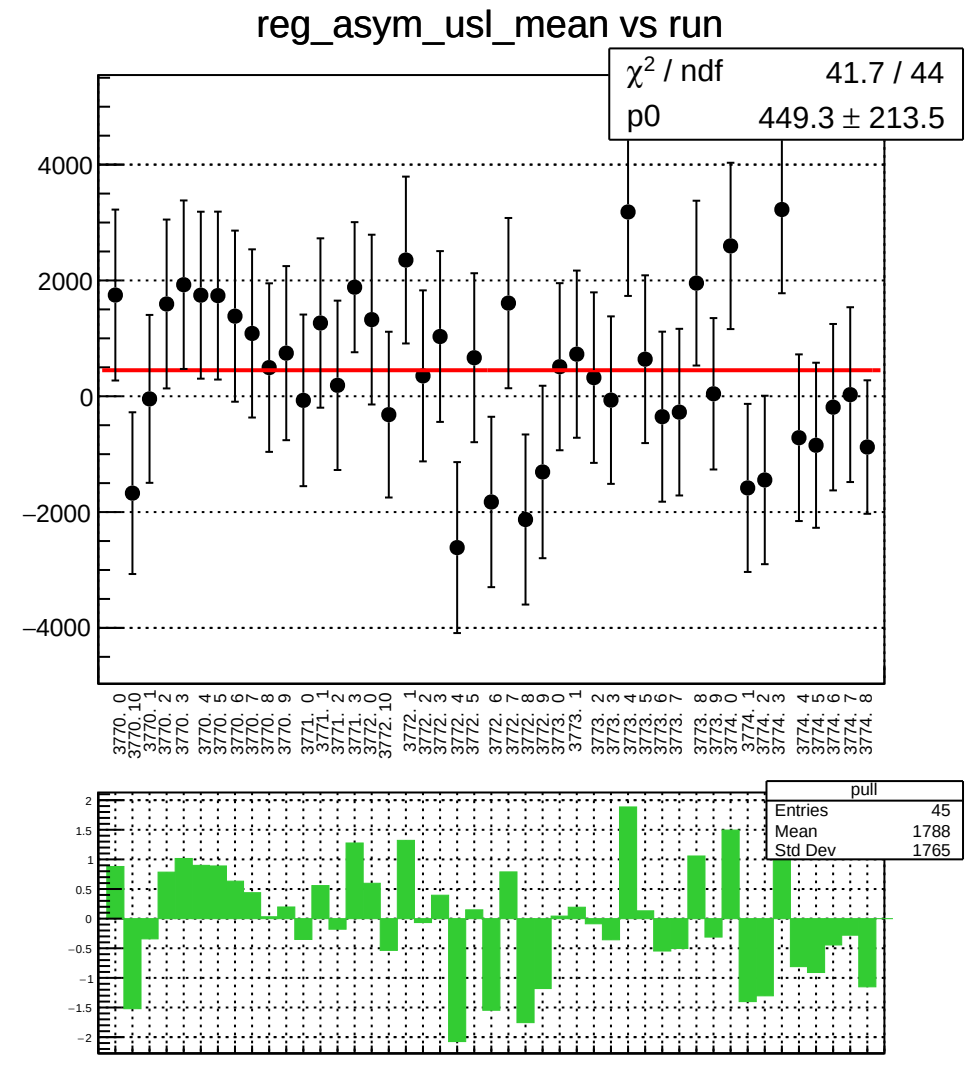
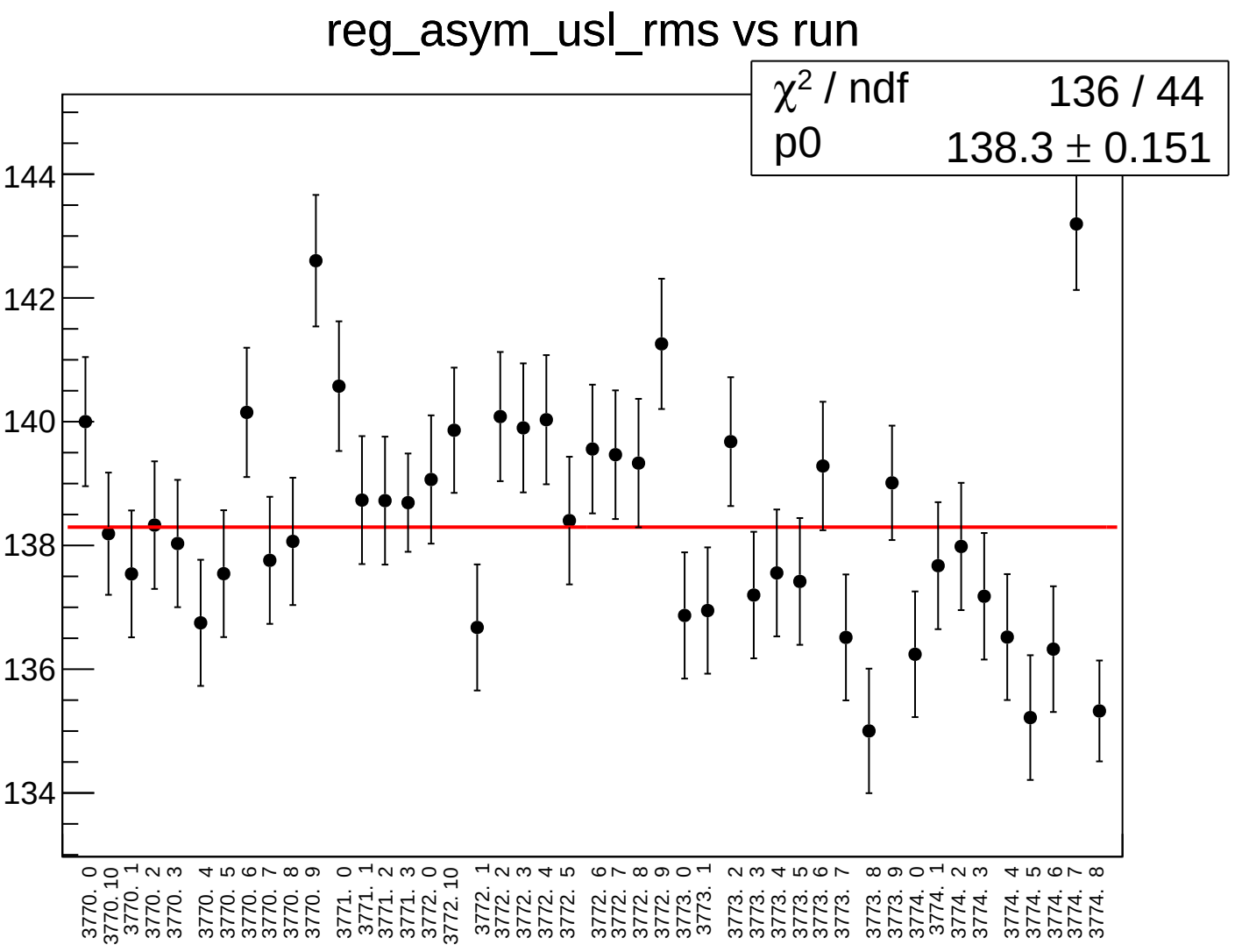
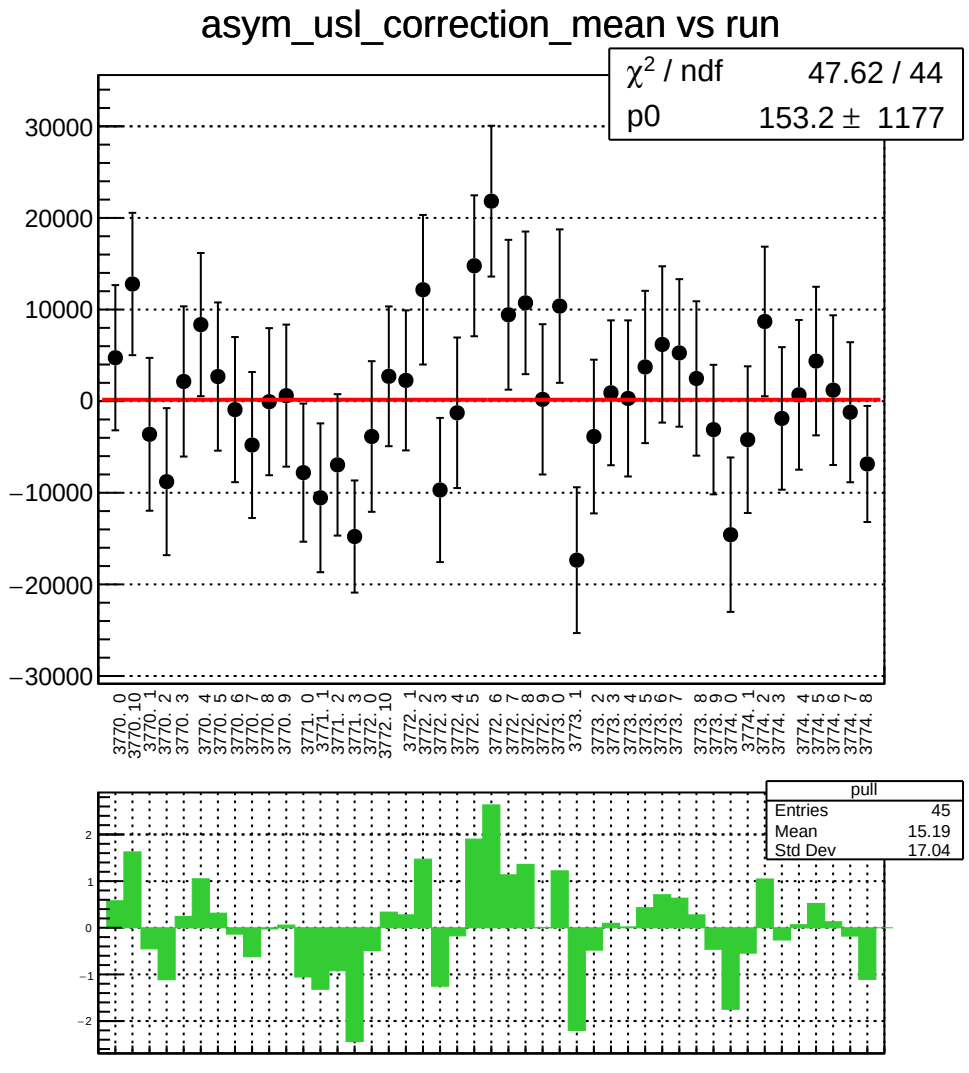
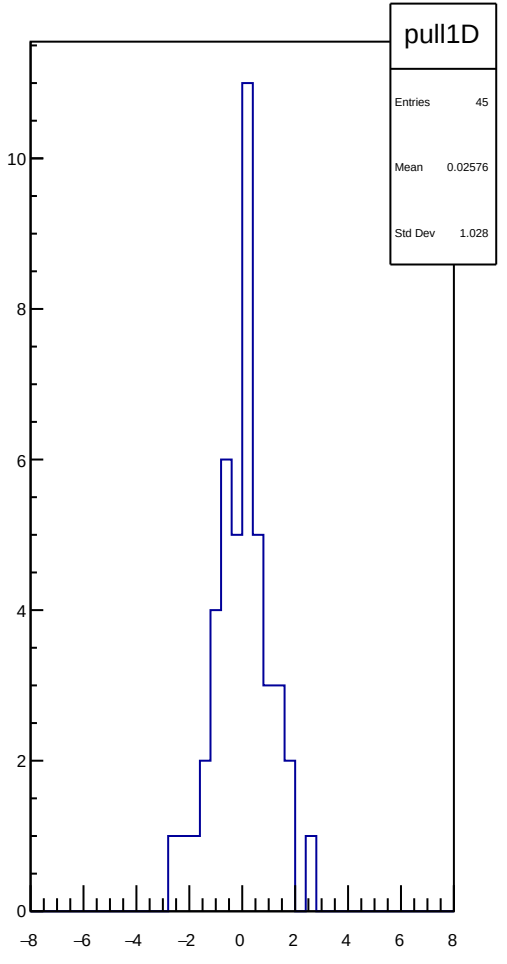
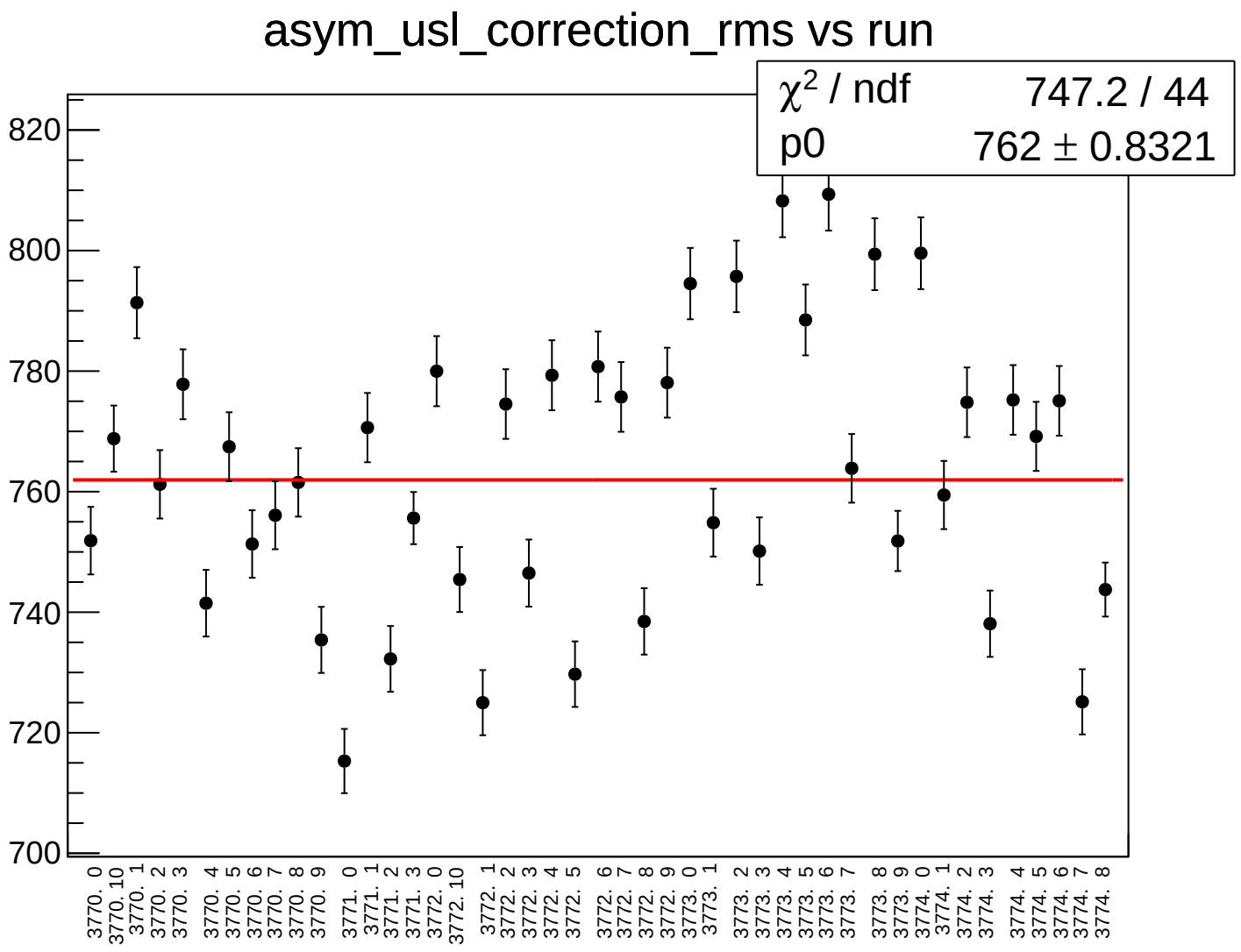
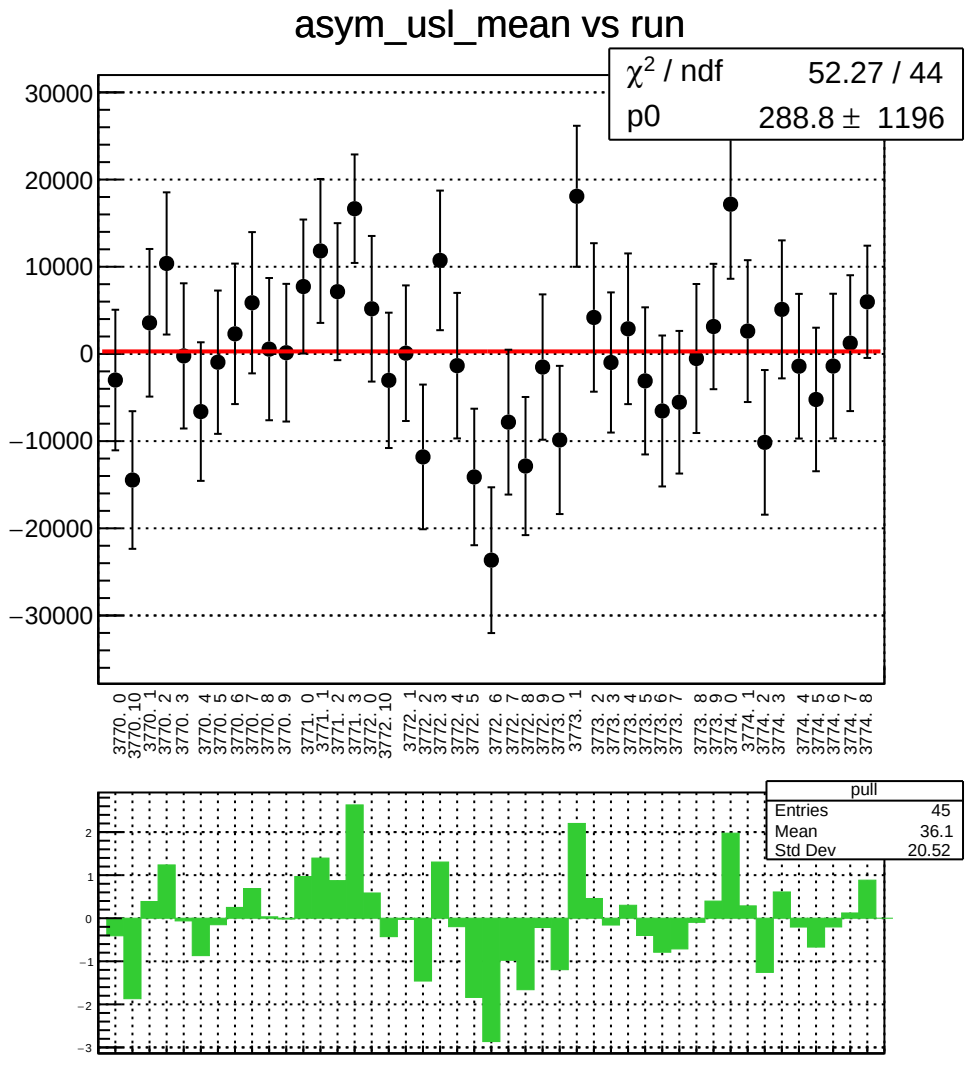

reg_asym_usl_mean vs run
χ^2 / ndf 41.7 / 44
p0 449.3 ± 213.5
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1788
Std Dev 1765
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean −0.001648
Std Dev 0.9626
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

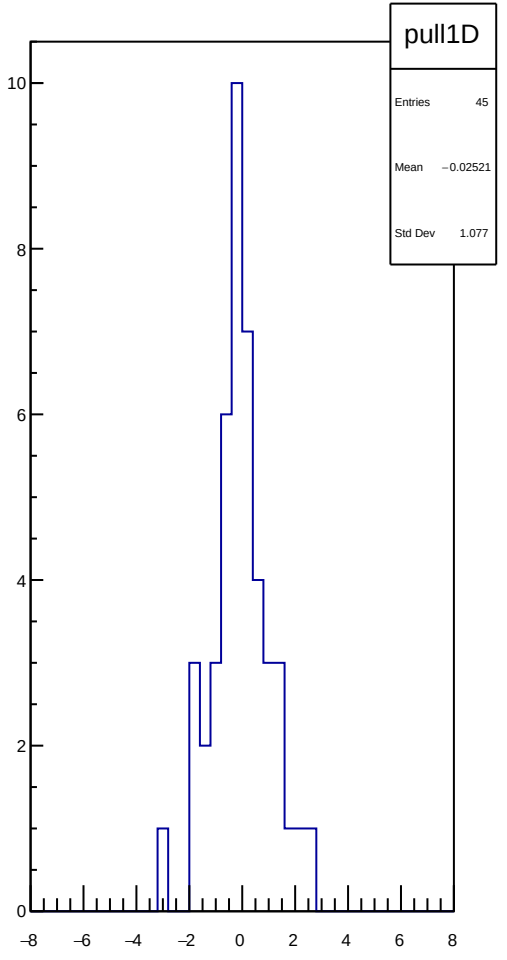

reg_asym_usl_rms vs run
χ² / ndf 136 / 44
p0 138.3 ± 0.151
144
142
140
138
136
134
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

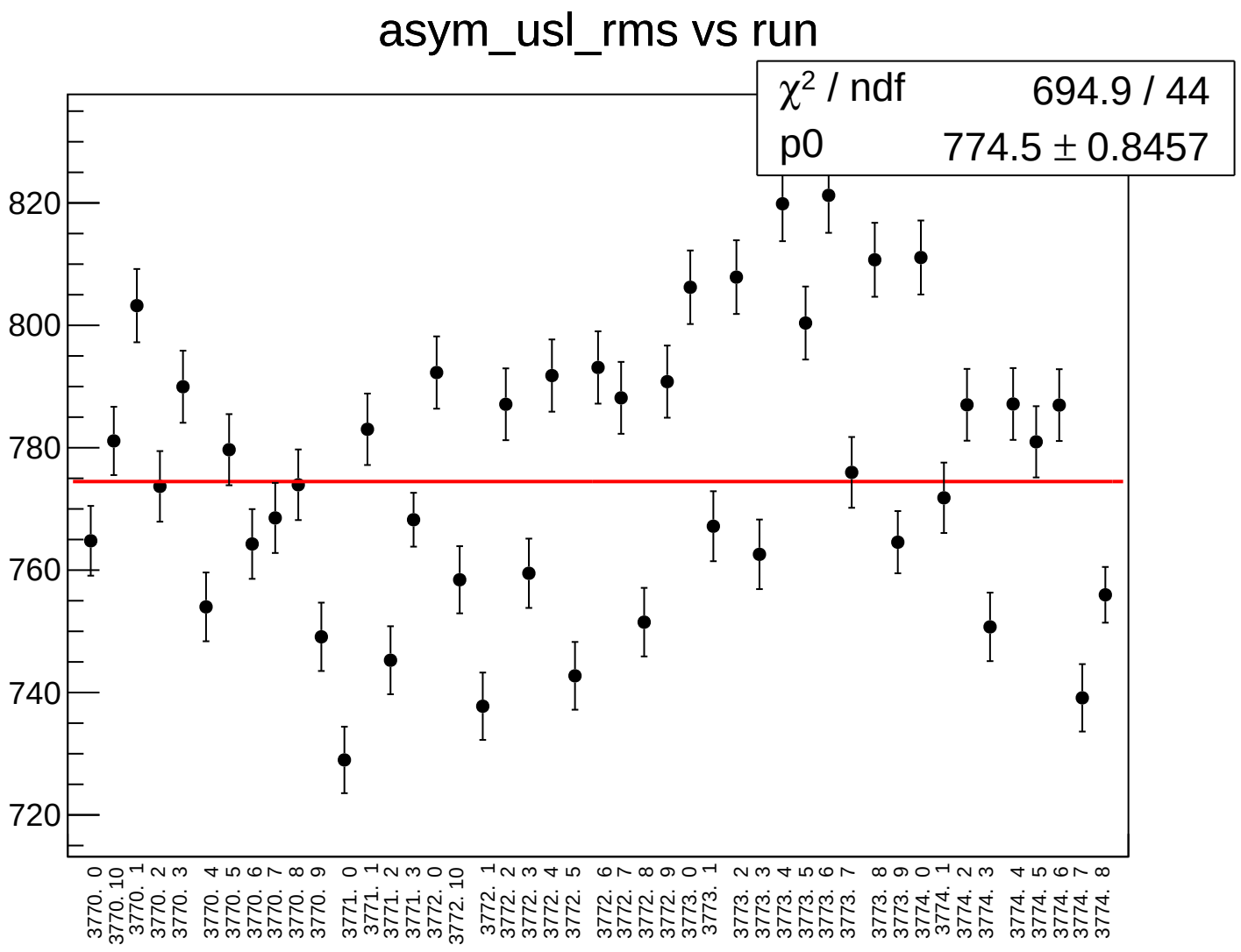

asym_usl_correction_mean vs run
χ² / ndf 47.62 / 44
p0 153.2 ± 1177
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 15.19
Std Dev 17.04
2
1
0
−1
−2

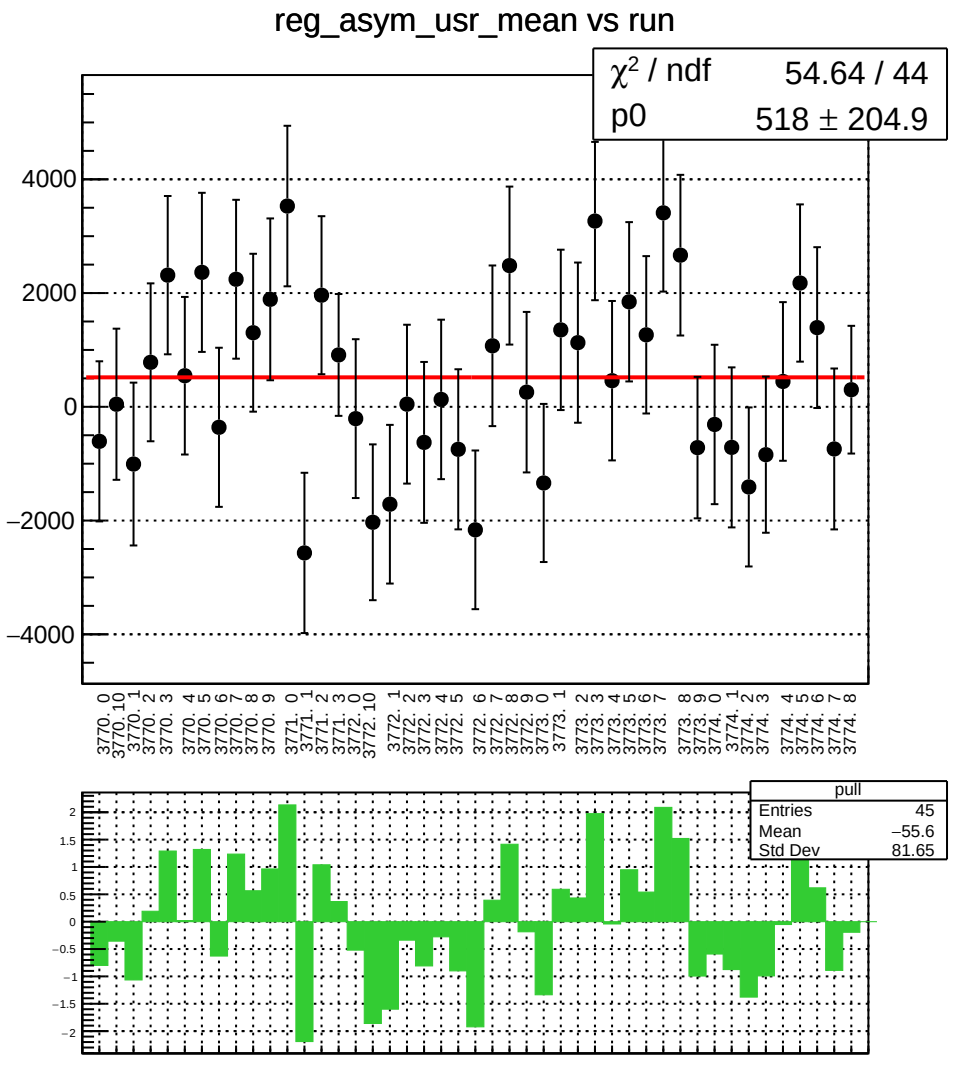

pull1D
Entries 45
Mean 0.02576
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

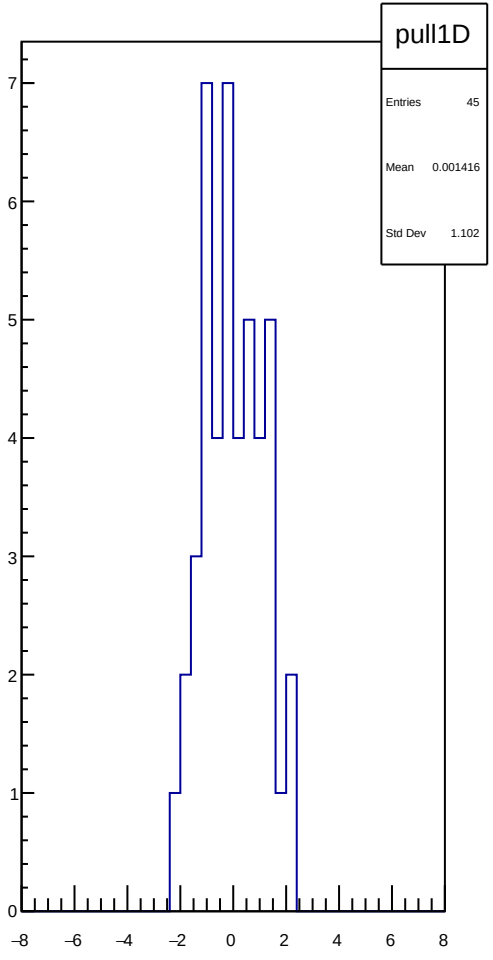

asym_usl_correction_rms vs run
χ² / ndf 747.2 / 44
p0 762 ± 0.8321
820
800
780
760
740
720
700
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

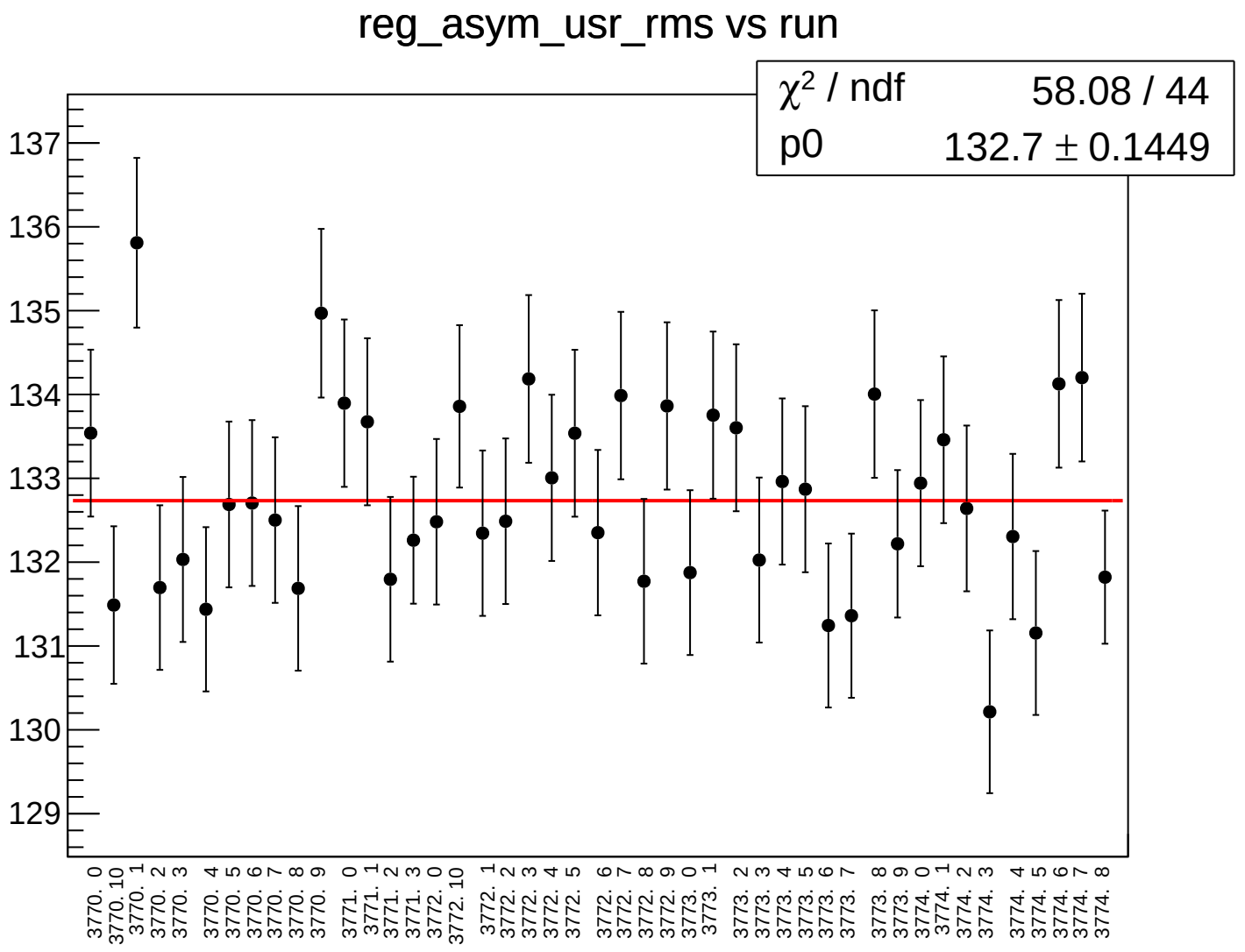

asym_usl_mean vs run
χ² / ndf 52.27 / 44
p0 288.8 ± 1196
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 36.1
Std Dev 20.52
2
1
0
−1
−2
−3

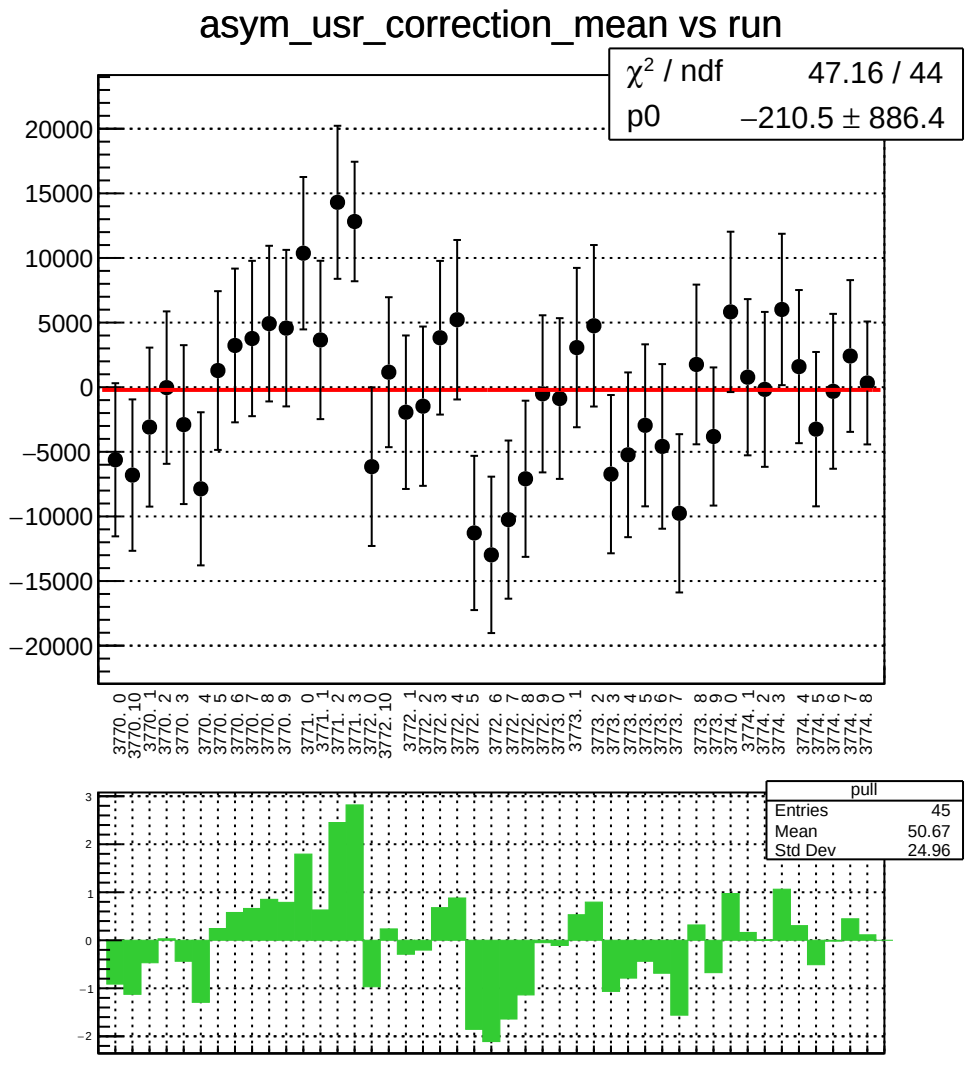

pull1D
Entries 45
Mean −0.02521
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

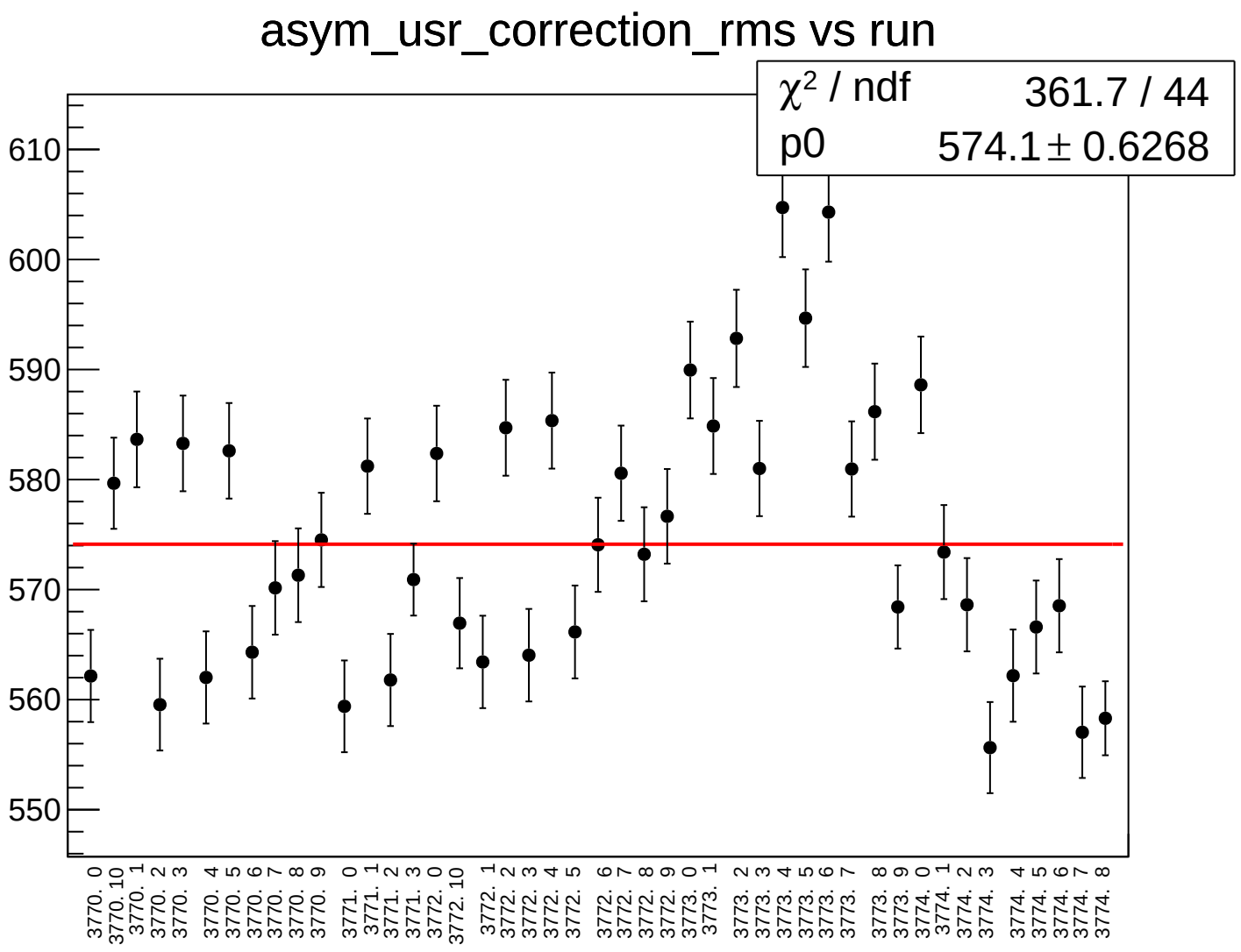

asym_usl_rms vs run
χ² / ndf 694.9 / 44
p0 774.5 ± 0.8457
820
800
780
760
740
720
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

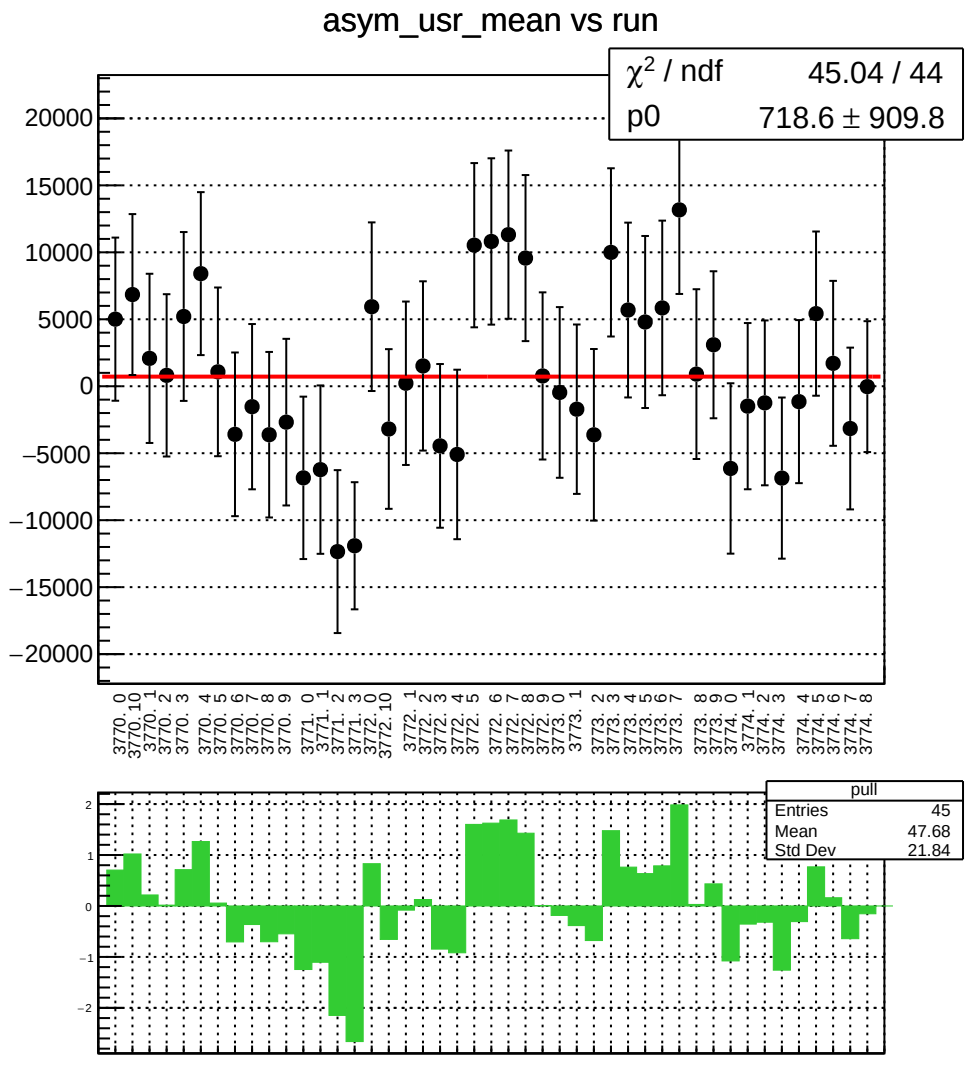

reg_asym_usr_mean vs run
χ² / ndf 54.64 / 44
p0 518 ± 204.9
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −55.6
Std Dev 81.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

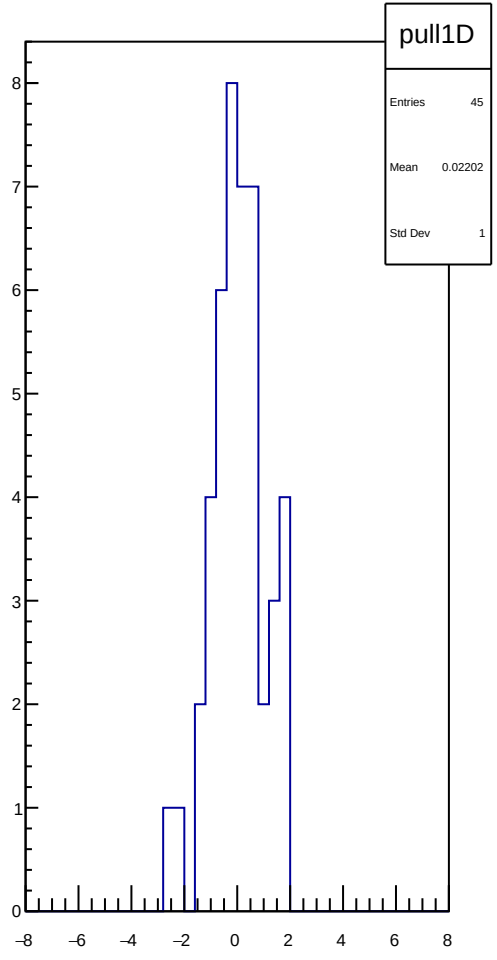

pull1D
Entries 45
Mean 0.001416
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

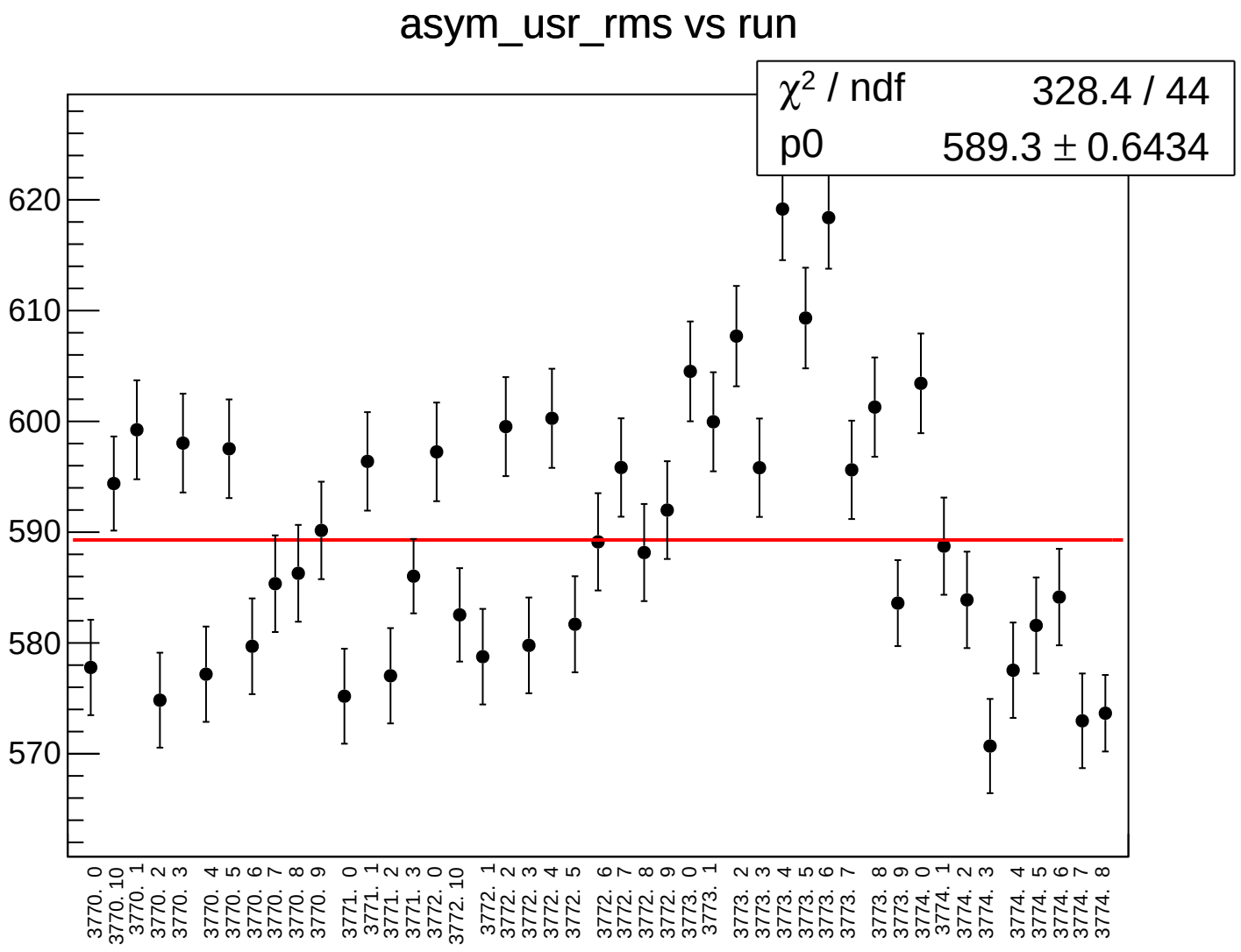

reg_asym_usr_rms vs run
χ² / ndf 58.08 / 44
p0 132.7 ± 0.1449
137
136
135
134
133
132
131
130
129
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

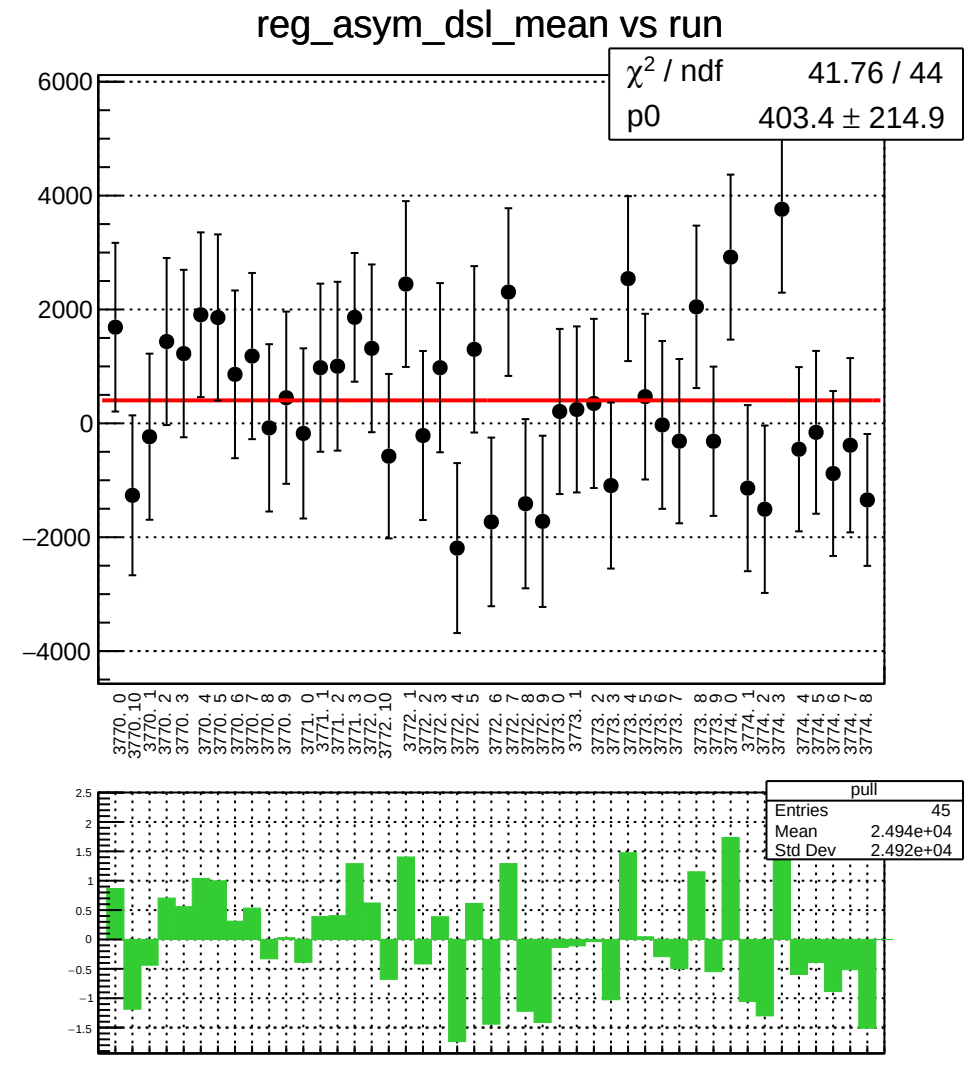

asym_usr_correction_mean vs run
χ² / ndf 47.16 / 44
p0 −210.5 ± 886.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 50.67
Std Dev 24.96
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.02146
Std Dev 1.023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

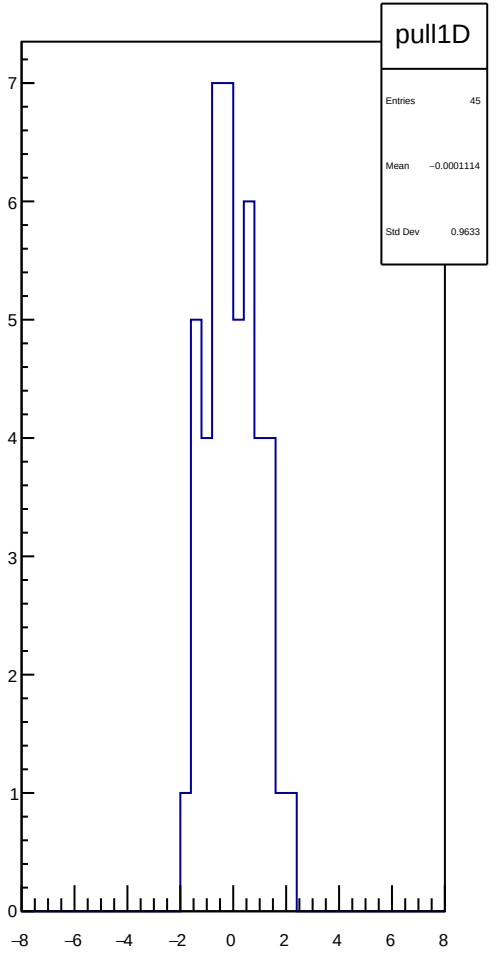

asym_usr_correction_rms vs run
χ² / ndf 361.7 / 44
p0 574.1 ± 0.6268
610
600
590
580
570
560
550
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

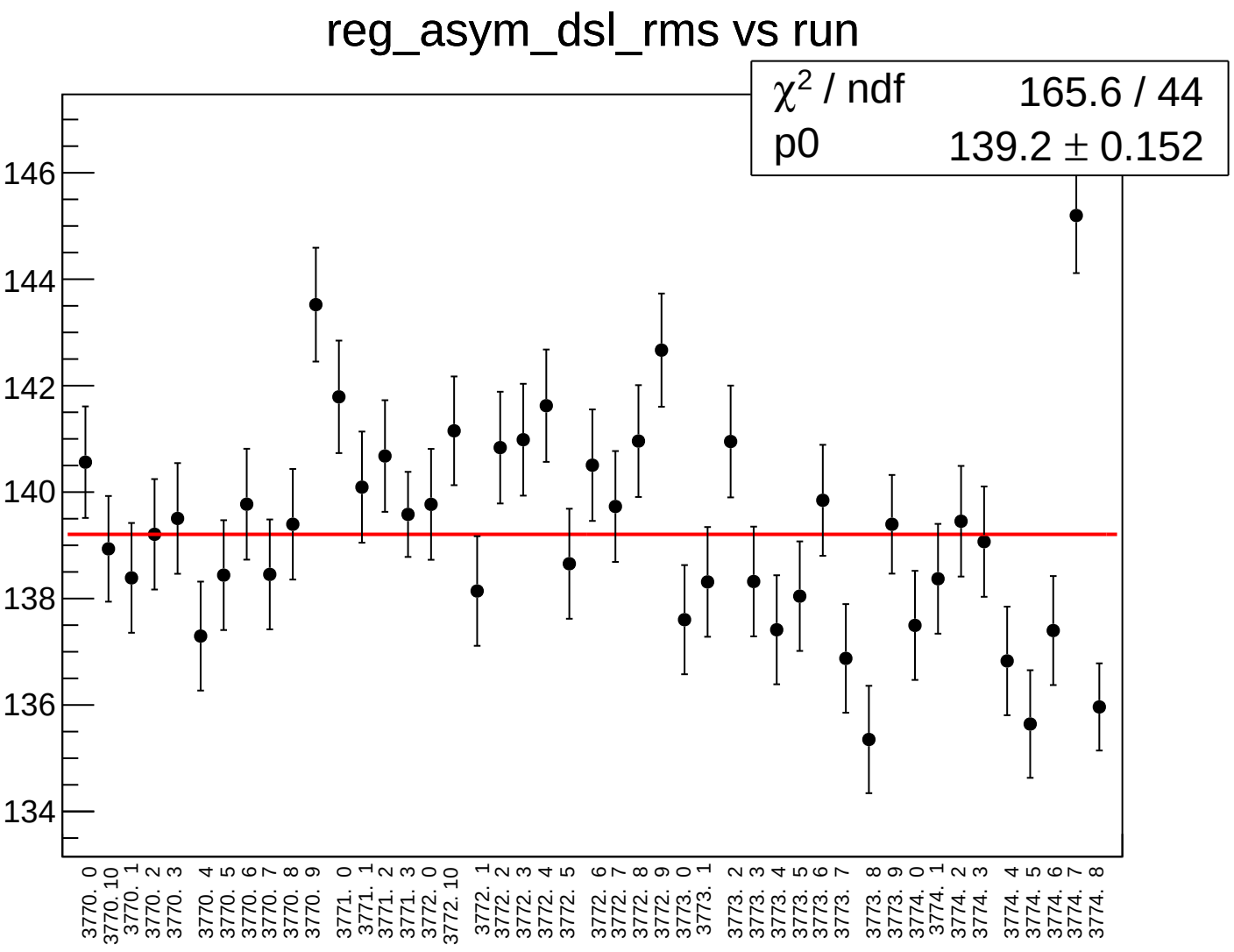

asym_usr_mean vs run
χ² / ndf 45.04 / 44
p0 718.6 ± 909.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 47.68
Std Dev 21.84
2
1
0
−1
−2

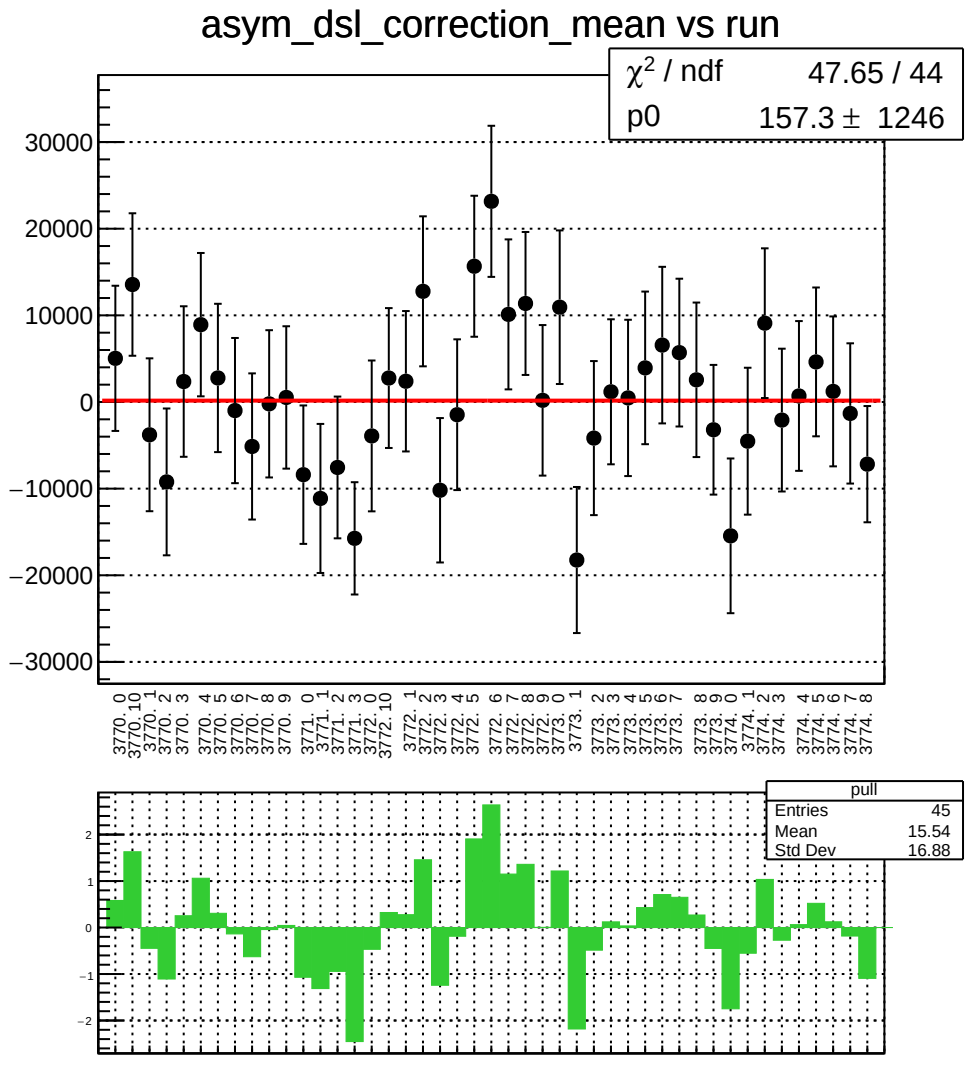

pull1D
Entries 45
Mean 0.02202
Std Dev 1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

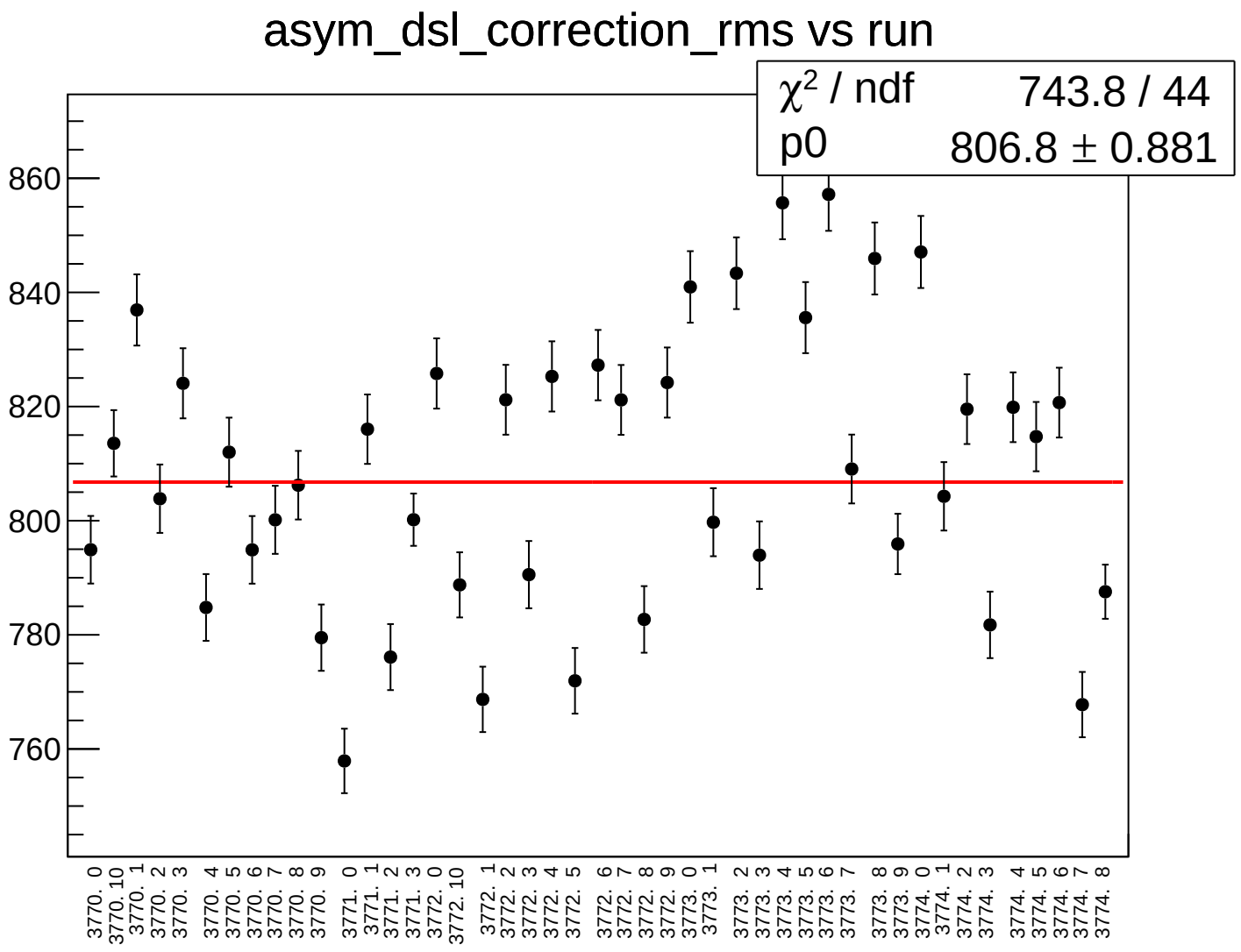

asym_usr_rms vs run
χ² / ndf 328.4 / 44
p0 589.3 ± 0.6434
620
610
600
590
580
570
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

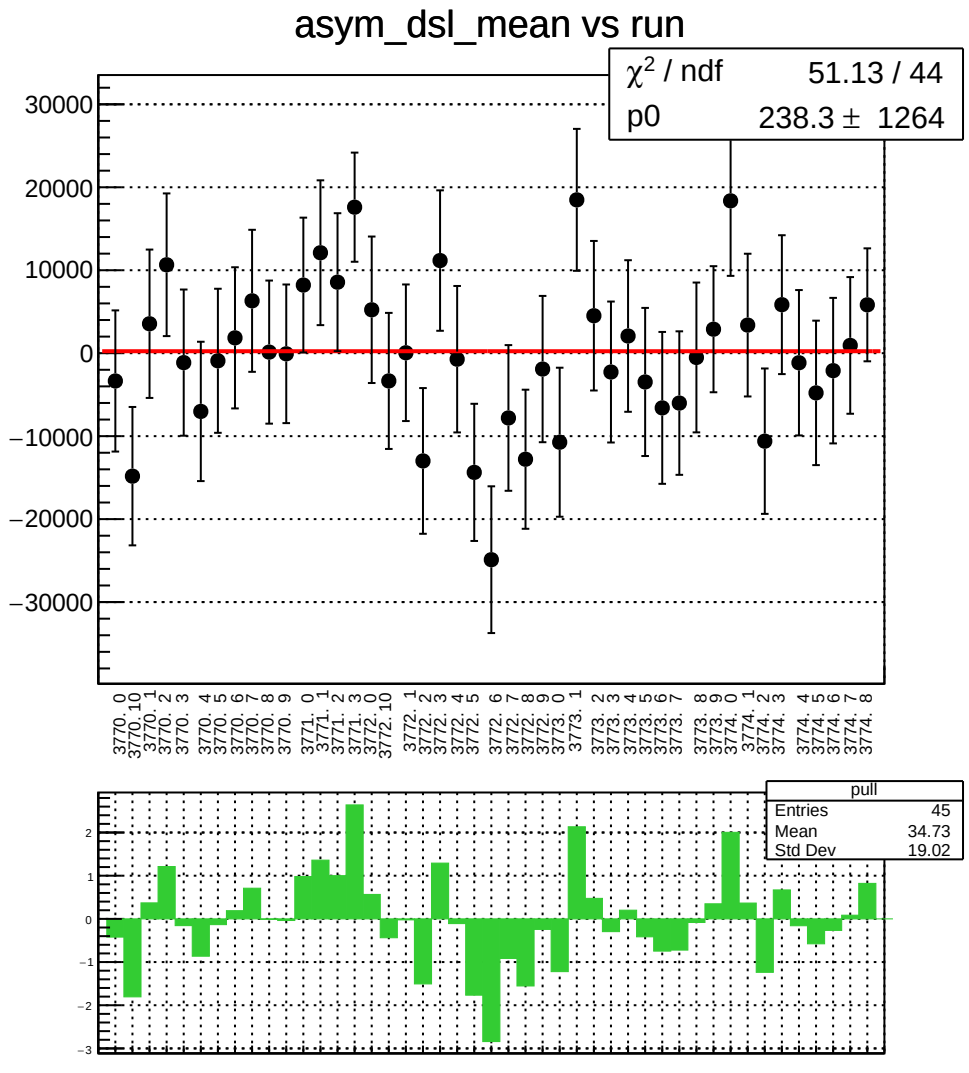

reg_asym_dsl_mean vs run
χ² / ndf 41.76 / 44
p0 403.4 ± 214.9
6000
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2.494e+04
Std Dev 2.492e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

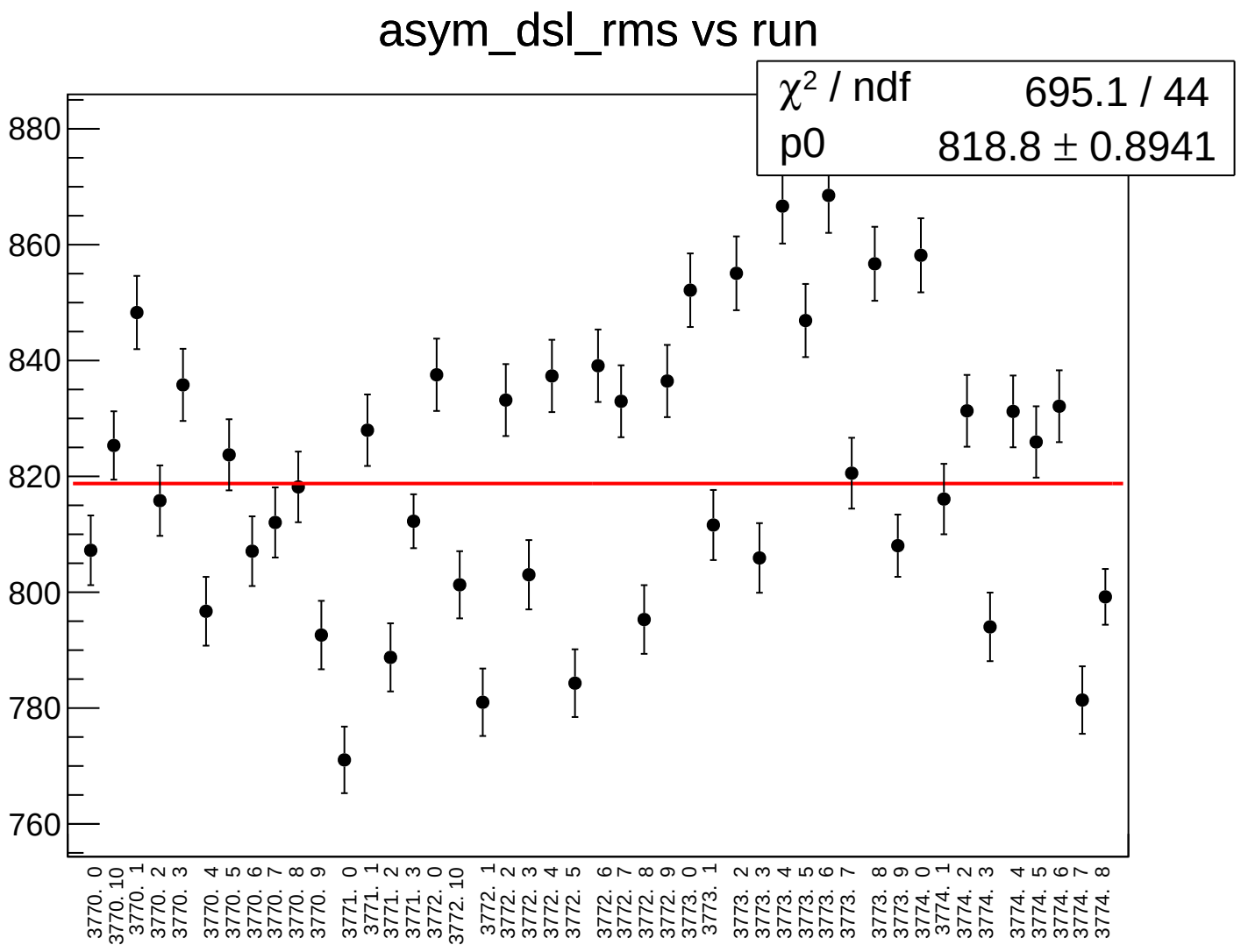

pull1D
Entries 45
Mean −0.0001114
Std Dev 0.9633
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

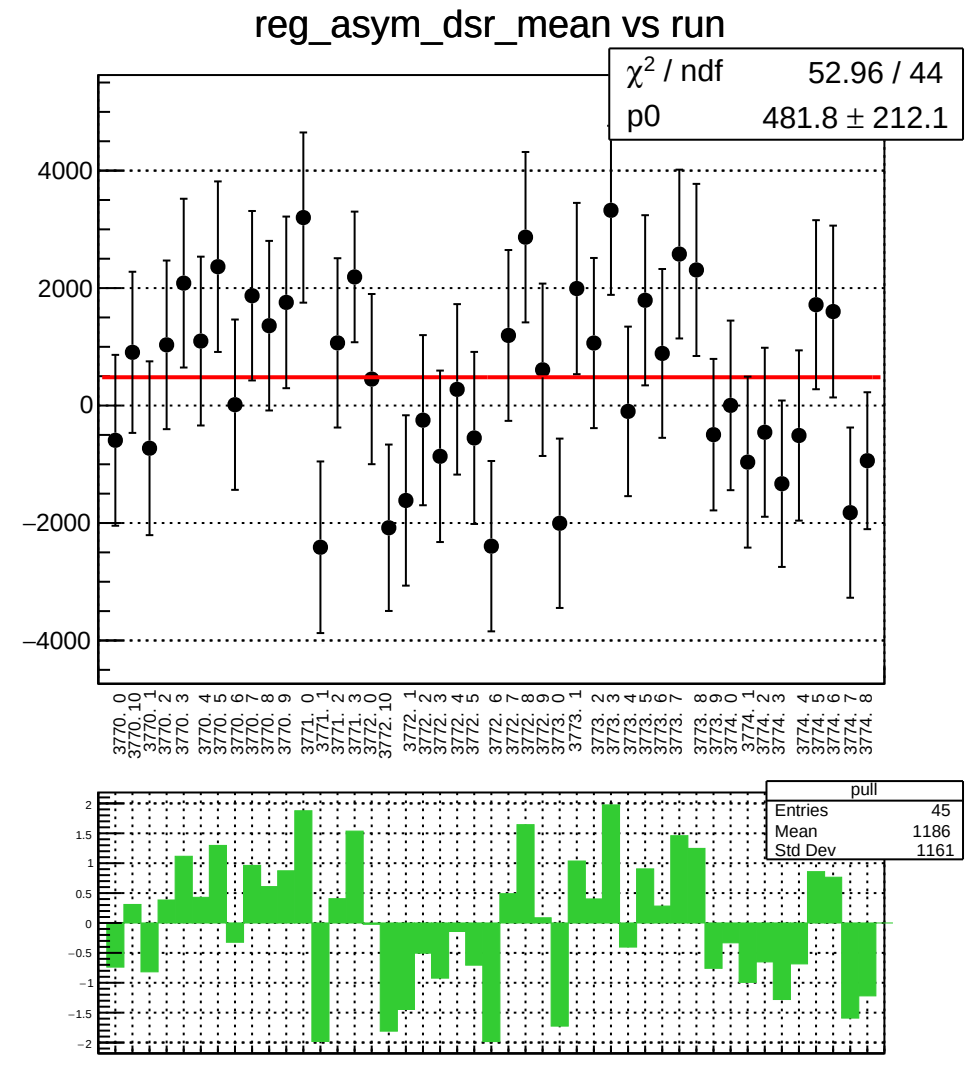

reg_asym_dsl_rms vs run
χ² / ndf 165.6 / 44
p0 139.2 ± 0.152
146
144
142
140
138
136
134
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

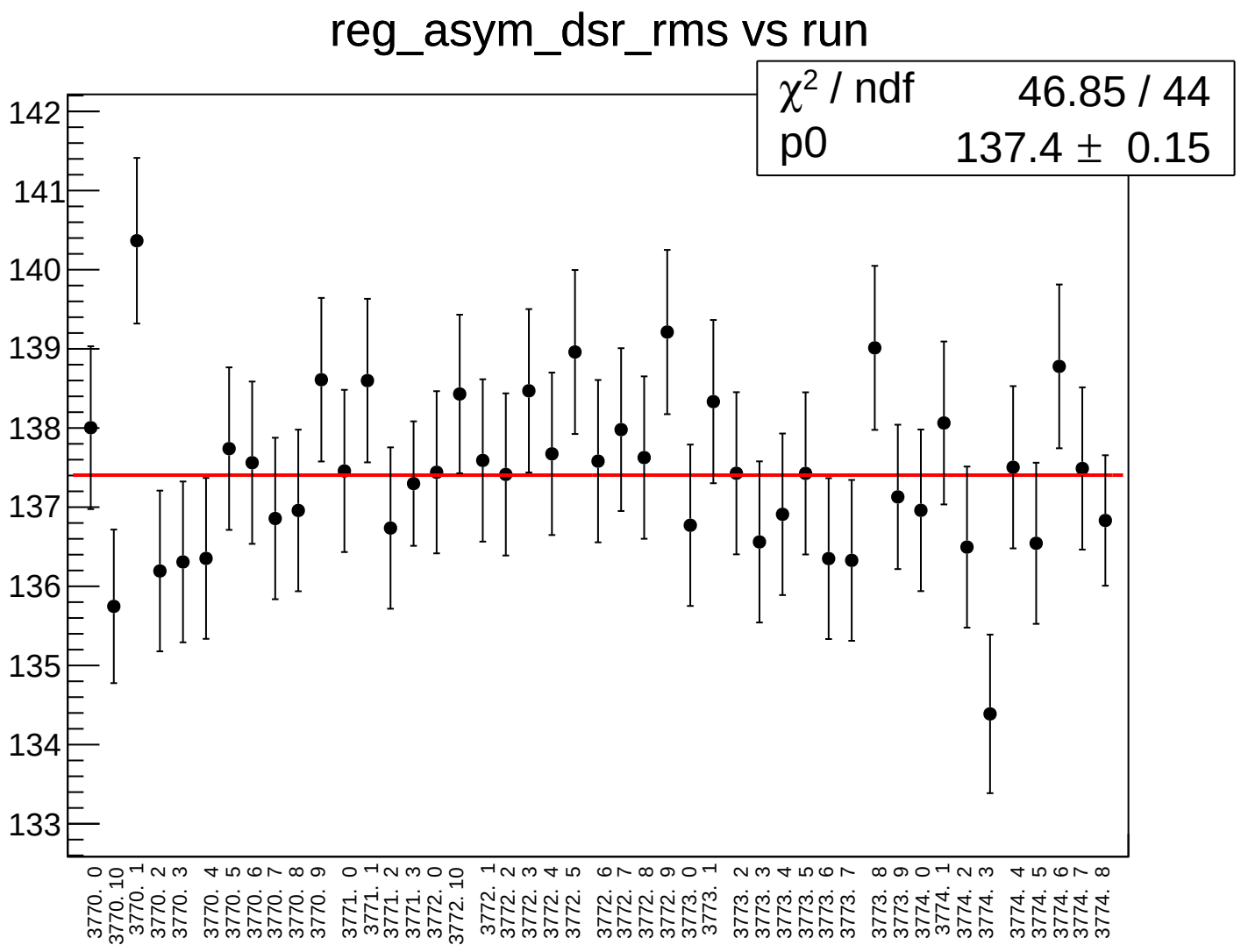

asym_dsl_correction_mean vs run
χ² / ndf 47.65 / 44
p0 157.3 ± 1246
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 15.54
Std Dev 16.88
2
1
0
−1
−2
pull1D
Entries 45
Mean 0.02577
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

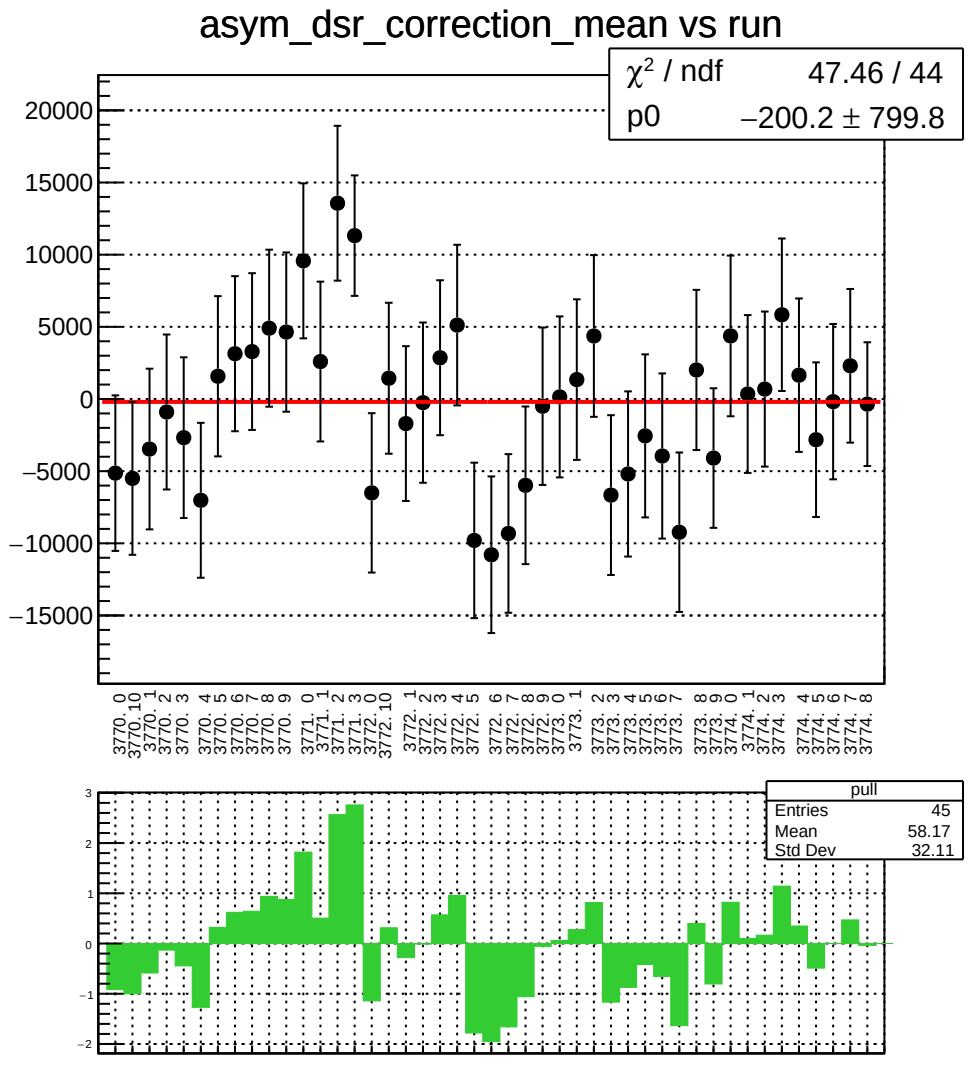

asym_dsl_correction_rms vs run
χ² / ndf 743.8 / 44
p0 806.8 ± 0.881
860
840
820
800
780
760
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

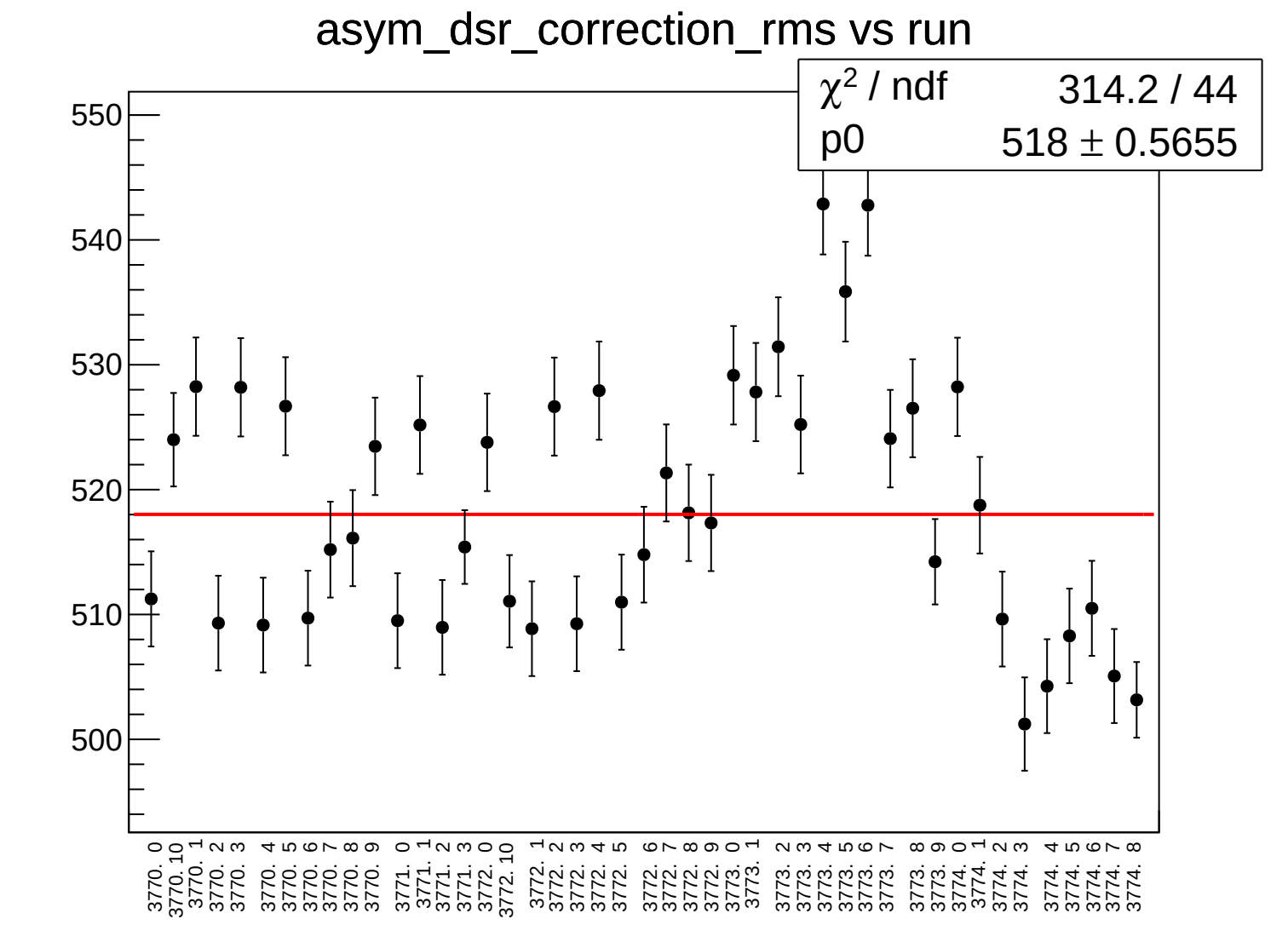

asym_dsl_mean vs run
χ² / ndf 51.13 / 44
p0 238.3 ± 1264
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 34.73
Std Dev 19.02
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.02499
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

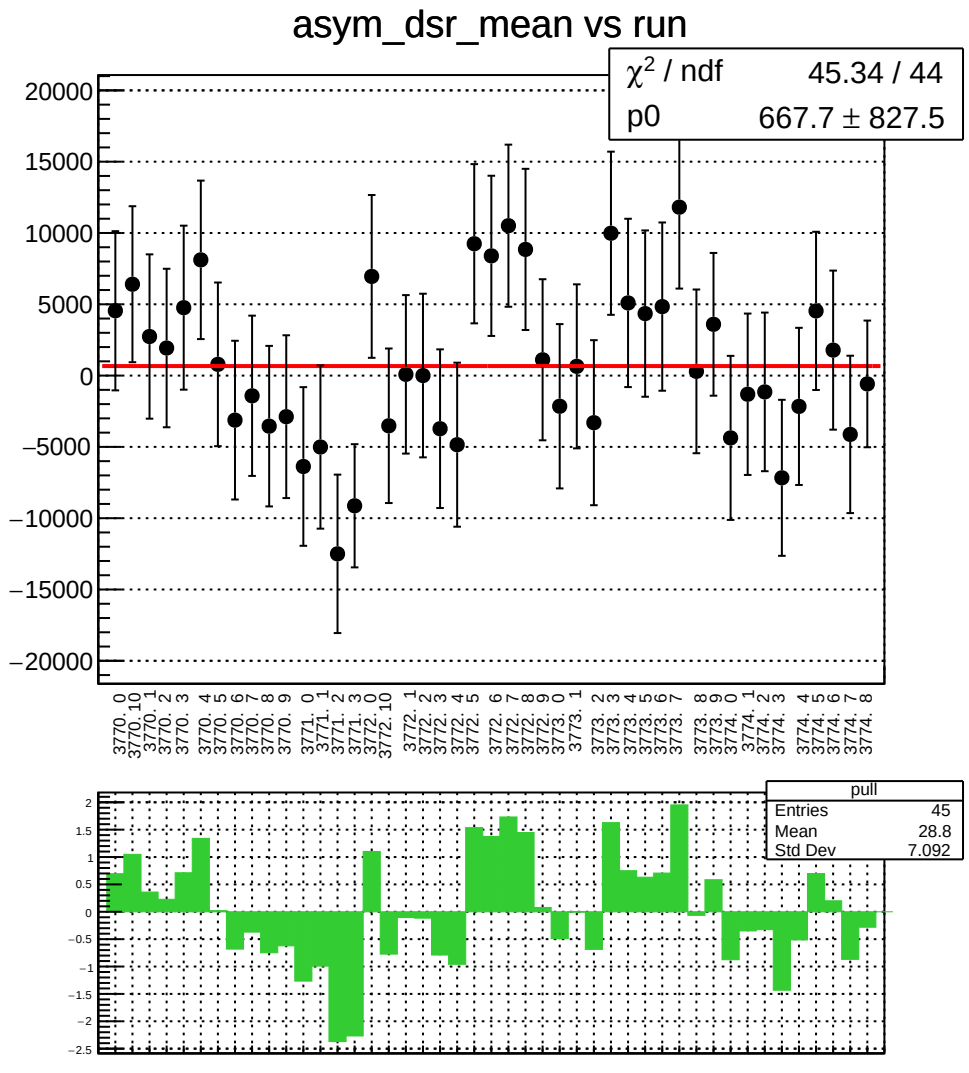

asym_dsl_rms vs run
χ² / ndf 695.1 / 44
p0 818.8 ± 0.8941
880
860
840
820
800
780
760
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

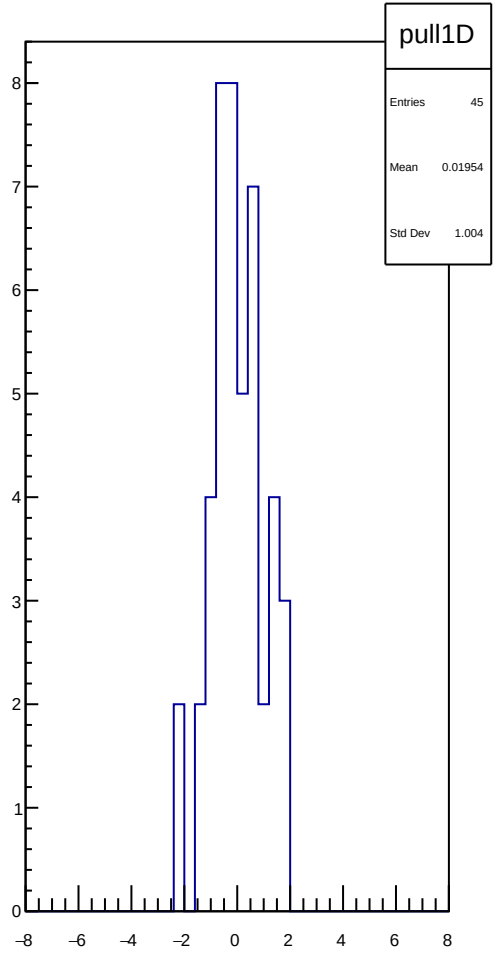

reg_asym_dsr_mean vs run
χ² / ndf 52.96 / 44
p0 481.8 ± 212.1
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1186
Std Dev 1161
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean −0.0018
Std Dev 1.085
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

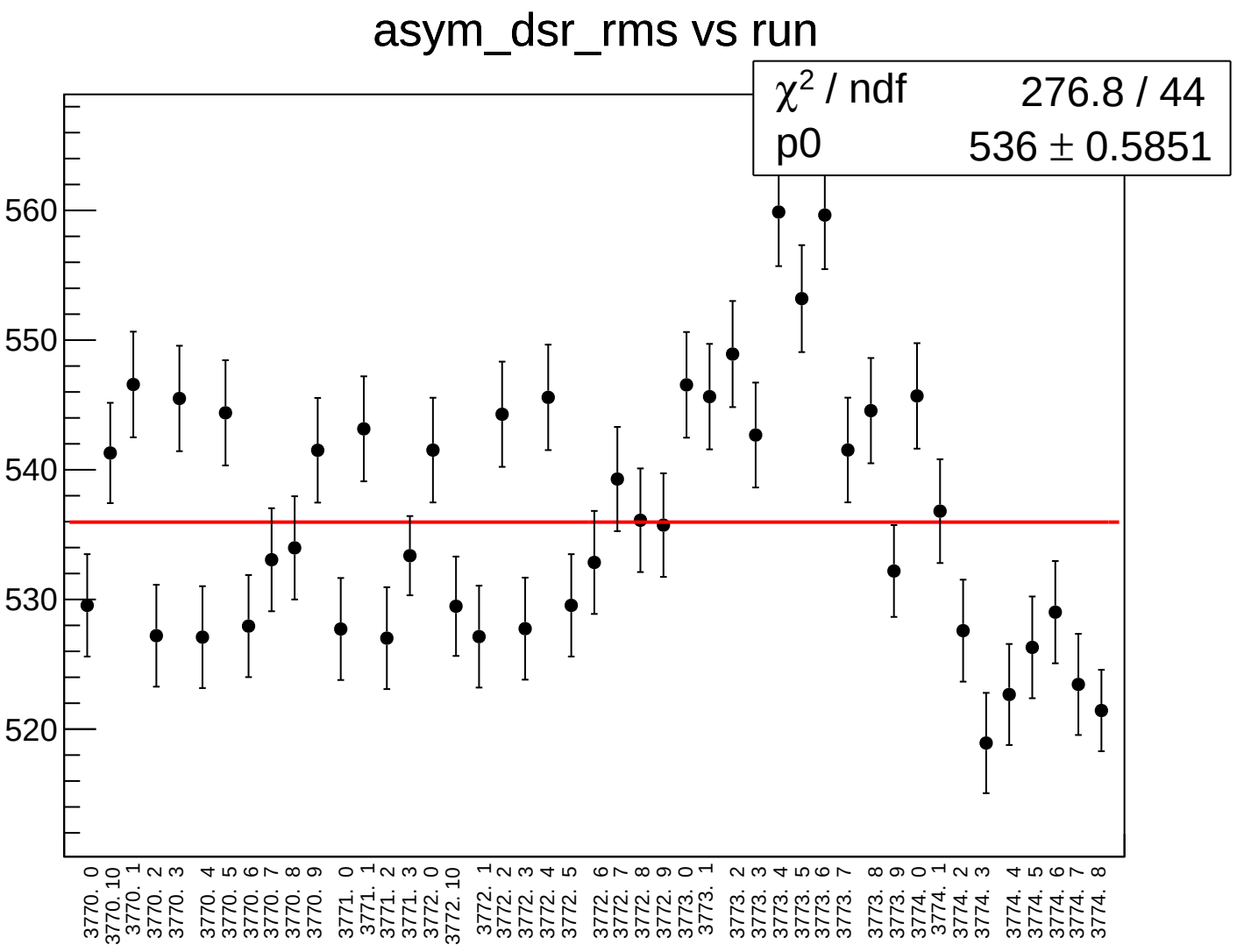

reg_asym_dsr_rms vs run
χ² / ndf 46.85 / 44
p0 137.4 ± 0.15
142
141
140
139
138
137
136
135
134
133
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

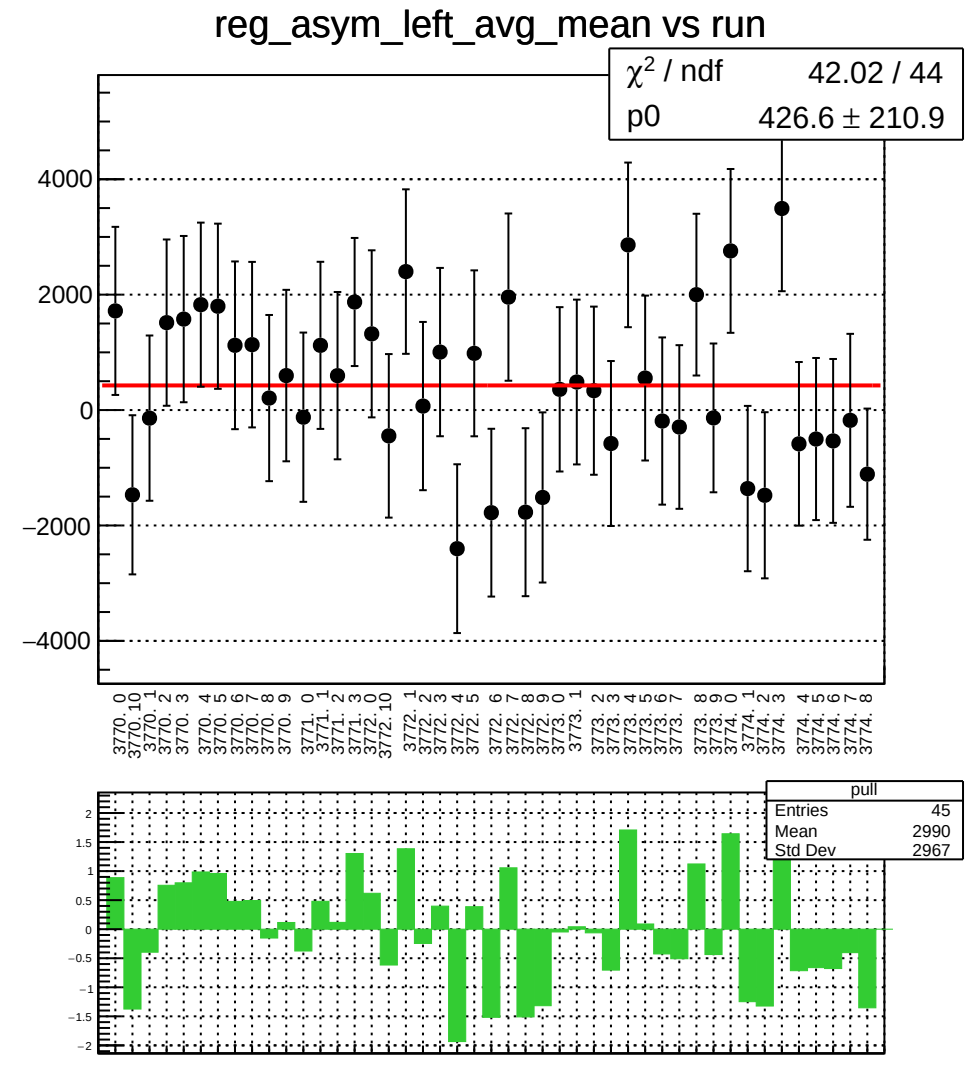

asym_dsr_correction_mean vs run
χ² / ndf 47.46 / 44
p0 −200.2 ± 799.8
20000
15000
10000
5000
0
−5000
−10000
−15000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 58.17
Std Dev 32.11
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.01934
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

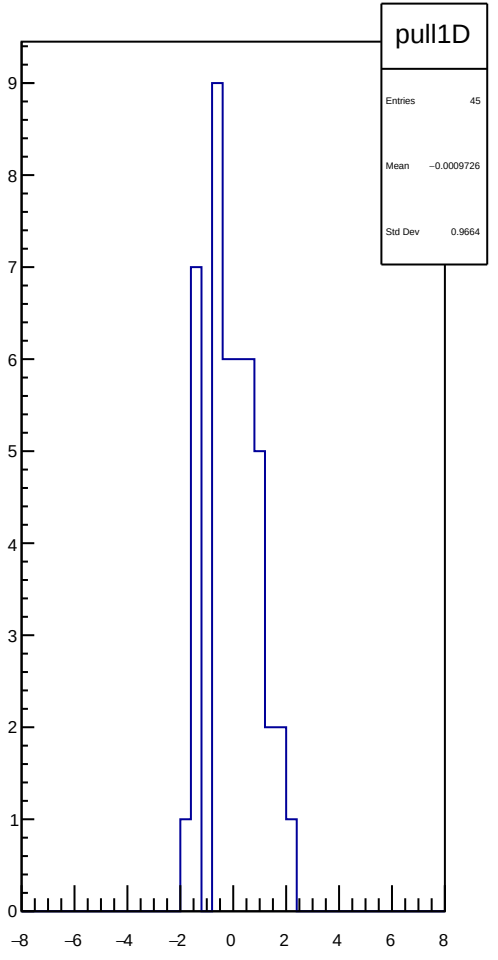

asym_dsr_correction_rms vs run
χ² / ndf 314.2 / 44
p0 518 ± 0.5655
550
540
530
520
510
500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

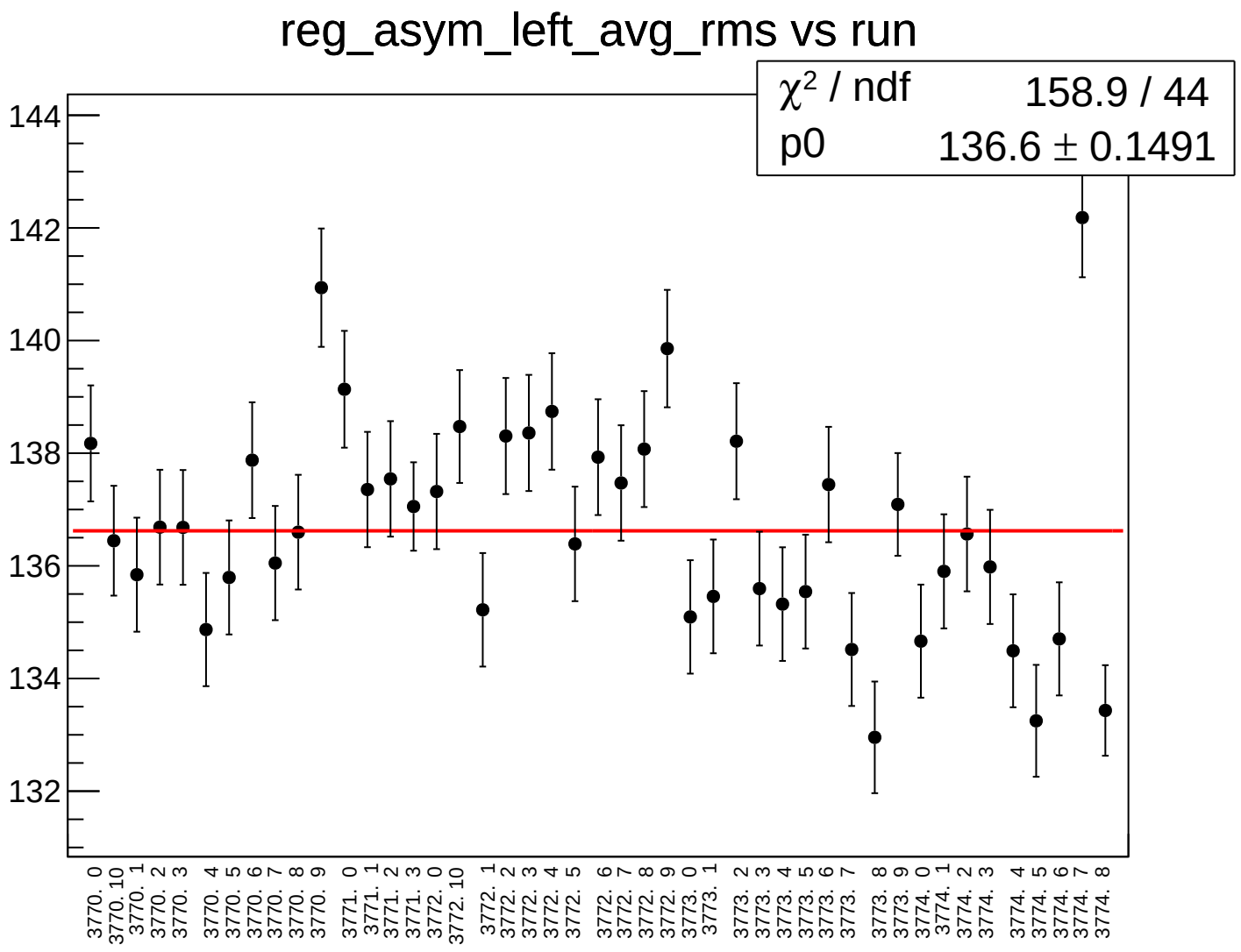

asym_dsr_mean vs run
χ² / ndf 45.34 / 44
p0 667.7 ± 827.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 28.8
Std Dev 7.092
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

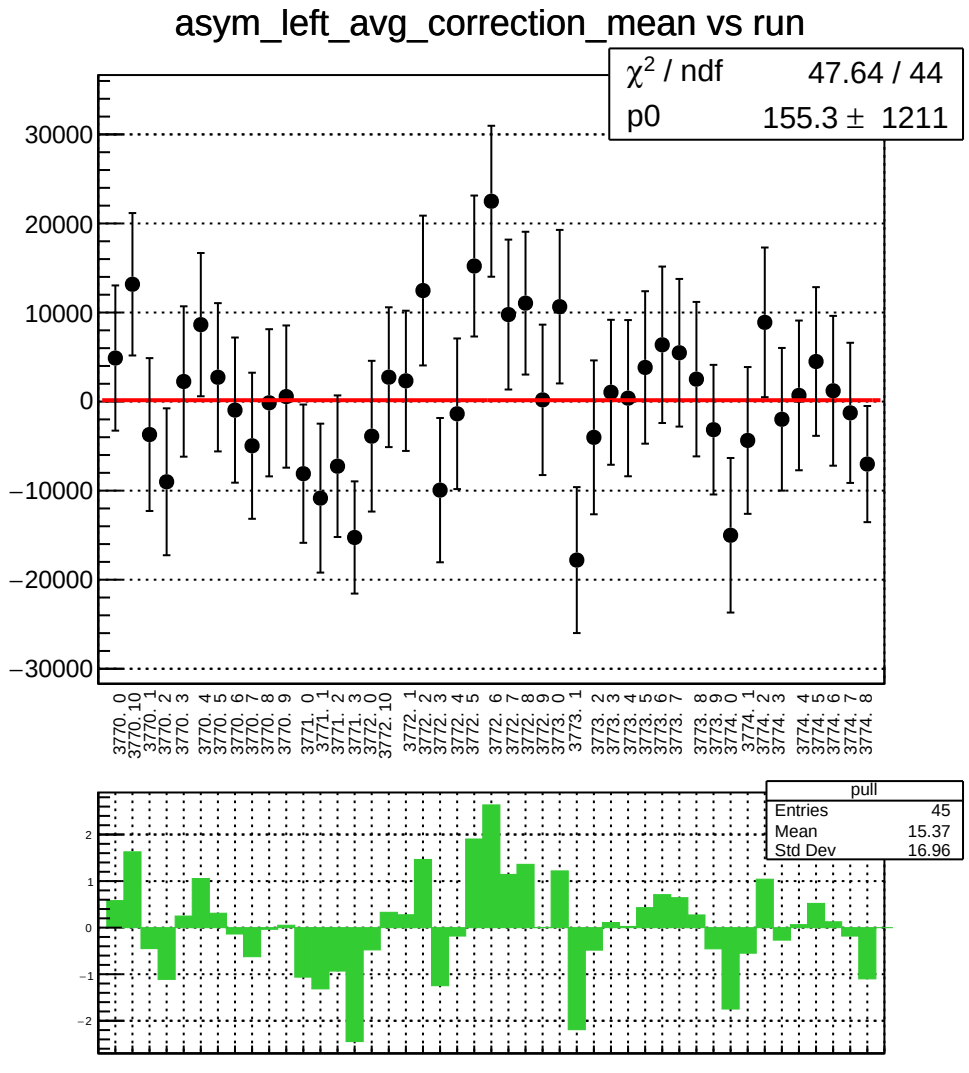

pull1D
Entries 45
Mean 0.01954
Std Dev 1.004
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

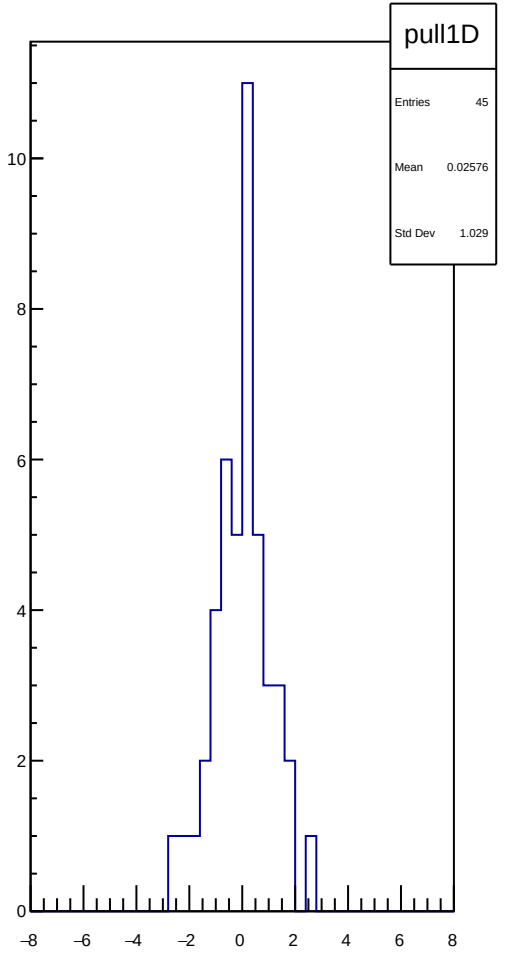

asym_dsr_rms vs run
χ² / ndf 276.8 / 44
p0 536 ± 0.5851
560
550
540
530
520
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

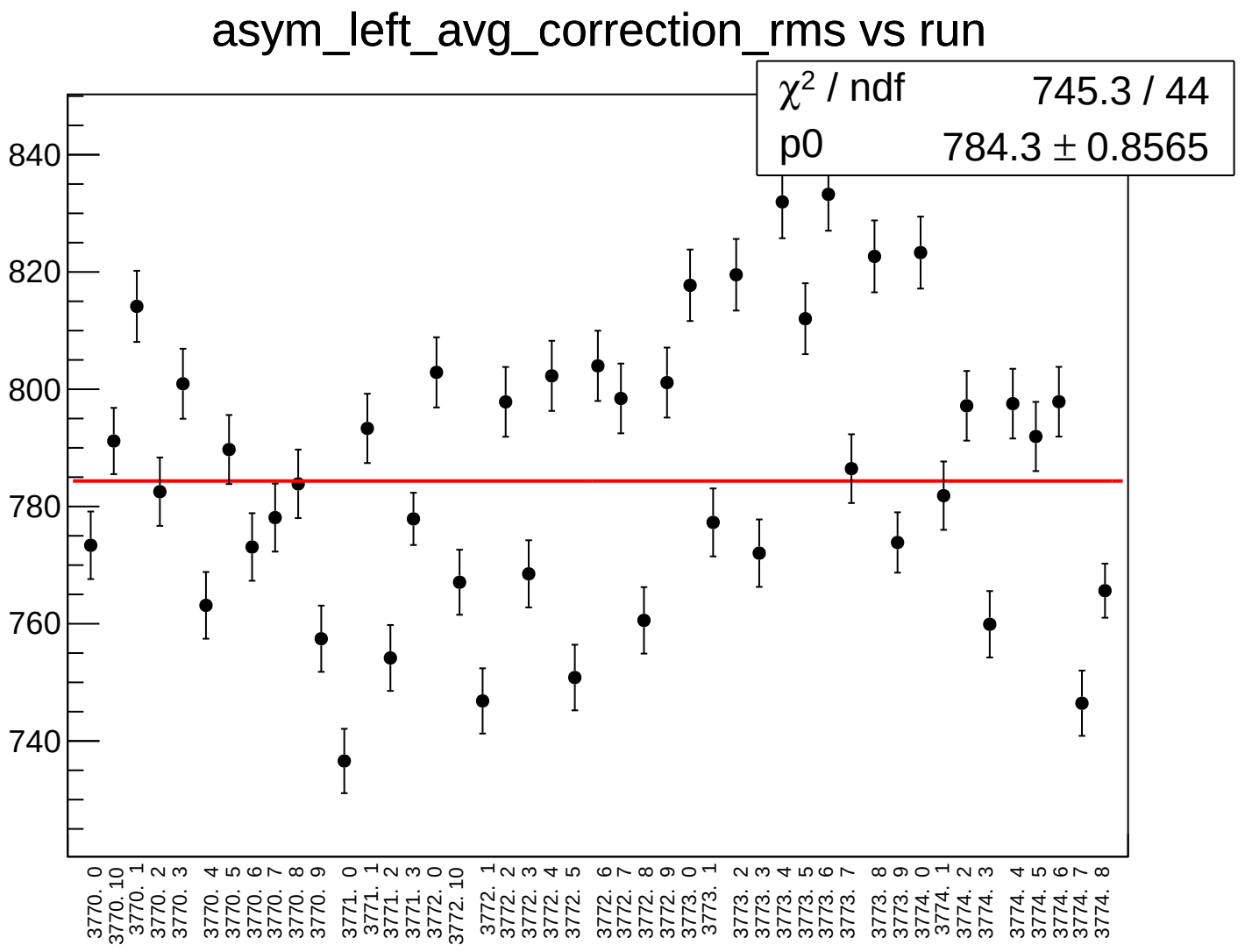

reg_asym_left_avg_mean vs run
χ² / ndf 42.02 / 44
p0 426.6 ± 210.9
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2990
Std Dev 2967
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

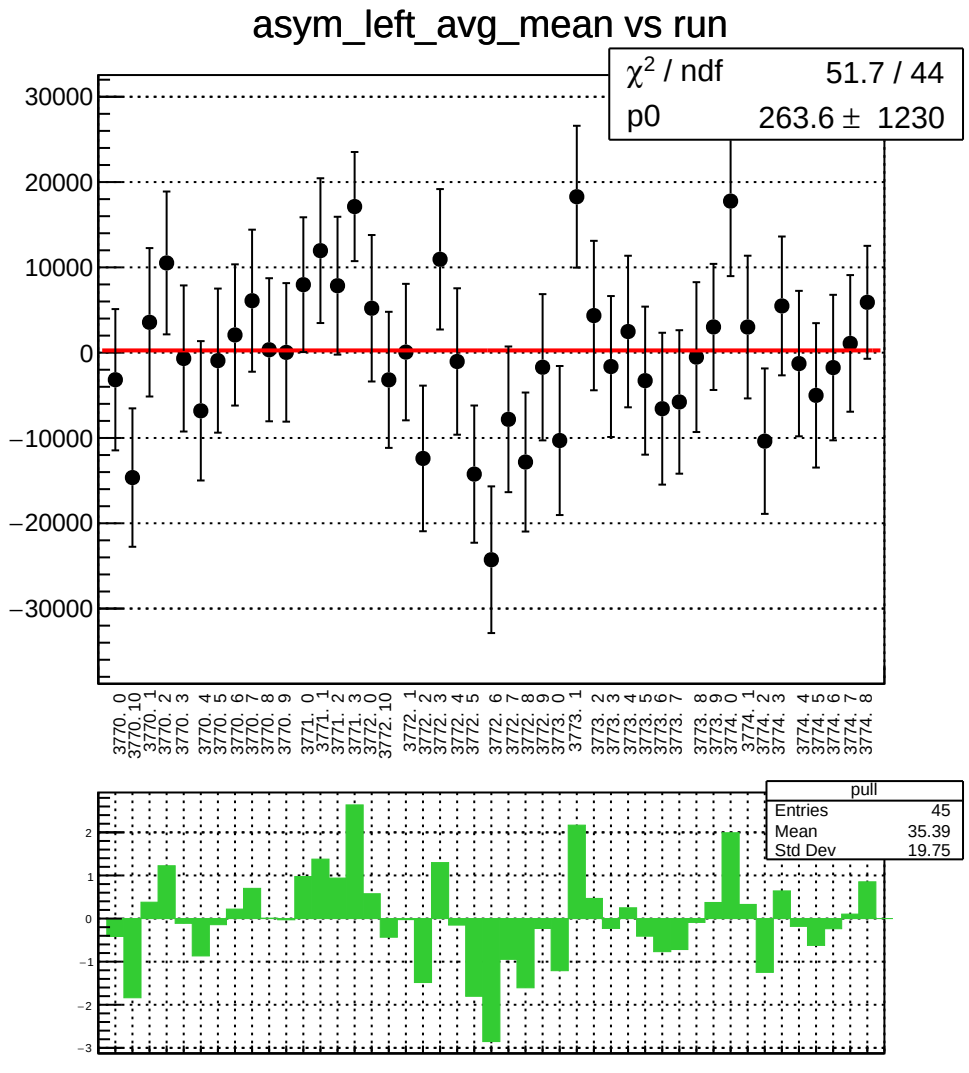

pull1D
Entries 45
Mean −0.0009726
Std Dev 0.9664
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

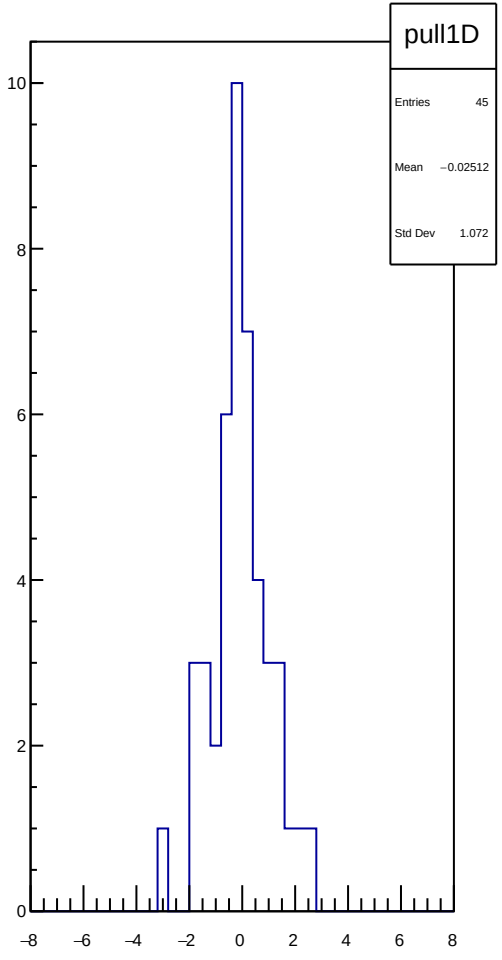

reg_asym_left_avg_rms vs run
χ² / ndf 158.9 / 44
p0 136.6 ± 0.1491
144
142
140
138
136
134
132
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

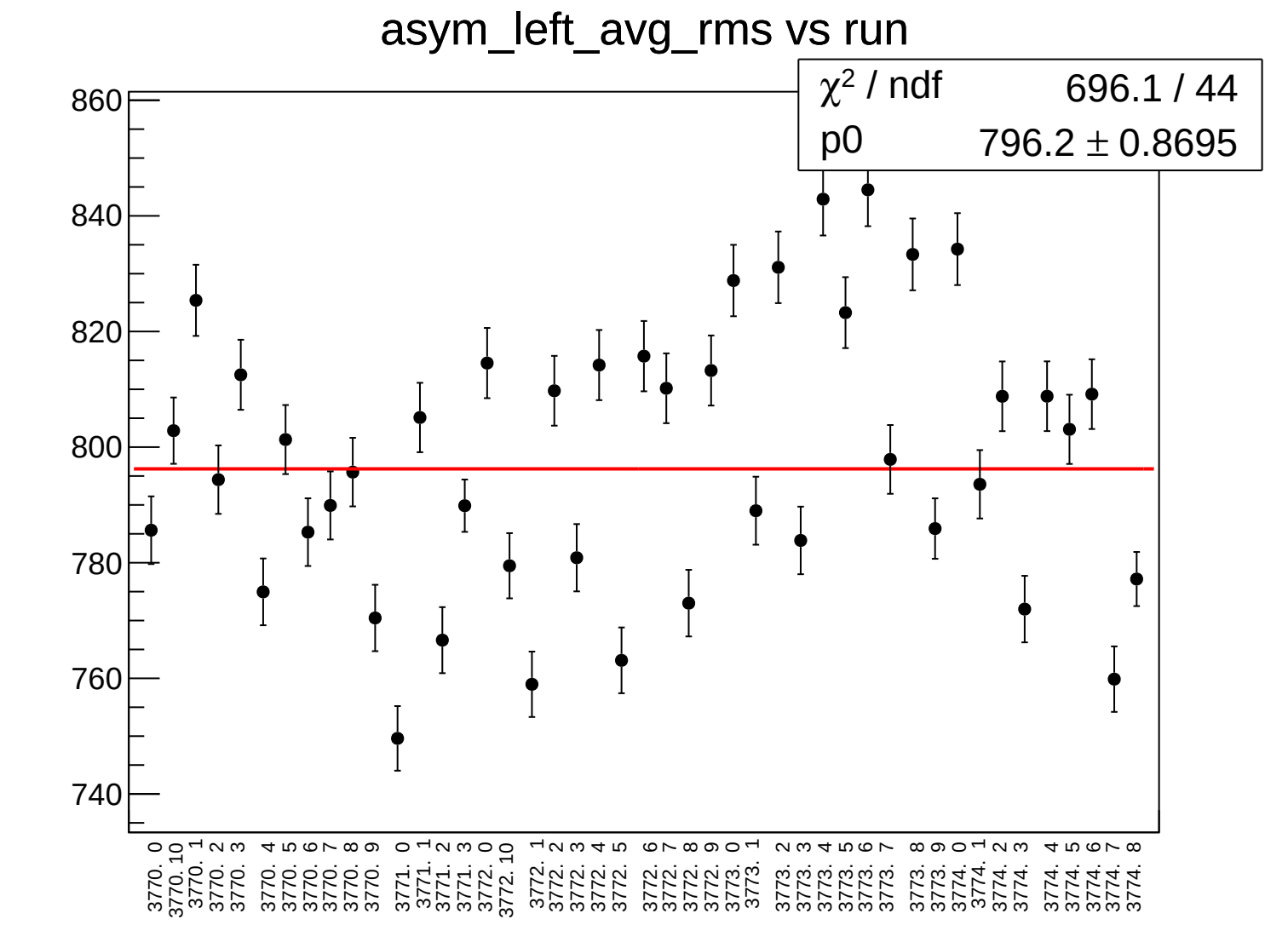

asym_left_avg_correction_mean vs run
χ² / ndf 47.64 / 44
p0 155.3 ± 1211
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 15.37
Std Dev 16.96
2
1
0
−1
−2

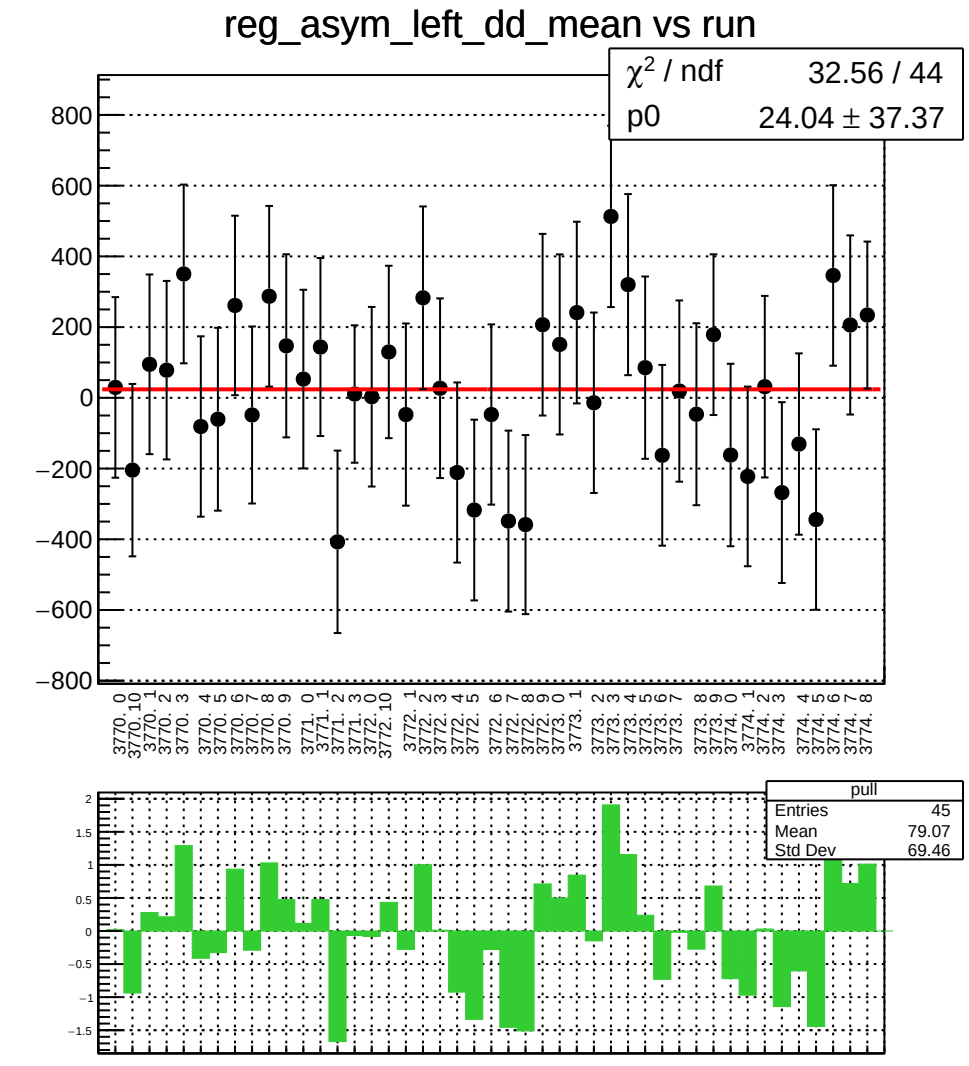

pull1D
Entries 45
Mean 0.02576
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

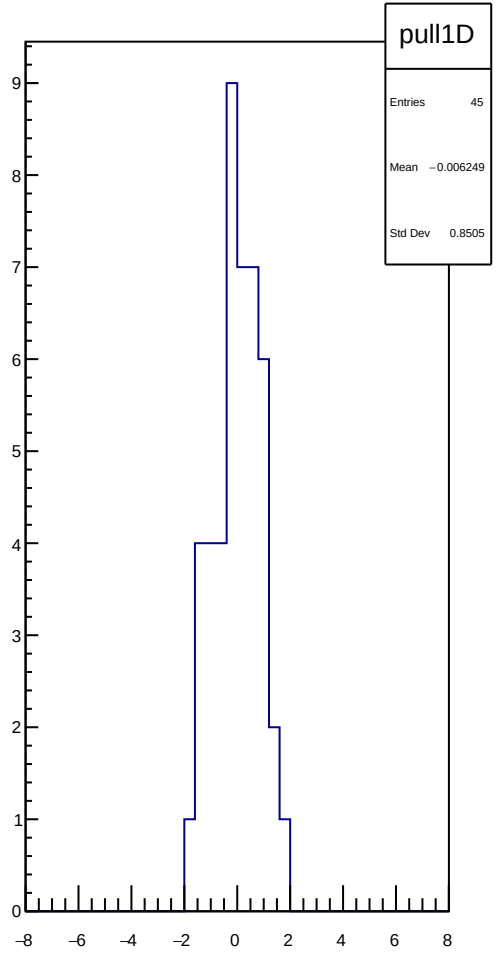

asym_left_avg_correction_rms vs run
χ² / ndf 745.3 / 44
p0 784.3 ± 0.8565
840
820
800
780
760
740
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

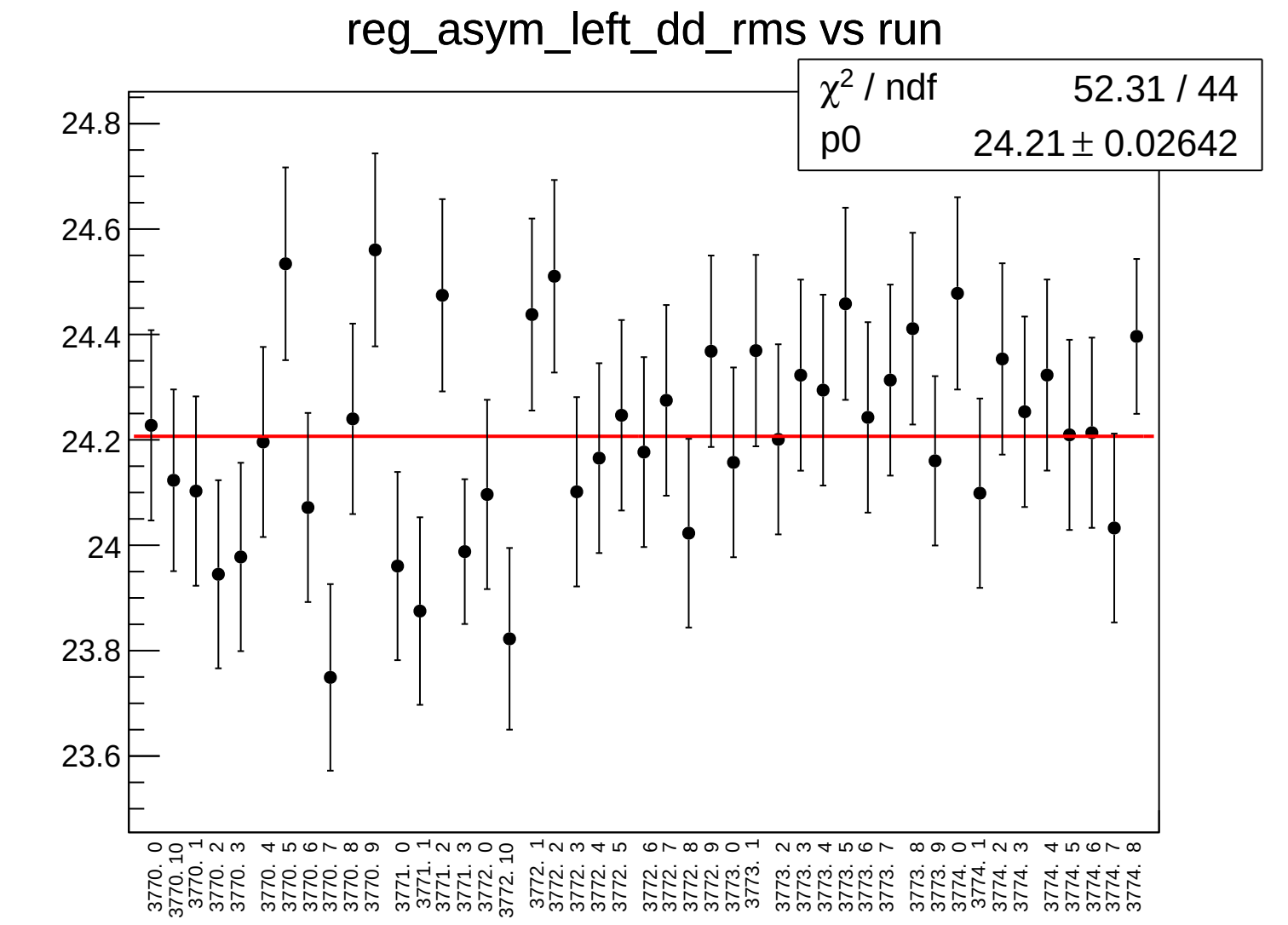

asym_left_avg_mean vs run
χ² / ndf 51.7 / 44
p0 263.6 ± 1230
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 35.39
Std Dev 19.75
2
1
0
−1
−2
−3

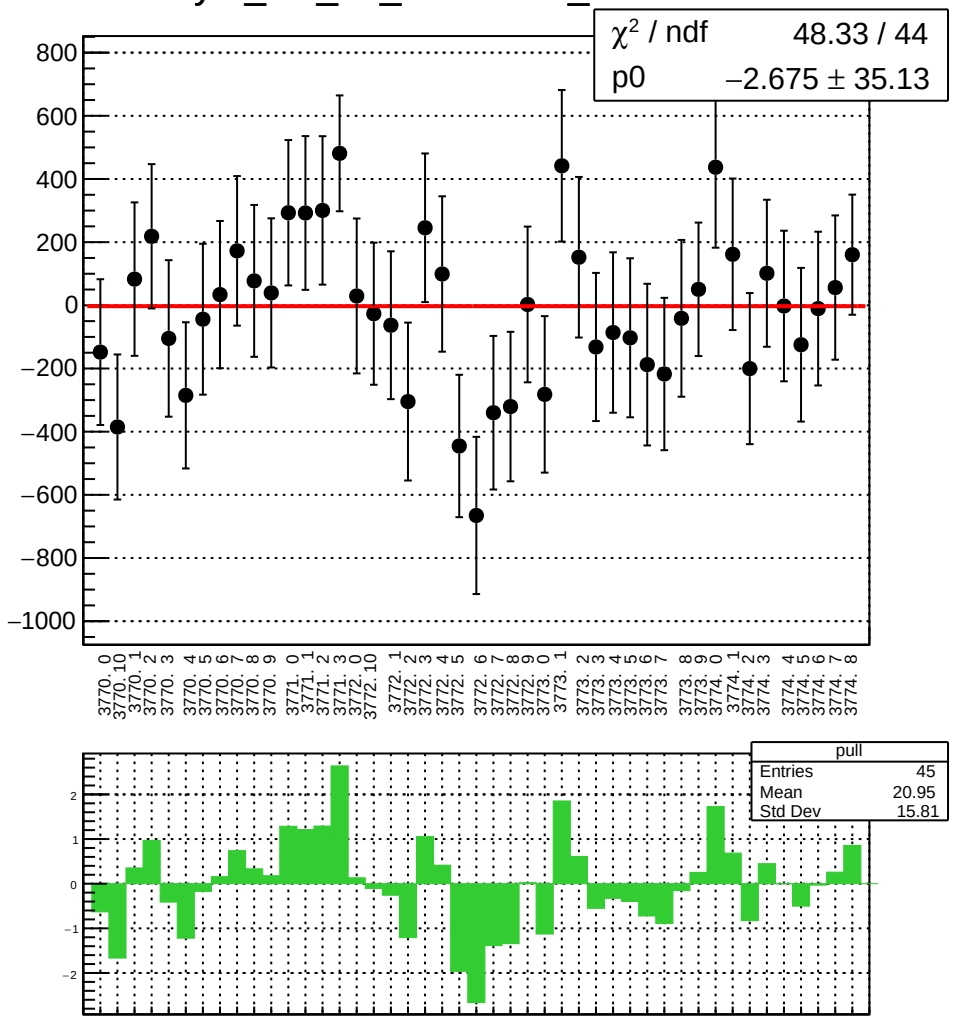

pull1D
Entries 45
Mean −0.02512
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

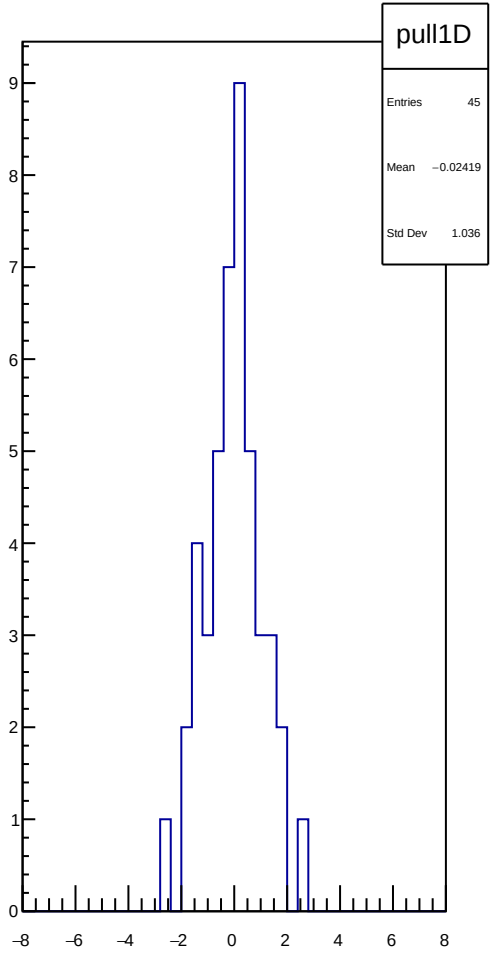

asym_left_avg_rms vs run
χ² / ndf 696.1 / 44
p0 796.2 ± 0.8695
860
840
820
800
780
760
740
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

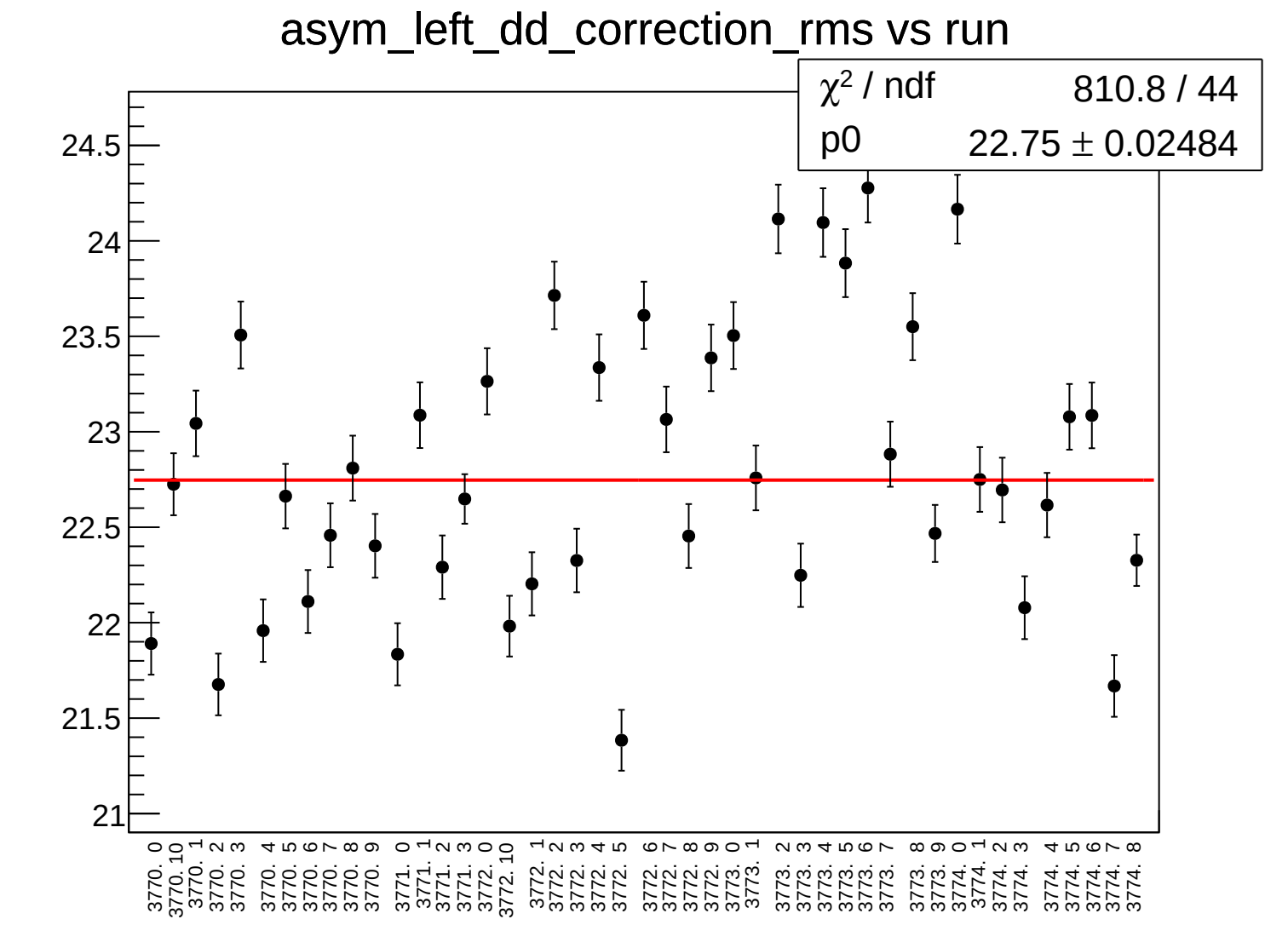

reg_asym_left_dd_mean vs run
χ² / ndf 32.56 / 44
p0 24.04 ± 37.37
pull
Entries 45
Mean 79.07
Std Dev 69.46

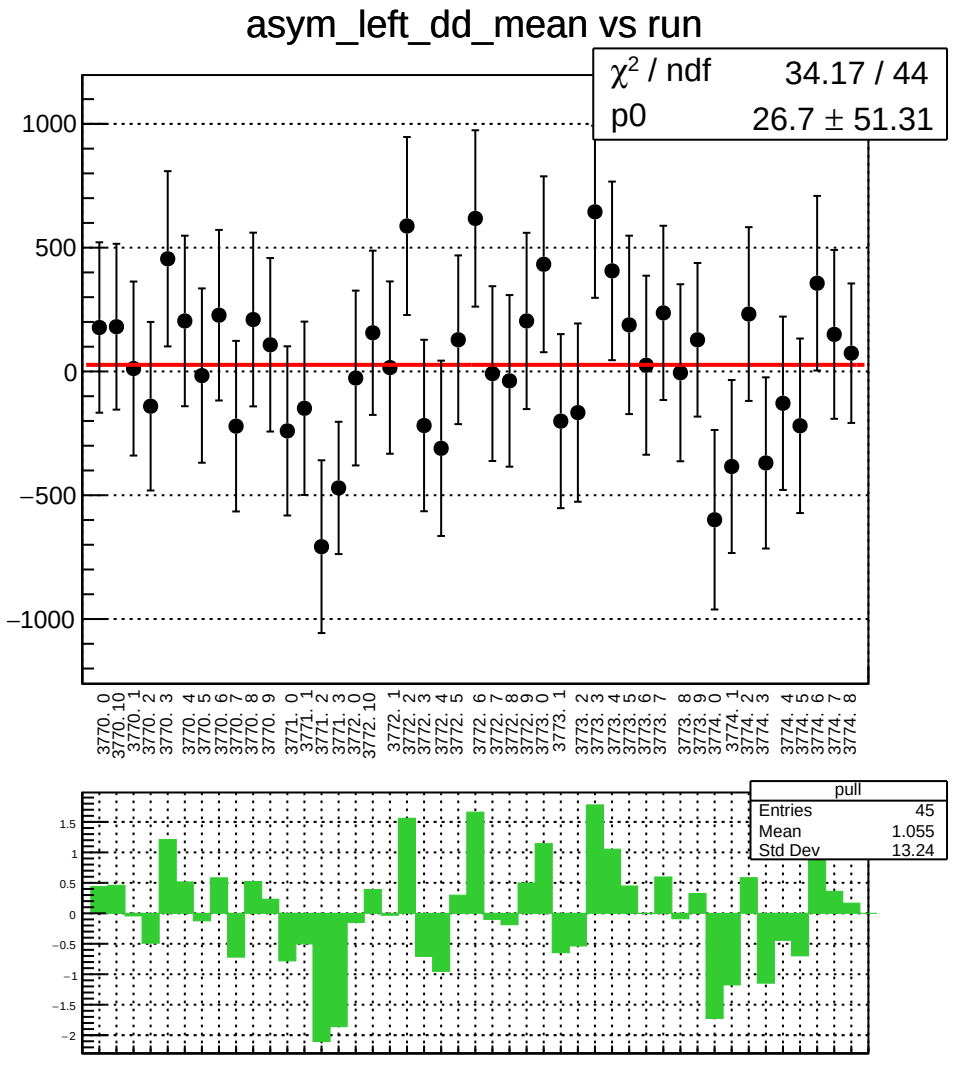

pull1D
Entries 45
Mean −0.006249
Std Dev 0.8505

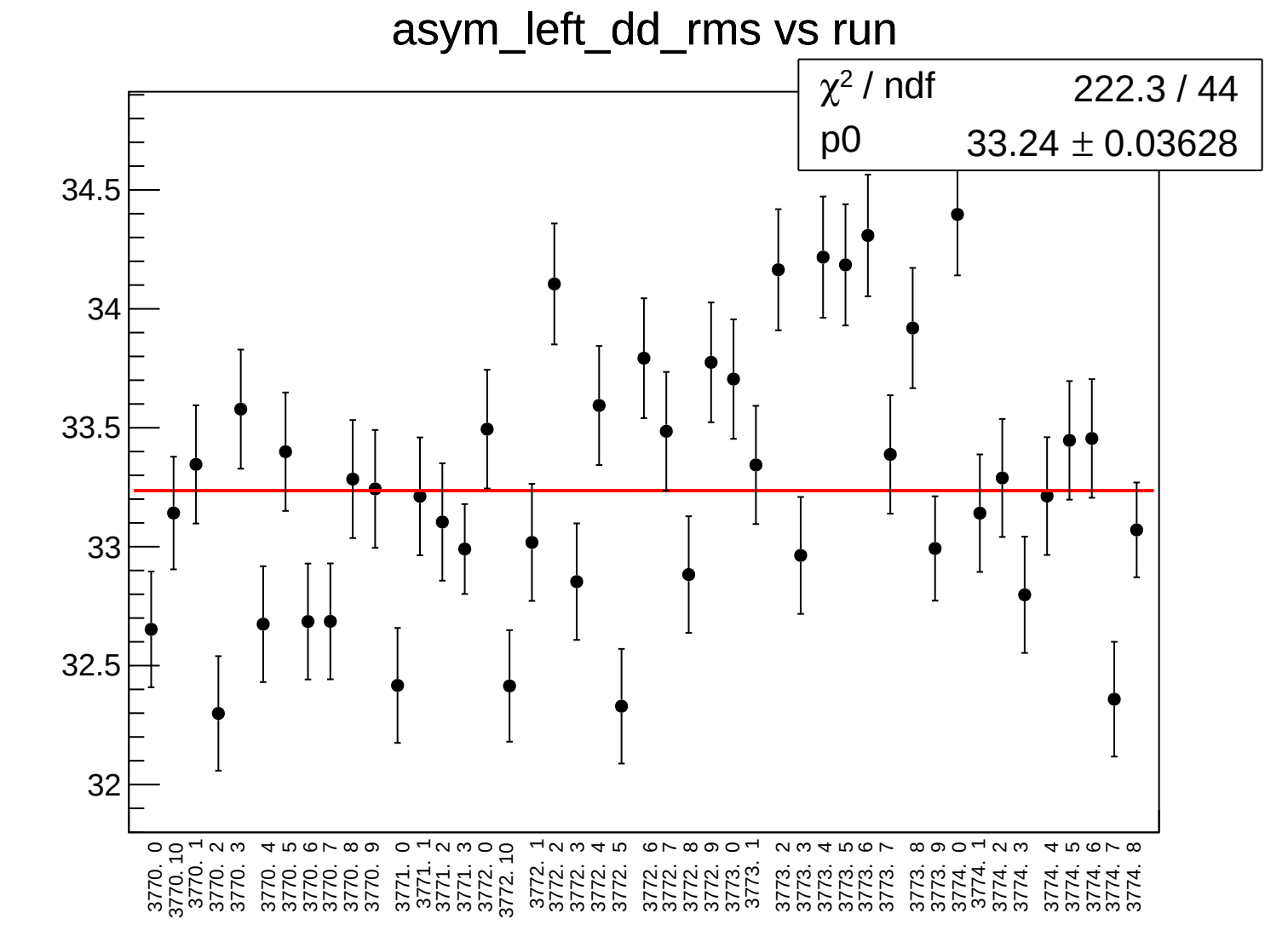

reg_asym_left_dd_rms vs run
χ^2 / ndf 52.31 / 44
p0 24.21 ± 0.02642
24.8
24.6
24.4
24.2
24
23.8
23.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

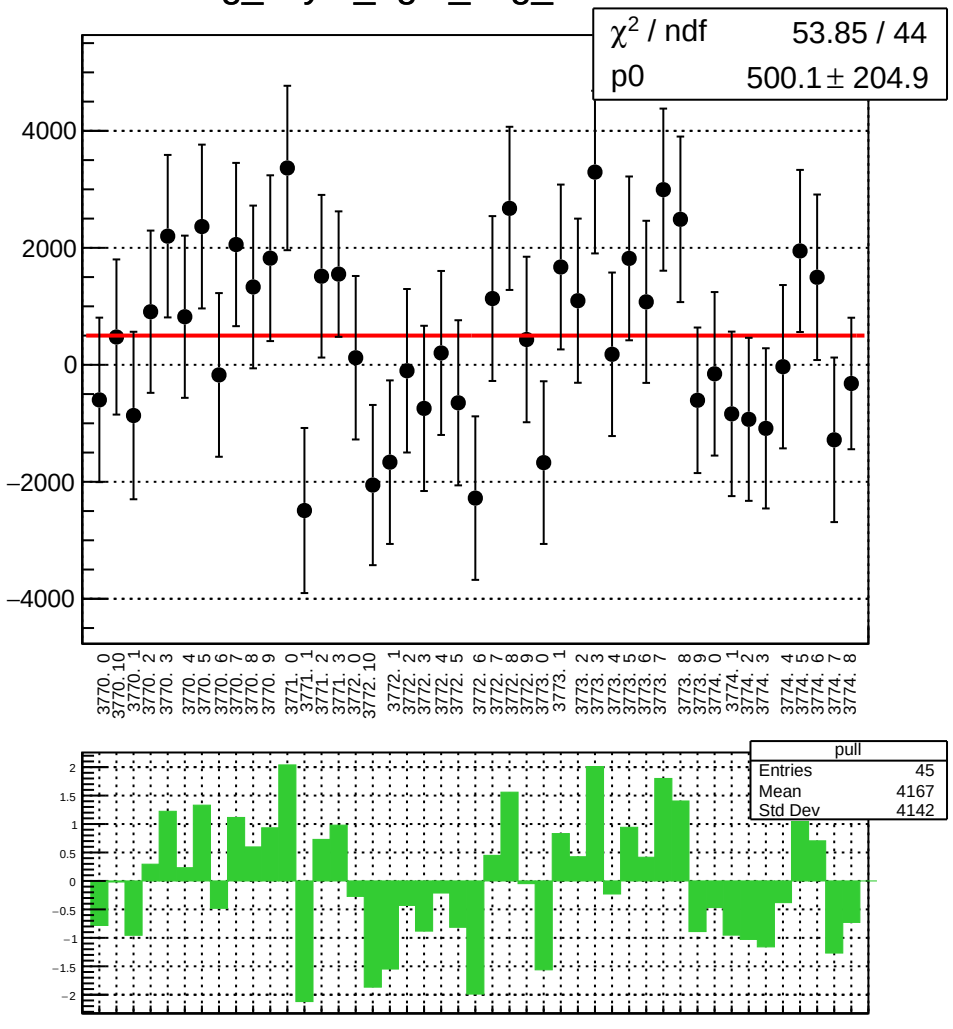

asym_left_dd_correction_mean vs run
χ² / ndf 48.33 / 44
p0 −2.675 ± 35.13
pull
Entries 45
Mean 20.95
Std Dev 15.81

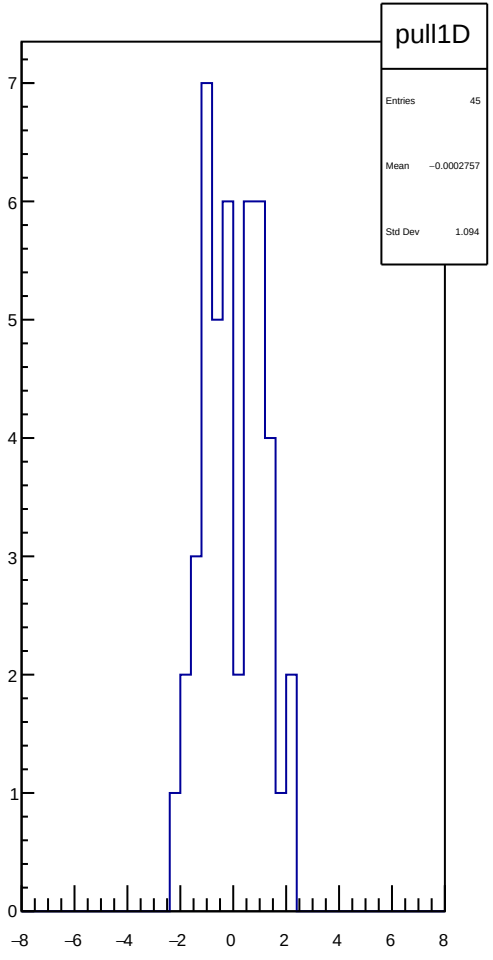

pull1D
Entries 45
Mean −0.02419
Std Dev 1.036

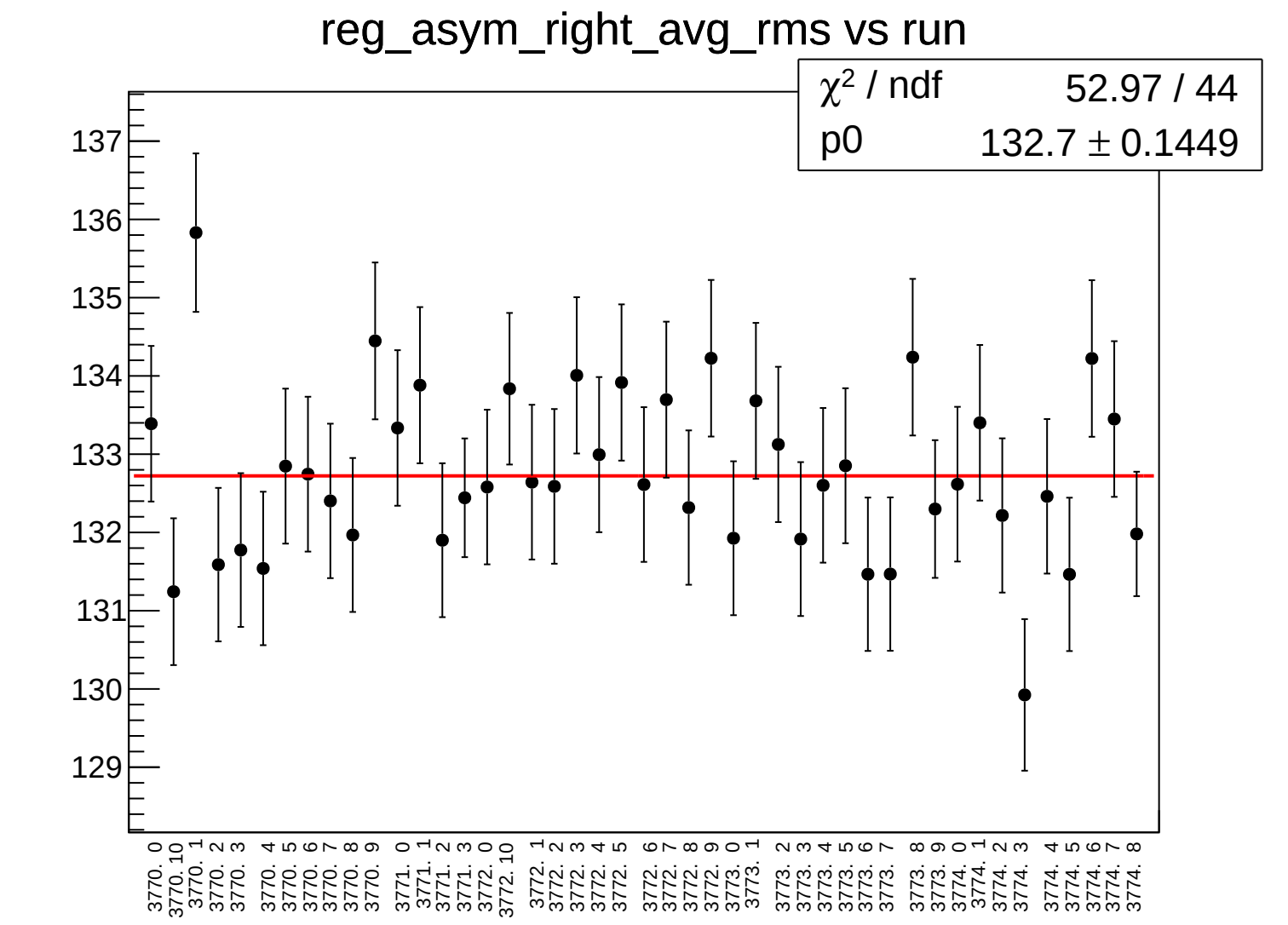

asym_left_dd_correction_rms vs run
χ² / ndf 810.8 / 44
p0 22.75 ± 0.02484
24.5
24
23.5
23
22.5
22
21.5
21
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

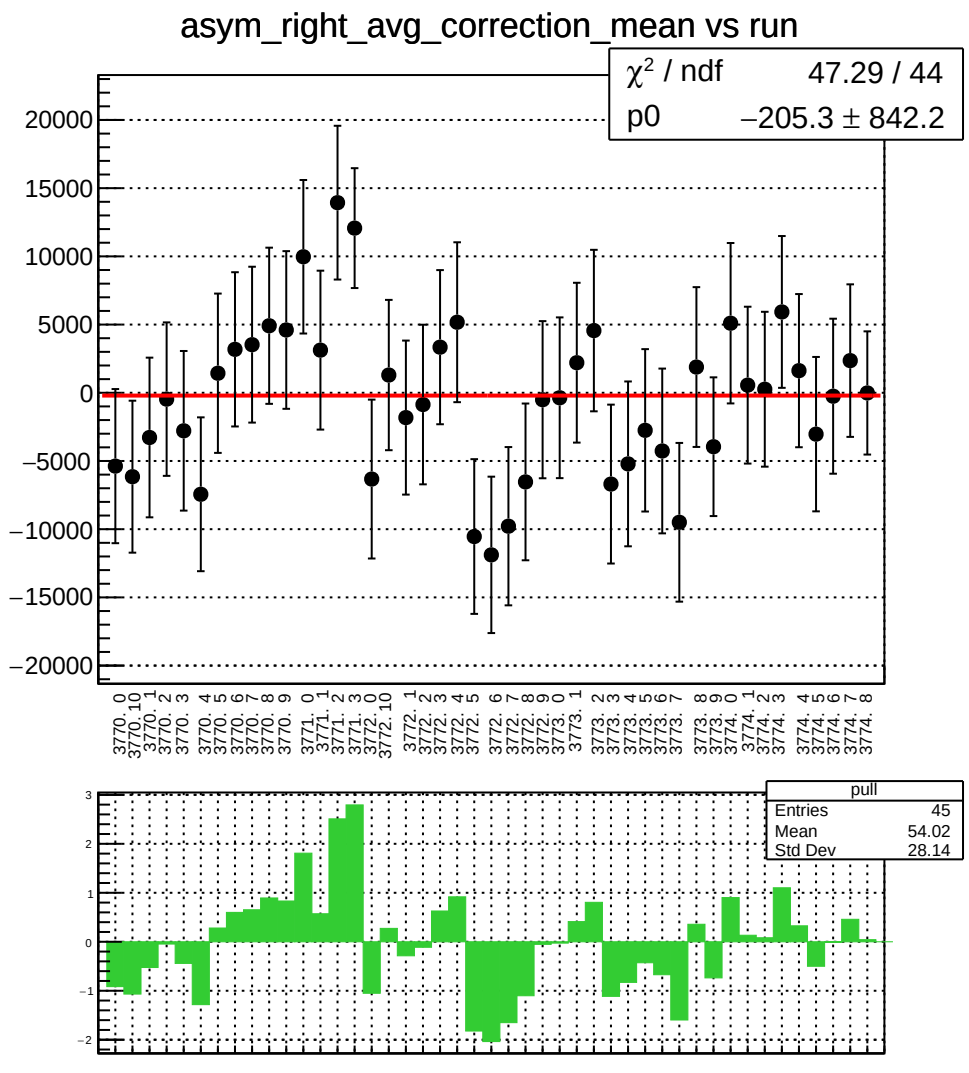

asym_left_dd_mean vs run
χ² / ndf 34.17 / 44
p0 26.7 ± 51.31
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1.055
Std Dev 13.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01201
Std Dev 0.8713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

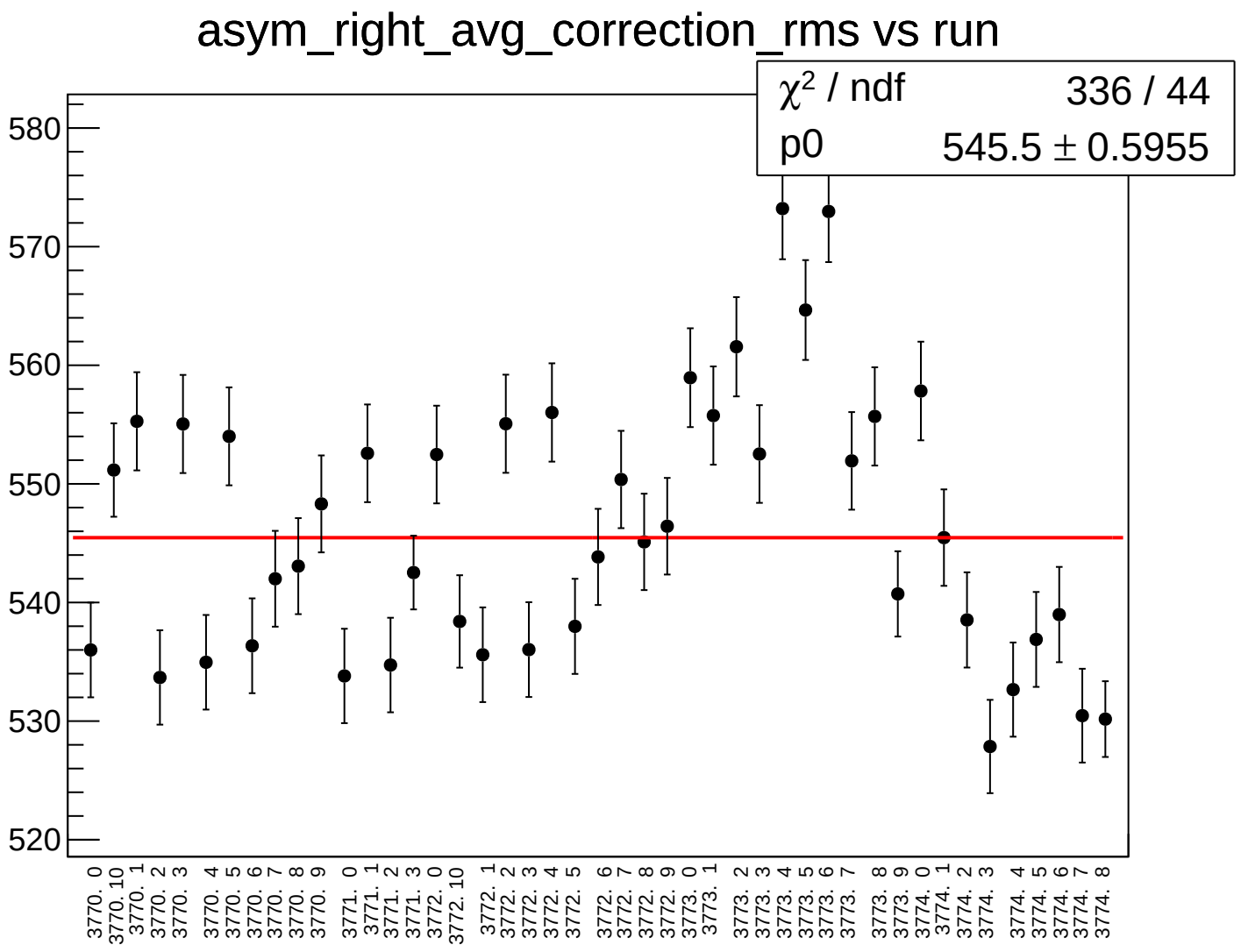

asym_left_dd_rms vs run
χ² / ndf 222.3 / 44
p0 33.24 ± 0.03628
34.5
34
33.5
33
32.5
32
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

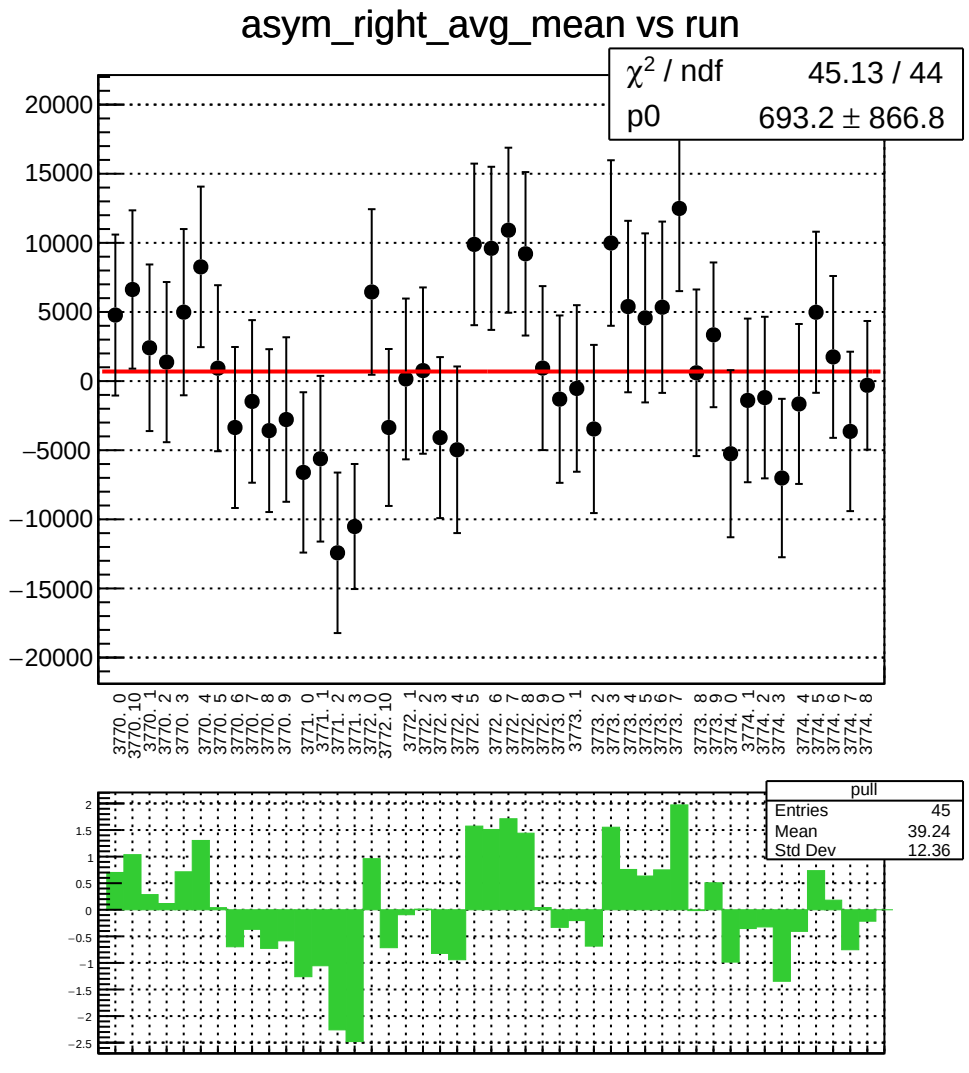

reg_asym_right_avg_mean vs run
χ² / ndf 53.85 / 44
p0 500.1 ± 204.9
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 4167
Std Dev 4142
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

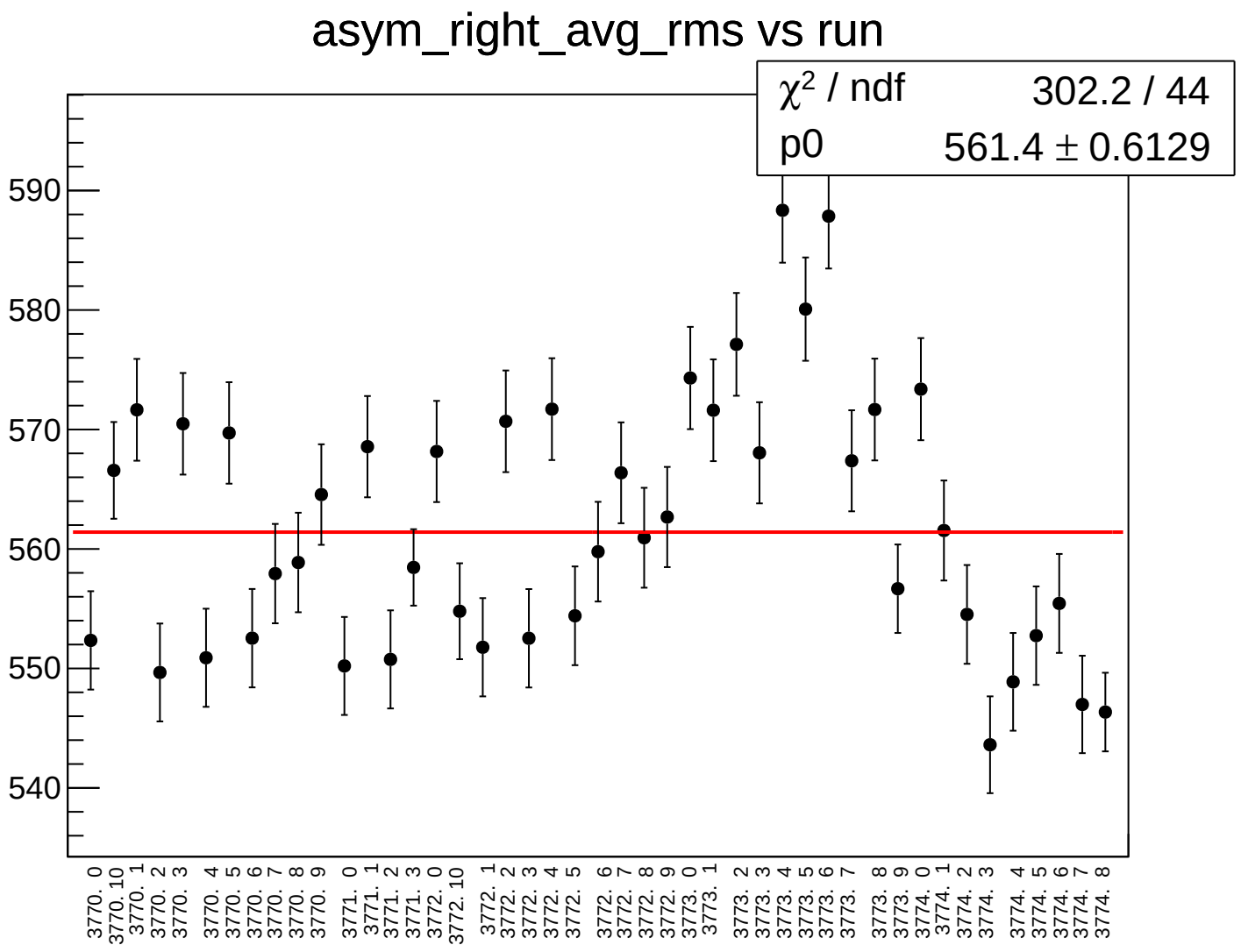

pull1D
Entries 45
Mean −0.0002757
Std Dev 1.094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

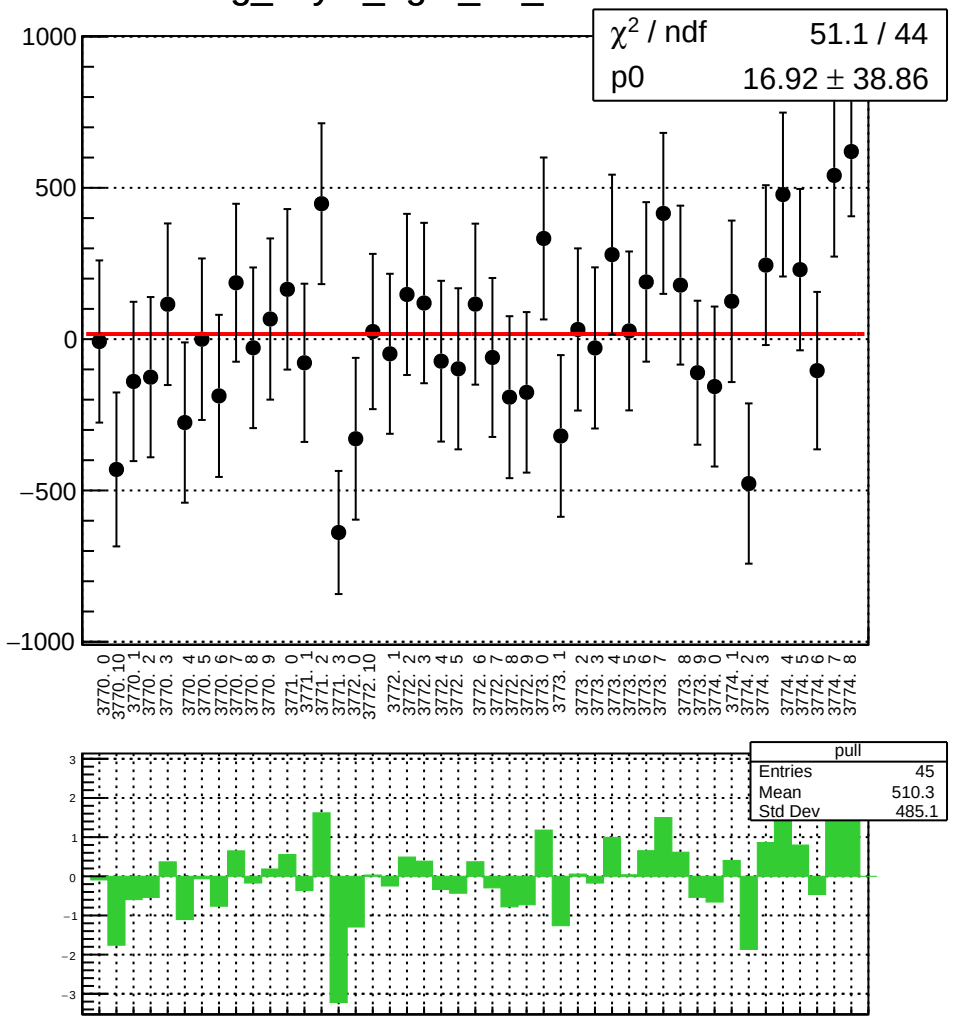

reg_asym_right_avg_rms vs run
χ² / ndf 52.97 / 44
p0 132.7 ± 0.1449
137
136
135
134
133
132
131
130
129
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

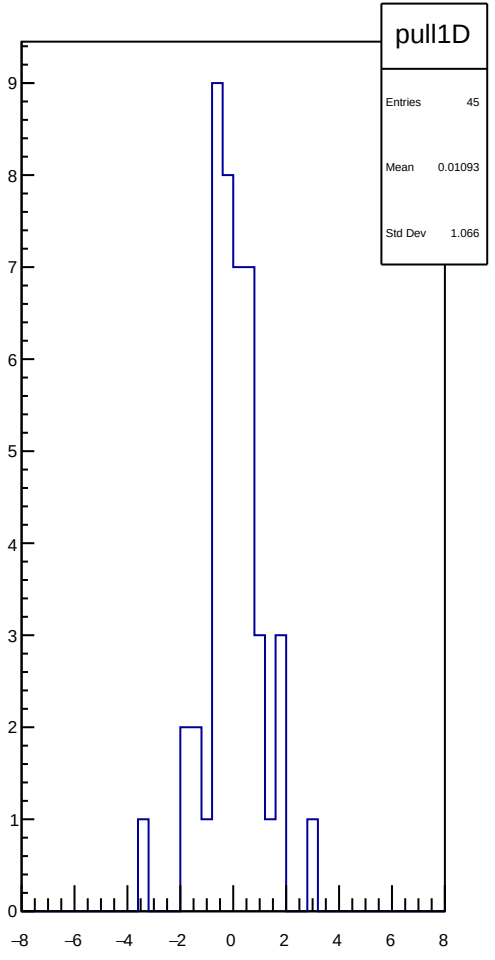

asym_right_avg_correction_mean vs run
χ² / ndf 47.29 / 44
p0 −205.3 ± 842.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 54.02
Std Dev 28.14
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.02048
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

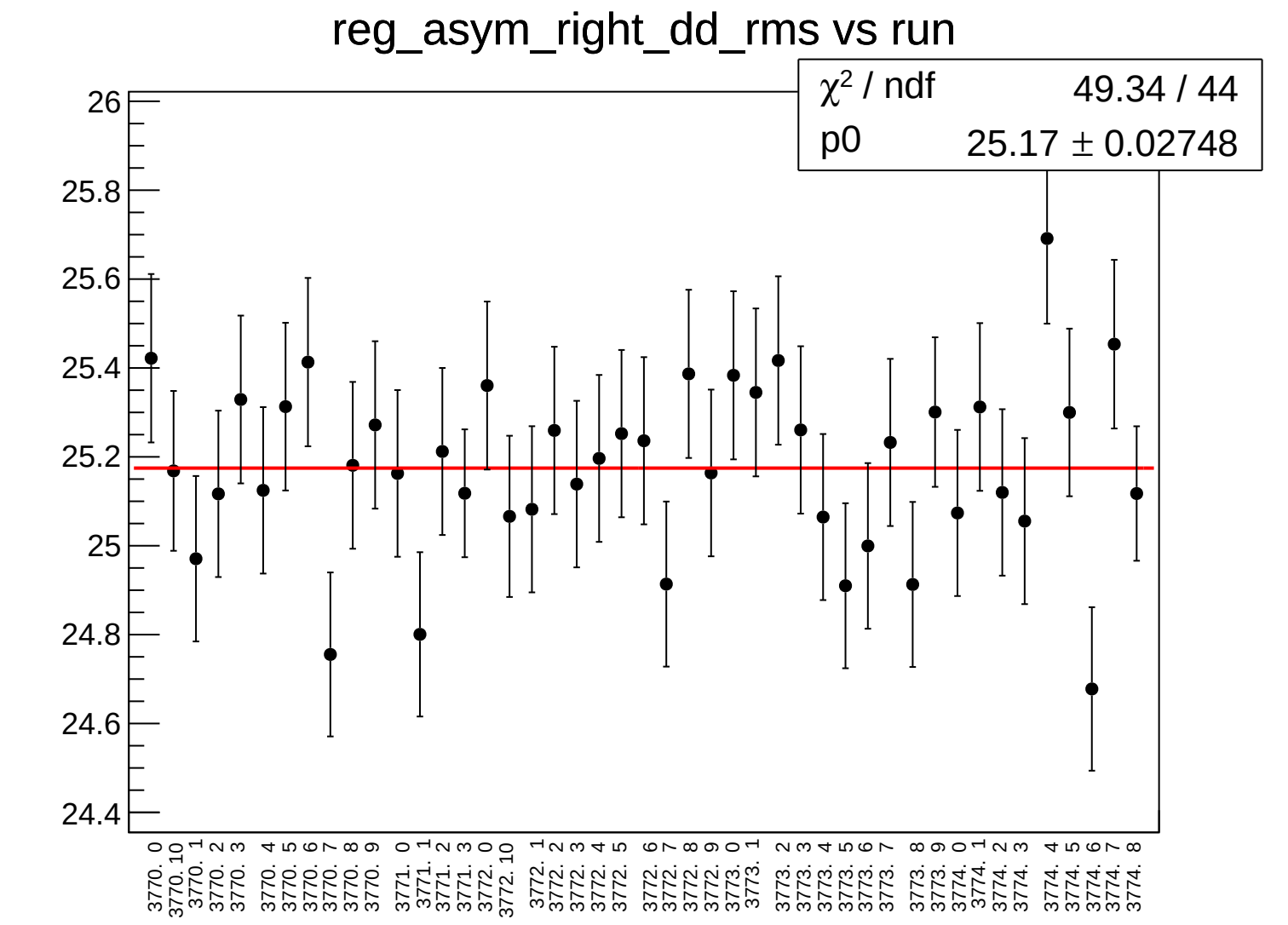

asym_right_avg_correction_rms vs run
χ² / ndf 336 / 44
p0 545.5 ± 0.5955
580
570
560
550
540
530
520
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

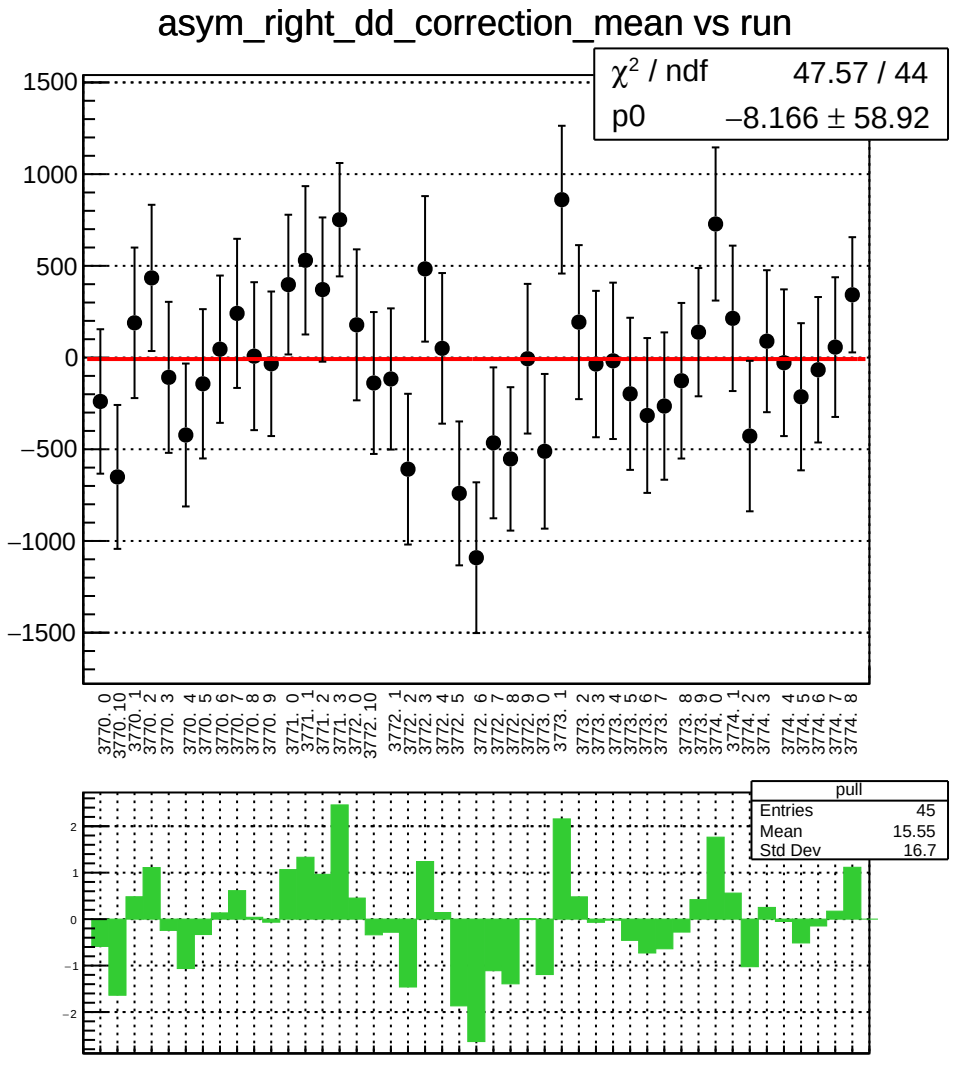

asym_right_avg_mean vs run
χ² / ndf 45.13 / 44
p0 693.2 ± 866.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 39.24
Std Dev 12.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 45
Mean 0.02089
Std Dev 1.001
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

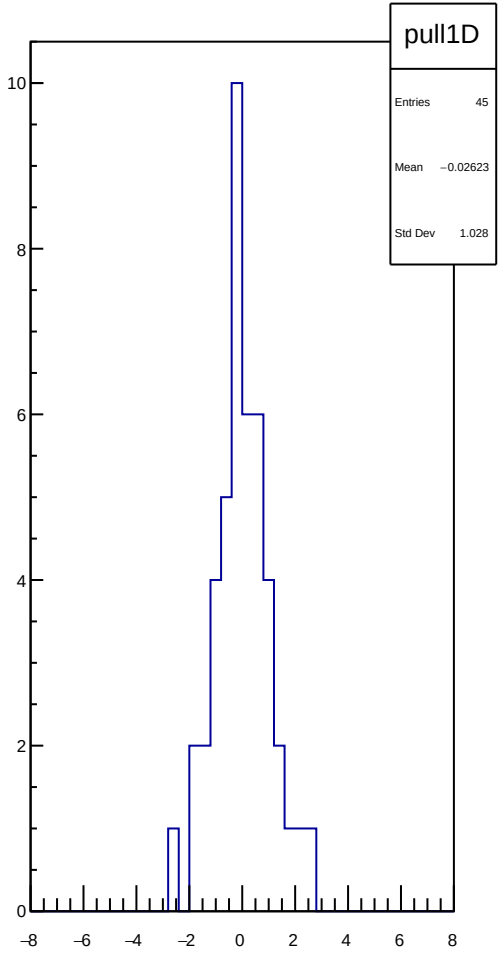

asym_right_avg_rms vs run
χ² / ndf 302.2 / 44
p0 561.4 ± 0.6129
590
580
570
560
550
540
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

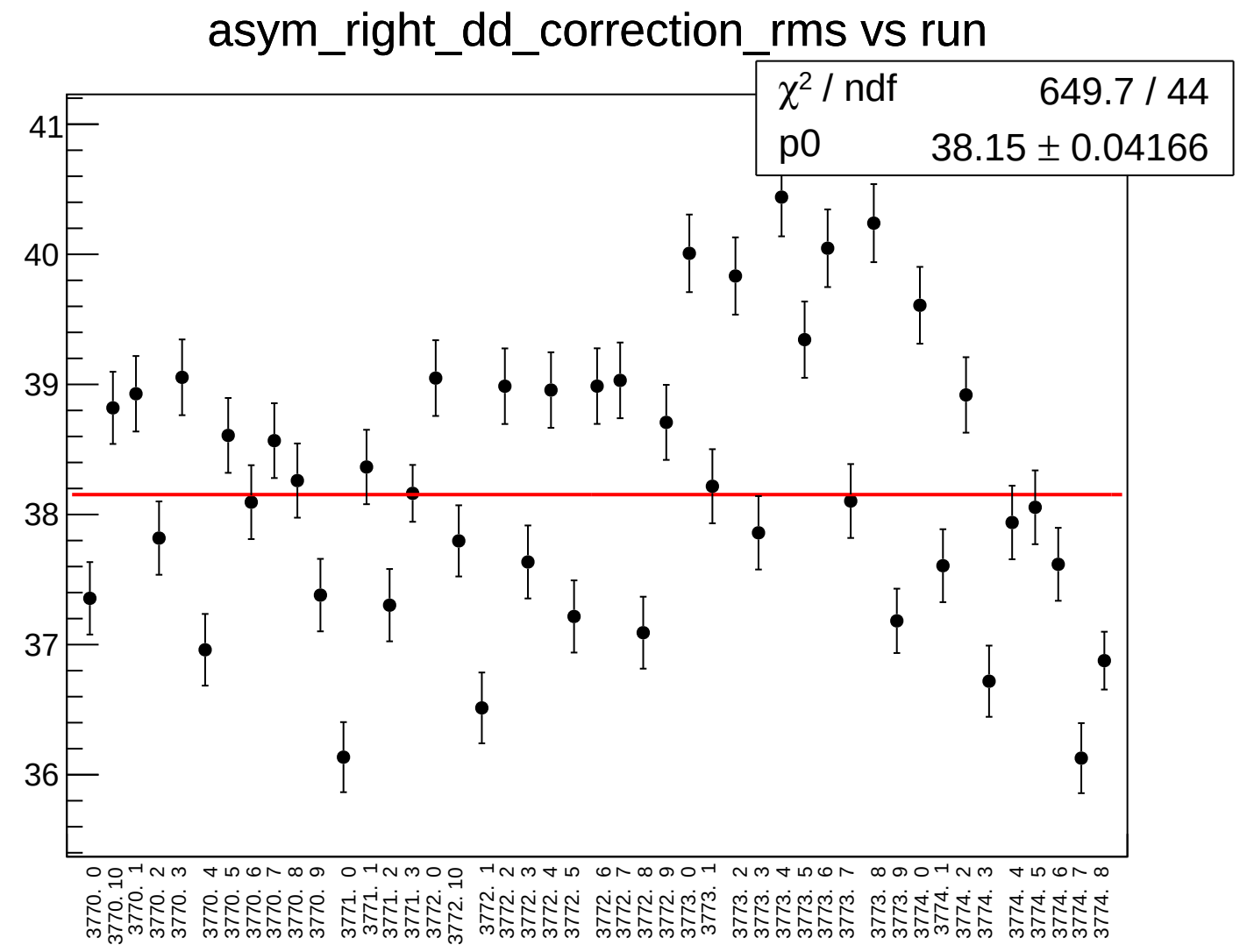

reg_asym_right_dd_mean vs run
χ² / ndf 51.1 / 44
p0 16.92 ± 38.86
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 510.3
Std Dev 485.1
3
2
1
0
−1
−2
−3

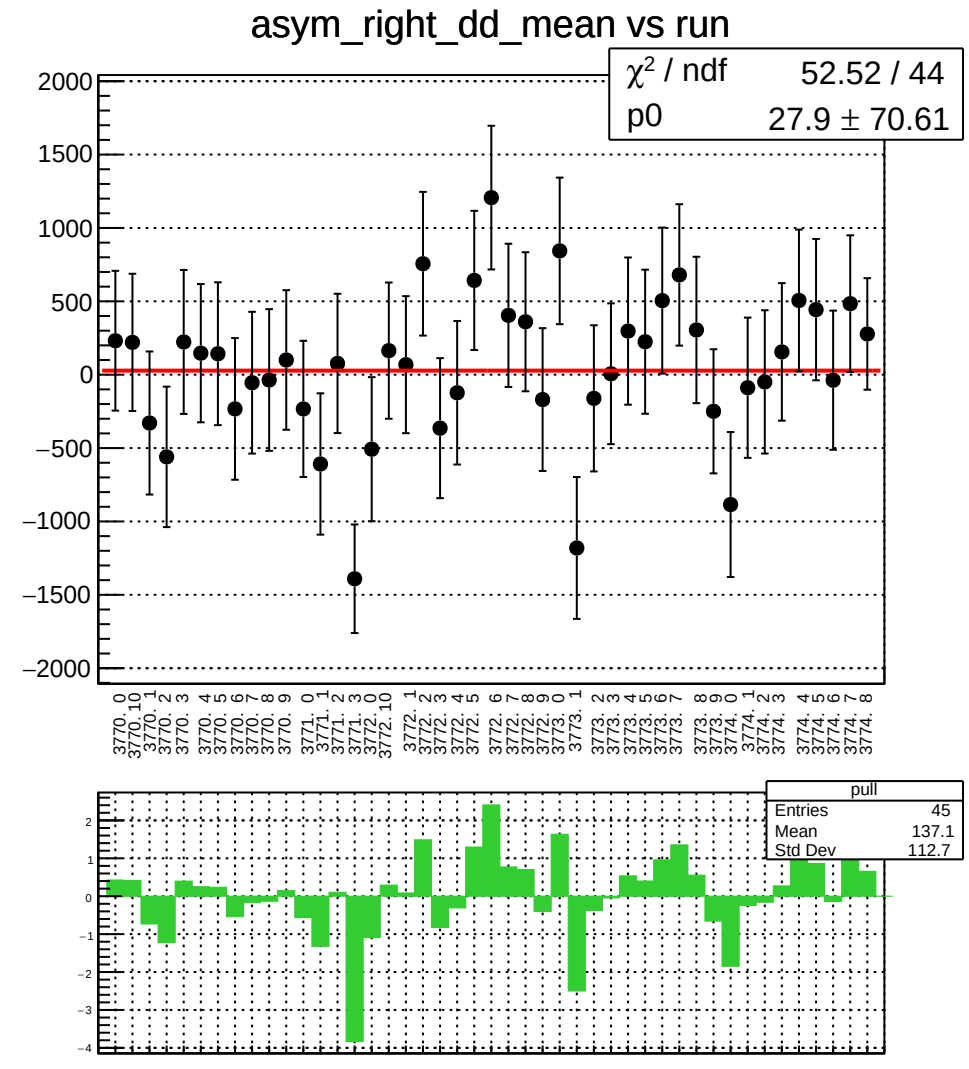

pull1D
Entries 45
Mean 0.01093
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

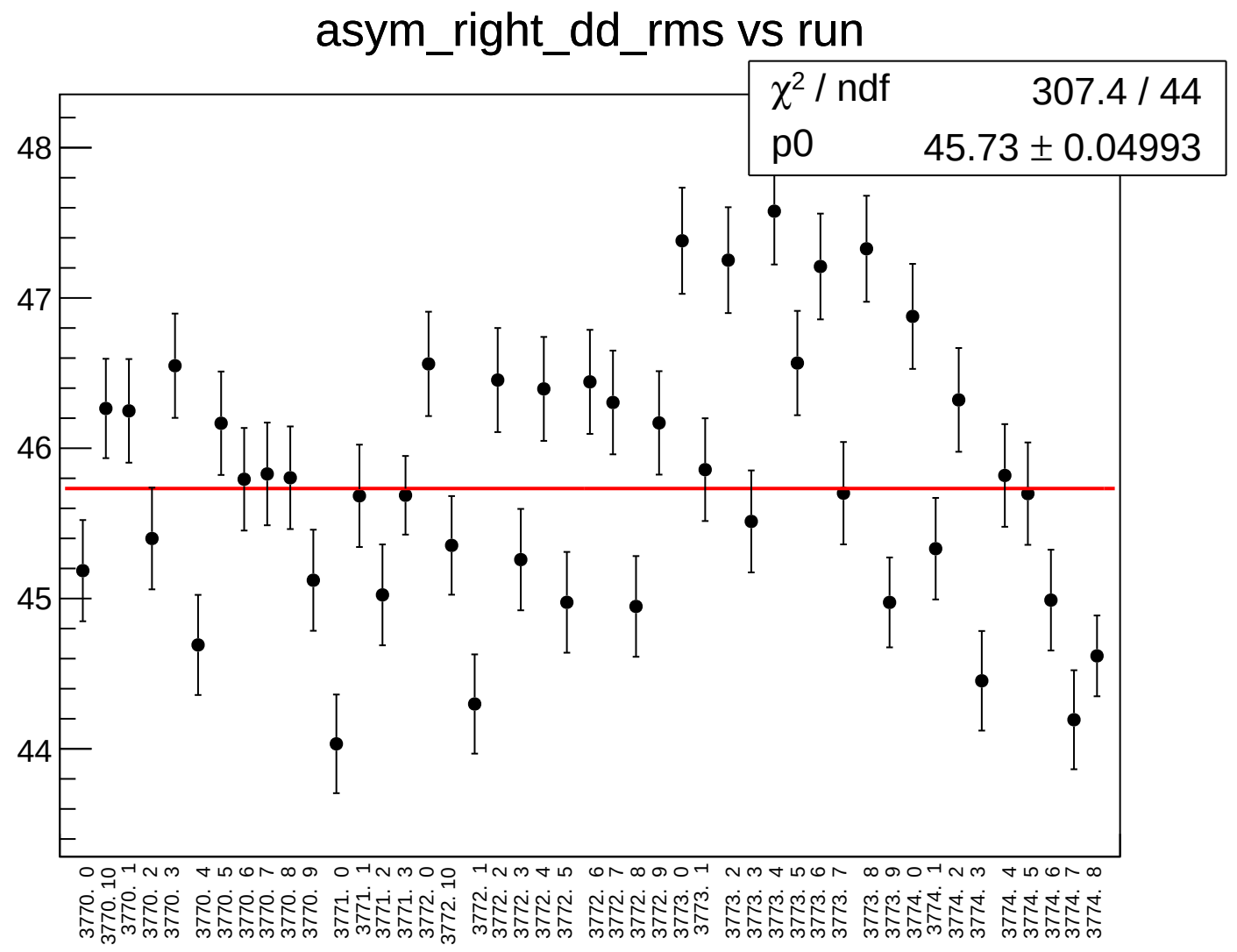

reg_asym_right_dd_rms vs run
χ² / ndf 49.34 / 44
p0 25.17 ± 0.02748
26
25.8
25.6
25.4
25.2
25
24.8
24.6
24.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

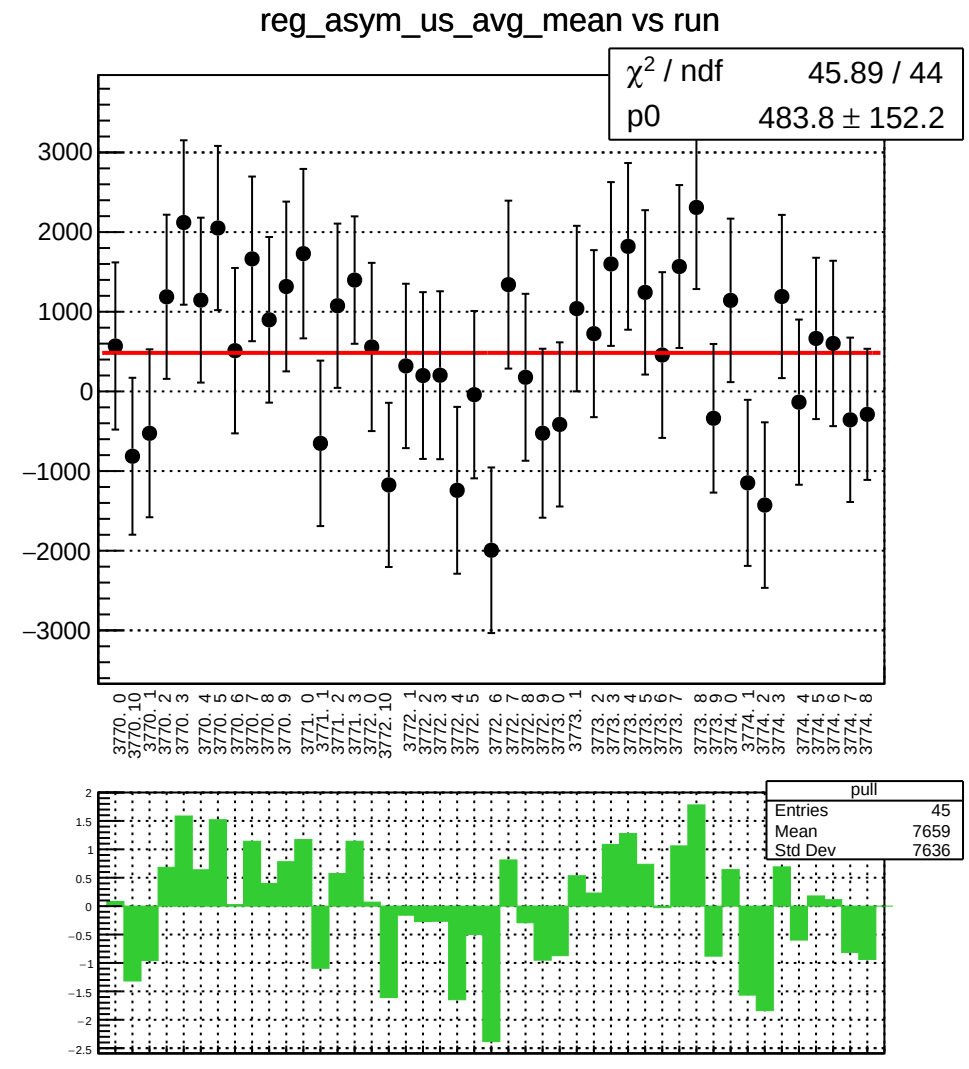

asym_right_dd_correction_mean vs run
χ² / ndf 47.57 / 44
p0 −8.166 ± 58.92
pull
Entries 45
Mean 15.55
Std Dev 16.7

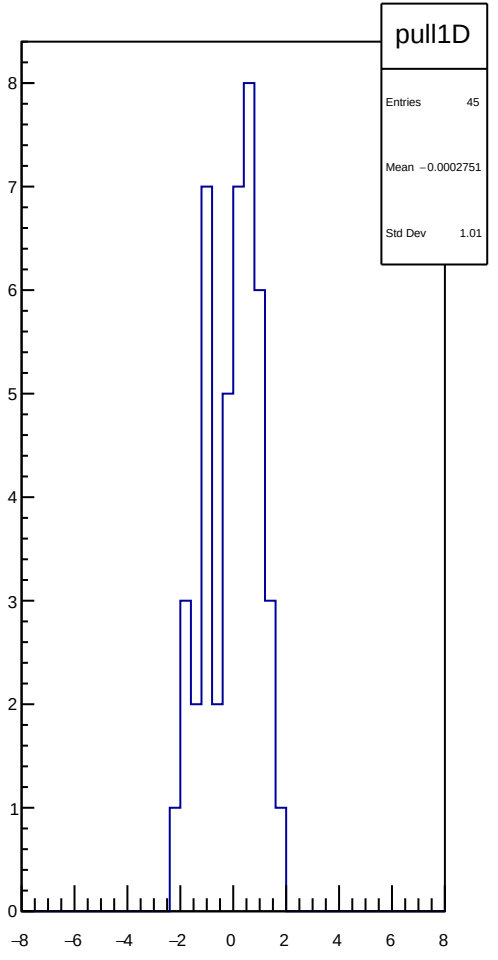

pull1D
Entries 45
Mean −0.02623
Std Dev 1.028

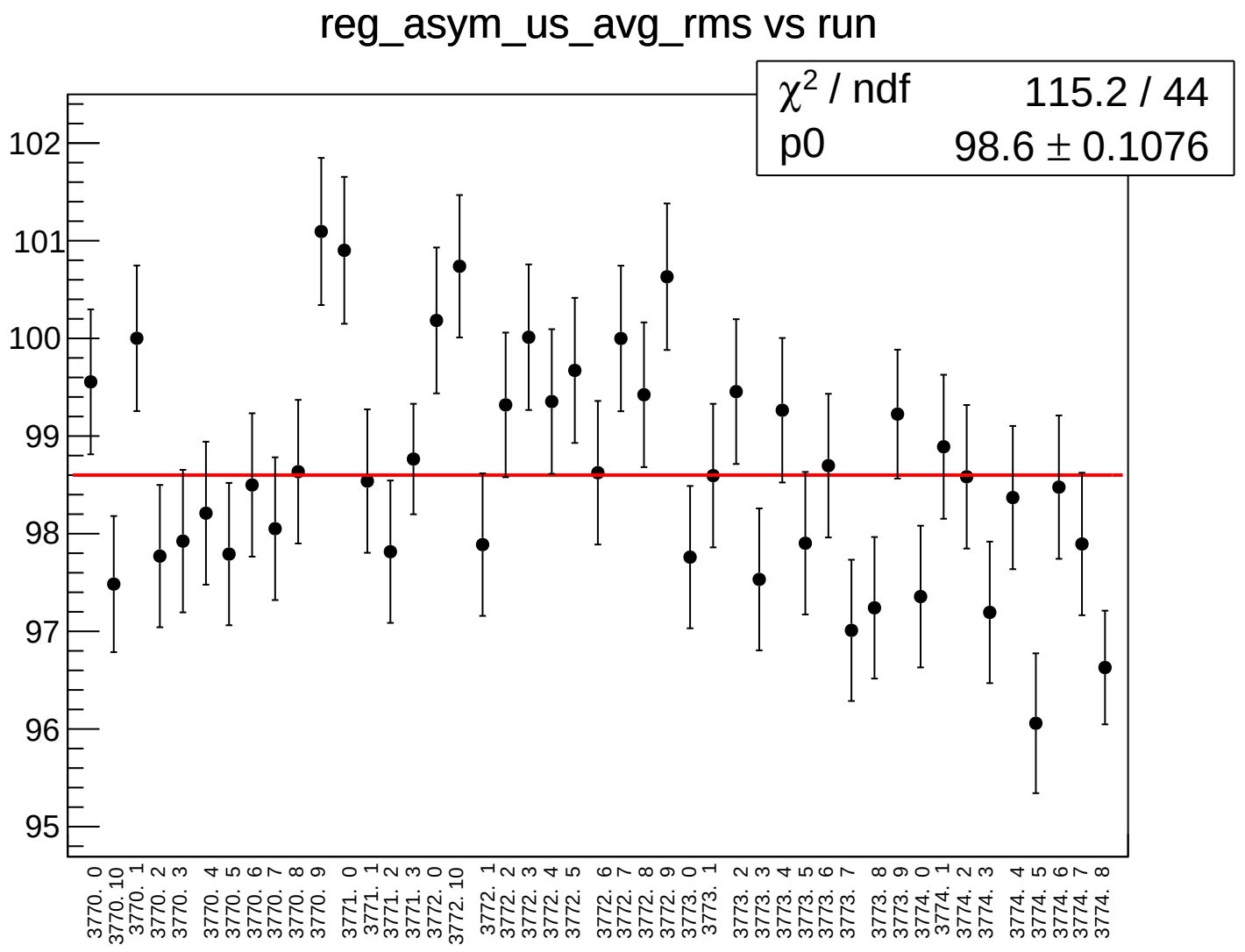

asym_right_dd_correction_rms vs run
χ² / ndf 649.7 / 44
p0 38.15 ± 0.04166
41
40
39
38
37
36
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

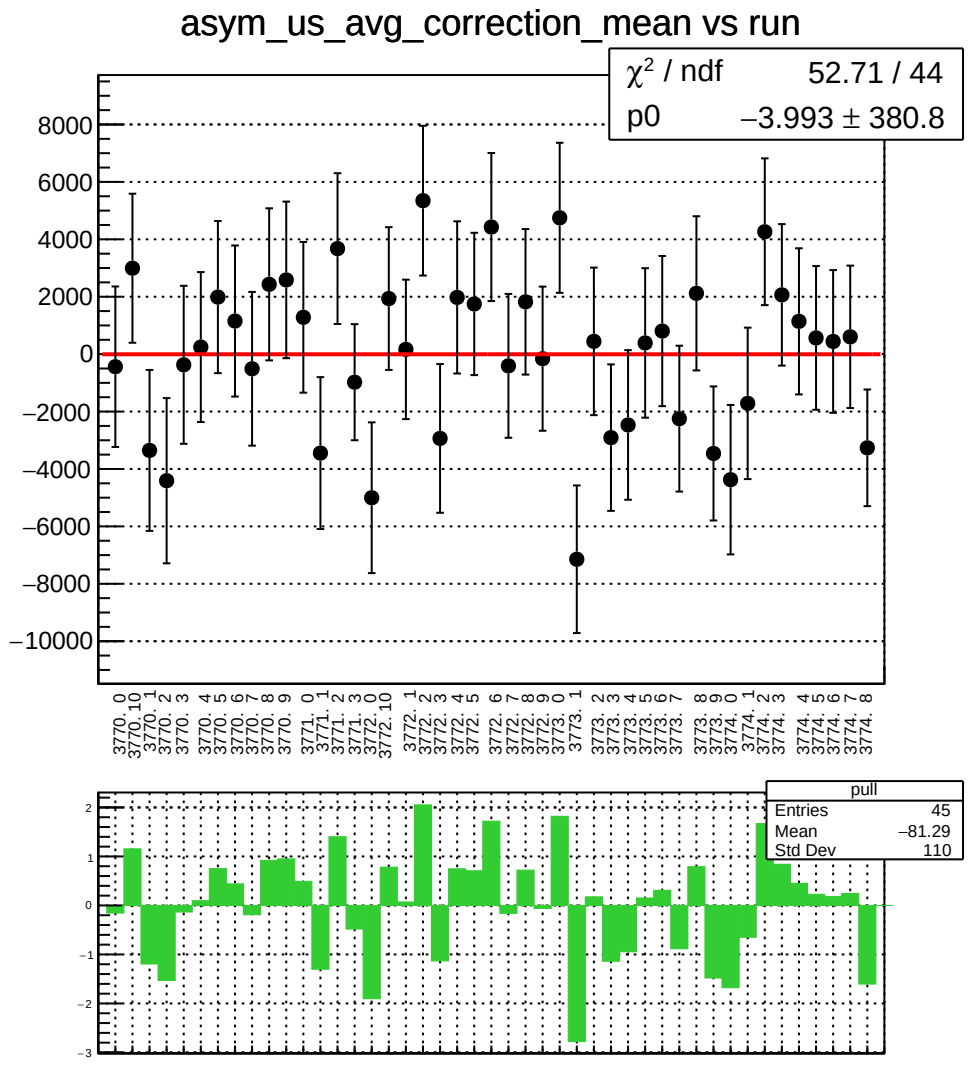

asym_right_dd_mean vs run
χ² / ndf 52.52 / 44
p0 27.9 ± 70.61
2000
1500
1000
500
0
−500
−1000
−1500
−2000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 137.1
Std Dev 112.7
2
1
0
−1
−2
−3
−4
pull1D
Entries 45
Mean 0.02473
Std Dev 1.08
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

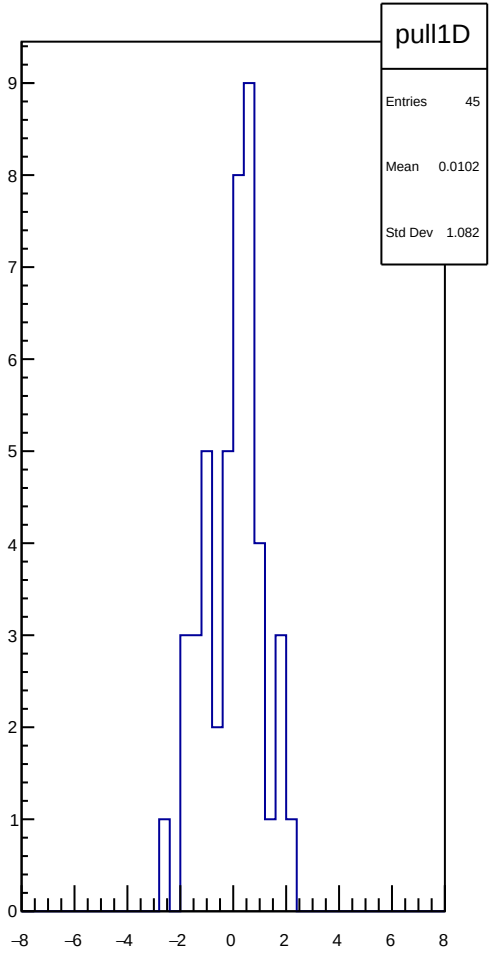

asym_right_dd_rms vs run
χ² / ndf 307.4 / 44
p0 45.73 ± 0.04993
48
47
46
45
44
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

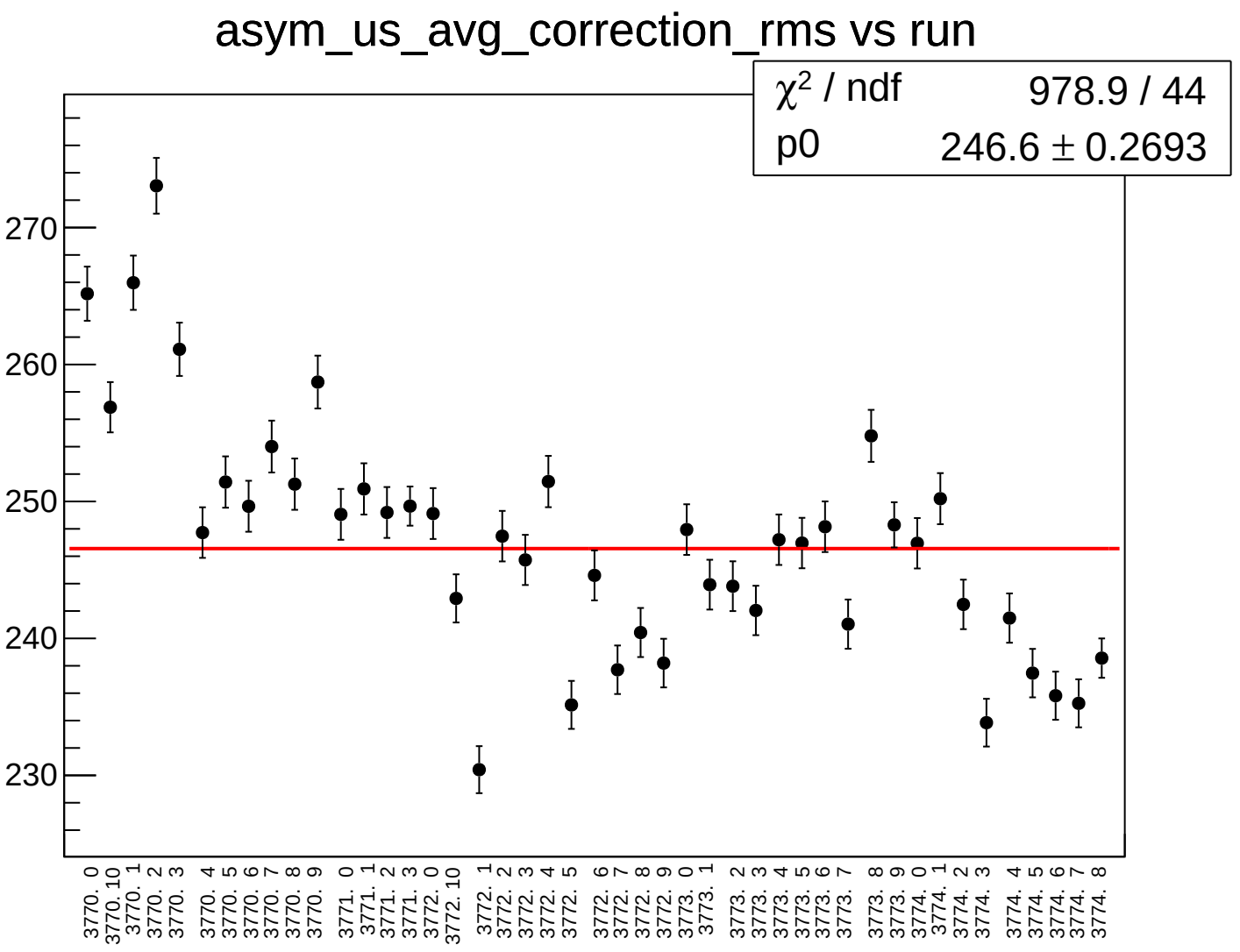

reg_asym_us_avg_mean vs run
χ² / ndf 45.89 / 44
p0 483.8 ± 152.2
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 7659
Std Dev 7636
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

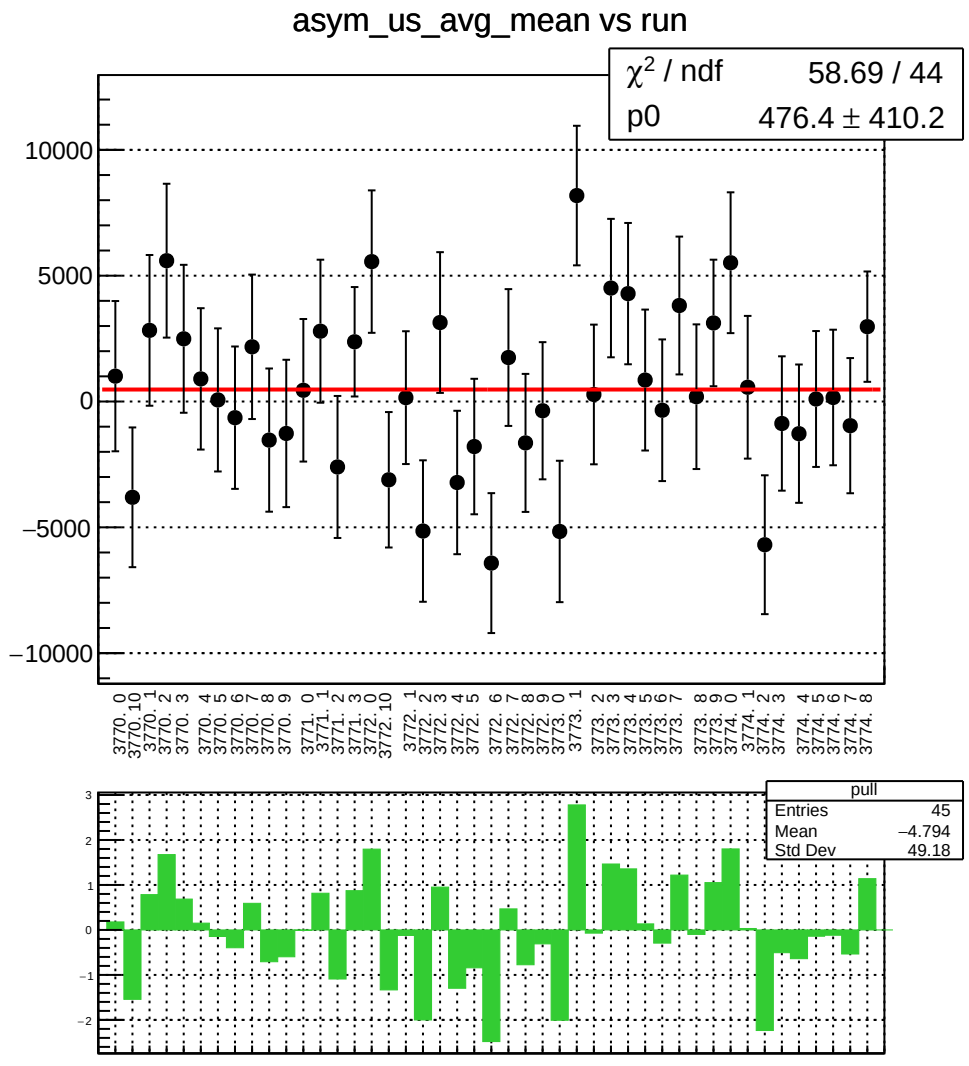

pull1D
Entries 45
Mean −0.0002751
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

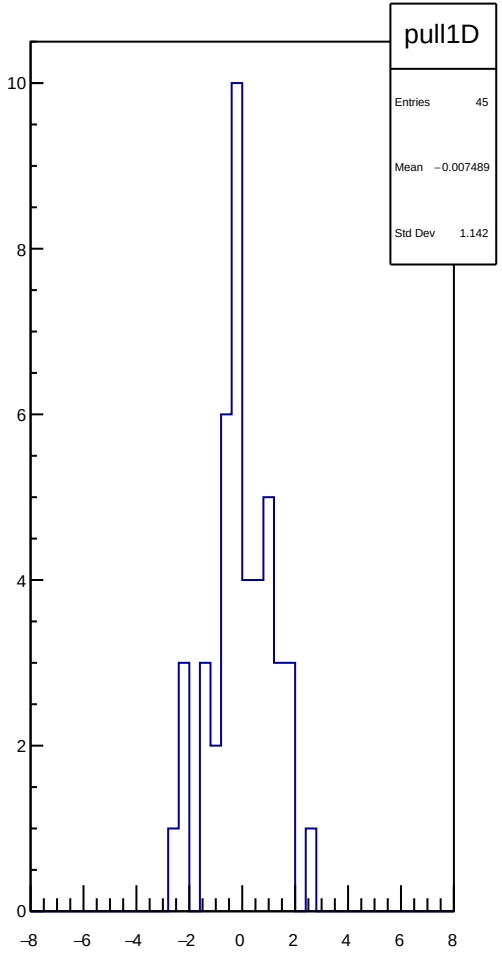

reg_asym_us_avg_rms vs run
χ^2 / ndf 115.2 / 44
p0 98.6 ± 0.1076
102
101
100
99
98
97
96
95
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

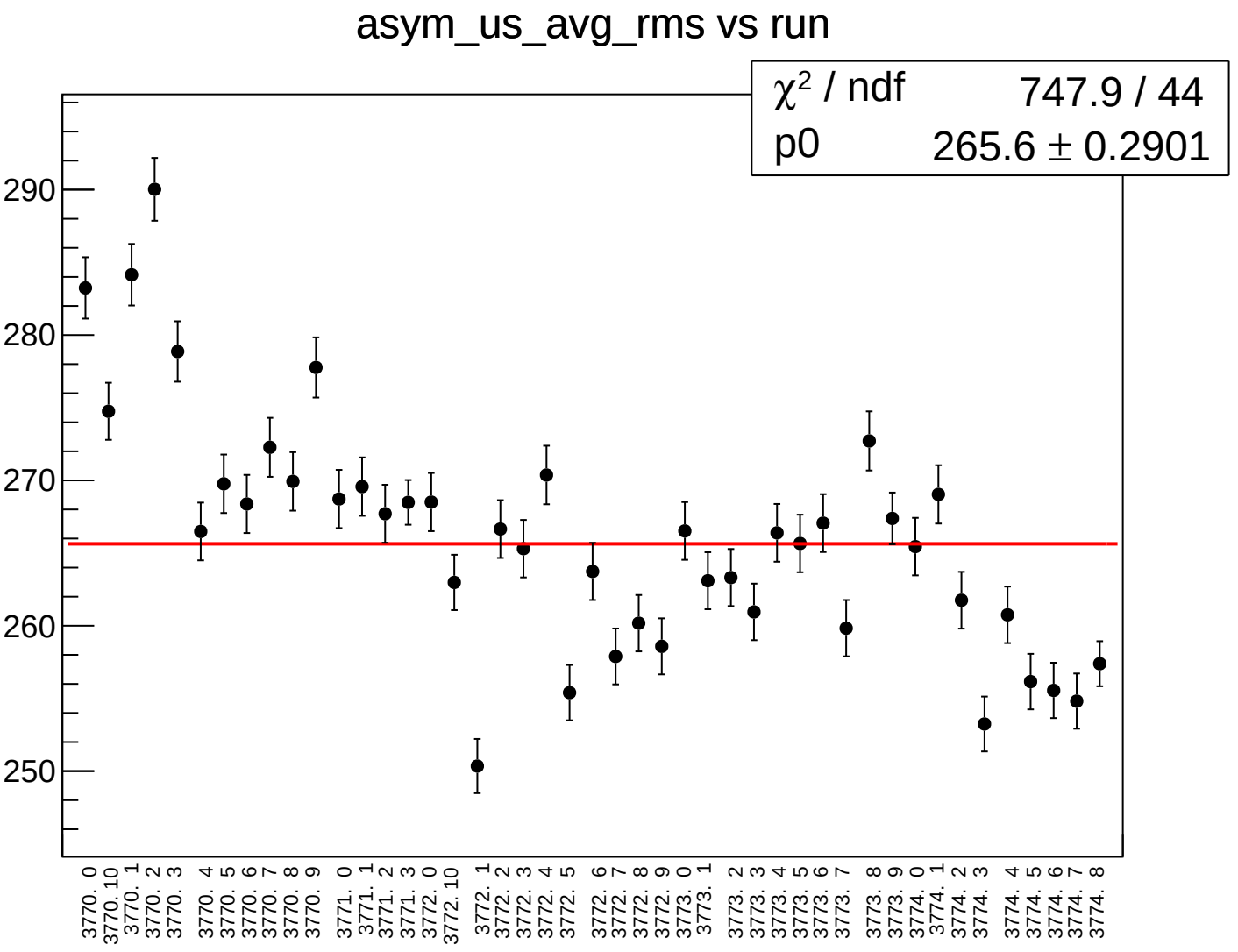

asym_us_avg_correction_mean vs run
χ² / ndf 52.71 / 44
p0 −3.993 ± 380.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −81.29
Std Dev 110
2
1
0
−1
−2
−3

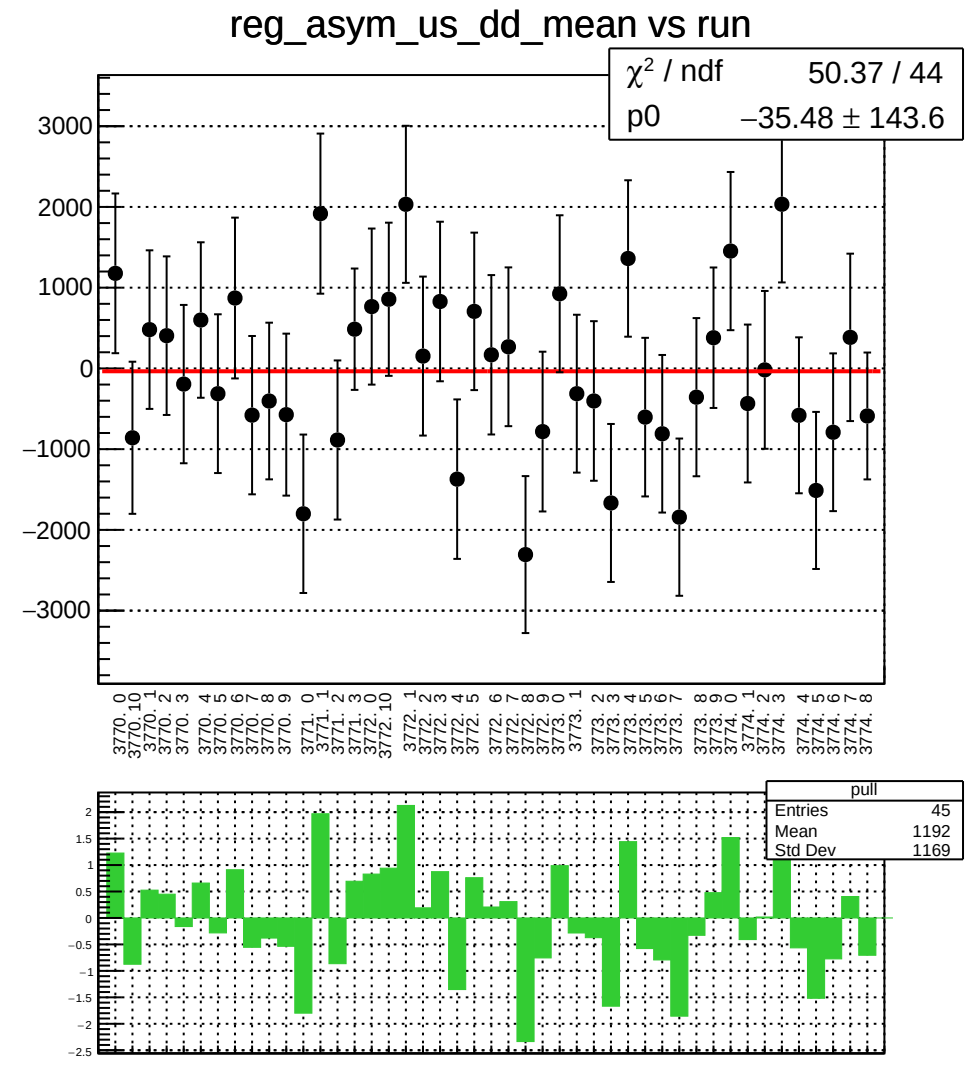

pull1D
Entries 45
Mean 0.0102
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

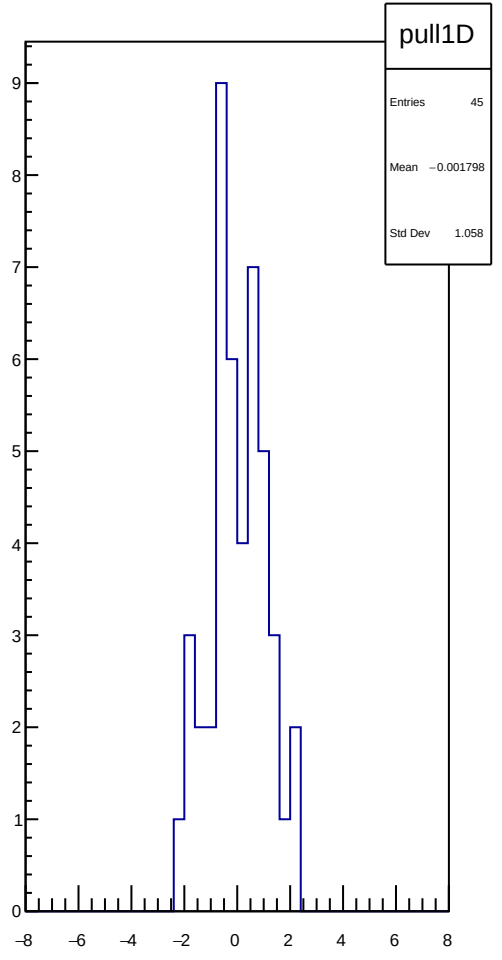

asym_us_avg_correction_rms vs run
χ² / ndf 978.9 / 44
p0 246.6 ± 0.2693
270
260
250
240
230
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

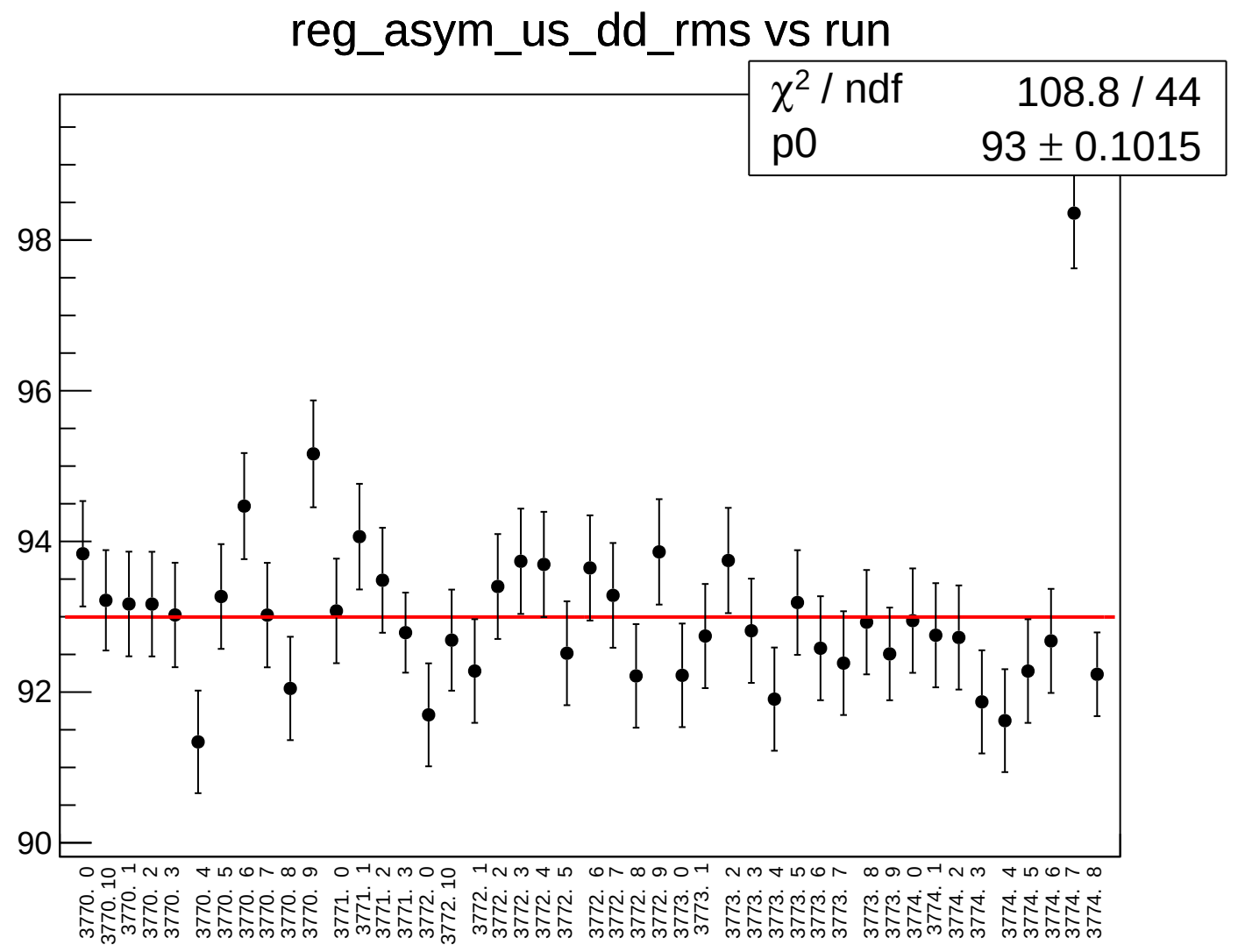

asym_us_avg_mean vs run
χ² / ndf 58.69 / 44
p0 476.4 ± 410.2
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −4.794
Std Dev 49.18
3
2
1
0
−1
−2

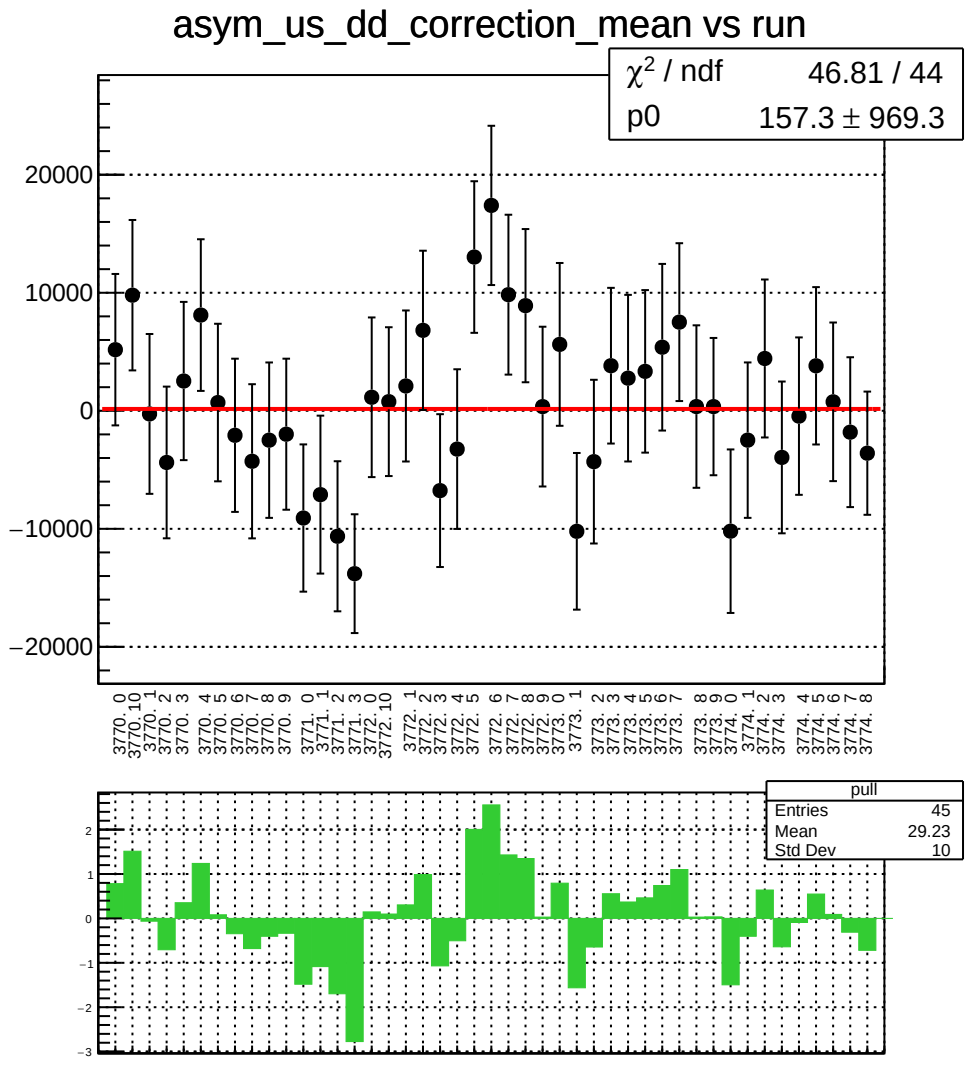

pull1D
Entries 45
Mean −0.007489
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

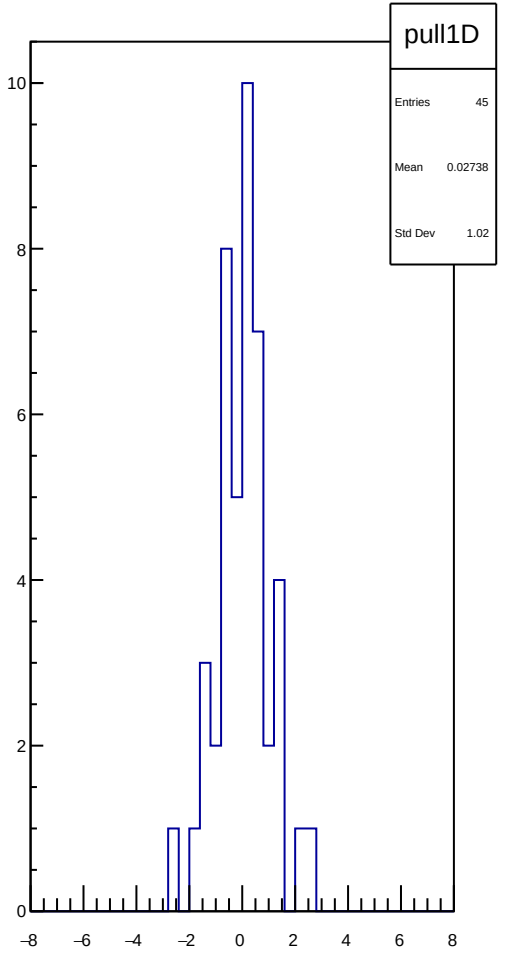

asym_us_avg_rms vs run
χ² / ndf 747.9 / 44
p0 265.6 ± 0.2901
290
280
270
260
250
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

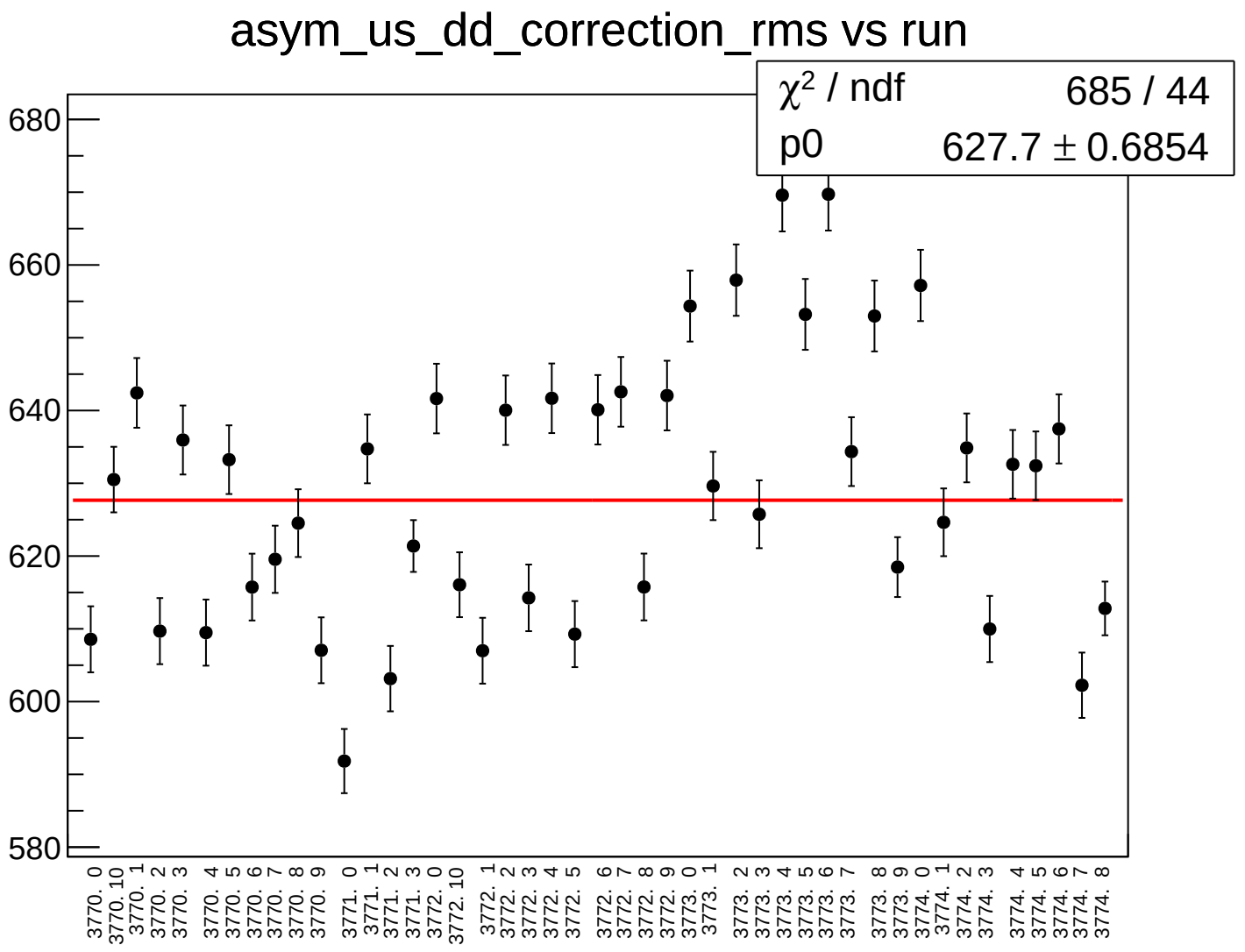

reg_asym_us_dd_mean vs run
χ² / ndf 50.37 / 44
p0 −35.48 ± 143.6
pull
Entries 45
Mean 1192
Std Dev 1169


pull1D
Entries 45
Mean −0.001798
Std Dev 1.058


reg_asym_us_dd_rms vs run
χ^2 / ndf 108.8 / 44
p0 93 ± 0.1015
98
96
94
92
90
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_us_dd_correction_mean vs run
χ² / ndf 46.81 / 44
p0 157.3 ± 969.3
20000
10000
0
−10000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 29.23
Std Dev 10
2
1
0
−1
−2
−3


pull1D
Entries 45
Mean 0.02738
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_correction_rms vs run
χ² / ndf 685 / 44
p0 627.7 ± 0.6854
680
660
640
620
600
580
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
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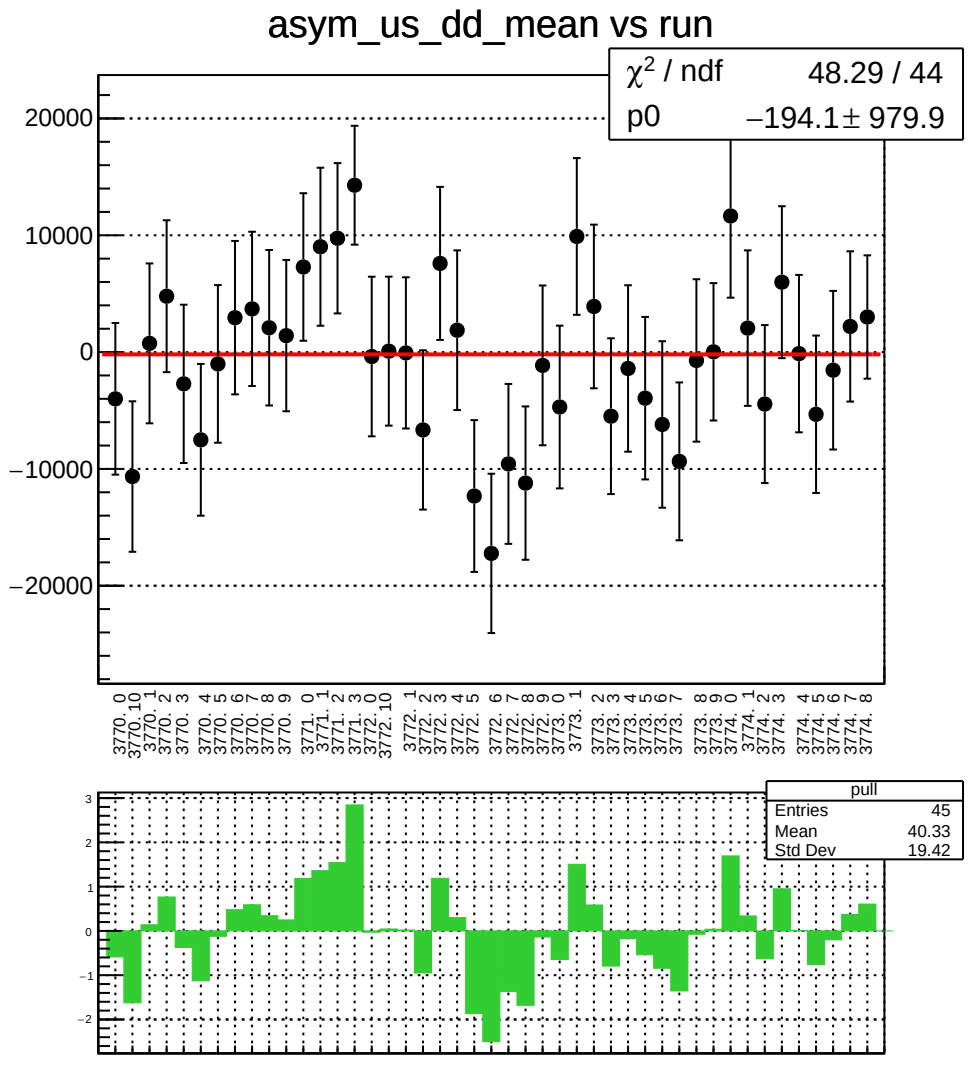
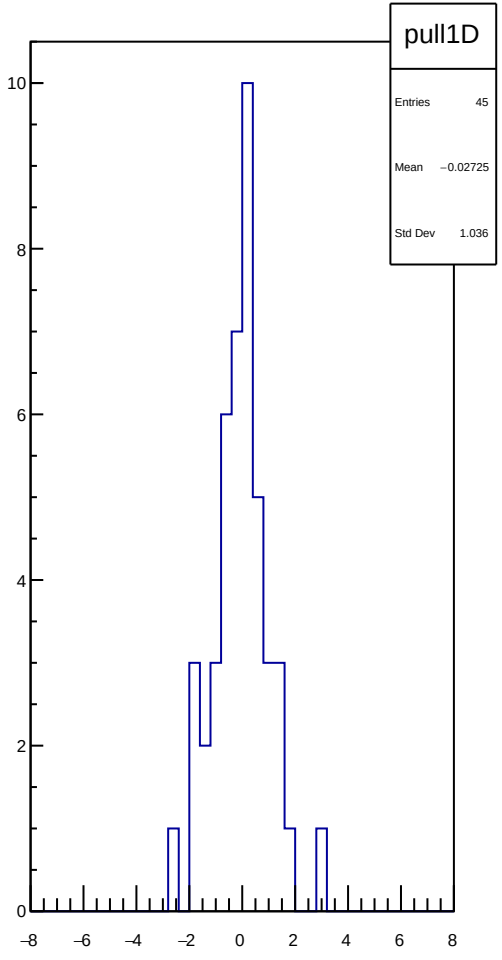
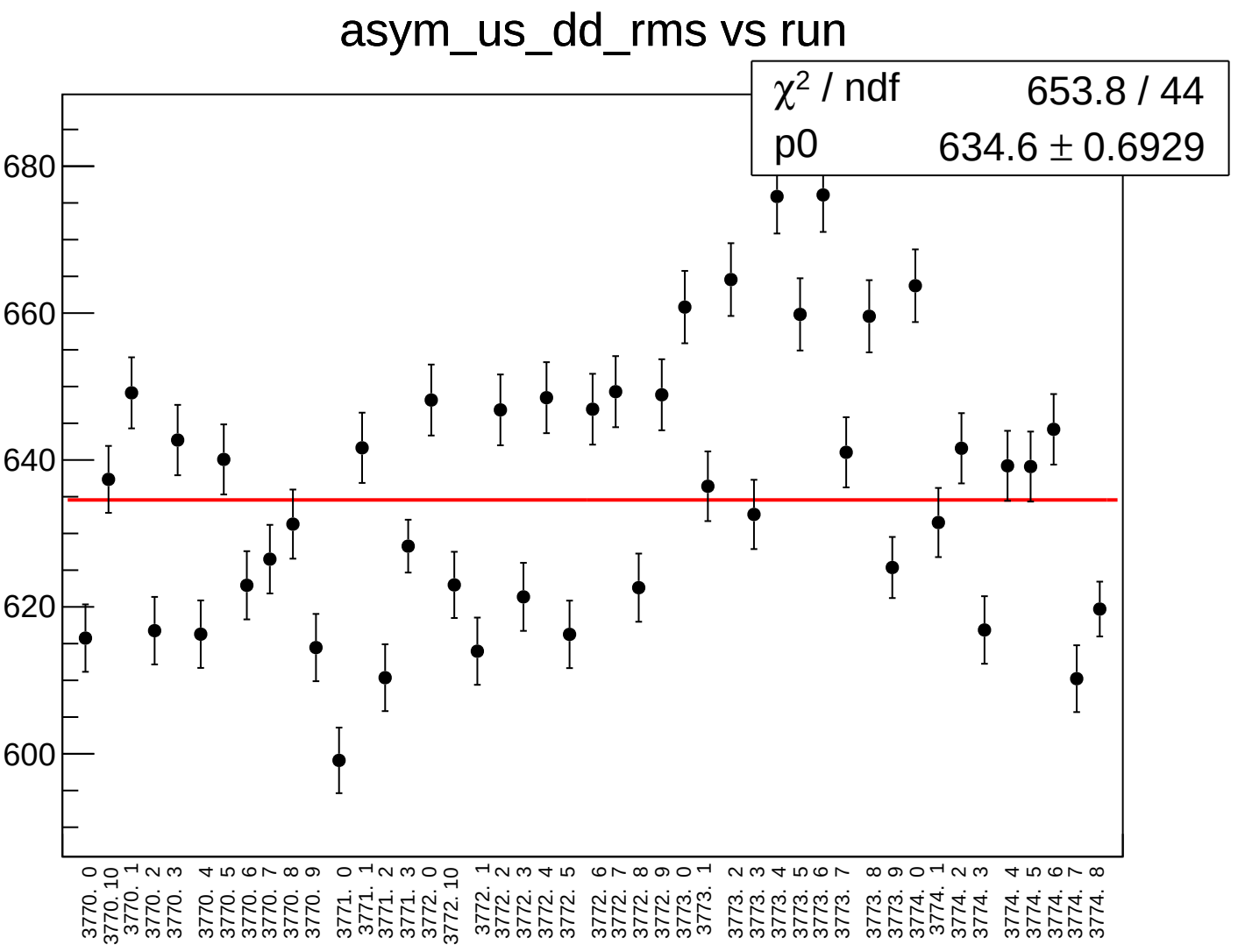
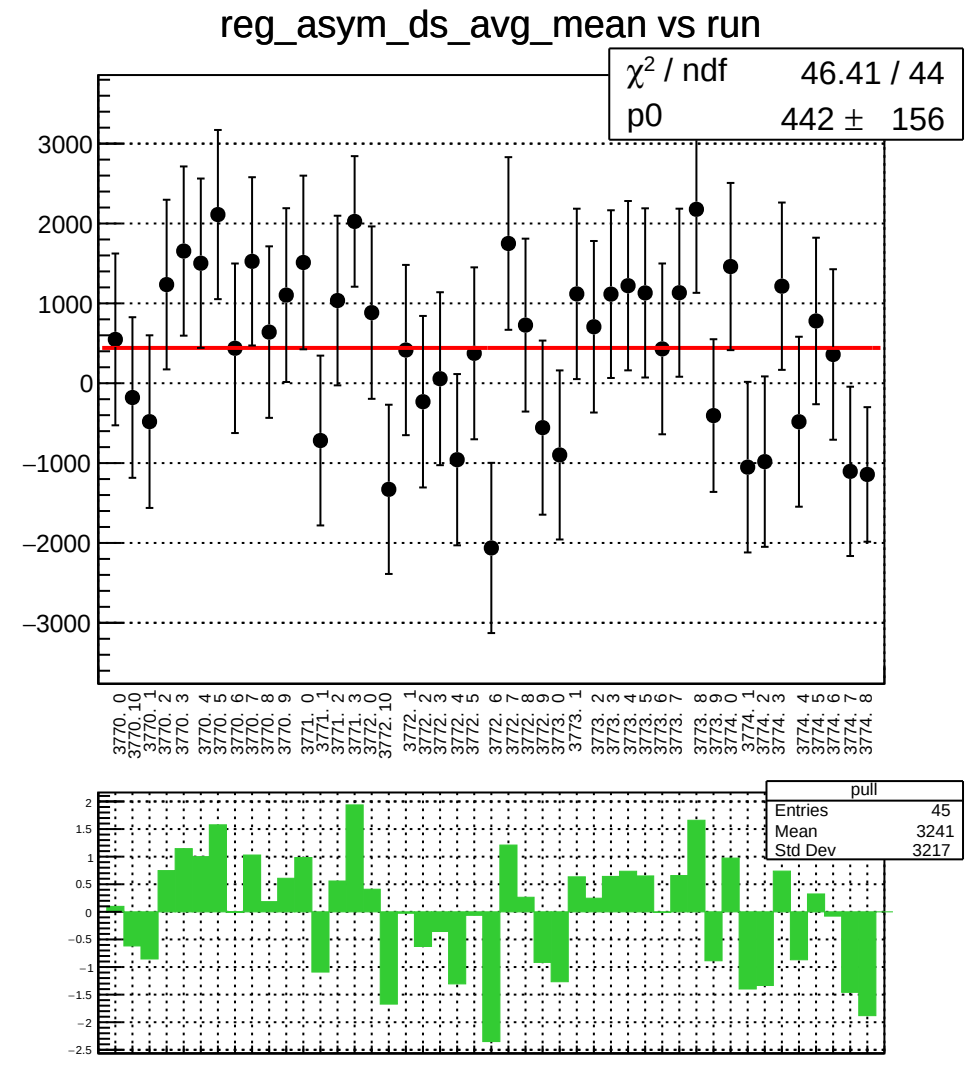
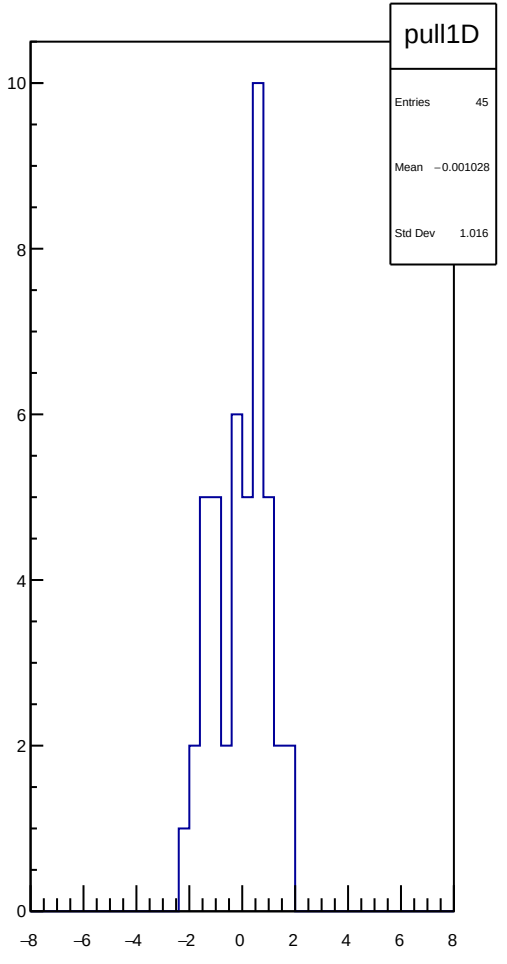
3774. 7
3774. 8

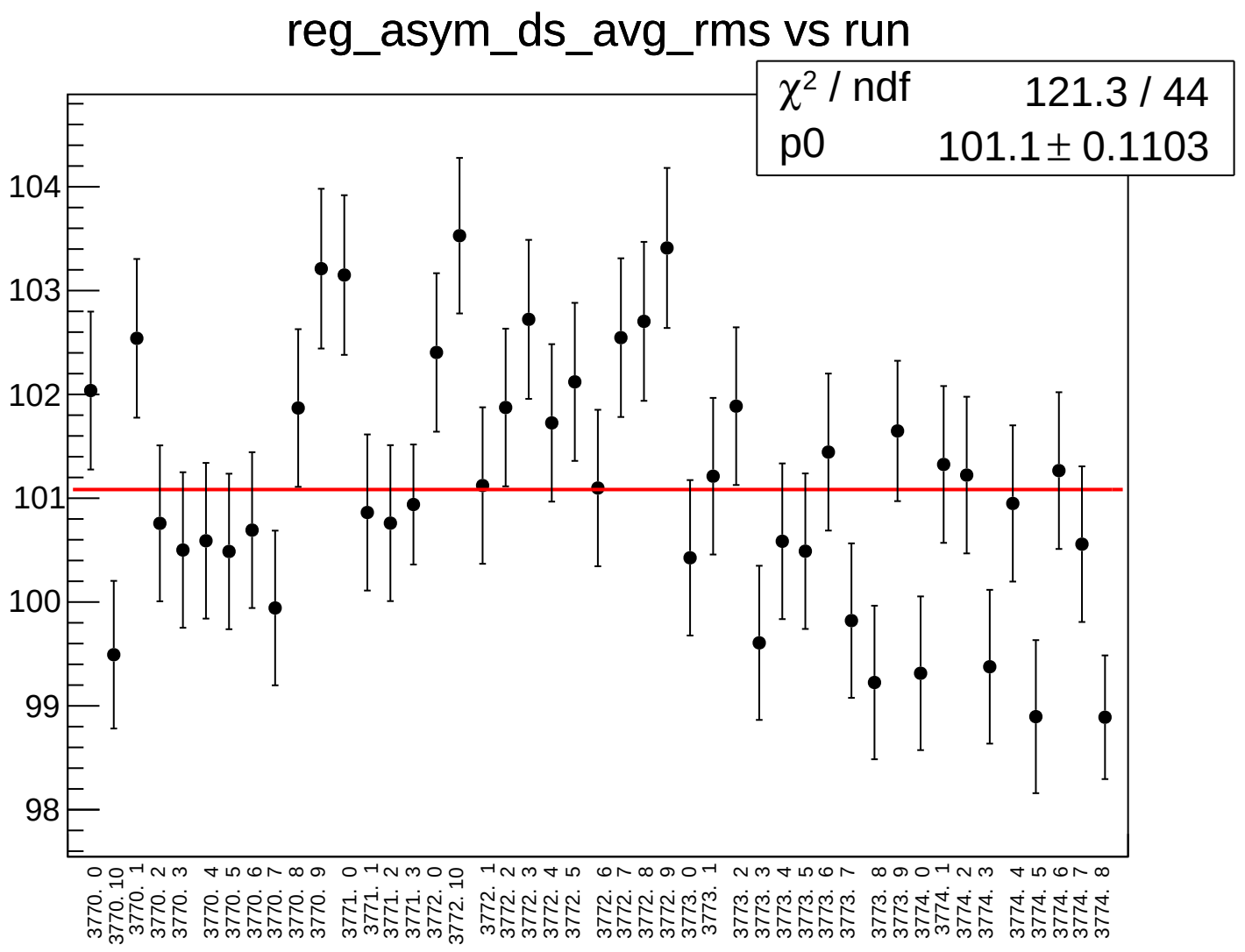

asym_us_dd_mean vs run
χ² / ndf 48.29 / 44
p0 −194.1± 979.9
20000
10000
0
−10000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 40.33
Std Dev 19.42
3
2
1
0
−1
−2

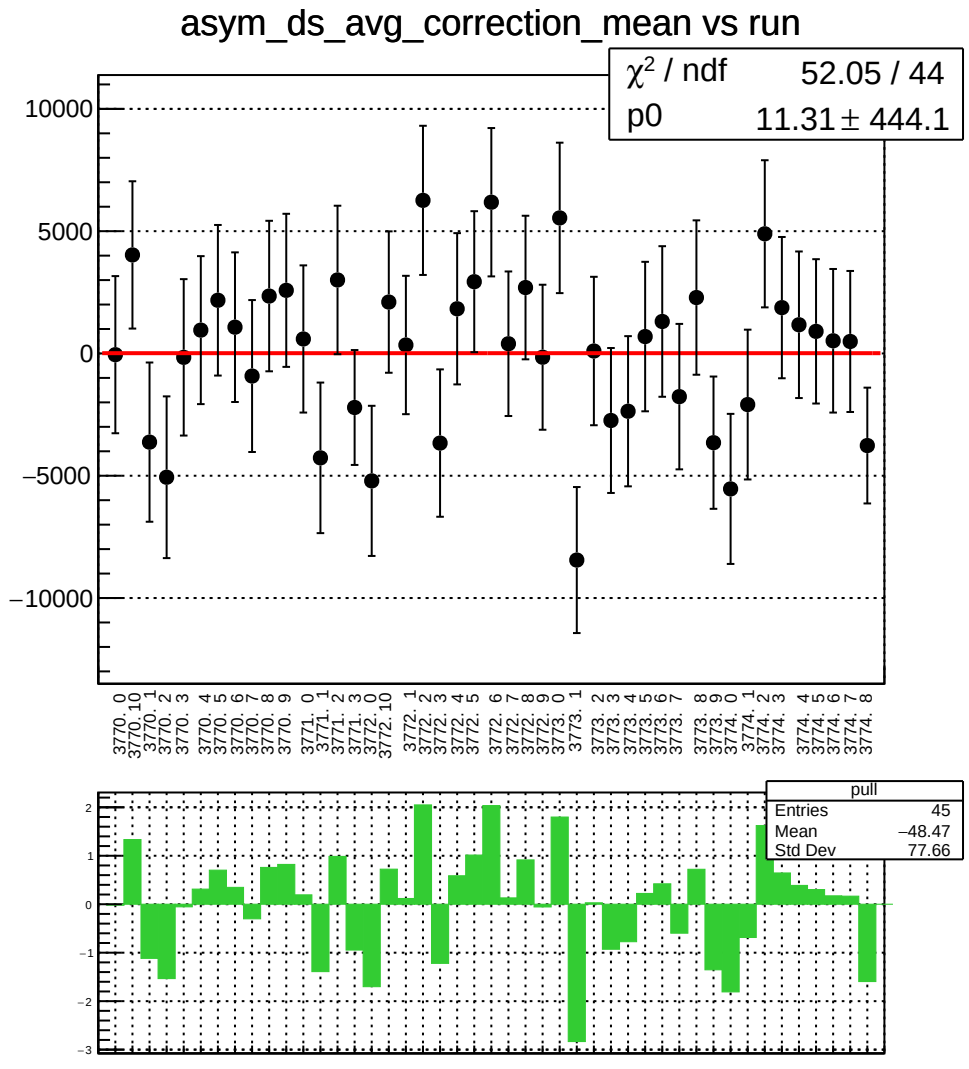

pull1D
Entries 45
Mean −0.02725
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

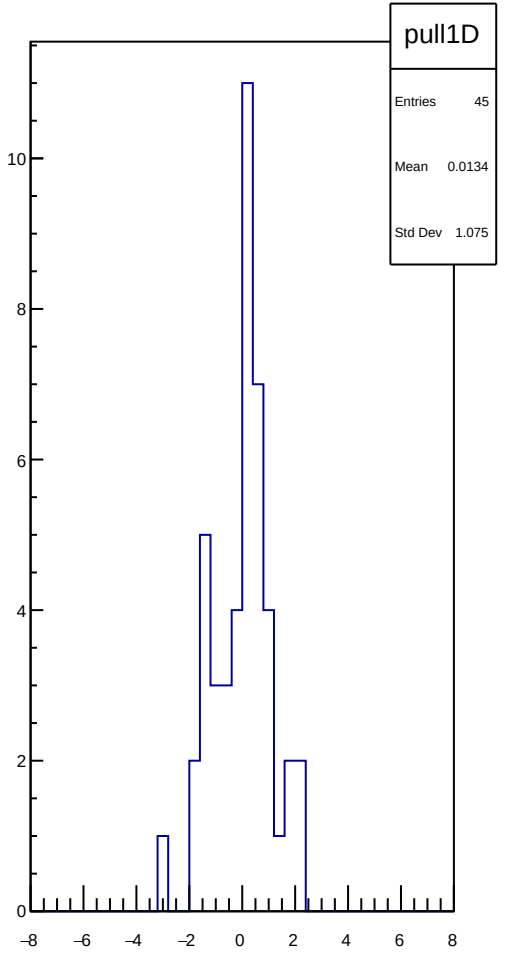

asym_us_dd_rms vs run
χ² / ndf 653.8 / 44
p0 634.6 ± 0.6929
680
660
640
620
600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

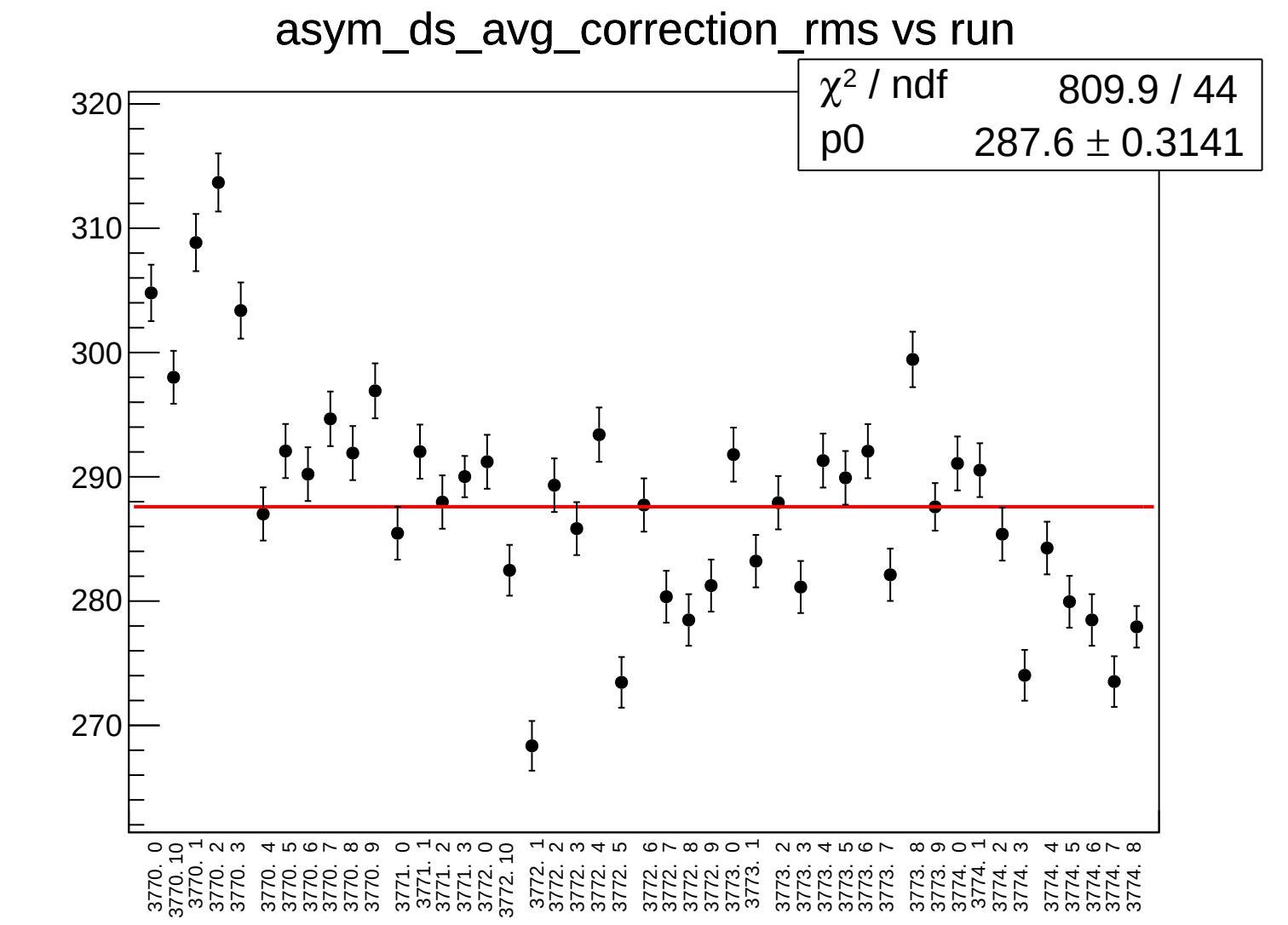

reg_asym_ds_avg_mean vs run
χ^2 / ndf 46.41 / 44
p0 442 ± 156
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 3241
Std Dev 3217
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

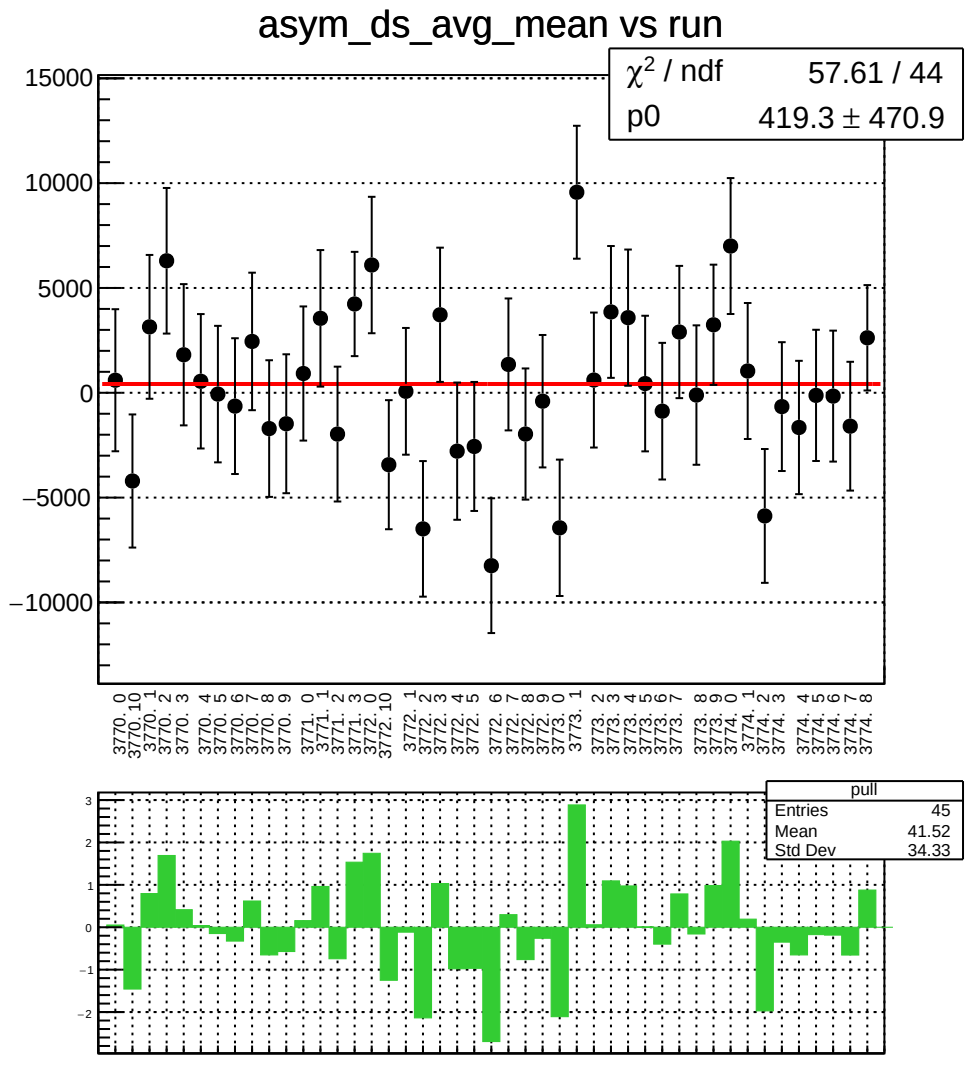

pull1D
Entries 45
Mean −0.001028
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

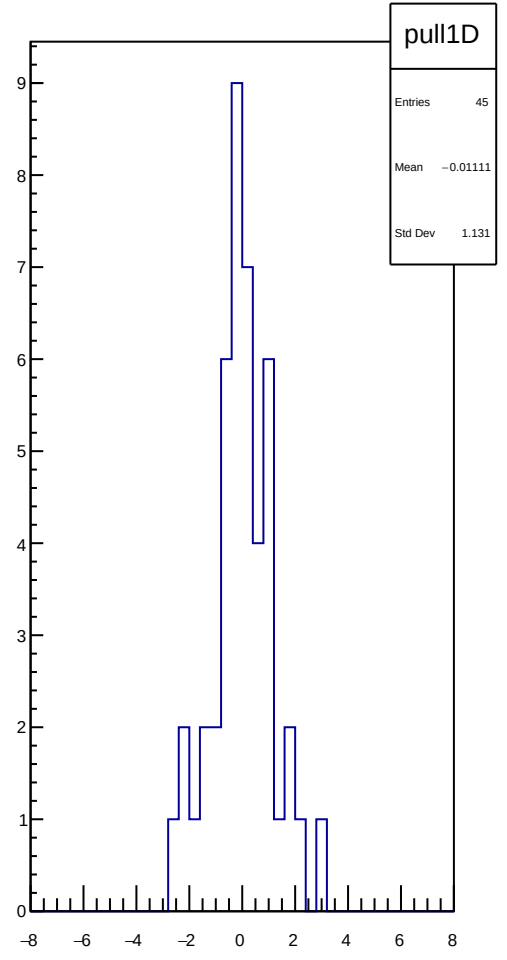

reg_asym_ds_avg_rms vs run
χ² / ndf 121.3 / 44
p0 101.1 ± 0.1103
104
103
102
101
100
99
98
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

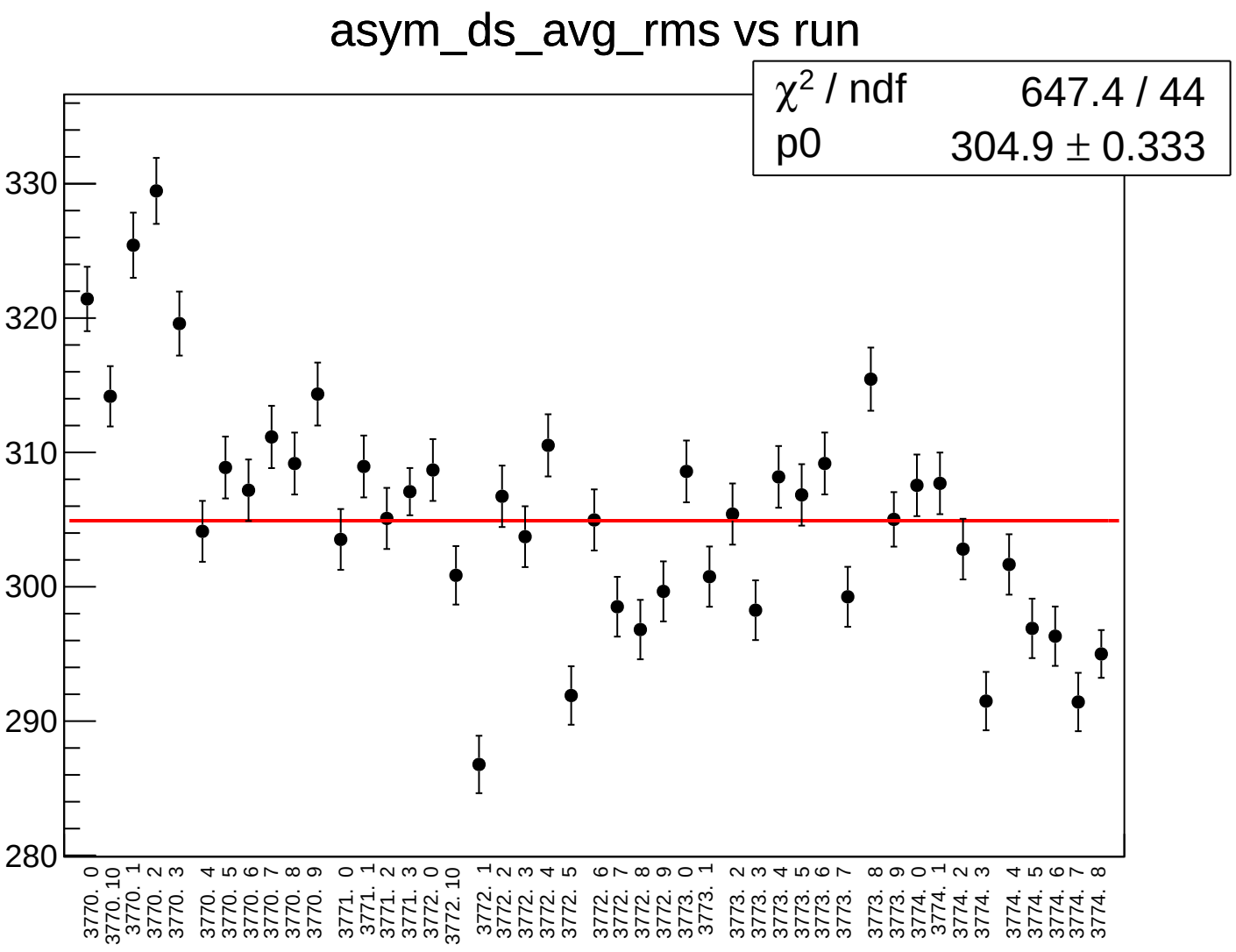

asym_ds_avg_correction_mean vs run
χ² / ndf 52.05 / 44
p0 11.31 ± 444.1
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −48.47
Std Dev 77.66
2
1
0
−1
−2
−3

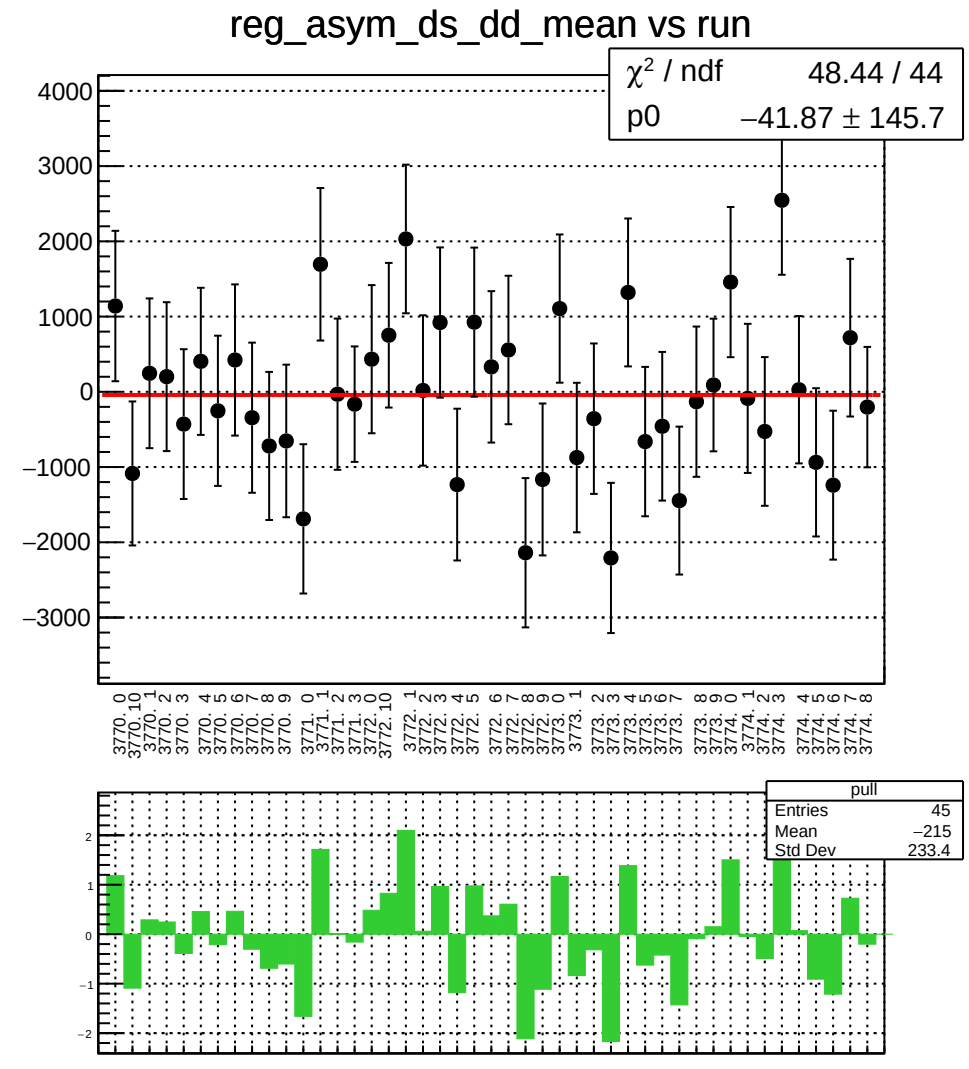

pull1D
Entries 45
Mean 0.0134
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

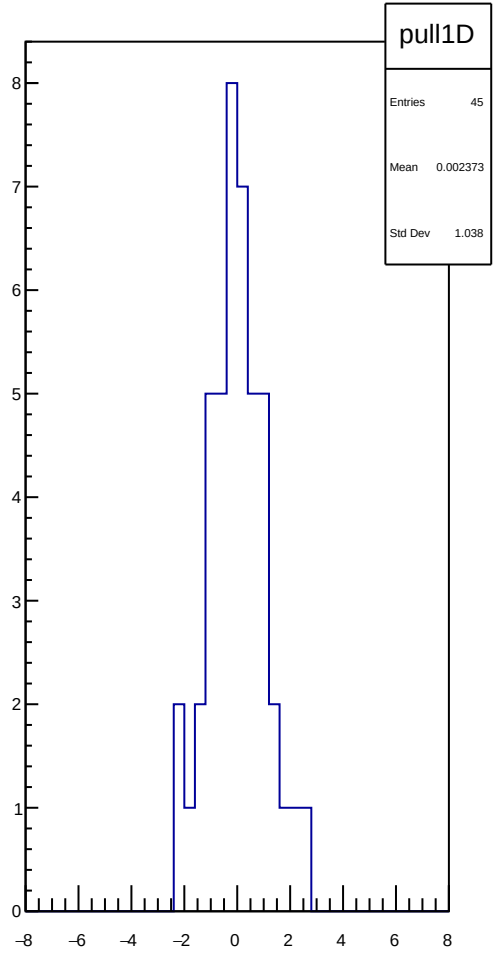

asym_ds_avg_correction_rms vs run
χ² / ndf 809.9 / 44
p0 287.6 ± 0.3141
320
310
300
290
280
270
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

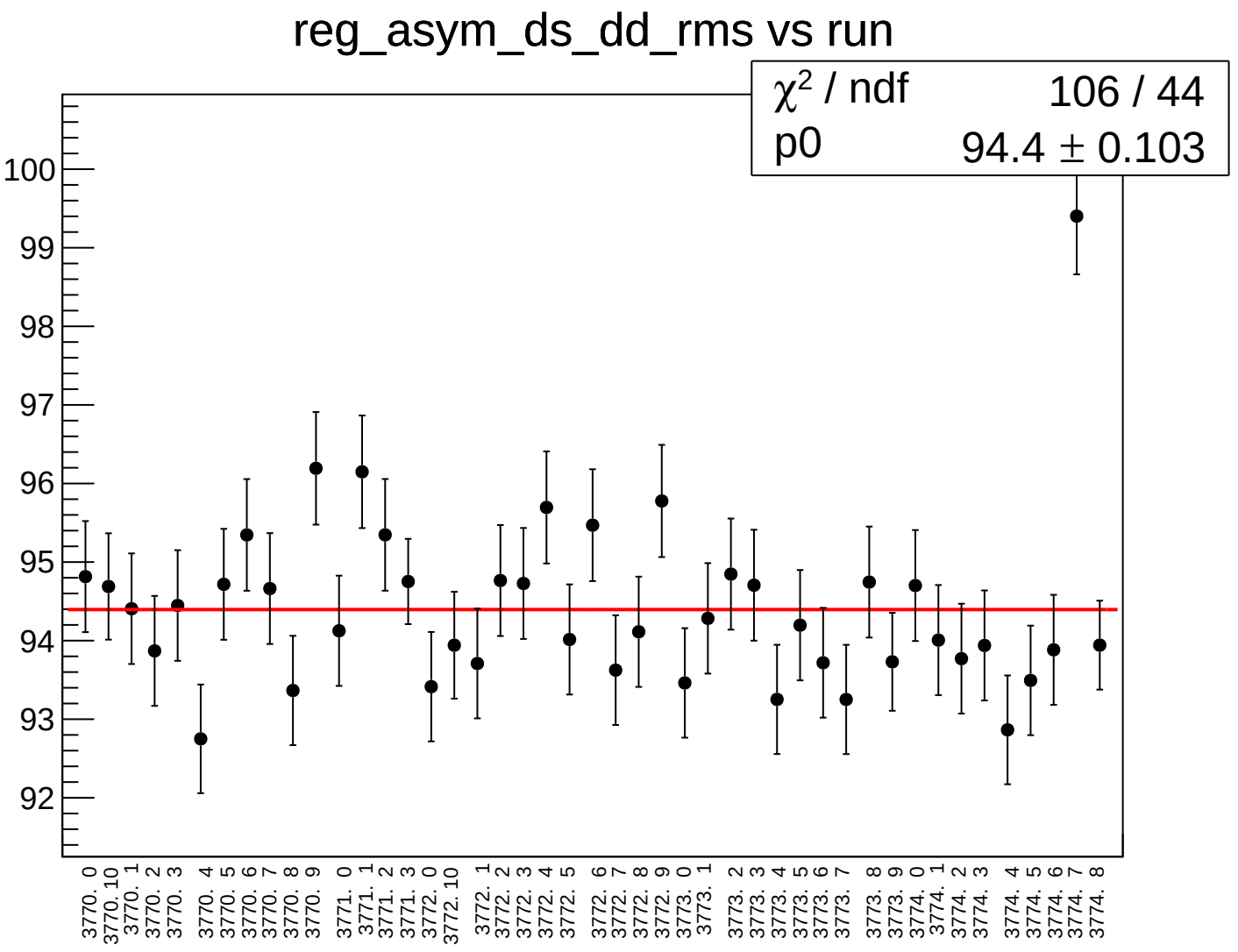

asym_ds_avg_mean vs run
χ² / ndf 57.61 / 44
p0 419.3 ± 470.9
15000
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 41.52
Std Dev 34.33
3
2
1
0
−1
−2

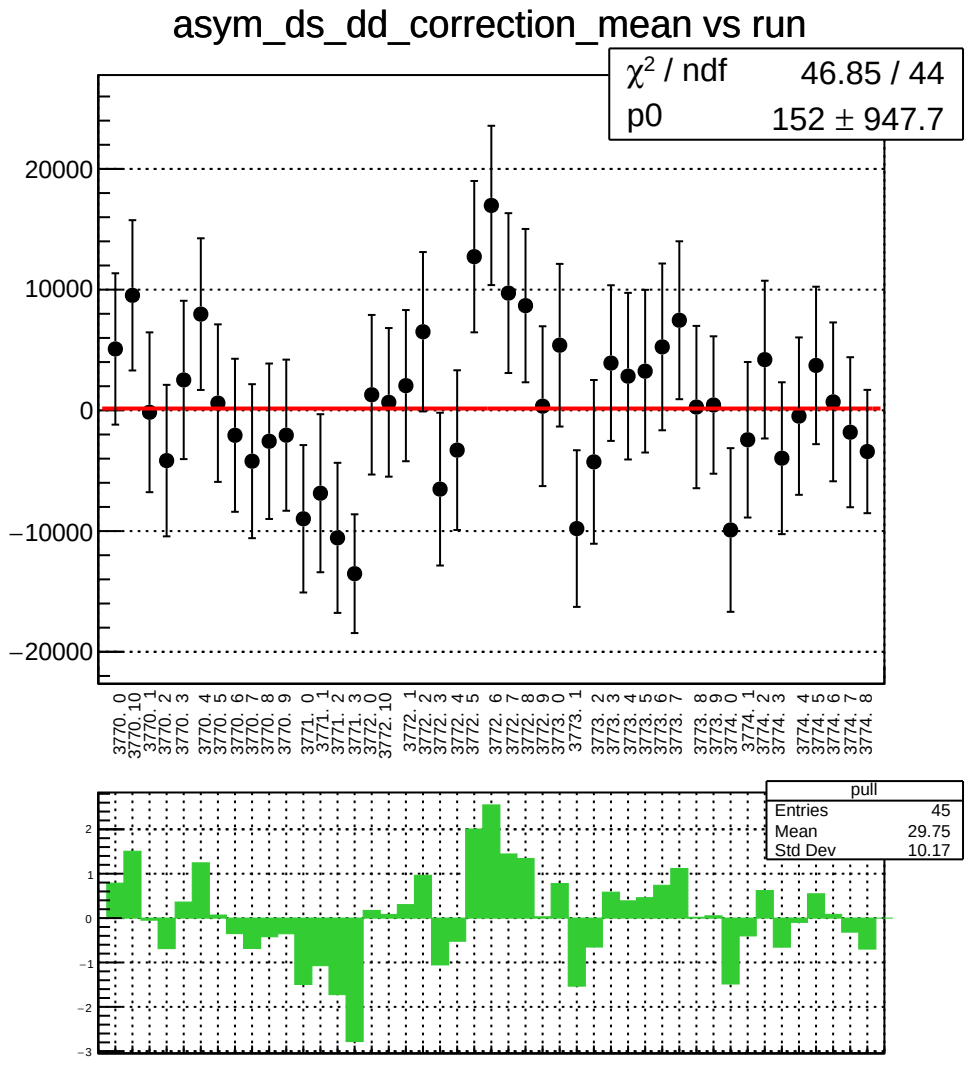

pull1D
Entries 45
Mean −0.01111
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

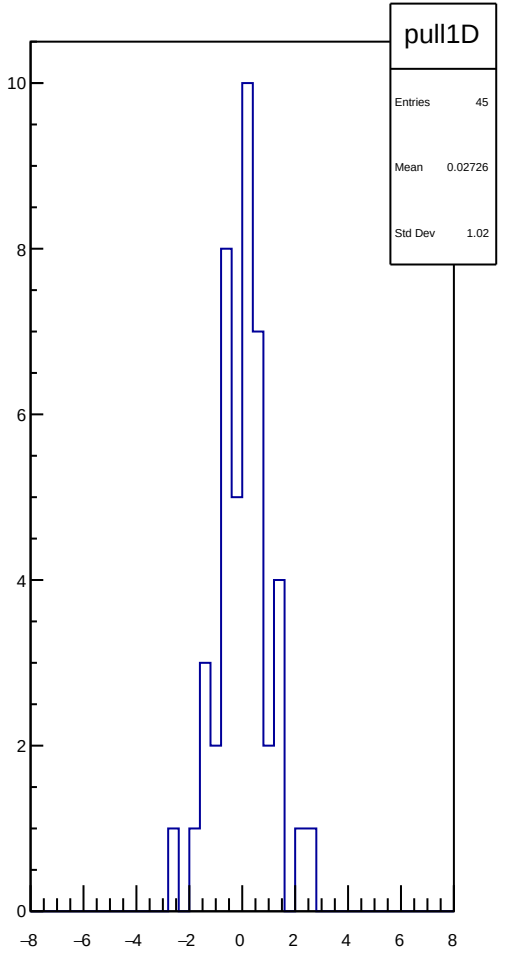

asym_ds_avg_rms vs run
χ² / ndf 647.4 / 44
p0 304.9 ± 0.333
330
320
310
300
290
280
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

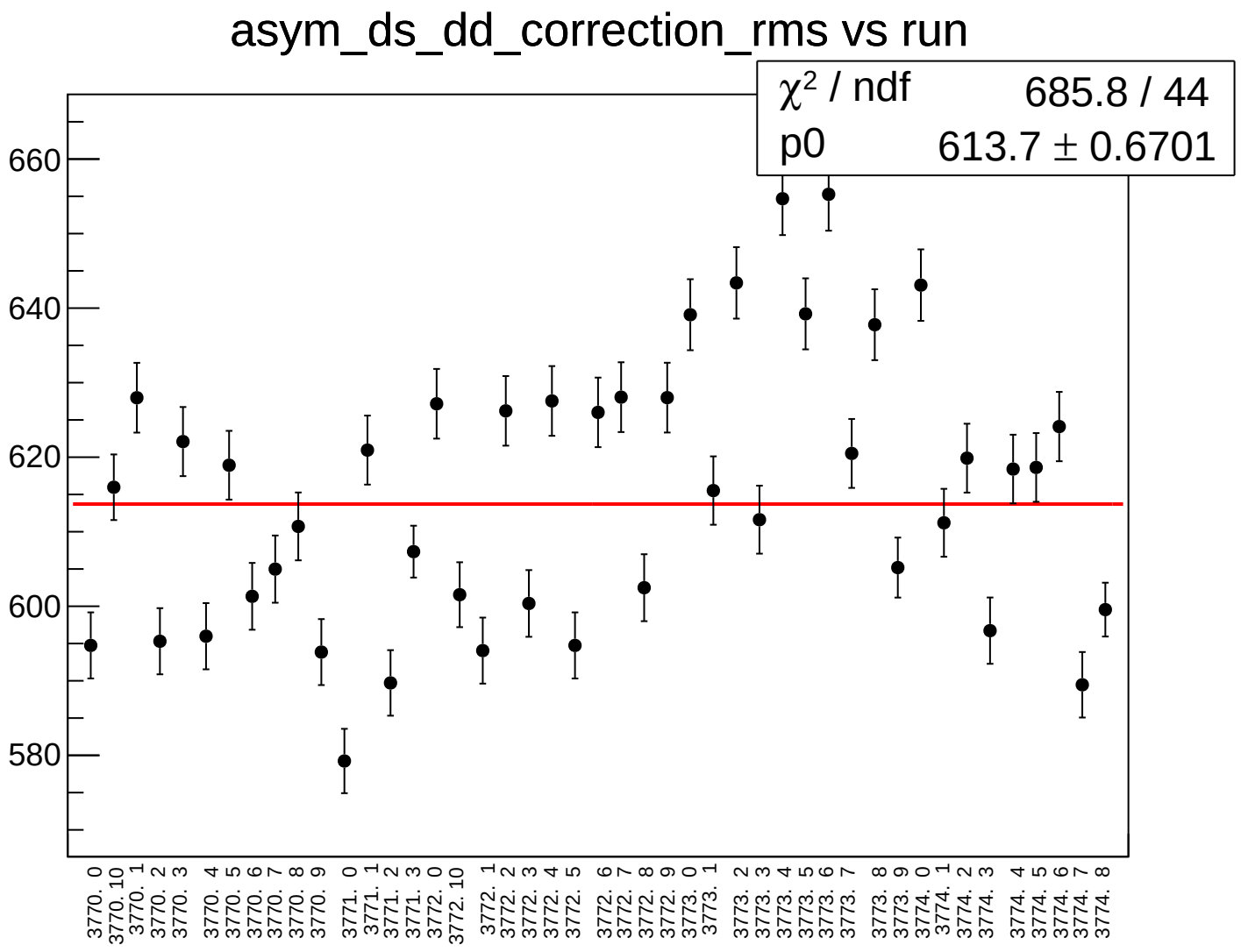

reg_asym_ds_dd_mean vs run
χ² / ndf 48.44 / 44
p0 −41.87 ± 145.7
4000
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −215
Std Dev 233.4
2
1
0
−1
−2

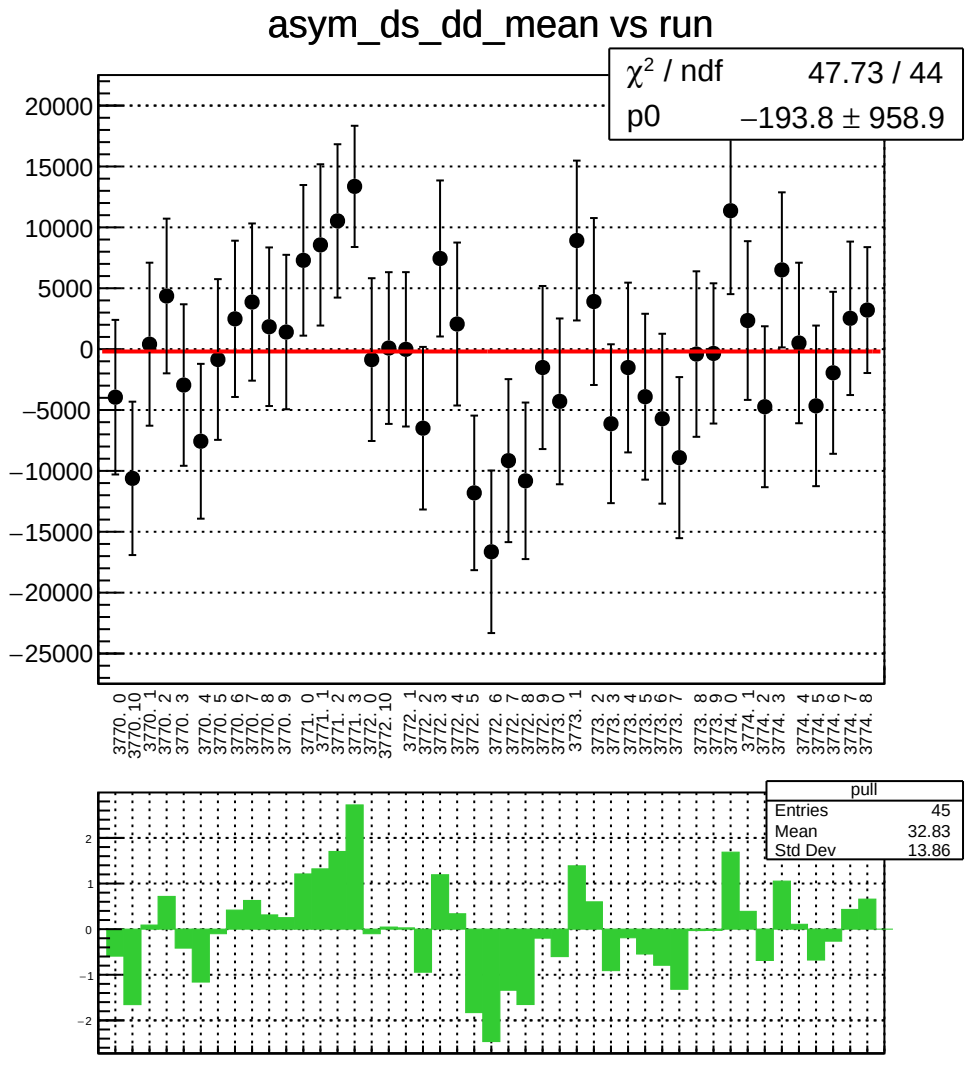

pull1D
Entries 45
Mean 0.002373
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

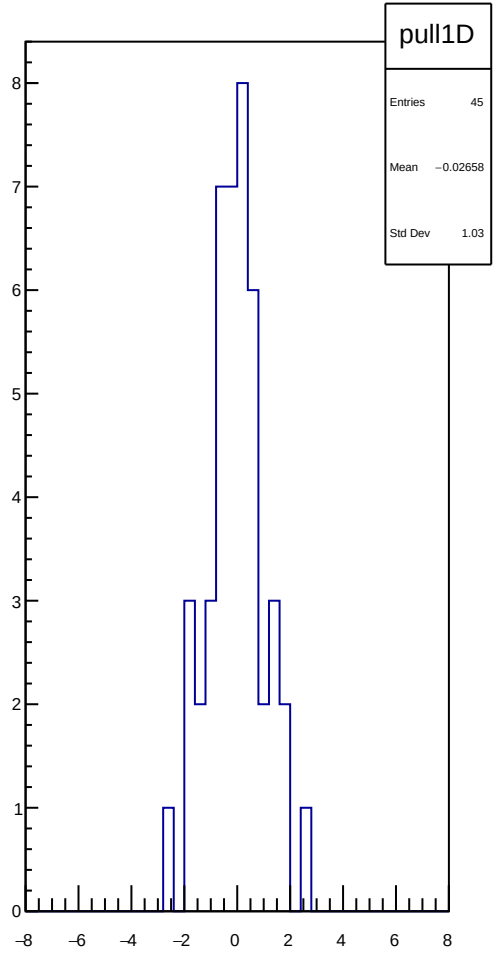

reg_asym_ds_dd_rms vs run
χ² / ndf 106 / 44
p0 94.4 ± 0.103
100
99
98
97
96
95
94
93
92
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

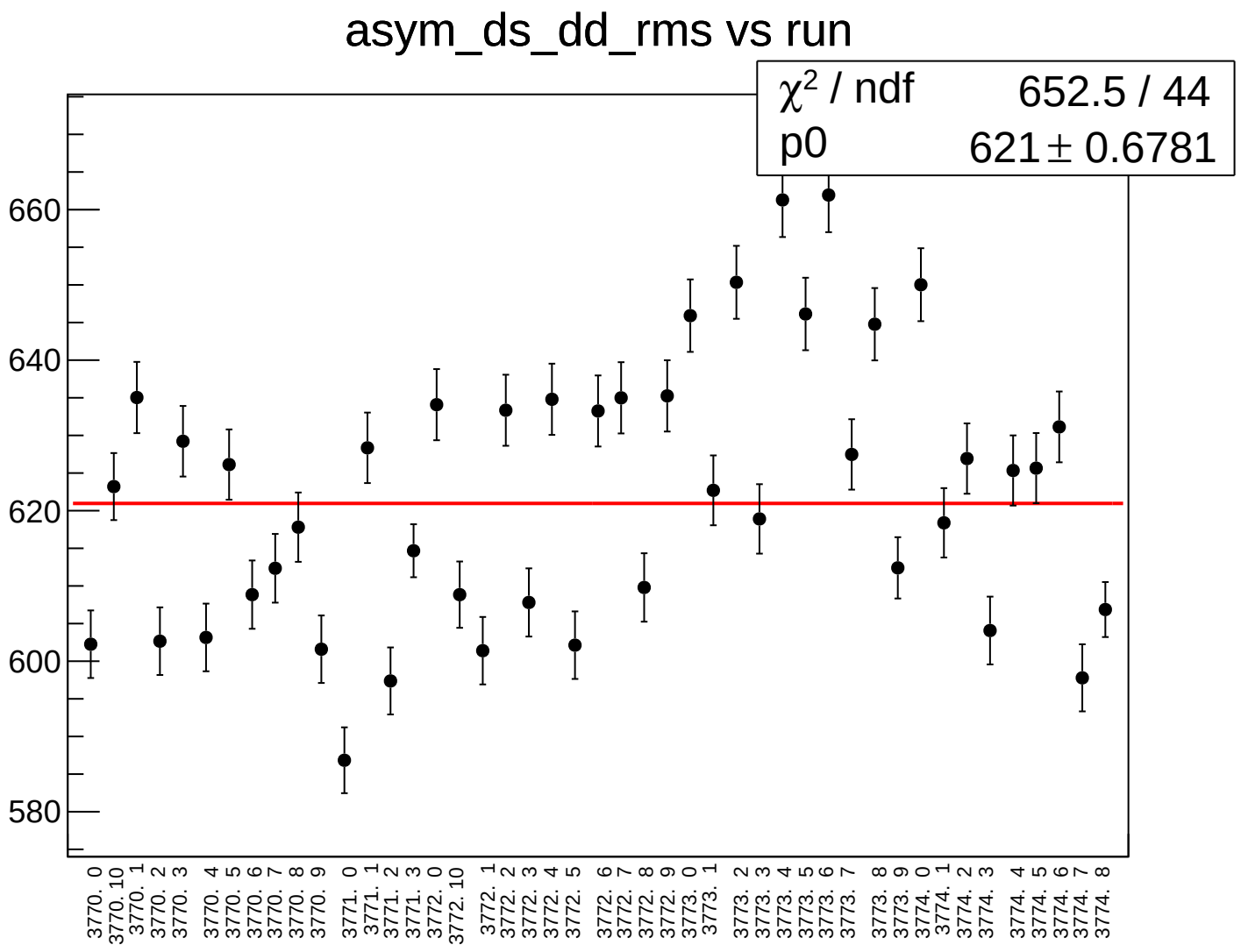

asym_ds_dd_correction_mean vs run
χ² / ndf 46.85 / 44
p0 152 ± 947.7
20000
10000
0
−10000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 29.75
Std Dev 10.17
2
1
0
−1
−2
−3

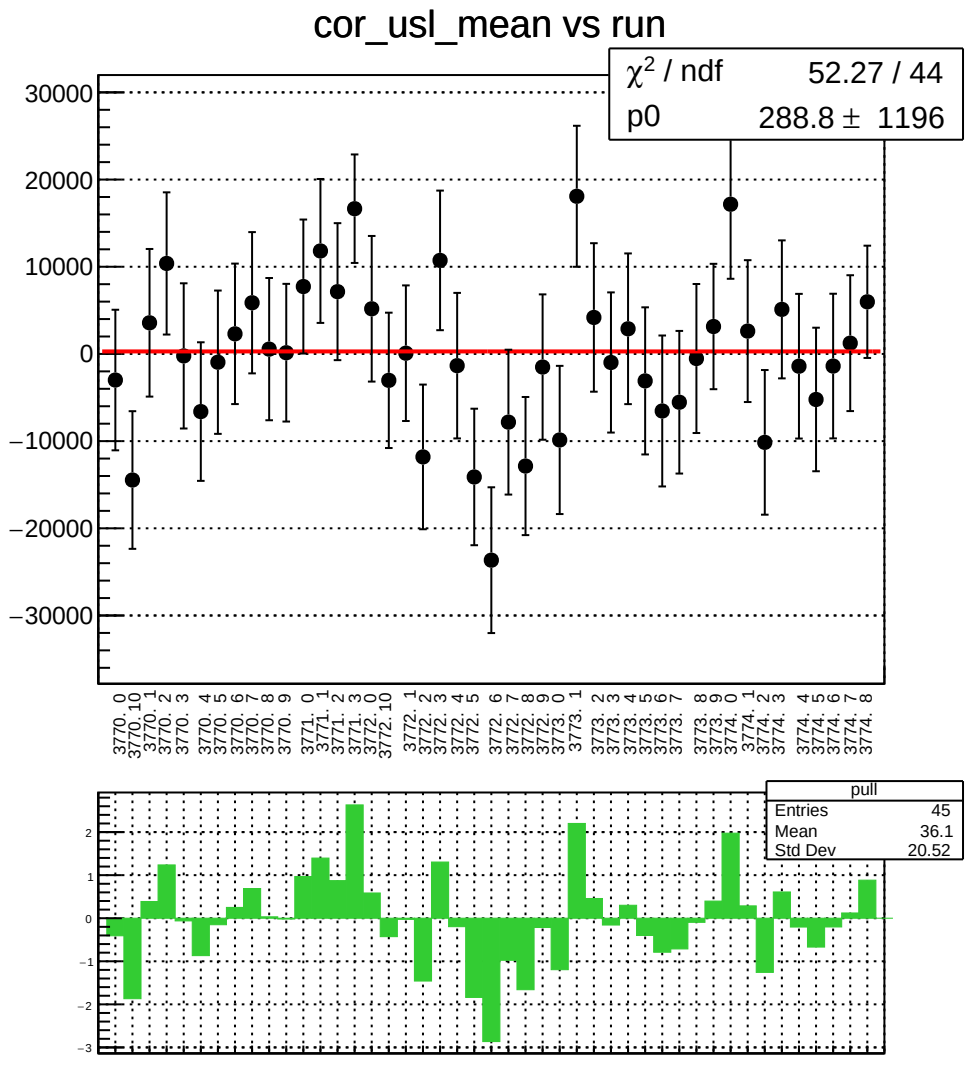

pull1D
Entries 45
Mean 0.02726
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

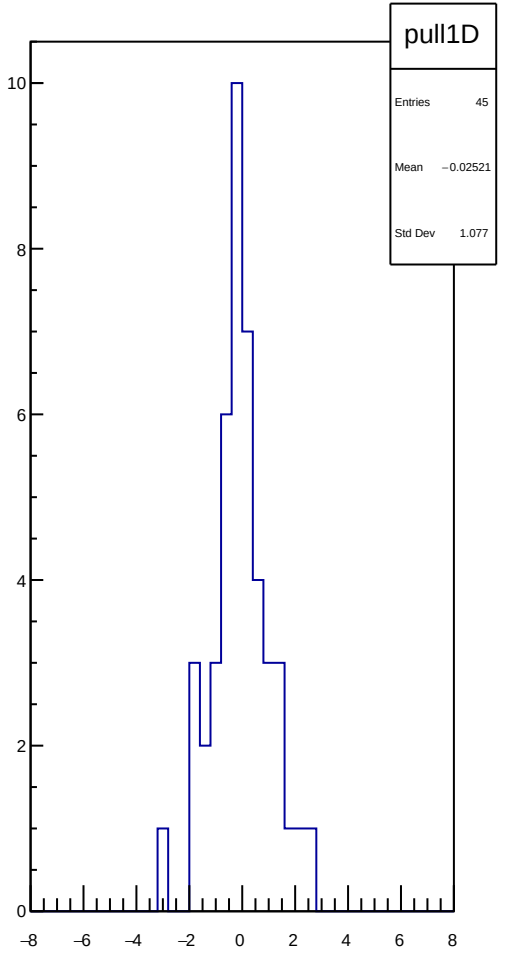

asym_ds_dd_correction_rms vs run
χ² / ndf 685.8 / 44
p0 613.7 ± 0.6701
660
640
620
600
580
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

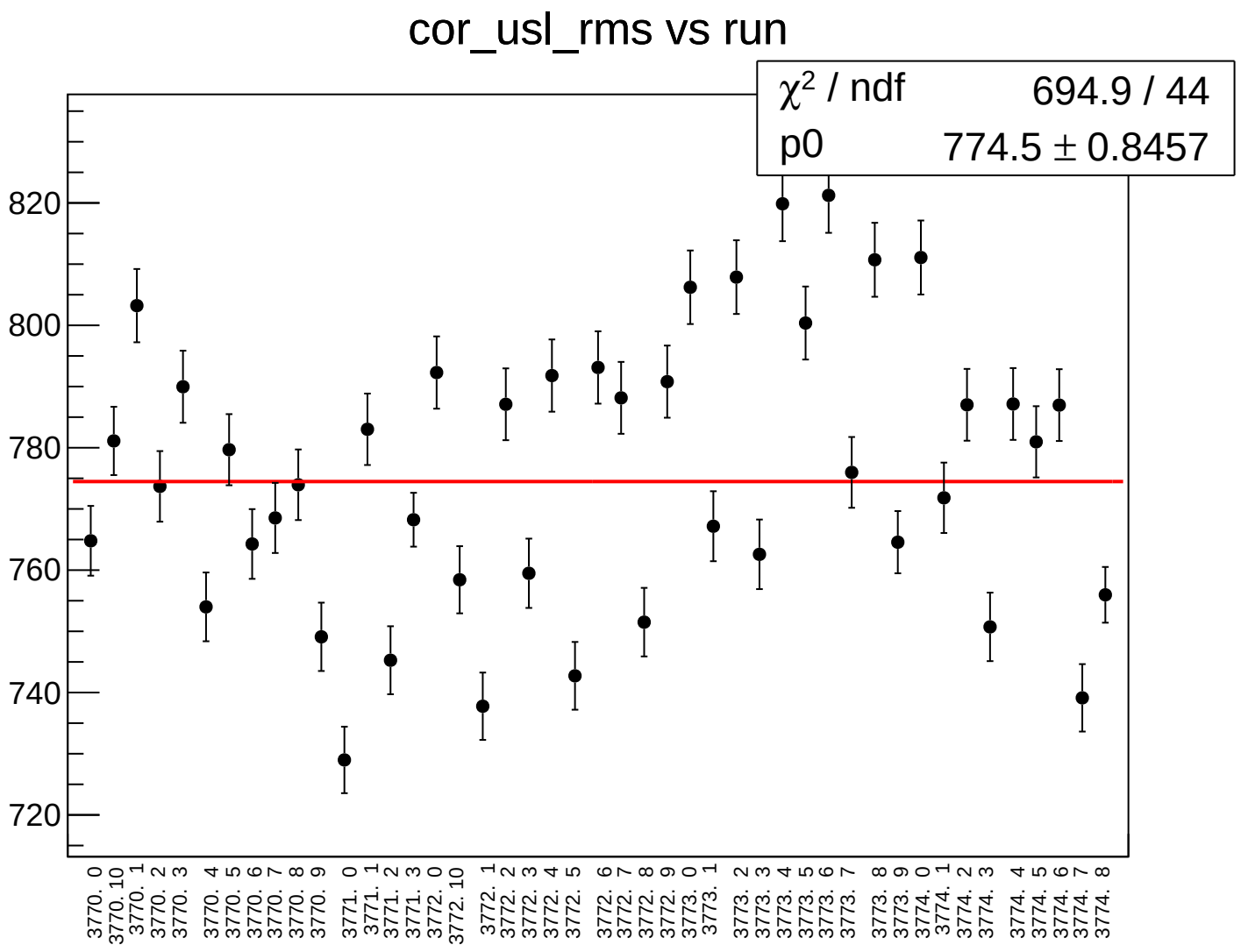

asym_ds_dd_mean vs run
χ² / ndf 47.73 / 44
p0 −193.8 ± 958.9
pull
Entries 45
Mean 32.83
Std Dev 13.86

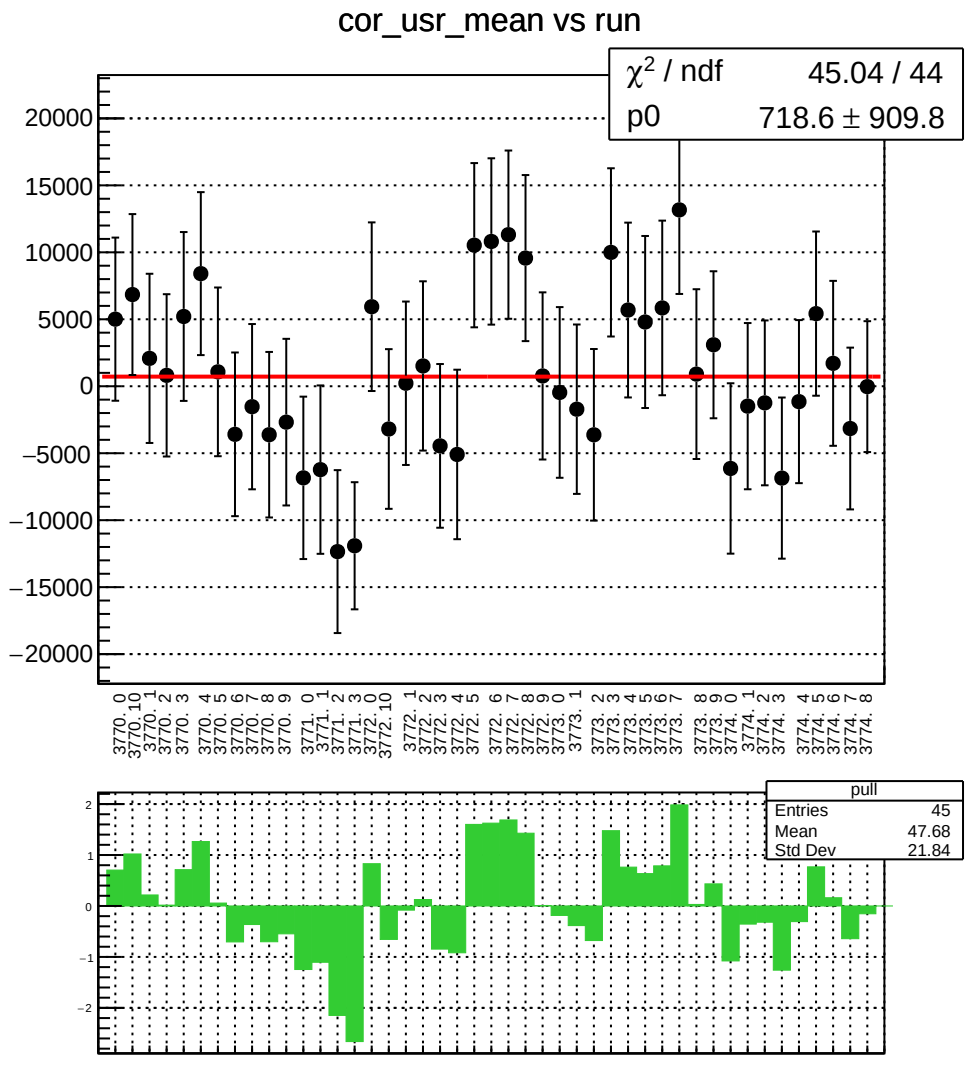

pull1D
Entries 45
Mean −0.02658
Std Dev 1.03

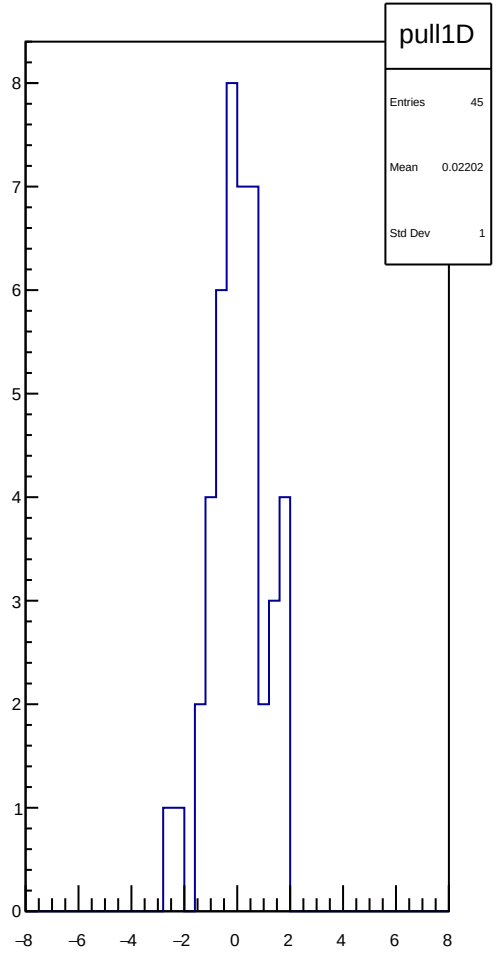

asym_ds_dd_rms vs run
χ² / ndf 652.5 / 44
p0 621 ± 0.6781
660
640
620
600
580
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

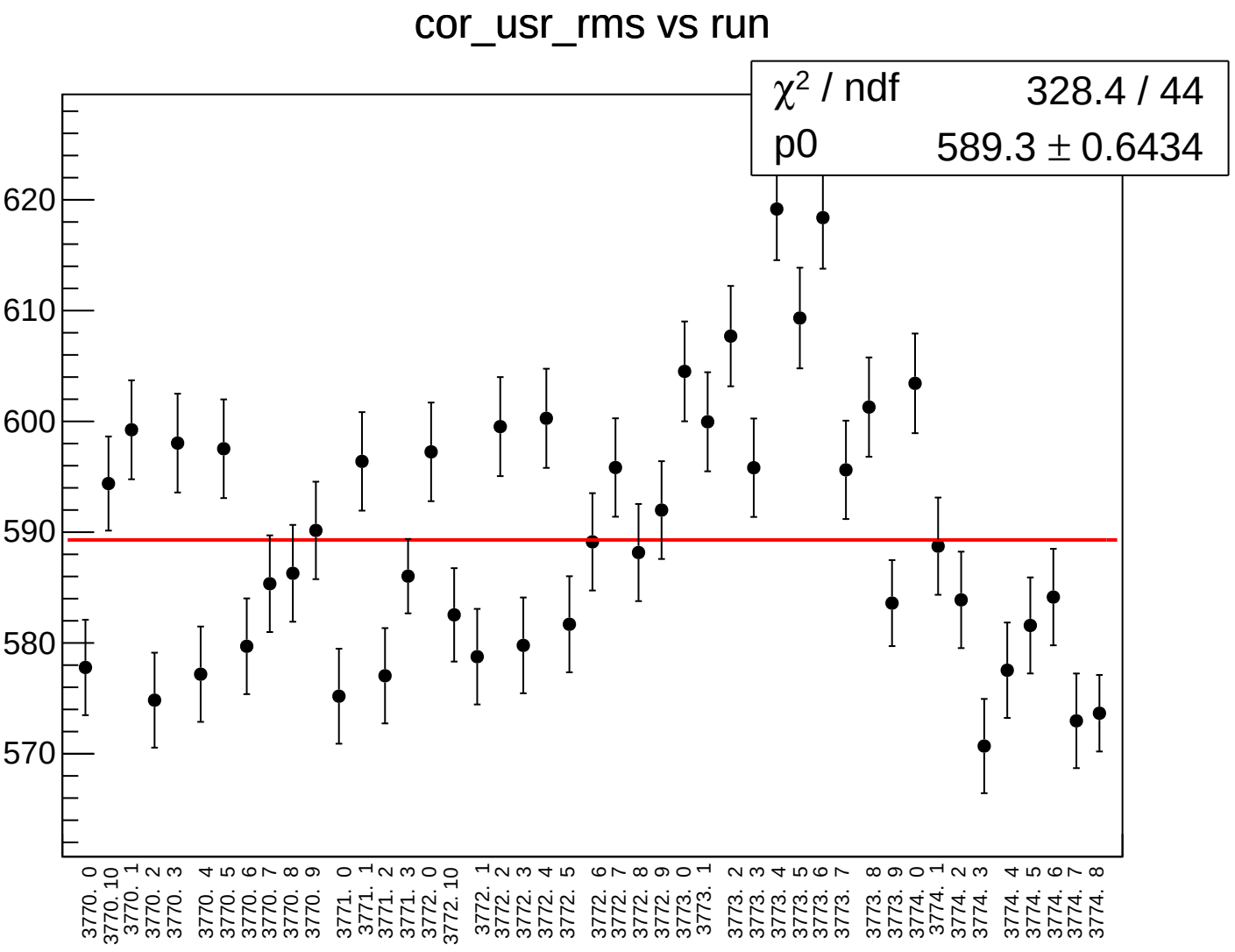

cor_usl_mean vs run
χ² / ndf 52.27 / 44
p0 288.8 ± 1196
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 36.1
Std Dev 20.52
2
1
0
−1
−2
−3

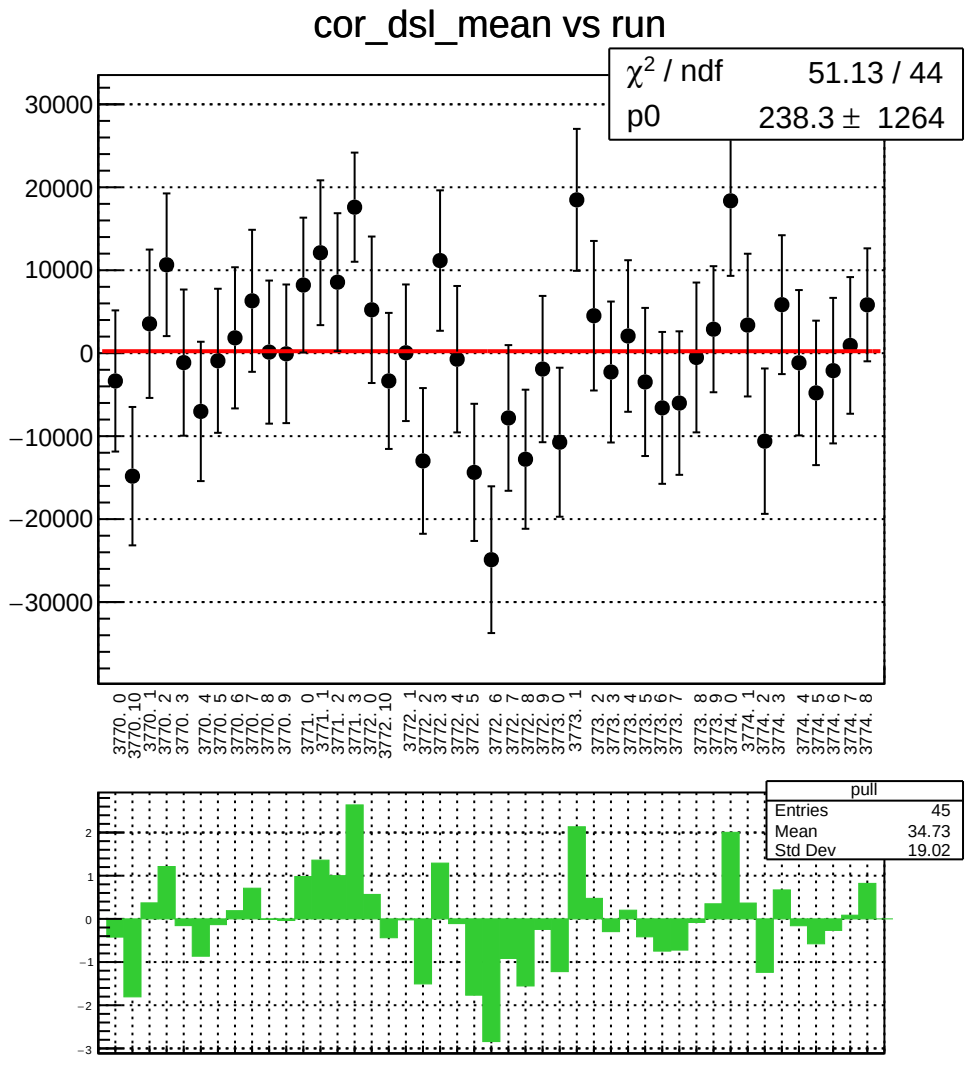

pull1D
Entries 45
Mean −0.02521
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

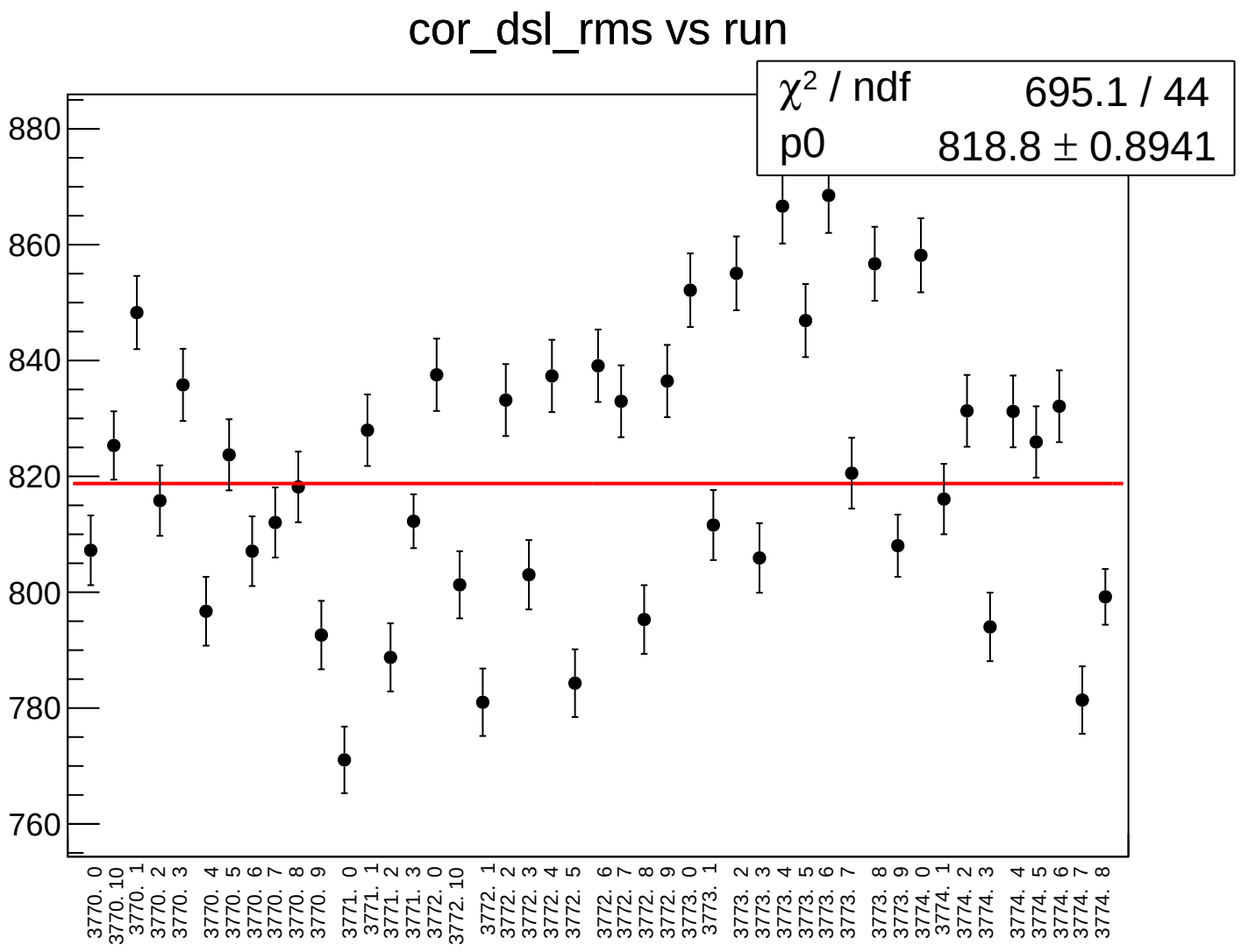

cor_usl_rms vs run
χ² / ndf 694.9 / 44
p0 774.5 ± 0.8457
820
800
780
760
740
720
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

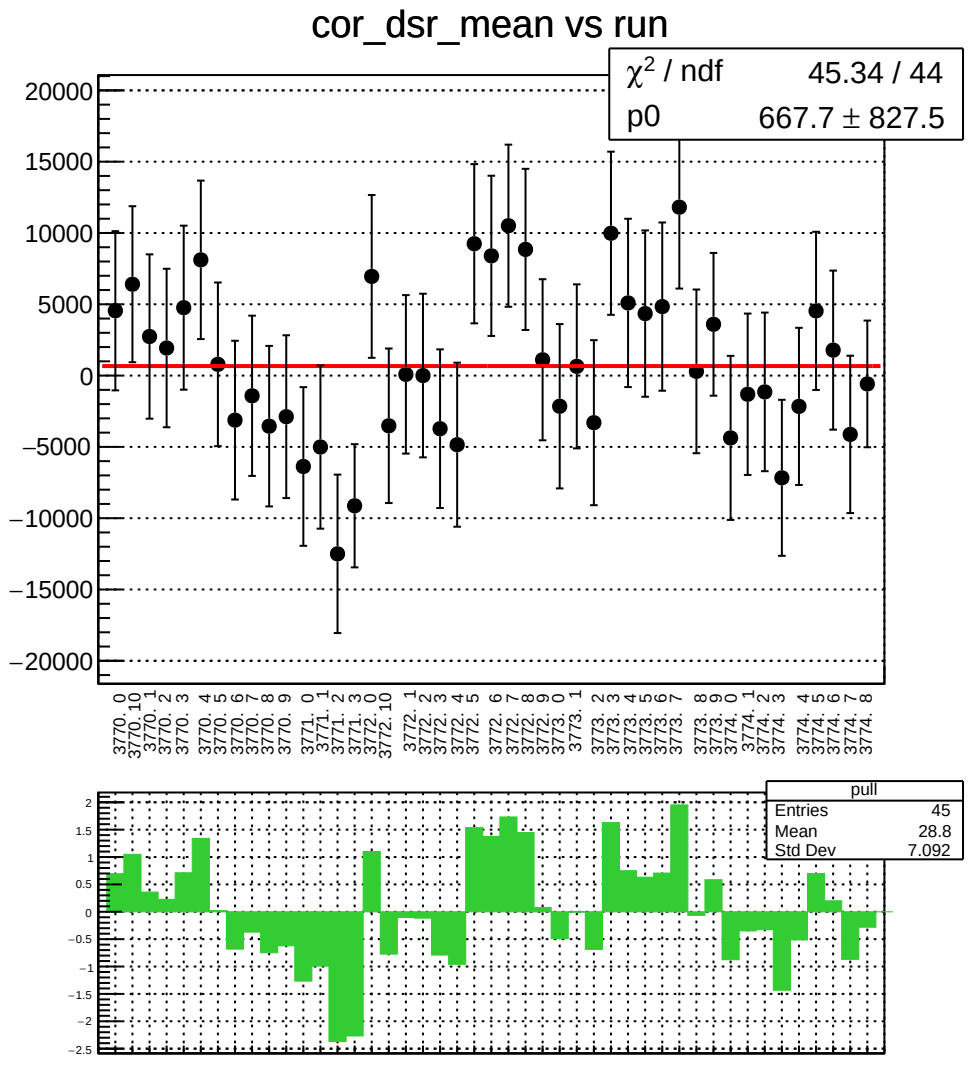

cor_usr_mean vs run
χ² / ndf 45.04 / 44
p0 718.6 ± 909.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 47.68
Std Dev 21.84
2
1
0
−1
−2

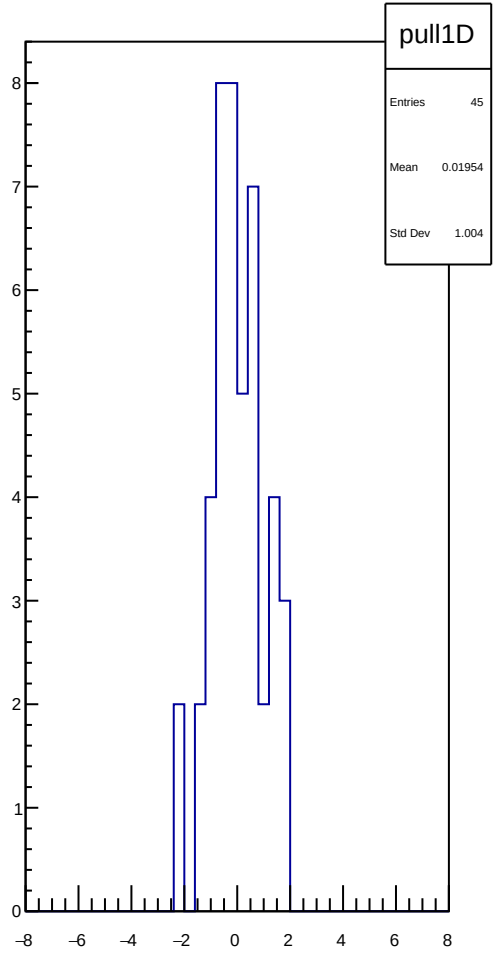

pull1D
Entries 45
Mean 0.02202
Std Dev 1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

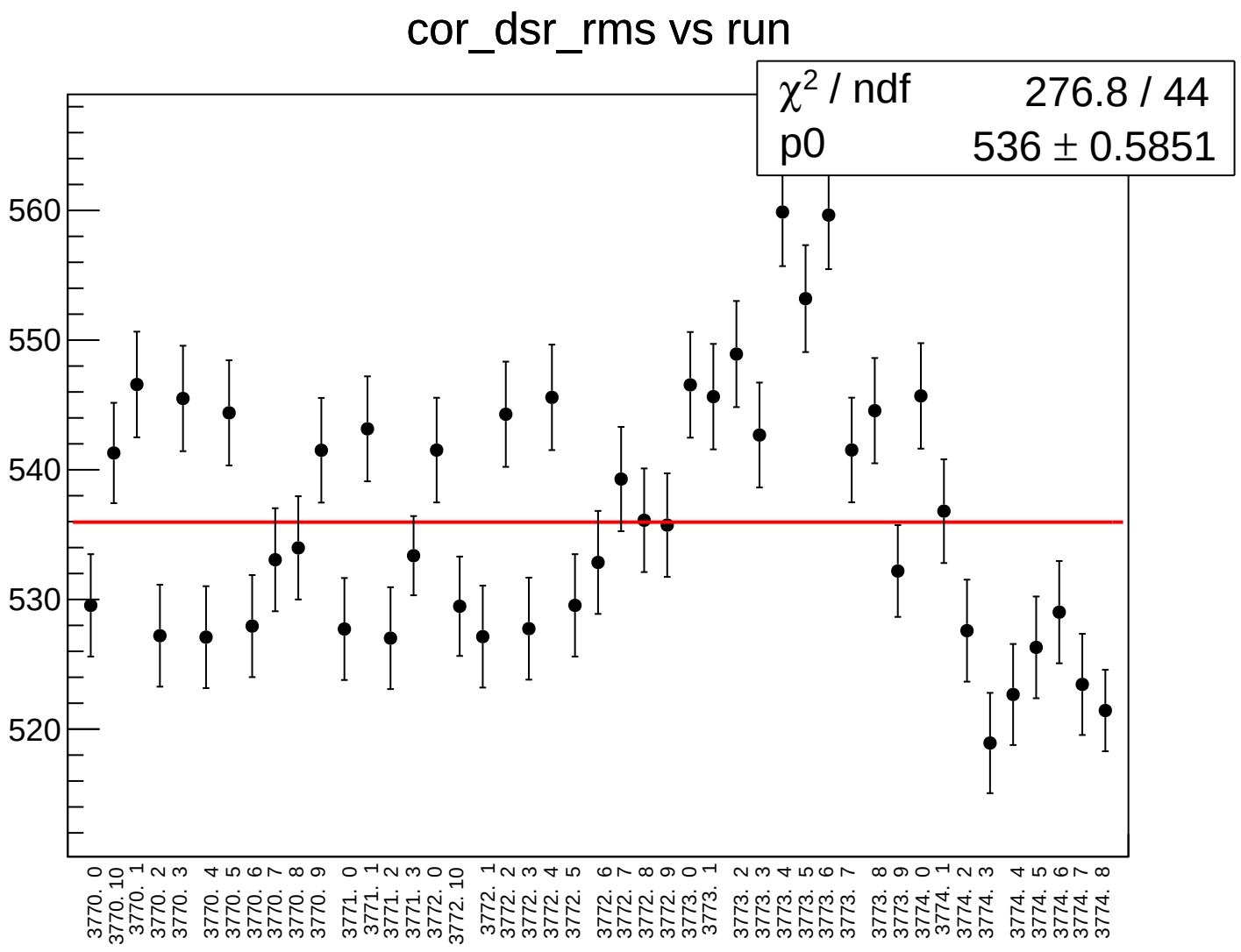

cor_usr_rms vs run
χ² / ndf 328.4 / 44
p0 589.3 ± 0.6434
620
610
600
590
580
570
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

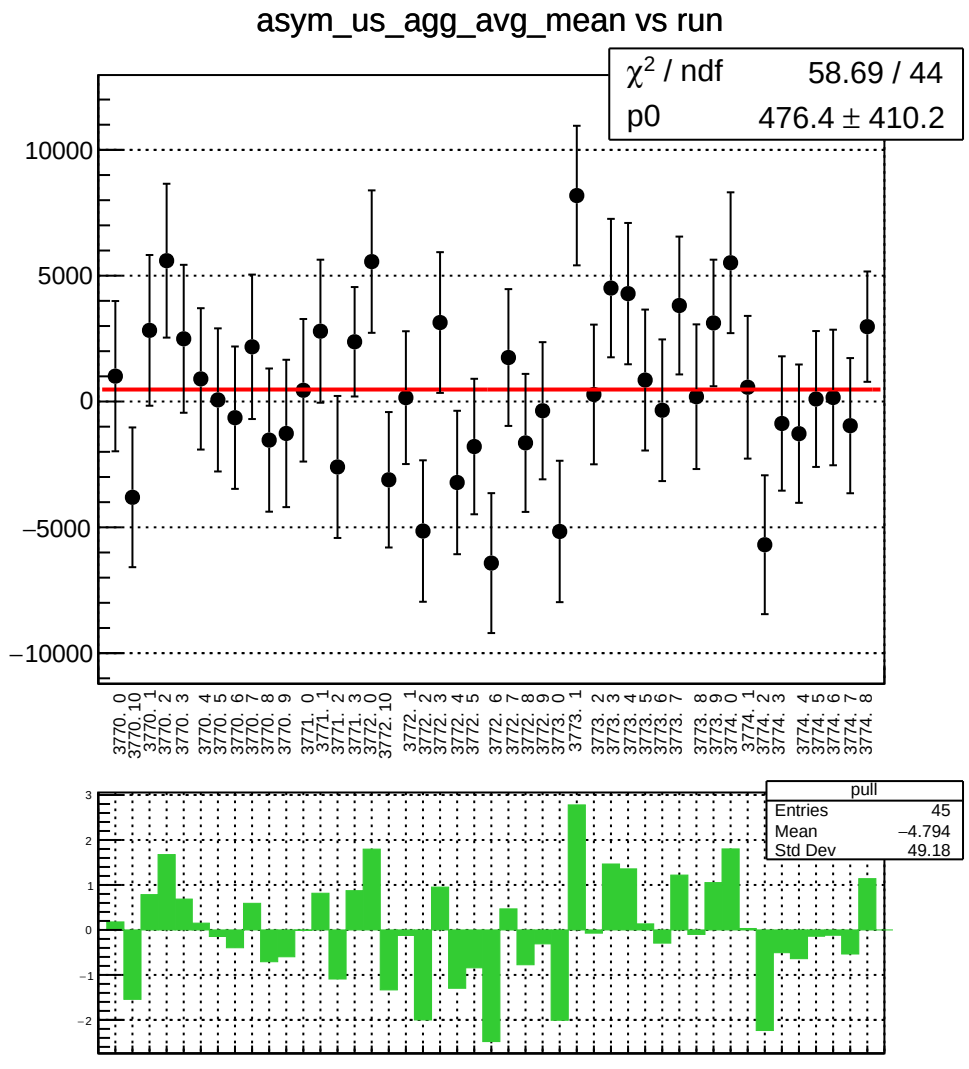

cor_dsl_mean vs run
χ² / ndf 51.13 / 44
p0 238.3 ± 1264
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 34.73
Std Dev 19.02
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.02499
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

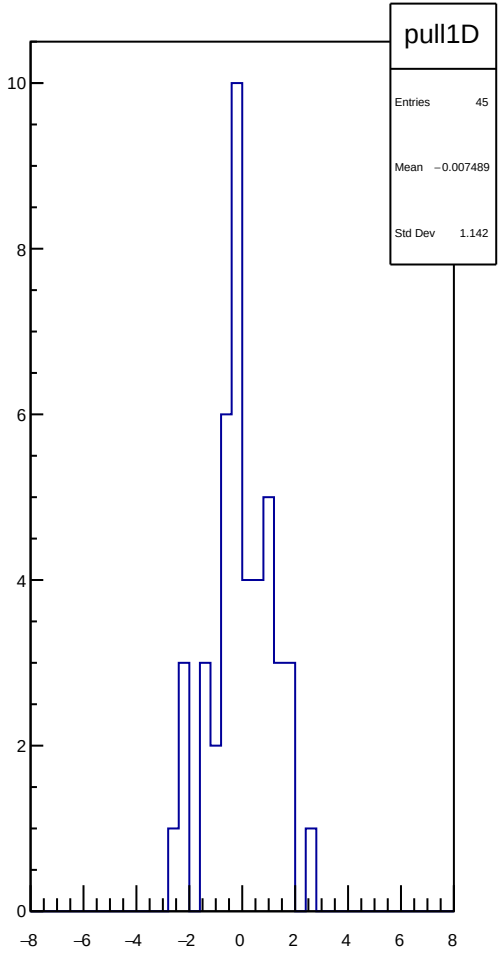

cor_dsl_rms vs run
χ² / ndf 695.1 / 44
p0 818.8 ± 0.8941
880
860
840
820
800
780
760
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

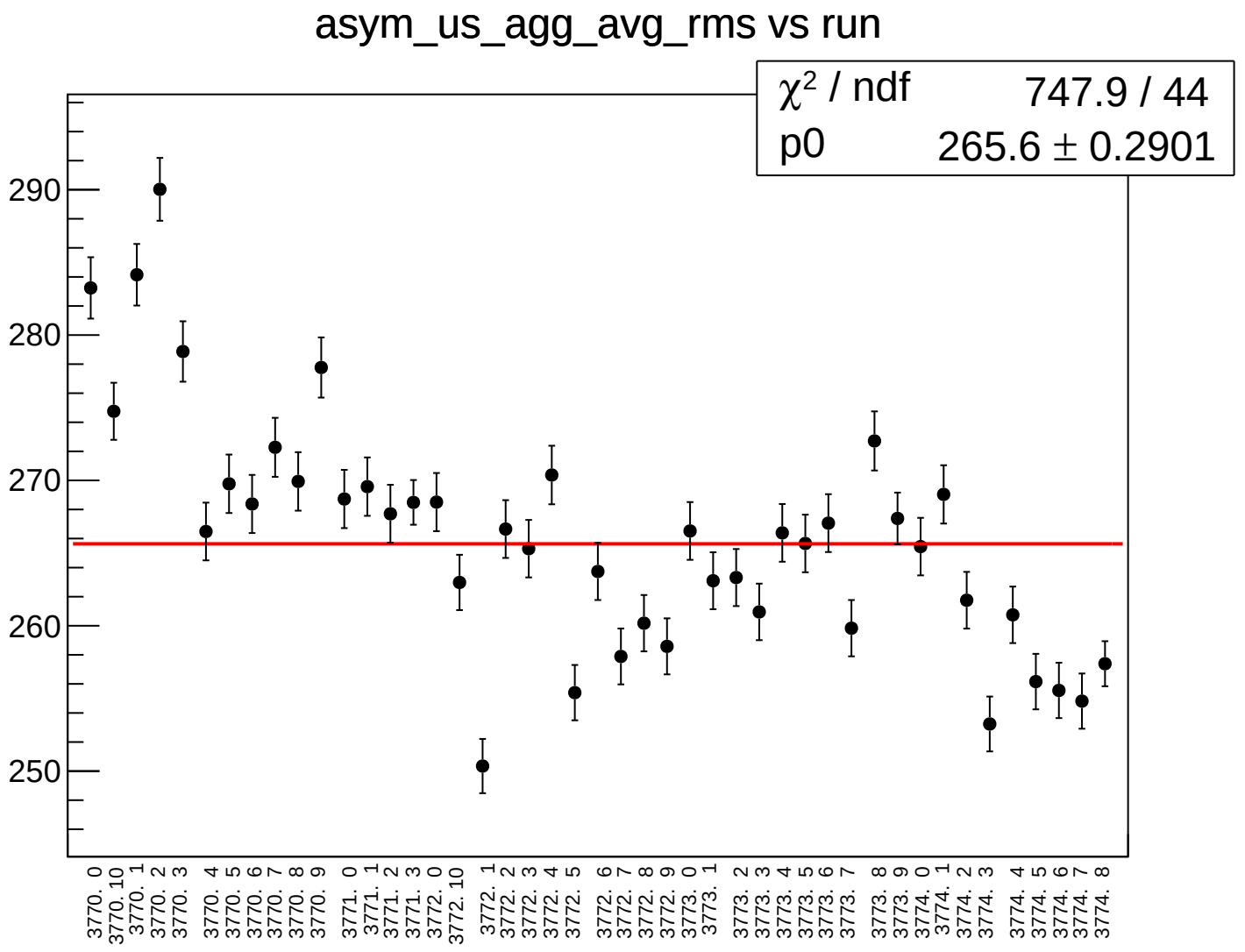

cor_dsr_mean vs run
χ^2 / ndf 45.34 / 44
p0 667.7 ± 827.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 28.8
Std Dev 7.092
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 45
Mean 0.01954
Std Dev 1.004
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_dsr_rms vs run
χ² / ndf 276.8 / 44
p0 536 ± 0.5851
560
550
540
530
520
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_us_agg_avg_mean vs run
χ² / ndf 58.69 / 44
p0 476.4 ± 410.2
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −4.794
Std Dev 49.18
3
2
1
0
−1
−2


pull1D
Entries 45
Mean −0.007489
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_agg_avg_rms vs run
χ² / ndf 747.9 / 44
p0 265.6 ± 0.2901
290
280
270
260
250
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
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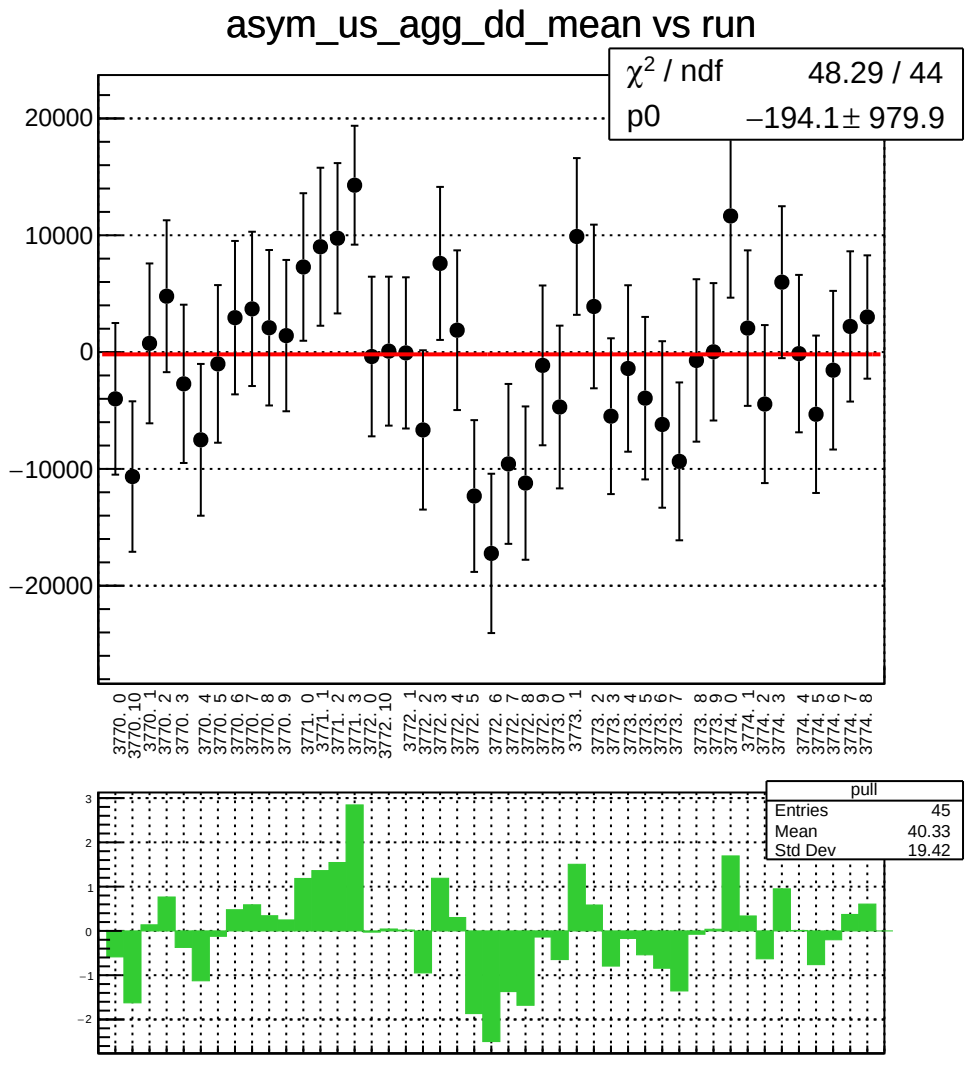
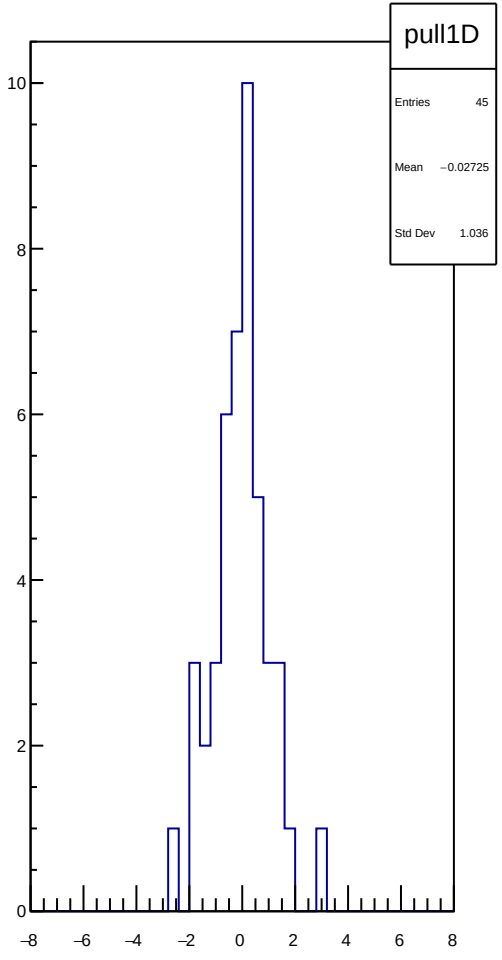
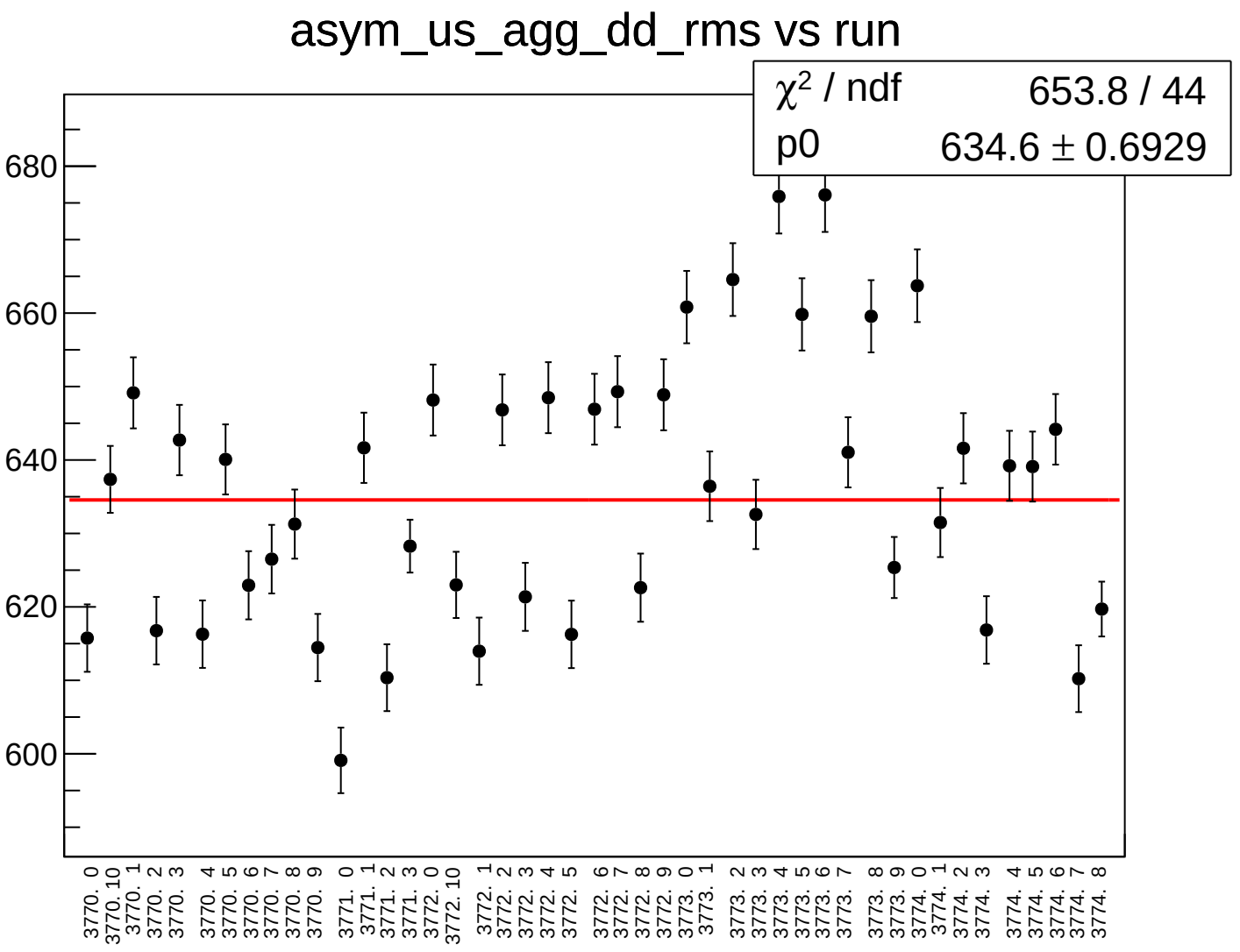
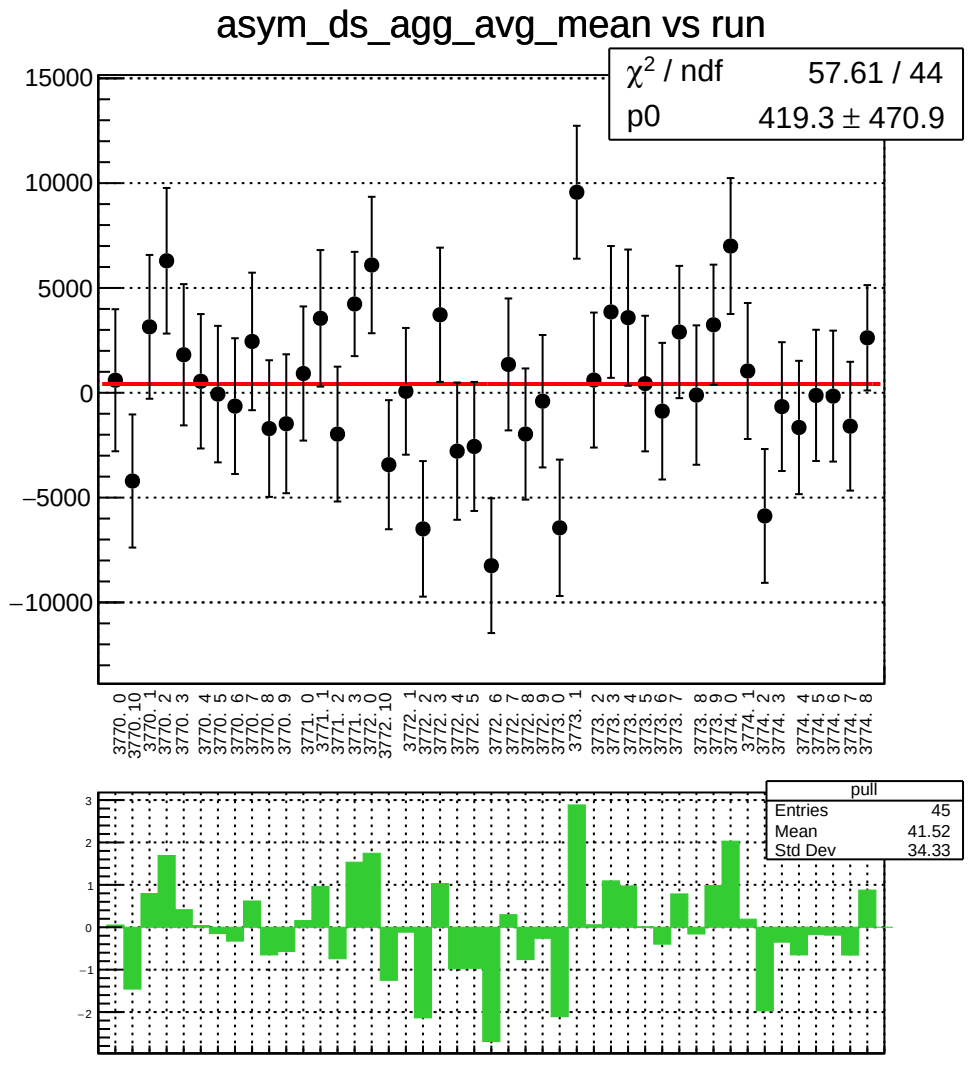
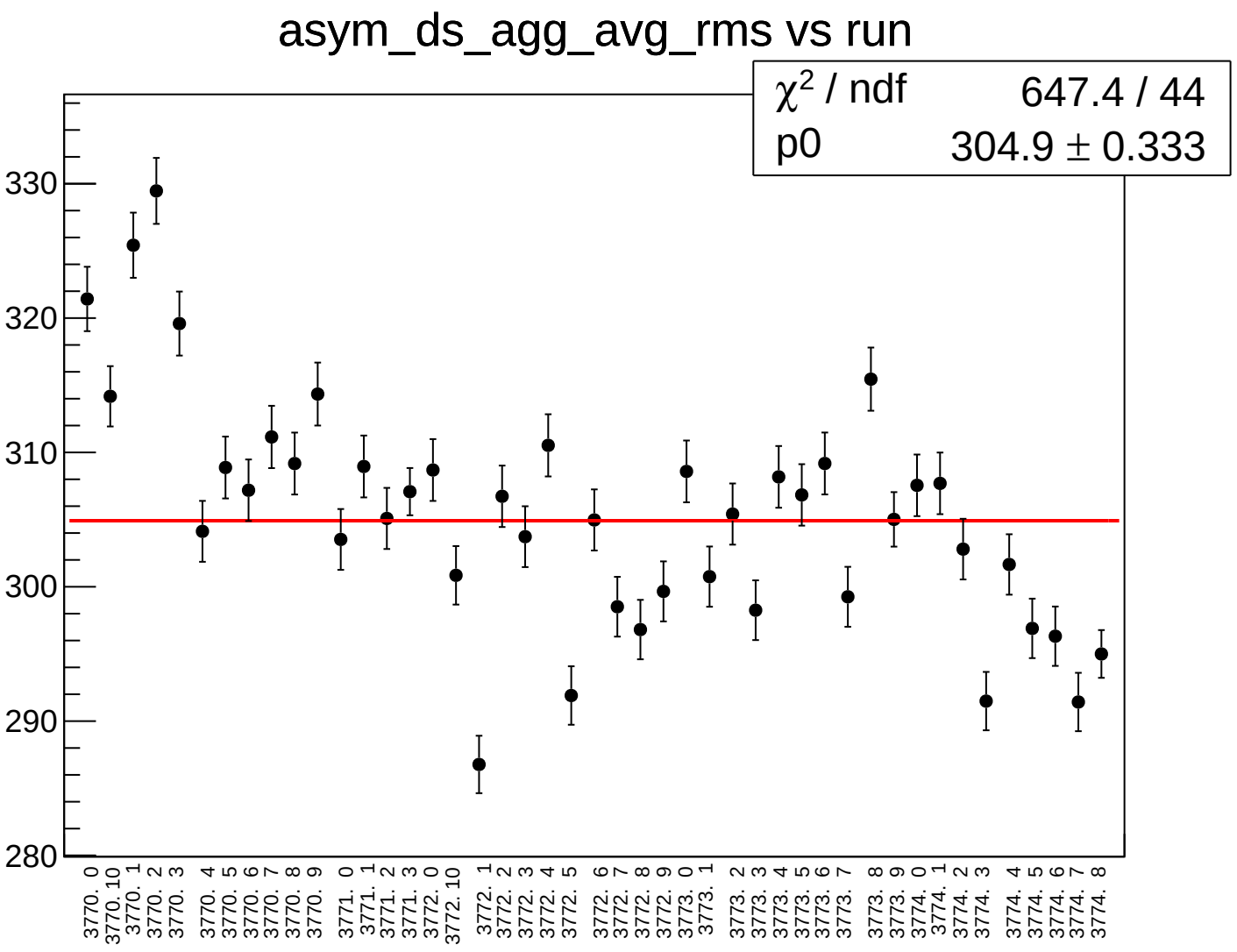
3774. 7
3774. 8

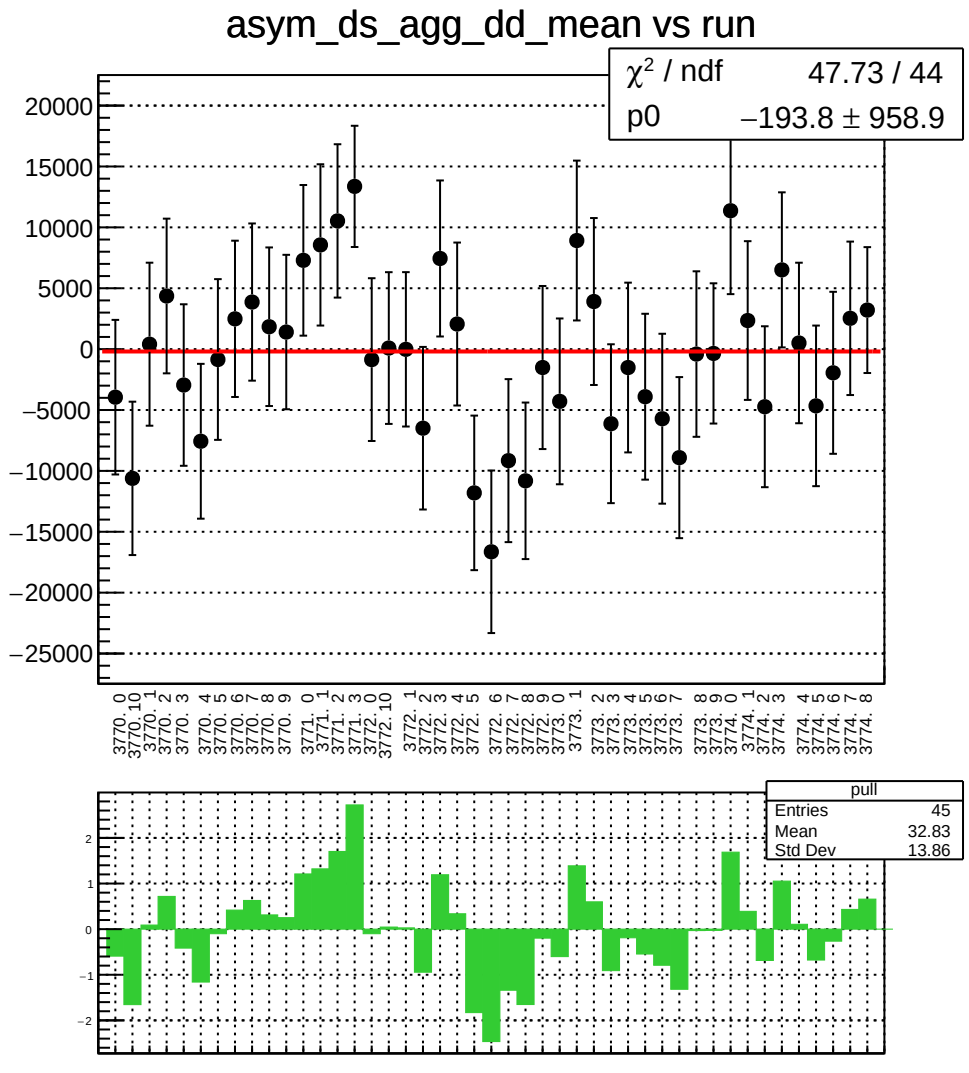

asym_us_agg_dd_mean vs run
χ² / ndf 48.29 / 44
p0 −194.1± 979.9
20000
10000
0
−10000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 40.33
Std Dev 19.42
3
2
1
0
−1
−2

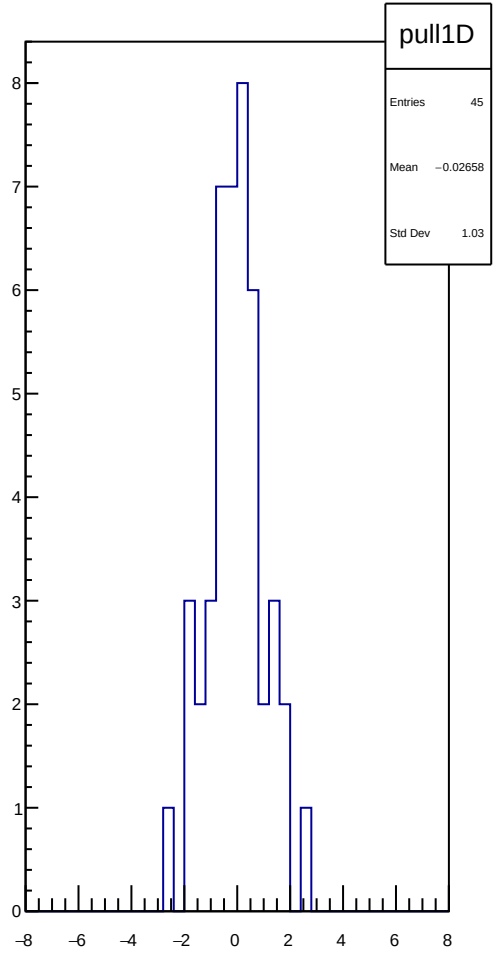

pull1D
Entries 45
Mean −0.02725
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

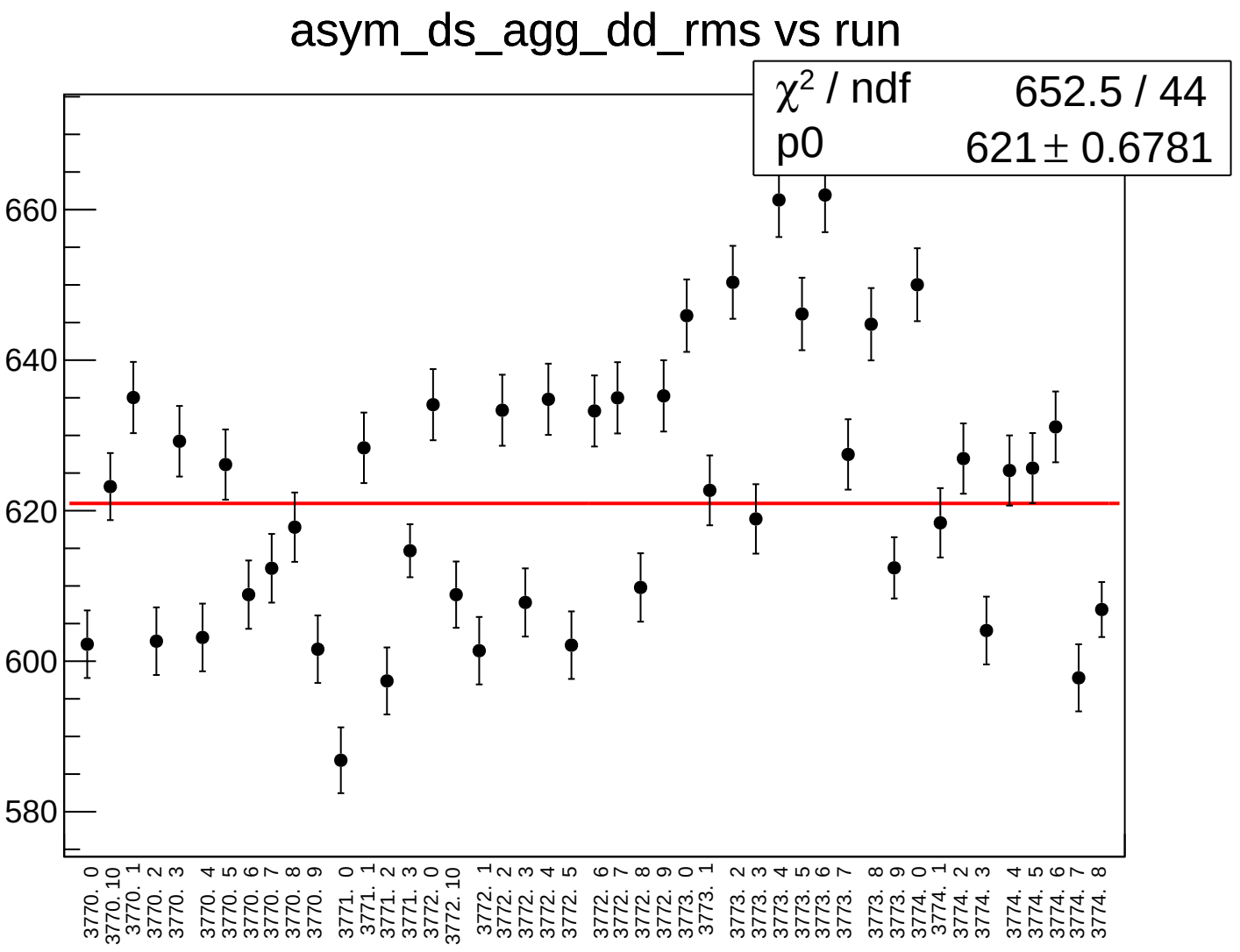

asym_us_agg_dd_rms vs run
χ² / ndf 653.8 / 44
p0 634.6 ± 0.6929
680
660
640
620
600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_ds_agg_avg_mean vs run
χ² / ndf 57.61 / 44
p0 419.3 ± 470.9
15000
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 41.52
Std Dev 34.33
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.01111
Std Dev 1.131
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_agg_avg_rms vs run
χ^2 / ndf 647.4 / 44
p0 304.9 ± 0.333
330
320
310
300
290
280
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_ds_agg_dd_mean vs run
χ² / ndf 47.73 / 44
p0 −193.8 ± 958.9
pull
Entries 45
Mean 32.83
Std Dev 13.86


pull1D
Entries 45
Mean −0.02658
Std Dev 1.03


asym_ds_agg_dd_rms vs run
χ² / ndf 652.5 / 44
p0 621 ± 0.6781
660
640
620
600
580
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
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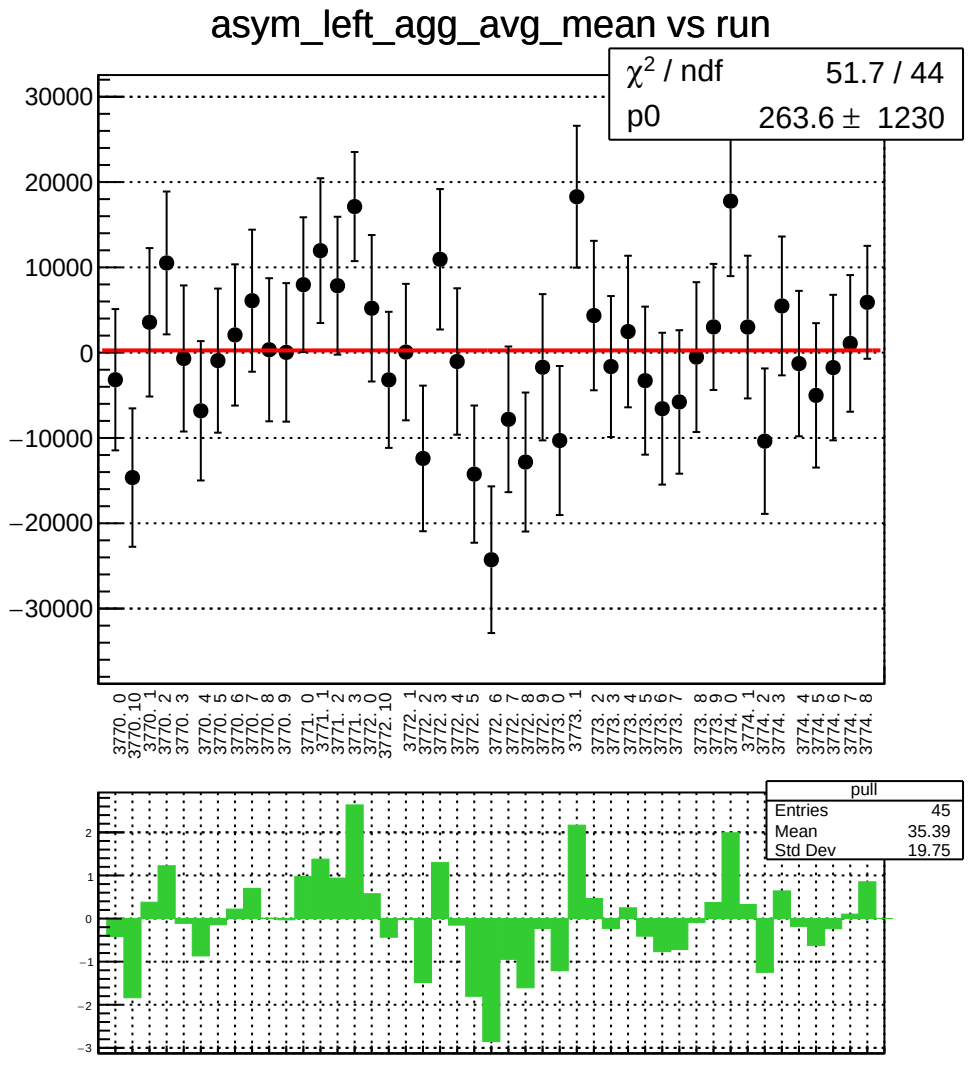
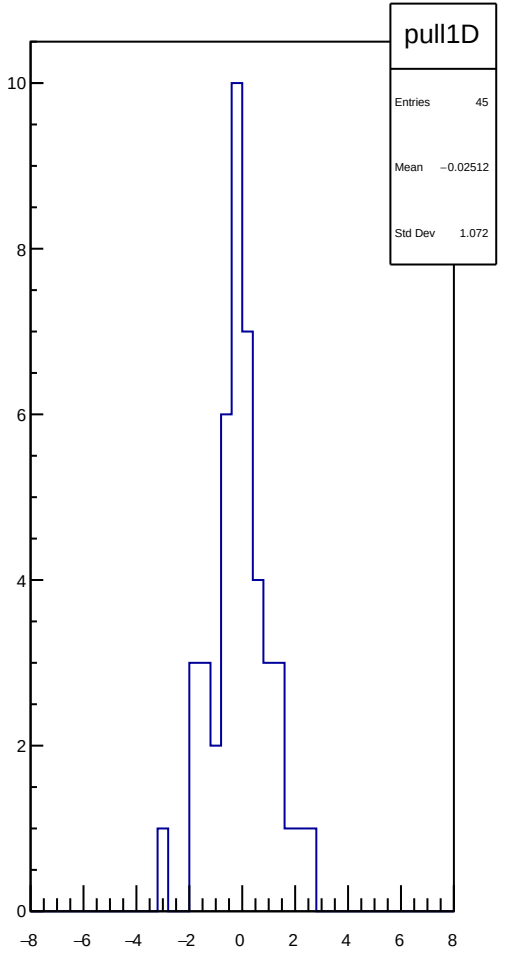
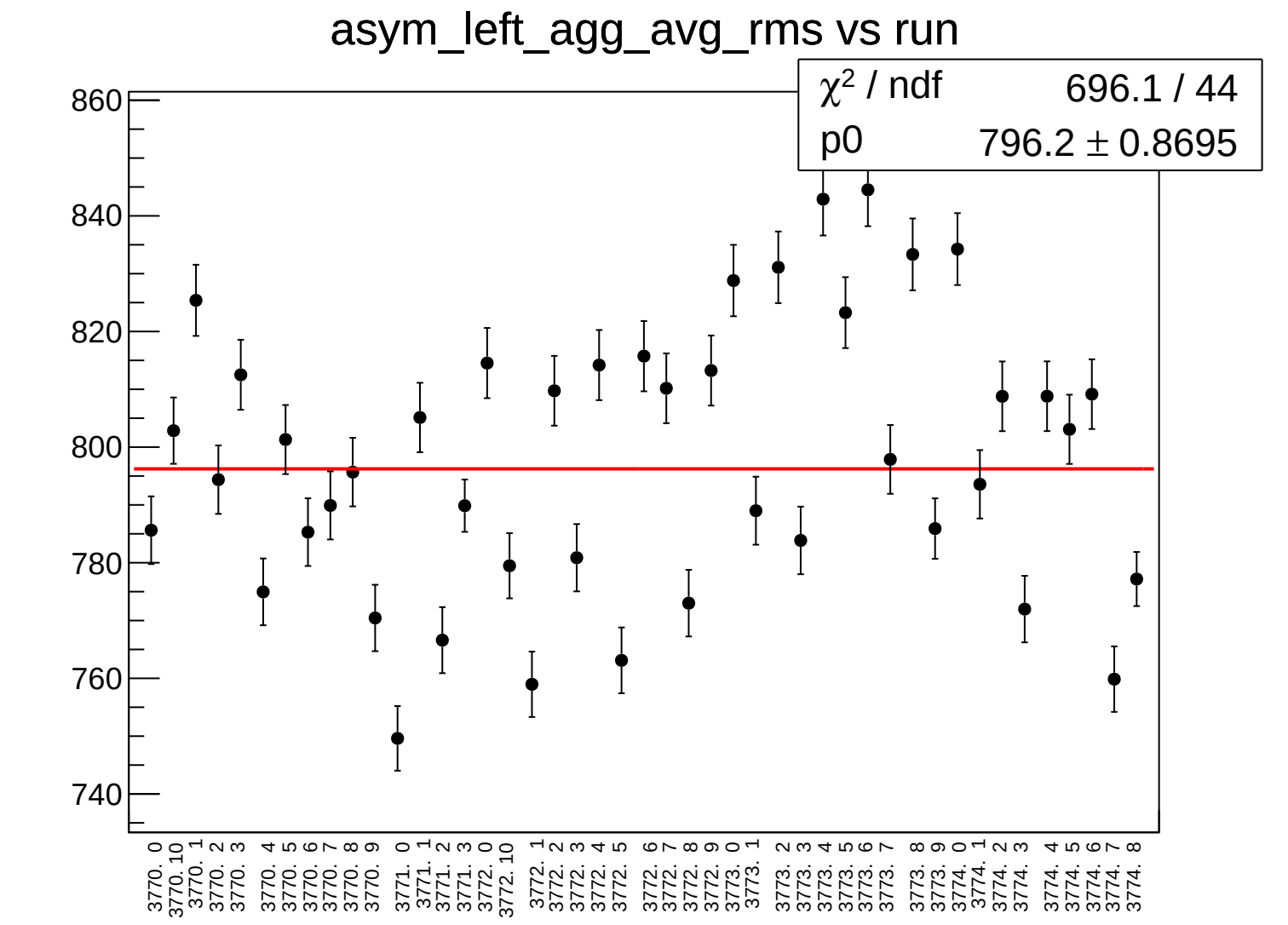
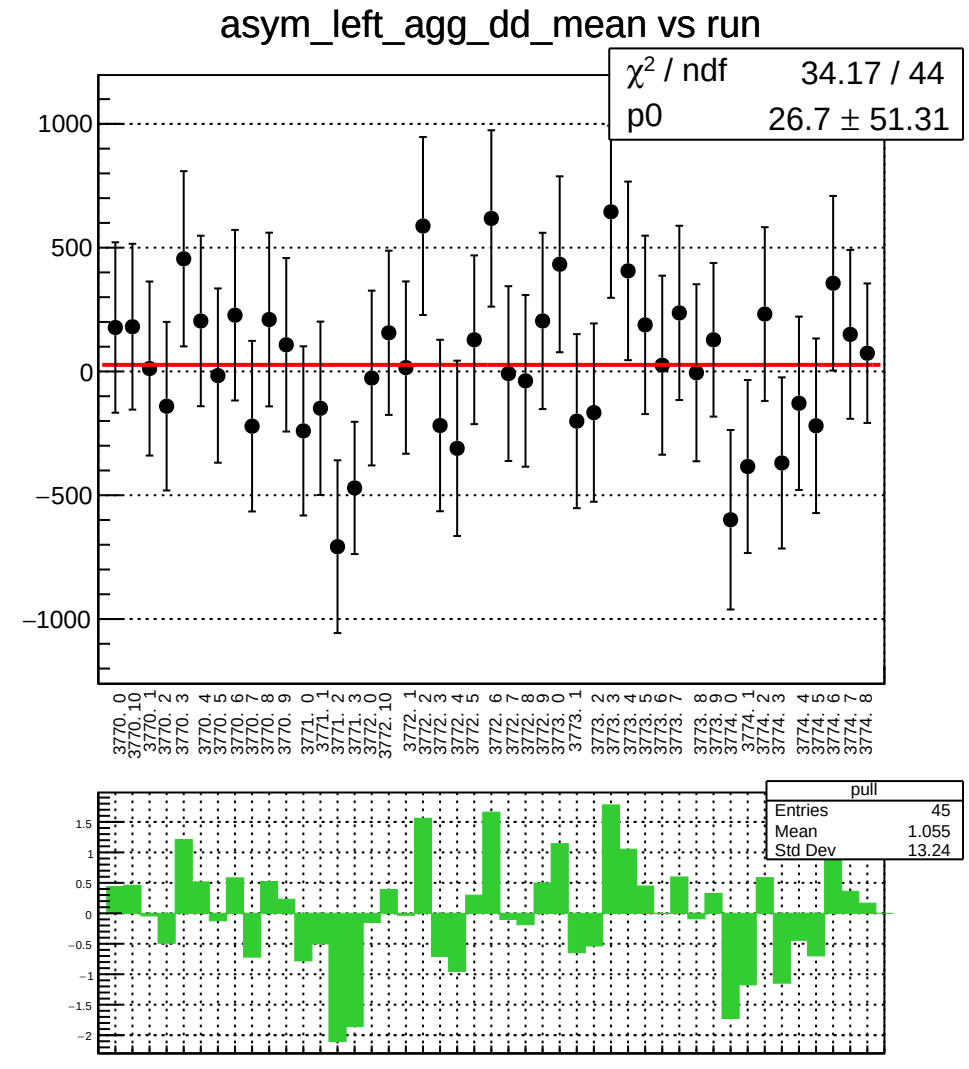
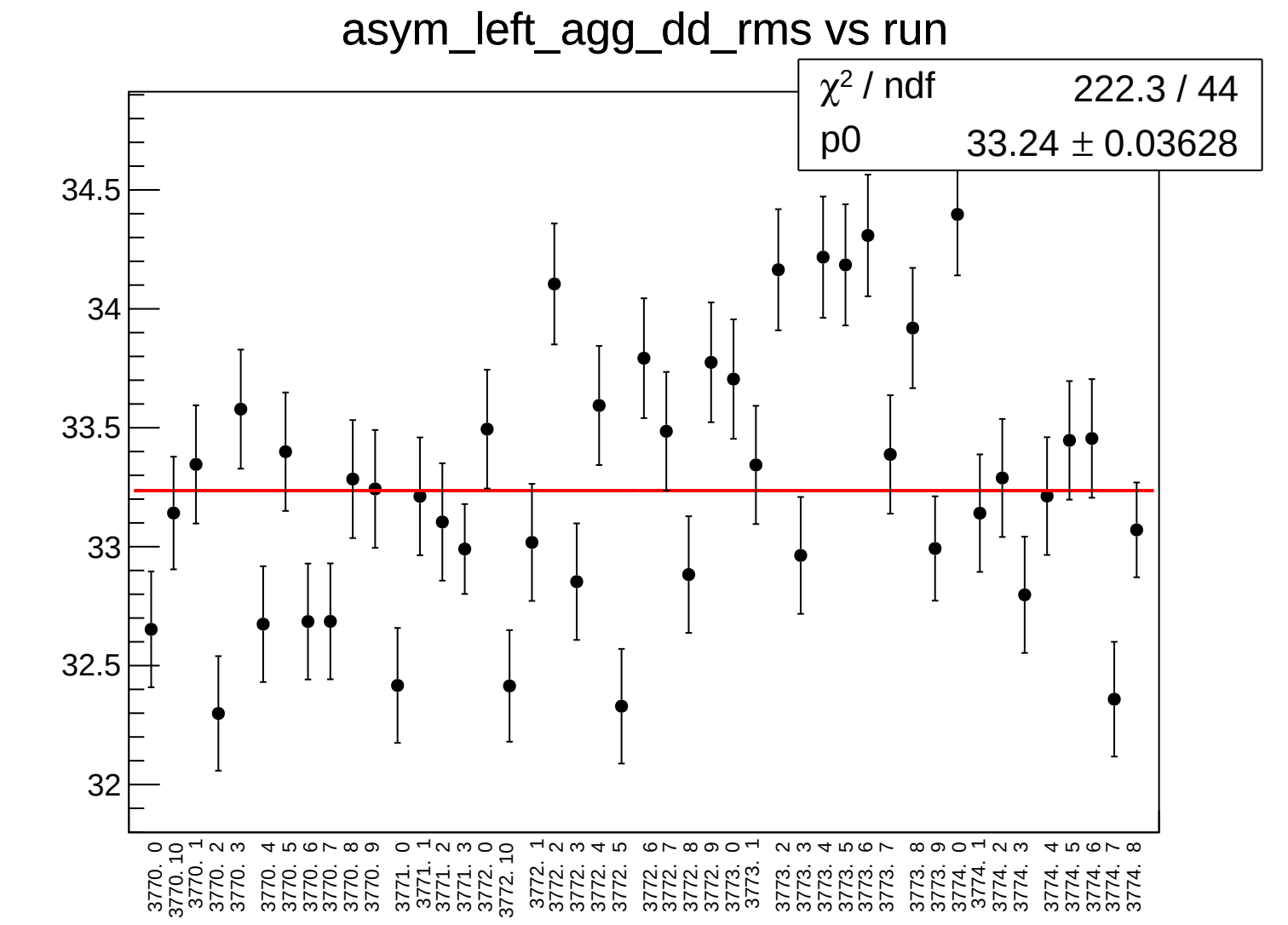
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

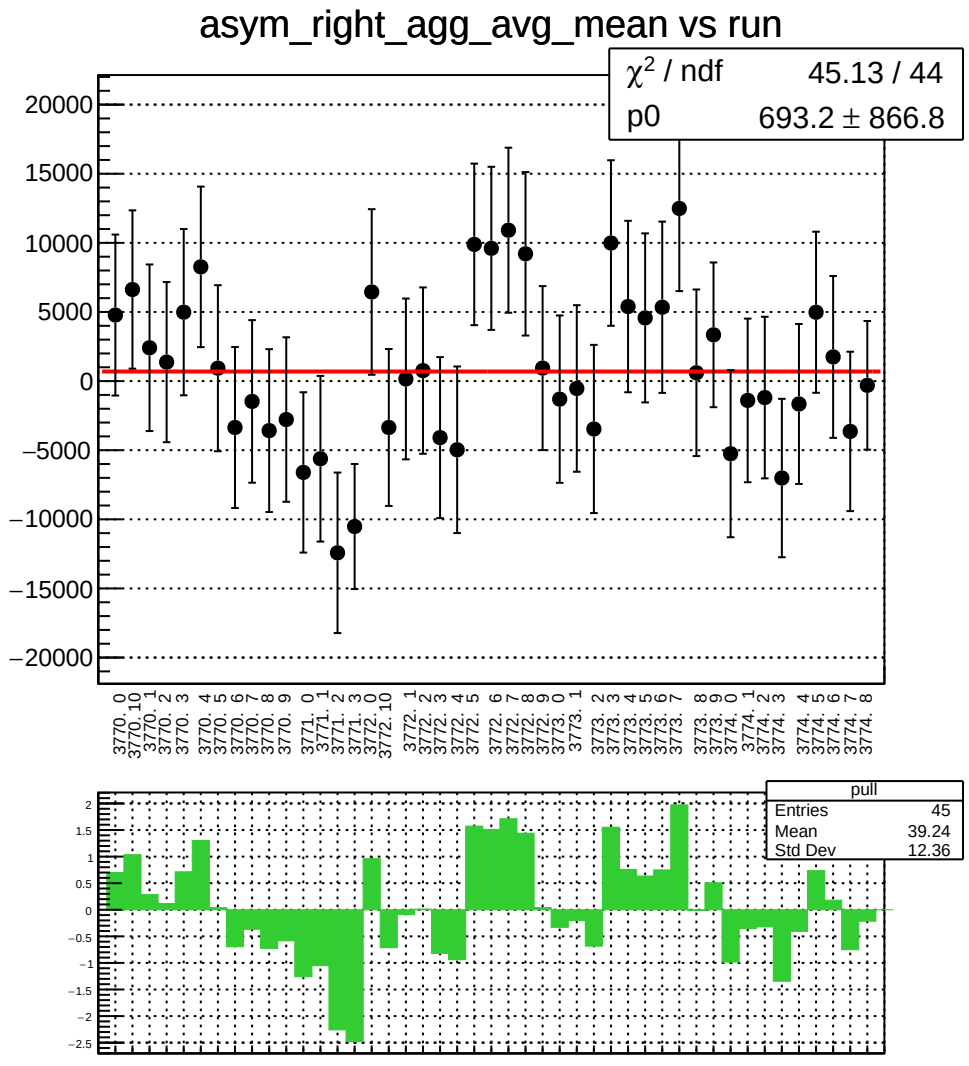

asym_left_agg_avg_mean vs run
χ² / ndf 51.7 / 44
p0 263.6 ± 1230
30000
20000
10000
0
−10000
−20000
−30000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 35.39
Std Dev 19.75
2
1
0
−1
−2
−3

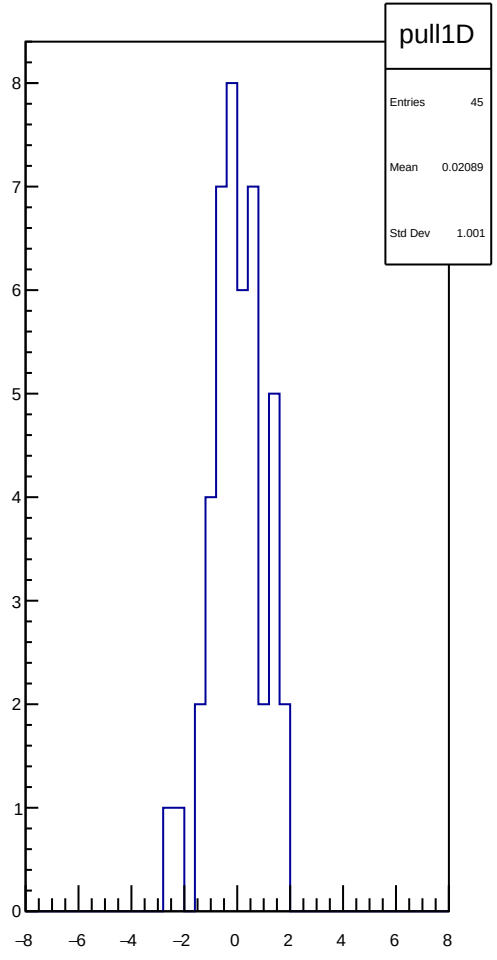

pull1D
Entries 45
Mean −0.02512
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

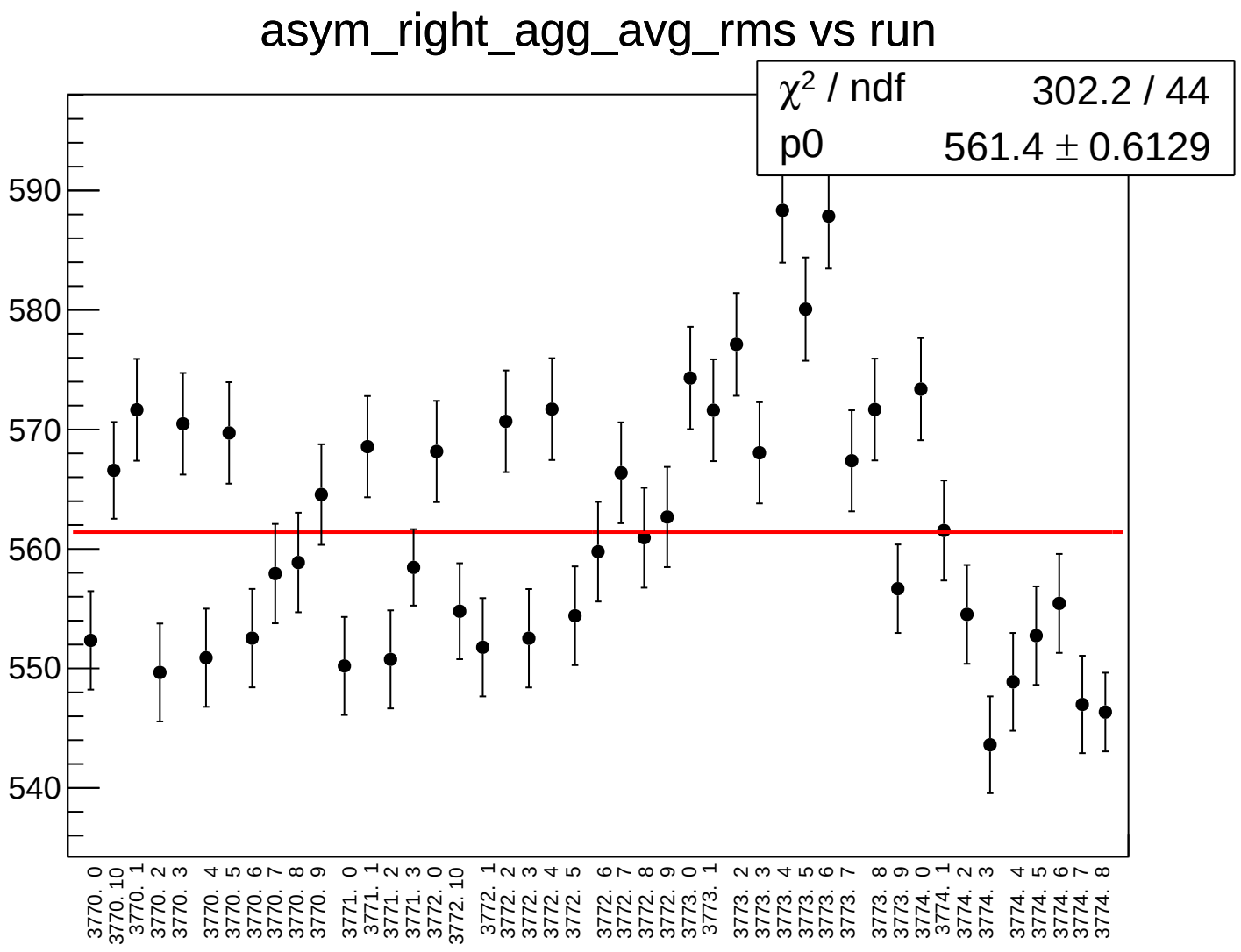

asym_left_agg_avg_rms vs run
χ² / ndf 696.1 / 44
p0 796.2 ± 0.8695
860
840
820
800
780
760
740
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

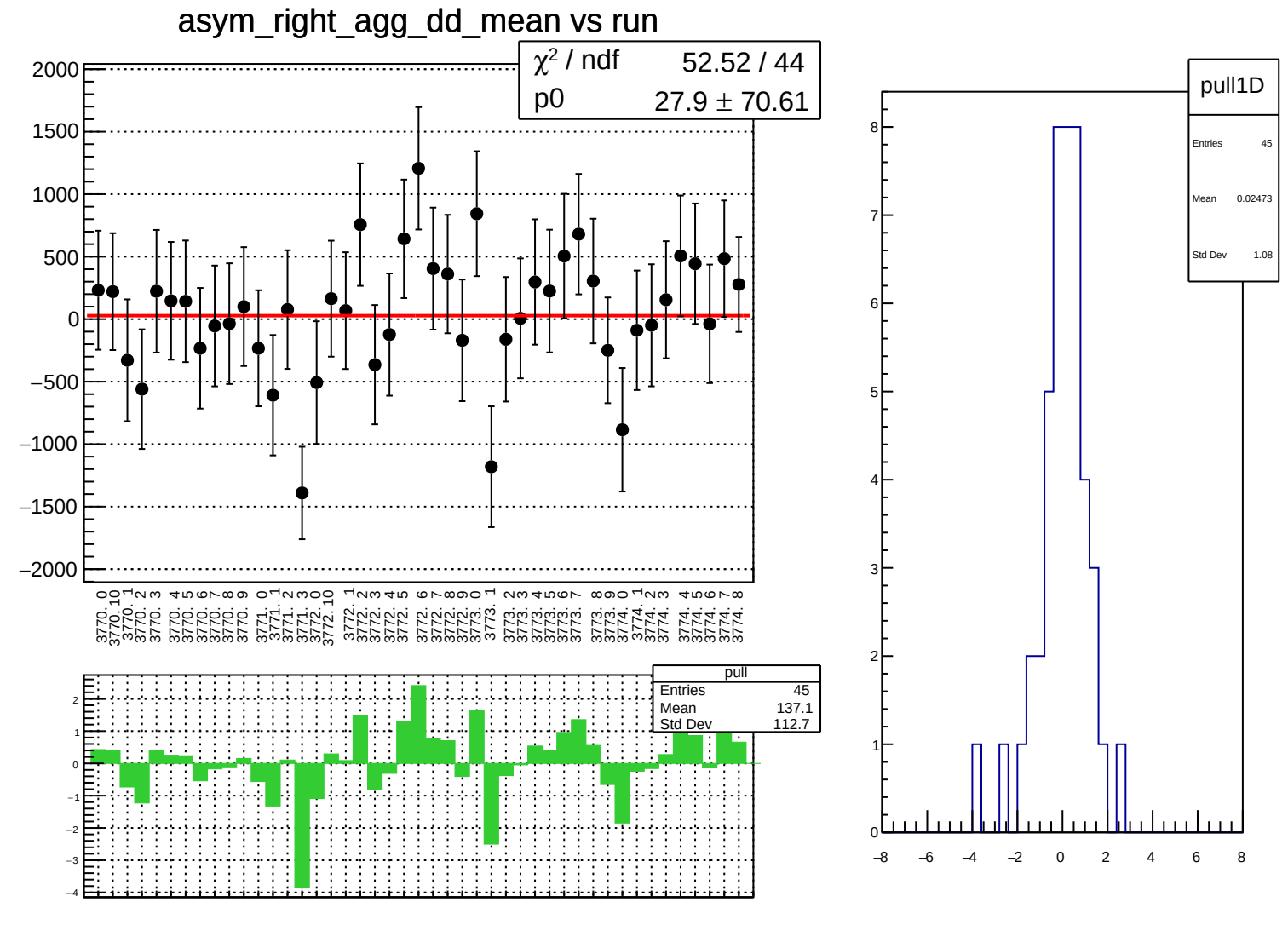

asym_left_agg_dd_mean vs run
χ² / ndf 34.17 / 44
p0 26.7 ± 51.31
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1.055
Std Dev 13.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01201
Std Dev 0.8713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

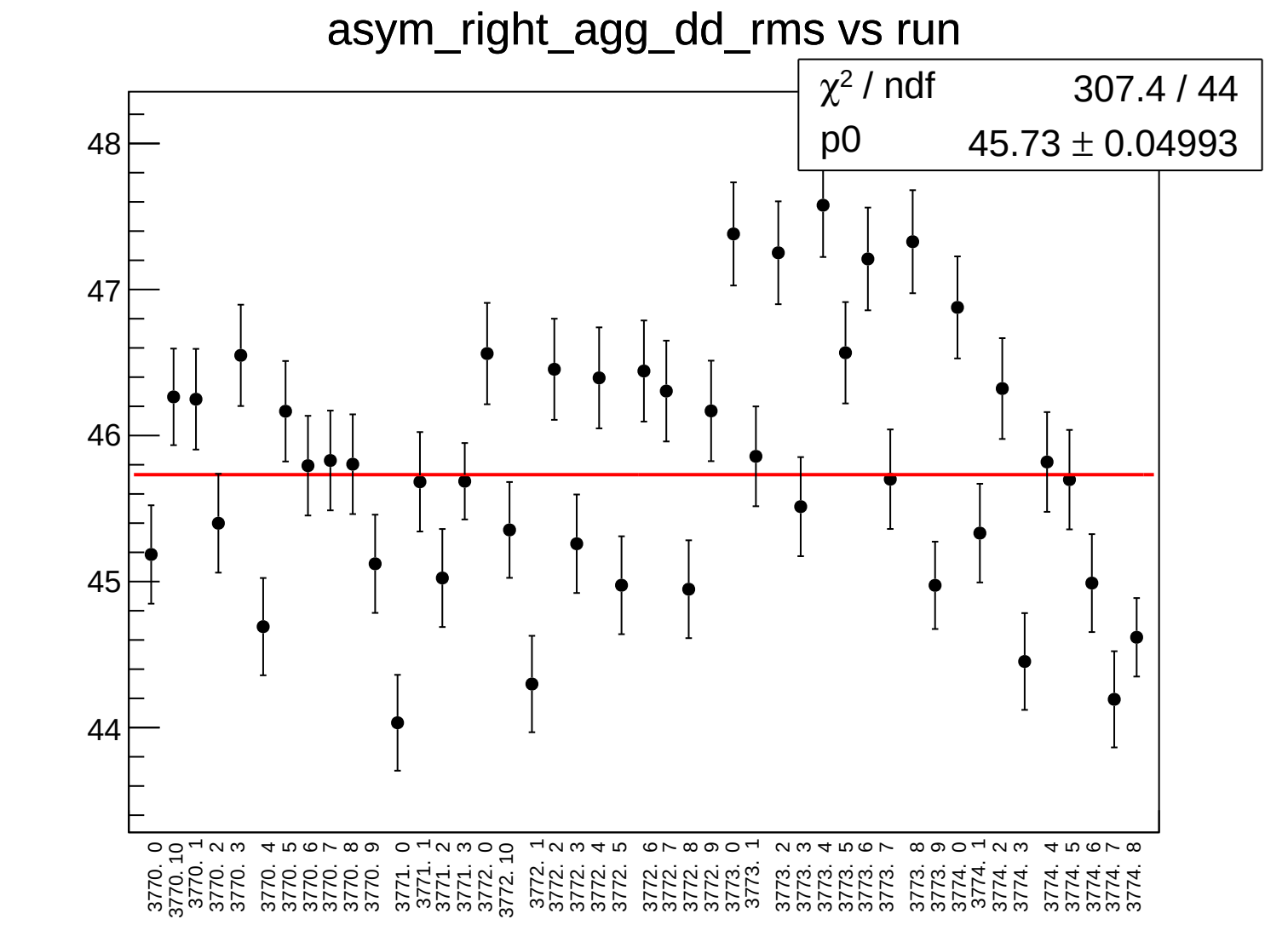

asym_left_agg_dd_rms vs run
χ² / ndf 222.3 / 44
p0 33.24 ± 0.03628
34.5
34
33.5
33
32.5
32
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

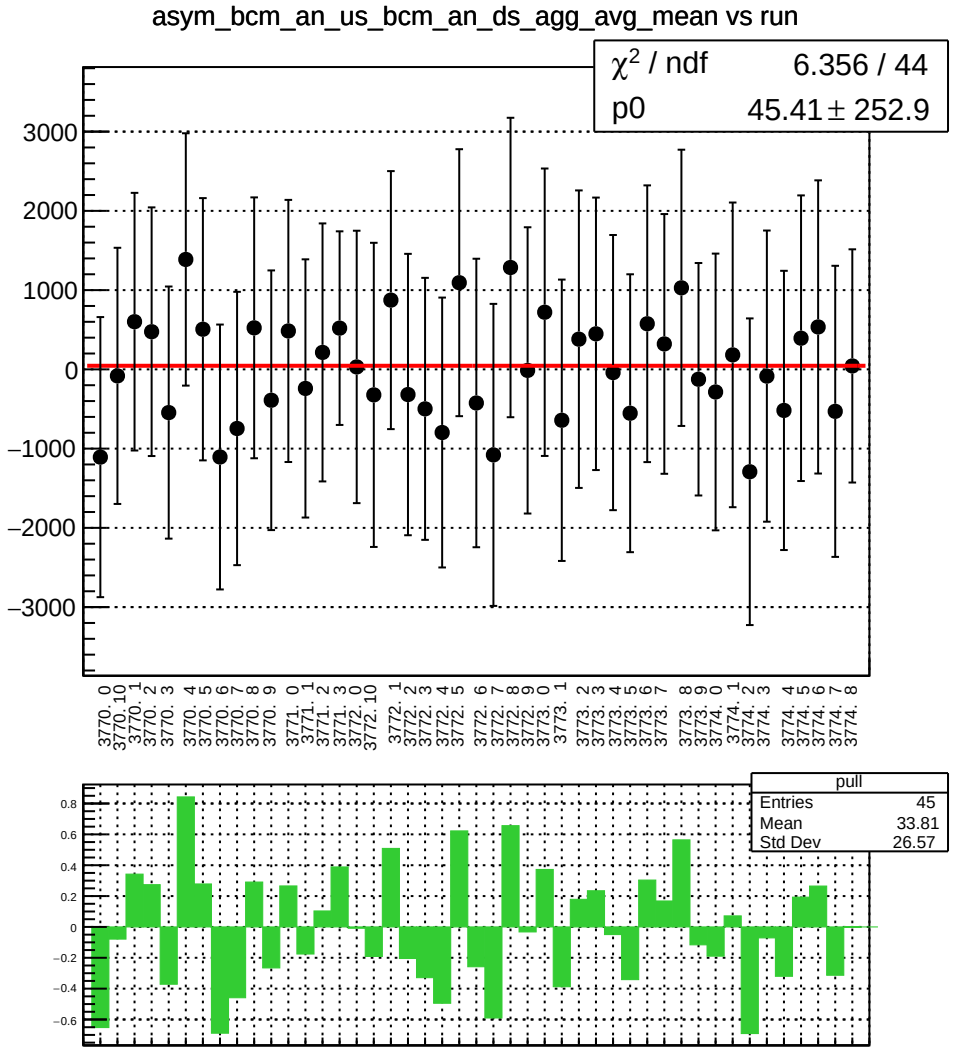

asym_right_agg_avg_mean vs run
χ² / ndf 45.13 / 44
p0 693.2 ± 866.8
pull
Entries 45
Mean 39.24
Std Dev 12.36

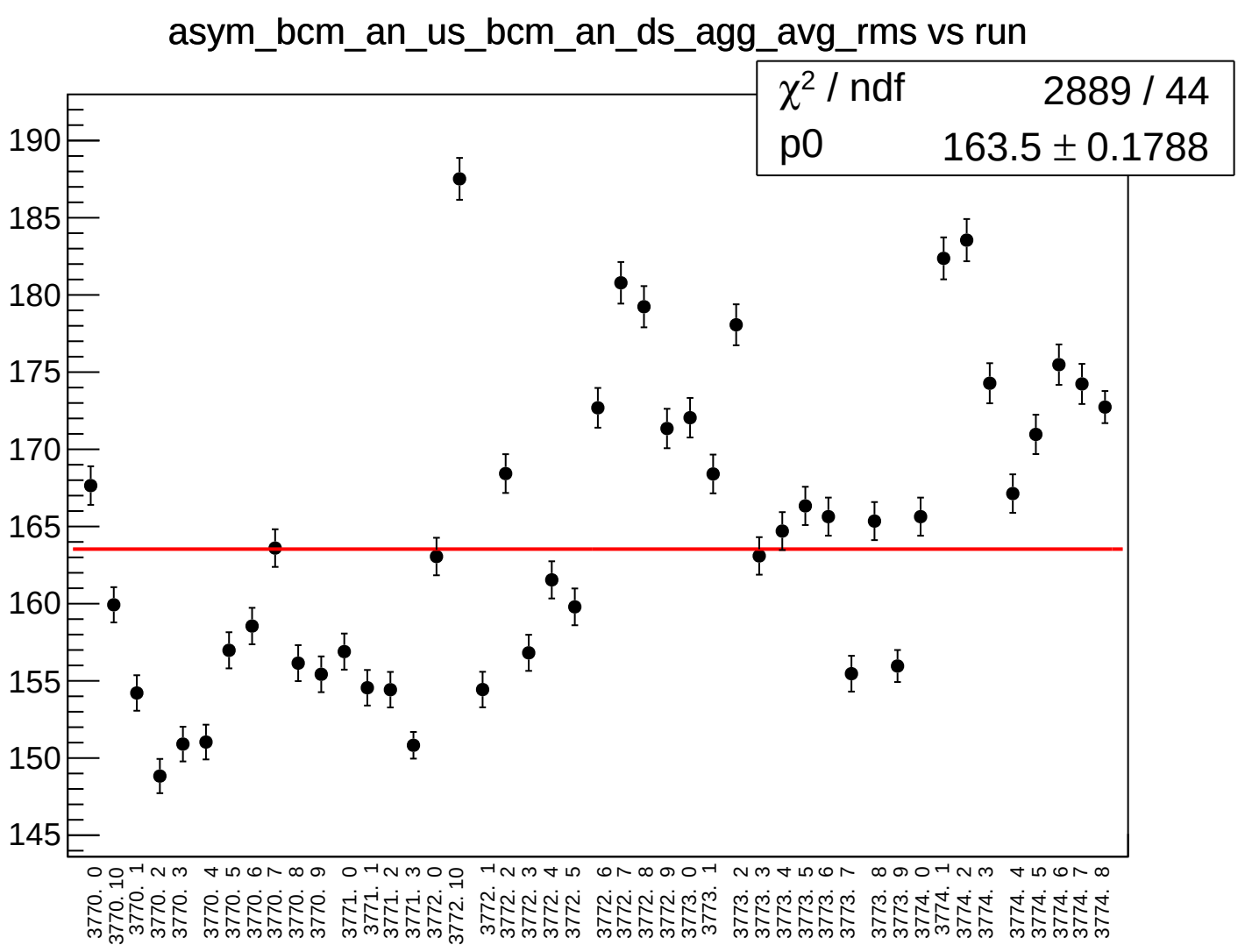

pull1D
Entries 45
Mean 0.02089
Std Dev 1.001

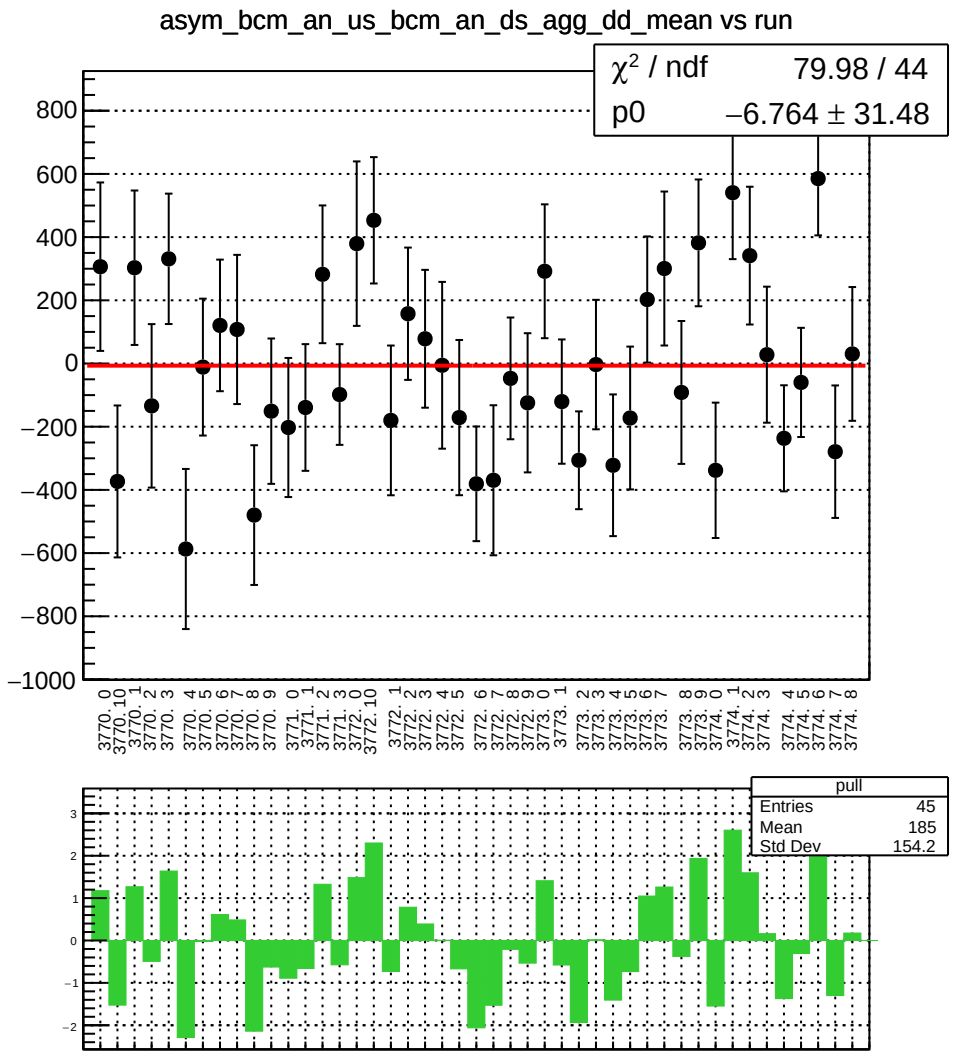

asym_right_agg_avg_rms vs run
χ² / ndf 302.2 / 44
p0 561.4 ± 0.6129
590
580
570
560
550
540
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

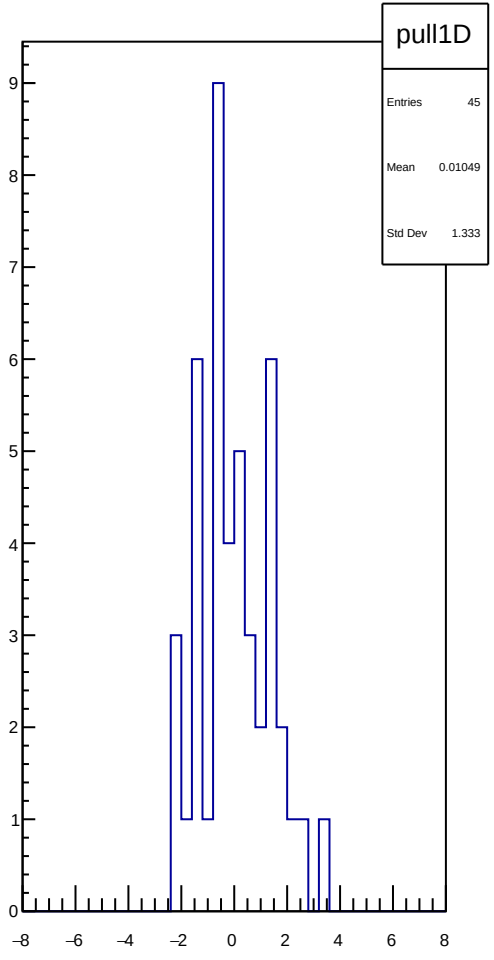

asym_right_agg_dd_mean vs run
χ² / ndf 52.52 / 44
p0 27.9 ± 70.61
2000
1500
1000
500
0
−500
−1000
−1500
−2000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 137.1
Std Dev 112.7
2
1
0
−1
−2
−3
−4
pull1D
Entries 45
Mean 0.02473
Std Dev 1.08
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

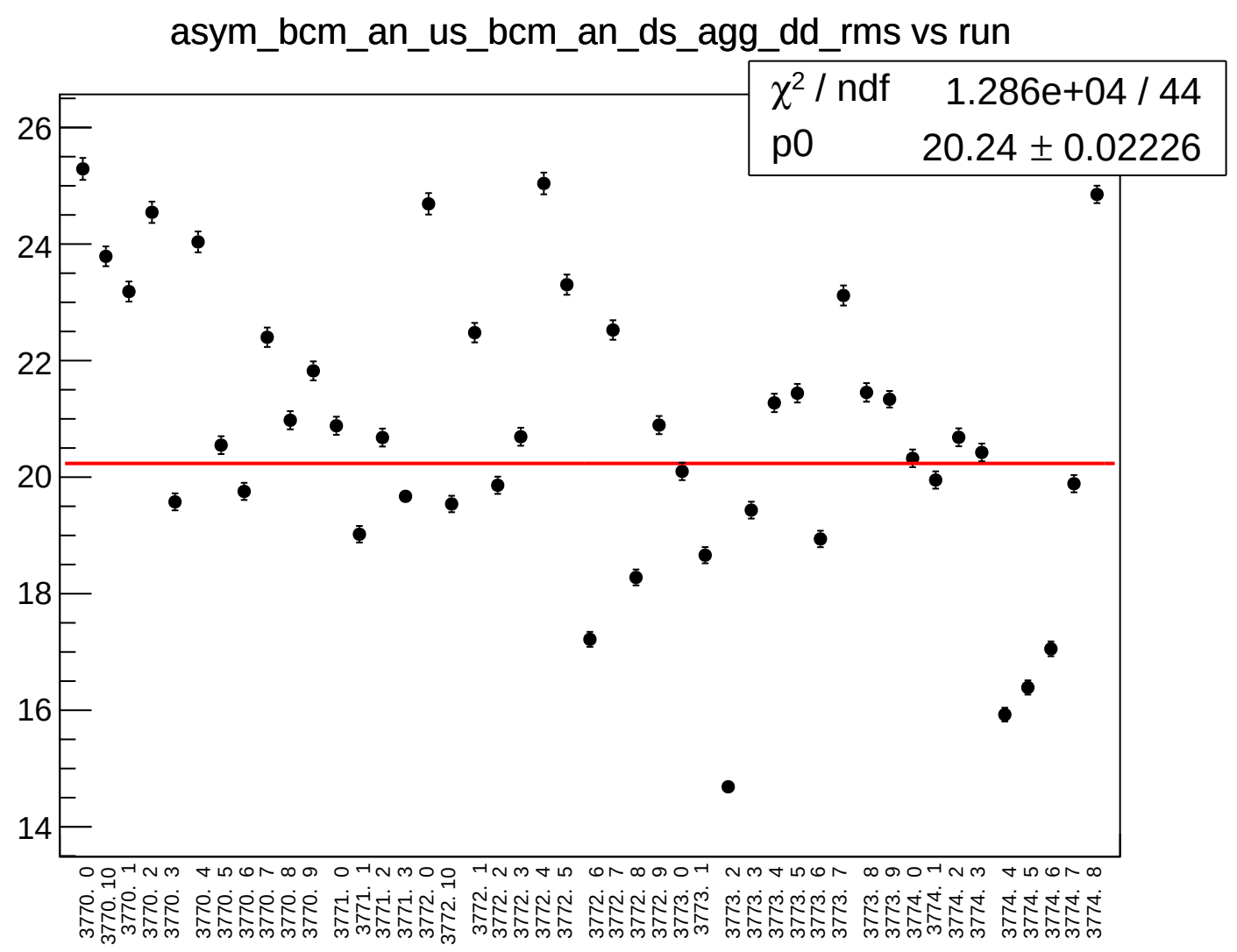

asym_right_agg_dd_rms vs run
χ² / ndf 307.4 / 44
p0 45.73 ± 0.04993
48
47
46
45
44
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

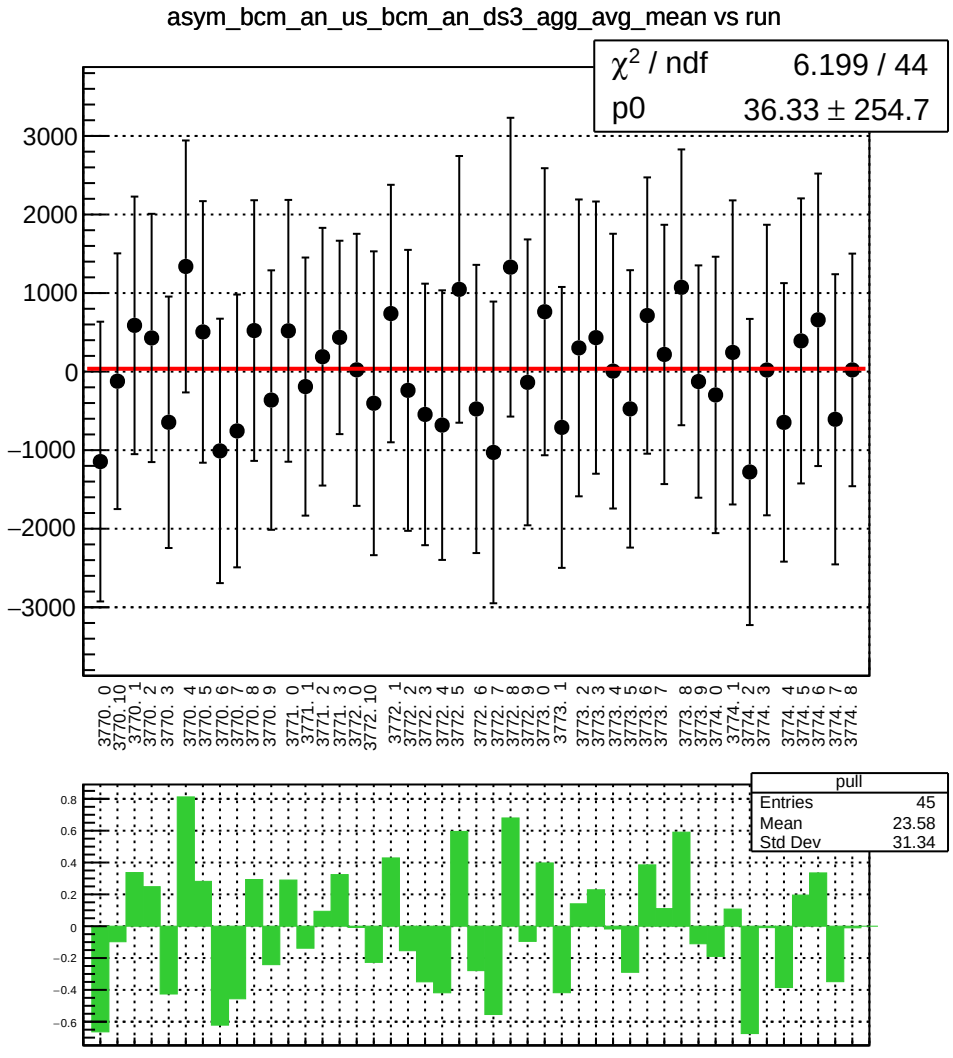

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.356 / 44
p0 45.41 ± 252.9
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 33.81
Std Dev 26.57
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.007897
Std Dev 0.3757
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

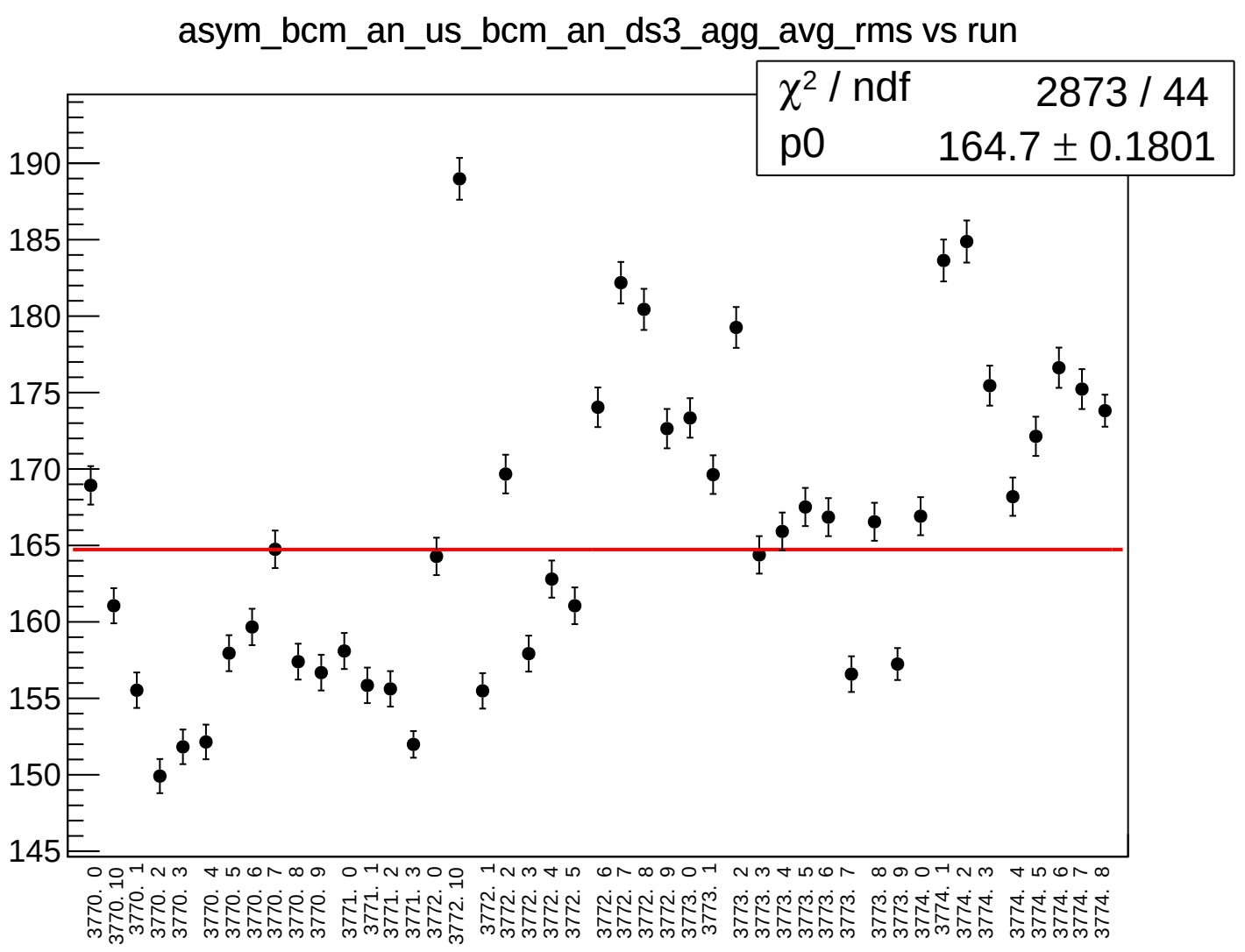

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2889 / 44
p0 163.5 ± 0.1788
190
185
180
175
170
165
160
155
150
145
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

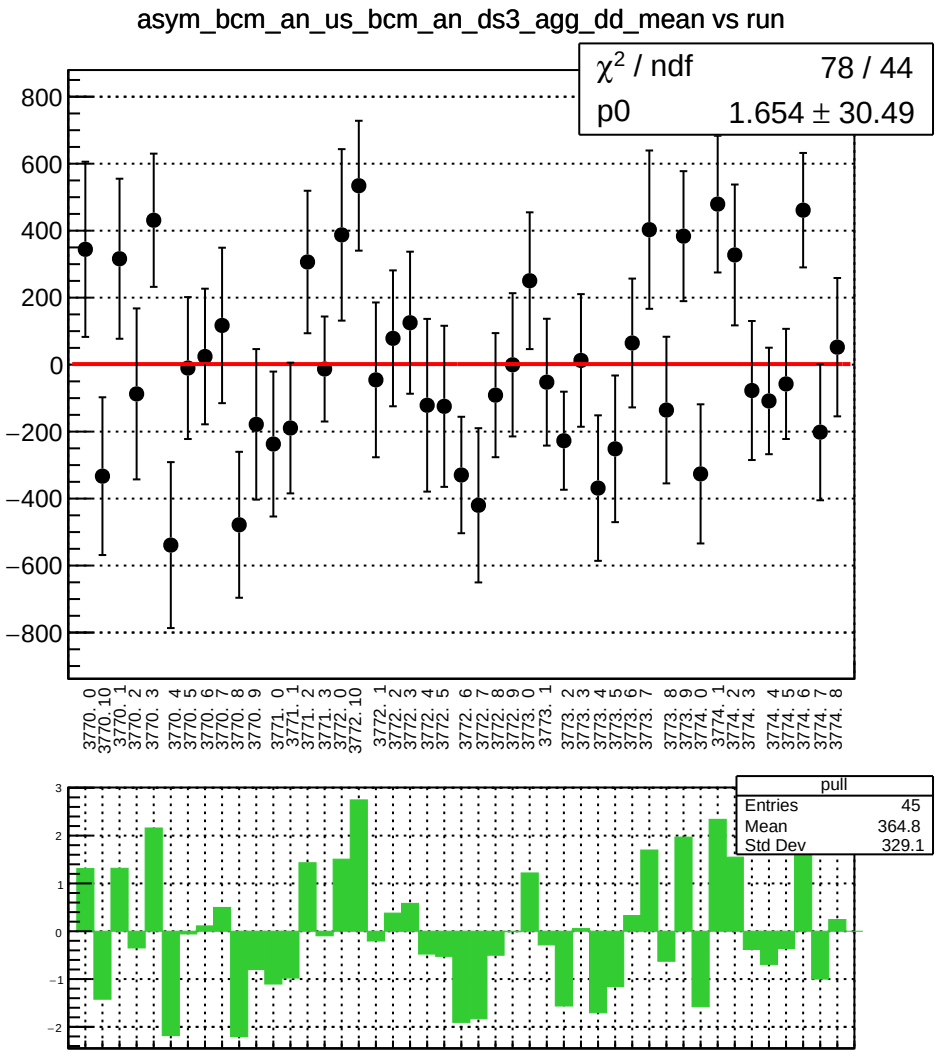

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 79.98 / 44
p0 −6.764 ± 31.48
pull
Entries 45
Mean 185
Std Dev 154.2

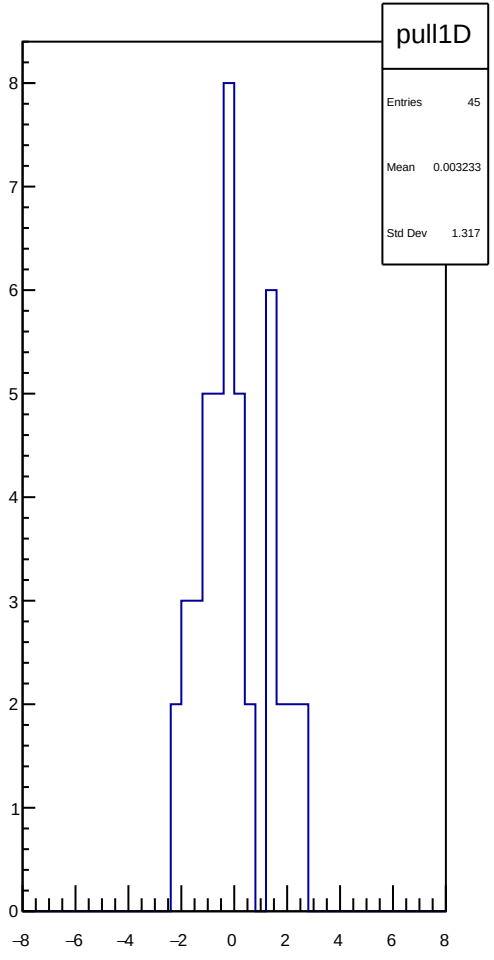

pull1D
Entries 45
Mean 0.01049
Std Dev 1.333

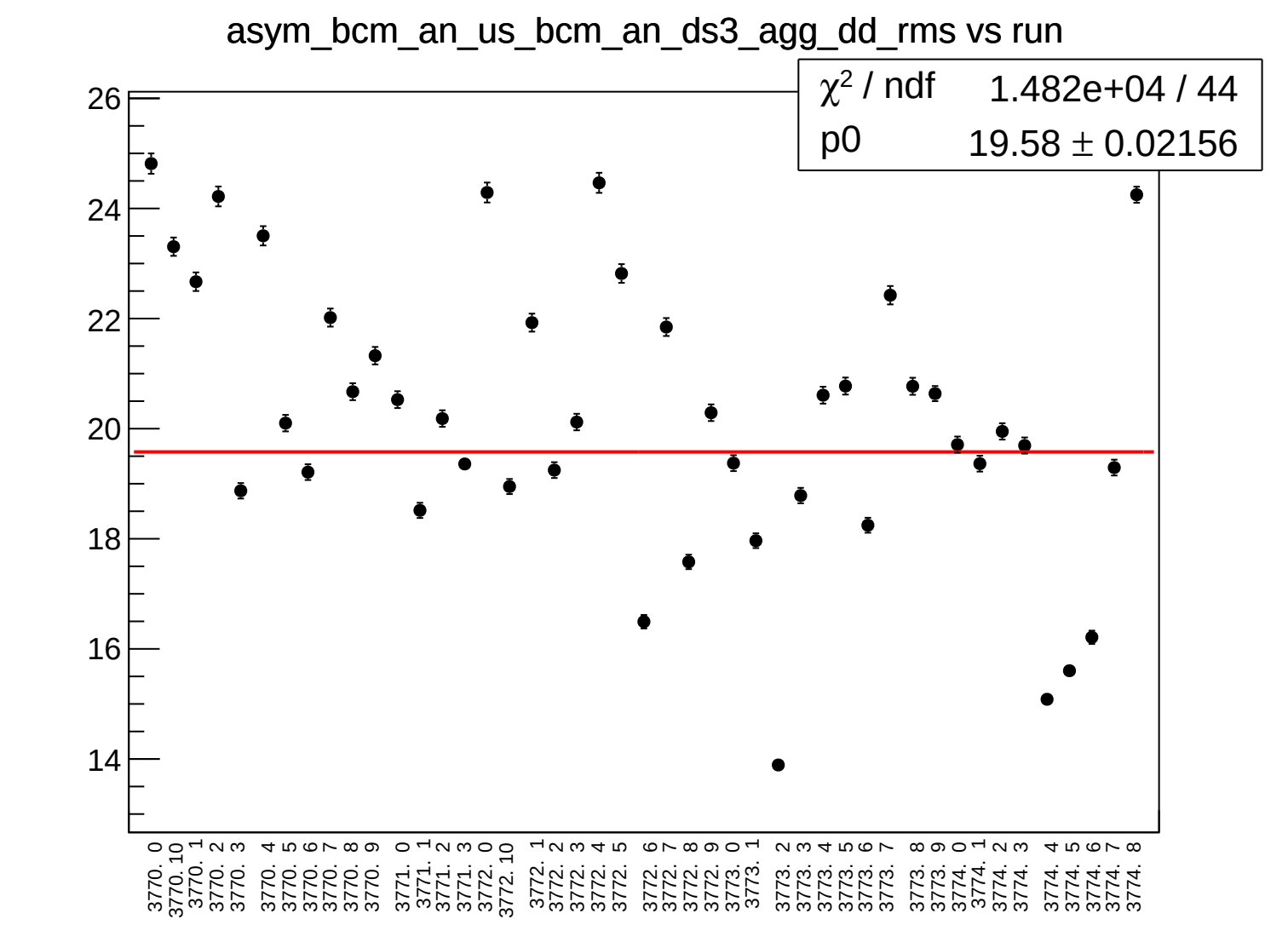

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.286e+04 / 44
p0 20.24 ± 0.02226
26
24
22
20
18
16
14
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

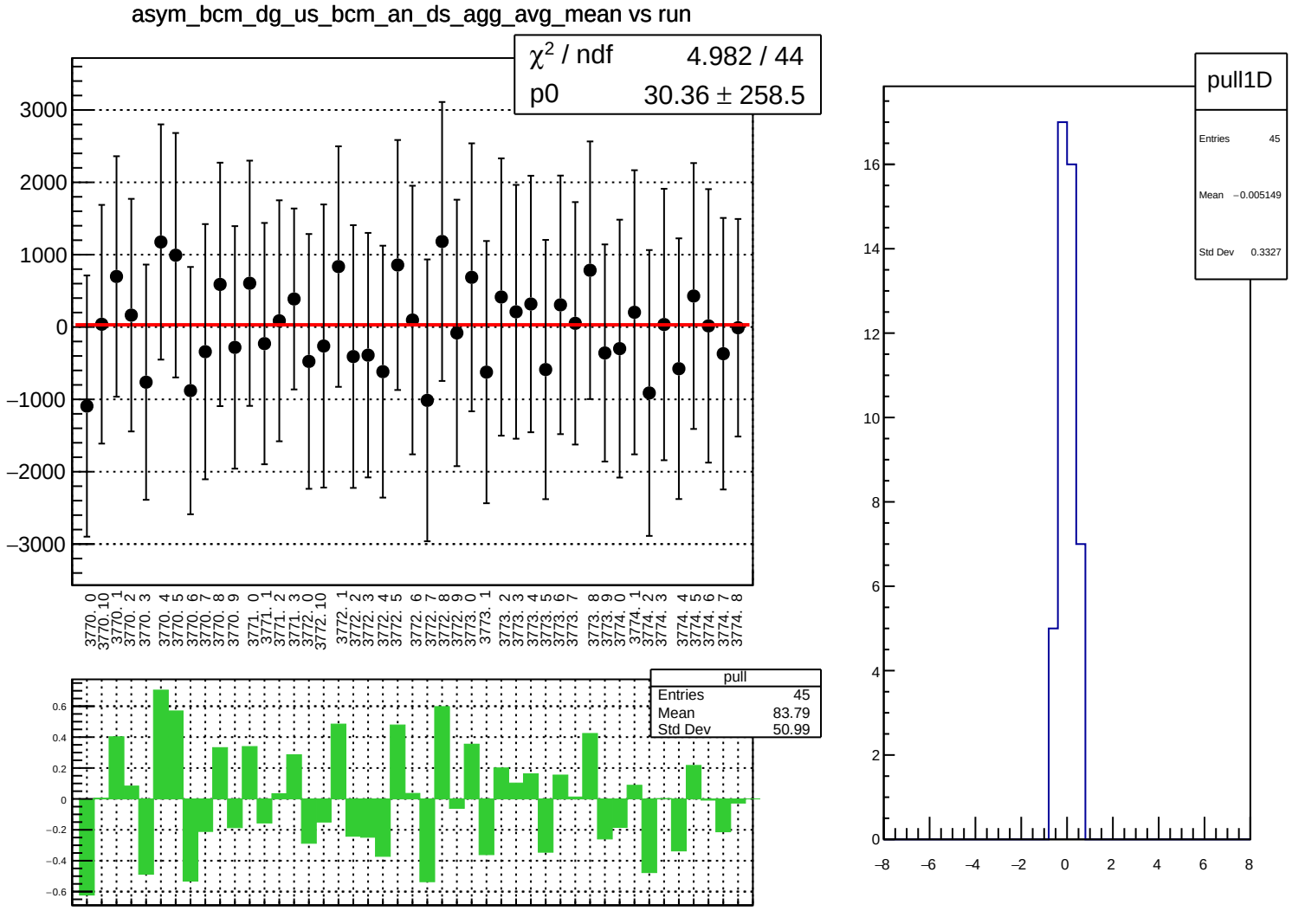

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 6.199 / 44
p0 36.33 ± 254.7
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 23.58
Std Dev 31.34
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.006778
Std Dev 0.3711
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2873 / 44
p0 164.7 ± 0.1801
190
185
180
175
170
165
160
155
150
145
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 78 / 44
p0 1.654 ± 30.49
pull
Entries 45
Mean 364.8
Std Dev 329.1


pull1D
Entries 45
Mean 0.003233
Std Dev 1.317


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.482e+04 / 44
p0 19.58 ± 0.02156
26
24
22
20
18
16
14
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.982 / 44
p0 30.36 ± 258.5
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 83.79
Std Dev 50.99
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.005149
Std Dev 0.3327
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
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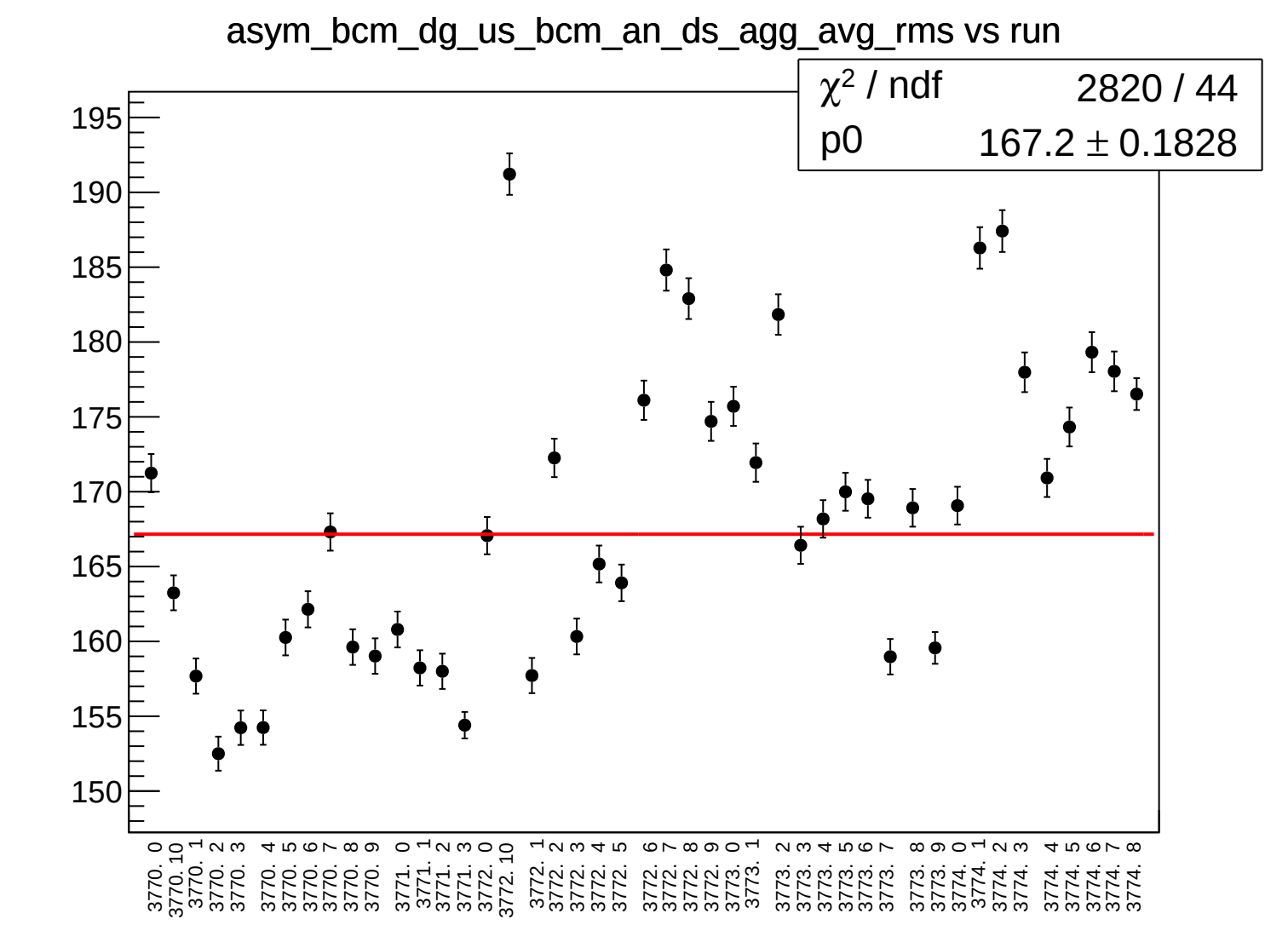
2
4
6
8


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2820 / 44
p0 167.2 ± 0.1828
195
190
185
180
175
170
165
160
155
150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
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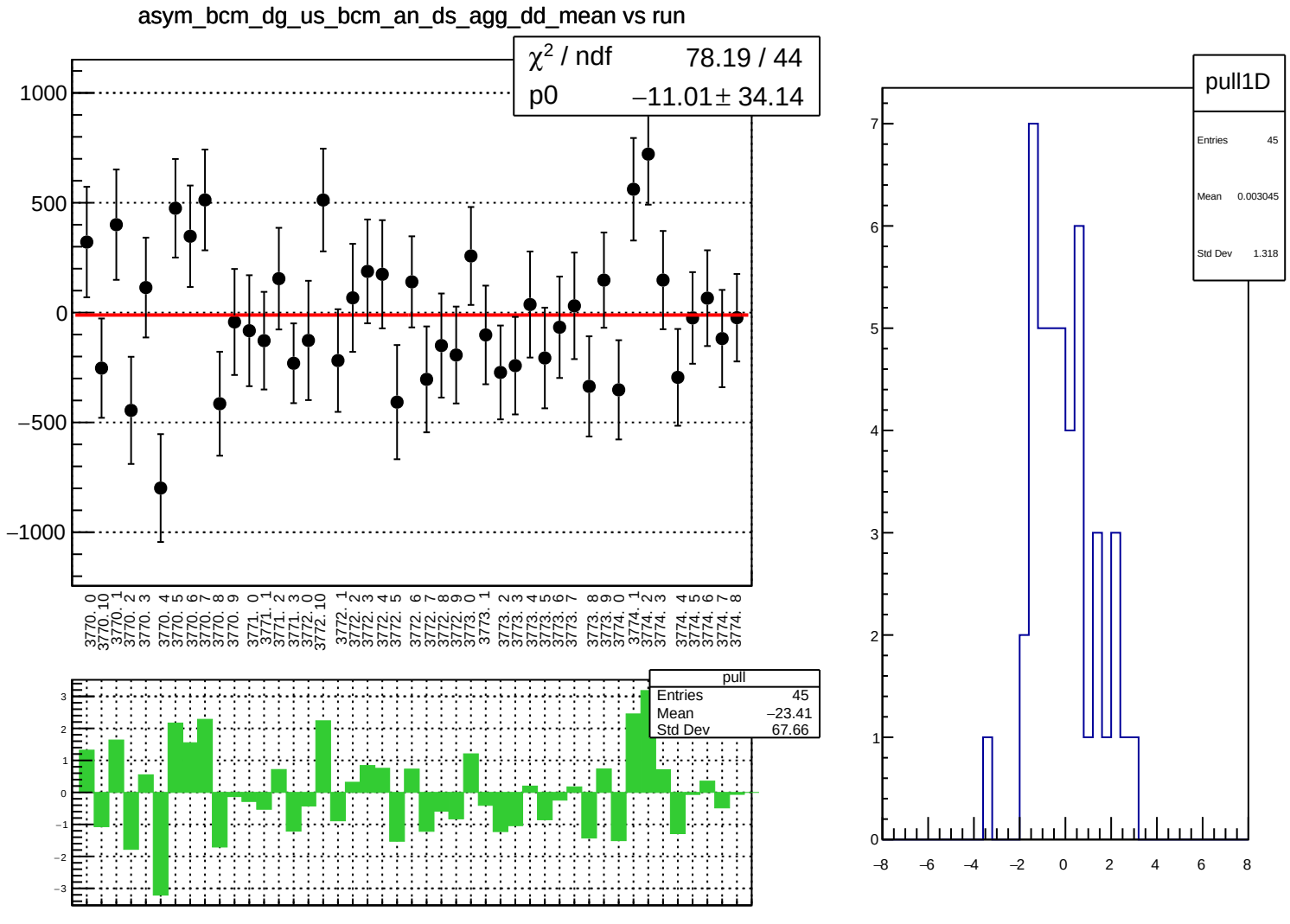
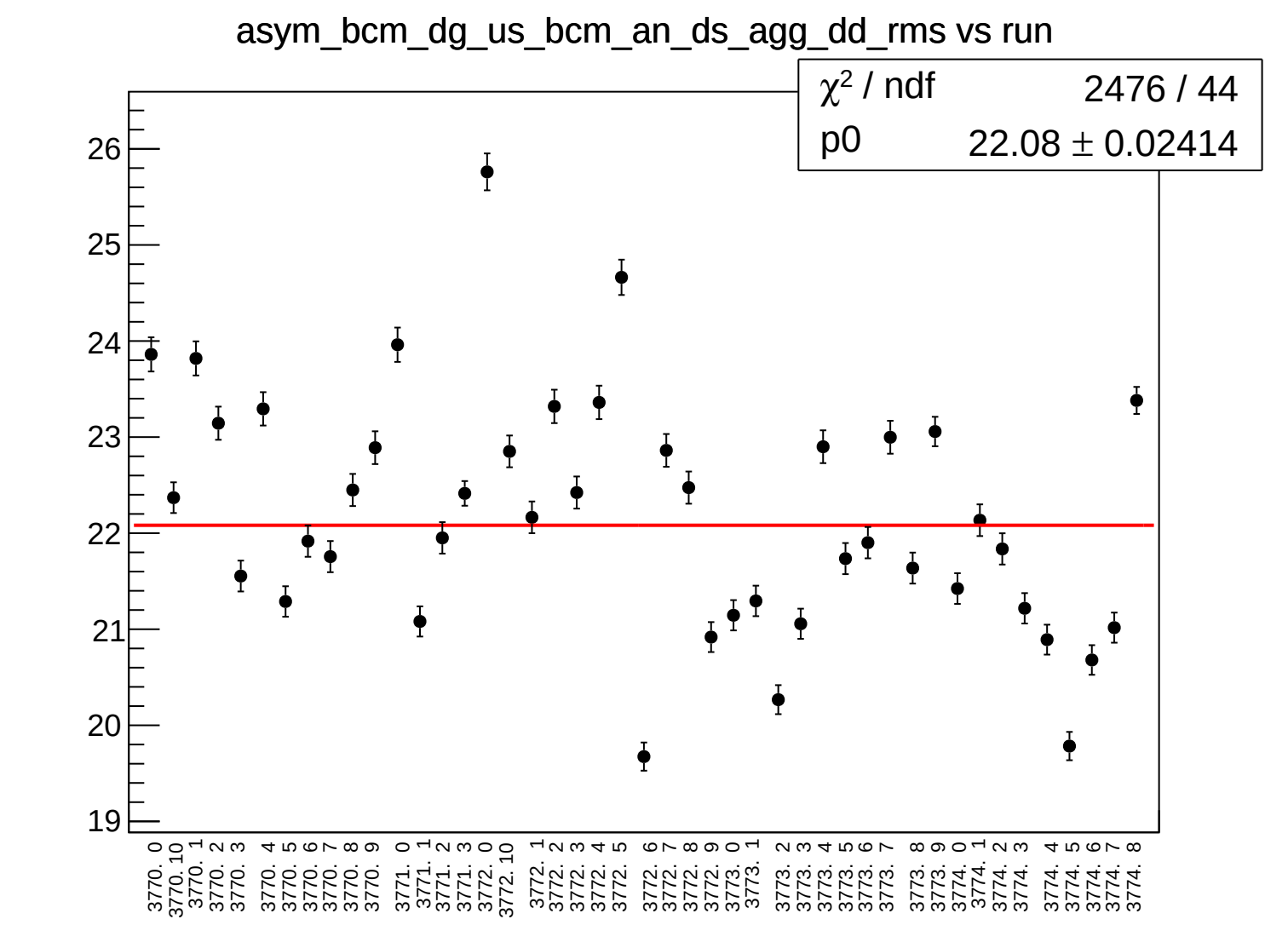

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 78.19 / 44
p0 −11.01± 34.14
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −23.41
Std Dev 67.66
pull1D
Entries 45
Mean 0.003045
Std Dev 1.318


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2476 / 44
p0 22.08 ± 0.02414
26
25
24
23
22
21
20
19
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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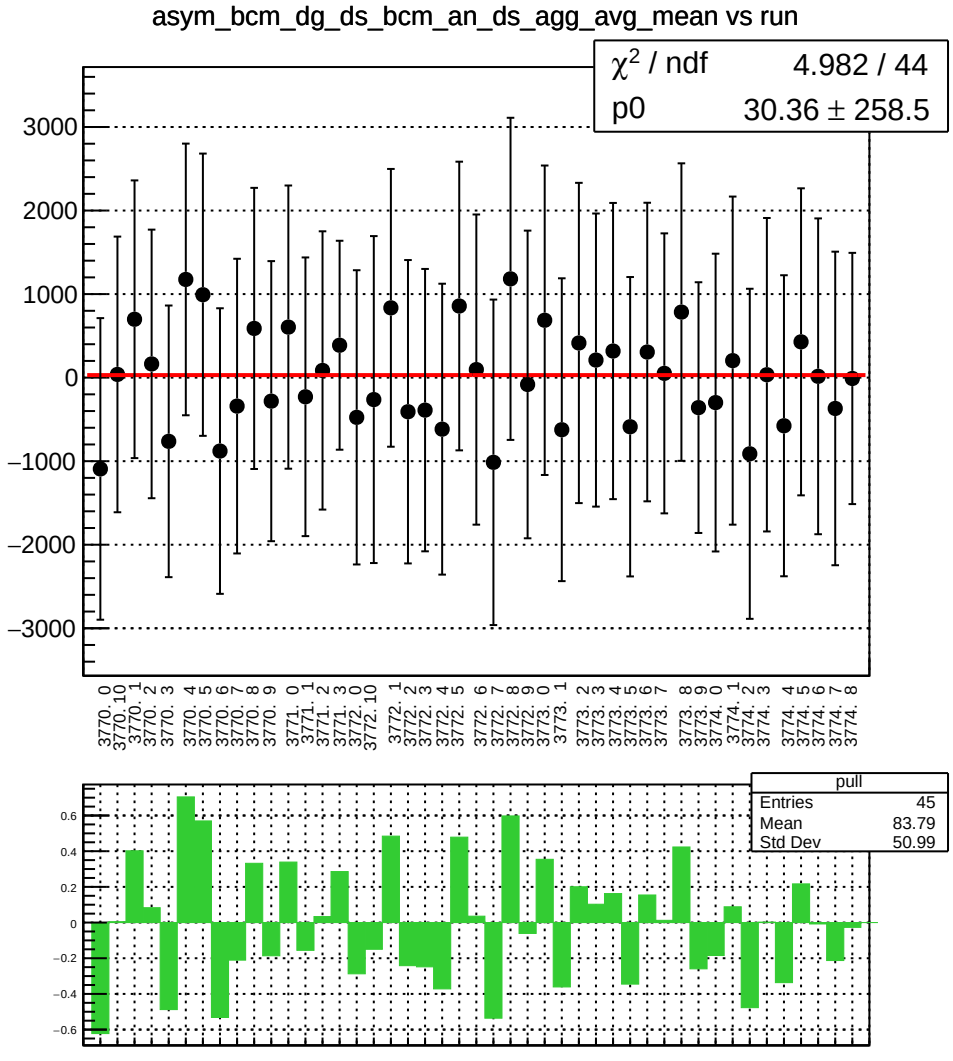
3774. 8


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.982 / 44
p0 30.36 ± 258.5
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
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3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 83.79
Std Dev 50.99
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.005149
Std Dev 0.3327
16
14
12
10
8
6
4
2
0
−8
−6
−4
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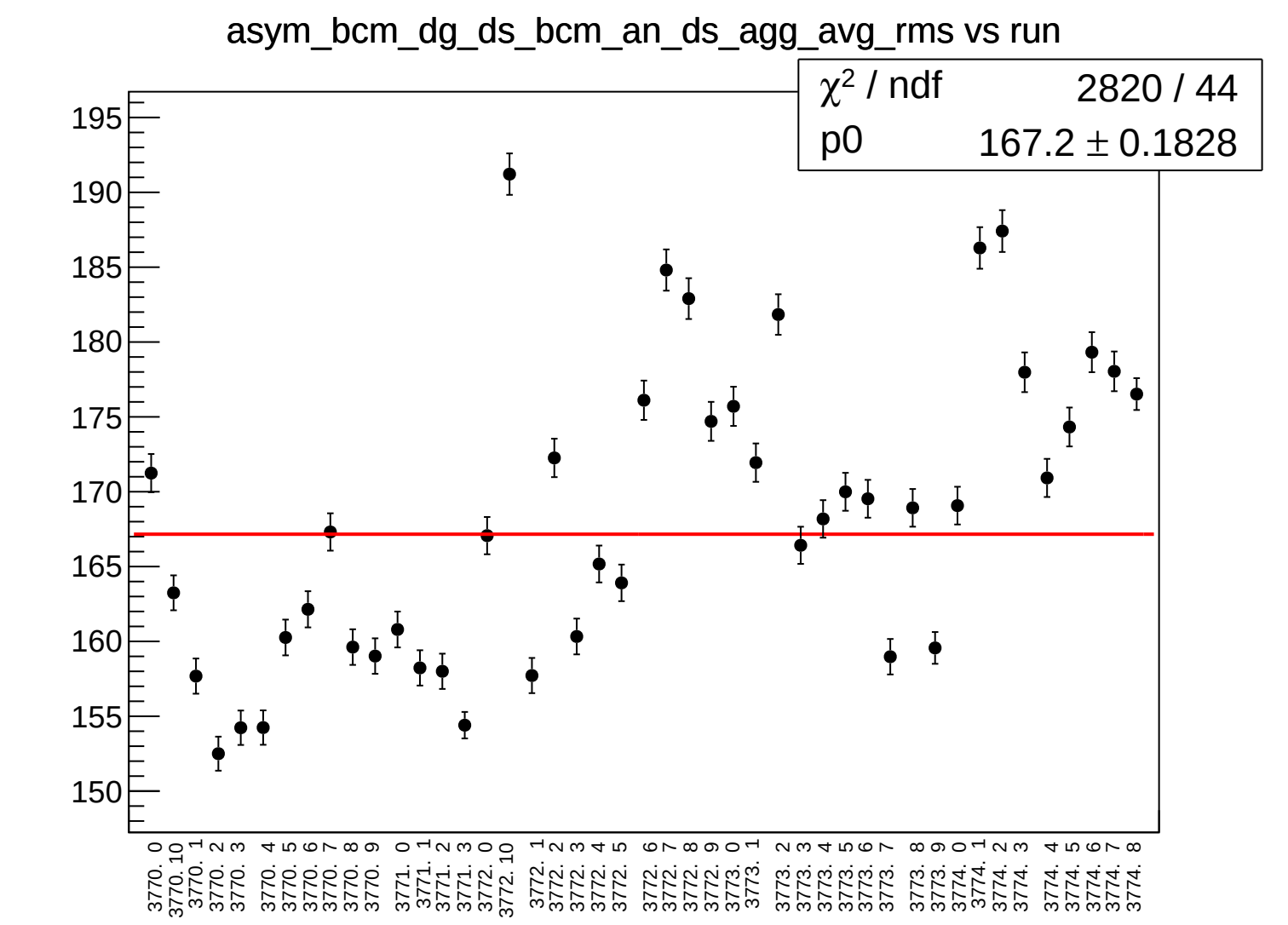
2
4
6
8


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2820 / 44
p0 167.2 ± 0.1828
195
190
185
180
175
170
165
160
155
150
3770. 0
3770. 10
3770. 1
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3770. 9
3771. 0
3771. 1
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3772. 10
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3772. 8
3772. 9
3773. 0
3773. 1
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3773. 3
3773. 4
3773. 5
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3773. 7
3773. 8
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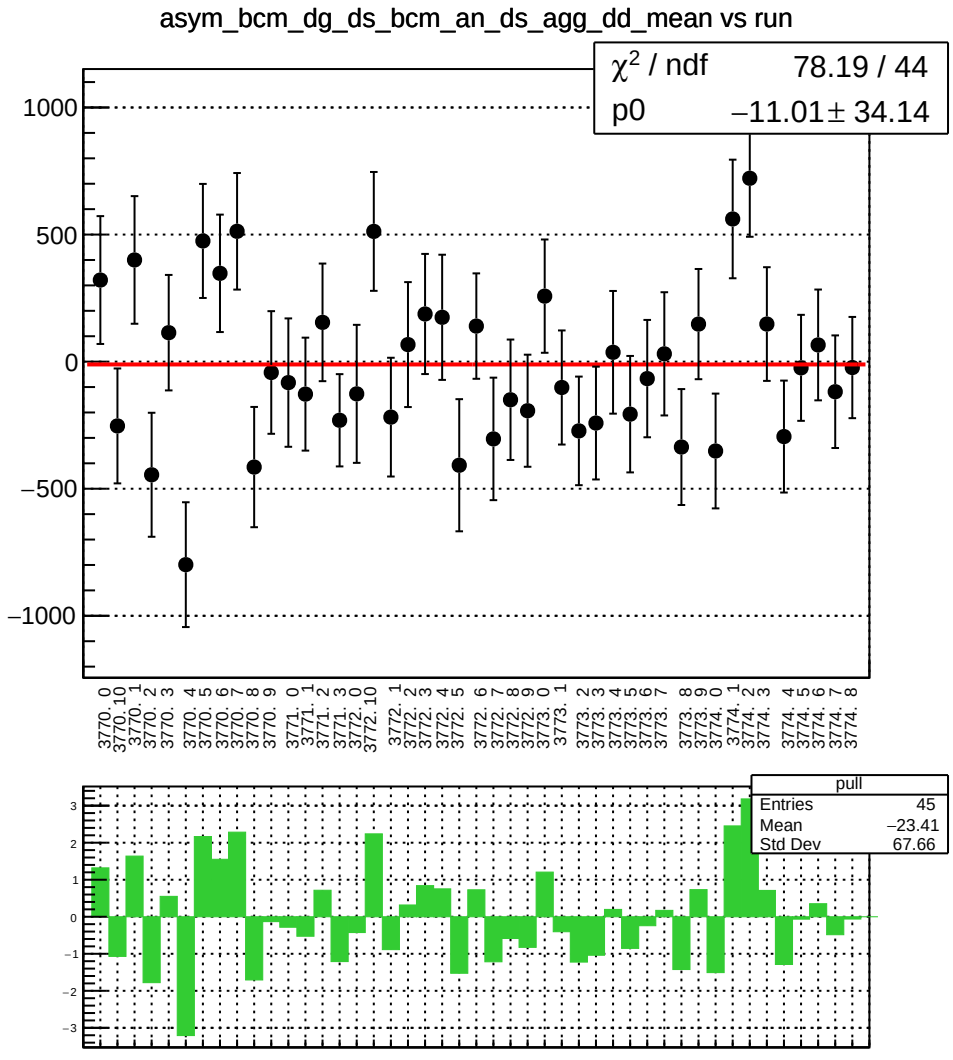
3774. 8


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 78.19 / 44
p0 −11.01 ± 34.14
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −23.41
Std Dev 67.66
3
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.003045
Std Dev 1.318
7
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5
4
3
2
1
0
−8
−6
−4
−2
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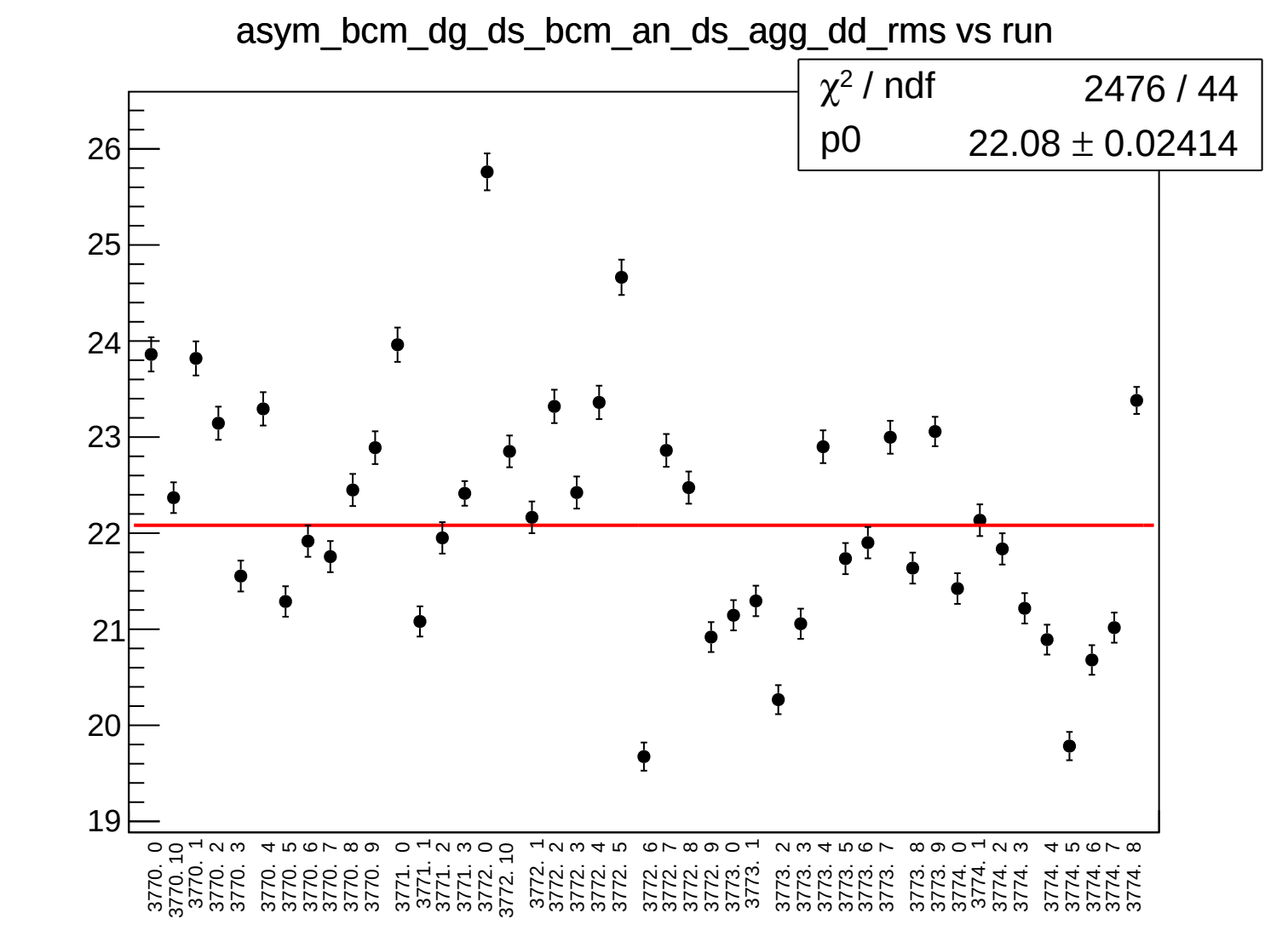
2
4
6
8


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2476 / 44
p0 22.08 ± 0.02414
26
25
24
23
22
21
20
19
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
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3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
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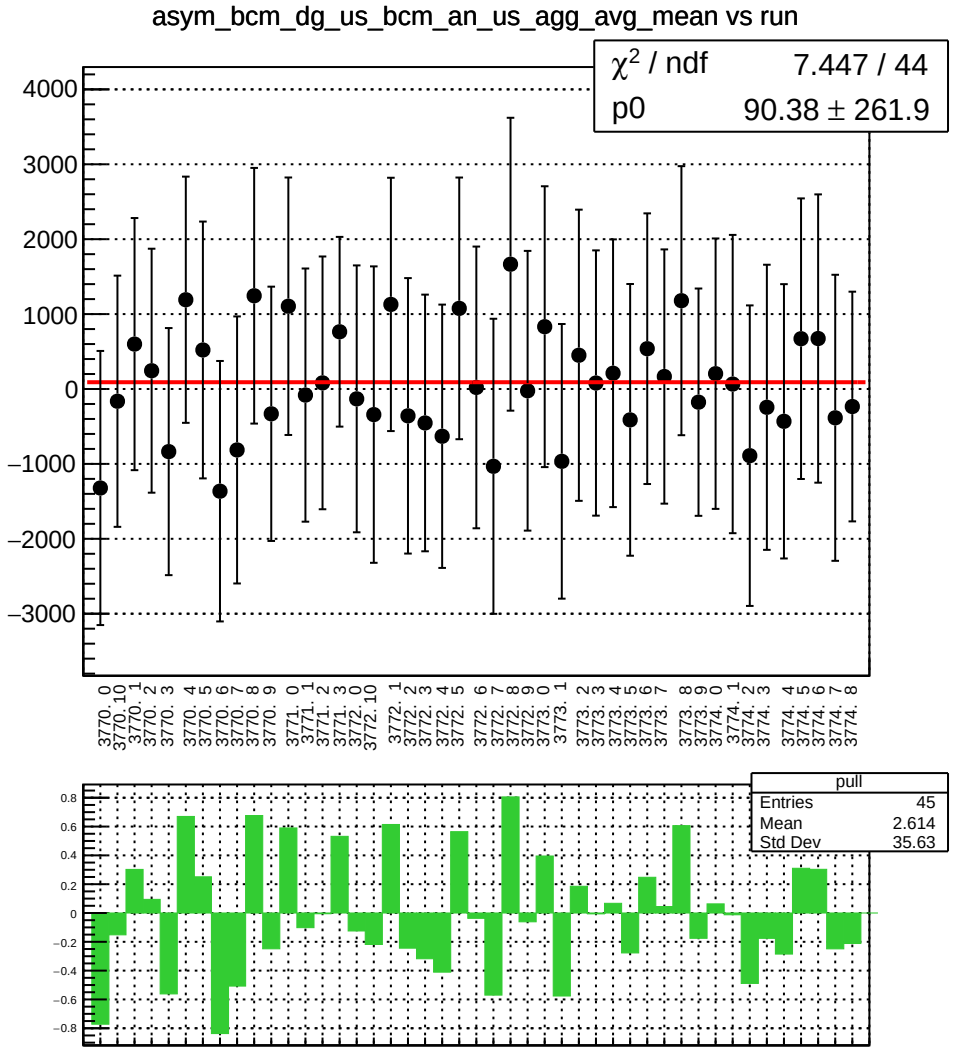
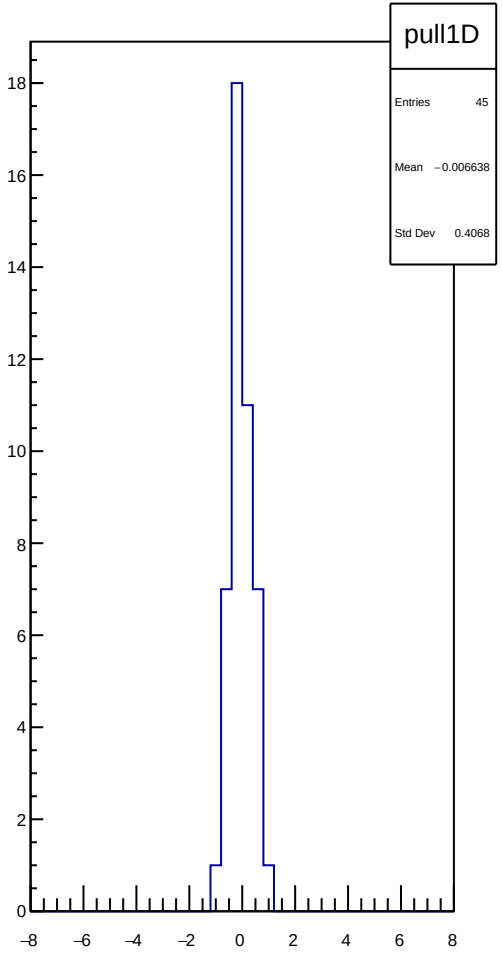
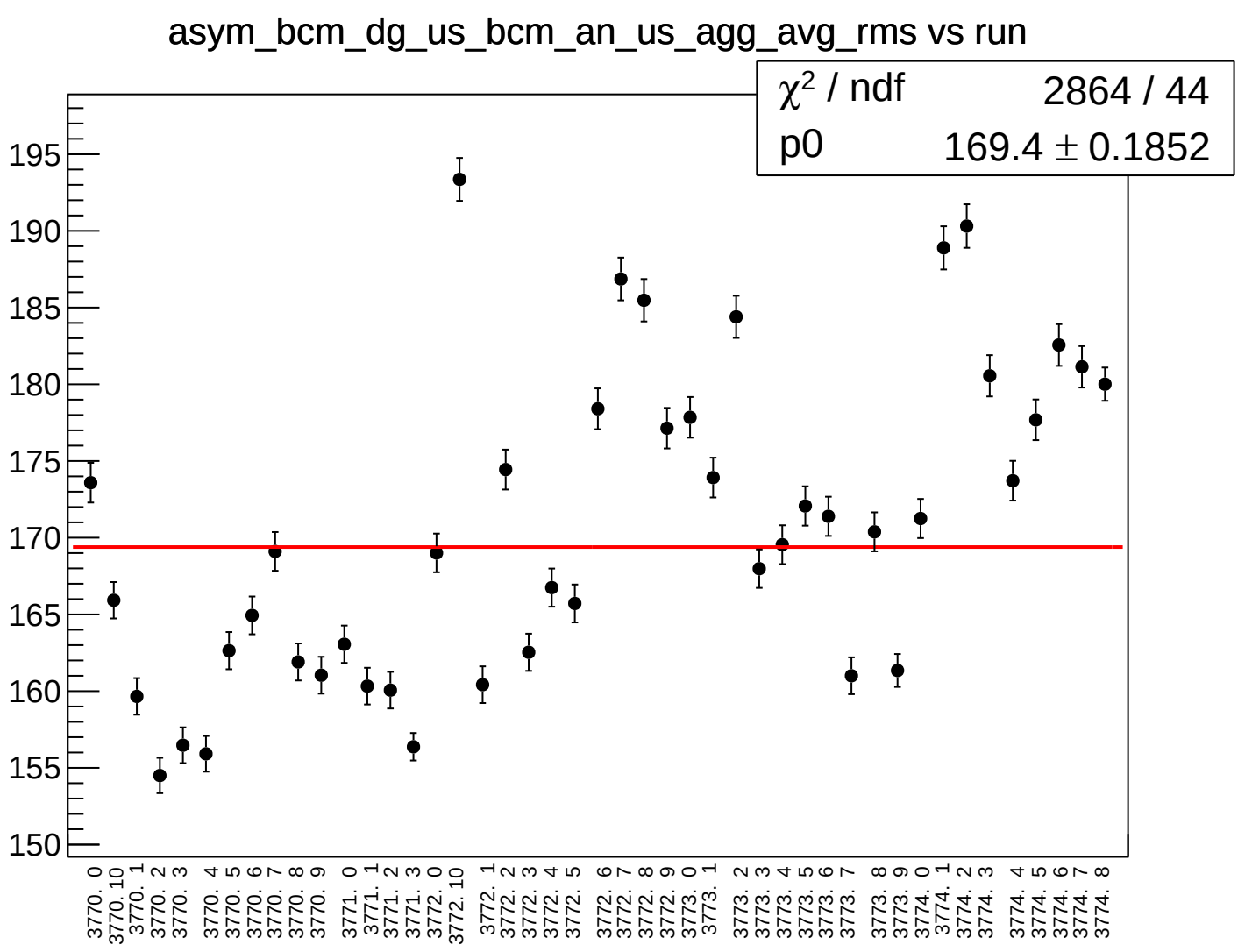
3774. 8


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 7.447 / 44
p0 90.38 ± 261.9
pull
Entries 45
Mean 2.614
Std Dev 35.63


pull1D
Entries 45
Mean −0.006638
Std Dev 0.4068


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2864 / 44
p0 169.4 ± 0.1852
195
190
185
180
175
170
165
160
155
150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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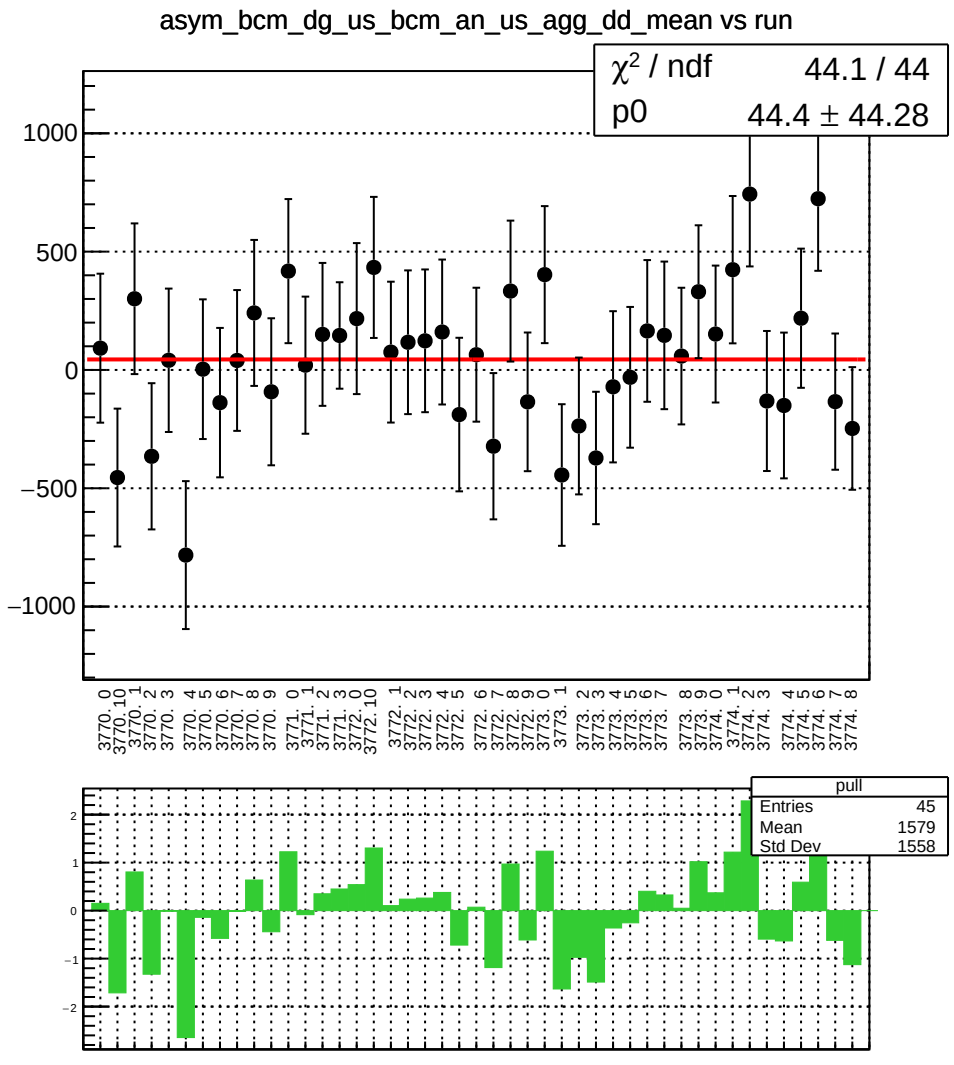
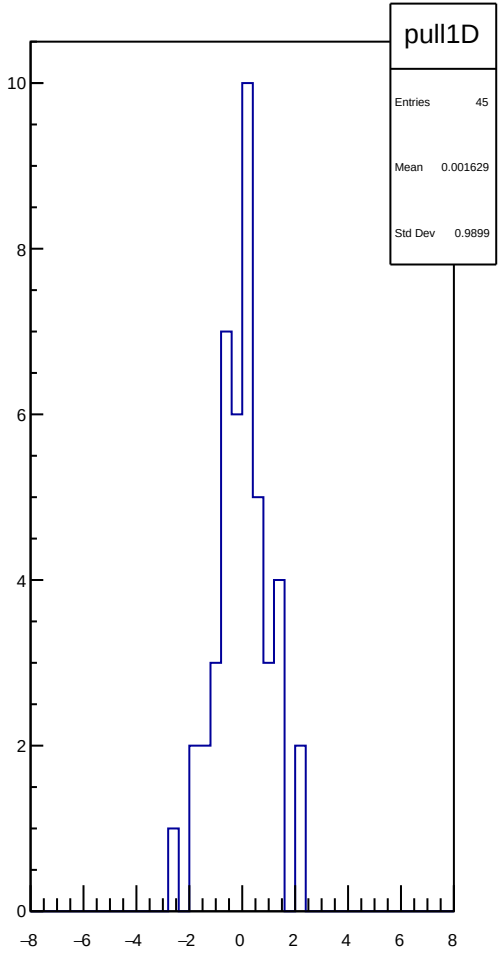
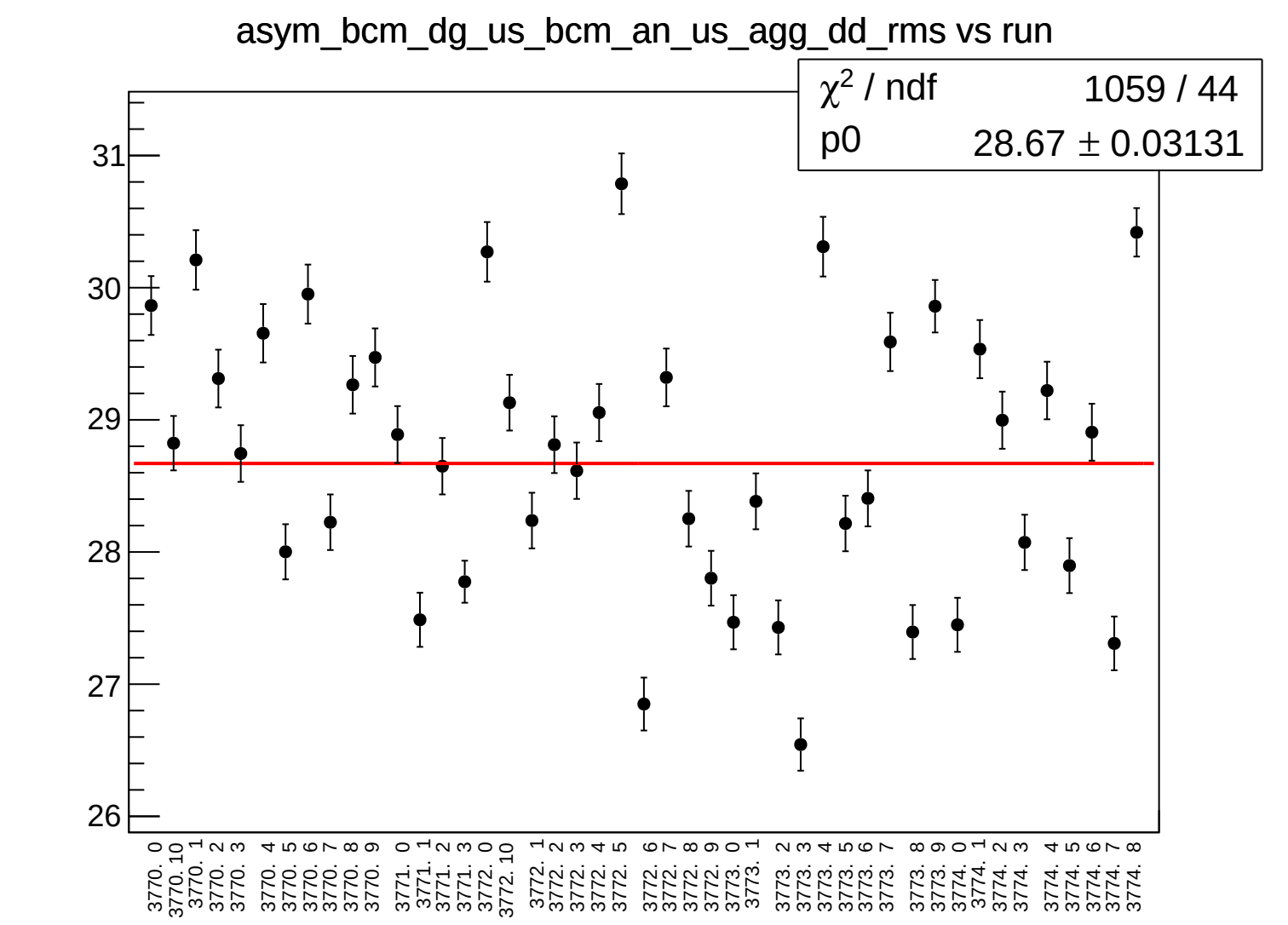

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 44.1 / 44
p0 44.4 ± 44.28
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1579
Std Dev 1558
2
1
0
−1
−2


pull1D
Entries 45
Mean 0.001629
Std Dev 0.9899
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1059 / 44
p0 28.67 ± 0.03131
31
30
29
28
27
26
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
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3773. 4
3773. 5
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3773. 7
3773. 8
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3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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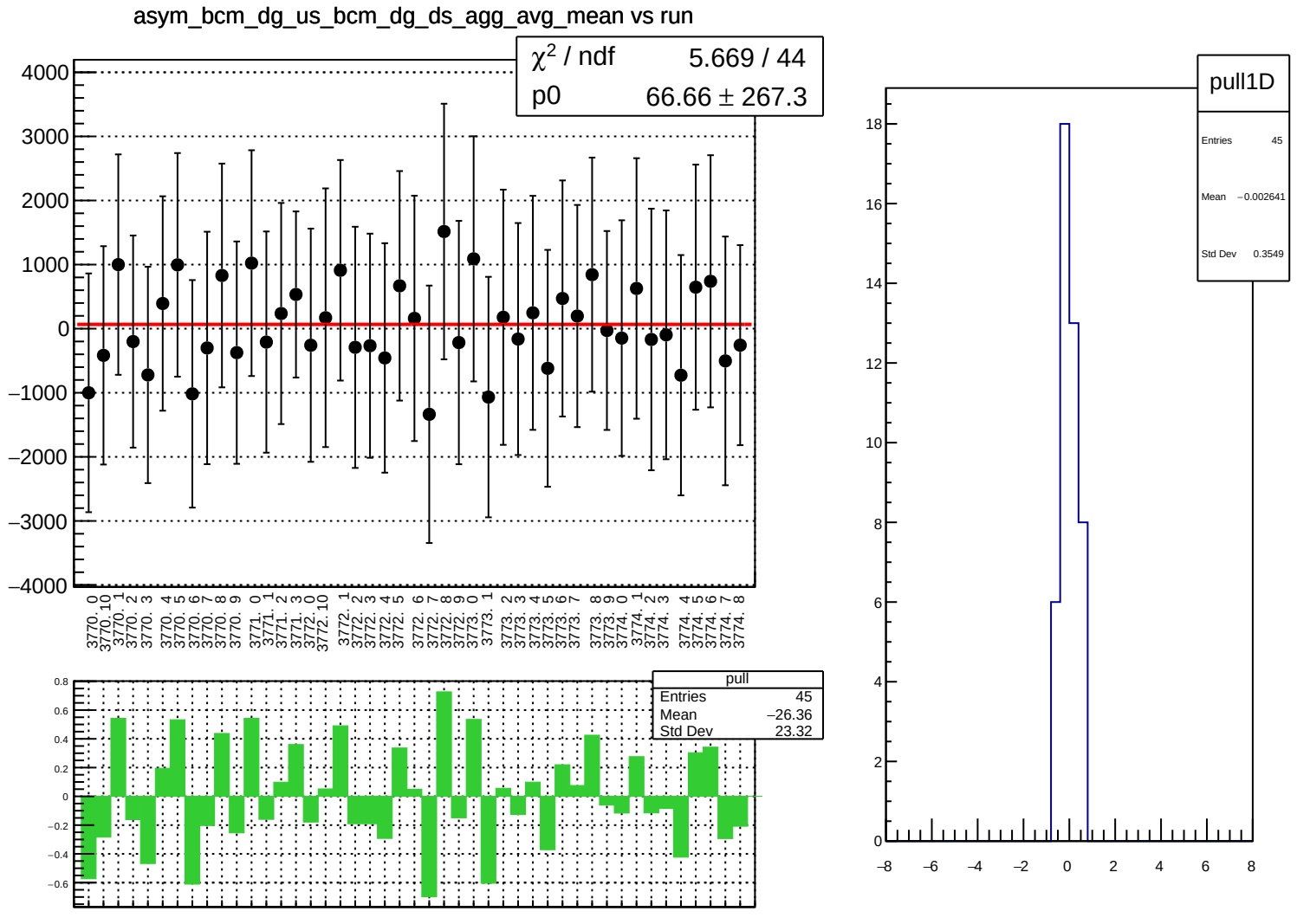
3774. 7
3774. 8


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.669 / 44
p0 66.66 ± 267.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
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3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −26.36
Std Dev 23.32
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.002641
Std Dev 0.3549
18
16
14
12
10
8
6
4
2
0
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−4
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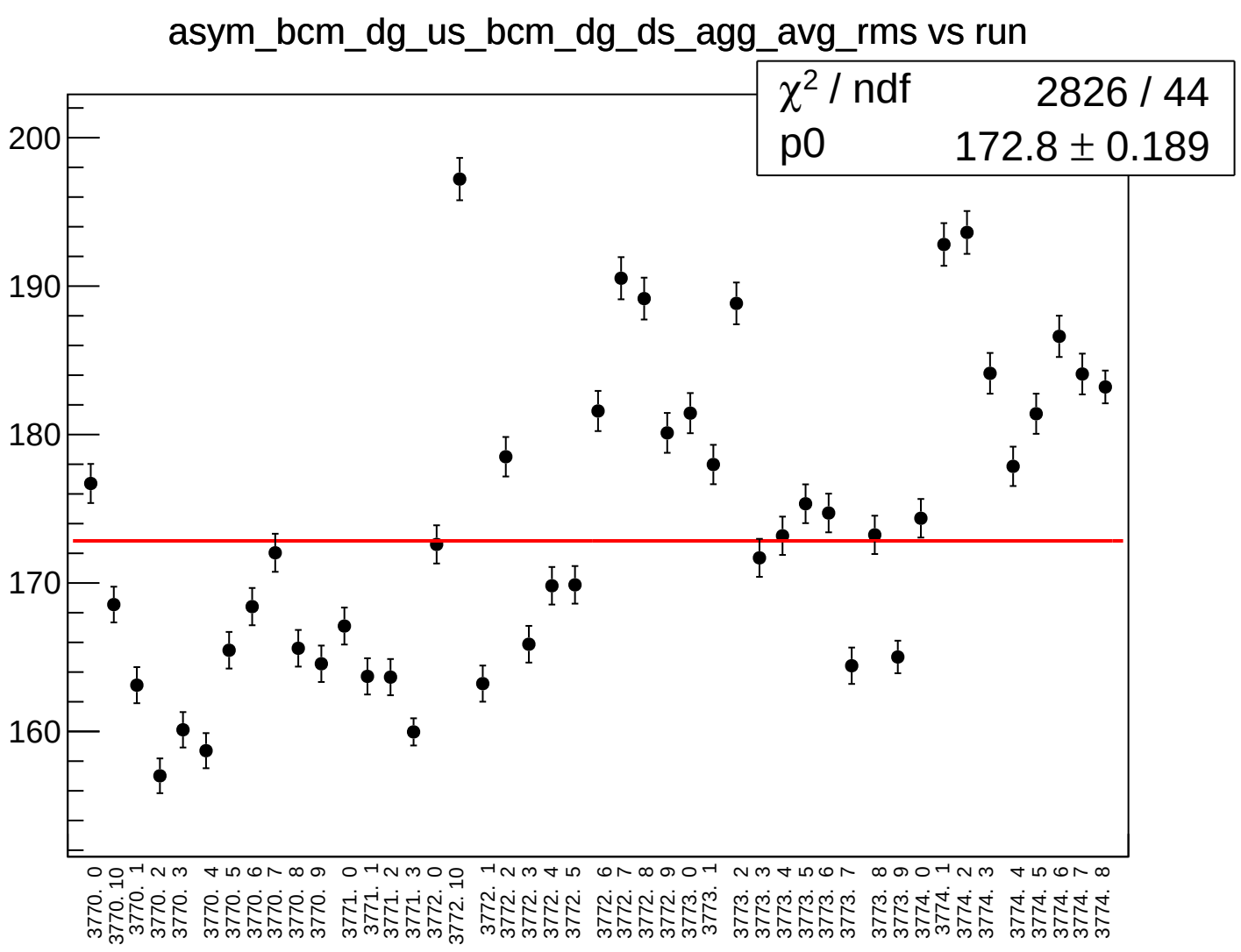
0
2
4
6
8


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2826 / 44
p0 172.8 ± 0.189
200
190
180
170
160
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
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3772. 5
3772. 6
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3773. 0
3773. 1
3773. 2
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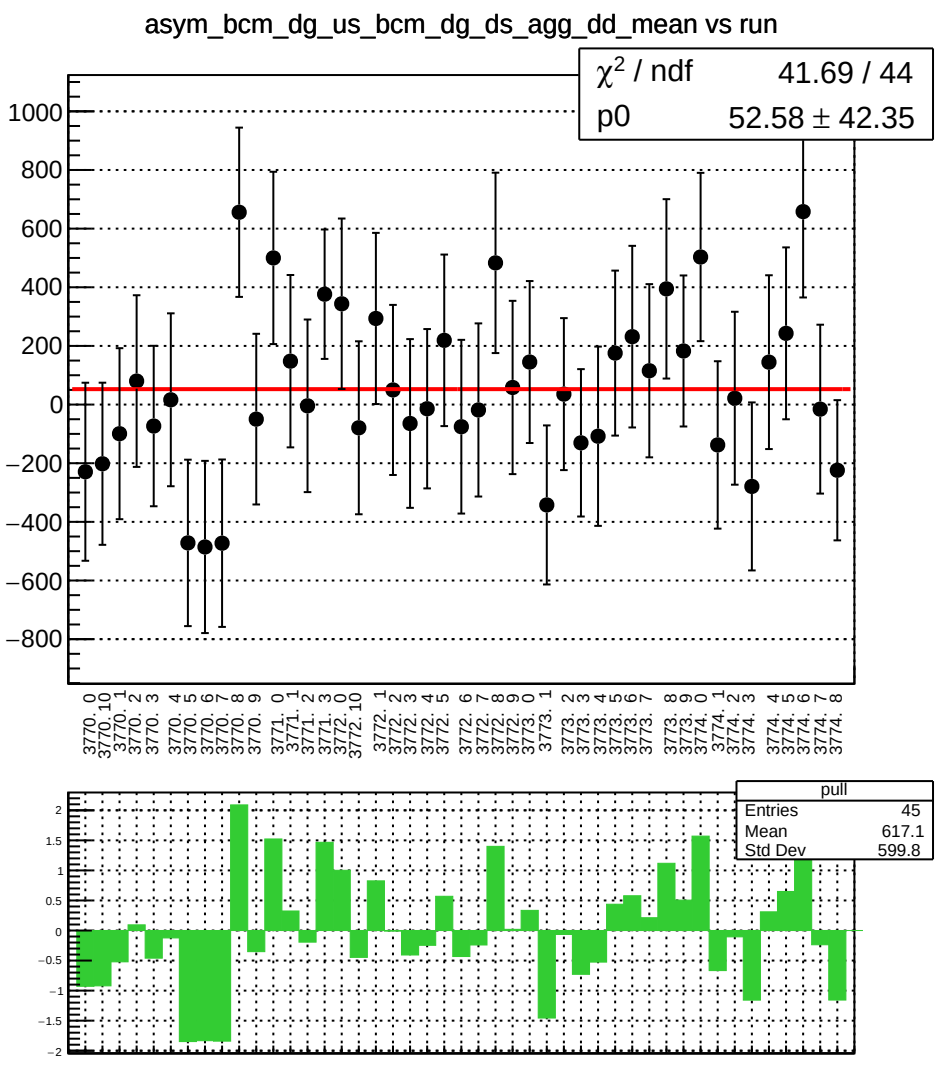
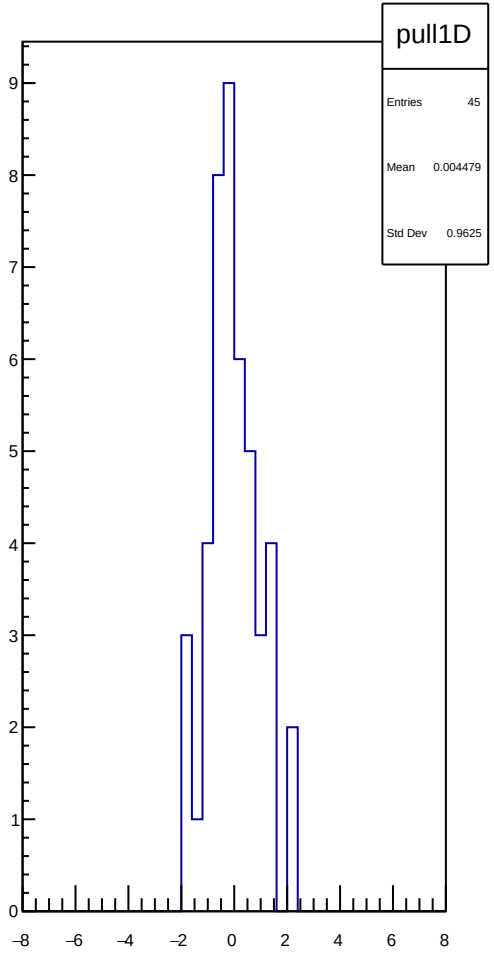
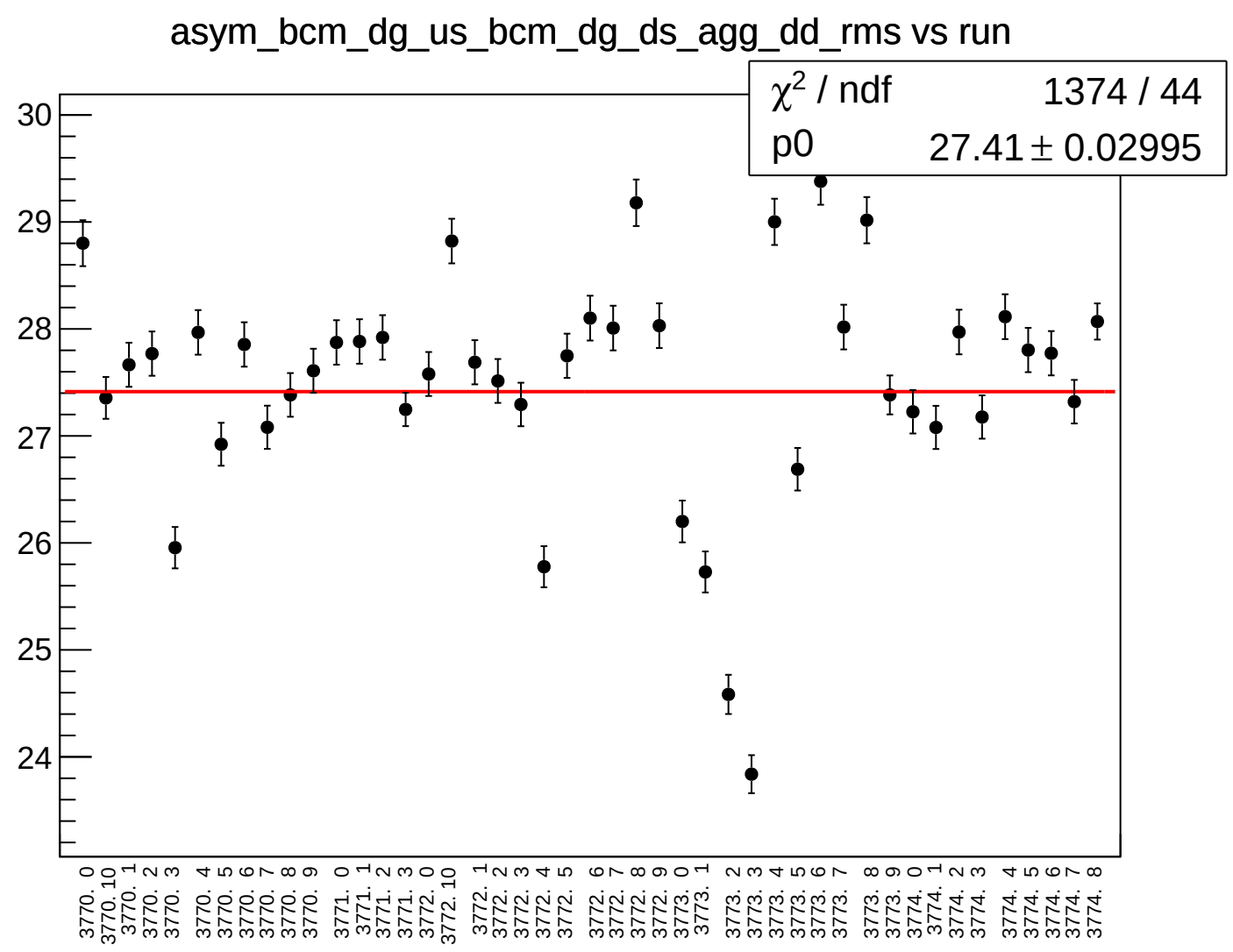

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 41.69 / 44
p0 52.58 ± 42.35
pull
Entries 45
Mean 617.1
Std Dev 599.8


pull1D
Entries 45
Mean 0.004479
Std Dev 0.9625


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1374 / 44
p0 27.41 ± 0.02995
30
29
28
27
26
25
24
3770. 0
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3770. 1
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3772. 1
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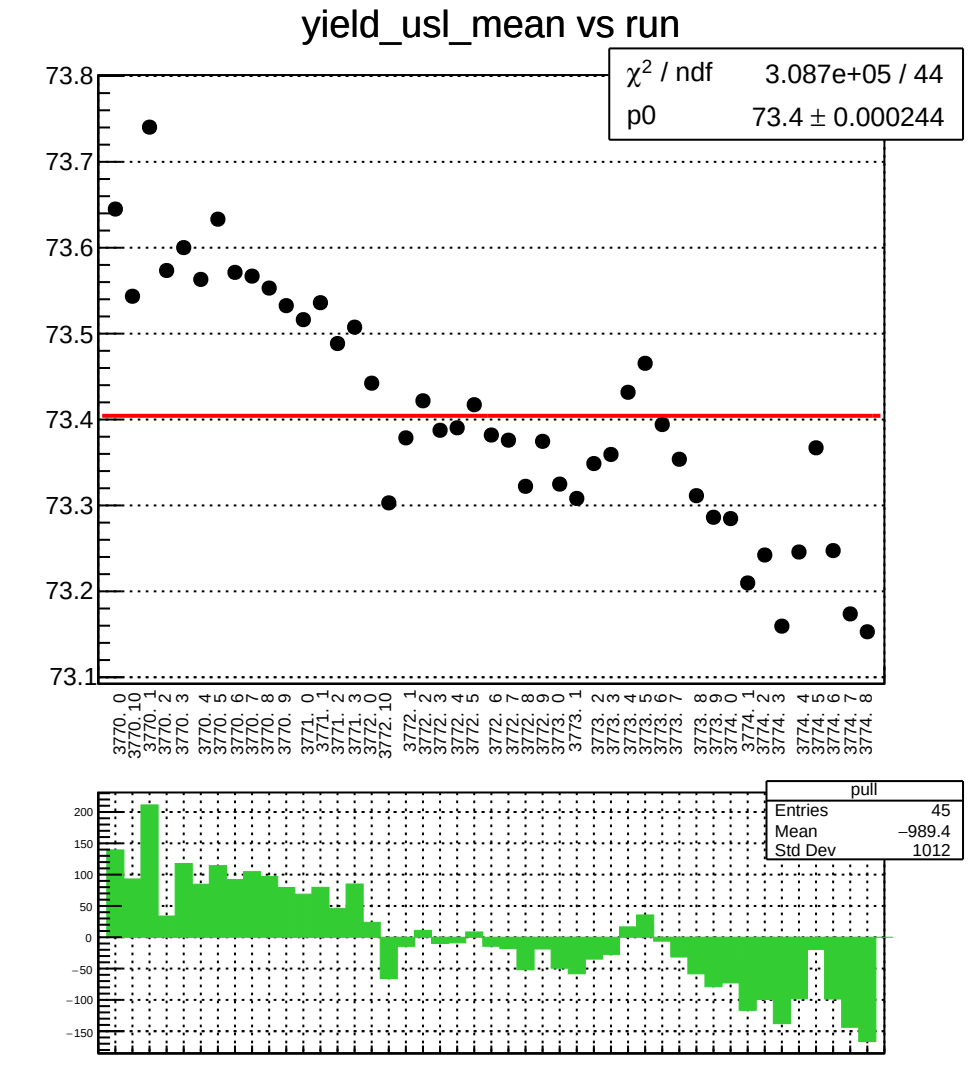
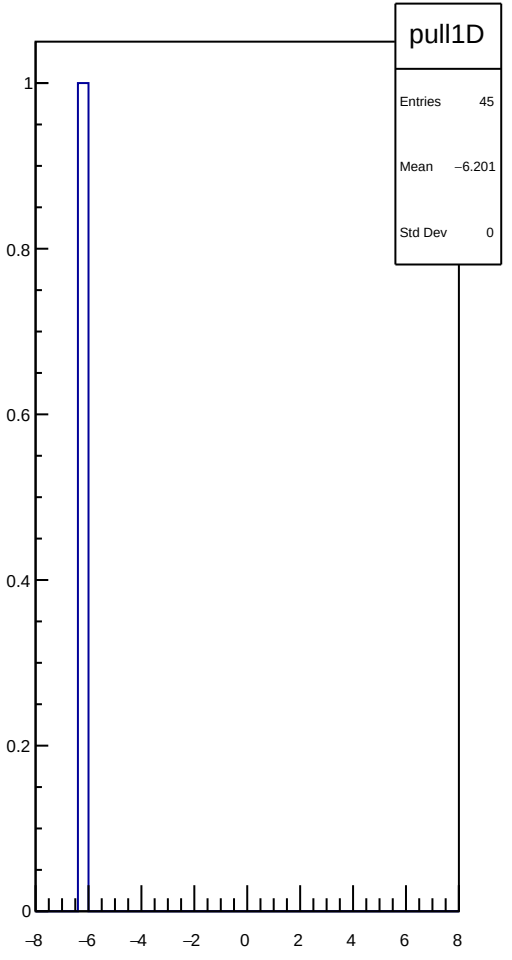
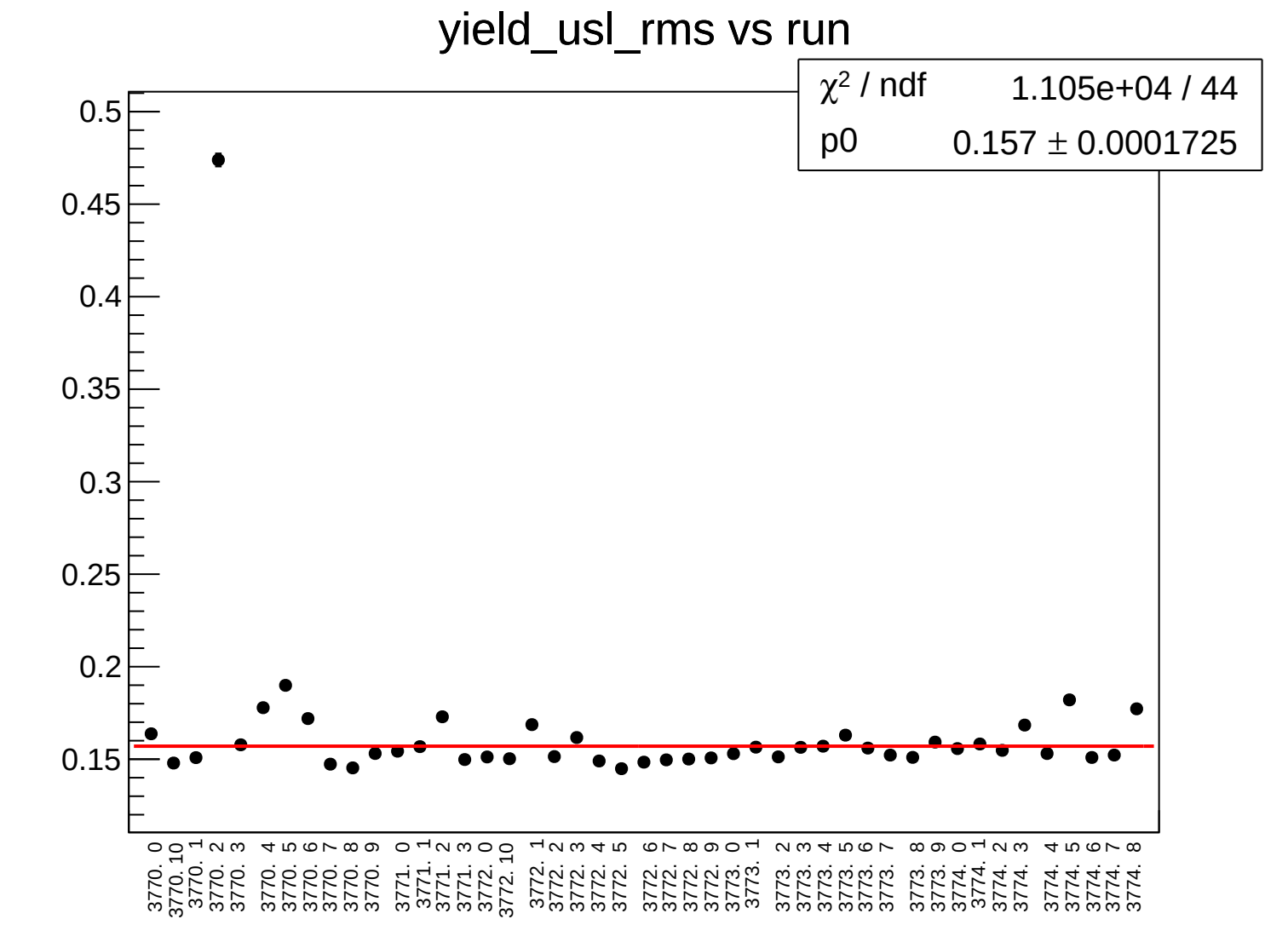
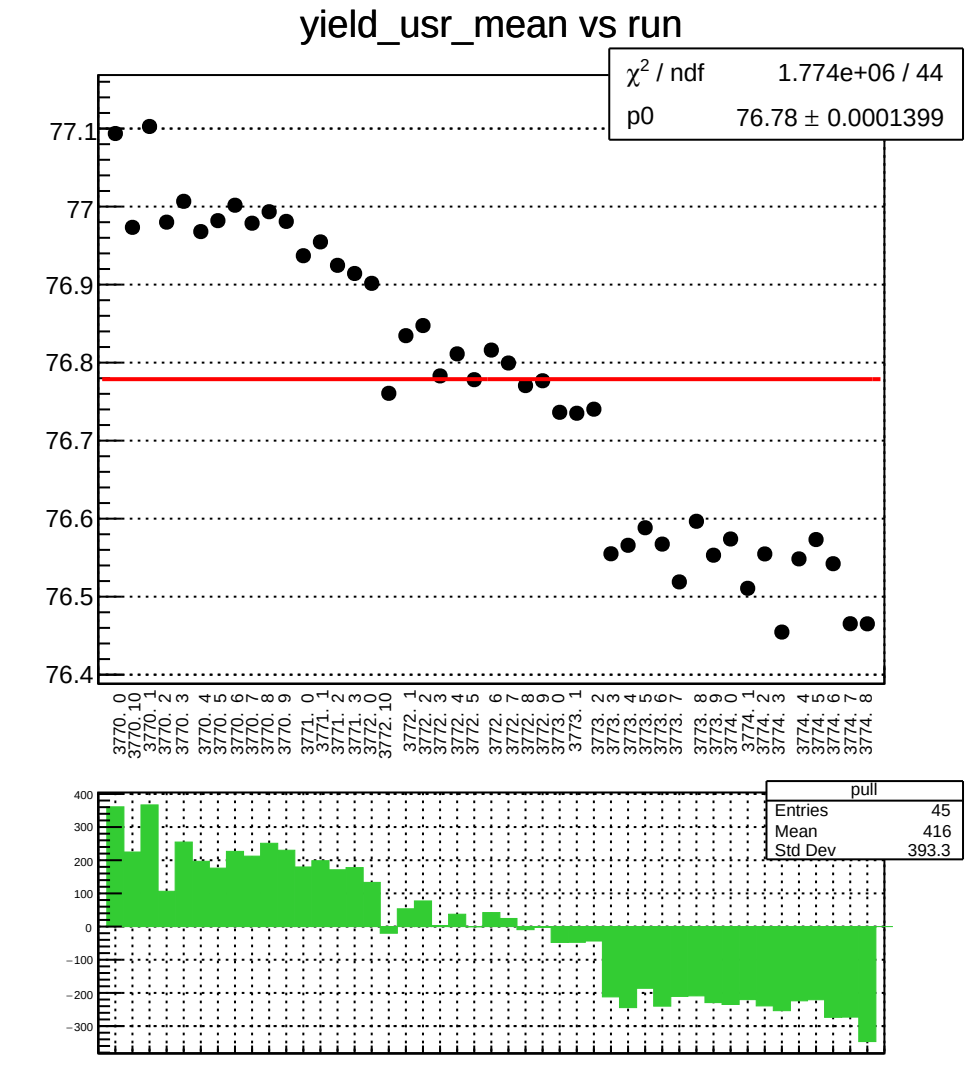
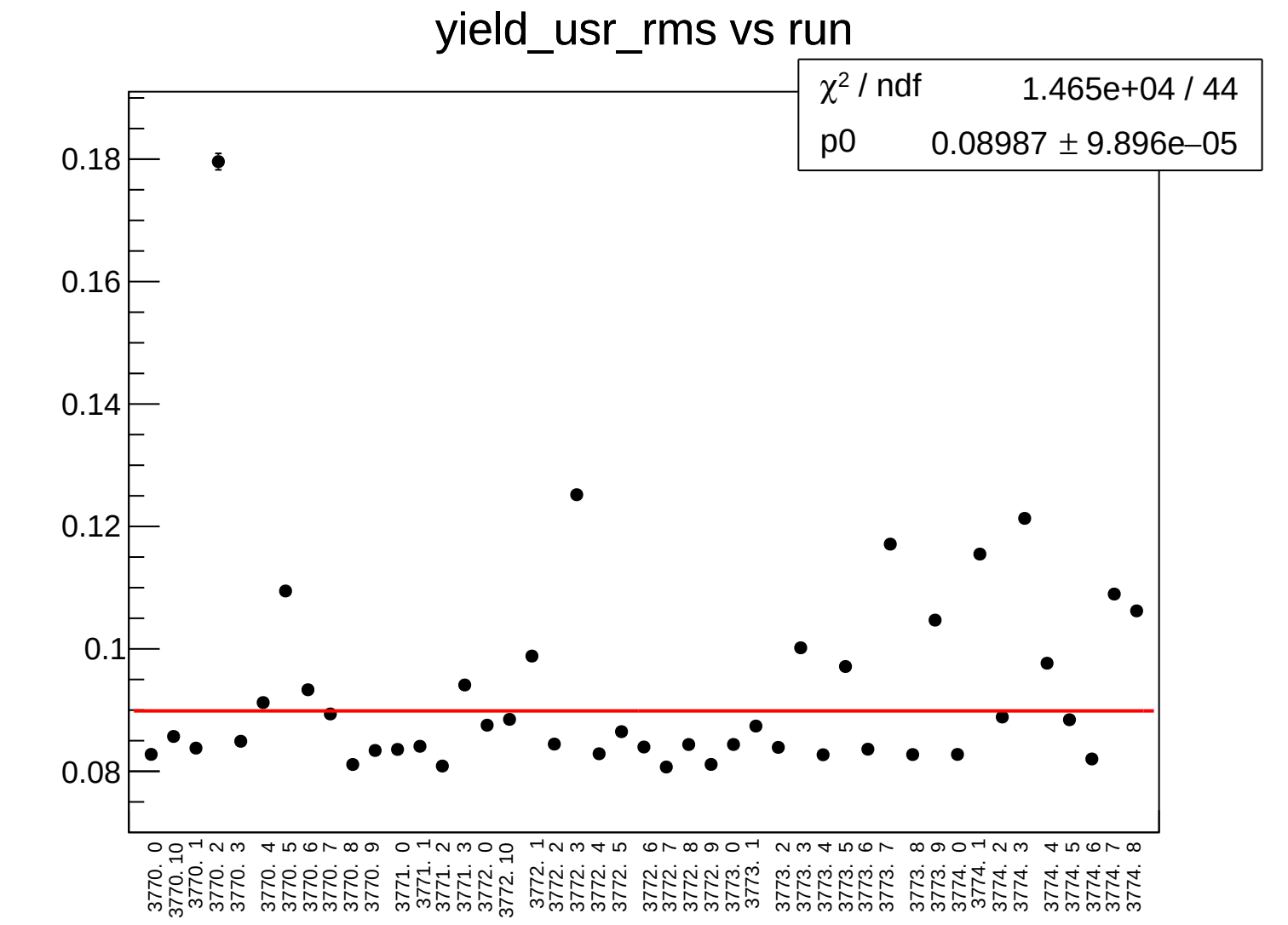
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

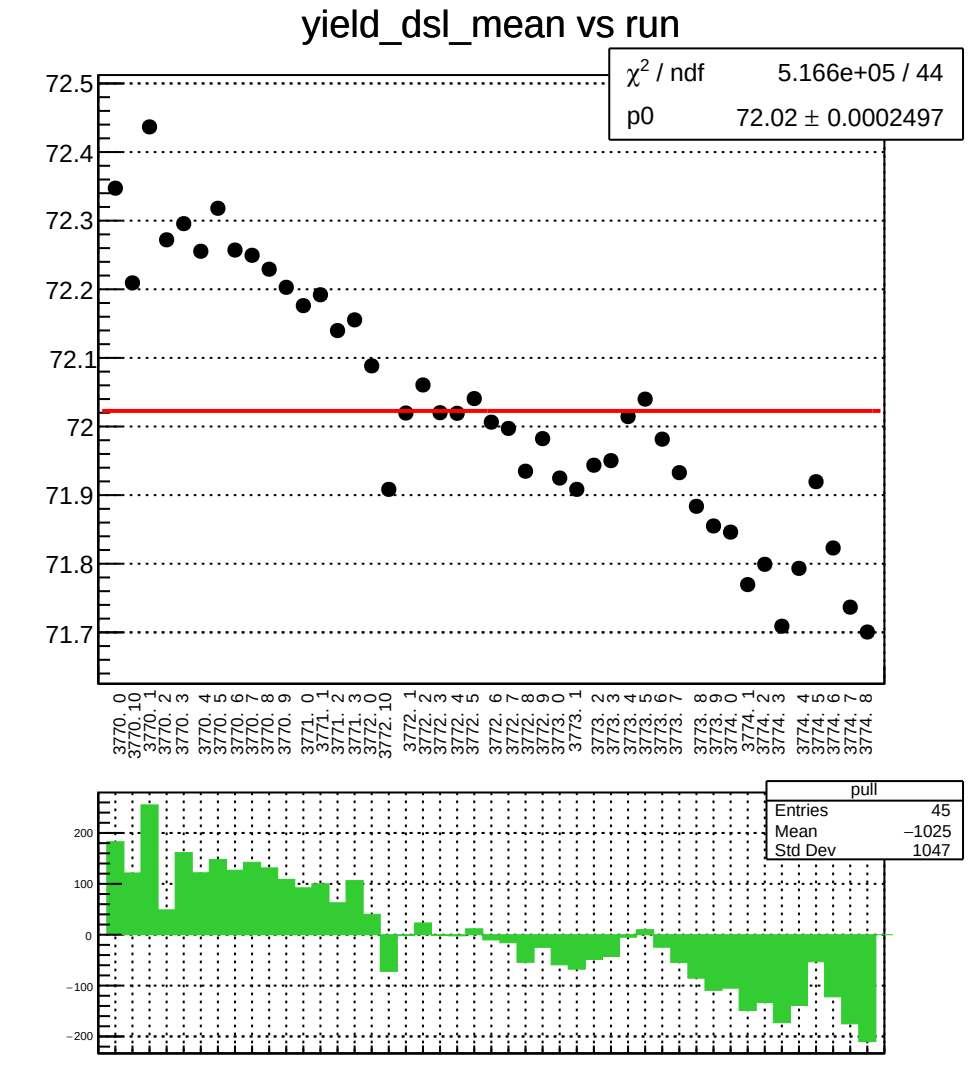

yield_usl_mean vs run
χ² / ndf 3.087e+05 / 44
p0 73.4 ± 0.000244
73.8
73.7
73.6
73.5
73.4
73.3
73.2
73.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −989.4
Std Dev 1012
200
150
100
50
0
−50
−100
−150

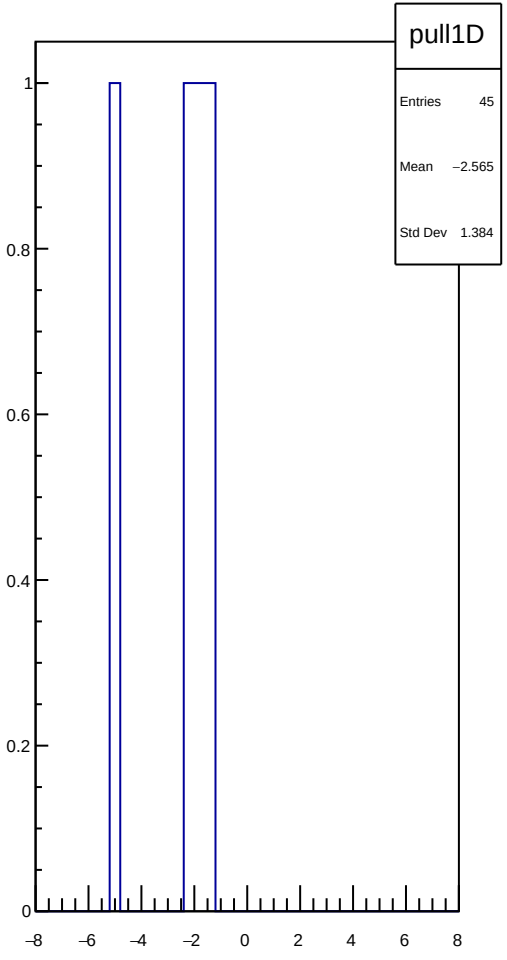

pull1D
Entries 45
Mean −6.201
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

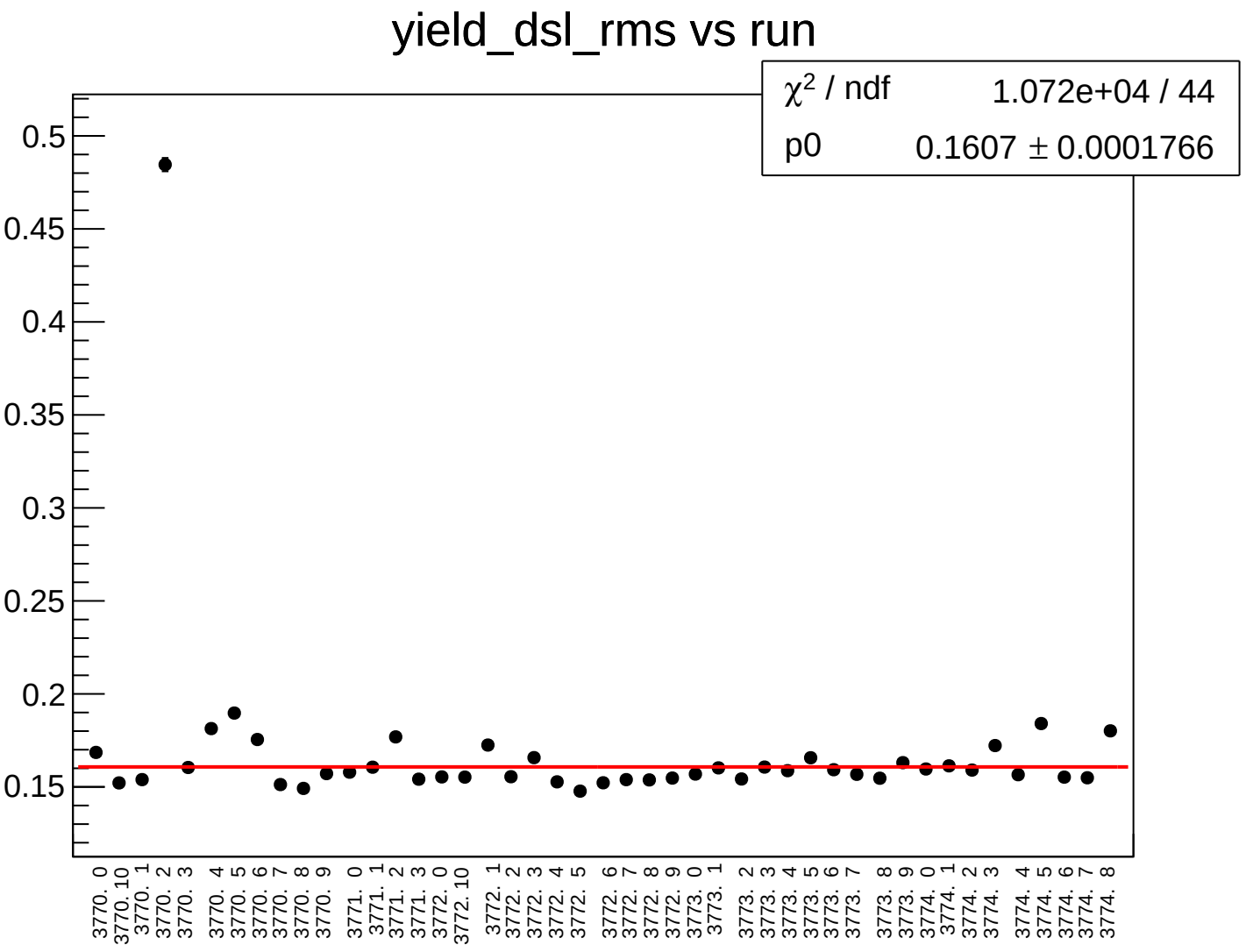

yield_usl_rms vs run
χ² / ndf 1.105e+04 / 44
p0 0.157 ± 0.0001725
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

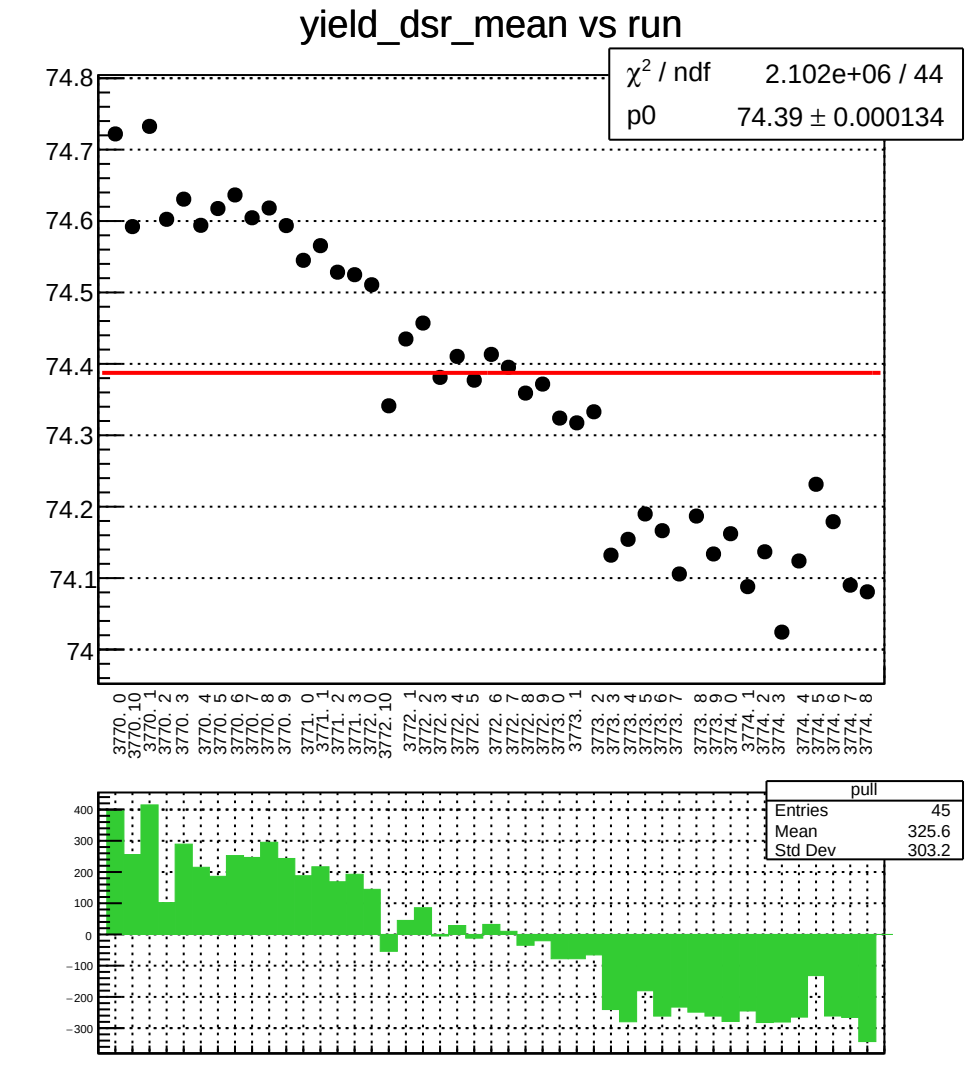

yield_usr_mean vs run
χ² / ndf 1.774e+06 / 44
p0 76.78 ± 0.0001399
77.1
77
76.9
76.8
76.7
76.6
76.5
76.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 416
Std Dev 393.3
400
300
200
100
0
−100
−200
−300
pull1D
Entries 45
Mean 0.02469
Std Dev 2.319
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

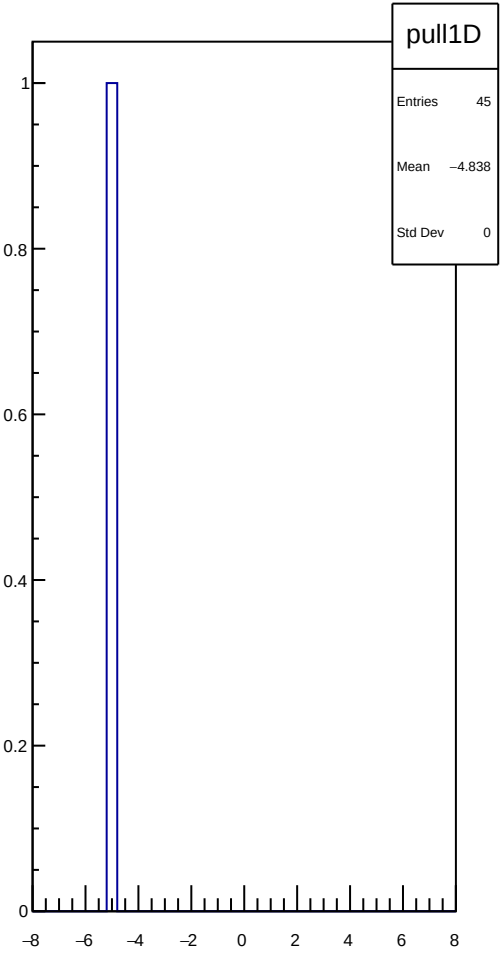

yield_usr_rms vs run
χ² / ndf 1.465e+04 / 44
p0 0.08987 ± 9.896e–05
0.18
0.16
0.14
0.12
0.1
0.08
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

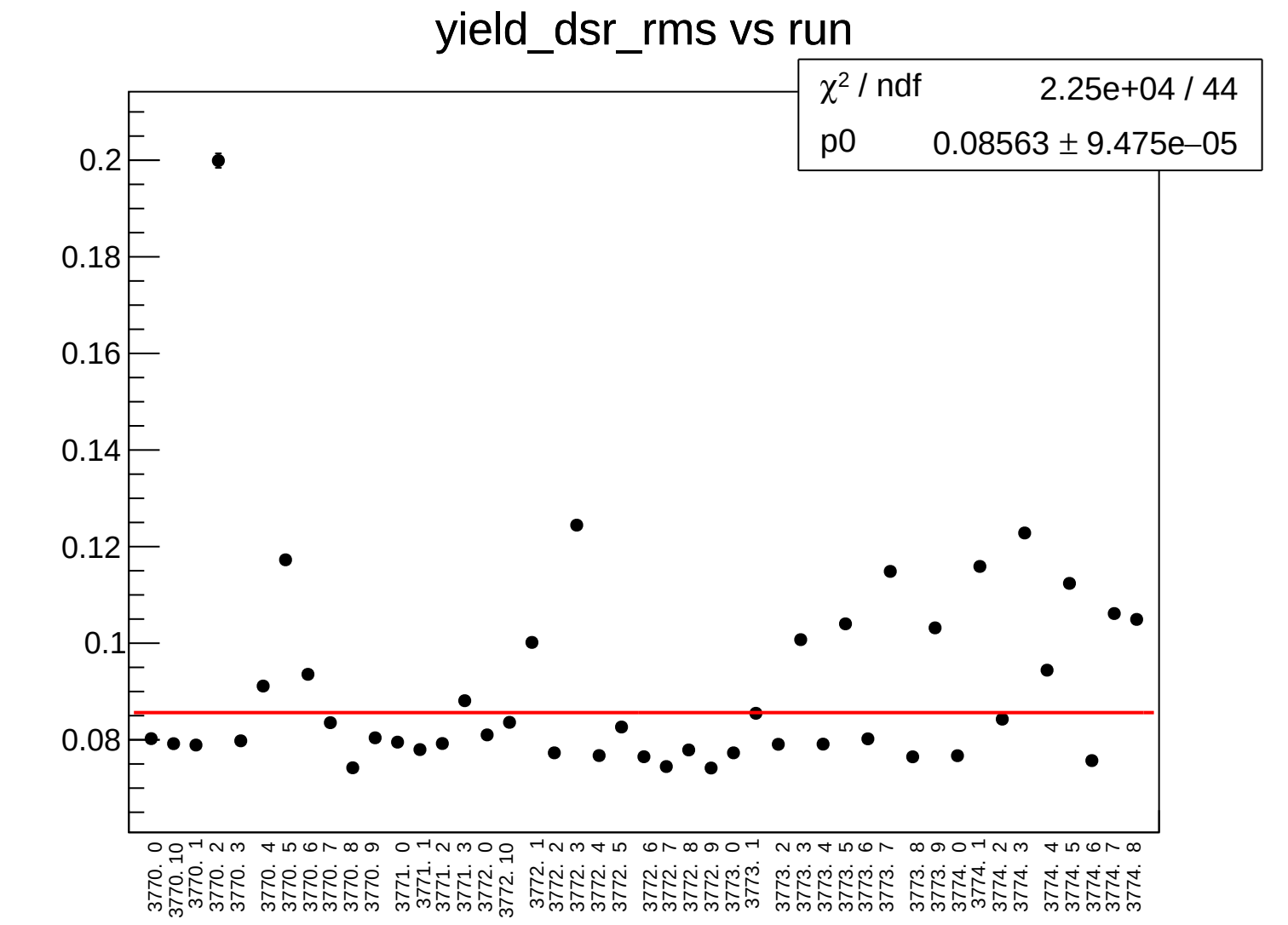

yield_dsl_mean vs run
χ² / ndf 5.166e+05 / 44
p0 72.02 ± 0.0002497
72.5
72.4
72.3
72.2
72.1
72
71.9
71.8
71.7
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1025
Std Dev 1047
200
100
0
−100
−200

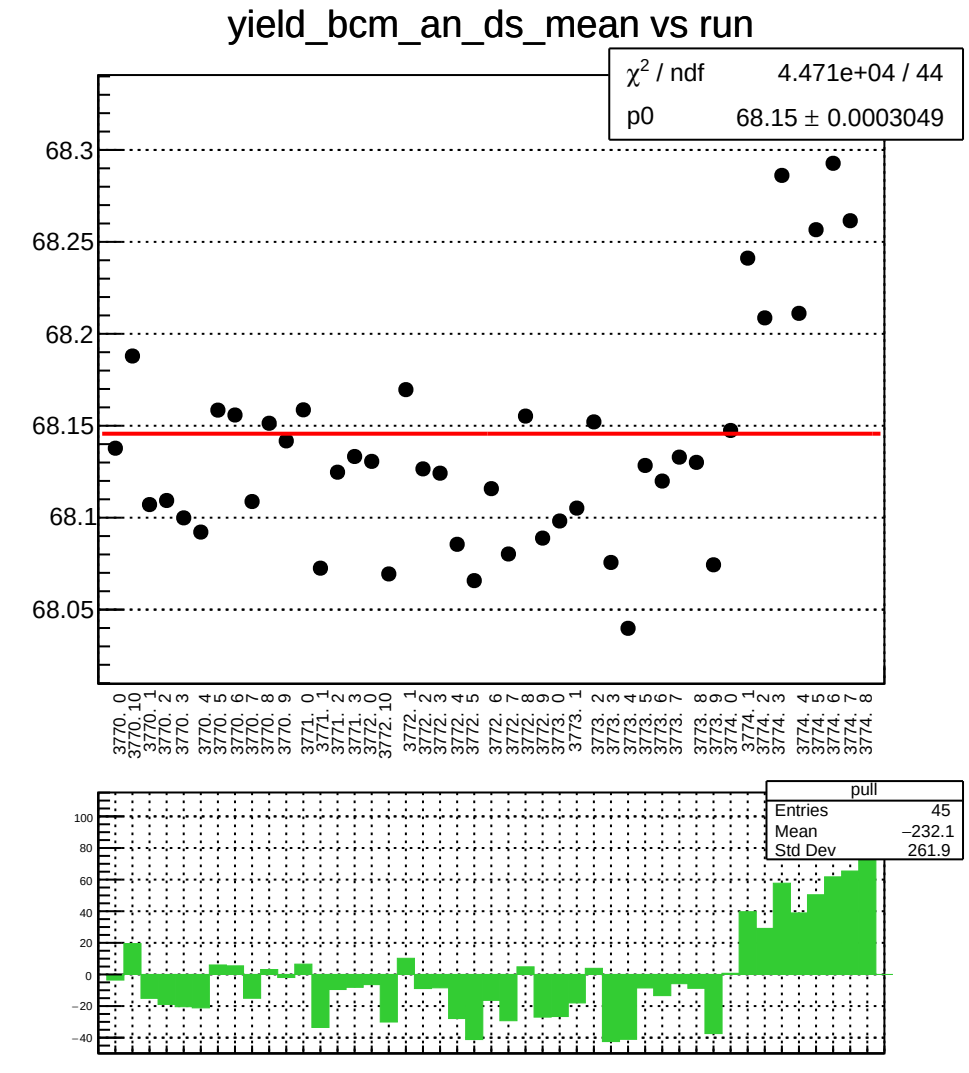

pull1D
Entries 45
Mean −2.565
Std Dev 1.384
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

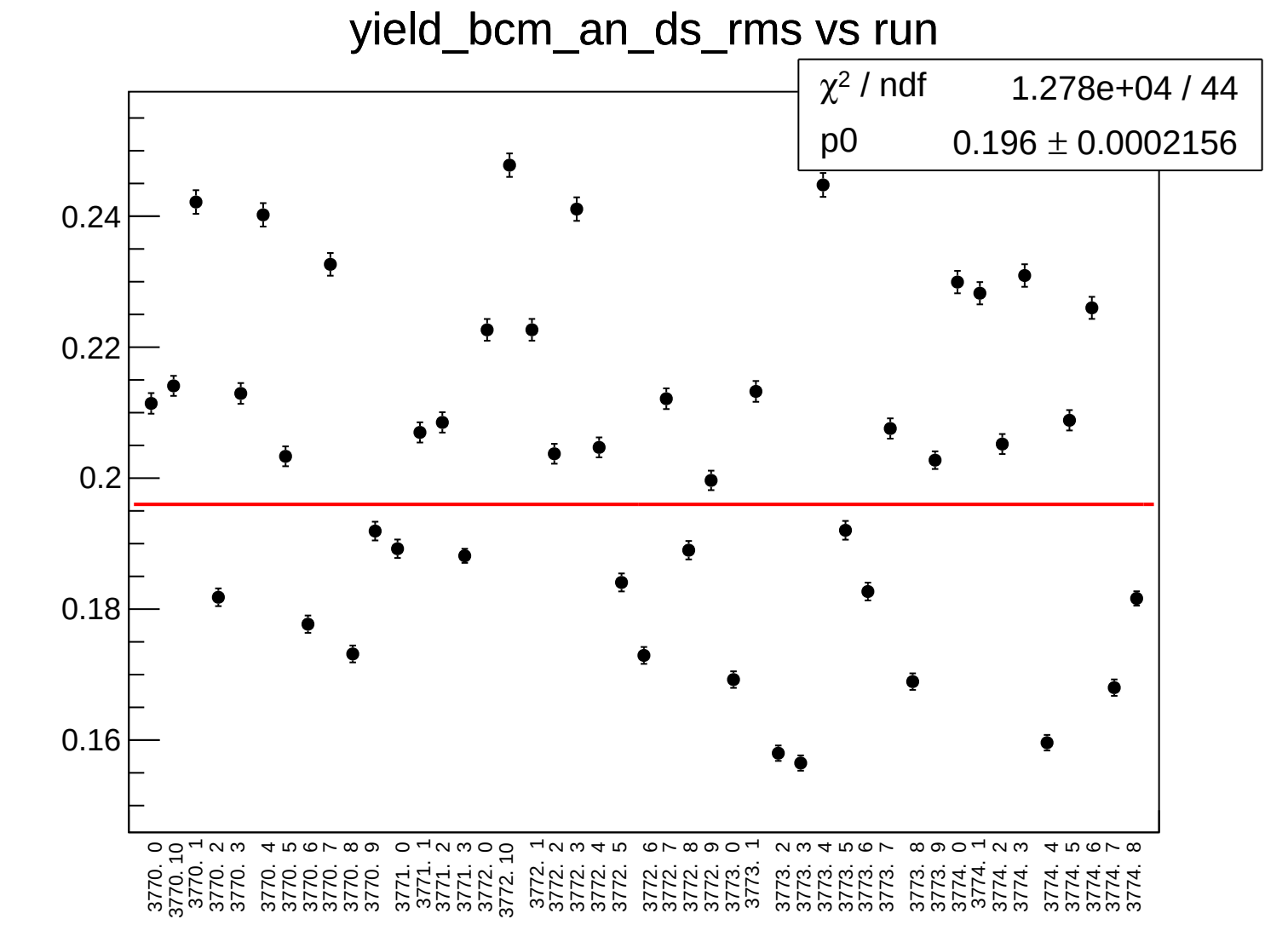

yield_dsl_rms vs run
χ² / ndf 1.072e+04 / 44
p0 0.1607 ± 0.0001766
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

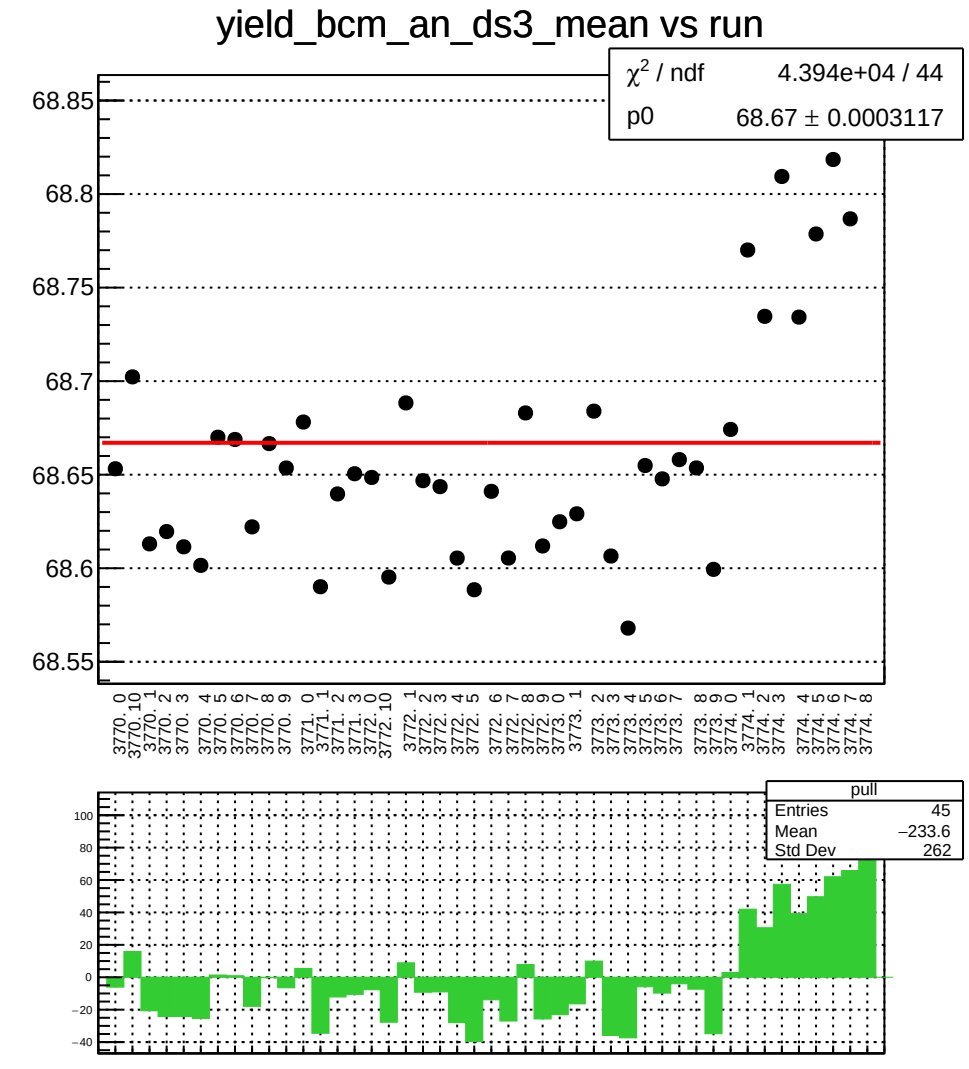

yield_dsr_mean vs run
χ² / ndf 2.102e+06 / 44
p0 74.39 ± 0.000134
74.8
74.7
74.6
74.5
74.4
74.3
74.2
74.1
74
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 325.6
Std Dev 303.2
400
300
200
100
0
−100
−200
−300

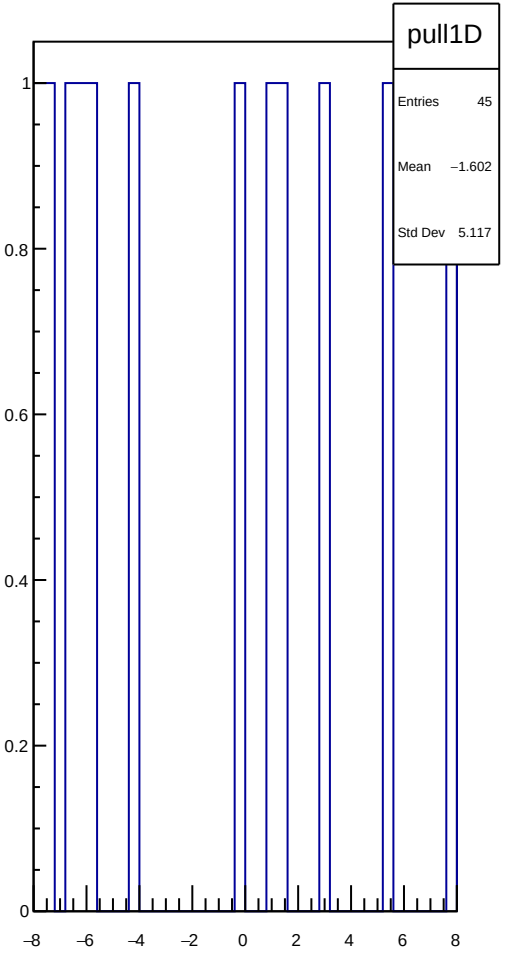

pull1D
Entries 45
Mean −4.838
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

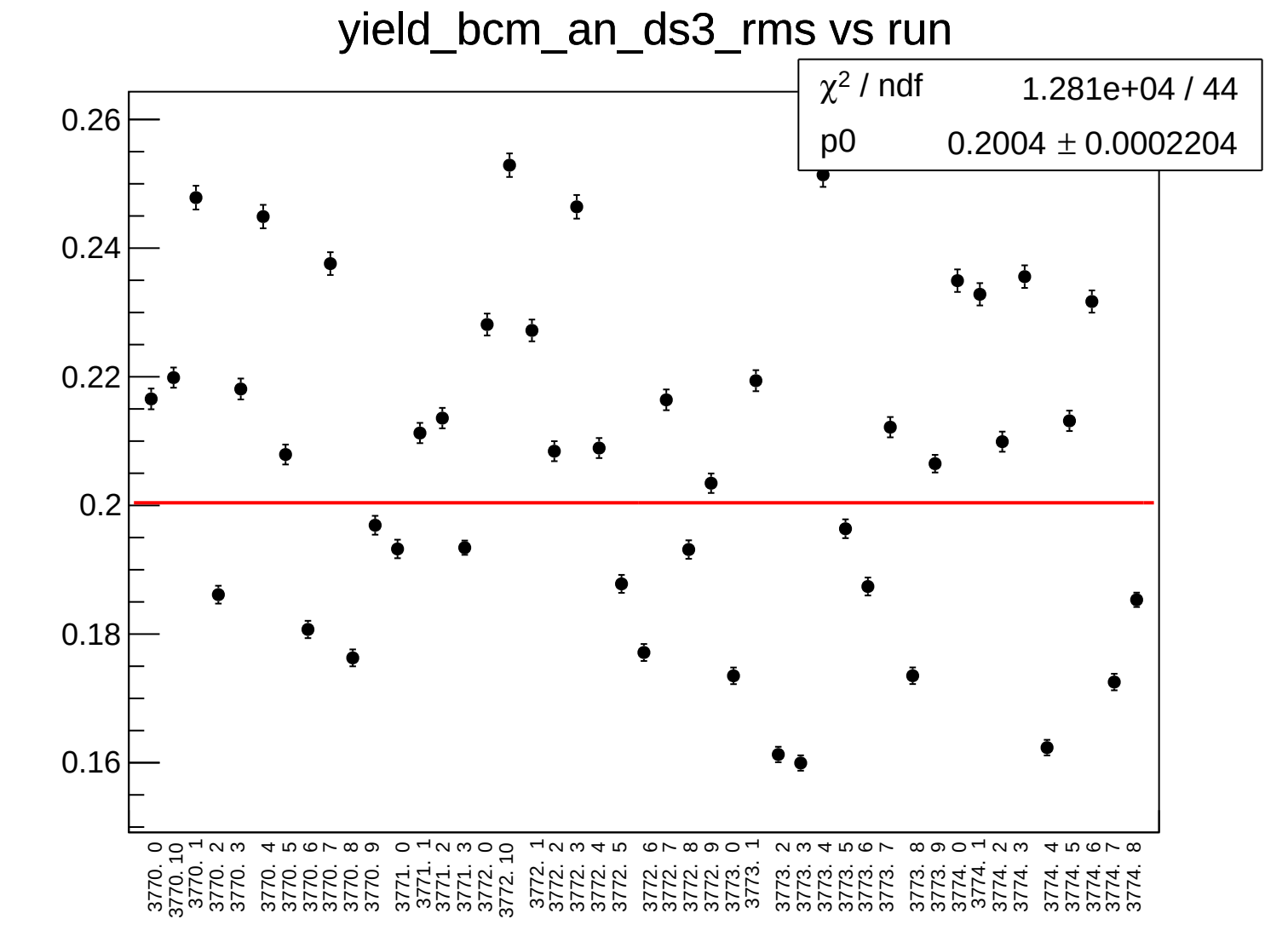

yield_dsr_rms vs run
χ² / ndf 2.25e+04 / 44
p0 0.08563 ± 9.475e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

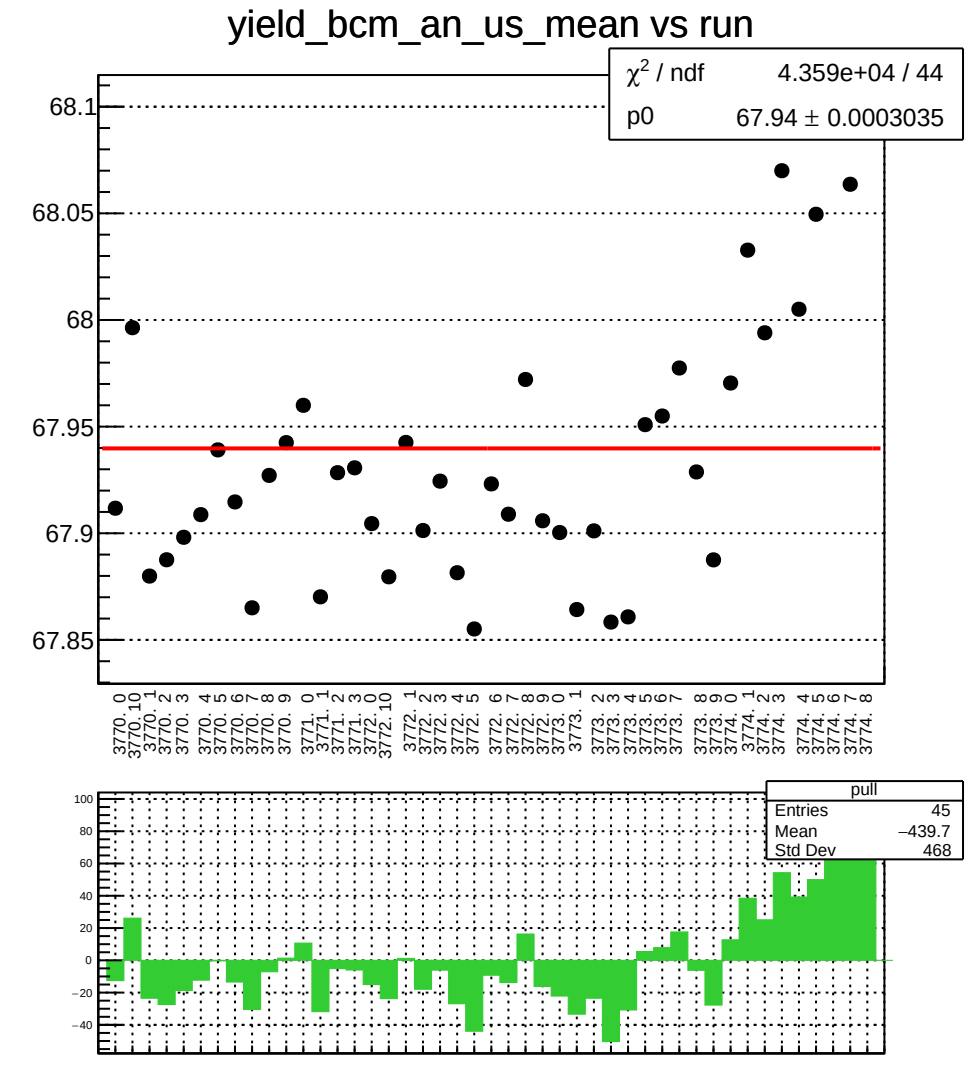

yield_bcm_an_ds_mean vs run
χ² / ndf 4.471e+04 / 44
p0 68.15 ± 0.0003049
68.3
68.25
68.2
68.15
68.1
68.05
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −232.1
Std Dev 261.9
100
80
60
40
20
0
−20
−40
pull1D
Entries 45
Mean 1.158
Std Dev 4.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

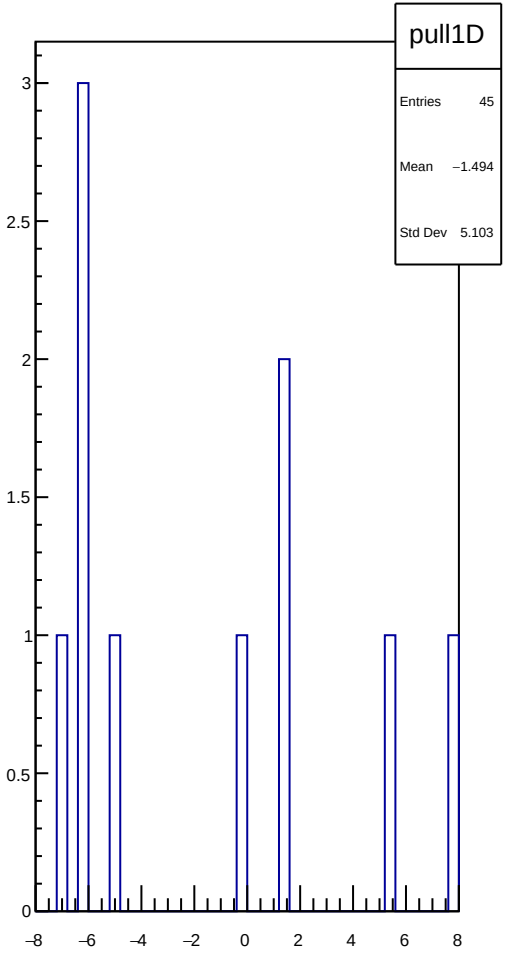

yield_bcm_an_ds_rms vs run
χ² / ndf 1.278e+04 / 44
p0 0.196 ± 0.0002156
0.24
0.22
0.2
0.18
0.16
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

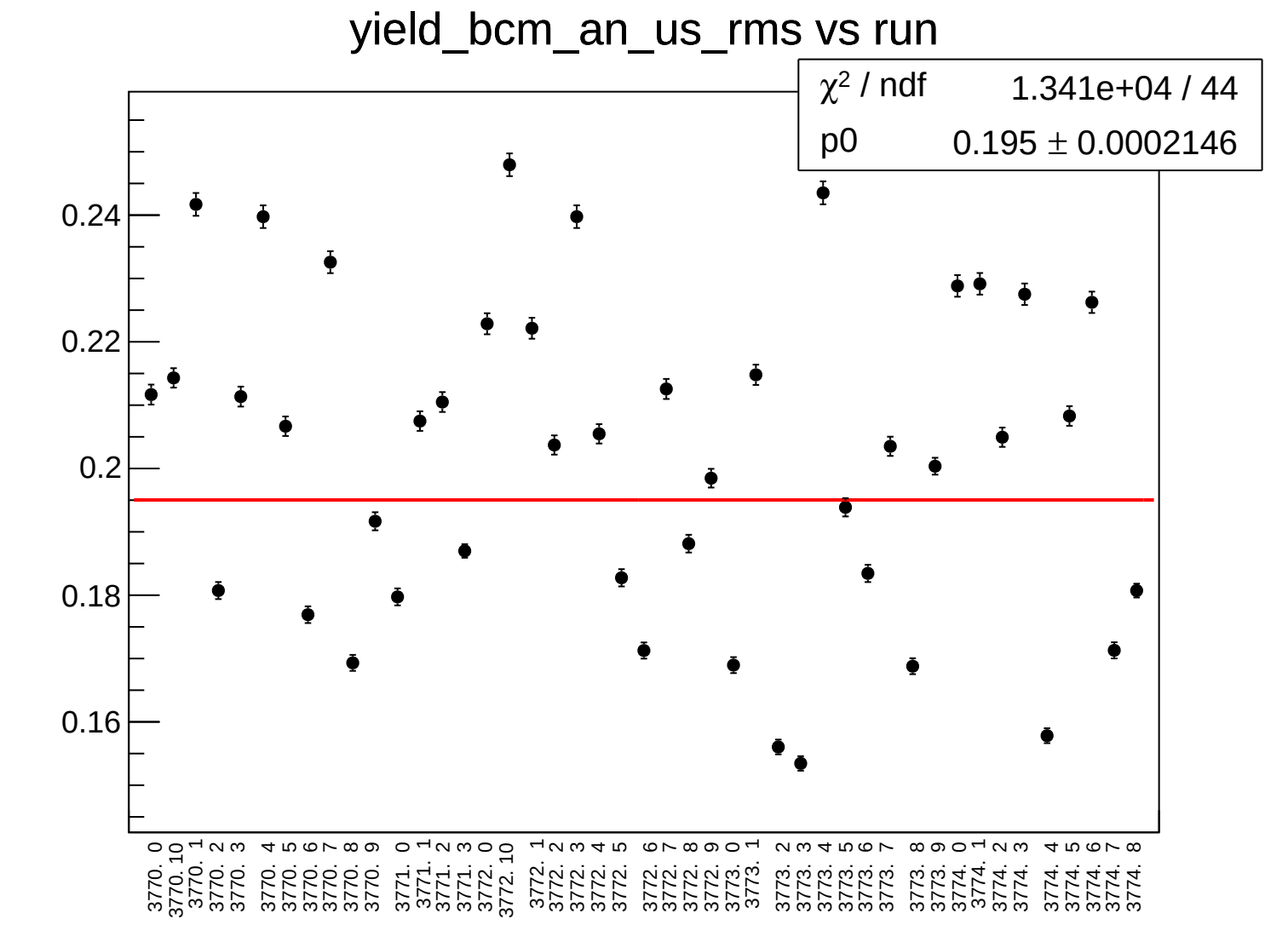

yield_bcm_an_ds3_mean vs run
χ² / ndf 4.394e+04 / 44
p0 68.67 ± 0.0003117
68.85
68.8
68.75
68.7
68.65
68.6
68.55
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −233.6
Std Dev 262
100
80
60
40
20
0
−20
−40

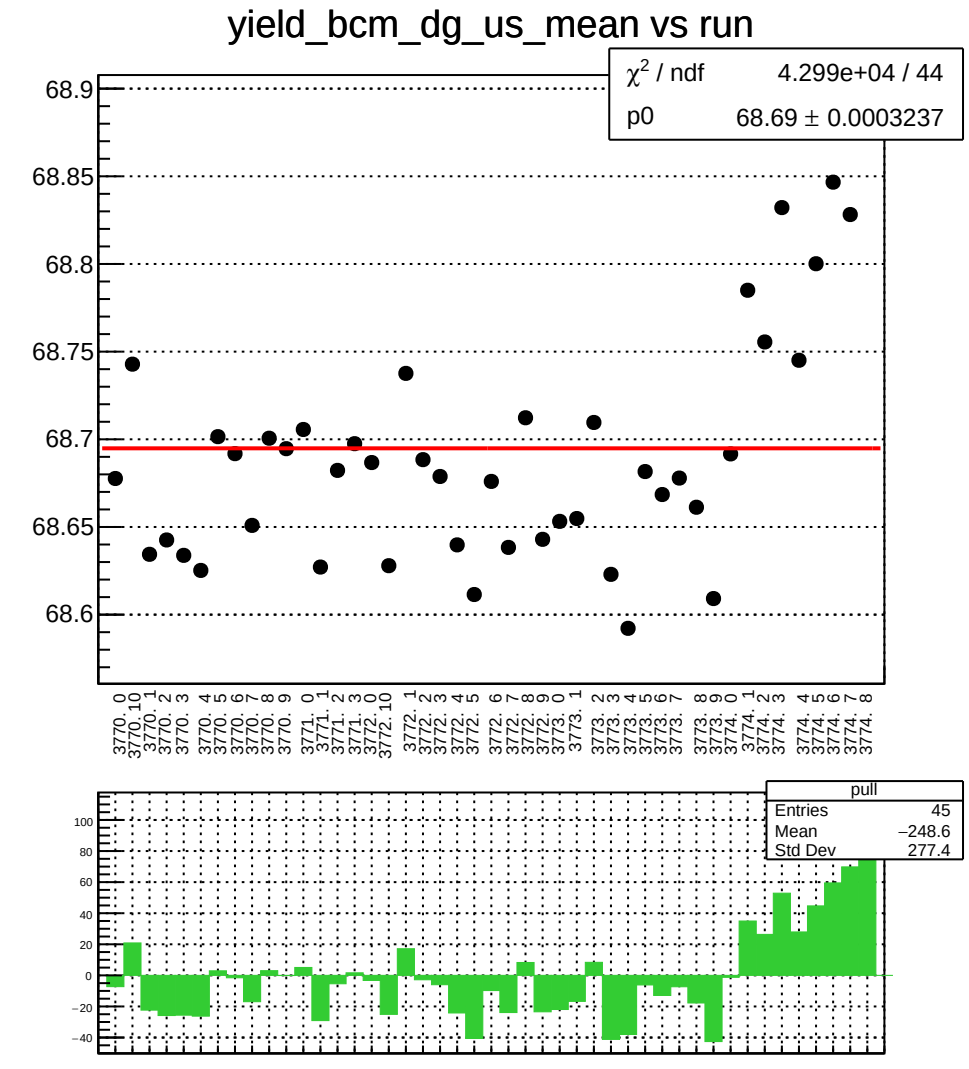

pull1D
Entries 45
Mean −1.602
Std Dev 5.117
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

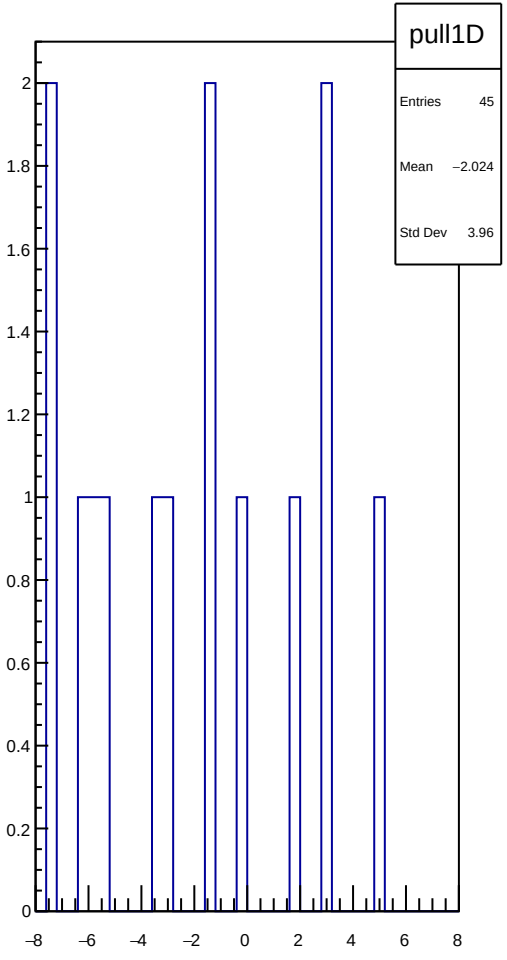

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.281e+04 / 44
p0 0.2004 ± 0.0002204
0.26
0.24
0.22
0.2
0.18
0.16
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

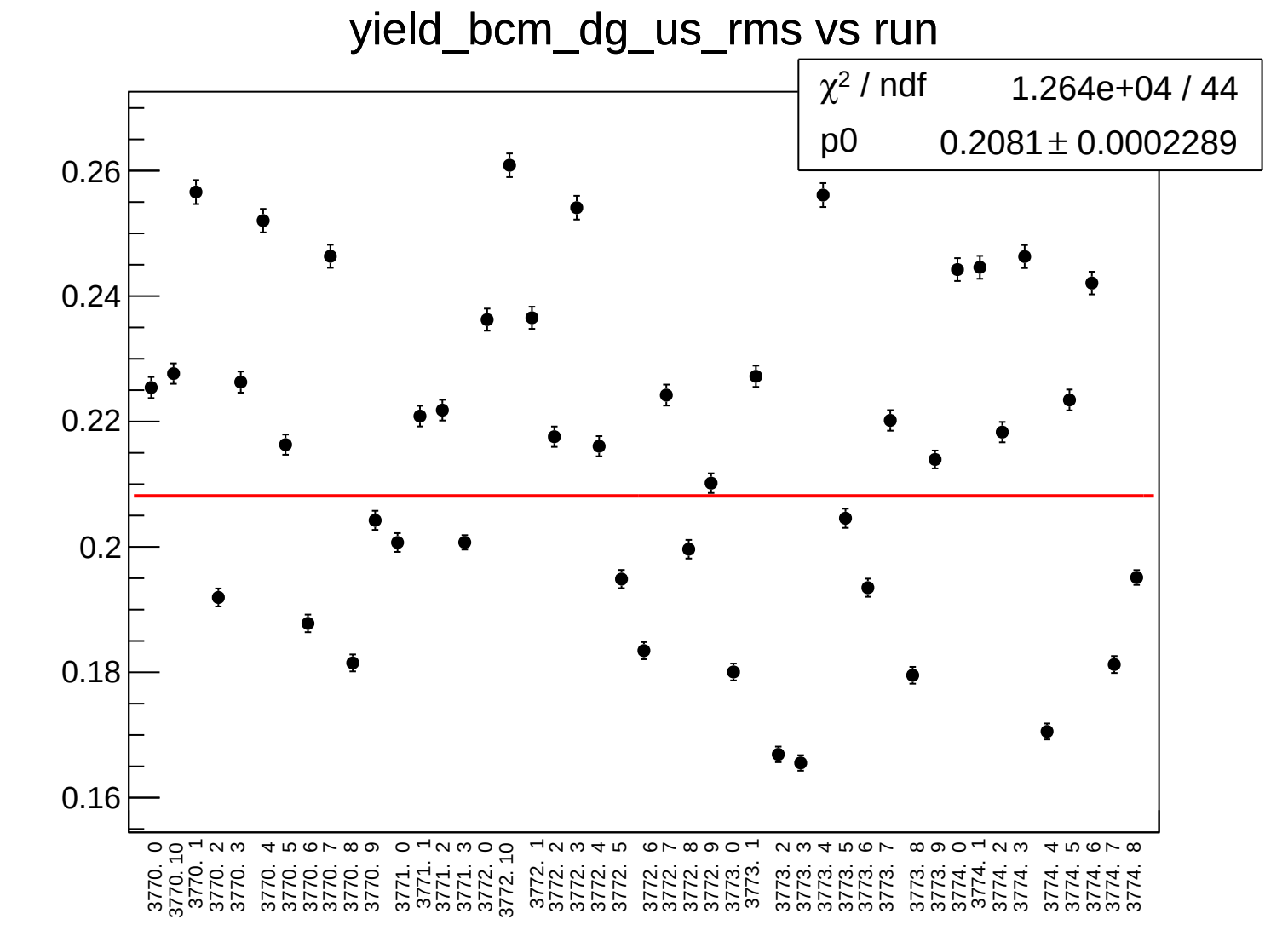

yield_bcm_an_us_mean vs run
χ² / ndf 4.359e+04 / 44
p0 67.94 ± 0.0003035
68.1
68.05
68
67.95
67.9
67.85
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −439.7
Std Dev 468
100
80
60
40
20
0
−20
−40

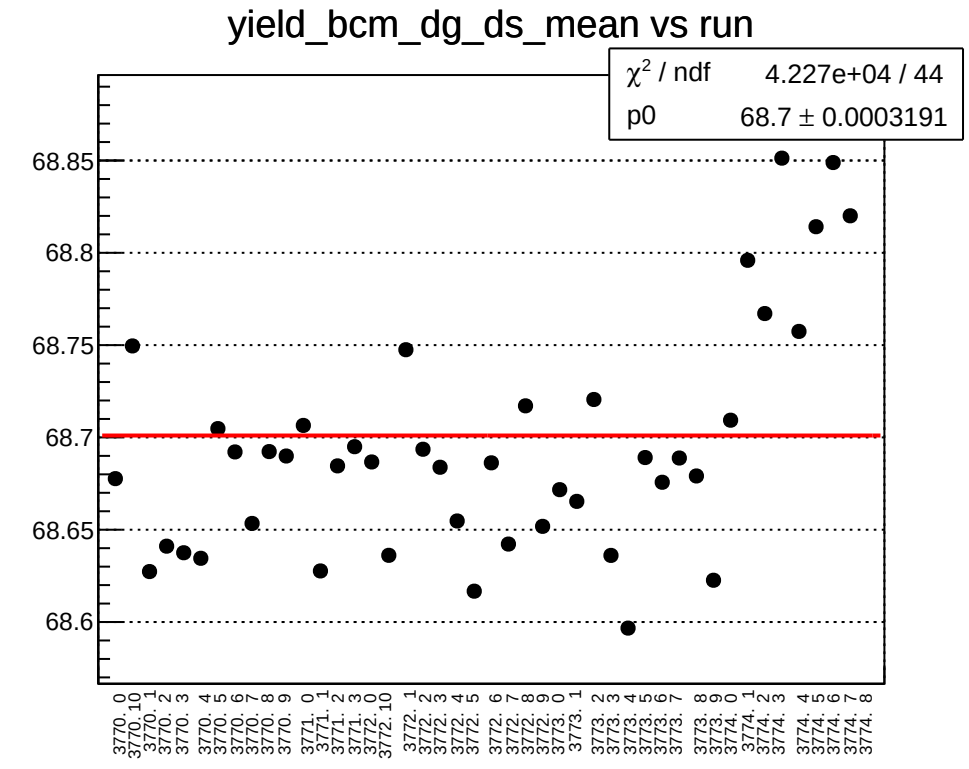

pull1D
Entries 45
Mean −1.494
Std Dev 5.103
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

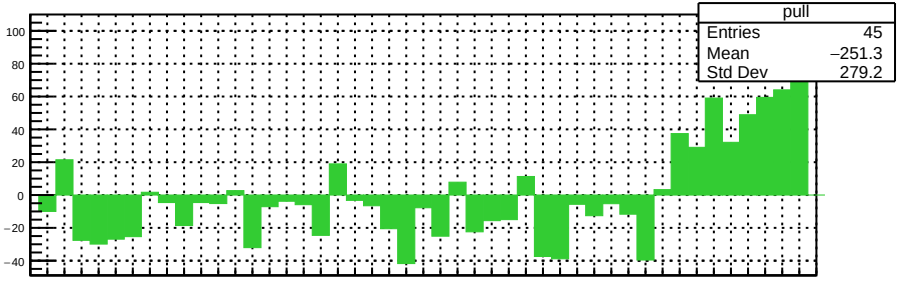

yield_bcm_an_us_rms vs run
χ² / ndf 1.341e+04 / 44
p0 0.195 ± 0.0002146
0.24
0.22
0.2
0.18
0.16
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

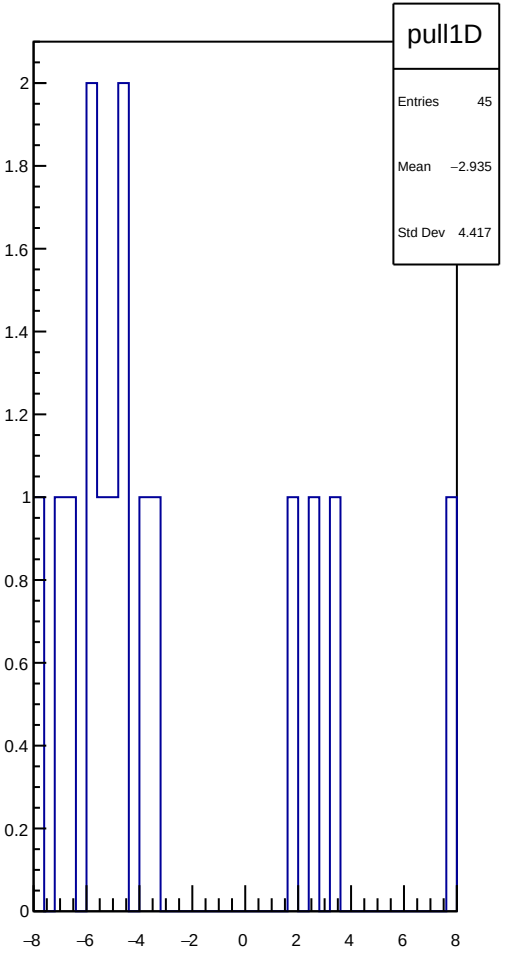

yield_bcm_dg_us_mean vs run
χ² / ndf 4.299e+04 / 44
p0 68.69 ± 0.0003237
68.9
68.85
68.8
68.75
68.7
68.65
68.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −248.6
Std Dev 277.4
100
80
60
40
20
0
−20
−40

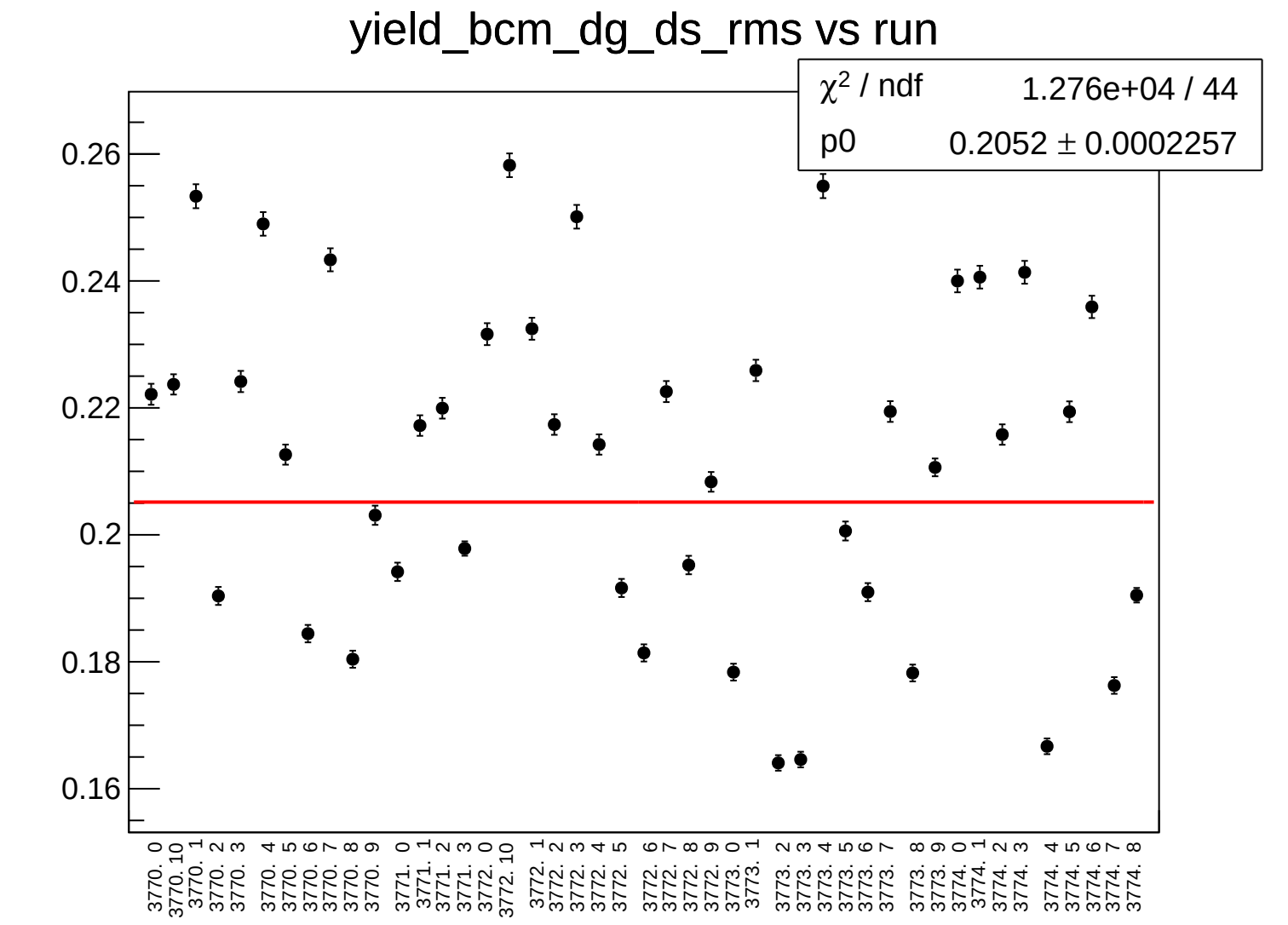

pull1D
Entries 45
Mean −2.024
Std Dev 3.96
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

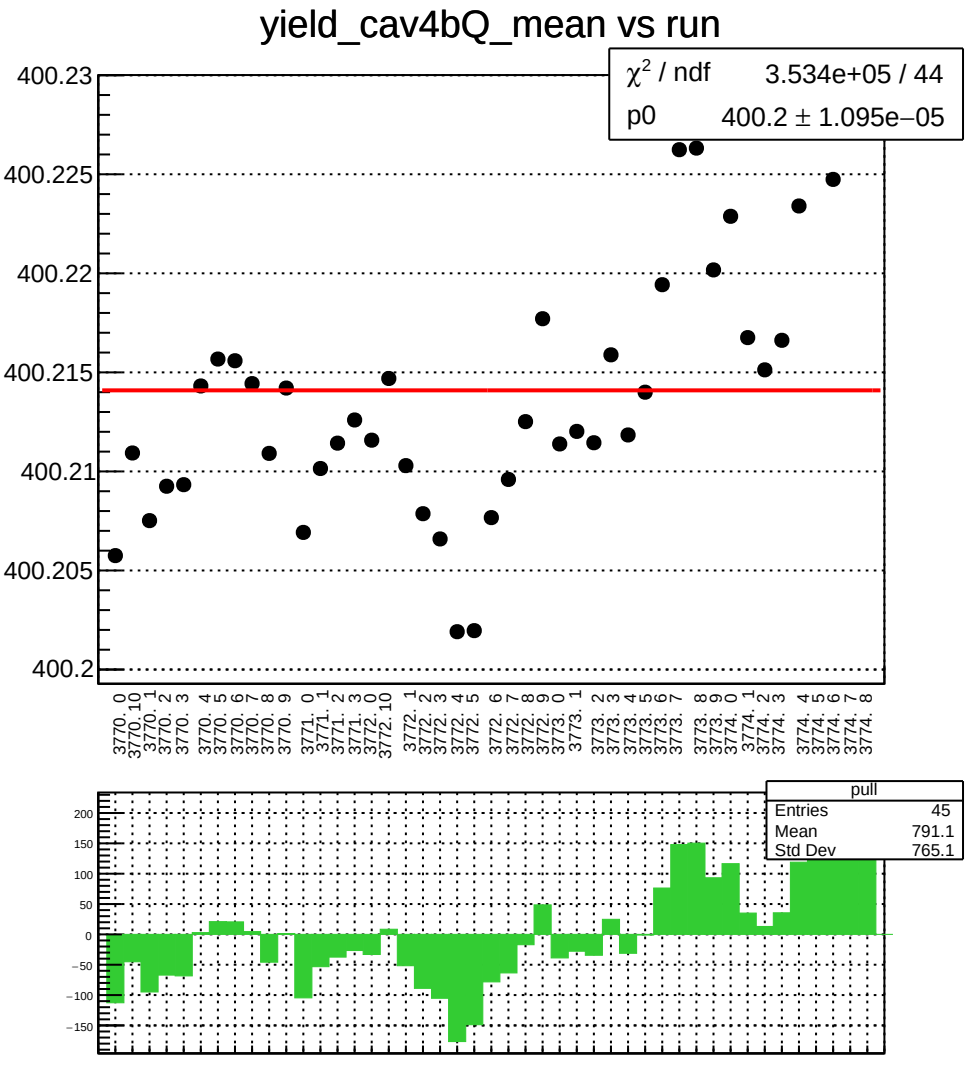

yield_bcm_dg_us_rms vs run
χ² / ndf 1.264e+04 / 44
p0 0.2081 ± 0.0002289
0.26
0.24
0.22
0.2
0.18
0.16
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

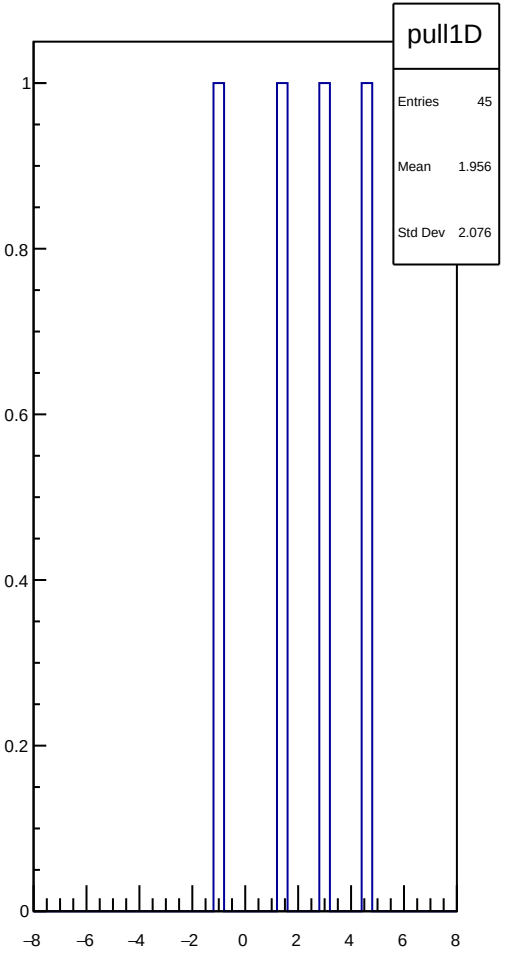

yield_bcm_dg_ds_mean vs run
χ² / ndf 4.227e+04 / 44
p0 68.7 ± 0.0003191
68.85
68.8
68.75
68.7
68.65
68.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

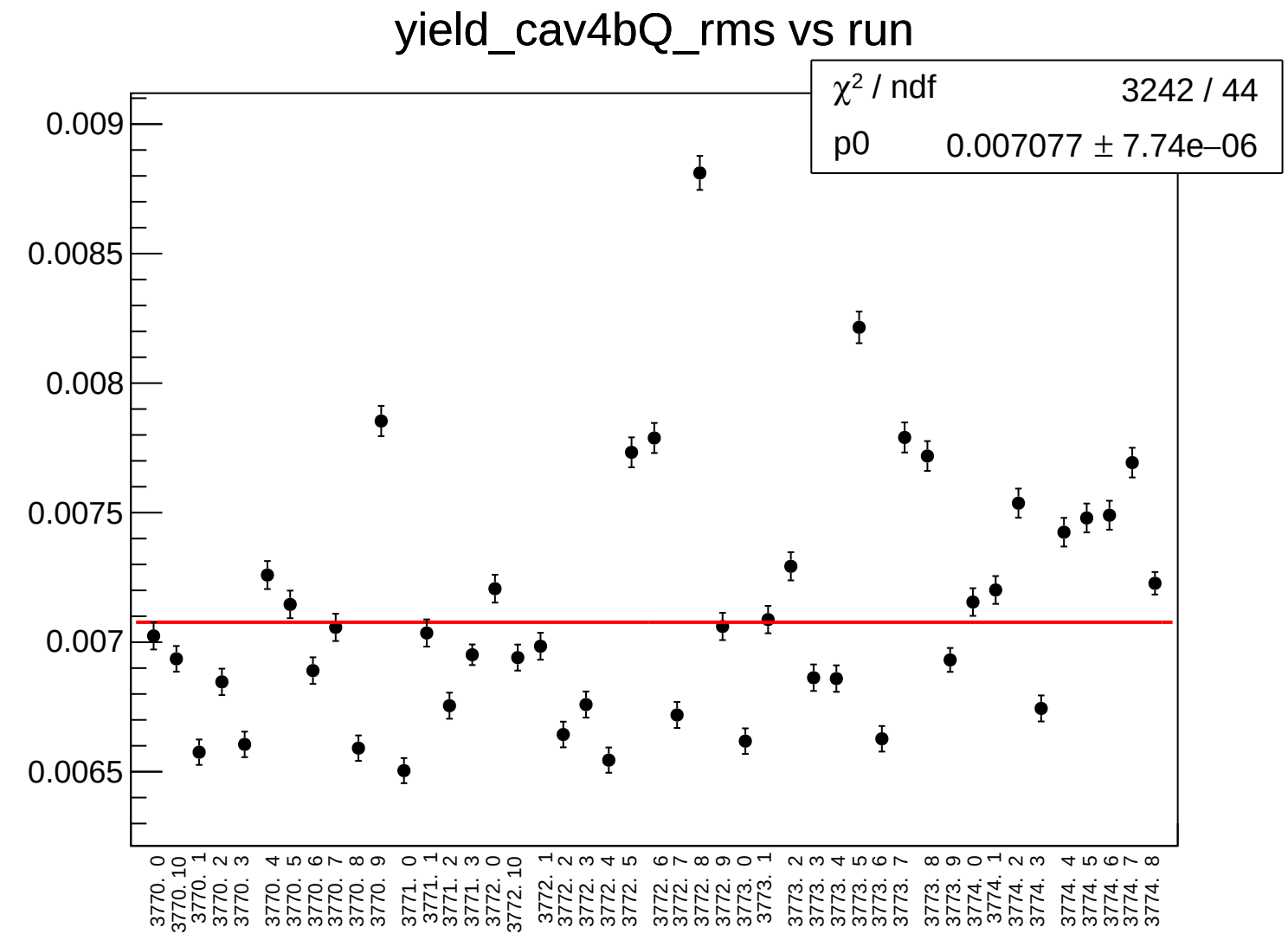

pull
Entries 45
Mean −251.3
Std Dev 279.2
100
80
60
40
20
0
−20
−40

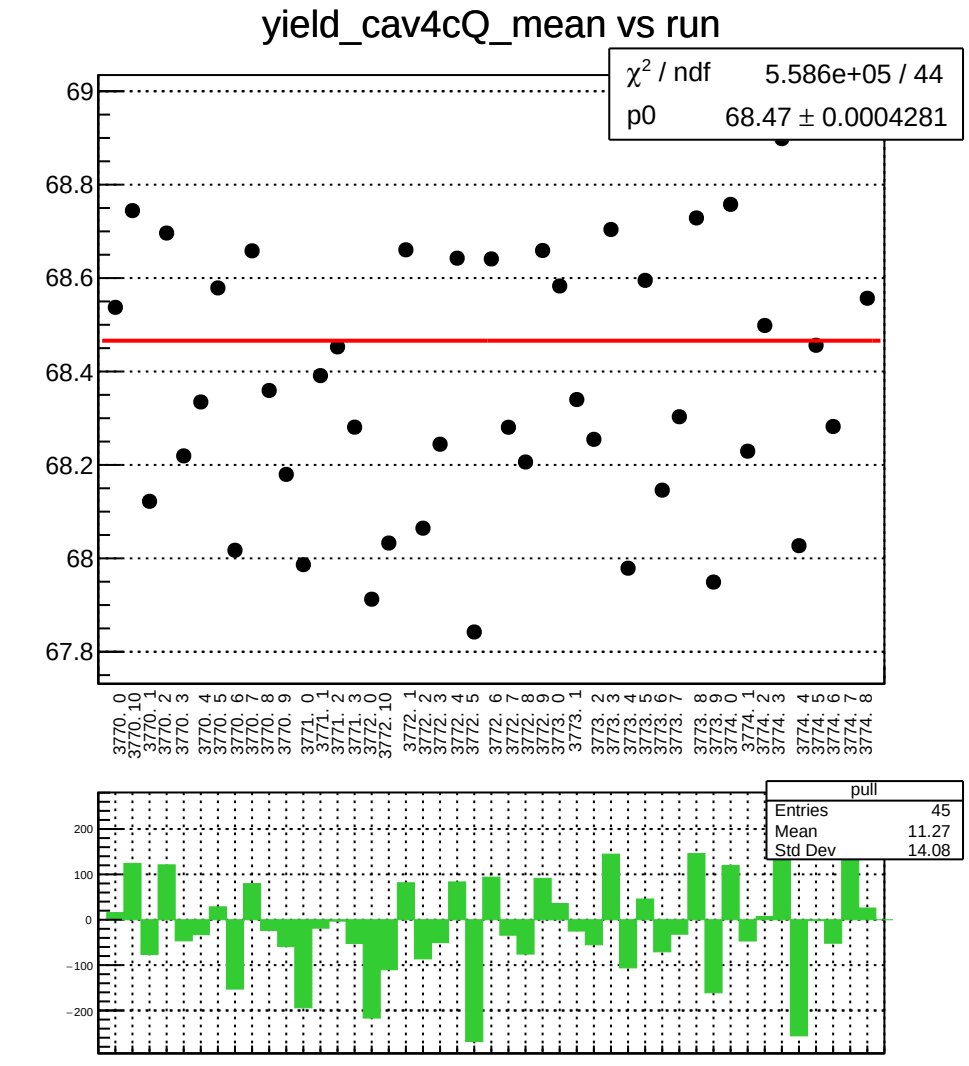

pull1D
Entries 45
Mean −2.935
Std Dev 4.417
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

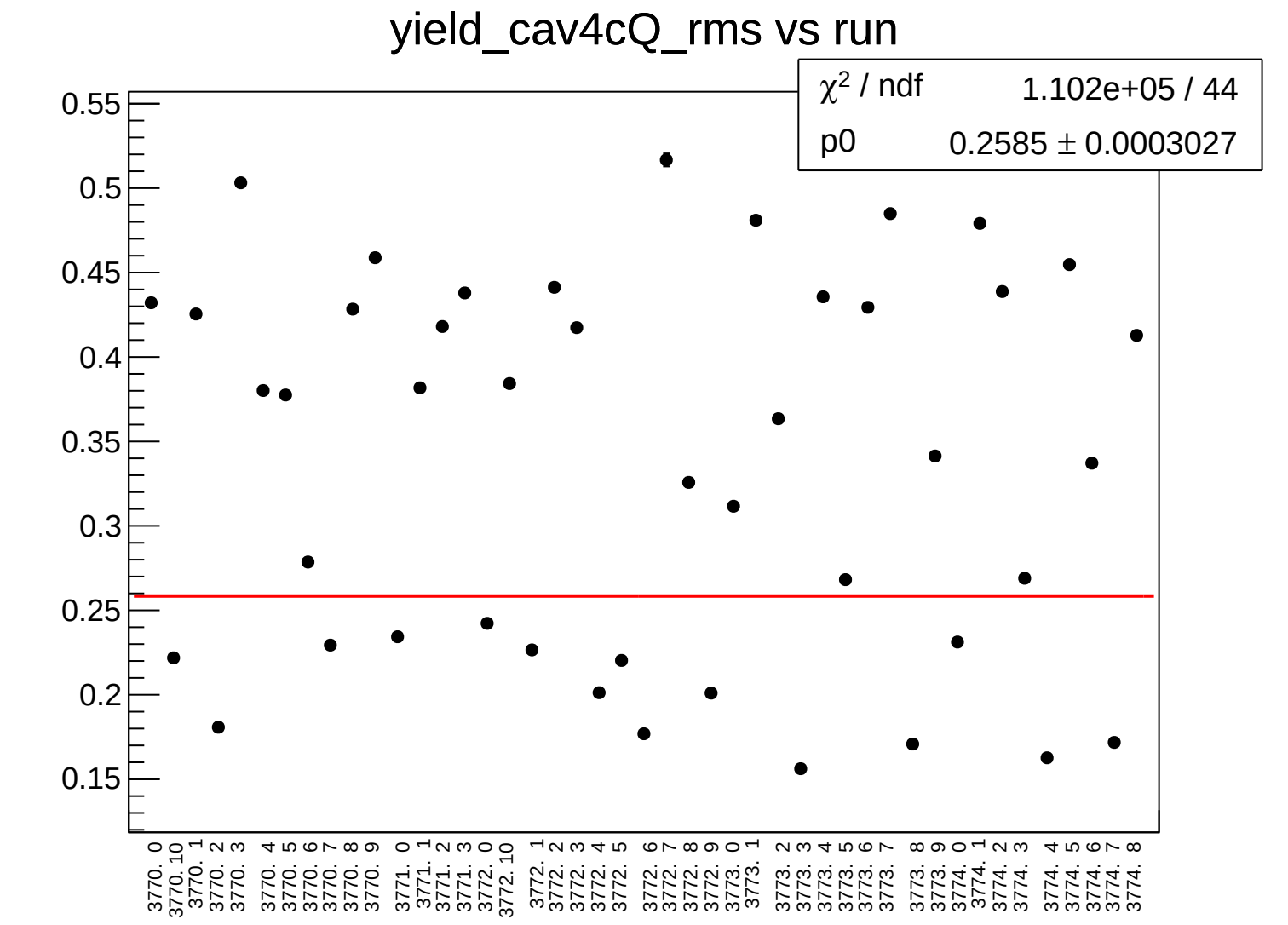

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.276e+04 / 44
p0 0.2052 ± 0.0002257
0.26
0.24
0.22
0.2
0.18
0.16
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

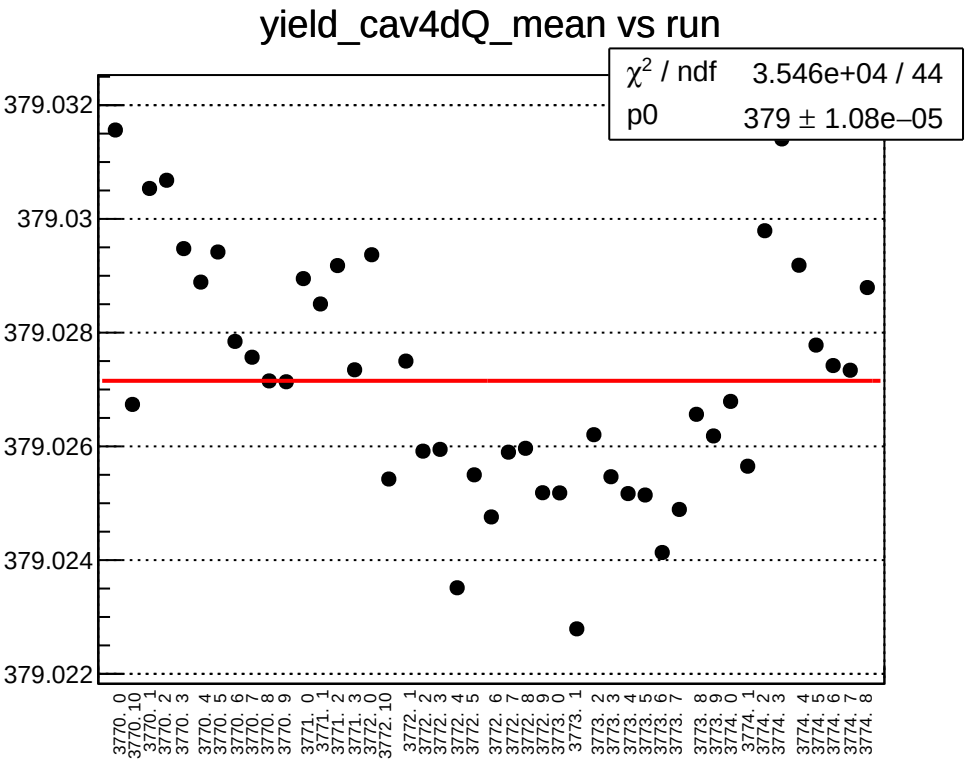

yield_cav4bQ_mean vs run
χ² / ndf 3.534e+05 / 44
p0 400.2 ± 1.095e−05
400.23
400.225
400.22
400.215
400.21
400.205
400.2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 791.1
Std Dev 765.1
200
150
100
50
0
−50
−100
−150

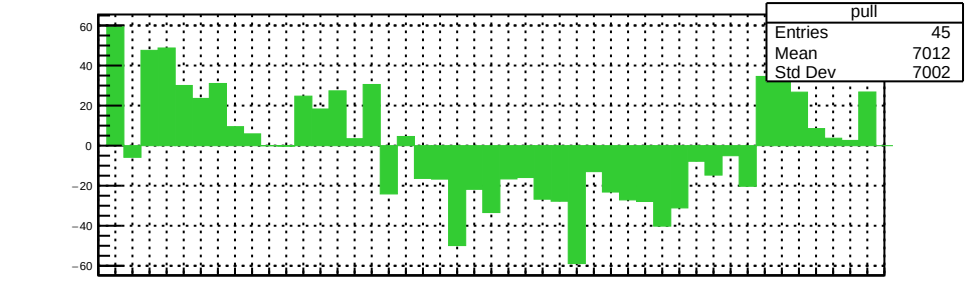

pull1D
Entries 45
Mean 1.956
Std Dev 2.076
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

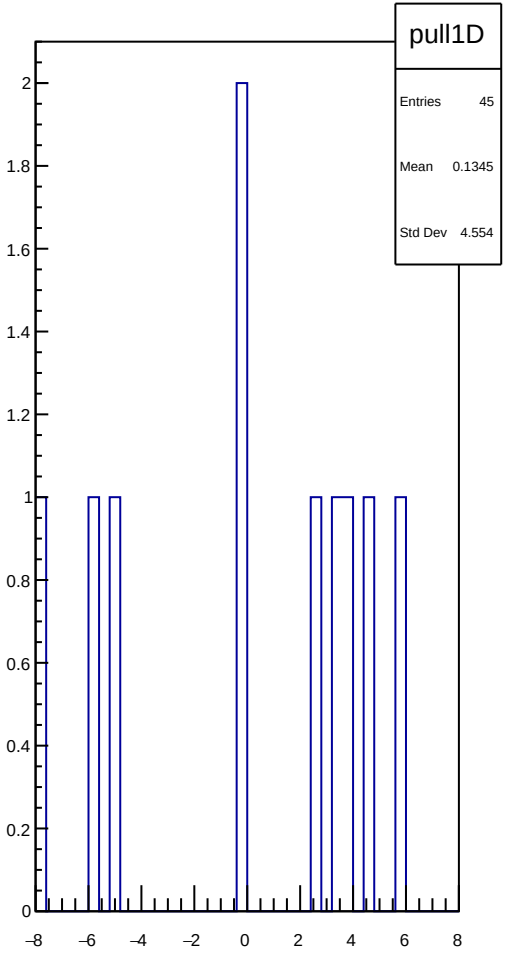

yield_cav4bQ_rms vs run
χ² / ndf 3242 / 44
p0 0.007077 ± 7.74e–06
0.009
0.0085
0.008
0.0075
0.007
0.0065
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

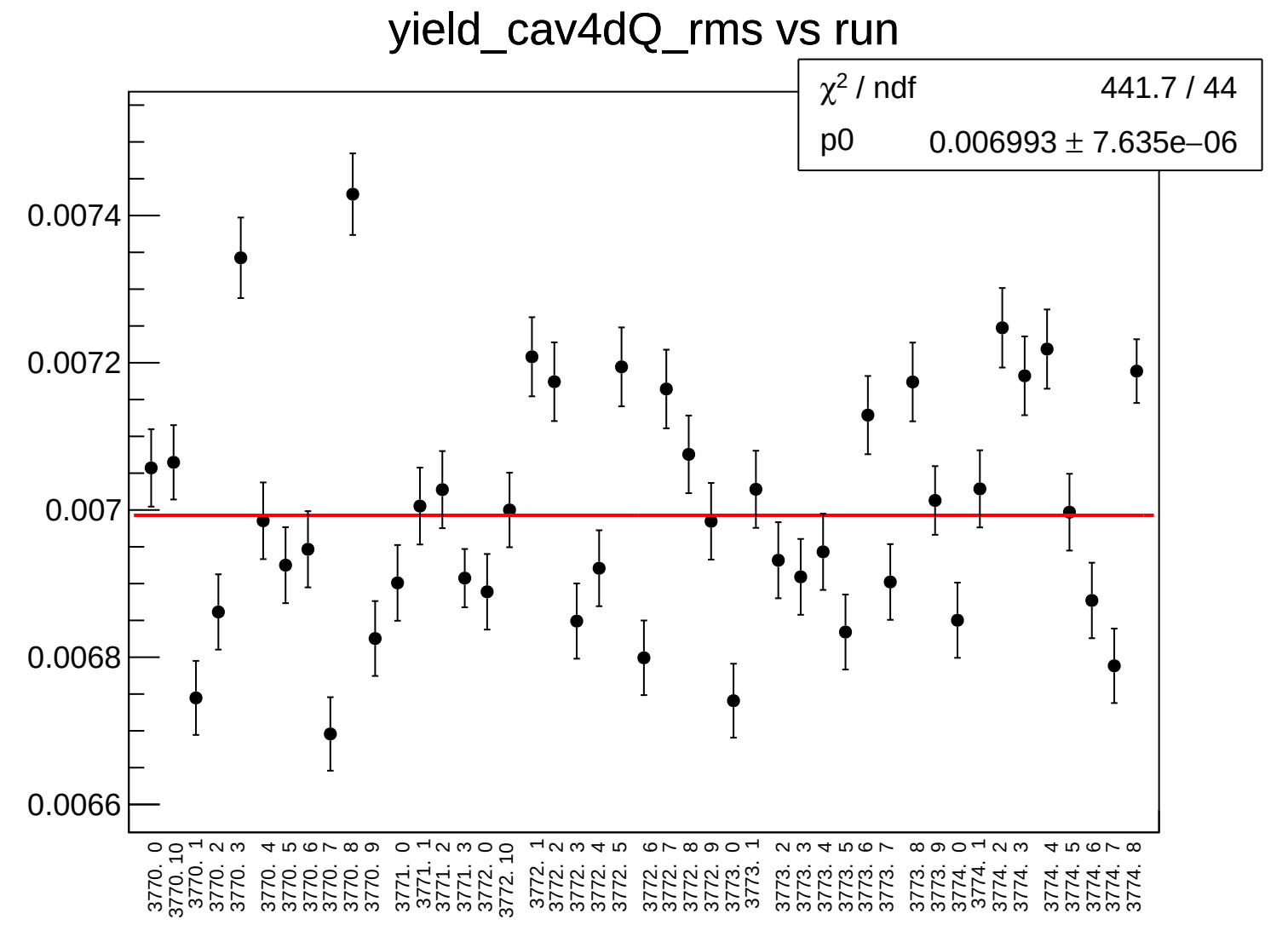

yield_cav4cQ_mean vs run
χ² / ndf 5.586e+05 / 44
p0 68.47 ± 0.0004281
69
68.8
68.6
68.4
68.2
68
67.8
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 11.27
Std Dev 14.08
200
100
0
−100
−200
pull1D
Entries 45
Mean 0.665
Std Dev 4.531
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

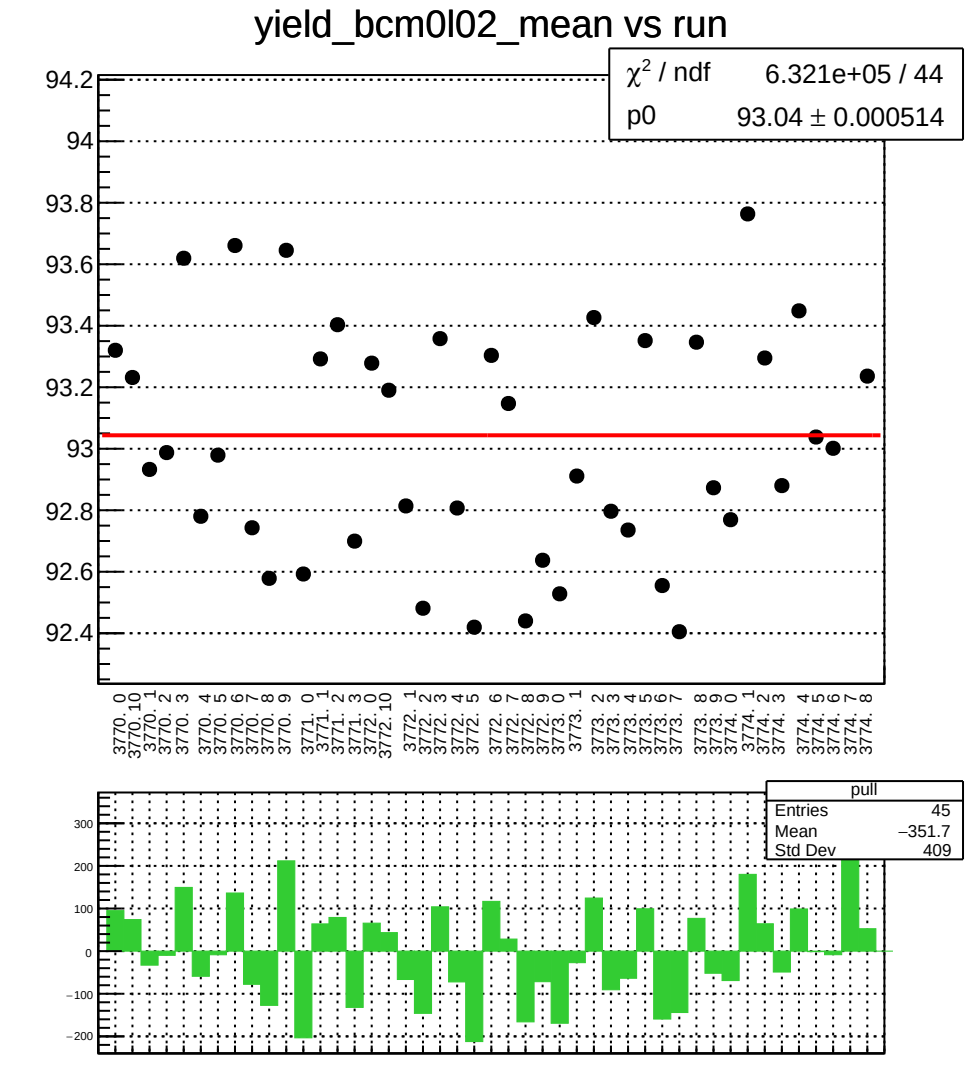

yield_cav4cQ_rms vs run
χ² / ndf 1.102e+05 / 44
p0 0.2585 ± 0.0003027
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

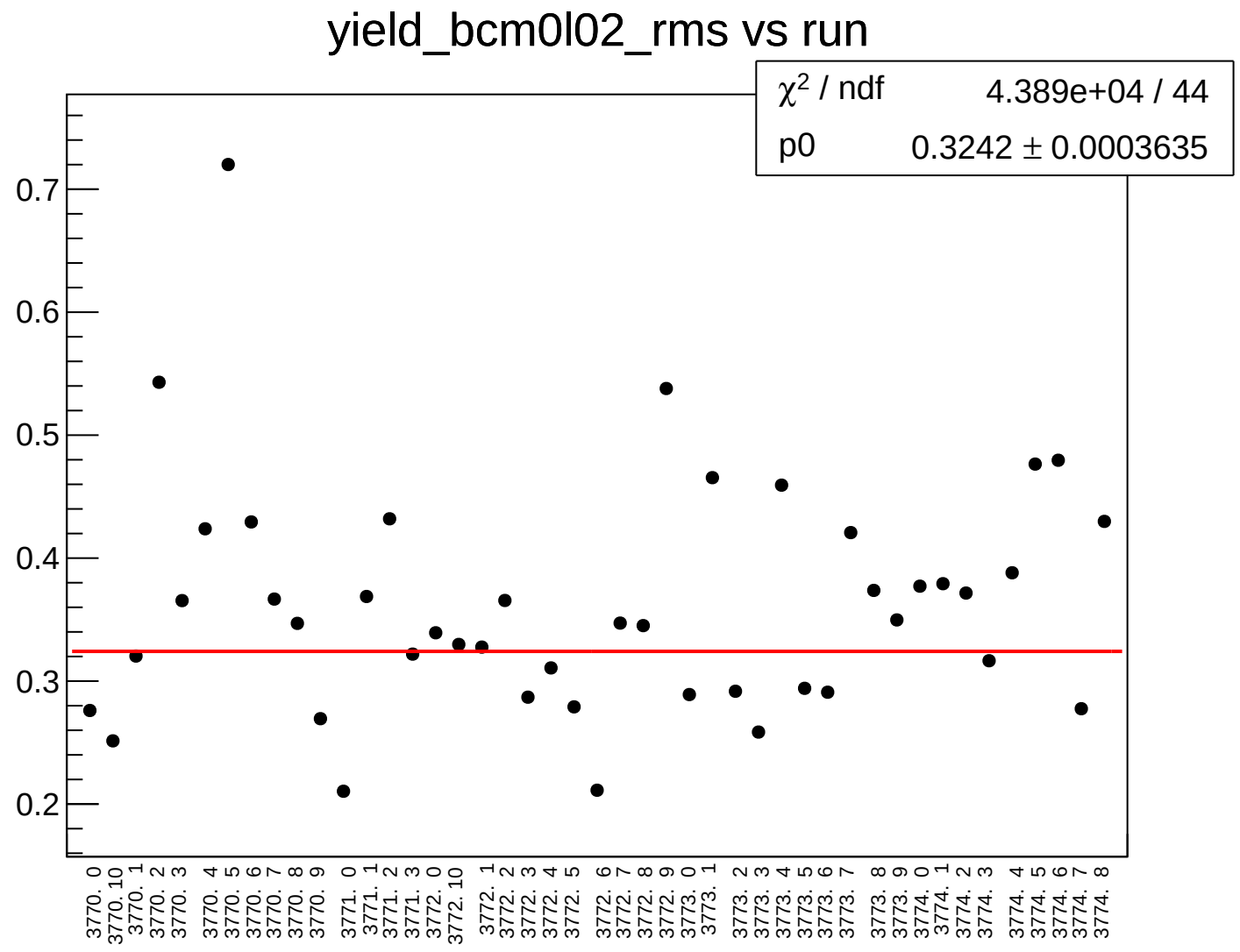

yield_cav4dQ_mean vs run
χ² / ndf 3.546e+04 / 44
p0 379 ± 1.08e−05
379.032
379.03
379.028
379.026
379.024
379.022
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

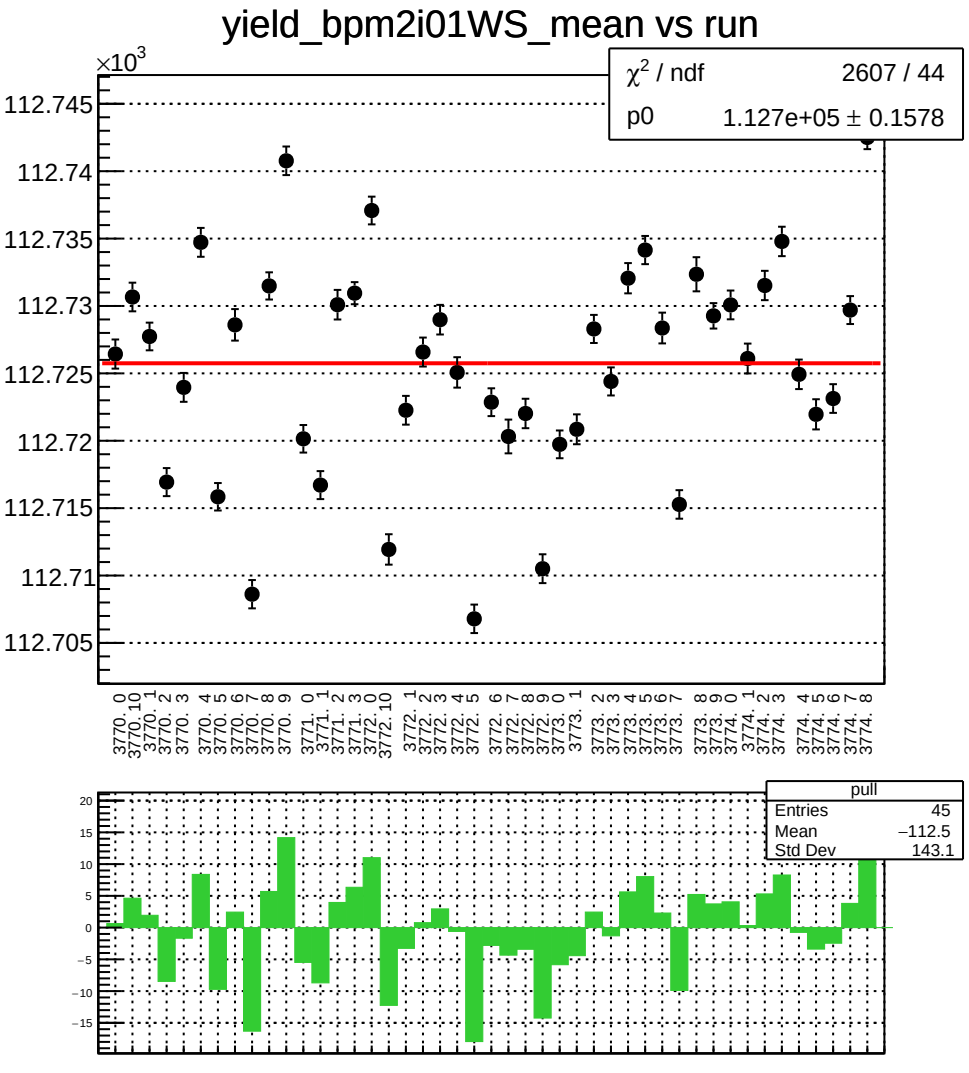

pull
Entries 45
Mean 7012
Std Dev 7002
60
40
20
0
−20
−40
−60

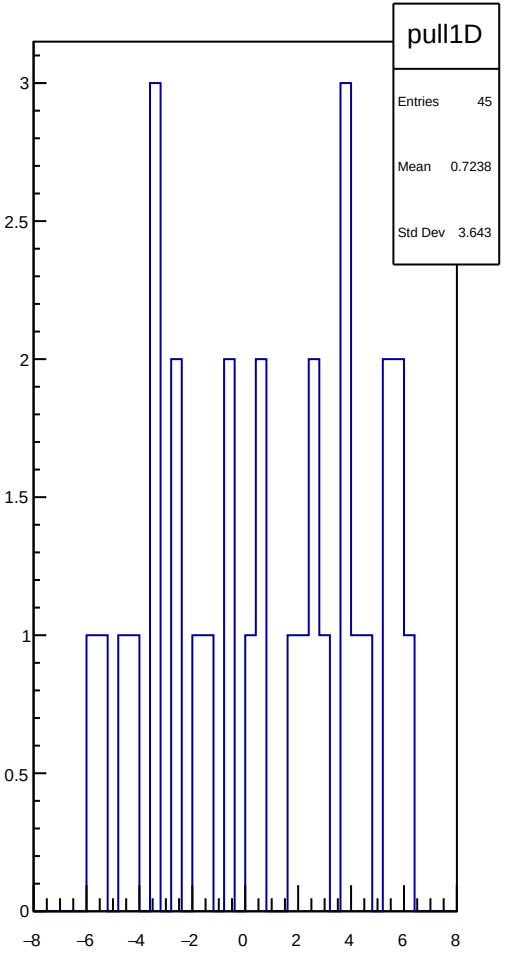

pull1D
Entries 45
Mean 0.1345
Std Dev 4.554
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

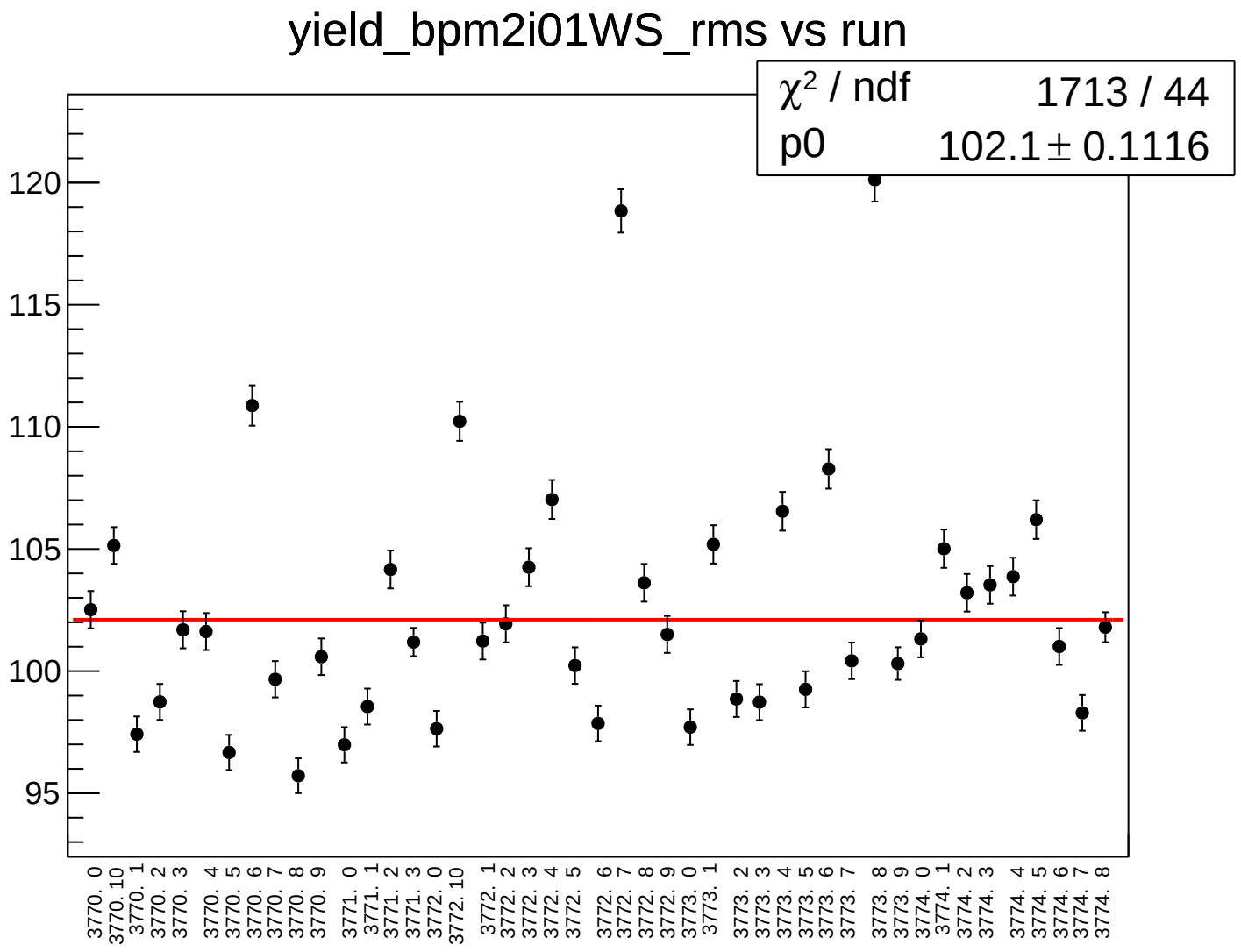

yield_cav4dQ_rms vs run
χ² / ndf 441.7 / 44
p0 0.006993 ± 7.635e−06
0.0074
0.0072
0.007
0.0068
0.0066
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

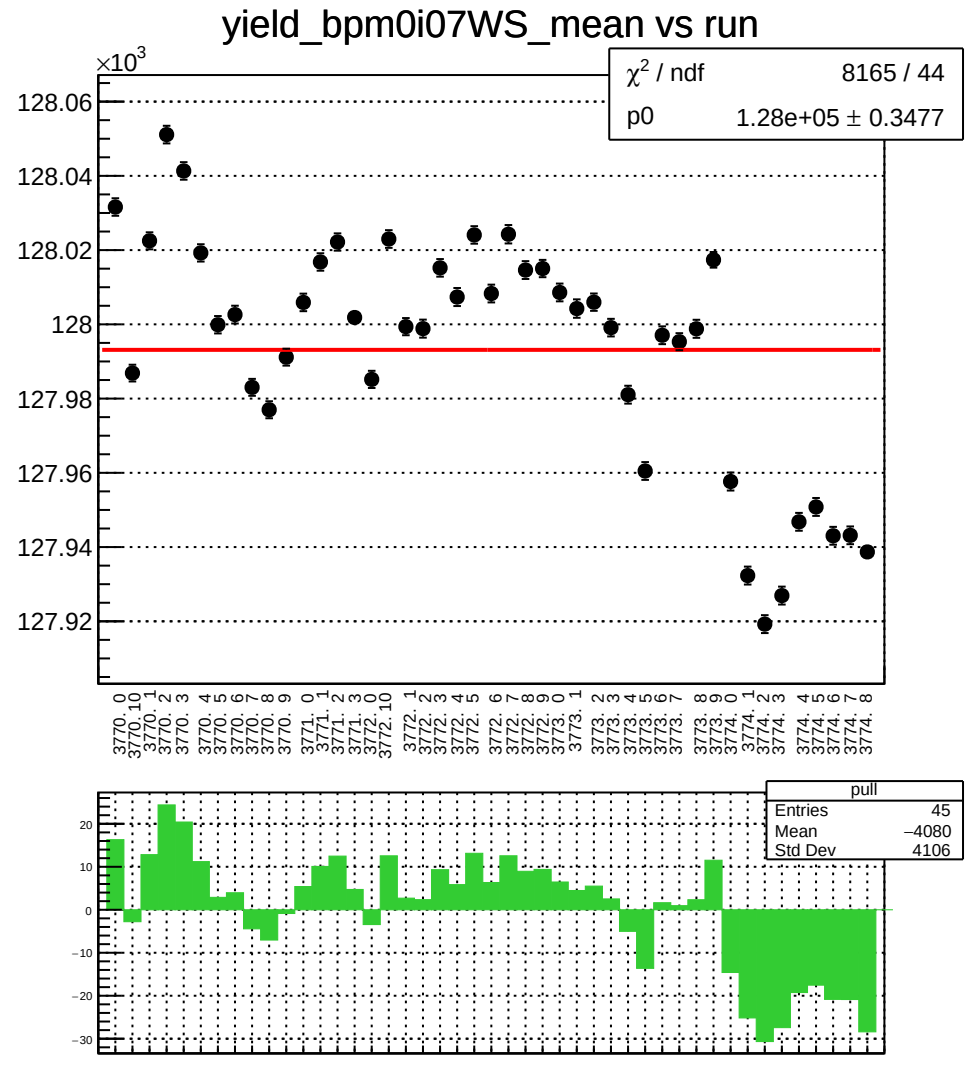

yield_bcm0l02_mean vs run
χ² / ndf 6.321e+05 / 44
p0 93.04 ± 0.000514
94.2
94
93.8
93.6
93.4
93.2
93
92.8
92.6
92.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −351.7
Std Dev 409
300
200
100
0
−100
−200
pull1D
Entries 45
Mean −1.12
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

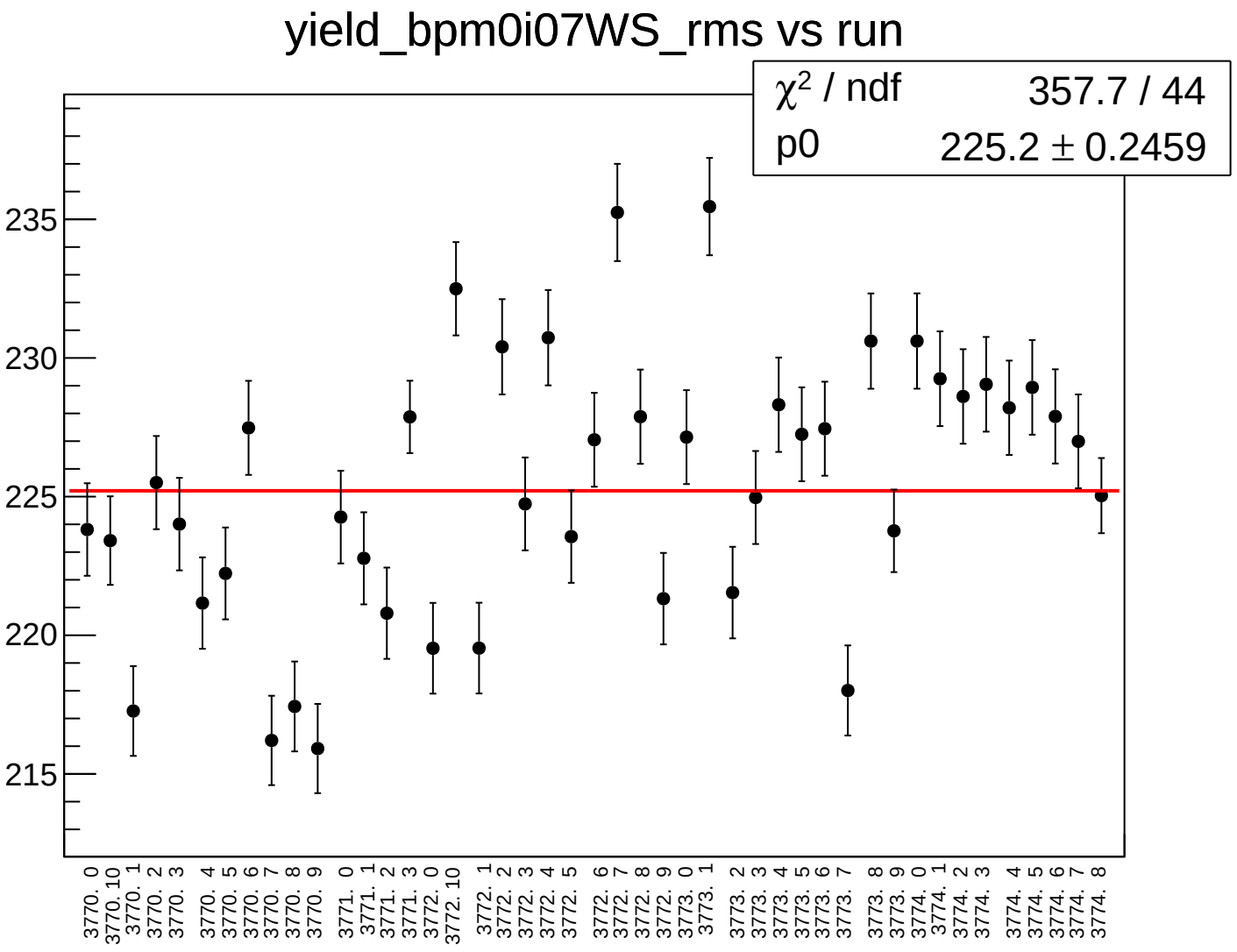

yield_bcm0l02_rms vs run
χ² / ndf 4.389e+04 / 44
p0 0.3242 ± 0.0003635
0.7
0.6
0.5
0.4
0.3
0.2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

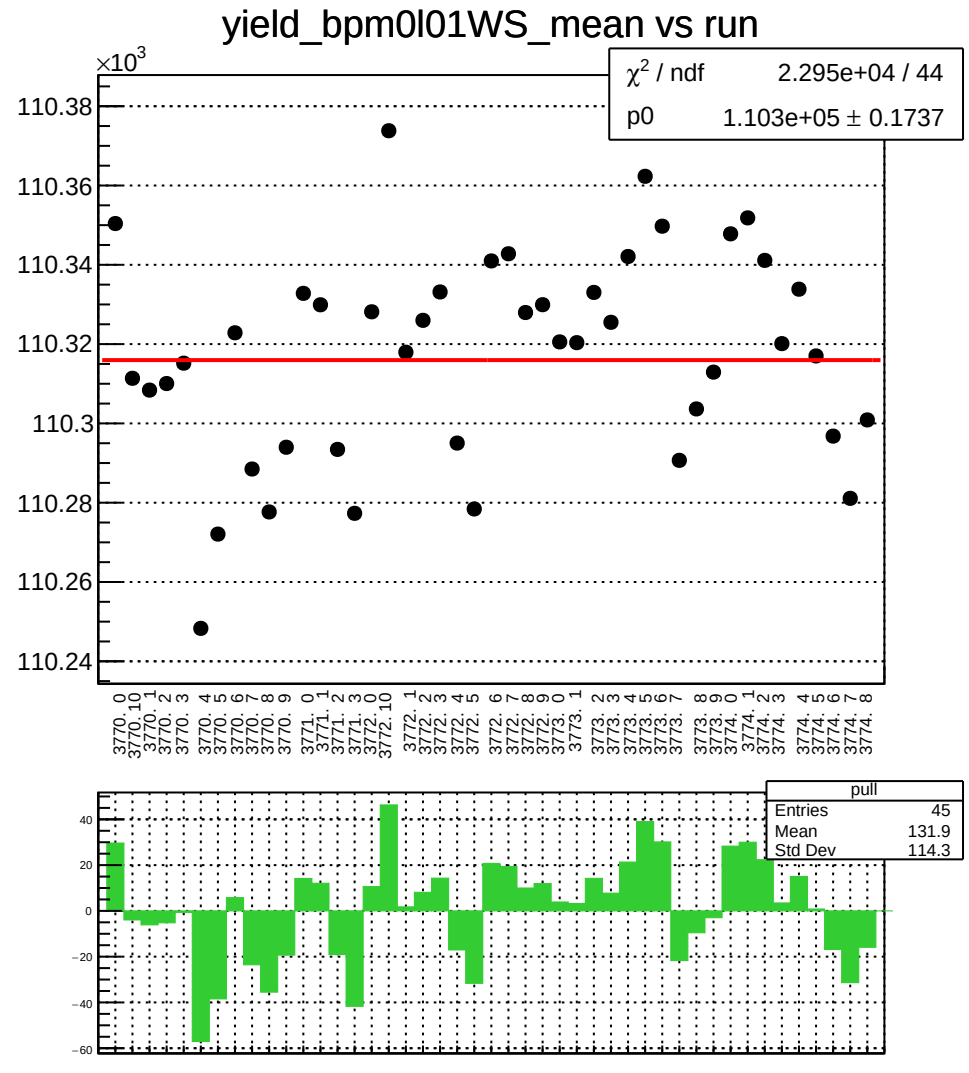

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2607 / 44
p0 1.127e+05 ± 0.1578
112.745
112.74
112.735
112.73
112.725
112.72
112.715
112.71
112.705
pull
Entries 45
Mean −112.5
Std Dev 143.1
20
15
10
5
0
−5
−10
−15

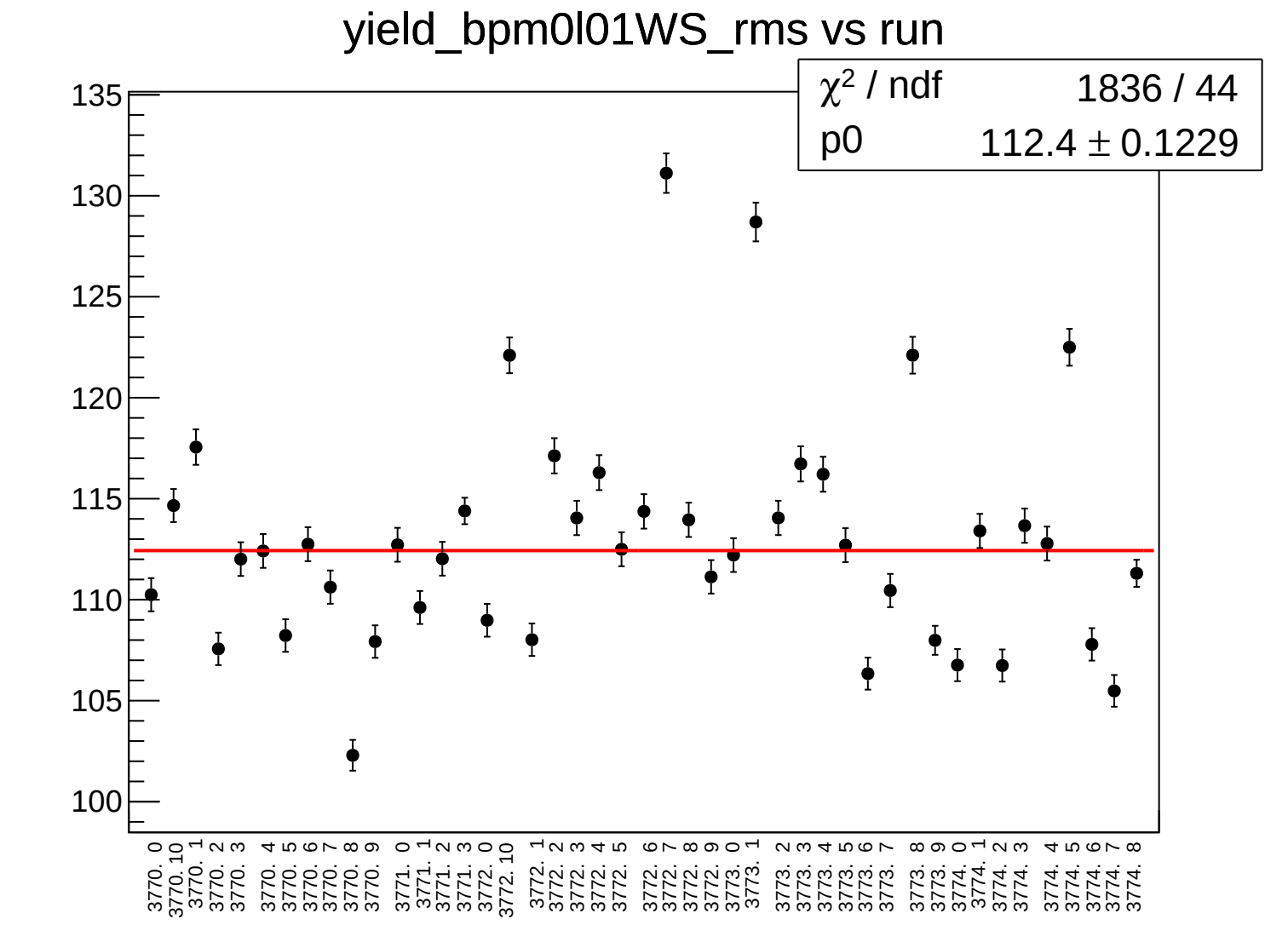

pull1D
Entries 45
Mean 0.7238
Std Dev 3.643
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

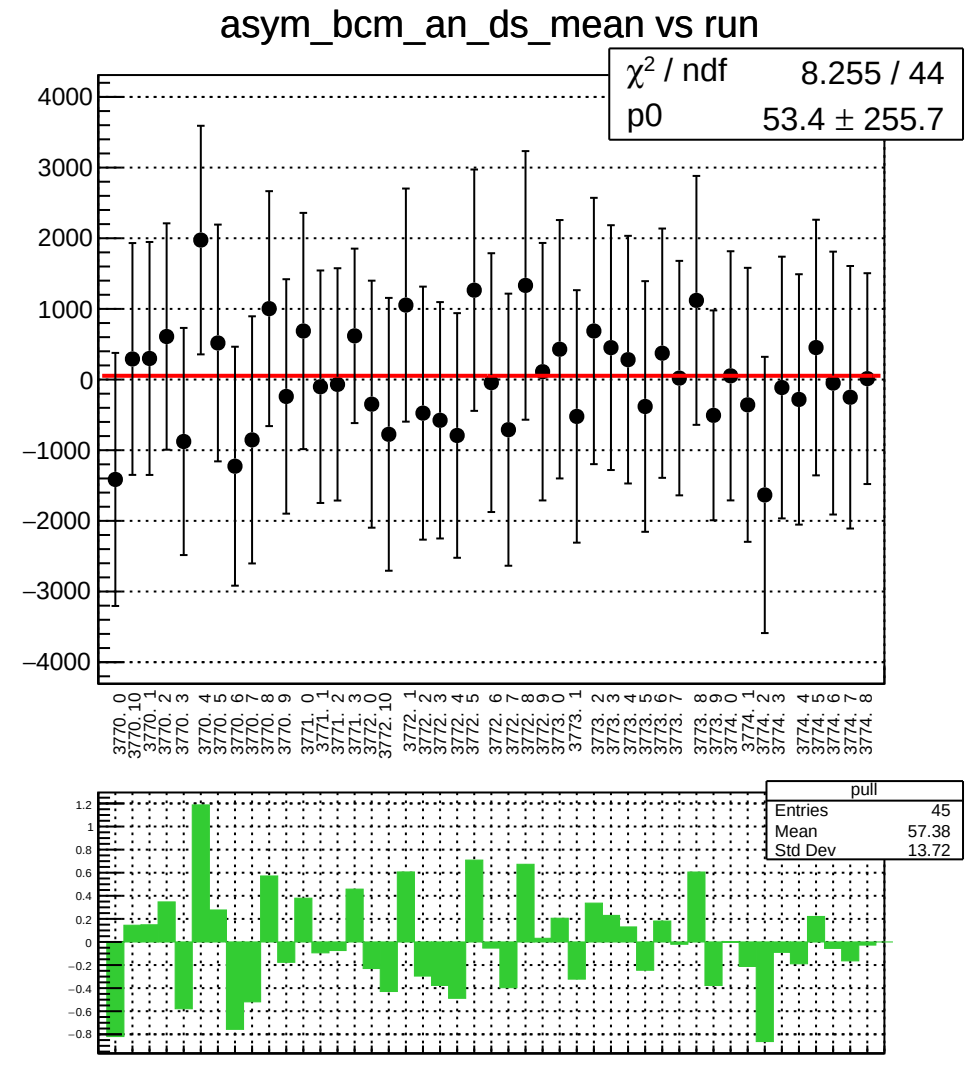

yield_bpm2i01WS_rms vs run
χ² / ndf 1713 / 44
p0 102.1 ± 0.1116
120
115
110
105
100
95
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

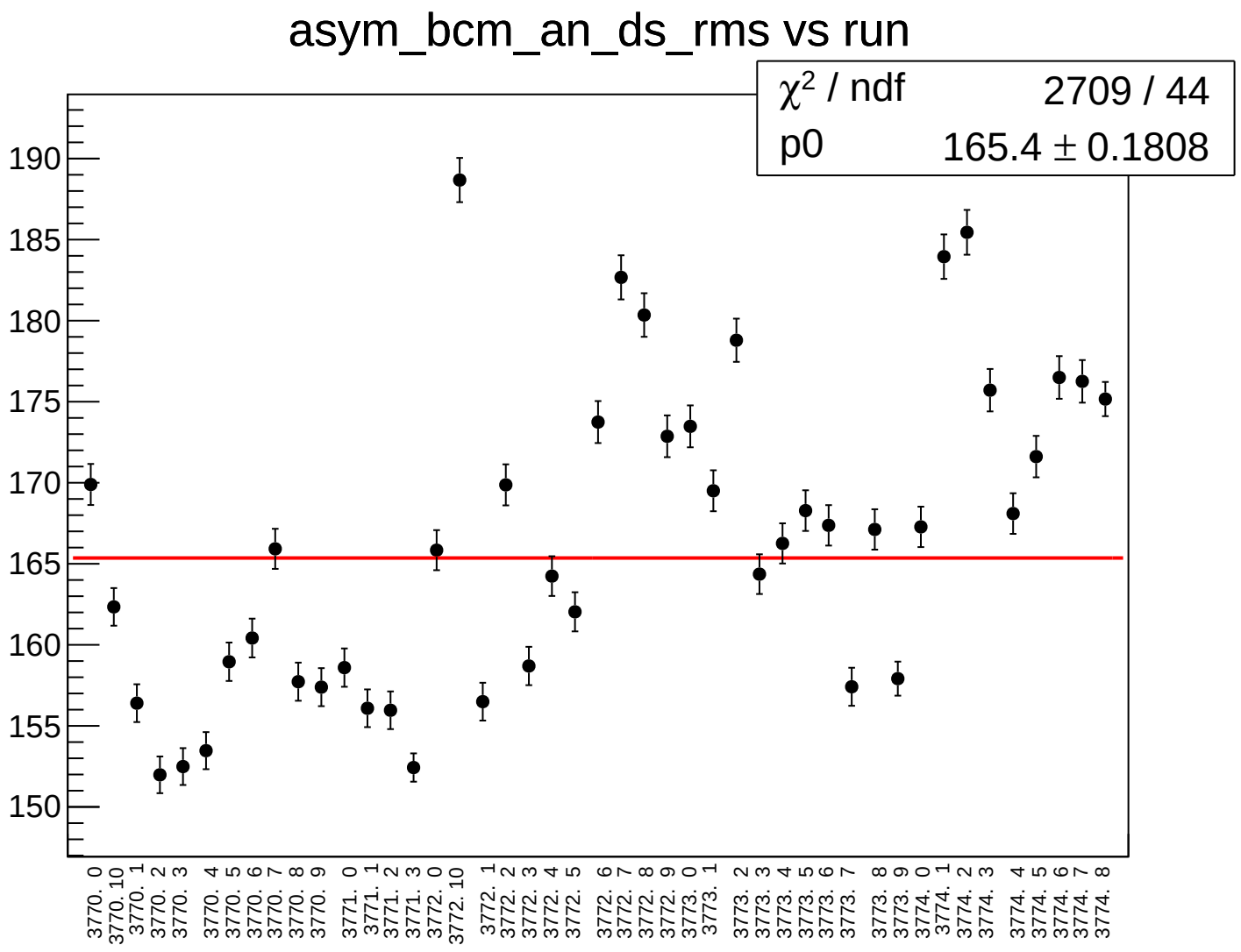

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8165 / 44
p0 1.28e+05 ± 0.3477
128.06
128.04
128.02
128
127.98
127.96
127.94
127.92
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −4080
Std Dev 4106
20
10
0
−10
−20
−30
pull1D
Entries 45
Mean 1.645
Std Dev 3.953
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

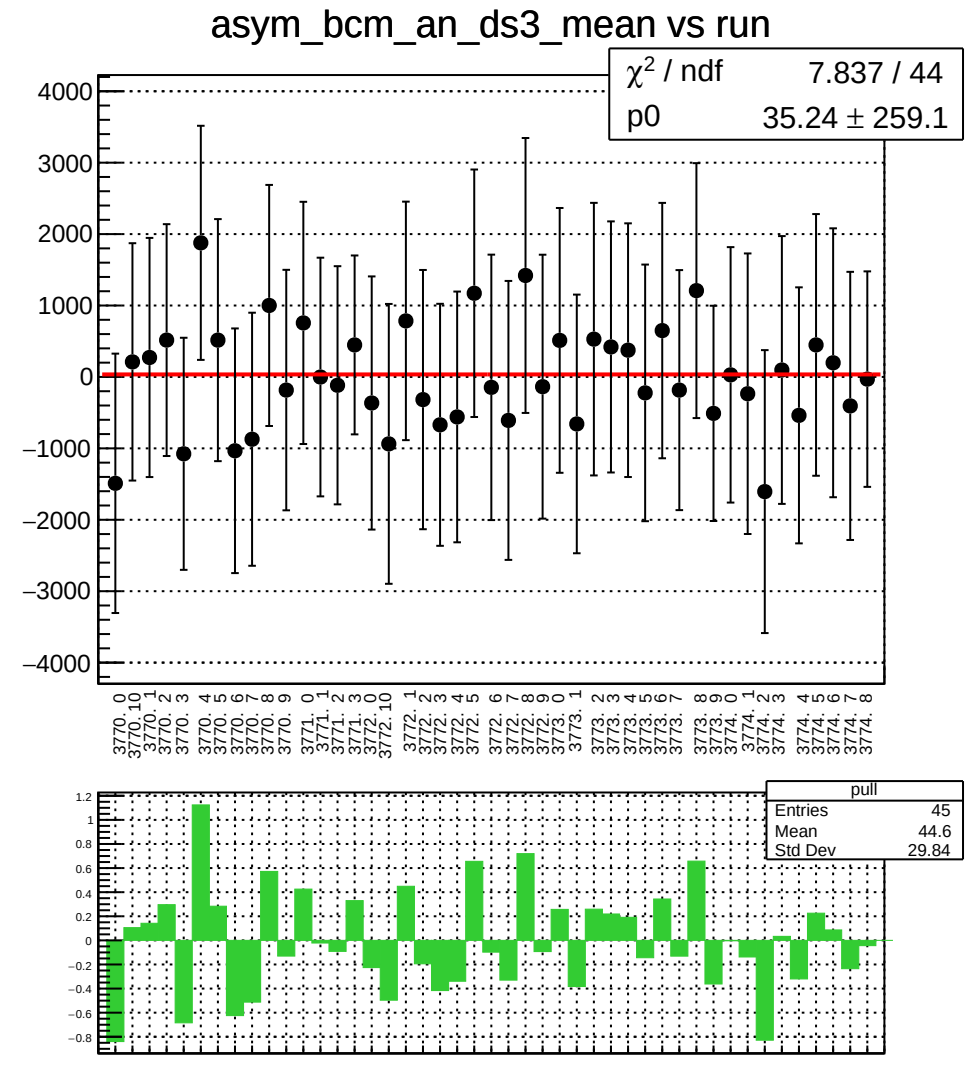

yield_bpm0i07WS_rms vs run
χ² / ndf 357.7 / 44
p0 225.2 ± 0.2459
235
230
225
220
215
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

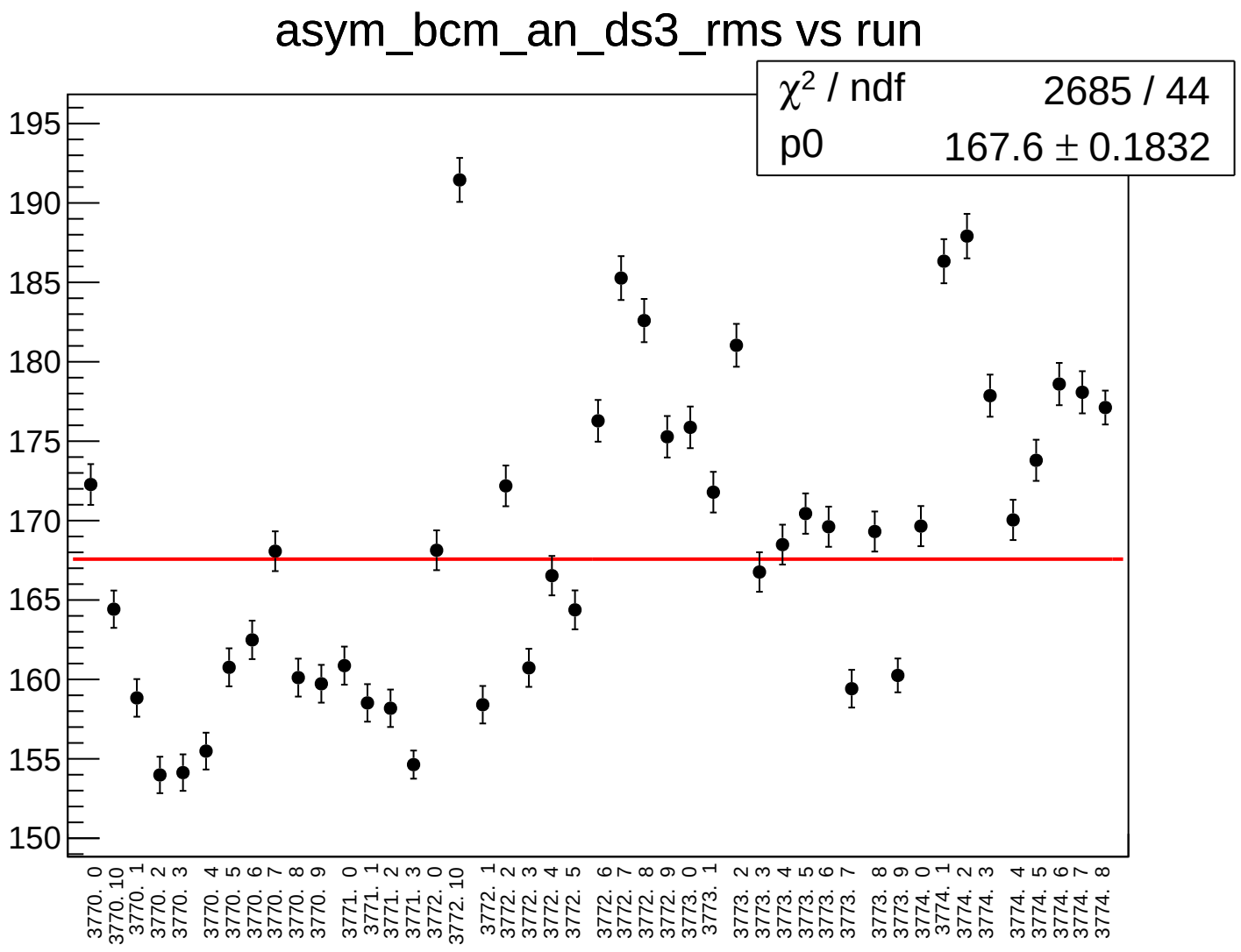

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 2.295e+04 / 44
p0 1.103e+05 ± 0.1737
110.38
110.36
110.34
110.32
110.3
110.28
110.26
110.24
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 131.9
Std Dev 114.3
40
20
0
−20
−40
−60
pull1D
Entries 45
Mean 0.6523
Std Dev 4.276
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

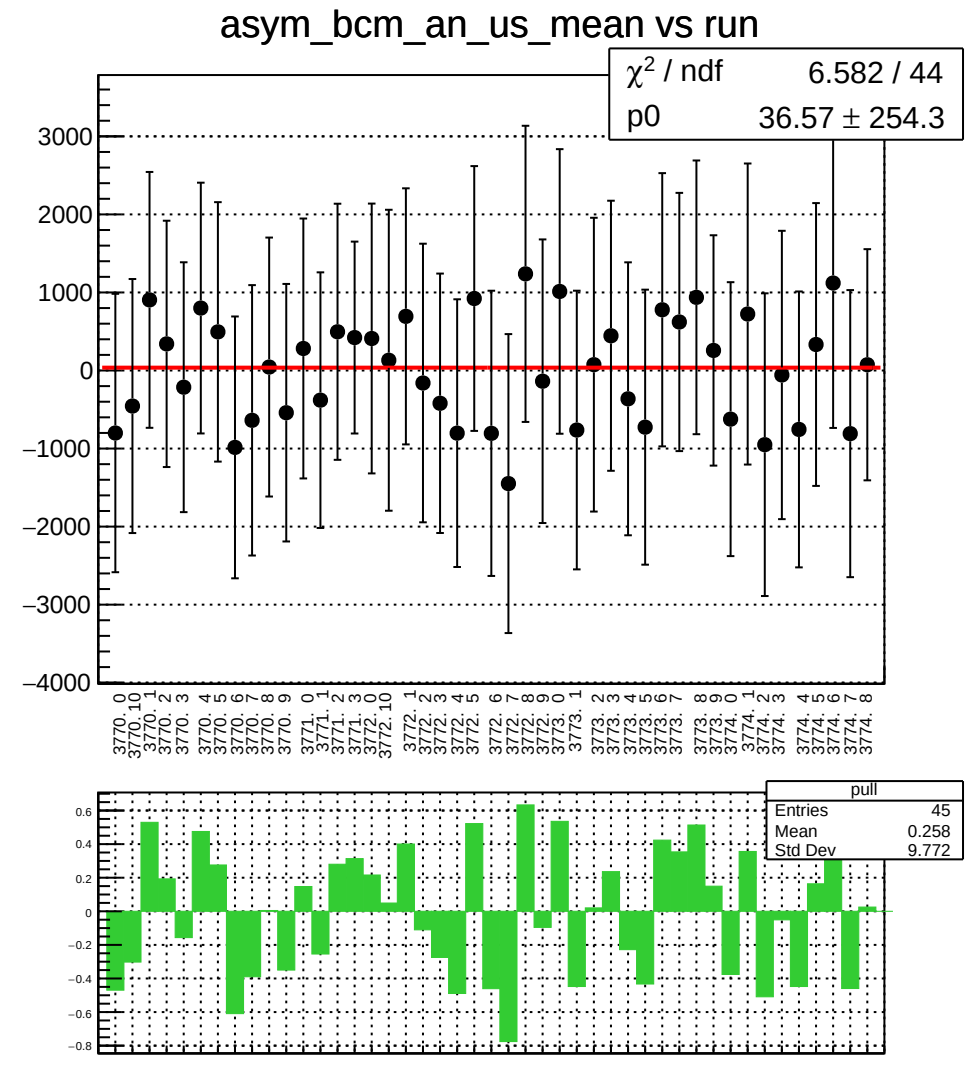

yield_bpm0l01WS_rms vs run
χ² / ndf 1836 / 44
p0 112.4 ± 0.1229
135
130
125
120
115
110
105
100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

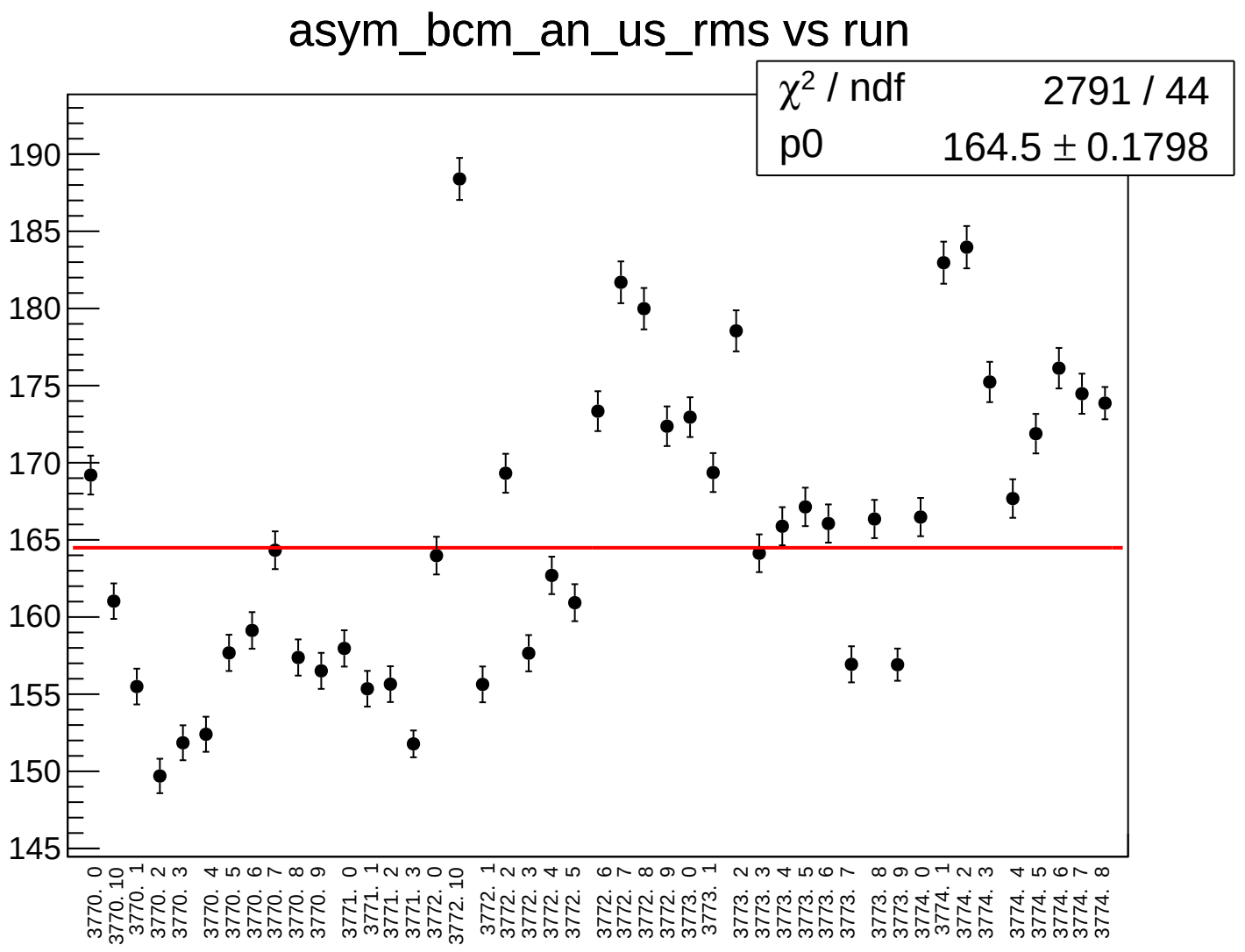

asym_bcm_an_ds_mean vs run
χ² / ndf 8.255 / 44
p0 53.4 ± 255.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 57.38
Std Dev 13.72
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.009024
Std Dev 0.4282
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

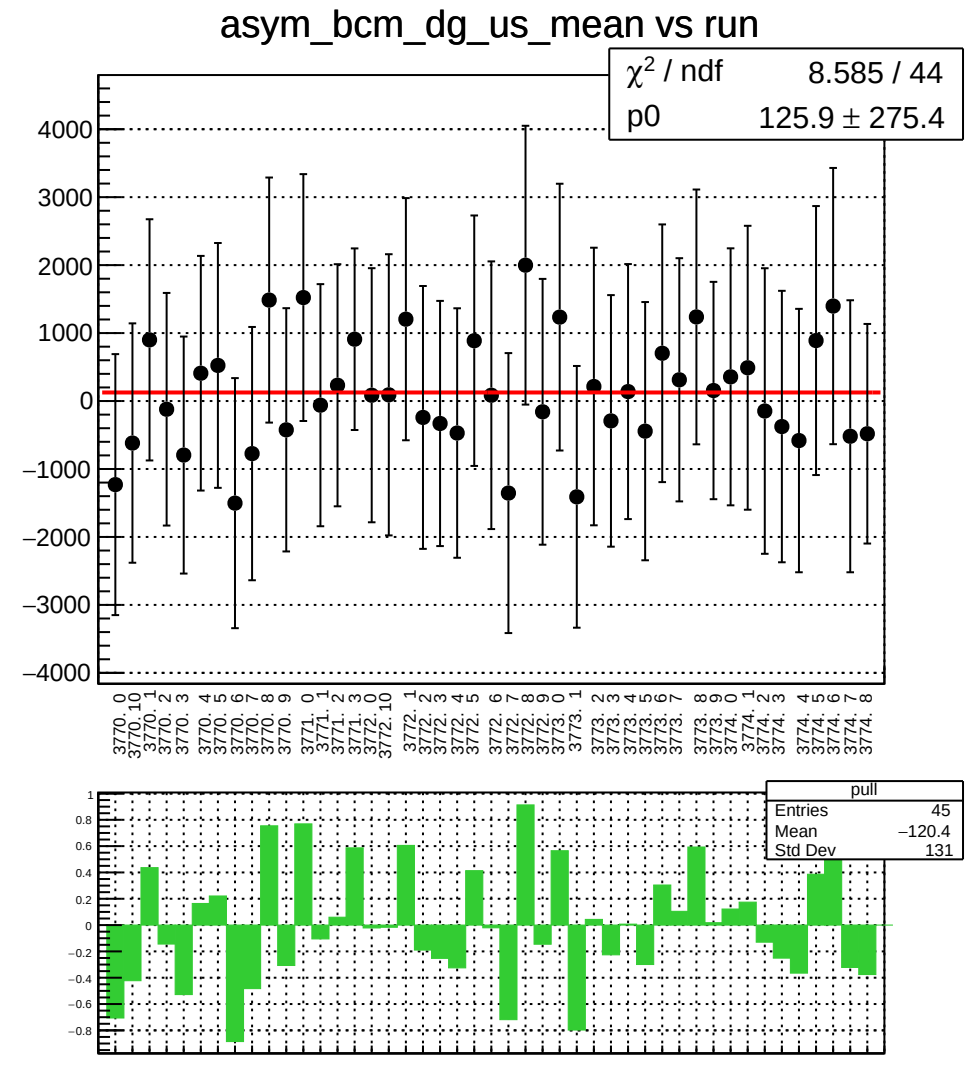

asym_bcm_an_ds_rms vs run
χ² / ndf 2709 / 44
p0 165.4 ± 0.1808
190
185
180
175
170
165
160
155
150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

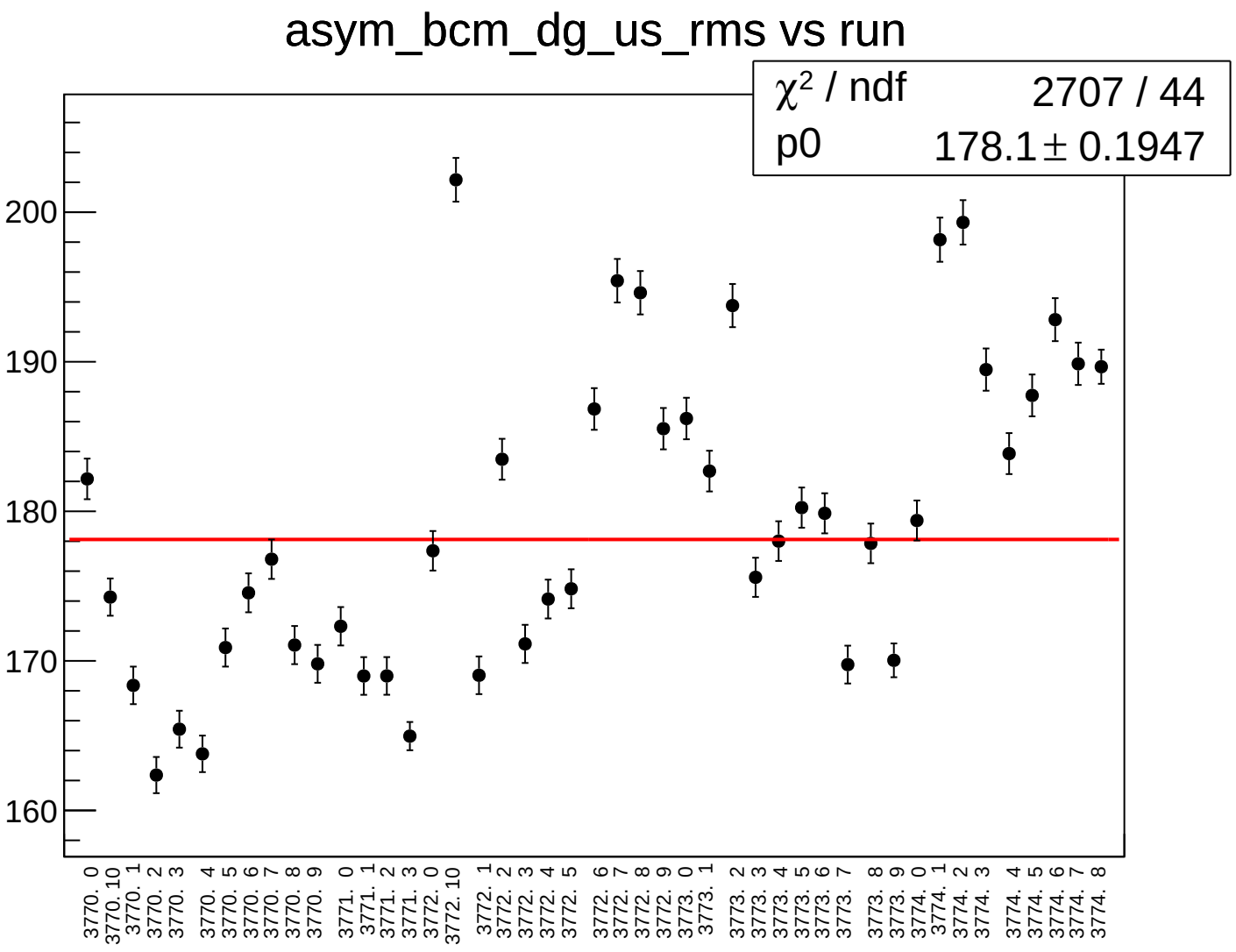

asym_bcm_an_ds3_mean vs run
χ² / ndf 7.837 / 44
p0 35.24 ± 259.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 44.6
Std Dev 29.84
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.006814
Std Dev 0.4173
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

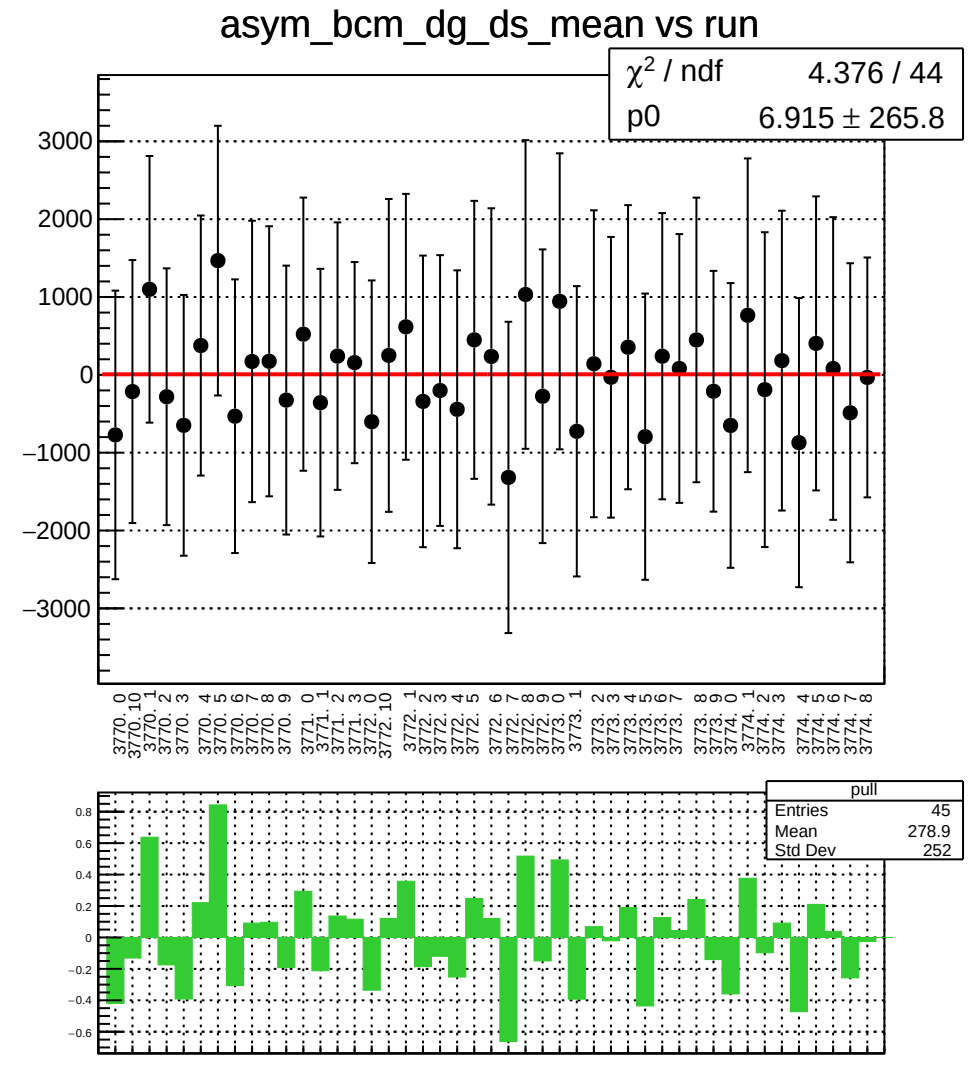

asym_bcm_an_ds3_rms vs run
χ² / ndf 2685 / 44
p0 167.6 ± 0.1832
195
190
185
180
175
170
165
160
155
150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

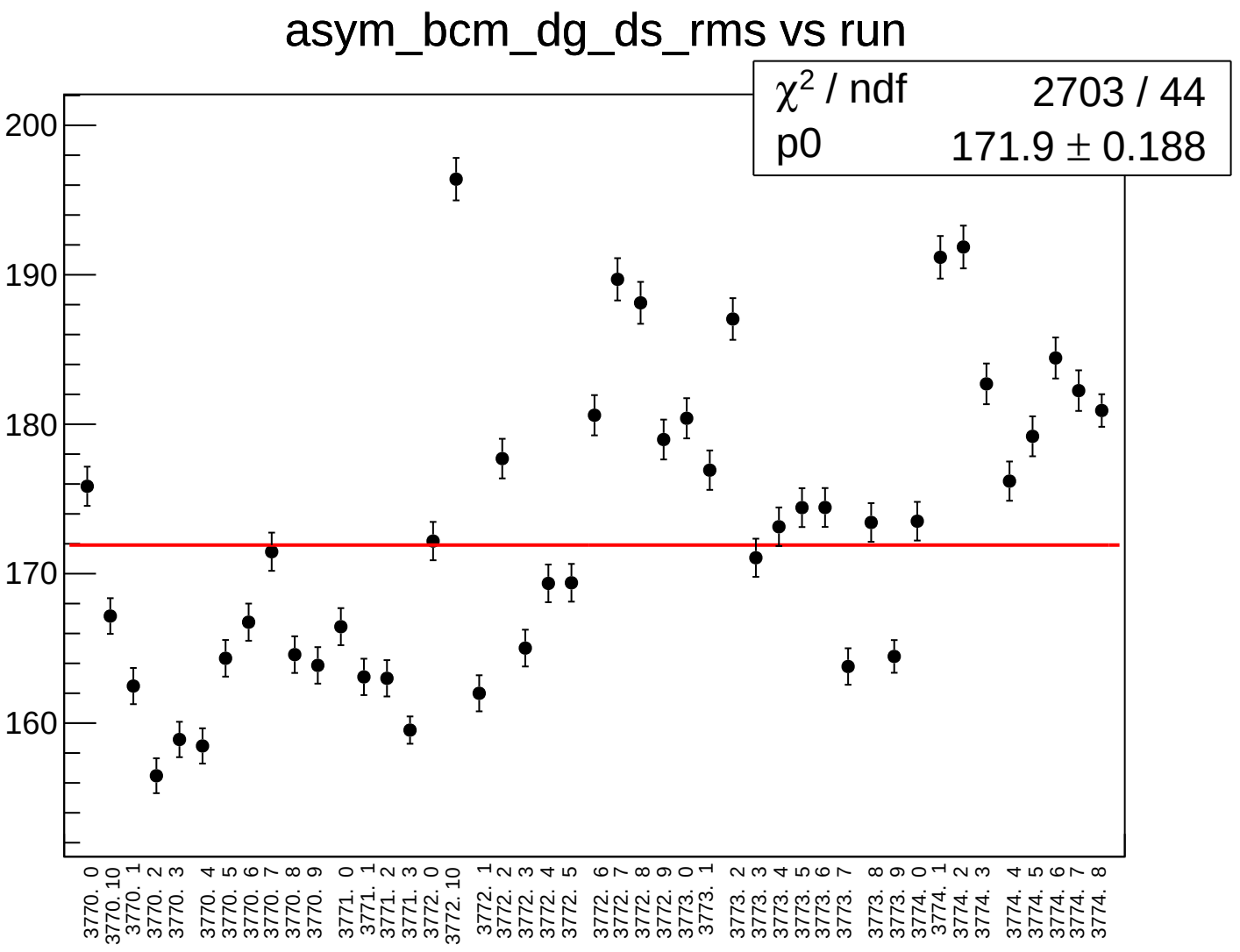

asym_bcm_an_us_mean vs run
χ^2 / ndf 6.582 / 44
p0 36.57 ± 254.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 0.258
Std Dev 9.772
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.006364
Std Dev 0.3824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

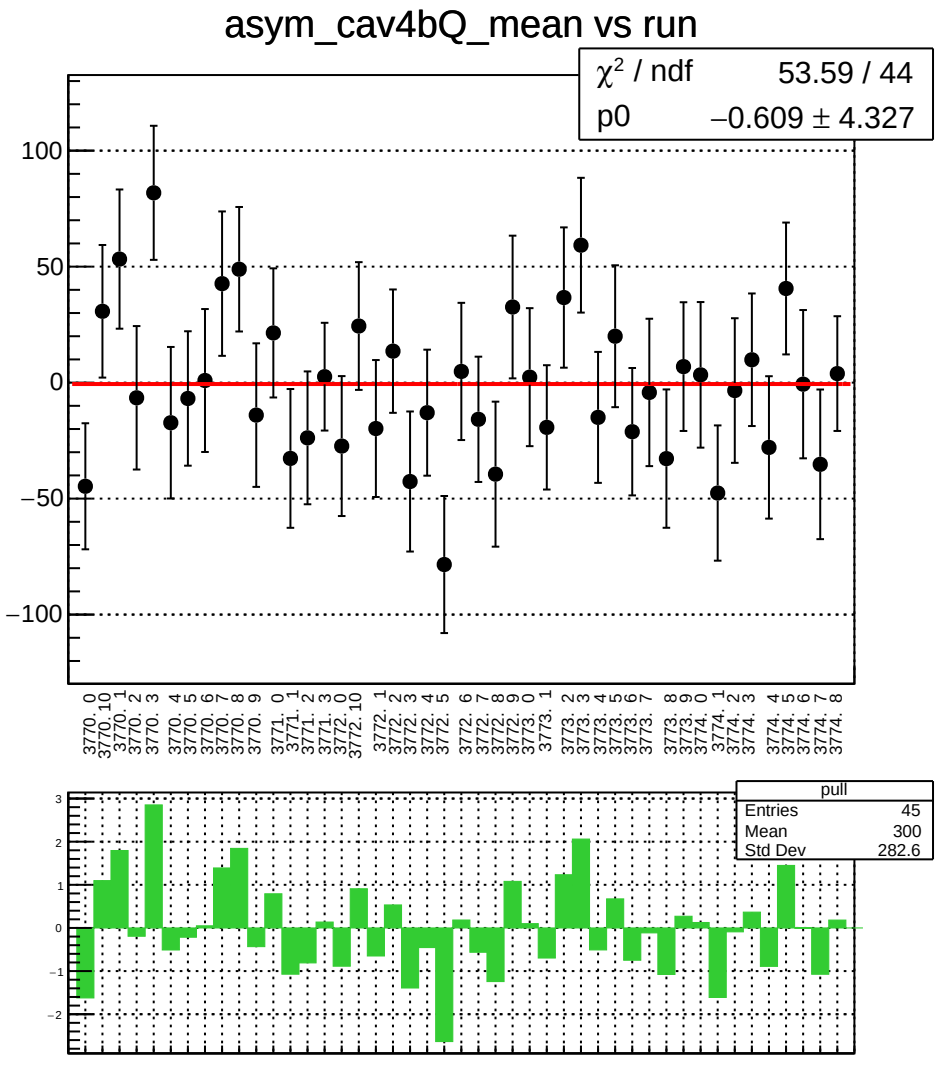

asym_bcm_an_us_rms vs run
χ² / ndf 2791 / 44
p0 164.5 ± 0.1798
190
185
180
175
170
165
160
155
150
145
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

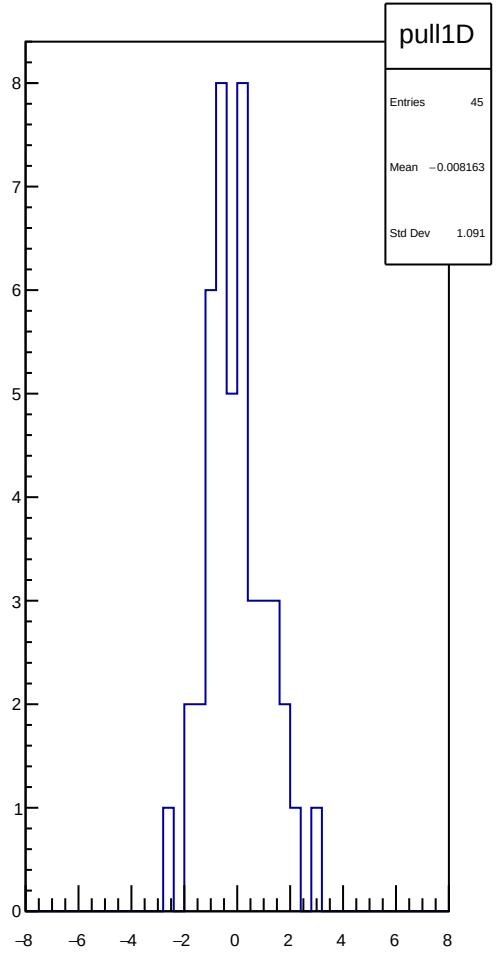

asym_bcm_dg_us_mean vs run
χ² / ndf 8.585 / 44
p0 125.9 ± 275.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −120.4
Std Dev 131
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.003825
Std Dev 0.4368
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

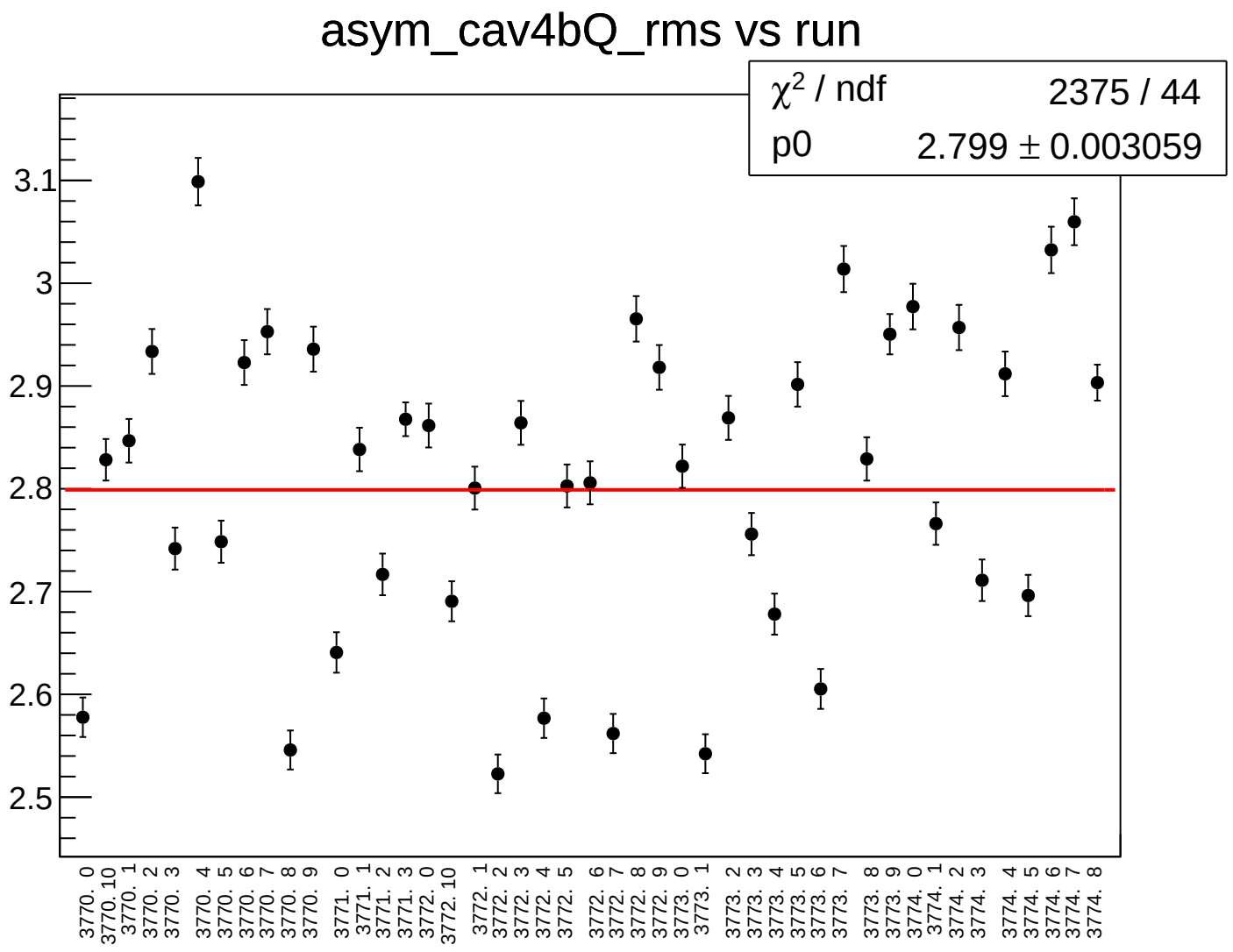

asym_bcm_dg_us_rms vs run
χ² / ndf 2707 / 44
p0 178.1 ± 0.1947
200
190
180
170
160
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

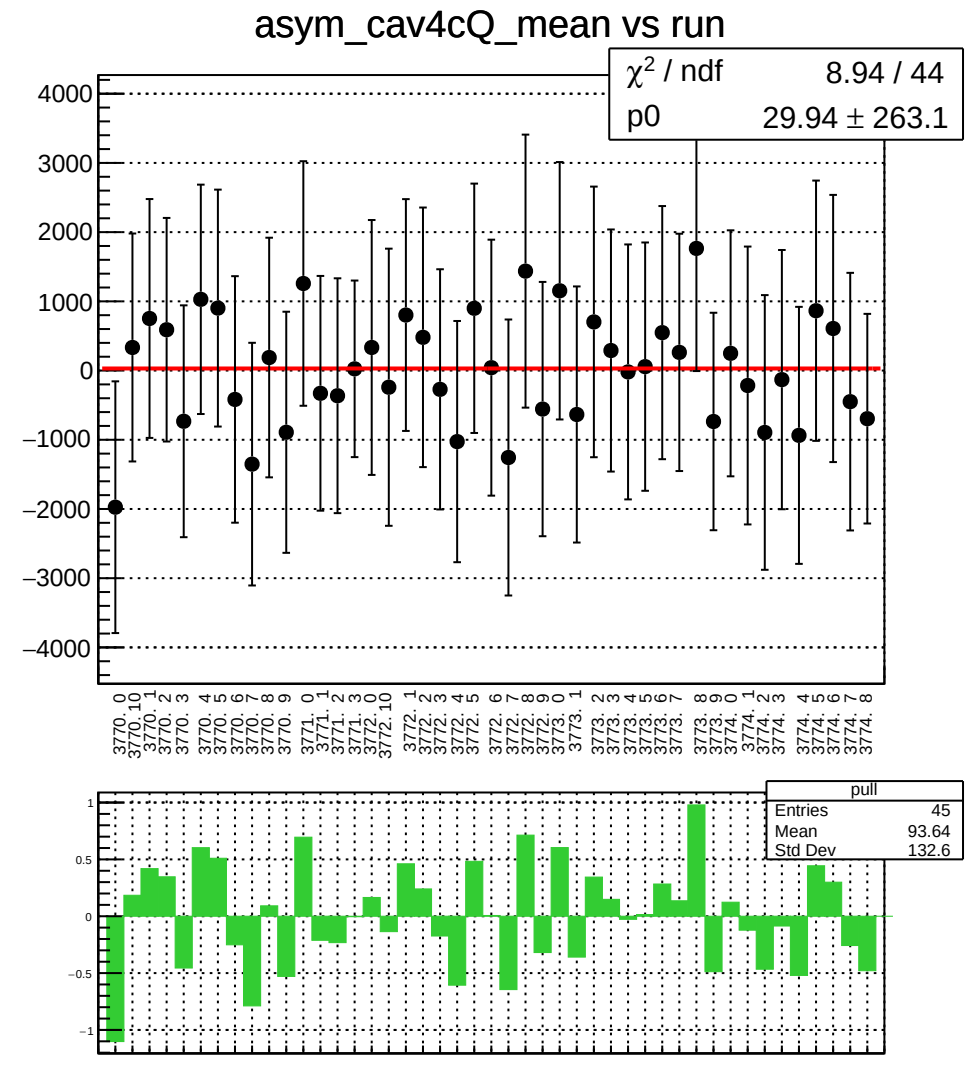

asym_bcm_dg_ds_mean vs run
χ² / ndf 4.376 / 44
p0 6.915 ± 265.8
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 278.9
Std Dev 252
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.001202
Std Dev 0.3118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

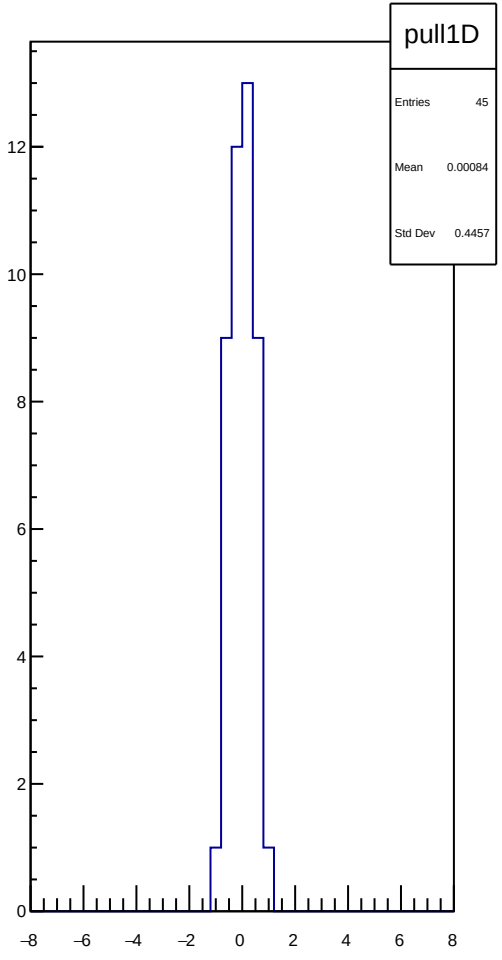

asym_bcm_dg_ds_rms vs run
χ² / ndf 2703 / 44
p0 171.9 ± 0.188
200
190
180
170
160
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

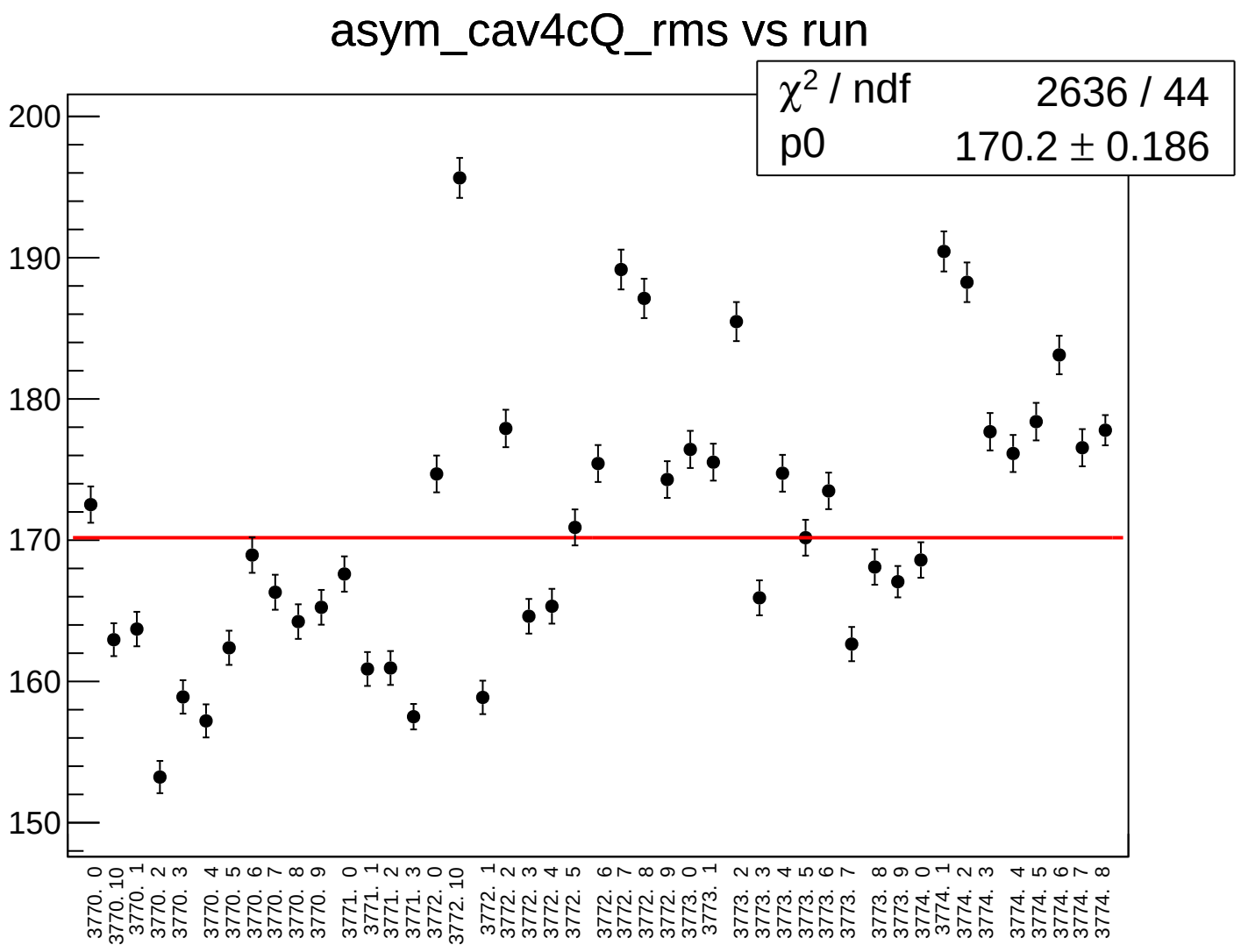

asym_cav4bQ_mean vs run
χ² / ndf 53.59 / 44
p0 −0.609 ± 4.327
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 300
Std Dev 282.6
3
2
1
0
−1
−2

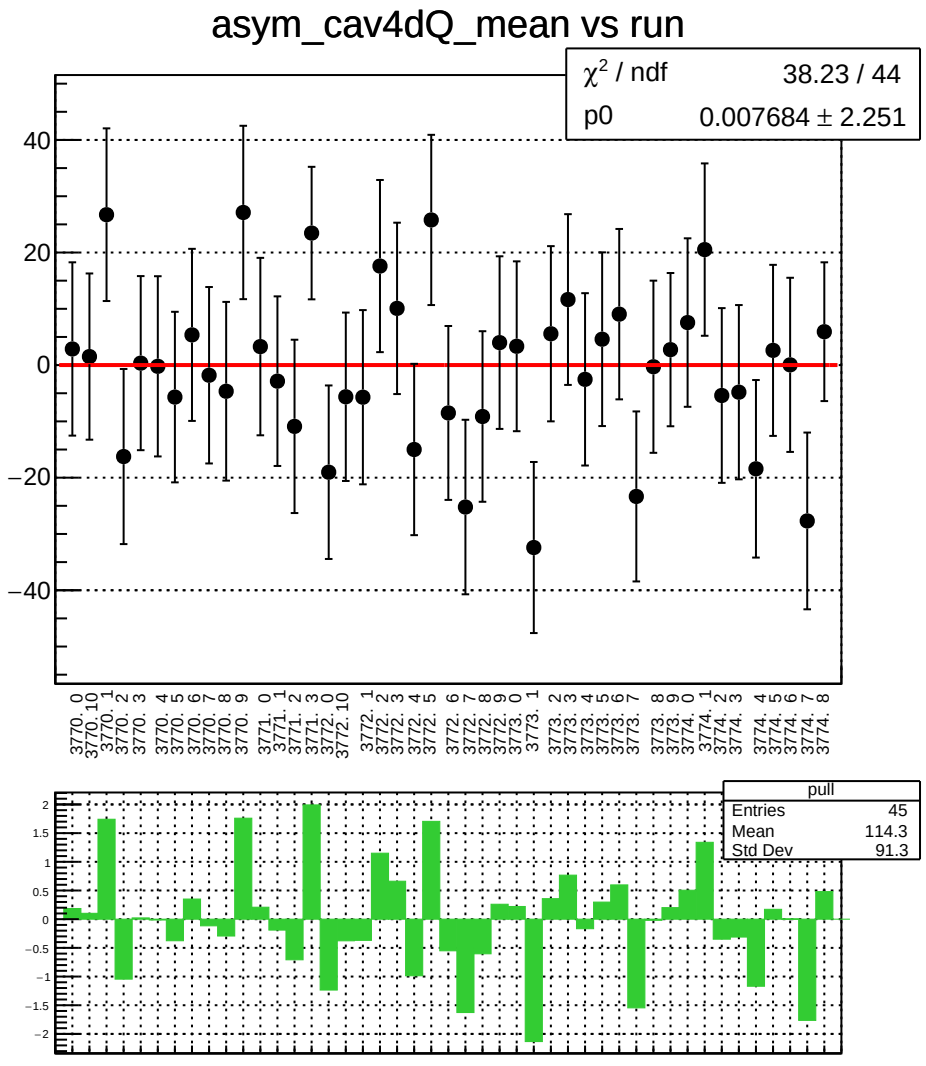

pull1D
Entries 45
Mean −0.008163
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

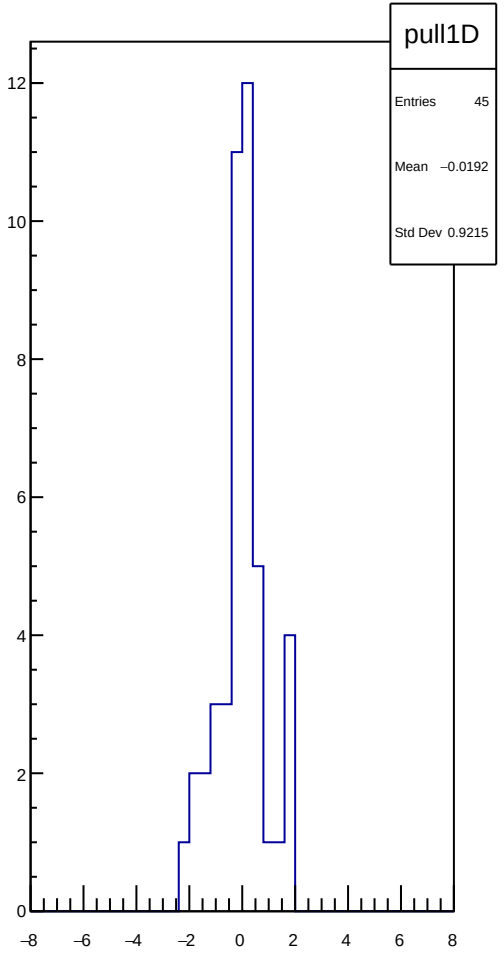

asym_cav4bQ_rms vs run
χ^2 / ndf 2375 / 44
p0 2.799 ± 0.003059
3.1
3
2.9
2.8
2.7
2.6
2.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

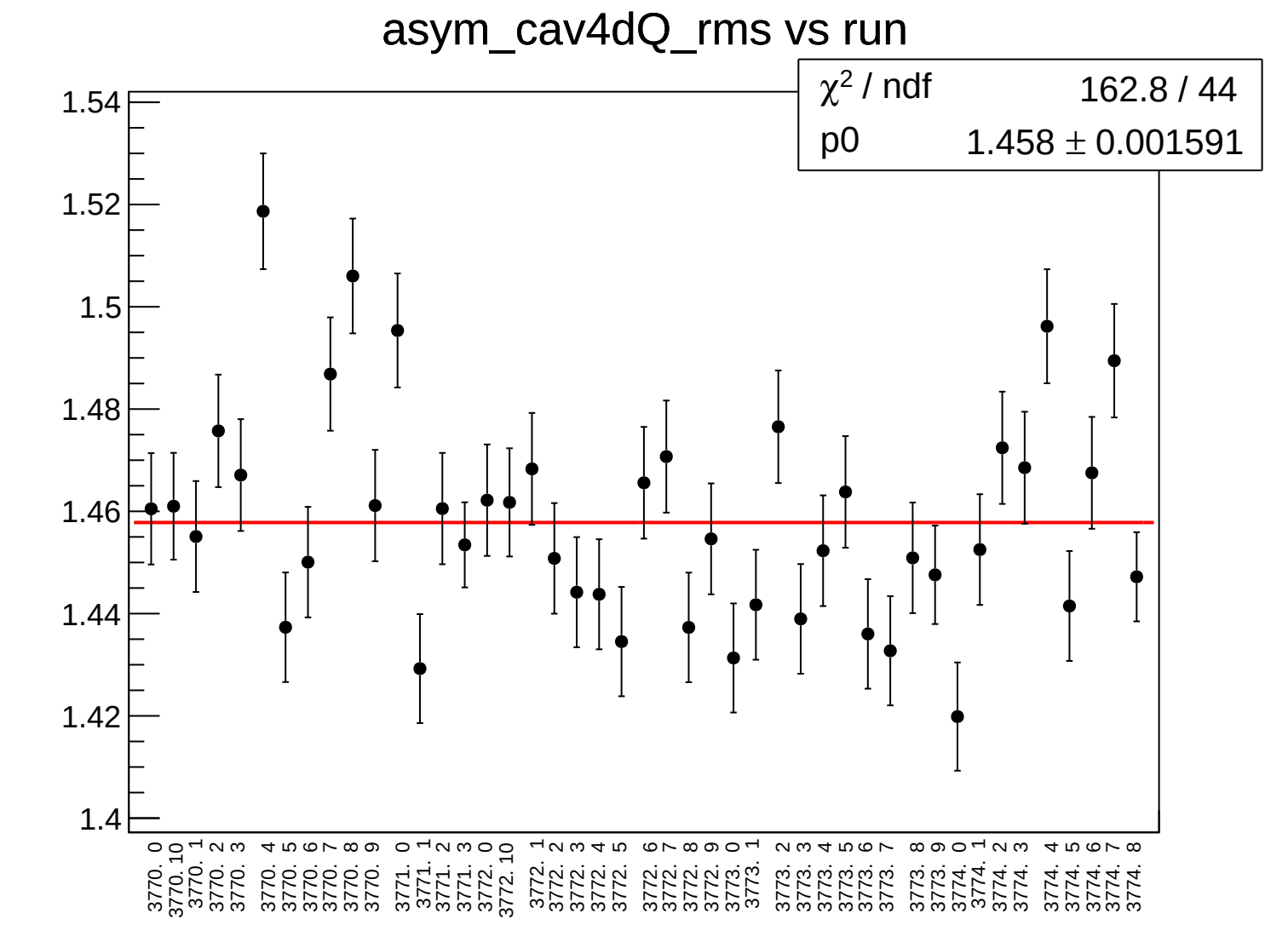

asym_cav4cQ_mean vs run
χ² / ndf 8.94 / 44
p0 29.94 ± 263.1
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 93.64
Std Dev 132.6
1
0.5
0
−0.5
−1

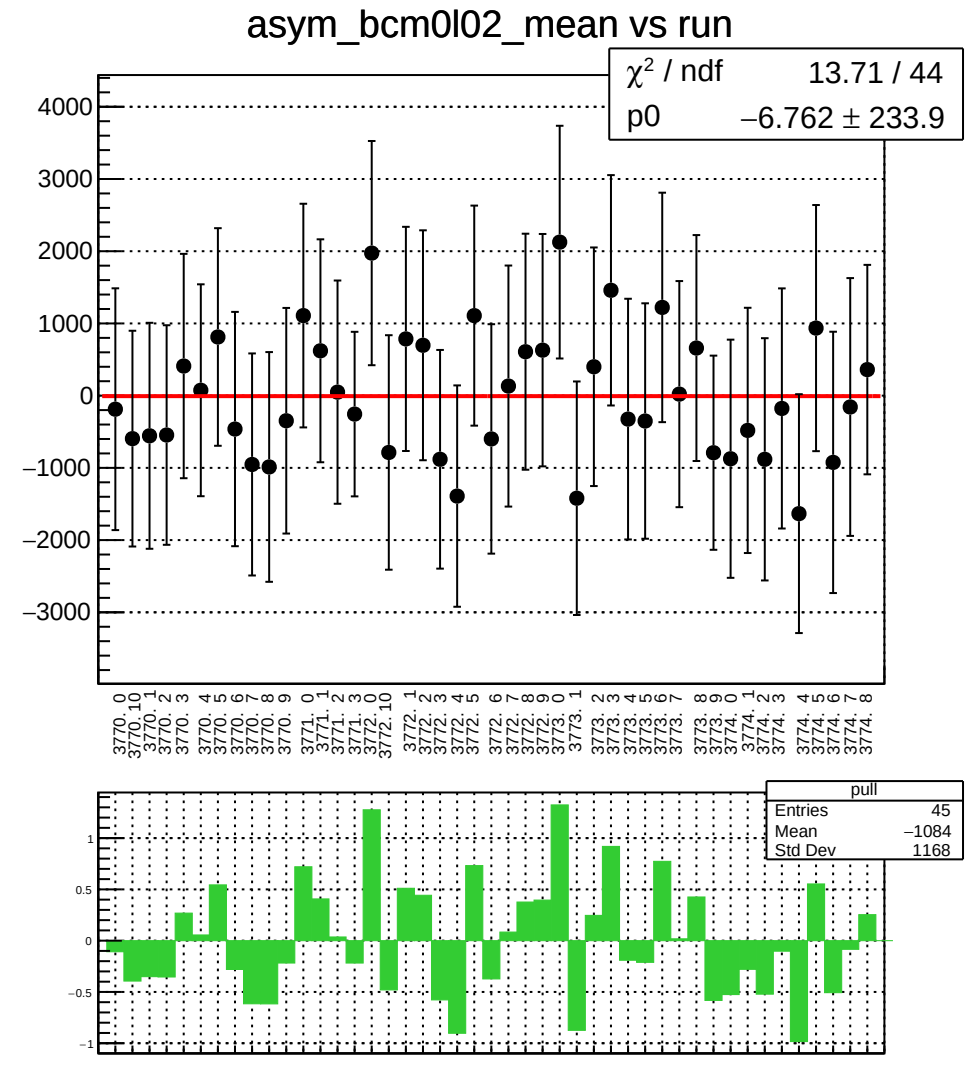

pull1D
Entries 45
Mean 0.00084
Std Dev 0.4457
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

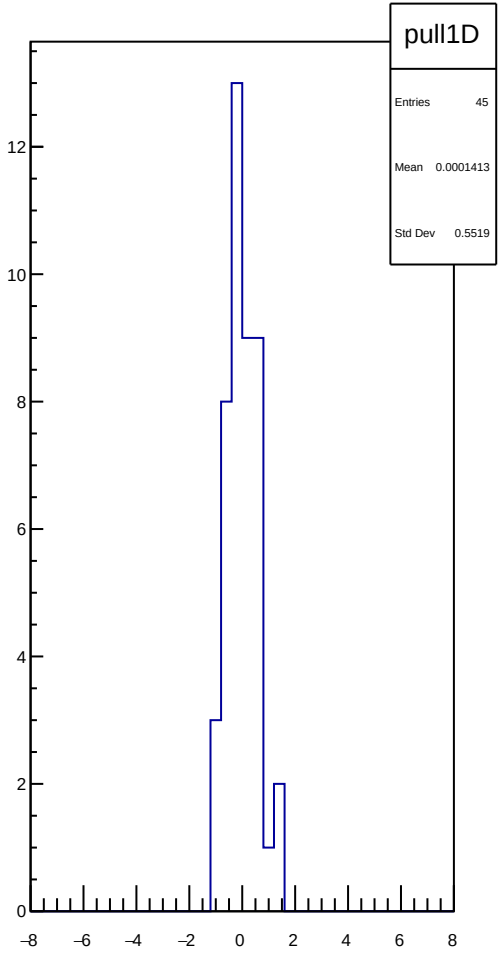

asym_cav4cQ_rms vs run
χ² / ndf 2636 / 44
p0 170.2 ± 0.186
200
190
180
170
160
150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

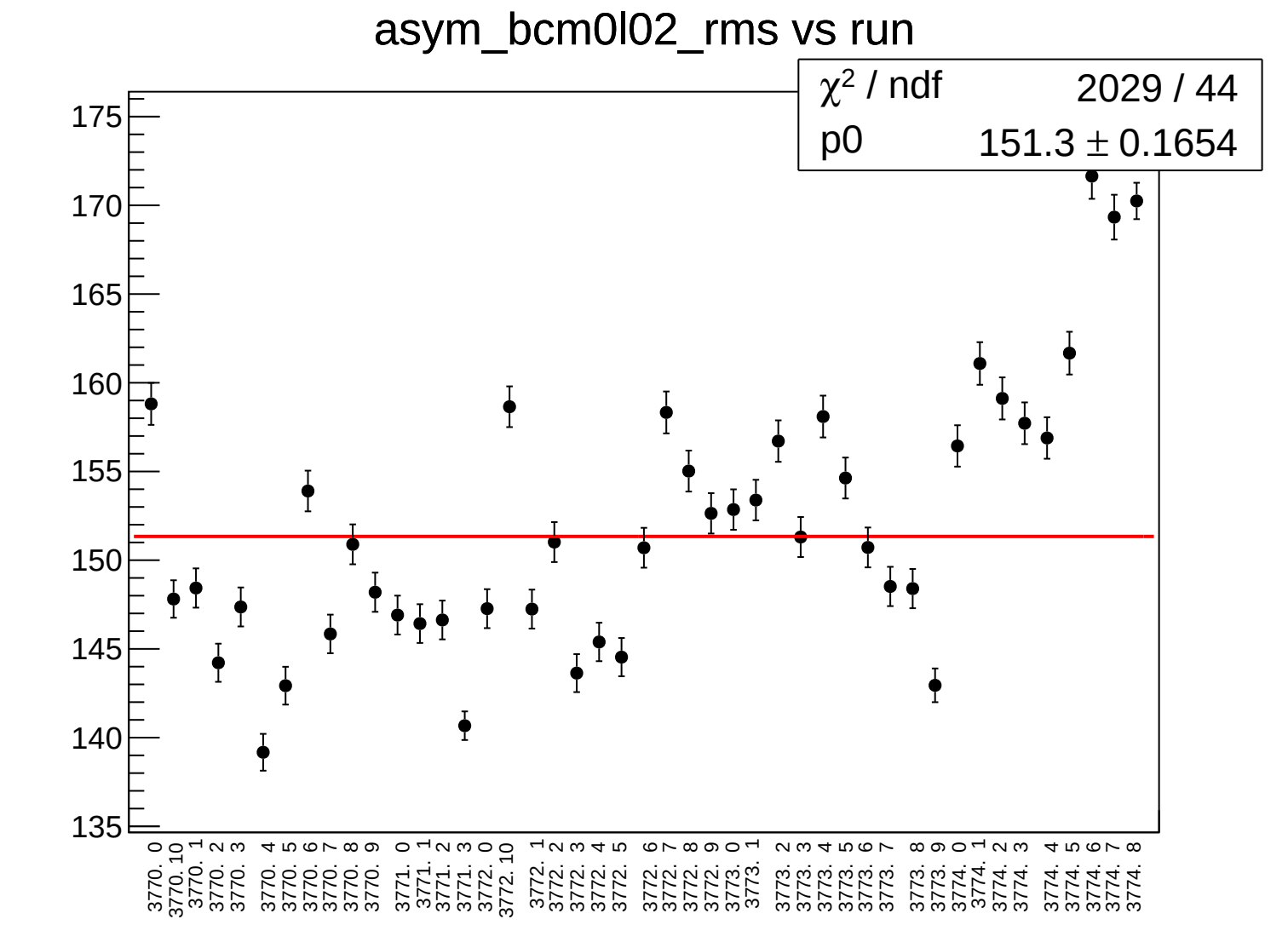

asym_cav4dQ_mean vs run
χ² / ndf 38.23 / 44
p0 0.007684 ± 2.251
pull
Entries 45
Mean 114.3
Std Dev 91.3

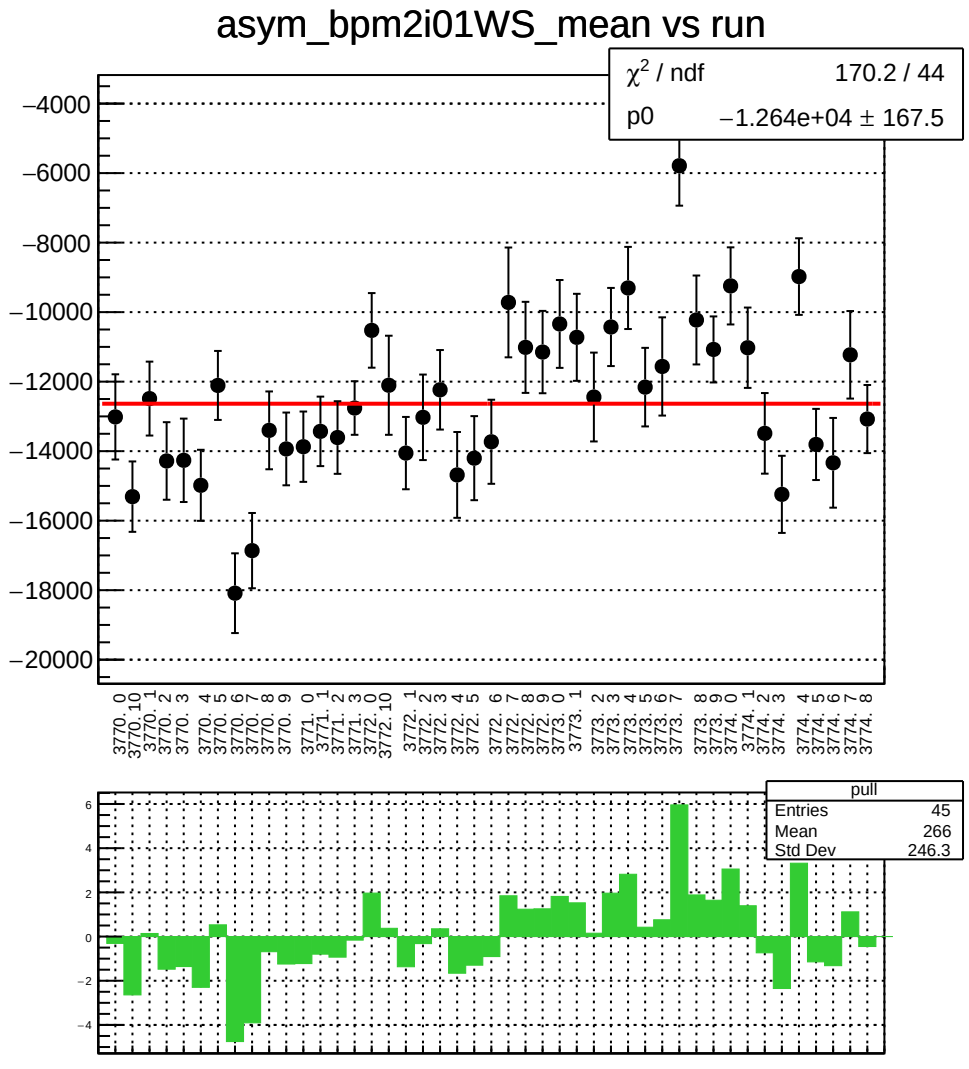

pull1D
Entries 45
Mean −0.0192
Std Dev 0.9215

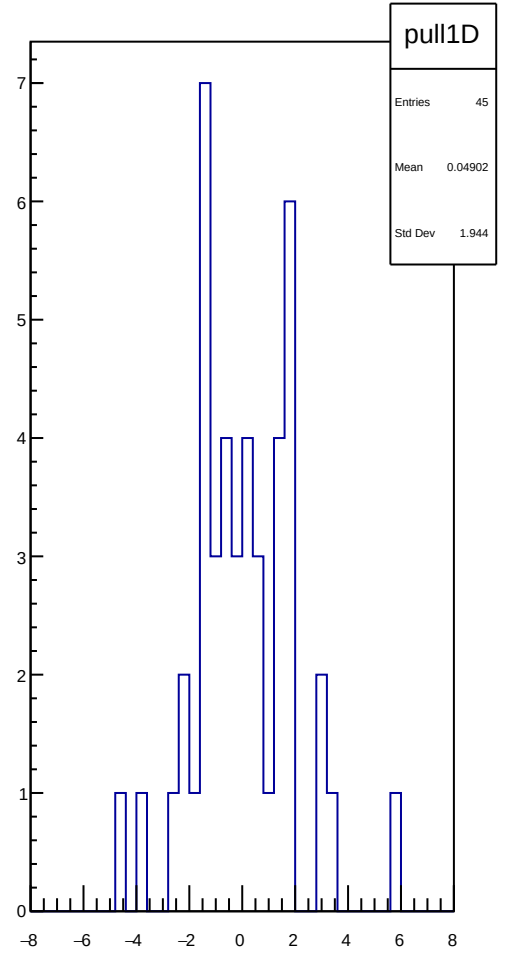

asym_cav4dQ_rms vs run
χ² / ndf 162.8 / 44
p0 1.458 ± 0.001591
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

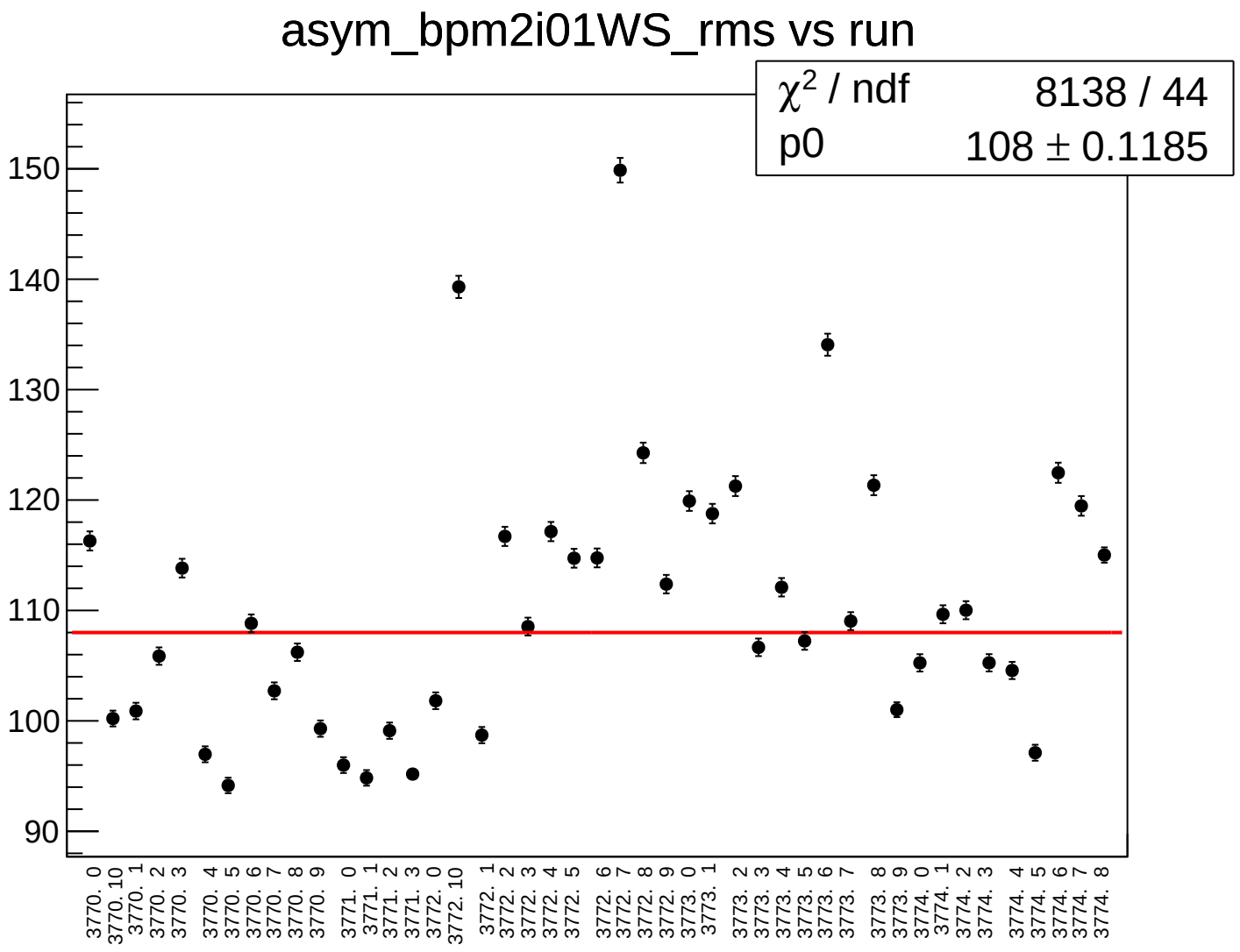

asym_bcm0l02_mean vs run
χ² / ndf 13.71 / 44
p0 −6.762 ± 233.9
4000
3000
2000
1000
0
−1000
−2000
−3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1084
Std Dev 1168
1
0.5
0
−0.5
−1

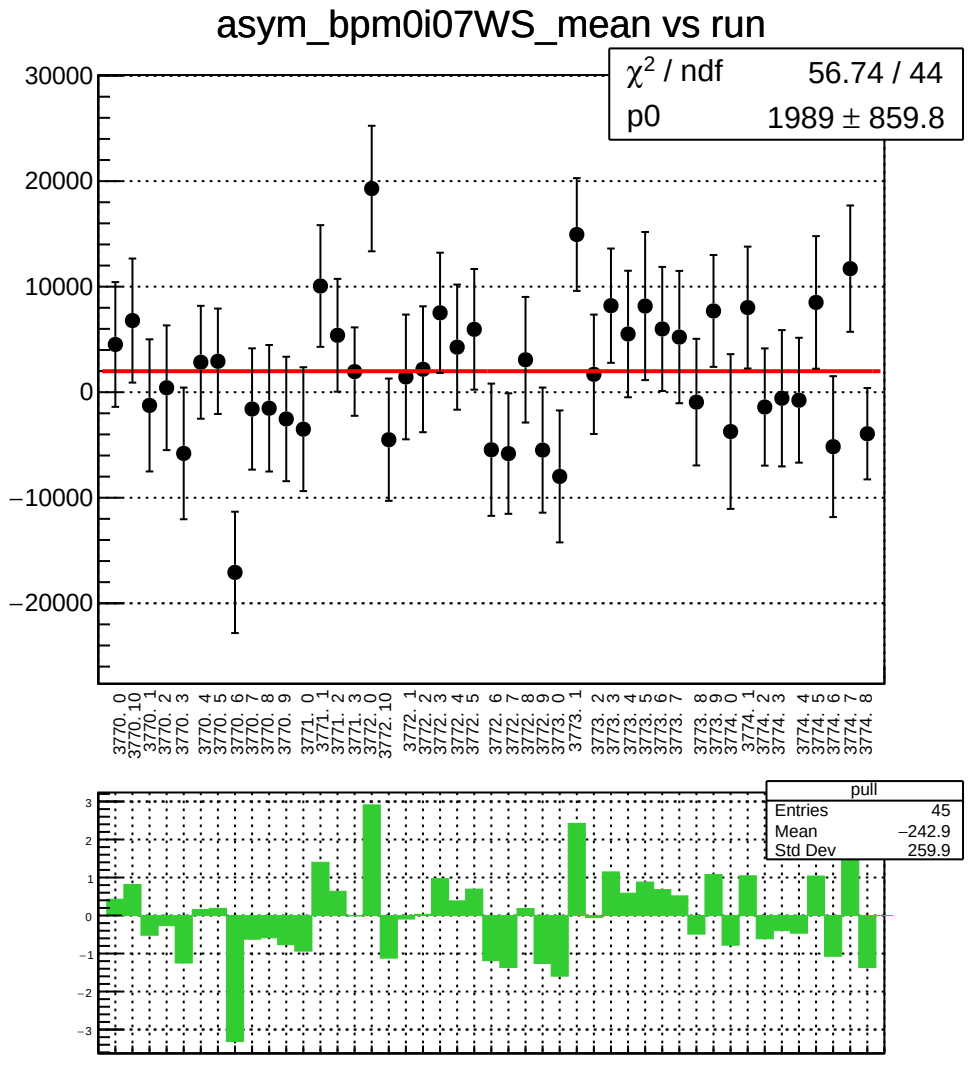

pull1D
Entries 45
Mean 0.0001413
Std Dev 0.5519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

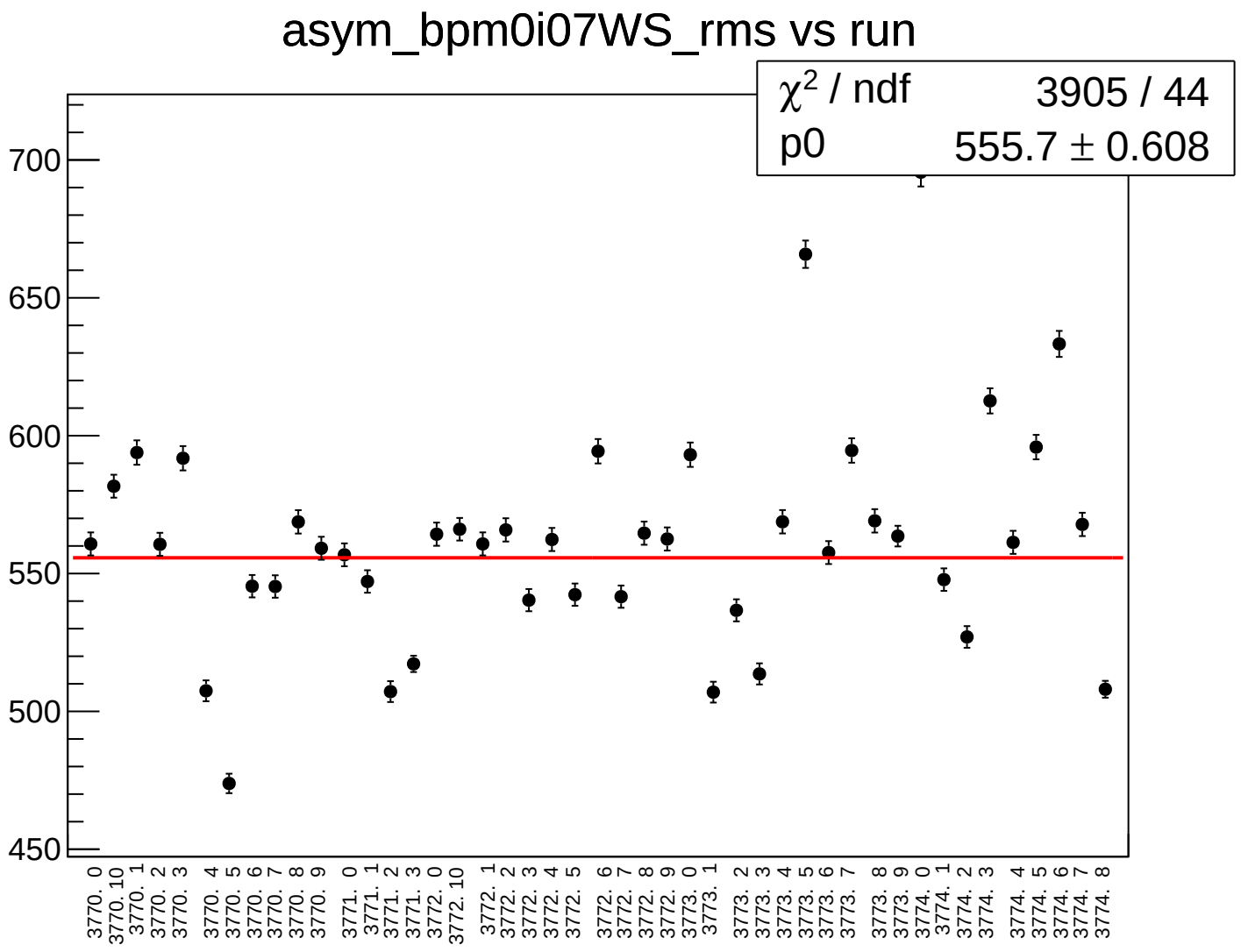

asym_bcm0l02_rms vs run
χ² / ndf 2029 / 44
p0 151.3 ± 0.1654
175
170
165
160
155
150
145
140
135
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

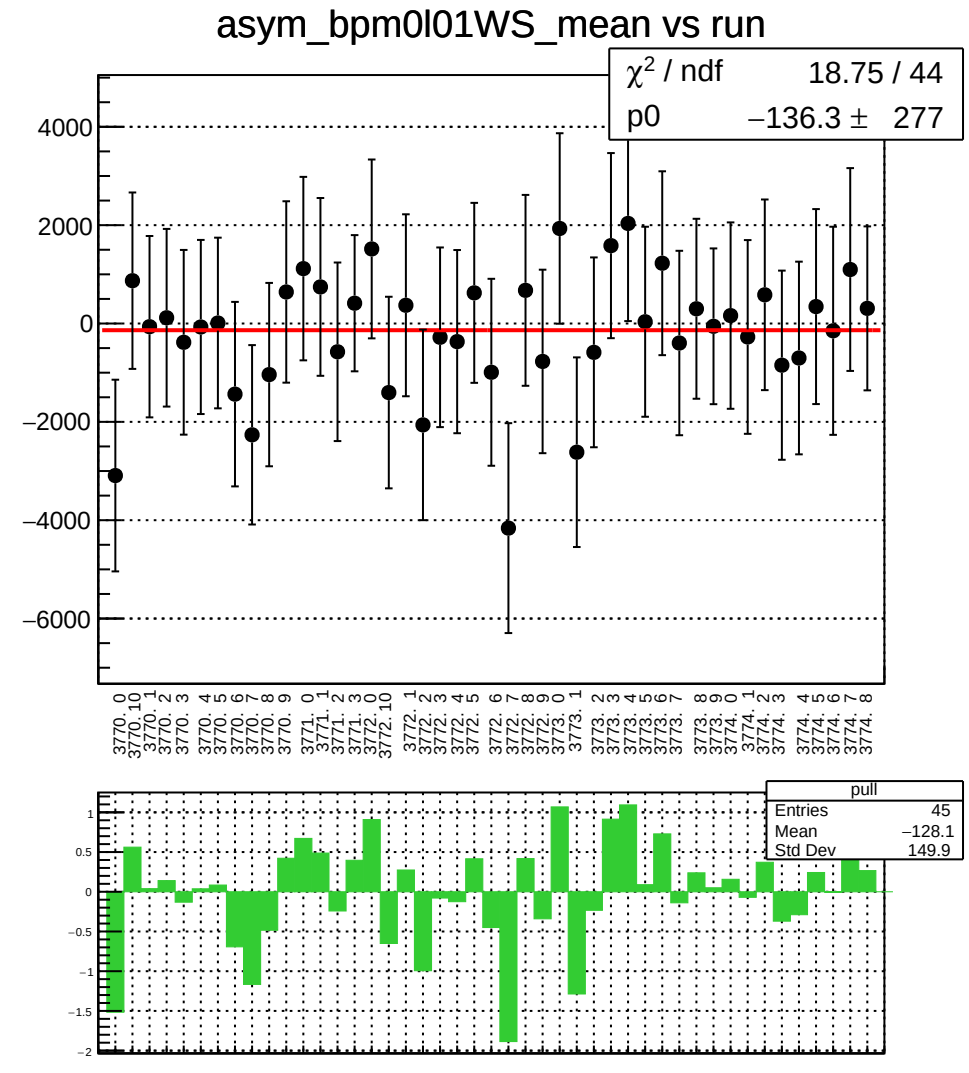

asym_bpm2i01WS_mean vs run
χ² / ndf 170.2 / 44
p0 −1.264e+04 ± 167.5
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 266
Std Dev 246.3
6
4
2
0
−2
−4

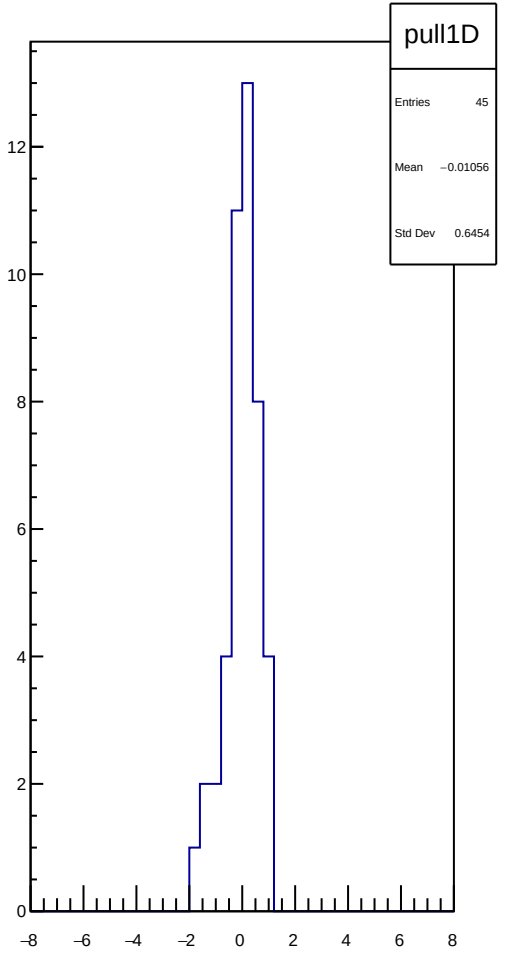

pull1D
Entries 45
Mean 0.04902
Std Dev 1.944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

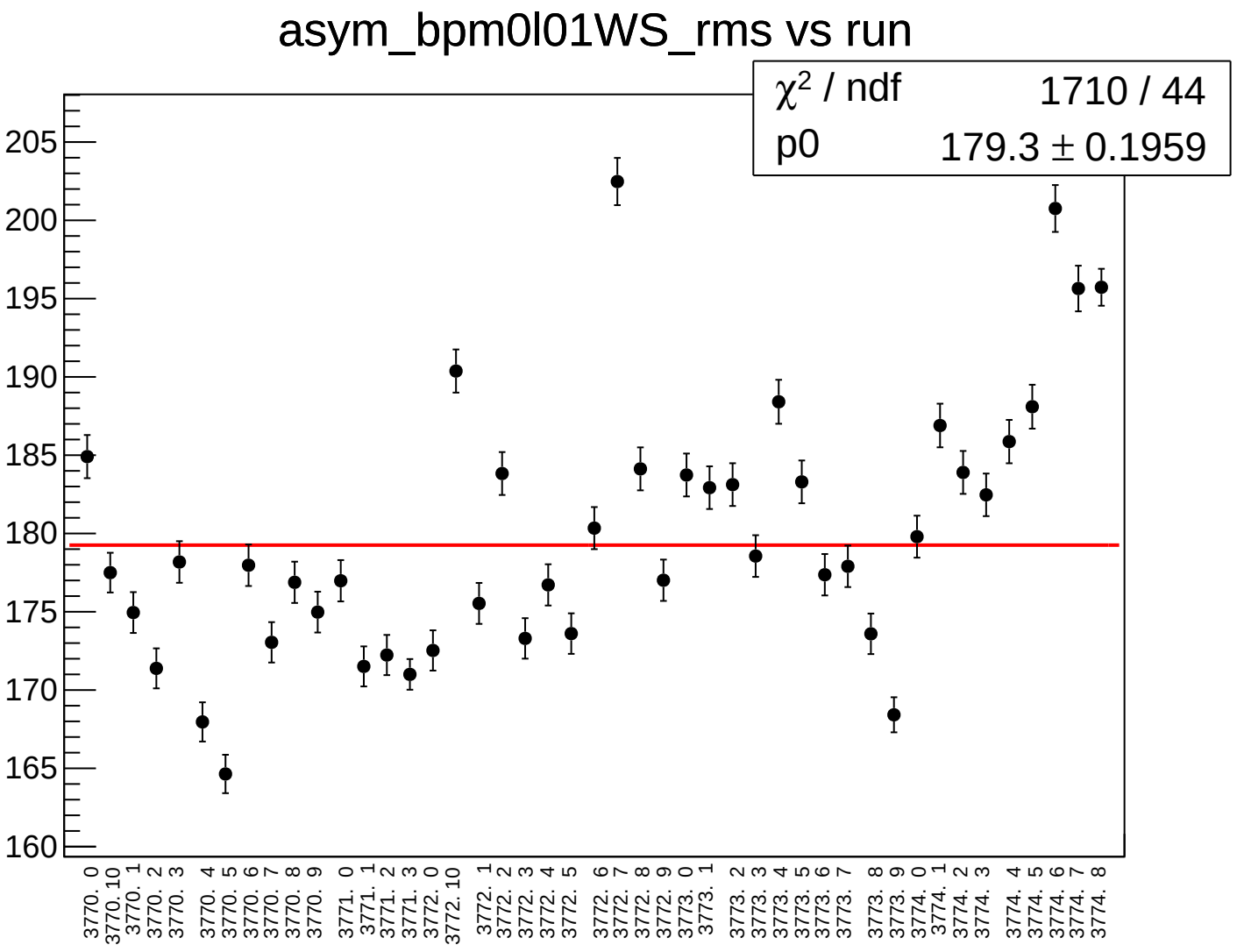

asym_bpm2i01WS_rms vs run
χ² / ndf 8138 / 44
p0 108 ± 0.1185
150
140
130
120
110
100
90
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

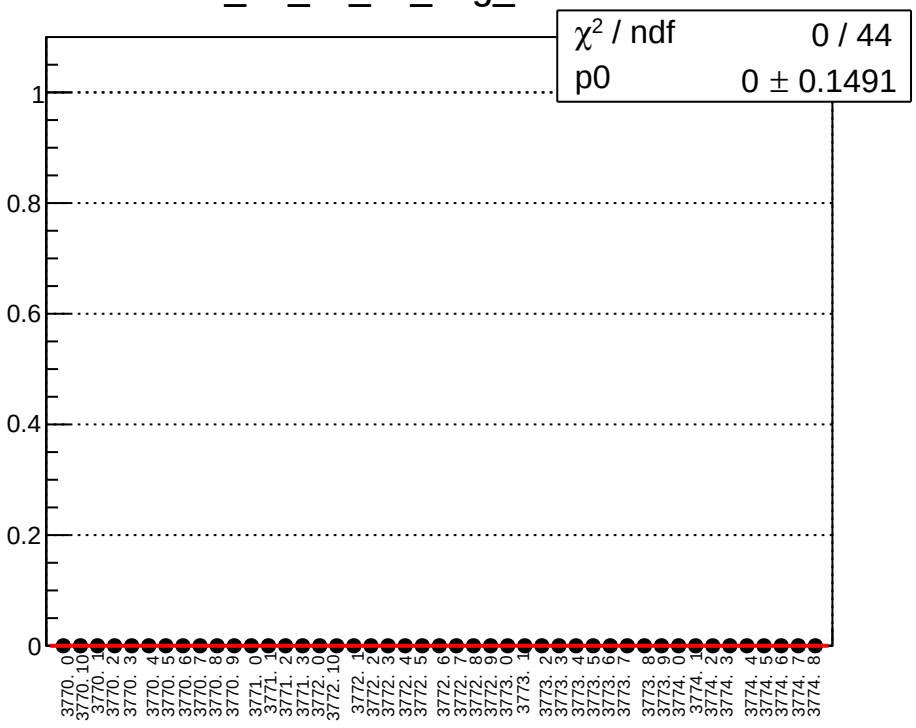

asym_bpm0i07WS_mean vs run
χ² / ndf 56.74 / 44
p0 1989 ± 859.8
30000
20000
10000
0
−10000
−20000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −242.9
Std Dev 259.9
3
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.006524
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i07WS_rms vs run
χ² / ndf 3905 / 44
p0 555.7 ± 0.608
700
650
600
550
500
450
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


asym_bpm0l01WS_mean vs run
χ² / ndf 18.75 / 44
p0 −136.3 ± 277
4000
2000
0
−2000
−4000
−6000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −128.1
Std Dev 149.9
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 45
Mean −0.01056
Std Dev 0.6454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l01WS_rms vs run
χ² / ndf 1710 / 44
p0 179.3 ± 0.1959
205
200
195
190
185
180
175
170
165
160
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


bcm_an_us_ds_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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3774. 2
3774. 3
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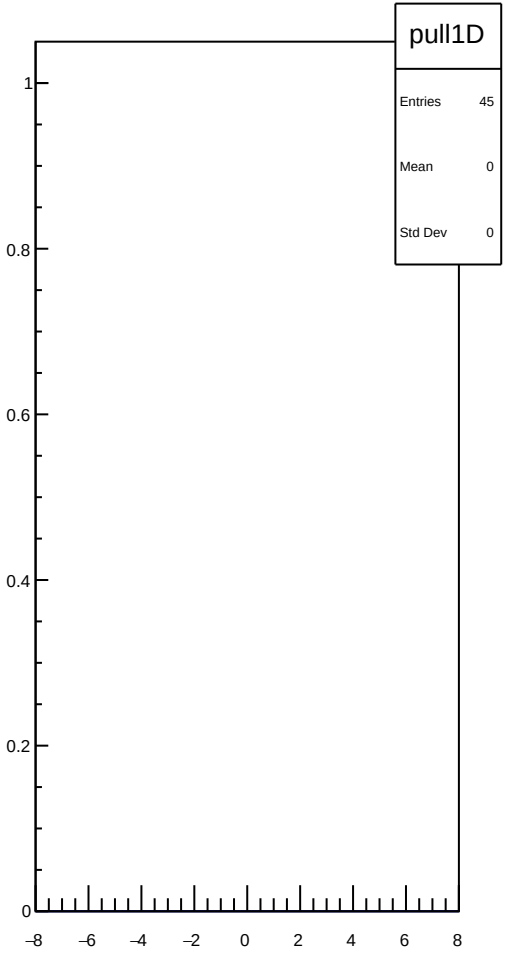
3774. 8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Entries 45
Mean 0
Std Dev 0
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0.2
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–4
–2
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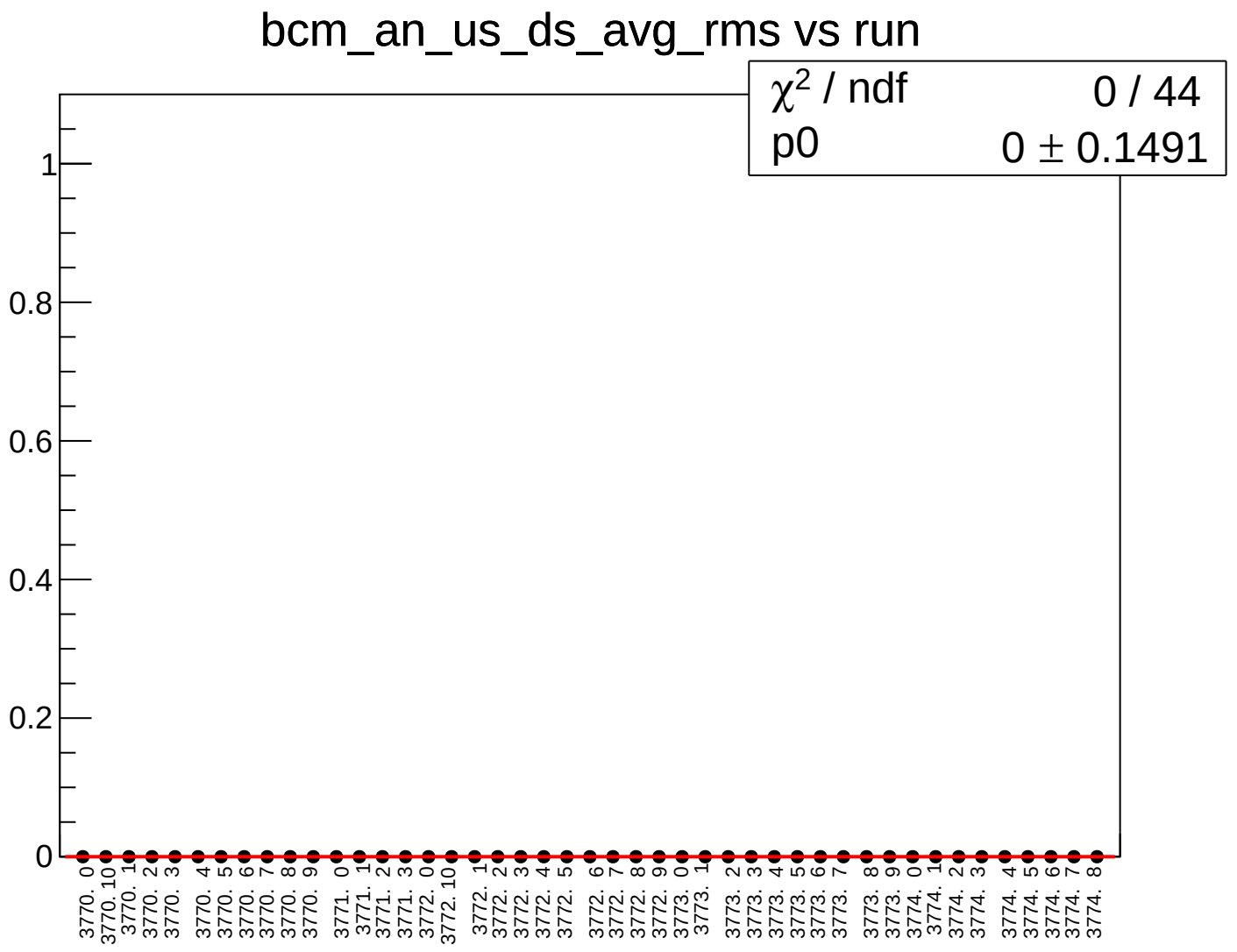
2
4
6
8


bcm_an_us_ds_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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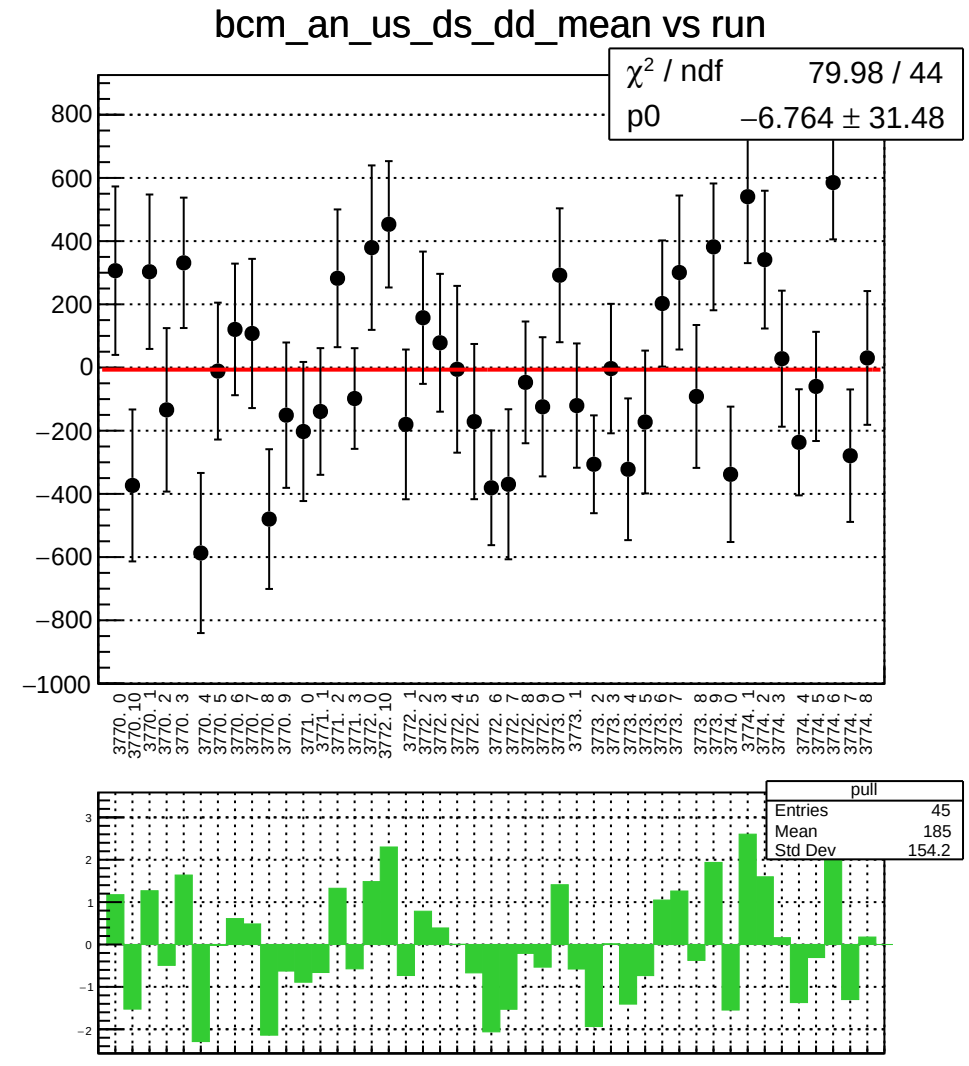
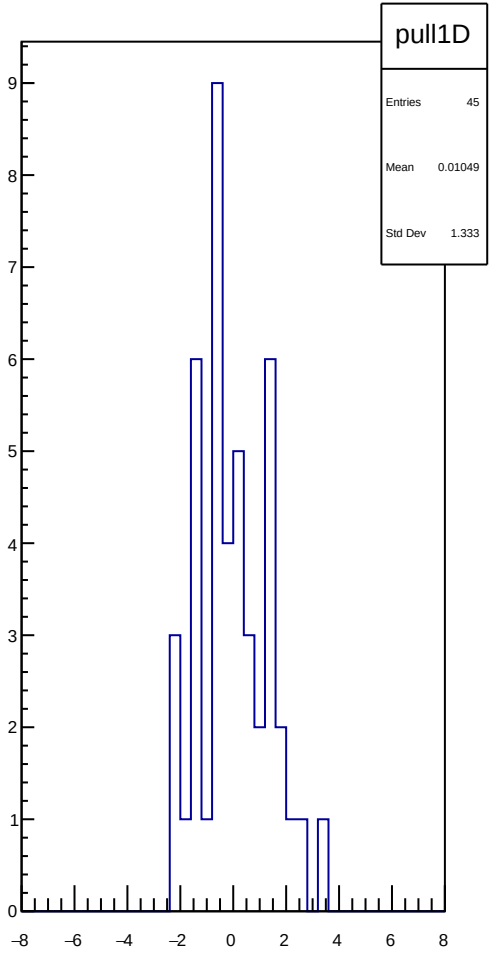
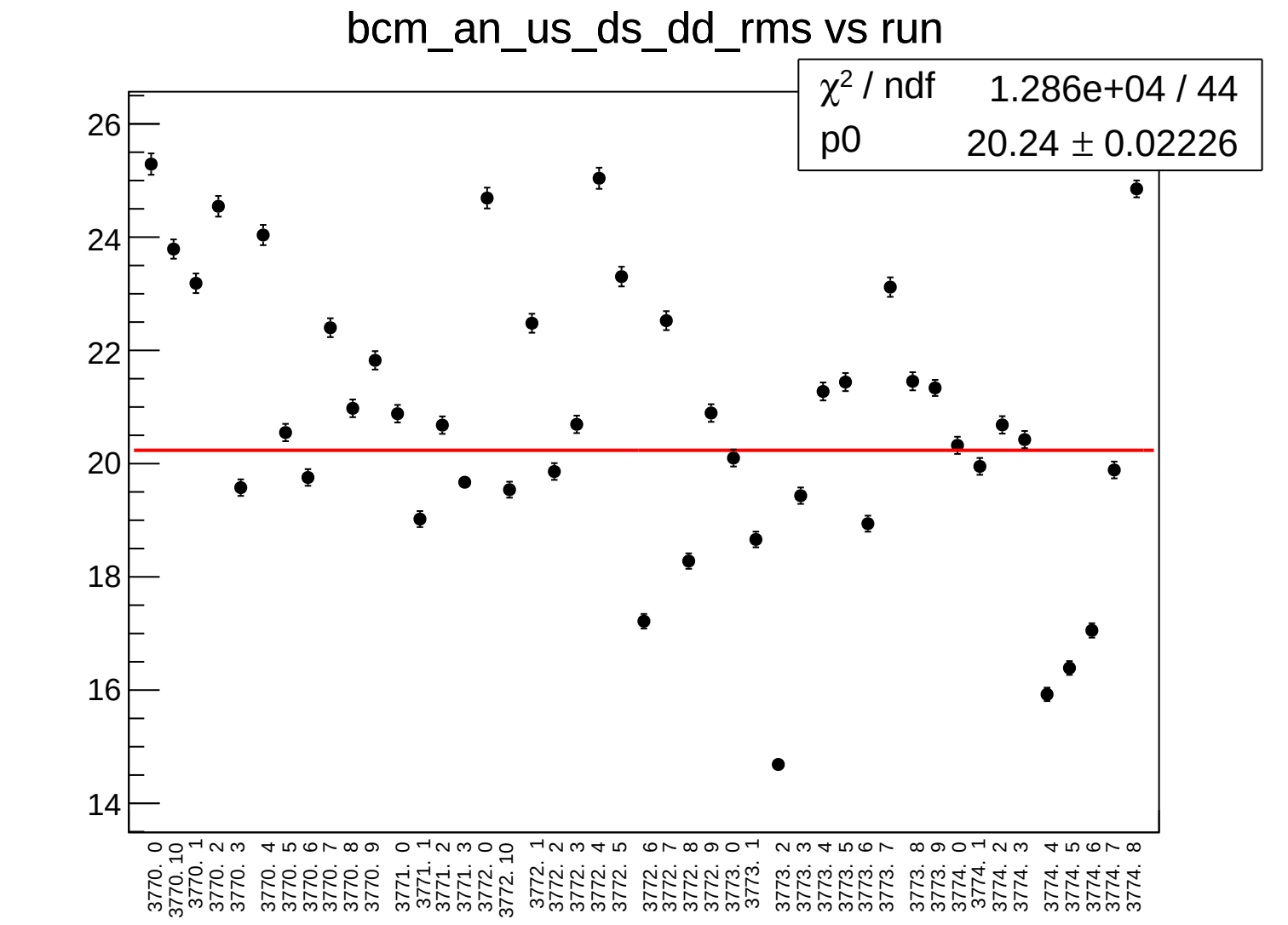

bcm_an_us_ds_dd_mean vs run
χ² / ndf 79.98 / 44
p0 −6.764 ± 31.48
pull
Entries 45
Mean 185
Std Dev 154.2


pull1D
Entries 45
Mean 0.01049
Std Dev 1.333


bcm_an_us_ds_dd_rms vs run
χ² / ndf 1.286e+04 / 44
p0 20.24 ± 0.02226
26
24
22
20
18
16
14
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
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3772. 3
3772. 4
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3772. 7
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3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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3774. 0
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3774. 2
3774. 3
3774. 4
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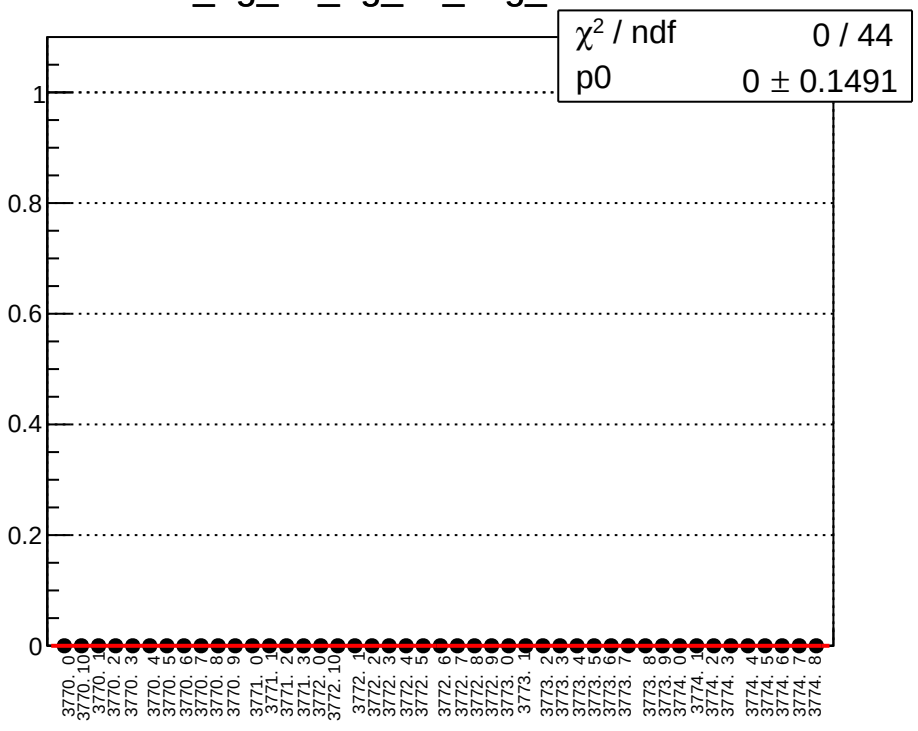
3774. 7
3774. 8


bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
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3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
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3772. 2
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3773. 0
3773. 1
3773. 2
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3773. 6
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3773. 8
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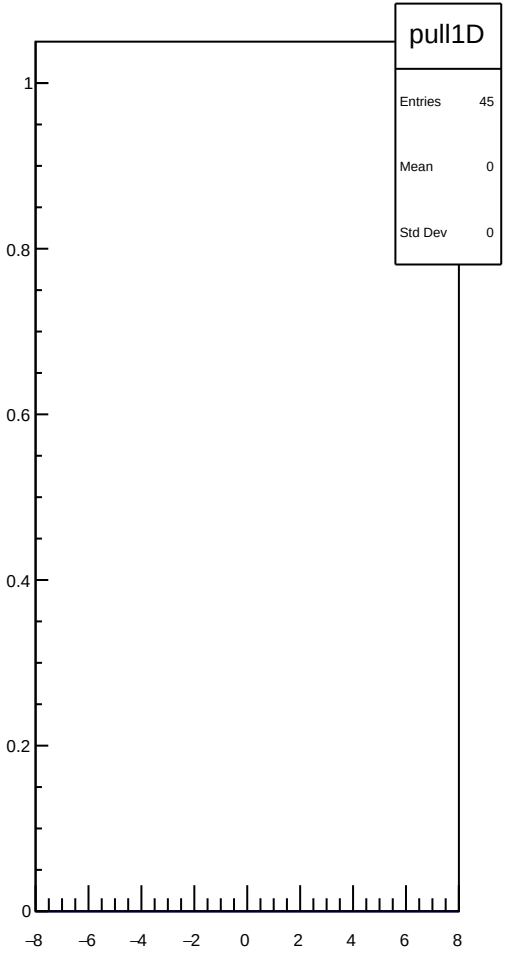
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
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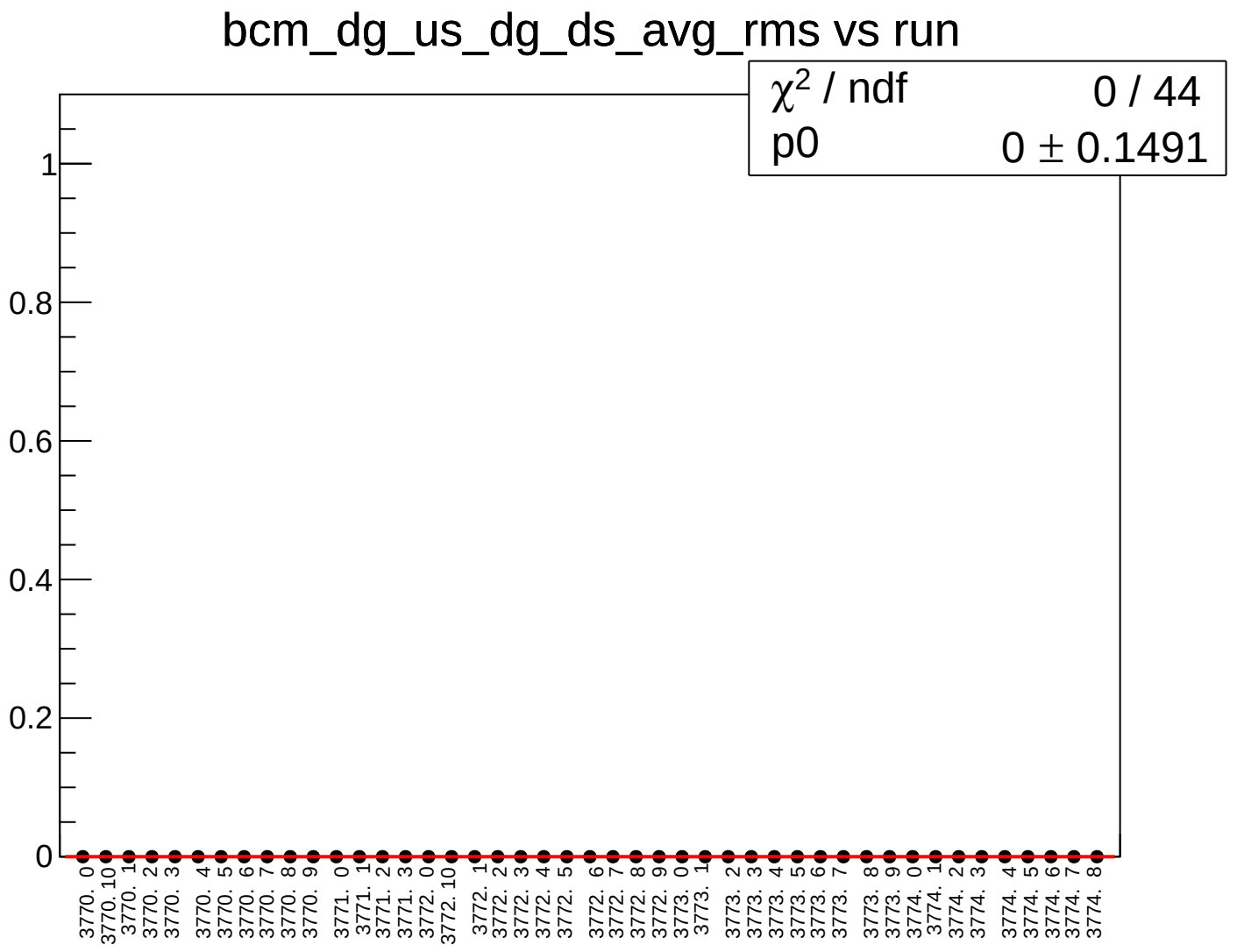
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_dg_us_dg_ds_avg_rms vs run
χ2 / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
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3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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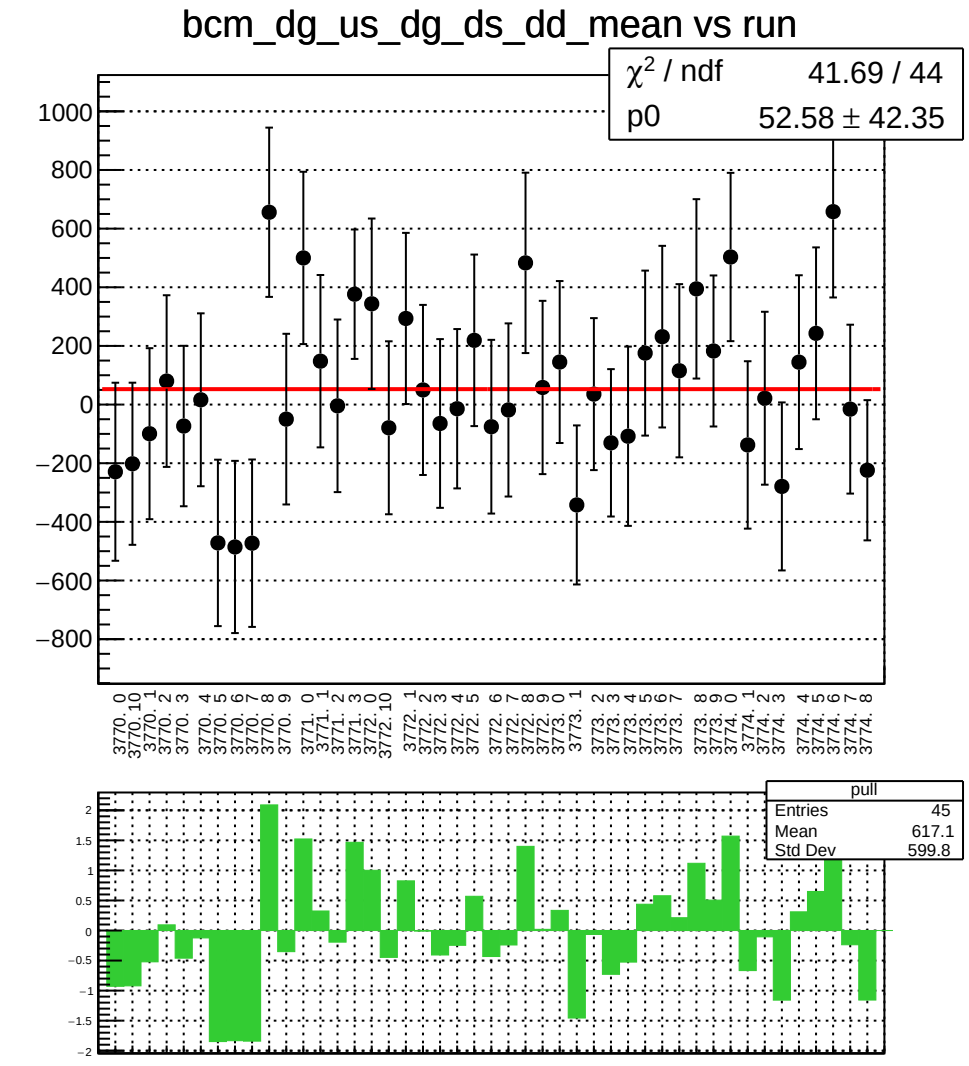
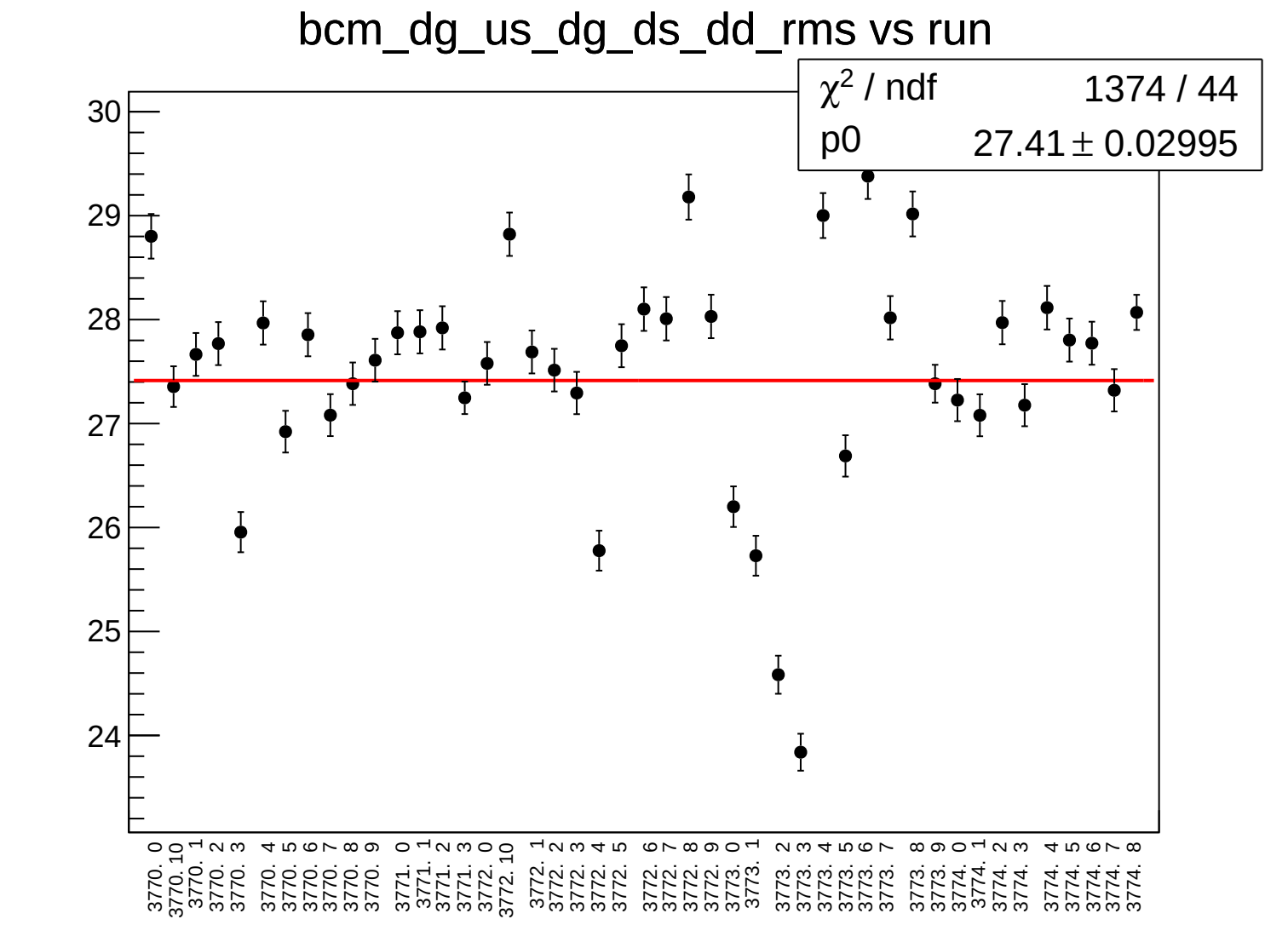
3774. 7
3774. 8


bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 41.69 / 44
p0 52.58 ± 42.35
1000
800
600
400
200
0
−200
−400
−600
−800
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 617.1
Std Dev 599.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.004479
Std Dev 0.9625
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1374 / 44
p0 27.41 ± 0.02995
30
29
28
27
26
25
24
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
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3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
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3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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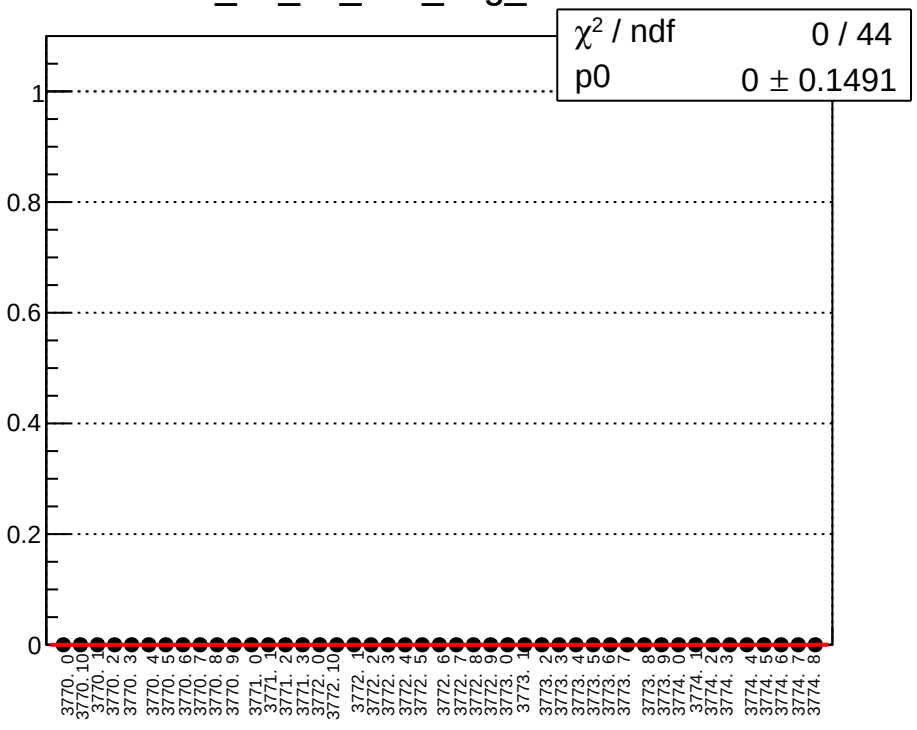
3774. 8


bcm_an_us_ds3_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
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3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
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3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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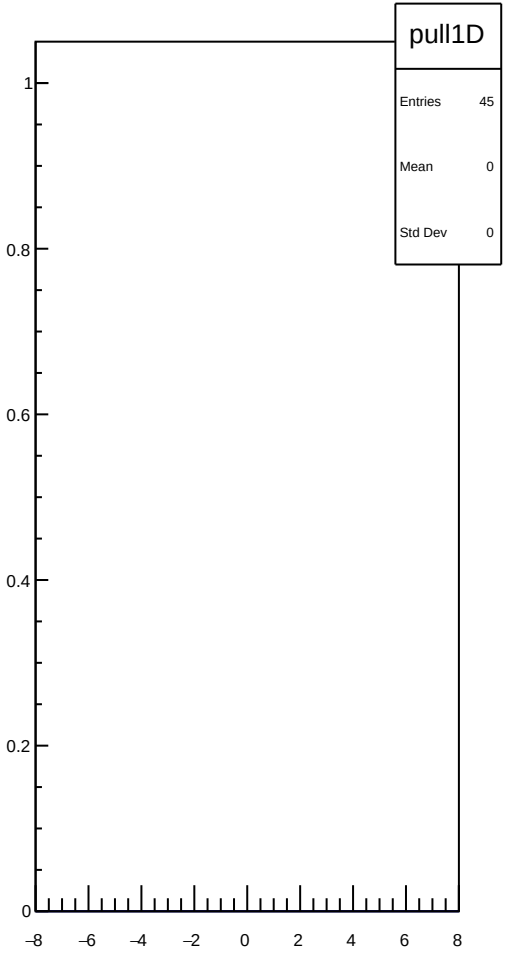
pull1D
Entries 45
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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2
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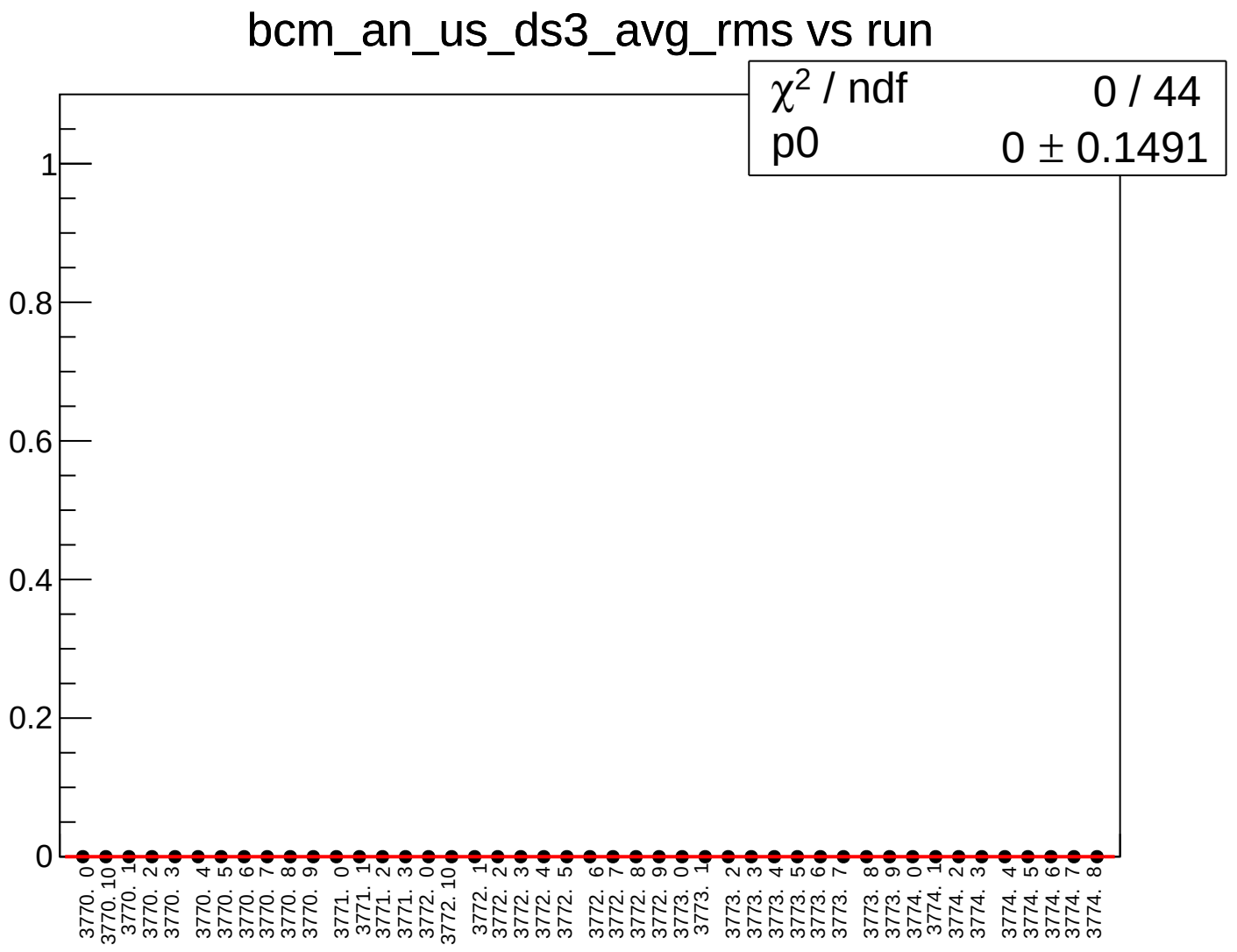
6
8


bcm_an_us_ds3_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
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3770. 7
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3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
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3772. 6
3772. 7
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3772. 9
3773. 0
3773. 1
3773. 2
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3773. 8
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3774. 1
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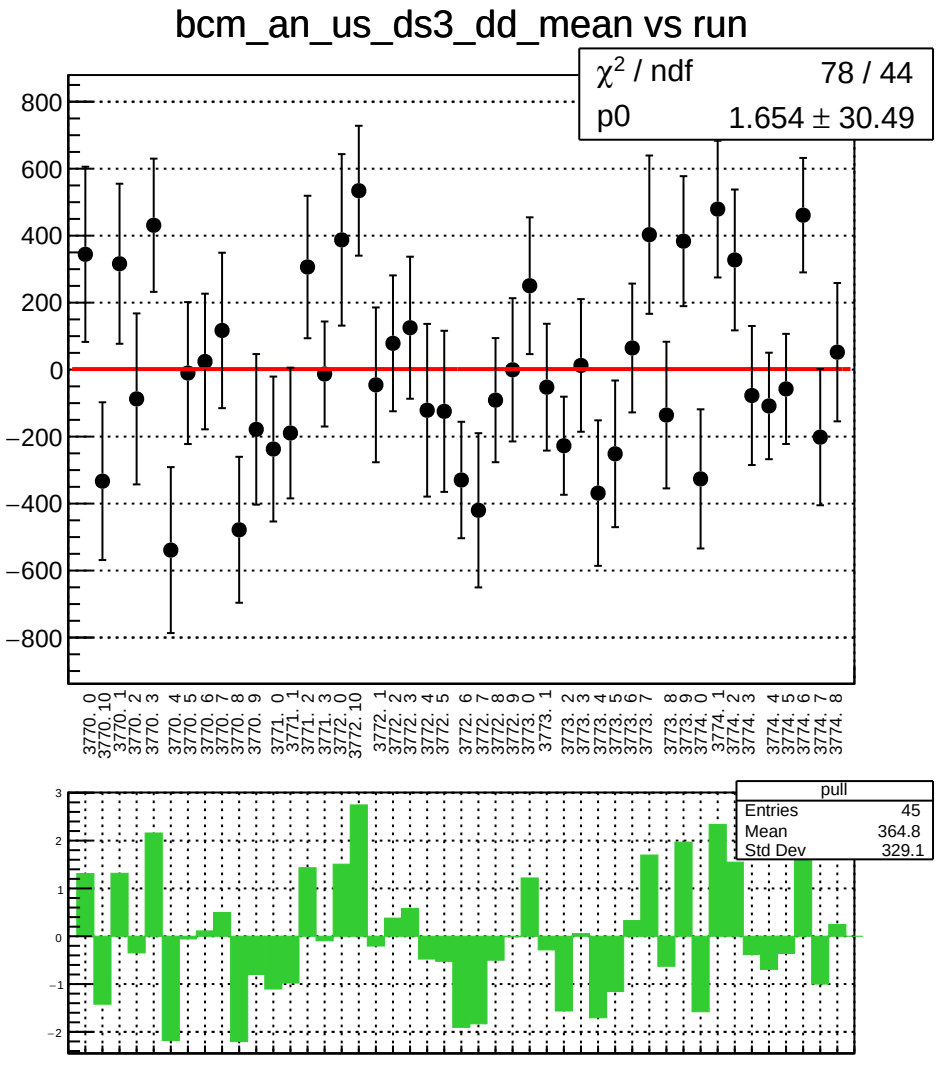
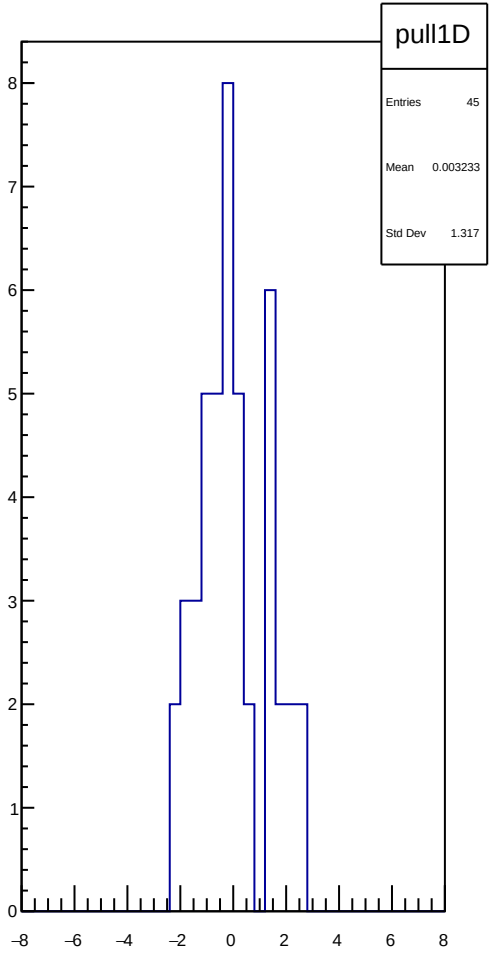
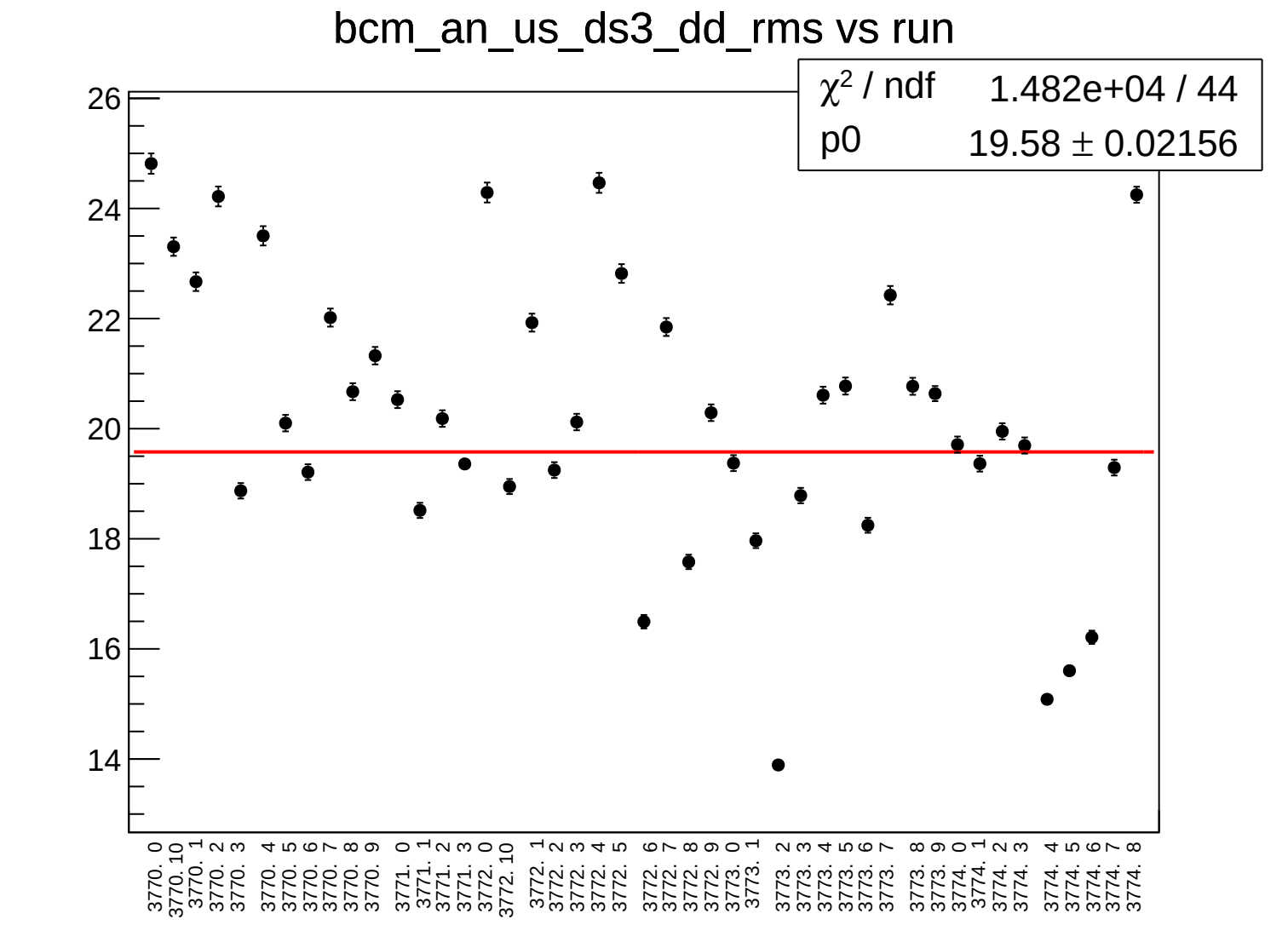
3774. 8


bcm_an_us_ds3_dd_mean vs run
χ^2 / ndf 78 / 44
p0 1.654 ± 30.49
pull
Entries 45
Mean 364.8
Std Dev 329.1


pull1D
Entries 45
Mean 0.003233
Std Dev 1.317


bcm_an_us_ds3_dd_rms vs run
χ² / ndf 1.482e+04 / 44
p0 19.58 ± 0.02156
26
24
22
20
18
16
14
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
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3770. 7
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3770. 9
3771. 0
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3772. 1
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3773. 0
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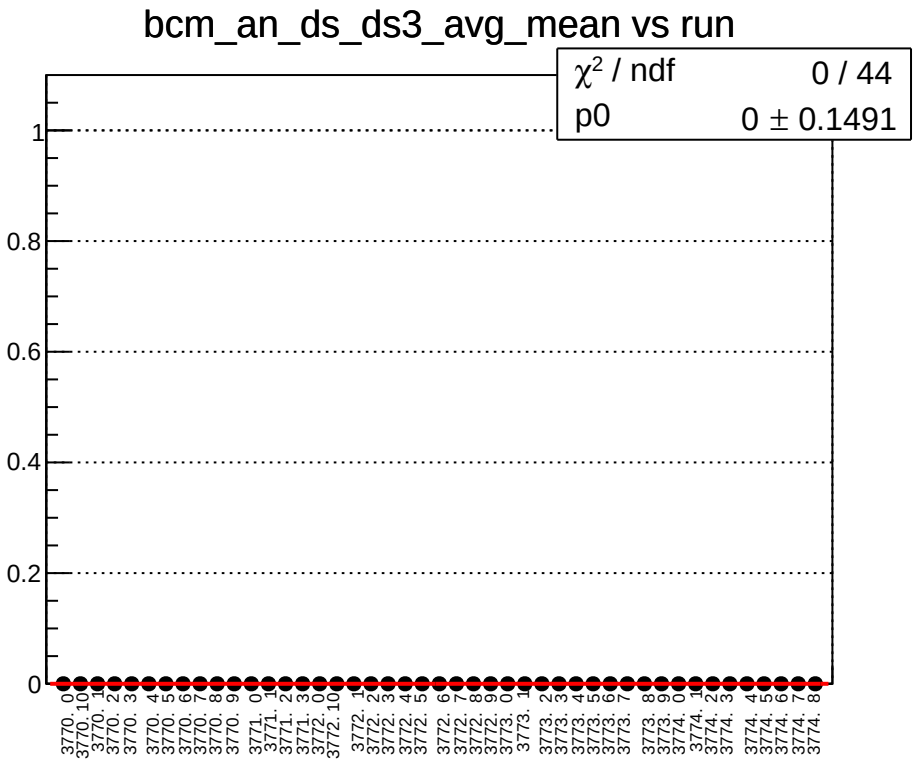
bcm_an_ds_ds3_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
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3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
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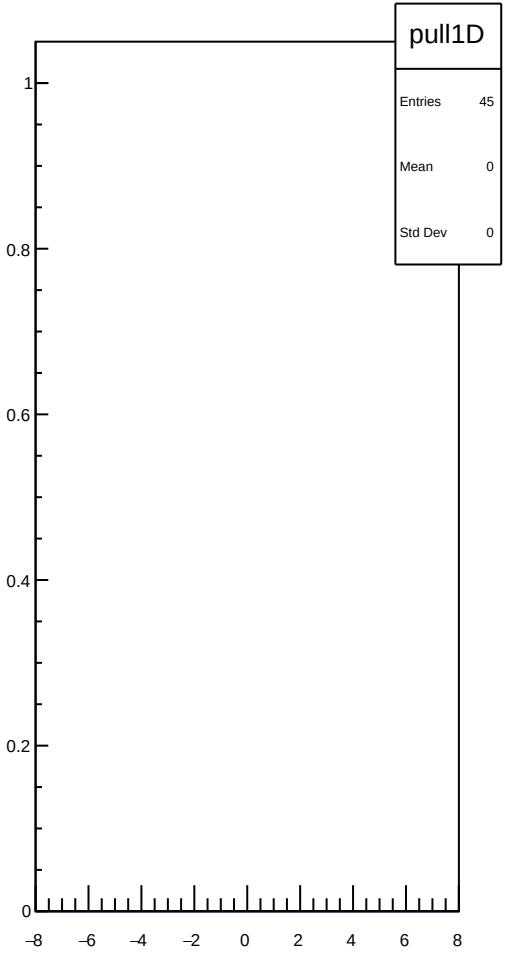
pull1D
Entries 45
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–4
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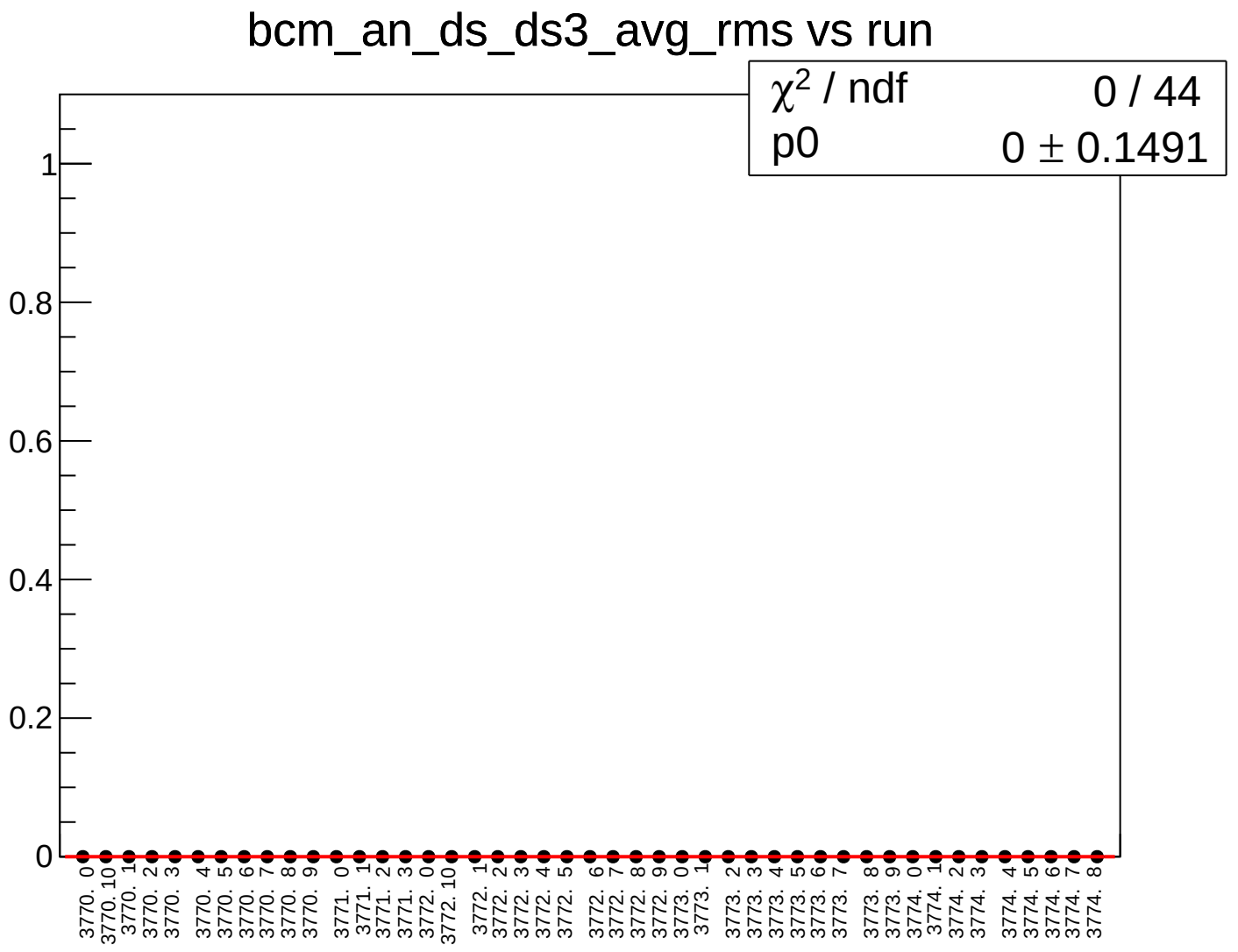
2
4
6
8


bcm_an_ds_ds3_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
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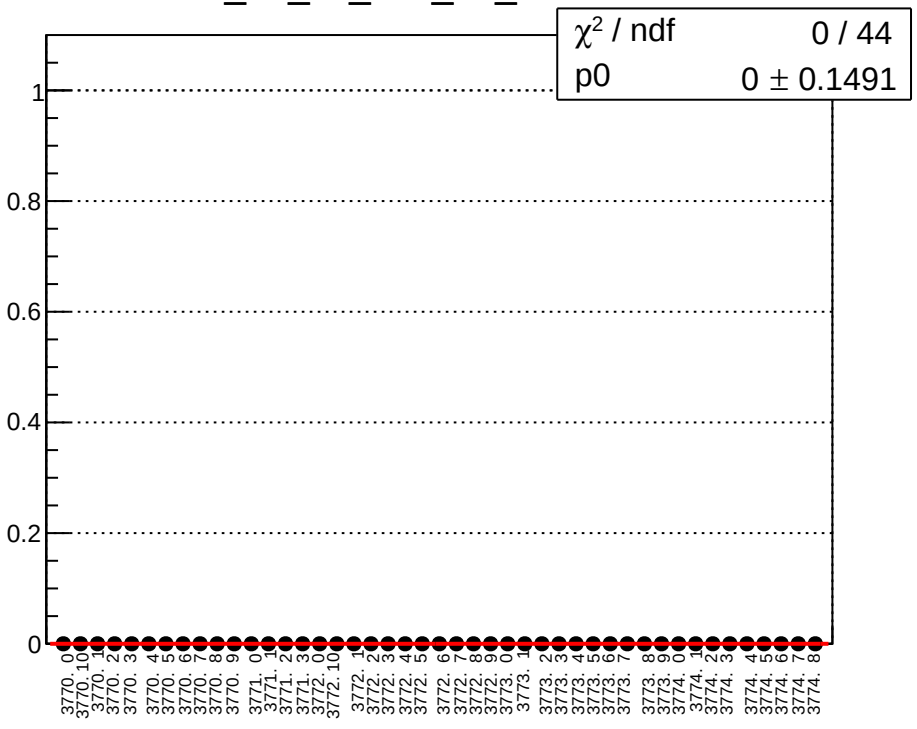
bcm_an_ds_ds3_dd_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
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3770. 7
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3770. 9
3771. 0
3771. 1
3771. 2
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3772. 10
3772. 1
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3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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3774. 1
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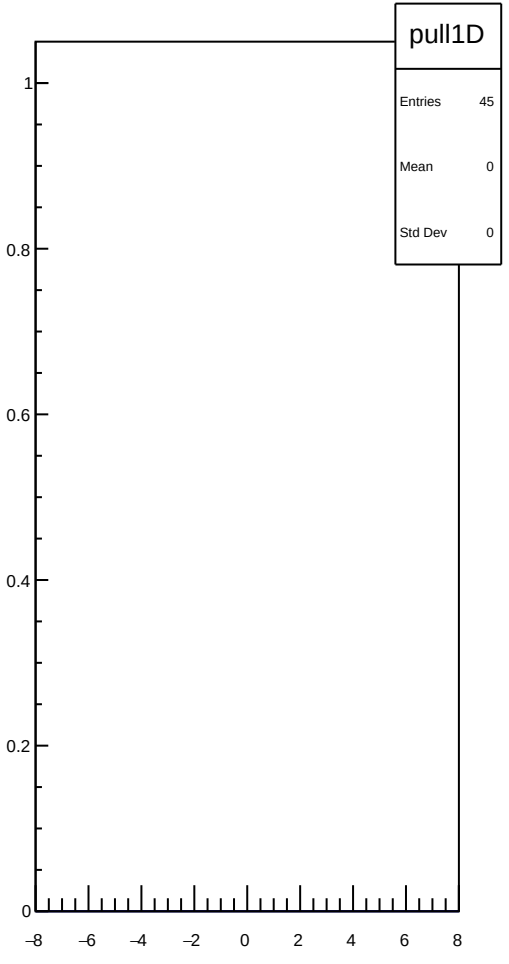
pull1D
Entries 45
Mean 0
Std Dev 0
1
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0.6
0.4
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2
4
6
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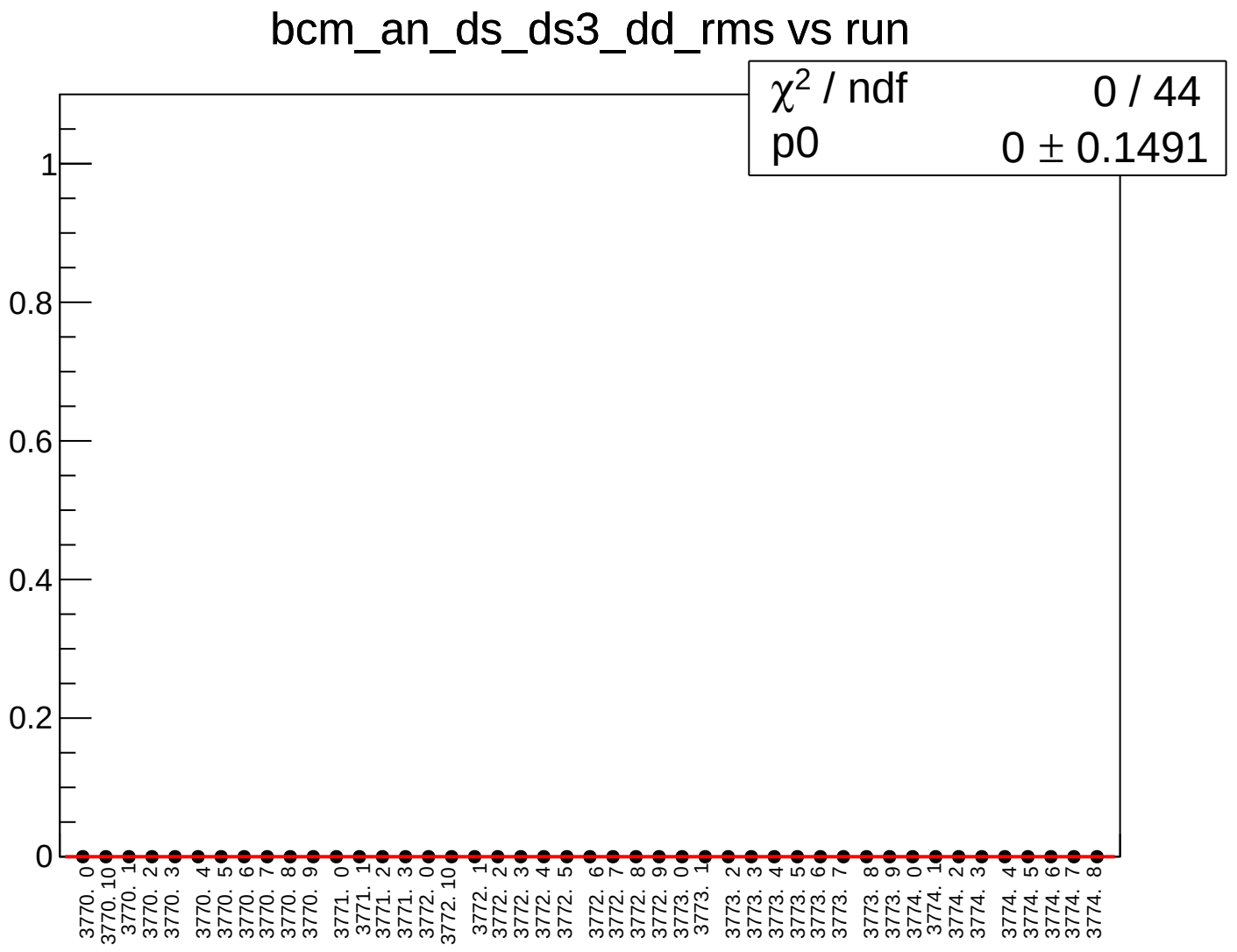
bcm_an_ds_ds3_dd_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
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3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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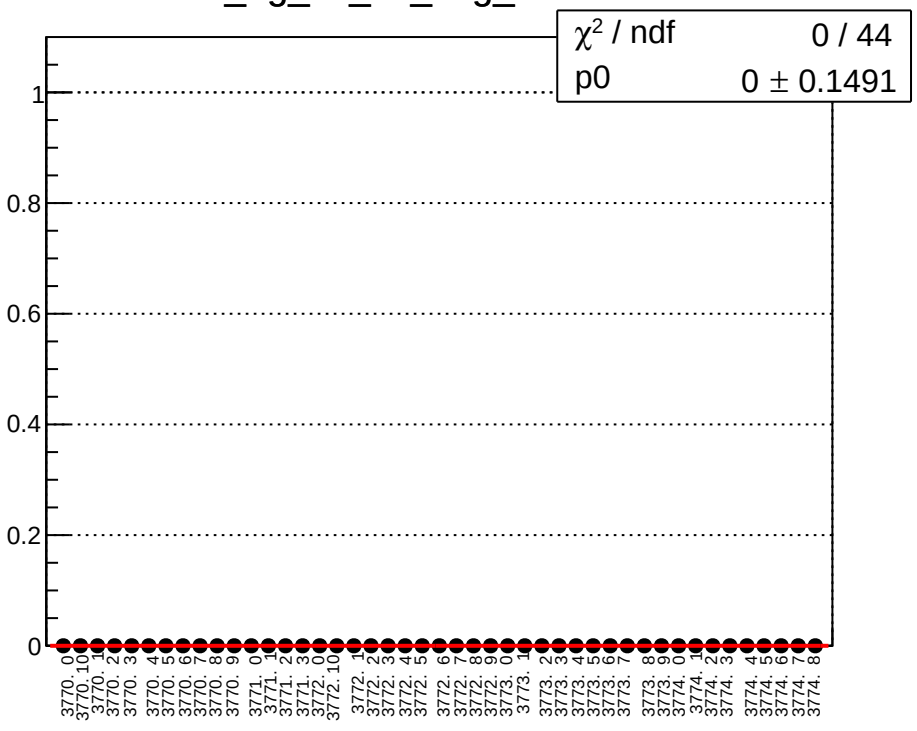
3774. 7
3774. 8


bcm_dg_us_ds_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
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3774. 5
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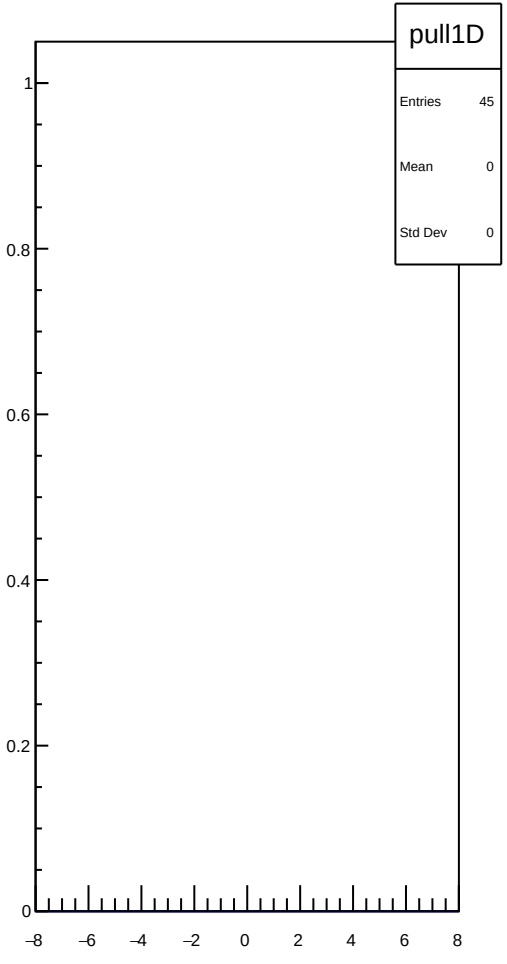
3774. 7
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
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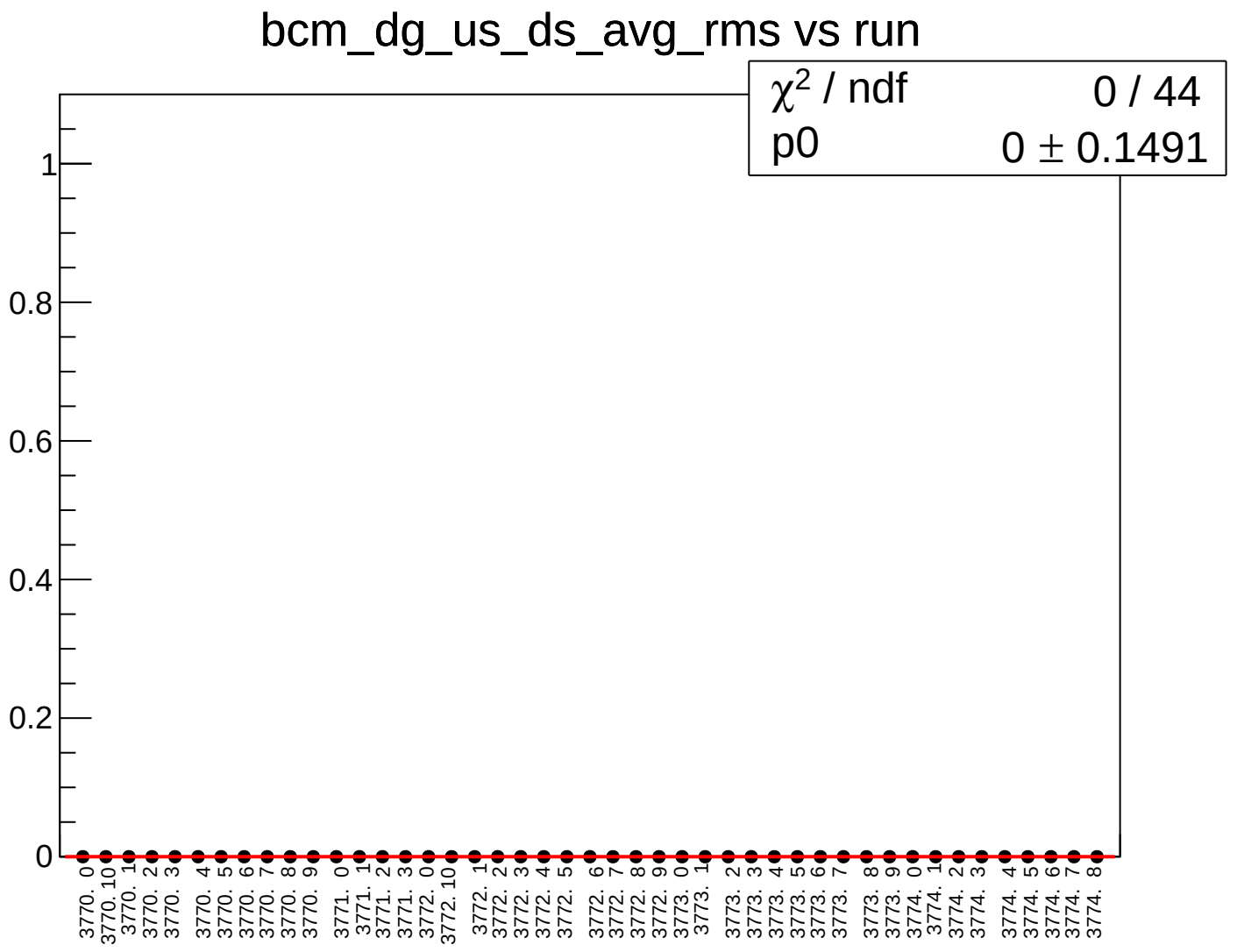
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_dg_us_ds_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
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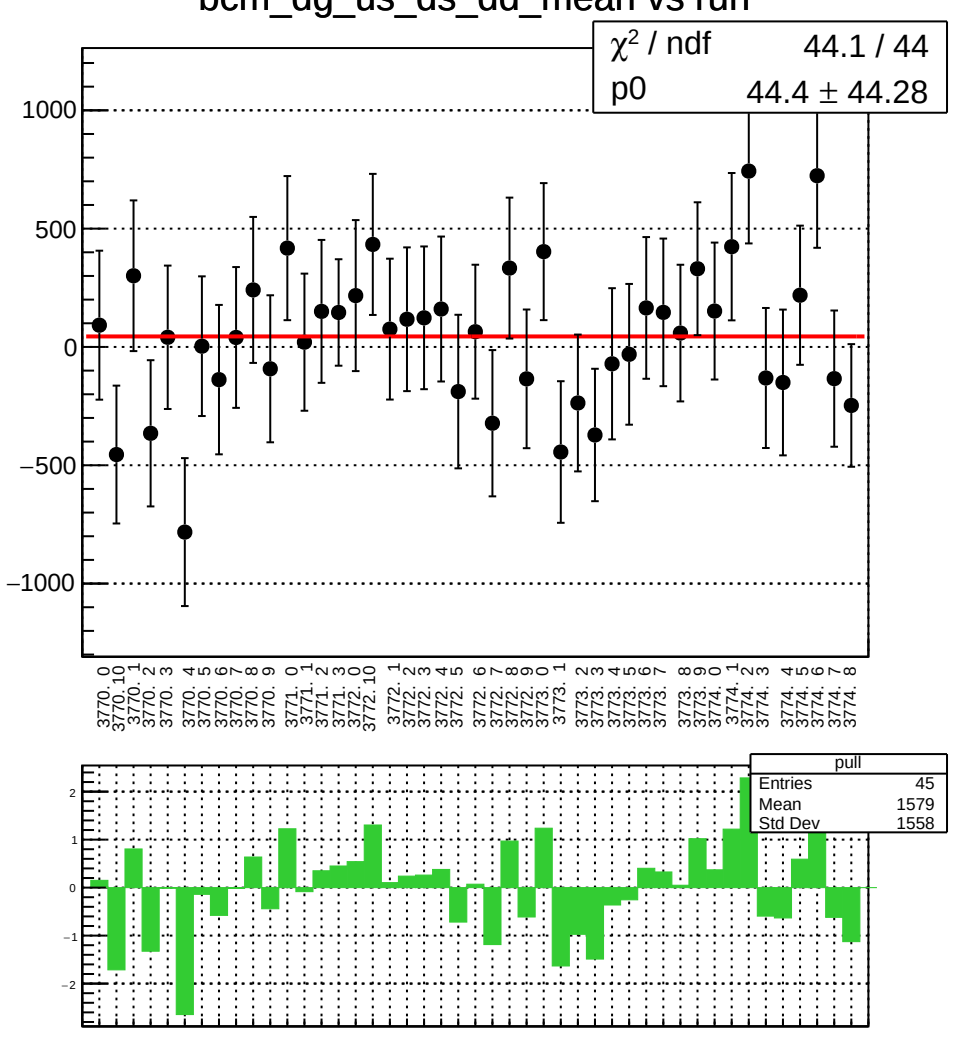
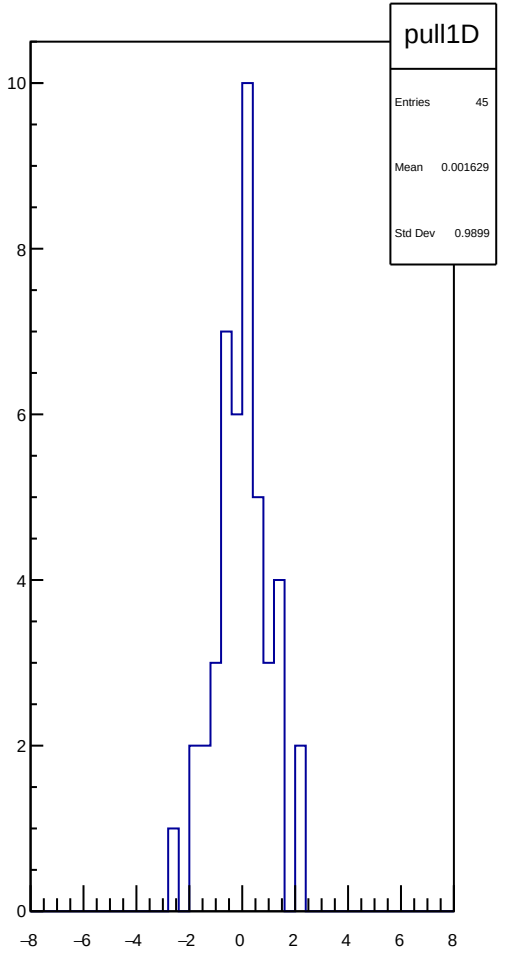
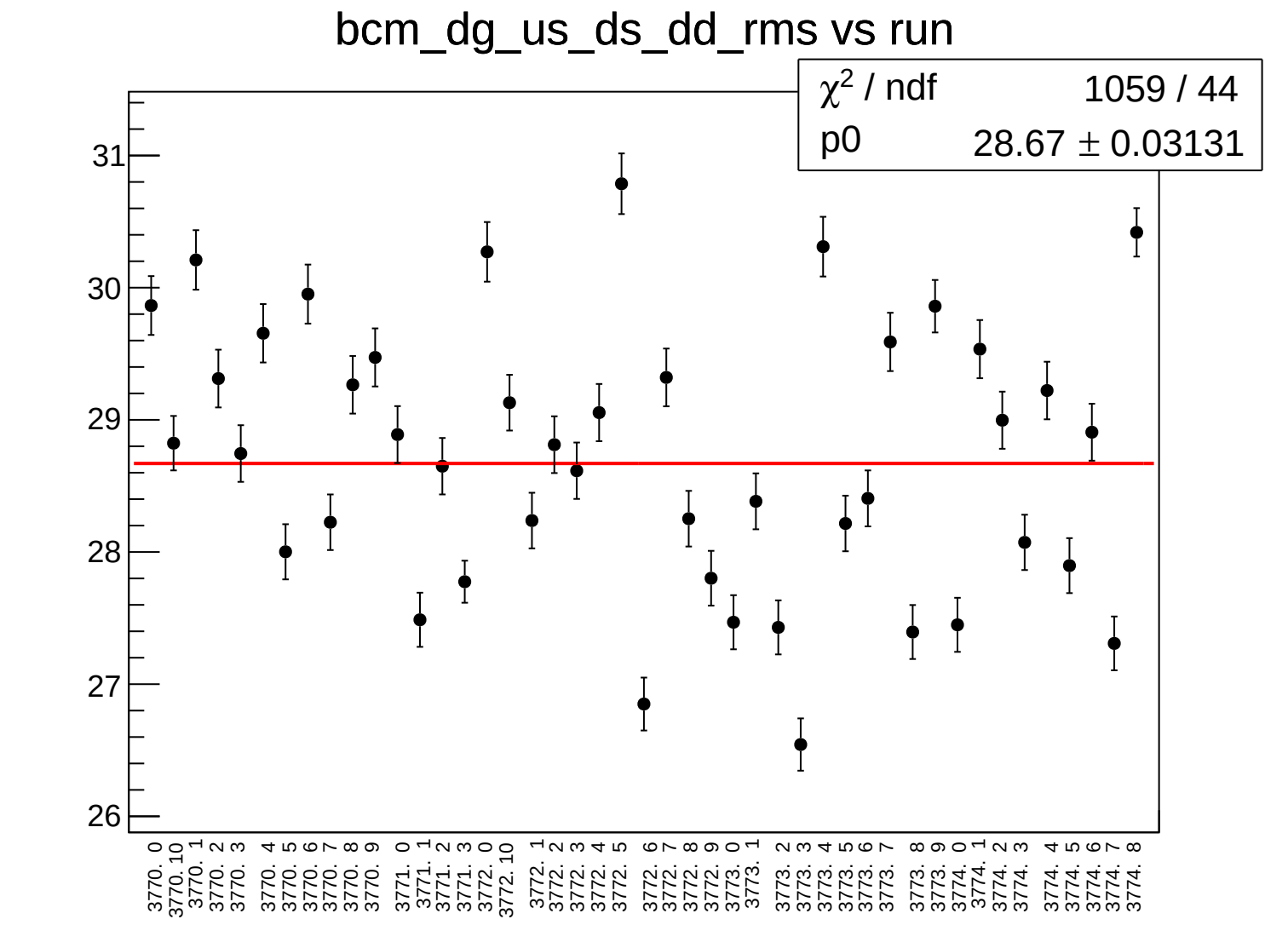
3774. 8


bcm_dg_us_ds_dd_mean vs run
χ² / ndf 44.1 / 44
p0 44.4 ± 44.28
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1579
Std Dev 1558
2
1
0
−1
−2


pull1D
Entries 45
Mean 0.001629
Std Dev 0.9899
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1059 / 44
p0 28.67 ± 0.03131
31
30
29
28
27
26
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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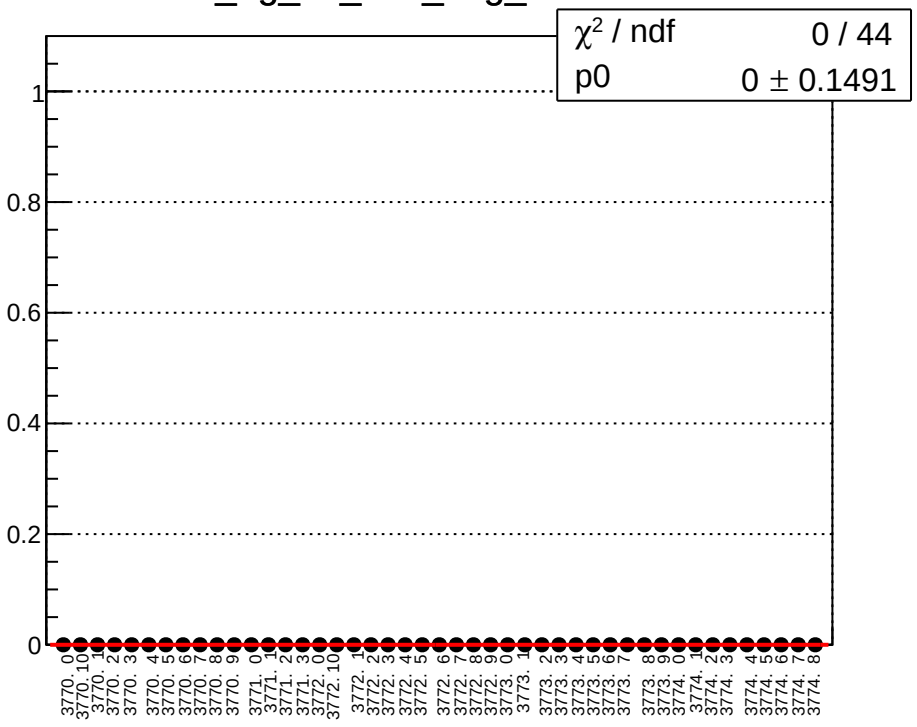
3774. 7
3774. 8


bcm_dg_us_ds3_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
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3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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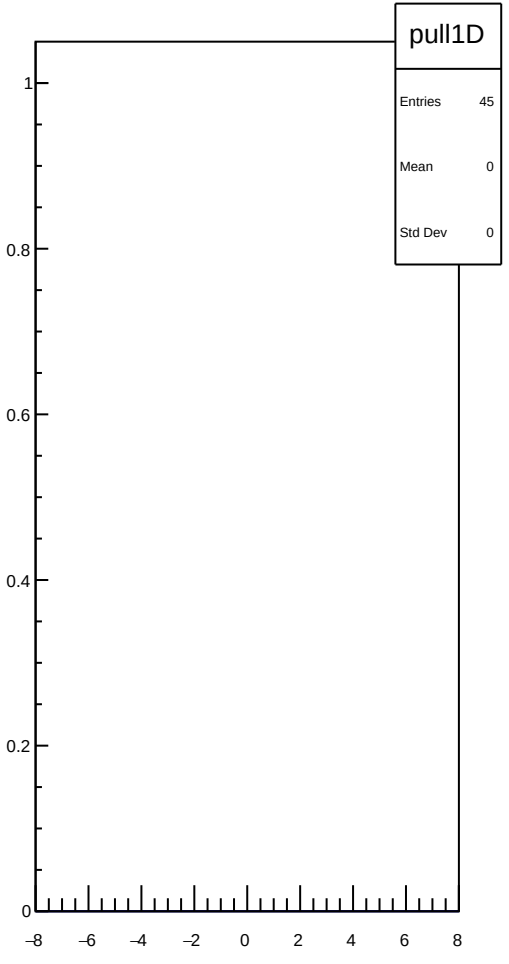
3774. 7
3774. 8


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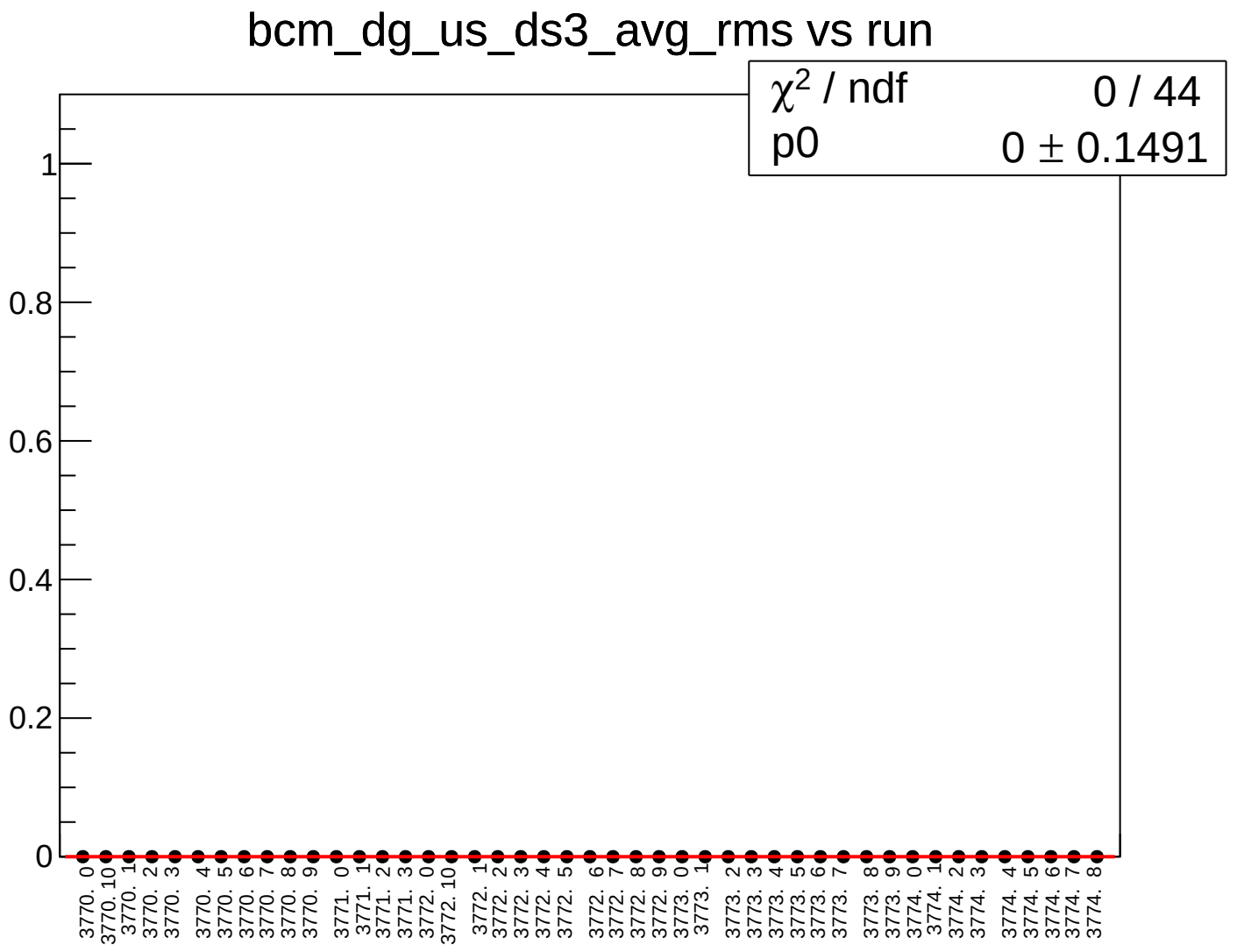
0
2
4
6
8


bcm_dg_us_ds3_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
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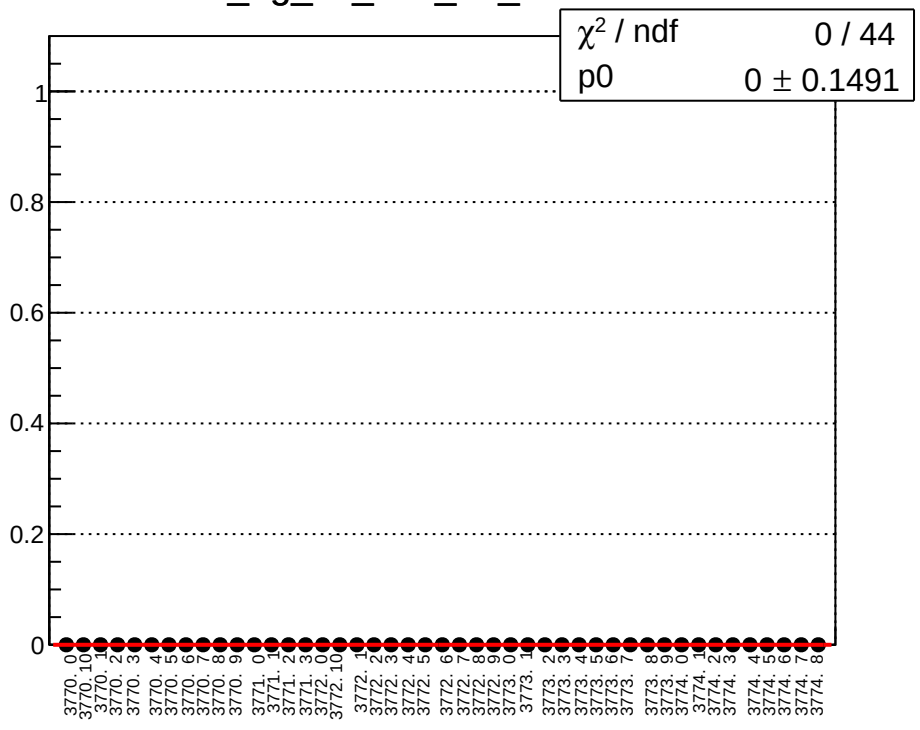
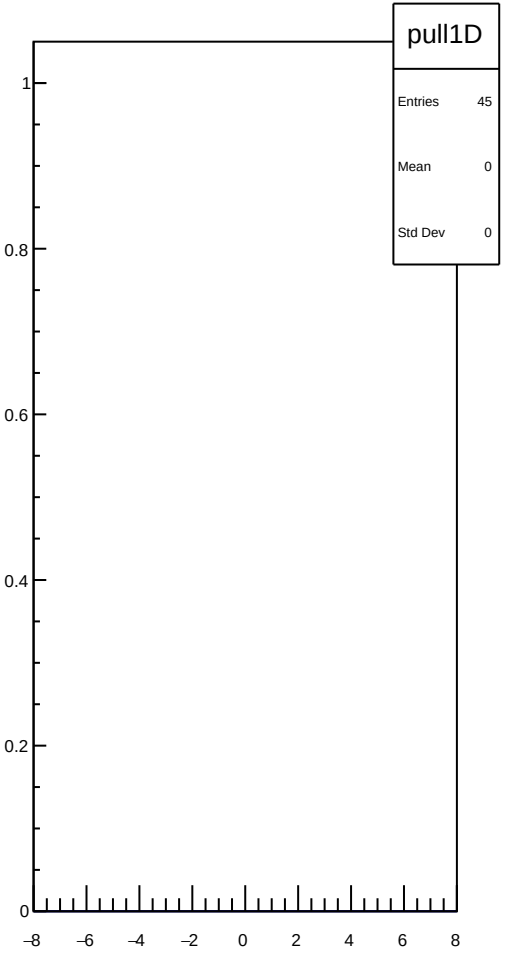
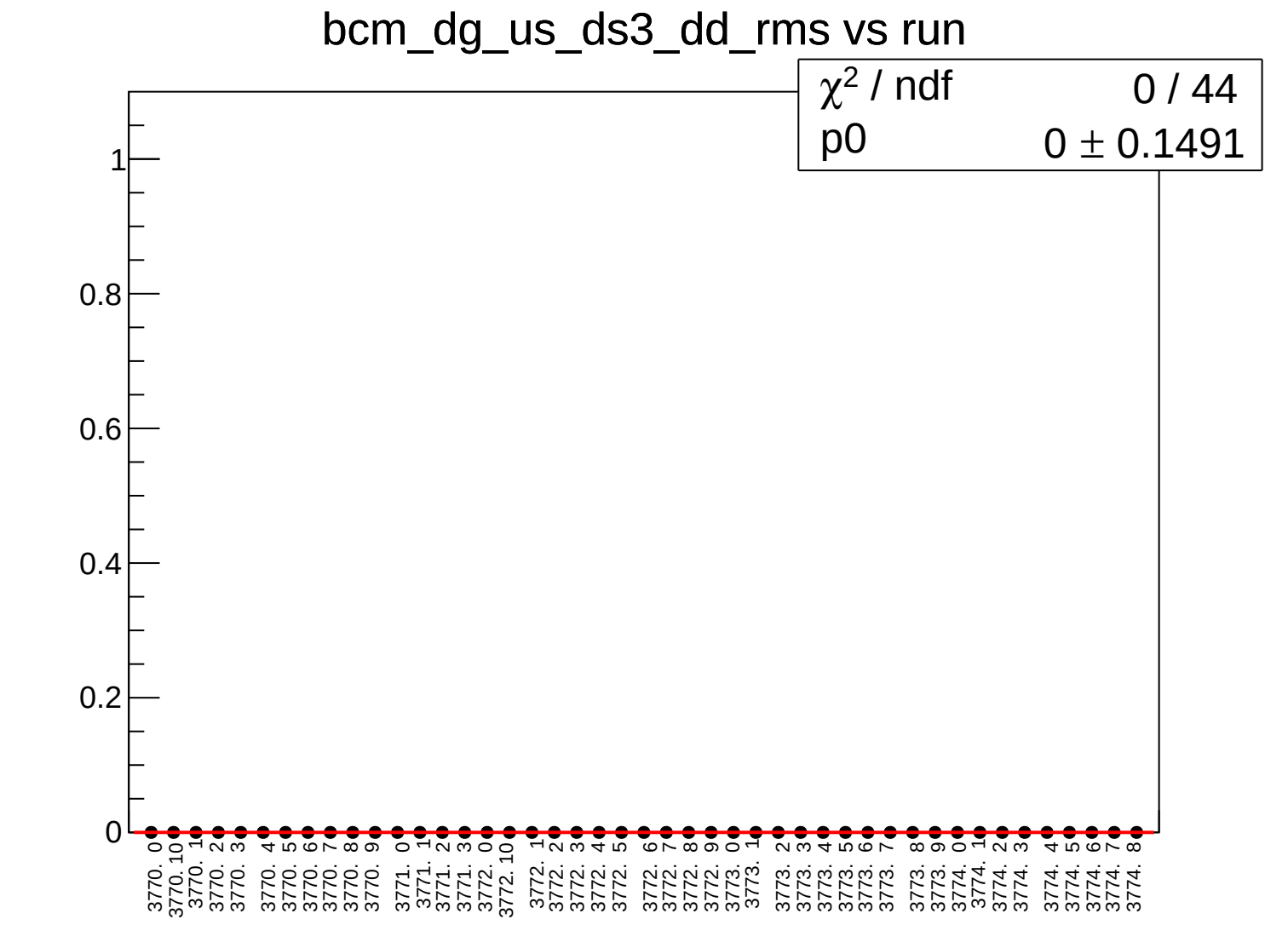
3774. 8


bcm_dg_us_ds3_dd_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_dg_us_ds3_dd_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
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3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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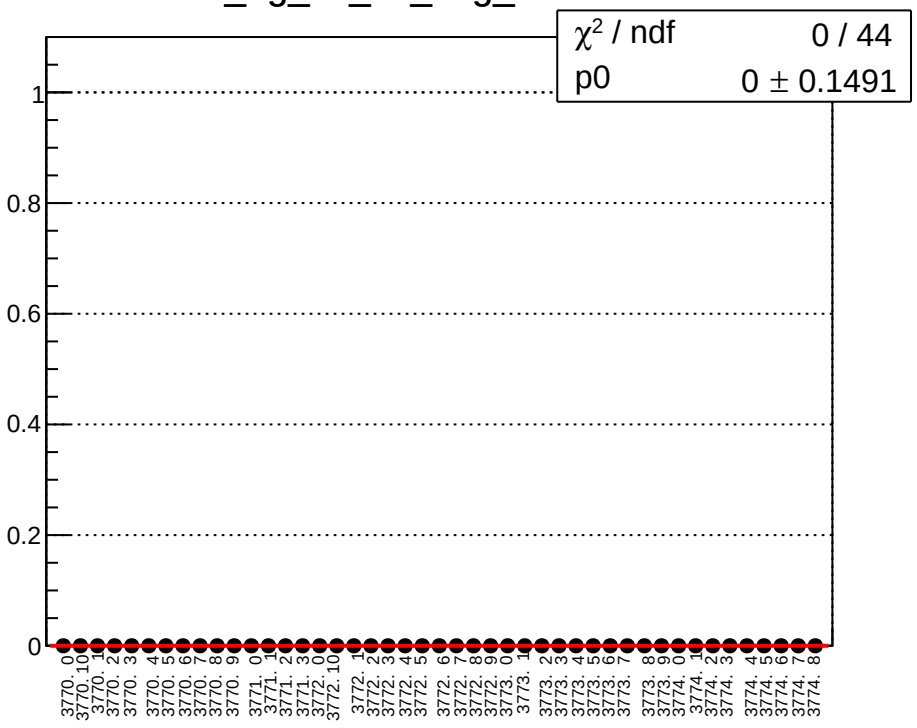
3774. 7
3774. 8


bcm_dg_ds_ds_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
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3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
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3773. 5
3773. 6
3773. 7
3773. 8
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3774. 0
3774. 1
3774. 2
3774. 3
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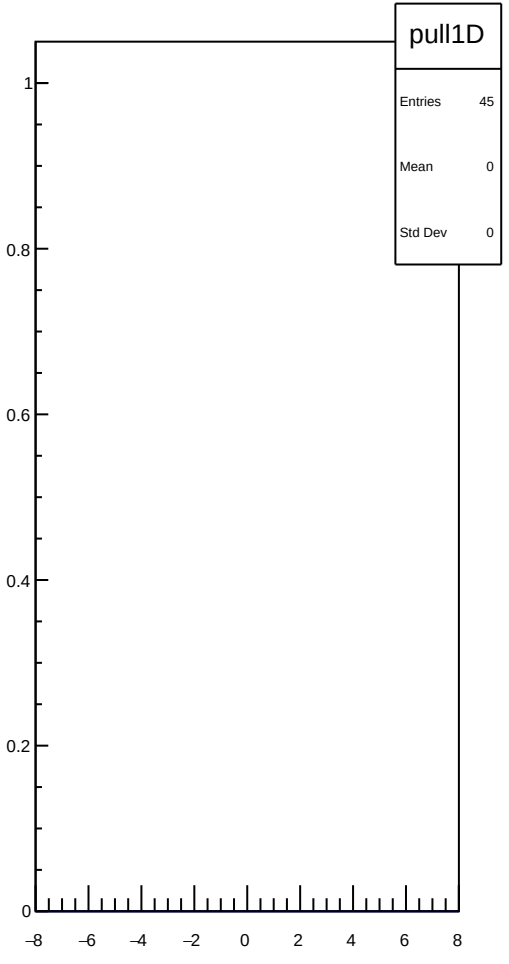
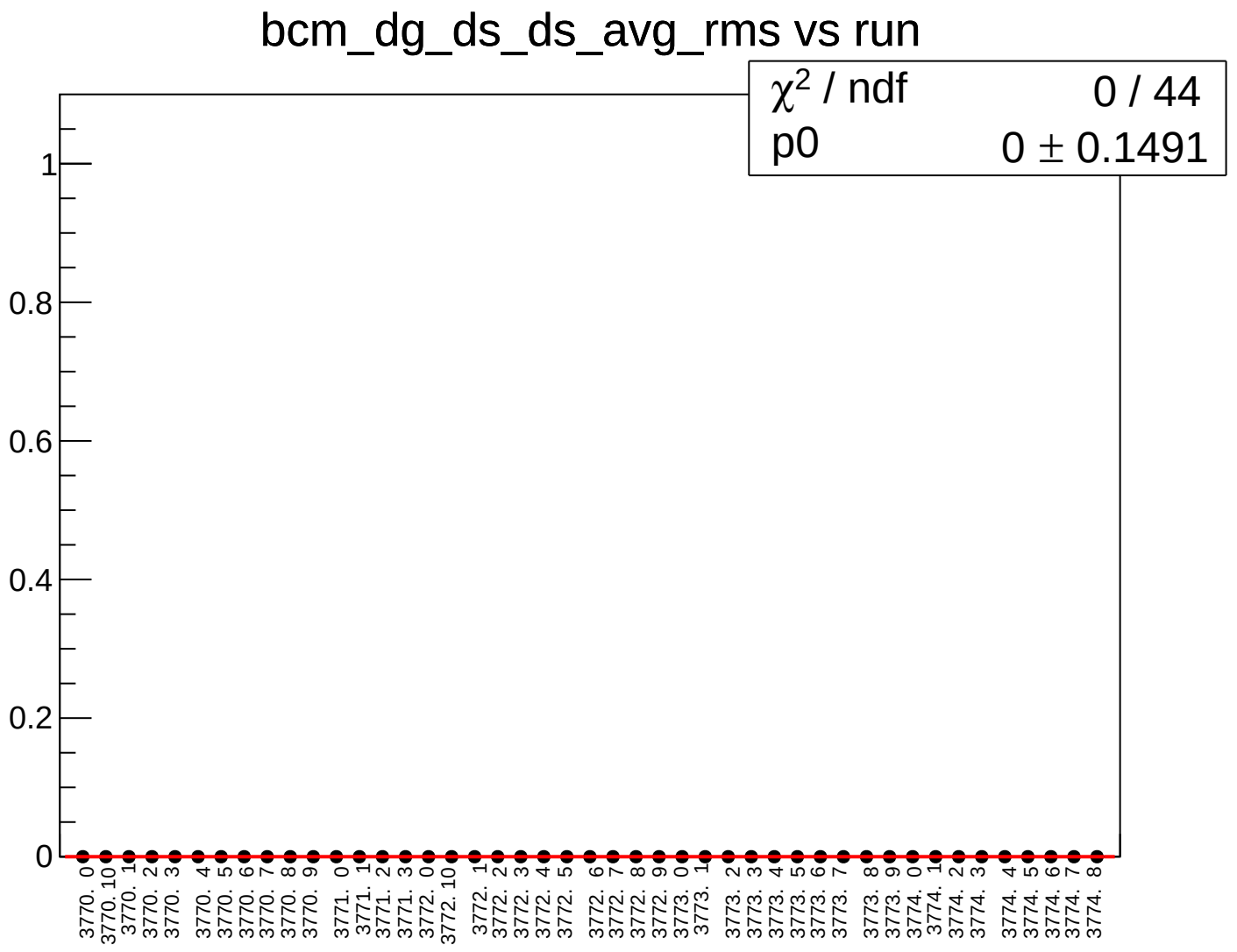
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_dg_ds_ds_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
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3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
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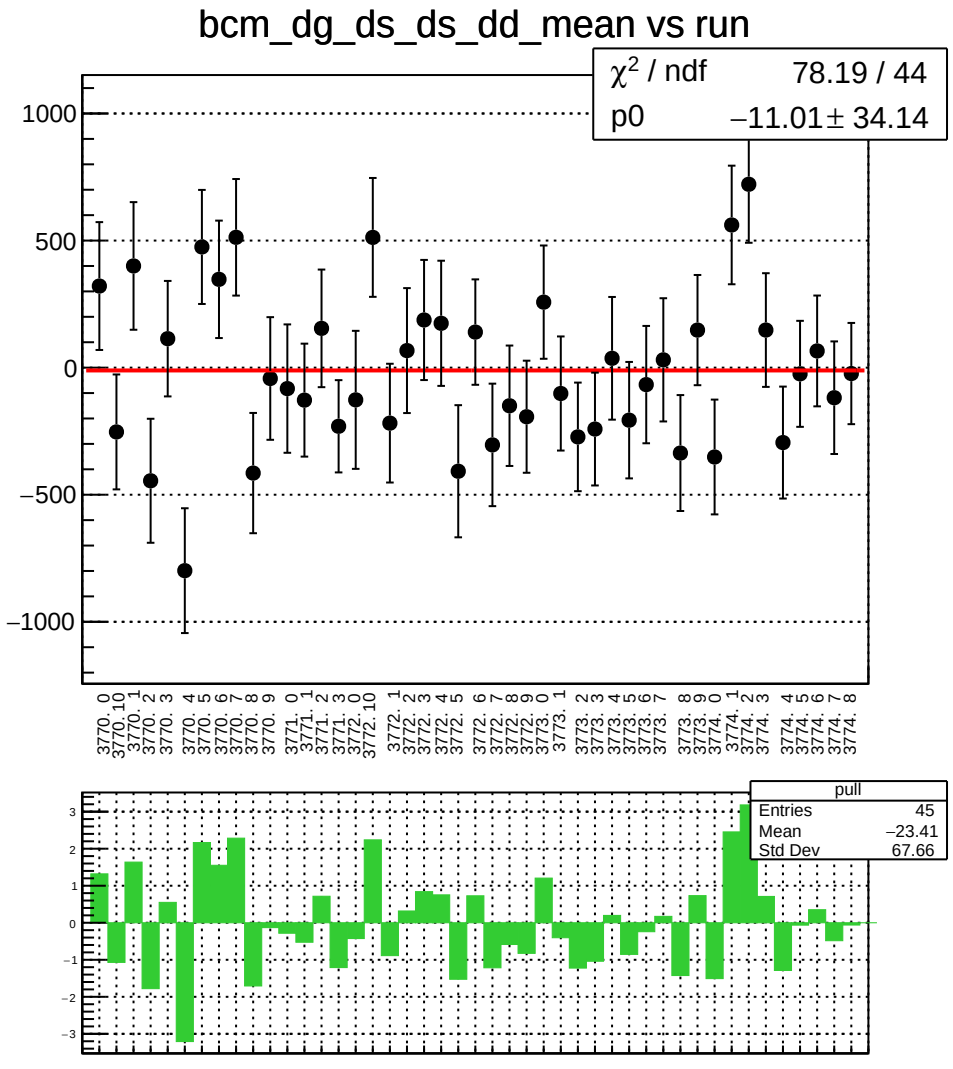
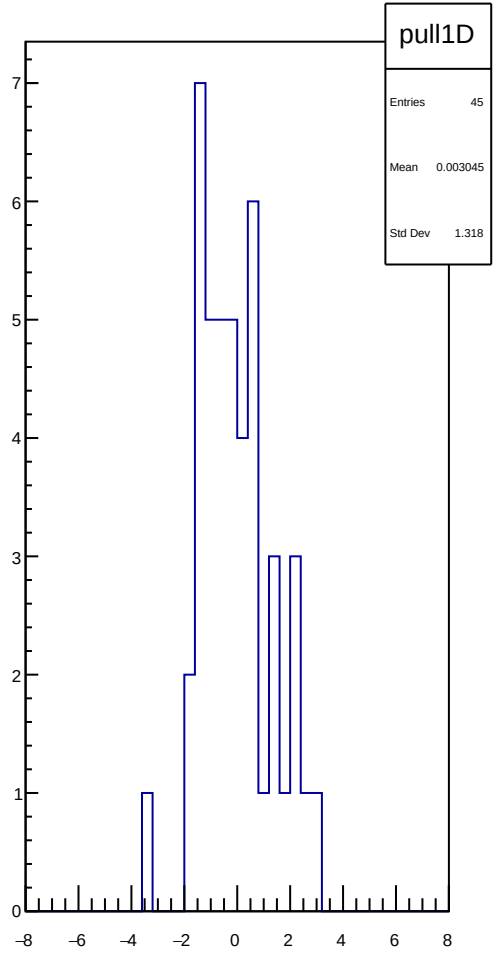
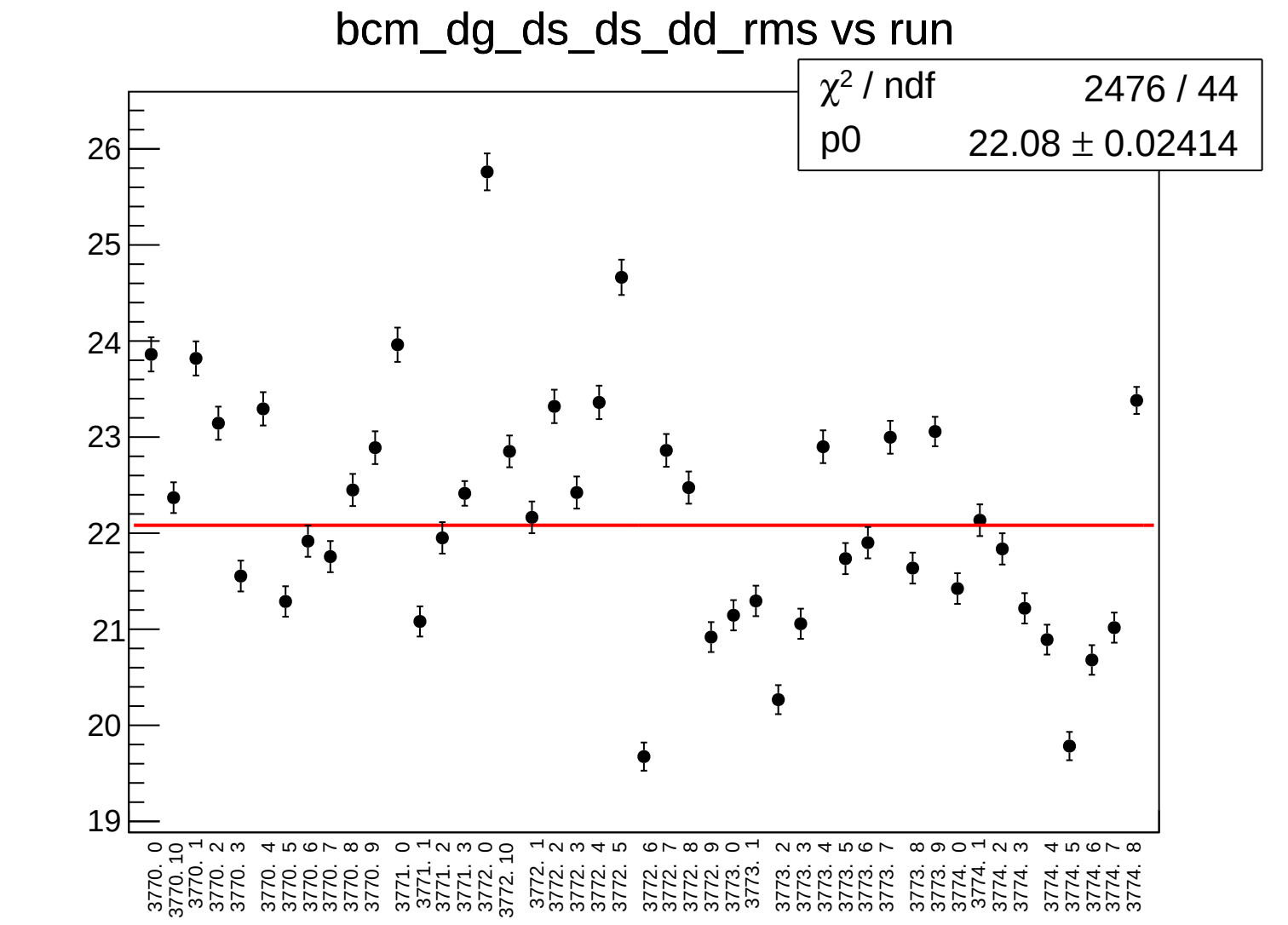
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 78.19 / 44
p0 −11.01± 34.14
1000
500
0
−500
−1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −23.41
Std Dev 67.66
3
2
1
0
−1
−2
−3


pull1D
Entries 45
Mean 0.003045
Std Dev 1.318
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 2476 / 44
p0 22.08 ± 0.02414
26
25
24
23
22
21
20
19
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
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3773. 8
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3774. 1
3774. 2
3774. 3
3774. 4
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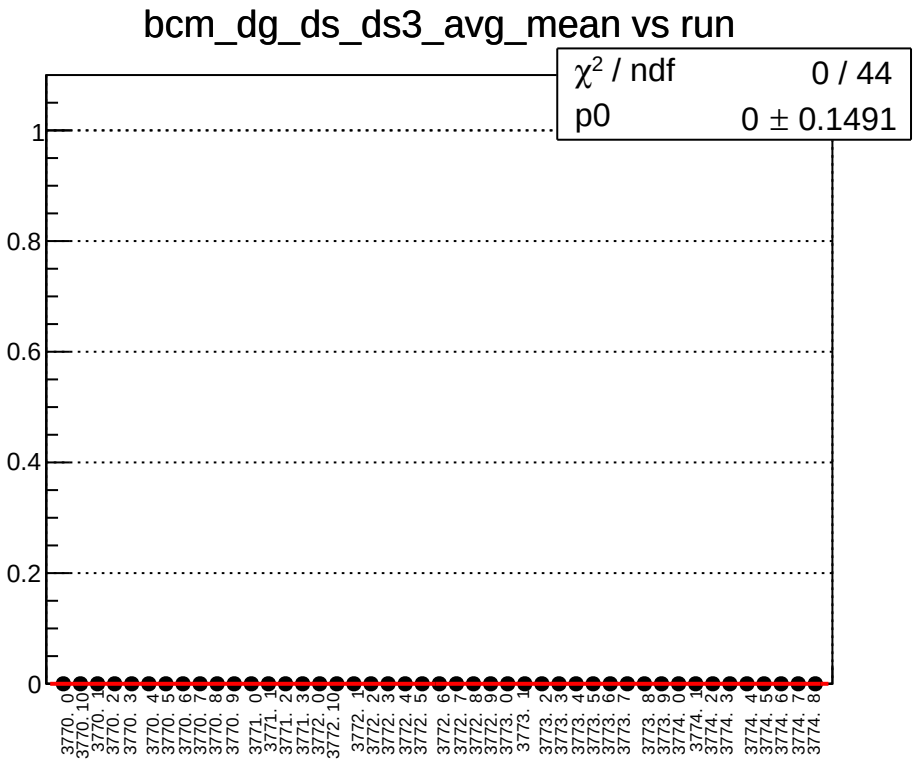
3774. 8


bcm_dg_ds_ds3_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
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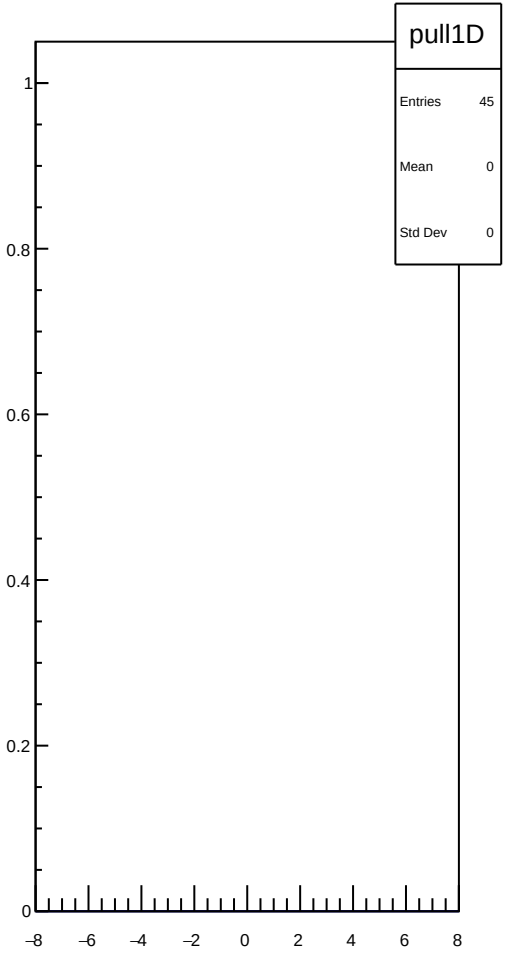
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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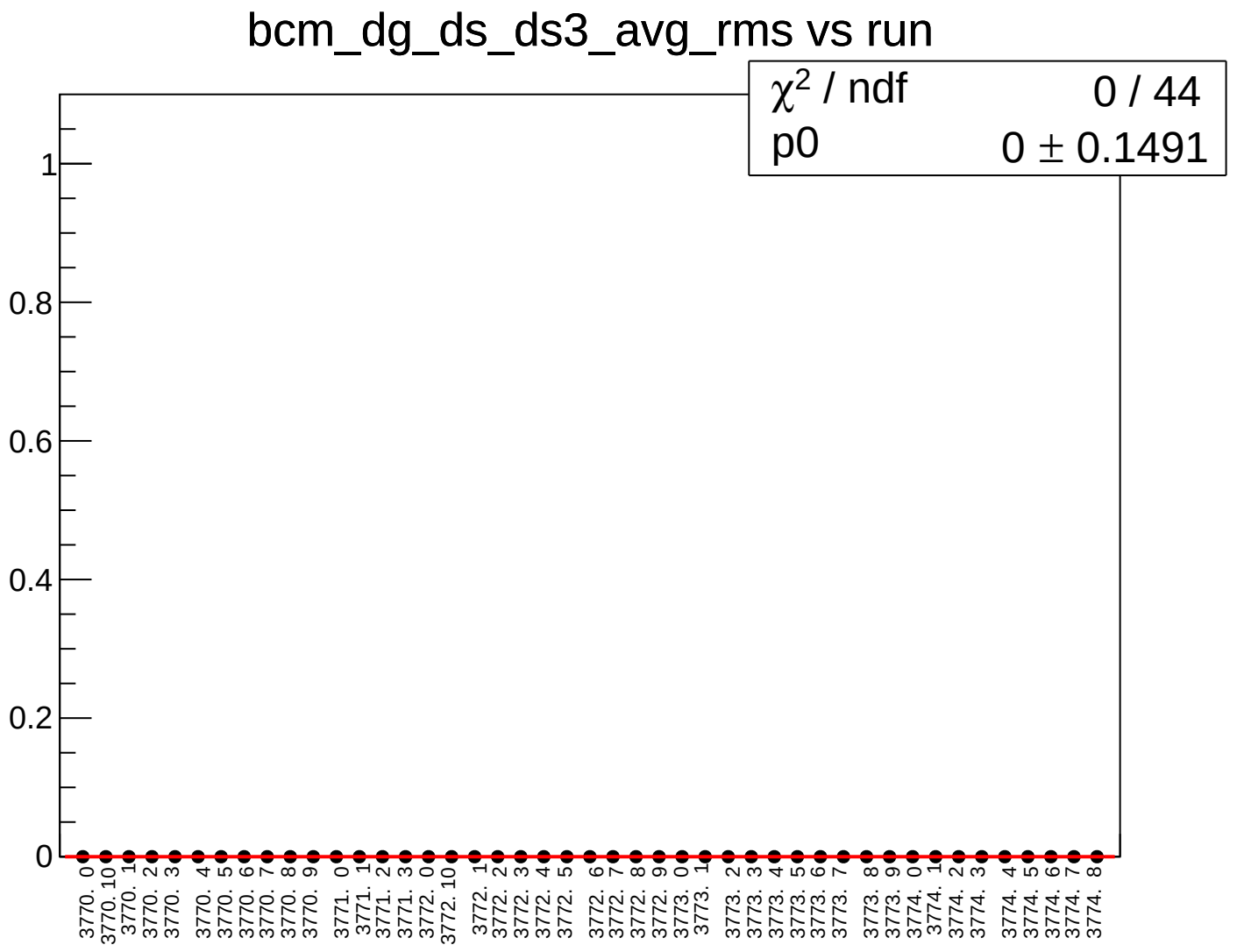
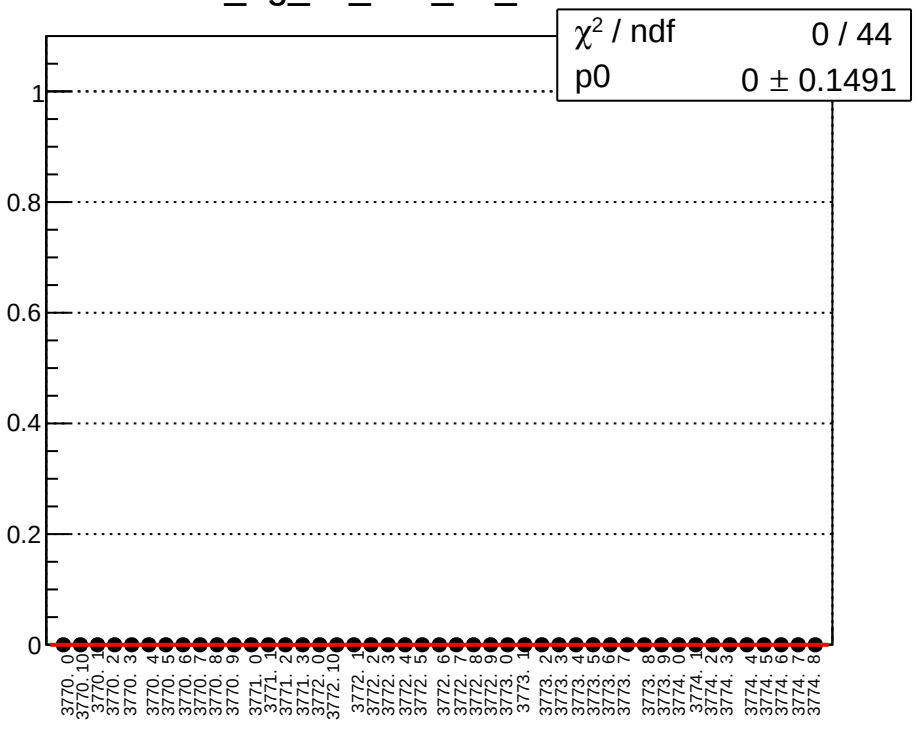
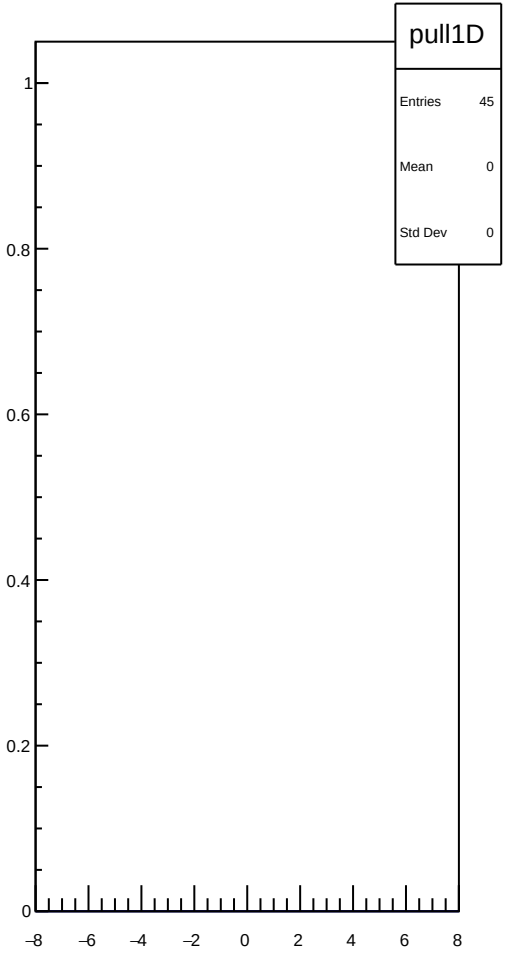
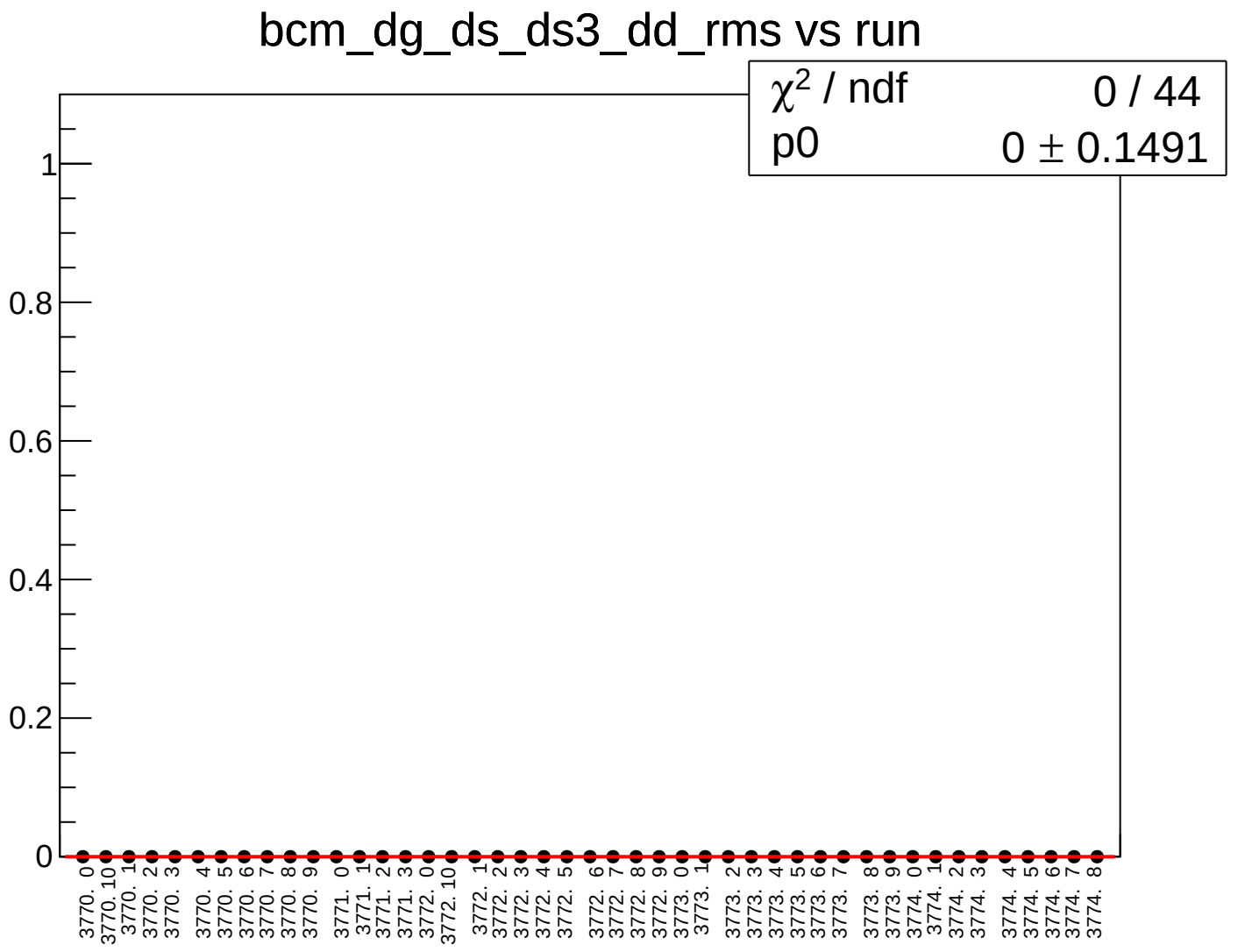
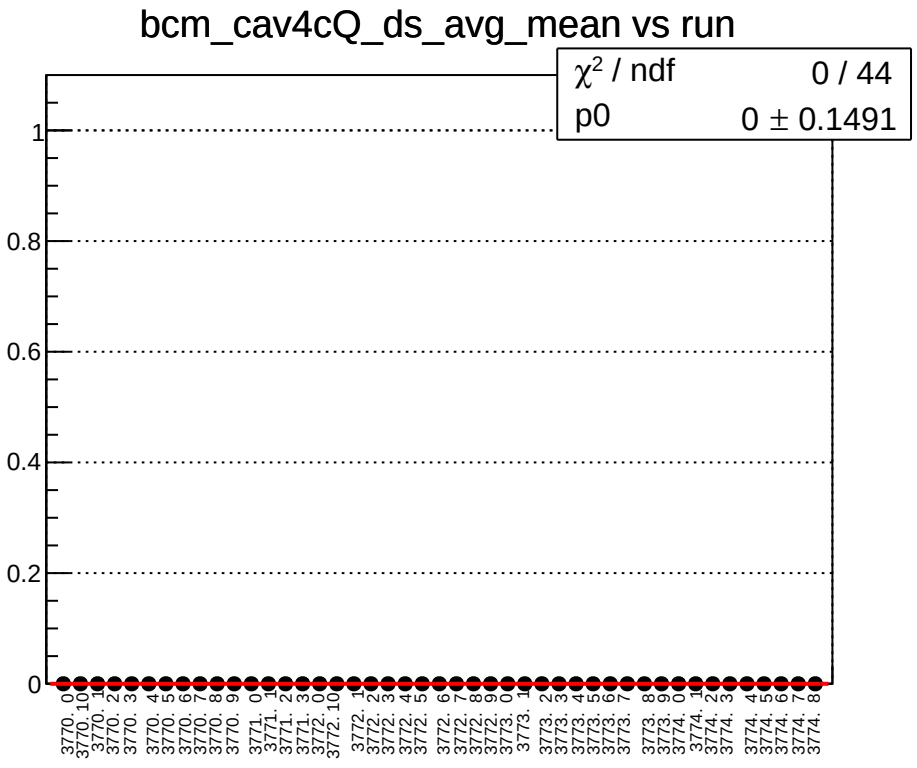
0
2
4
6
8

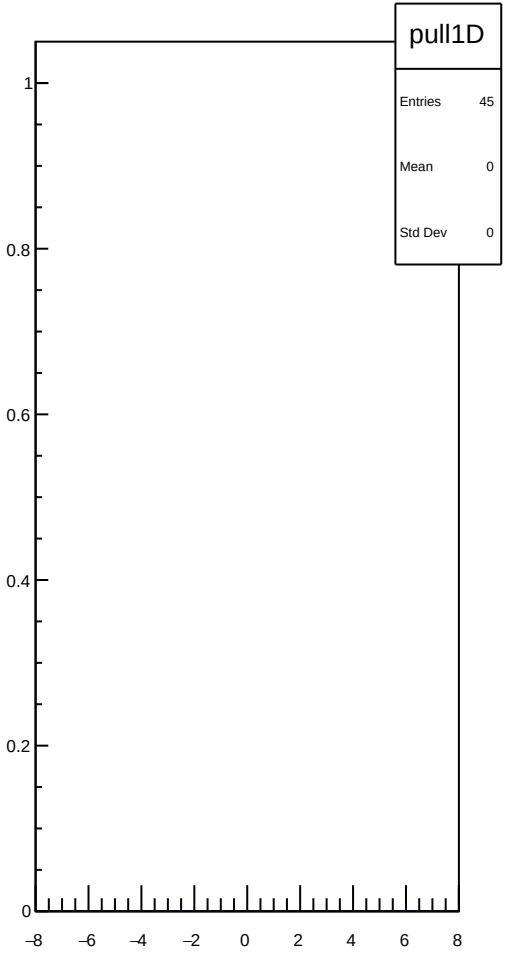

bcm_dg_ds_ds3_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

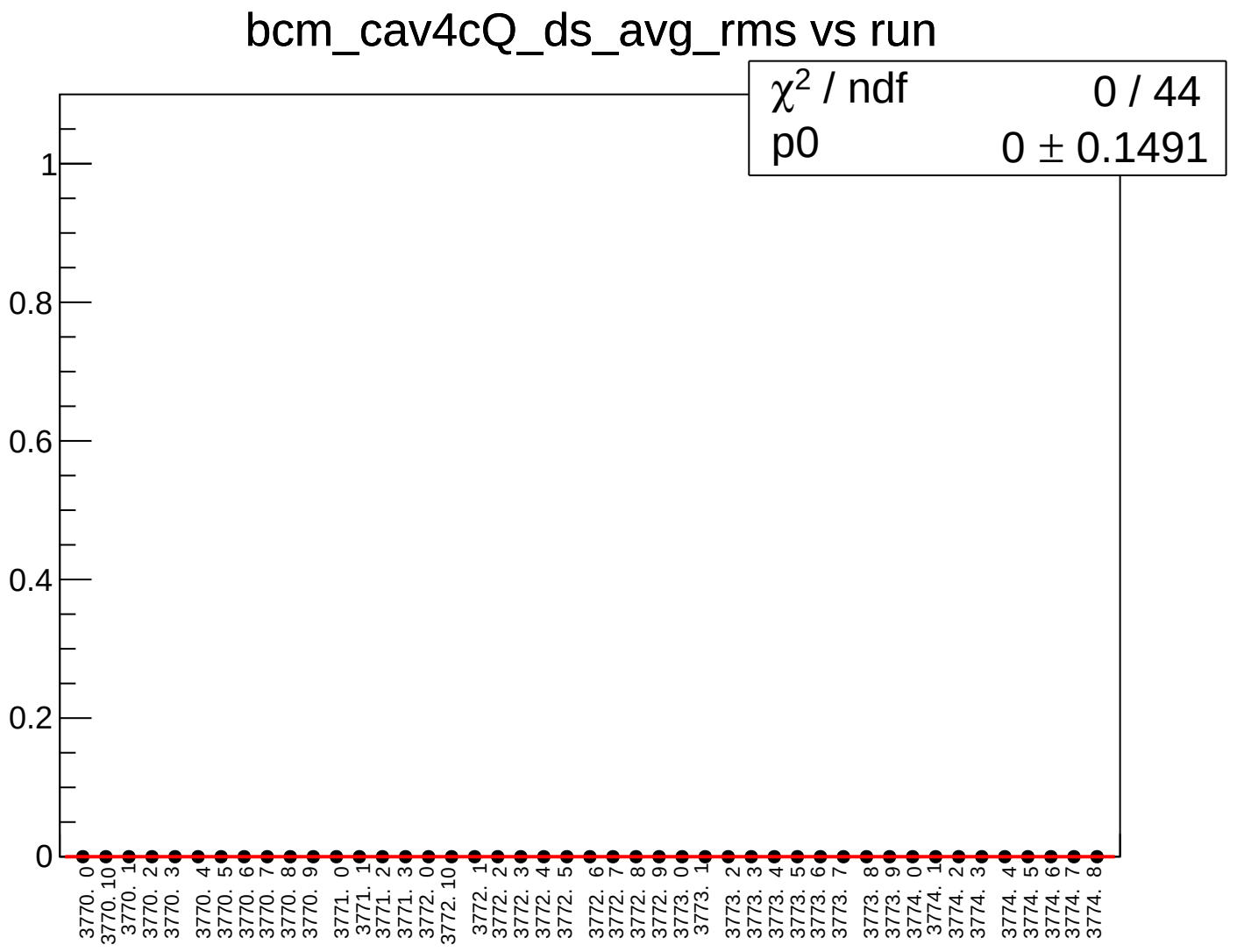

bcm_dg_ds_ds3_dd_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

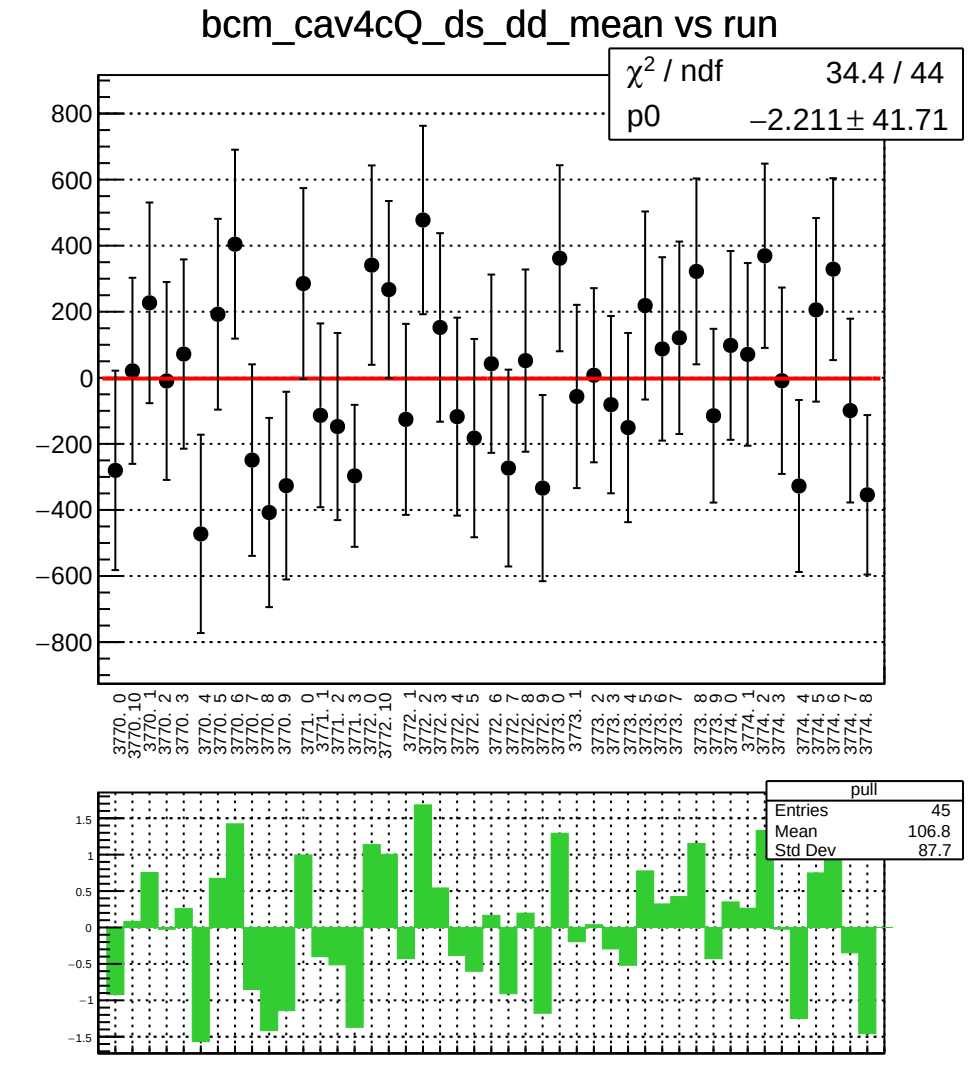

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

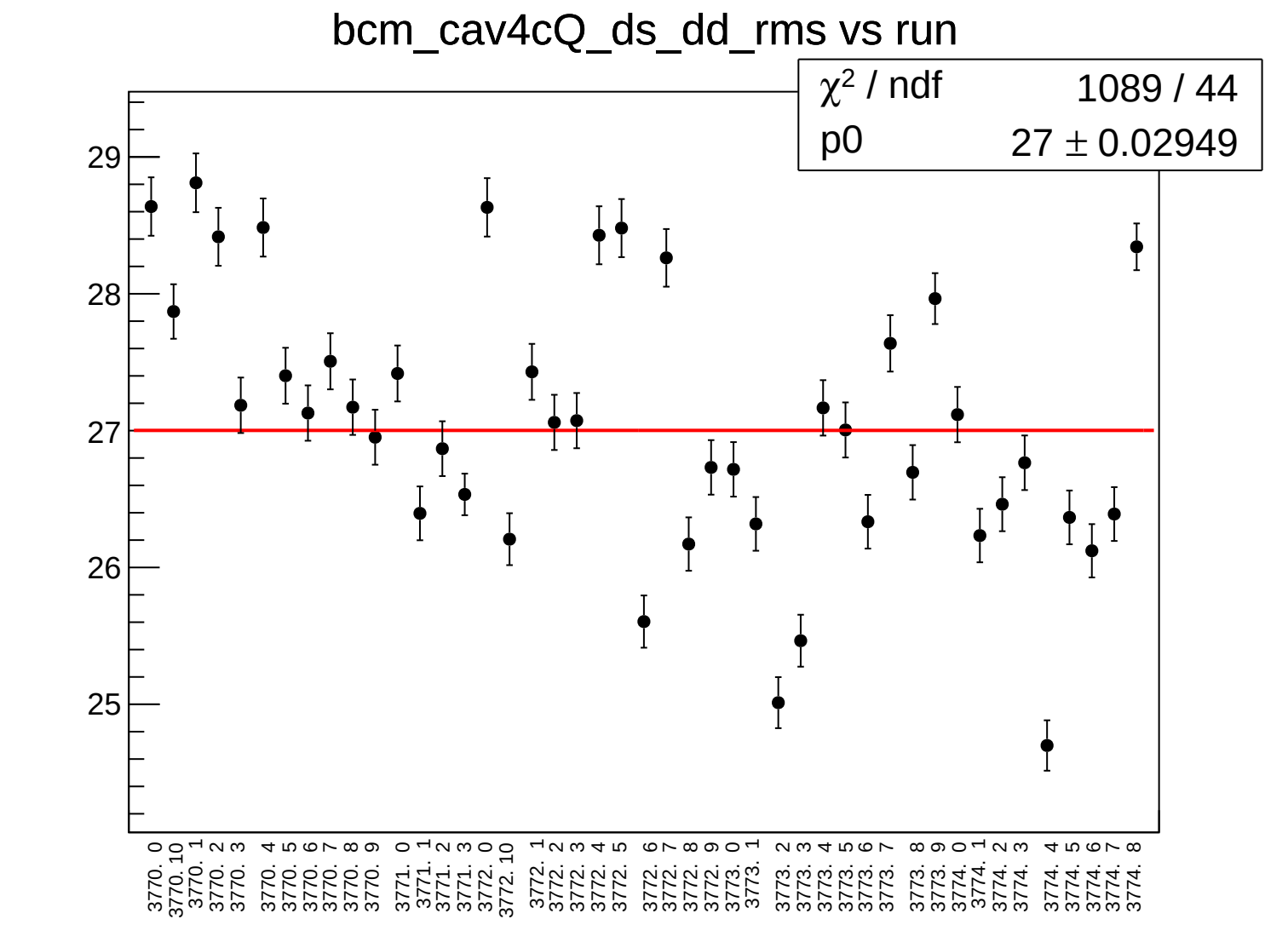

bcm_dg_ds_ds3_dd_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

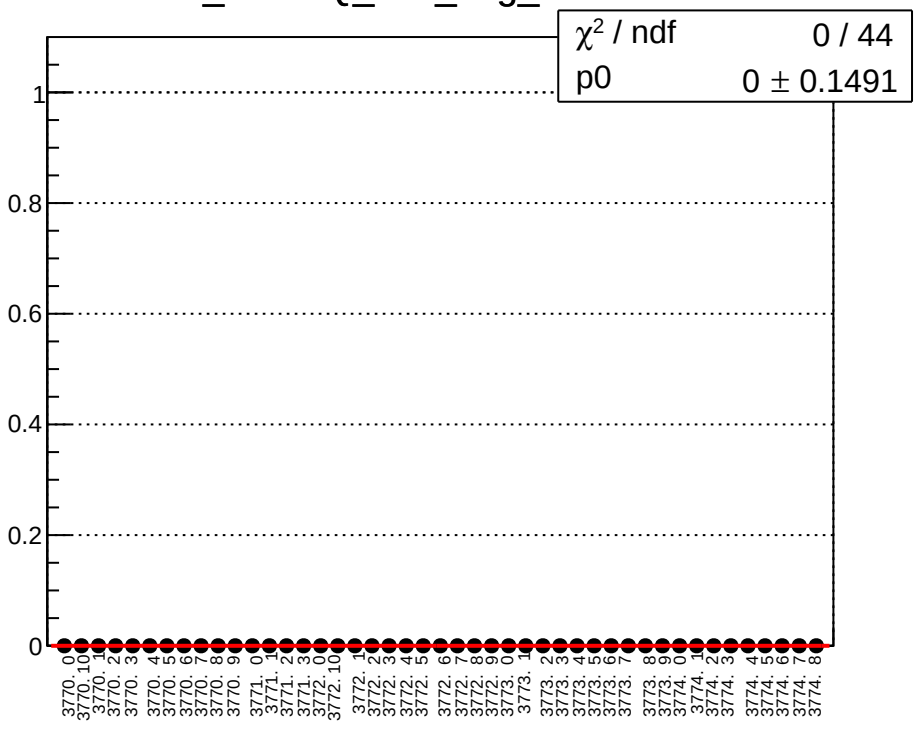

bcm_cav4cQ_ds_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_cav4cQ_ds_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


bcm_cav4cQ_ds_dd_mean vs run
χ² / ndf 34.4 / 44
p0 −2.211 ± 41.71
800
600
400
200
0
−200
−400
−600
−800
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 106.8
Std Dev 87.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean 0.01346
Std Dev 0.8742
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


bcm_cav4cQ_ds_dd_rms vs run
χ² / ndf 1089 / 44
p0 27 ± 0.02949
29
28
27
26
25
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


bcm_cav4cQ_ds3_avg_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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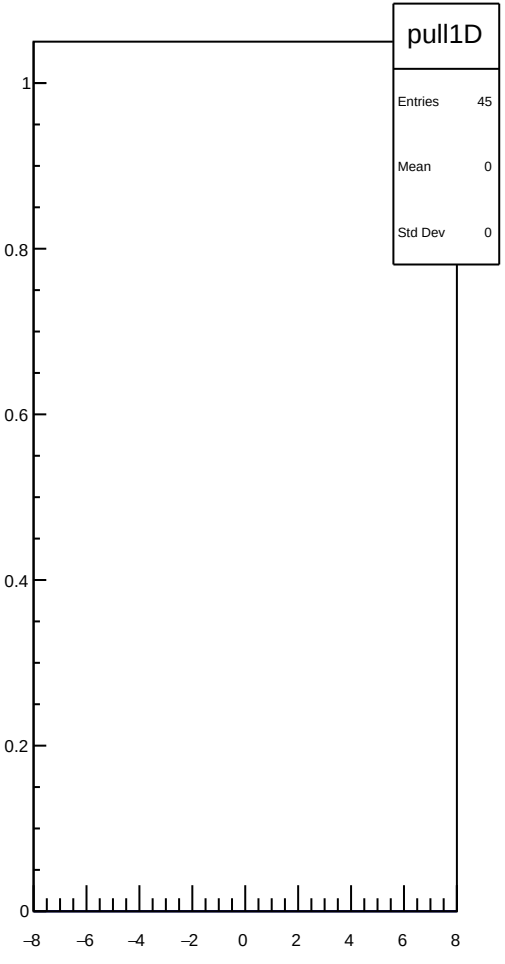
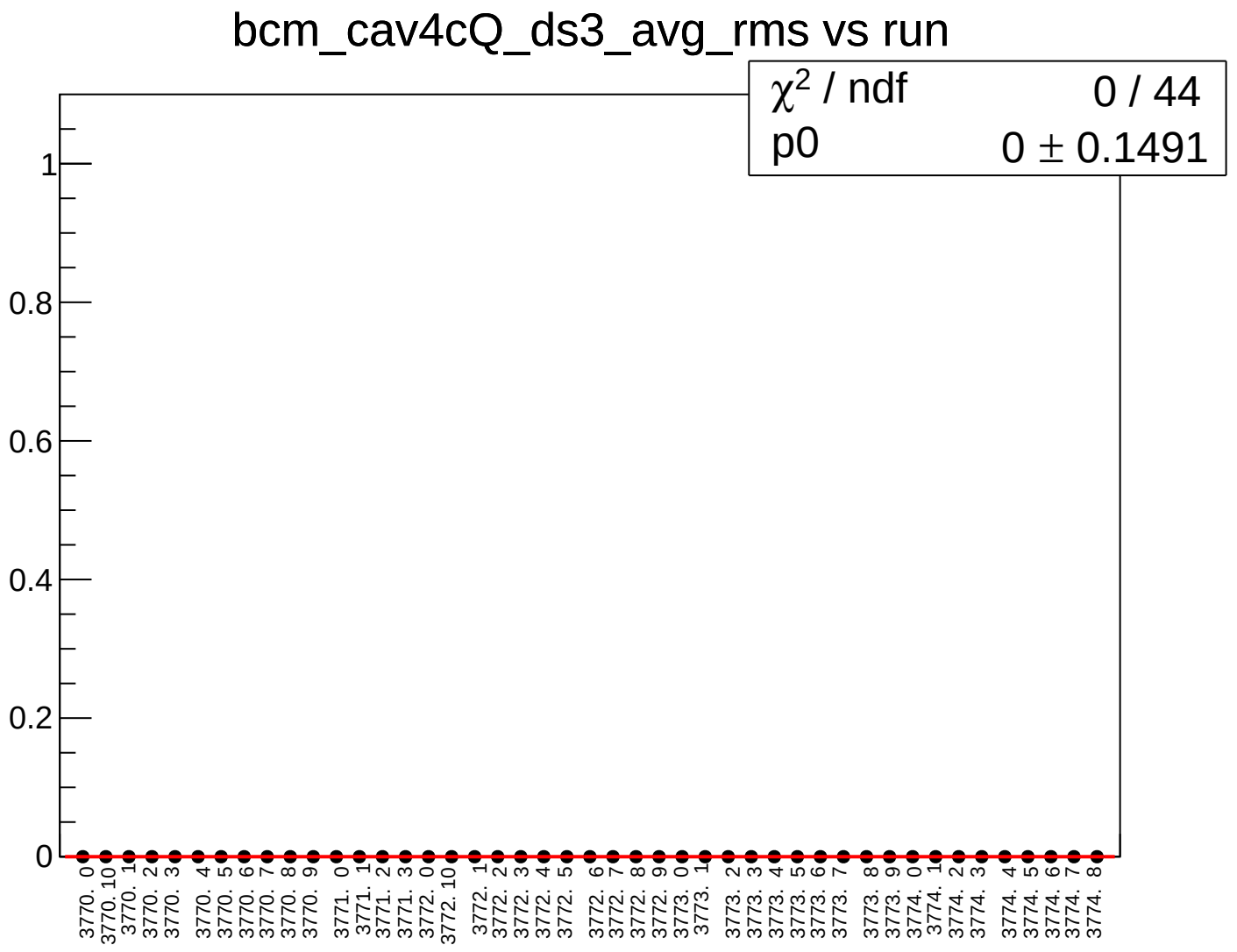
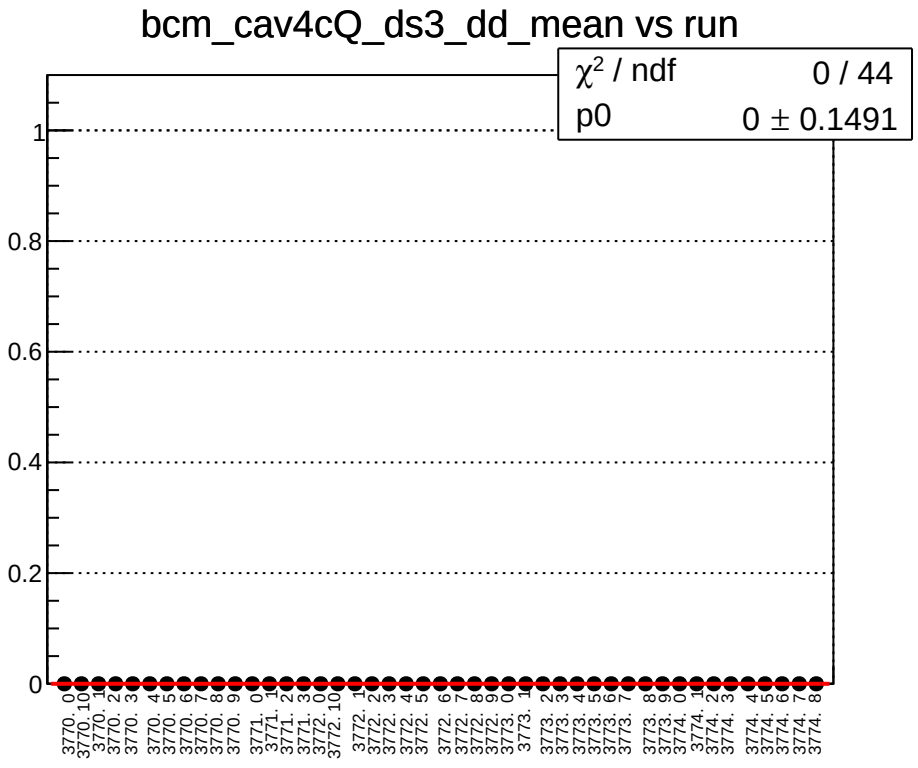
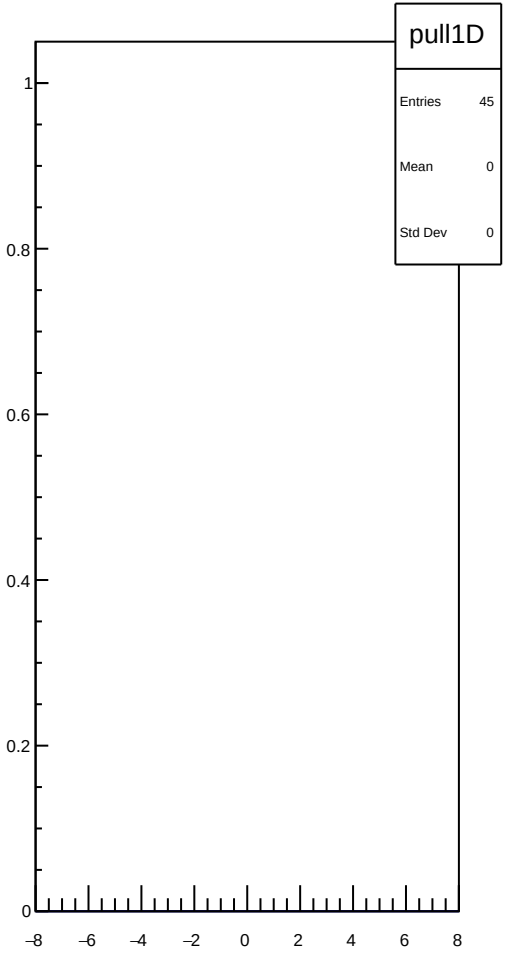
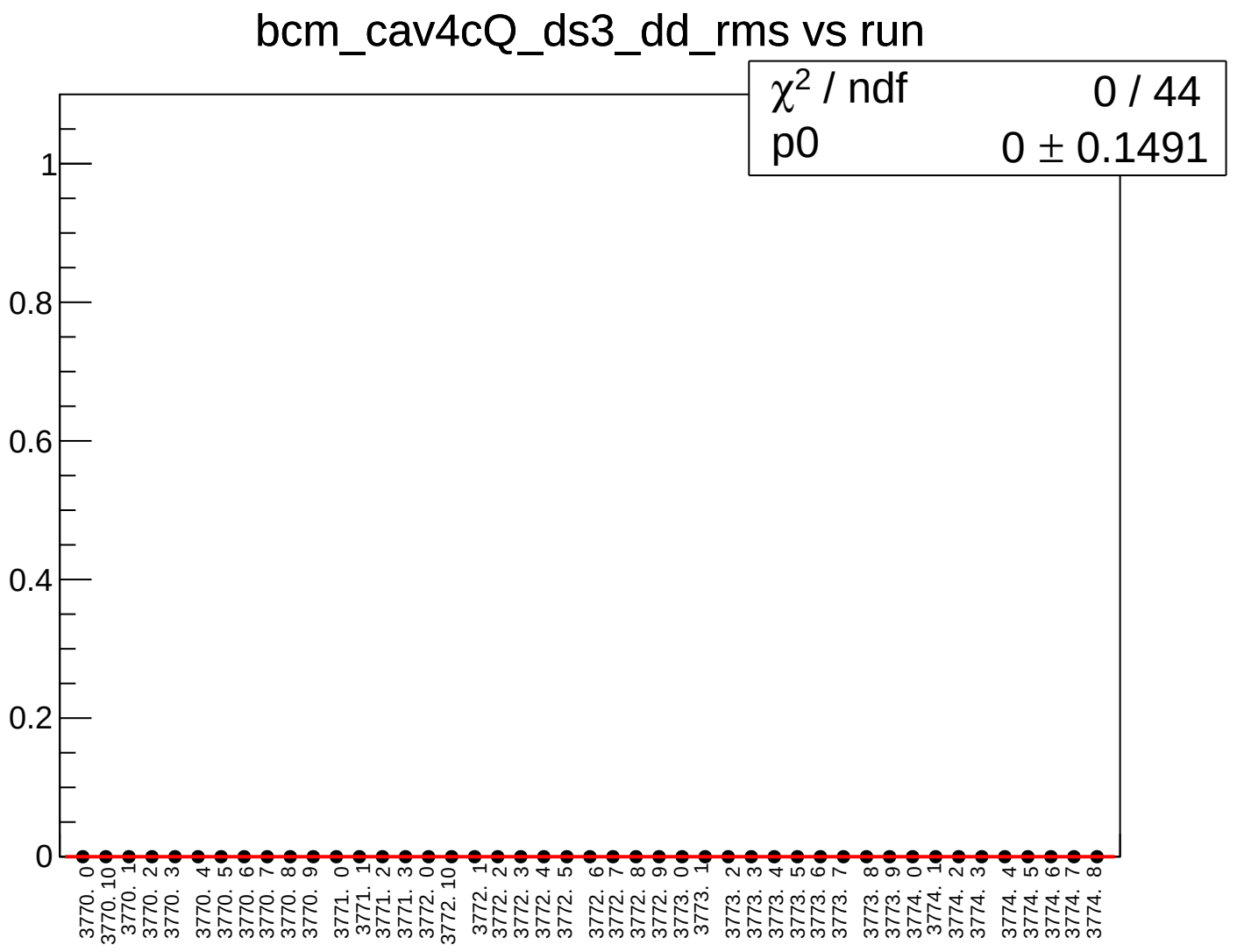
3774. 8

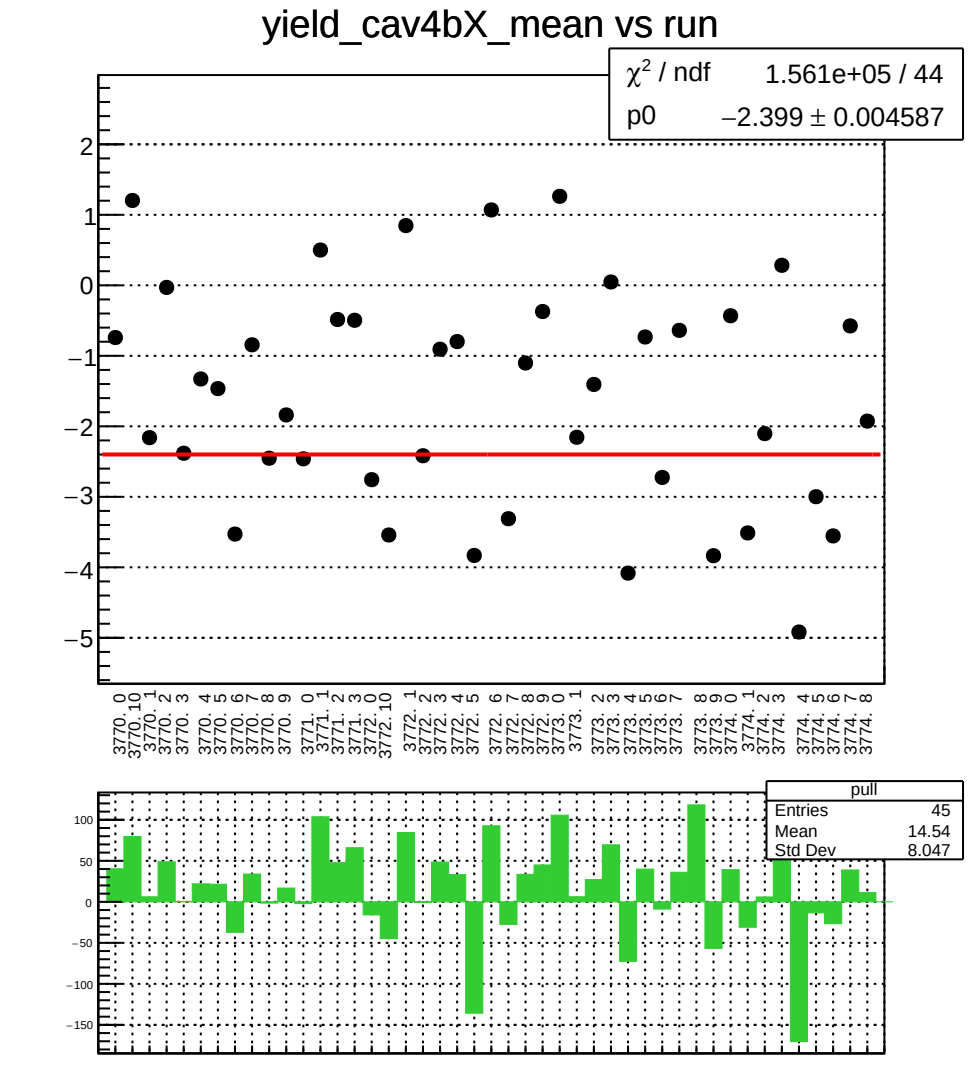

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

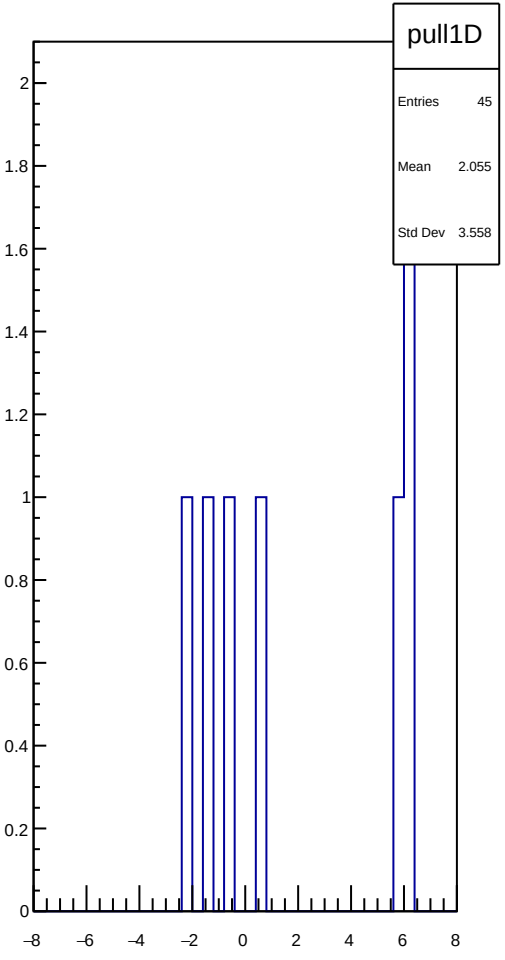

bcm_cav4cQ_ds3_avg_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

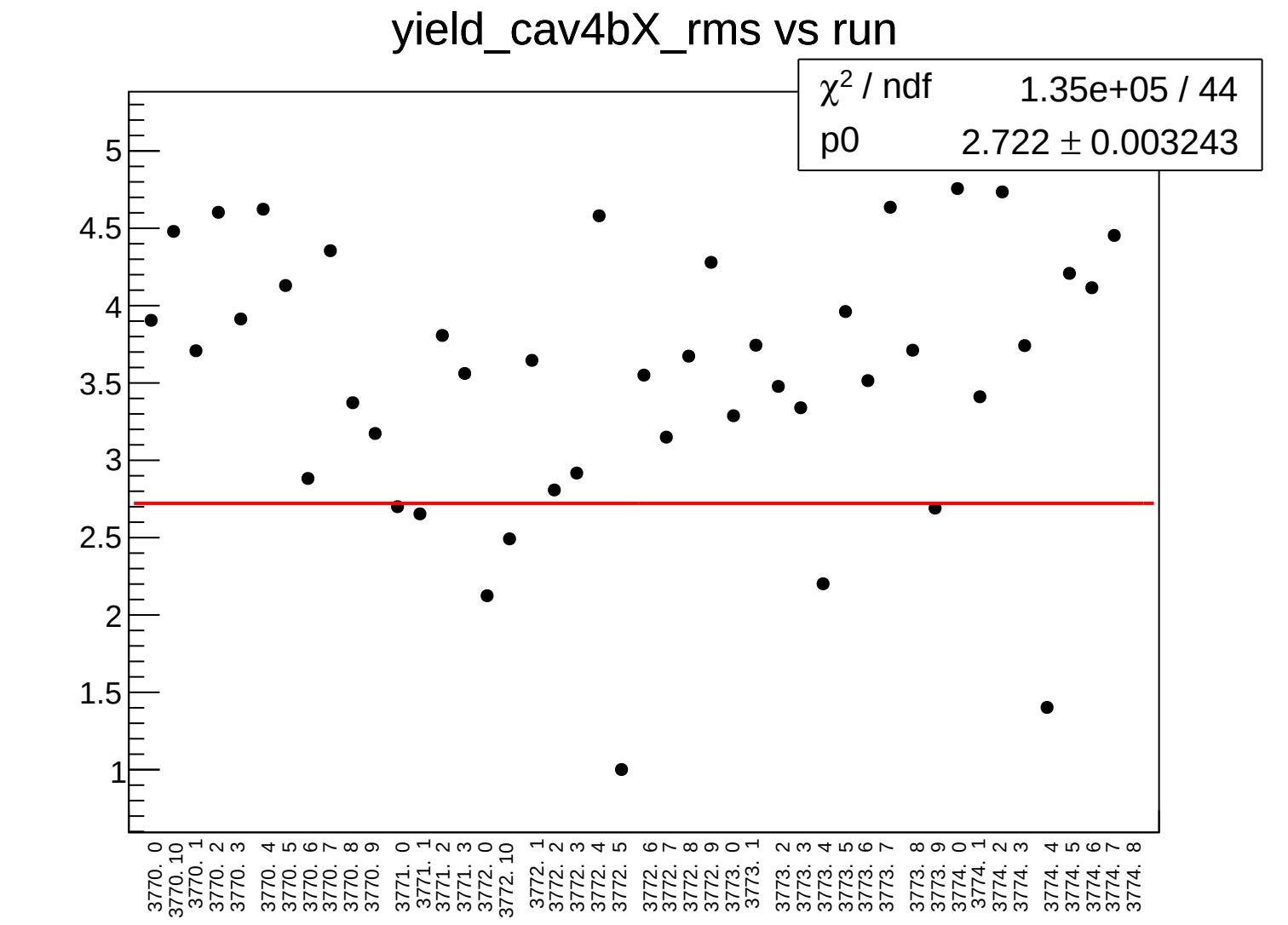

bcm_cav4cQ_ds3_dd_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


bcm_cav4cQ_ds3_dd_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


yield_cav4bX_mean vs run
χ² / ndf 1.561e+05 / 44
p0 −2.399 ± 0.004587
pull
Entries 45
Mean 14.54
Std Dev 8.047


pull1D
Entries 45
Mean 2.055
Std Dev 3.558


yield_cav4bX_rms vs run
χ^2 / ndf 1.35e+05 / 44
p0 2.722 ± 0.003243
5
4.5
4
3.5
3
2.5
2
1.5
1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
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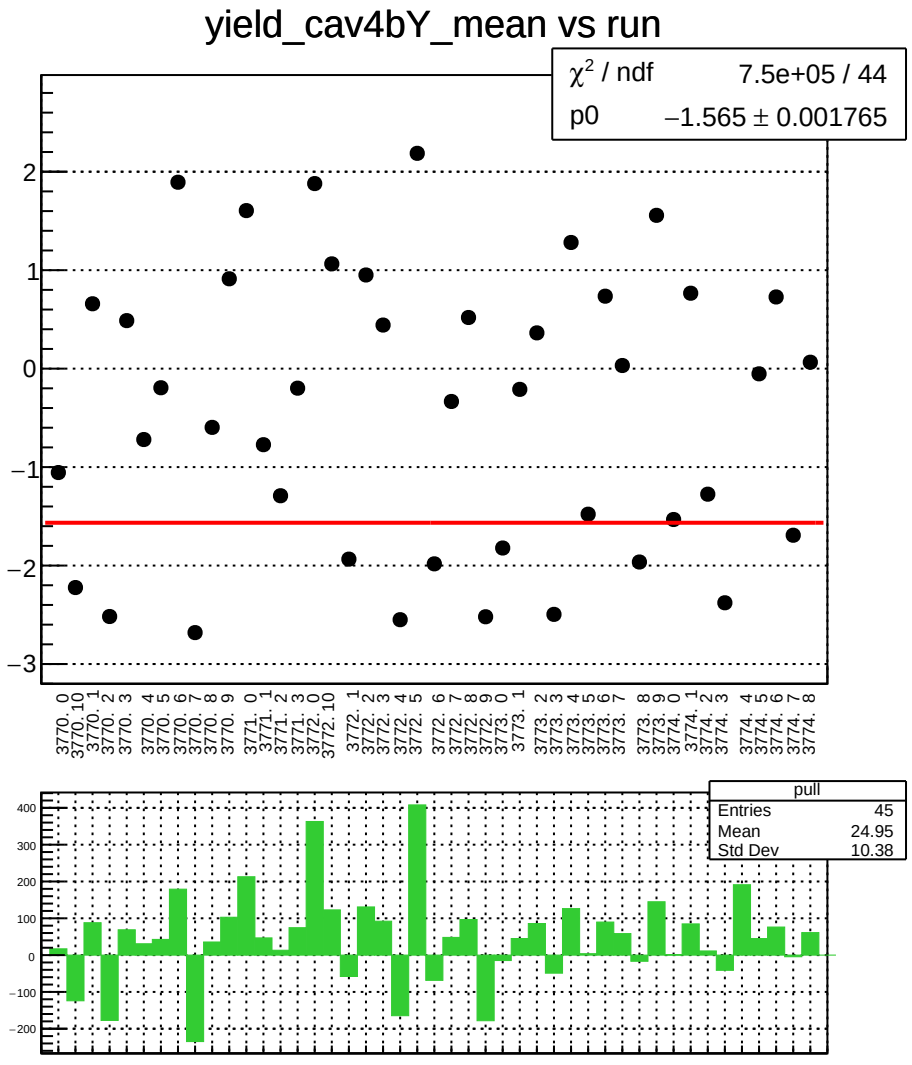
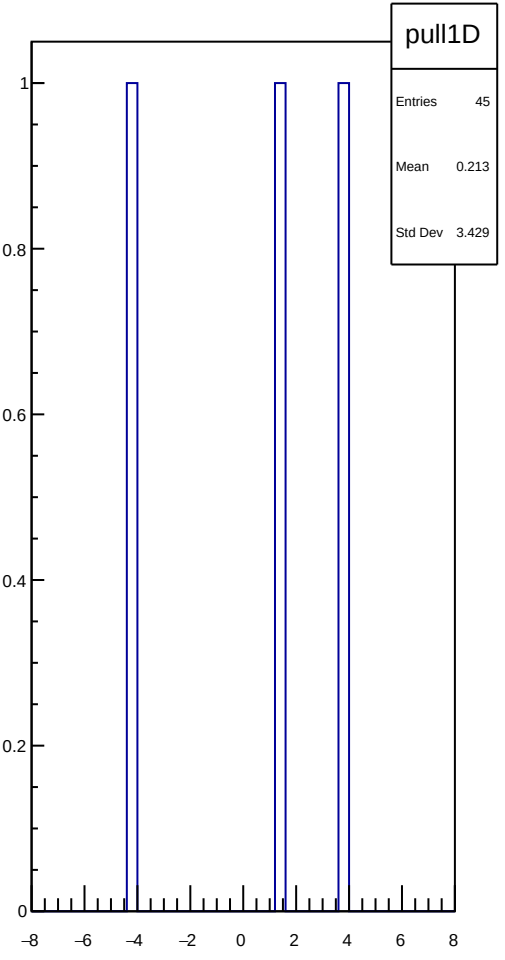
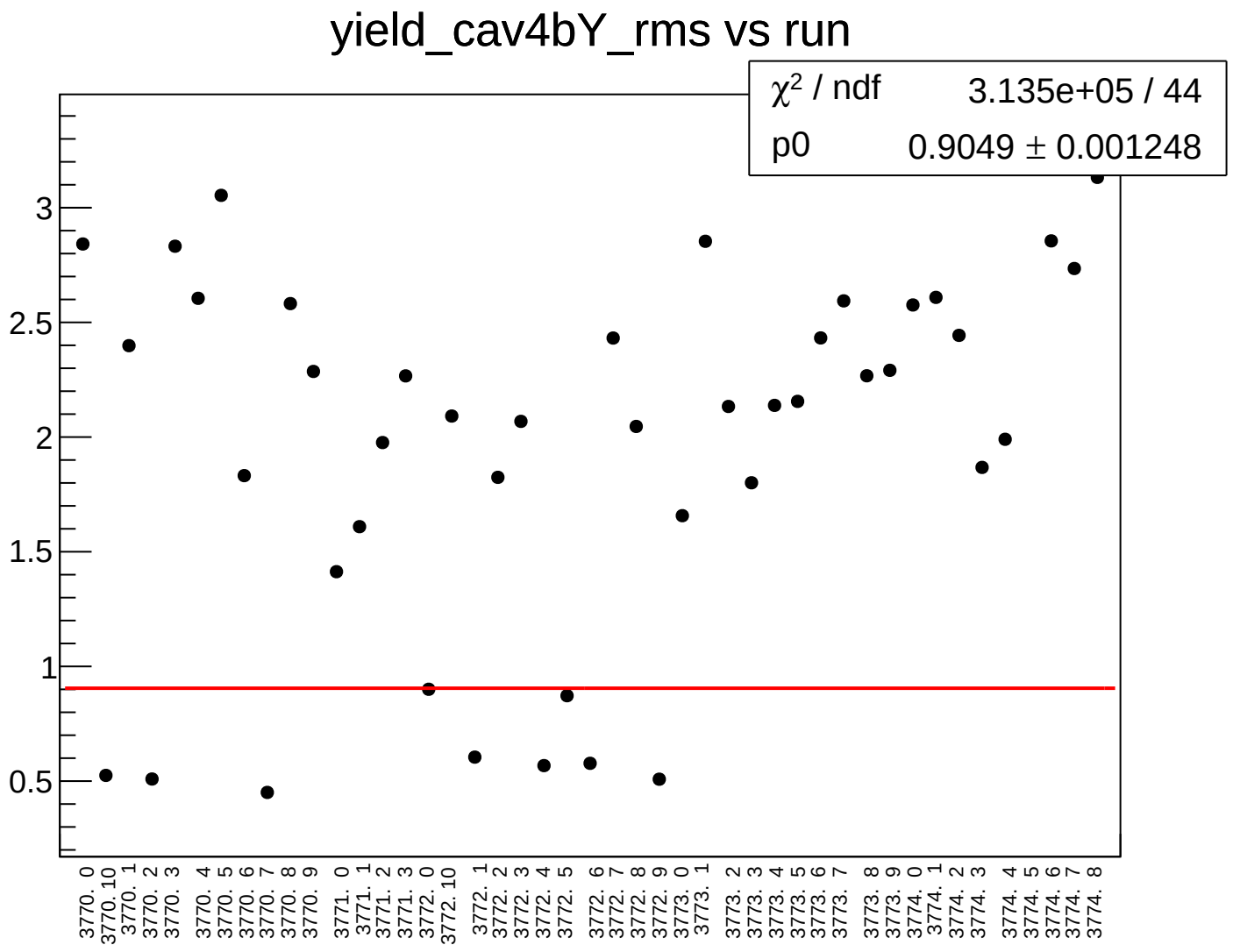
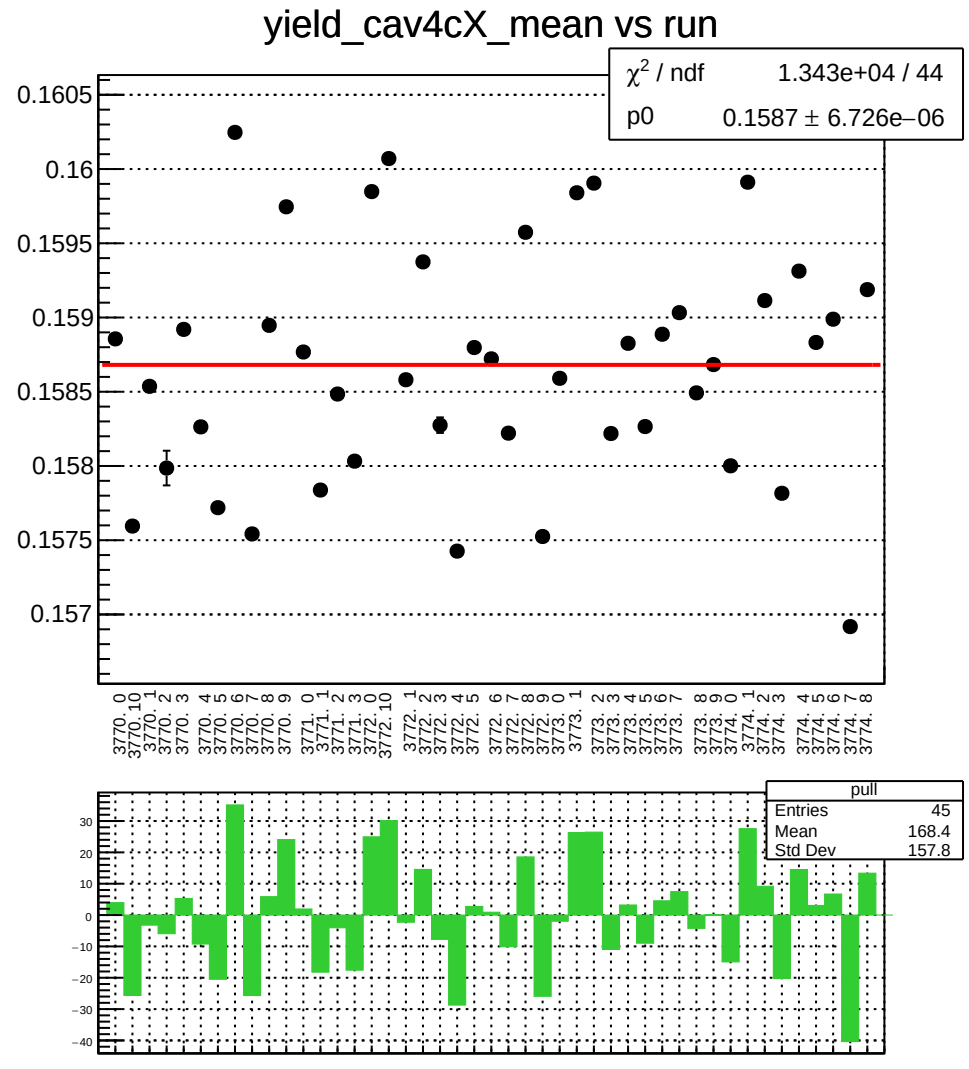
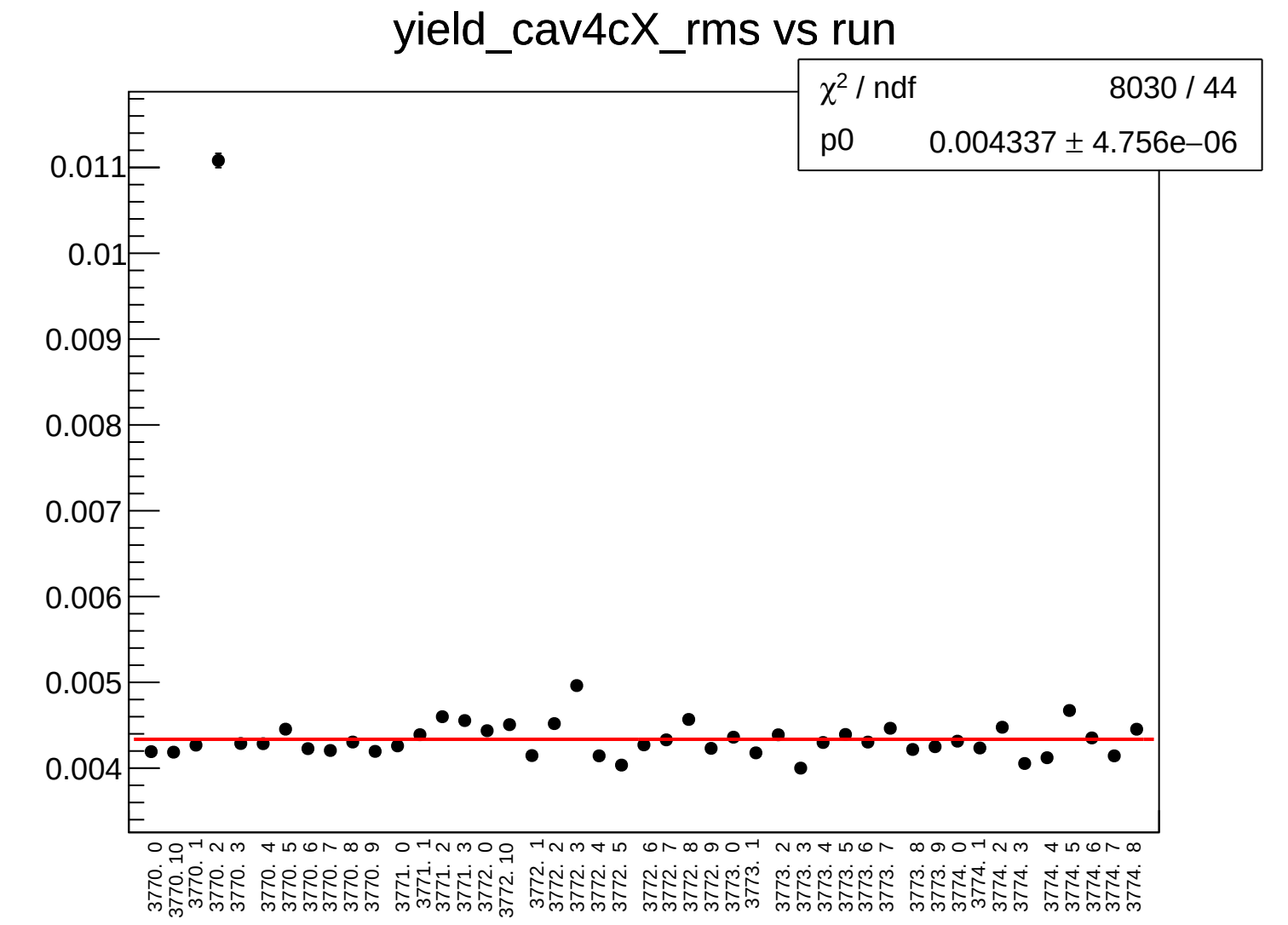
3774. 7
3774. 8

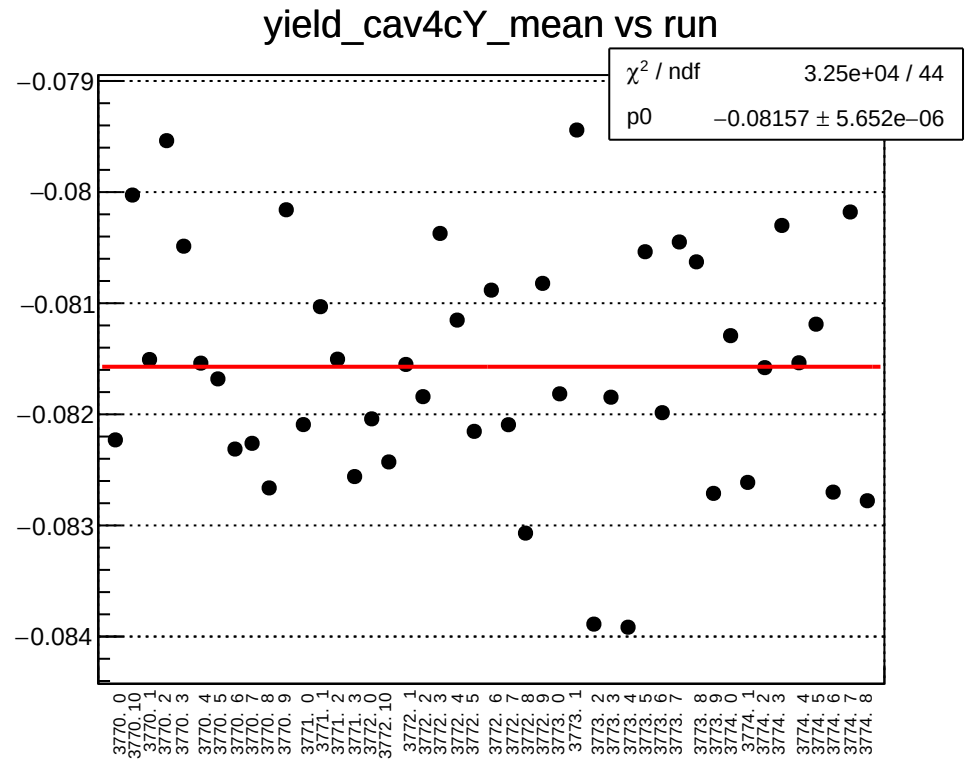

yield_cav4bY_mean vs run
χ² / ndf 7.5e+05 / 44
p0 −1.565 ± 0.001765
pull
Entries 45
Mean 24.95
Std Dev 10.38

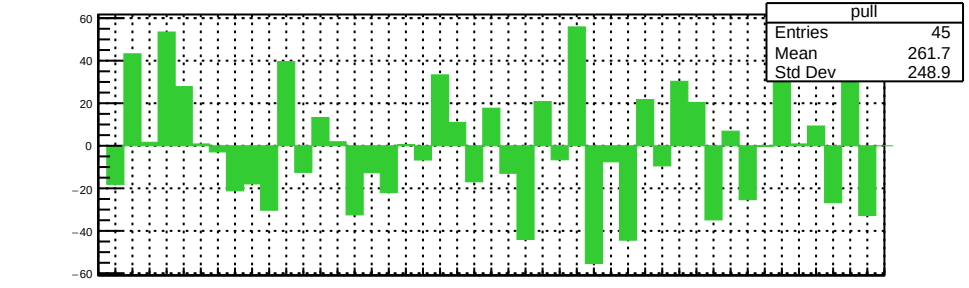

pull1D
Entries 45
Mean 0.213
Std Dev 3.429

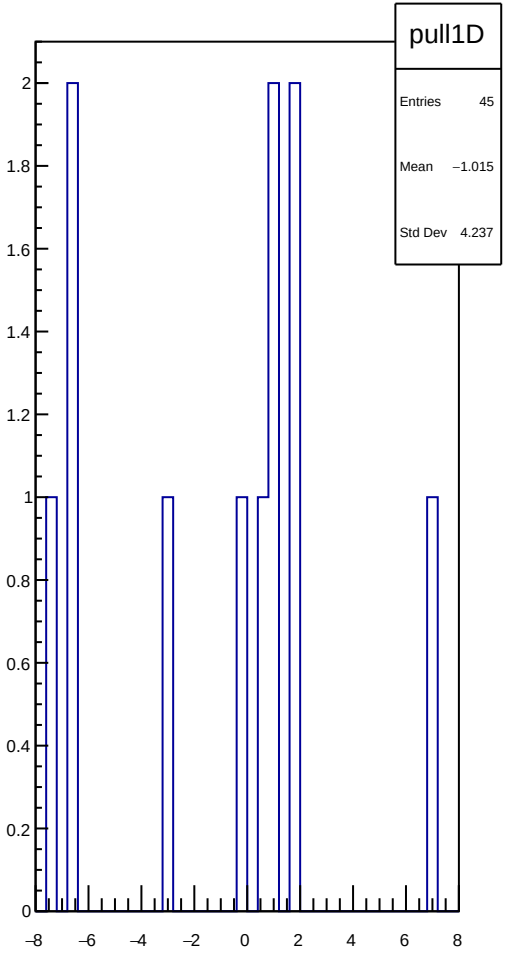

yield_cav4bY_rms vs run
χ² / ndf 3.135e+05 / 44
p0 0.9049 ± 0.001248
3
2.5
2
1.5
1
0.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

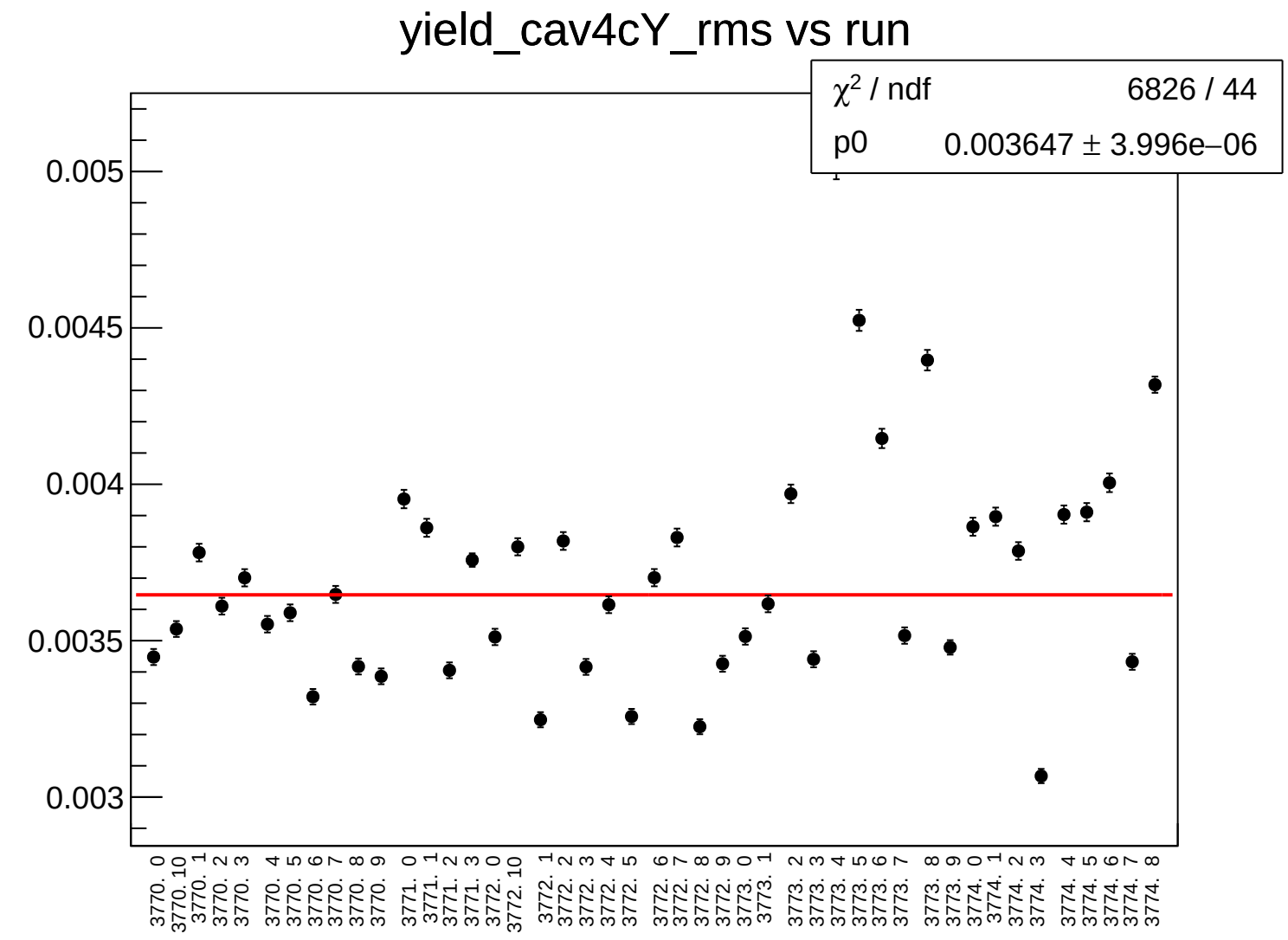

yield_cav4cX_mean vs run
χ² / ndf 1.343e+04 / 44
p0 0.1587 ± 6.726e−06
0.1605
0.16
0.1595
0.159
0.1585
0.158
0.1575
0.157
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 168.4
Std Dev 157.8
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 45
Mean 0.8558
Std Dev 4.394
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

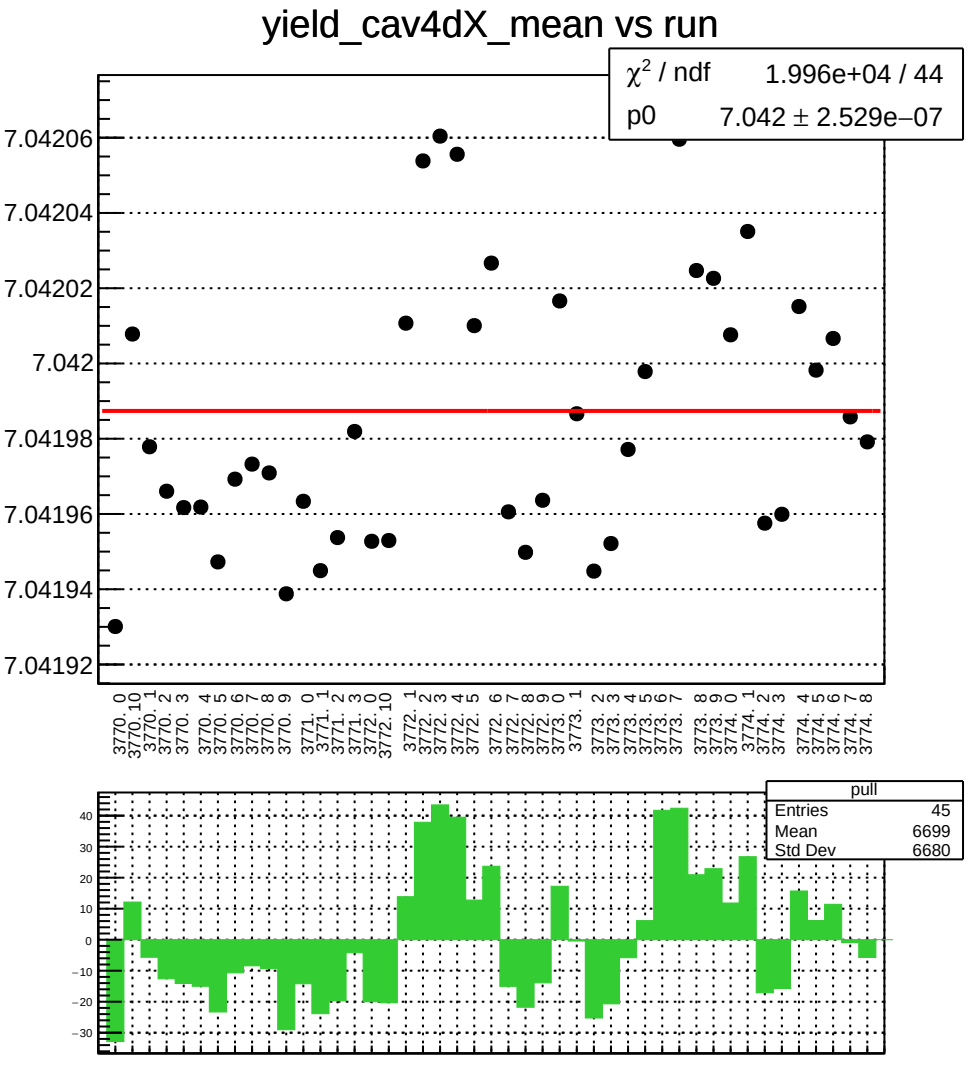

yield_cav4cX_rms vs run
χ² / ndf 8030 / 44
p0 0.004337 ± 4.756e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

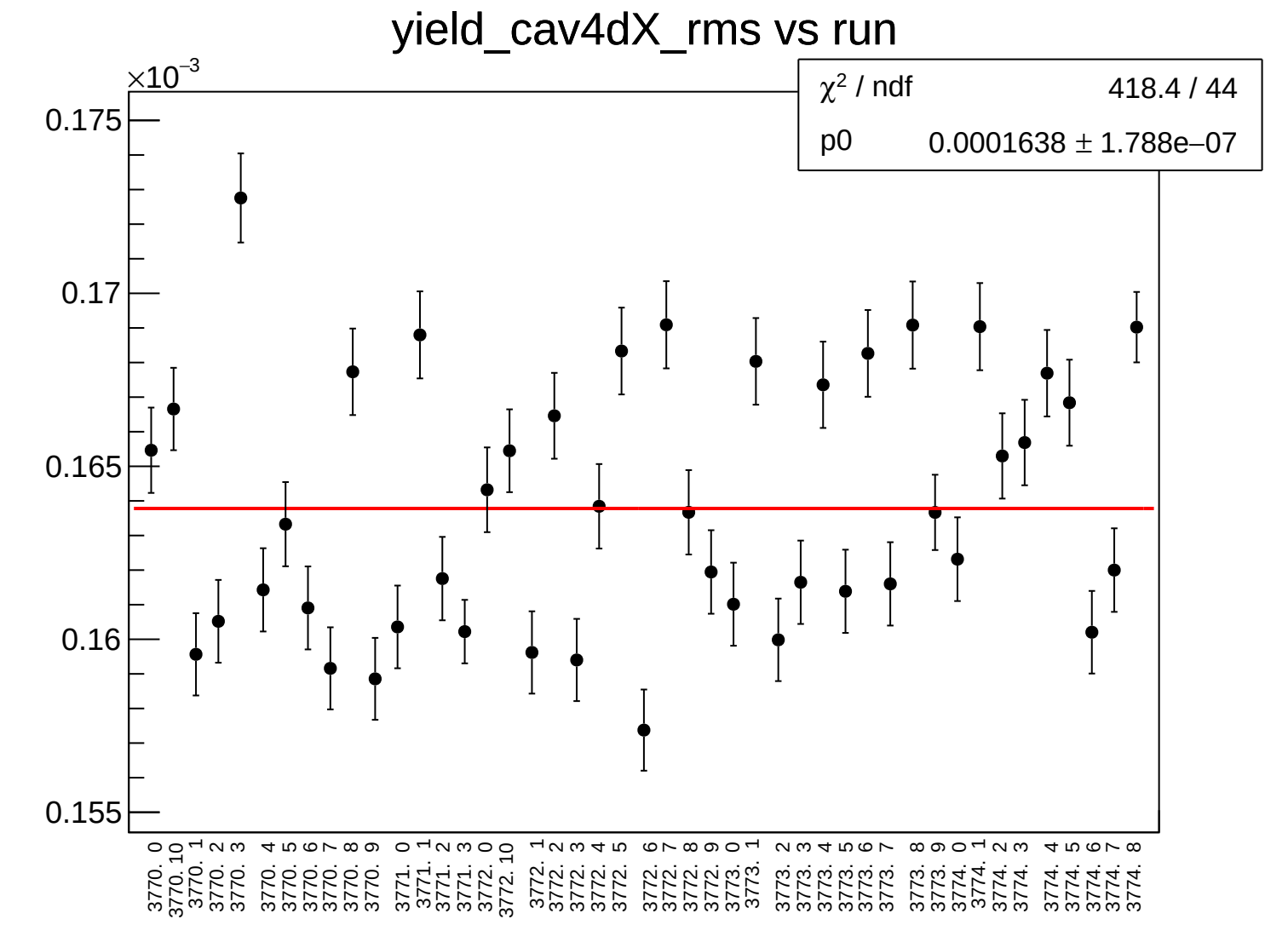

yield_cav4cY_mean vs run
χ² / ndf 3.25e+04 / 44
p0 −0.08157 ± 5.652e−06
−0.079
−0.08
−0.081
−0.082
−0.083
−0.084
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

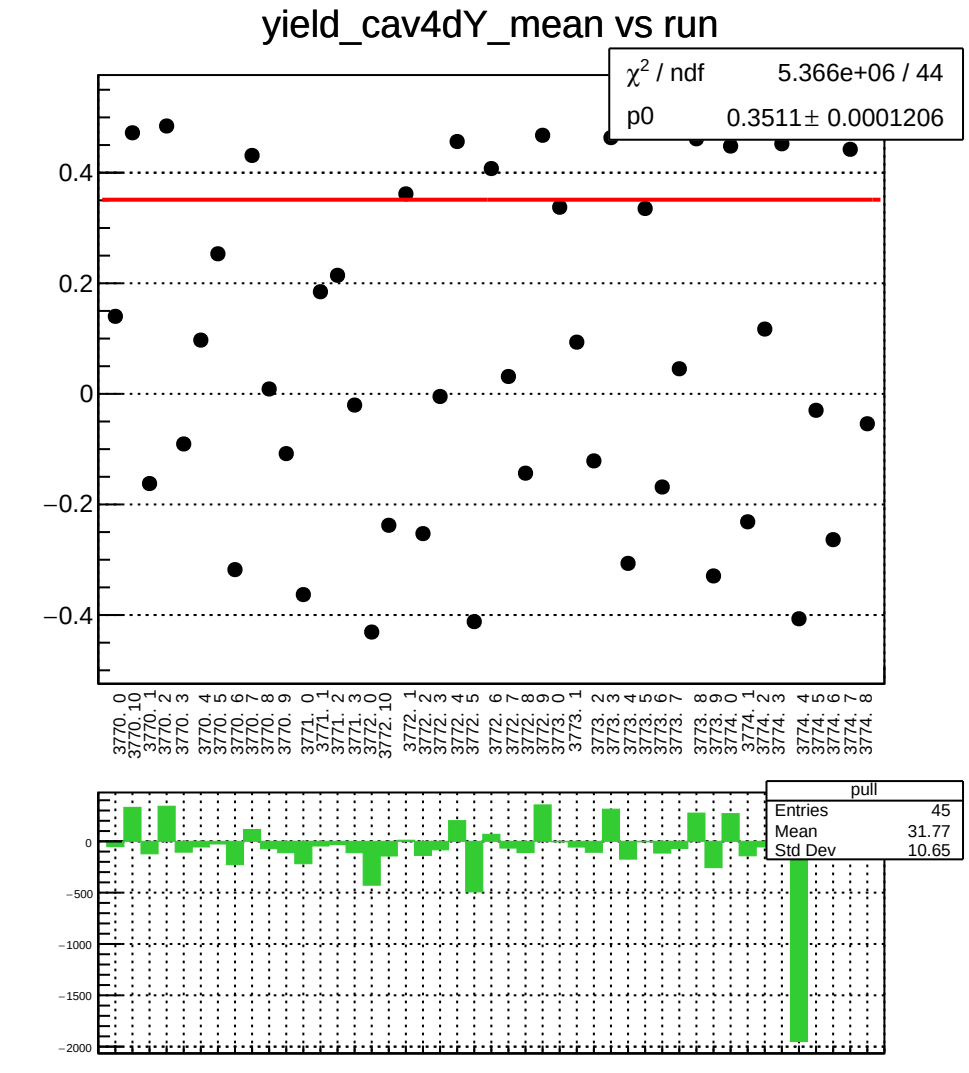

pull
Entries 45
Mean 261.7
Std Dev 248.9
60
40
20
0
−20
−40
−60

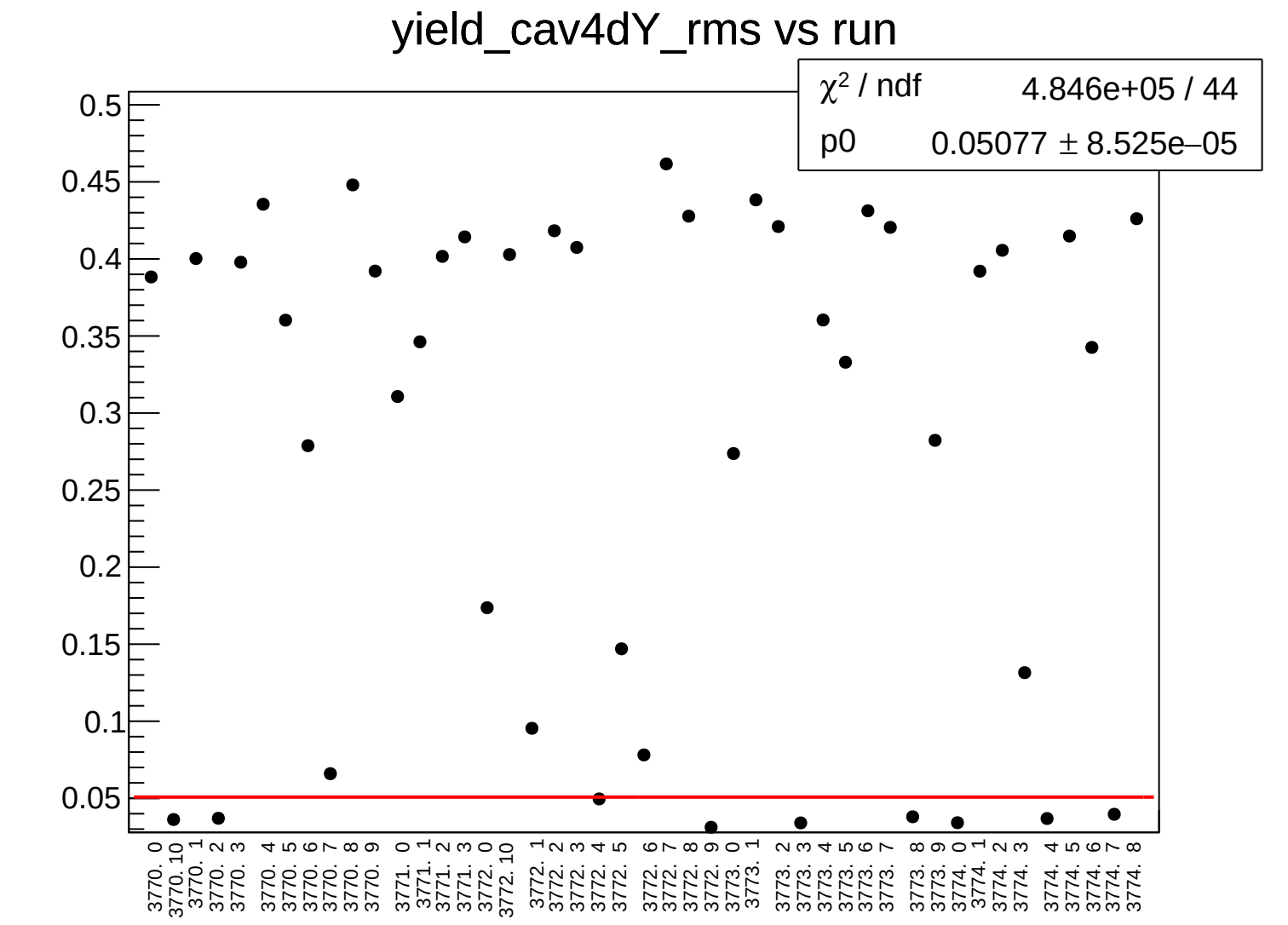

pull1D
Entries 45
Mean −1.015
Std Dev 4.237
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

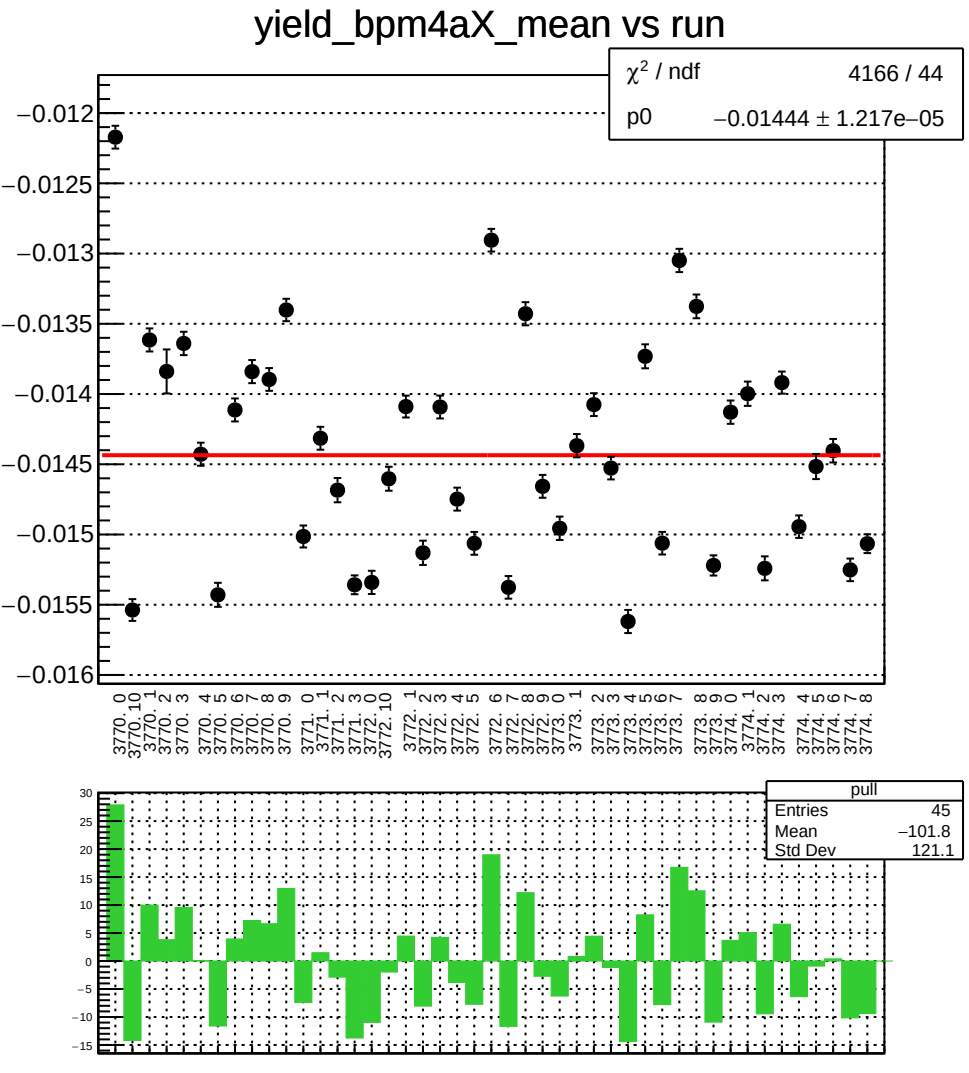

yield_cav4cY_rms vs run
χ² / ndf 6826 / 44
p0 0.003647 ± 3.996e−06
0.005
0.0045
0.004
0.0035
0.003
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

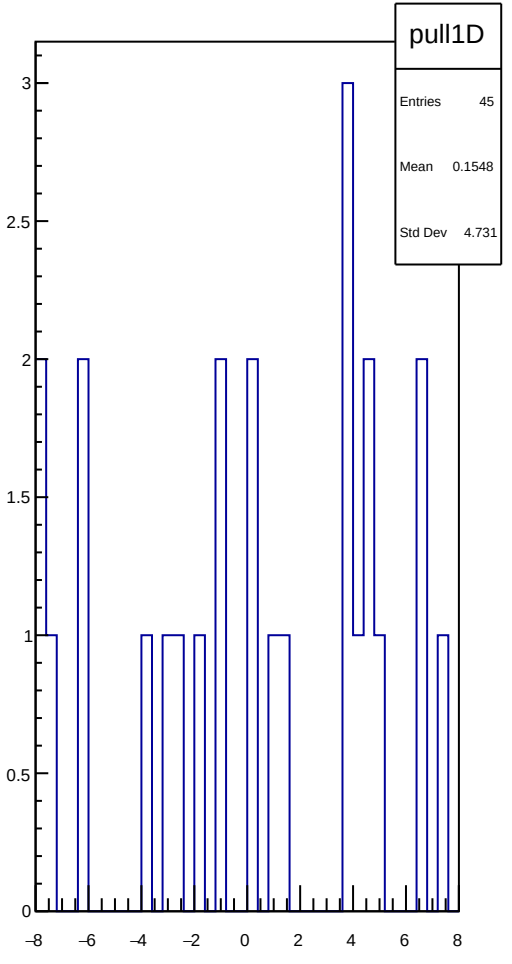

yield_cav4dX_mean vs run
χ² / ndf 1.996e+04 / 44
p0 7.042 ± 2.529e−07
7.04206
7.04204
7.04202
7.042
7.04198
7.04196
7.04194
7.04192
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 6699
Std Dev 6680
40
30
20
10
0
−10
−20
−30
pull1D
Entries 45
Mean −1.303
Std Dev 4.736
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

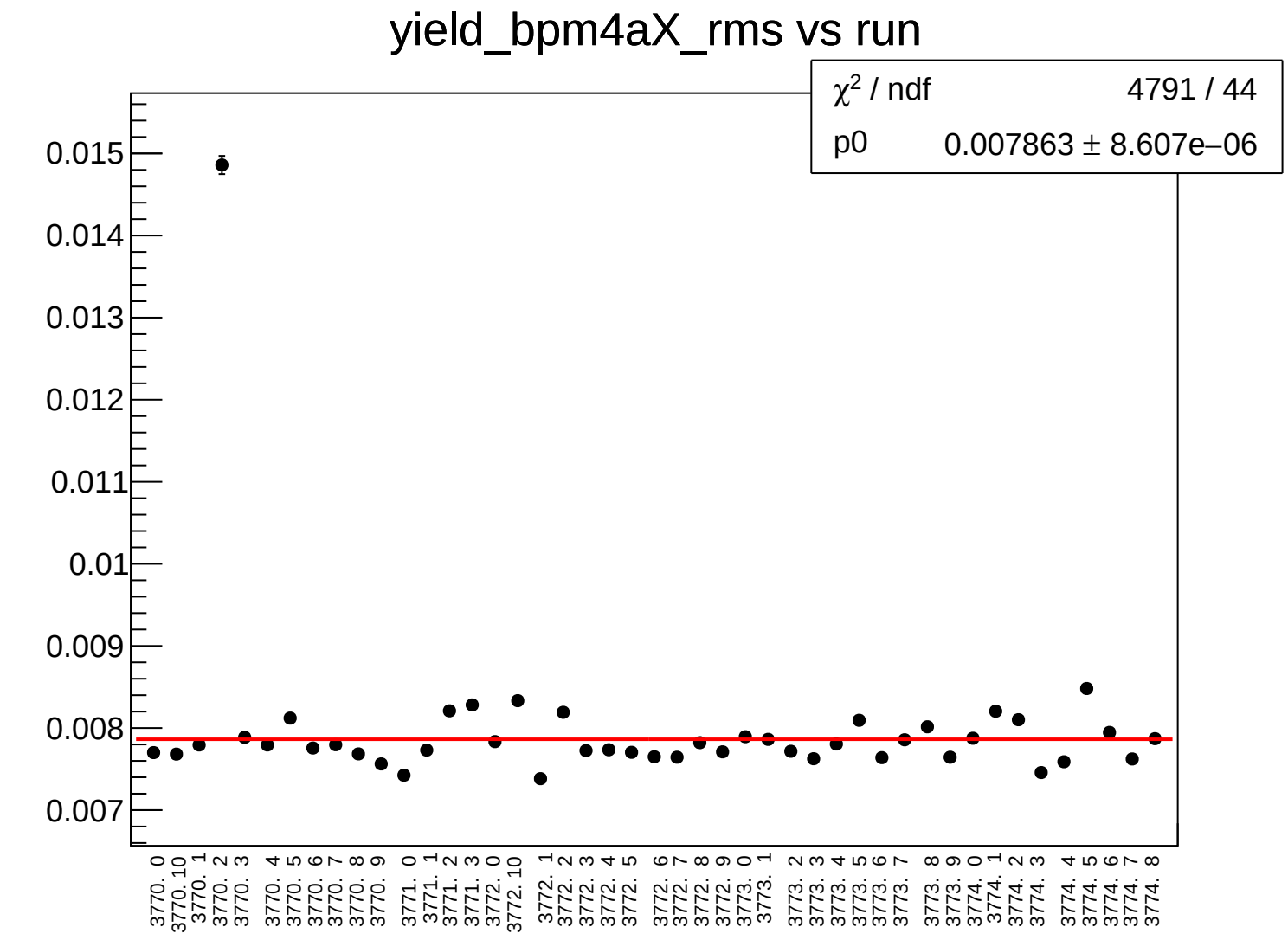

yield_cav4dX_rms vs run
×10⁻³
χ² / ndf 418.4 / 44
p0 0.0001638 ± 1.788e−07
0.175
0.17
0.165
0.16
0.155
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

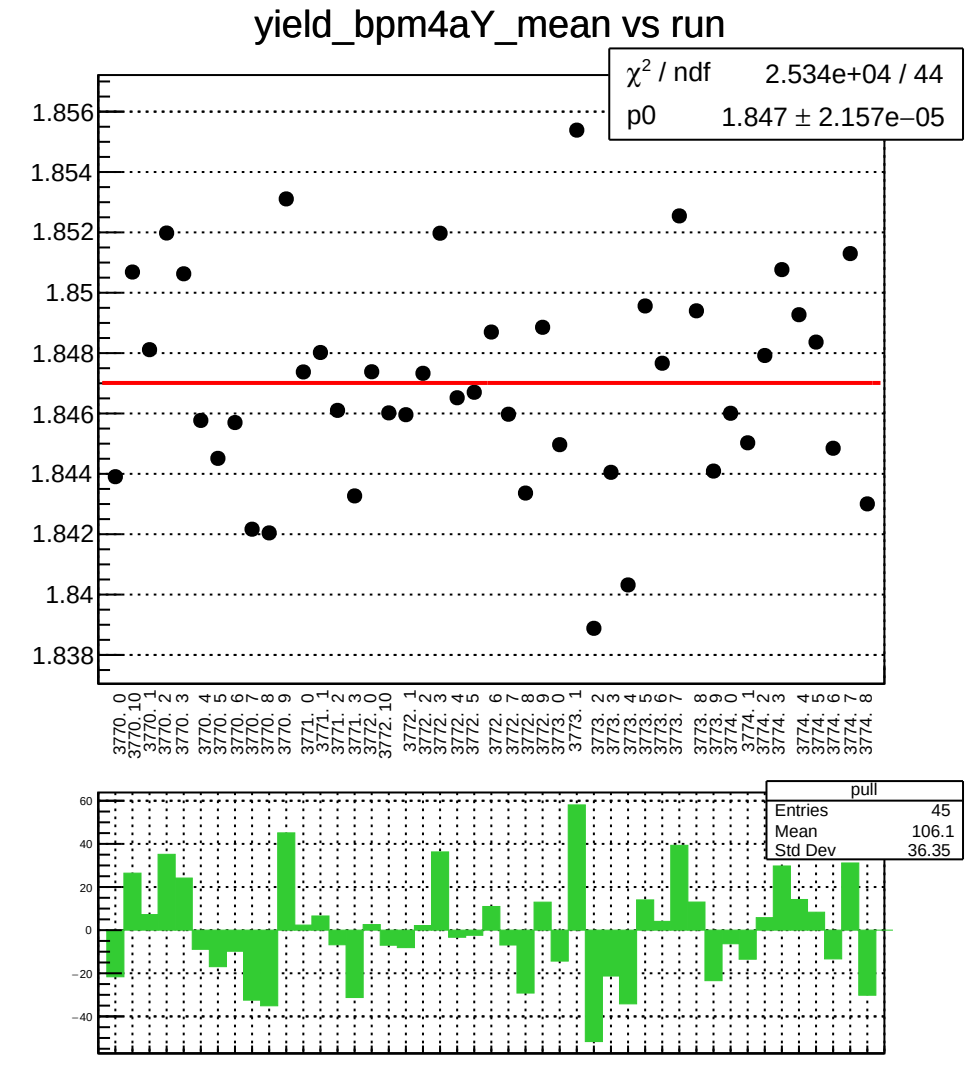

yield_cav4dY_mean vs run
χ² / ndf 5.366e+06 / 44
p0 0.3511 ± 0.0001206
0.4
0.2
0
−0.2
−0.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 31.77
Std Dev 10.65
0
−500
−1000
−1500
−2000
pull1D
Entries 45
Mean −4.621
Std Dev 0.09473
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

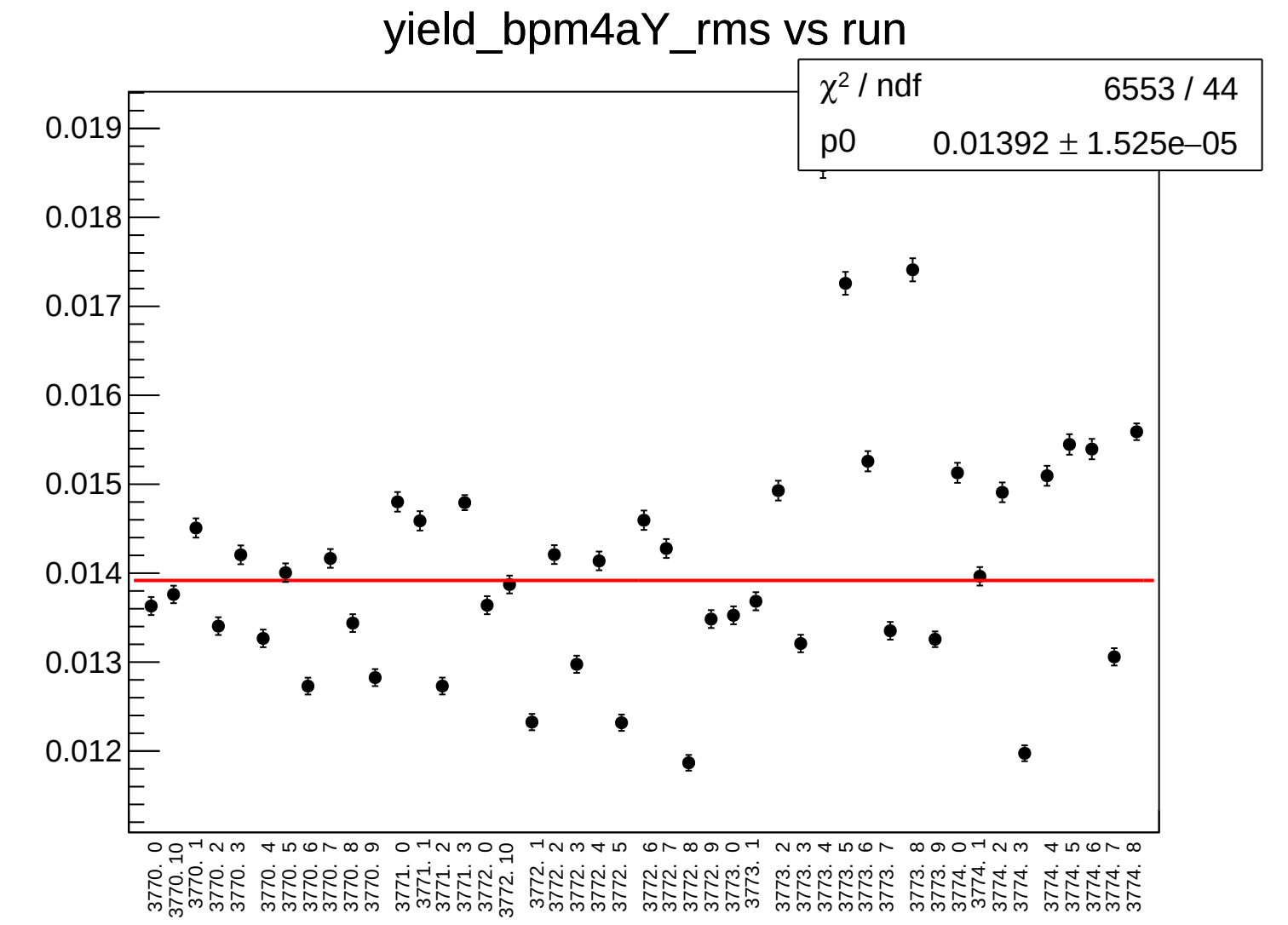

yield_cav4dY_rms vs run
χ² / ndf 4.846e+05 / 44
p0 0.05077 ± 8.525e–05
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

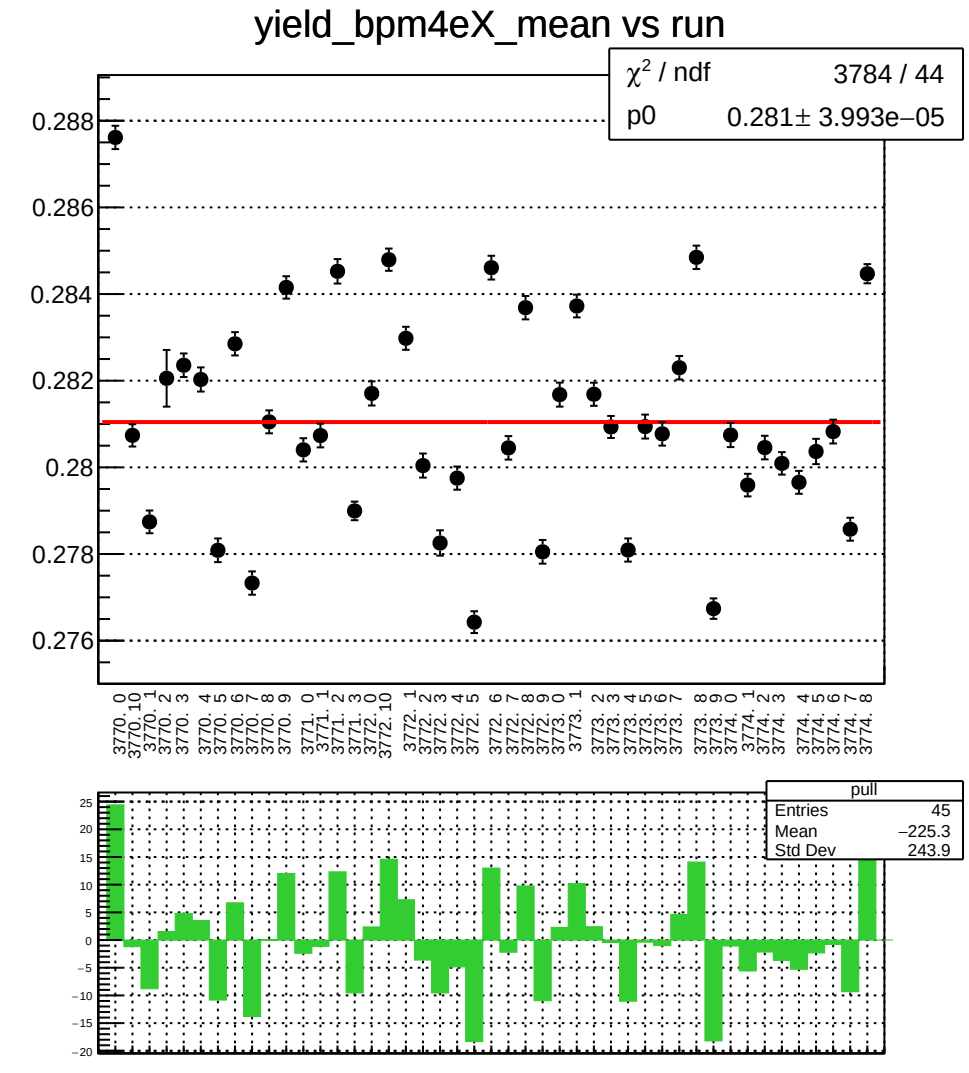

yield_bpm4aX_mean vs run
χ² / ndf 4166 / 44
p0 −0.01444 ± 1.217e−05
−0.012
−0.0125
−0.013
−0.0135
−0.014
−0.0145
−0.015
−0.0155
−0.016
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −101.8
Std Dev 121.1
30
25
20
15
10
5
0
−5
−10
−15

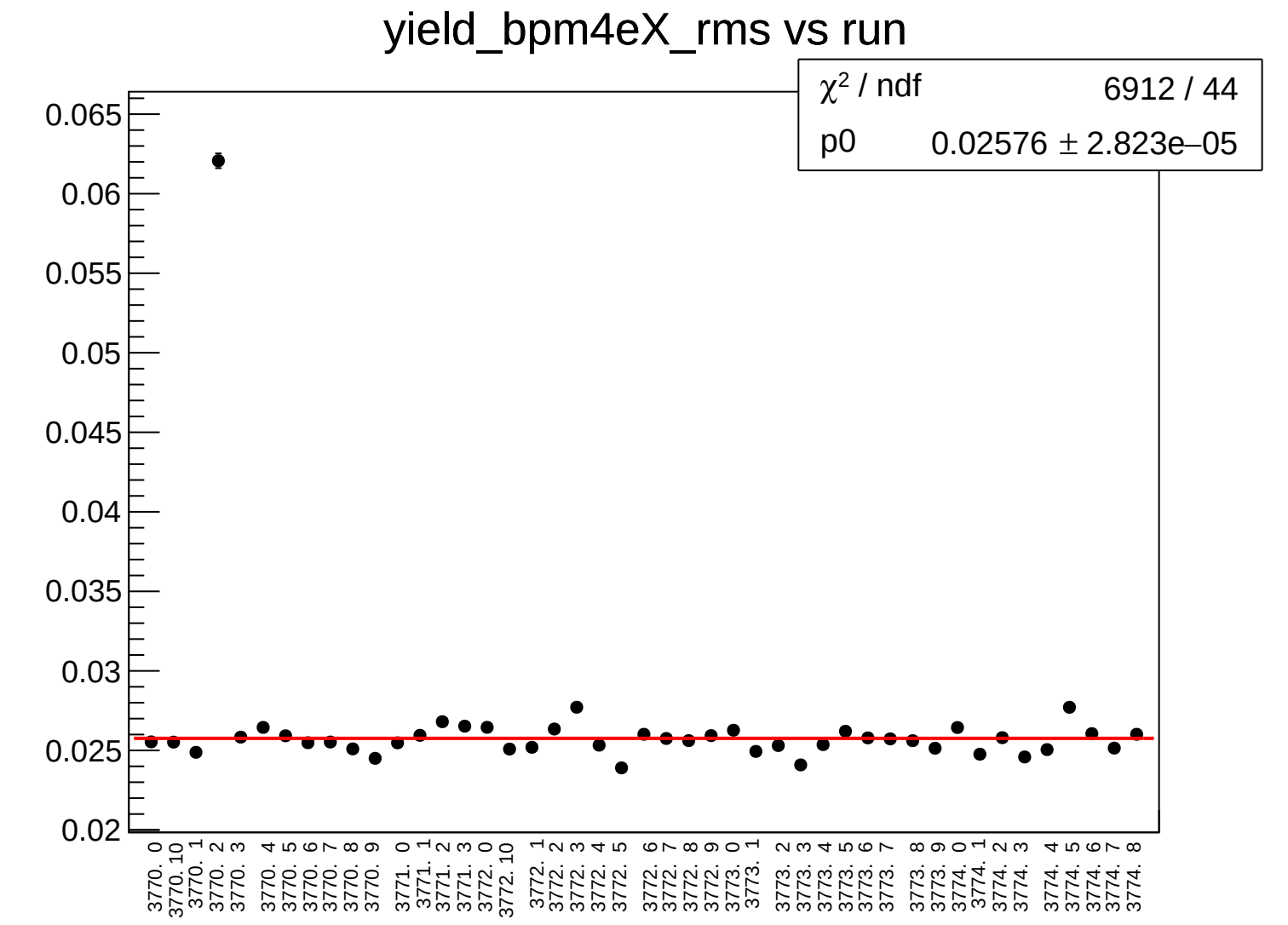

pull1D
Entries 45
Mean 0.1548
Std Dev 4.731
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

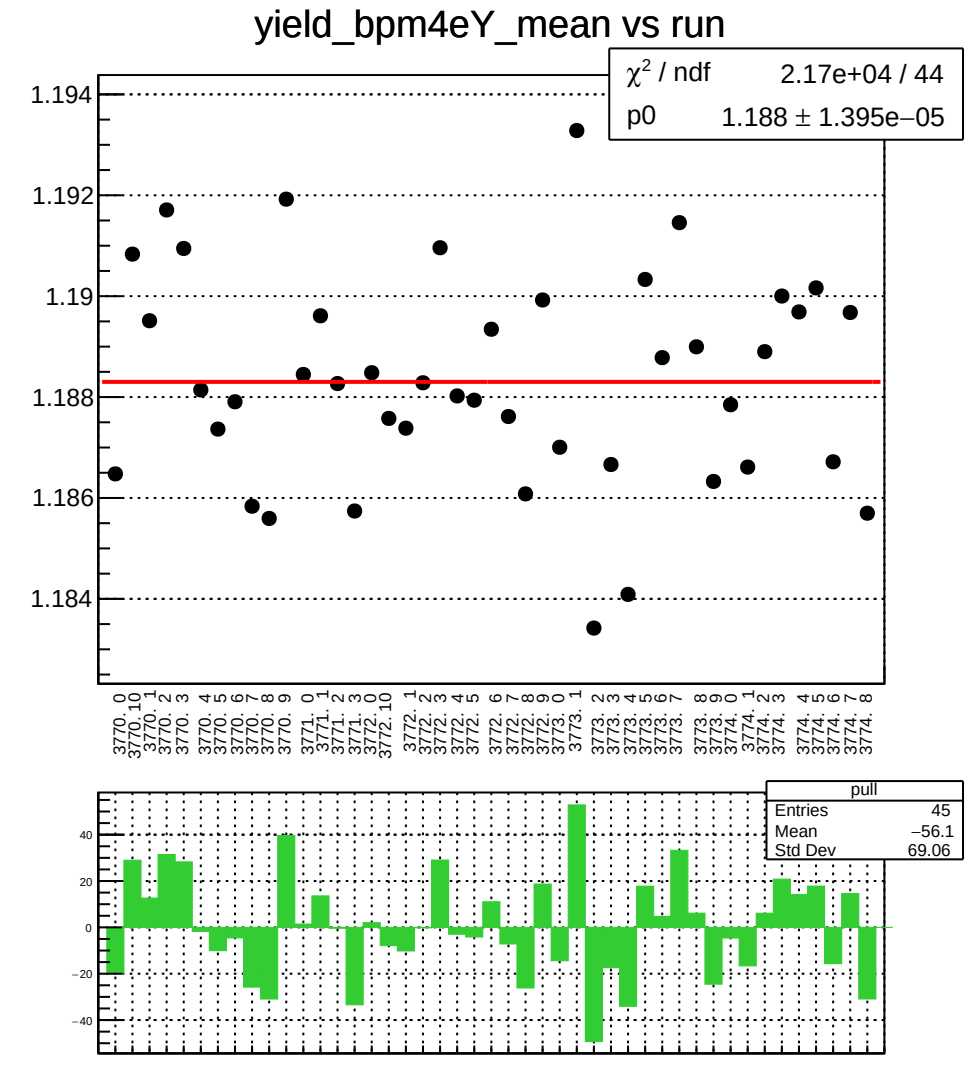

yield_bpm4aX_rms vs run
χ² / ndf 4791 / 44
p0 0.007863 ± 8.607e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

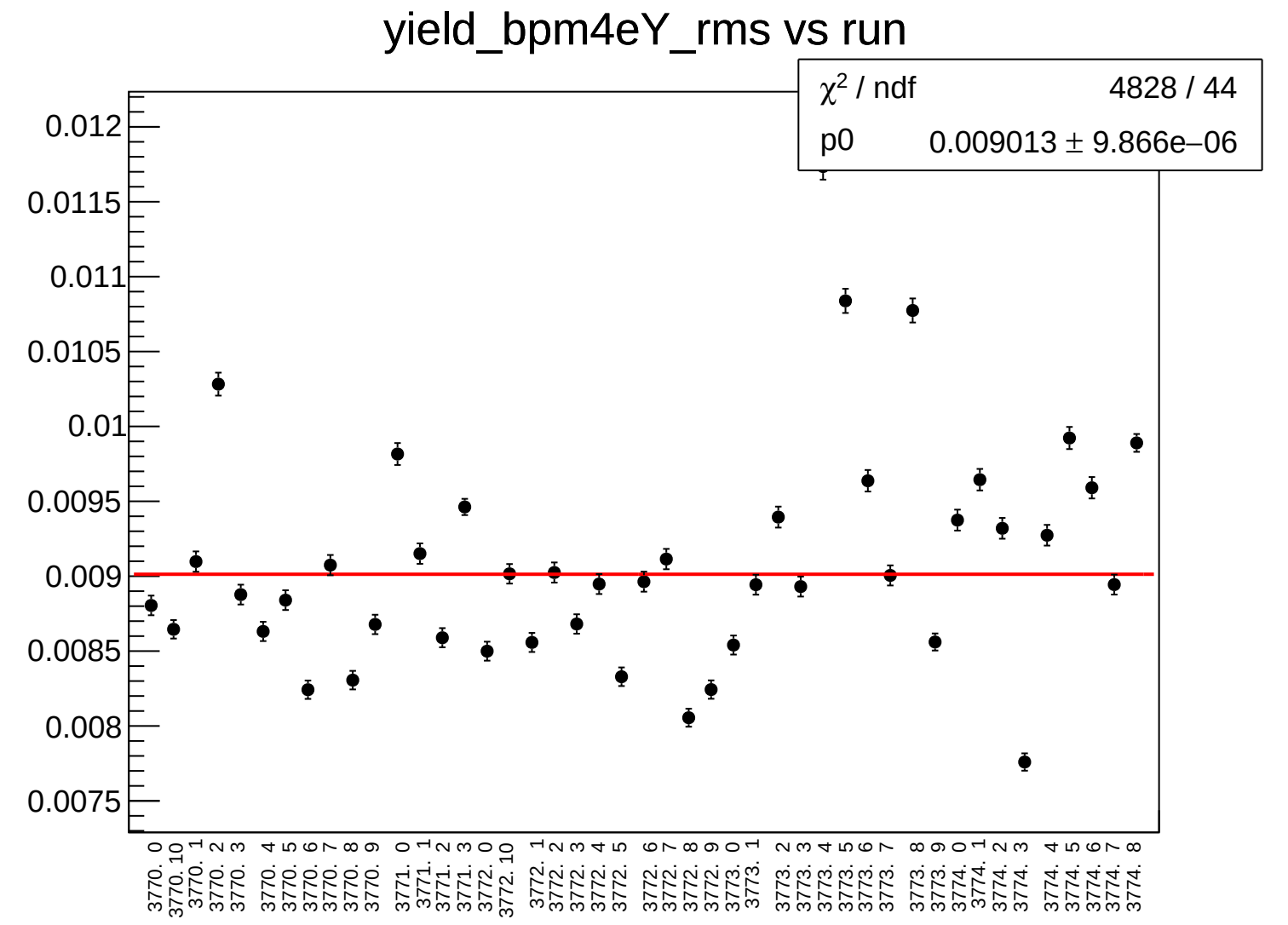

yield_bpm4aY_mean vs run
χ² / ndf 2.534e+04 / 44
p0 1.847 ± 2.157e−05
1.856
1.854
1.852
1.85
1.848
1.846
1.844
1.842
1.84
1.838
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 106.1
Std Dev 36.35
60
40
20
0
−20
−40
pull1D
Entries 45
Mean −0.1497
Std Dev 5.261
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

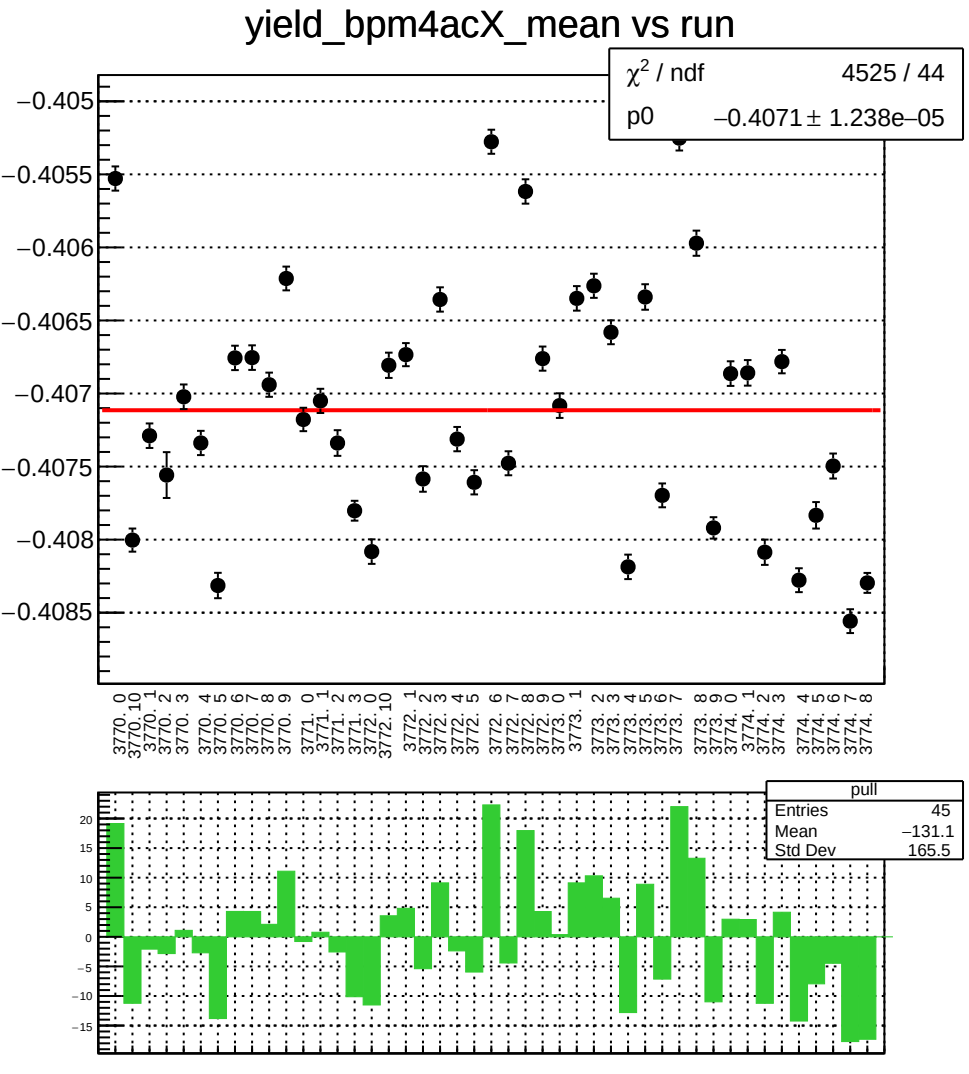

yield_bpm4aY_rms vs run
χ² / ndf 6553 / 44
p0 0.01392 ± 1.525e−05
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

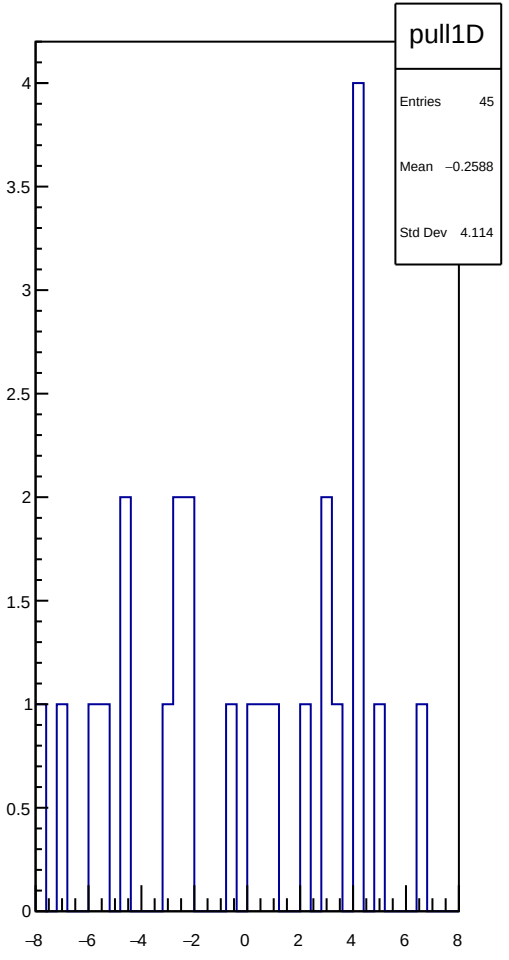

yield_bpm4eX_mean vs run
χ² / ndf 3784 / 44
p0 0.281± 3.993e−05
0.288
0.286
0.284
0.282
0.28
0.278
0.276
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −225.3
Std Dev 243.9
25
20
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 45
Mean −0.09614
Std Dev 3.449
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

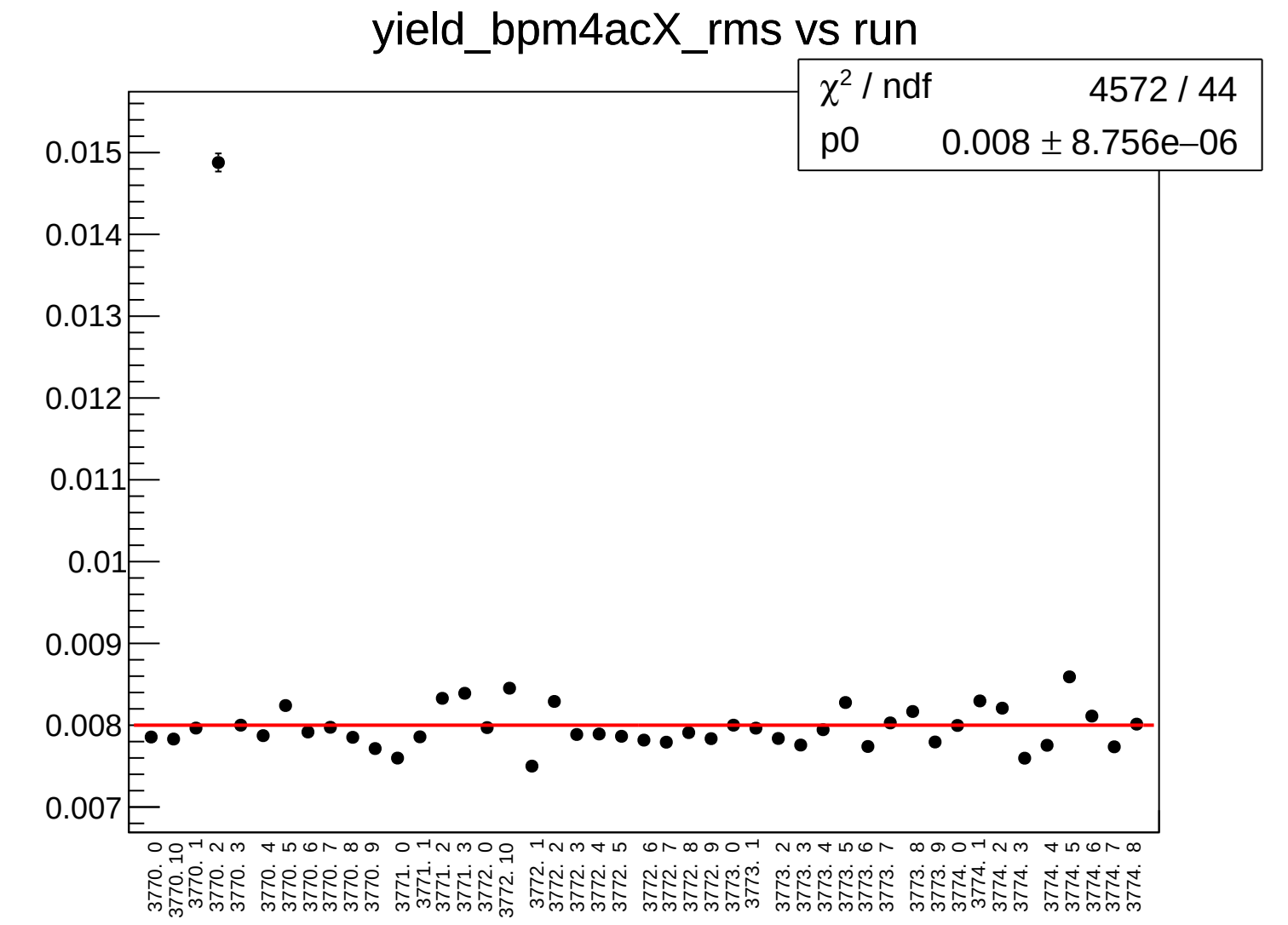

yield_bpm4eX_rms vs run
χ² / ndf 6912 / 44
p0 0.02576 ± 2.823e−05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

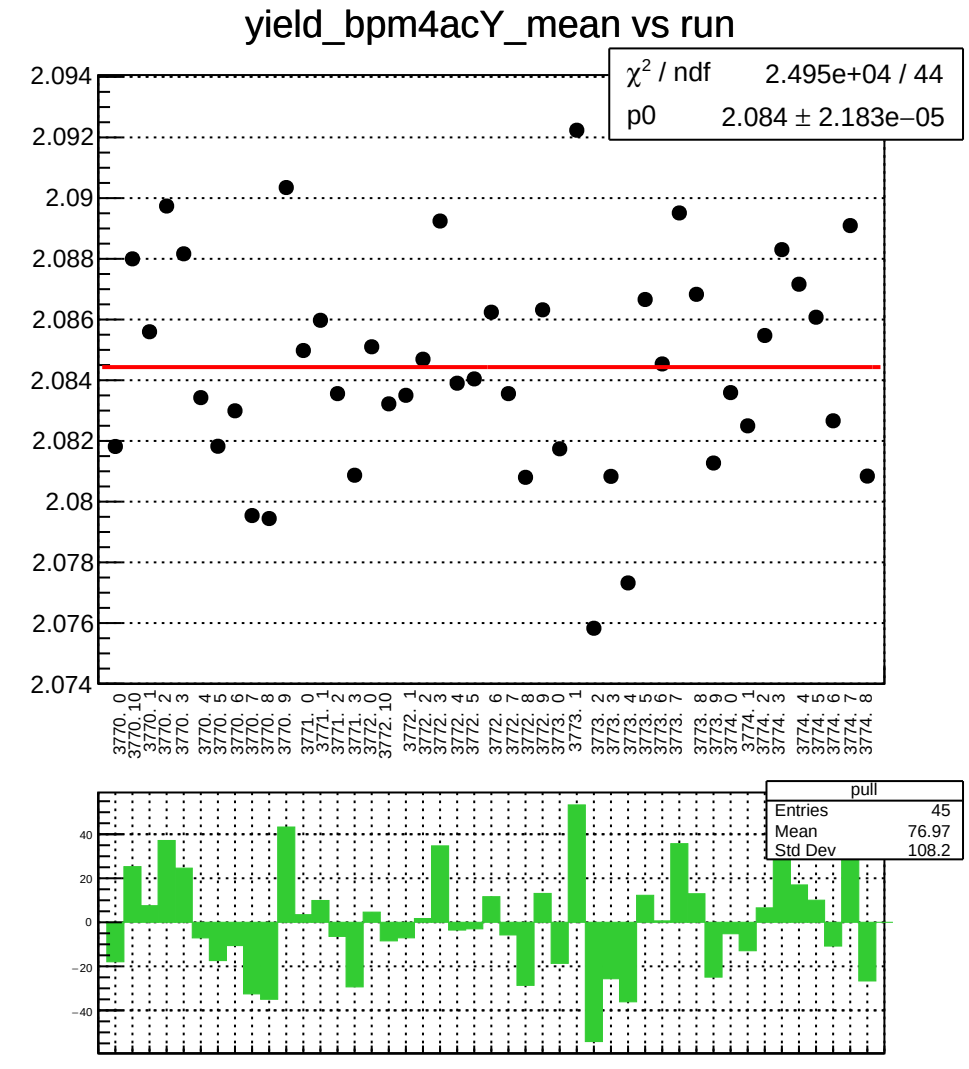

yield_bpm4eY_mean vs run
χ² / ndf 2.17e+04 / 44
p0 1.188 ± 1.395e−05
1.194
1.192
1.19
1.188
1.186
1.184
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −56.1
Std Dev 69.06
40
20
0
−20
−40
pull1D
Entries 45
Mean −0.9388
Std Dev 4.426
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

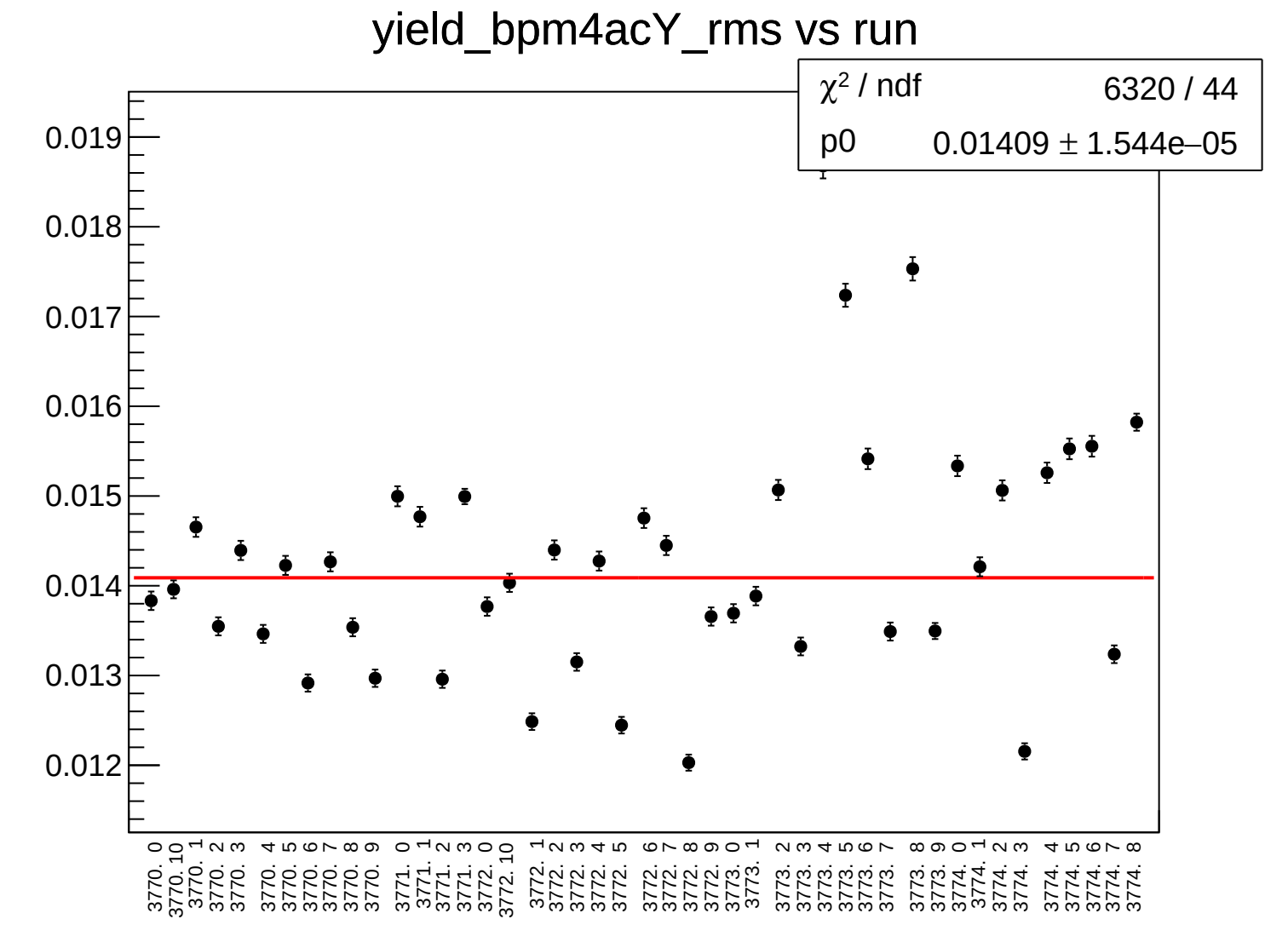

yield_bpm4eY_rms vs run
χ² / ndf 4828 / 44
p0 0.009013 ± 9.866e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

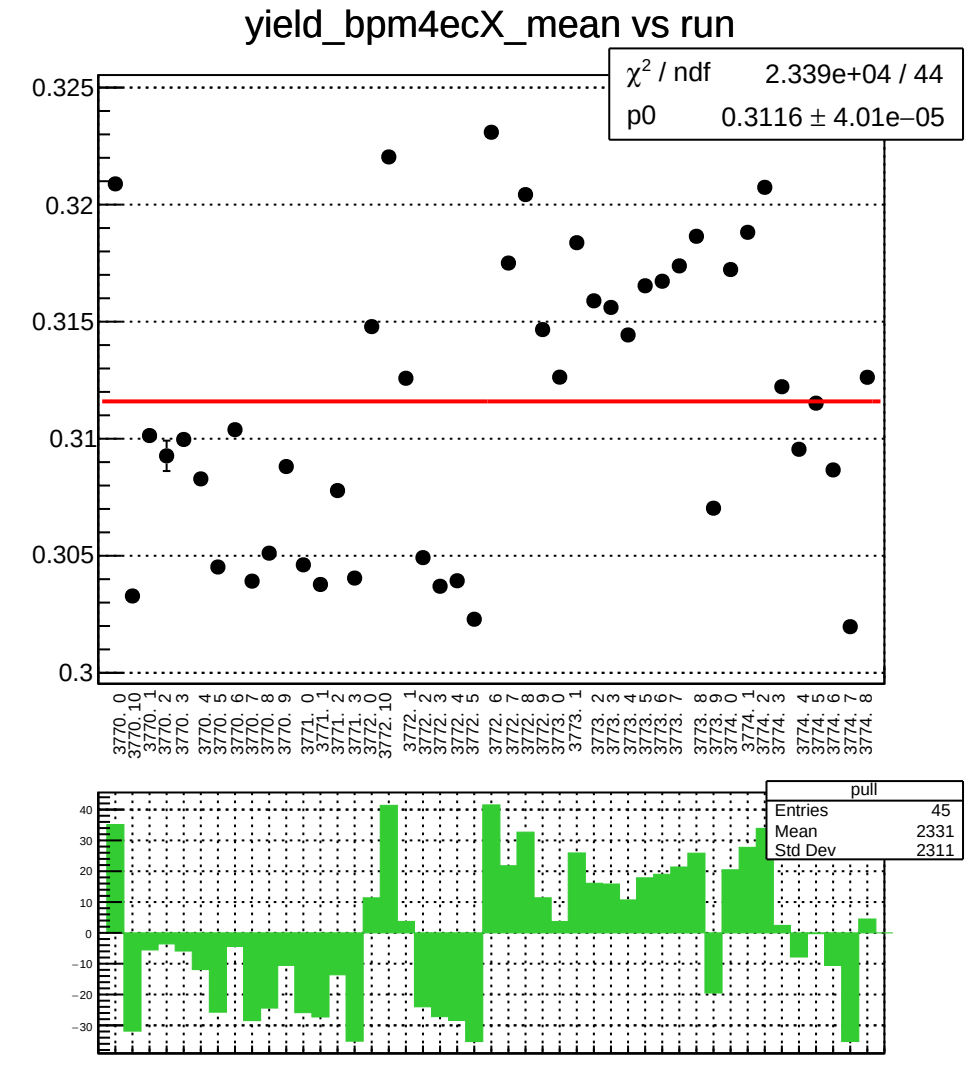

yield_bpm4acX_mean vs run
χ² / ndf 4525 / 44
p0 −0.4071 ± 1.238e−05
−0.405
−0.4055
−0.406
−0.4065
−0.407
−0.4075
−0.408
−0.4085
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −131.1
Std Dev 165.5
20
15
10
5
0
−5
−10
−15

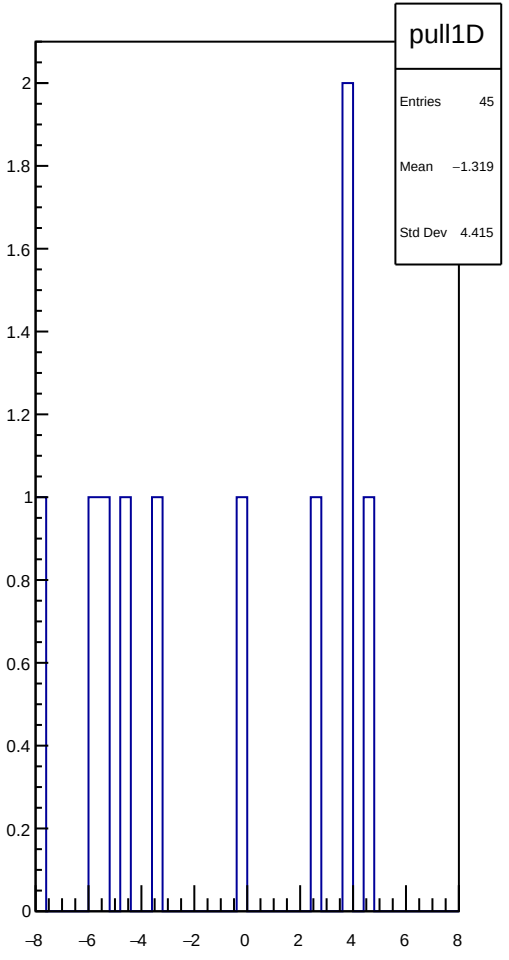

pull1D
Entries 45
Mean −0.2588
Std Dev 4.114
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

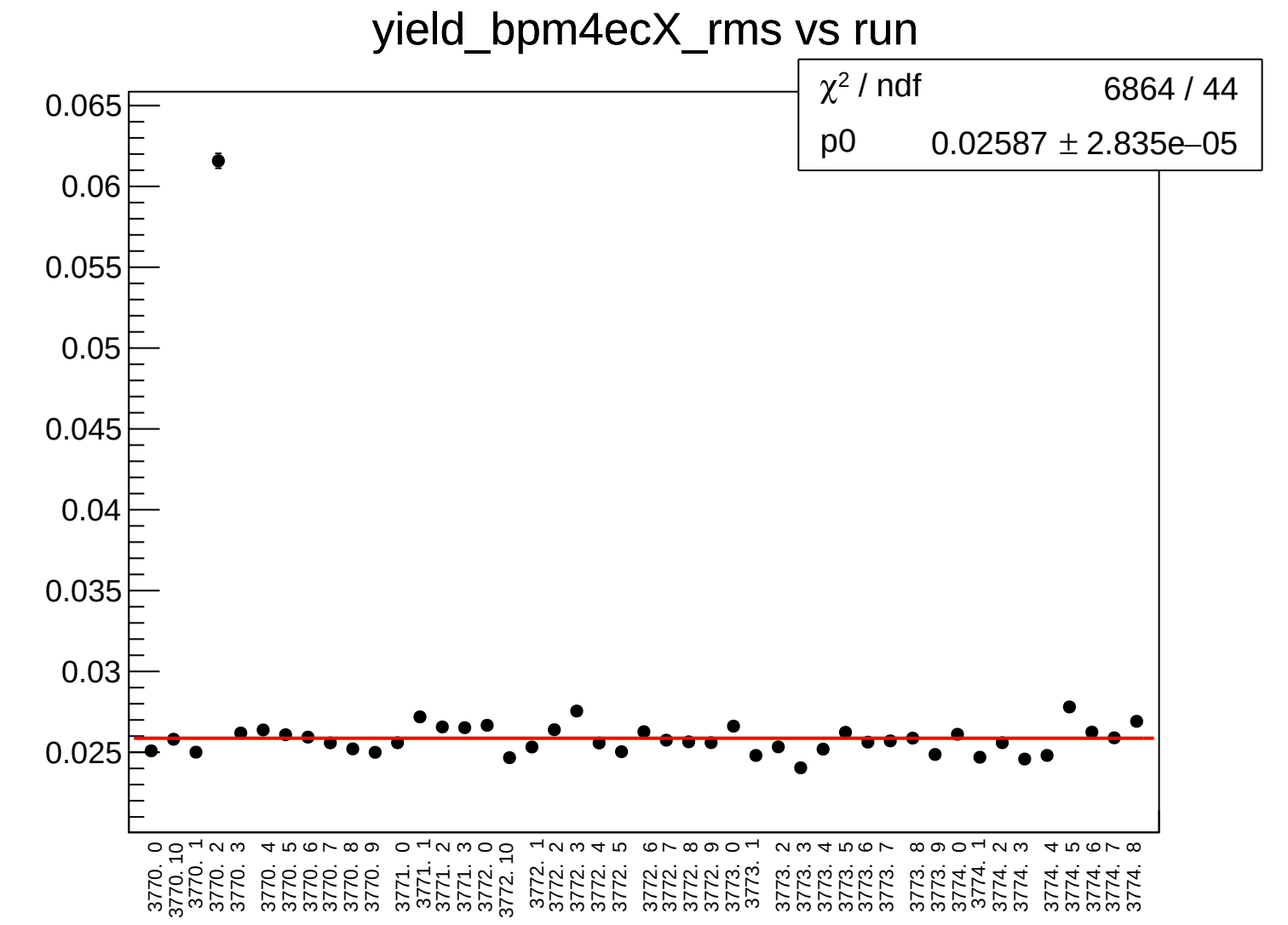

yield_bpm4acX_rms vs run
χ² / ndf 4572 / 44
p0 0.008 ± 8.756e–06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

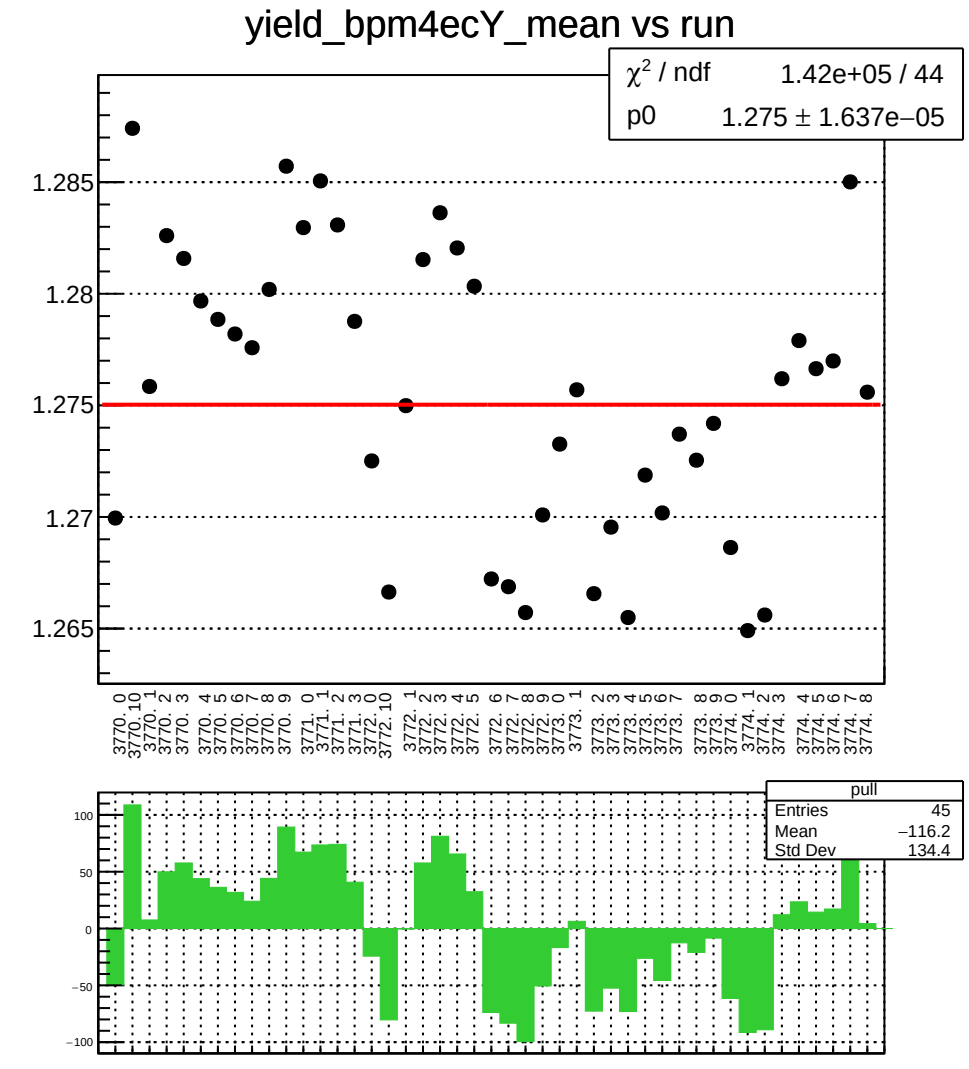

yield_bpm4acY_mean vs run
χ² / ndf 2.495e+04 / 44
p0 2.084 ± 2.183e−05
2.094
2.092
2.09
2.088
2.086
2.084
2.082
2.08
2.078
2.076
2.074
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 76.97
Std Dev 108.2
40
20
0
−20
−40
pull1D
Entries 45
Mean −1.033
Std Dev 5.149
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

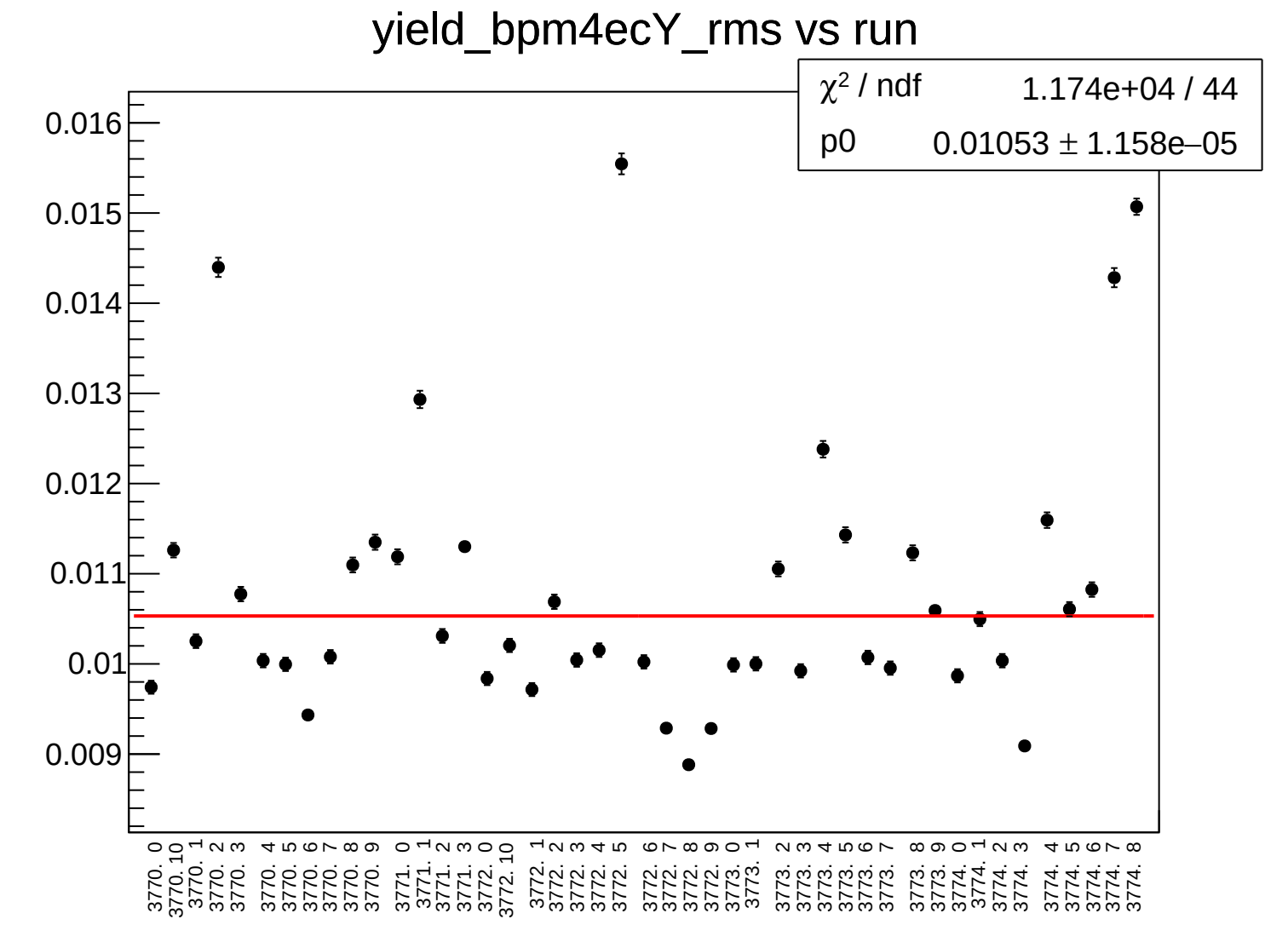

yield_bpm4acY_rms vs run
χ² / ndf 6320 / 44
p0 0.01409 ± 1.544e−05
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

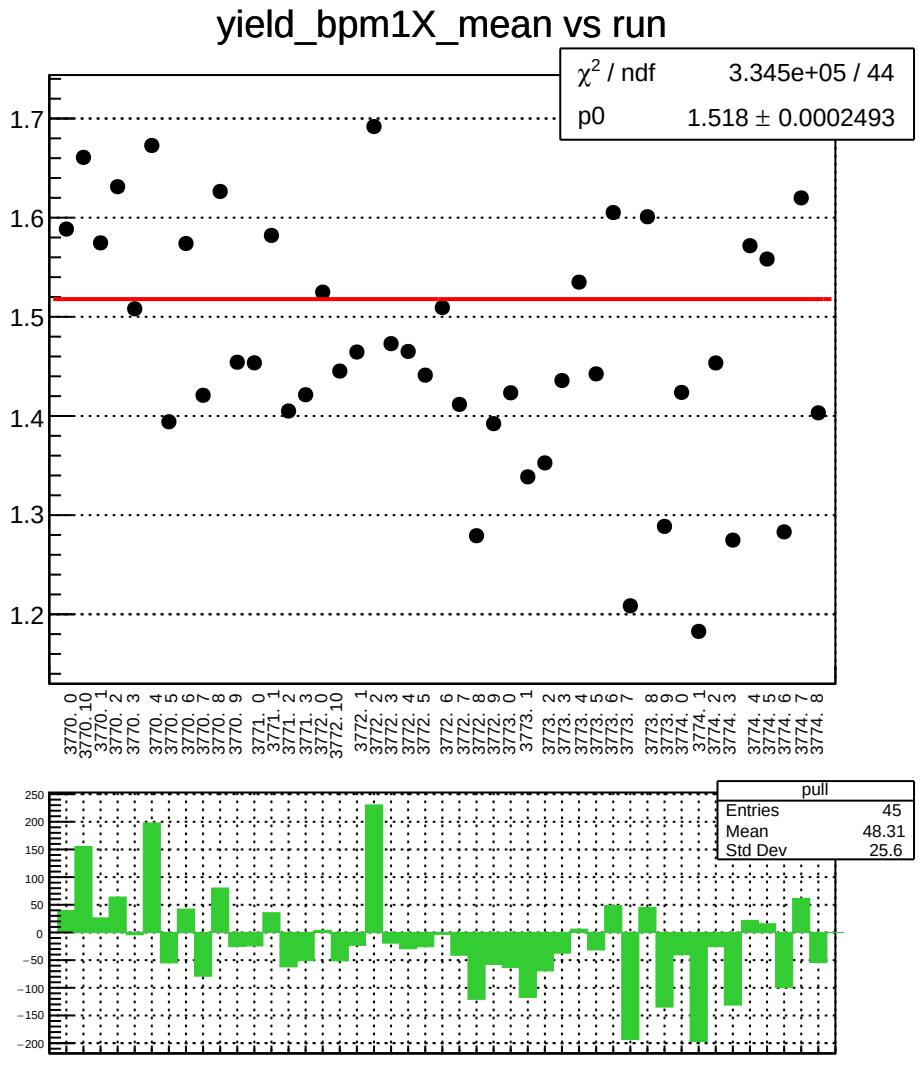

yield_bpm4ecX_mean vs run
χ² / ndf 2.339e+04 / 44
p0 0.3116 ± 4.01e−05
0.325
0.32
0.315
0.31
0.305
0.3
pull
Entries 45
Mean 2331
Std Dev 2311
40
30
20
10
0
−10
−20
−30

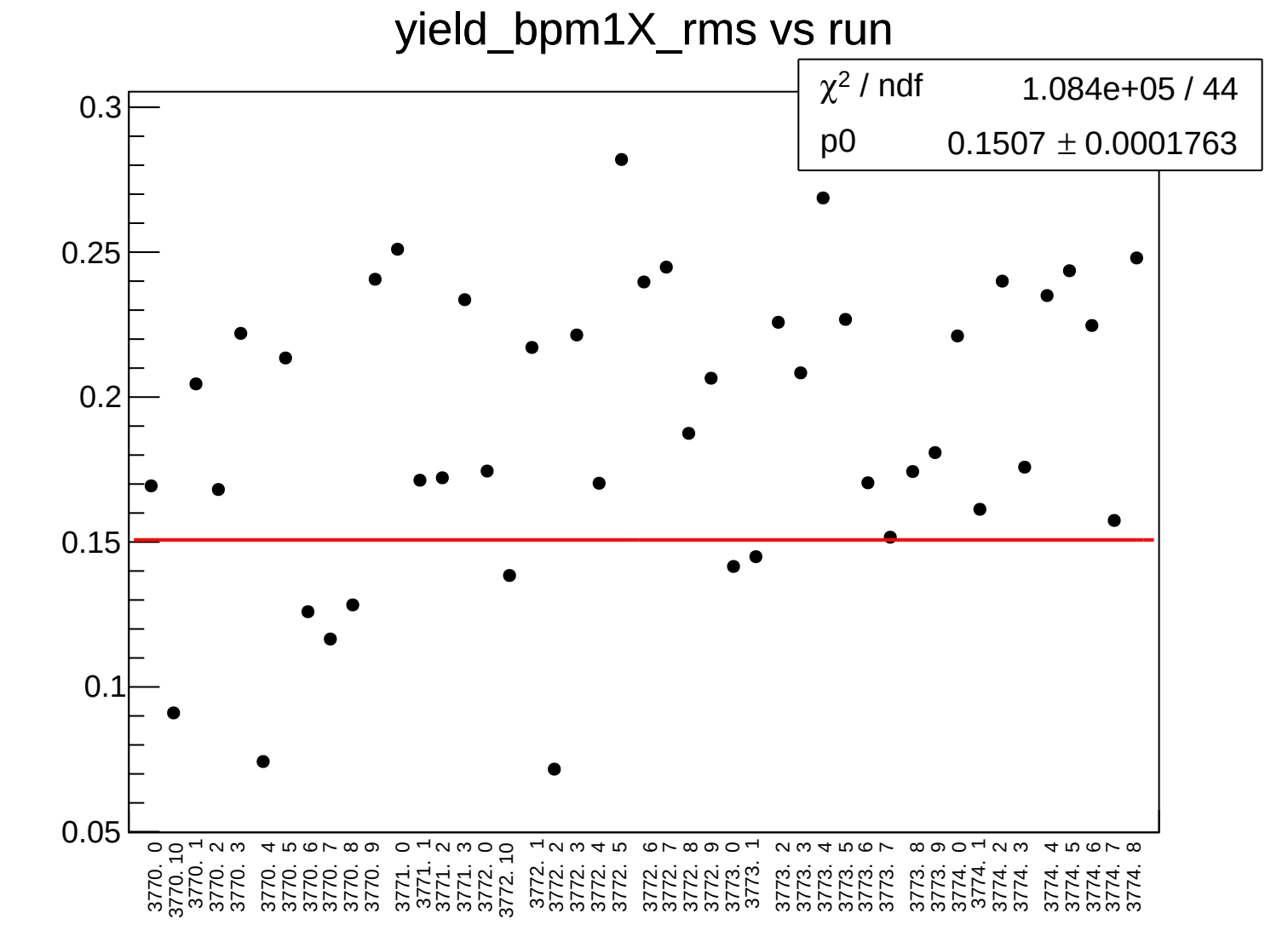

pull1D
Entries 45
Mean −1.319
Std Dev 4.415
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

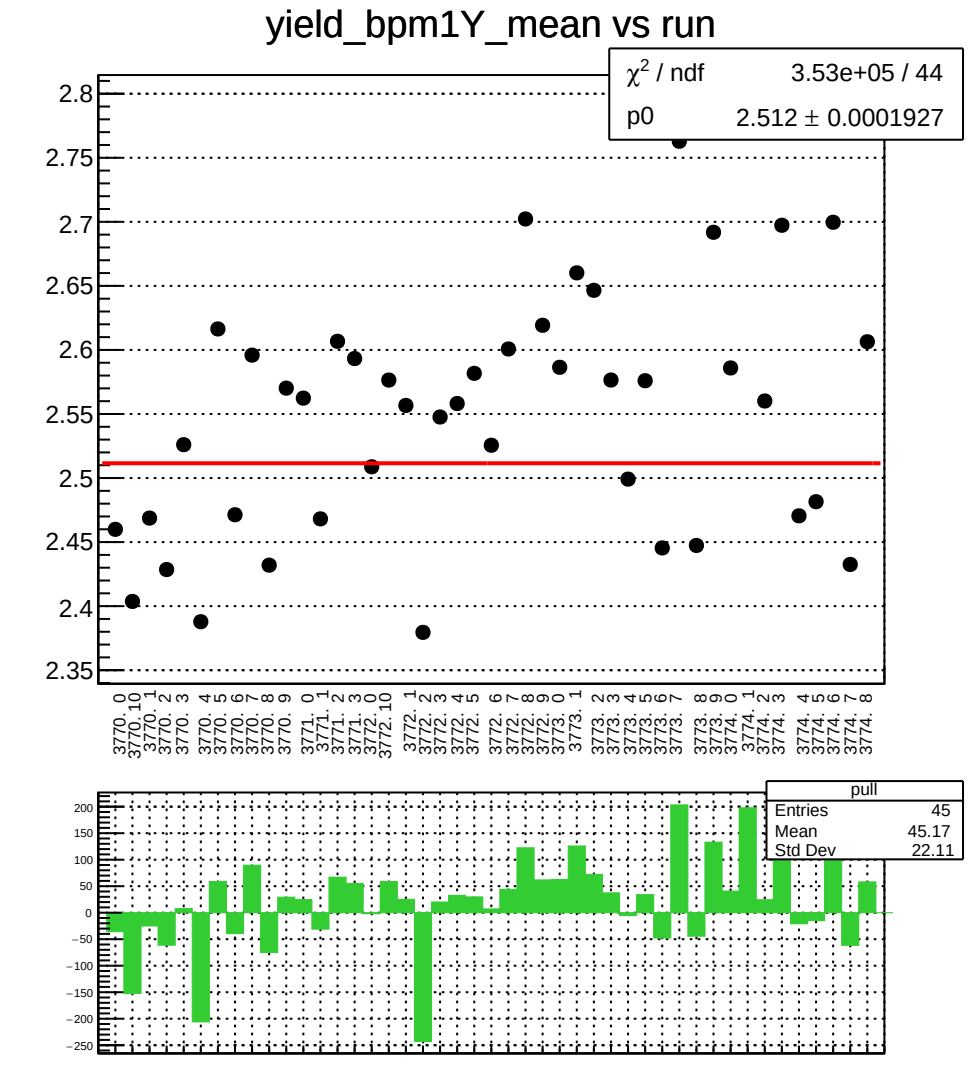

yield_bpm4ecX_rms vs run
χ² / ndf 6864 / 44
p0 0.02587 ± 2.835e–05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

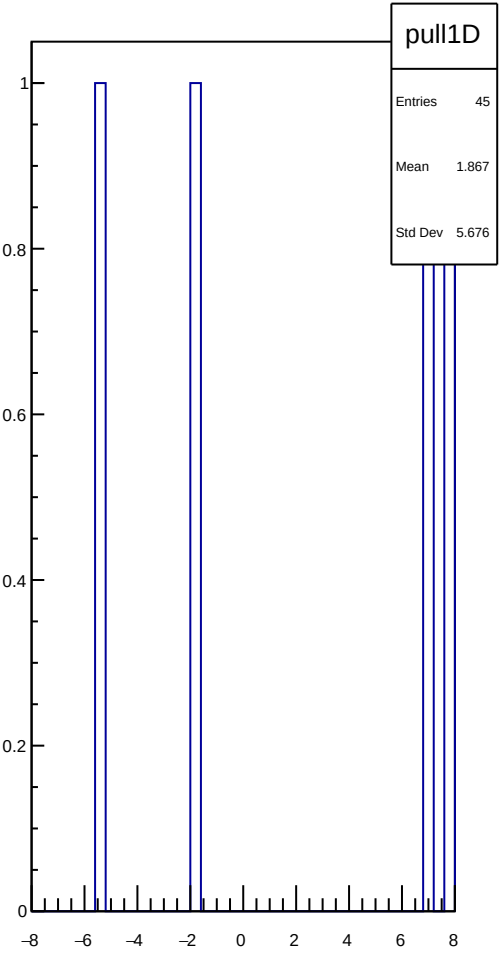

yield_bpm4ecY_mean vs run
χ² / ndf 1.42e+05 / 44
p0 1.275 ± 1.637e−05
1.285
1.28
1.275
1.27
1.265
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −116.2
Std Dev 134.4
100
50
0
−50
−100
pull1D
Entries 45
Mean 4.453
Std Dev 3.036
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

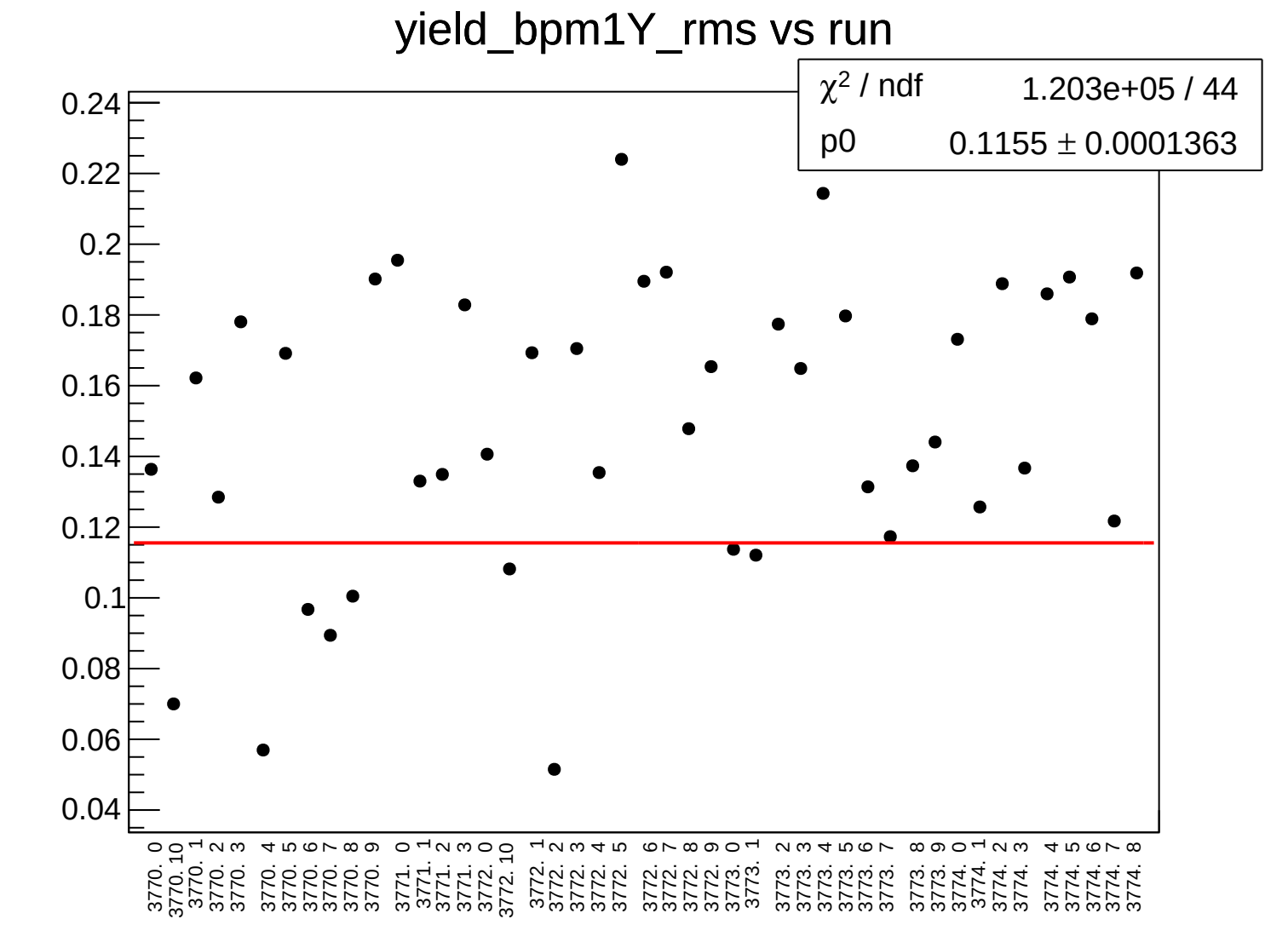

yield_bpm4ecY_rms vs run
χ² / ndf 1.174e+04 / 44
p0 0.01053 ± 1.158e–05
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


yield_bpm1X_mean vs run
χ² / ndf 3.345e+05 / 44
p0 1.518 ± 0.0002493
1.7
1.6
1.5
1.4
1.3
1.2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 48.31
Std Dev 25.6
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 45
Mean 0.576
Std Dev 4.43
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 1.084e+05 / 44
p0 0.1507 ± 0.0001763
0.3
0.25
0.2
0.15
0.1
0.05
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8


yield_bpm1Y_mean vs run
χ² / ndf 3.53e+05 / 44
p0 2.512 ± 0.0001927
pull
Entries 45
Mean 45.17
Std Dev 22.11


pull1D
Entries 45
Mean 1.867
Std Dev 5.676


yield_bpm1Y_rms vs run
χ² / ndf 1.203e+05 / 44
p0 0.1155 ± 0.0001363
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
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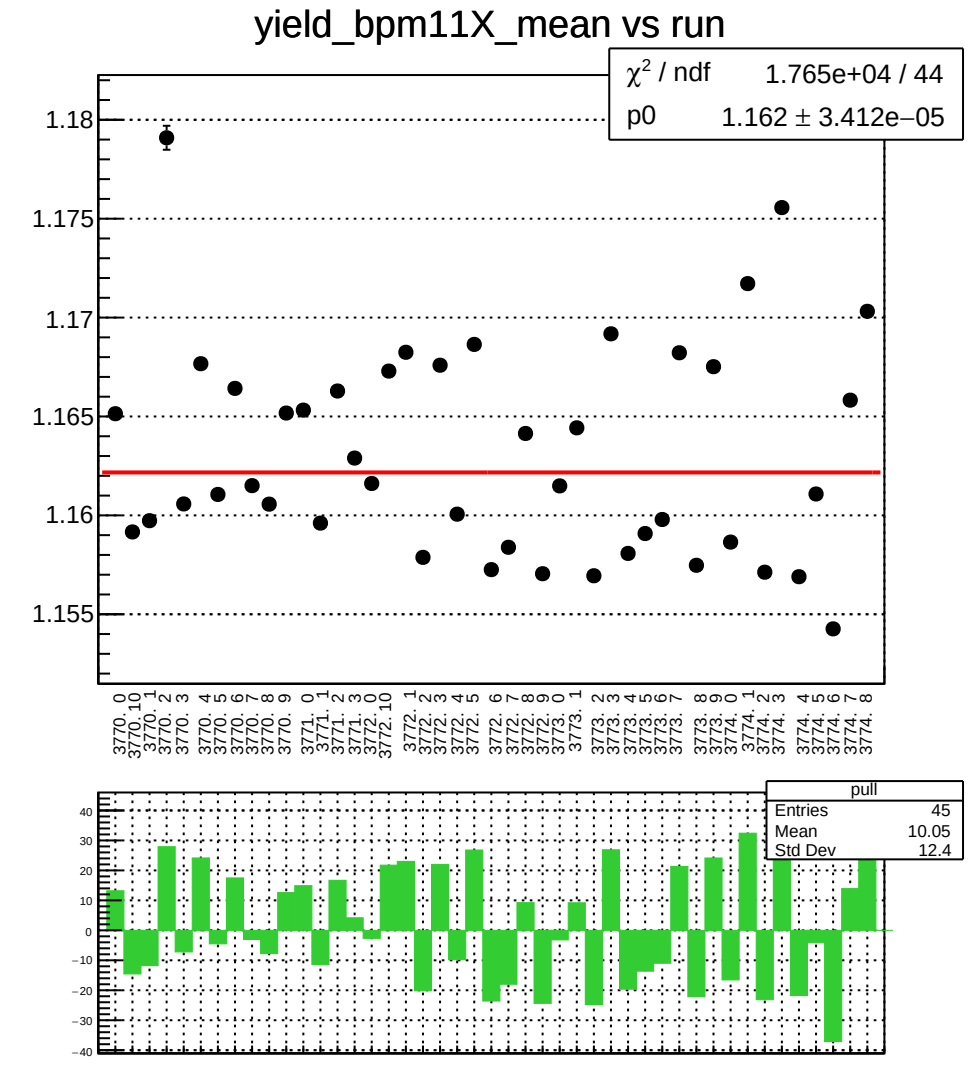
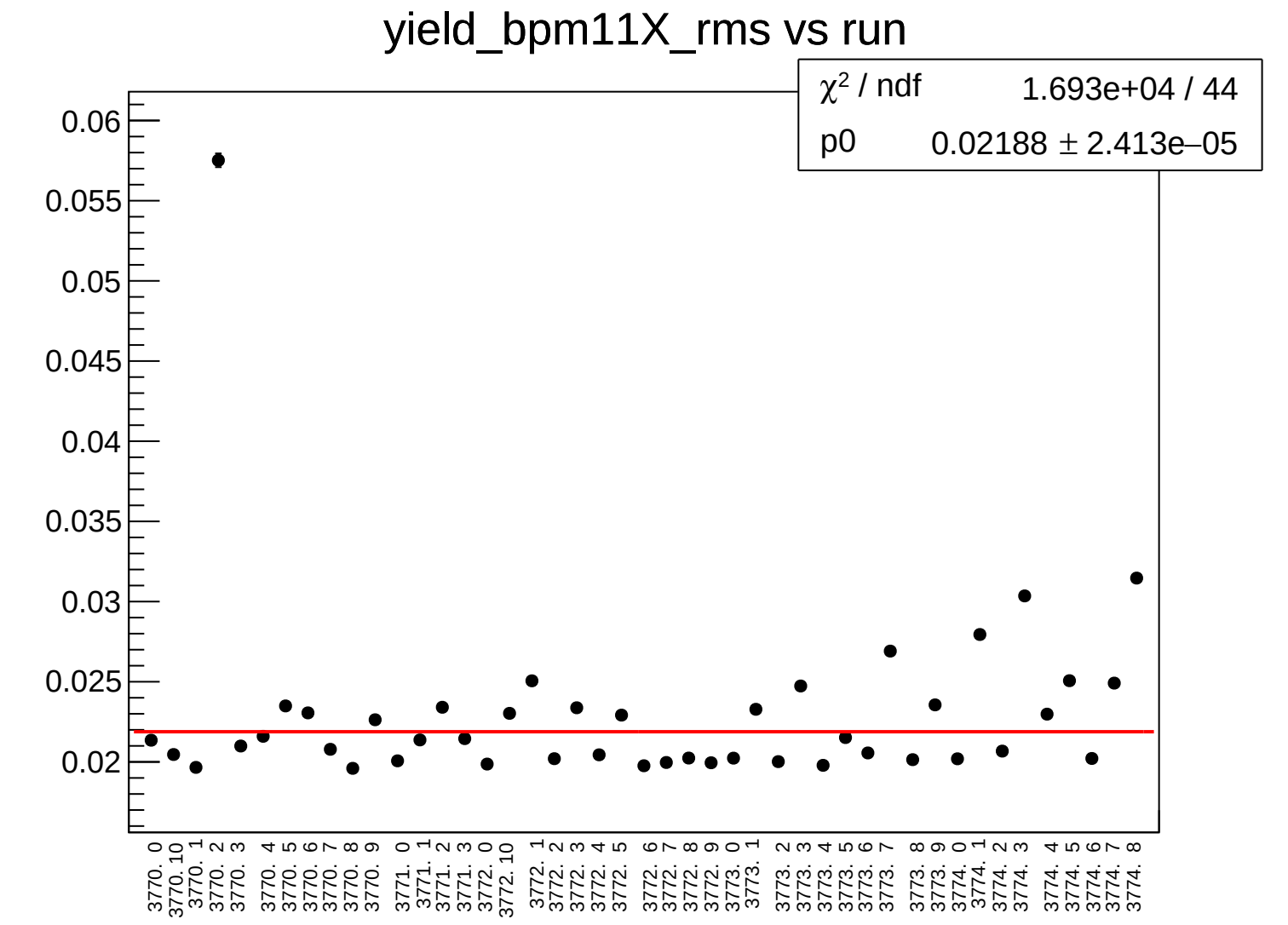
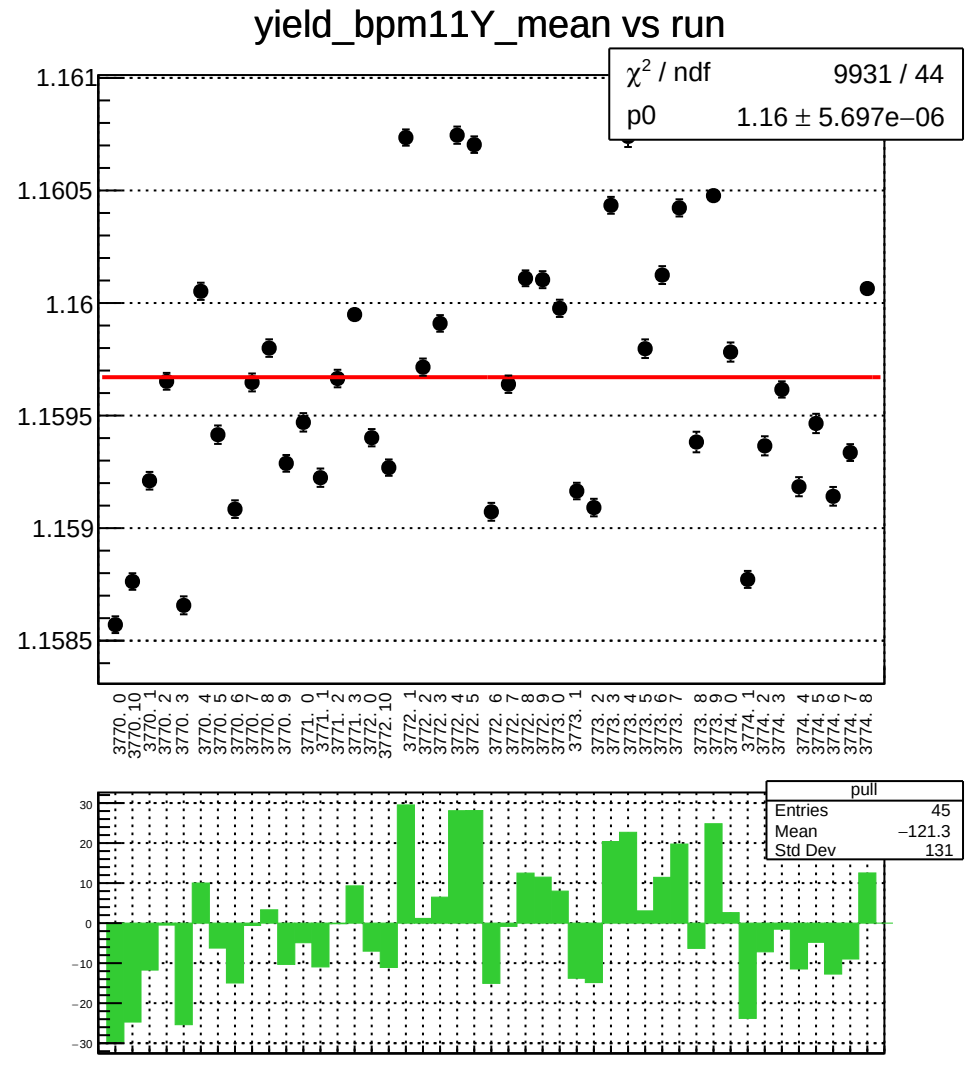
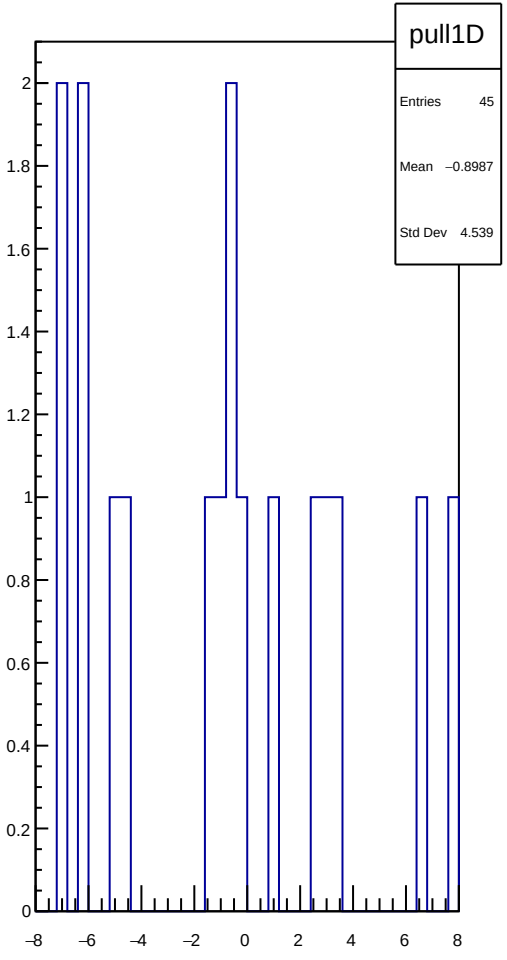
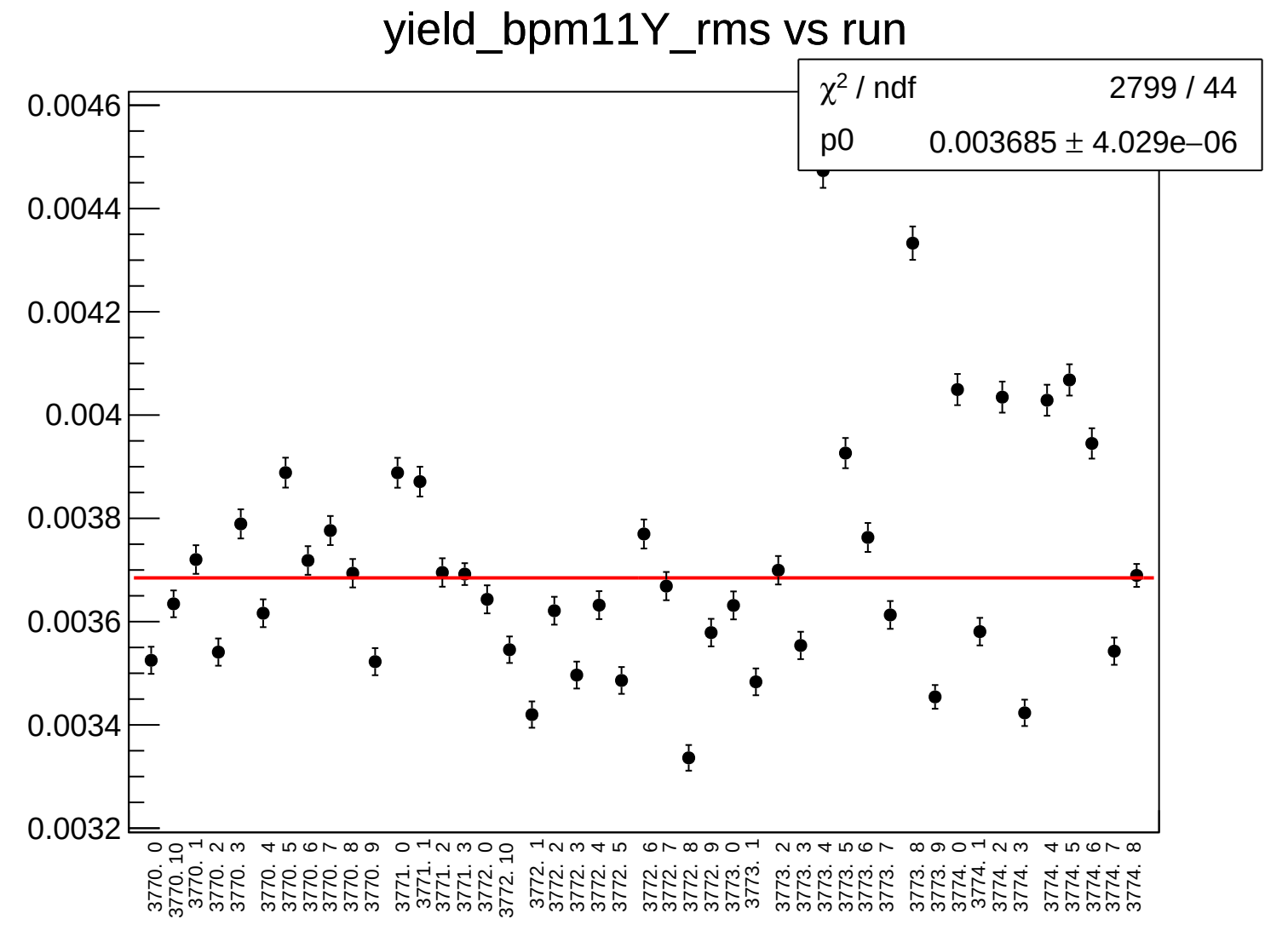
3774. 8

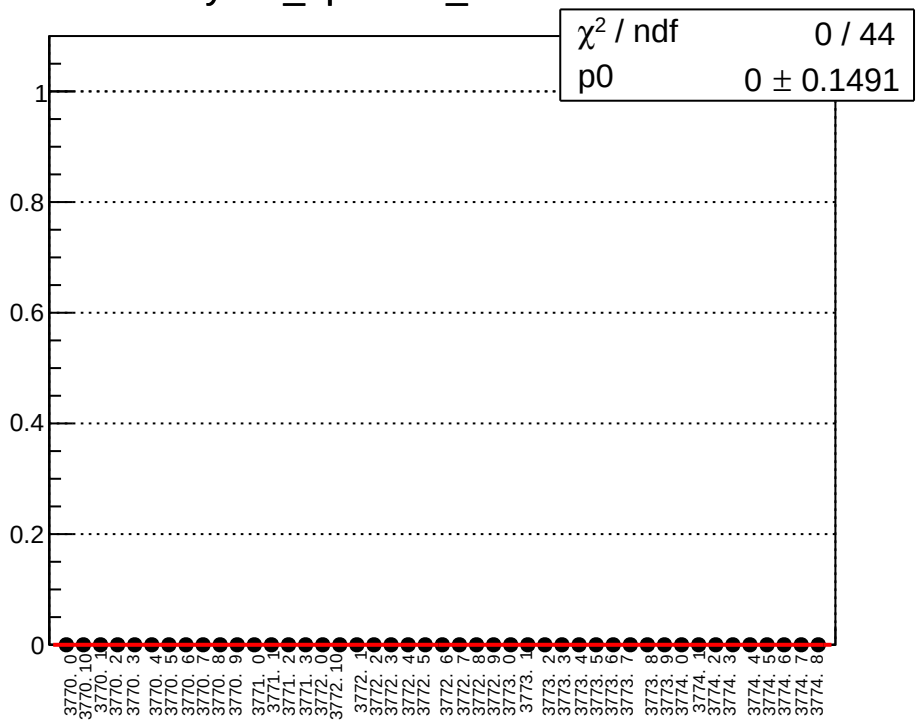

yield_bpm11X_mean vs run
χ² / ndf 1.765e+04 / 44
p0 1.162 ± 3.412e−05
1.18
1.175
1.17
1.165
1.16
1.155
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 10.05
Std Dev 12.4
40
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 45
Mean −3.539
Std Dev 3.414
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

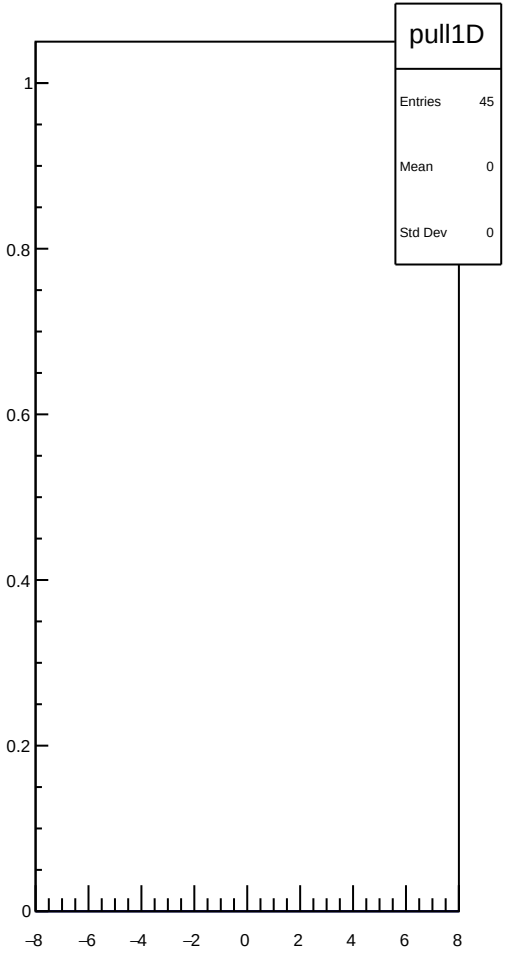

yield_bpm11X_rms vs run
χ² / ndf 1.693e+04 / 44
p0 0.02188 ± 2.413e–05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

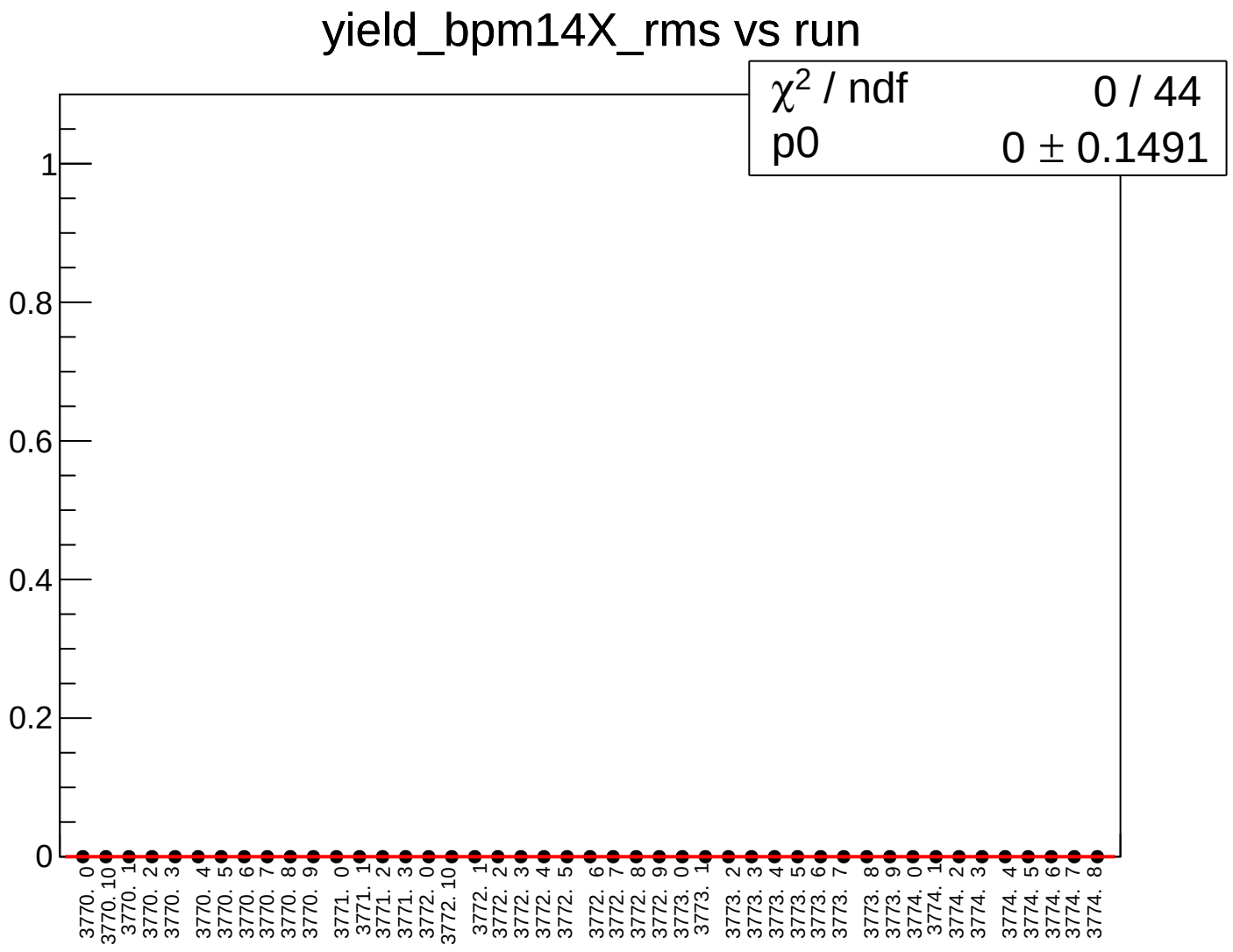

yield_bpm11Y_mean vs run
χ² / ndf 9931 / 44
p0 1.16 ± 5.697e−06
1.161
1.1605
1.16
1.1595
1.159
1.1585
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −121.3
Std Dev 131
30
20
10
0
−10
−20
−30

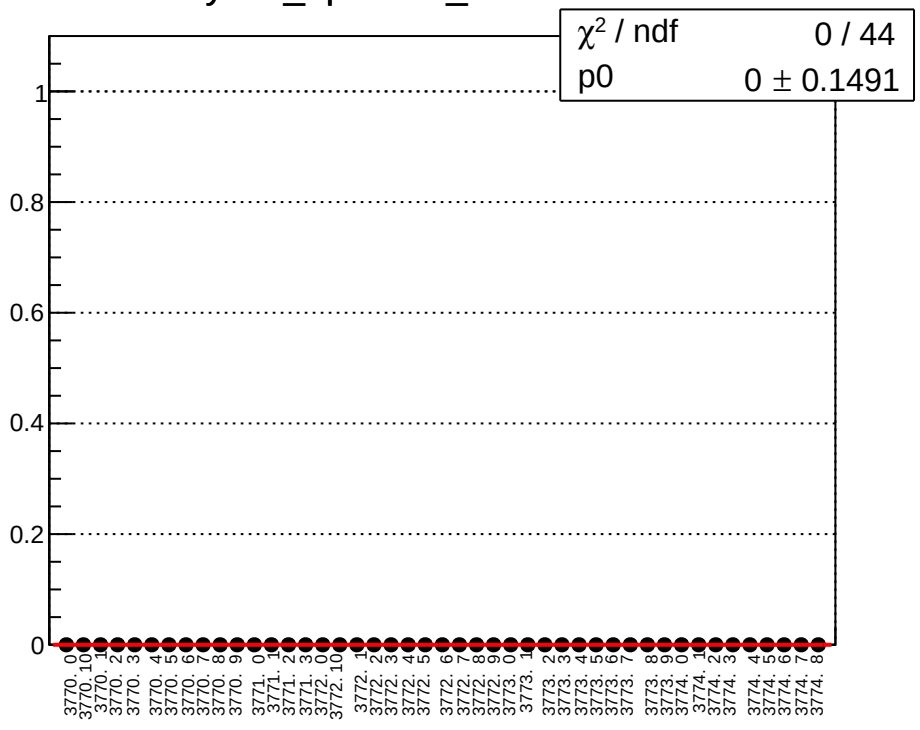

pull1D
Entries 45
Mean −0.8987
Std Dev 4.539
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

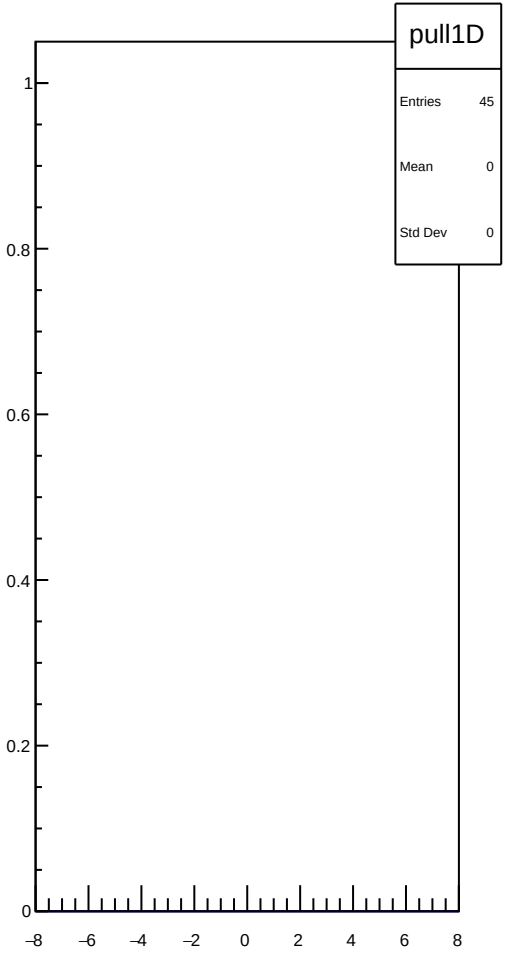

yield_bpm11Y_rms vs run
χ² / ndf 2799 / 44
p0 0.003685 ± 4.029e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

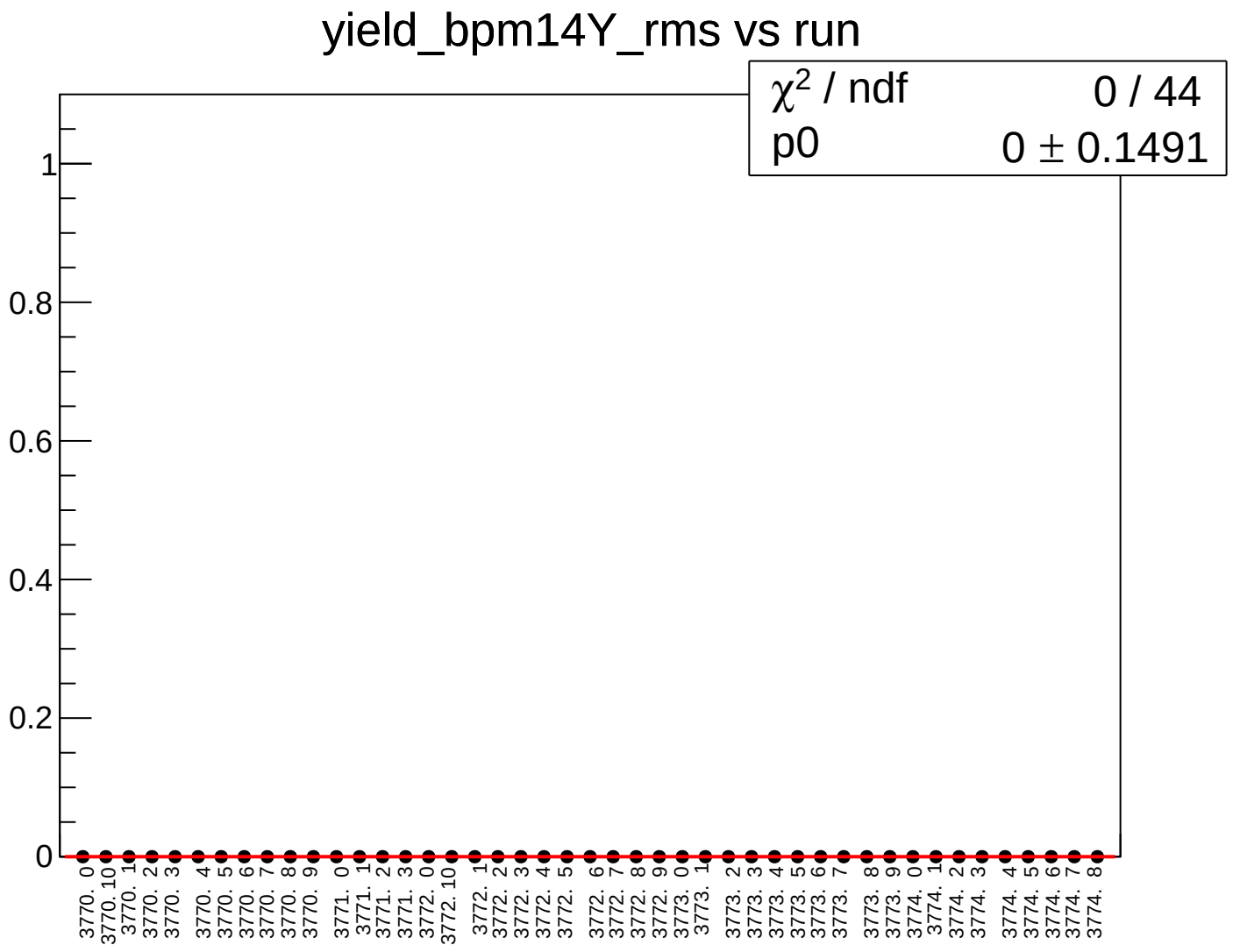

yield_bpm14X_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

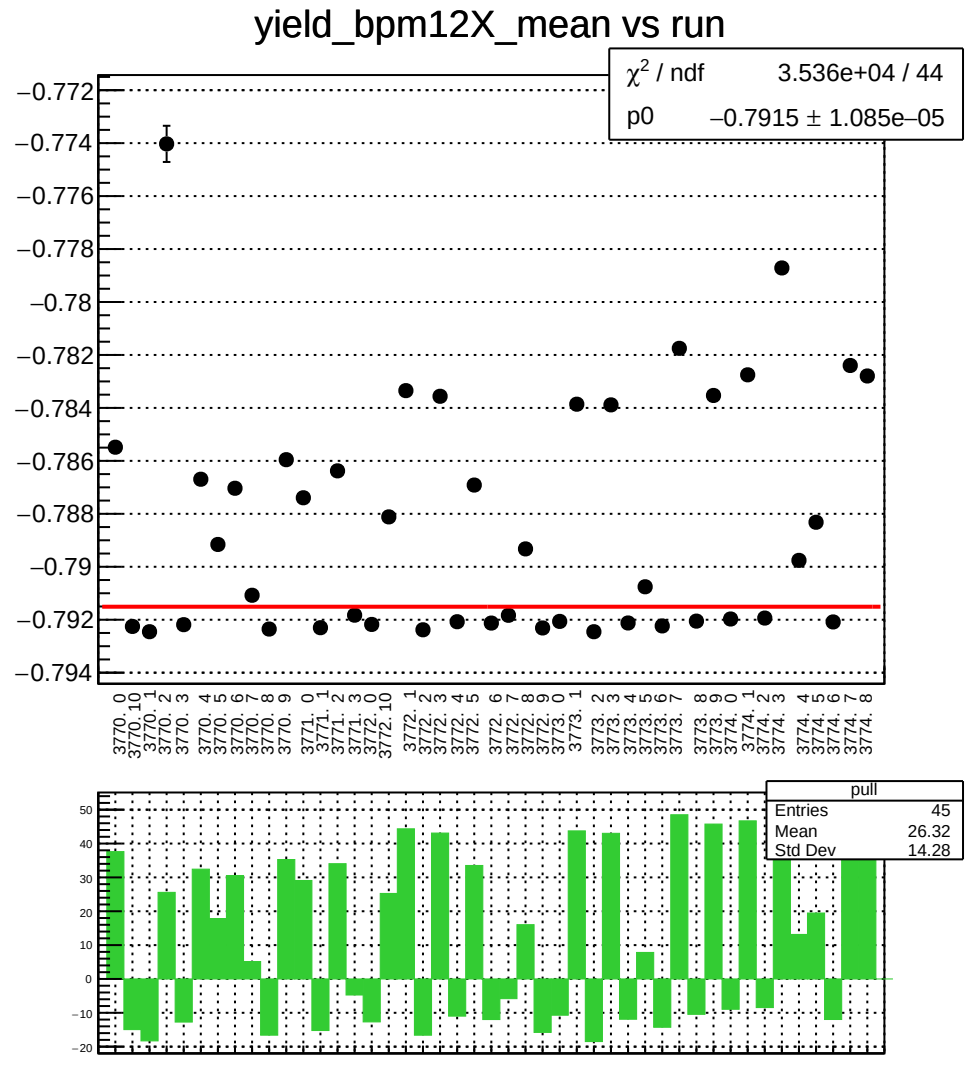

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

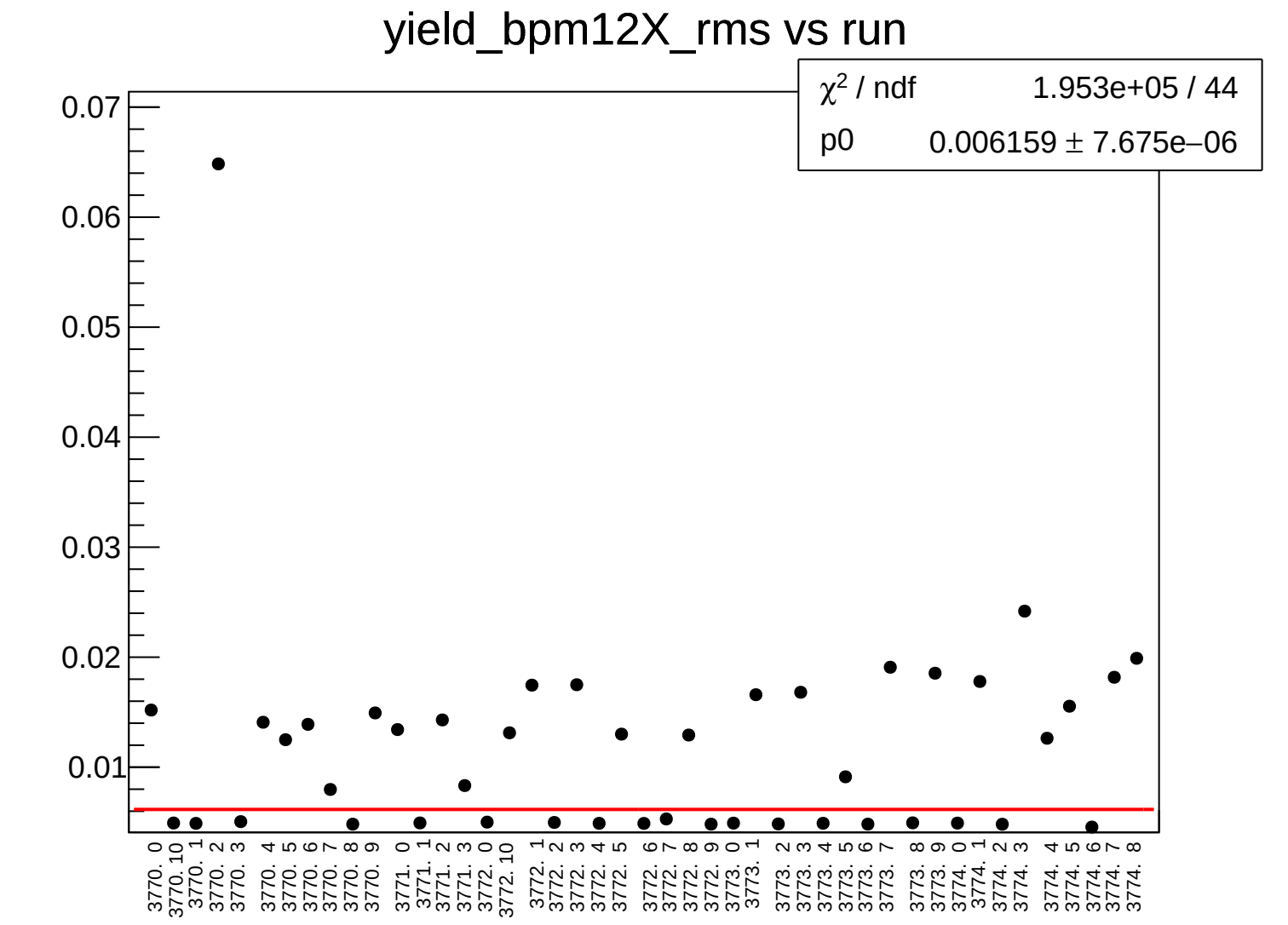

yield_bpm14X_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

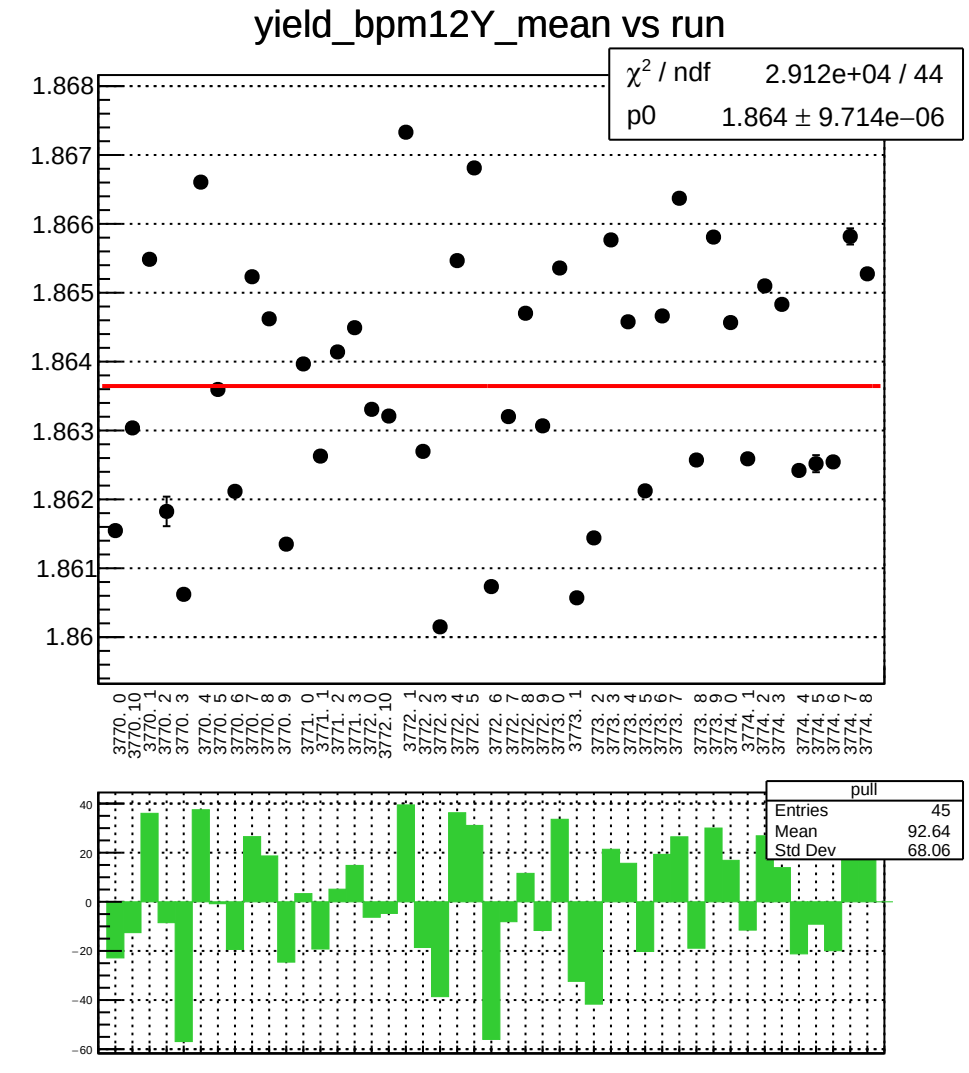

yield_bpm14Y_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

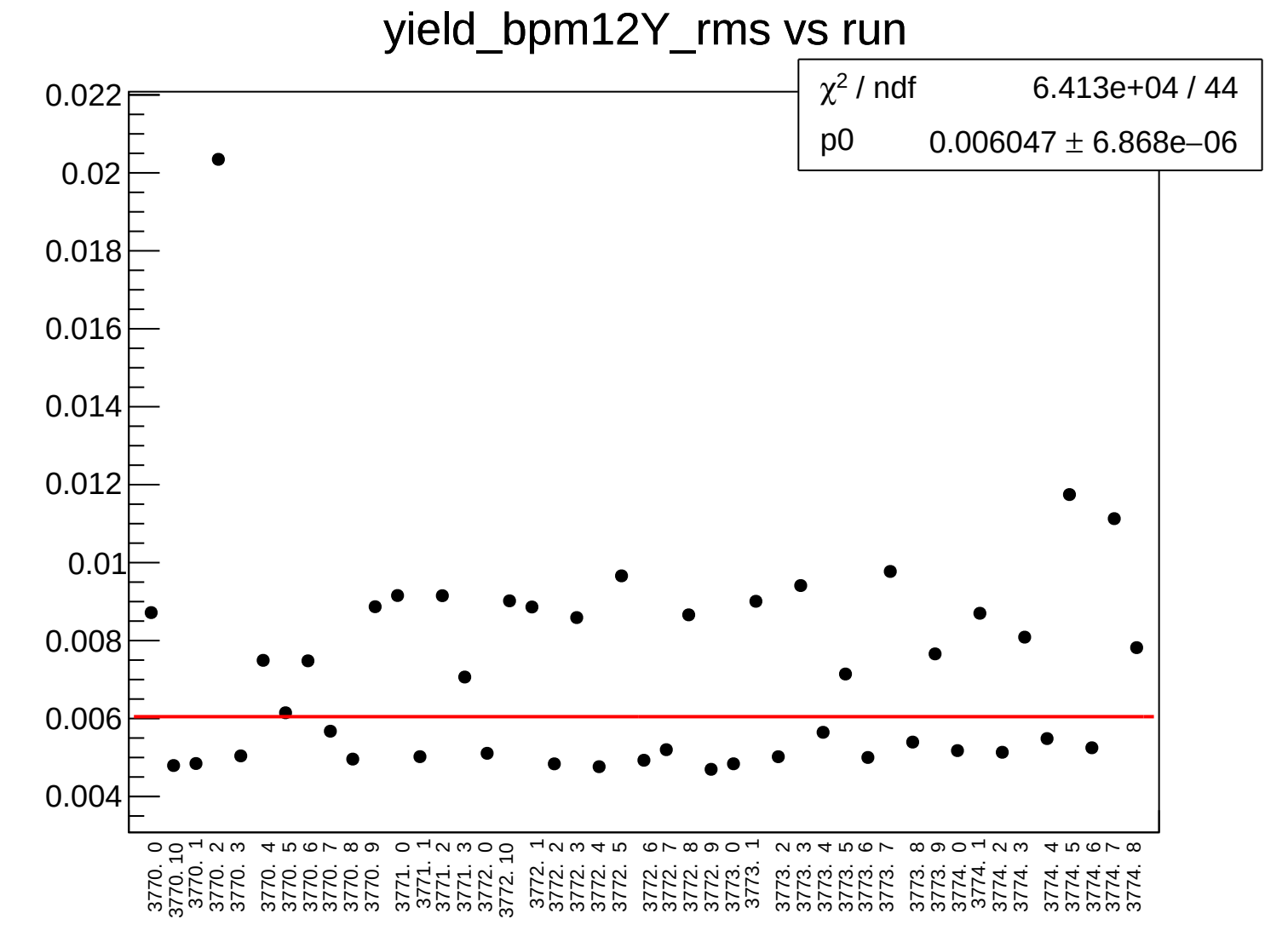

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

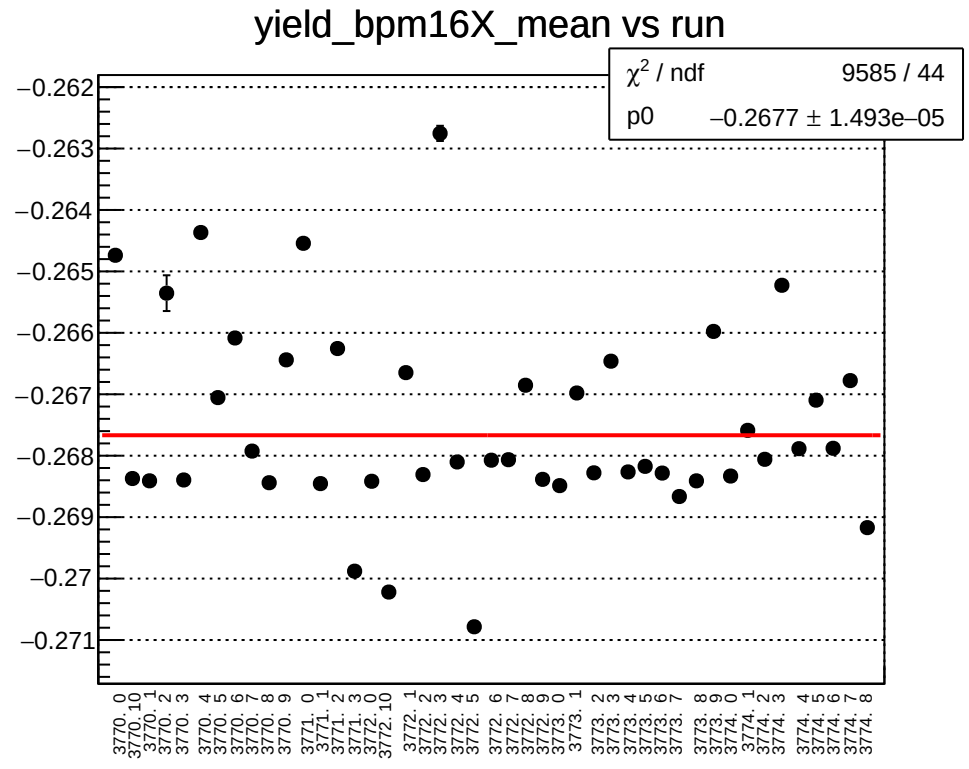

yield_bpm14Y_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

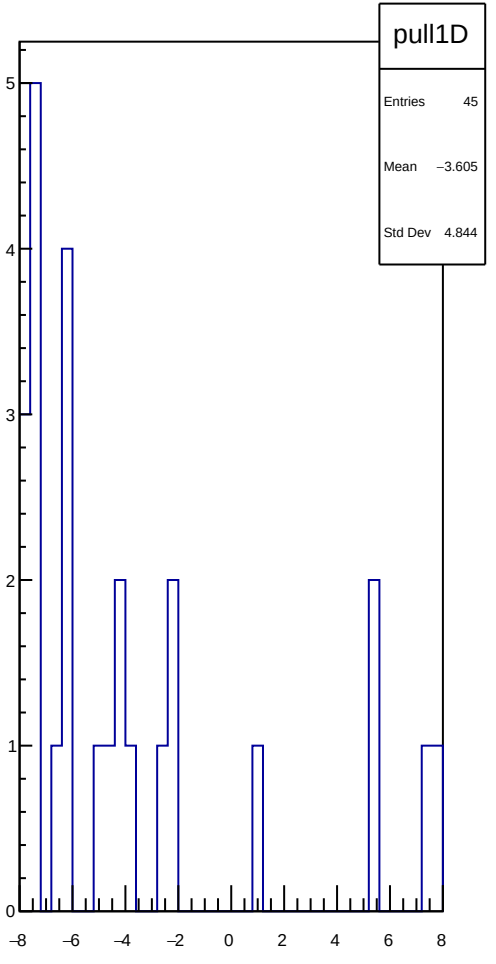

yield_bpm12X_mean vs run
χ² / ndf 3.536e+04 / 44
p0 −0.7915 ± 1.085e−05
−0.772
−0.774
−0.776
−0.778
−0.78
−0.782
−0.784
−0.786
−0.788
−0.79
−0.792
−0.794
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 26.32
Std Dev 14.28
50
40
30
20
10
0
−10
−20
pull1D
Entries 45
Mean 0.6056
Std Dev 5.968
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

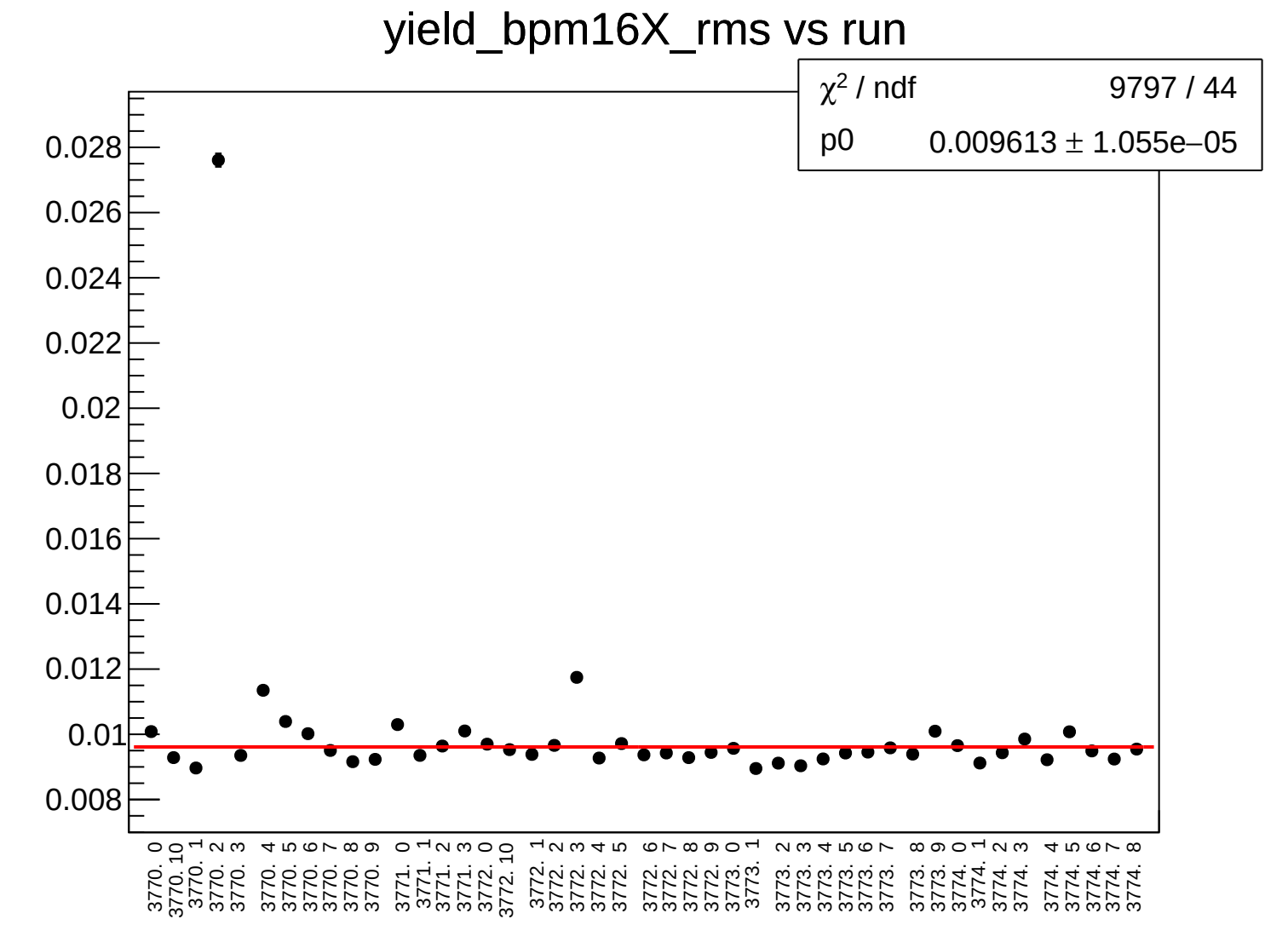

yield_bpm12X_rms vs run
χ² / ndf 1.953e+05 / 44
p0 0.006159 ± 7.675e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

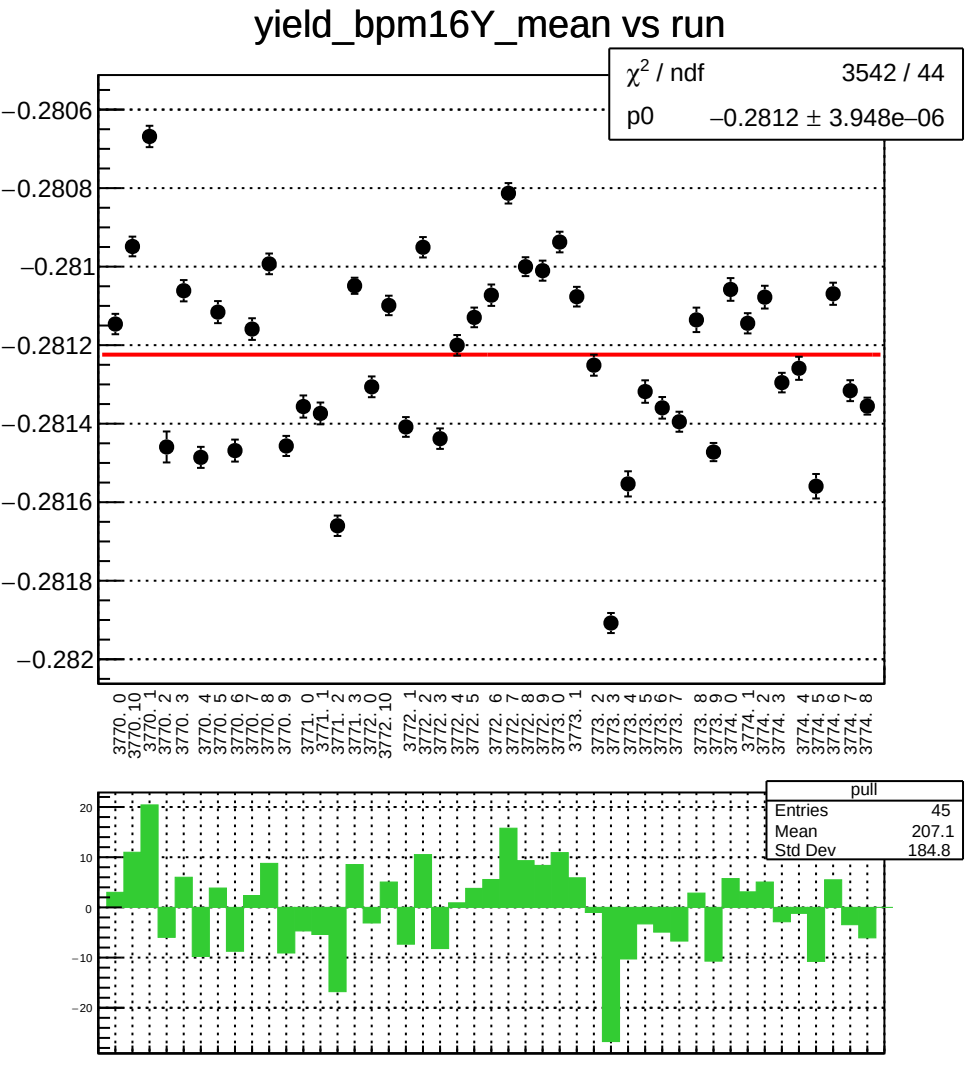

yield_bpm12Y_mean vs run
χ² / ndf 2.912e+04 / 44
p0 1.864 ± 9.714e−06
1.868
1.867
1.866
1.865
1.864
1.863
1.862
1.861
1.86
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 92.64
Std Dev 68.06
40
20
0
−20
−40
−60
pull1D
Entries 45
Mean −0.6611
Std Dev 4.416
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

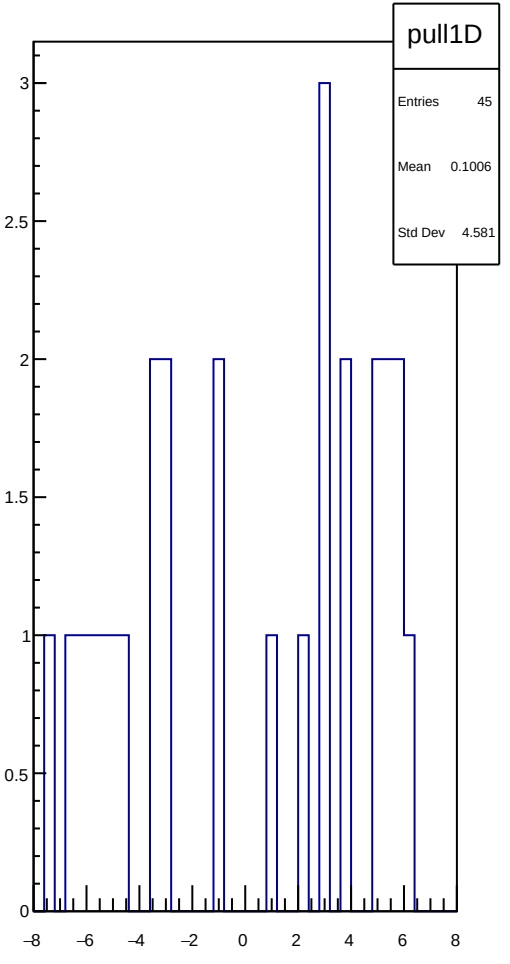

yield_bpm12Y_rms vs run
χ² / ndf 6.413e+04 / 44
p0 0.006047 ± 6.868e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

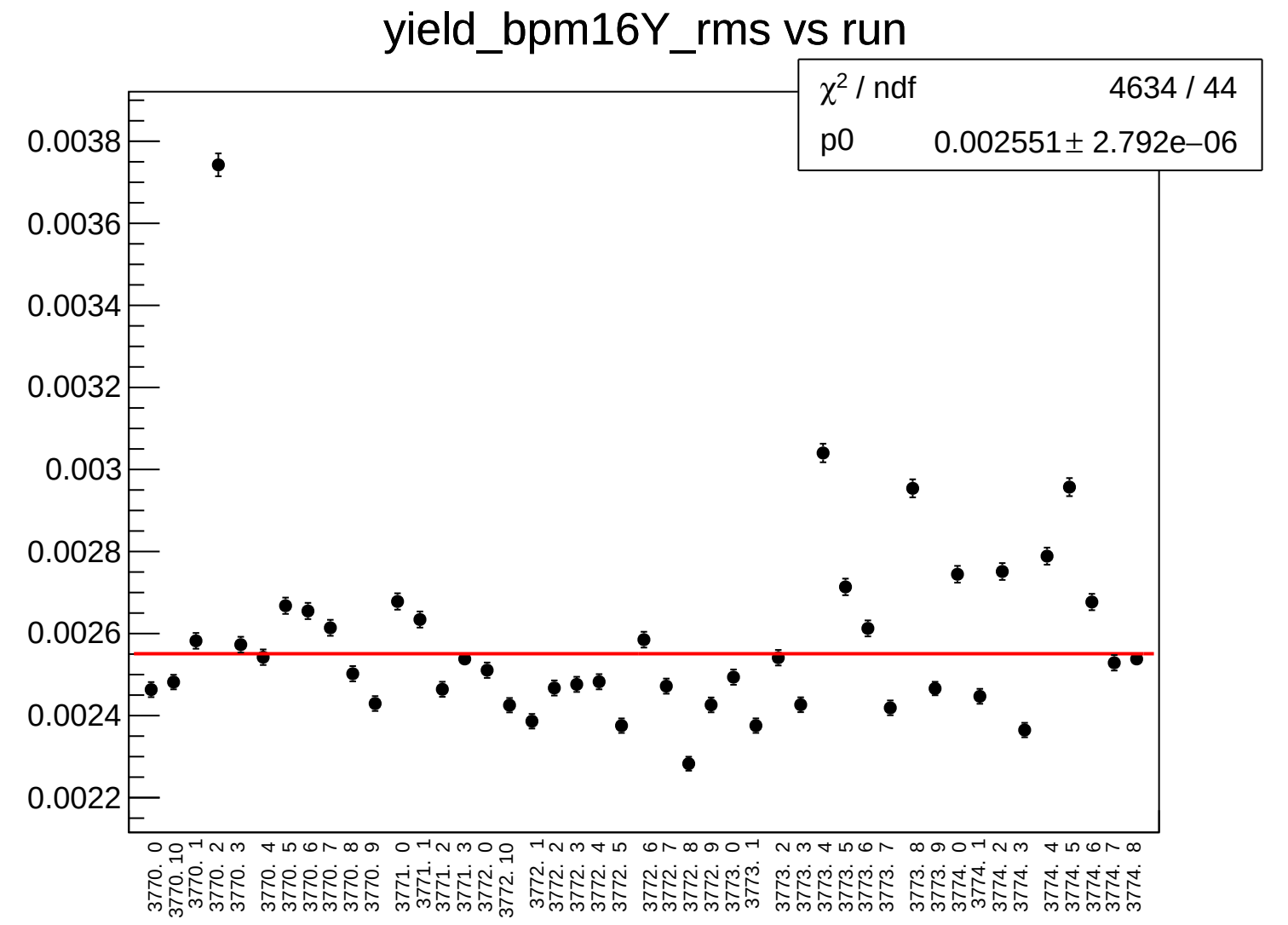

yield_bpm16X_mean vs run
χ² / ndf 9585 / 44
p0 −0.2677 ± 1.493e−05
−0.262
−0.263
−0.264
−0.265
−0.266
−0.267
−0.268
−0.269
−0.27
−0.271
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −12.8
Std Dev 24.56
40
30
20
10
0
−10
−20
−30

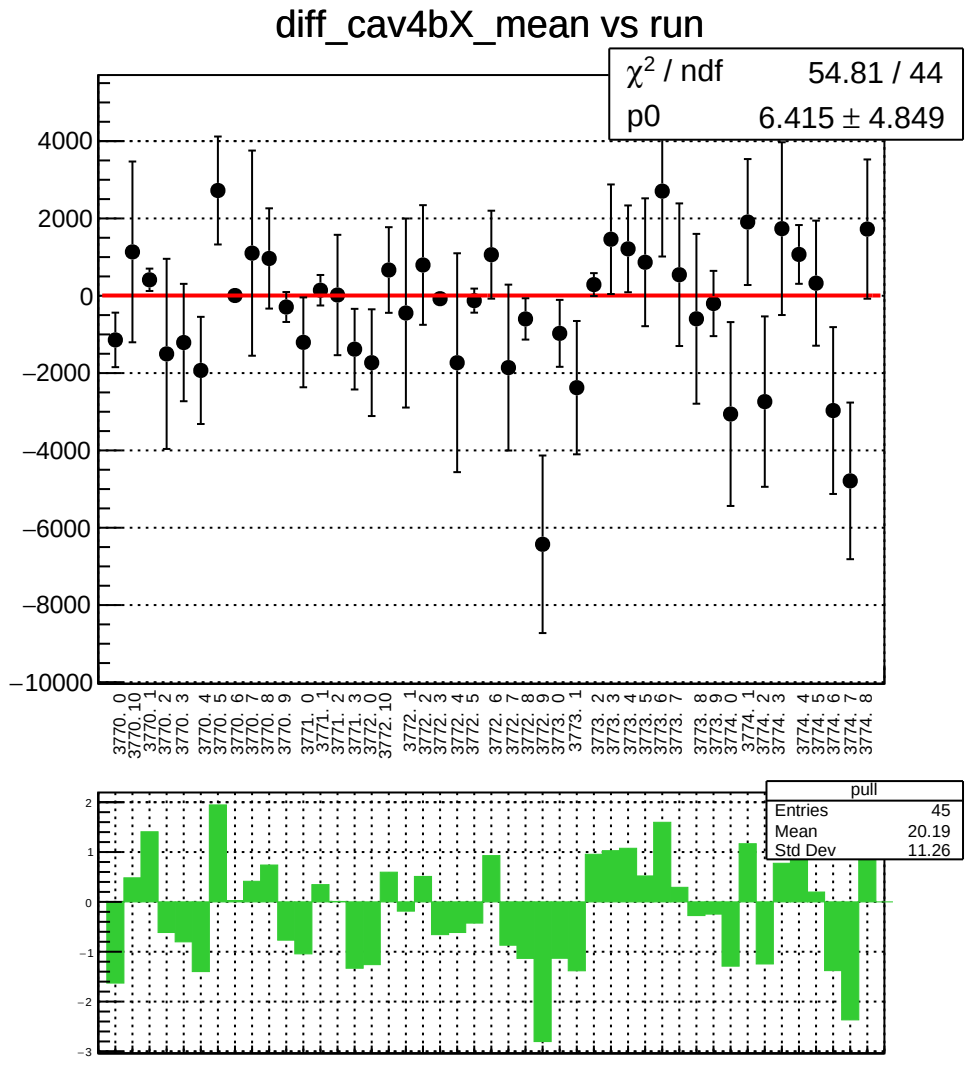

pull1D
Entries 45
Mean −3.605
Std Dev 4.844
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

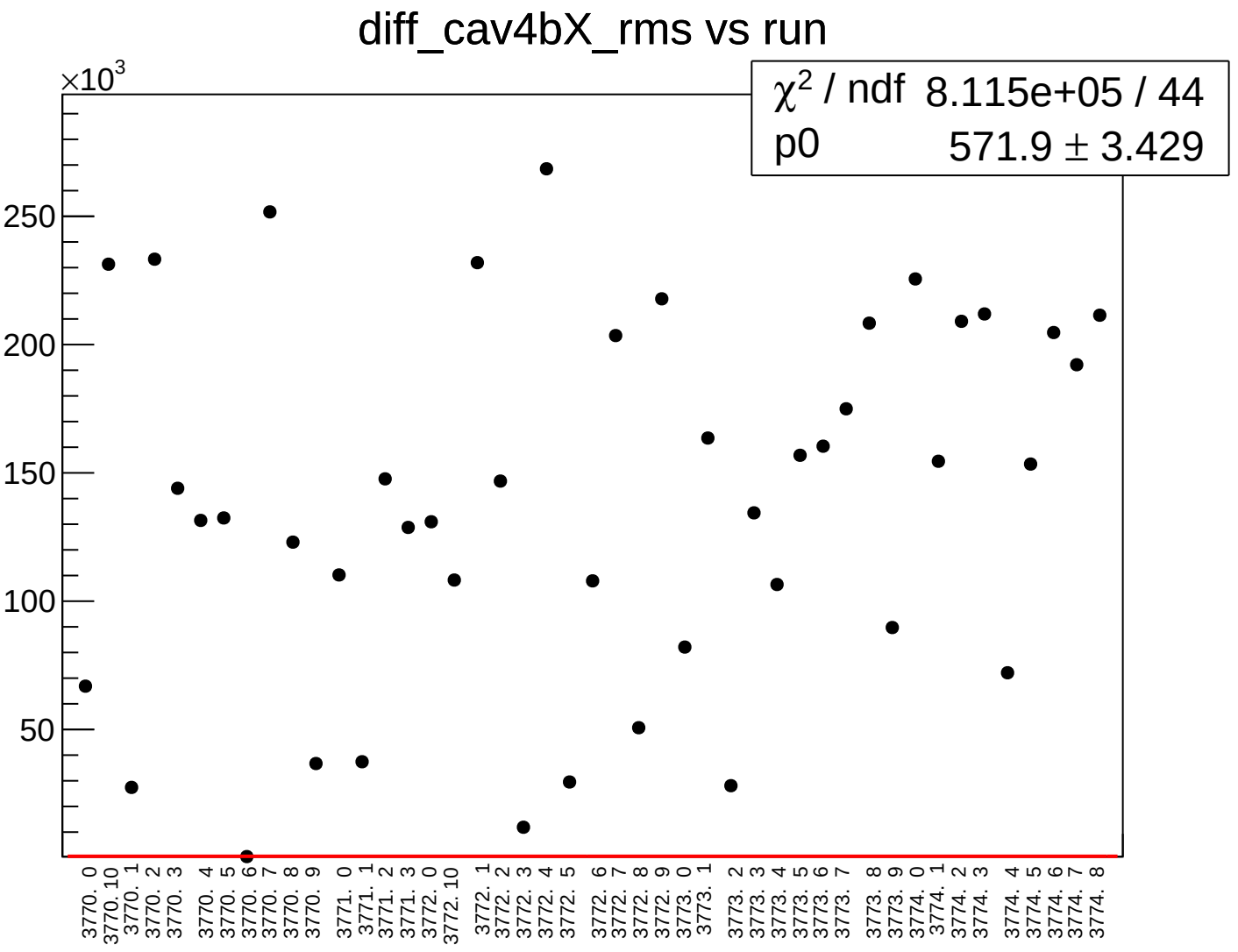

yield_bpm16X_rms vs run
χ² / ndf 9797 / 44
p0 0.009613 ± 1.055e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

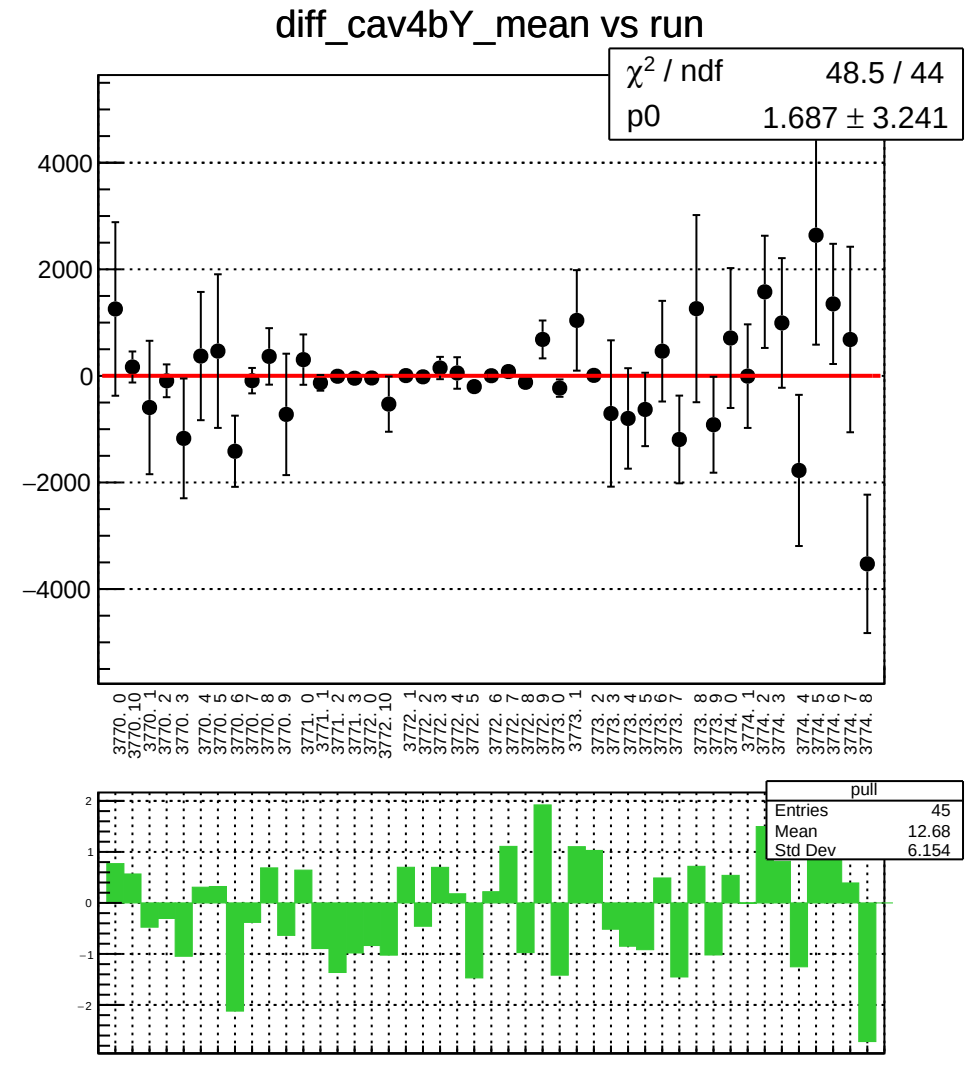

yield_bpm16Y_mean vs run
χ² / ndf 3542 / 44
p0 −0.2812 ± 3.948e−06
−0.2806
−0.2808
−0.281
−0.2812
−0.2814
−0.2816
−0.2818
−0.282
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 207.1
Std Dev 184.8
20
10
0
−10
−20

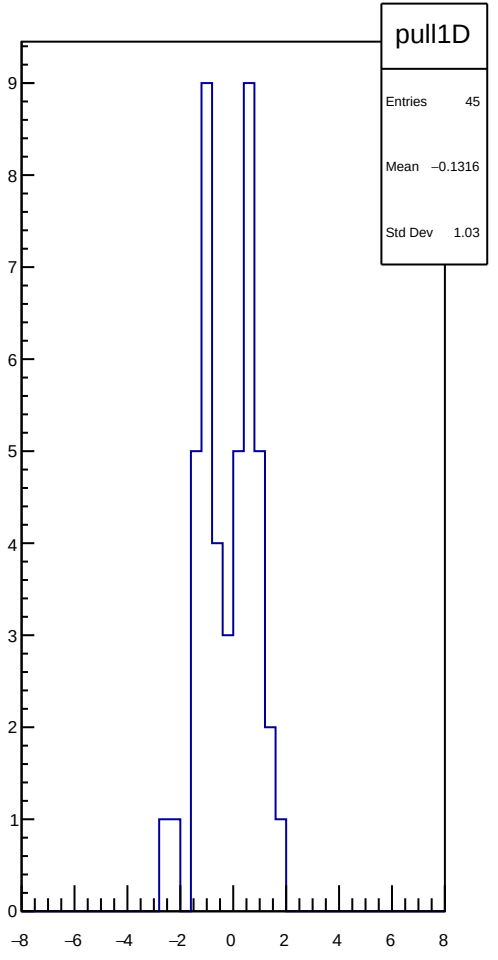

pull1D
Entries 45
Mean 0.1006
Std Dev 4.581
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

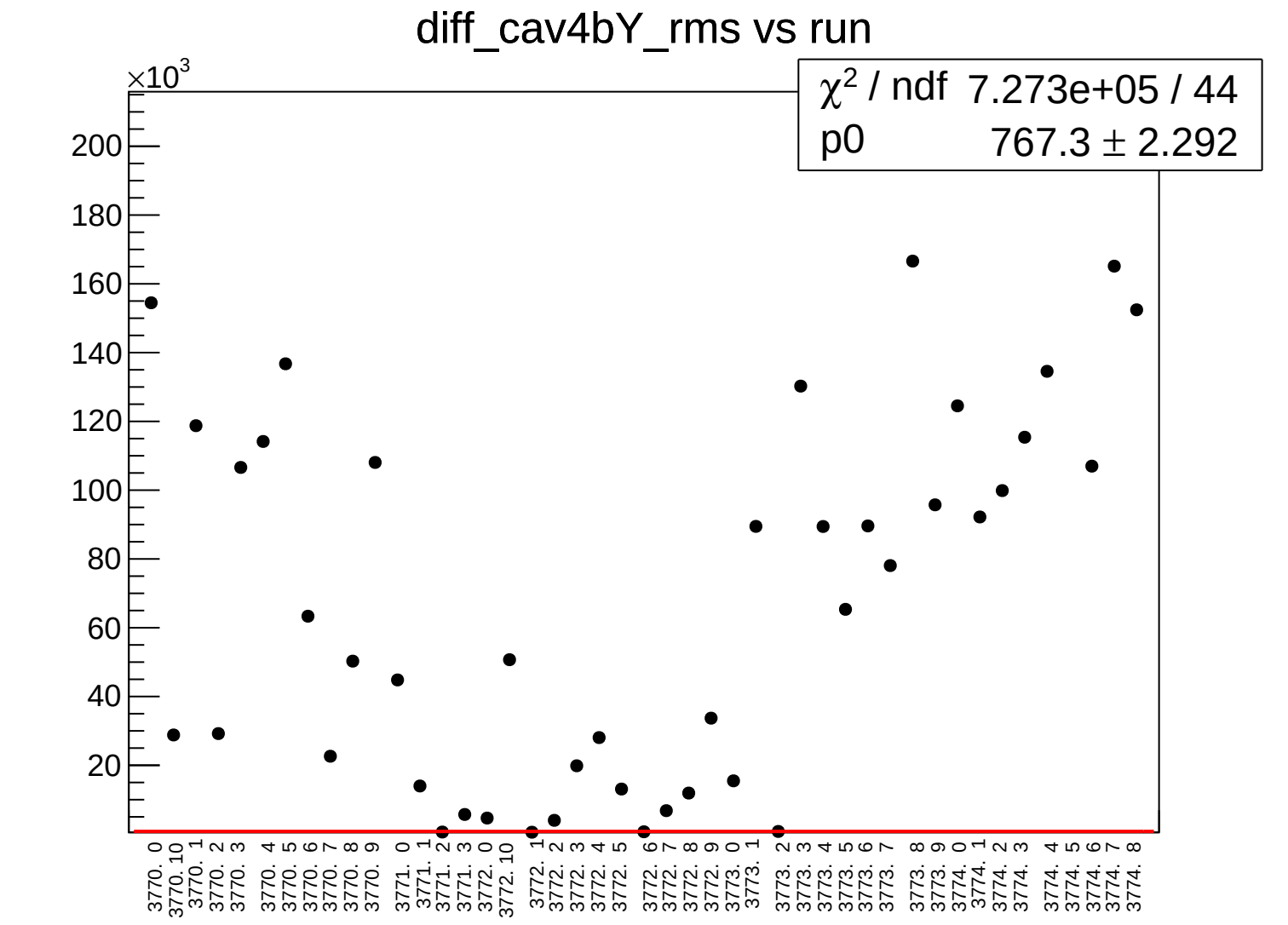

yield_bpm16Y_rms vs run
χ² / ndf 4634 / 44
p0 0.002551 ± 2.792e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

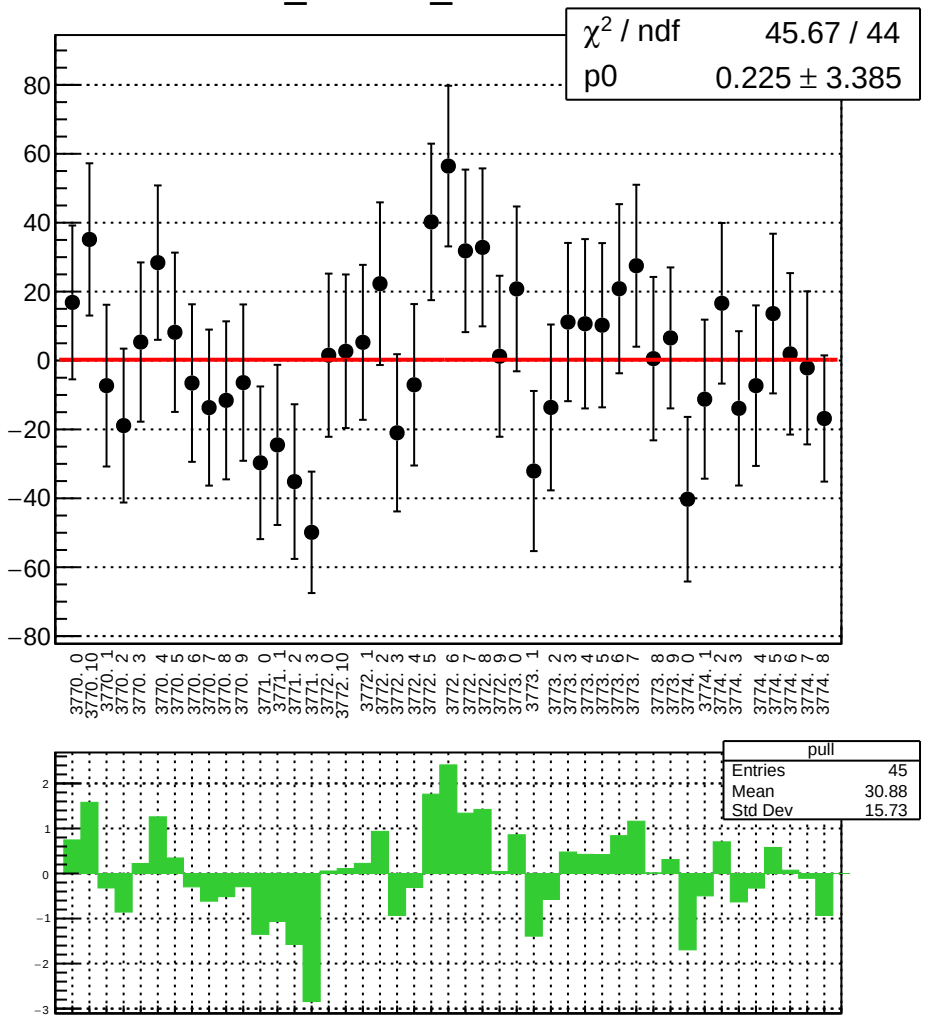

diff_cav4bX_mean vs run
χ² / ndf 54.81 / 44
p0 6.415 ± 4.849
4000
2000
0
−2000
−4000
−6000
−8000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 20.19
Std Dev 11.26
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.1662
Std Dev 1.091
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

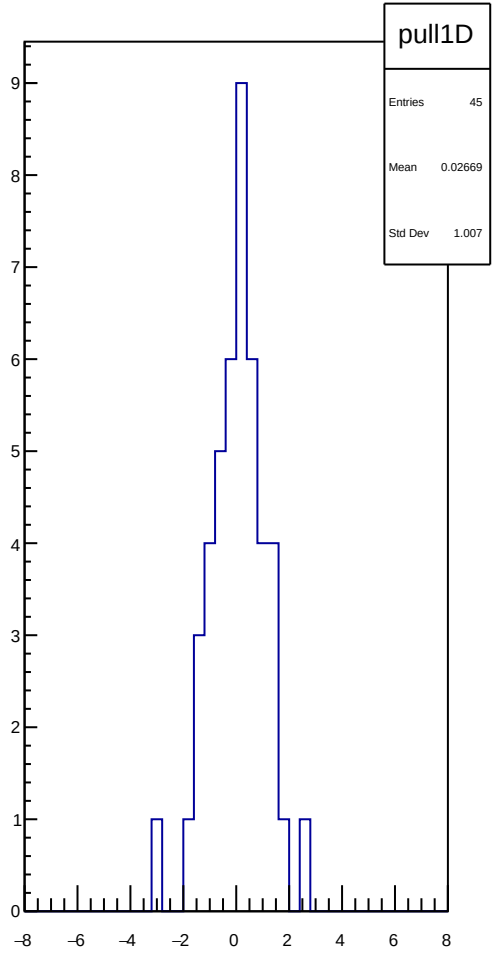

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 8.115e+05 / 44
p0 571.9 ± 3.429
250
200
150
100
50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

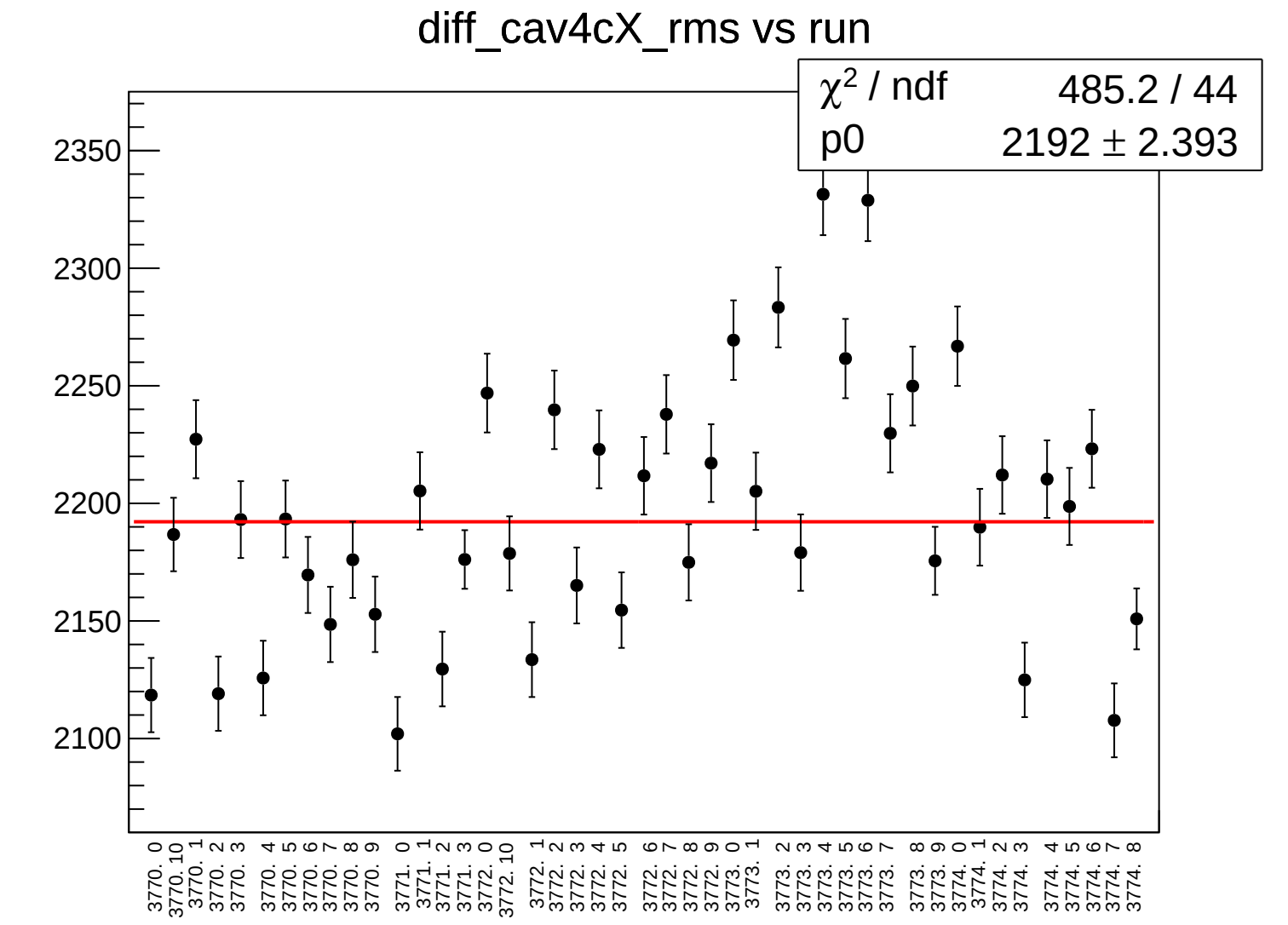

diff_cav4bY_mean vs run
χ² / ndf 48.5 / 44
p0 1.687 ± 3.241
4000
2000
0
−2000
−4000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 12.68
Std Dev 6.154
2
1
0
−1
−2

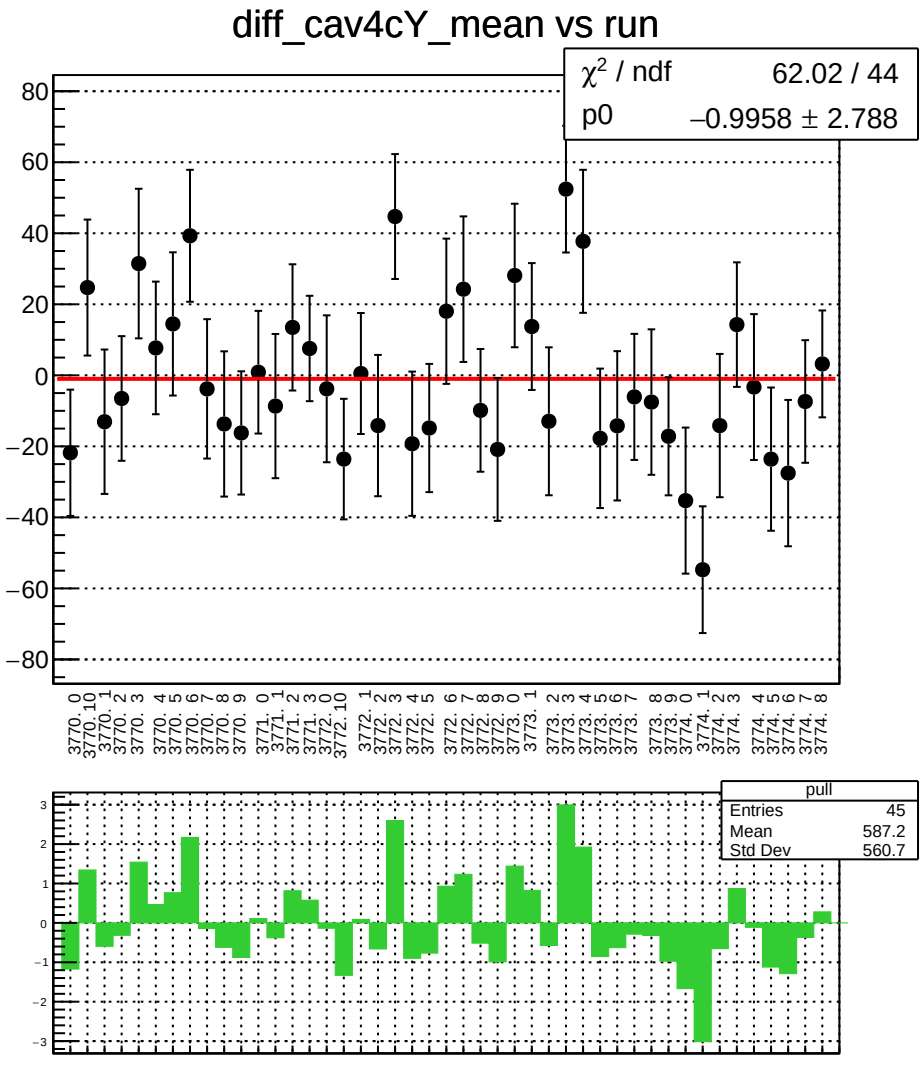

pull1D
Entries 45
Mean −0.1316
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

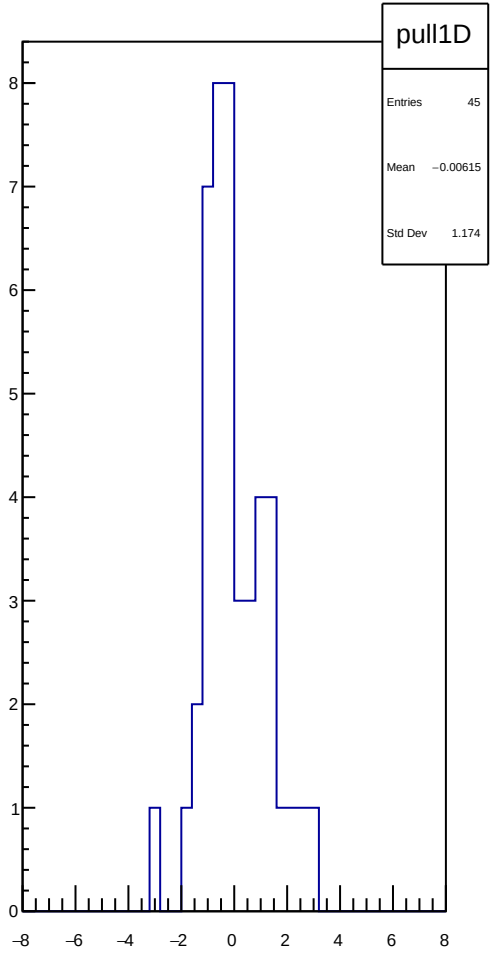

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 7.273e+05 / 44
p0 767.3 ± 2.292
200
180
160
140
120
100
80
60
40
20
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

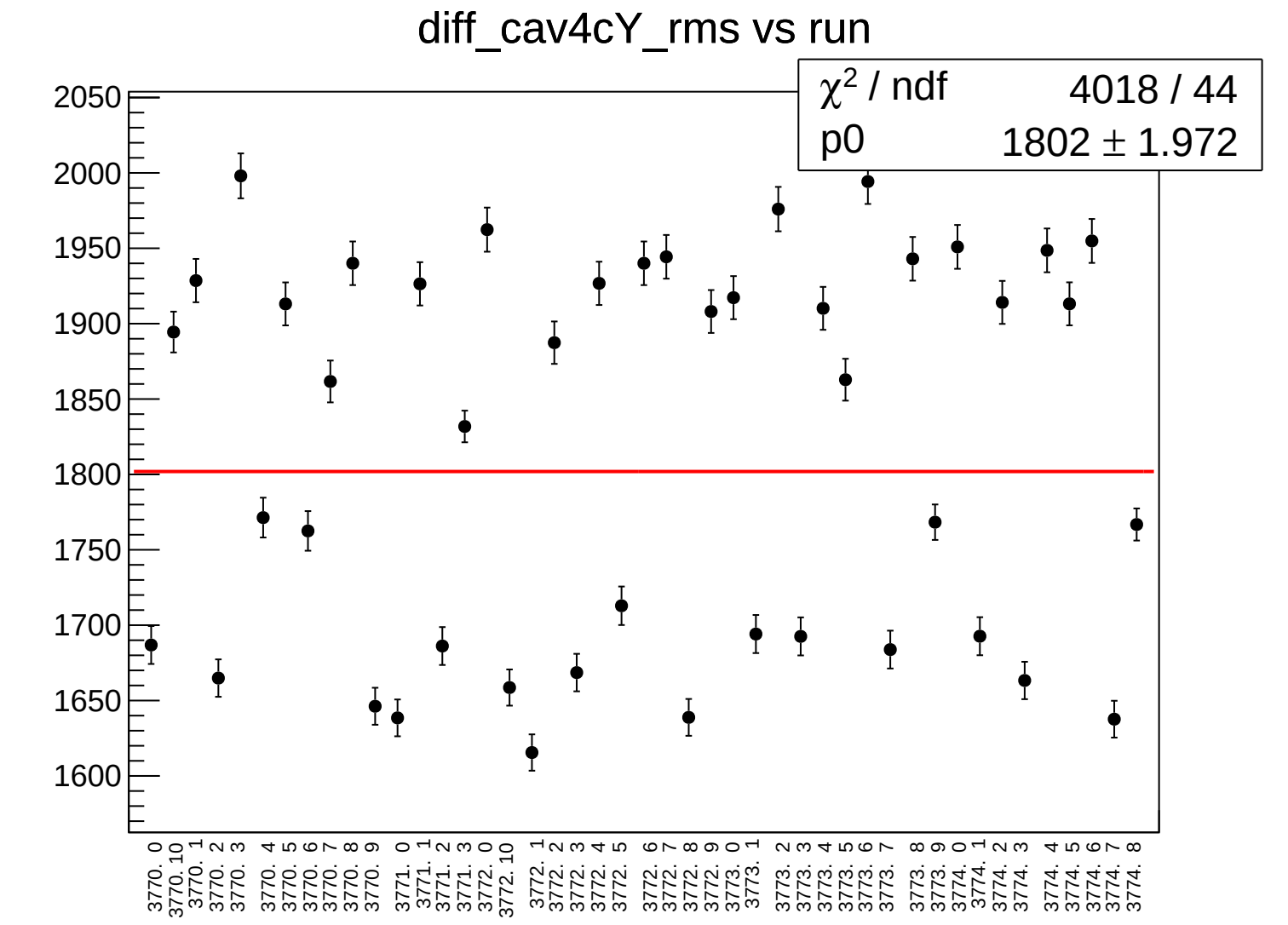

diff_cav4cX_mean vs run
χ² / ndf 45.67 / 44
p0 0.225 ± 3.385
pull
Entries 45
Mean 30.88
Std Dev 15.73

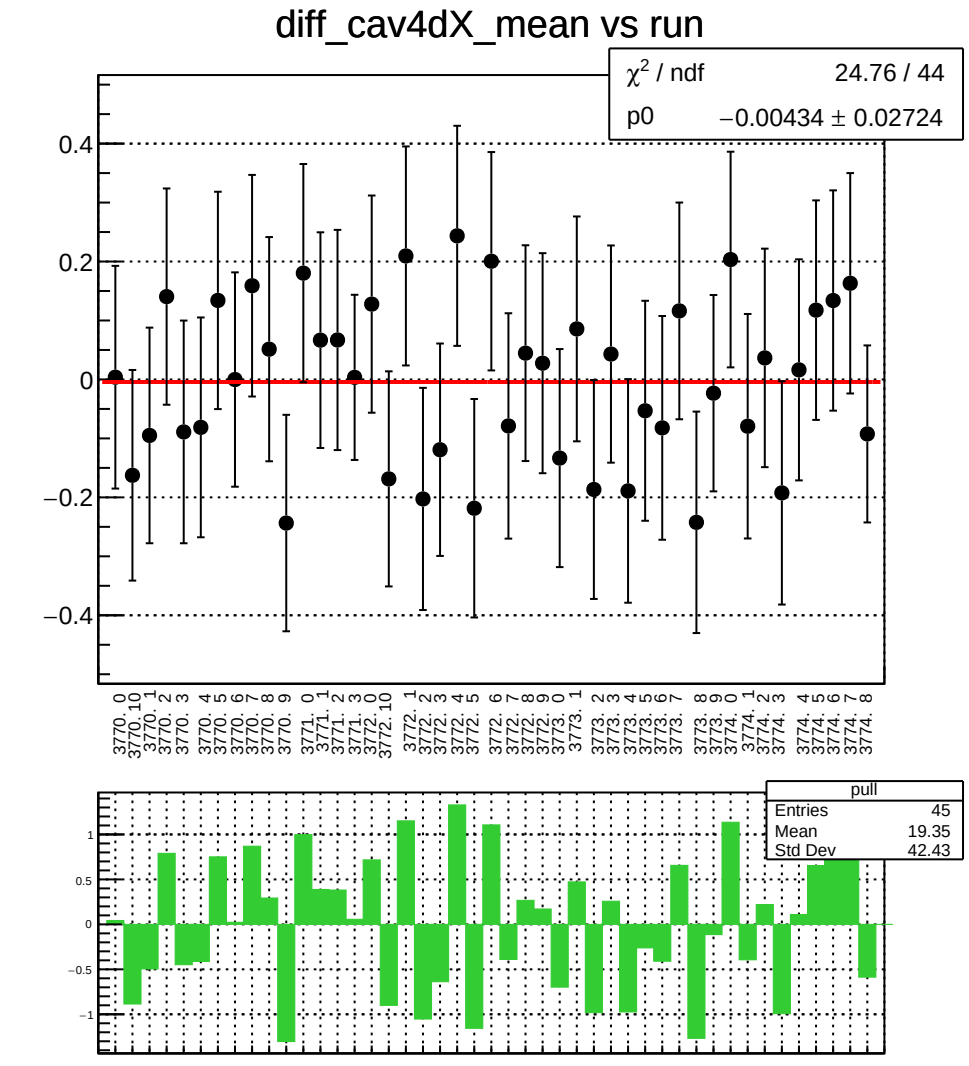

pull1D
Entries 45
Mean 0.02669
Std Dev 1.007

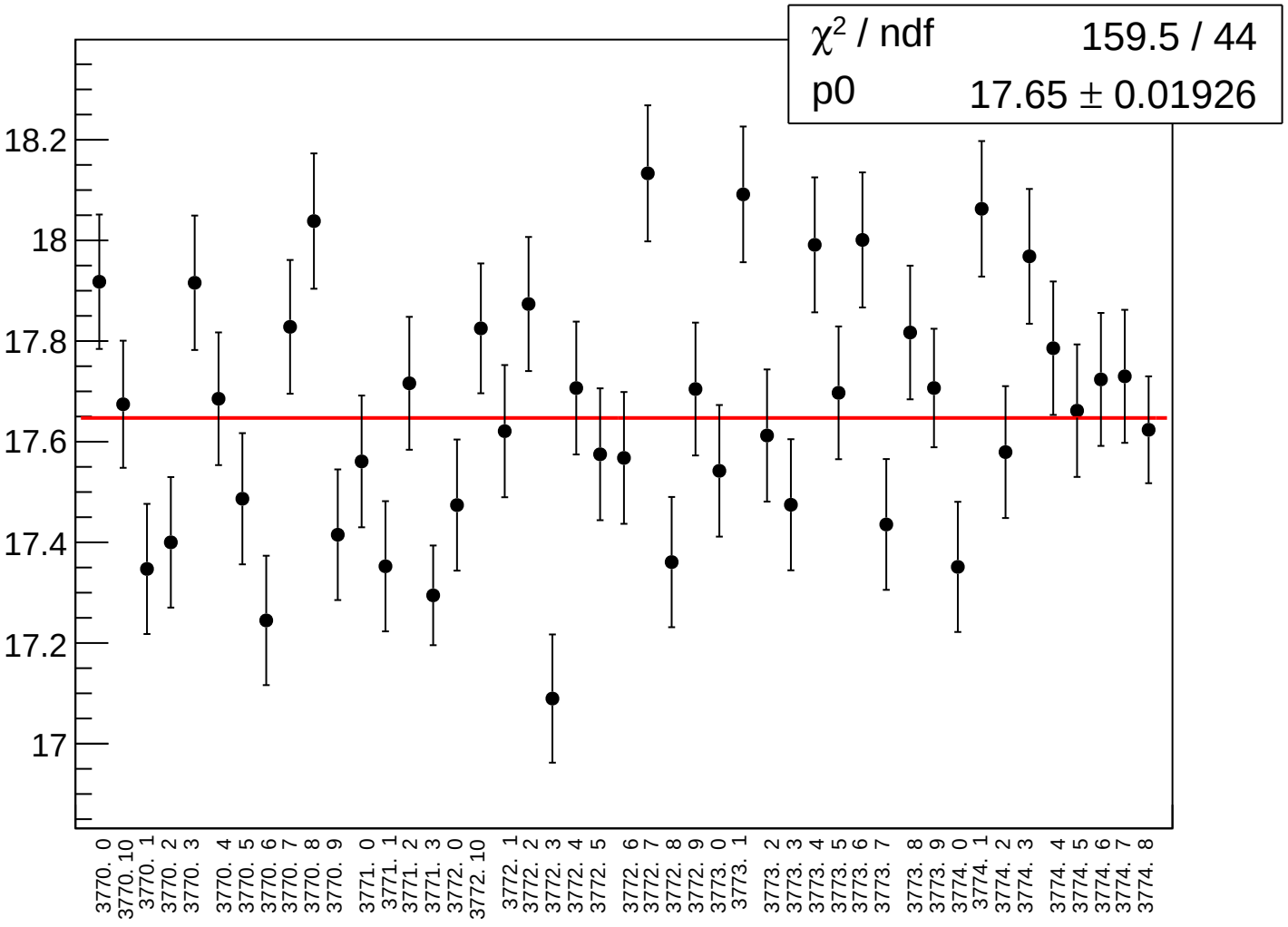

diff_cav4cX_rms vs run
χ² / ndf 485.2 / 44
p0 2192 ± 2.393
2350
2300
2250
2200
2150
2100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

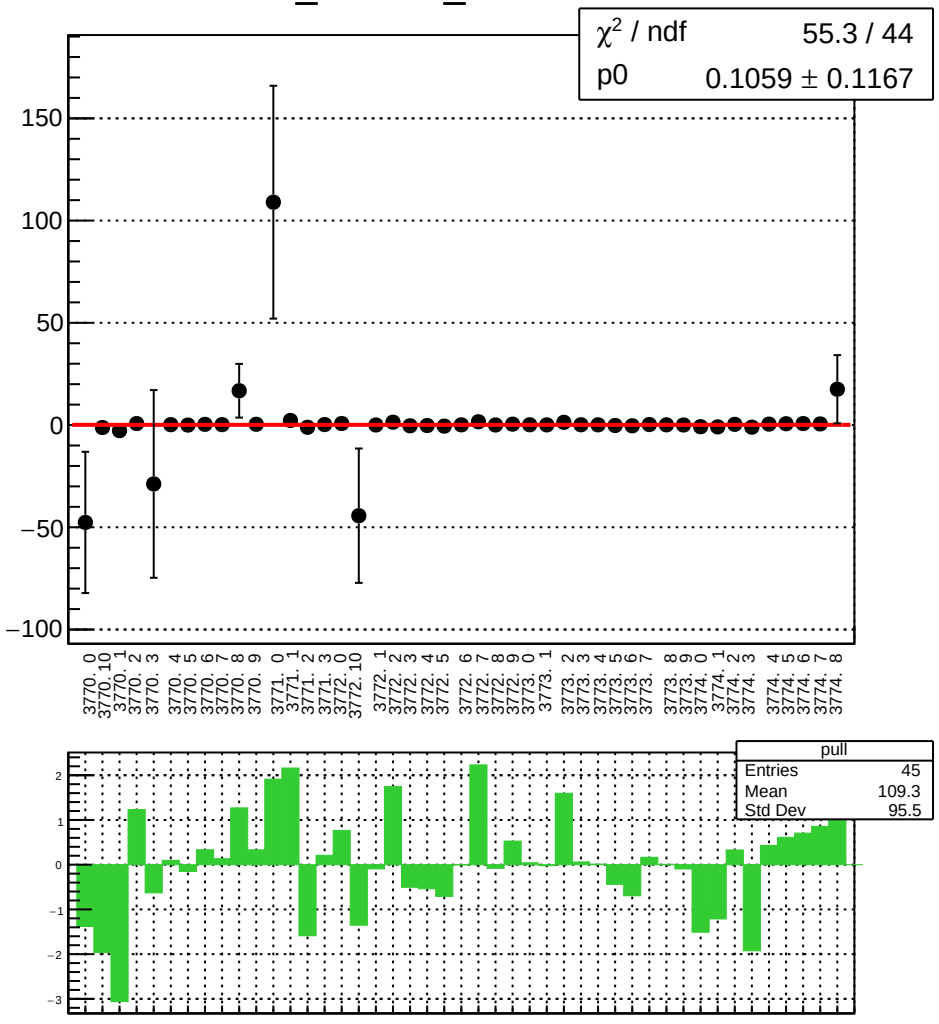

diff_cav4cY_mean vs run
χ² / ndf 62.02 / 44
p0 −0.9958 ± 2.788
pull
Entries 45
Mean 587.2
Std Dev 560.7

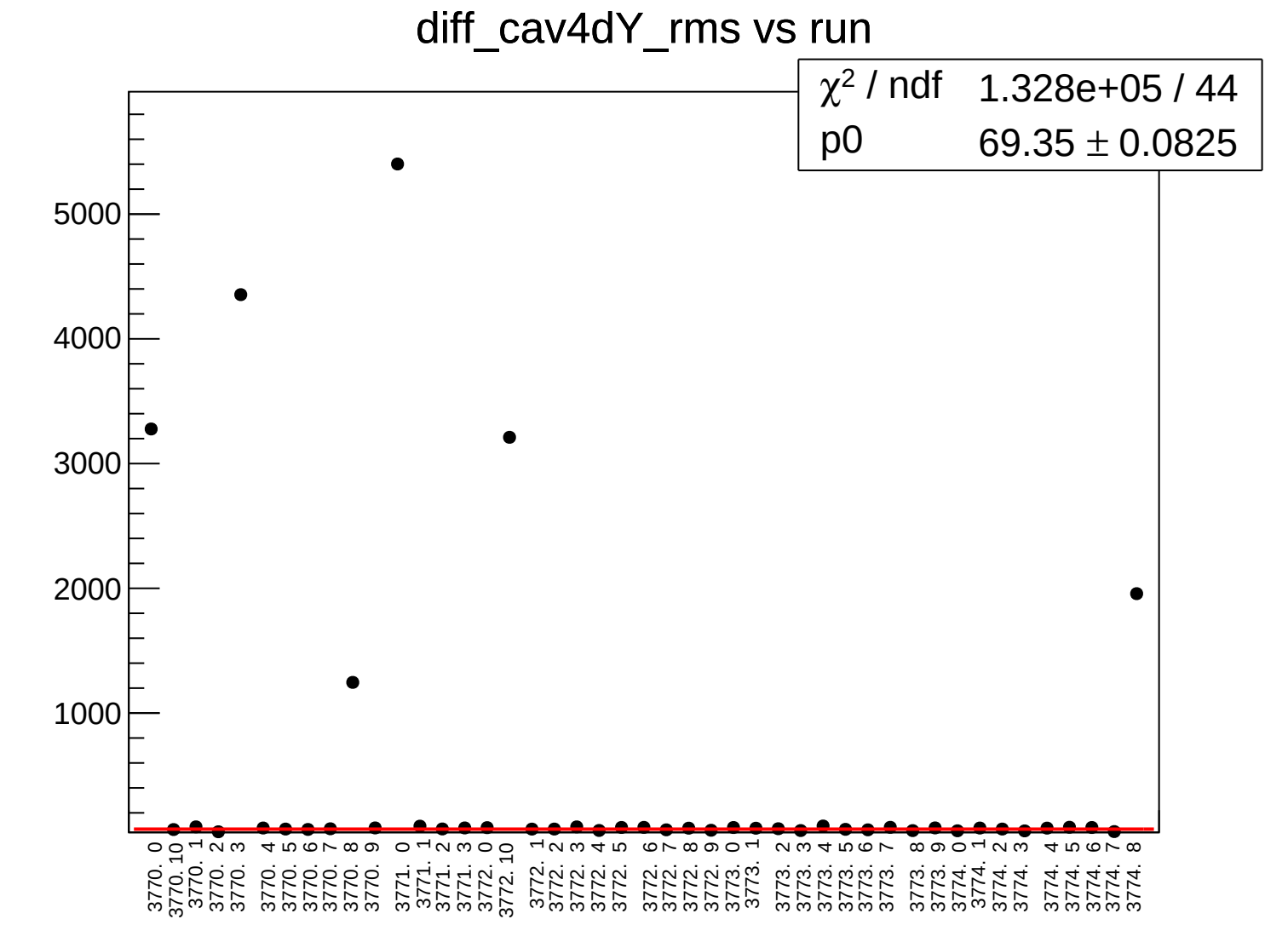

pull1D
Entries 45
Mean −0.00615
Std Dev 1.174

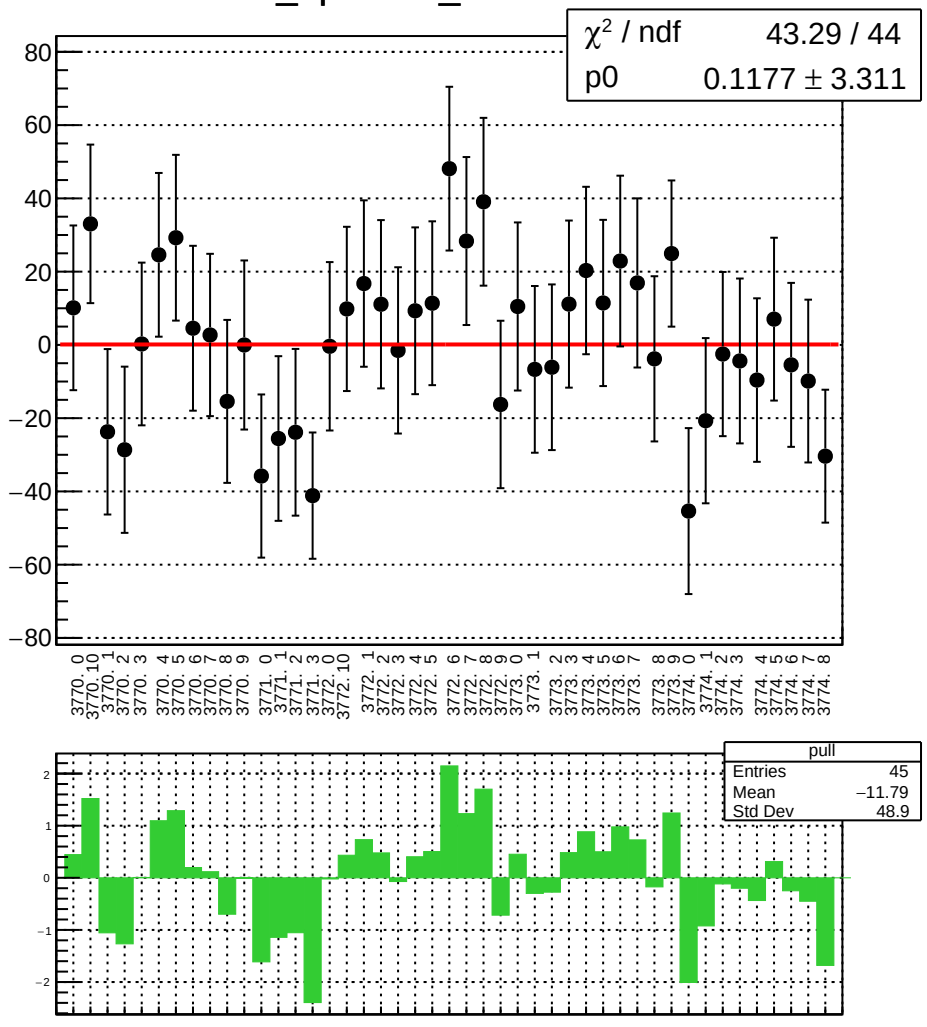

diff_cav4cY_rms vs run
χ² / ndf 4018 / 44
p0 1802 ± 1.972
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

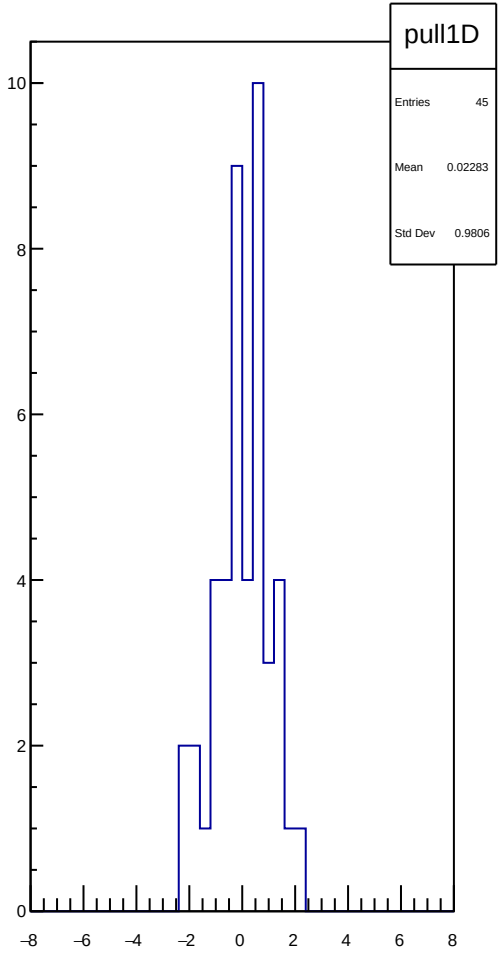

diff_cav4dX_mean vs run
χ² / ndf 24.76 / 44
p0 −0.00434 ± 0.02724
0.4
0.2
0
−0.2
−0.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 19.35
Std Dev 42.43
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean 0.002515
Std Dev 0.7417
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

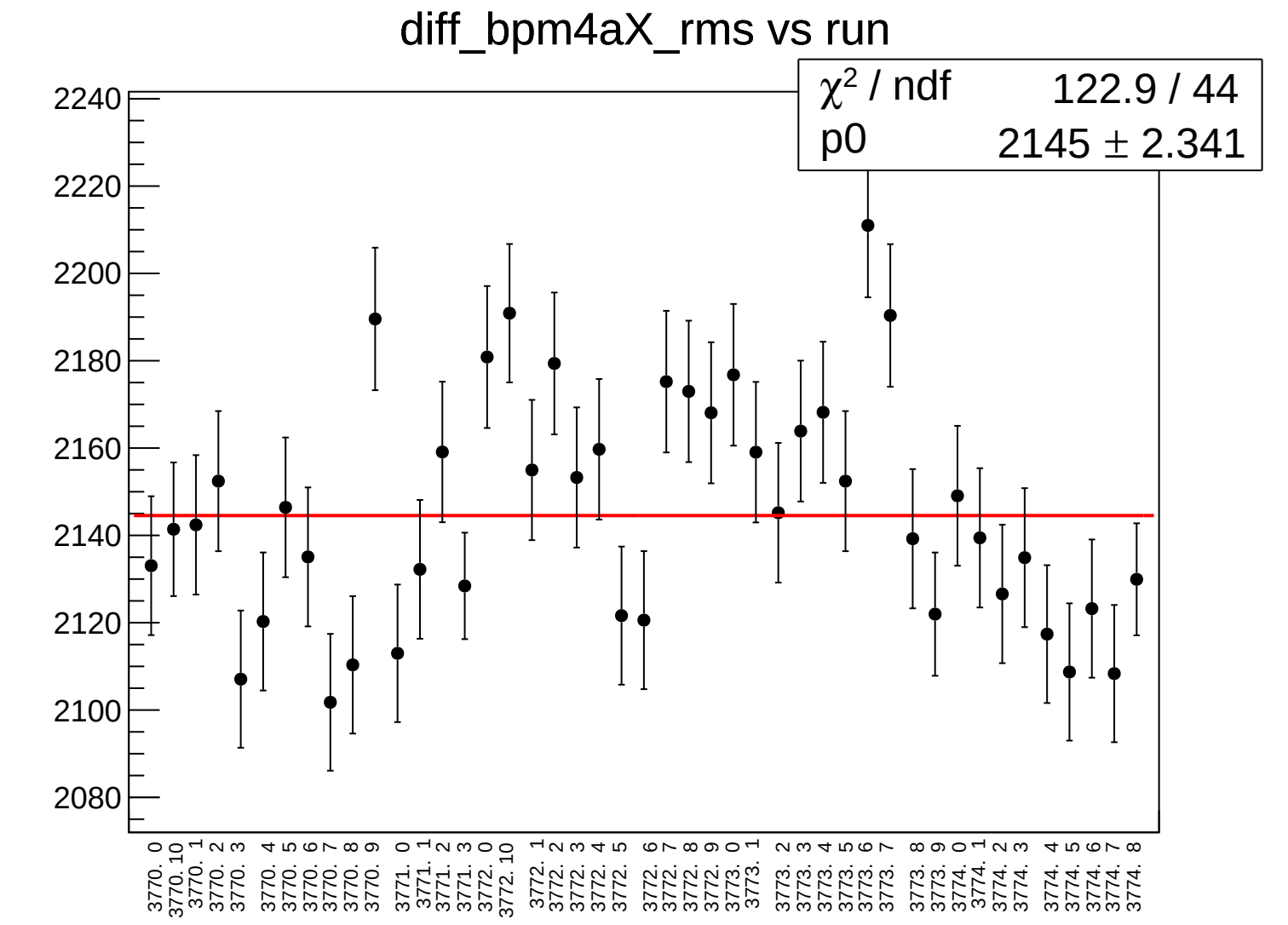

diff_cav4dX_rms vs run
χ^2 / ndf 159.5 / 44
p0 17.65 ± 0.01926
18.2
18
17.8
17.6
17.4
17.2
17
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

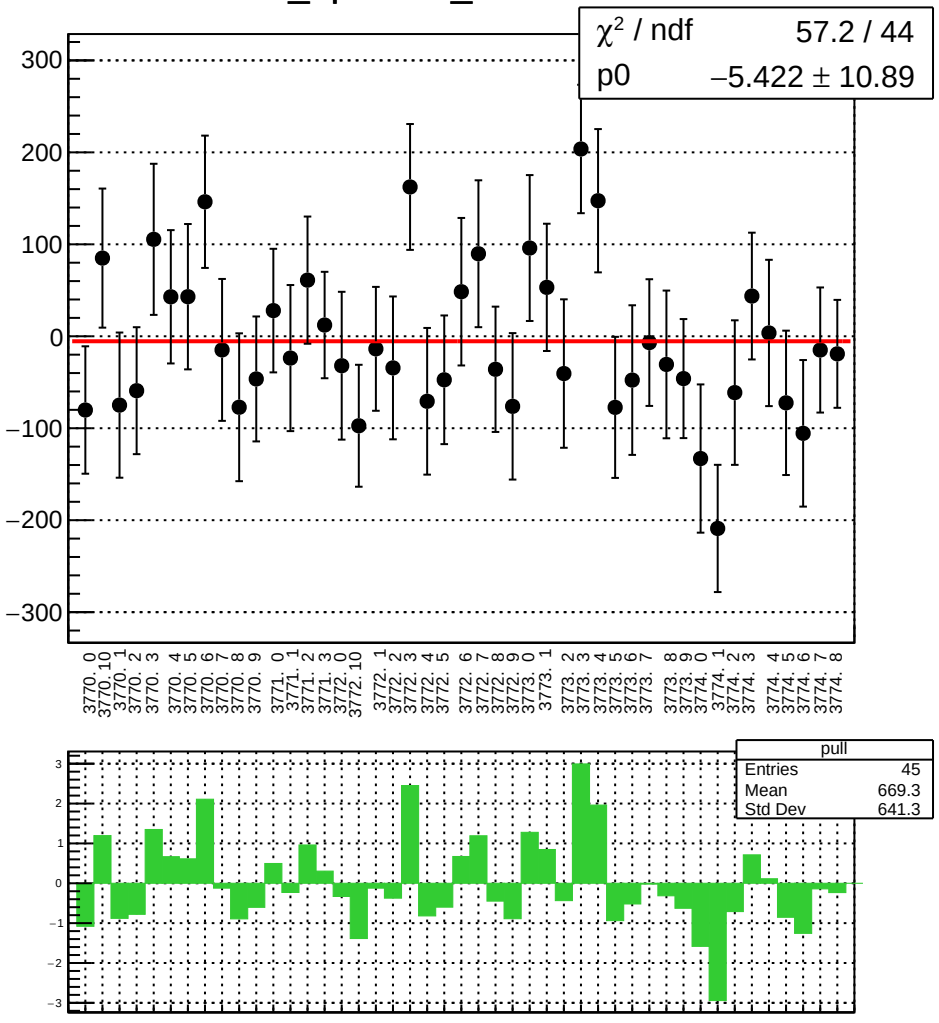

diff_cav4dY_mean vs run
χ² / ndf 55.3 / 44
p0 0.1059 ± 0.1167
150
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 109.3
Std Dev 95.5
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.01917
Std Dev 1.108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

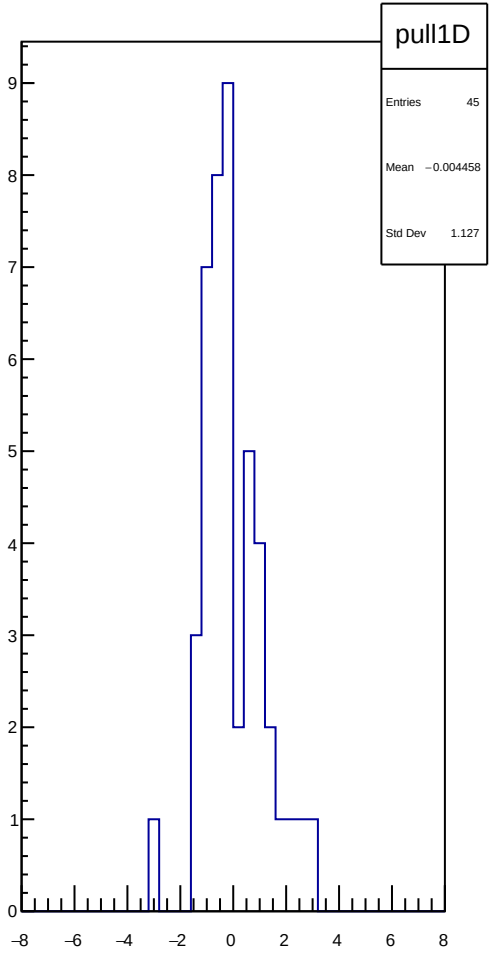

diff_cav4dY_rms vs run
χ^2 / ndf 1.328e+05 / 44
p0 69.35 ± 0.0825
5000
4000
3000
2000
1000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

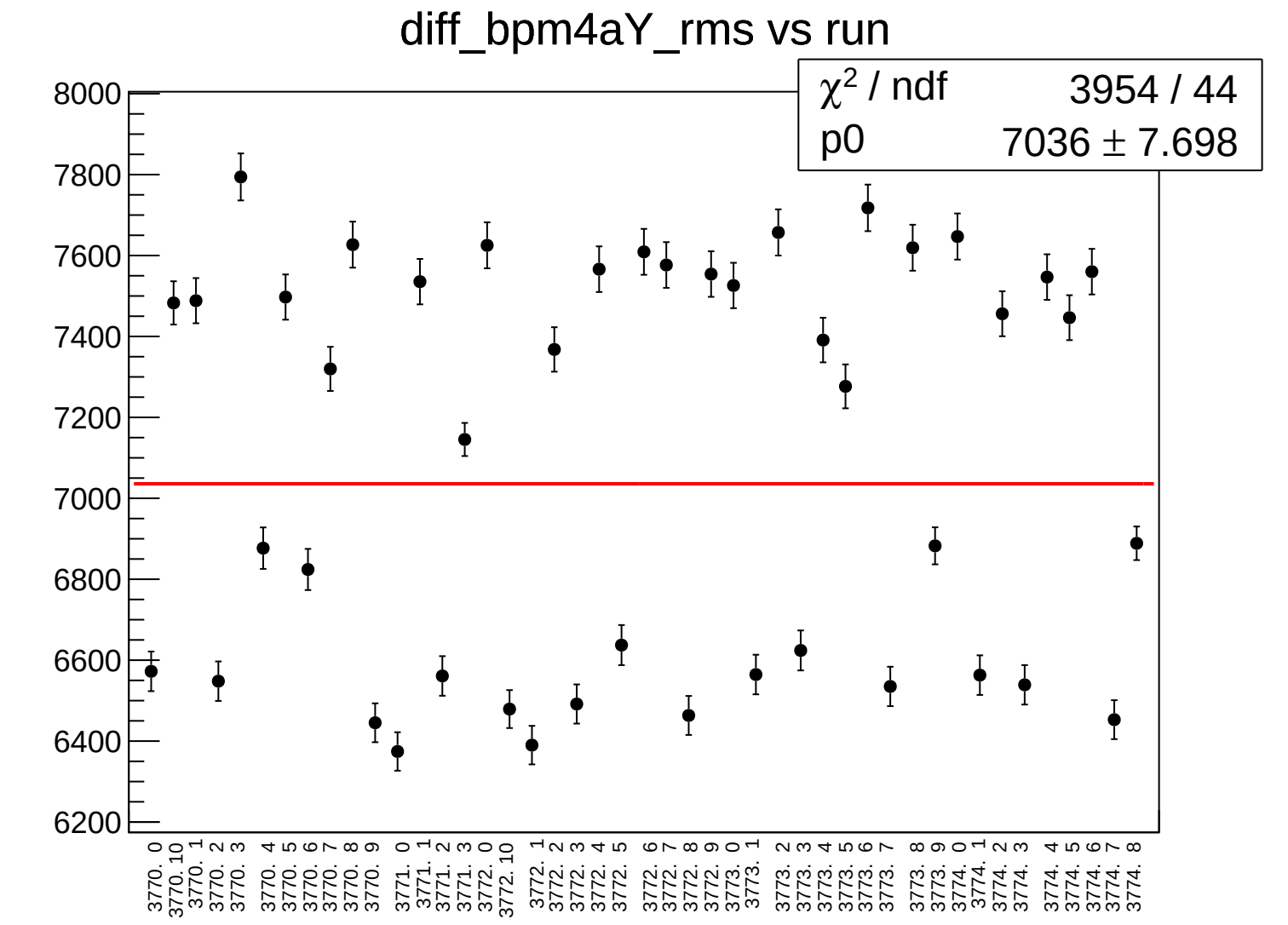

diff_bpm4aX_mean vs run
χ² / ndf 43.29 / 44
p0 0.1177 ± 3.311
pull
Entries 45
Mean −11.79
Std Dev 48.9

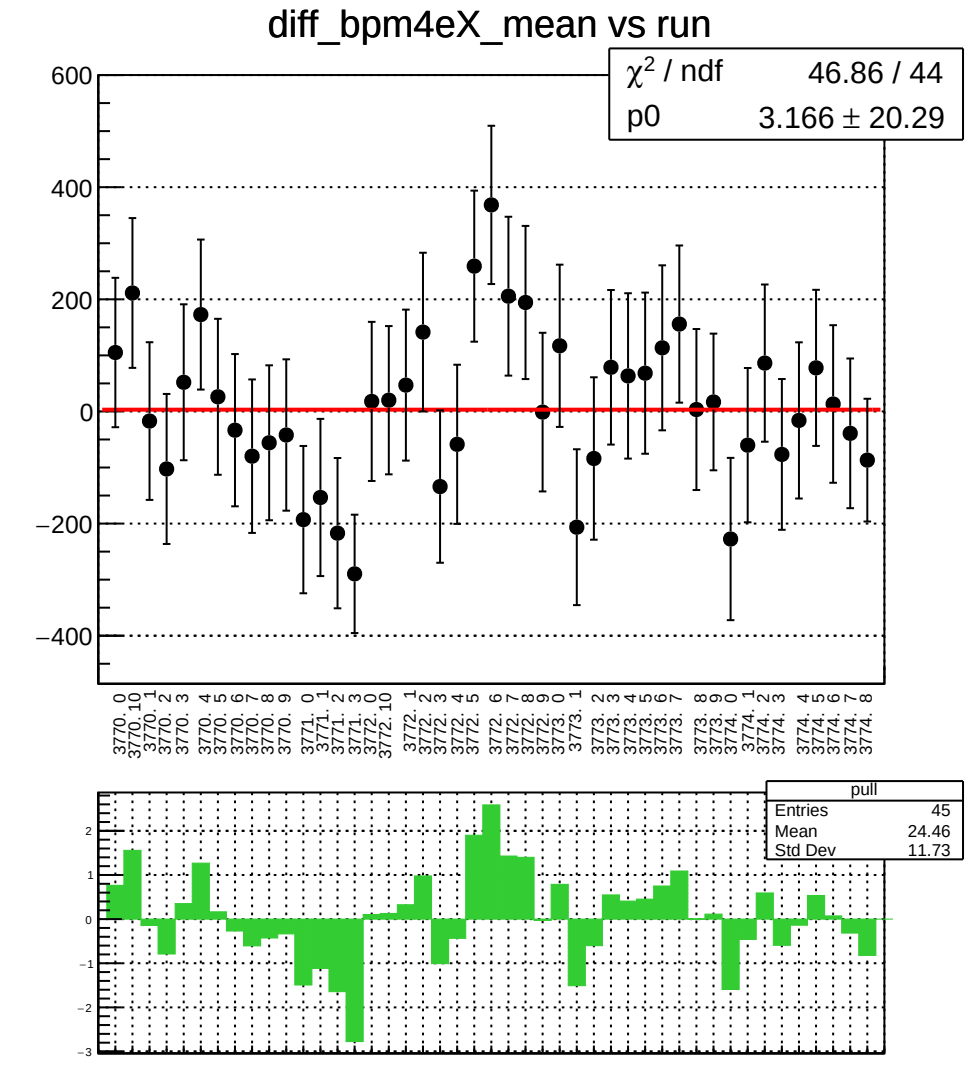

pull1D
Entries 45
Mean 0.02283
Std Dev 0.9806

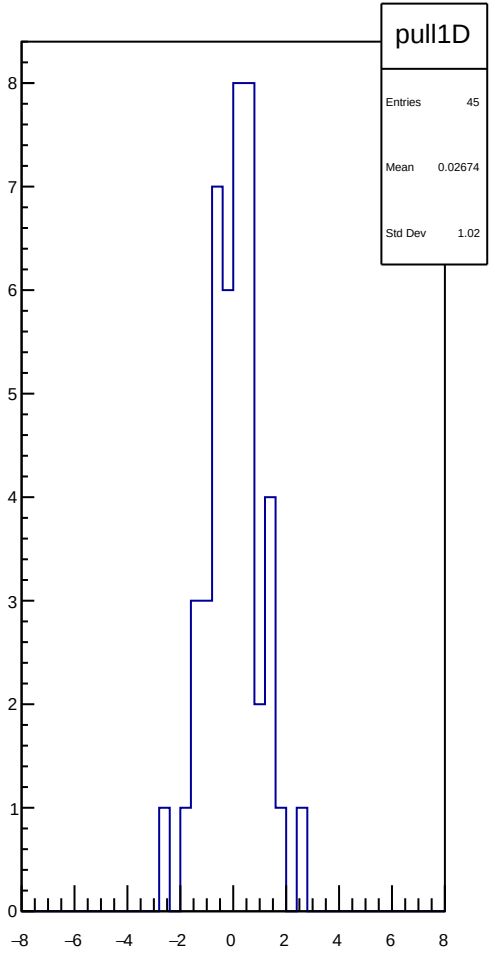

diff_bpm4aX_rms vs run
χ² / ndf 122.9 / 44
p0 2145 ± 2.341
2240
2220
2200
2180
2160
2140
2120
2100
2080
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

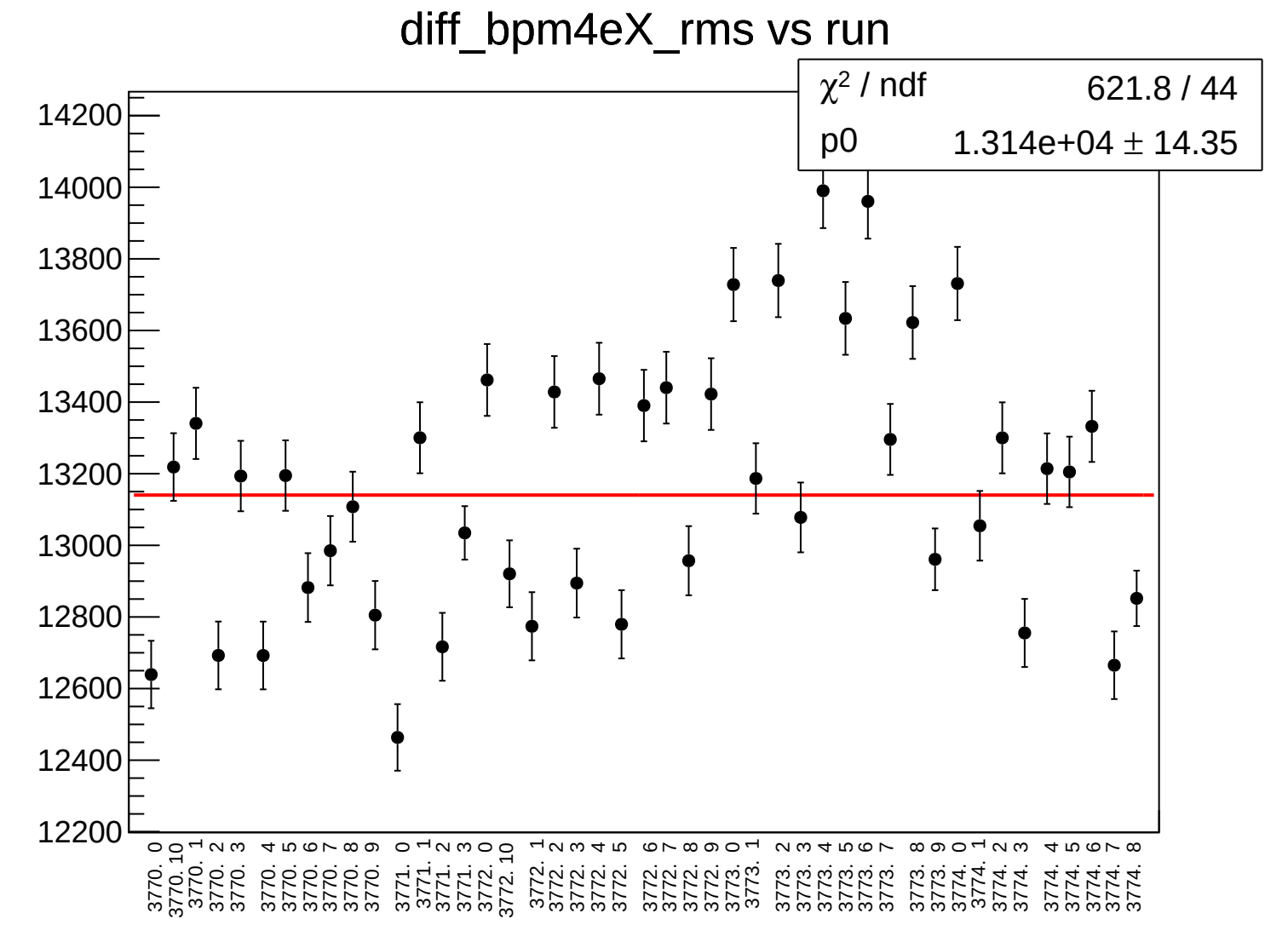

diff_bpm4aY_mean vs run
χ² / ndf 57.2 / 44
p0 −5.422 ± 10.89
pull
Entries 45
Mean 669.3
Std Dev 641.3

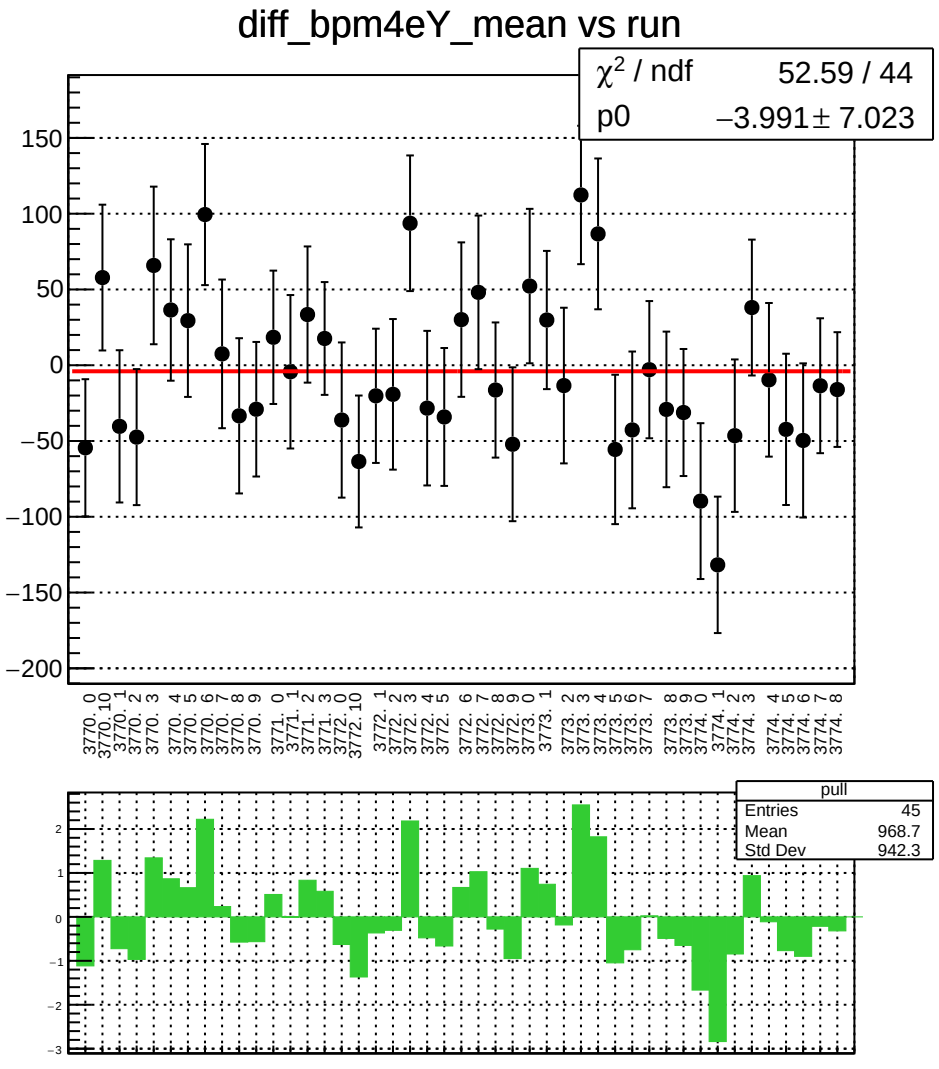

pull1D
Entries 45
Mean −0.004458
Std Dev 1.127

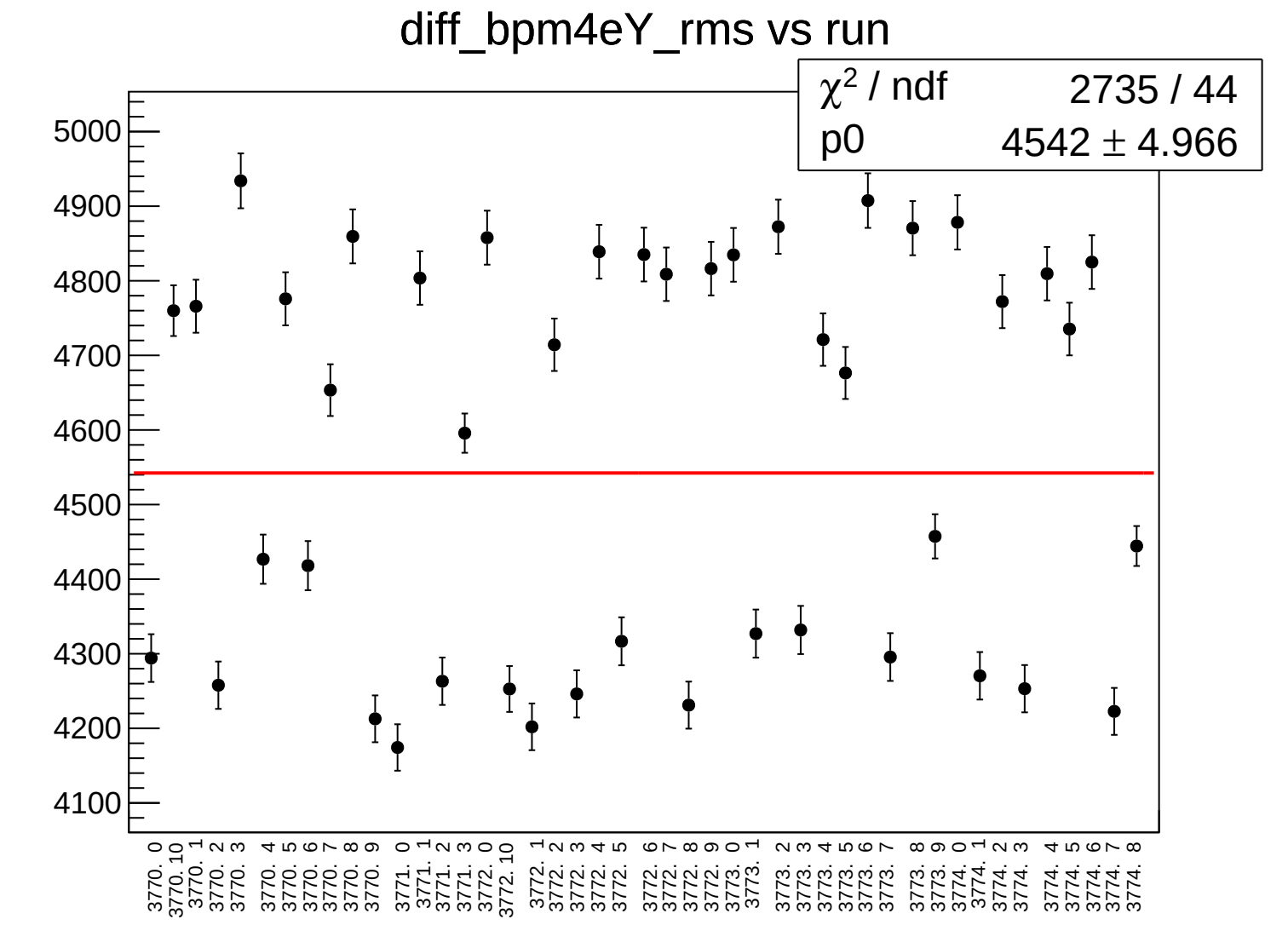

diff_bpm4aY_rms vs run
χ² / ndf 3954 / 44
p0 7036 ± 7.698
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

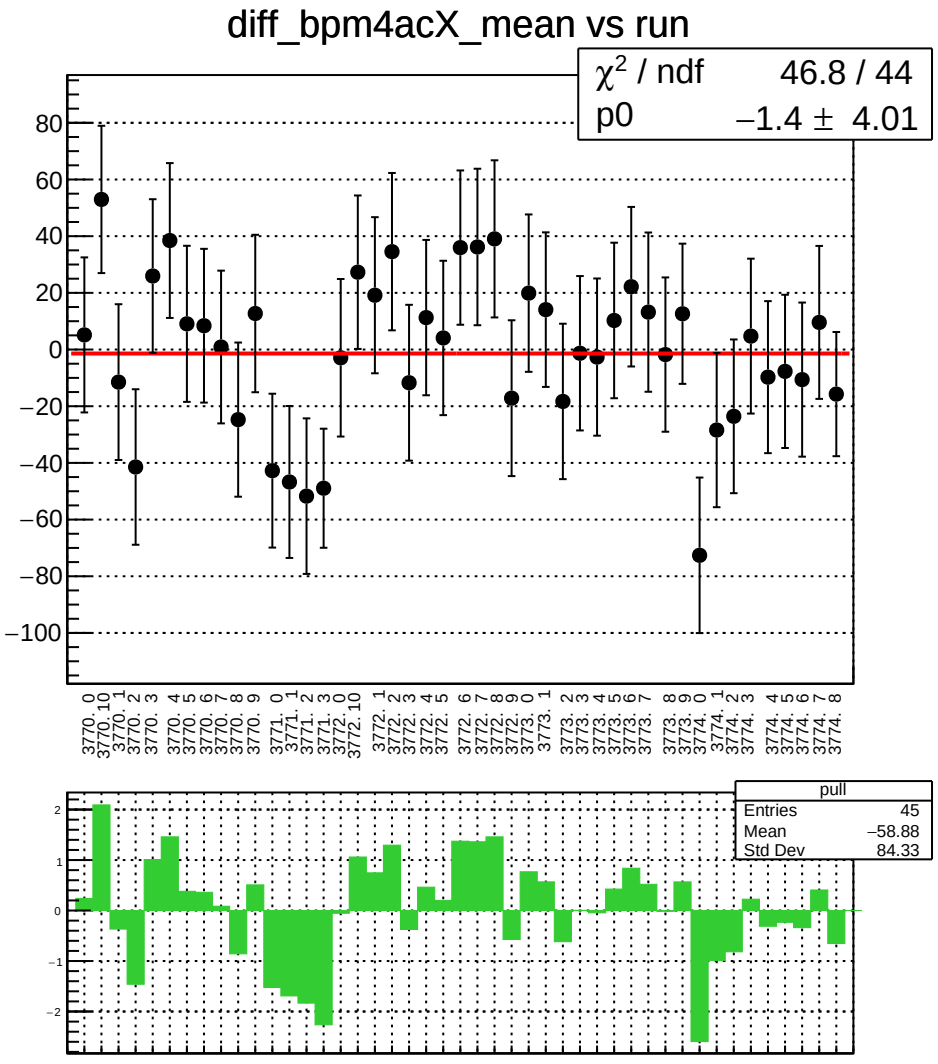

diff_bpm4eX_mean vs run
χ^2 / ndf 46.86 / 44
p0 3.166 ± 20.29
600
400
200
0
−200
−400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 24.46
Std Dev 11.73
2
1
0
−1
−2
−3

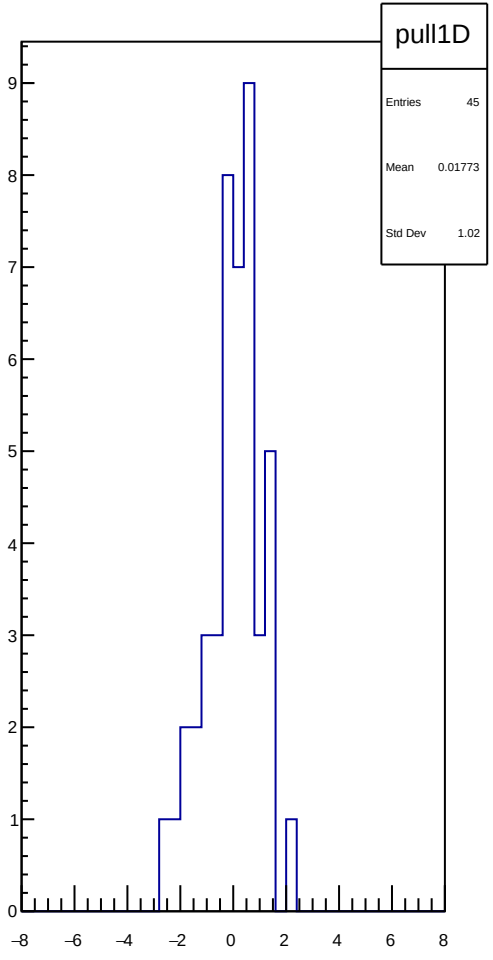

pull1D
Entries 45
Mean 0.02674
Std Dev 1.02
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

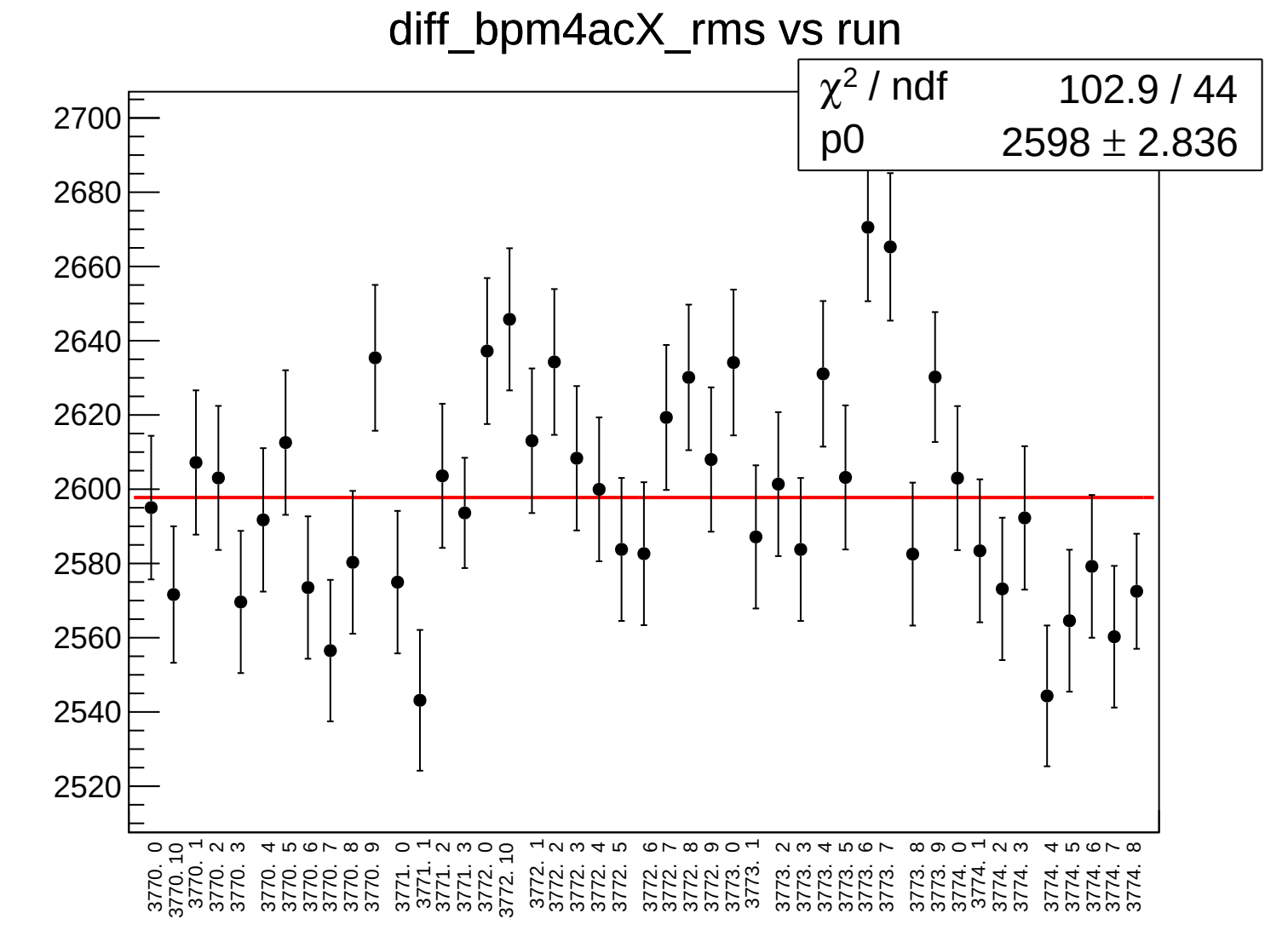

diff_bpm4eX_rms vs run
χ² / ndf 621.8 / 44
p0 1.314e+04 ± 14.35
14200
14000
13800
13600
13400
13200
13000
12800
12600
12400
12200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

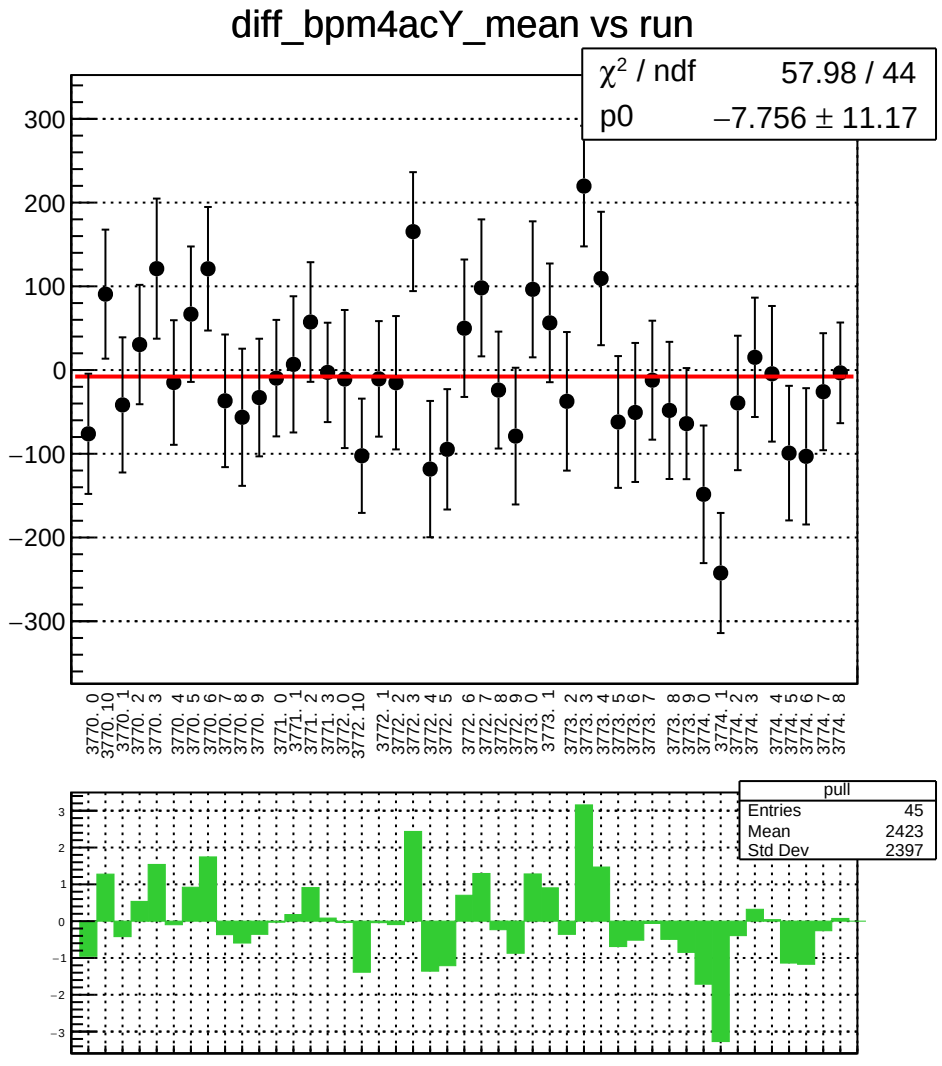

diff_bpm4eY_mean vs run
χ² / ndf 52.59 / 44
p0 −3.991± 7.023
150
100
50
0
−50
−100
−150
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 968.7
Std Dev 942.3
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.003566
Std Dev 1.081
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

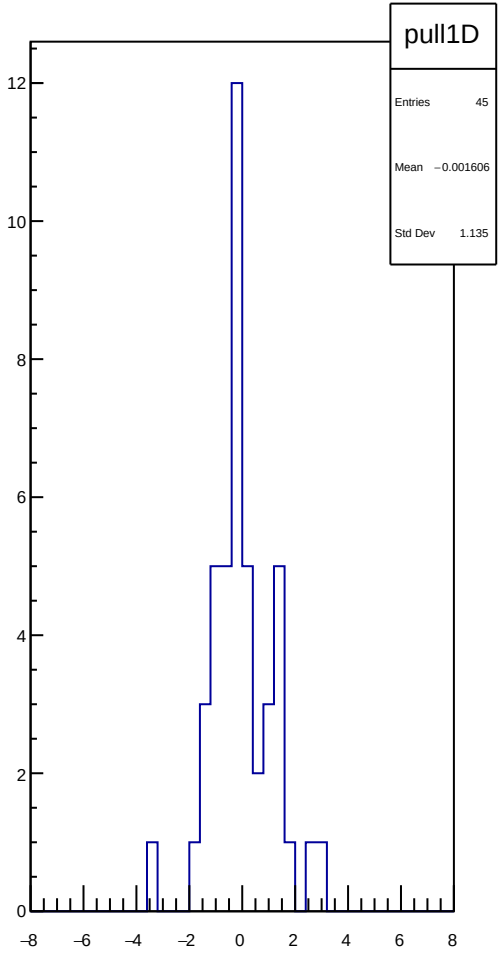

diff_bpm4eY_rms vs run
χ² / ndf 2735 / 44
p0 4542 ± 4.966
5000
4900
4800
4700
4600
4500
4400
4300
4200
4100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

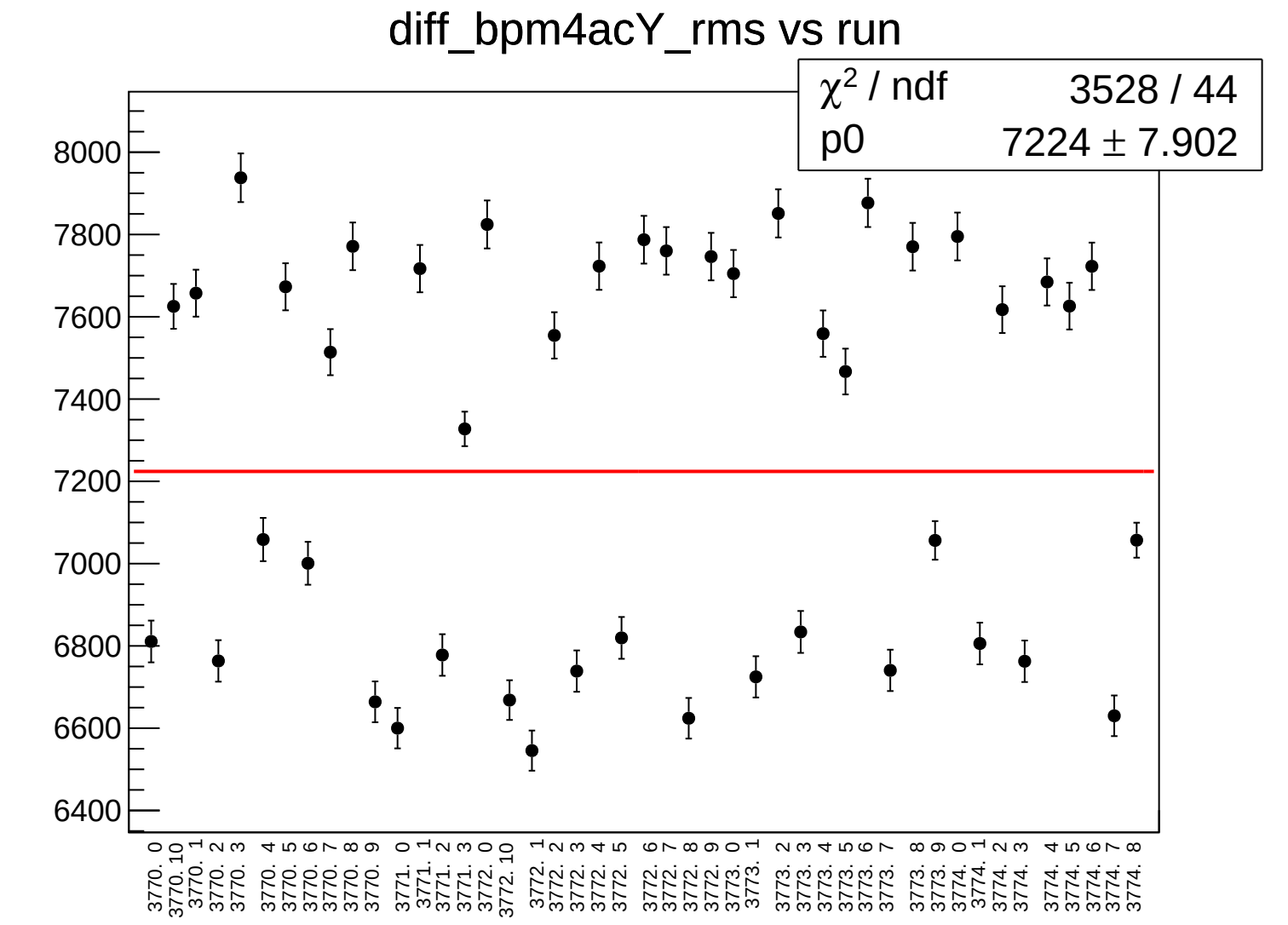

diff_bpm4acX_mean vs run
χ² / ndf 46.8 / 44
p0 −1.4 ± 4.01
pull
Entries 45
Mean −58.88
Std Dev 84.33

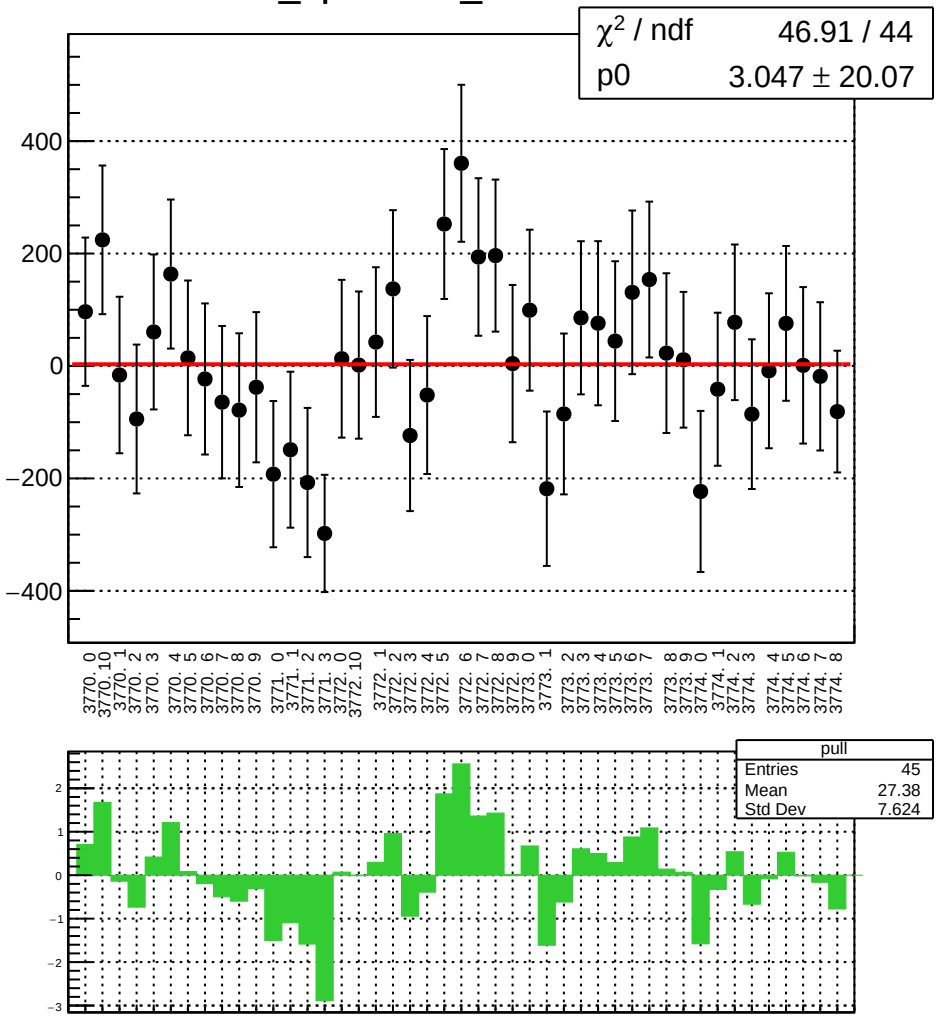

pull1D
Entries 45
Mean 0.01773
Std Dev 1.02

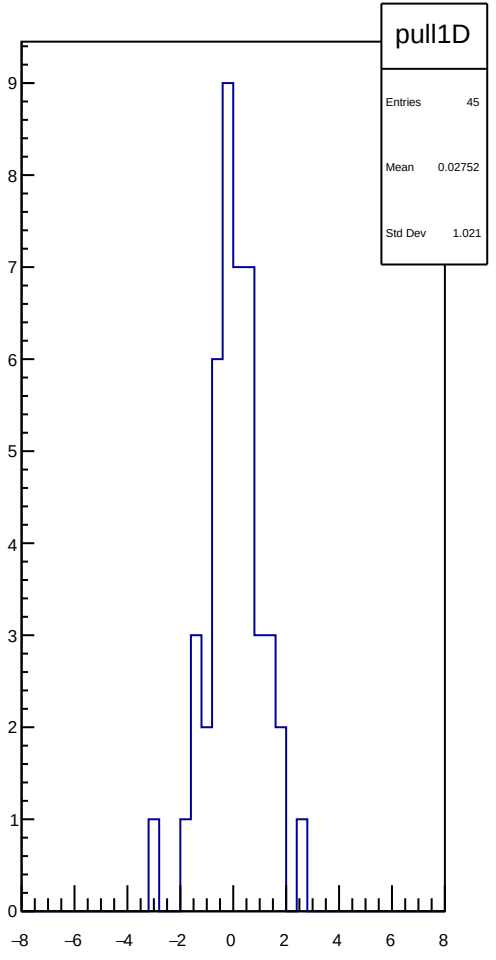

diff_bpm4acX_rms vs run
χ² / ndf 102.9 / 44
p0 2598 ± 2.836
2700
2680
2660
2640
2620
2600
2580
2560
2540
2520
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

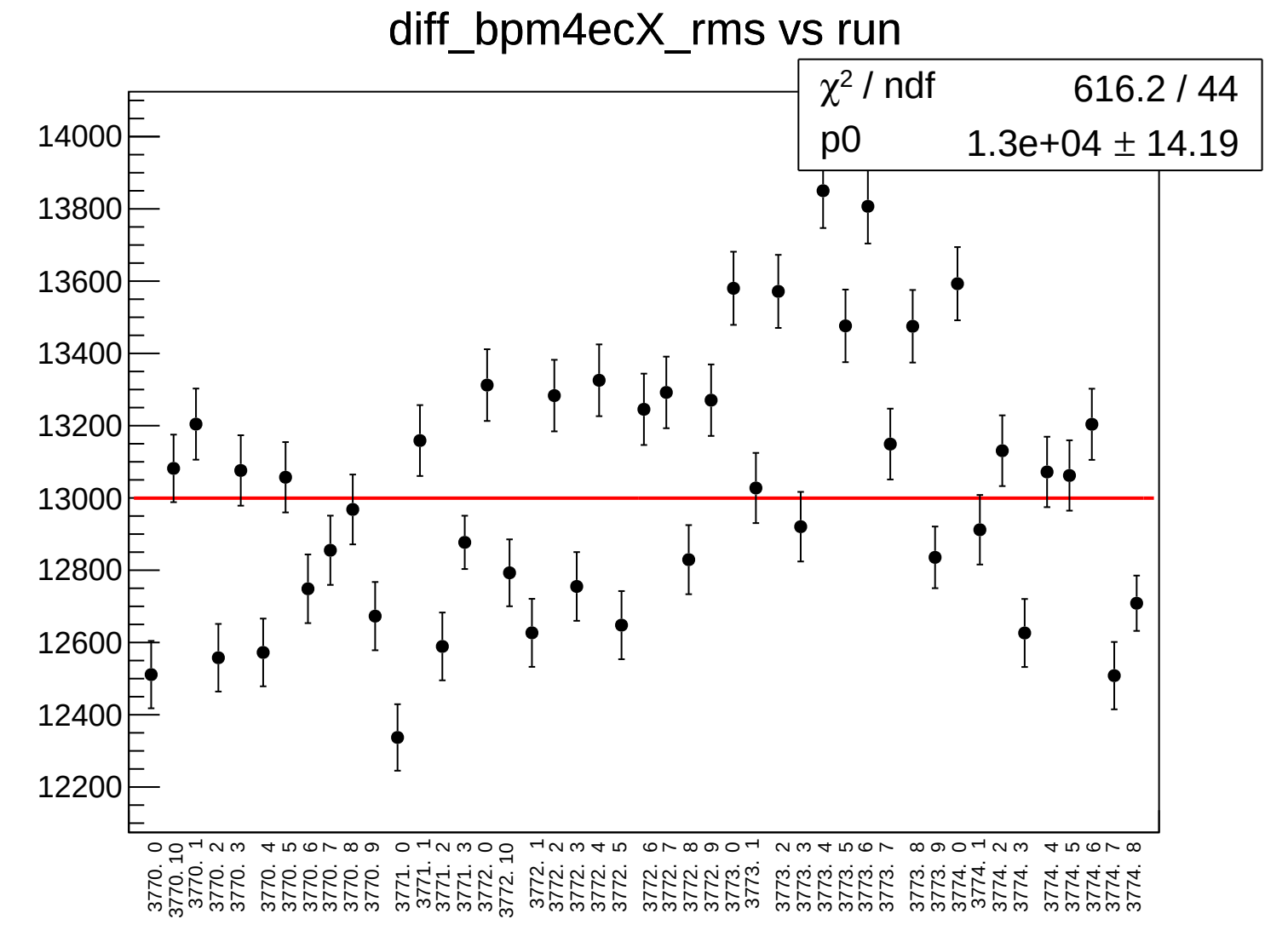

diff_bpm4acY_mean vs run
χ² / ndf 57.98 / 44
p0 −7.756 ± 11.17
300
200
100
0
−100
−200
−300
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2423
Std Dev 2397
3
2
1
0
−1
−2
−3

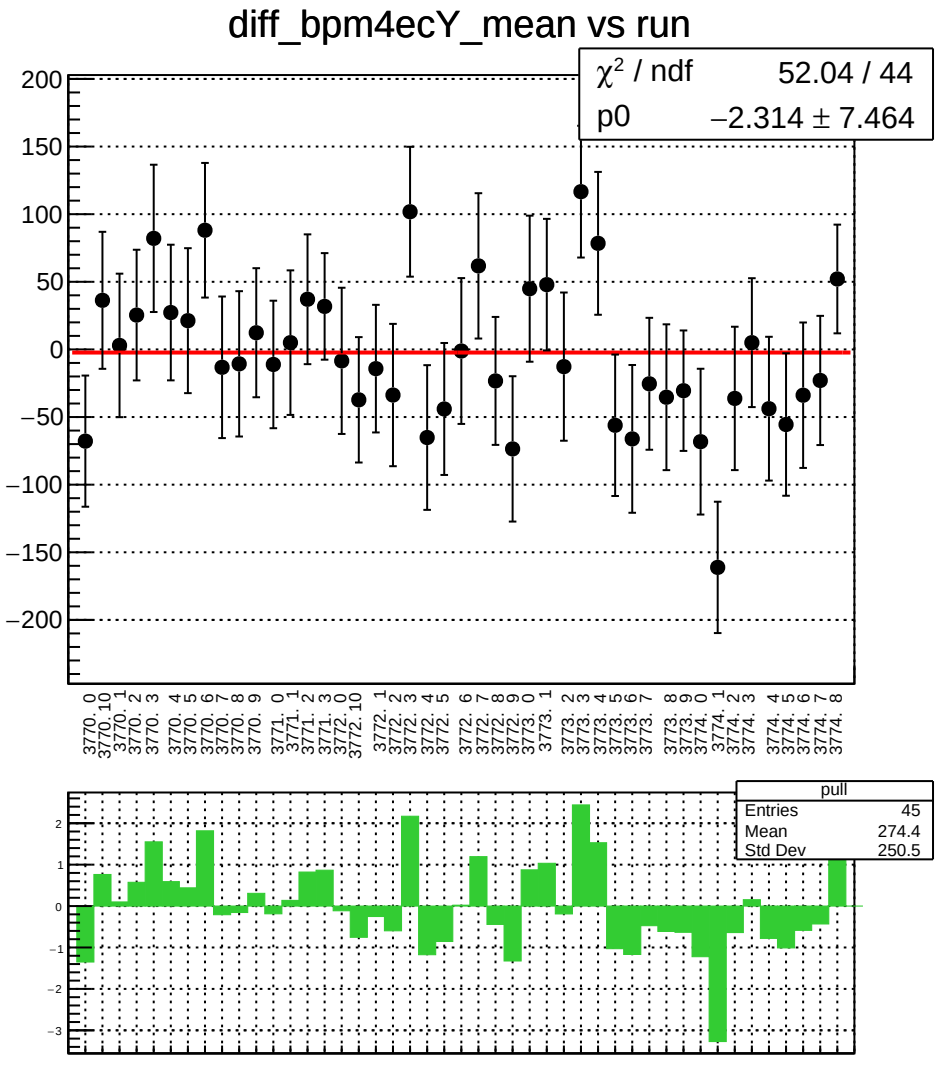

pull1D
Entries 45
Mean −0.001606
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

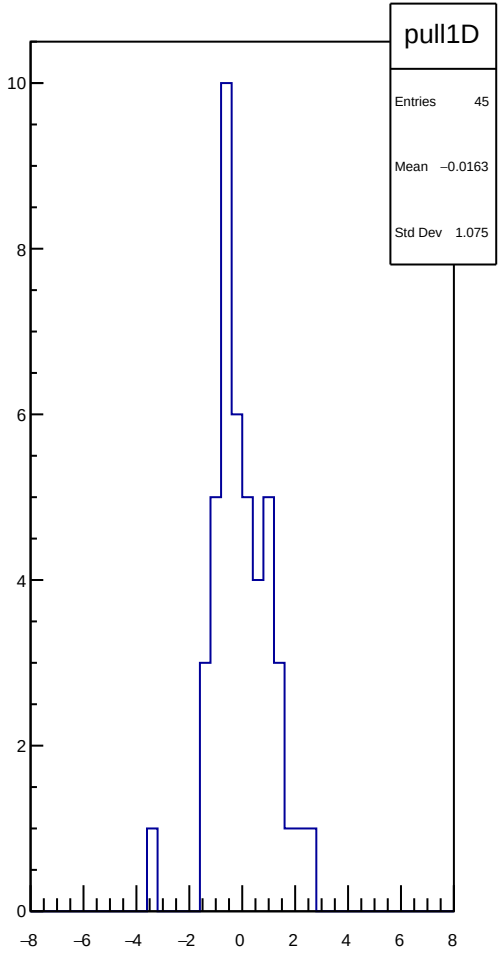

diff_bpm4acY_rms vs run
χ² / ndf 3528 / 44
p0 7224 ± 7.902
8000
7800
7600
7400
7200
7000
6800
6600
6400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

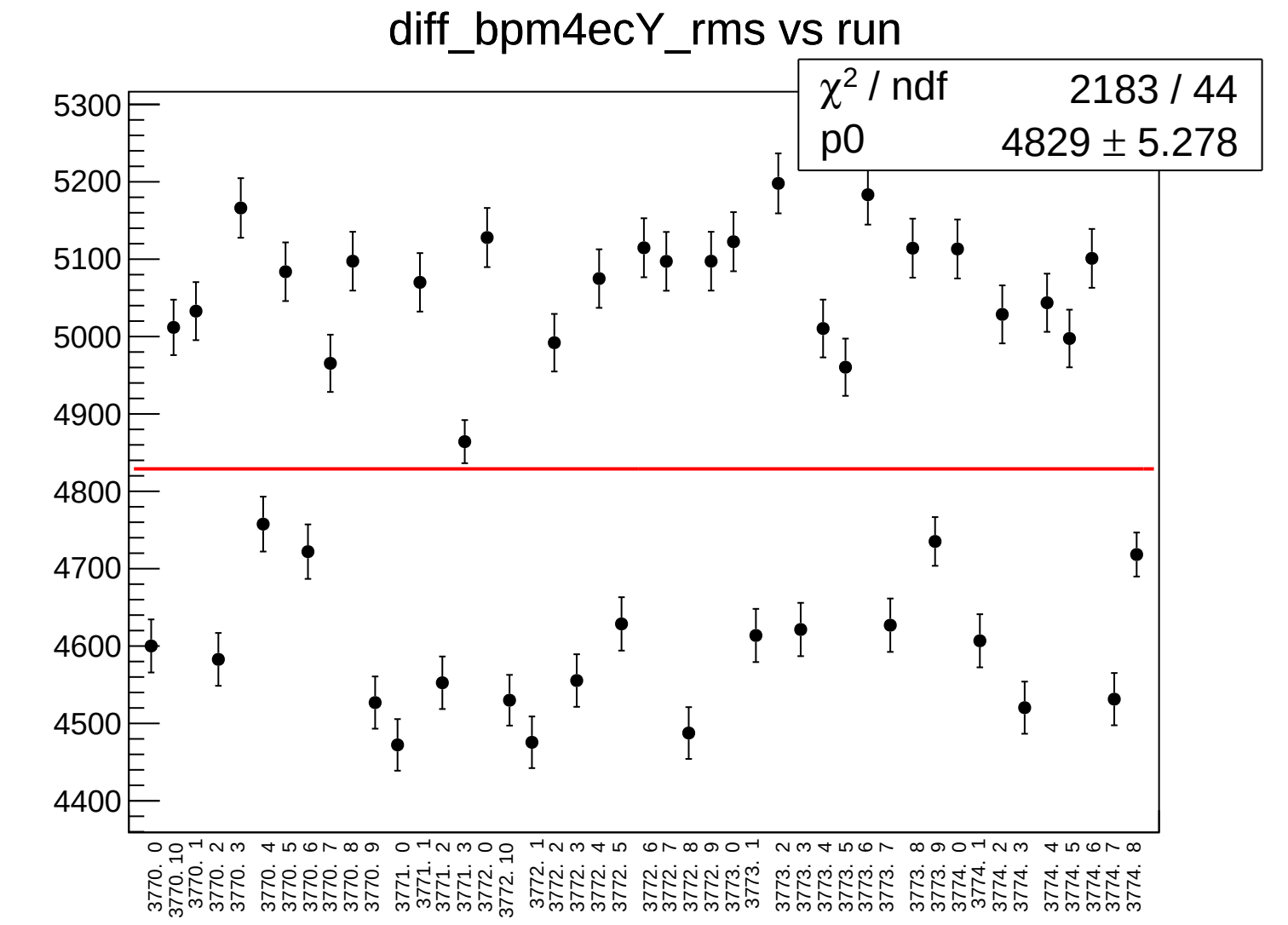

diff_bpm4ecX_mean vs run
χ² / ndf 46.91 / 44
p0 3.047 ± 20.07
400
200
0
−200
−400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 27.38
Std Dev 7.624
2
1
0
−1
−2
−3

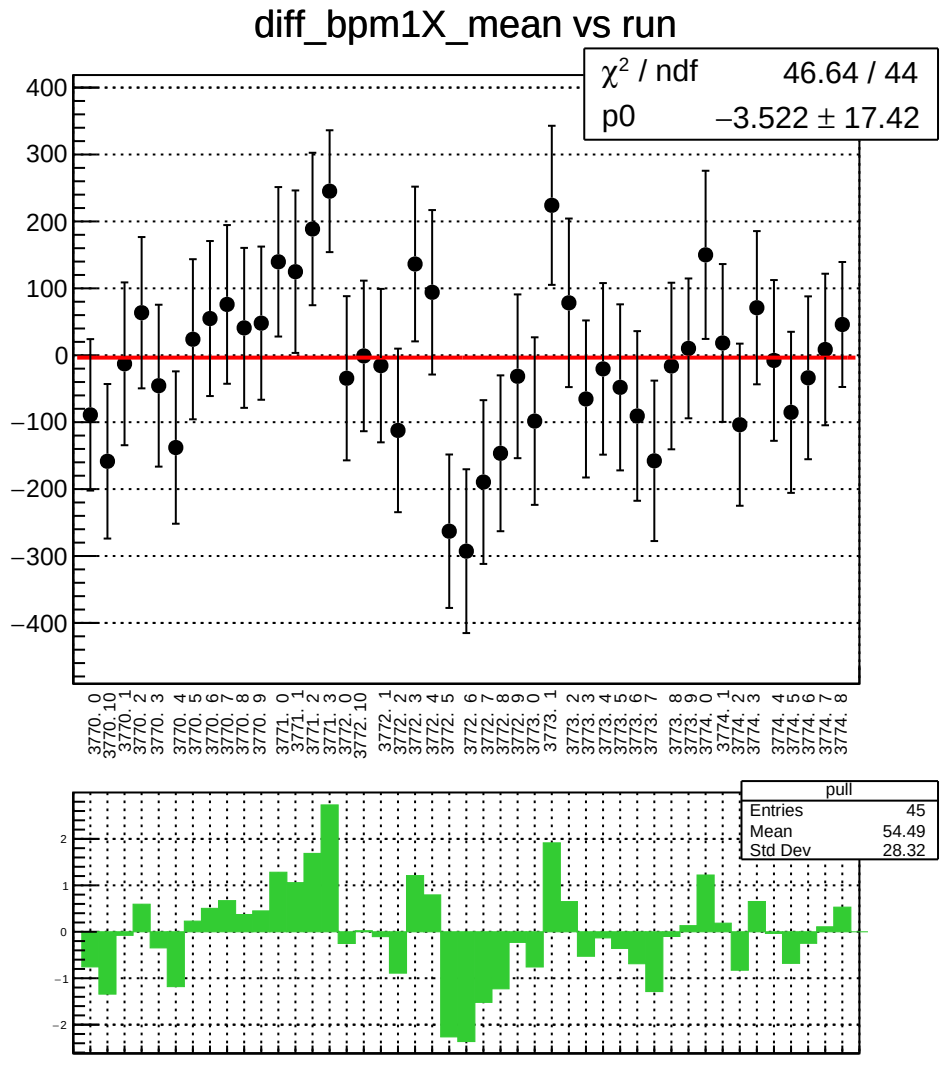

pull1D
Entries 45
Mean 0.02752
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

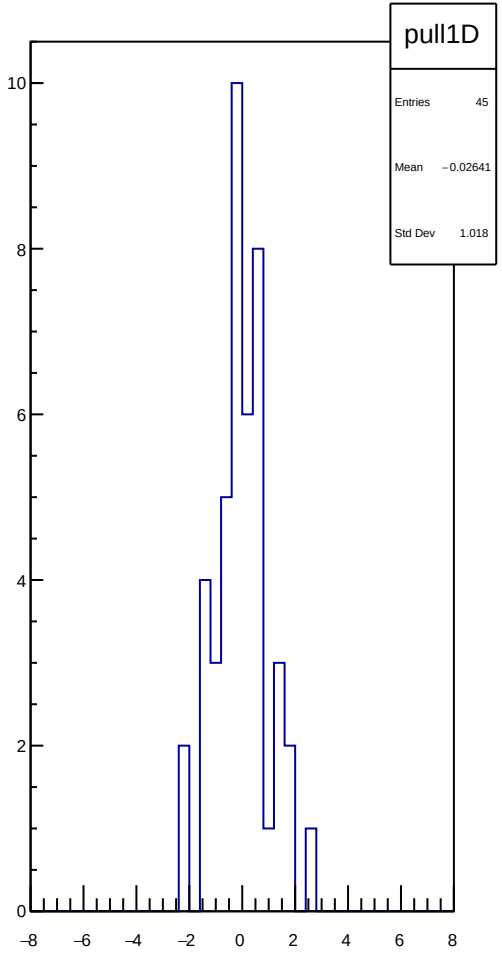

diff_bpm4ecX_rms vs run
χ² / ndf 616.2 / 44
p0 1.3e+04 ± 14.19
14000
13800
13600
13400
13200
13000
12800
12600
12400
12200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

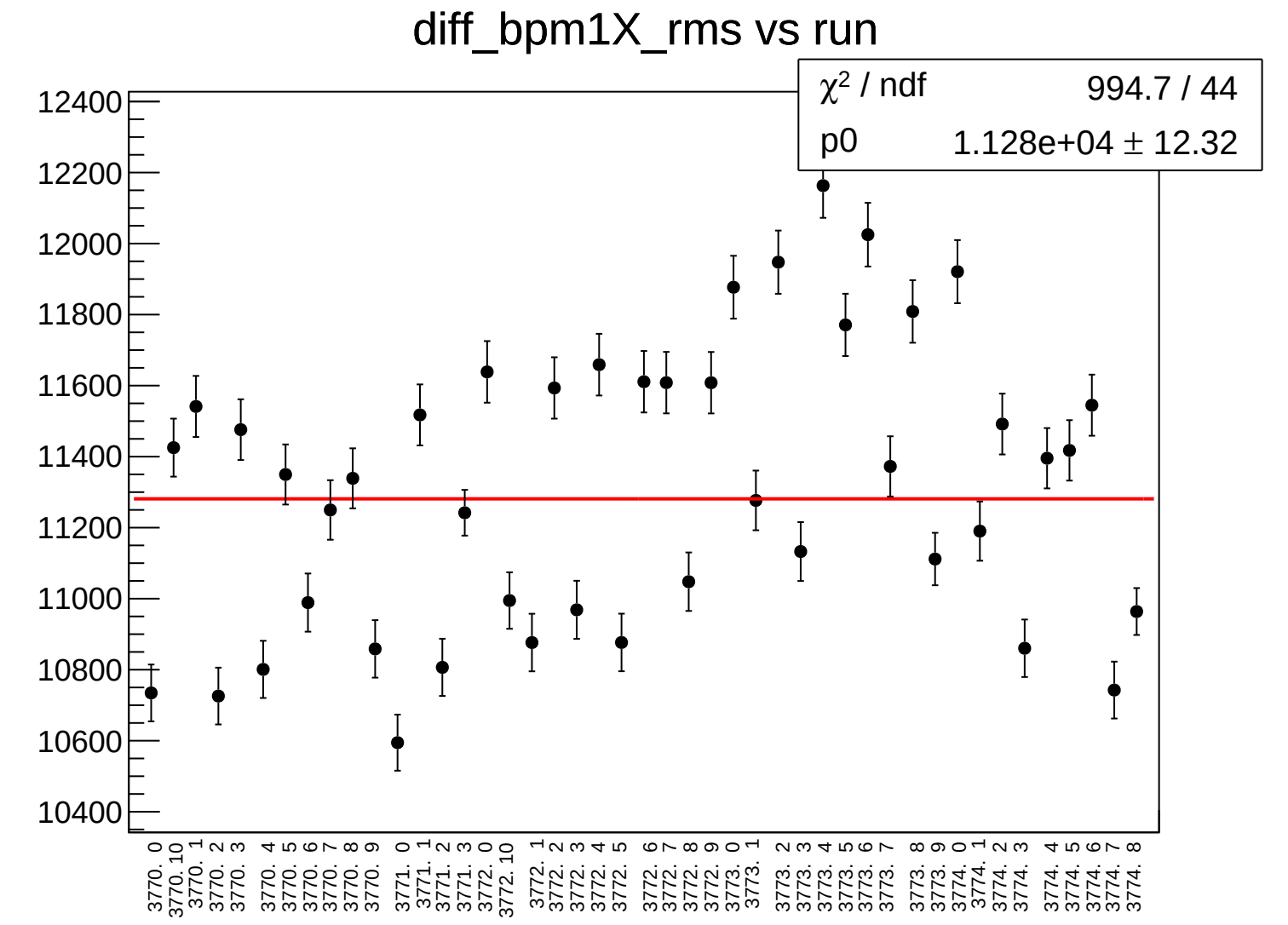

diff_bpm4ecY_mean vs run
χ² / ndf 52.04 / 44
p0 −2.314 ± 7.464
200
150
100
50
0
−50
−100
−150
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 274.4
Std Dev 250.5
2
1
0
−1
−2
−3

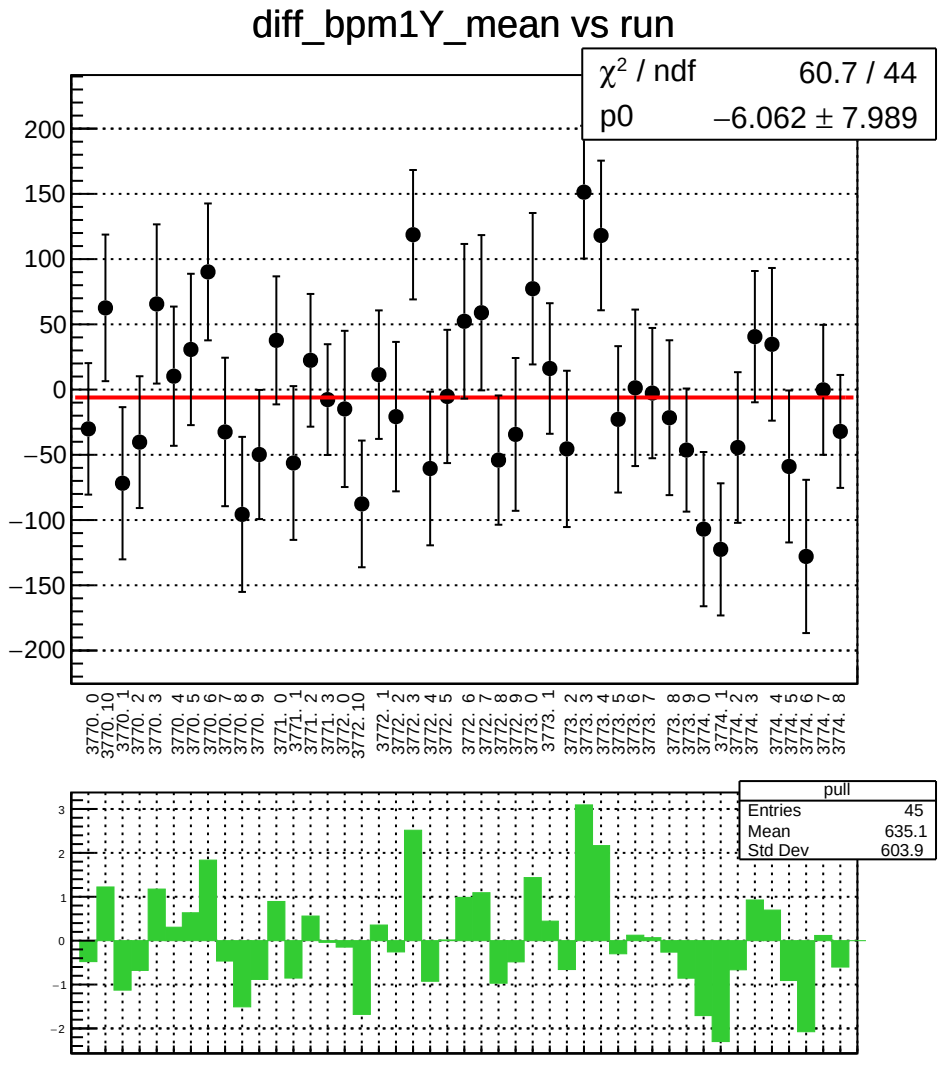

pull1D
Entries 45
Mean −0.0163
Std Dev 1.075
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

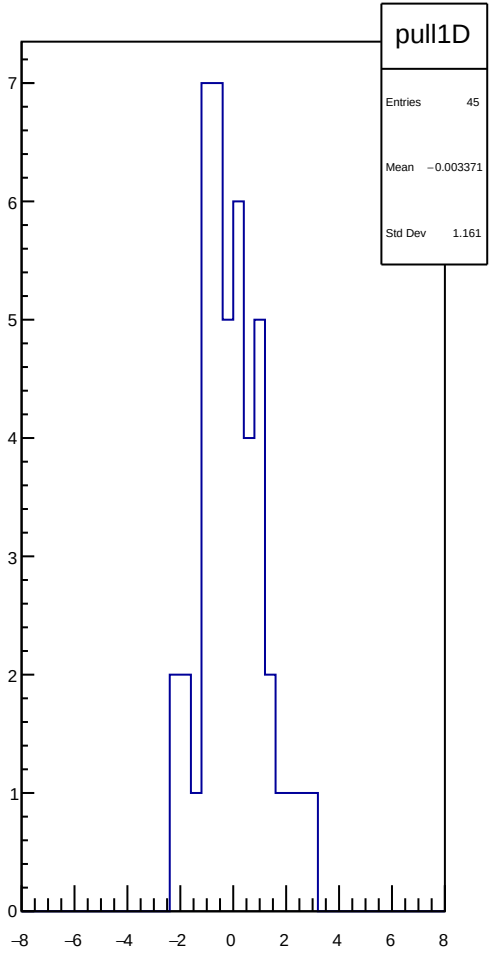

diff_bpm4ecY_rms vs run
χ² / ndf 2183 / 44
p0 4829 ± 5.278
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

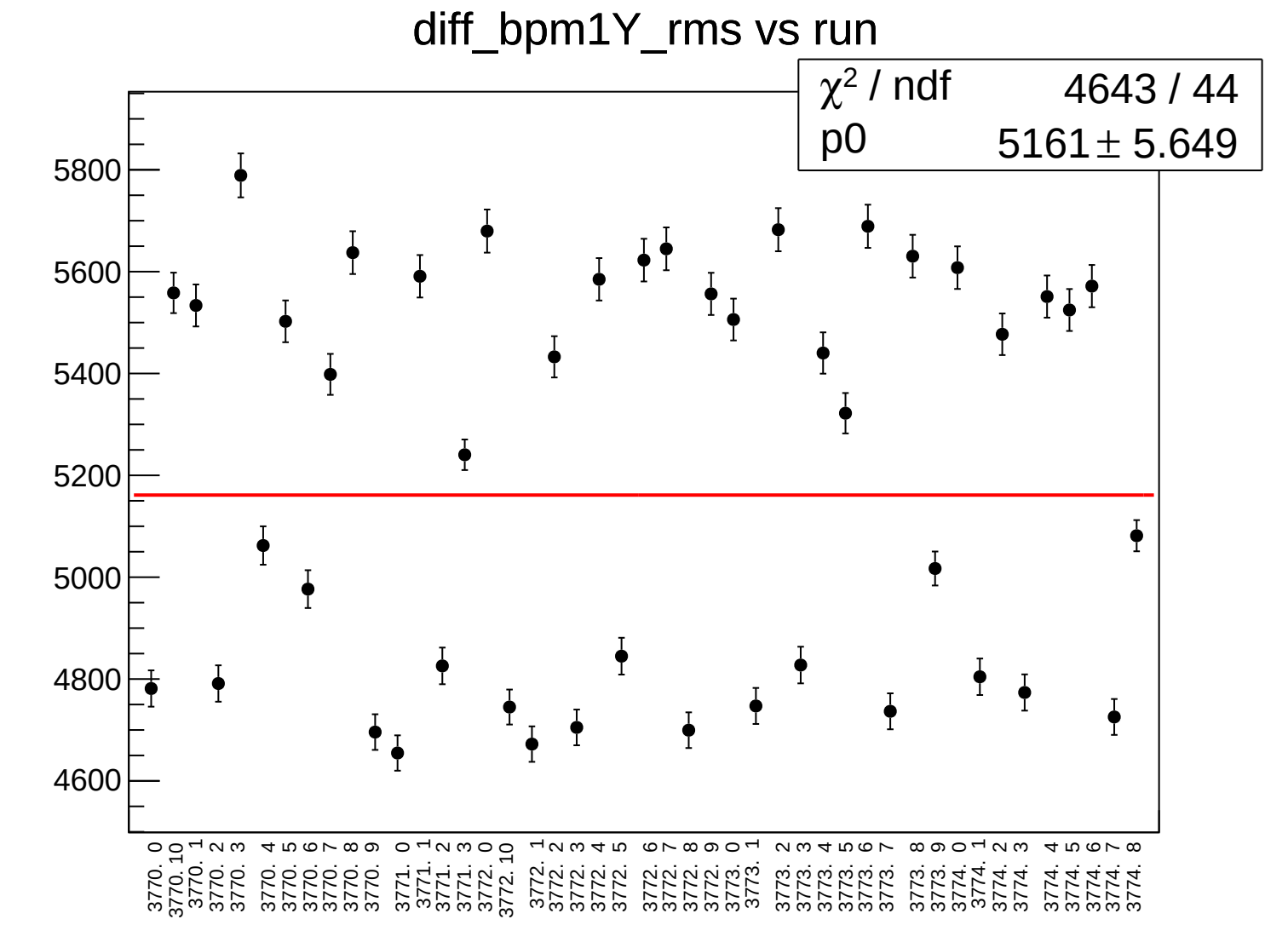

diff_bpm1X_mean vs run
χ² / ndf 46.64 / 44
p0 −3.522 ± 17.42
400
300
200
100
0
−100
−200
−300
−400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 54.49
Std Dev 28.32
2
1
0
−1
−2

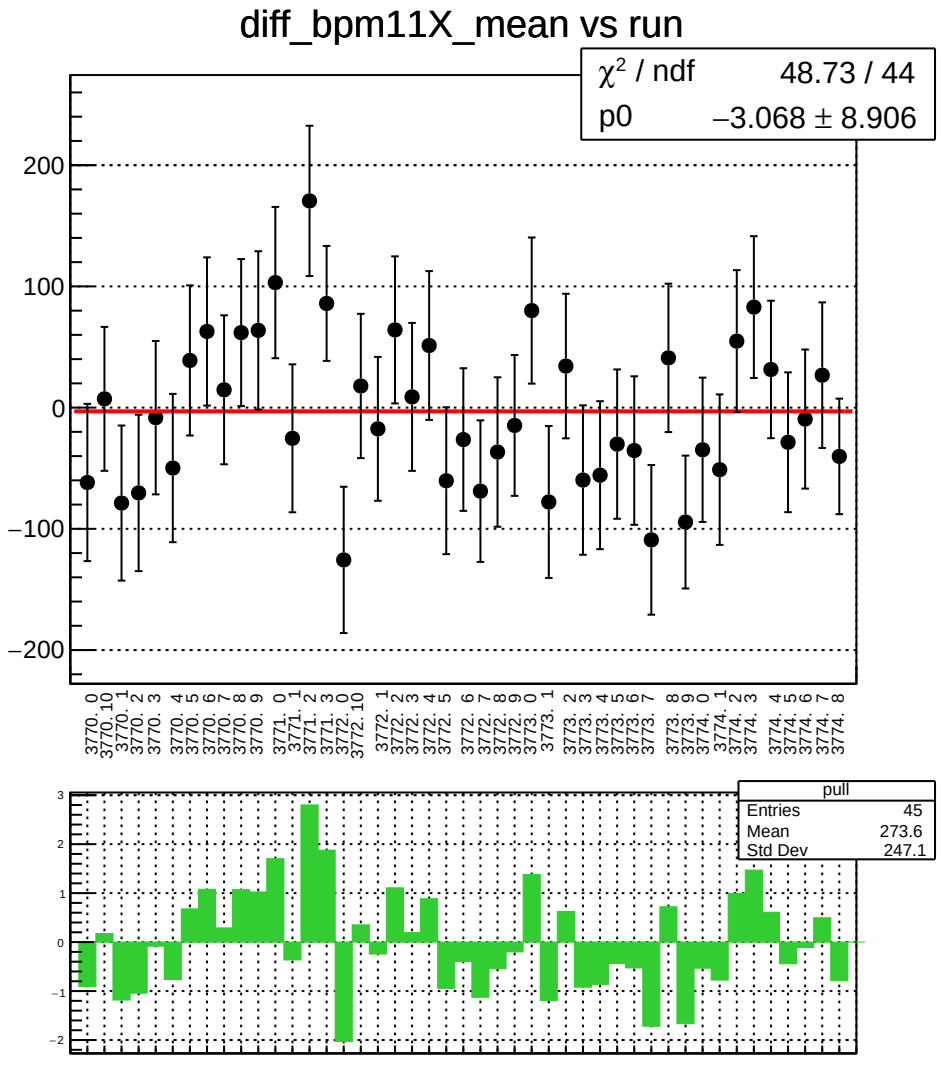

pull1D
Entries 45
Mean −0.02641
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

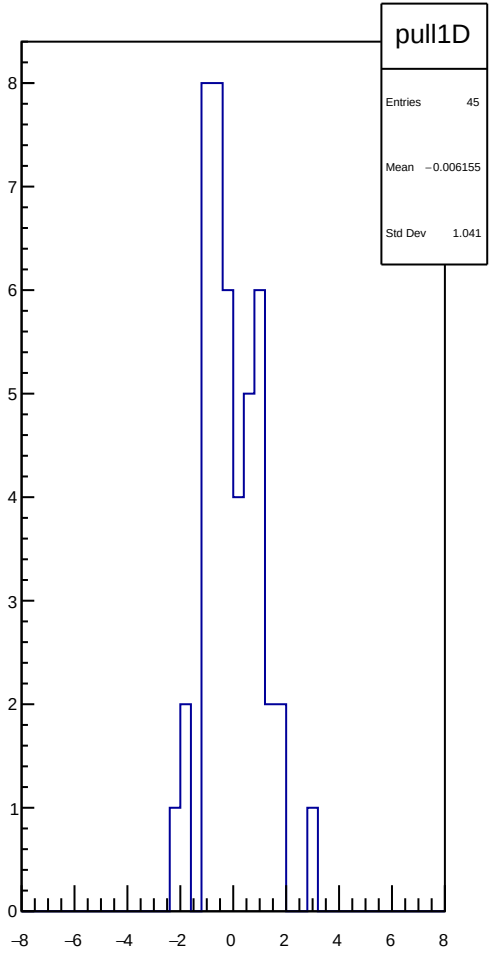

diff_bpm1X_rms vs run
χ² / ndf 994.7 / 44
p0 1.128e+04 ± 12.32
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600
10400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

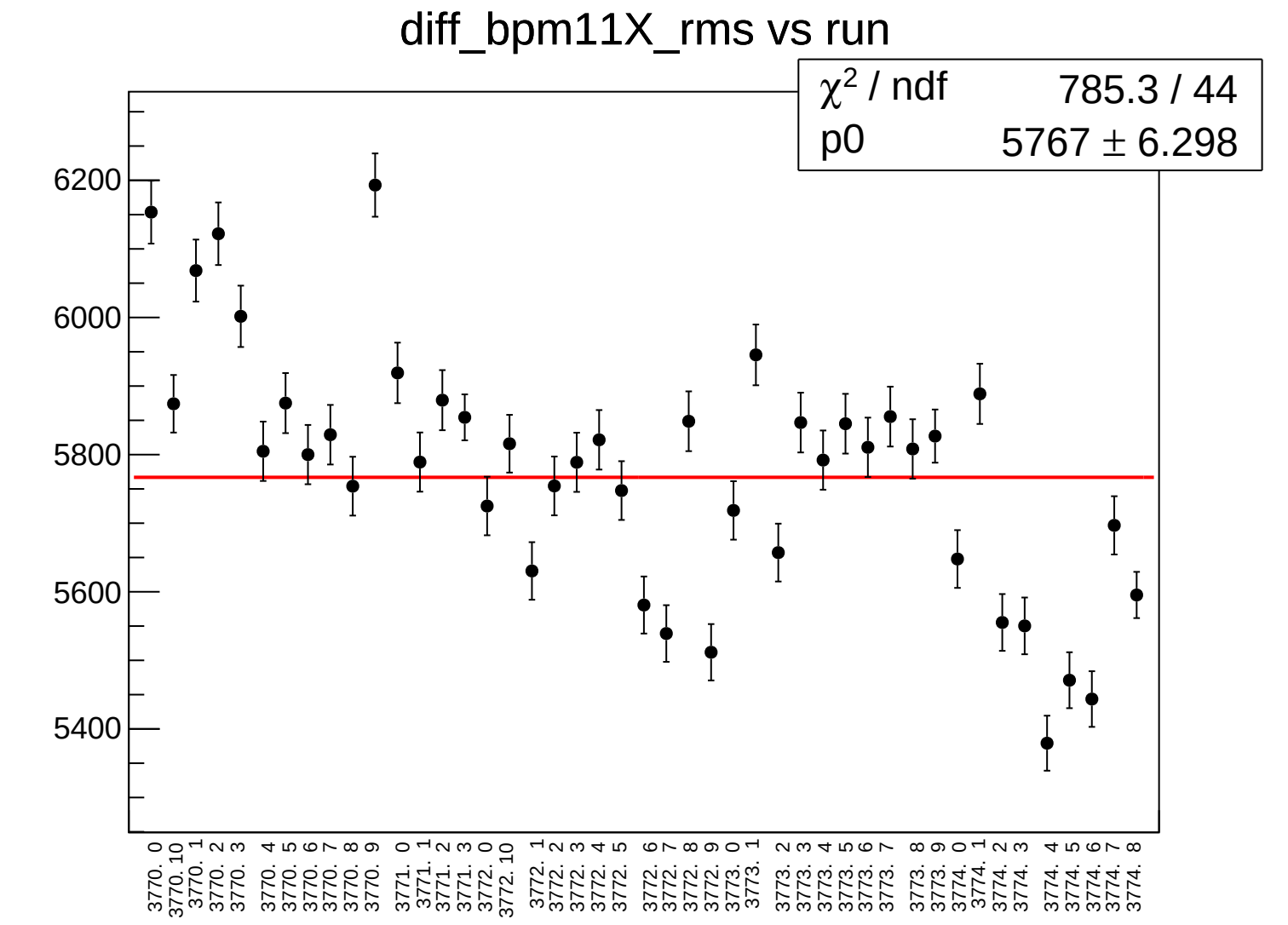

diff_bpm1Y_mean vs run
χ² / ndf 60.7 / 44
p0 −6.062 ± 7.989
200
150
100
50
0
−50
−100
−150
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 635.1
Std Dev 603.9
3
2
1
0
−1
−2

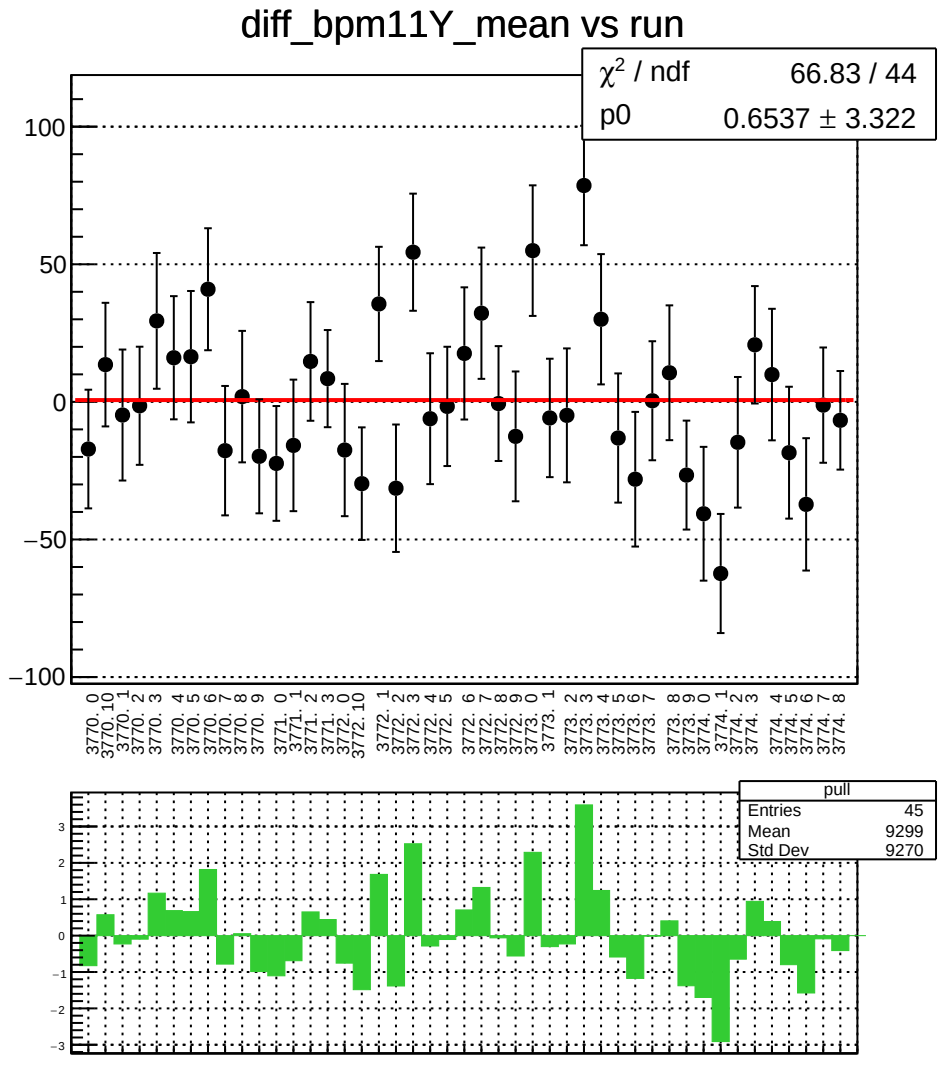

pull1D
Entries 45
Mean −0.003371
Std Dev 1.161
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

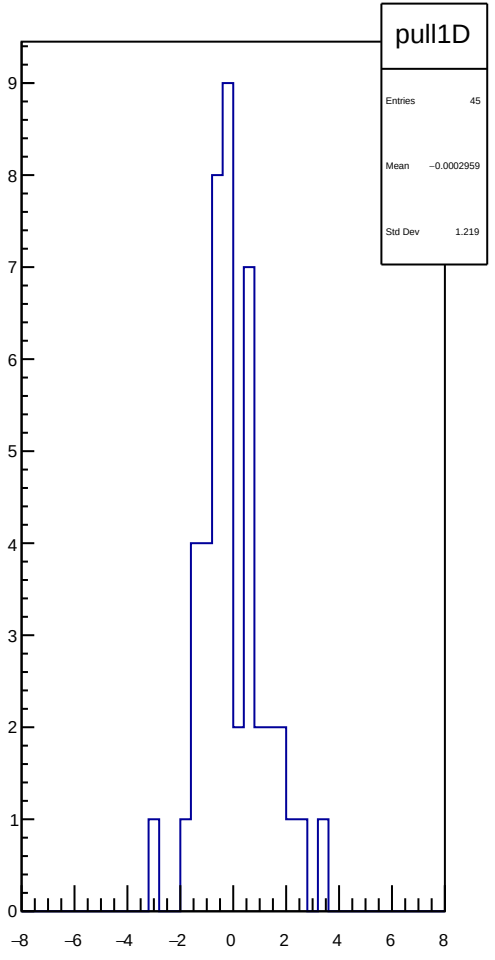

diff_bpm1Y_rms vs run
χ² / ndf 4643 / 44
p0 5161 ± 5.649
5800
5600
5400
5200
5000
4800
4600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

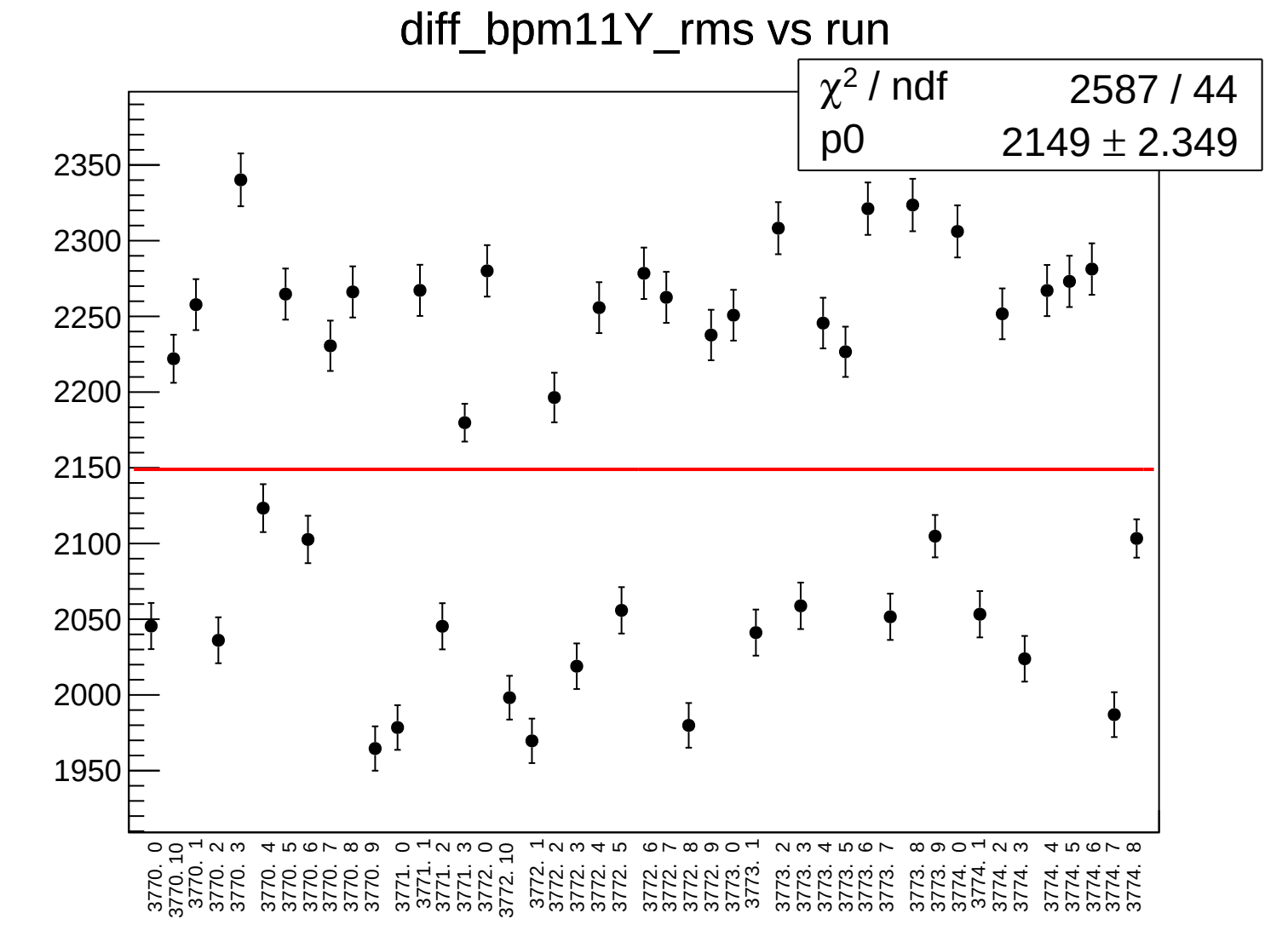

diff_bpm11X_mean vs run
χ² / ndf 48.73 / 44
p0 −3.068 ± 8.906
200
100
0
−100
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 273.6
Std Dev 247.1
3
2
1
0
−1
−2

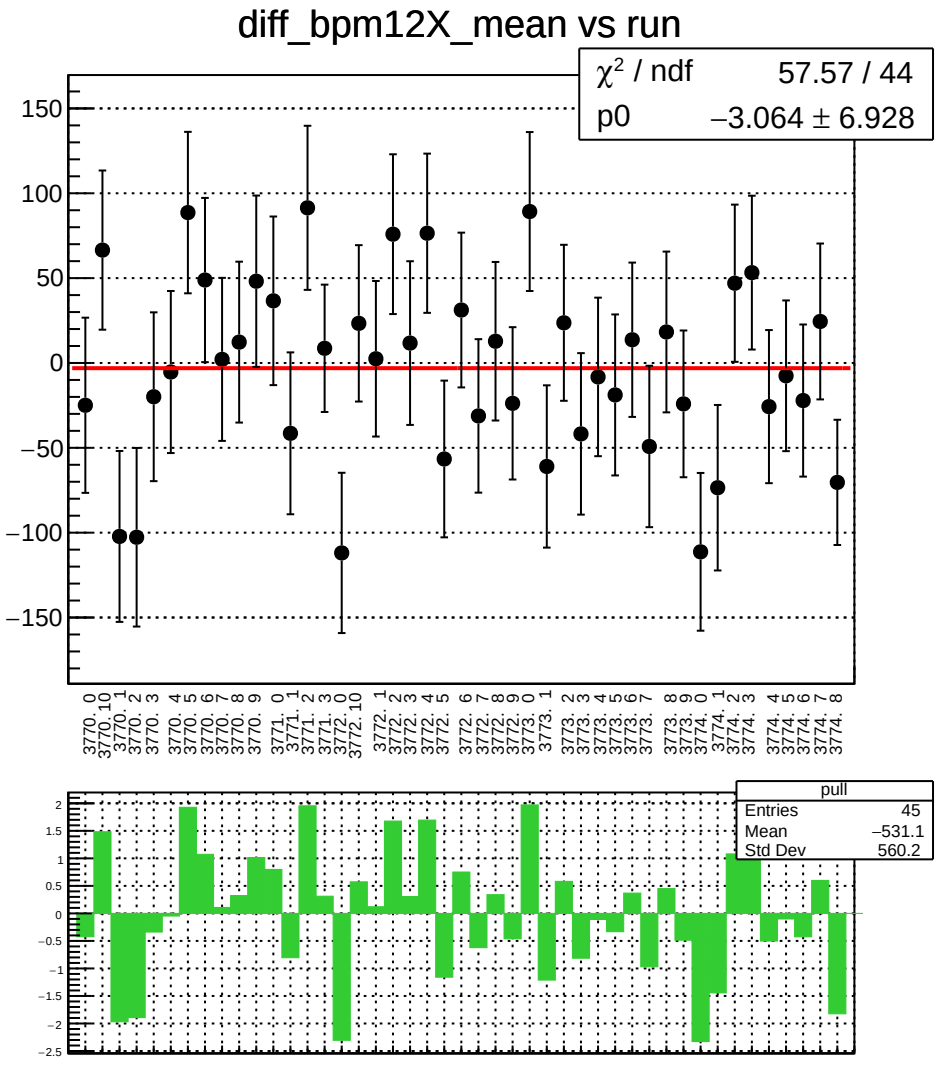

pull1D
Entries 45
Mean −0.006155
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

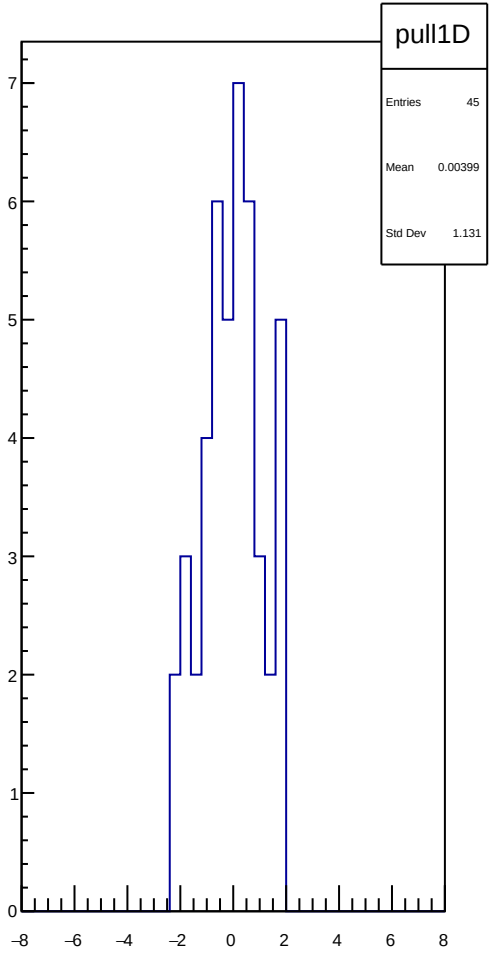

diff_bpm11X_rms vs run
χ² / ndf 785.3 / 44
p0 5767 ± 6.298
6200
6000
5800
5600
5400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

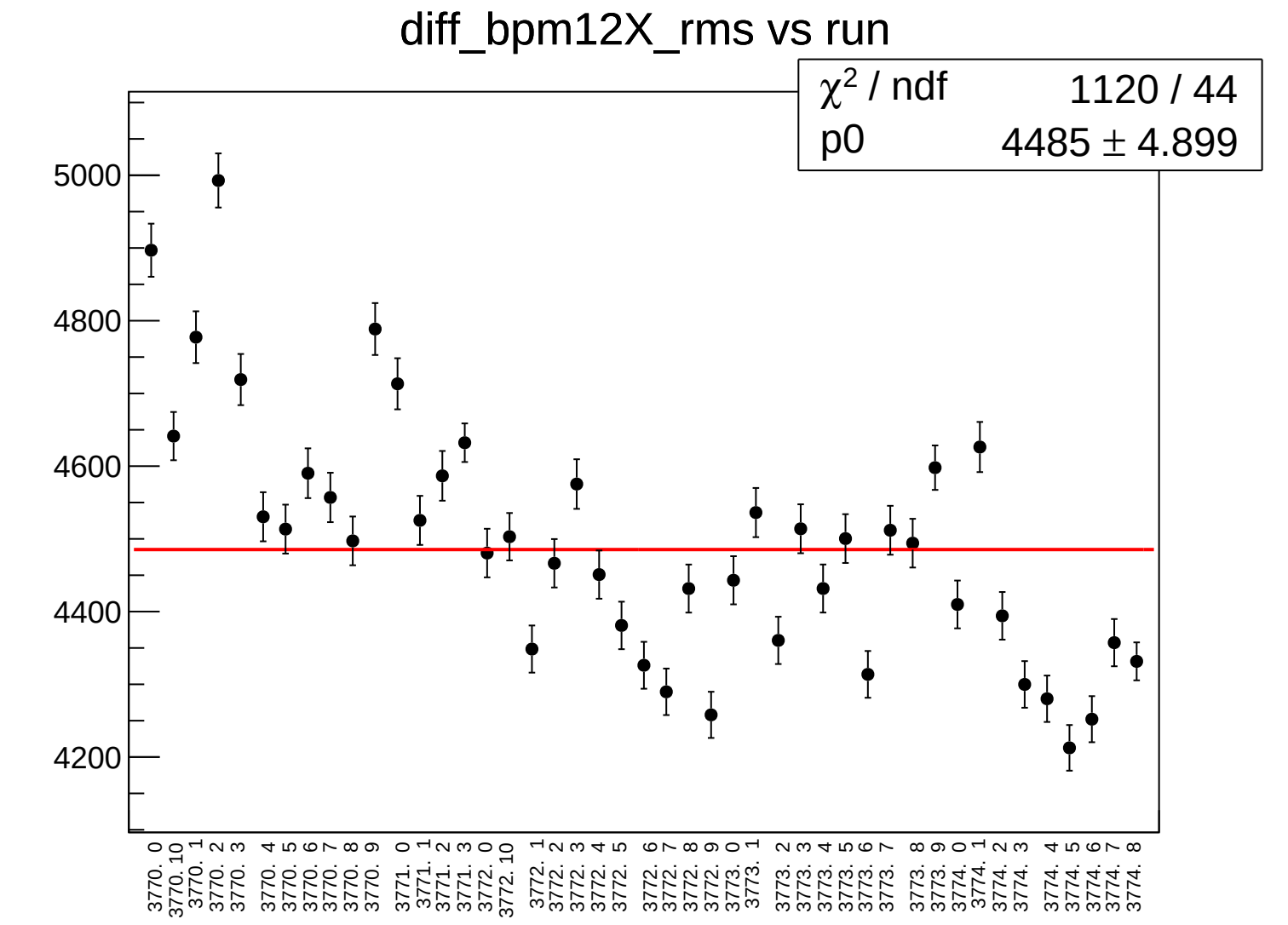

diff_bpm11Y_mean vs run
χ² / ndf 66.83 / 44
p0 0.6537 ± 3.322
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 9299
Std Dev 9270
3
2
1
0
−1
−2
−3

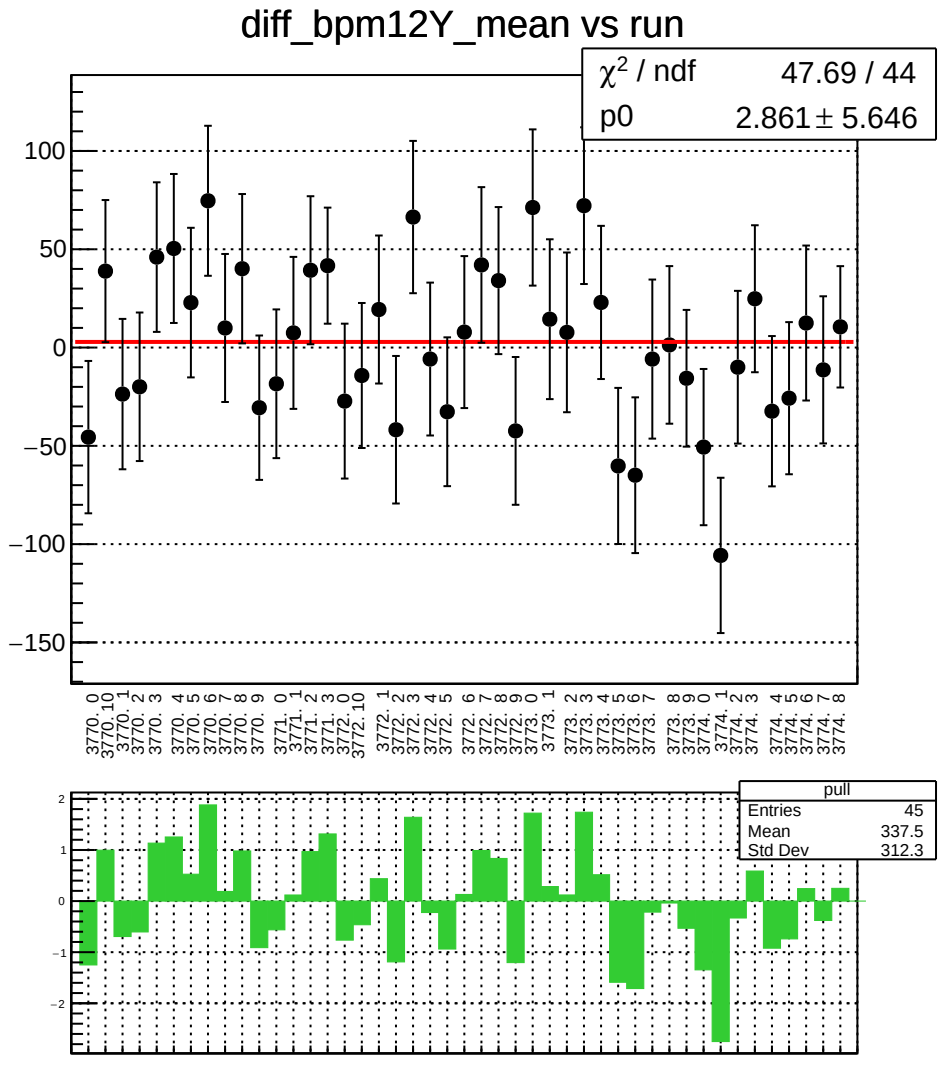

pull1D
Entries 45
Mean −0.0002959
Std Dev 1.219
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

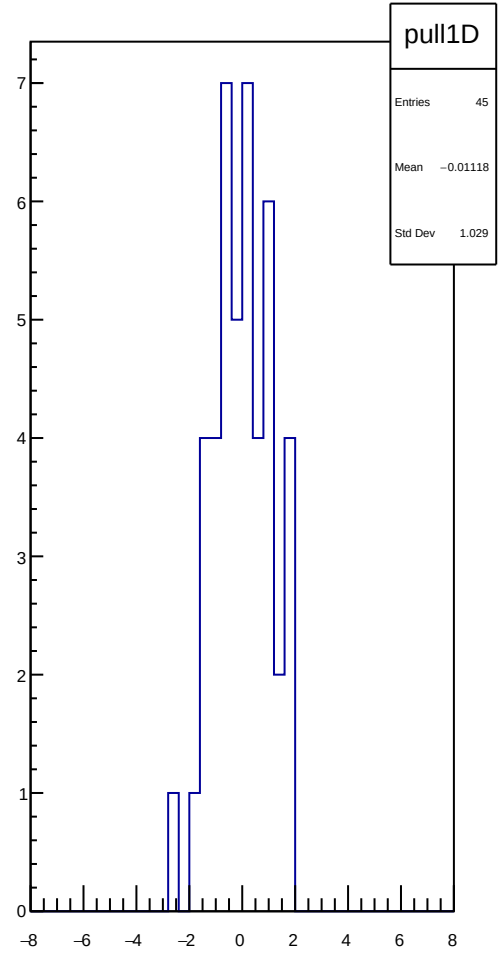

diff_bpm11Y_rms vs run
χ² / ndf 2587 / 44
p0 2149 ± 2.349
2350
2300
2250
2200
2150
2100
2050
2000
1950
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

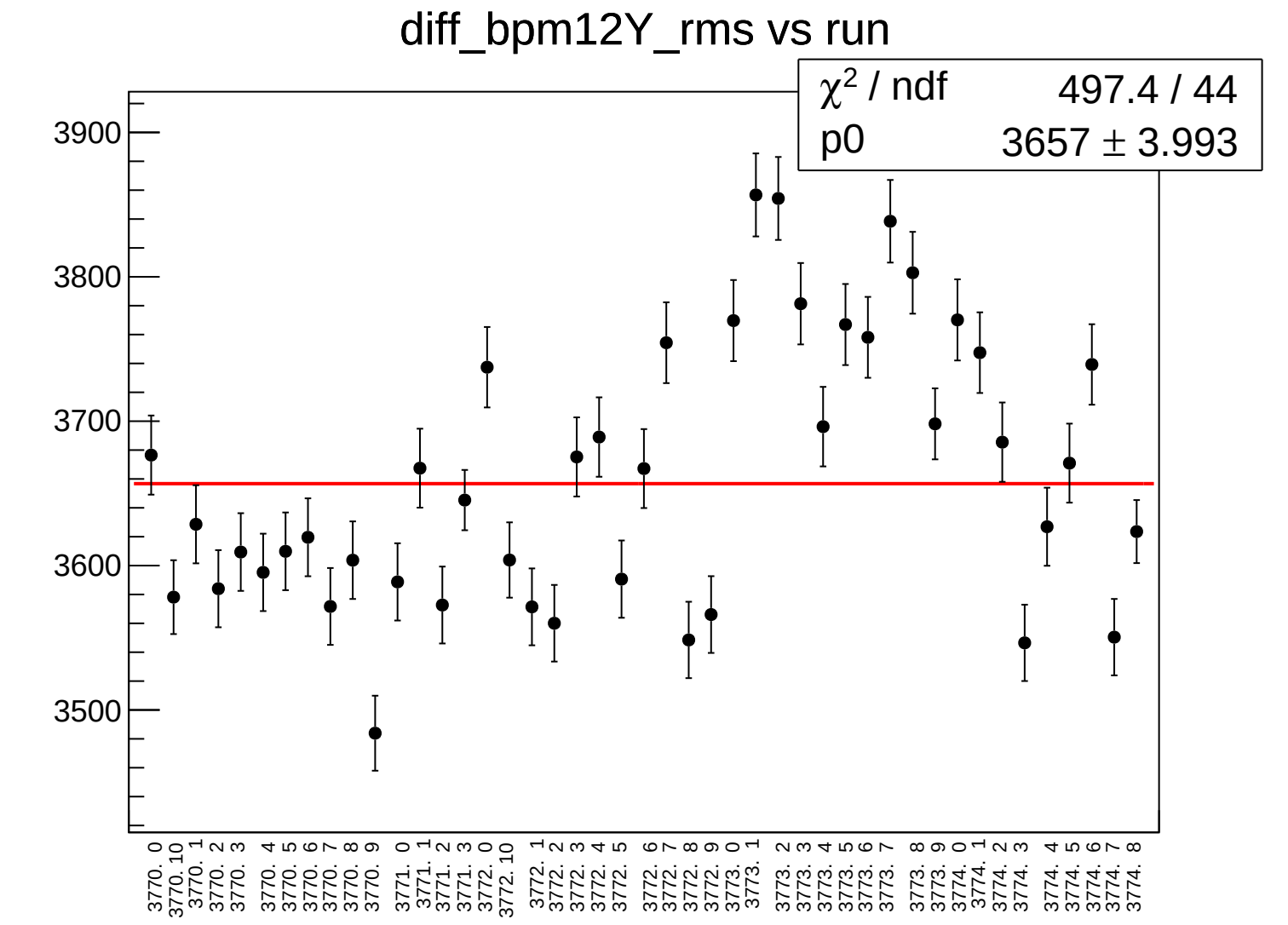

diff_bpm12X_mean vs run
χ² / ndf 57.57 / 44
p0 −3.064 ± 6.928
150
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −531.1
Std Dev 560.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

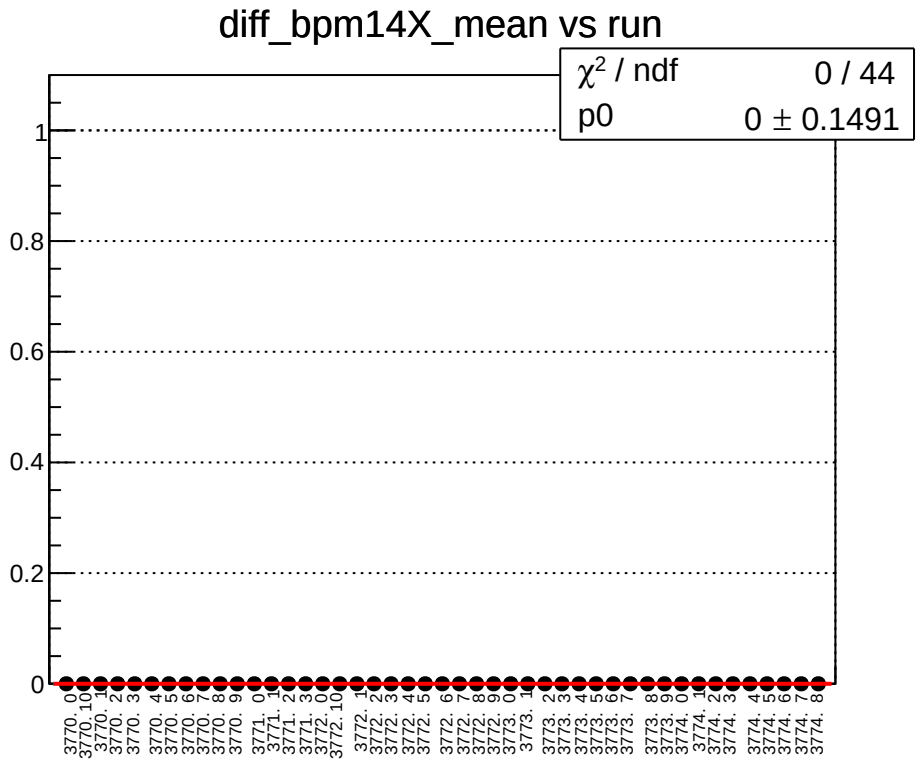

pull1D
Entries 45
Mean 0.00399
Std Dev 1.131
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

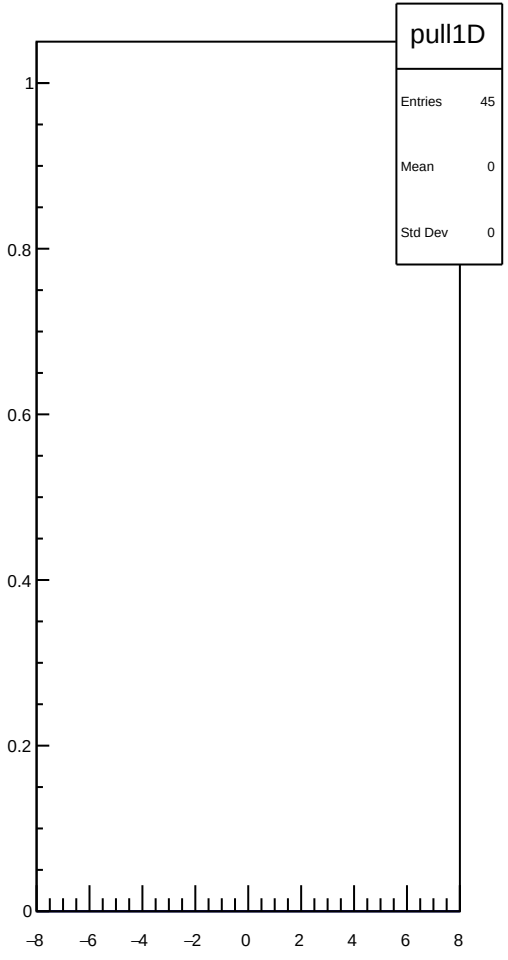

diff_bpm12X_rms vs run
χ² / ndf 1120 / 44
p0 4485 ± 4.899
5000
4800
4600
4400
4200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

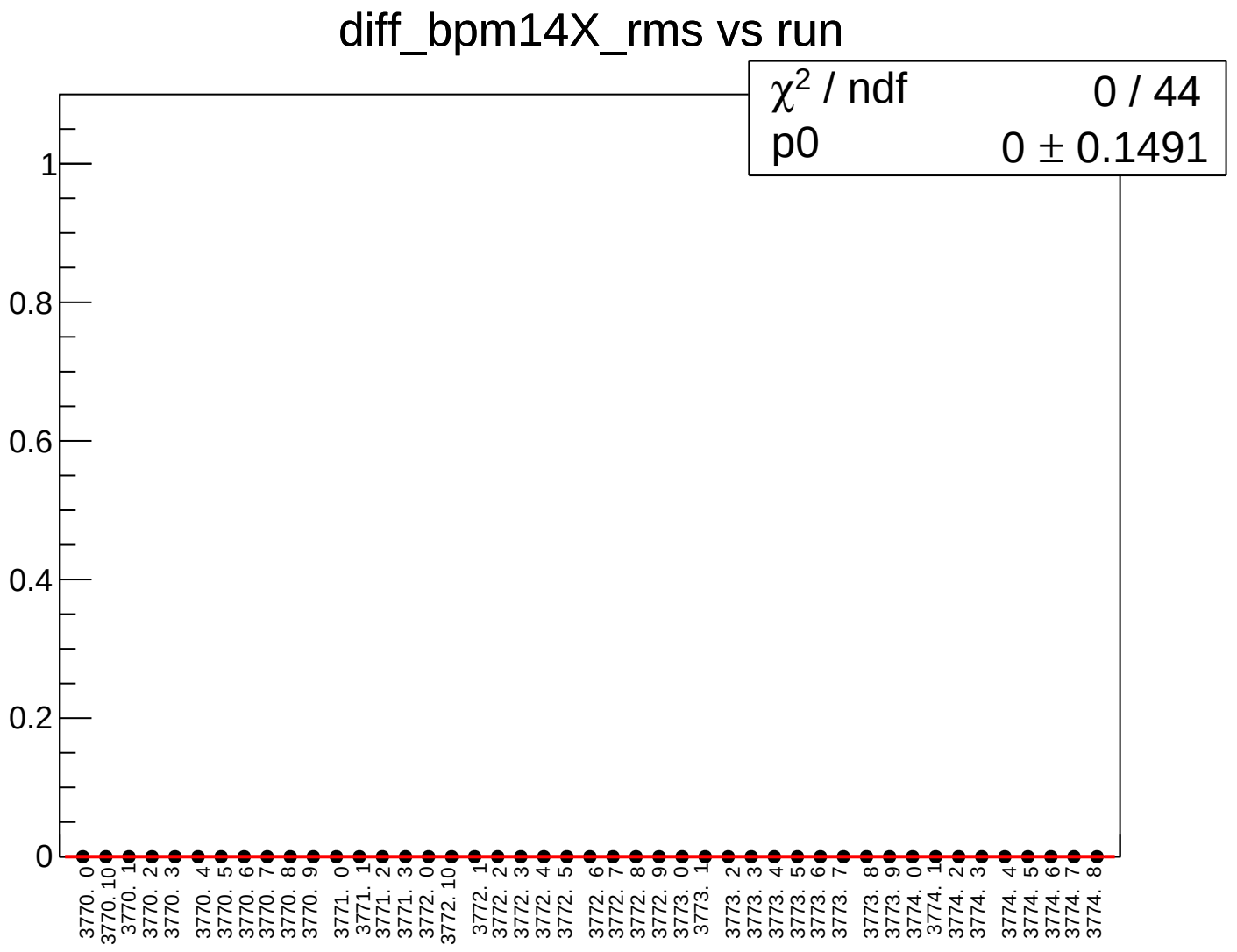

diff_bpm12Y_mean vs run
χ² / ndf 47.69 / 44
p0 2.861 ± 5.646
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 337.5
Std Dev 312.3
2
1
0
−1
−2

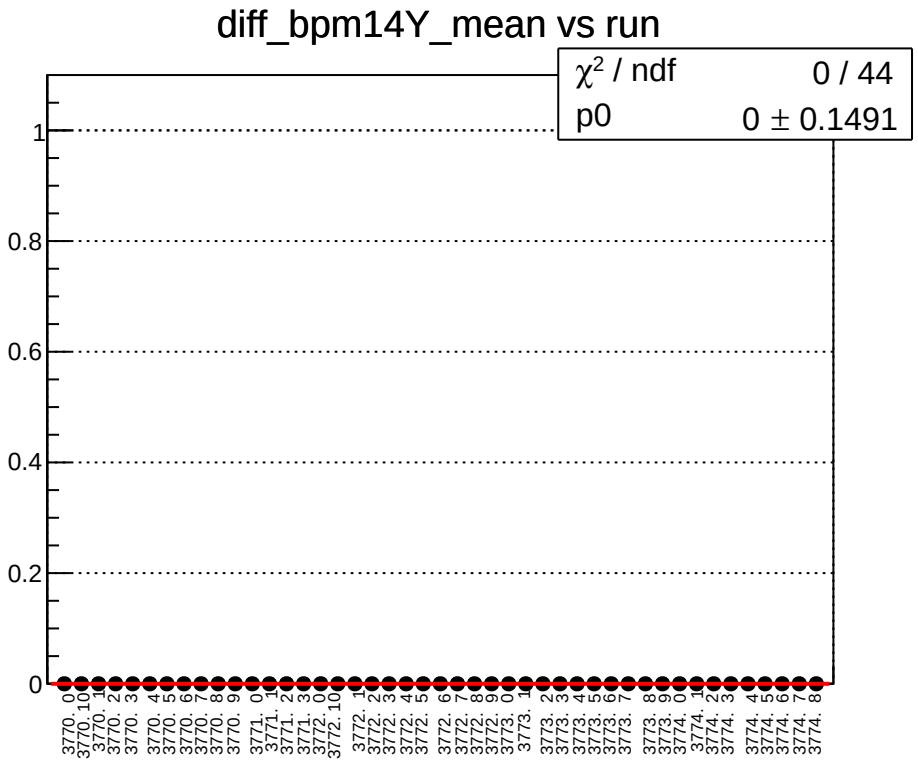

pull1D
Entries 45
Mean −0.01118
Std Dev 1.029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

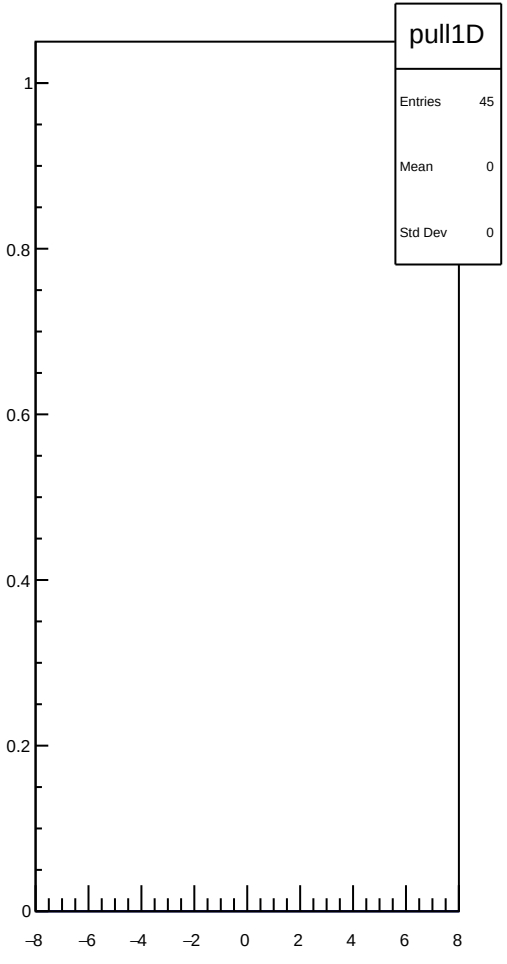

diff_bpm12Y_rms vs run
χ² / ndf 497.4 / 44
p0 3657 ± 3.993
3900
3800
3700
3600
3500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

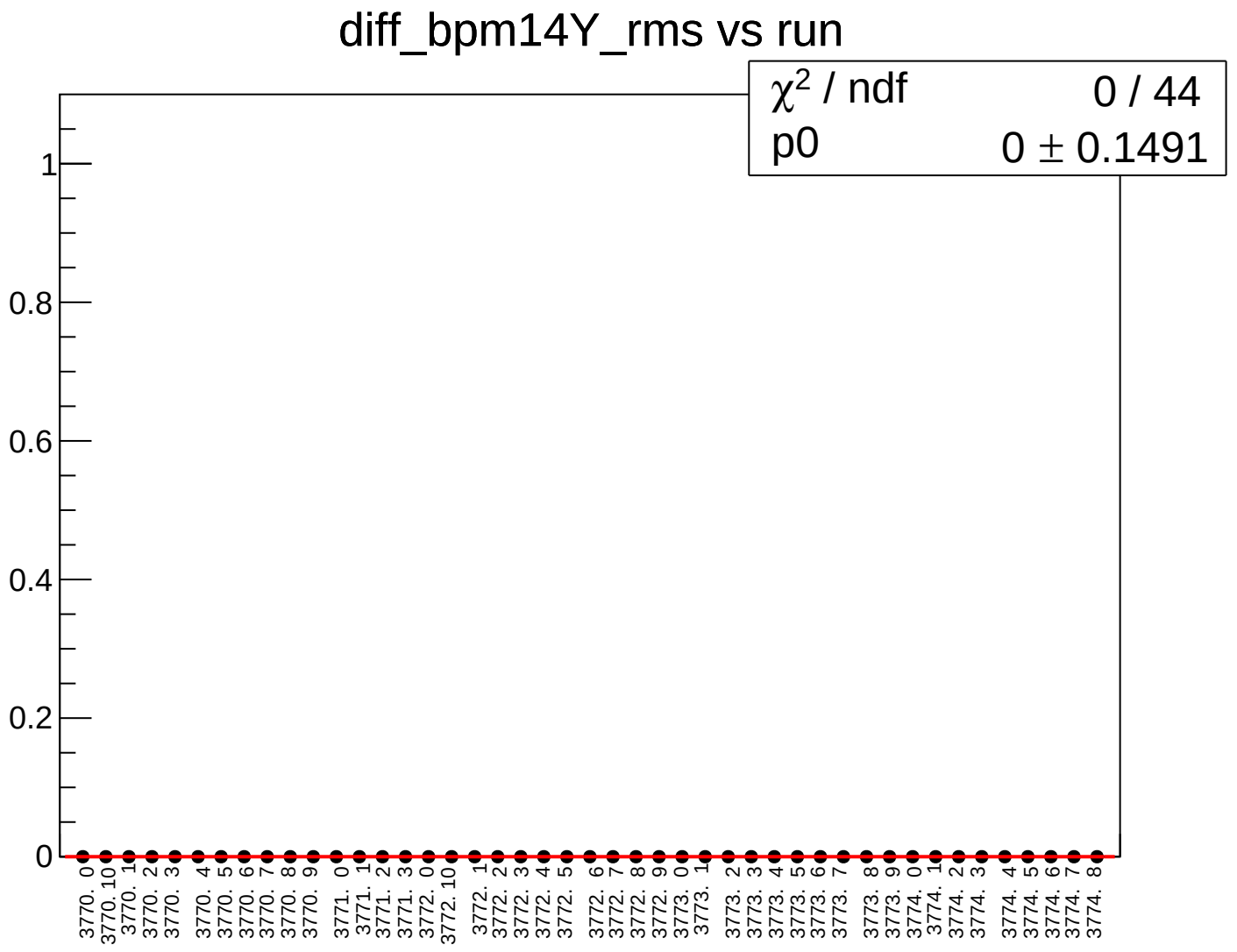

diff_bpm14X_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

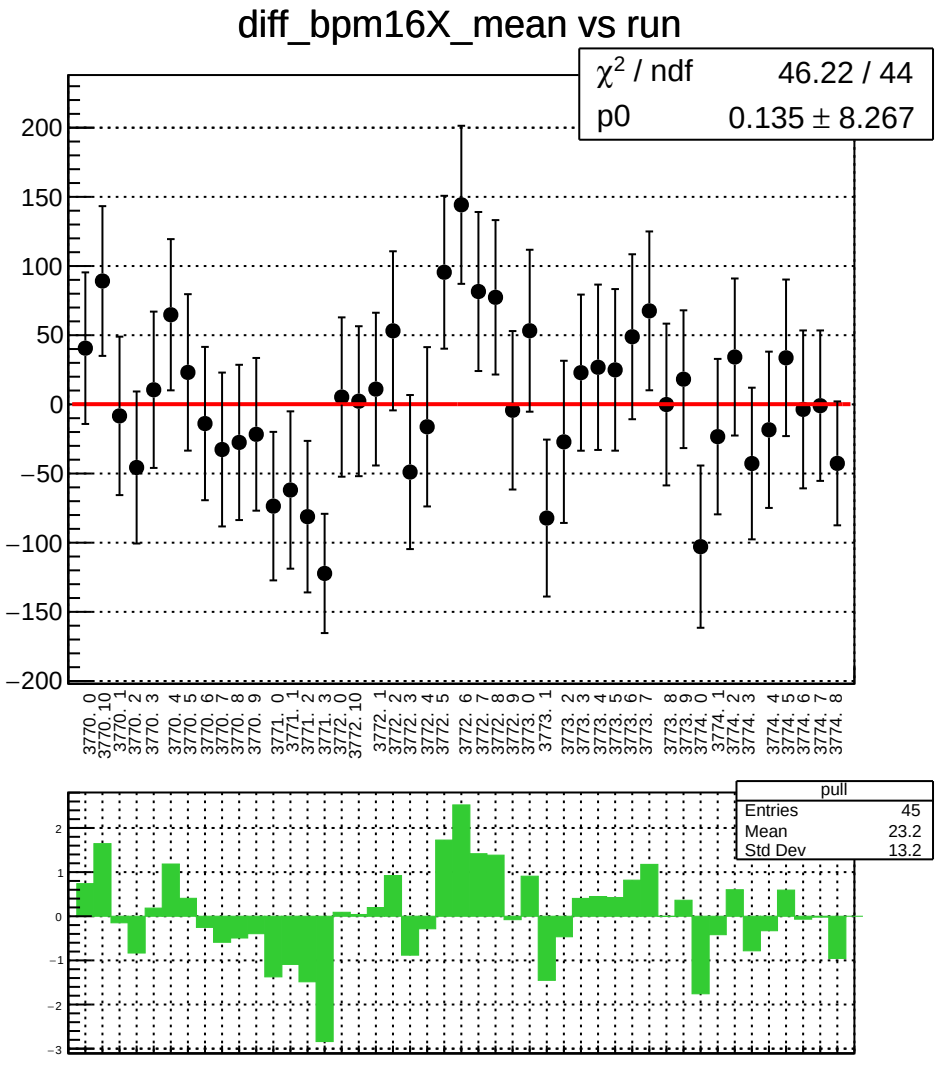

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

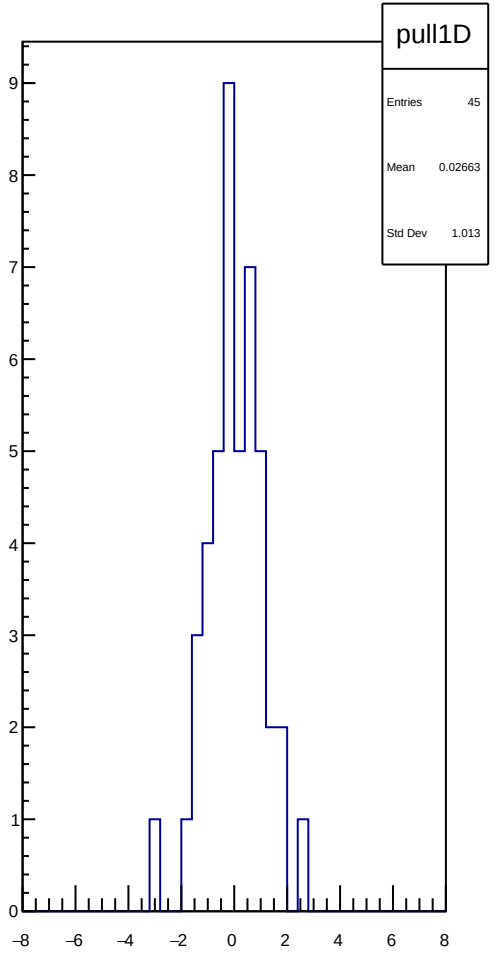

diff_bpm14X_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

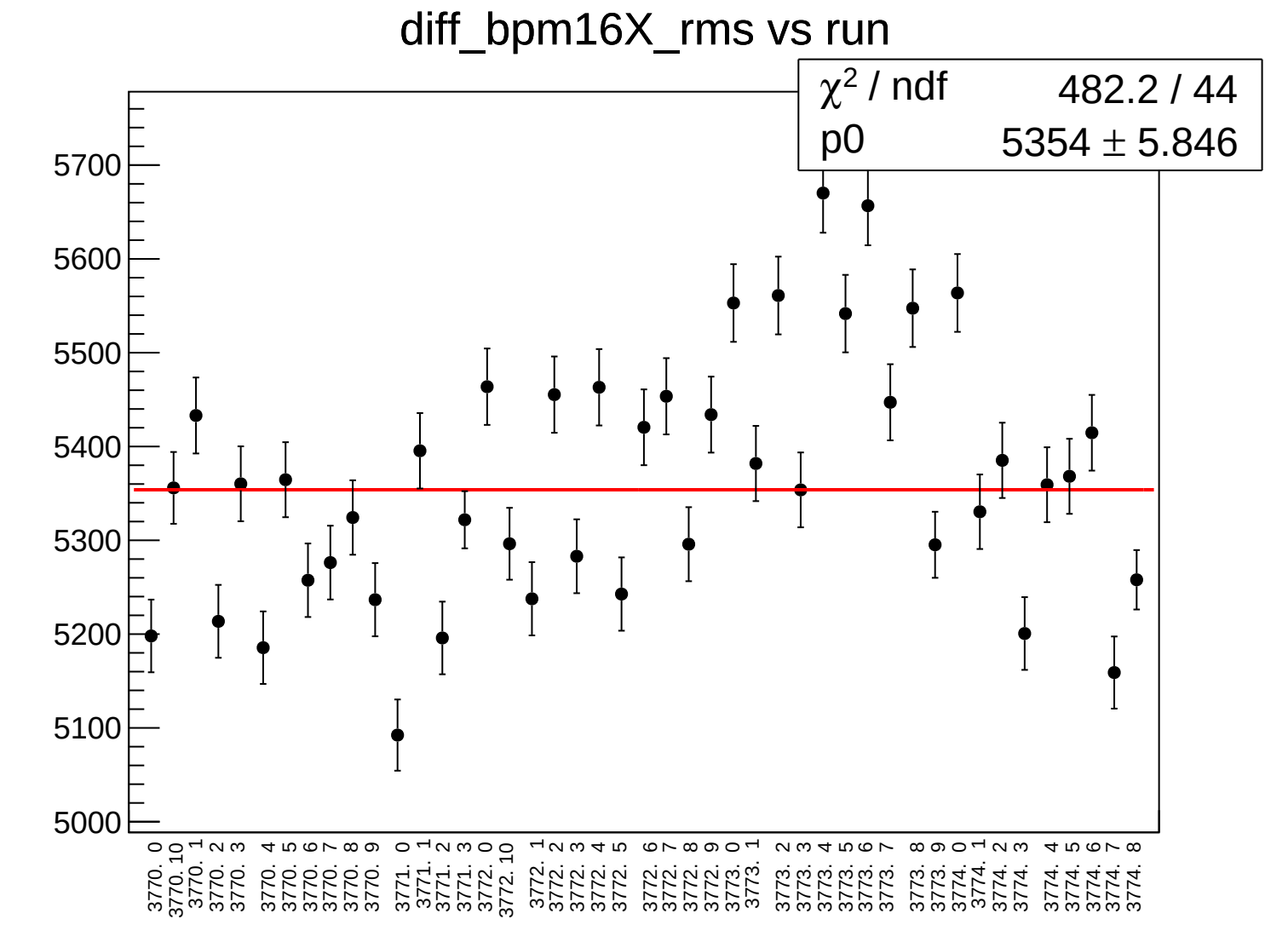

diff_bpm14Y_mean vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

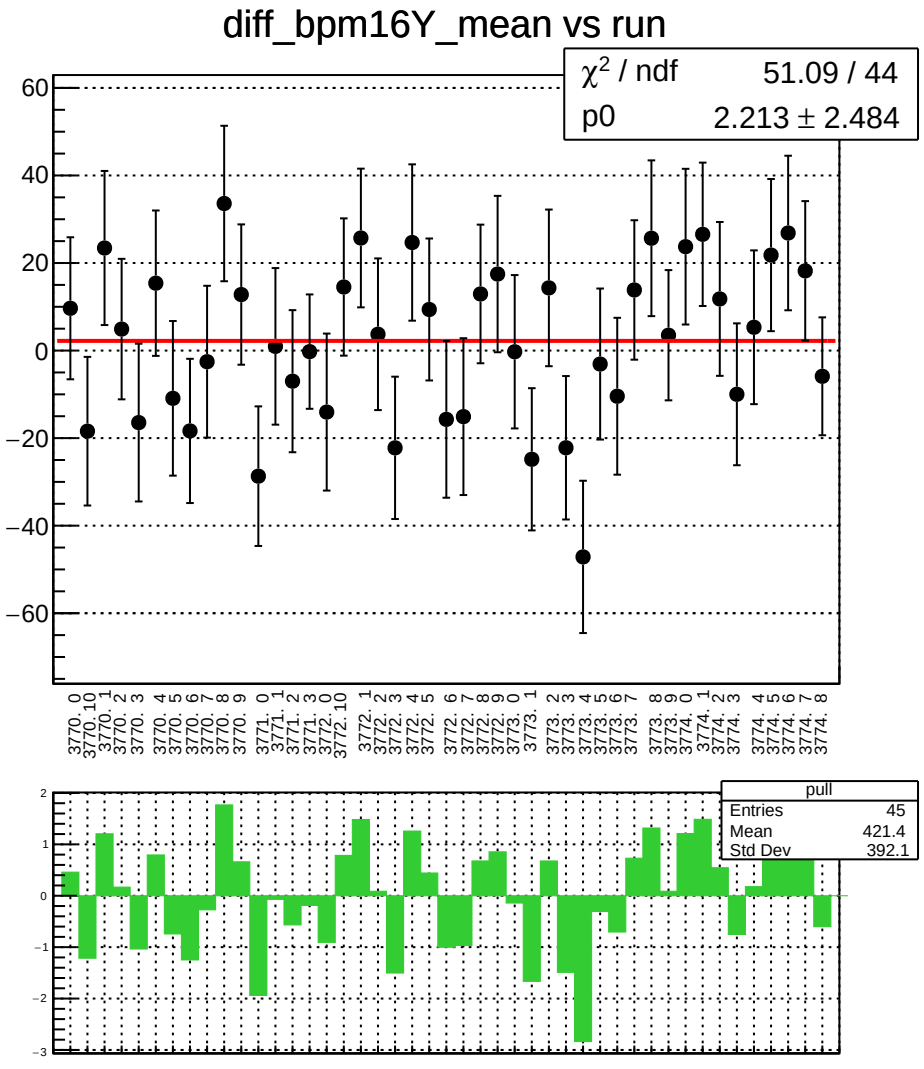

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

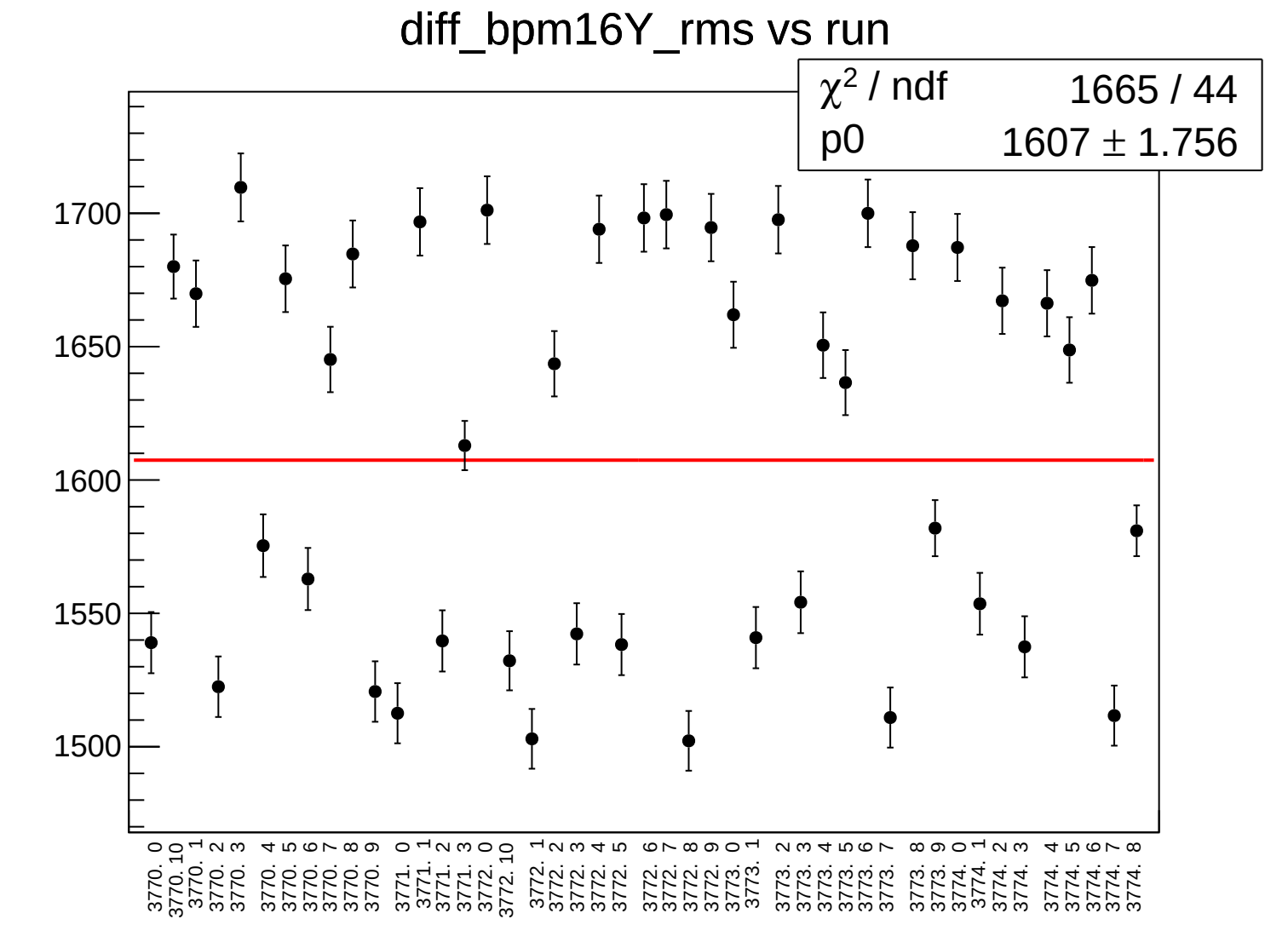

diff_bpm14Y_rms vs run
χ² / ndf 0 / 44
p0 0 ± 0.1491
1
0.8
0.6
0.4
0.2
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

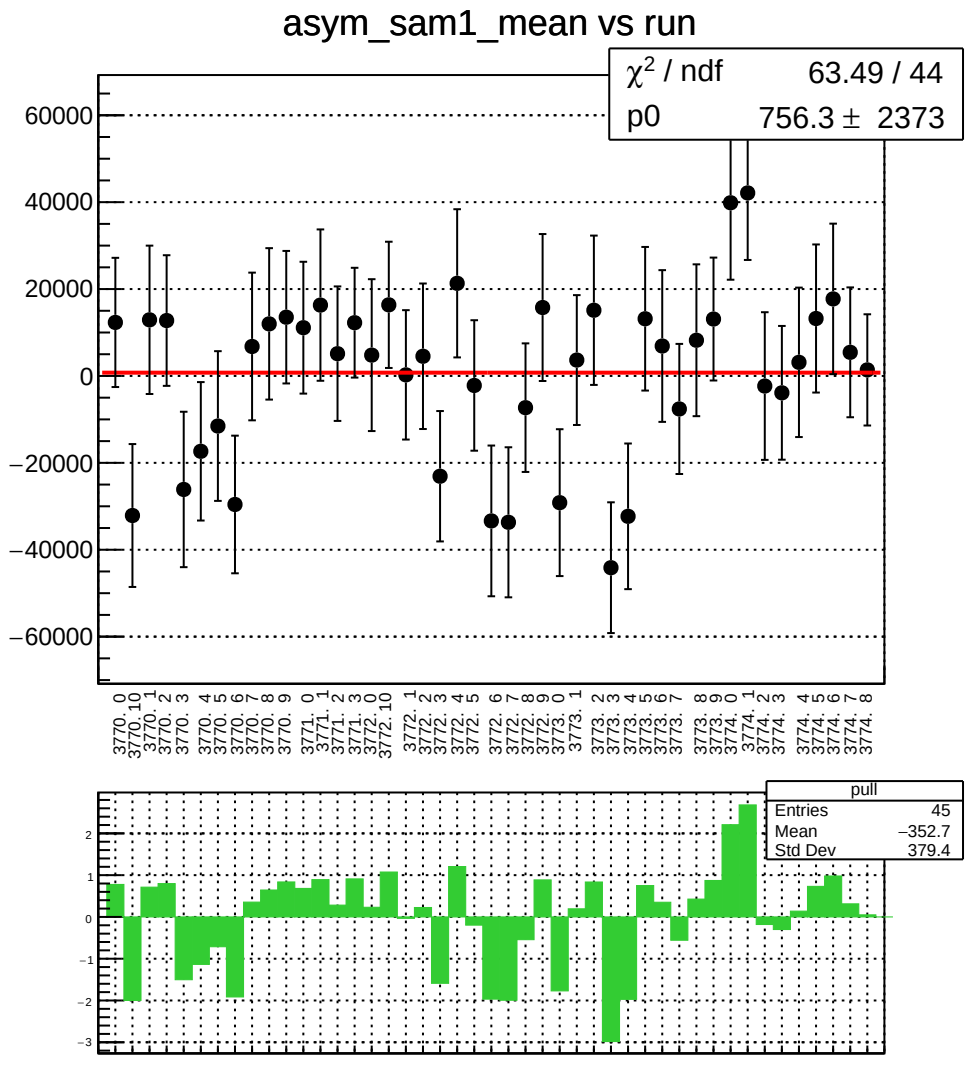

diff_bpm16X_mean vs run
χ^2 / ndf 46.22 / 44
p0 0.135 ± 8.267
pull
Entries 45
Mean 23.2
Std Dev 13.2

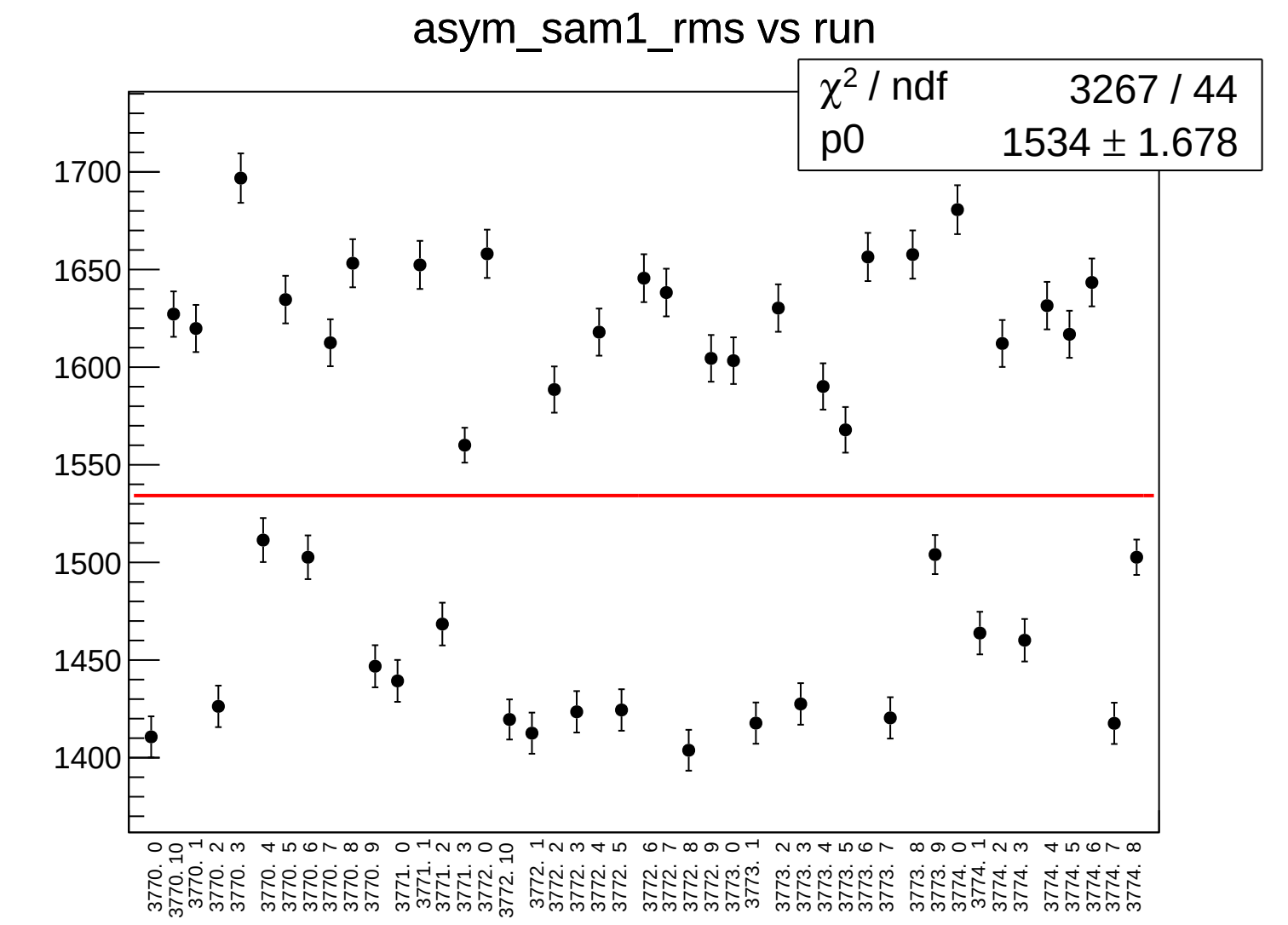

pull1D
Entries 45
Mean 0.02663
Std Dev 1.013

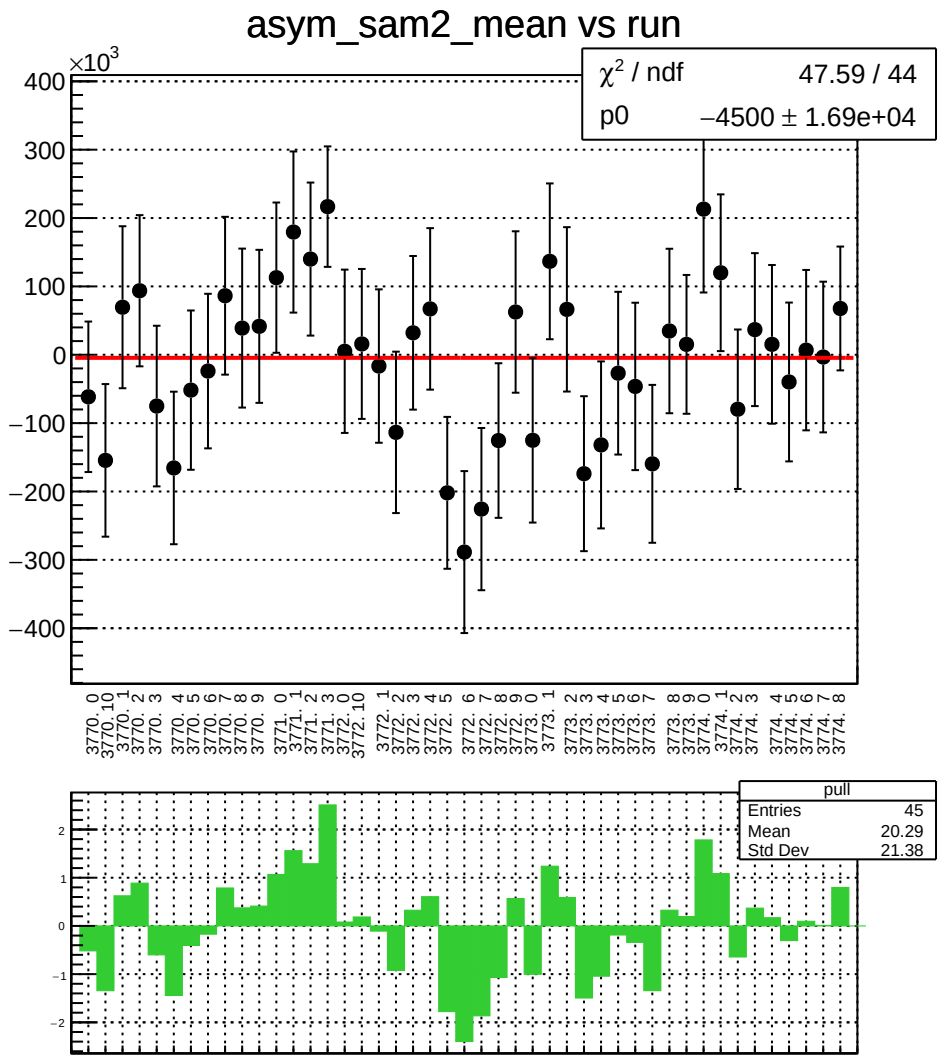

diff_bpm16X_rms vs run
χ² / ndf 482.2 / 44
p0 5354 ± 5.846
5700
5600
5500
5400
5300
5200
5100
5000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

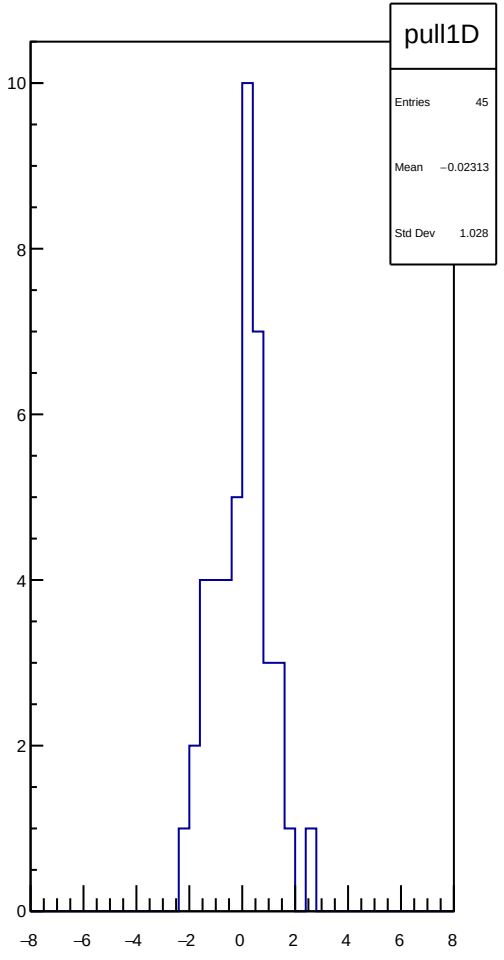

diff_bpm16Y_mean vs run
χ^2 / ndf 51.09 / 44
p0 2.213 ± 2.484
60
40
20
0
−20
−40
−60
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 421.4
Std Dev 392.1
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.005381
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

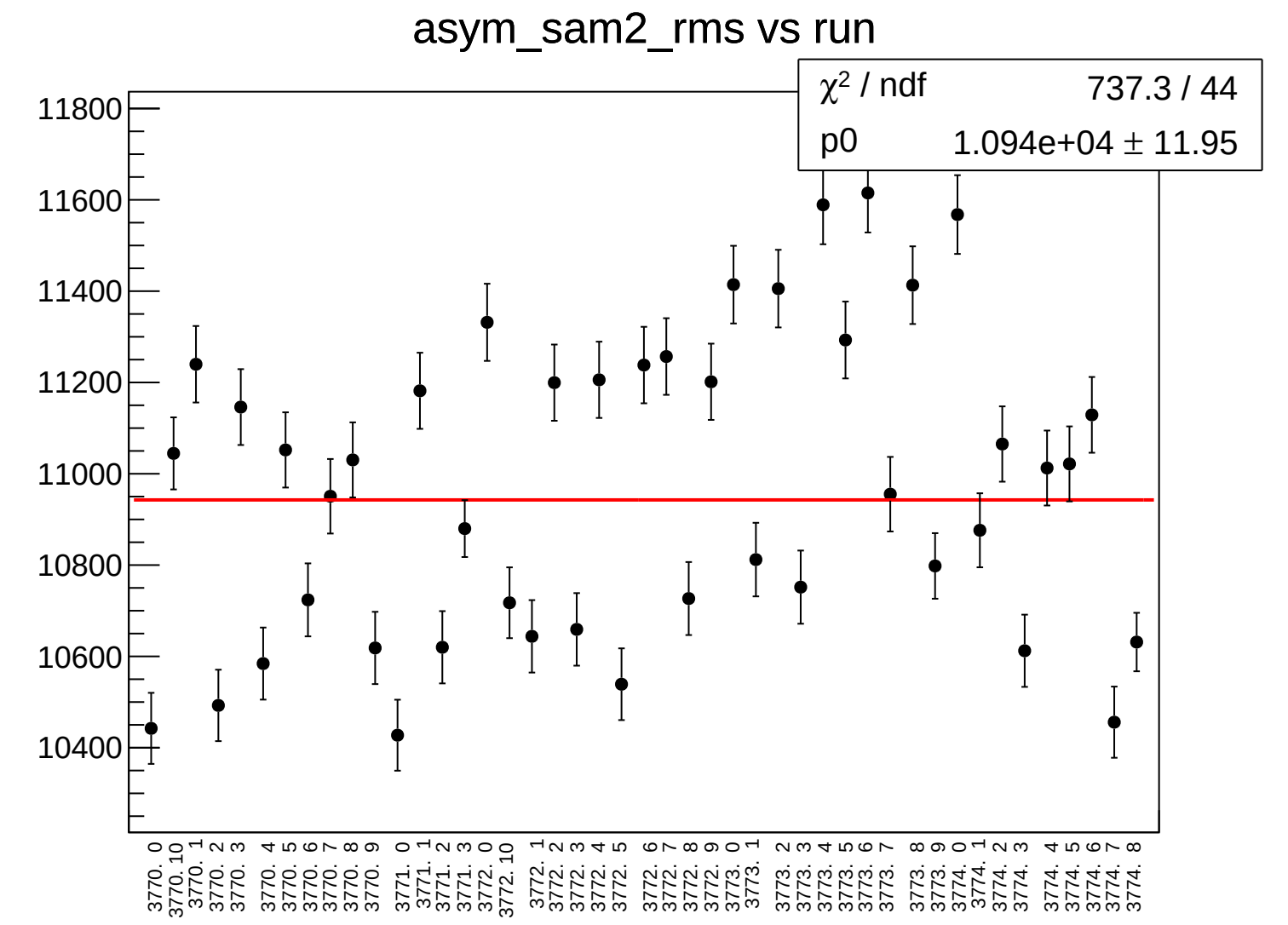

diff_bpm16Y_rms vs run
χ² / ndf 1665 / 44
p0 1607 ± 1.756
1700
1650
1600
1550
1500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

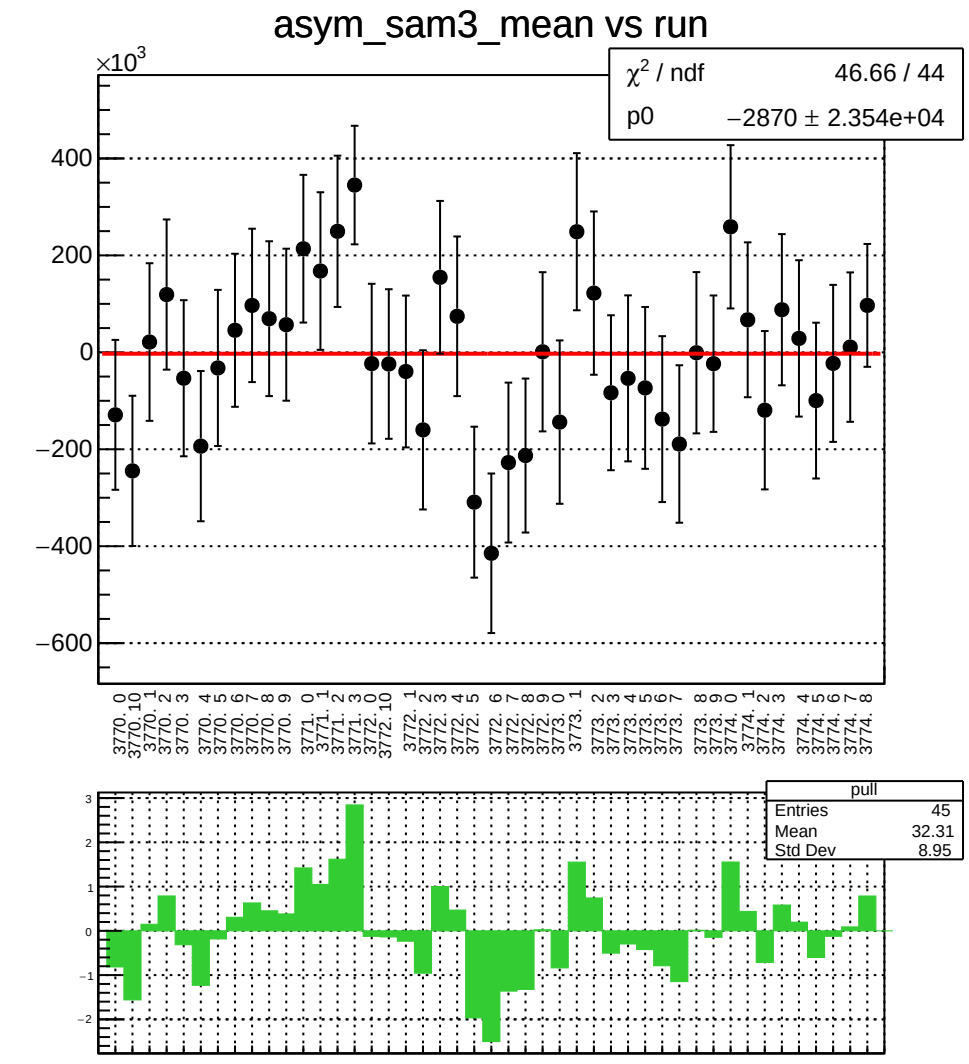

asym_sam1_mean vs run
χ² / ndf 63.49 / 44
p0 756.3 ± 2373
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −352.7
Std Dev 379.4
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.006827
Std Dev 1.188
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

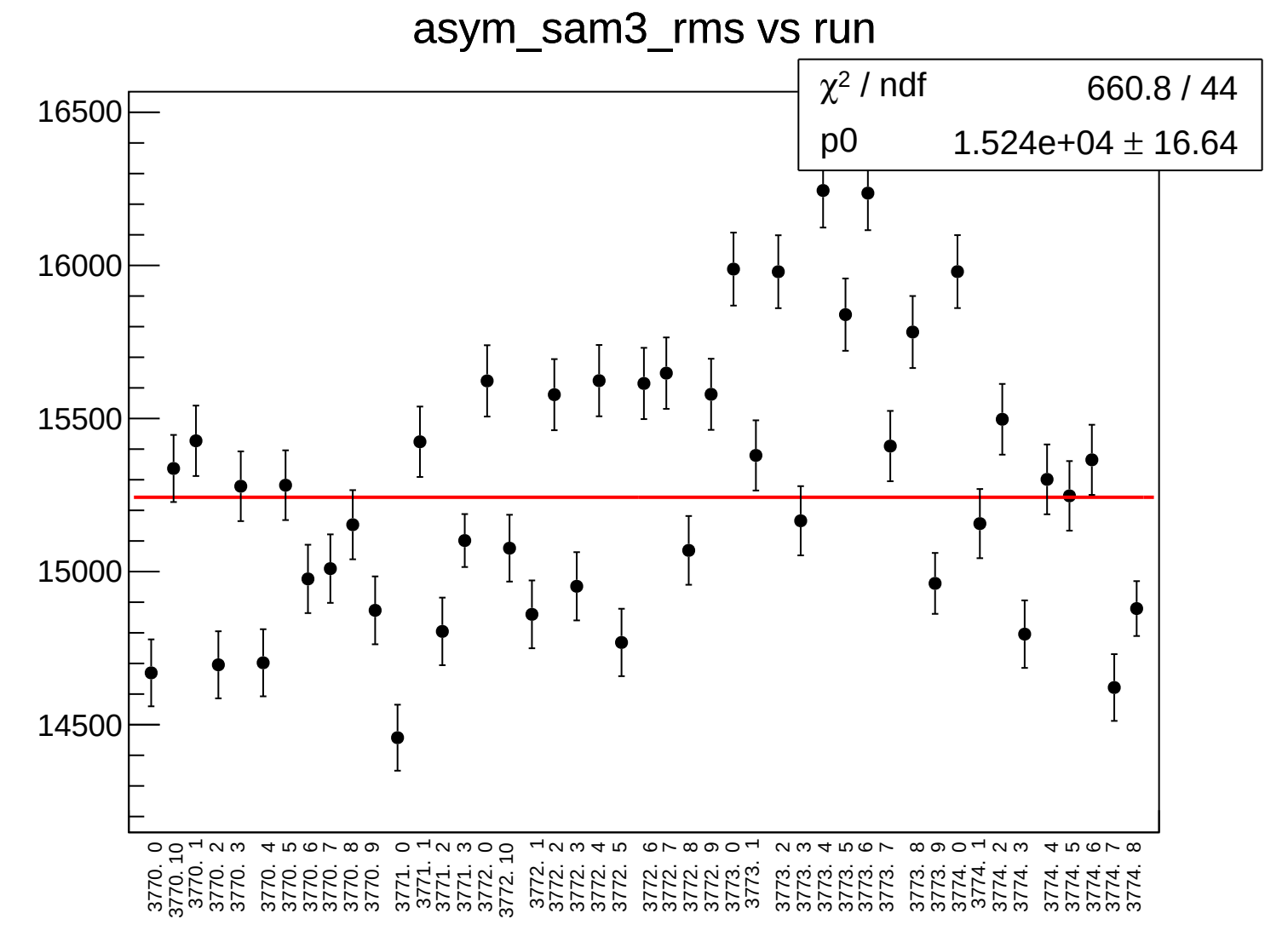

asym_sam1_rms vs run
χ² / ndf 3267 / 44
p0 1534 ± 1.678
1700
1650
1600
1550
1500
1450
1400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

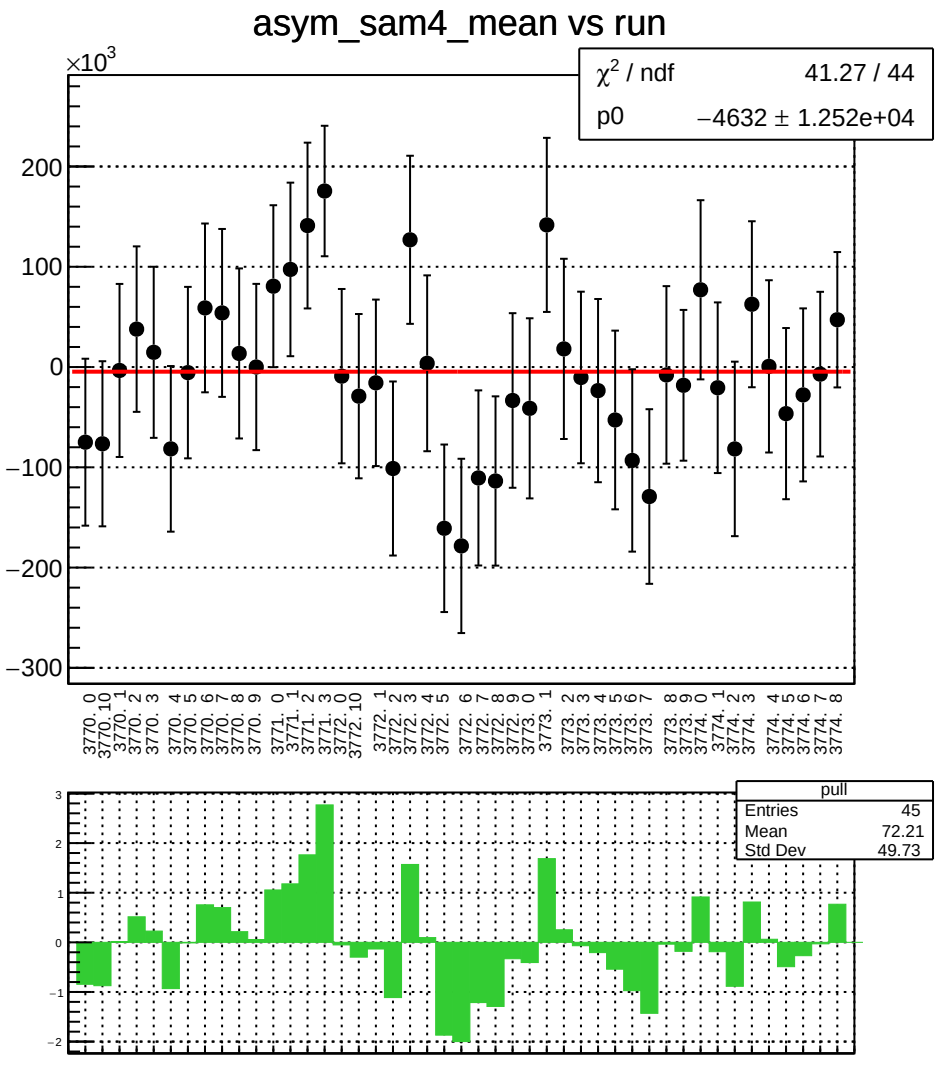

asym_sam2_mean vs run
×10^3
χ² / ndf 47.59 / 44
p0 −4500 ± 1.69e+04
pull
Entries 45
Mean 20.29
Std Dev 21.38

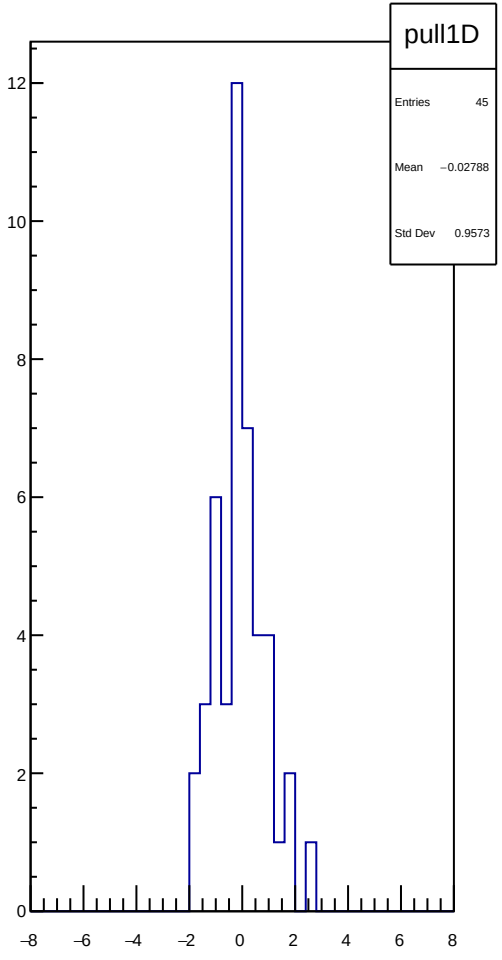

pull1D
Entries 45
Mean −0.02313
Std Dev 1.028

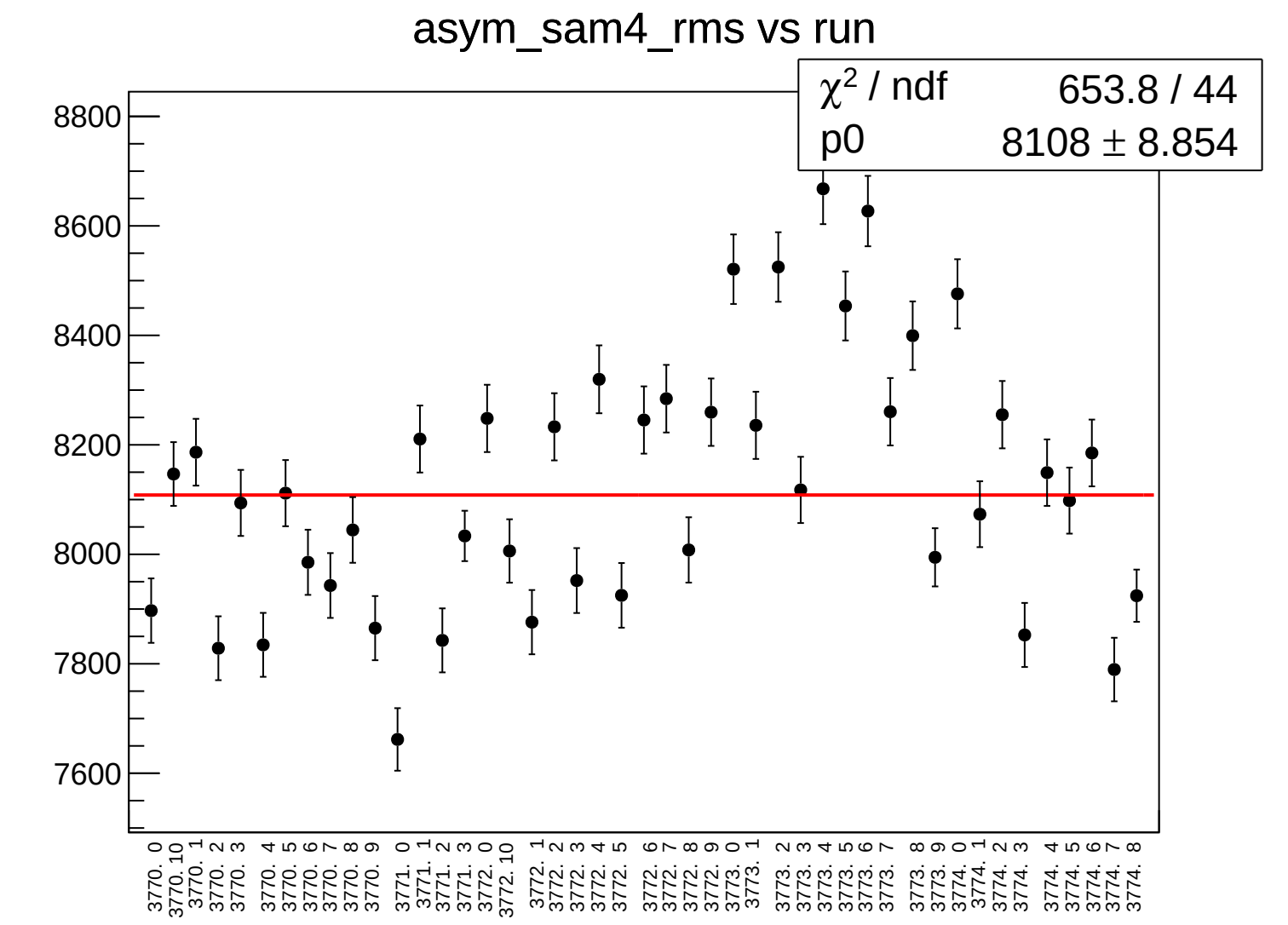

asym_sam2_rms vs run
χ² / ndf 737.3 / 44
p0 1.094e+04 ± 11.95
11800
11600
11400
11200
11000
10800
10600
10400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

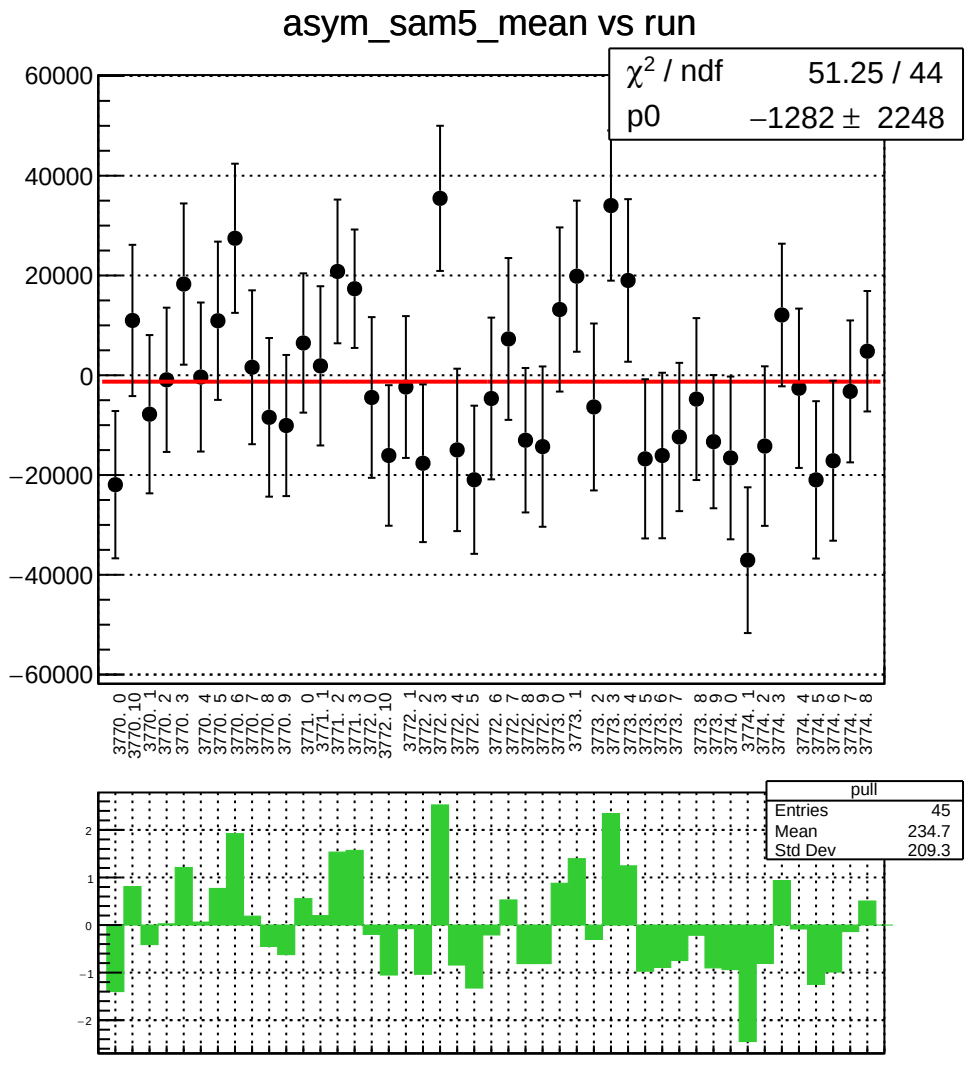

asym_sam3_mean vs run
×10^3
χ² / ndf 46.66 / 44
p0 −2870 ± 2.354e+04
400
200
0
−200
−400
−600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 32.31
Std Dev 8.95
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.02667
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

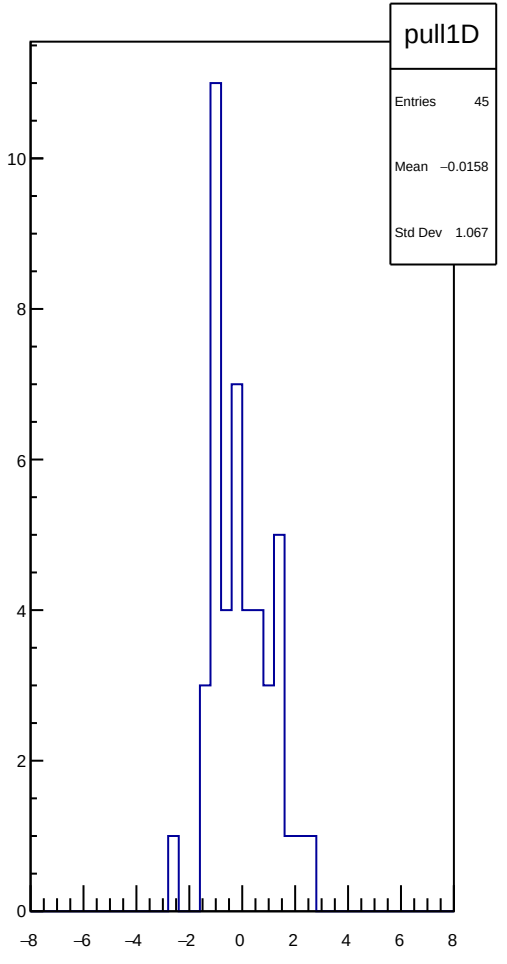

asym_sam3_rms vs run
χ² / ndf 660.8 / 44
p0 1.524e+04 ± 16.64
16500
16000
15500
15000
14500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

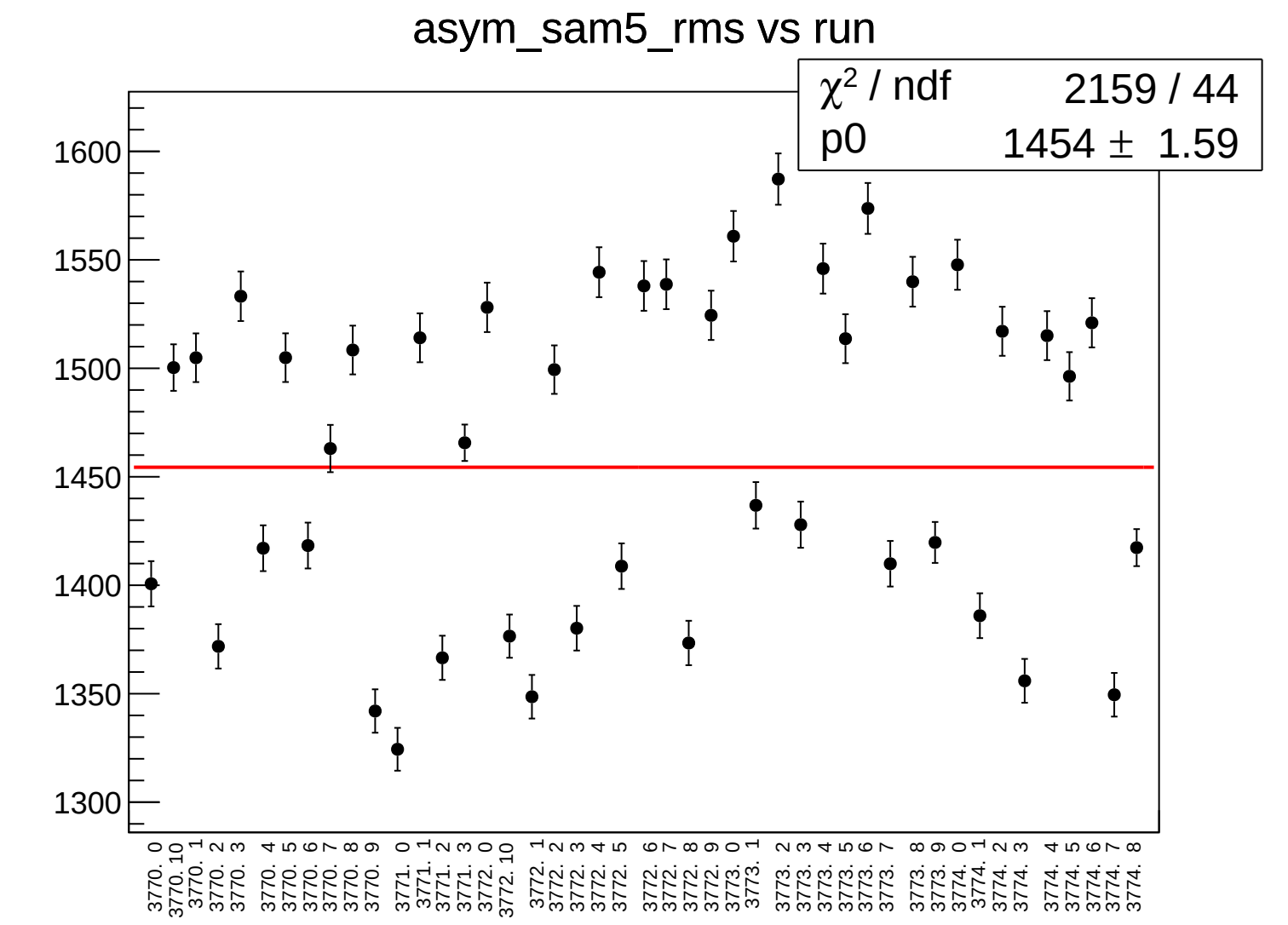

asym_sam4_mean vs run
×10^3
χ² / ndf 41.27 / 44
p0 −4632 ± 1.252e+04
200
100
0
−100
−200
−300
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 72.21
Std Dev 49.73
3
2
1
0
−1
−2

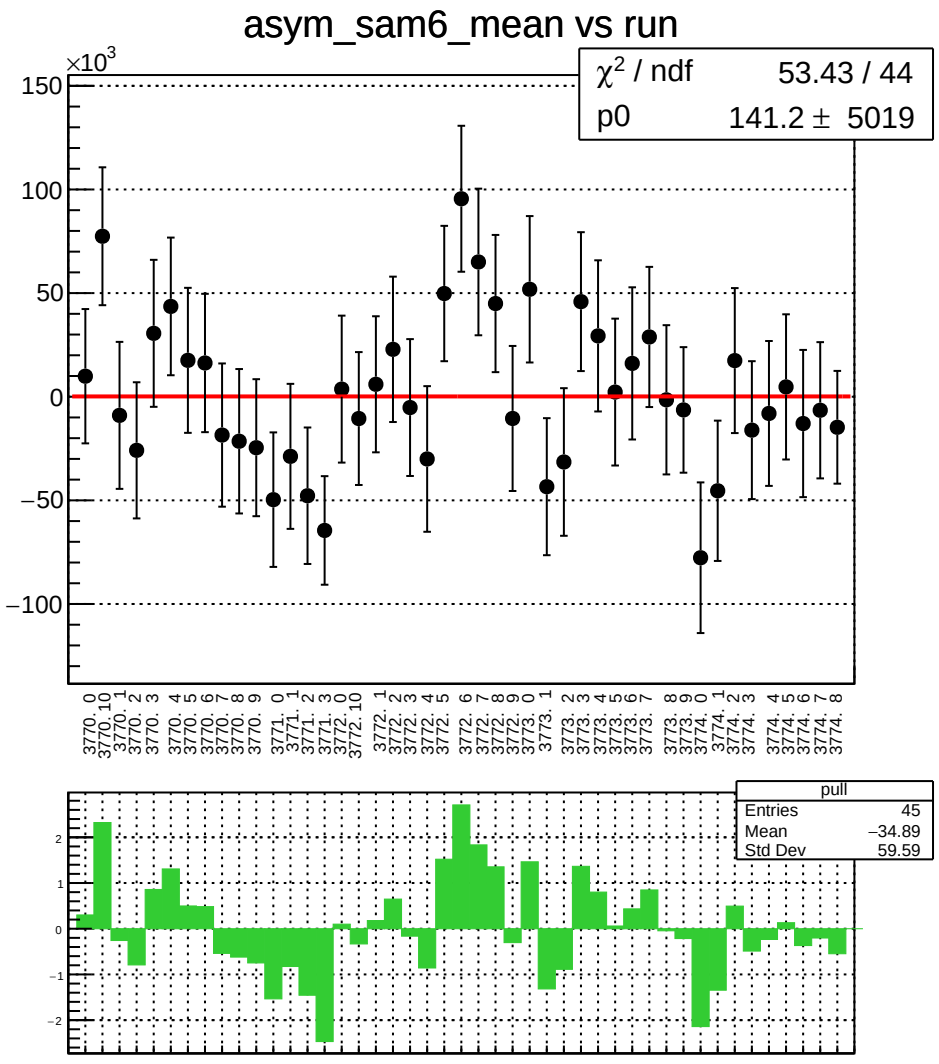

pull1D
Entries 45
Mean −0.02788
Std Dev 0.9573
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

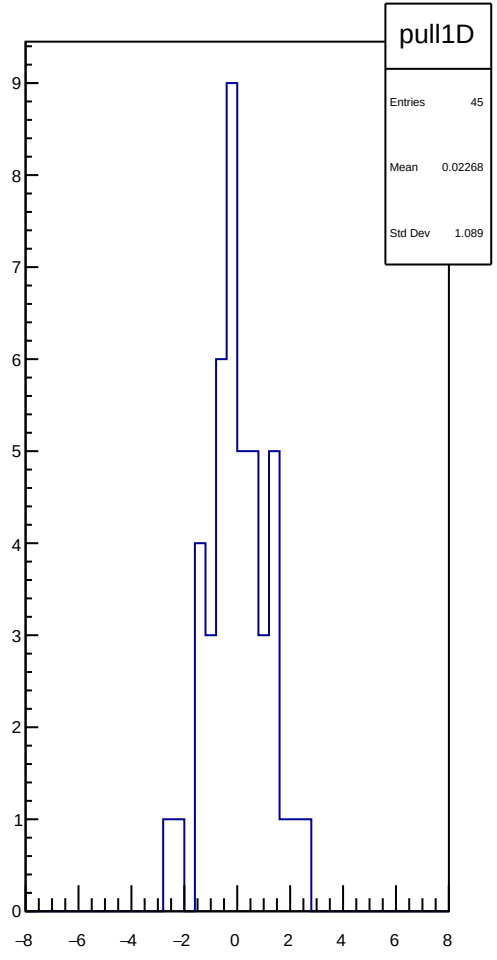

asym_sam4_rms vs run
χ² / ndf 653.8 / 44
p0 8108 ± 8.854
8800
8600
8400
8200
8000
7800
7600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

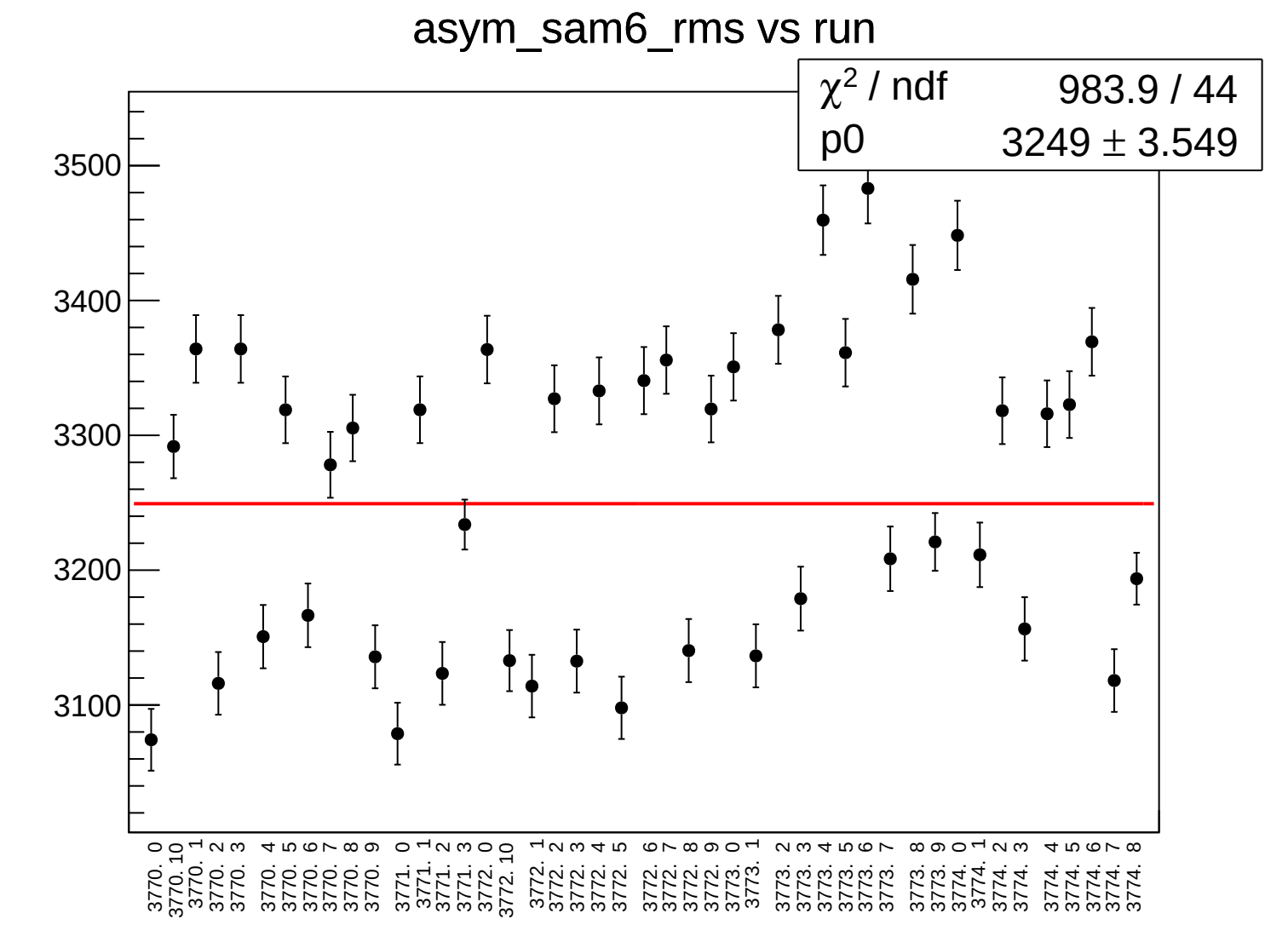

asym_sam5_mean vs run
χ² / ndf 51.25 / 44
p0 −1282 ± 2248
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 234.7
Std Dev 209.3
2
1
0
−1
−2

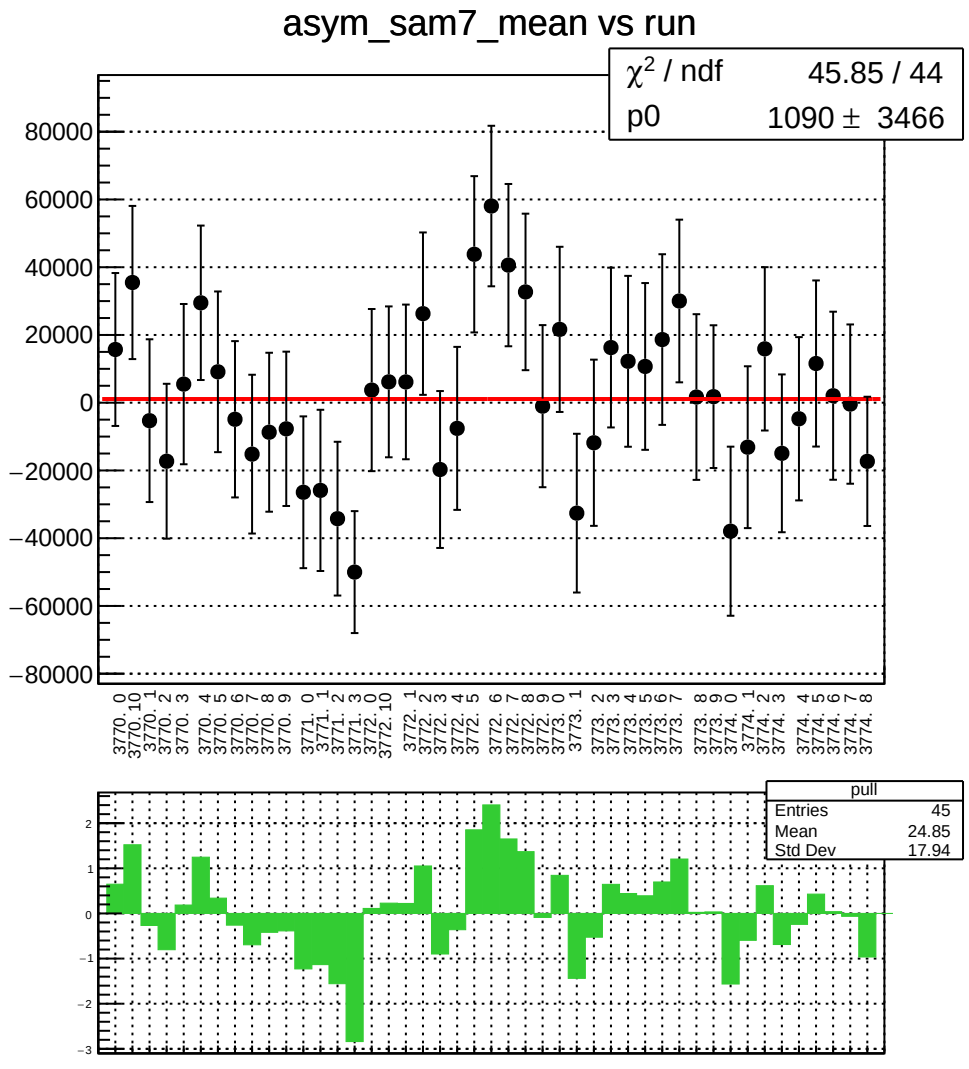

pull1D
Entries 45
Mean −0.0158
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

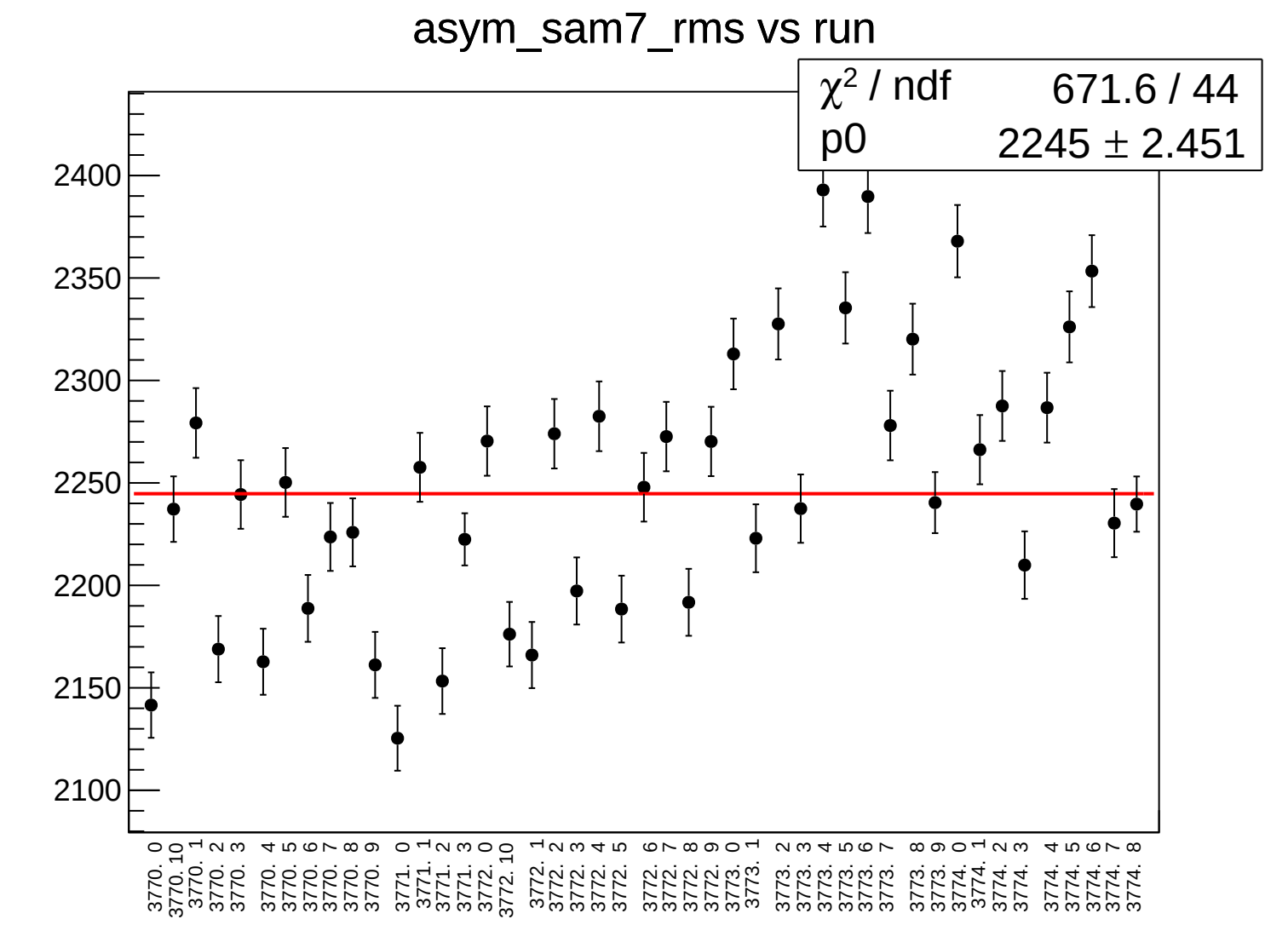

asym_sam5_rms vs run
χ² / ndf 2159 / 44
p0 1454 ± 1.59
1600
1550
1500
1450
1400
1350
1300
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

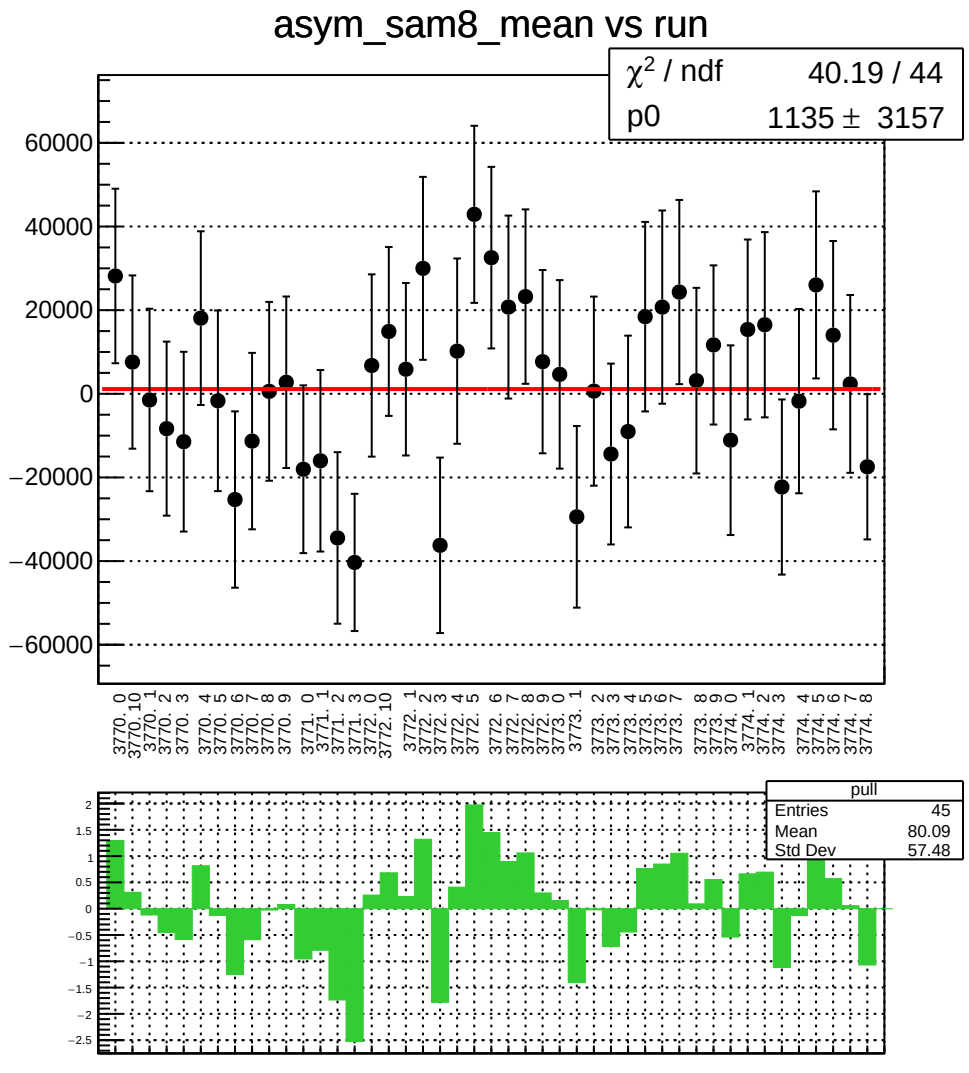

asym_sam6_mean vs run
×10^3
χ² / ndf 53.43 / 44
p0 141.2 ± 5019
150
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −34.89
Std Dev 59.59
2
1
0
−1
−2

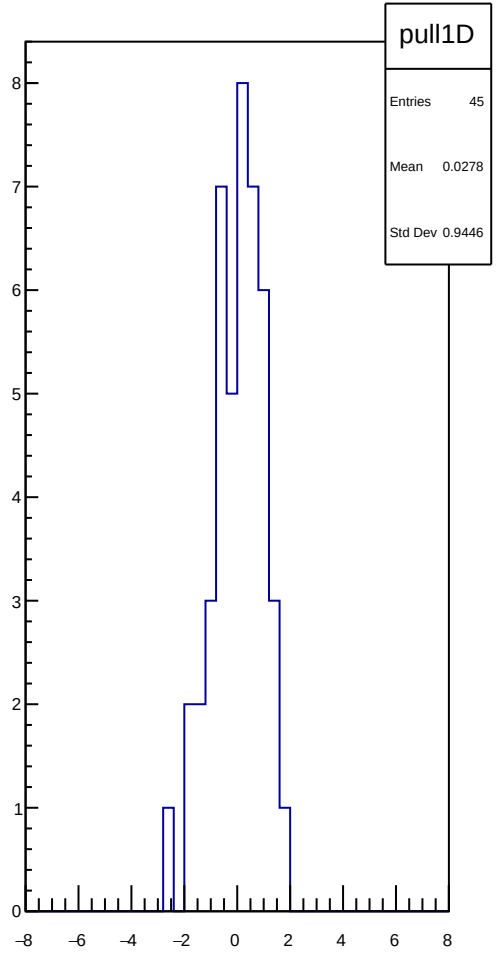

pull1D
Entries 45
Mean 0.02268
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

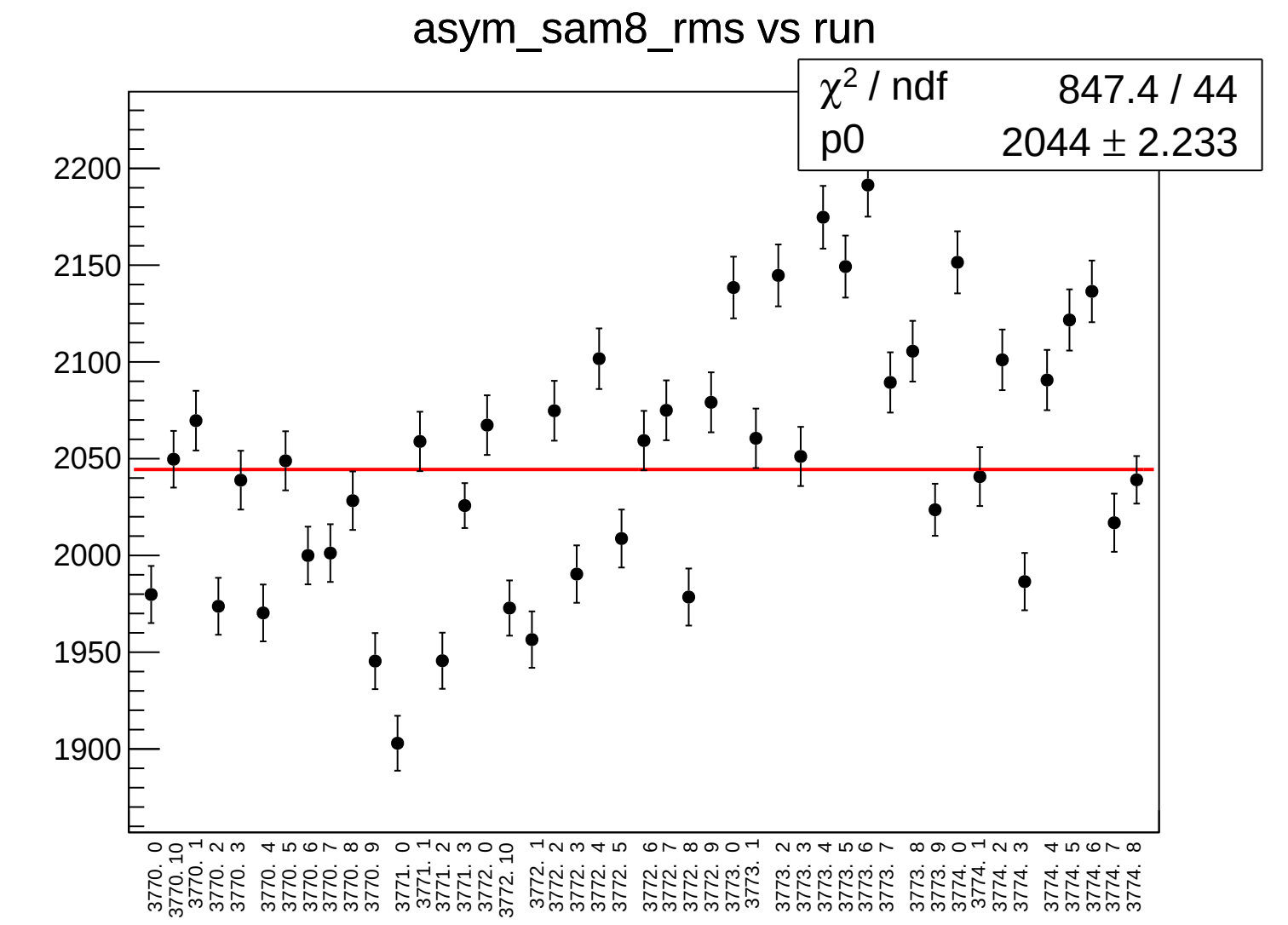

asym_sam6_rms vs run
χ² / ndf 983.9 / 44
p0 3249 ± 3.549
3500
3400
3300
3200
3100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

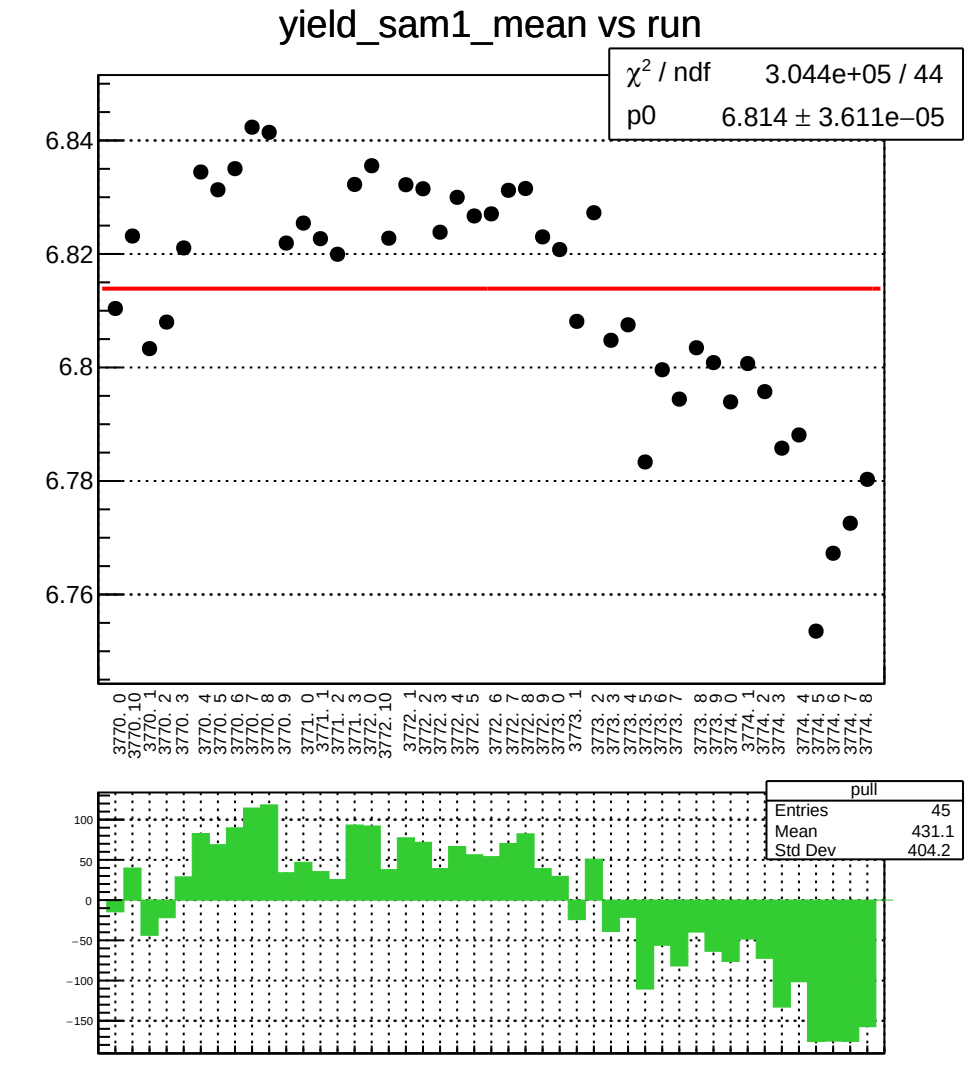

asym_sam7_mean vs run
χ² / ndf 45.85 / 44
p0 1090 ± 3466
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 24.85
Std Dev 17.94
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.02608
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

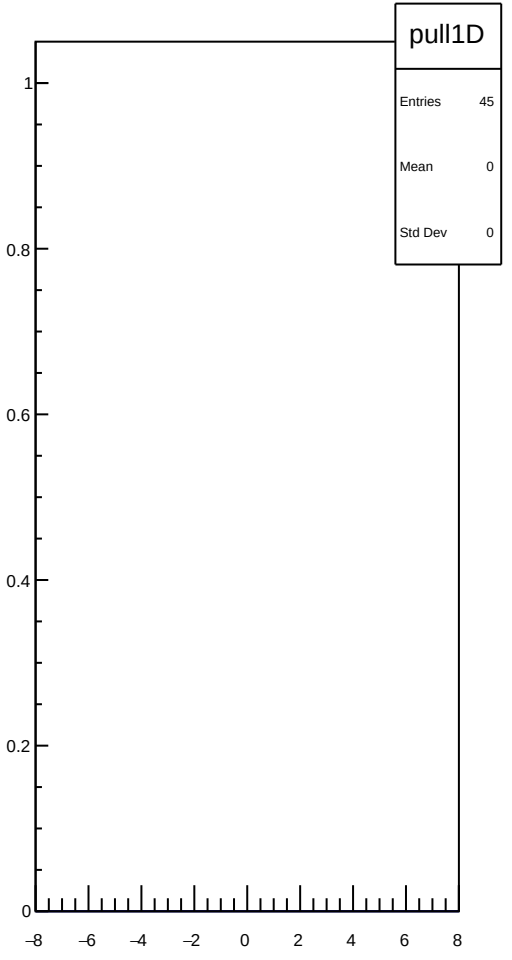

asym_sam7_rms vs run
χ² / ndf 671.6 / 44
p0 2245 ± 2.451
2400
2350
2300
2250
2200
2150
2100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

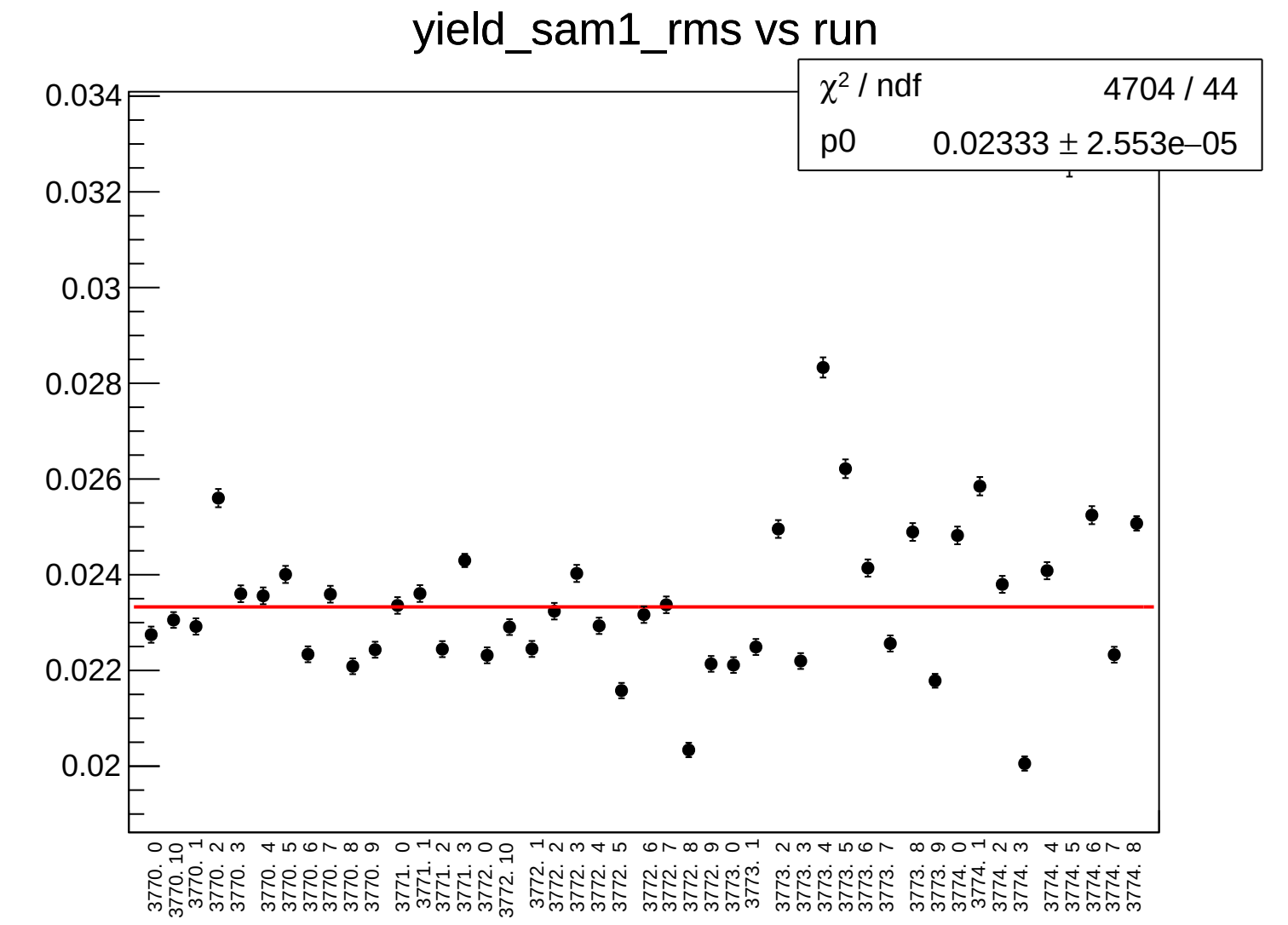

asym_sam8_mean vs run
χ² / ndf 40.19 / 44
p0 1135 ± 3157
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 80.09
Std Dev 57.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

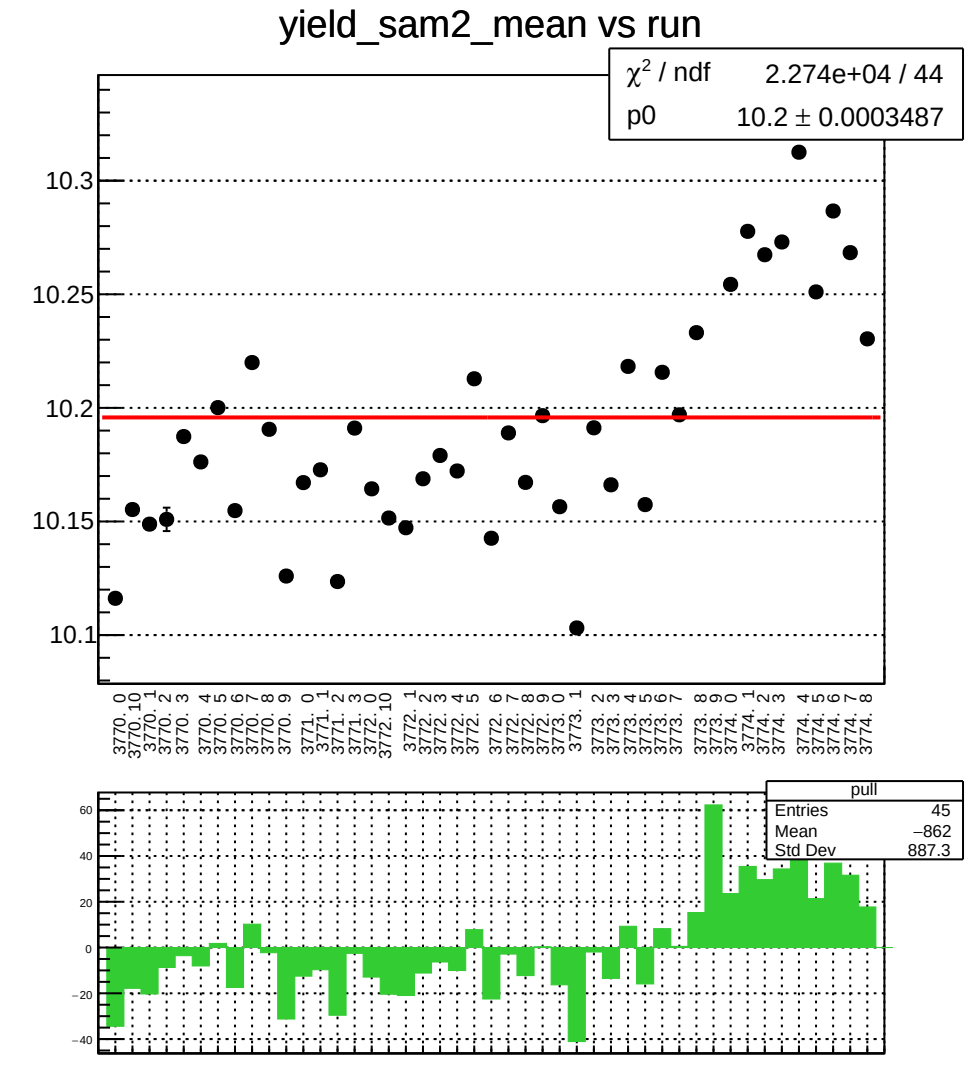

pull1D
Entries 45
Mean 0.0278
Std Dev 0.9446
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

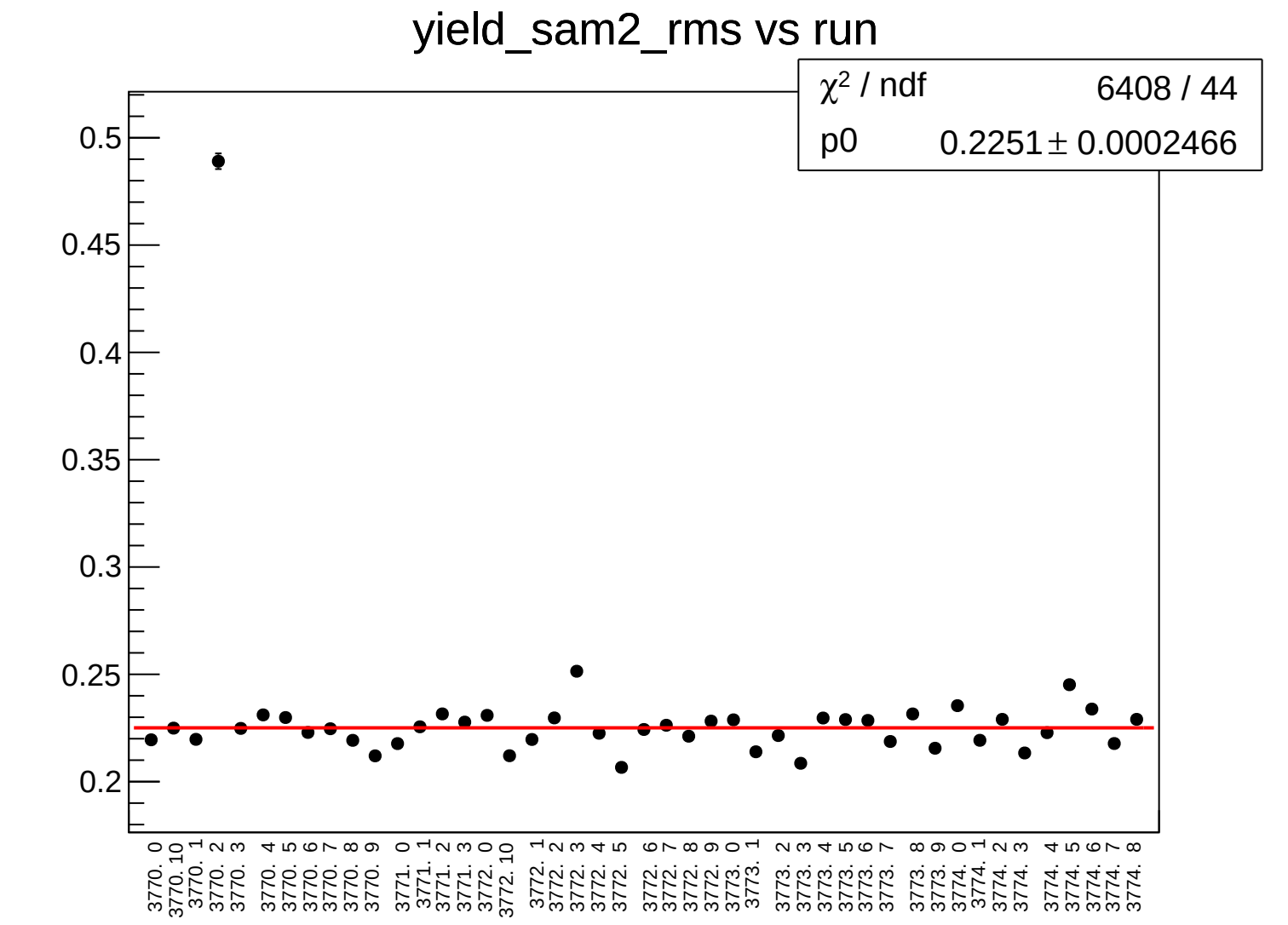

asym_sam8_rms vs run
χ^2 / ndf 847.4 / 44
p0 2044 ± 2.233
2200
2150
2100
2050
2000
1950
1900
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

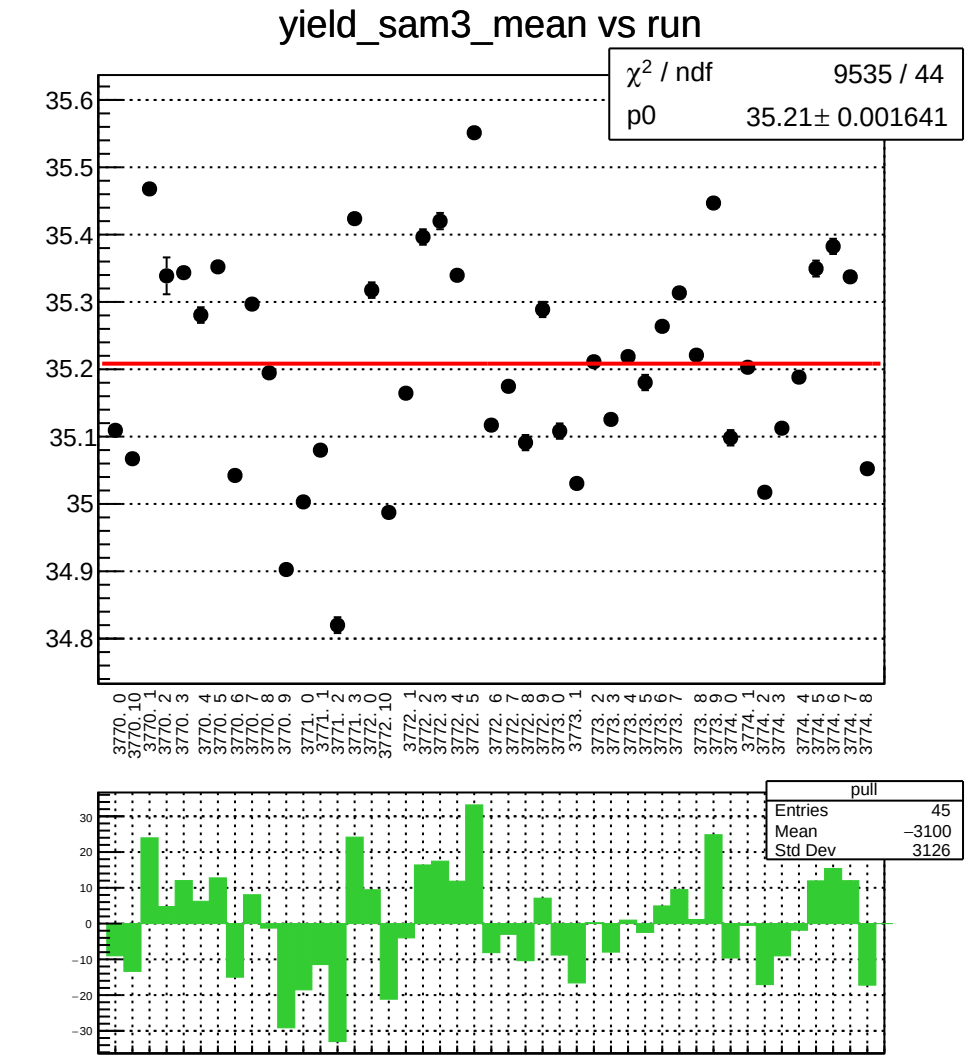

yield_sam1_mean vs run
χ² / ndf 3.044e+05 / 44
p0 6.814 ± 3.611e−05
6.84
6.82
6.8
6.78
6.76
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 431.1
Std Dev 404.2
100
50
0
−50
−100
−150

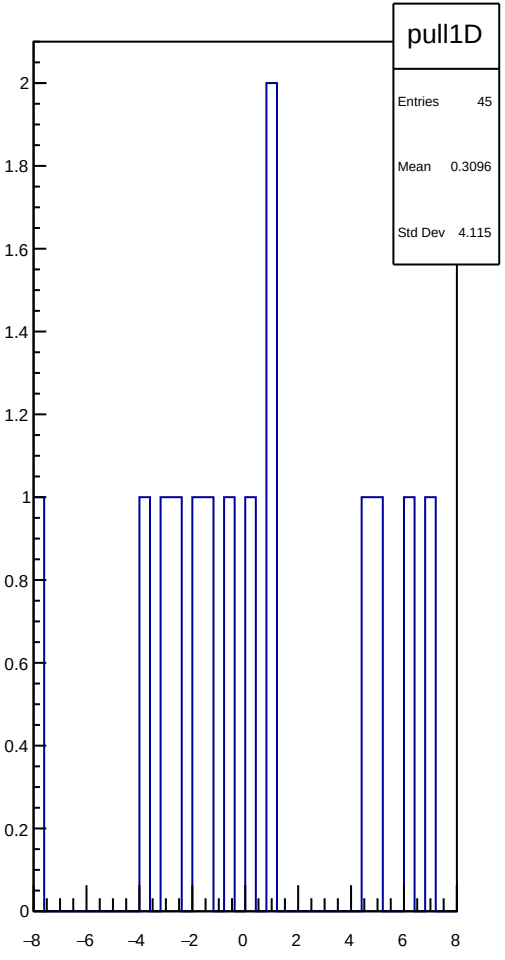

pull1D
Entries 45
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

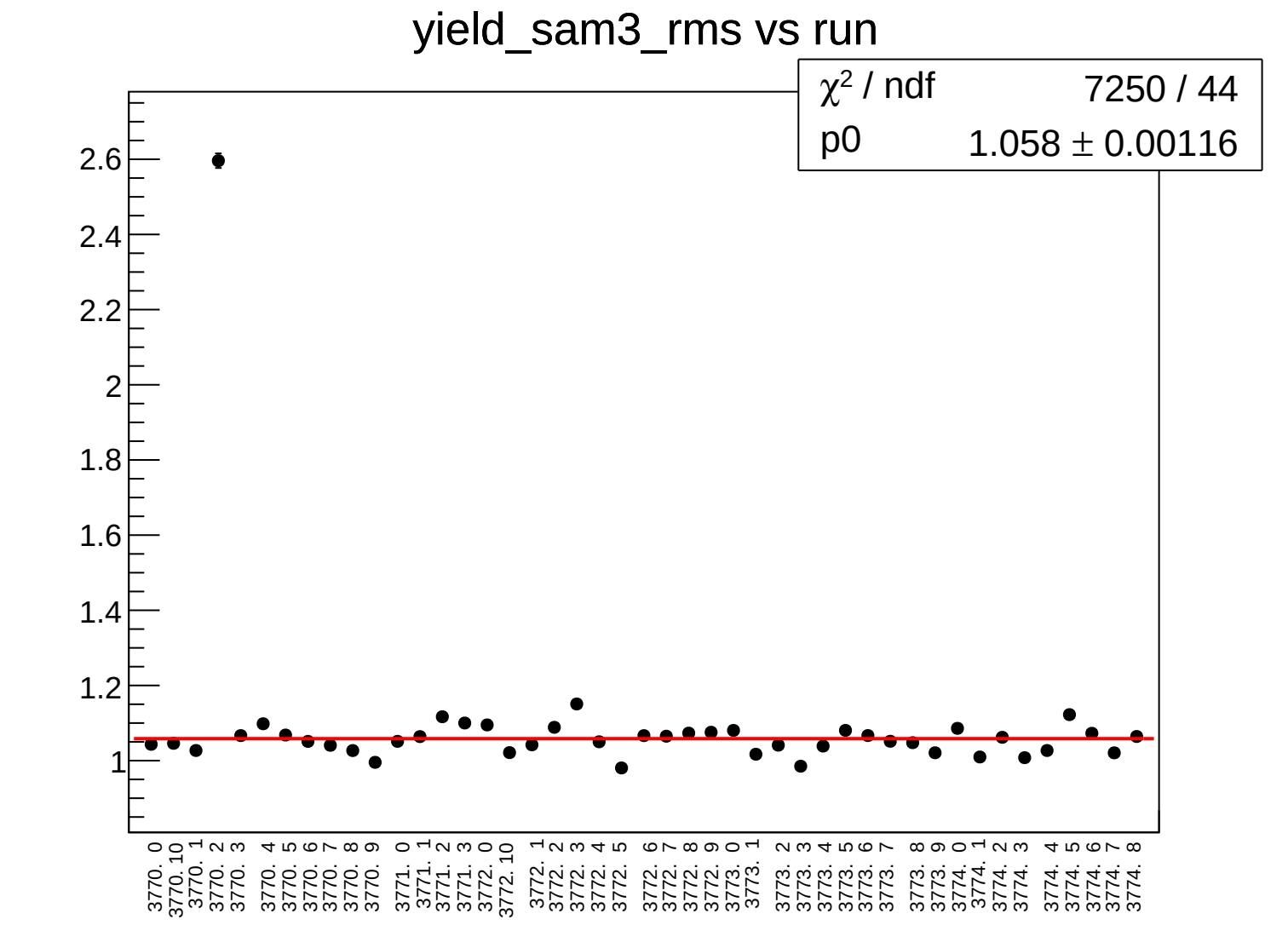

yield_sam1_rms vs run
χ² / ndf 4704 / 44
p0 0.02333 ± 2.553e–05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

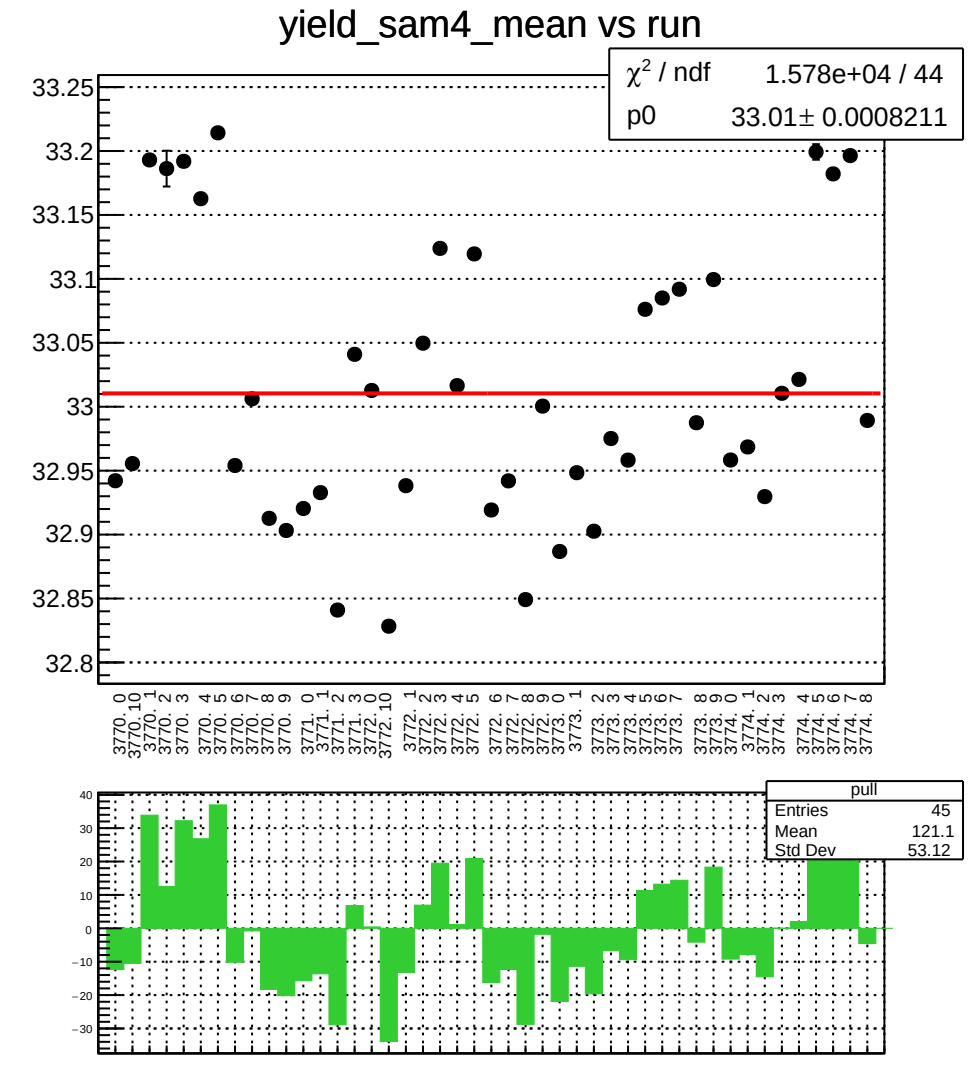

yield_sam2_mean vs run
χ² / ndf 2.274e+04 / 44
p0 10.2 ± 0.0003487
10.3
10.25
10.2
10.15
10.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −862
Std Dev 887.3
60
40
20
0
−20
−40
pull1D
Entries 45
Mean −0.9054
Std Dev 3.639
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

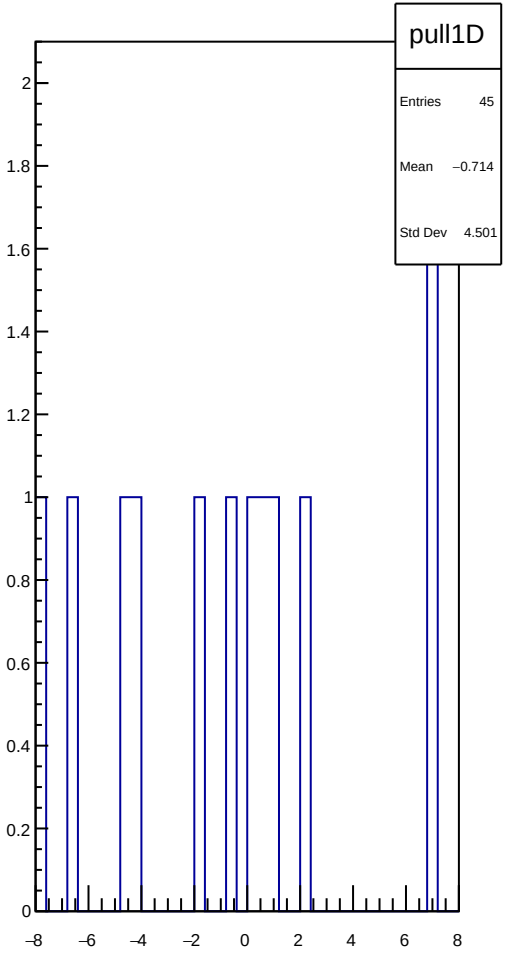

yield_sam2_rms vs run
χ² / ndf 6408 / 44
p0 0.2251 ± 0.0002466
0.5
0.45
0.4
0.35
0.3
0.25
0.2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

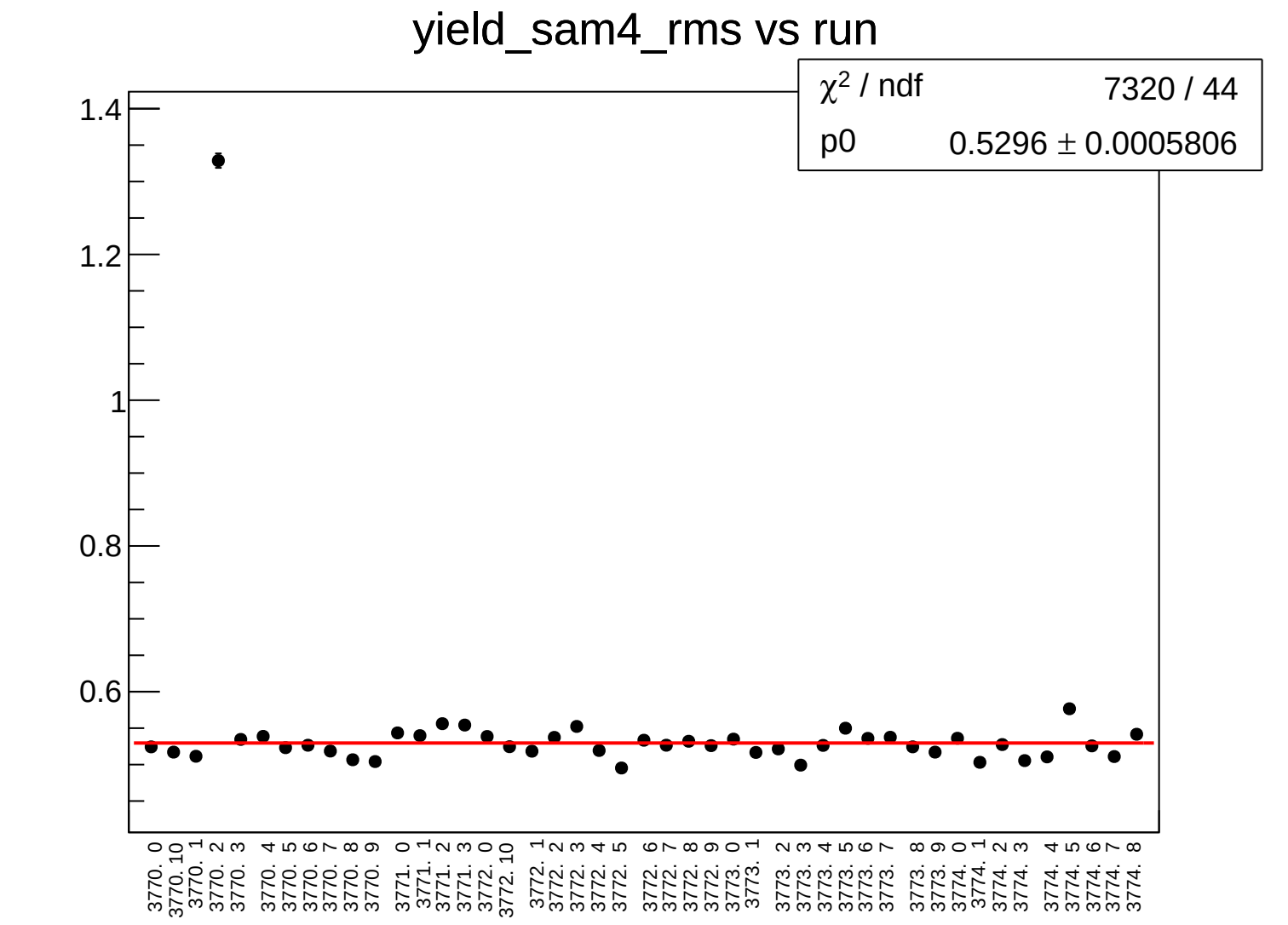

yield_sam3_mean vs run
χ² / ndf 9535 / 44
p0 35.21± 0.001641
35.6
35.5
35.4
35.3
35.2
35.1
35
34.9
34.8
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −3100
Std Dev 3126
30
20
10
0
−10
−20
−30

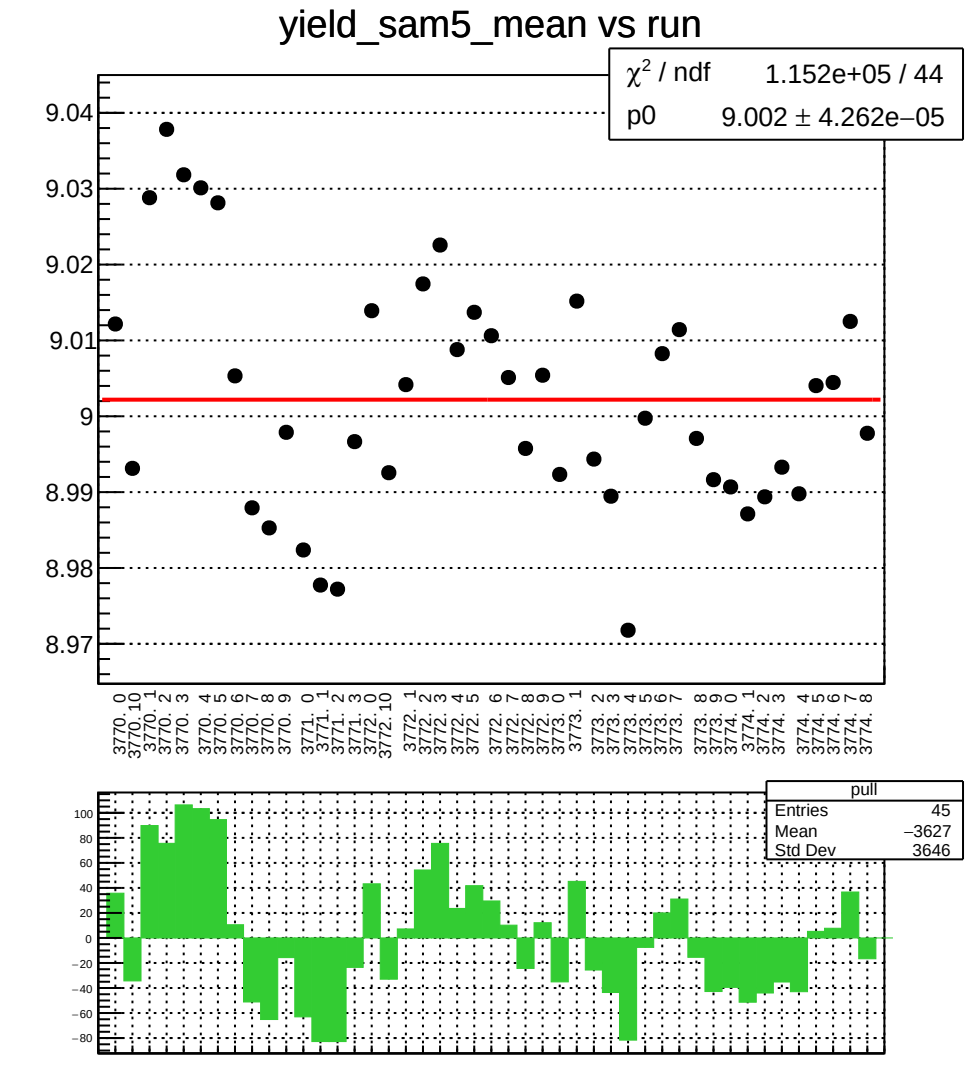

pull1D
Entries 45
Mean 0.3096
Std Dev 4.115
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

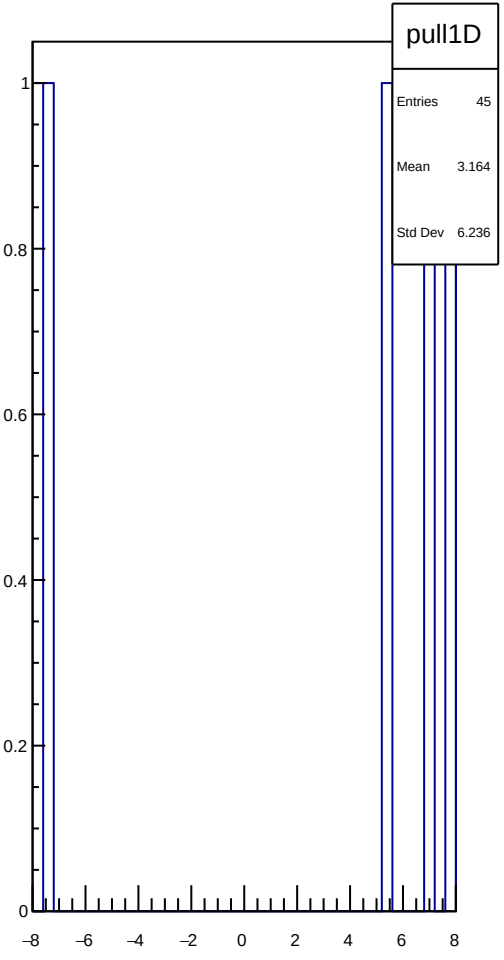

yield_sam3_rms vs run
χ² / ndf 7250 / 44
p0 1.058 ± 0.00116
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

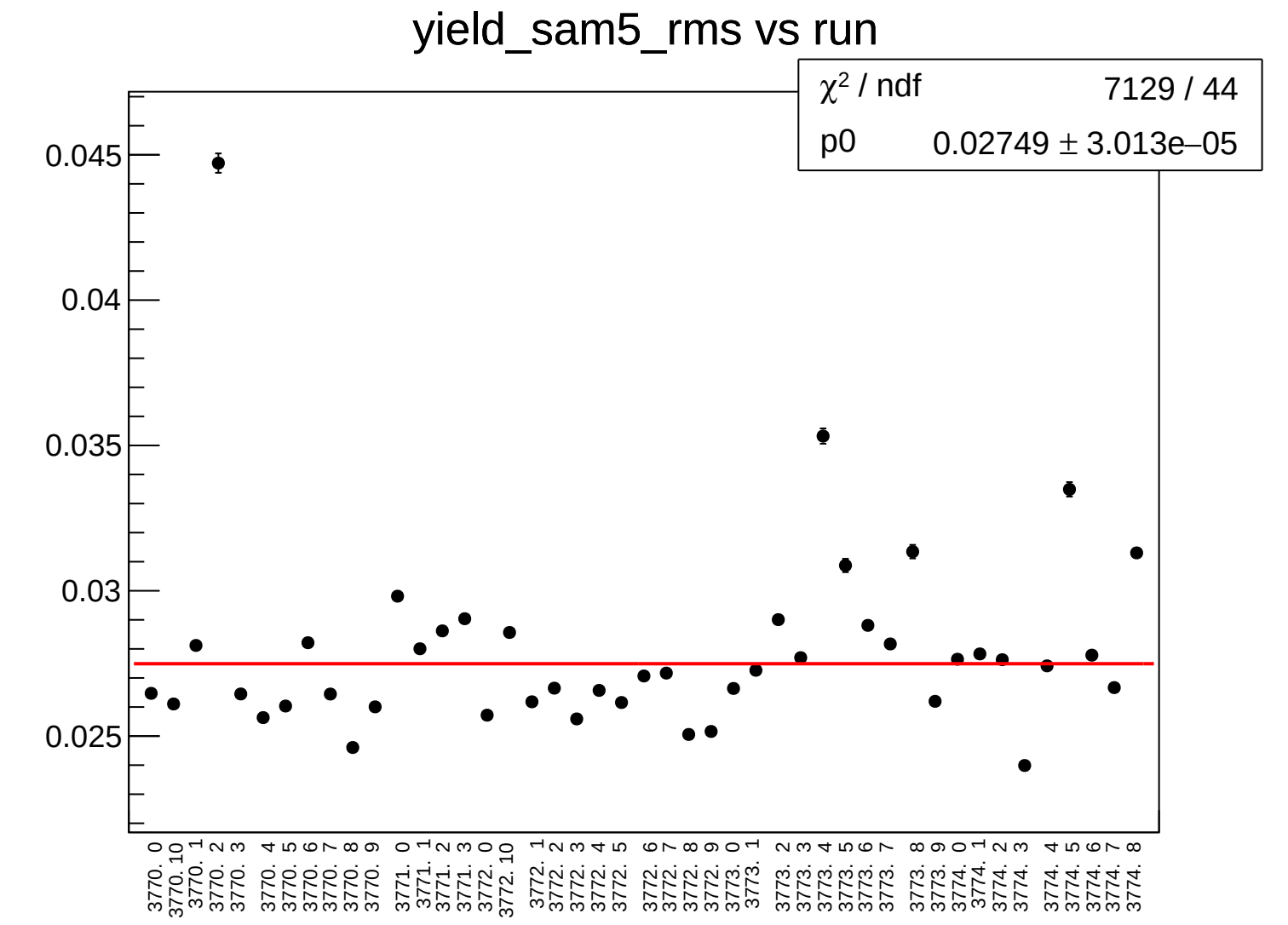

yield_sam4_mean vs run
χ² / ndf 1.578e+04 / 44
p0 33.01± 0.0008211
33.25
33.2
33.15
33.1
33.05
33
32.95
32.9
32.85
32.8
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 121.1
Std Dev 53.12
40
30
20
10
0
−10
−20
−30

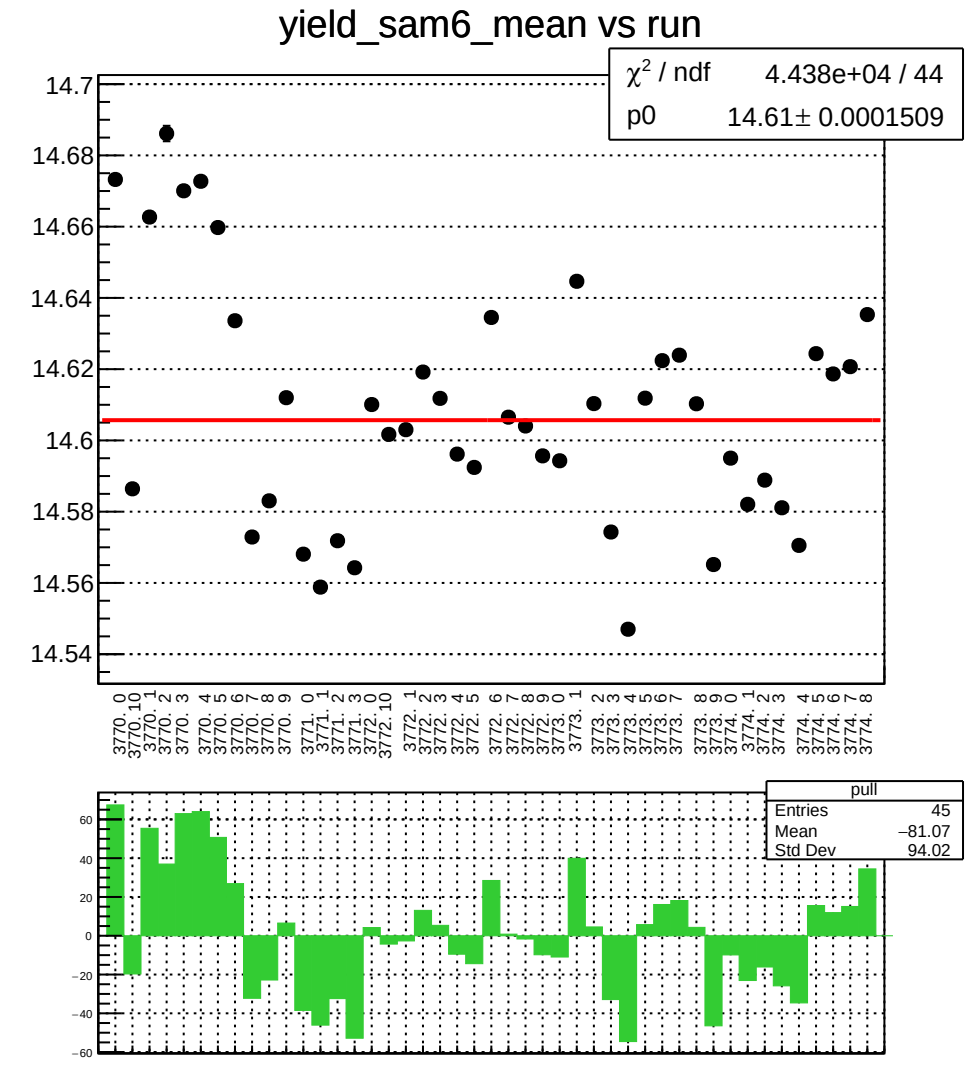

pull1D
Entries 45
Mean −0.714
Std Dev 4.501
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

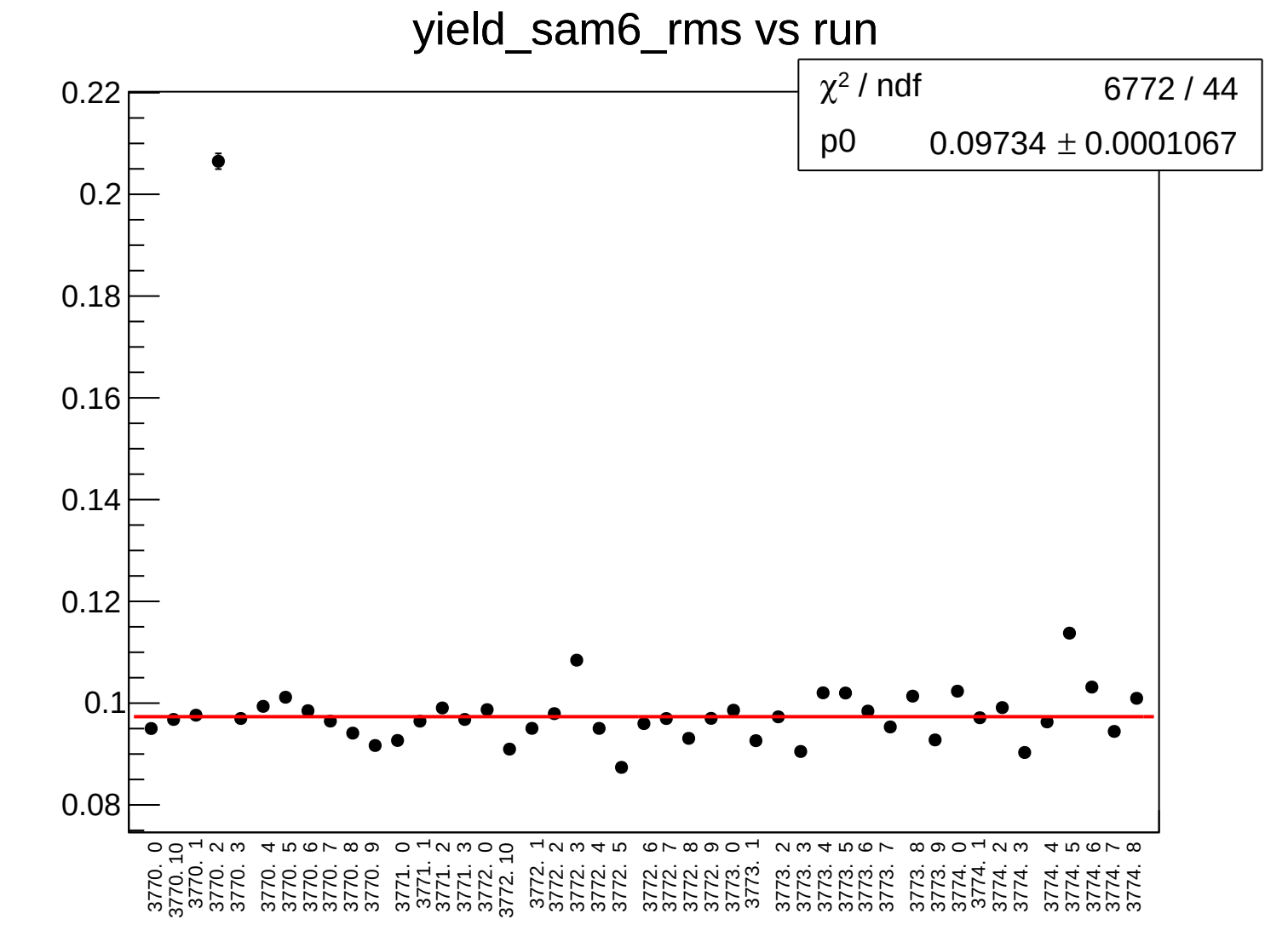

yield_sam4_rms vs run
χ² / ndf 7320 / 44
p0 0.5296 ± 0.0005806
1.4
1.2
1
0.8
0.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

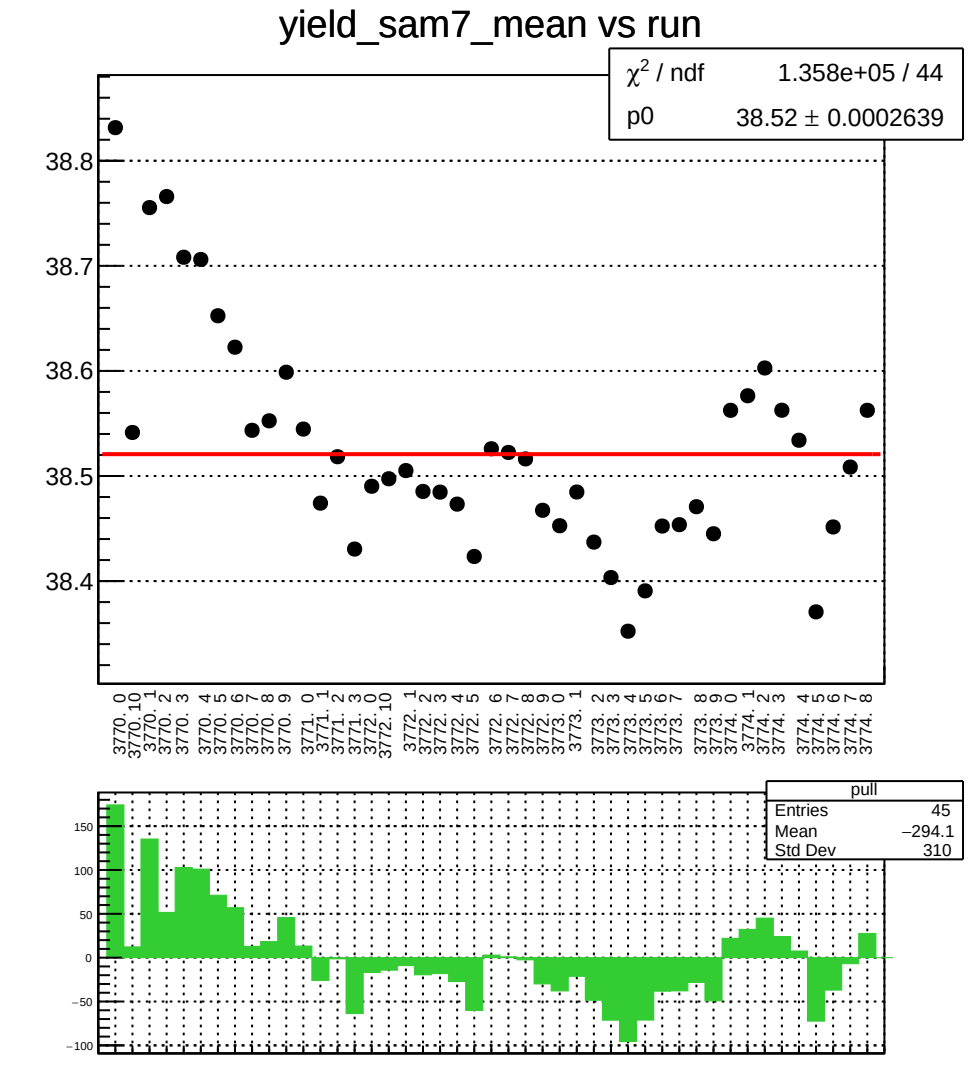

yield_sam5_mean vs run
χ² / ndf 1.152e+05 / 44
p0 9.002 ± 4.262e−05
9.04
9.03
9.02
9.01
9
8.99
8.98
8.97
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −3627
Std Dev 3646
100
80
60
40
20
0
−20
−40
−60
−80

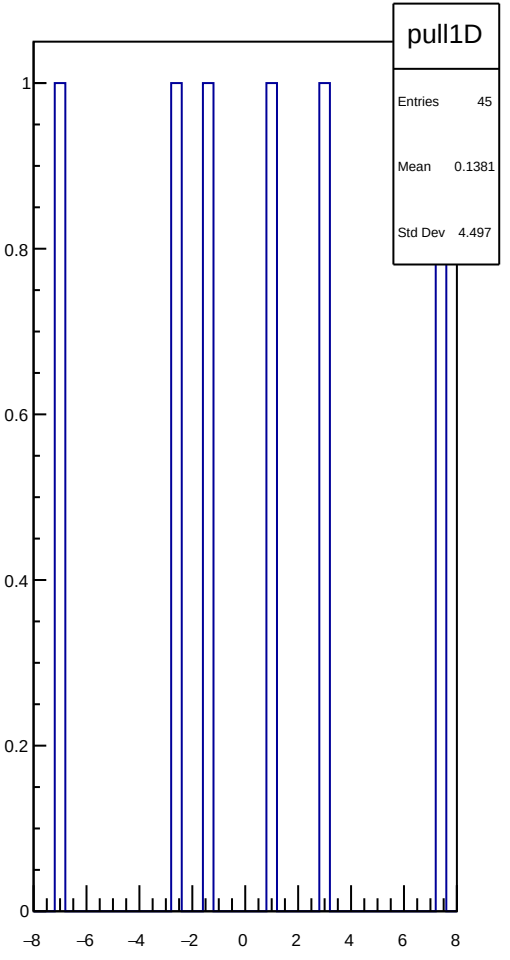

pull1D
Entries 45
Mean 3.164
Std Dev 6.236
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

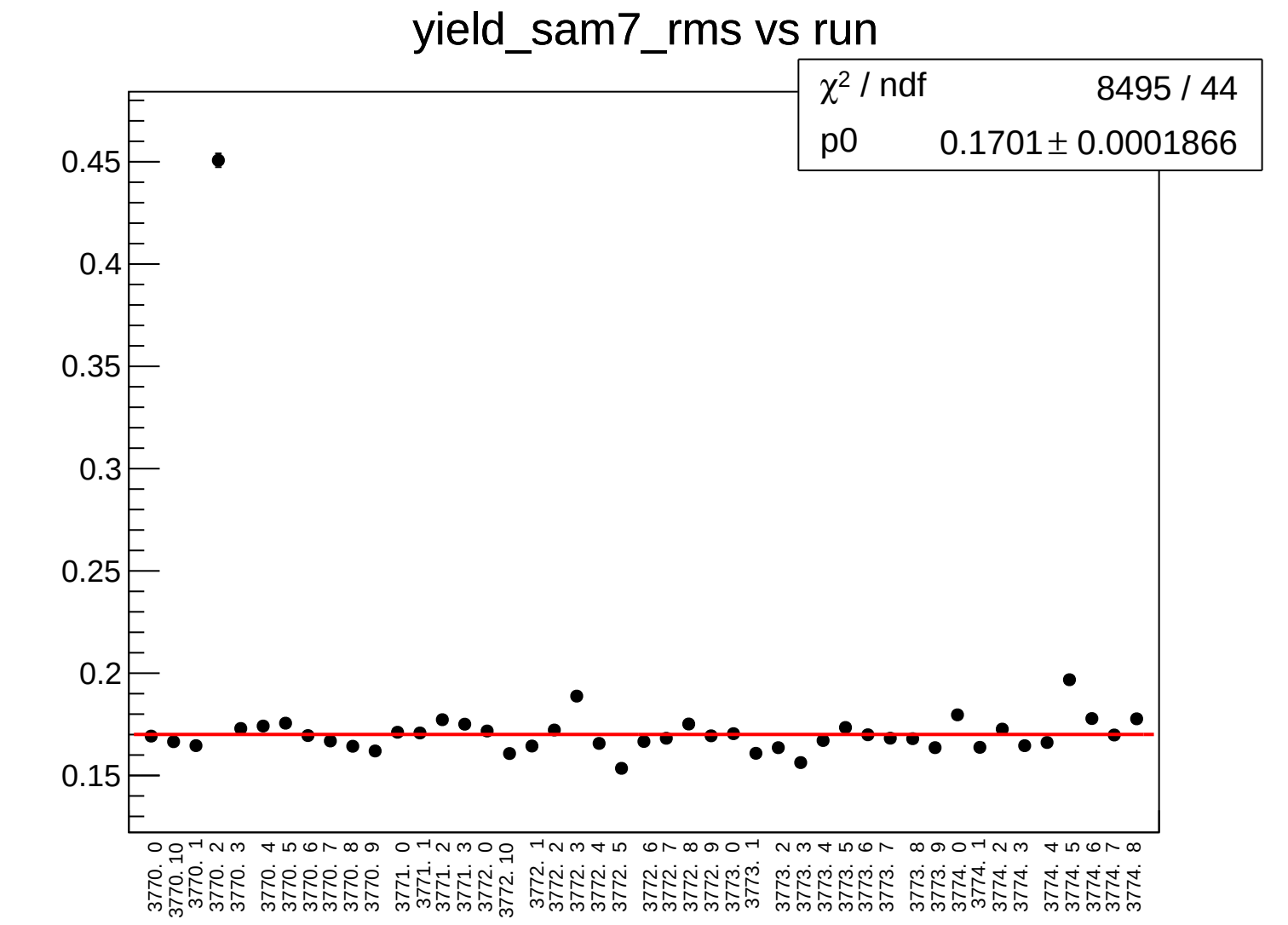

yield_sam5_rms vs run
χ² / ndf 7129 / 44
p0 0.02749 ± 3.013e–05
0.045
0.04
0.035
0.03
0.025
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

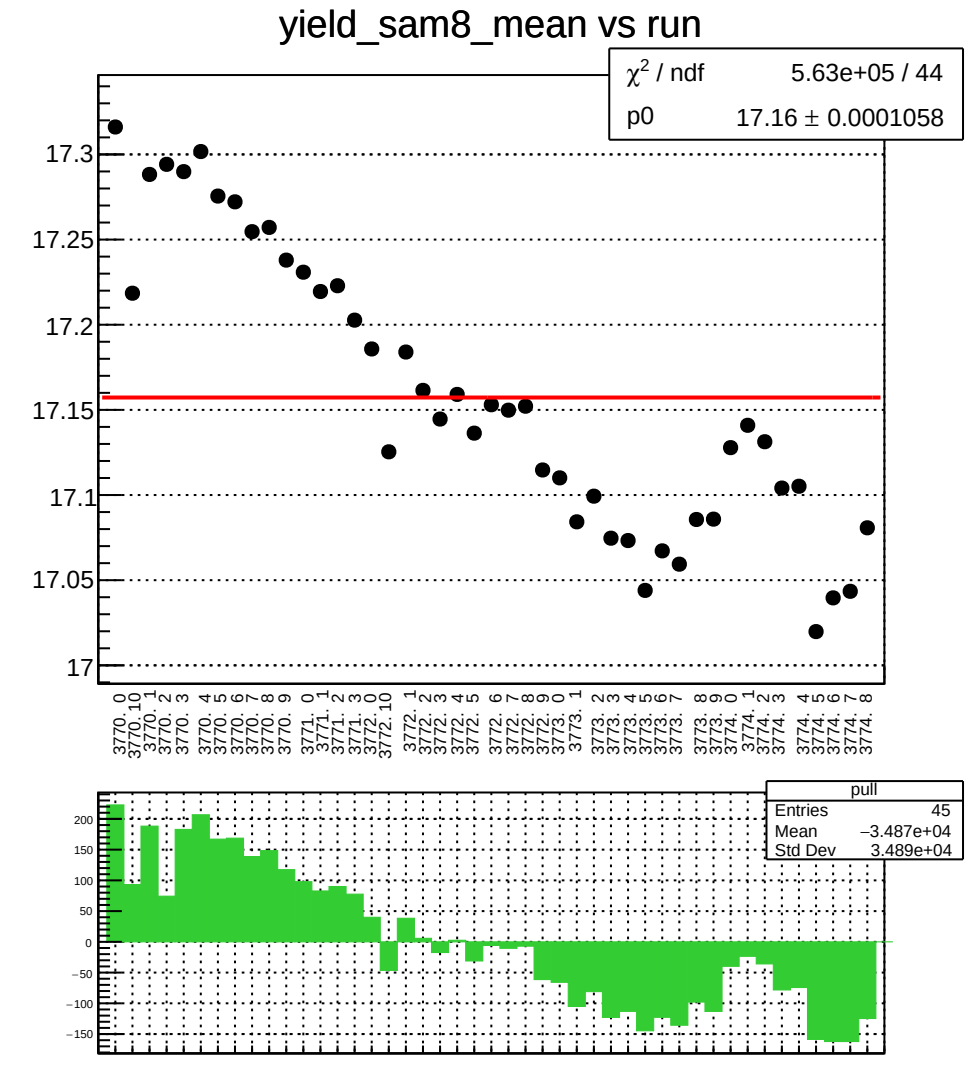

yield_sam6_mean vs run
χ² / ndf 4.438e+04 / 44
p0 14.61± 0.0001509
14.7
14.68
14.66
14.64
14.62
14.6
14.58
14.56
14.54
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −81.07
Std Dev 94.02
60
40
20
0
−20
−40
−60
pull1D
Entries 45
Mean 2.292
Std Dev 3.713
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

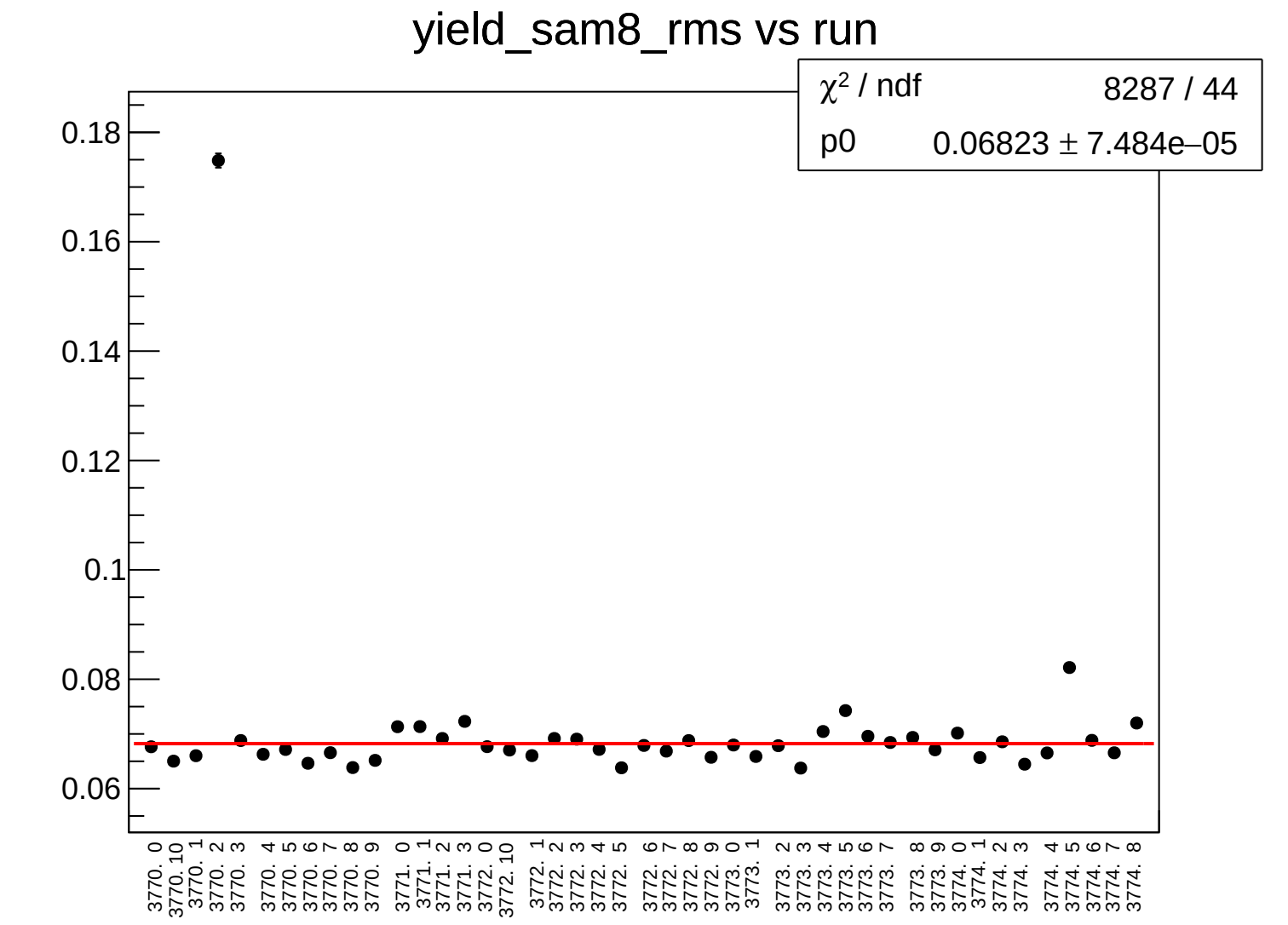

yield_sam6_rms vs run
χ² / ndf 6772 / 44
p0 0.09734 ± 0.0001067
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

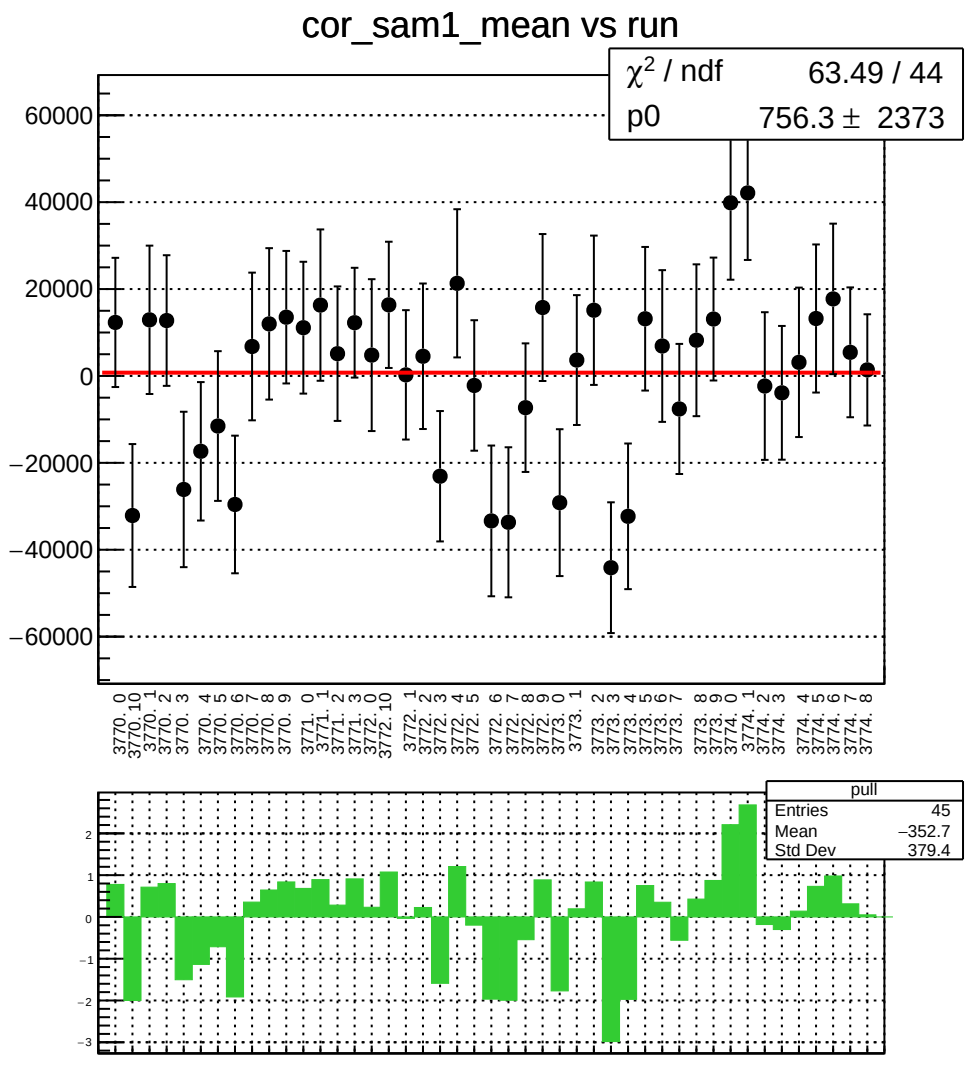

yield_sam7_mean vs run
χ² / ndf 1.358e+05 / 44
p0 38.52 ± 0.0002639
38.8
38.7
38.6
38.5
38.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −294.1
Std Dev 310
150
100
50
0
−50
−100

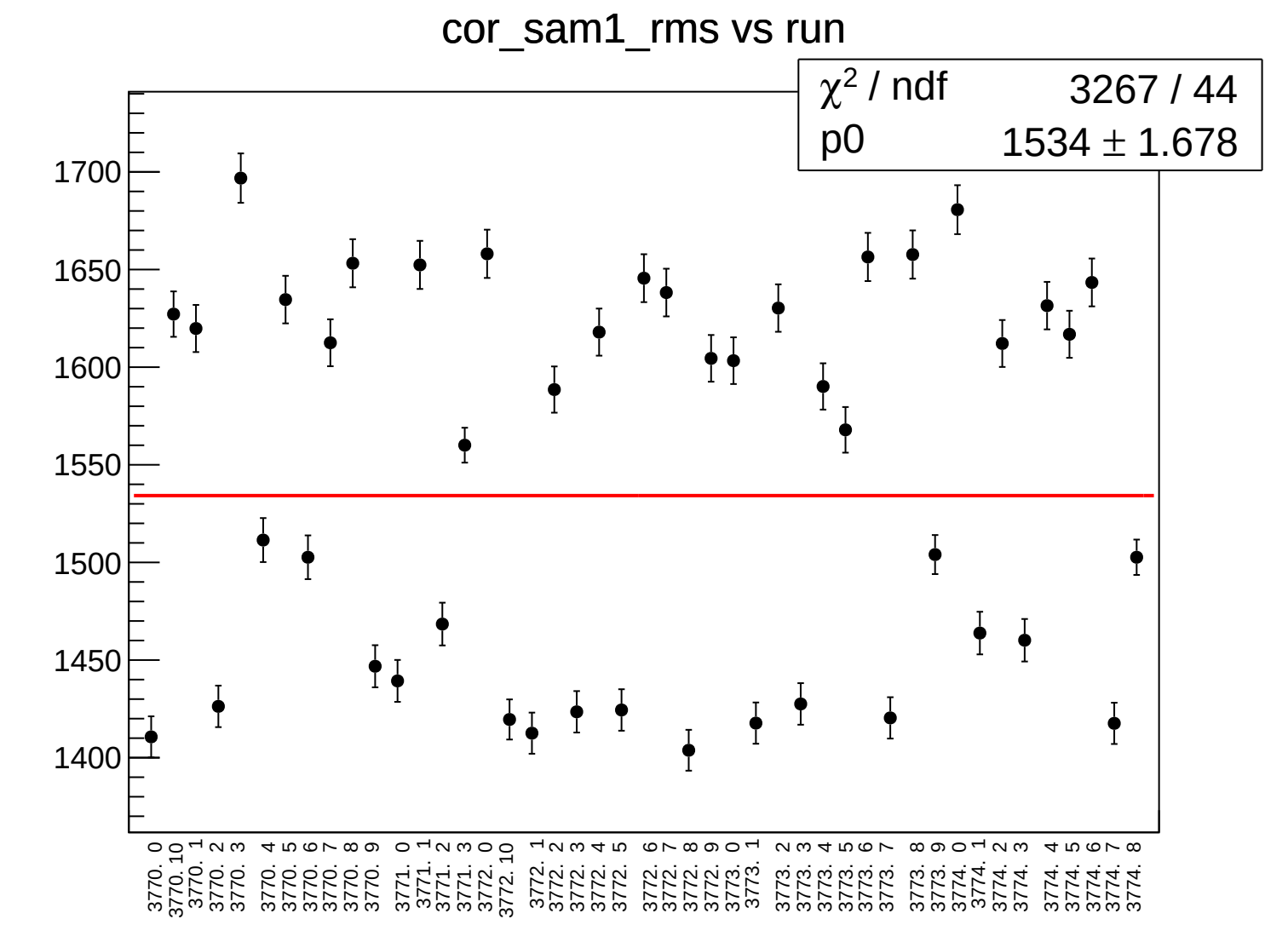

pull1D
Entries 45
Mean 0.1381
Std Dev 4.497
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

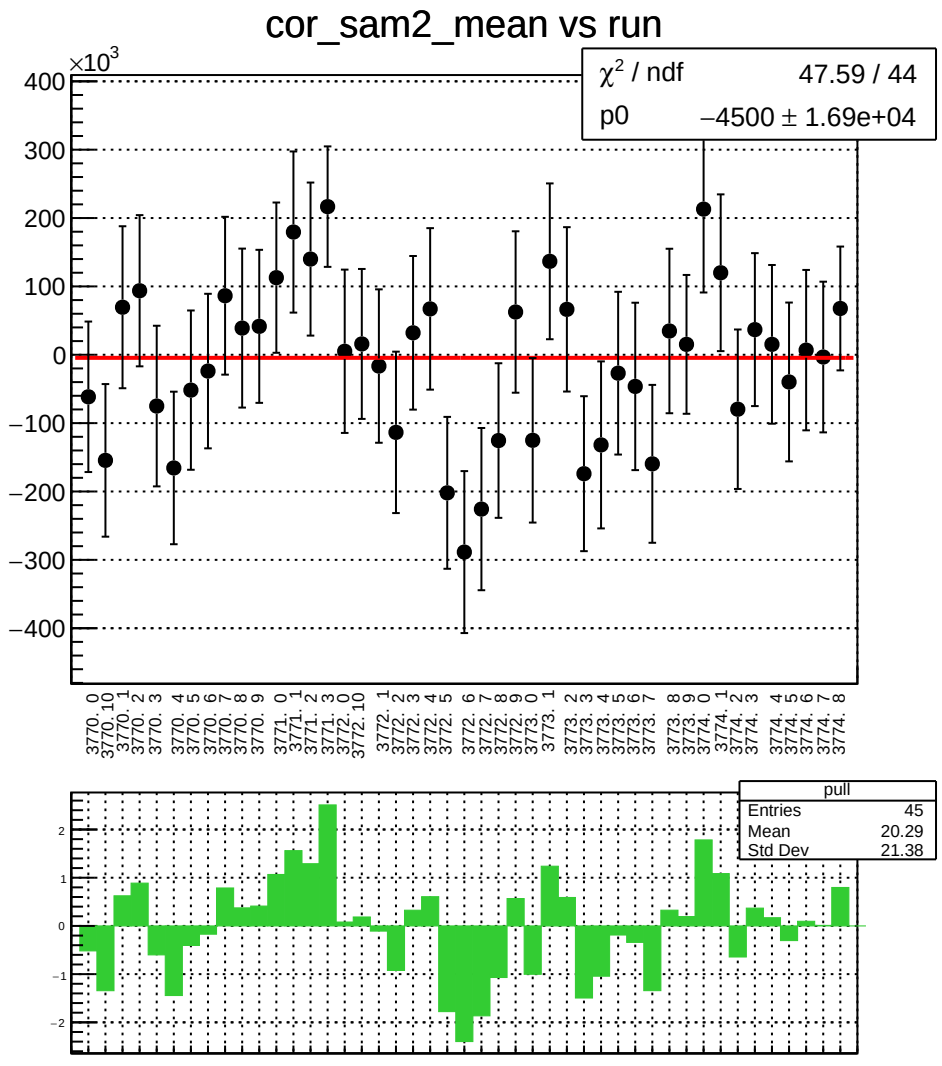

yield_sam7_rms vs run
χ² / ndf 8495 / 44
p0 0.1701 ± 0.0001866
0.45
0.4
0.35
0.3
0.25
0.2
0.15
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

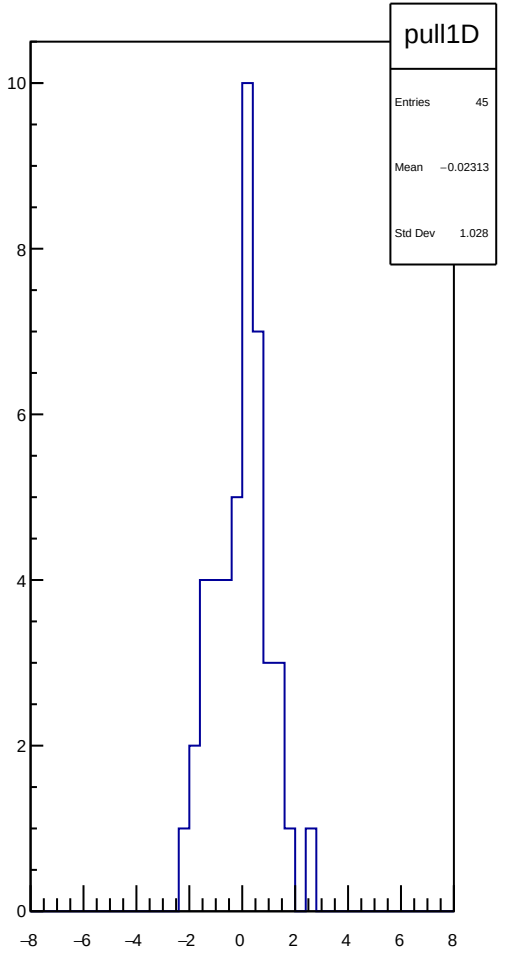

yield_sam8_mean vs run
χ² / ndf 5.63e+05 / 44
p0 17.16 ± 0.0001058
17.3
17.25
17.2
17.15
17.1
17.05
17
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −3.487e+04
Std Dev 3.489e+04
200
150
100
50
0
−50
−100
−150
pull1D
Entries 45
Mean −1.165
Std Dev 5.454
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

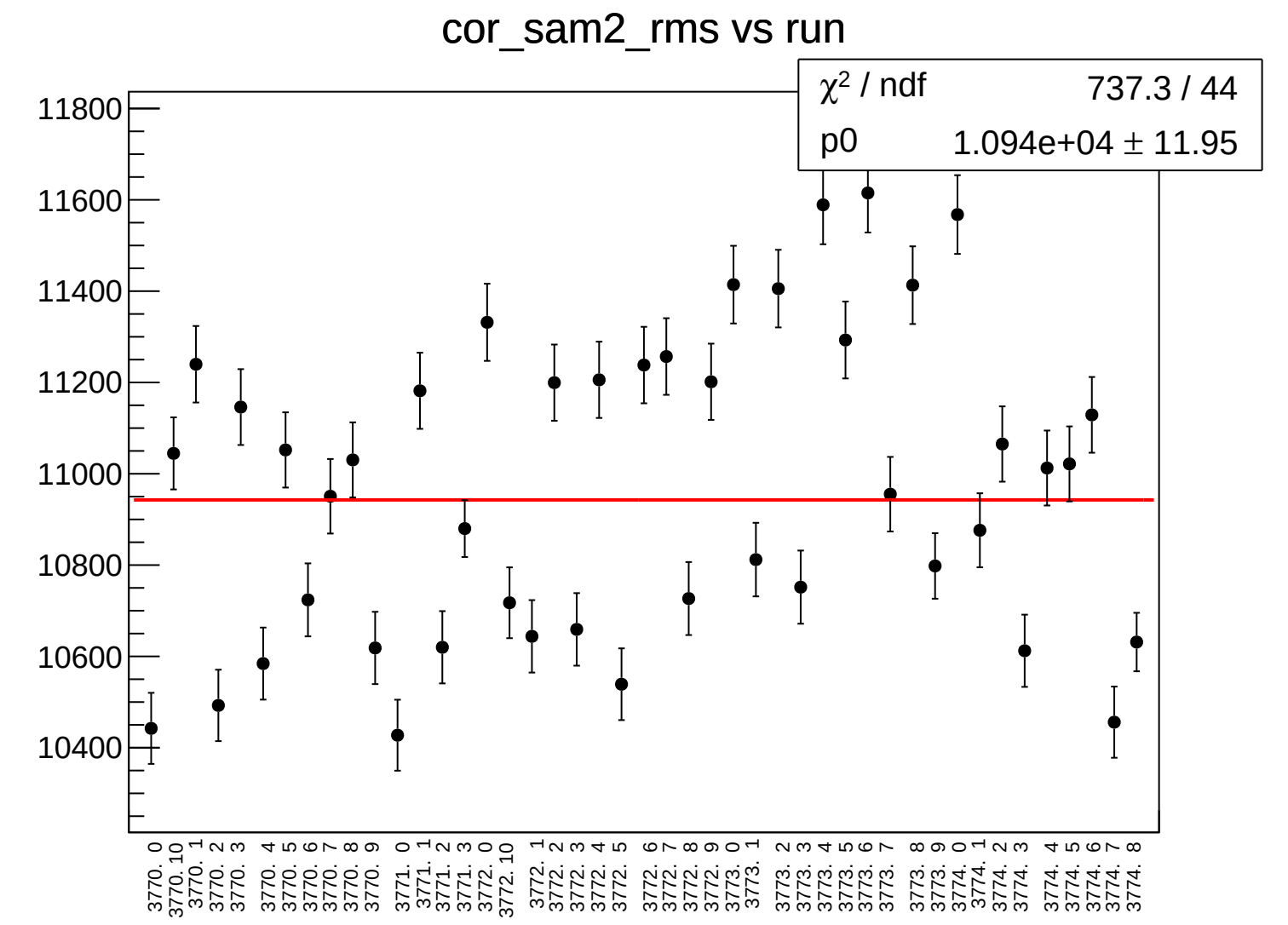

yield_sam8_rms vs run
χ² / ndf 8287 / 44
p0 0.06823 ± 7.484e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

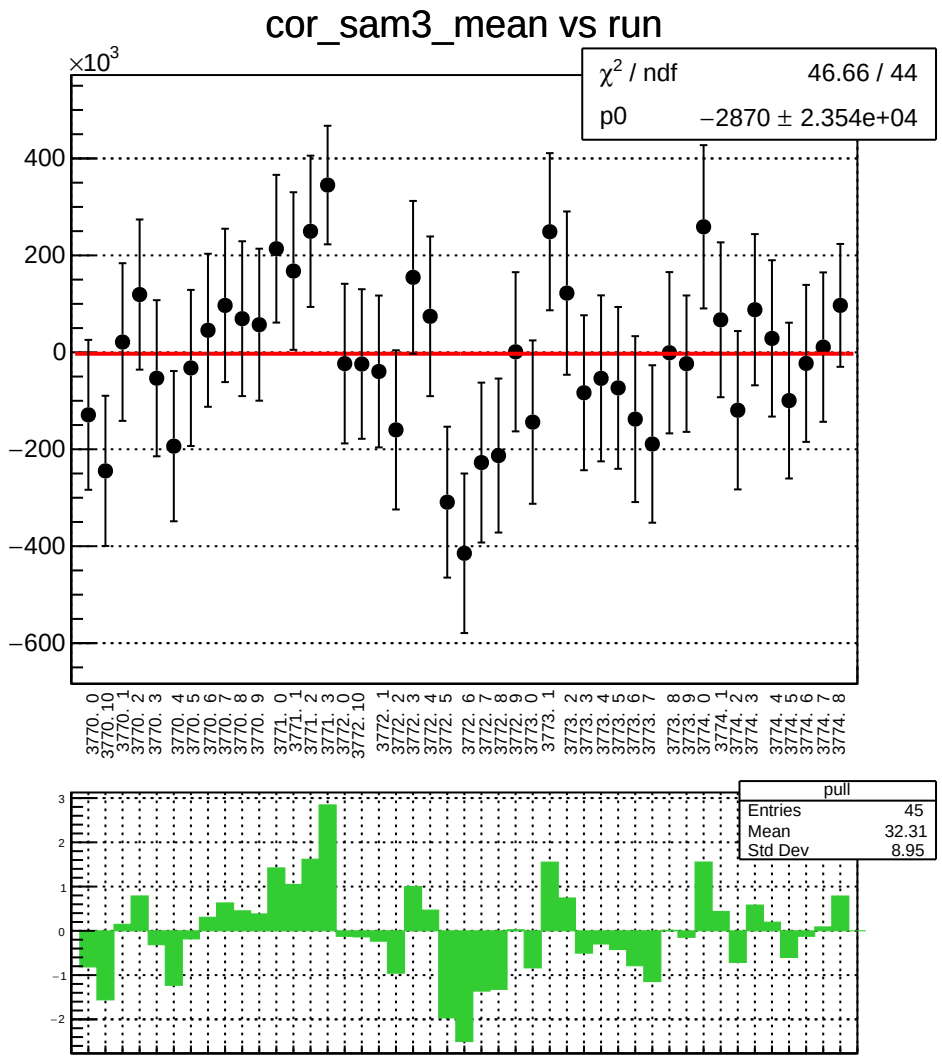

cor_sam1_mean vs run
χ² / ndf 63.49 / 44
p0 756.3 ± 2373
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −352.7
Std Dev 379.4
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.006827
Std Dev 1.188
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

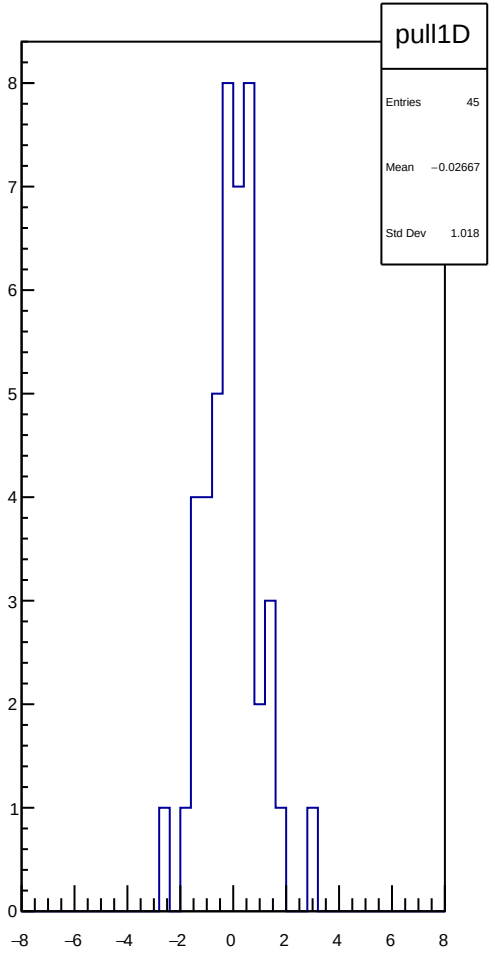

cor_sam1_rms vs run
χ² / ndf 3267 / 44
p0 1534 ± 1.678
1700
1650
1600
1550
1500
1450
1400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

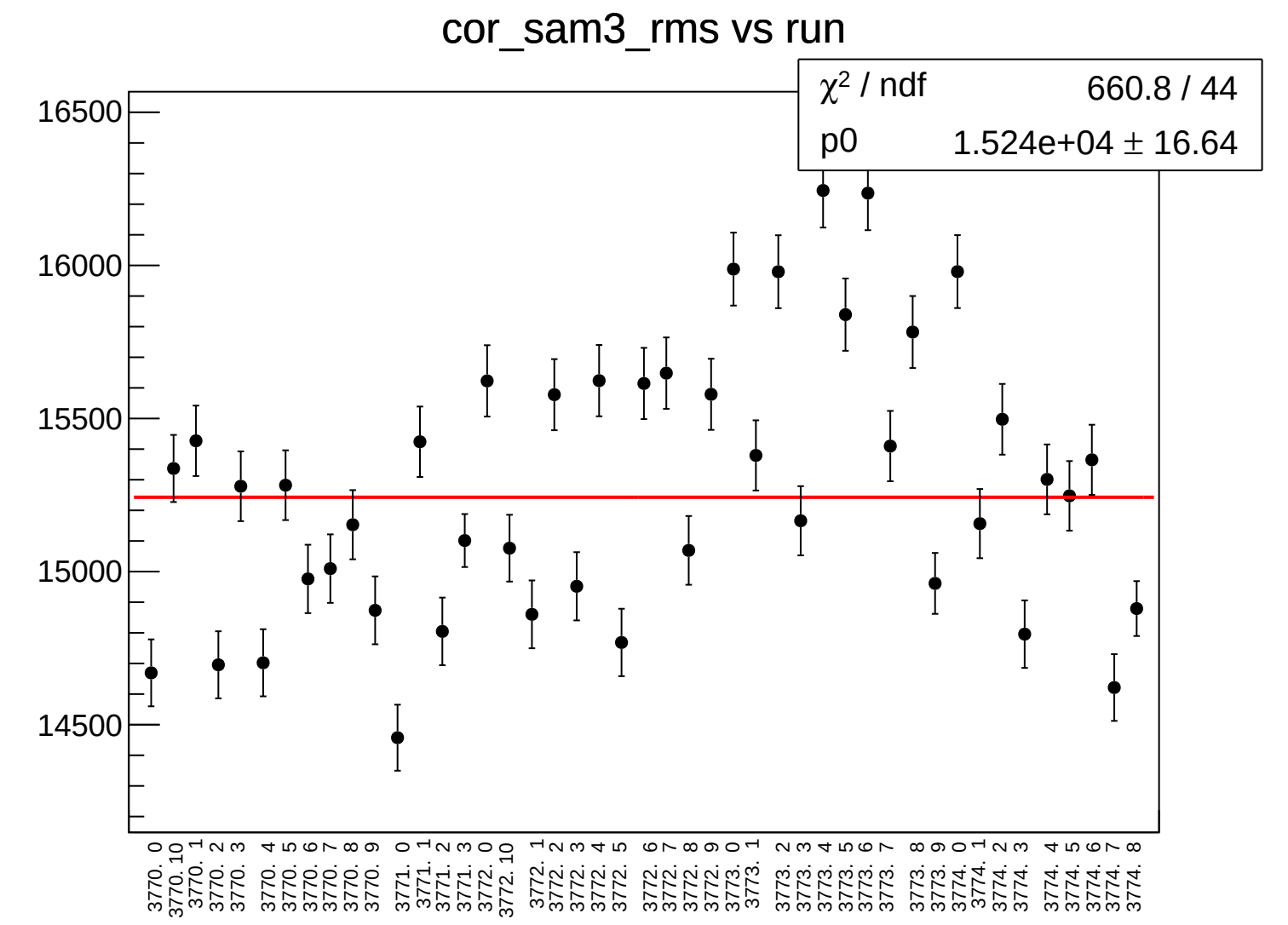

cor_sam2_mean vs run
×10^3
χ² / ndf 47.59 / 44
p0 −4500 ± 1.69e+04
pull
Entries 45
Mean 20.29
Std Dev 21.38

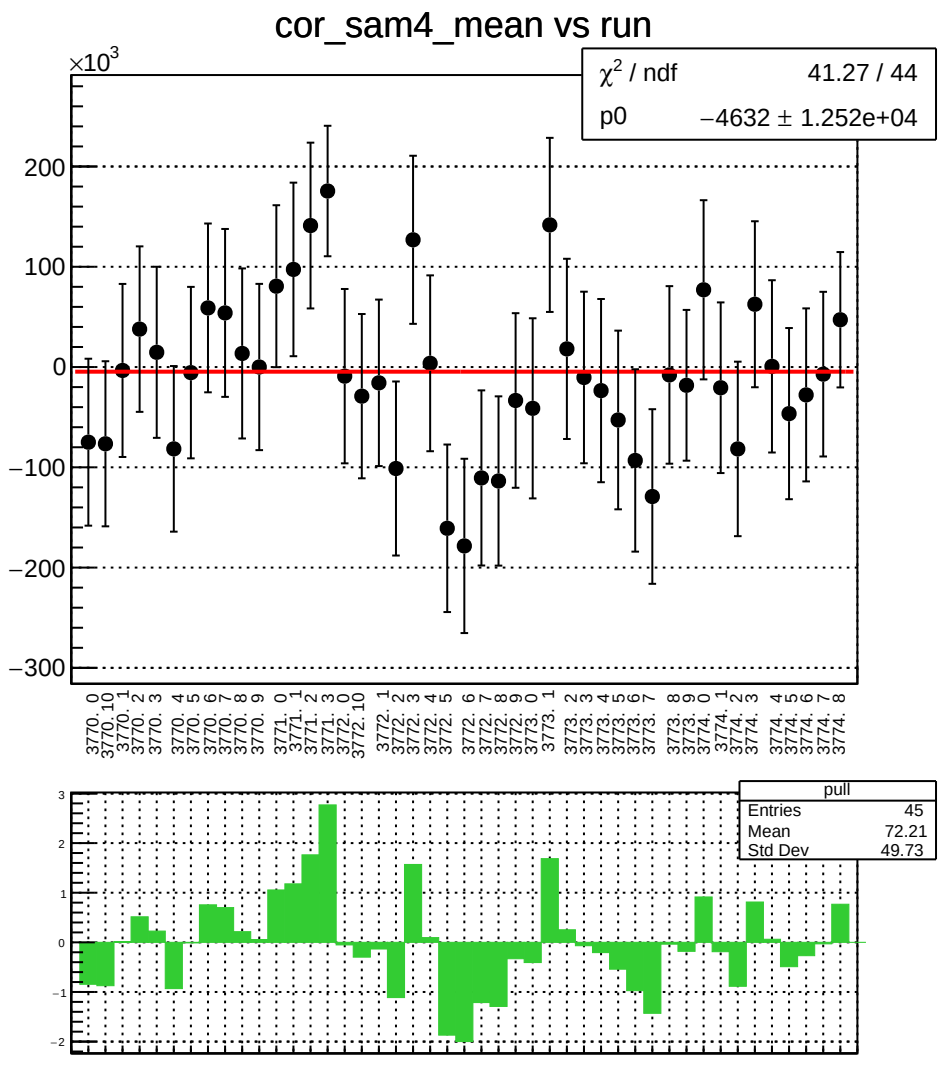

pull1D
Entries 45
Mean −0.02313
Std Dev 1.028

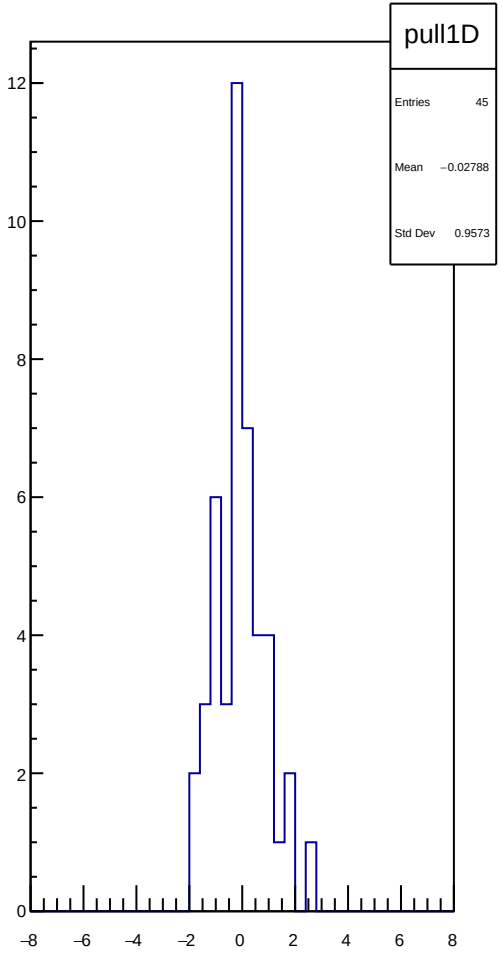

cor_sam2_rms vs run
χ² / ndf 737.3 / 44
p0 1.094e+04 ± 11.95
11800
11600
11400
11200
11000
10800
10600
10400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

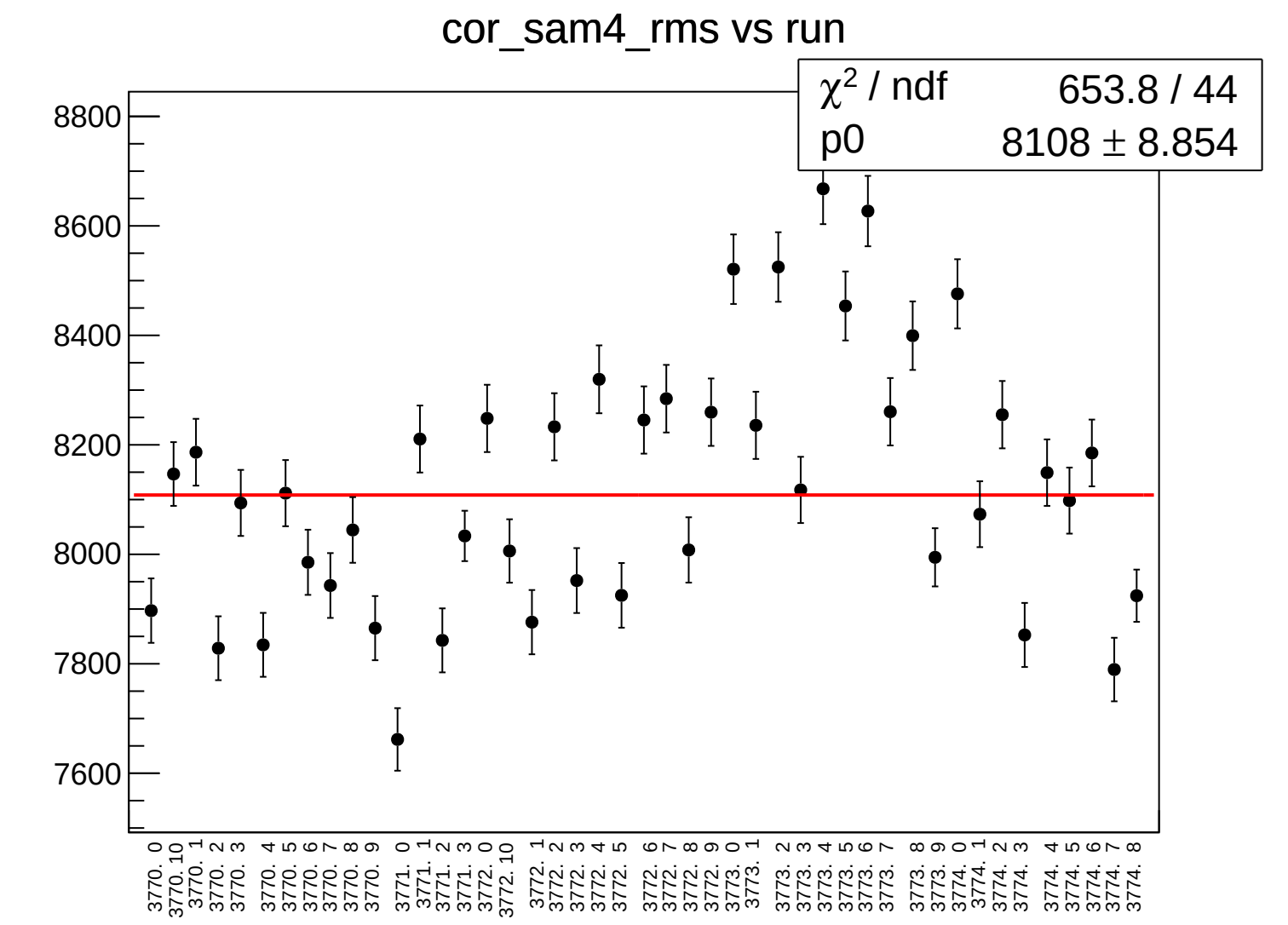

cor_sam3_mean vs run
×10^3
χ² / ndf 46.66 / 44
p0 −2870 ± 2.354e+04
400
200
0
−200
−400
−600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 32.31
Std Dev 8.95
3
2
1
0
−1
−2

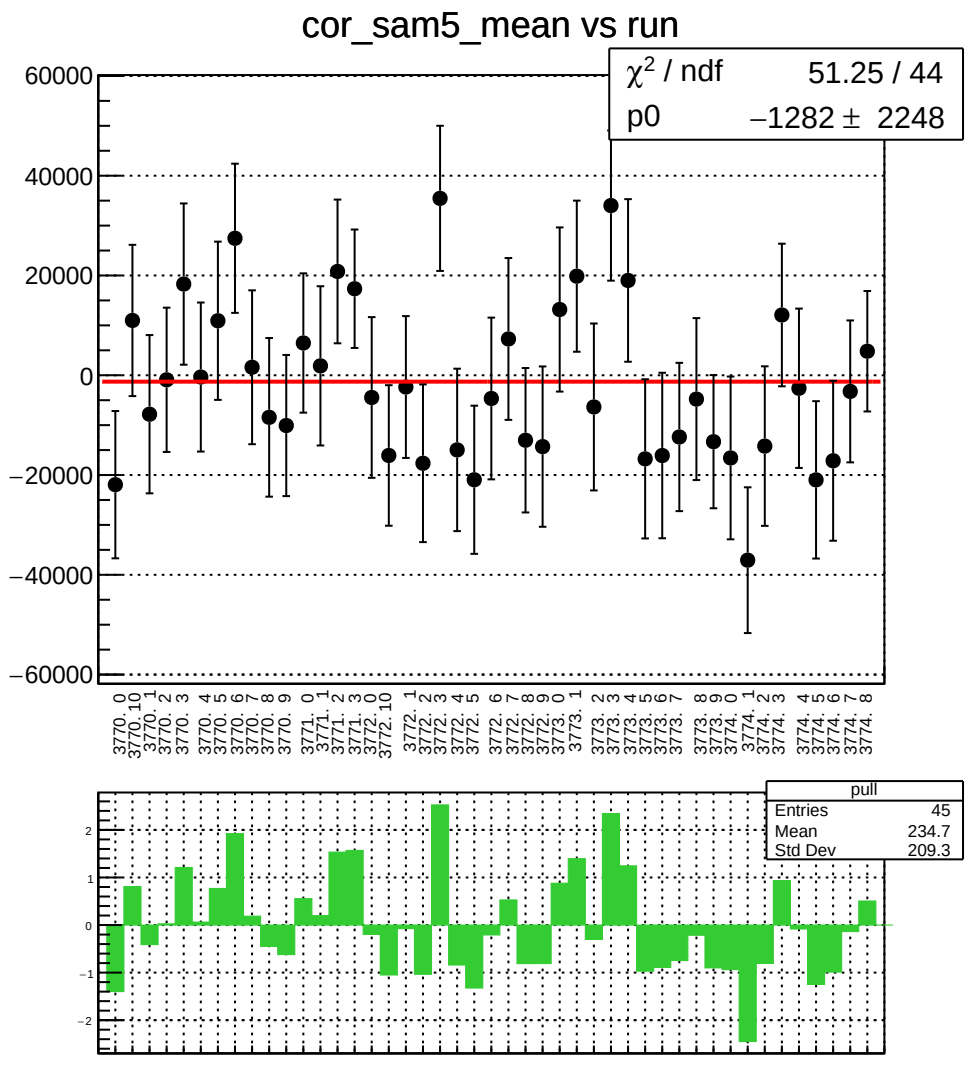

pull1D
Entries 45
Mean −0.02667
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

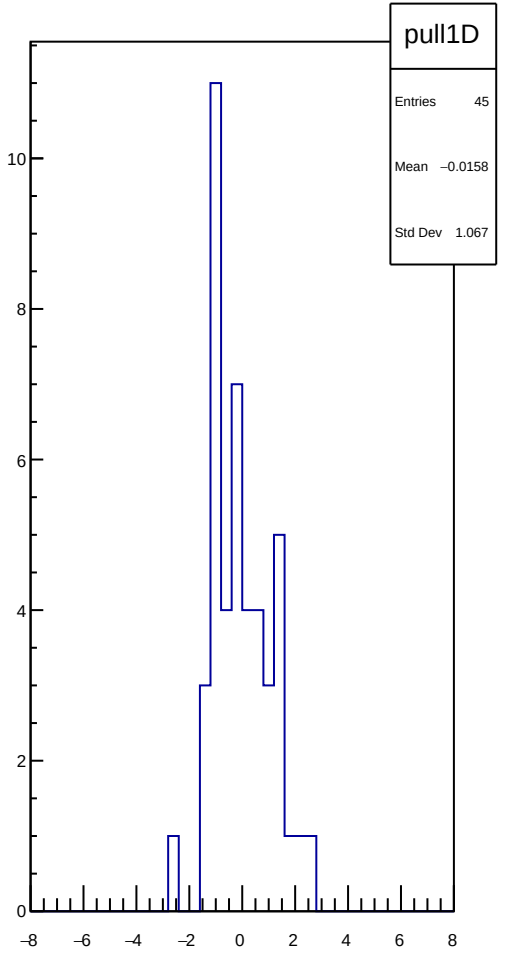

cor_sam3_rms vs run
χ² / ndf 660.8 / 44
p0 1.524e+04 ± 16.64
16500
16000
15500
15000
14500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

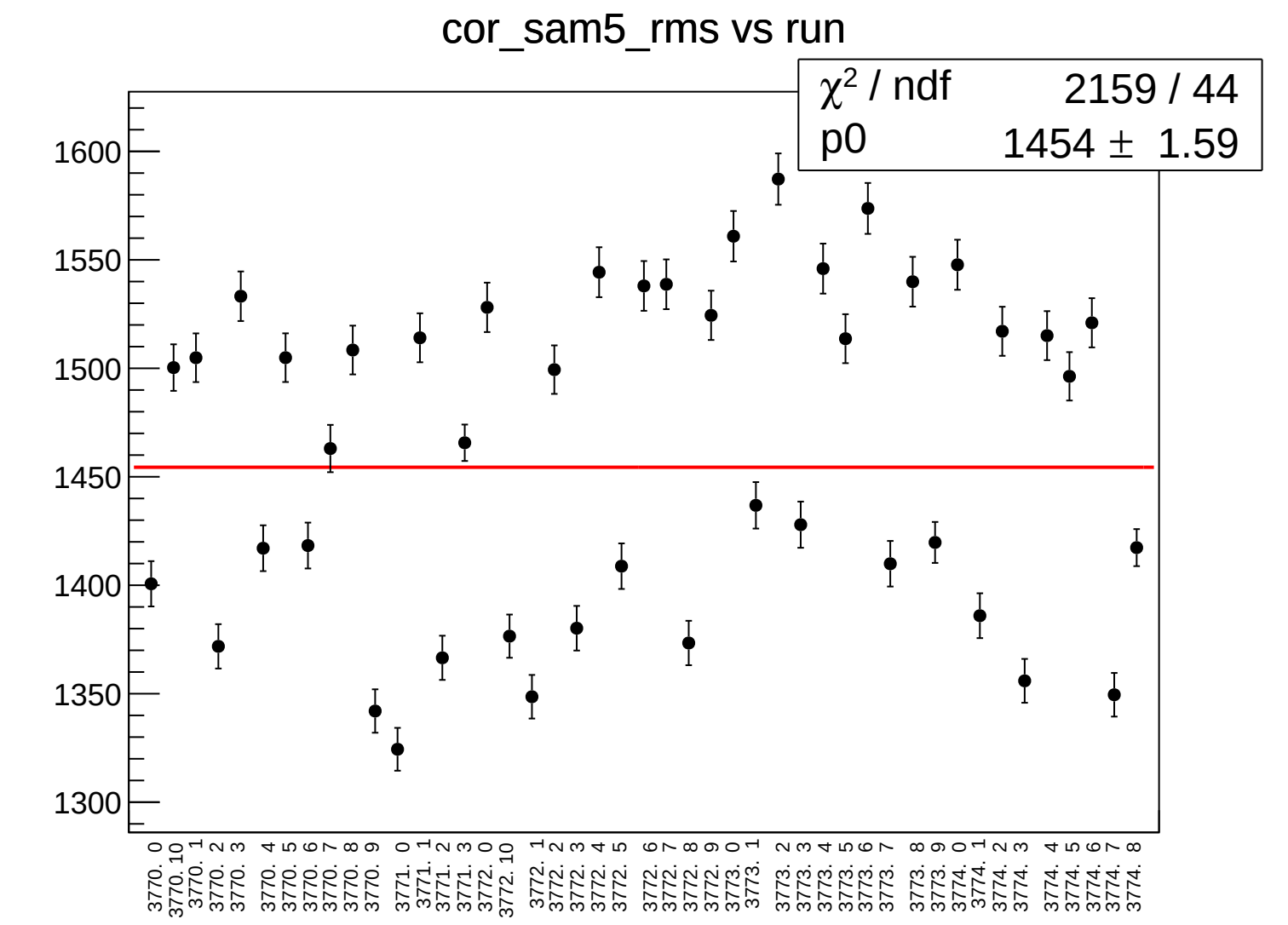

cor_sam4_mean vs run
×10^3
χ² / ndf 41.27 / 44
p0 −4632 ± 1.252e+04
200
100
0
−100
−200
−300
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 72.21
Std Dev 49.73
3
2
1
0
−1
−2

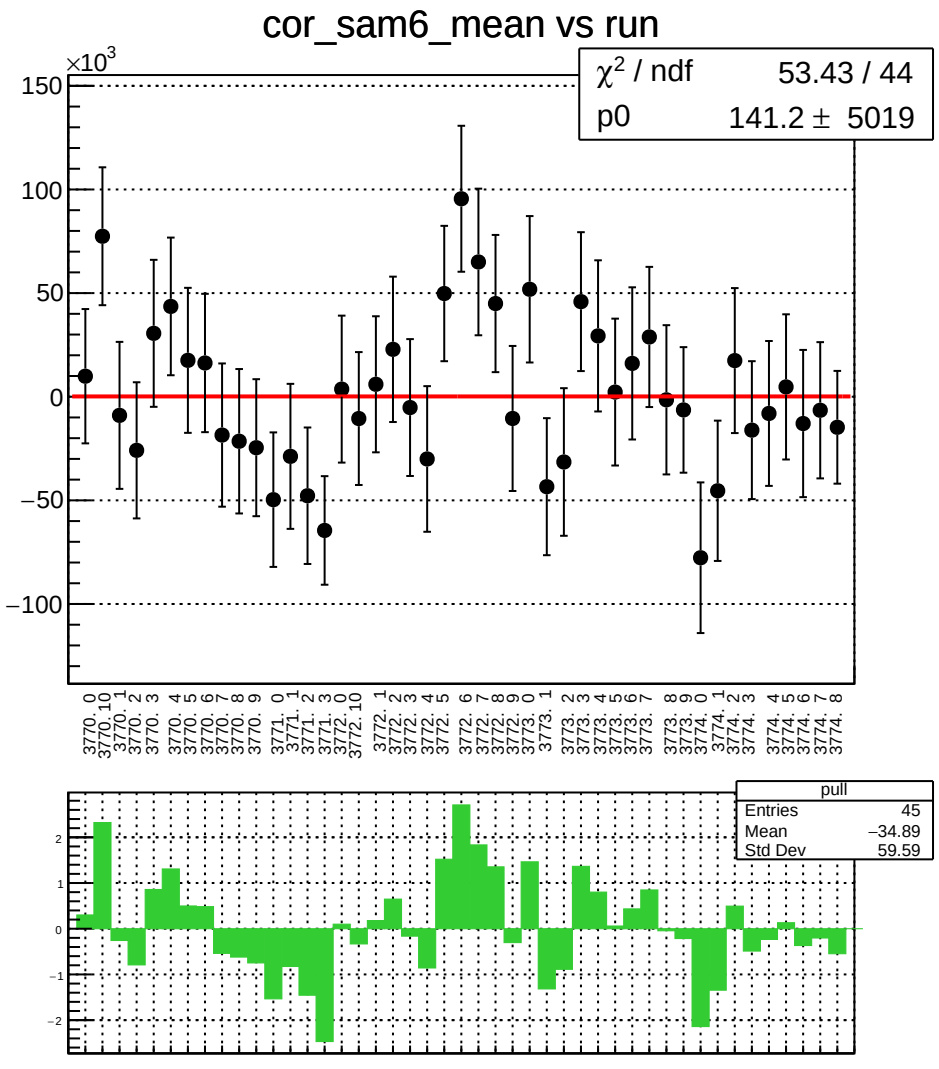

pull1D
Entries 45
Mean −0.02788
Std Dev 0.9573
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

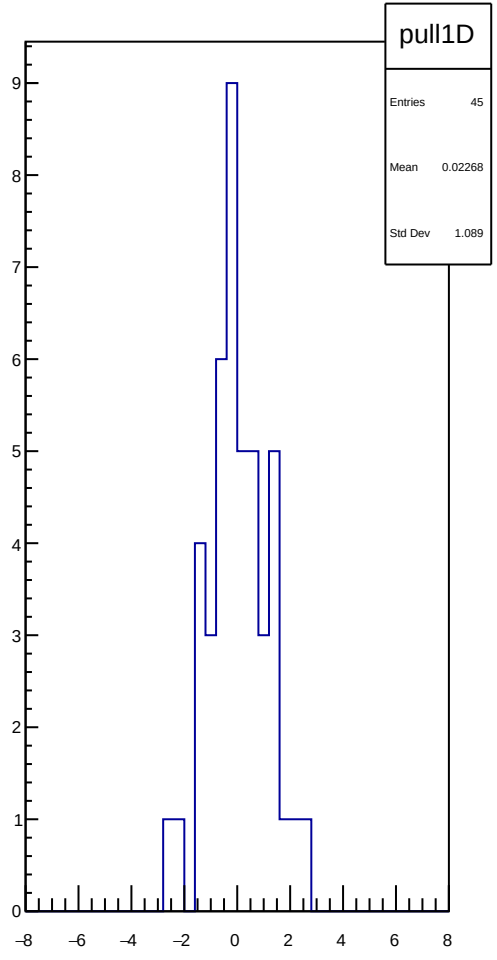

cor_sam4_rms vs run
χ² / ndf 653.8 / 44
p0 8108 ± 8.854
8800
8600
8400
8200
8000
7800
7600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

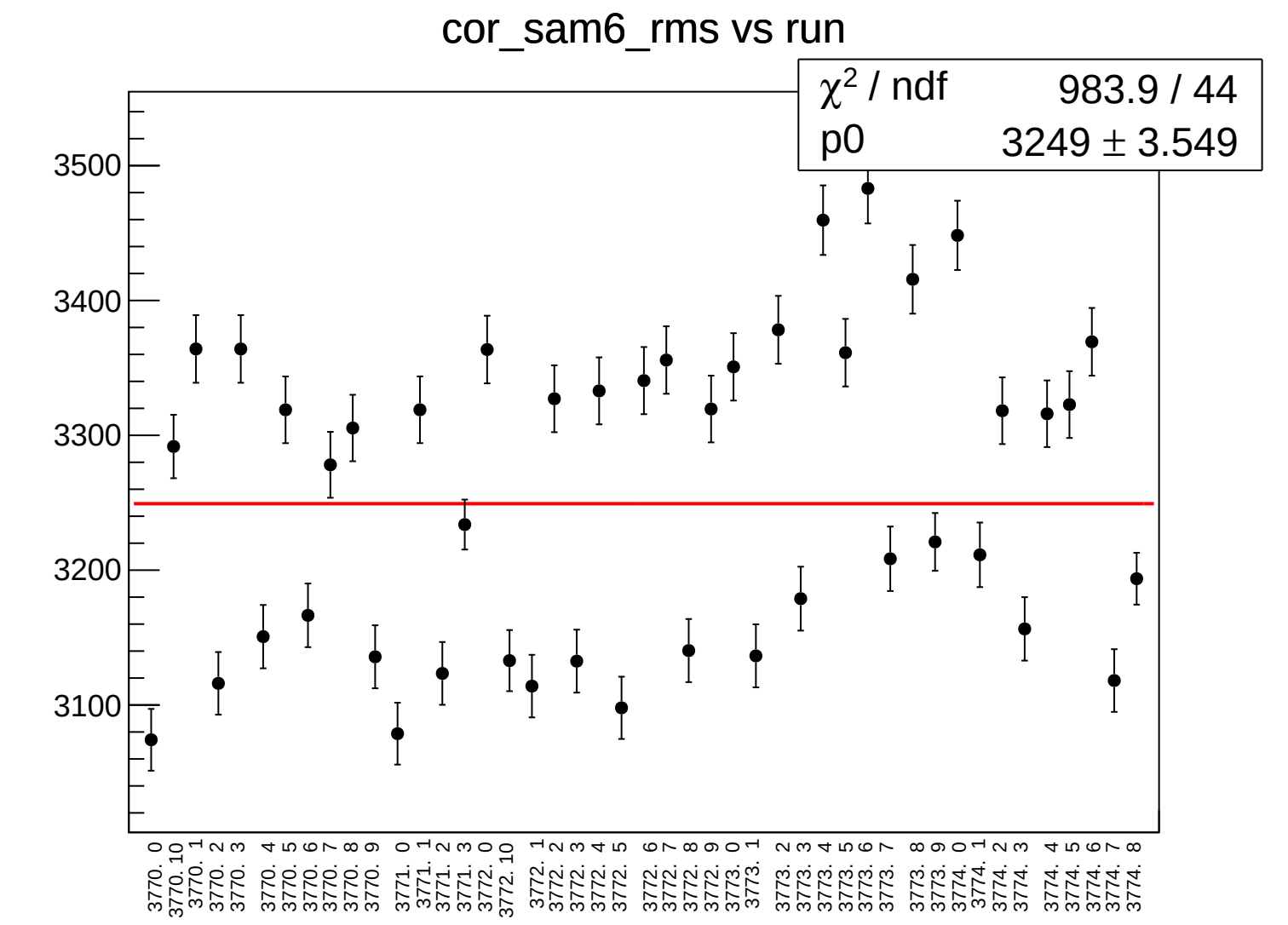

cor_sam5_mean vs run
χ² / ndf 51.25 / 44
p0 −1282 ± 2248
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 234.7
Std Dev 209.3
2
1
0
−1
−2

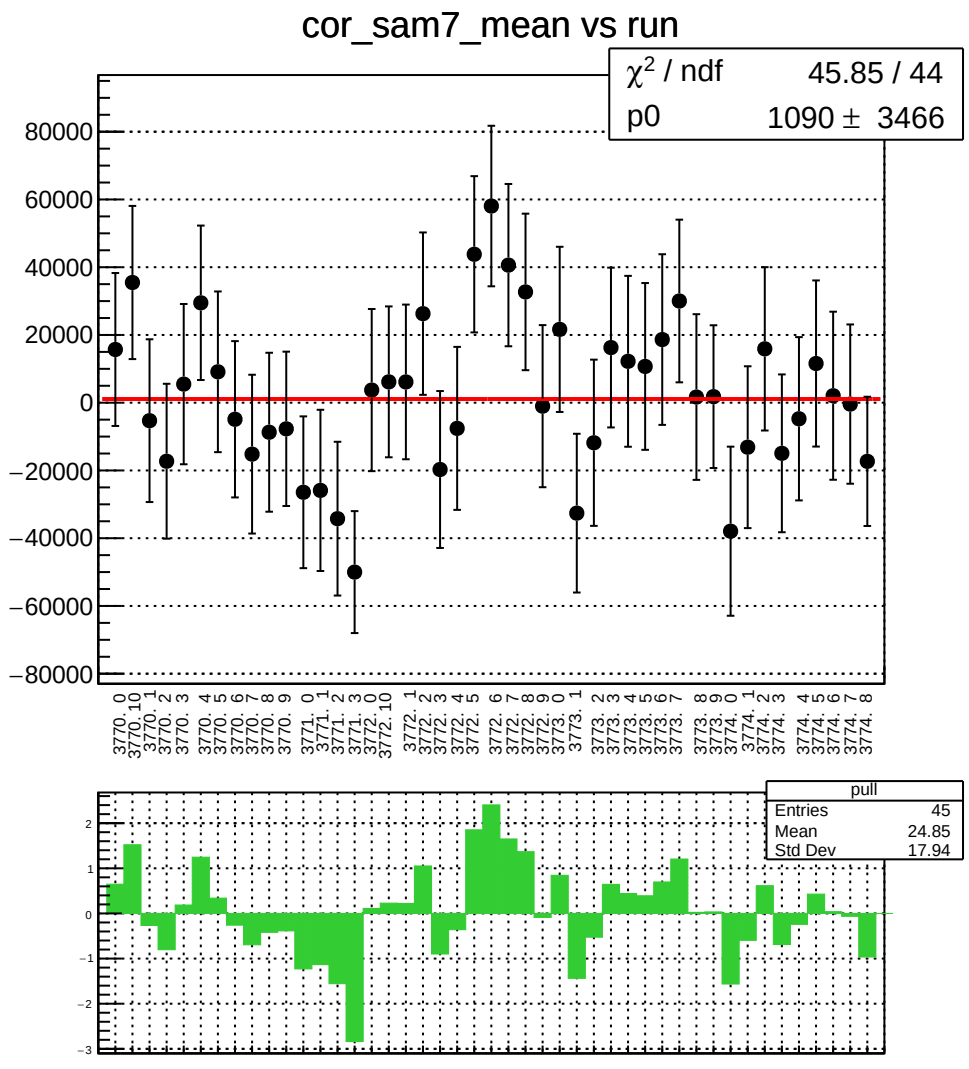

pull1D
Entries 45
Mean −0.0158
Std Dev 1.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

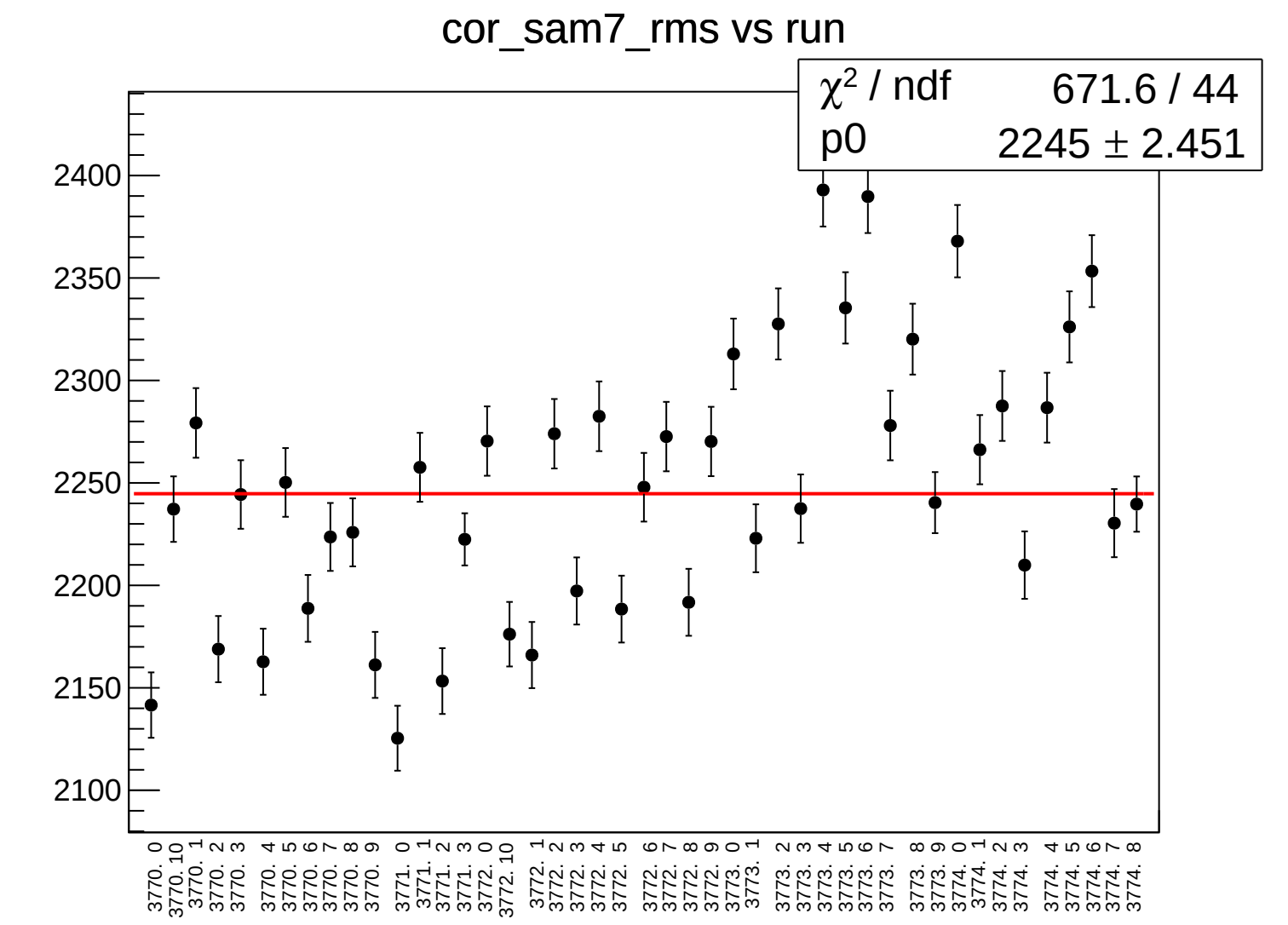

cor_sam5_rms vs run
χ² / ndf 2159 / 44
p0 1454 ± 1.59
1600
1550
1500
1450
1400
1350
1300
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

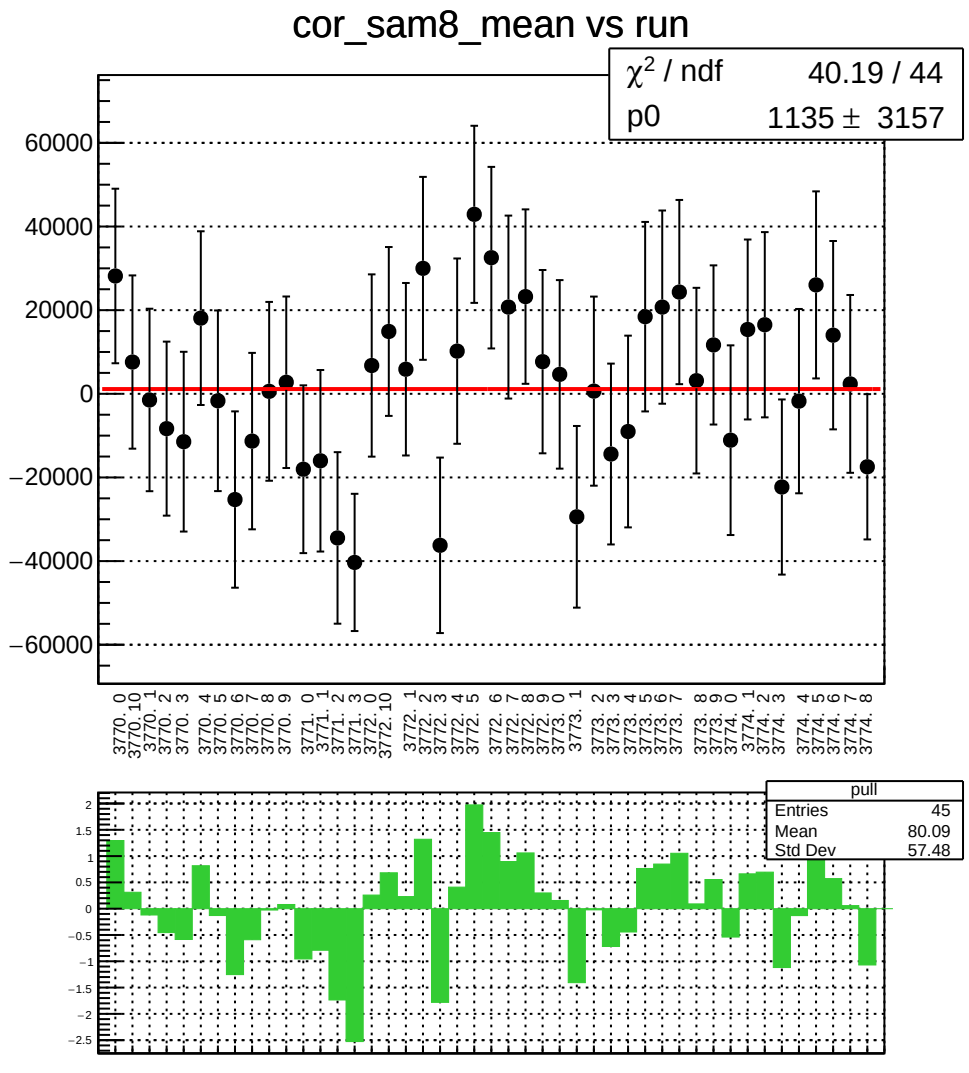

cor_sam6_mean vs run
×10^3
χ² / ndf 53.43 / 44
p0 141.2 ± 5019
150
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −34.89
Std Dev 59.59
2
1
0
−1
−2

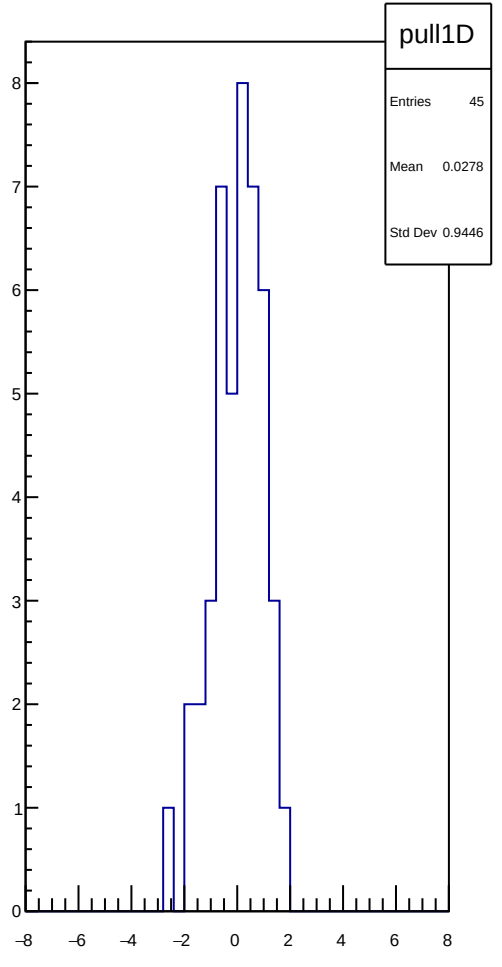

pull1D
Entries 45
Mean 0.02268
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

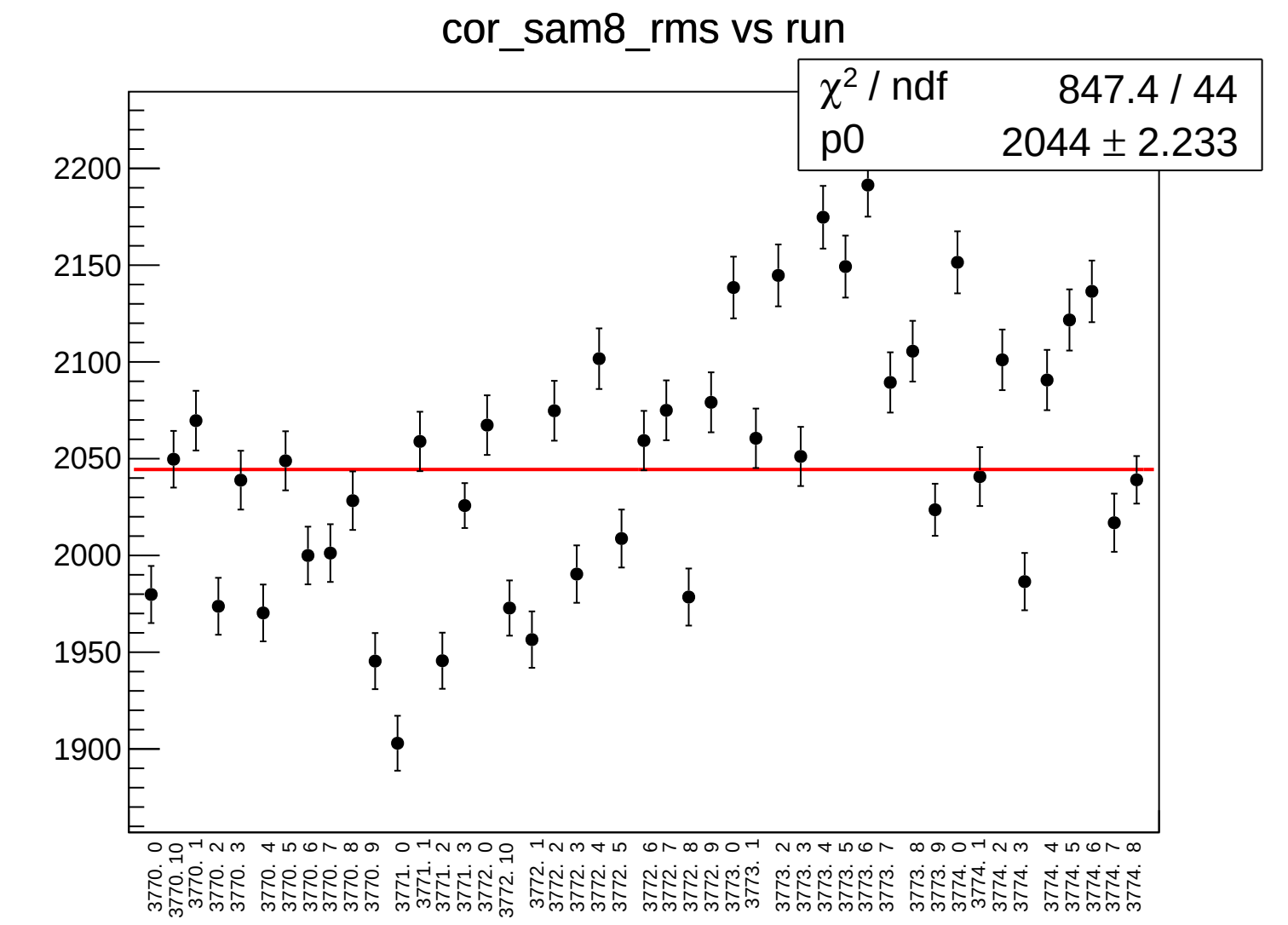

cor_sam6_rms vs run
χ^2 / ndf 983.9 / 44
p0 3249 ± 3.549
3500
3400
3300
3200
3100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

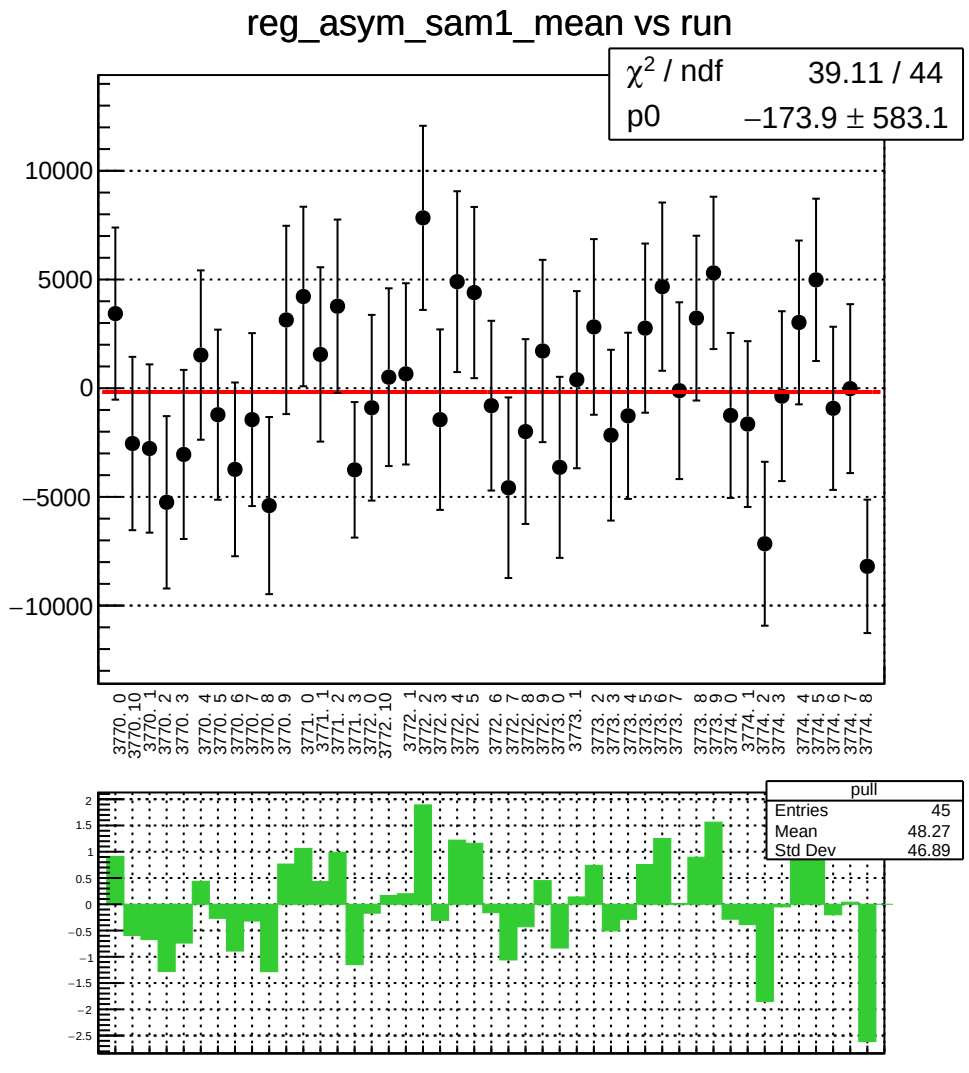

cor_sam7_mean vs run
χ² / ndf 45.85 / 44
p0 1090 ± 3466
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 24.85
Std Dev 17.94
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.02608
Std Dev 1.009
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

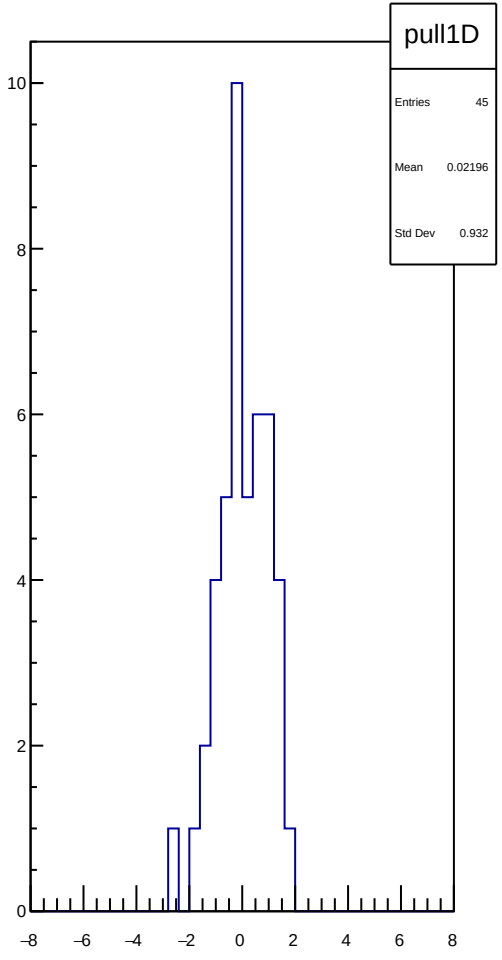

cor_sam7_rms vs run
χ^2 / ndf 671.6 / 44
p0 2245 ± 2.451
2400
2350
2300
2250
2200
2150
2100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

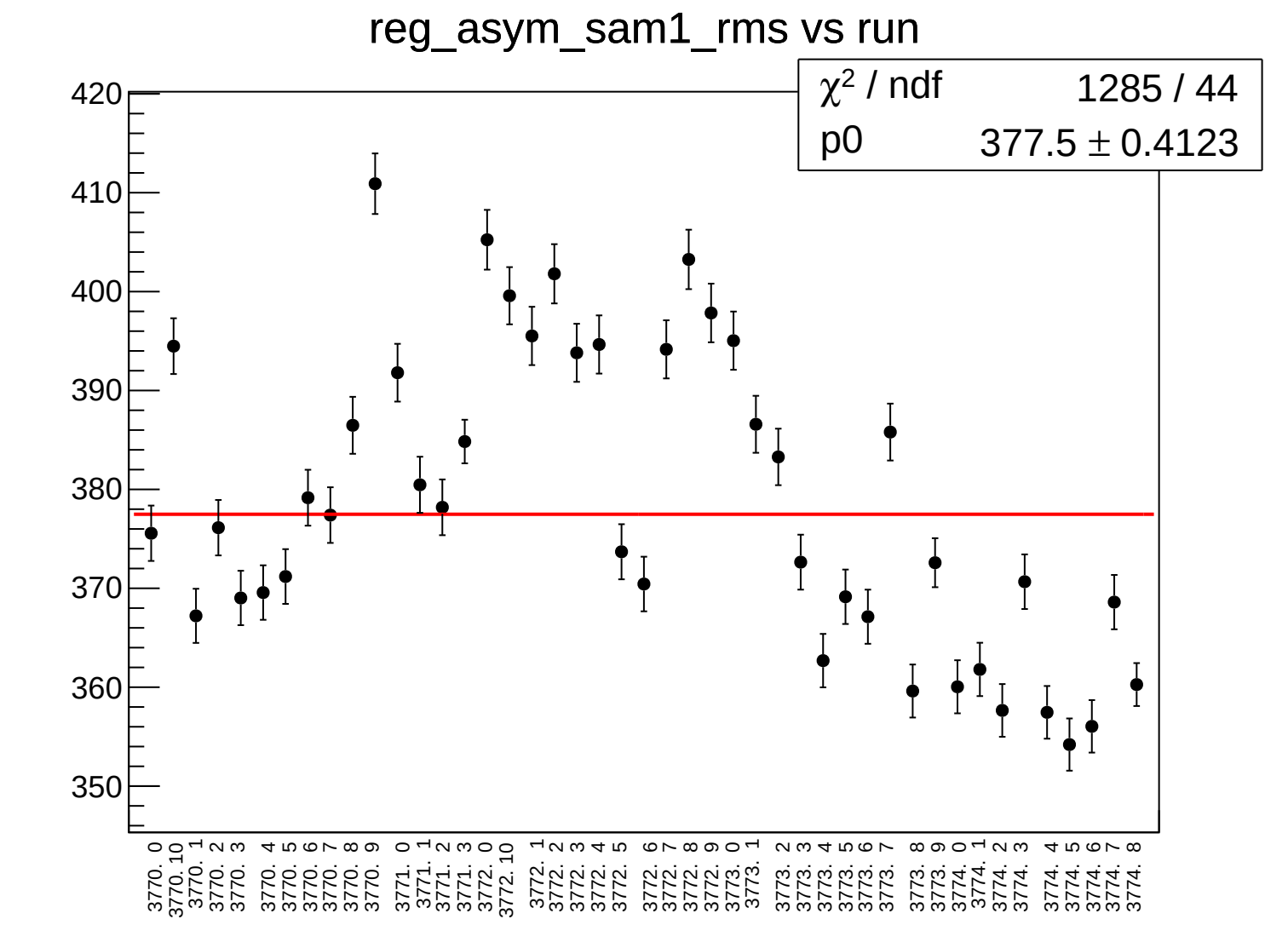

cor_sam8_mean vs run
χ² / ndf 40.19 / 44
p0 1135 ± 3157
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 80.09
Std Dev 57.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

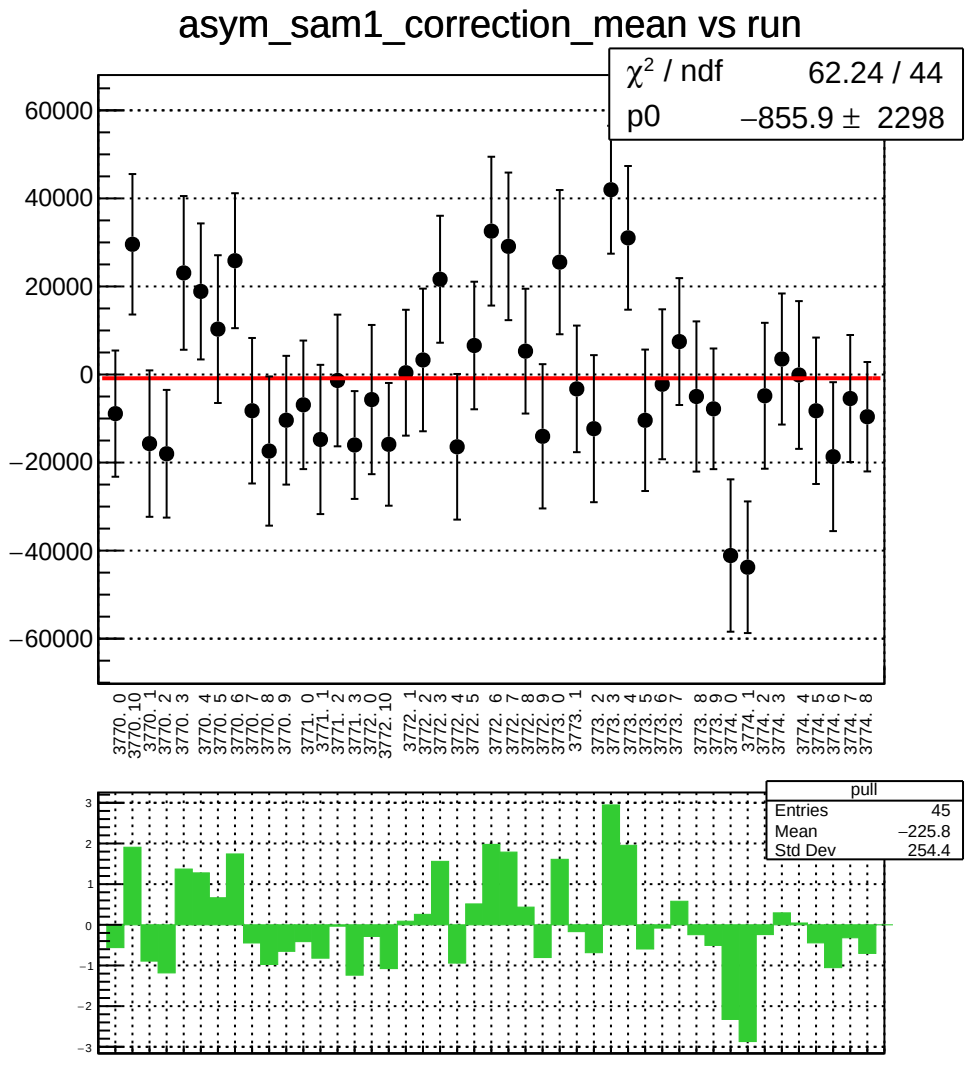

pull1D
Entries 45
Mean 0.0278
Std Dev 0.9446
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

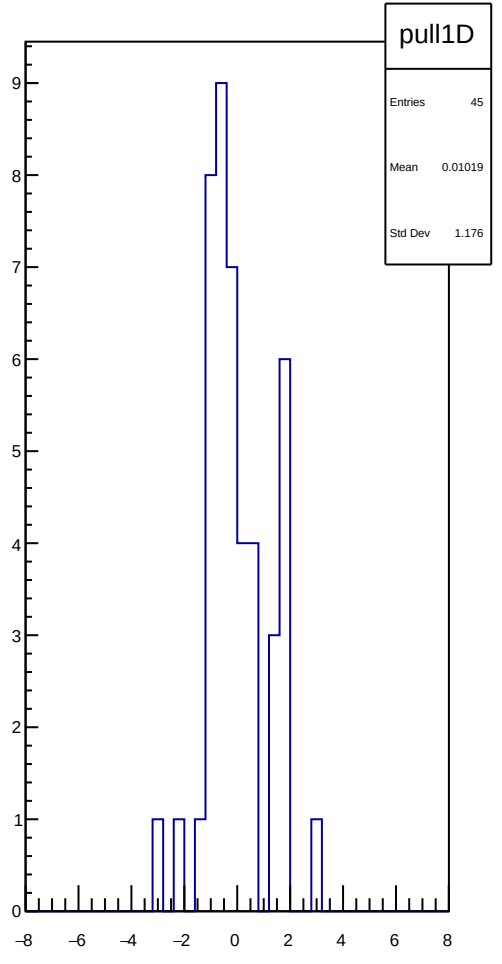

cor_sam8_rms vs run
χ^2 / ndf 847.4 / 44
p0 2044 ± 2.233
2200
2150
2100
2050
2000
1950
1900
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

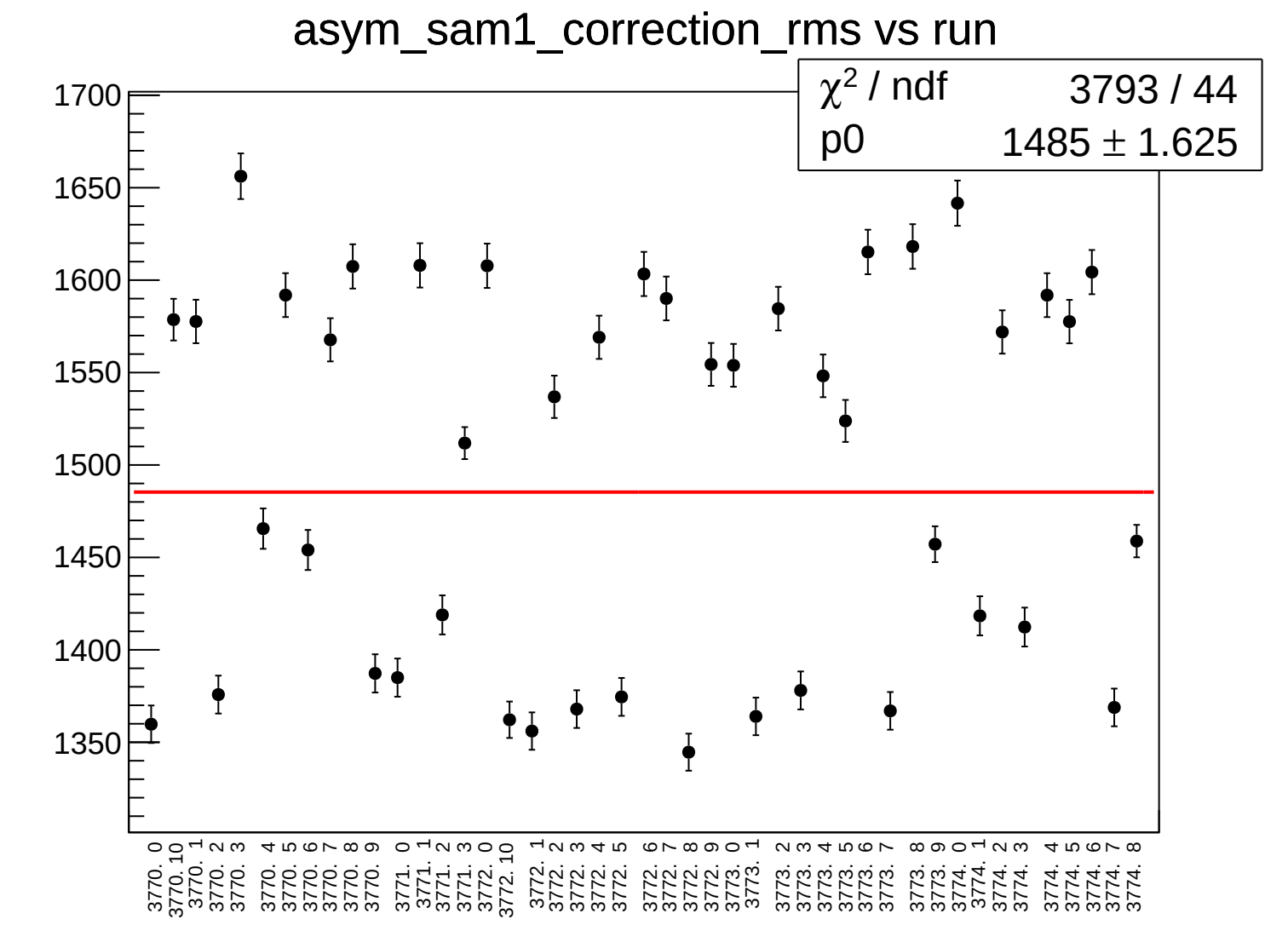

reg_asym_sam1_mean vs run
χ² / ndf 39.11 / 44
p0 −173.9 ± 583.1
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 48.27
Std Dev 46.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

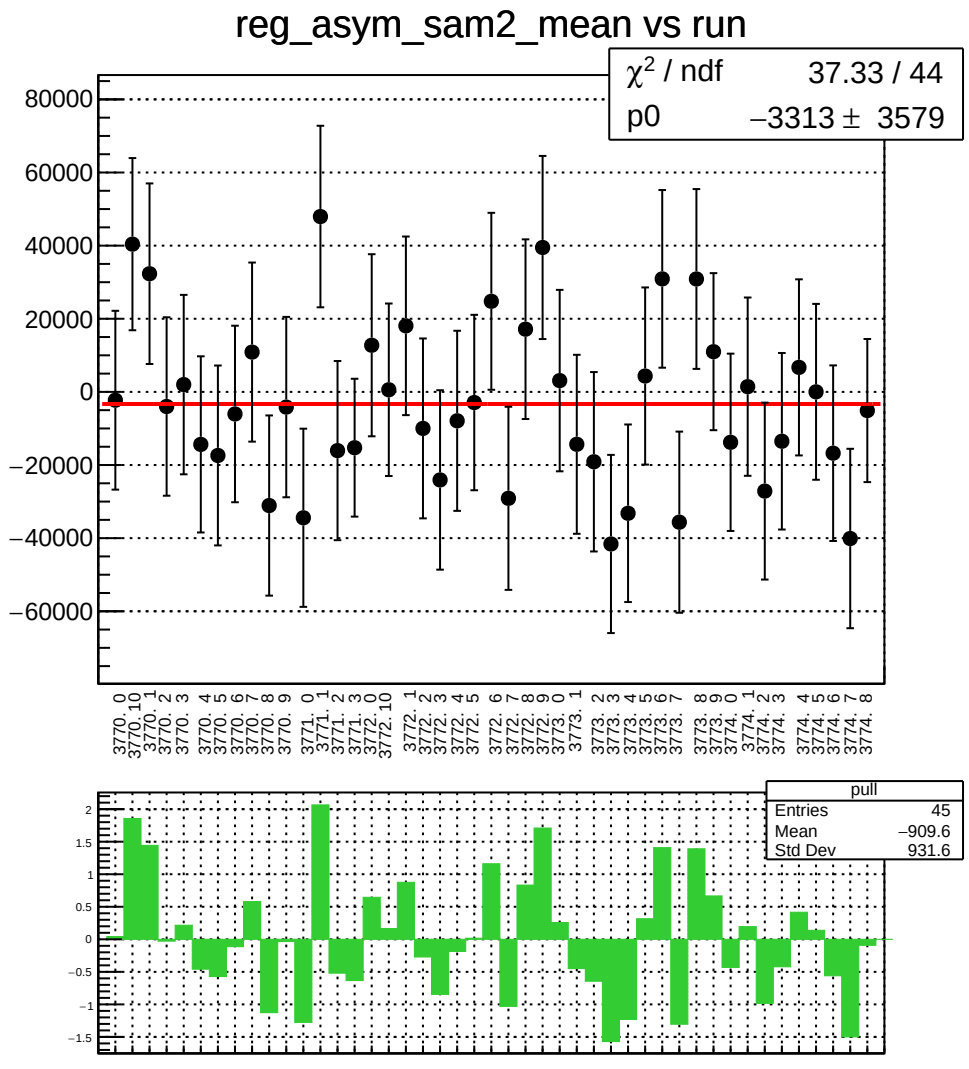

pull1D
Entries 45
Mean 0.02196
Std Dev 0.932
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

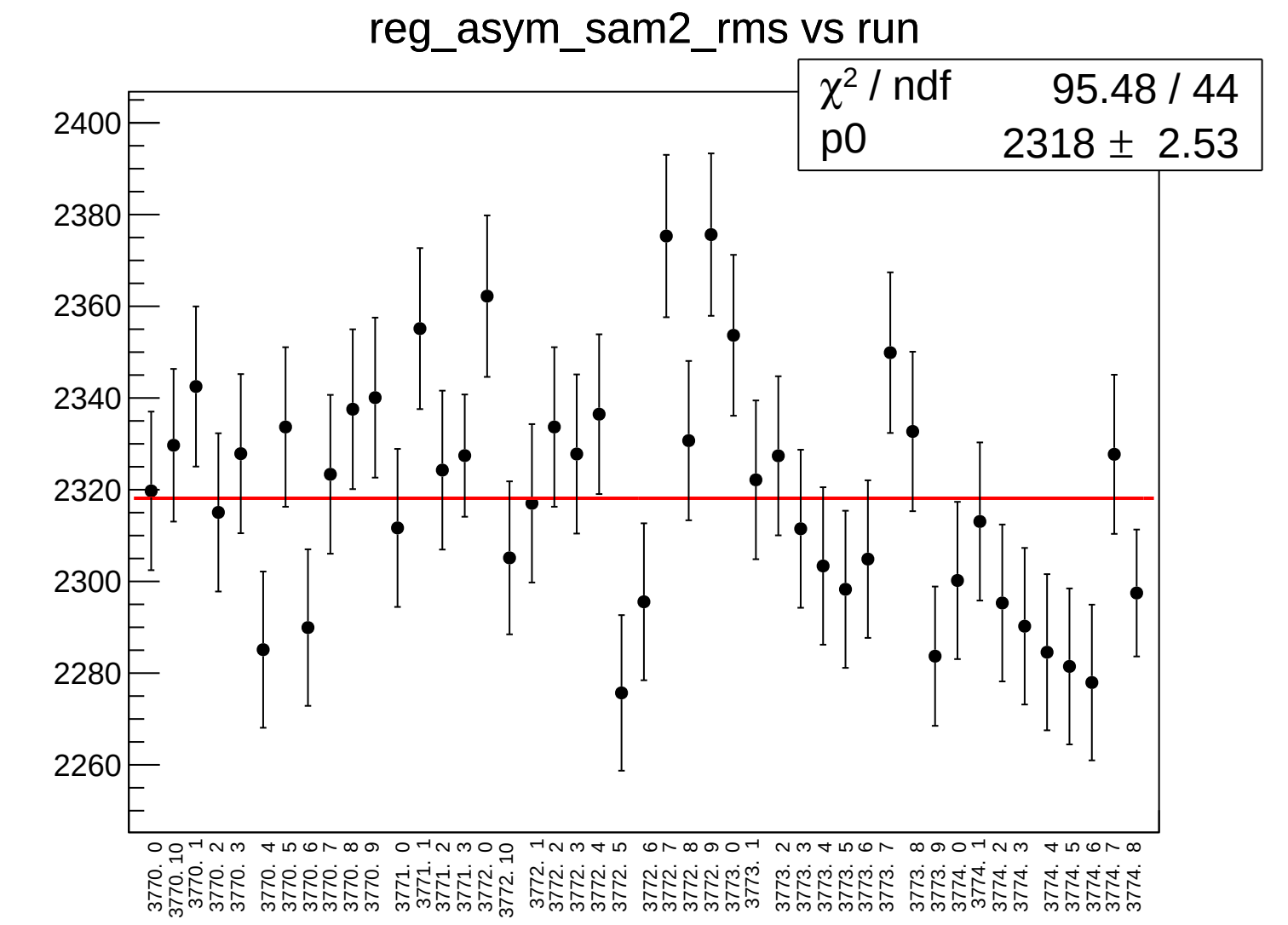

reg_asym_sam1_rms vs run
χ² / ndf 1285 / 44
p0 377.5 ± 0.4123
420
410
400
390
380
370
360
350
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

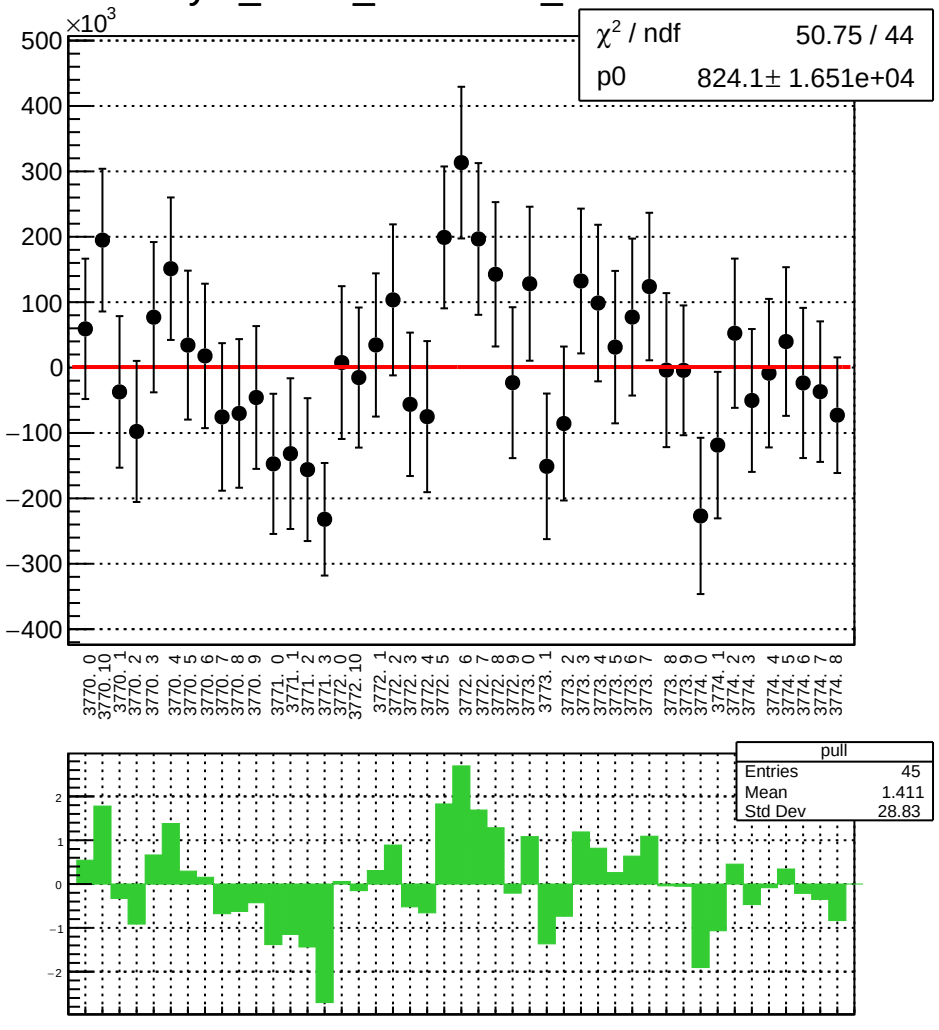

asym_sam1_correction_mean vs run
χ² / ndf 62.24 / 44
p0 −855.9 ± 2298
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −225.8
Std Dev 254.4
3
2
1
0
−1
−2
−3

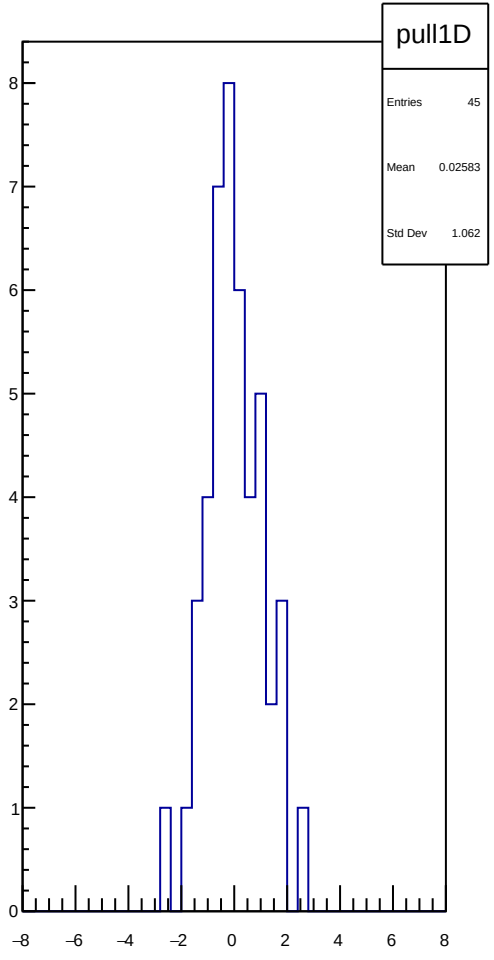

pull1D
Entries 45
Mean 0.01019
Std Dev 1.176
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

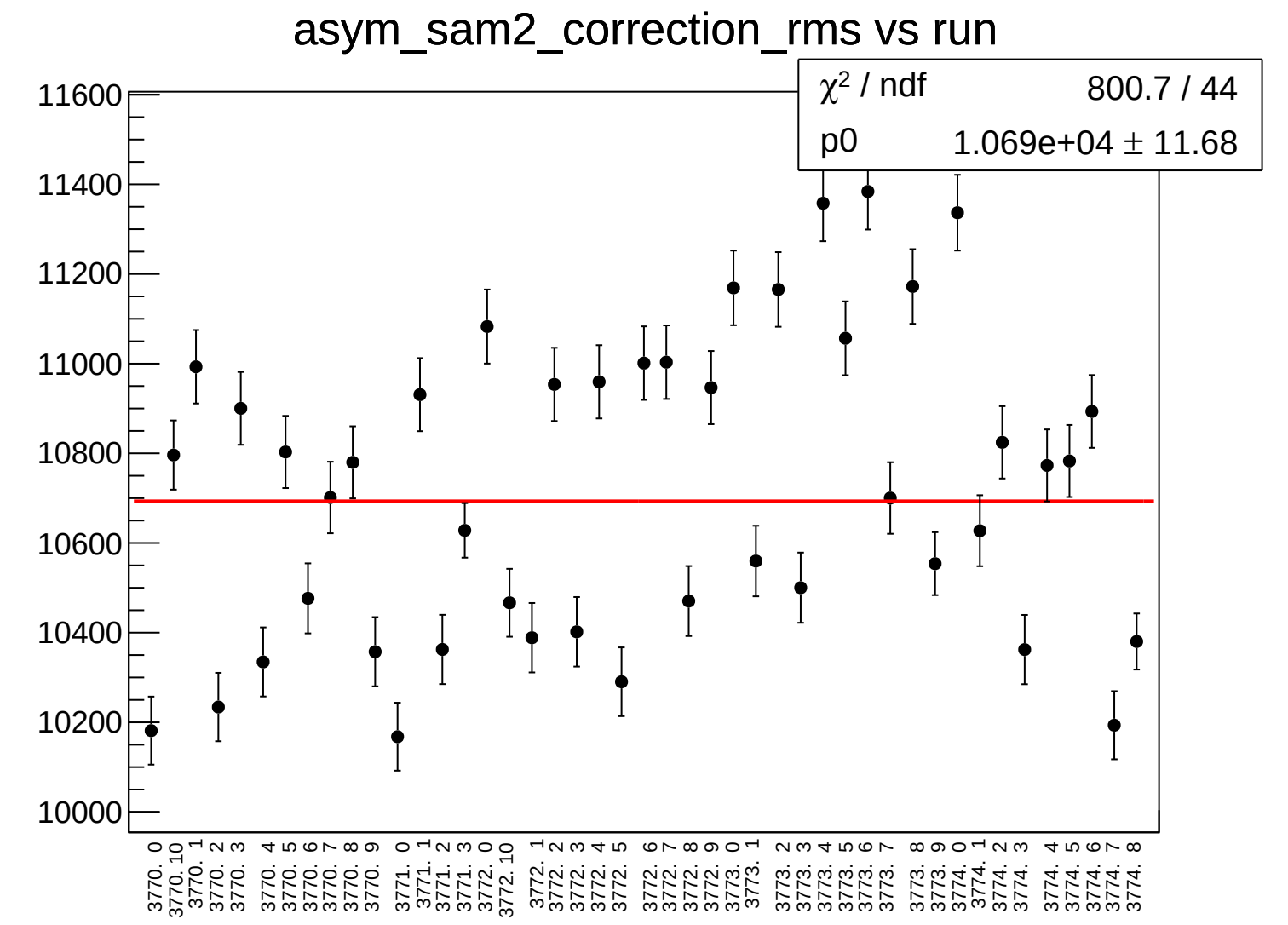

asym_sam1_correction_rms vs run
χ² / ndf 3793 / 44
p0 1485 ± 1.625
1700
1650
1600
1550
1500
1450
1400
1350
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

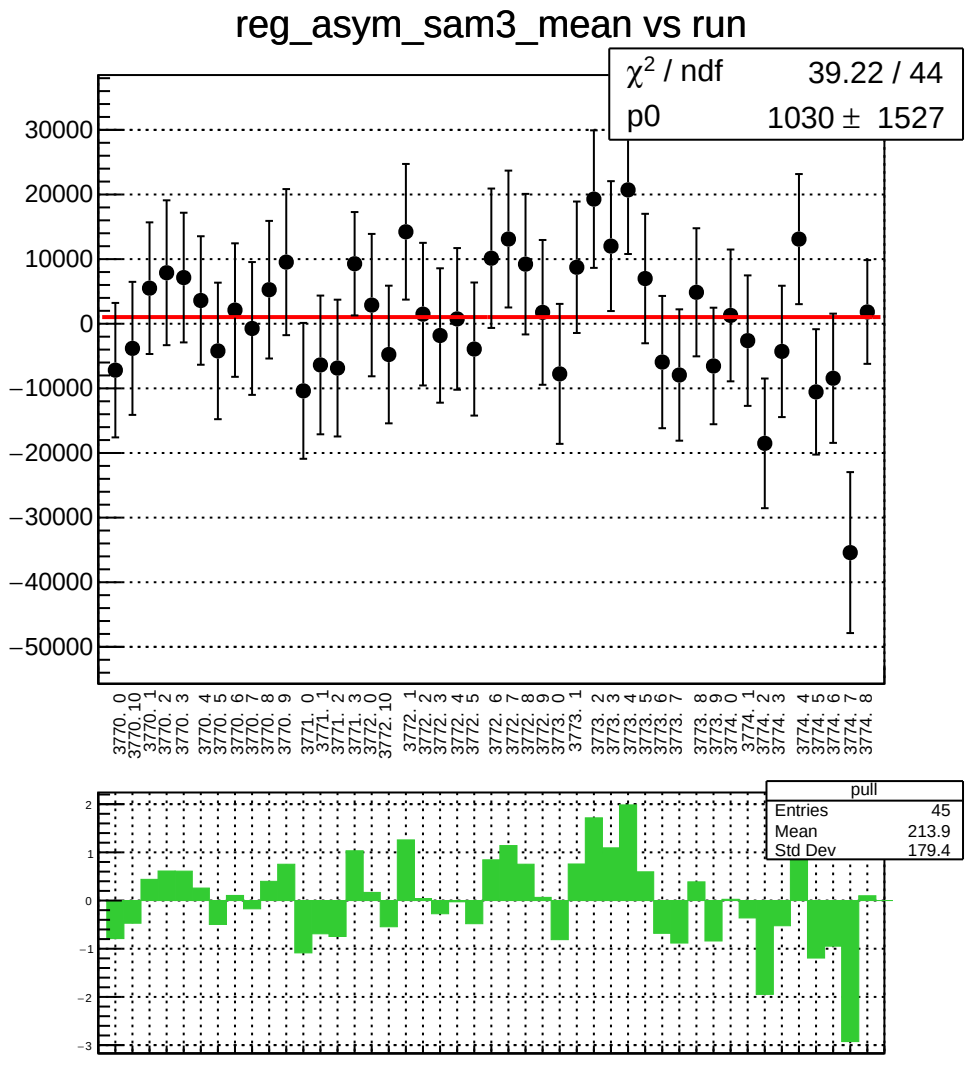

reg_asym_sam2_mean vs run
χ² / ndf 37.33 / 44
p0 −3313 ± 3579
80000
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −909.6
Std Dev 931.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean 0.002436
Std Dev 0.9108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

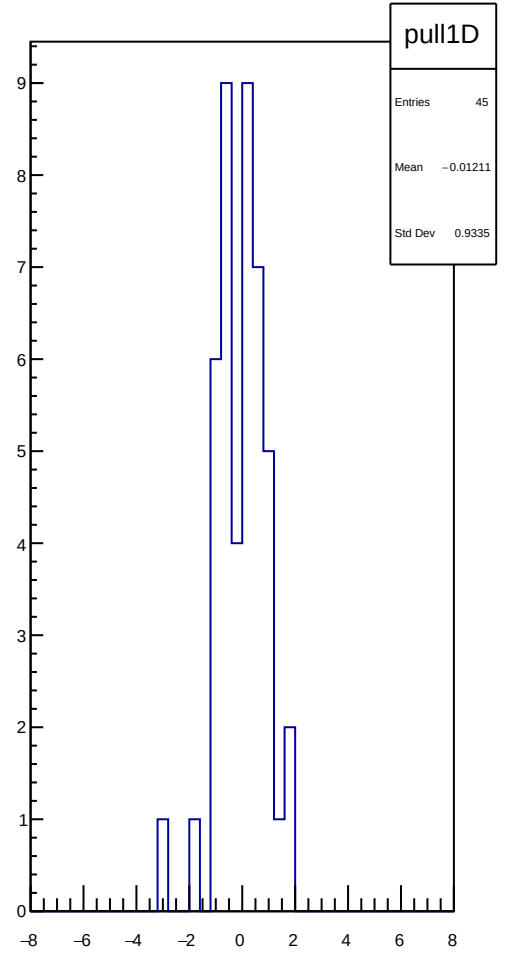

reg_asym_sam2_rms vs run
χ² / ndf 95.48 / 44
p0 2318 ± 2.53
2400
2380
2360
2340
2320
2300
2280
2260
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

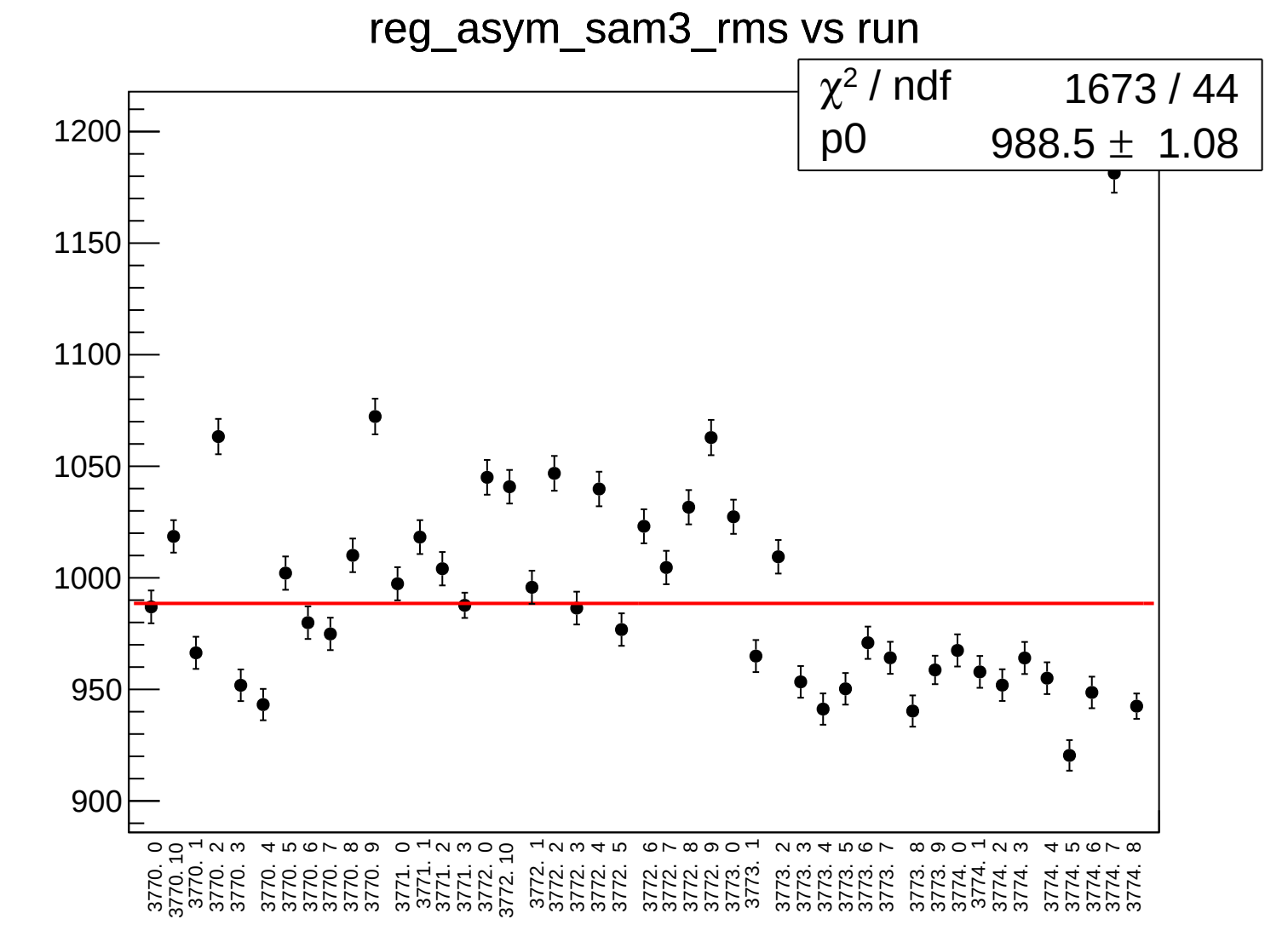

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 50.75 / 44
p0 824.1± 1.651e+04
pull
Entries 45
Mean 1.411
Std Dev 28.83

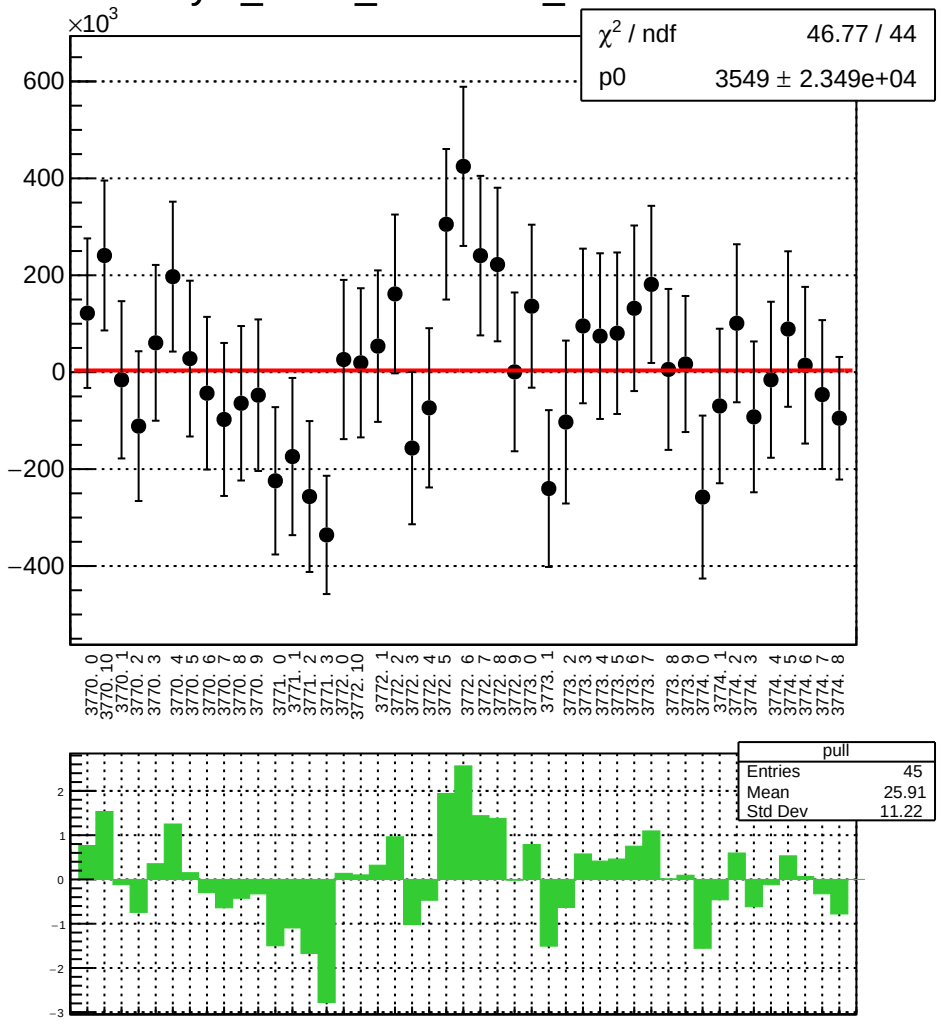

pull1D
Entries 45
Mean 0.02583
Std Dev 1.062

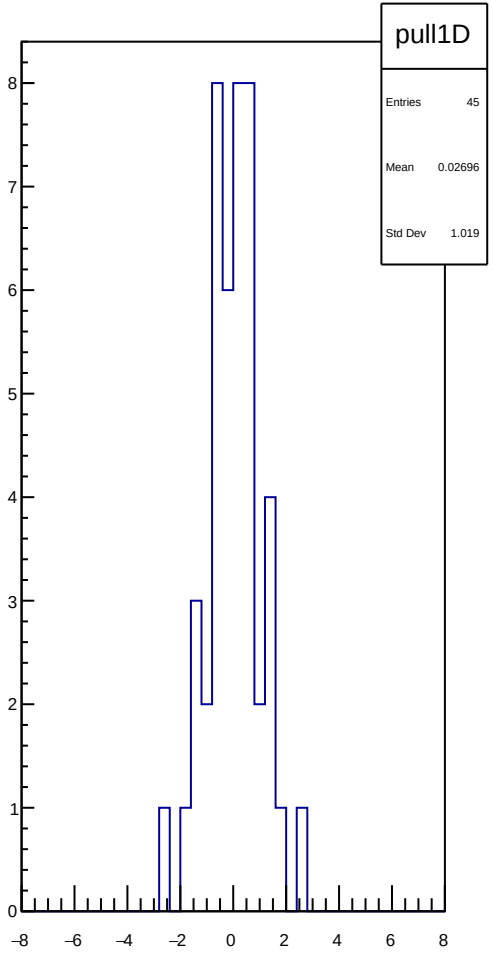

asym_sam2_correction_rms vs run
χ² / ndf 800.7 / 44
p0 1.069e+04 ± 11.68
11600
11400
11200
11000
10800
10600
10400
10200
10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

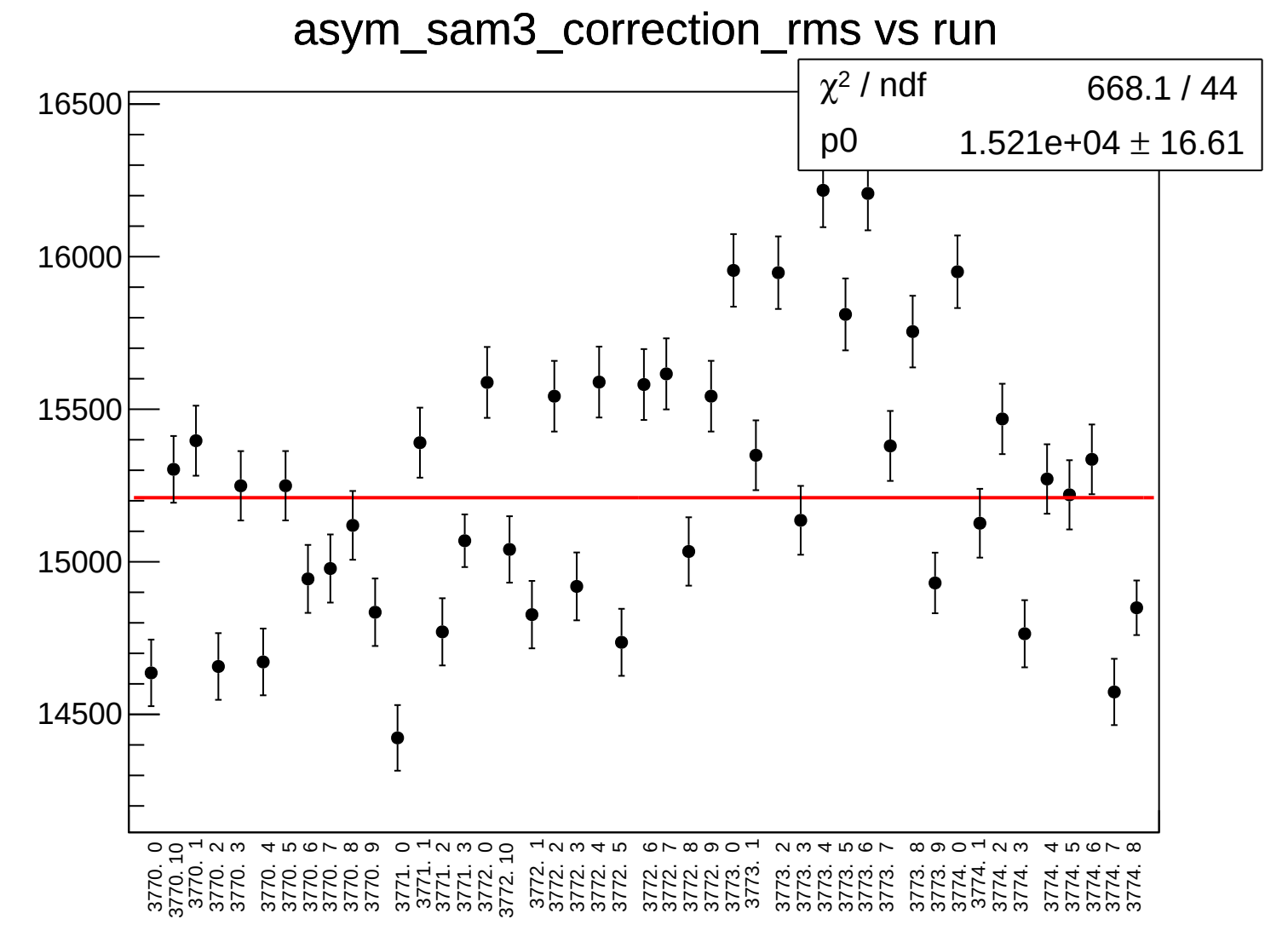

reg_asym_sam3_mean vs run
χ² / ndf 39.22 / 44
p0 1030 ± 1527
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 213.9
Std Dev 179.4
2
1
0
−1
−2
−3

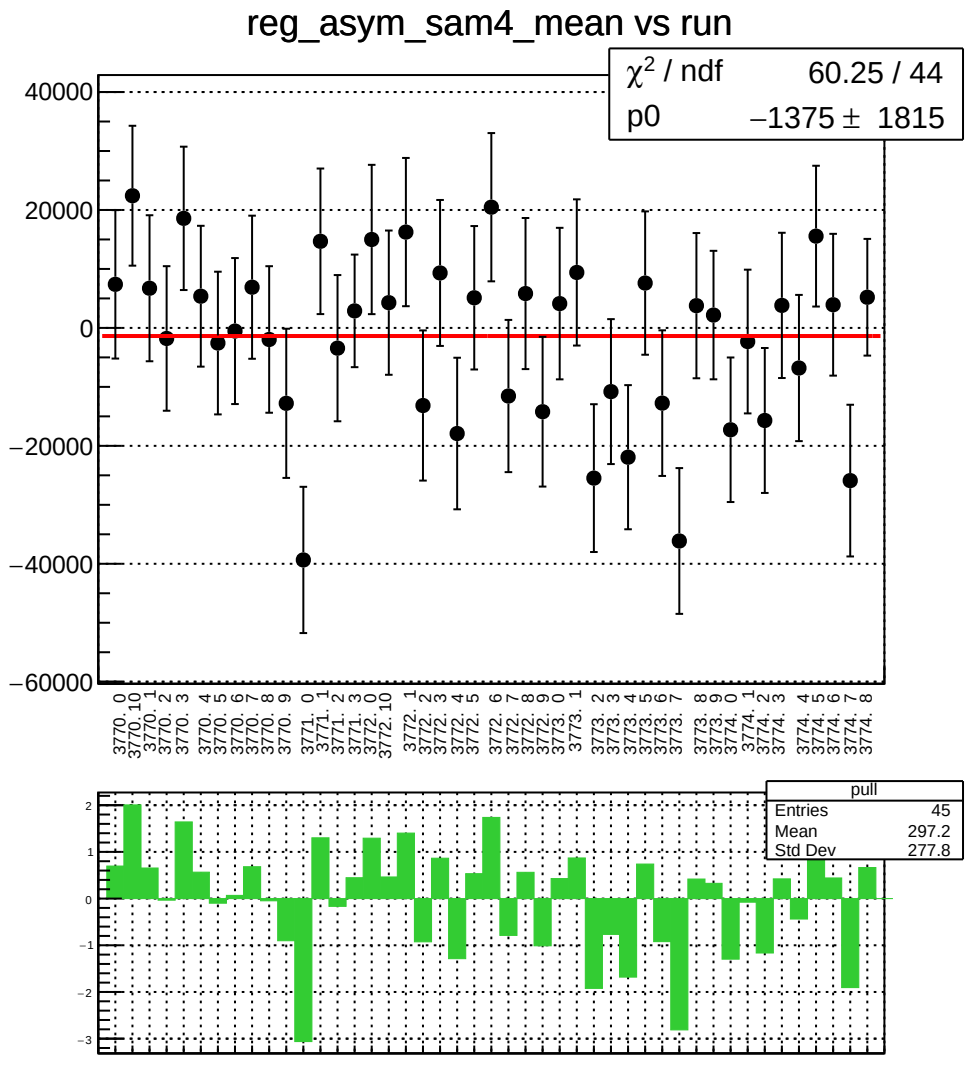

pull1D
Entries 45
Mean −0.01211
Std Dev 0.9335
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

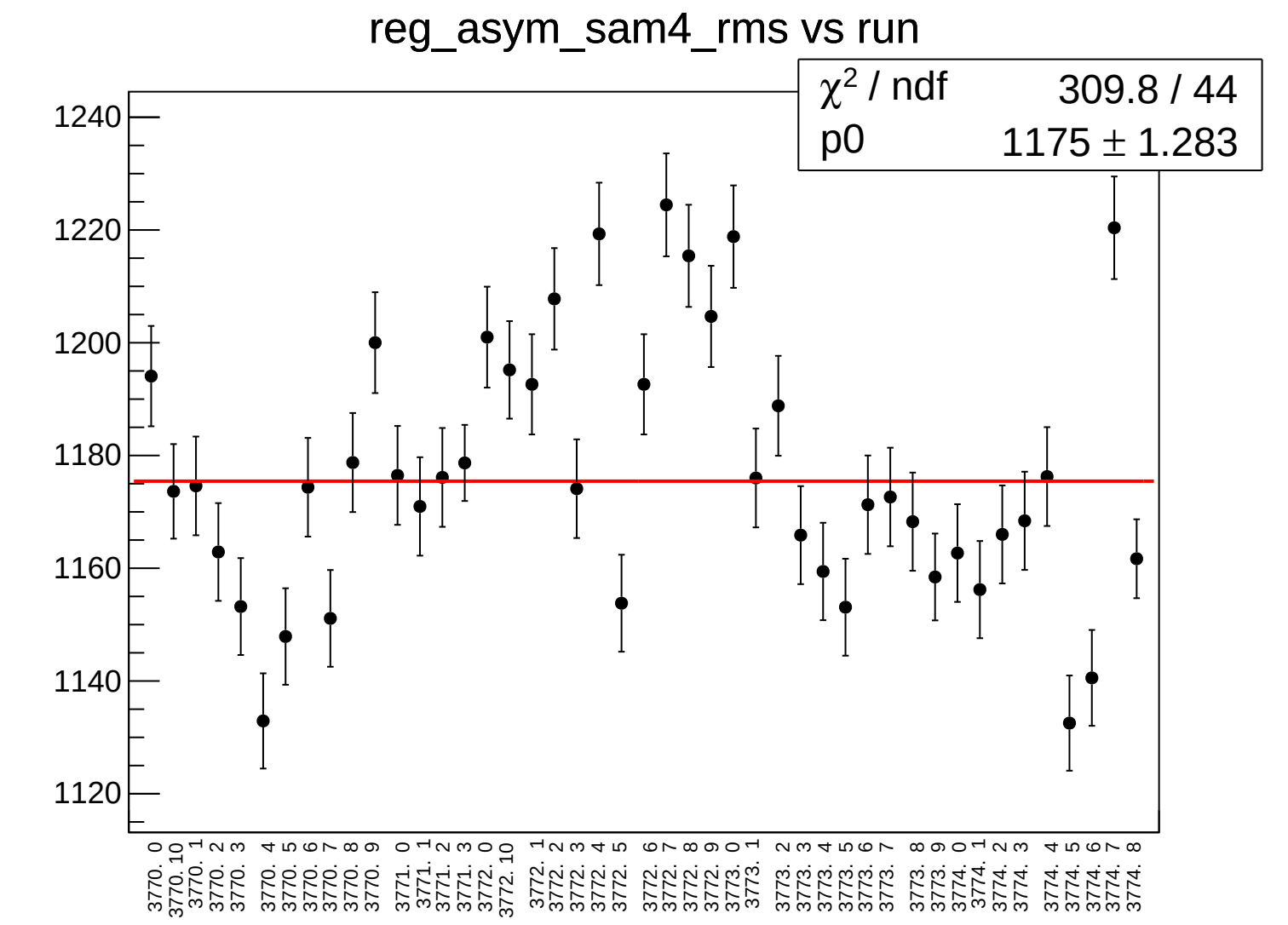

reg_asym_sam3_rms vs run
χ² / ndf 1673 / 44
p0 988.5 ± 1.08
1200
1150
1100
1050
1000
950
900
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

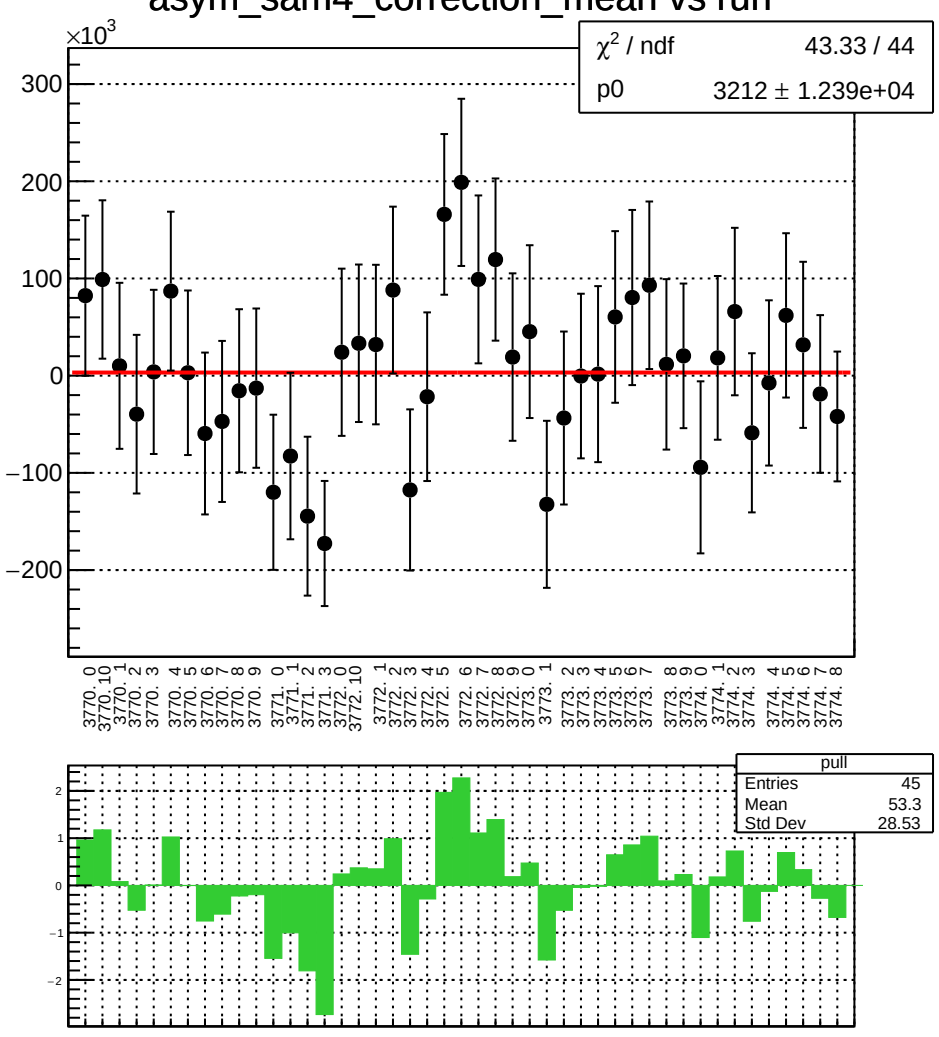

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 46.77 / 44
p0 3549 ± 2.349e+04
600
400
200
0
−200
−400
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 25.91
Std Dev 11.22
2
1
0
−1
−2
−3

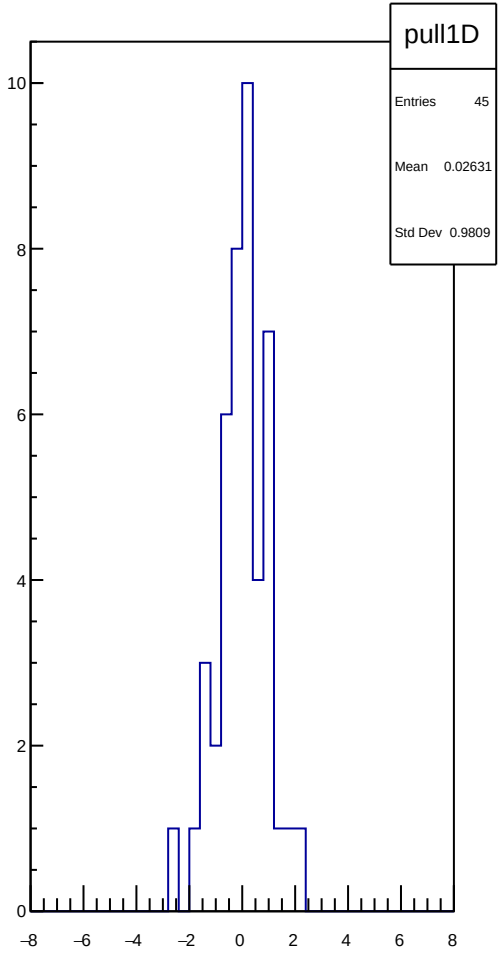

pull1D
Entries 45
Mean 0.02696
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

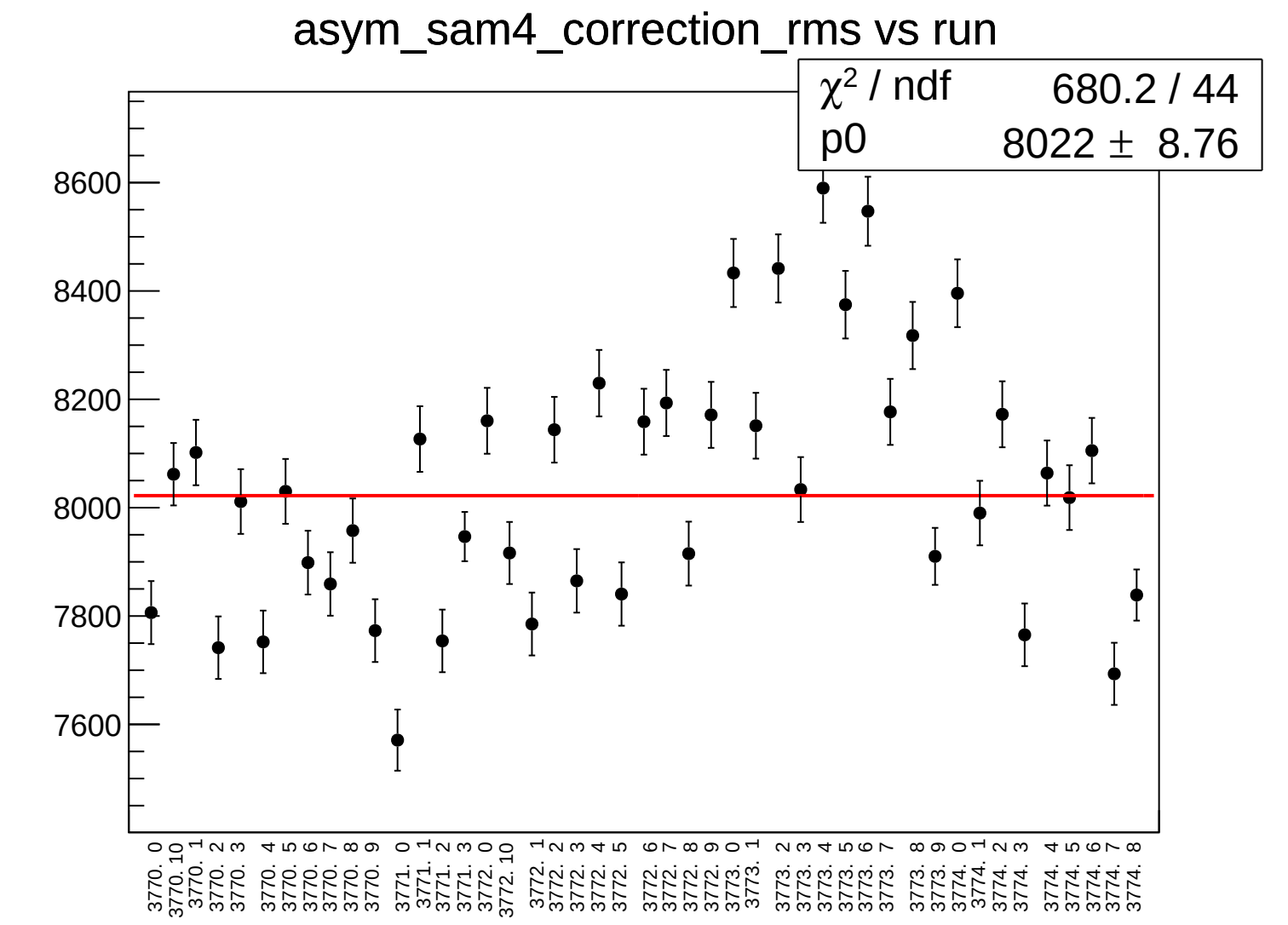

asym_sam3_correction_rms vs run
χ² / ndf 668.1 / 44
p0 1.521e+04 ± 16.61
16500
16000
15500
15000
14500
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

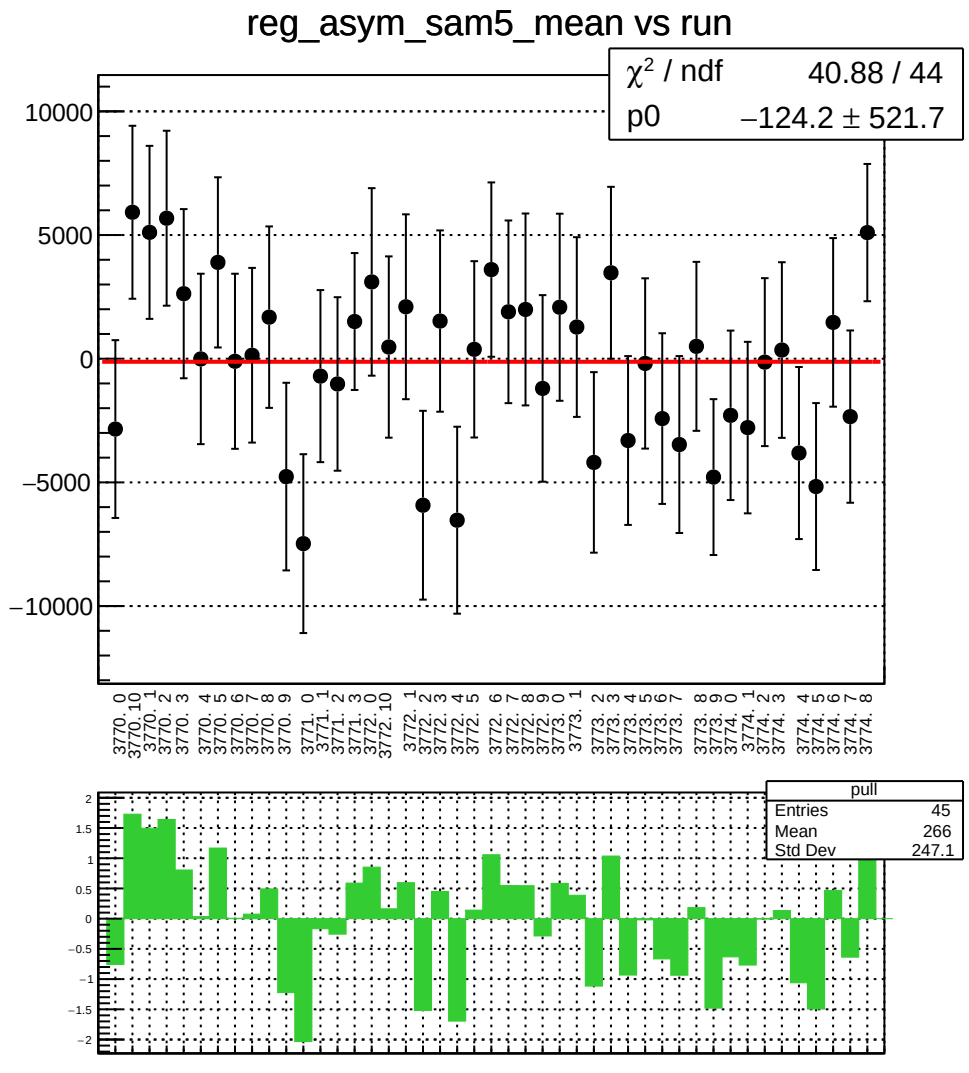

reg_asym_sam4_mean vs run
χ² / ndf 60.25 / 44
p0 −1375 ± 1815
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 297.2
Std Dev 277.8
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean −0.01482
Std Dev 1.157
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

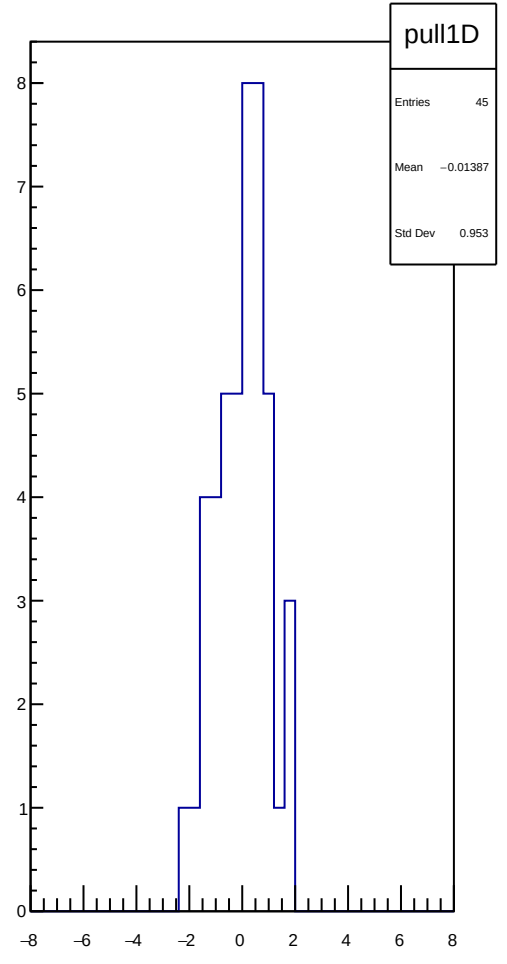

reg_asym_sam4_rms vs run
χ² / ndf 309.8 / 44
p0 1175 ± 1.283
1240
1220
1200
1180
1160
1140
1120
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

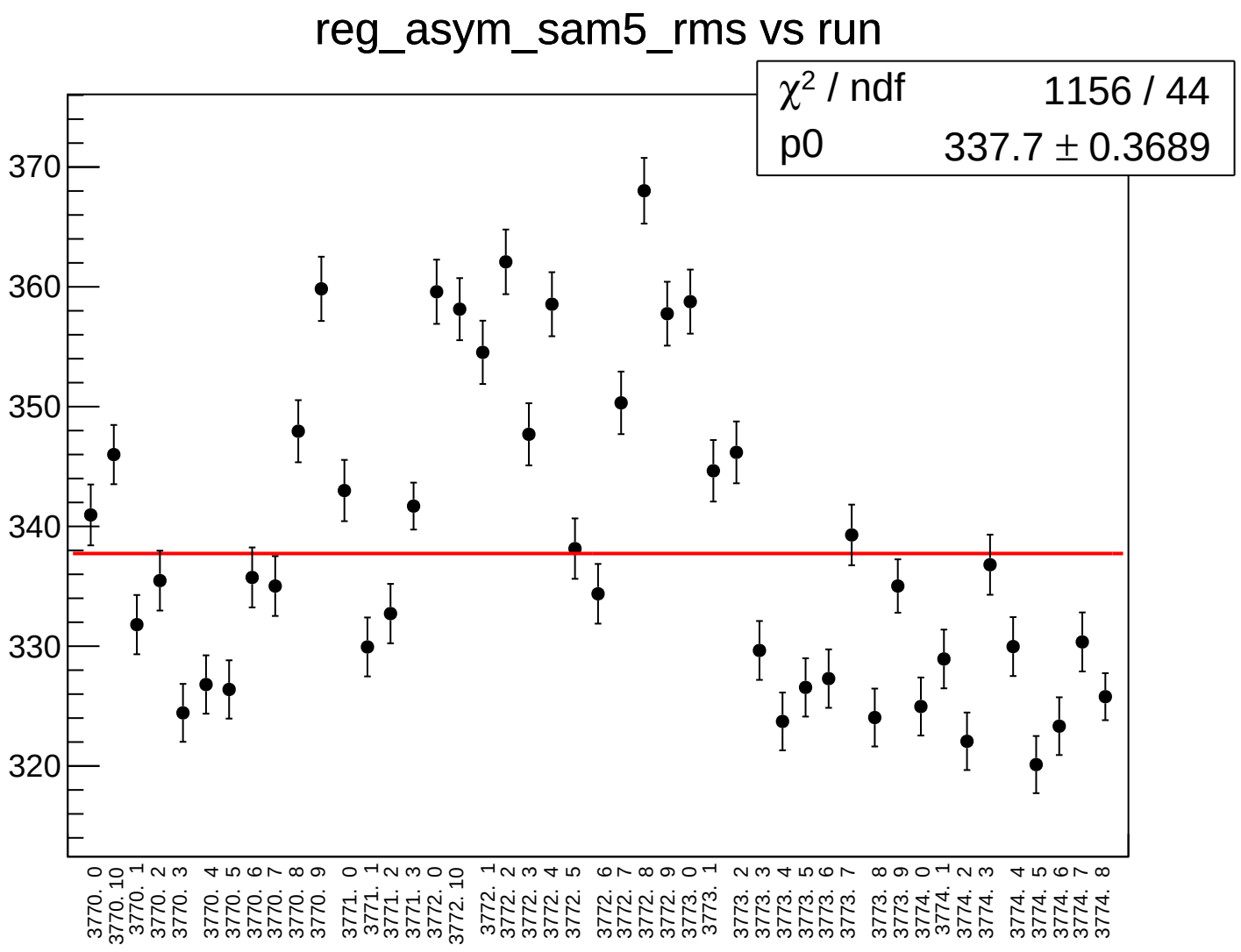

asym_sam4_correction_mean vs run
χ² / ndf 43.33 / 44
p0 3212 ± 1.239e+04
×10³
pull
Entries 45
Mean 53.3
Std Dev 28.53

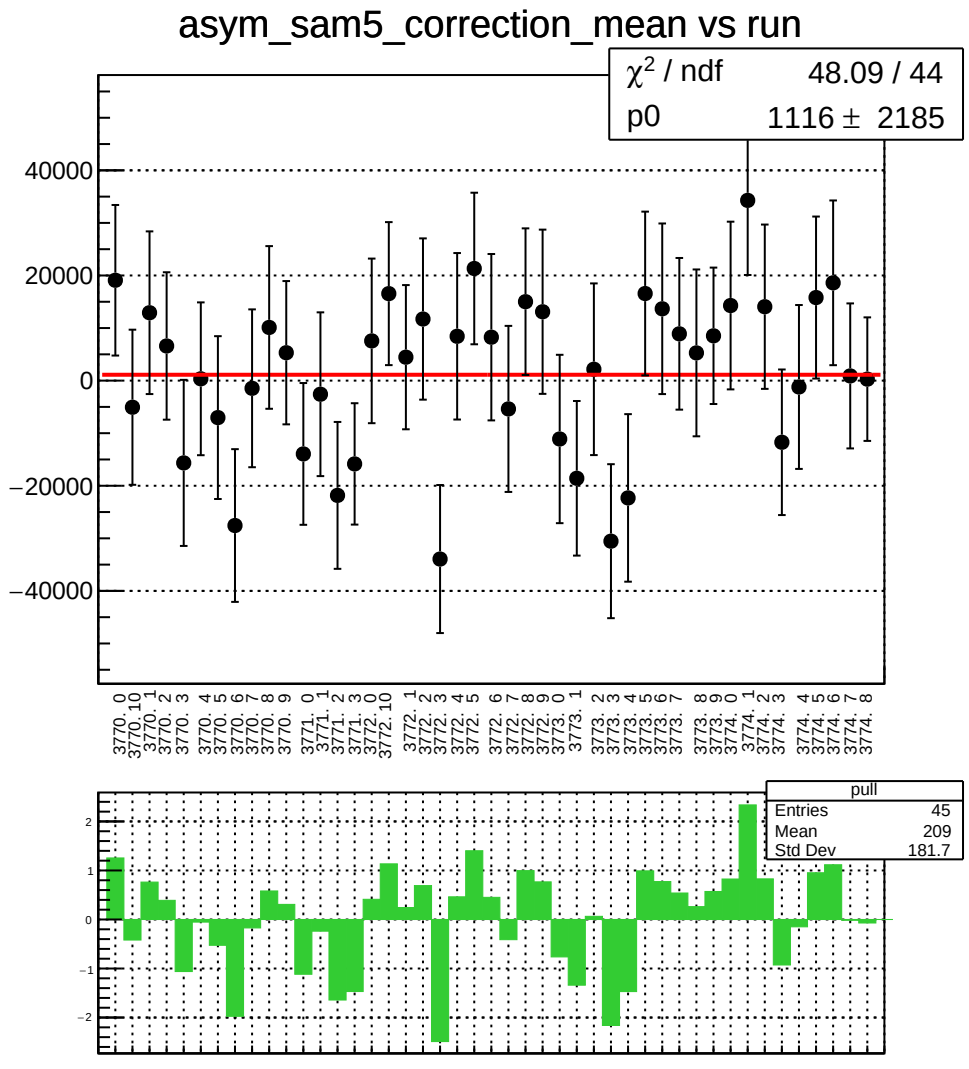

pull1D
Entries 45
Mean 0.02631
Std Dev 0.9809

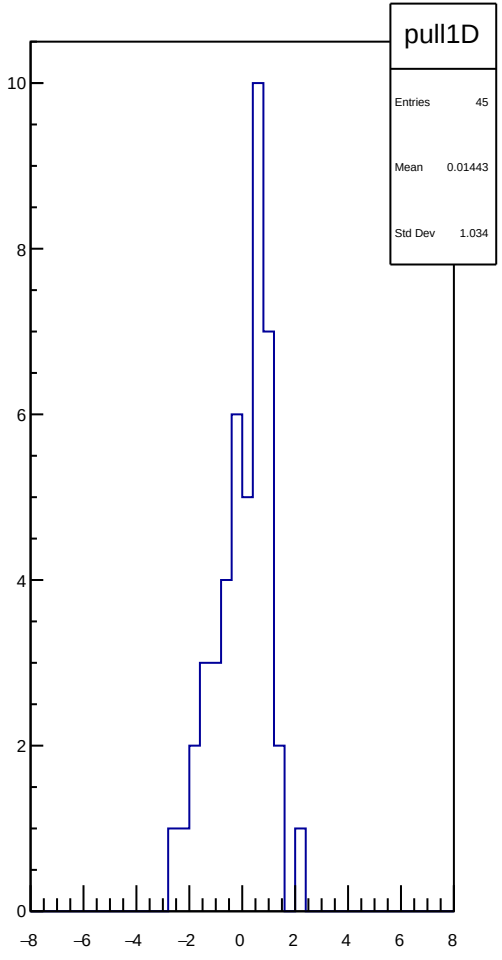

asym_sam4_correction_rms vs run
χ² / ndf 680.2 / 44
p0 8022 ± 8.76
8600
8400
8200
8000
7800
7600
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

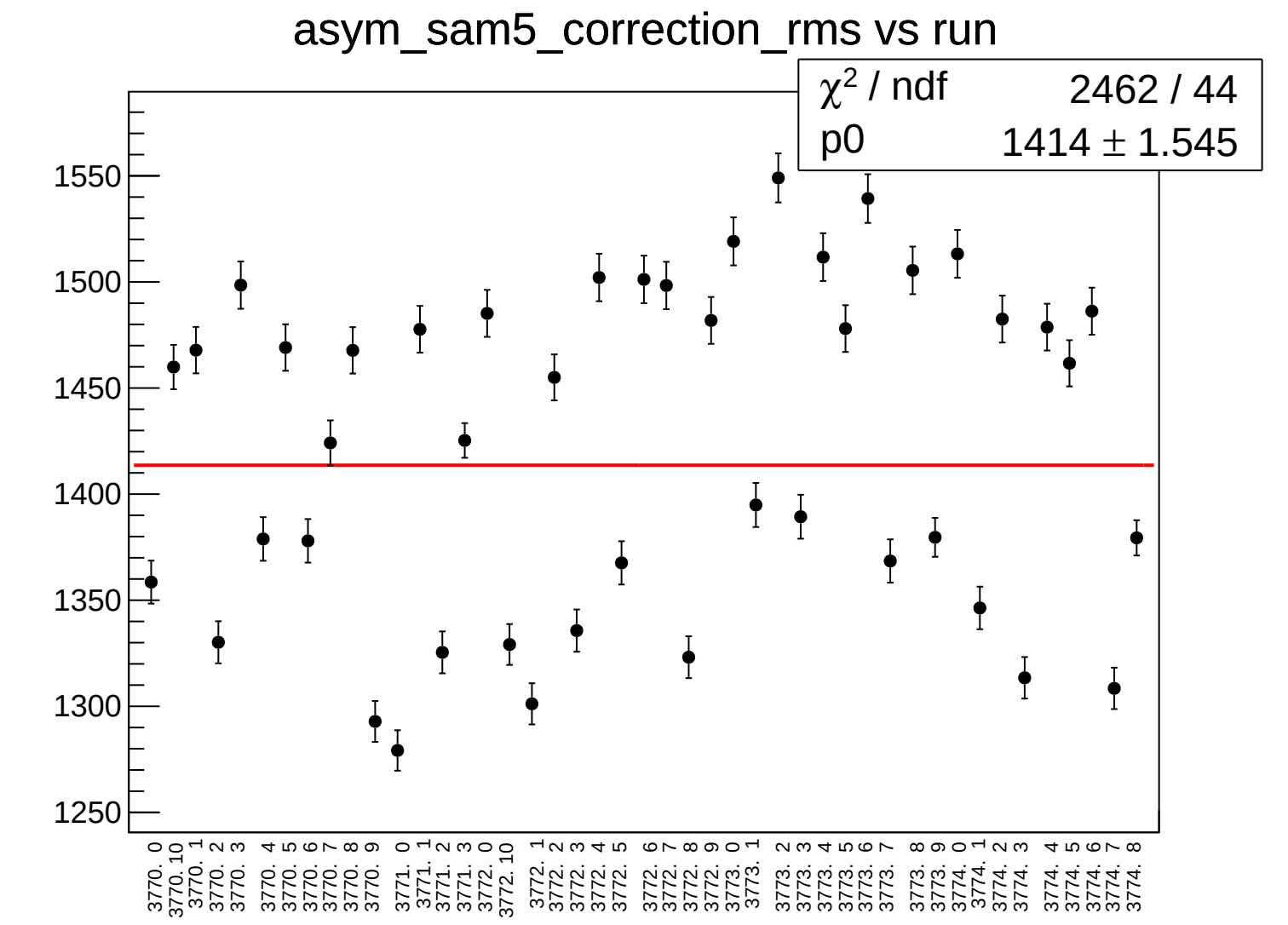

reg_asym_sam5_mean vs run
χ² / ndf 40.88 / 44
p0 −124.2 ± 521.7
10000
5000
0
−5000
−10000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 266
Std Dev 247.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

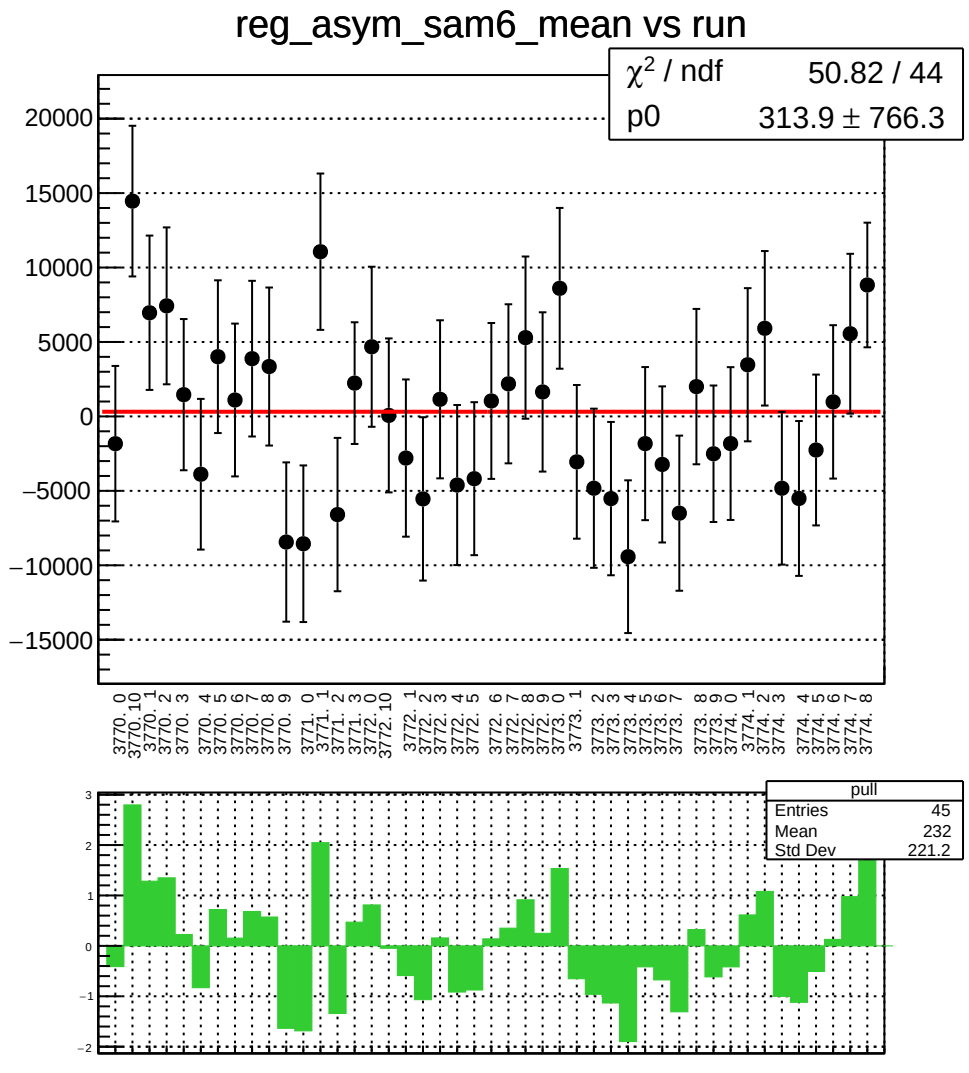

pull1D
Entries 45
Mean −0.01387
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

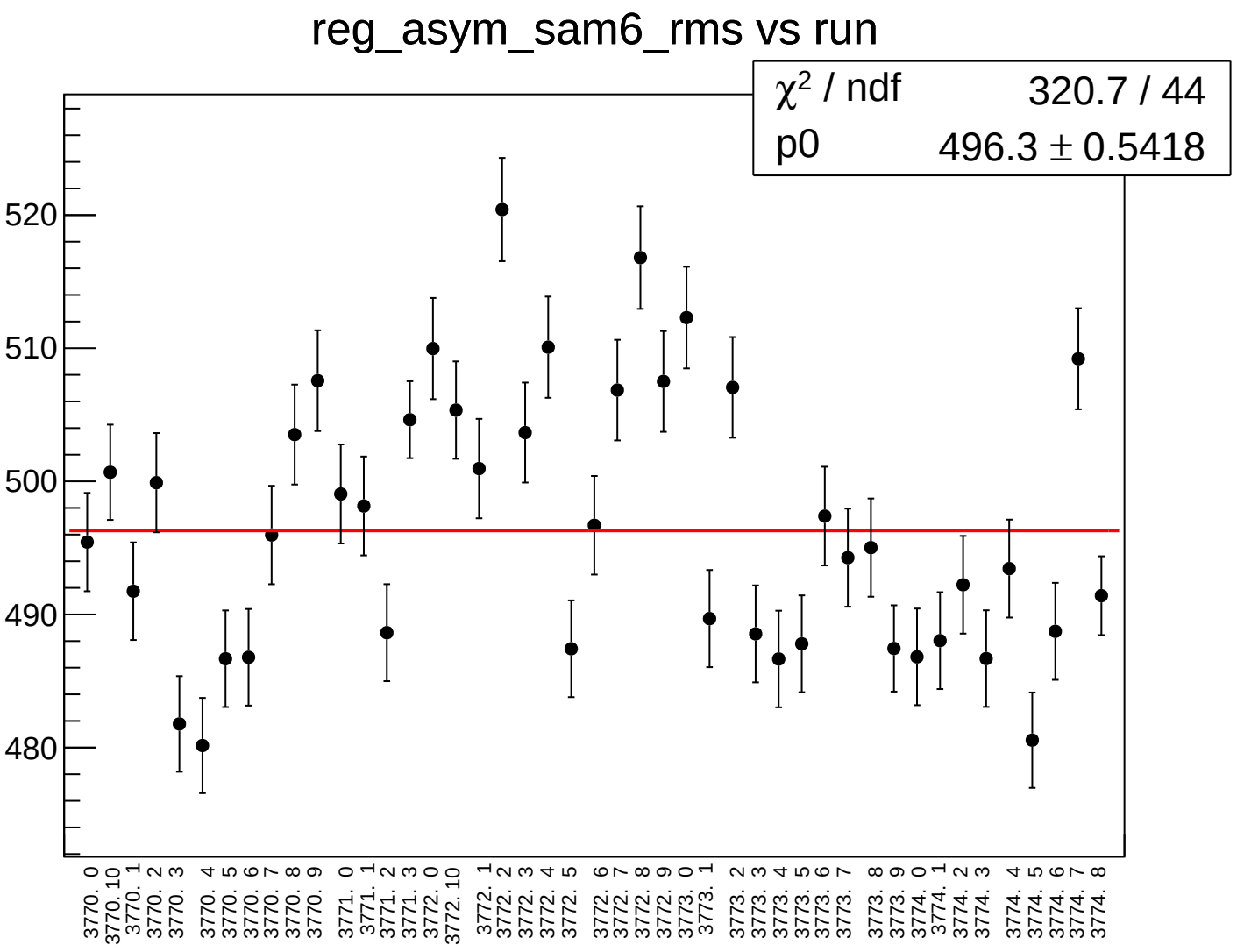

reg_asym_sam5_rms vs run
χ^2 / ndf 1156 / 44
p0 337.7 ± 0.3689
370
360
350
340
330
320
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

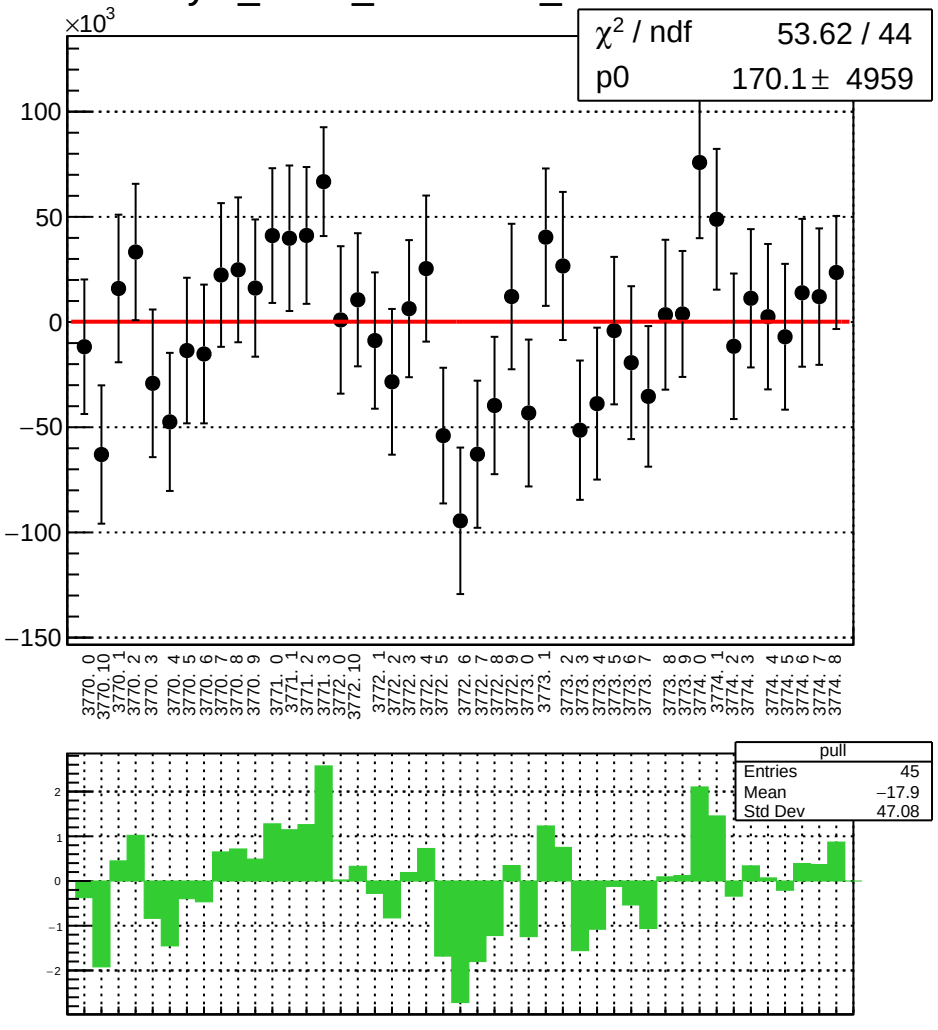

asym_sam5_correction_mean vs run
χ² / ndf 48.09 / 44
p0 1116 ± 2185
40000
20000
0
−20000
−40000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 209
Std Dev 181.7
2
1
0
−1
−2

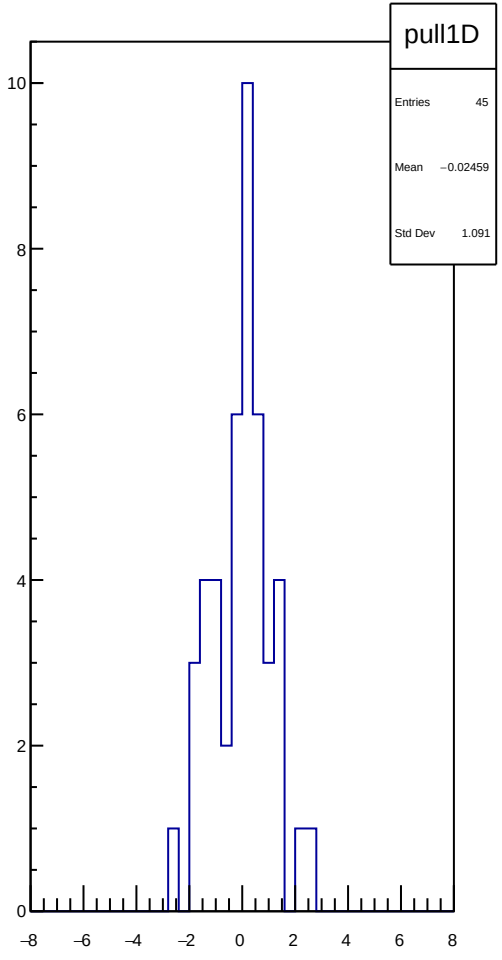

pull1D
Entries 45
Mean 0.01443
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

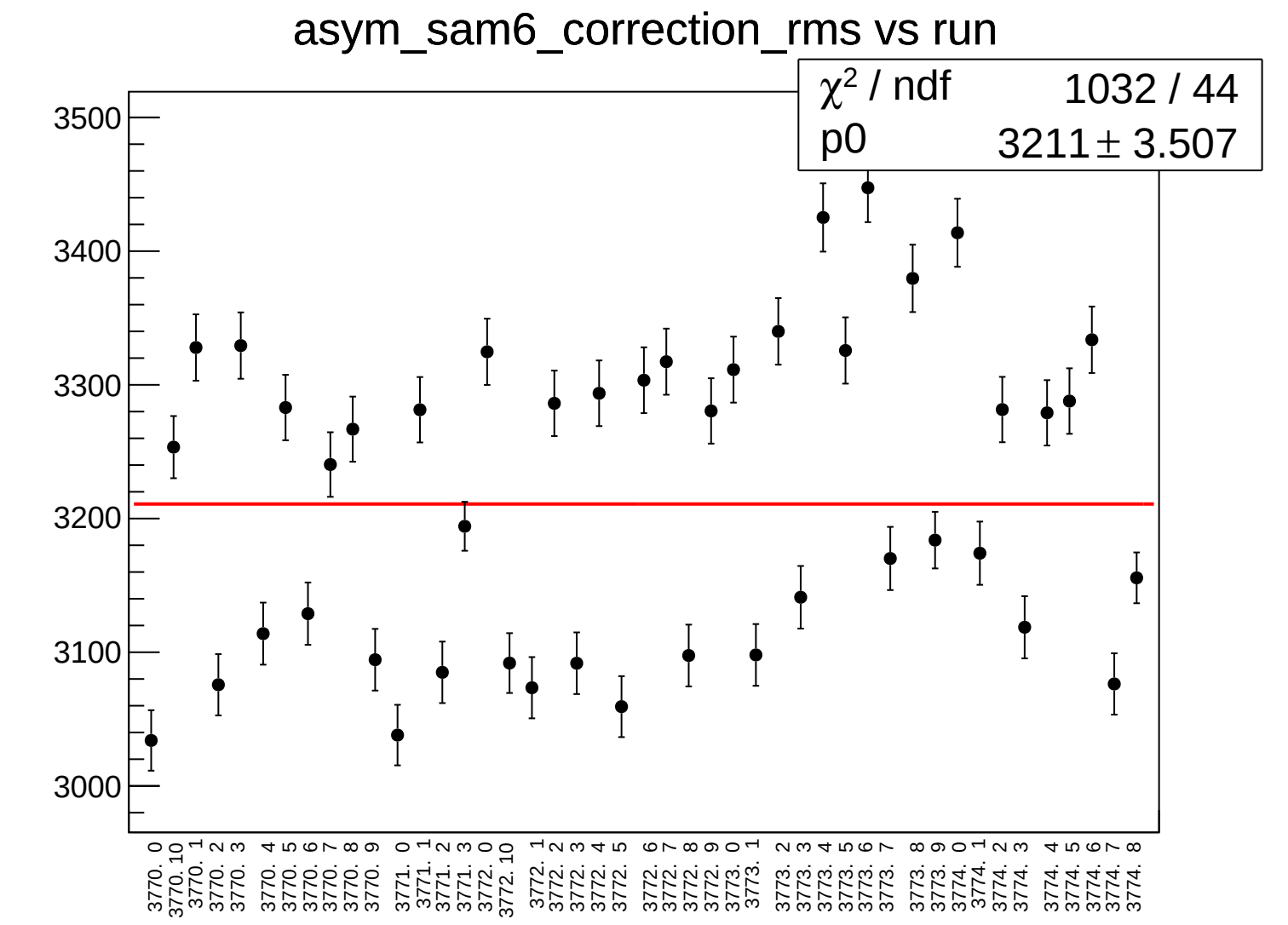

asym_sam5_correction_rms vs run
χ² / ndf 2462 / 44
p0 1414 ± 1.545
1550
1500
1450
1400
1350
1300
1250
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

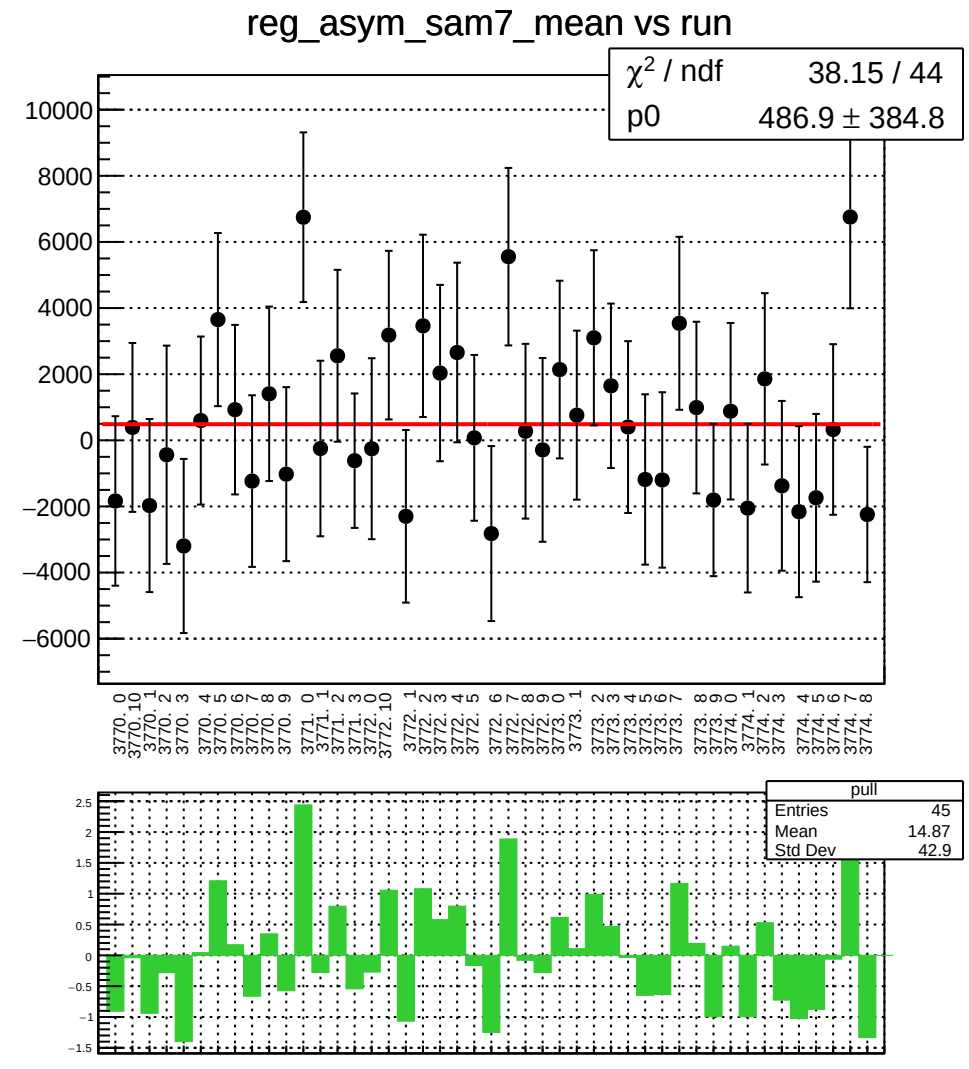

reg_asym_sam6_mean vs run
χ^2 / ndf 50.82 / 44
p0 313.9 ± 766.3
20000
15000
10000
5000
0
−5000
−10000
−15000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 232
Std Dev 221.2
3
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.01084
Std Dev 1.063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

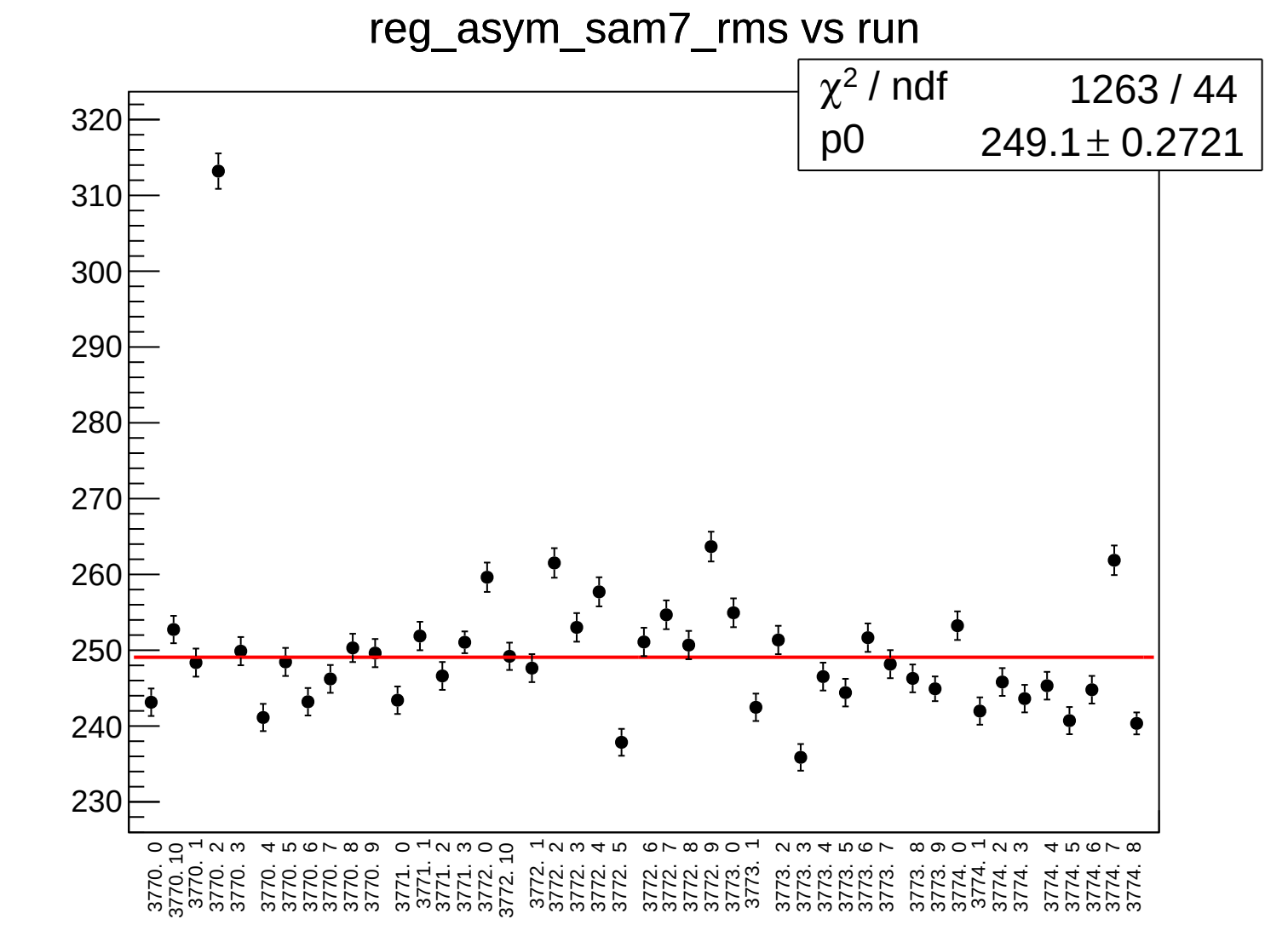

reg_asym_sam6_rms vs run
χ² / ndf 320.7 / 44
p0 496.3 ± 0.5418
520
510
500
490
480
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

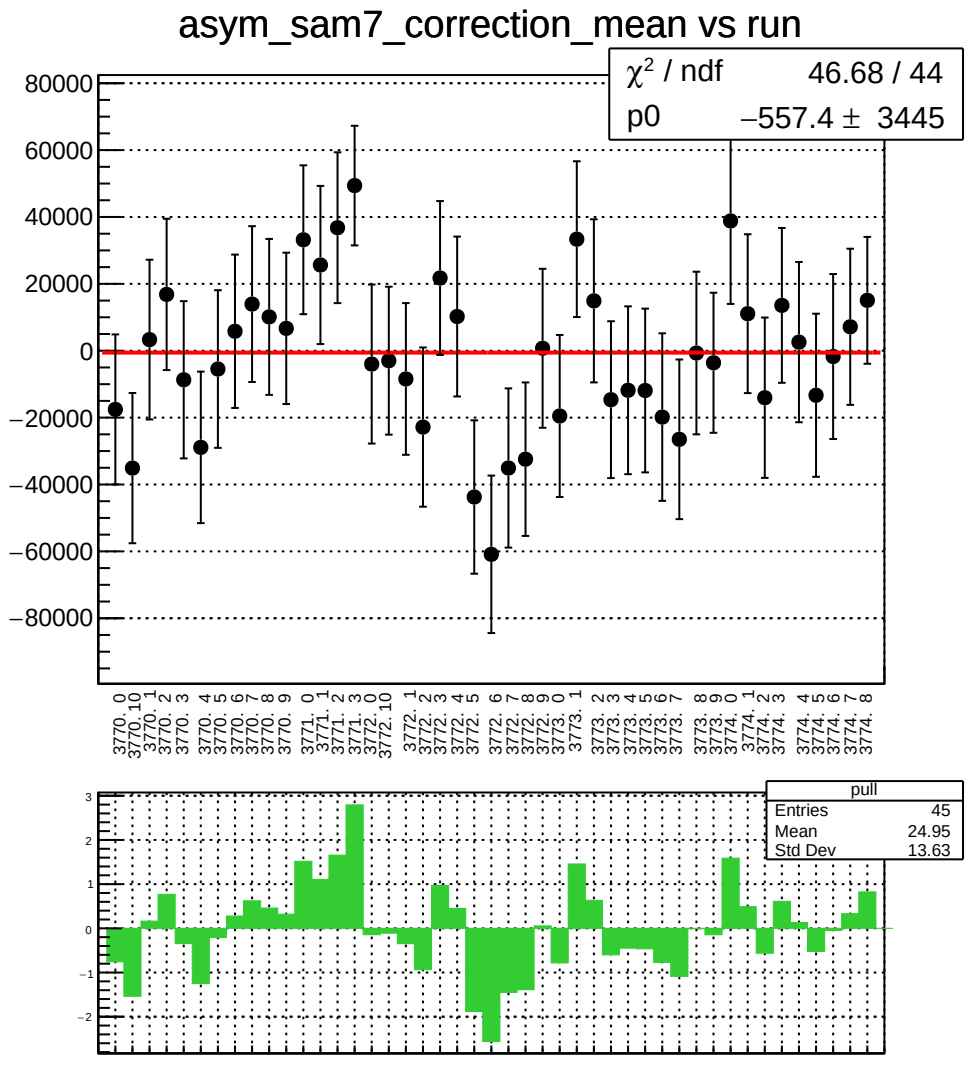

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 53.62 / 44
p0 170.1± 4959
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −17.9
Std Dev 47.08
2
1
0
−1
−2

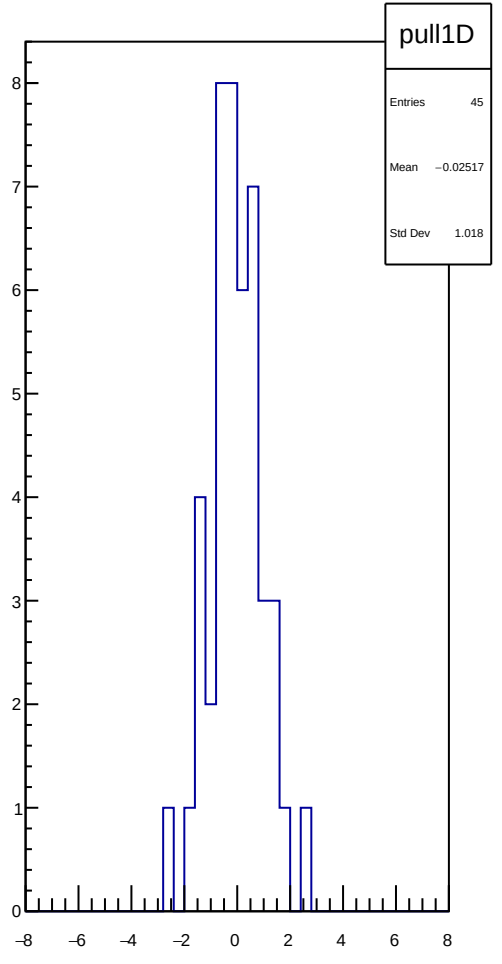

pull1D
Entries 45
Mean −0.02459
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

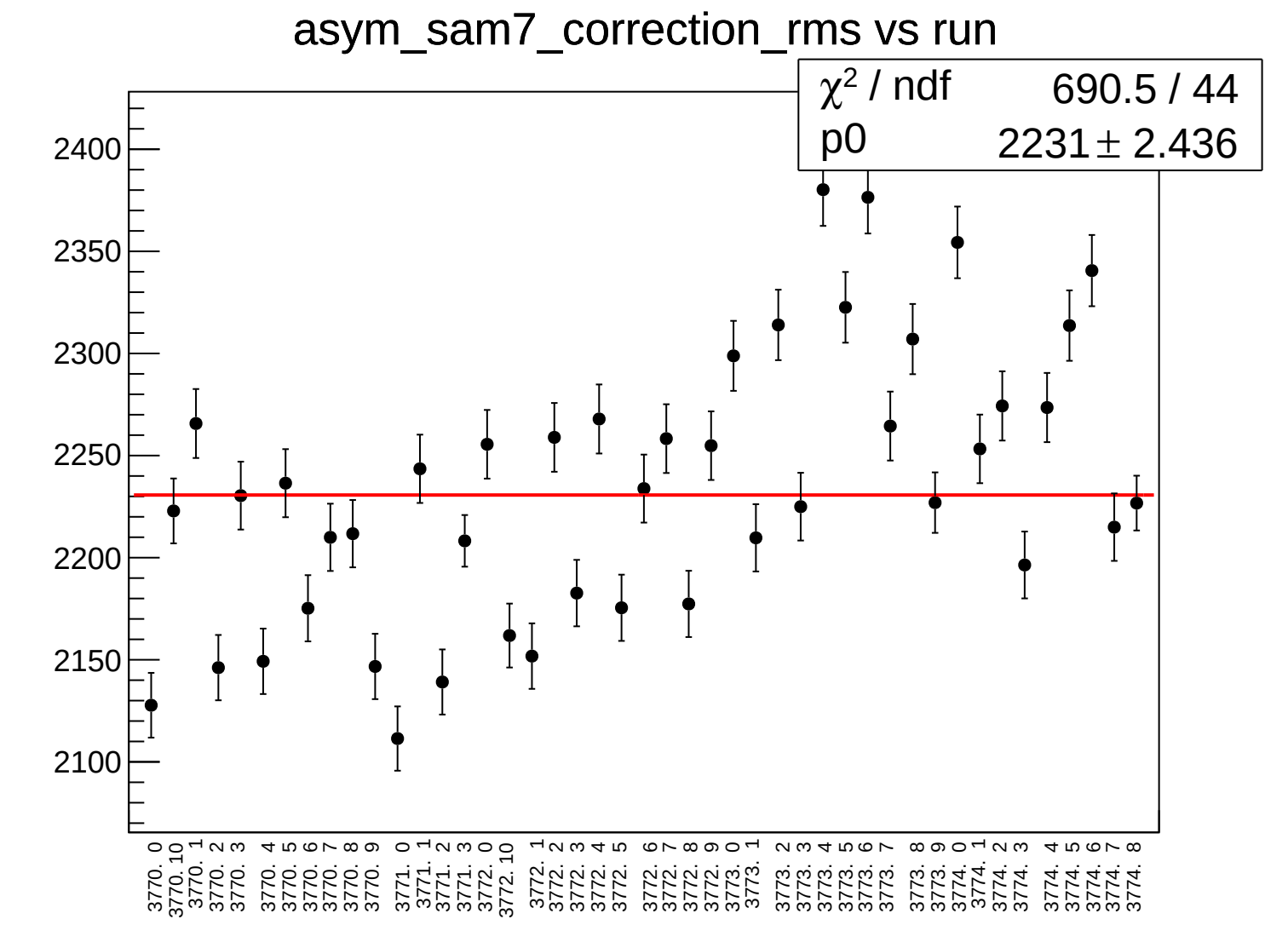

asym_sam6_correction_rms vs run
χ² / ndf 1032 / 44
p0 3211 ± 3.507
3500
3400
3300
3200
3100
3000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

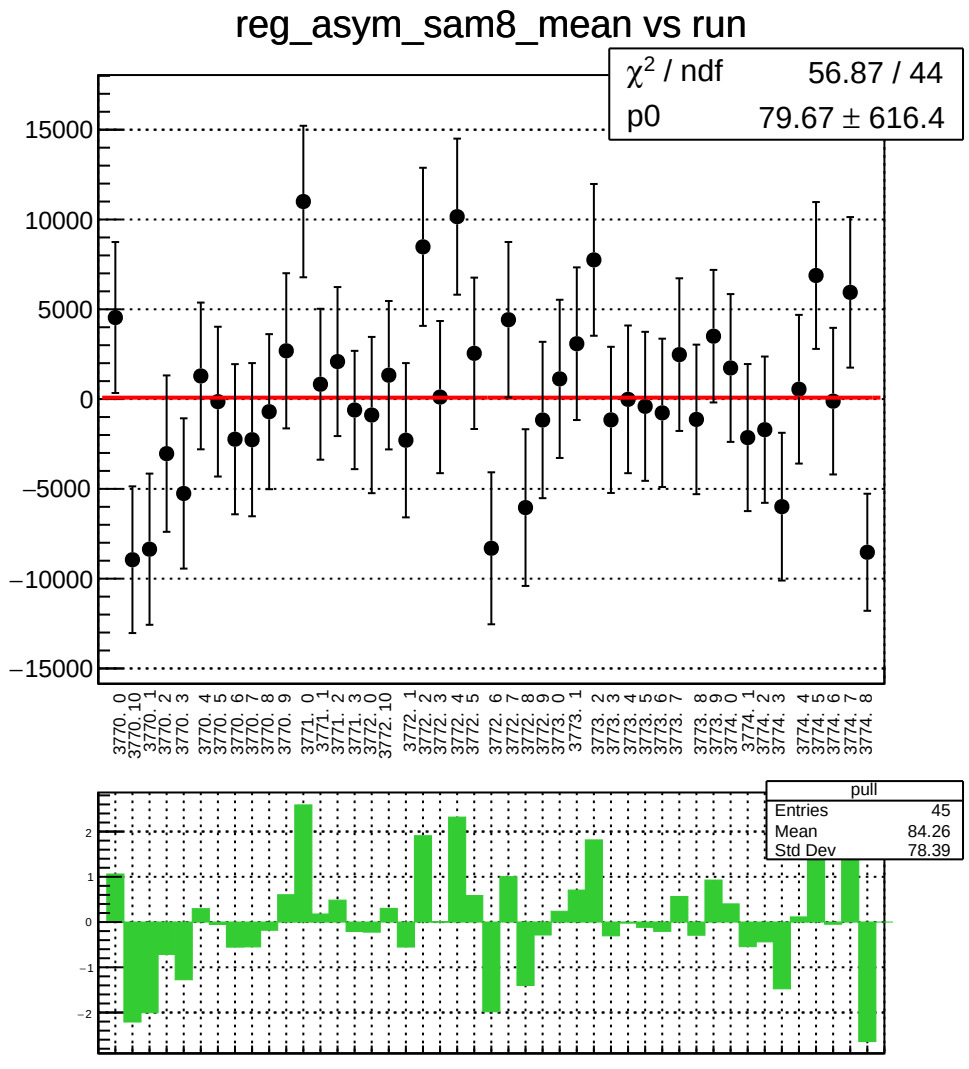

reg_asym_sam7_mean vs run
χ² / ndf 38.15 / 44
p0 486.9 ± 384.8
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 14.87
Std Dev 42.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean 0.01859
Std Dev 0.9206
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

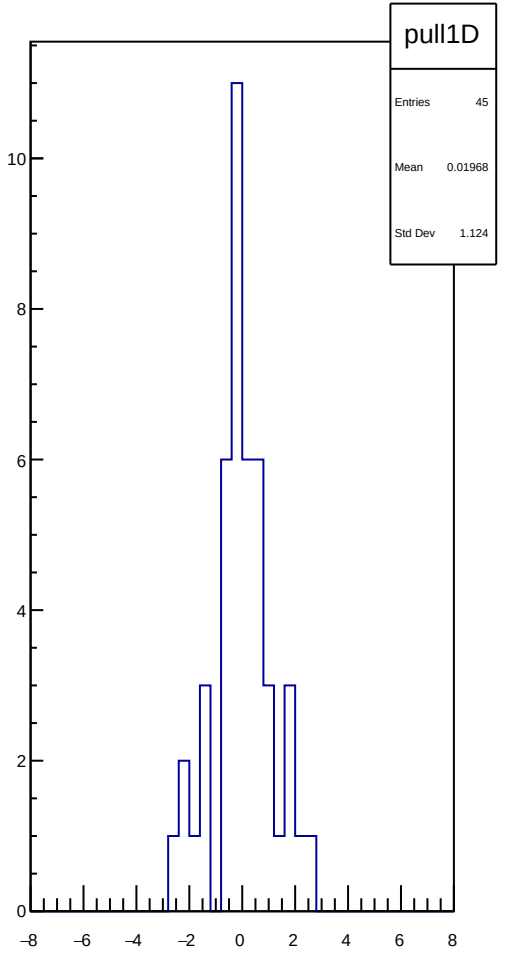

reg_asym_sam7_rms vs run
χ² / ndf 1263 / 44
p0 249.1 ± 0.2721
320
310
300
290
280
270
260
250
240
230
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

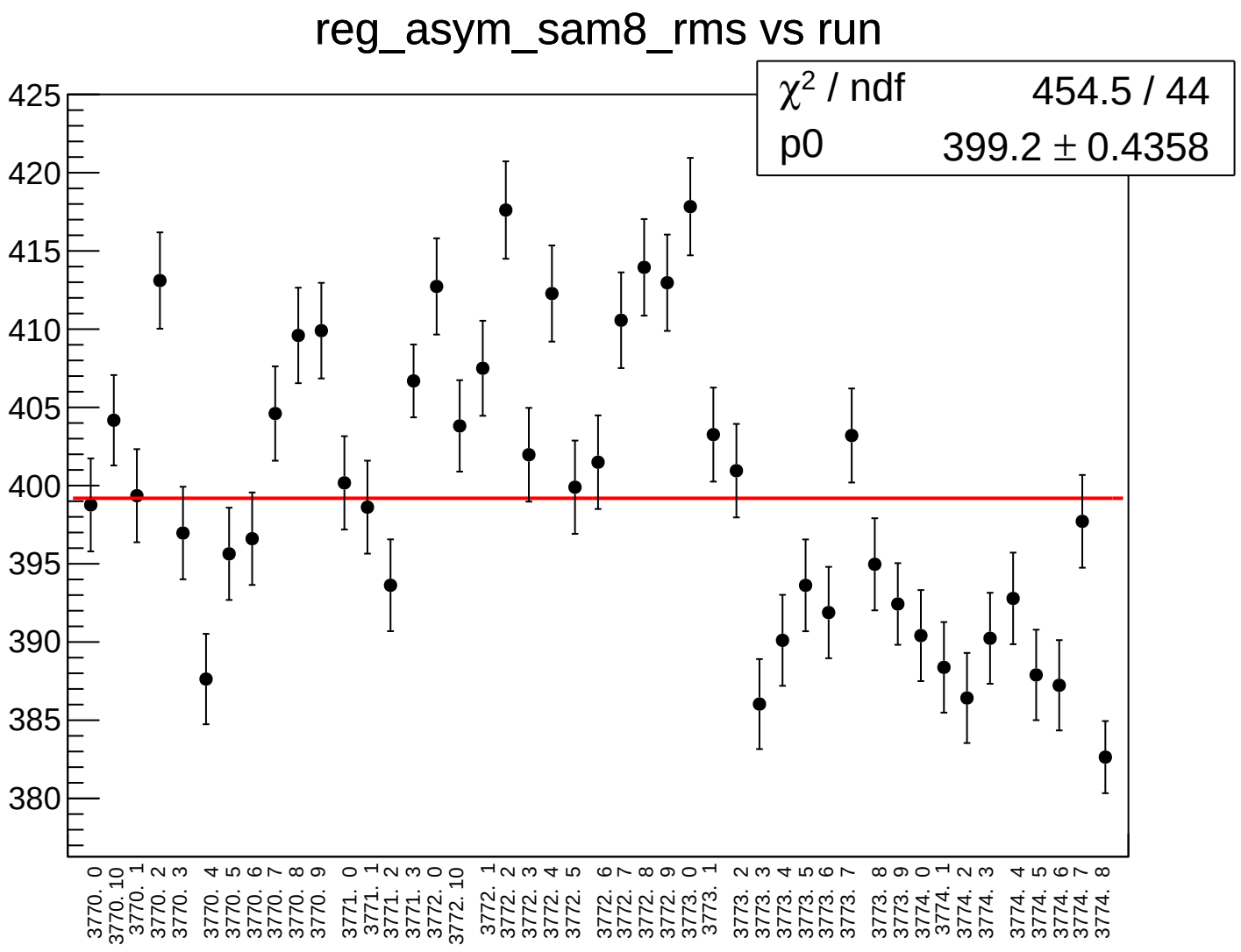

asym_sam7_correction_mean vs run
χ² / ndf 46.68 / 44
p0 −557.4 ± 3445
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 24.95
Std Dev 13.63
3
2
1
0
−1
−2

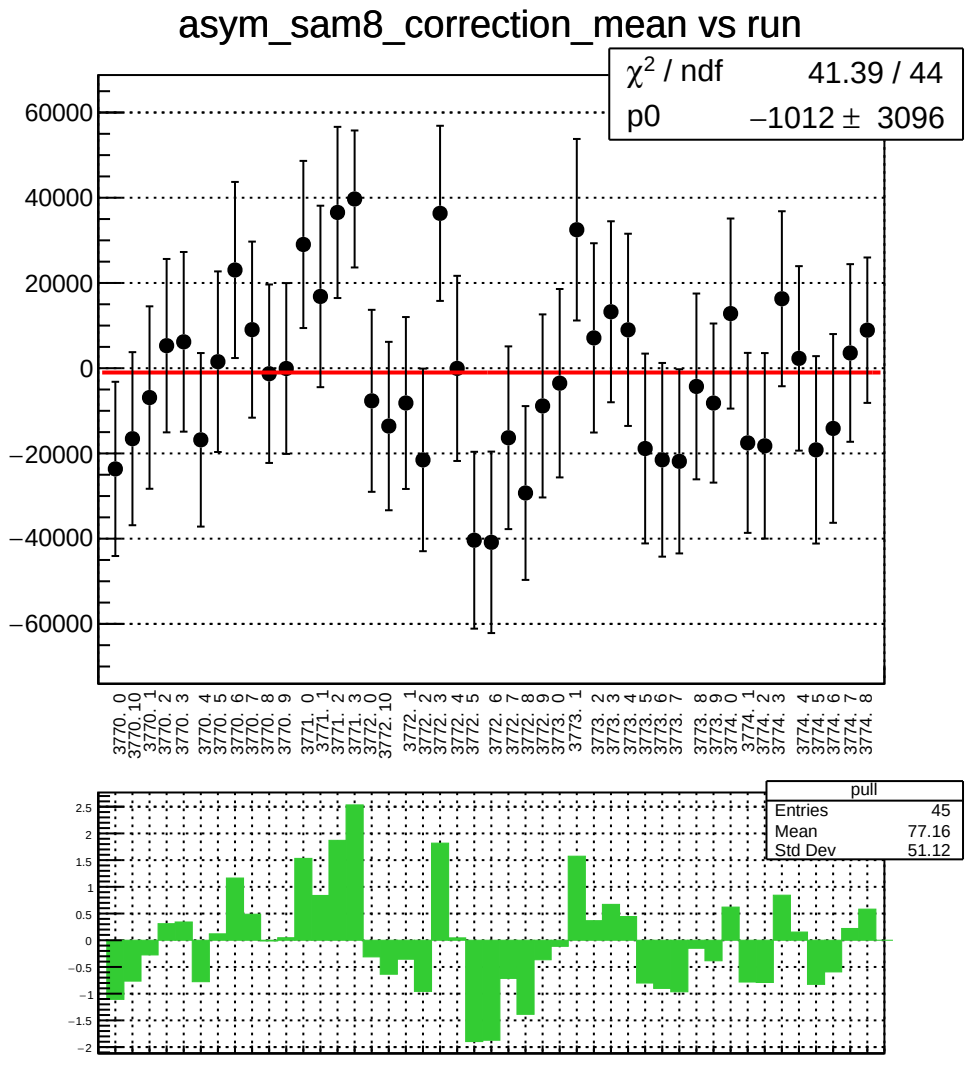

pull1D
Entries 45
Mean −0.02517
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

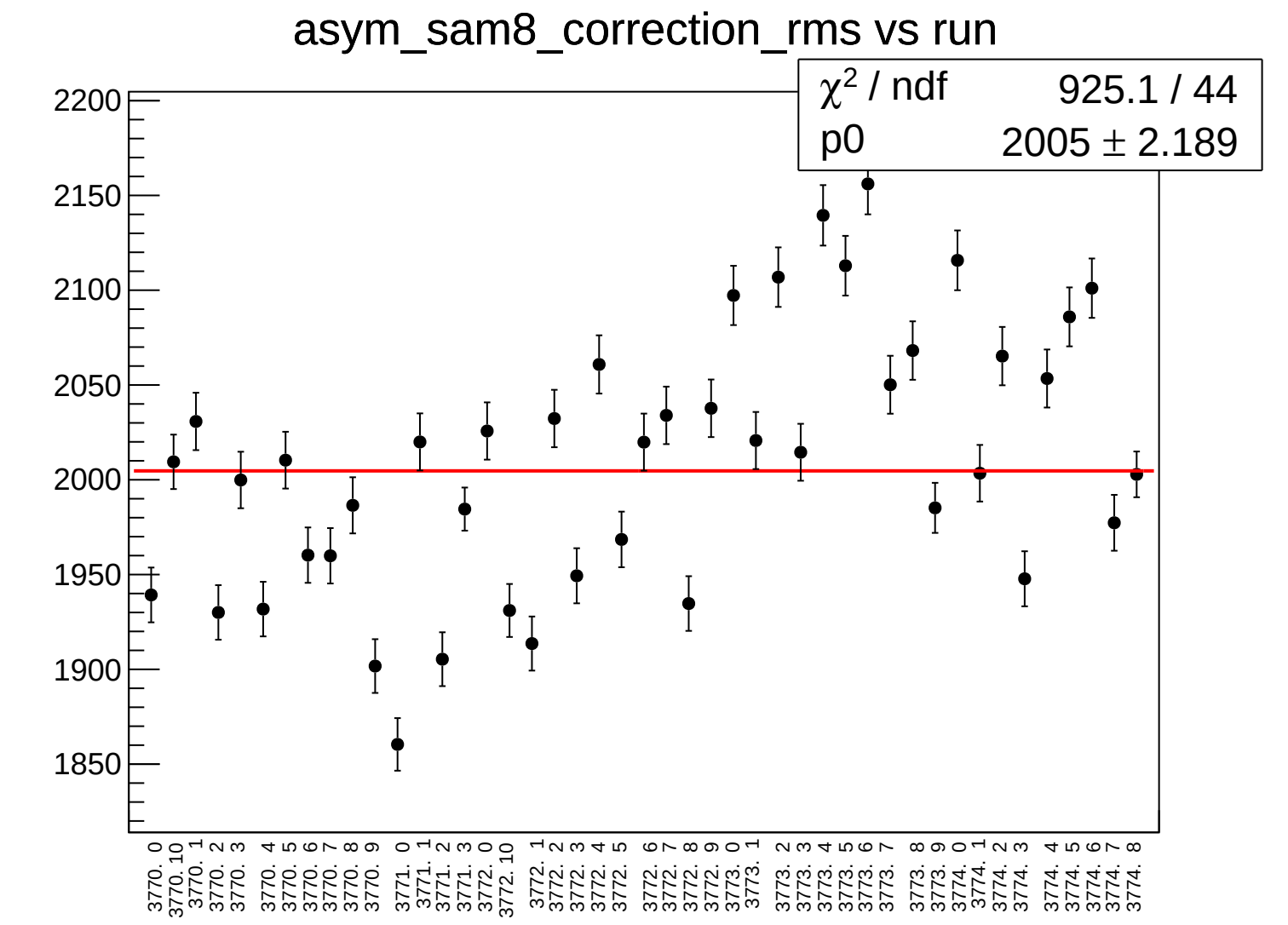

asym_sam7_correction_rms vs run
χ² / ndf 690.5 / 44
p0 2231 ± 2.436
2400
2350
2300
2250
2200
2150
2100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

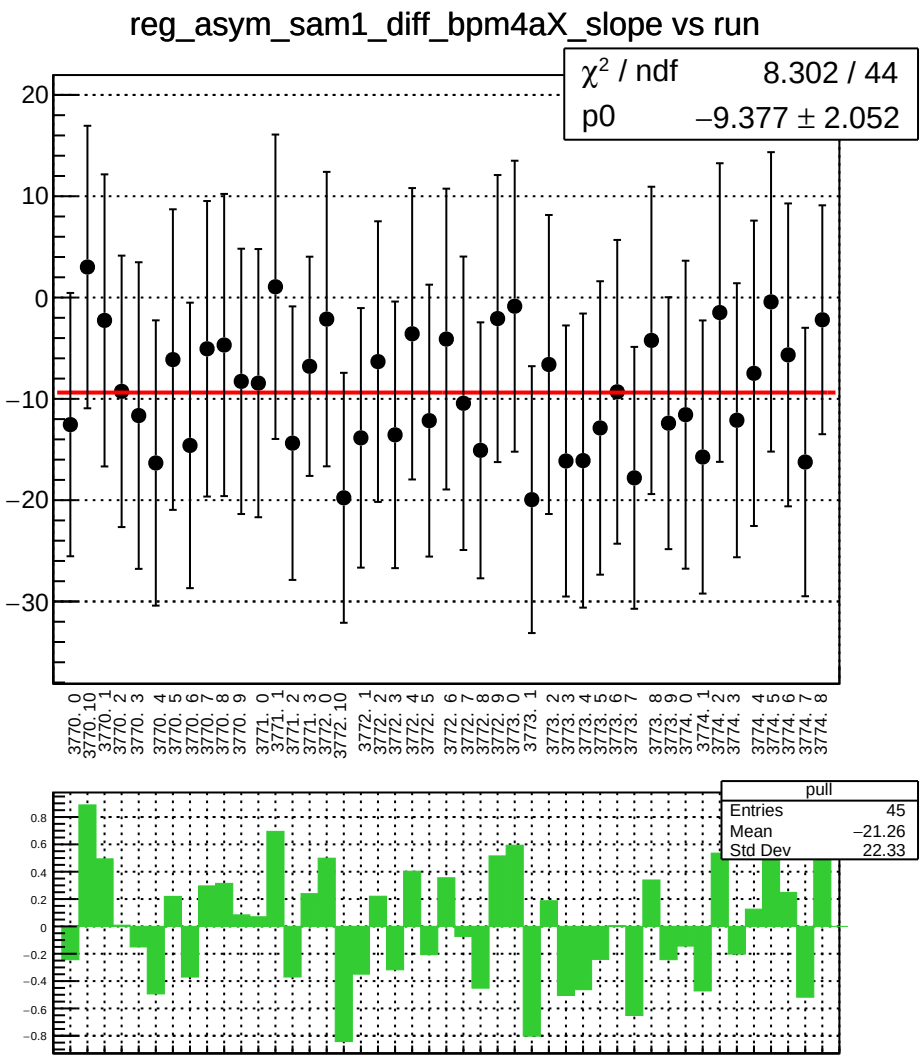

reg_asym_sam8_mean vs run
χ² / ndf 56.87 / 44
p0 79.67 ± 616.4
15000
10000
5000
0
−5000
−10000
−15000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 84.26
Std Dev 78.39
2
1
0
−1
−2

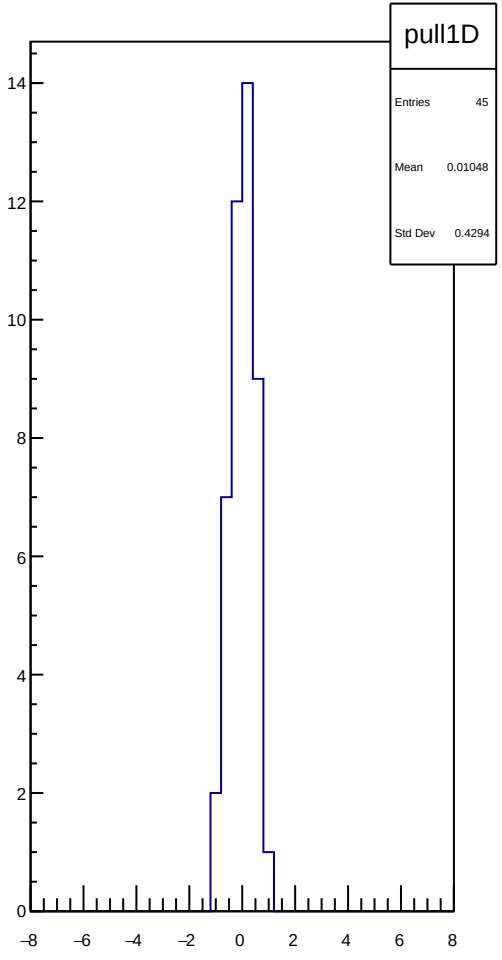

pull1D
Entries 45
Mean 0.01968
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

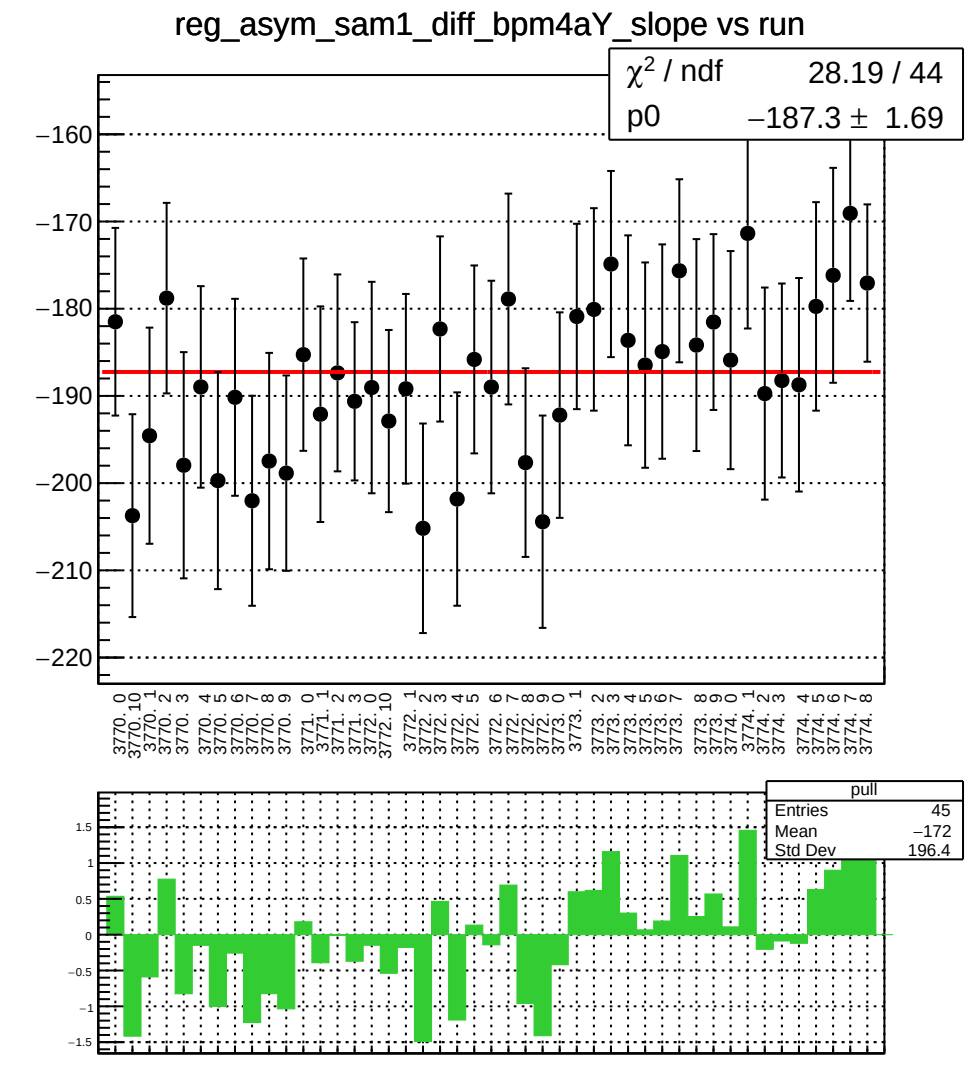

reg_asym_sam8_rms vs run
χ² / ndf 454.5 / 44
p0 399.2 ± 0.4358
425
420
415
410
405
400
395
390
385
380
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

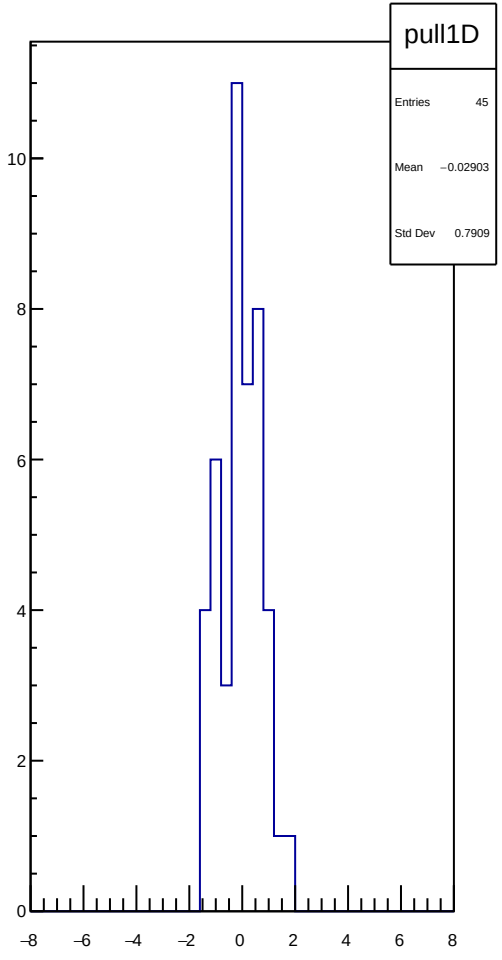

asym_sam8_correction_mean vs run
χ² / ndf 41.39 / 44
p0 −1012 ± 3096
60000
40000
20000
0
−20000
−40000
−60000
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 77.16
Std Dev 51.12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean −0.0256
Std Dev 0.9587
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

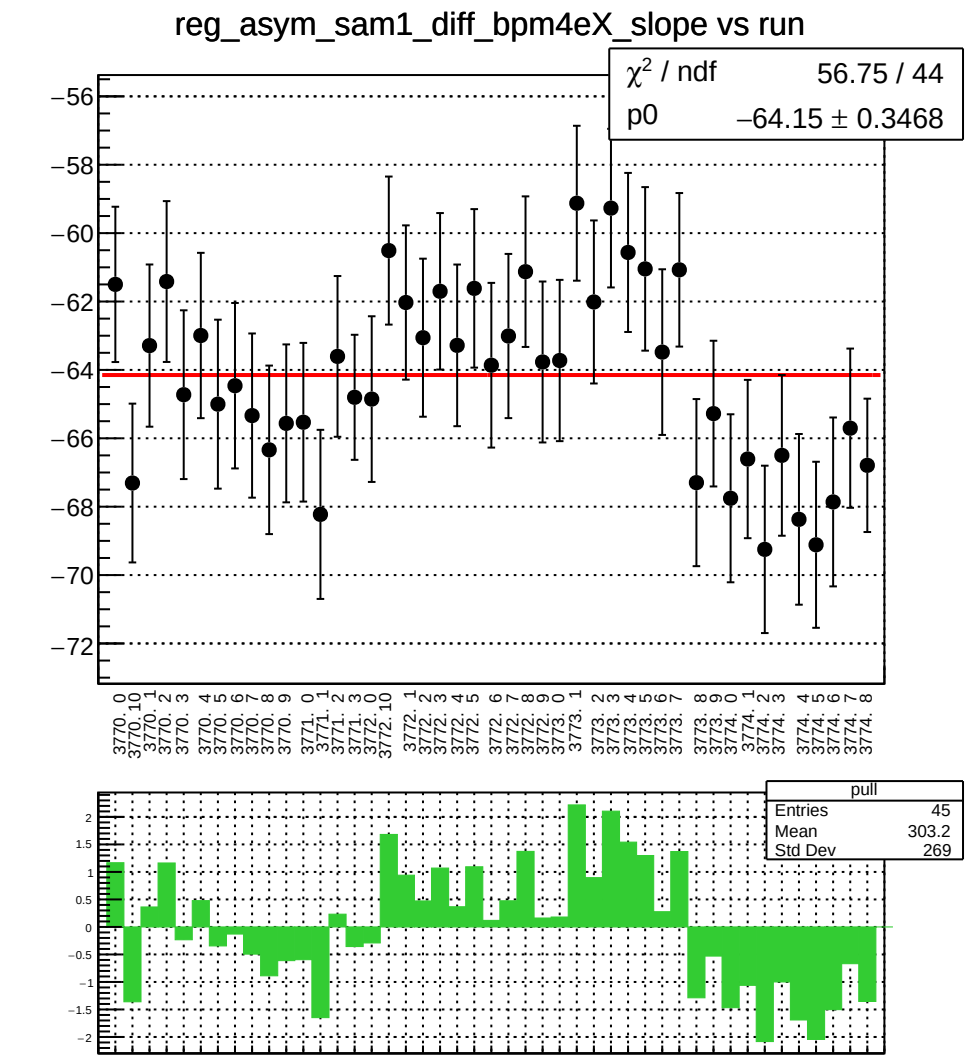

asym_sam8_correction_rms vs run
χ² / ndf 925.1 / 44
p0 2005 ± 2.189
2200
2150
2100
2050
2000
1950
1900
1850
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8

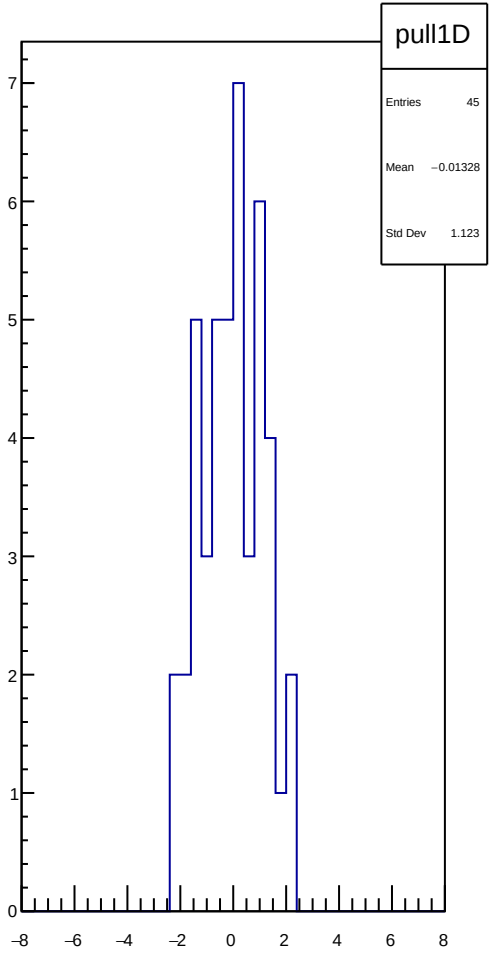

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 8.302 / 44
p0 −9.377 ± 2.052
pull
Entries 45
Mean −21.26
Std Dev 22.33

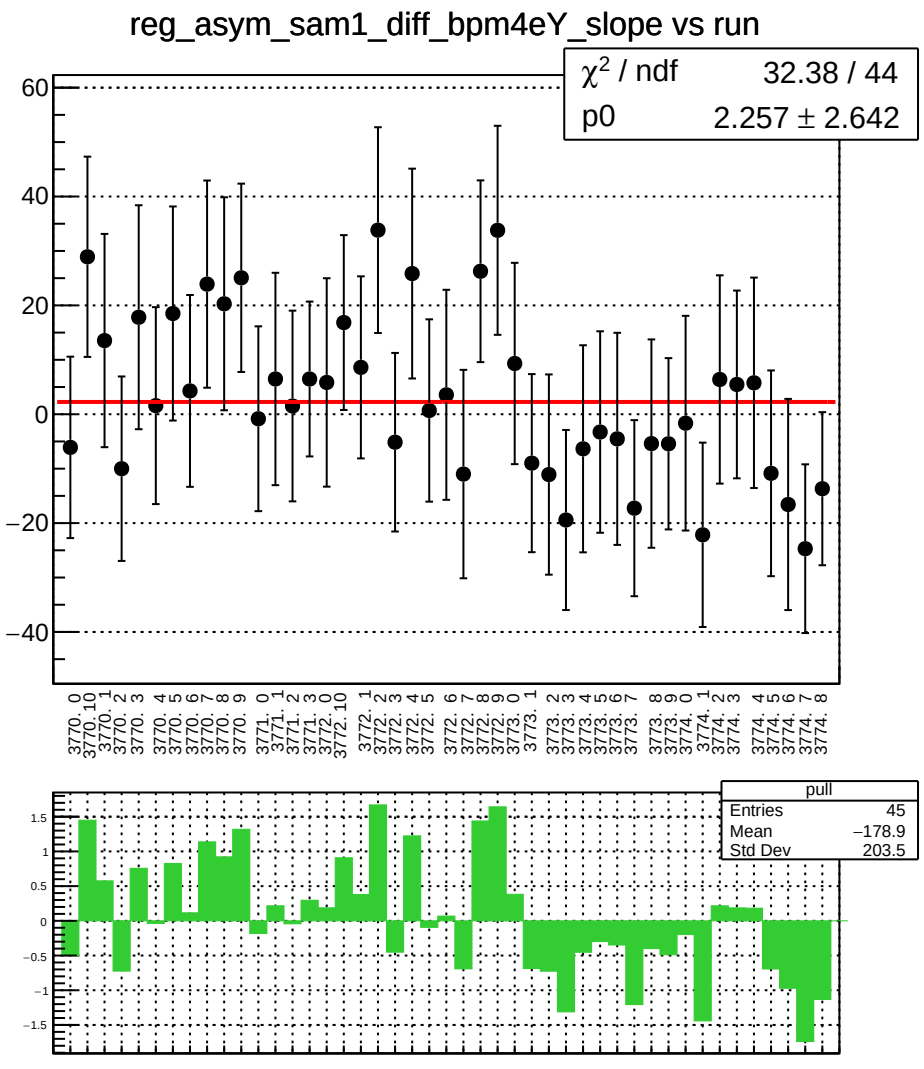

pull1D
Entries 45
Mean 0.01048
Std Dev 0.4294

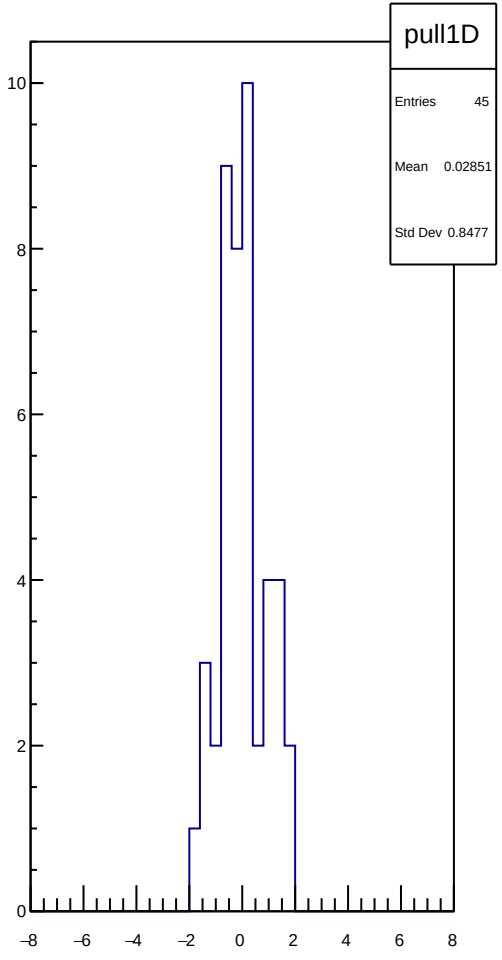

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 28.19 / 44
p0 −187.3 ± 1.69
−160
−170
−180
−190
−200
−210
−220
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −172
Std Dev 196.4
1.5
1
0.5
0
−0.5
−1
−1.5

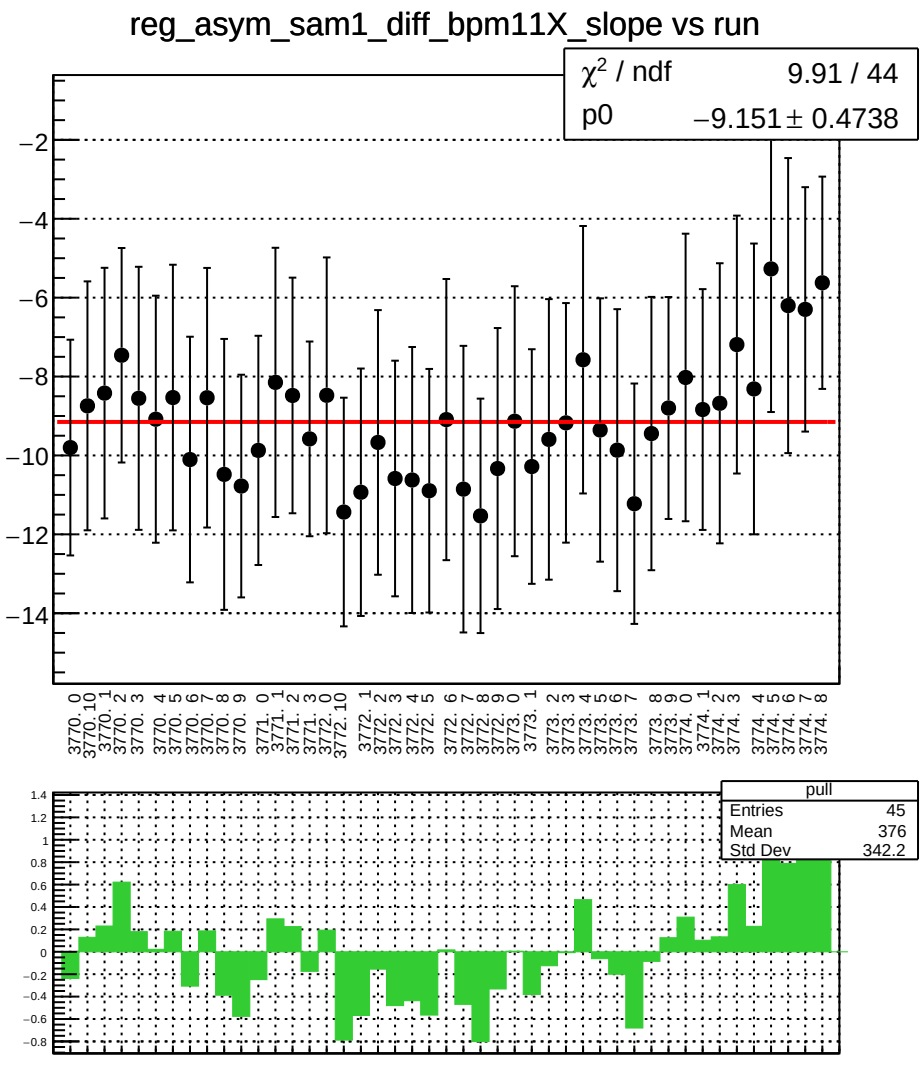

pull1D
Entries 45
Mean −0.02903
Std Dev 0.7909
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

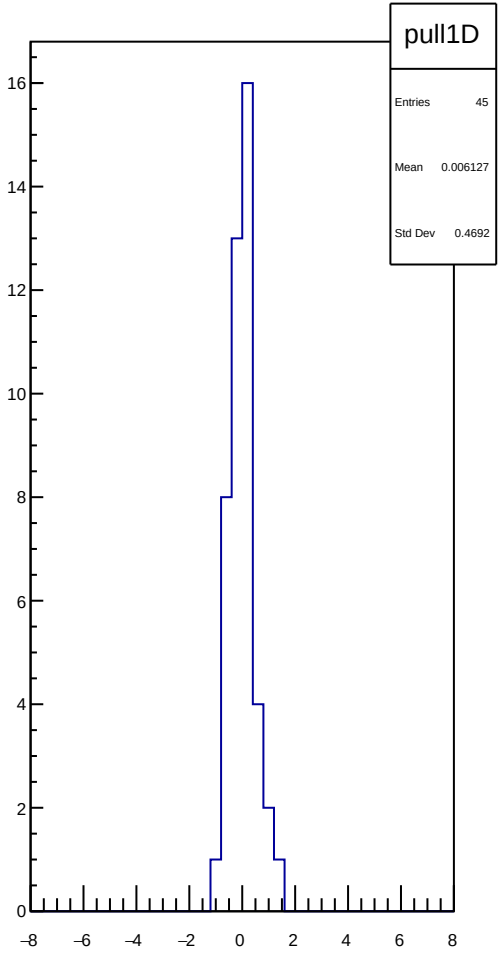

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 56.75 / 44
p0 −64.15 ± 0.3468
pull
Entries 45
Mean 303.2
Std Dev 269

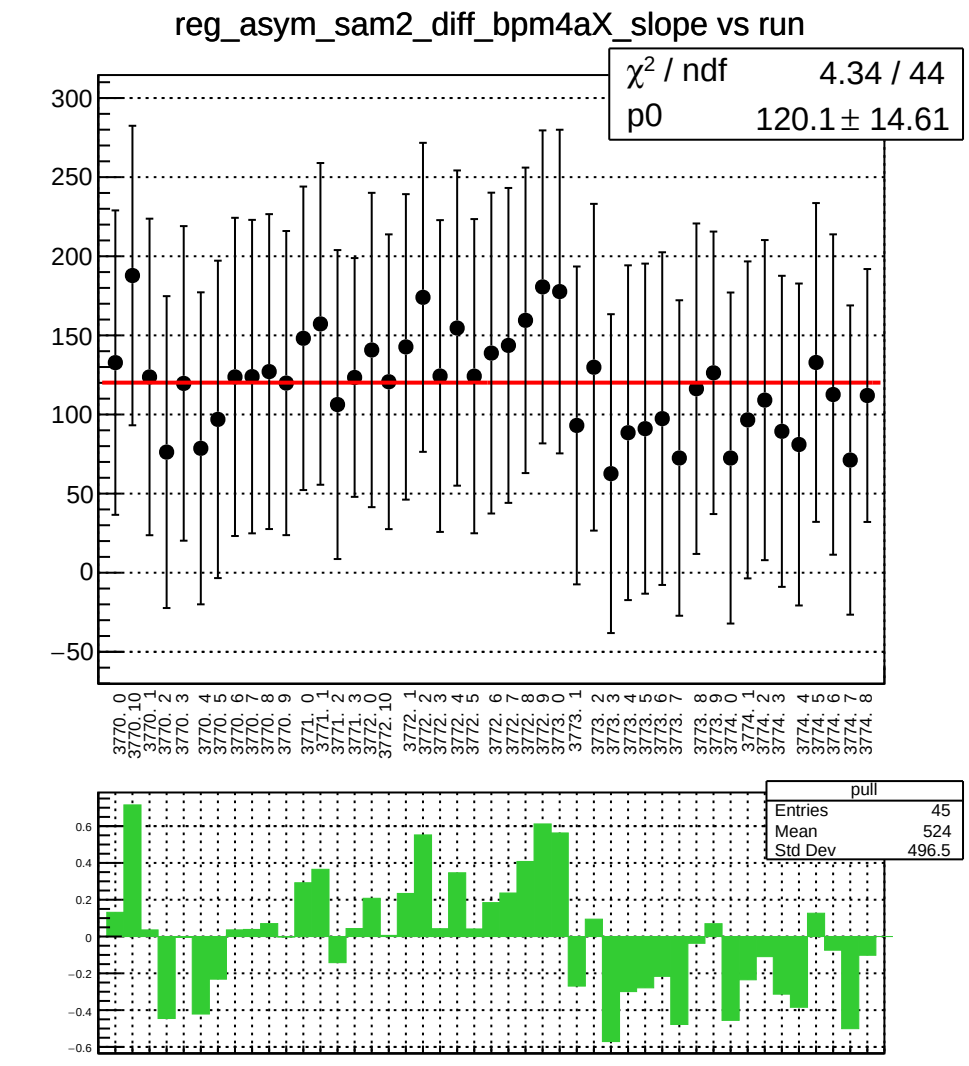

pull1D
Entries 45
Mean −0.01328
Std Dev 1.123

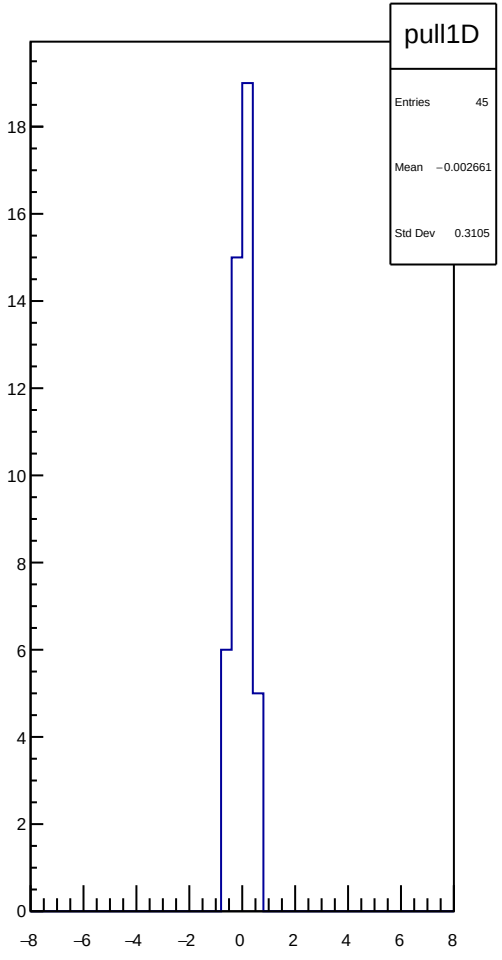

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 32.38 / 44
p0 2.257 ± 2.642
60
40
20
0
−20
−40
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −178.9
Std Dev 203.5
1.5
1
0.5
0
−0.5
−1
−1.5

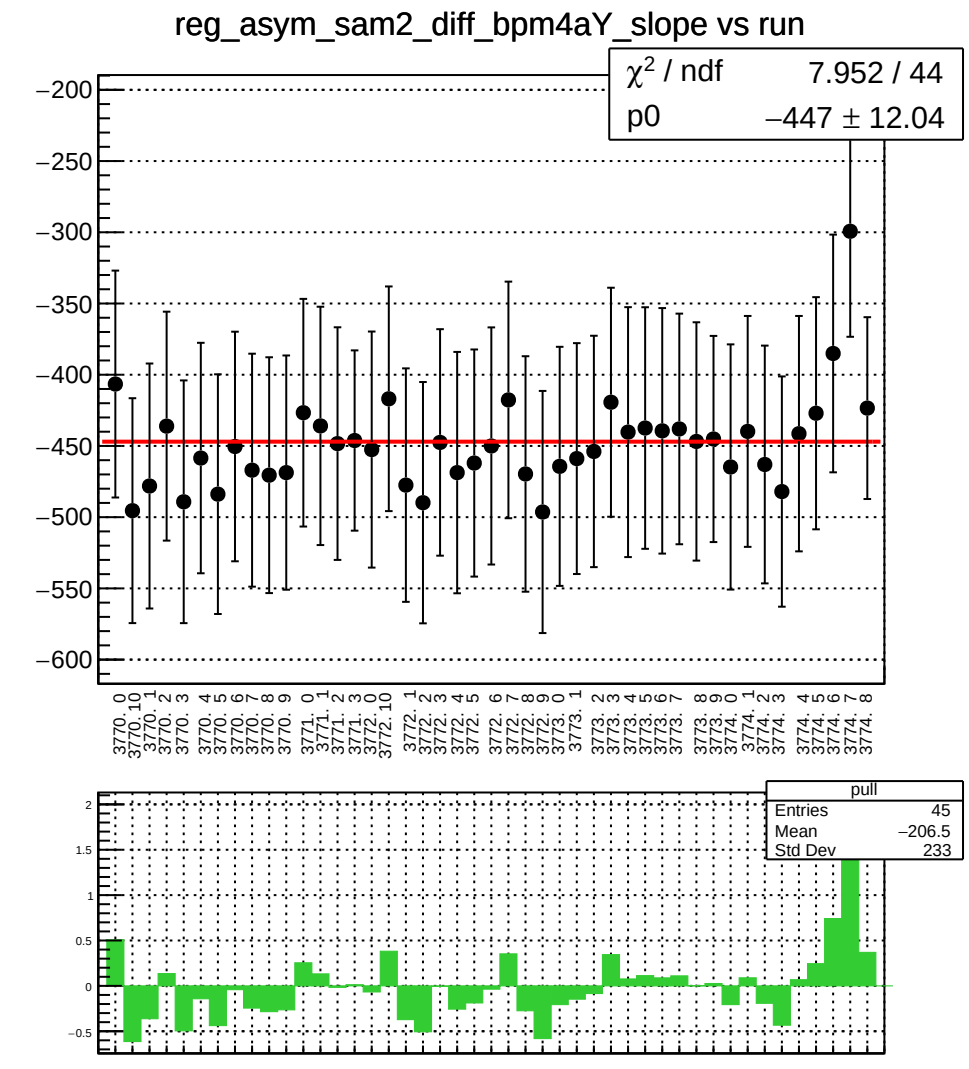

pull1D
Entries 45
Mean 0.02851
Std Dev 0.8477
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

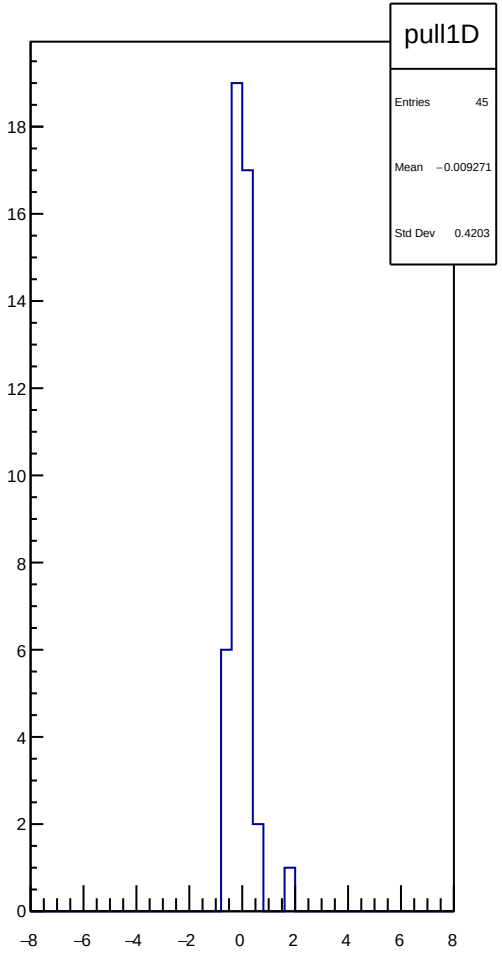

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 9.91 / 44
p0 −9.151 ± 0.4738
pull
Entries 45
Mean 376
Std Dev 342.2

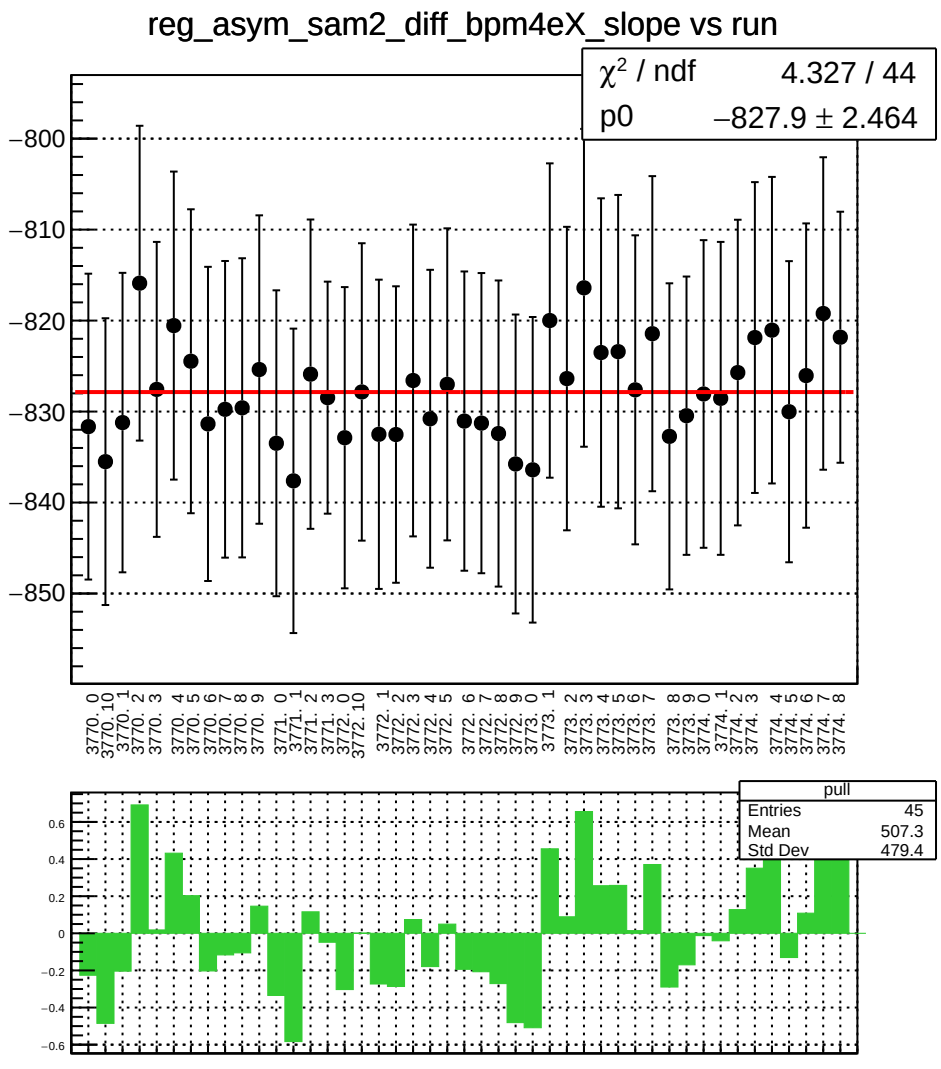

pull1D
Entries 45
Mean 0.006127
Std Dev 0.4692

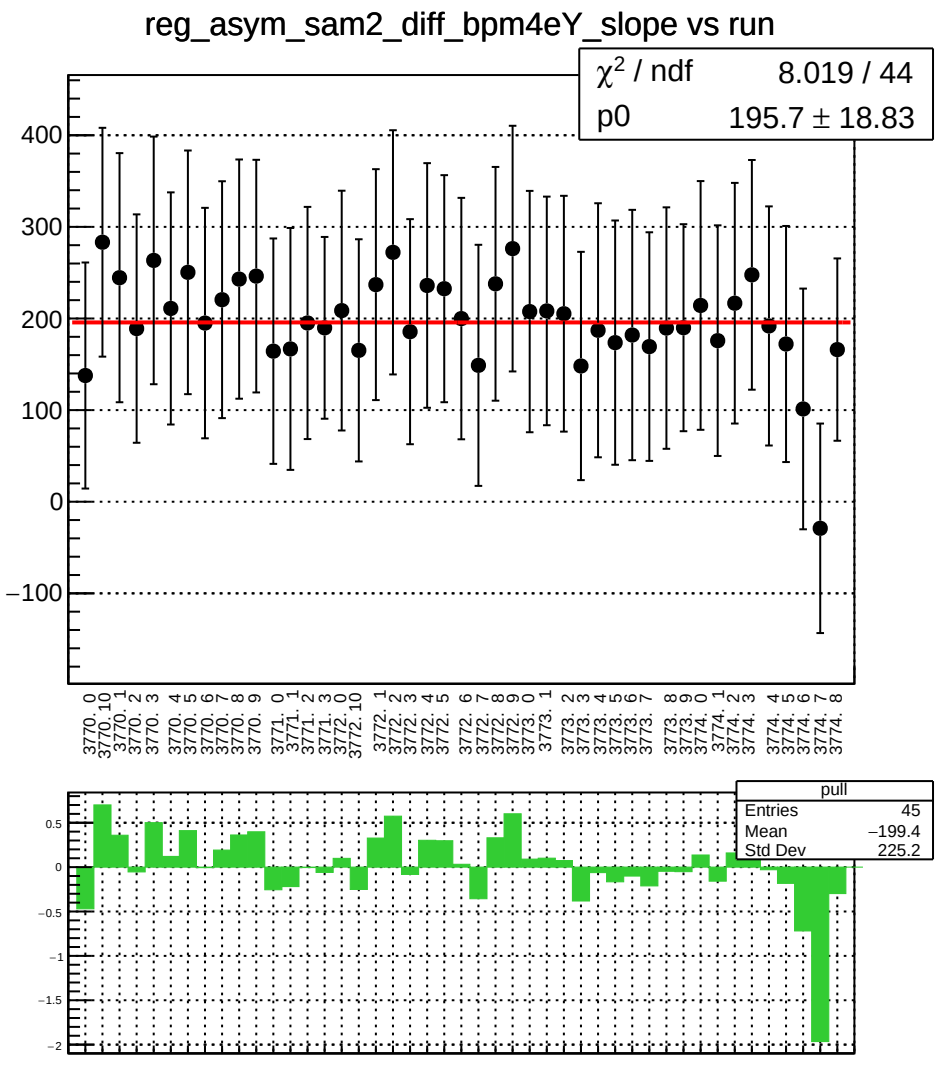

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 4.34 / 44
p0 120.1 ± 14.61
pull
Entries 45
Mean 524
Std Dev 496.5

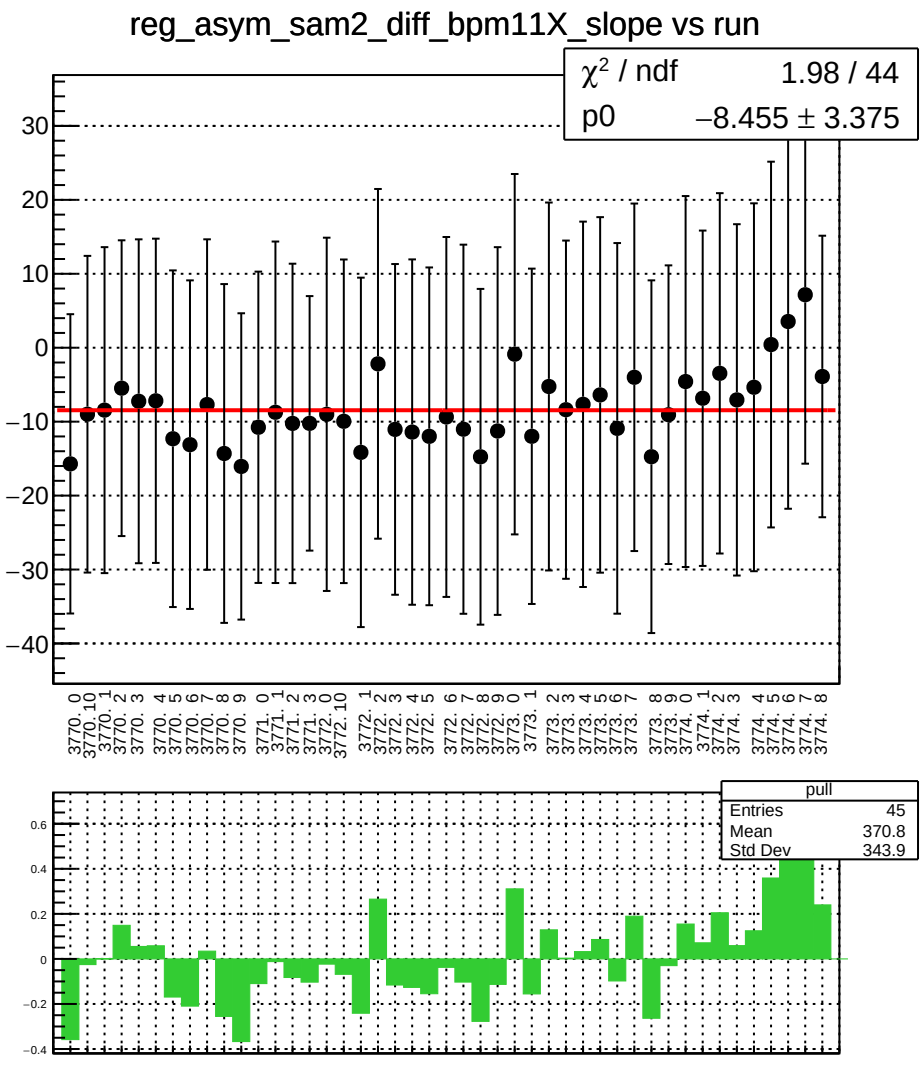

pull1D
Entries 45
Mean −0.002661
Std Dev 0.3105

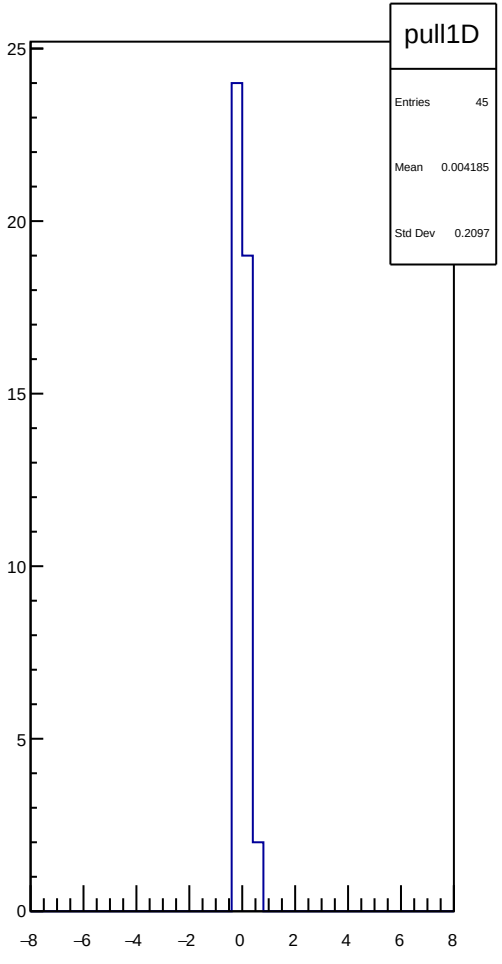

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.952 / 44
p0 −447 ± 12.04
pull
Entries 45
Mean −206.5
Std Dev 233

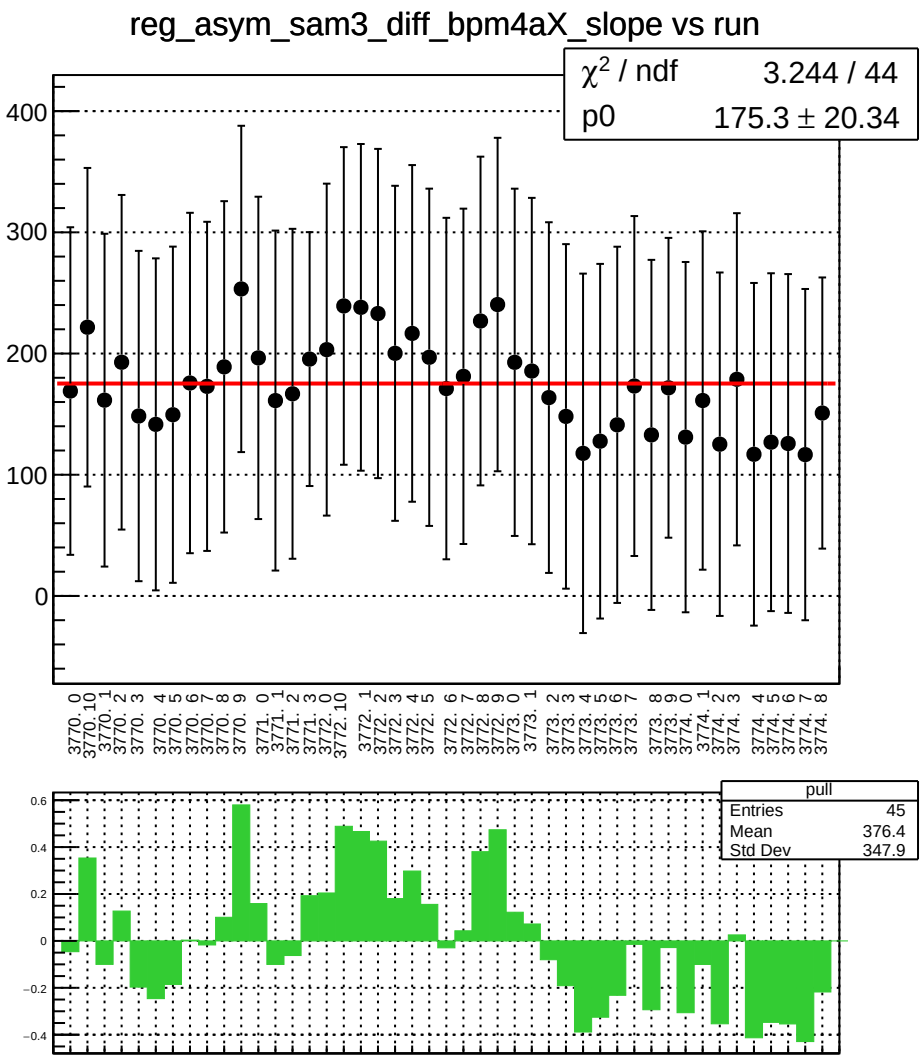

pull1D
Entries 45
Mean −0.009271
Std Dev 0.4203

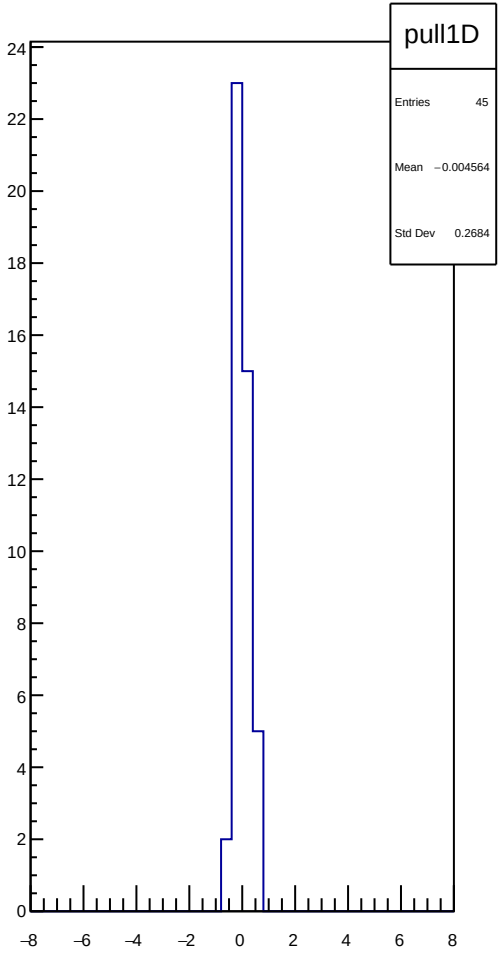

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.327 / 44
p0 −827.9 ± 2.464
−800
−810
−820
−830
−840
−850
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 507.3
Std Dev 479.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean 0.002452
Std Dev 0.3101
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

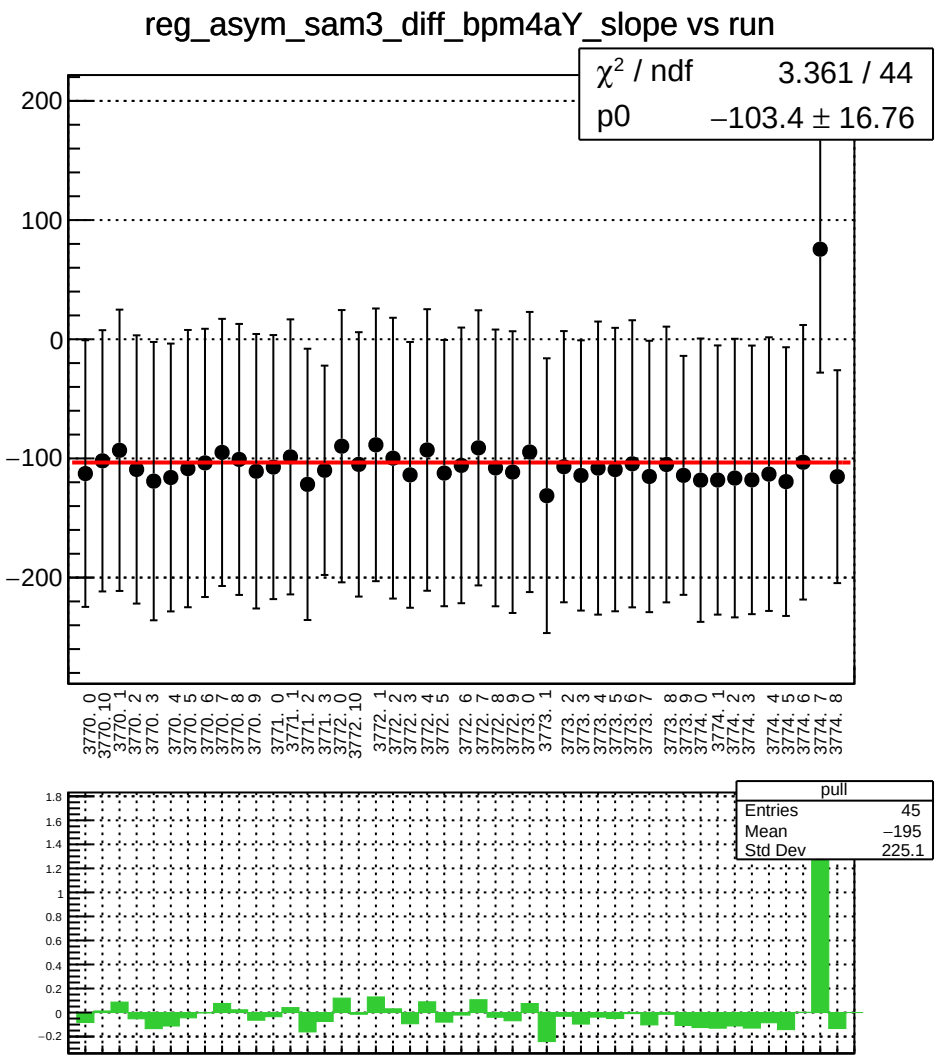

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.019 / 44
p0 195.7 ± 18.83
400
300
200
100
0
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −199.4
Std Dev 225.2
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01016
Std Dev 0.422
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

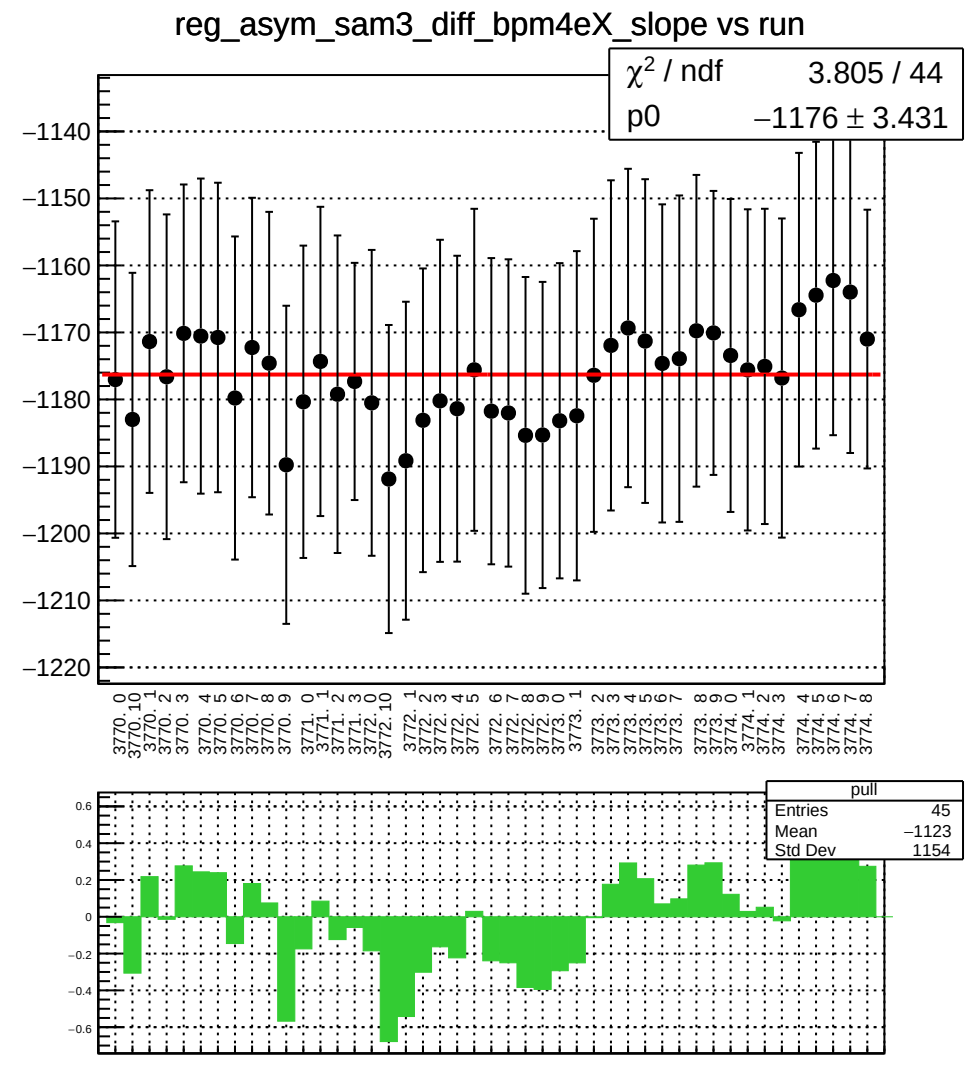

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 1.98 / 44
p0 −8.455 ± 3.375
pull
Entries 45
Mean 370.8
Std Dev 343.9

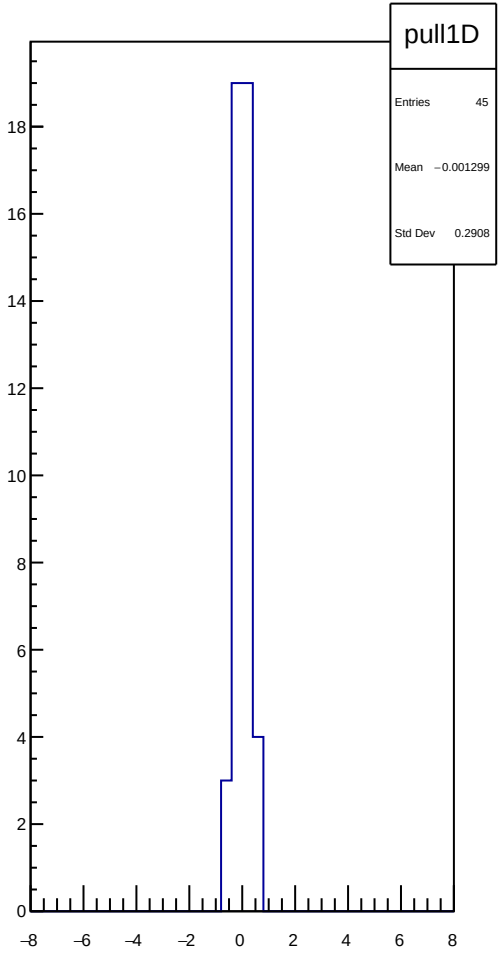

pull1D
Entries 45
Mean 0.004185
Std Dev 0.2097

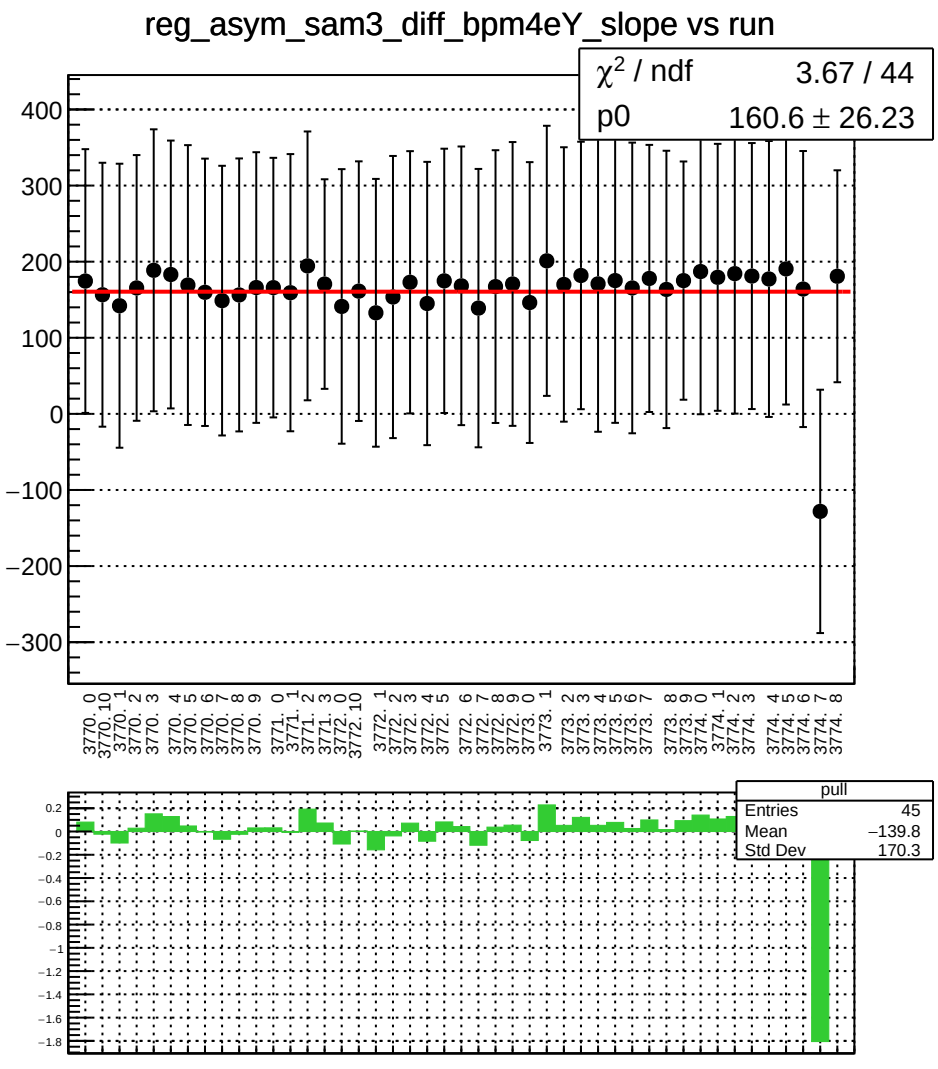

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.244 / 44
p0 175.3 ± 20.34
400
300
200
100
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 376.4
Std Dev 347.9
0.6
0.4
0.2
0
−0.2
−0.4

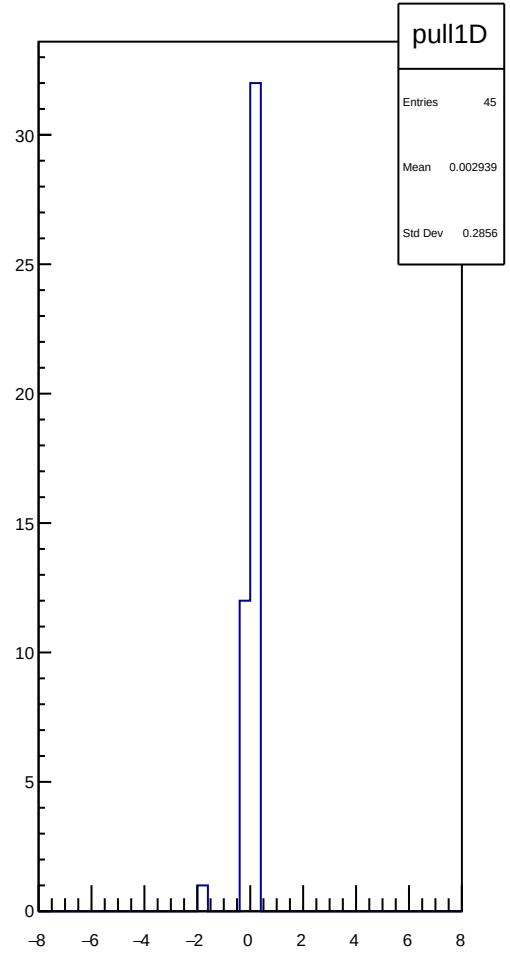

pull1D
Entries 45
Mean −0.004564
Std Dev 0.2684
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

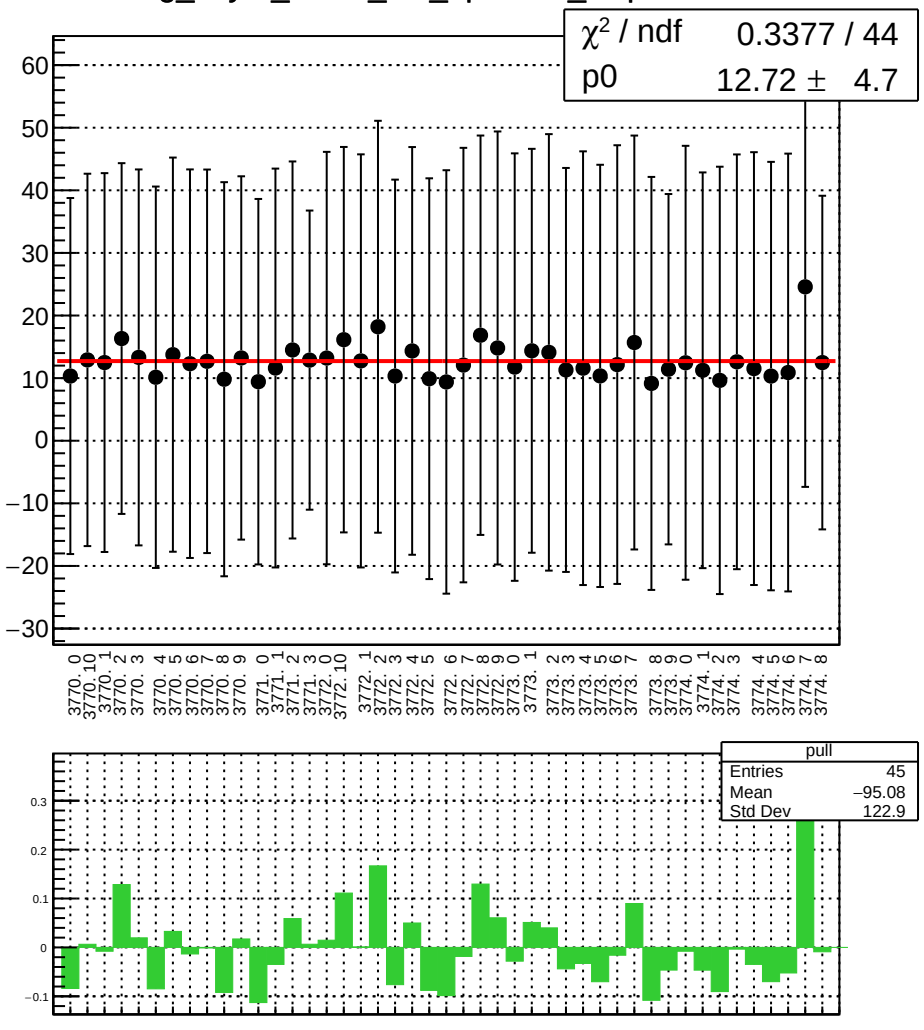

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.361 / 44
p0 −103.4 ± 16.76
200
100
0
−100
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −195
Std Dev 225.1
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 45
Mean −0.002243
Std Dev 0.2733
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

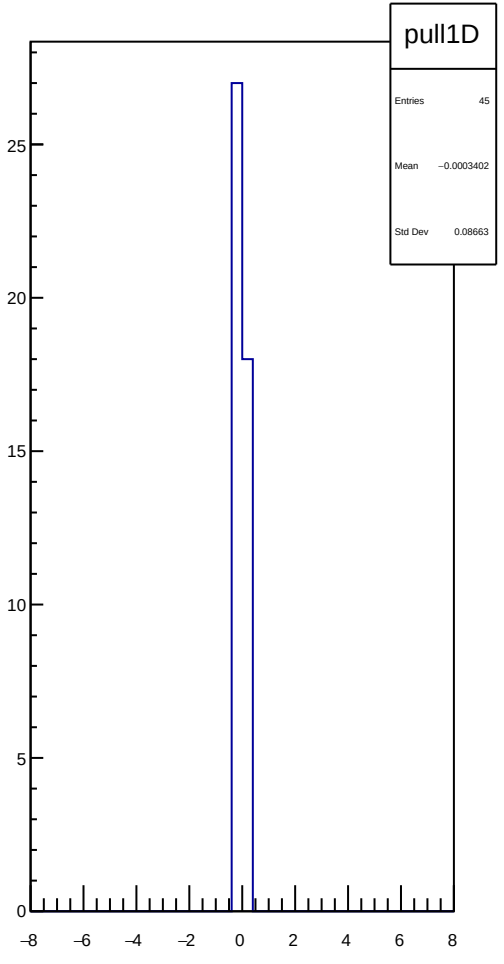

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.805 / 44
p0 −1176 ± 3.431
−1140
−1150
−1160
−1170
−1180
−1190
−1200
−1210
−1220
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1123
Std Dev 1154
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

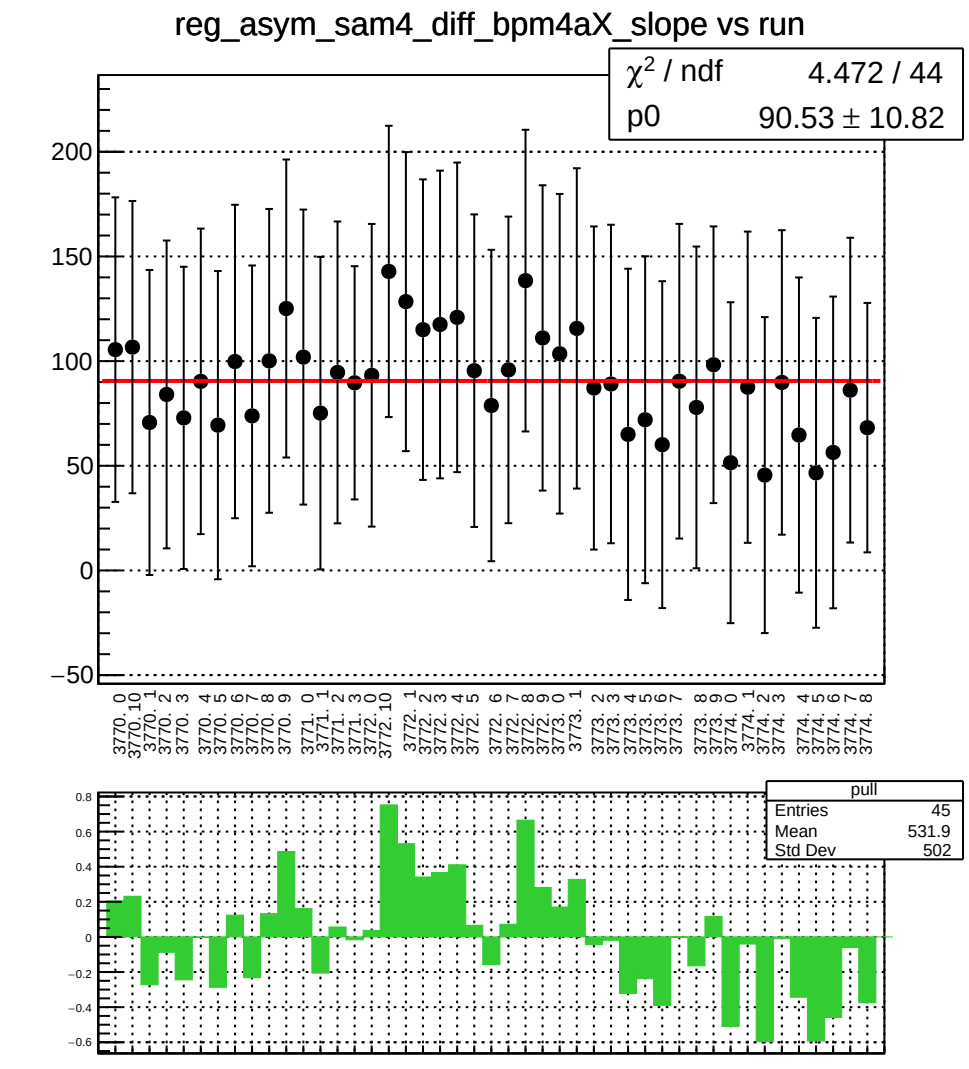

pull1D
Entries 45
Mean −0.001299
Std Dev 0.2908
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

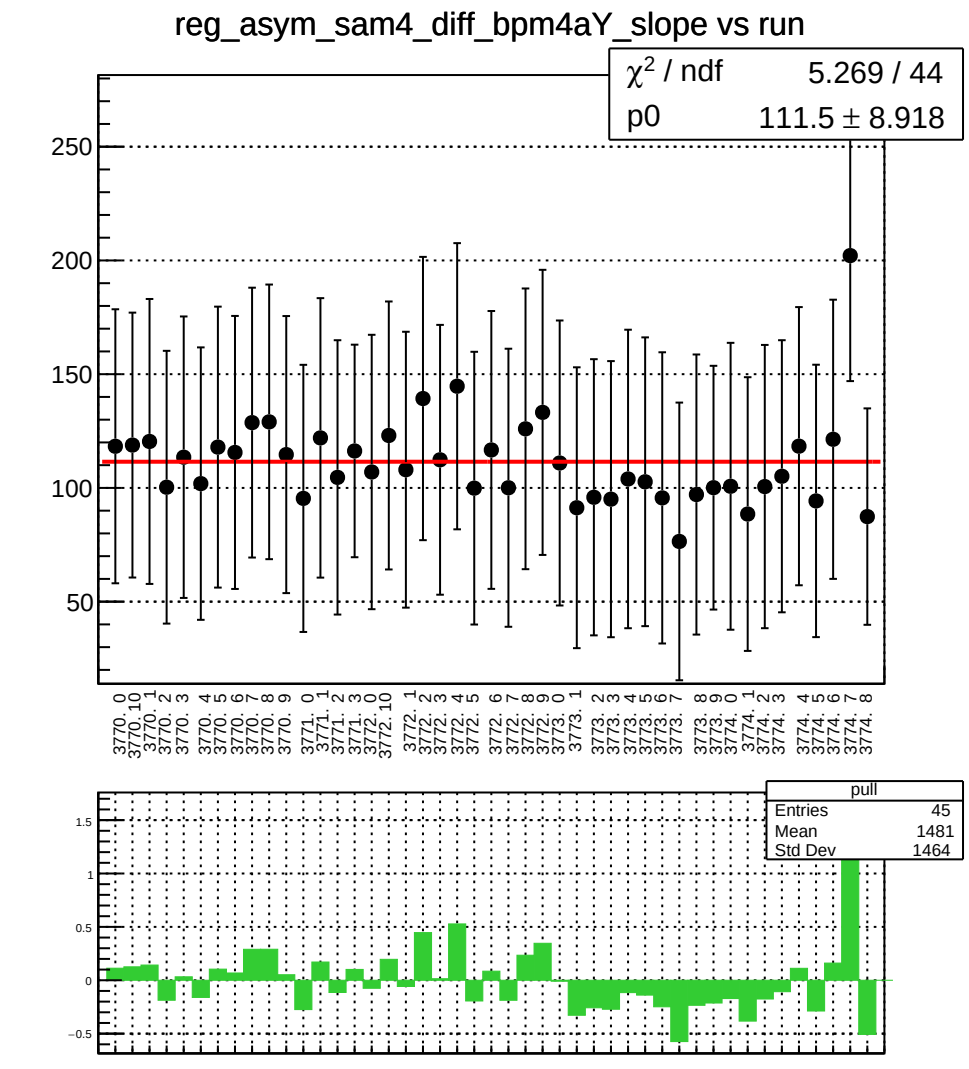

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.67 / 44
p0 160.6 ± 26.23
pull
Entries 45
Mean −139.8
Std Dev 170.3

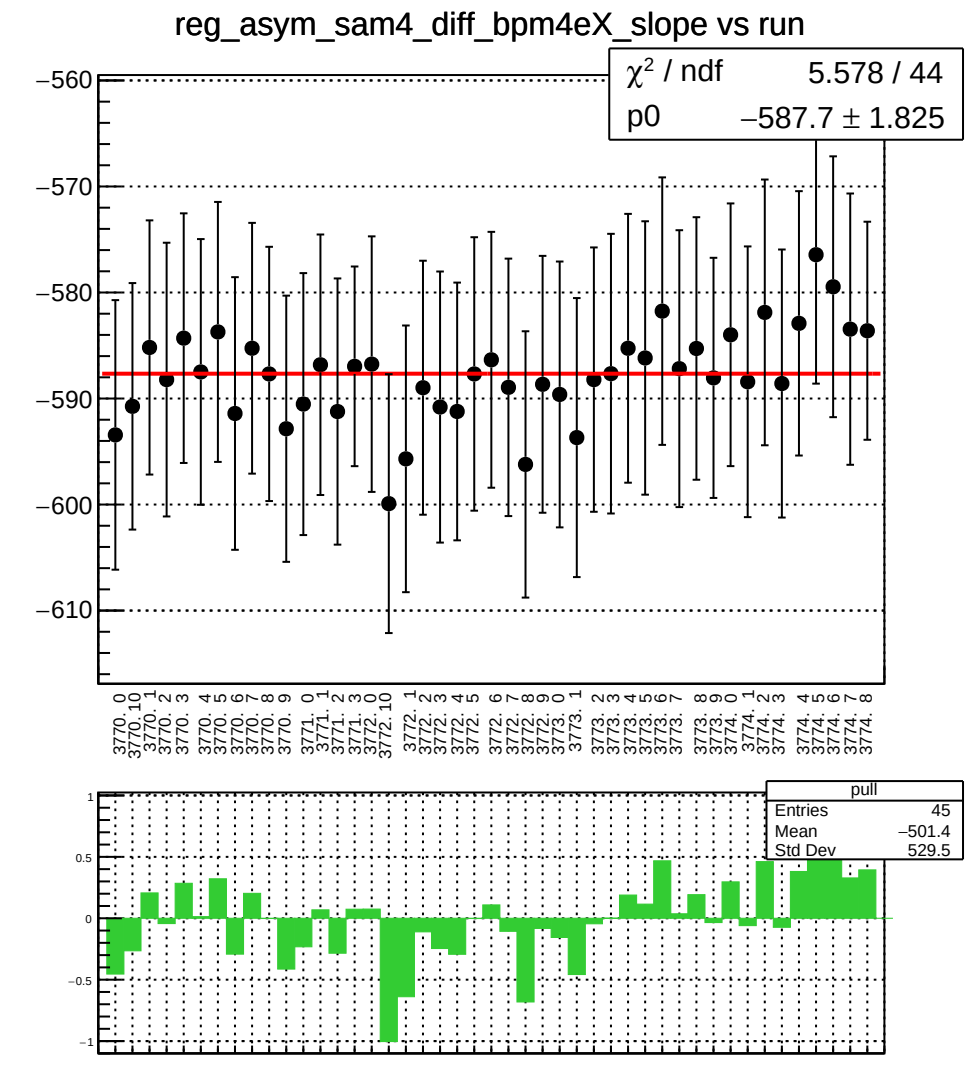

pull1D
Entries 45
Mean 0.002939
Std Dev 0.2856

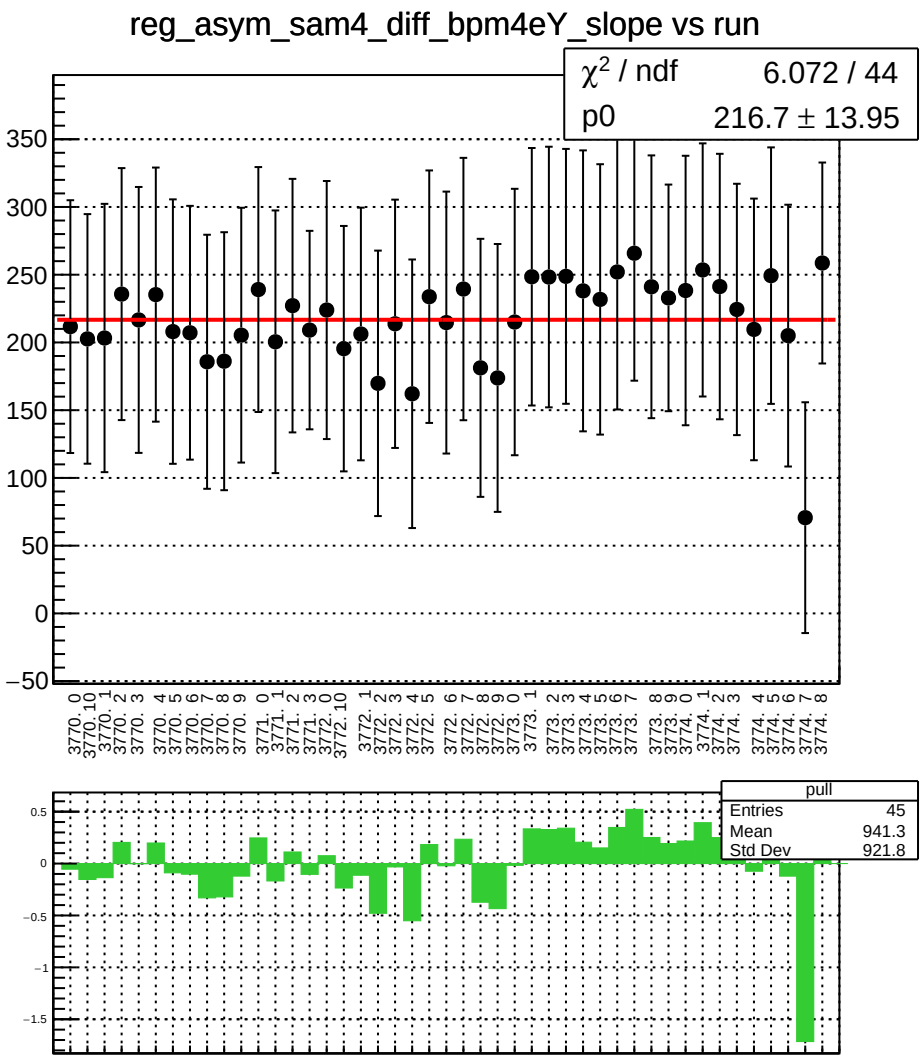

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 0.3377 / 44
p0 12.72 ± 4.7
pull
Entries 45
Mean −95.08
Std Dev 122.9

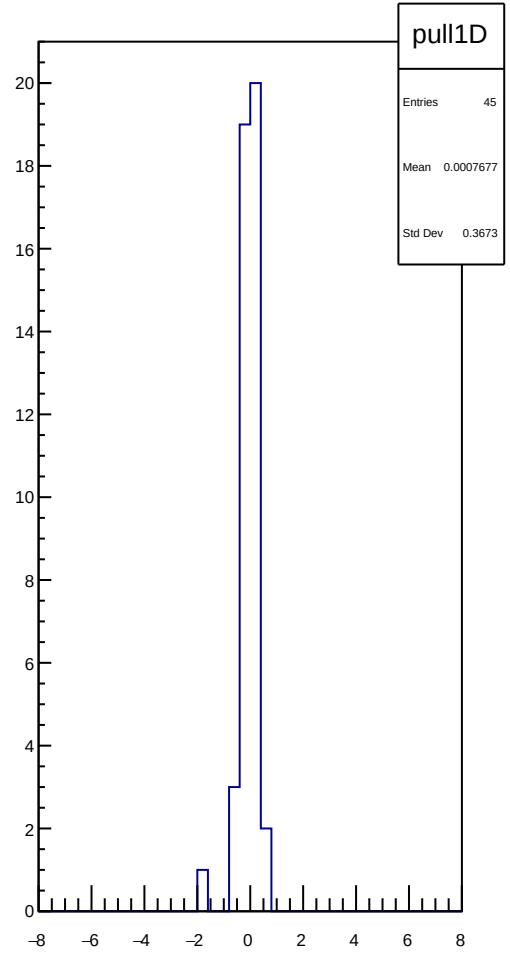

pull1D
Entries 45
Mean −0.0003402
Std Dev 0.08663

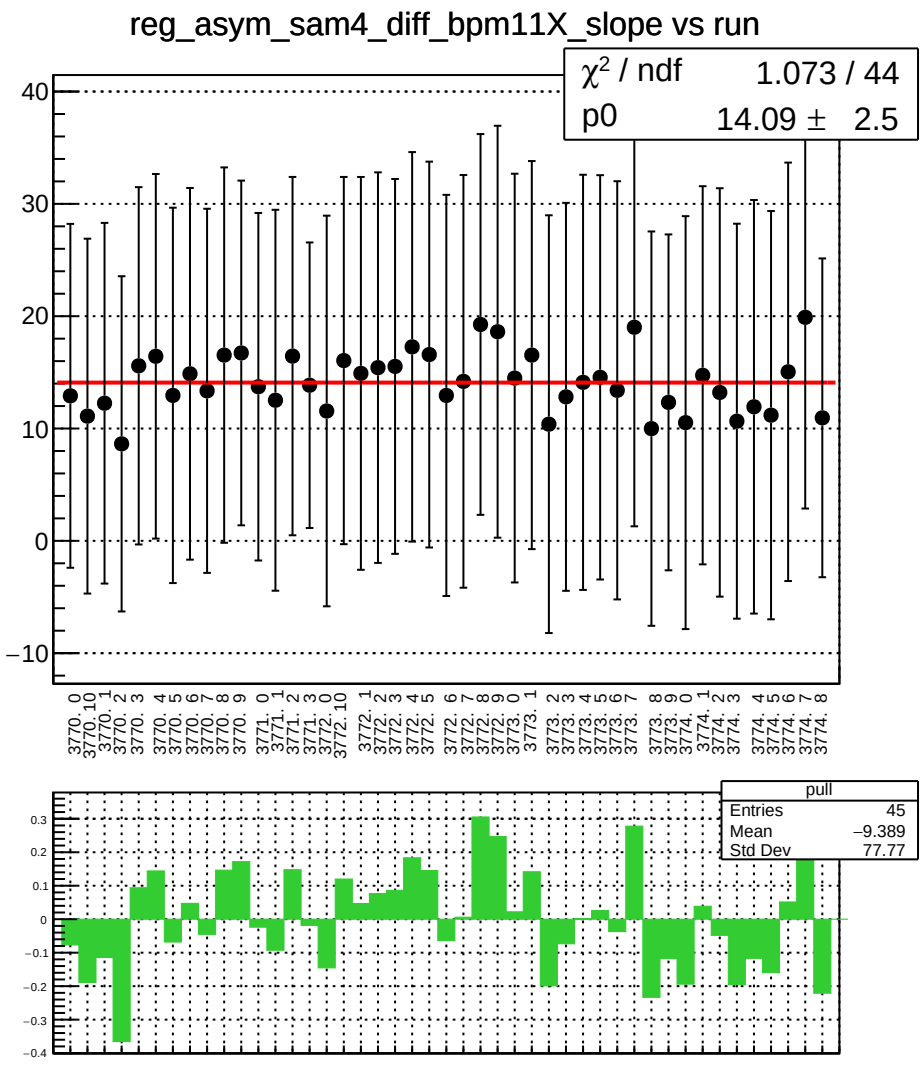

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 4.472 / 44
p0 90.53 ± 10.82
200
150
100
50
0
−50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 531.9
Std Dev 502
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.003
Std Dev 0.3152
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

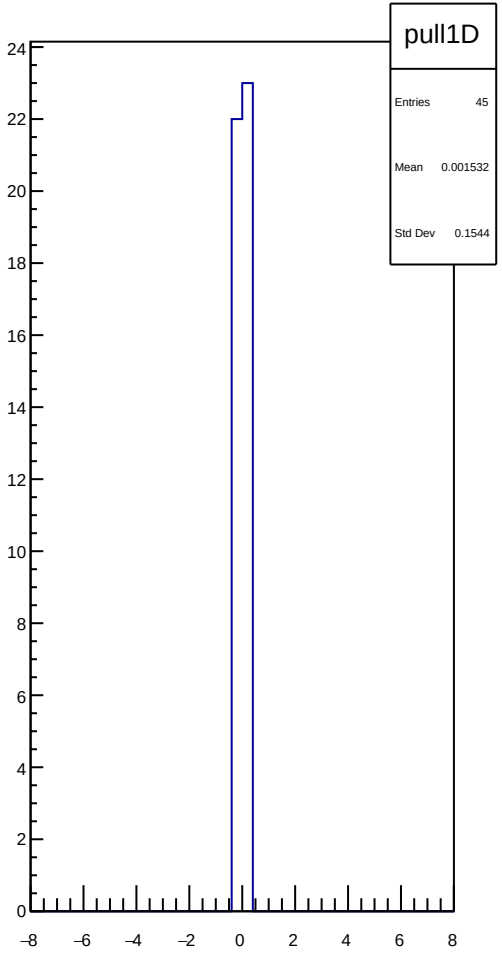

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 5.269 / 44
p0 111.5 ± 8.918
250
200
150
100
50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1481
Std Dev 1464
1.5
1
0.5
0
−0.5
pull1D
Entries 45
Mean −0.0003797
Std Dev 0.3422
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

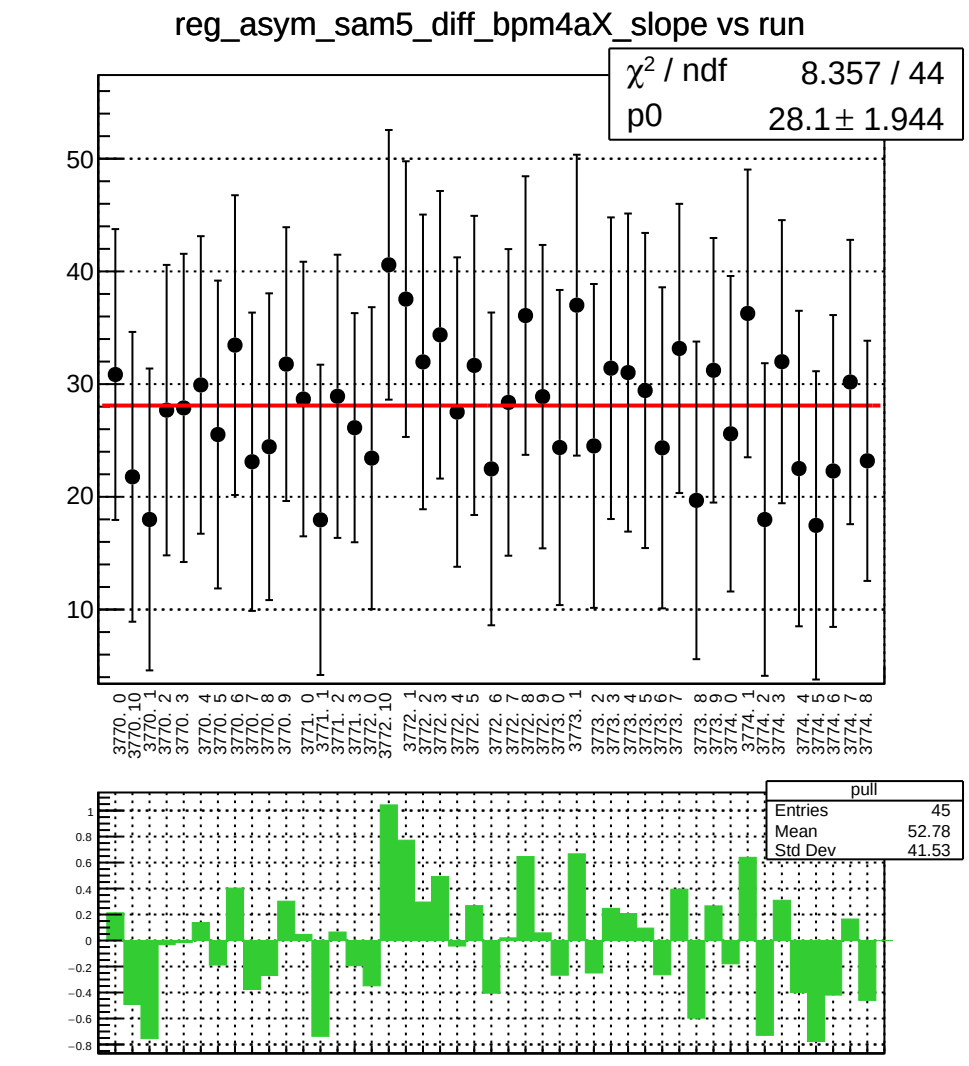

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.578 / 44
p0 −587.7 ± 1.825
−560
−570
−580
−590
−600
−610
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −501.4
Std Dev 529.5
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean −0.00381
Std Dev 0.3521
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

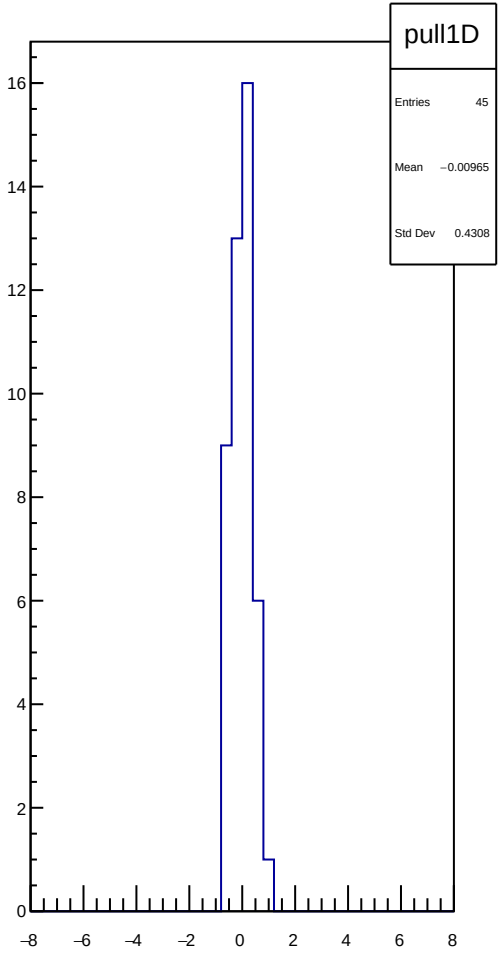

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 6.072 / 44
p0 216.7 ± 13.95
pull
Entries 45
Mean 941.3
Std Dev 921.8

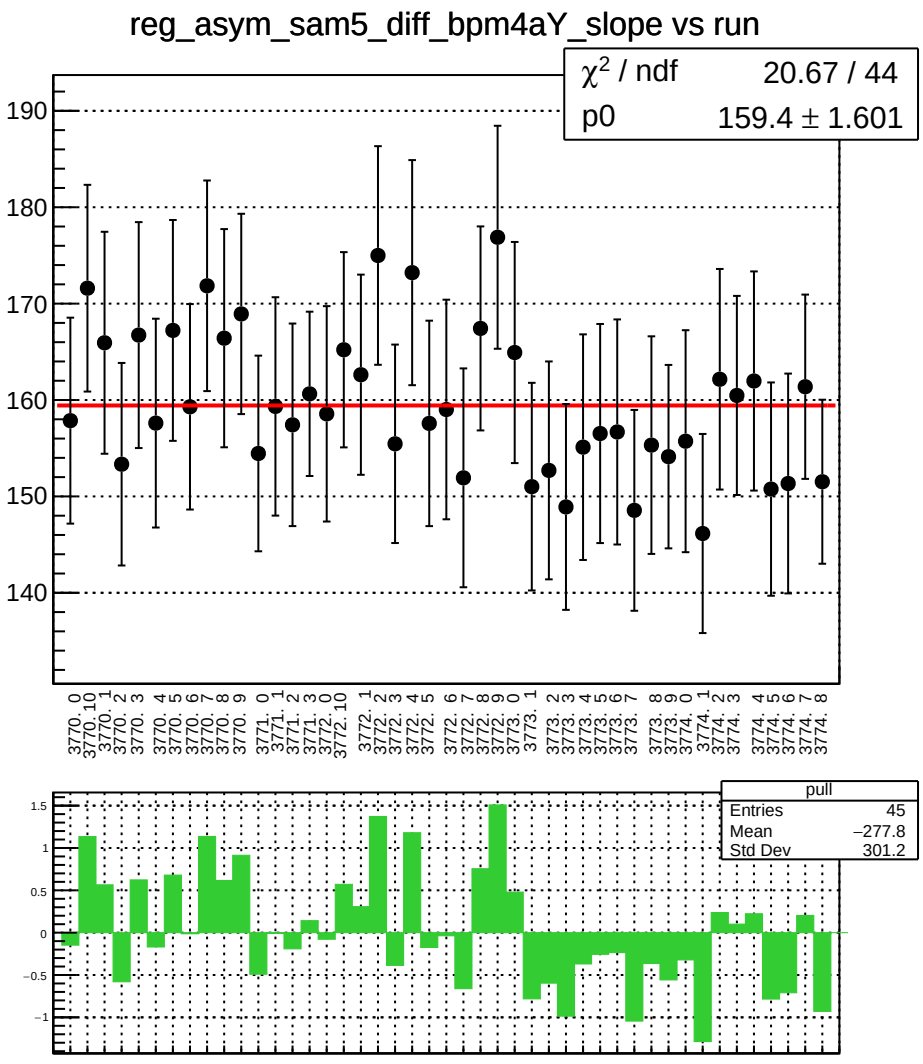

pull1D
Entries 45
Mean 0.0007677
Std Dev 0.3673

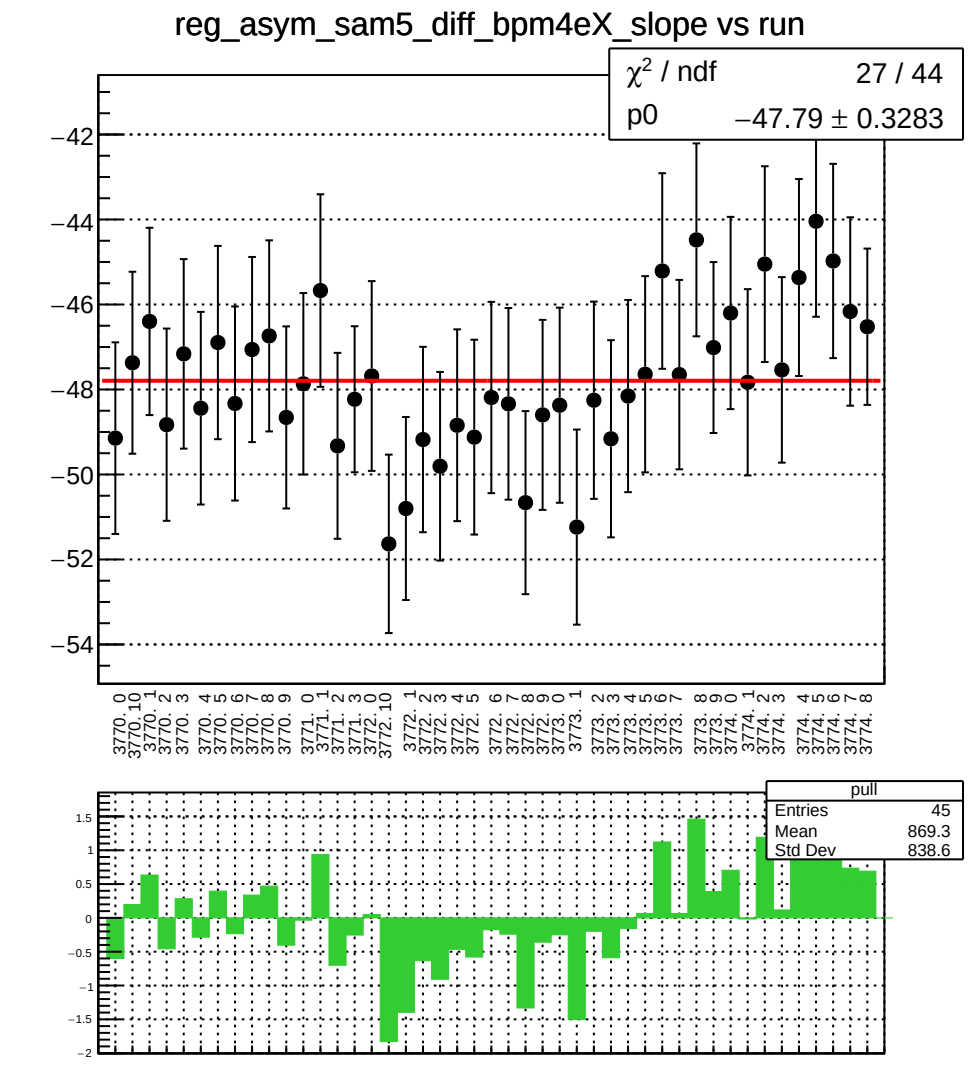

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 1.073 / 44
p0 14.09 ± 2.5
40
30
20
10
0
−10
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −9.389
Std Dev 77.77
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

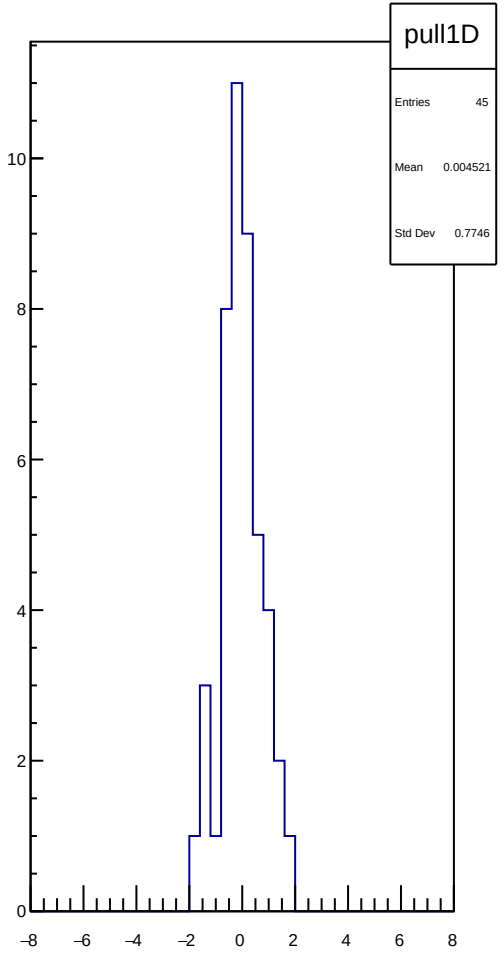

pull1D
Entries 45
Mean 0.001532
Std Dev 0.1544
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

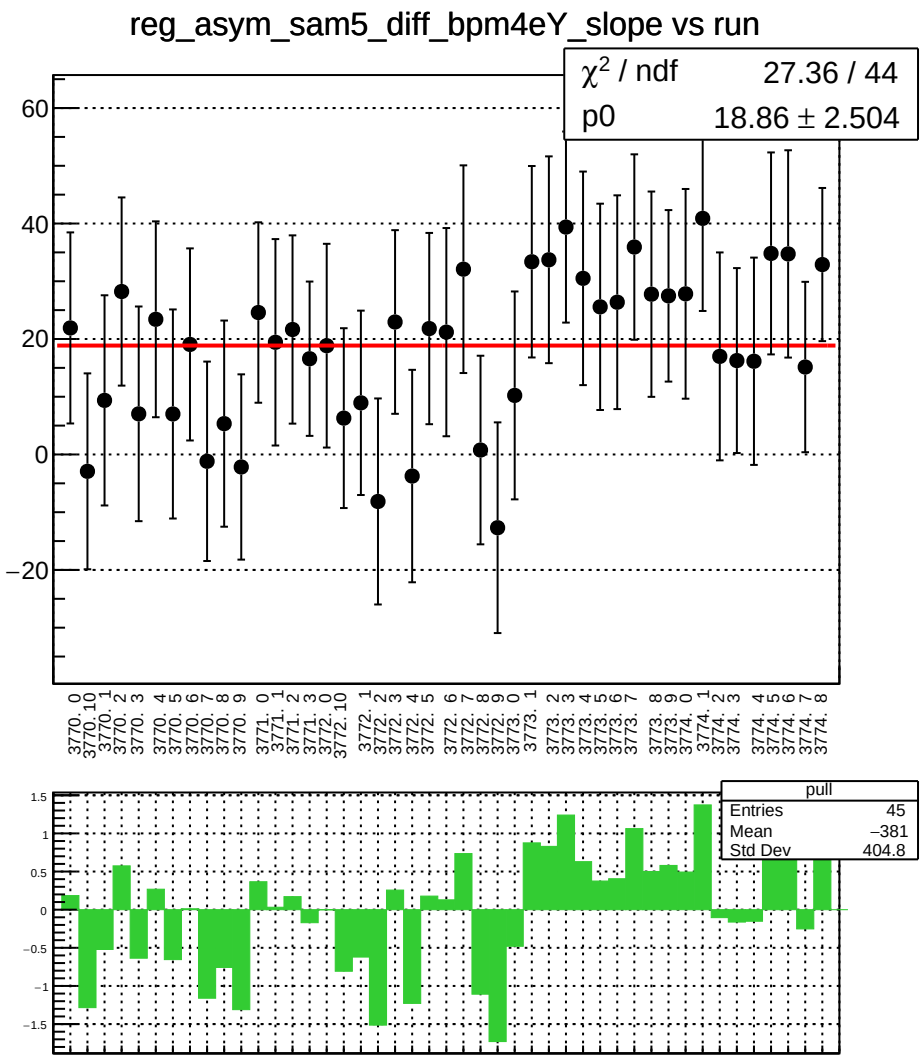

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 8.357 / 44
p0 28.1 ± 1.944
pull
Entries 45
Mean 52.78
Std Dev 41.53

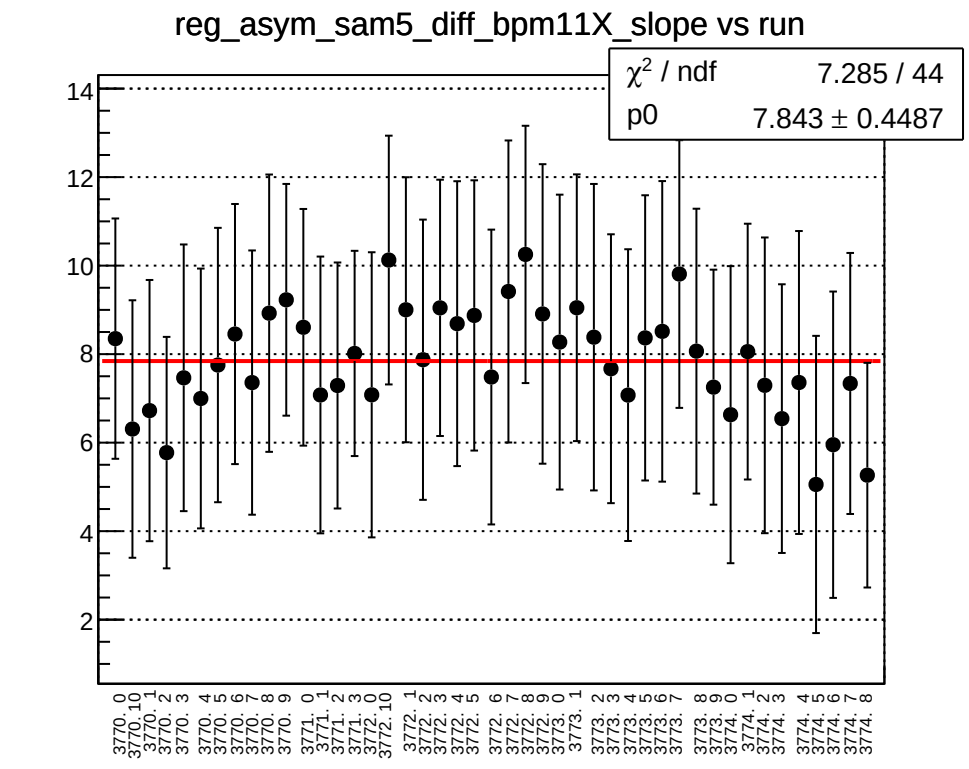

pull1D
Entries 45
Mean −0.00965
Std Dev 0.4308

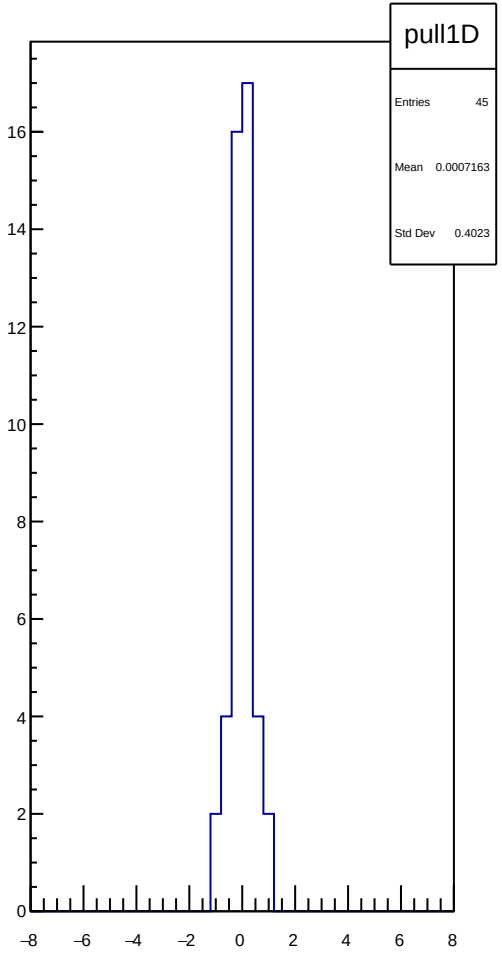

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 20.67 / 44
p0 159.4 ± 1.601
190
180
170
160
150
140
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −277.8
Std Dev 301.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean 0.0131
Std Dev 0.6777
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

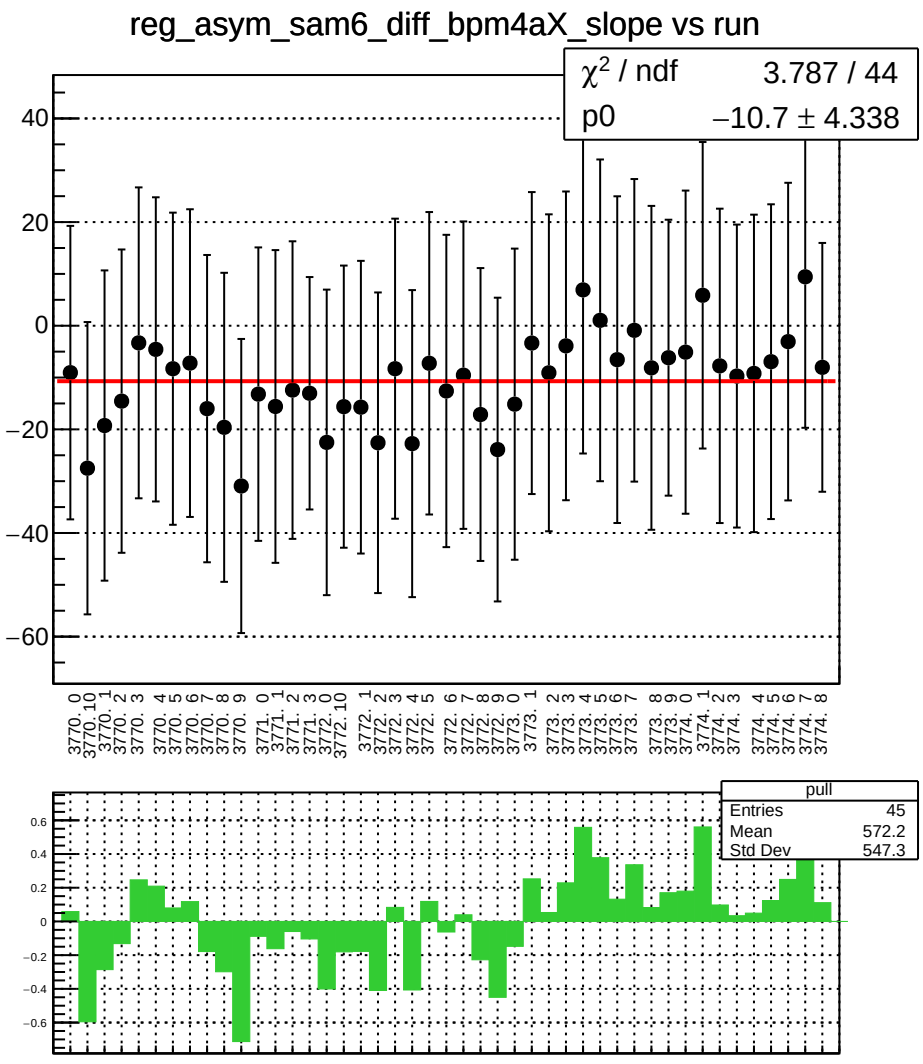

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 27 / 44
p0 −47.79 ± 0.3283
pull
Entries 45
Mean 869.3
Std Dev 838.6

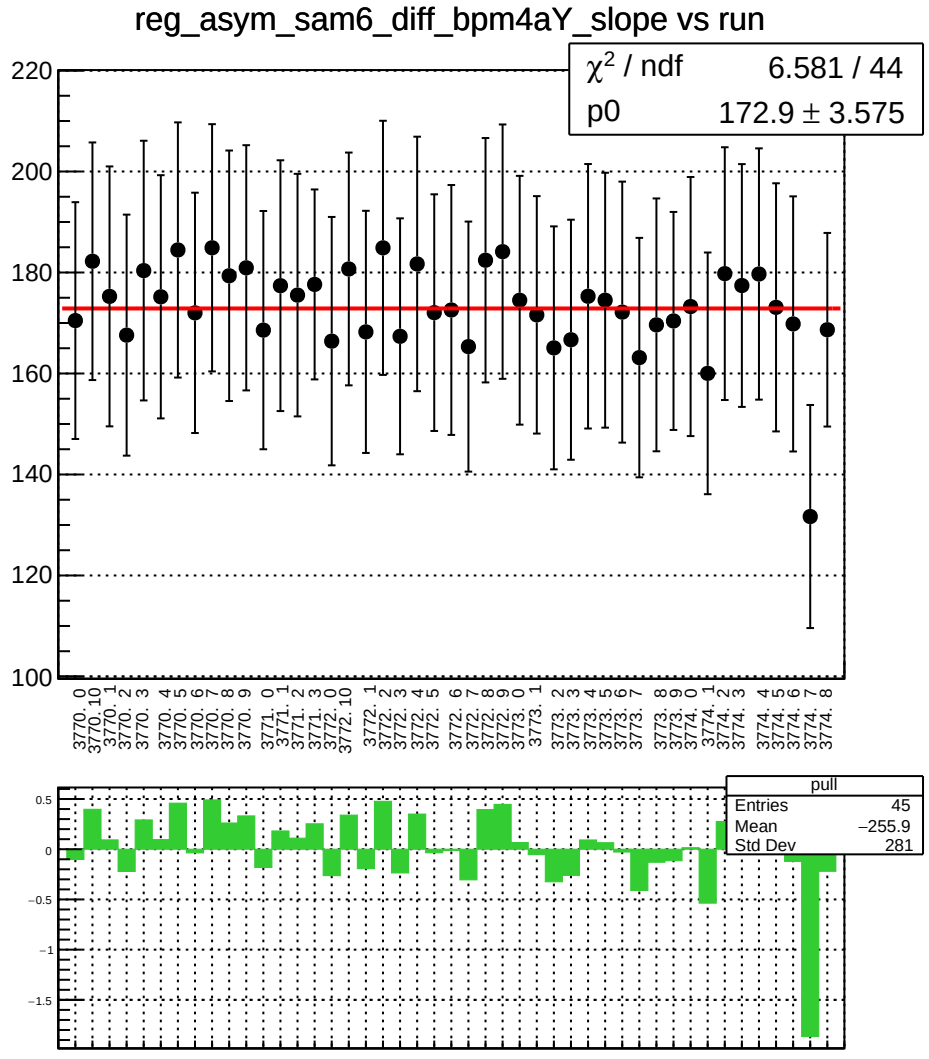

pull1D
Entries 45
Mean 0.004521
Std Dev 0.7746

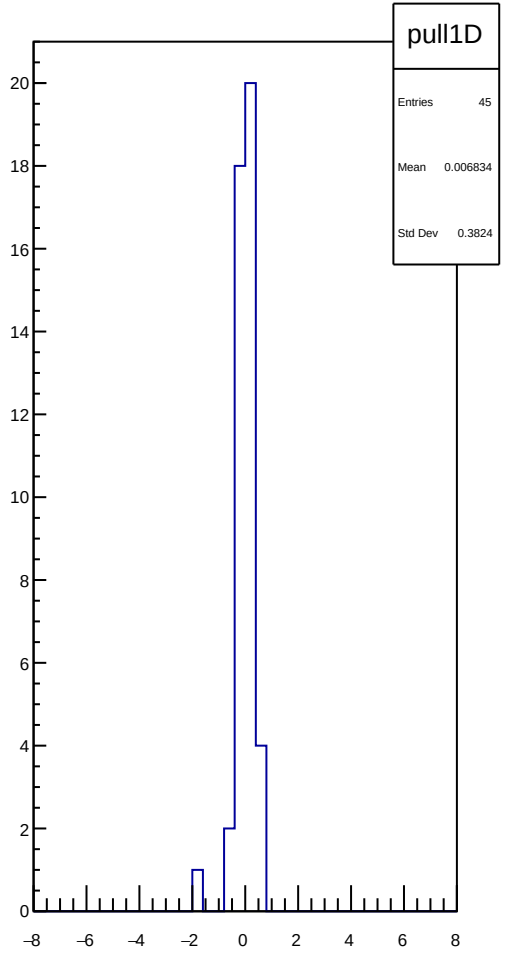

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 27.36 / 44
p0 18.86 ± 2.504
60
40
20
0
−20
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −381
Std Dev 404.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean −0.01173
Std Dev 0.7796
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

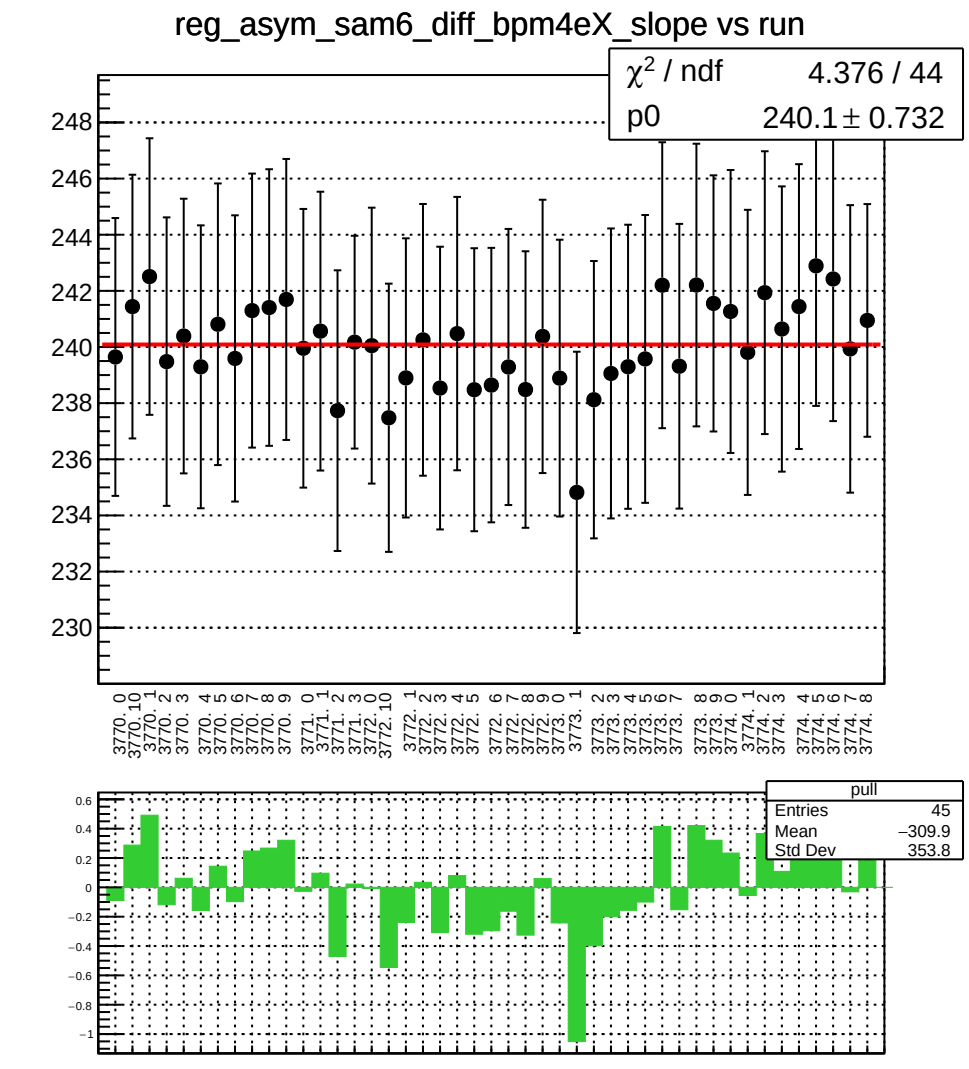

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 7.285 / 44
p0 7.843 ± 0.4487
14
12
10
8
6
4
2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1142
Std Dev 1188
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

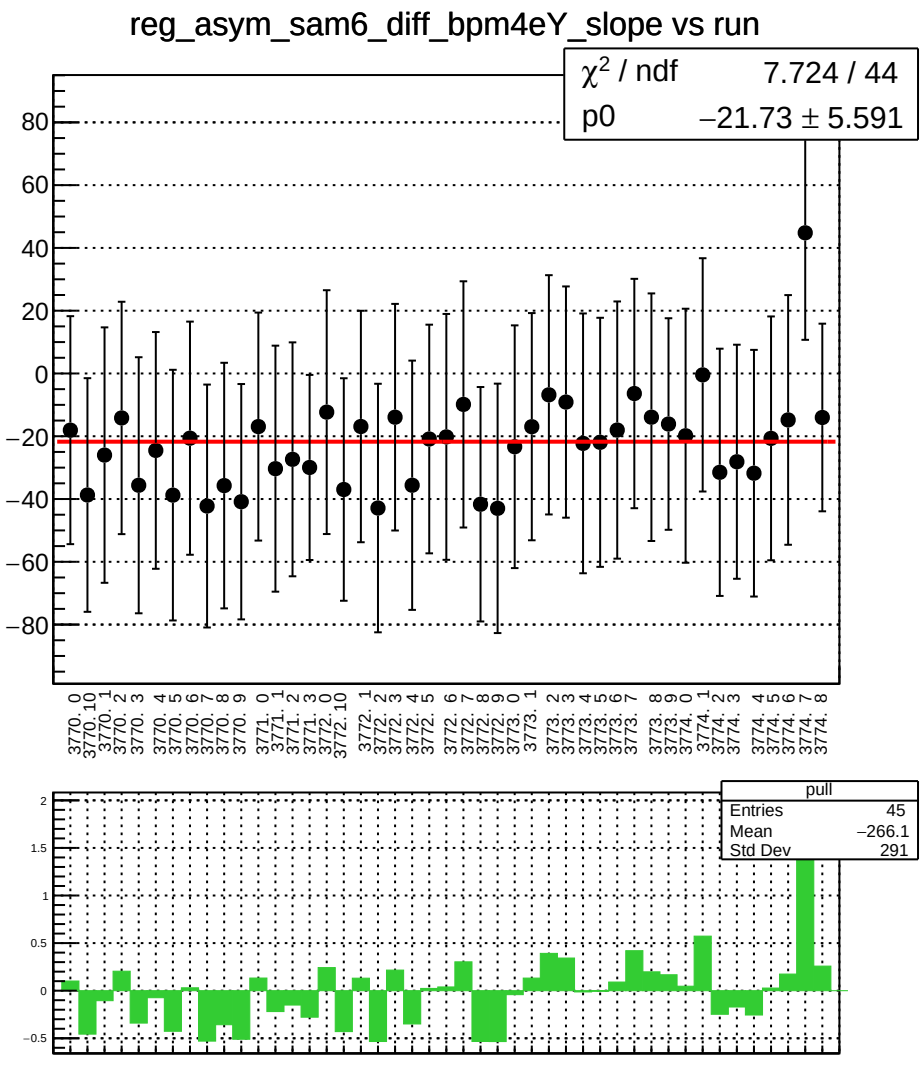

pull1D
Entries 45
Mean 0.0007163
Std Dev 0.4023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

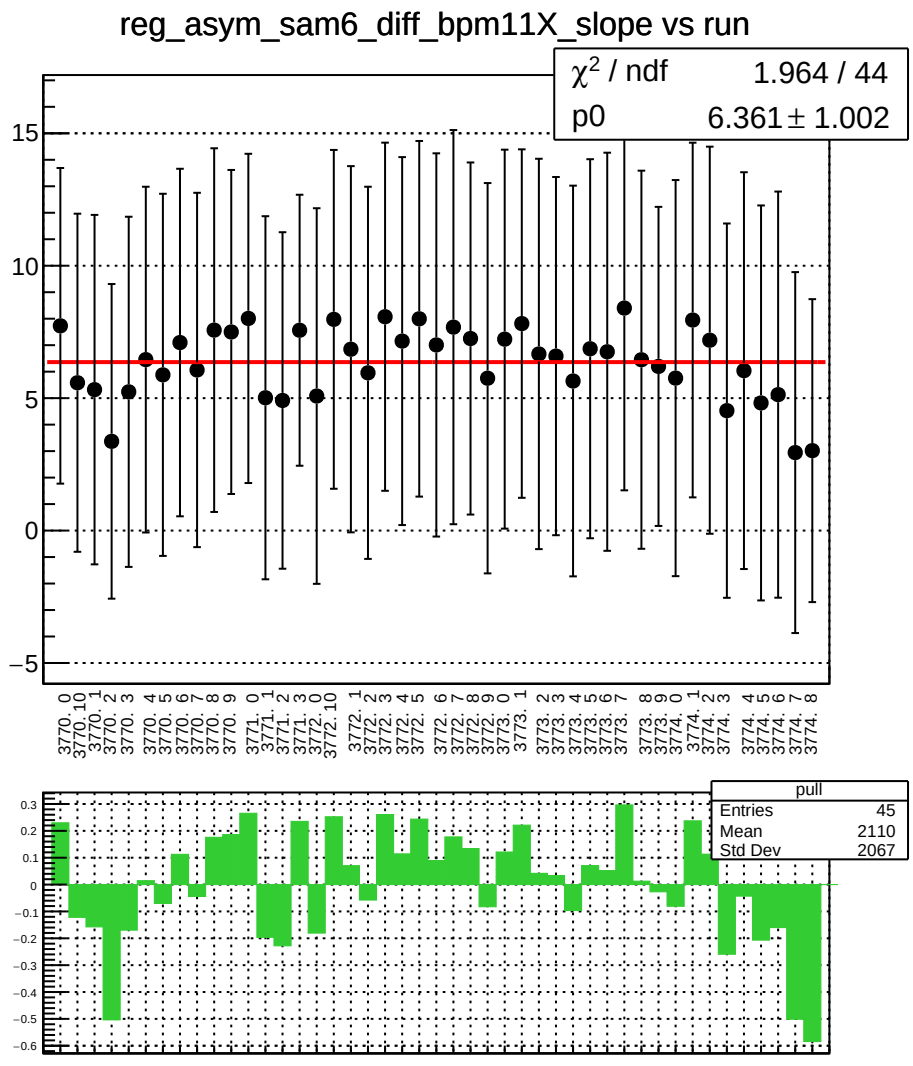

reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 3.787 / 44
p0 −10.7 ± 4.338
40
20
0
−20
−40
−60
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 572.2
Std Dev 547.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean 0.003611
Std Dev 0.2901
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

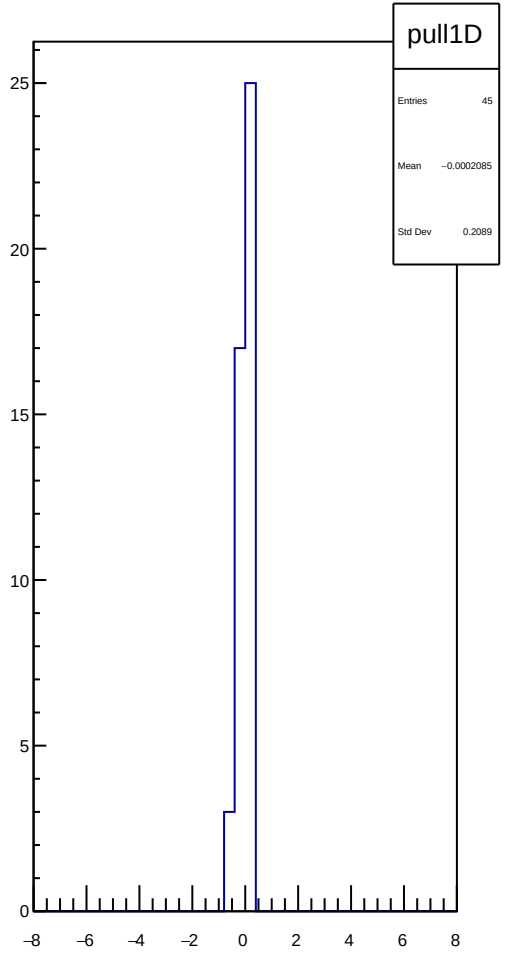

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.581 / 44
p0 172.9 ± 3.575
pull
Entries 45
Mean −255.9
Std Dev 281

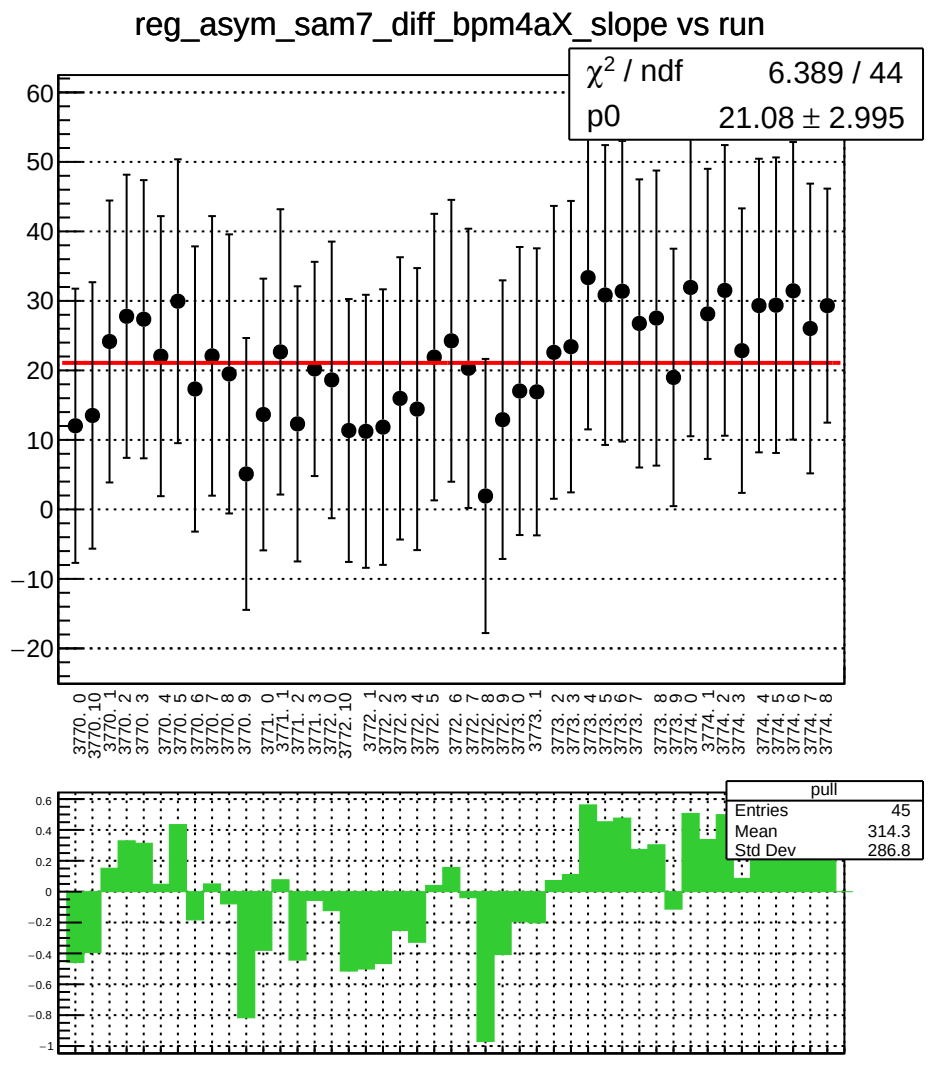

pull1D
Entries 45
Mean 0.006834
Std Dev 0.3824

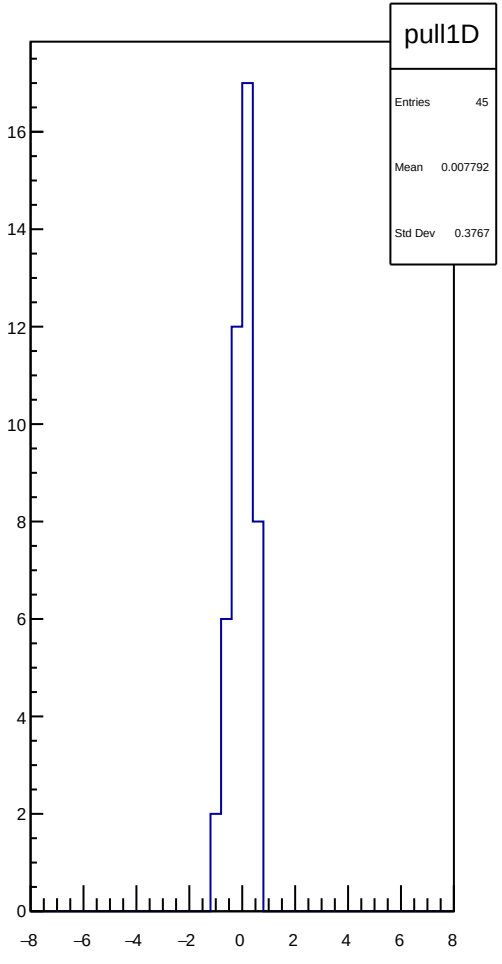

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.376 / 44
p0 240.1 ± 0.732
248
246
244
242
240
238
236
234
232
230
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −309.9
Std Dev 353.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 45
Mean −0.001659
Std Dev 0.3118
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

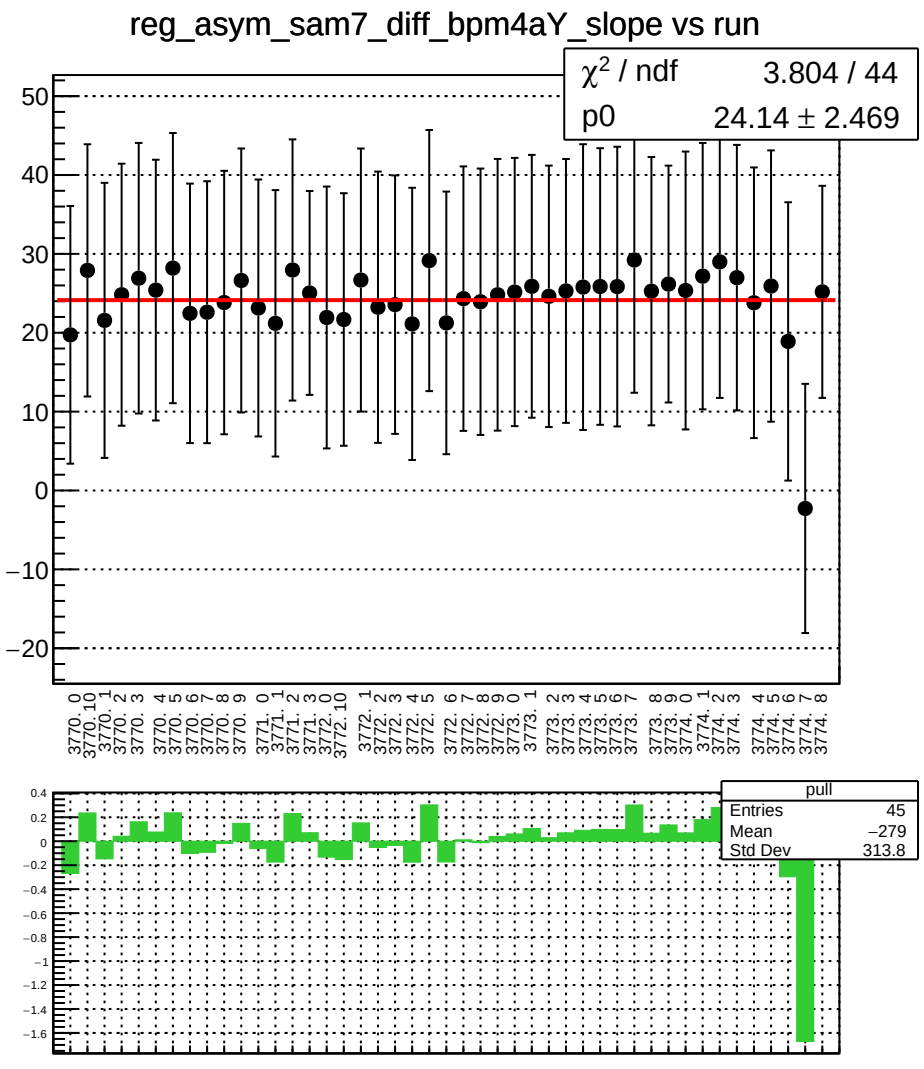

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 7.724 / 44
p0 −21.73 ± 5.591
80
60
40
20
0
−20
−40
−60
−80
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −266.1
Std Dev 291
2
1.5
1
0.5
0
−0.5
pull1D
Entries 45
Mean −0.008119
Std Dev 0.4142
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

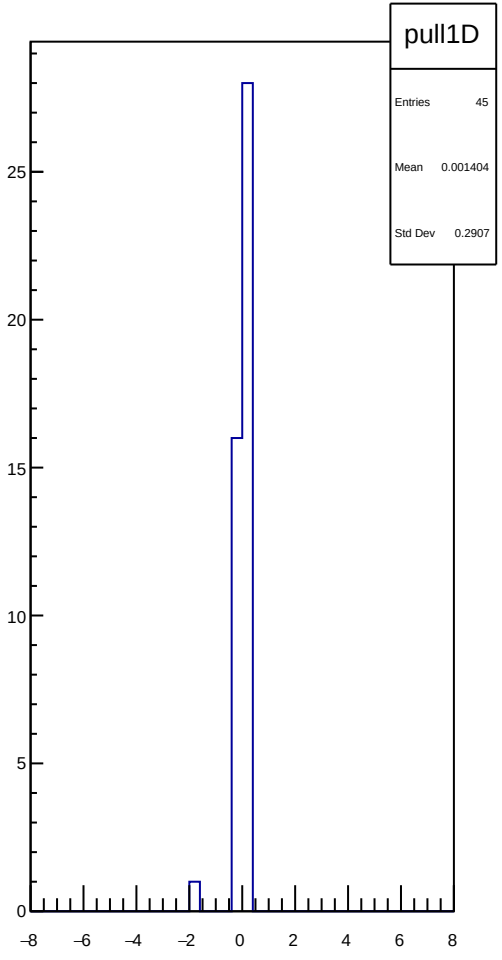

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 1.964 / 44
p0 6.361 ± 1.002
pull
Entries 45
Mean 2110
Std Dev 2067

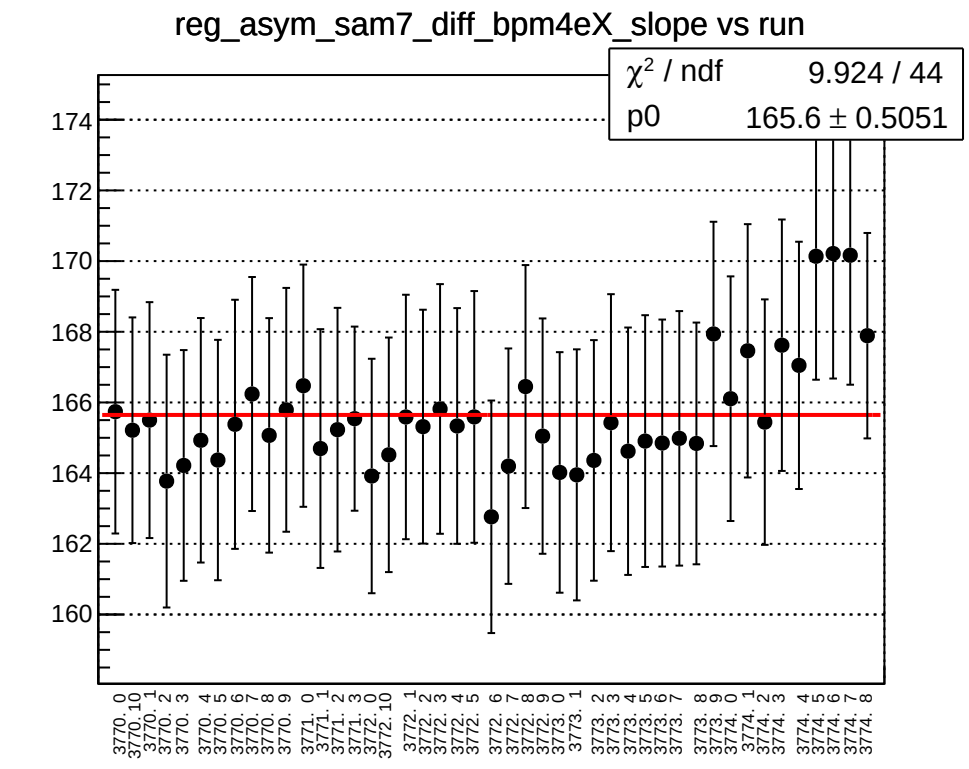

pull1D
Entries 45
Mean −0.0002085
Std Dev 0.2089

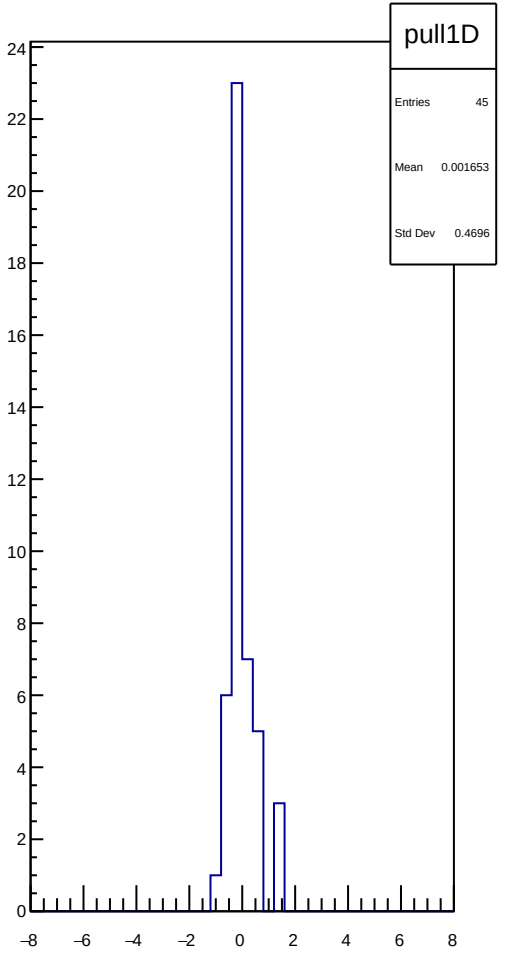

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 6.389 / 44
p0 21.08 ± 2.995
pull
Entries 45
Mean 314.3
Std Dev 286.8

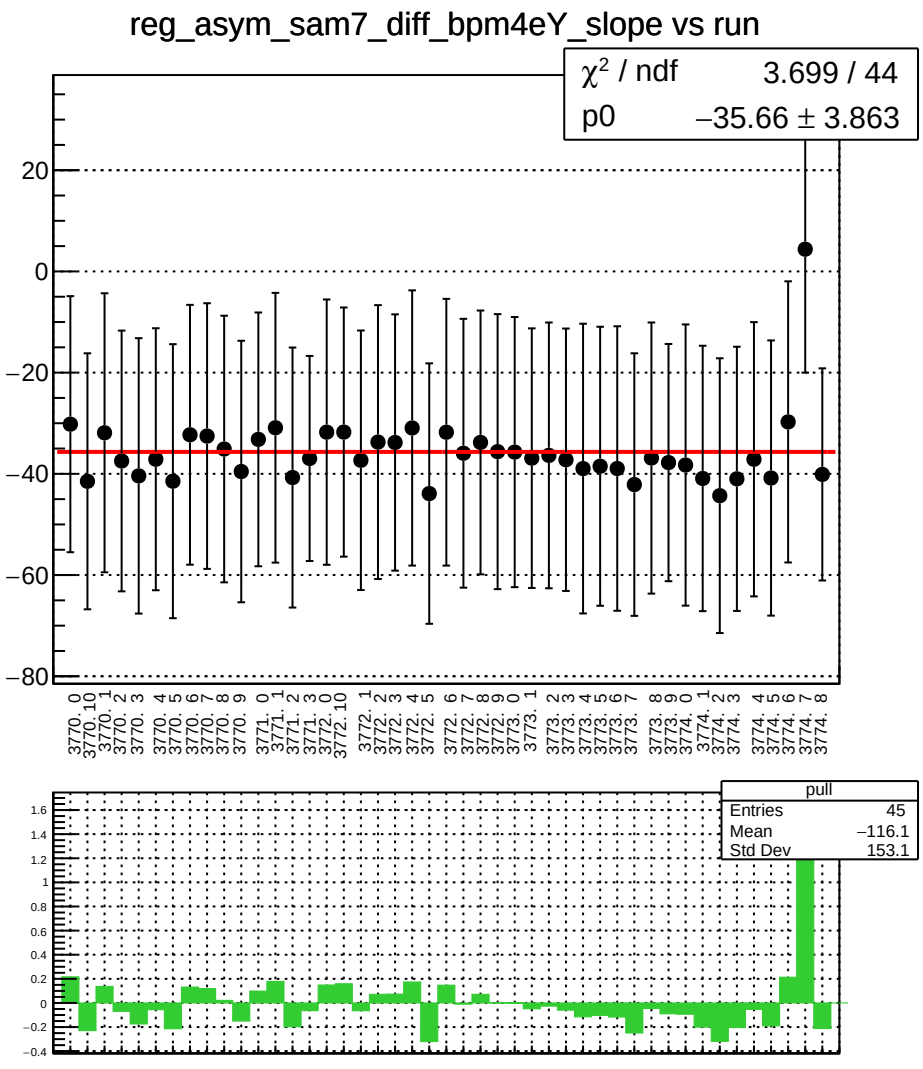

pull1D
Entries 45
Mean 0.007792
Std Dev 0.3767

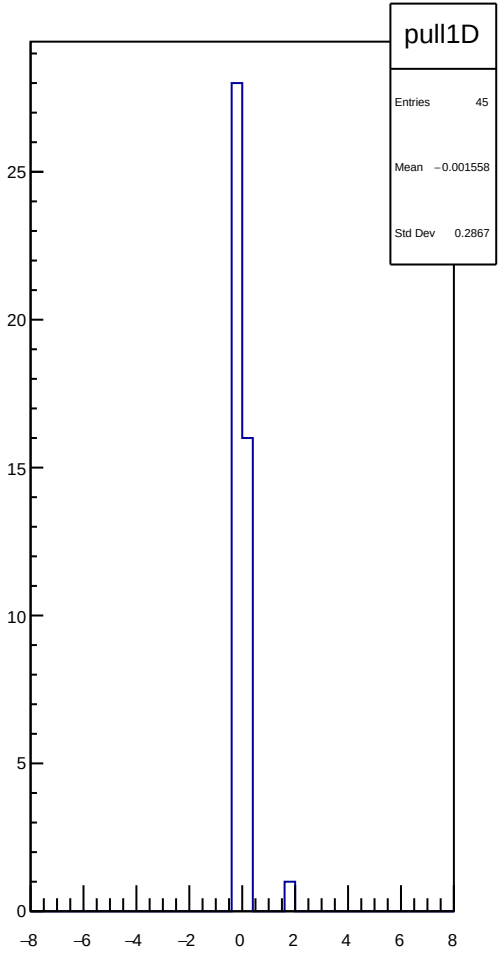

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.804 / 44
p0 24.14 ± 2.469
pull
Entries 45
Mean −279
Std Dev 313.8

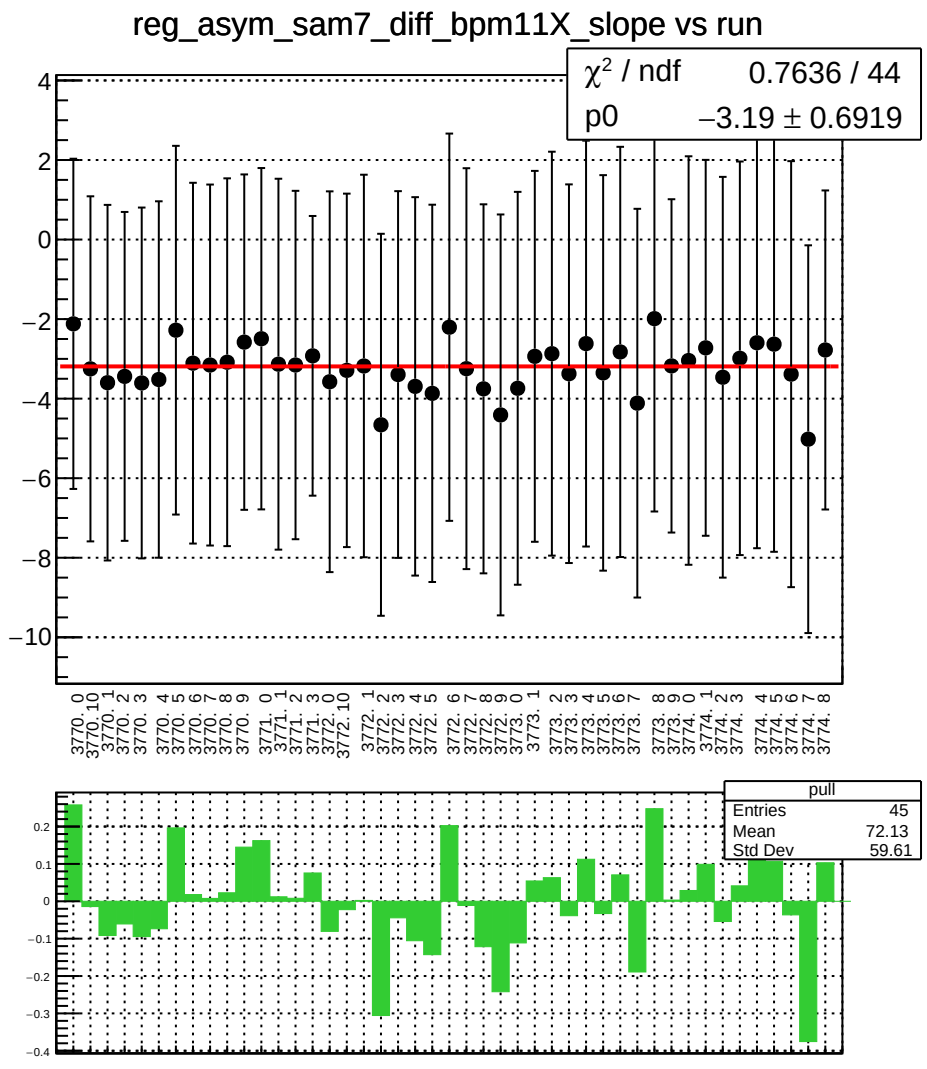

pull1D
Entries 45
Mean 0.001404
Std Dev 0.2907

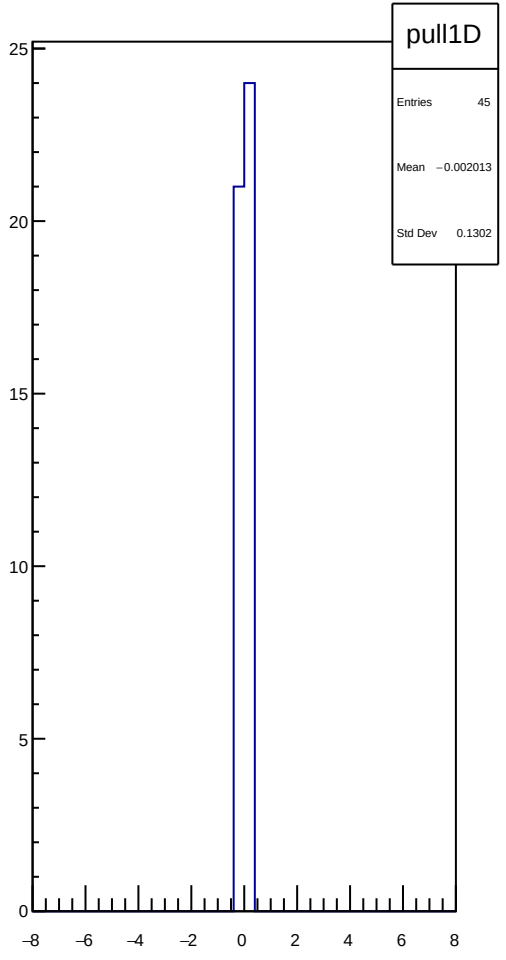

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 9.924 / 44
p0 165.6 ± 0.5051
174
172
170
168
166
164
162
160
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2006
Std Dev 1977
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

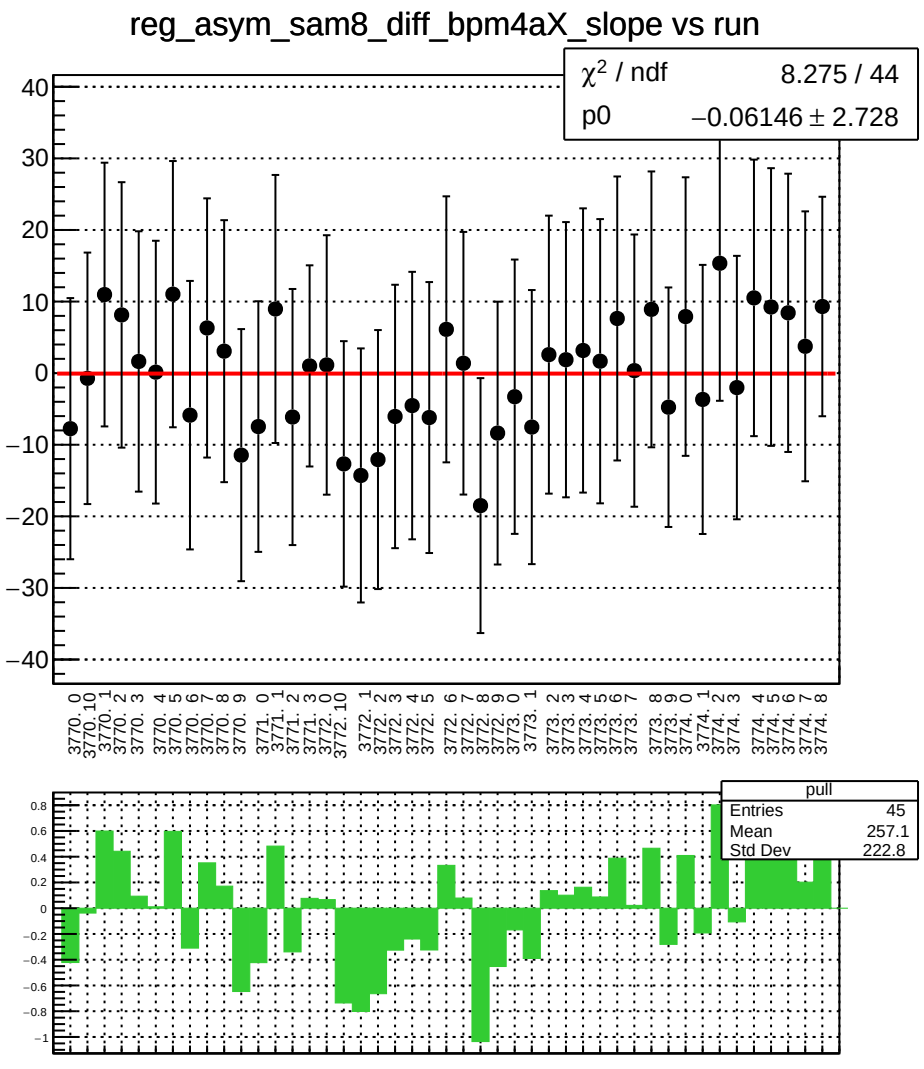

pull1D
Entries 45
Mean 0.001653
Std Dev 0.4696
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

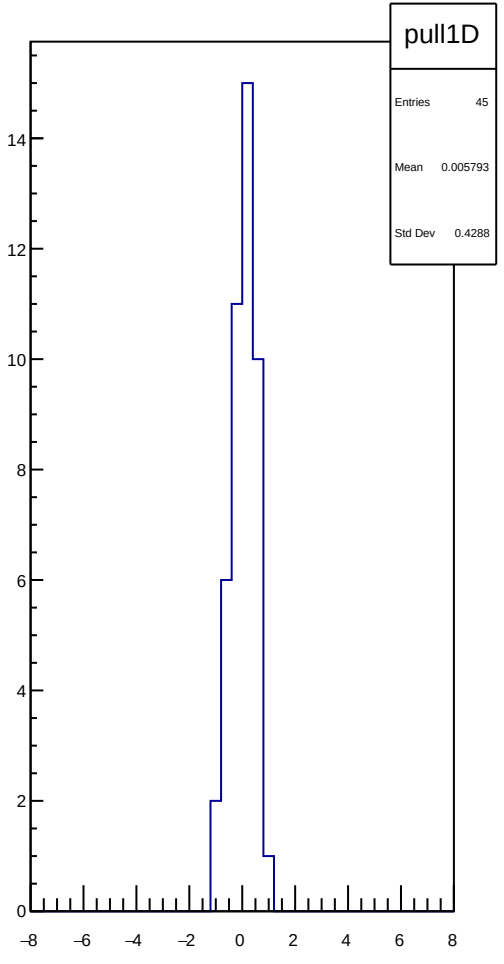

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.699 / 44
p0 −35.66 ± 3.863
pull
Entries 45
Mean −116.1
Std Dev 153.1

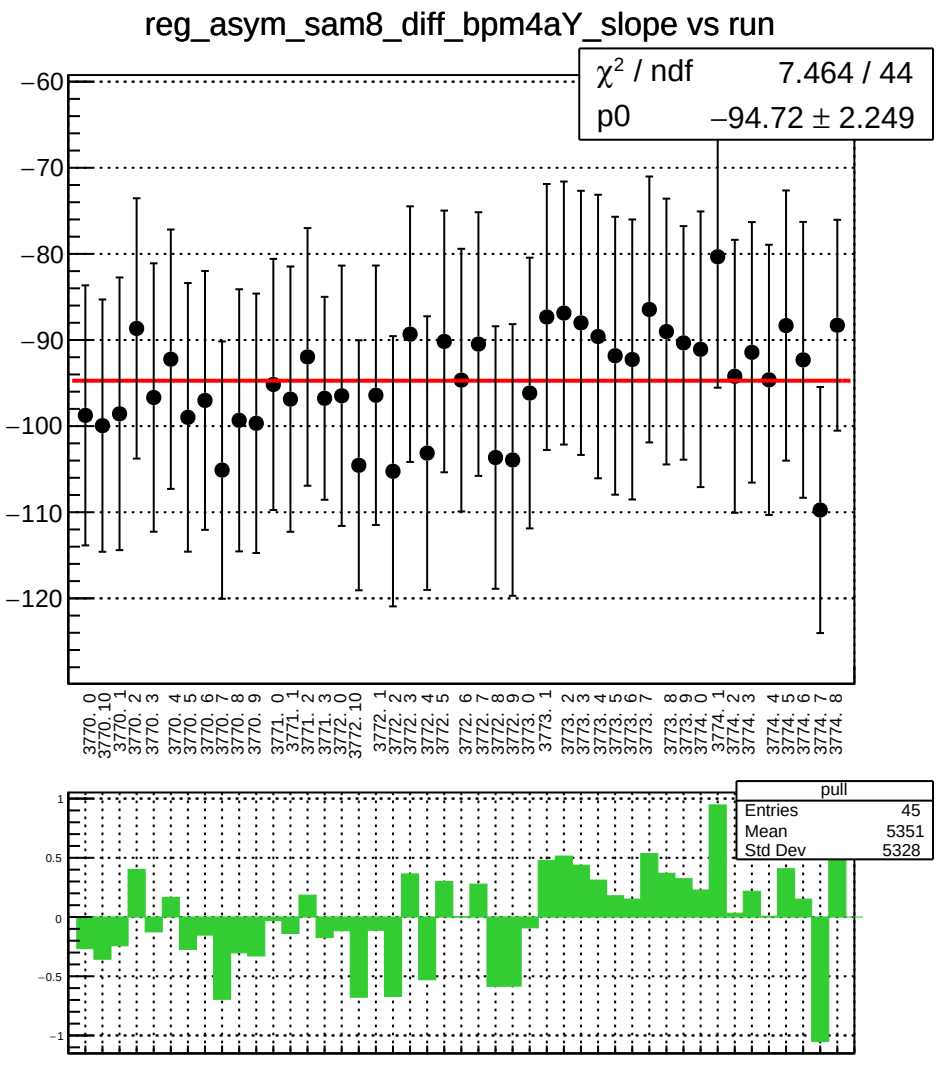

pull1D
Entries 45
Mean −0.001558
Std Dev 0.2867

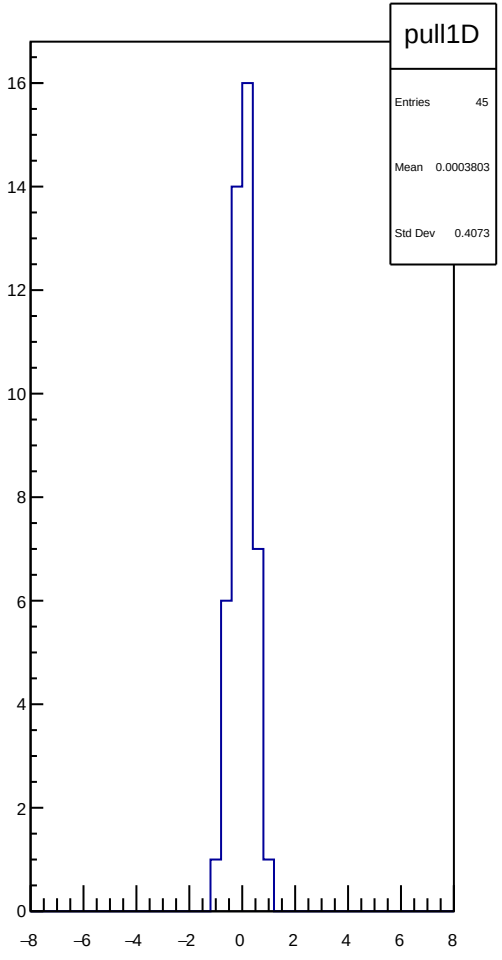

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 0.7636 / 44
p0 −3.19 ± 0.6919
pull
Entries 45
Mean 72.13
Std Dev 59.61

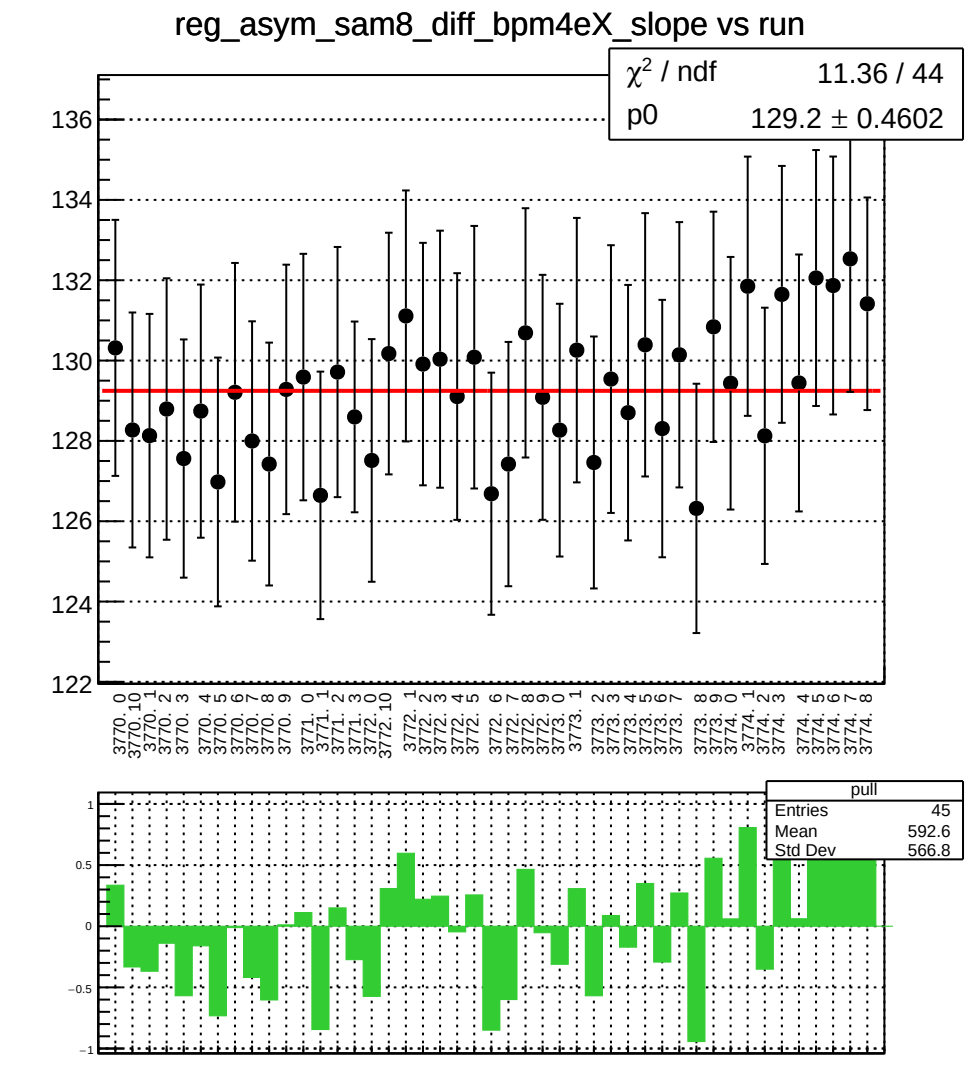

pull1D
Entries 45
Mean −0.002013
Std Dev 0.1302

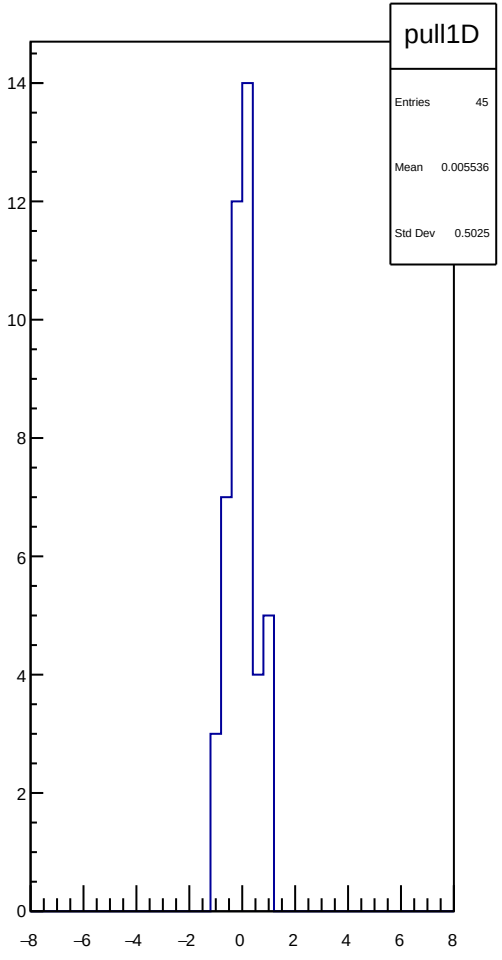

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 8.275 / 44
p0 −0.06146 ± 2.728
pull
Entries 45
Mean 257.1
Std Dev 222.8

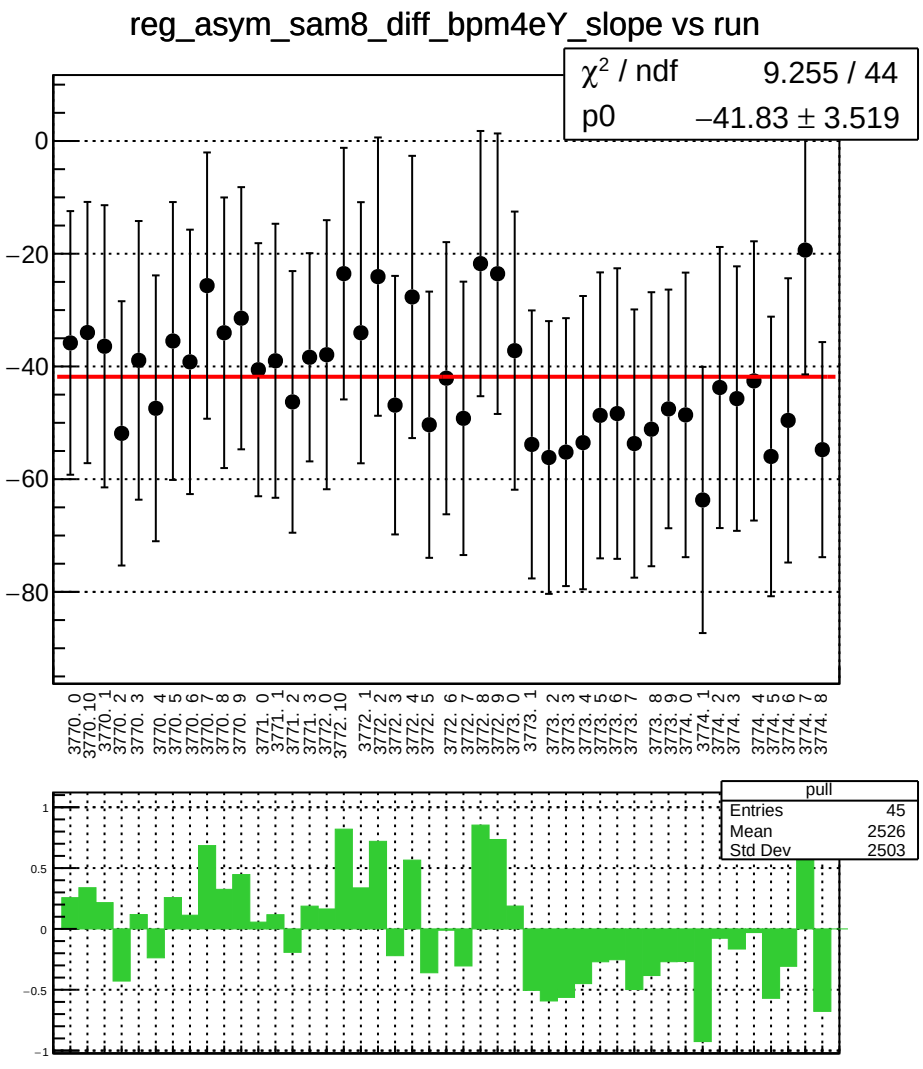

pull1D
Entries 45
Mean 0.005793
Std Dev 0.4288

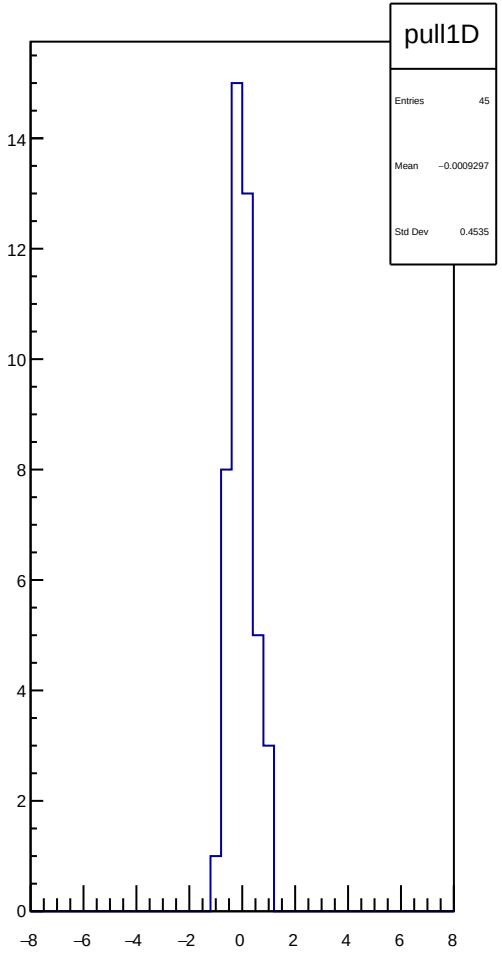

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 7.464 / 44
p0 −94.72 ± 2.249
−60
−70
−80
−90
−100
−110
−120
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 5351
Std Dev 5328
1
0.5
0
−0.5
−1

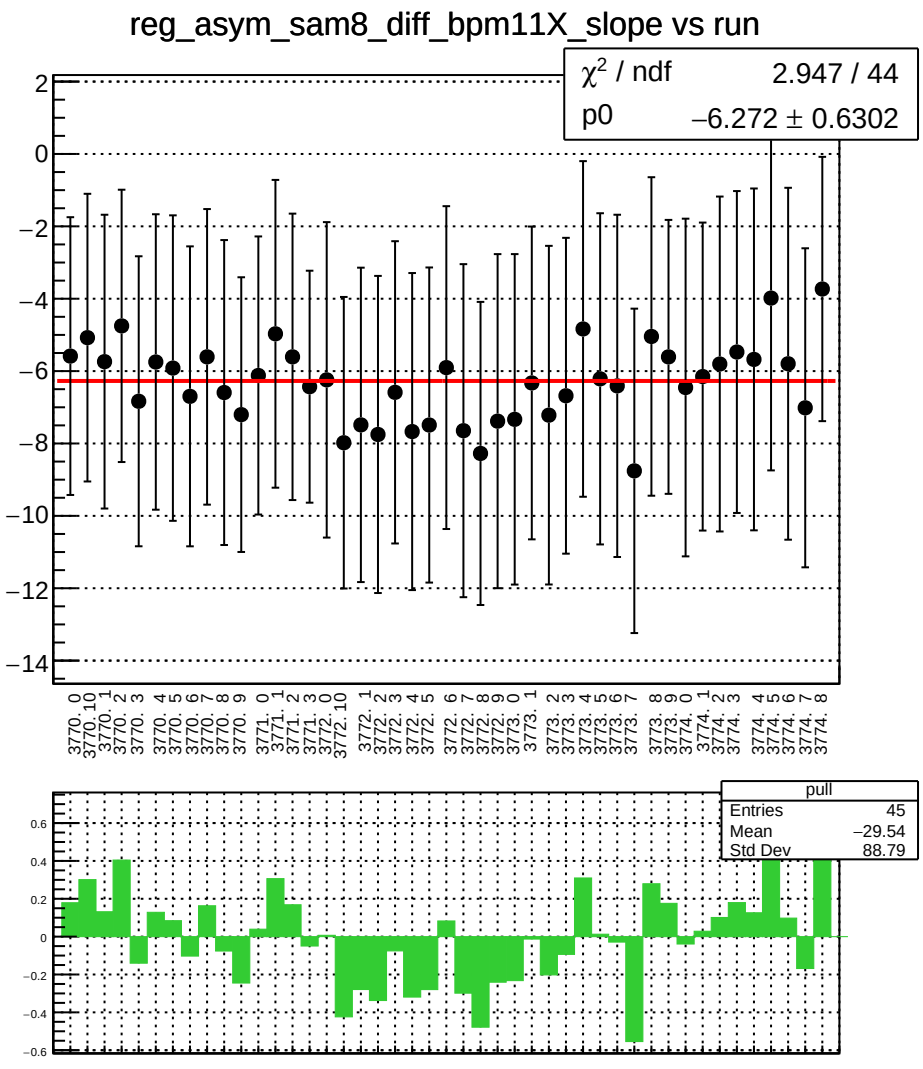

pull1D
Entries 45
Mean 0.0003803
Std Dev 0.4073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

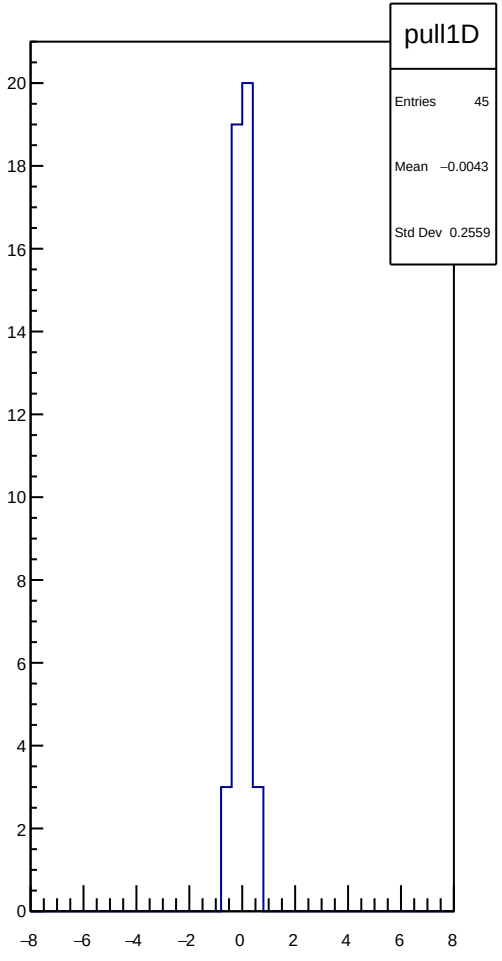

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 11.36 / 44
p0 129.2 ± 0.4602
136
134
132
130
128
126
124
122
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 592.6
Std Dev 566.8
1
0.5
0
−0.5
−1

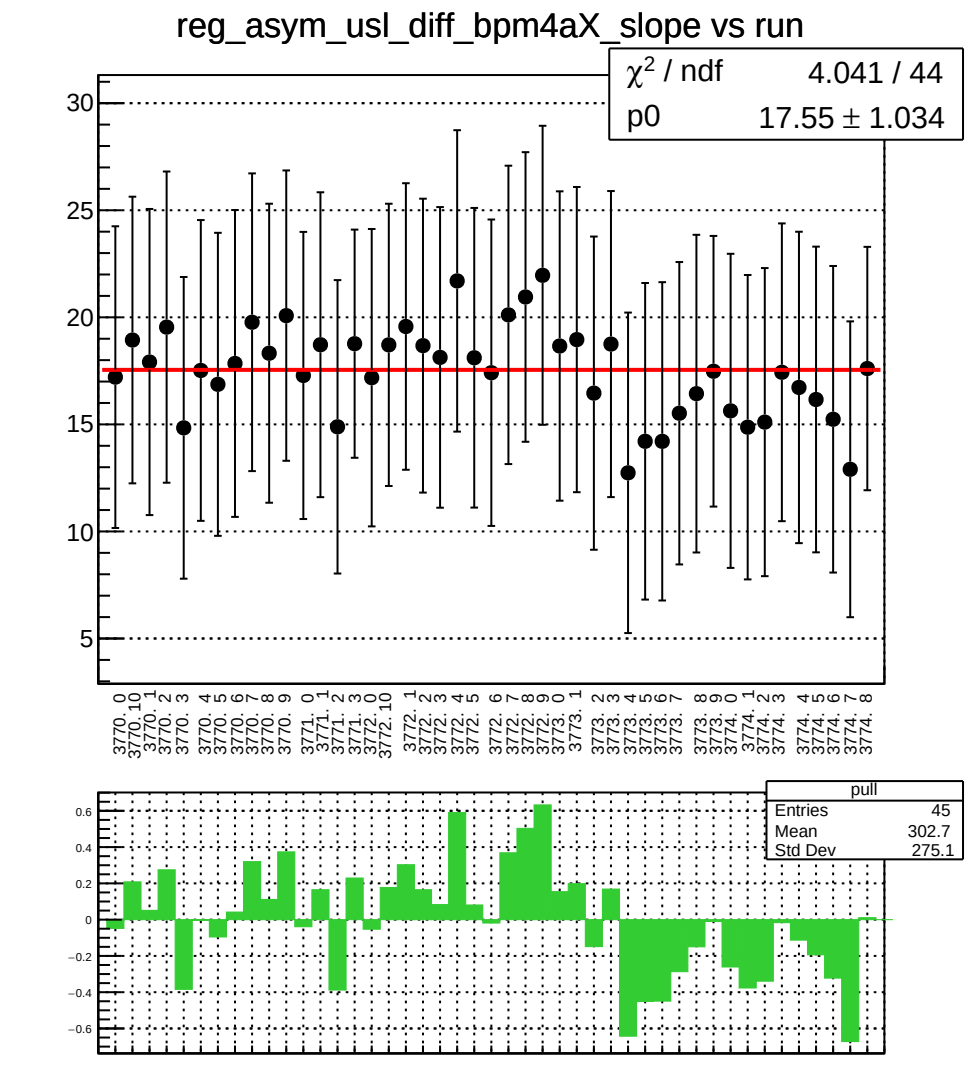

pull1D
Entries 45
Mean 0.005536
Std Dev 0.5025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

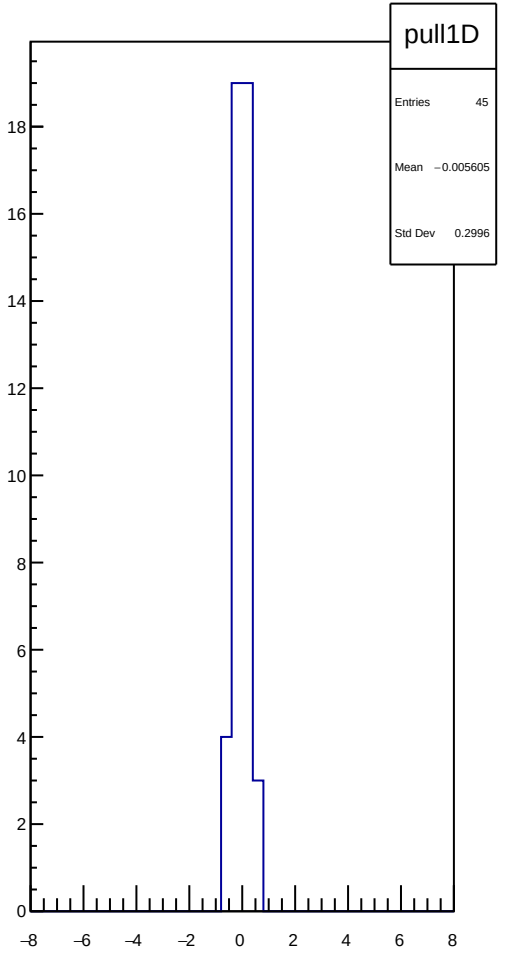

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 9.255 / 44
p0 −41.83 ± 3.519
0
−20
−40
−60
−80
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2526
Std Dev 2503
1
0.5
0
−0.5
−1

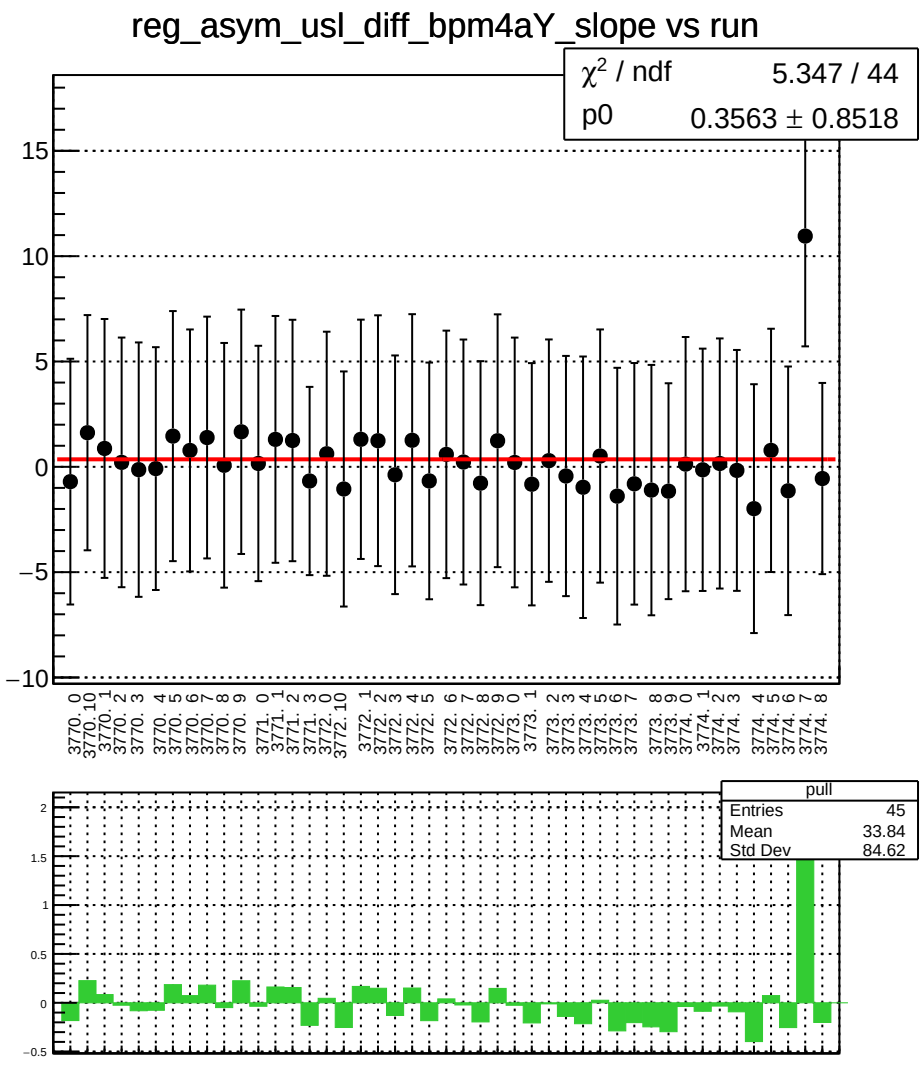

pull1D
Entries 45
Mean −0.0009297
Std Dev 0.4535
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

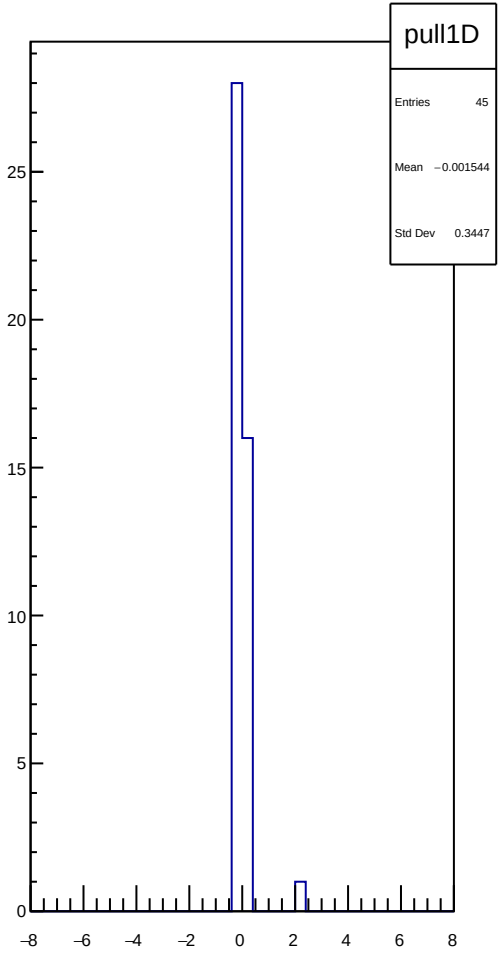

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 2.947 / 44
p0 −6.272 ± 0.6302
pull
Entries 45
Mean −29.54
Std Dev 88.79

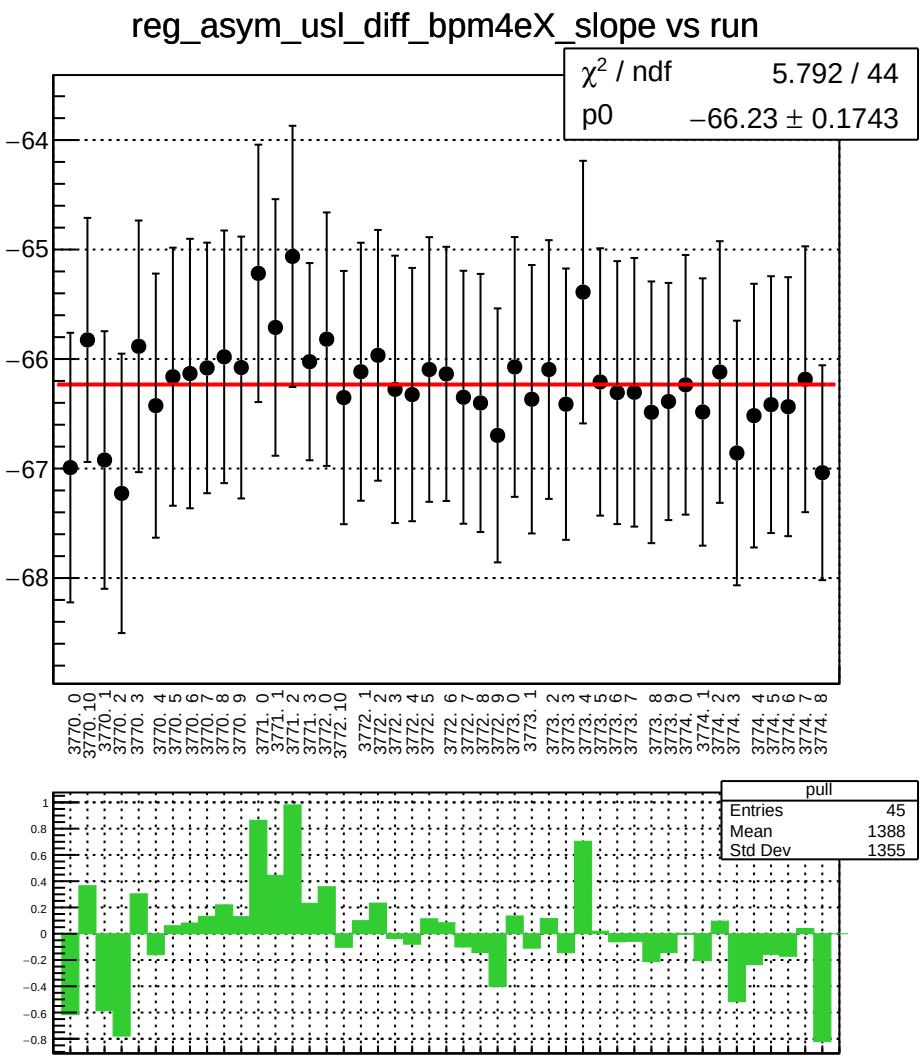

pull1D
Entries 45
Mean −0.0043
Std Dev 0.2559

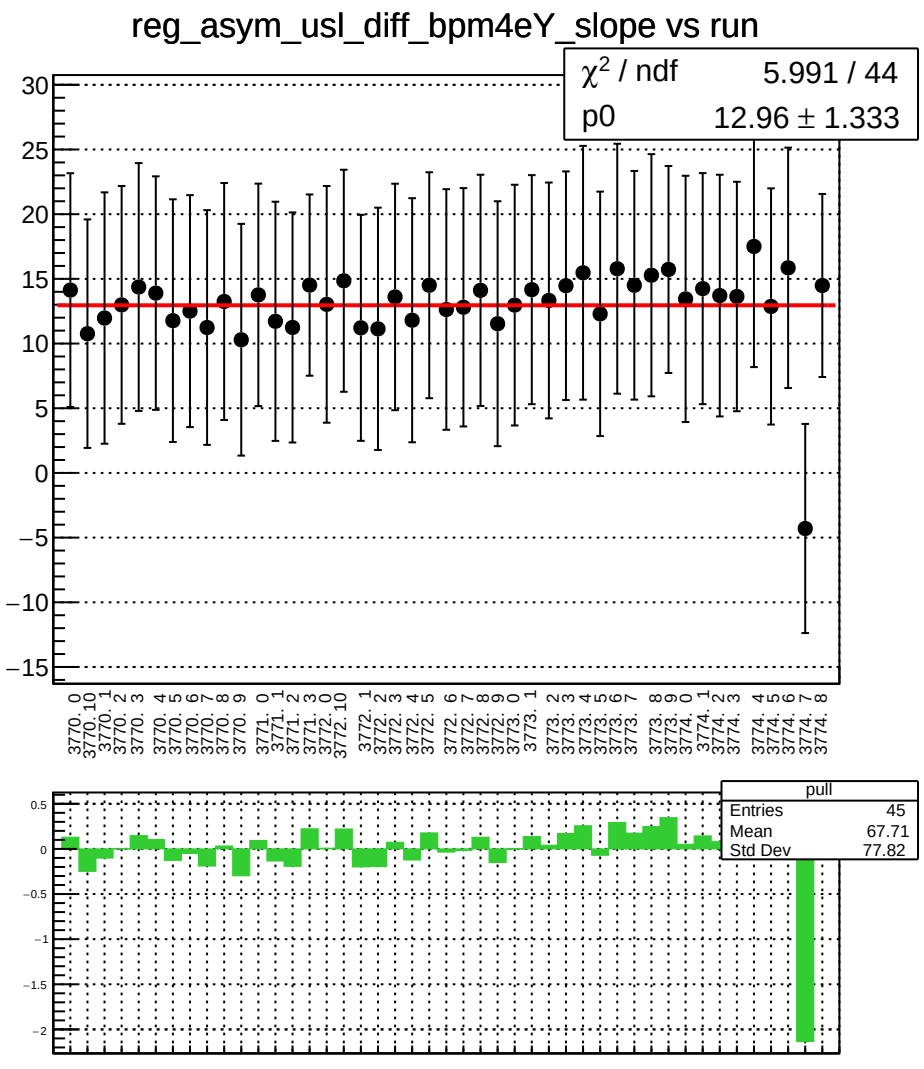

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 4.041 / 44
p0 17.55 ± 1.034
30
25
20
15
10
5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 302.7
Std Dev 275.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

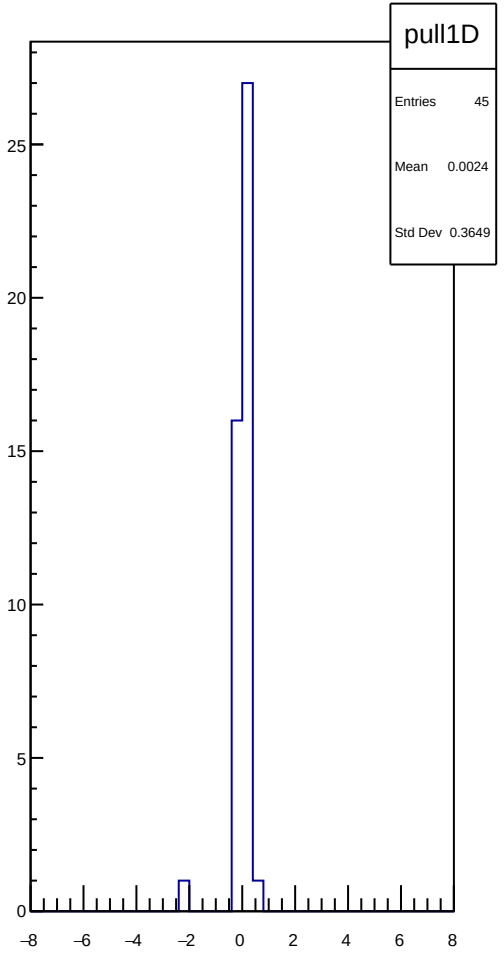

pull1D
Entries 45
Mean −0.005605
Std Dev 0.2996
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

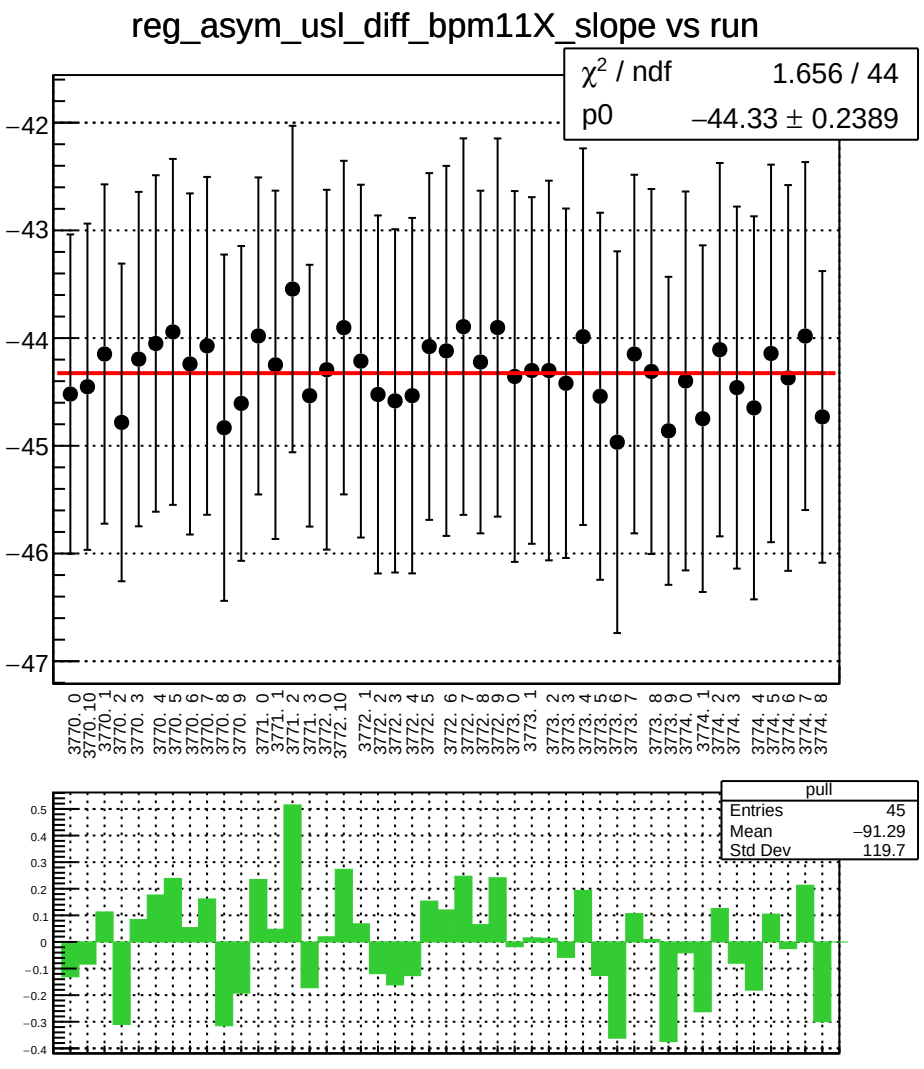

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 5.347 / 44
p0 0.3563 ± 0.8518
15
10
5
0
−5
−10
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 33.84
Std Dev 84.62
2
1.5
1
0.5
0
−0.5

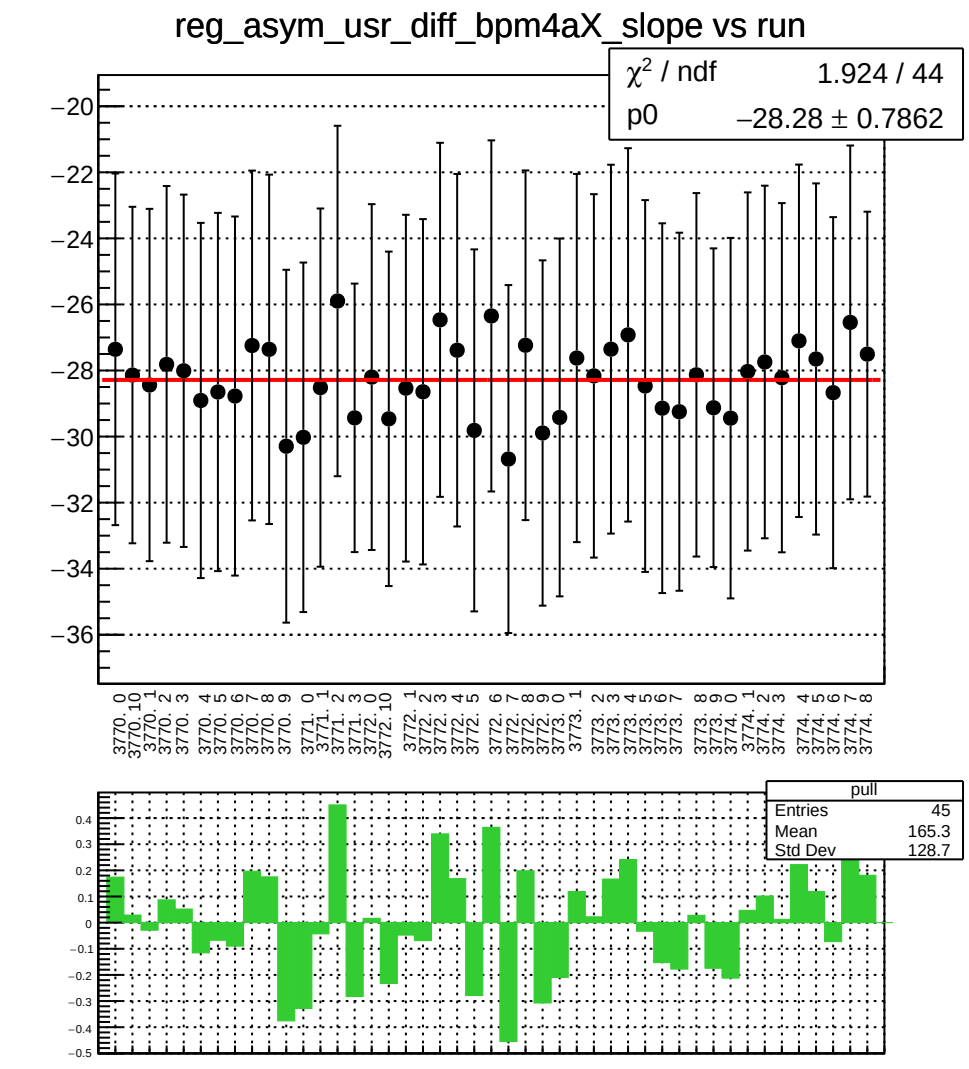

pull1D
Entries 45
Mean −0.001544
Std Dev 0.3447
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

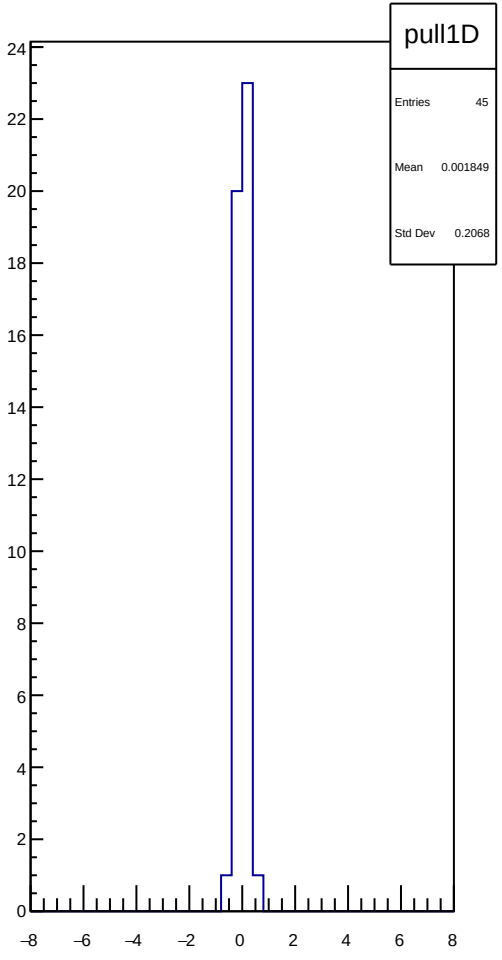

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 5.792 / 44
p0 −66.23 ± 0.1743
−64
−65
−66
−67
−68
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1388
Std Dev 1355
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.0007586
Std Dev 0.3588
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

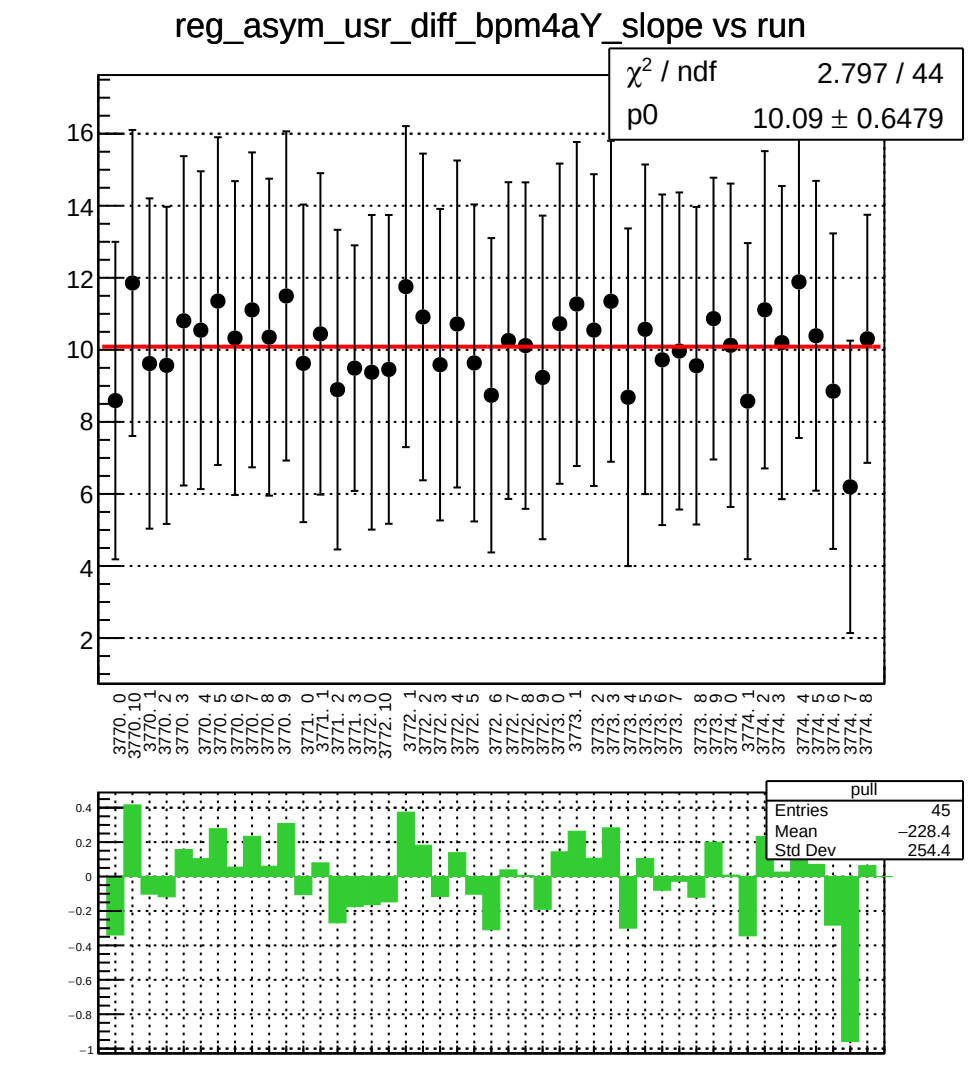

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 5.991 / 44
p0 12.96 ± 1.333
pull
Entries 45
Mean 67.71
Std Dev 77.82

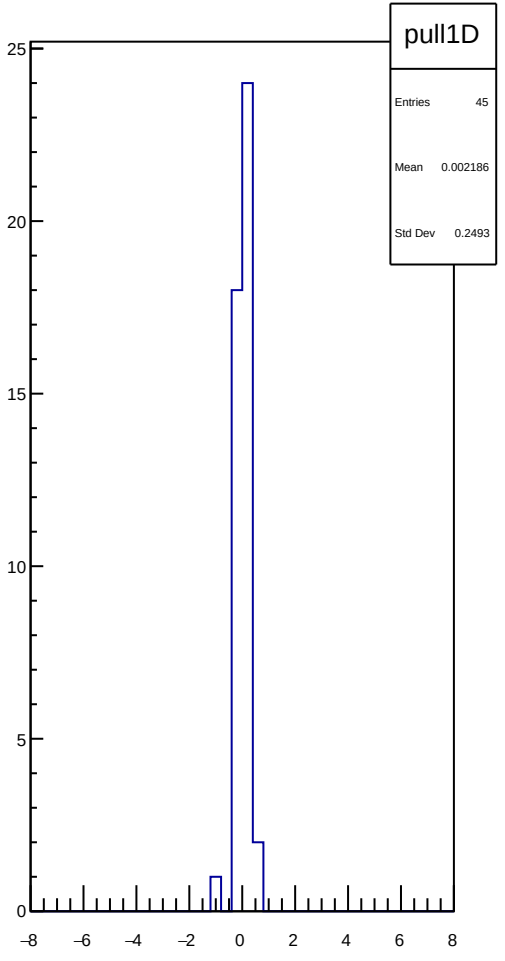

pull1D
Entries 45
Mean 0.0024
Std Dev 0.3649

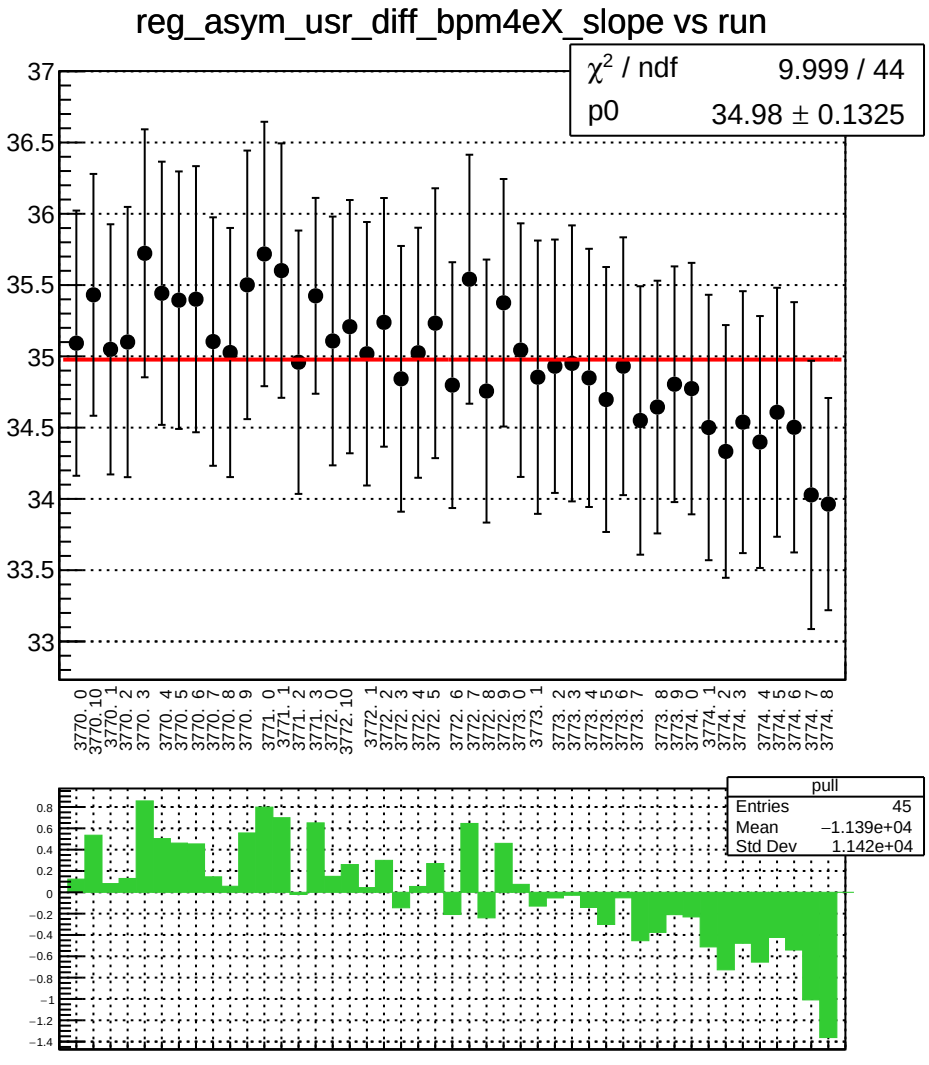

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 1.656 / 44
p0 −44.33 ± 0.2389
−42
−43
−44
−45
−46
−47
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −91.29
Std Dev 119.7
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 45
Mean 0.003485
Std Dev 0.1918
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

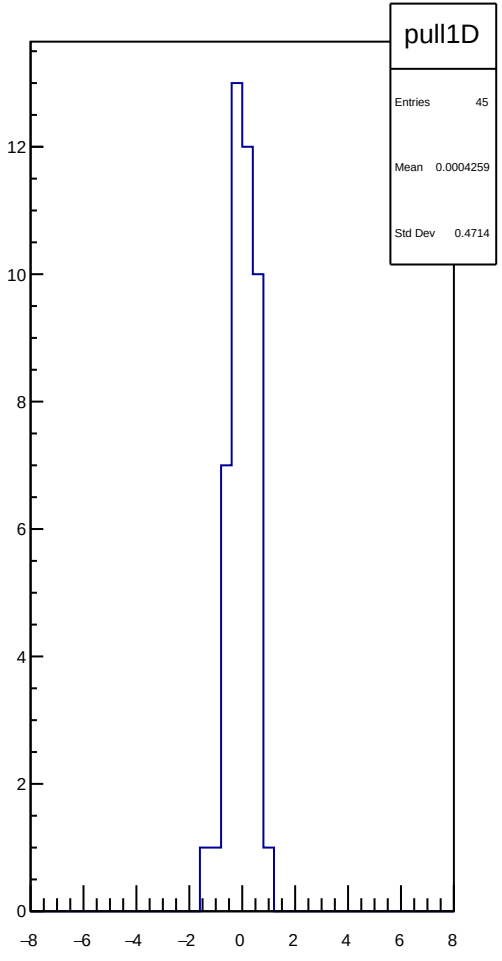

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 1.924 / 44
p0 −28.28 ± 0.7862
pull
Entries 45
Mean 165.3
Std Dev 128.7

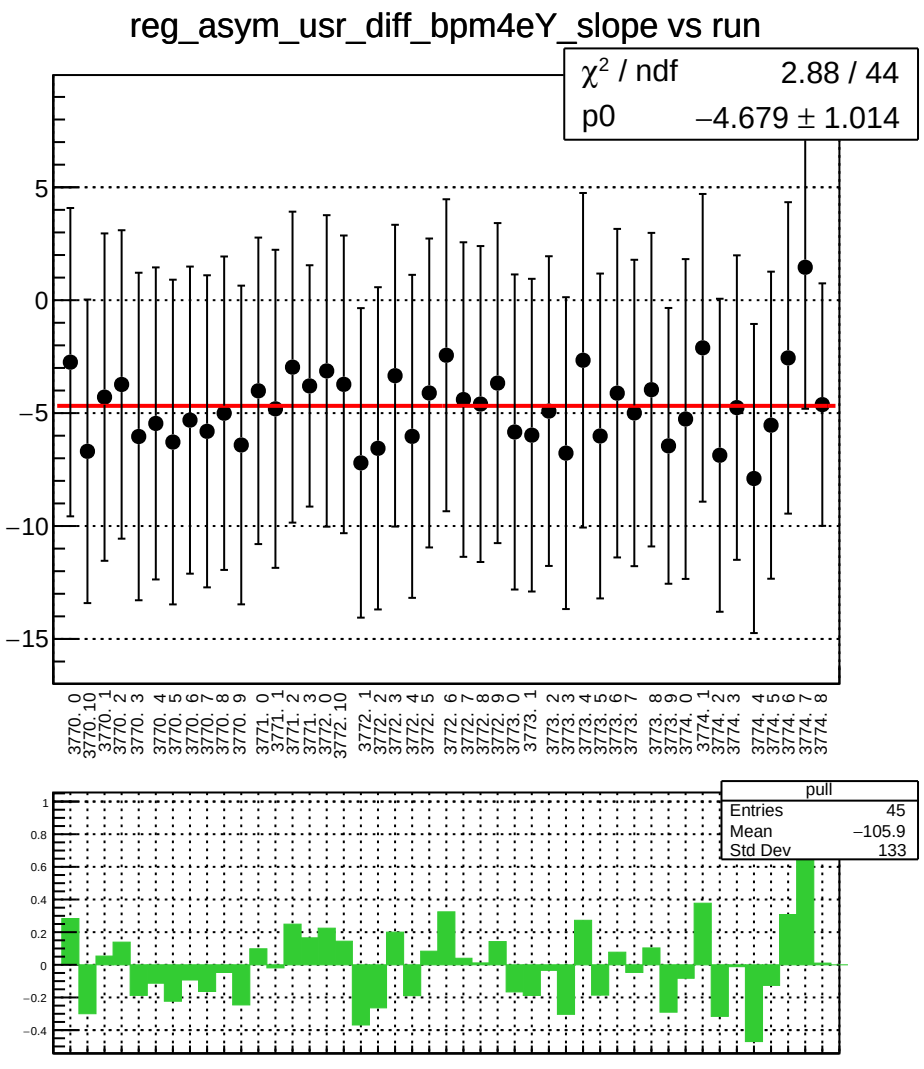

pull1D
Entries 45
Mean 0.001849
Std Dev 0.2068

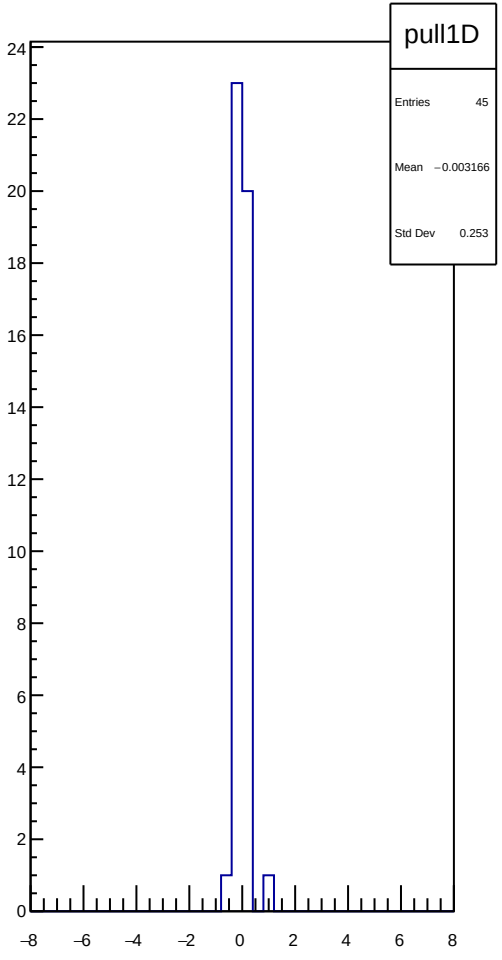

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 2.797 / 44
p0 10.09 ± 0.6479
pull
Entries 45
Mean −228.4
Std Dev 254.4

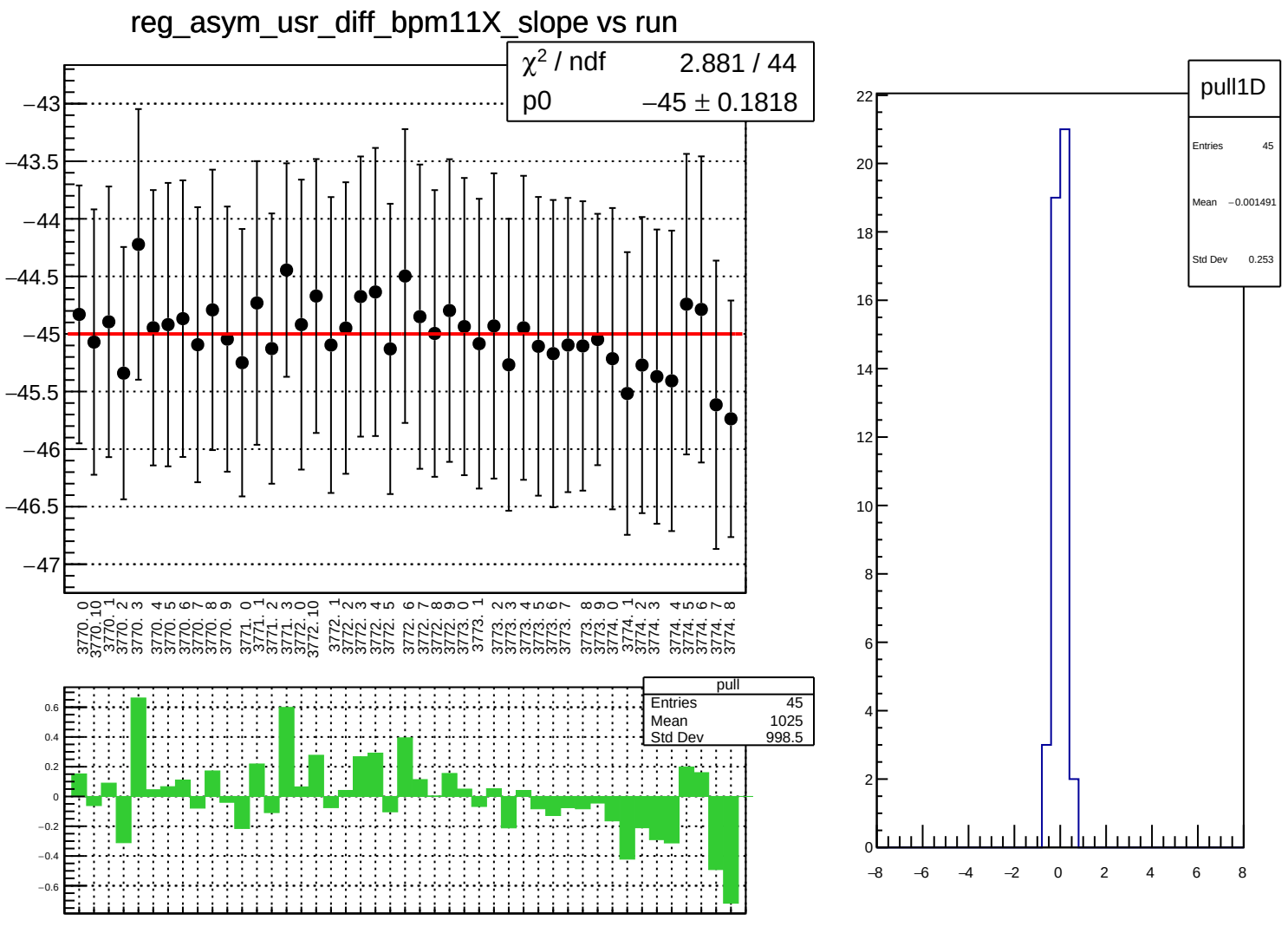

pull1D
Entries 45
Mean 0.002186
Std Dev 0.2493

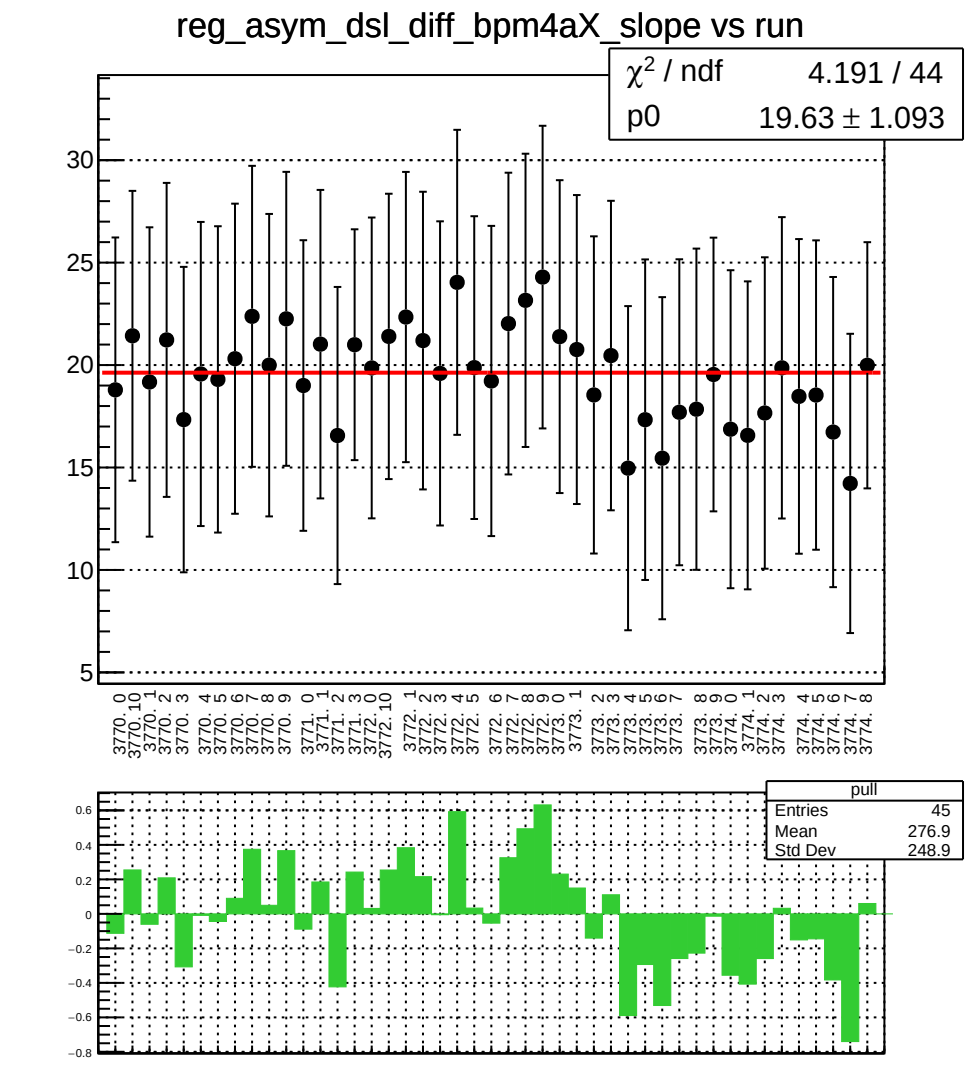

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 9.999 / 44
p0 34.98 ± 0.1325
pull
Entries 45
Mean −1.139e+04
Std Dev 1.142e+04

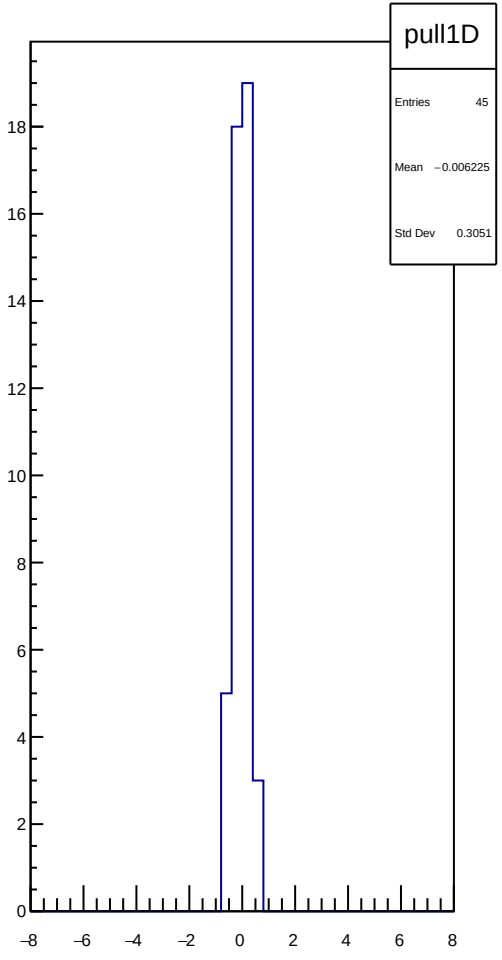

pull1D
Entries 45
Mean 0.0004259
Std Dev 0.4714

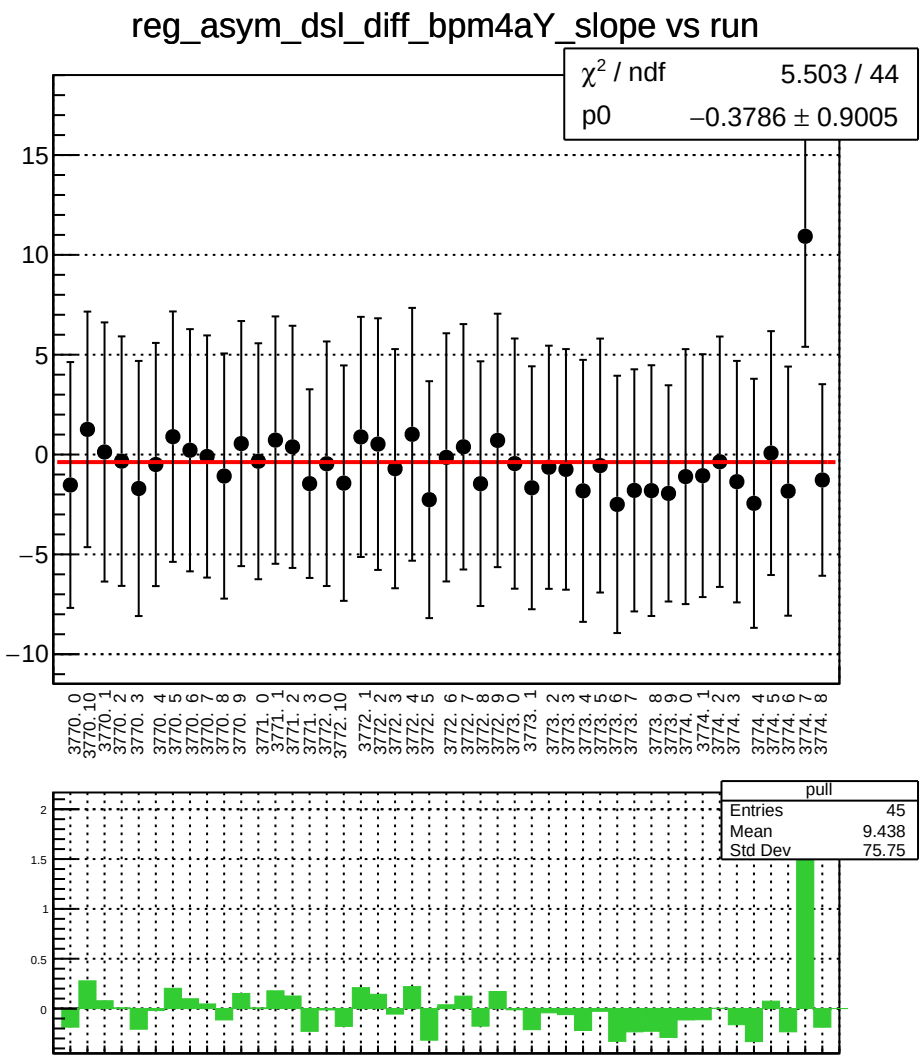

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 2.88 / 44
p0 −4.679 ± 1.014
pull
Entries 45
Mean −105.9
Std Dev 133

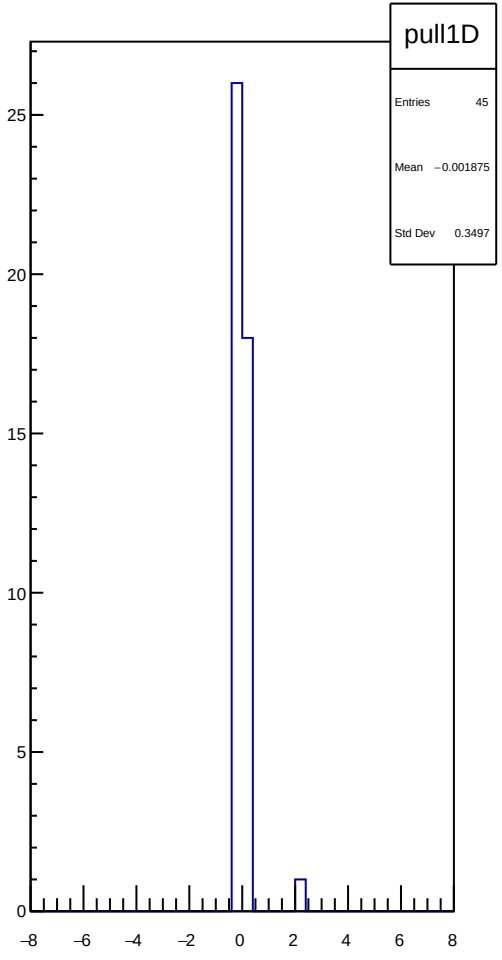

pull1D
Entries 45
Mean −0.003166
Std Dev 0.253

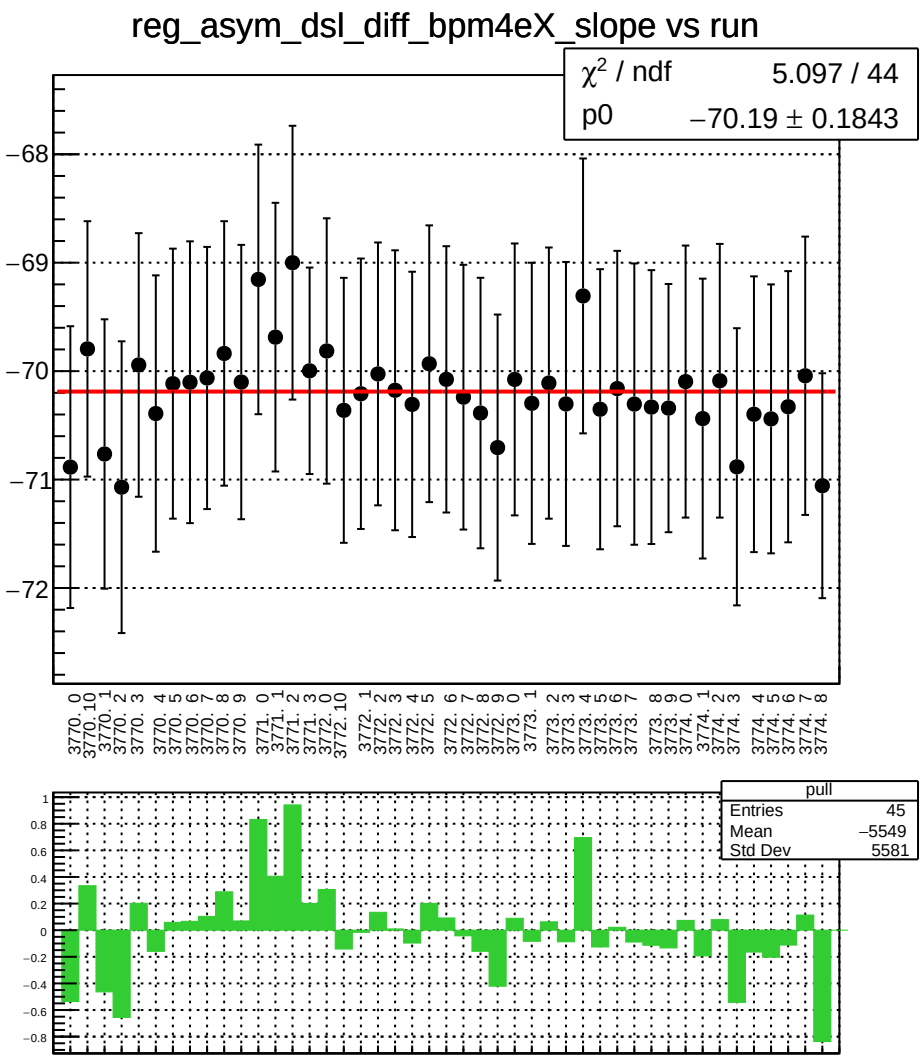

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 2.881 / 44
p0 −45 ± 0.1818
−43
−43.5
−44
−44.5
−45
−45.5
−46
−46.5
−47
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1025
Std Dev 998.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.001491
Std Dev 0.253
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

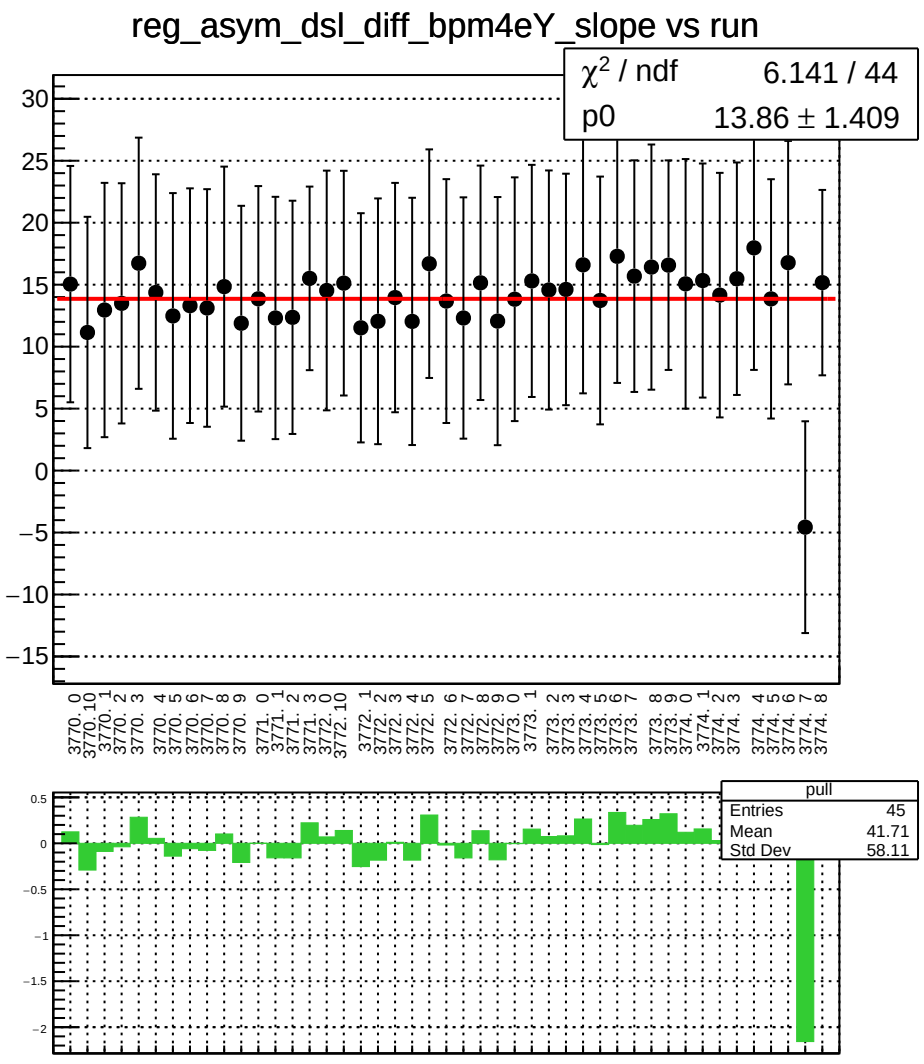

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 4.191 / 44
p0 19.63 ± 1.093
pull
Entries 45
Mean 276.9
Std Dev 248.9

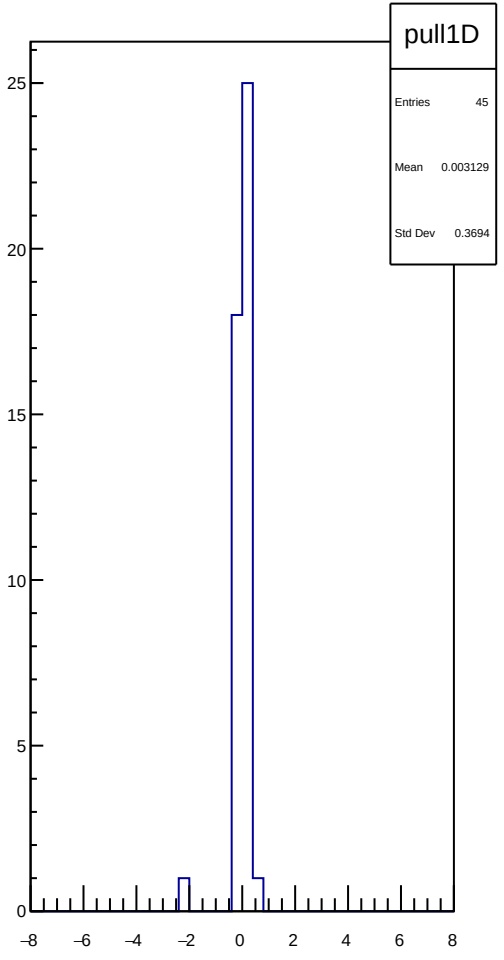

pull1D
Entries 45
Mean −0.006225
Std Dev 0.3051

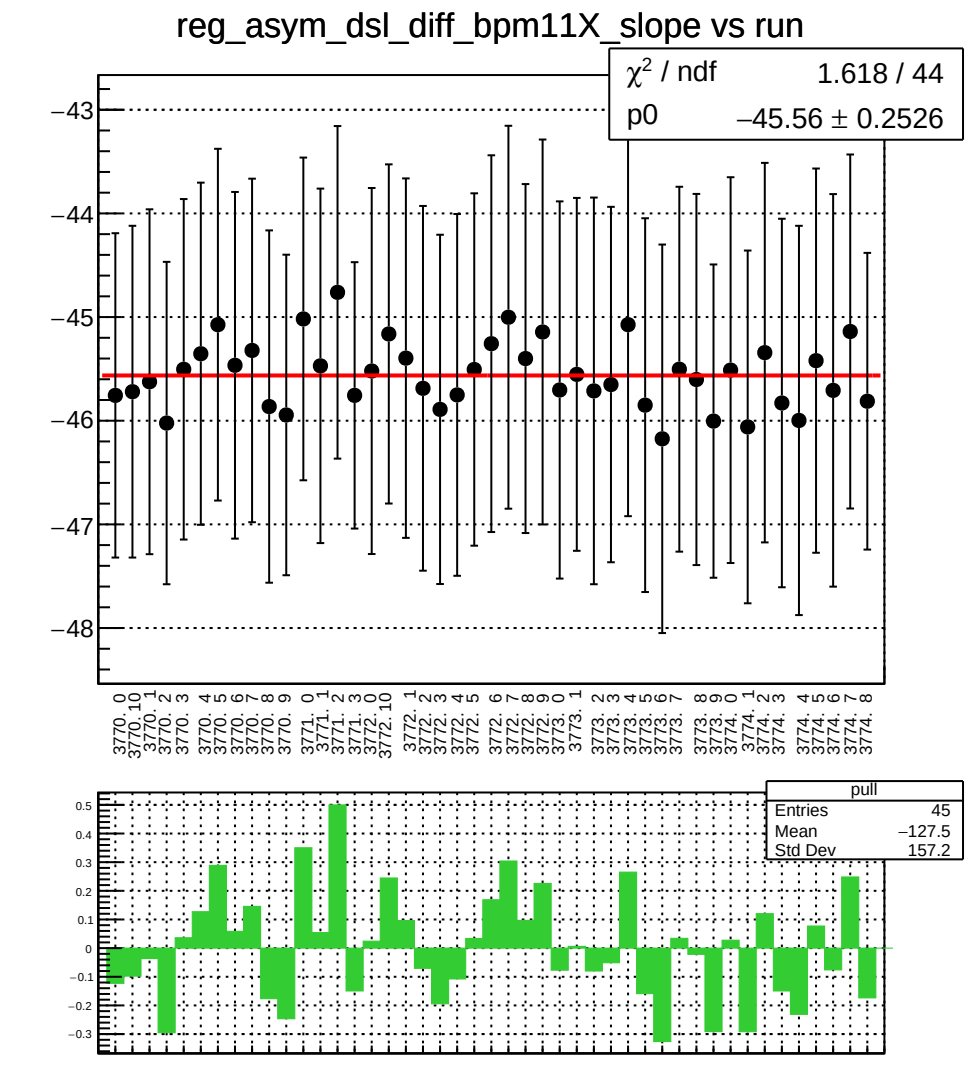

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 5.503 / 44
p0 −0.3786 ± 0.9005
pull
Entries 45
Mean 9.438
Std Dev 75.75

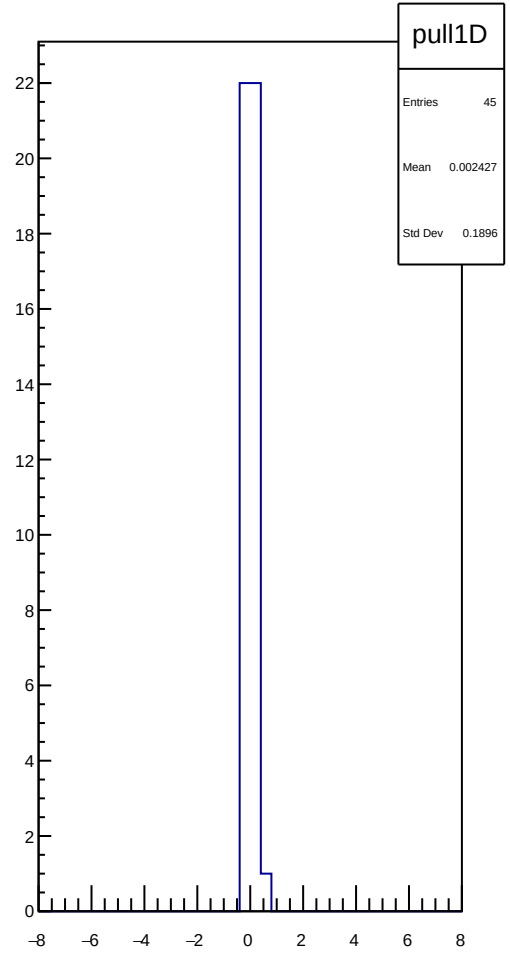

pull1D
Entries 45
Mean −0.001875
Std Dev 0.3497

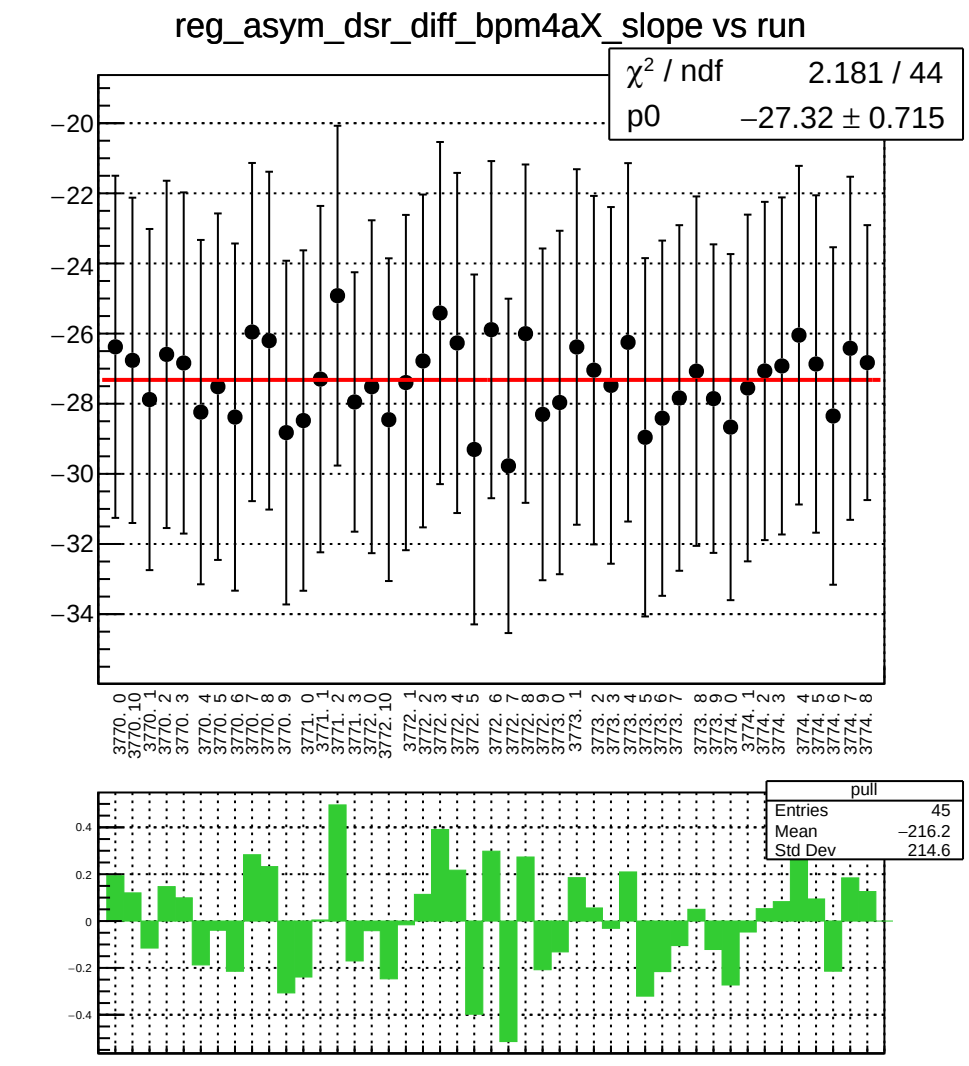

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 5.097 / 44
p0 −70.19 ± 0.1843
−68
−69
−70
−71
−72
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −5549
Std Dev 5581
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean 0.0001743
Std Dev 0.3366
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

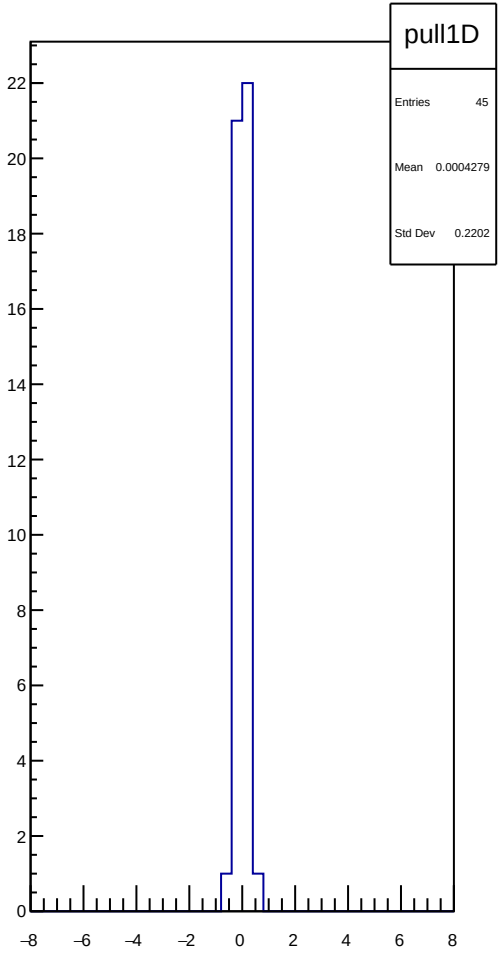

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 6.141 / 44
p0 13.86 ± 1.409
pull
Entries 45
Mean 41.71
Std Dev 58.11

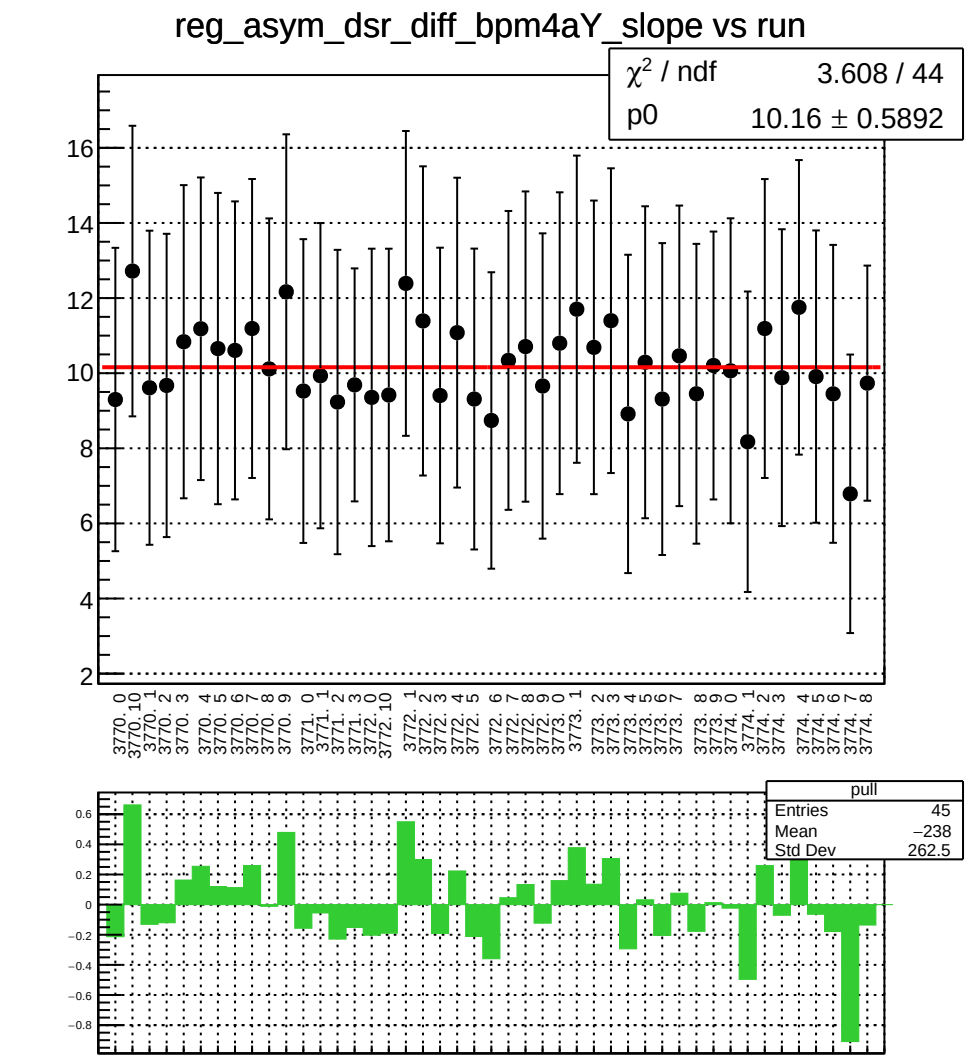

pull1D
Entries 45
Mean 0.003129
Std Dev 0.3694

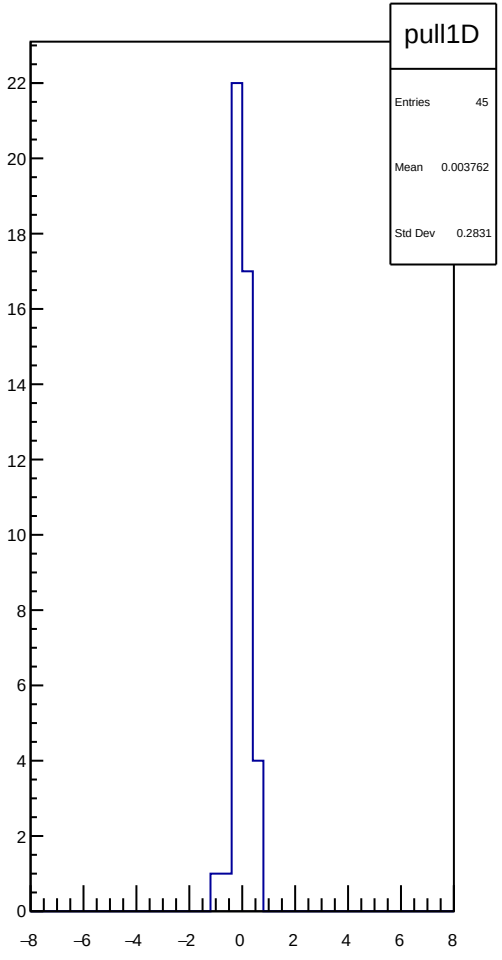

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 1.618 / 44
p0 −45.56 ± 0.2526
pull
Entries 45
Mean −127.5
Std Dev 157.2

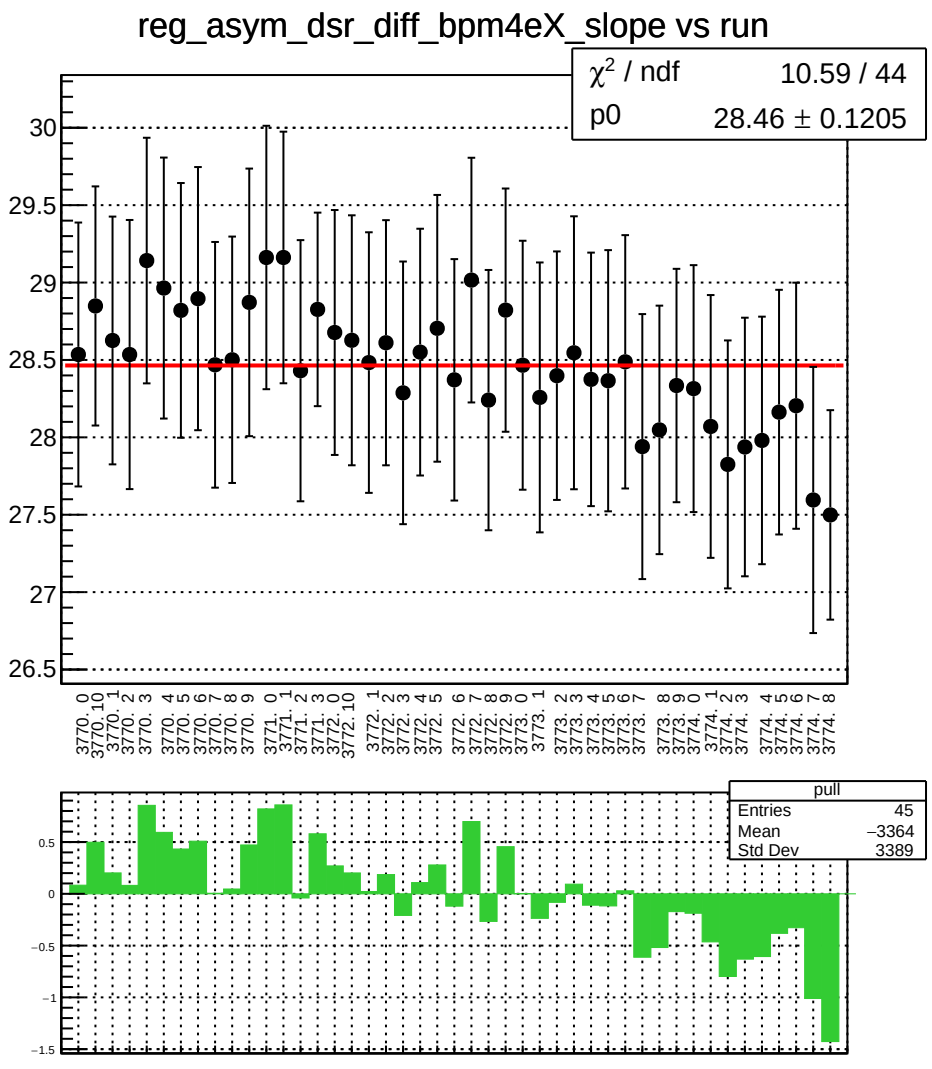

pull1D
Entries 45
Mean 0.002427
Std Dev 0.1896

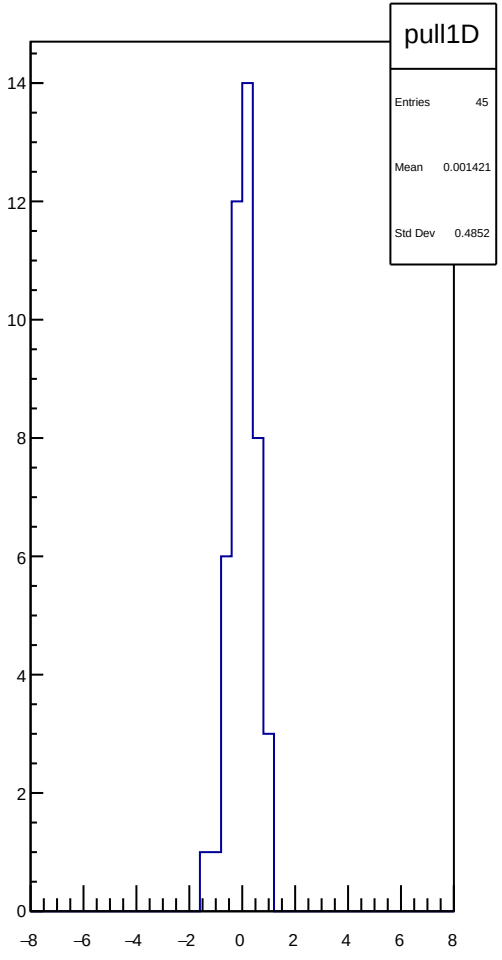

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 2.181 / 44
p0 −27.32 ± 0.715
−20
−22
−24
−26
−28
−30
−32
−34
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −216.2
Std Dev 214.6
0.4
0.2
0
−0.2
−0.4

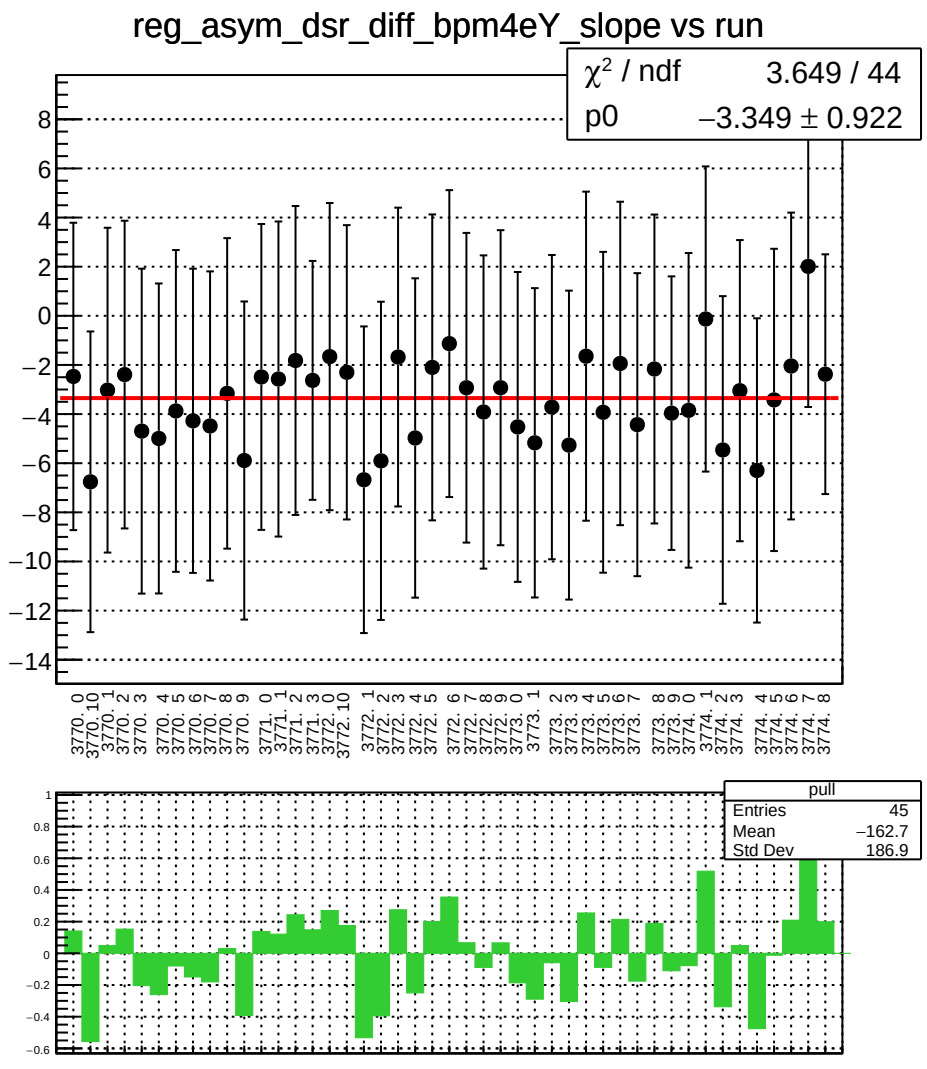

pull1D
Entries 45
Mean 0.0004279
Std Dev 0.2202
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

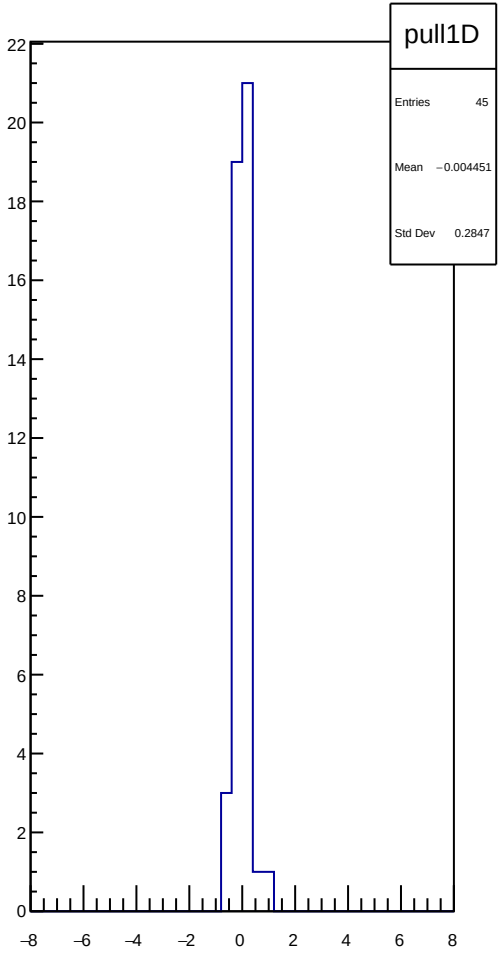

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 3.608 / 44
p0 10.16 ± 0.5892
pull
Entries 45
Mean −238
Std Dev 262.5

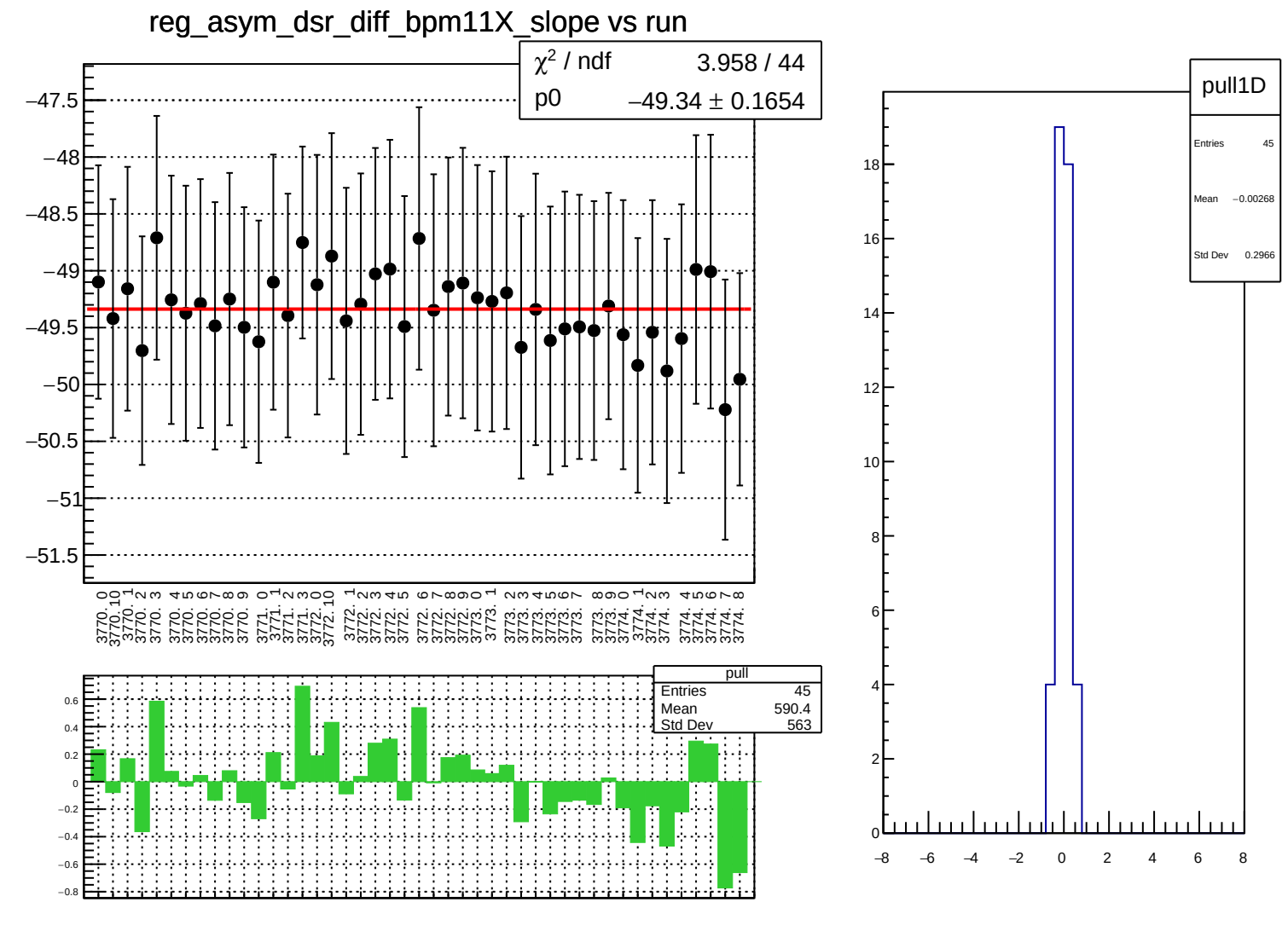

pull1D
Entries 45
Mean 0.003762
Std Dev 0.2831

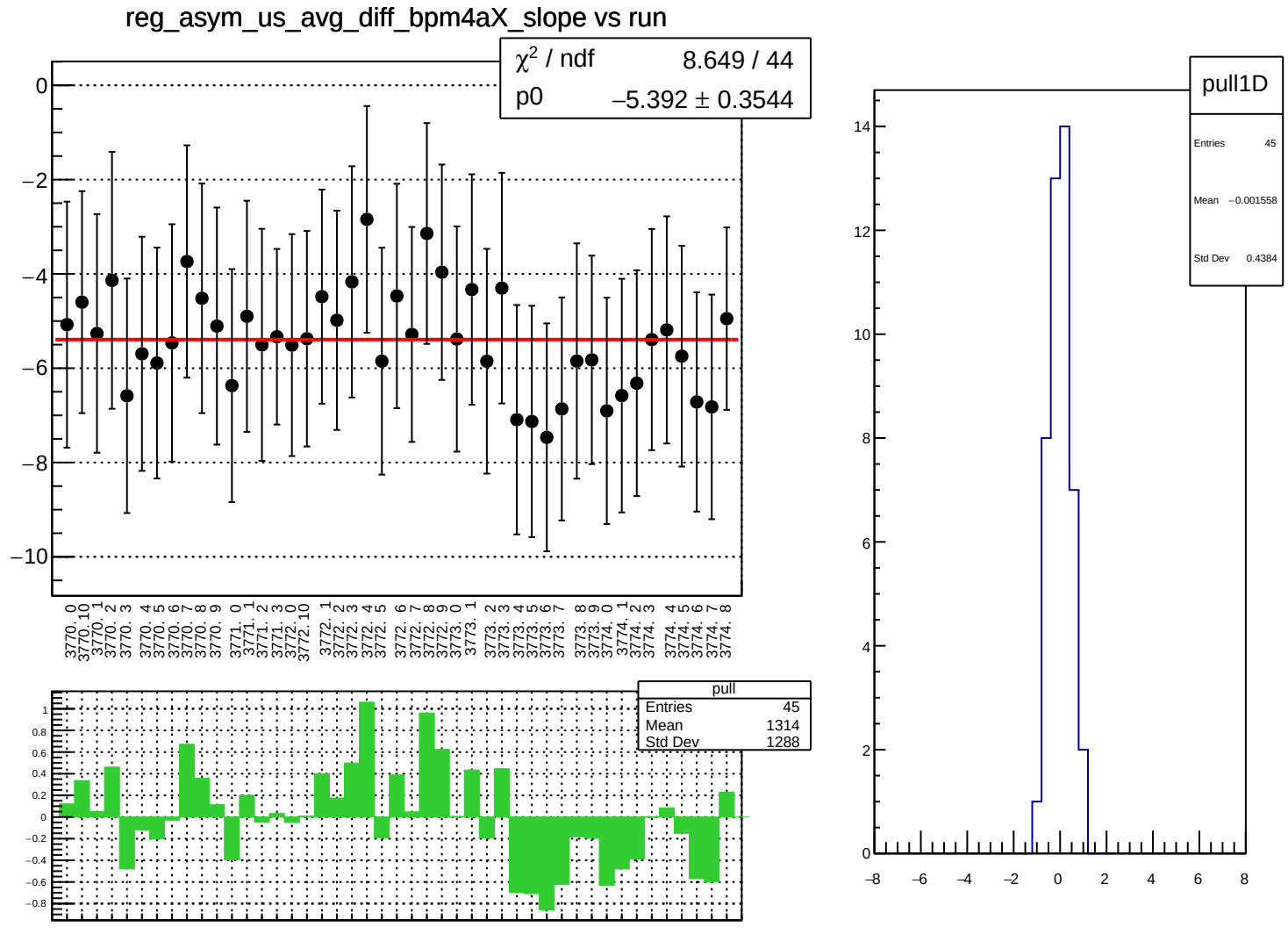

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 10.59 / 44
p0 28.46 ± 0.1205
30
29.5
29
28.5
28
27.5
27
26.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −3364
Std Dev 3389
0.5
0
−0.5
−1
−1.5

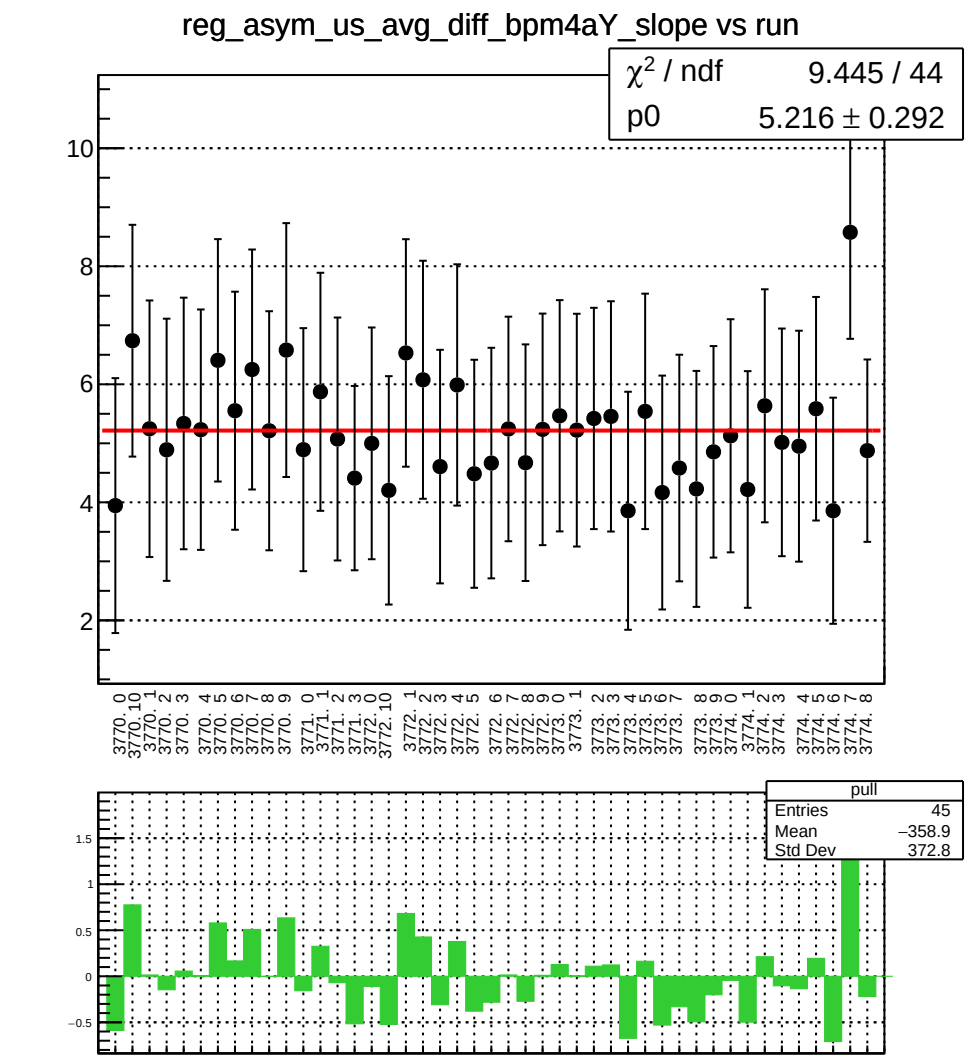

pull1D
Entries 45
Mean 0.001421
Std Dev 0.4852
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

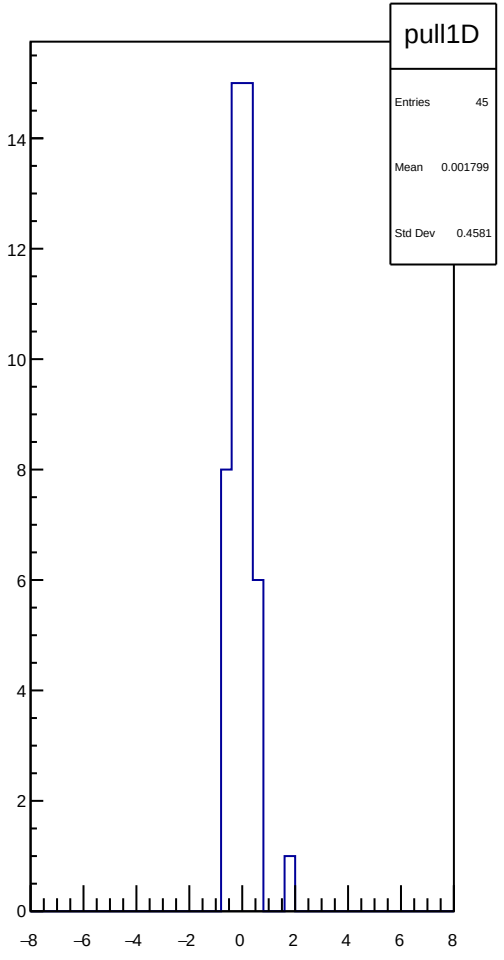

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 3.649 / 44
p0 −3.349 ± 0.922
pull
Entries 45
Mean −162.7
Std Dev 186.9

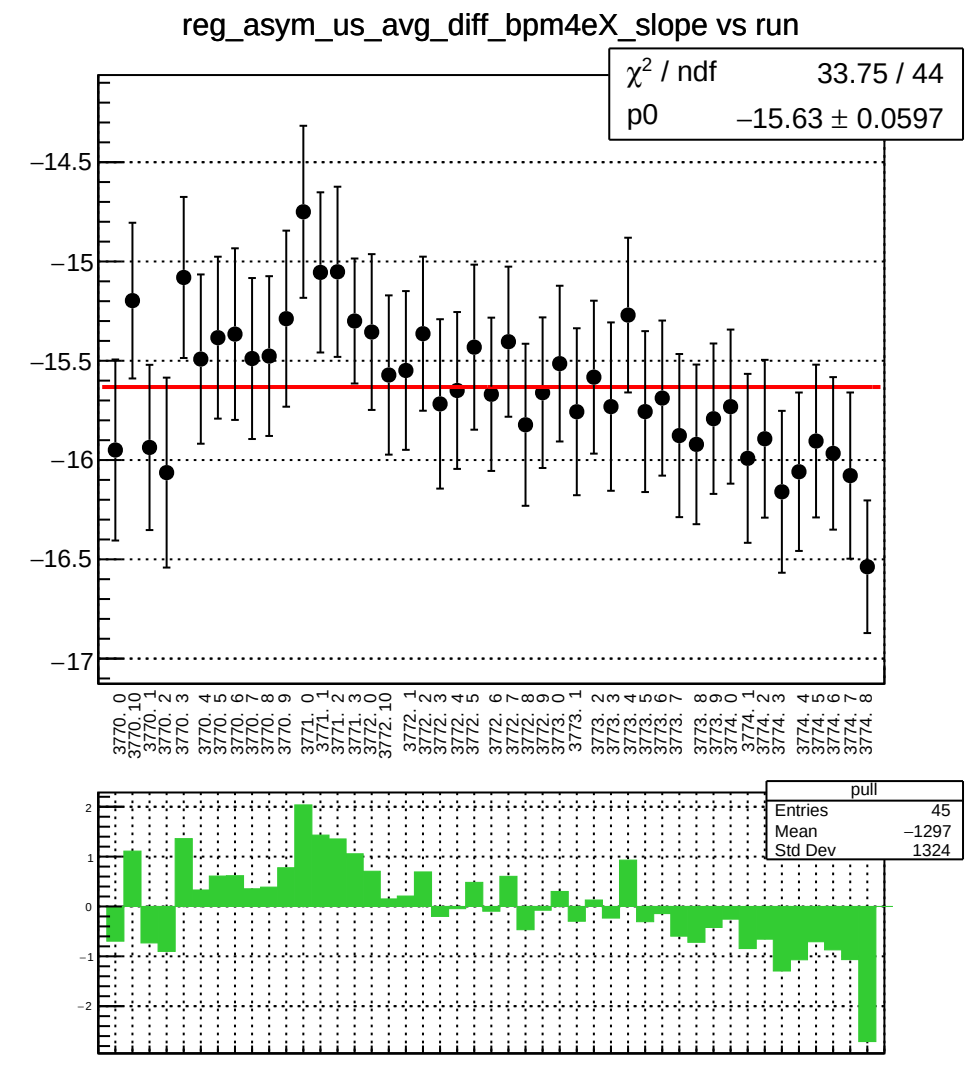

pull1D
Entries 45
Mean −0.004451
Std Dev 0.2847

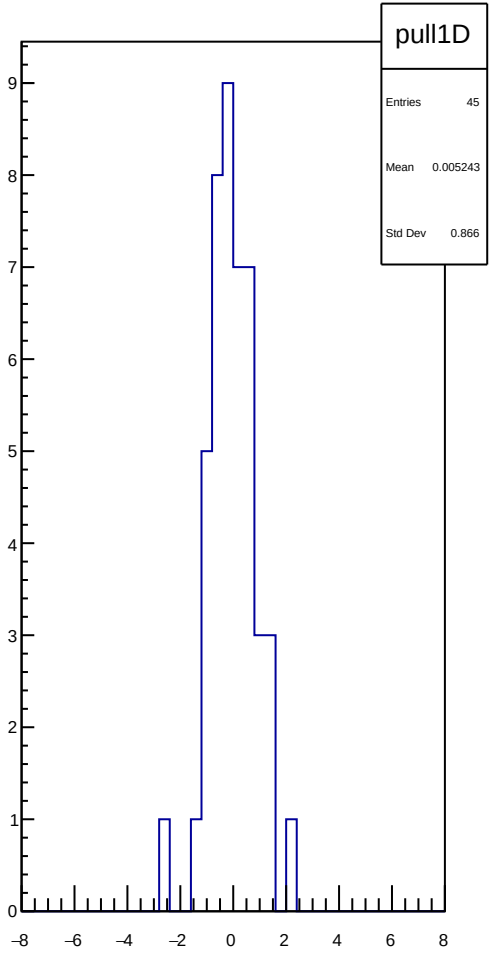

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 3.958 / 44
p0 −49.34 ± 0.1654
−47.5
−48
−48.5
−49
−49.5
−50
−50.5
−51
−51.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 590.4
Std Dev 563
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.00268
Std Dev 0.2966
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

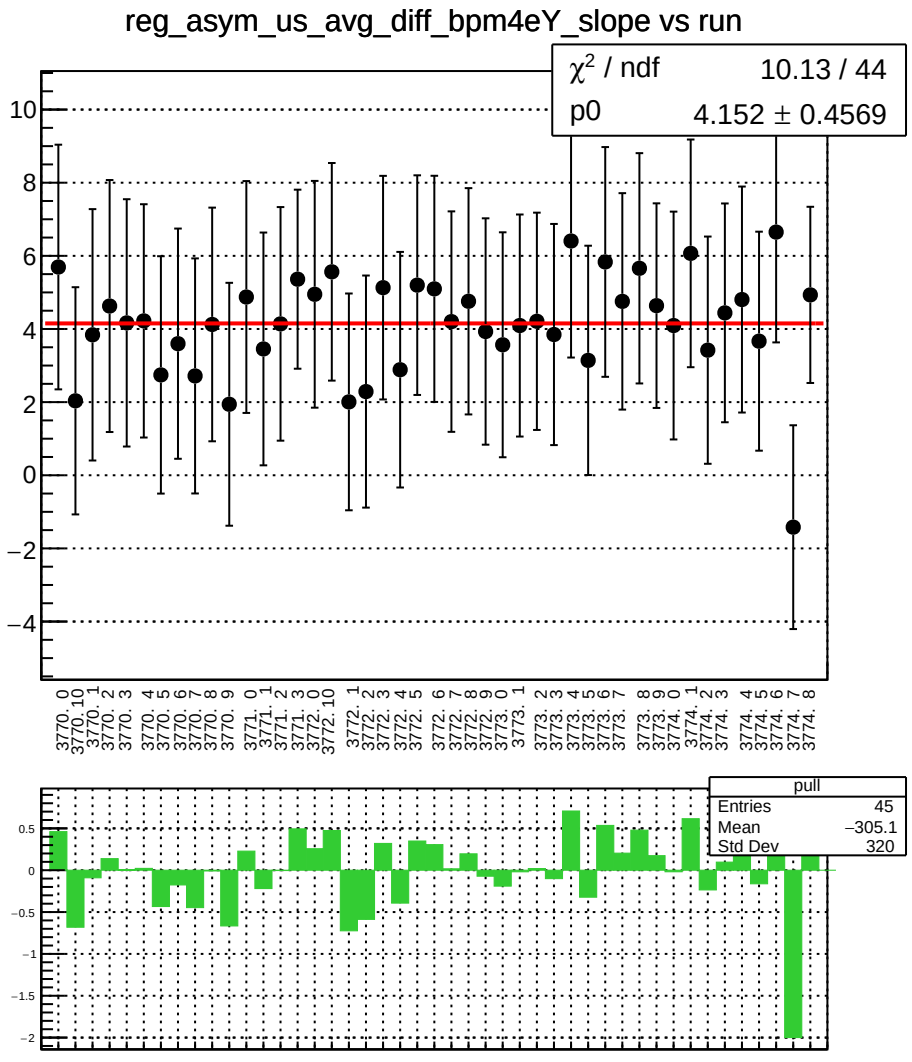

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.649 / 44
p0 −5.392 ± 0.3544
pull
Entries 45
Mean 1314
Std Dev 1288
pull1D
Entries 45
Mean −0.001558
Std Dev 0.4384

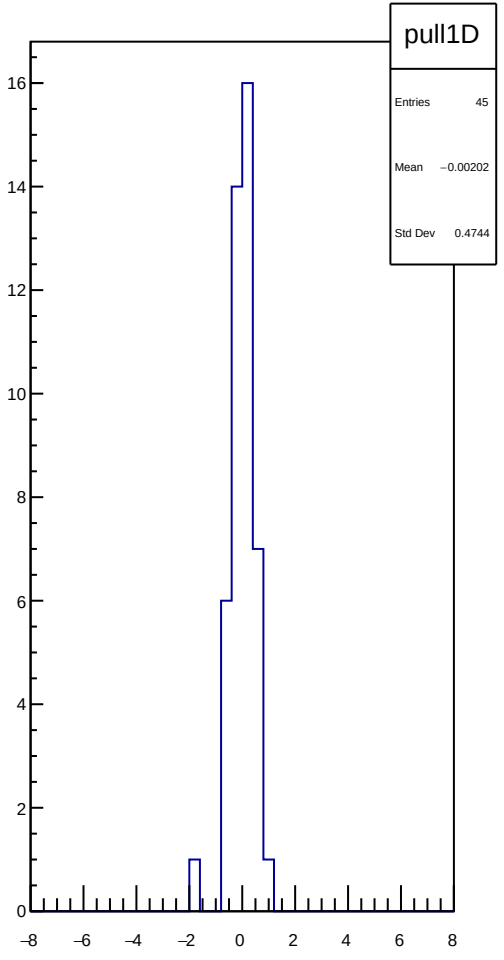

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.445 / 44
p0 5.216 ± 0.292
pull
Entries 45
Mean −358.9
Std Dev 372.8

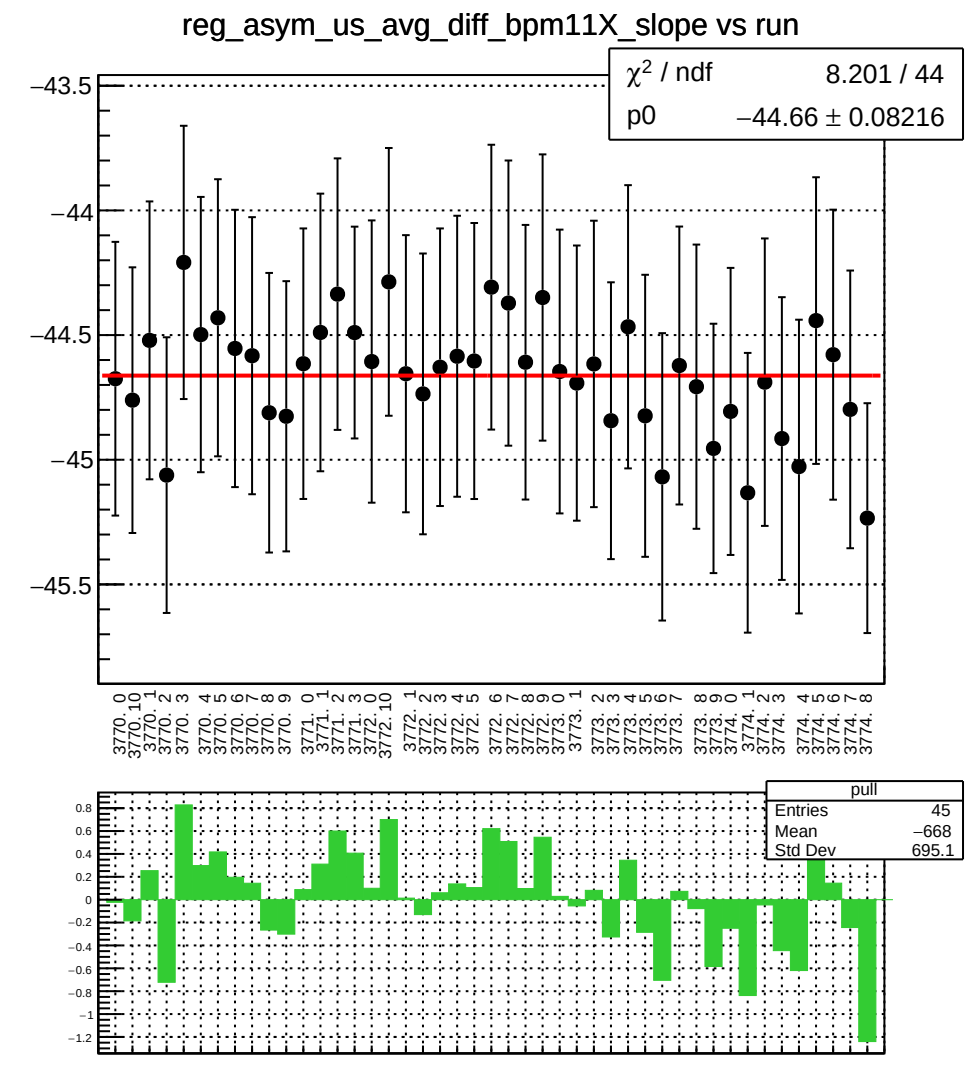

pull1D
Entries 45
Mean 0.001799
Std Dev 0.4581

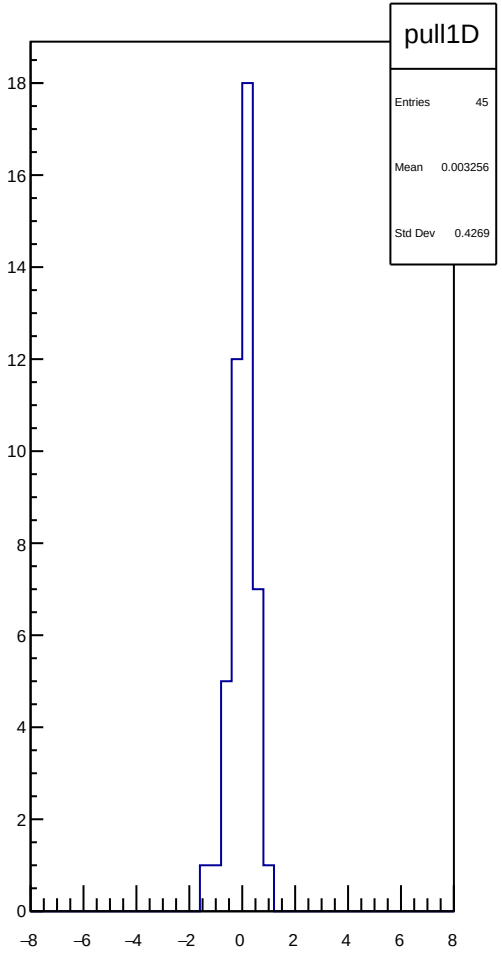

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.75 / 44
p0 −15.63 ± 0.0597
−14.5
−15
−15.5
−16
−16.5
−17
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1297
Std Dev 1324
2
1
0
−1
−2

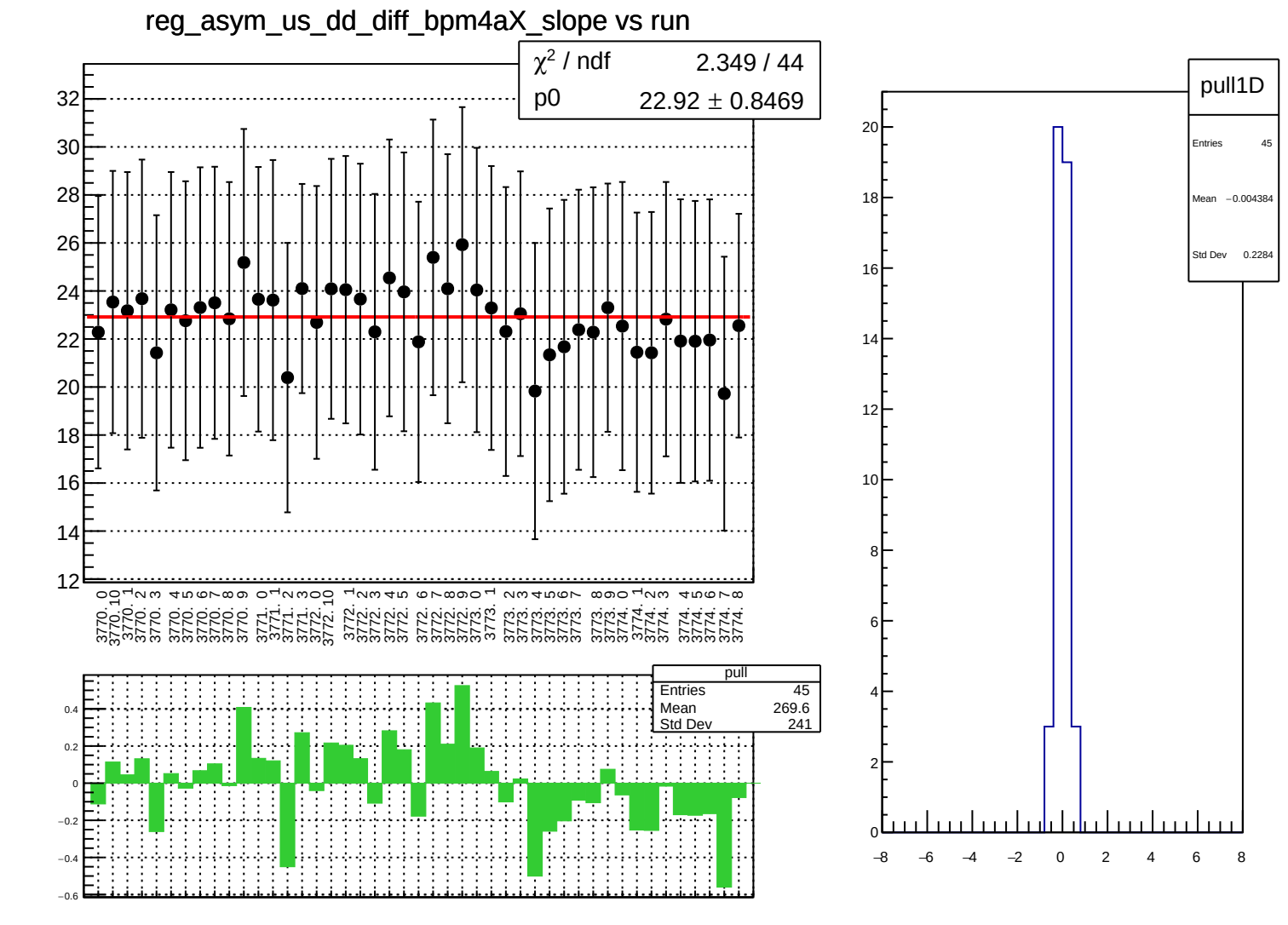

pull1D
Entries 45
Mean 0.005243
Std Dev 0.866
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

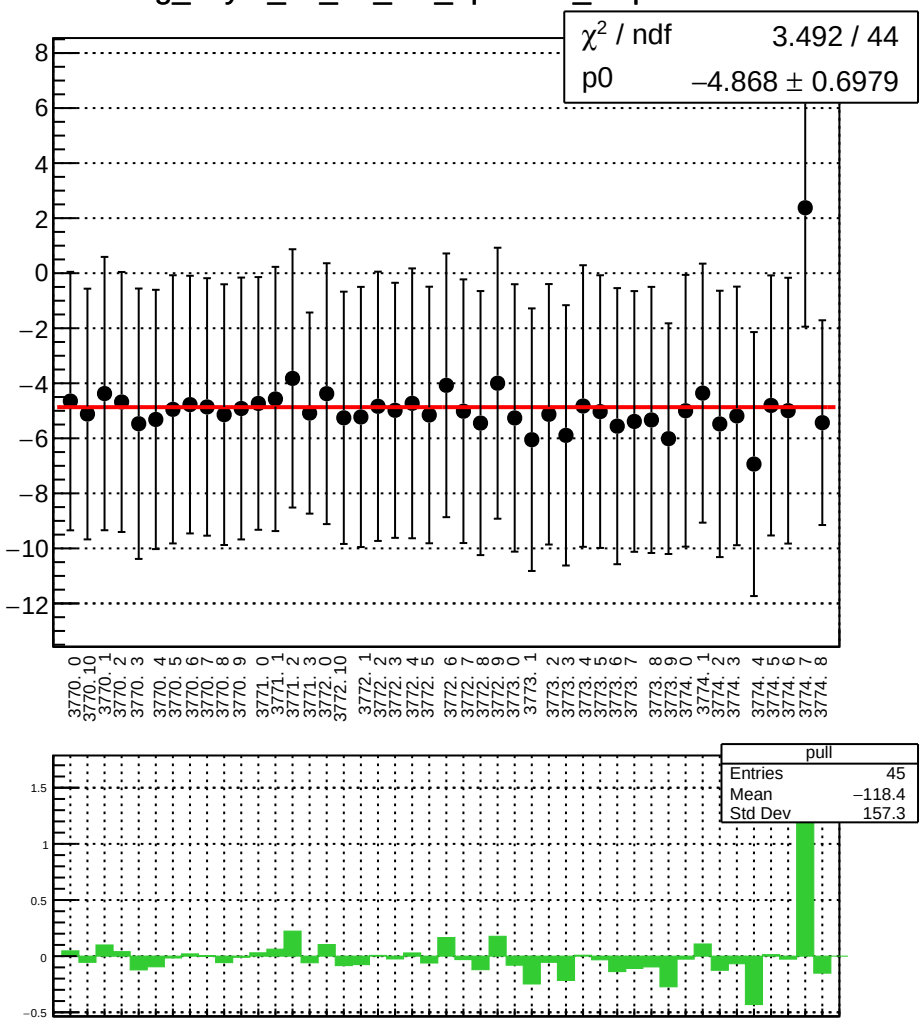

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.13 / 44
p0 4.152 ± 0.4569
pull
Entries 45
Mean −305.1
Std Dev 320

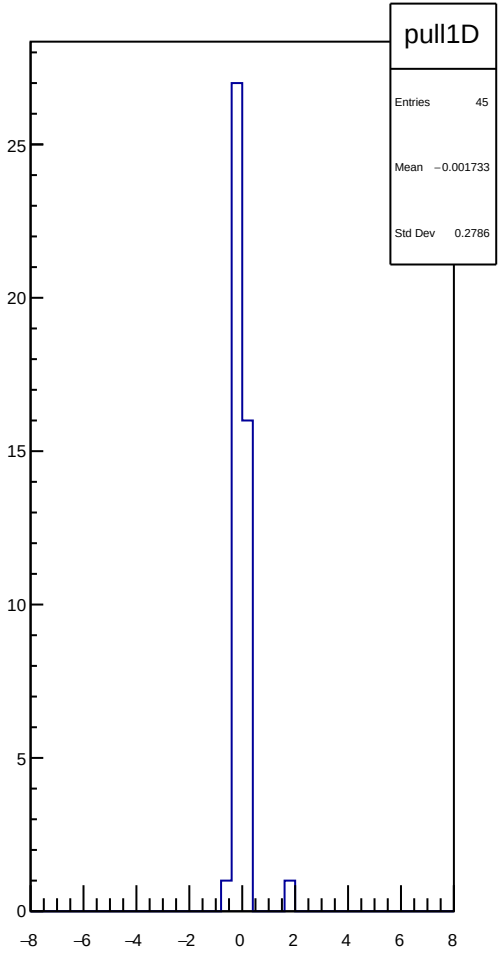

pull1D
Entries 45
Mean −0.00202
Std Dev 0.4744

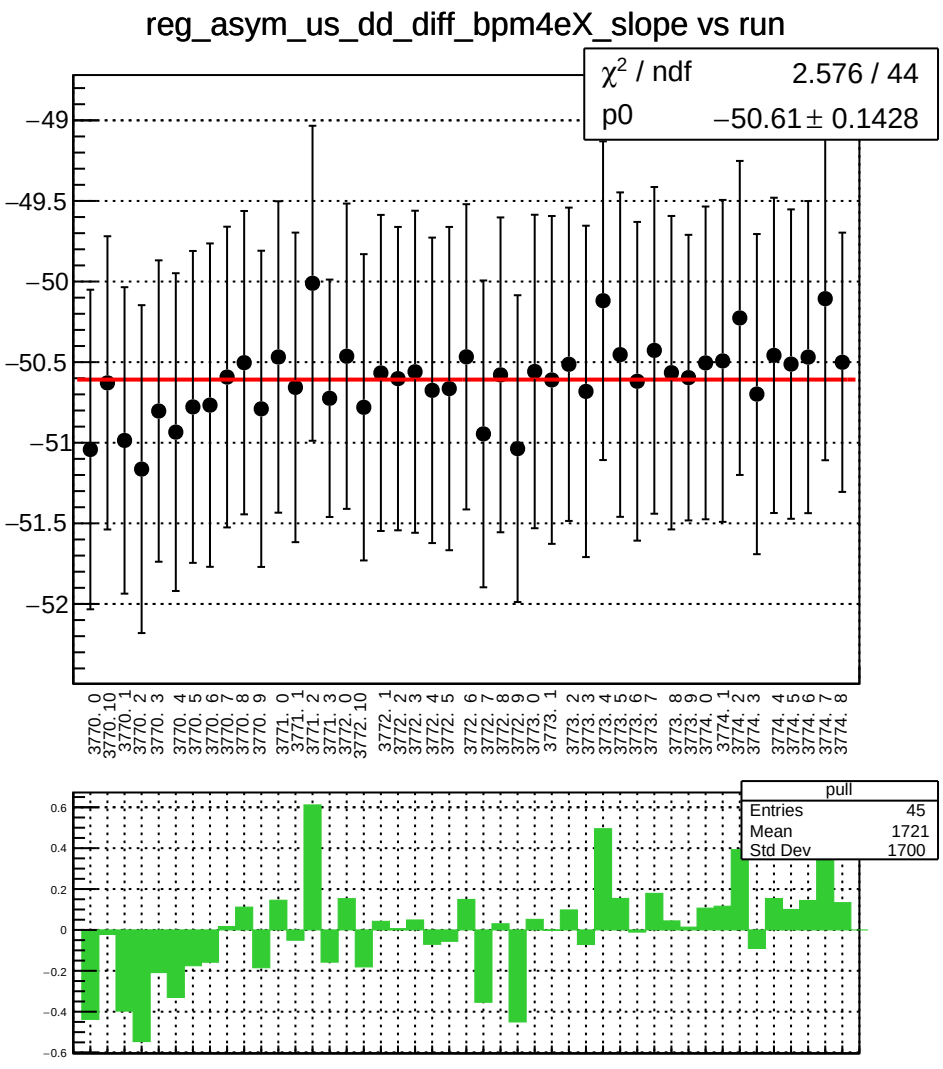

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 8.201 / 44
p0 −44.66 ± 0.08216
−43.5
−44
−44.5
−45
−45.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −668
Std Dev 695.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

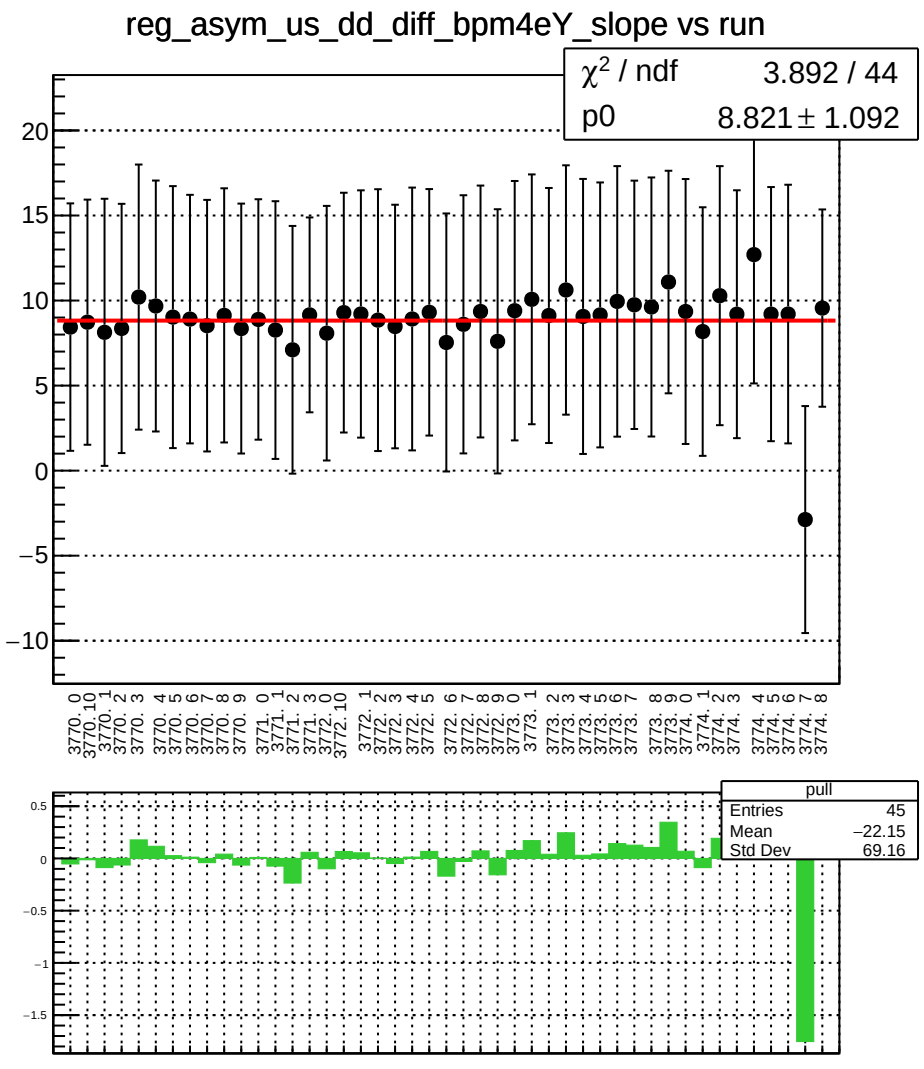

pull1D
Entries 45
Mean 0.003256
Std Dev 0.4269
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

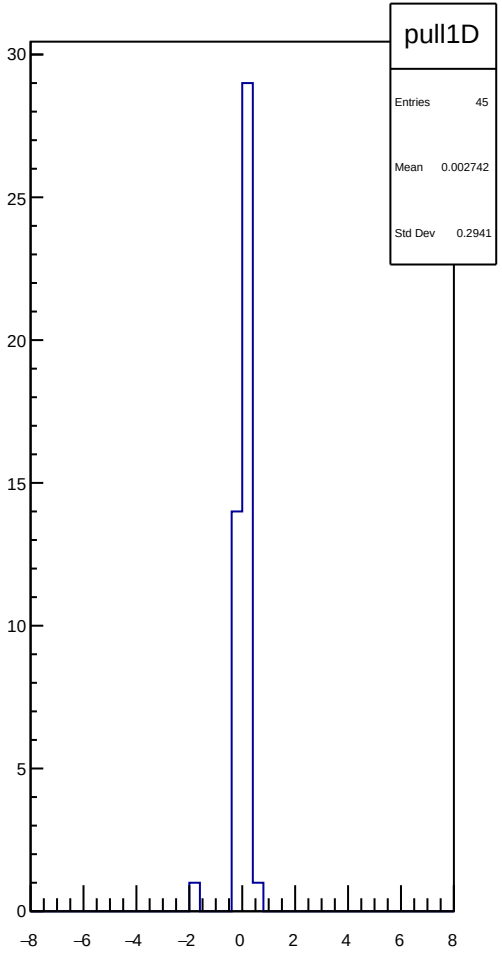

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.349 / 44
p0 22.92 ± 0.8469
pull
Entries 45
Mean 269.6
Std Dev 241
pull1D
Entries 45
Mean −0.004384
Std Dev 0.2284

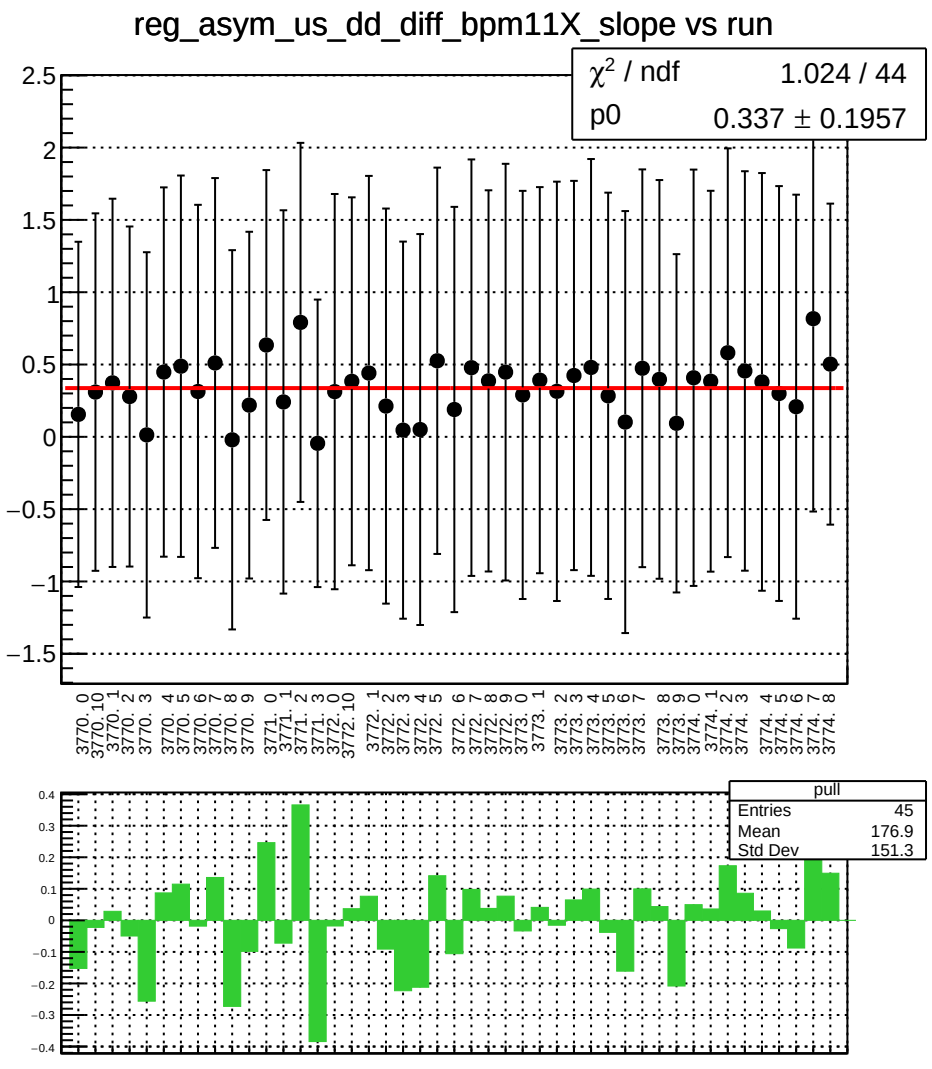

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.492 / 44
p0 −4.868 ± 0.6979
pull
Entries 45
Mean −118.4
Std Dev 157.3

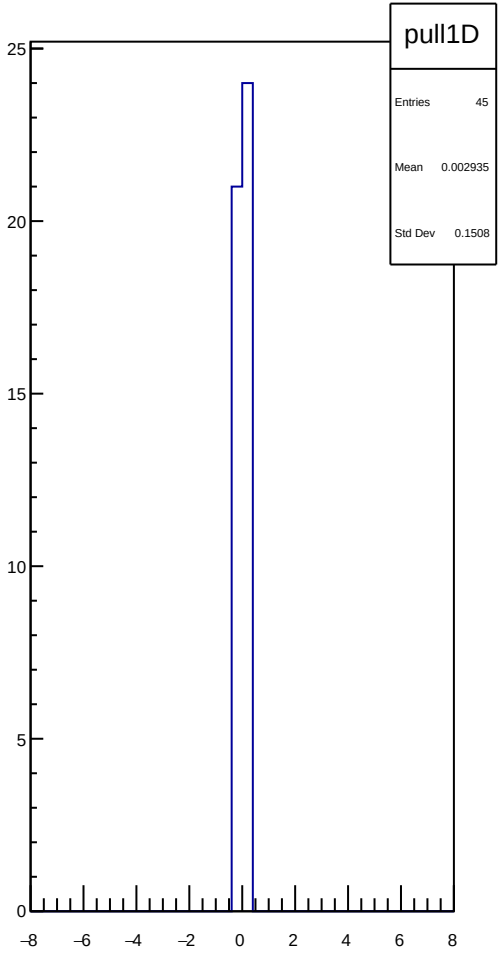

pull1D
Entries 45
Mean −0.001733
Std Dev 0.2786

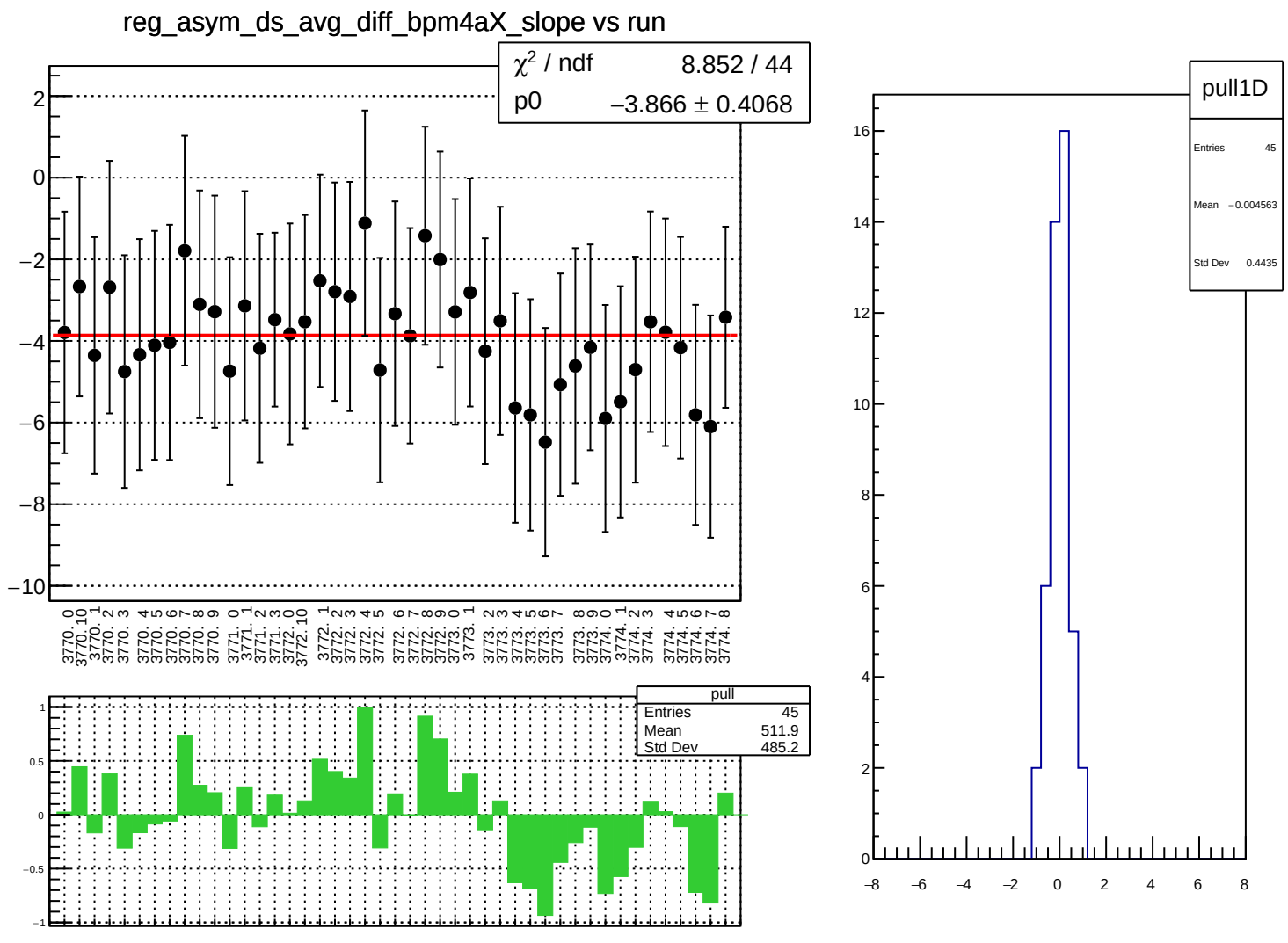

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.576 / 44
p0 −50.61 ± 0.1428
−49
−49.5
−50
−50.5
−51
−51.5
−52
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1721
Std Dev 1700
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean 0.0009618
Std Dev 0.2392
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

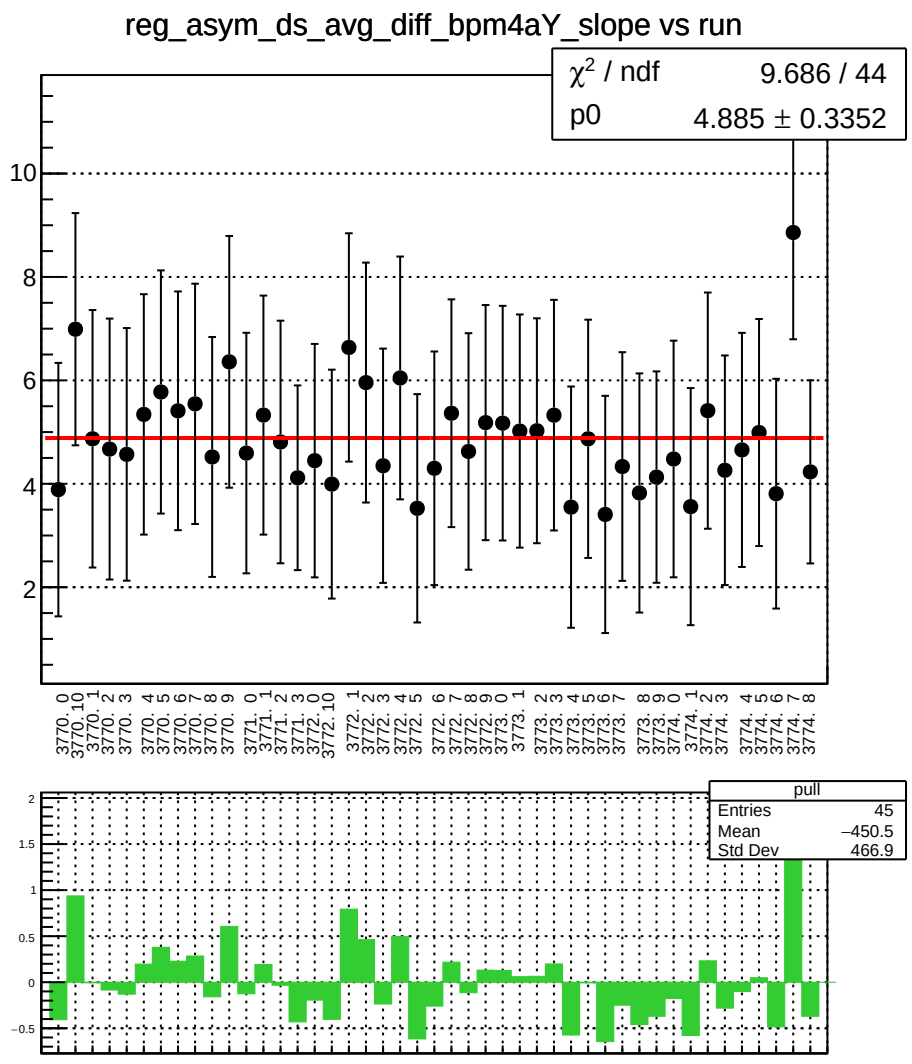

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.892 / 44
p0 8.821 ± 1.092
pull
Entries 45
Mean −22.15
Std Dev 69.16

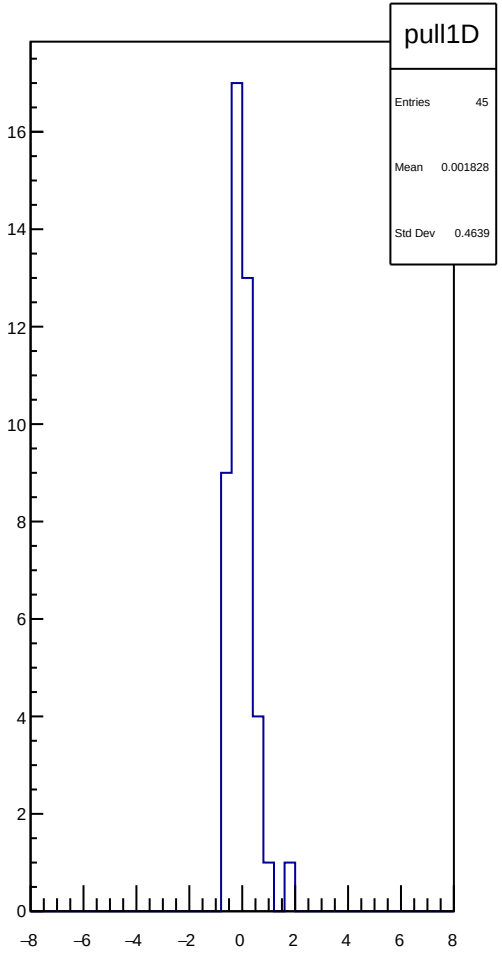

pull1D
Entries 45
Mean 0.002742
Std Dev 0.2941

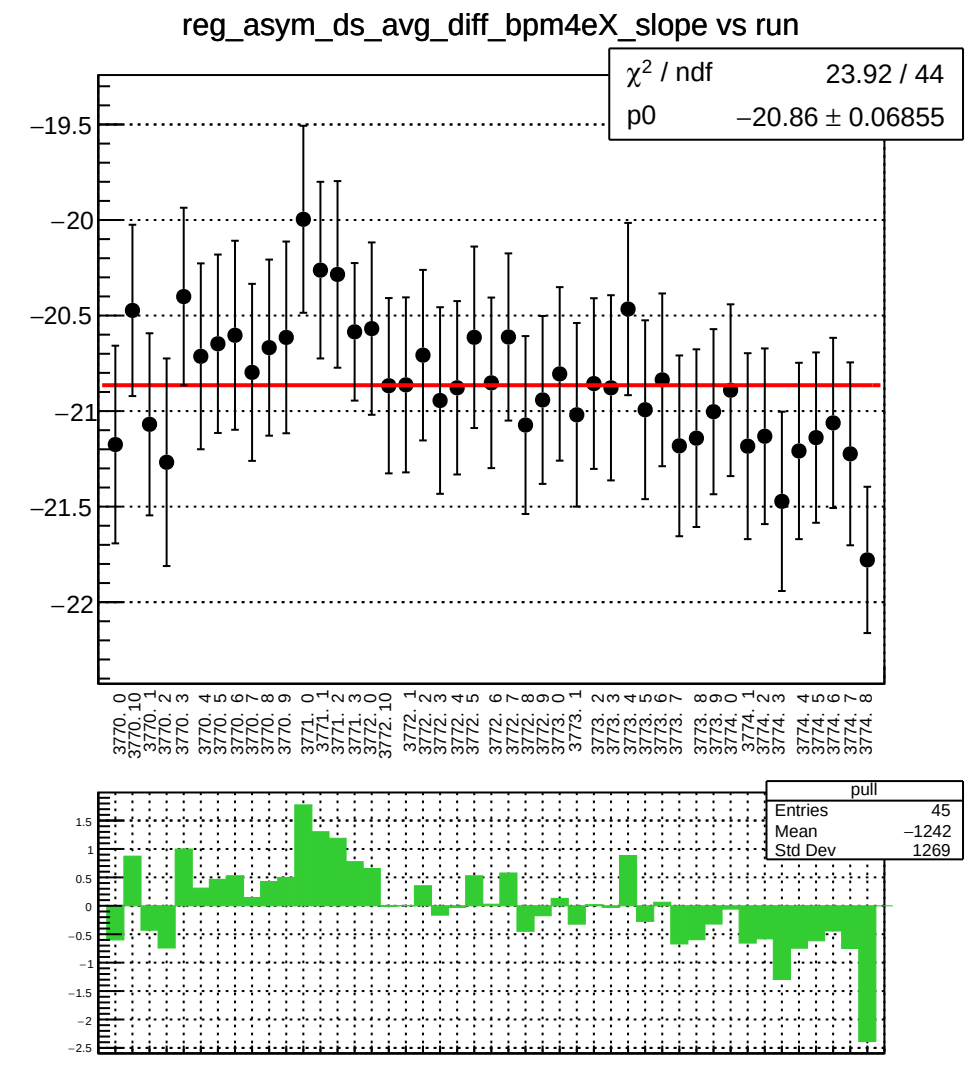

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 1.024 / 44
p0 0.337 ± 0.1957
pull
Entries 45
Mean 176.9
Std Dev 151.3

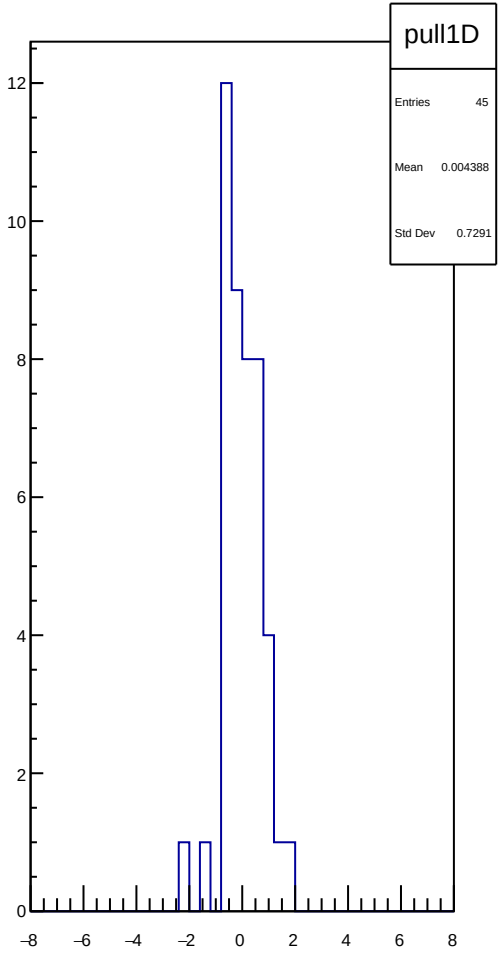

pull1D
Entries 45
Mean 0.002935
Std Dev 0.1508

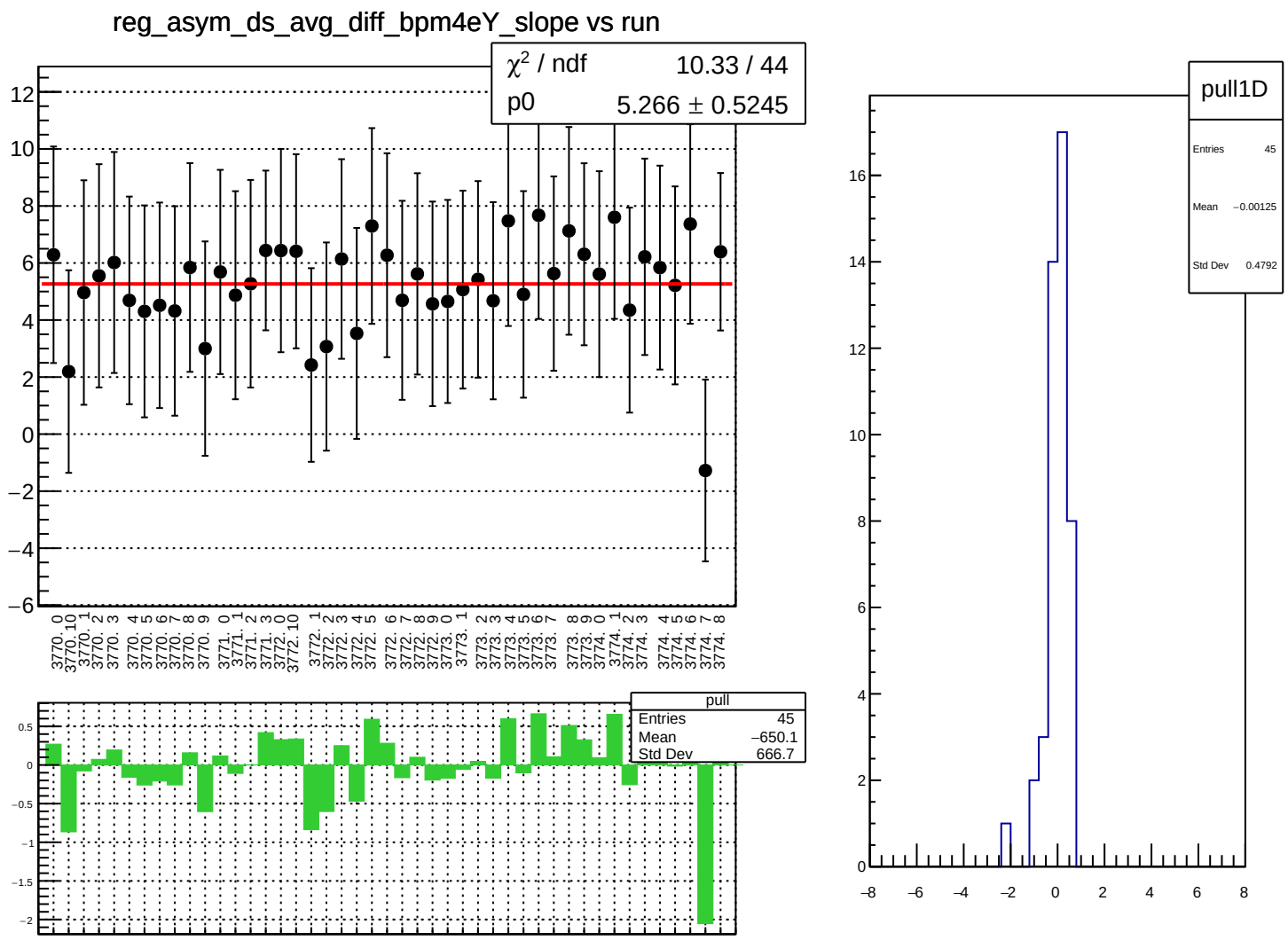

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.852 / 44
p0 −3.866 ± 0.4068
pull
Entries 45
Mean 511.9
Std Dev 485.2
pull1D
Entries 45
Mean −0.004563
Std Dev 0.4435

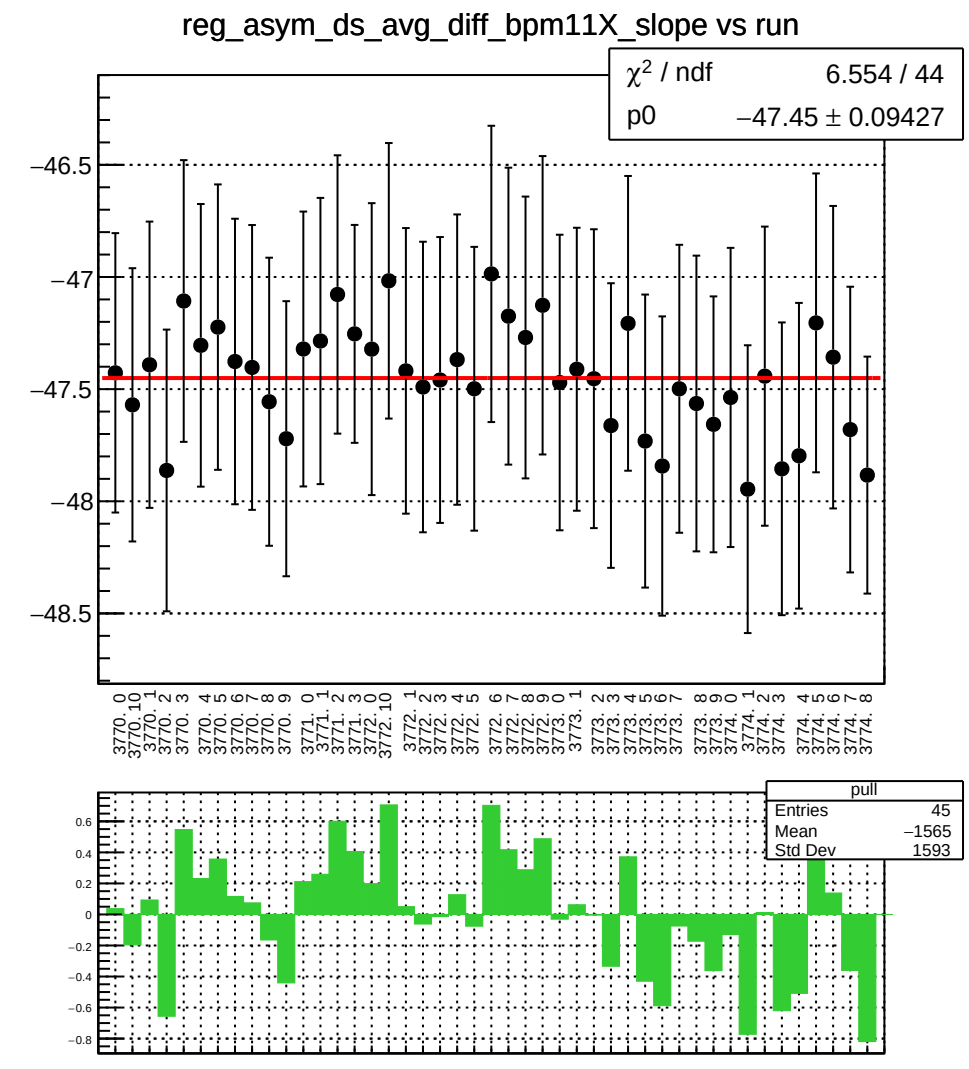

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.686 / 44
p0 4.885 ± 0.3352
pull
Entries 45
Mean −450.5
Std Dev 466.9

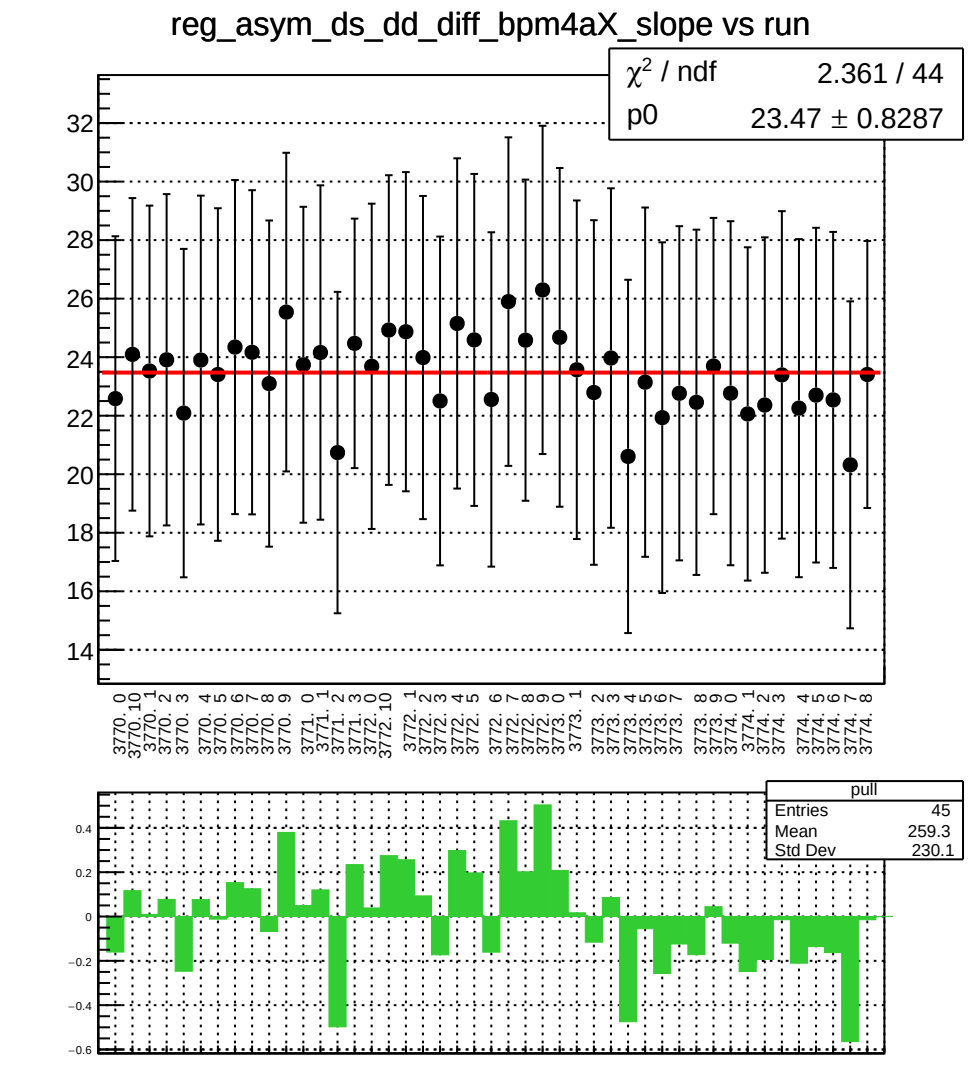

pull1D
Entries 45
Mean 0.001828
Std Dev 0.4639

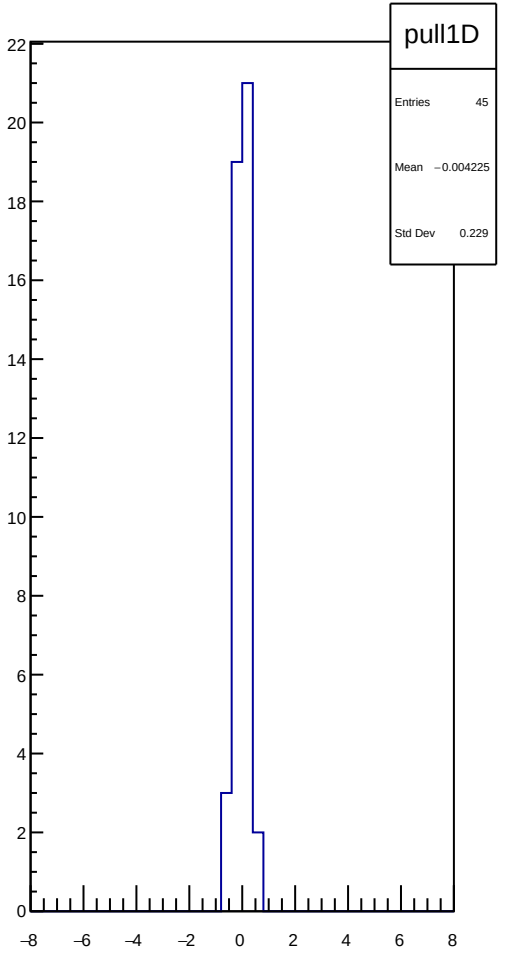

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.92 / 44
p0 −20.86 ± 0.06855
−19.5
−20
−20.5
−21
−21.5
−22
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1242
Std Dev 1269
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

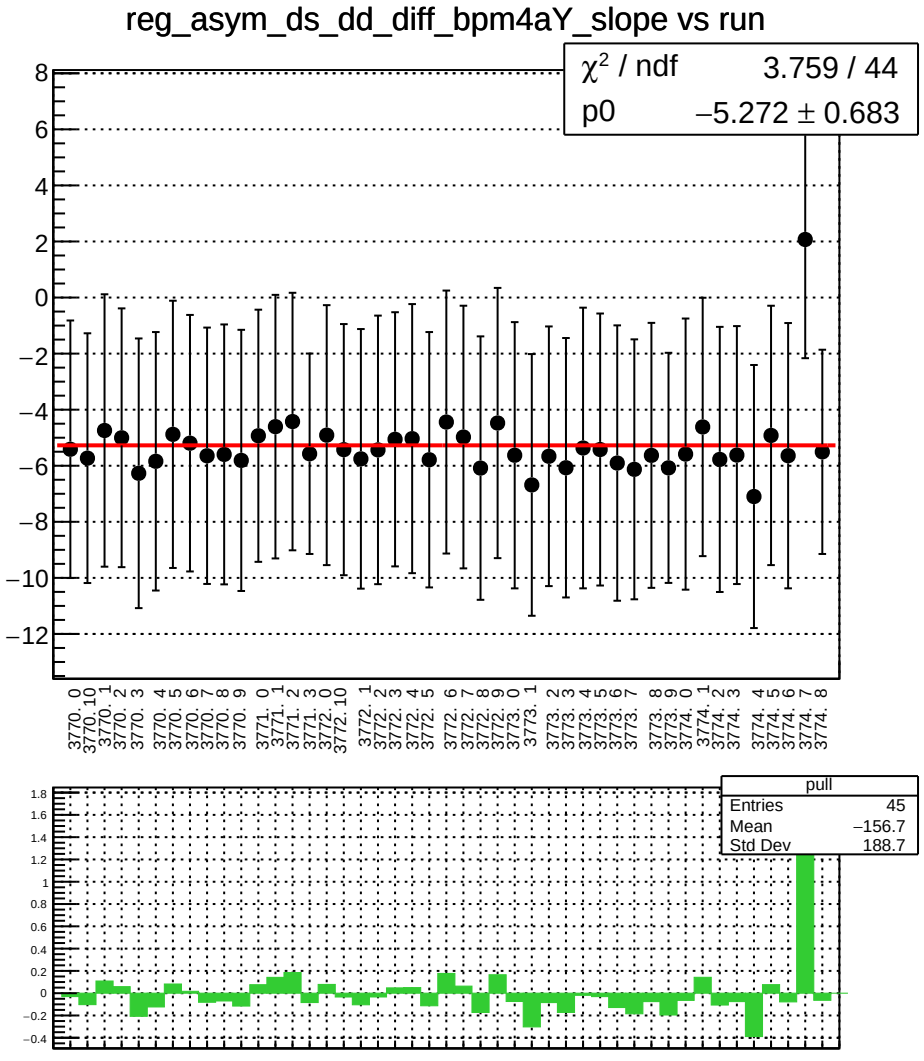

pull1D
Entries 45
Mean 0.004388
Std Dev 0.7291
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

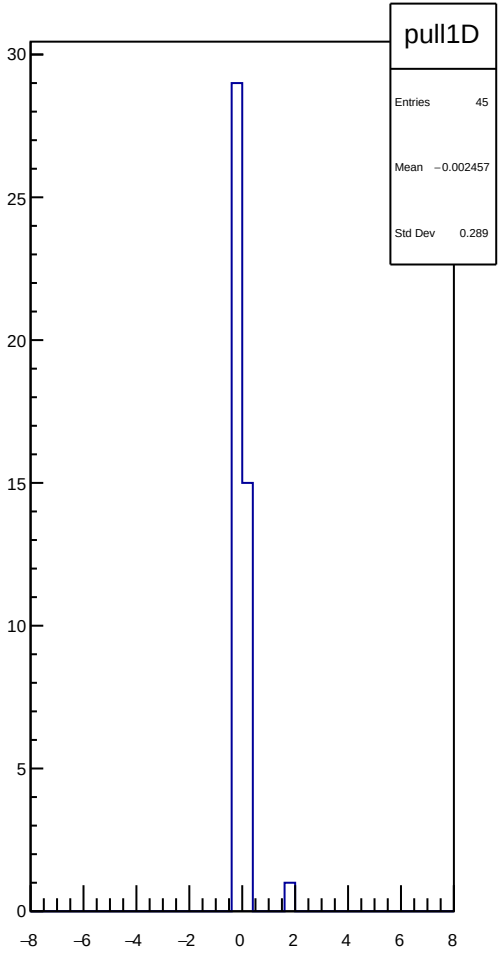

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.33 / 44
p0 5.266 ± 0.5245
pull
Entries 45
Mean −650.1
Std Dev 666.7
pull1D
Entries 45
Mean −0.00125
Std Dev 0.4792

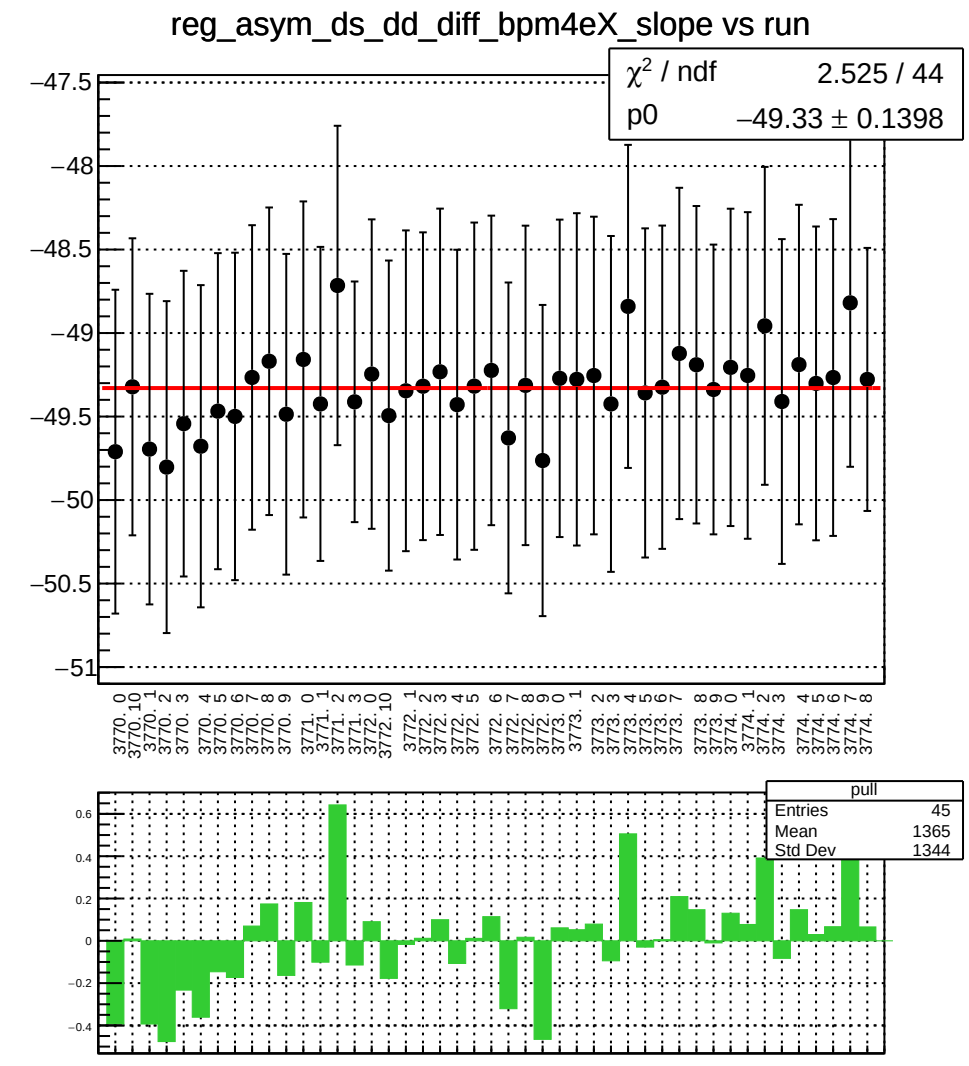

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 6.554 / 44
p0 −47.45 ± 0.09427
−46.5
−47
−47.5
−48
−48.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −1565
Std Dev 1593
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean 0.001163
Std Dev 0.3816
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

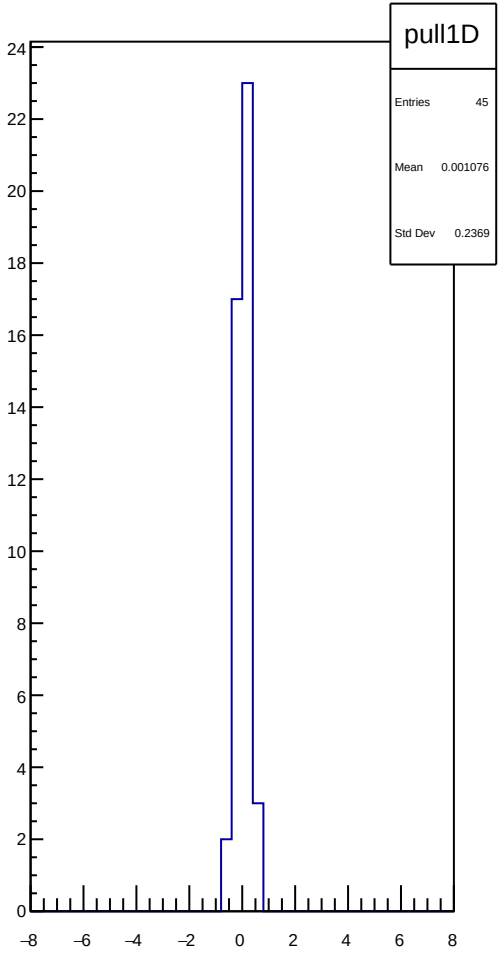

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.361 / 44
p0 23.47 ± 0.8287
pull
Entries 45
Mean 259.3
Std Dev 230.1

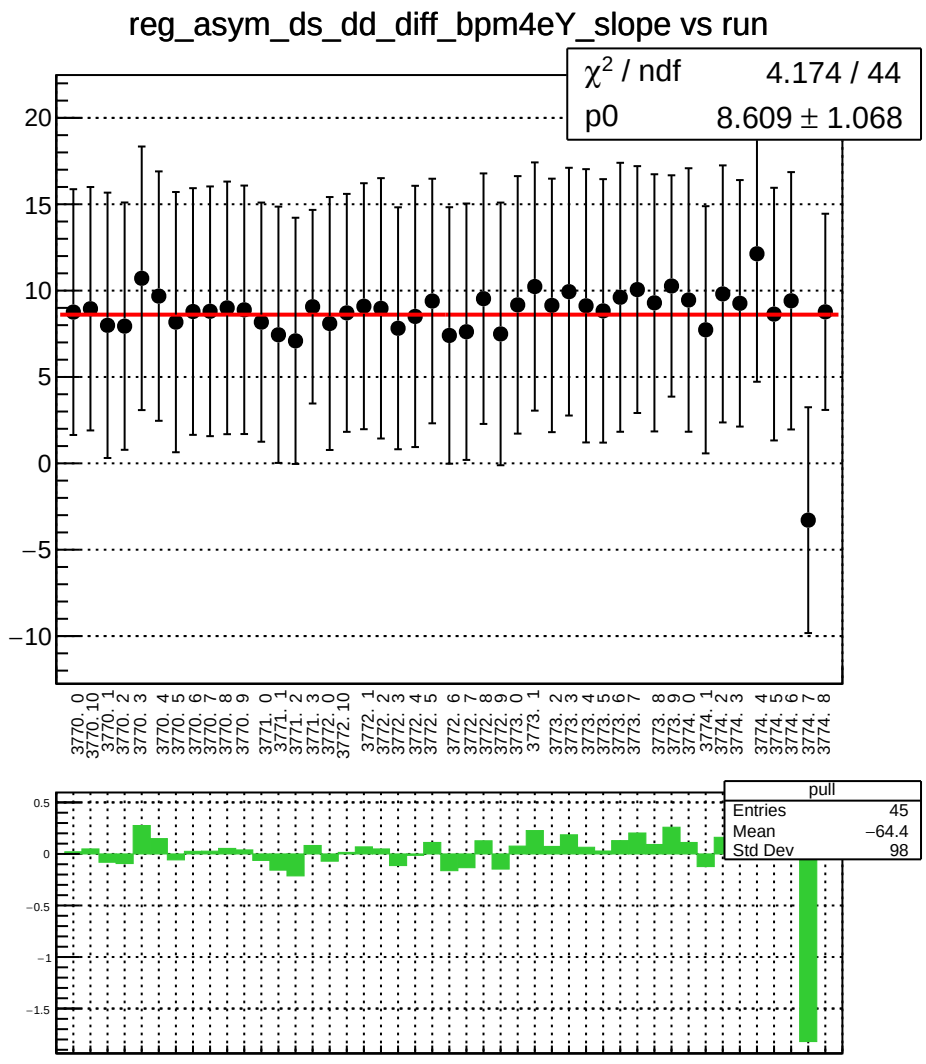

pull1D
Entries 45
Mean −0.004225
Std Dev 0.229

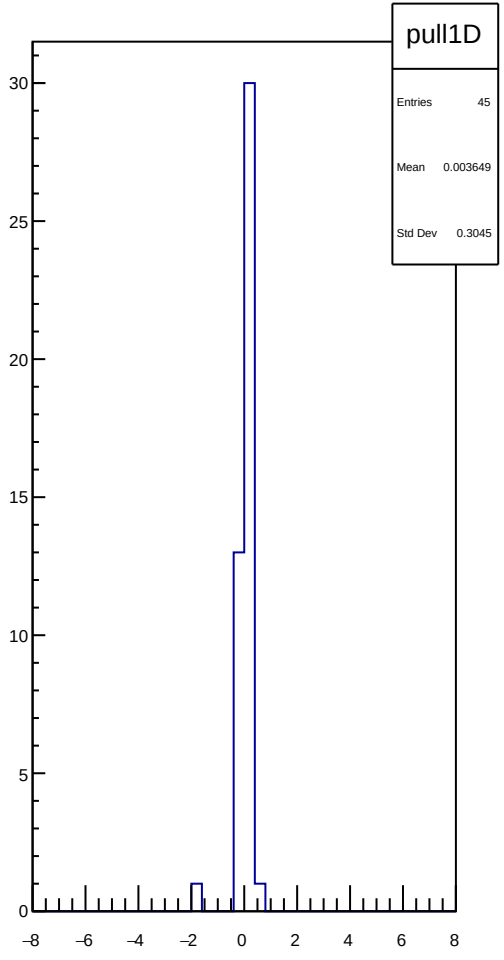

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.759 / 44
p0 −5.272 ± 0.683
pull
Entries 45
Mean −156.7
Std Dev 188.7

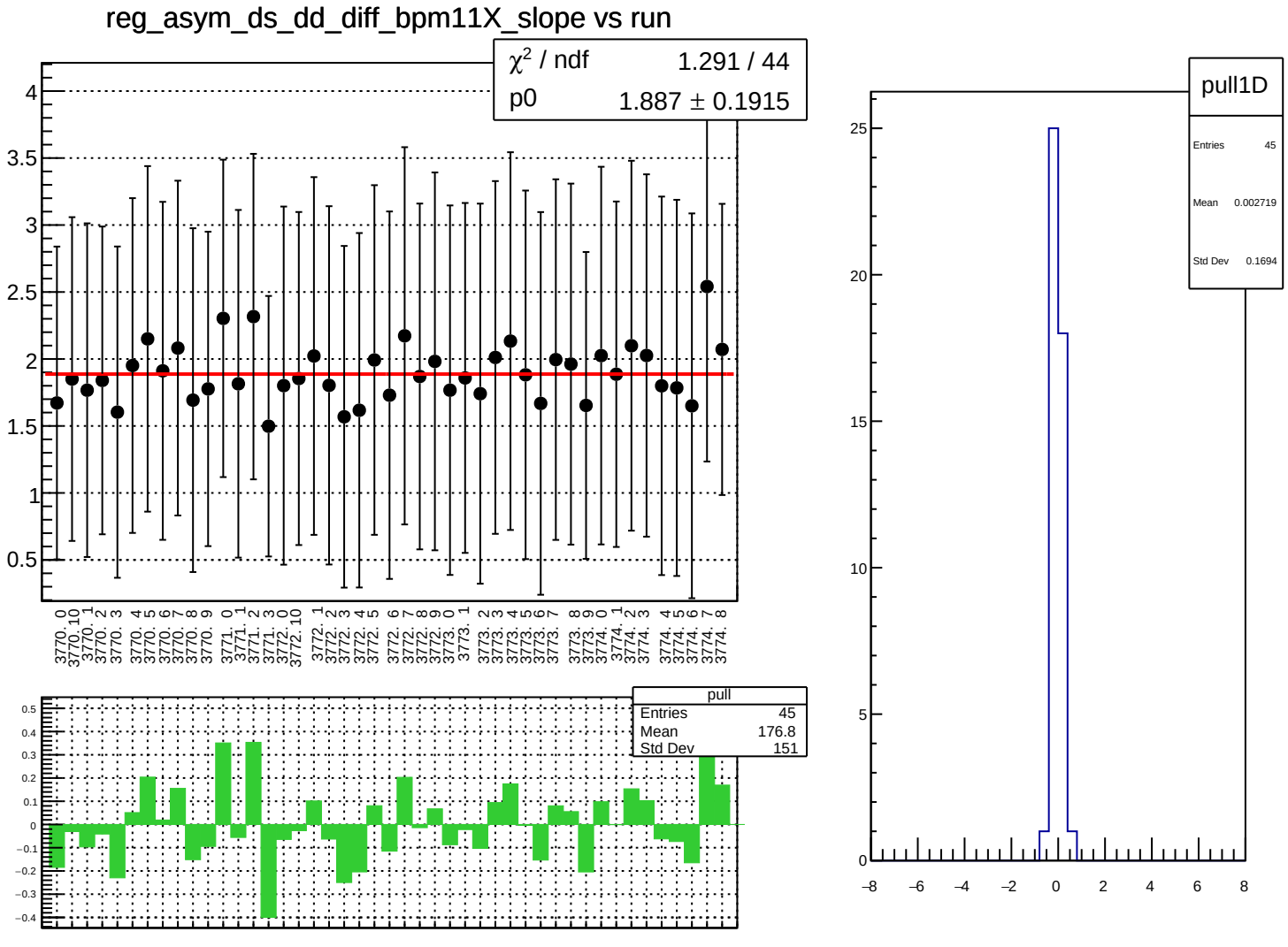

pull1D
Entries 45
Mean −0.002457
Std Dev 0.289

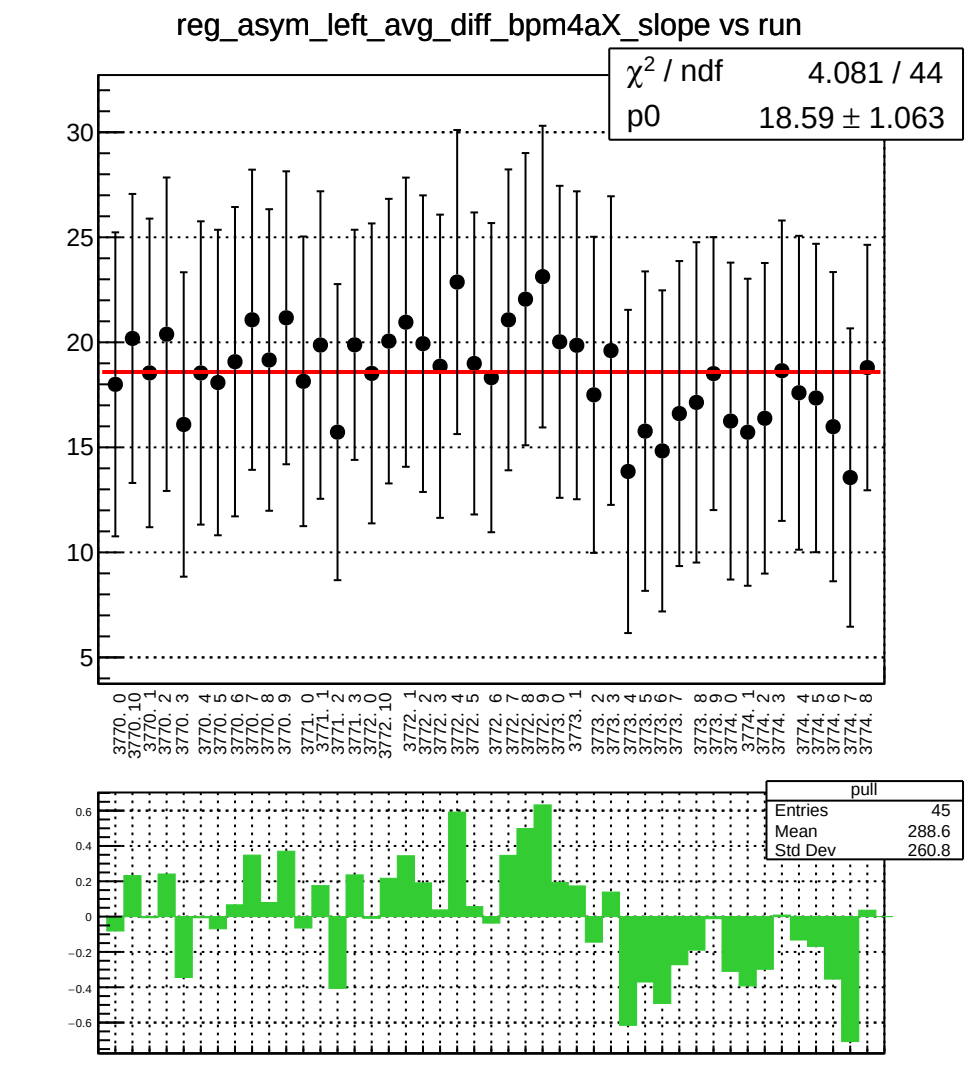

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.525 / 44
p0 −49.33 ± 0.1398
−47.5
−48
−48.5
−49
−49.5
−50
−50.5
−51
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1365
Std Dev 1344
0.6
0.4
0.2
0
−0.2
−0.4

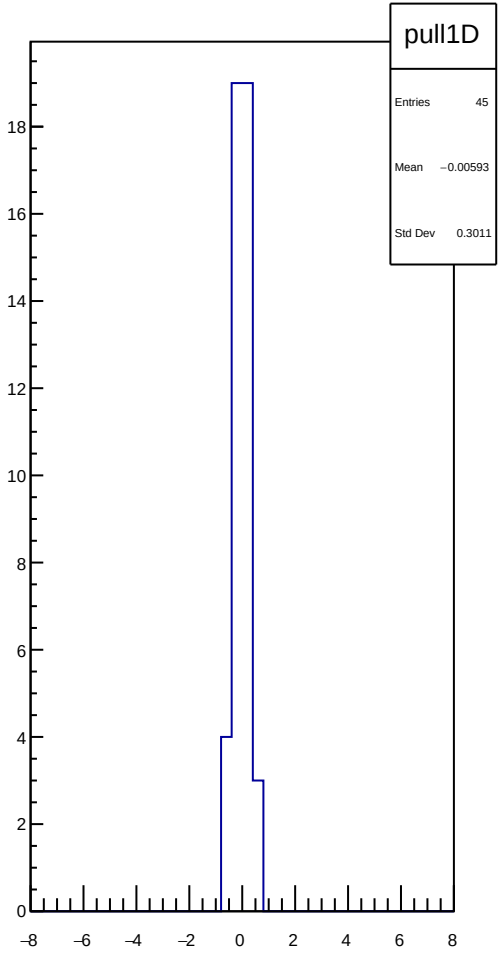

pull1D
Entries 45
Mean 0.001076
Std Dev 0.2369
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

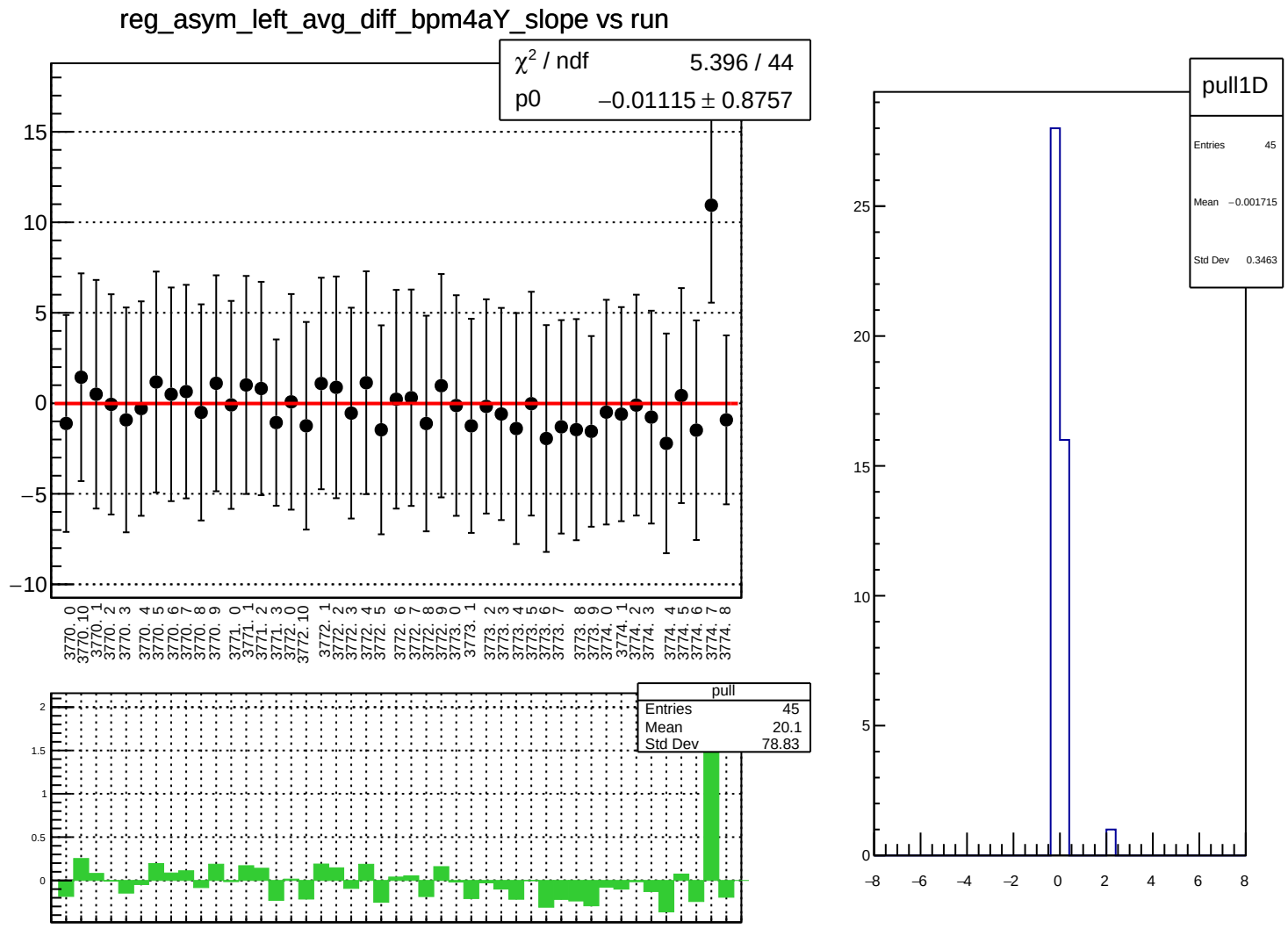

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.174 / 44
p0 8.609 ± 1.068
pull
Entries 45
Mean −64.4
Std Dev 98

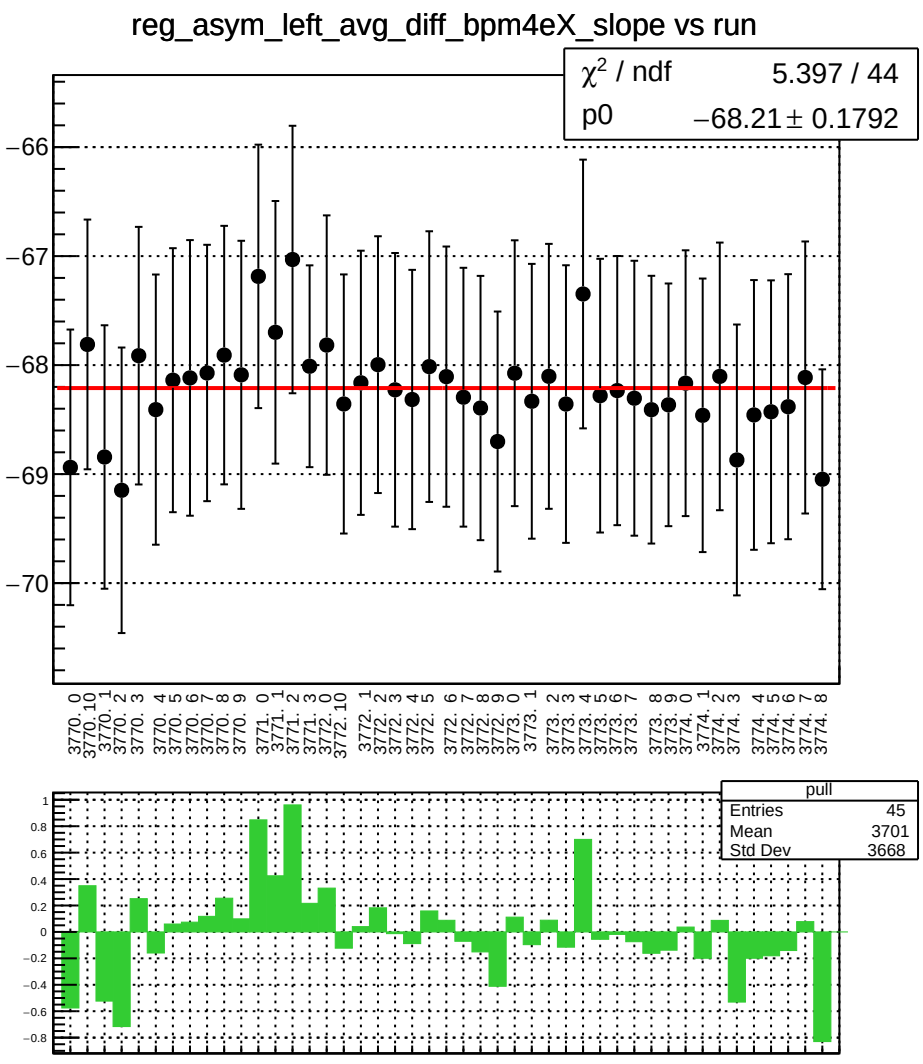

pull1D
Entries 45
Mean 0.003649
Std Dev 0.3045

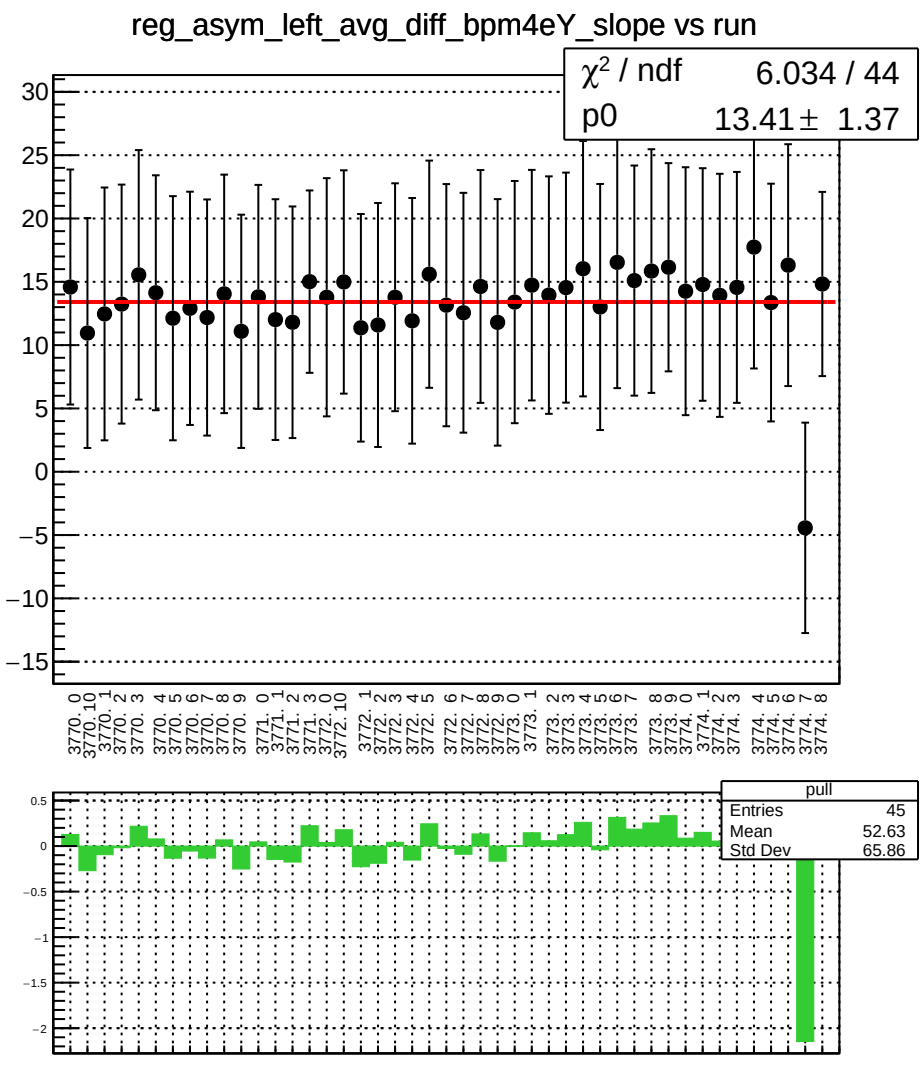

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 1.291 / 44
p0 1.887 ± 0.1915
pull
Entries 45
Mean 176.8
Std Dev 151
pull1D
Entries 45
Mean 0.002719
Std Dev 0.1694

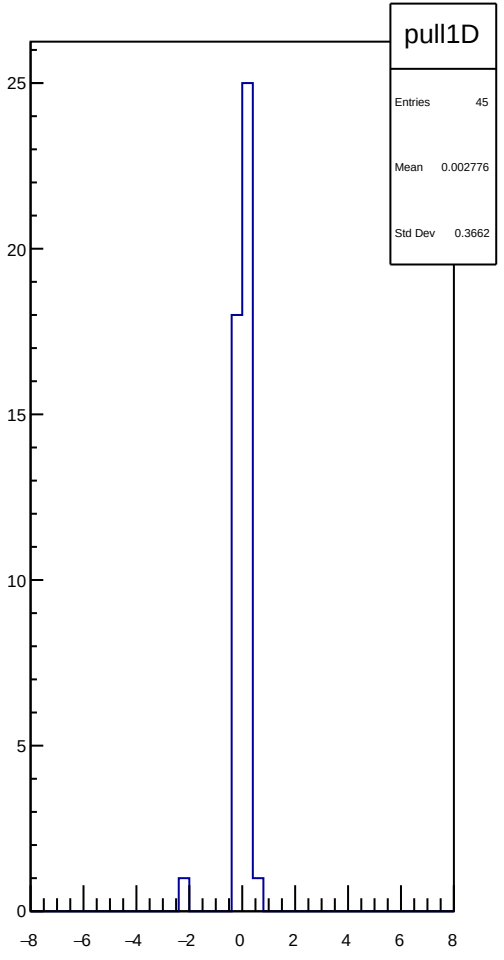

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.081 / 44
p0 18.59 ± 1.063
pull
Entries 45
Mean 288.6
Std Dev 260.8

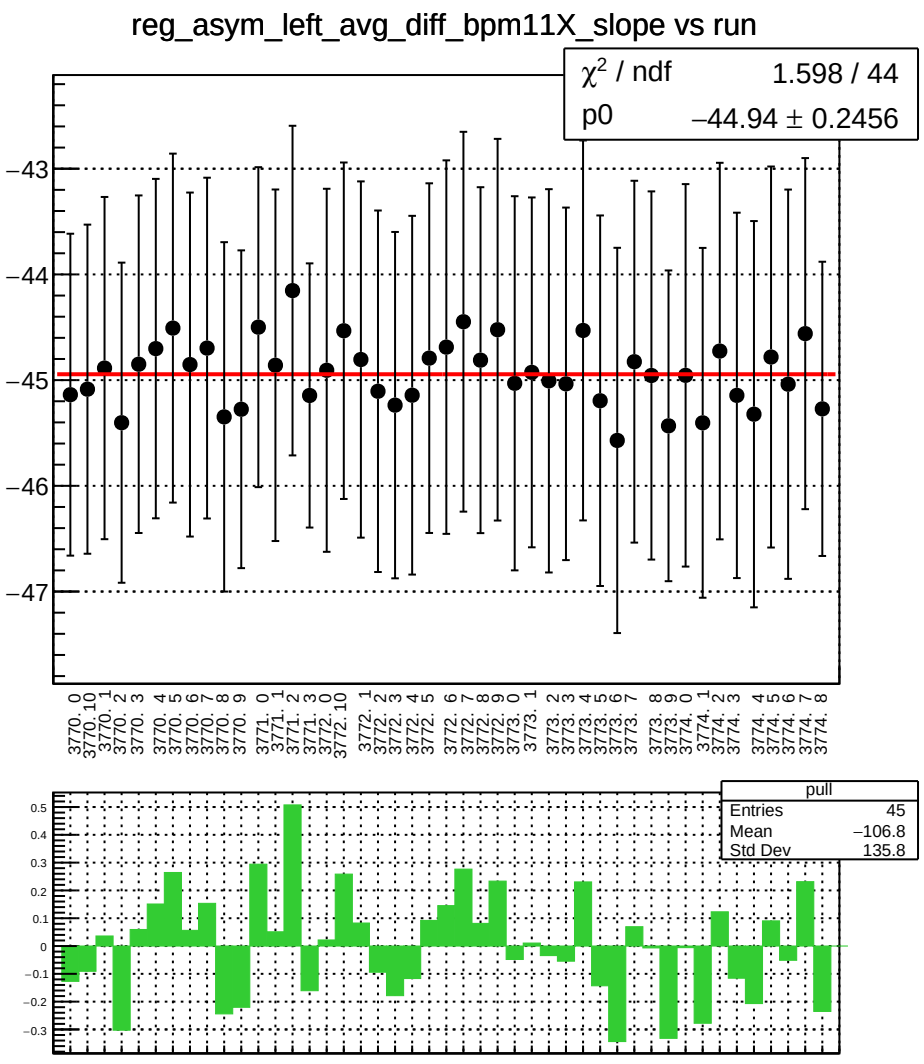

pull1D
Entries 45
Mean −0.00593
Std Dev 0.3011

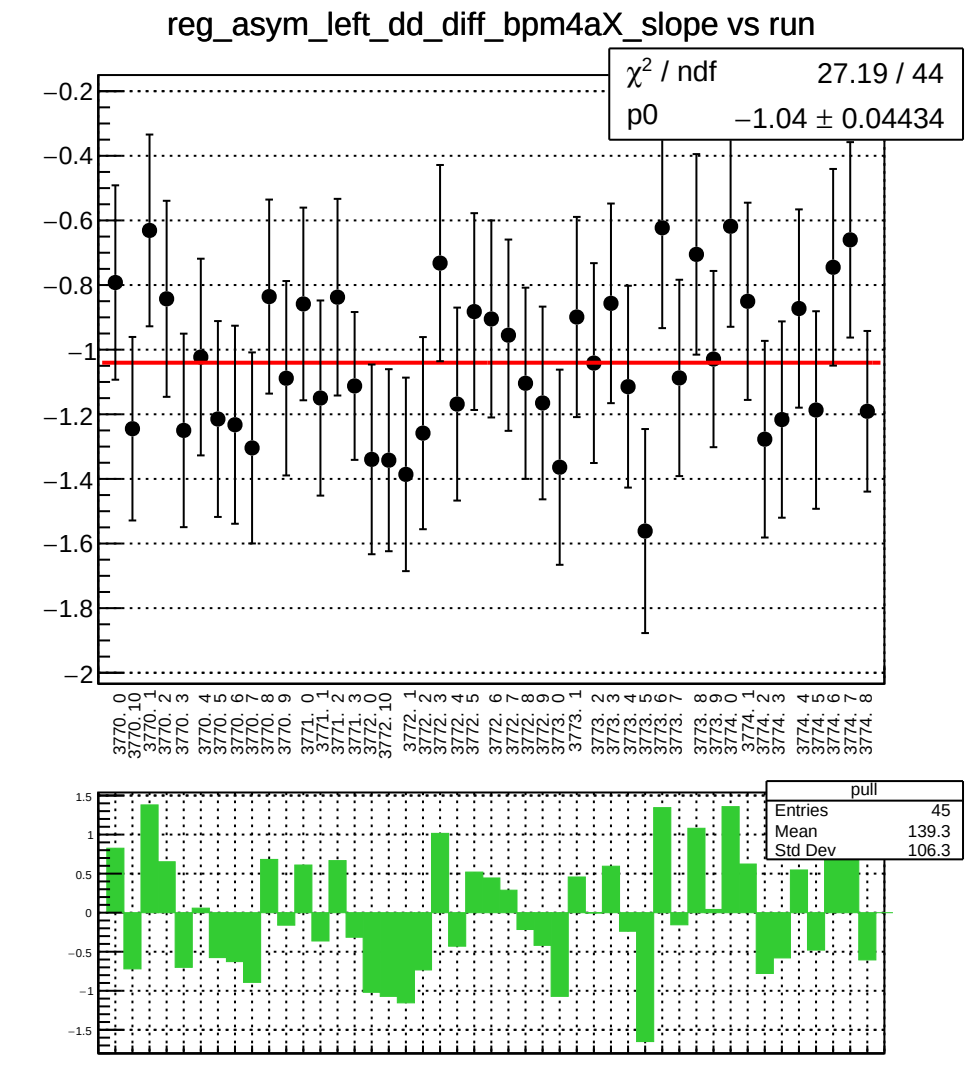

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.396 / 44
p0 −0.01115 ± 0.8757
15
10
5
0
−5
−10
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 20.1
Std Dev 78.83
2
1.5
1
0.5
0
pull1D
Entries 45
Mean −0.001715
Std Dev 0.3463
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

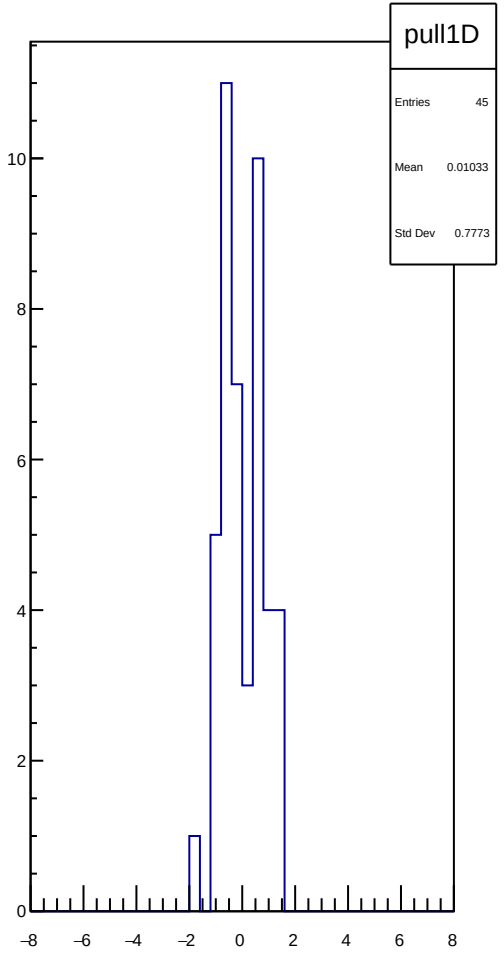

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.397 / 44
p0 −68.21 ± 0.1792
−66
−67
−68
−69
−70
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 3701
Std Dev 3668
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean −0.0002727
Std Dev 0.3463
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

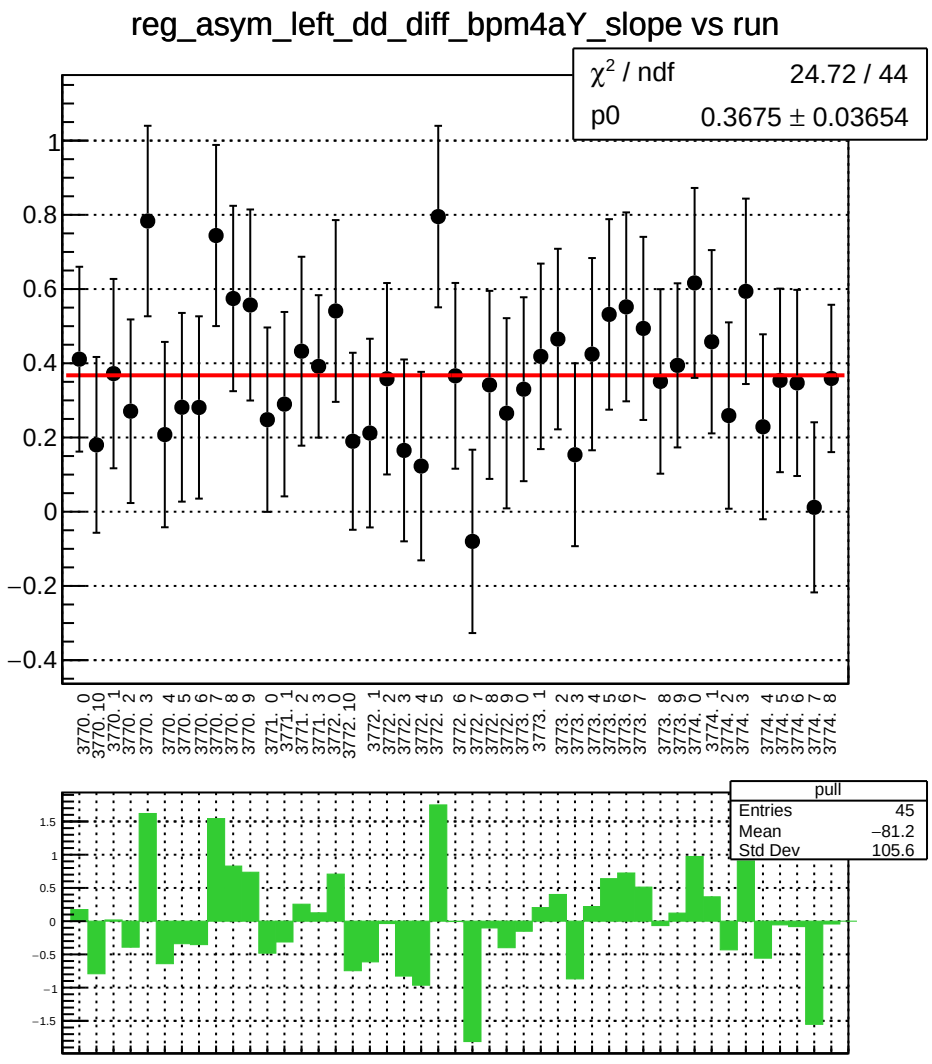

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.034 / 44
p0 13.41 ± 1.37
pull
Entries 45
Mean 52.63
Std Dev 65.86

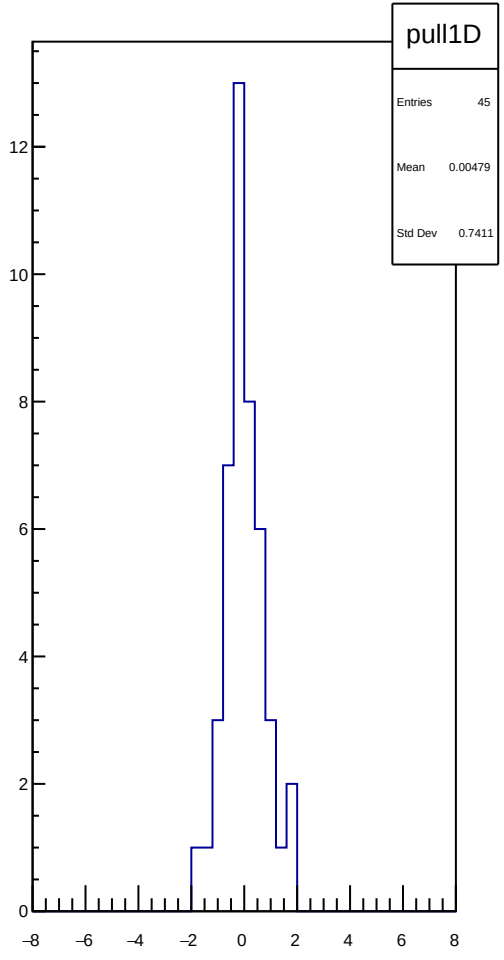

pull1D
Entries 45
Mean 0.002776
Std Dev 0.3662

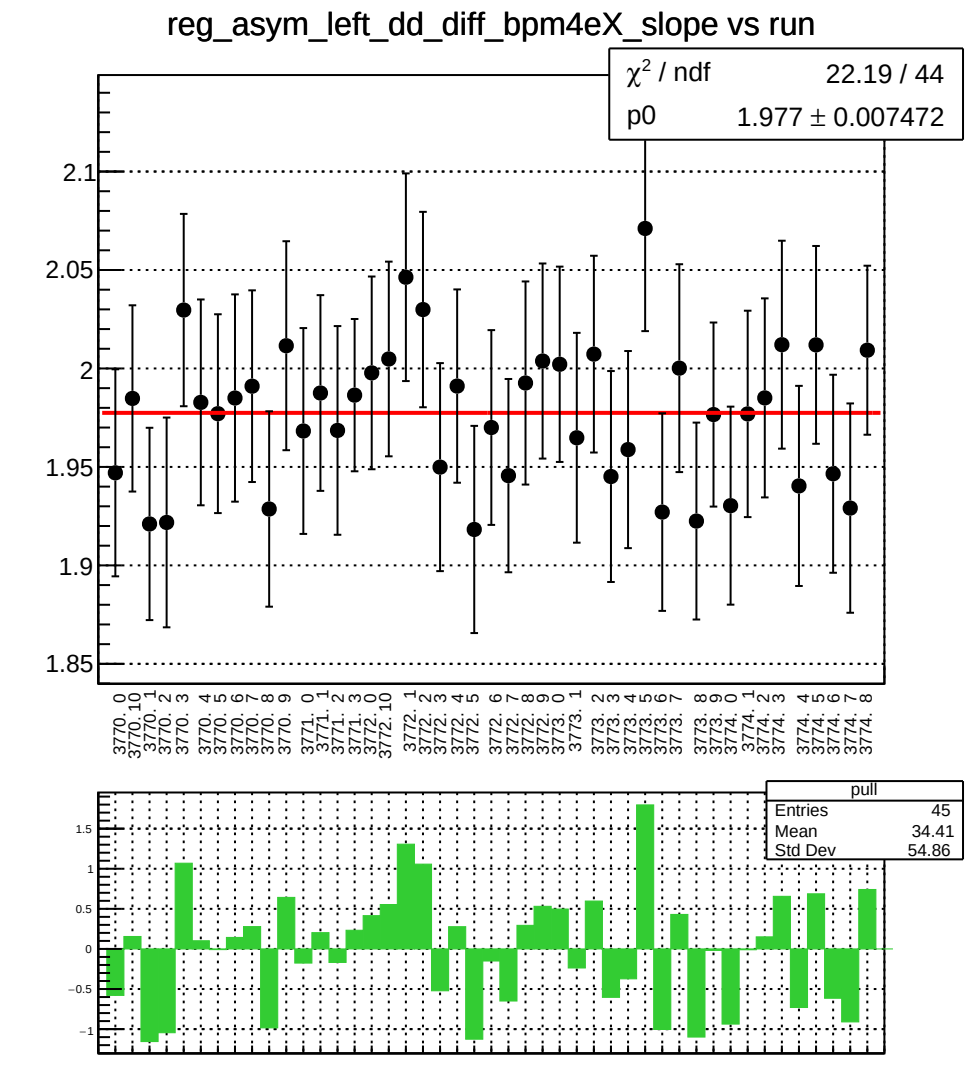

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 1.598 / 44
p0 −44.94 ± 0.2456
−43
−44
−45
−46
−47
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −106.8
Std Dev 135.8
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 45
Mean 0.00294
Std Dev 0.1884
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

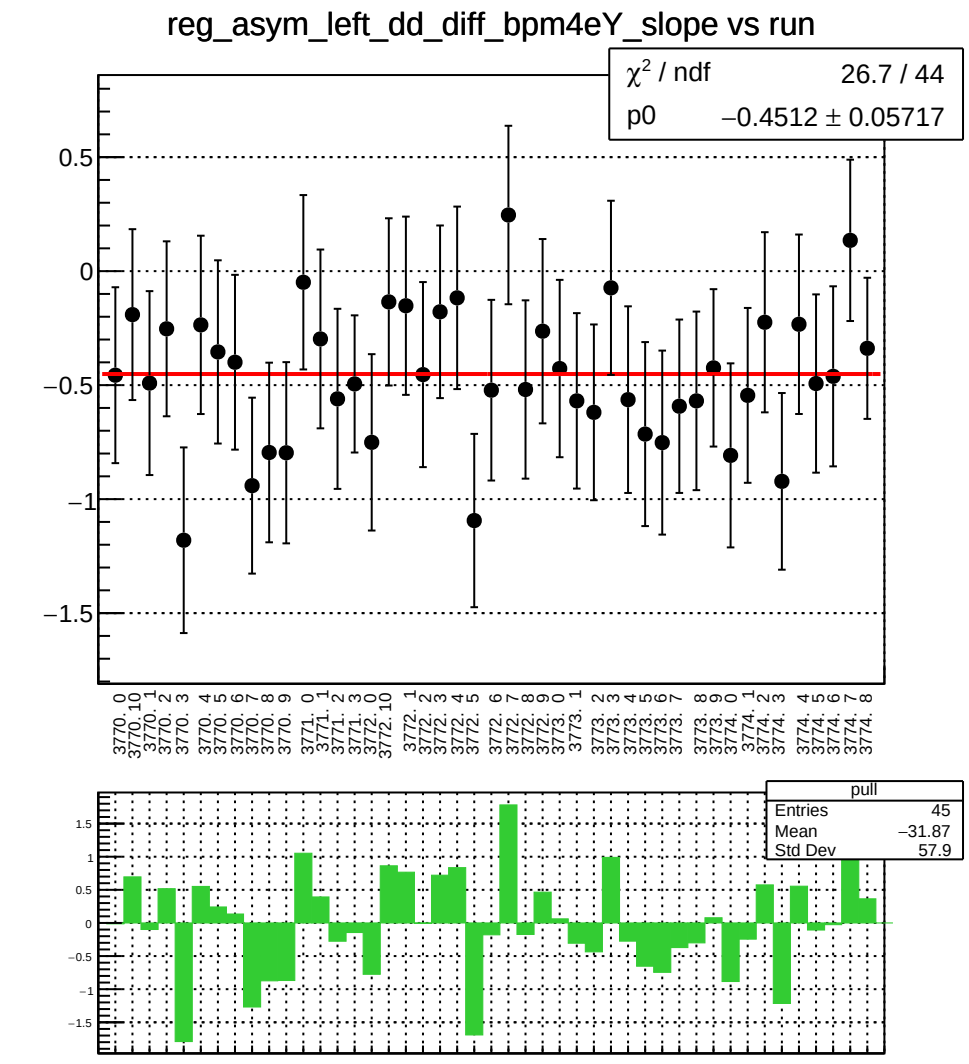

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.19 / 44
p0 −1.04 ± 0.04434
pull
Entries 45
Mean 139.3
Std Dev 106.3

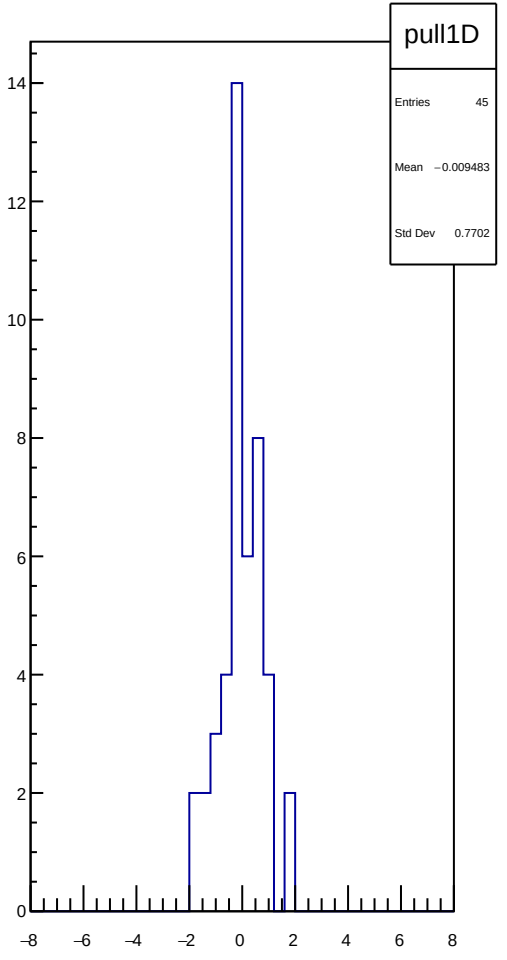

pull1D
Entries 45
Mean 0.01033
Std Dev 0.7773

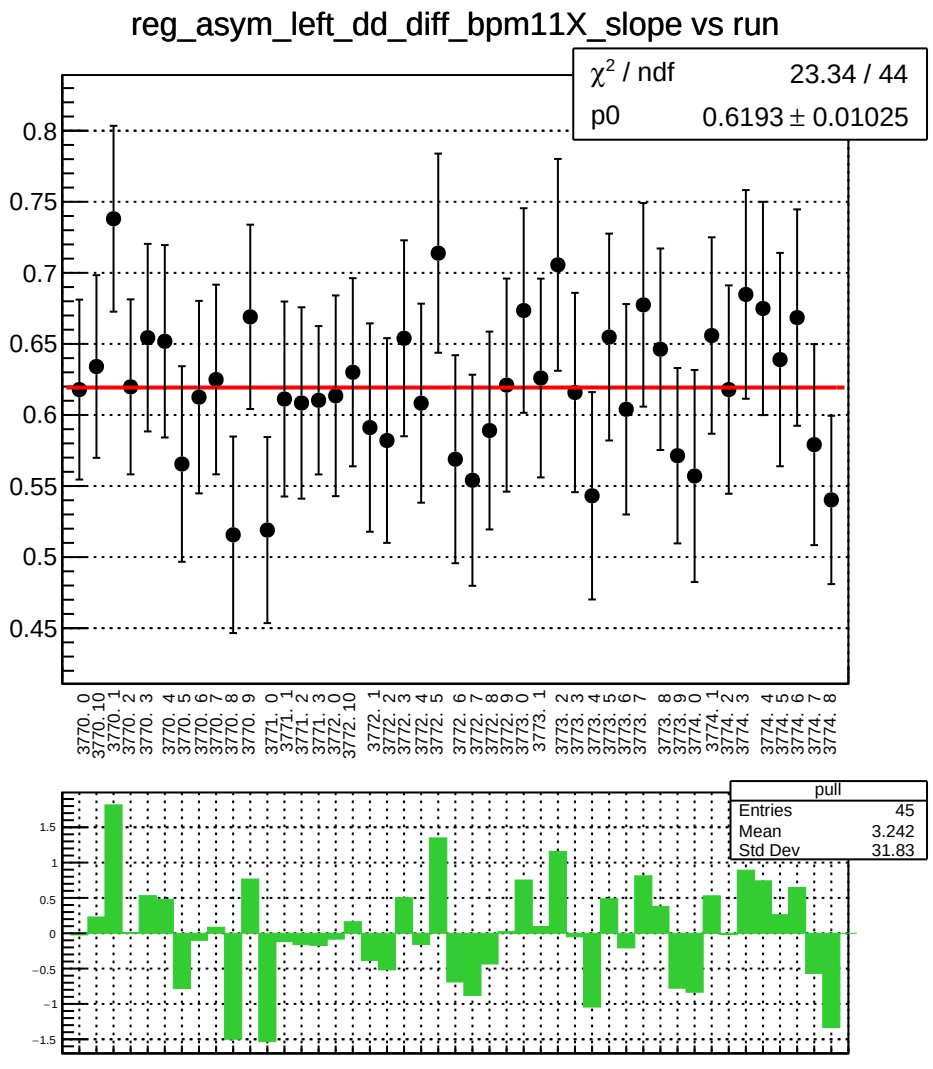

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.72 / 44
p0 0.3675 ± 0.03654
pull
Entries 45
Mean −81.2
Std Dev 105.6

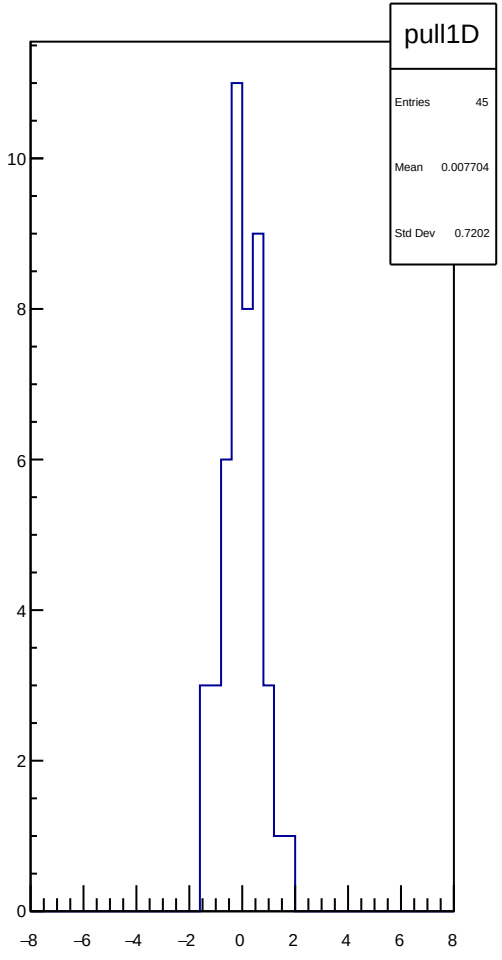

pull1D
Entries 45
Mean 0.00479
Std Dev 0.7411

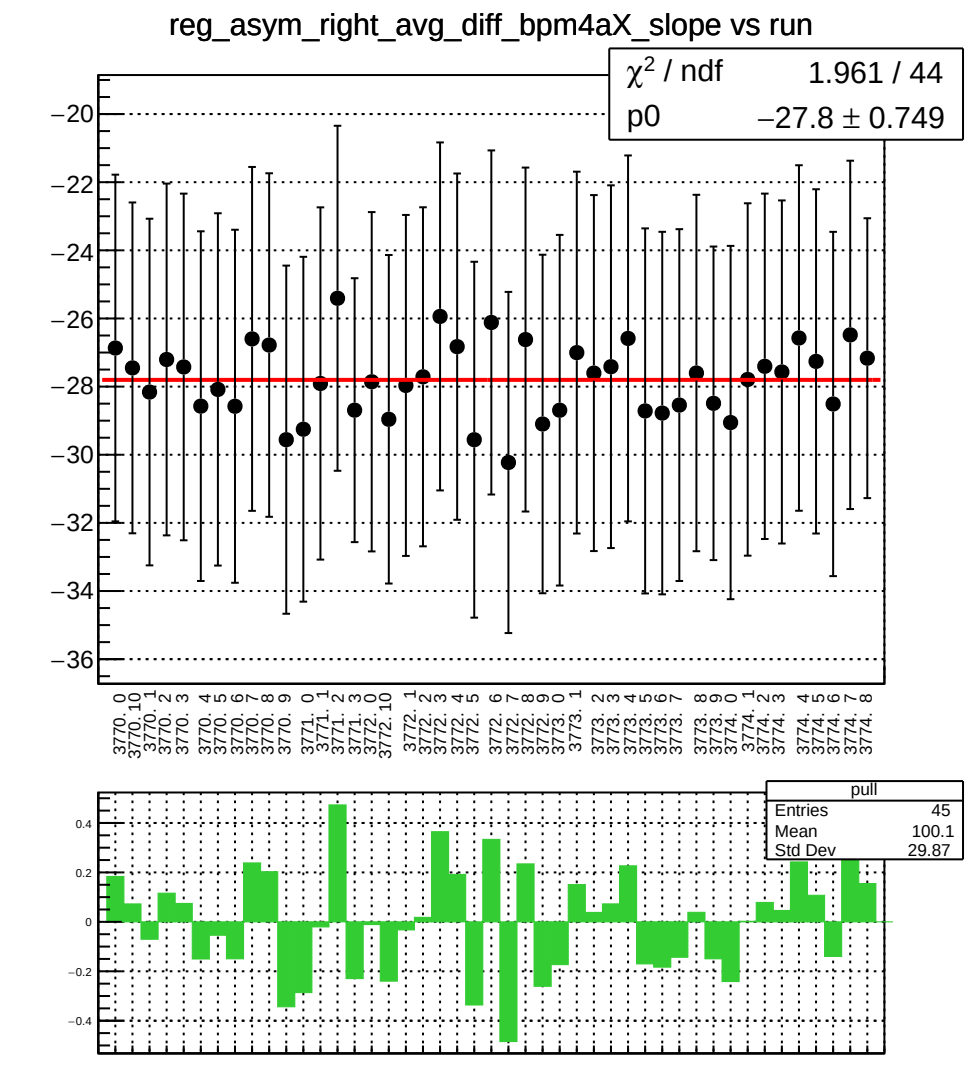

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.19 / 44
p0 1.977 ± 0.007472
2.1
2.05
2
1.95
1.9
1.85
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 34.41
Std Dev 54.86
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean −0.006369
Std Dev 0.7021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

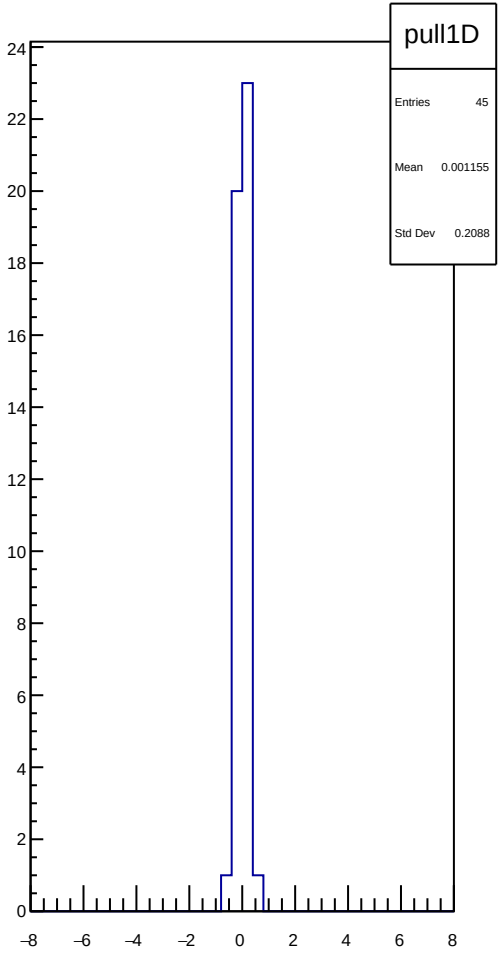

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.7 / 44
p0 −0.4512 ± 0.05717
0.5
0
−0.5
−1
−1.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −31.87
Std Dev 57.9
1.5
1
0.5
0
−0.5
−1
−1.5

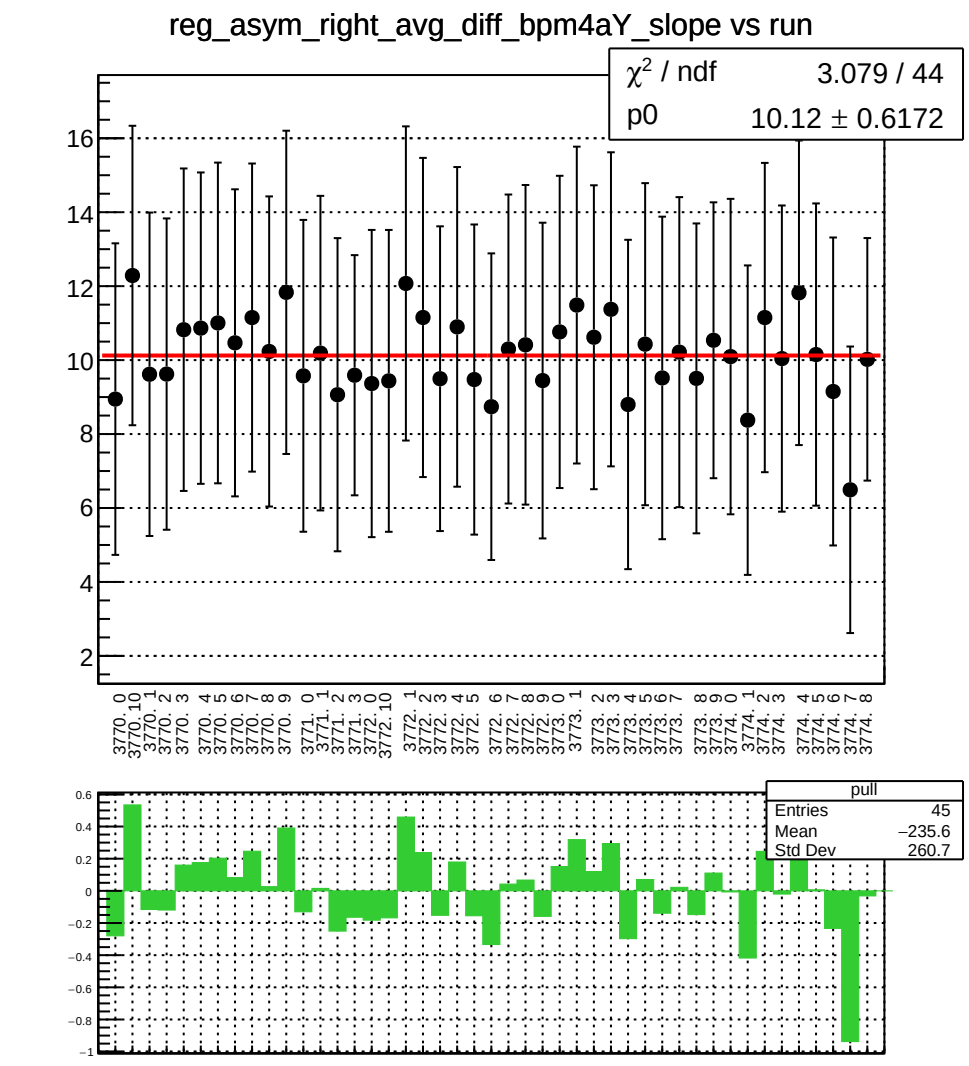

pull1D
Entries 45
Mean −0.009483
Std Dev 0.7702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

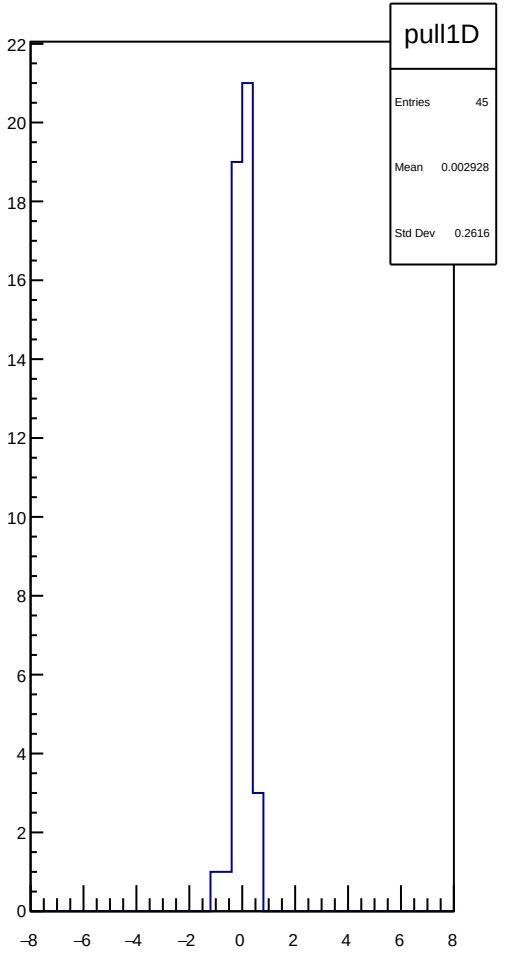

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 23.34 / 44
p0 0.6193 ± 0.01025
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 3.242
Std Dev 31.83
1.5
1
0.5
0
−0.5
−1
−1.5

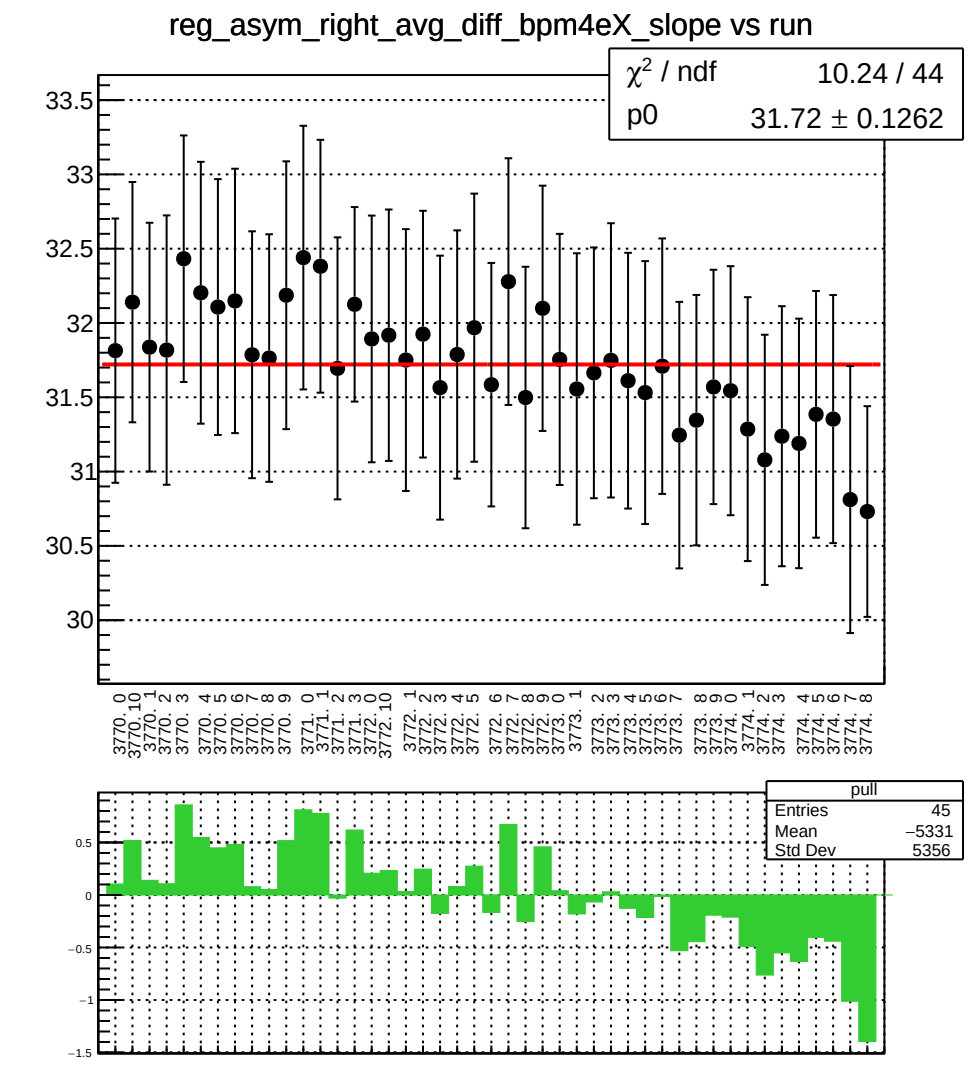

pull1D
Entries 45
Mean 0.007704
Std Dev 0.7202
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

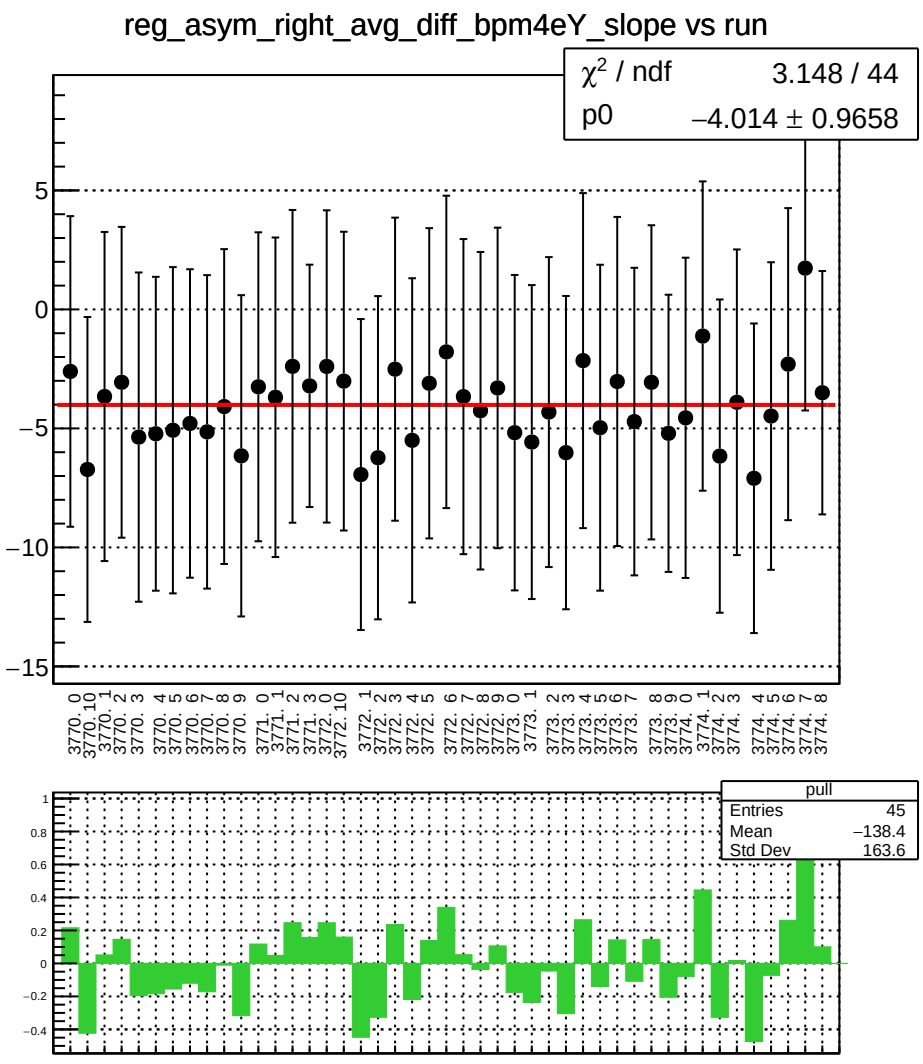

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.961 / 44
p0 −27.8 ± 0.749
pull
Entries 45
Mean 100.1
Std Dev 29.87

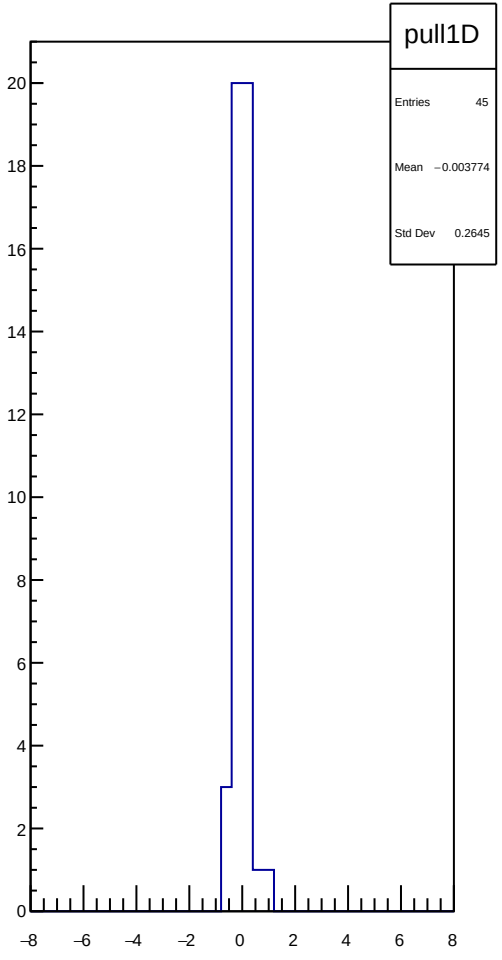

pull1D
Entries 45
Mean 0.001155
Std Dev 0.2088

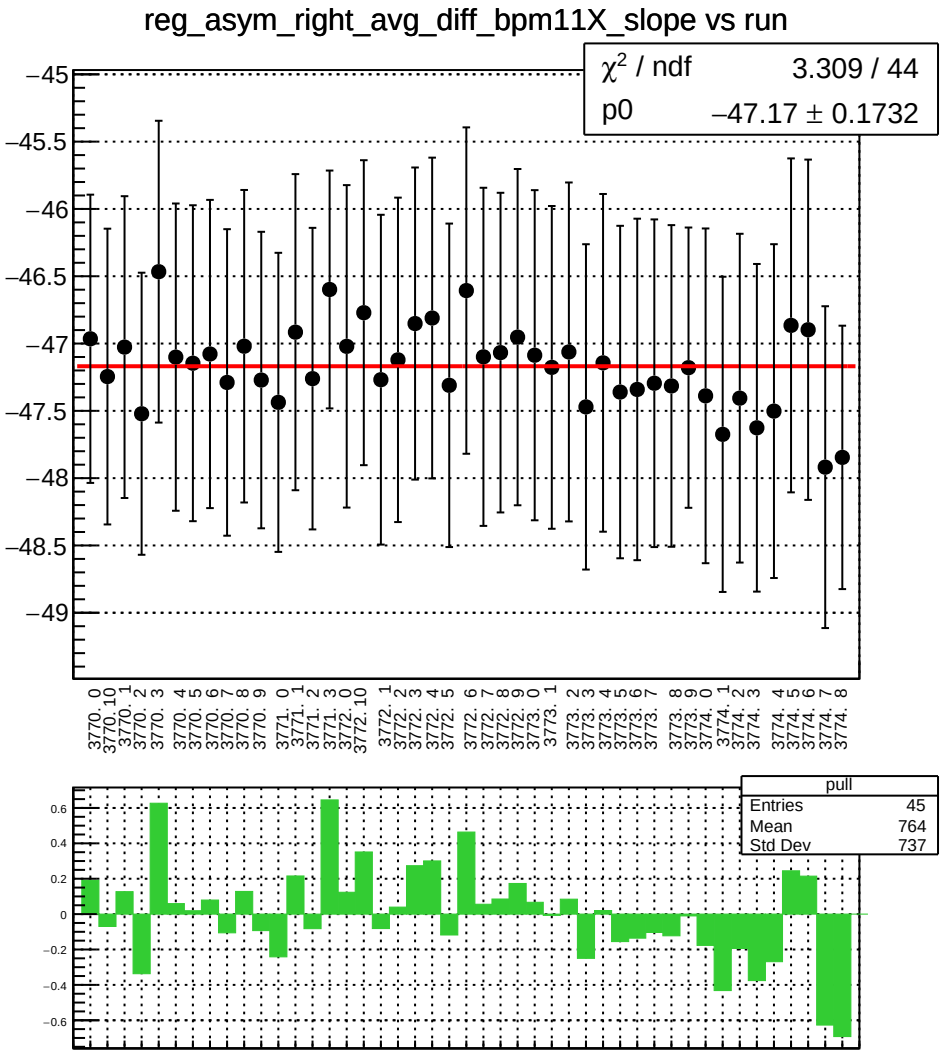

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.079 / 44
p0 10.12 ± 0.6172
pull
Entries 45
Mean −235.6
Std Dev 260.7

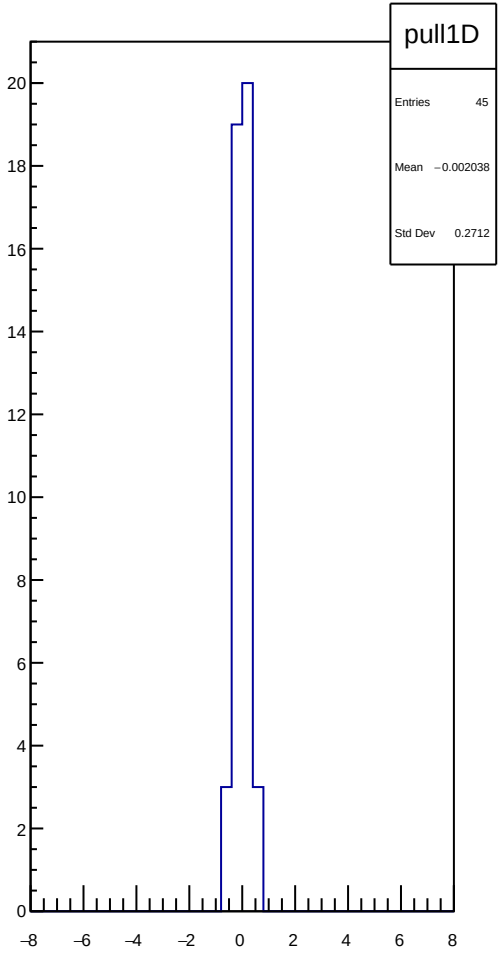

pull1D
Entries 45
Mean 0.002928
Std Dev 0.2616

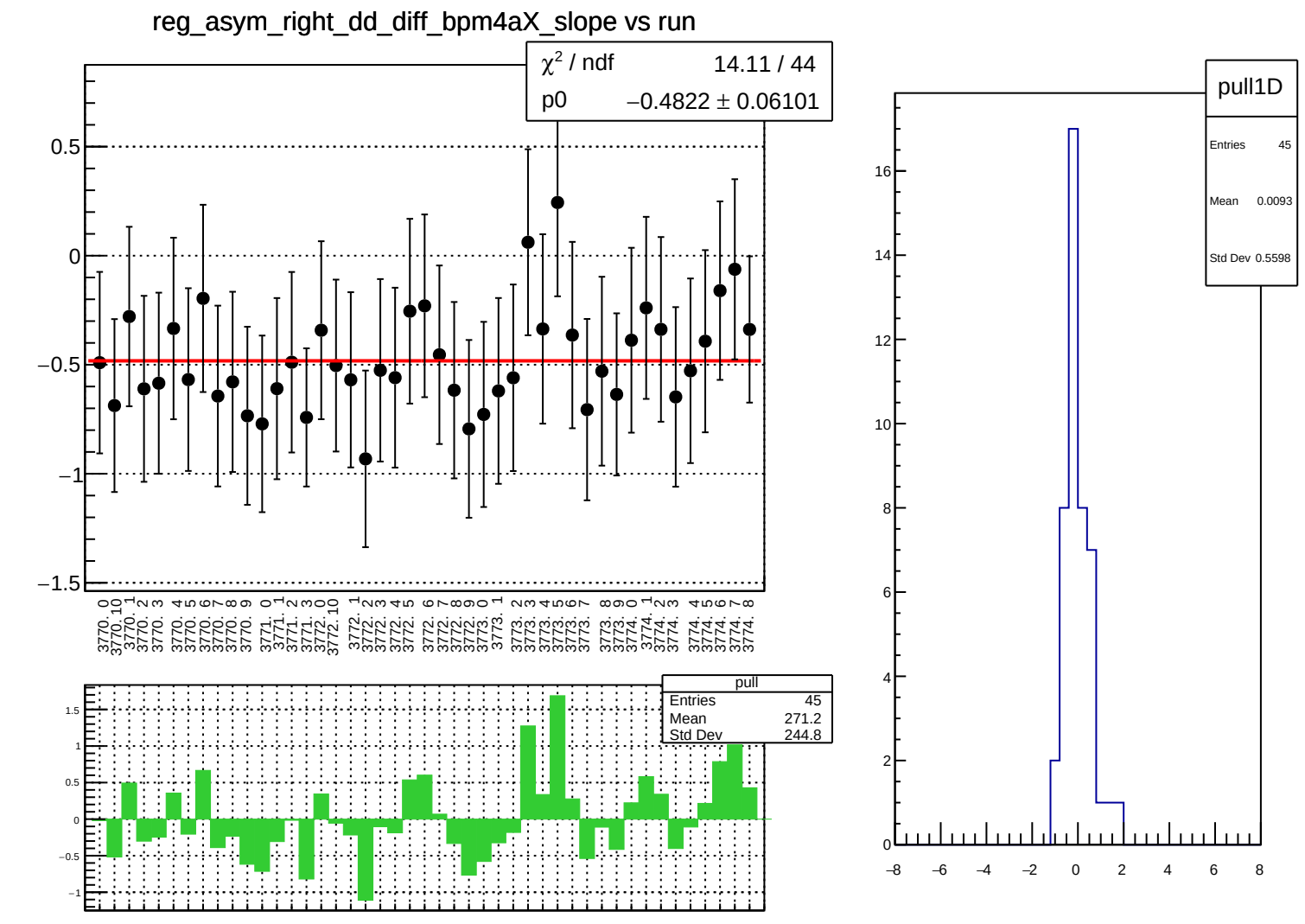

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.24 / 44
p0 31.72 ± 0.1262
33.5
33
32.5
32
31.5
31
30.5
30
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −5331
Std Dev 5356
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean 0.0009058
Std Dev 0.477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

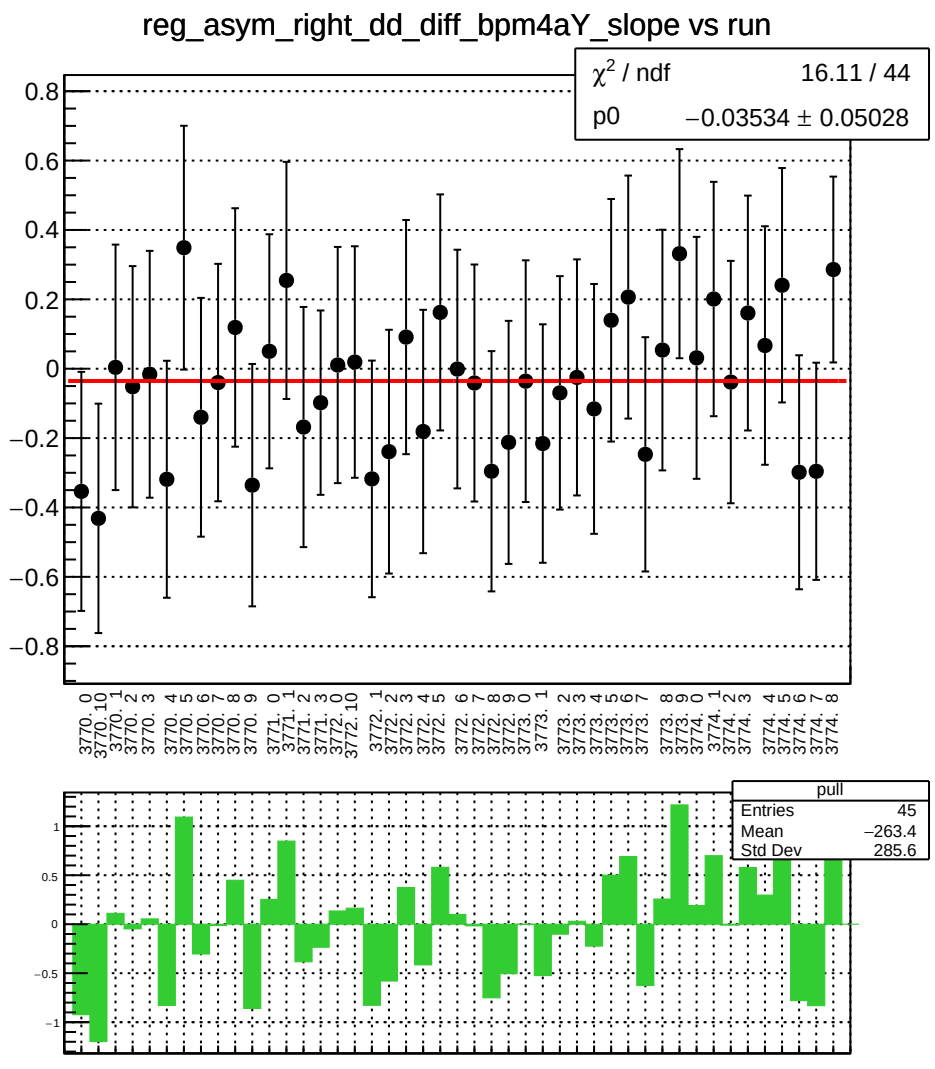

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.148 / 44
p0 −4.014 ± 0.9658
pull
Entries 45
Mean −138.4
Std Dev 163.6

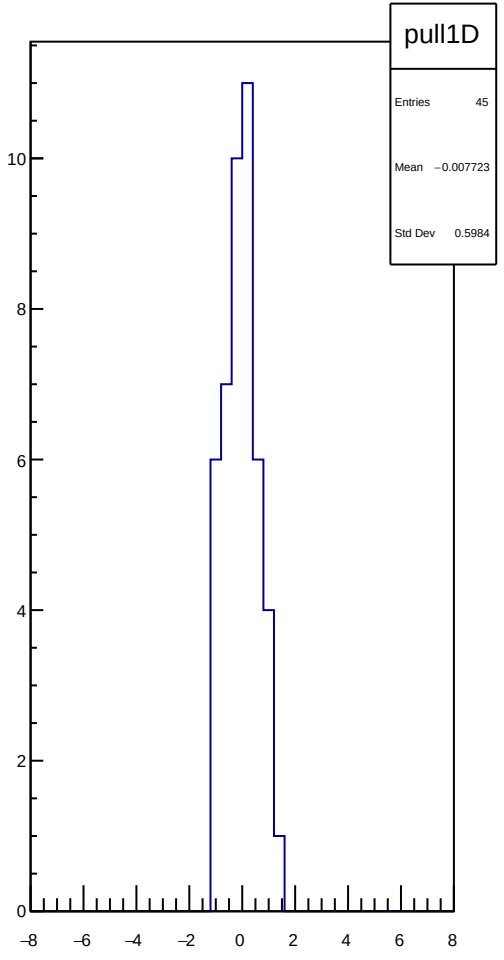

pull1D
Entries 45
Mean −0.003774
Std Dev 0.2645

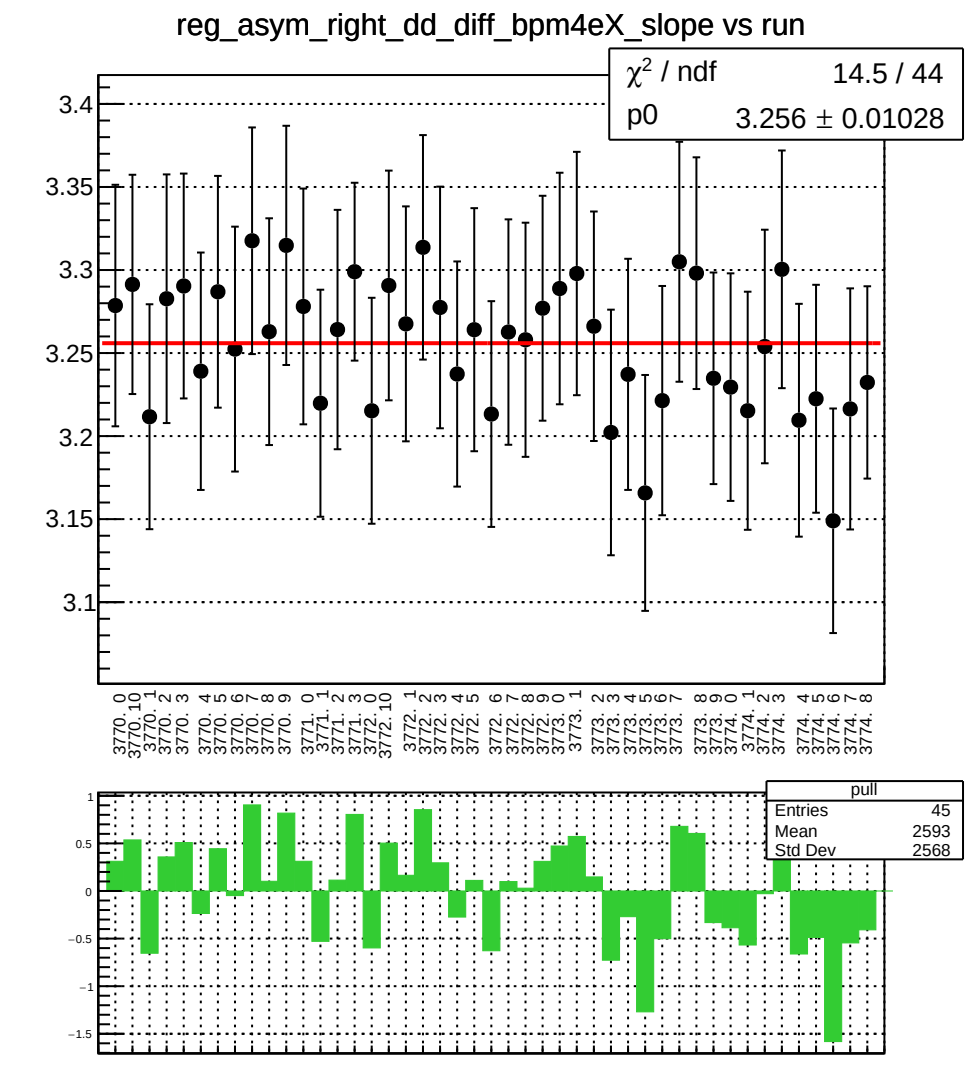

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 3.309 / 44
p0 −47.17 ± 0.1732
pull
Entries 45
Mean 764
Std Dev 737

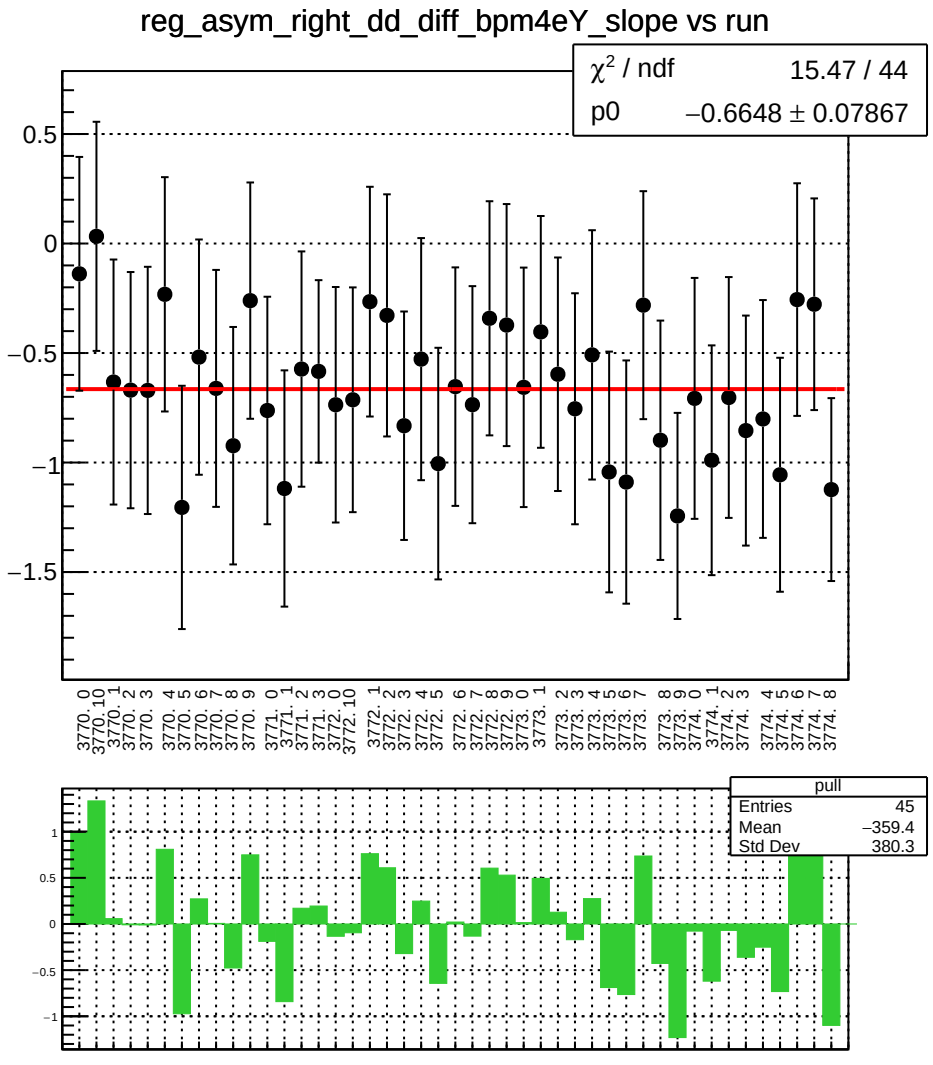

pull1D
Entries 45
Mean −0.002038
Std Dev 0.2712

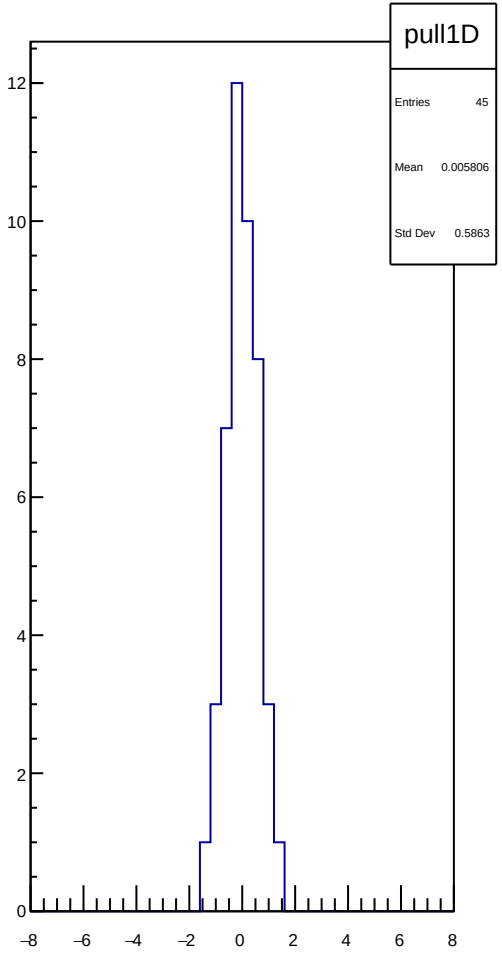

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.11 / 44
p0 −0.4822 ± 0.06101
0.5
0
−0.5
−1
−1.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 271.2
Std Dev 244.8
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean 0.0093
Std Dev 0.5598
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

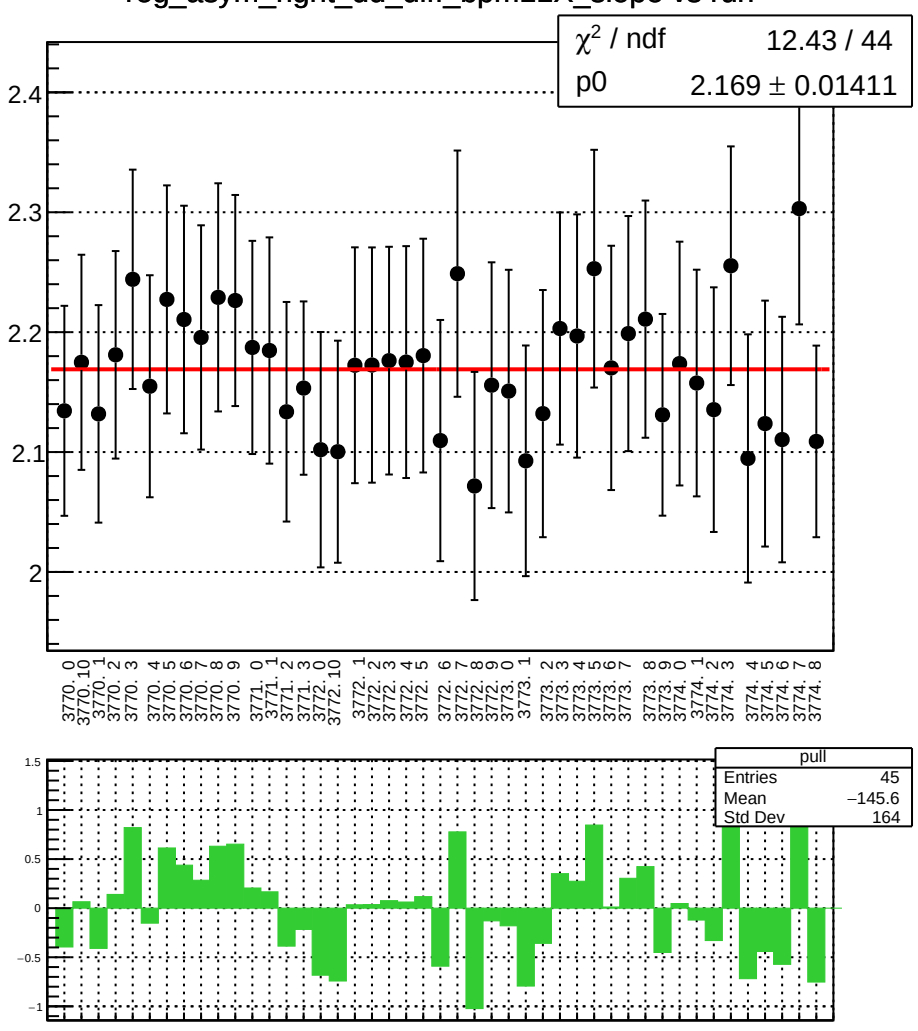

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.11 / 44
p0 −0.03534 ± 0.05028
pull
Entries 45
Mean −263.4
Std Dev 285.6

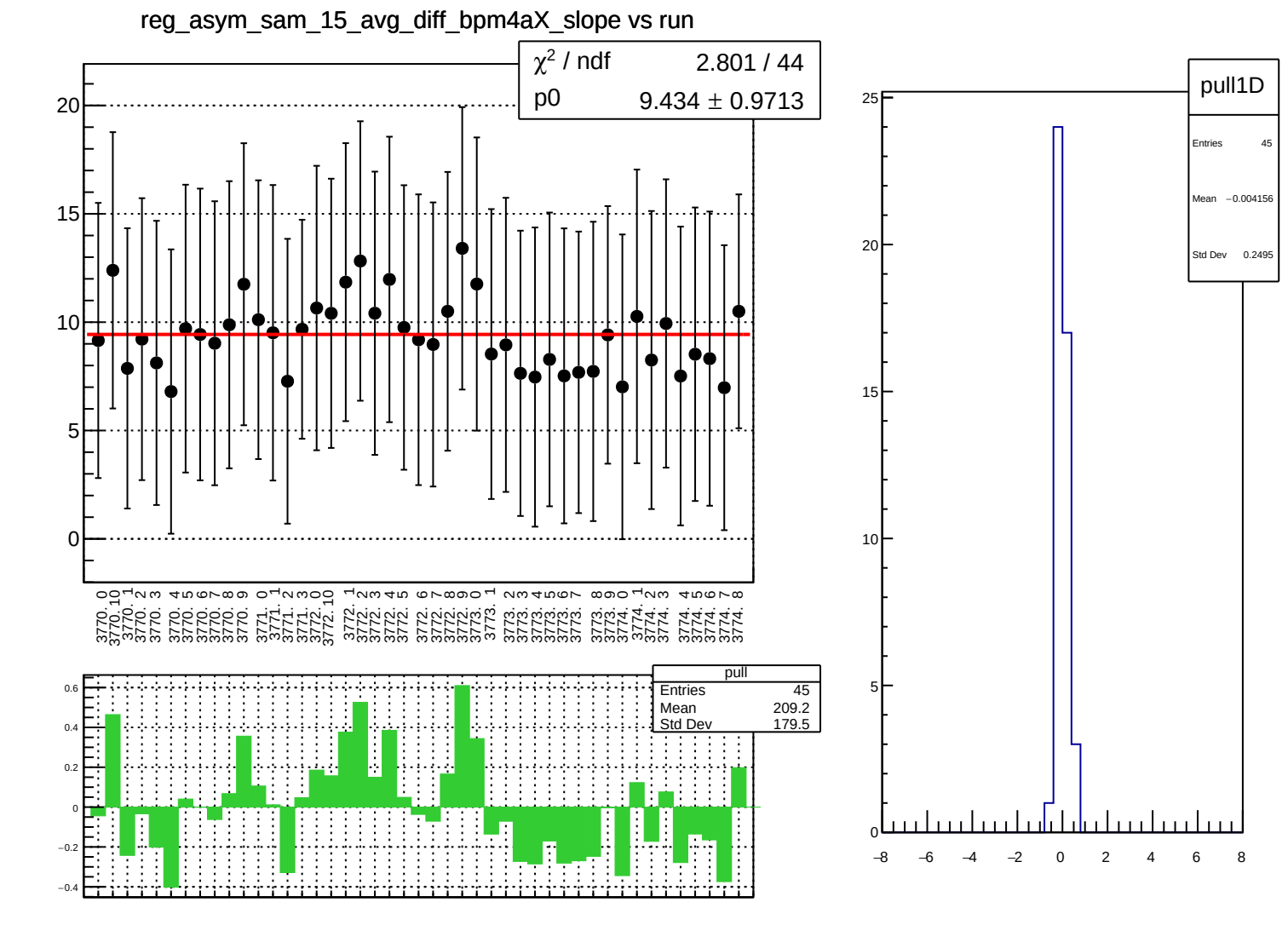

pull1D
Entries 45
Mean −0.007723
Std Dev 0.5984

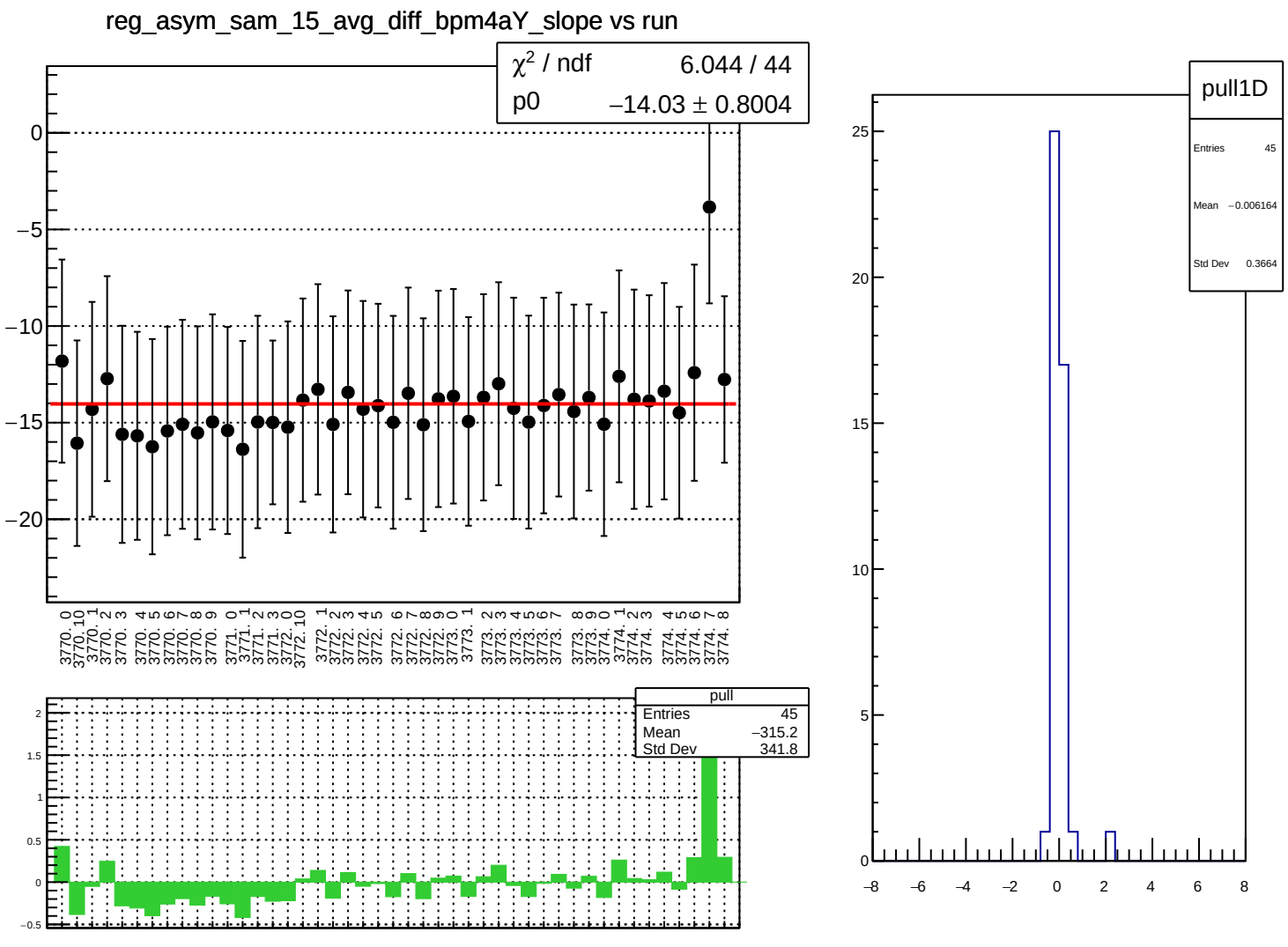

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.5 / 44
p0 3.256 ± 0.01028
3.4
3.35
3.3
3.25
3.2
3.15
3.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2593
Std Dev 2568
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean −0.001209
Std Dev 0.5677
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

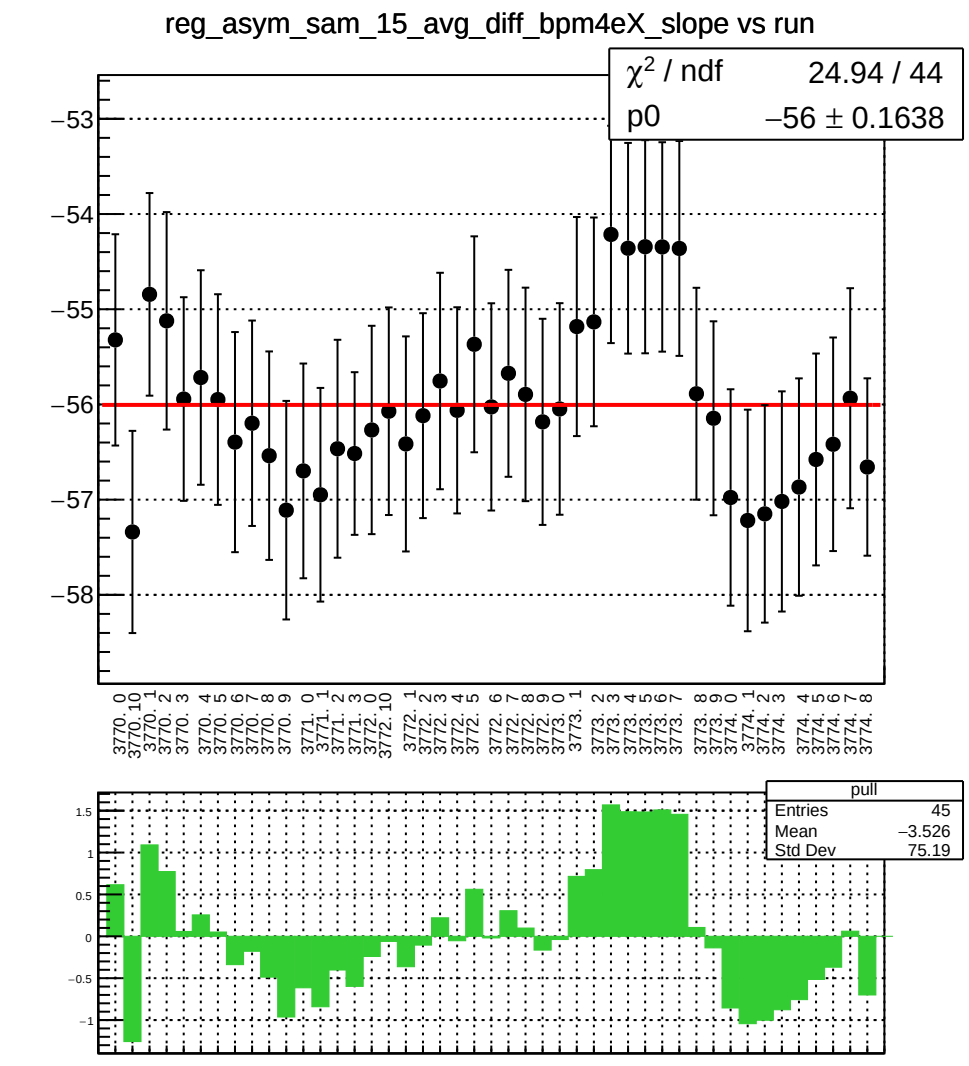

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.47 / 44
p0 −0.6648 ± 0.07867
0.5
0
−0.5
−1
−1.5
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −359.4
Std Dev 380.3
1
0.5
0
−0.5
−1

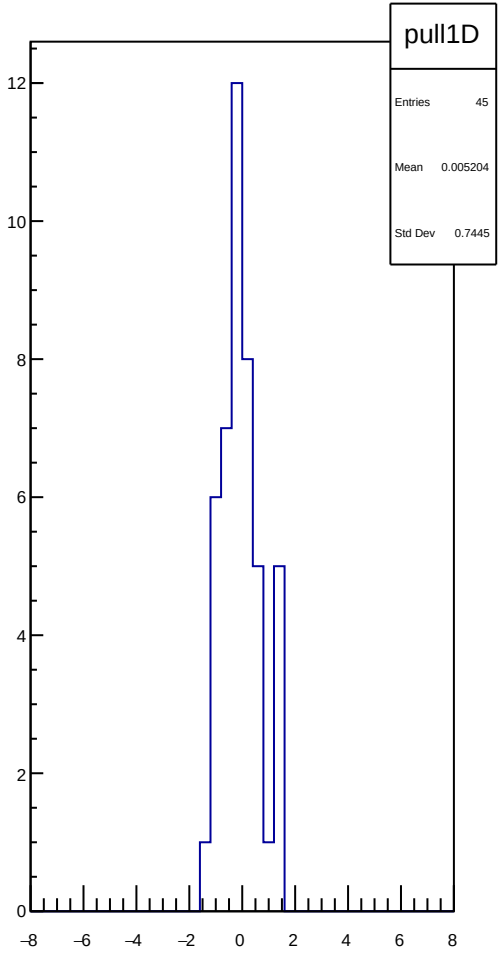

pull1D
Entries 45
Mean 0.005806
Std Dev 0.5863
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

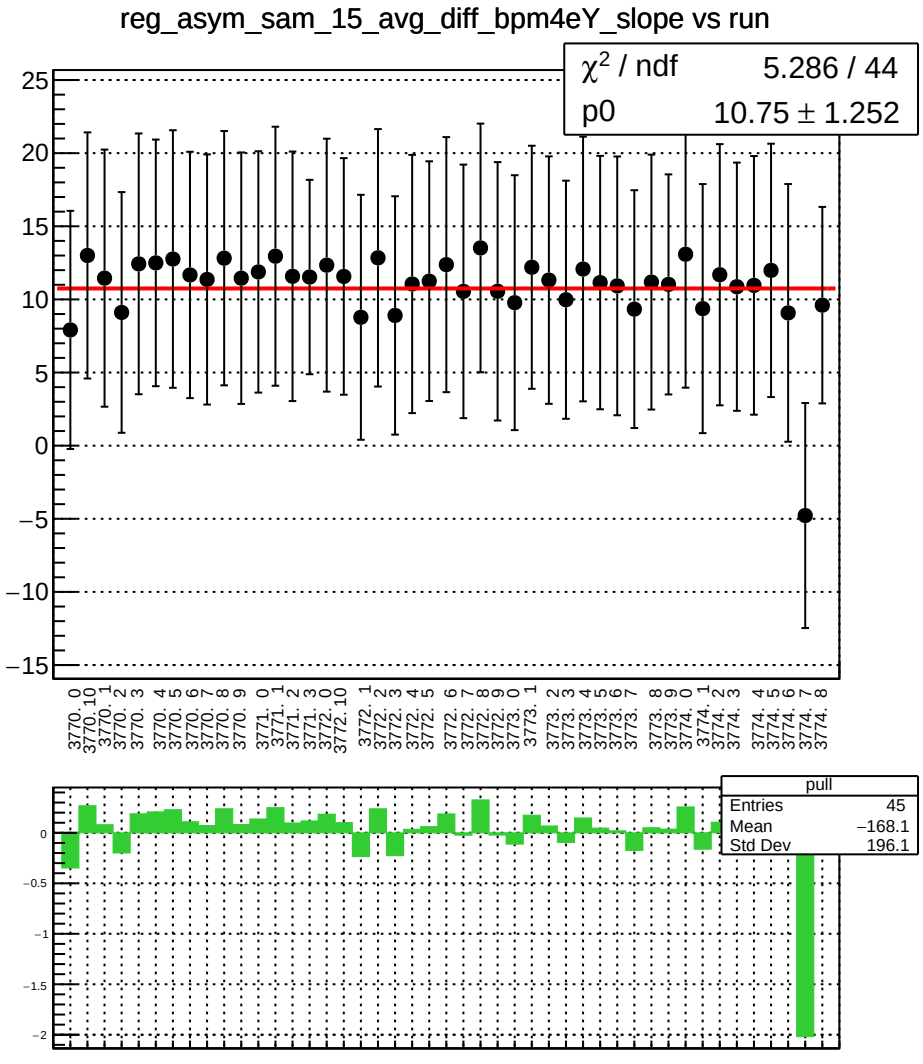

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 12.43 / 44
p0 2.169 ± 0.01411
2.4
2.3
2.2
2.1
2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −145.6
Std Dev 164
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 45
Mean 0.004143
Std Dev 0.5255
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

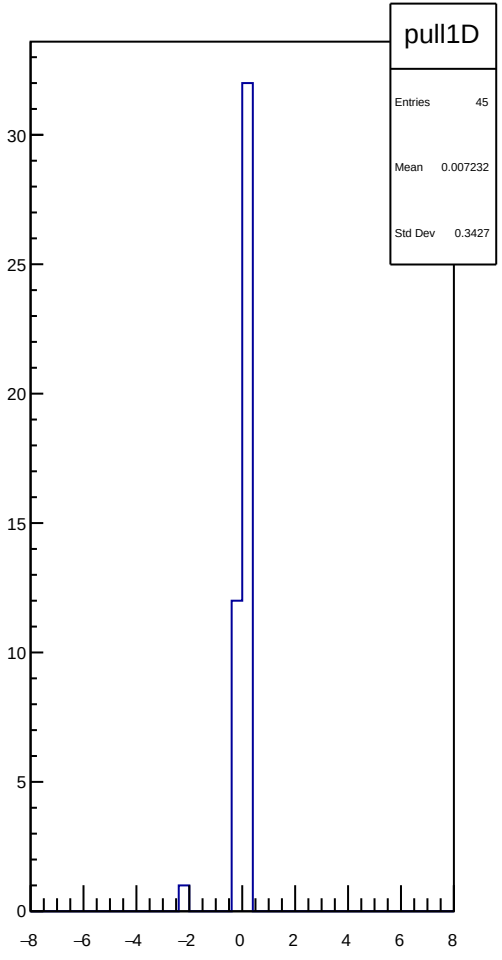

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.801 / 44
p0 9.434 ± 0.9713
pull
Entries 45
Mean 209.2
Std Dev 179.5
pull1D
Entries 45
Mean −0.004156
Std Dev 0.2495

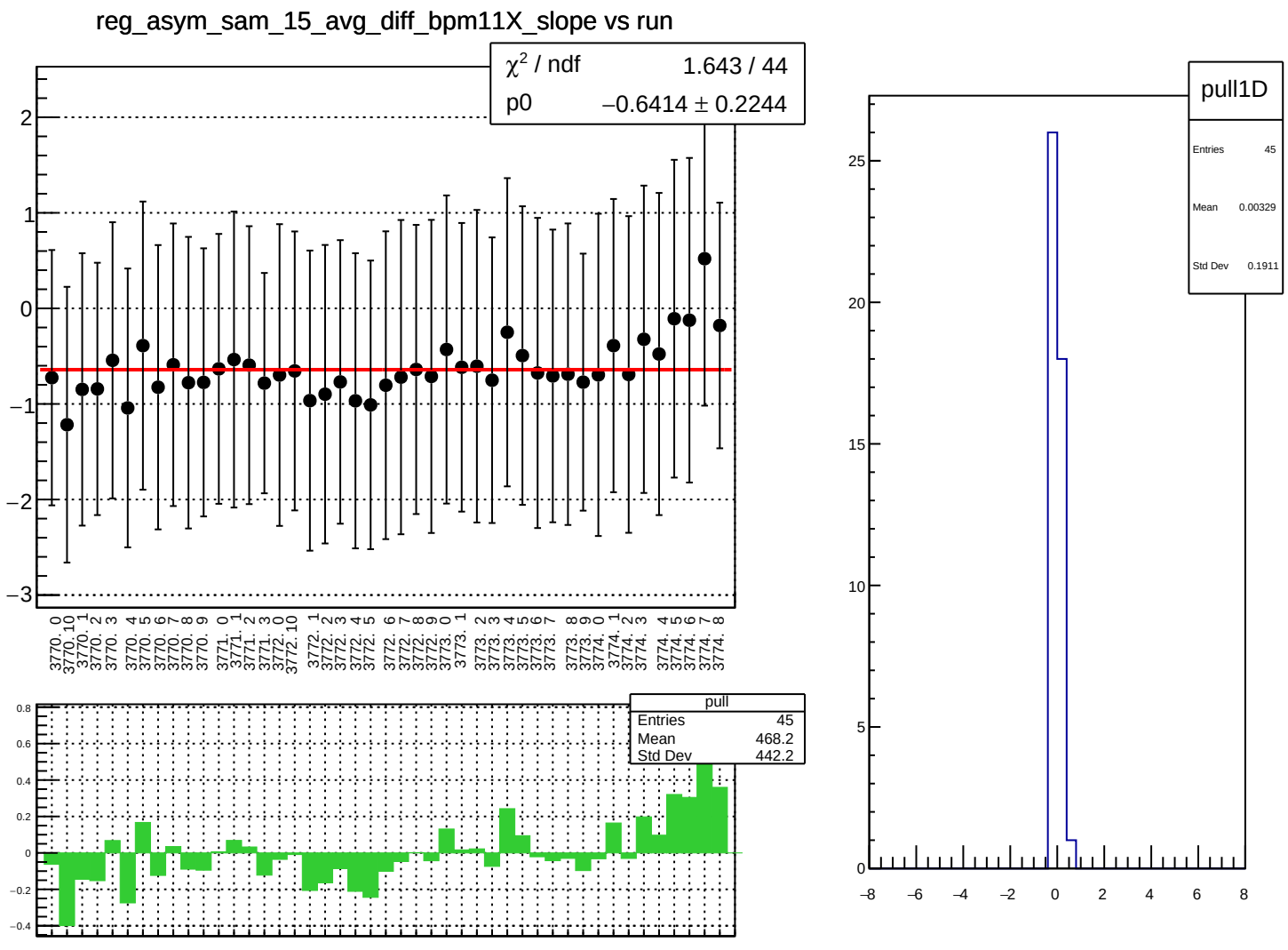

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.044 / 44
p0 −14.03 ± 0.8004
pull
Entries 45
Mean −315.2
Std Dev 341.8
pull1D
Entries 45
Mean −0.006164
Std Dev 0.3664

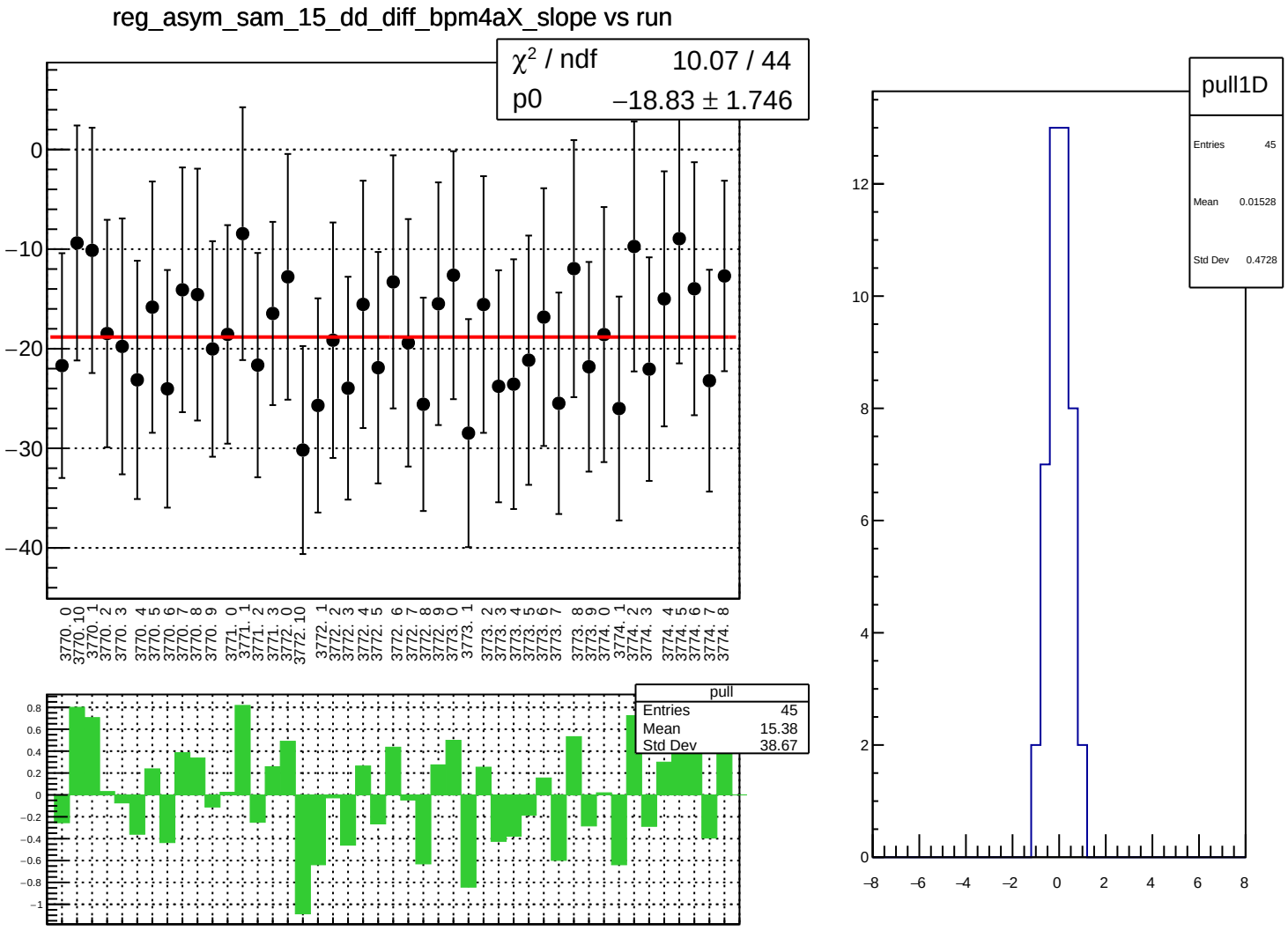

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.94 / 44
p0 −56 ± 0.1638
−53
−54
−55
−56
−57
−58
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −3.526
Std Dev 75.19
1.5
1
0.5
0
−0.5
−1

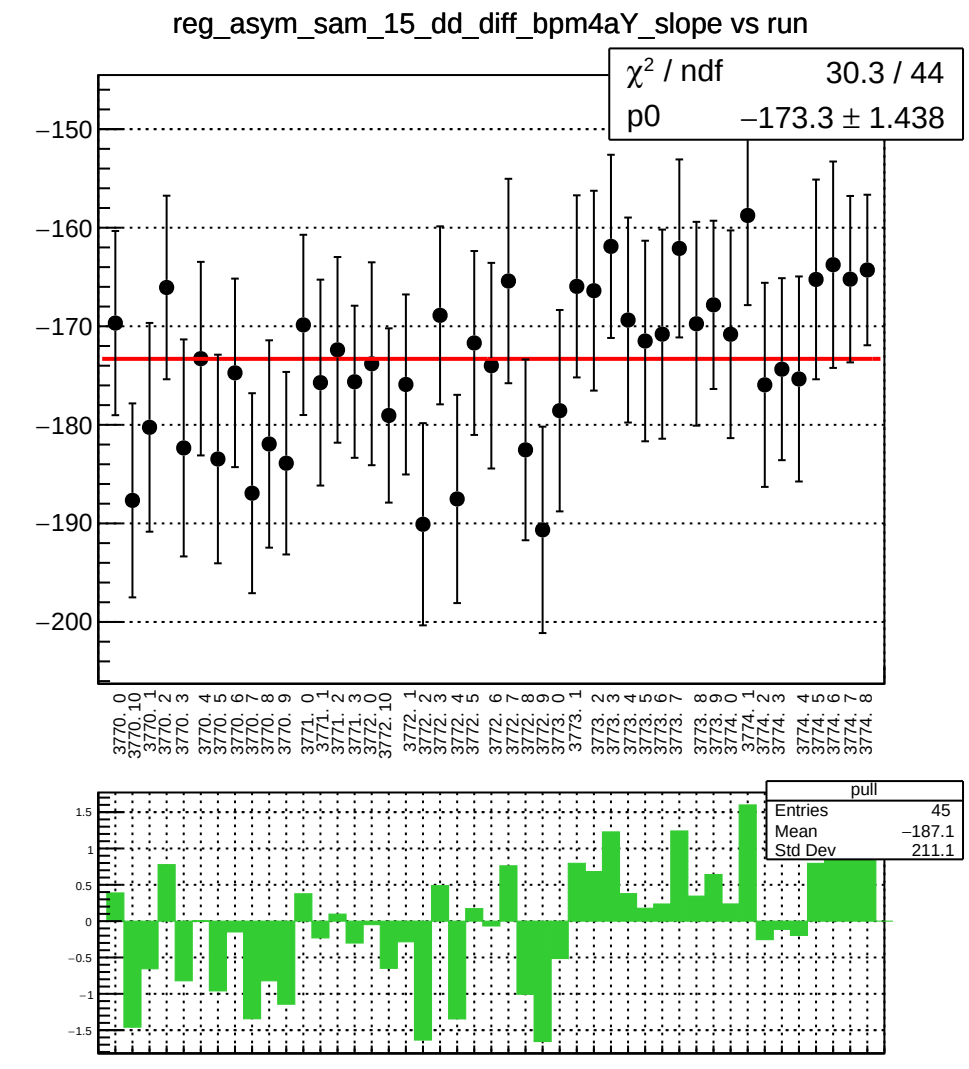

pull1D
Entries 45
Mean 0.005204
Std Dev 0.7445
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

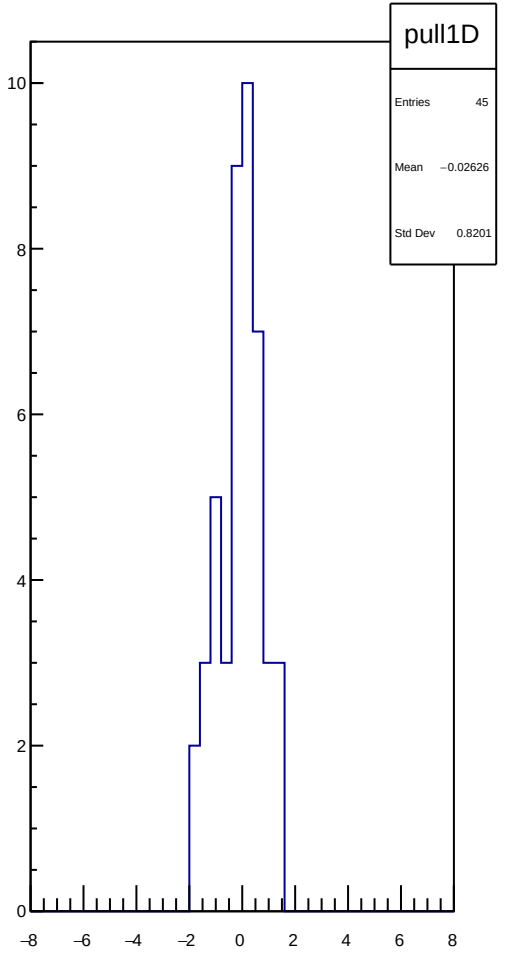

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.286 / 44
p0 10.75 ± 1.252
pull
Entries 45
Mean −168.1
Std Dev 196.1

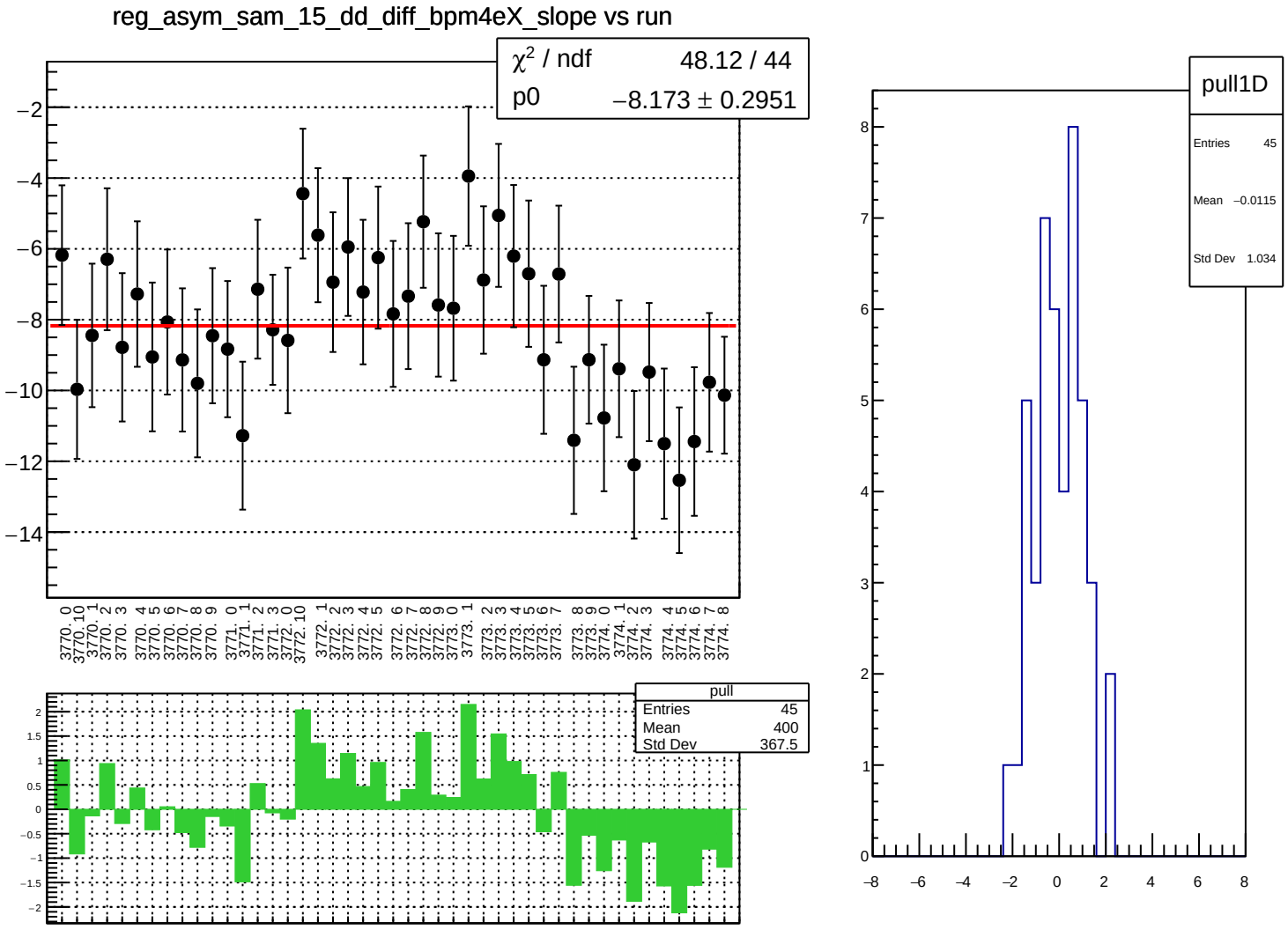

pull1D
Entries 45
Mean 0.007232
Std Dev 0.3427

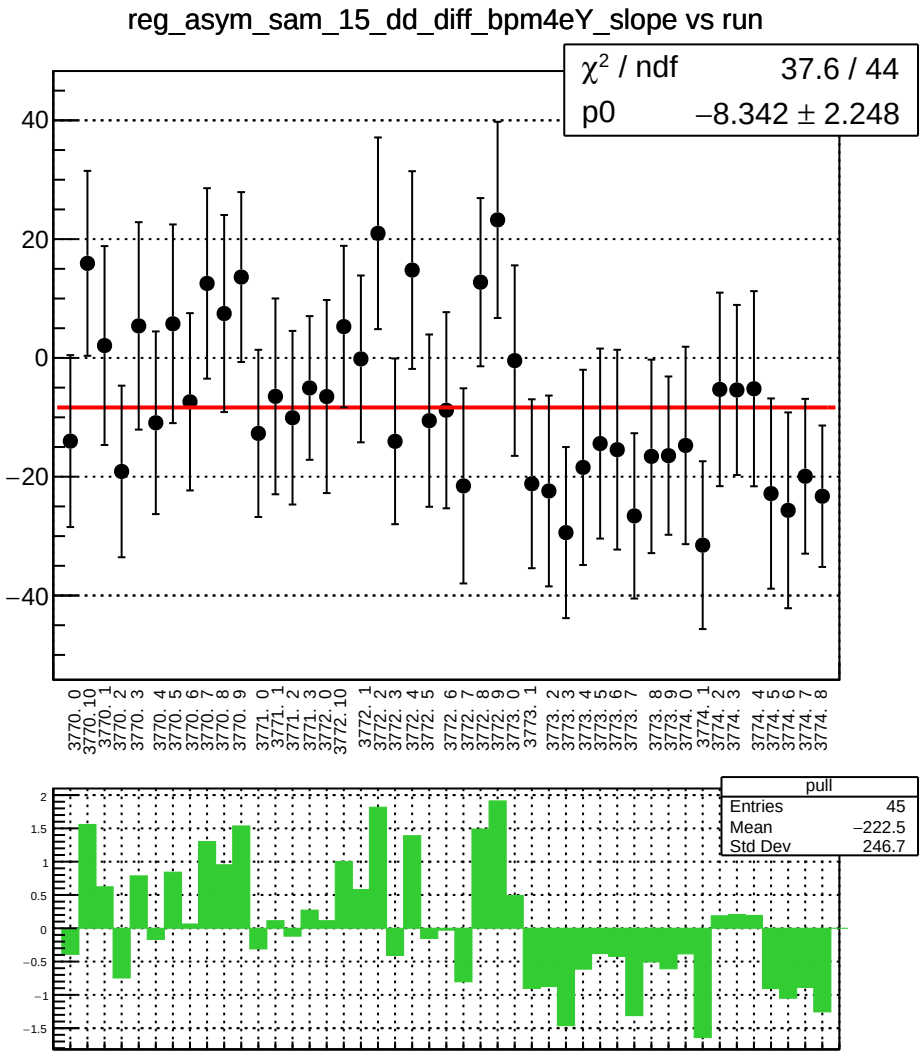

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 1.643 / 44
p0 −0.6414 ± 0.2244
pull
Entries 45
Mean 468.2
Std Dev 442.2
pull1D
Entries 45
Mean 0.00329
Std Dev 0.1911

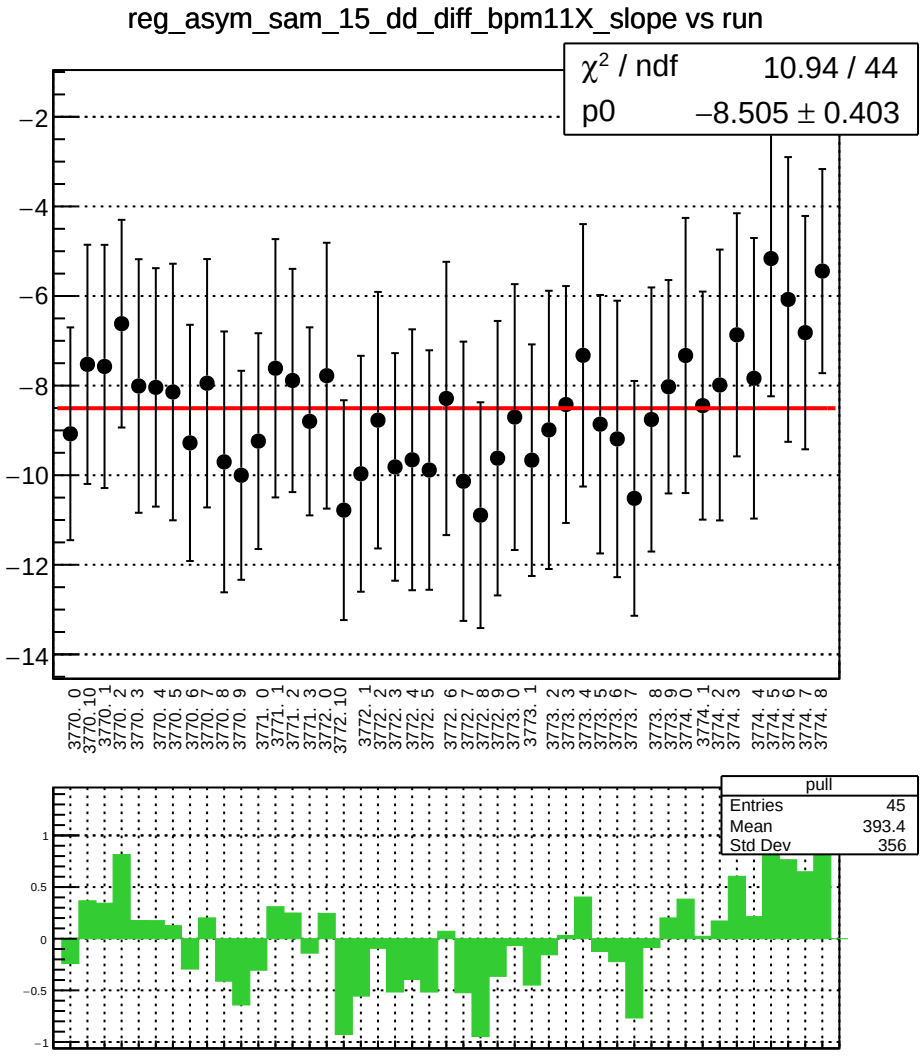

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.07 / 44
p0 −18.83 ± 1.746
0
−10
−20
−30
−40
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 15.38
Std Dev 38.67
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 45
Mean 0.01528
Std Dev 0.4728
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

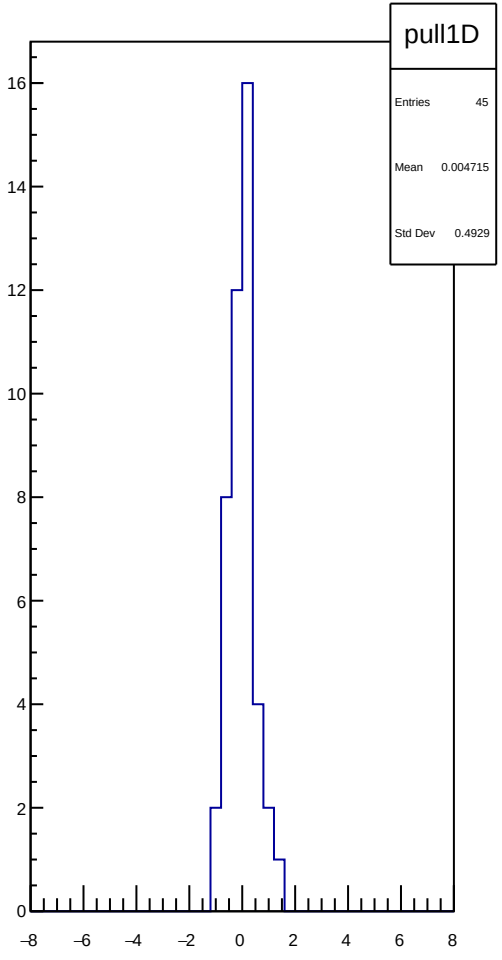

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.3 / 44
p0 −173.3 ± 1.438
−150
−160
−170
−180
−190
−200
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −187.1
Std Dev 211.1
1.5
1
0.5
0
−0.5
−1
−1.5

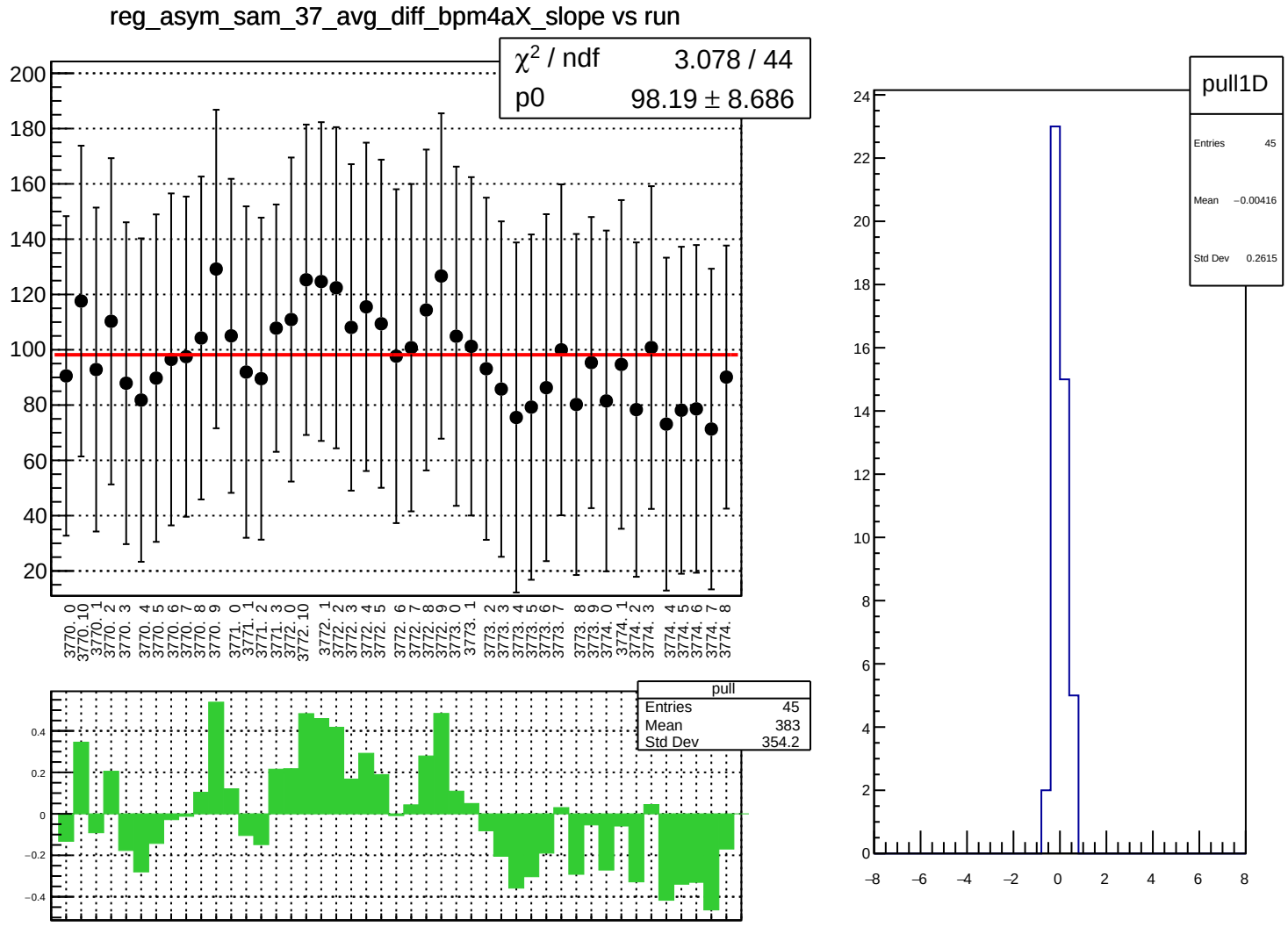

pull1D
Entries 45
Mean −0.02626
Std Dev 0.8201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

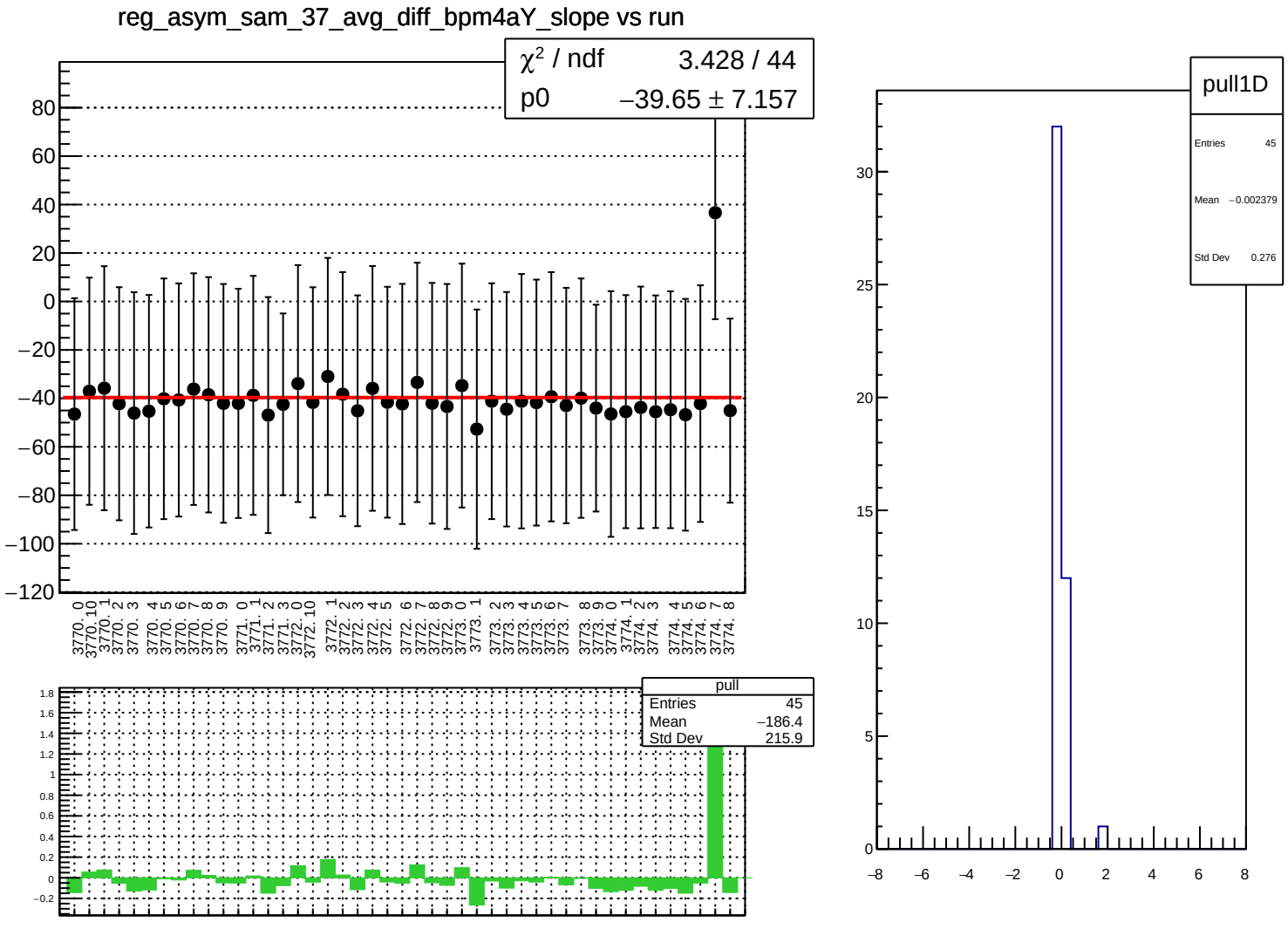

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.12 / 44
p0 −8.173 ± 0.2951
pull
Entries 45
Mean 400
Std Dev 367.5
pull1D
Entries 45
Mean −0.0115
Std Dev 1.034

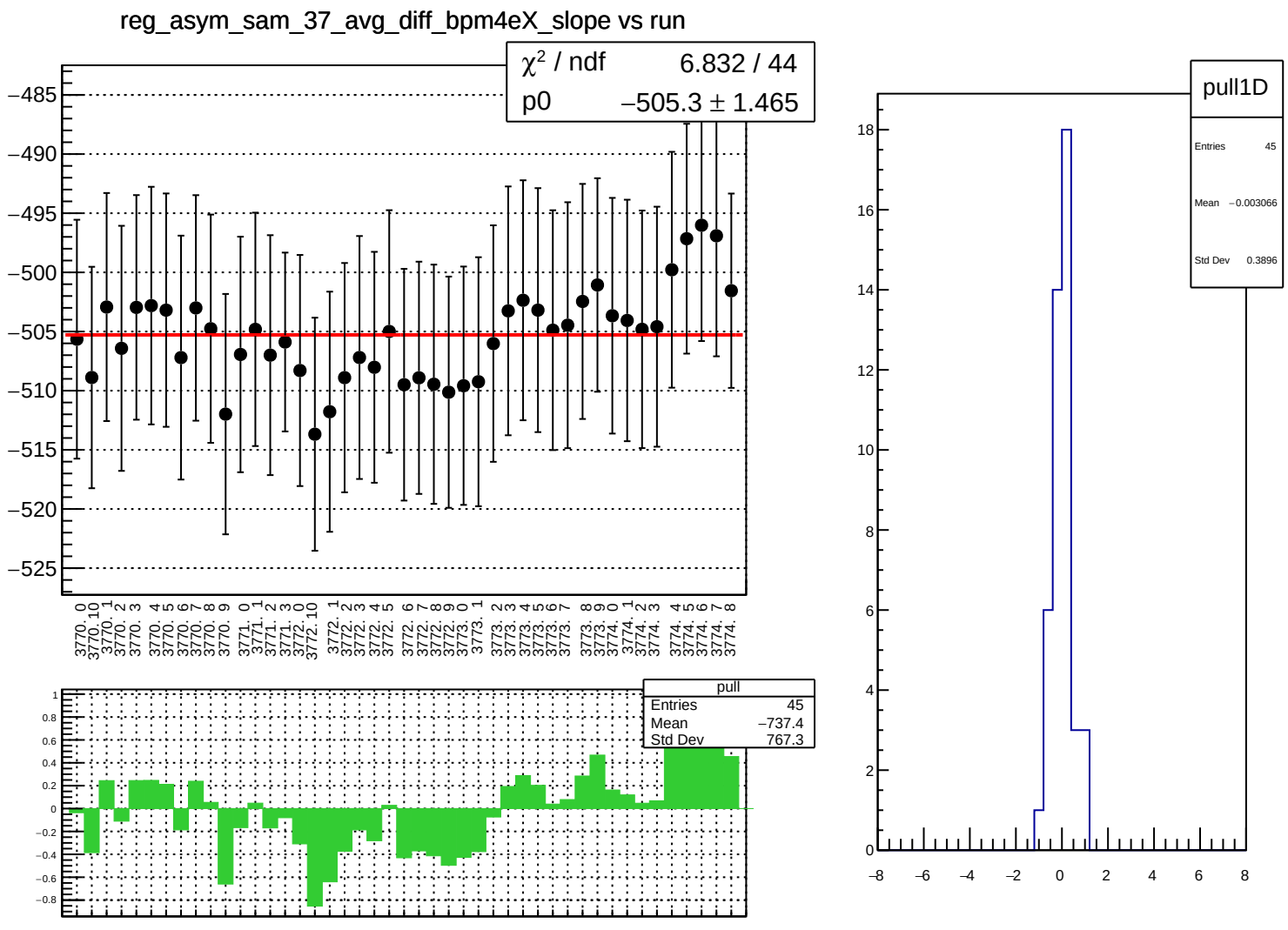

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.6 / 44
p0 −8.342 ± 2.248
40
20
0
−20
−40
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −222.5
Std Dev 246.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean 0.0245
Std Dev 0.9138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

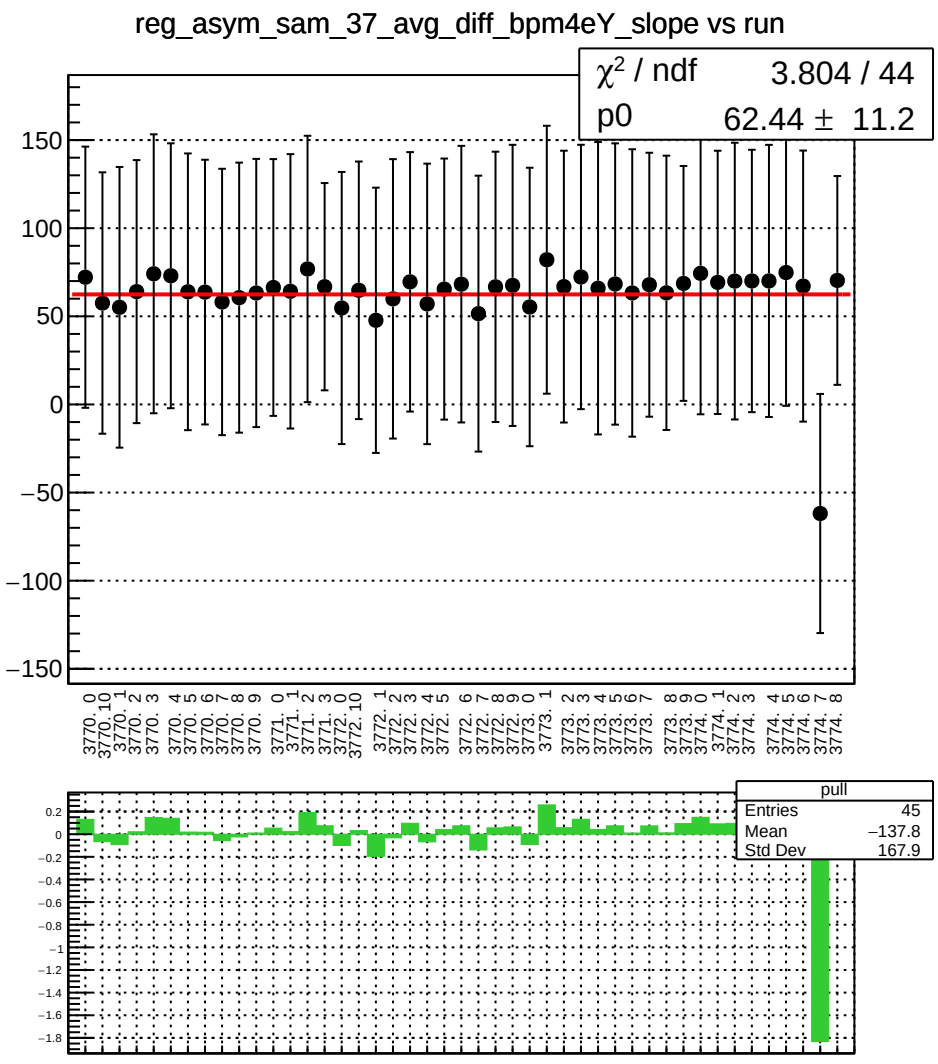

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 10.94 / 44
p0 −8.505 ± 0.403
pull
Entries 45
Mean 393.4
Std Dev 356

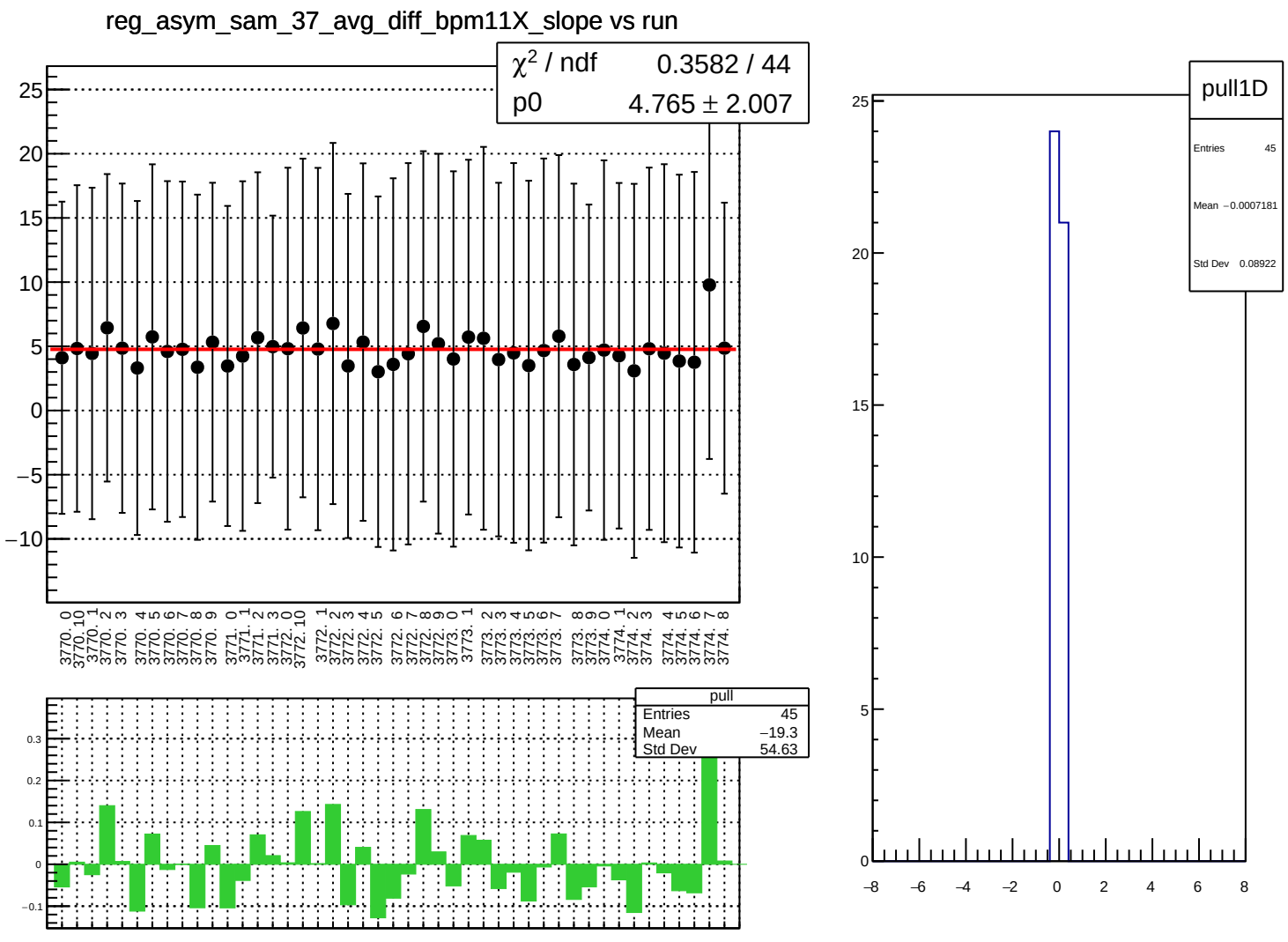

pull1D
Entries 45
Mean 0.004715
Std Dev 0.4929

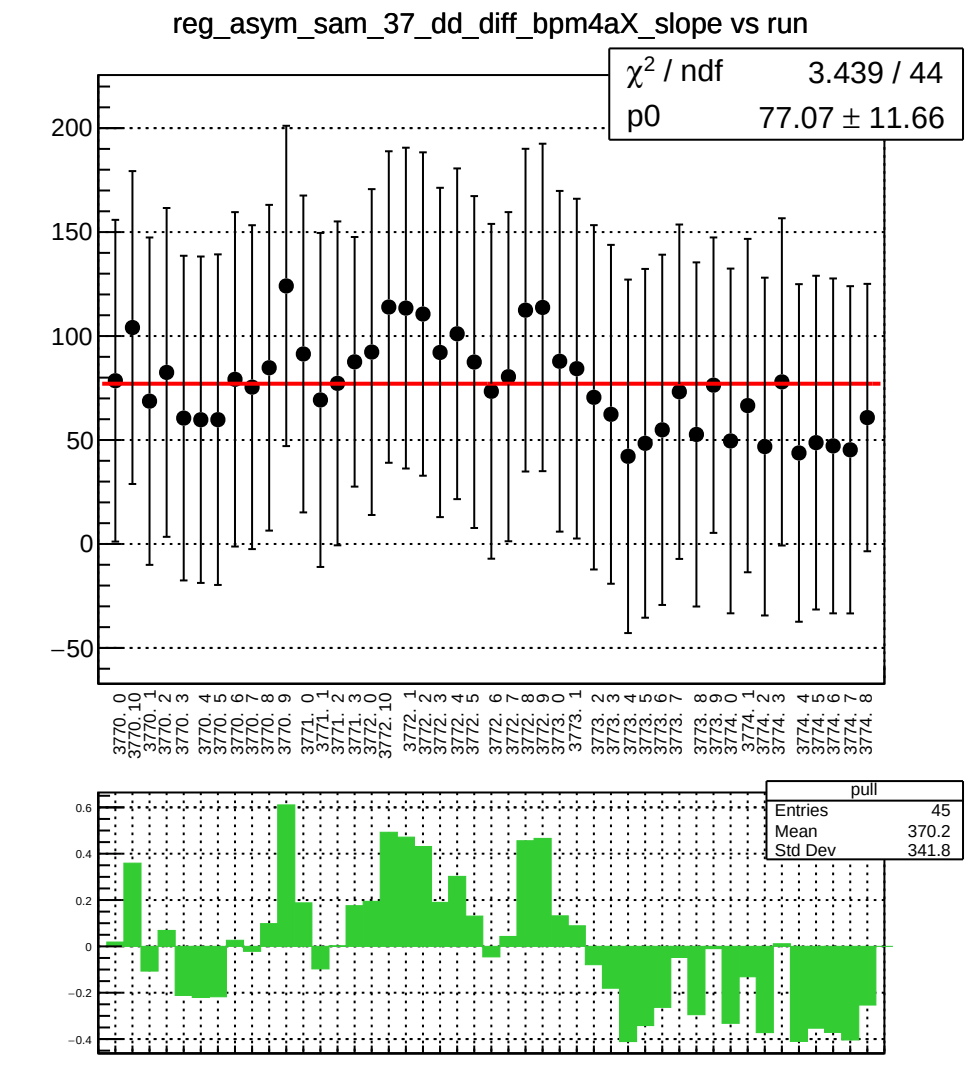

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.078 / 44
p0 98.19 ± 8.686
pull
Entries 45
Mean 383
Std Dev 354.2
pull1D
Entries 45
Mean −0.00416
Std Dev 0.2615

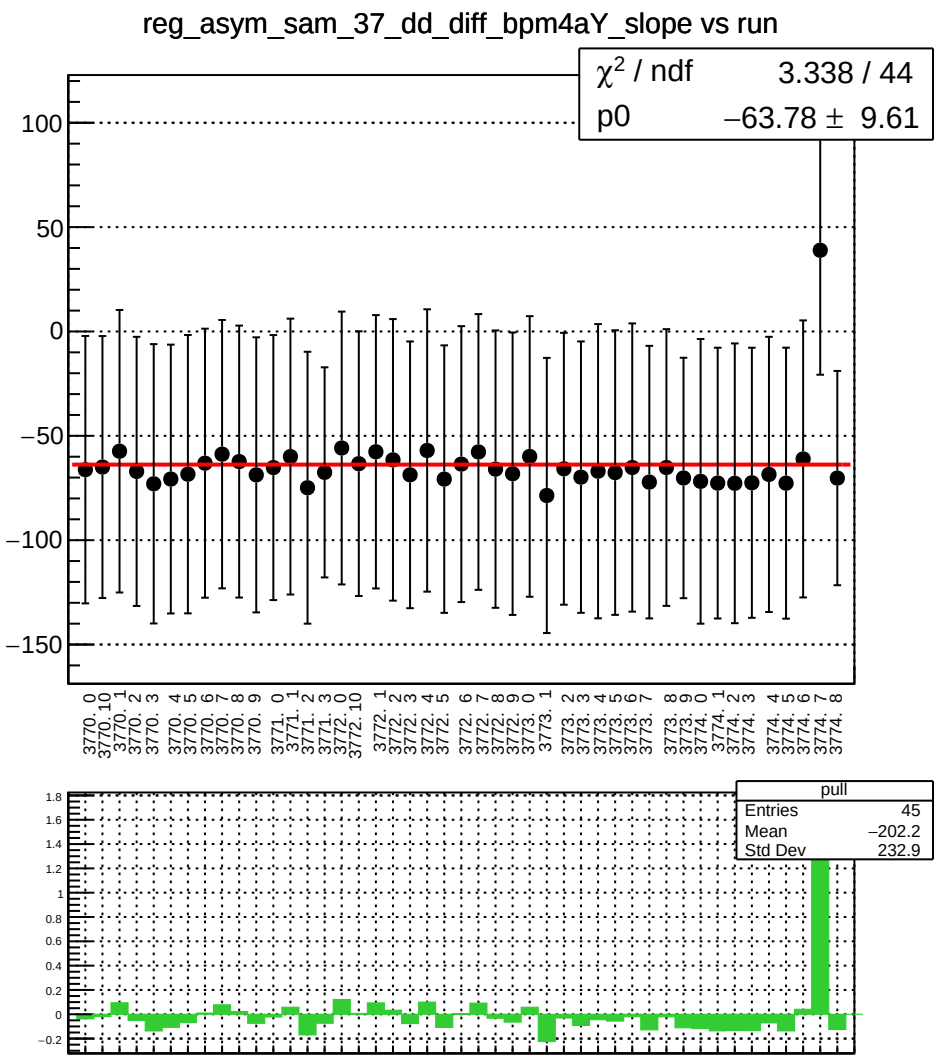

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.428 / 44
p0 −39.65 ± 7.157
pull
Entries 45
Mean −186.4
Std Dev 215.9
pull1D
Entries 45
Mean −0.002379
Std Dev 0.276

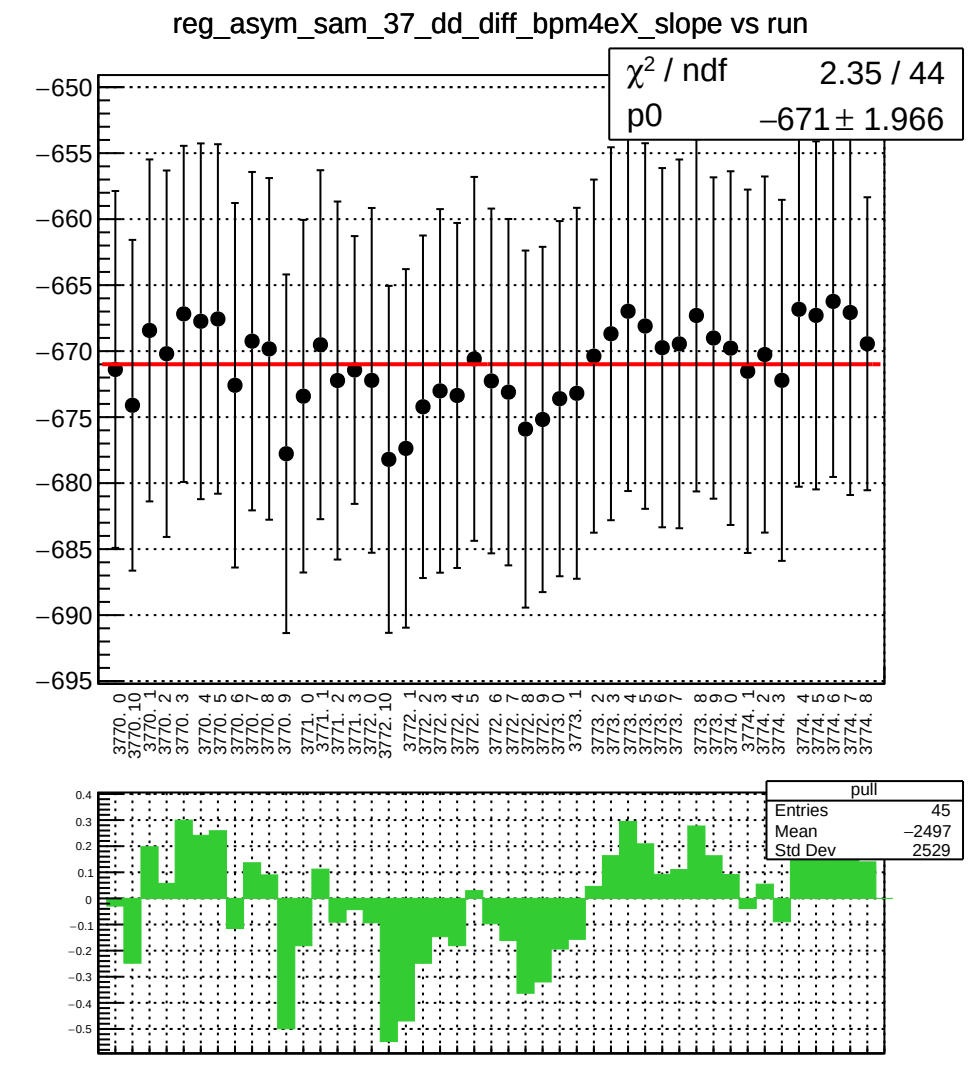

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.832 / 44
p0 −505.3 ± 1.465
pull
Entries 45
Mean −737.4
Std Dev 767.3
pull1D
Entries 45
Mean −0.003066
Std Dev 0.3896

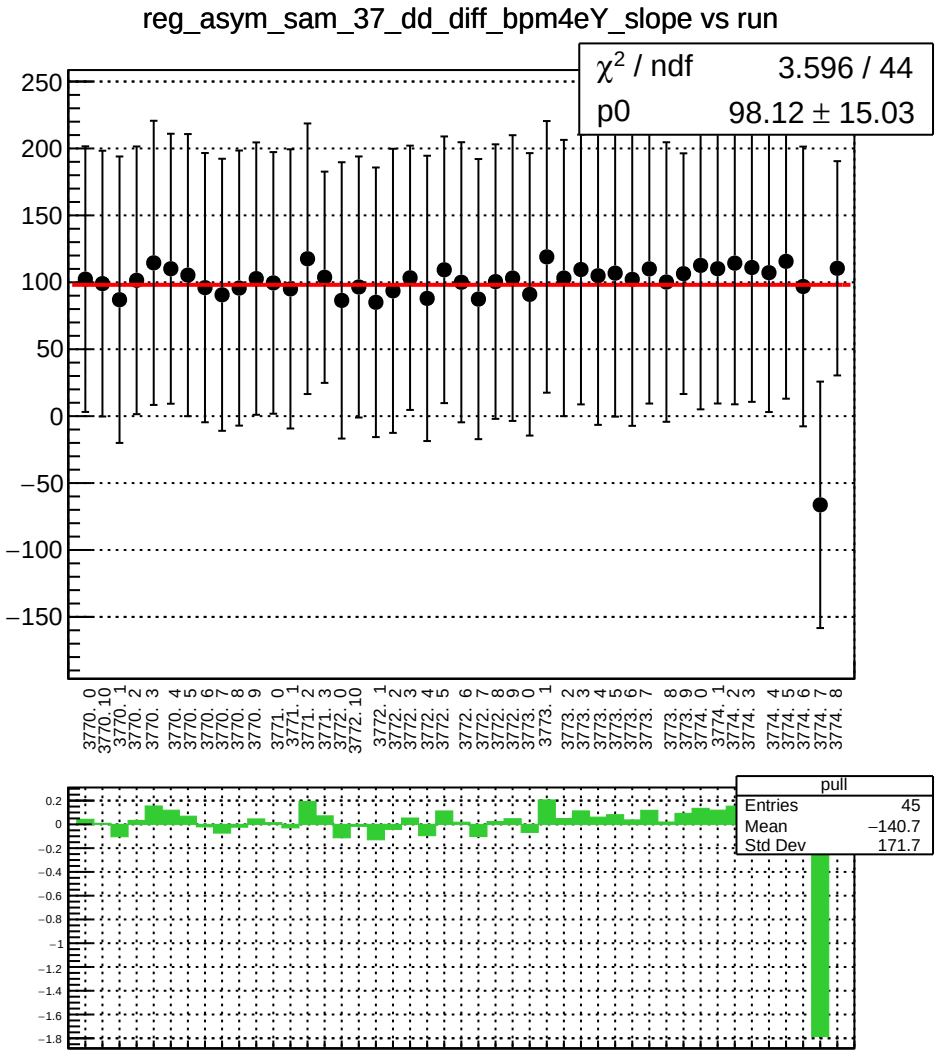

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.804 / 44
p0 62.44 ± 11.2
150
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −137.8
Std Dev 167.9
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull1D
Entries 45
Mean 0.003252
Std Dev 0.2907
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 0.3582 / 44
p0 4.765 ± 2.007
25
20
15
10
5
0
−5
−10
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −19.3
Std Dev 54.63
0.3
0.2
0.1
0
−0.1
pull1D
Entries 45
Mean −0.0007181
Std Dev 0.08922
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.439 / 44
p0 77.07 ± 11.66
200
150
100
50
0
−50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 370.2
Std Dev 341.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 45
Mean −0.004893
Std Dev 0.2764
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.338 / 44
p0 −63.78 ± 9.61
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −202.2
Std Dev 232.9
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
pull1D
Entries 45
Mean −0.002139
Std Dev 0.2724
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.35 / 44
p0 −671 ± 1.966
−650
−655
−660
−665
−670
−675
−680
−685
−690
−695
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −2497
Std Dev 2529
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 45
Mean −0.000343
Std Dev 0.2285
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.596 / 44
p0 98.12 ± 15.03
250
200
150
100
50
0
−50
−100
−150
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 45
Mean −140.7
Std Dev 171.7
pull1D
Entries 45
Mean 0.00272
Std Dev 0.2827
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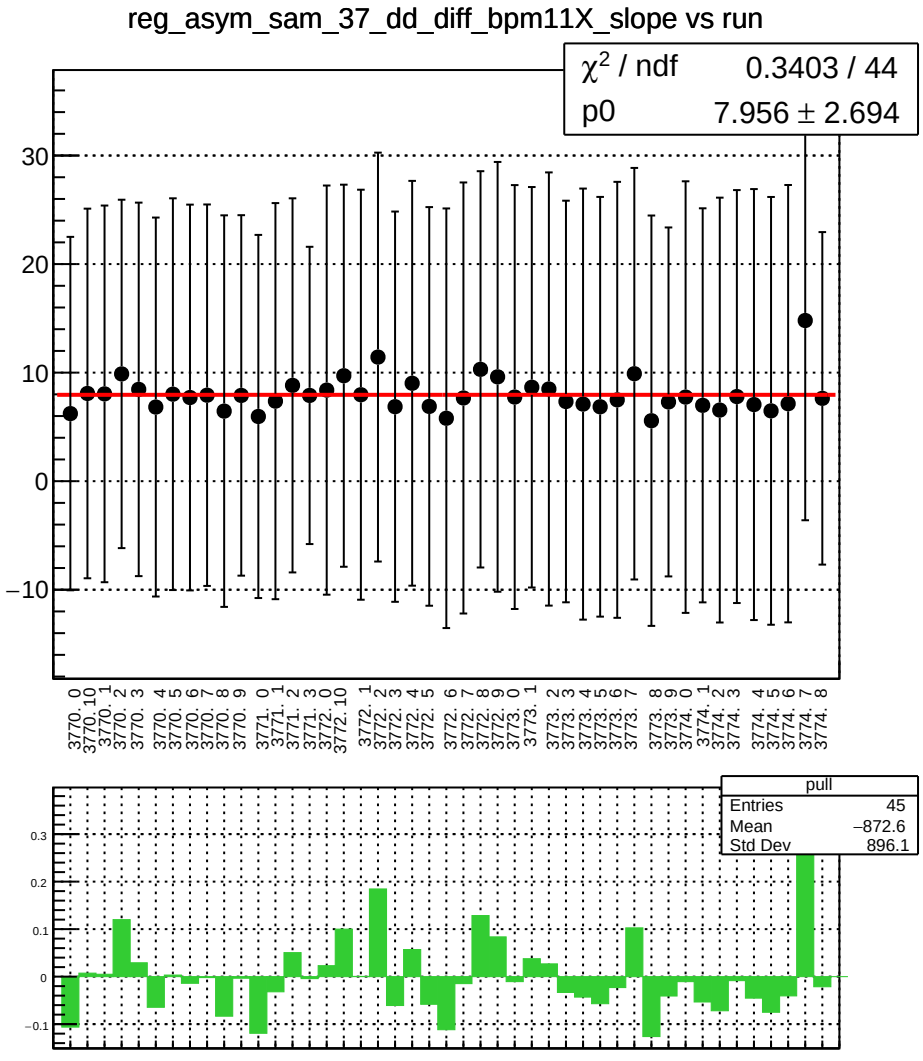
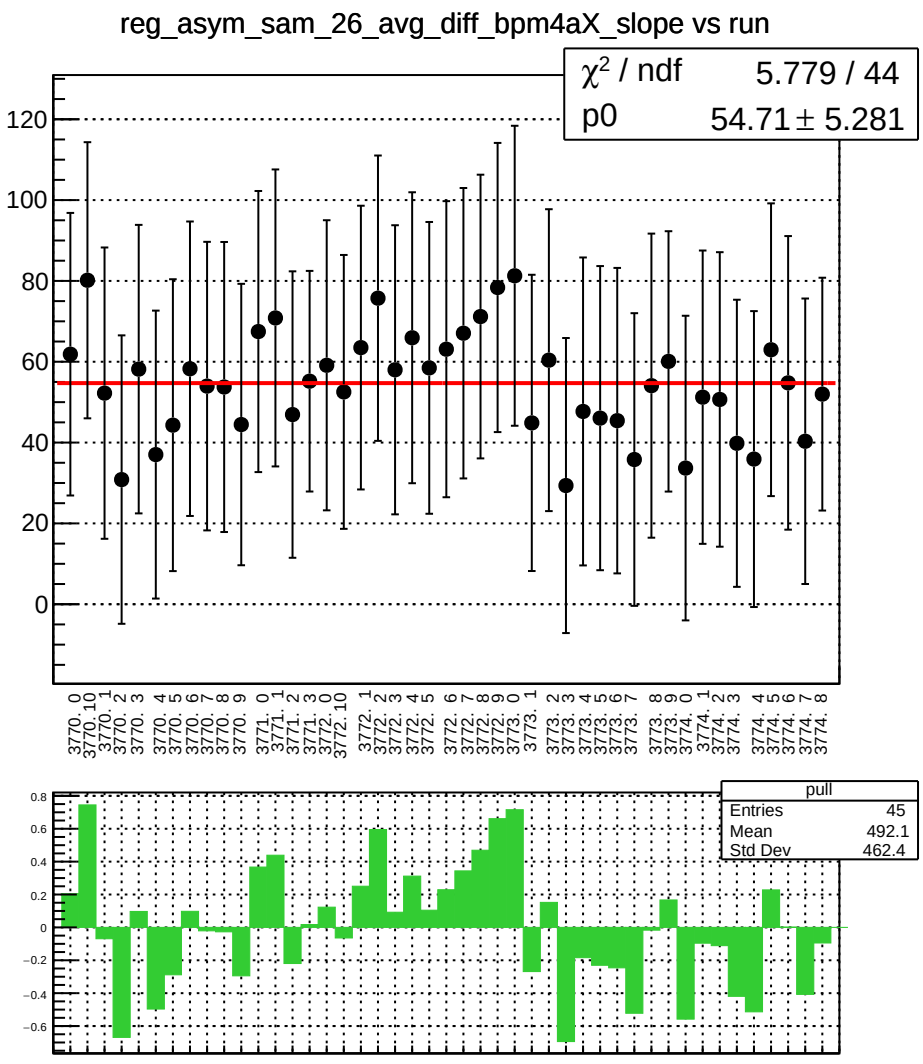
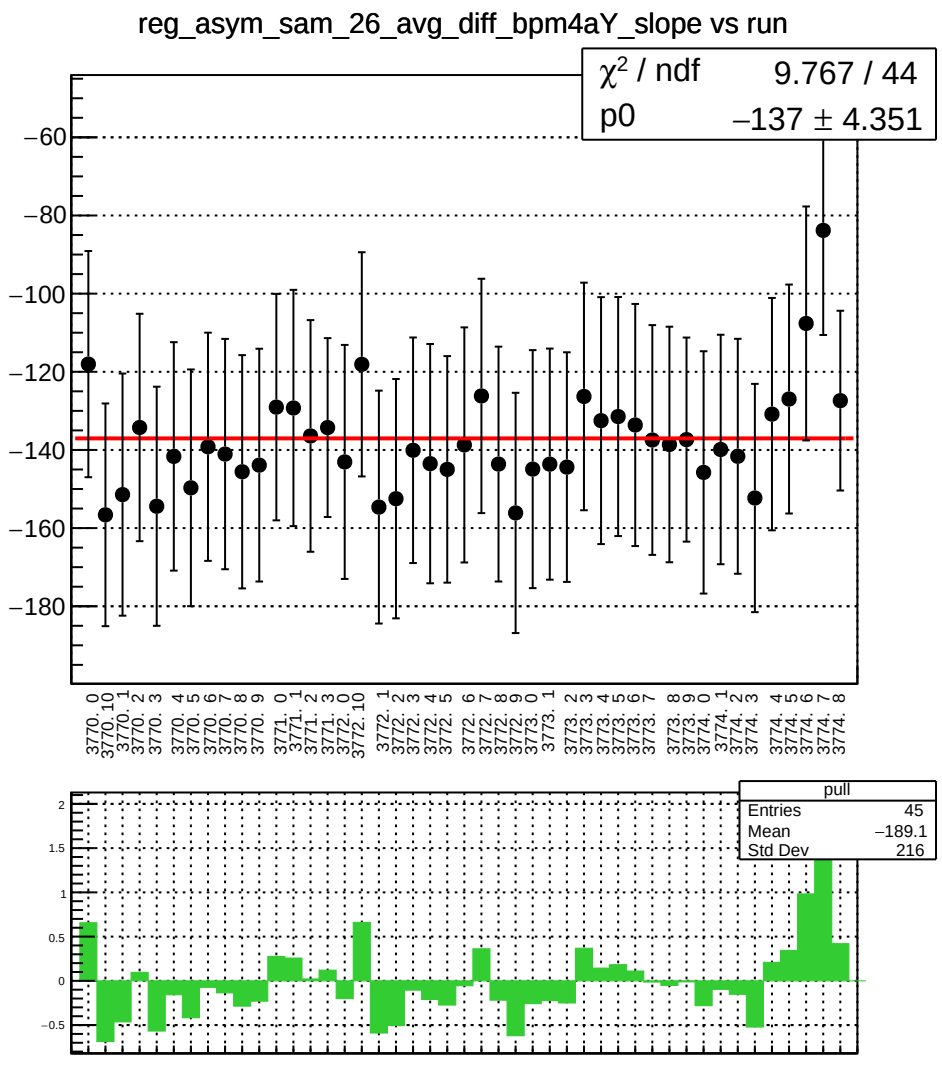
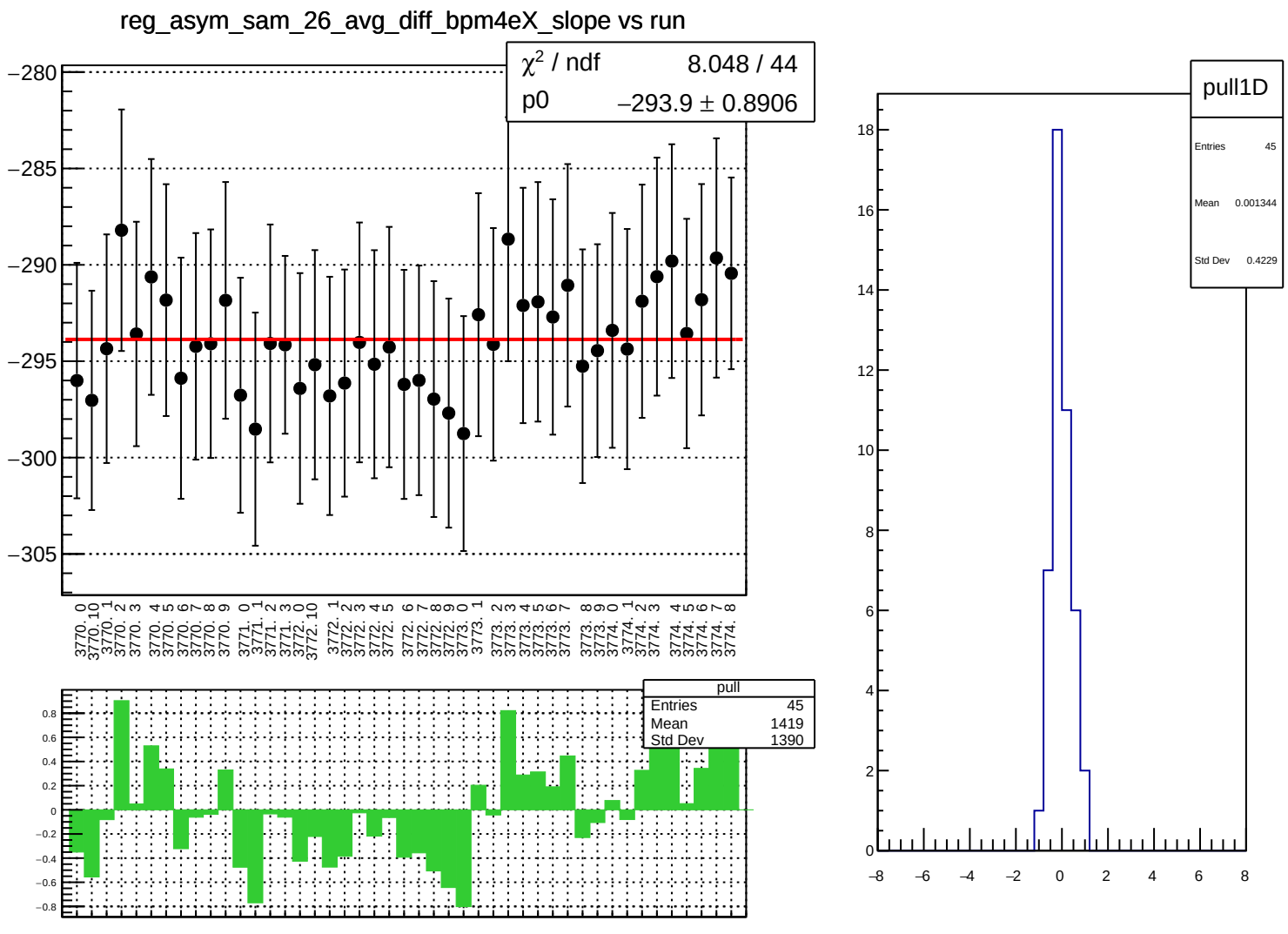
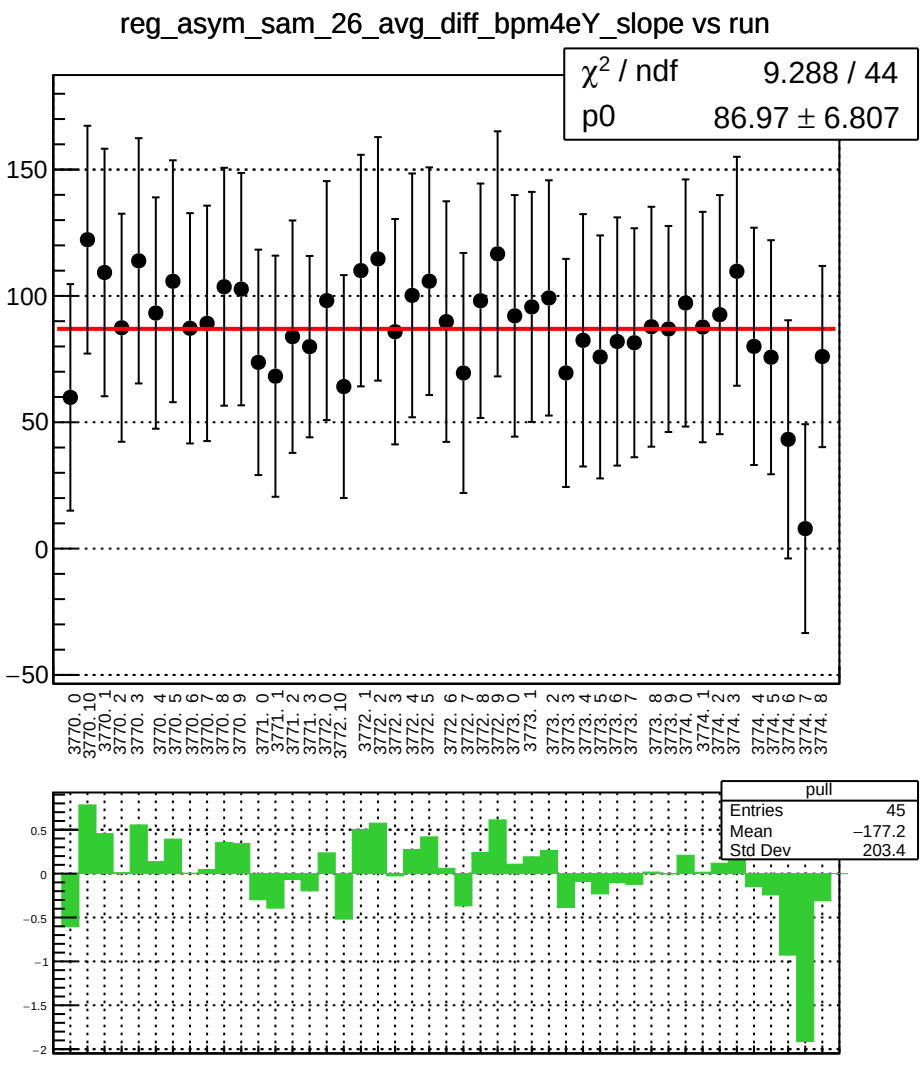
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

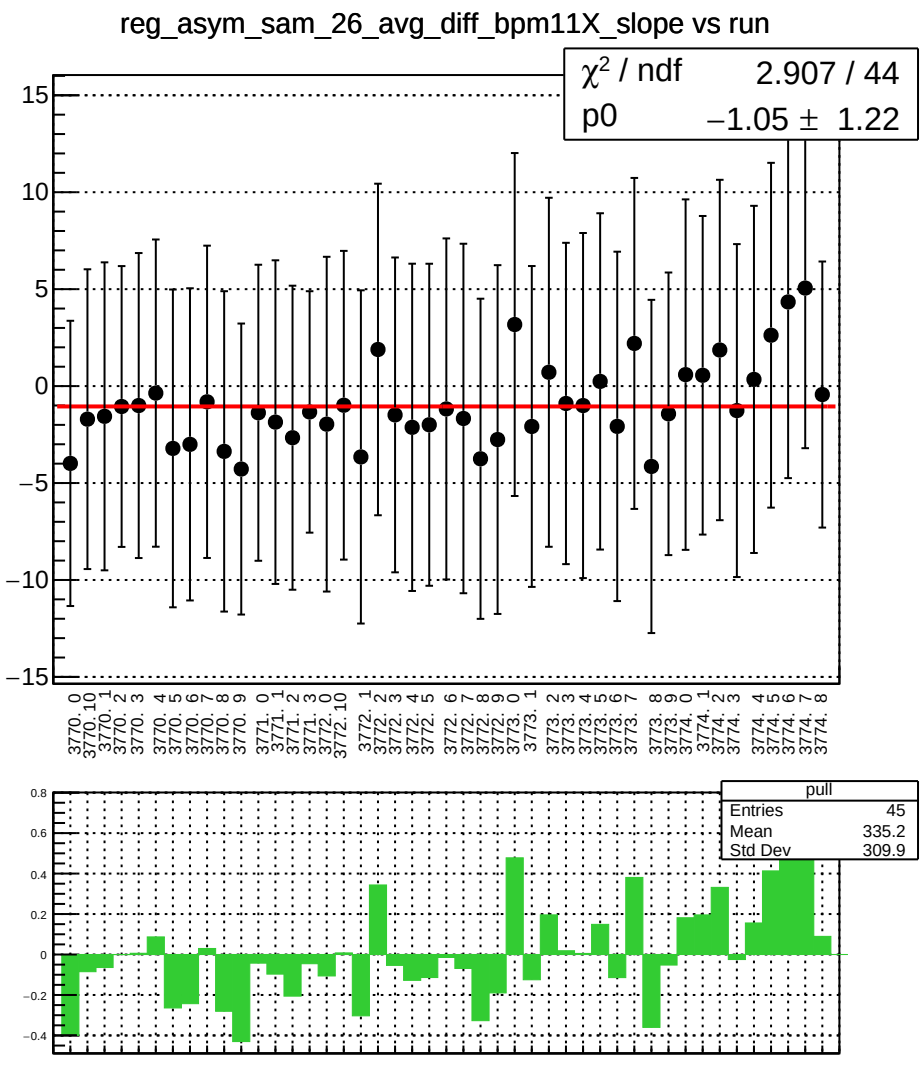

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 0.3403 / 44
p0 7.956 ± 2.694
30
20
10
0
−10
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −872.6
Std Dev 896.1
0.3
0.2
0.1
0
−0.1
pull1D
Entries 45
Mean −5.308e−05
Std Dev 0.08696
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

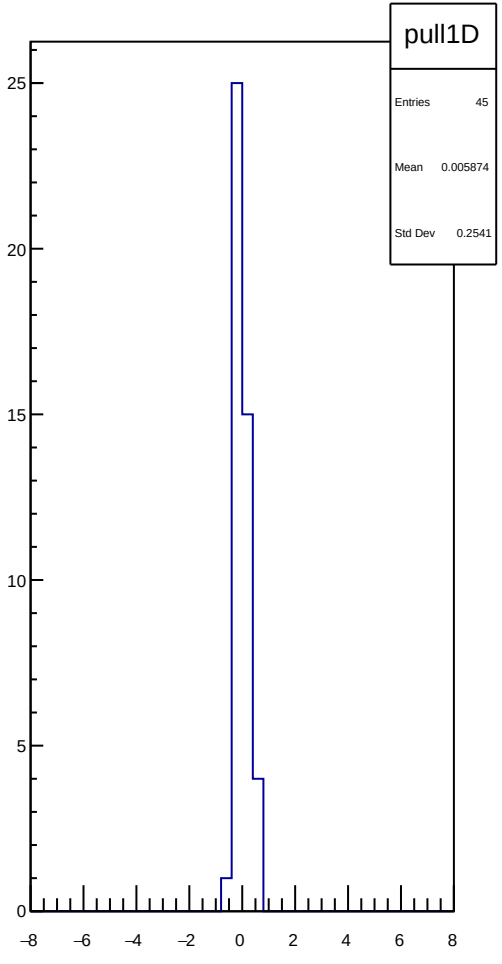

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.779 / 44
p0 54.71 ± 5.281
120
100
80
60
40
20
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 492.1
Std Dev 462.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.002193
Std Dev 0.3583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

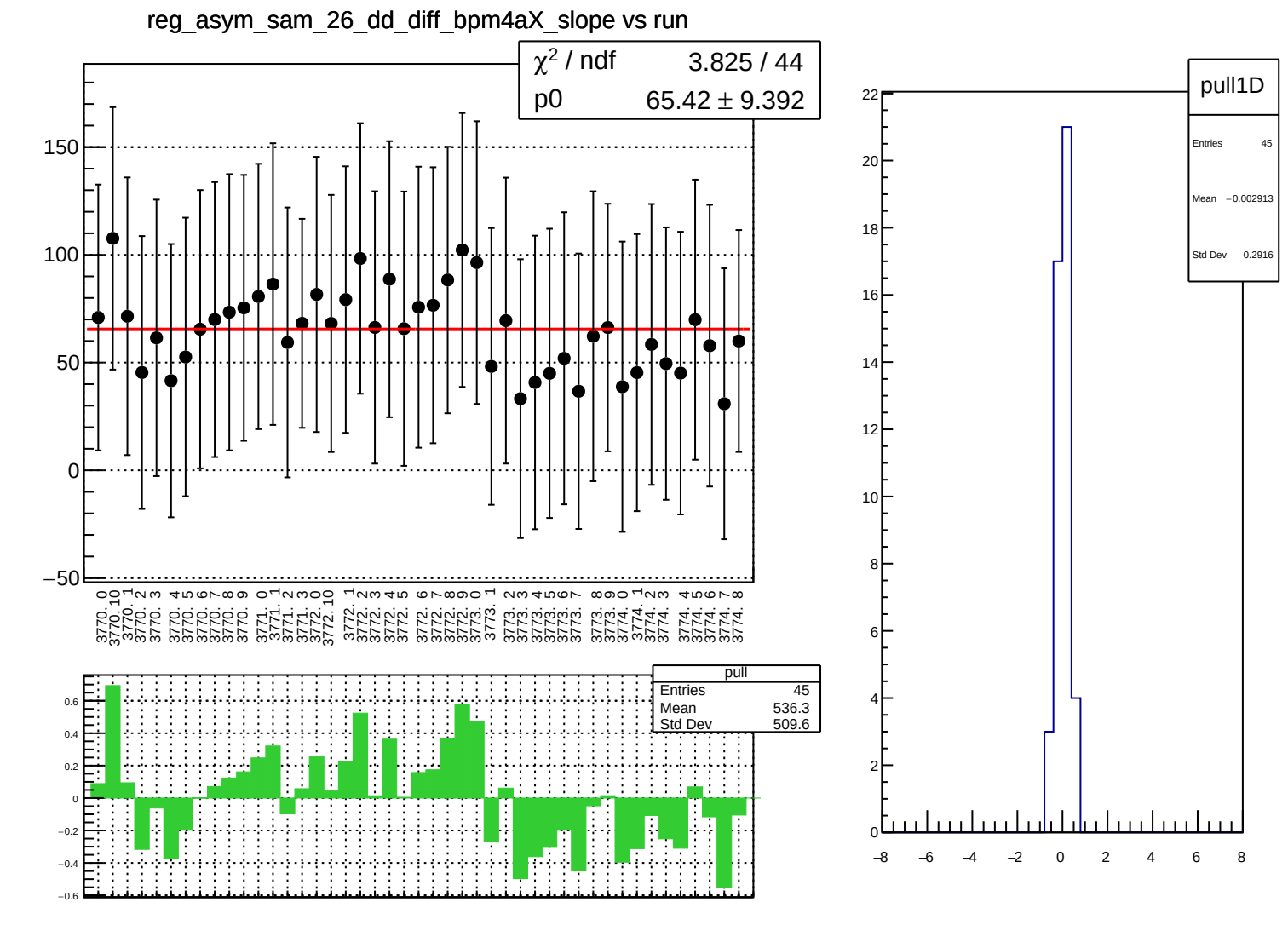

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.767 / 44
p0 −137 ± 4.351
−60
−80
−100
−120
−140
−160
−180
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −189.1
Std Dev 216
2
1.5
1
0.5
0
−0.5
pull1D
Entries 45
Mean −0.01023
Std Dev 0.4658
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

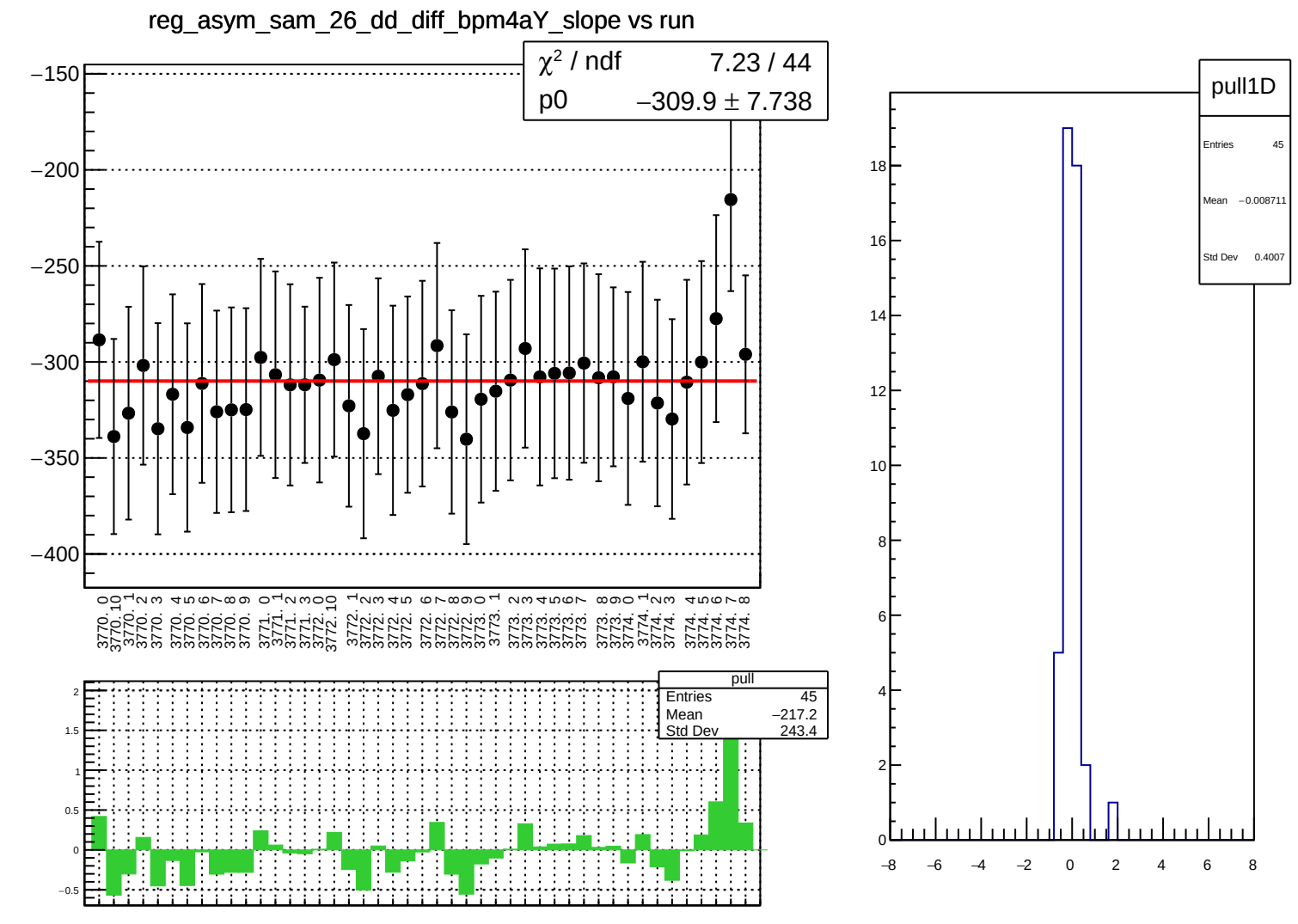

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.048 / 44
p0 −293.9 ± 0.8906
−280
−285
−290
−295
−300
−305
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 1419
Std Dev 1390
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 45
Mean 0.001344
Std Dev 0.4229
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

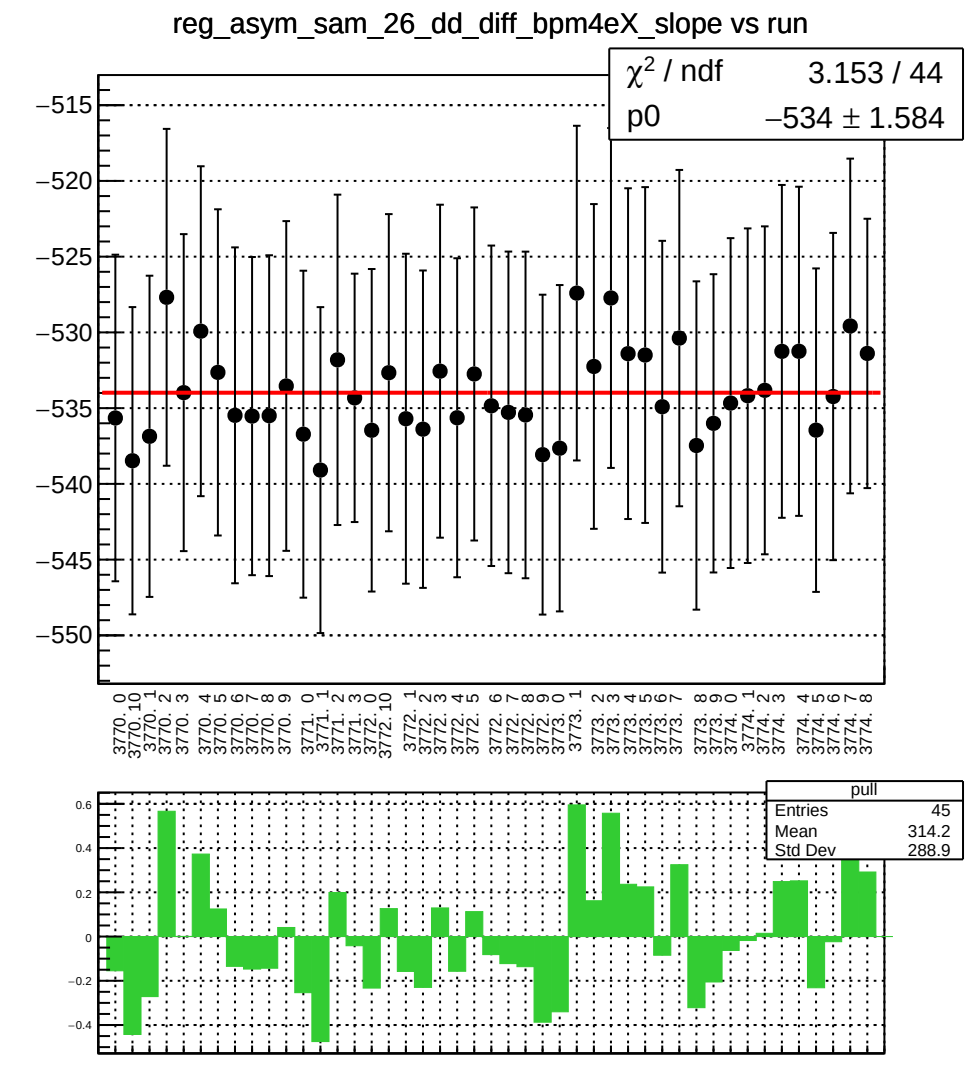

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.288 / 44
p0 86.97 ± 6.807
150
100
50
0
−50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −177.2
Std Dev 203.4
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01081
Std Dev 0.4542
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

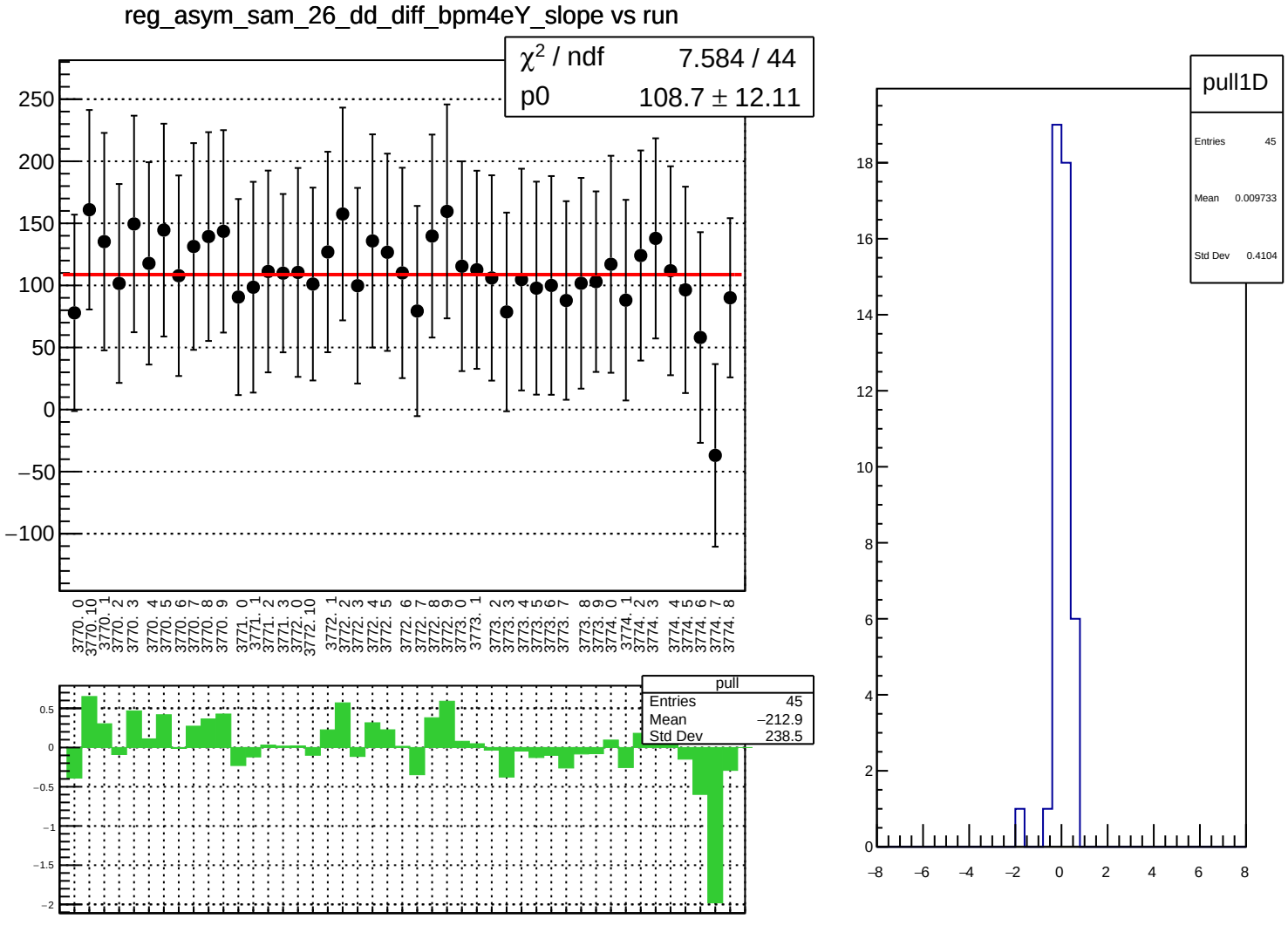

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 2.907 / 44
p0 −1.05 ± 1.22
pull
Entries 45
Mean 335.2
Std Dev 309.9

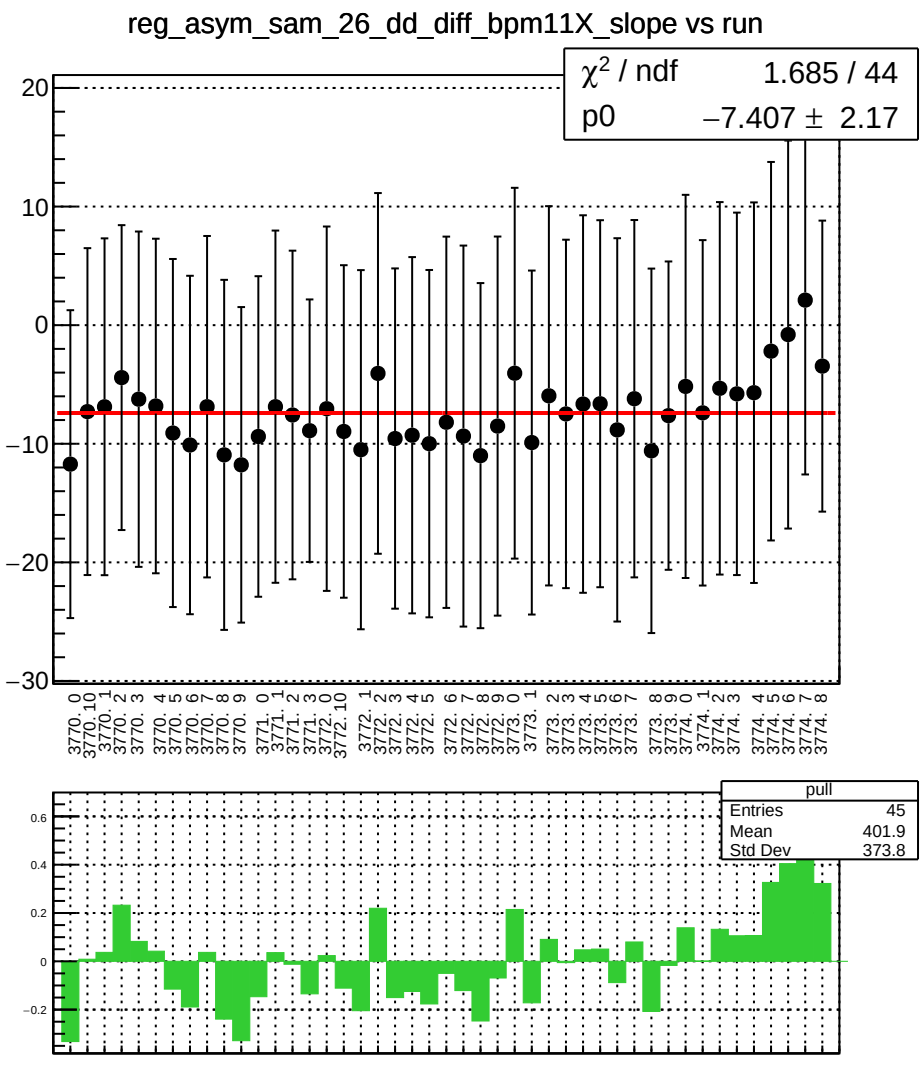

pull1D
Entries 45
Mean 0.005874
Std Dev 0.2541

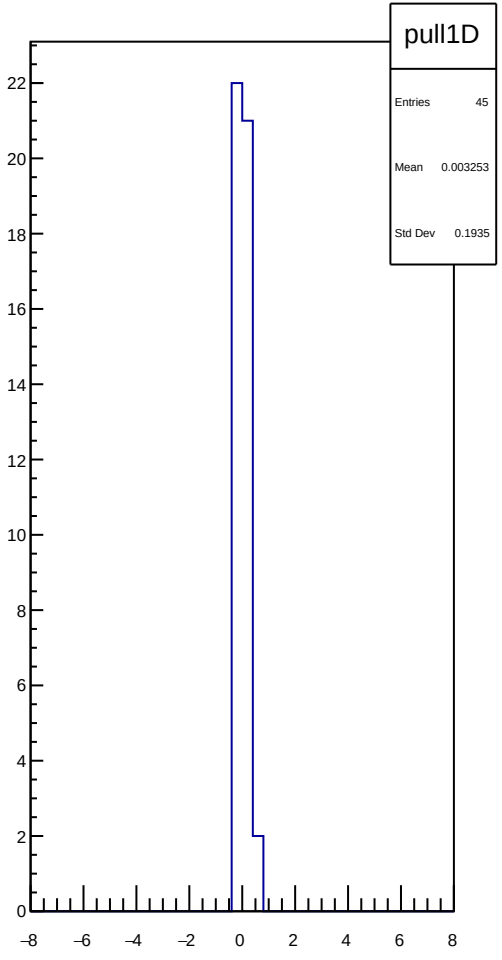

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.825 / 44
p0 65.42 ± 9.392
150
100
50
0
−50
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 536.3
Std Dev 509.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 45
Mean −0.002913
Std Dev 0.2916
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.23 / 44
p0 −309.9 ± 7.738
pull
Entries 45
Mean −217.2
Std Dev 243.4
pull1D
Entries 45
Mean −0.008711
Std Dev 0.4007

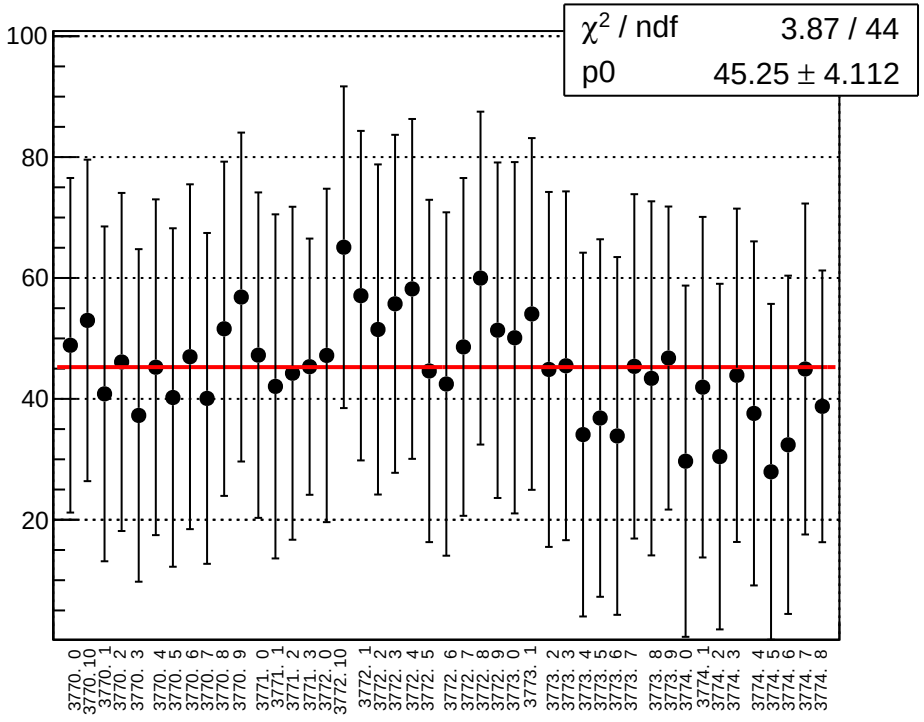

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.153 / 44
p0 −534 ± 1.584
−515
−520
−525
−530
−535
−540
−545
−550
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 314.2
Std Dev 288.9
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 45
Mean 0.002724
Std Dev 0.2647
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

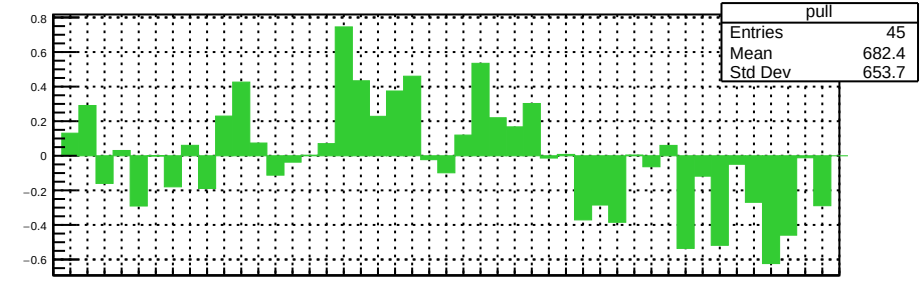

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.584 / 44
p0 108.7 ± 12.11
250
200
150
100
50
0
−50
−100
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −212.9
Std Dev 238.5
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.009733
Std Dev 0.4104
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

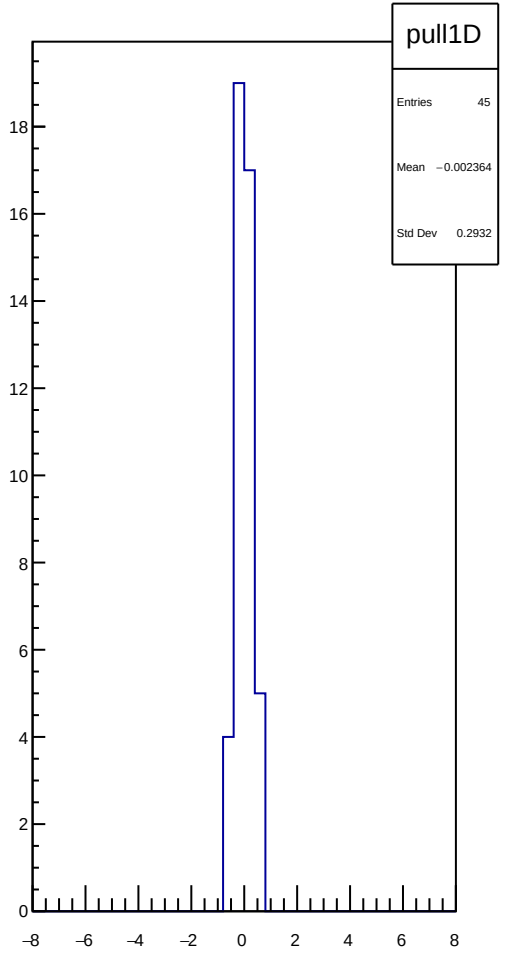

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 1.685 / 44
p0 −7.407 ± 2.17
pull
Entries 45
Mean 401.9
Std Dev 373.8

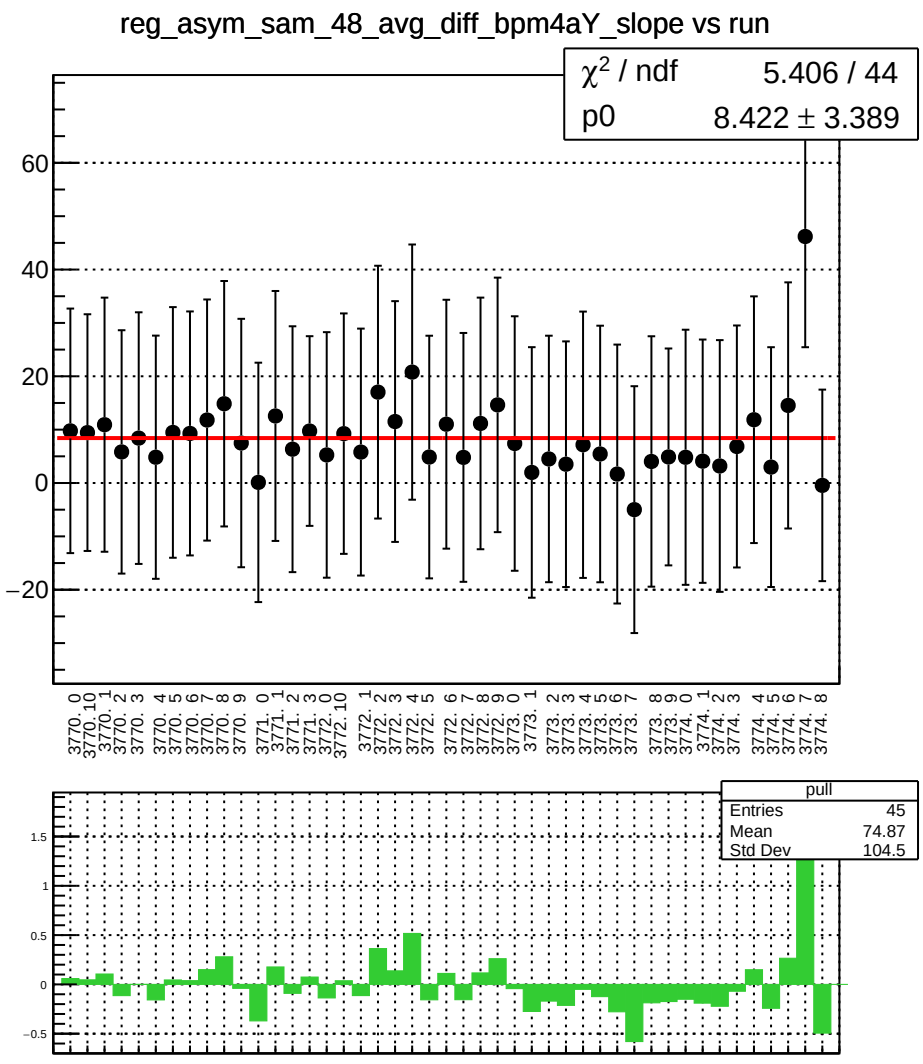

pull1D
Entries 45
Mean 0.003253
Std Dev 0.1935

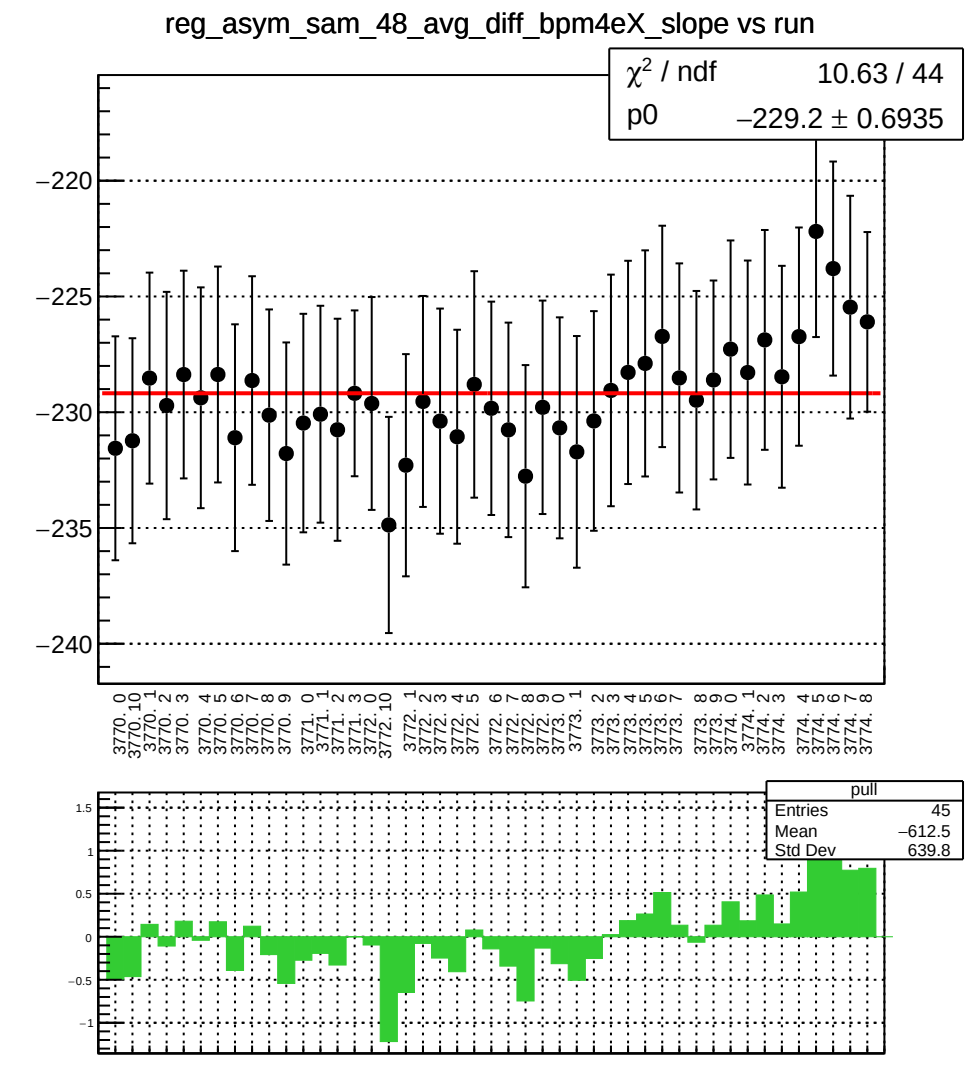
reg_asym_sam_48_avg_diff_bpm4aX_slope vs run

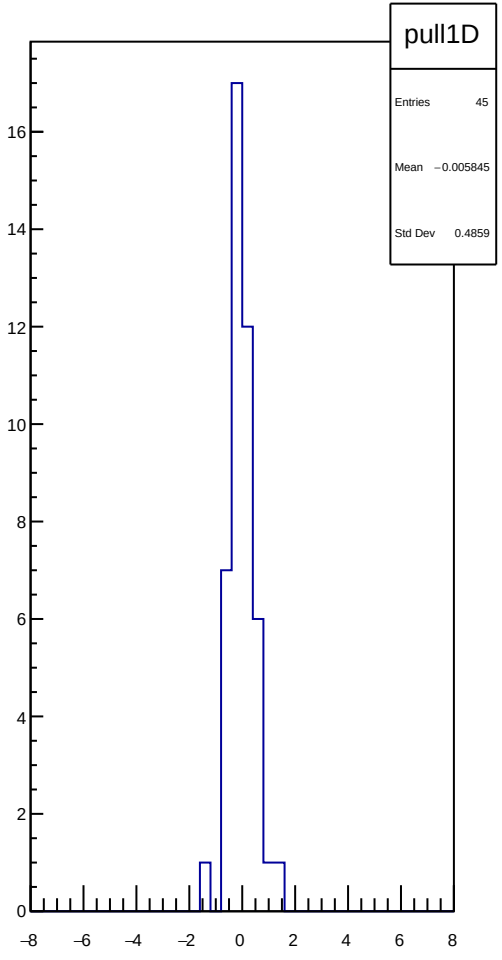


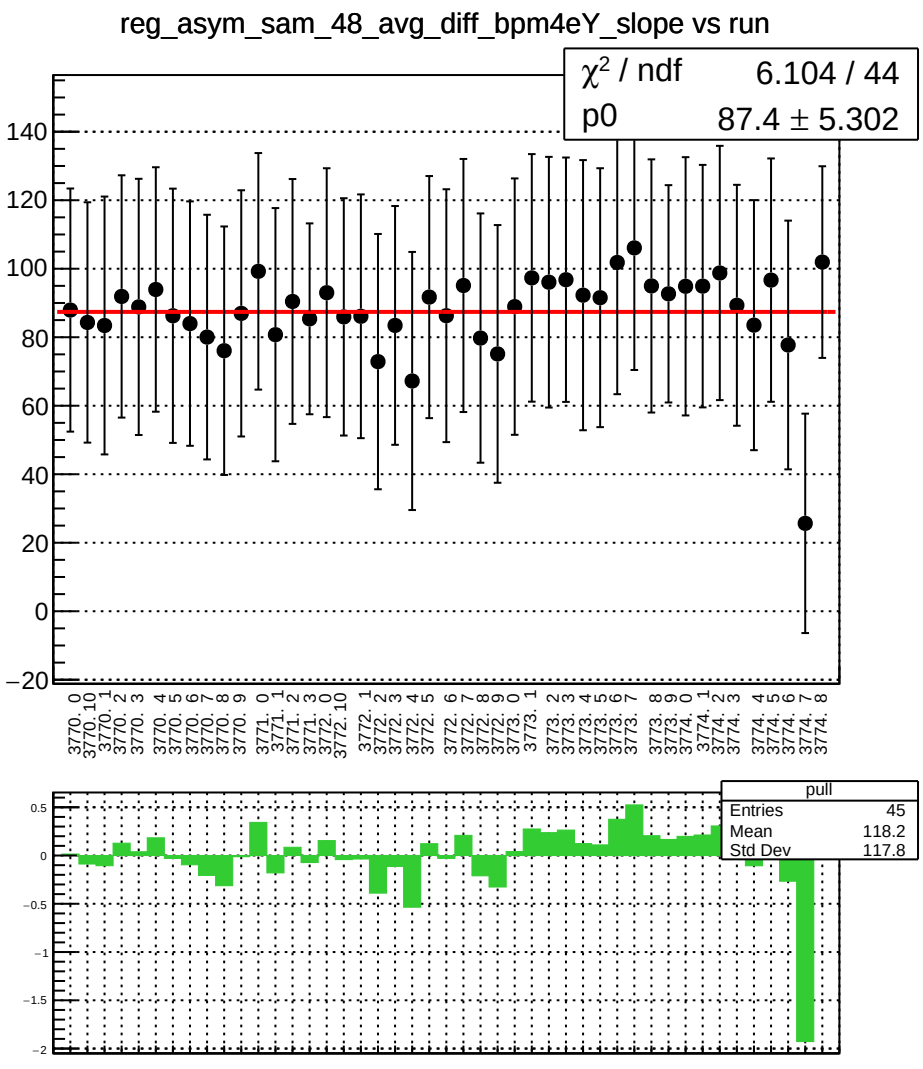


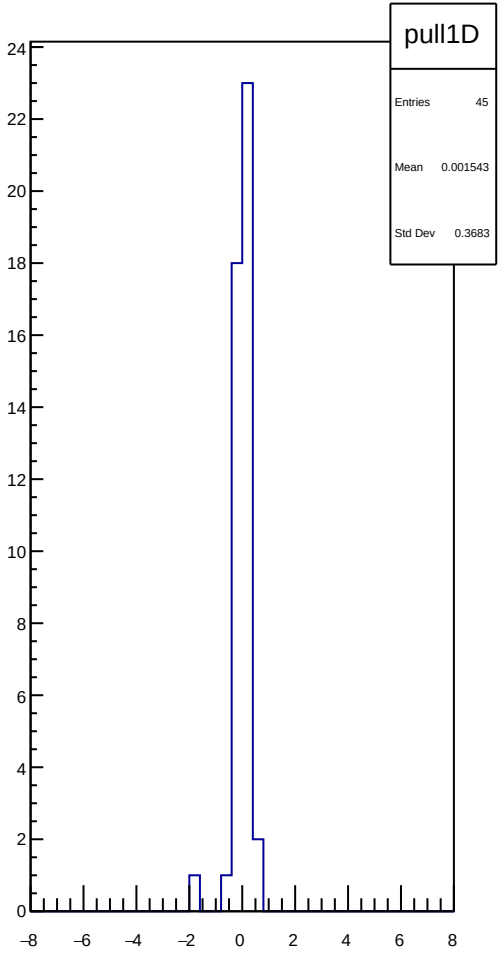


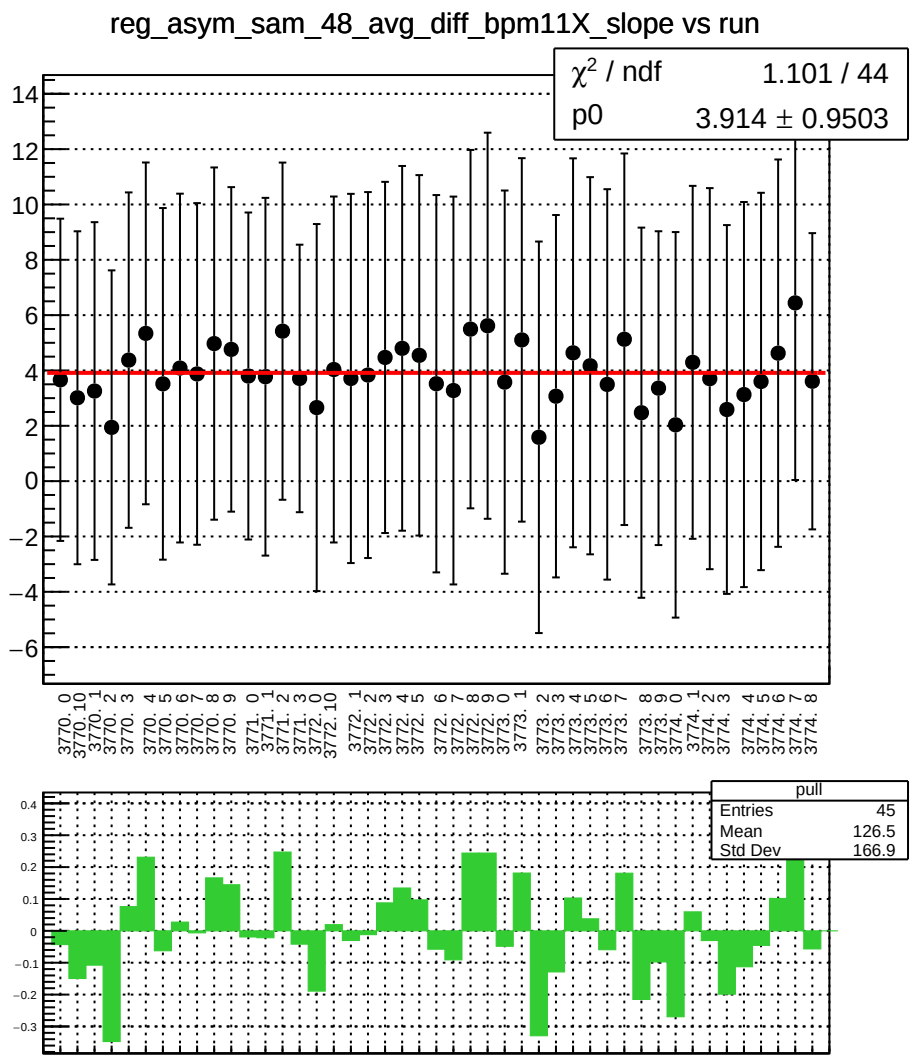

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.406 / 44
p0 8.422 ± 3.389
60
40
20
0
−20
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 74.87
Std Dev 104.5
1.5
1
0.5
0
−0.5
pull1D
Entries 45
Mean −0.000974
Std Dev 0.3466
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

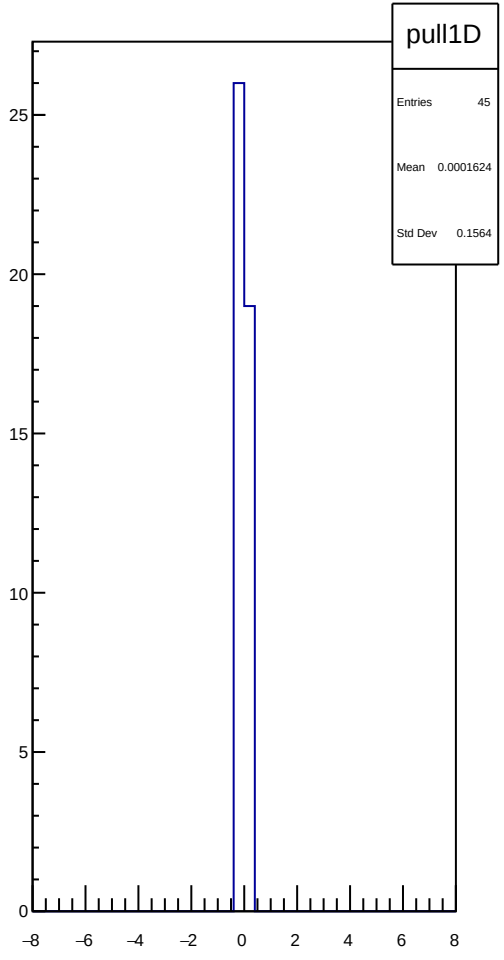

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.63 / 44
p0 −229.2 ± 0.6935
−220
−225
−230
−235
−240
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −612.5
Std Dev 639.8
1.5
1
0.5
0
−0.5
−1

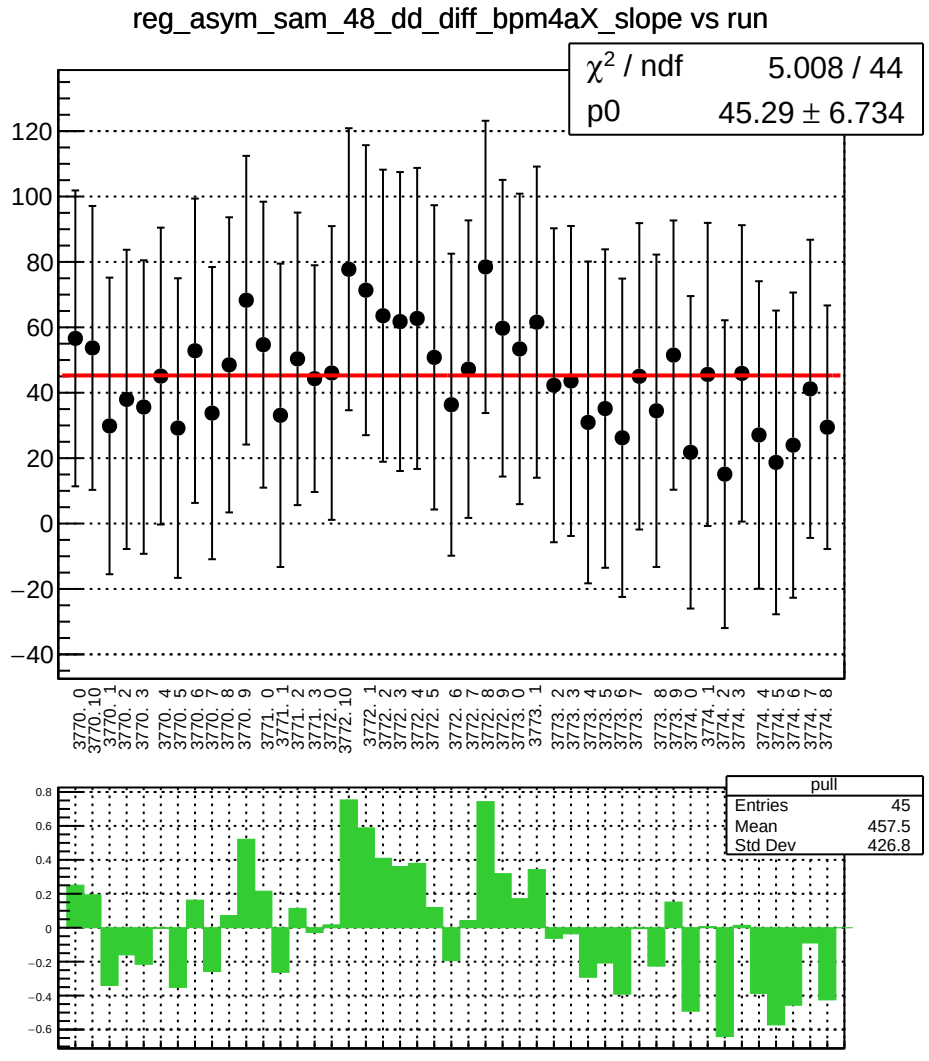

pull1D
Entries 45
Mean −0.005845
Std Dev 0.4859
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

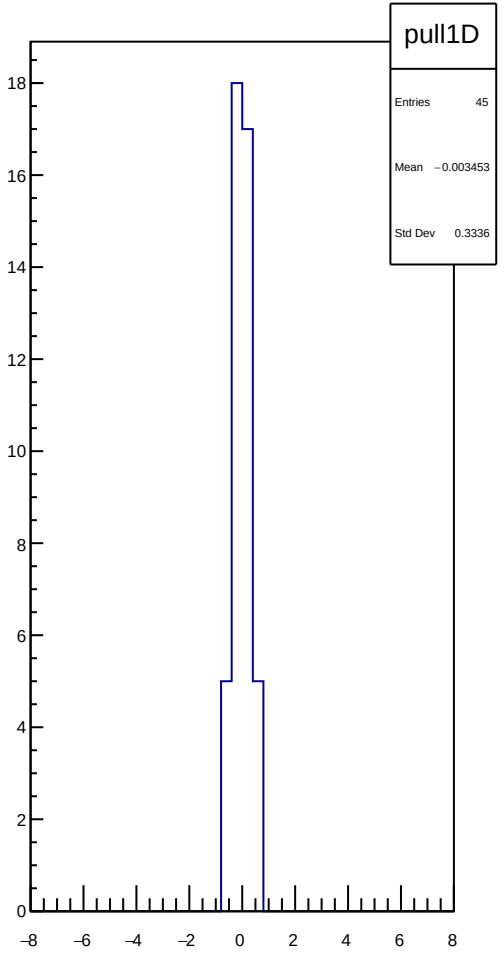

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.104 / 44
p0 87.4 ± 5.302
140
120
100
80
60
40
20
0
−20
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 118.2
Std Dev 117.8
0.5
0
−0.5
−1
−1.5
−2

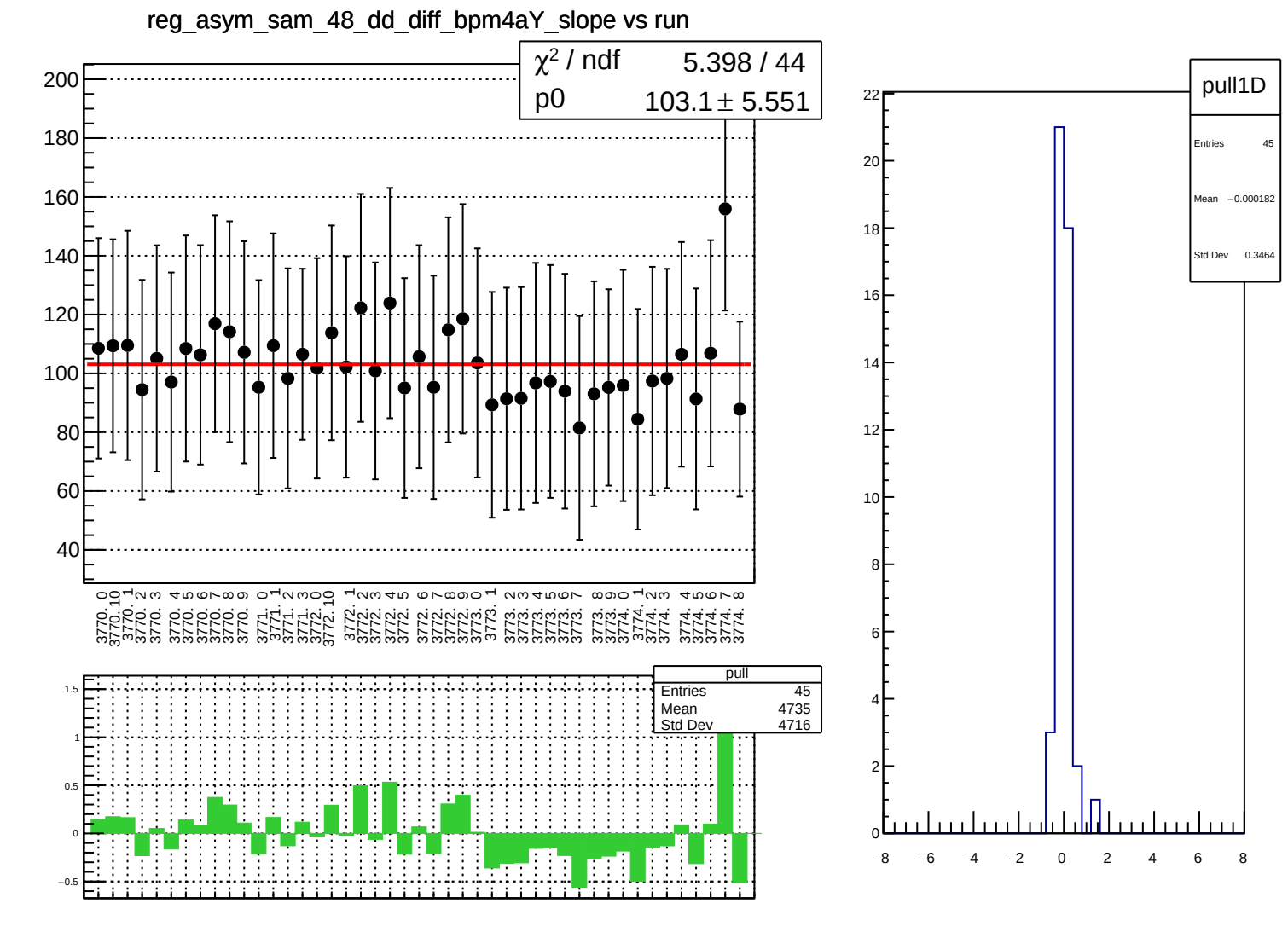

pull1D
Entries 45
Mean 0.001543
Std Dev 0.3683
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

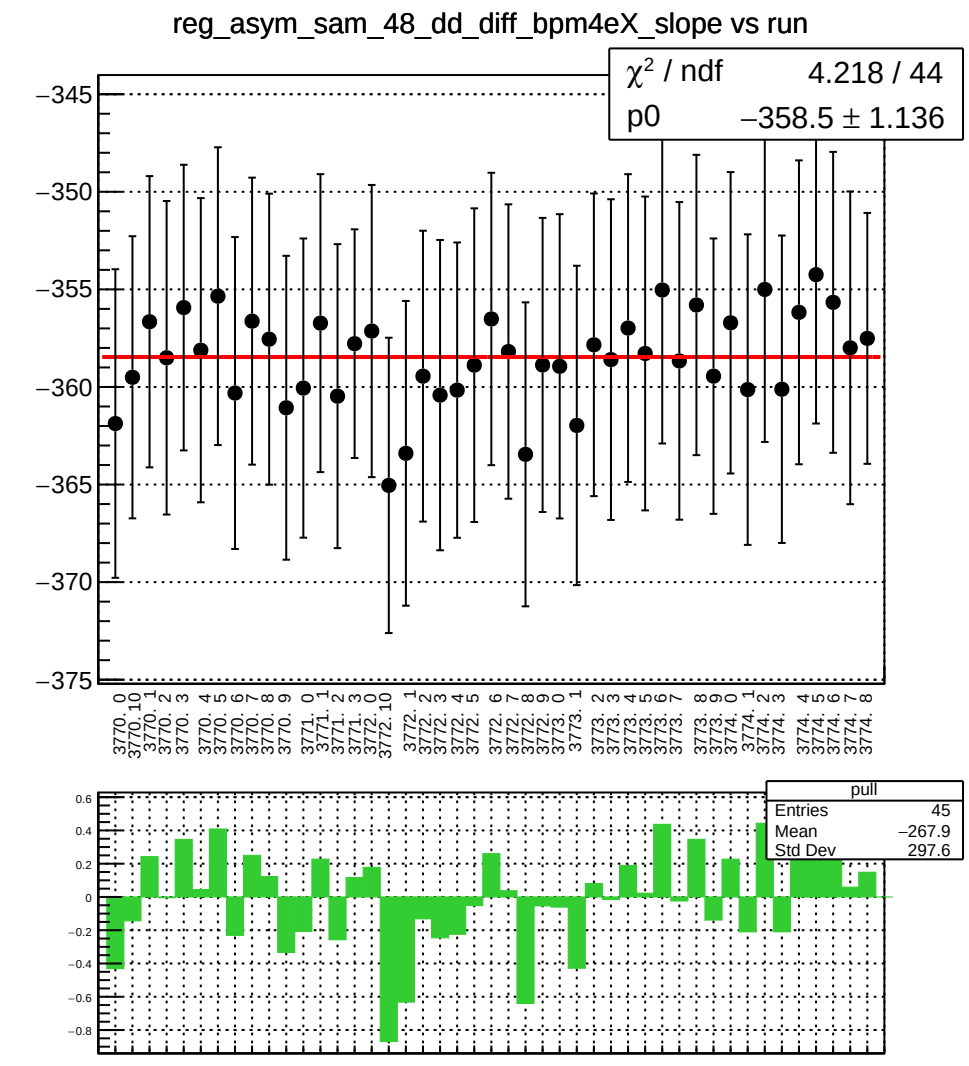

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 1.101 / 44
p0 3.914 ± 0.9503
pull
Entries 45
Mean 126.5
Std Dev 166.9

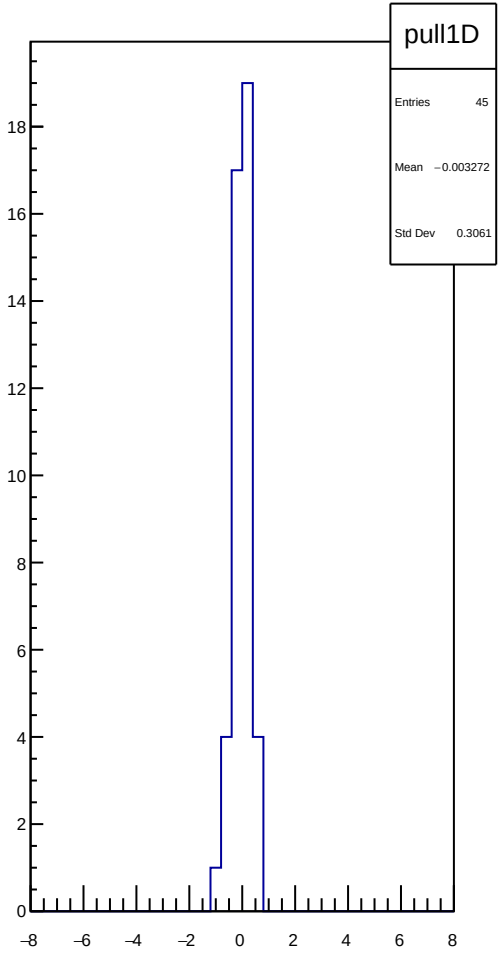

pull1D
Entries 45
Mean 0.0001624
Std Dev 0.1564

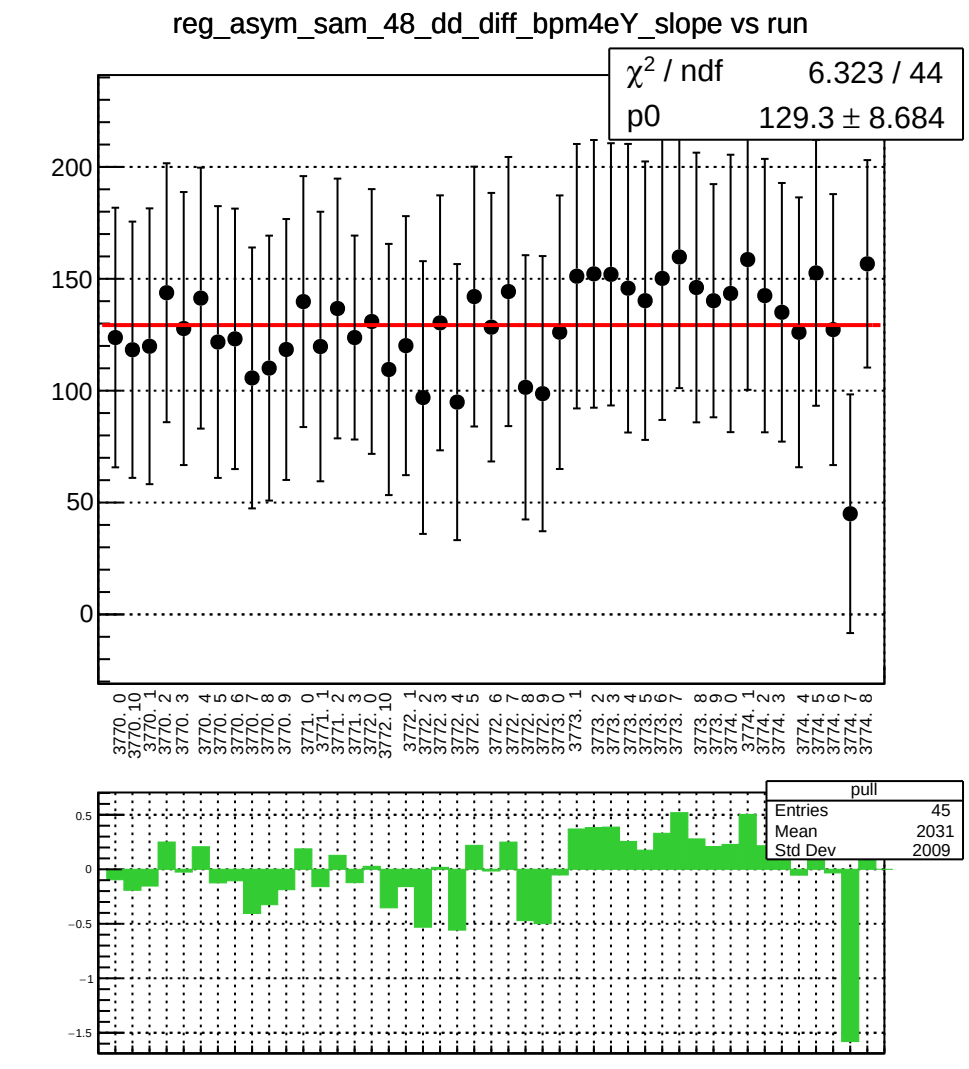

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.008 / 44
p0 45.29 ± 6.734
pull
Entries 45
Mean 457.5
Std Dev 426.8

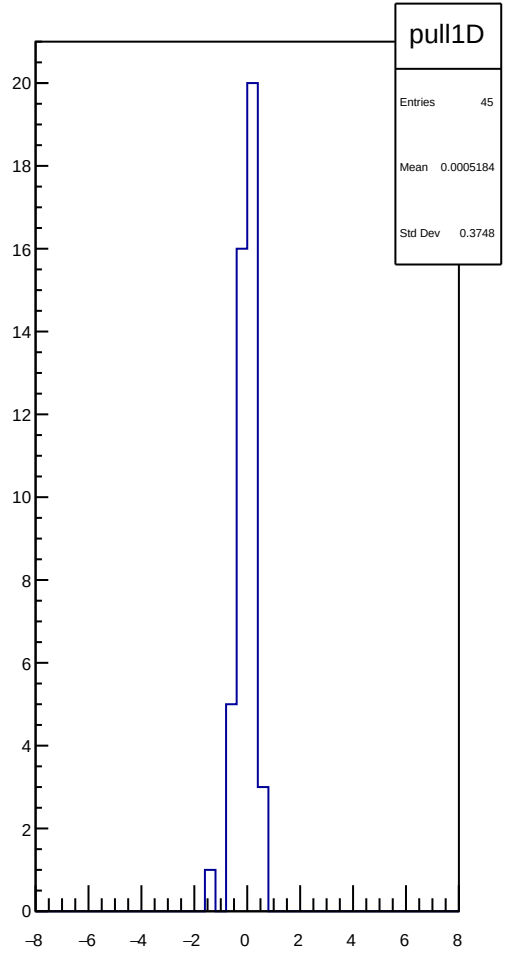

pull1D
Entries 45
Mean −0.003453
Std Dev 0.3336

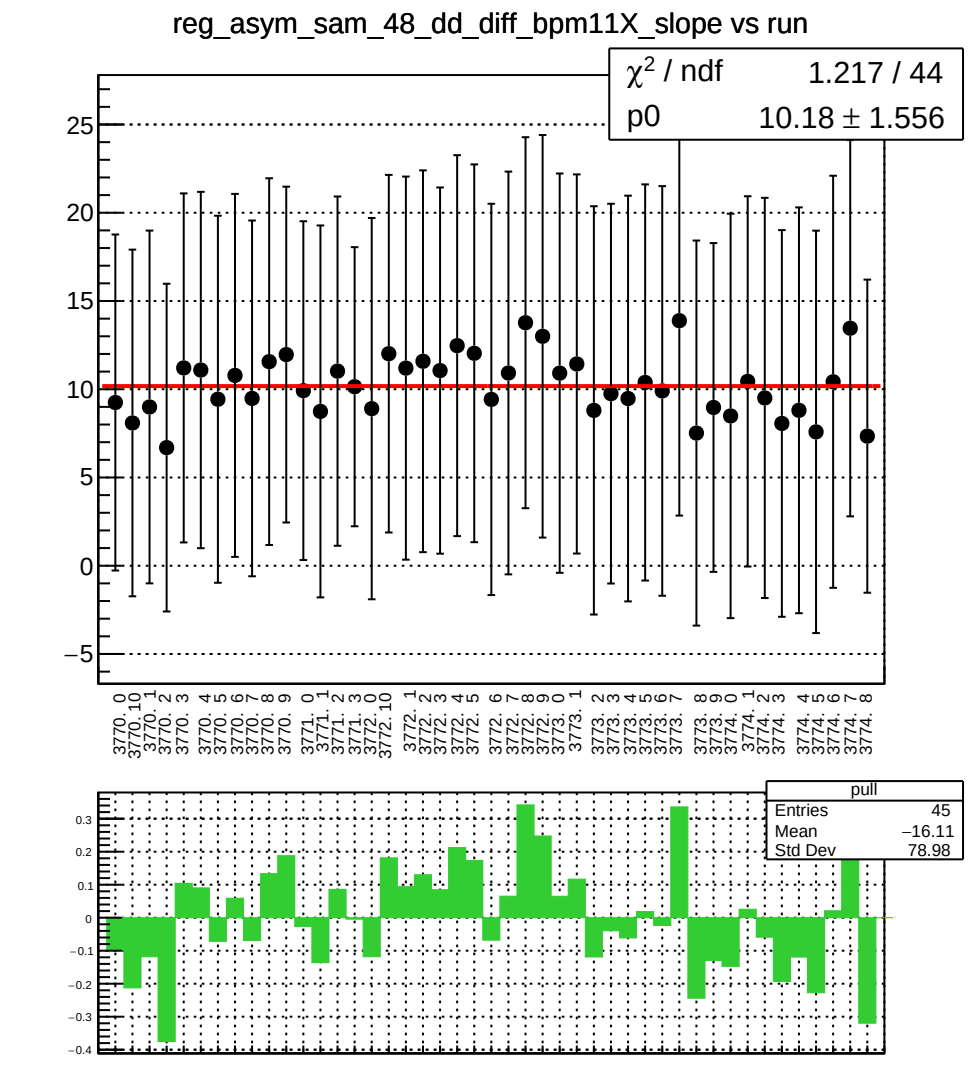

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.398 / 44
p0 103.1 ± 5.551
200
180
160
140
120
100
80
60
40
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 4735
Std Dev 4716
1.5
1
0.5
0
−0.5
pull1D
Entries 45
Mean −0.000182
Std Dev 0.3464
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

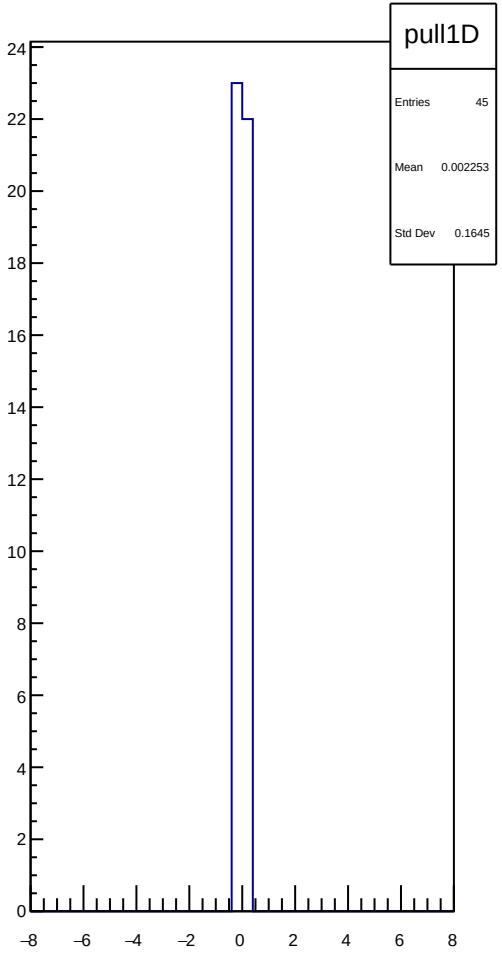

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.218 / 44
p0 −358.5 ± 1.136
−345
−350
−355
−360
−365
−370
−375
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −267.9
Std Dev 297.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

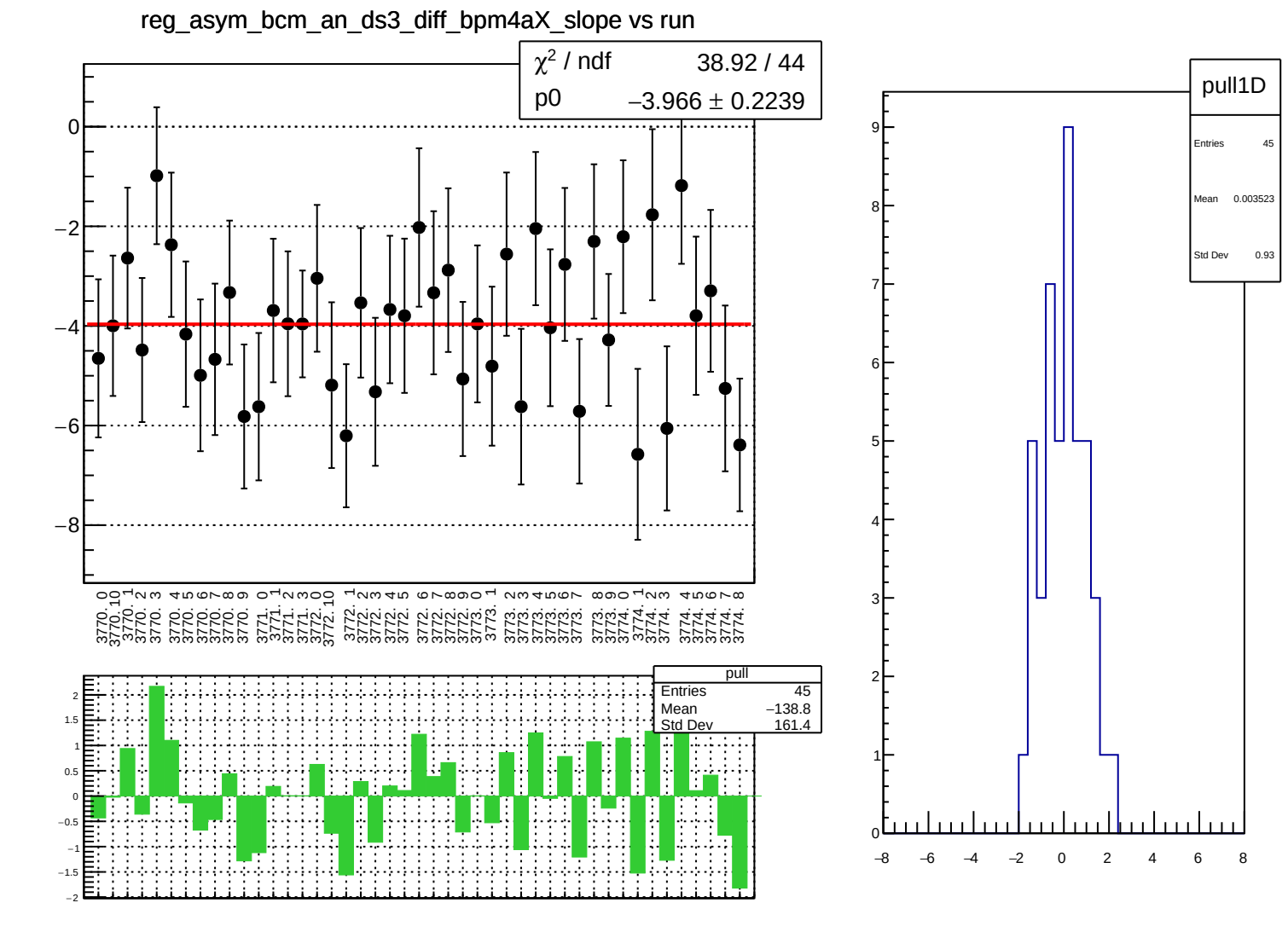

pull1D
Entries 45
Mean −0.003272
Std Dev 0.3061
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

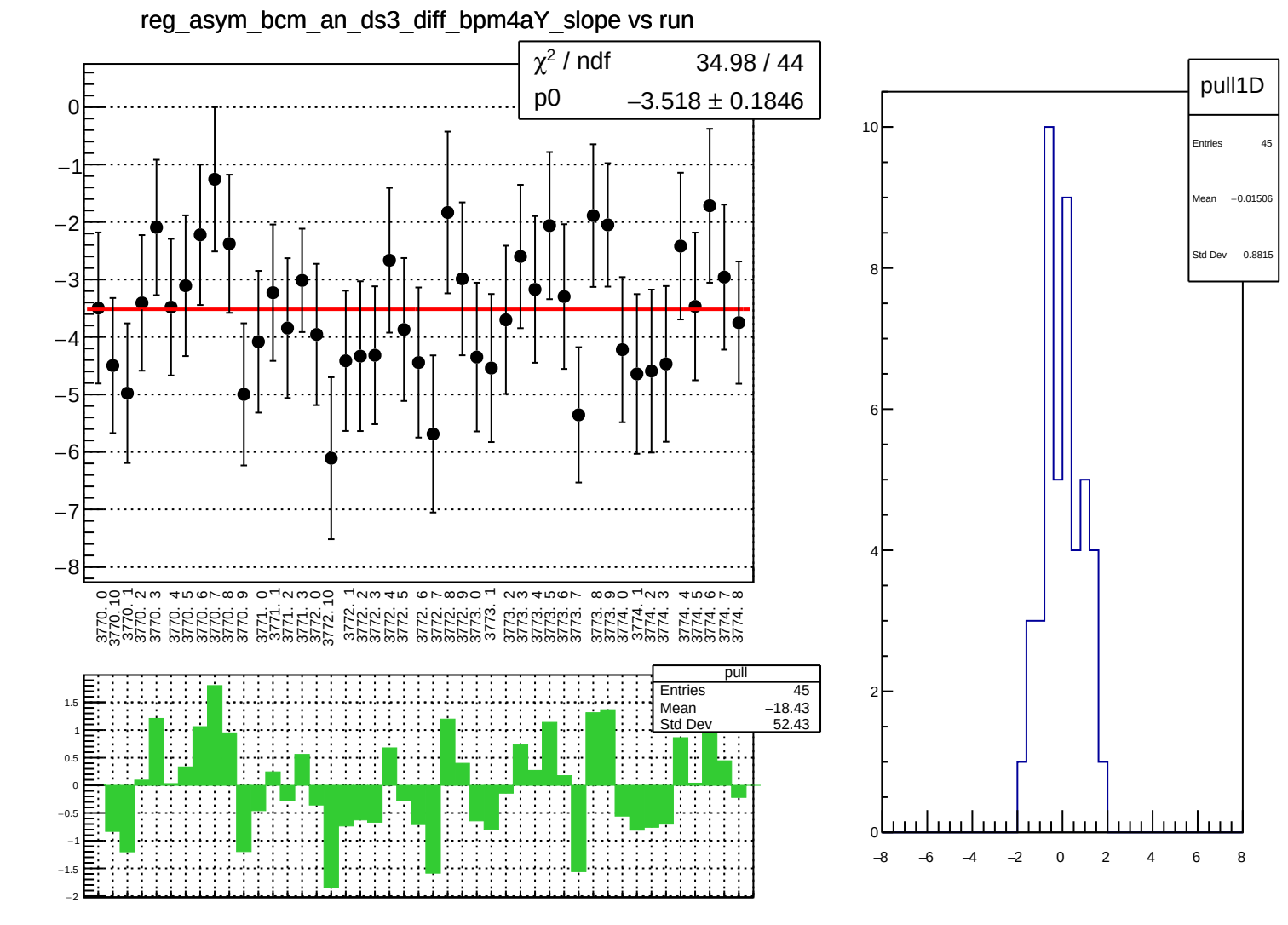

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.323 / 44
p0 129.3 ± 8.684
200
150
100
50
0
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 2031
Std Dev 2009
0.5
0
−0.5
−1
−1.5

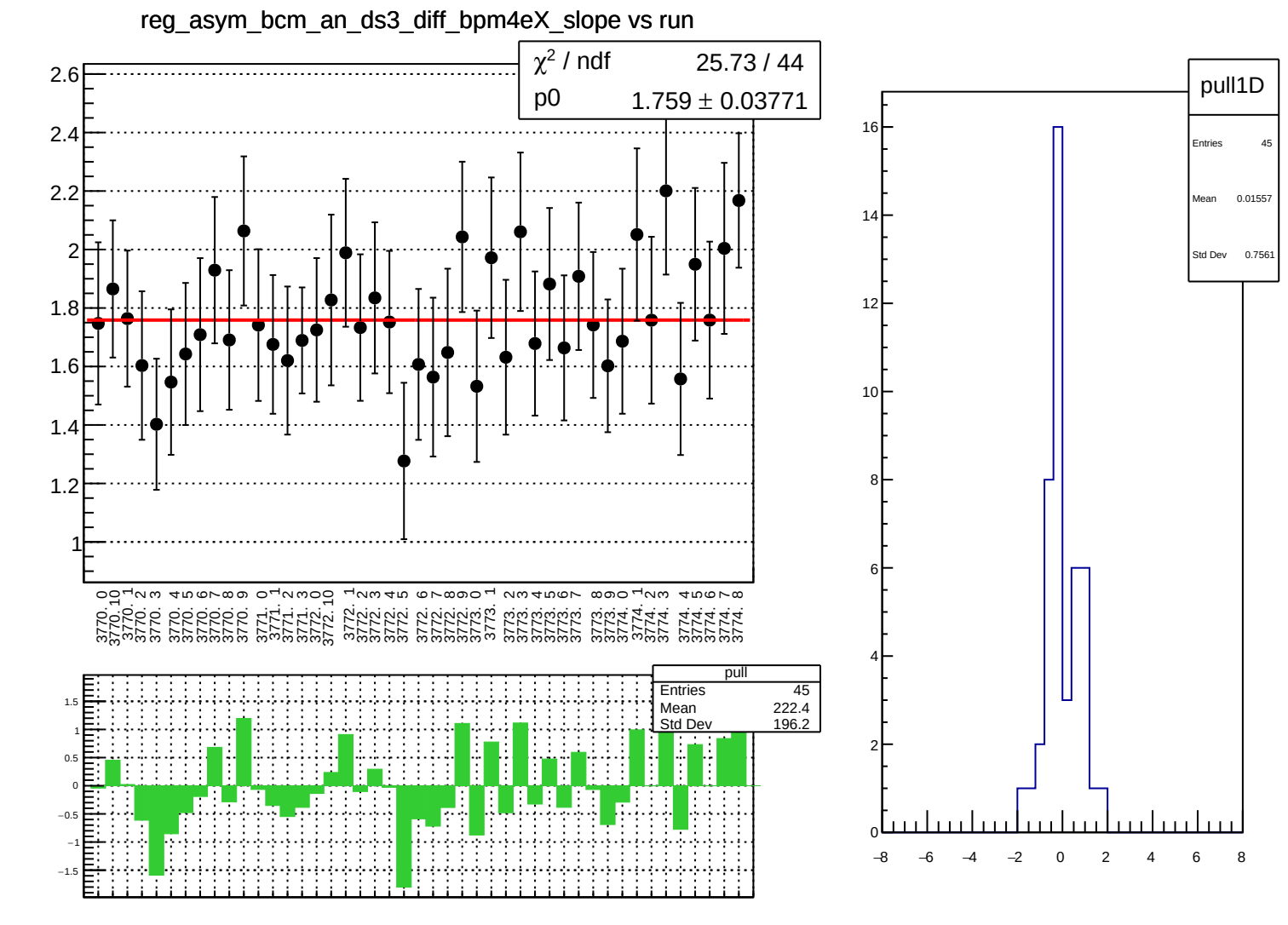

pull1D
Entries 45
Mean 0.0005184
Std Dev 0.3748
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

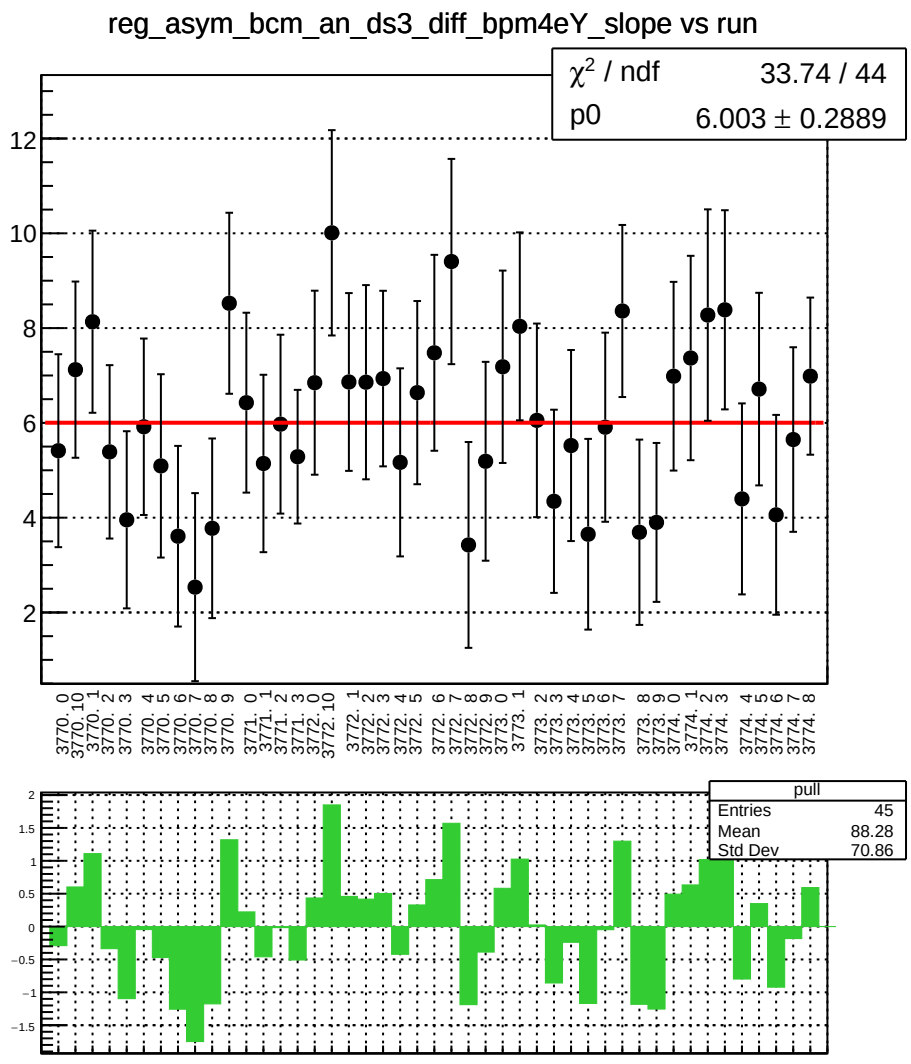

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 1.217 / 44
p0 10.18 ± 1.556
pull
Entries 45
Mean −16.11
Std Dev 78.98

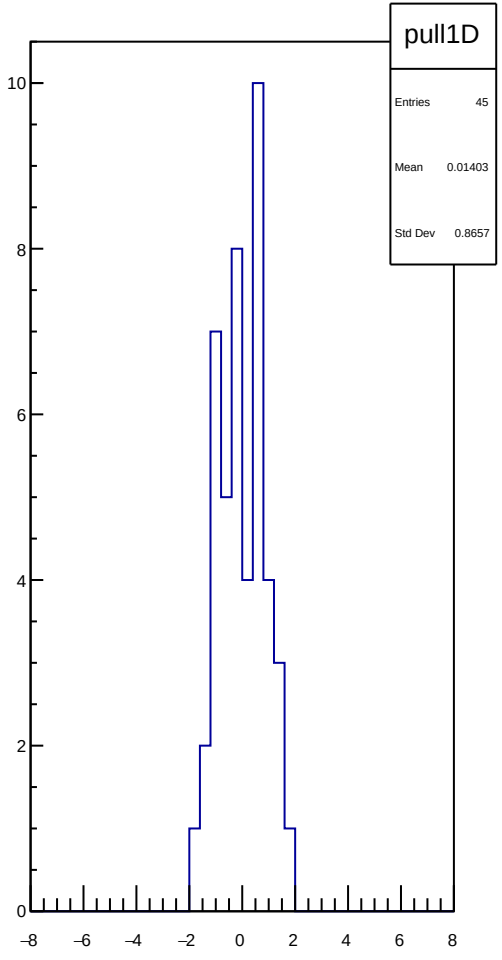

pull1D
Entries 45
Mean 0.002253
Std Dev 0.1645

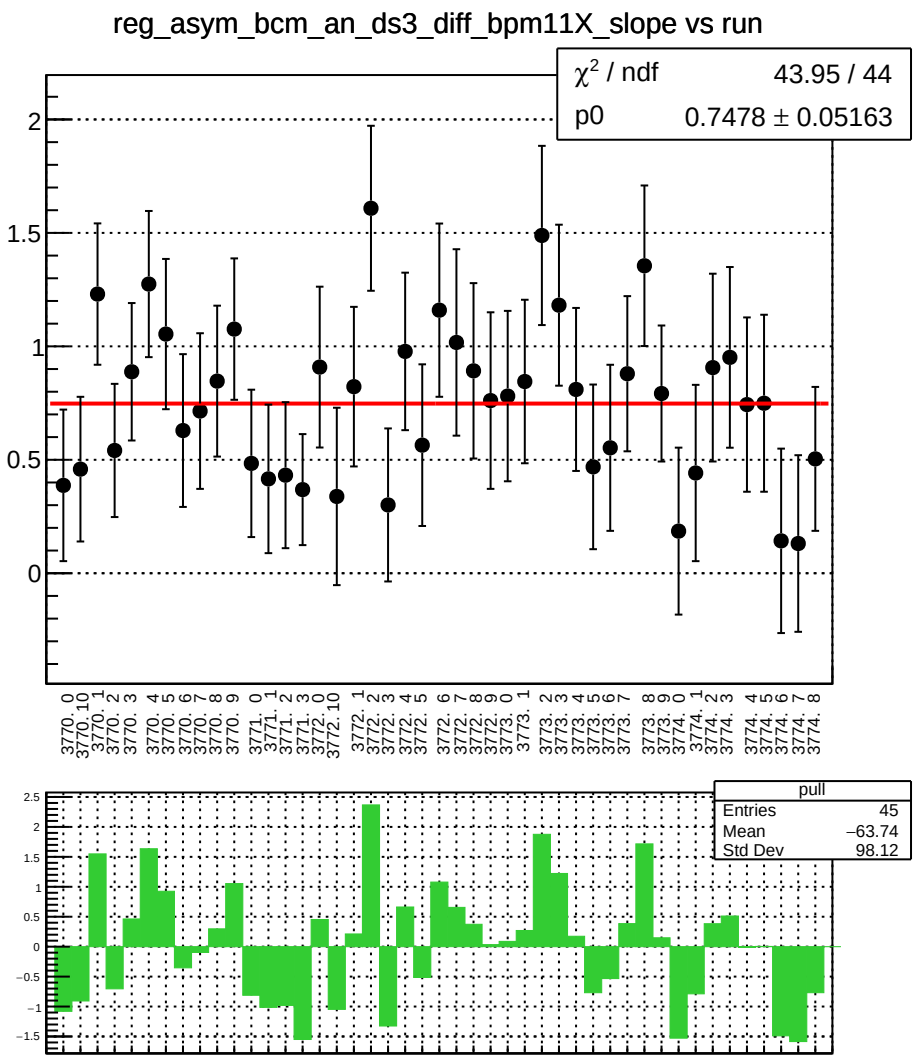

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 38.92 / 44
p0 −3.966 ± 0.2239
pull
Entries 45
Mean −138.8
Std Dev 161.4
pull1D
Entries 45
Mean 0.003523
Std Dev 0.93

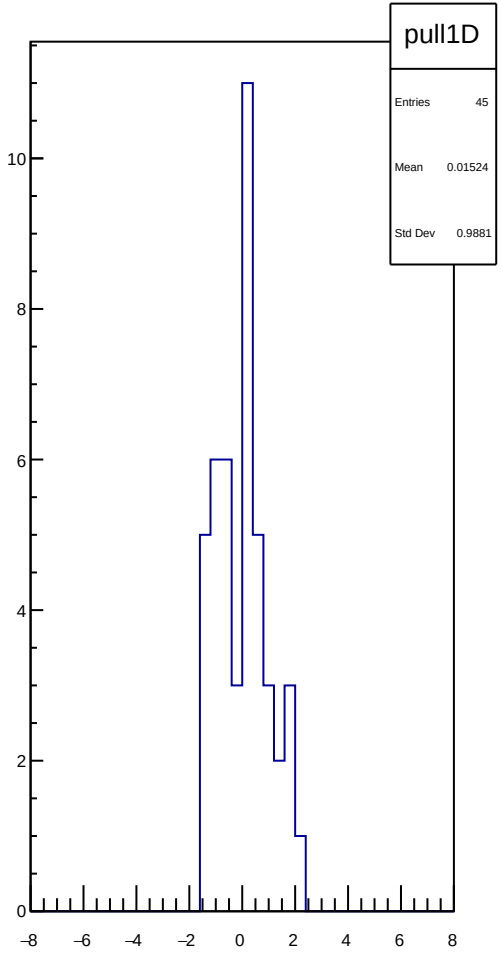

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 34.98 / 44
p0 −3.518 ± 0.1846
pull
Entries 45
Mean −18.43
Std Dev 52.43
pull1D
Entries 45
Mean −0.01506
Std Dev 0.8815

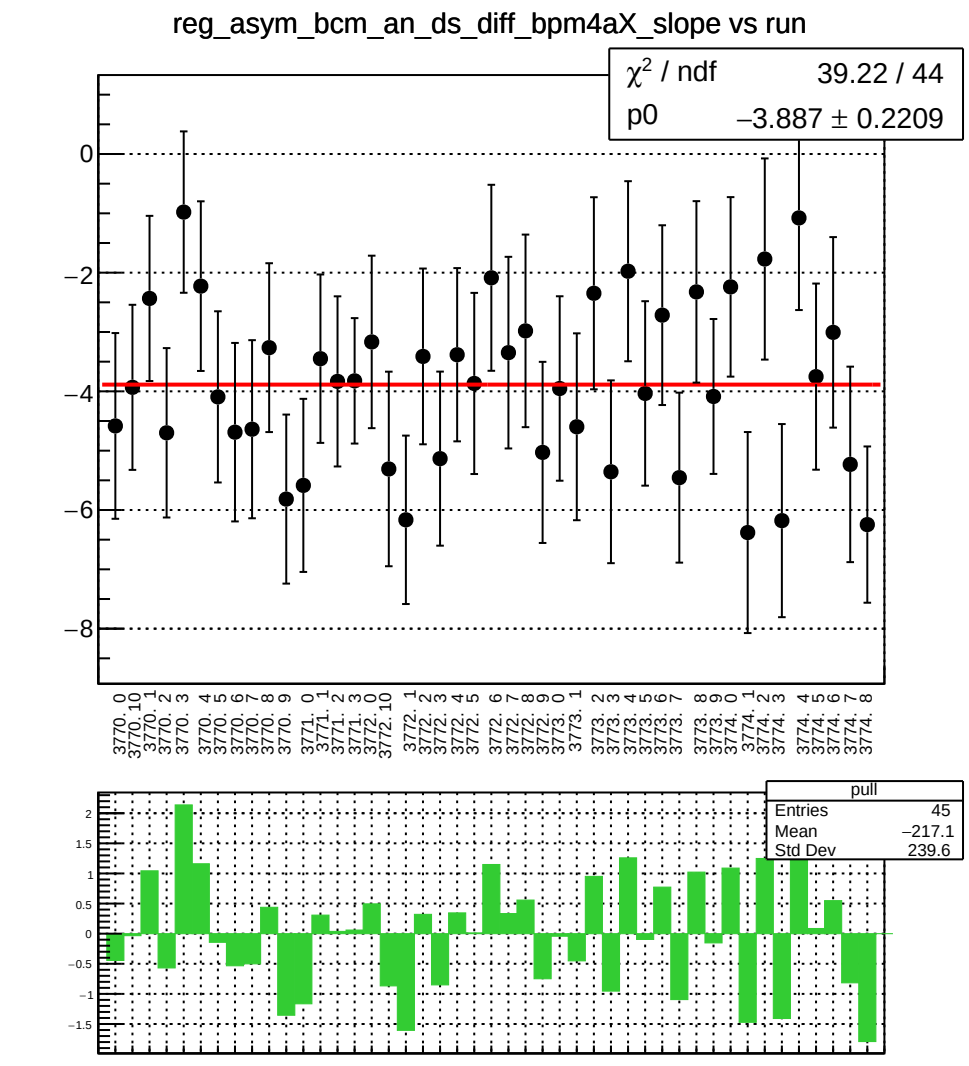

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 25.73 / 44
p0 1.759 ± 0.03771
pull
Entries 45
Mean 222.4
Std Dev 196.2
pull1D
Entries 45
Mean 0.01557
Std Dev 0.7561

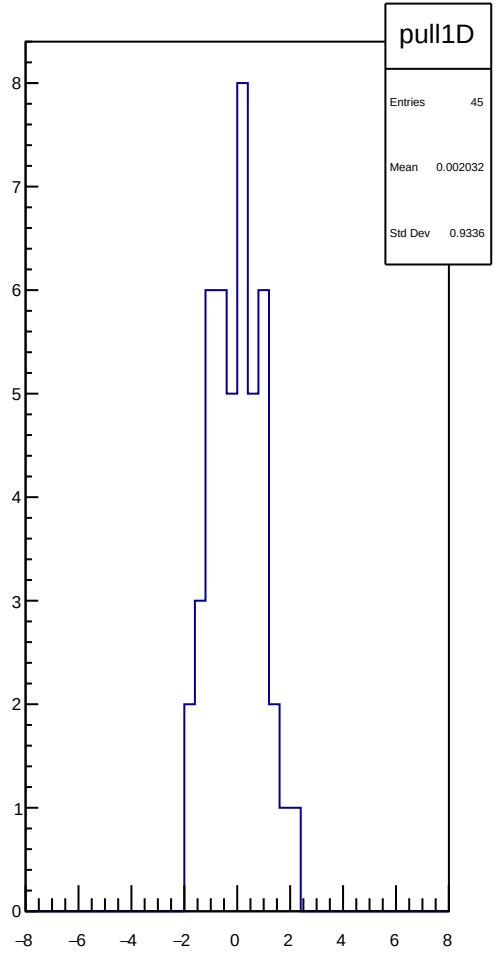

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 33.74 / 44
p0 6.003 ± 0.2889
pull
Entries 45
Mean 88.28
Std Dev 70.86

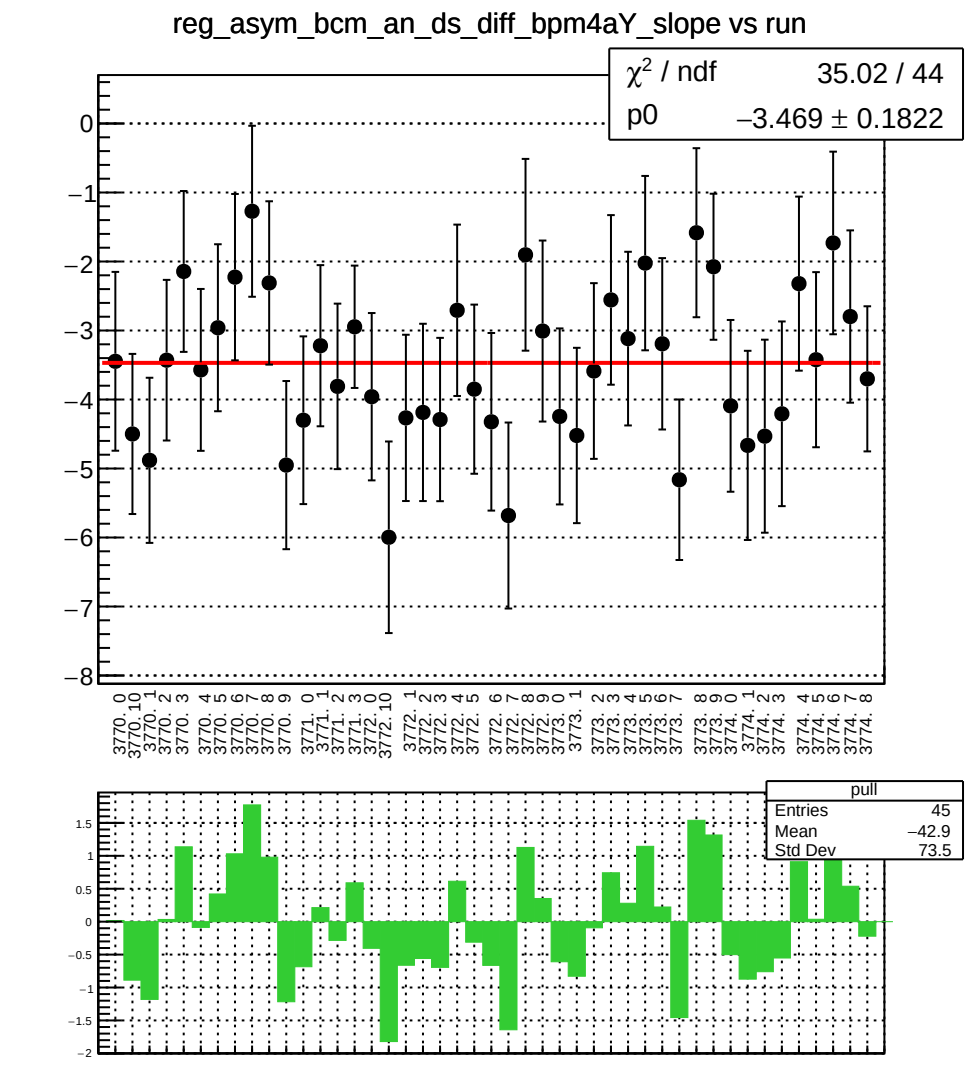

pull1D
Entries 45
Mean 0.01403
Std Dev 0.8657

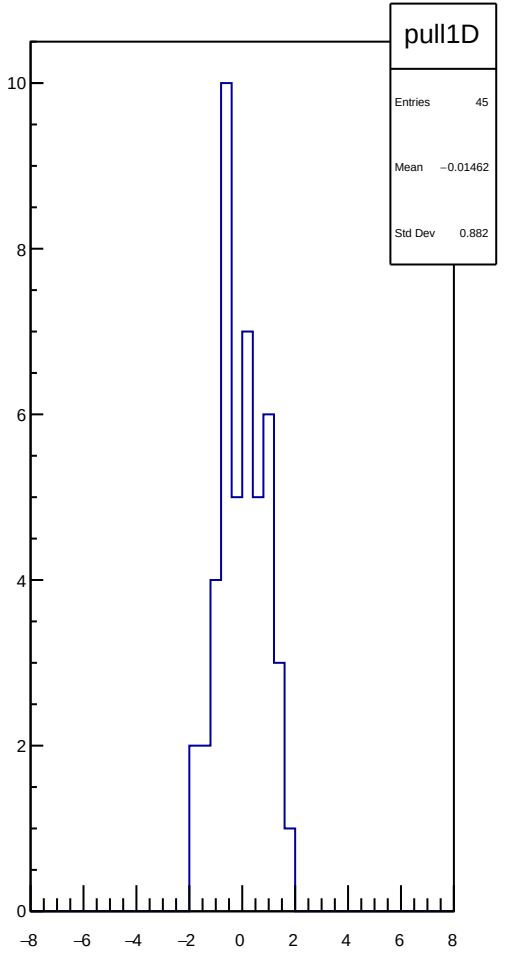

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 43.95 / 44
p0 0.7478 ± 0.05163
pull
Entries 45
Mean −63.74
Std Dev 98.12

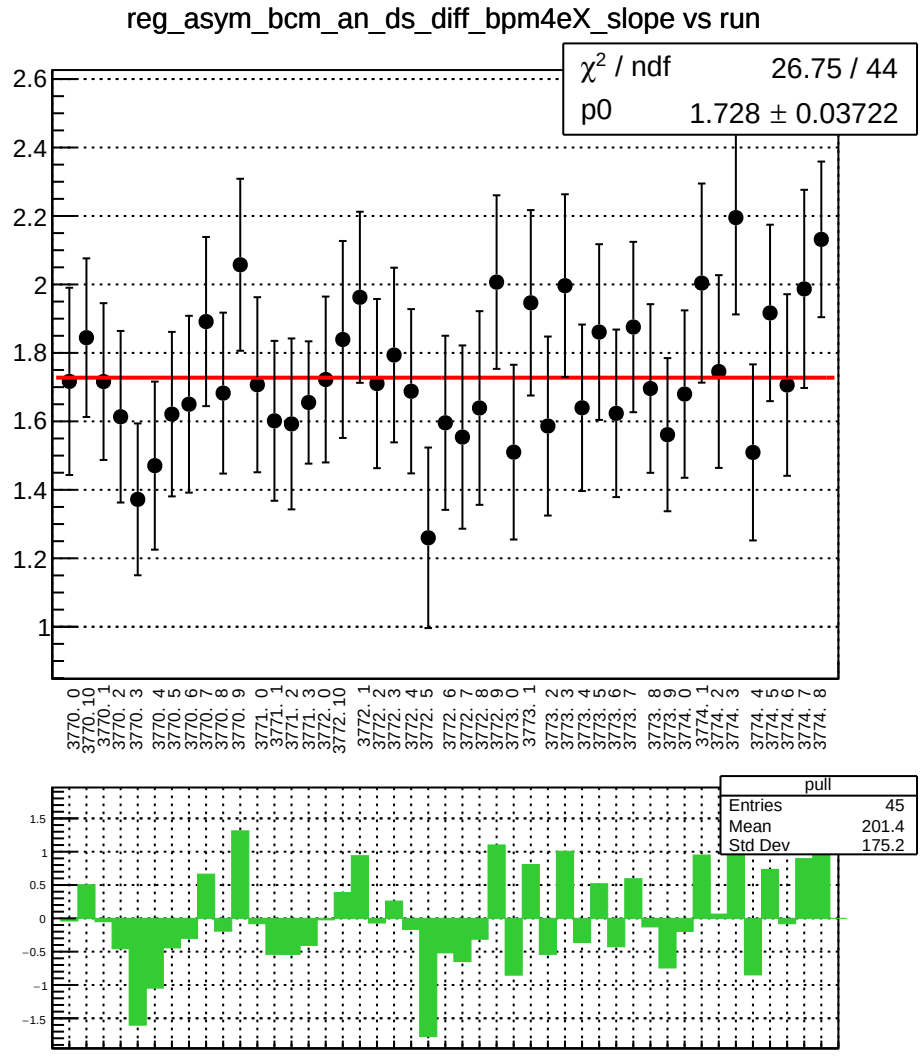

pull1D
Entries 45
Mean 0.01524
Std Dev 0.9881

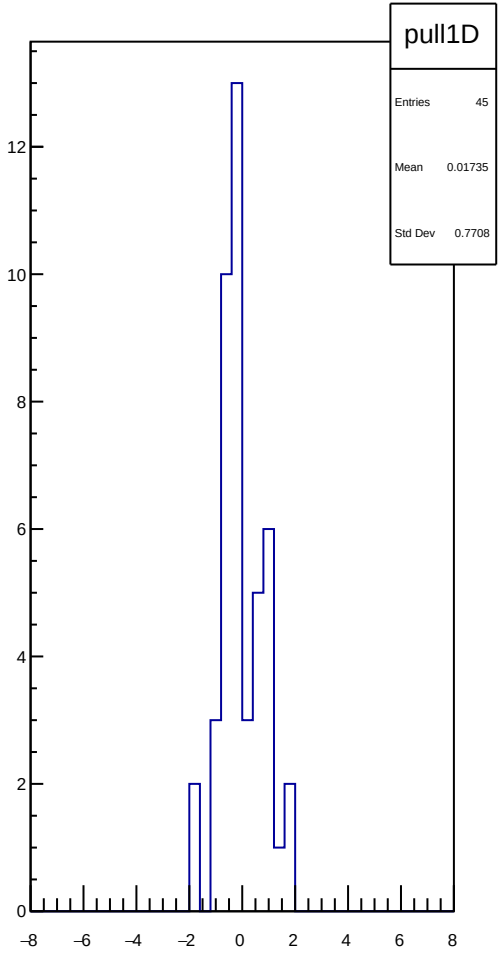

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 39.22 / 44
p0 −3.887 ± 0.2209
pull
Entries 45
Mean −217.1
Std Dev 239.6

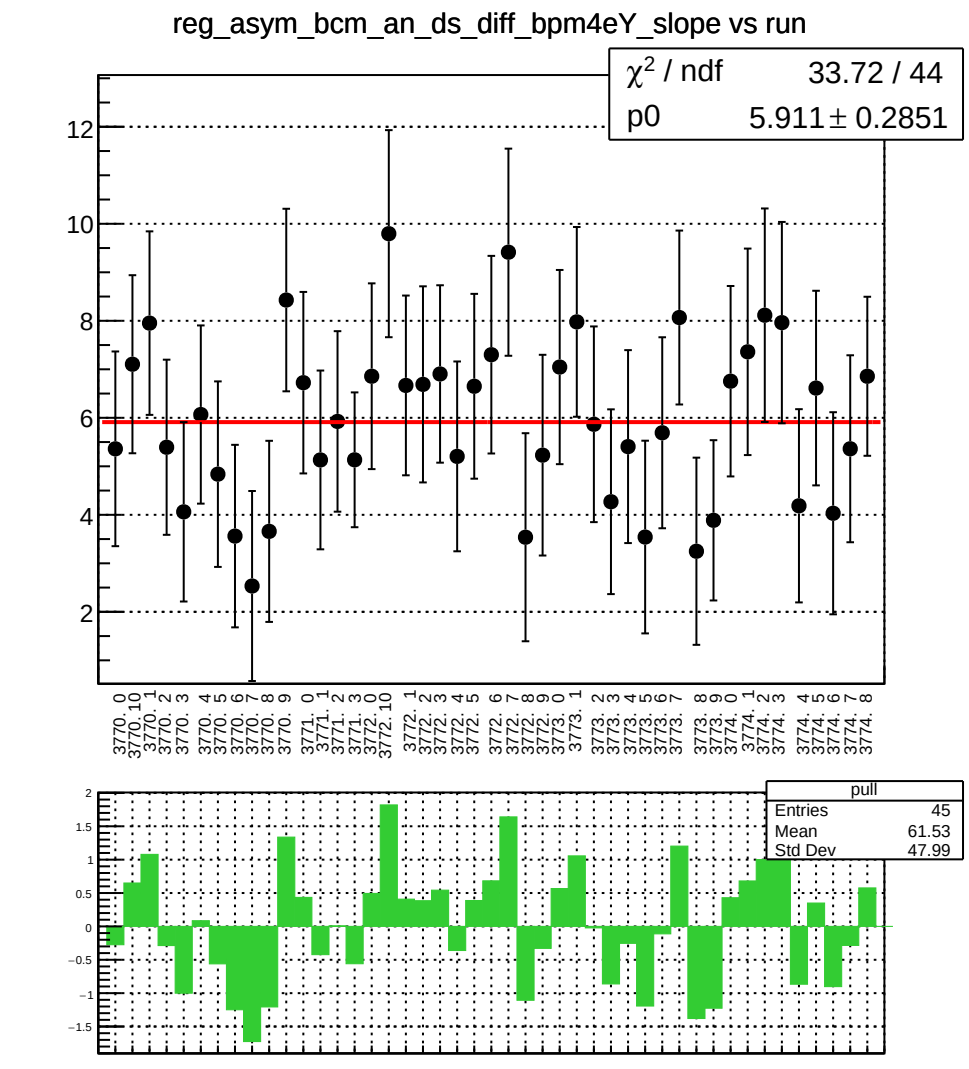

pull1D
Entries 45
Mean 0.002032
Std Dev 0.9336

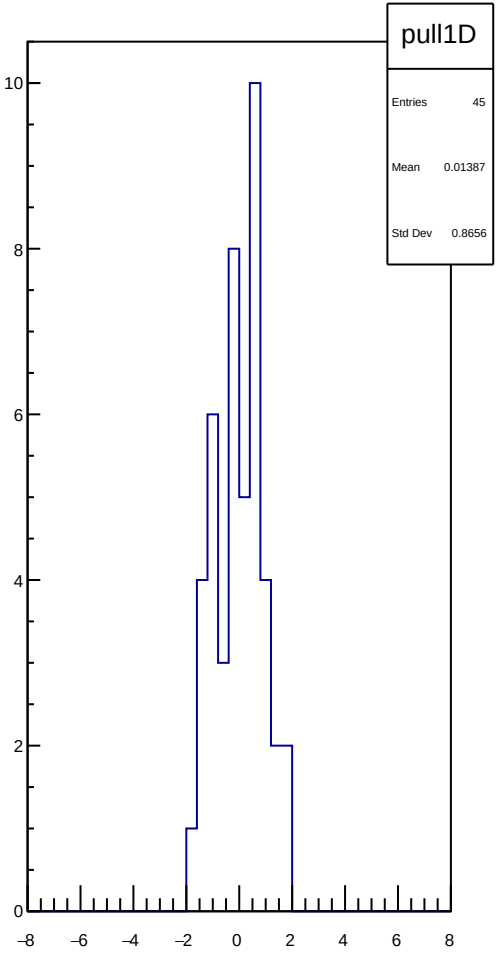

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 35.02 / 44
p0 −3.469 ± 0.1822
pull
Entries 45
Mean −42.9
Std Dev 73.5

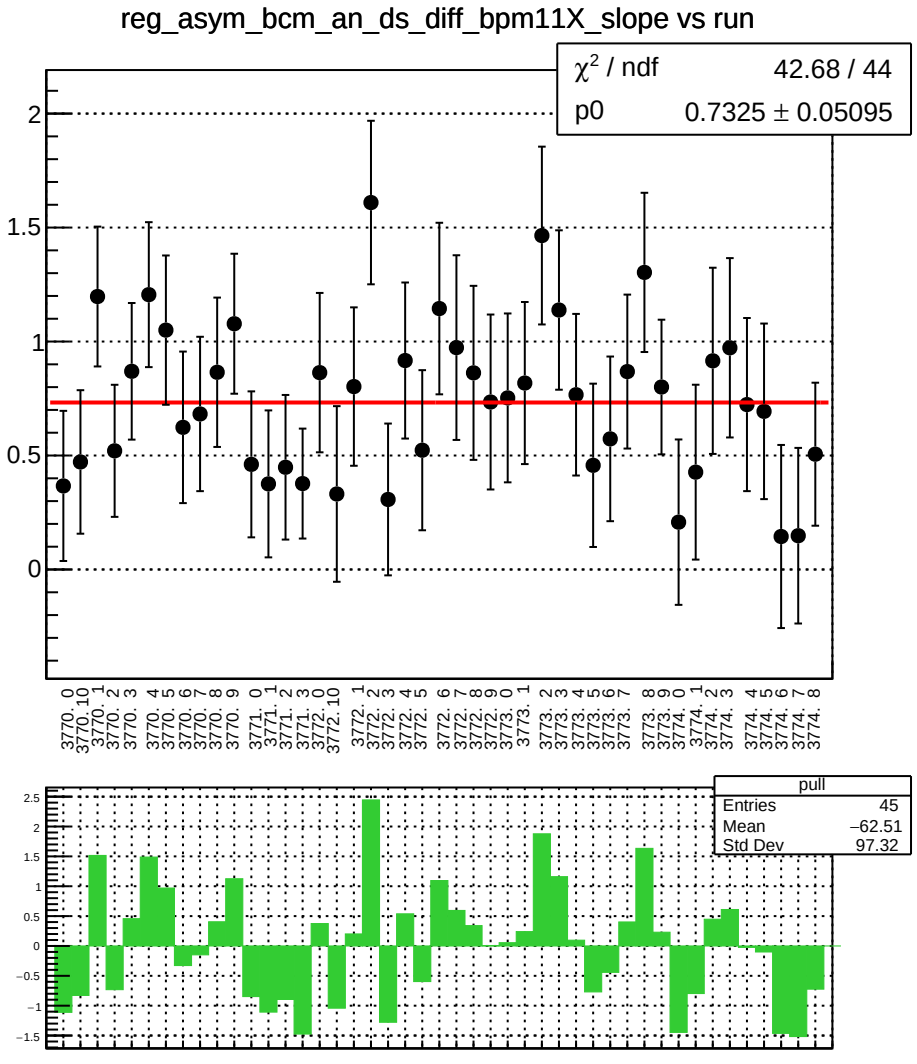

pull1D
Entries 45
Mean −0.01462
Std Dev 0.882

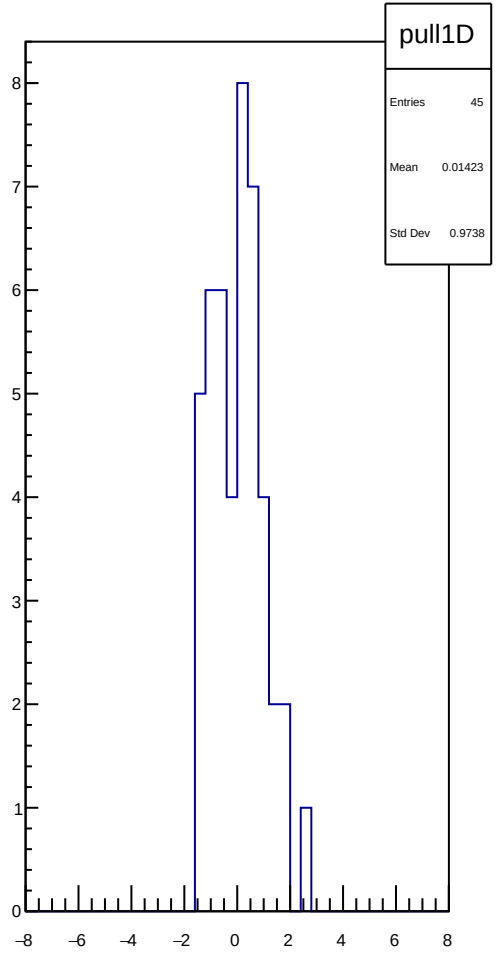

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 26.75 / 44
p0 1.728 ± 0.03722
pull
Entries 45
Mean 201.4
Std Dev 175.2

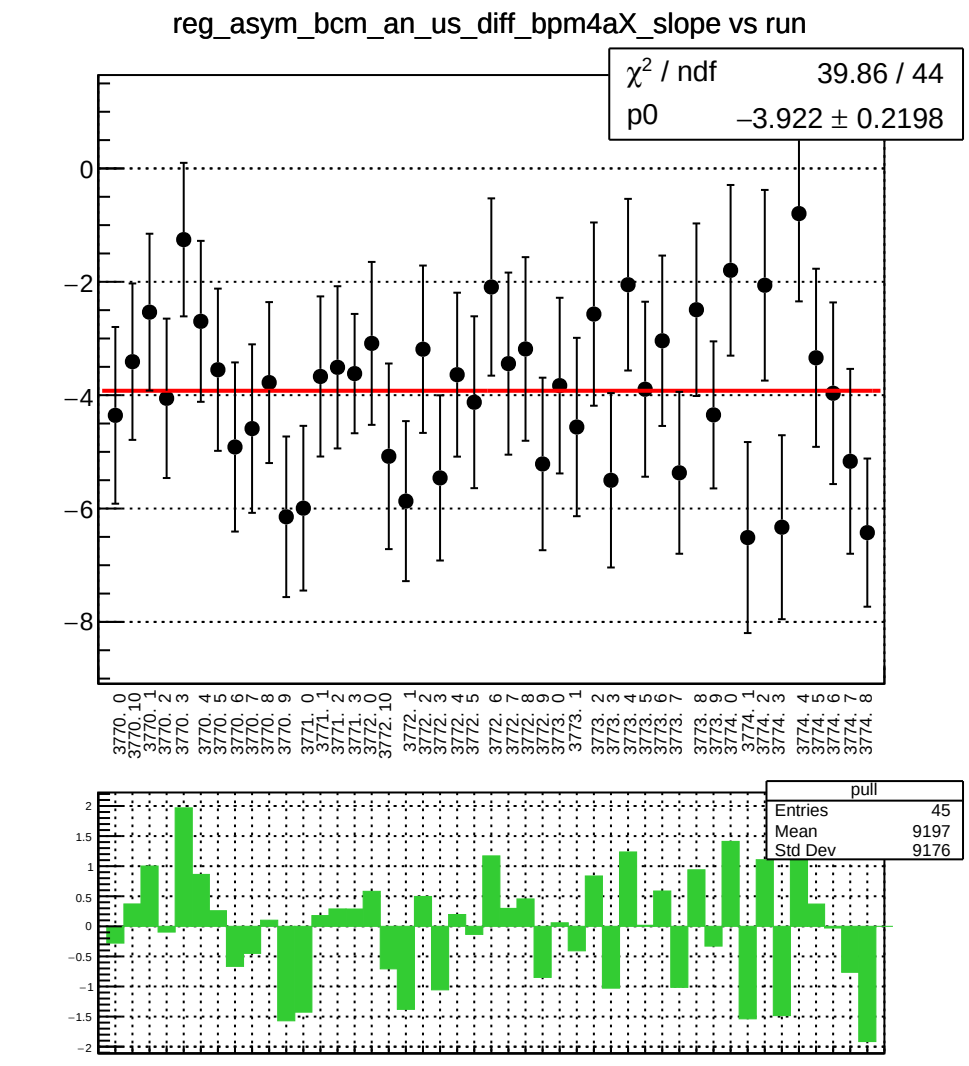

pull1D
Entries 45
Mean 0.01735
Std Dev 0.7708

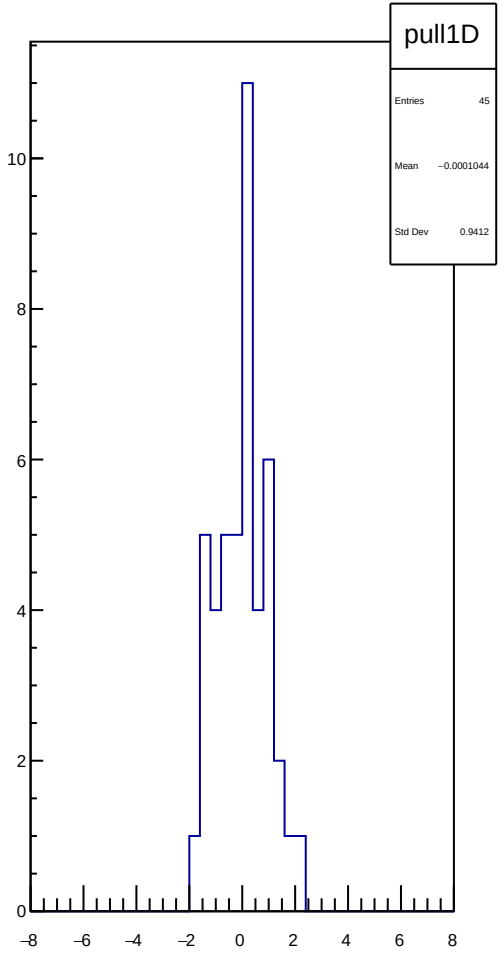

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 33.72 / 44
p0 5.911 ± 0.2851
pull
Entries 45
Mean 61.53
Std Dev 47.99

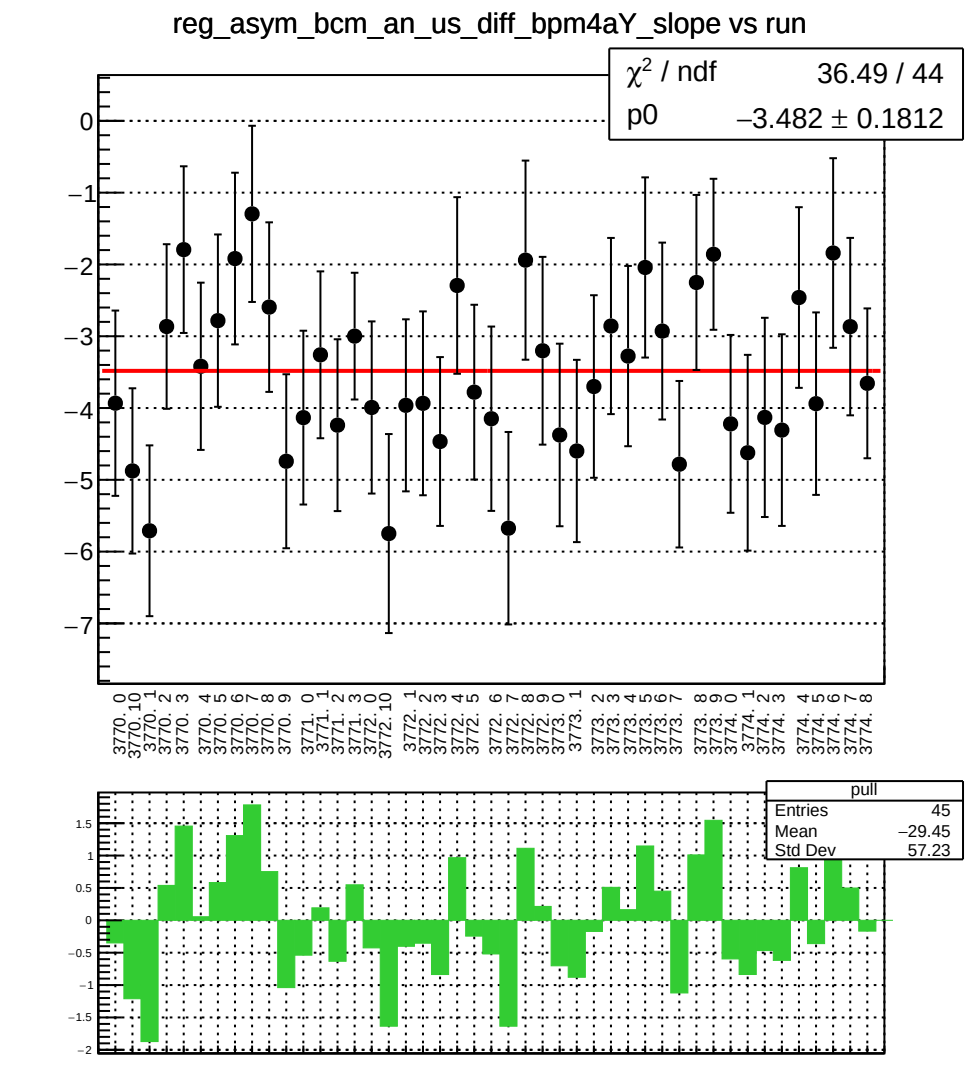

pull1D
Entries 45
Mean 0.01387
Std Dev 0.8656

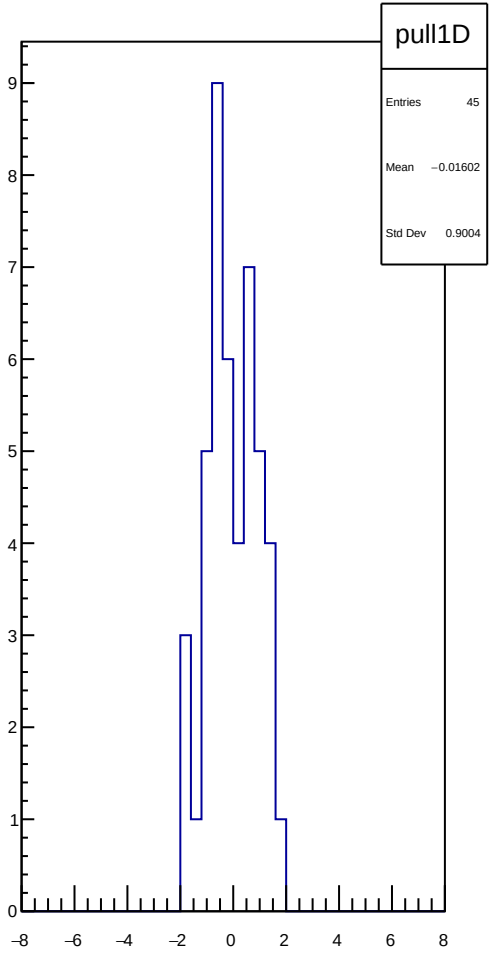

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 42.68 / 44
p0 0.7325 ± 0.05095
pull
Entries 45
Mean −62.51
Std Dev 97.32

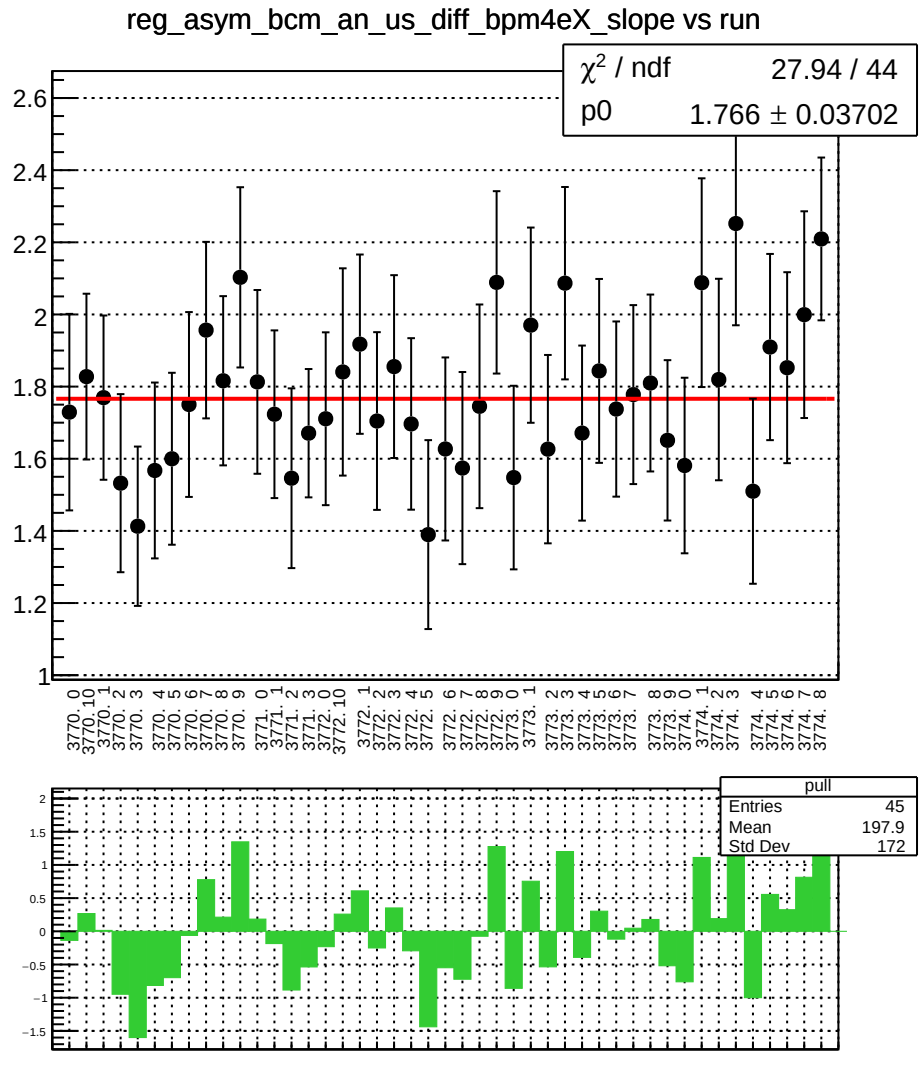

pull1D
Entries 45
Mean 0.01423
Std Dev 0.9738

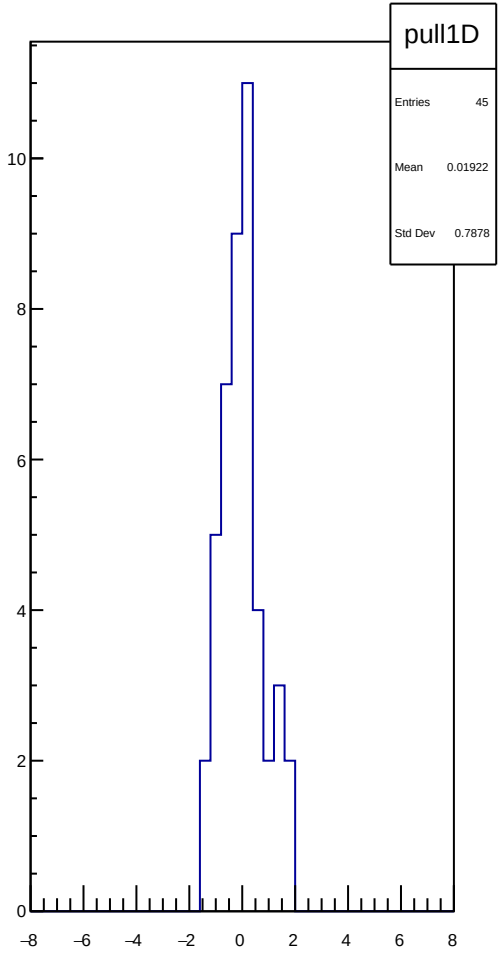

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 39.86 / 44
p0 −3.922 ± 0.2198
pull
Entries 45
Mean 9197
Std Dev 9176

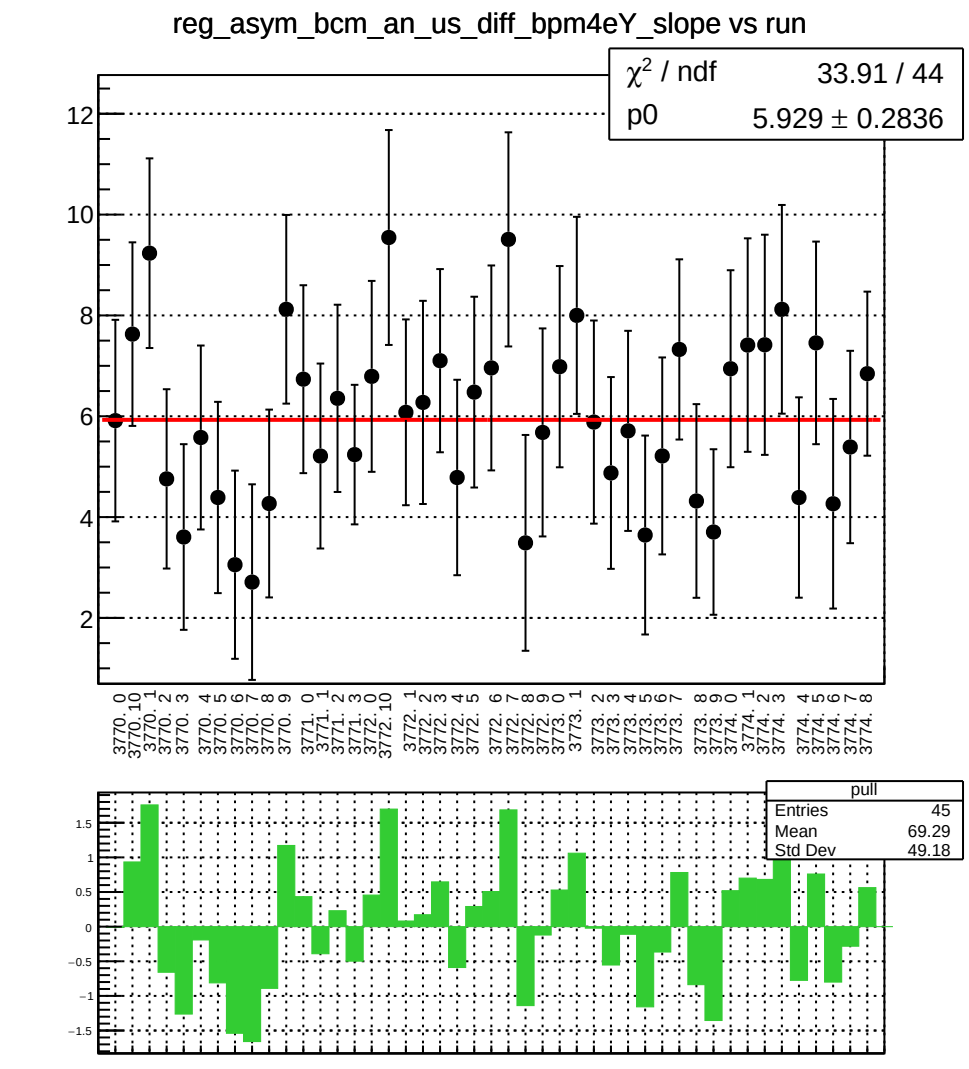

pull1D
Entries 45
Mean −0.0001044
Std Dev 0.9412

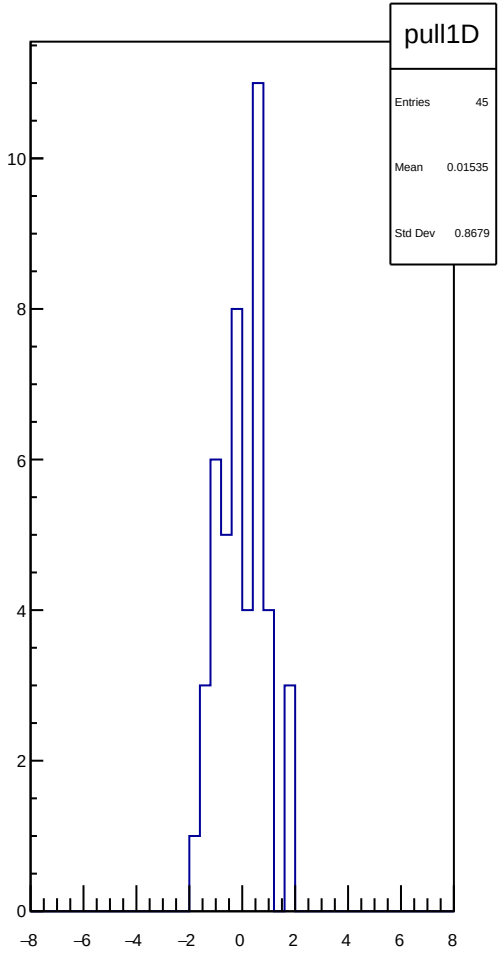

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 36.49 / 44
p0 −3.482 ± 0.1812
pull
Entries 45
Mean −29.45
Std Dev 57.23

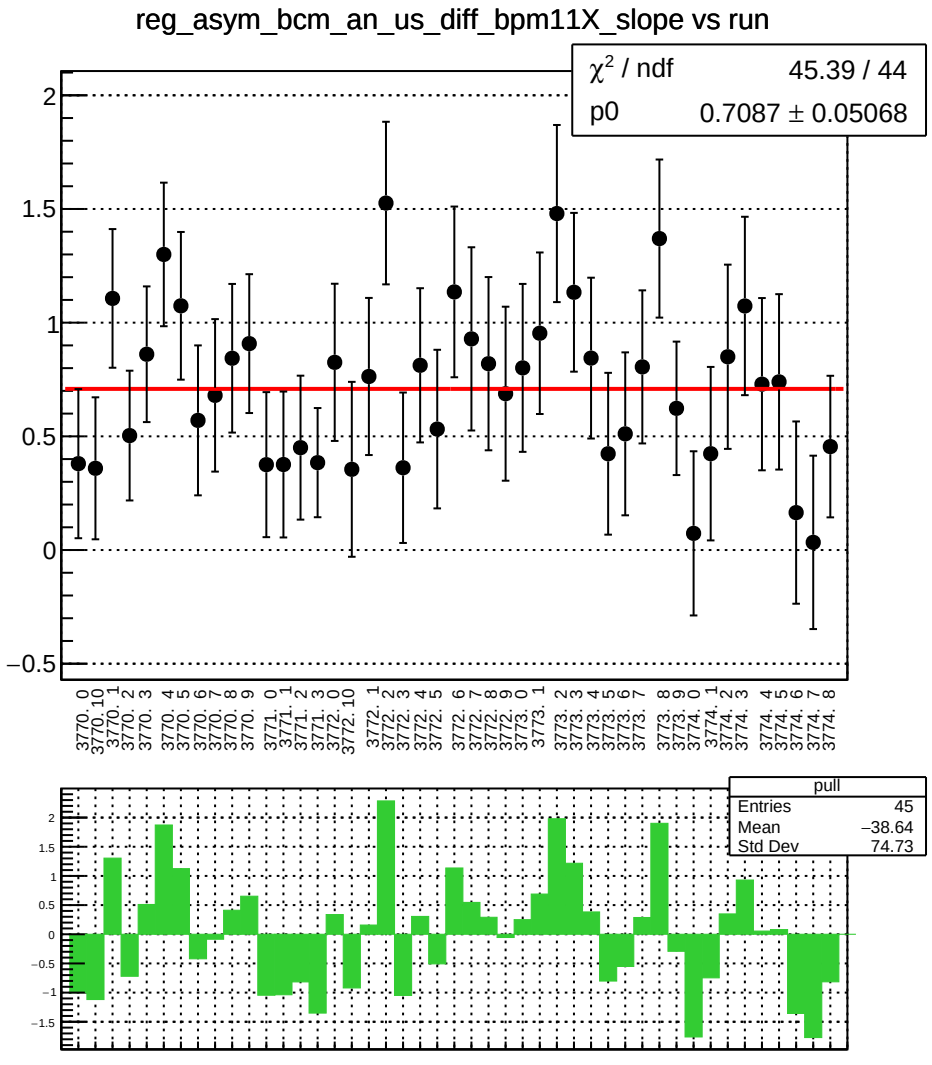

pull1D
Entries 45
Mean −0.01602
Std Dev 0.9004

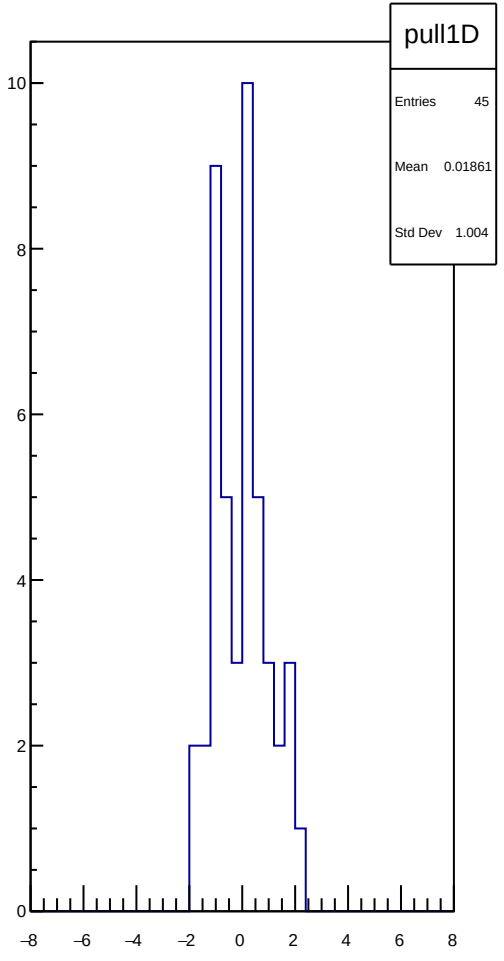

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 27.94 / 44
p0 1.766 ± 0.03702
pull
Entries 45
Mean 197.9
Std Dev 172

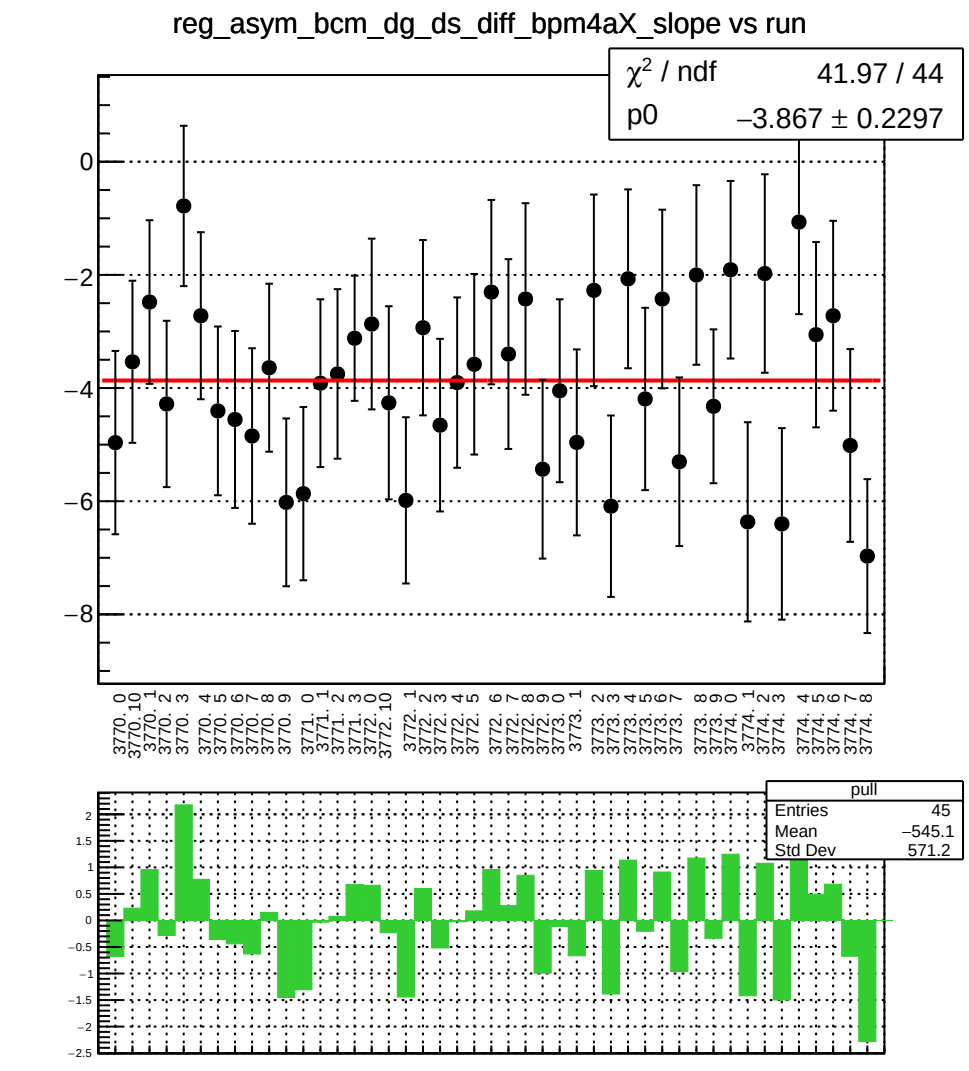

pull1D
Entries 45
Mean 0.01922
Std Dev 0.7878

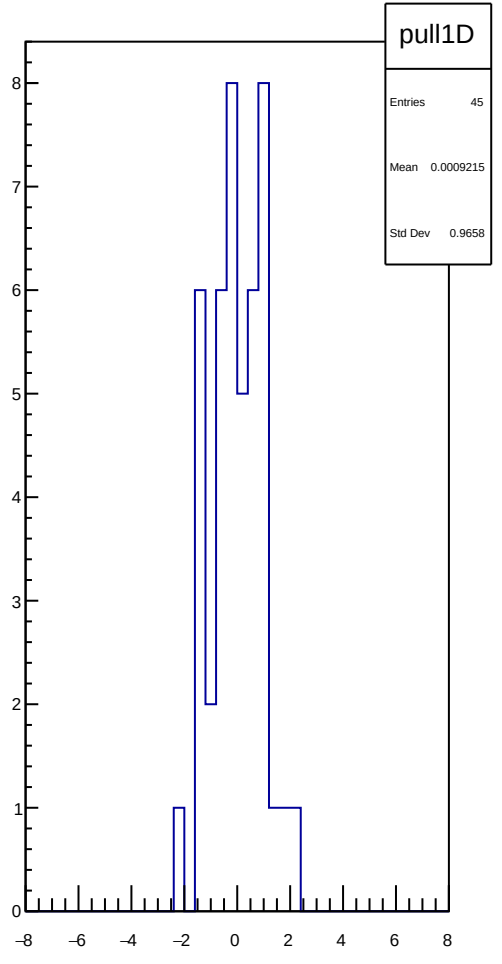

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 33.91 / 44
p0 5.929 ± 0.2836
pull
Entries 45
Mean 69.29
Std Dev 49.18

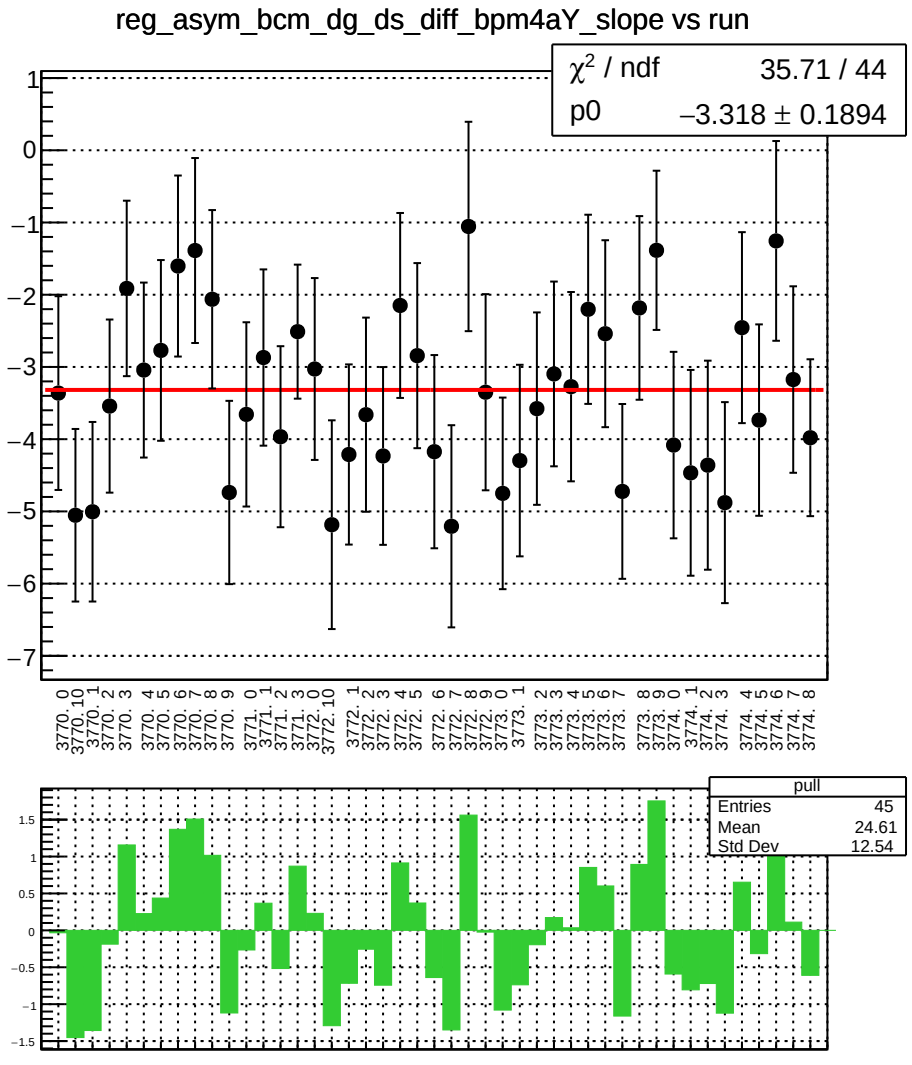

pull1D
Entries 45
Mean 0.01535
Std Dev 0.8679

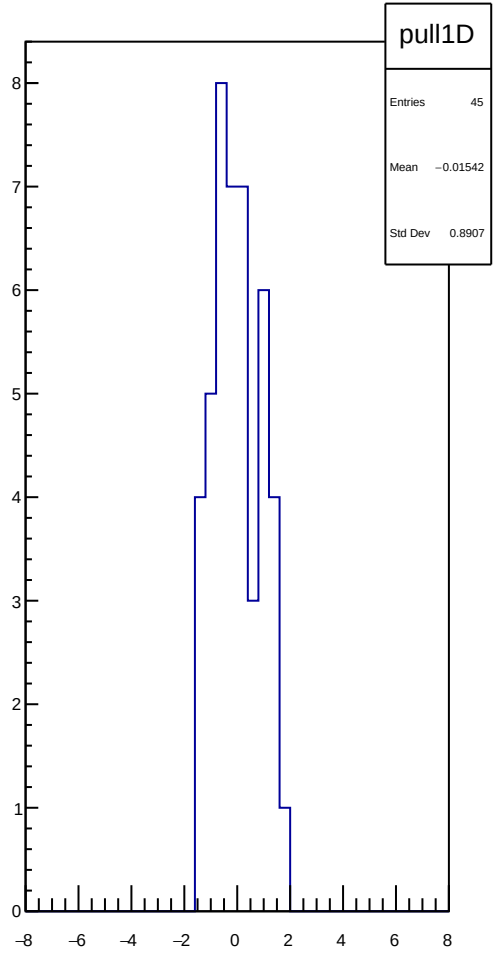

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 45.39 / 44
p0 0.7087 ± 0.05068
pull
Entries 45
Mean −38.64
Std Dev 74.73

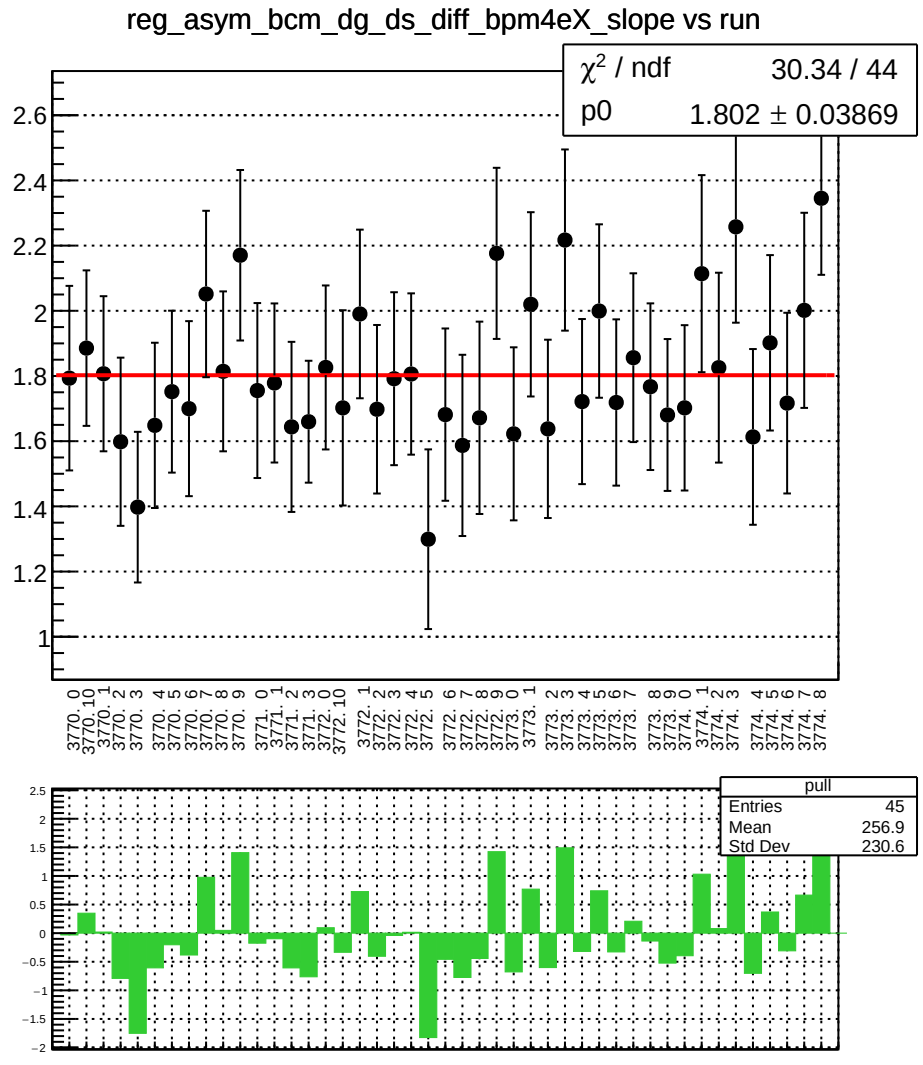

pull1D
Entries 45
Mean 0.01861
Std Dev 1.004

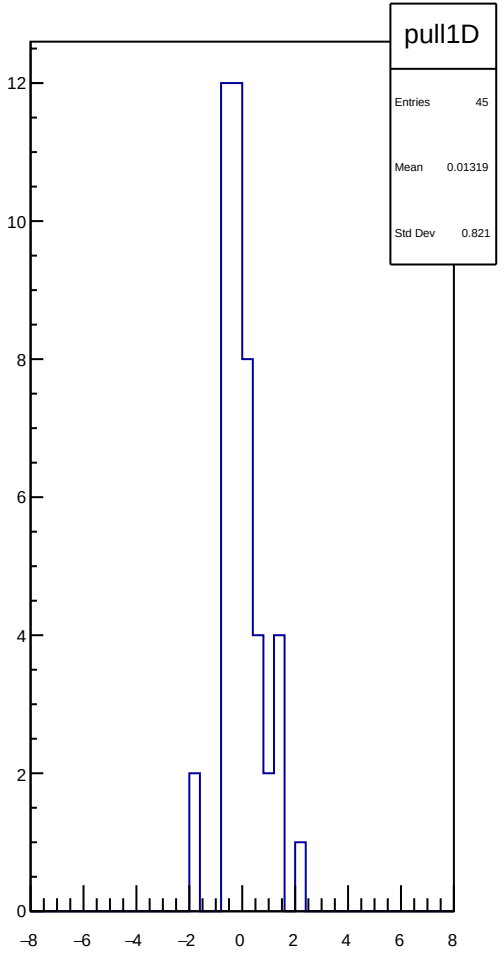

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 41.97 / 44
p0 −3.867 ± 0.2297
pull
Entries 45
Mean −545.1
Std Dev 571.2

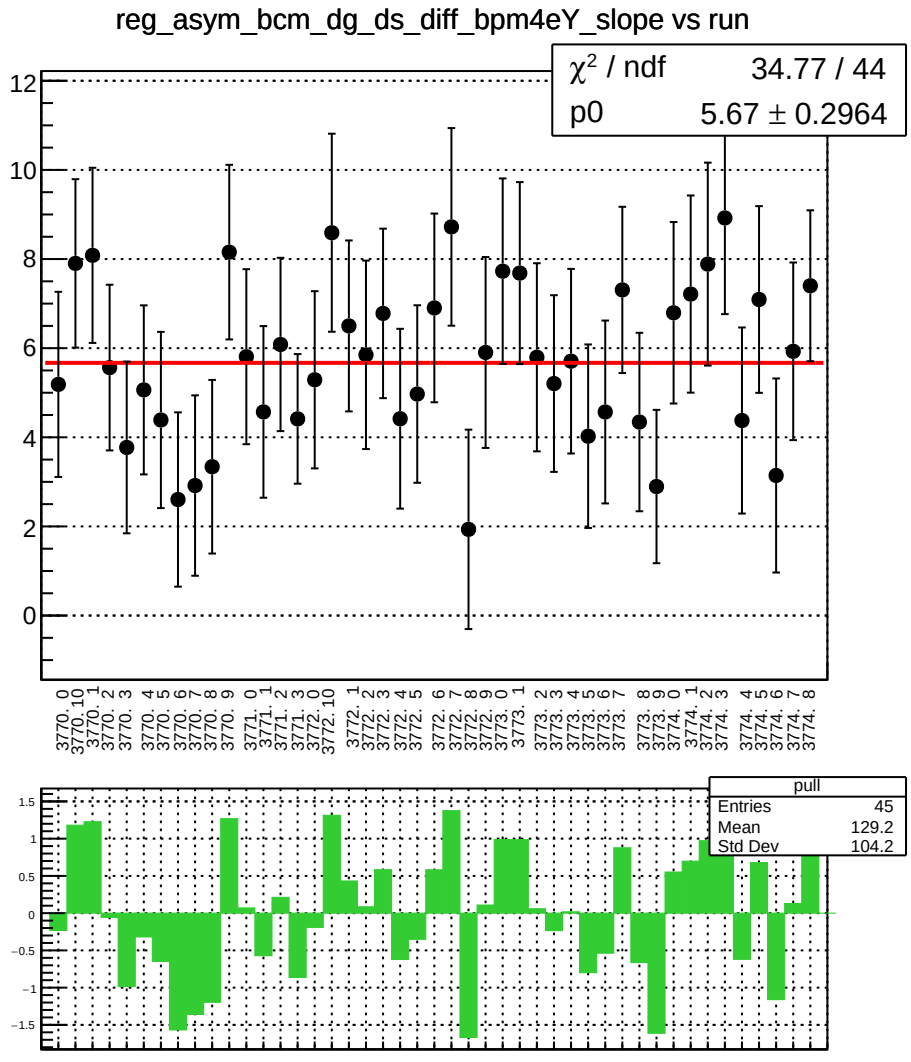

pull1D
Entries 45
Mean 0.0009215
Std Dev 0.9658

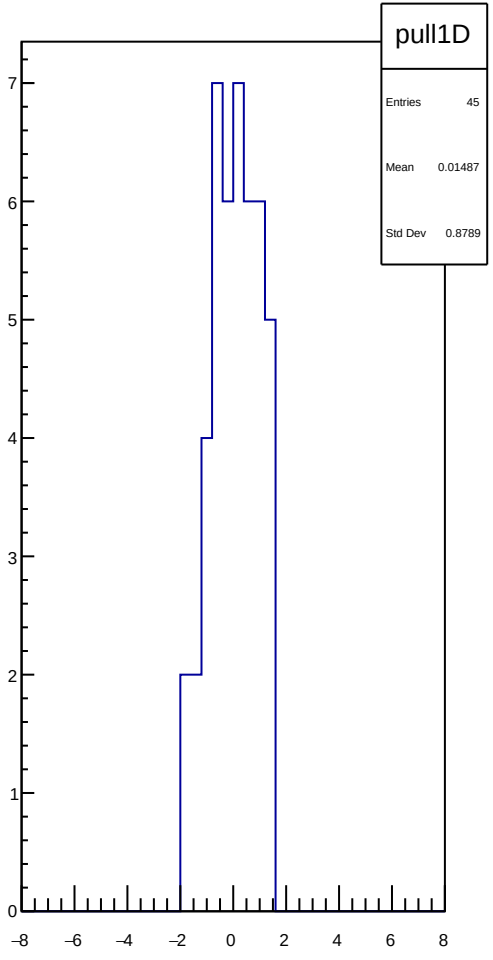

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 35.71 / 44
p0 −3.318 ± 0.1894
pull
Entries 45
Mean 24.61
Std Dev 12.54

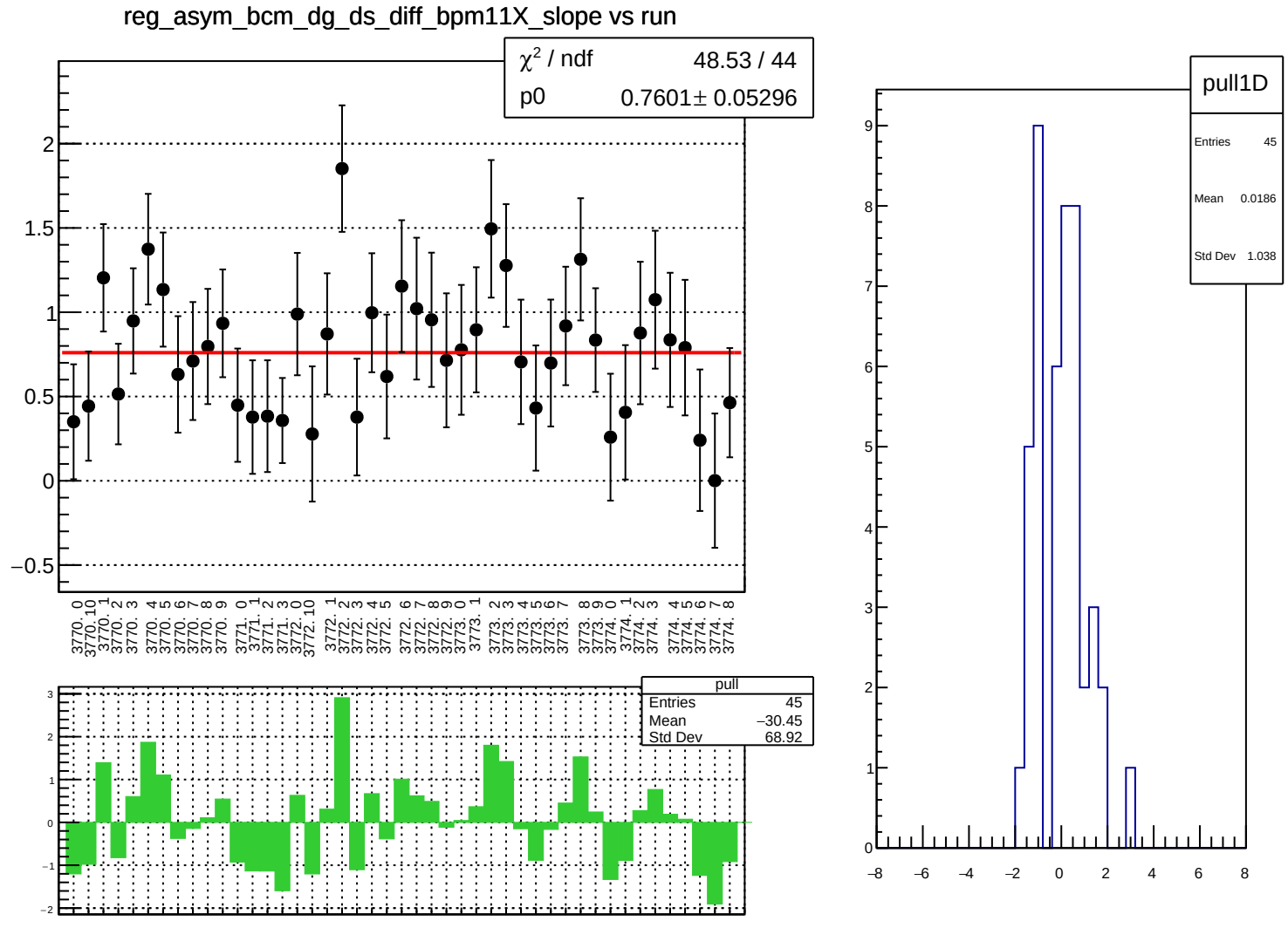

pull1D
Entries 45
Mean −0.01542
Std Dev 0.8907

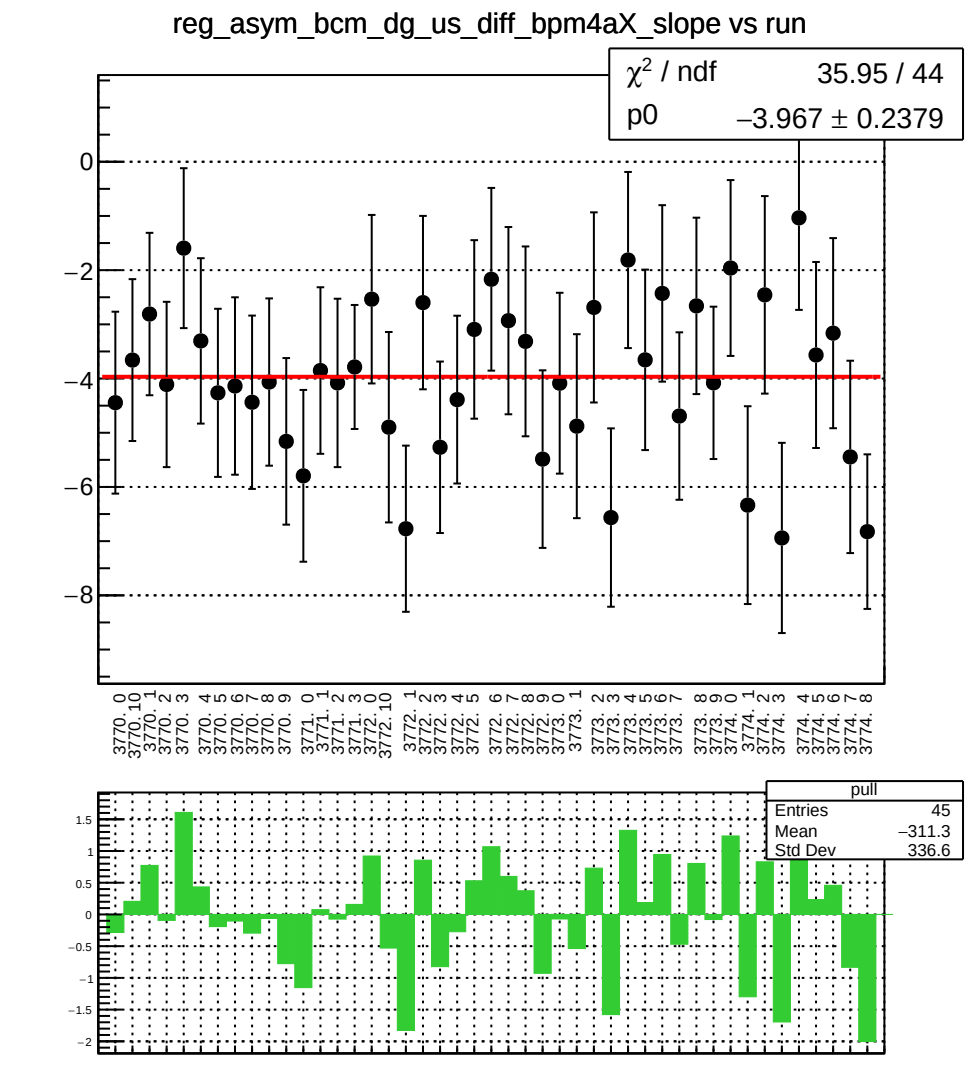

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 30.34 / 44
p0 1.802 ± 0.03869
pull
Entries 45
Mean 256.9
Std Dev 230.6

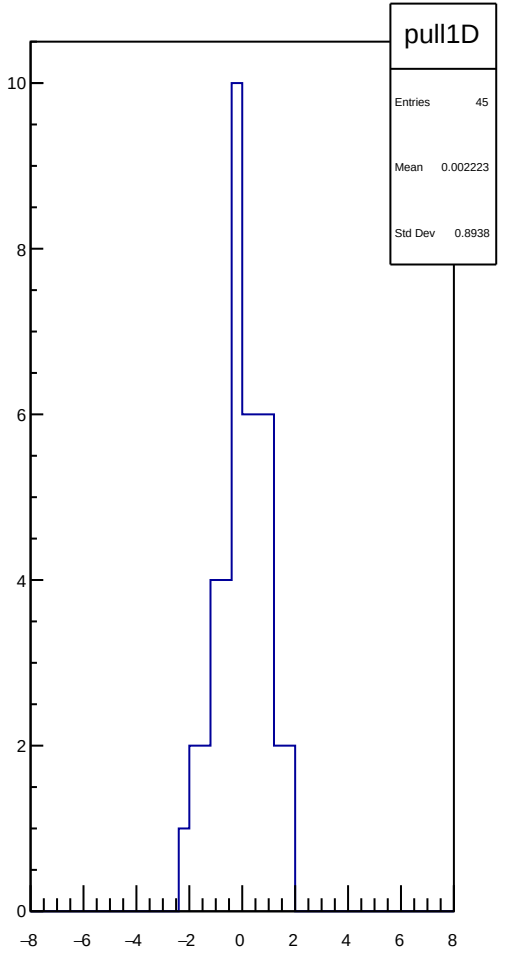

pull1D
Entries 45
Mean 0.01319
Std Dev 0.821

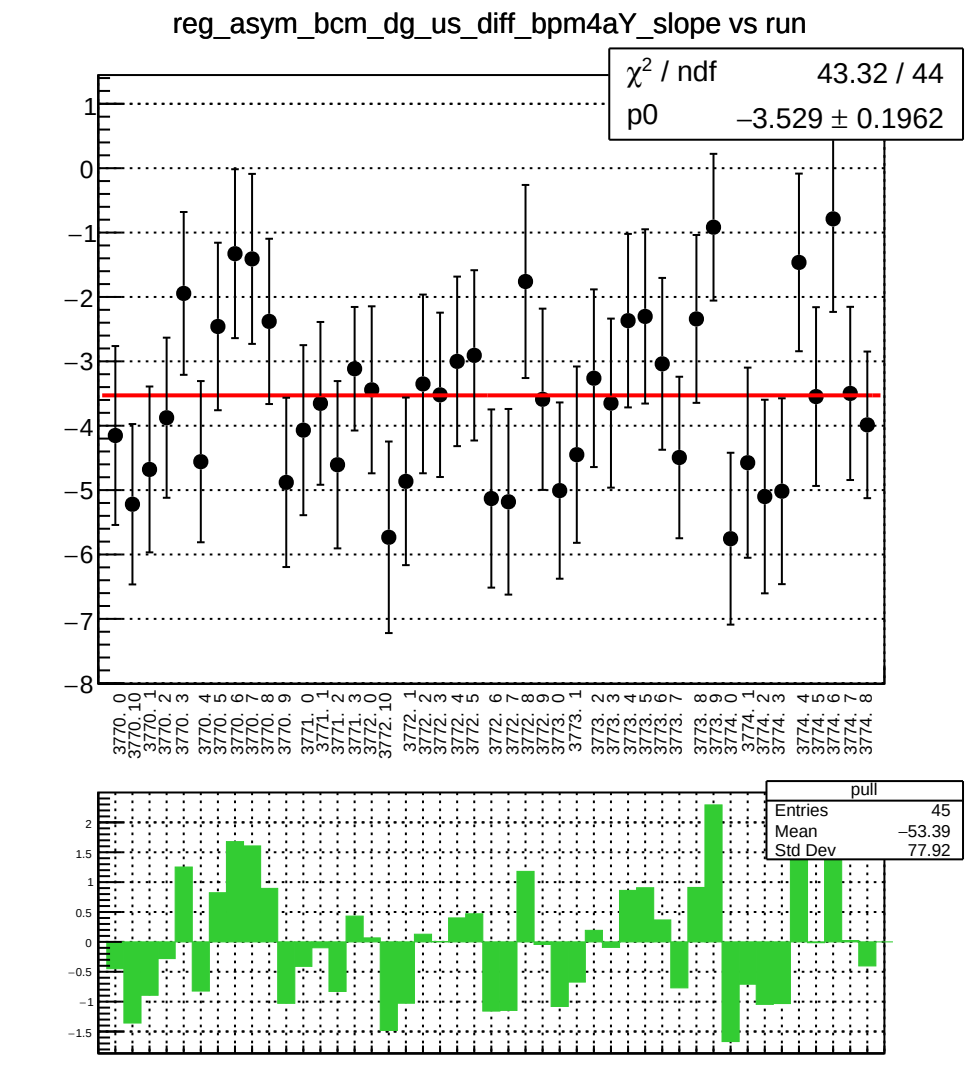

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 34.77 / 44
p0 5.67 ± 0.2964
pull
Entries 45
Mean 129.2
Std Dev 104.2

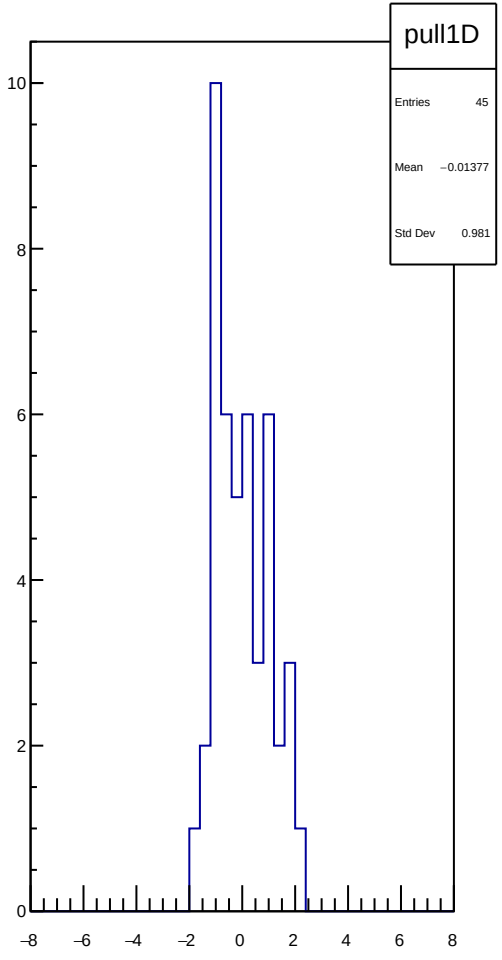

pull1D
Entries 45
Mean 0.01487
Std Dev 0.8789

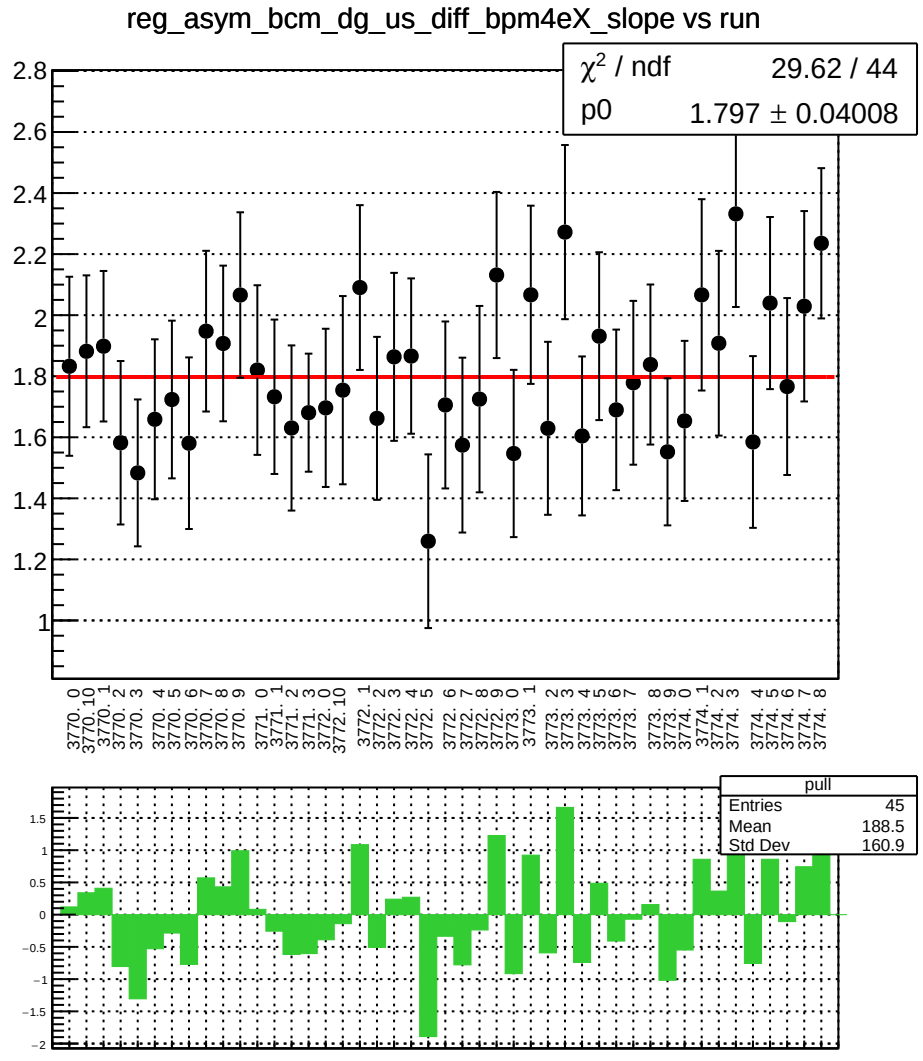

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 48.53 / 44
p0 0.7601± 0.05296
pull
Entries 45
Mean −30.45
Std Dev 68.92
pull1D
Entries 45
Mean 0.0186
Std Dev 1.038

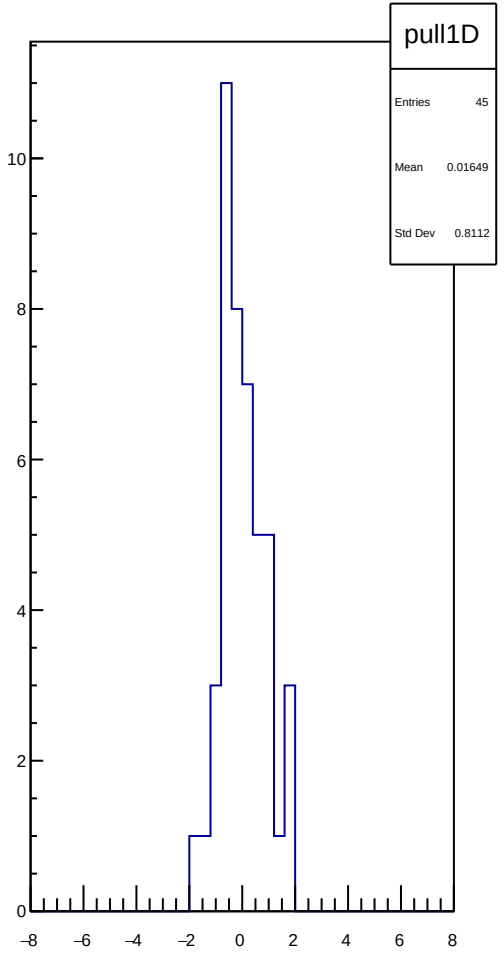

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 35.95 / 44
p0 −3.967 ± 0.2379
pull
Entries 45
Mean −311.3
Std Dev 336.6

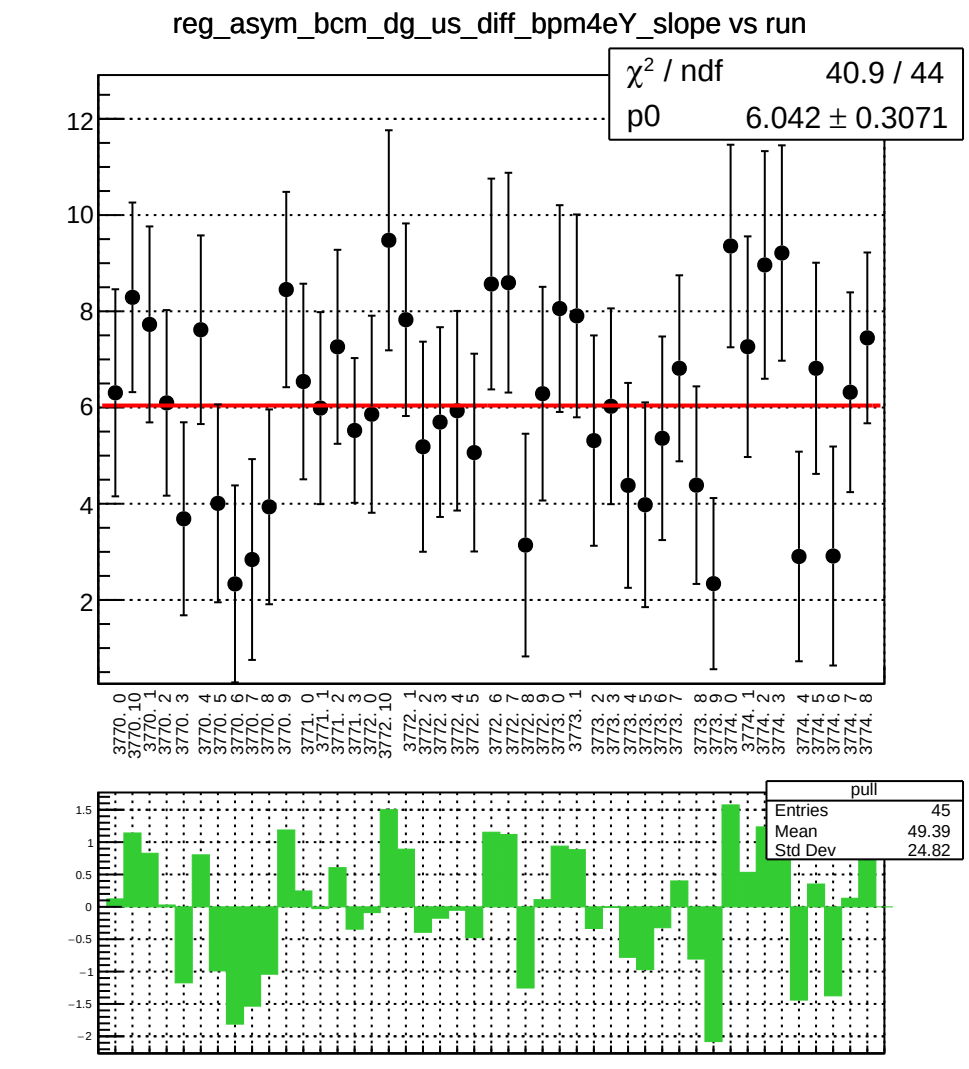

pull1D
Entries 45
Mean 0.002223
Std Dev 0.8938

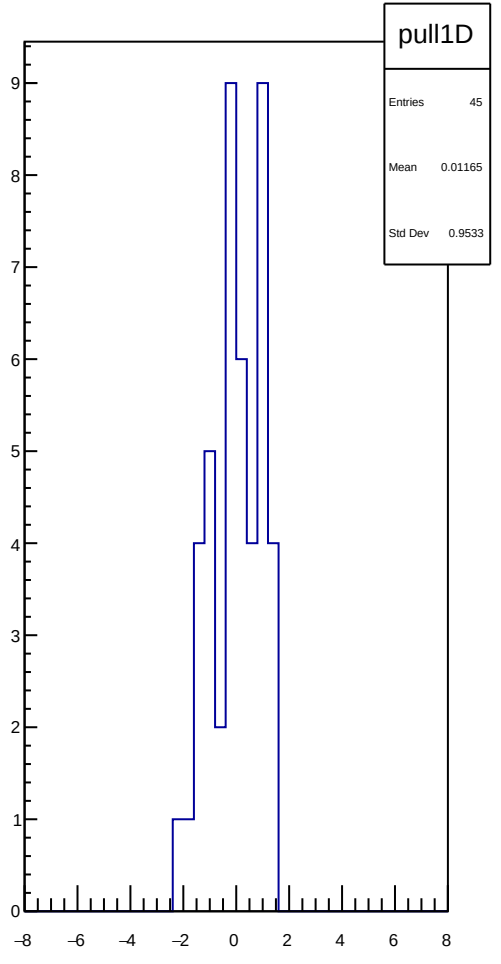

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 43.32 / 44
p0 −3.529 ± 0.1962
pull
Entries 45
Mean −53.39
Std Dev 77.92

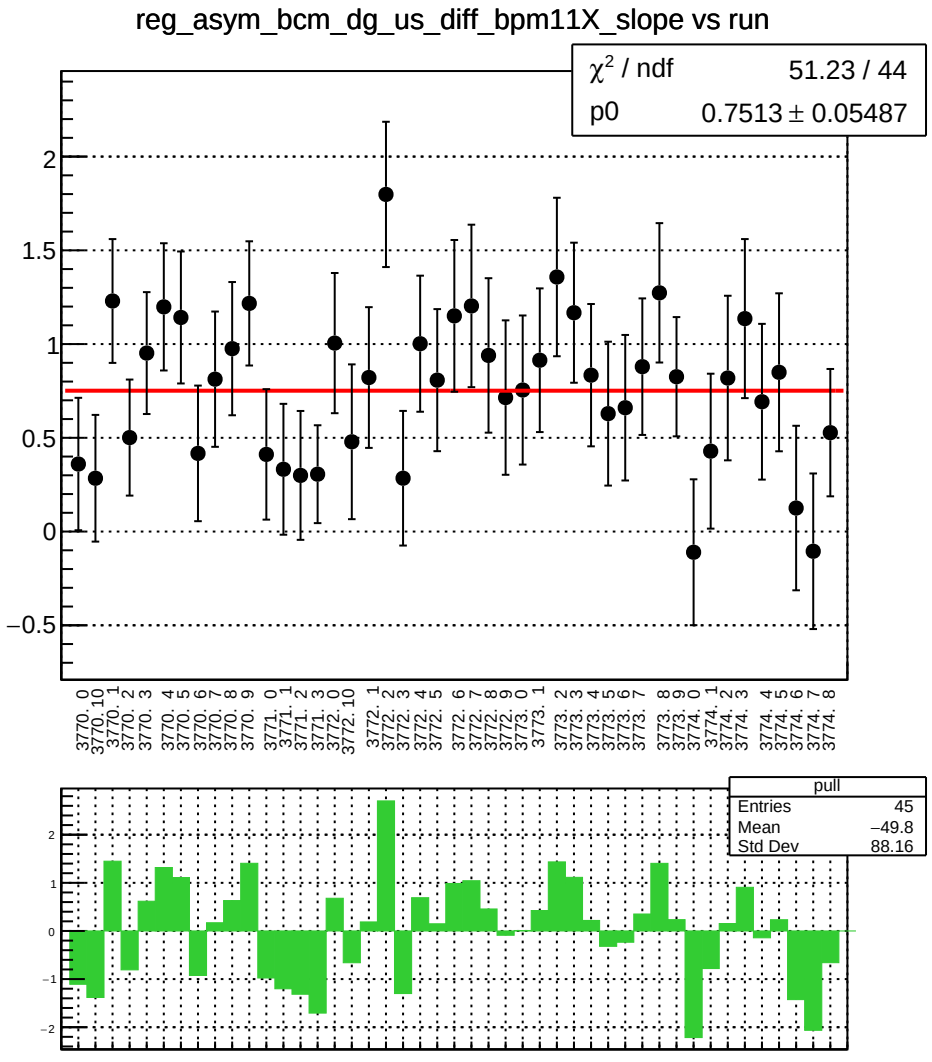

pull1D
Entries 45
Mean −0.01377
Std Dev 0.981

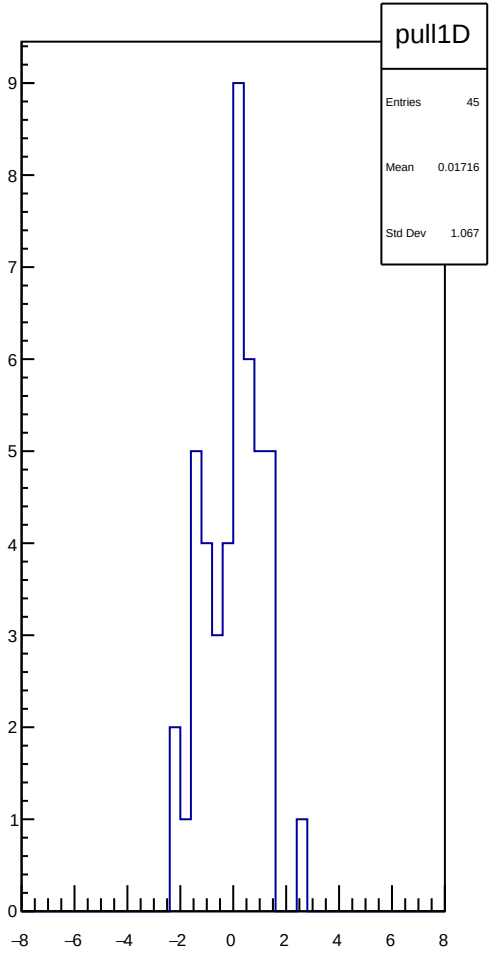

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 29.62 / 44
p0 1.797 ± 0.04008
pull
Entries 45
Mean 188.5
Std Dev 160.9

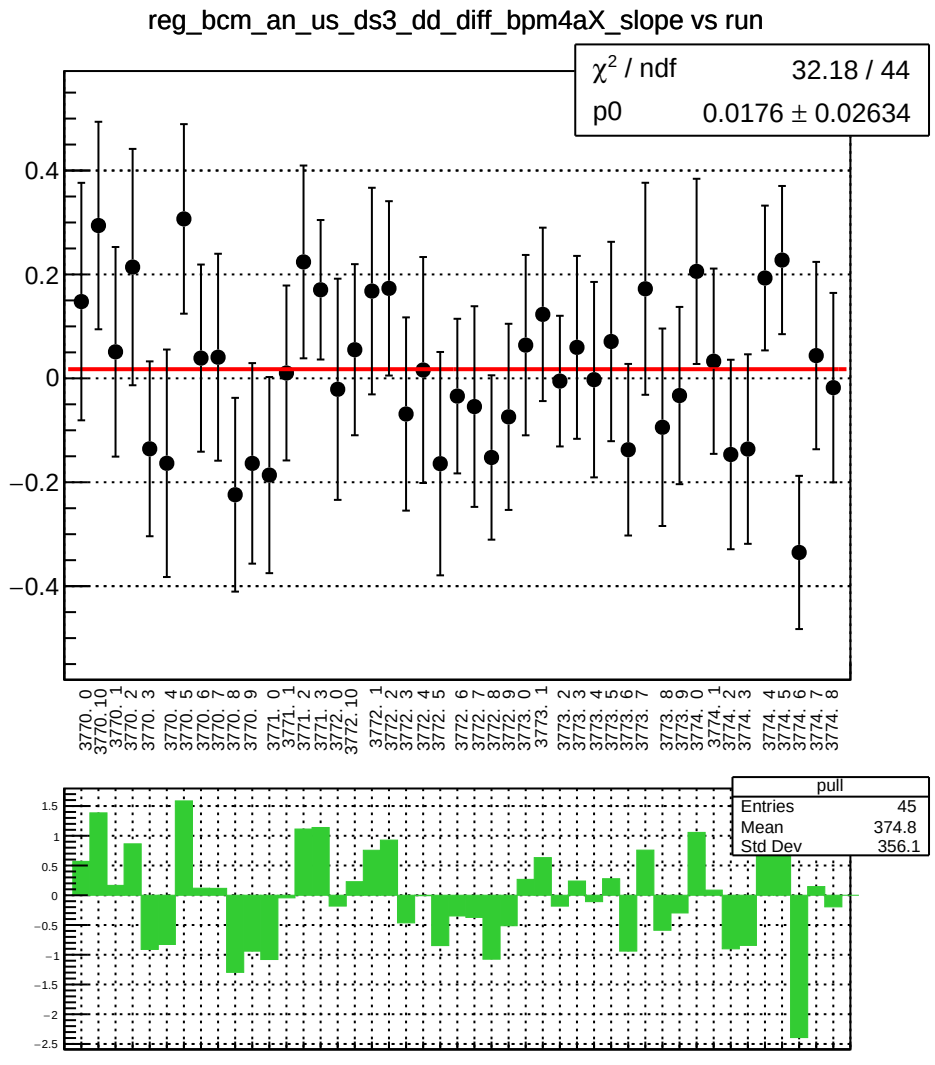

pull1D
Entries 45
Mean 0.01649
Std Dev 0.8112

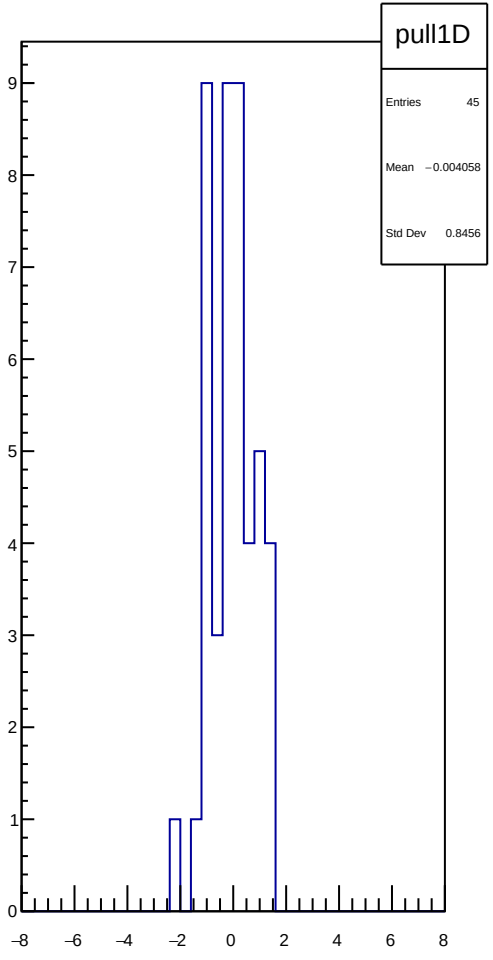

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 40.9 / 44
p0 6.042 ± 0.3071
pull
Entries 45
Mean 49.39
Std Dev 24.82

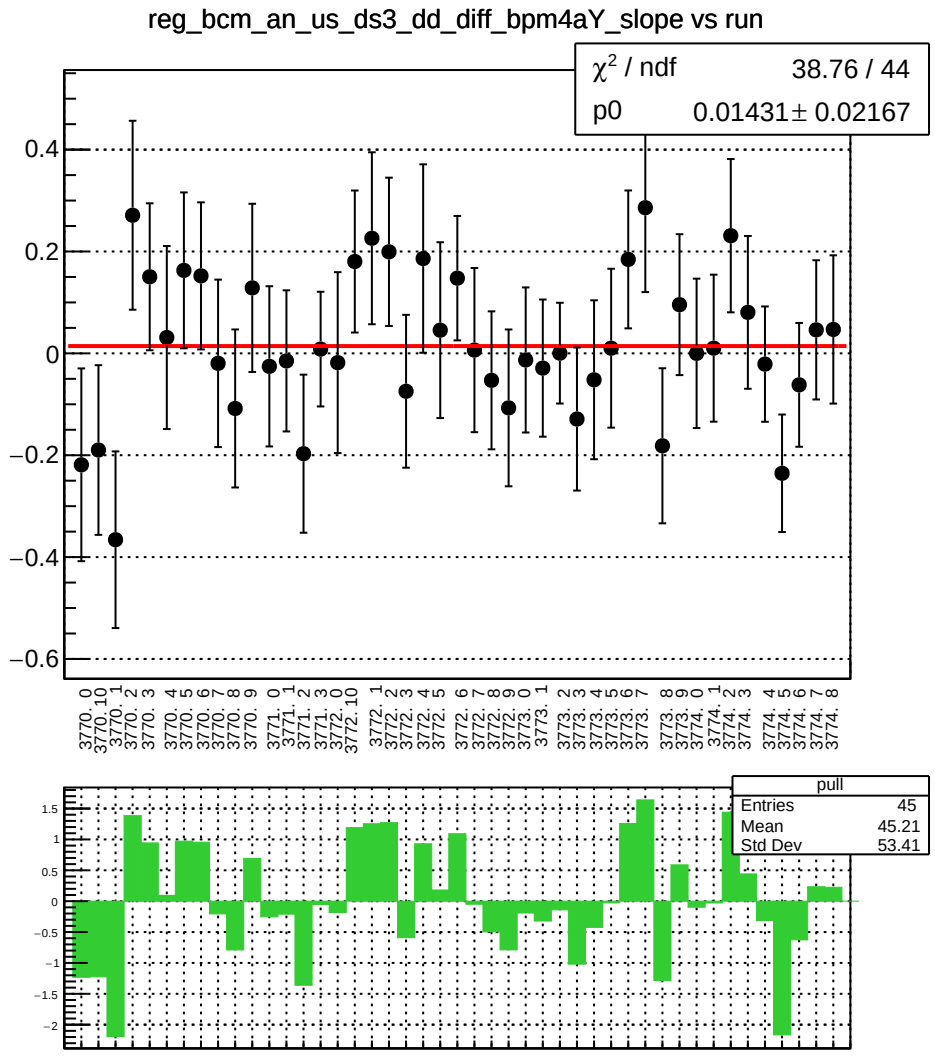

pull1D
Entries 45
Mean 0.01165
Std Dev 0.9533

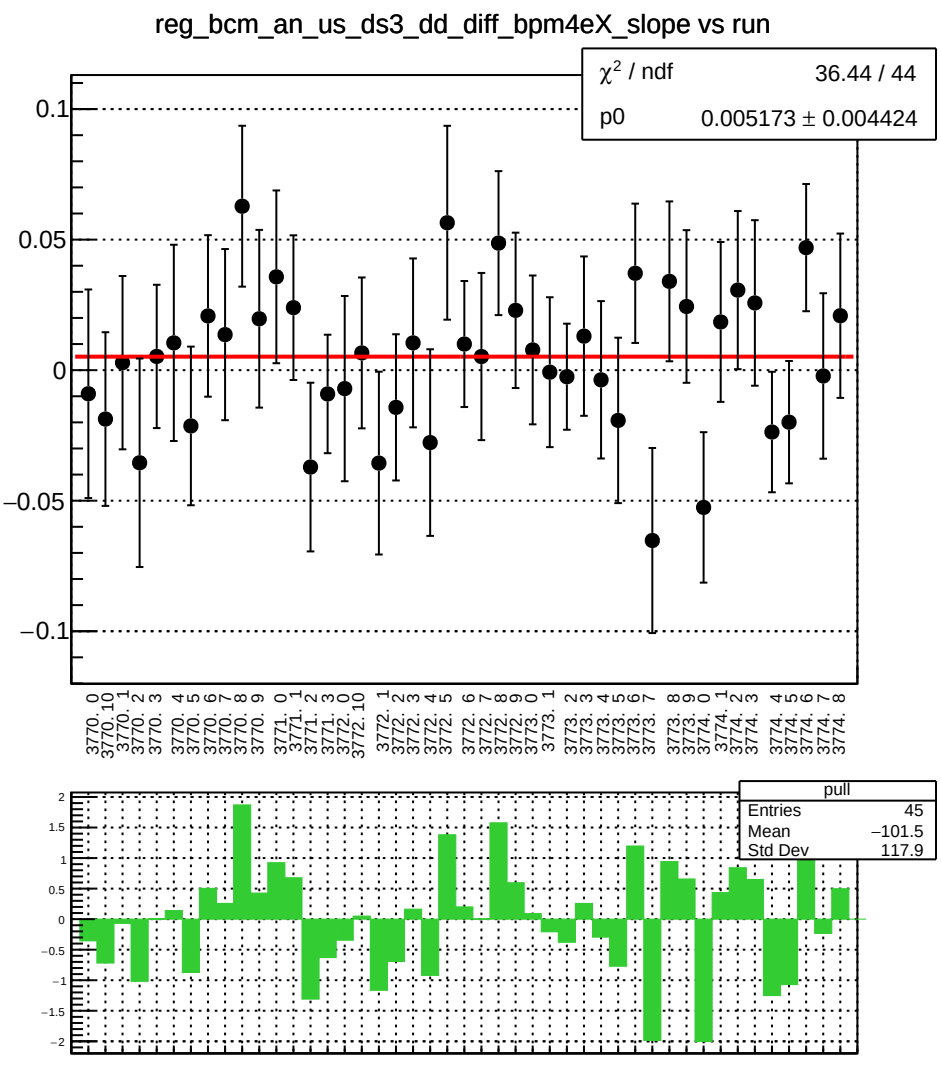

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 51.23 / 44
p0 0.7513 ± 0.05487
pull
Entries 45
Mean −49.8
Std Dev 88.16

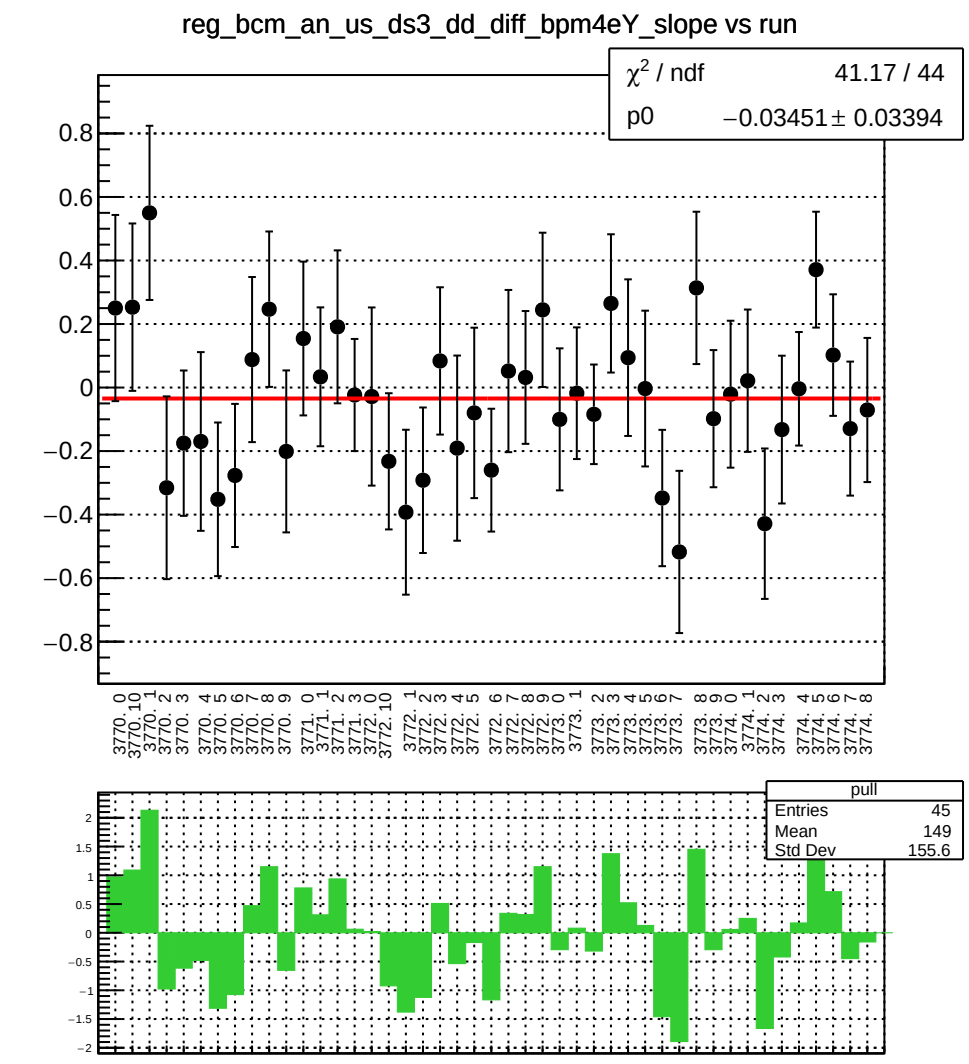

pull1D
Entries 45
Mean 0.01716
Std Dev 1.067

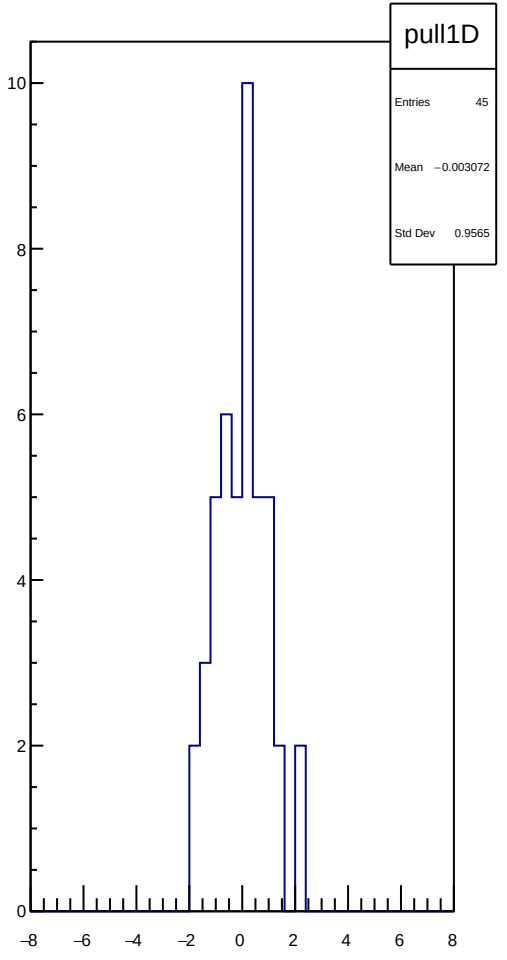

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.18 / 44
p0 0.0176 ± 0.02634
0.4
0.2
0
−0.2
−0.4
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 374.8
Std Dev 356.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

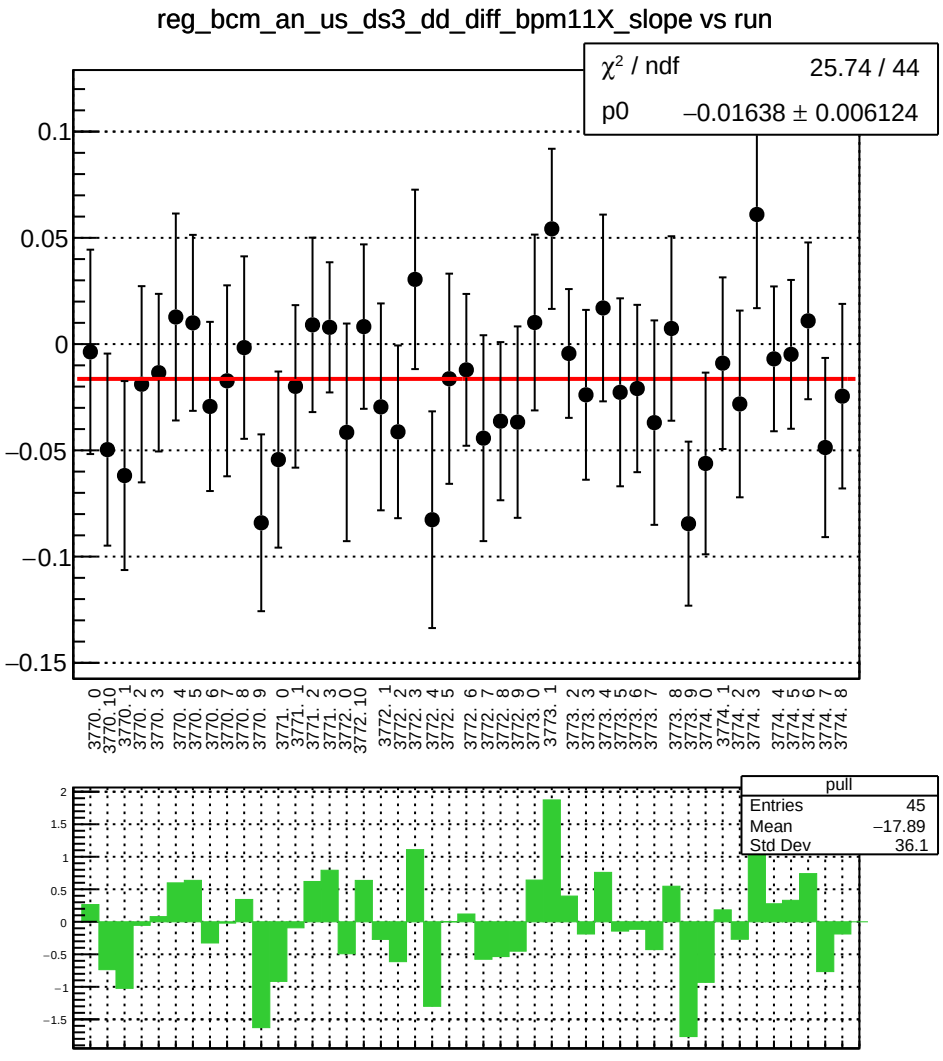

pull1D
Entries 45
Mean −0.004058
Std Dev 0.8456
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

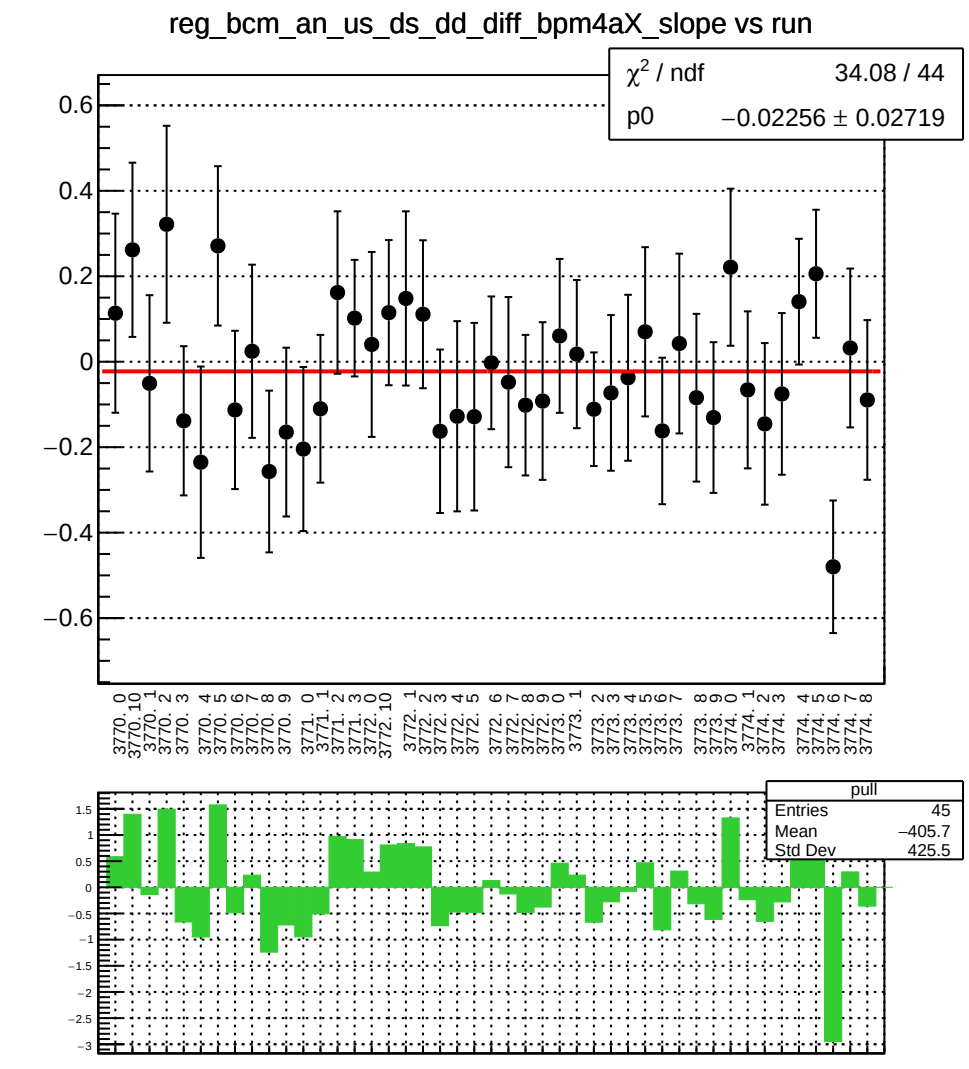

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.76 / 44
p0 0.01431± 0.02167
0.4
0.2
0
−0.2
−0.4
−0.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 45.21
Std Dev 53.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01132
Std Dev 0.928
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

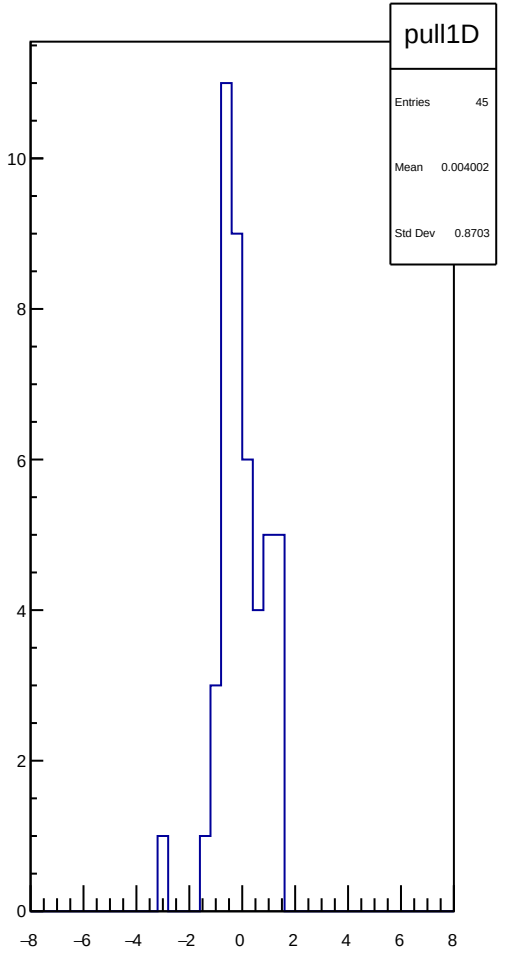

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.44 / 44
p0 0.005173 ± 0.004424
0.1
0.05
0
−0.05
−0.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −101.5
Std Dev 117.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean −0.005386
Std Dev 0.8999
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

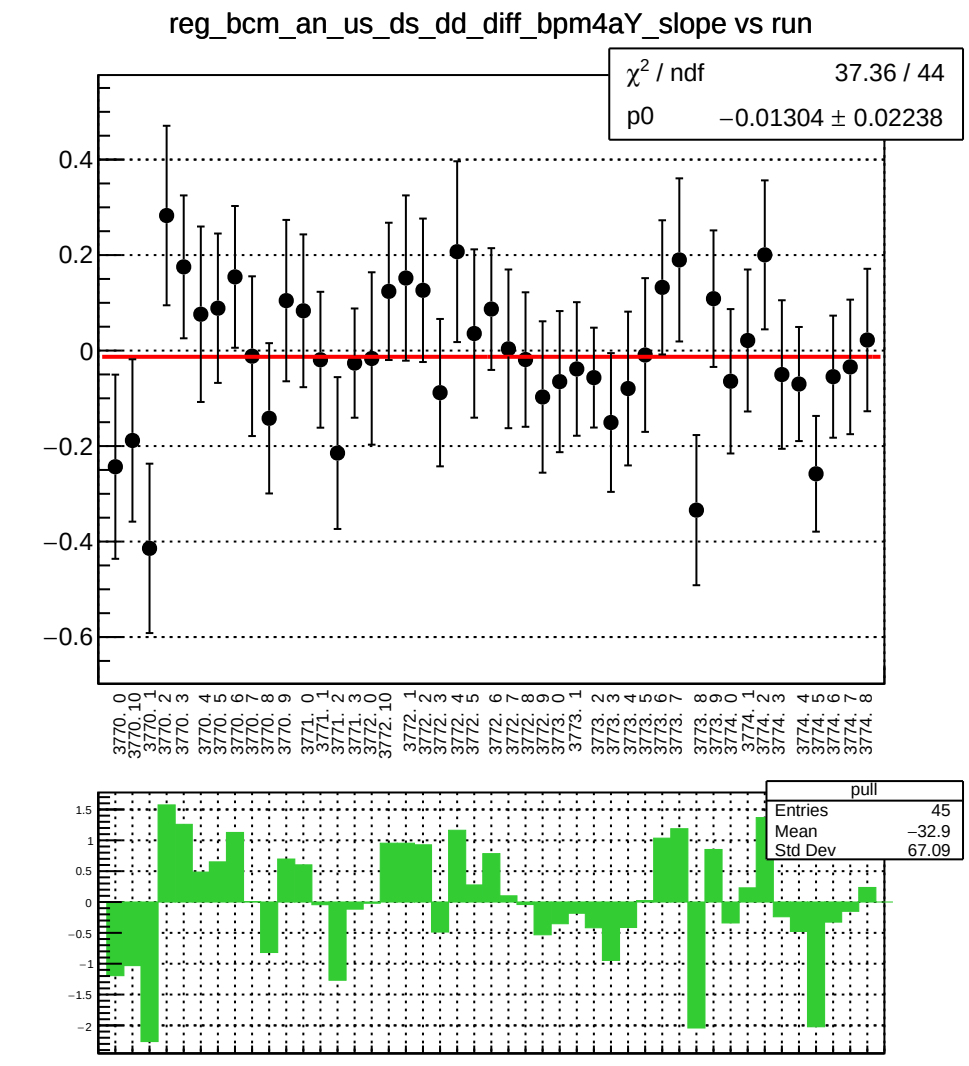

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.17 / 44
p0 −0.03451 ± 0.03394
pull
Entries 45
Mean 149
Std Dev 155.6

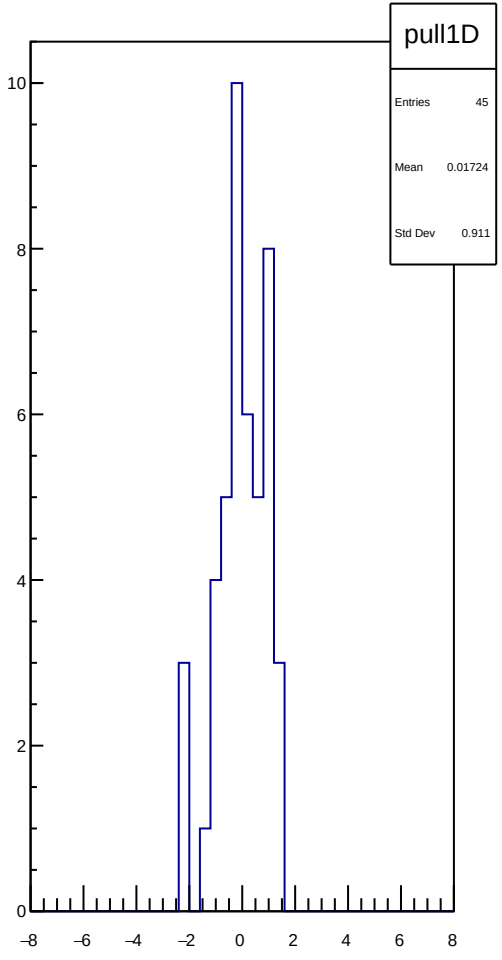

pull1D
Entries 45
Mean −0.003072
Std Dev 0.9565

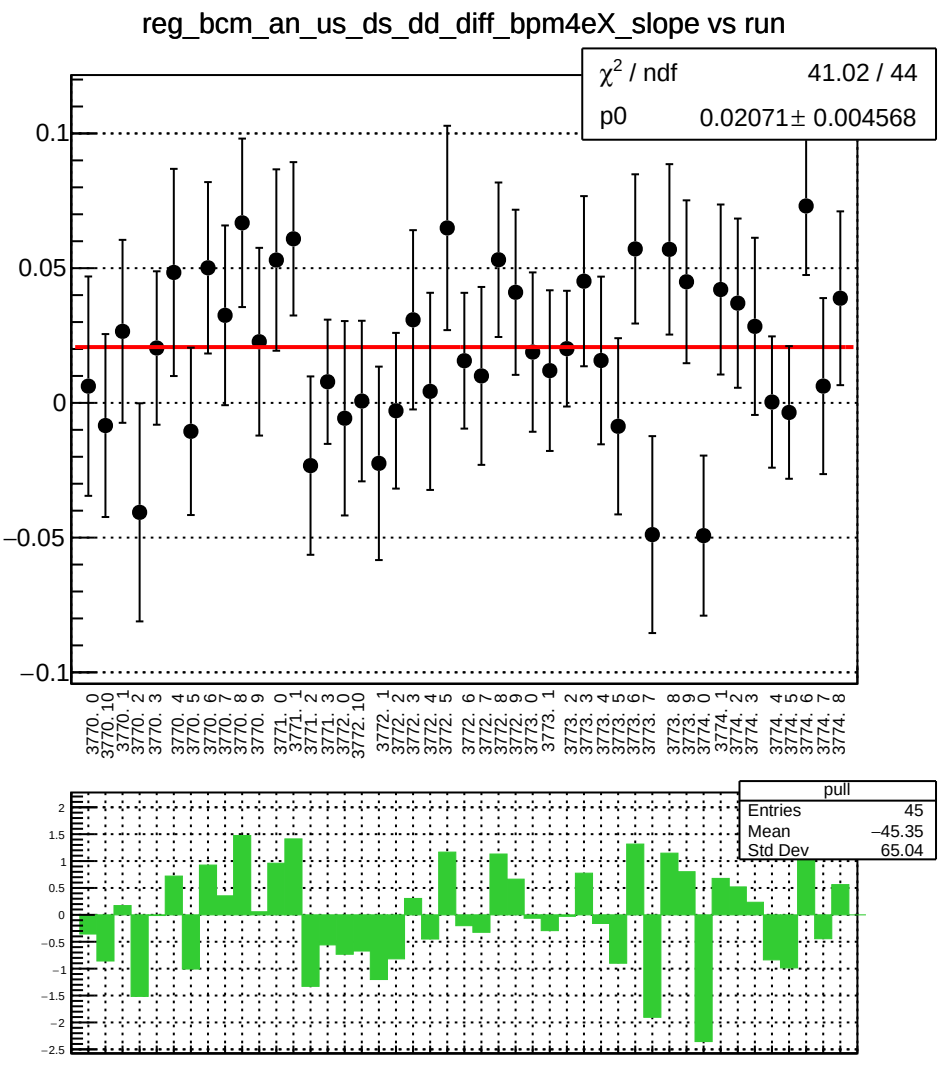

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 25.74 / 44
p0 −0.01638 ± 0.006124
0.1
0.05
0
−0.05
−0.1
−0.15
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −17.89
Std Dev 36.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 45
Mean −0.02479
Std Dev 0.7559
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

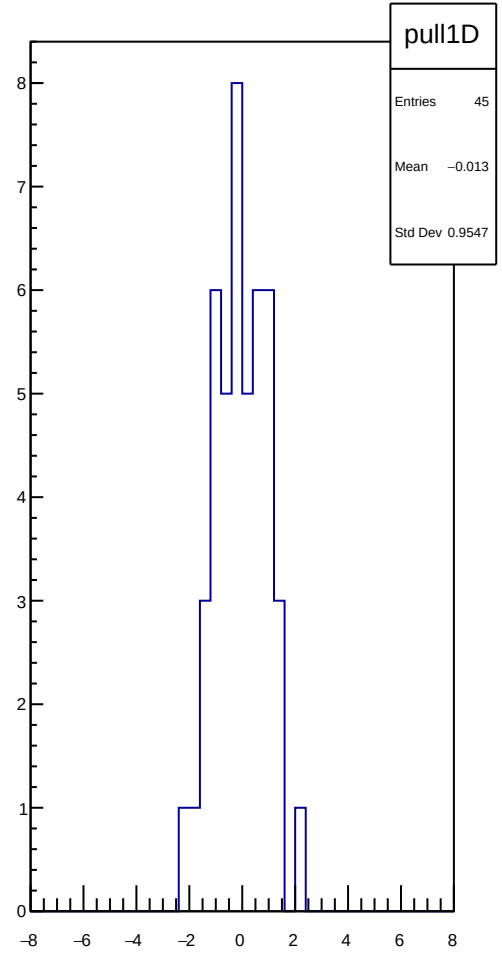

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.08 / 44
p0 −0.02256 ± 0.02719
pull
Entries 45
Mean −405.7
Std Dev 425.5

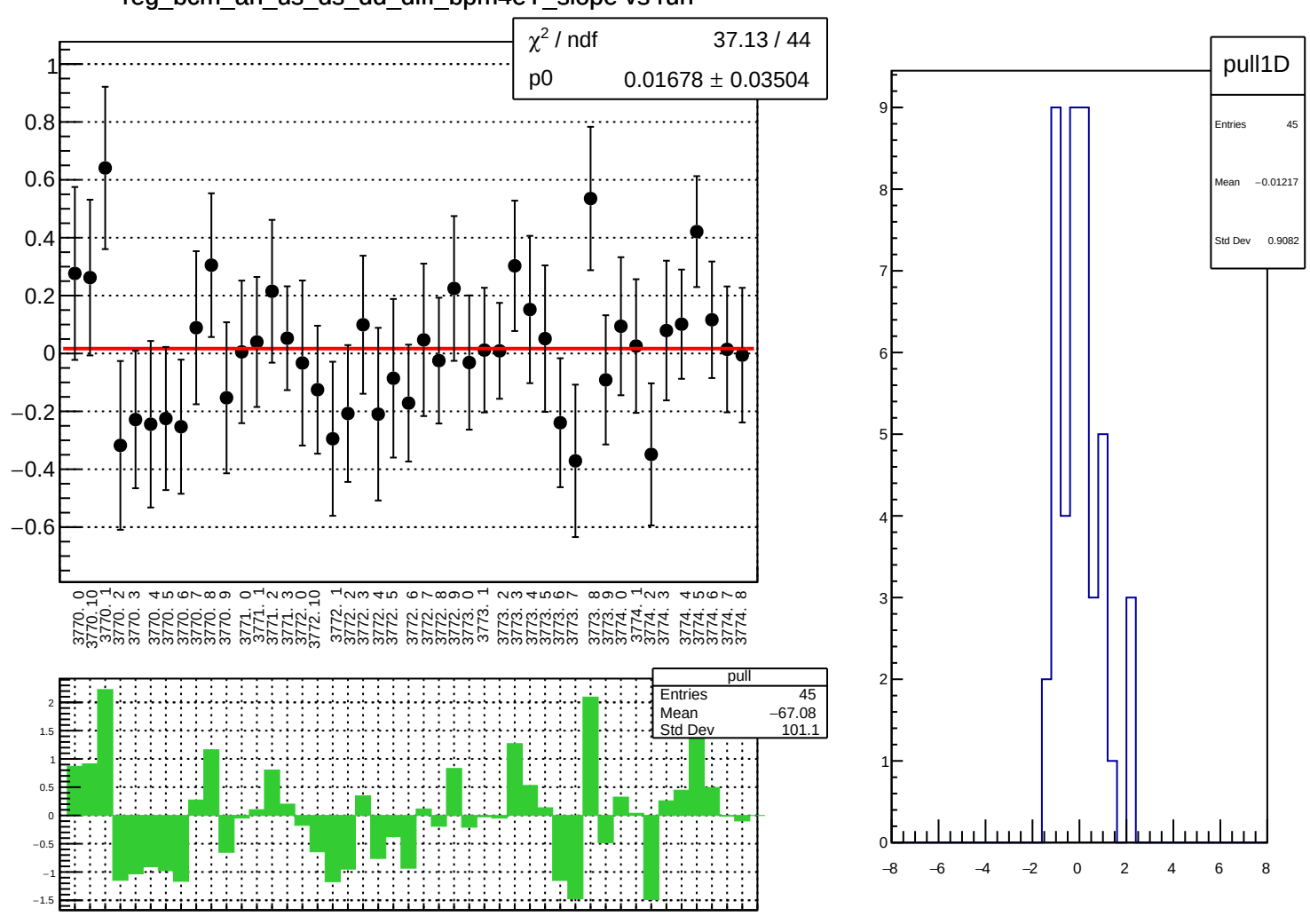

pull1D
Entries 45
Mean 0.004002
Std Dev 0.8703

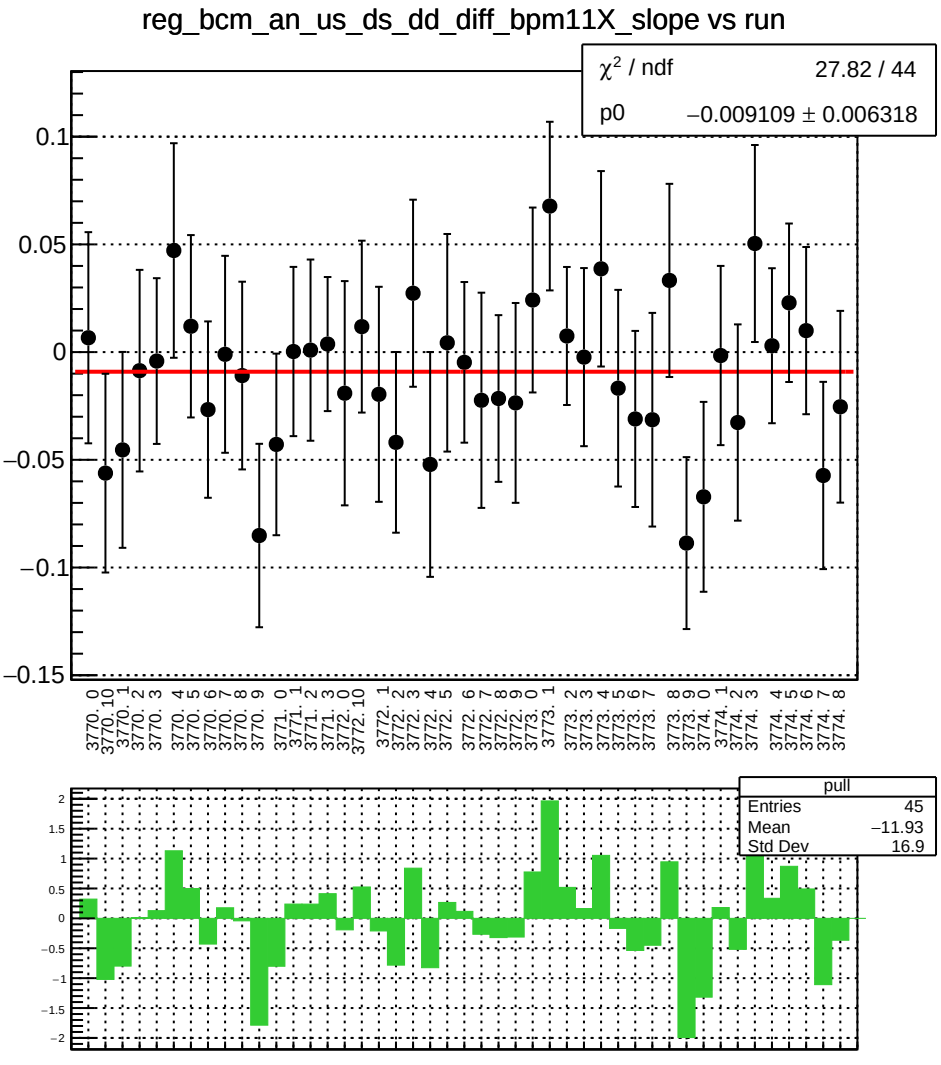

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.36 / 44
p0 −0.01304 ± 0.02238
0.4
0.2
0
−0.2
−0.4
−0.6
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −32.9
Std Dev 67.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2

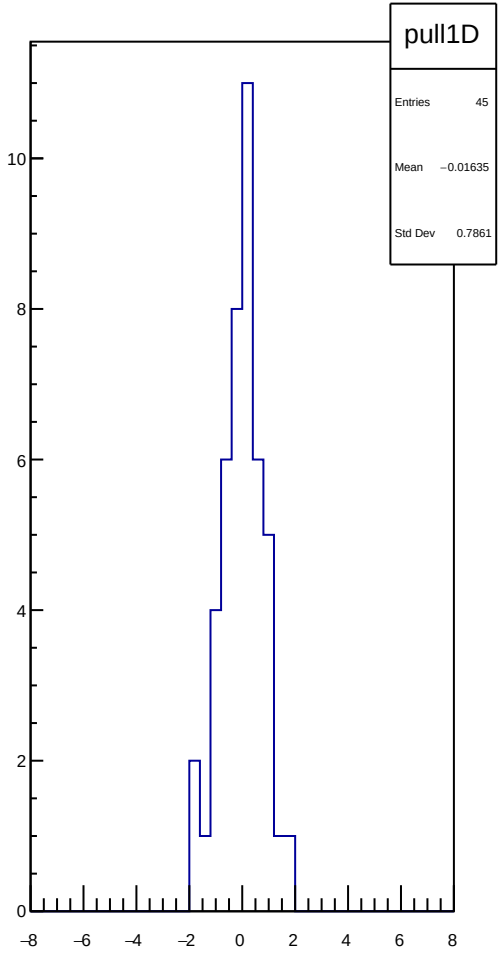

pull1D
Entries 45
Mean 0.01724
Std Dev 0.911
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

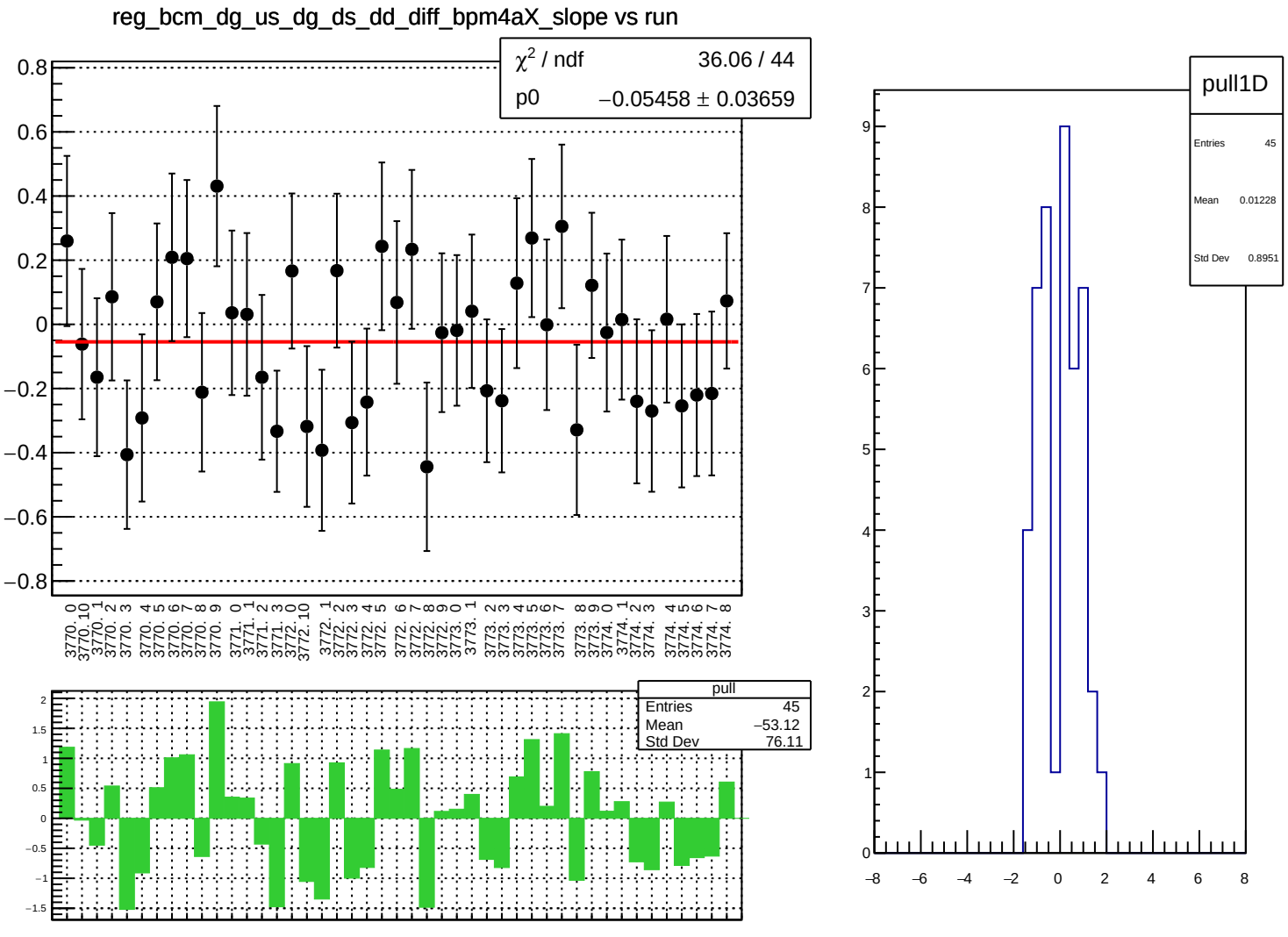

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.02 / 44
p0 0.02071± 0.004568
0.1
0.05
0
−0.05
−0.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −45.35
Std Dev 65.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

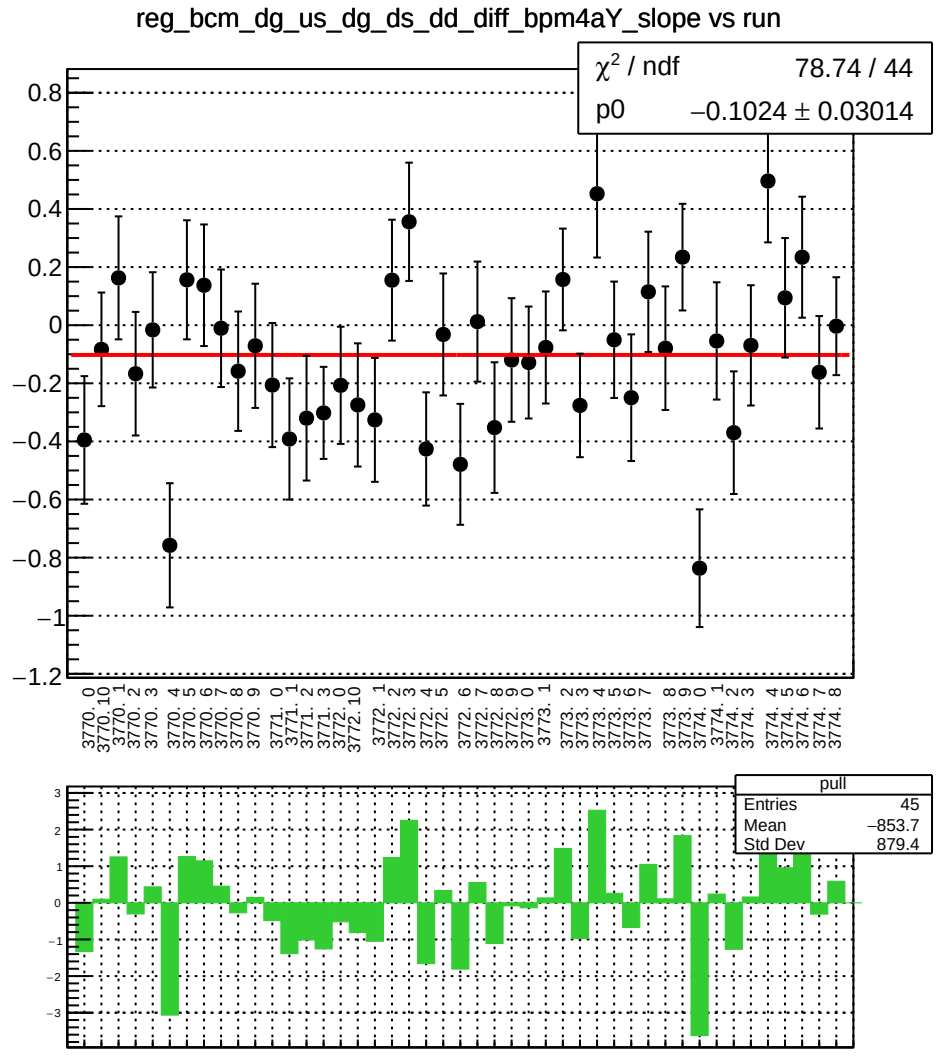

pull1D
Entries 45
Mean −0.013
Std Dev 0.9547
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

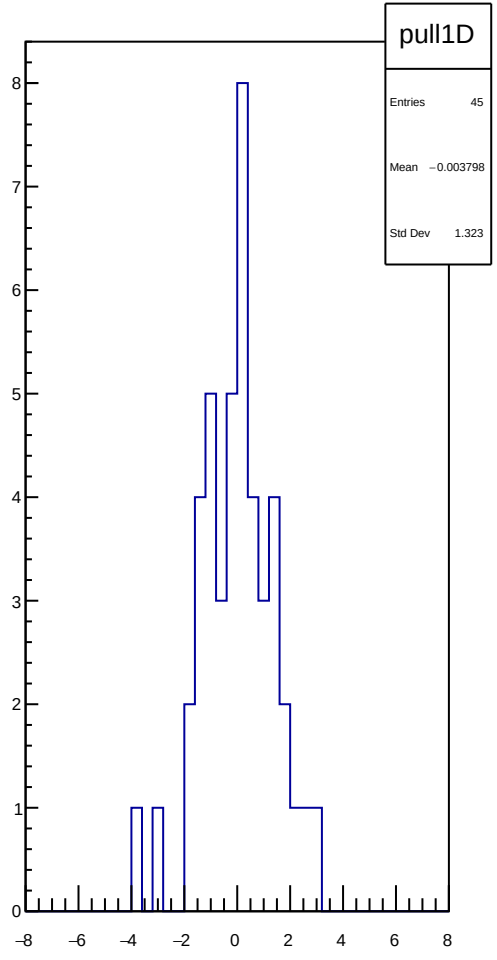

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.13 / 44
p0 0.01678 ± 0.03504
pull
Entries 45
Mean −67.08
Std Dev 101.1
pull1D
Entries 45
Mean −0.01217
Std Dev 0.9082

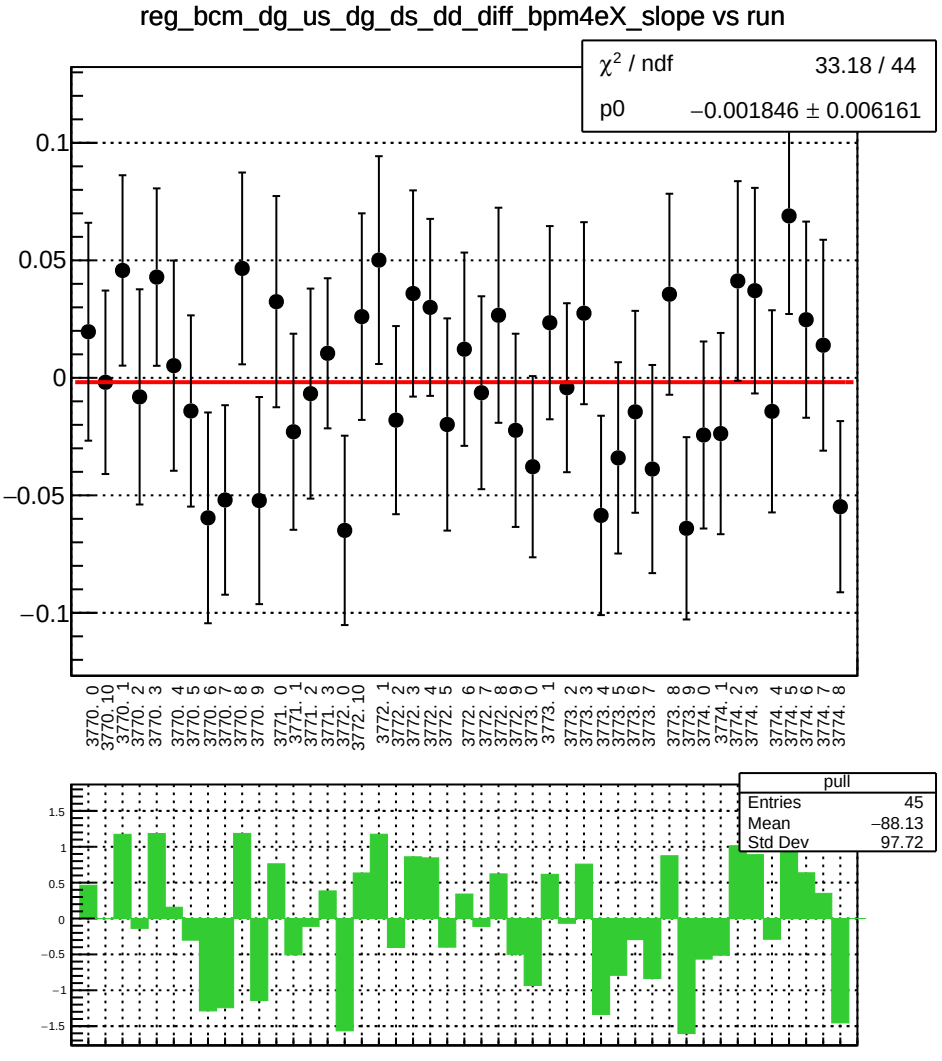

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 27.82 / 44
p0 −0.009109 ± 0.006318
pull
Entries 45
Mean −11.93
Std Dev 16.9

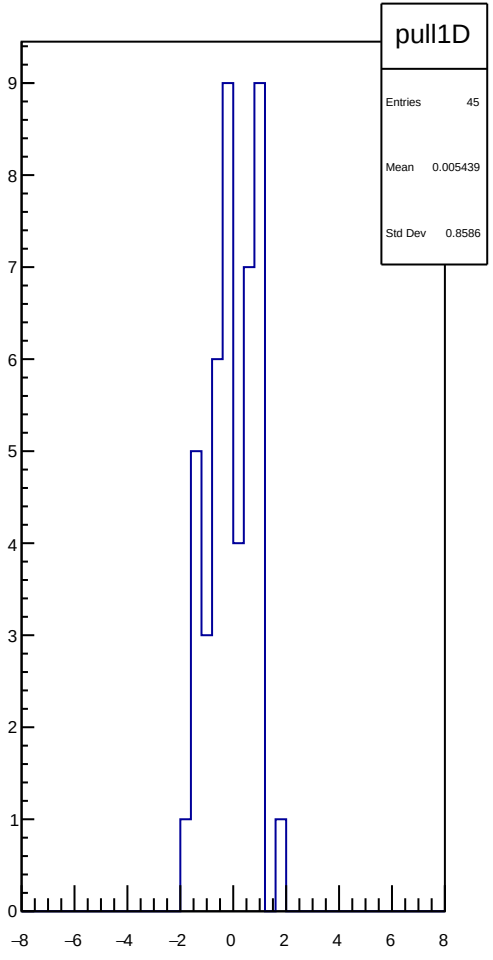

pull1D
Entries 45
Mean −0.01635
Std Dev 0.7861

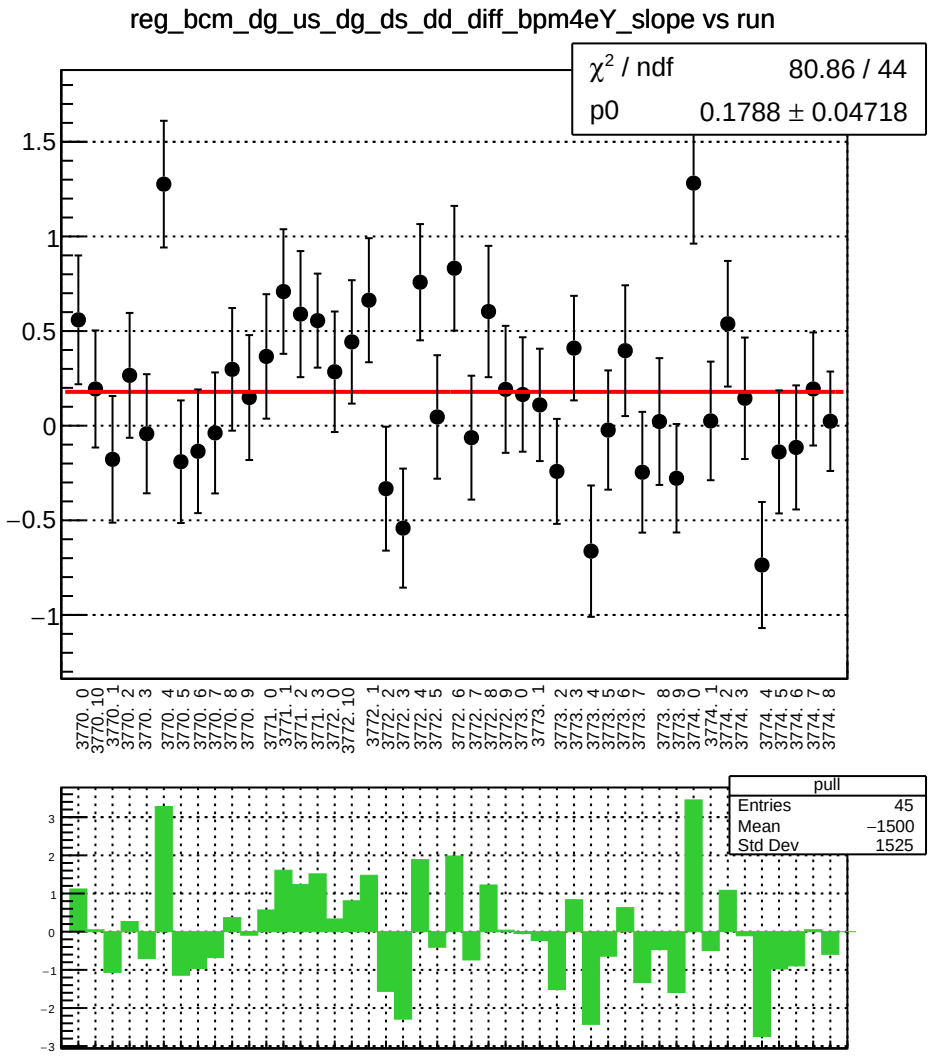

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.06 / 44
p0 −0.05458 ± 0.03659
pull
Entries 45
Mean −53.12
Std Dev 76.11
pull1D
Entries 45
Mean 0.01228
Std Dev 0.8951

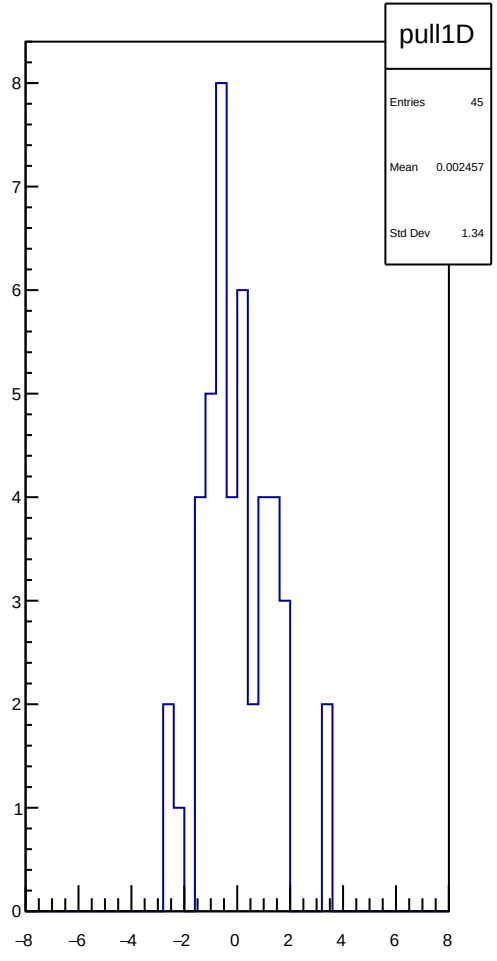

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.74 / 44
p0 −0.1024 ± 0.03014
pull
Entries 45
Mean −853.7
Std Dev 879.4

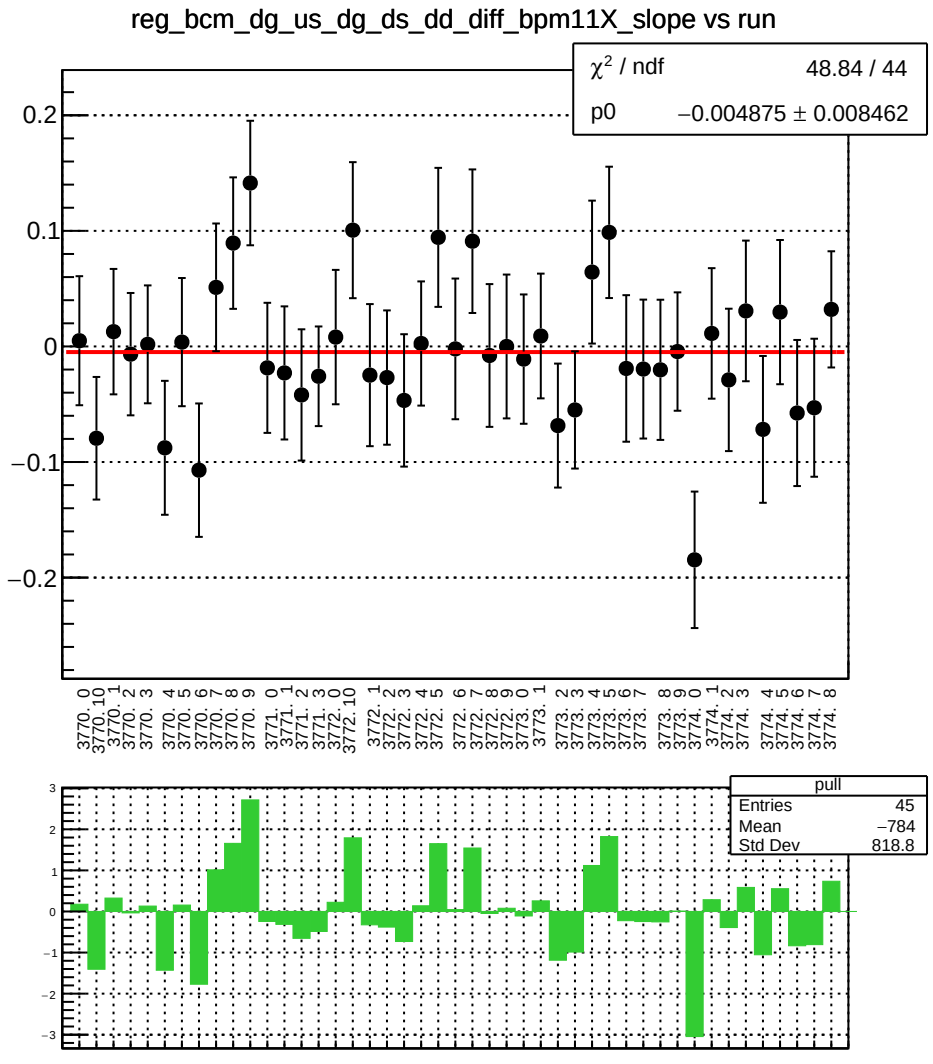

pull1D
Entries 45
Mean −0.003798
Std Dev 1.323

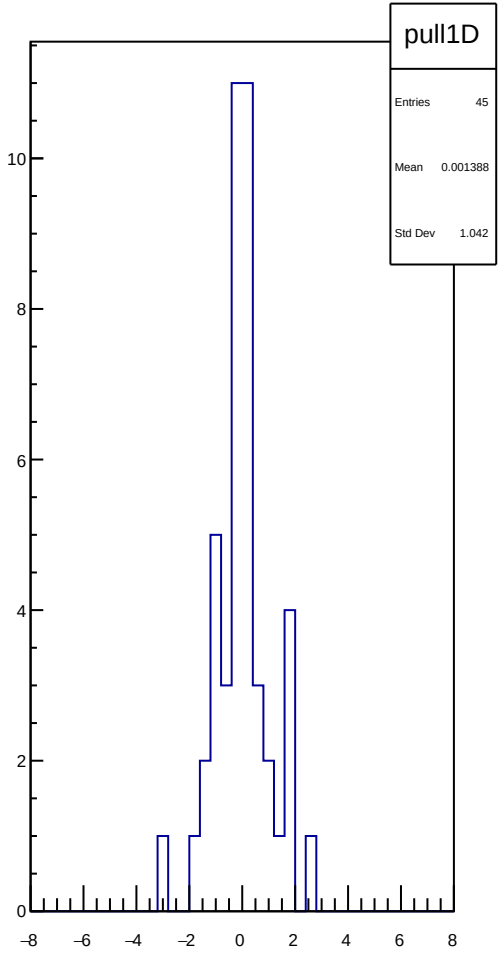

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.18 / 44
p0 −0.001846 ± 0.006161
0.1
0.05
0
−0.05
−0.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −88.13
Std Dev 97.72
1.5
1
0.5
0
−0.5
−1
−1.5

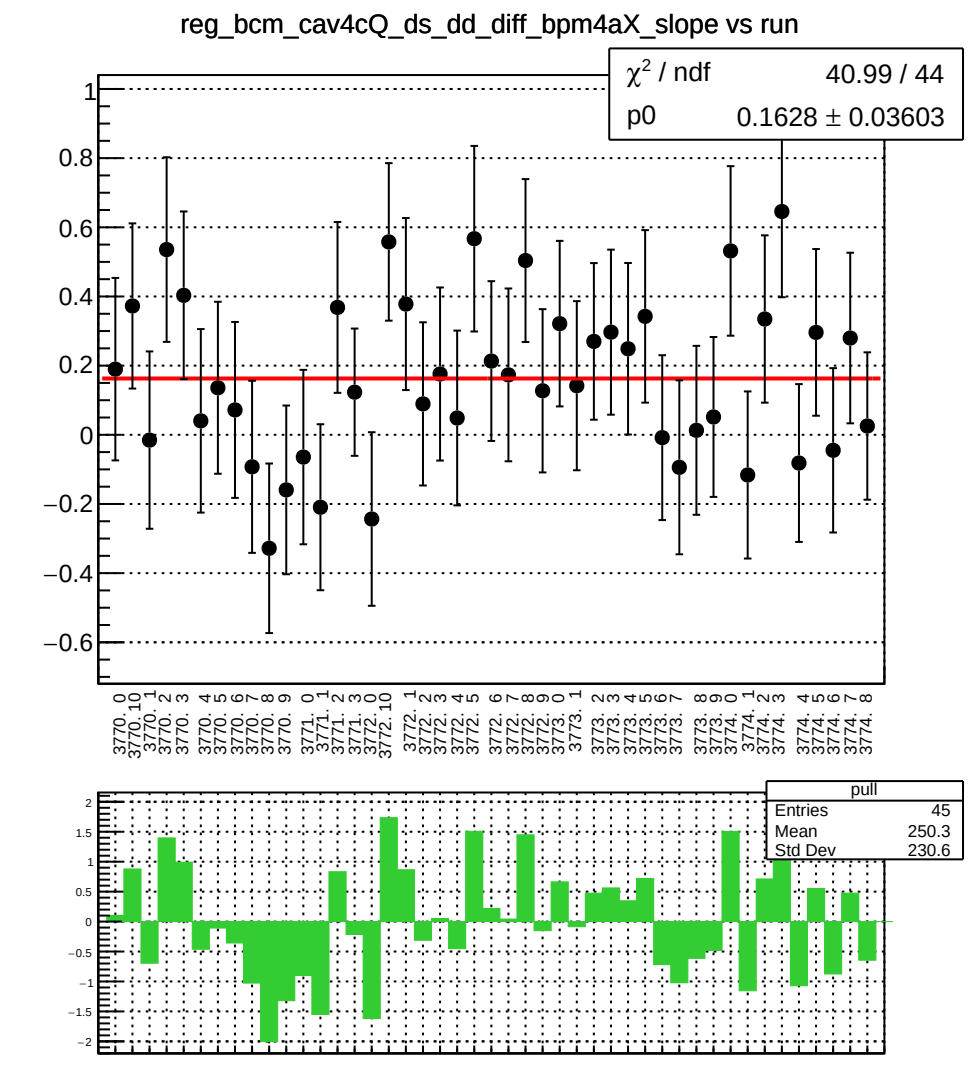

pull1D
Entries 45
Mean 0.005439
Std Dev 0.8586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

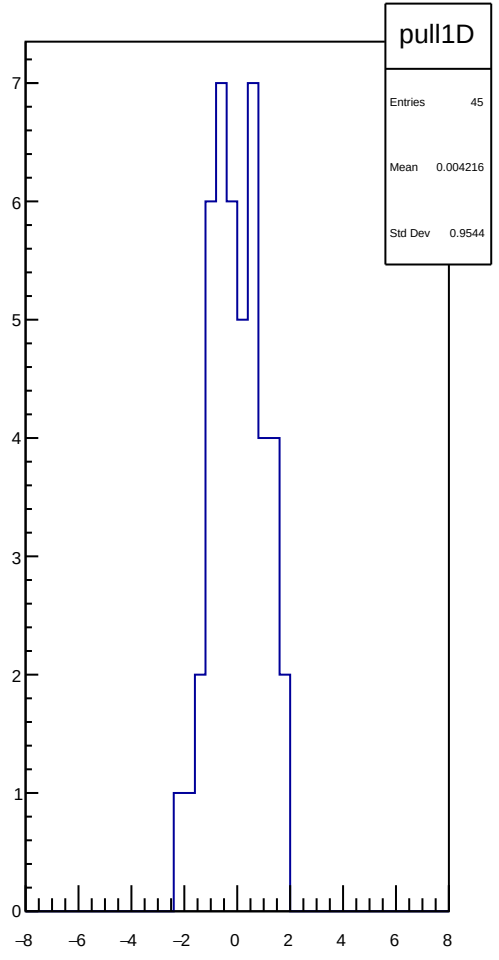

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.86 / 44
p0 0.1788 ± 0.04718
pull
Entries 45
Mean −1500
Std Dev 1525

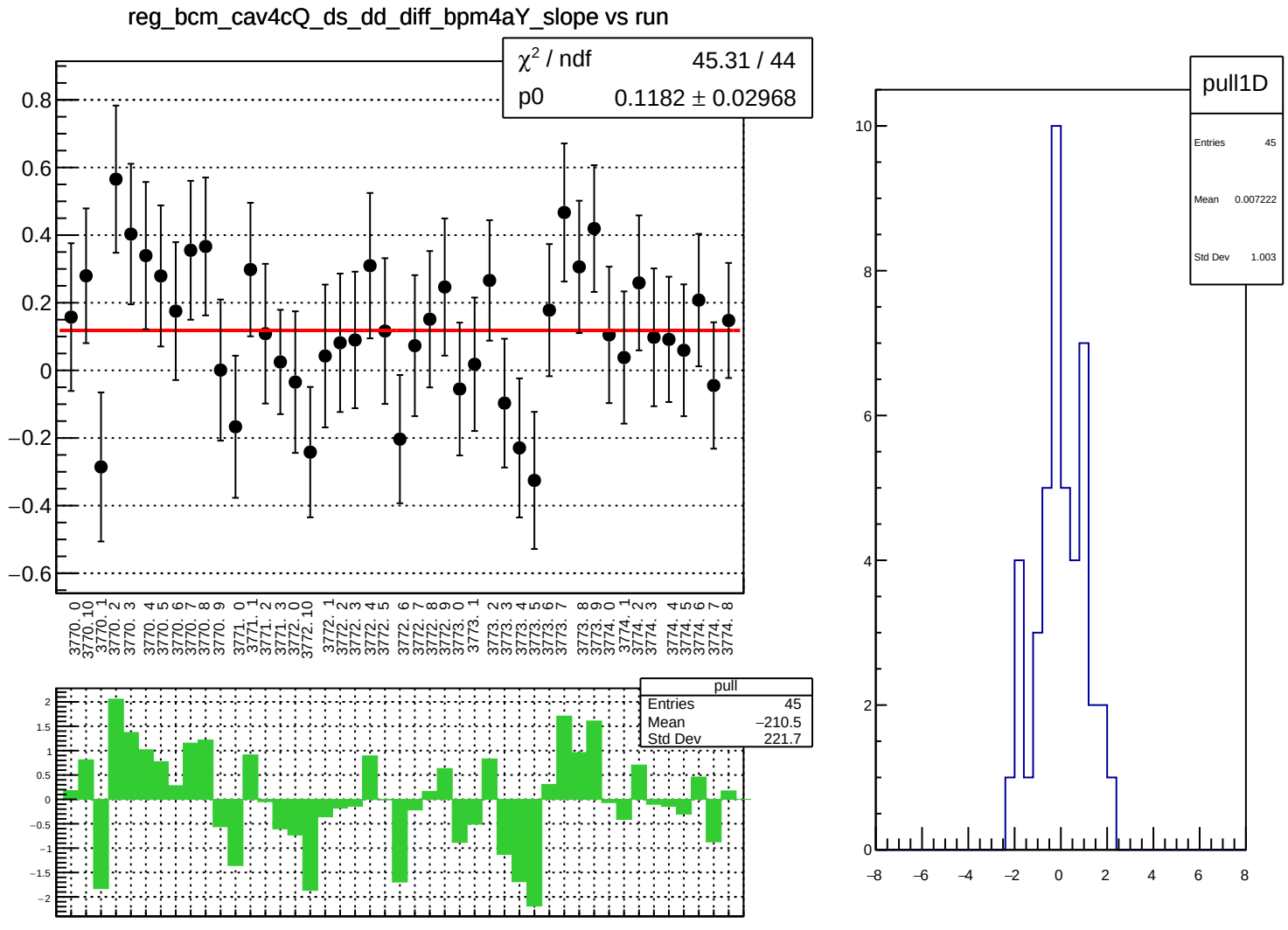

pull1D
Entries 45
Mean 0.002457
Std Dev 1.34

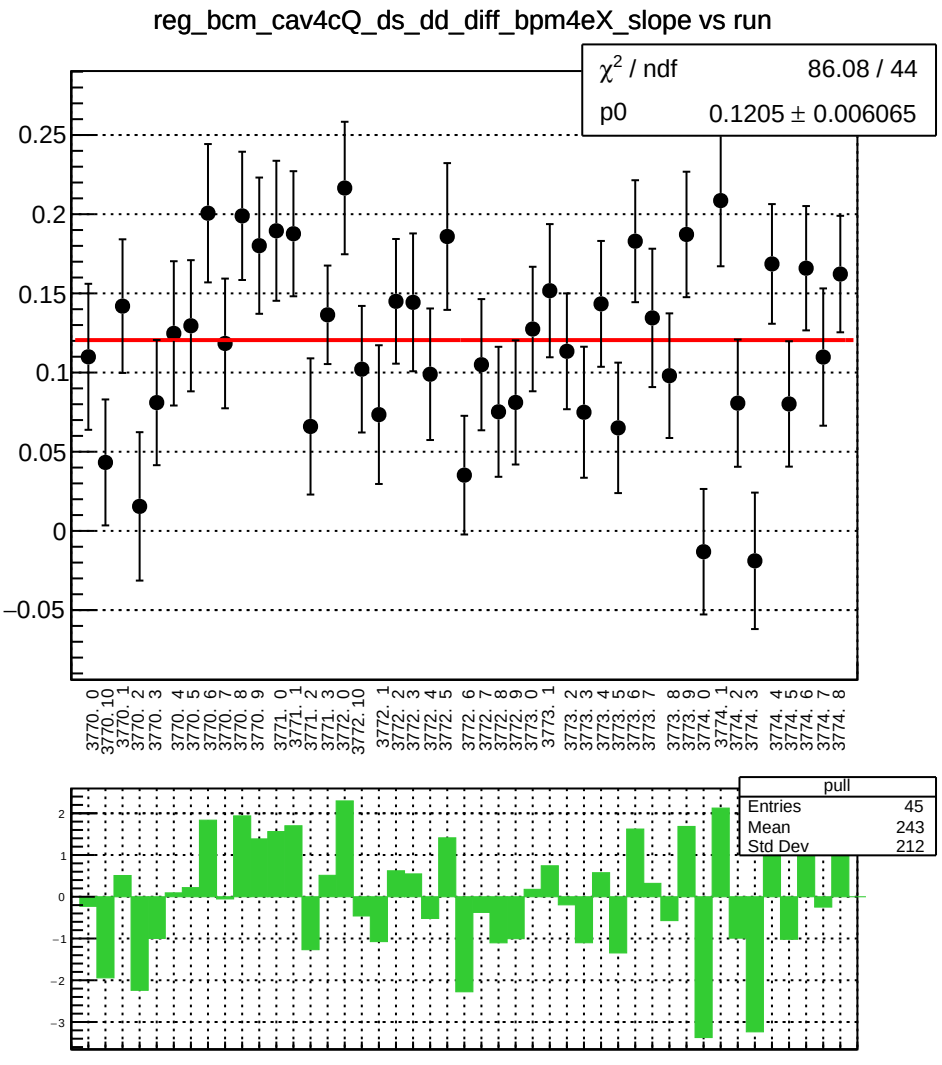

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 48.84 / 44
p0 −0.004875 ± 0.008462
pull
Entries 45
Mean −784
Std Dev 818.8

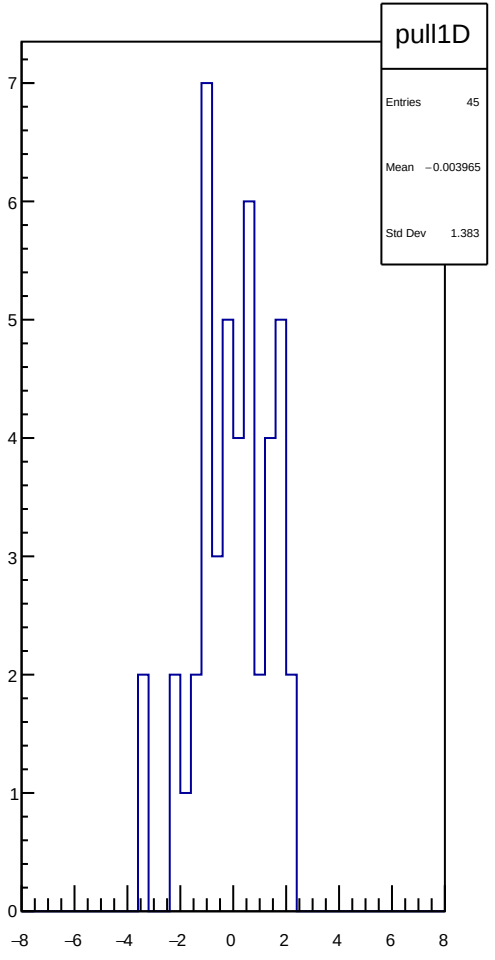

pull1D
Entries 45
Mean 0.001388
Std Dev 1.042

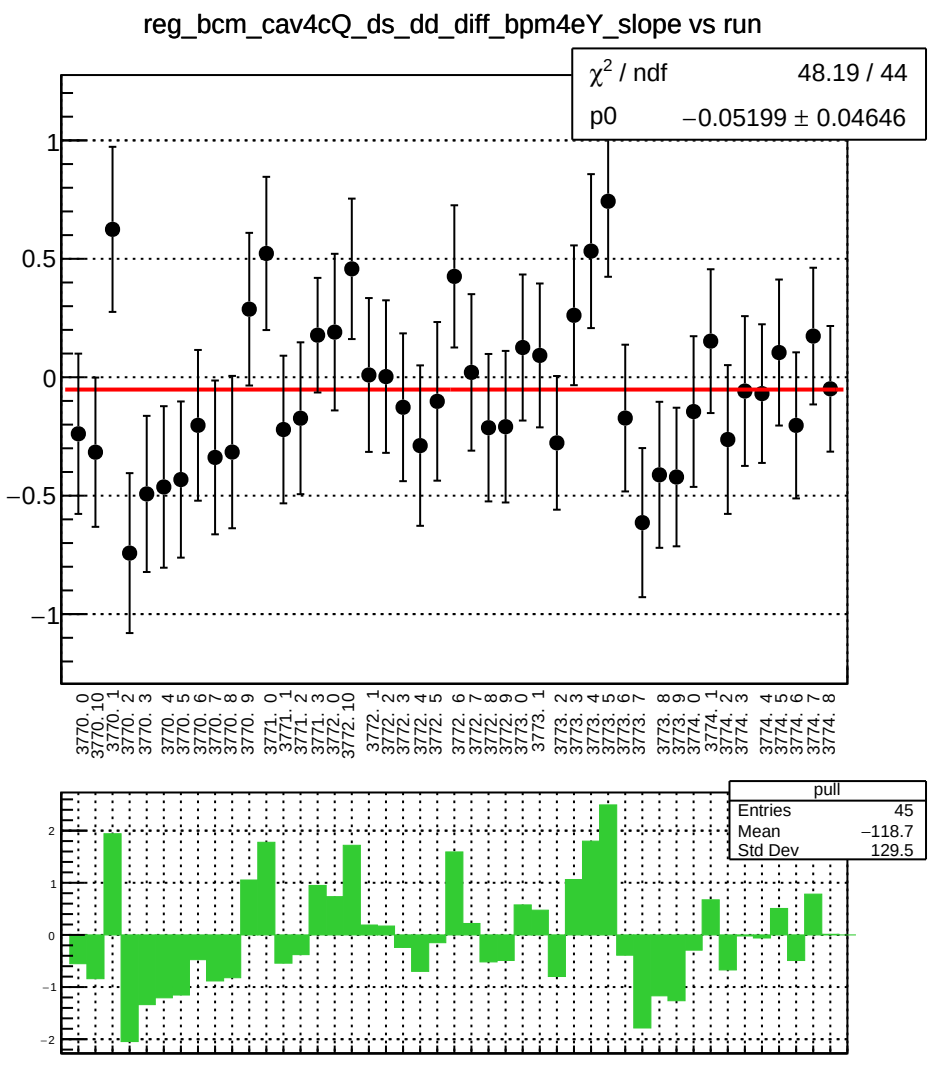

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.99 / 44
p0 0.1628 ± 0.03603
pull
Entries 45
Mean 250.3
Std Dev 230.6

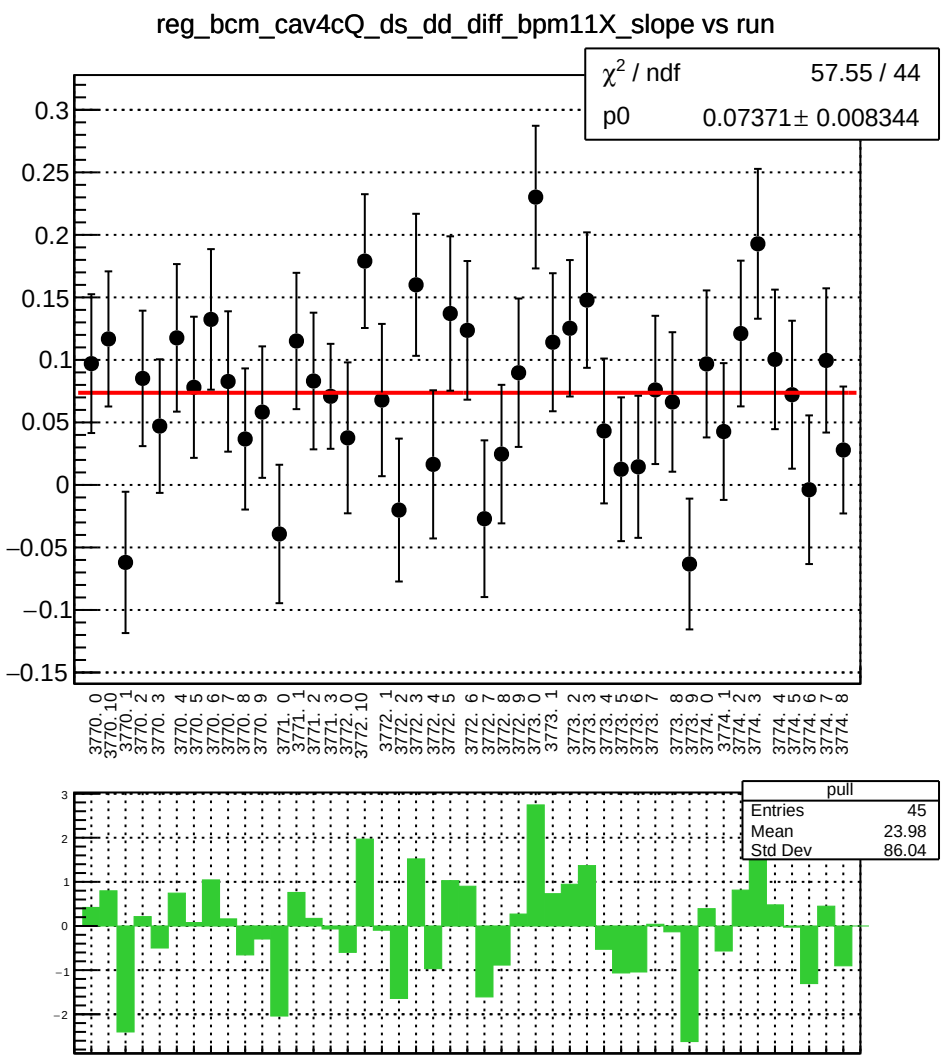

pull1D
Entries 45
Mean 0.004216
Std Dev 0.9544

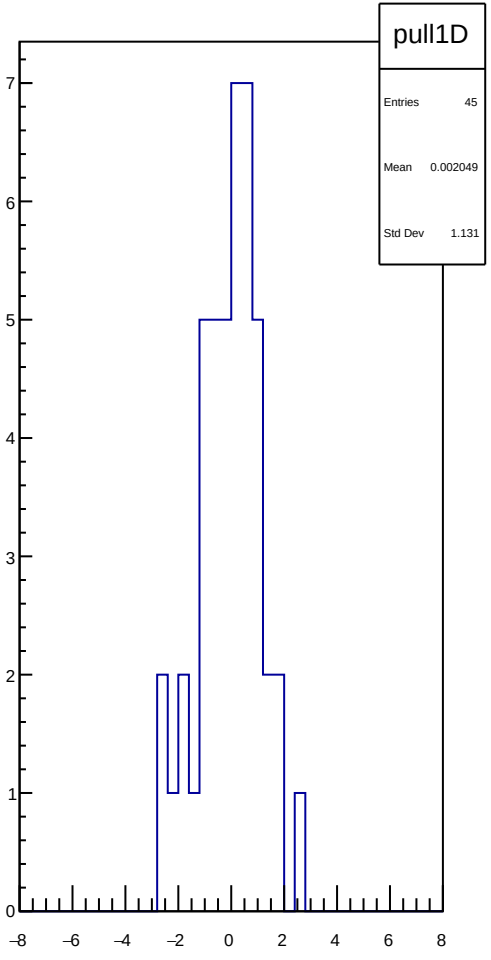

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.31 / 44
p0 0.1182 ± 0.02968
pull
Entries 45
Mean −210.5
Std Dev 221.7
pull1D
Entries 45
Mean 0.007222
Std Dev 1.003

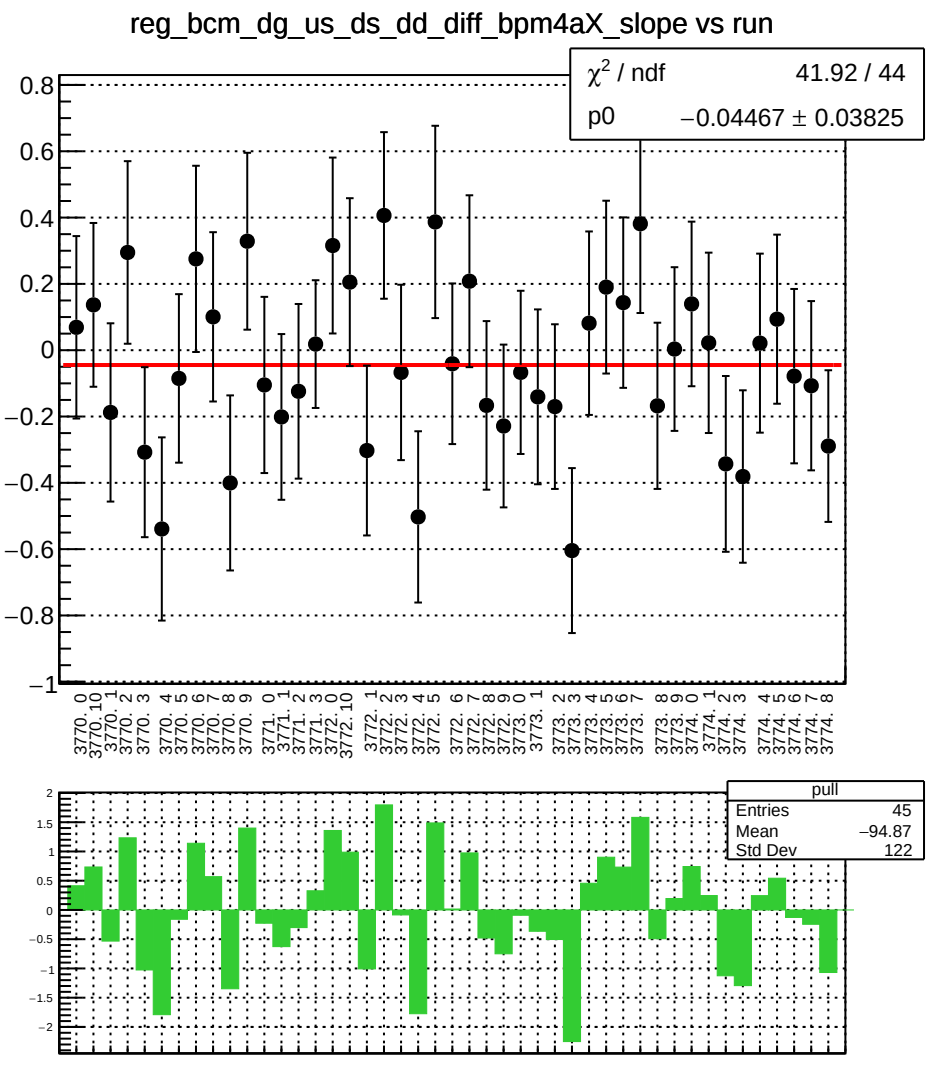

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.08 / 44
p0 0.1205 ± 0.006065
pull
Entries 45
Mean 243
Std Dev 212

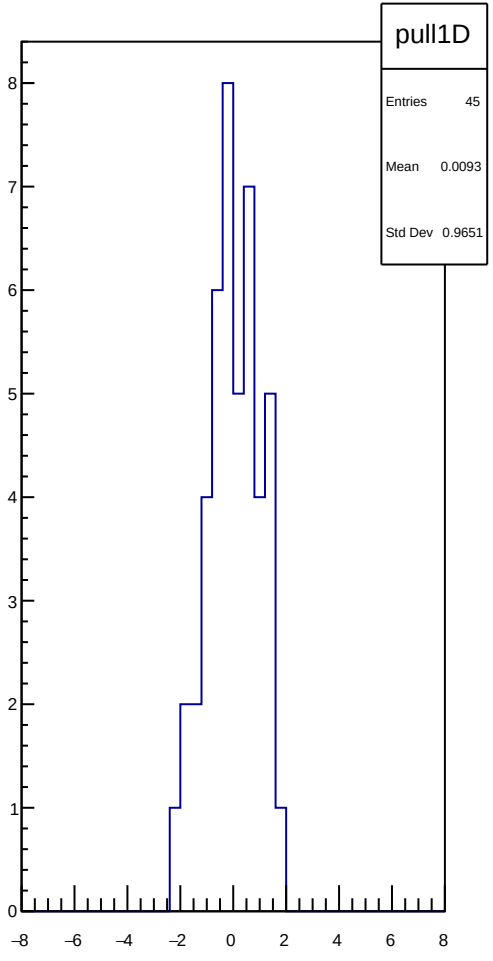

pull1D
Entries 45
Mean −0.003965
Std Dev 1.383

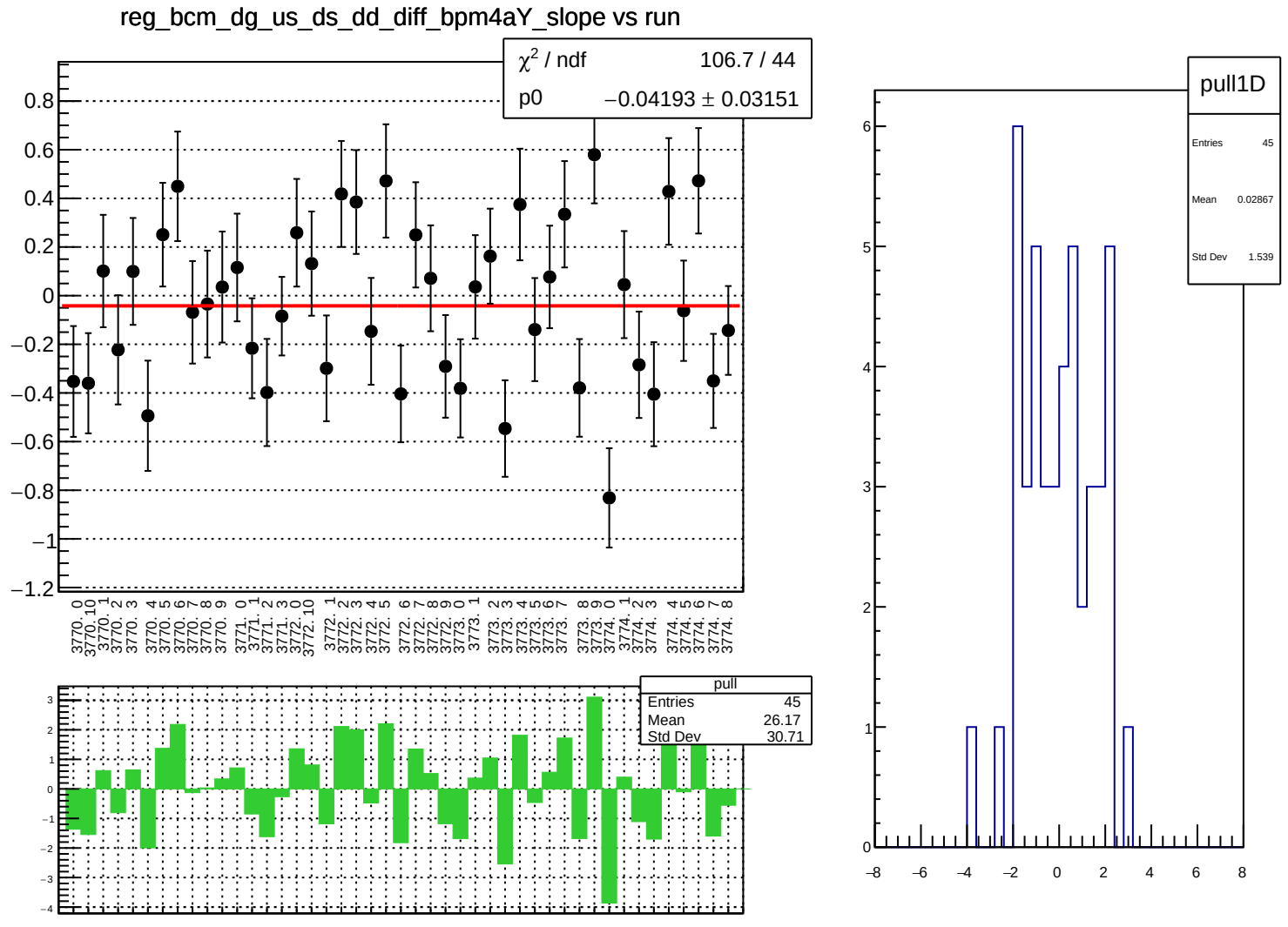

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.19 / 44
p0 −0.05199 ± 0.04646
1
0.5
0
−0.5
−1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −118.7
Std Dev 129.5
2
1
0
−1
−2
pull1D
Entries 45
Mean −0.01188
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

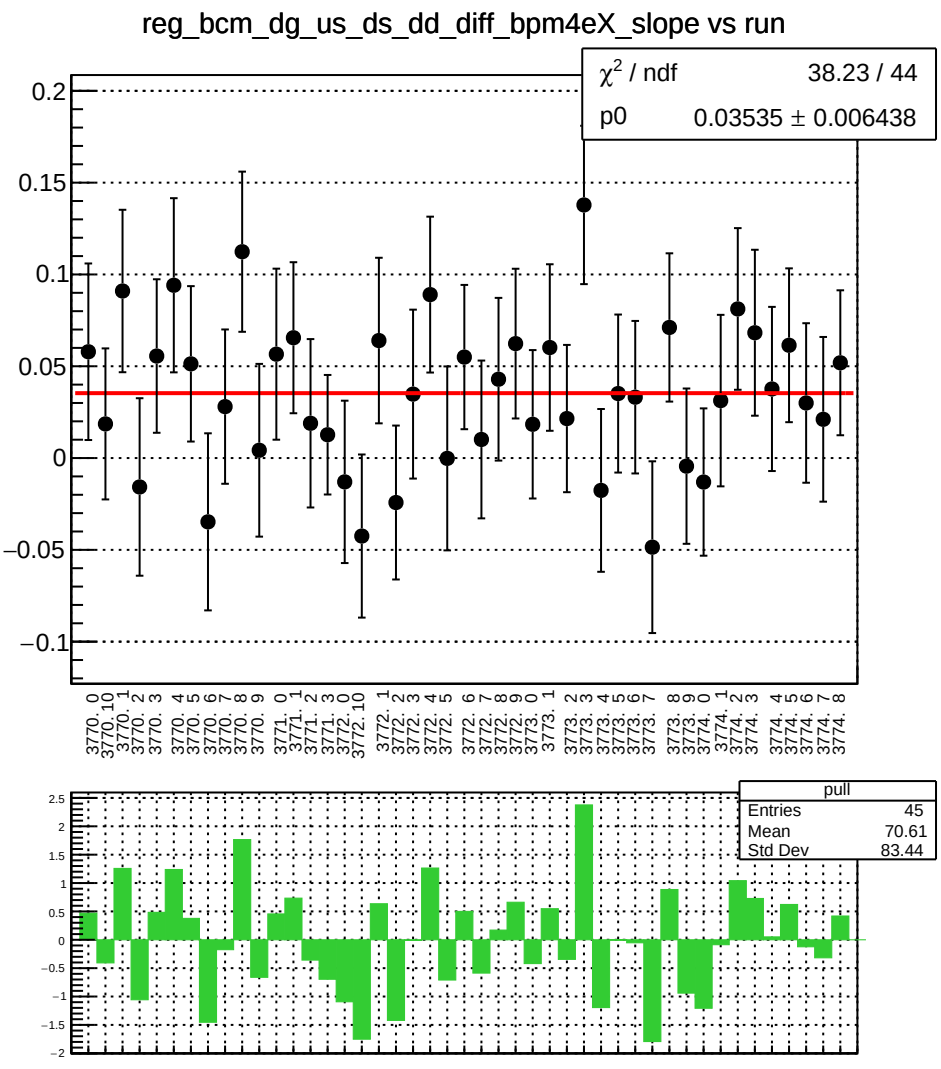

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 57.55 / 44
p0 0.07371± 0.008344
pull
Entries 45
Mean 23.98
Std Dev 86.04

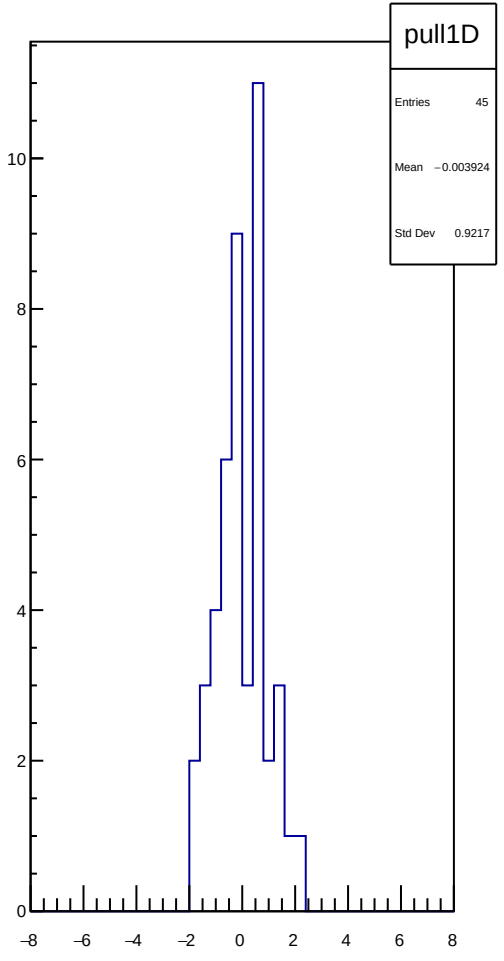

pull1D
Entries 45
Mean 0.002049
Std Dev 1.131

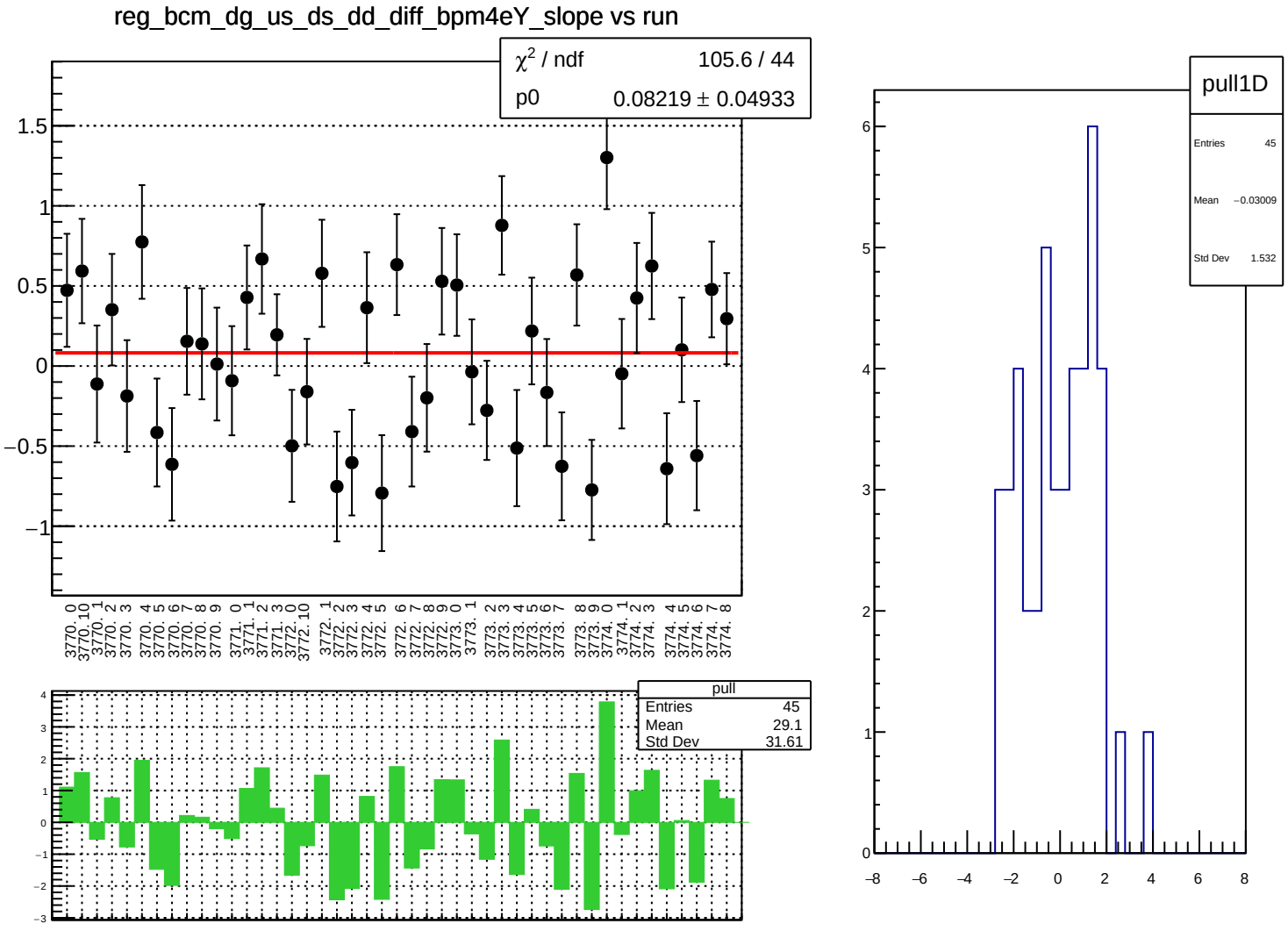

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 41.92 / 44
p0 −0.04467 ± 0.03825
pull
Entries 45
Mean −94.87
Std Dev 122

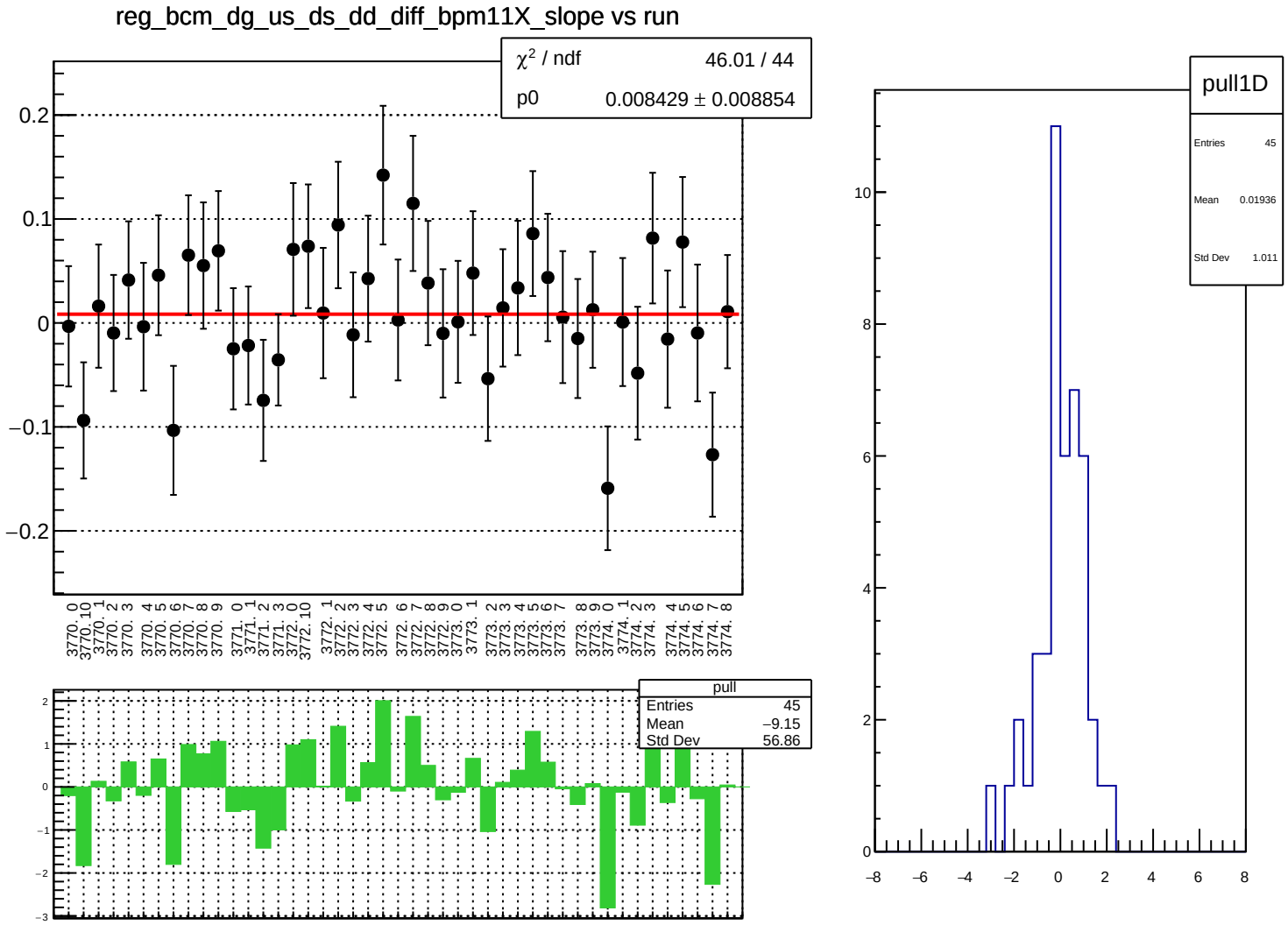

pull1D
Entries 45
Mean 0.0093
Std Dev 0.9651

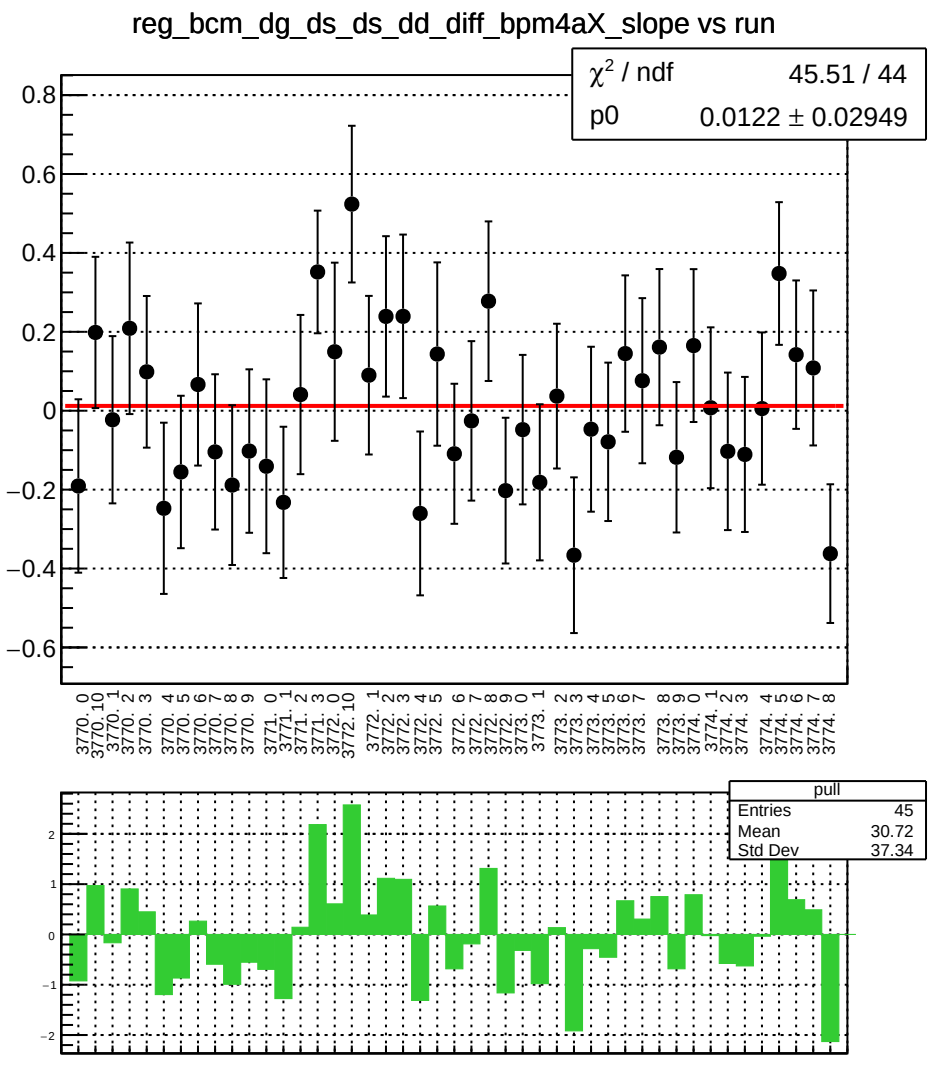

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 106.7 / 44
p0 −0.04193 ± 0.03151
pull
Entries 45
Mean 26.17
Std Dev 30.71
pull1D
Entries 45
Mean 0.02867
Std Dev 1.539

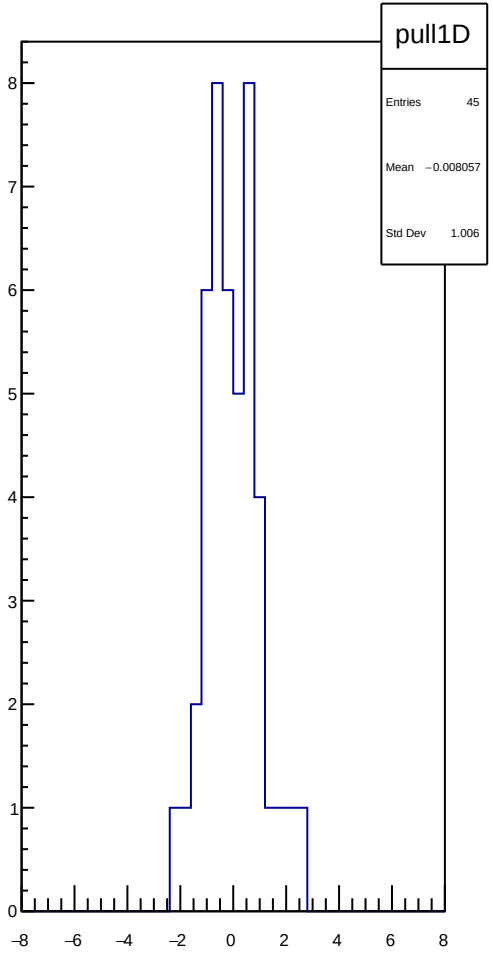

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.23 / 44
p0 0.03535 ± 0.006438
pull
Entries 45
Mean 70.61
Std Dev 83.44

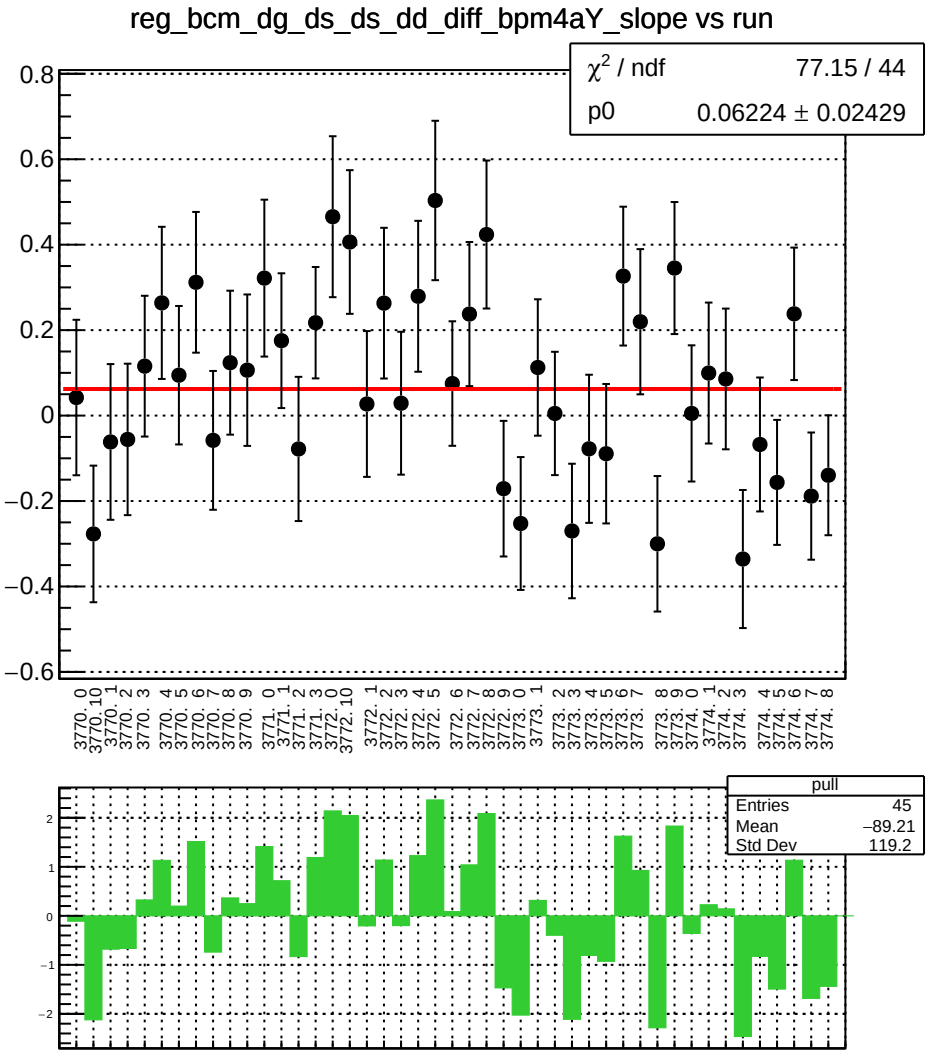

pull1D
Entries 45
Mean −0.003924
Std Dev 0.9217

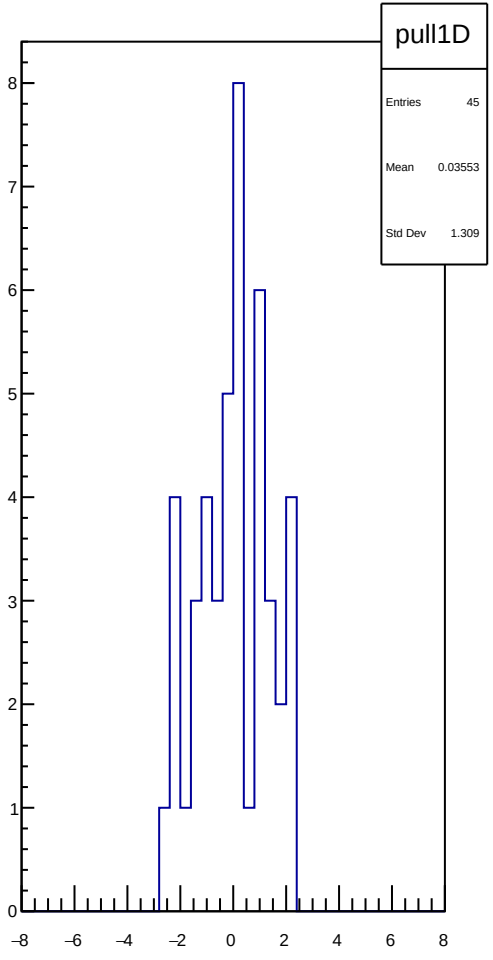

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 105.6 / 44
p0 0.08219 ± 0.04933
pull
Entries 45
Mean 29.1
Std Dev 31.61
pull1D
Entries 45
Mean −0.03009
Std Dev 1.532

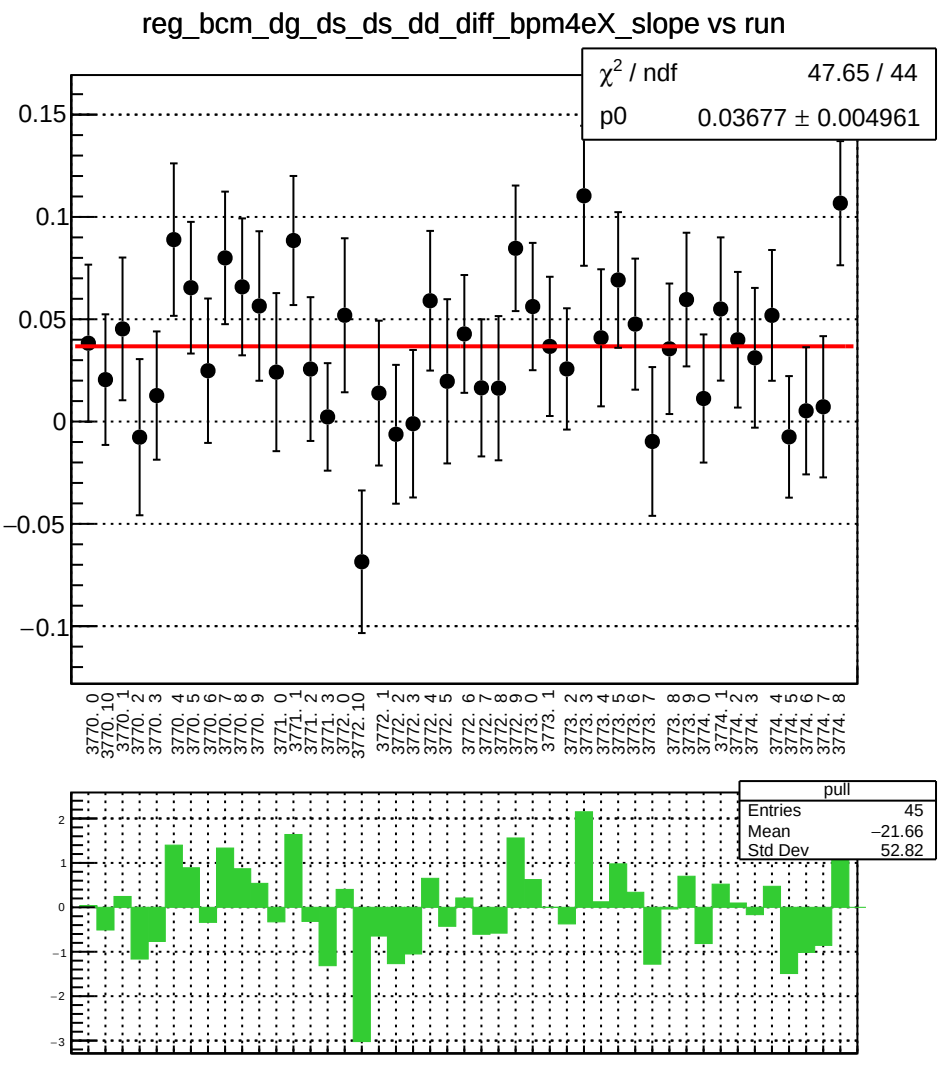

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 46.01 / 44
p0 0.008429 ± 0.008854
0.2
0.1
0
−0.1
−0.2
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −9.15
Std Dev 56.86
2
1
0
−1
−2
−3
pull1D
Entries 45
Mean 0.01936
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

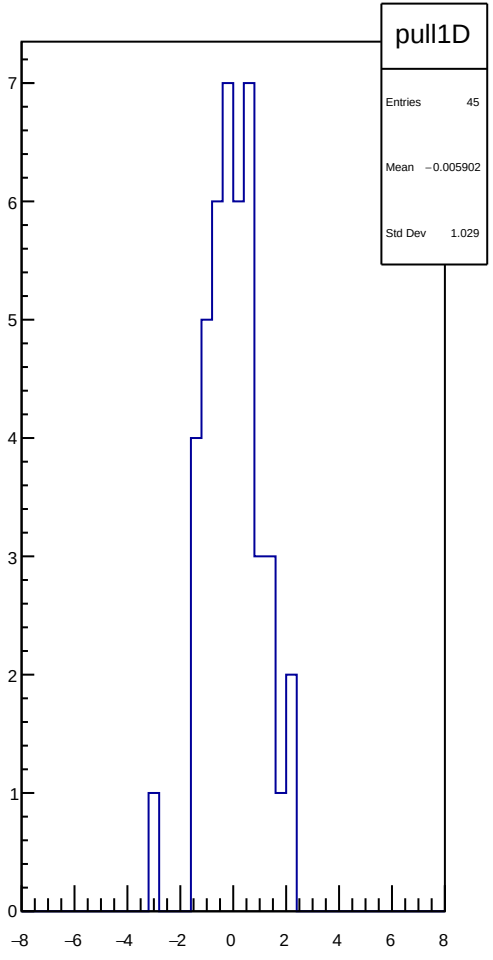

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.51 / 44
p0 0.0122 ± 0.02949
pull
Entries 45
Mean 30.72
Std Dev 37.34

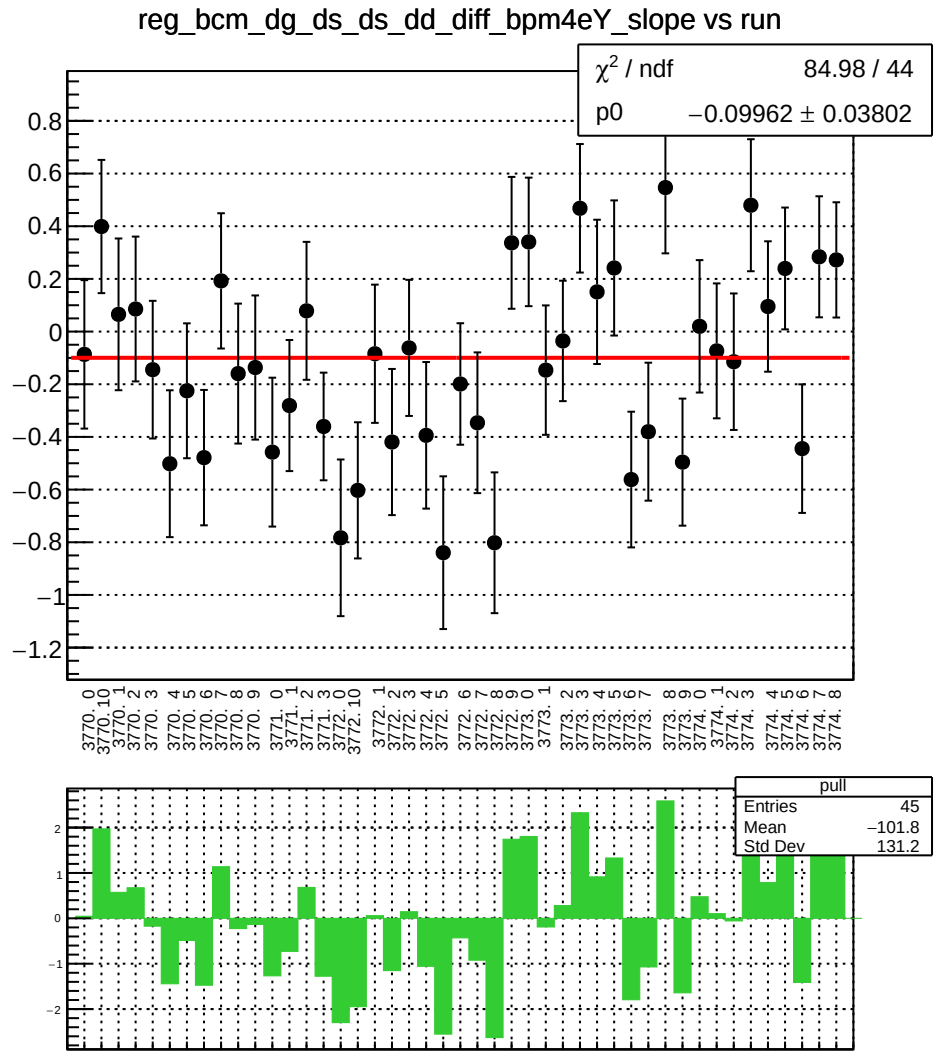

pull1D
Entries 45
Mean −0.008057
Std Dev 1.006

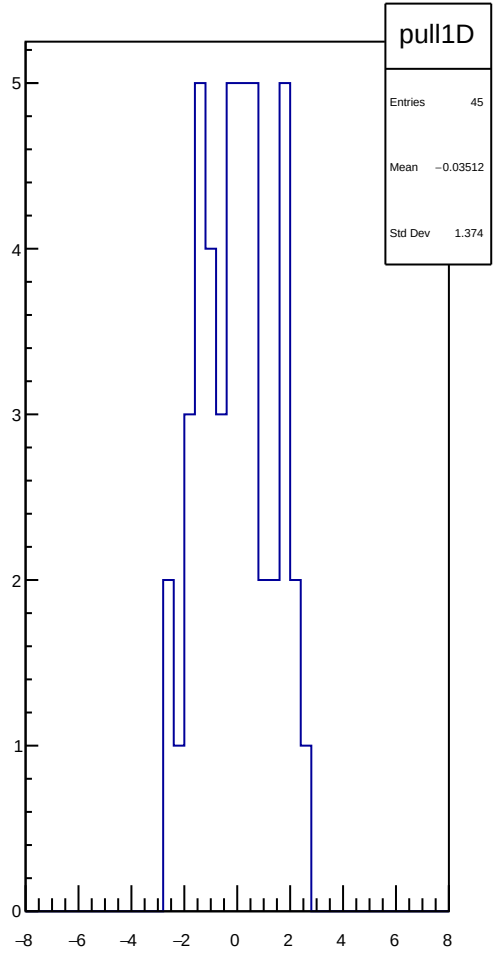

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.15 / 44
p0 0.06224 ± 0.02429
pull
Entries 45
Mean −89.21
Std Dev 119.2

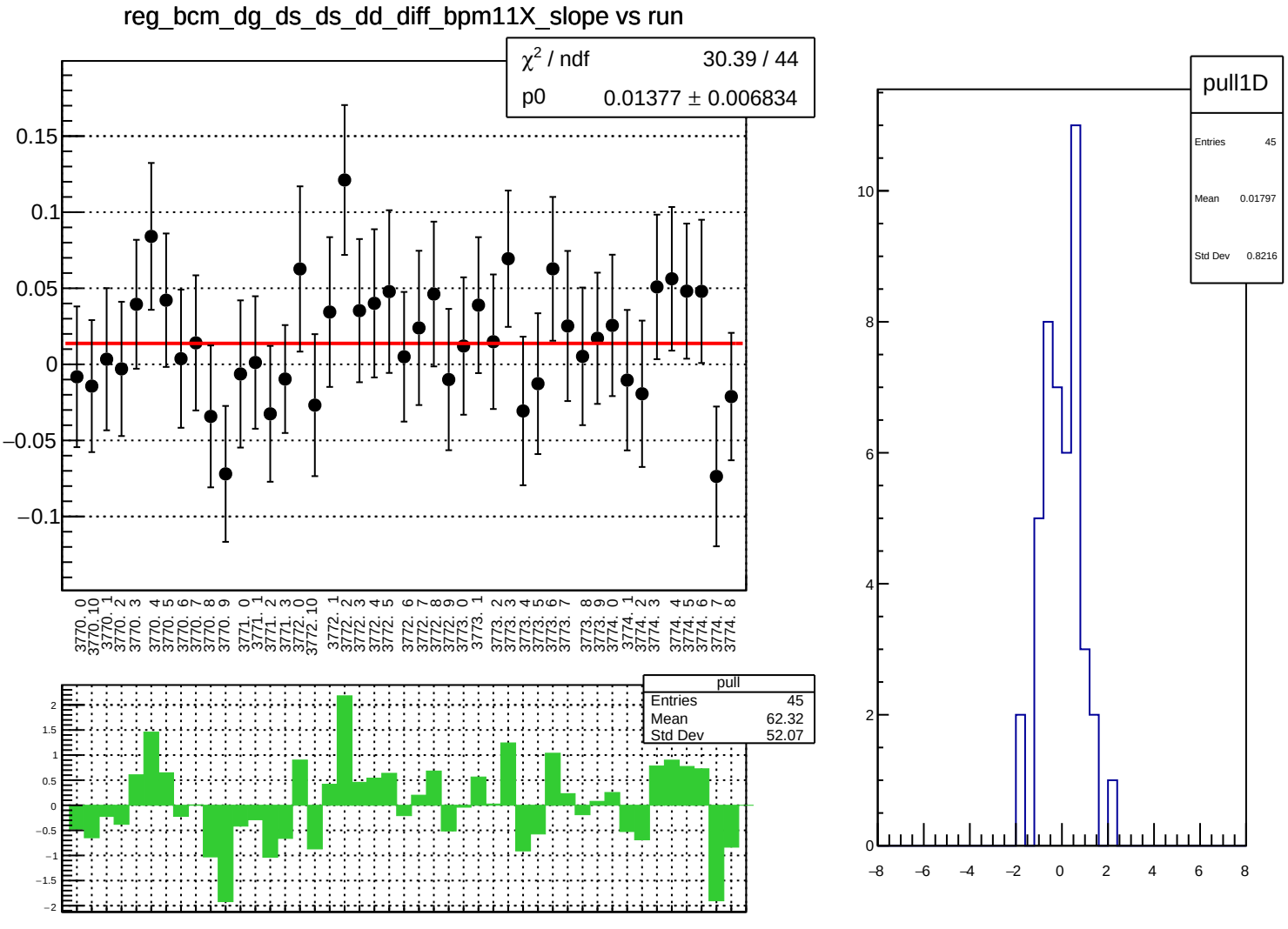

pull1D
Entries 45
Mean 0.03553
Std Dev 1.309


reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.65 / 44
p0 0.03677 ± 0.004961
0.15
0.1
0.05
0
−0.05
−0.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean −21.66
Std Dev 52.82
2
1
0
−1
−2
−3


pull1D
Entries 45
Mean −0.005902
Std Dev 1.029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.98 / 44
p0 −0.09962 ± 0.03802
pull
Entries 45
Mean −101.8
Std Dev 131.2


pull1D
Entries 45
Mean −0.03512
Std Dev 1.374


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 30.39 / 44
p0 0.01377 ± 0.006834
0.15
0.1
0.05
0
−0.05
−0.1
3770. 0
3770. 10
3770. 1
3770. 2
3770. 3
3770. 4
3770. 5
3770. 6
3770. 7
3770. 8
3770. 9
3771. 0
3771. 1
3771. 2
3771. 3
3772. 0
3772. 10
3772. 1
3772. 2
3772. 3
3772. 4
3772. 5
3772. 6
3772. 7
3772. 8
3772. 9
3773. 0
3773. 1
3773. 2
3773. 3
3773. 4
3773. 5
3773. 6
3773. 7
3773. 8
3773. 9
3774. 0
3774. 1
3774. 2
3774. 3
3774. 4
3774. 5
3774. 6
3774. 7
3774. 8
pull
Entries 45
Mean 62.32
Std Dev 52.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 45
Mean 0.01797
Std Dev 0.8216
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8