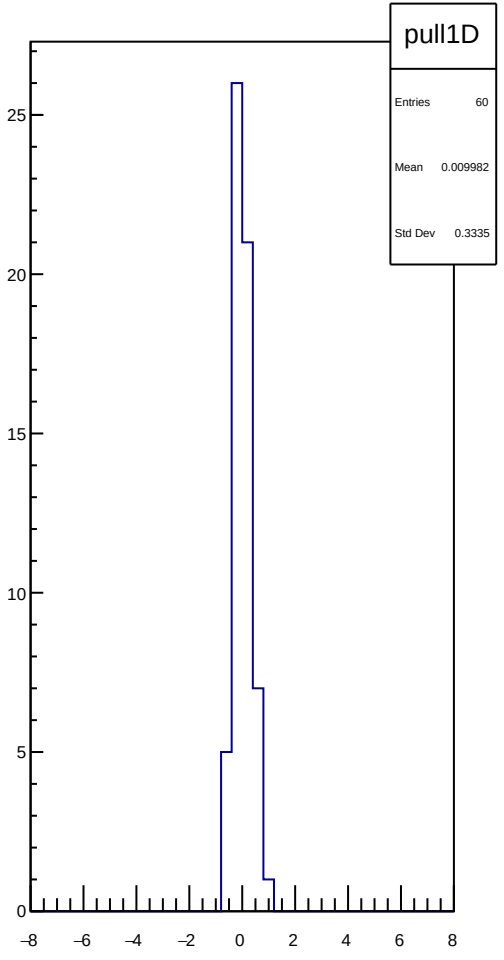

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 2.998 / 59
p0 −0.03066 ± 0.8668
pull
Entries 60
Mean 113.5
Std Dev 77.41
pull1D
Entries 60
Mean 0.01057
Std Dev 0.2233

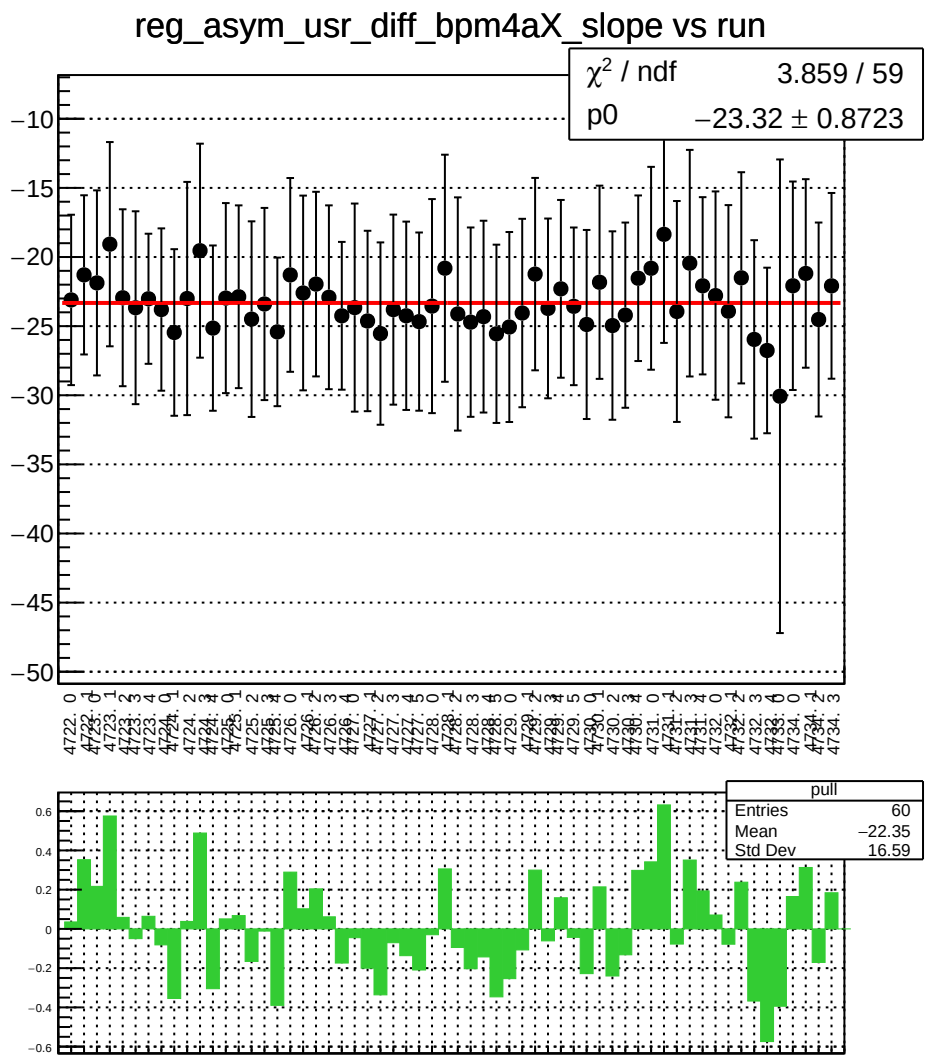

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 32.26 / 59
p0 −67.44 ± 0.1614
pull
Entries 60
Mean −767.3
Std Dev 750.9
pull1D
Entries 60
Mean 0.002255
Std Dev 0.7332

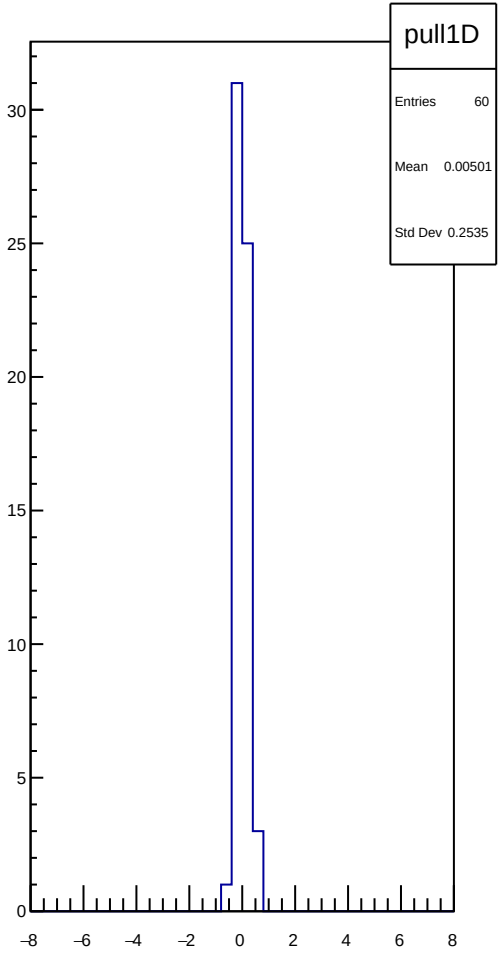

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 3.72 / 59
p0 0.8724 ± 1.138
pull
Entries 60
Mean 17.37
Std Dev 37.28

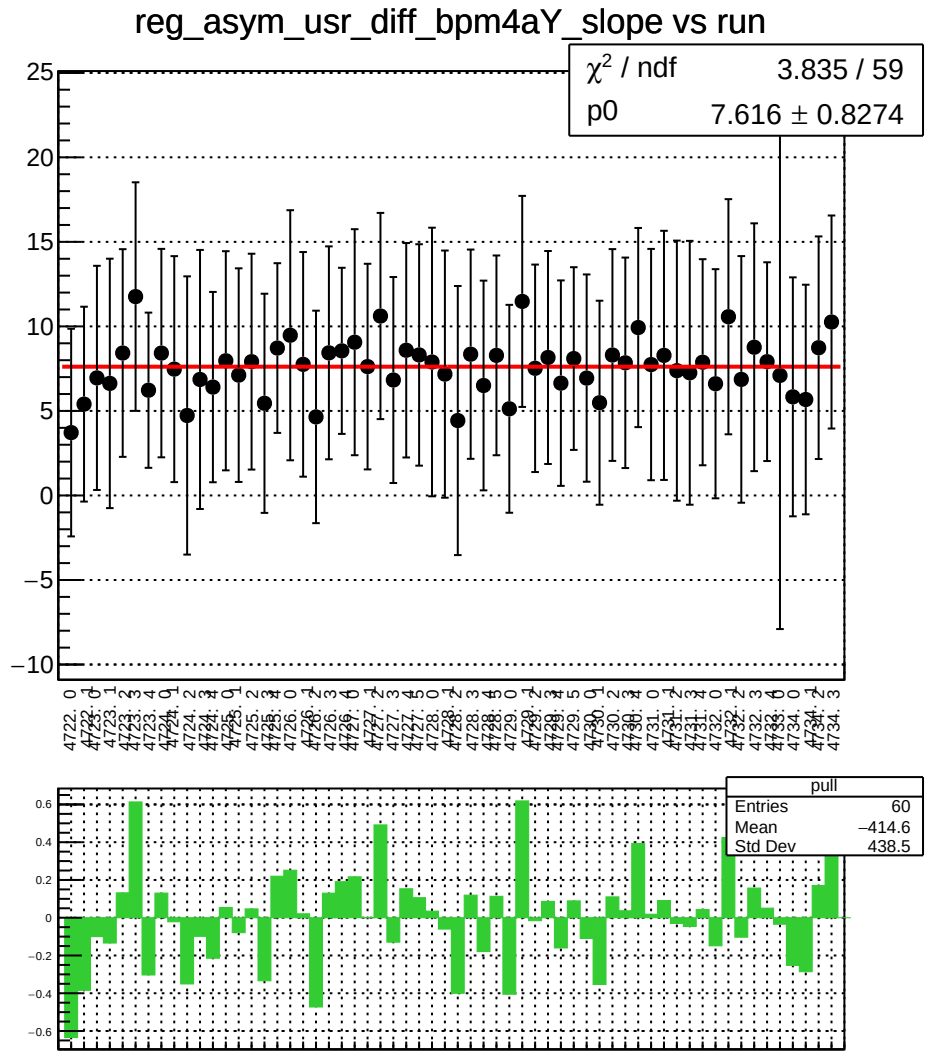

pull1D
Entries 60
Mean −0.0104
Std Dev 0.2488

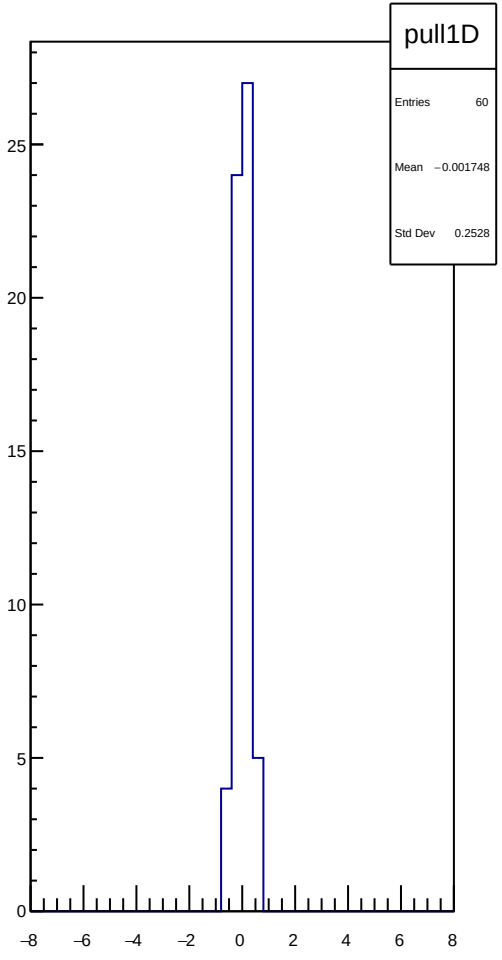

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 6.678 / 59
p0 −43.47 ± 0.1695
pull
Entries 60
Mean −258.7
Std Dev 283.4

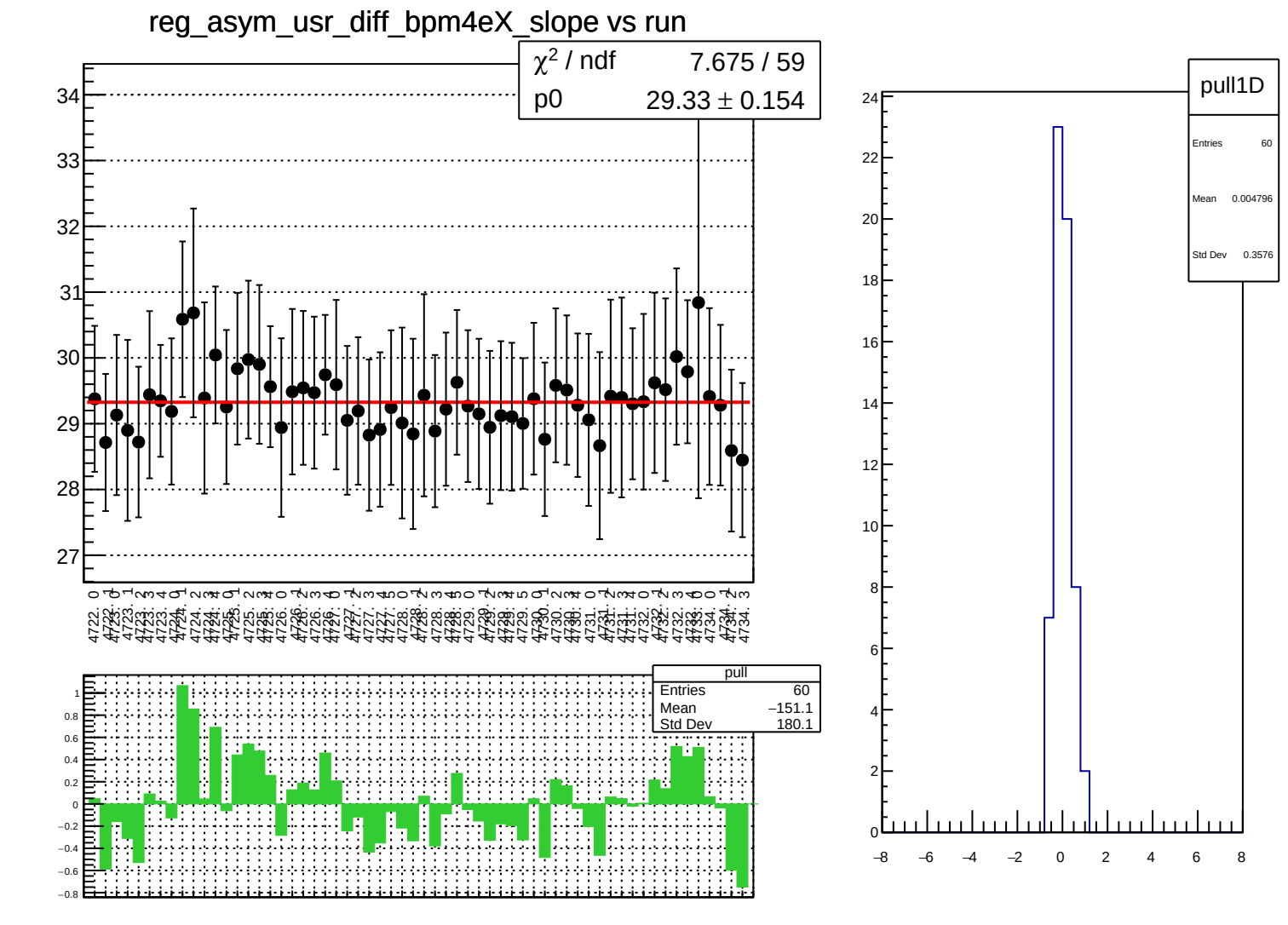

pull1D
Entries 60
Mean 0.009982
Std Dev 0.3335

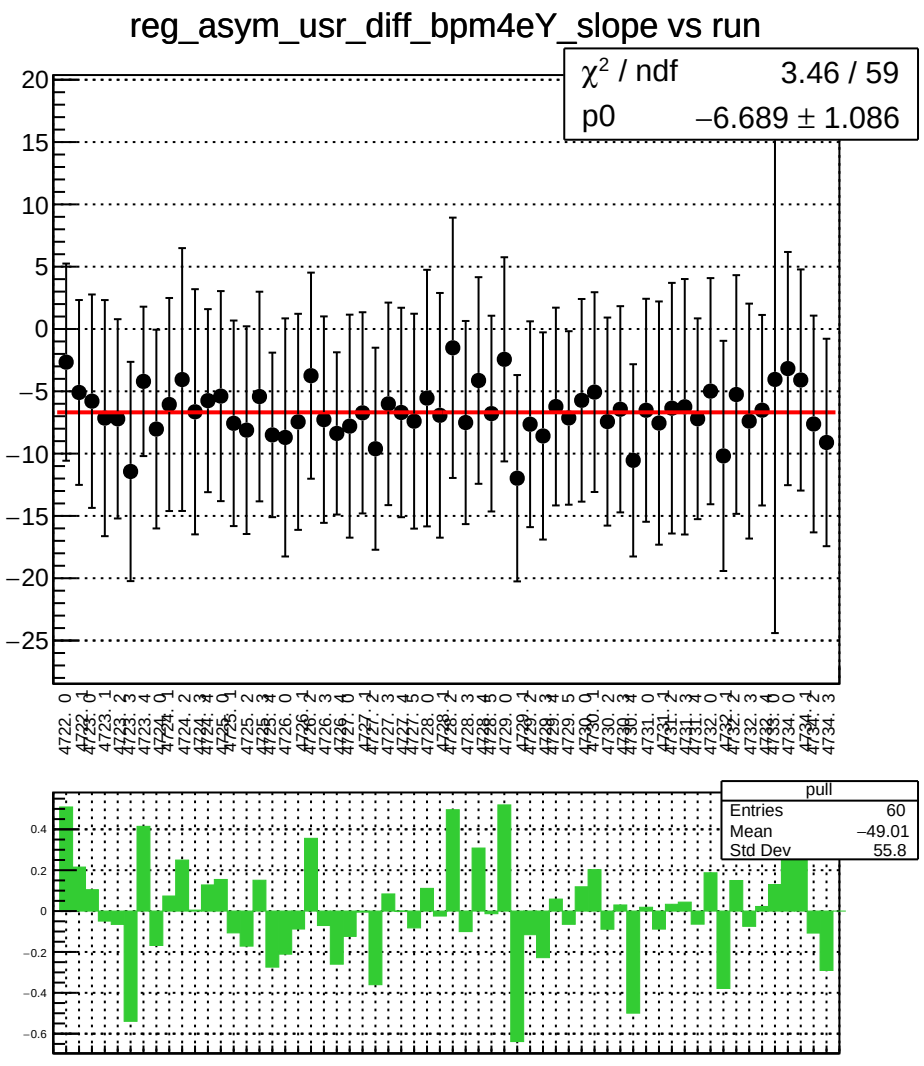

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 3.859 / 59
p0 −23.32 ± 0.8723
pull
Entries 60
Mean −22.35
Std Dev 16.59

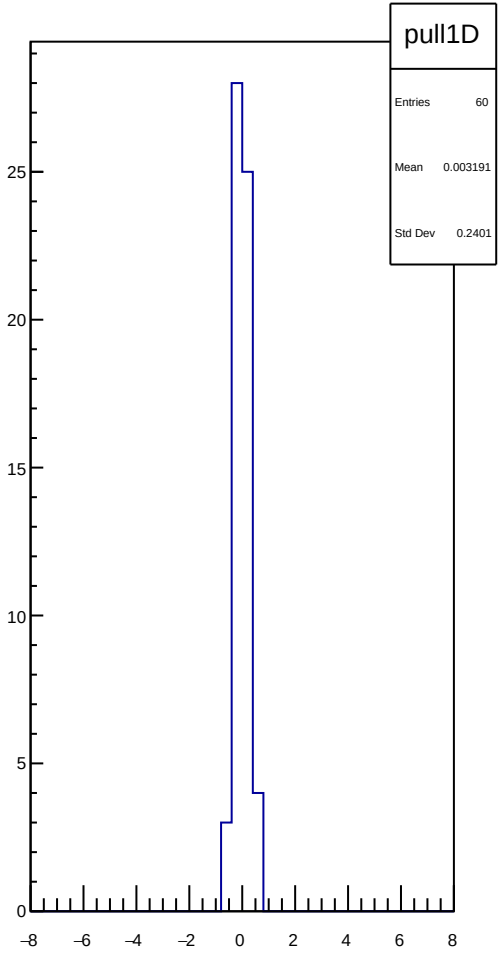

pull1D
Entries 60
Mean 0.00501
Std Dev 0.2535

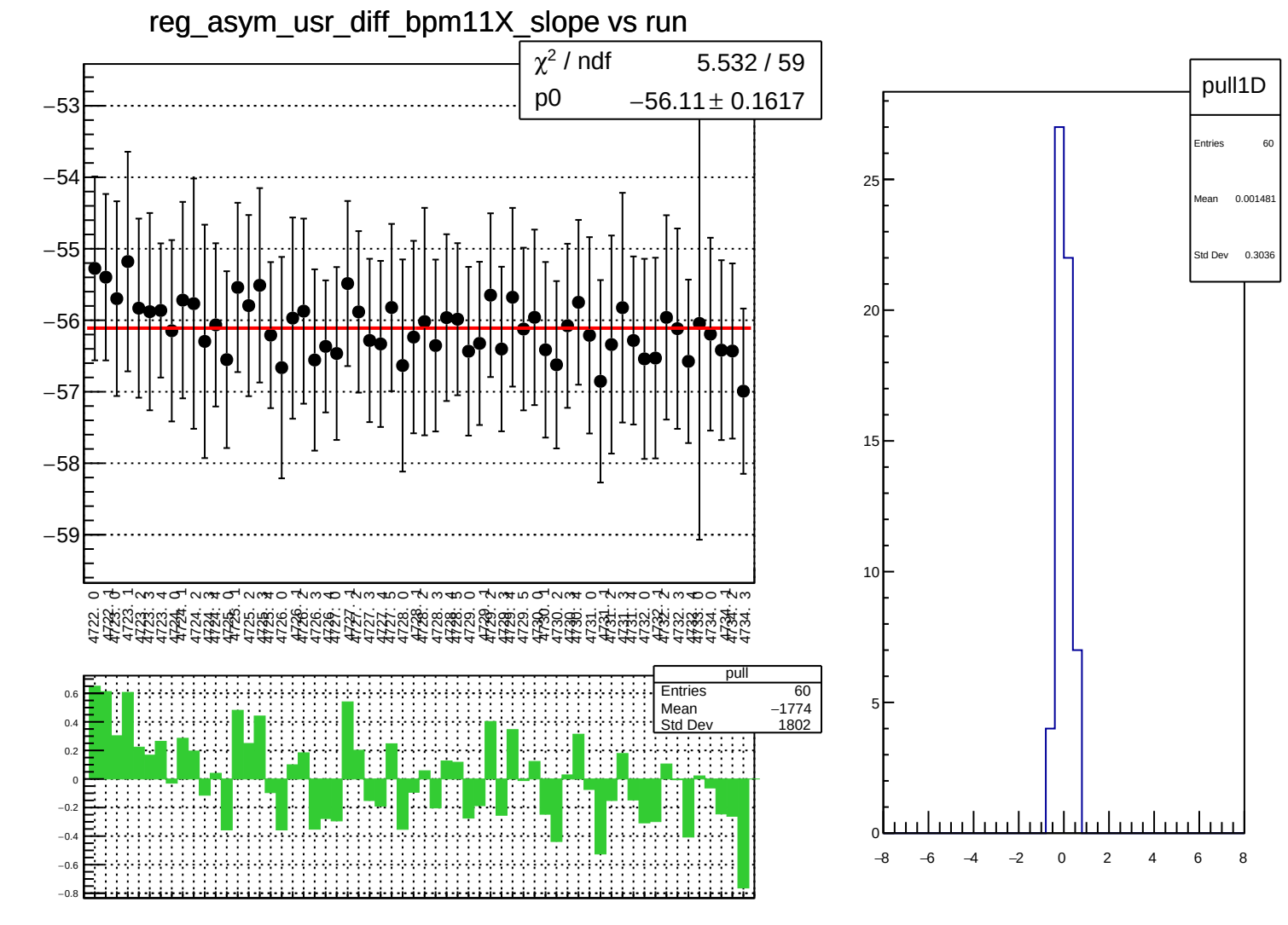

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 3.835 / 59
p0 7.616 ± 0.8274
pull
Entries 60
Mean −414.6
Std Dev 438.5

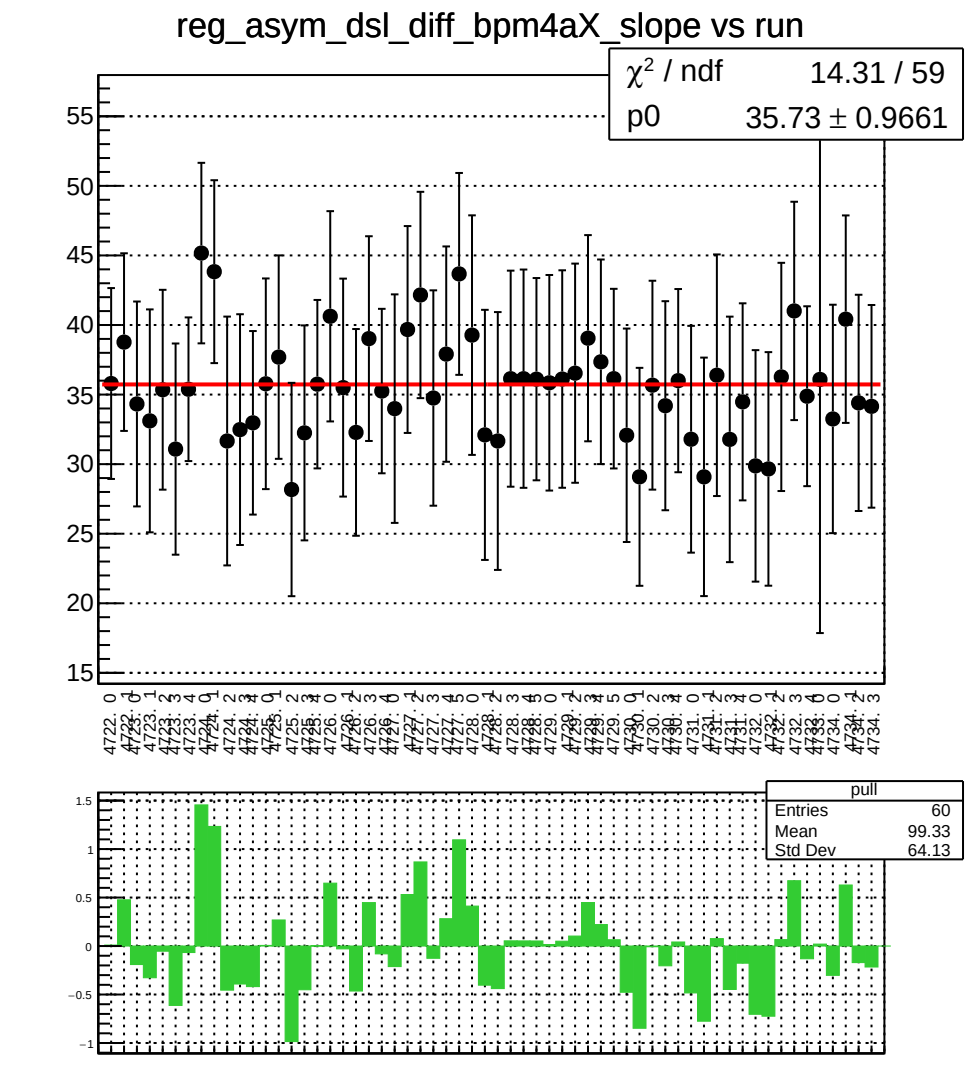

pull1D
Entries 60
Mean −0.001748
Std Dev 0.2528

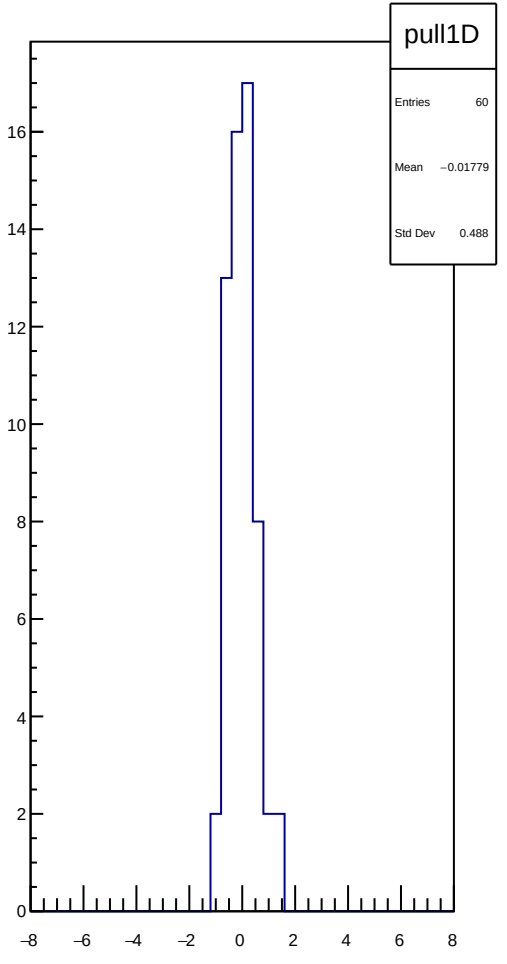

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 7.675 / 59
p0 29.33 ± 0.154
pull
Entries 60
Mean −151.1
Std Dev 180.1
pull1D
Entries 60
Mean 0.004796
Std Dev 0.3576

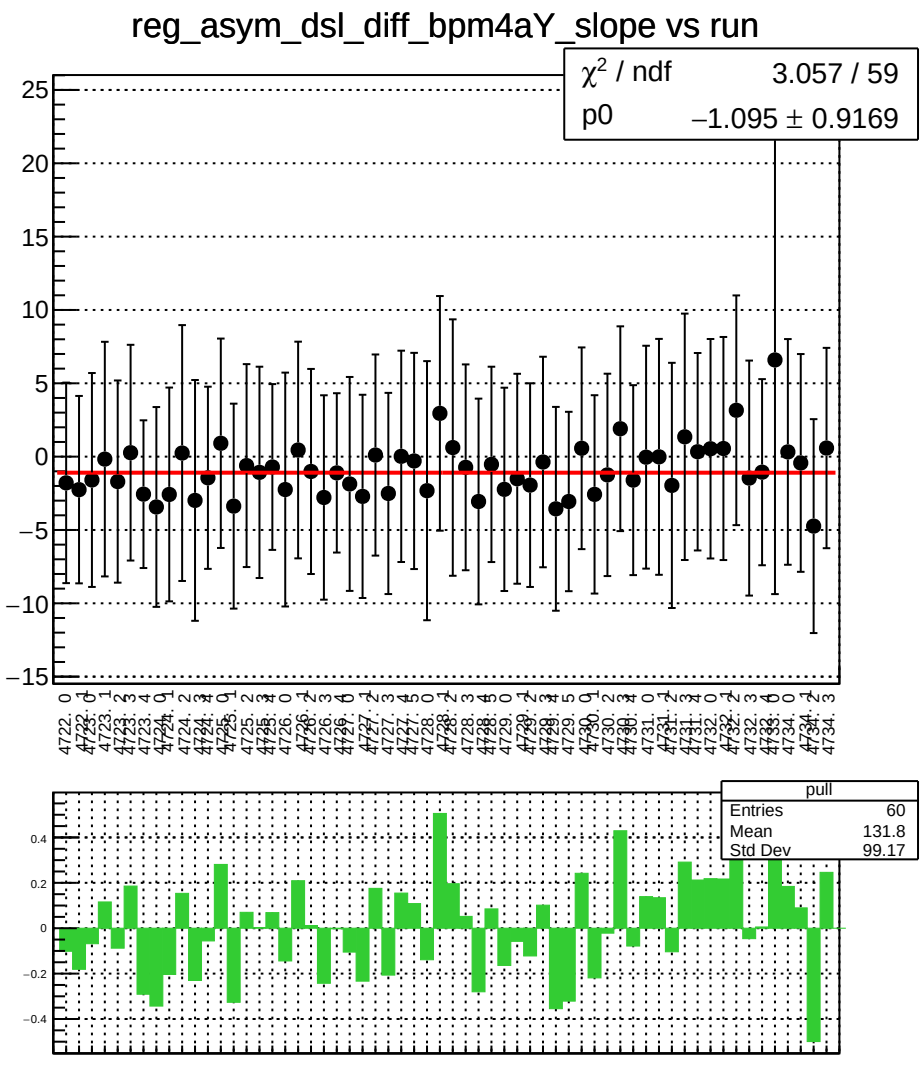

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 3.46 / 59
p0 −6.689 ± 1.086
pull
Entries 60
Mean −49.01
Std Dev 55.8

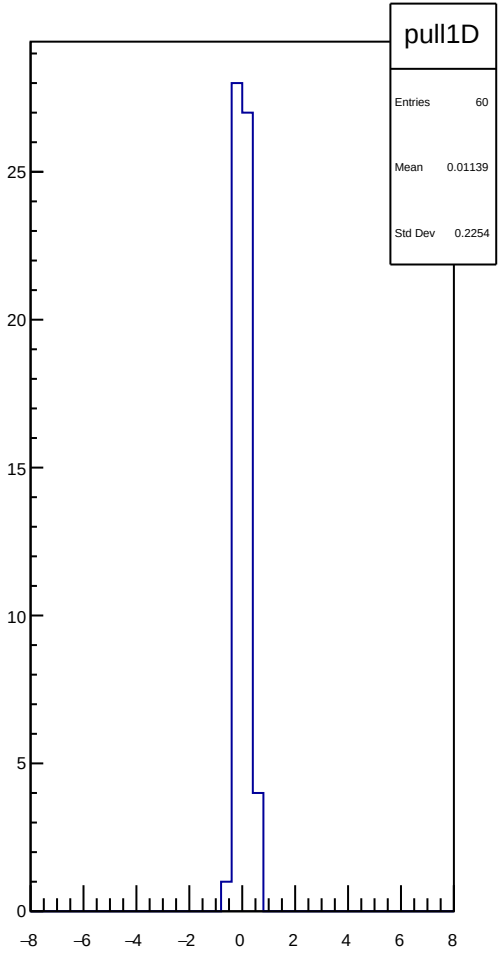

pull1D
Entries 60
Mean 0.003191
Std Dev 0.2401

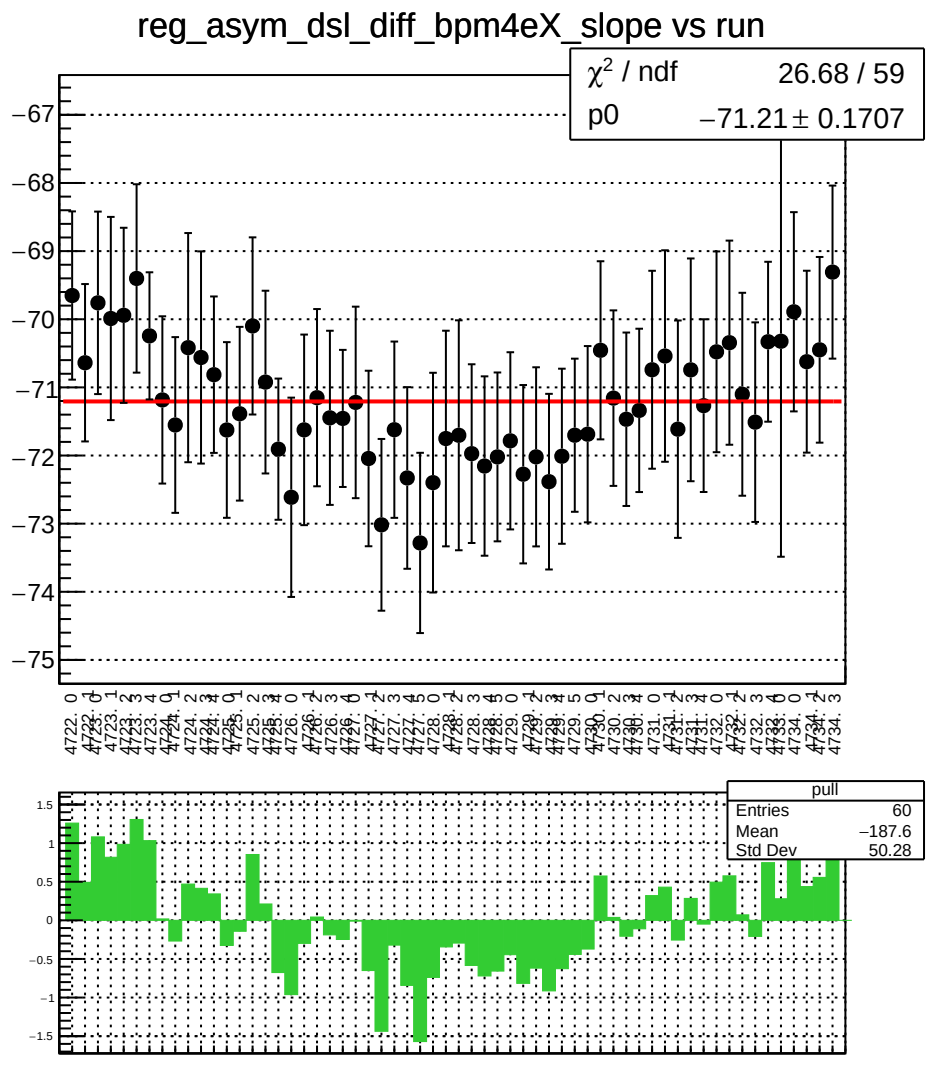

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 5.532 / 59
p0 −56.11 ± 0.1617
pull
Entries 60
Mean −1774
Std Dev 1802
pull1D
Entries 60
Mean 0.001481
Std Dev 0.3036

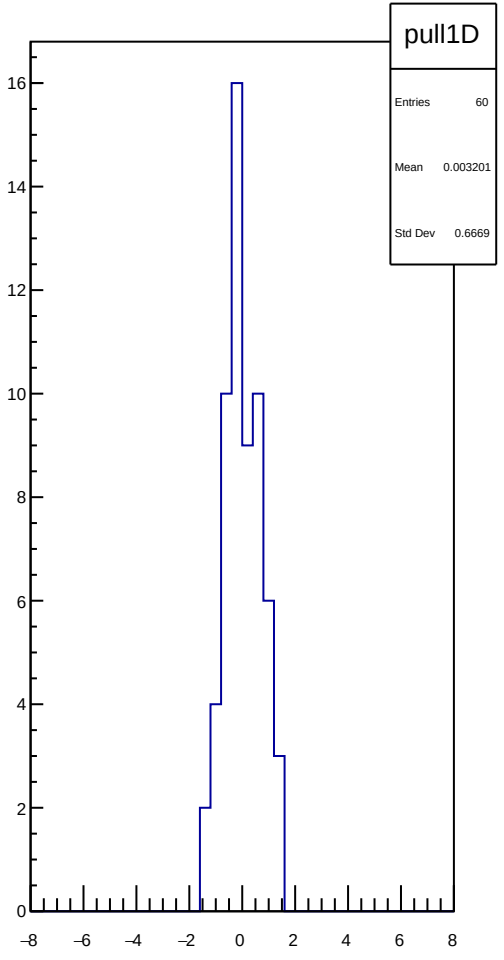

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 14.31 / 59
p0 35.73 ± 0.9661
pull
Entries 60
Mean 99.33
Std Dev 64.13

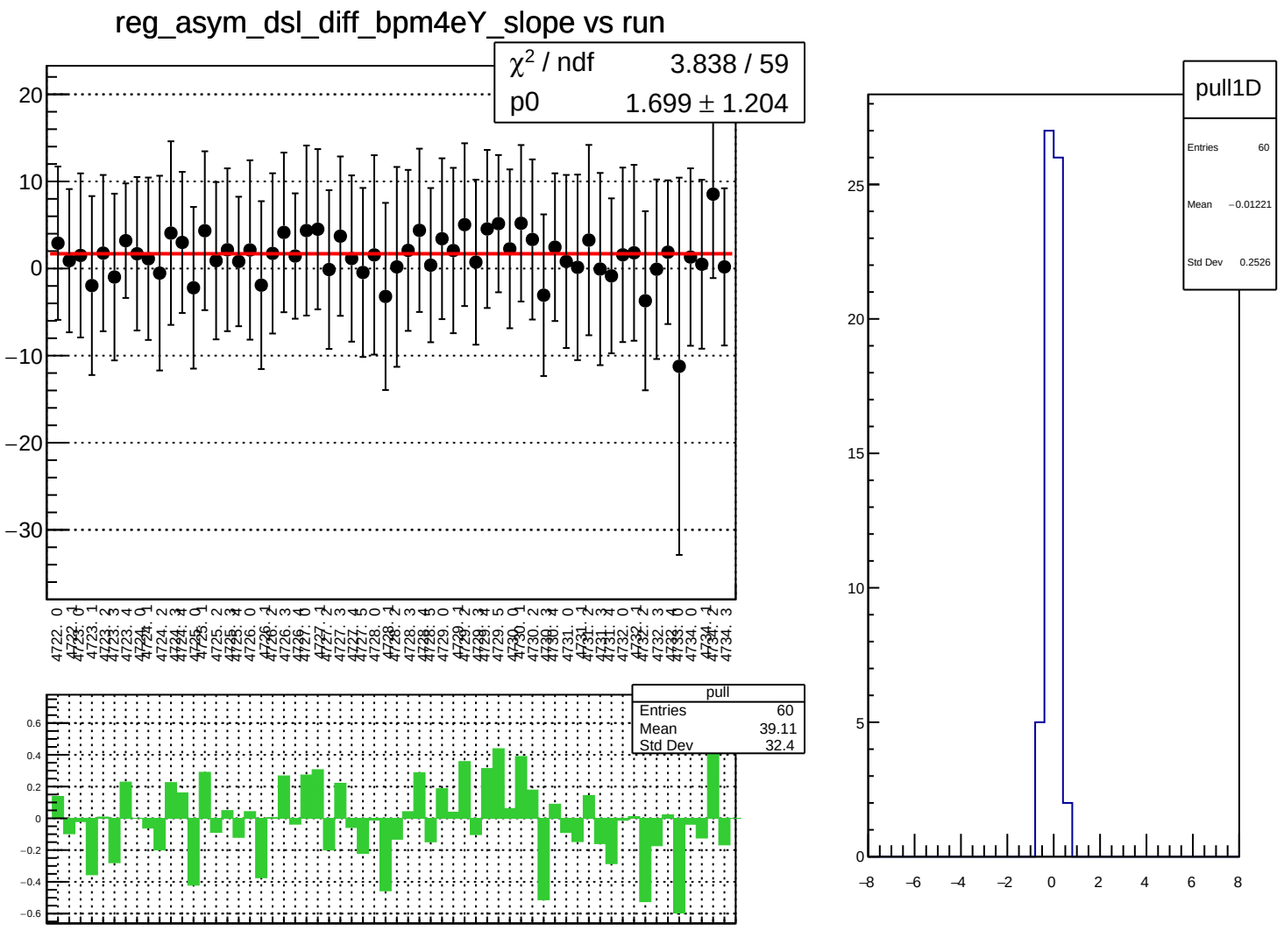

pull1D
Entries 60
Mean −0.01779
Std Dev 0.488

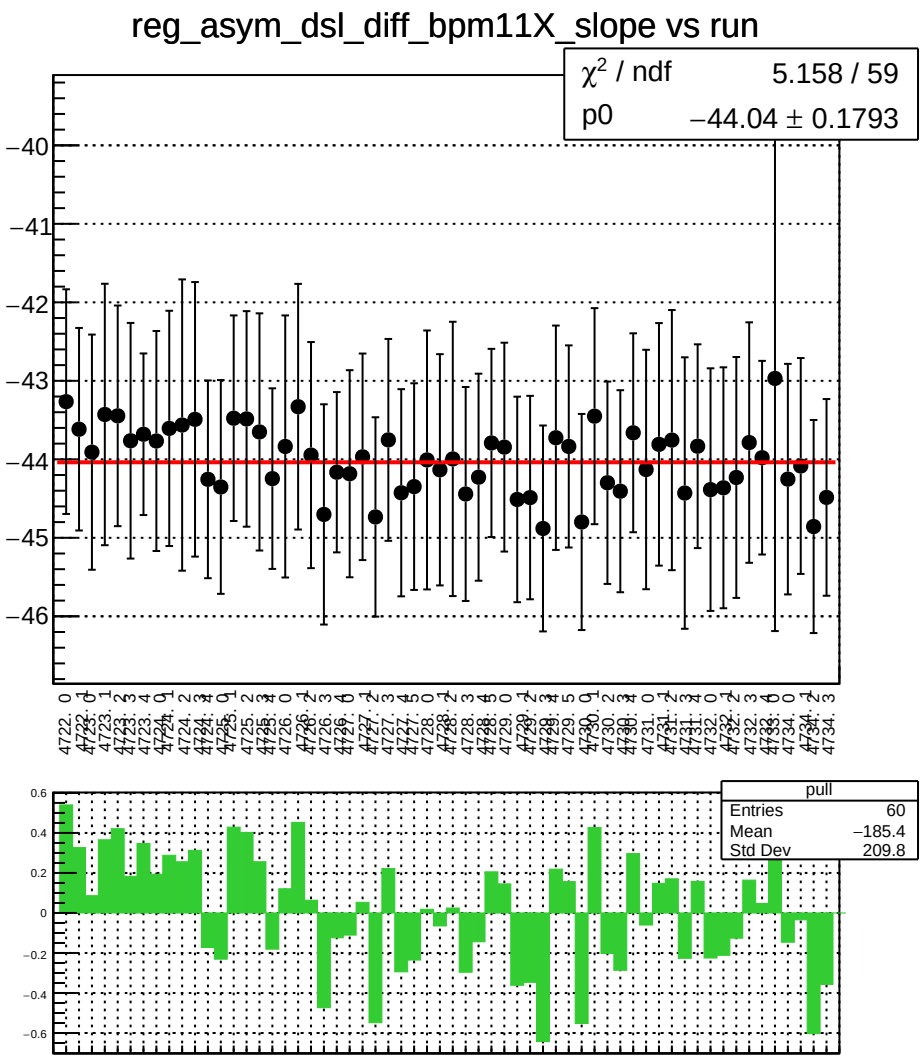

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 3.057 / 59
p0 −1.095 ± 0.9169
pull
Entries 60
Mean 131.8
Std Dev 99.17

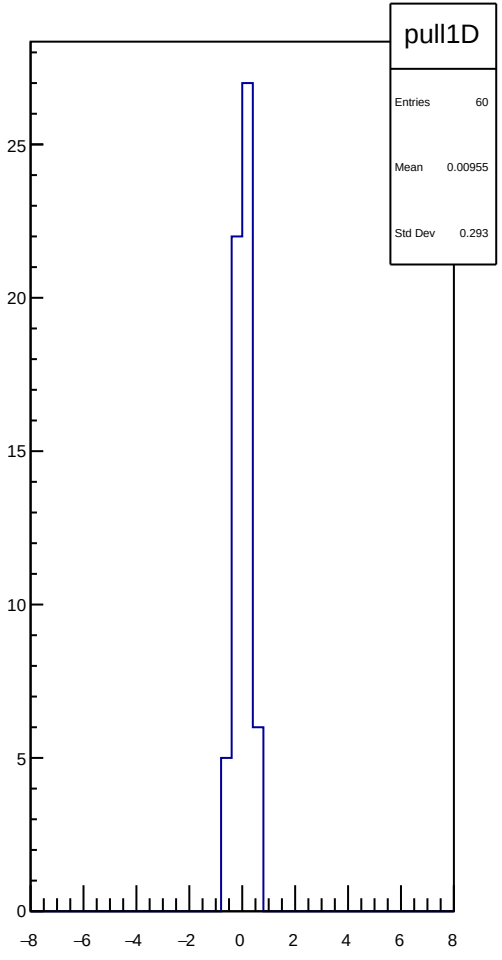

pull1D
Entries 60
Mean 0.01139
Std Dev 0.2254

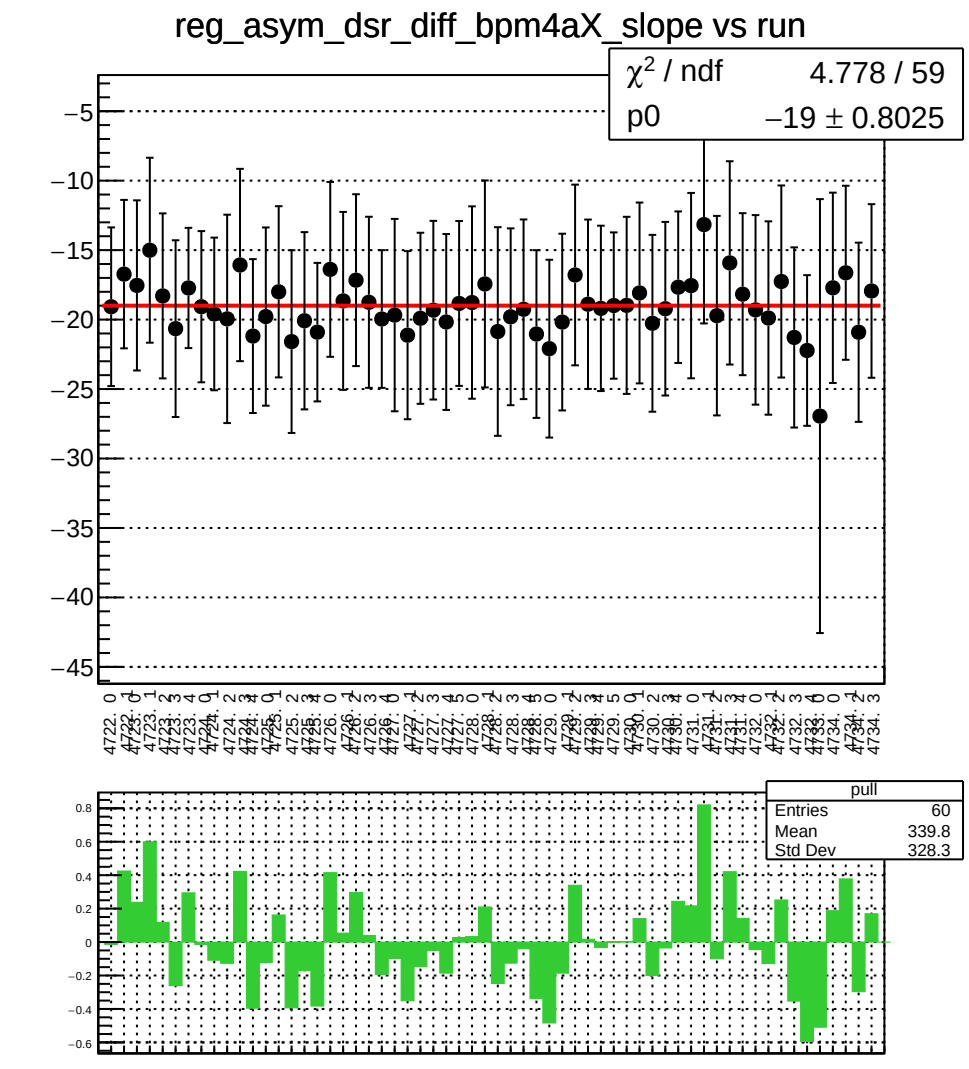

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 26.68 / 59
p0 −71.21 ± 0.1707
pull
Entries 60
Mean −187.6
Std Dev 50.28

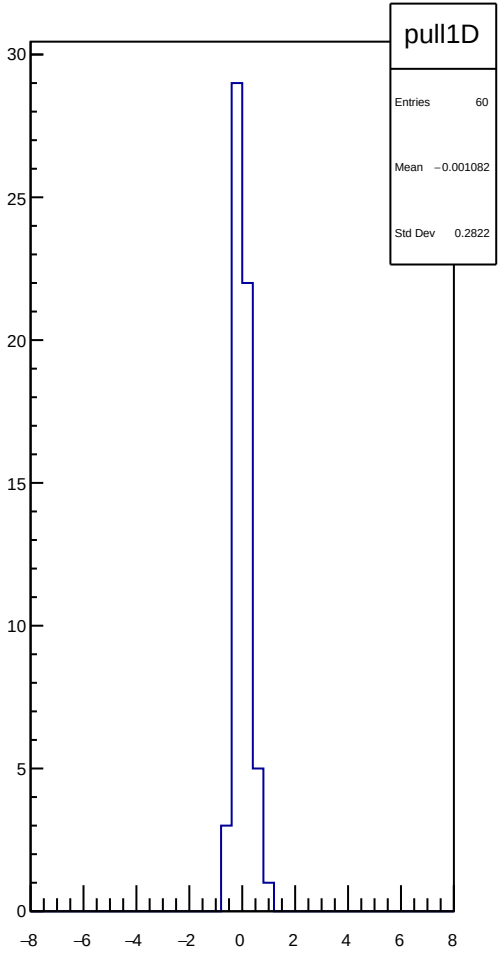

pull1D
Entries 60
Mean 0.003201
Std Dev 0.6669

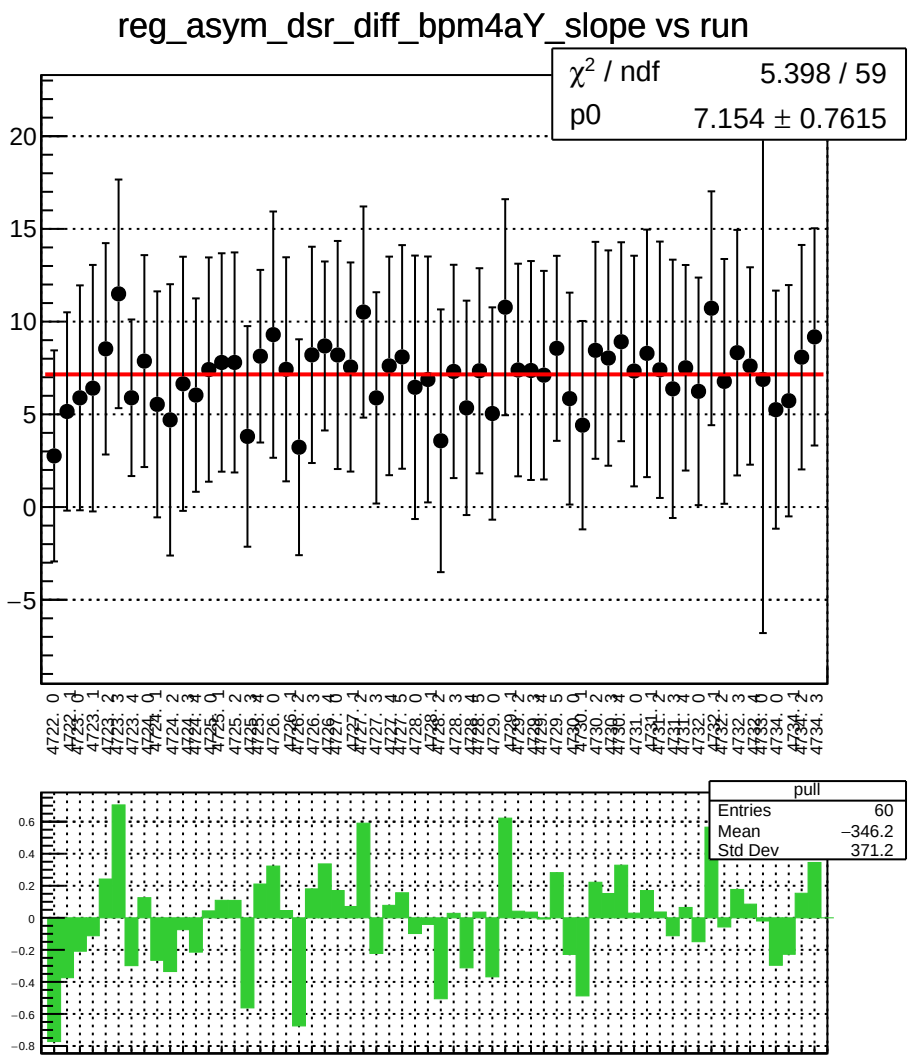

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 3.838 / 59
p0 1.699 ± 1.204
pull
Entries 60
Mean 39.11
Std Dev 32.4
pull1D
Entries 60
Mean −0.01221
Std Dev 0.2526

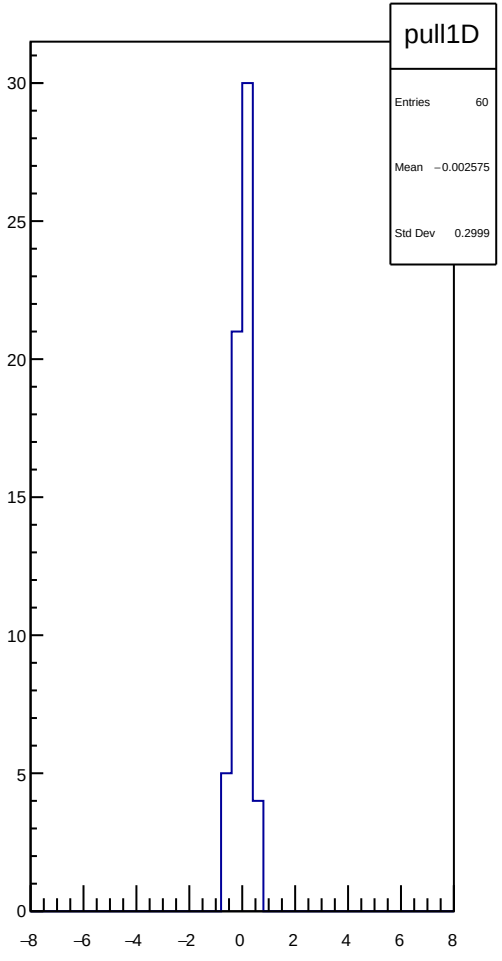

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 5.158 / 59
p0 −44.04 ± 0.1793
pull
Entries 60
Mean −185.4
Std Dev 209.8

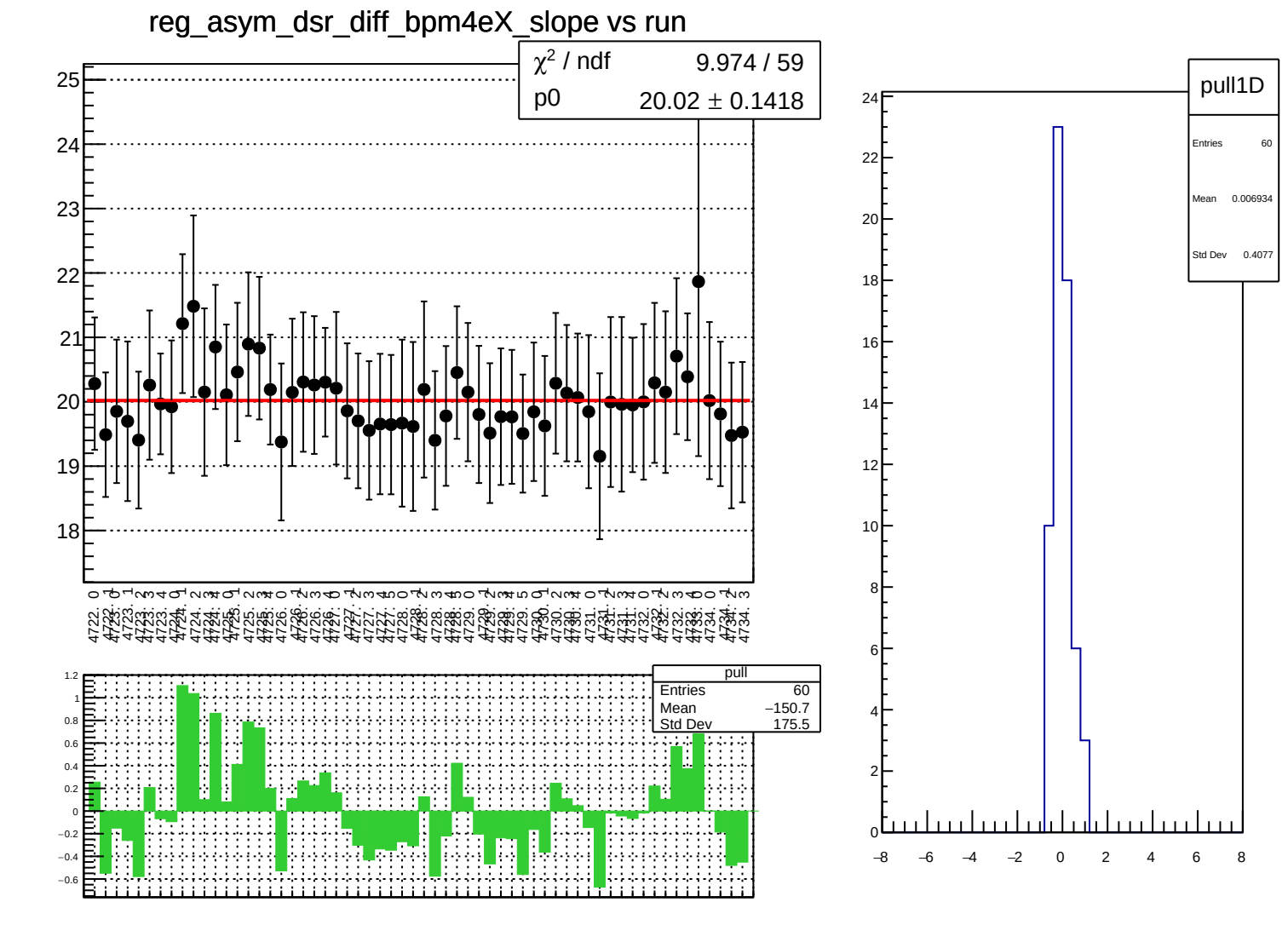

pull1D
Entries 60
Mean 0.00955
Std Dev 0.293

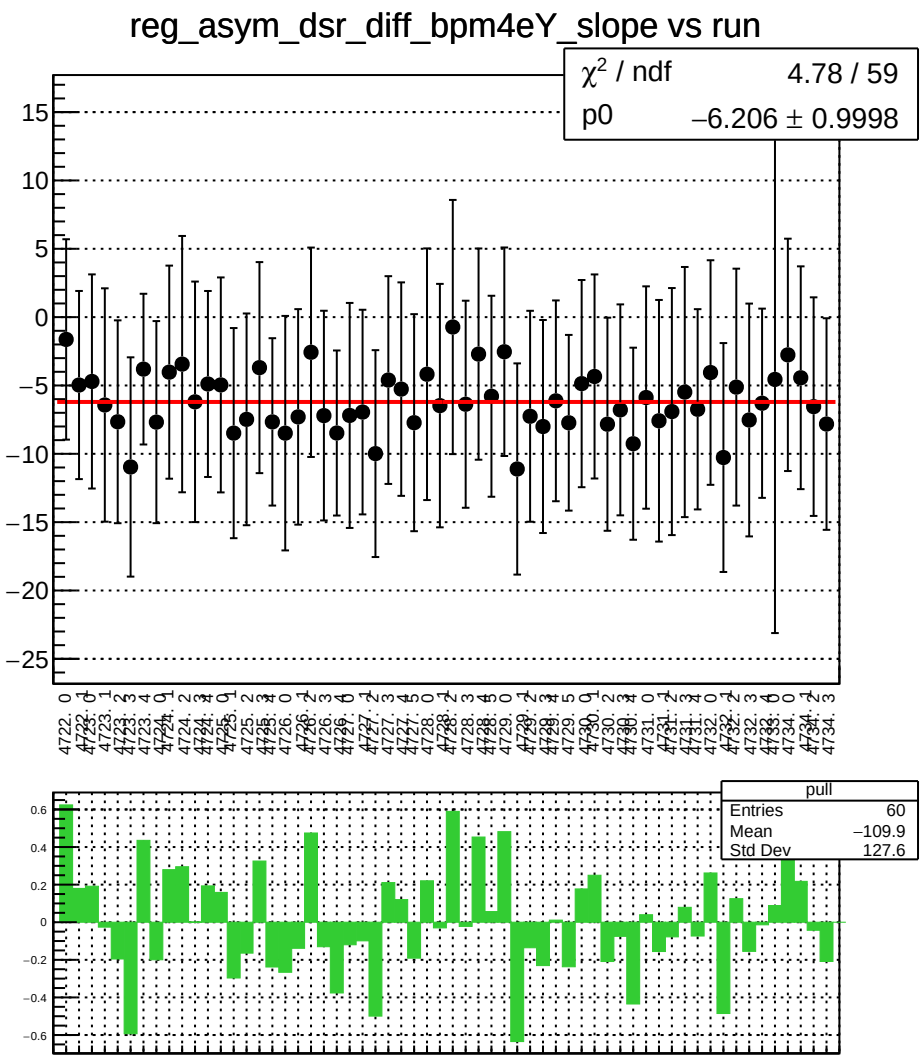

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 4.778 / 59
p0 −19 ± 0.8025
pull
Entries 60
Mean 339.8
Std Dev 328.3

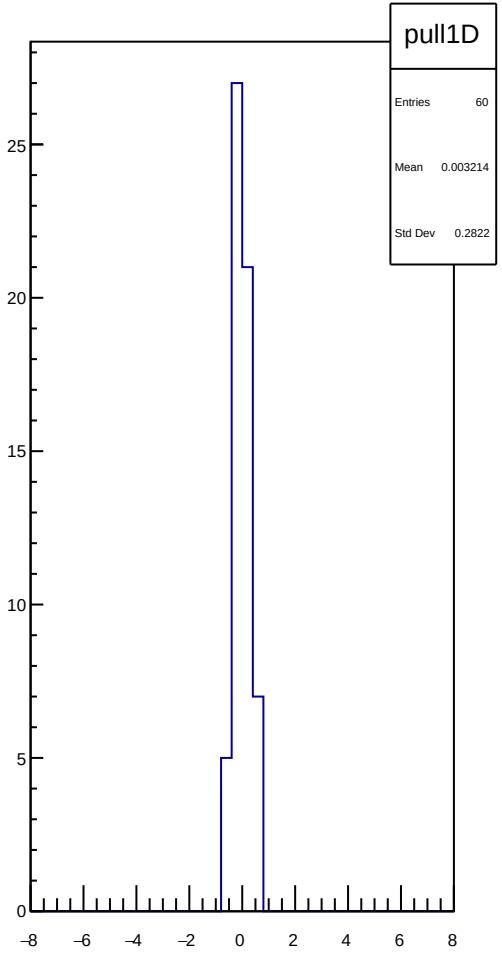

pull1D
Entries 60
Mean −0.001082
Std Dev 0.2822

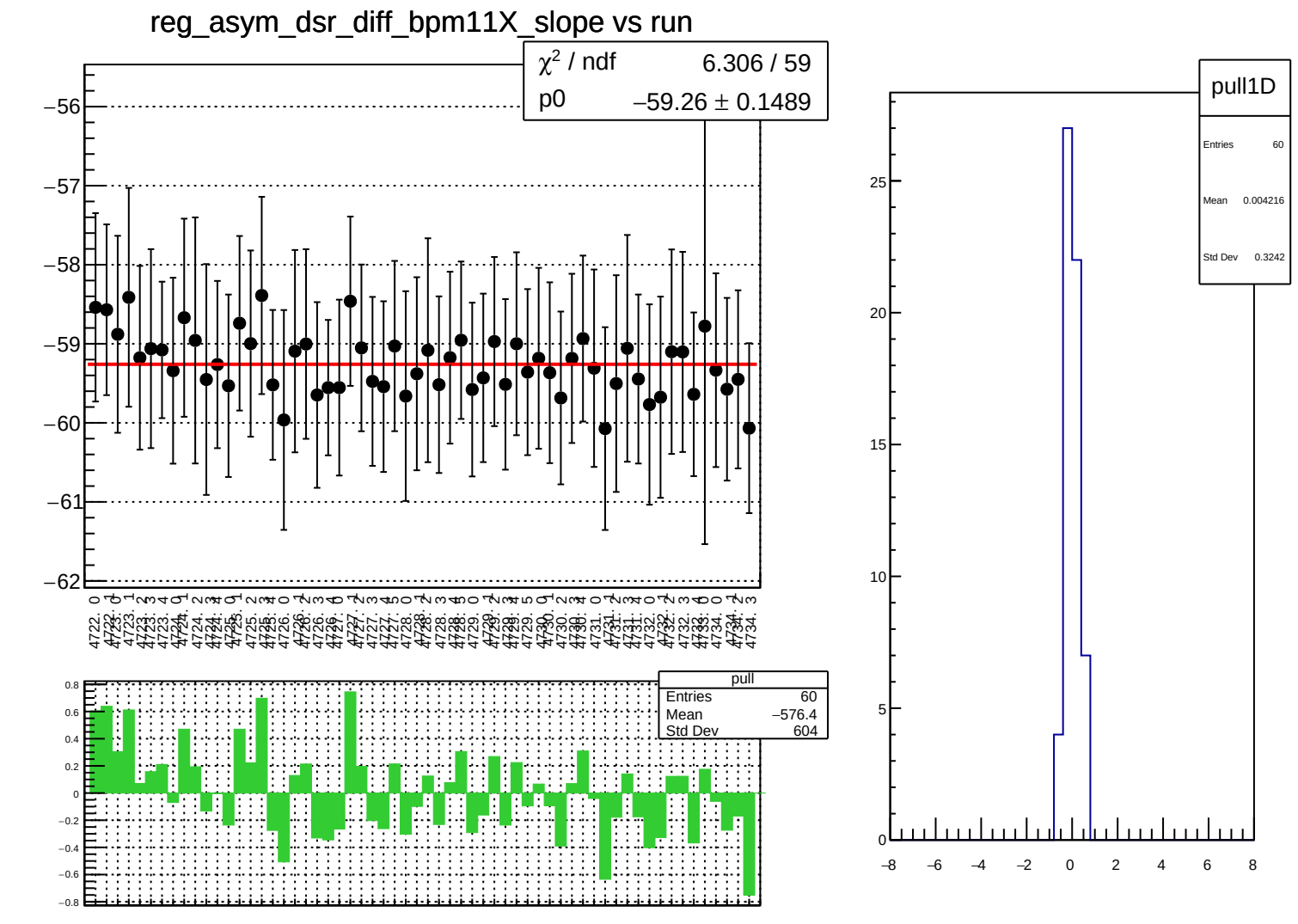

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 5.398 / 59
p0 7.154 ± 0.7615
pull
Entries 60
Mean −346.2
Std Dev 371.2

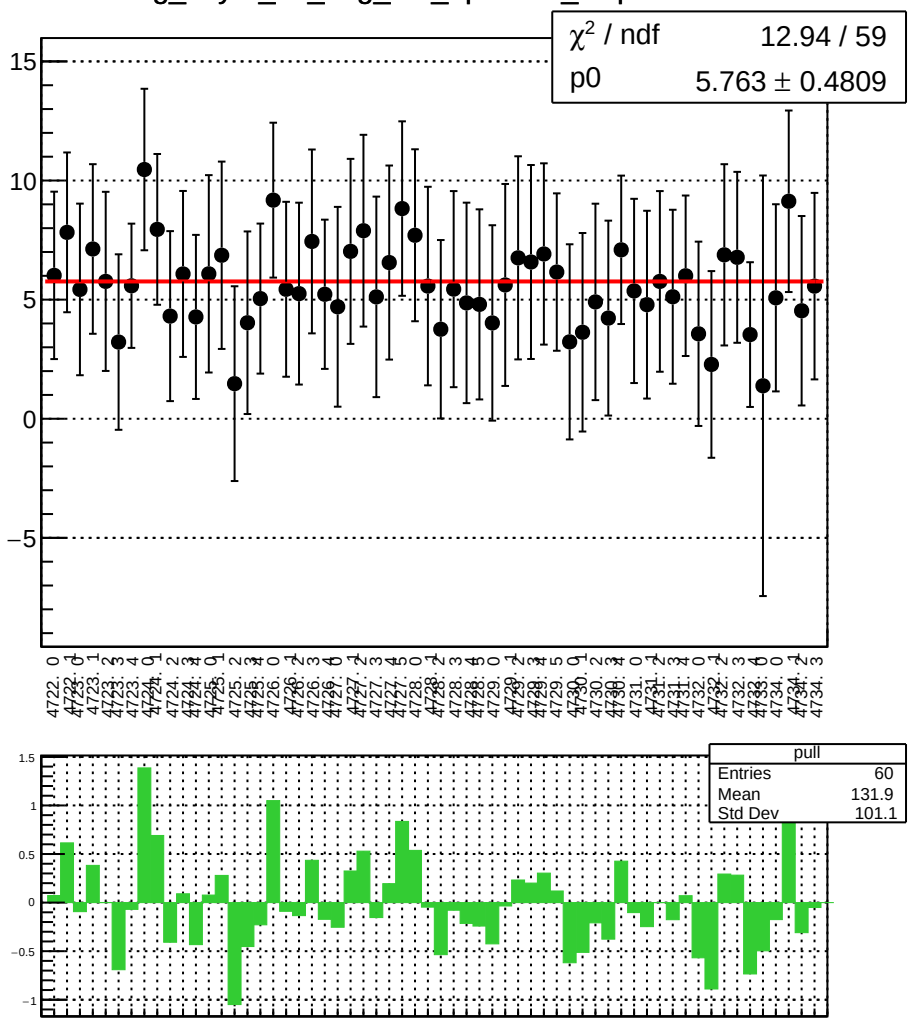

pull1D
Entries 60
Mean −0.002575
Std Dev 0.2999

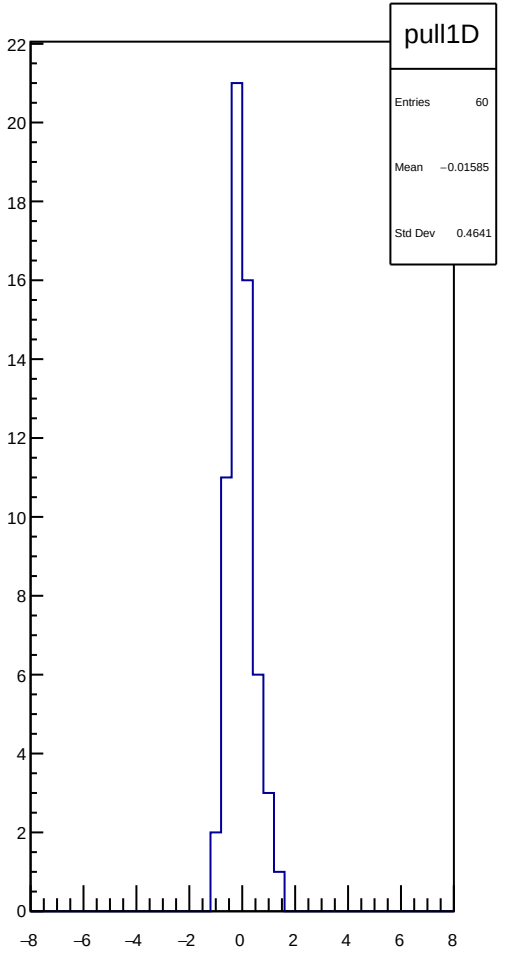

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 9.974 / 59
p0 20.02 ± 0.1418
pull
Entries 60
Mean −150.7
Std Dev 175.5
pull1D
Entries 60
Mean 0.006934
Std Dev 0.4077

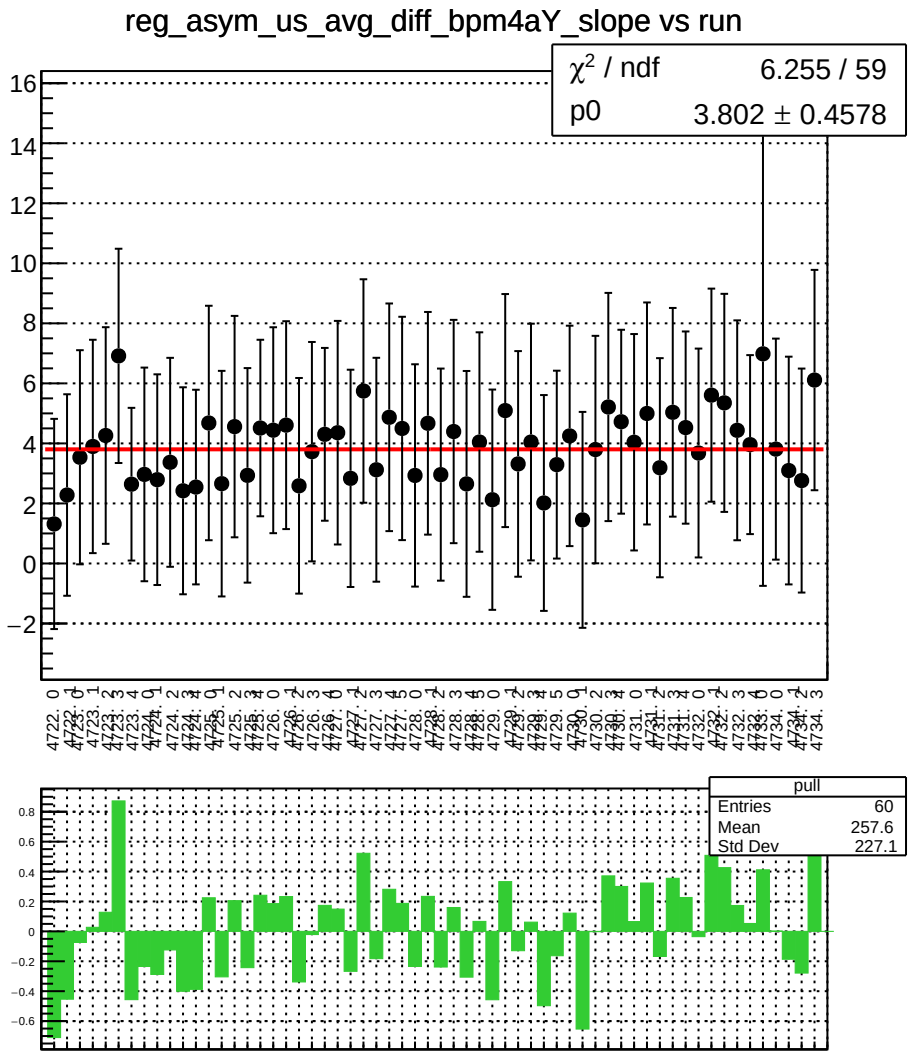

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 4.78 / 59
p0 −6.206 ± 0.9998
pull
Entries 60
Mean −109.9
Std Dev 127.6

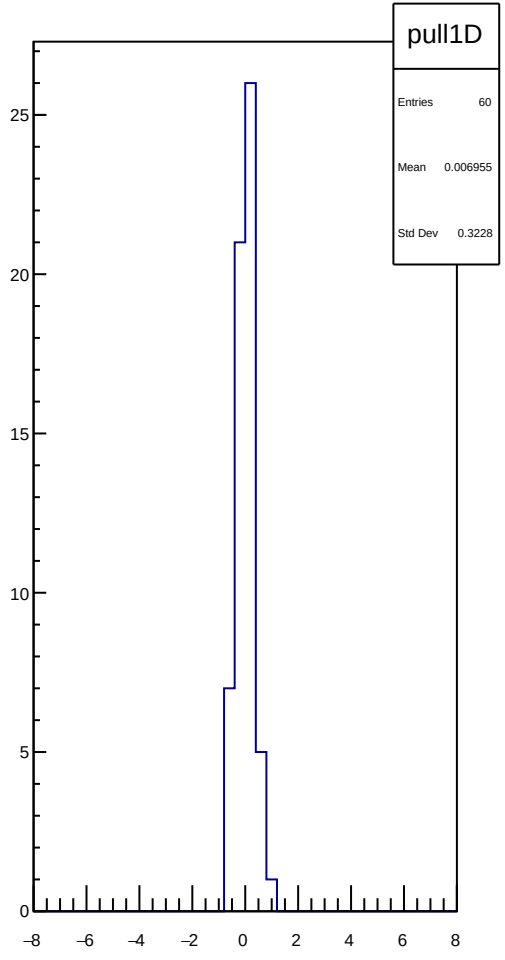

pull1D
Entries 60
Mean 0.003214
Std Dev 0.2822

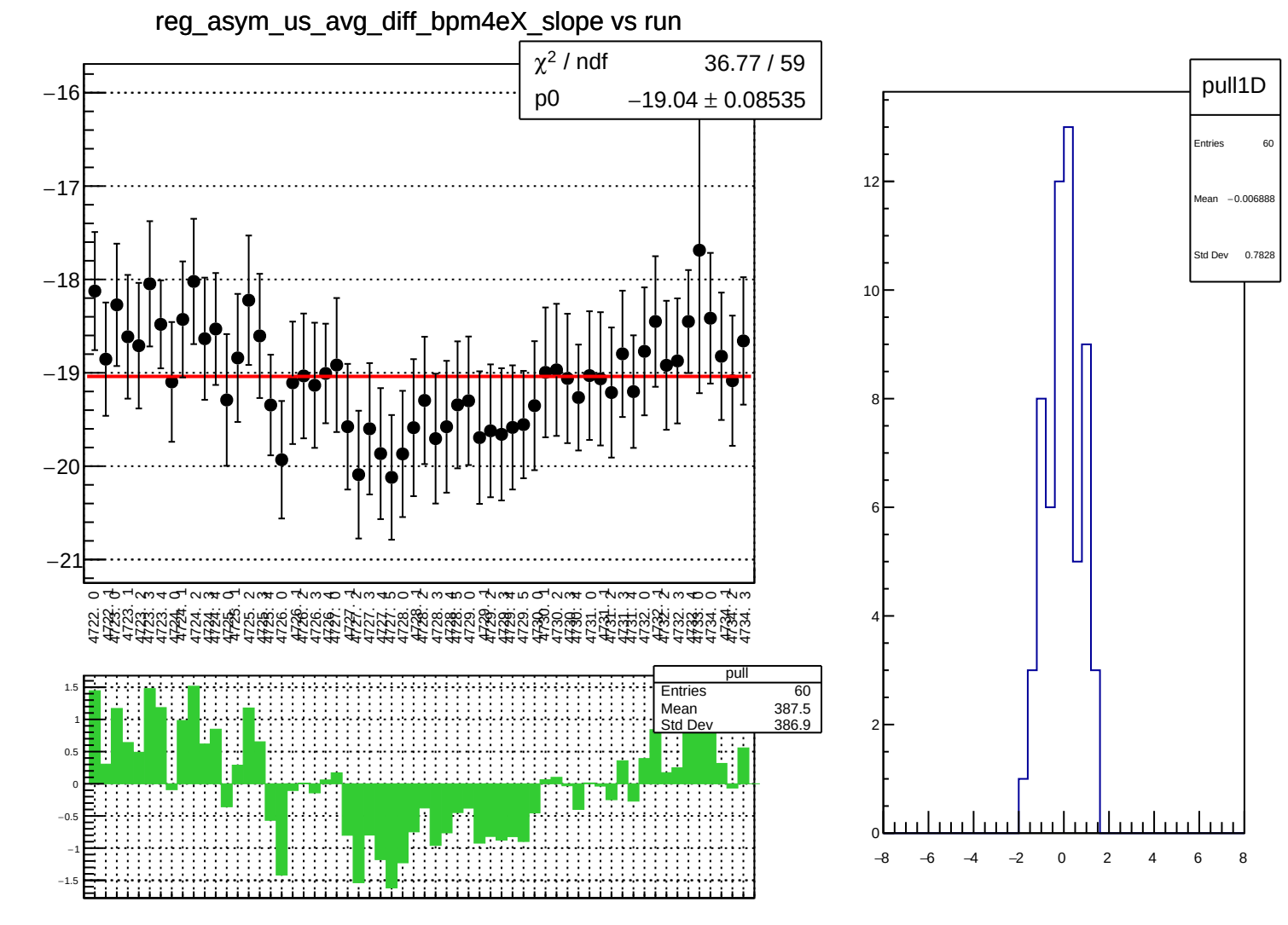

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 6.306 / 59
p0 −59.26 ± 0.1489
pull
Entries 60
Mean −576.4
Std Dev 604
pull1D
Entries 60
Mean 0.004216
Std Dev 0.3242

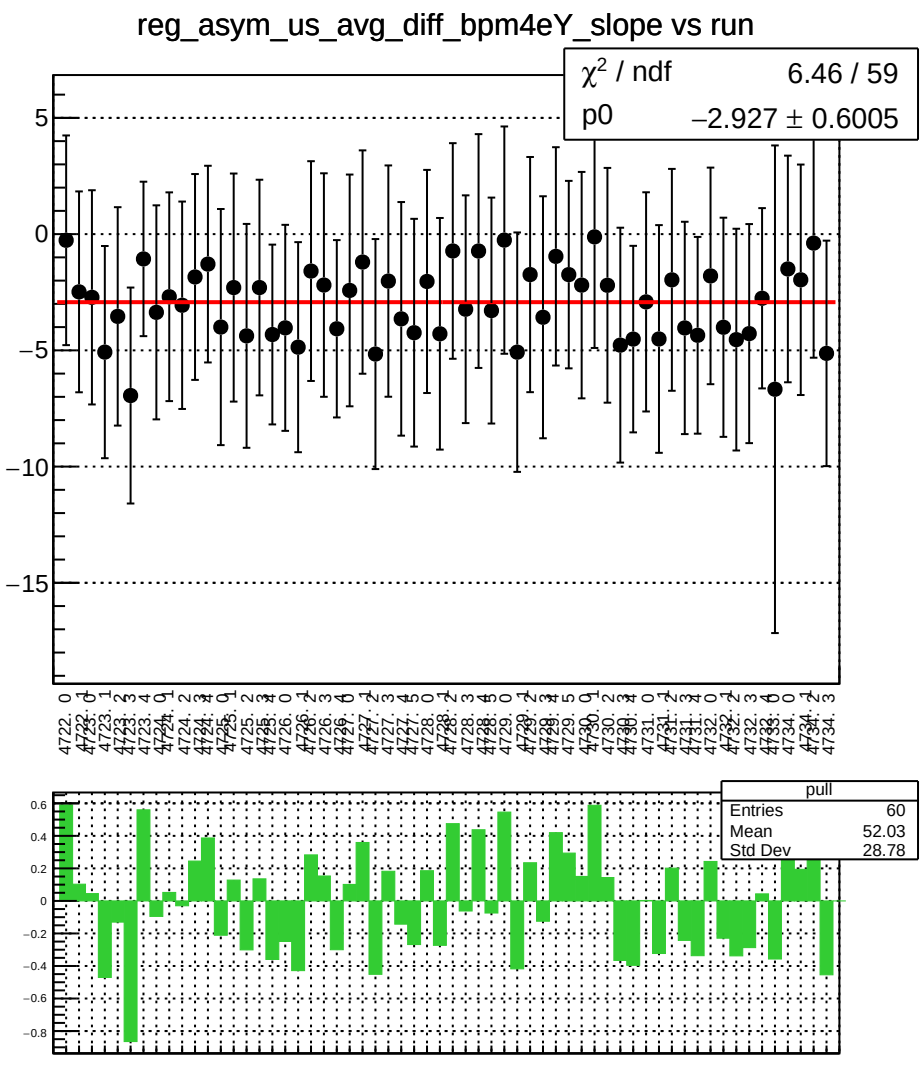

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.94 / 59
p0 5.763 ± 0.4809
pull
Entries 60
Mean 131.9
Std Dev 101.1

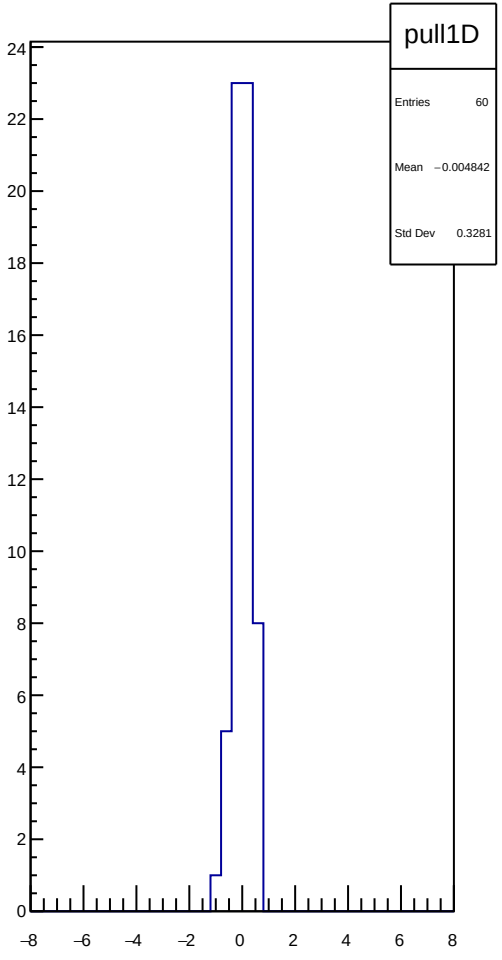

pull1D
Entries 60
Mean −0.01585
Std Dev 0.4641

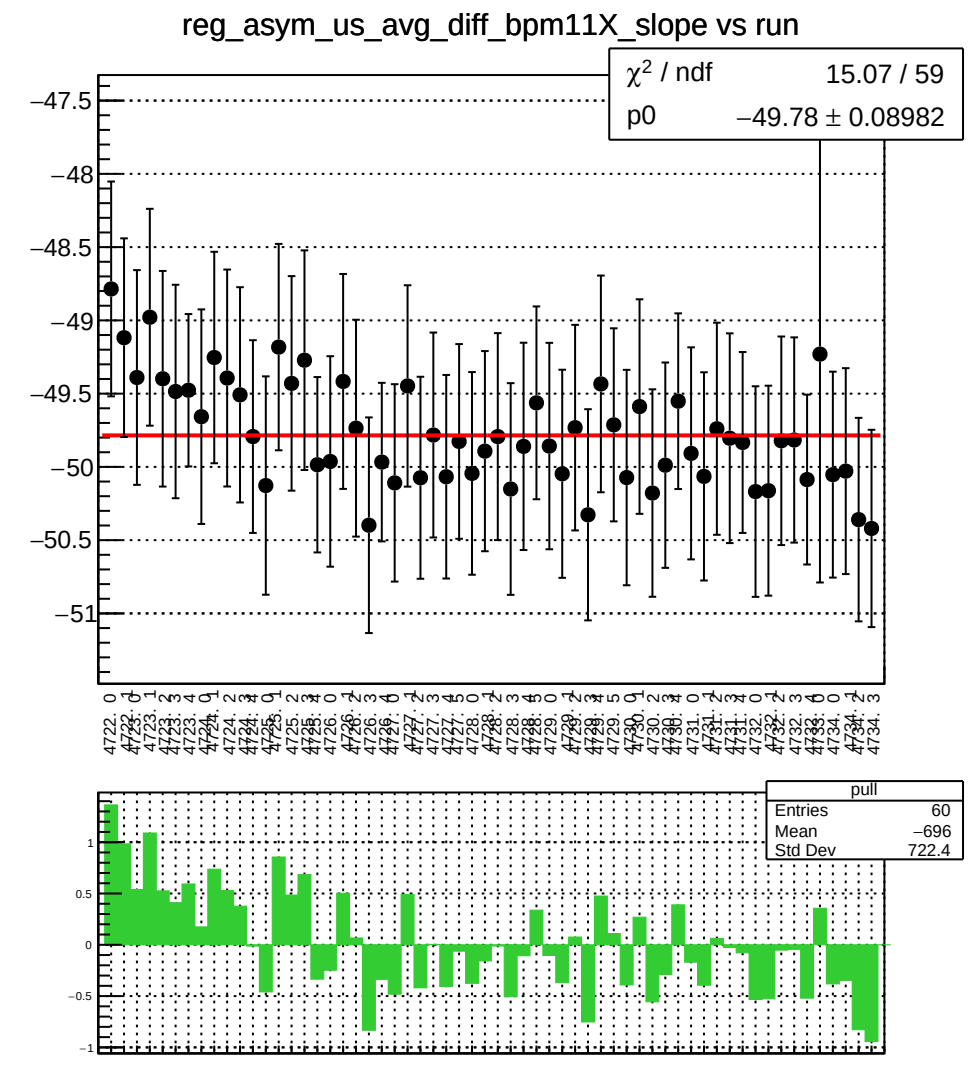

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.255 / 59
p0 3.802 ± 0.4578
pull
Entries 60
Mean 257.6
Std Dev 227.1

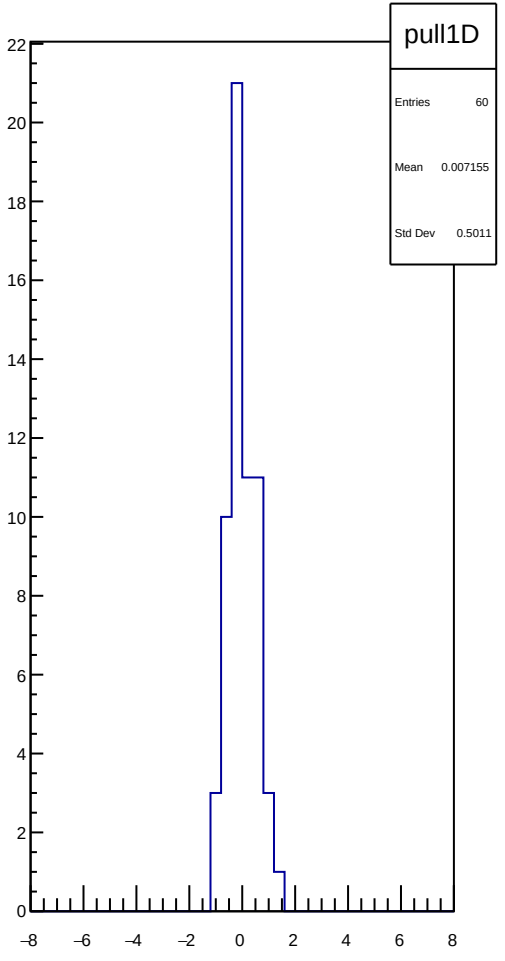

pull1D
Entries 60
Mean 0.006955
Std Dev 0.3228

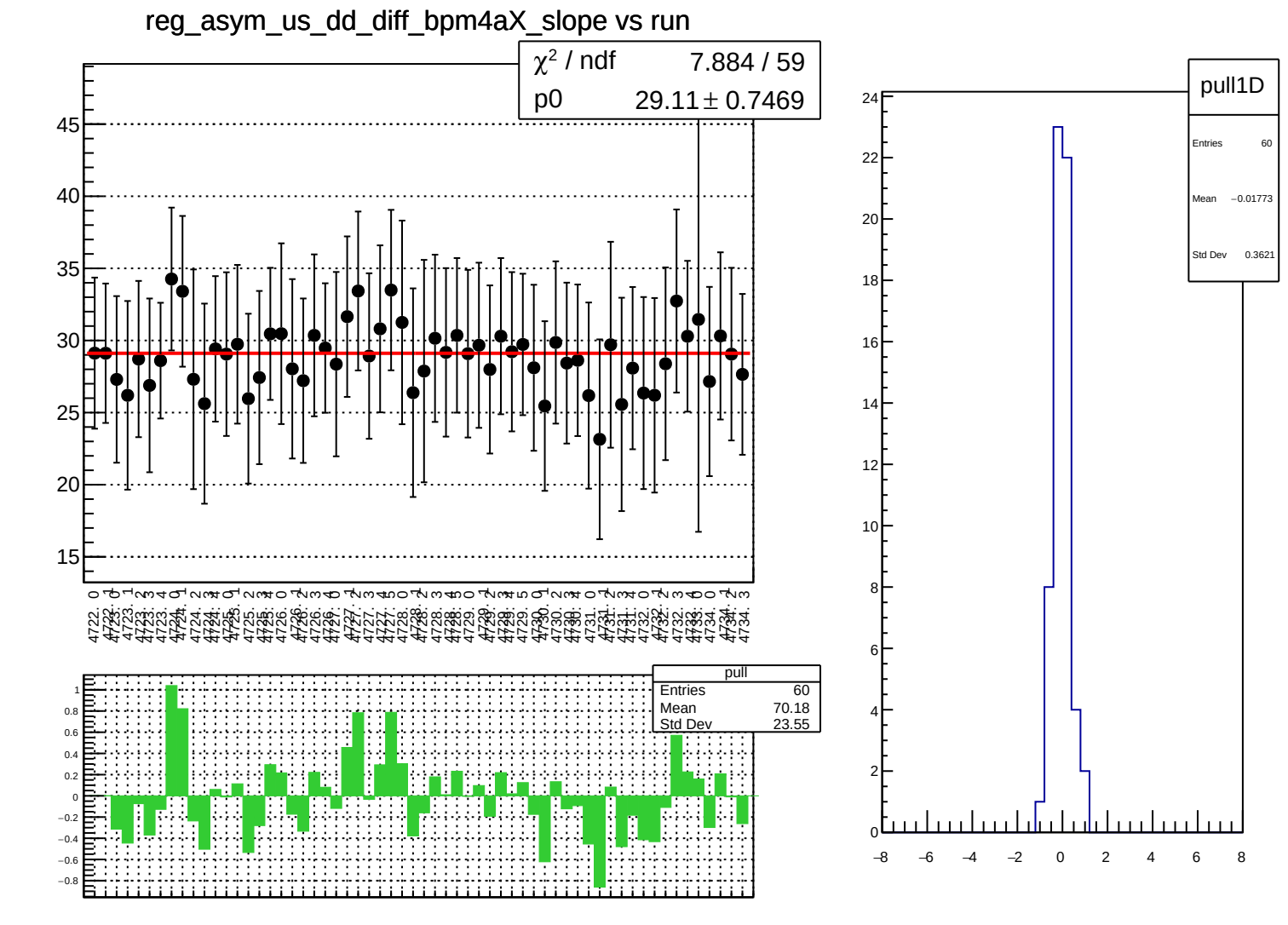

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.77 / 59
p0 −19.04 ± 0.08535
pull
Entries 60
Mean 387.5
Std Dev 386.9
pull1D
Entries 60
Mean −0.006888
Std Dev 0.7828

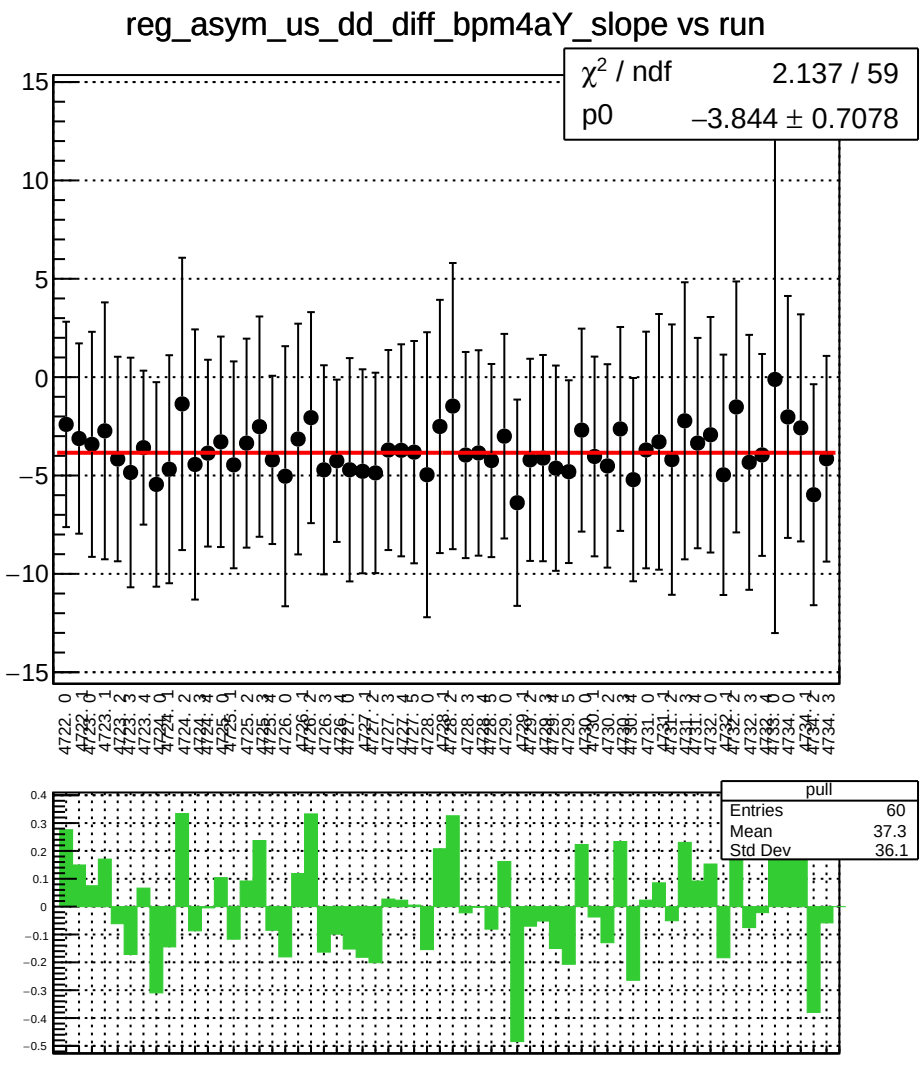

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.46 / 59
p0 −2.927 ± 0.6005
pull
Entries 60
Mean 52.03
Std Dev 28.78

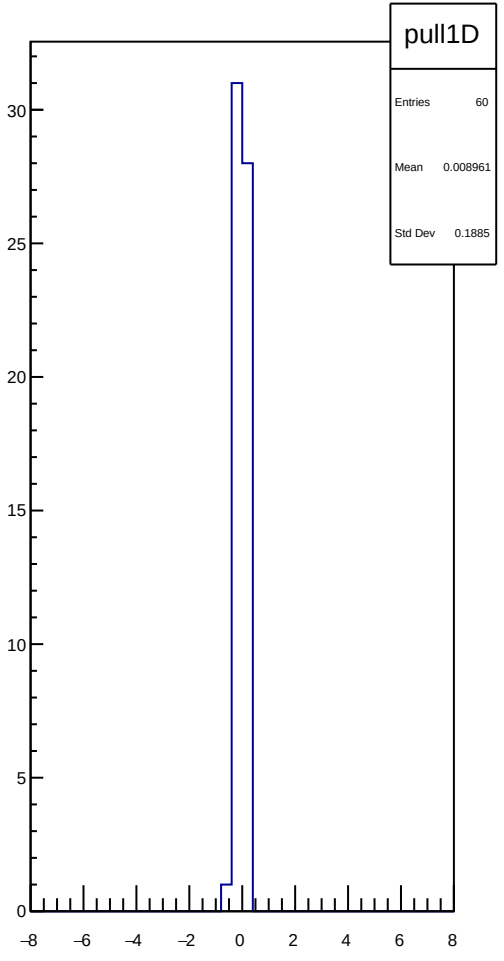

pull1D
Entries 60
Mean −0.004842
Std Dev 0.3281

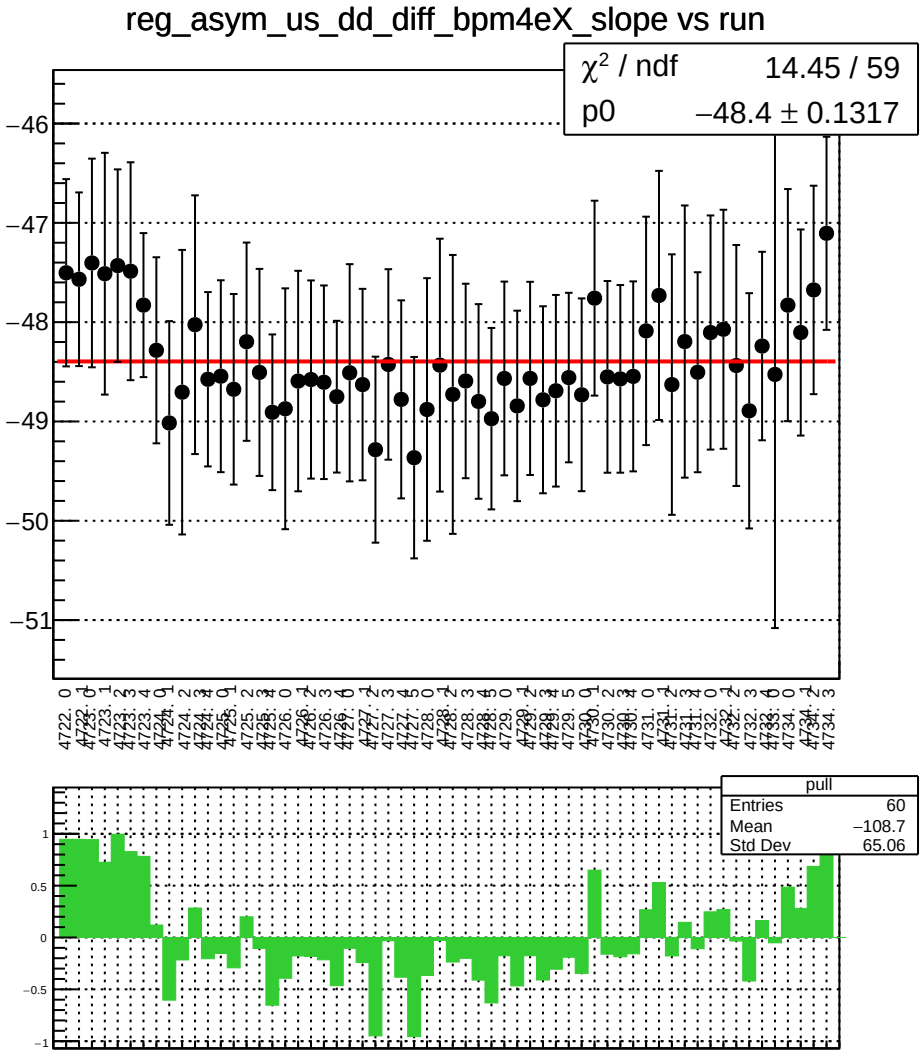

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 15.07 / 59
p0 −49.78 ± 0.08982
pull
Entries 60
Mean −696
Std Dev 722.4

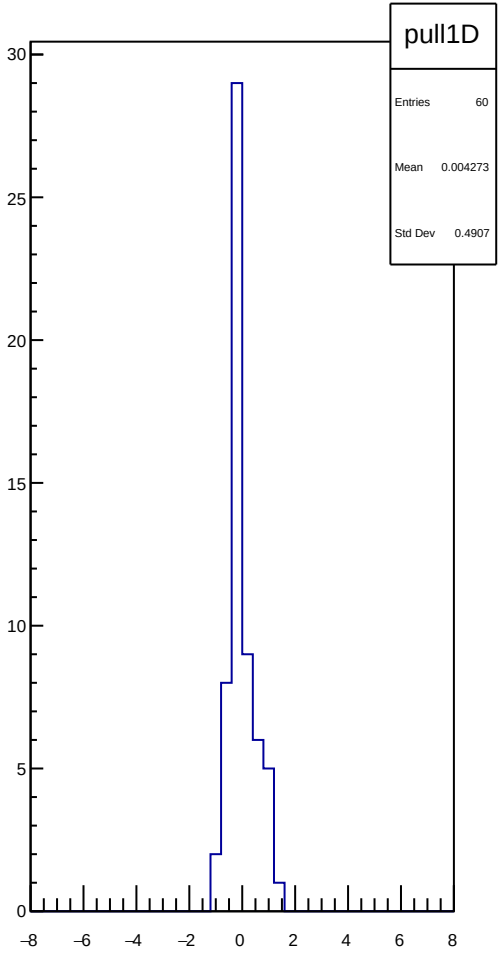

pull1D
Entries 60
Mean 0.007155
Std Dev 0.5011

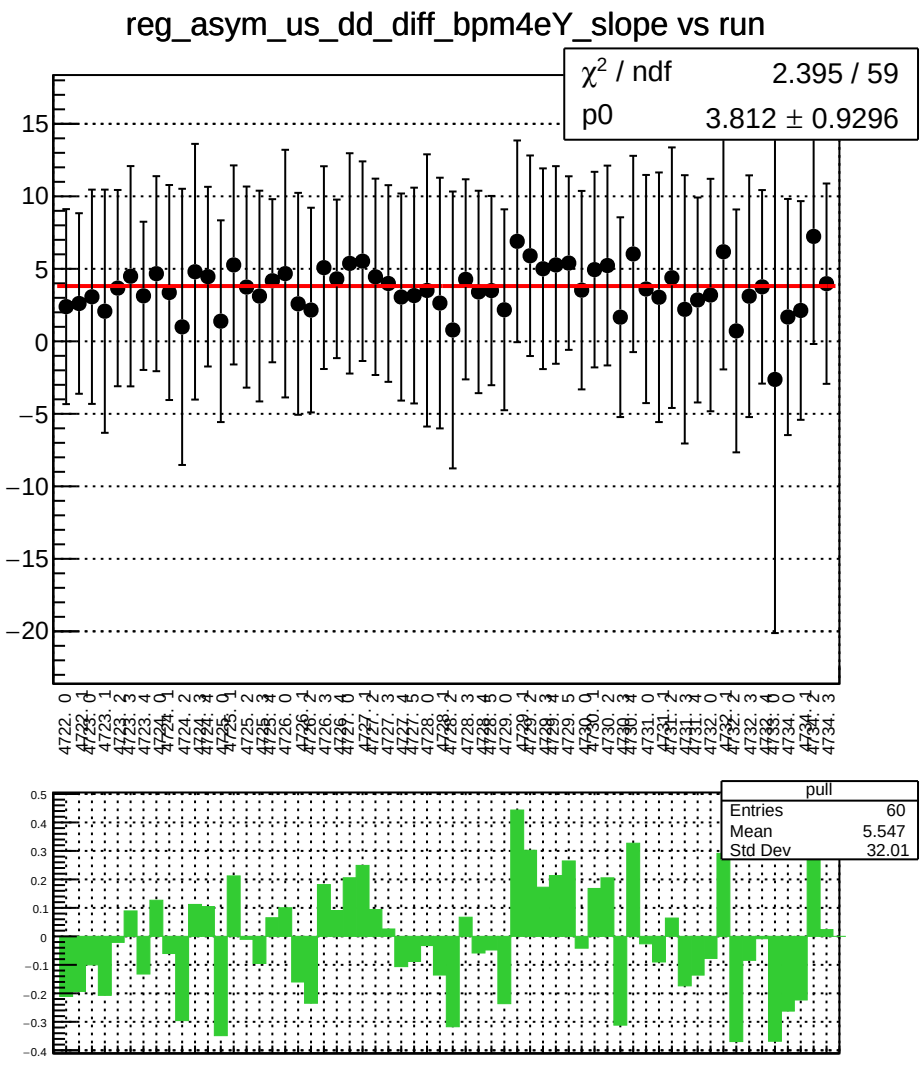

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.884 / 59
p0 29.11 ± 0.7469
pull
Entries 60
Mean 70.18
Std Dev 23.55
pull1D
Entries 60
Mean −0.01773
Std Dev 0.3621

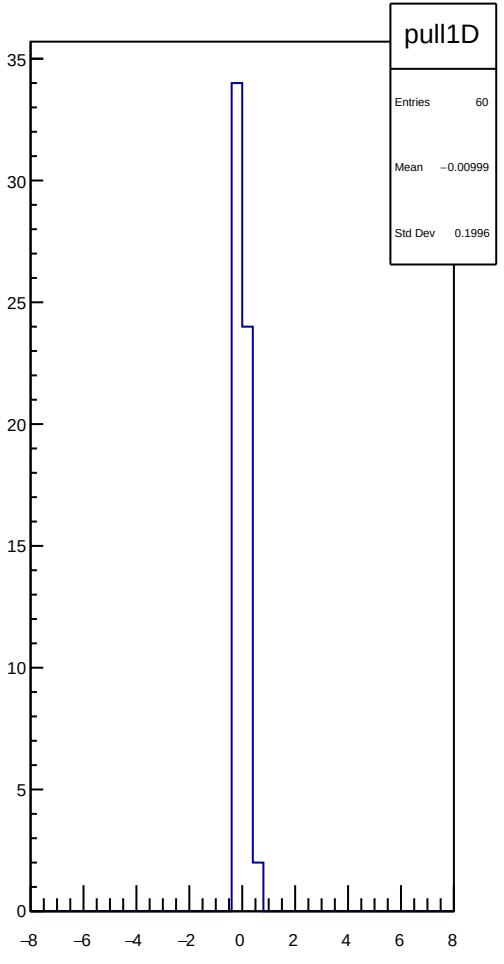

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.137 / 59
p0 −3.844 ± 0.7078
pull
Entries 60
Mean 37.3
Std Dev 36.1

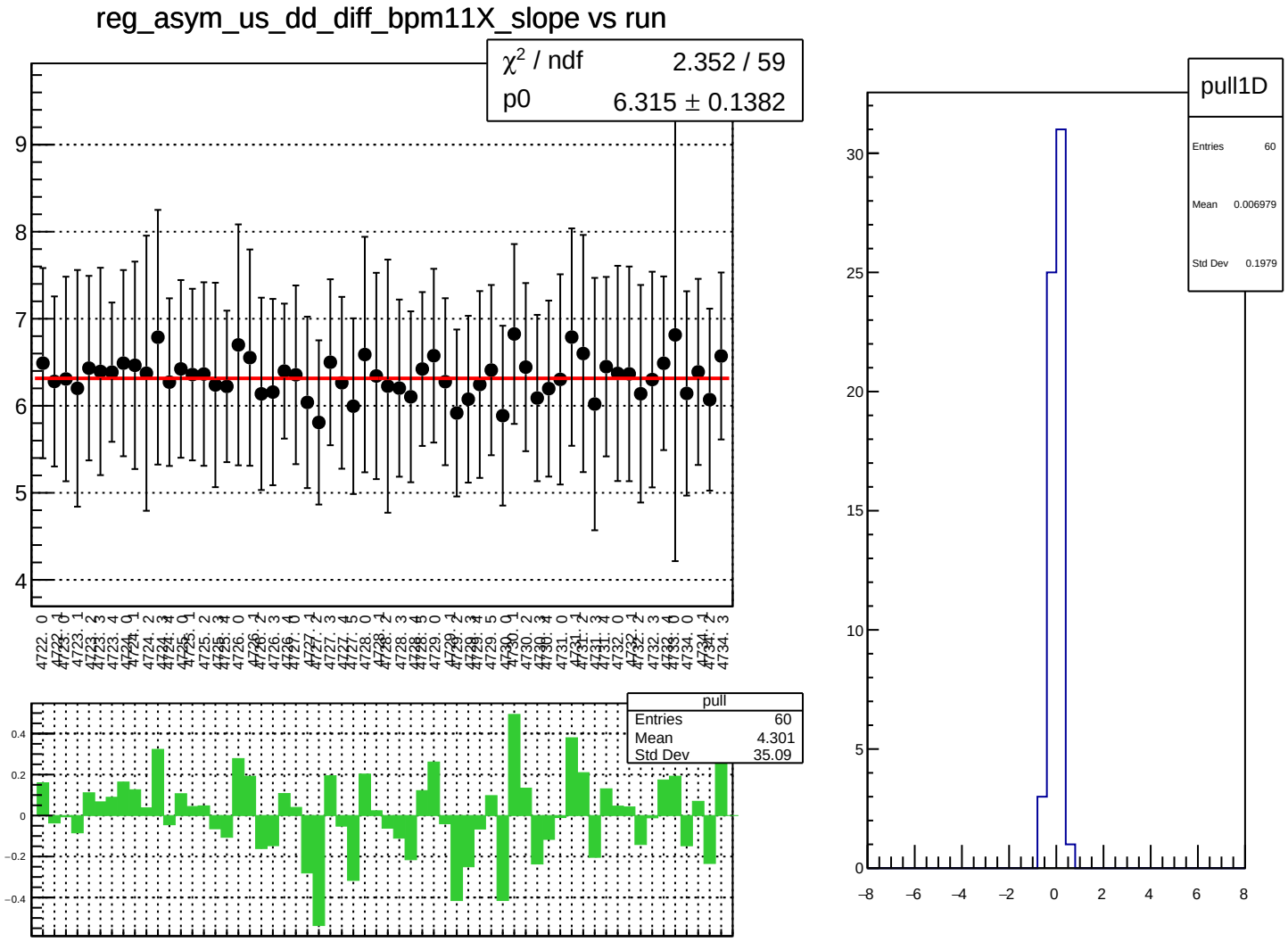

pull1D
Entries 60
Mean 0.008961
Std Dev 0.1885

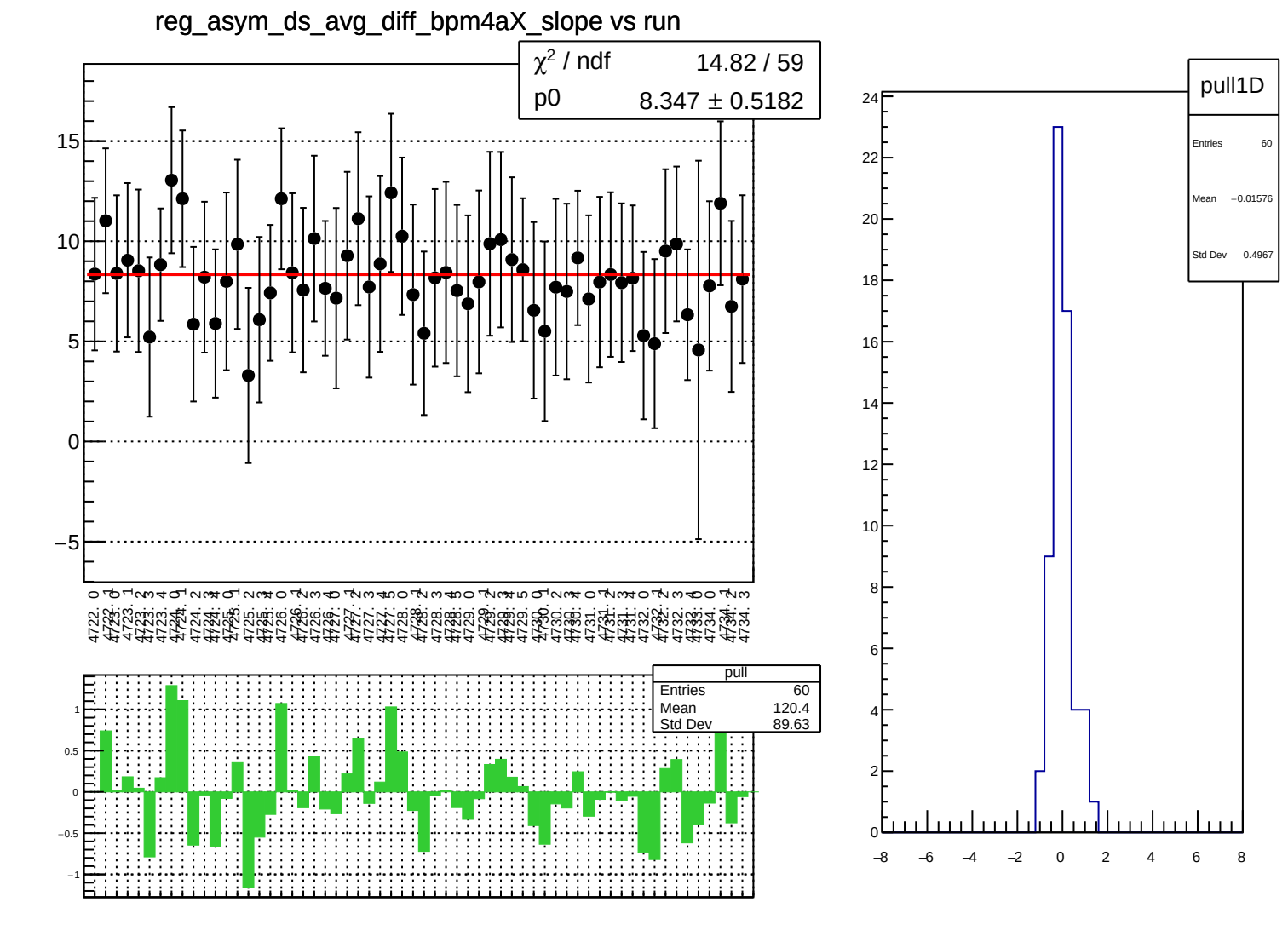

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.45 / 59
p0 −48.4 ± 0.1317
pull
Entries 60
Mean −108.7
Std Dev 65.06

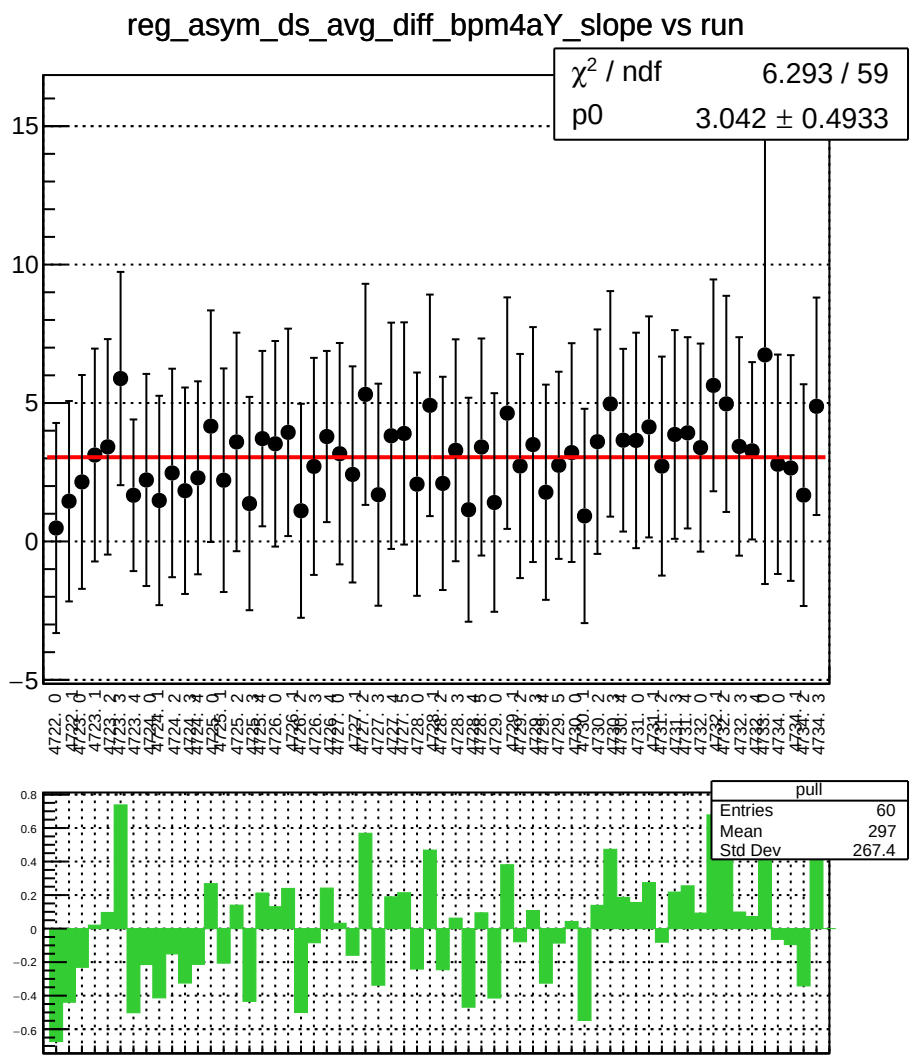

pull1D
Entries 60
Mean 0.004273
Std Dev 0.4907

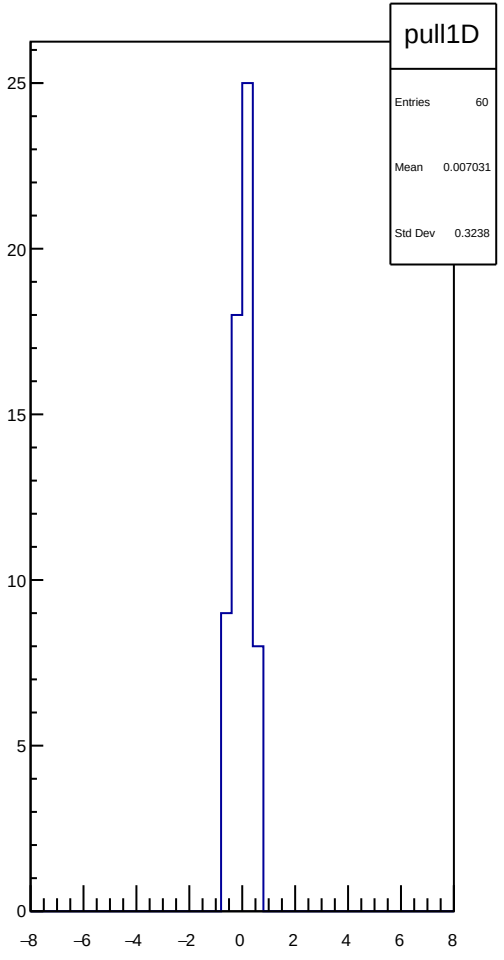

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.395 / 59
p0 3.812 ± 0.9296
pull
Entries 60
Mean 5.547
Std Dev 32.01

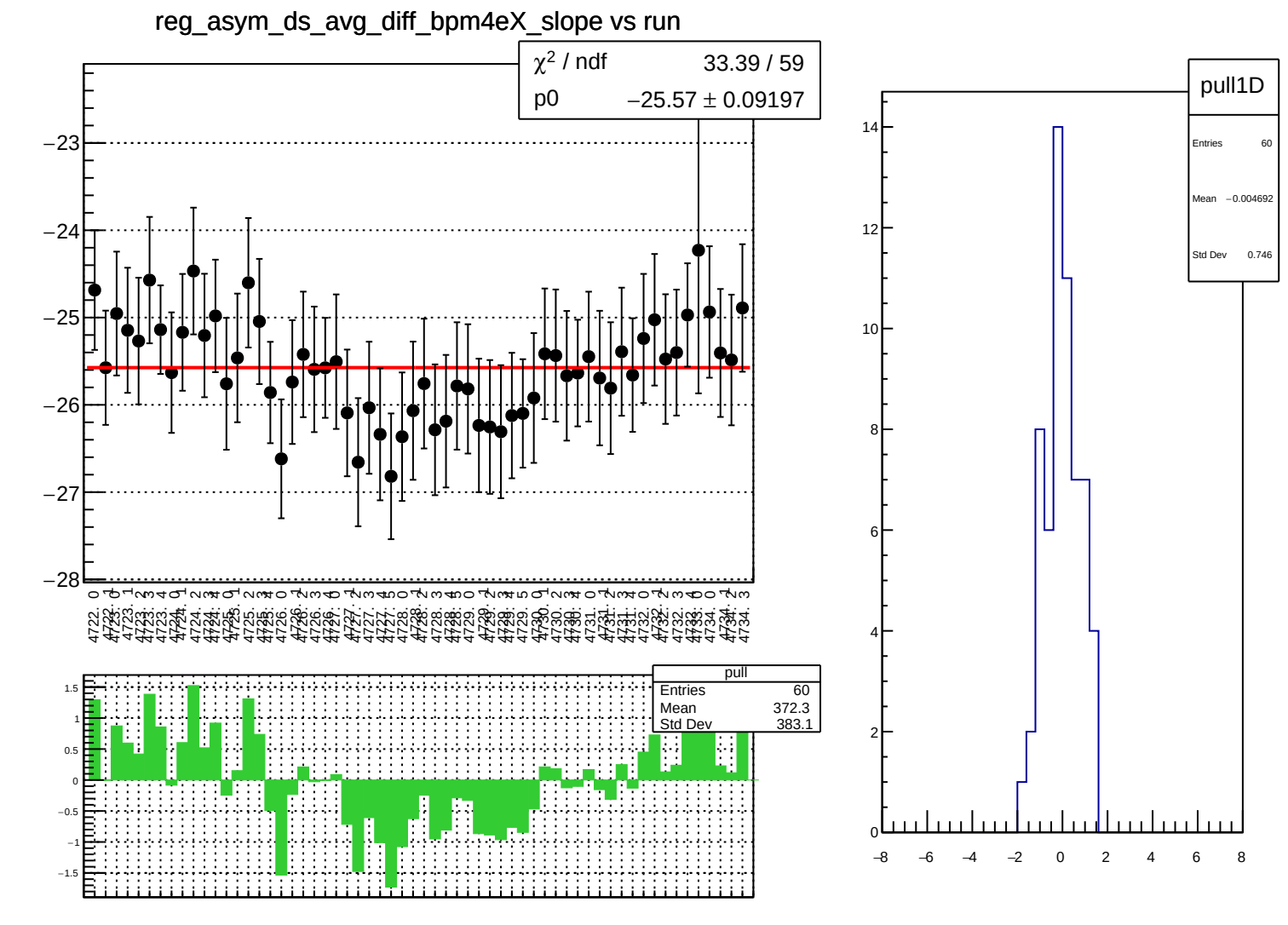

pull1D
Entries 60
Mean −0.00999
Std Dev 0.1996

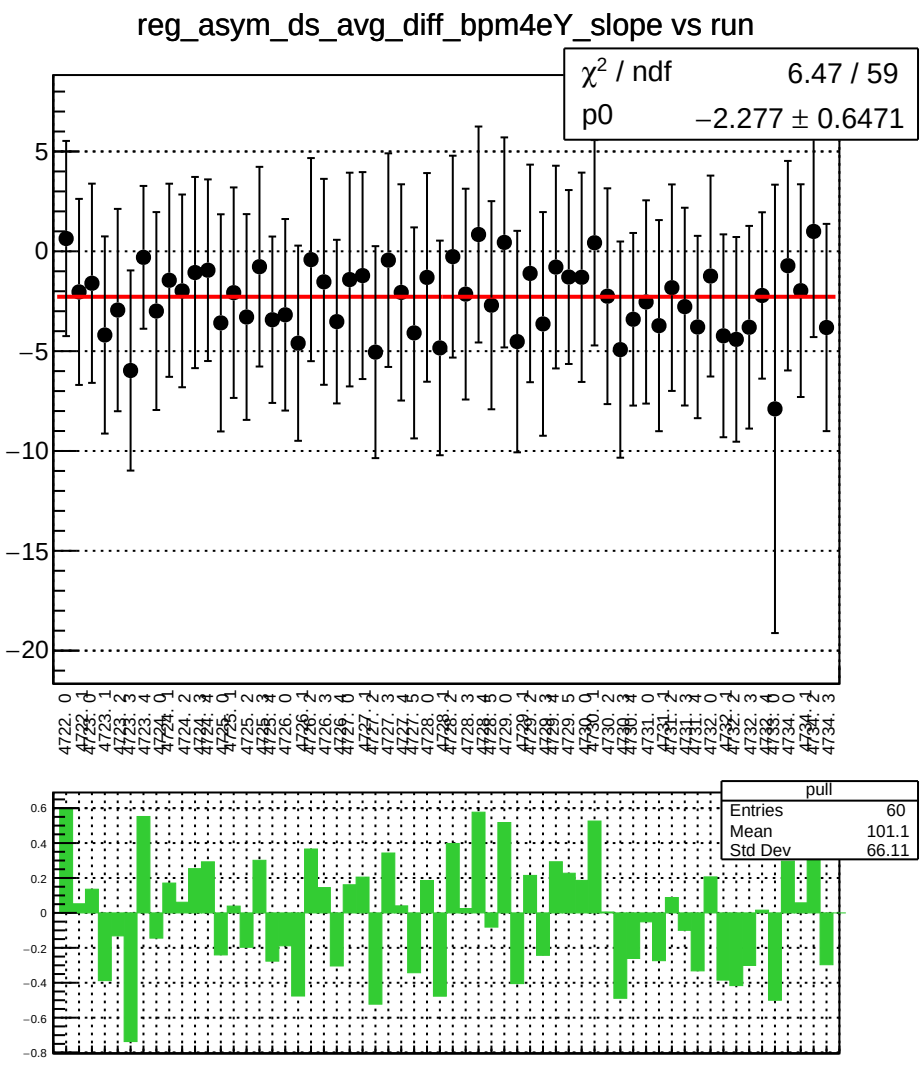

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 2.352 / 59
p0 6.315 ± 0.1382
pull
Entries 60
Mean 4.301
Std Dev 35.09
pull1D
Entries 60
Mean 0.006979
Std Dev 0.1979

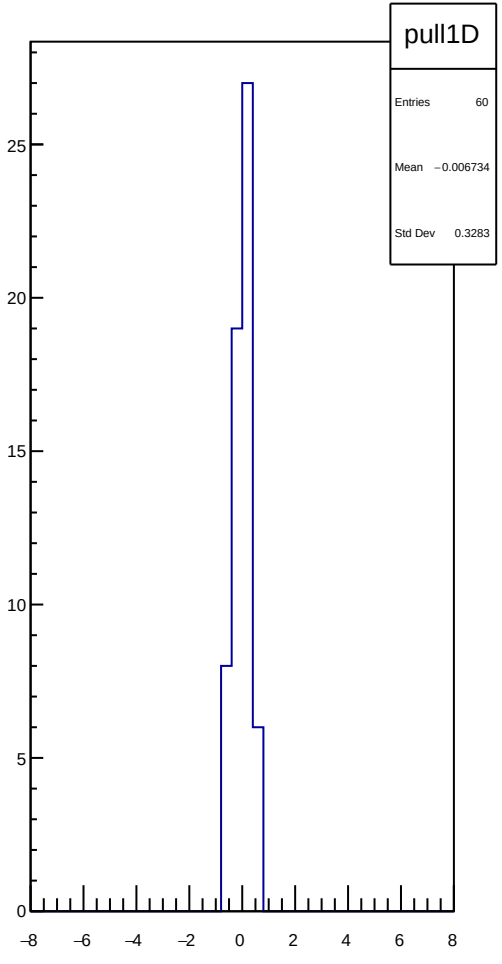

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.82 / 59
p0 8.347 ± 0.5182
pull
Entries 60
Mean 120.4
Std Dev 89.63
pull1D
Entries 60
Mean −0.01576
Std Dev 0.4967

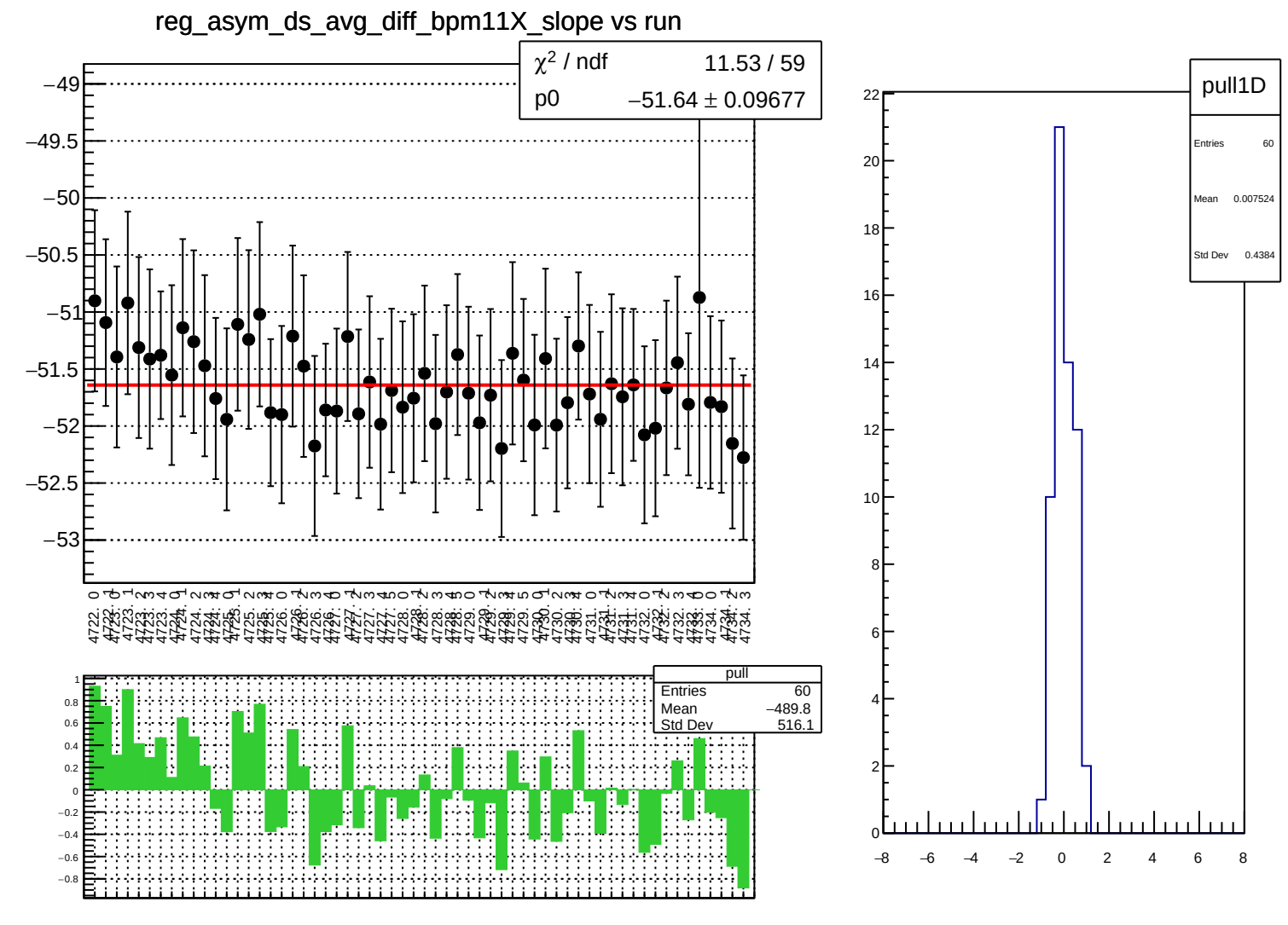

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.293 / 59
p0 3.042 ± 0.4933
pull
Entries 60
Mean 297
Std Dev 267.4

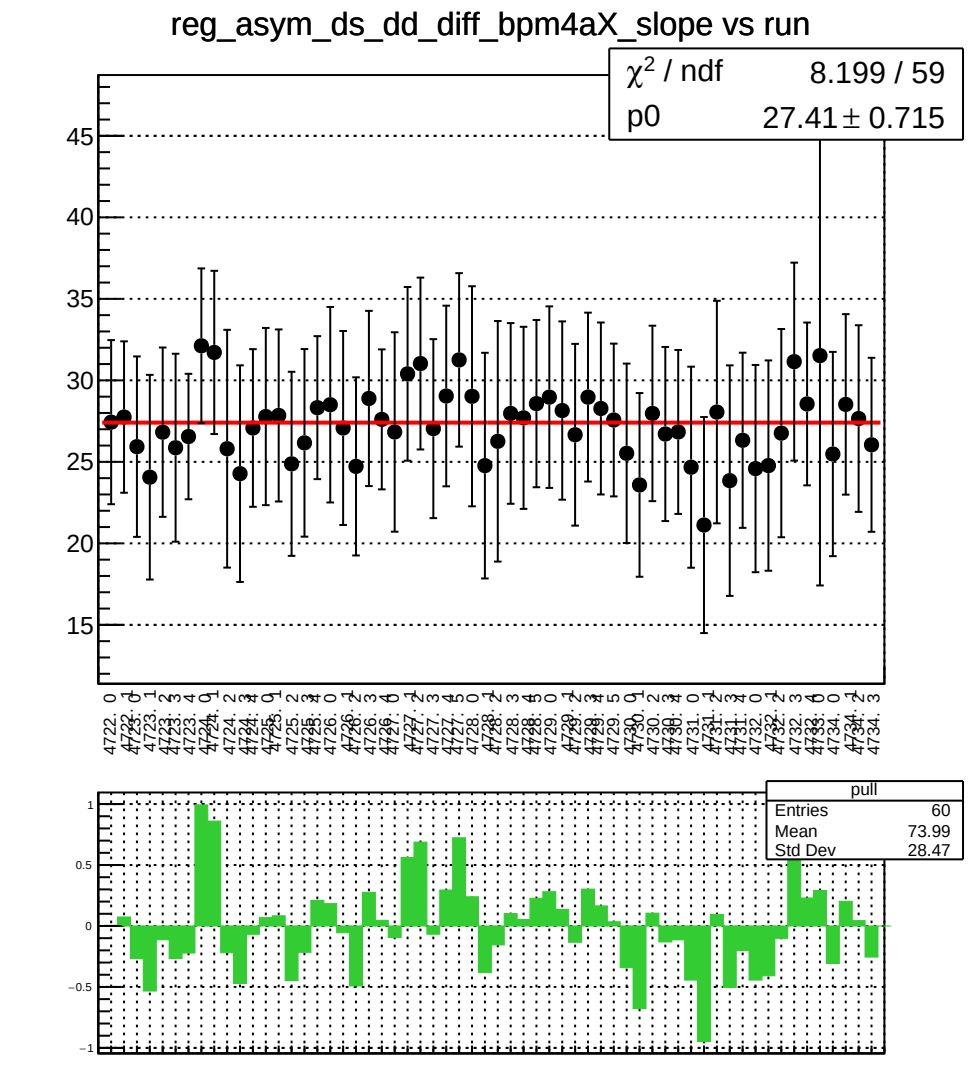

pull1D
Entries 60
Mean 0.007031
Std Dev 0.3238

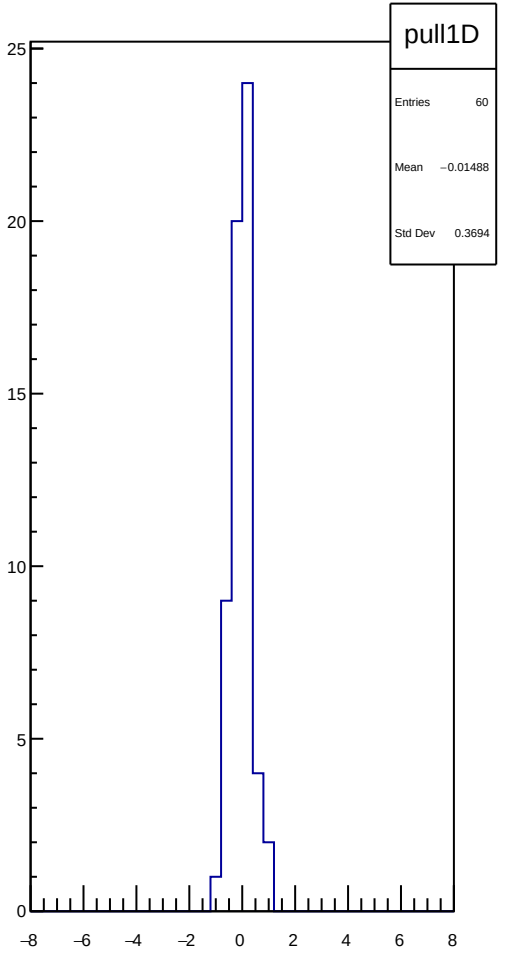

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.39 / 59
p0 −25.57 ± 0.09197
pull
Entries 60
Mean 372.3
Std Dev 383.1
pull1D
Entries 60
Mean −0.004692
Std Dev 0.746

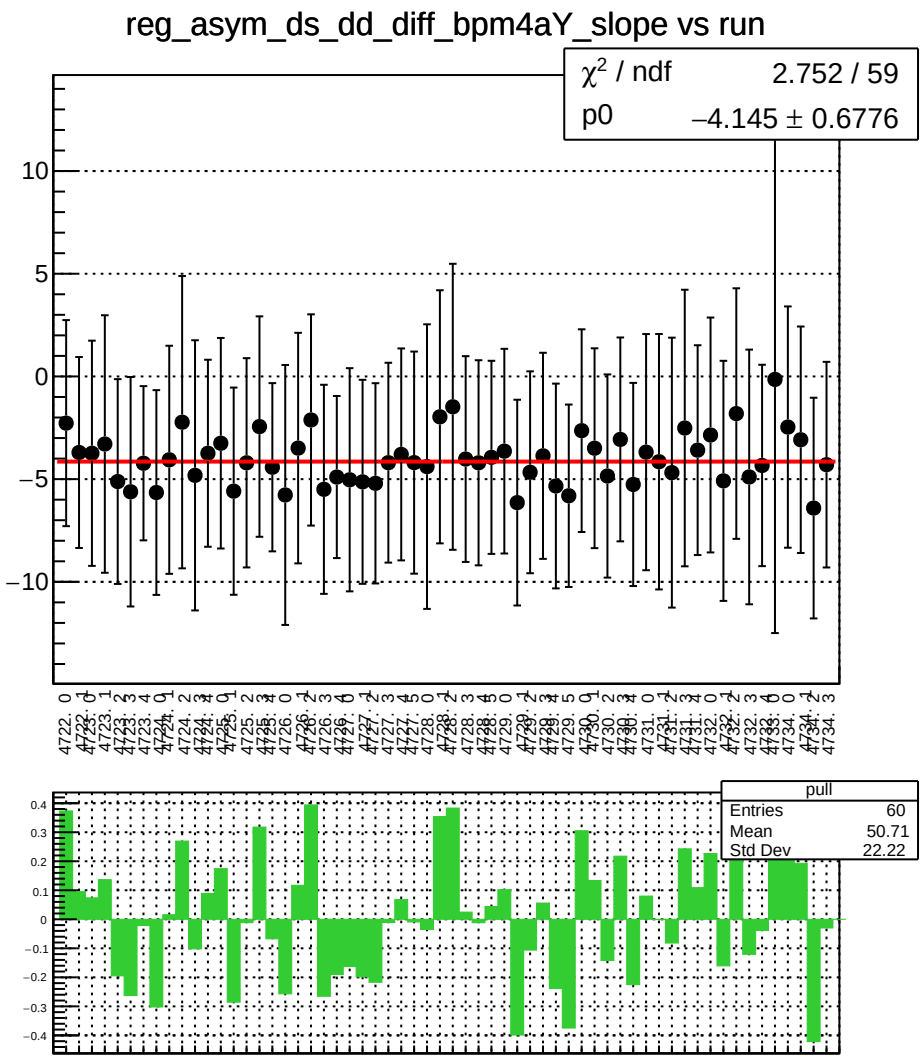

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.47 / 59
p0 −2.277 ± 0.6471
pull
Entries 60
Mean 101.1
Std Dev 66.11

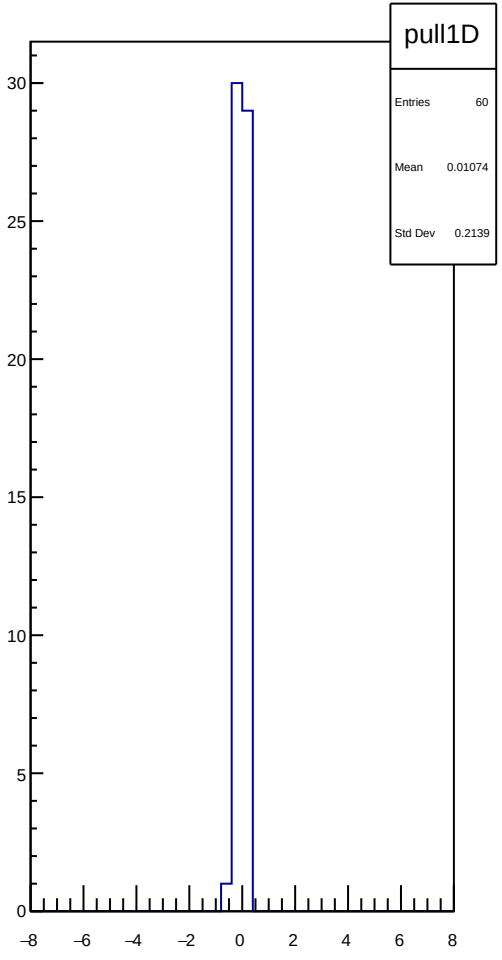

pull1D
Entries 60
Mean −0.006734
Std Dev 0.3283

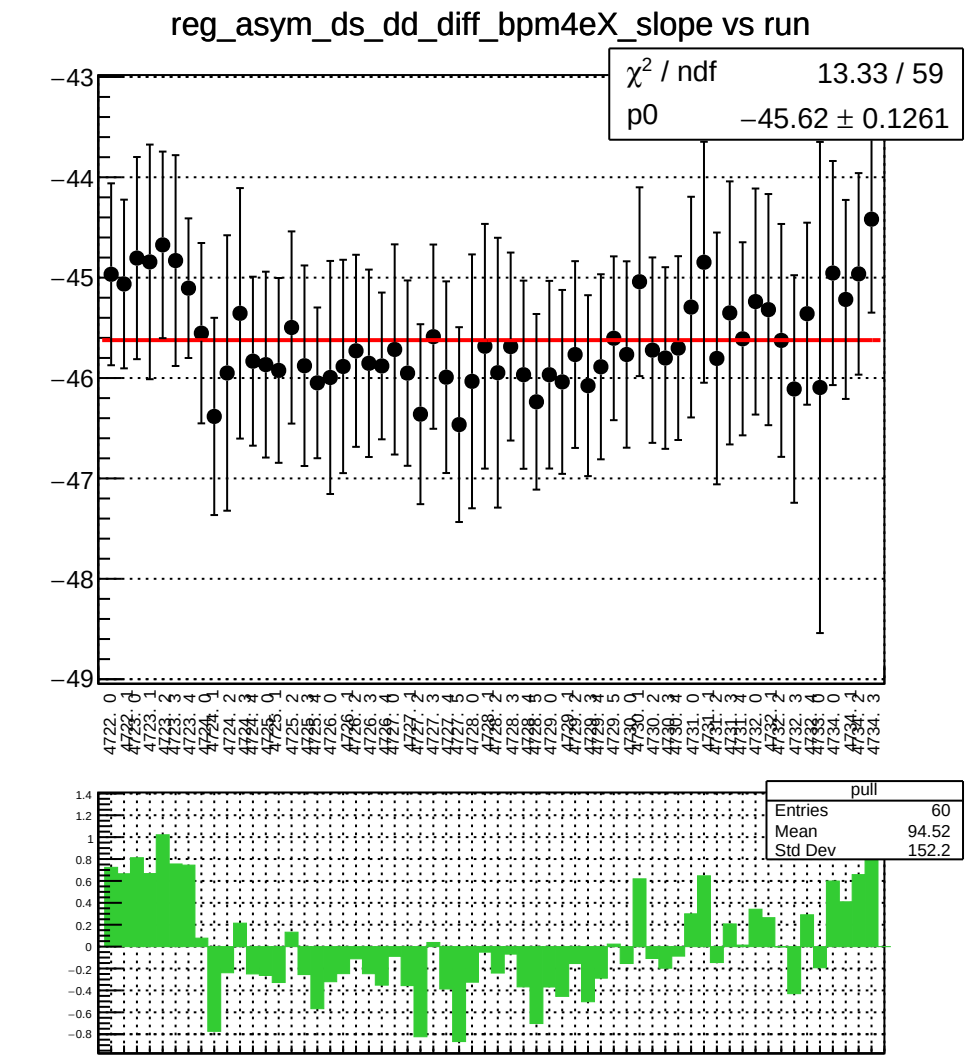

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 11.53 / 59
p0 −51.64 ± 0.09677
pull
Entries 60
Mean −489.8
Std Dev 516.1
pull1D
Entries 60
Mean 0.007524
Std Dev 0.4384

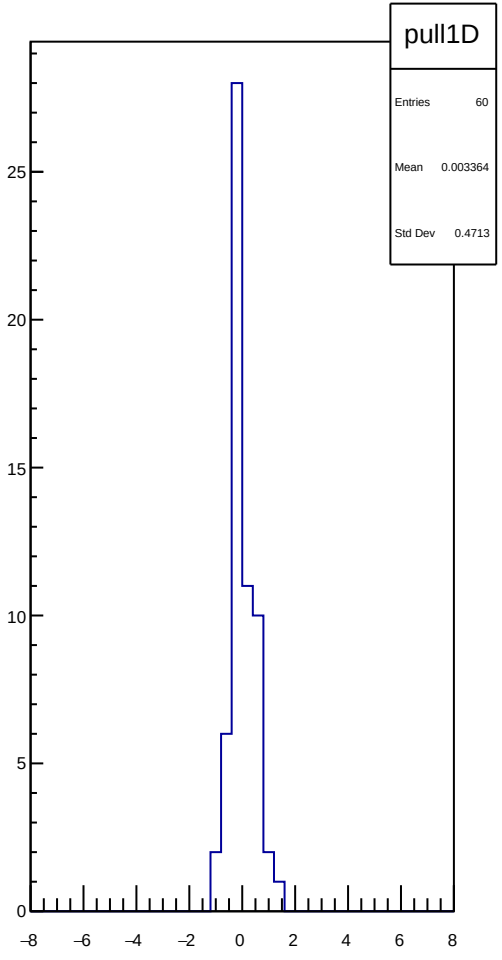

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.199 / 59
p0 27.41 ± 0.715
pull
Entries 60
Mean 73.99
Std Dev 28.47

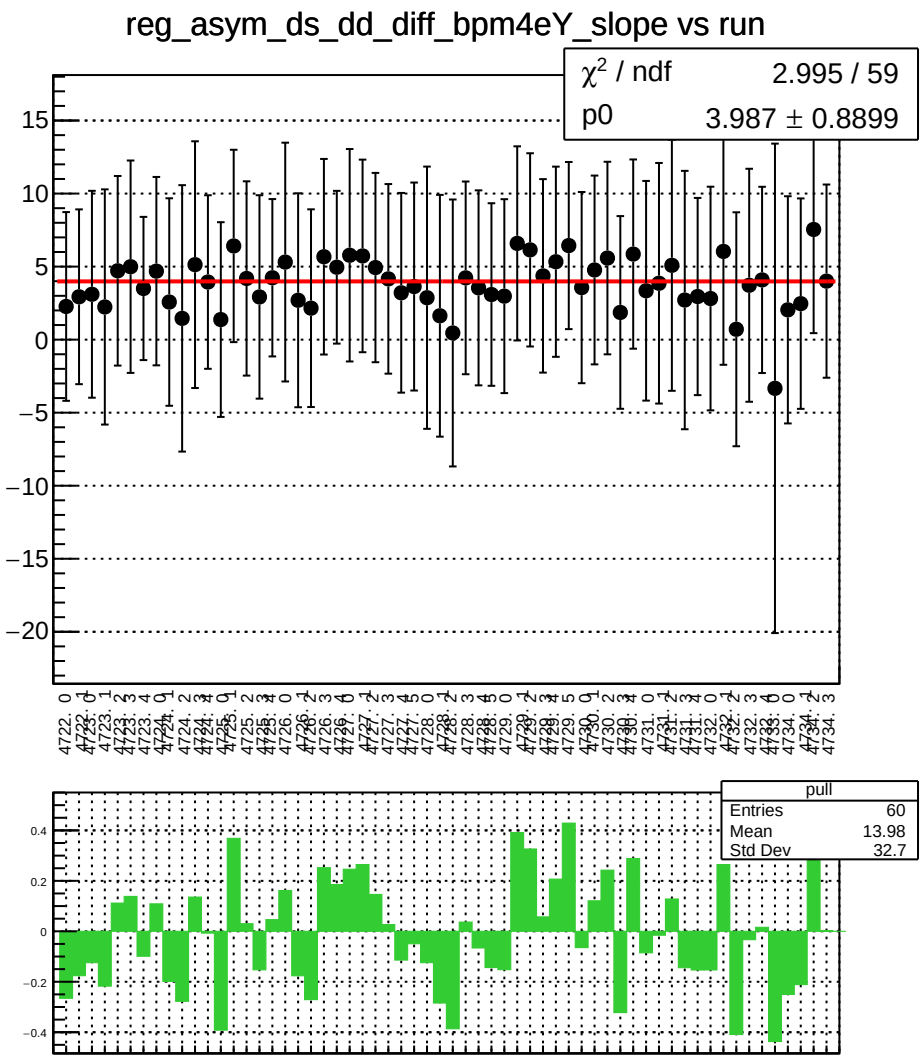

pull1D
Entries 60
Mean −0.01488
Std Dev 0.3694

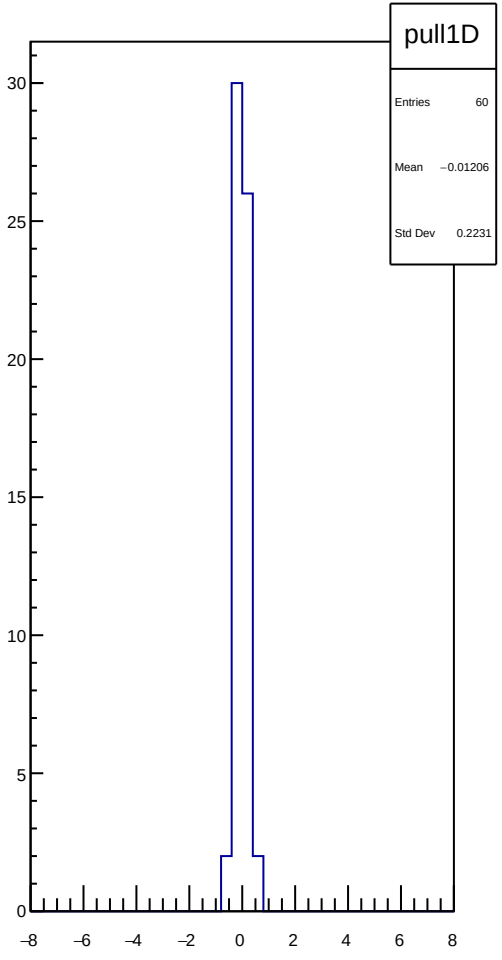

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.752 / 59
p0 −4.145 ± 0.6776
pull
Entries 60
Mean 50.71
Std Dev 22.22

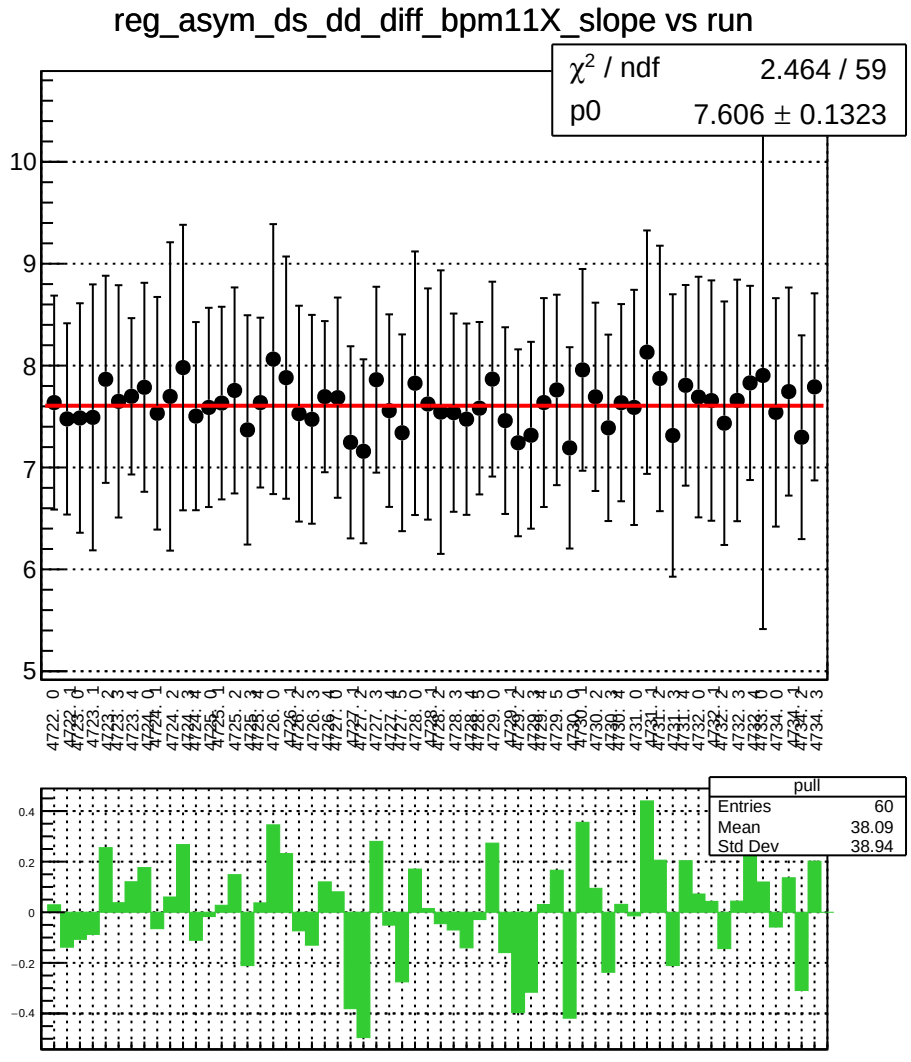

pull1D
Entries 60
Mean 0.01074
Std Dev 0.2139

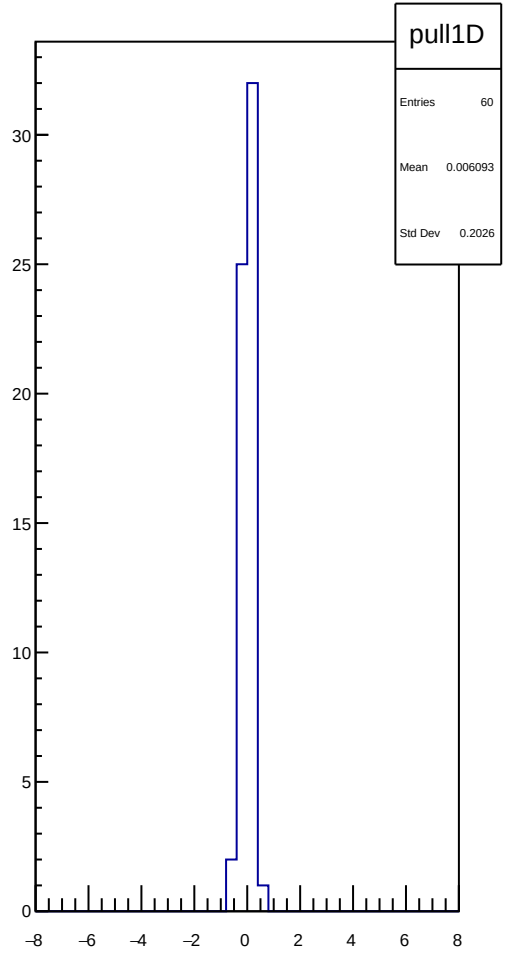

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.33 / 59
p0 −45.62 ± 0.1261
pull
Entries 60
Mean 94.52
Std Dev 152.2

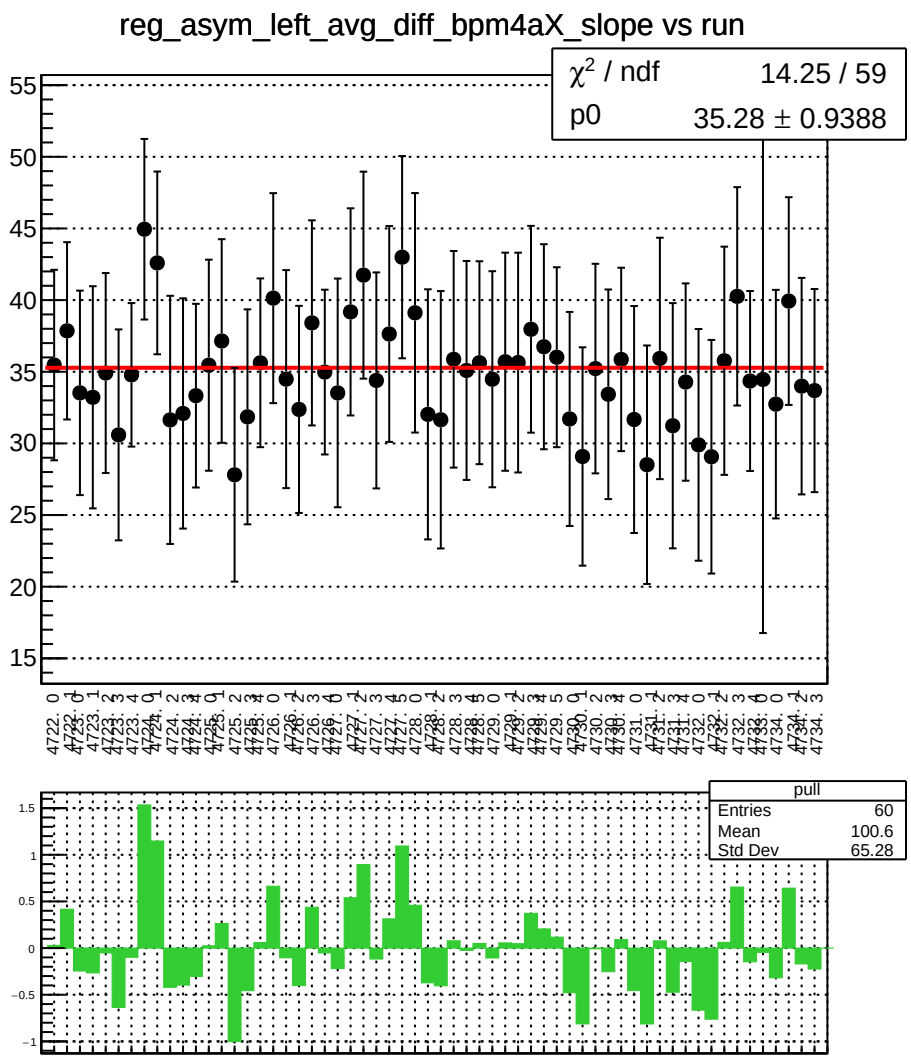

pull1D
Entries 60
Mean 0.003364
Std Dev 0.4713

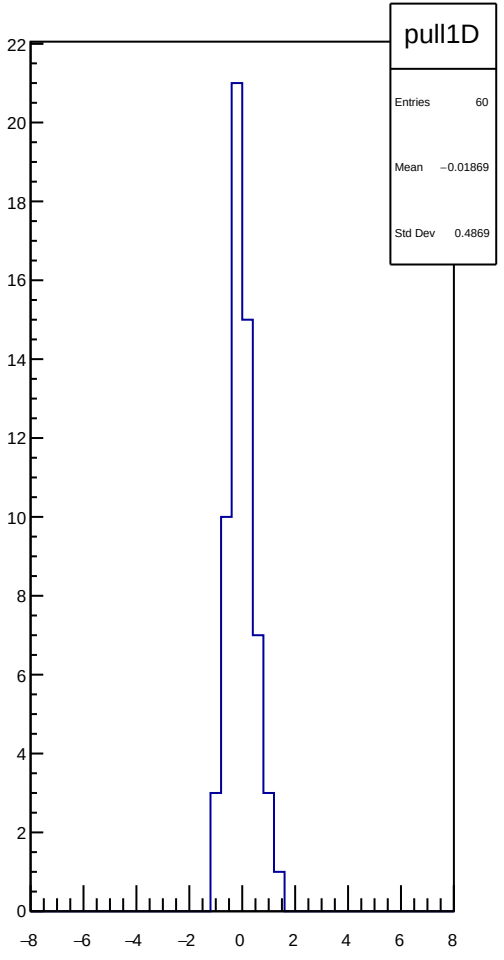

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.995 / 59
p0 3.987 ± 0.8899
pull
Entries 60
Mean 13.98
Std Dev 32.7

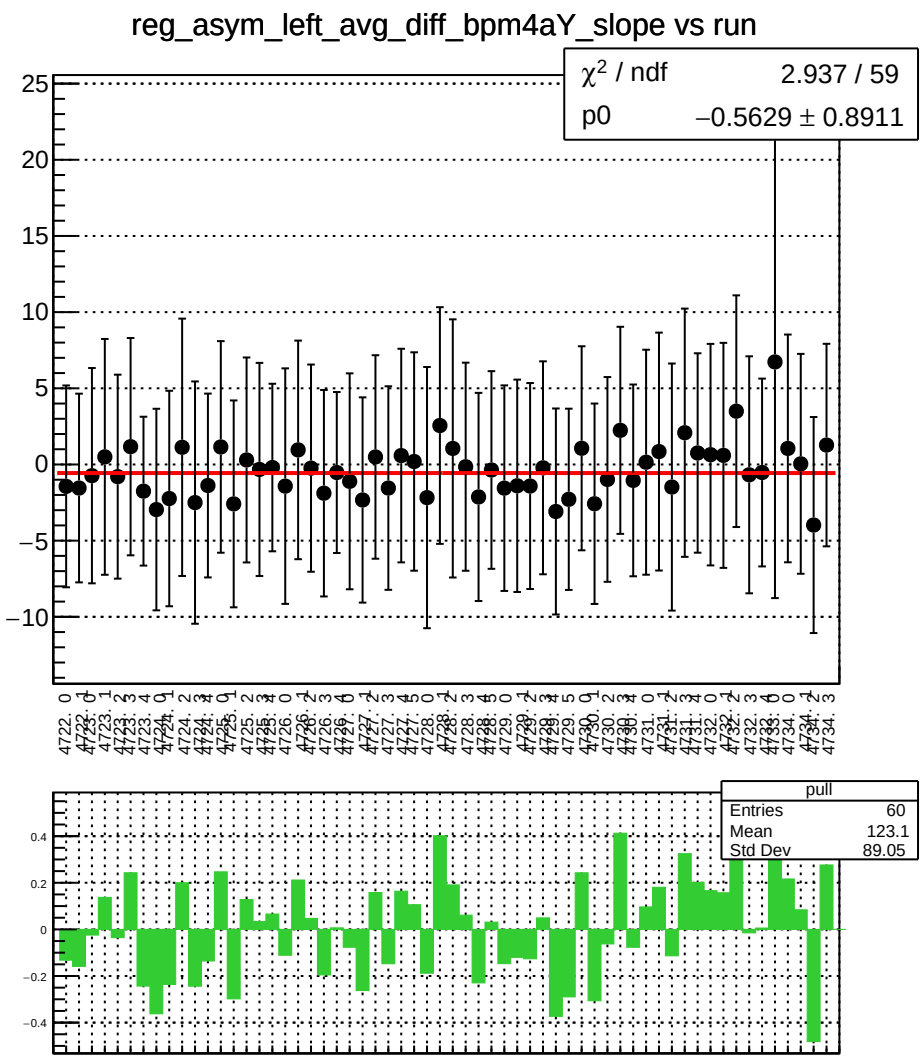

pull1D
Entries 60
Mean −0.01206
Std Dev 0.2231

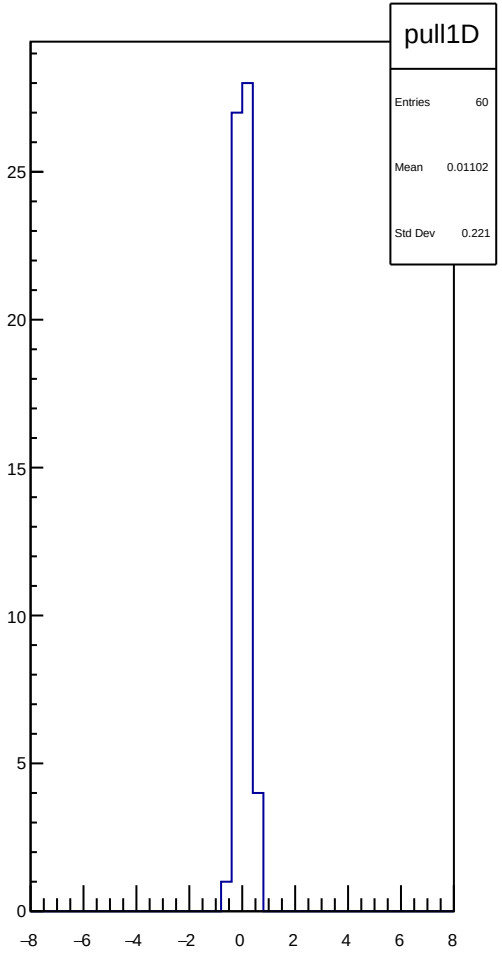

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 2.464 / 59
p0 7.606 ± 0.1323
pull
Entries 60
Mean 38.09
Std Dev 38.94

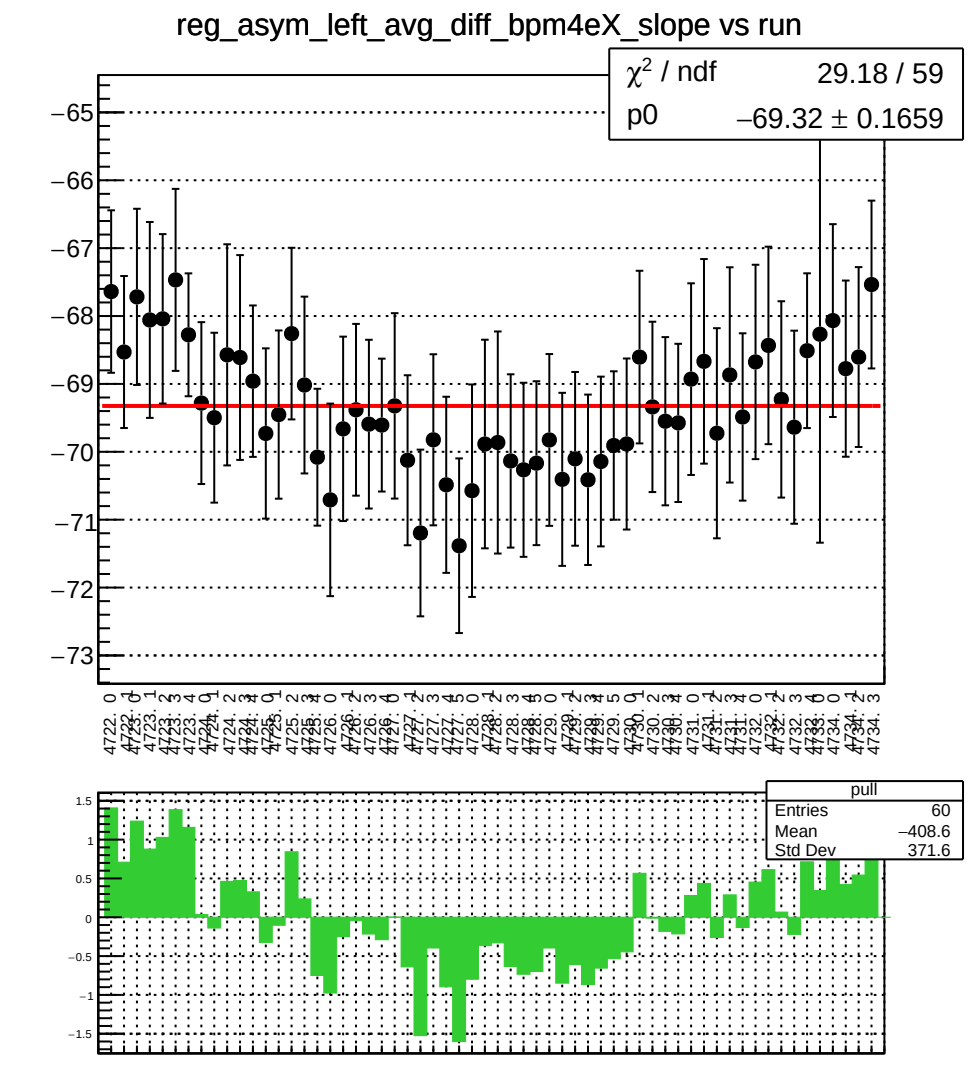

pull1D
Entries 60
Mean 0.006093
Std Dev 0.2026

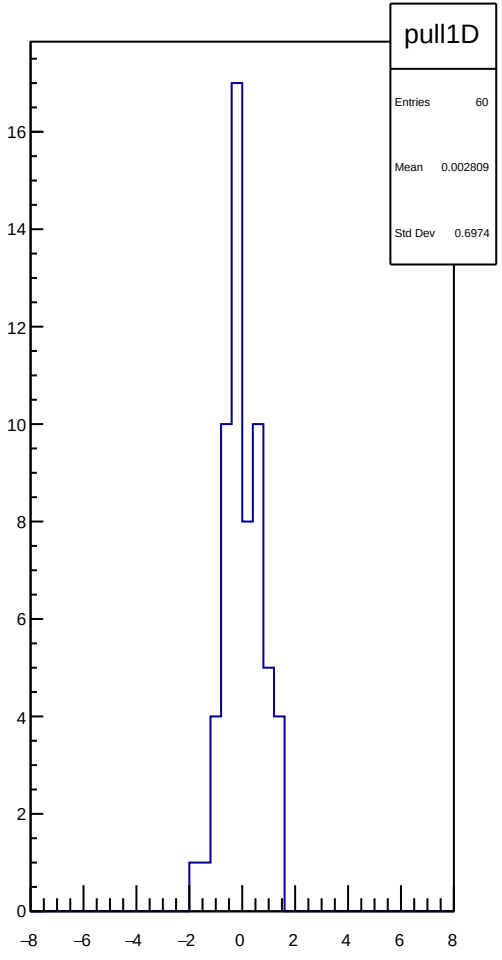

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.25 / 59
p0 35.28 ± 0.9388
pull
Entries 60
Mean 100.6
Std Dev 65.28

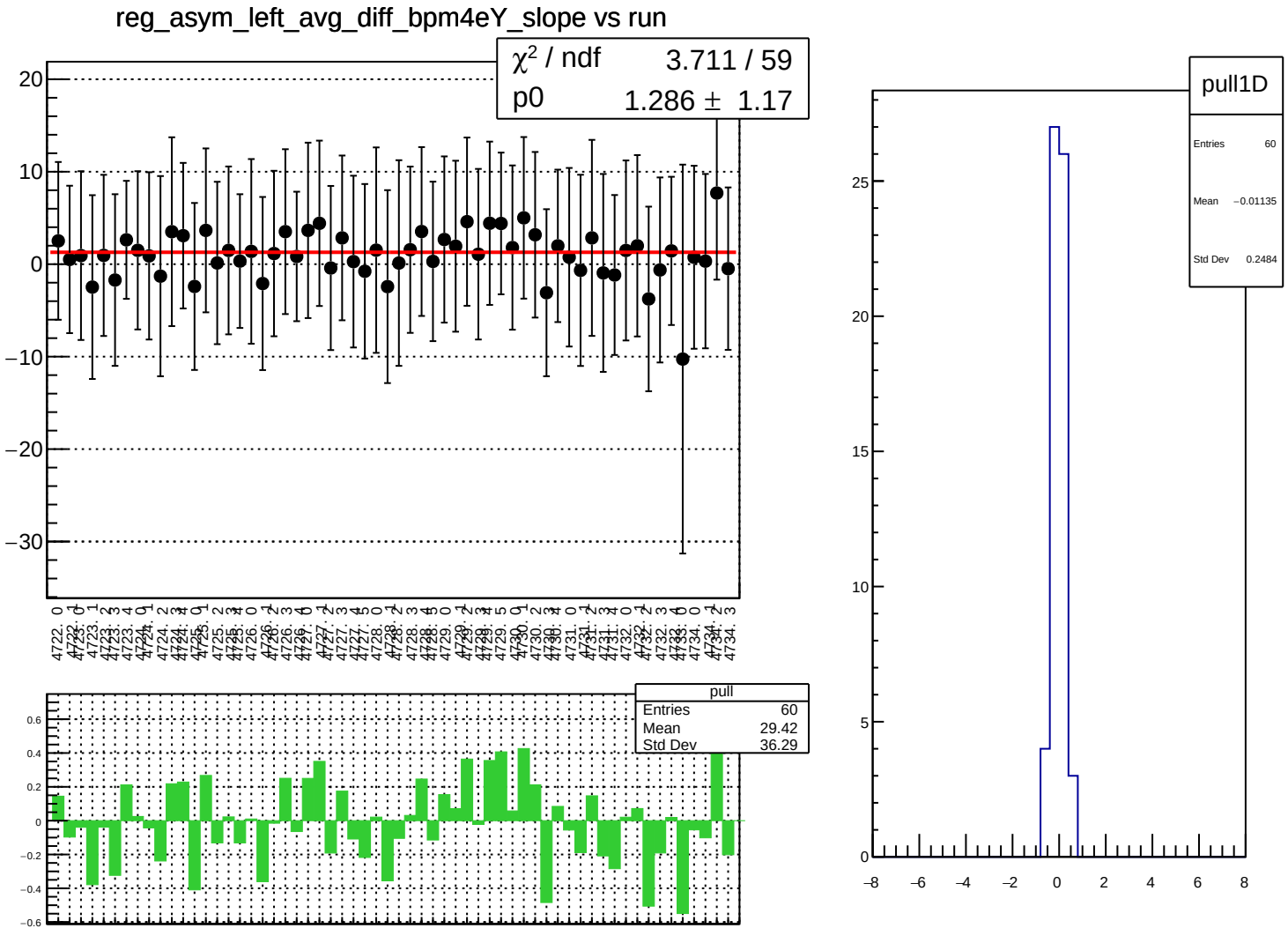

pull1D
Entries 60
Mean −0.01869
Std Dev 0.4869

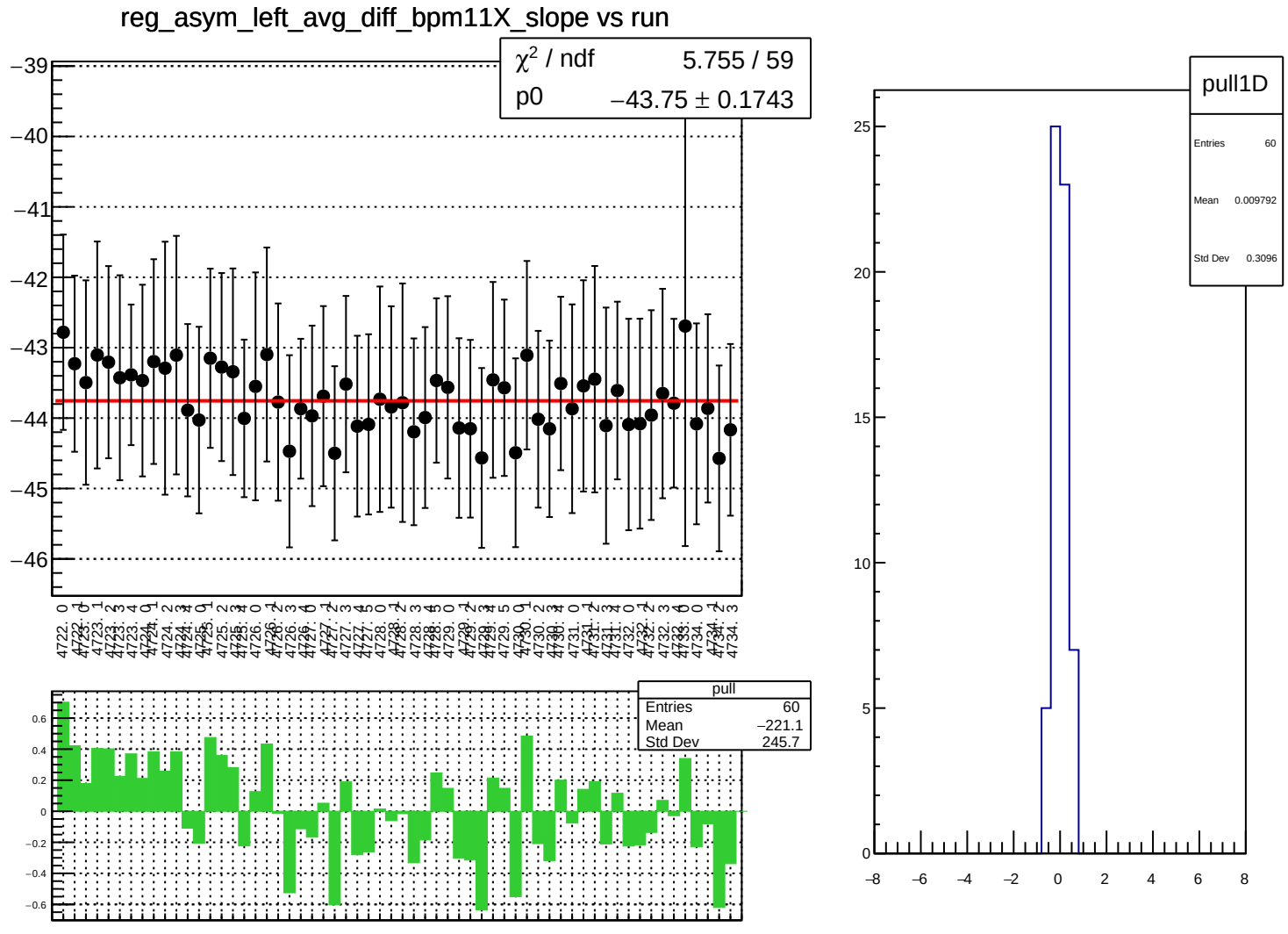

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.937 / 59
p0 −0.5629 ± 0.8911
pull
Entries 60
Mean 123.1
Std Dev 89.05

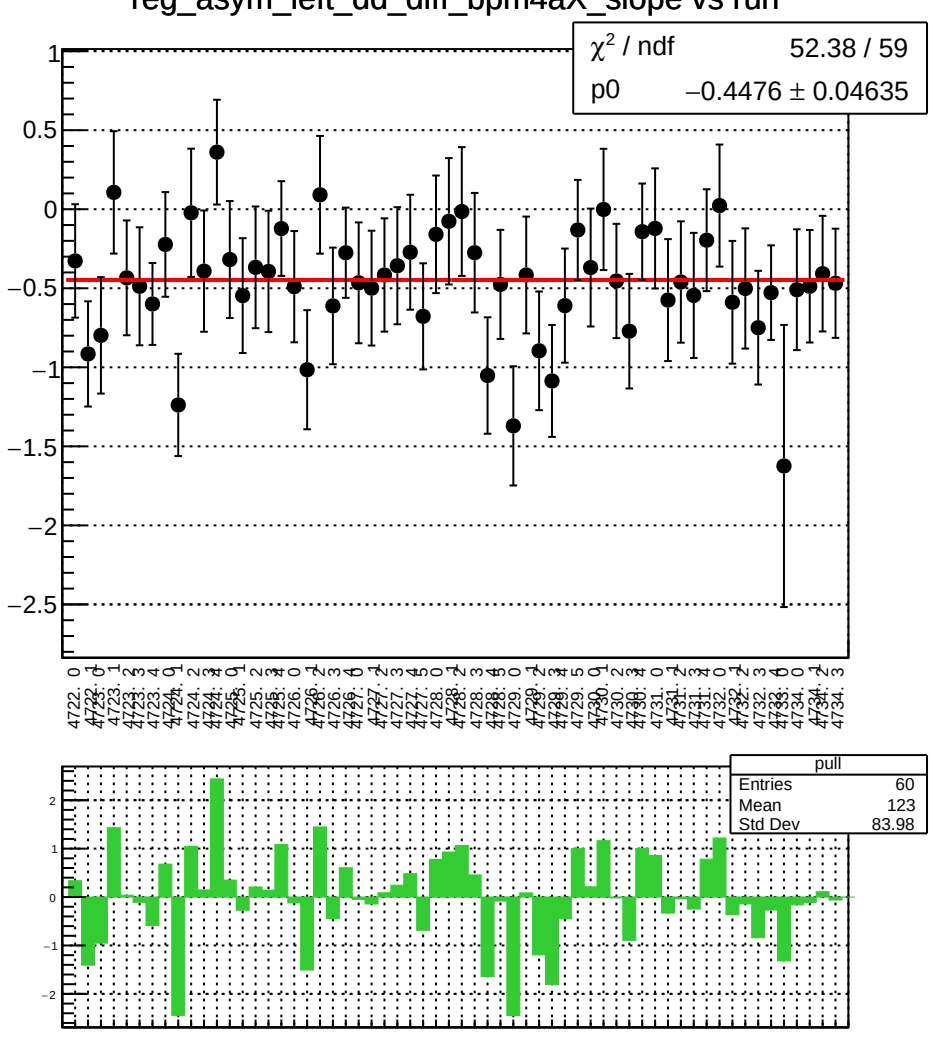

pull1D
Entries 60
Mean 0.01102
Std Dev 0.221

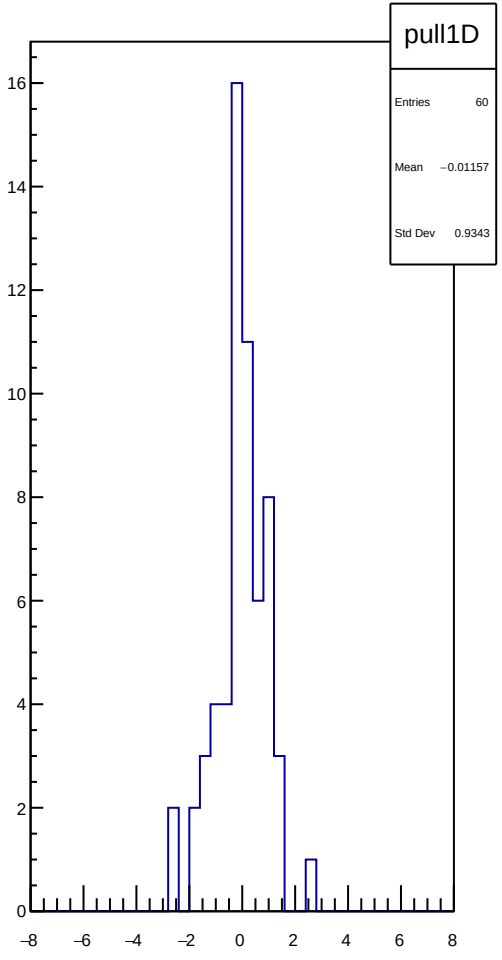

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.18 / 59
p0 −69.32 ± 0.1659
pull
Entries 60
Mean −408.6
Std Dev 371.6

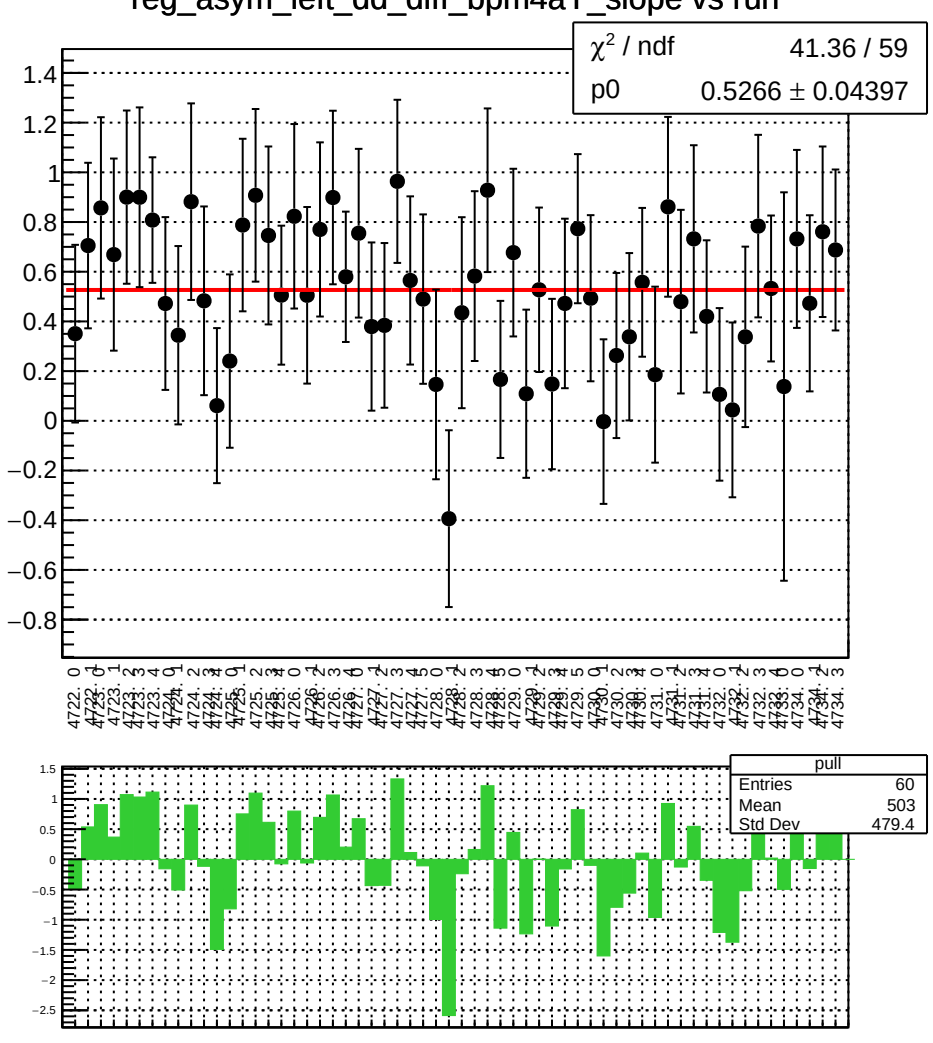

pull1D
Entries 60
Mean 0.002809
Std Dev 0.6974

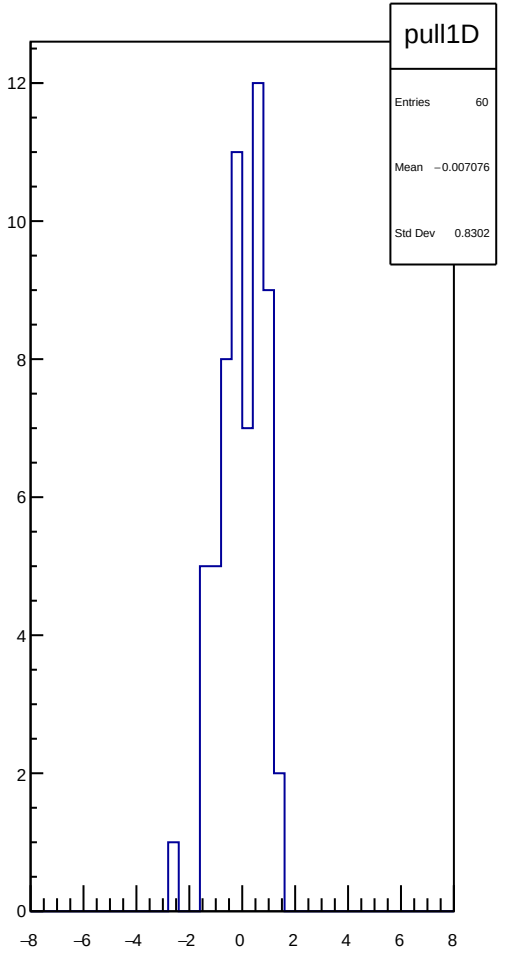

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.711 / 59
p0 1.286 ± 1.17
pull
Entries 60
Mean 29.42
Std Dev 36.29
pull1D
Entries 60
Mean −0.01135
Std Dev 0.2484

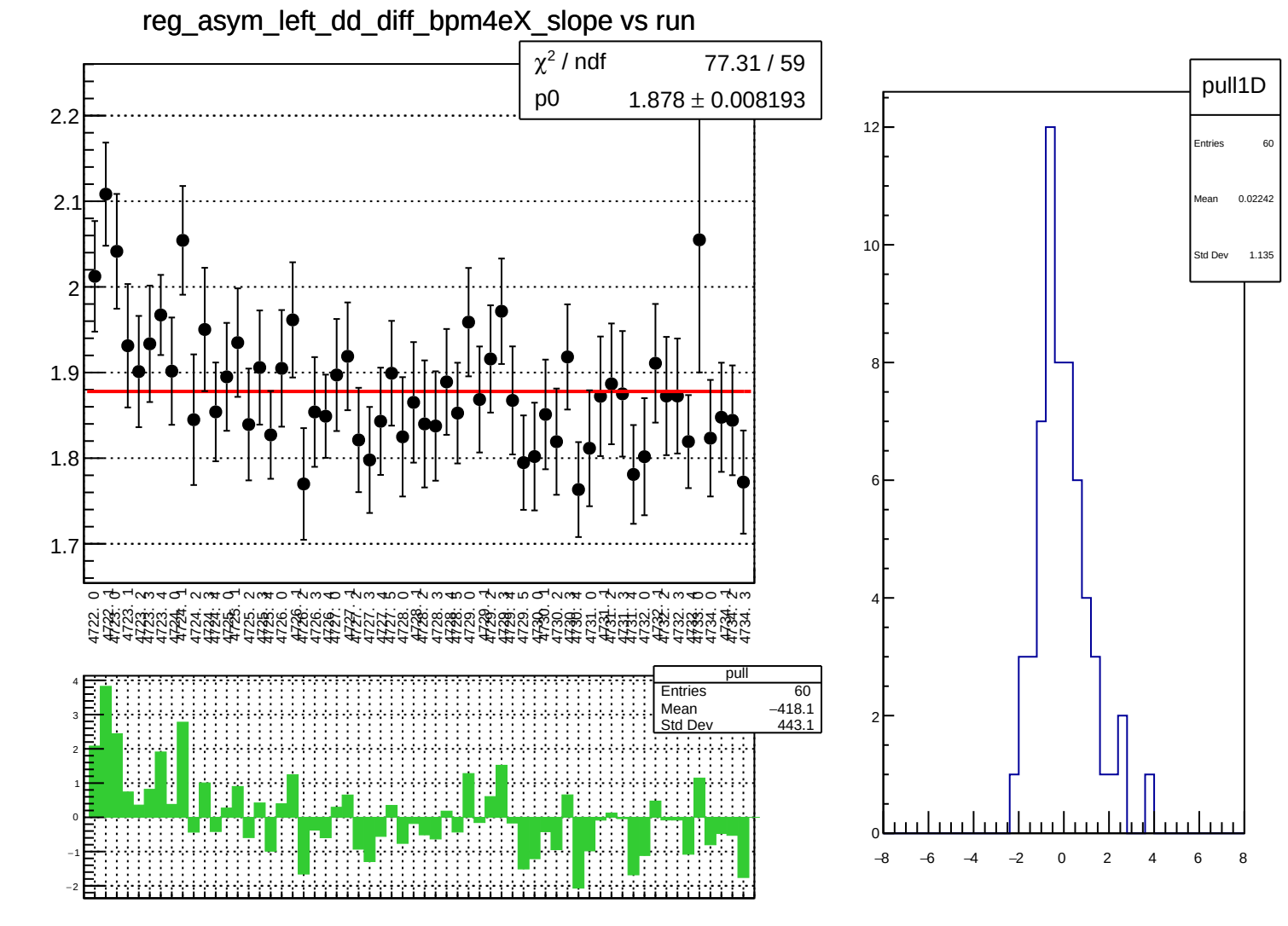

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 5.755 / 59
p0 −43.75 ± 0.1743
pull
Entries 60
Mean −221.1
Std Dev 245.7
pull1D
Entries 60
Mean 0.009792
Std Dev 0.3096

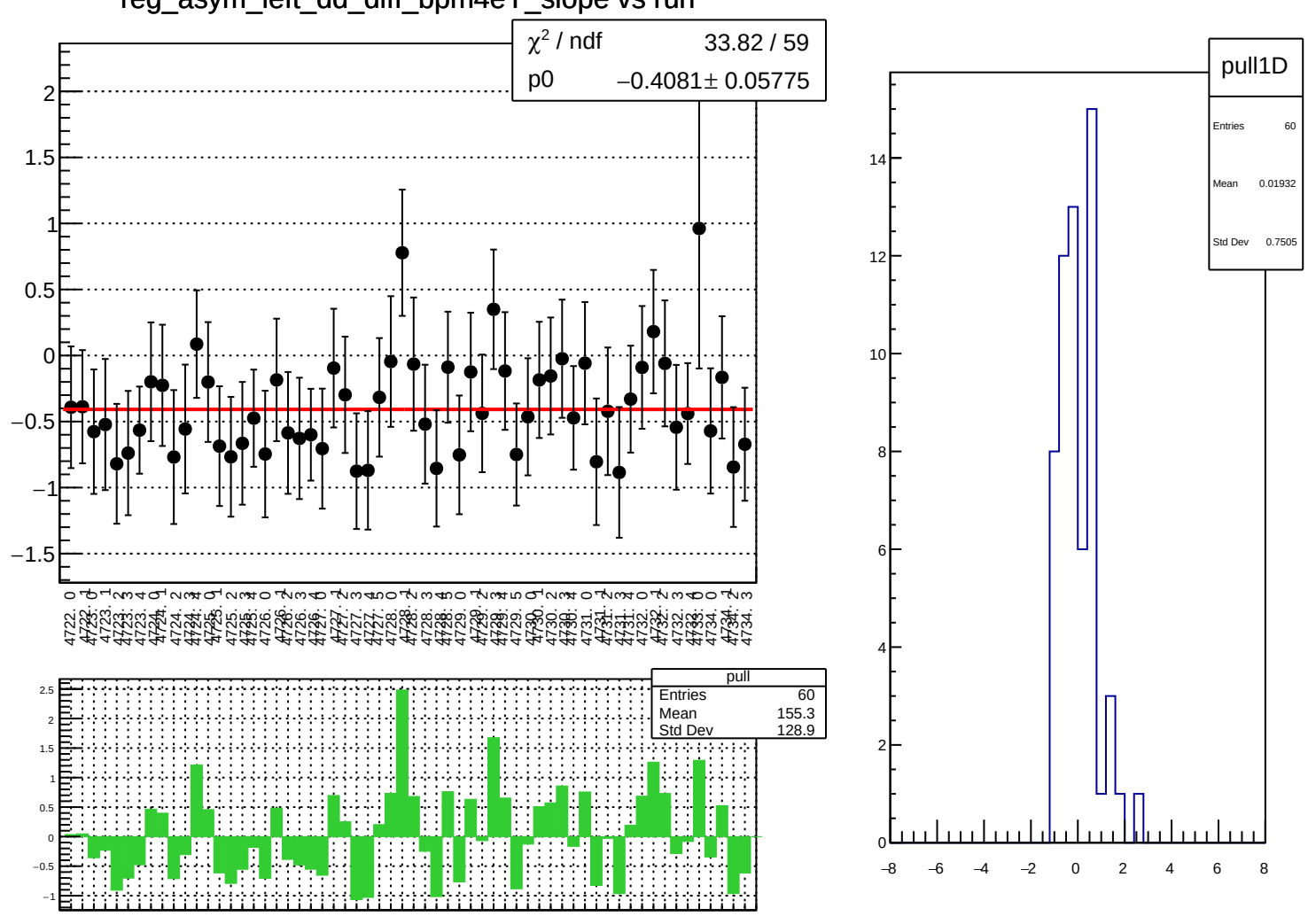

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 52.38 / 59
p0 −0.4476 ± 0.04635
pull
Entries 60
Mean 123
Std Dev 83.98

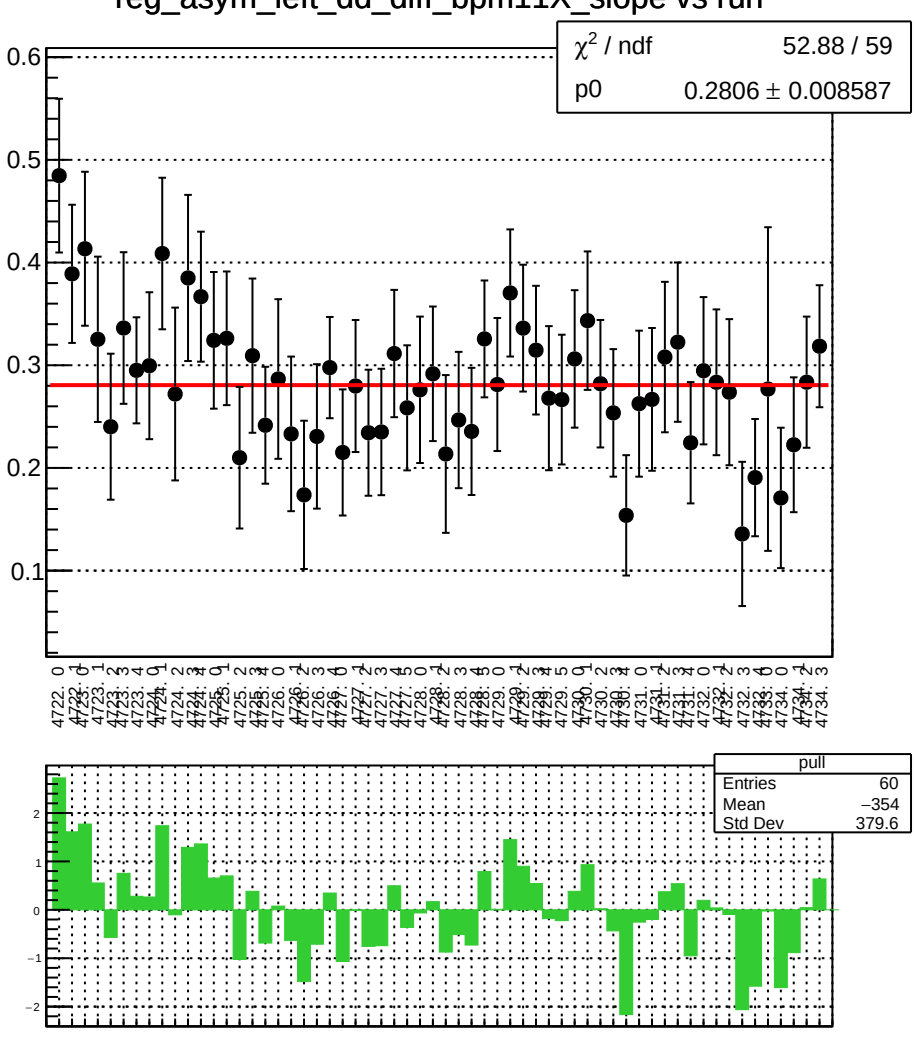

pull1D
Entries 60
Mean −0.01157
Std Dev 0.9343

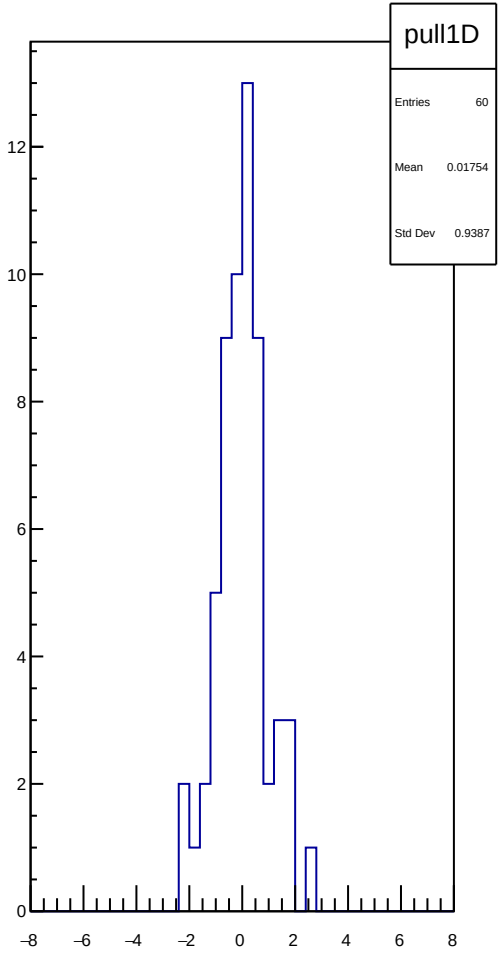

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.36 / 59
p0 0.5266 ± 0.04397
pull
Entries 60
Mean 503
Std Dev 479.4

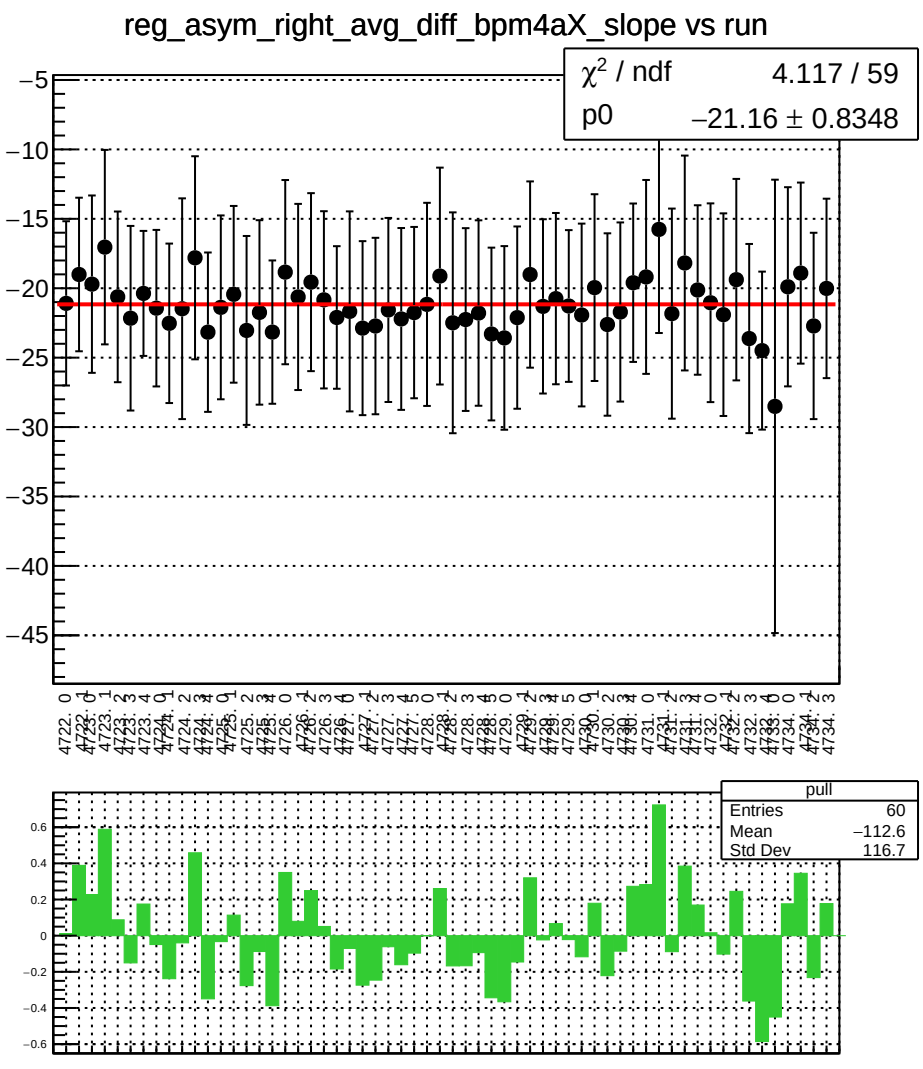

pull1D
Entries 60
Mean −0.007076
Std Dev 0.8302

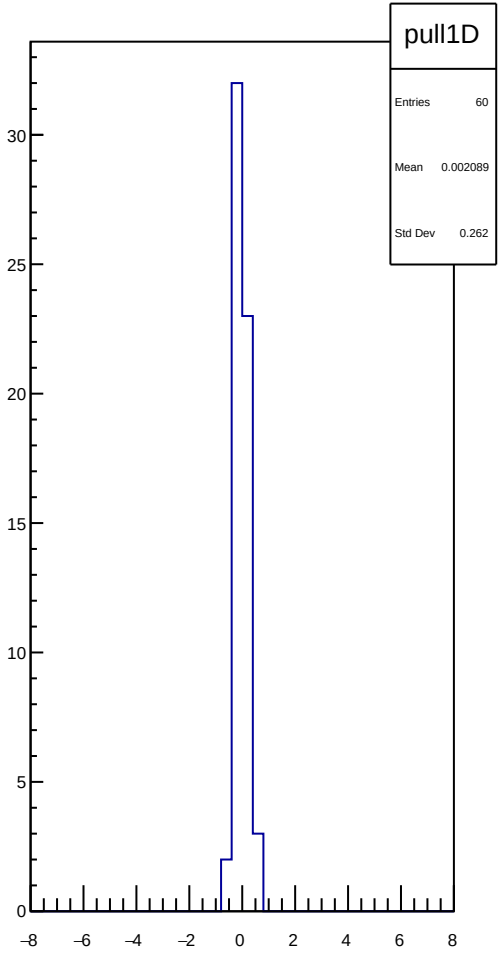

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.31 / 59
p0 1.878 ± 0.008193
pull
Entries 60
Mean −418.1
Std Dev 443.1
pull1D
Entries 60
Mean 0.02242
Std Dev 1.135

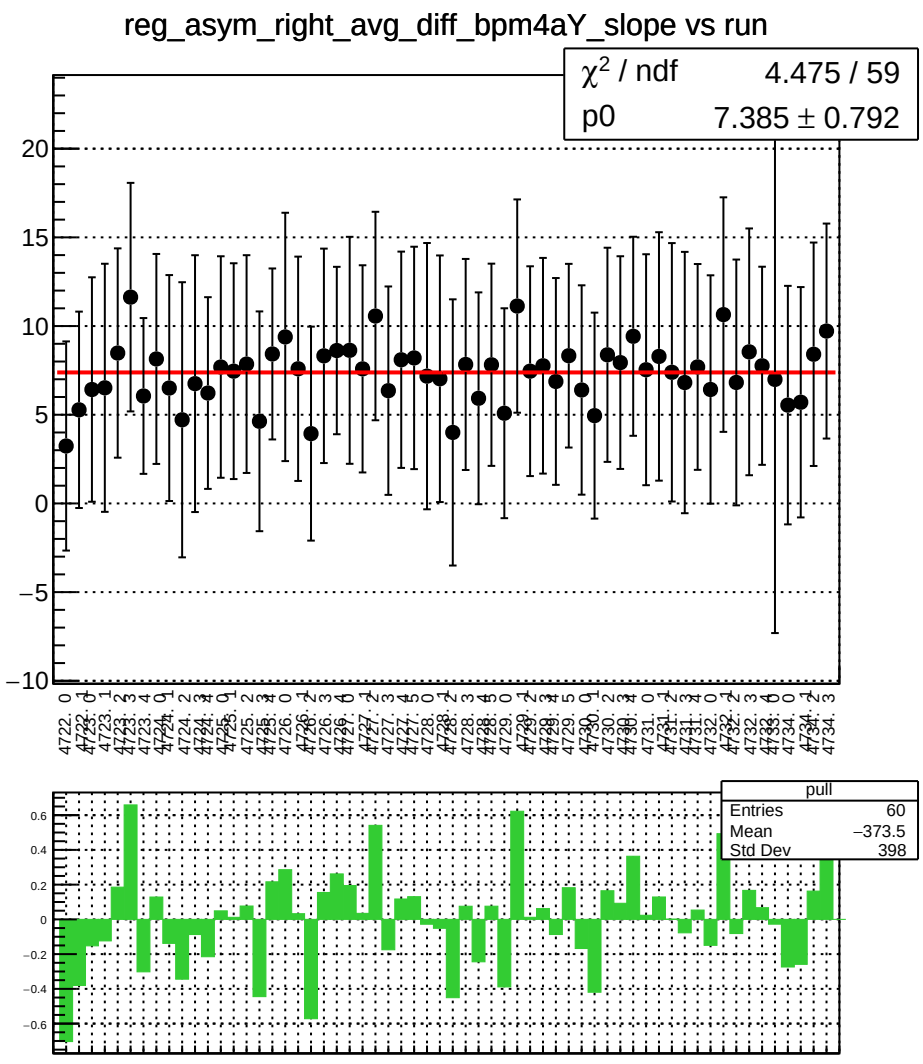

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.82 / 59
p0 −0.4081± 0.05775
pull
Entries 60
Mean 155.3
Std Dev 128.9
pull1D
Entries 60
Mean 0.01932
Std Dev 0.7505

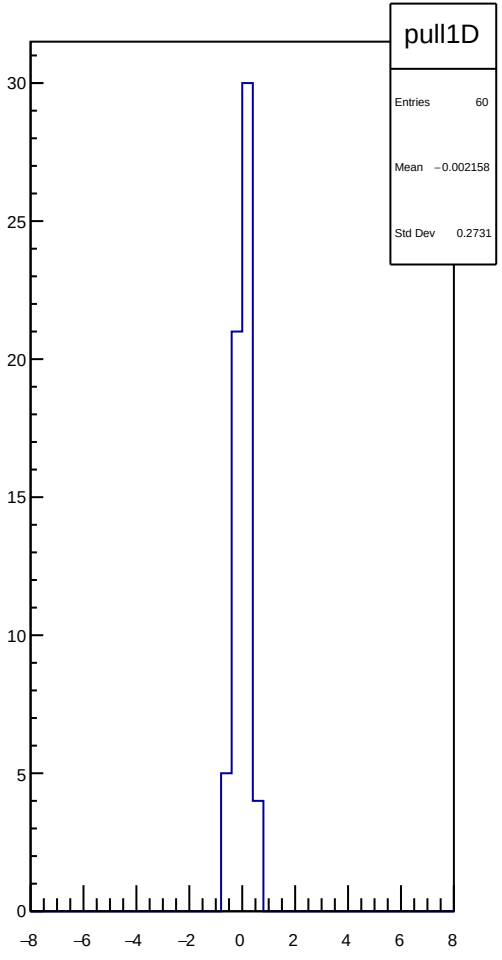

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 52.88 / 59
p0 0.2806 ± 0.008587
pull
Entries 60
Mean −354
Std Dev 379.6

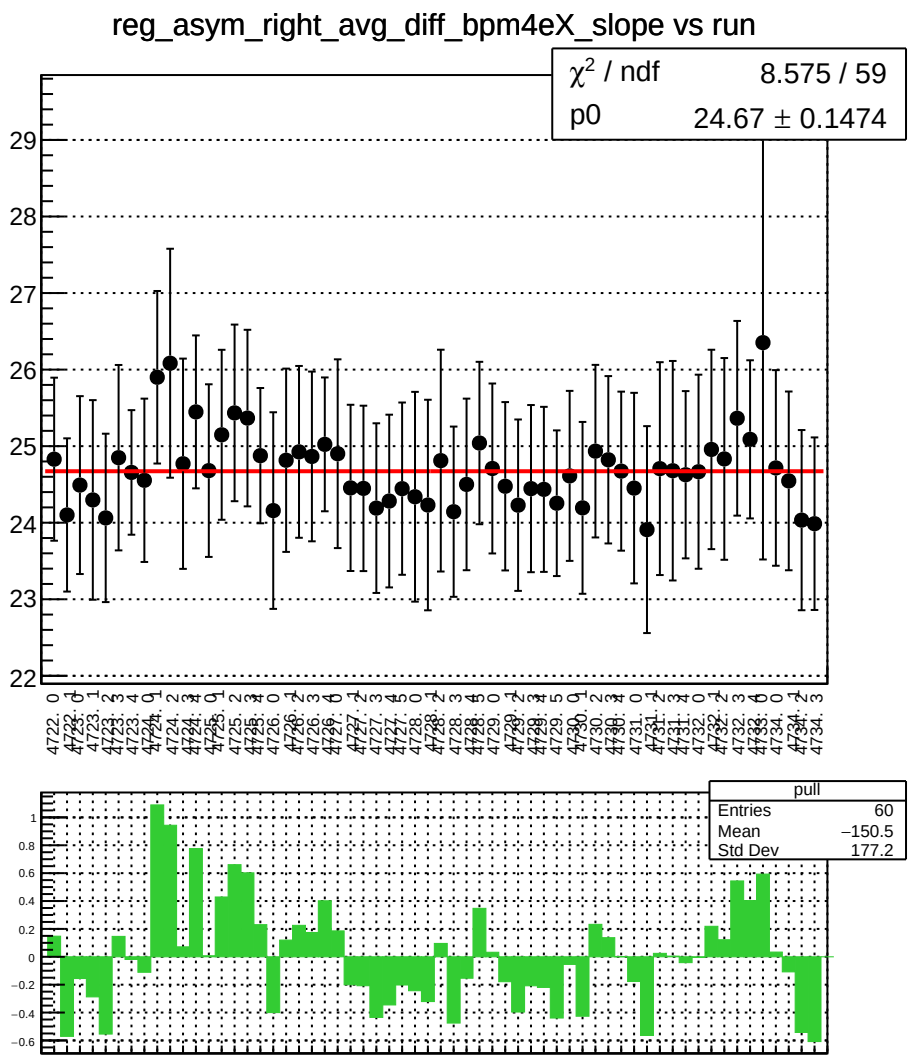

pull1D
Entries 60
Mean 0.01754
Std Dev 0.9387

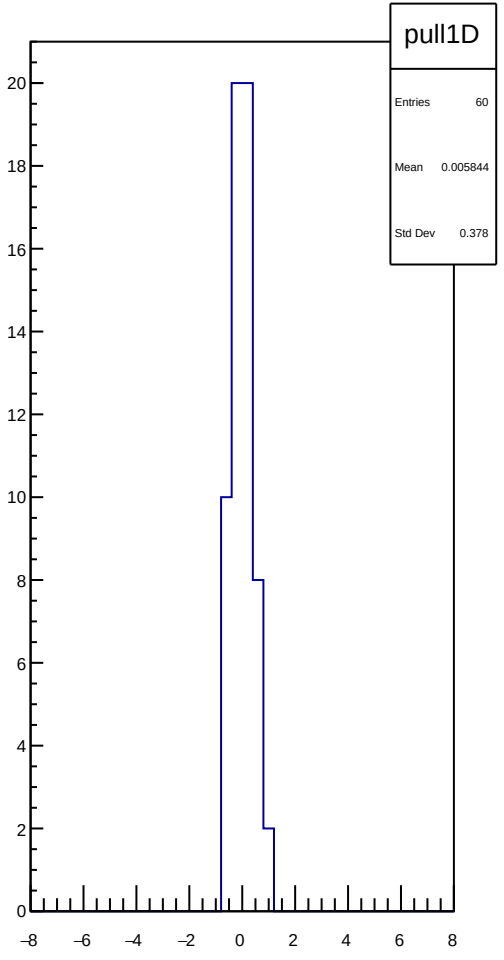

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.117 / 59
p0 −21.16 ± 0.8348
pull
Entries 60
Mean −112.6
Std Dev 116.7

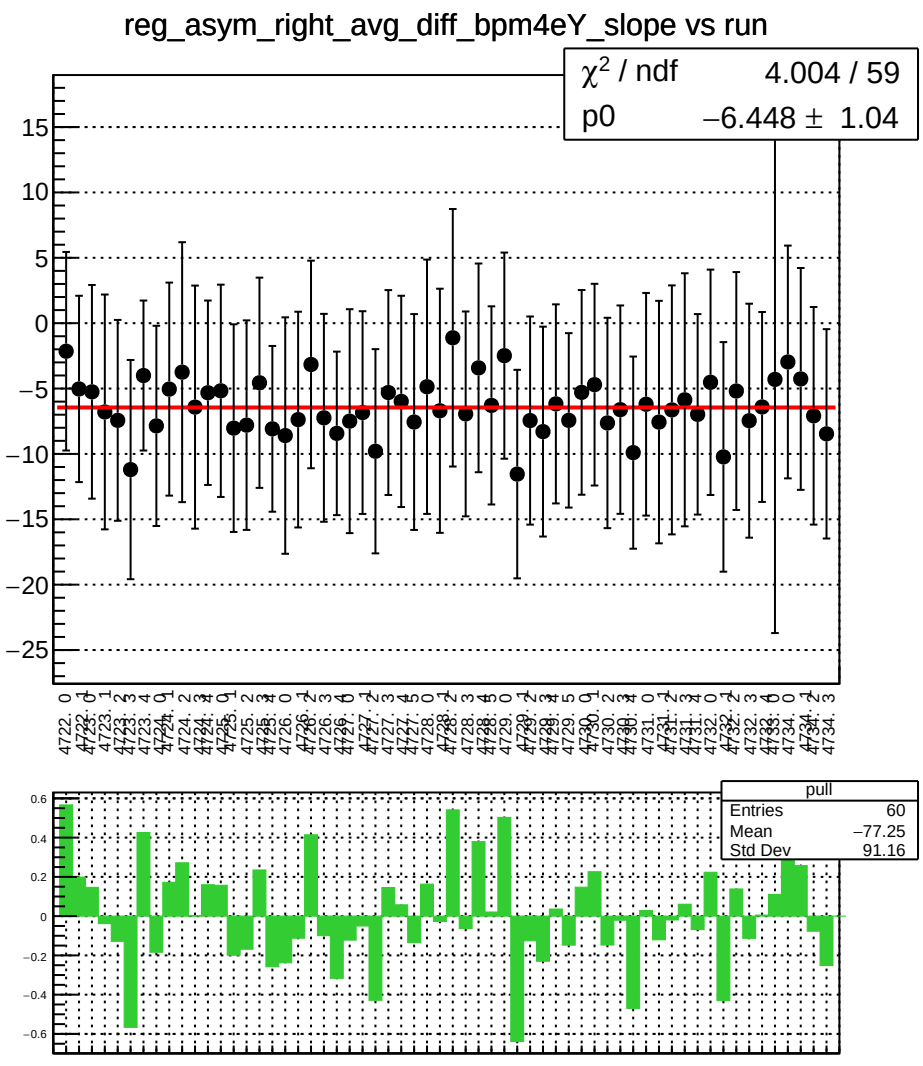

pull1D
Entries 60
Mean 0.002089
Std Dev 0.262

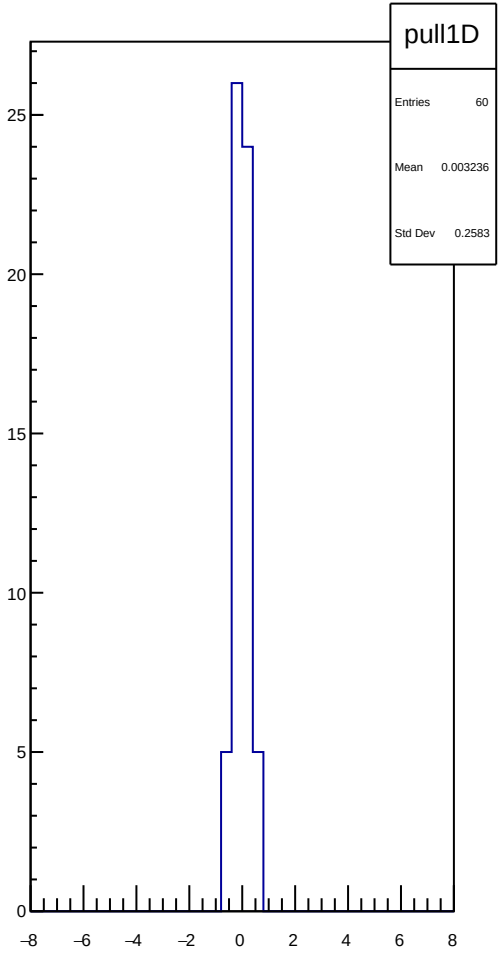

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.475 / 59
p0 7.385 ± 0.792
pull
Entries 60
Mean −373.5
Std Dev 398

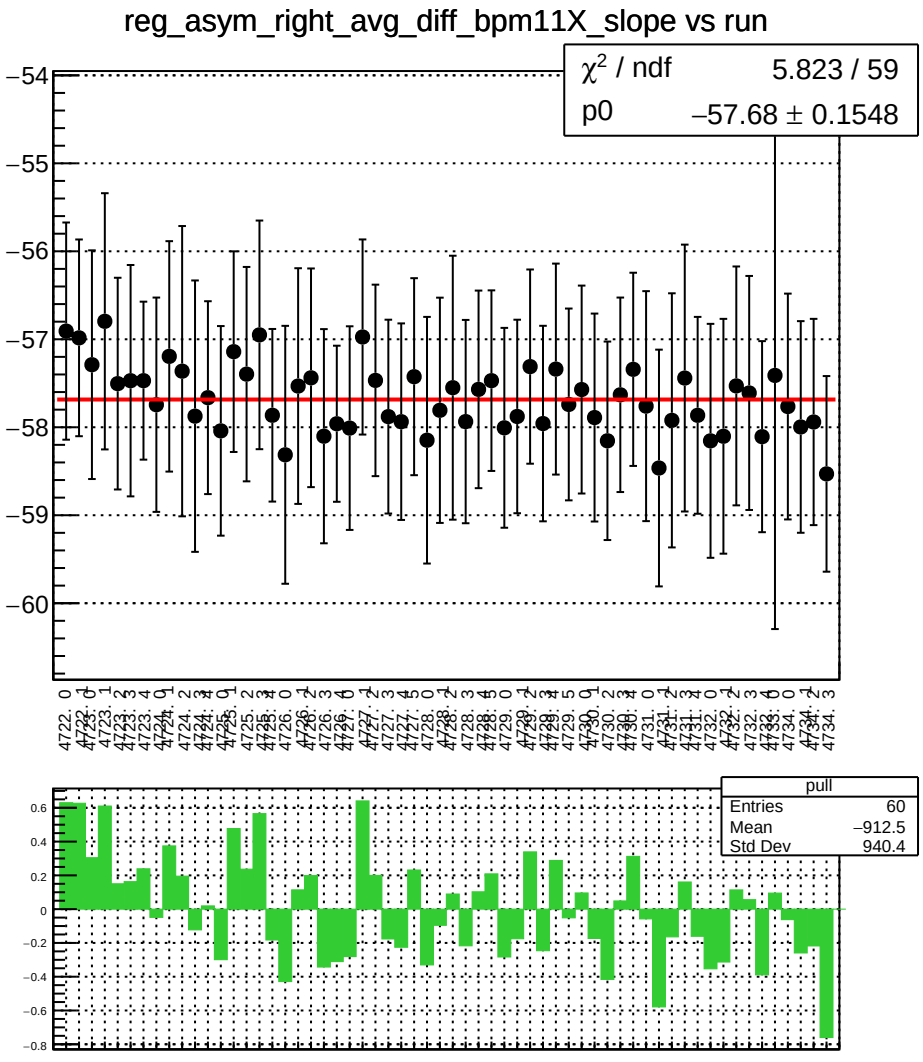

pull1D
Entries 60
Mean −0.002158
Std Dev 0.2731

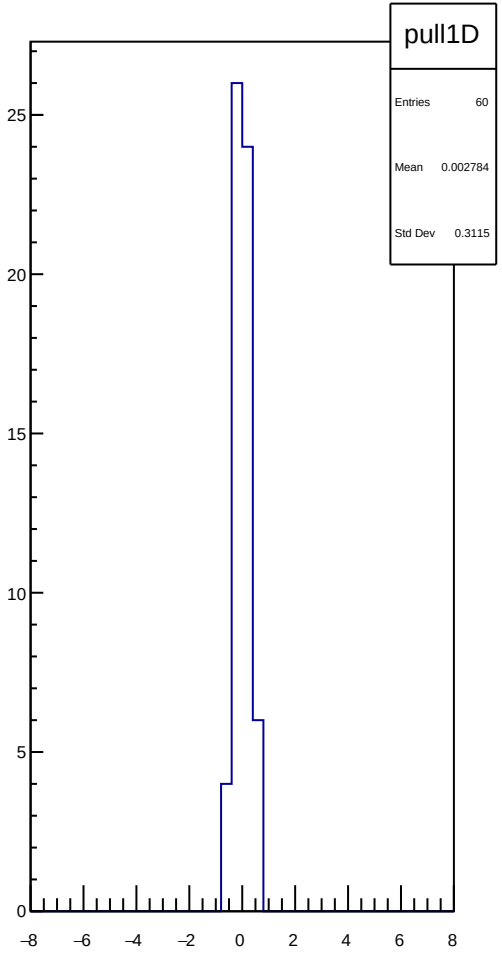

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.575 / 59
p0 24.67 ± 0.1474
pull
Entries 60
Mean −150.5
Std Dev 177.2

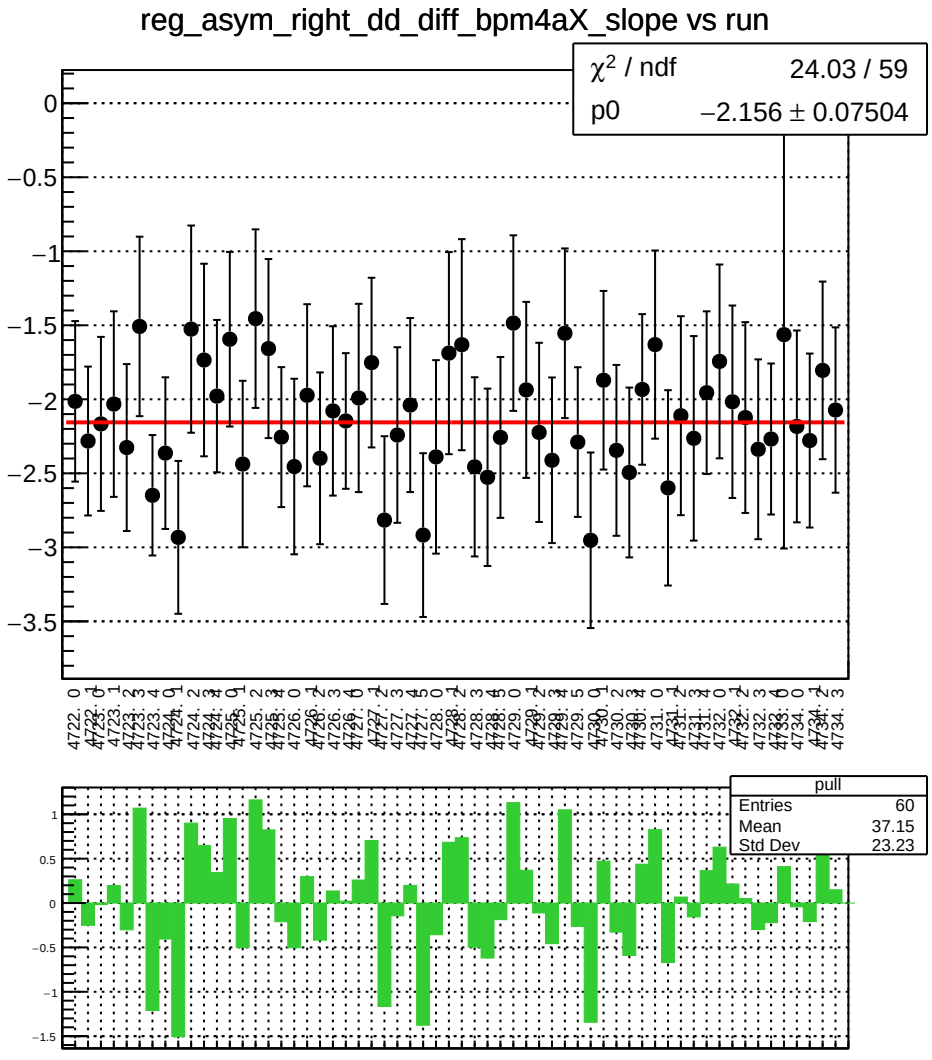

pull1D
Entries 60
Mean 0.005844
Std Dev 0.378

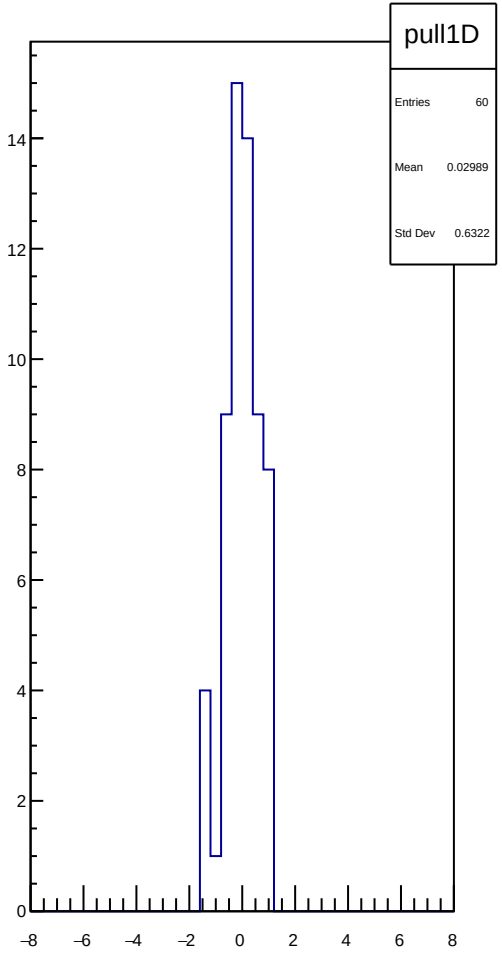

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.004 / 59
p0 −6.448 ± 1.04
pull
Entries 60
Mean −77.25
Std Dev 91.16

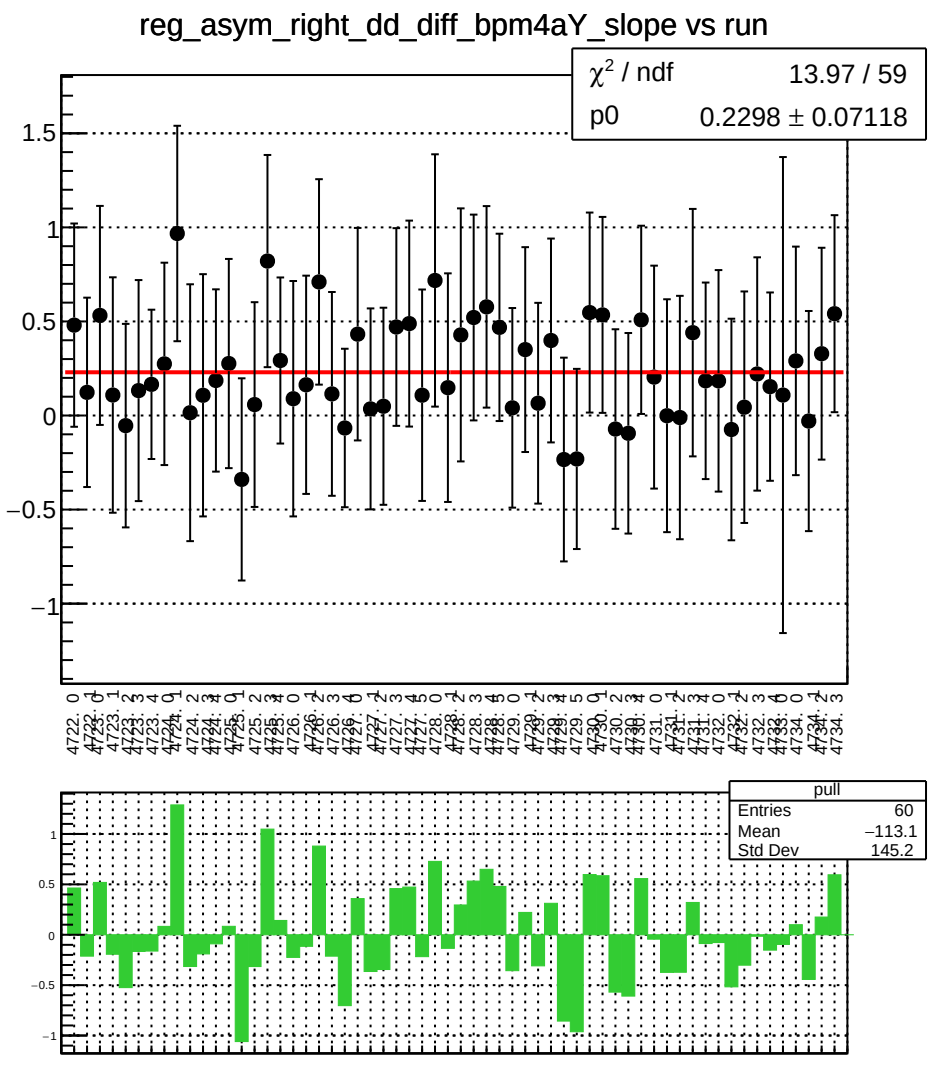

pull1D
Entries 60
Mean 0.003236
Std Dev 0.2583

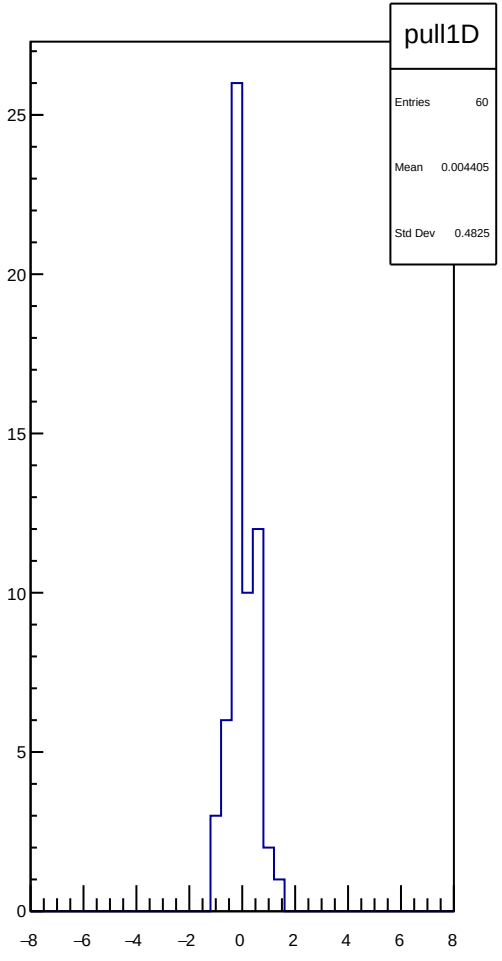

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 5.823 / 59
p0 −57.68 ± 0.1548
pull
Entries 60
Mean −912.5
Std Dev 940.4

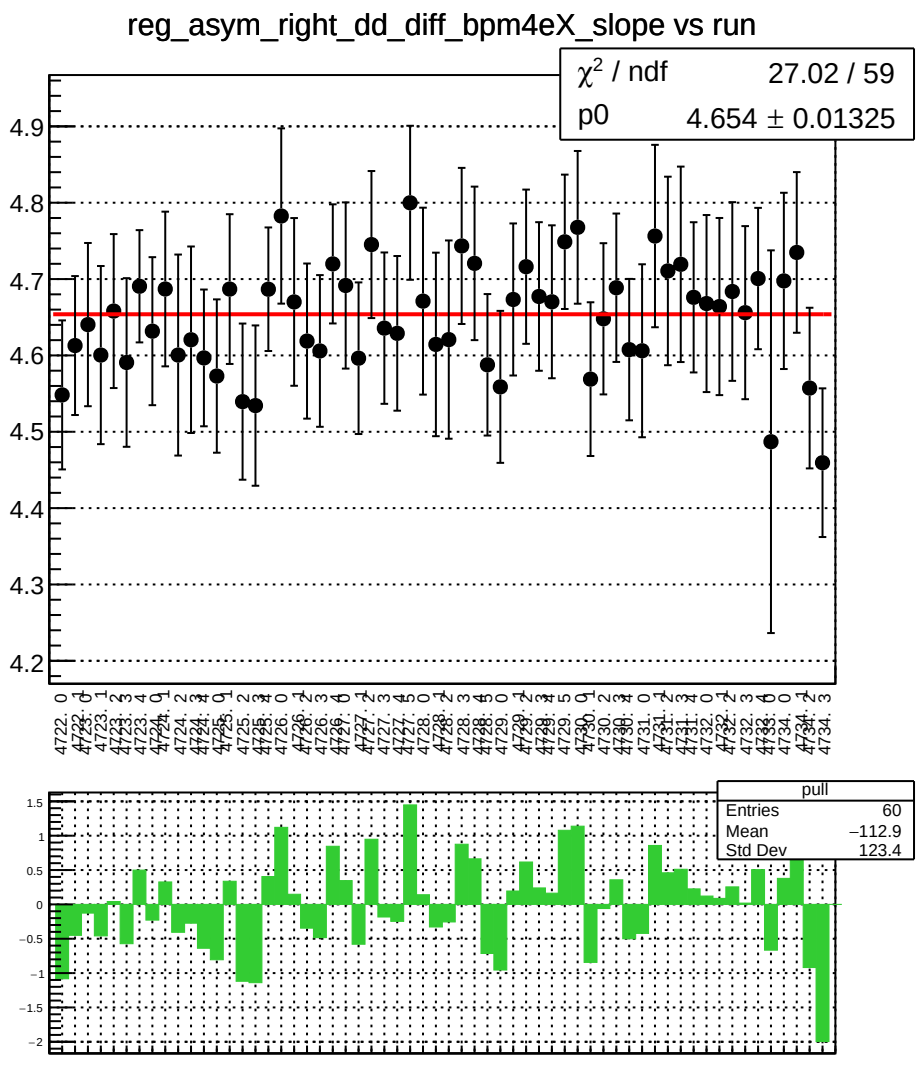

pull1D
Entries 60
Mean 0.002784
Std Dev 0.3115

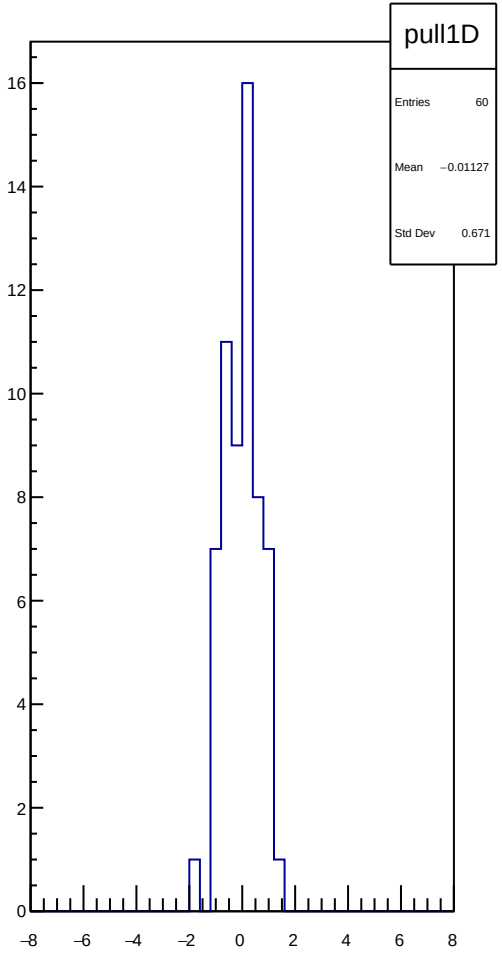

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.03 / 59
p0 −2.156 ± 0.07504
pull
Entries 60
Mean 37.15
Std Dev 23.23

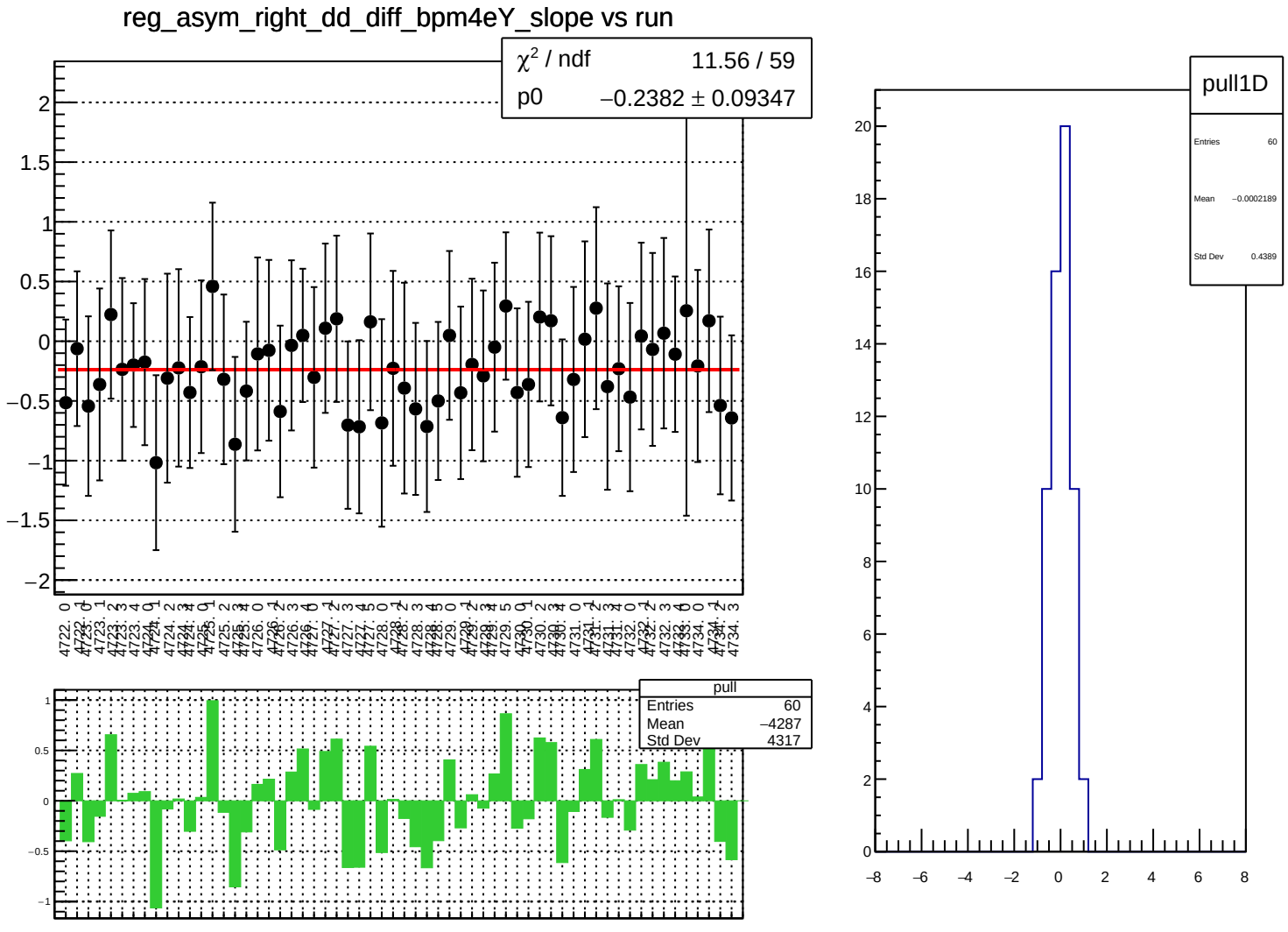

pull1D
Entries 60
Mean 0.02989
Std Dev 0.6322

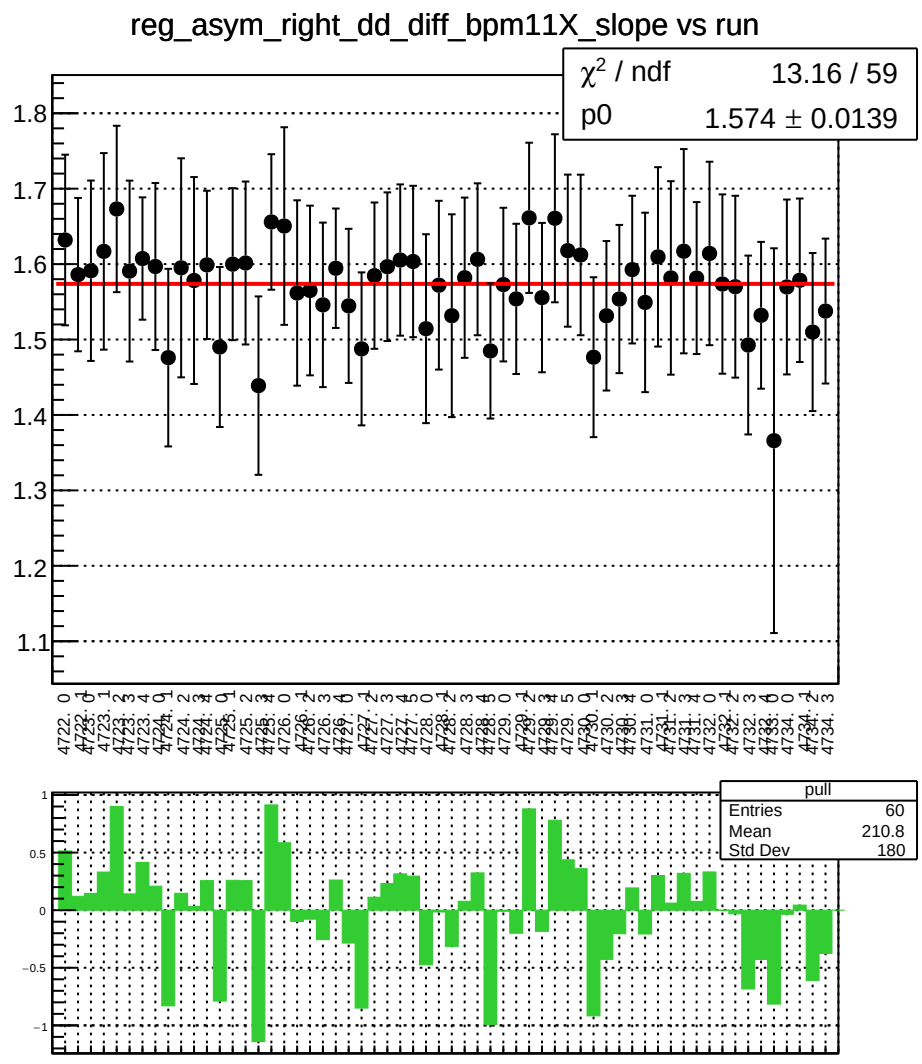

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.97 / 59
p0 0.2298 ± 0.07118
pull
Entries 60
Mean −113.1
Std Dev 145.2

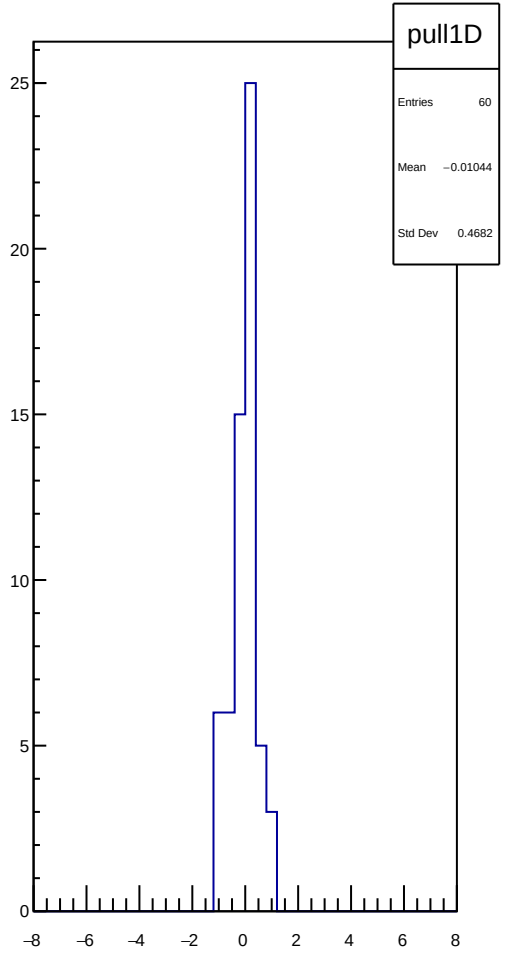

pull1D
Entries 60
Mean 0.004405
Std Dev 0.4825

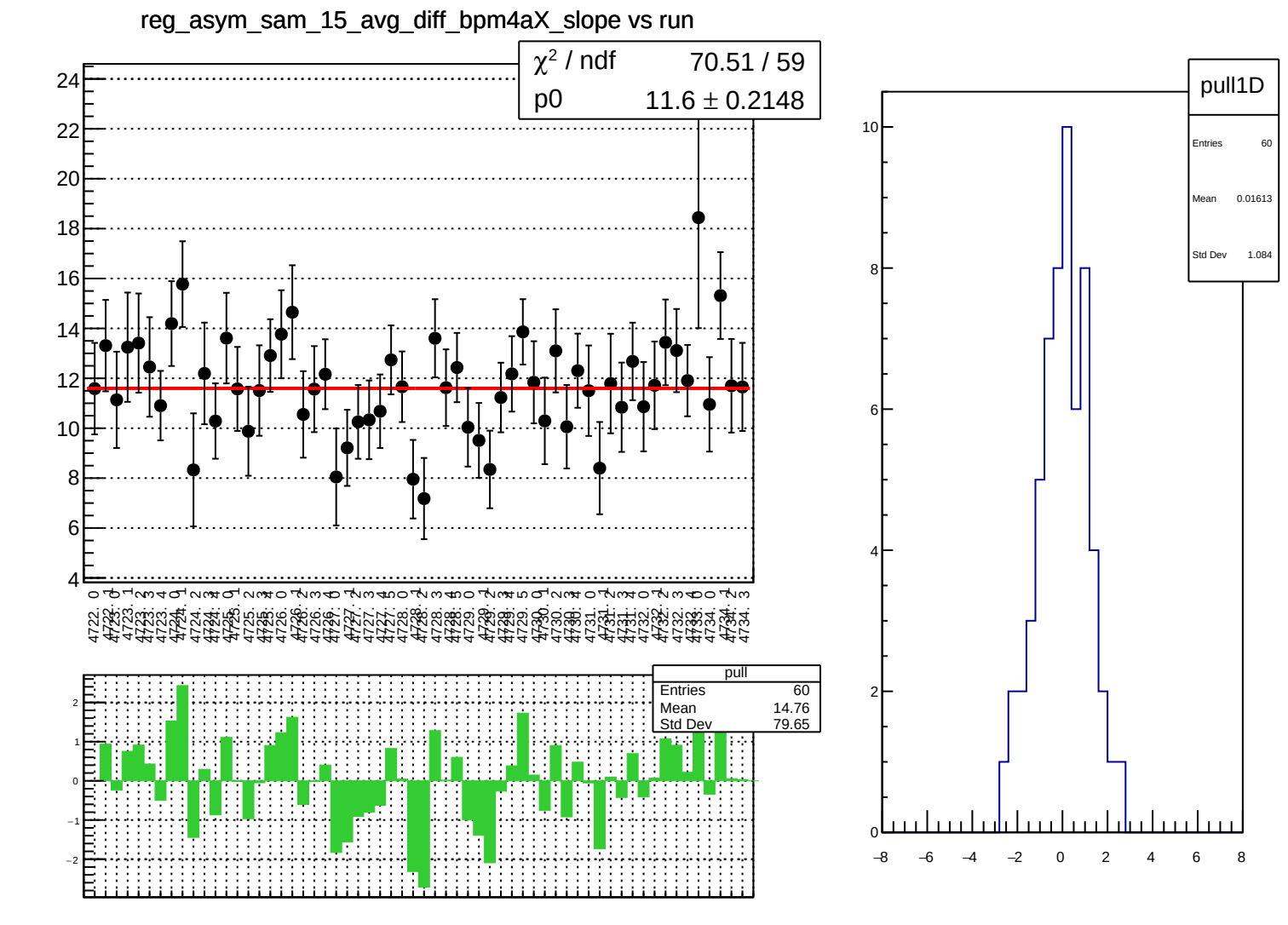

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.02 / 59
p0 4.654 ± 0.01325
pull
Entries 60
Mean −112.9
Std Dev 123.4

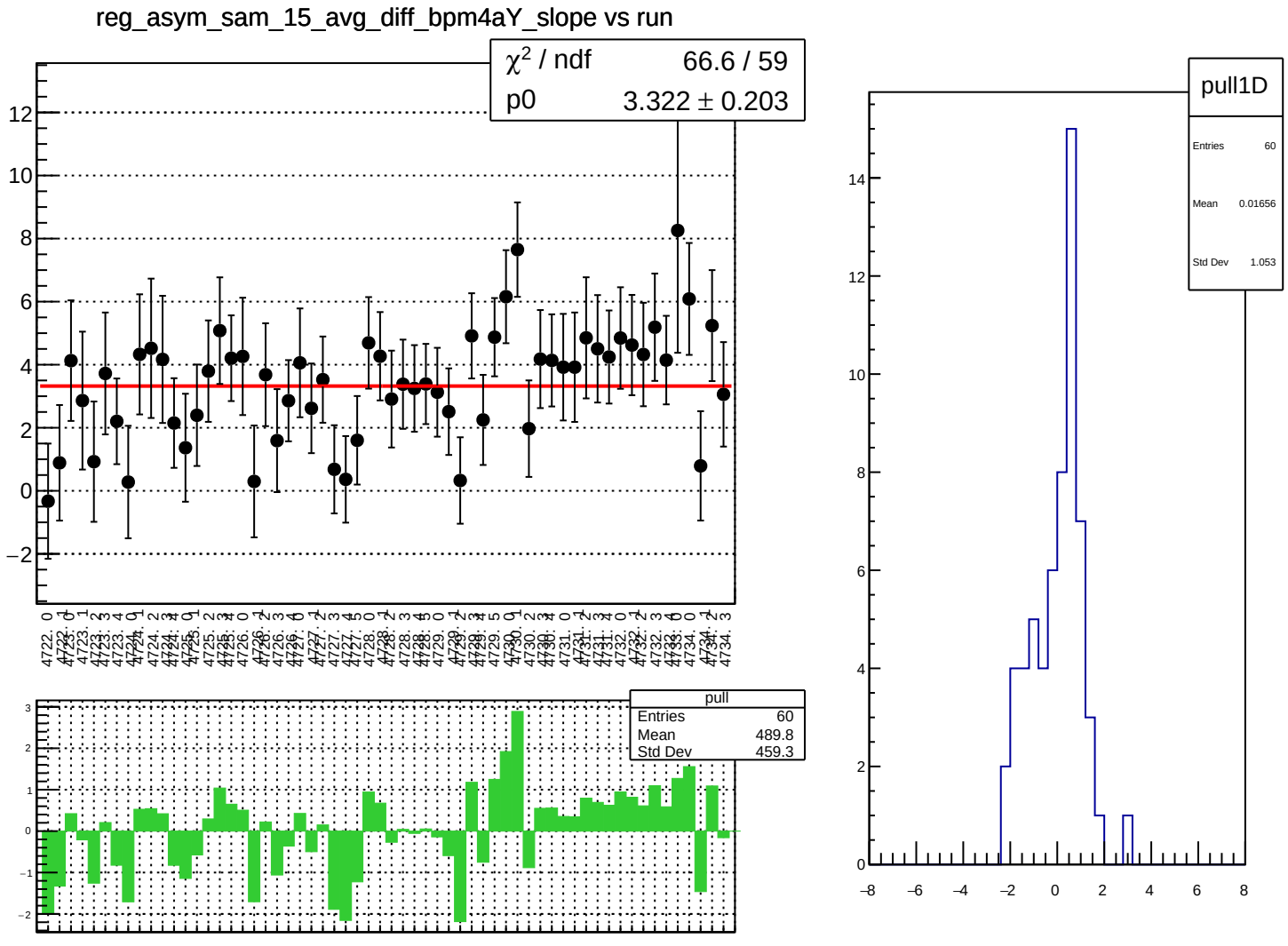

pull1D
Entries 60
Mean −0.01127
Std Dev 0.671

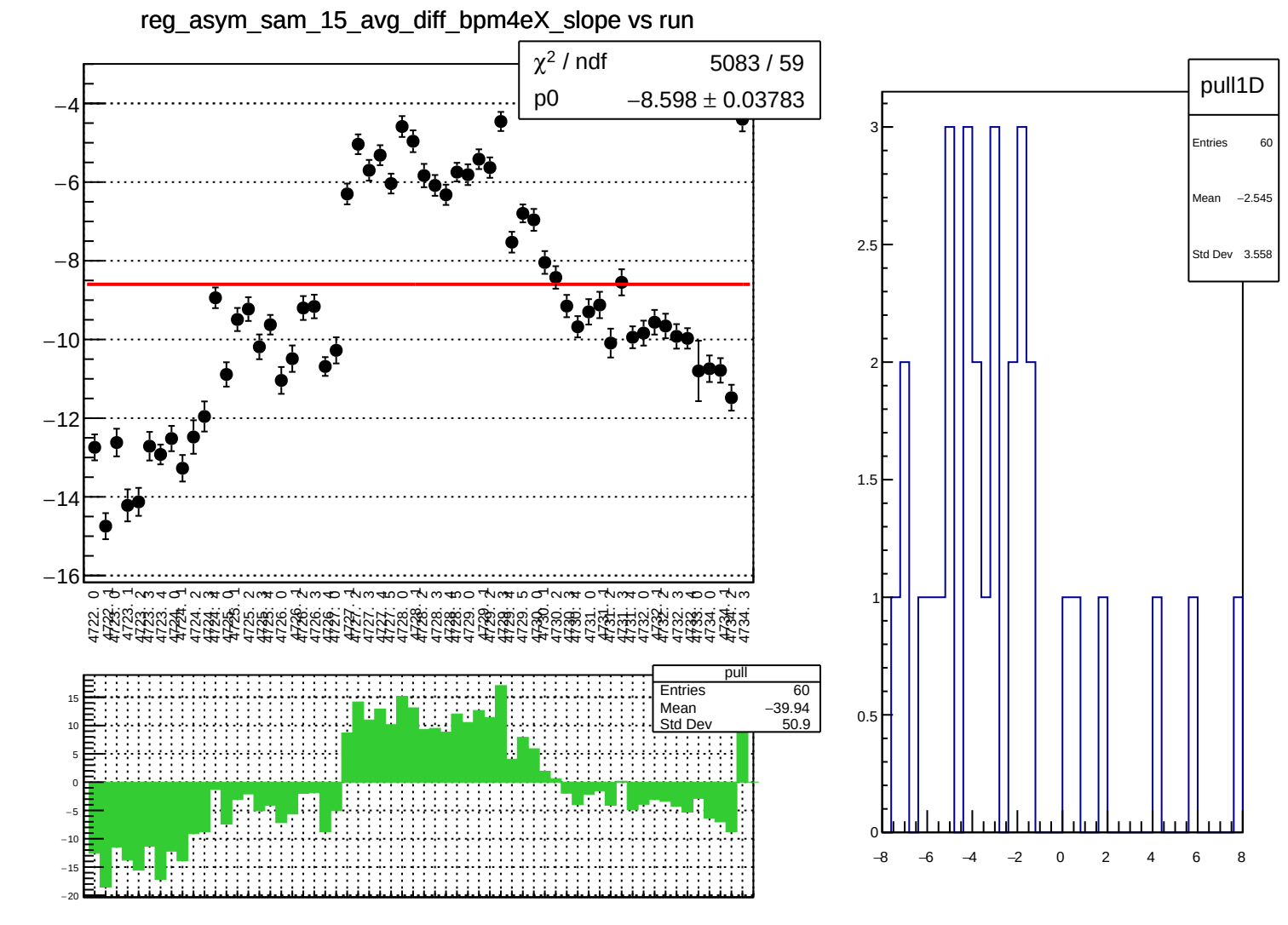

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.56 / 59
p0 −0.2382 ± 0.09347
pull
Entries 60
Mean −4287
Std Dev 4317
pull1D
Entries 60
Mean −0.0002189
Std Dev 0.4389

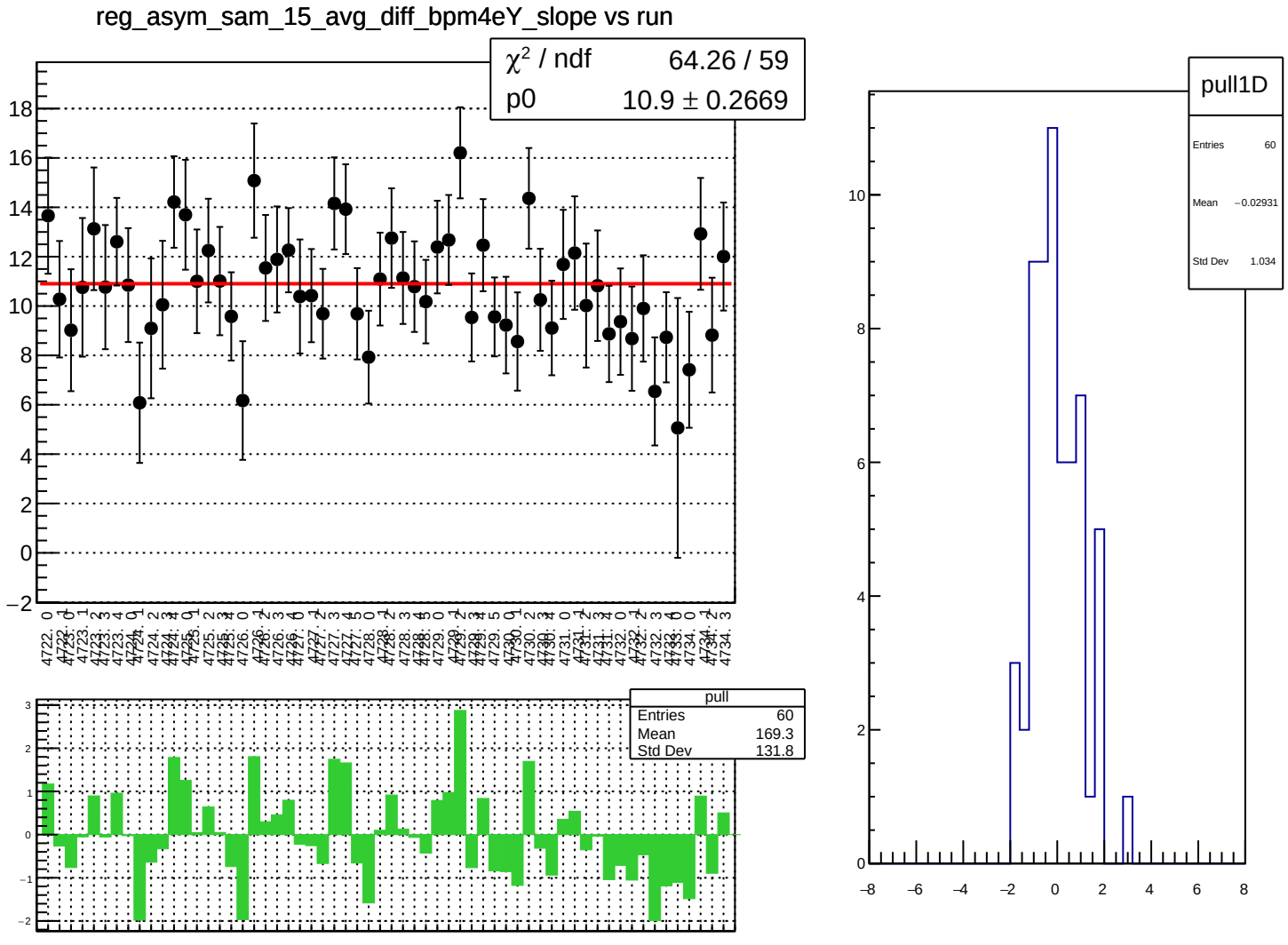

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 13.16 / 59
p0 1.574 ± 0.0139
pull
Entries 60
Mean 210.8
Std Dev 180

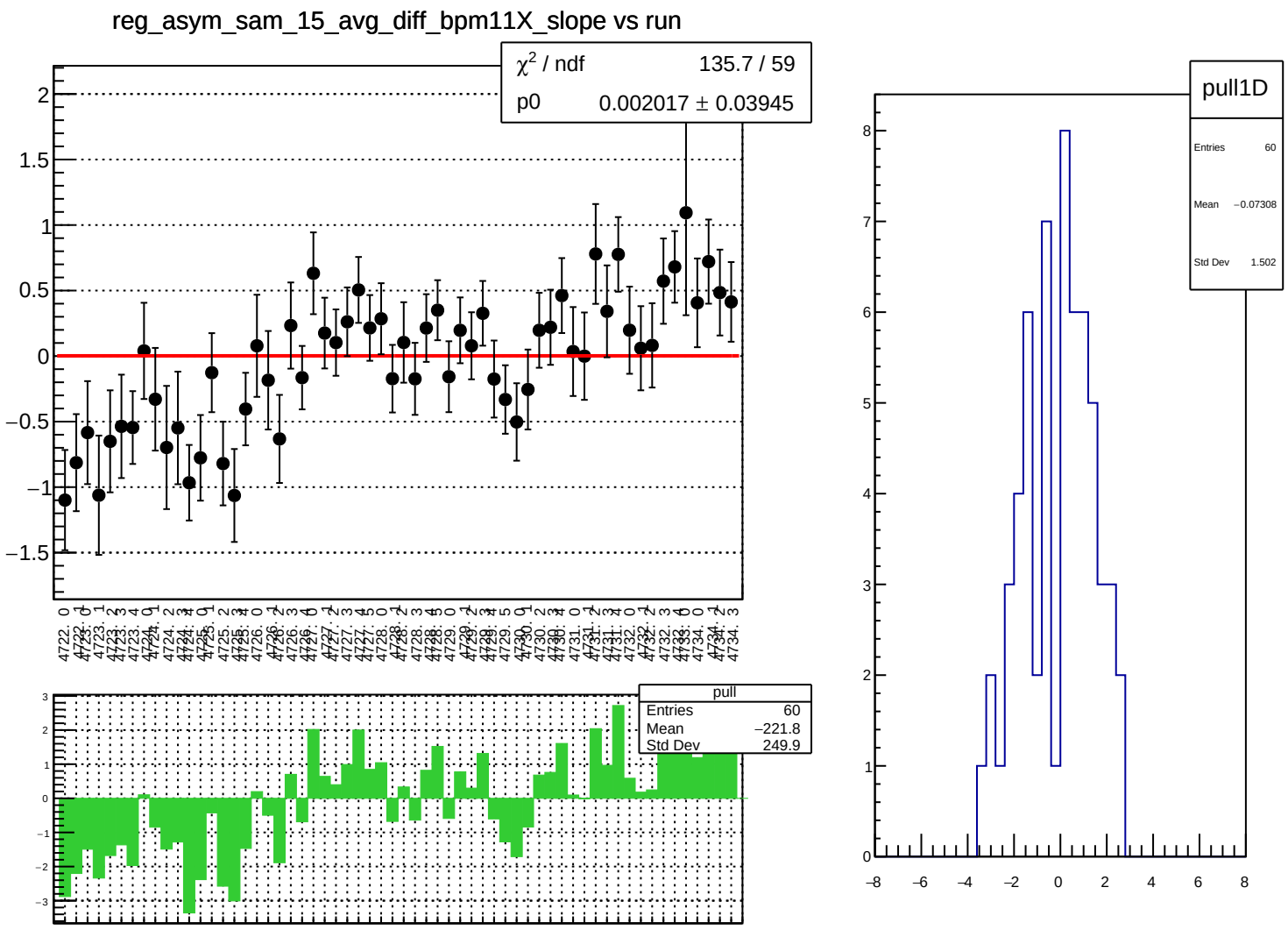

pull1D
Entries 60
Mean −0.01044
Std Dev 0.4682

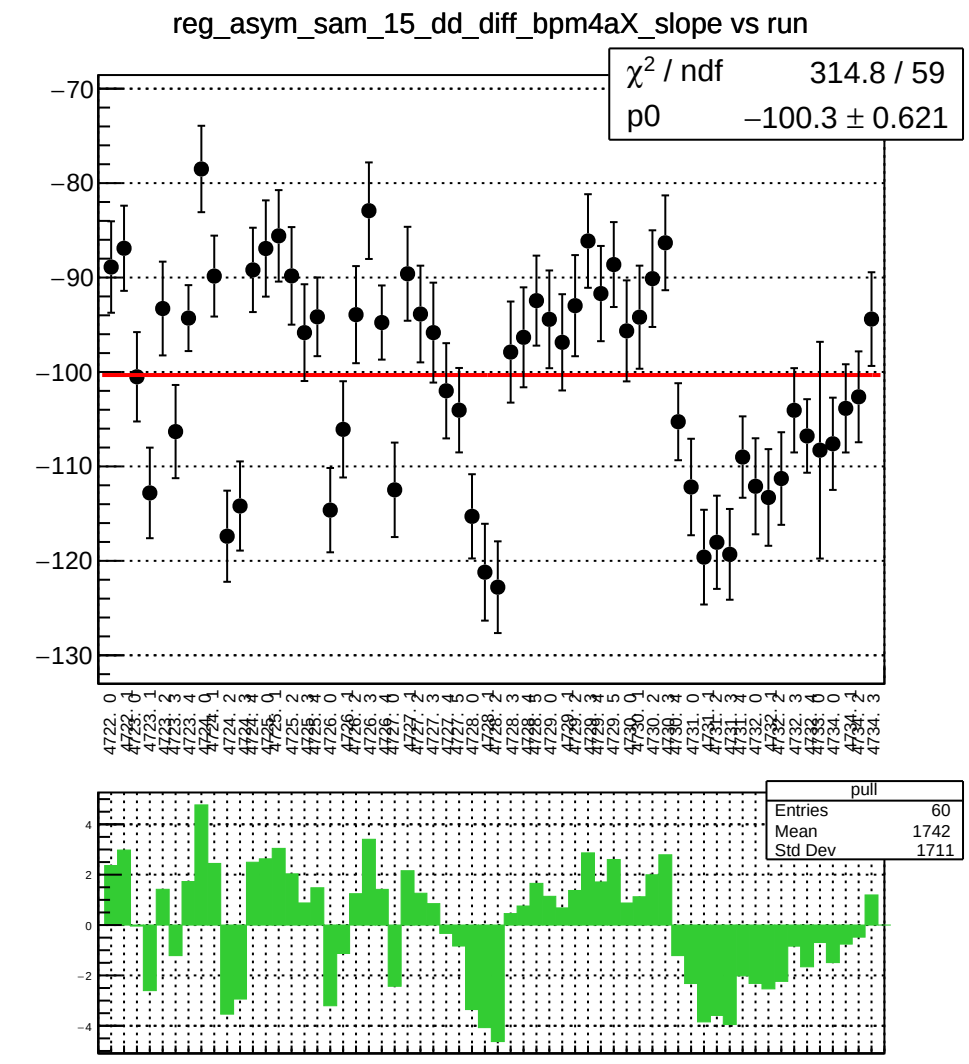

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 70.51 / 59
p0 11.6 ± 0.2148
pull
Entries 60
Mean 14.76
Std Dev 79.65
pull1D
Entries 60
Mean 0.01613
Std Dev 1.084

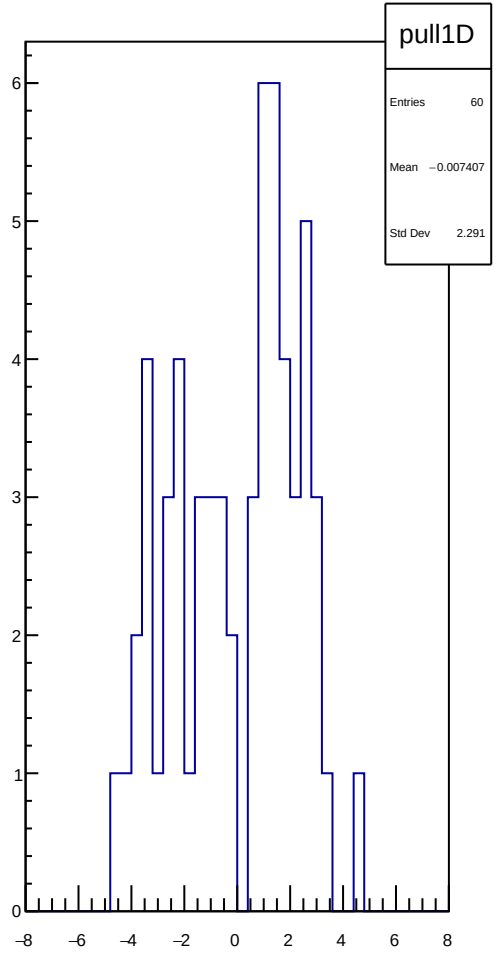

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.6 / 59
p0 3.322 ± 0.203
pull
Entries 60
Mean 489.8
Std Dev 459.3
pull1D
Entries 60
Mean 0.01656
Std Dev 1.053

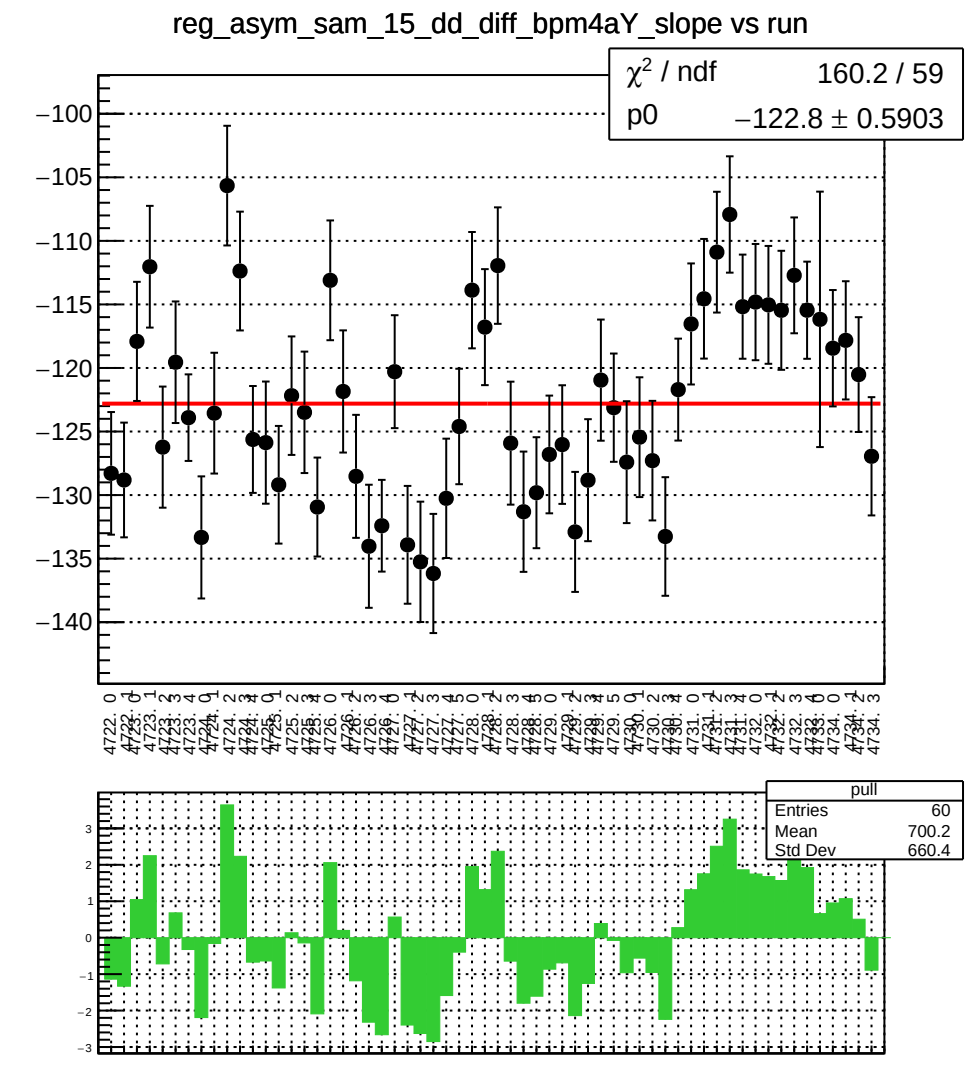

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5083 / 59
p0 −8.598 ± 0.03783
pull
Entries 60
Mean −39.94
Std Dev 50.9
pull1D
Entries 60
Mean −2.545
Std Dev 3.558

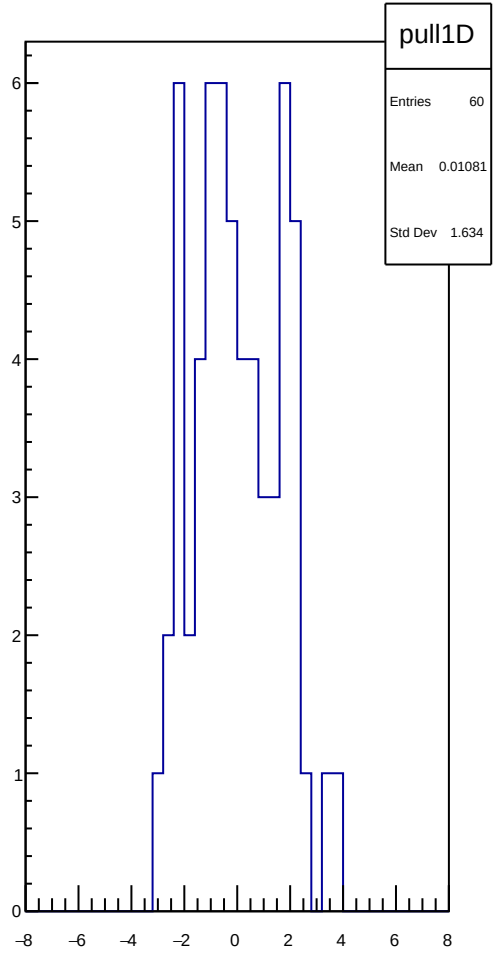

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.26 / 59
p0 10.9 ± 0.2669
pull
Entries 60
Mean 169.3
Std Dev 131.8
pull1D
Entries 60
Mean −0.02931
Std Dev 1.034

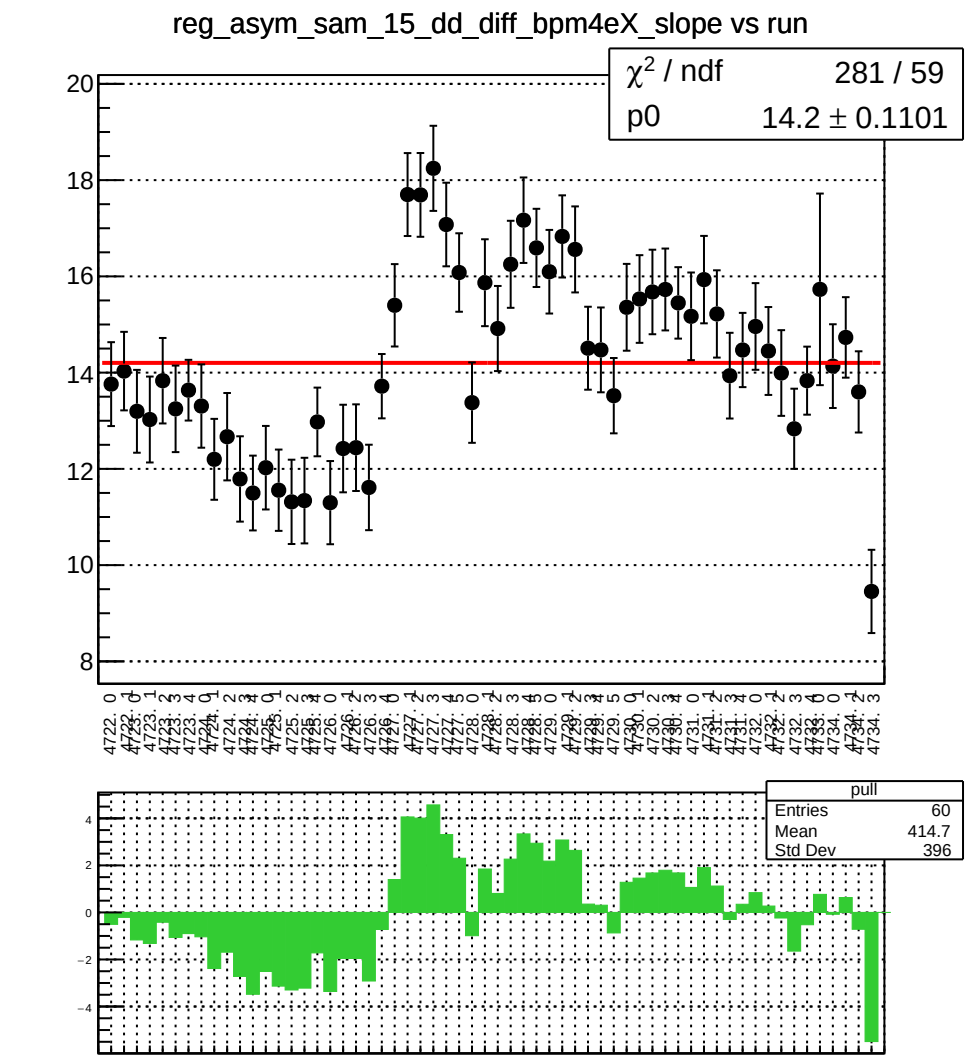

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 135.7 / 59
p0 0.002017 ± 0.03945
pull
Entries 60
Mean −221.8
Std Dev 249.9
pull1D
Entries 60
Mean −0.07308
Std Dev 1.502

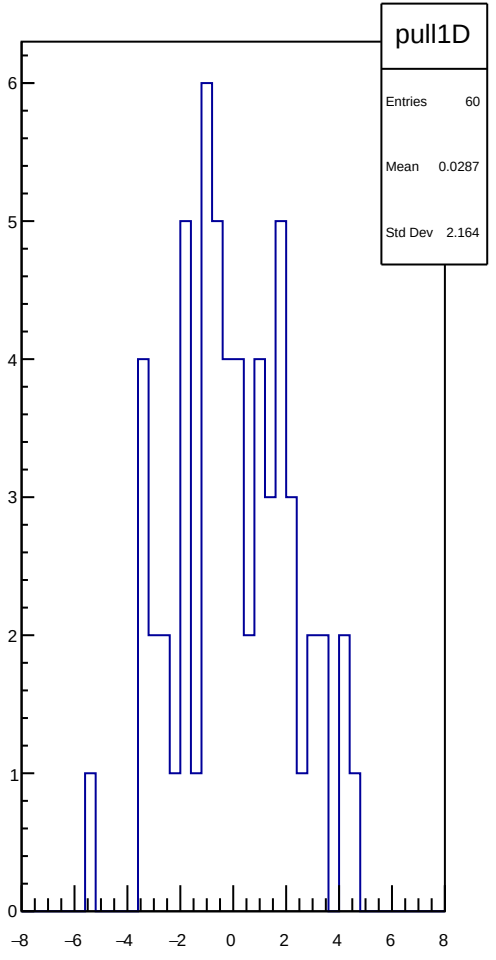

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 314.8 / 59
p0 −100.3 ± 0.621
pull
Entries 60
Mean 1742
Std Dev 1711

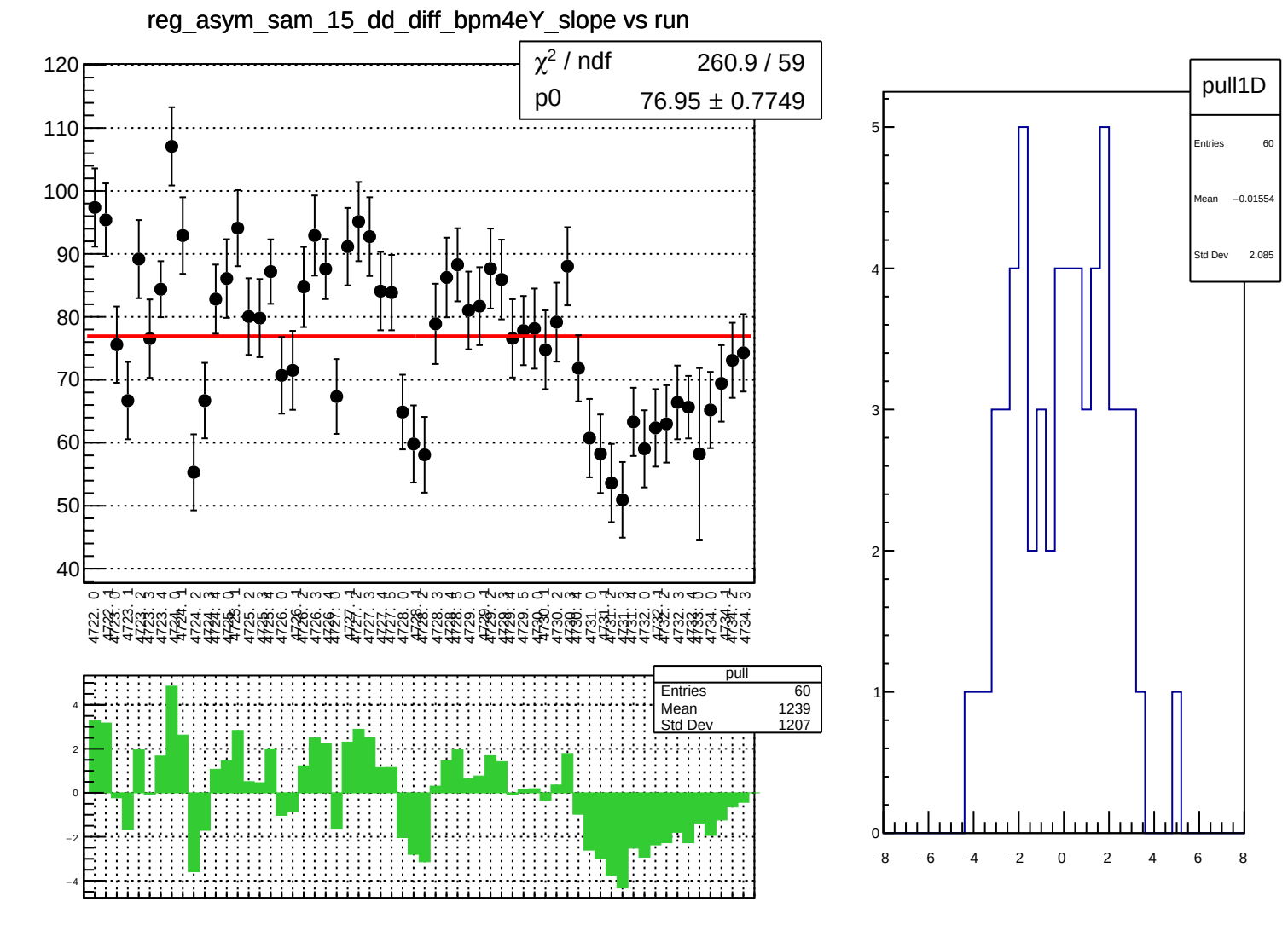

pull1D
Entries 60
Mean −0.007407
Std Dev 2.291

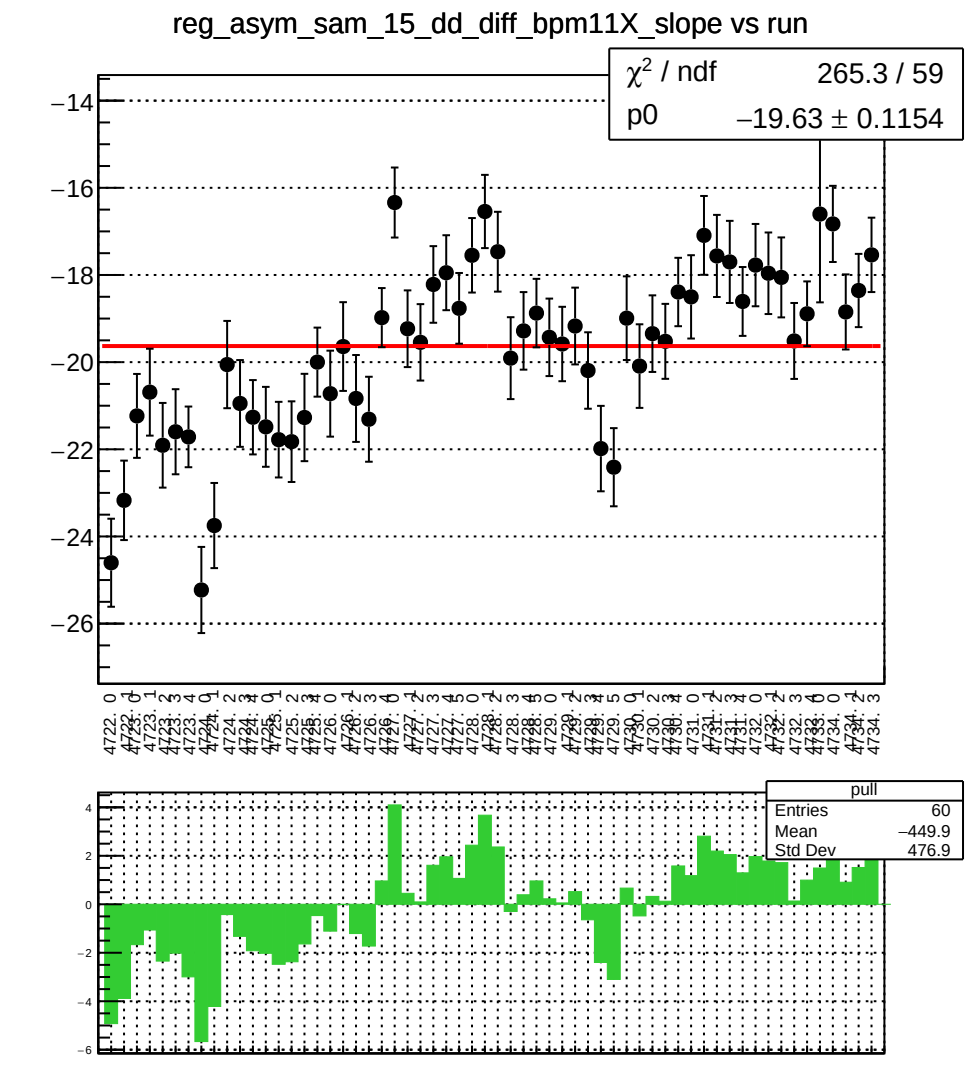

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 160.2 / 59
p0 −122.8 ± 0.5903
pull
Entries 60
Mean 700.2
Std Dev 660.4

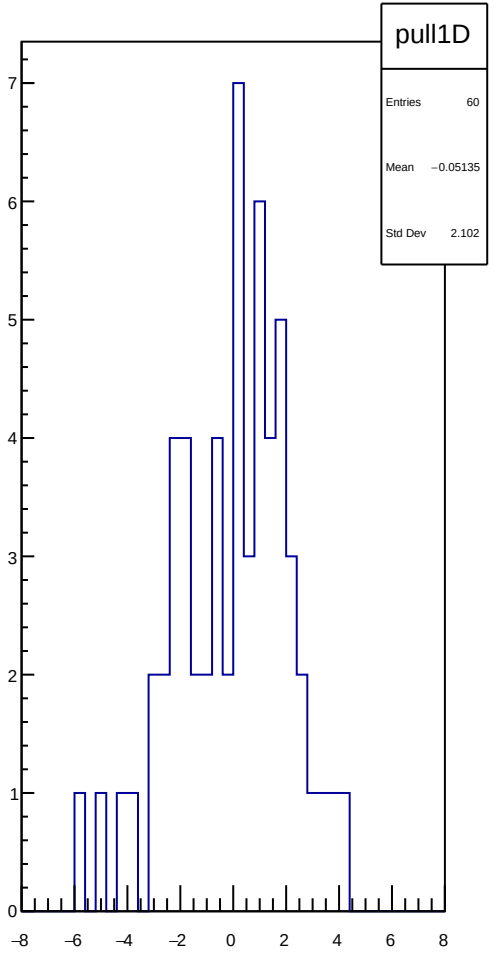

pull1D
Entries 60
Mean 0.01081
Std Dev 1.634

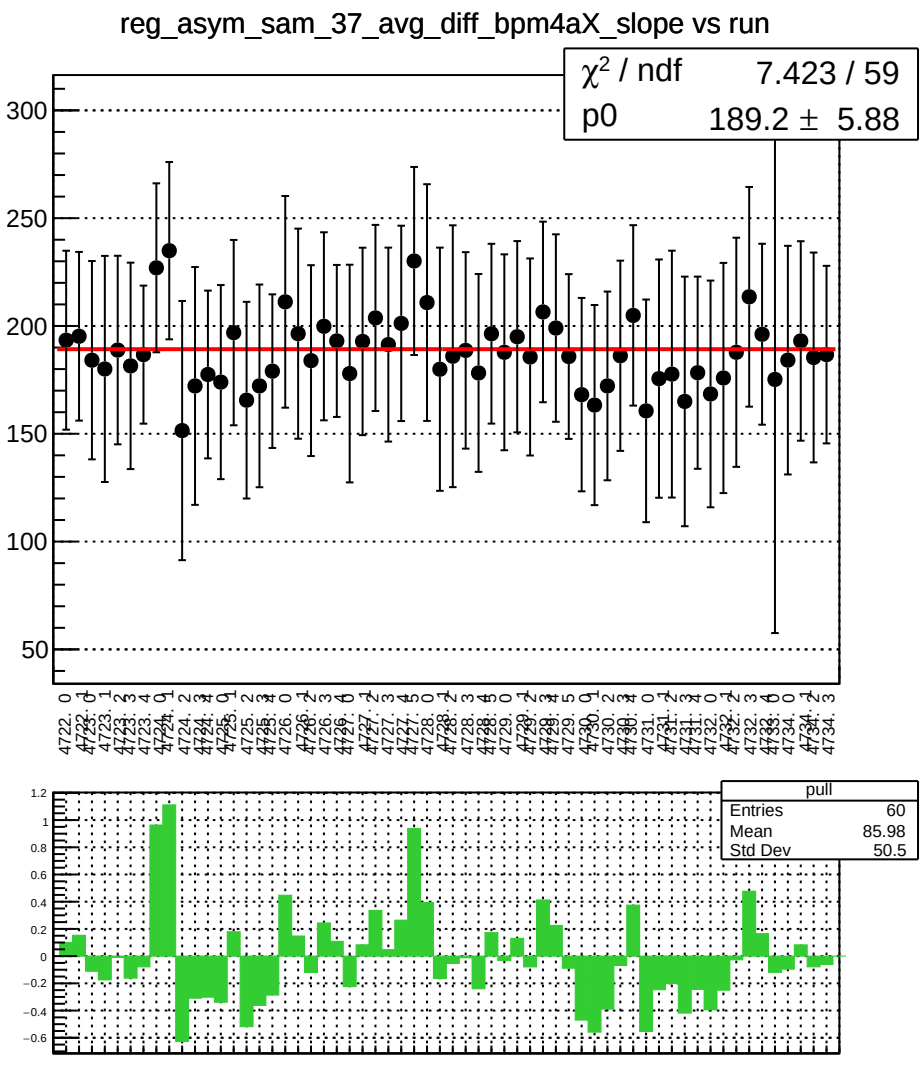

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 281 / 59
p0 14.2 ± 0.1101
pull
Entries 60
Mean 414.7
Std Dev 396

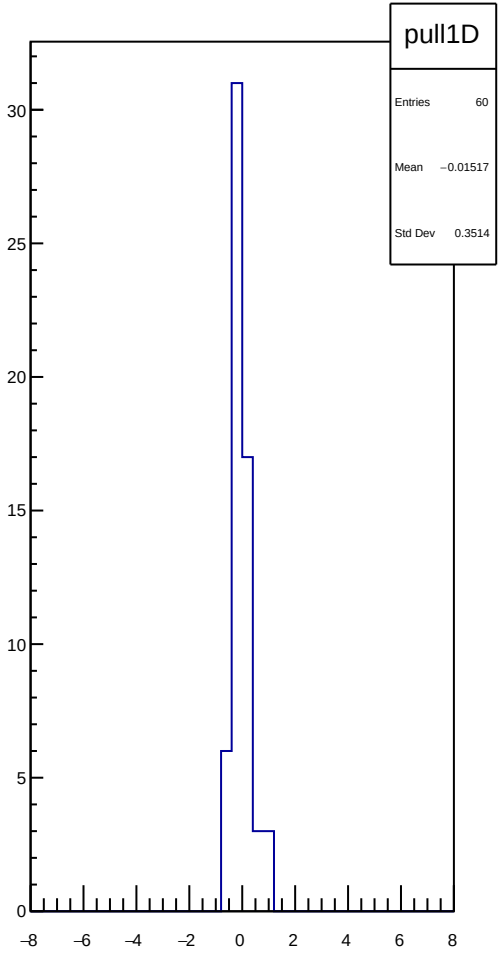

pull1D
Entries 60
Mean 0.0287
Std Dev 2.164

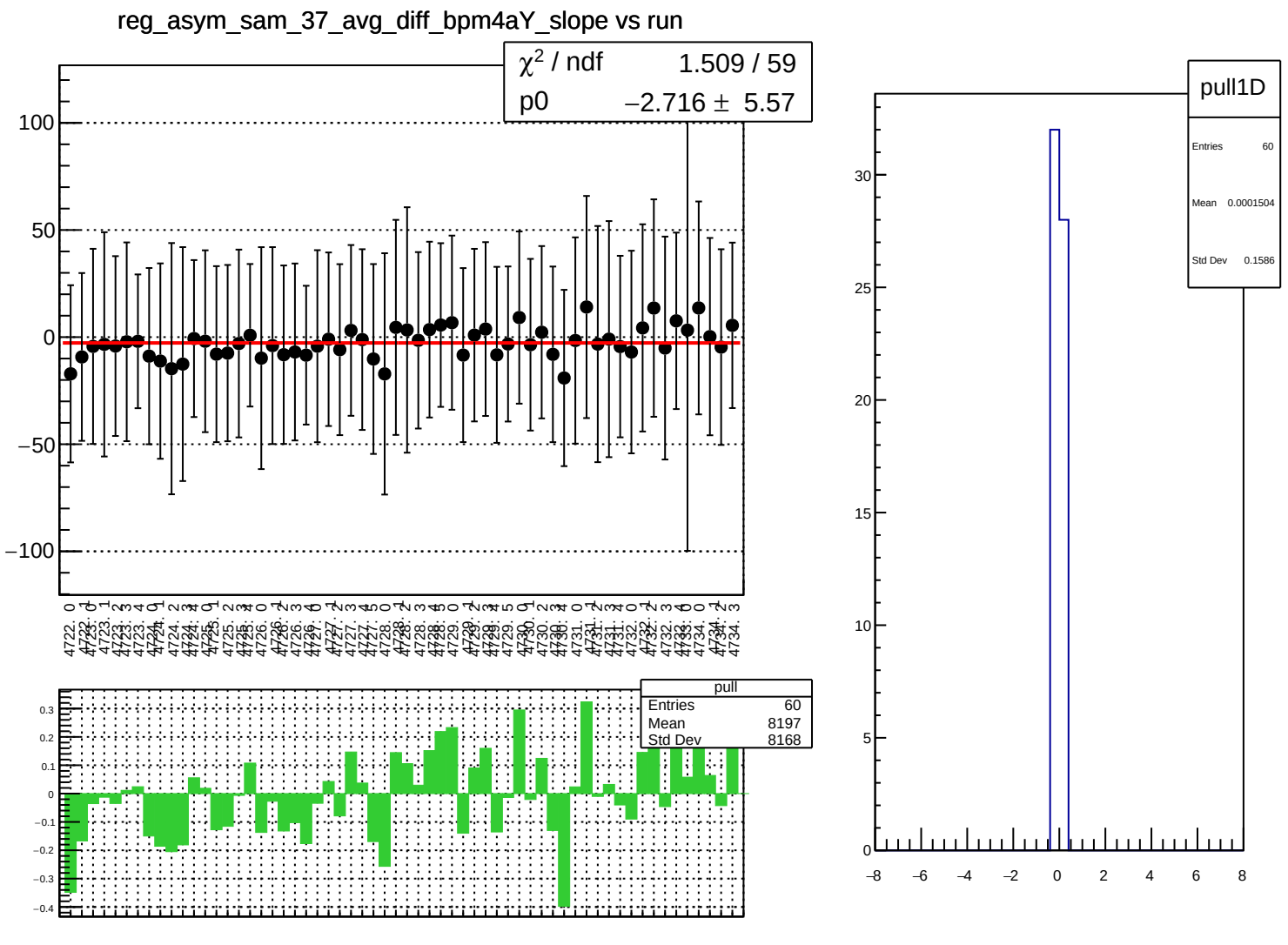

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 260.9 / 59
p0 76.95 ± 0.7749
pull
Entries 60
Mean 1239
Std Dev 1207
pull1D
Entries 60
Mean −0.01554
Std Dev 2.085

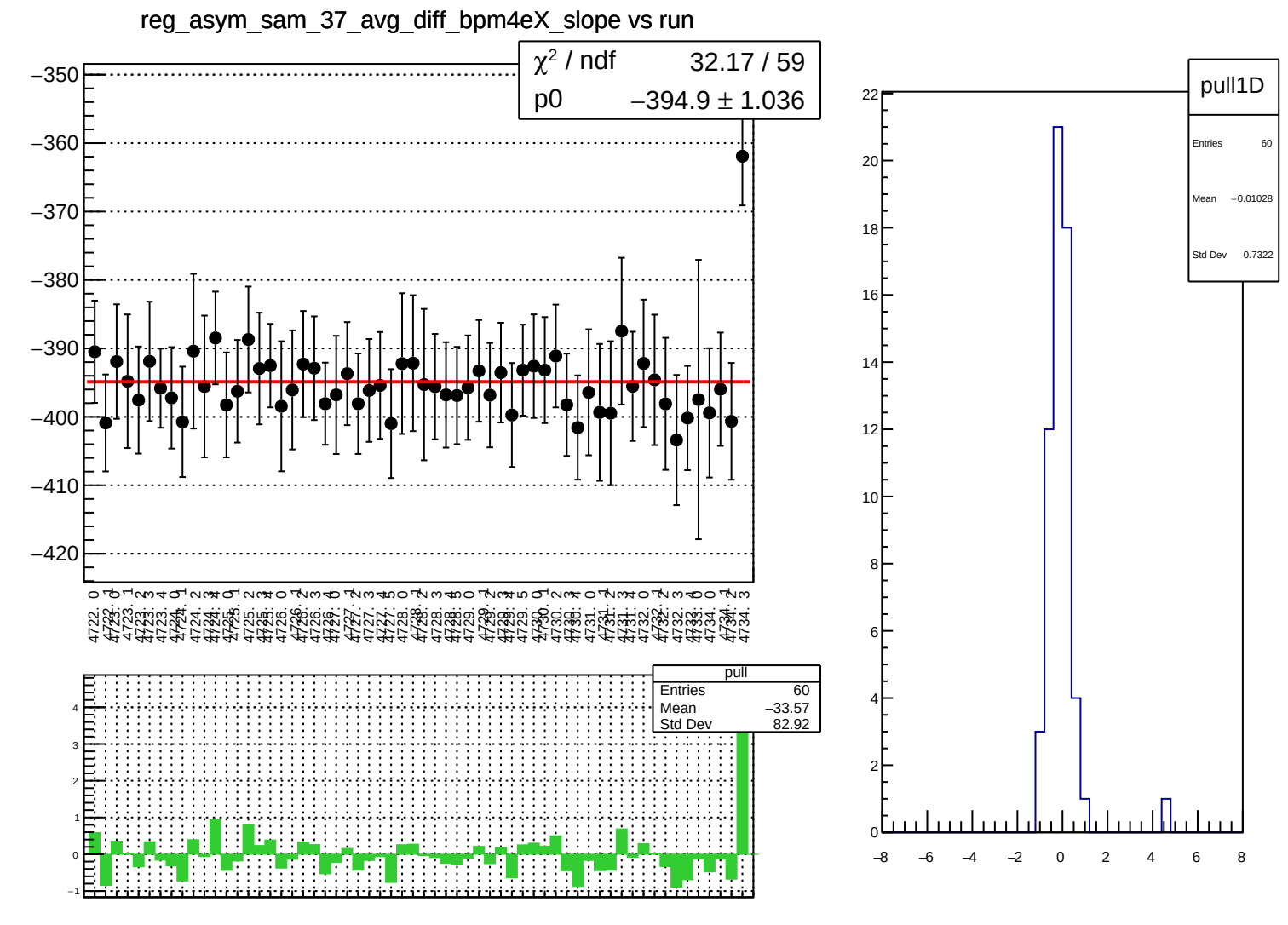

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 265.3 / 59
p0 −19.63 ± 0.1154
pull
Entries 60
Mean −449.9
Std Dev 476.9

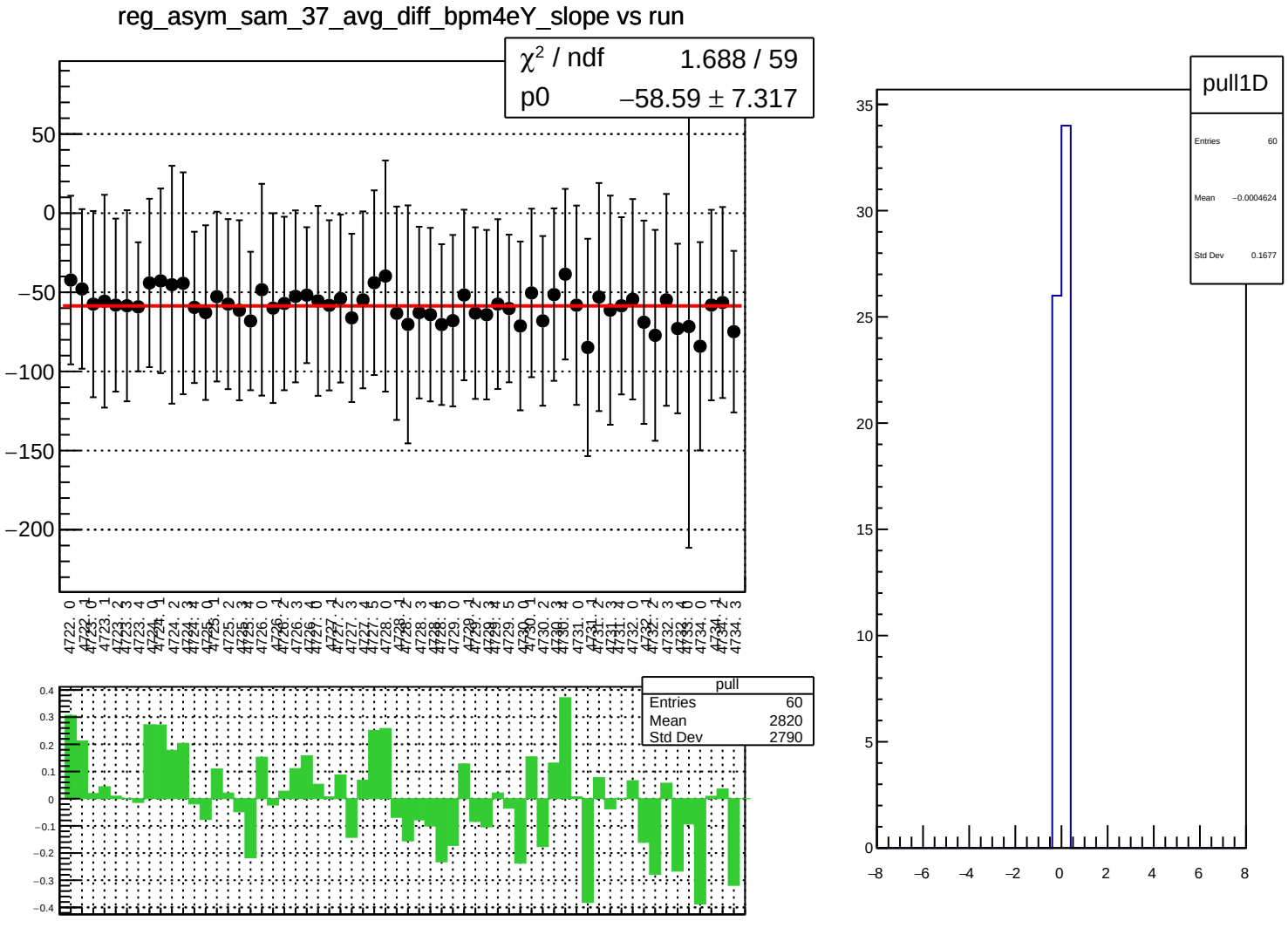

pull1D
Entries 60
Mean −0.05135
Std Dev 2.102

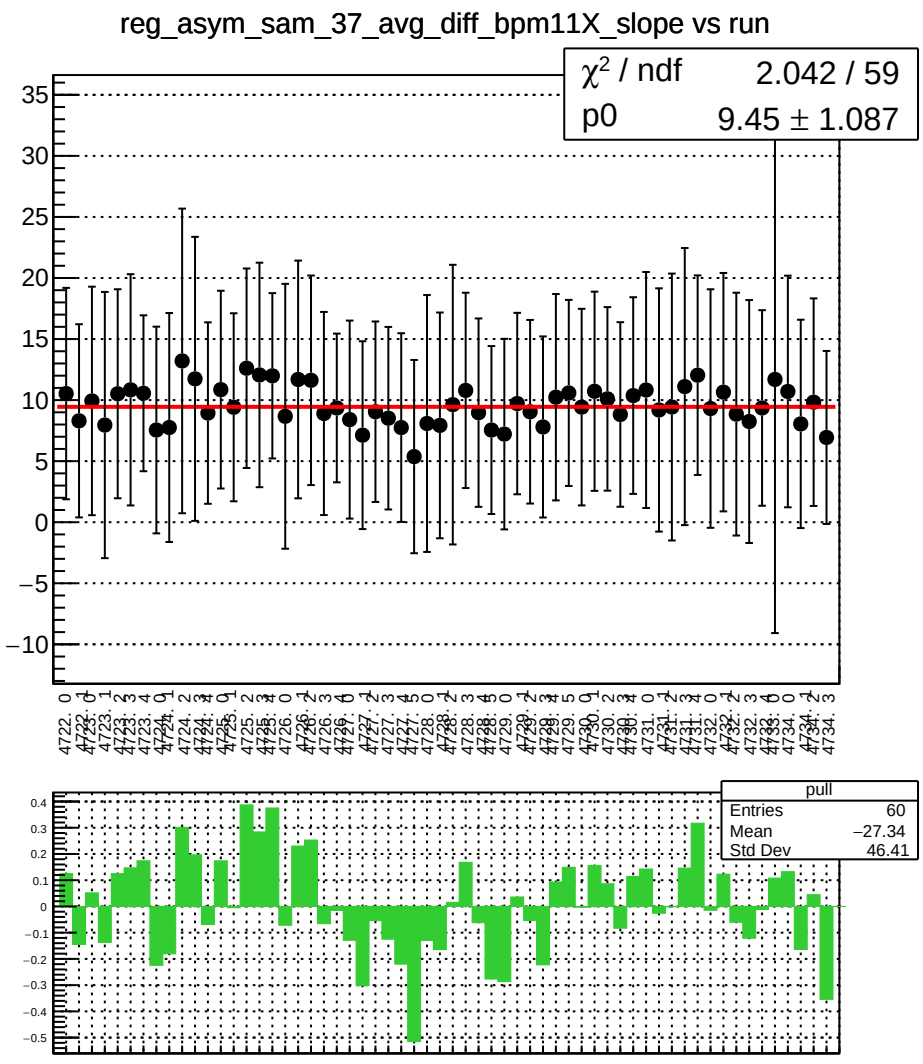

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.423 / 59
p0 189.2 ± 5.88
pull
Entries 60
Mean 85.98
Std Dev 50.5

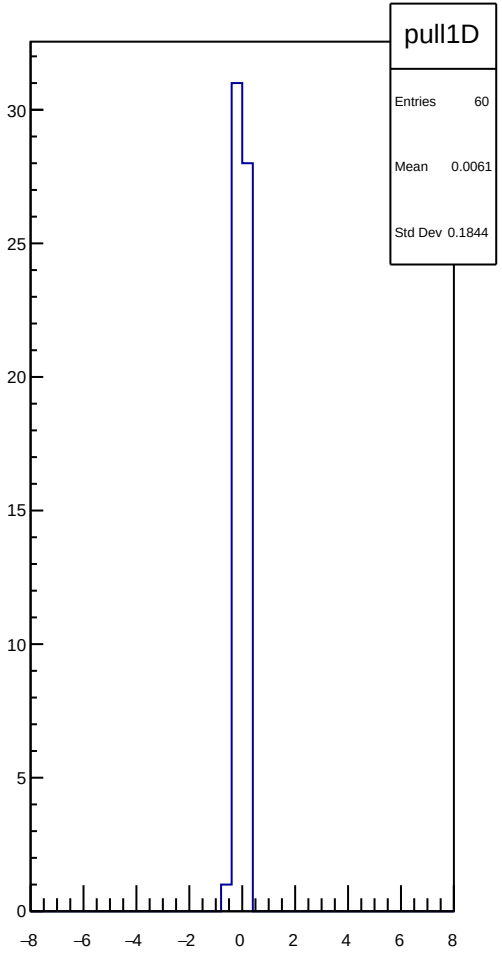

pull1D
Entries 60
Mean −0.01517
Std Dev 0.3514

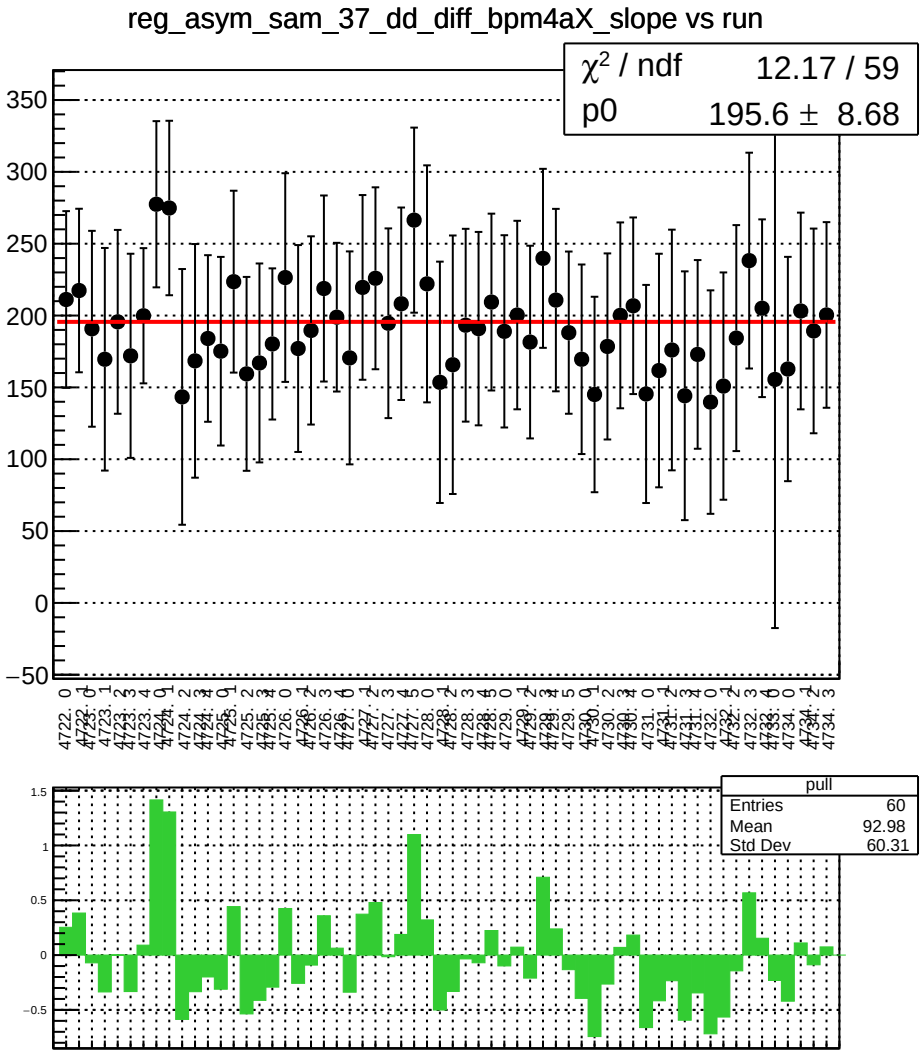

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.509 / 59
p0 −2.716 ± 5.57
pull
Entries 60
Mean 8197
Std Dev 8168
pull1D
Entries 60
Mean 0.0001504
Std Dev 0.1586

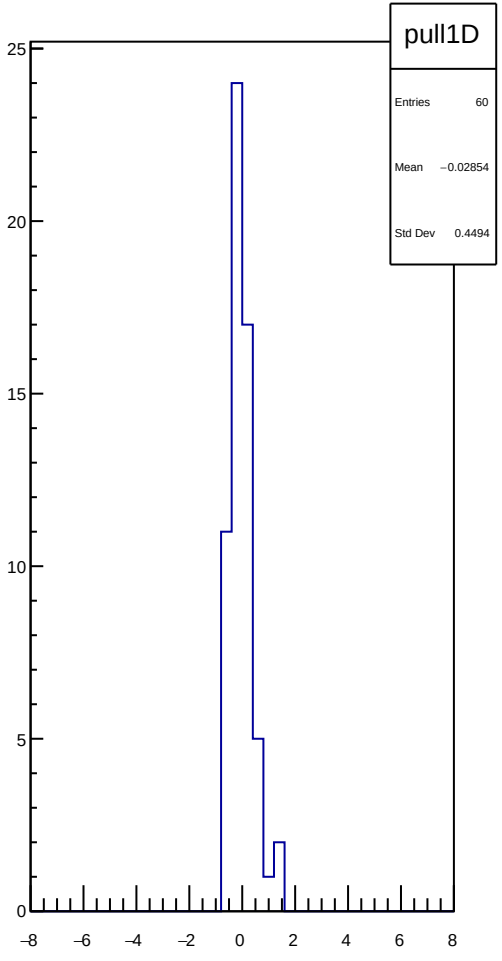

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.17 / 59
p0 −394.9 ± 1.036
pull
Entries 60
Mean −33.57
Std Dev 82.92
pull1D
Entries 60
Mean −0.01028
Std Dev 0.7322

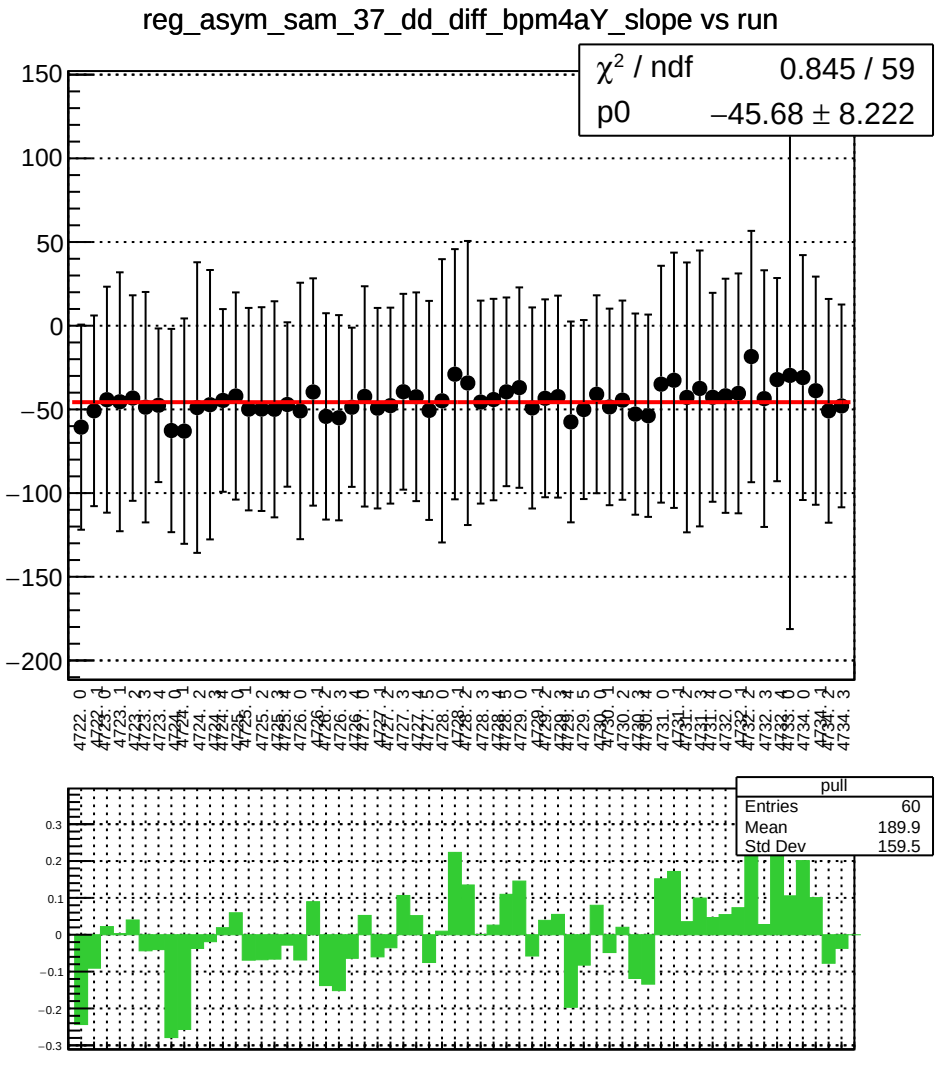

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.688 / 59
p0 −58.59 ± 7.317
pull
Entries 60
Mean 2820
Std Dev 2790
pull1D
Entries 60
Mean −0.0004624
Std Dev 0.1677

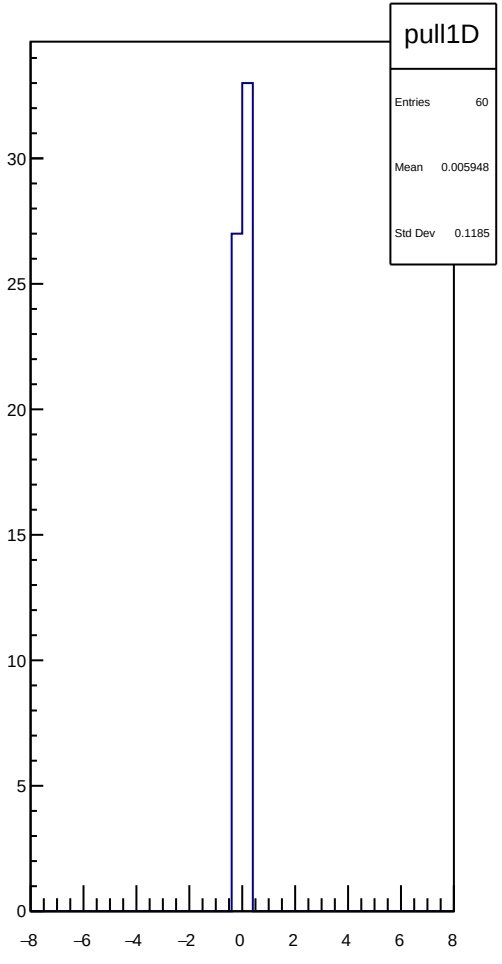

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 2.042 / 59
p0 9.45 ± 1.087
pull
Entries 60
Mean −27.34
Std Dev 46.41

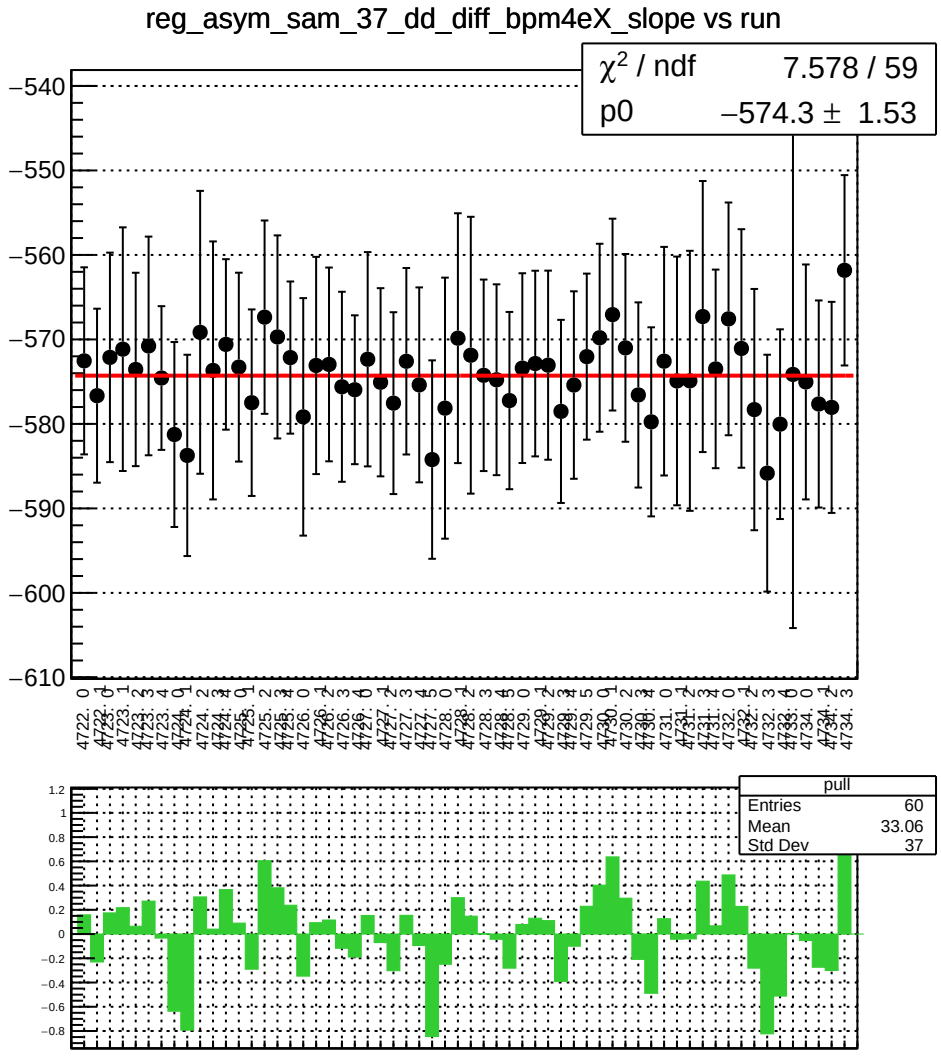

pull1D
Entries 60
Mean 0.0061
Std Dev 0.1844

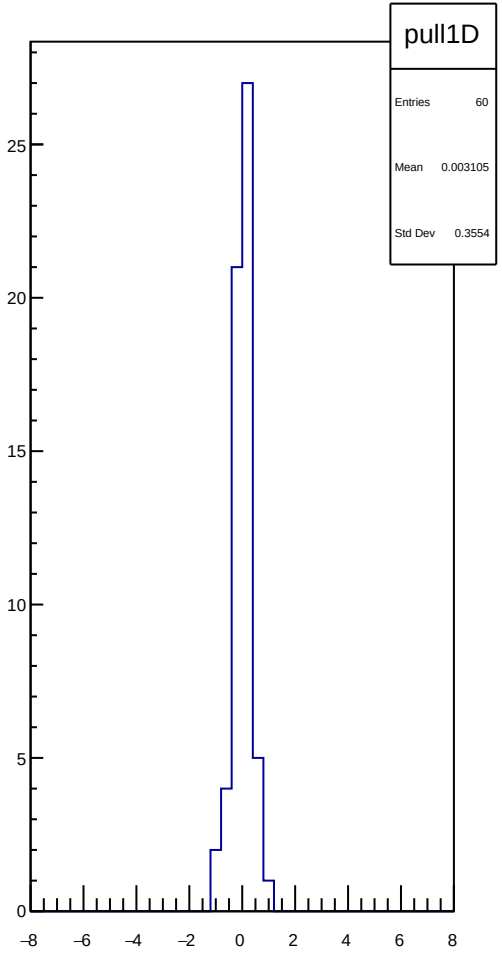

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.17 / 59
p0 195.6 ± 8.68
pull
Entries 60
Mean 92.98
Std Dev 60.31

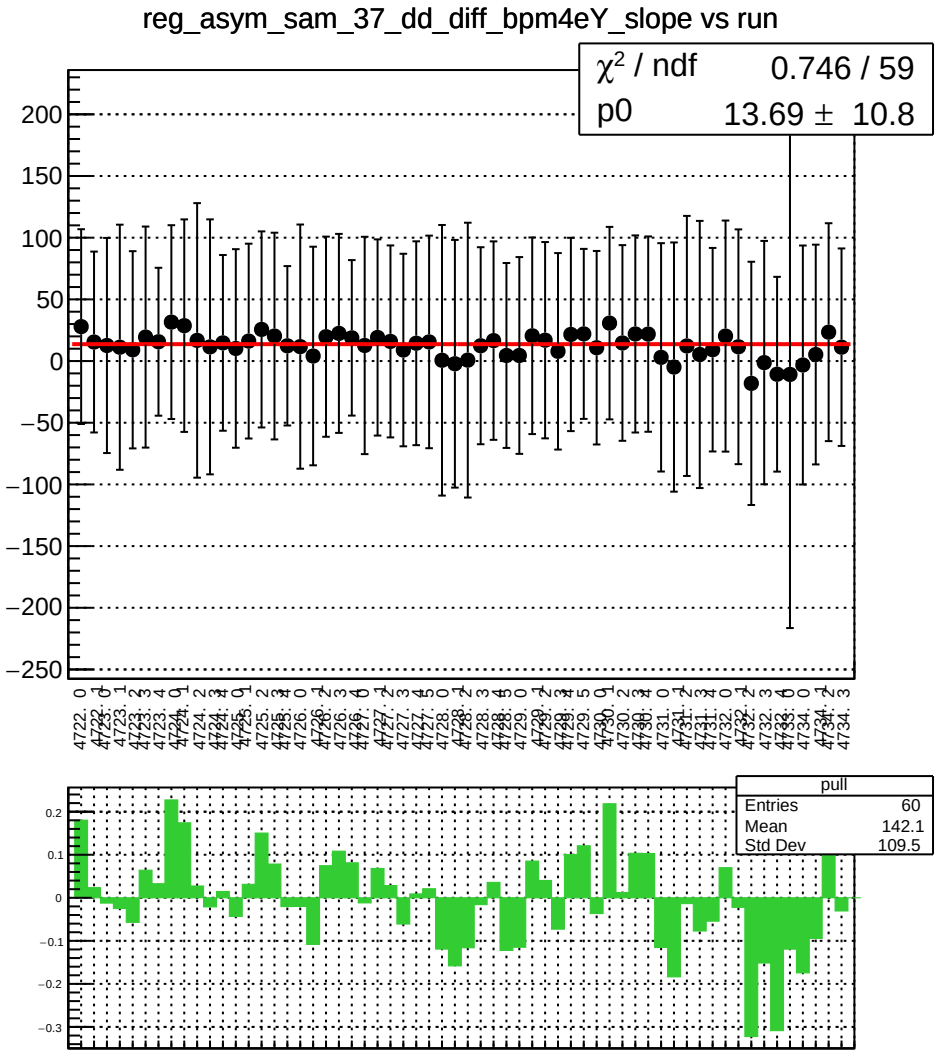

pull1D
Entries 60
Mean −0.02854
Std Dev 0.4494

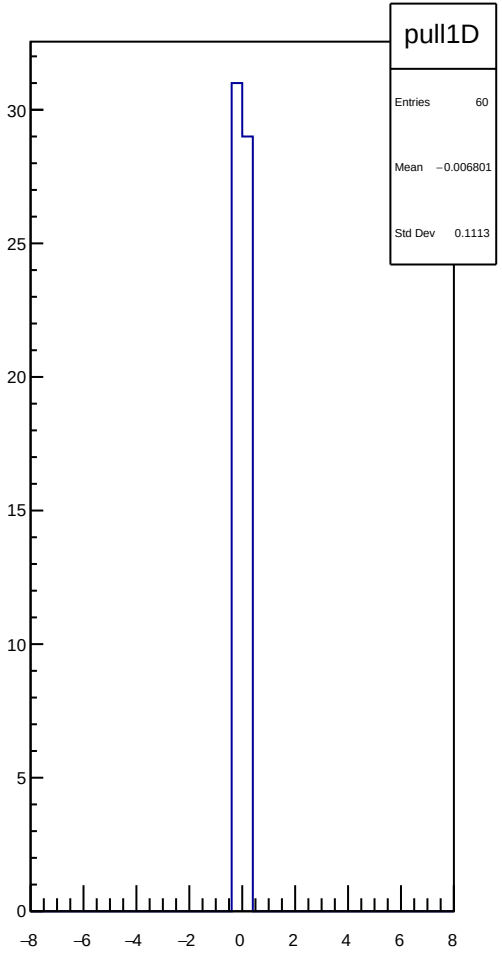

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.845 / 59
p0 −45.68 ± 8.222
pull
Entries 60
Mean 189.9
Std Dev 159.5

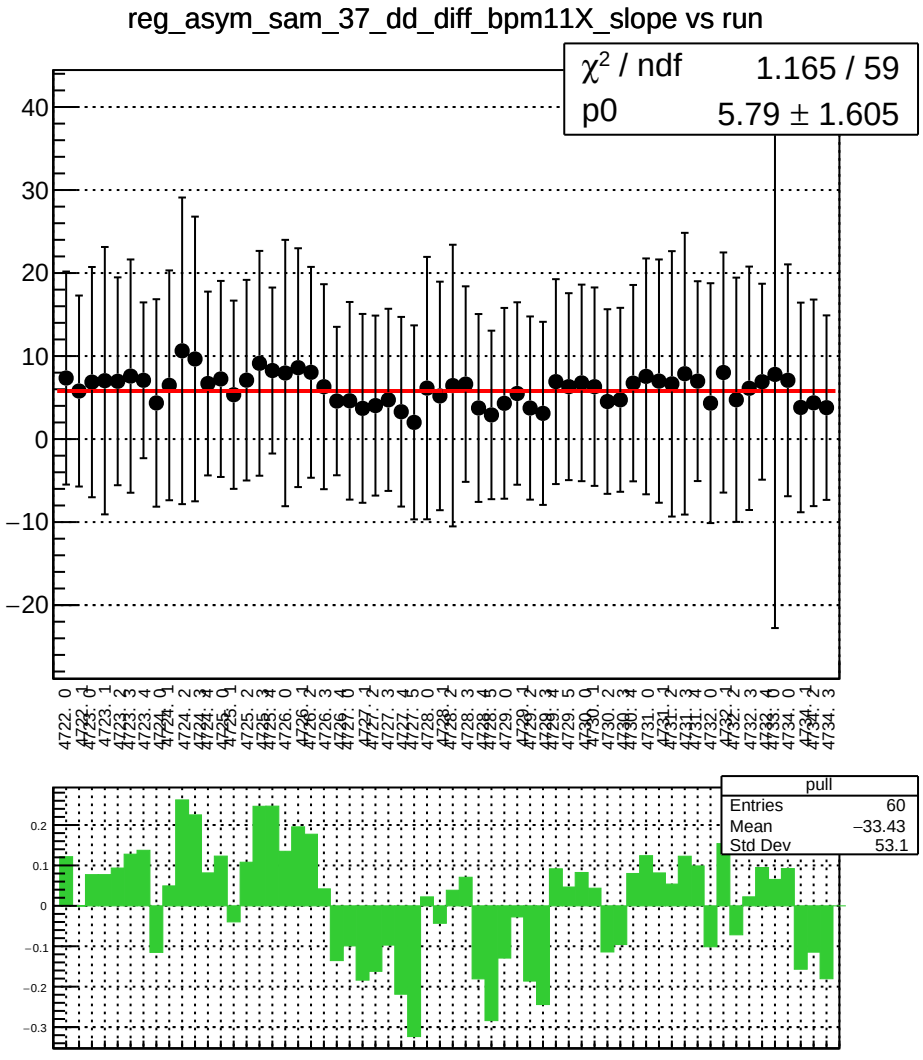

pull1D
Entries 60
Mean 0.005948
Std Dev 0.1185

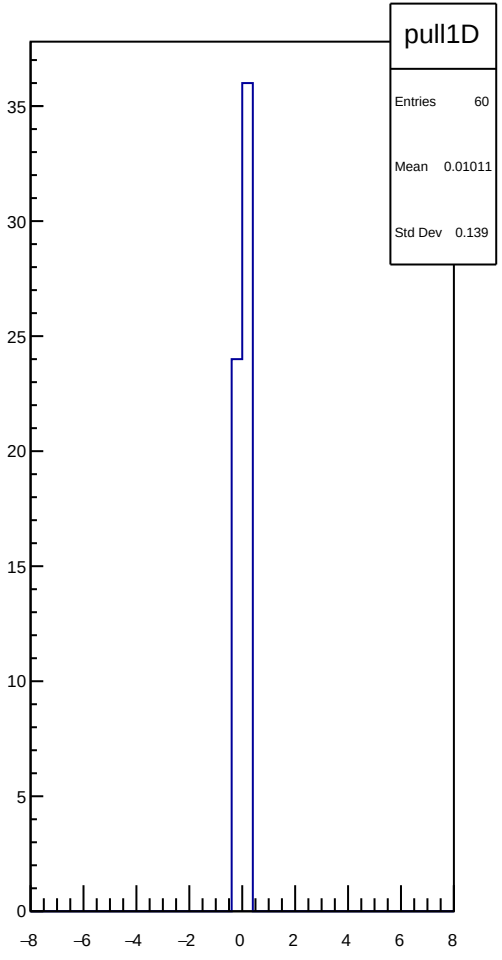

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.578 / 59
p0 −574.3 ± 1.53
pull
Entries 60
Mean 33.06
Std Dev 37

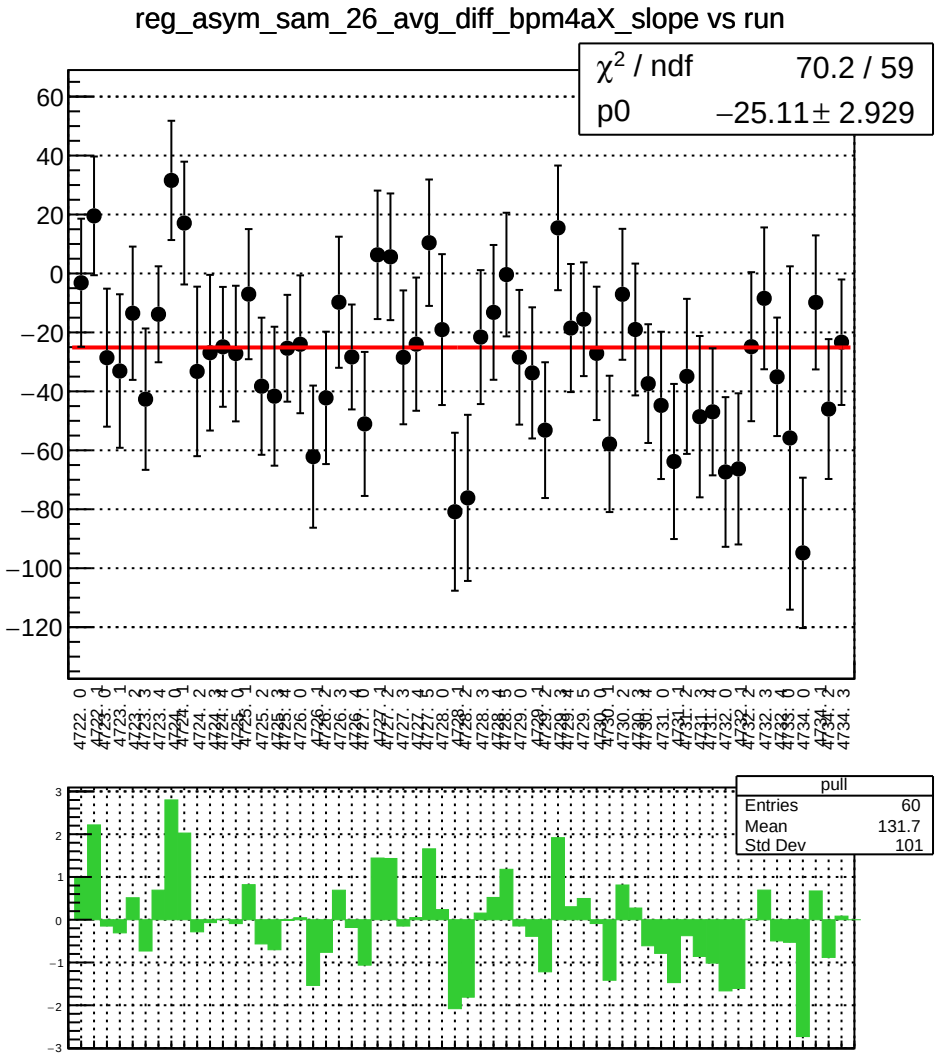

pull1D
Entries 60
Mean 0.003105
Std Dev 0.3554

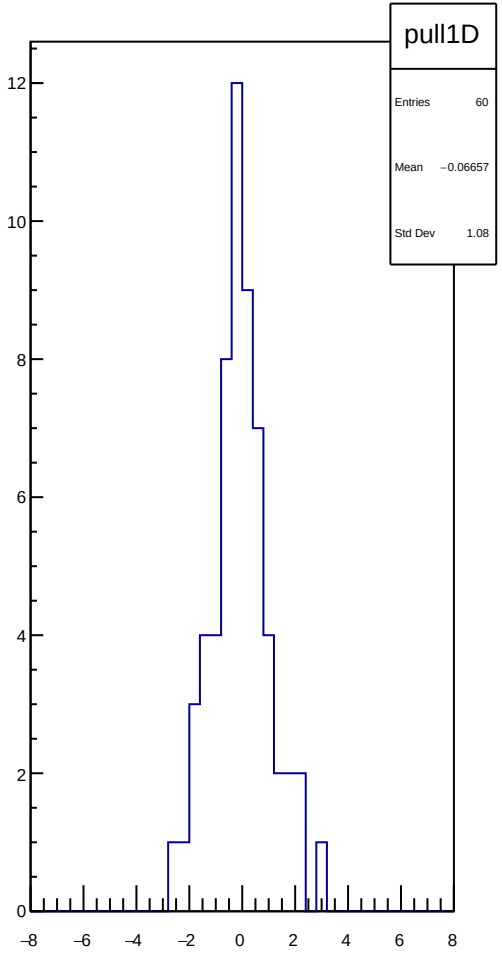

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.746 / 59
p0 13.69 ± 10.8
pull
Entries 60
Mean 142.1
Std Dev 109.5

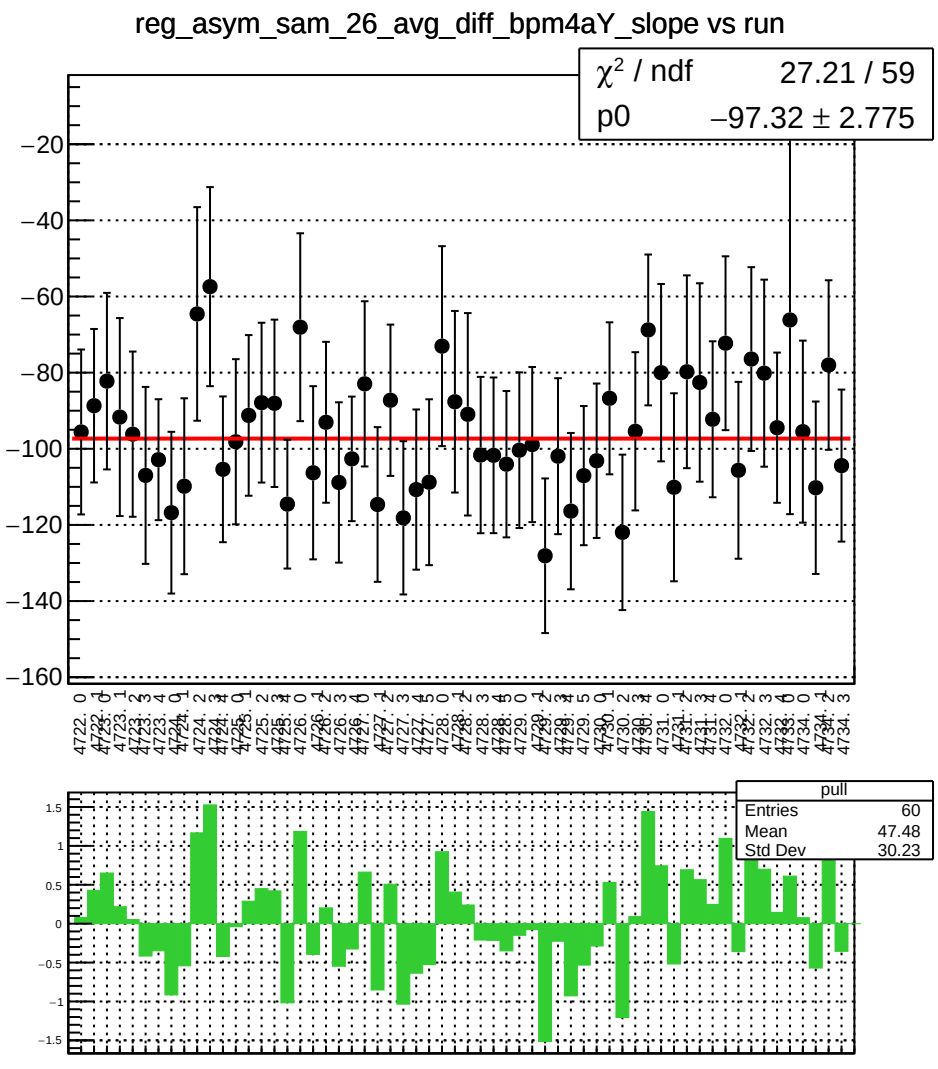

pull1D
Entries 60
Mean −0.006801
Std Dev 0.1113

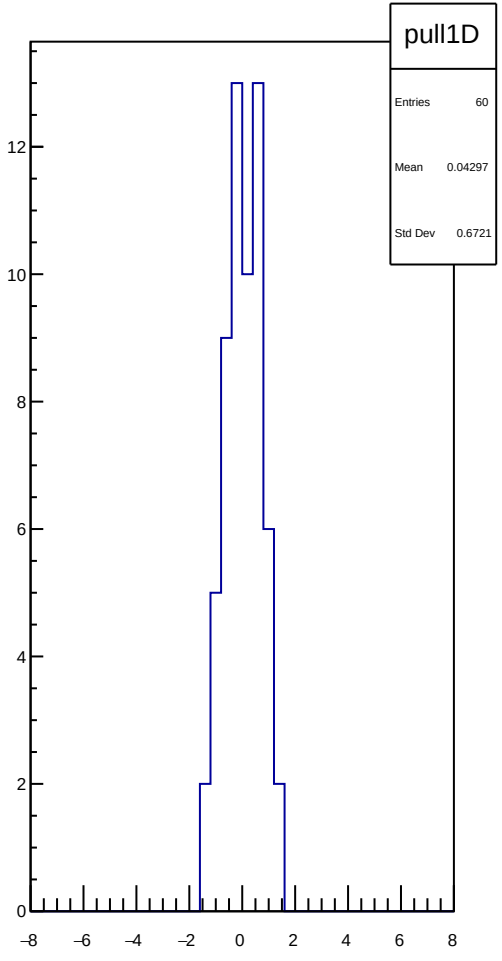

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 1.165 / 59
p0 5.79 ± 1.605
pull
Entries 60
Mean −33.43
Std Dev 53.1

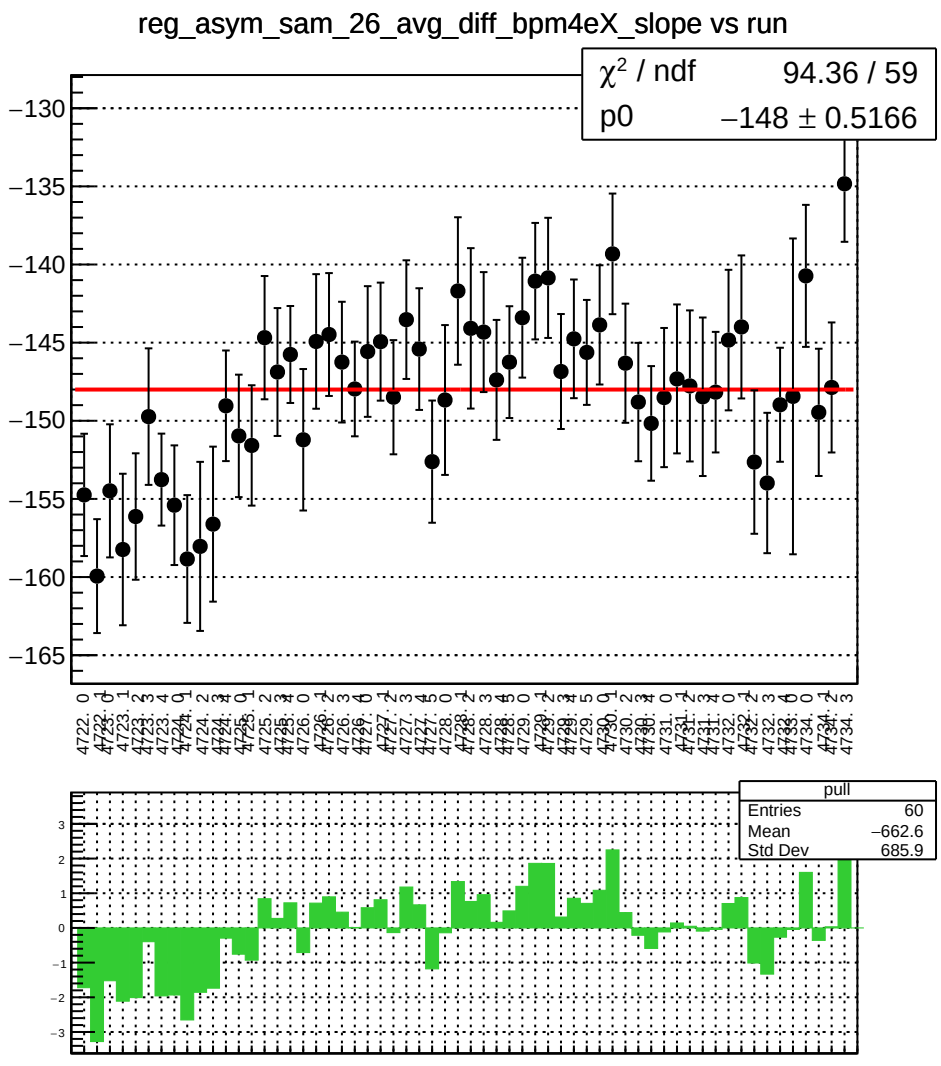

pull1D
Entries 60
Mean 0.01011
Std Dev 0.139

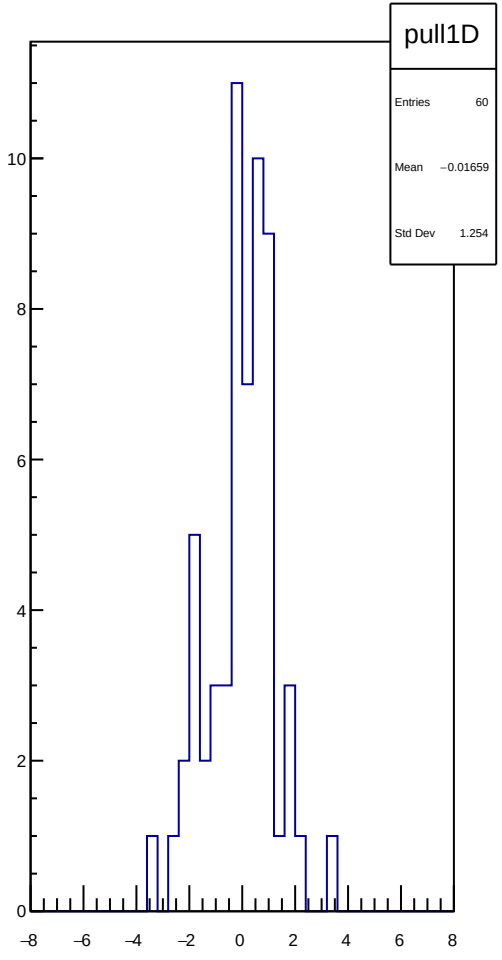

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 70.2 / 59
p0 −25.11 ± 2.929
pull
Entries 60
Mean 131.7
Std Dev 101

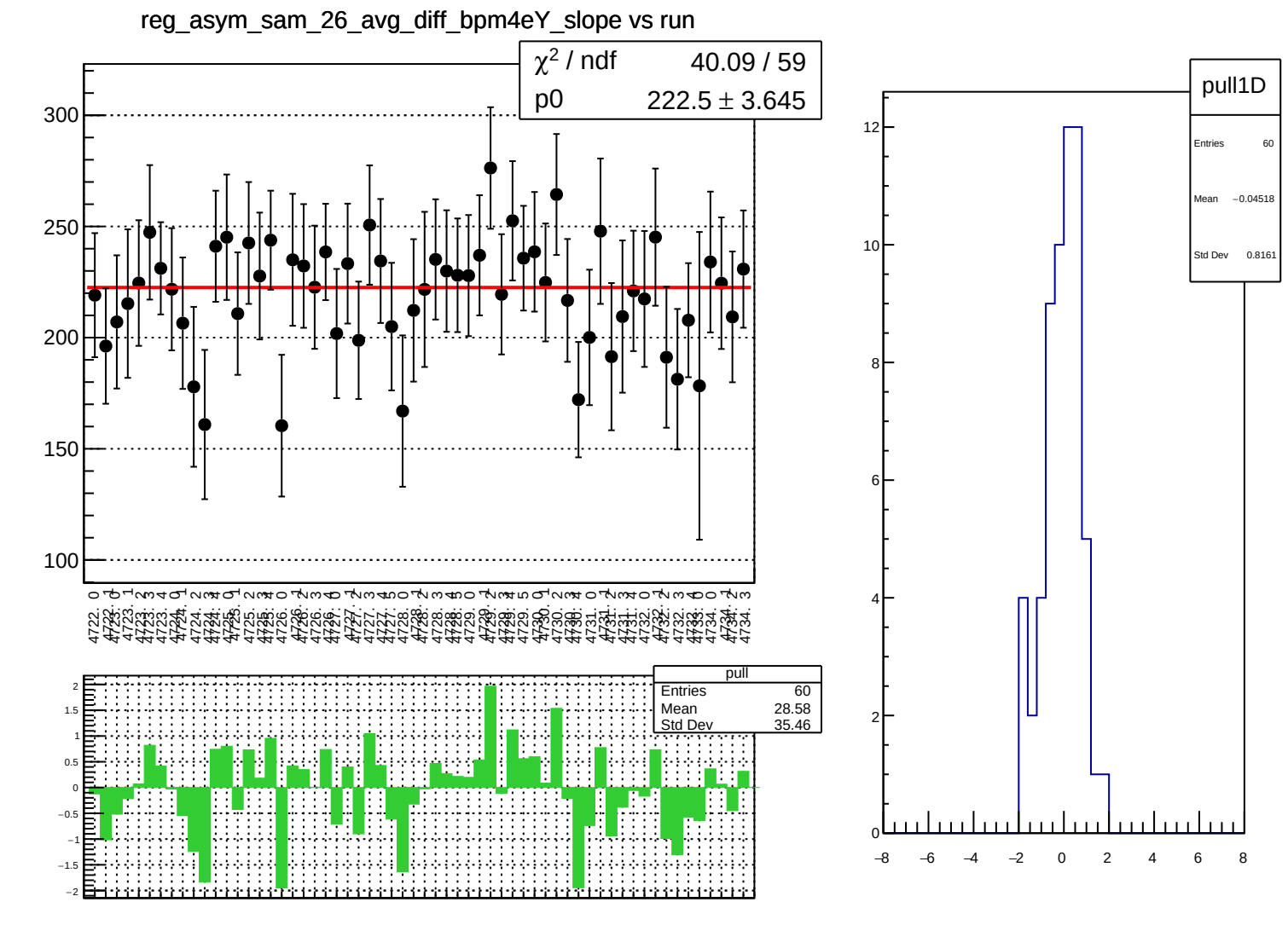

pull1D
Entries 60
Mean −0.06657
Std Dev 1.08

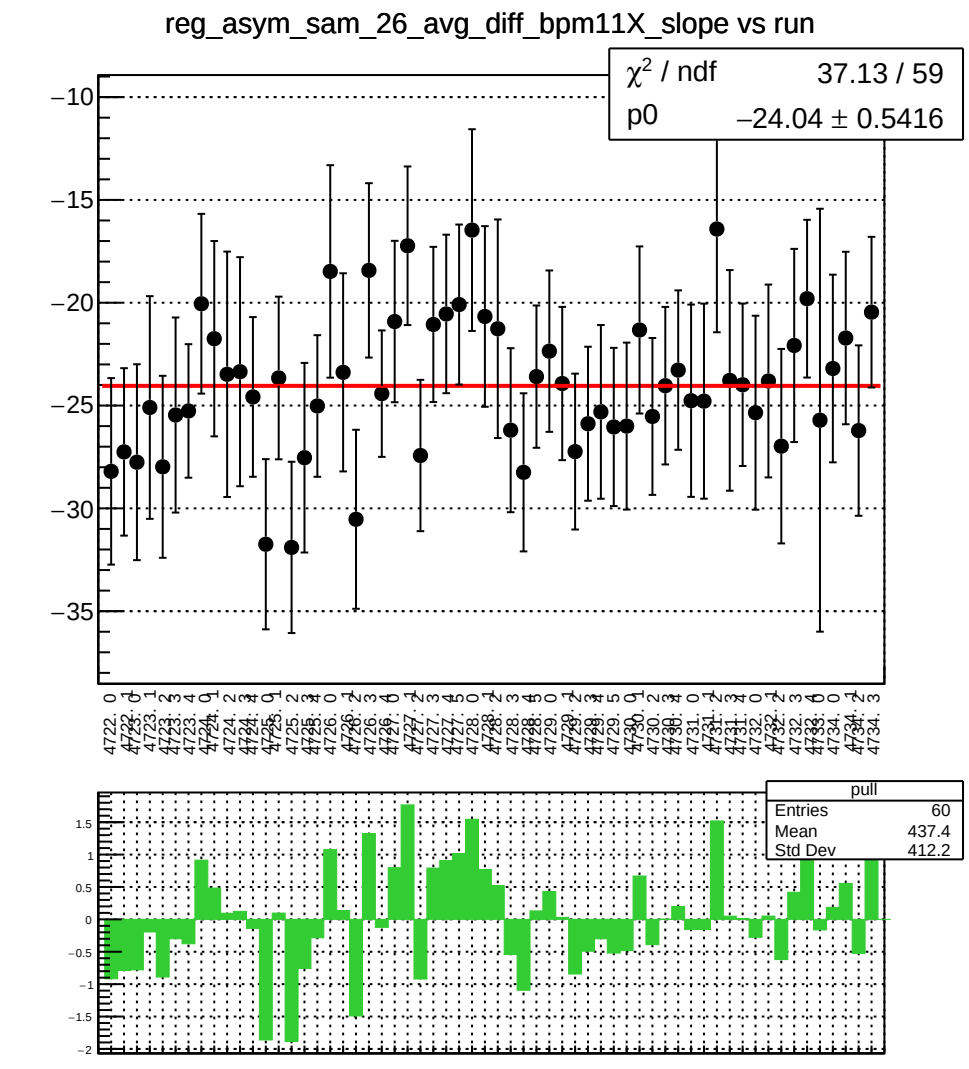

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.21 / 59
p0 −97.32 ± 2.775
pull
Entries 60
Mean 47.48
Std Dev 30.23

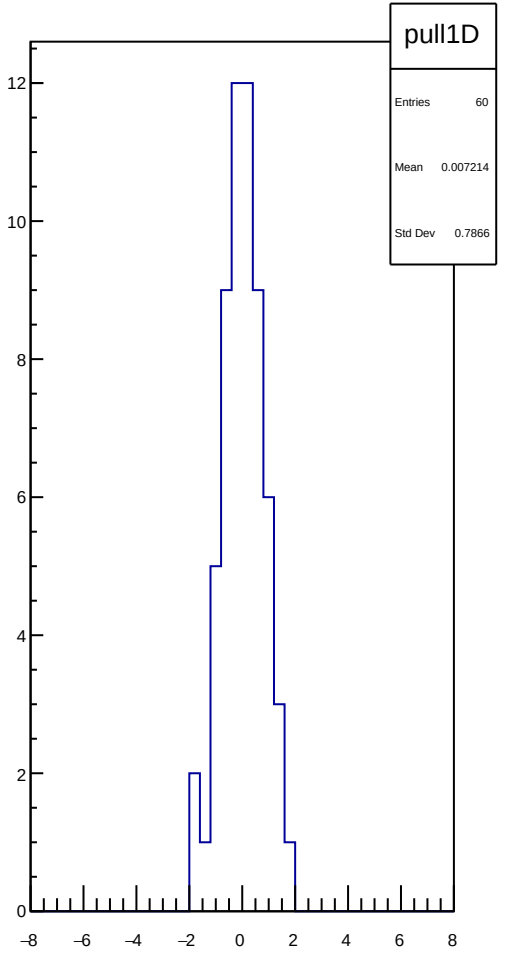

pull1D
Entries 60
Mean 0.04297
Std Dev 0.6721

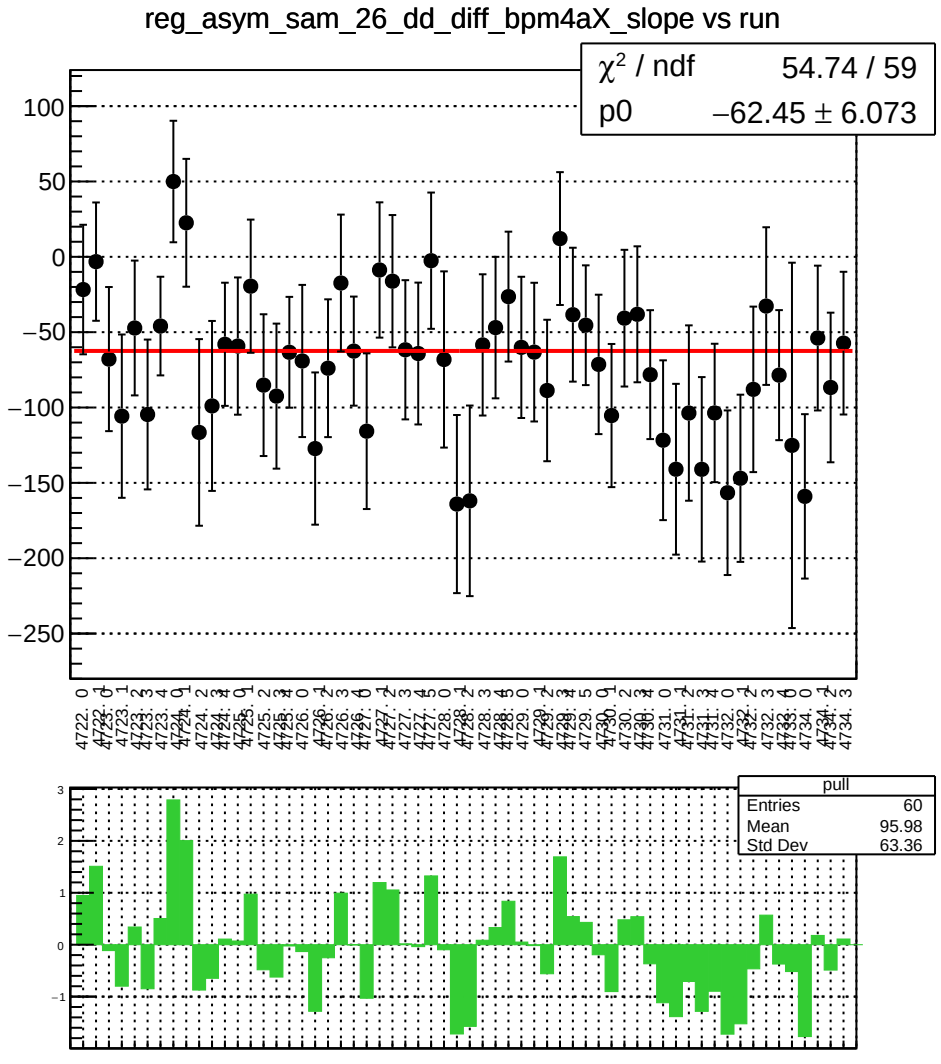

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.36 / 59
p0 −148 ± 0.5166
pull
Entries 60
Mean −662.6
Std Dev 685.9

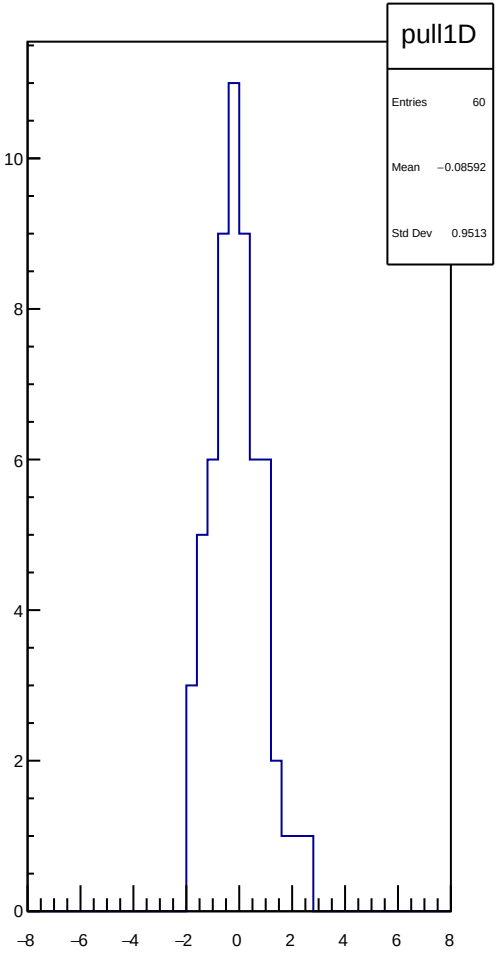

pull1D
Entries 60
Mean −0.01659
Std Dev 1.254

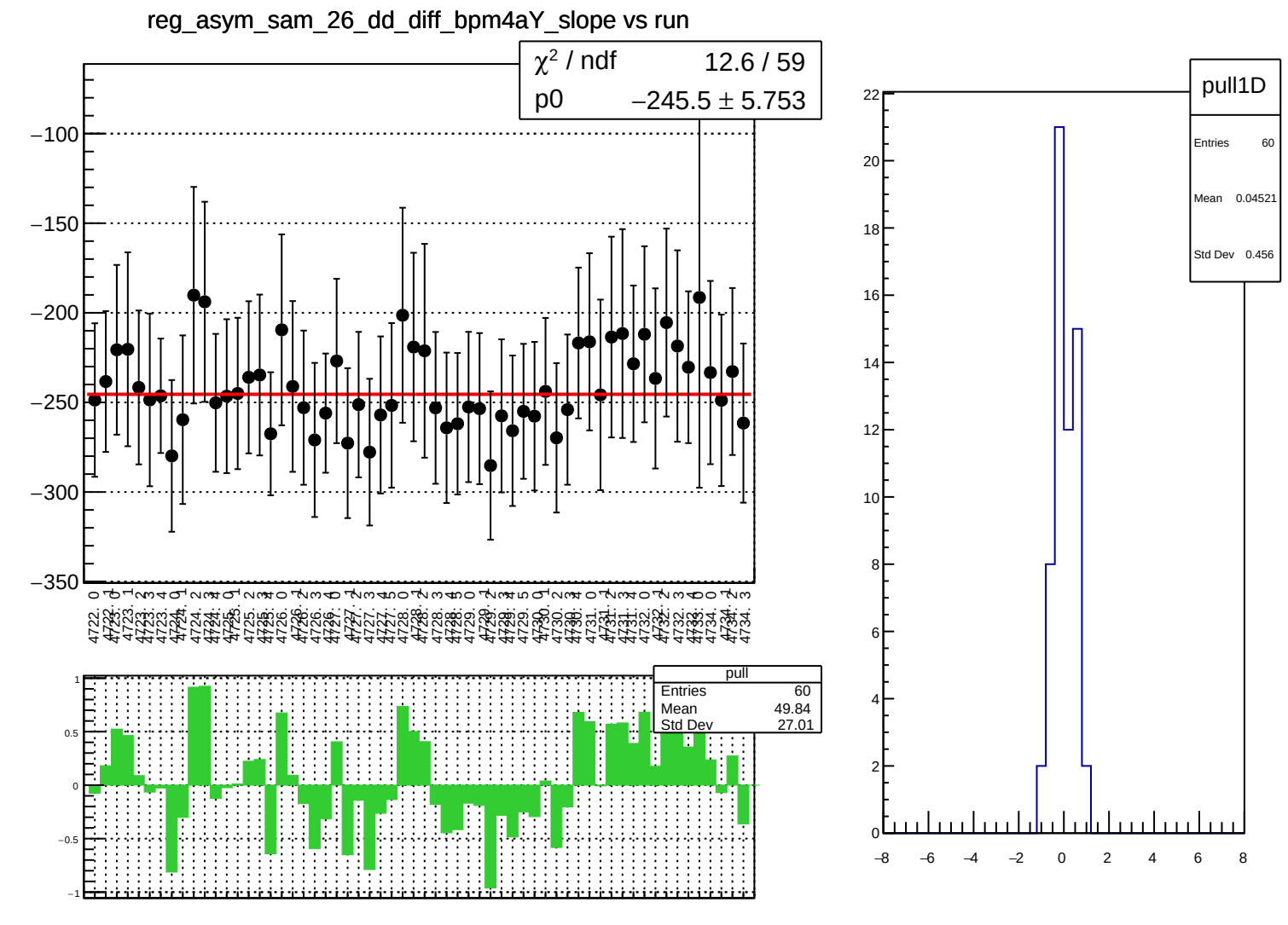

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.09 / 59
p0 222.5 ± 3.645
pull
Entries 60
Mean 28.58
Std Dev 35.46
pull1D
Entries 60
Mean −0.04518
Std Dev 0.8161

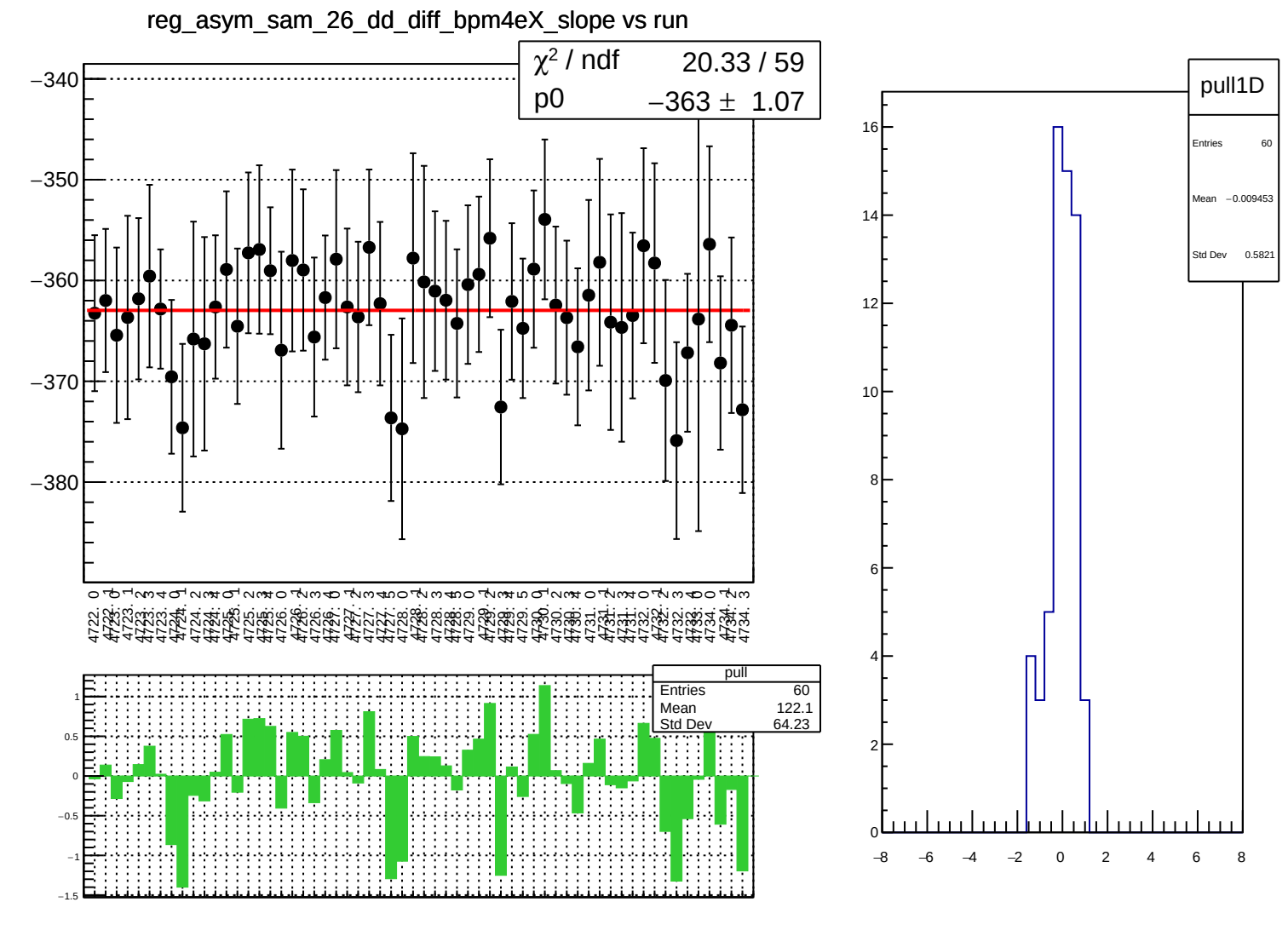

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 37.13 / 59
p0 −24.04 ± 0.5416
pull
Entries 60
Mean 437.4
Std Dev 412.2

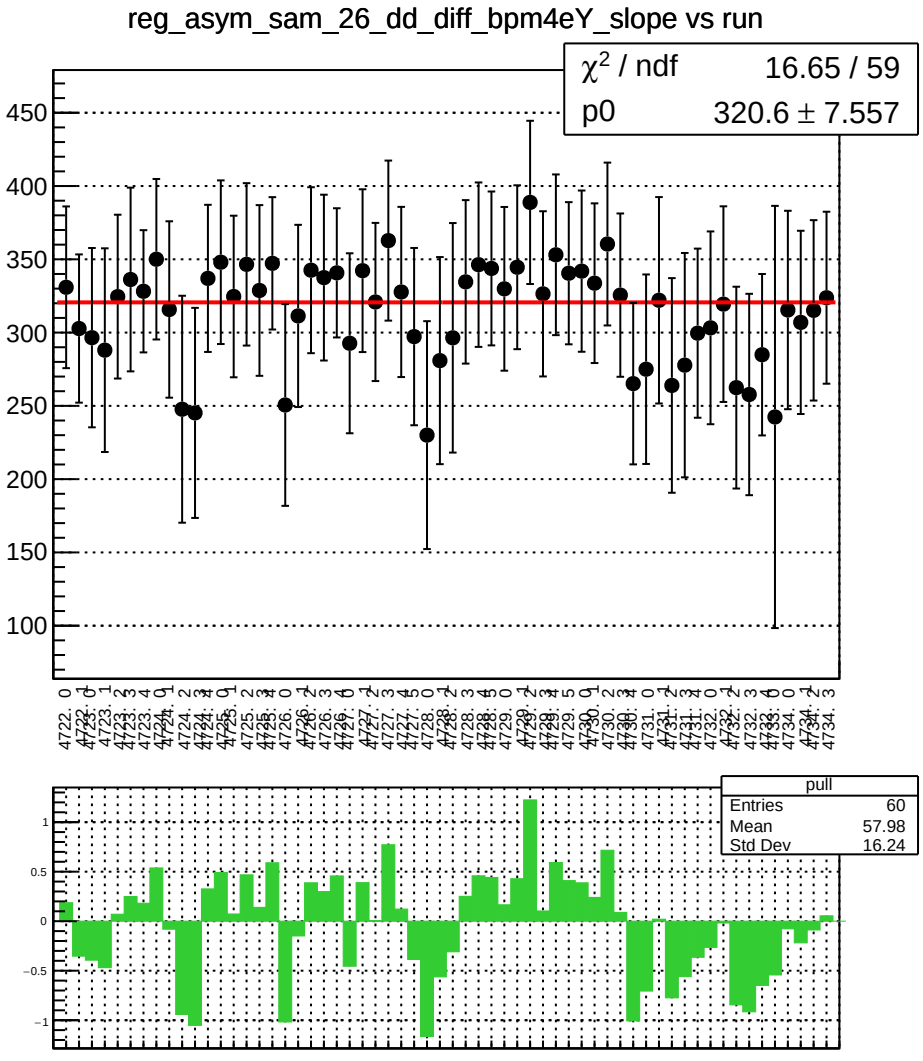

pull1D
Entries 60
Mean 0.007214
Std Dev 0.7866

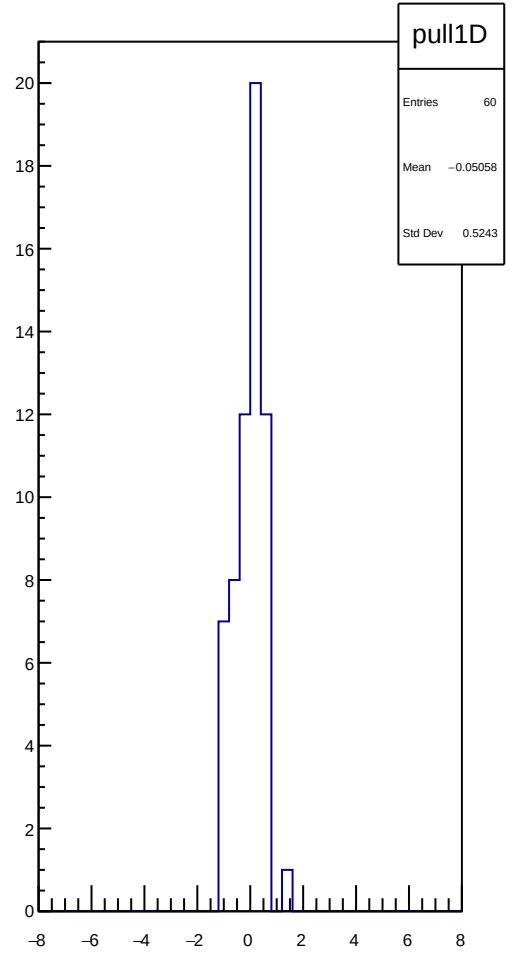

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 54.74 / 59
p0 −62.45 ± 6.073
pull
Entries 60
Mean 95.98
Std Dev 63.36

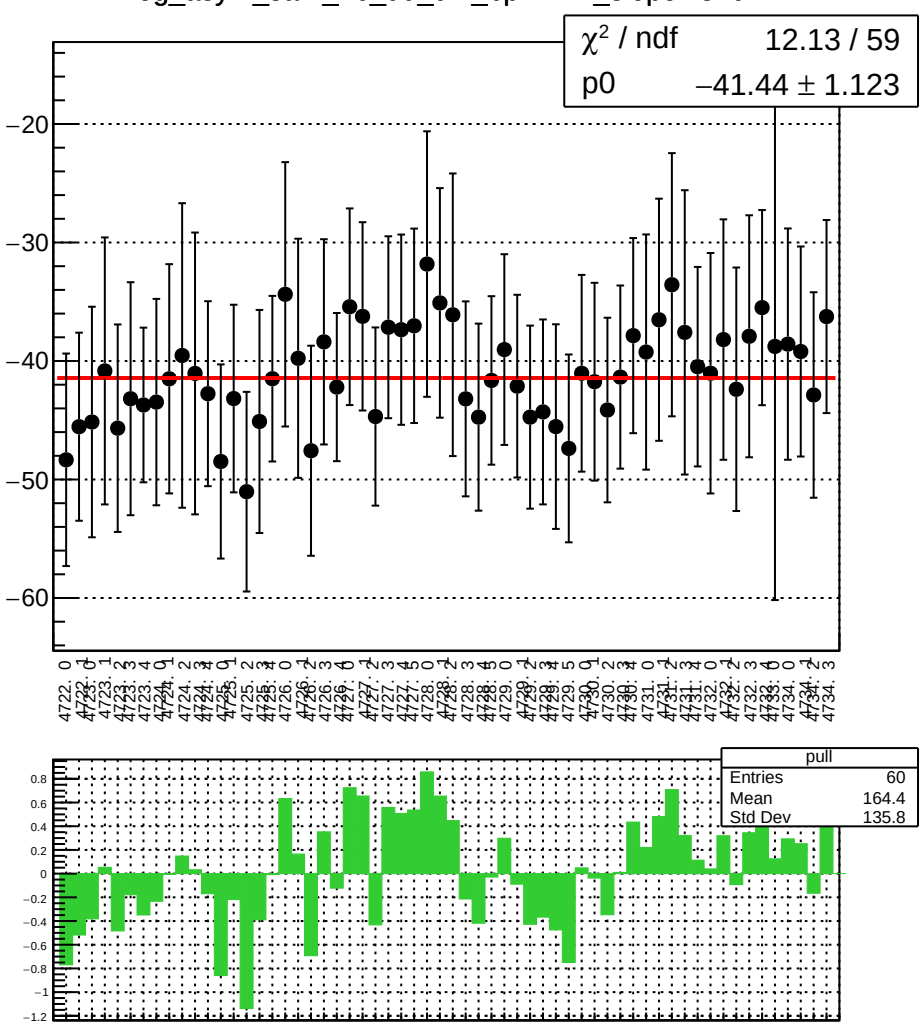

pull1D
Entries 60
Mean −0.08592
Std Dev 0.9513

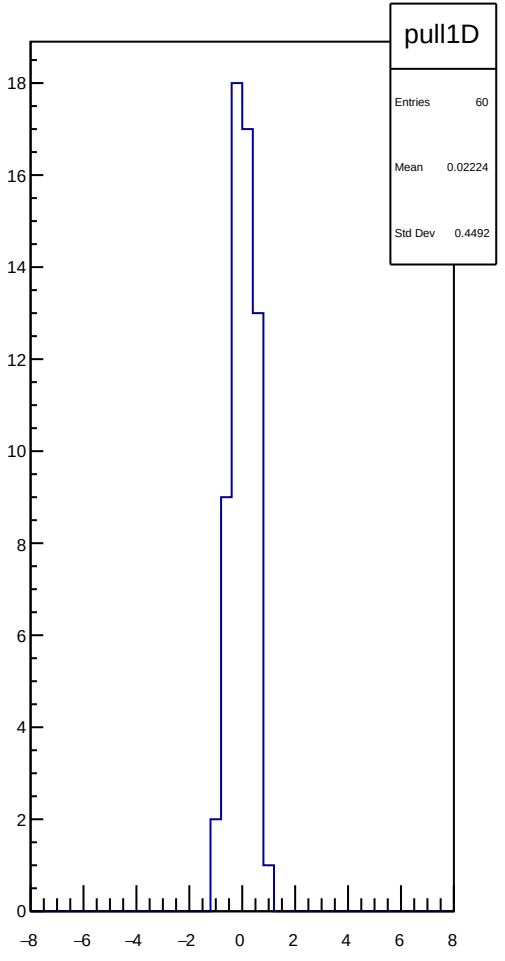

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.6 / 59
p0 −245.5 ± 5.753
pull
Entries 60
Mean 49.84
Std Dev 27.01
pull1D
Entries 60
Mean 0.04521
Std Dev 0.456

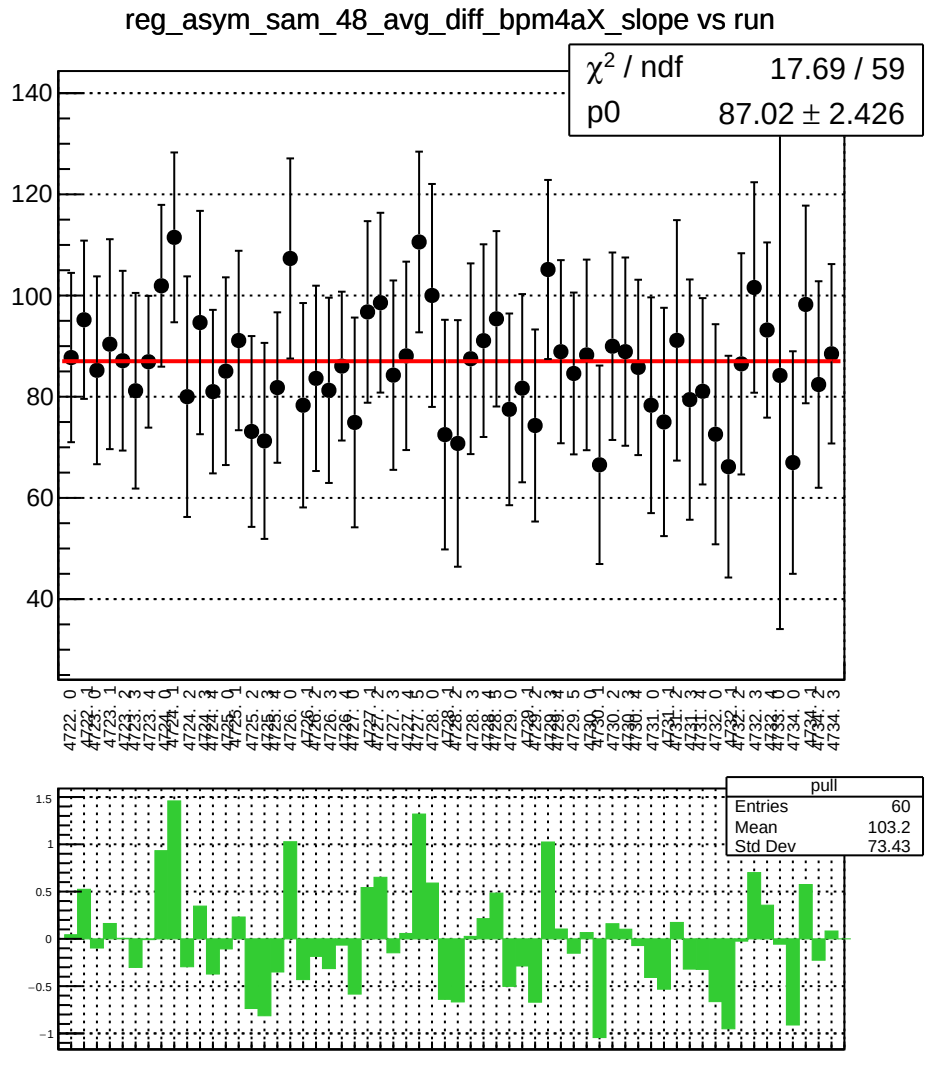

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.33 / 59
p0 −363 ± 1.07
−340
−350
−360
−370
−380
pull
Entries 60
Mean 122.1
Std Dev 64.23
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 60
Mean −0.009453
Std Dev 0.5821
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

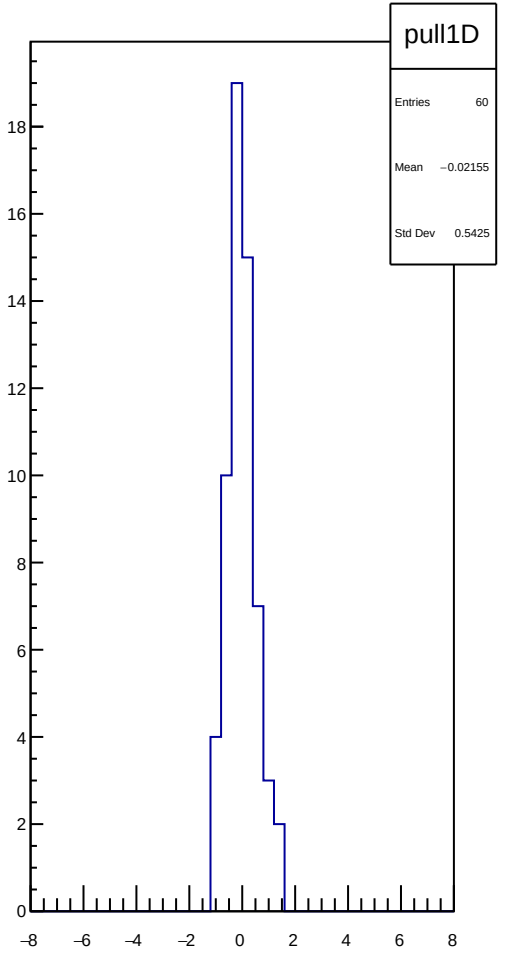

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.65 / 59
p0 320.6 ± 7.557
pull
Entries 60
Mean 57.98
Std Dev 16.24

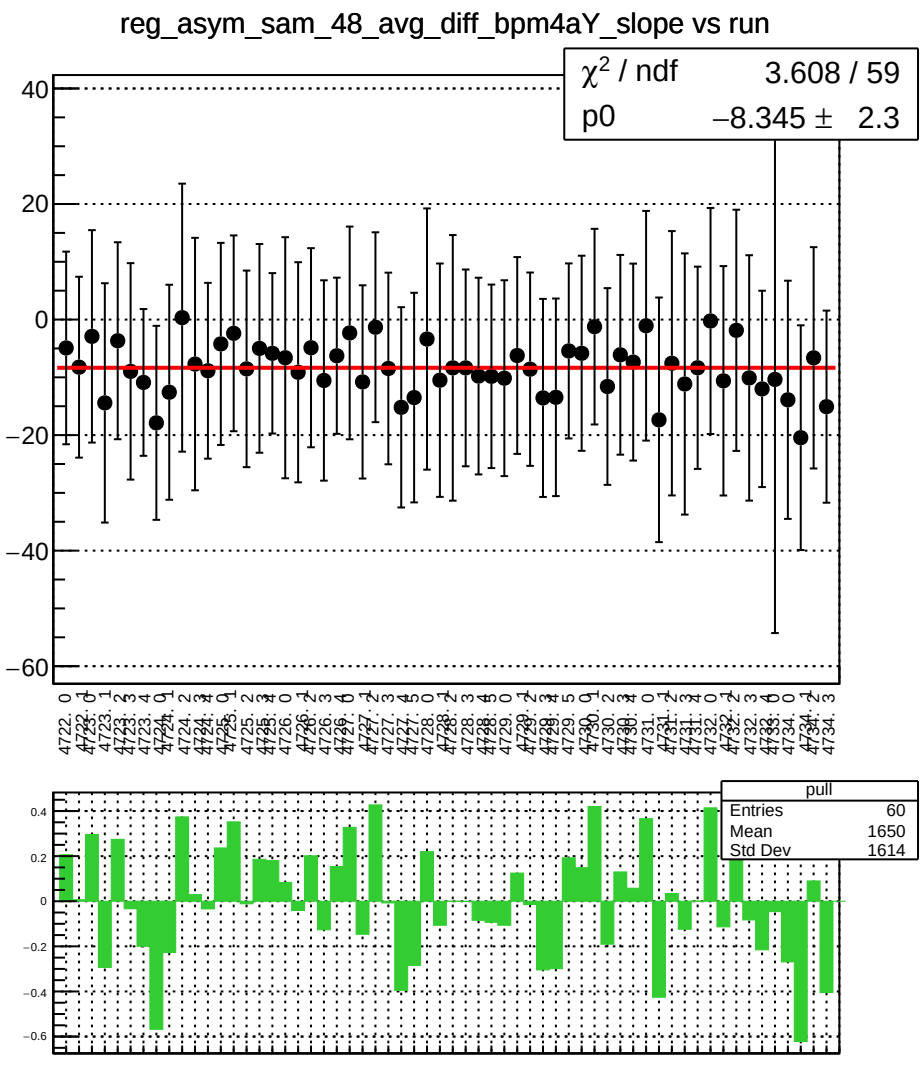

pull1D
Entries 60
Mean −0.05058
Std Dev 0.5243

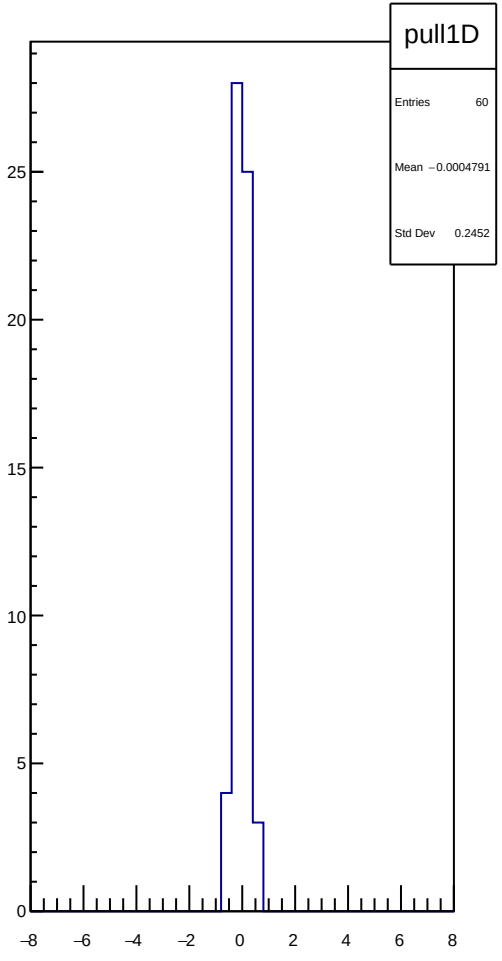

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 12.13 / 59
p0 −41.44 ± 1.123
pull
Entries 60
Mean 164.4
Std Dev 135.8

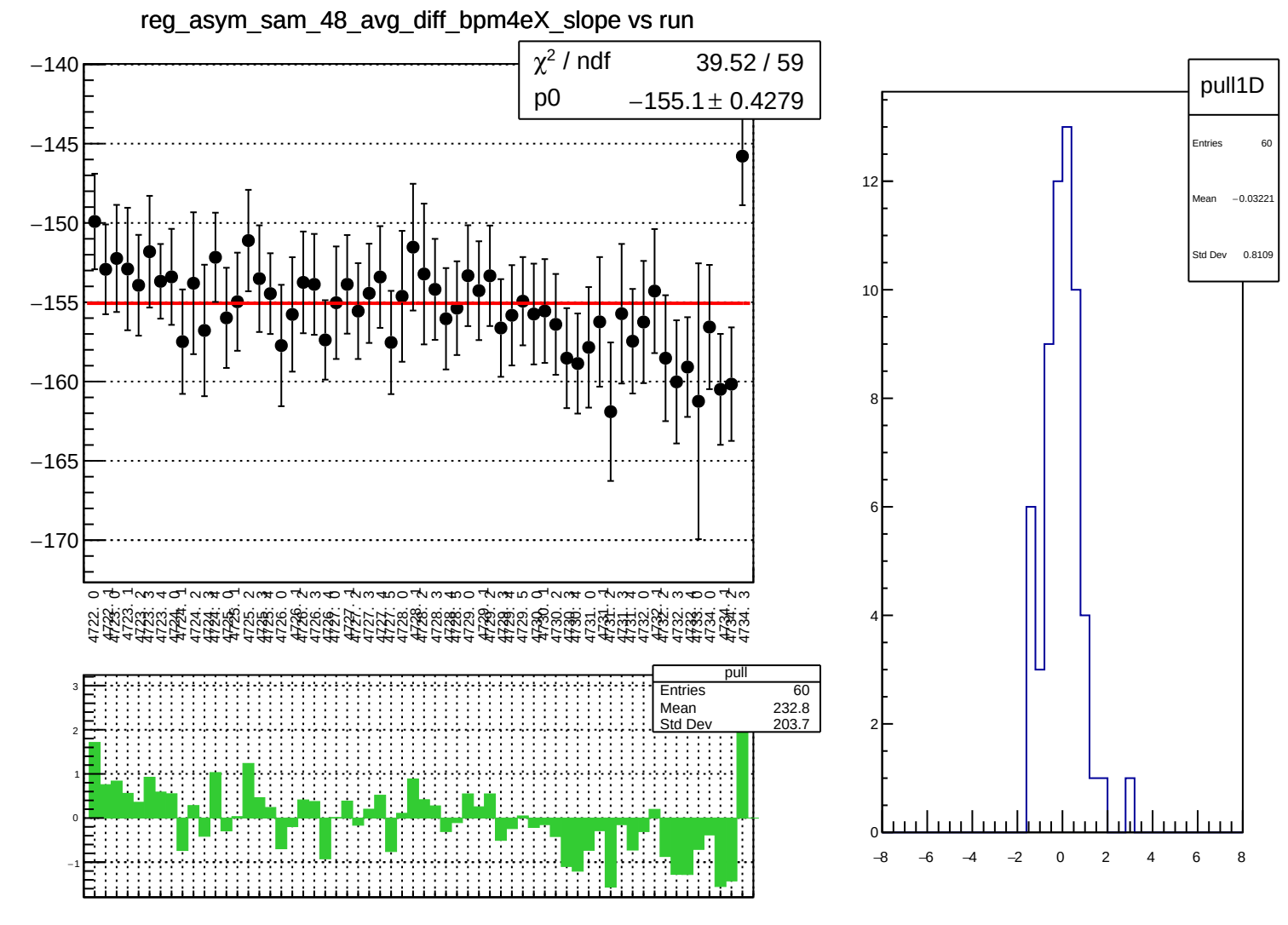

pull1D
Entries 60
Mean 0.02224
Std Dev 0.4492

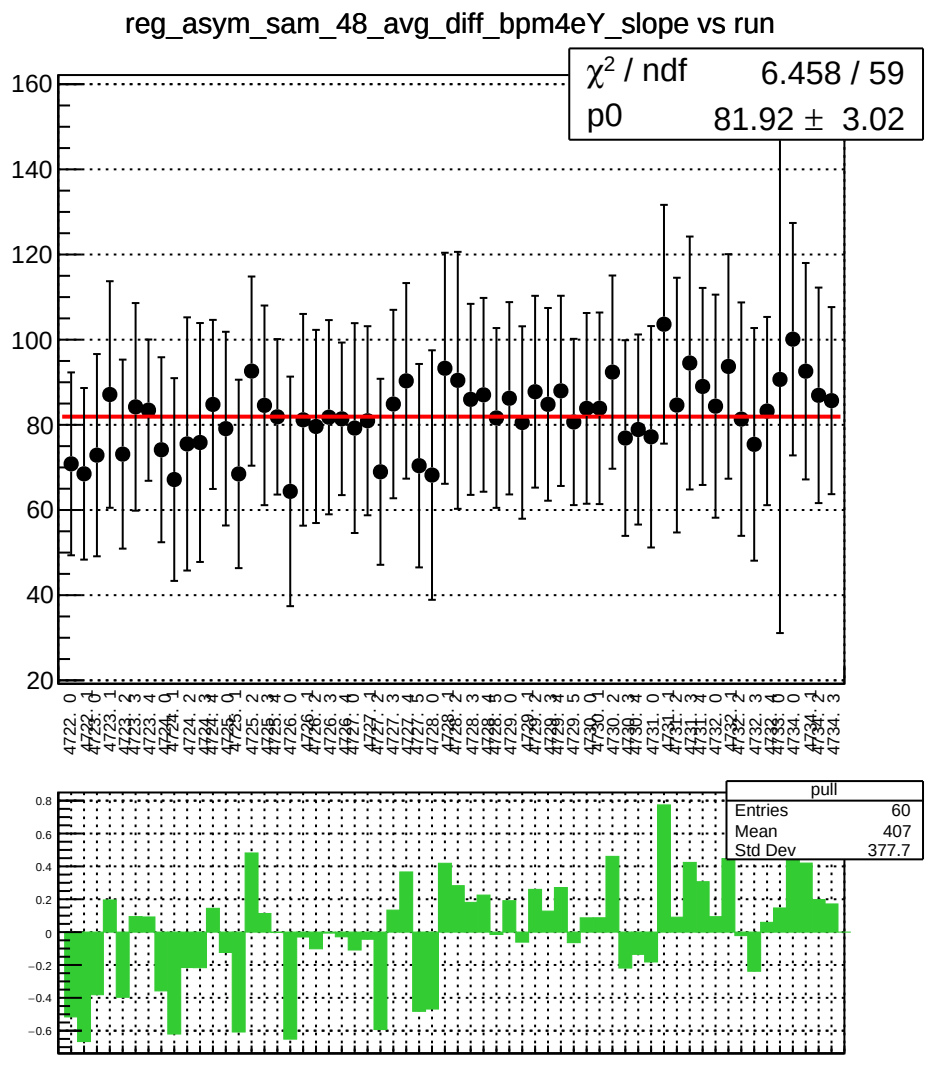

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.69 / 59
p0 87.02 ± 2.426
pull
Entries 60
Mean 103.2
Std Dev 73.43

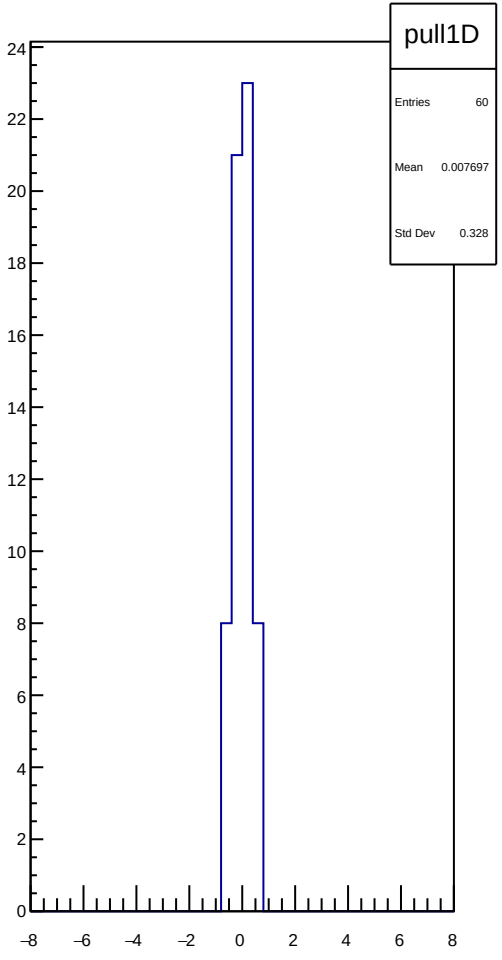

pull1D
Entries 60
Mean −0.02155
Std Dev 0.5425

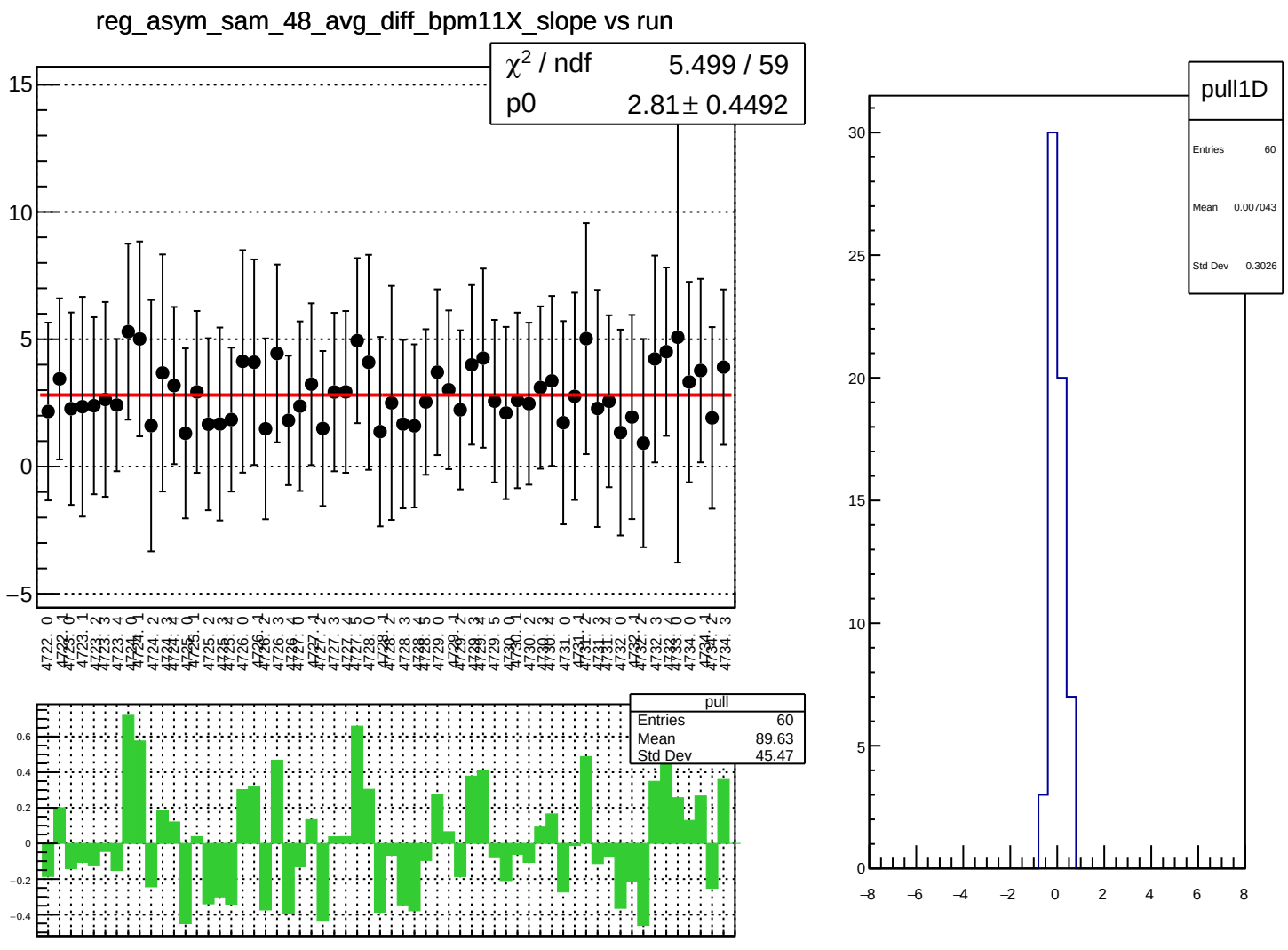

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.608 / 59
p0 −8.345 ± 2.3
pull
Entries 60
Mean 1650
Std Dev 1614

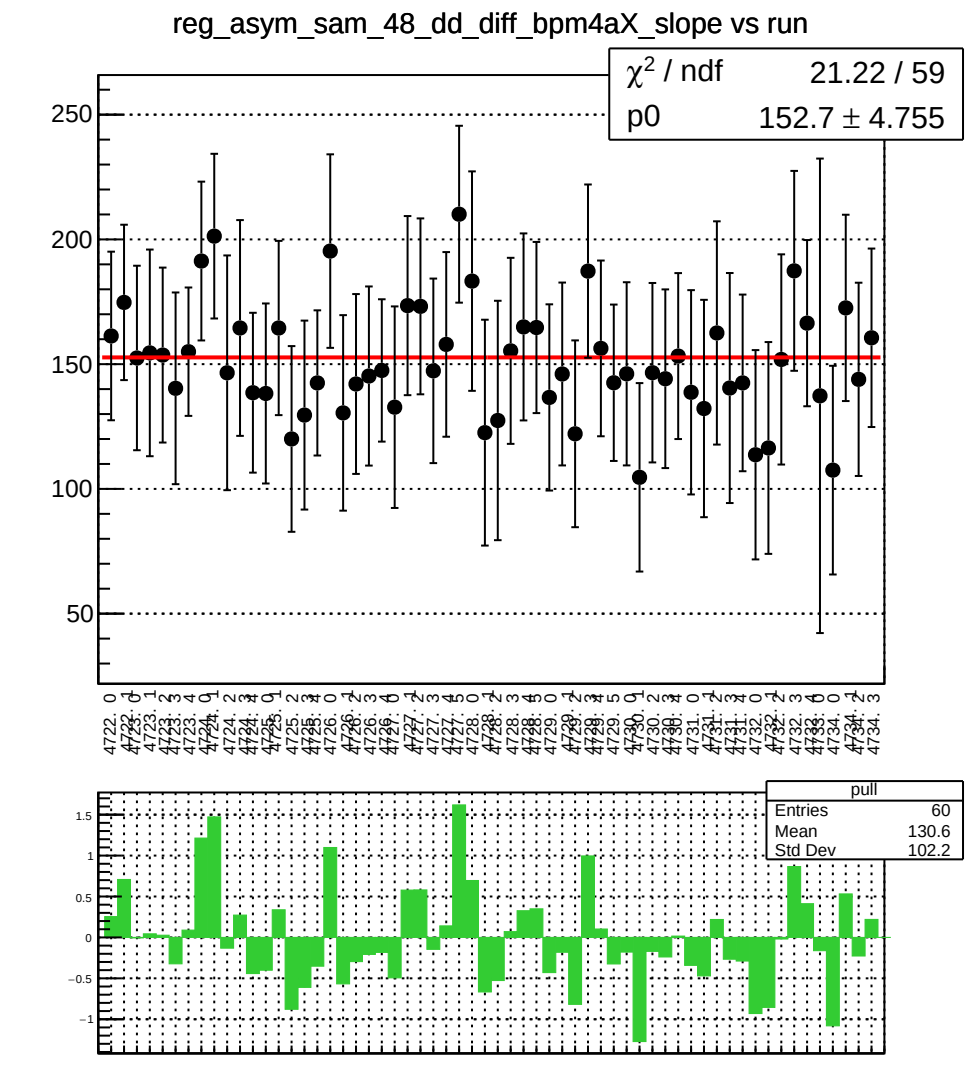

pull1D
Entries 60
Mean −0.0004791
Std Dev 0.2452

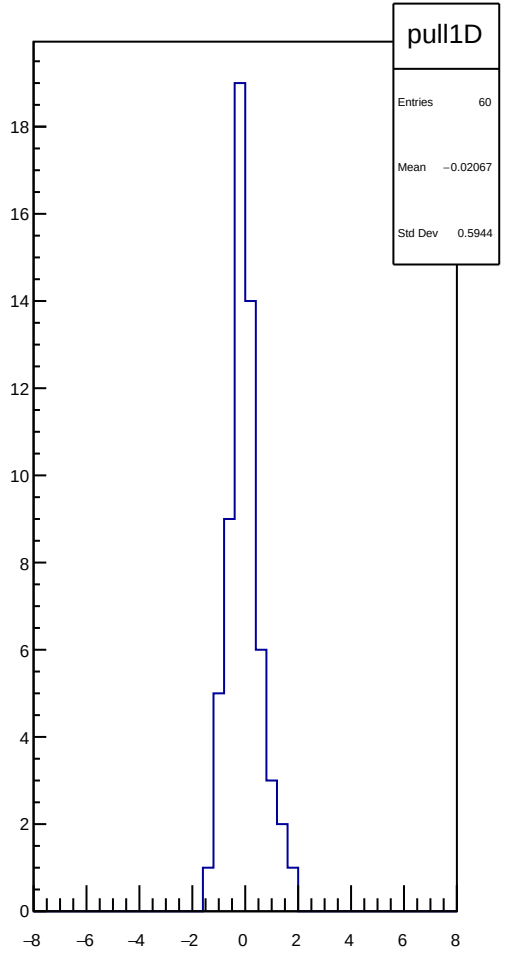

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.52 / 59
p0 −155.1 ± 0.4279
pull
Entries 60
Mean 232.8
Std Dev 203.7
pull1D
Entries 60
Mean −0.03221
Std Dev 0.8109

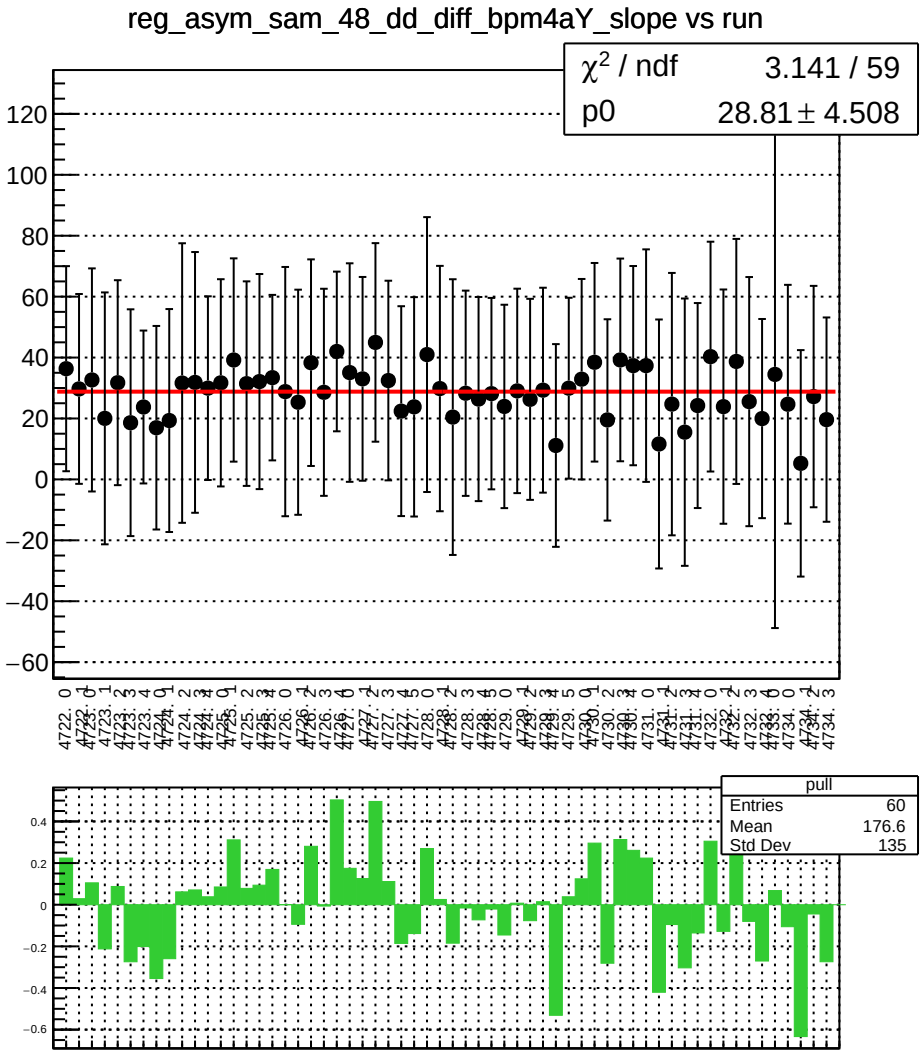

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.458 / 59
p0 81.92 ± 3.02
pull
Entries 60
Mean 407
Std Dev 377.7

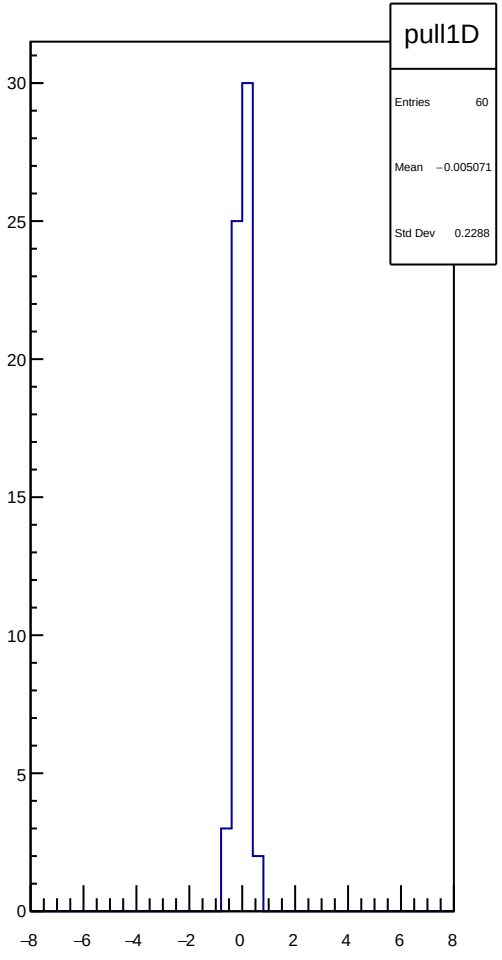

pull1D
Entries 60
Mean 0.007697
Std Dev 0.328

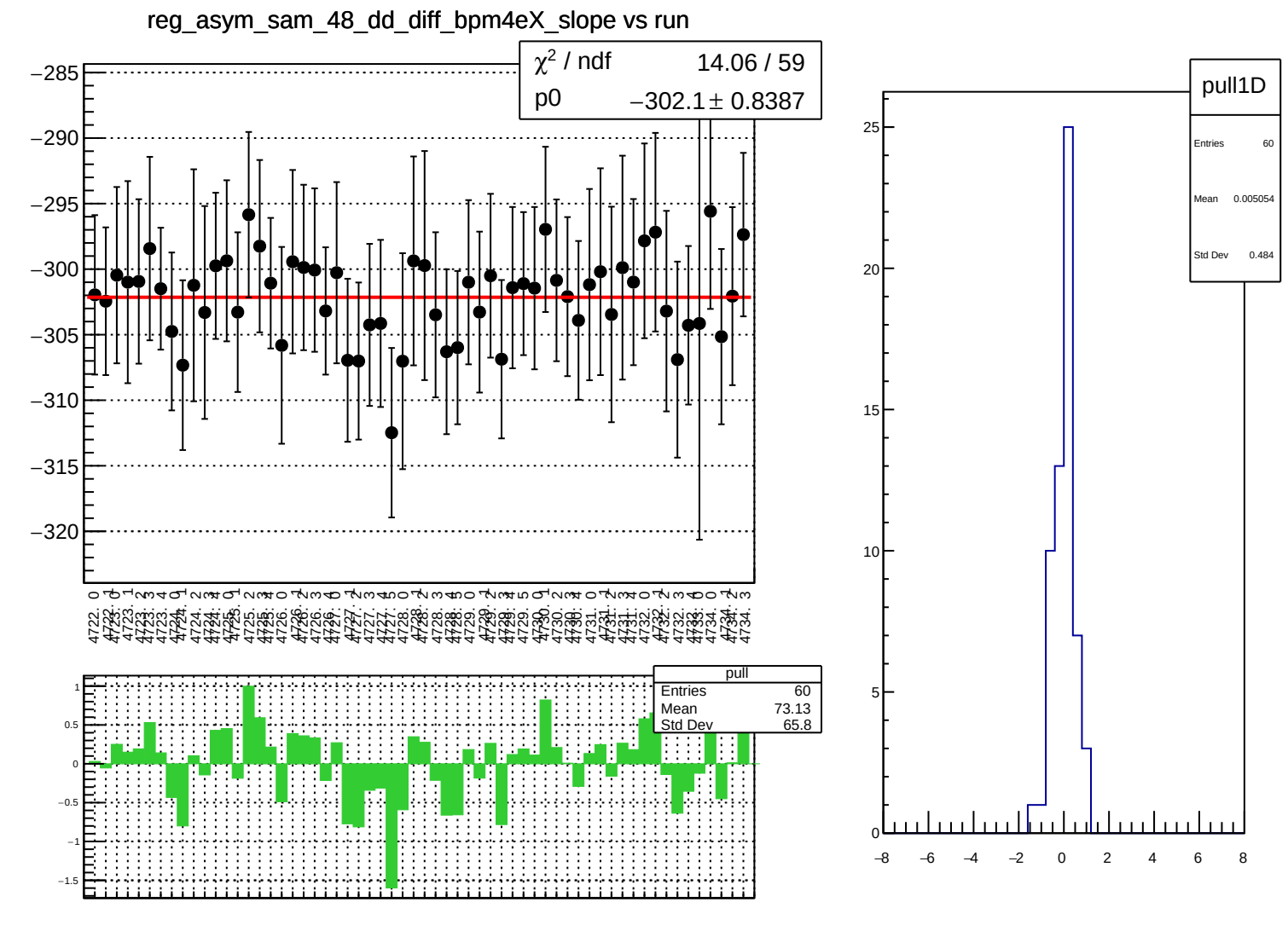

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 5.499 / 59
p0 2.81 ± 0.4492
pull
Entries 60
Mean 89.63
Std Dev 45.47
pull1D
Entries 60
Mean 0.007043
Std Dev 0.3026

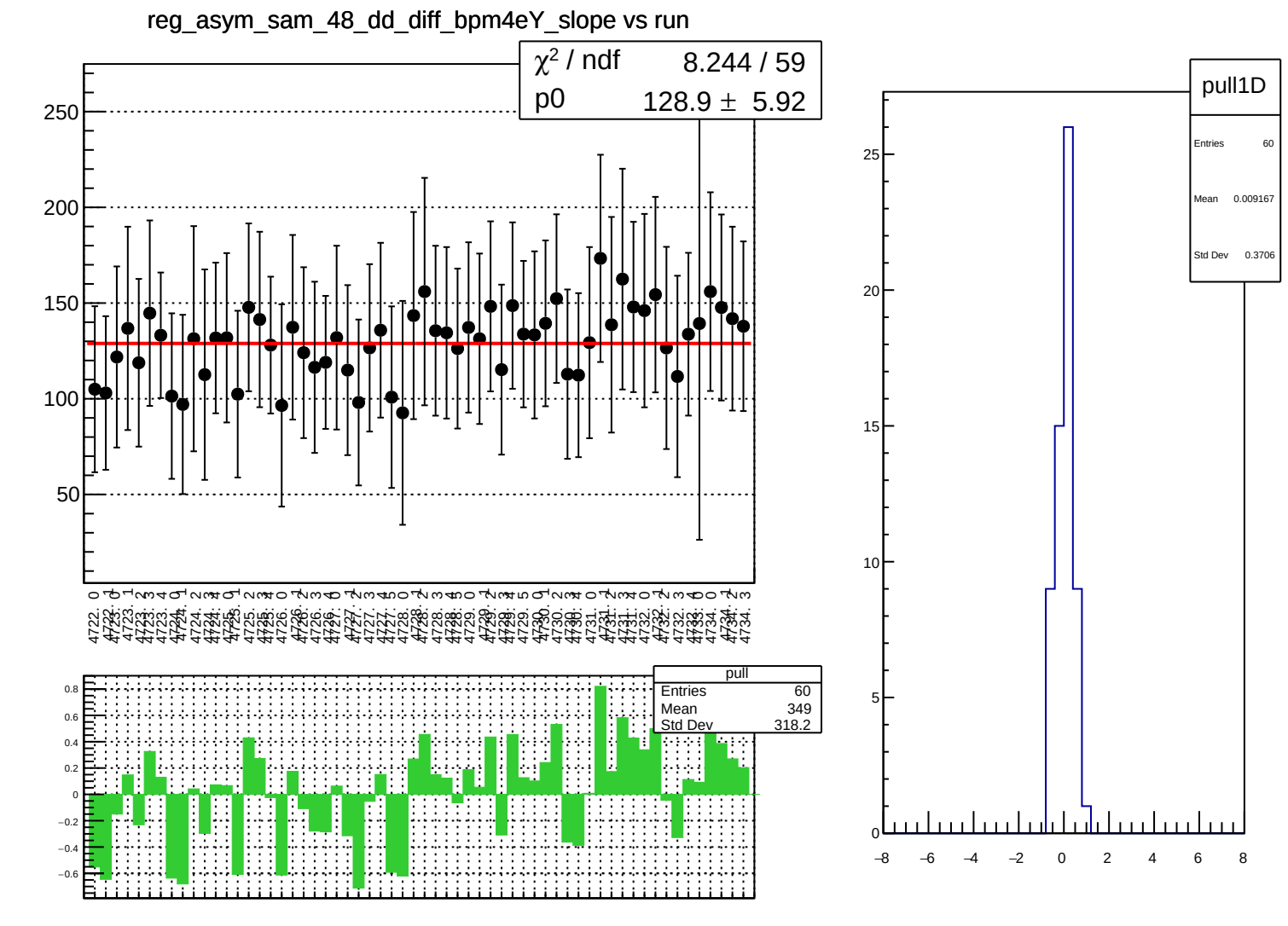

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 21.22 / 59
p0 152.7 ± 4.755
250
200
150
100
50
pull
Entries 60
Mean 130.6
Std Dev 102.2
1.5
1
0.5
0
−0.5
−1

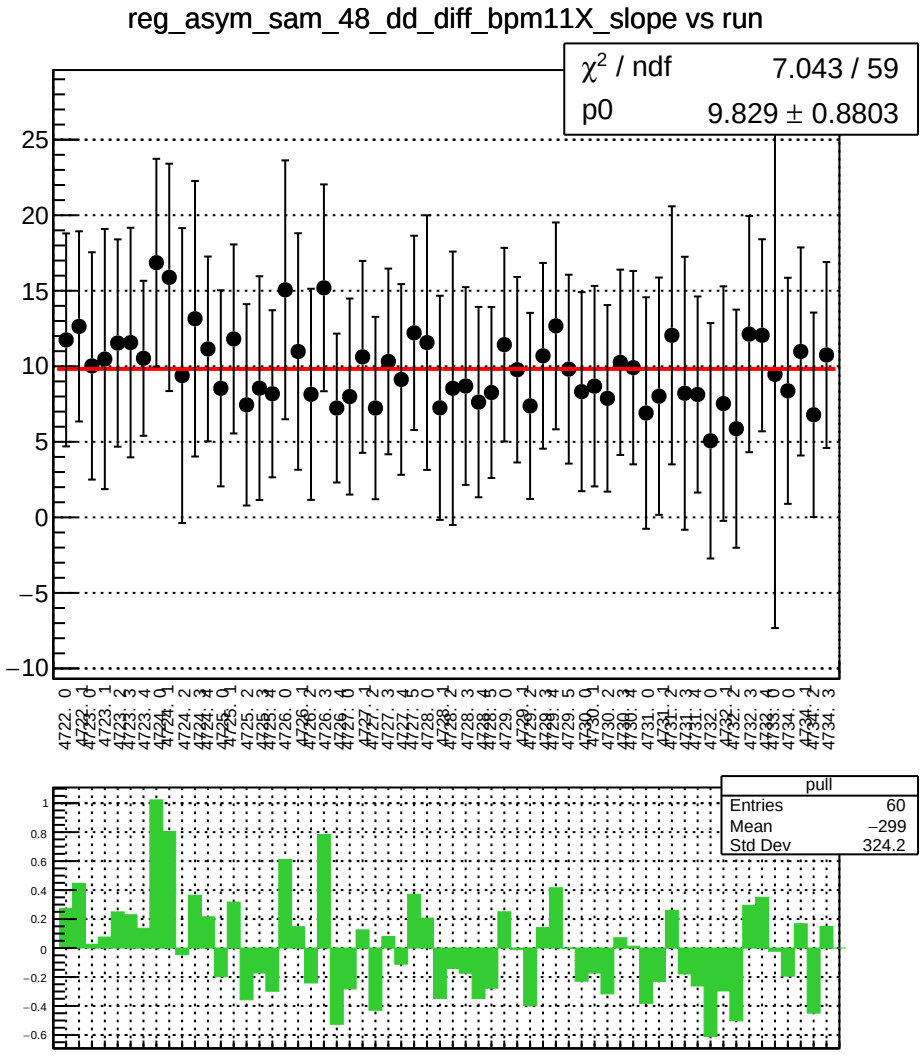

pull1D
Entries 60
Mean −0.02067
Std Dev 0.5944
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

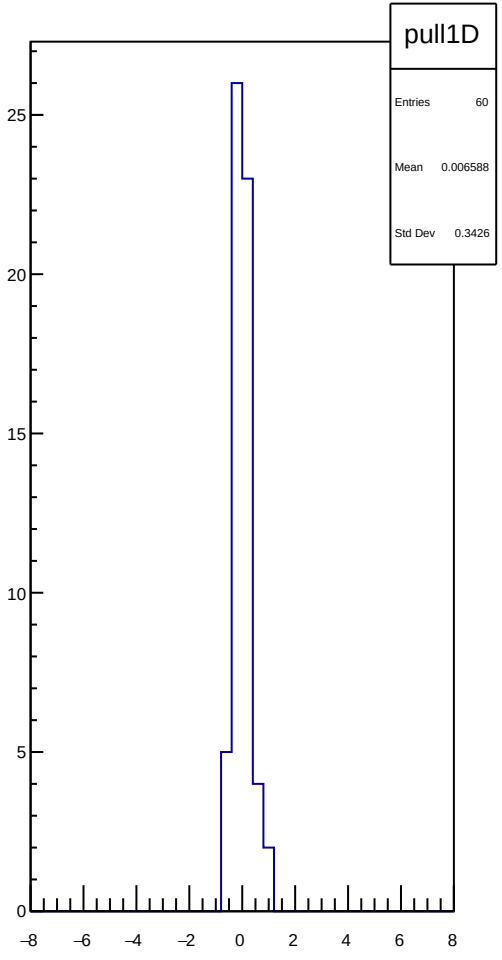

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.141 / 59
p0 28.81 ± 4.508
pull
Entries 60
Mean 176.6
Std Dev 135

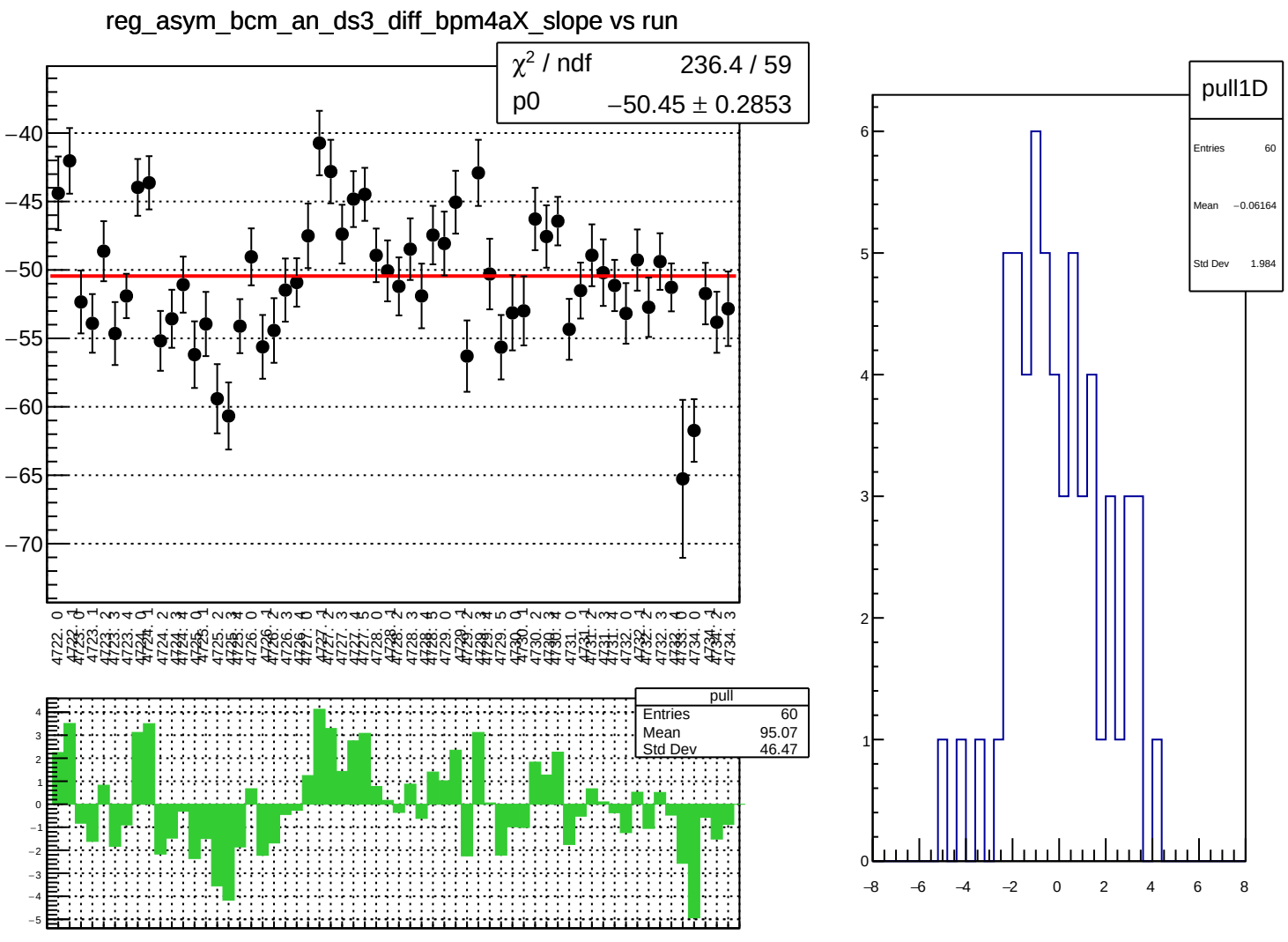

pull1D
Entries 60
Mean −0.005071
Std Dev 0.2288

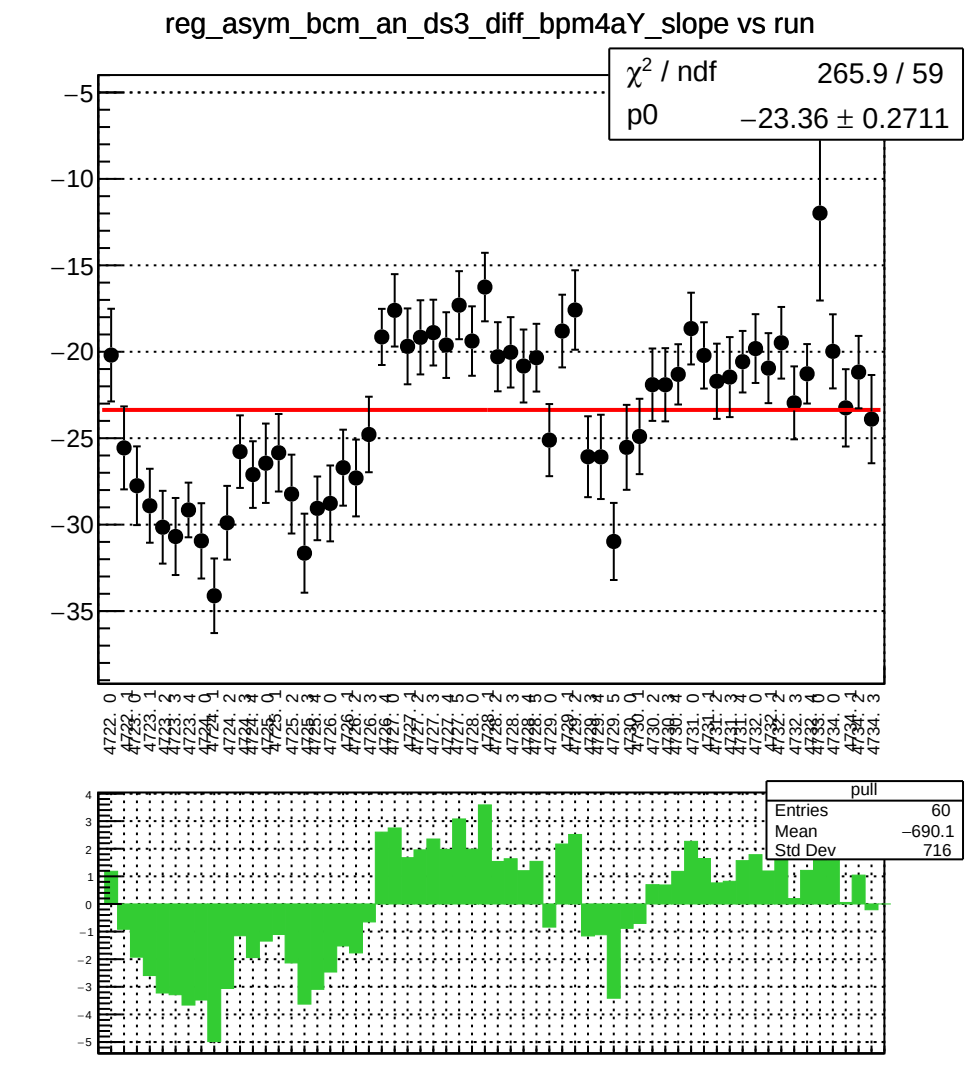

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.06 / 59
p0 −302.1 ± 0.8387
pull
Entries 60
Mean 73.13
Std Dev 65.8
pull1D
Entries 60
Mean 0.005054
Std Dev 0.484

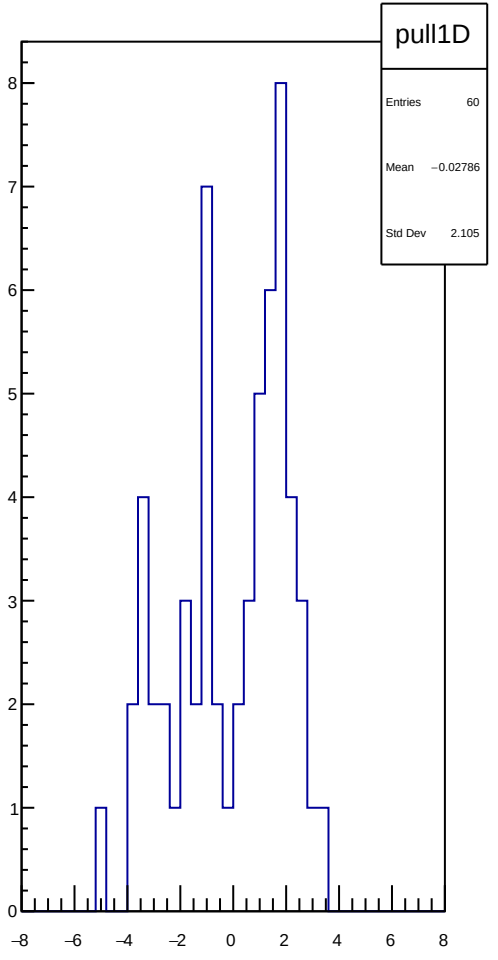

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.244 / 59
p0 128.9 ± 5.92
250
200
150
100
50
pull
Entries 60
Mean 349
Std Dev 318.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 60
Mean 0.009167
Std Dev 0.3706
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

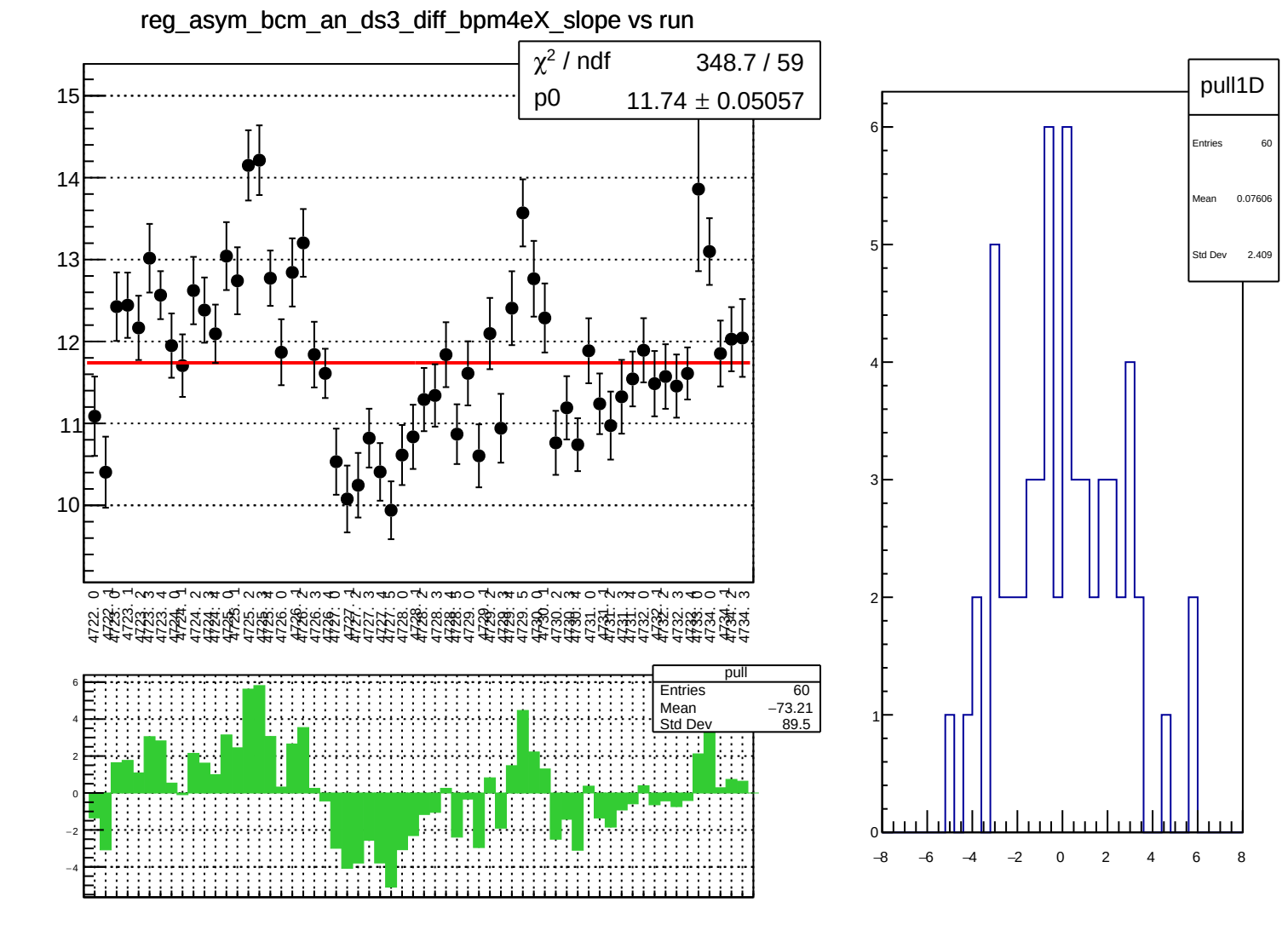

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 7.043 / 59
p0 9.829 ± 0.8803
pull
Entries 60
Mean −299
Std Dev 324.2

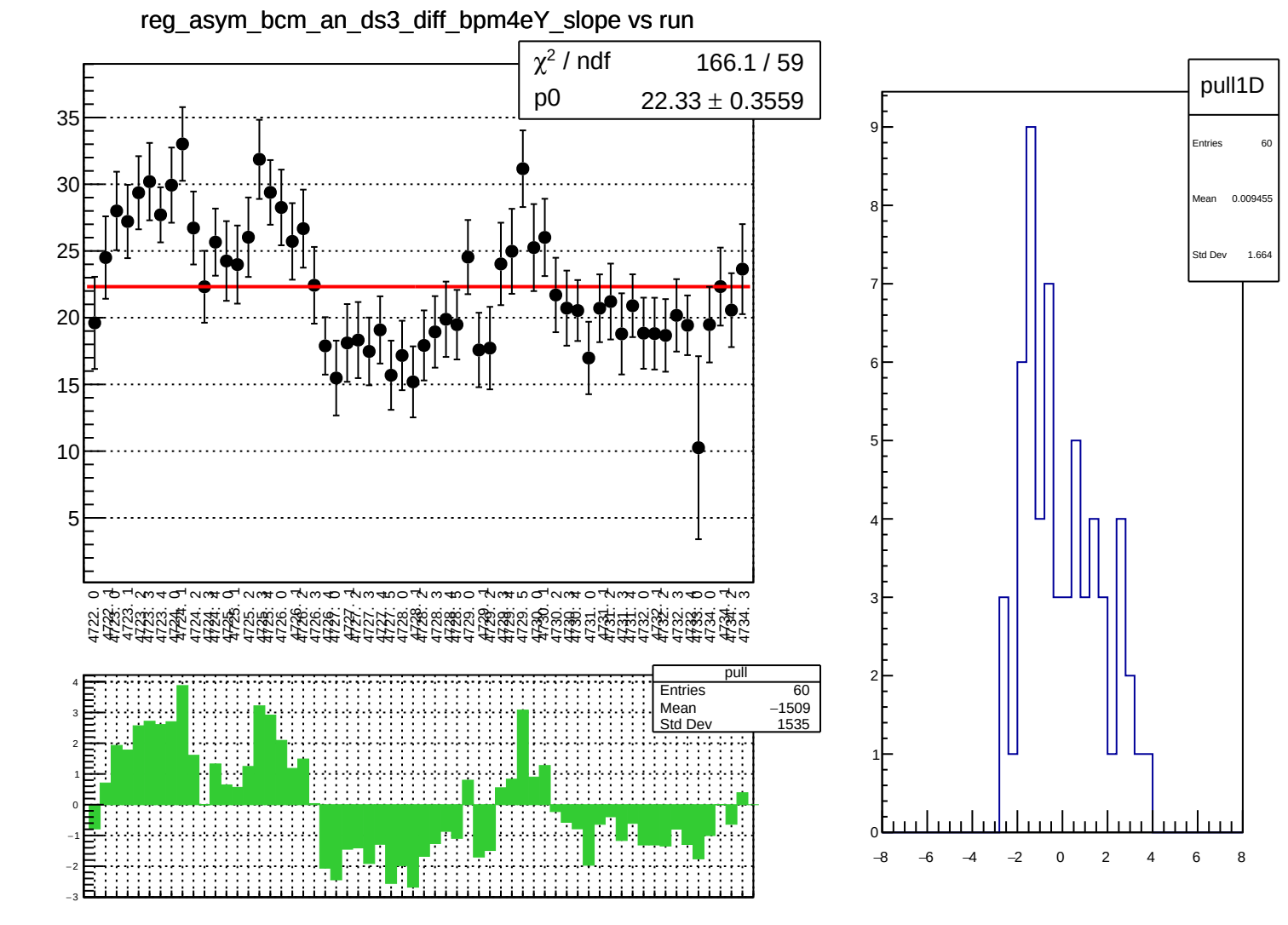

pull1D
Entries 60
Mean 0.006588
Std Dev 0.3426

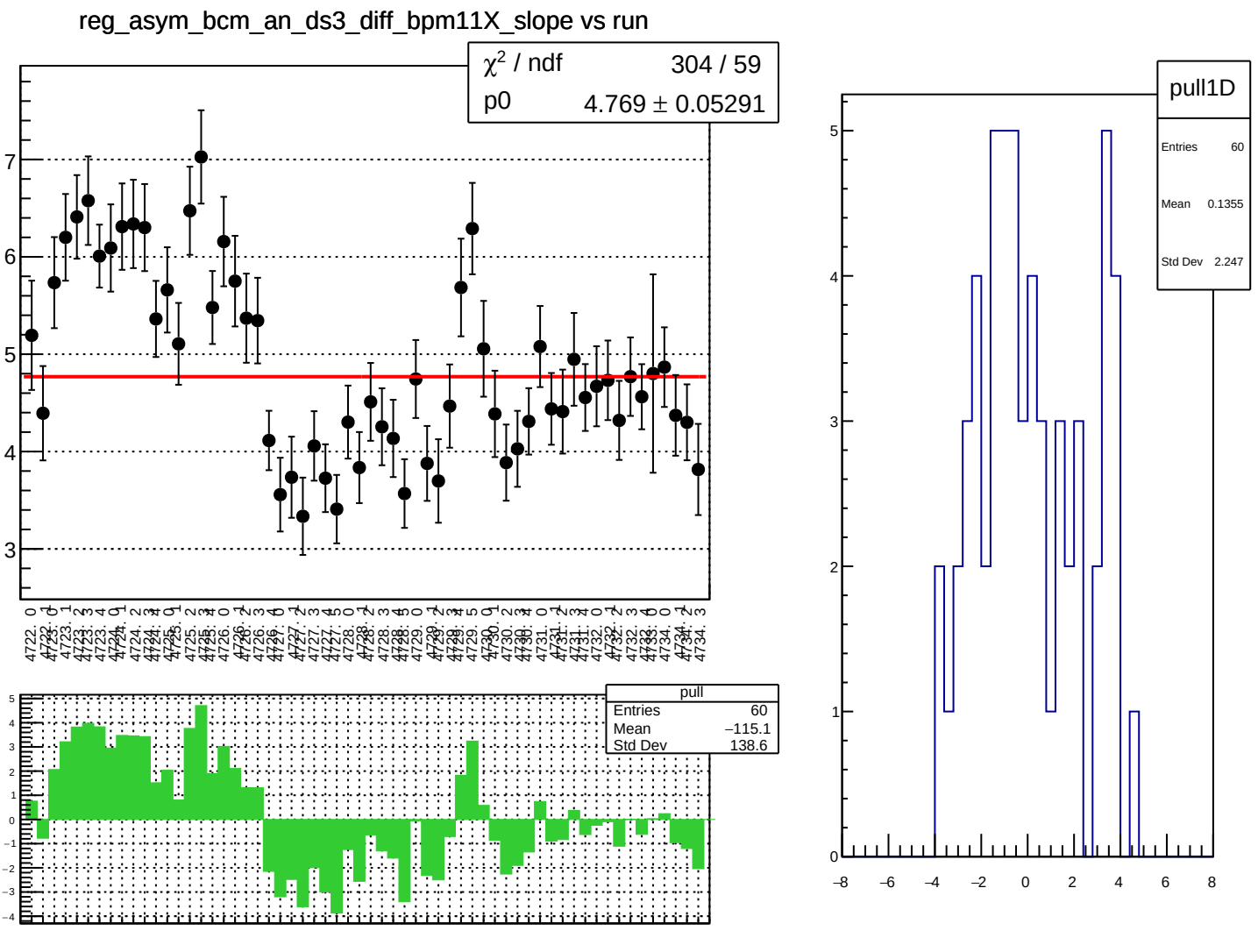

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 236.4 / 59
p0 −50.45 ± 0.2853
pull
Entries 60
Mean 95.07
Std Dev 46.47
pull1D
Entries 60
Mean −0.06164
Std Dev 1.984

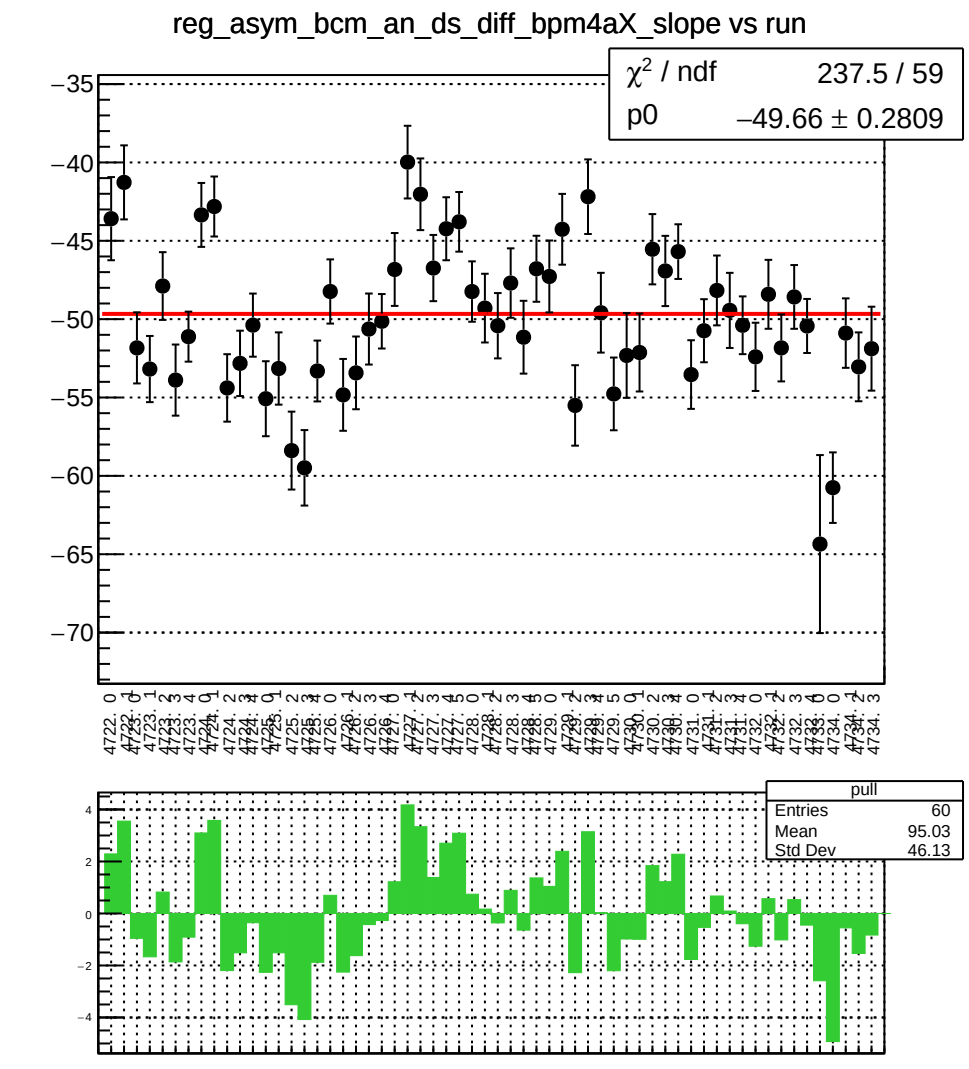

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 265.9 / 59
p0 −23.36 ± 0.2711
pull
Entries 60
Mean −690.1
Std Dev 716

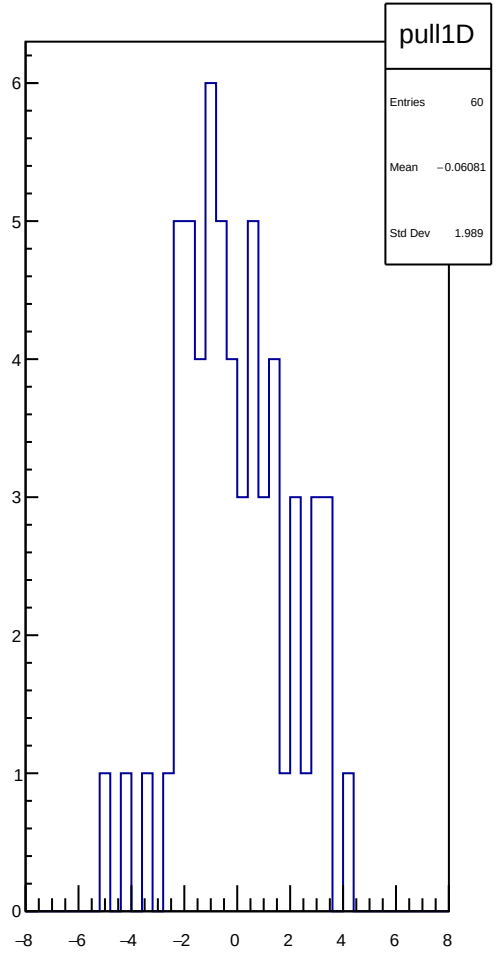

pull1D
Entries 60
Mean −0.02786
Std Dev 2.105

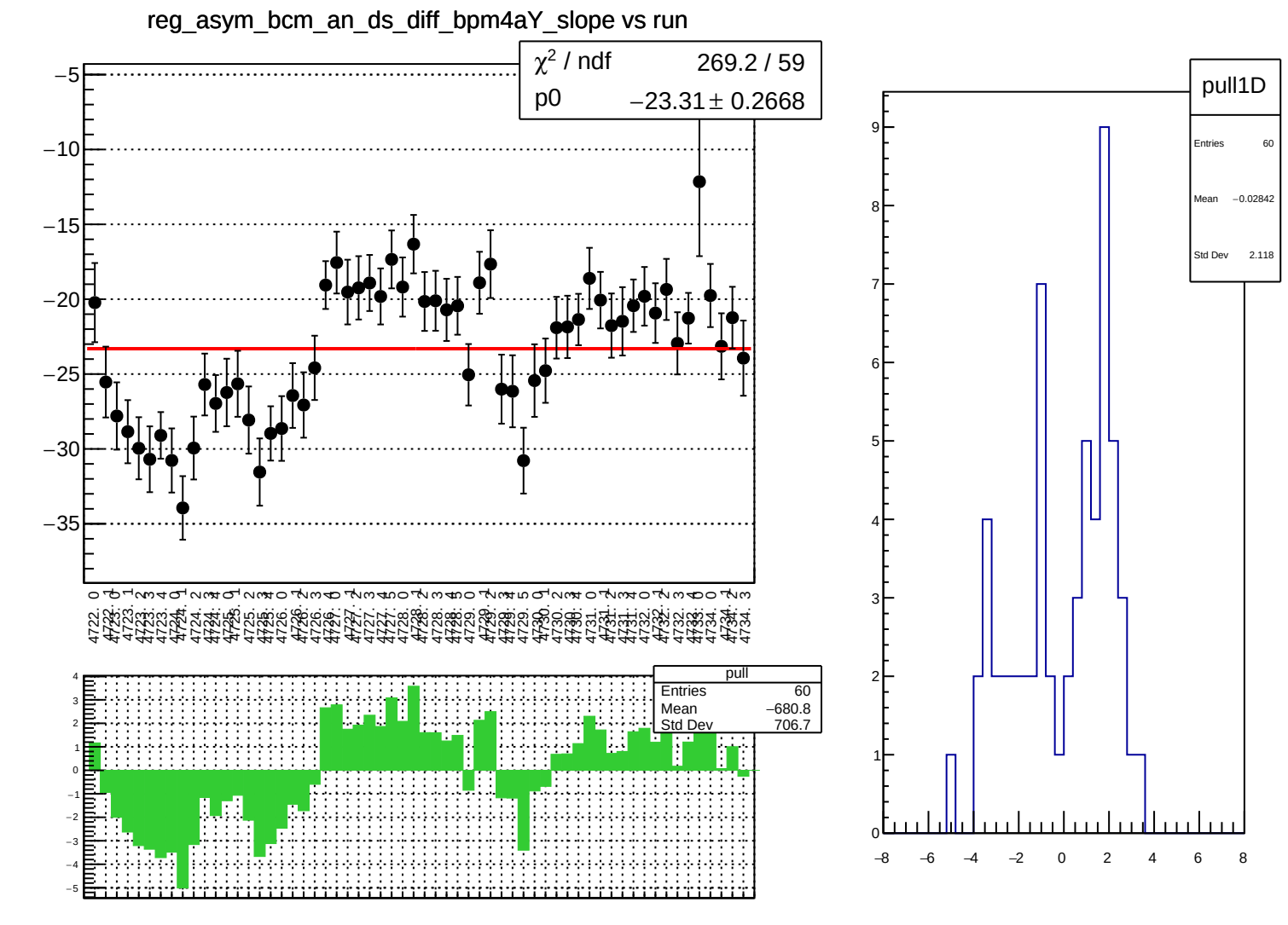

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 348.7 / 59
p0 11.74 ± 0.05057
pull
Entries 60
Mean −73.21
Std Dev 89.5
pull1D
Entries 60
Mean 0.07606
Std Dev 2.409

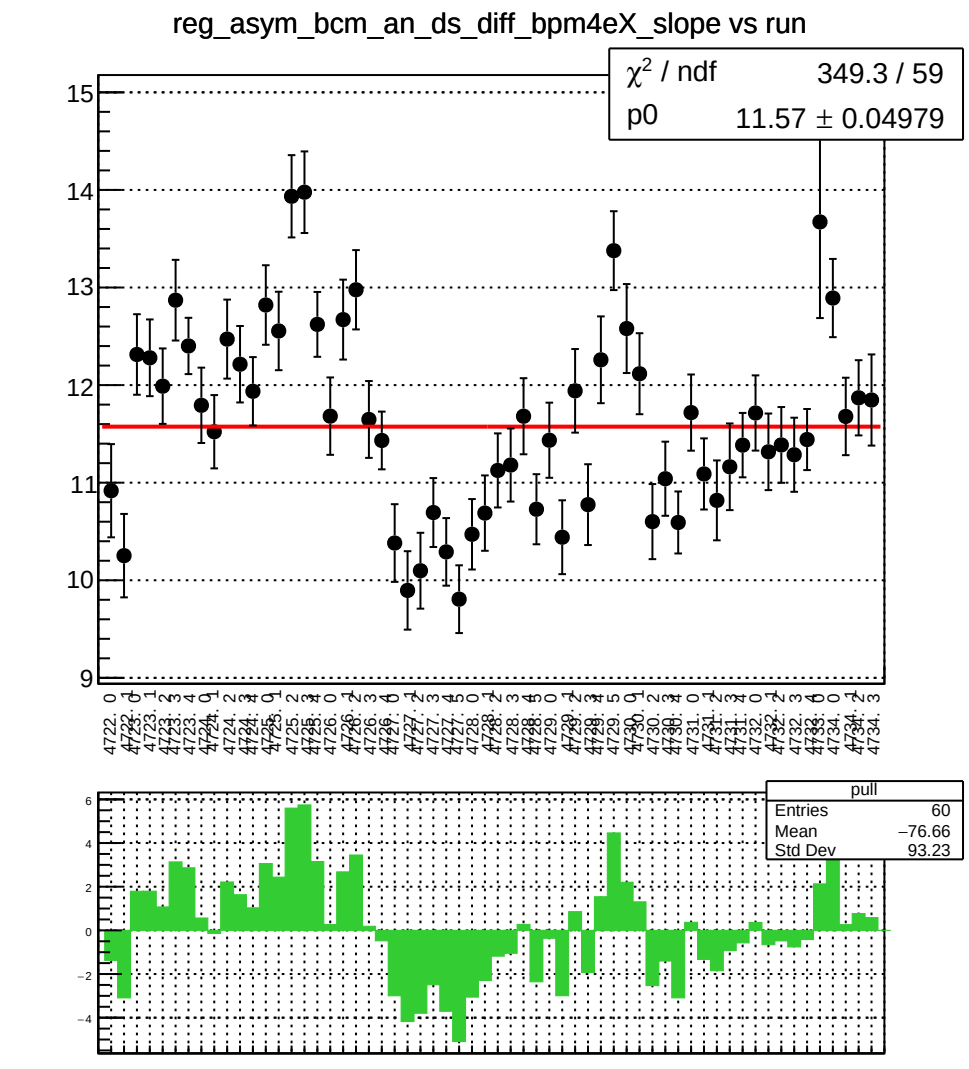

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 166.1 / 59
p0 22.33 ± 0.3559
pull
Entries 60
Mean −1509
Std Dev 1535
pull1D
Entries 60
Mean 0.009455
Std Dev 1.664

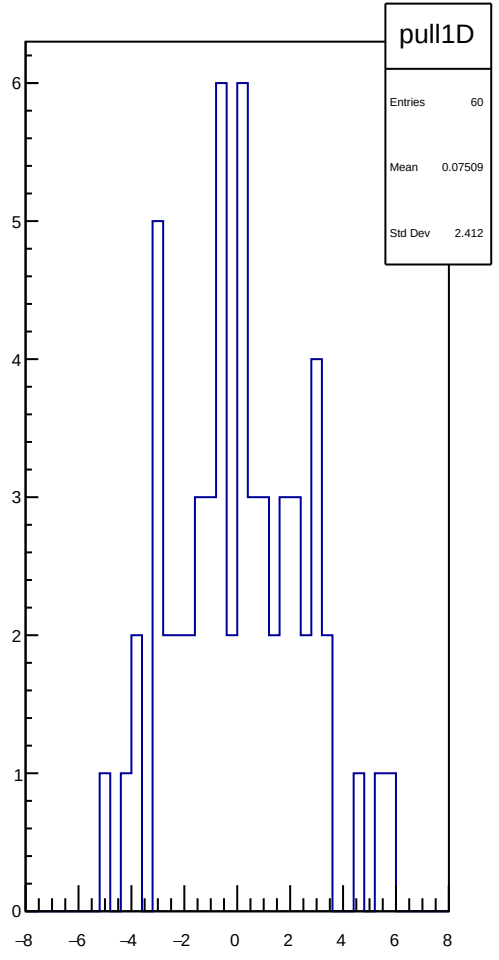

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 304 / 59
p0 4.769 ± 0.05291
pull
Entries 60
Mean −115.1
Std Dev 138.6
pull1D
Entries 60
Mean 0.1355
Std Dev 2.247

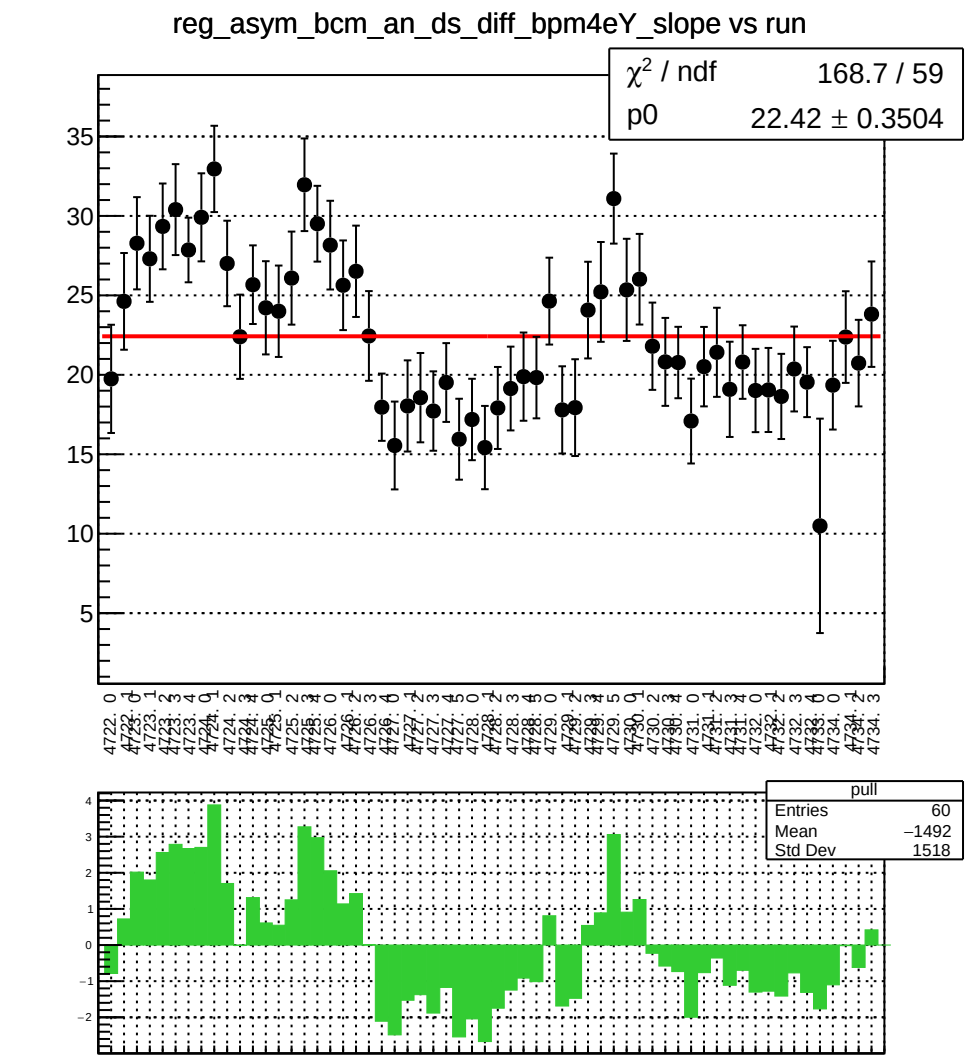

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 237.5 / 59
p0 −49.66 ± 0.2809
pull
Entries 60
Mean 95.03
Std Dev 46.13

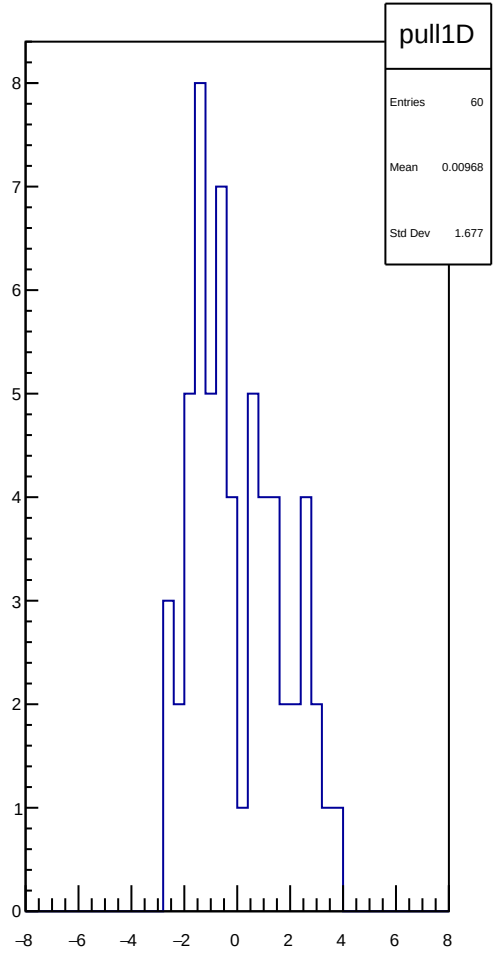

pull1D
Entries 60
Mean −0.06081
Std Dev 1.989

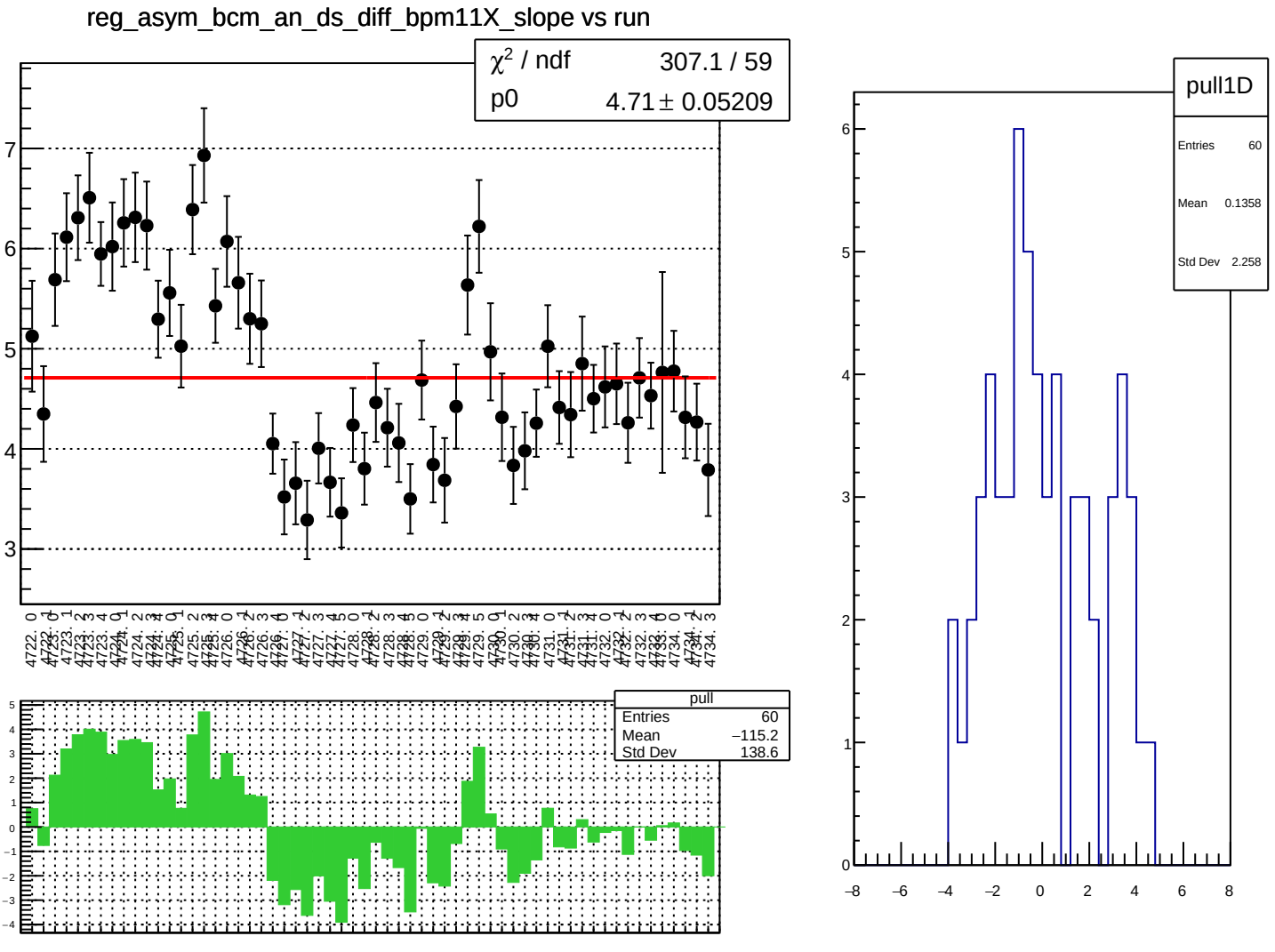

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 269.2 / 59
p0 −23.31 ± 0.2668
pull
Entries 60
Mean −680.8
Std Dev 706.7
pull1D
Entries 60
Mean −0.02842
Std Dev 2.118

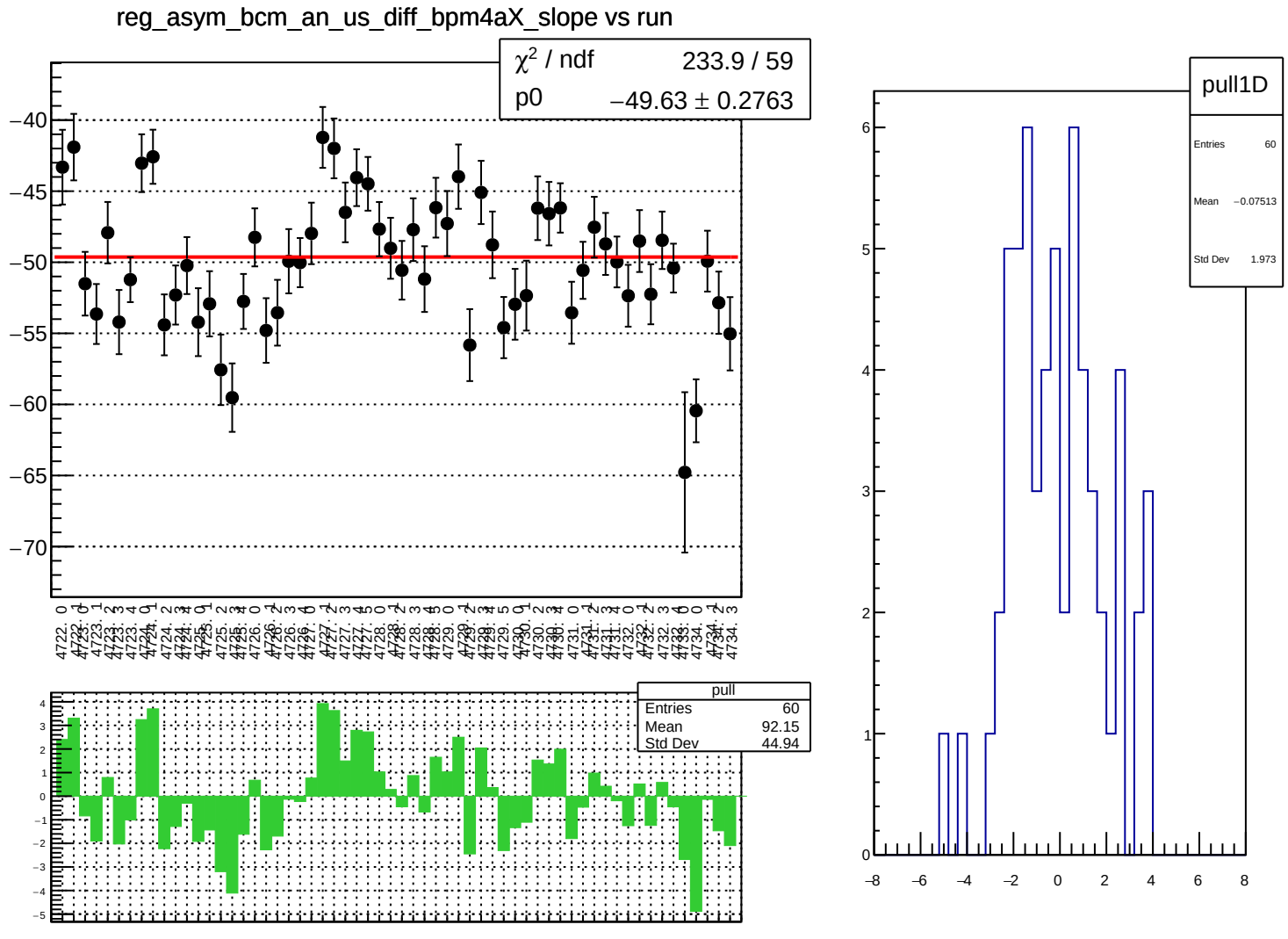

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 349.3 / 59
p0 11.57 ± 0.04979
pull
Entries 60
Mean −76.66
Std Dev 93.23

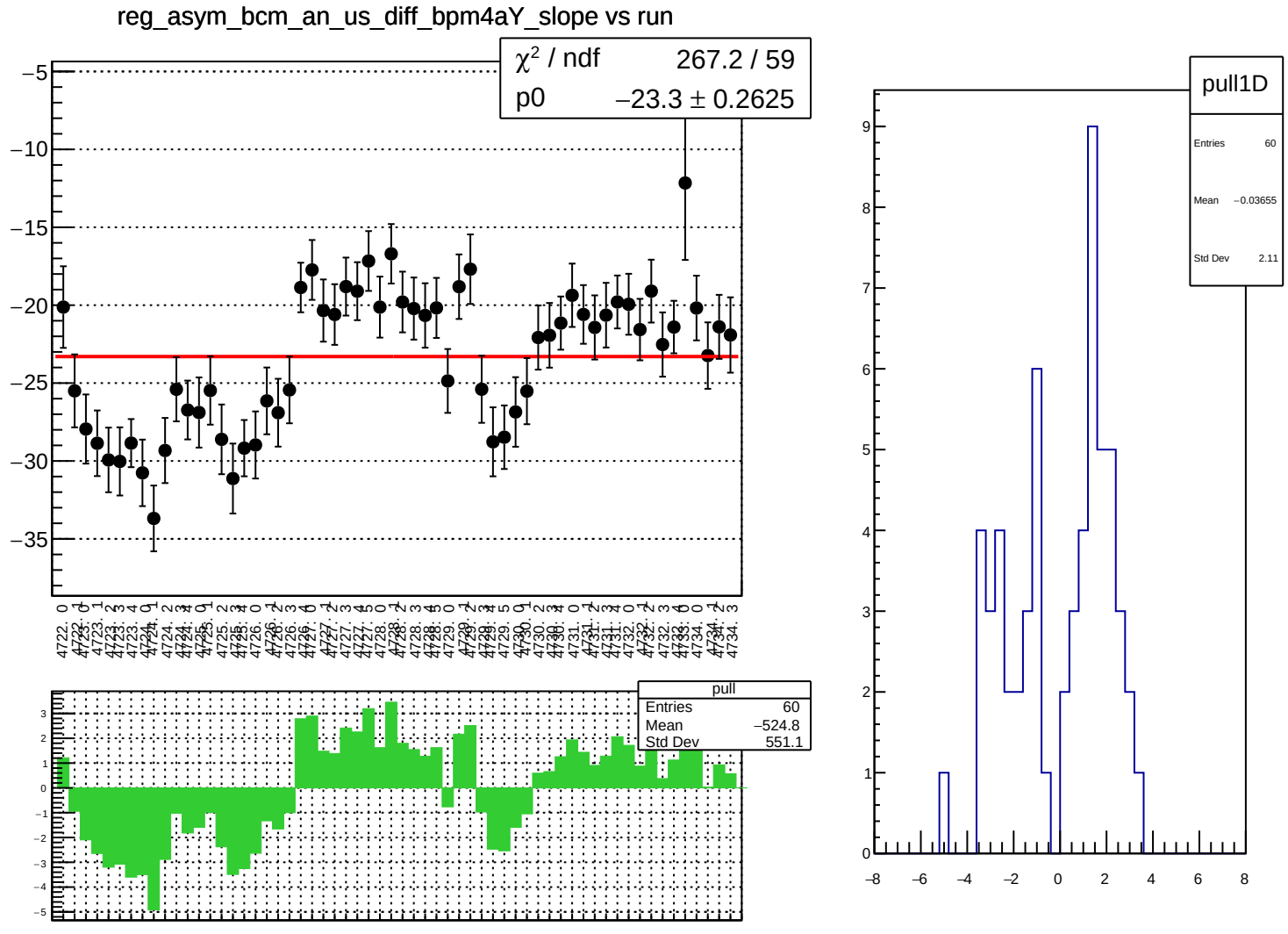

pull1D
Entries 60
Mean 0.07509
Std Dev 2.412

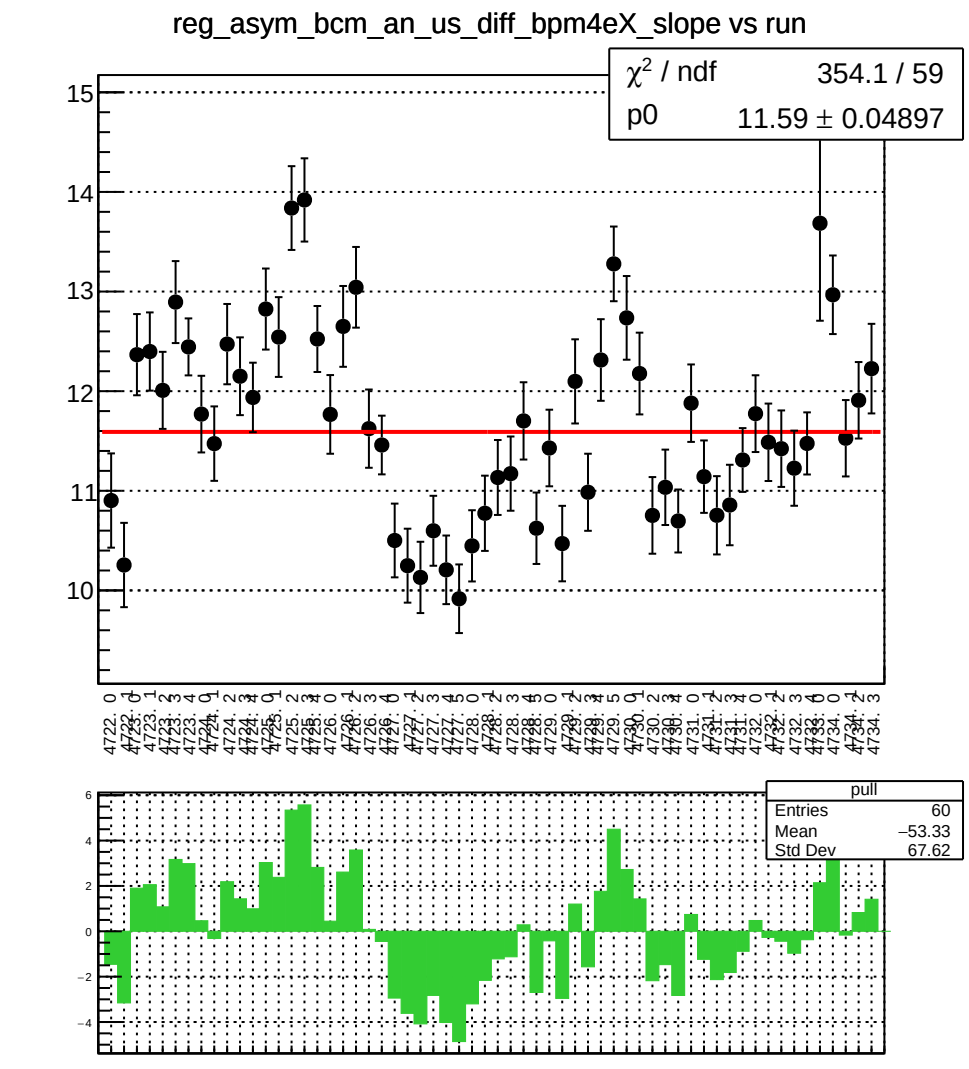

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 168.7 / 59
p0 22.42 ± 0.3504
pull
Entries 60
Mean −1492
Std Dev 1518

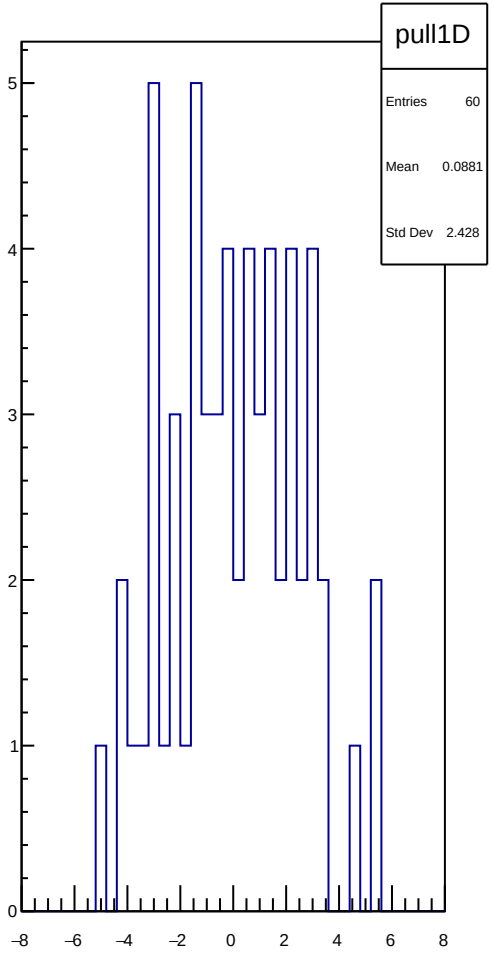

pull1D
Entries 60
Mean 0.00968
Std Dev 1.677

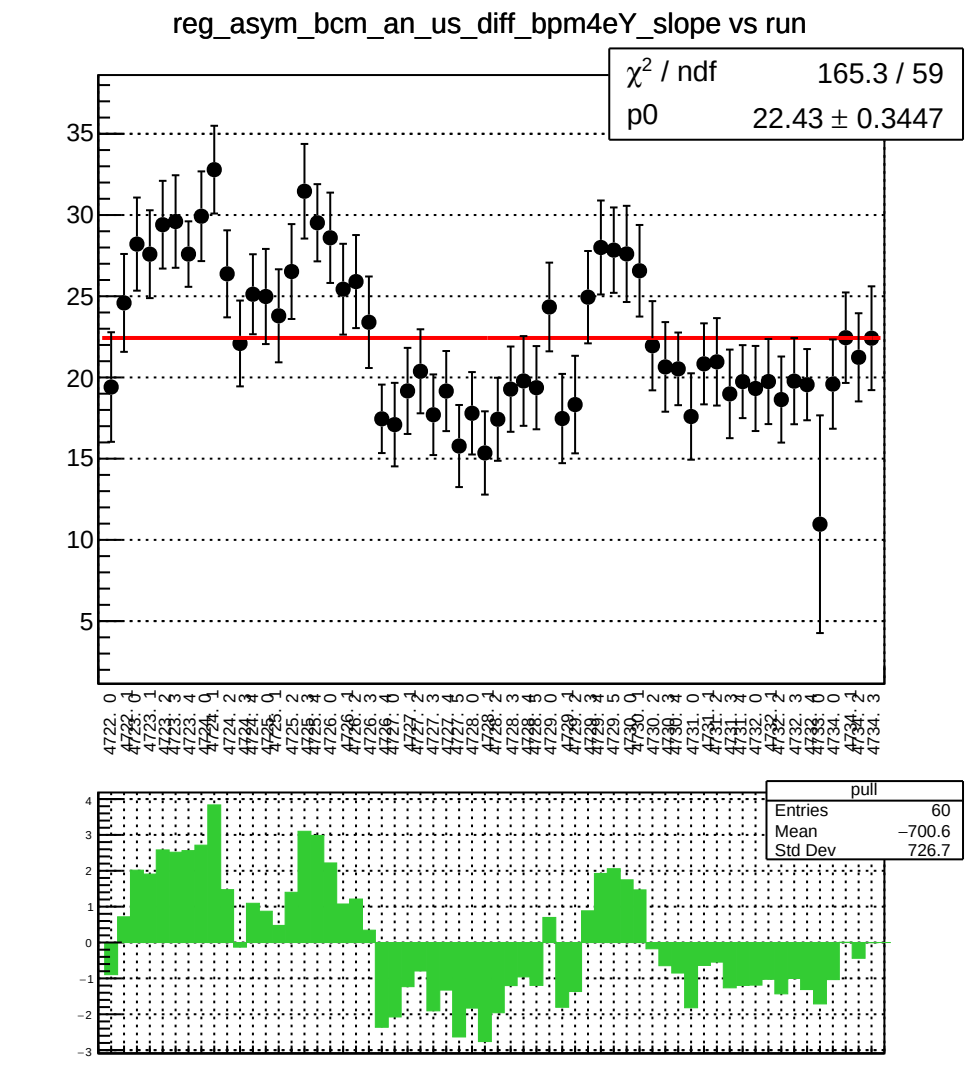

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 307.1 / 59
p0 4.71 ± 0.05209
pull
Entries 60
Mean −115.2
Std Dev 138.6
pull1D
Entries 60
Mean 0.1358
Std Dev 2.258

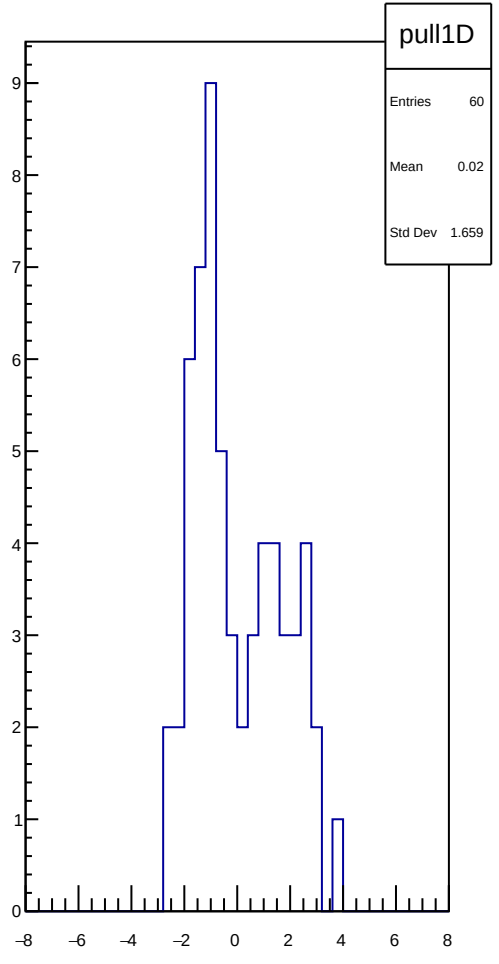

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 233.9 / 59
p0 −49.63 ± 0.2763
pull
Entries 60
Mean 92.15
Std Dev 44.94
pull1D
Entries 60
Mean −0.07513
Std Dev 1.973

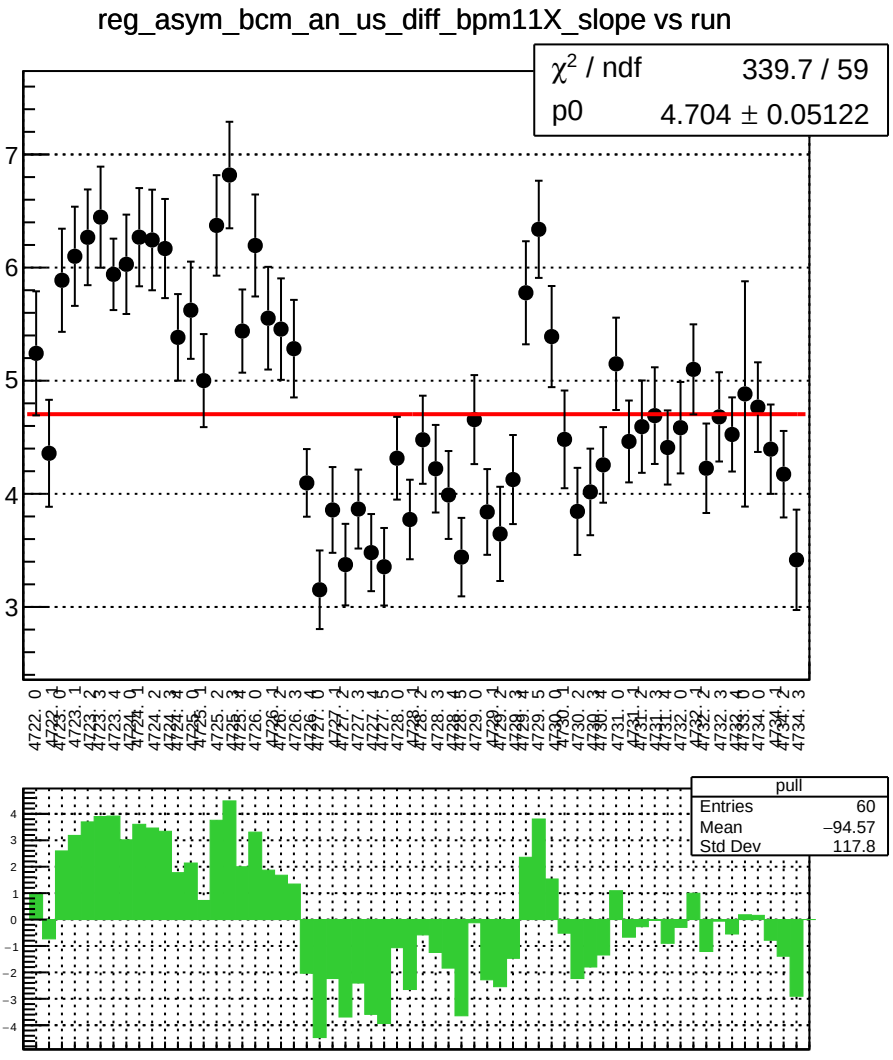

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 267.2 / 59
p0 −23.3 ± 0.2625
pull
Entries 60
Mean −524.8
Std Dev 551.1
pull1D
Entries 60
Mean −0.03655
Std Dev 2.11

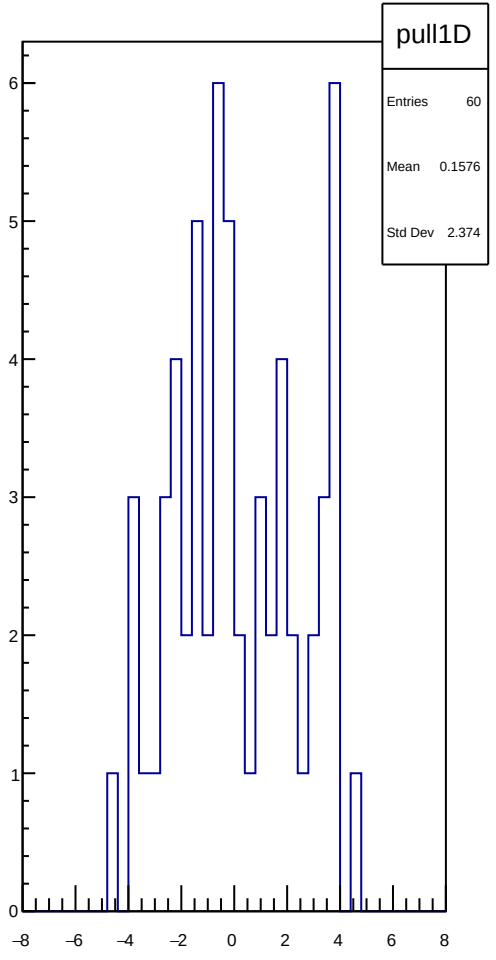

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 354.1 / 59
p0 11.59 ± 0.04897
pull
Entries 60
Mean −53.33
Std Dev 67.62

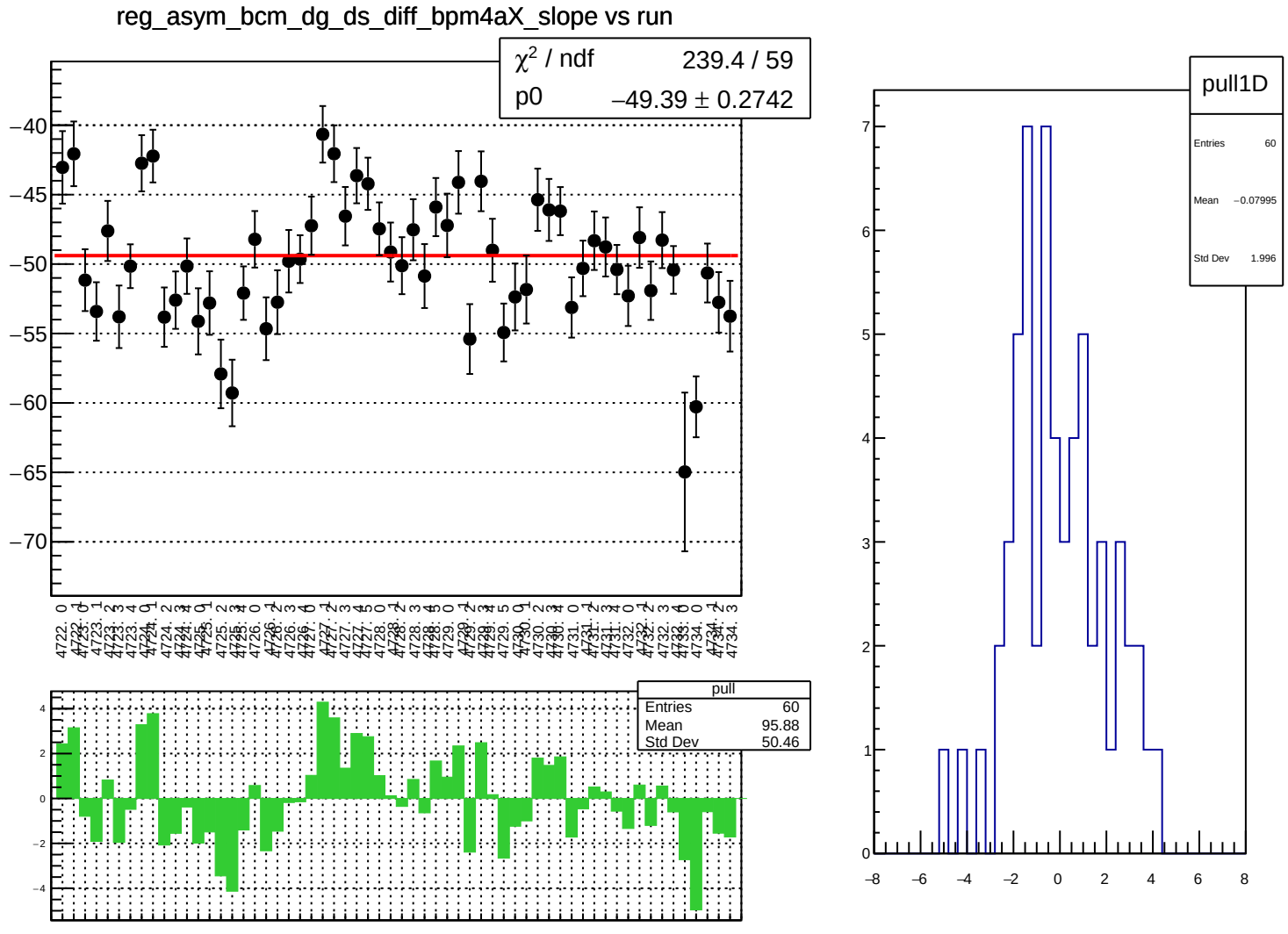

pull1D
Entries 60
Mean 0.0881
Std Dev 2.428

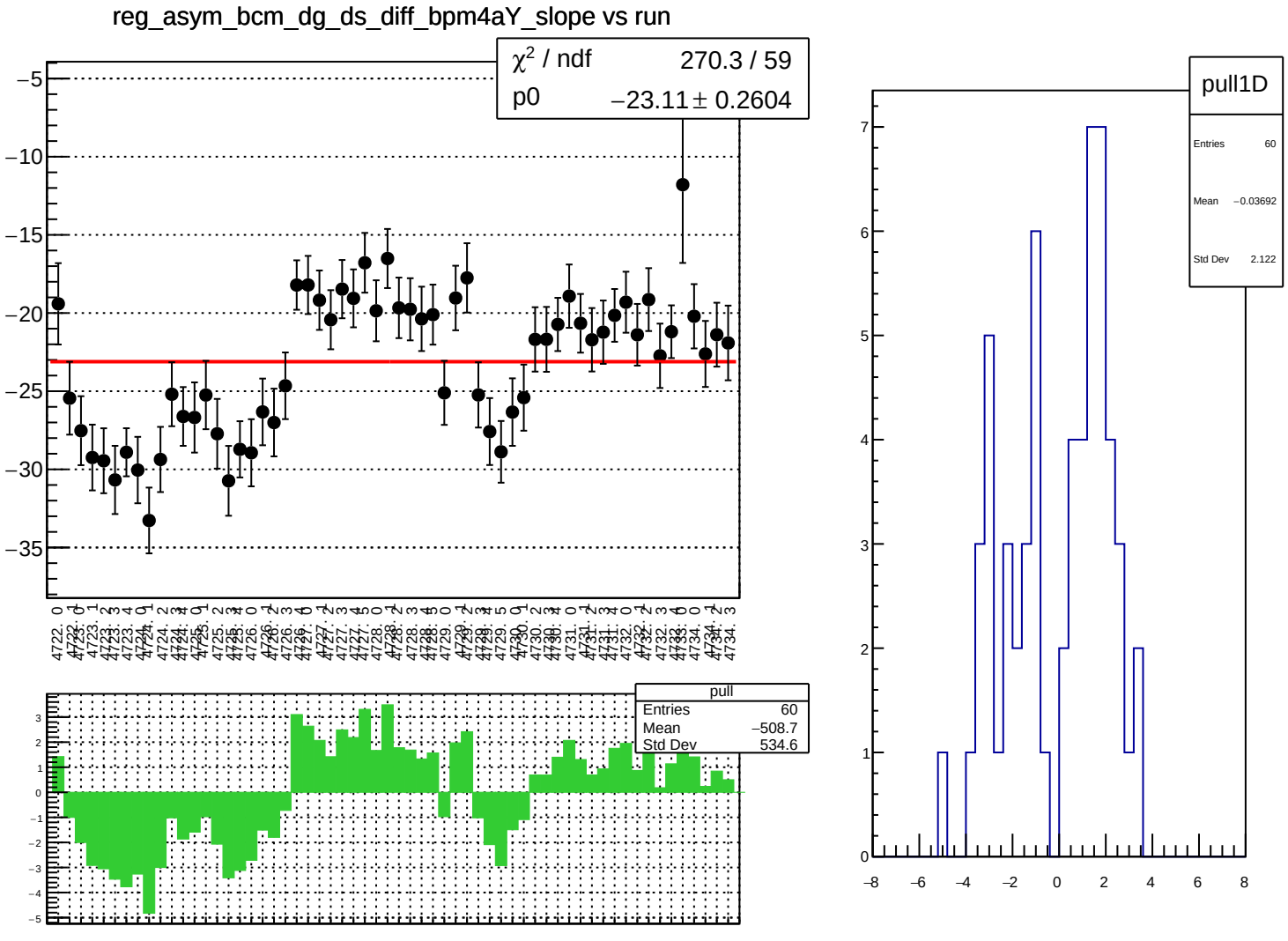

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 165.3 / 59
p0 22.43 ± 0.3447
pull
Entries 60
Mean −700.6
Std Dev 726.7

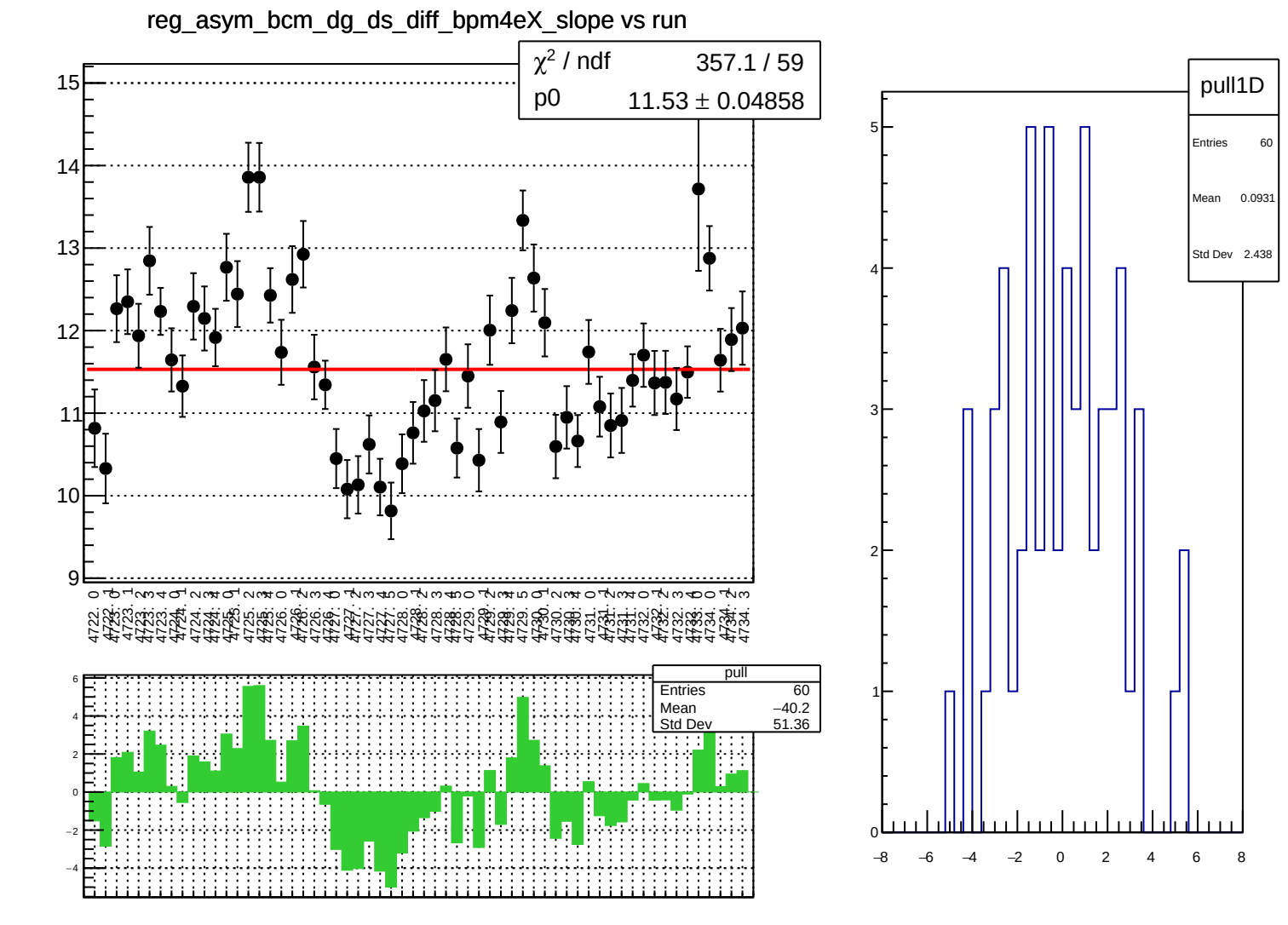

pull1D
Entries 60
Mean 0.02
Std Dev 1.659

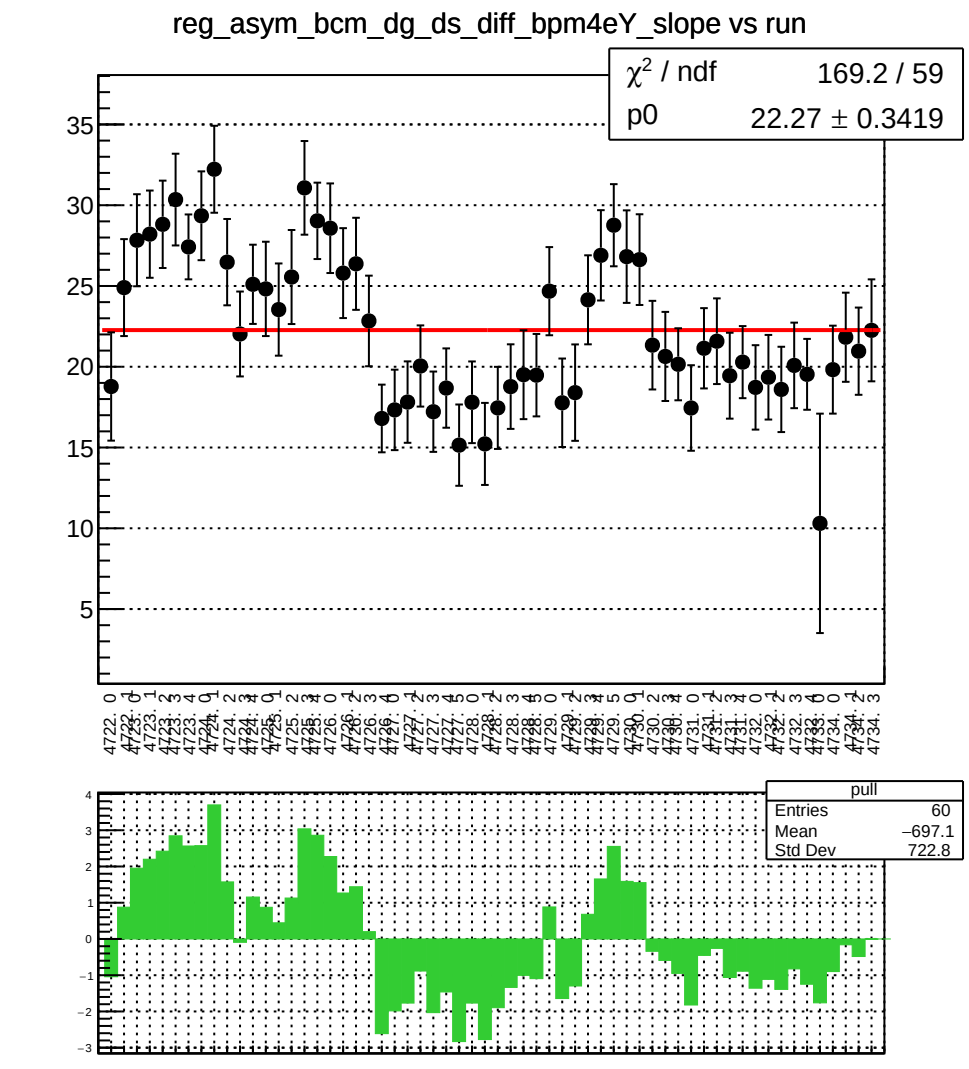

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 339.7 / 59
p0 4.704 ± 0.05122
pull
Entries 60
Mean −94.57
Std Dev 117.8

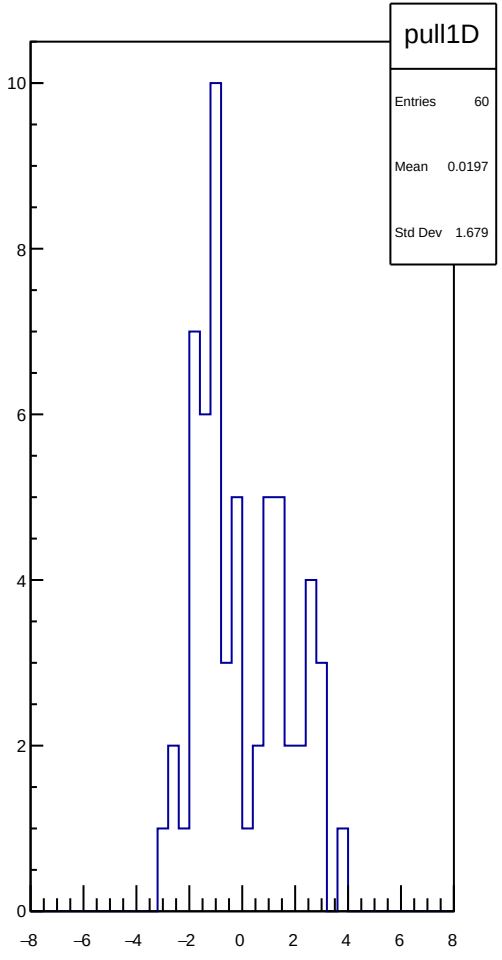

pull1D
Entries 60
Mean 0.1576
Std Dev 2.374

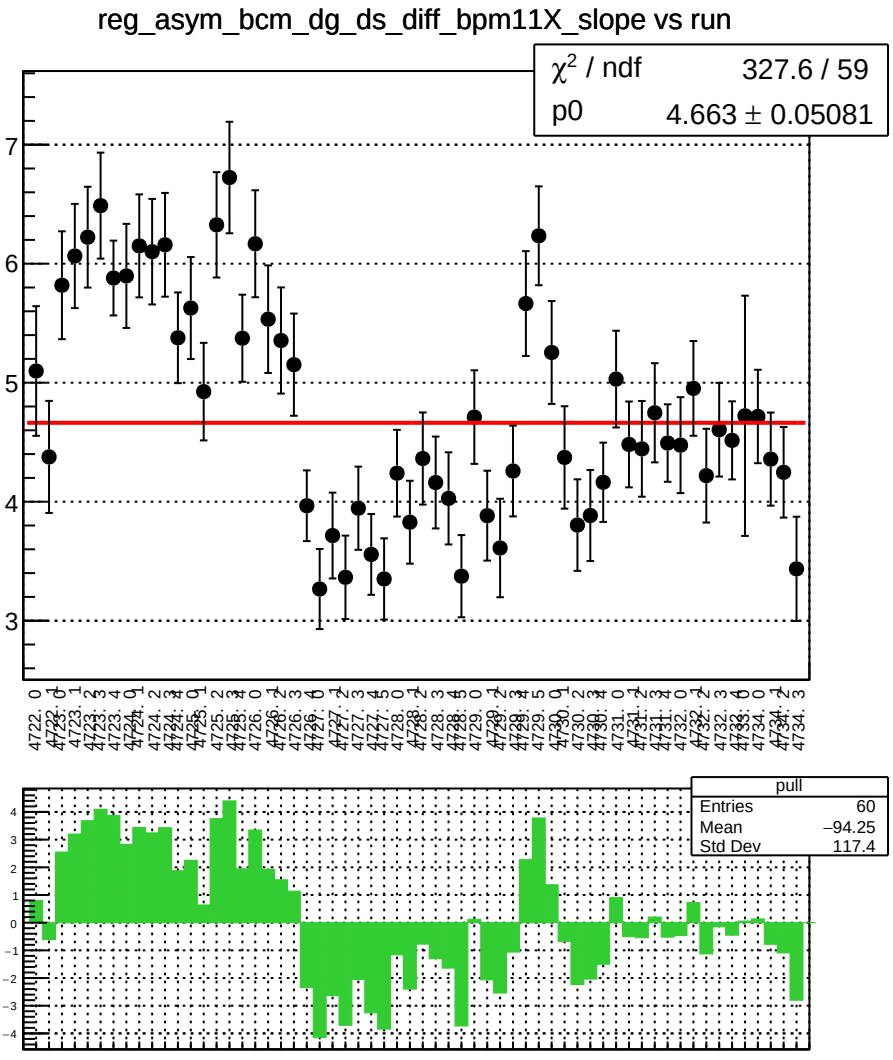

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 239.4 / 59
p0 −49.39 ± 0.2742
pull
Entries 60
Mean 95.88
Std Dev 50.46
pull1D
Entries 60
Mean −0.07995
Std Dev 1.996

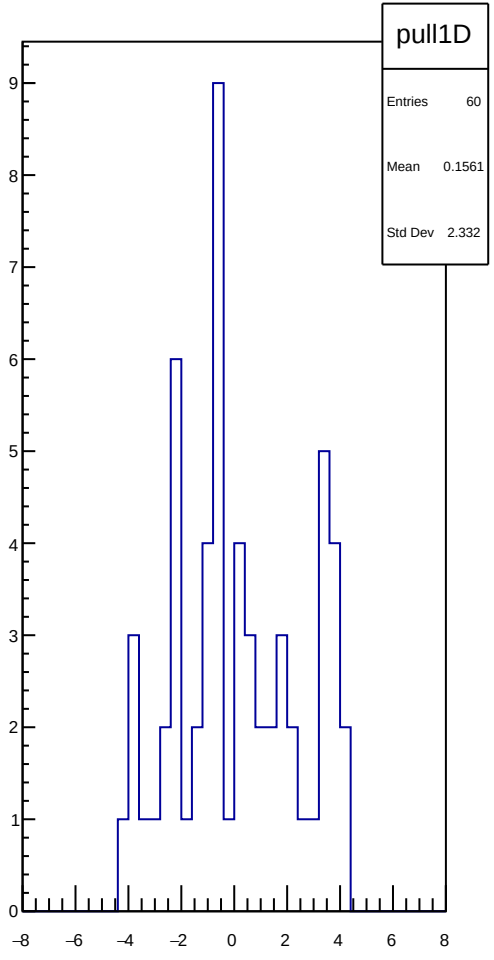

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 270.3 / 59
p0 −23.11 ± 0.2604
pull
Entries 60
Mean −508.7
Std Dev 534.6
pull1D
Entries 60
Mean −0.03692
Std Dev 2.122

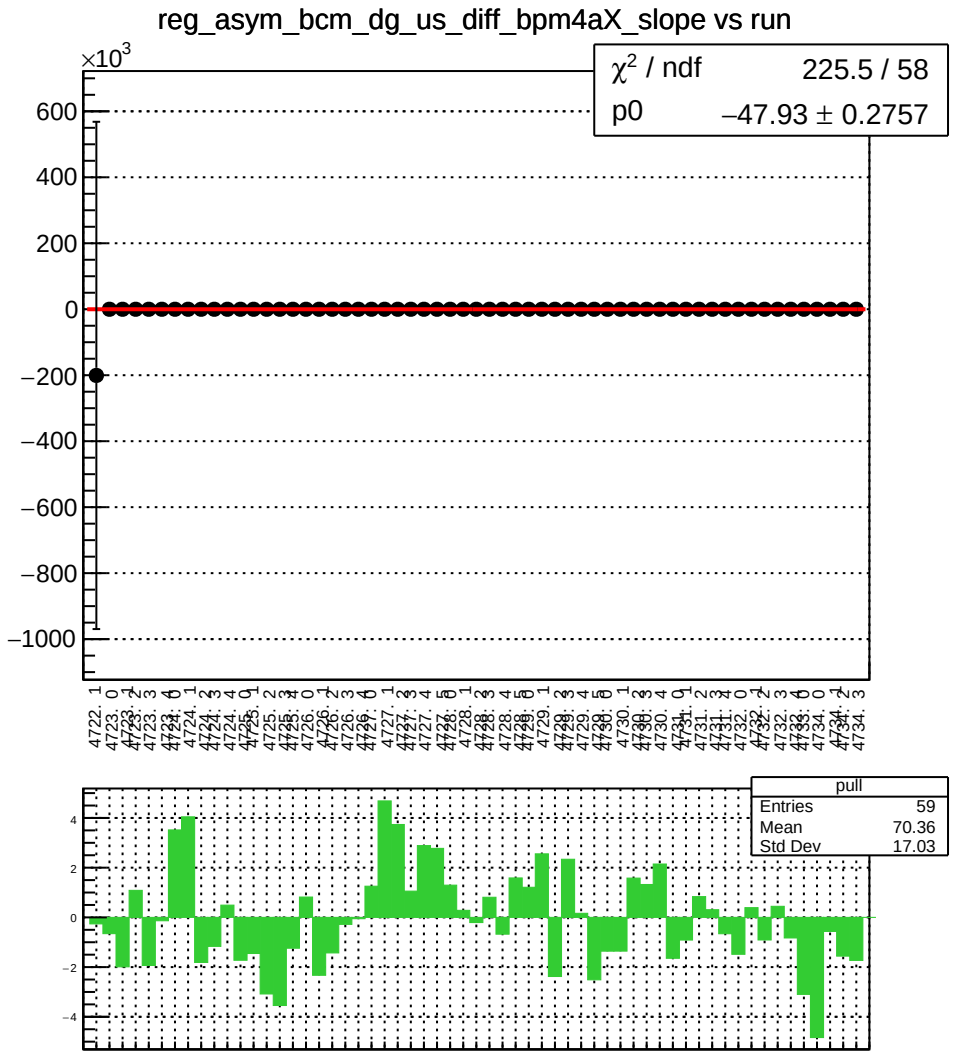

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 357.1 / 59
p0 11.53 ± 0.04858
pull
Entries 60
Mean −40.2
Std Dev 51.36
pull1D
Entries 60
Mean 0.0931
Std Dev 2.438

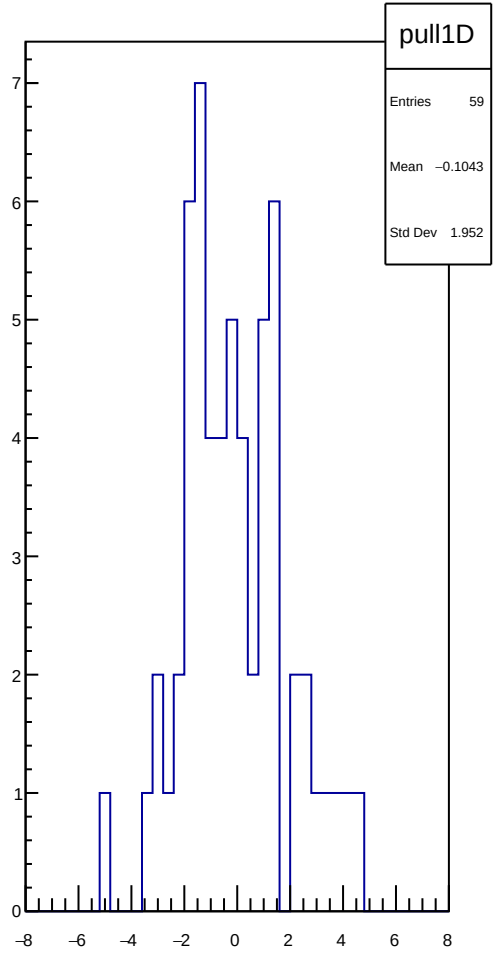

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 169.2 / 59
p0 22.27 ± 0.3419
pull
Entries 60
Mean −697.1
Std Dev 722.8

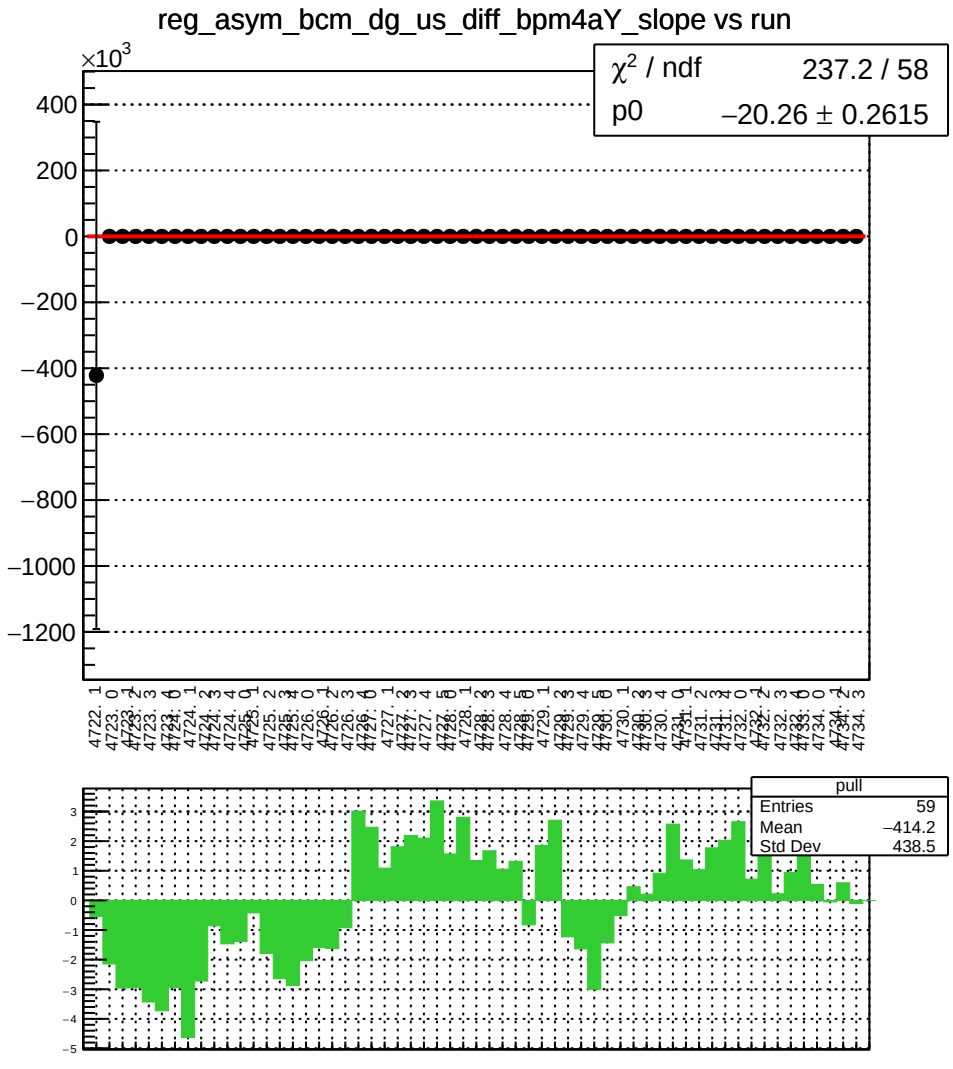

pull1D
Entries 60
Mean 0.0197
Std Dev 1.679

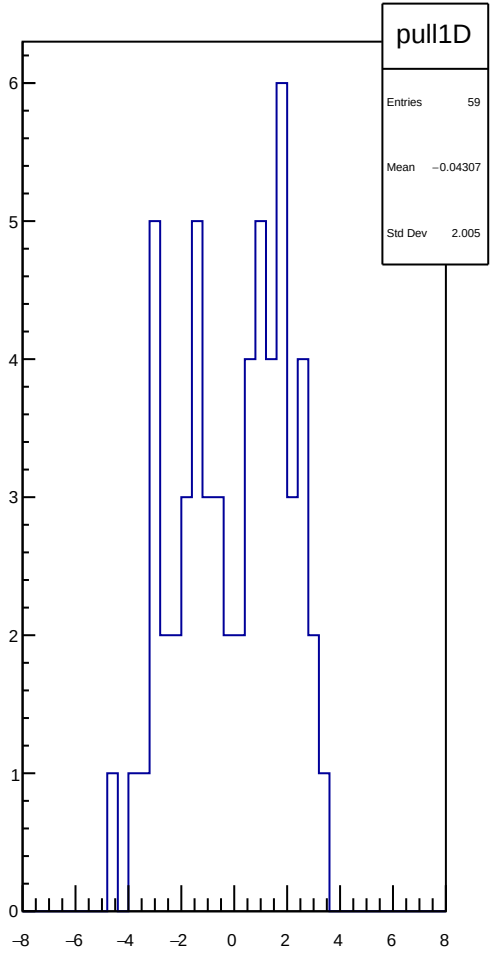

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 327.6 / 59
p0 4.663 ± 0.05081
pull
Entries 60
Mean −94.25
Std Dev 117.4

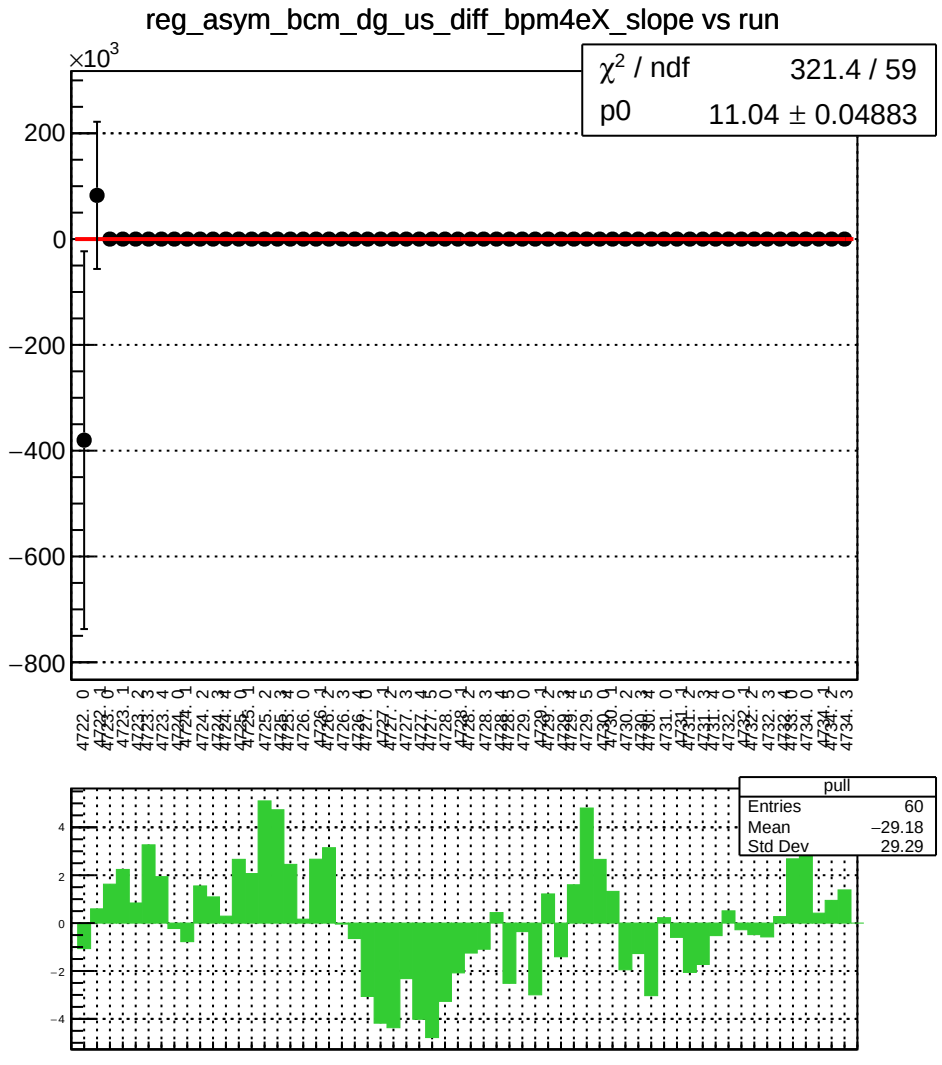

pull1D
Entries 60
Mean 0.1561
Std Dev 2.332

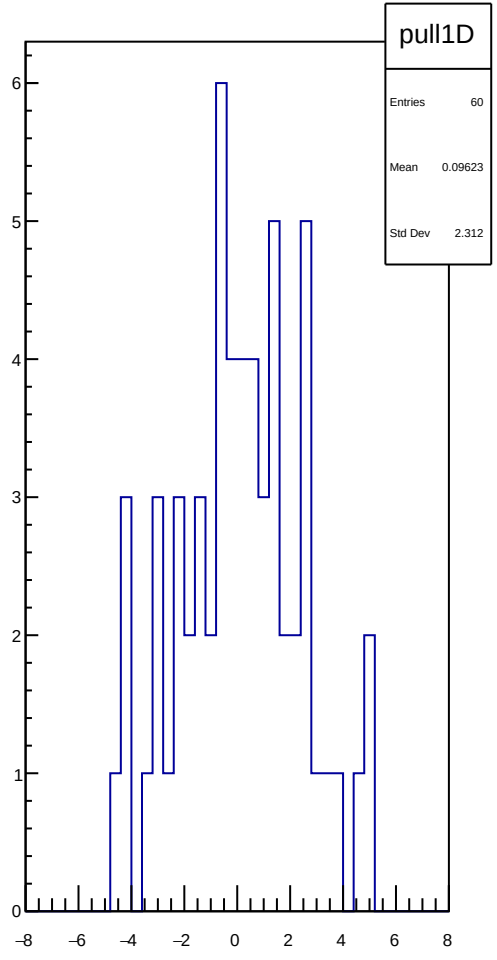

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 225.5 / 58
p0 −47.93 ± 0.2757
pull
Entries 59
Mean 70.36
Std Dev 17.03

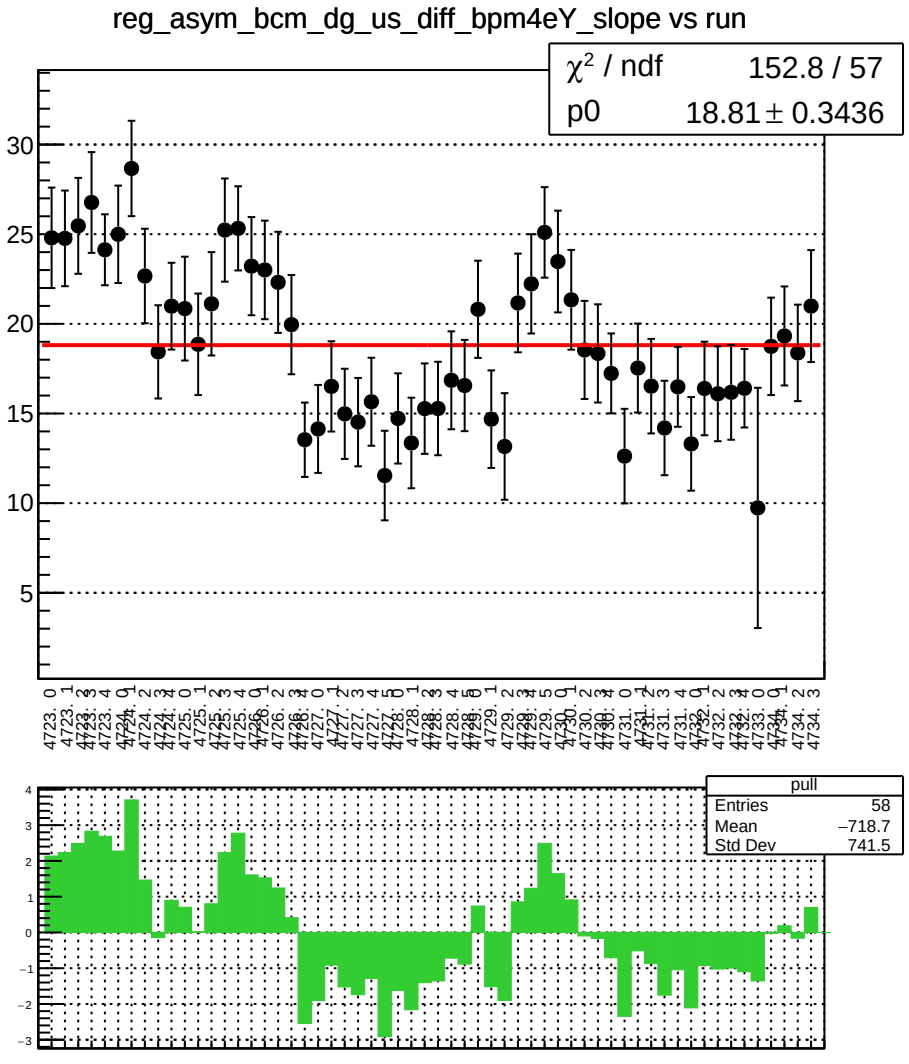

pull1D
Entries 59
Mean −0.1043
Std Dev 1.952

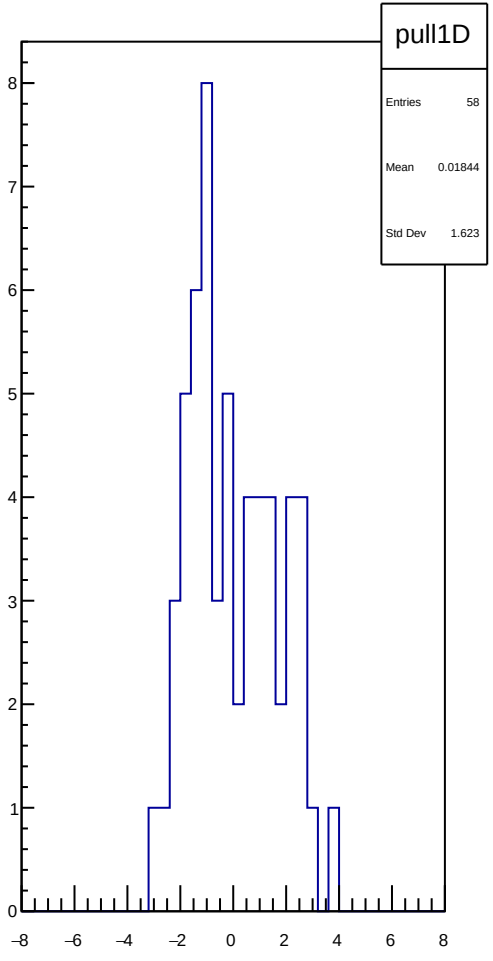

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 237.2 / 58
p0 −20.26 ± 0.2615
pull
Entries 59
Mean −414.2
Std Dev 438.5

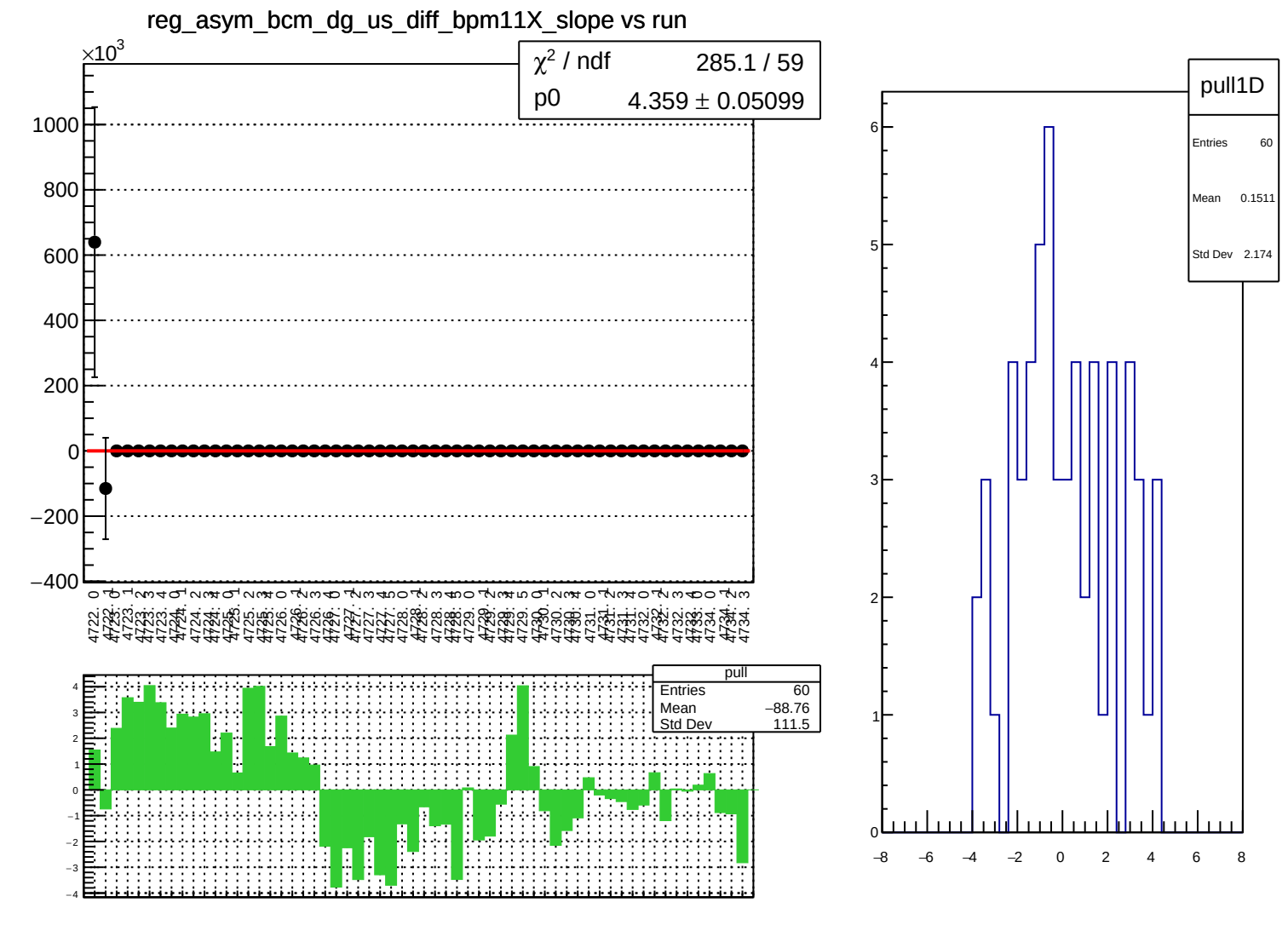

pull1D
Entries 59
Mean −0.04307
Std Dev 2.005

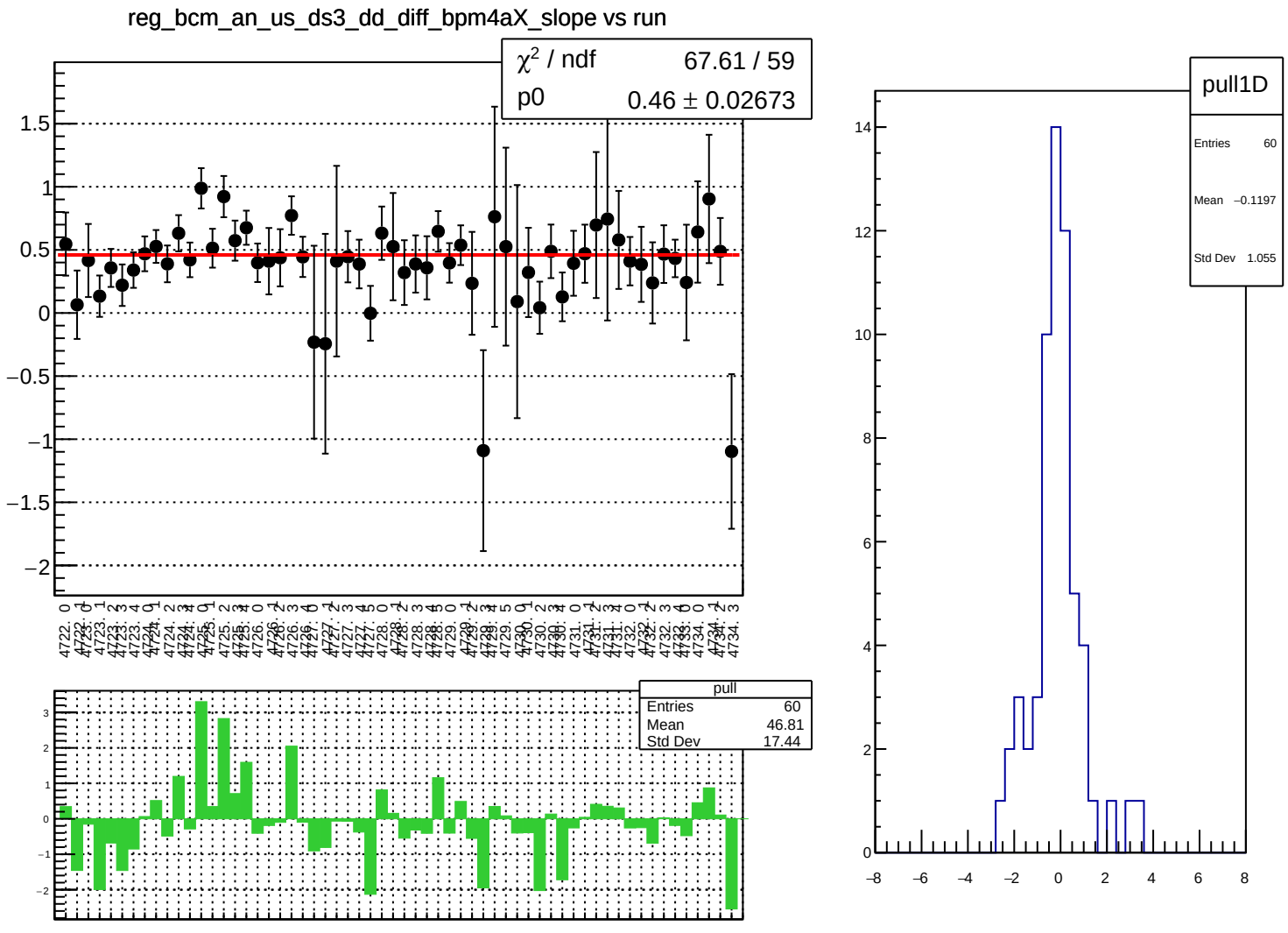

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 321.4 / 59
p0 11.04 ± 0.04883
×10³
200
0
−200
−400
−600
−800
pull
Entries 60
Mean −29.18
Std Dev 29.29
4
2
0
−2
−4

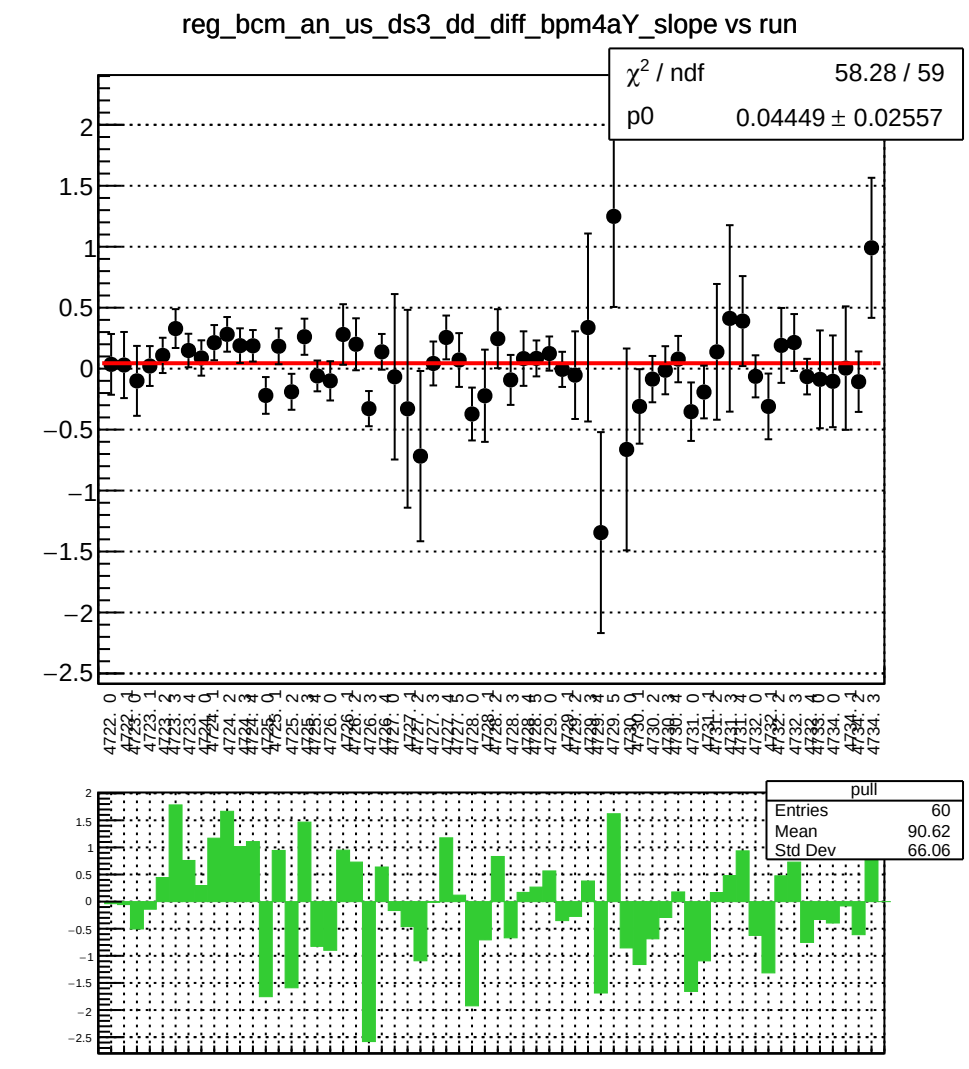

pull1D
Entries 60
Mean 0.09623
Std Dev 2.312
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

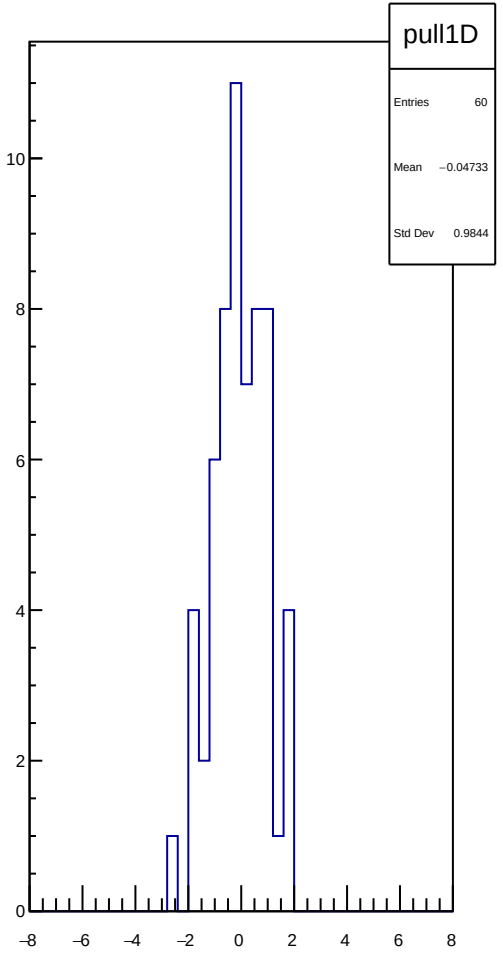

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 152.8 / 57
p0 18.81 ± 0.3436
pull
Entries 58
Mean −718.7
Std Dev 741.5

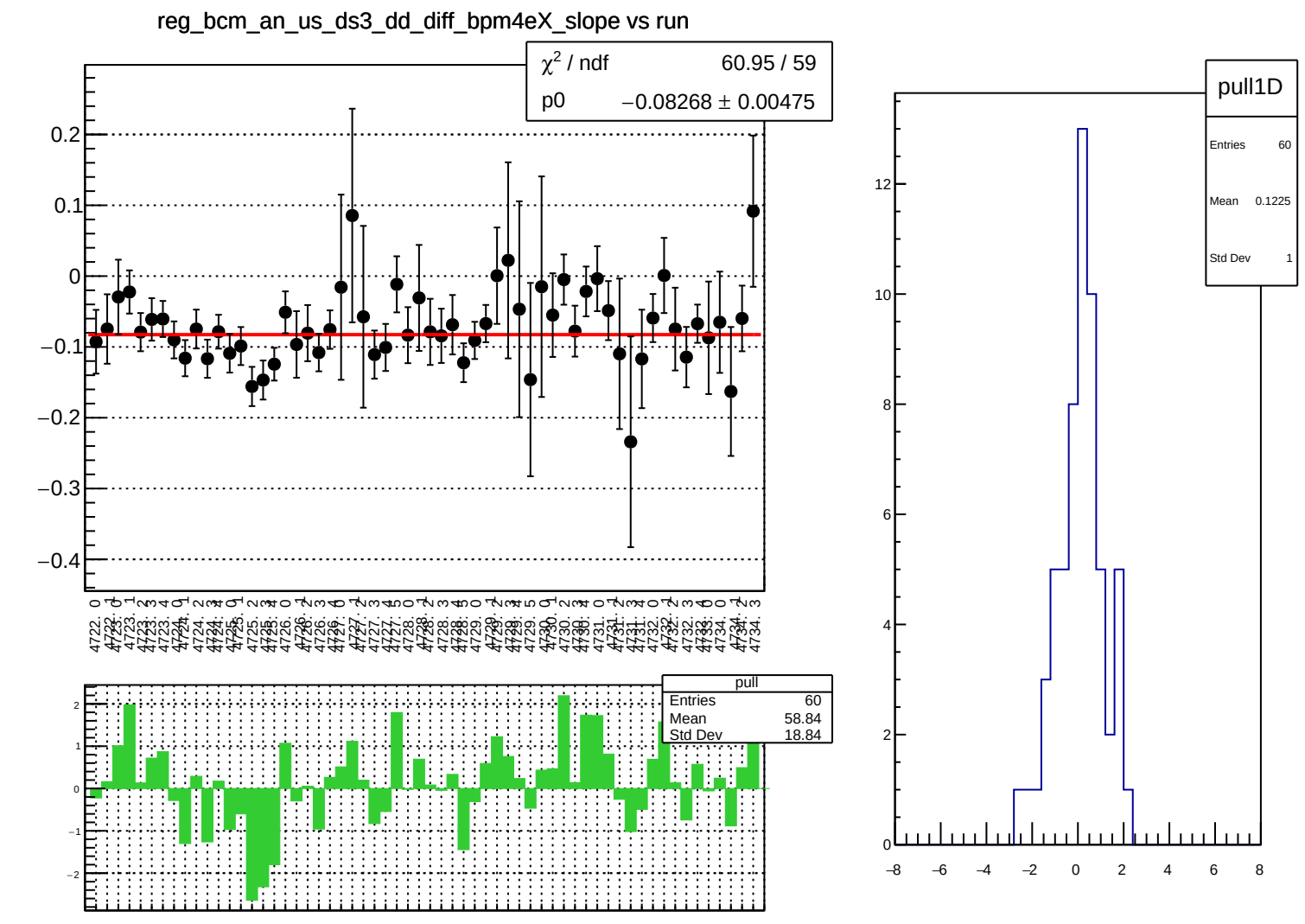

pull1D
Entries 58
Mean 0.01844
Std Dev 1.623

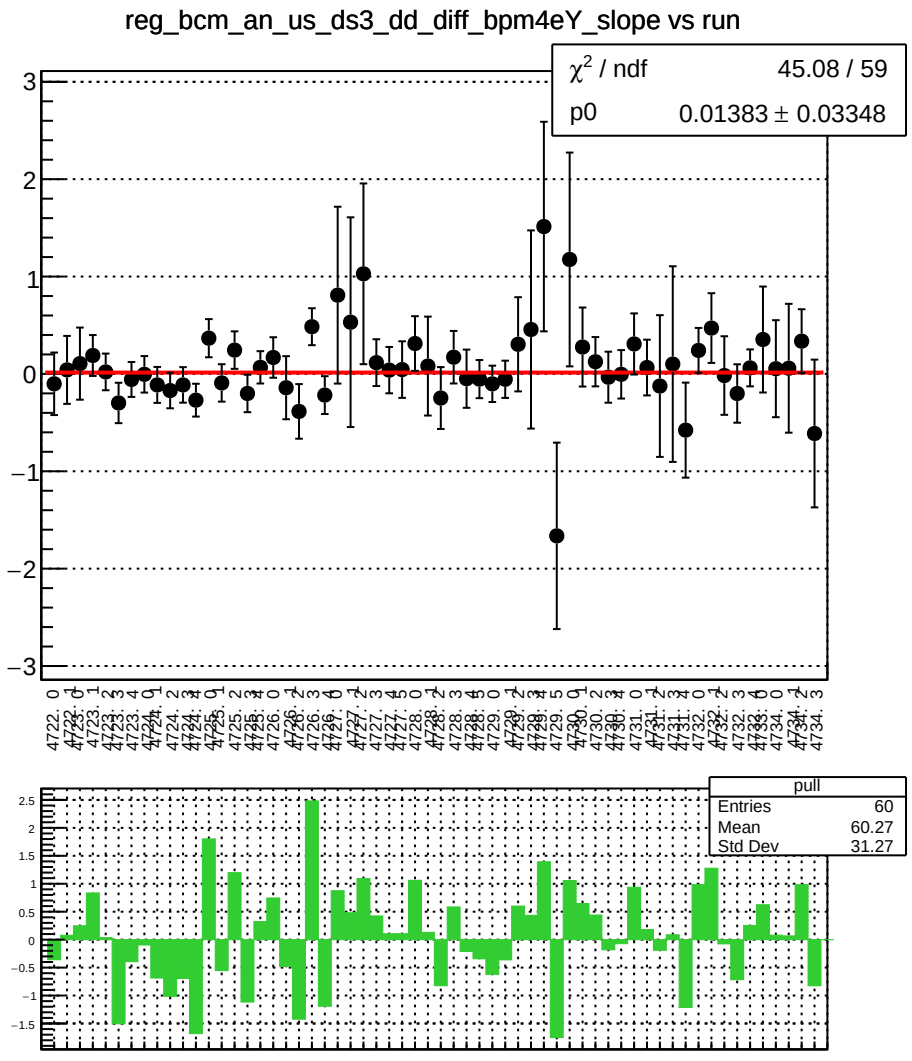

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 285.1 / 59
p0 4.359 ± 0.05099
×10³
pull
Entries 60
Mean −88.76
Std Dev 111.5
pull1D
Entries 60
Mean 0.1511
Std Dev 2.174

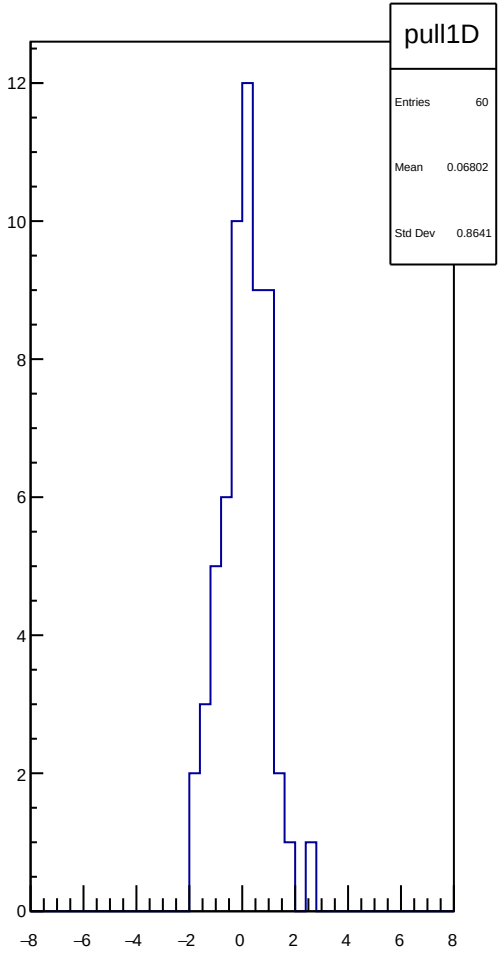

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 67.61 / 59
p0 0.46 ± 0.02673
pull
Entries 60
Mean 46.81
Std Dev 17.44
pull1D
Entries 60
Mean −0.1197
Std Dev 1.055

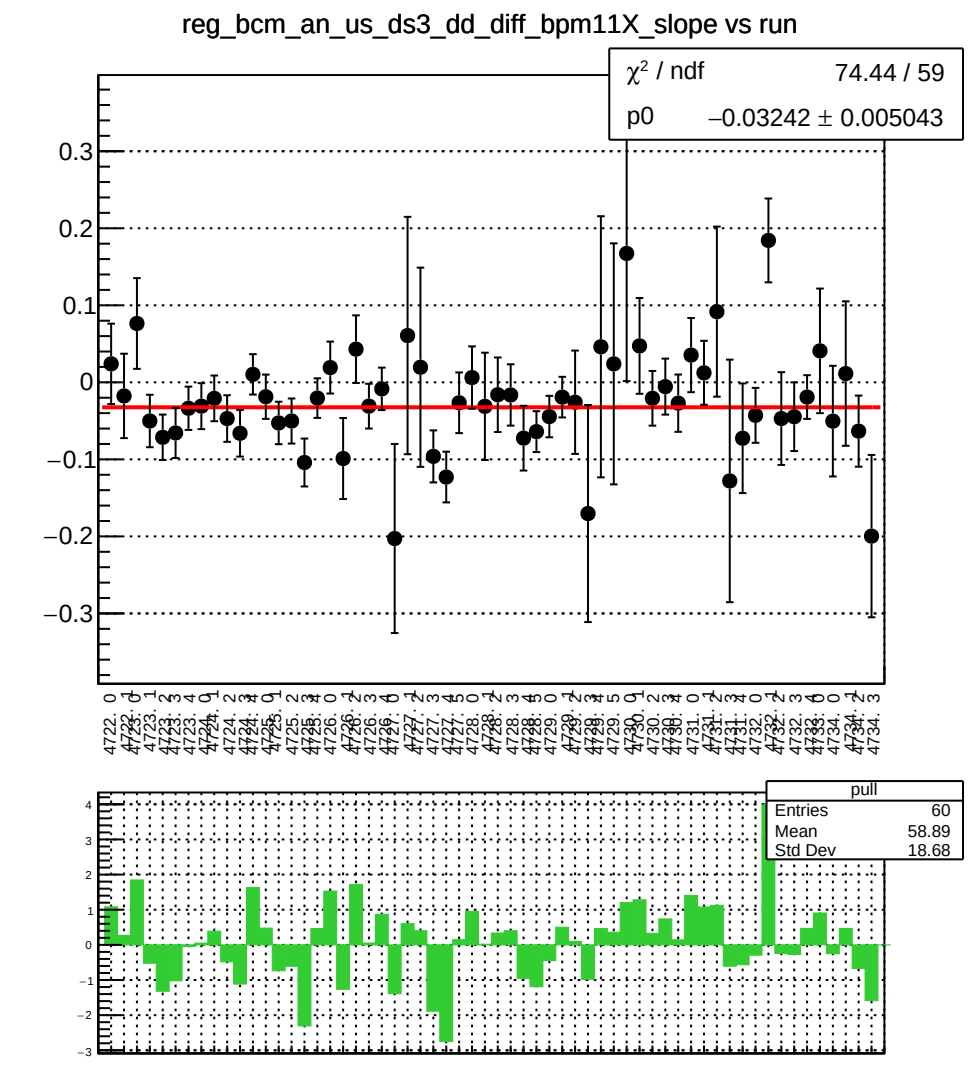

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.28 / 59
p0 0.04449 ± 0.02557
pull
Entries 60
Mean 90.62
Std Dev 66.06

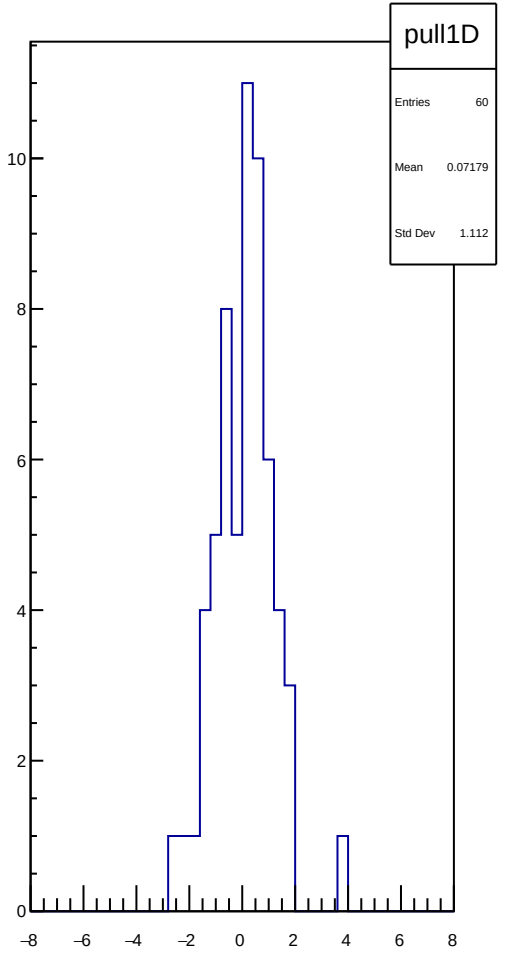

pull1D
Entries 60
Mean −0.04733
Std Dev 0.9844

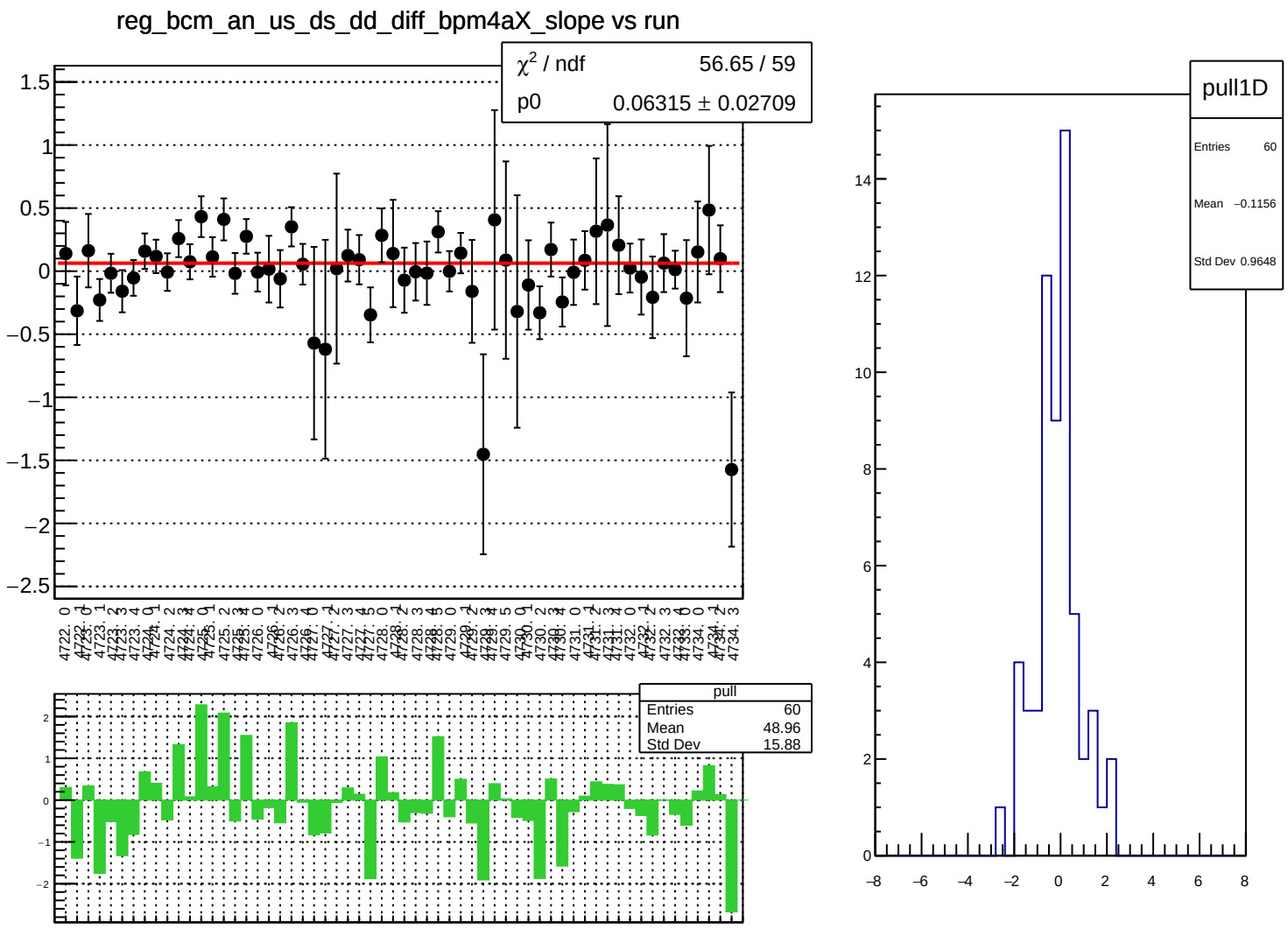

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.95 / 59
p0 −0.08268 ± 0.00475
pull
Entries 60
Mean 58.84
Std Dev 18.84
pull1D
Entries 60
Mean 0.1225
Std Dev 1

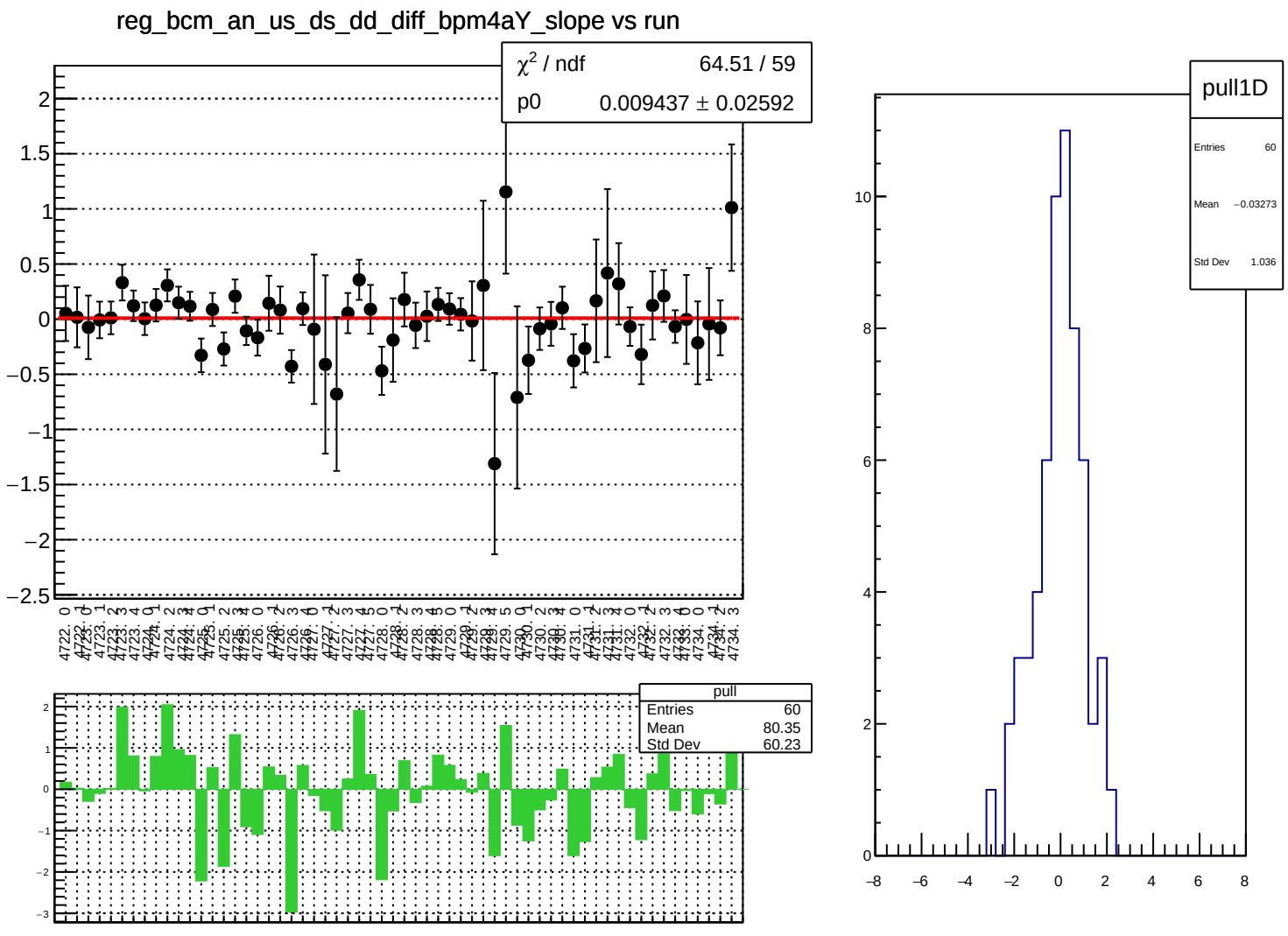

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.08 / 59
p0 0.01383 ± 0.03348
pull
Entries 60
Mean 60.27
Std Dev 31.27

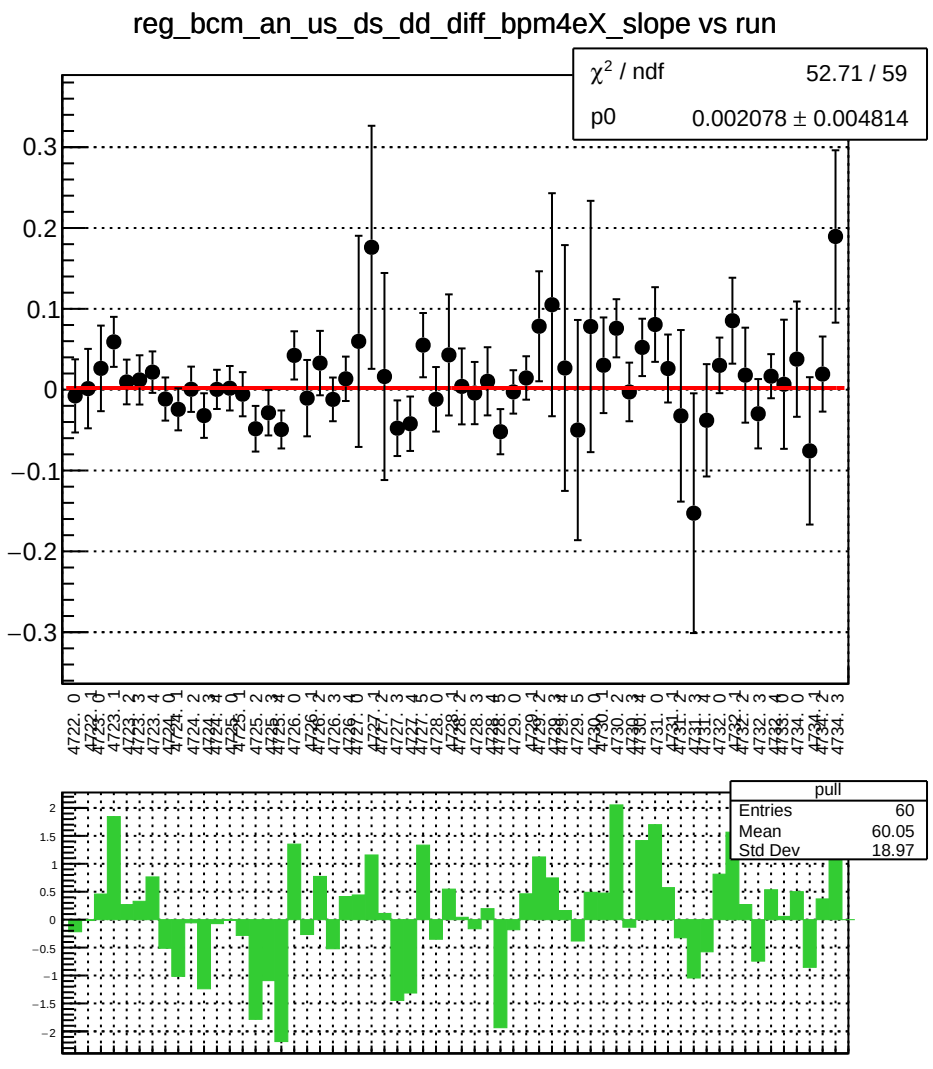

pull1D
Entries 60
Mean 0.06802
Std Dev 0.8641

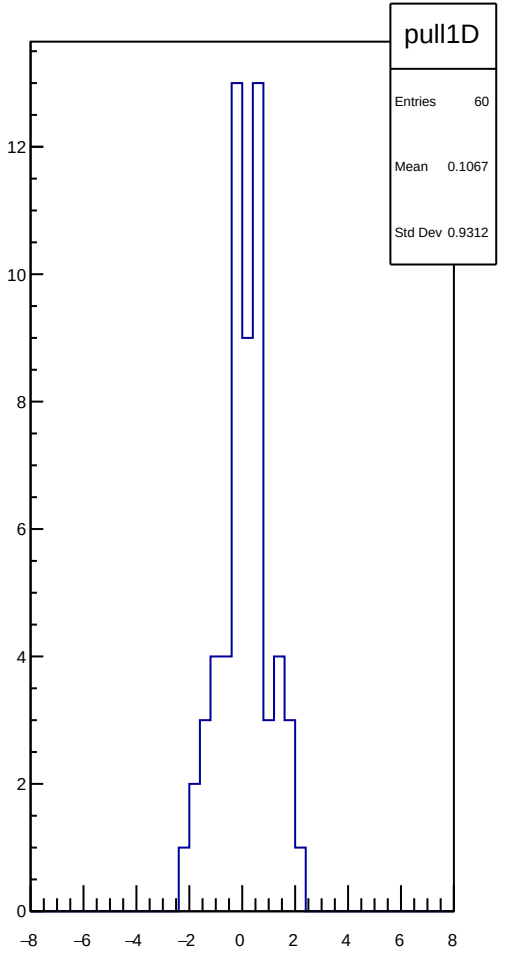

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 74.44 / 59
p0 −0.03242 ± 0.005043
pull
Entries 60
Mean 58.89
Std Dev 18.68

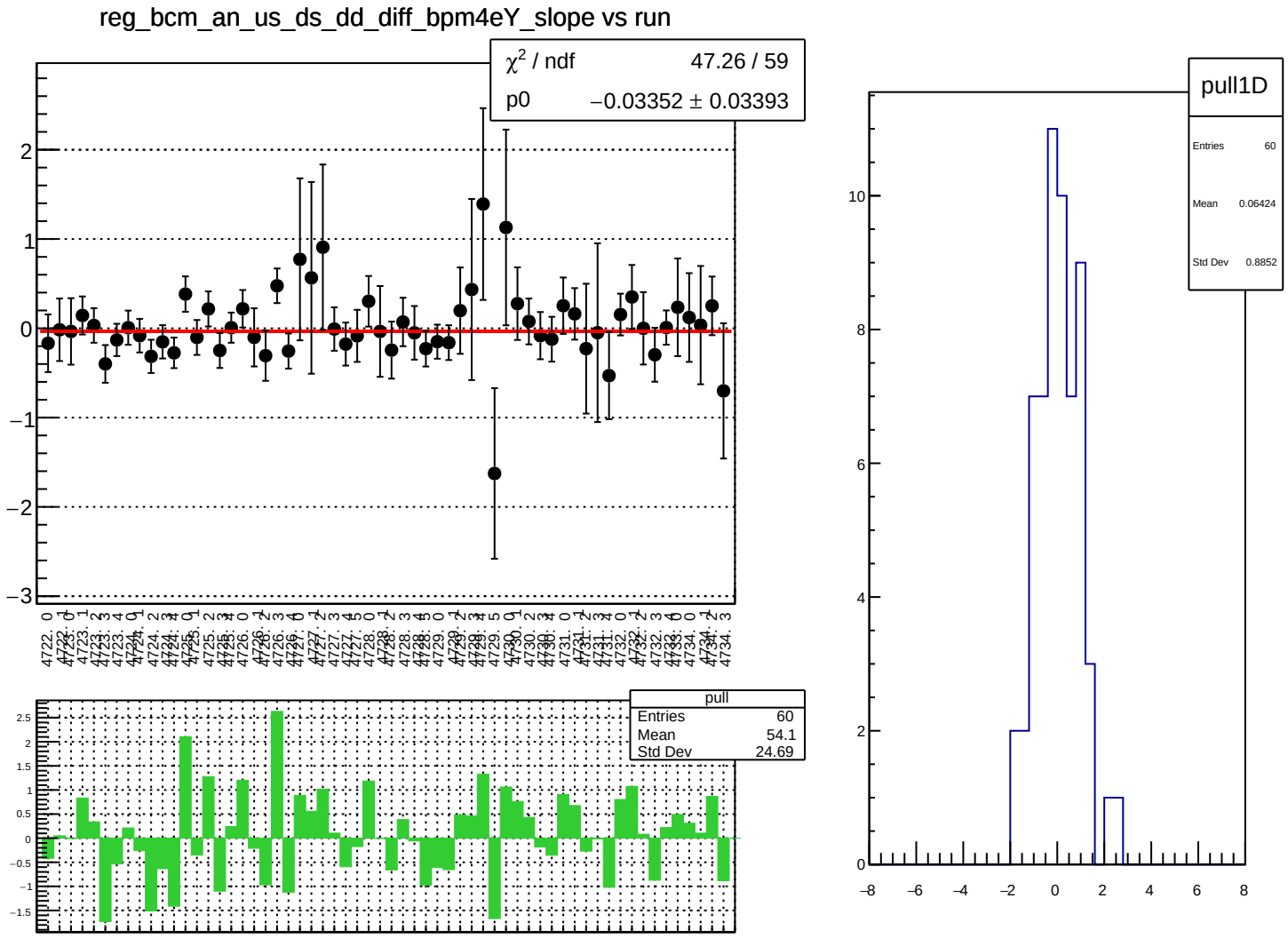

pull1D
Entries 60
Mean 0.07179
Std Dev 1.112

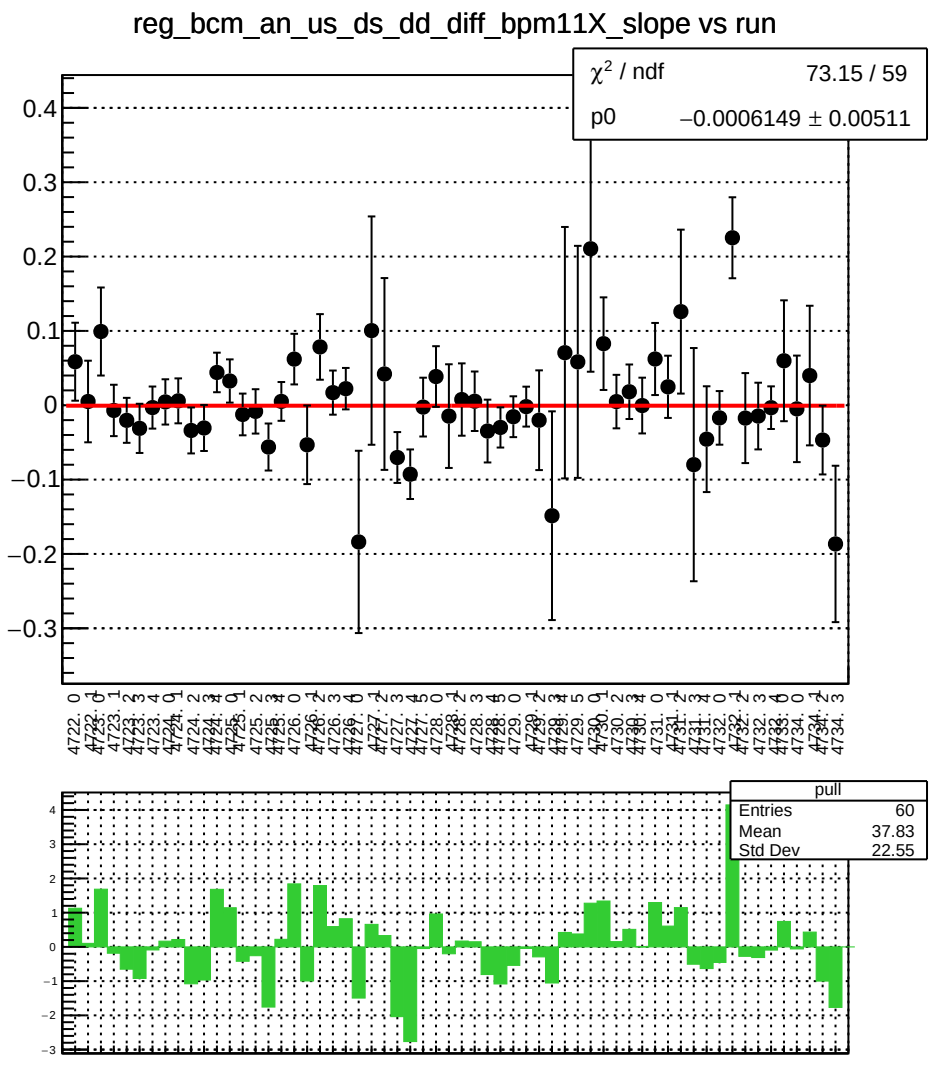

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 56.65 / 59
p0 0.06315 ± 0.02709
pull
Entries 60
Mean 48.96
Std Dev 15.88
pull1D
Entries 60
Mean −0.1156
Std Dev 0.9648

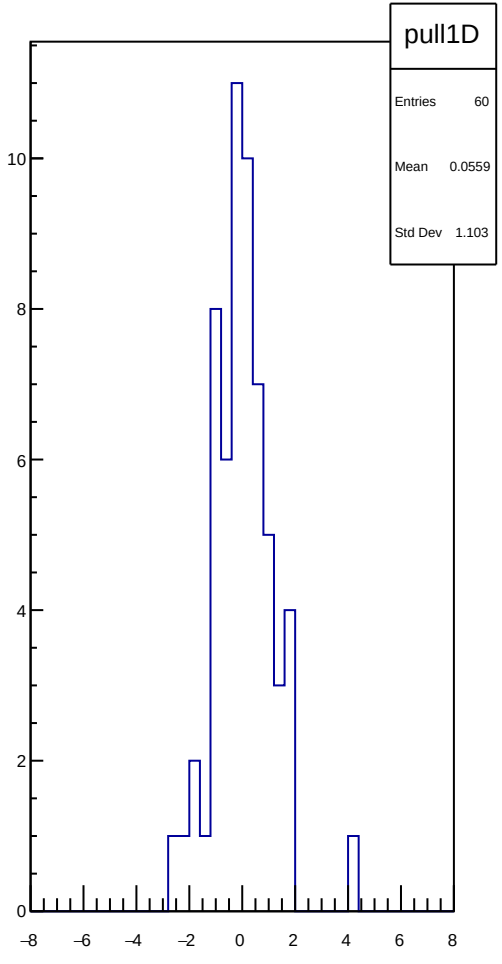

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.51 / 59
p0 0.009437 ± 0.02592
pull
Entries 60
Mean 80.35
Std Dev 60.23
pull1D
Entries 60
Mean −0.03273
Std Dev 1.036

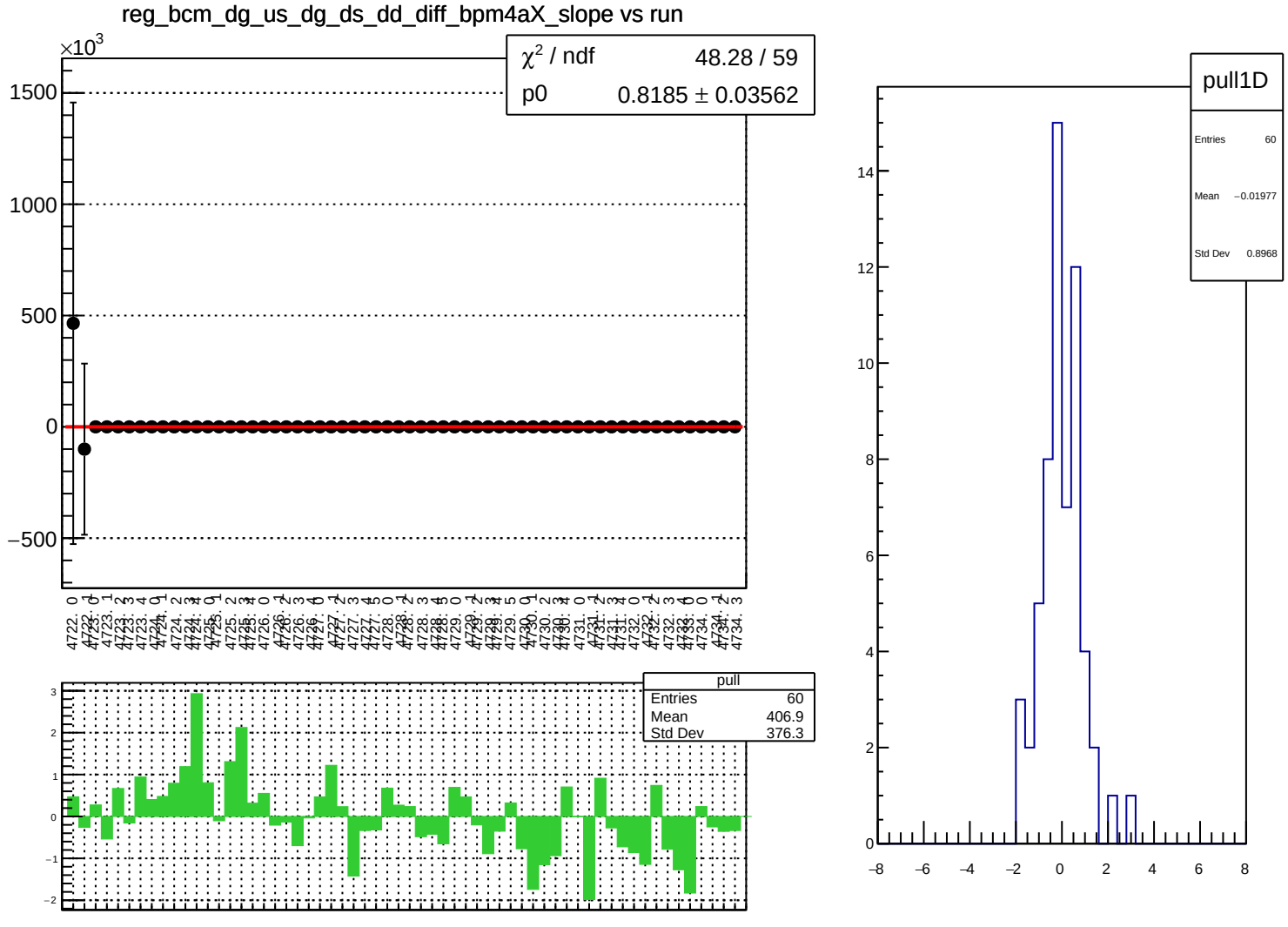

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.71 / 59
p0 0.002078 ± 0.004814
pull
Entries 60
Mean 60.05
Std Dev 18.97

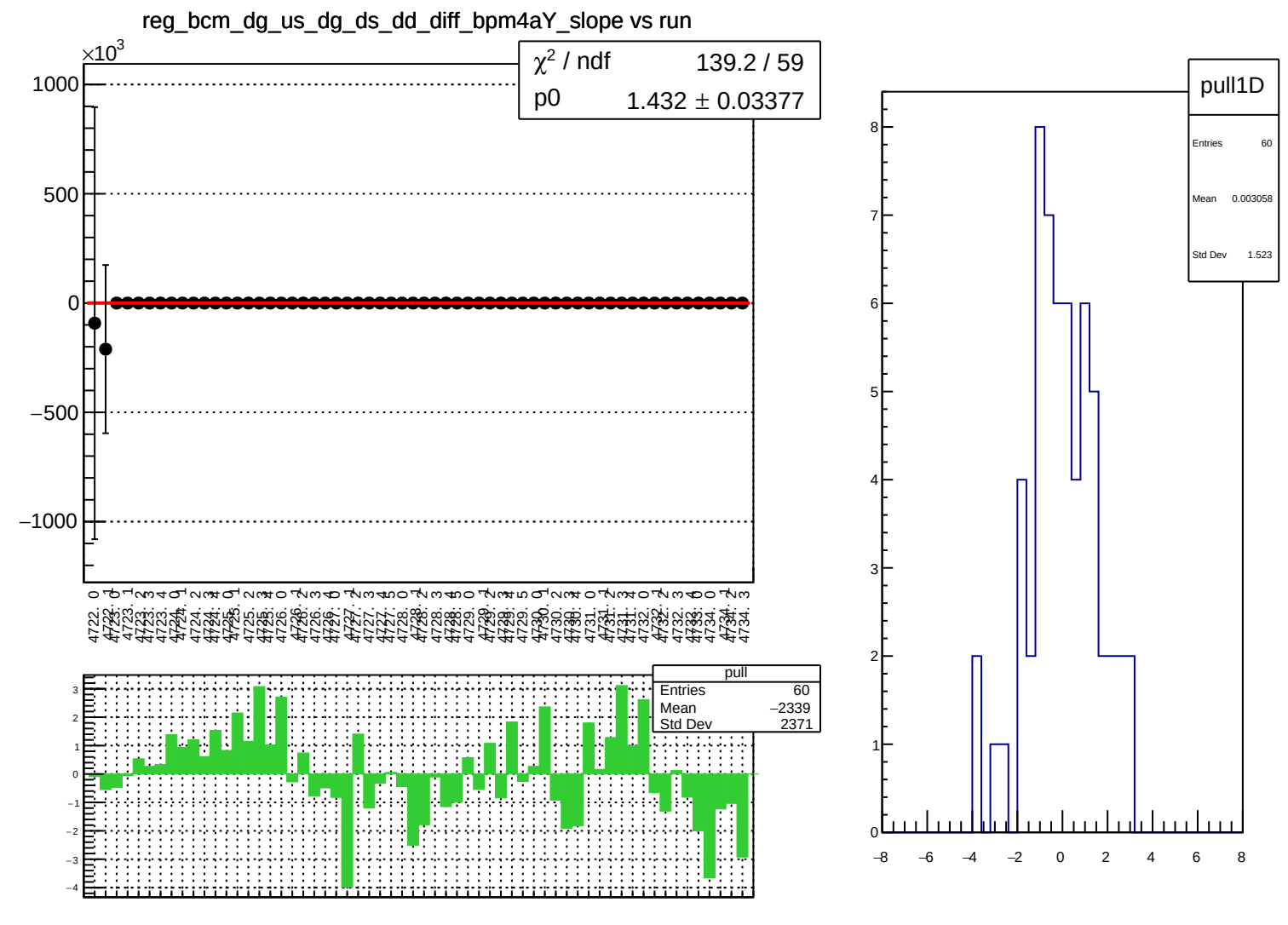

pull1D
Entries 60
Mean 0.1067
Std Dev 0.9312

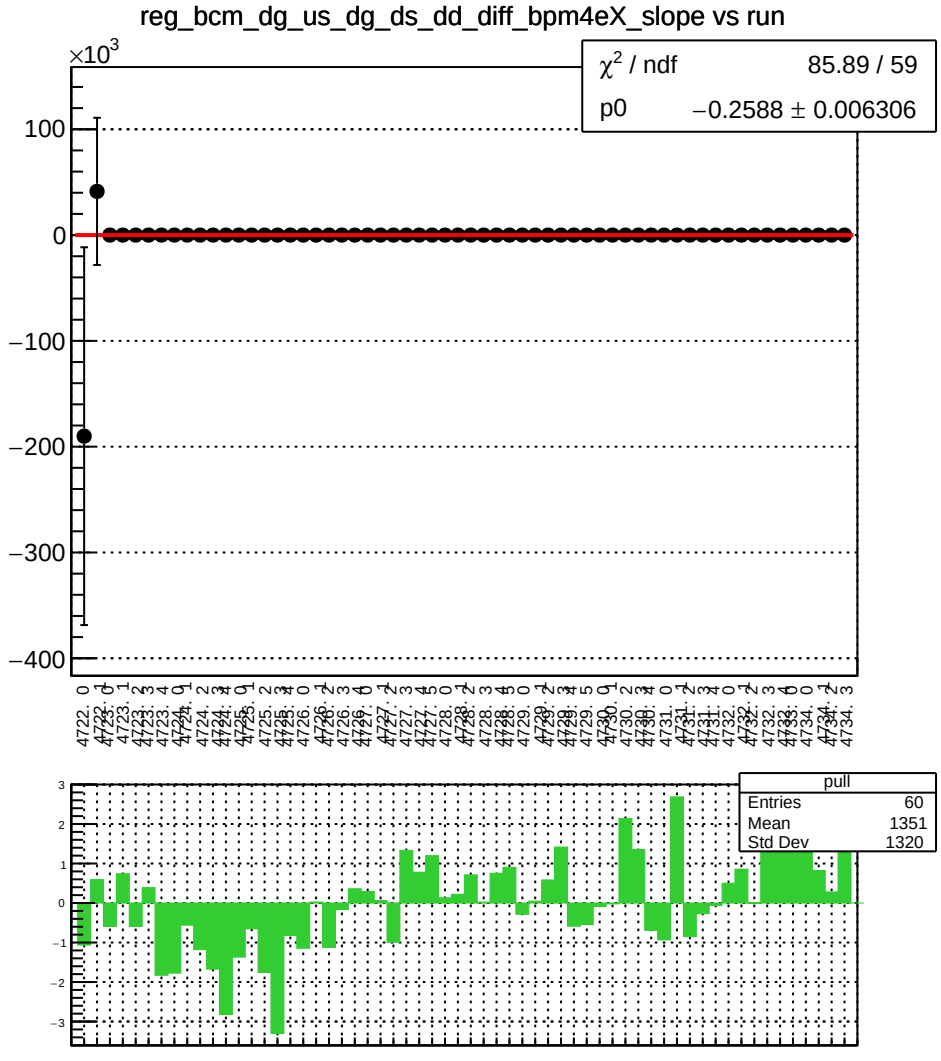

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.26 / 59
p0 −0.03352 ± 0.03393
pull
Entries 60
Mean 54.1
Std Dev 24.69
pull1D
Entries 60
Mean 0.06424
Std Dev 0.8852

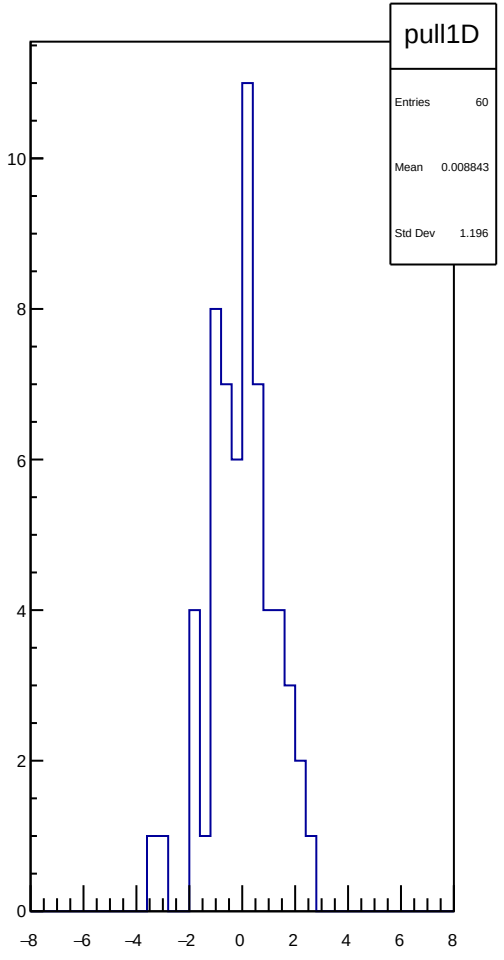

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 73.15 / 59
p0 −0.0006149 ± 0.00511
pull
Entries 60
Mean 37.83
Std Dev 22.55

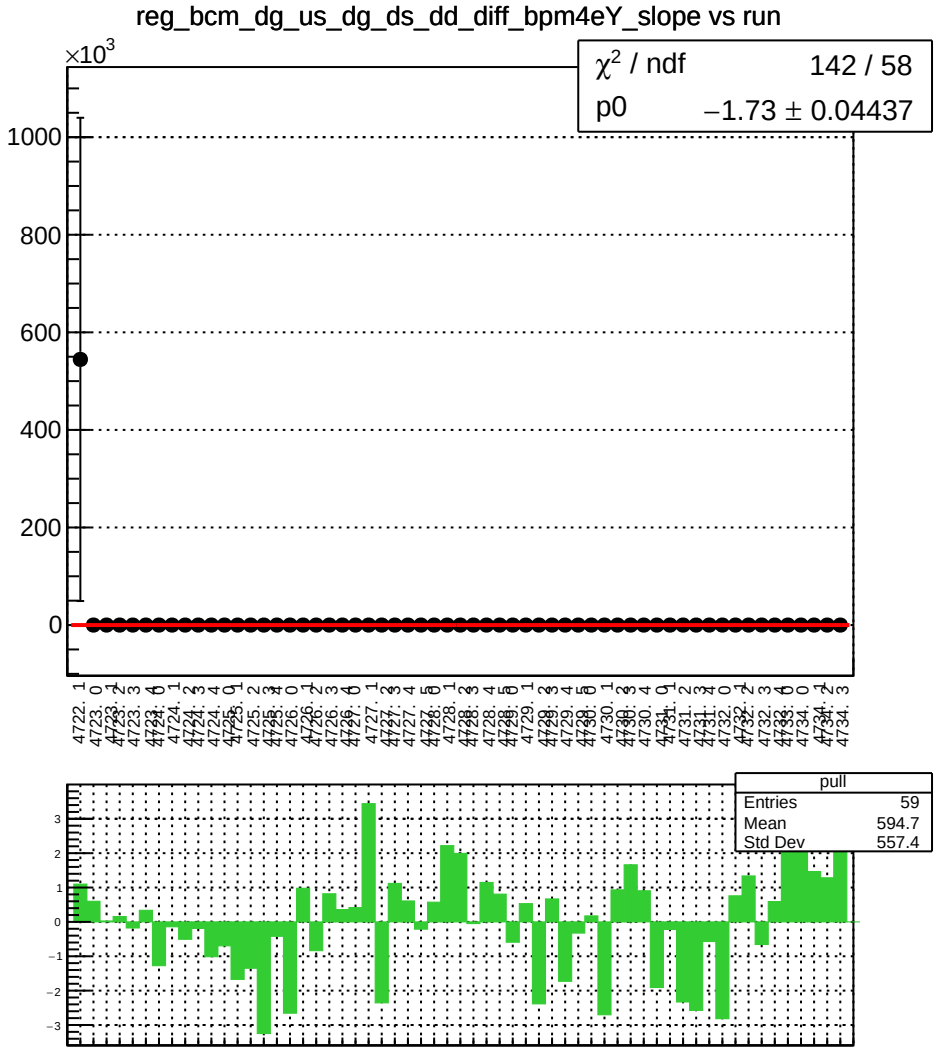

pull1D
Entries 60
Mean 0.0559
Std Dev 1.103

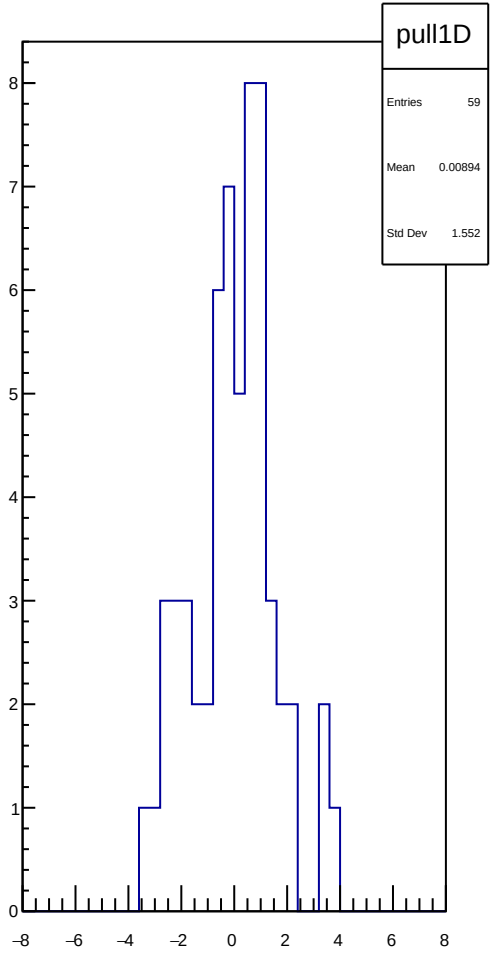

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
×10^3
χ² / ndf 48.28 / 59
p0 0.8185 ± 0.03562
1500
1000
500
0
−500
pull
Entries 60
Mean 406.9
Std Dev 376.3
3
2
1
0
−1
−2
pull1D
Entries 60
Mean −0.01977
Std Dev 0.8968
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

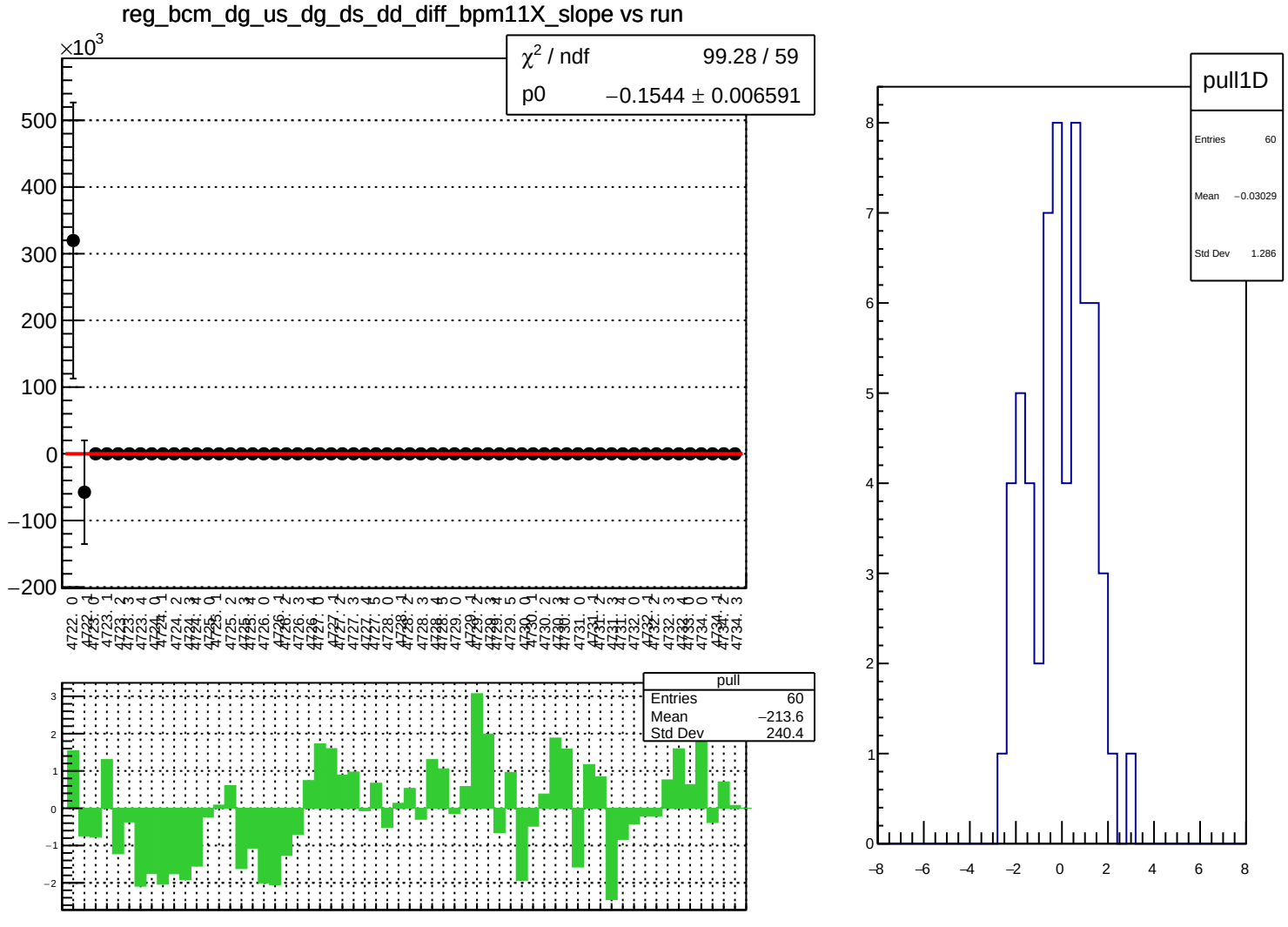

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 139.2 / 59
p0 1.432 ± 0.03377
1000
500
0
−500
−1000
pull
Entries 60
Mean −2339
Std Dev 2371
pull1D
Entries 60
Mean 0.003058
Std Dev 1.523

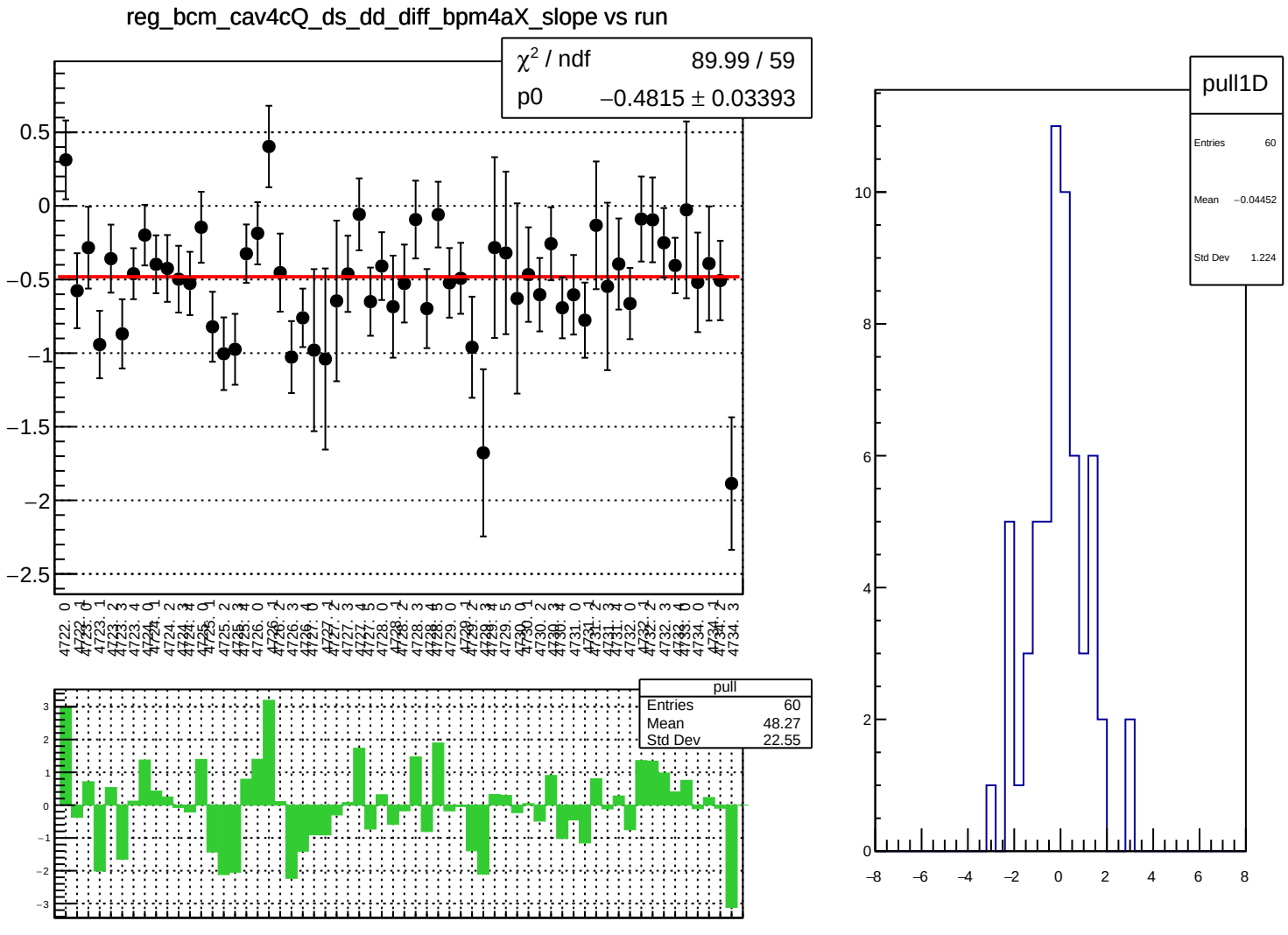

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 85.89 / 59
p0 −0.2588 ± 0.006306
100
0
−100
−200
−300
−400
pull
Entries 60
Mean 1351
Std Dev 1320
3
2
1
0
−1
−2
−3

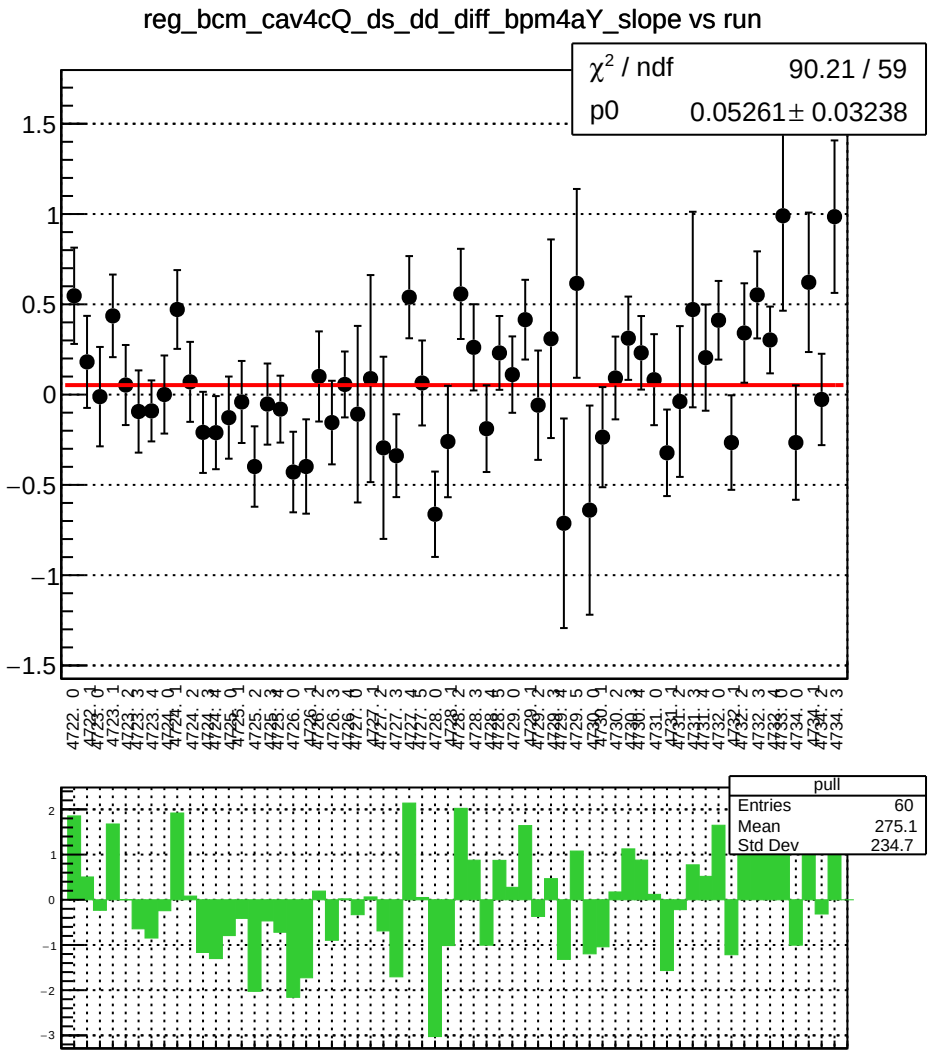

pull1D
Entries 60
Mean 0.008843
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

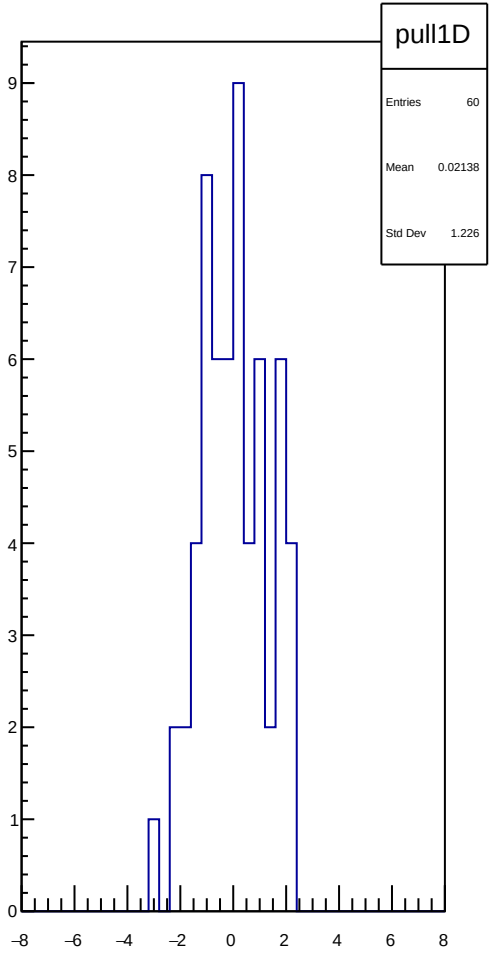

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 142 / 58
p0 −1.73 ± 0.04437
1000
800
600
400
200
0
pull
Entries 59
Mean 594.7
Std Dev 557.4
3
2
1
0
−1
−2
−3

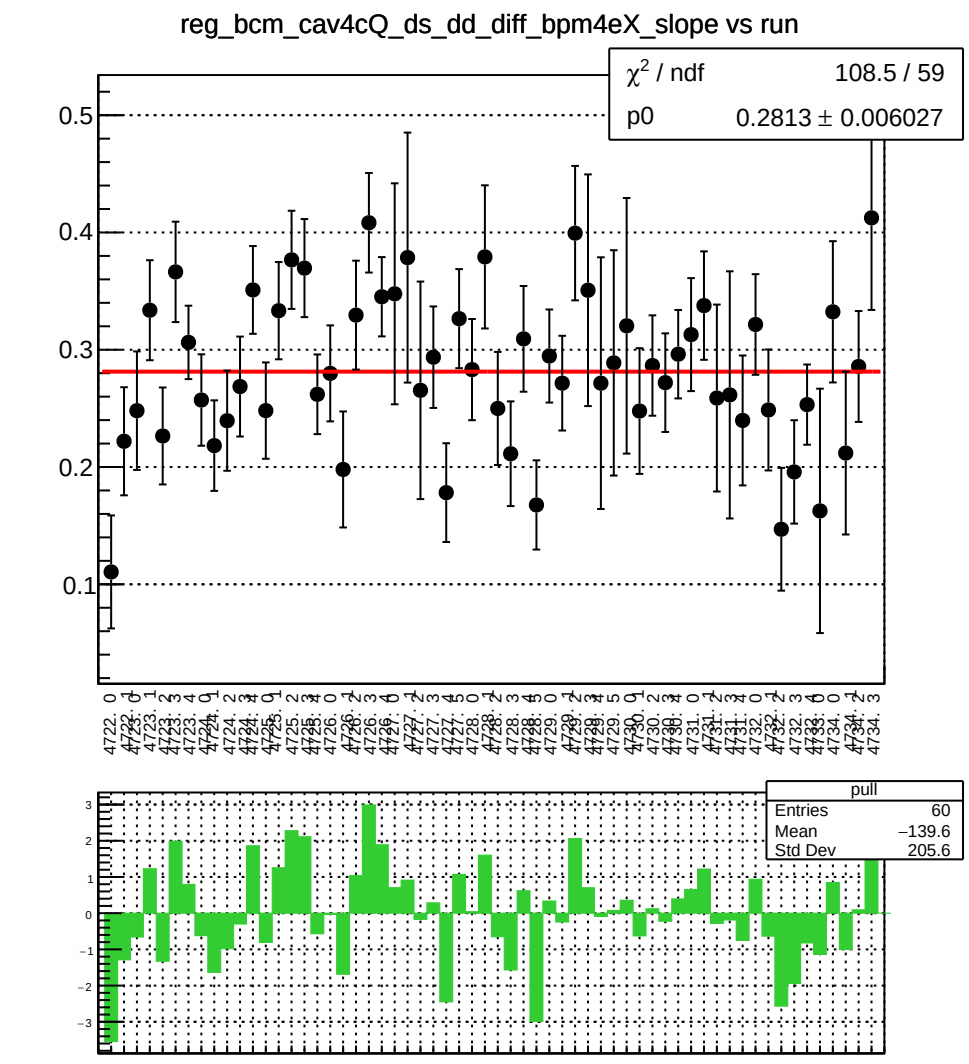

pull1D
Entries 59
Mean 0.00894
Std Dev 1.552
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

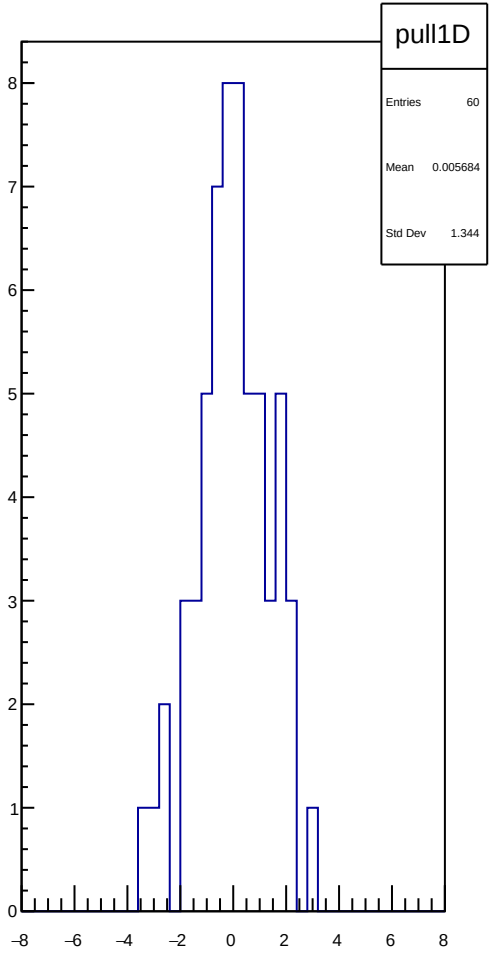

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
×10^3
χ² / ndf 99.28 / 59
p0 −0.1544 ± 0.006591
500
400
300
200
100
0
−100
−200
pull
Entries 60
Mean −213.6
Std Dev 240.4
3
2
1
0
−1
−2
pull1D
Entries 60
Mean −0.03029
Std Dev 1.286
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

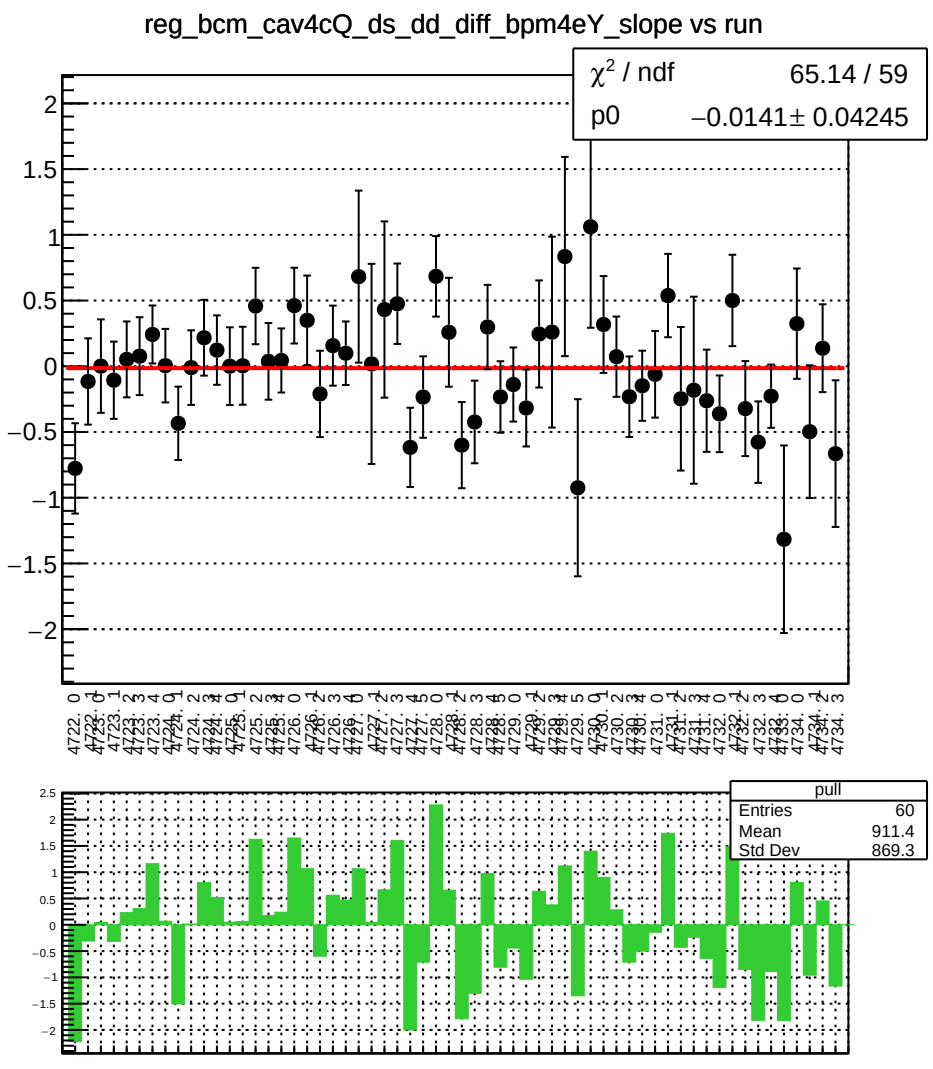

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 89.99 / 59
p0 −0.4815 ± 0.03393
pull
Entries 60
Mean 48.27
Std Dev 22.55
pull1D
Entries 60
Mean −0.04452
Std Dev 1.224

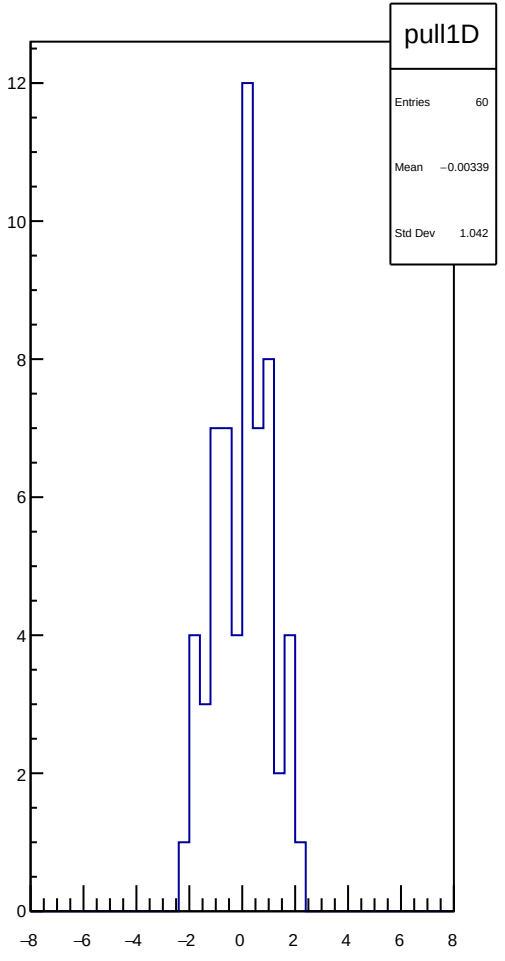

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.21 / 59
p0 0.05261 ± 0.03238
pull
Entries 60
Mean 275.1
Std Dev 234.7

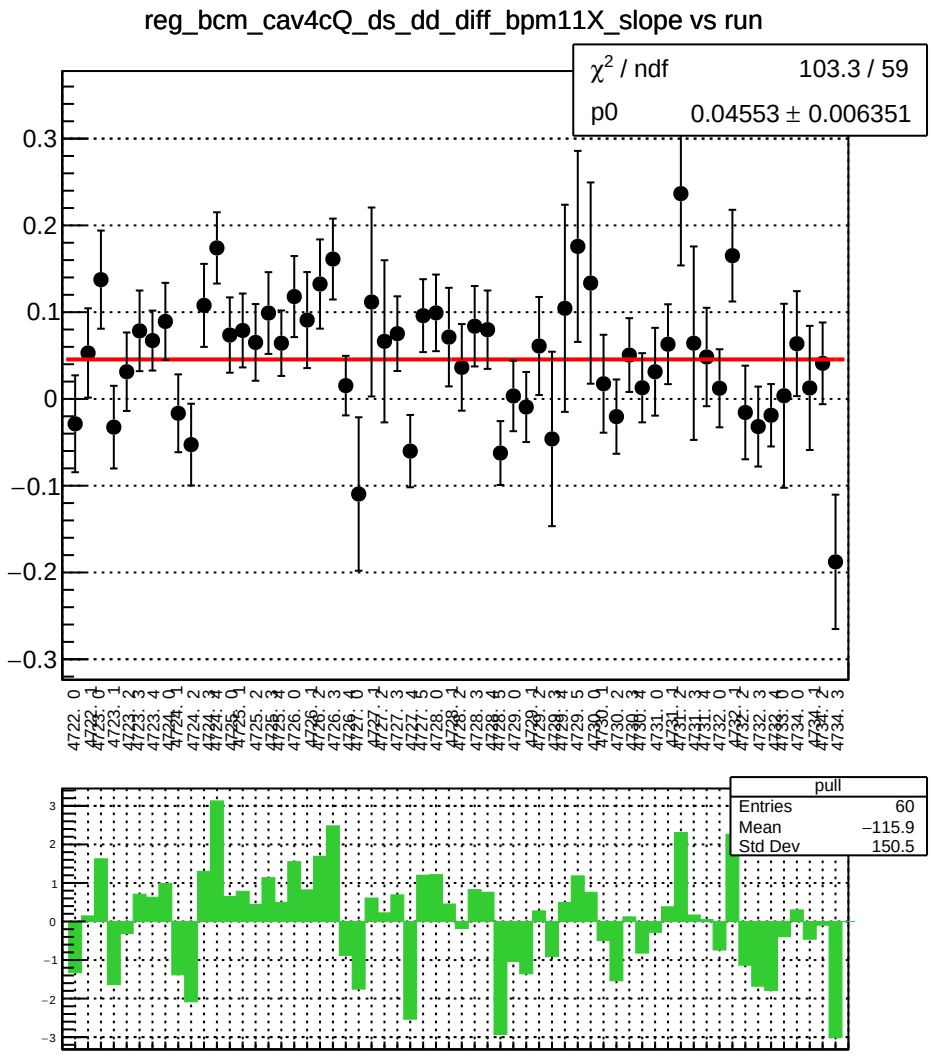

pull1D
Entries 60
Mean 0.02138
Std Dev 1.226

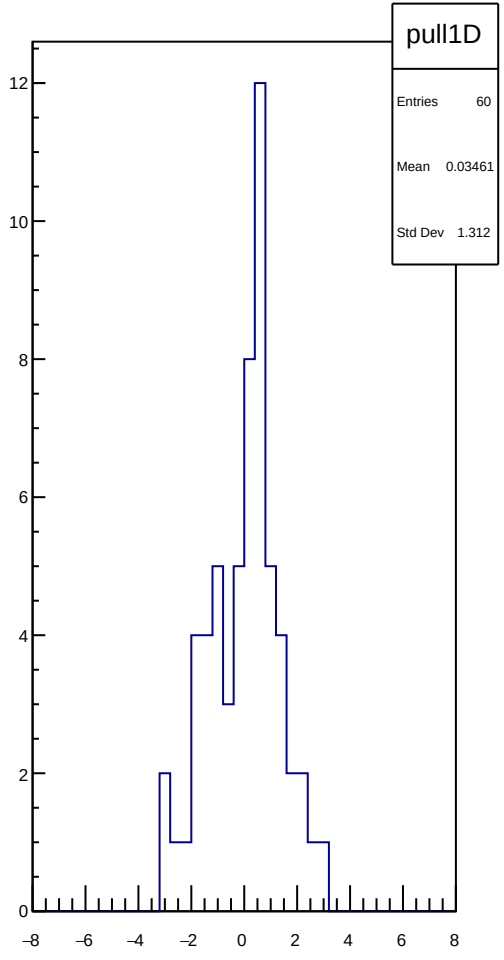

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.5 / 59
p0 0.2813 ± 0.006027
pull
Entries 60
Mean −139.6
Std Dev 205.6

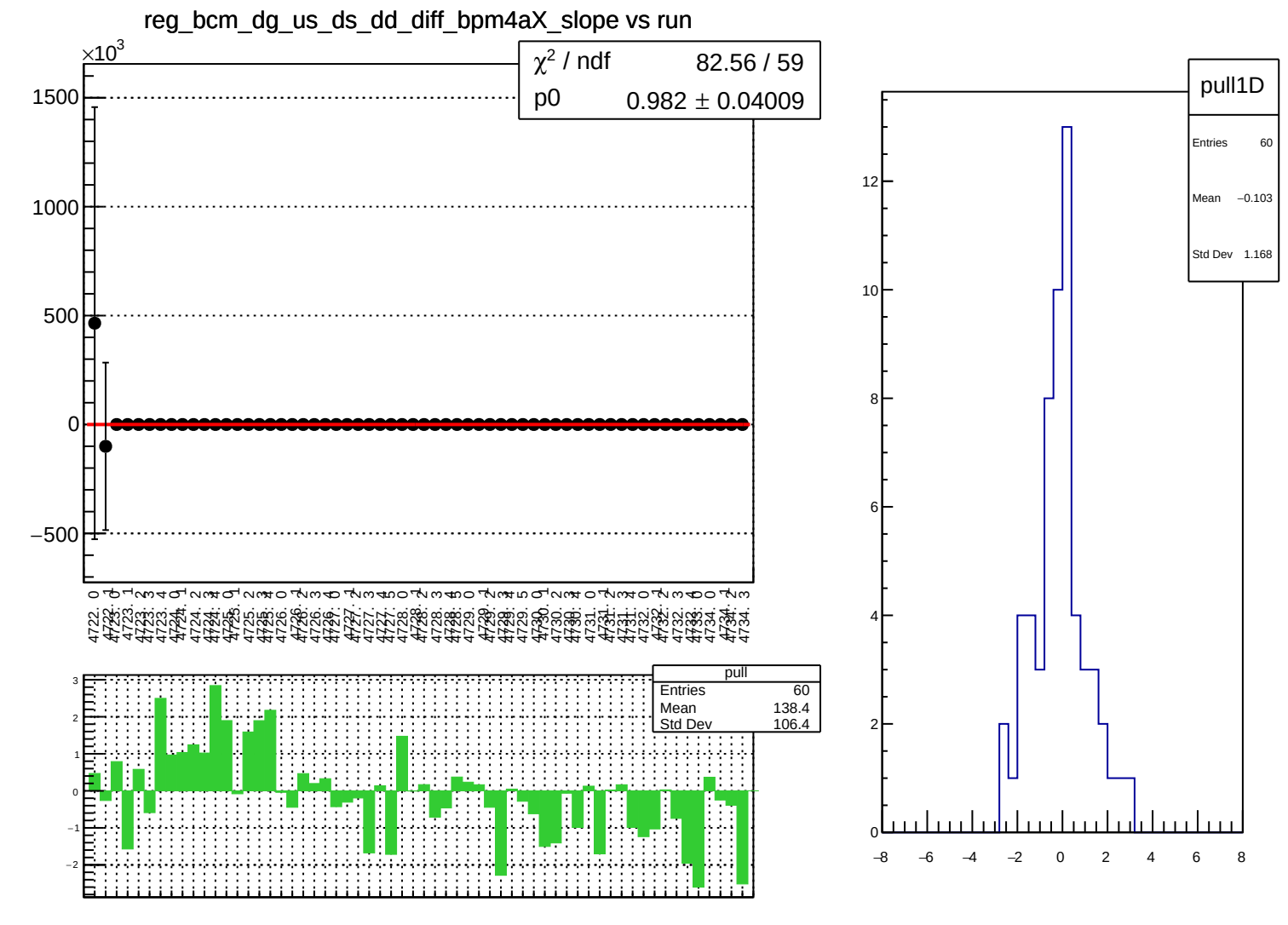

pull1D
Entries 60
Mean 0.005684
Std Dev 1.344

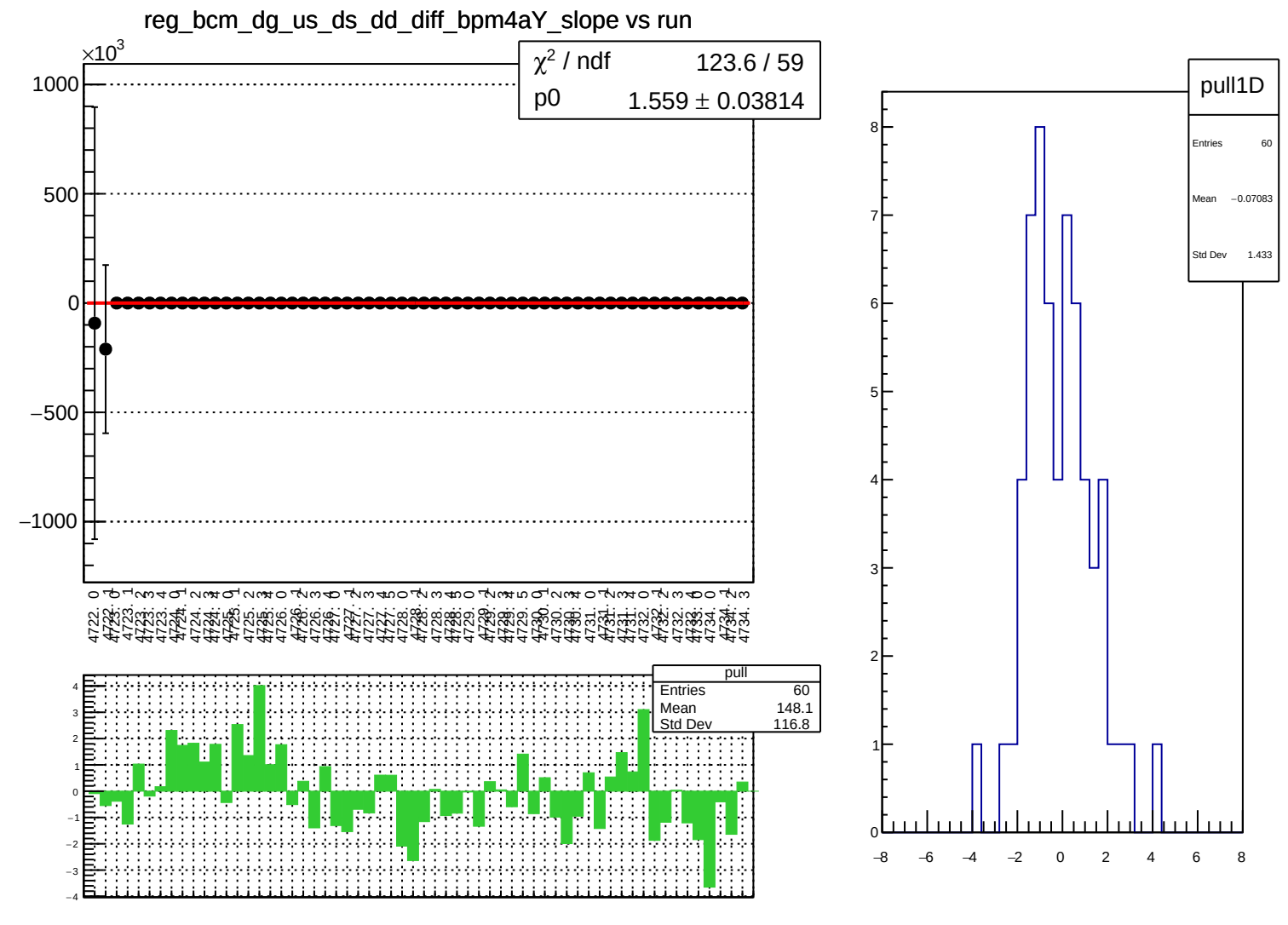

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.14 / 59
p0 −0.0141± 0.04245
pull
Entries 60
Mean 911.4
Std Dev 869.3

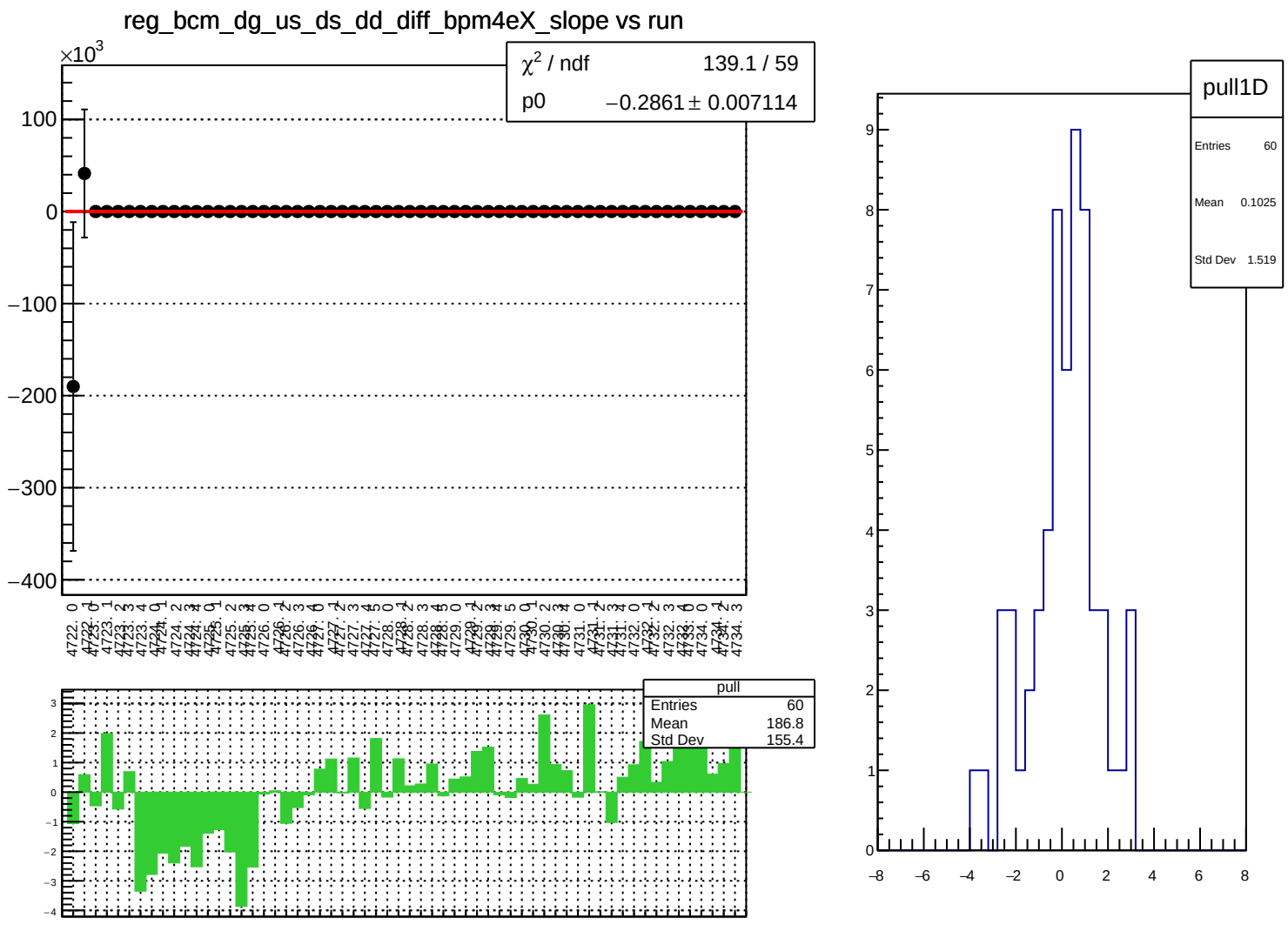

pull1D
Entries 60
Mean −0.00339
Std Dev 1.042

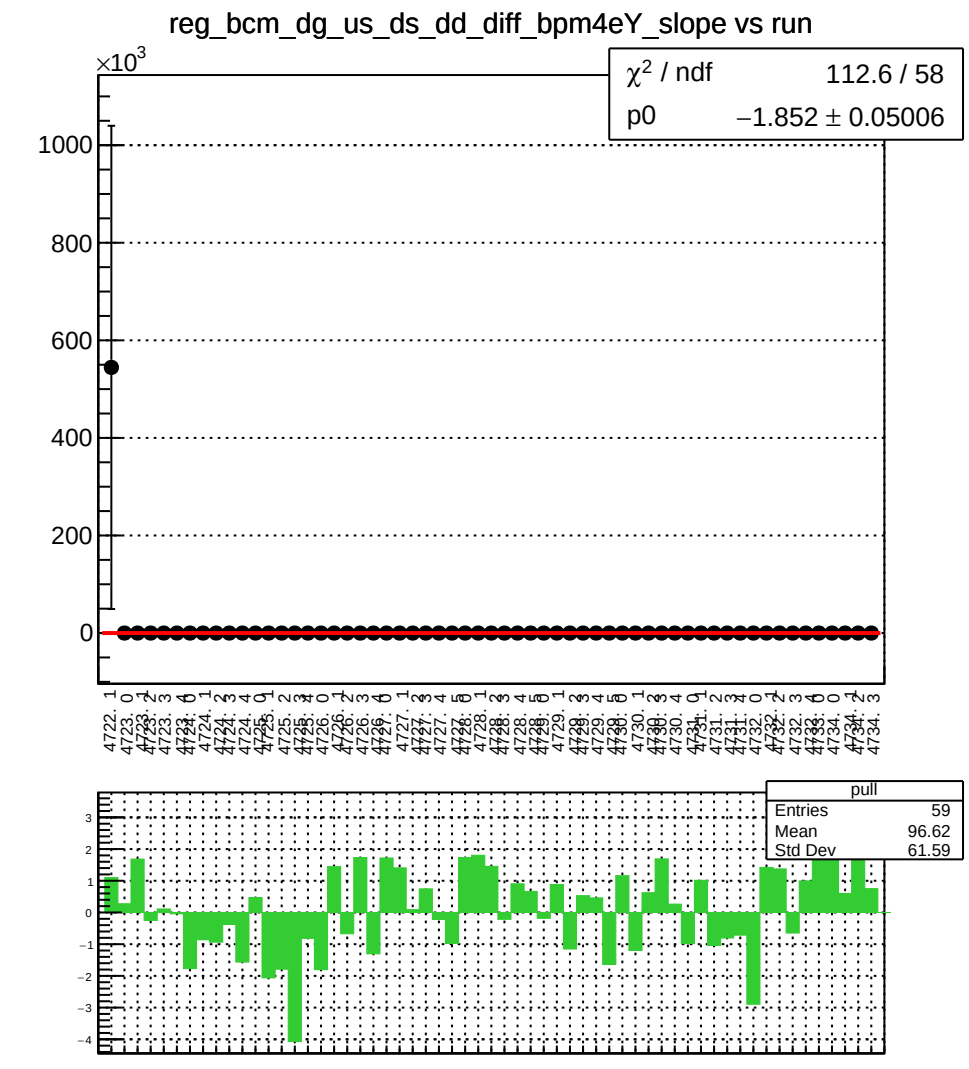

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 103.3 / 59
p0 0.04553 ± 0.006351
pull
Entries 60
Mean −115.9
Std Dev 150.5

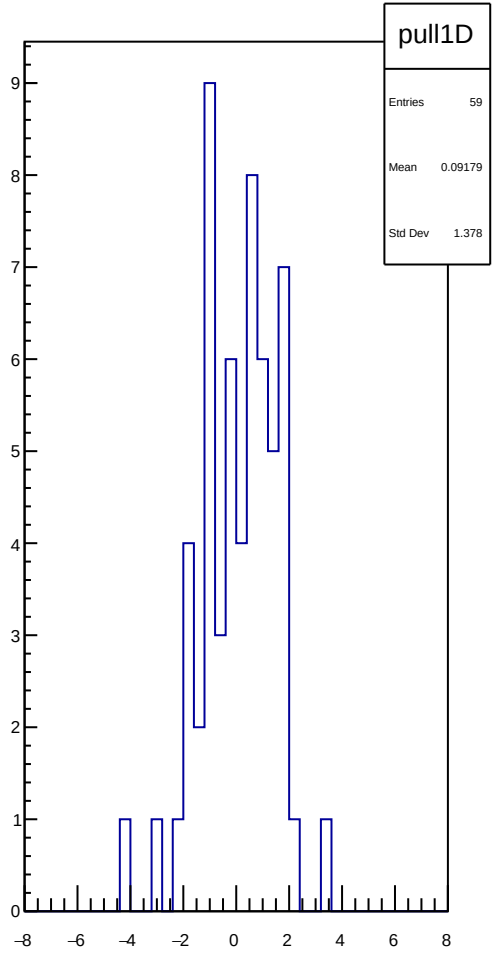

pull1D
Entries 60
Mean 0.03461
Std Dev 1.312

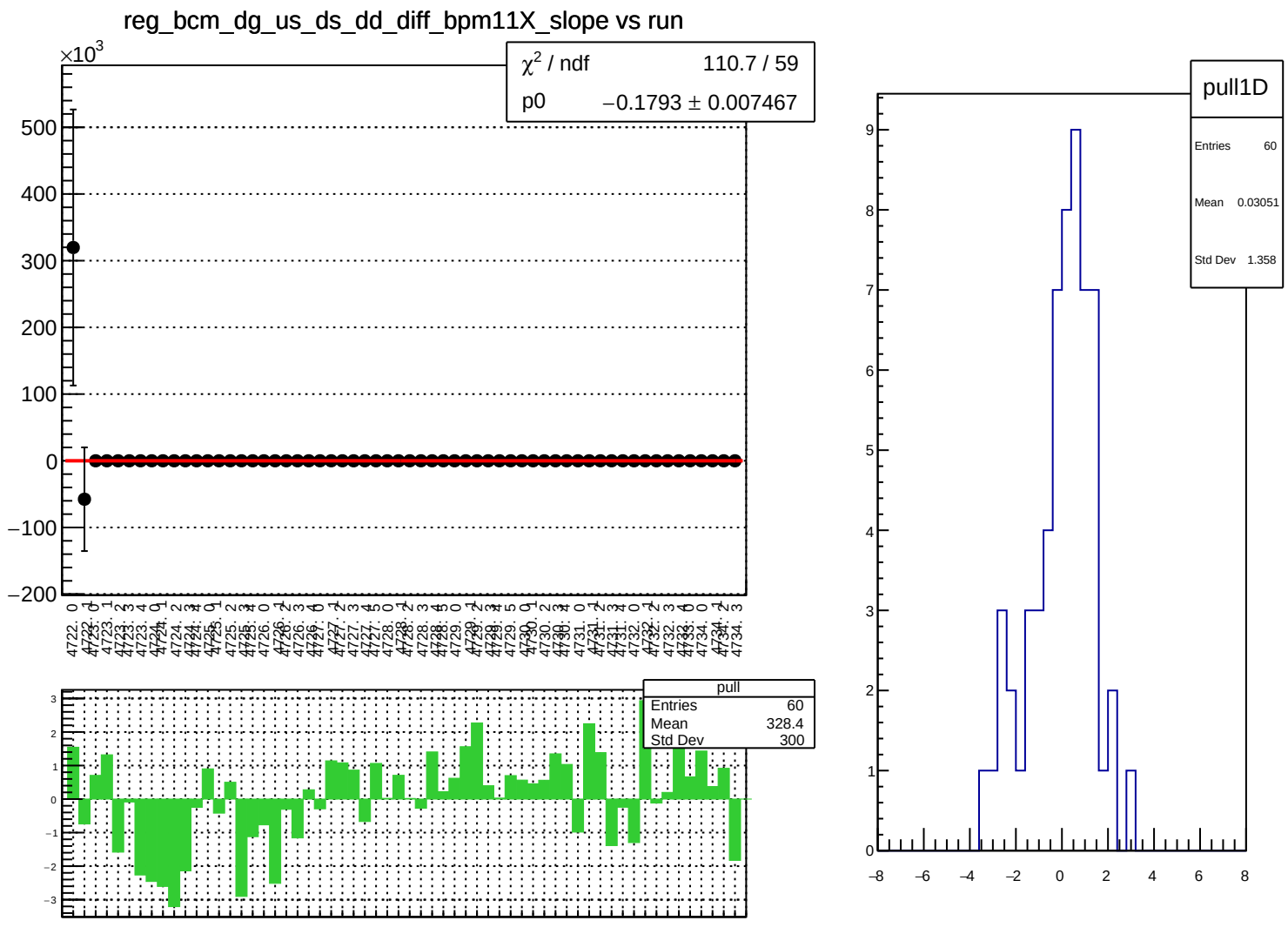

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
×10^3
χ² / ndf 82.56 / 59
p0 0.982 ± 0.04009
1500
1000
500
0
−500
pull
Entries 60
Mean 138.4
Std Dev 106.4
pull1D
Entries 60
Mean −0.103
Std Dev 1.168

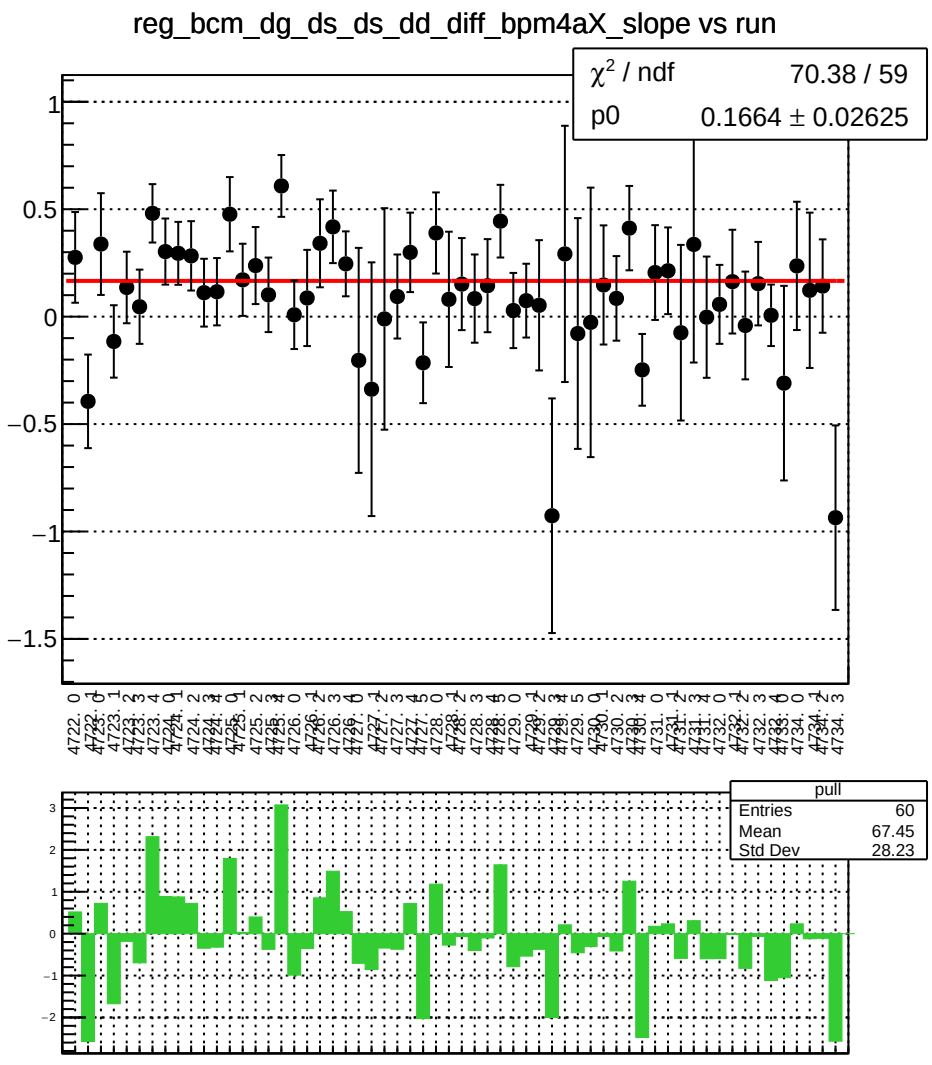

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 123.6 / 59
p0 1.559 ± 0.03814
pull
Entries 60
Mean 148.1
Std Dev 116.8
pull1D
Entries 60
Mean −0.07083
Std Dev 1.433

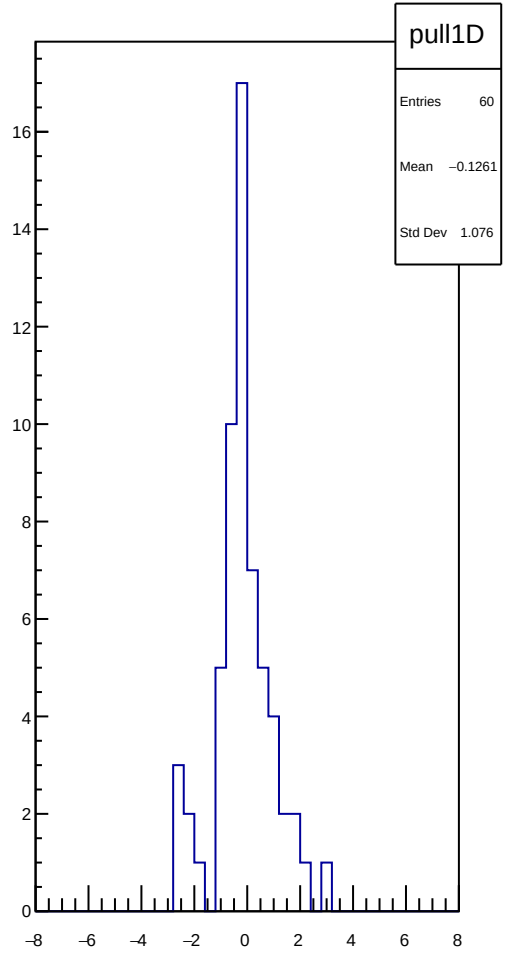

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 139.1 / 59
p0 −0.2861 ± 0.007114
100
0
−100
−200
−300
−400
pull
Entries 60
Mean 186.8
Std Dev 155.4
pull1D
Entries 60
Mean 0.1025
Std Dev 1.519

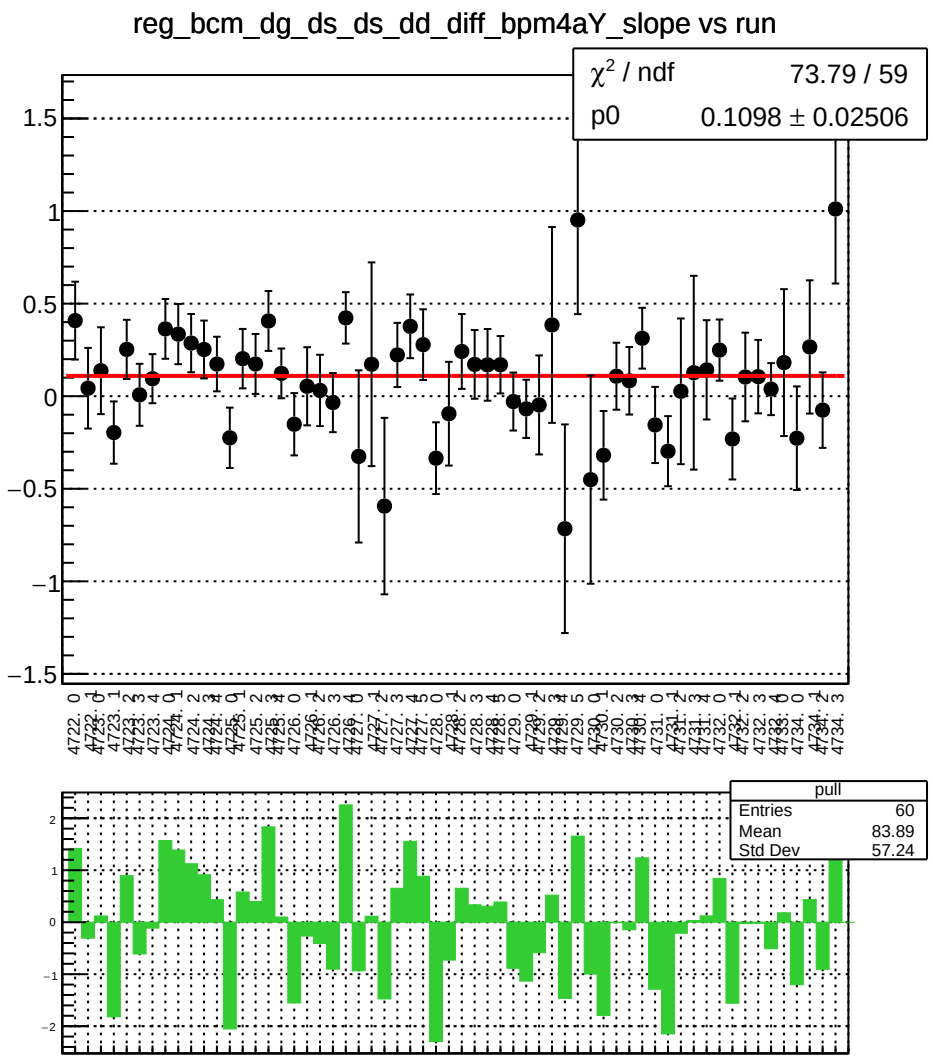

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 112.6 / 58
p0 −1.852 ± 0.05006
1000
800
600
400
200
0
pull
Entries 59
Mean 96.62
Std Dev 61.59
3
2
1
0
−1
−2
−3
−4

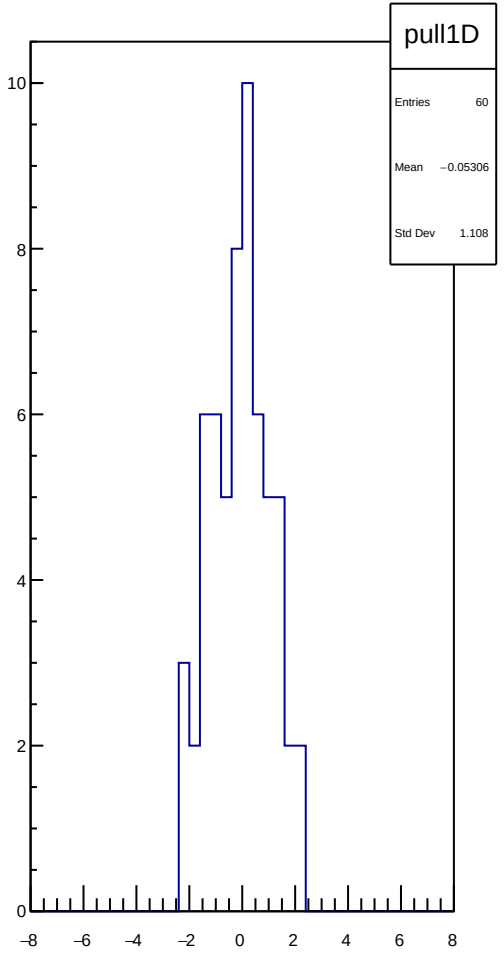

pull1D
Entries 59
Mean 0.09179
Std Dev 1.378
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

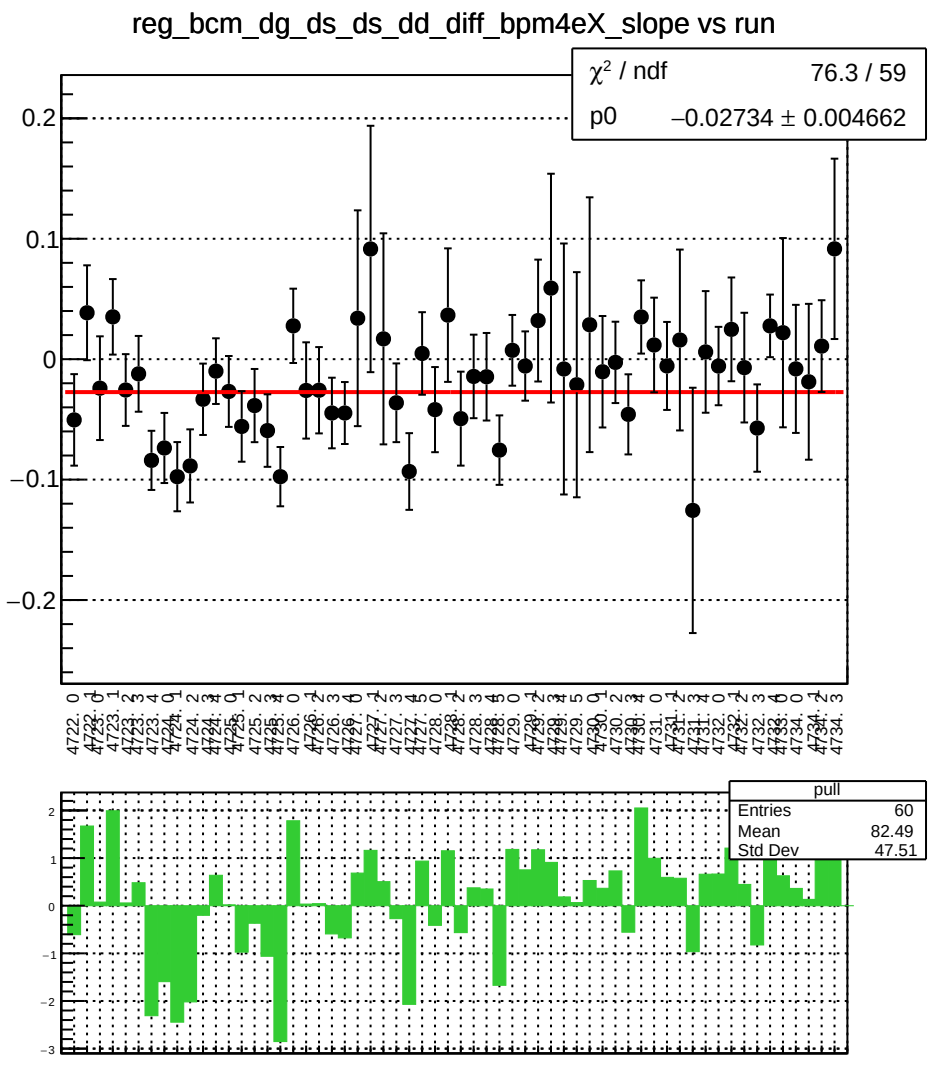

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 110.7 / 59
p0 −0.1793 ± 0.007467
×10³
pull
Entries 60
Mean 328.4
Std Dev 300
pull1D
Entries 60
Mean 0.03051
Std Dev 1.358

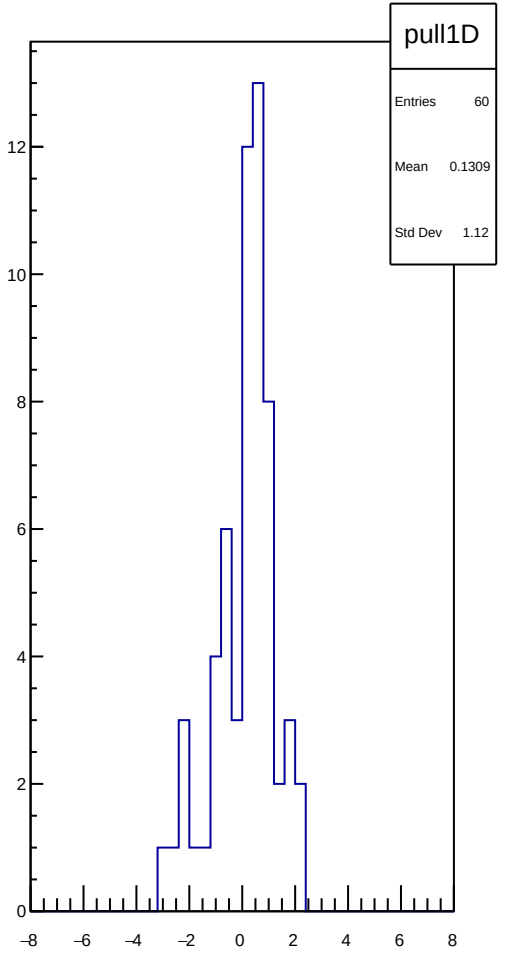

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 70.38 / 59
p0 0.1664 ± 0.02625
pull
Entries 60
Mean 67.45
Std Dev 28.23

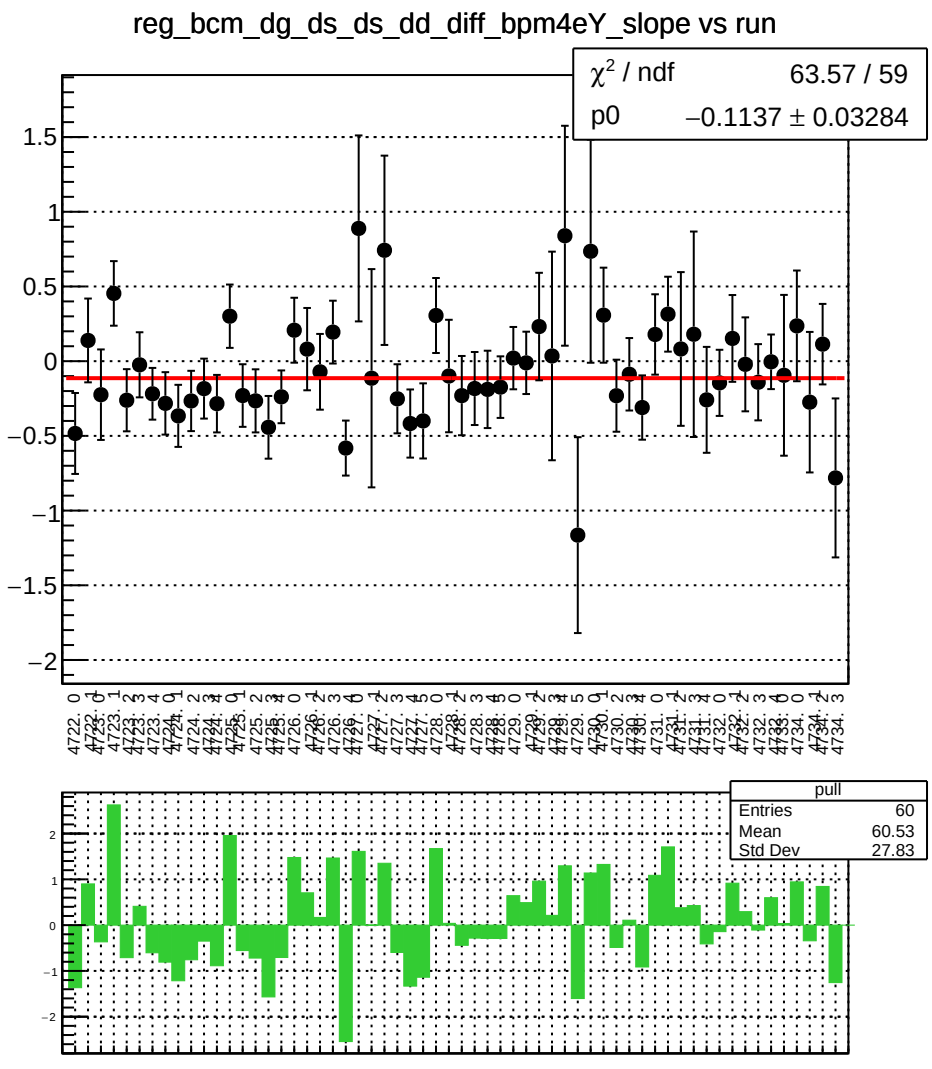

pull1D
Entries 60
Mean −0.1261
Std Dev 1.076

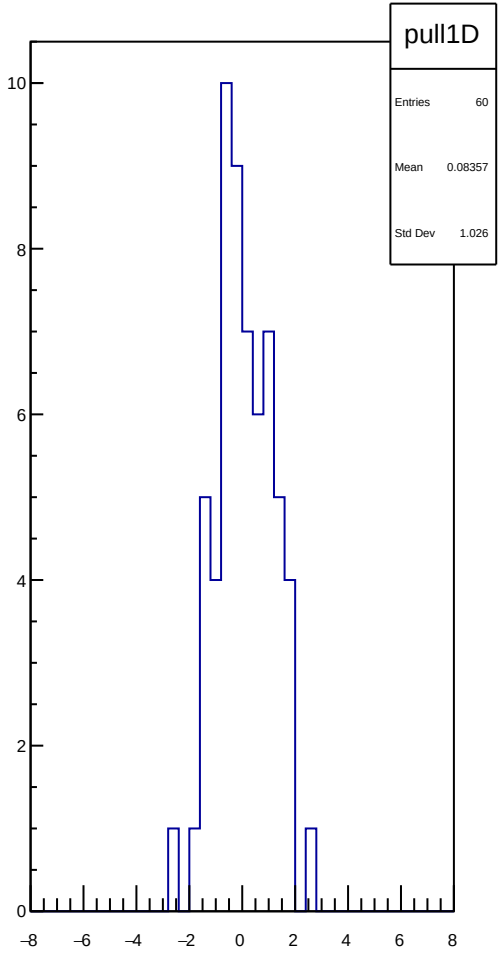

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.79 / 59
p0 0.1098 ± 0.02506
pull
Entries 60
Mean 83.89
Std Dev 57.24

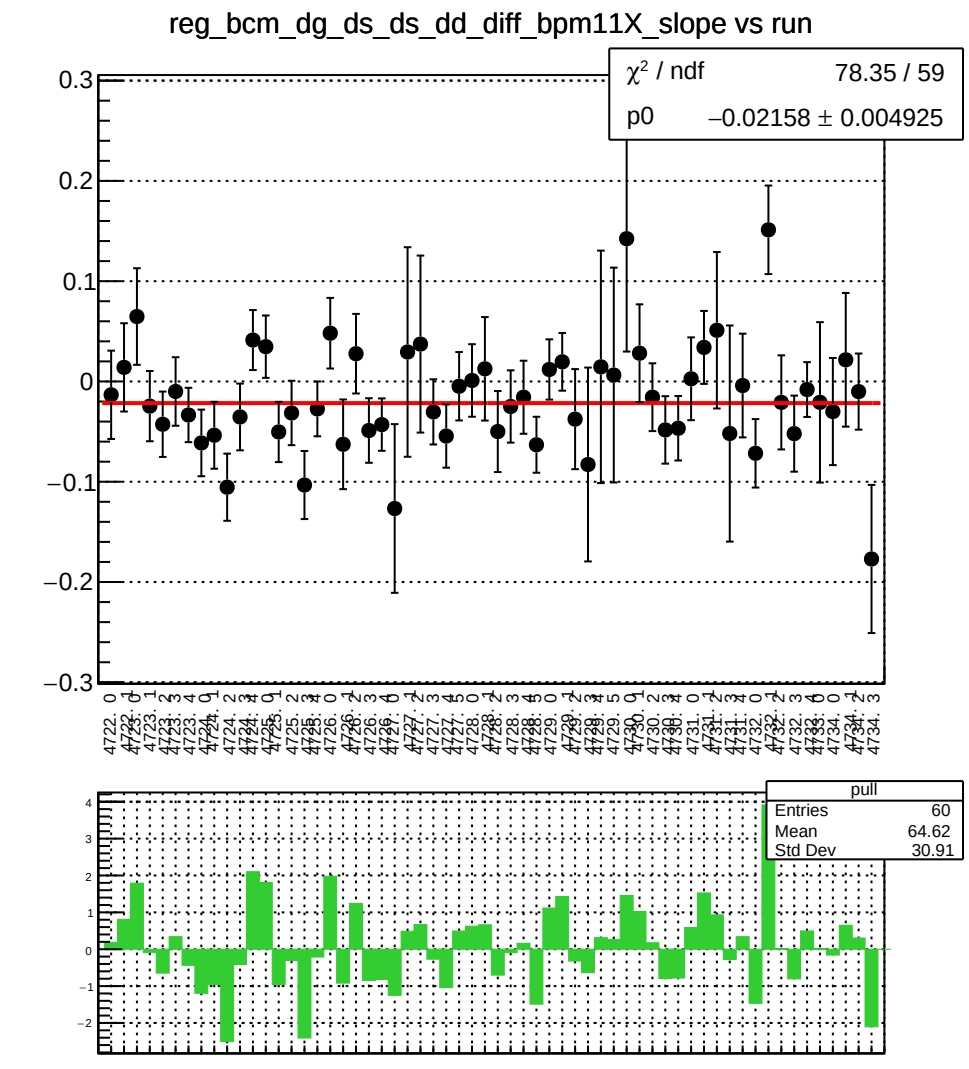

pull1D
Entries 60
Mean −0.05306
Std Dev 1.108

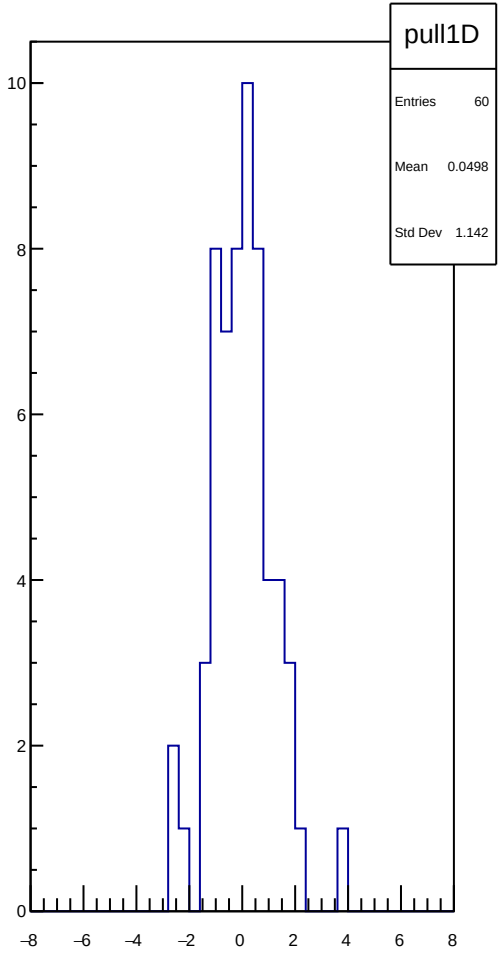

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.3 / 59
p0 −0.02734 ± 0.004662
pull
Entries 60
Mean 82.49
Std Dev 47.51


pull1D
Entries 60
Mean 0.1309
Std Dev 1.12


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.57 / 59
p0 −0.1137 ± 0.03284
pull
Entries 60
Mean 60.53
Std Dev 27.83


pull1D
Entries 60
Mean 0.08357
Std Dev 1.026


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 78.35 / 59
p0 −0.02158 ± 0.004925
pull
Entries 60
Mean 64.62
Std Dev 30.91


pull1D
Entries 60
Mean 0.0498
Std Dev 1.142