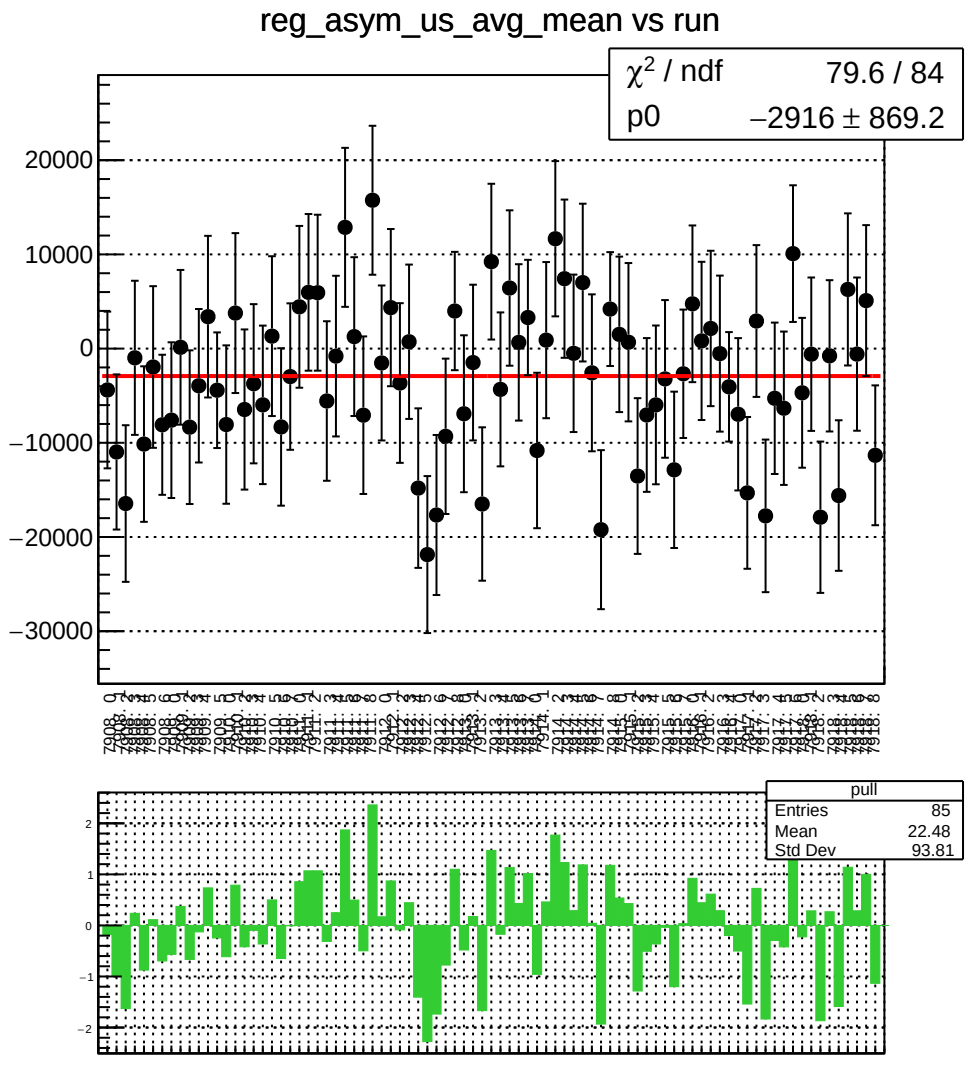
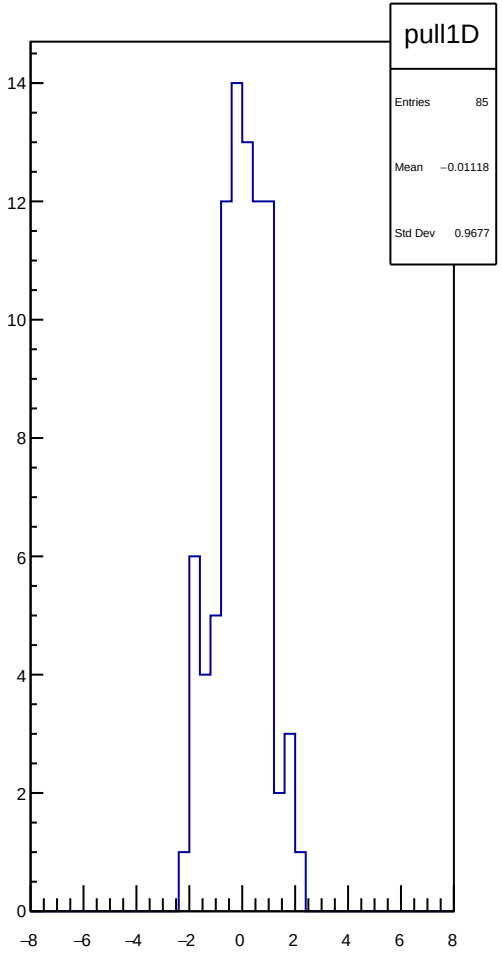
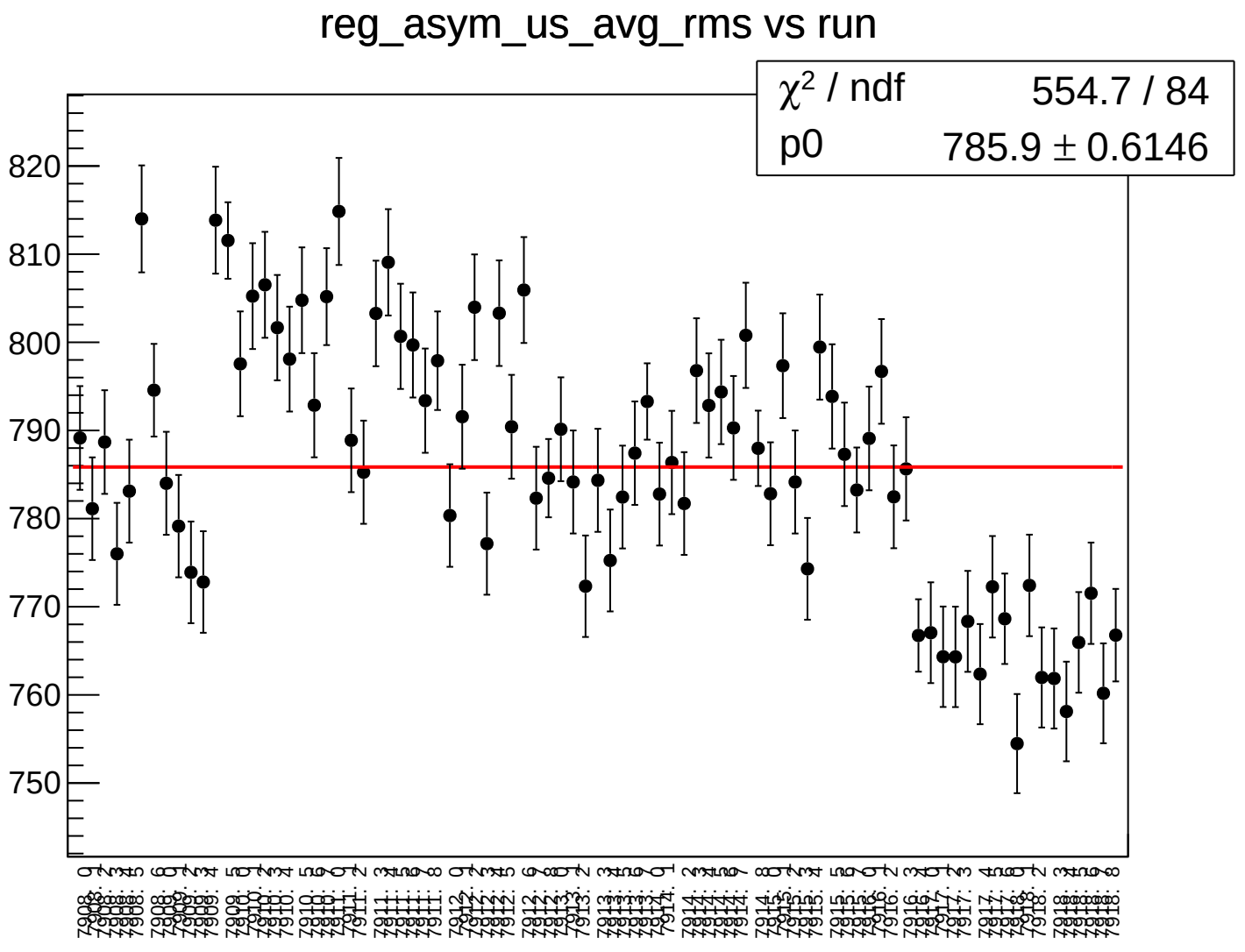
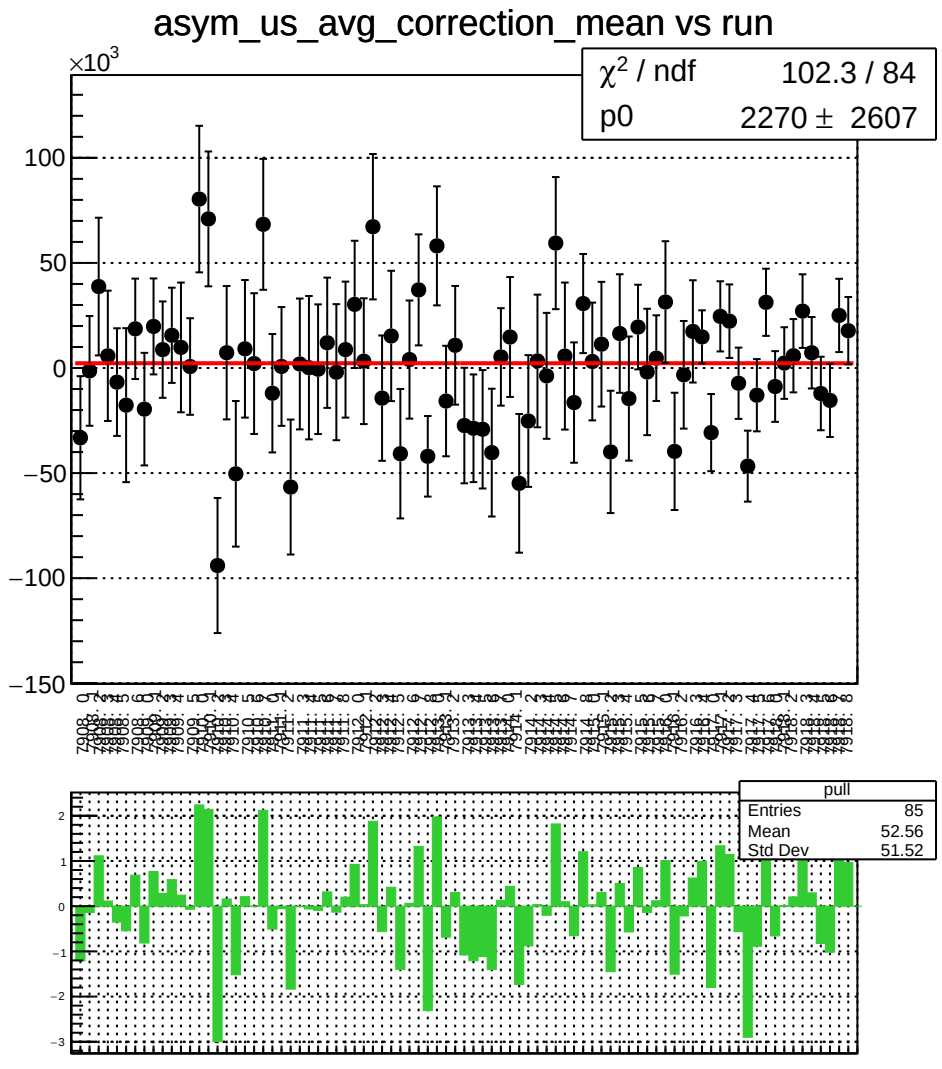
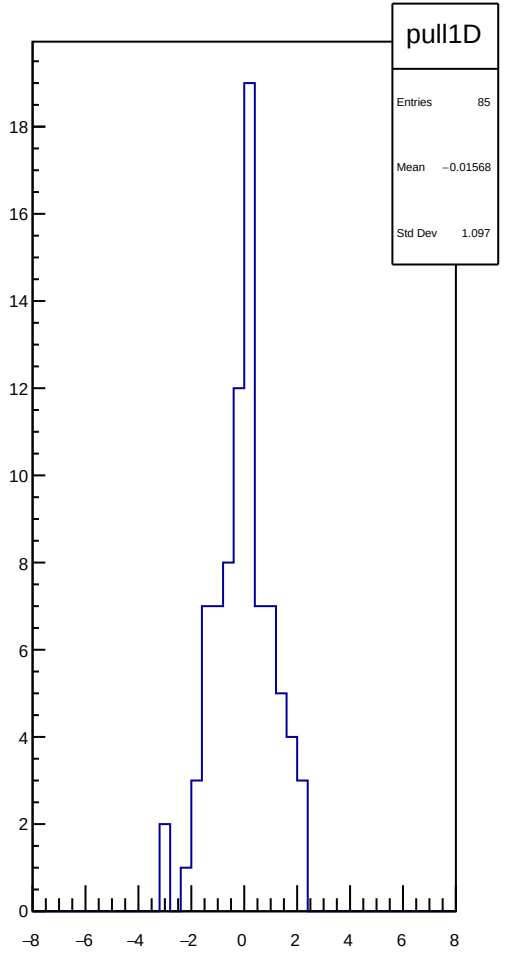
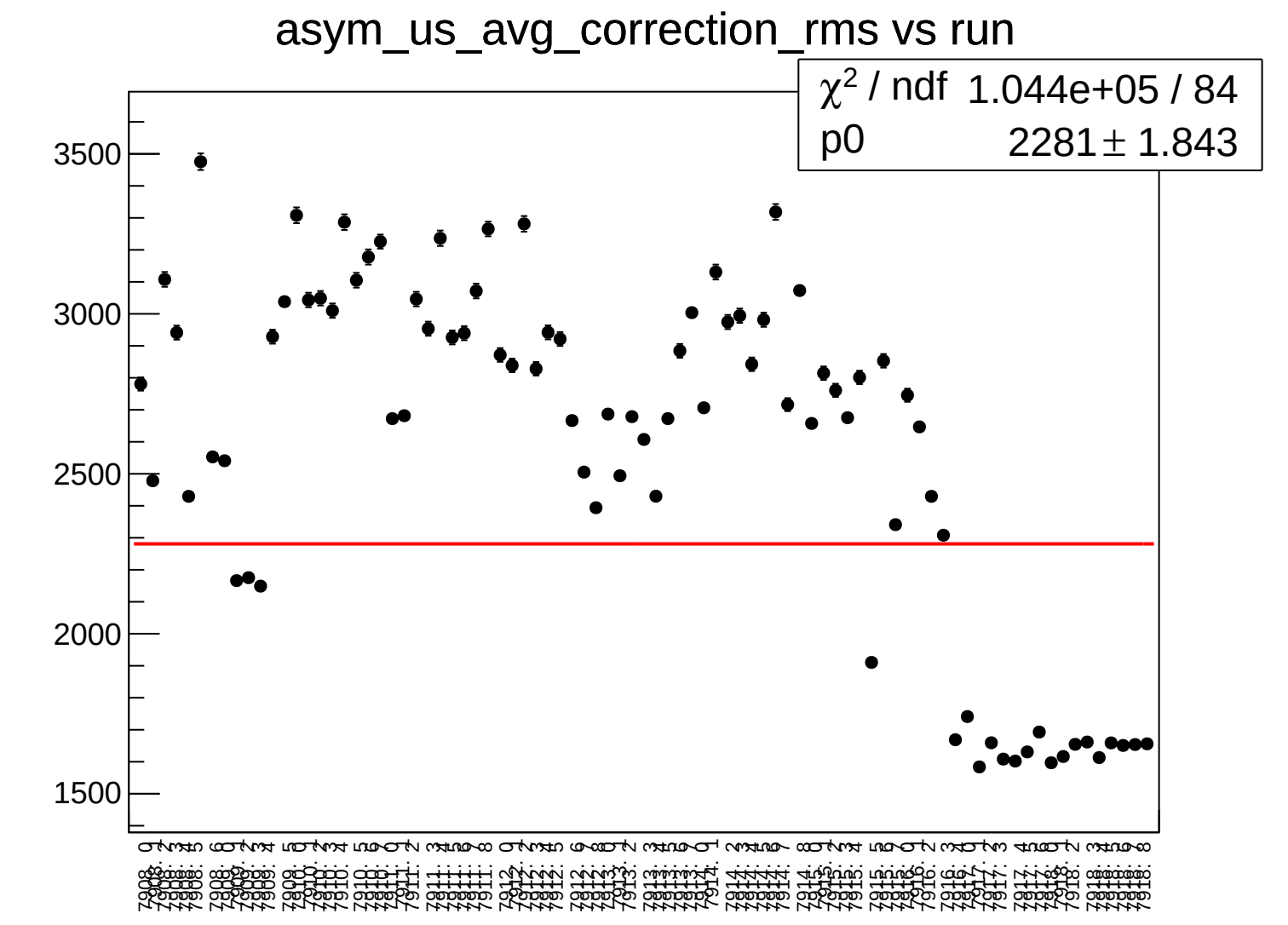

reg_asym_us_avg_mean vs run
χ² / ndf 79.6 / 84
p0 −2916 ± 869.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 22.48
Std Dev 93.81
2
1
0
−1
−2

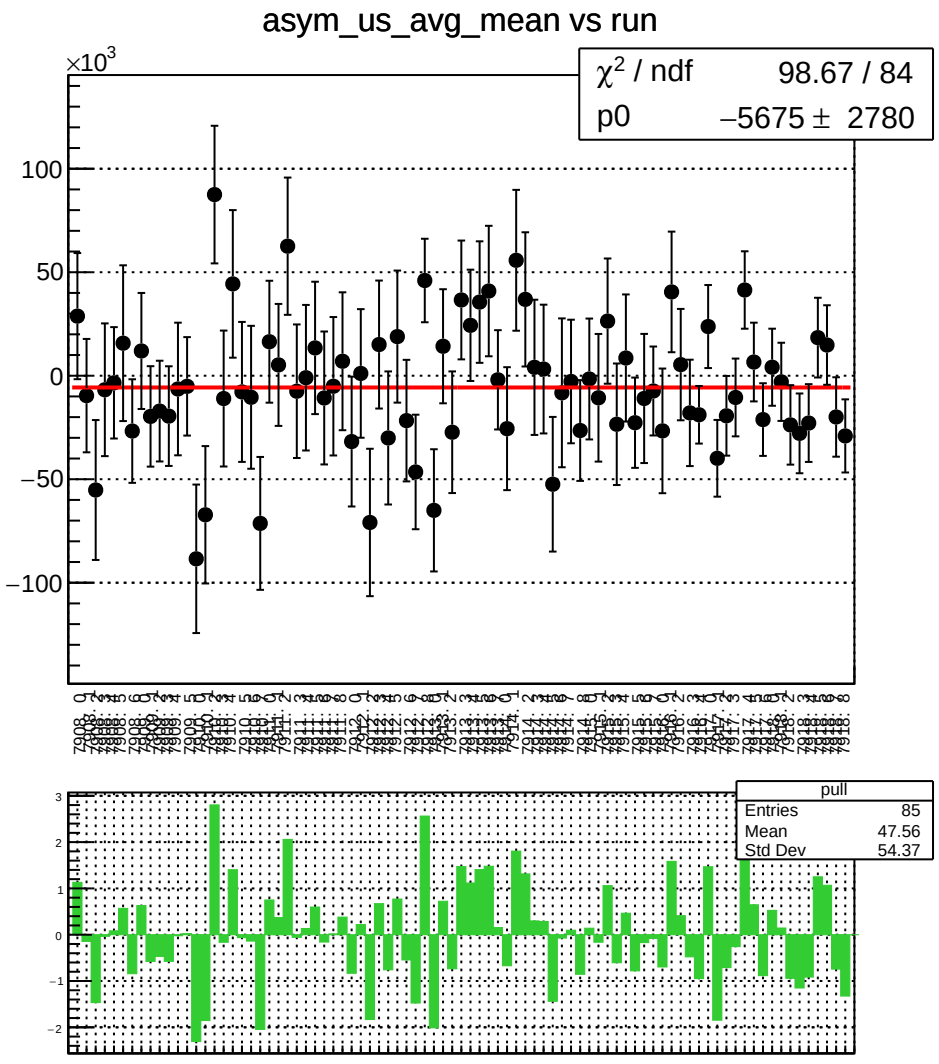

pull1D
Entries 85
Mean −0.01118
Std Dev 0.9677
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

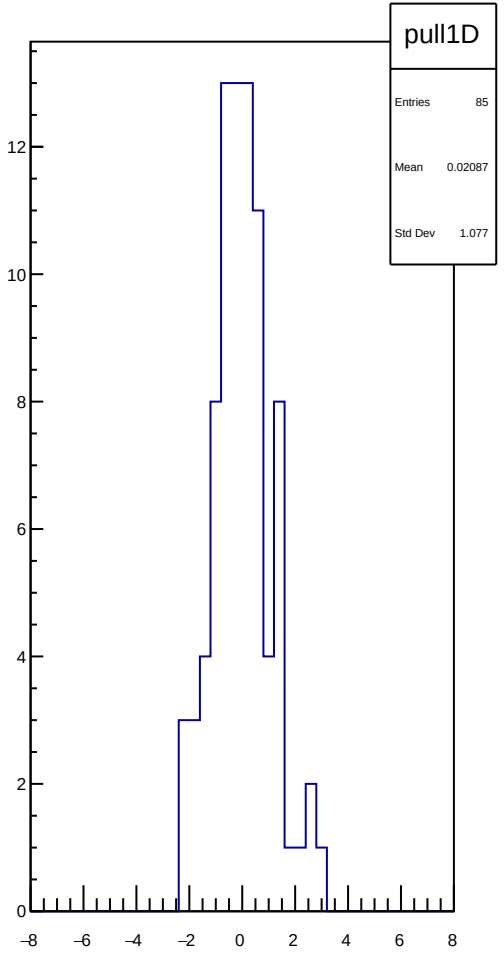

reg_asym_us_avg_rms vs run
χ² / ndf 554.7 / 84
p0 785.9 ± 0.6146
820
810
800
790
780
770
760
750

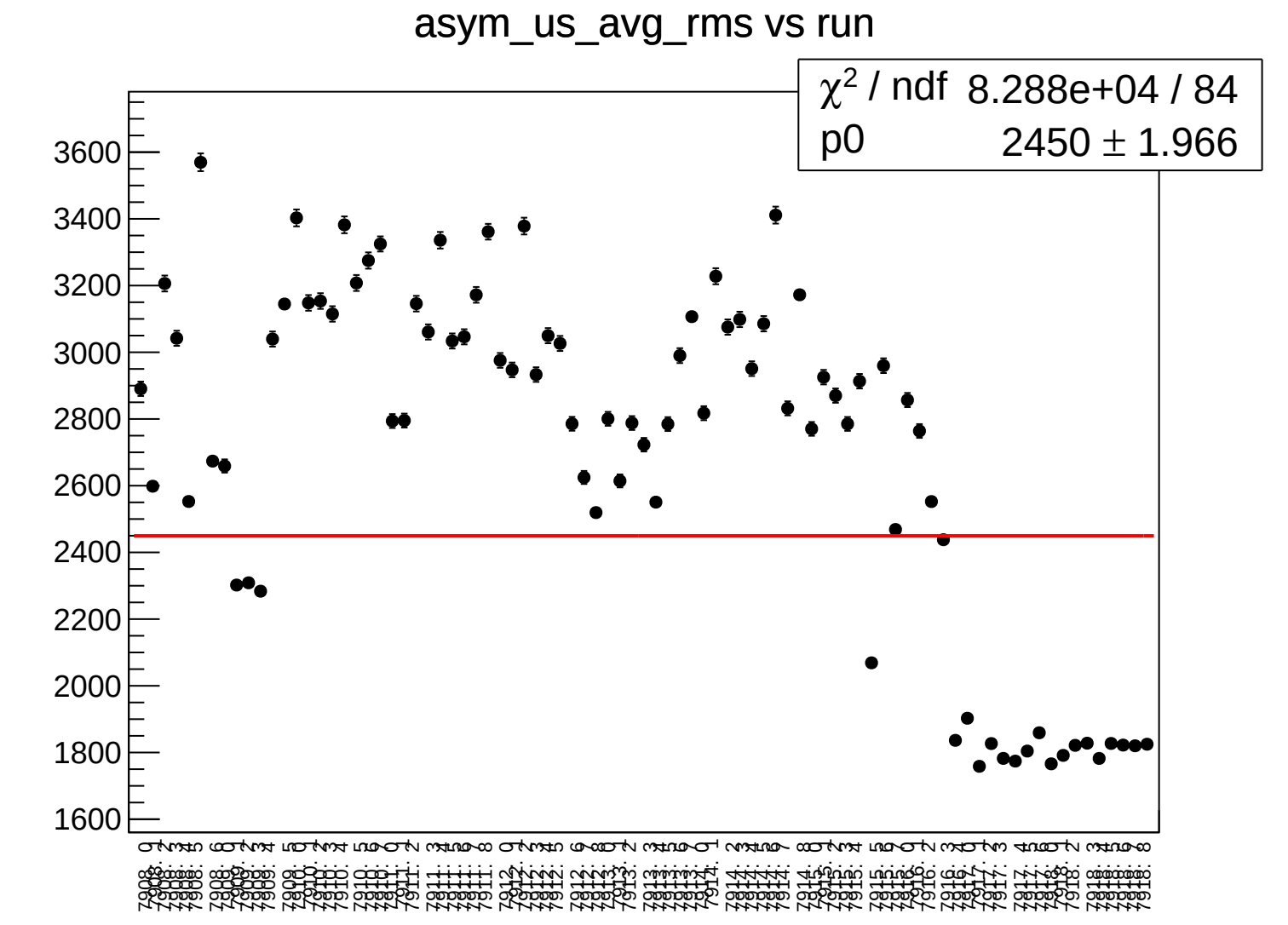

asym_us_avg_correction_mean vs run
×10^3
χ^2 / ndf 102.3 / 84
p0 2270 ± 2607
100
50
0
−50
−100
−150
pull
Entries 85
Mean 52.56
Std Dev 51.52
2
1
0
−1
−2
−3

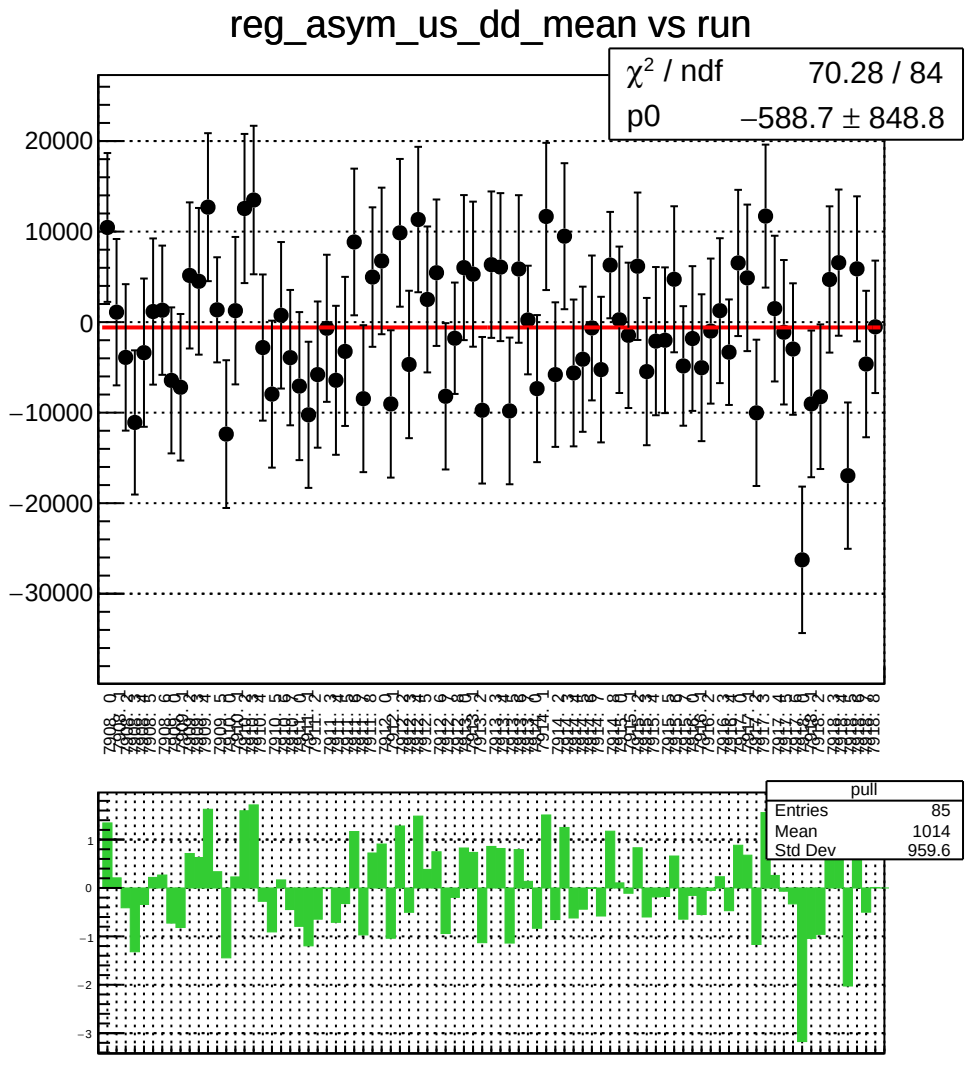

pull1D
Entries 85
Mean −0.01568
Std Dev 1.097
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

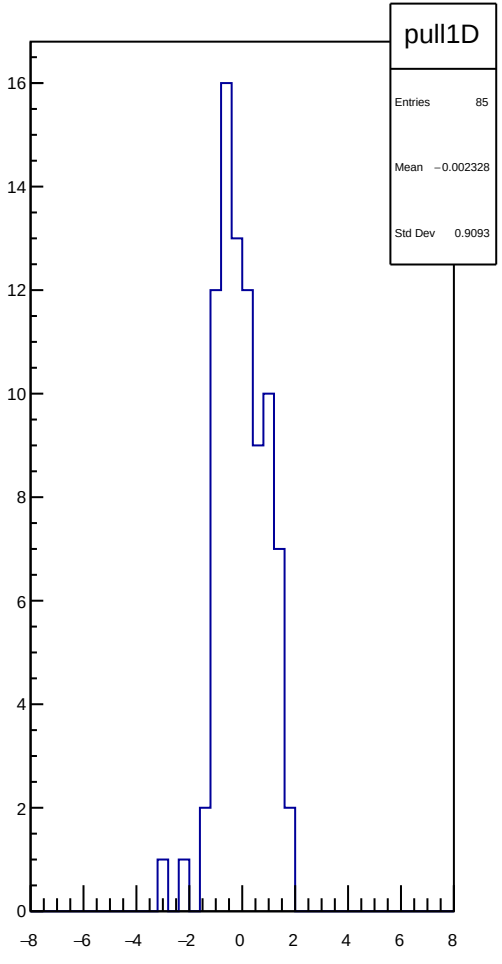

asym_us_avg_correction_rms vs run
χ² / ndf 1.044e+05 / 84
p0 2281 ± 1.843
3500
3000
2500
2000
1500

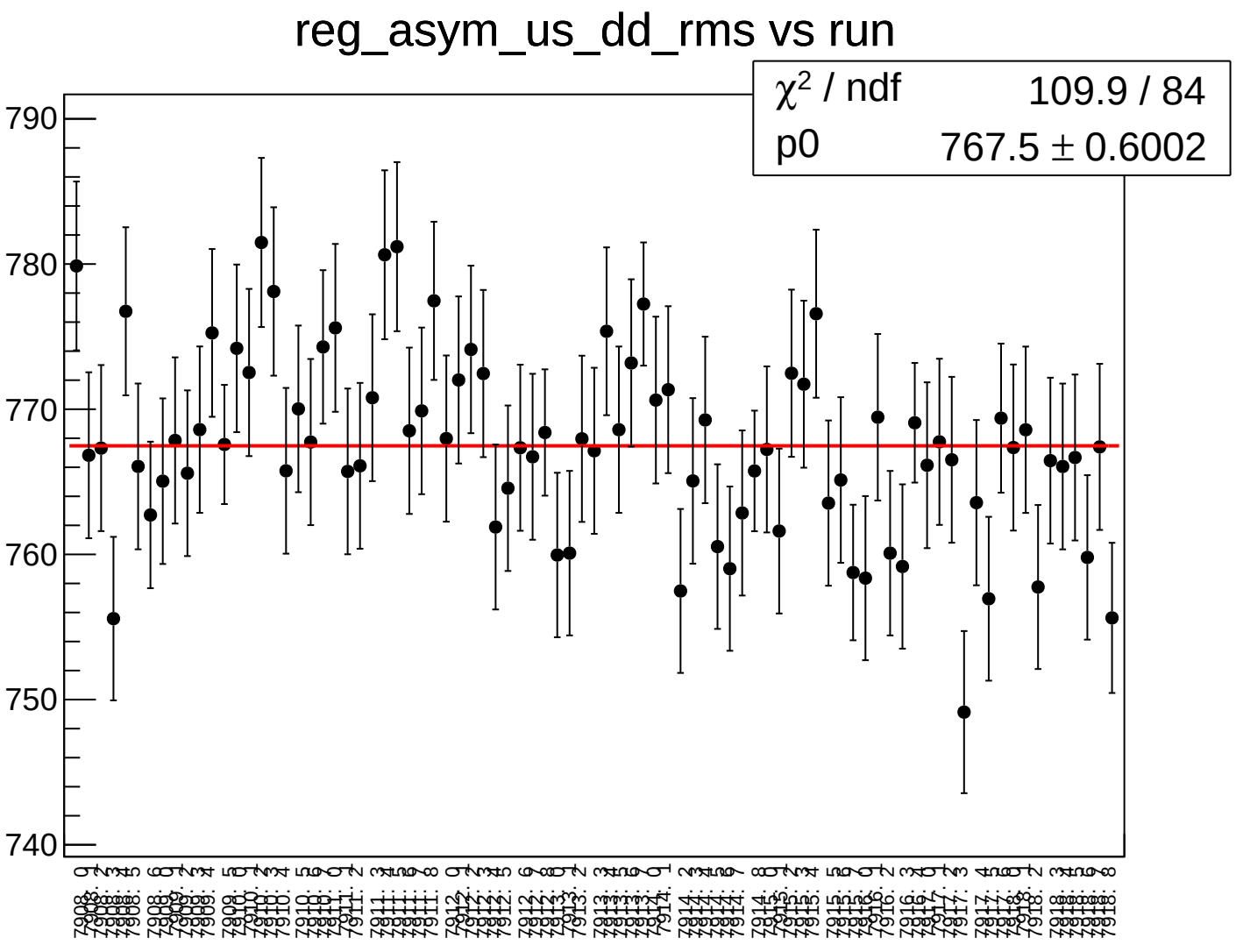

asym_us_avg_mean vs run
×10^3
χ^2 / ndf 98.67 / 84
p0 −5675 ± 2780
100
50
0
−50
−100
pull
Entries 85
Mean 47.56
Std Dev 54.37
3
2
1
0
−1
−2

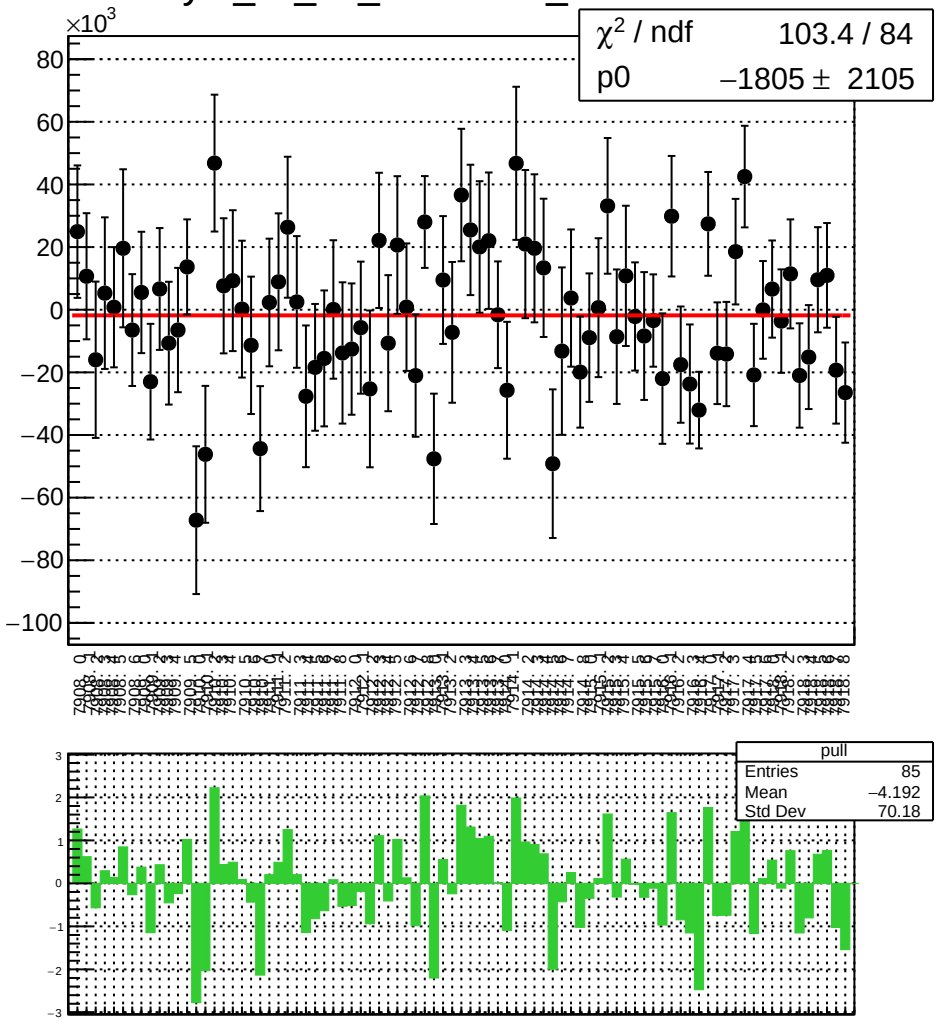

pull1D
Entries 85
Mean 0.02087
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

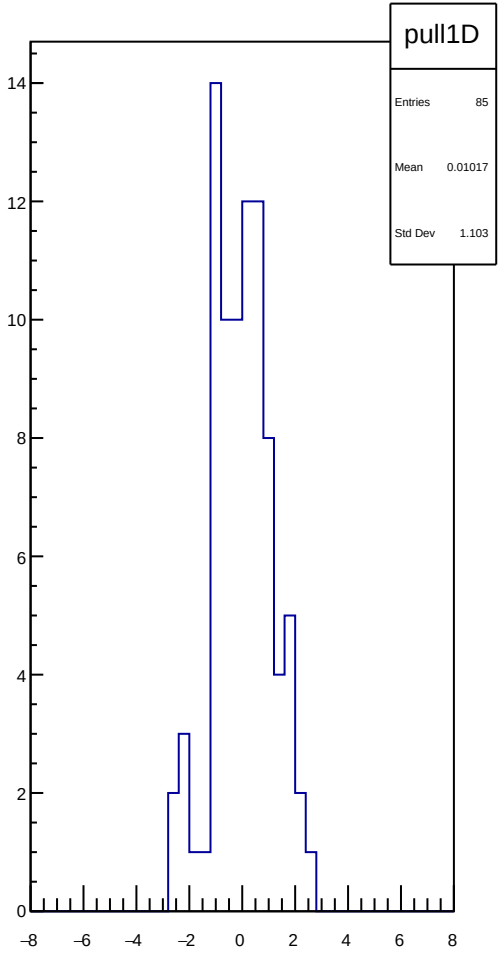

asym_us_avg_rms vs run
χ² / ndf 8.288e+04 / 84
p0 2450 ± 1.966
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

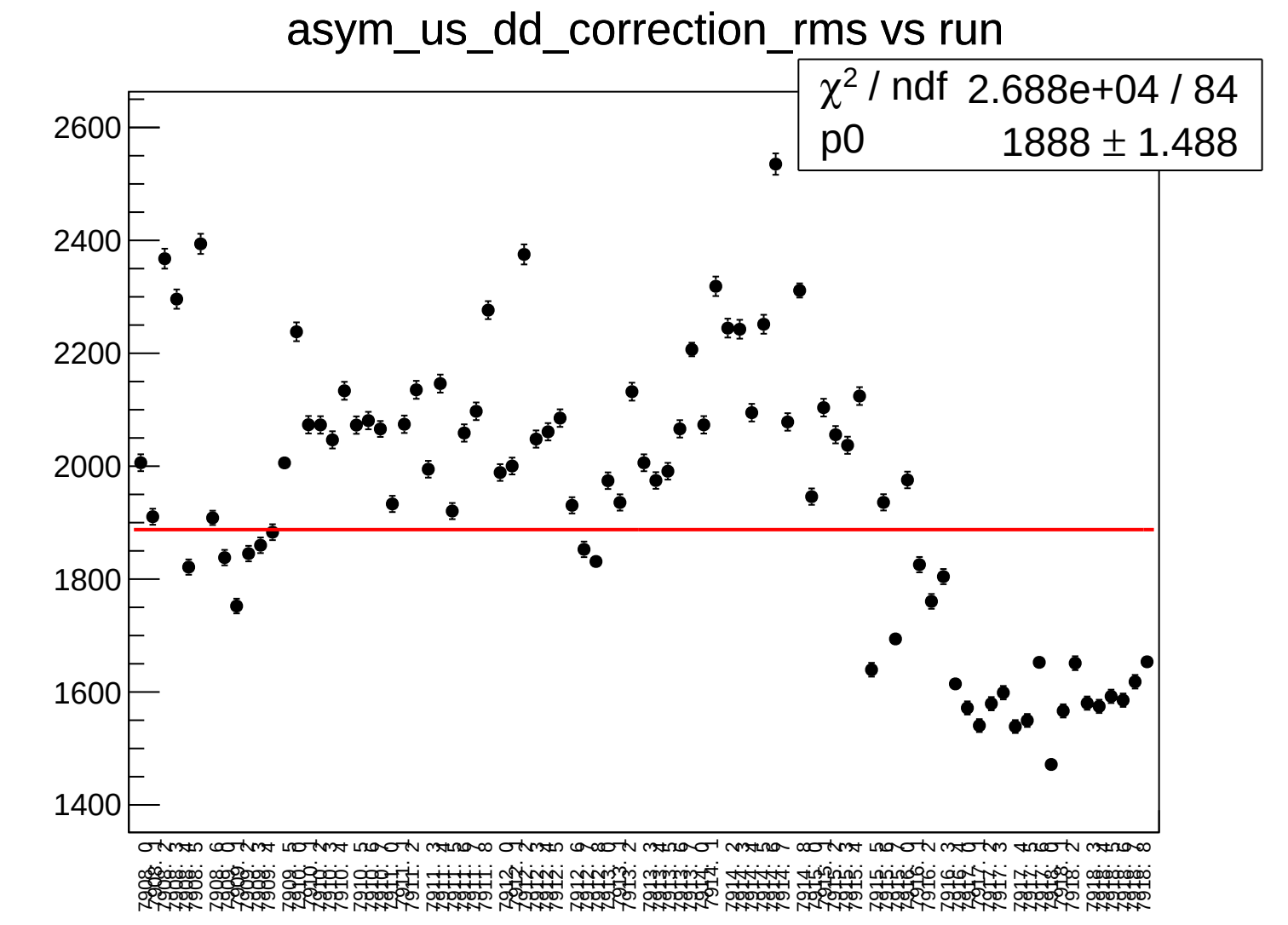

reg_asym_us_dd_mean vs run
χ² / ndf 70.28 / 84
p0 −588.7 ± 848.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 1014
Std Dev 959.6
1
0
−1
−2
−3

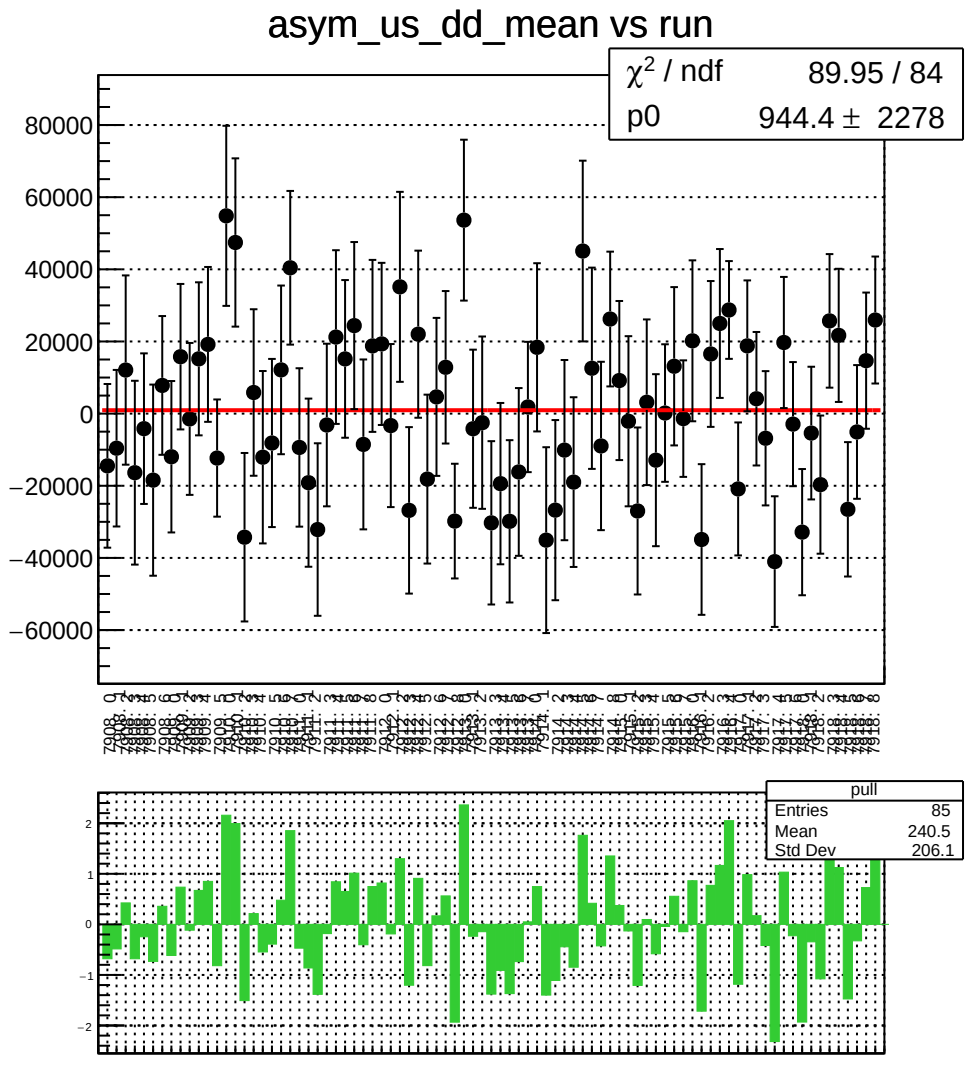

pull1D
Entries 85
Mean −0.002328
Std Dev 0.9093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

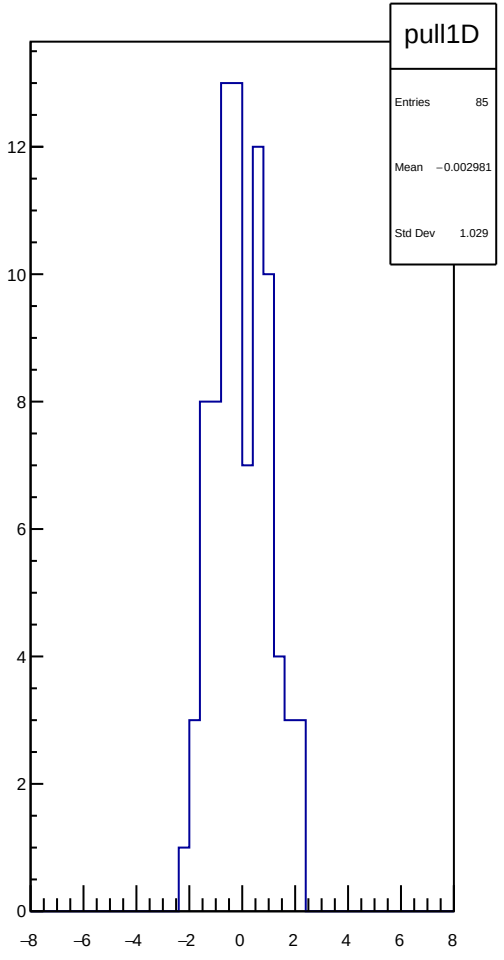

reg_asym_us_dd_rms vs run
χ^2 / ndf 109.9 / 84
p0 767.5 ± 0.6002
790
780
770
760
750
740

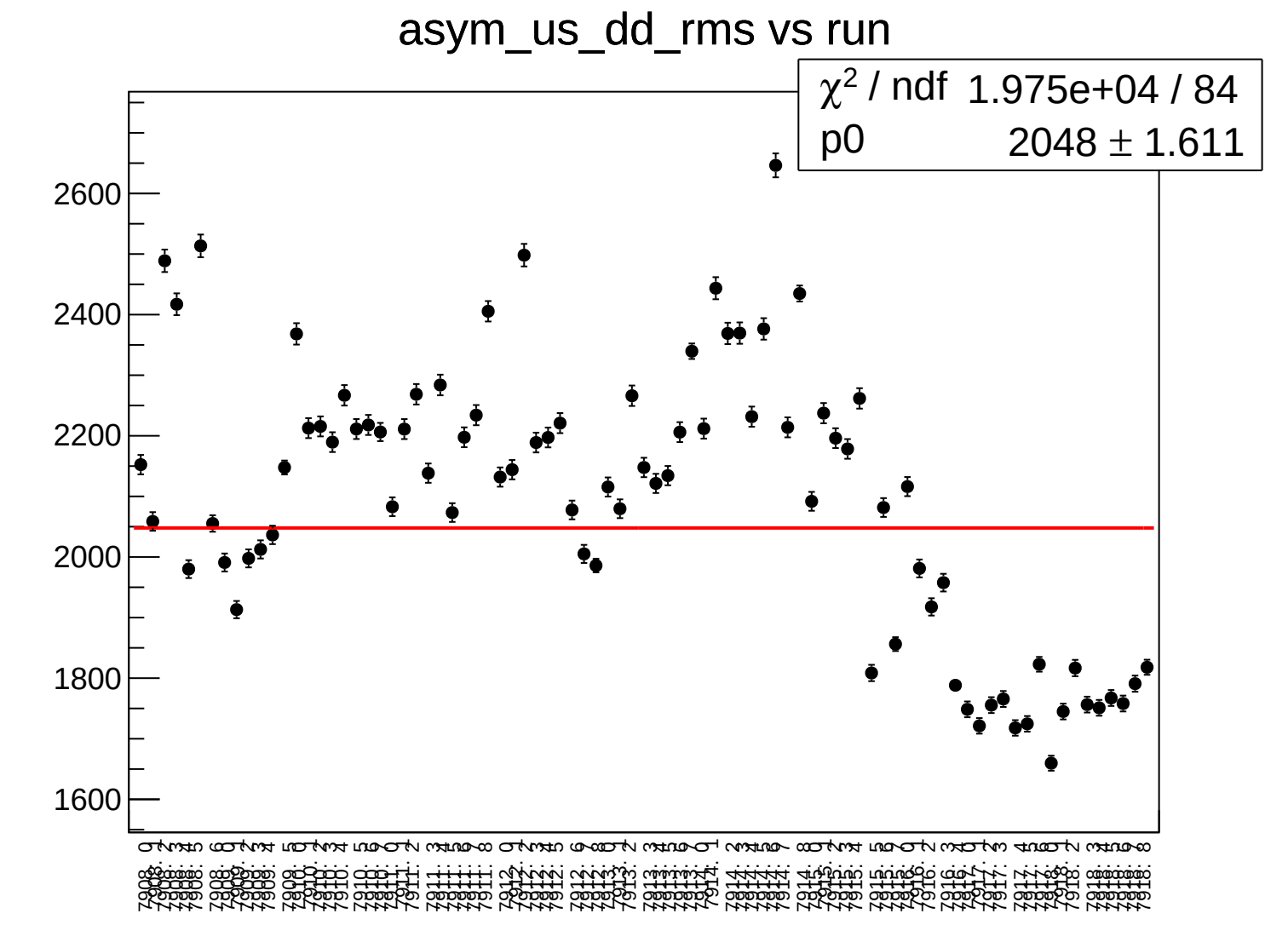

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 103.4 / 84
p0 −1805 ± 2105
pull
Entries 85
Mean −4.192
Std Dev 70.18

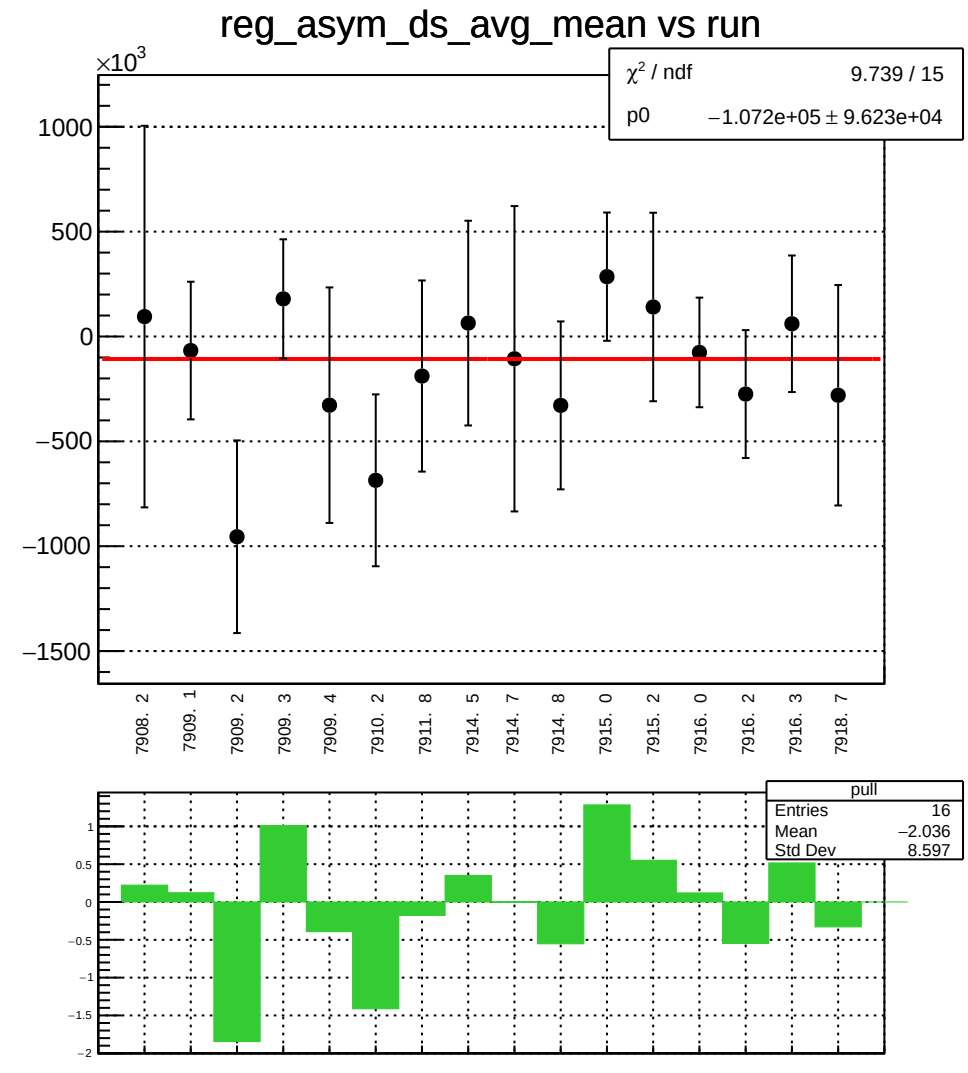

pull1D
Entries 85
Mean 0.01017
Std Dev 1.103

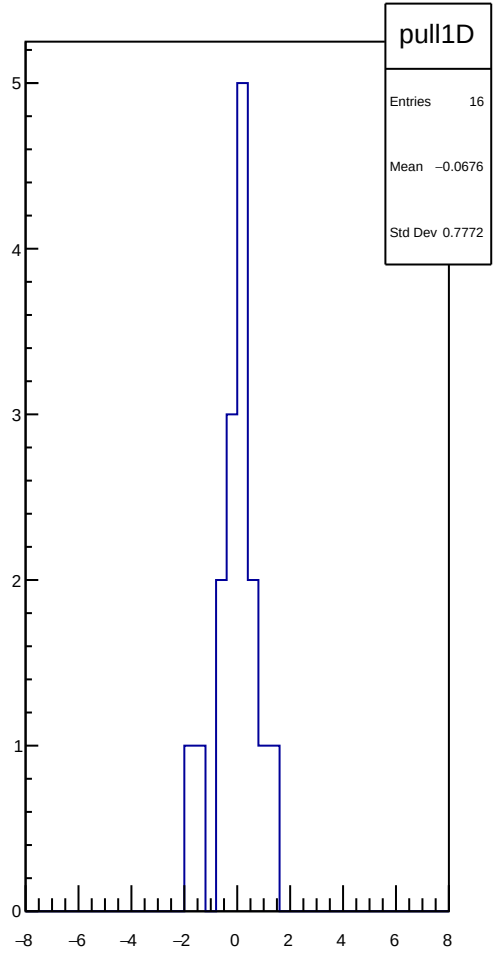

asym_us_dd_correction_rms vs run
χ² / ndf 2.688e+04 / 84
p0 1888 ± 1.488
2600
2400
2200
2000
1800
1600
1400

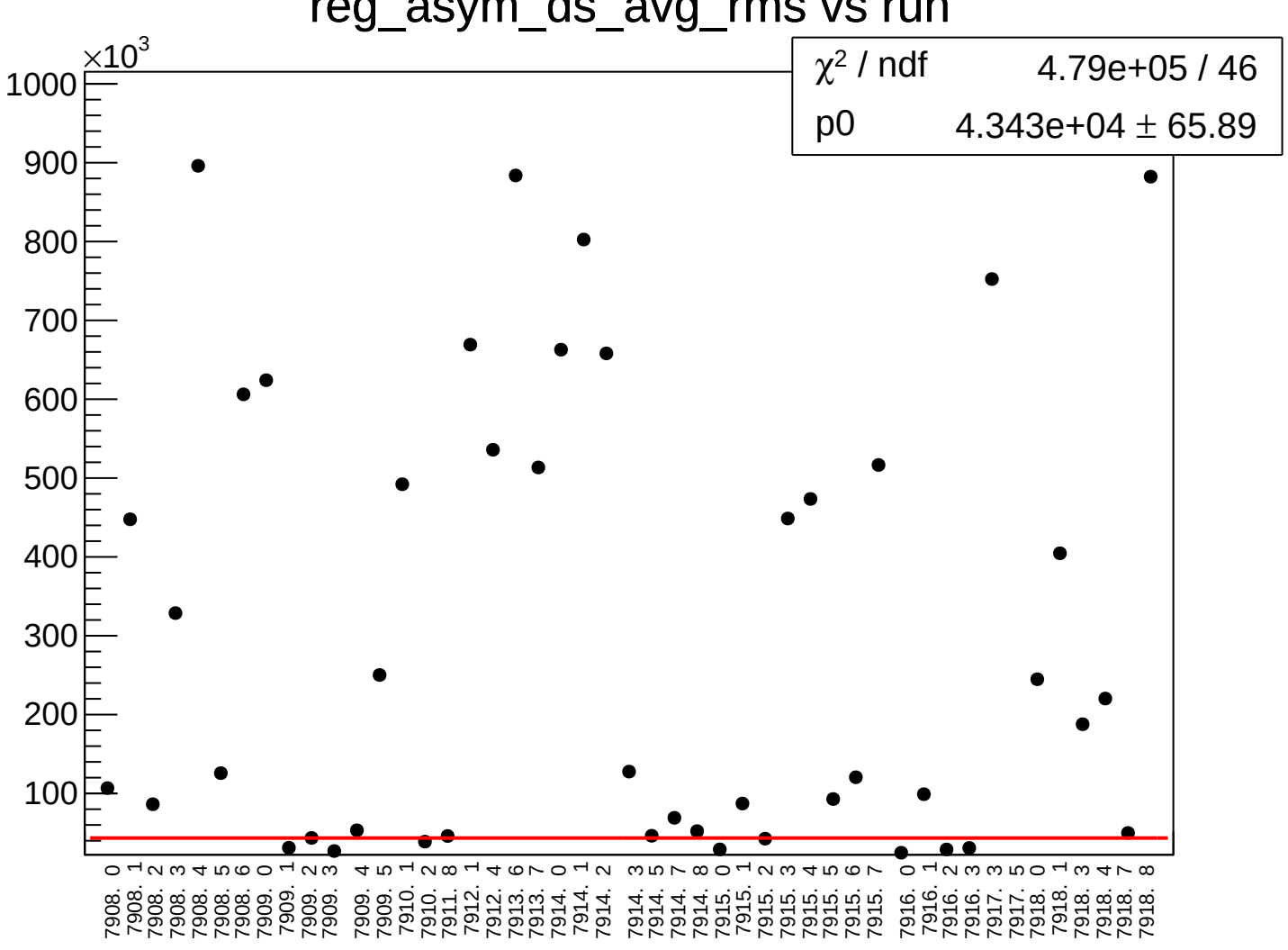

asym_us_dd_mean vs run
χ² / ndf 89.95 / 84
p0 944.4 ± 2278
pull
Entries 85
Mean 240.5
Std Dev 206.1

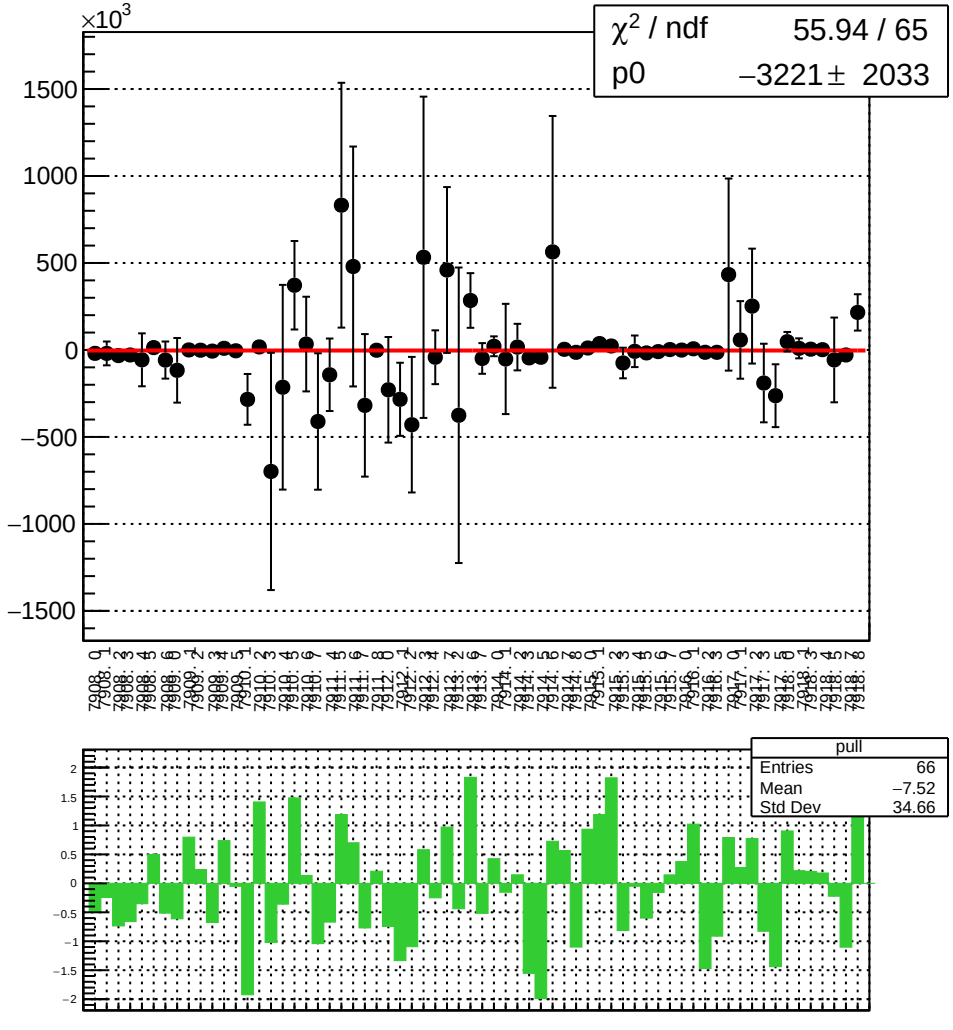

pull1D
Entries 85
Mean −0.002981
Std Dev 1.029

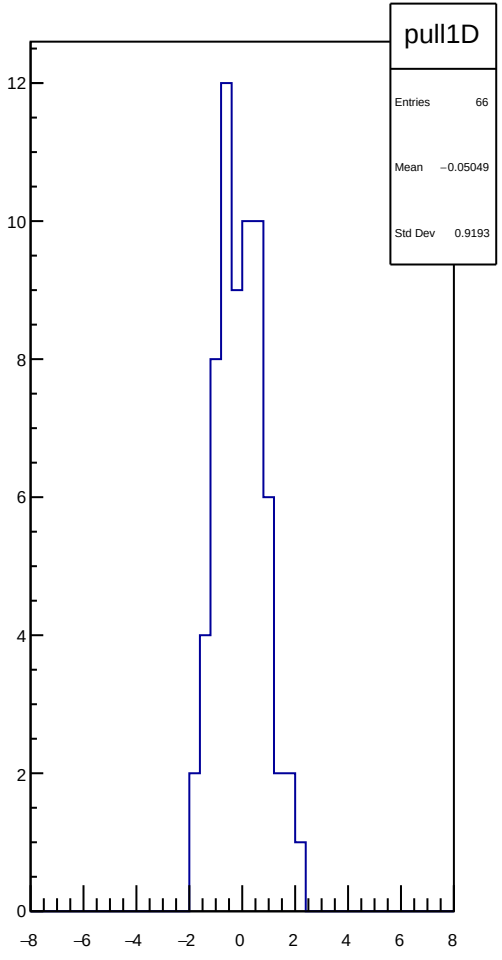

asym_us_dd_rms vs run
χ² / ndf 1.975e+04 / 84
p0 2048 ± 1.611
2600
2400
2200
2000
1800
1600

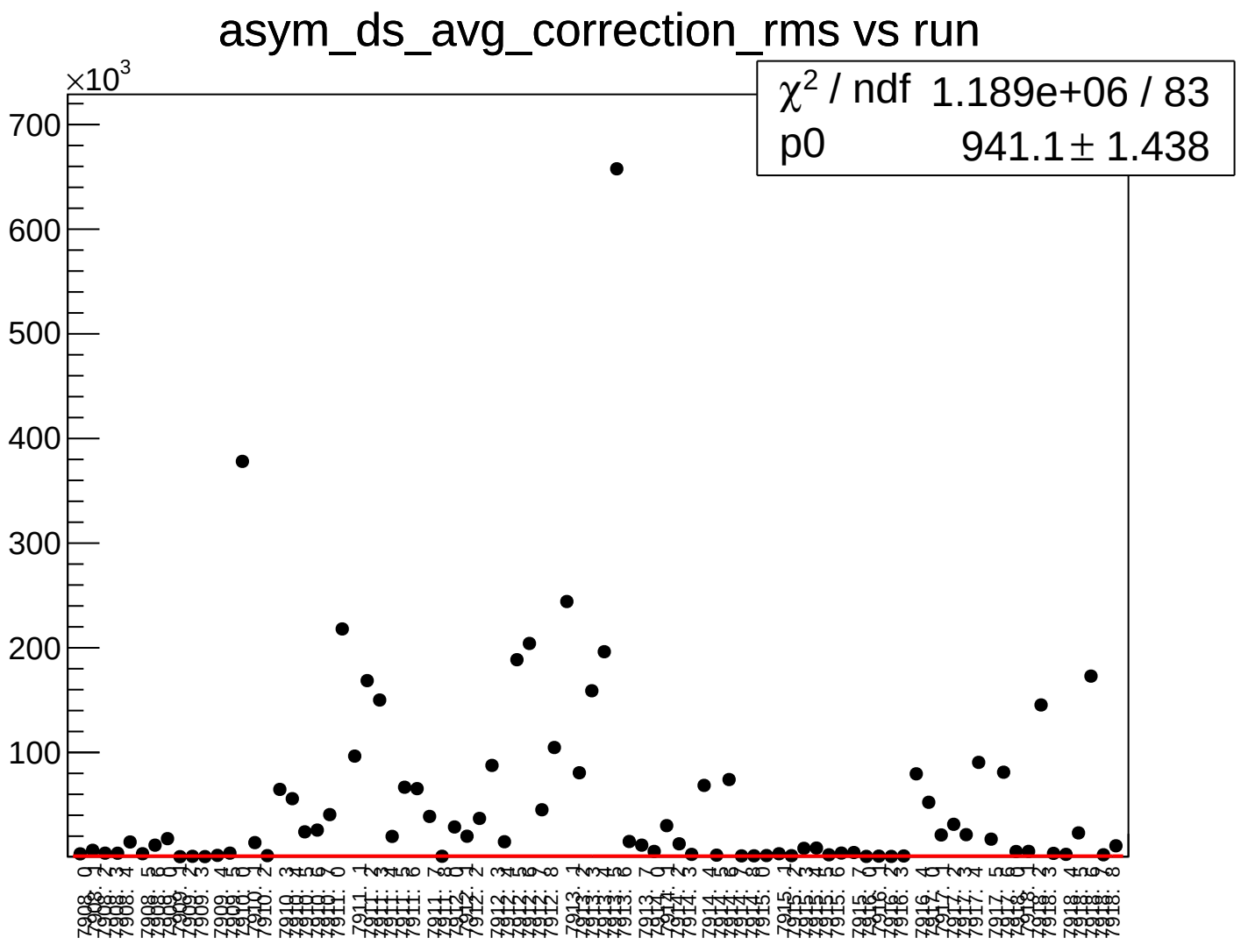

reg_asym_ds_avg_mean vs run
×10^3
χ² / ndf 9.739 / 15
p0 −1.072e+05 ± 9.623e+04
1000
500
0
−500
−1000
−1500
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −2.036
Std Dev 8.597
1
0.5
0
−0.5
−1
−1.5
−2

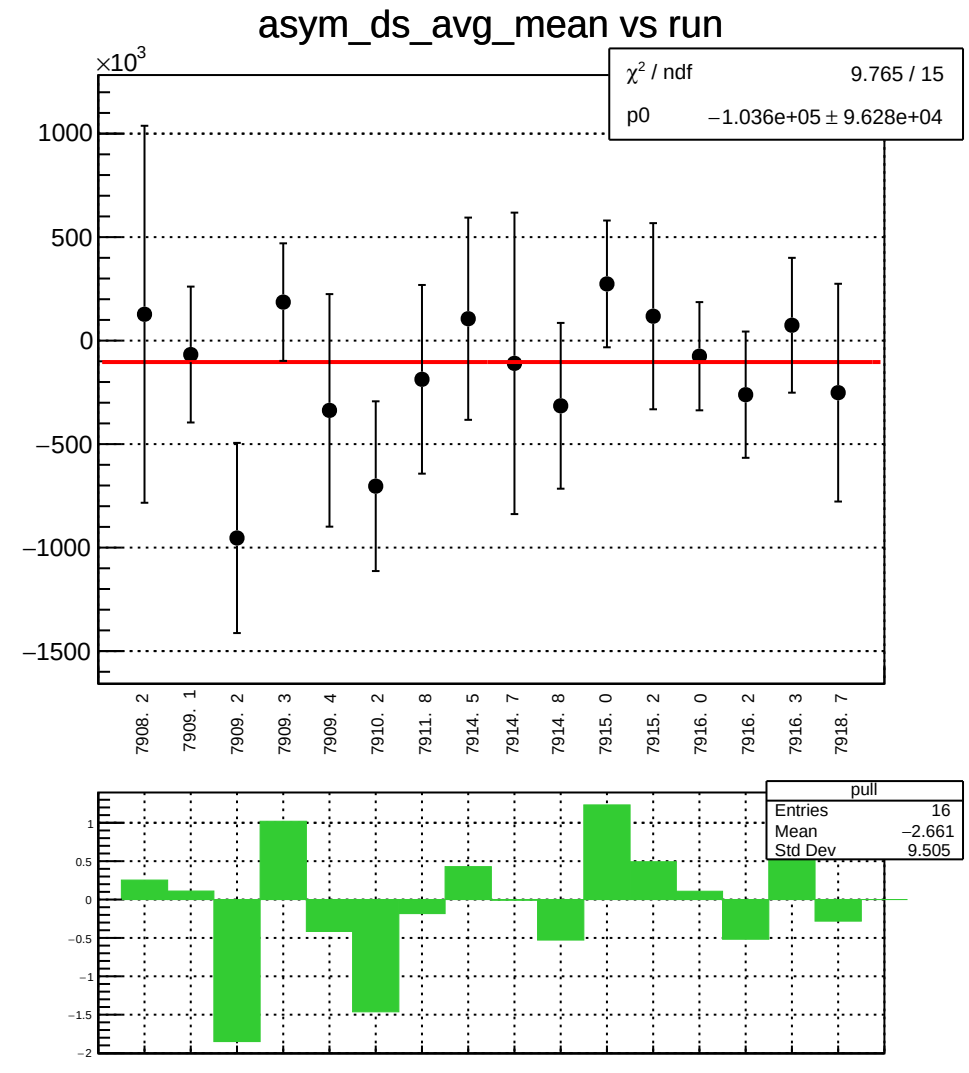

pull1D
Entries 16
Mean −0.0676
Std Dev 0.7772
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

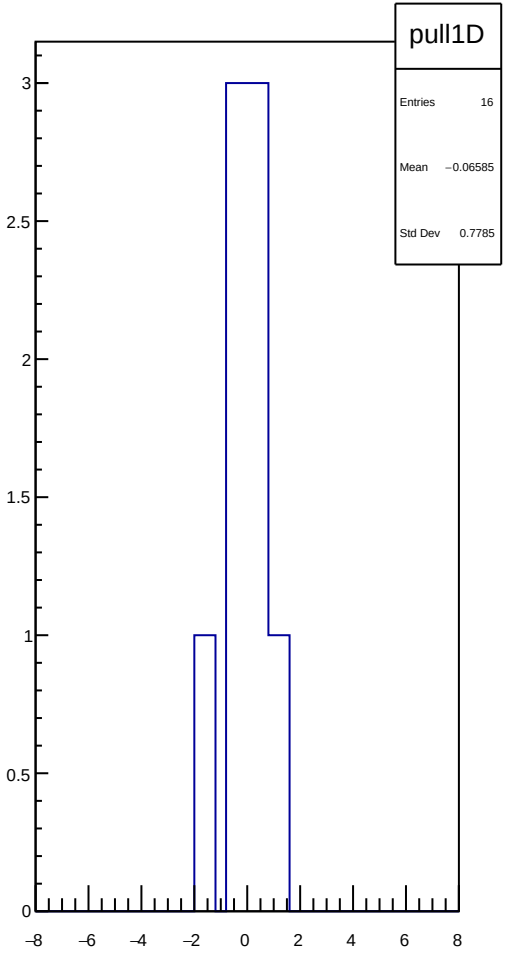

reg_asym_ds_avg_rms vs run
×10^3
1000
900
800
700
600
500
400
300
200
100
χ² / ndf 4.79e+05 / 46
p0 4.343e+04 ± 65.89
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

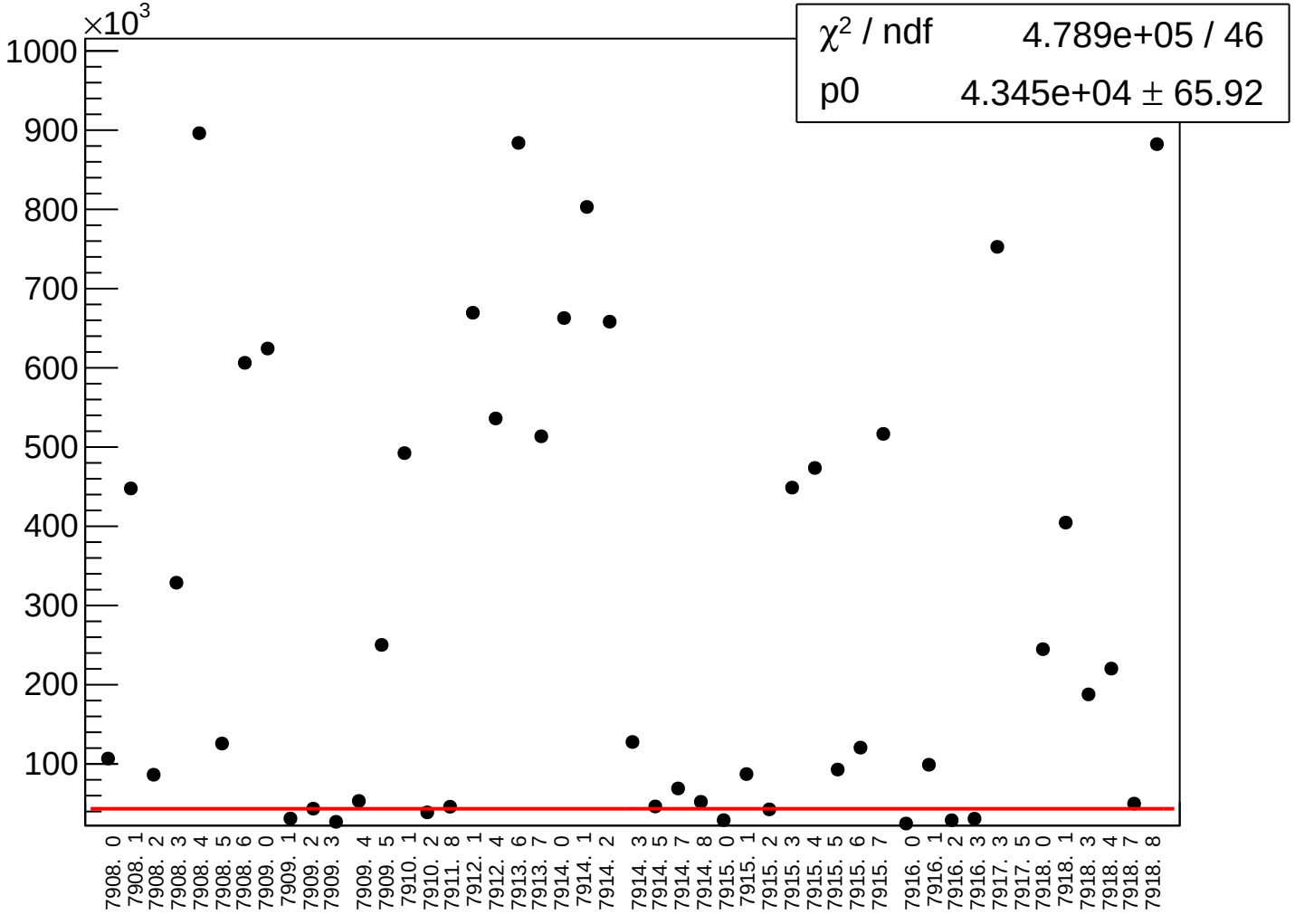

asym_ds_avg_correction_mean vs run
×10^3
χ² / ndf 55.94 / 65
p0 −3221 ± 2033
1500
1000
500
0
−500
−1000
−1500
pull
Entries 66
Mean −7.52
Std Dev 34.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

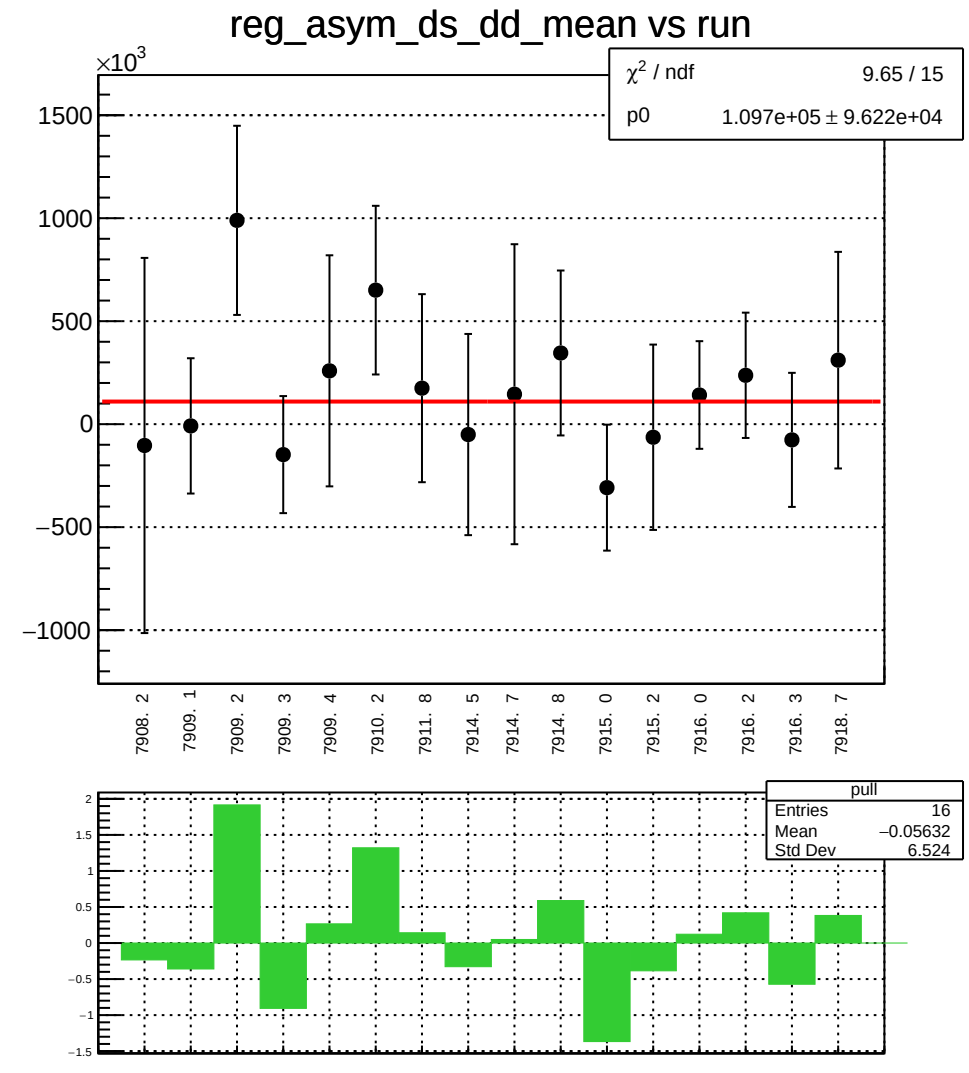

pull1D
Entries 66
Mean −0.05049
Std Dev 0.9193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

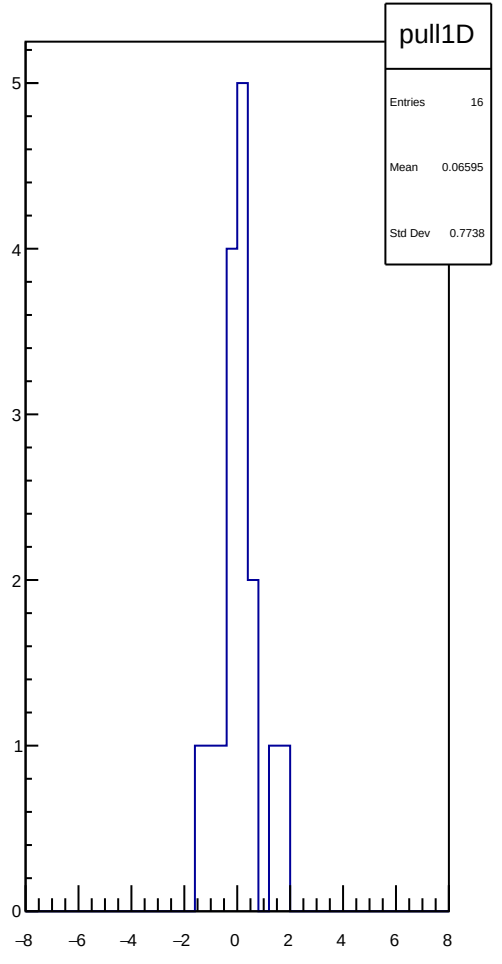

asym_ds_avg_correction_rms vs run
×10^3
700
600
500
400
300
200
100
χ² / ndf 1.189e+06 / 83
p0 941.1 ± 1.438

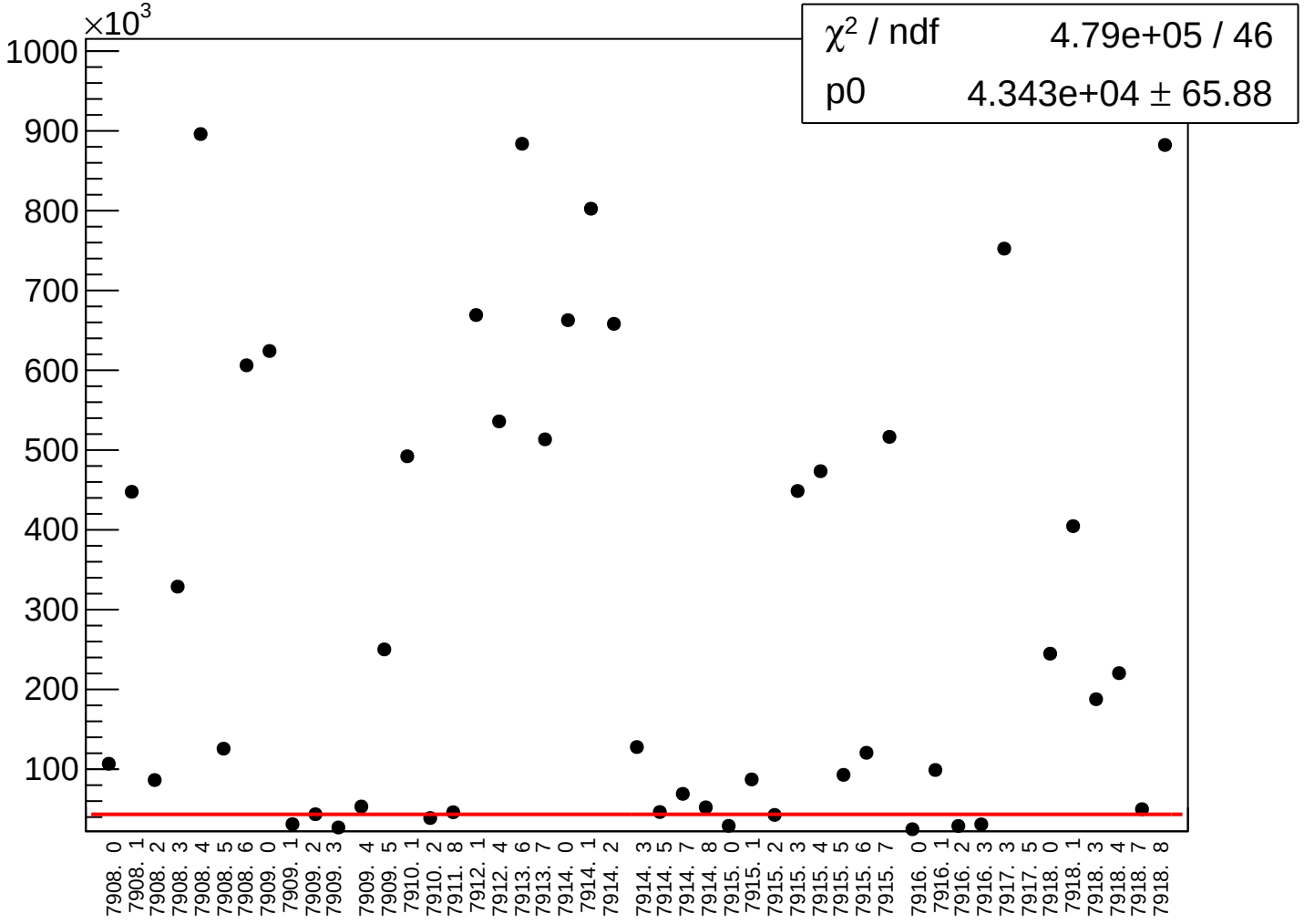

asym_ds_avg_mean vs run
×10^3
χ² / ndf 9.765 / 15
p0 −1.036e+05 ± 9.628e+04
1000
500
0
−500
−1000
−1500
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −2.661
Std Dev 9.505
1
0.5
0
−0.5
−1
−1.5
−2

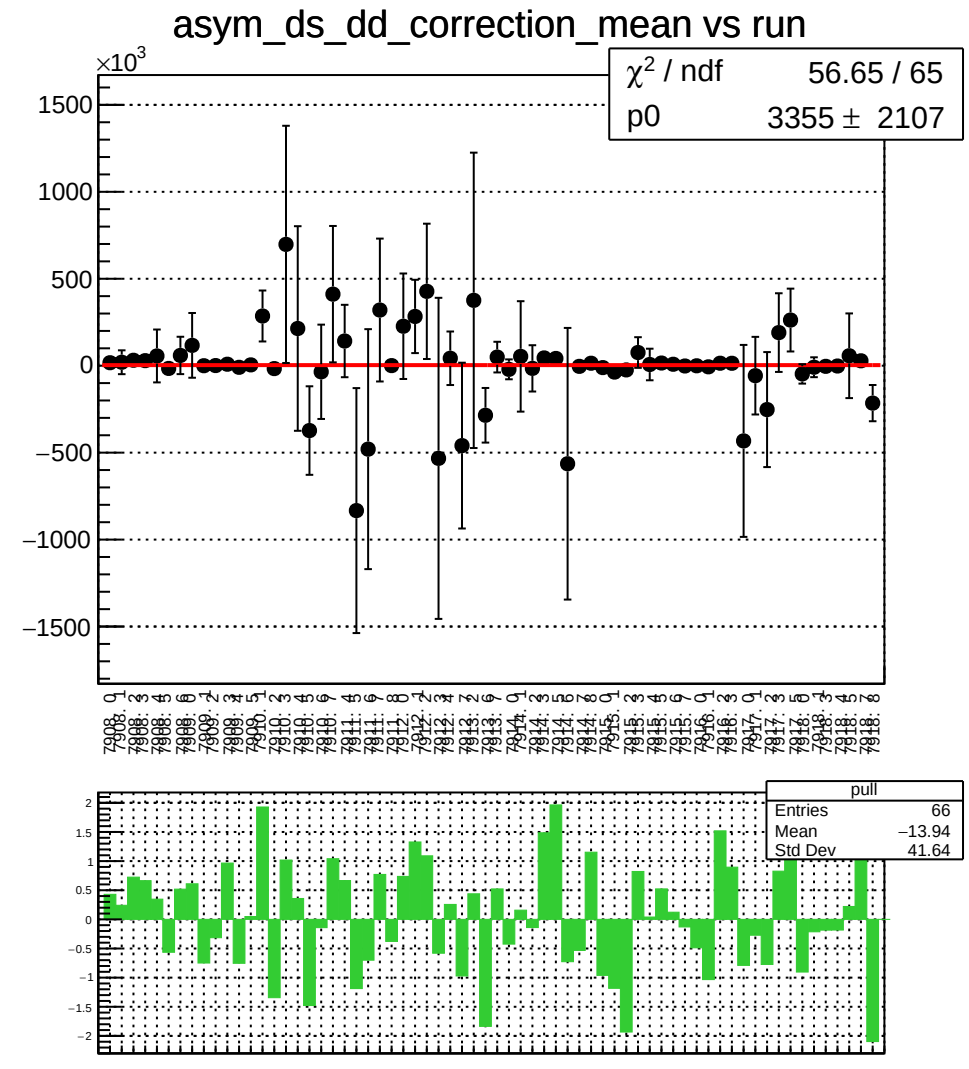

pull1D
Entries 16
Mean −0.06585
Std Dev 0.7785
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

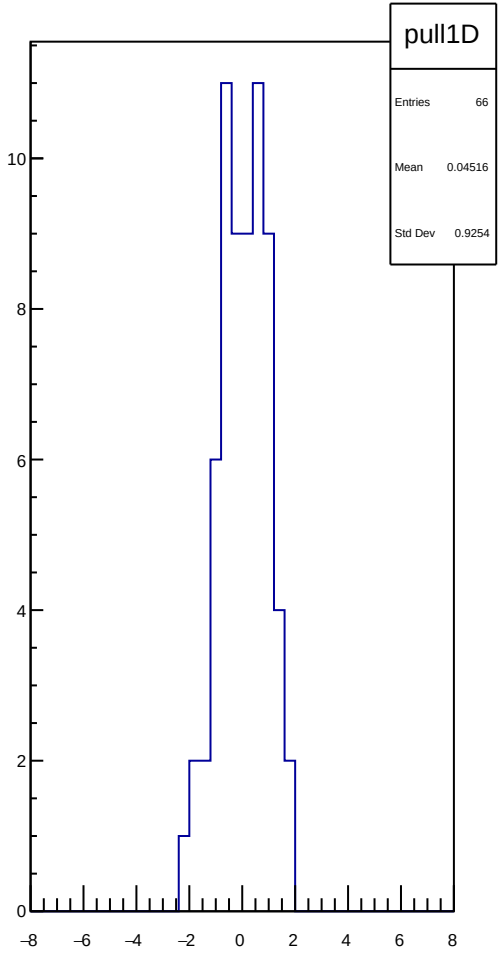

asym_ds_avg_rms vs run
×10^3
1000
900
800
700
600
500
400
300
200
100
χ² / ndf 4.789e+05 / 46
p0 4.345e+04 ± 65.92
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

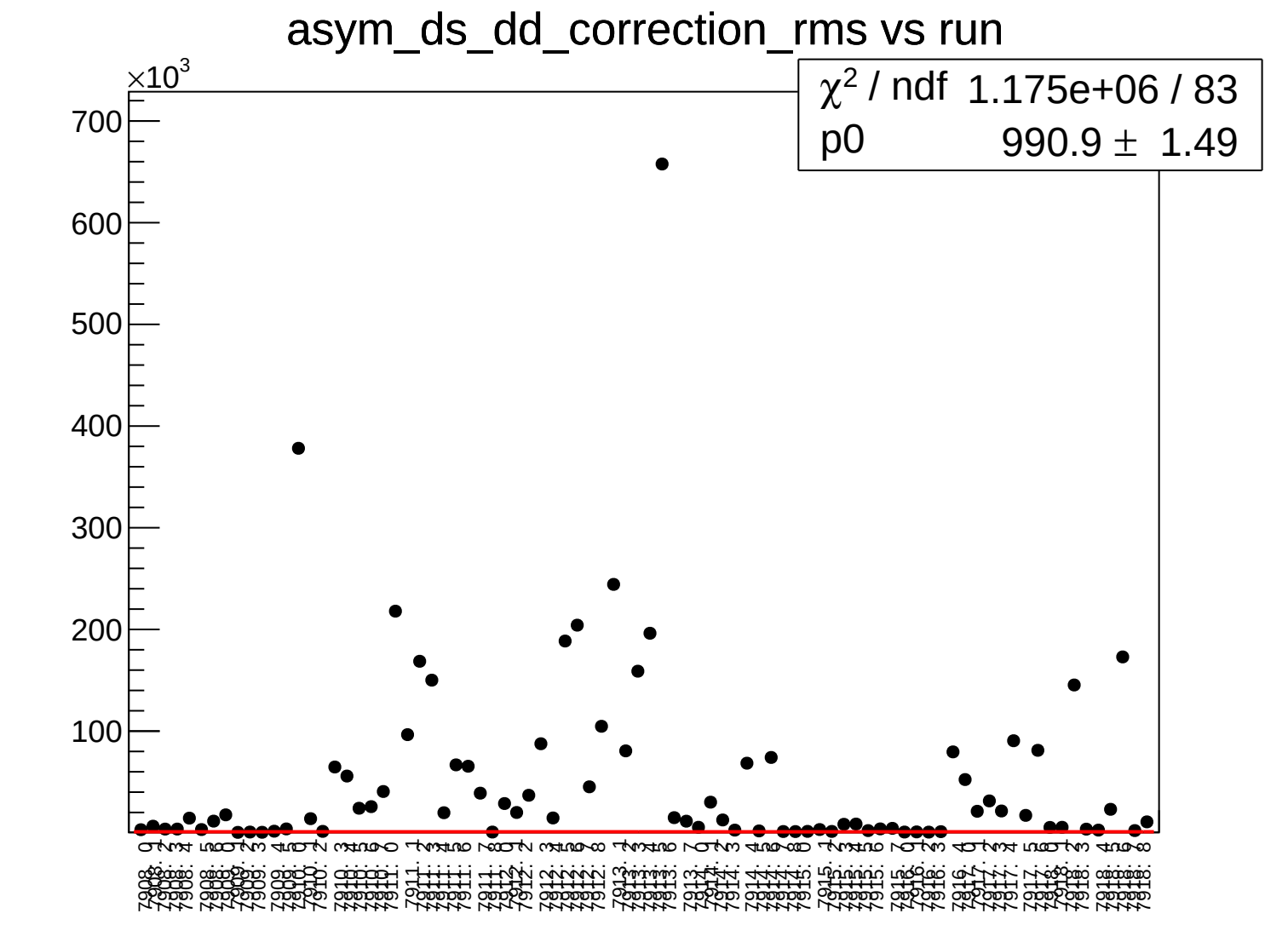

reg_asym_ds_dd_mean vs run
×10^3
χ² / ndf 9.65 / 15
p0 1.097e+05 ± 9.622e+04
1500
1000
500
0
−500
−1000
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −0.05632
Std Dev 6.524
2
1.5
1
0.5
0
−0.5
−1
−1.5

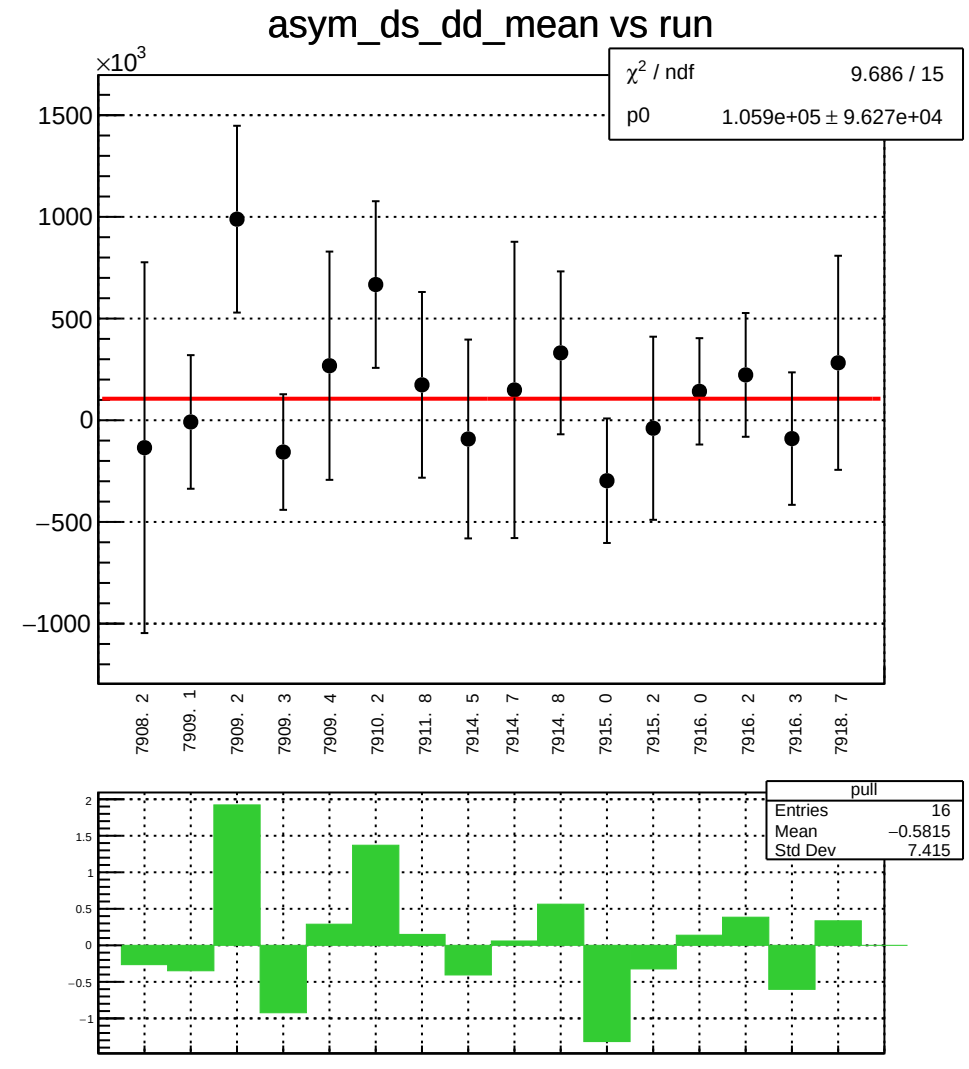

pull1D
Entries 16
Mean 0.06595
Std Dev 0.7738
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

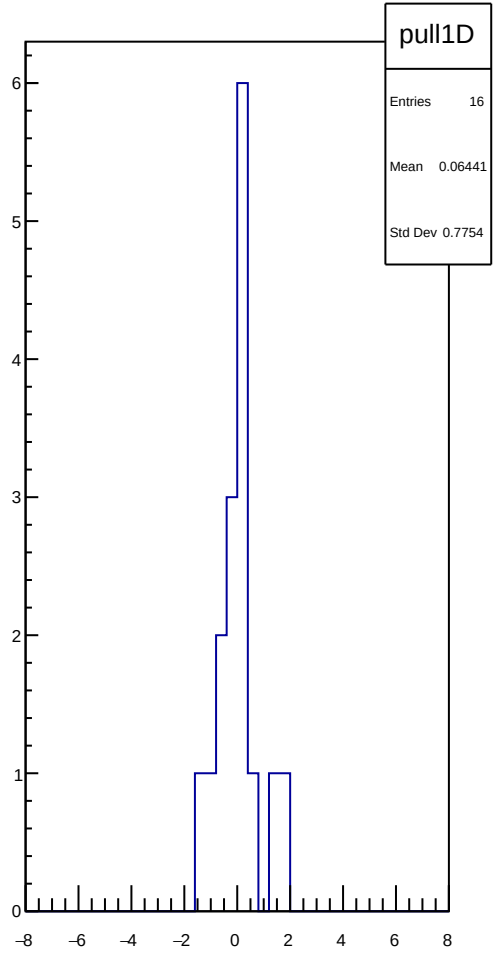

reg_asym_ds_dd_rms vs run
×10^3
χ² / ndf 4.79e+05 / 46
p0 4.343e+04 ± 65.88
1000
900
800
700
600
500
400
300
200
100
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

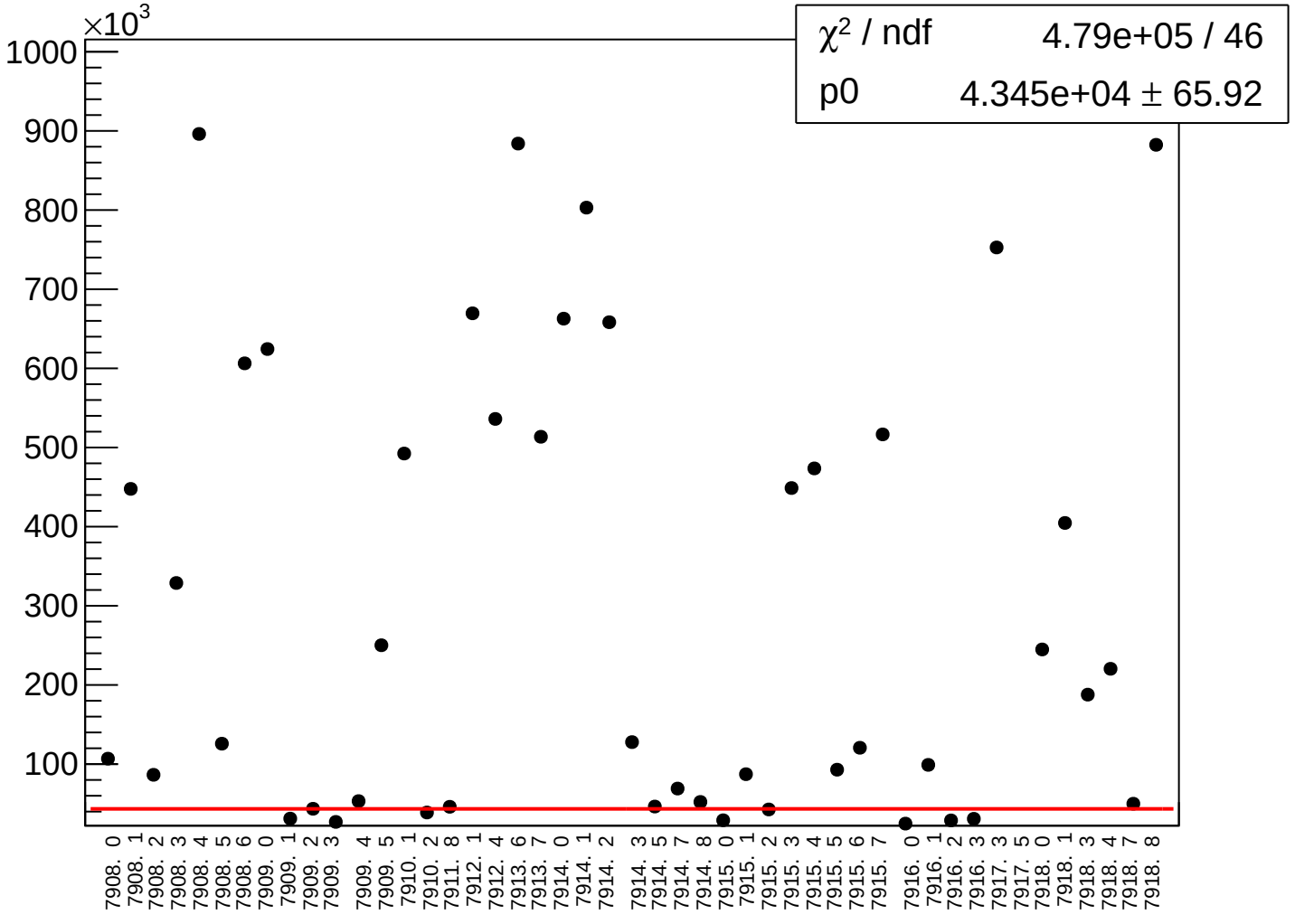

asym_ds_dd_correction_mean vs run
×10^3
χ² / ndf 56.65 / 65
p0 3355 ± 2107
pull
Entries 66
Mean −13.94
Std Dev 41.64

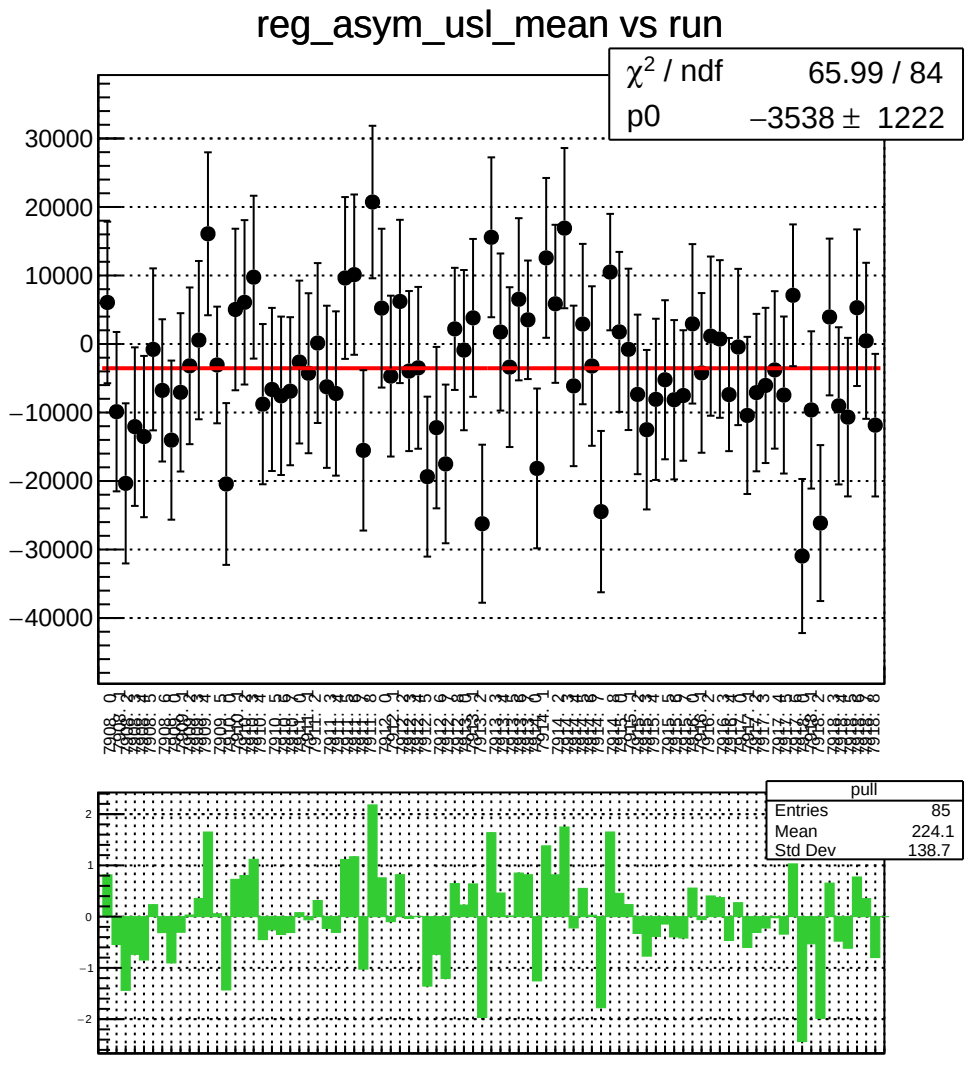

pull1D
Entries 66
Mean 0.04516
Std Dev 0.9254

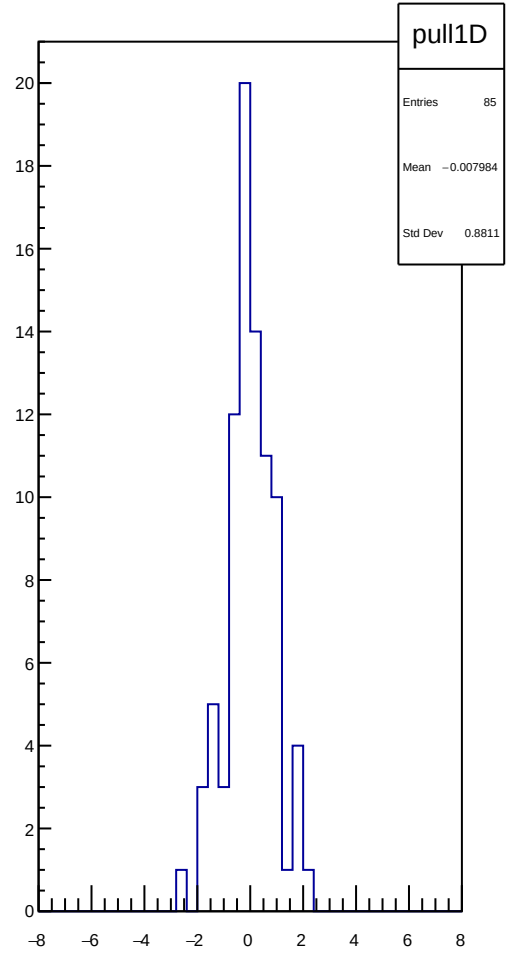

asym_ds_dd_correction_rms vs run
×10^3
700
600
500
400
300
200
100
χ² / ndf 1.175e+06 / 83
p0 990.9 ± 1.49

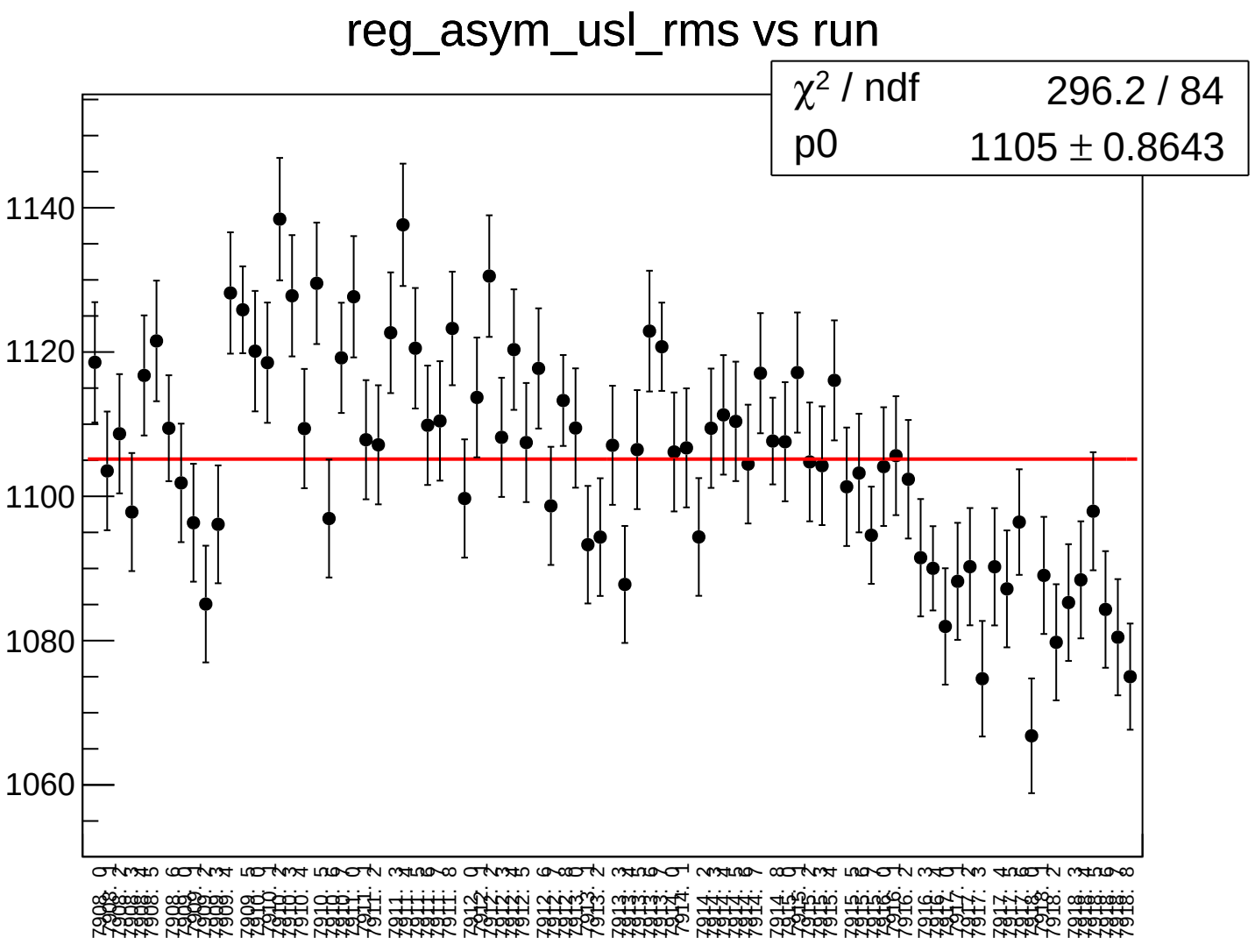

asym_ds_dd_mean vs run
×10^3
χ² / ndf 9.686 / 15
p0 1.059e+05 ± 9.627e+04
1500
1000
500
0
−500
−1000
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −0.5815
Std Dev 7.415
2
1.5
1
0.5
0
−0.5
−1

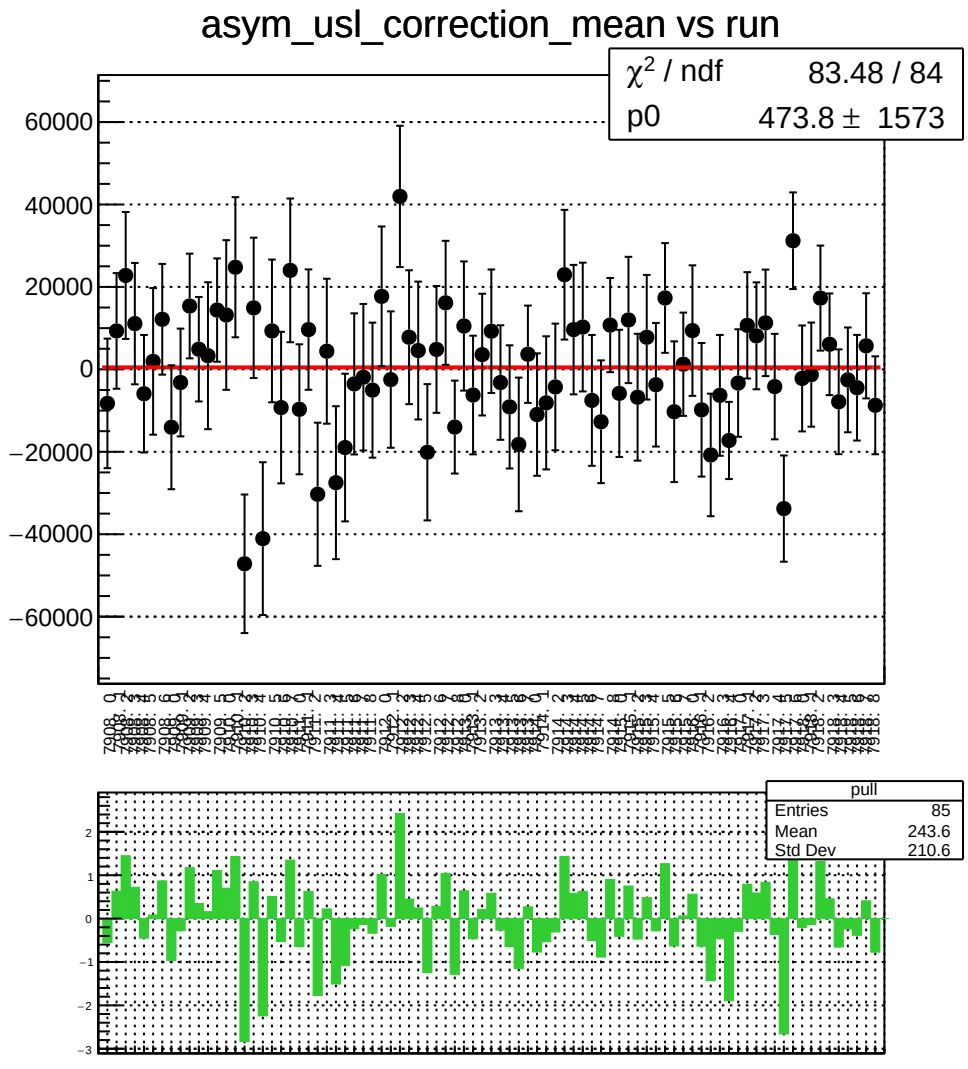

pull1D
Entries 16
Mean 0.06441
Std Dev 0.7754
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

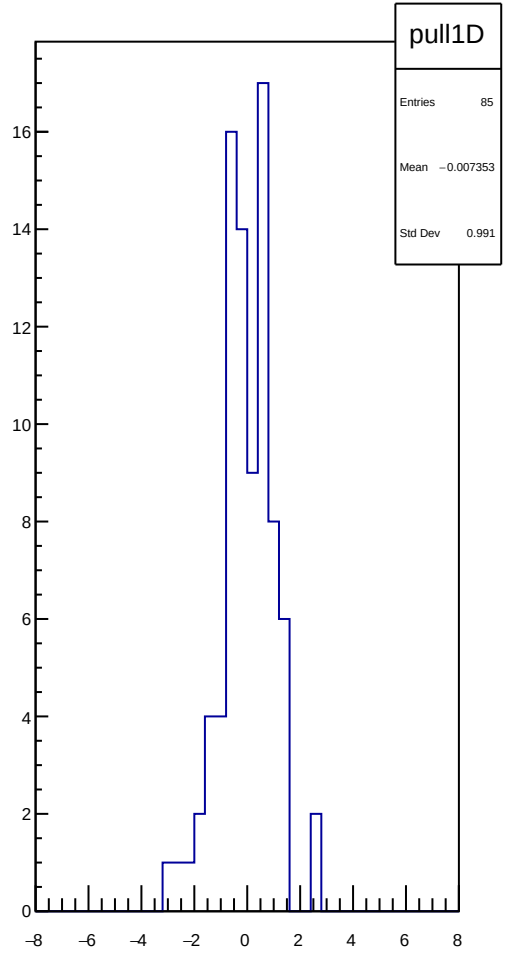

asym_ds_dd_rms vs run
×10^3
χ² / ndf 4.79e+05 / 46
p0 4.345e+04 ± 65.92
1000
900
800
700
600
500
400
300
200
100
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

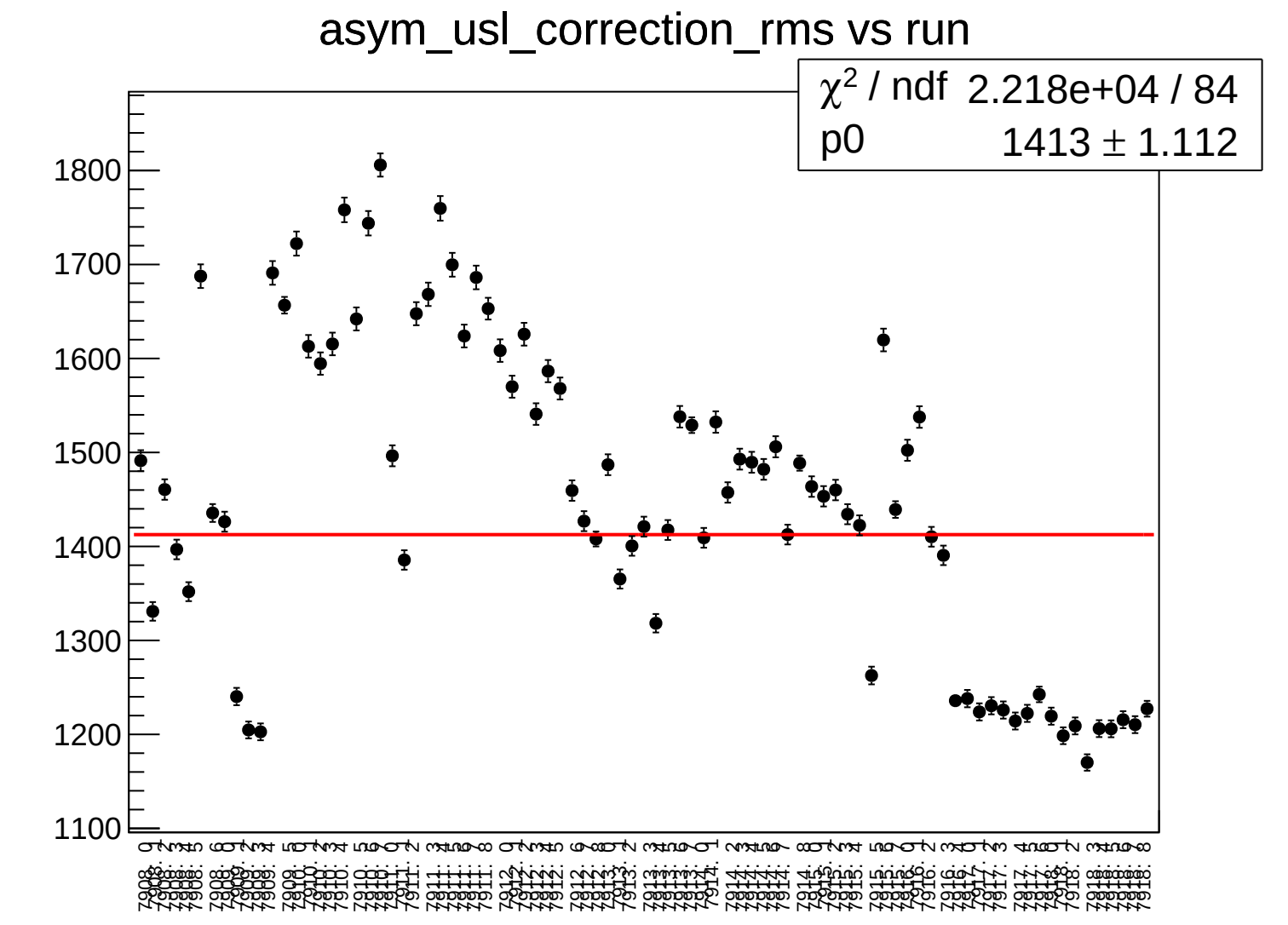

reg_asym_usl_mean vs run
χ² / ndf 65.99 / 84
p0 −3538 ± 1222
pull
Entries 85
Mean 224.1
Std Dev 138.7

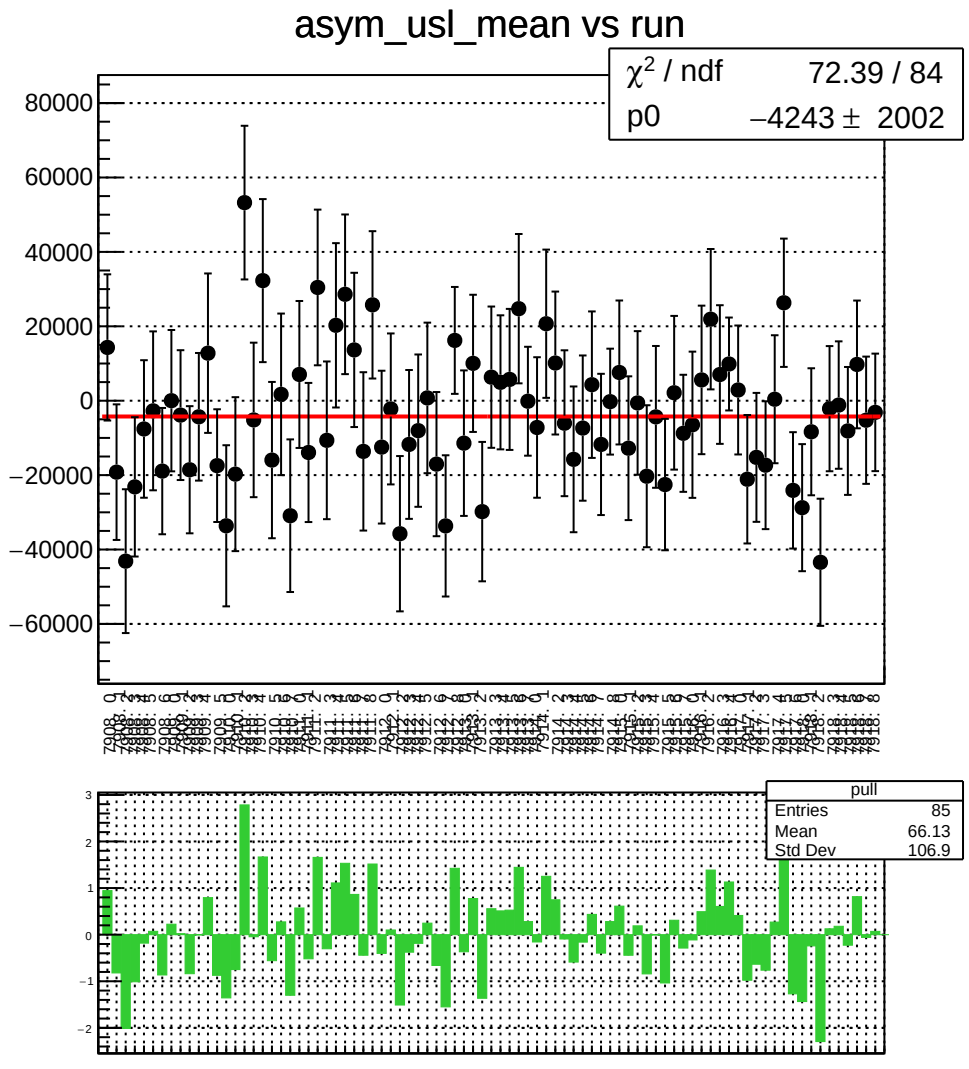

pull1D
Entries 85
Mean −0.007984
Std Dev 0.8811

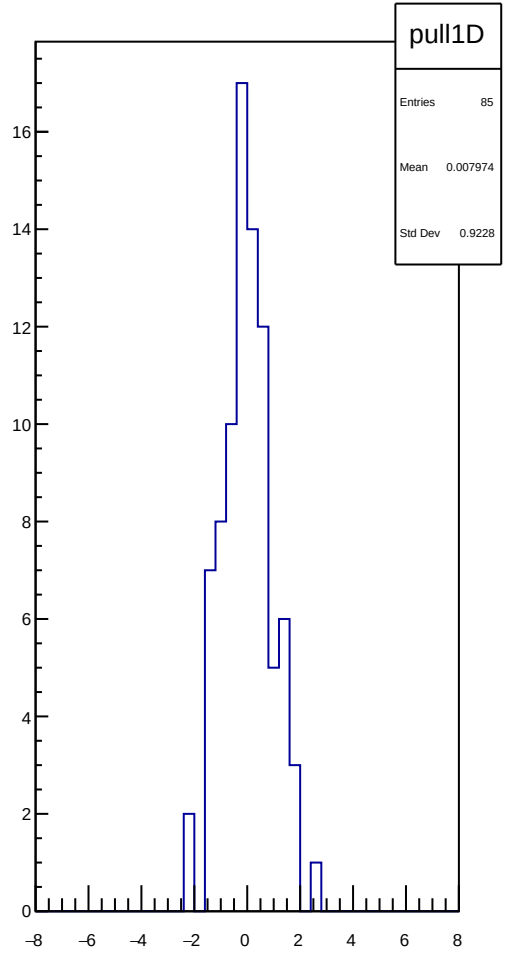

reg_asym_usl_rms vs run
χ² / ndf 296.2 / 84
p0 1105 ± 0.8643
1140
1120
1100
1080
1060

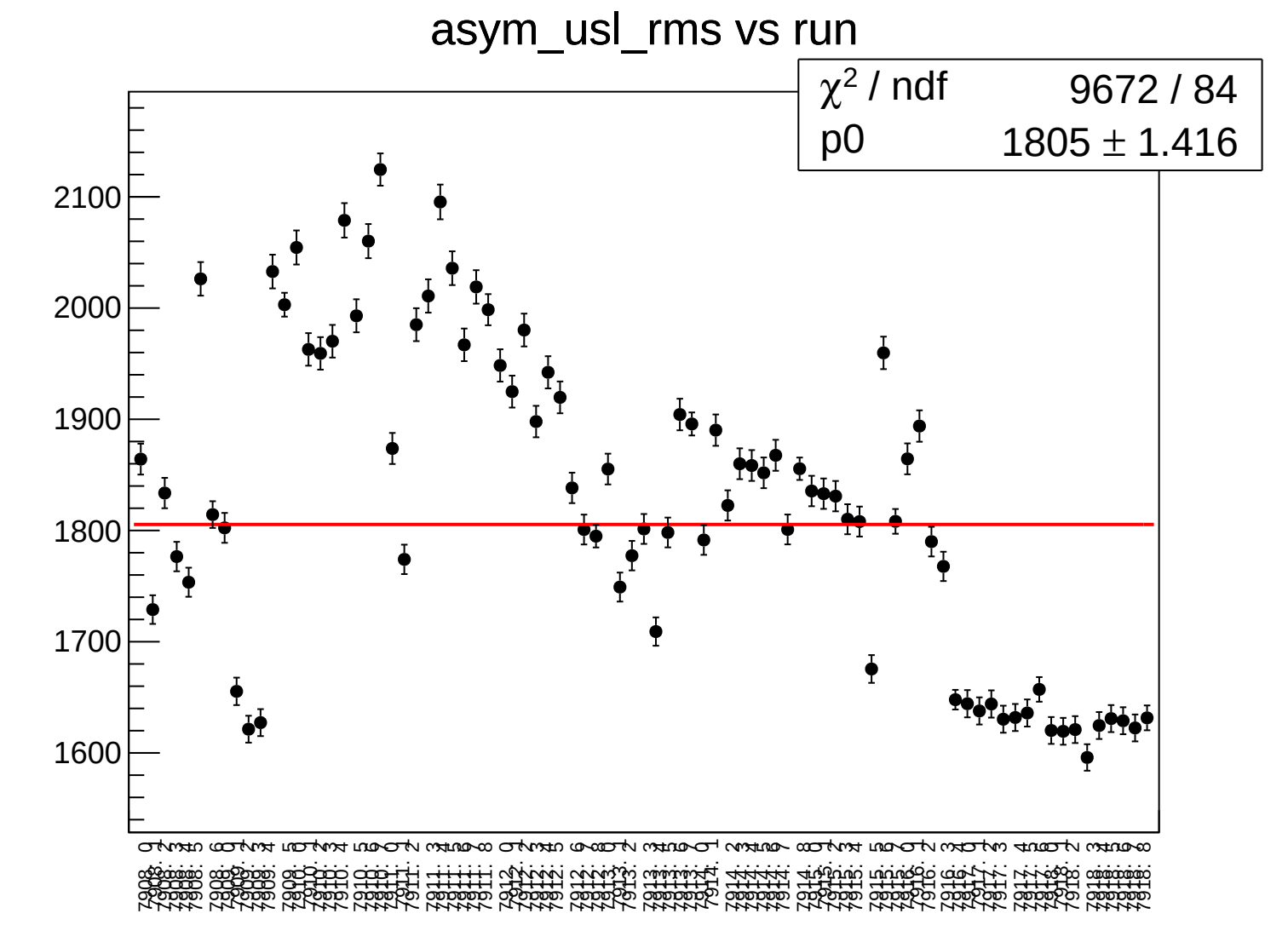

asym_usl_correction_mean vs run
χ² / ndf 83.48 / 84
p0 473.8 ± 1573
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 243.6
Std Dev 210.6
2
1
0
−1
−2
−3

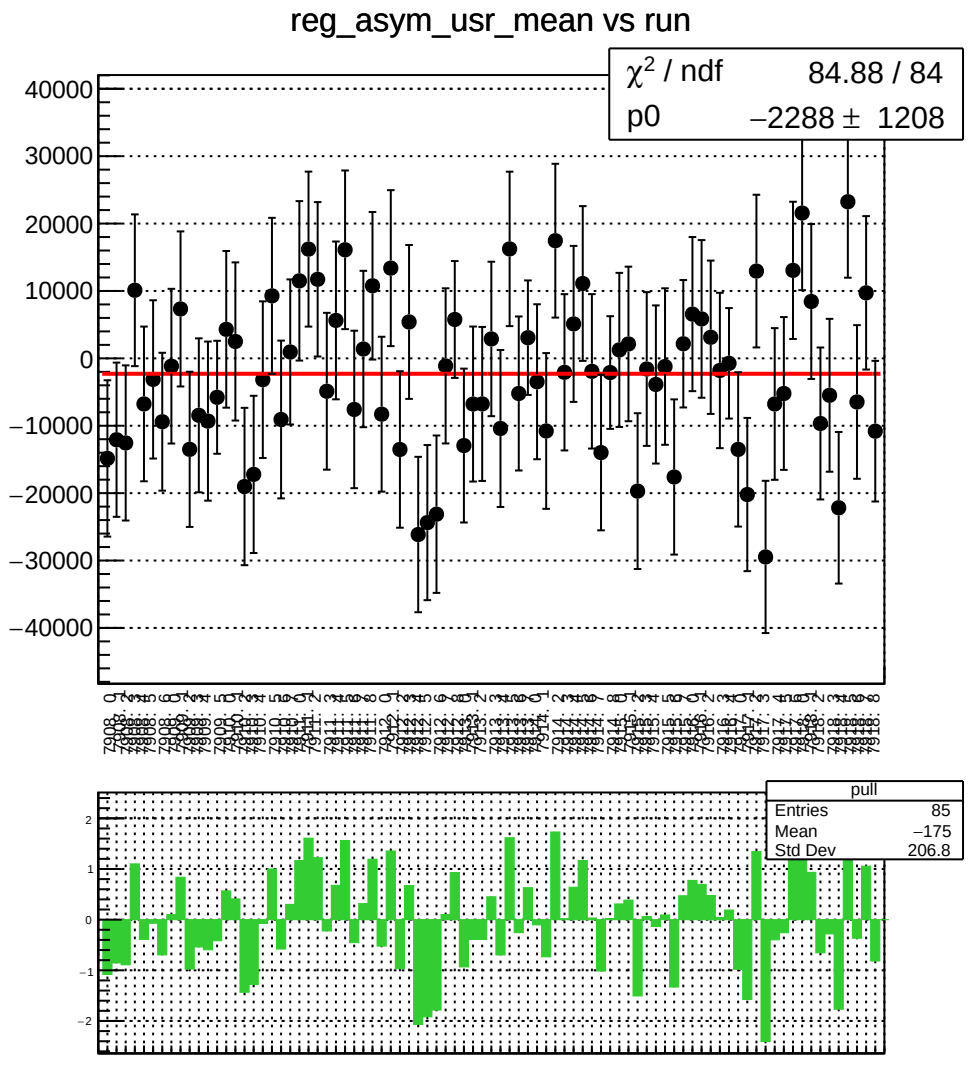

pull1D
Entries 85
Mean −0.007353
Std Dev 0.991
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

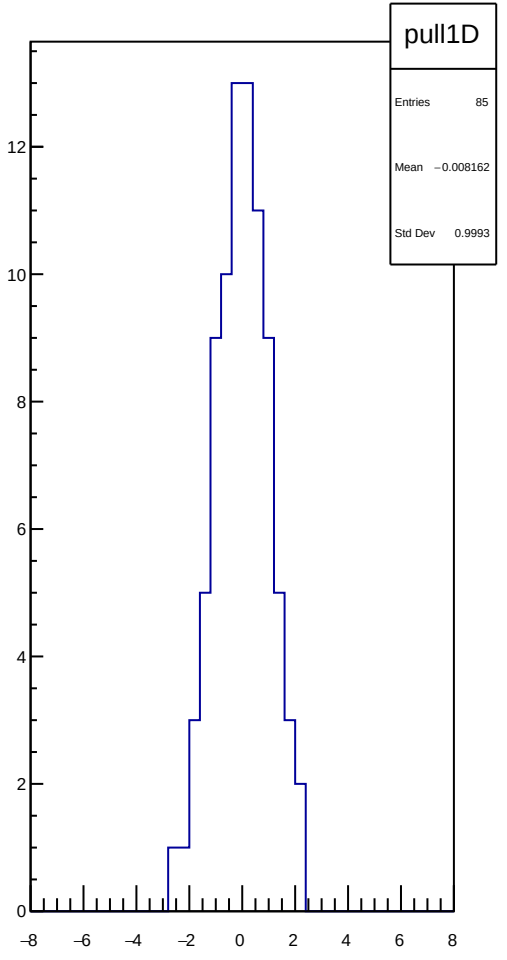

asym_usl_correction_rms vs run
χ² / ndf 2.218e+04 / 84
p0 1413 ± 1.112
1800
1700
1600
1500
1400
1300
1200
1100

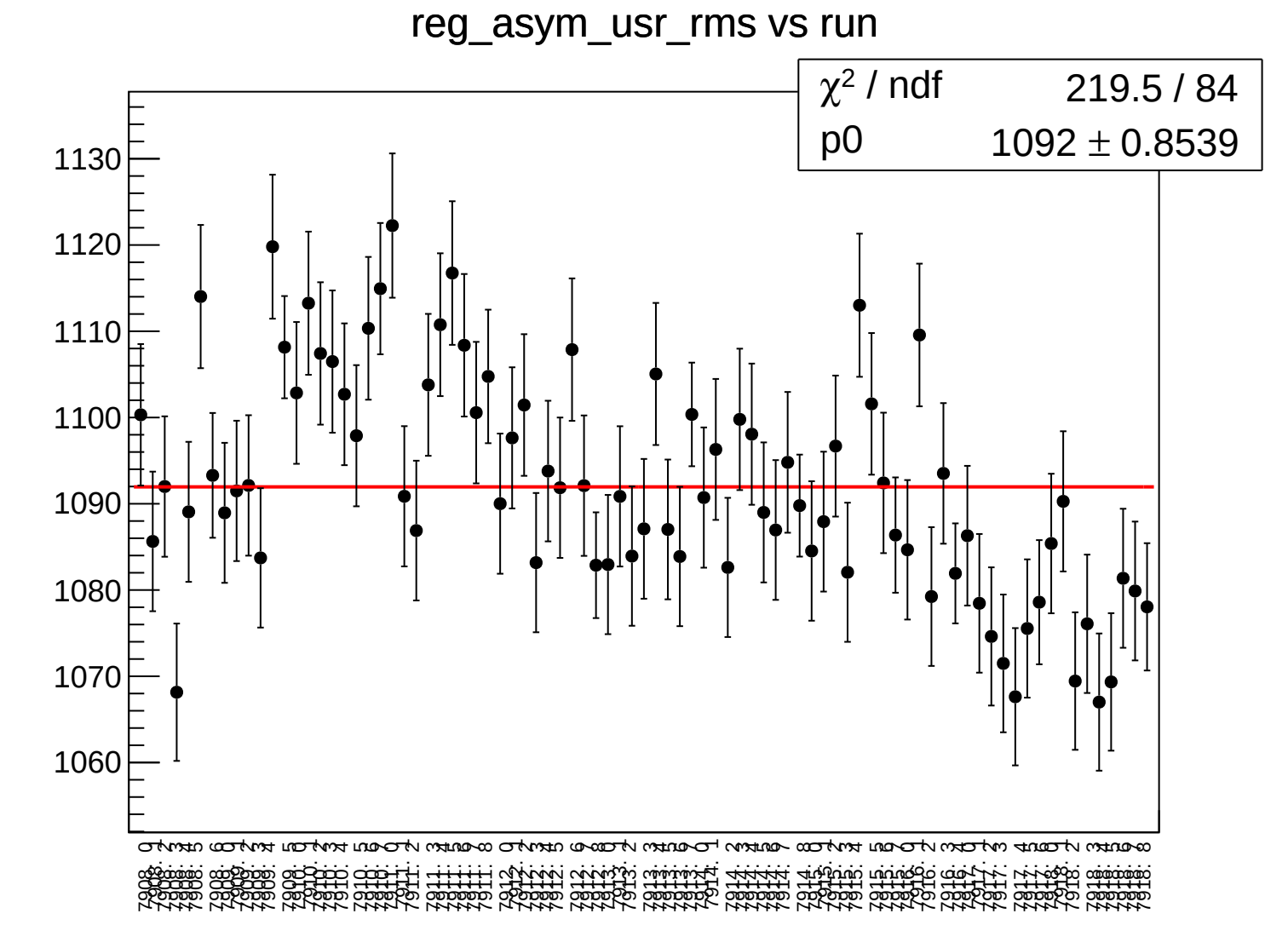

asym_usl_mean vs run
χ² / ndf 72.39 / 84
p0 −4243 ± 2002
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 66.13
Std Dev 106.9
3
2
1
0
−1
−2

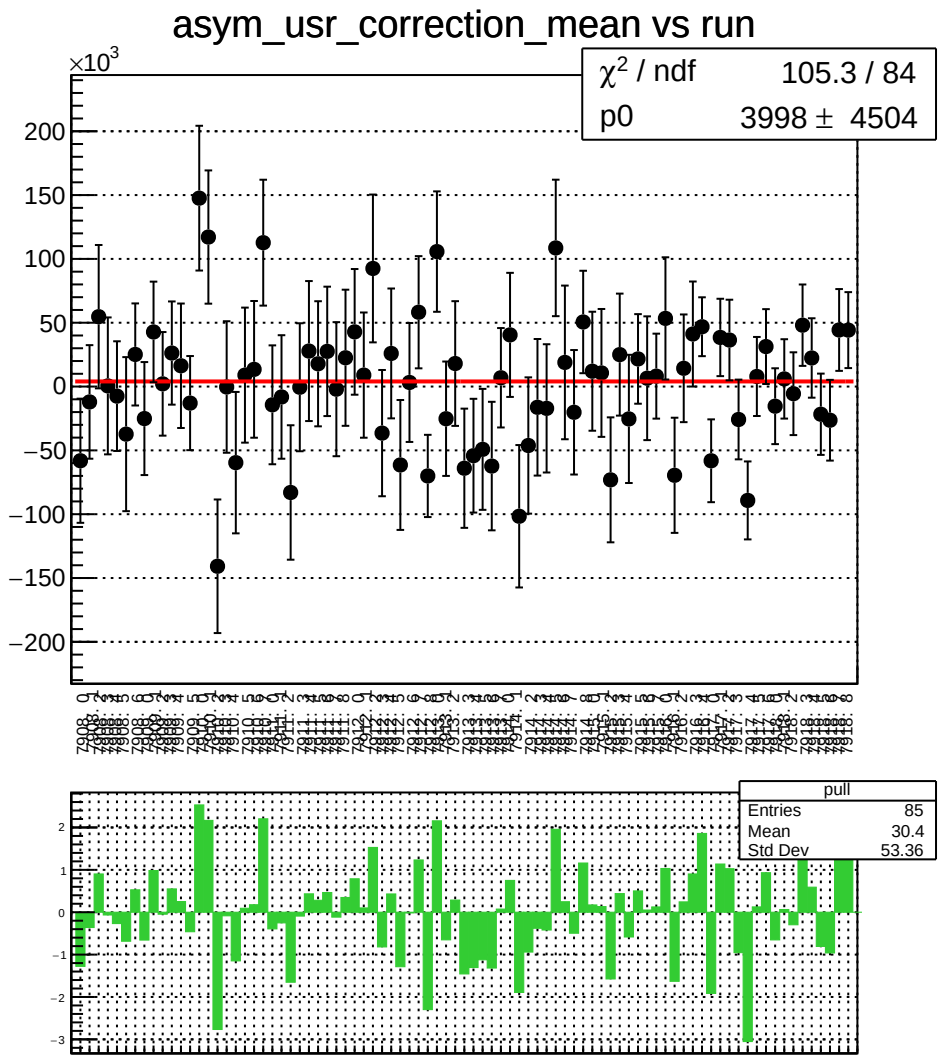

pull1D
Entries 85
Mean 0.007974
Std Dev 0.9228
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

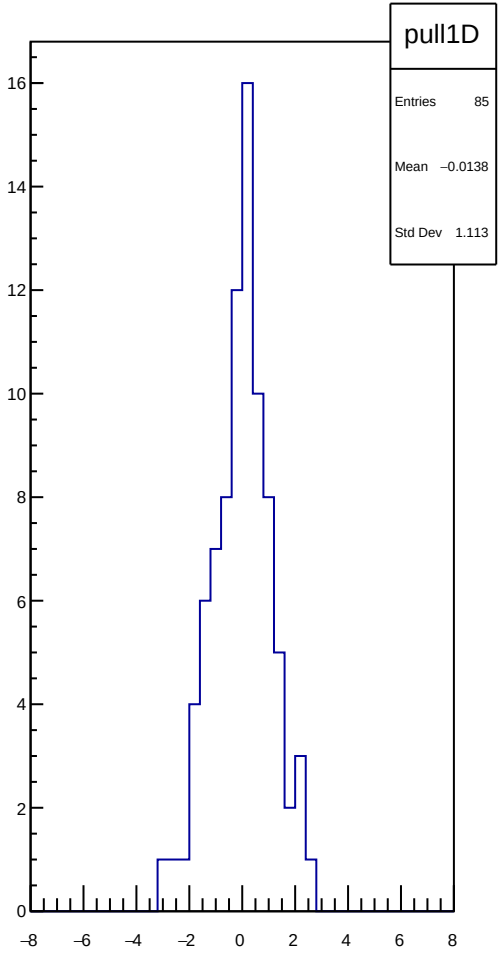

asym_usl_rms vs run
χ² / ndf 9672 / 84
p0 1805 ± 1.416
2100
2000
1900
1800
1700
1600

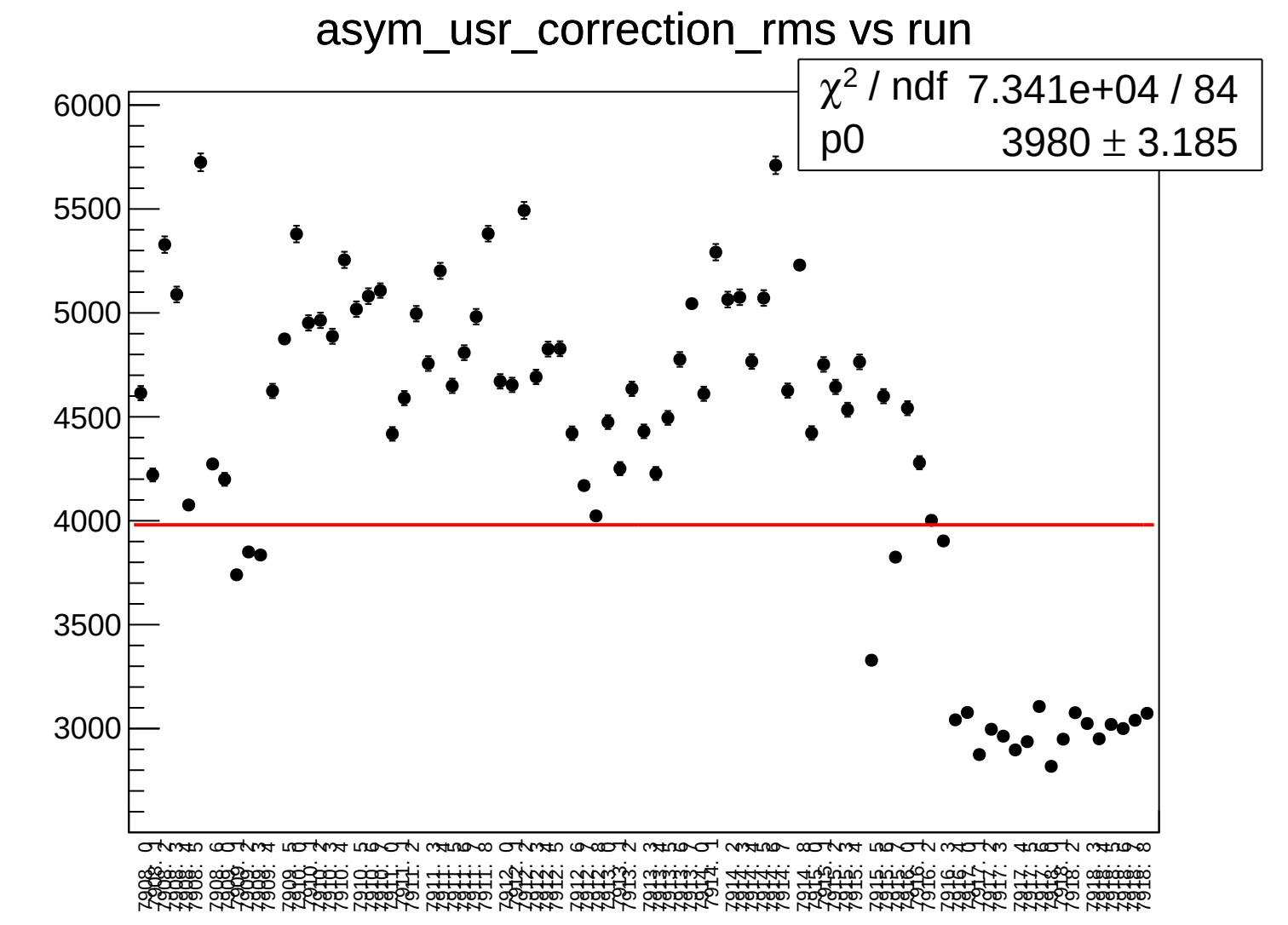

reg_asym_usr_mean vs run
χ² / ndf 84.88 / 84
p0 −2288 ± 1208
pull
Entries 85
Mean −175
Std Dev 206.8

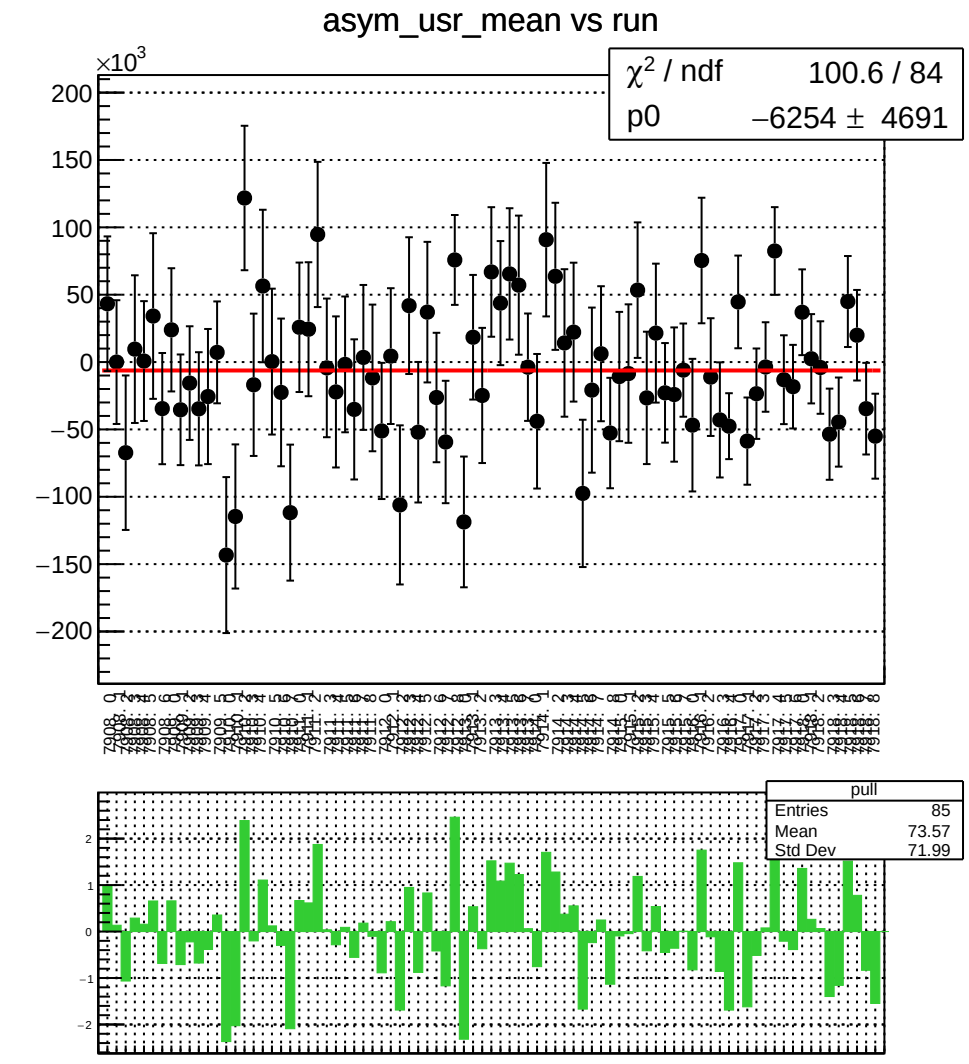

pull1D
Entries 85
Mean −0.008162
Std Dev 0.9993

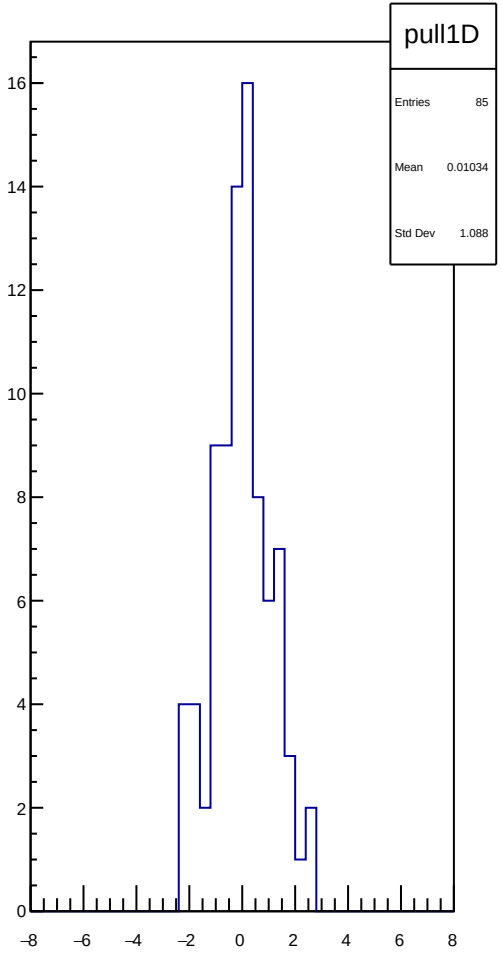

reg_asym_usr_rms vs run
χ² / ndf 219.5 / 84
p0 1092 ± 0.8539
1130
1120
1110
1100
1090
1080
1070
1060

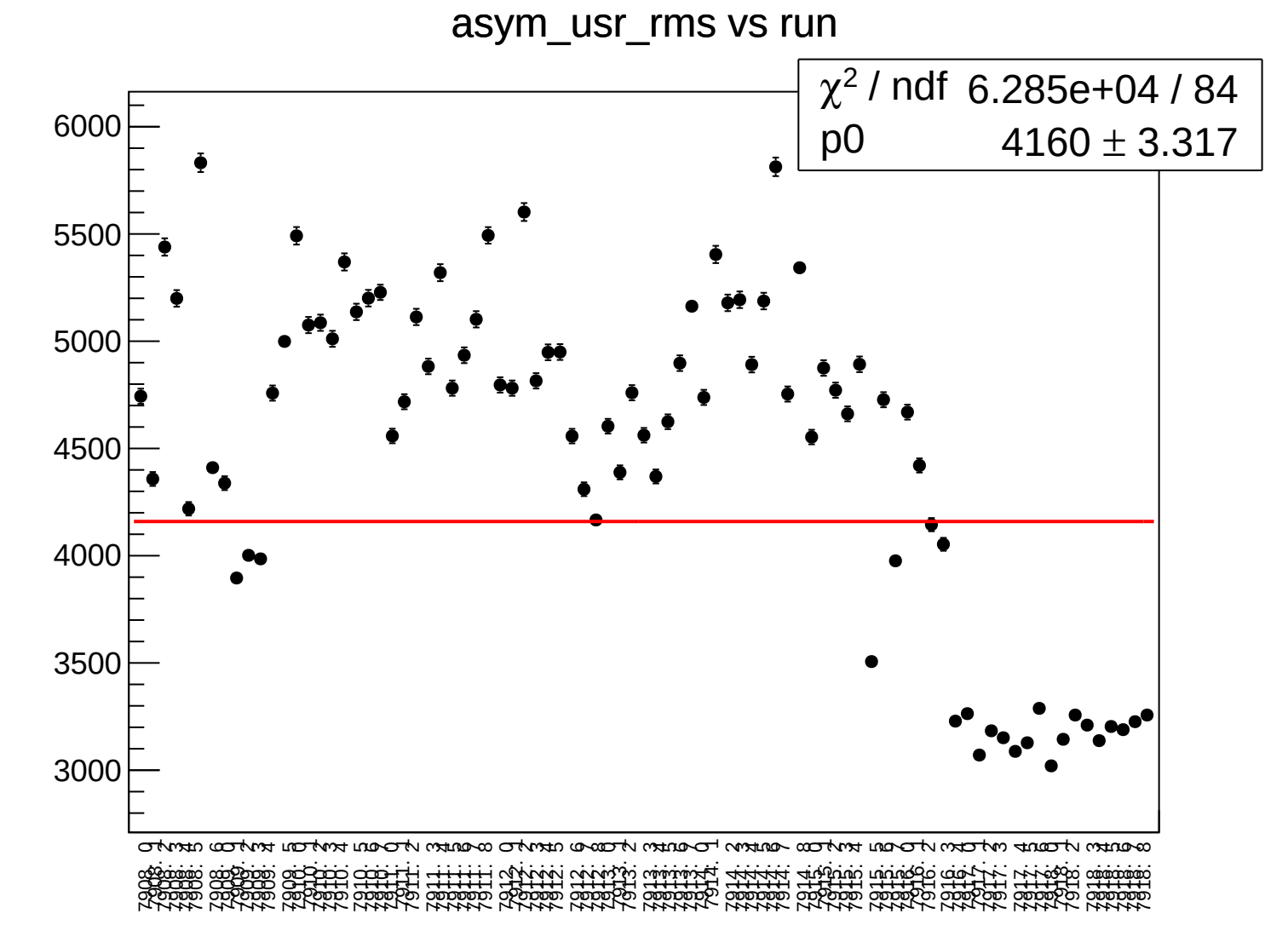

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 105.3 / 84
p0 3998 ± 4504
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 30.4
Std Dev 53.36
2
1
0
−1
−2
−3

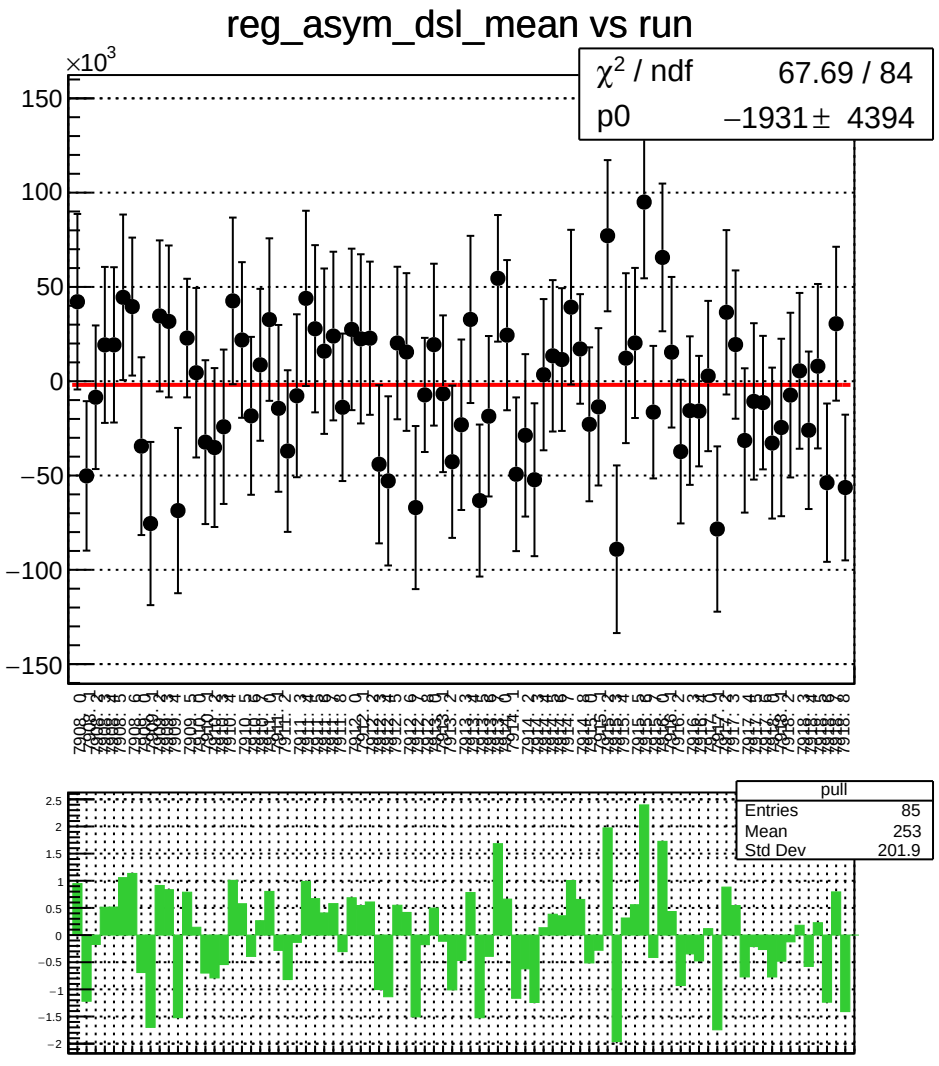

pull1D
Entries 85
Mean −0.0138
Std Dev 1.113
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

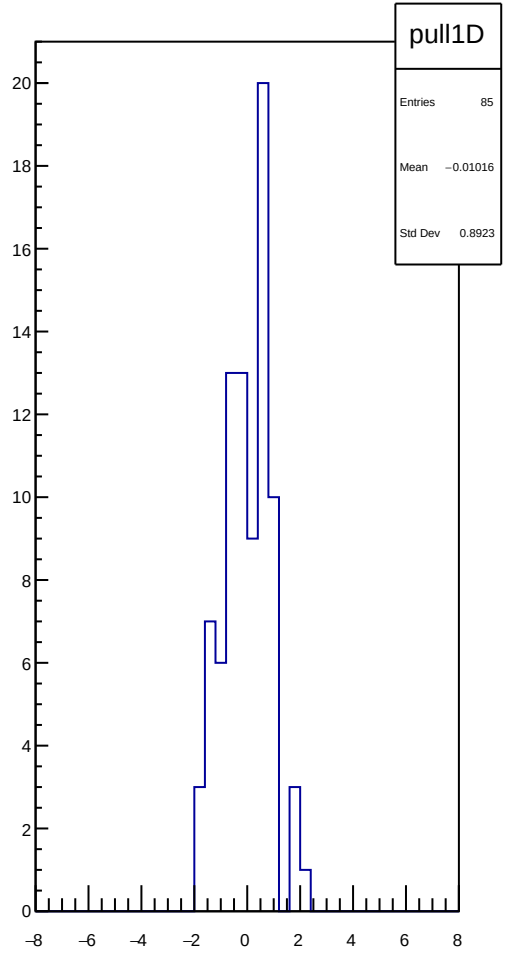

asym_usr_correction_rms vs run
χ² / ndf 7.341e+04 / 84
p0 3980 ± 3.185
6000
5500
5000
4500
4000
3500
3000

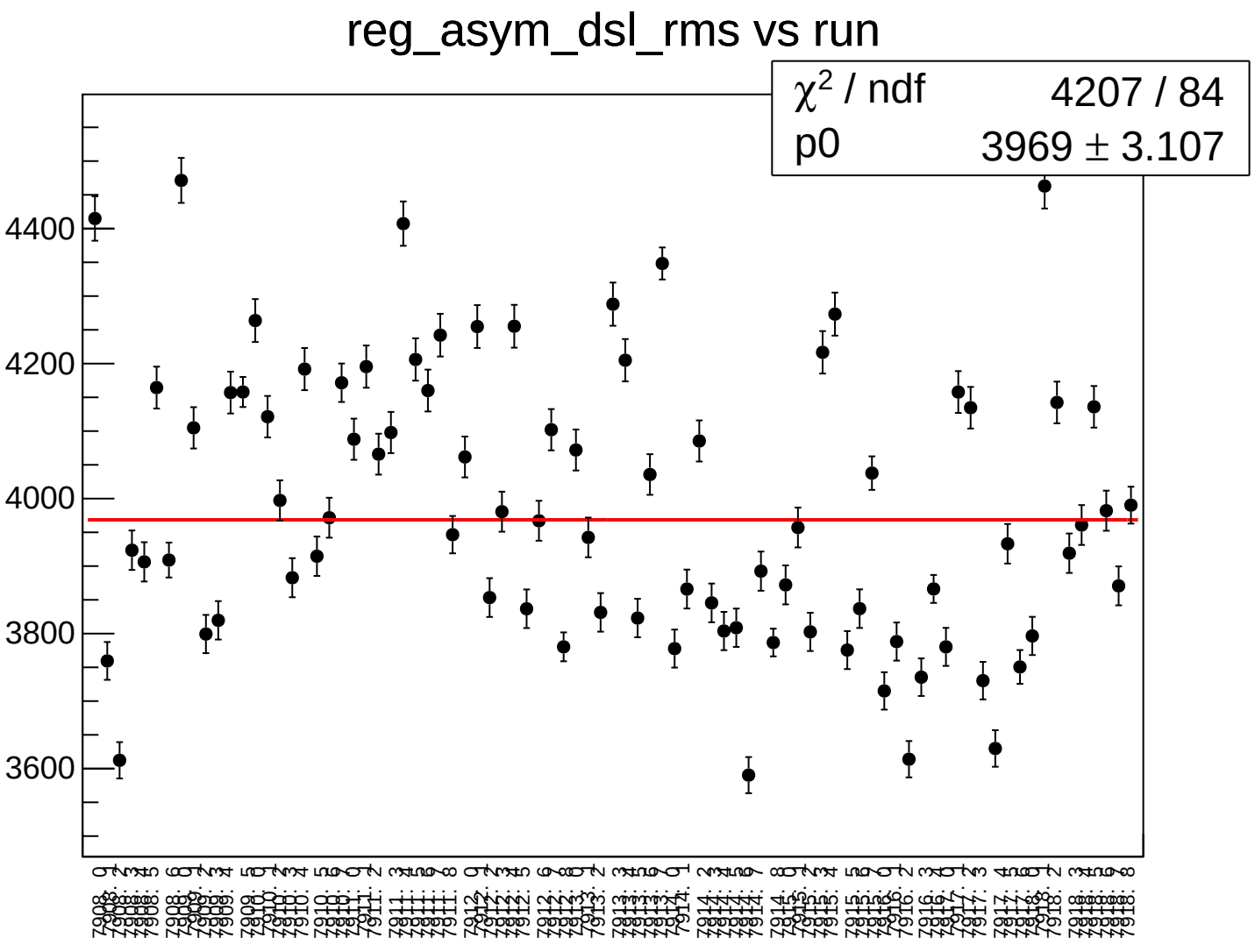

asym_usr_mean vs run
×10^3
χ² / ndf 100.6 / 84
p0 −6254 ± 4691
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 73.57
Std Dev 71.99
2
1
0
−1
−2

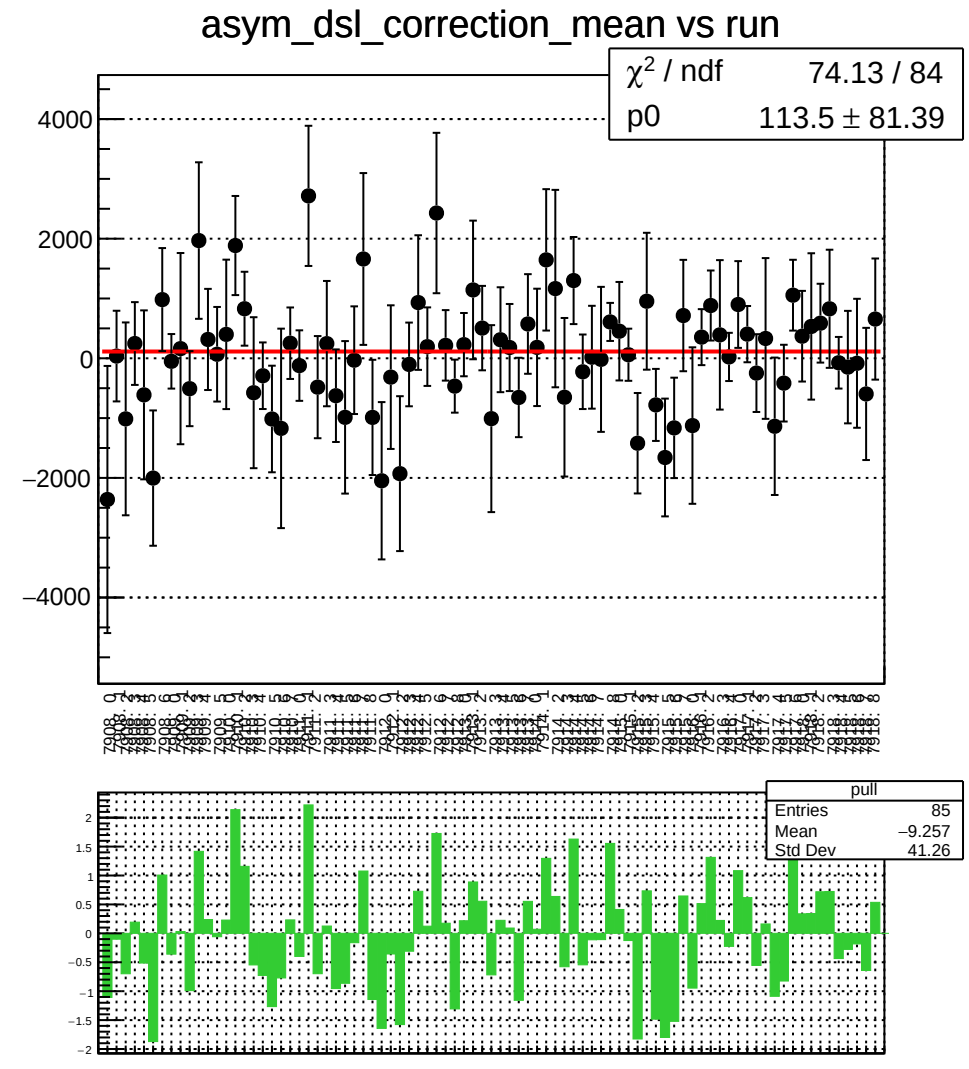

pull1D
Entries 85
Mean 0.01034
Std Dev 1.088
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

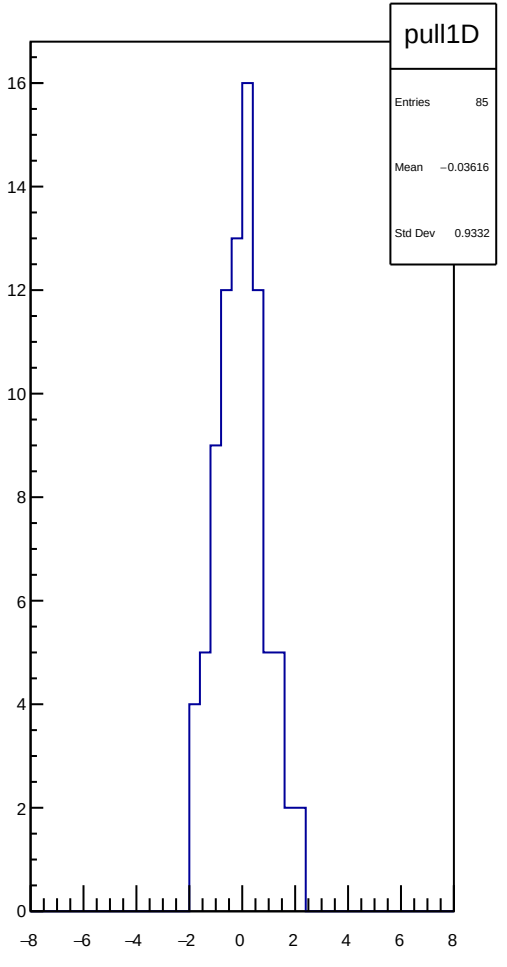

asym_usr_rms vs run
χ^2 / ndf 6.285e+04 / 84
p0 4160 ± 3.317
6000
5500
5000
4500
4000
3500
3000

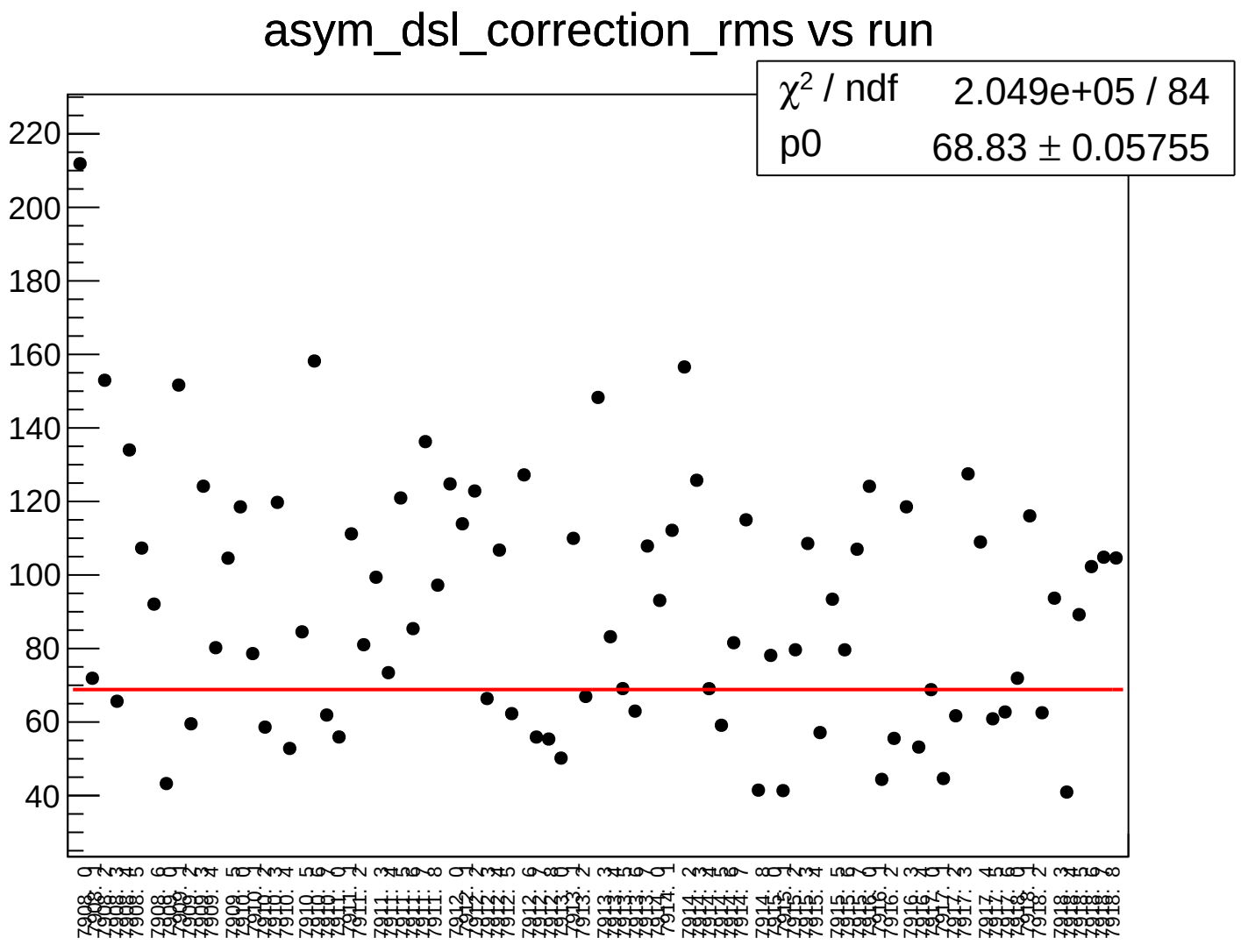

reg_asym_dsl_mean vs run
×10^3
χ² / ndf 67.69 / 84
p0 −1931 ± 4394
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 253
Std Dev 201.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

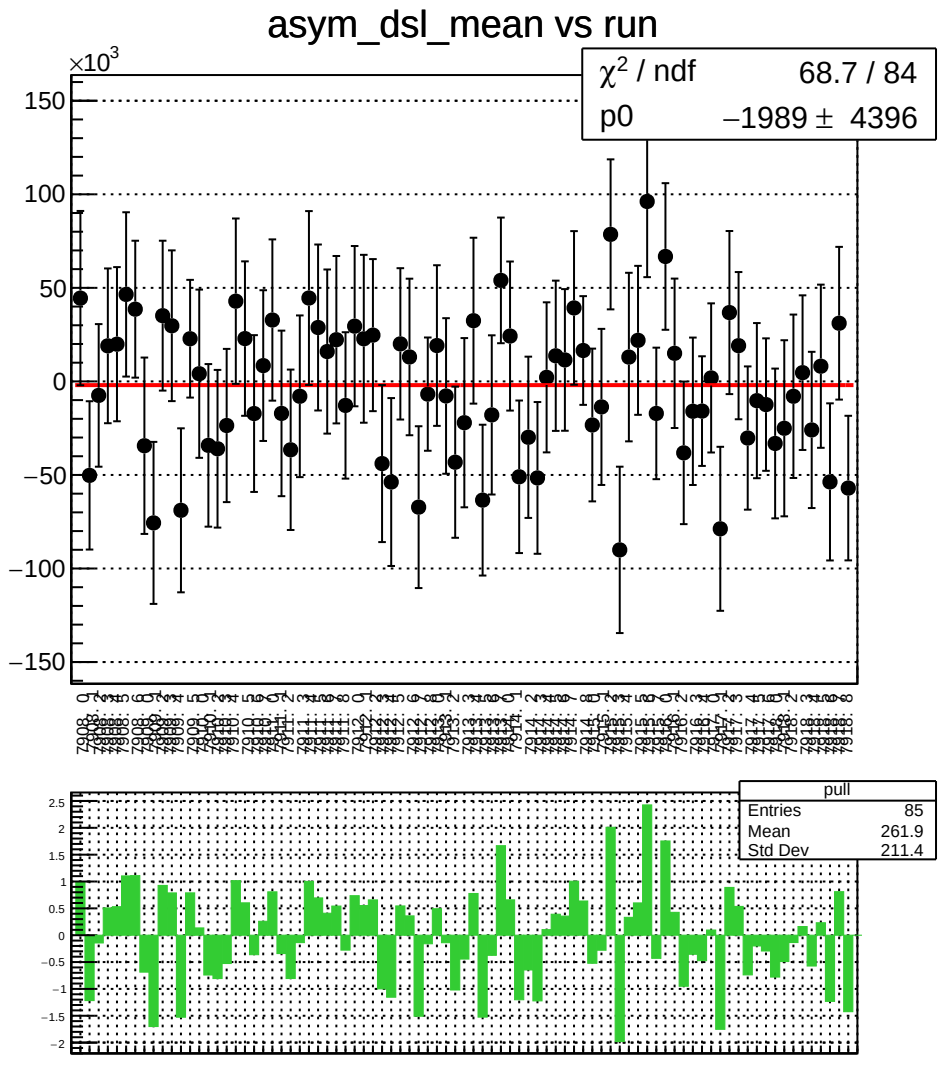

pull1D
Entries 85
Mean −0.01016
Std Dev 0.8923
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

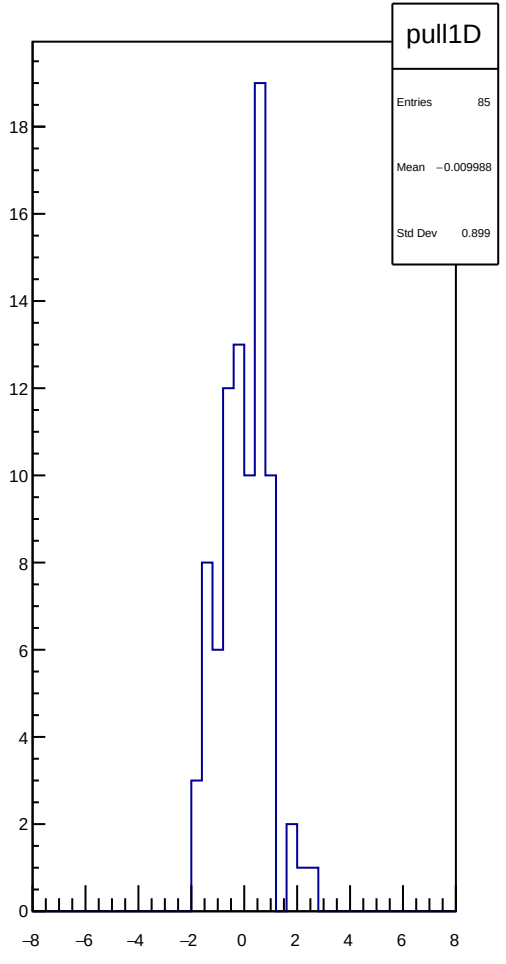

reg_asym_dsl_rms vs run
χ² / ndf 4207 / 84
p0 3969 ± 3.107
4400
4200
4000
3800
3600

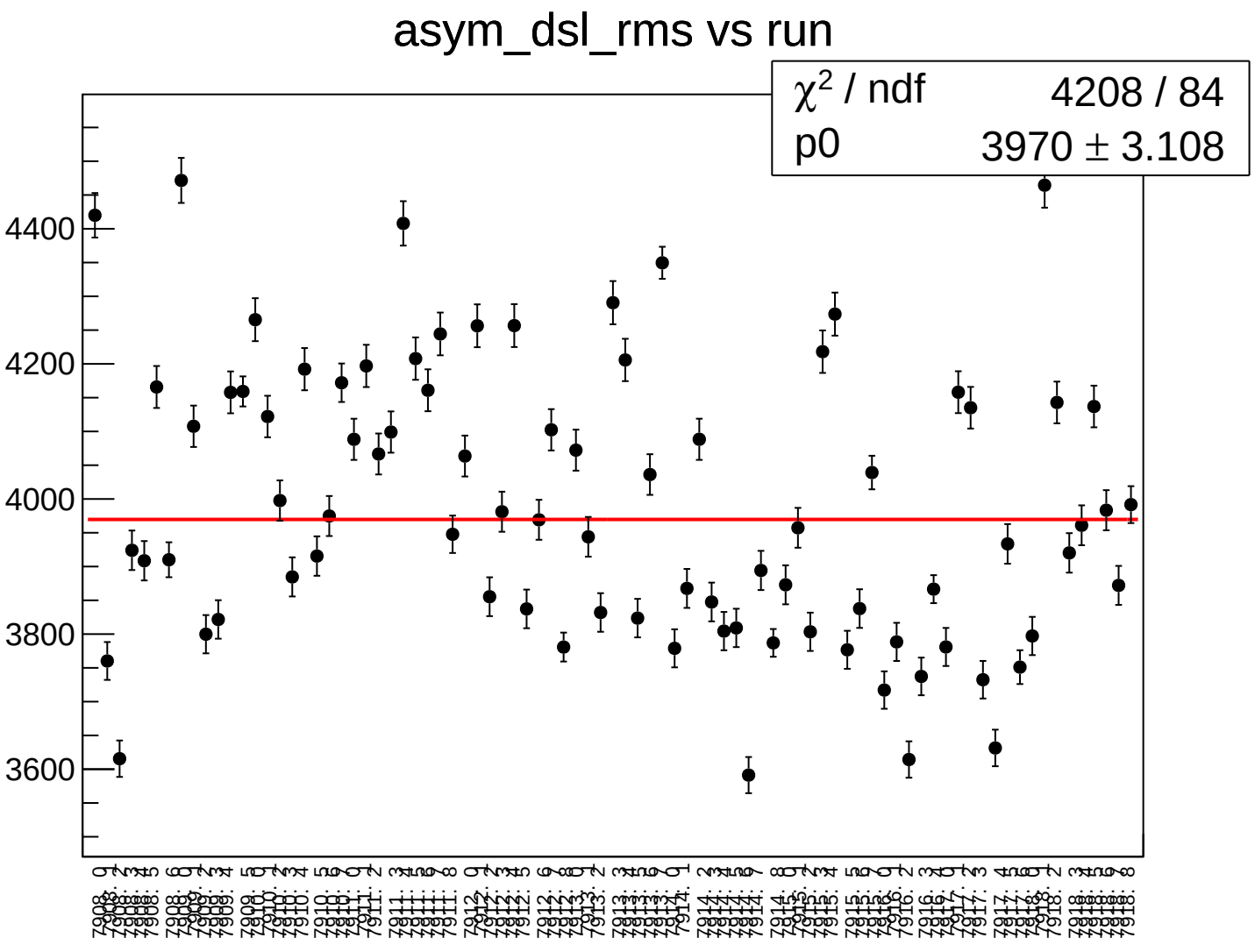

asym_dsl_correction_mean vs run
χ² / ndf 74.13 / 84
p0 113.5 ± 81.39
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −9.257
Std Dev 41.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

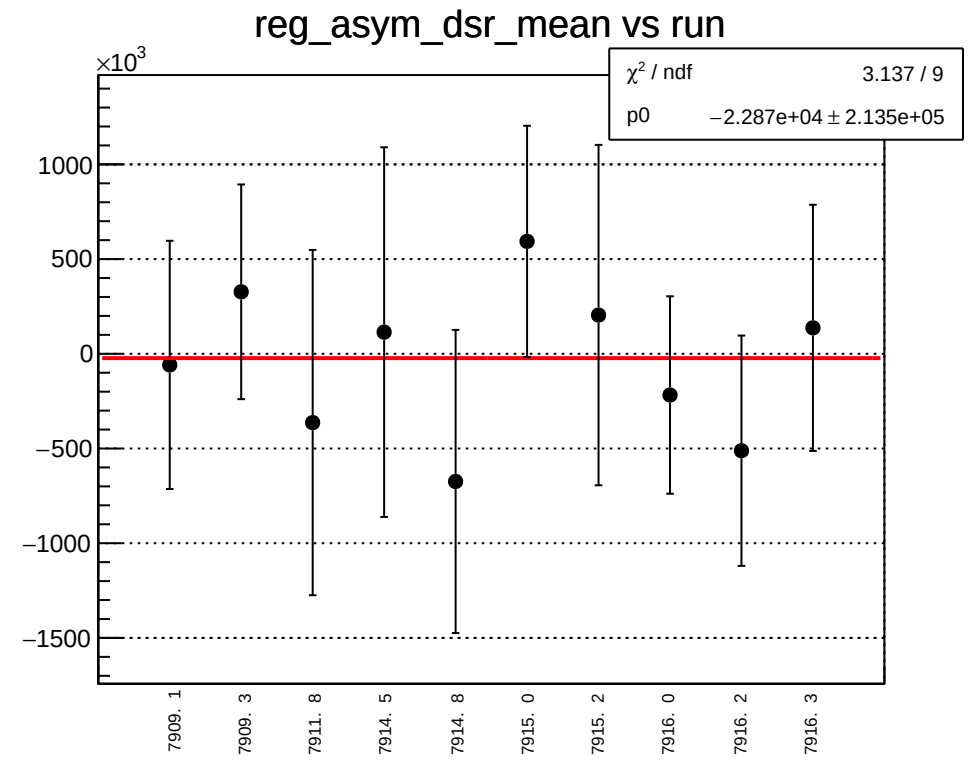

pull1D
Entries 85
Mean −0.03616
Std Dev 0.9332
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

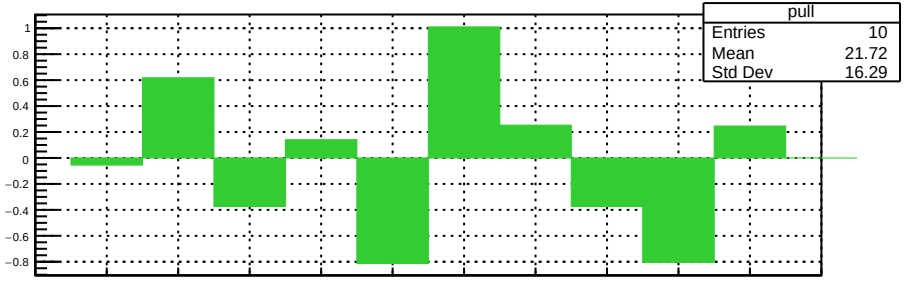

asym_dsl_correction_rms vs run
χ^2 / ndf 2.049e+05 / 84
p0 68.83 ± 0.05755
220
200
180
160
140
120
100
80
60
40

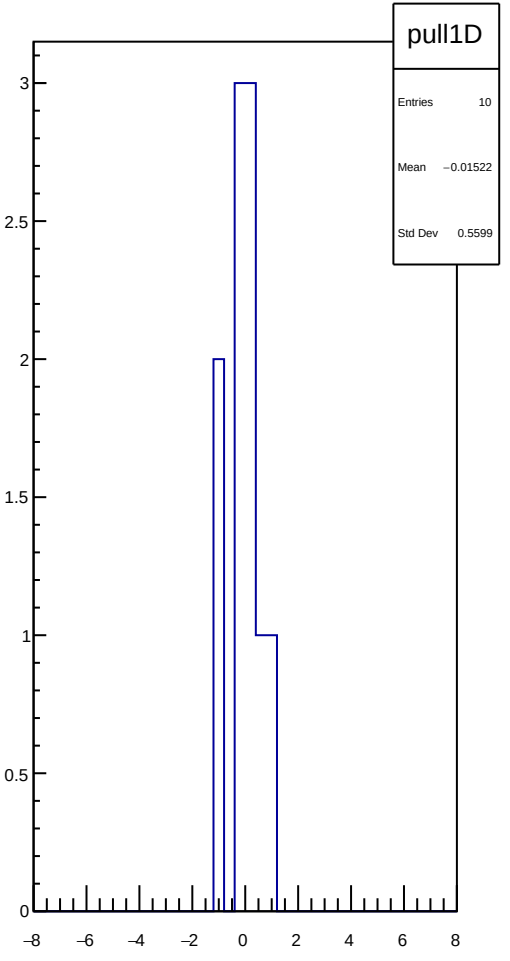

asym_dsl_mean vs run
×10^3
χ² / ndf 68.7 / 84
p0 −1989 ± 4396
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 261.9
Std Dev 211.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

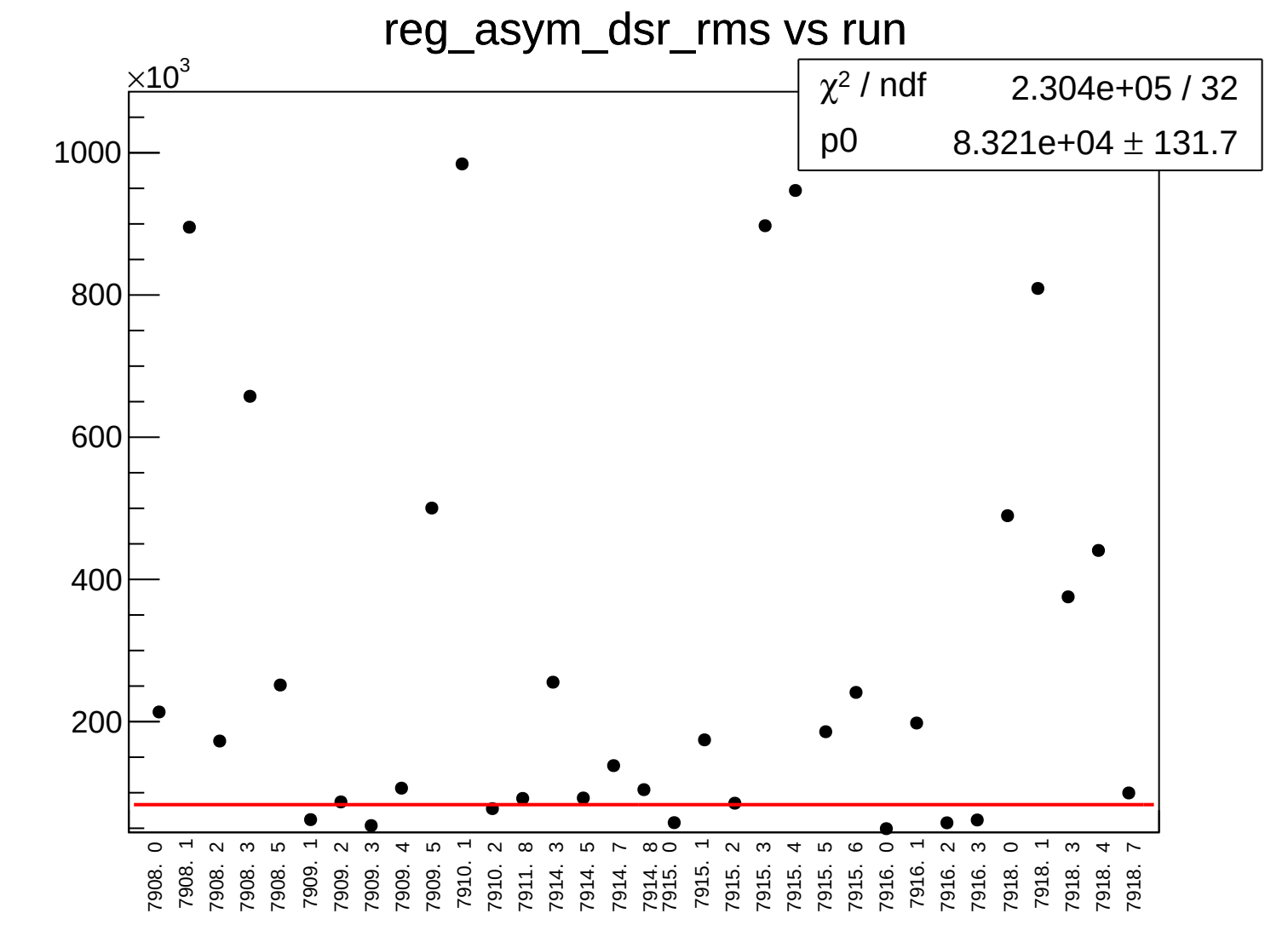

pull1D
Entries 85
Mean −0.009988
Std Dev 0.899
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

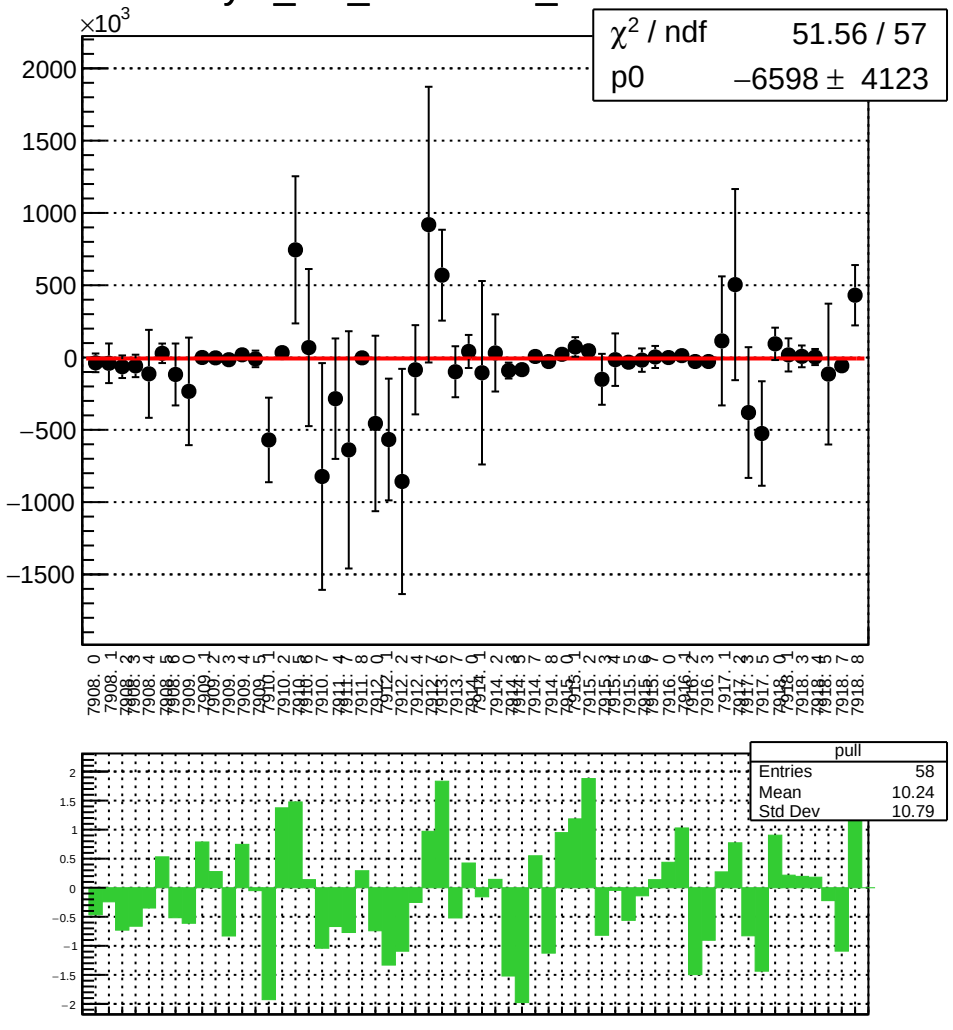

asym_dsl_rms vs run
χ² / ndf 4208 / 84
p0 3970 ± 3.108
4400
4200
4000
3800
3600

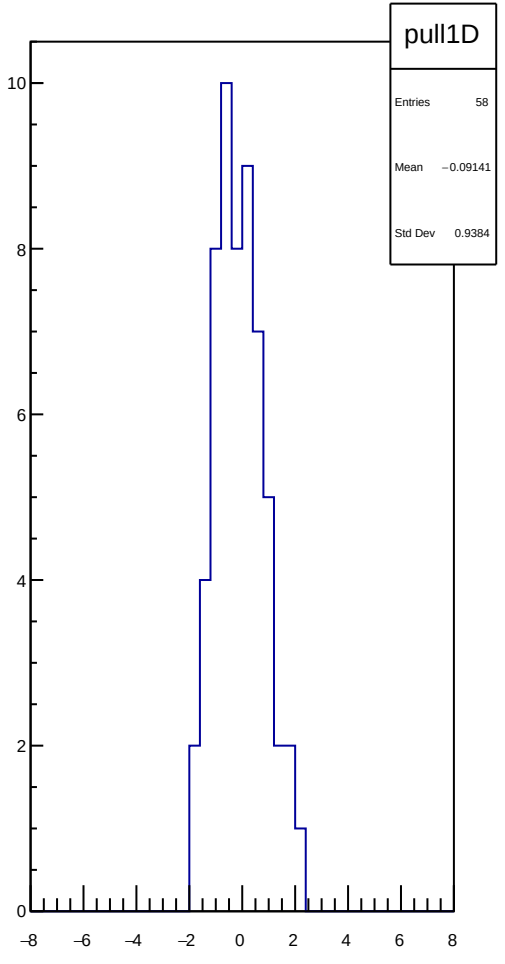

reg_asym_dsr_mean vs run
×10^3
χ² / ndf 3.137 / 9
p0 −2.287e+04 ± 2.135e+05
1000
500
0
−500
−1000
−1500
7909. 1
7909. 3
7911. 8
7914. 5
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3

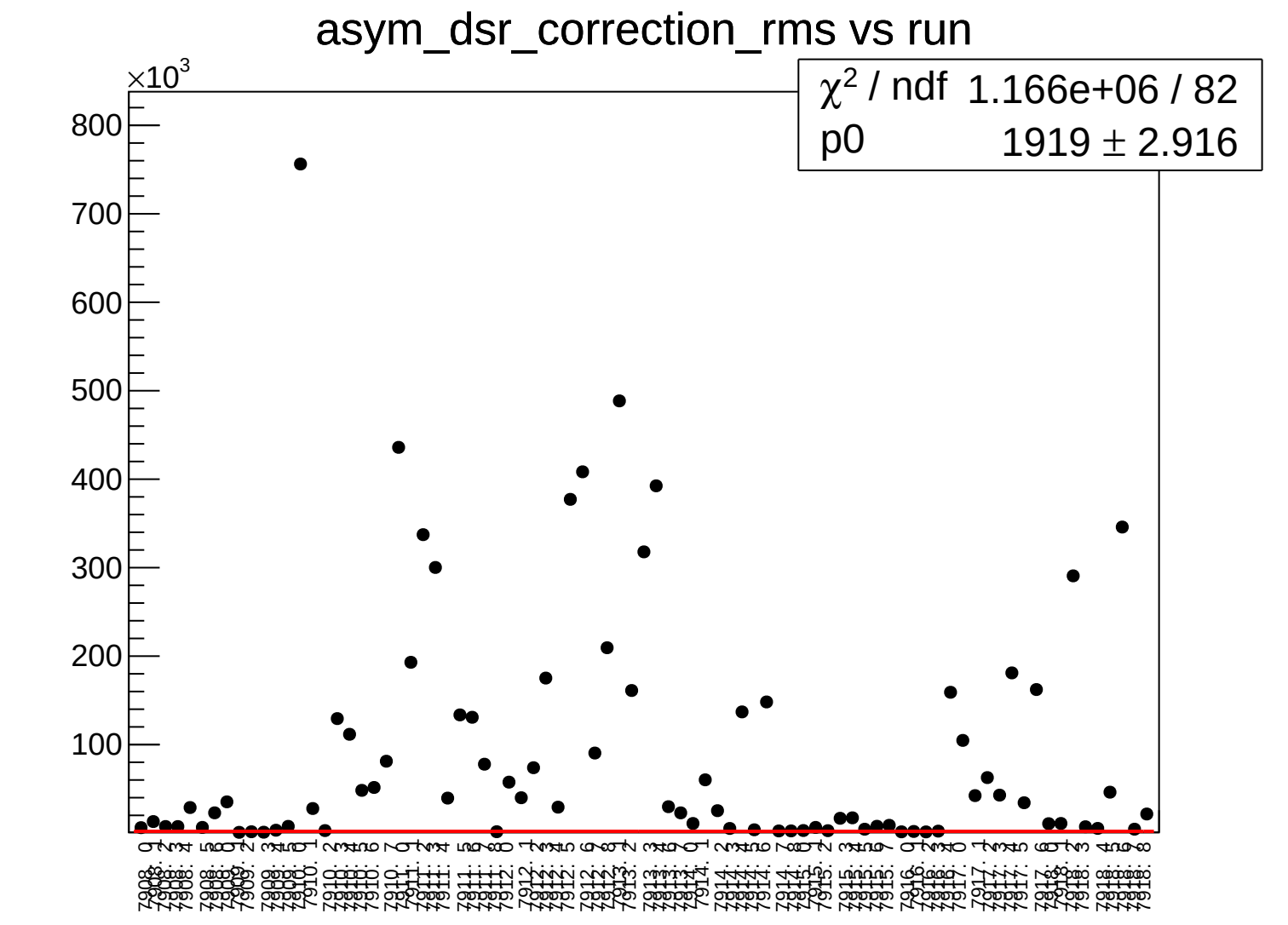

pull
Entries 10
Mean 21.72
Std Dev 16.29
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

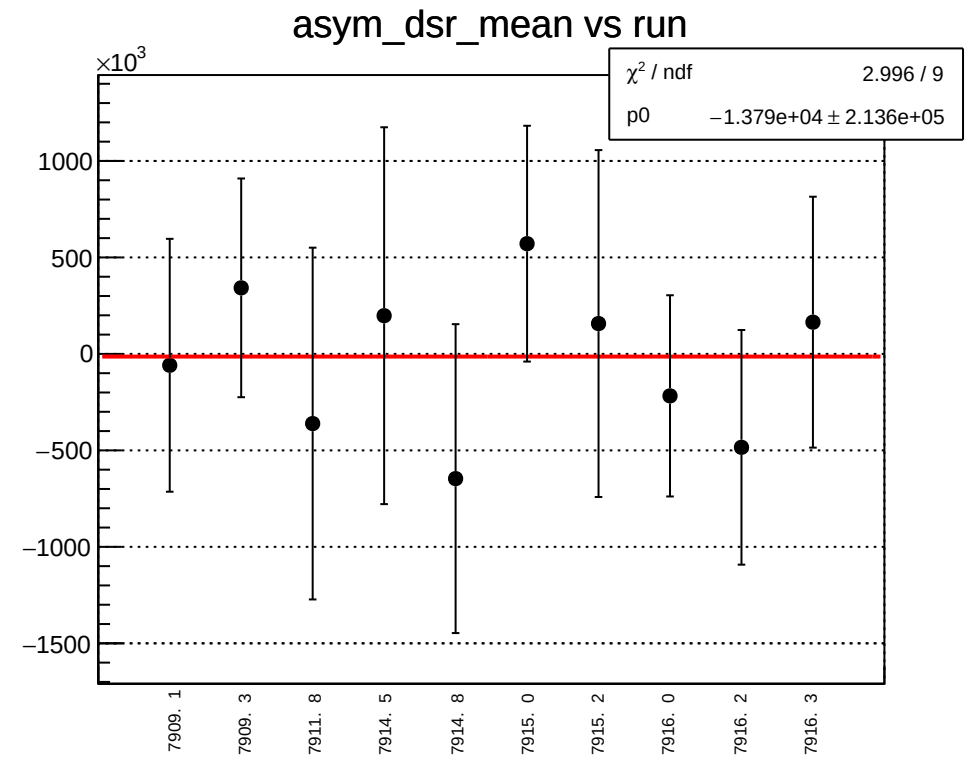

pull1D
Entries 10
Mean −0.01522
Std Dev 0.5599
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

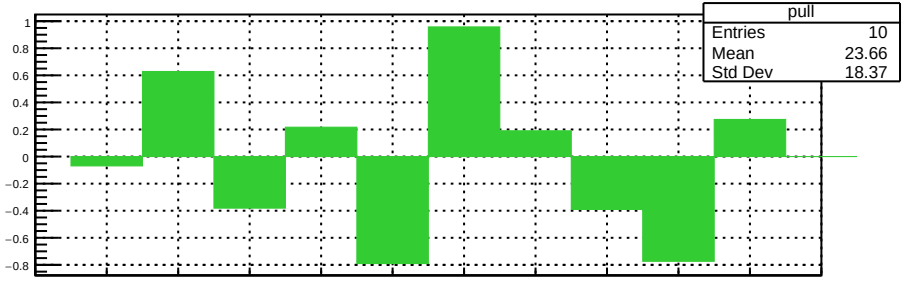

reg_asym_dsr_rms vs run
×10^3
1000
800
600
400
200
χ² / ndf 2.304e+05 / 32
p0 8.321e+04 ± 131.7
7908. 0
7908. 1
7908. 2
7908. 3
7908. 5
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7916. 0
7916. 1
7916. 2
7916. 3
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7

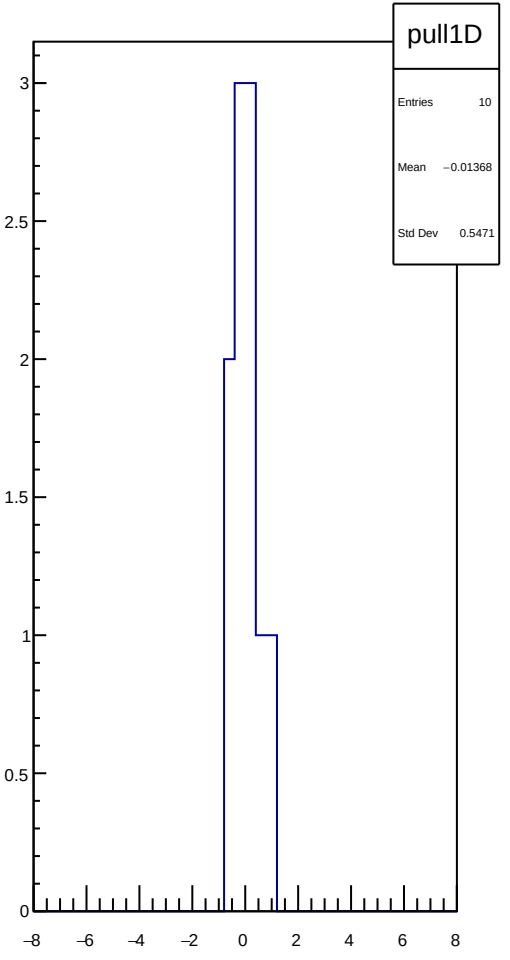

asym_dsr_correction_mean vs run
×10^3
χ² / ndf 51.56 / 57
p0 −6598 ± 4123
pull
Entries 58
Mean 10.24
Std Dev 10.79

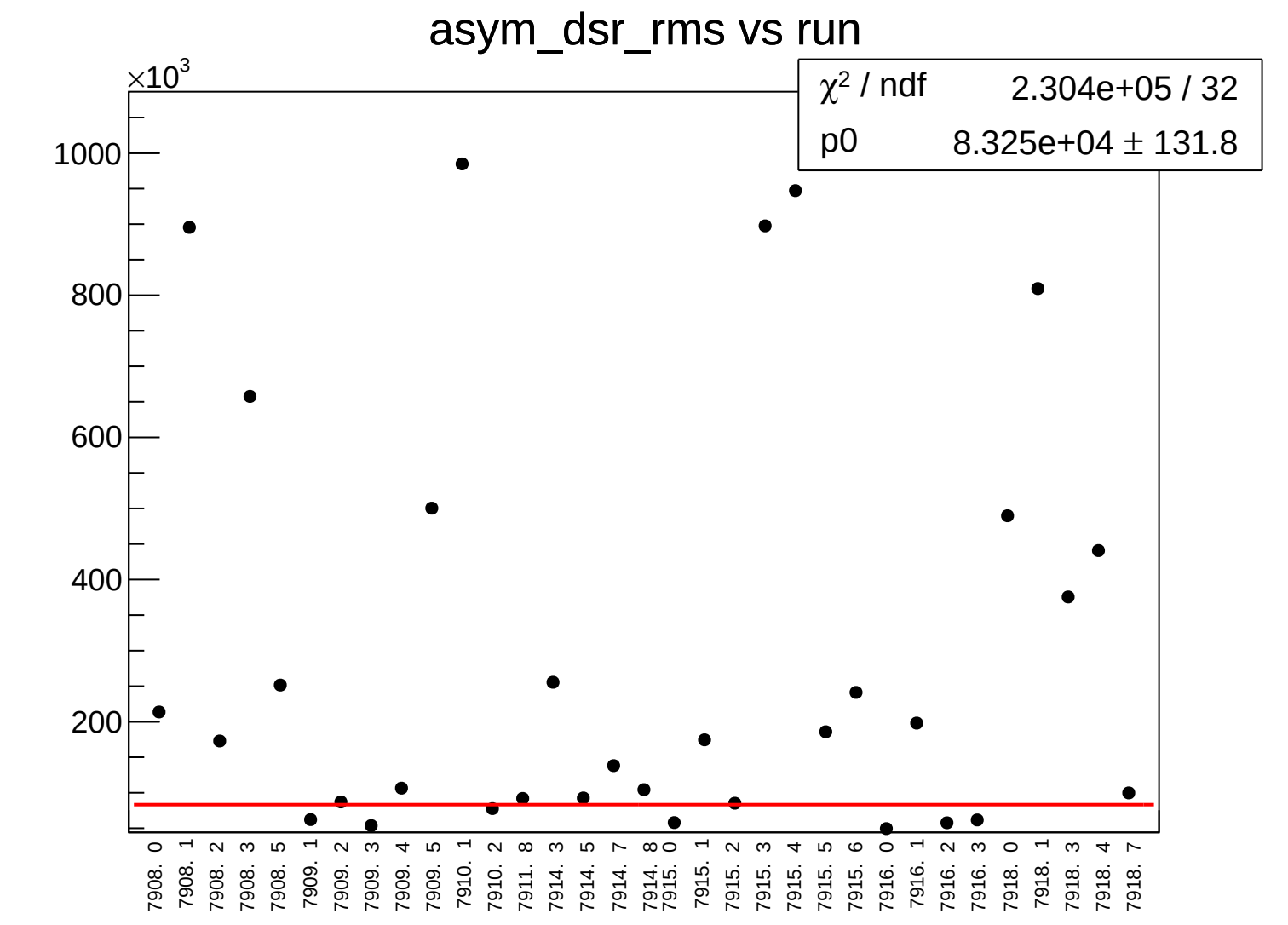

pull1D
Entries 58
Mean −0.09141
Std Dev 0.9384

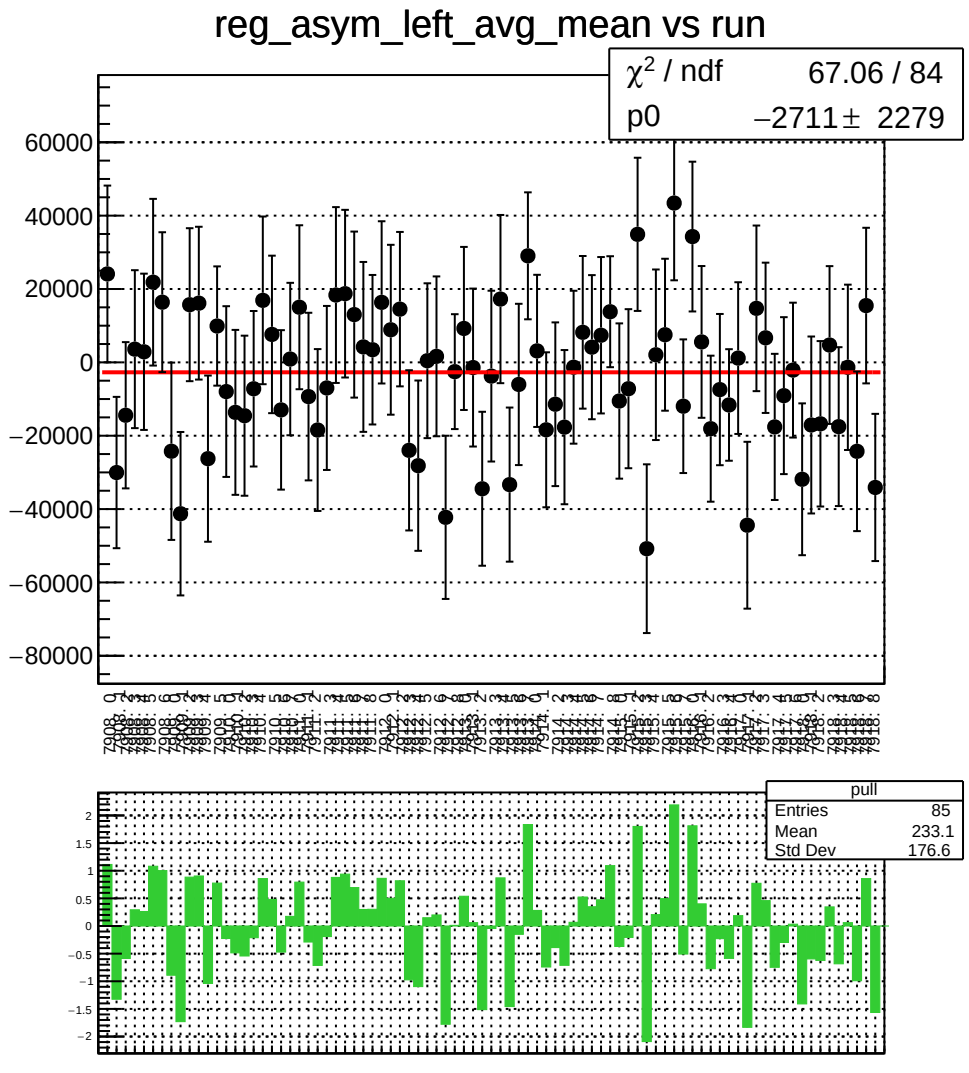

asym_dsr_correction_rms vs run
×10^3
800
700
600
500
400
300
200
100
χ² / ndf 1.166e+06 / 82
p0 1919 ± 2.916

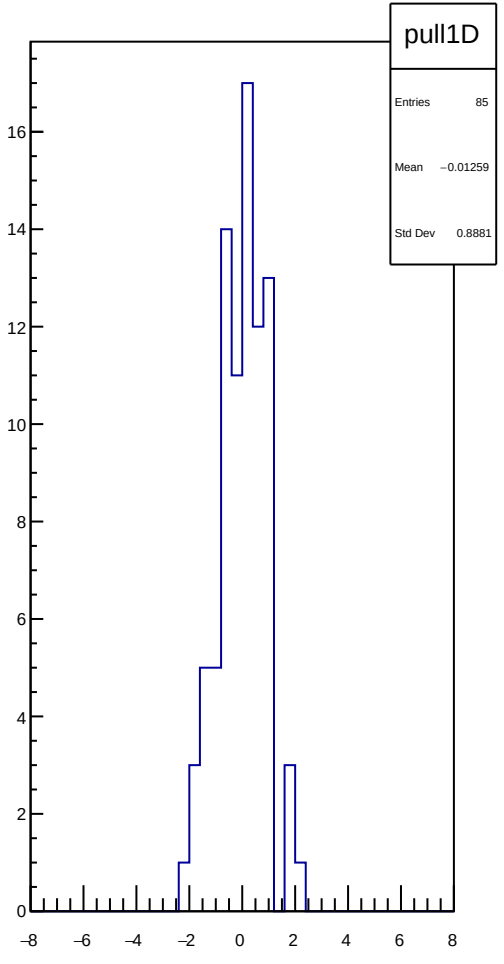

asym_dsr_mean vs run
×10^3
χ² / ndf 2.996 / 9
p0 −1.379e+04 ± 2.136e+05
1000
500
0
−500
−1000
−1500
7909. 1
7909. 3
7911. 8
7914. 5
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3

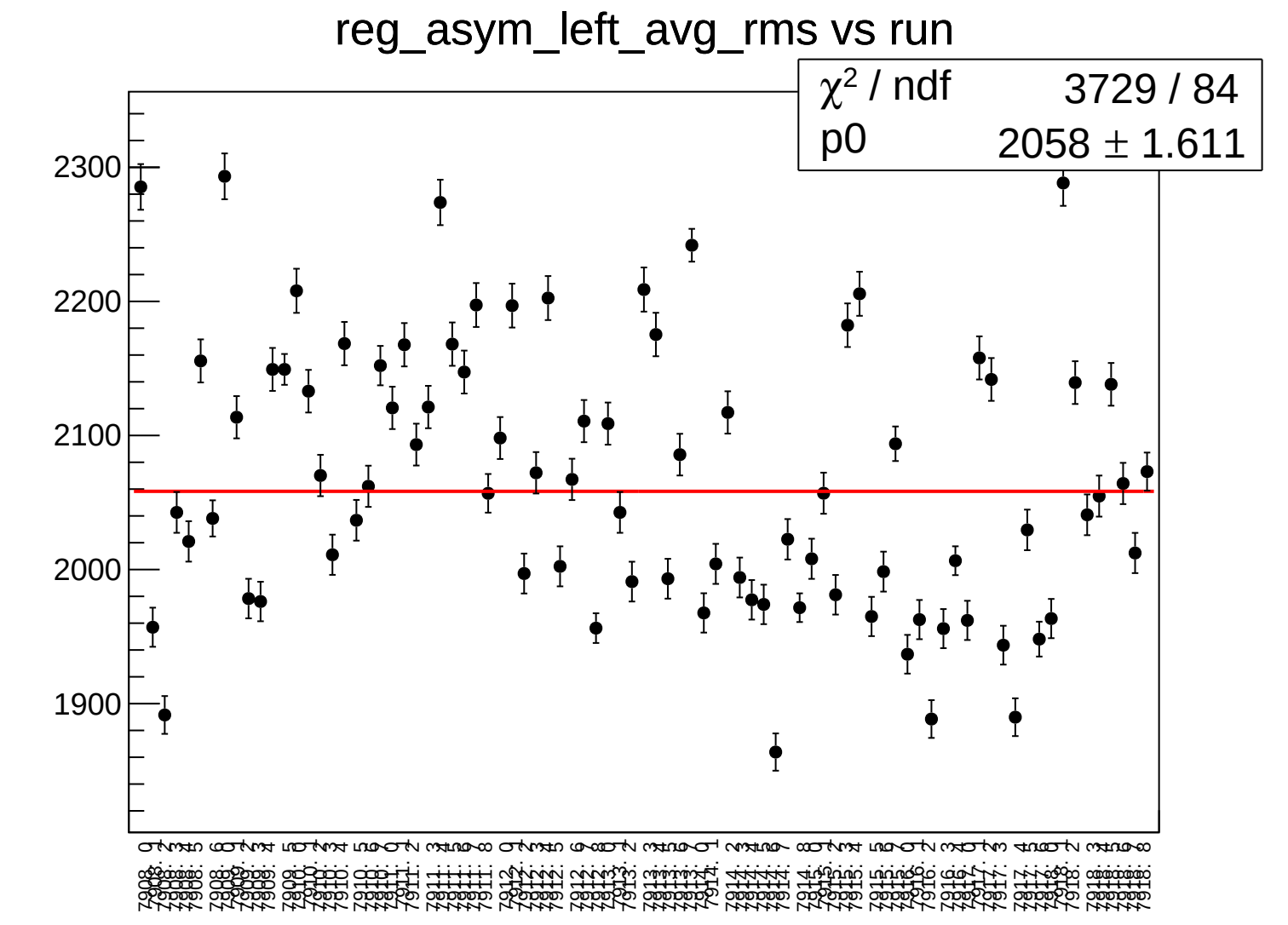

pull
Entries 10
Mean 23.66
Std Dev 18.37
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

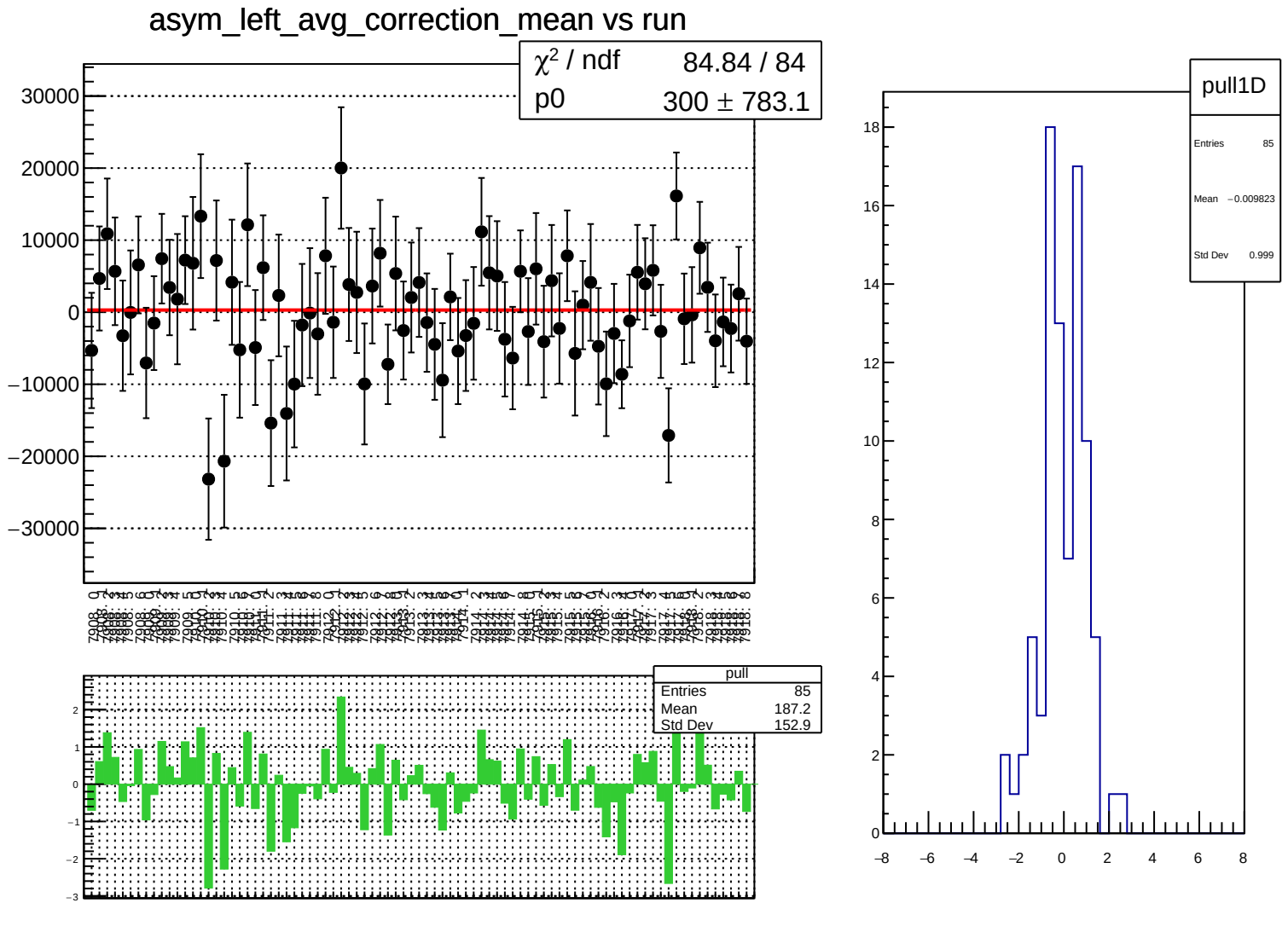

pull1D
Entries 10
Mean −0.01368
Std Dev 0.5471
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

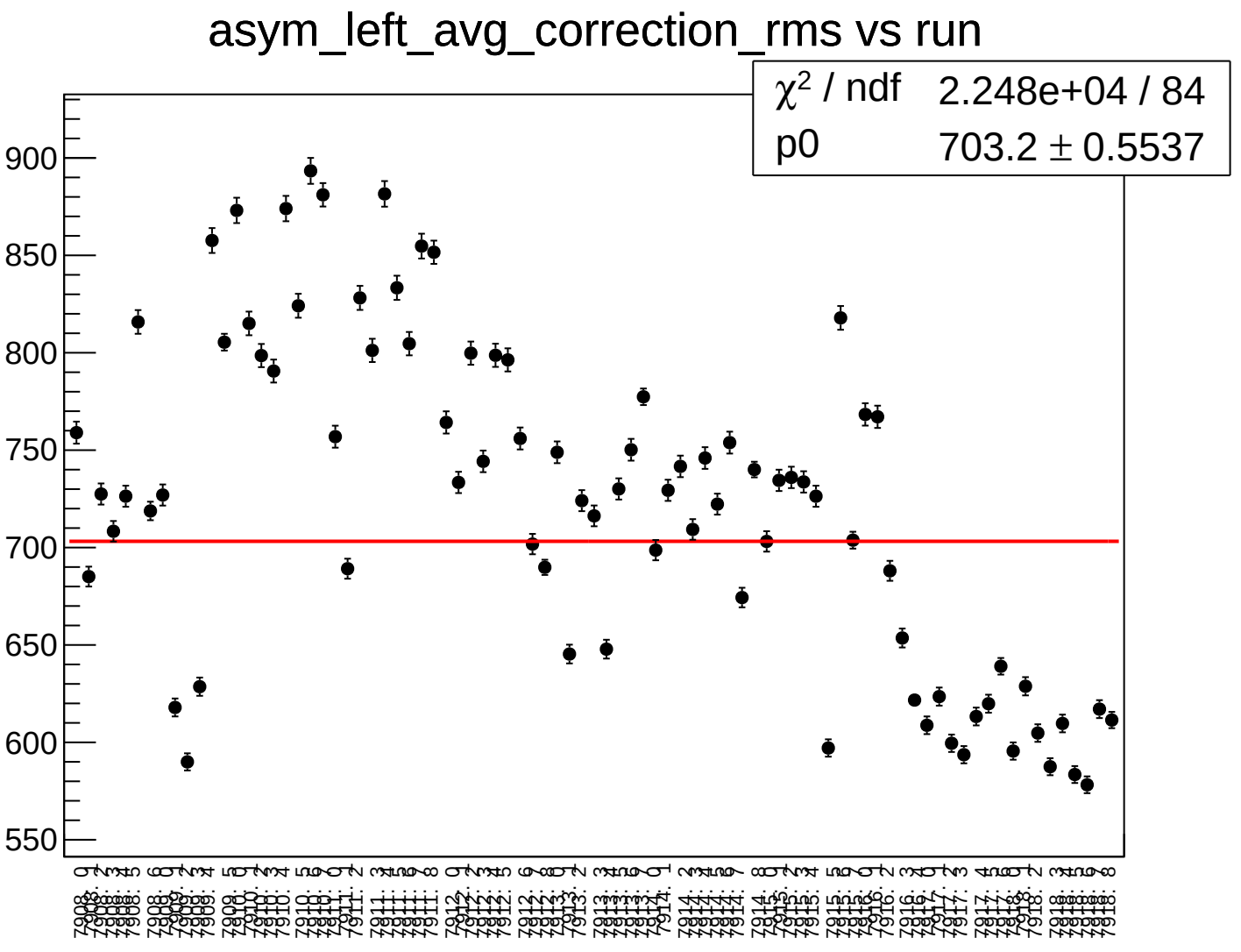

asym_dsr_rms vs run
×10^3
χ² / ndf 2.304e+05 / 32
p0 8.325e+04 ± 131.8
1000
800
600
400
200
7908. 0
7908. 1
7908. 2
7908. 3
7908. 5
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7916. 0
7916. 1
7916. 2
7916. 3
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7

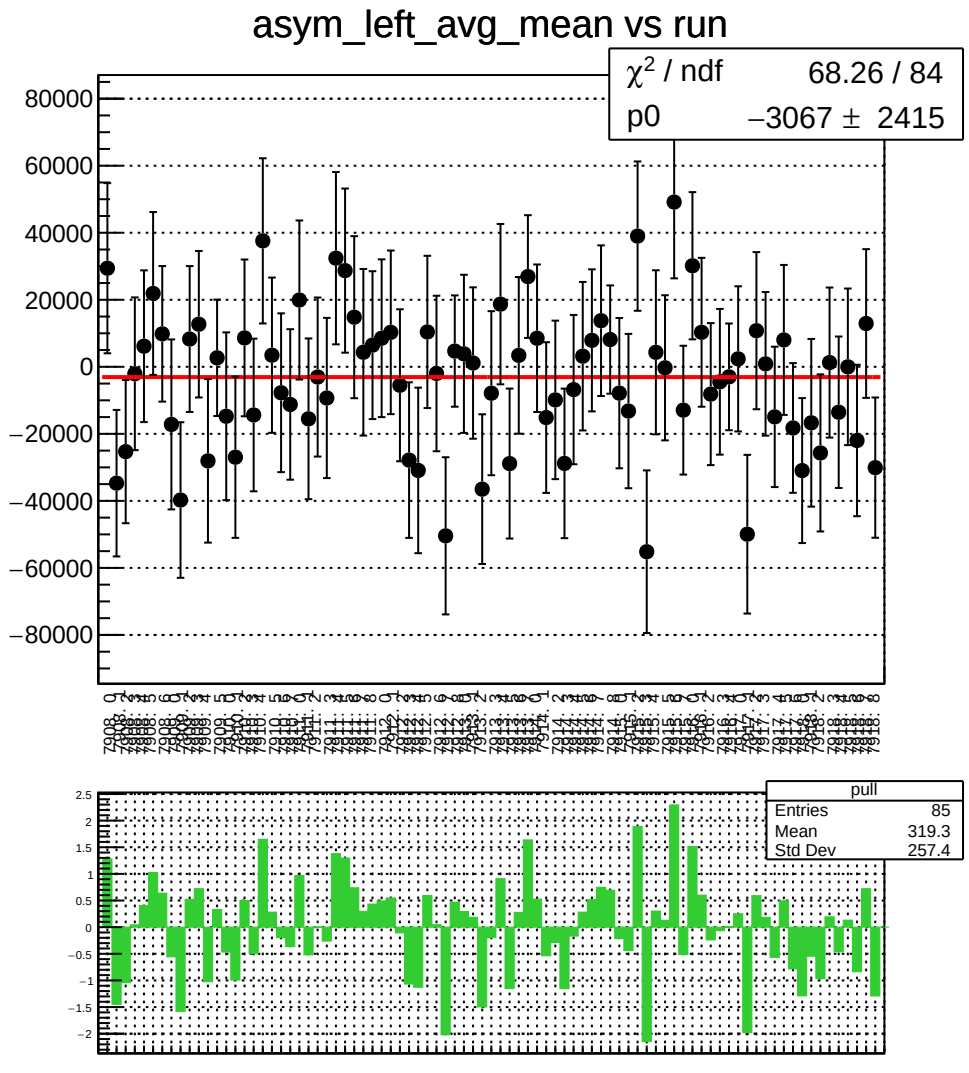

reg_asym_left_avg_mean vs run
χ² / ndf 67.06 / 84
p0 −2711 ± 2279
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 233.1
Std Dev 176.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

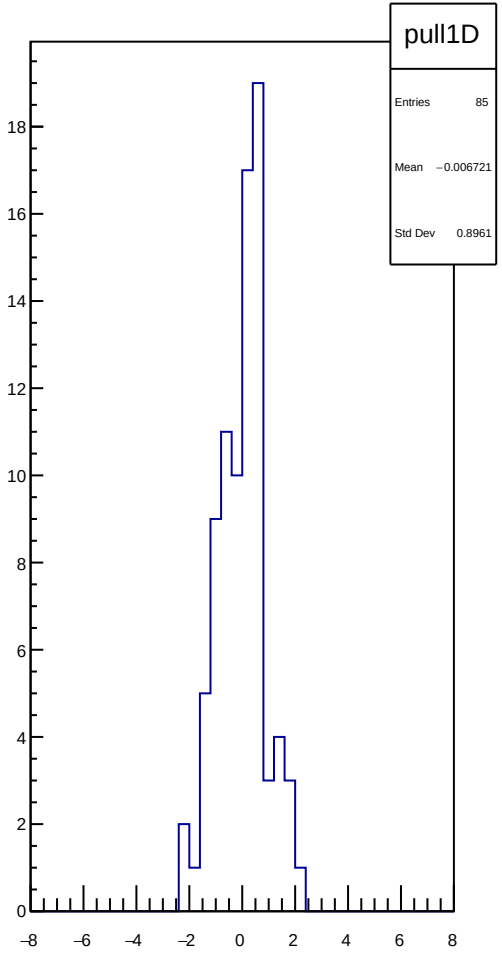

pull1D
Entries 85
Mean −0.01259
Std Dev 0.8881
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

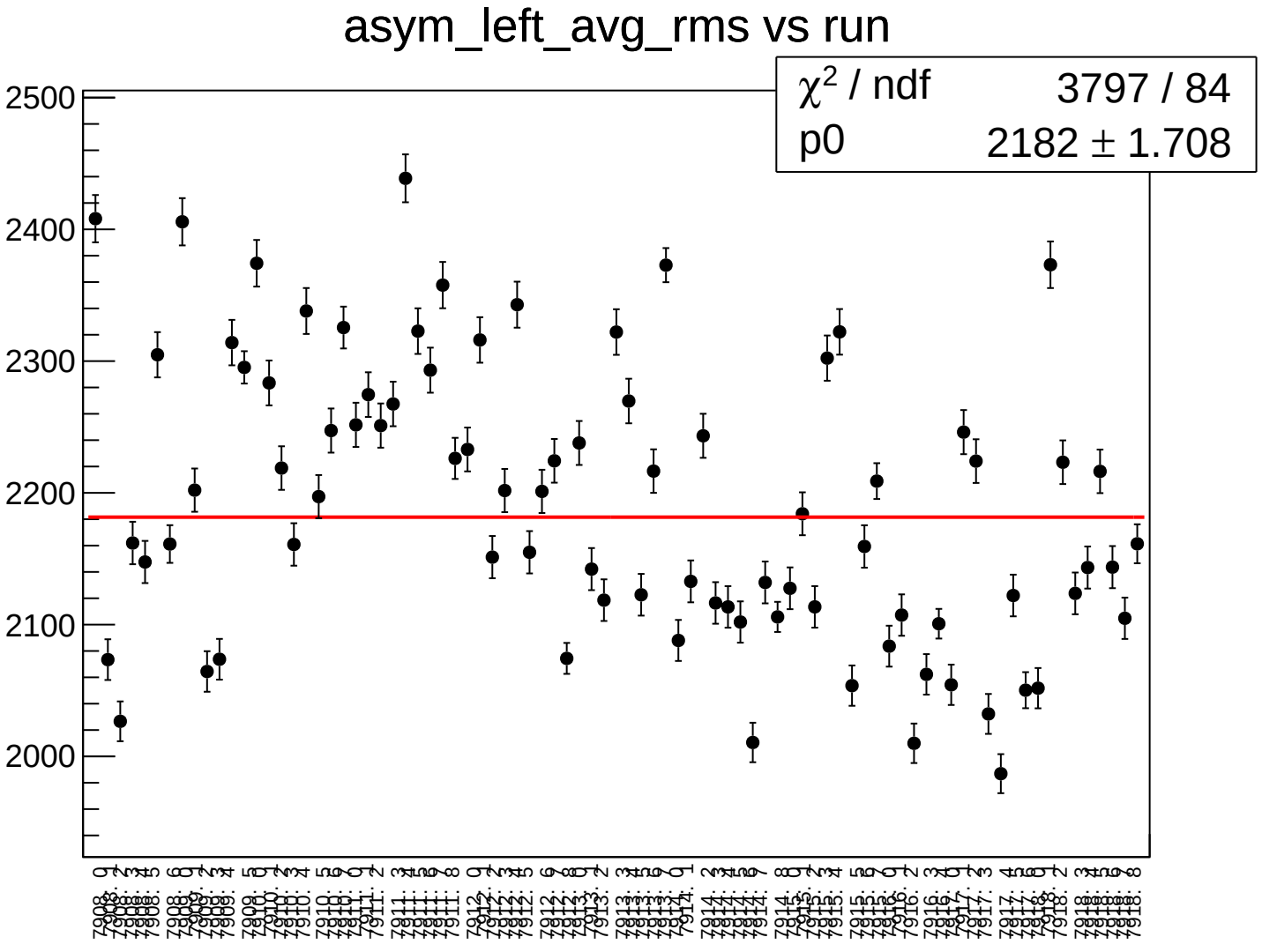

reg_asym_left_avg_rms vs run
χ^2 / ndf 3729 / 84
p0 2058 ± 1.611
2300
2200
2100
2000
1900

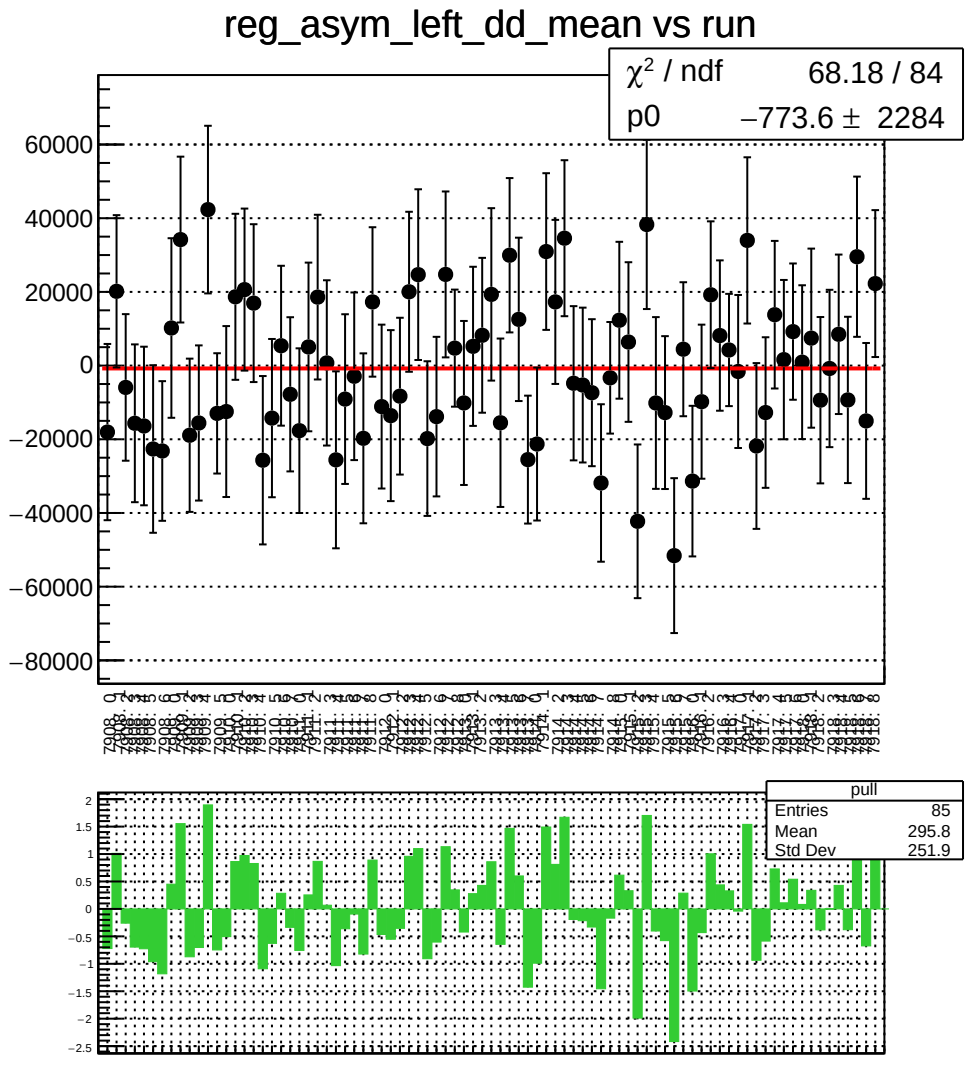

asym_left_avg_correction_mean vs run
χ² / ndf 84.84 / 84
p0 300 ± 783.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 187.2
Std Dev 152.9
pull1D
Entries 85
Mean −0.009823
Std Dev 0.999

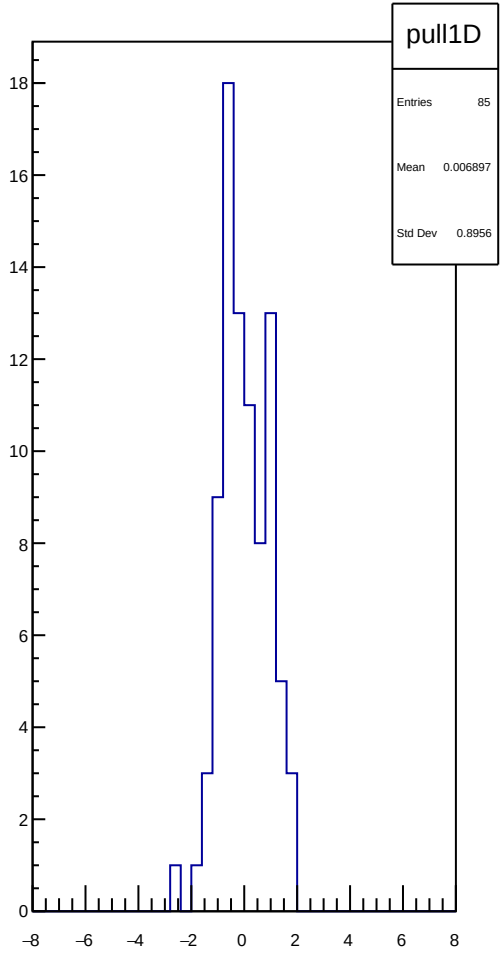

asym_left_avg_correction_rms vs run
χ² / ndf 2.248e+04 / 84
p0 703.2 ± 0.5537
900
850
800
750
700
650
600
550

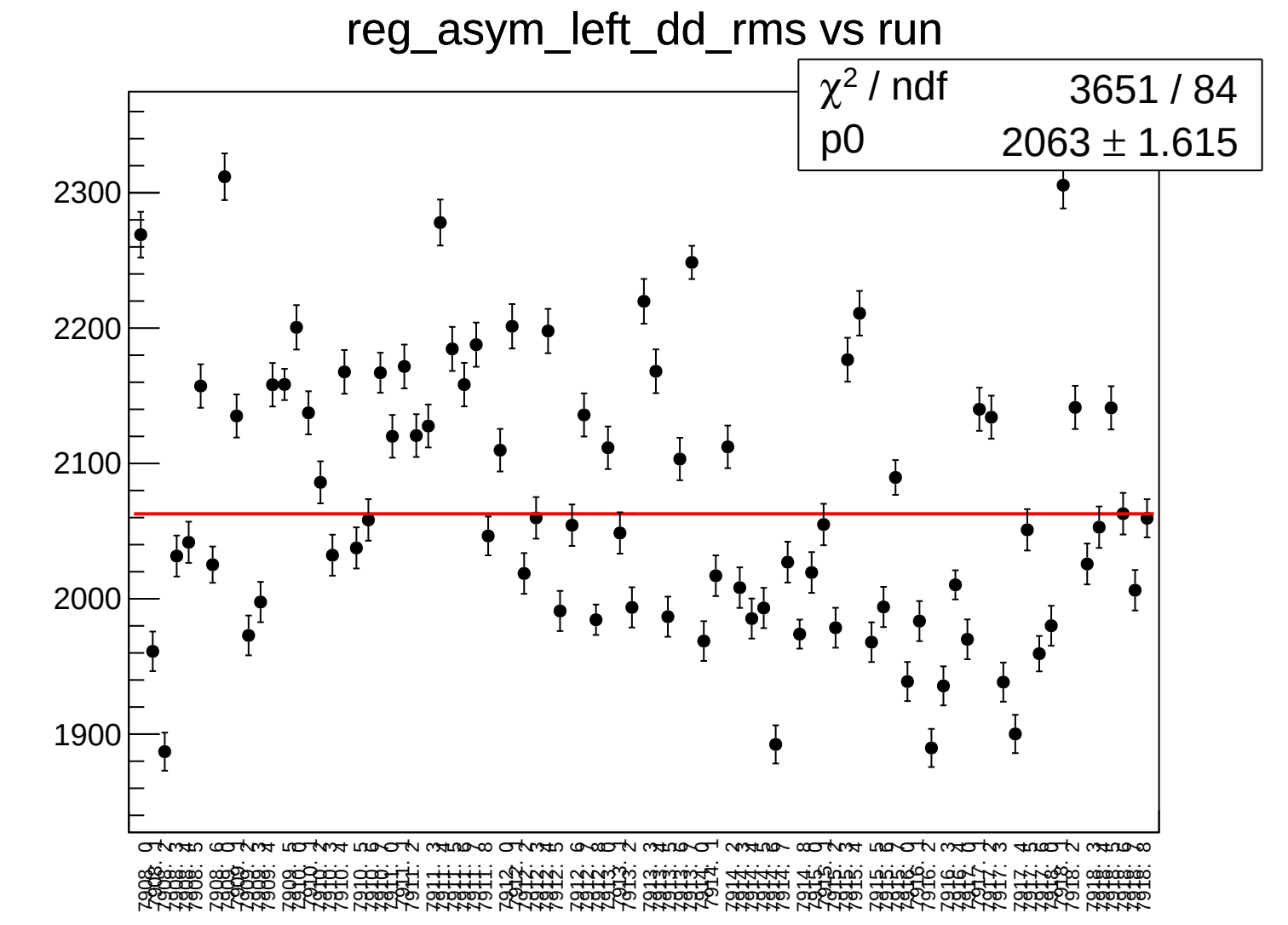

asym_left_avg_mean vs run
χ² / ndf 68.26 / 84
p0 −3067 ± 2415
pull
Entries 85
Mean 319.3
Std Dev 257.4

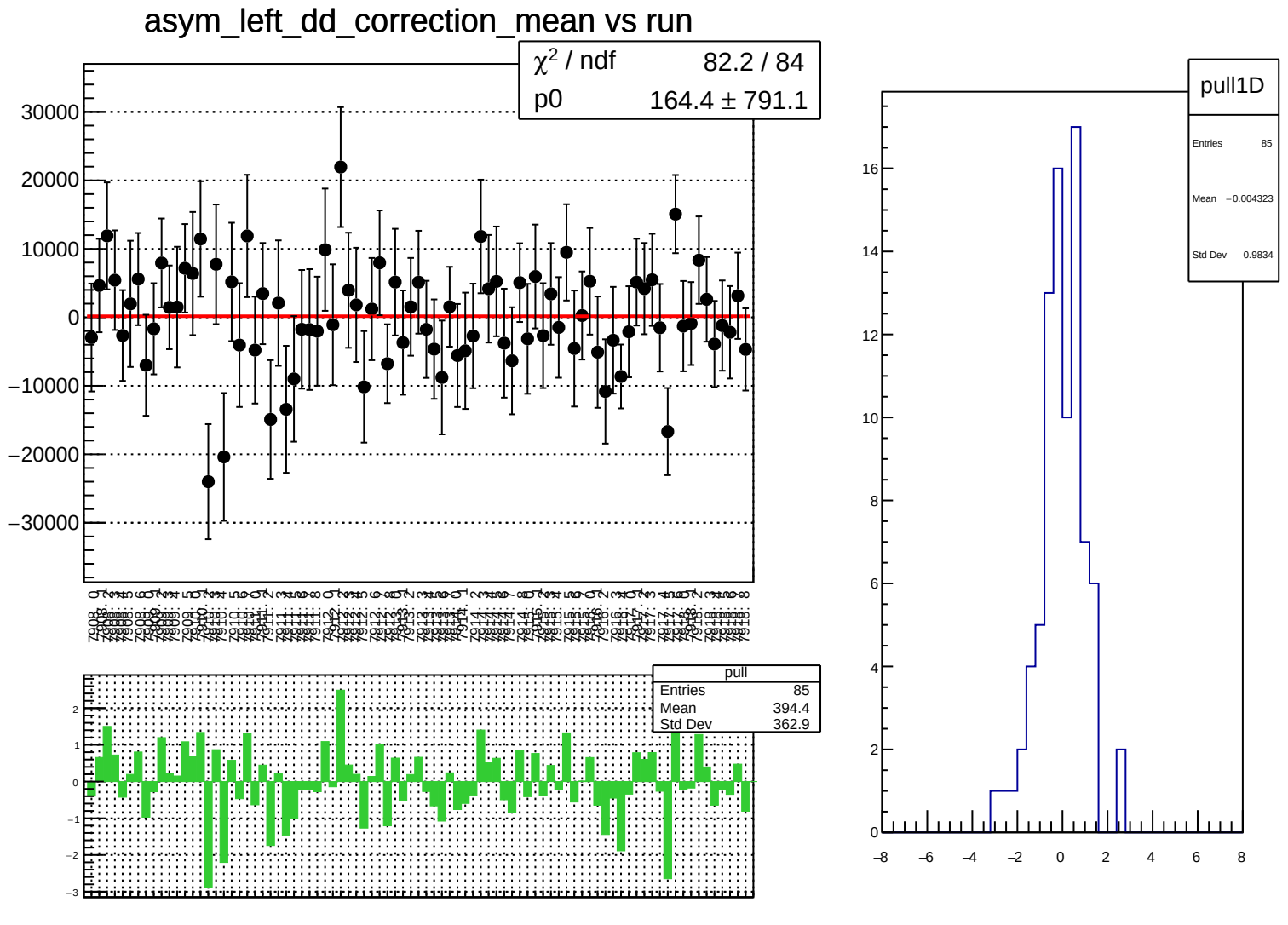

pull1D
Entries 85
Mean −0.006721
Std Dev 0.8961

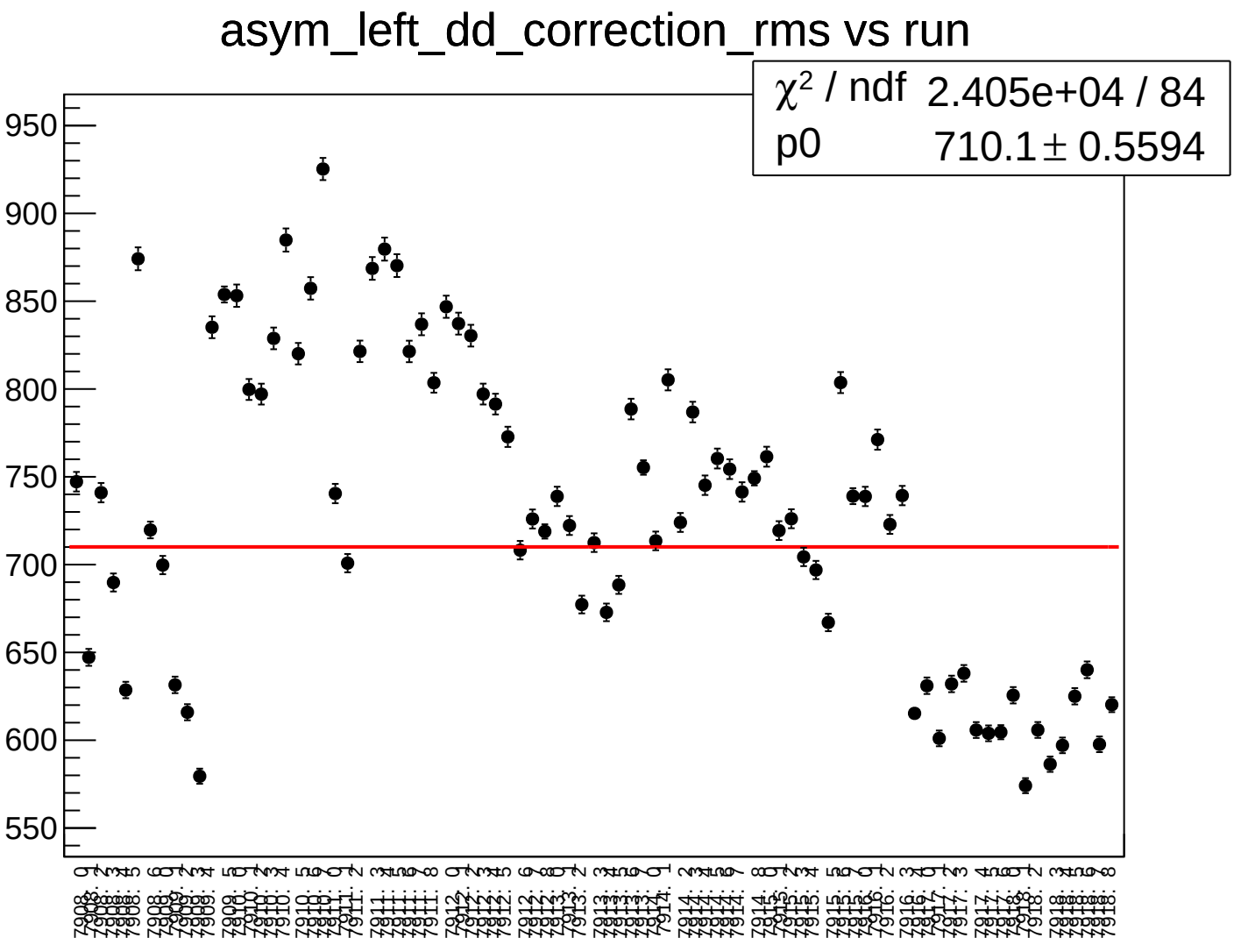

asym_left_avg_rms vs run
χ² / ndf 3797 / 84
p0 2182 ± 1.708
2500
2400
2300
2200
2100
2000

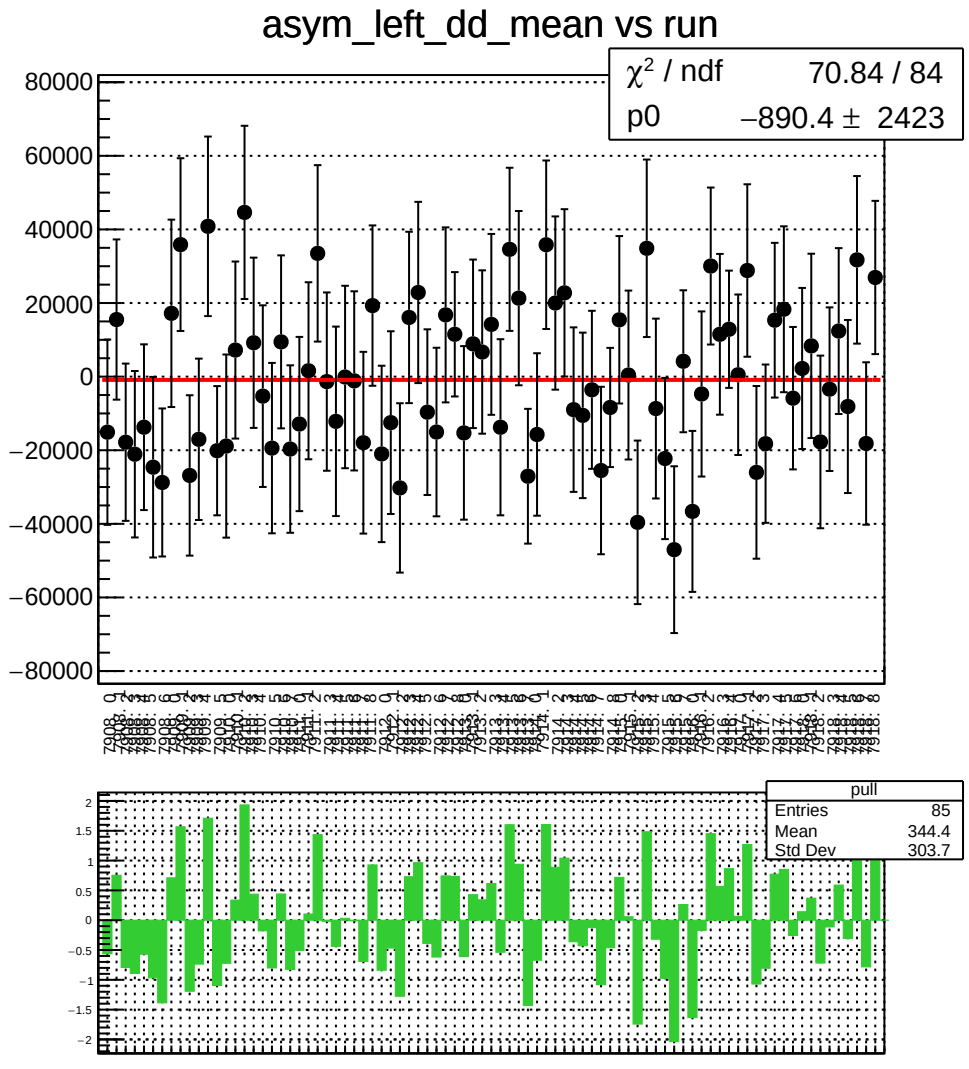

reg_asym_left_dd_mean vs run
χ² / ndf 68.18 / 84
p0 −773.6 ± 2284
pull
Entries 85
Mean 295.8
Std Dev 251.9

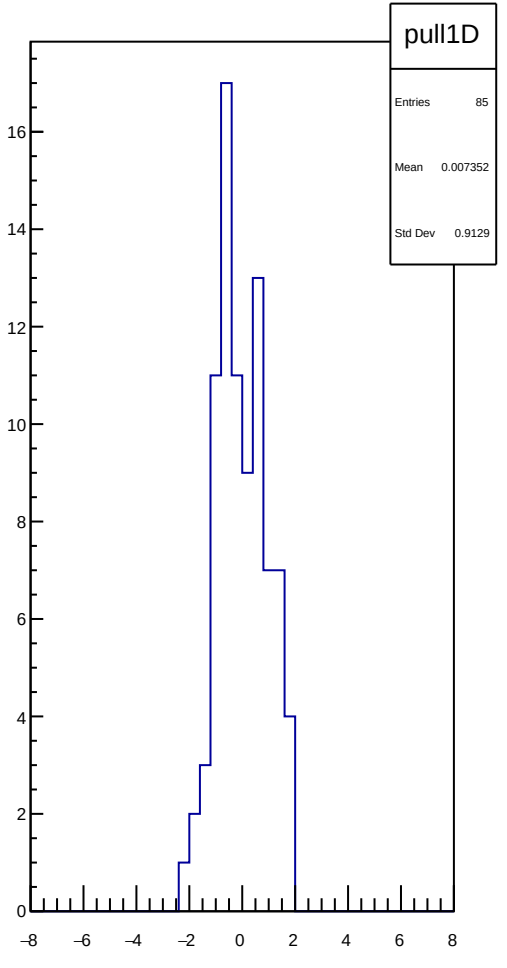

pull1D
Entries 85
Mean 0.006897
Std Dev 0.8956

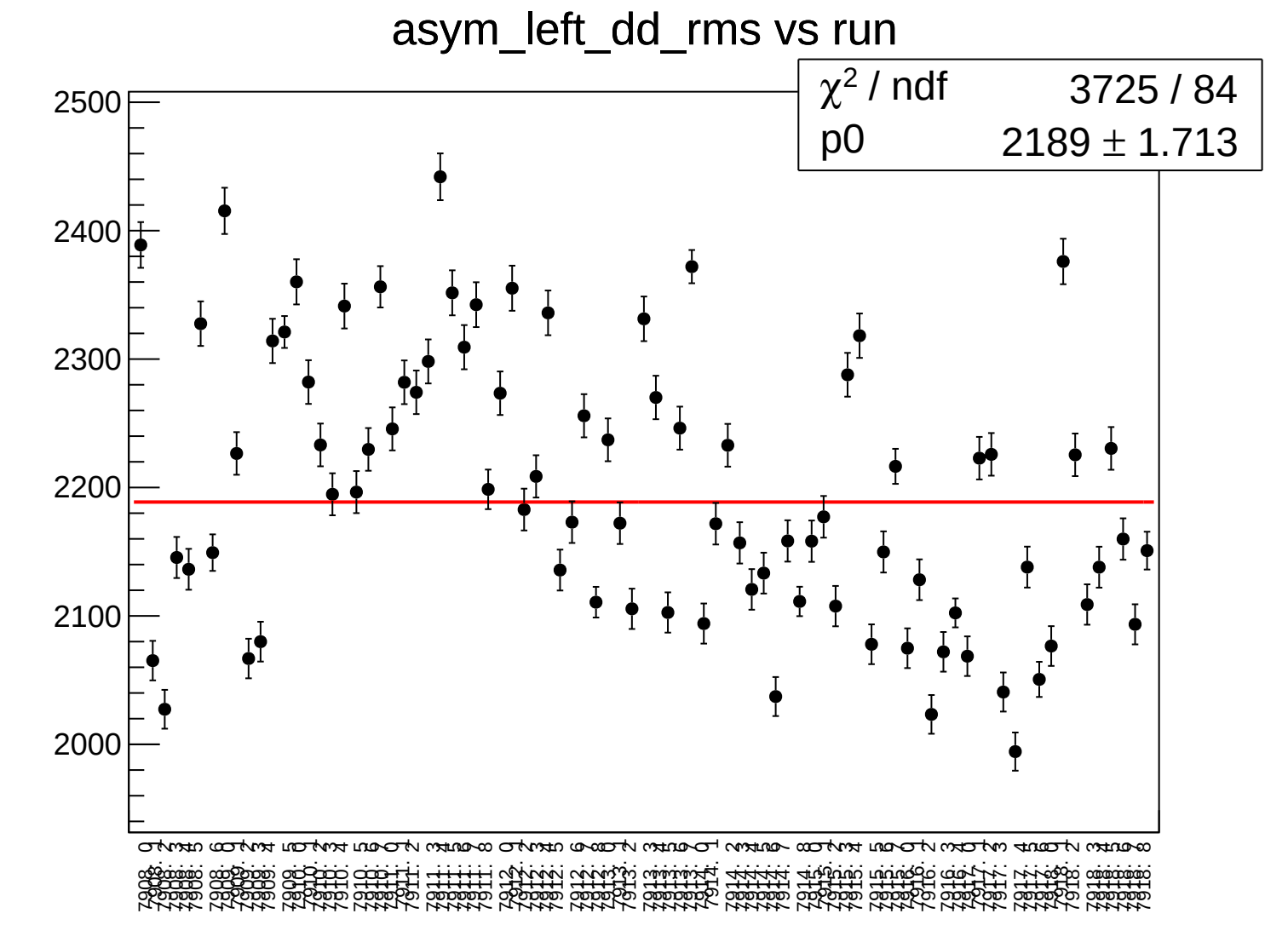

reg_asym_left_dd_rms vs run
χ² / ndf 3651 / 84
p0 2063 ± 1.615
2300
2200
2100
2000
1900

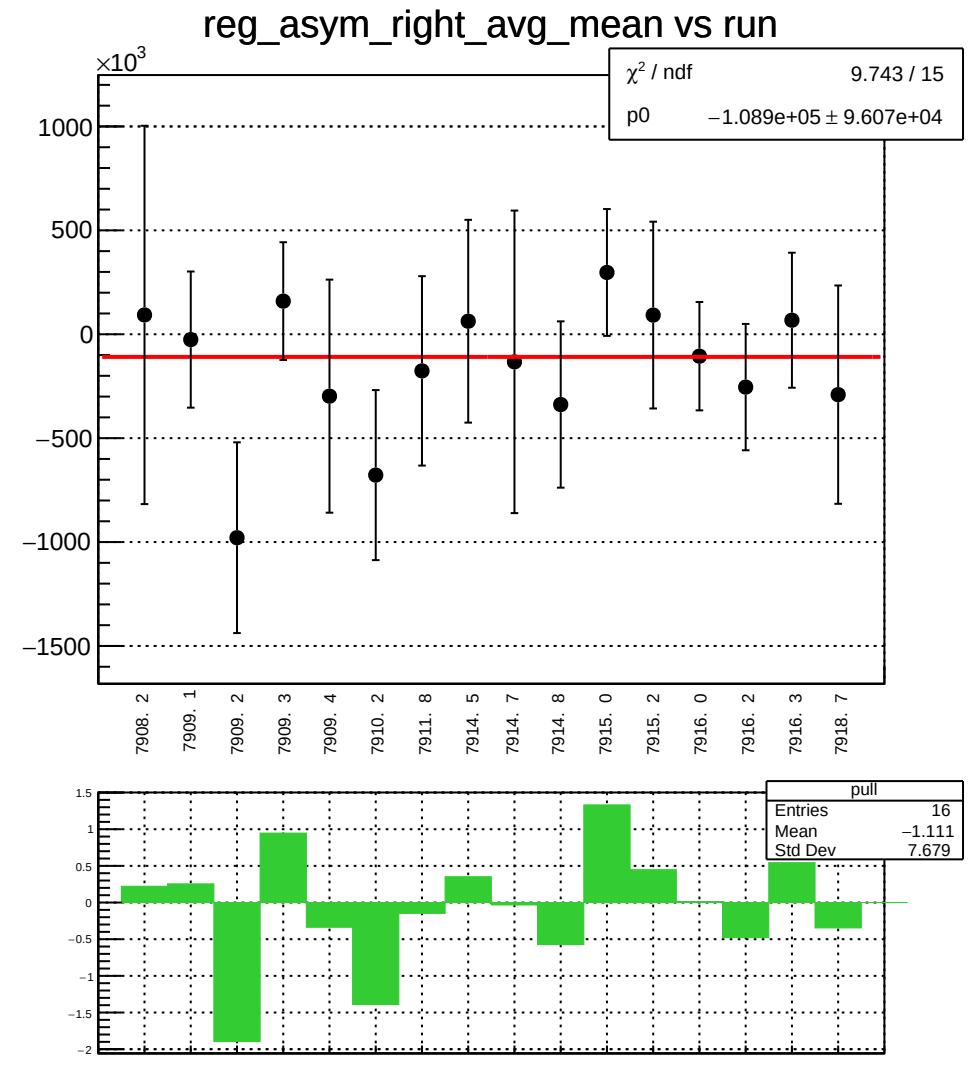

asym_left_dd_correction_mean vs run
χ² / ndf 82.2 / 84
p0 164.4 ± 791.1
pull
Entries 85
Mean 394.4
Std Dev 362.9
pull1D
Entries 85
Mean −0.004323
Std Dev 0.9834

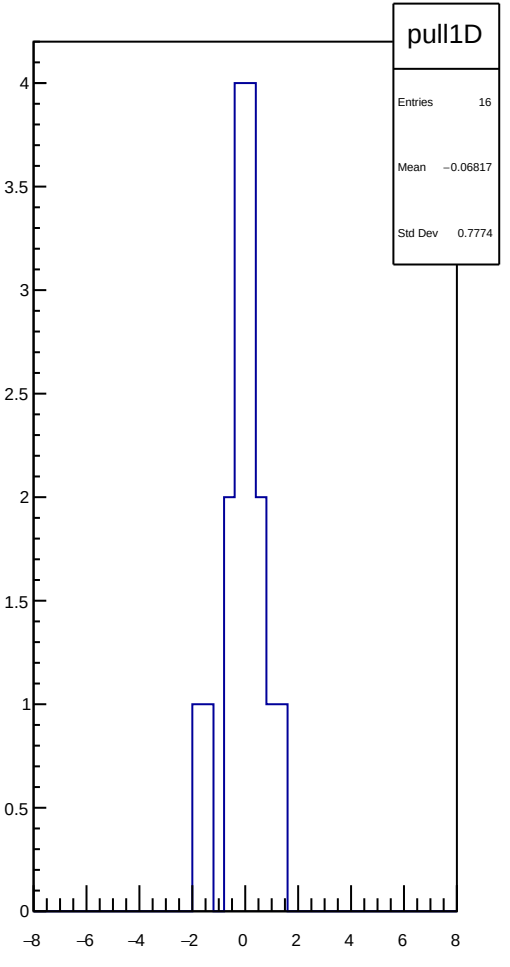

asym_left_dd_correction_rms vs run
χ² / ndf 2.405e+04 / 84
p0 710.1 ± 0.5594
950
900
850
800
750
700
650
600
550

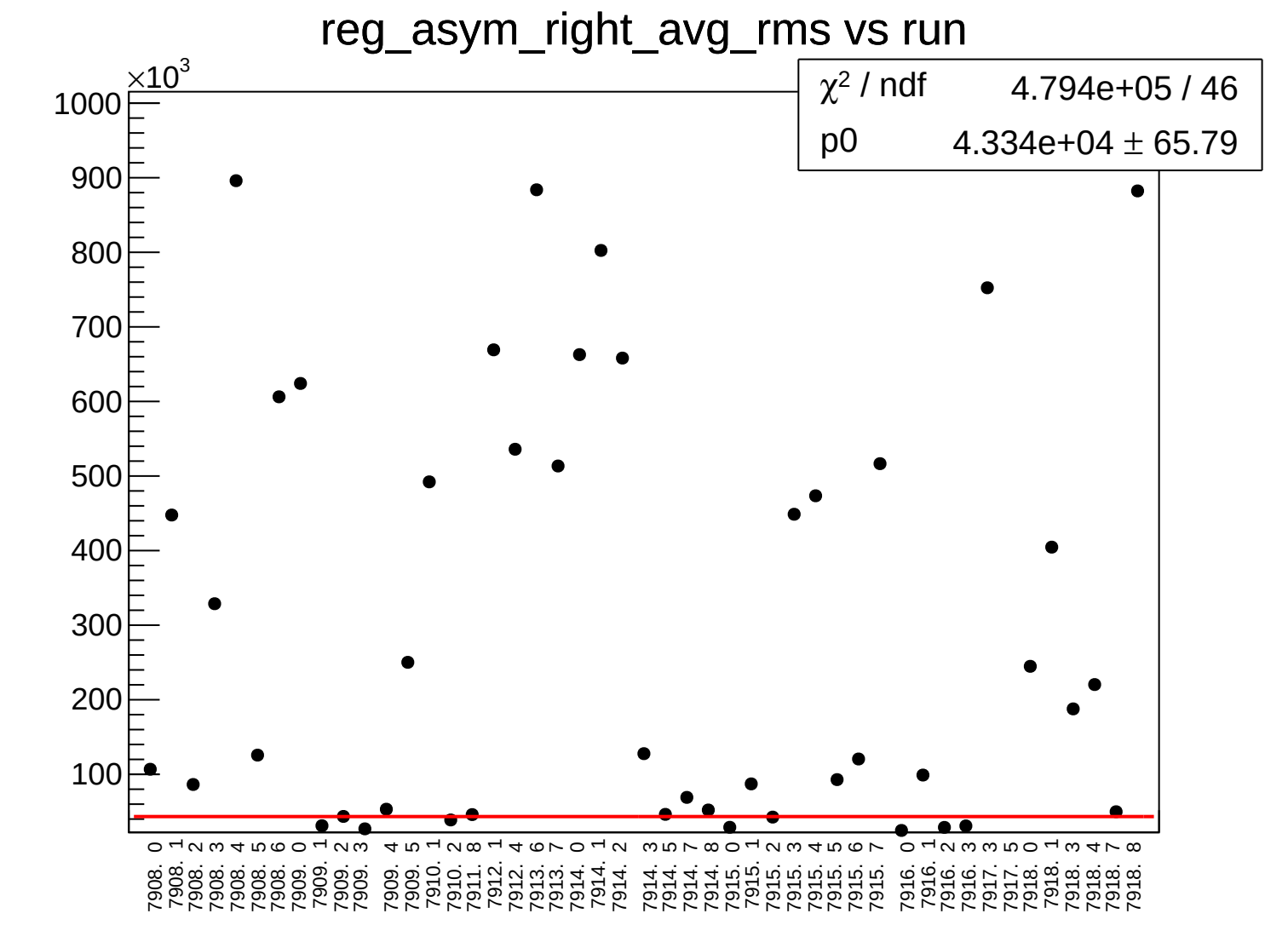

asym_left_dd_mean vs run
χ² / ndf 70.84 / 84
p0 −890.4 ± 2423
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 344.4
Std Dev 303.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

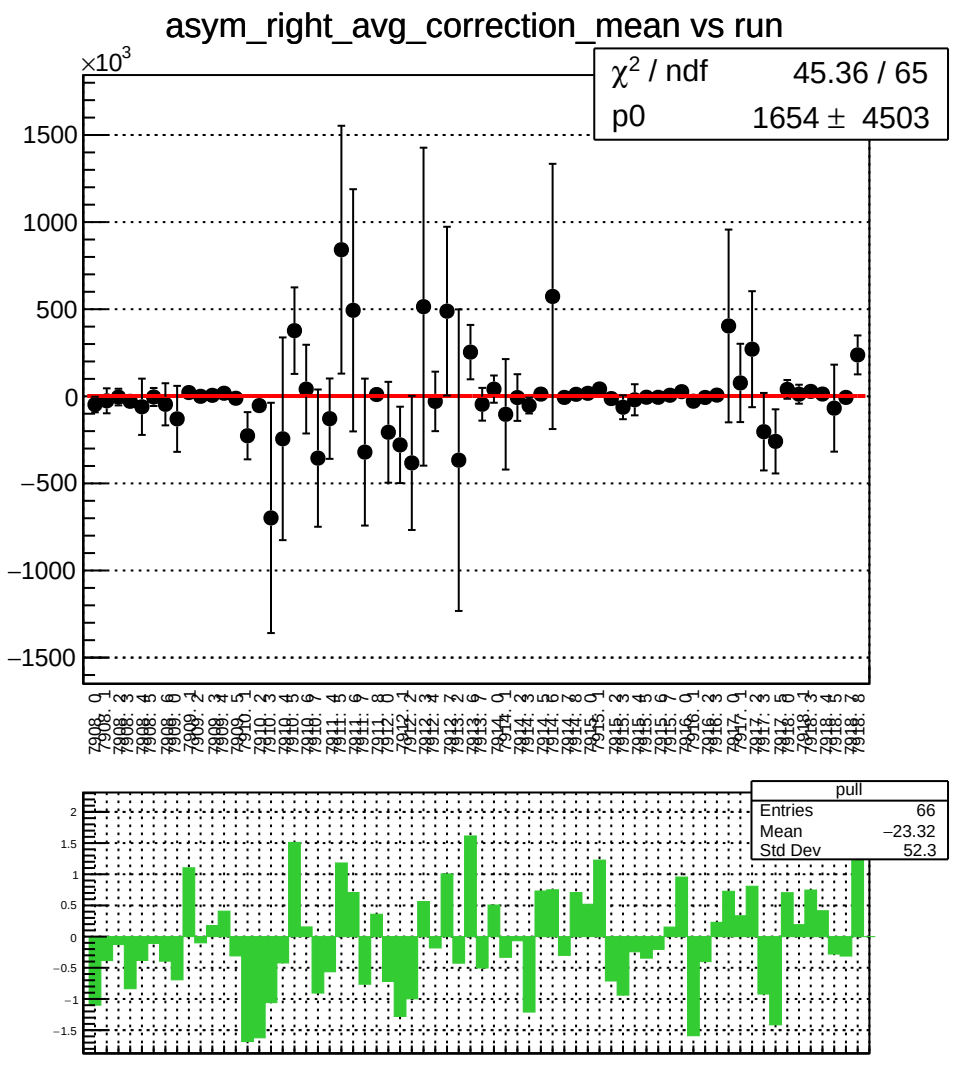

pull1D
Entries 85
Mean 0.007352
Std Dev 0.9129
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

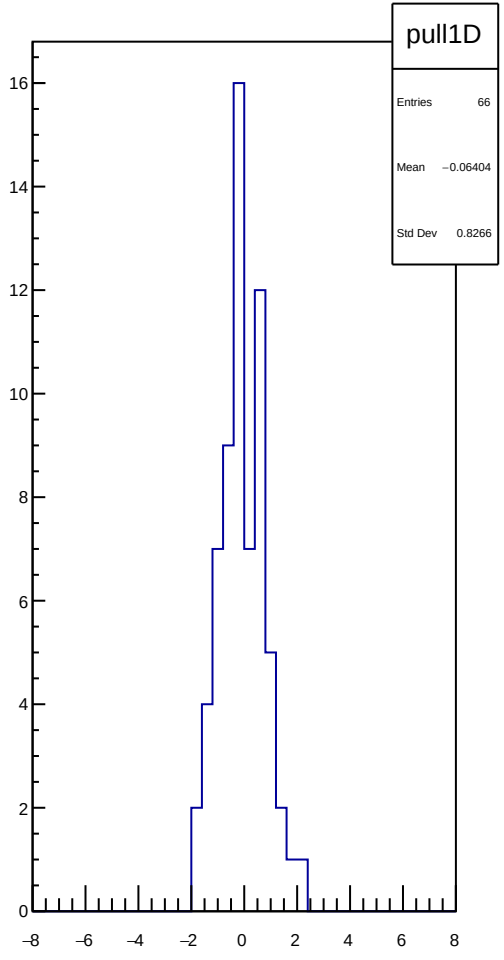

asym_left_dd_rms vs run
χ² / ndf 3725 / 84
p0 2189 ± 1.713
2500
2400
2300
2200
2100
2000

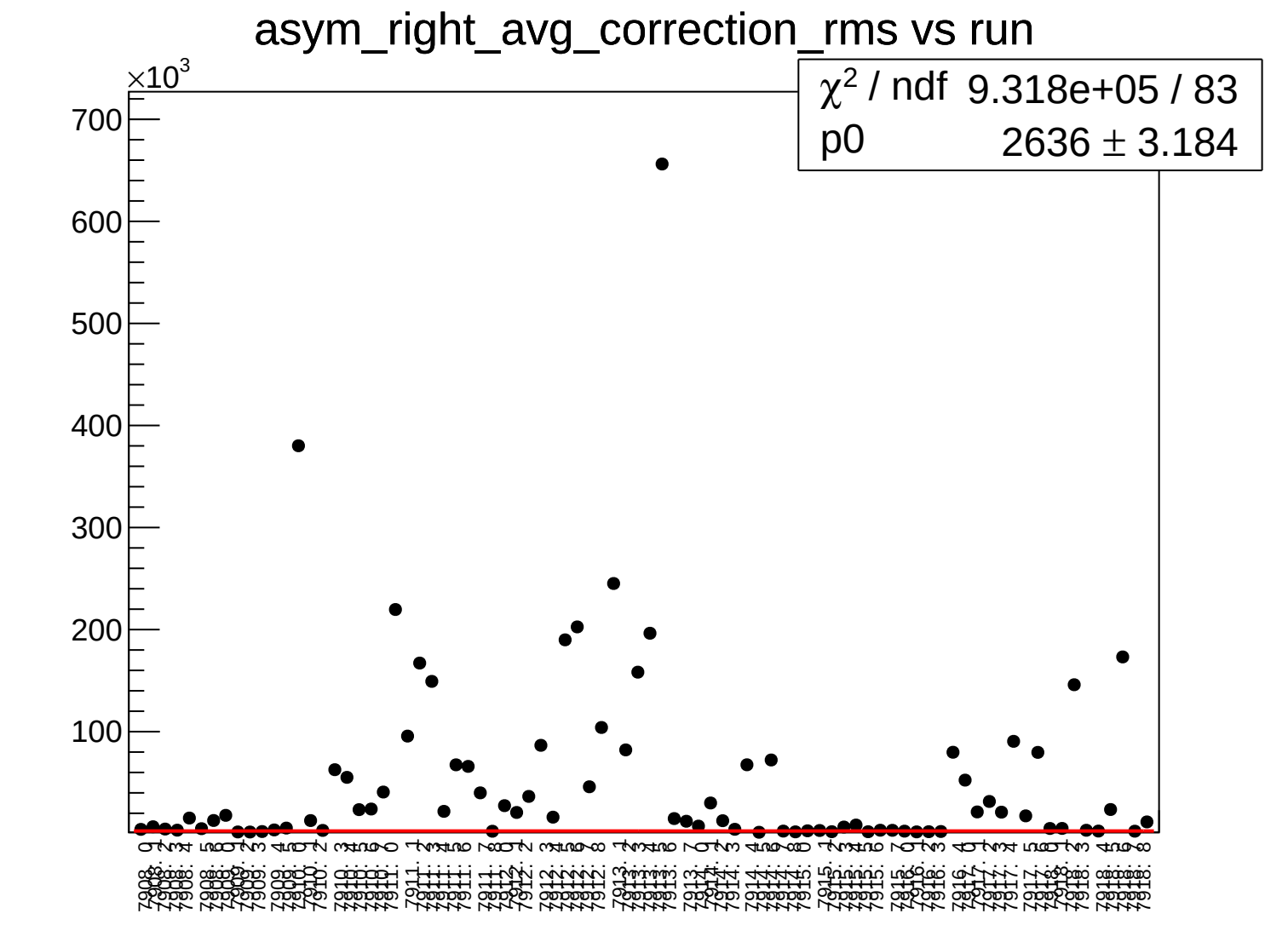

reg_asym_right_avg_mean vs run
×10^3
χ² / ndf 9.743 / 15
p0 −1.089e+05 ± 9.607e+04
1000
500
0
−500
−1000
−1500
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −1.111
Std Dev 7.679
1.5
1
0.5
0
−0.5
−1
−1.5
−2

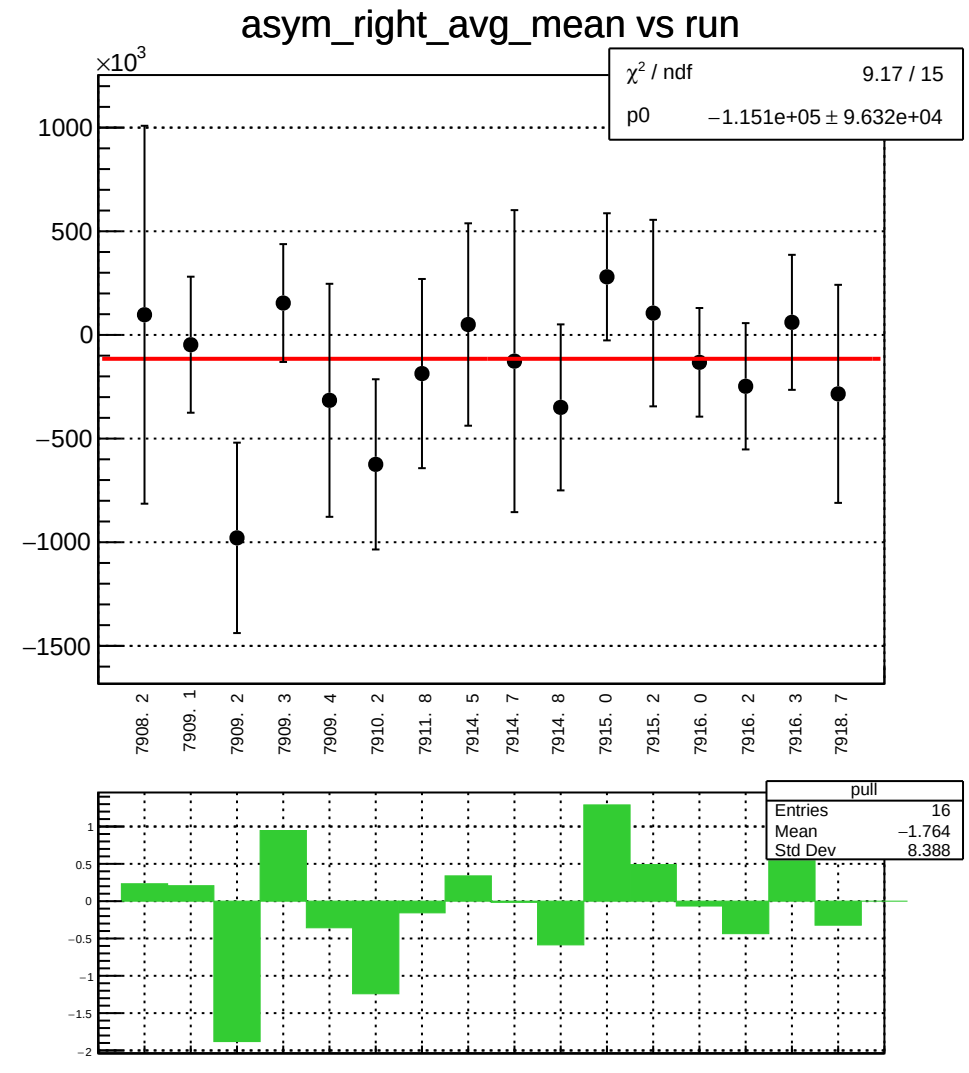

pull1D
Entries 16
Mean −0.06817
Std Dev 0.7774
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

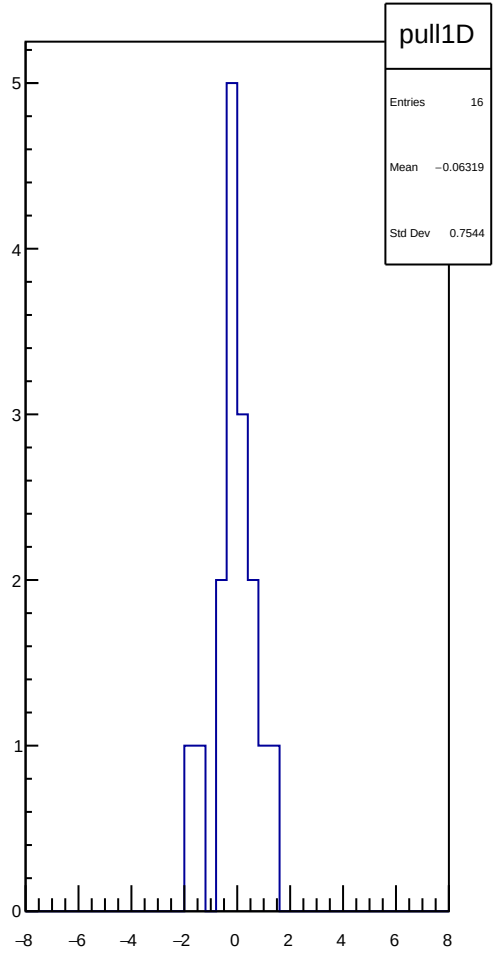

reg_asym_right_avg_rms vs run
×10^3
1000
900
800
700
600
500
400
300
200
100
χ² / ndf 4.794e+05 / 46
p0 4.334e+04 ± 65.79
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

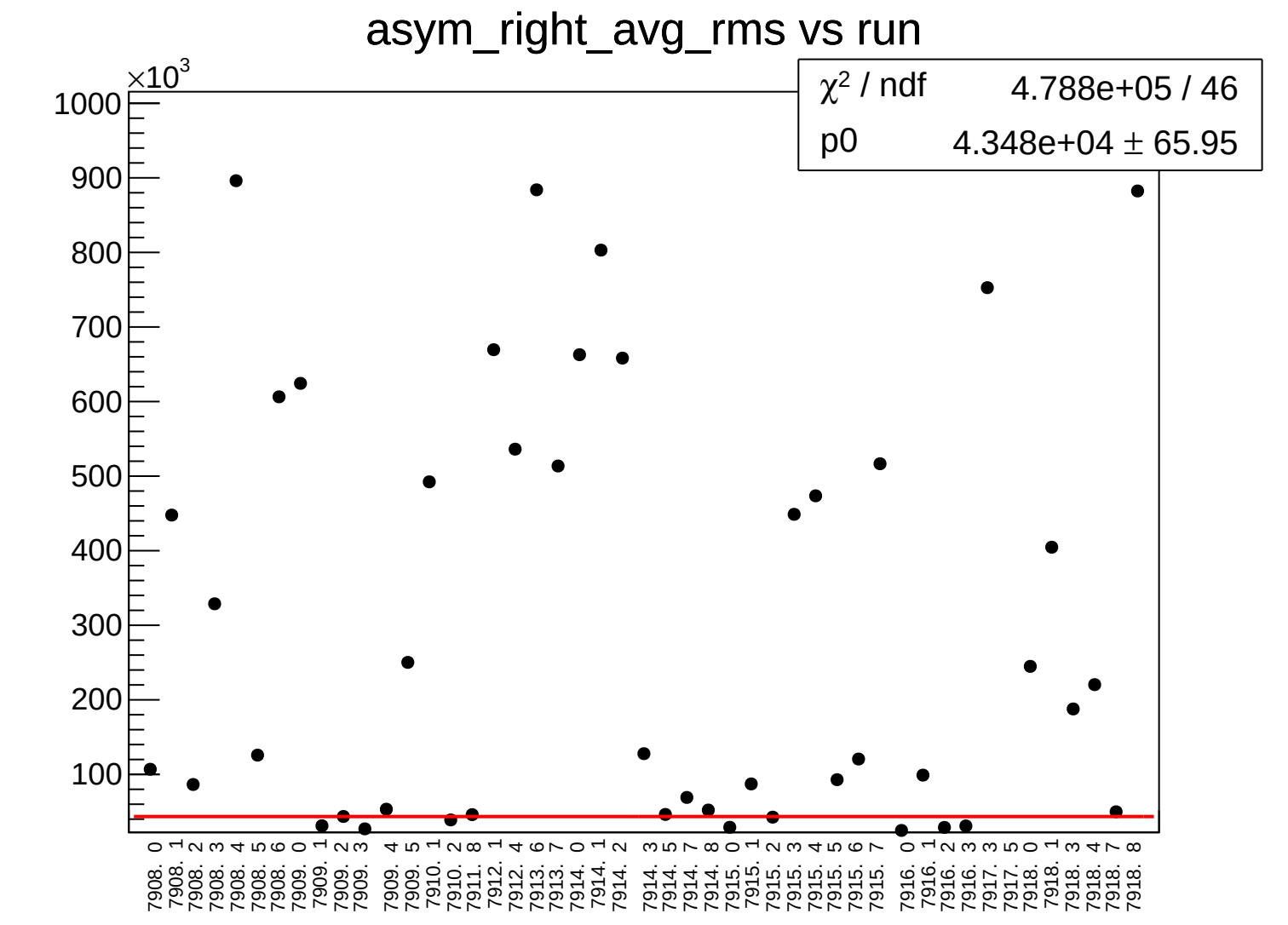

asym_right_avg_correction_mean vs run
×10^3
χ^2 / ndf 45.36 / 65
p0 1654 ± 4503
1500
1000
500
0
−500
−1000
−1500
pull
Entries 66
Mean −23.32
Std Dev 52.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

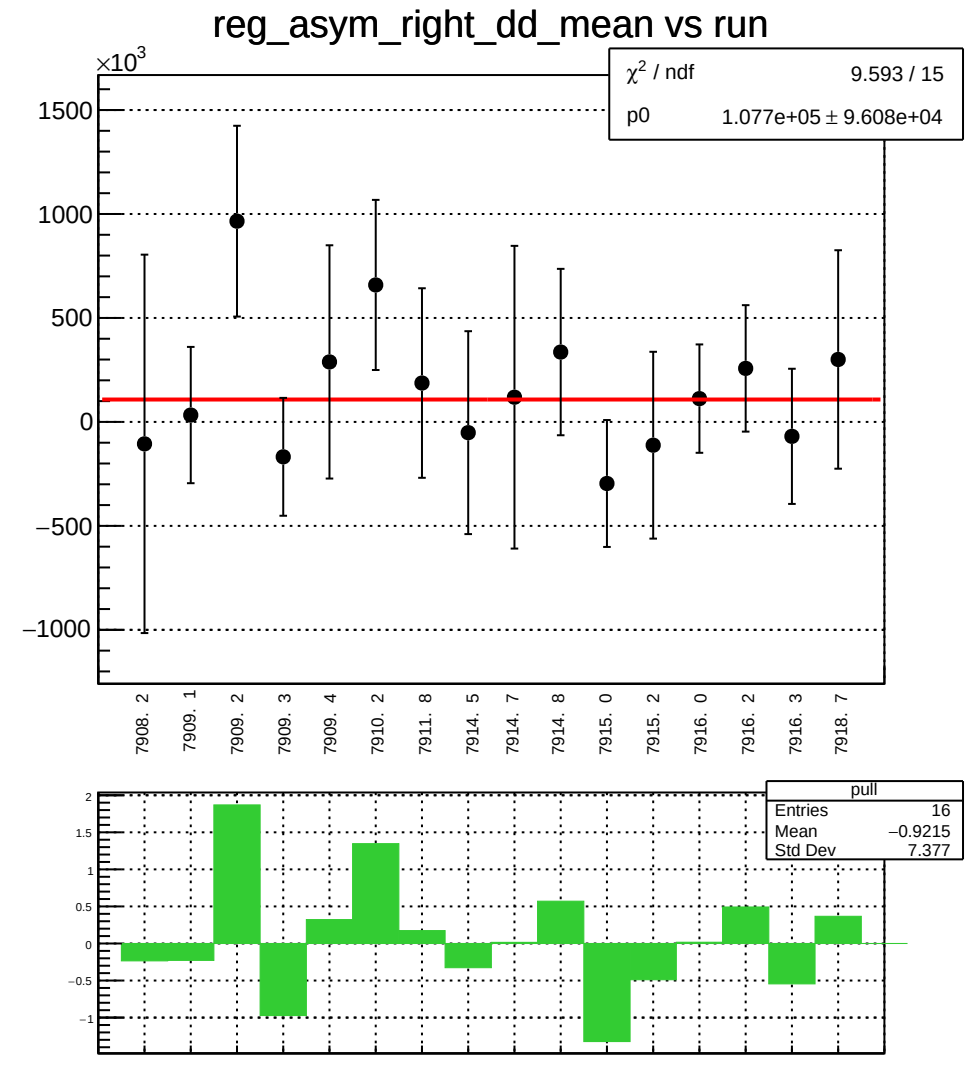

pull1D
Entries 66
Mean −0.06404
Std Dev 0.8266
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

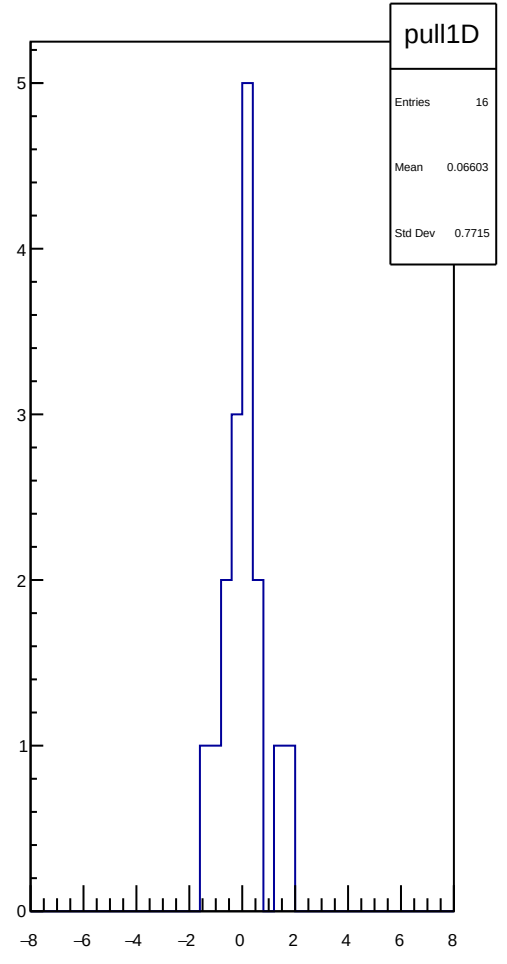

asym_right_avg_correction_rms vs run
×10^3
700
600
500
400
300
200
100
χ² / ndf 9.318e+05 / 83
p0 2636 ± 3.184

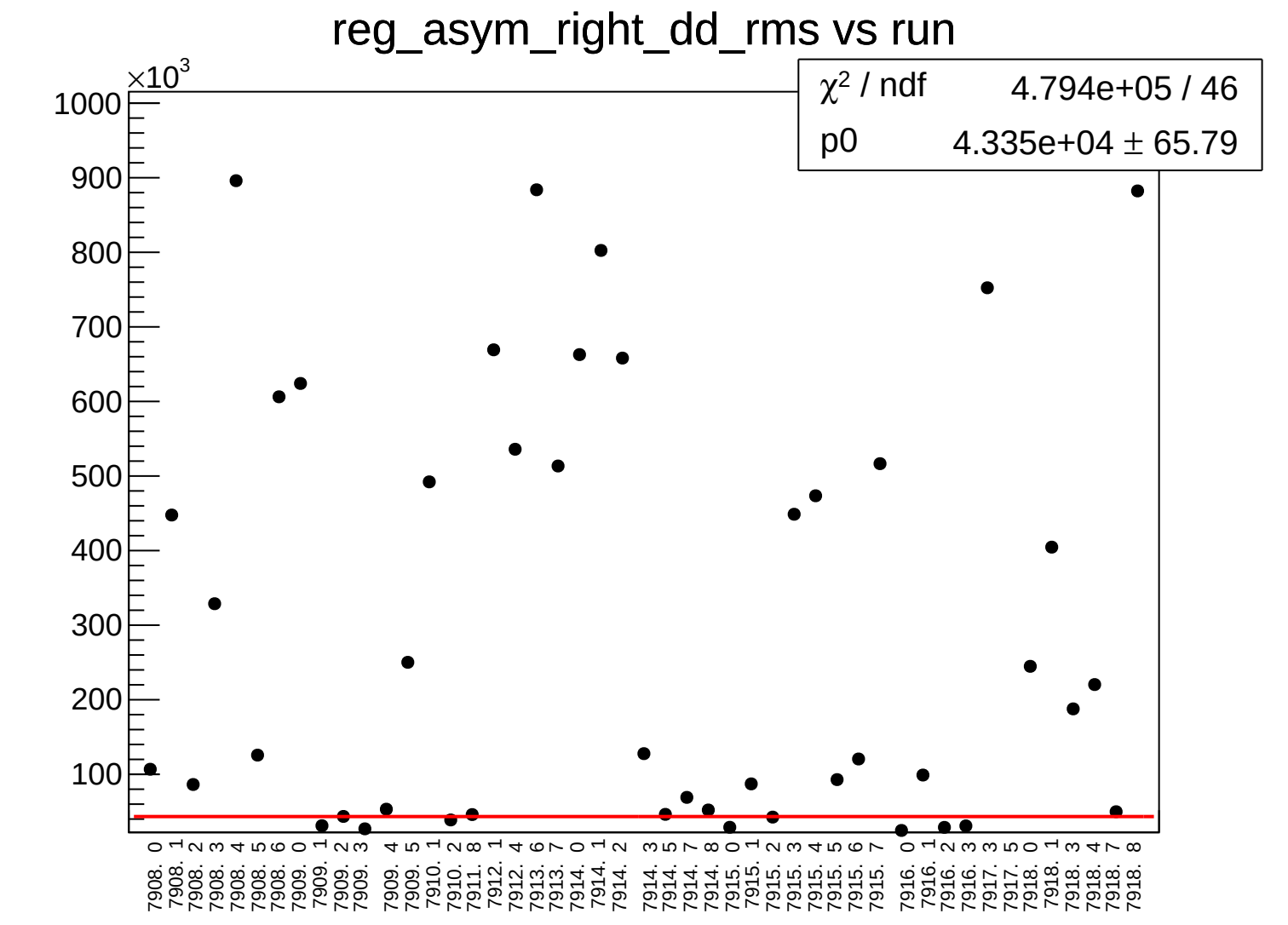

asym_right_avg_mean vs run
×10^3
χ² / ndf 9.17 / 15
p0 −1.151e+05 ± 9.632e+04
1000
500
0
−500
−1000
−1500
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −1.764
Std Dev 8.388
1
0.5
0
−0.5
−1
−1.5
−2

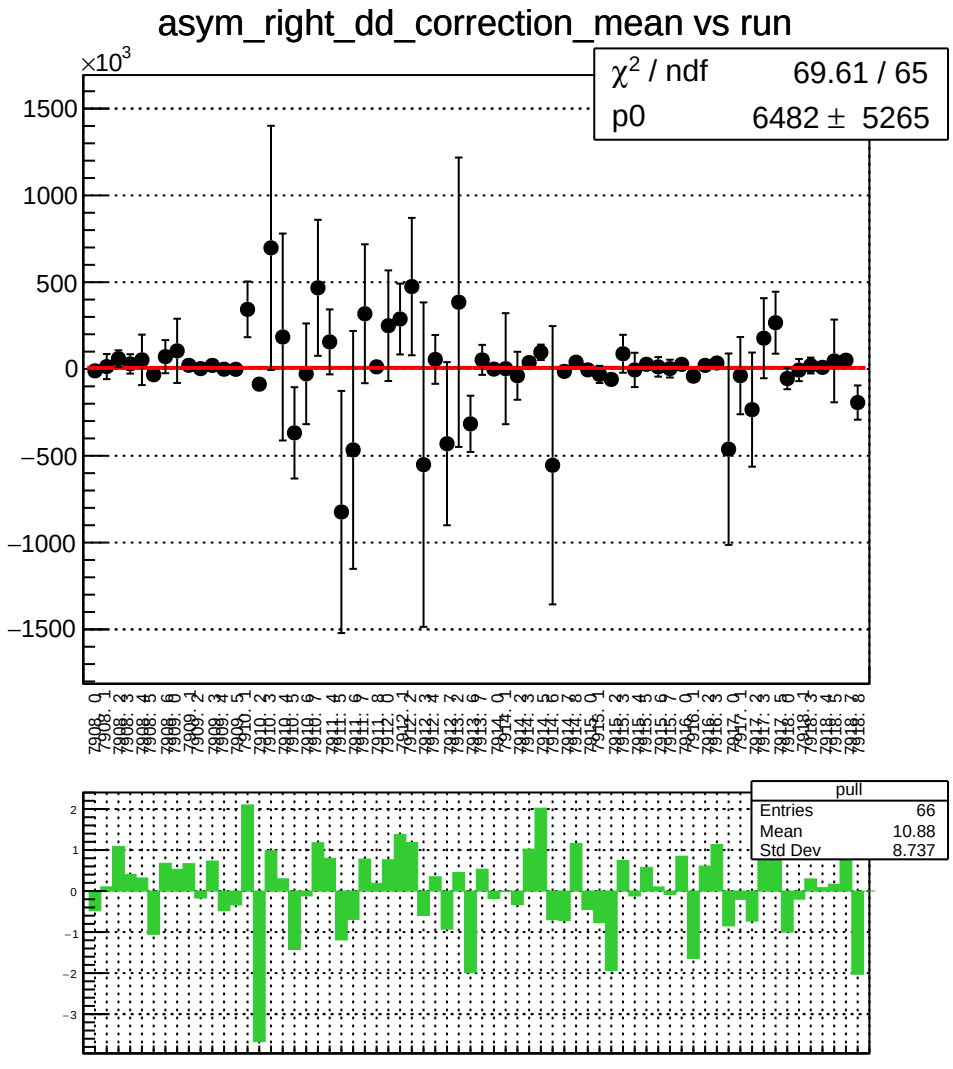

pull1D
Entries 16
Mean −0.06319
Std Dev 0.7544
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

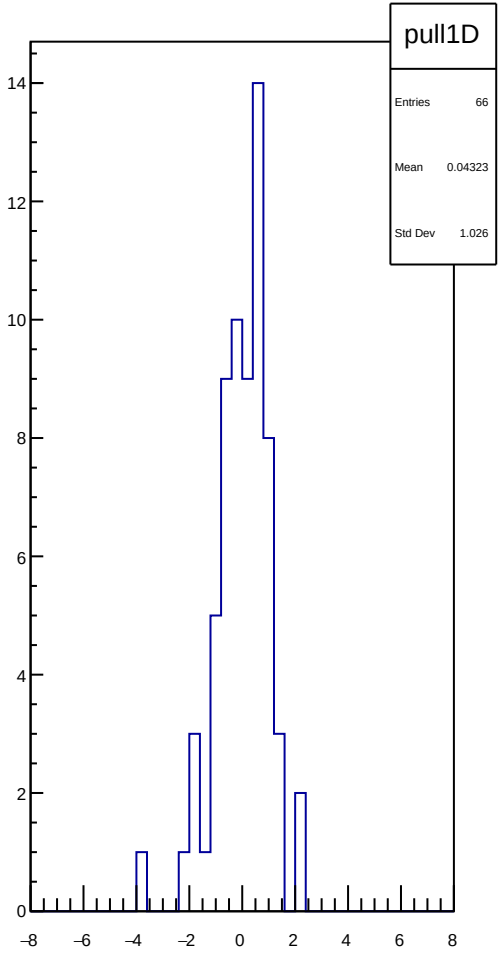

asym_right_avg_rms vs run
×10^3
1000
900
800
700
600
500
400
300
200
100
χ² / ndf 4.788e+05 / 46
p0 4.348e+04 ± 65.95
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

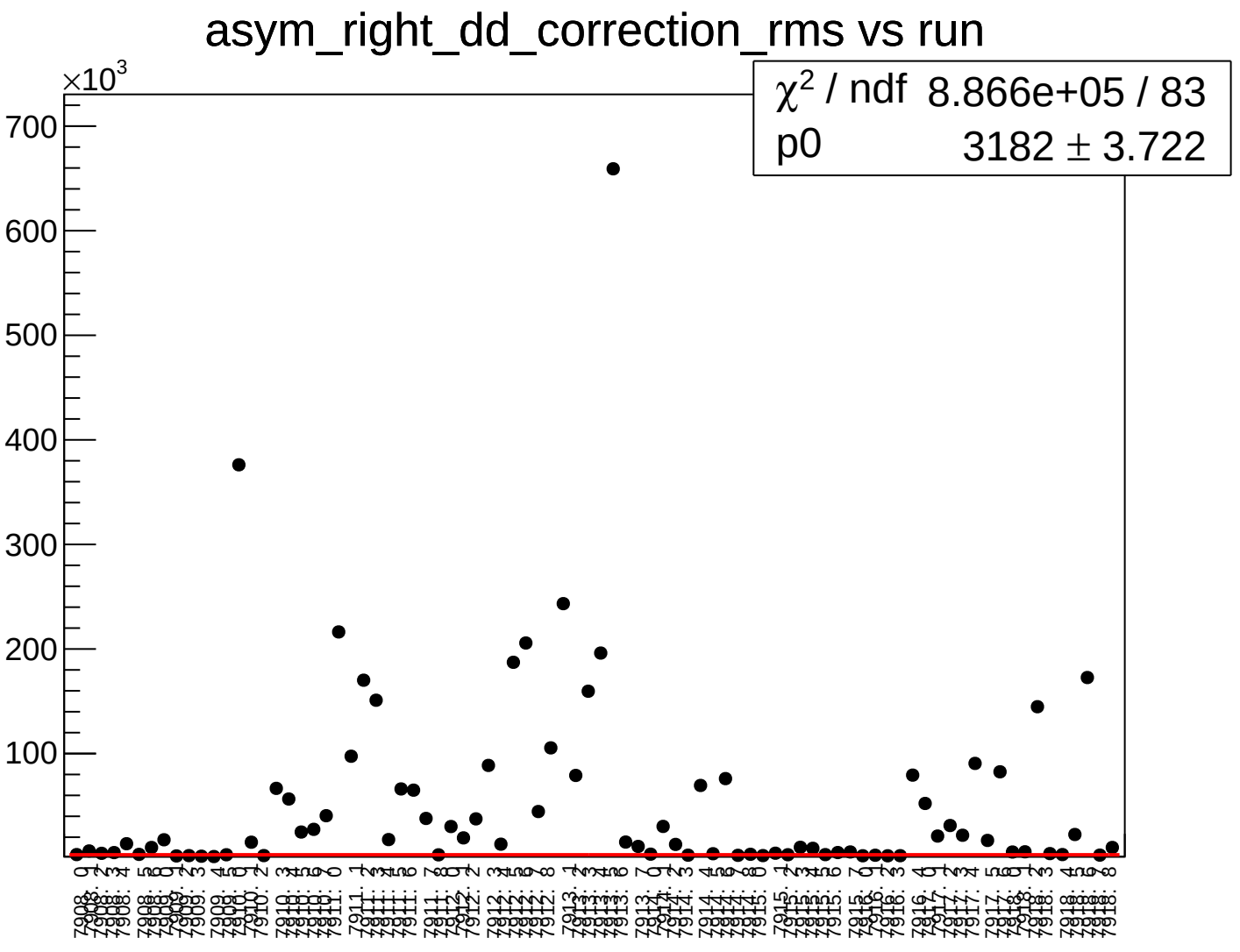

reg_asym_right_dd_mean vs run
×10^3
χ² / ndf 9.593 / 15
p0 1.077e+05 ± 9.608e+04
1500
1000
500
0
−500
−1000
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −0.9215
Std Dev 7.377
2
1.5
1
0.5
0
−0.5
−1

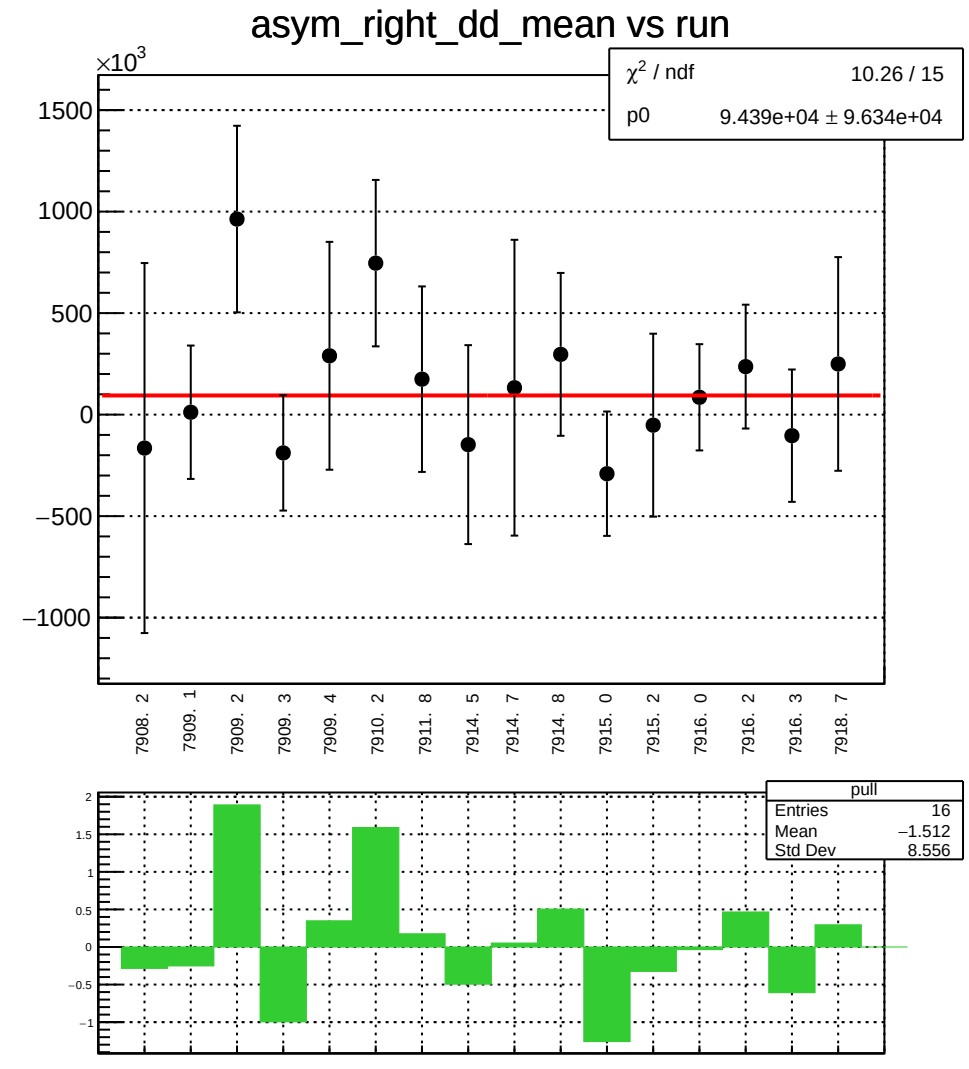

pull1D
Entries 16
Mean 0.06603
Std Dev 0.7715
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

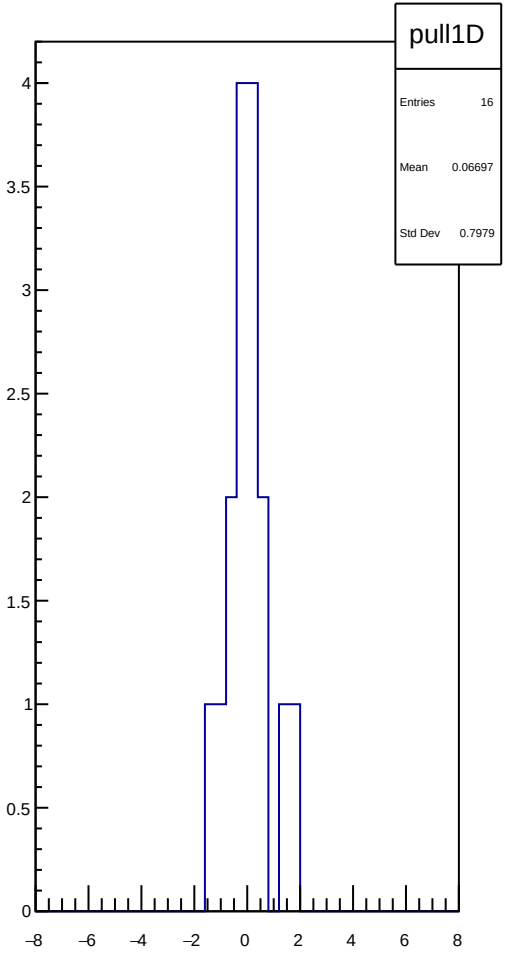

reg_asym_right_dd_rms vs run
×10^3
χ² / ndf 4.794e+05 / 46
p0 4.335e+04 ± 65.79
1000
900
800
700
600
500
400
300
200
100
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

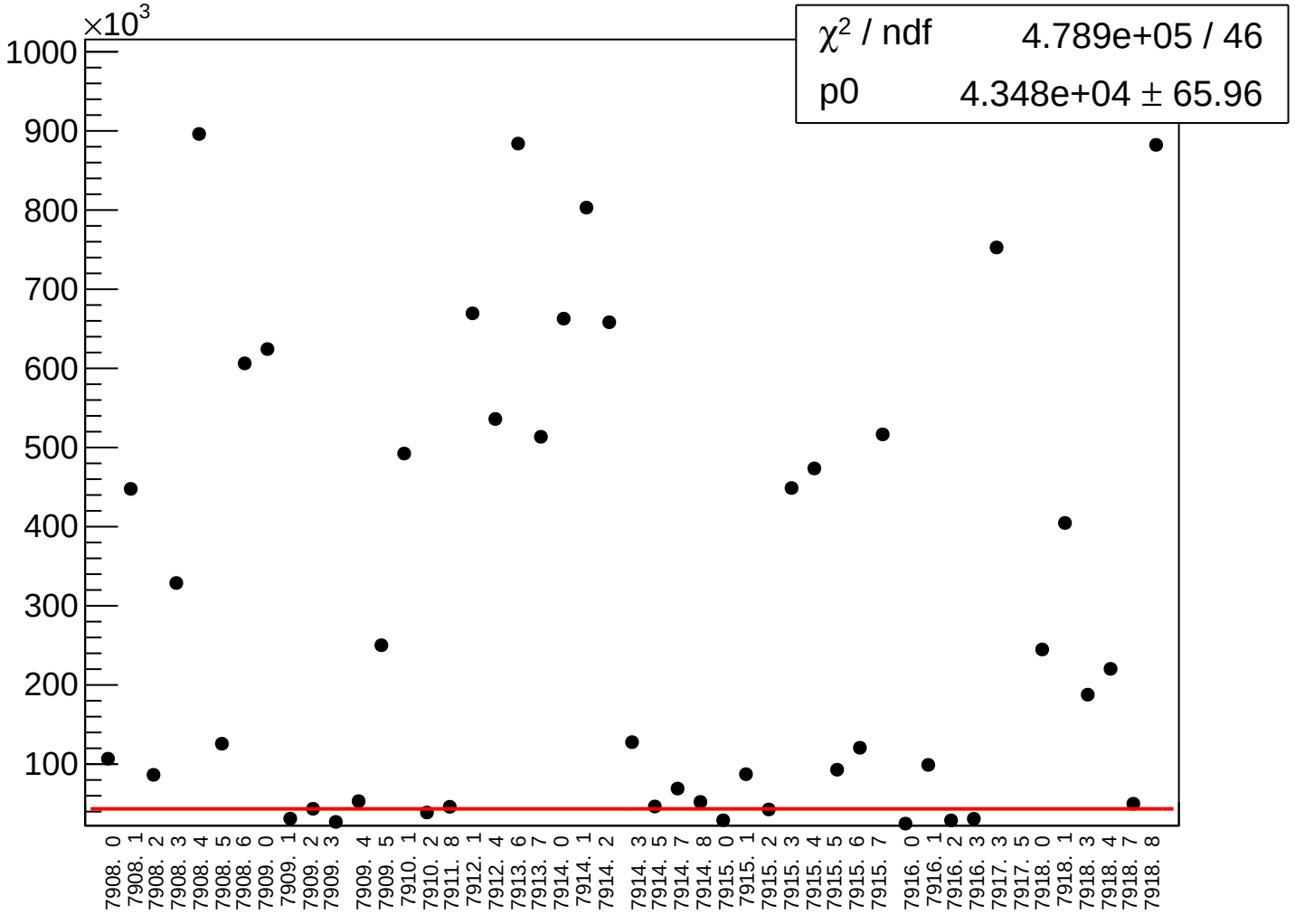

asym_right_dd_correction_mean vs run
χ² / ndf 69.61 / 65
p0 6482 ± 5265
×10³
1500
1000
500
0
−500
−1000
−1500
pull
Entries 66
Mean 10.88
Std Dev 8.737
2
1
0
−1
−2
−3

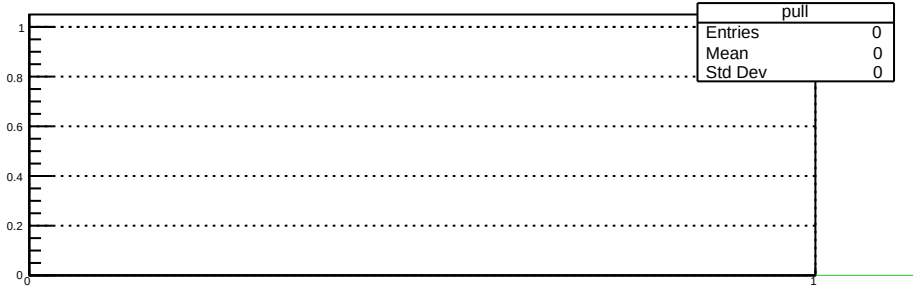

pull1D
Entries 66
Mean 0.04323
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

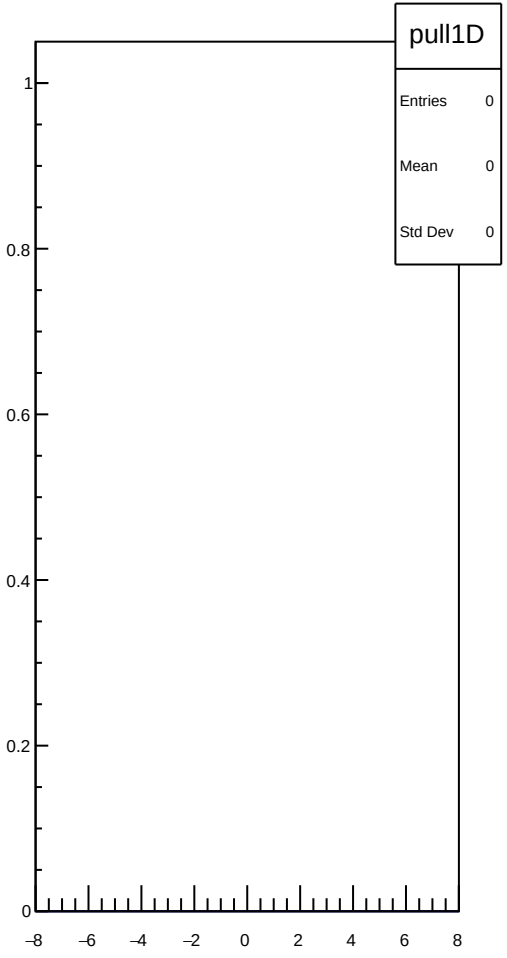

asym_right_dd_correction_rms vs run
×10^3
700
600
500
400
300
200
100
χ² / ndf 8.866e+05 / 83
p0 3182 ± 3.722

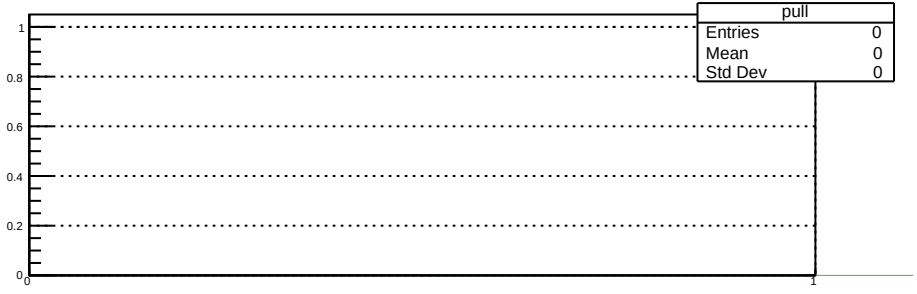

asym_right_dd_mean vs run
×10^3
χ² / ndf 10.26 / 15
p0 9.439e+04 ± 9.634e+04
1500
1000
500
0
−500
−1000
7908. 2
7909. 1
7909. 2
7909. 3
7909. 4
7910. 2
7911. 8
7914. 5
7914. 7
7914. 8
7915. 0
7915. 2
7916. 0
7916. 2
7916. 3
7918. 7
pull
Entries 16
Mean −1.512
Std Dev 8.556
2
1.5
1
0.5
0
−0.5
−1

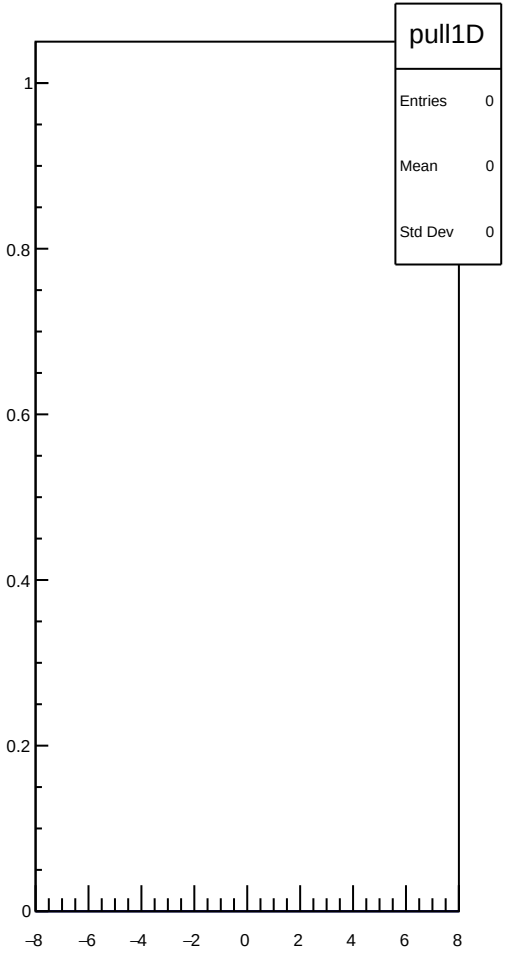

pull1D
Entries 16
Mean 0.06697
Std Dev 0.7979
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

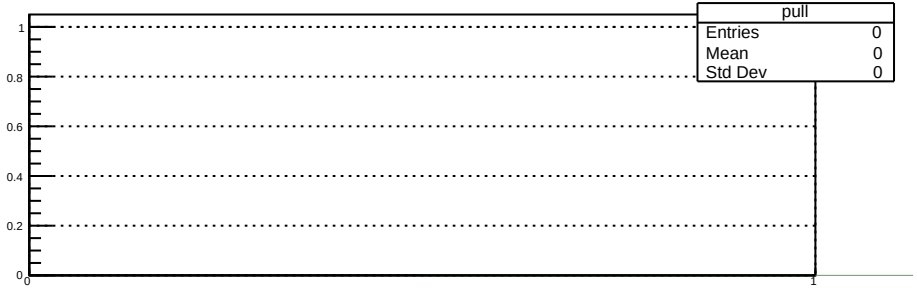

asym_right_dd_rms vs run
χ² / ndf 4.789e+05 / 46
p0 4.348e+04 ± 65.96
×10³
1000
900
800
700
600
500
400
300
200
100
7908. 0
7908. 1
7908. 2
7908. 3
7908. 4
7908. 5
7908. 6
7909. 0
7909. 1
7909. 2
7909. 3
7909. 4
7909. 5
7910. 1
7910. 2
7911. 8
7912. 1
7912. 4
7913. 6
7913. 7
7914. 0
7914. 1
7914. 2
7914. 3
7914. 5
7914. 7
7914. 8
7915. 0
7915. 1
7915. 2
7915. 3
7915. 4
7915. 5
7915. 6
7915. 7
7916. 0
7916. 1
7916. 2
7916. 3
7917. 3
7917. 5
7918. 0
7918. 1
7918. 3
7918. 4
7918. 7
7918. 8

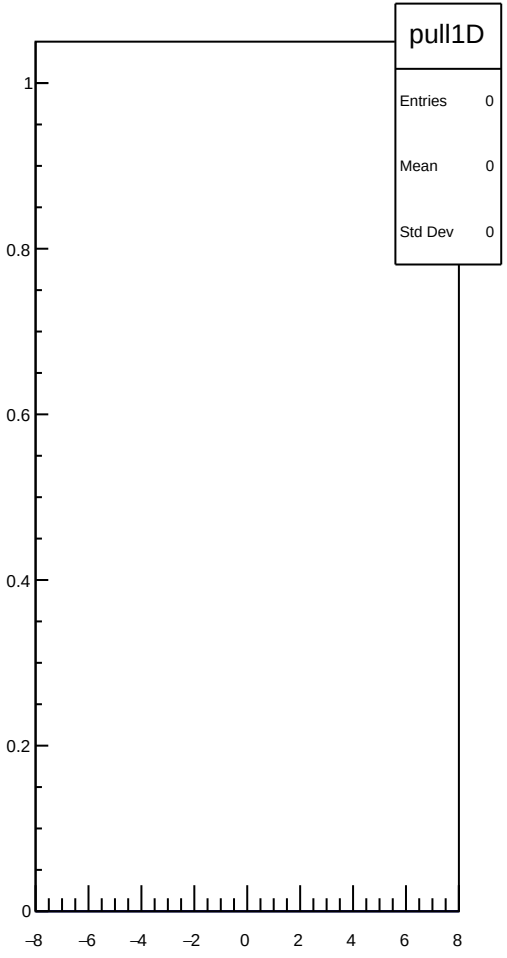

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

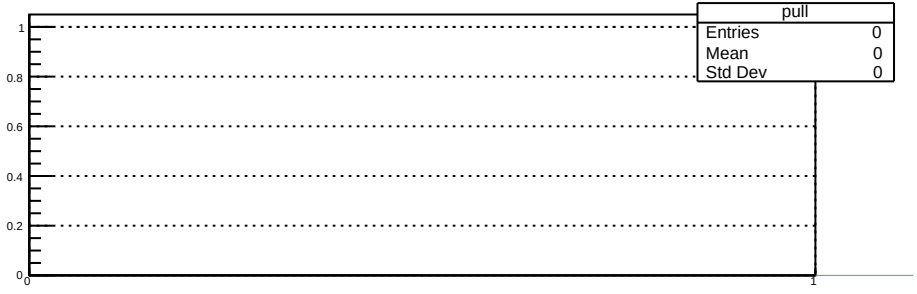

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

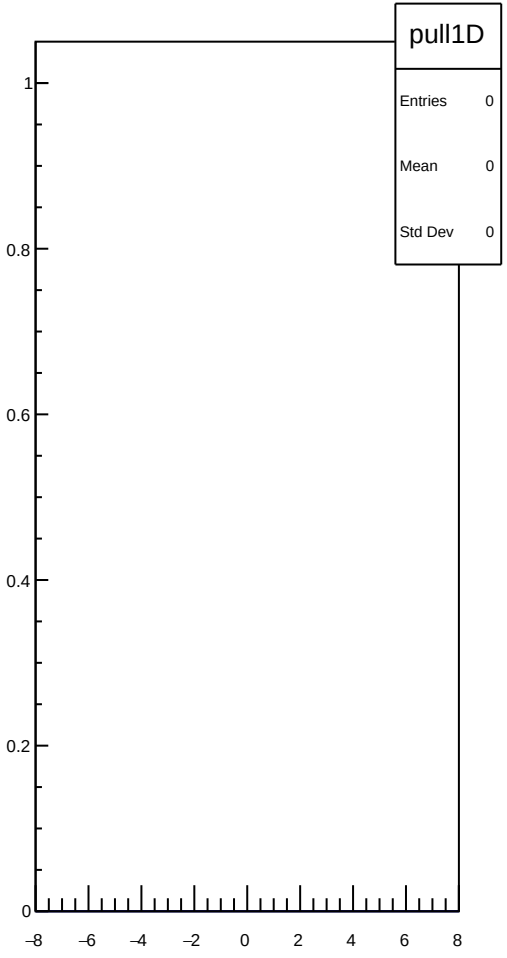

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

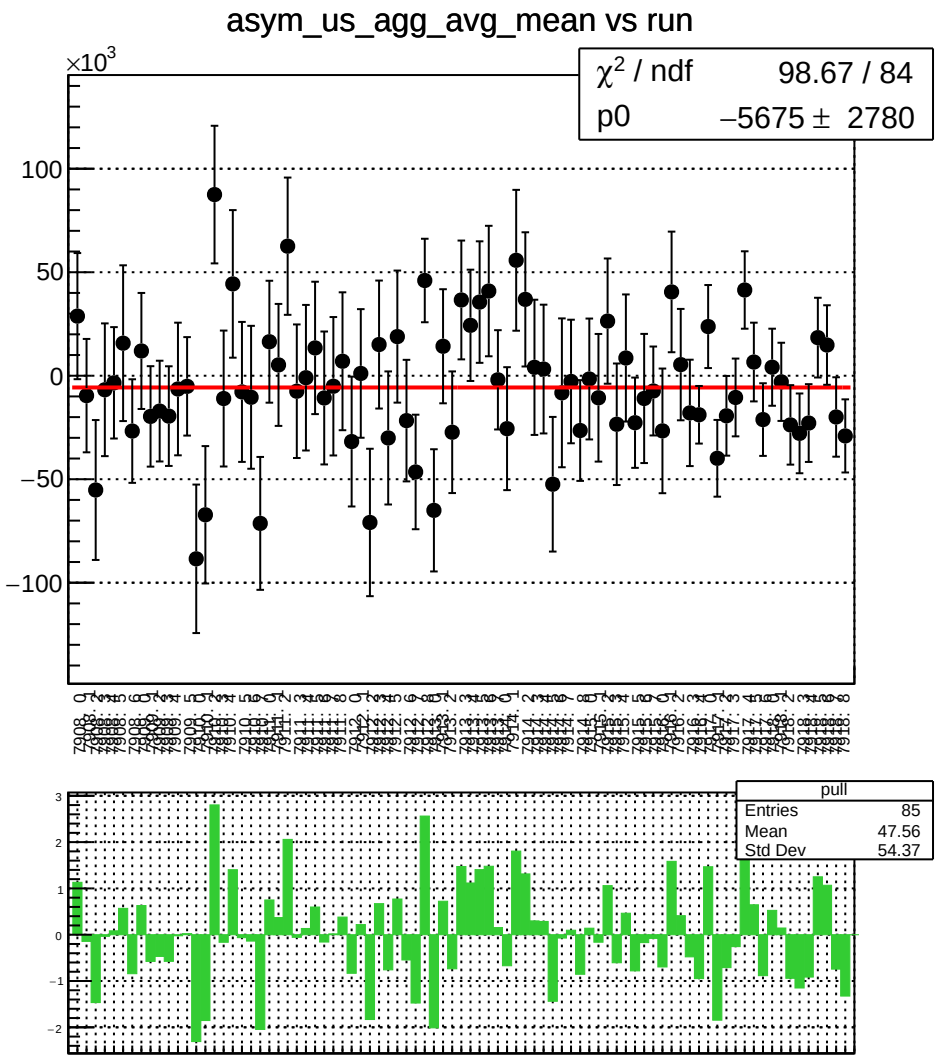

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

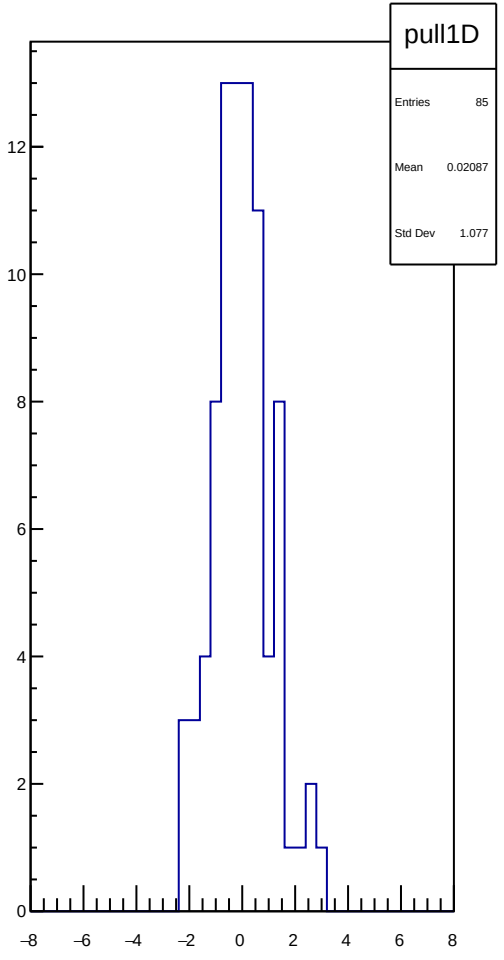

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

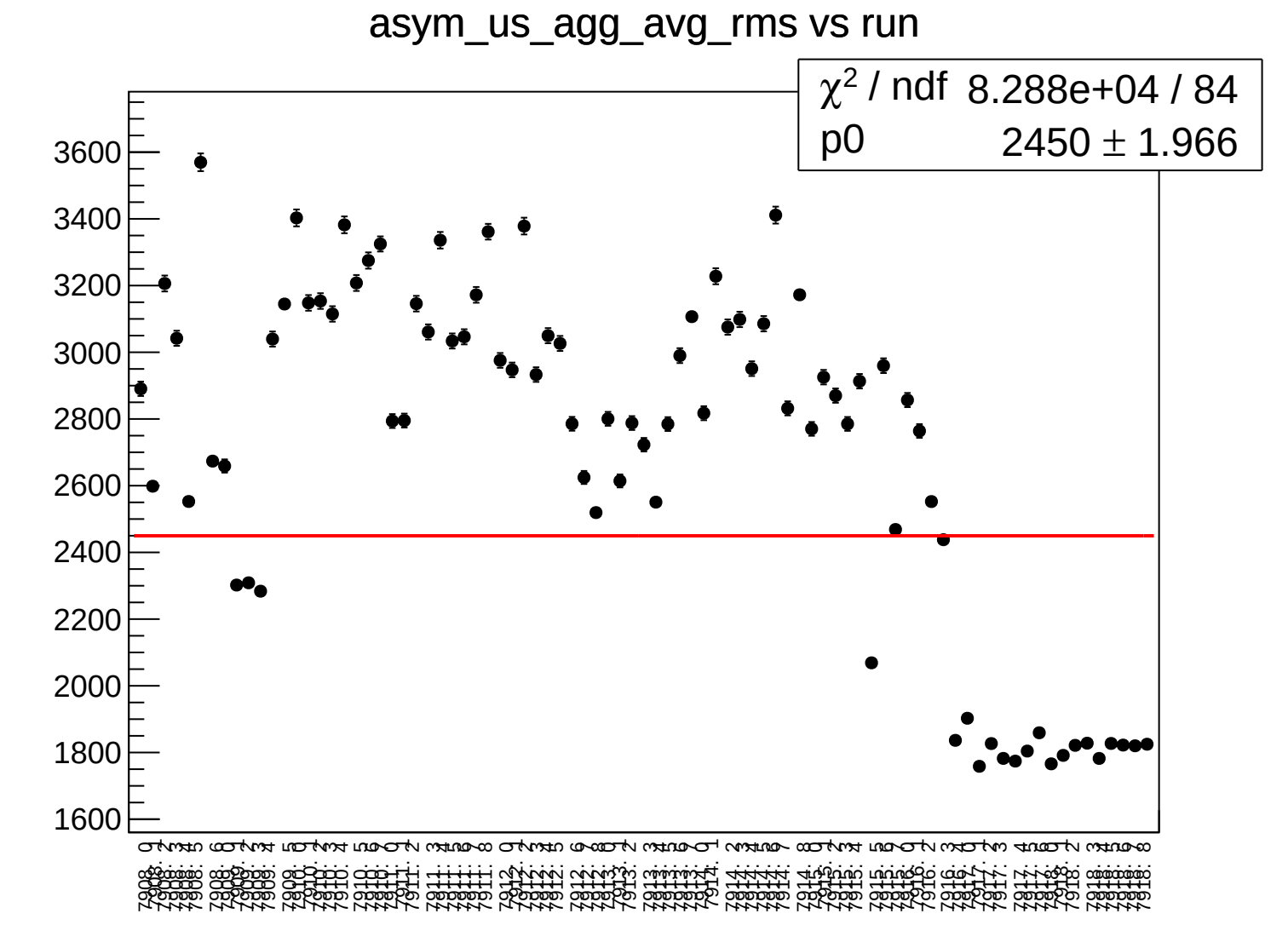

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

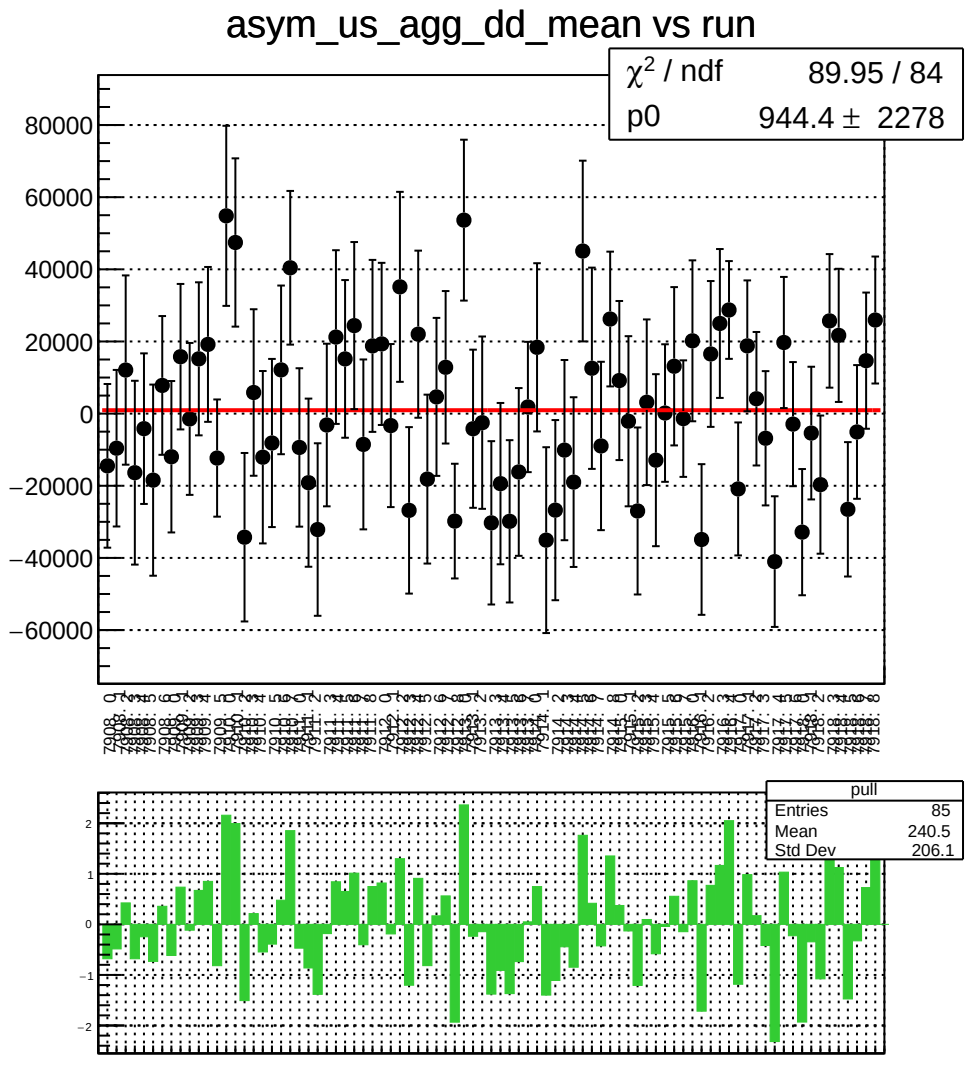

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

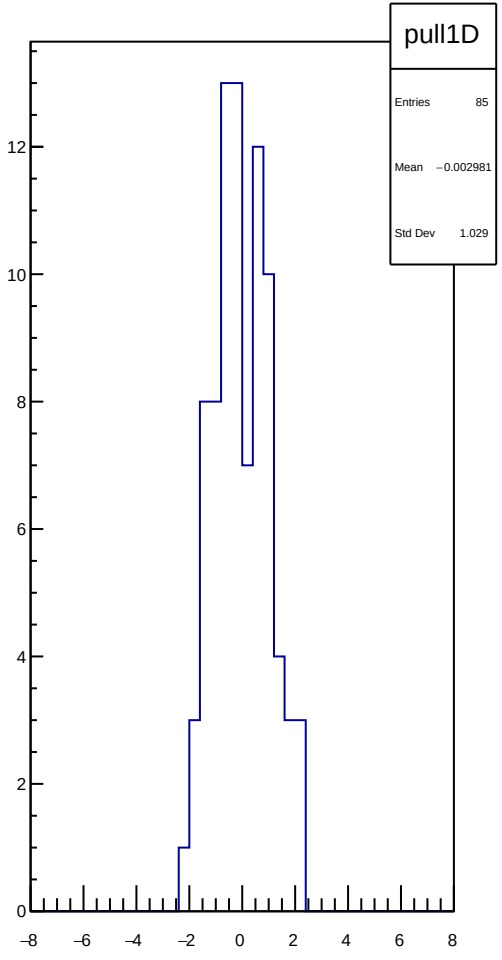

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

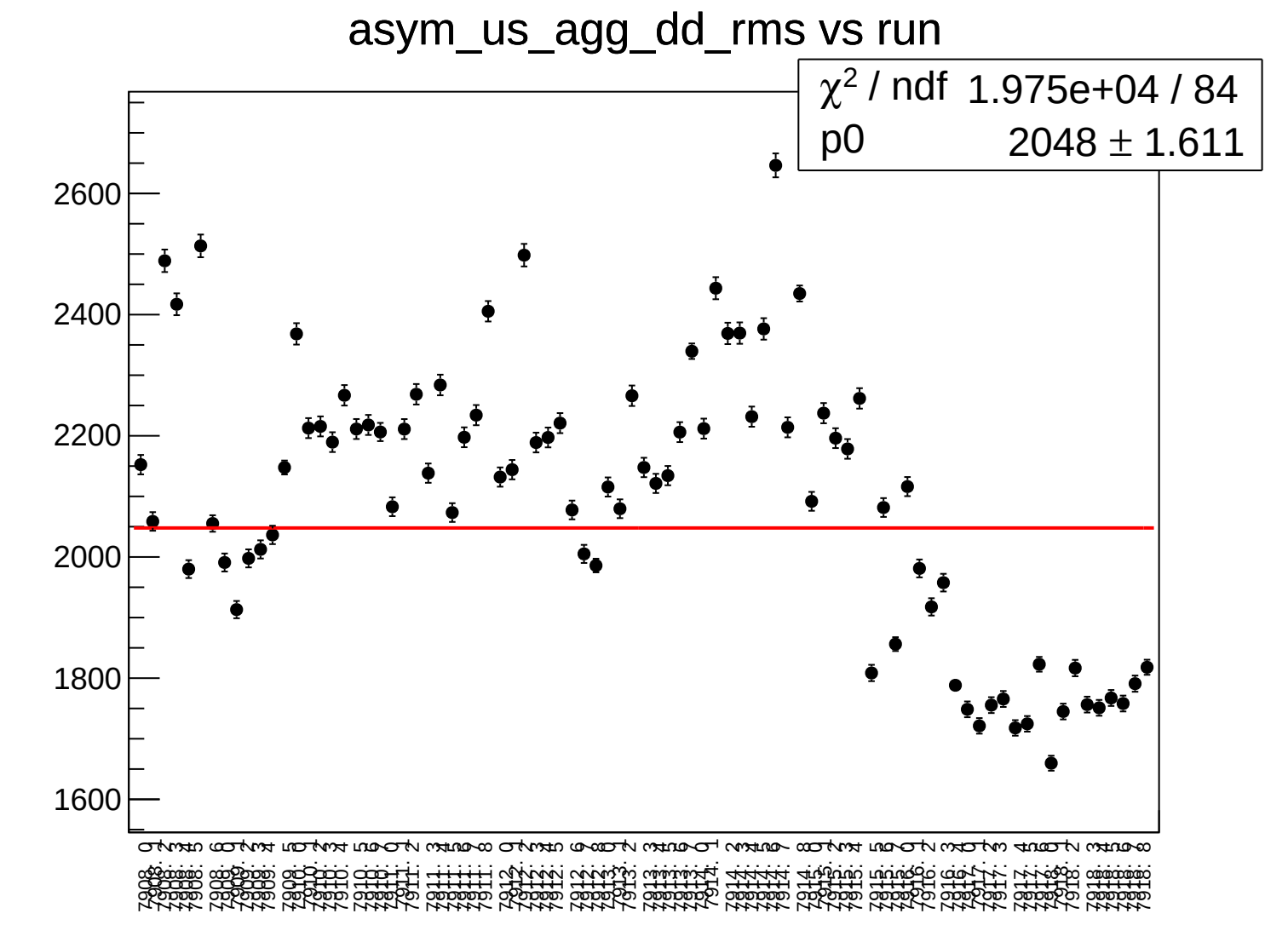

asym_us_agg_avg_mean vs run
×10^3
χ^2 / ndf 98.67 / 84
p0 −5675 ± 2780
100
50
0
−50
−100
pull
Entries 85
Mean 47.56
Std Dev 54.37
3
2
1
0
−1
−2

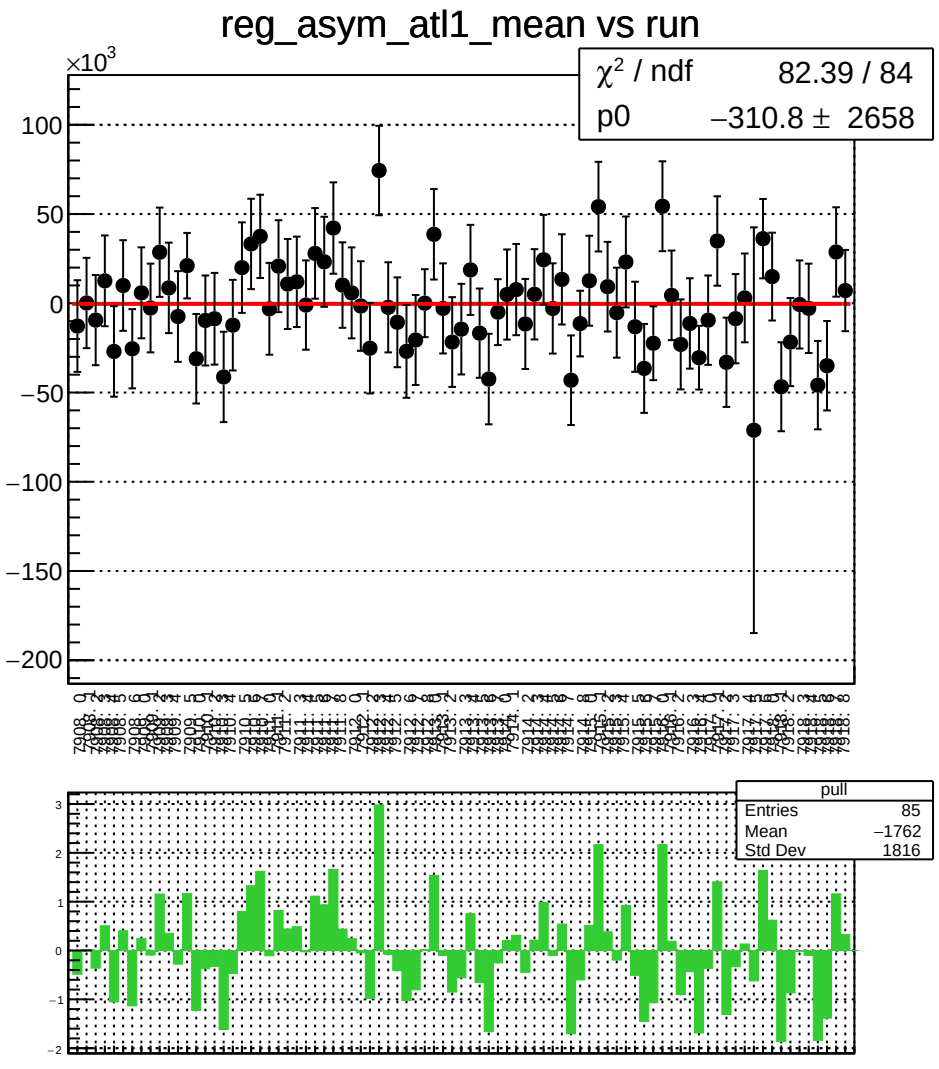

pull1D
Entries 85
Mean 0.02087
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

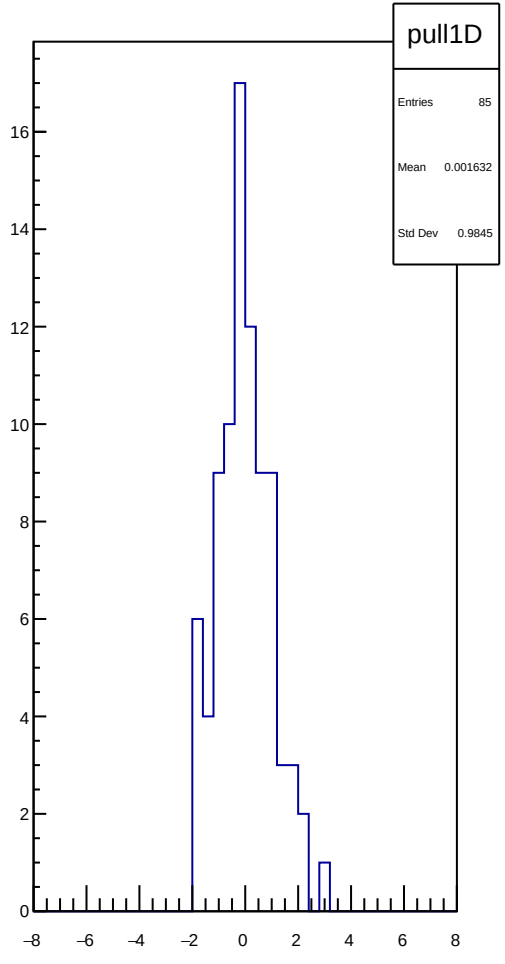

asym_us_agg_avg_rms vs run
χ² / ndf 8.288e+04 / 84
p0 2450 ± 1.966
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

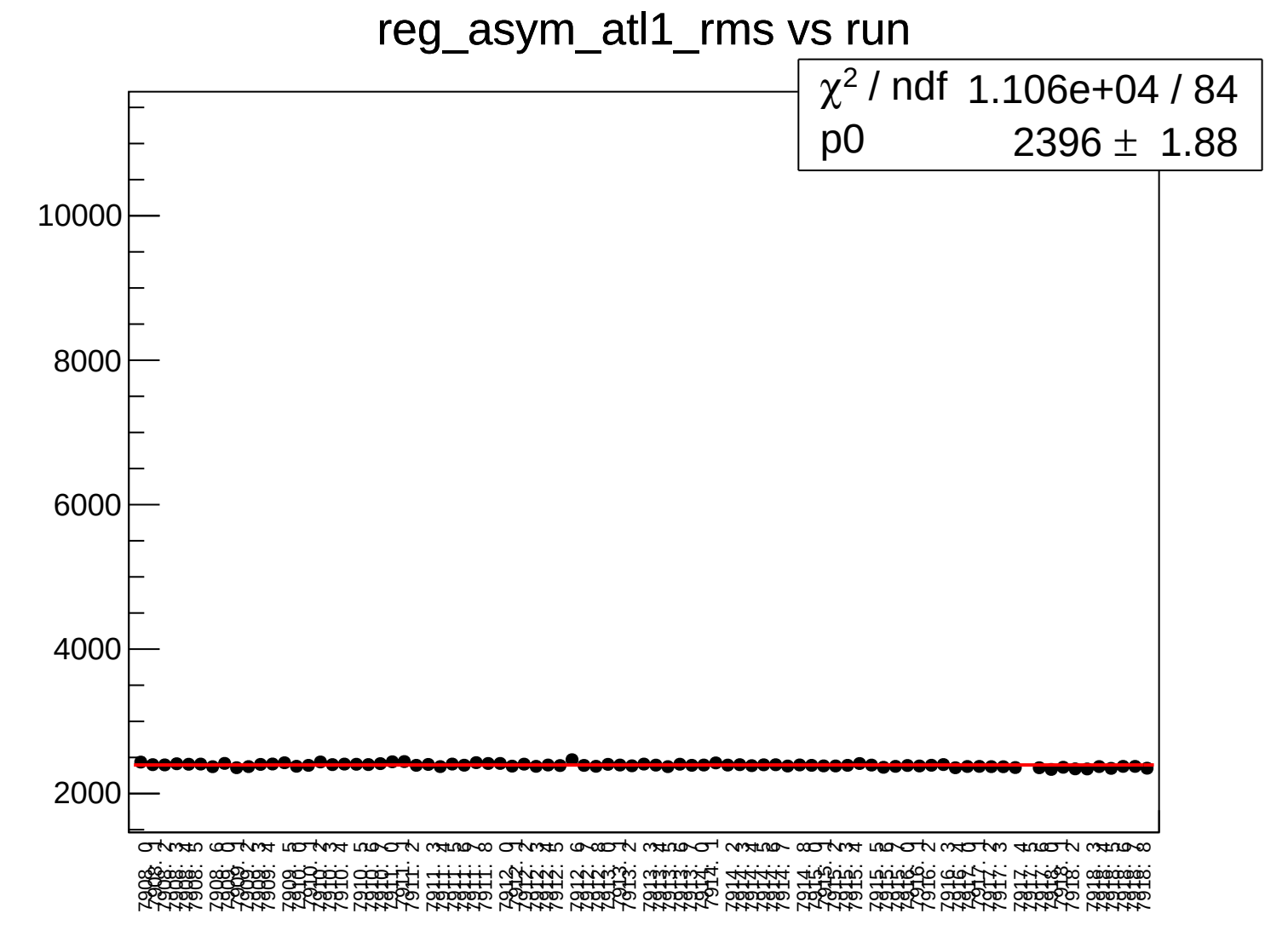

asym_us_agg_dd_mean vs run
χ² / ndf 89.95 / 84
p0 944.4 ± 2278
pull
Entries 85
Mean 240.5
Std Dev 206.1

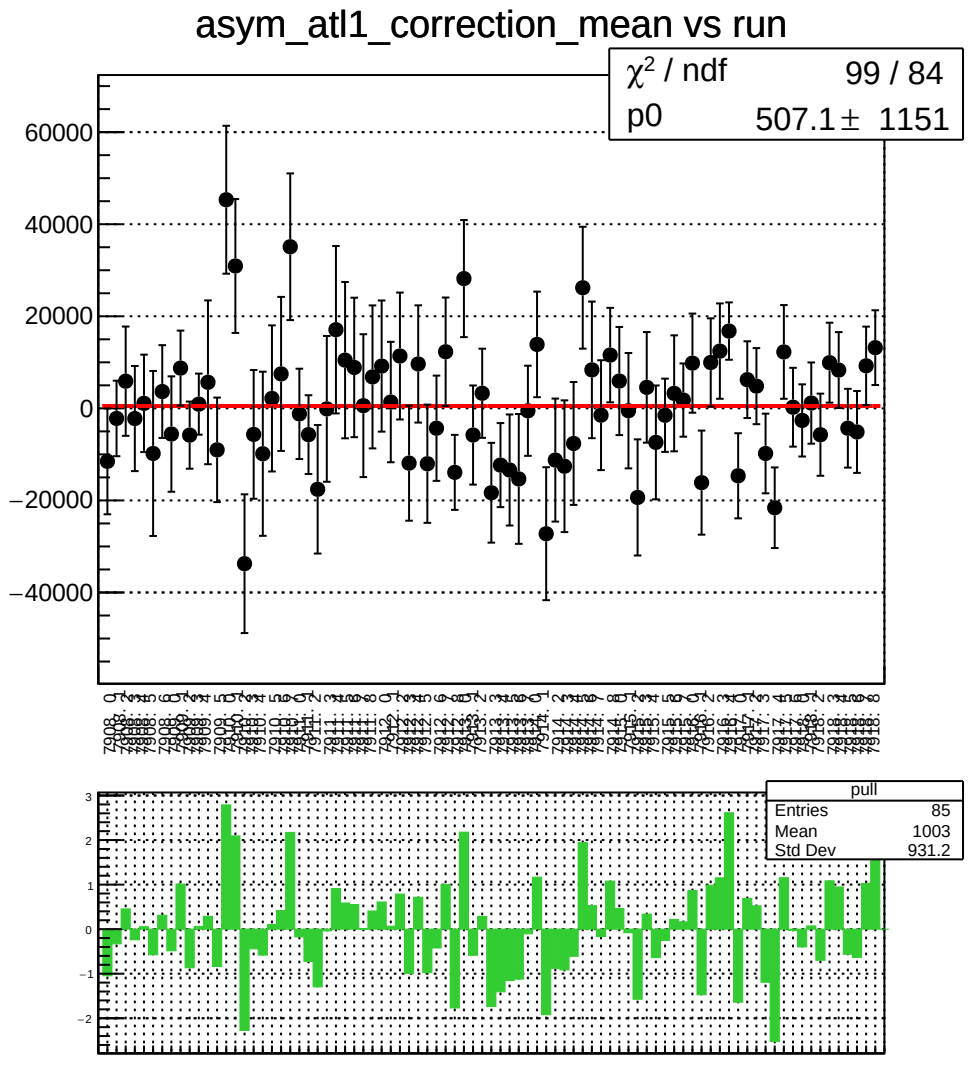

pull1D
Entries 85
Mean −0.002981
Std Dev 1.029

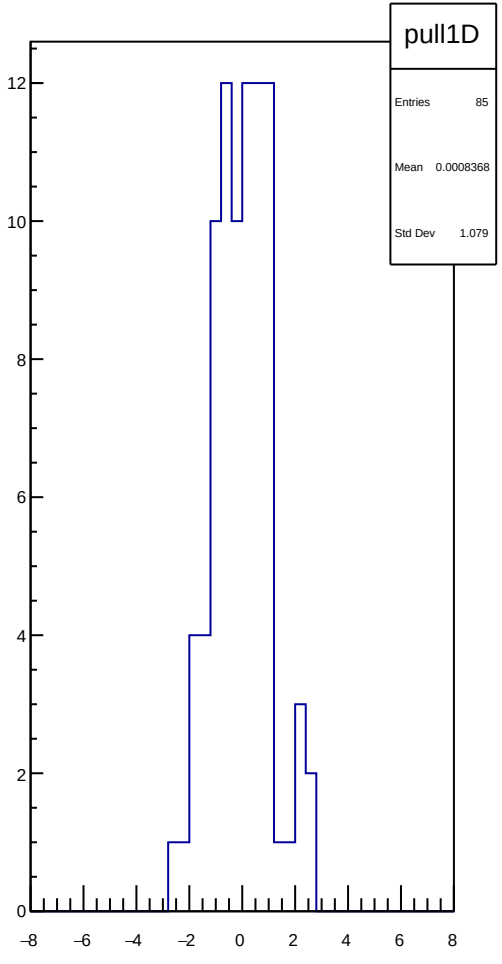

asym_us_agg_dd_rms vs run
χ² / ndf 1.975e+04 / 84
p0 2048 ± 1.611
2600
2400
2200
2000
1800
1600

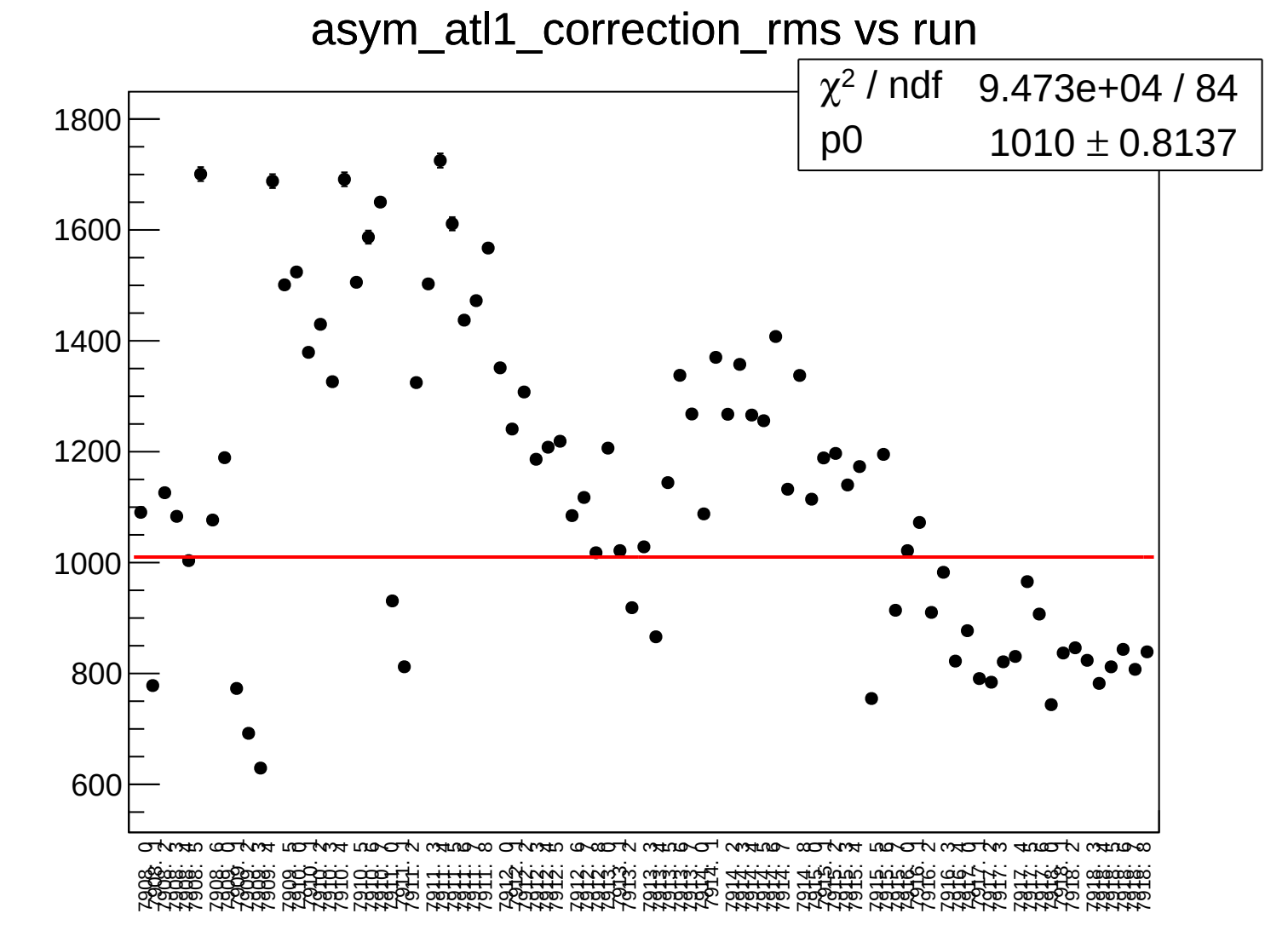

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 82.39 / 84
p0 −310.8 ± 2658
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −1762
Std Dev 1816
3
2
1
0
−1
−2

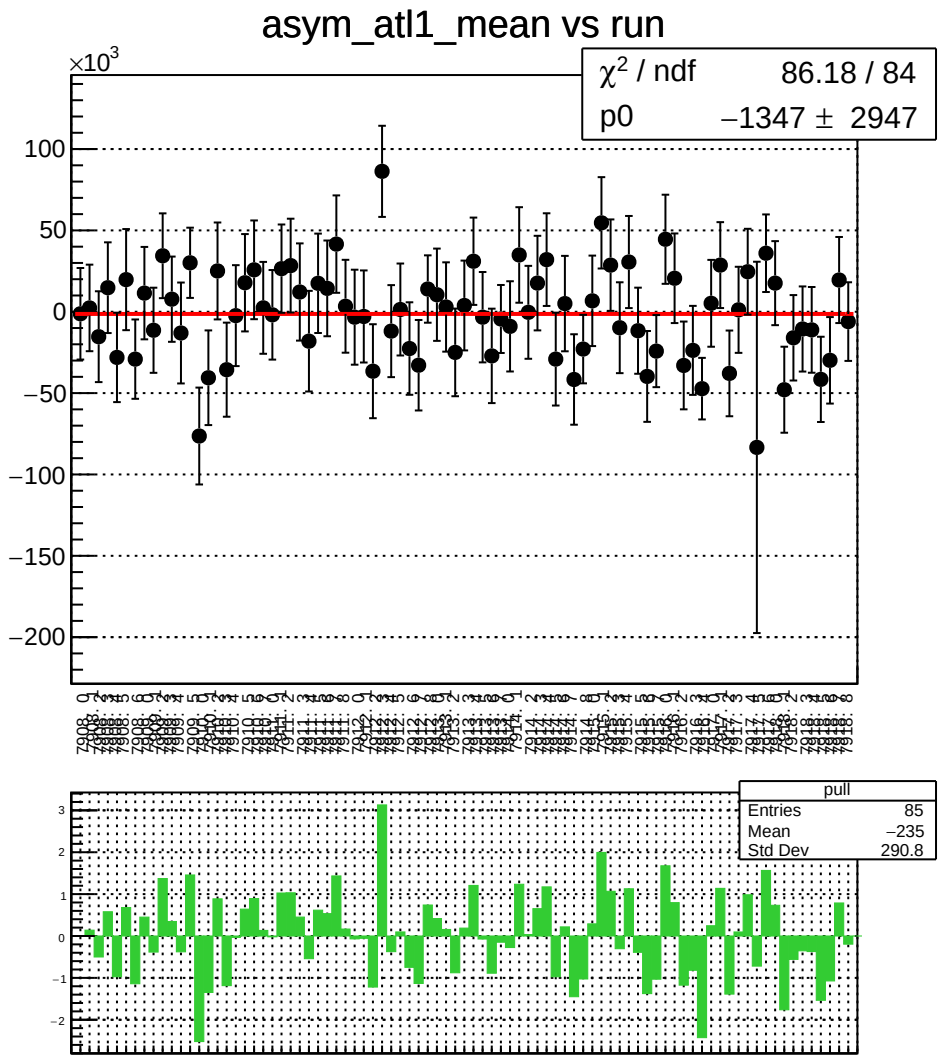

pull1D
Entries 85
Mean 0.001632
Std Dev 0.9845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

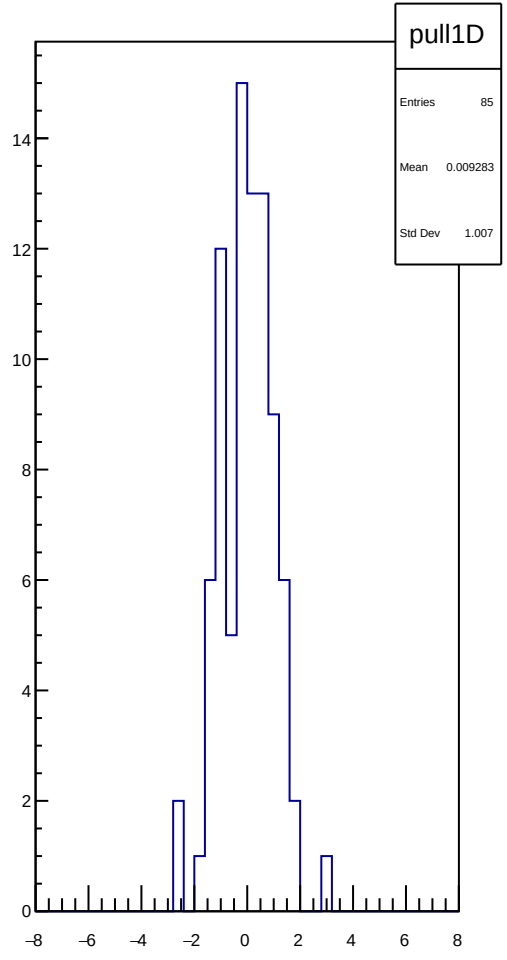

reg_asym_atl1_rms vs run
χ² / ndf 1.106e+04 / 84
p0 2396 ± 1.88
10000
8000
6000
4000
2000

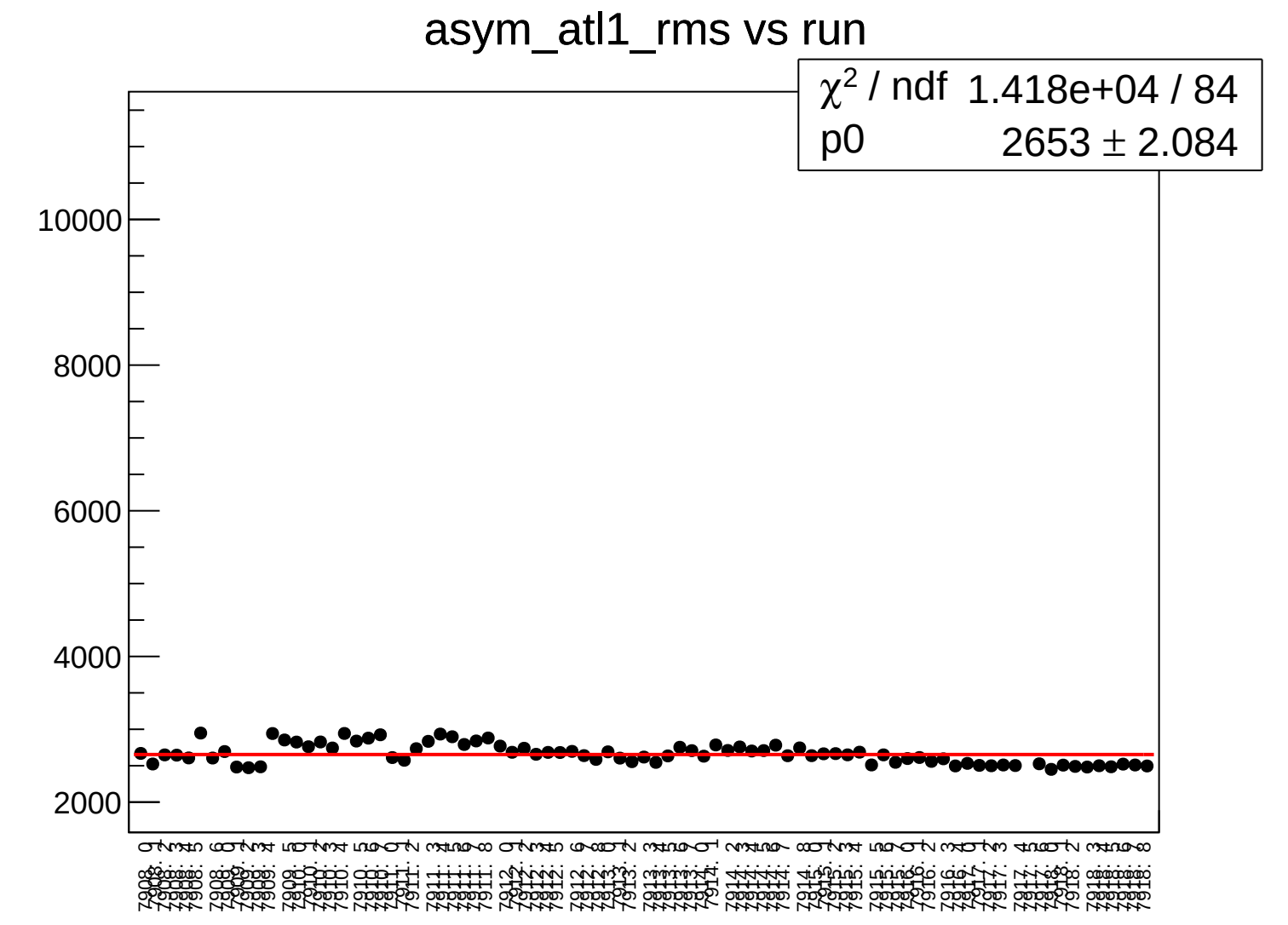

asym_atl1_correction_mean vs run
χ² / ndf 99 / 84
p0 507.1 ± 1151
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 1003
Std Dev 931.2
3
2
1
0
−1
−2

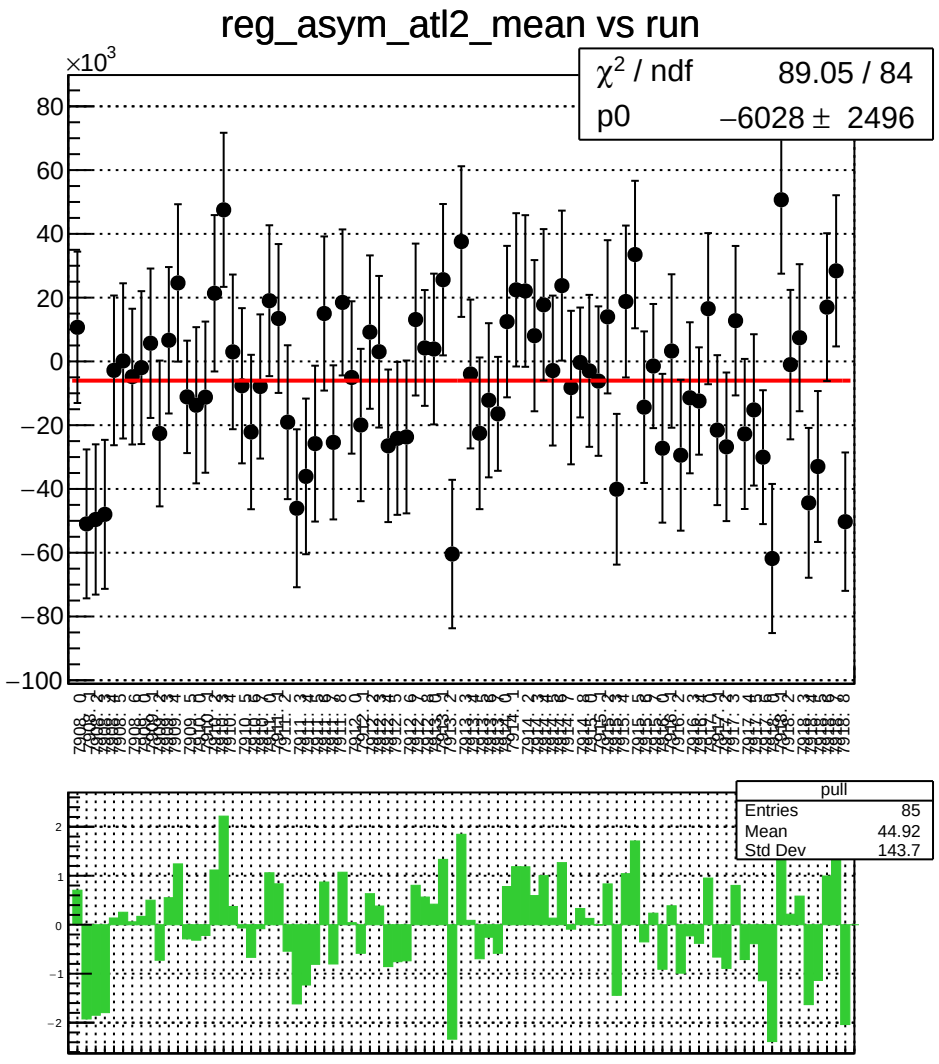

pull1D
Entries 85
Mean 0.0008368
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

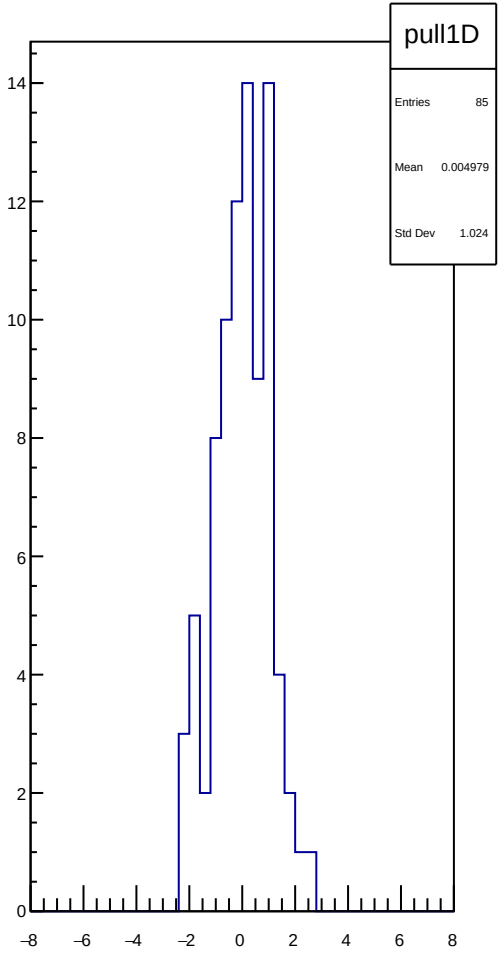

asym_atl1_correction_rms vs run
χ² / ndf 9.473e+04 / 84
p0 1010 ± 0.8137
1800
1600
1400
1200
1000
800
600

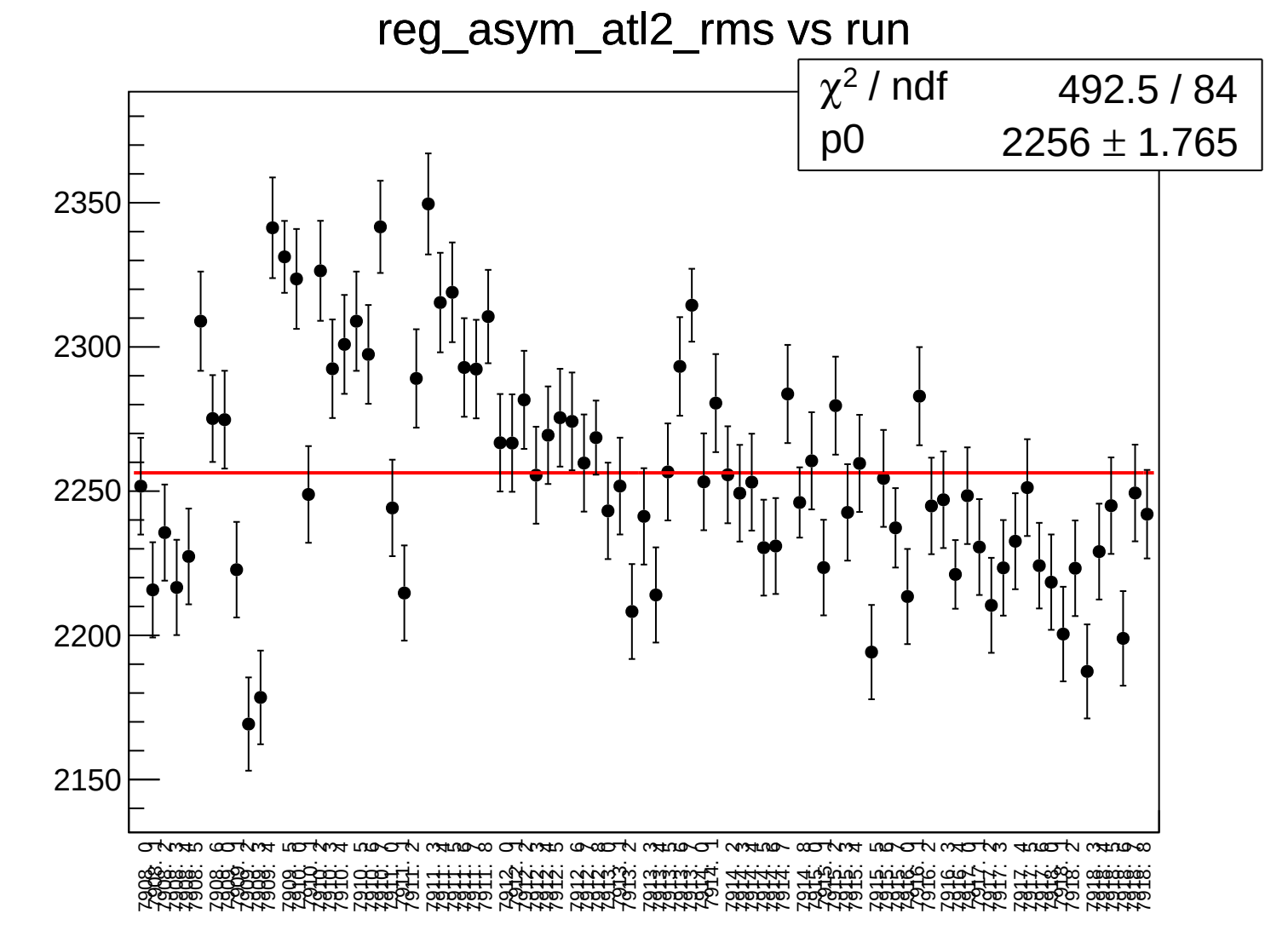

asym_atl1_mean vs run
×10^3
χ^2 / ndf 86.18 / 84
p0 −1347 ± 2947
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −235
Std Dev 290.8
3
2
1
0
−1
−2

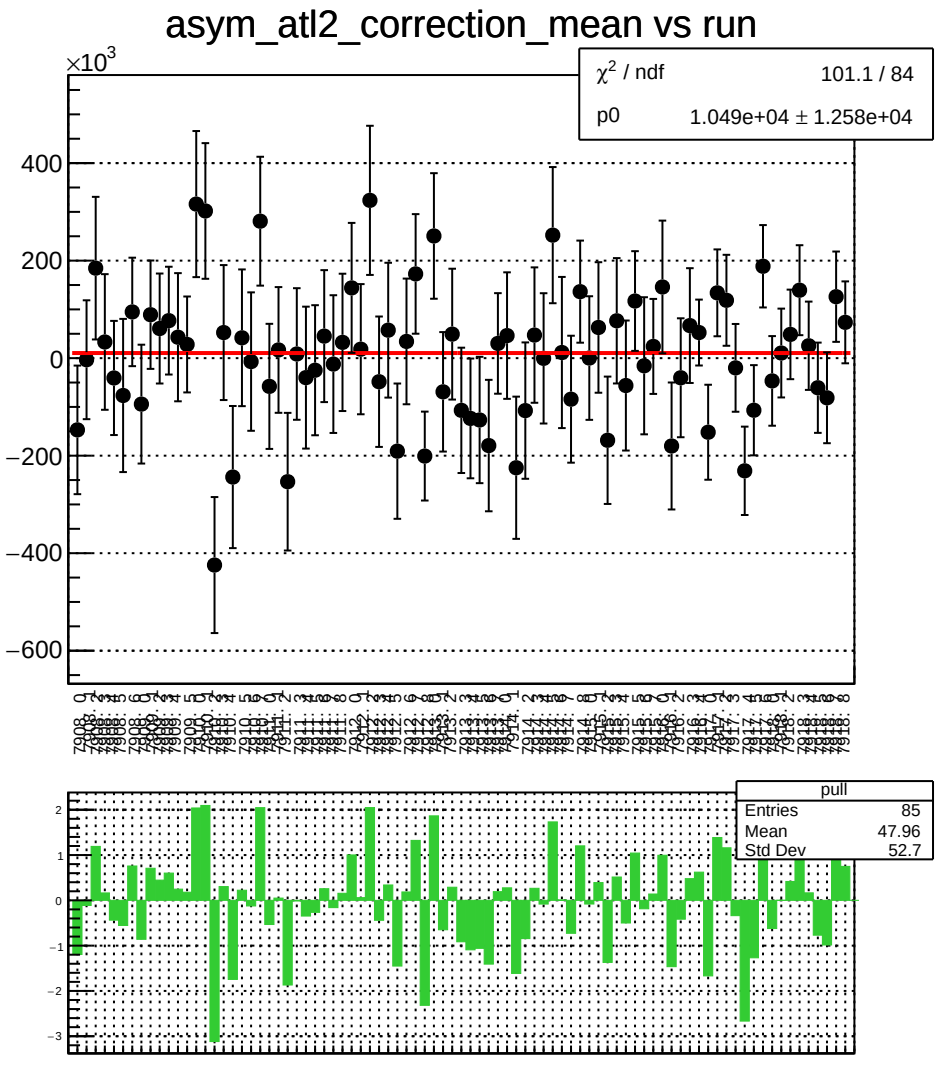

pull1D
Entries 85
Mean 0.009283
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

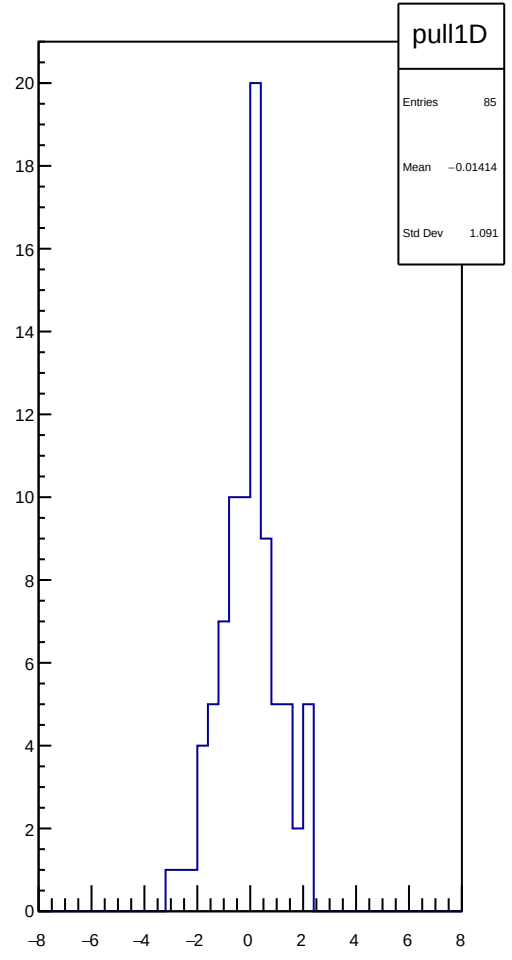

asym_atl1_rms vs run
χ^2 / ndf 1.418e+04 / 84
p0 2653 ± 2.084
10000
8000
6000
4000
2000

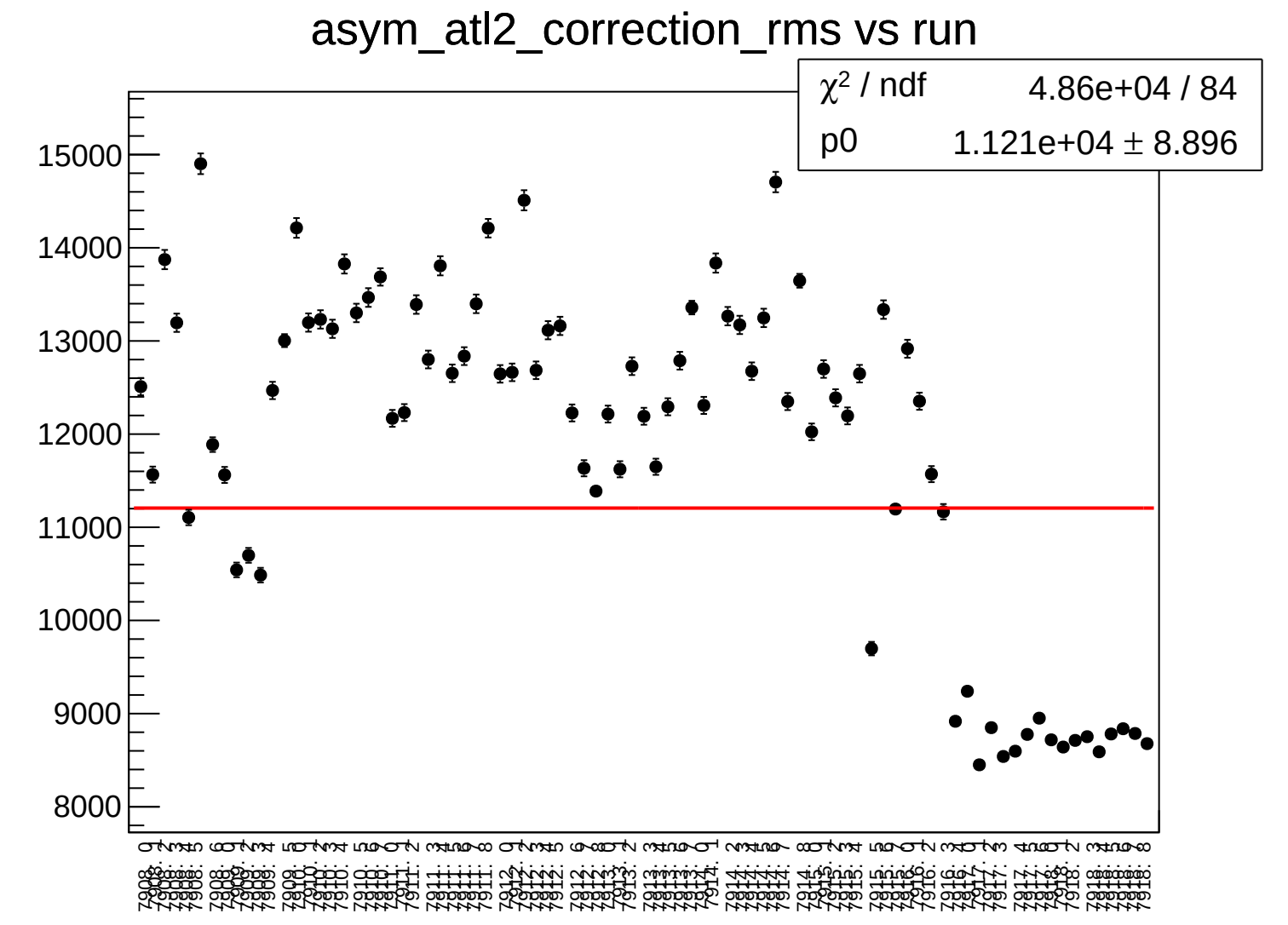

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 89.05 / 84
p0 −6028 ± 2496
pull
Entries 85
Mean 44.92
Std Dev 143.7

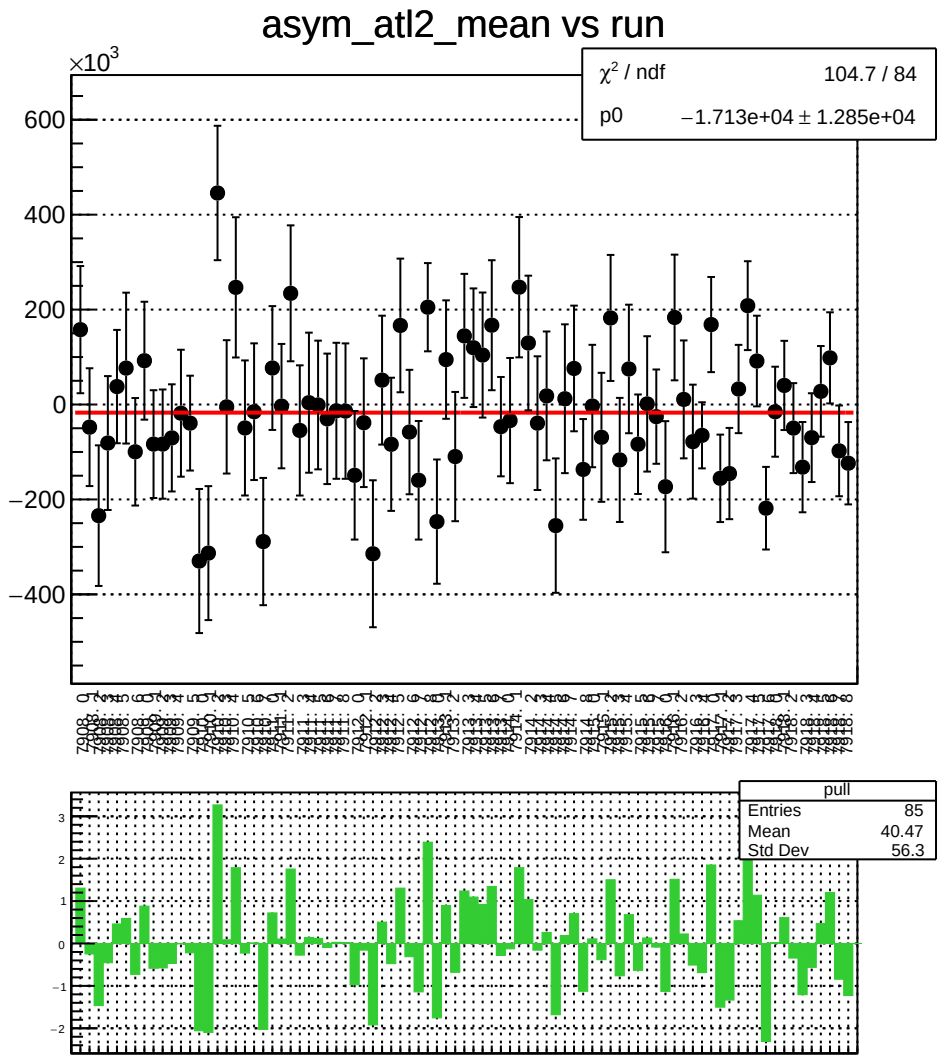

pull1D
Entries 85
Mean 0.004979
Std Dev 1.024

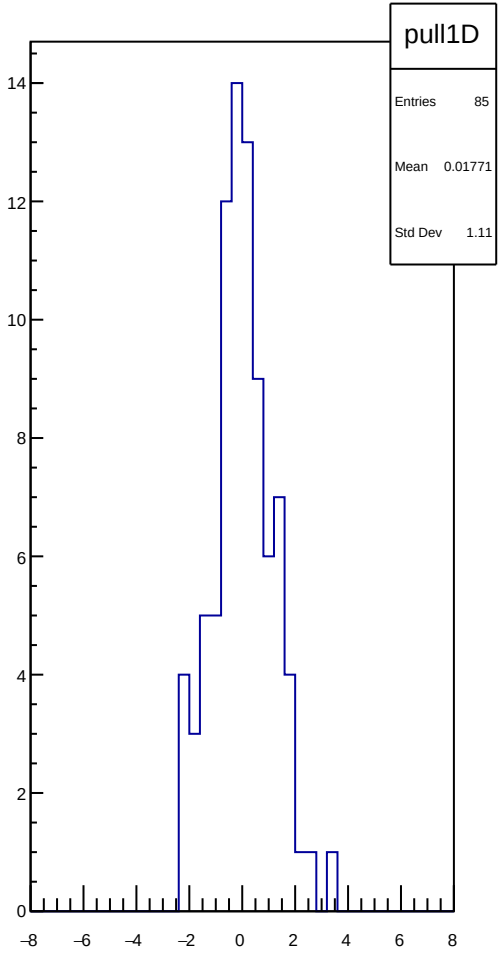

reg_asym_atl2_rms vs run
χ² / ndf 492.5 / 84
p0 2256 ± 1.765
2350
2300
2250
2200
2150

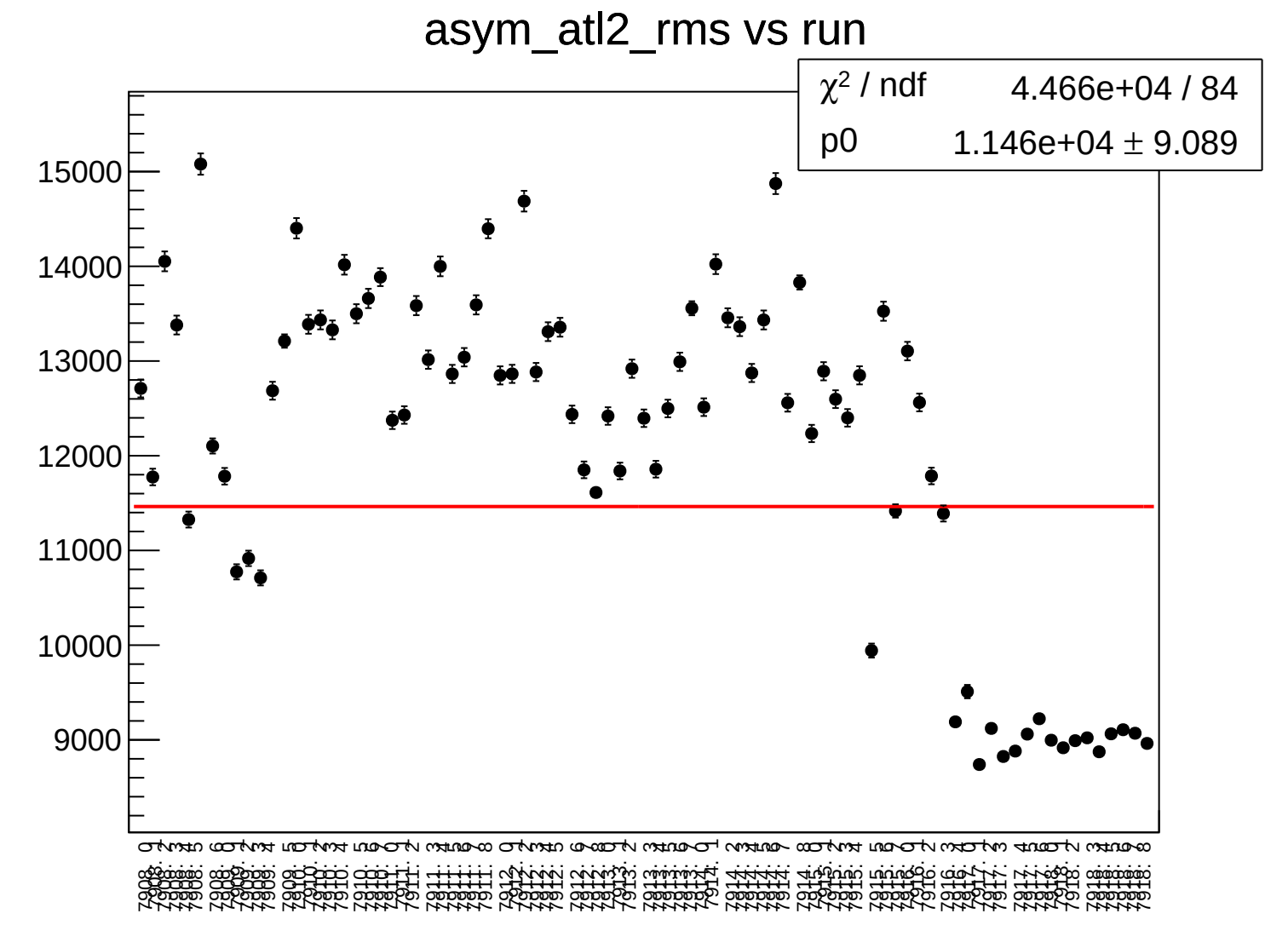

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 101.1 / 84
p0 1.049e+04 ± 1.258e+04
pull
Entries 85
Mean 47.96
Std Dev 52.7

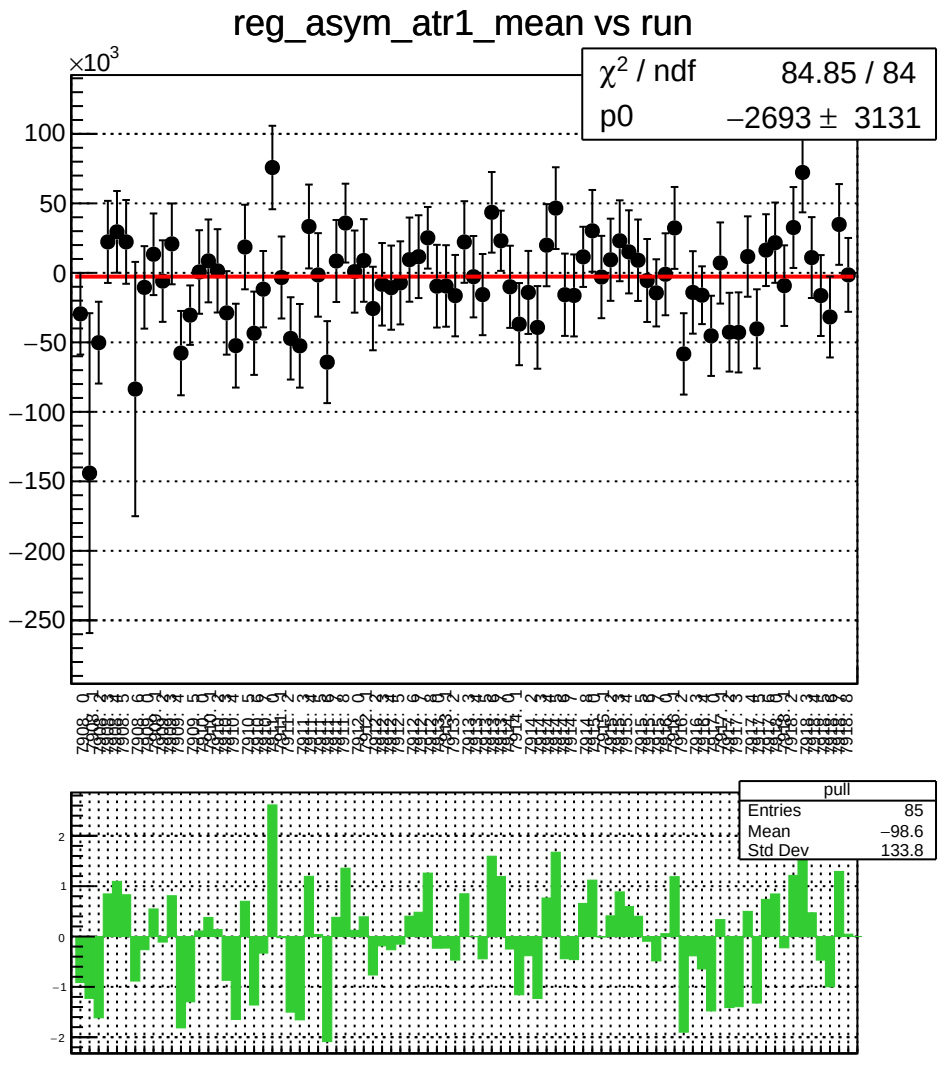

pull1D
Entries 85
Mean −0.01414
Std Dev 1.091

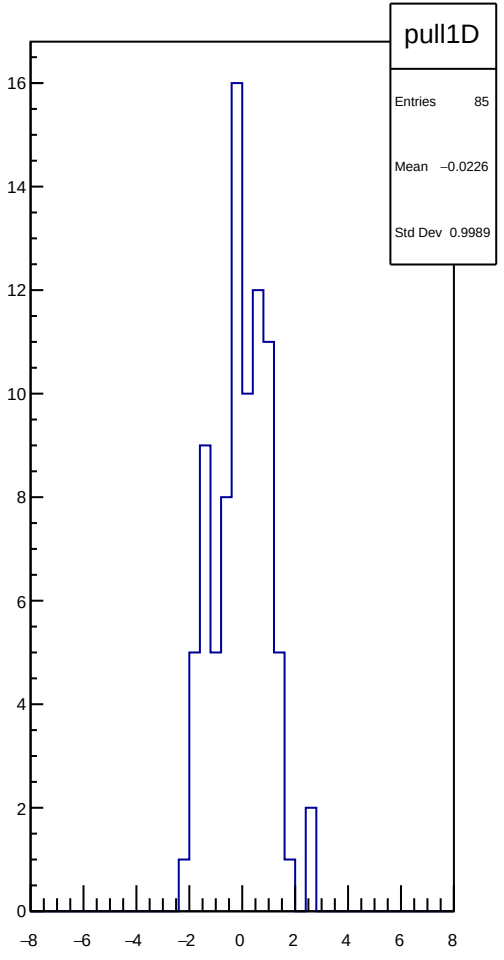

asym_atl2_correction_rms vs run
χ² / ndf 4.86e+04 / 84
p0 1.121e+04 ± 8.896
15000
14000
13000
12000
11000
10000
9000
8000

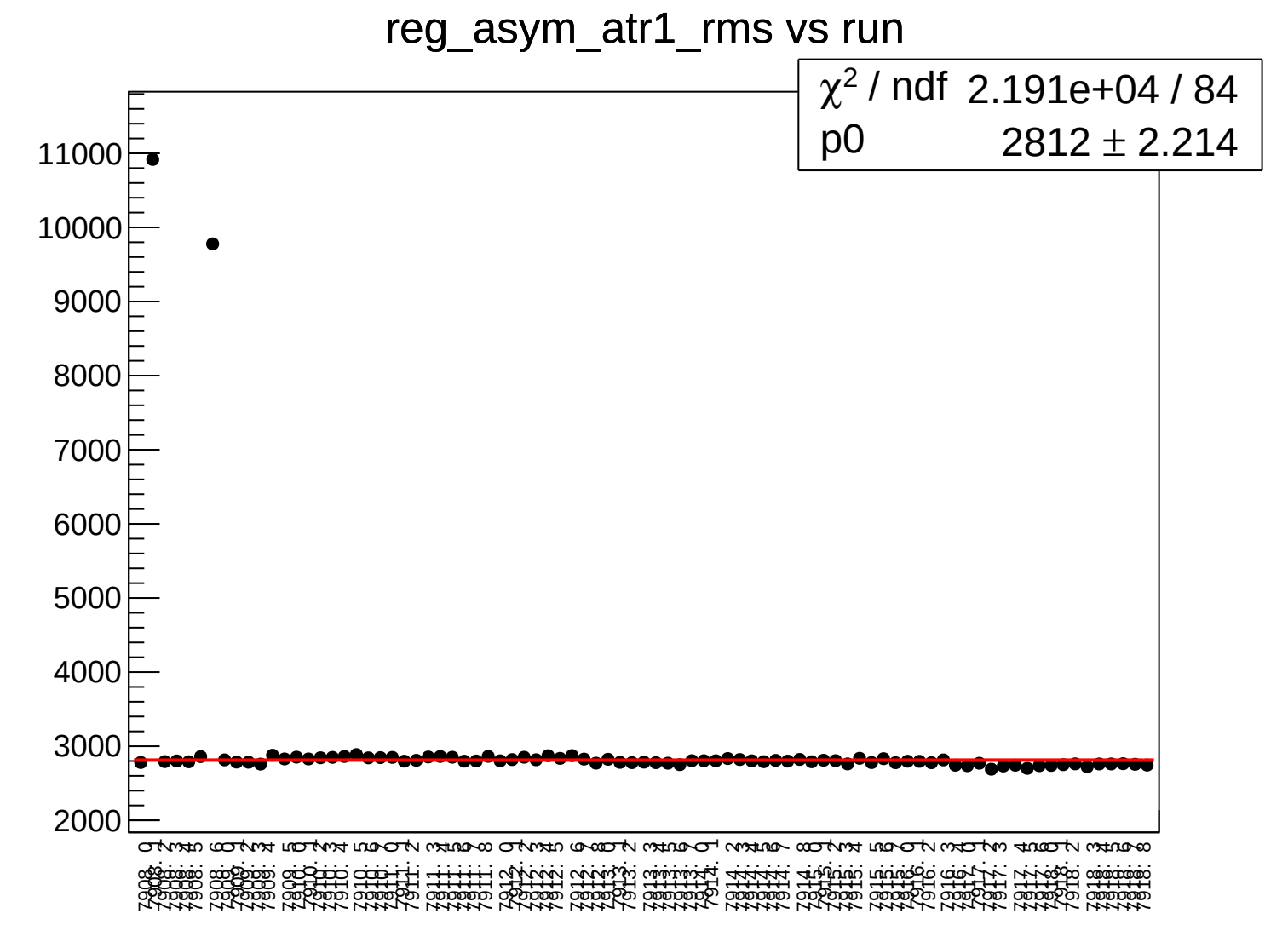

asym_atl2_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 104.7 / 84
p0 −1.713e+04 ± 1.285e+04
pull
Entries 85
Mean 40.47
Std Dev 56.3
3
2
1
0
−1
−2

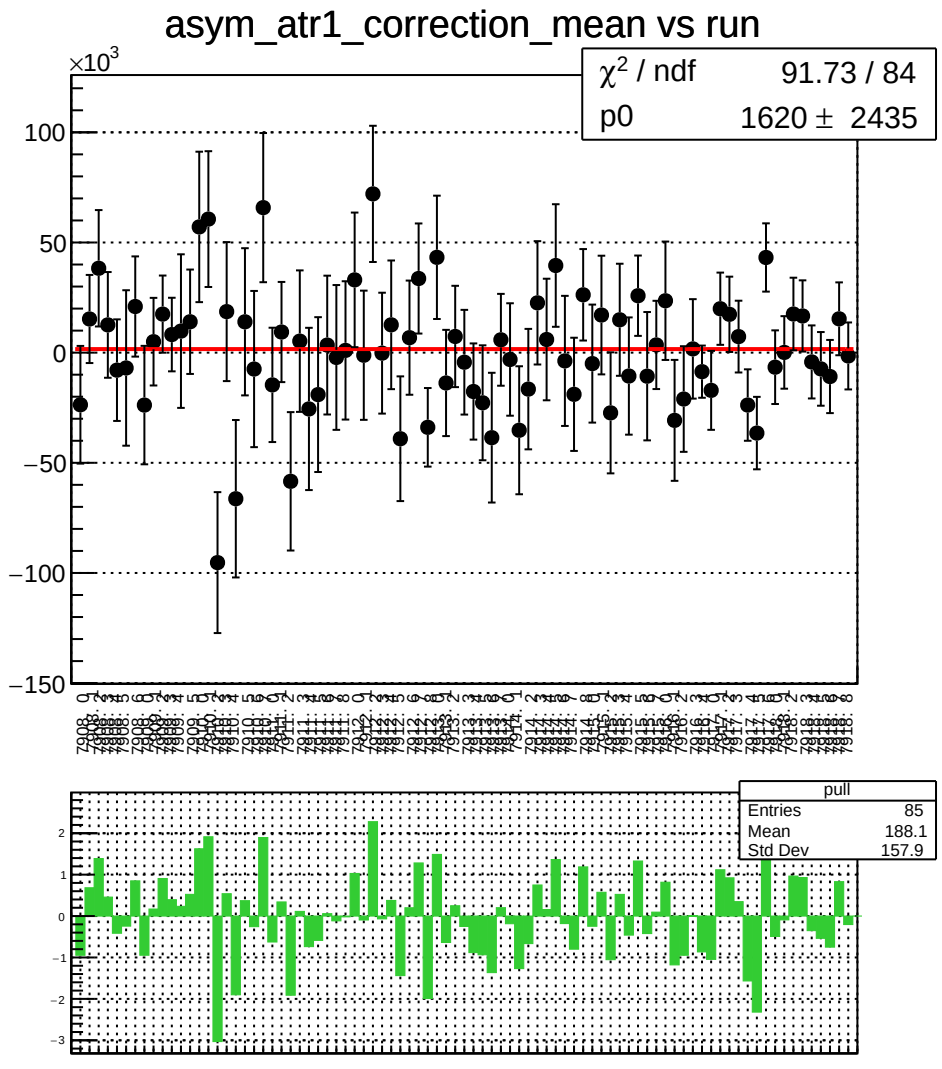

pull1D
Entries 85
Mean 0.01771
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

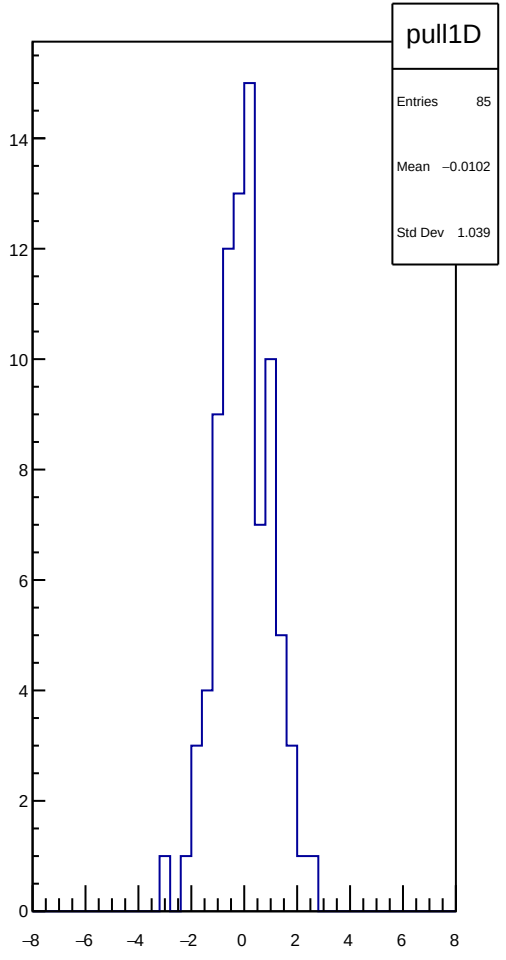

asym_atl2_rms vs run
χ² / ndf 4.466e+04 / 84
p0 1.146e+04 ± 9.089
15000
14000
13000
12000
11000
10000
9000

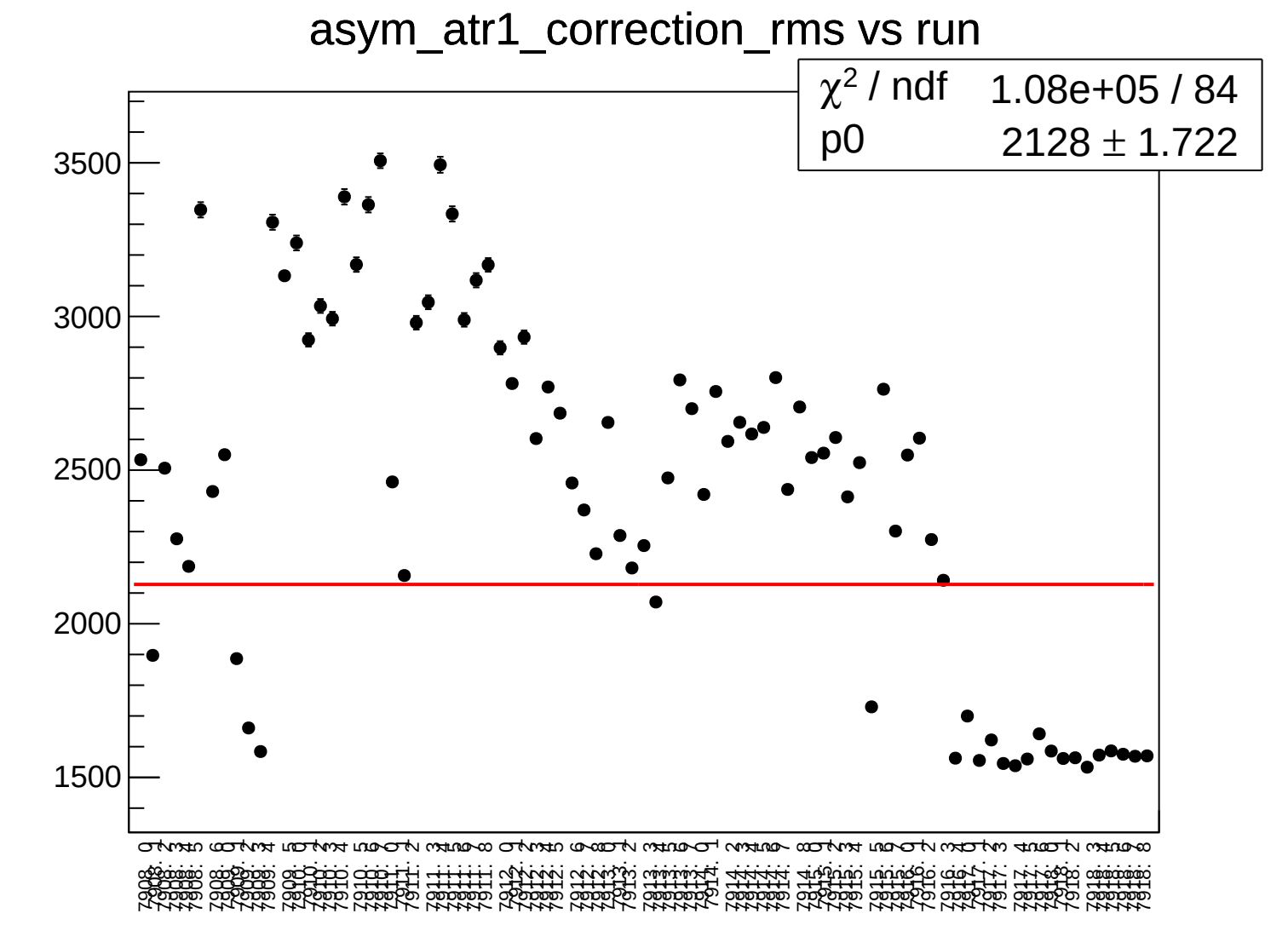

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 84.85 / 84
p0 −2693 ± 3131
100
50
0
−50
−100
−150
−200
−250
pull
Entries 85
Mean −98.6
Std Dev 133.8
2
1
0
−1
−2

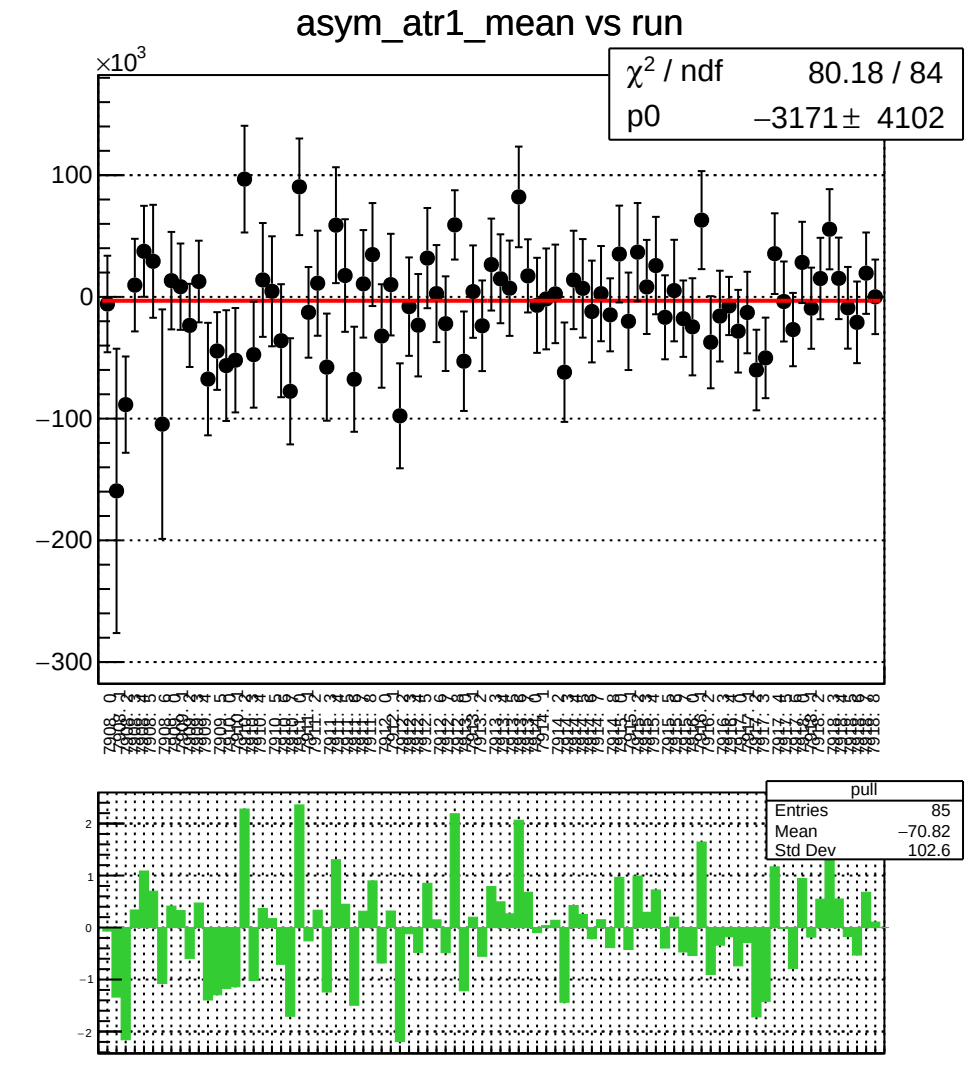

pull1D
Entries 85
Mean −0.0226
Std Dev 0.9989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

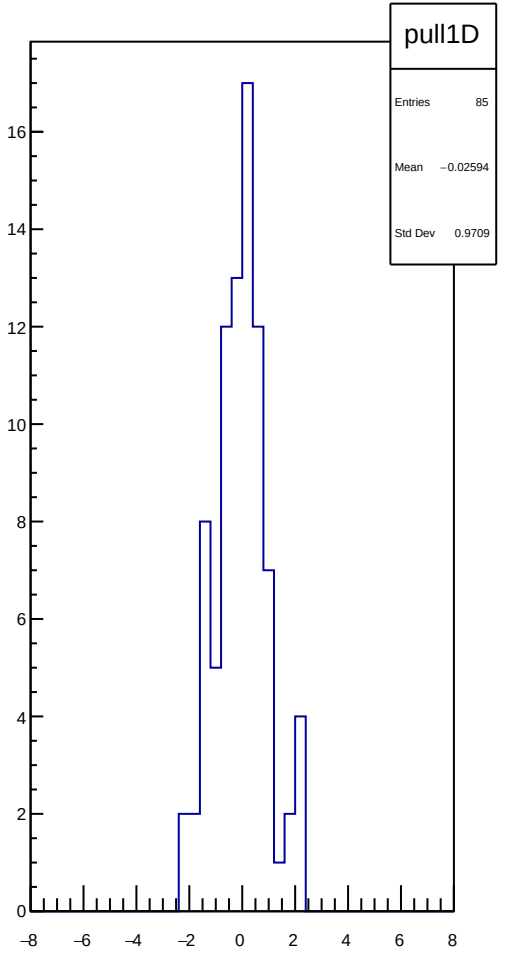

reg_asym_atr1_rms vs run
χ^2 / ndf 2.191e+04 / 84
p0 2812 ± 2.214
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

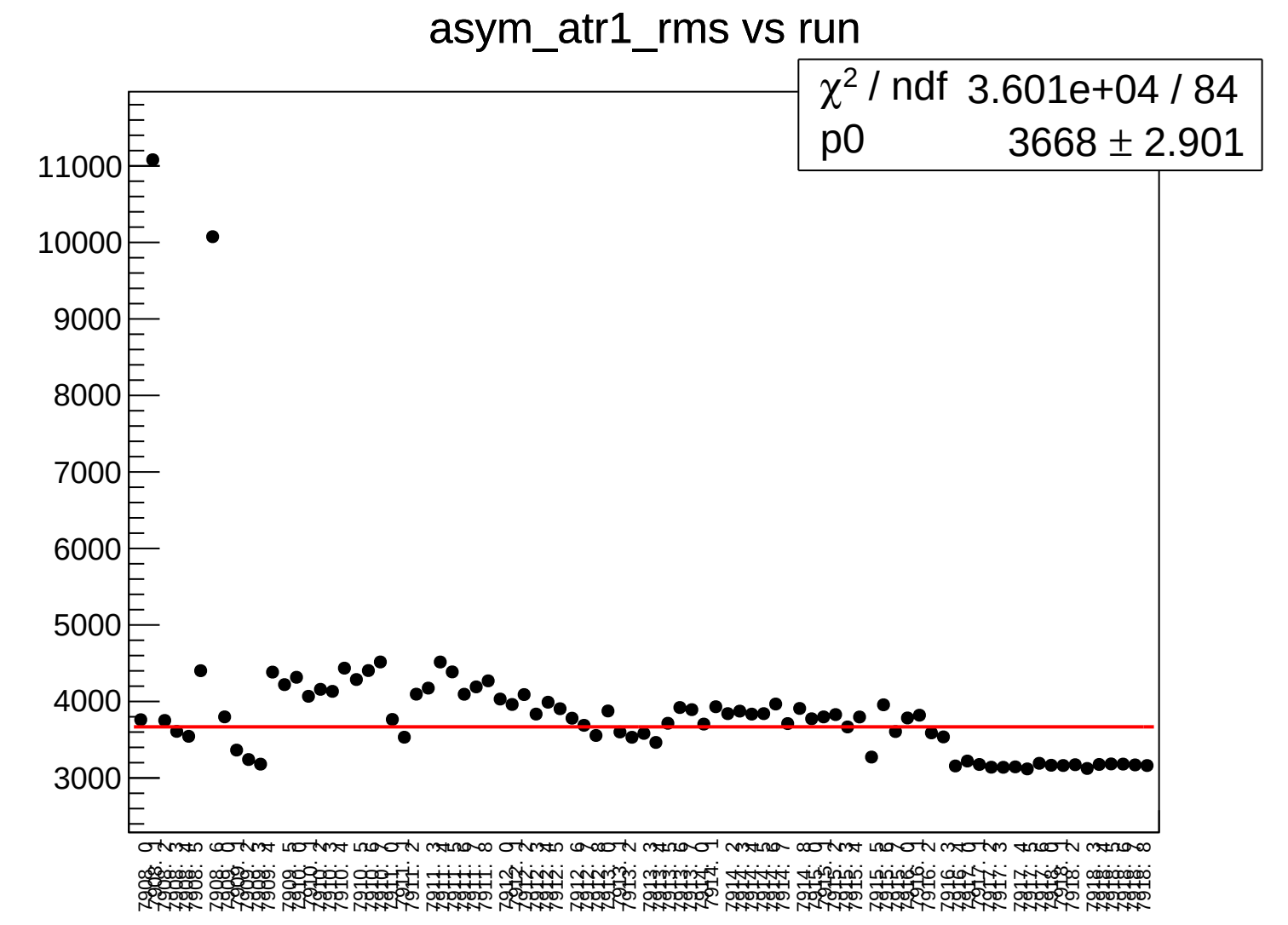

asym_atr1_correction_mean vs run
×10^3
χ^2 / ndf 91.73 / 84
p0 1620 ± 2435
100
50
0
−50
−100
−150
pull
Entries 85
Mean 188.1
Std Dev 157.9
2
1
0
−1
−2
−3

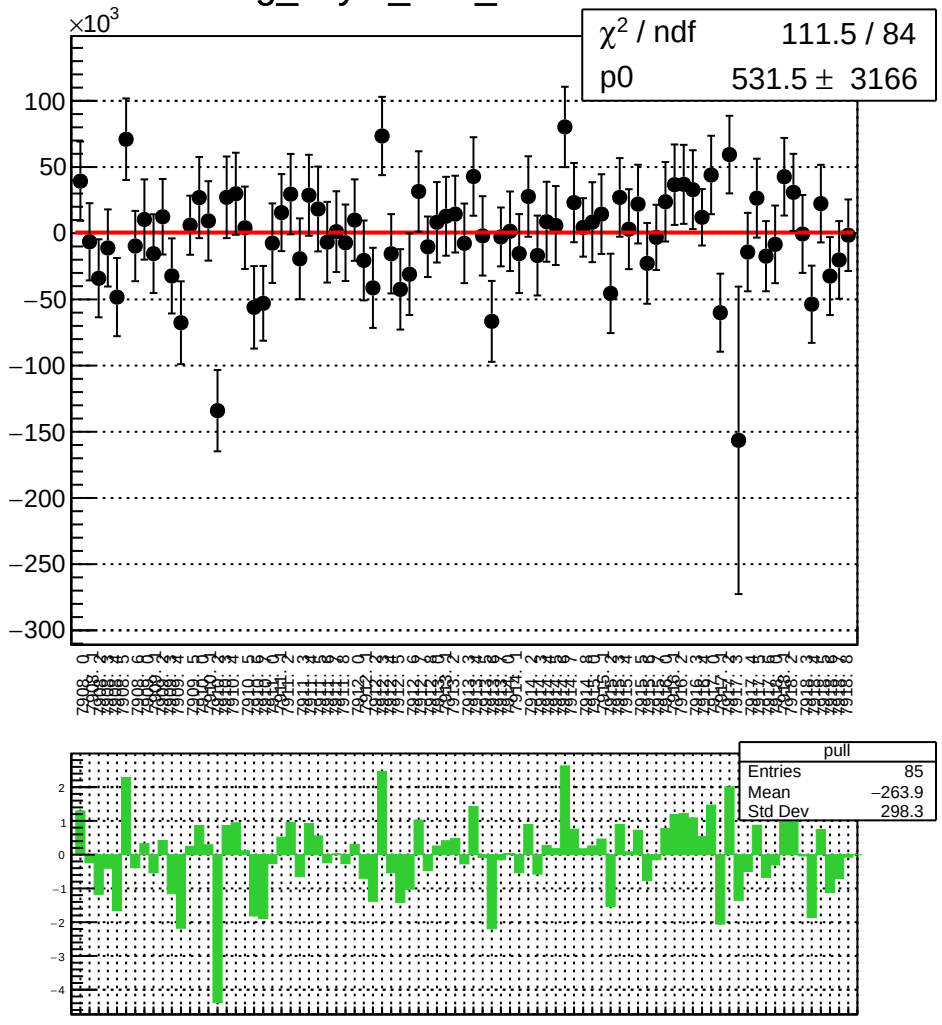

pull1D
Entries 85
Mean −0.0102
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

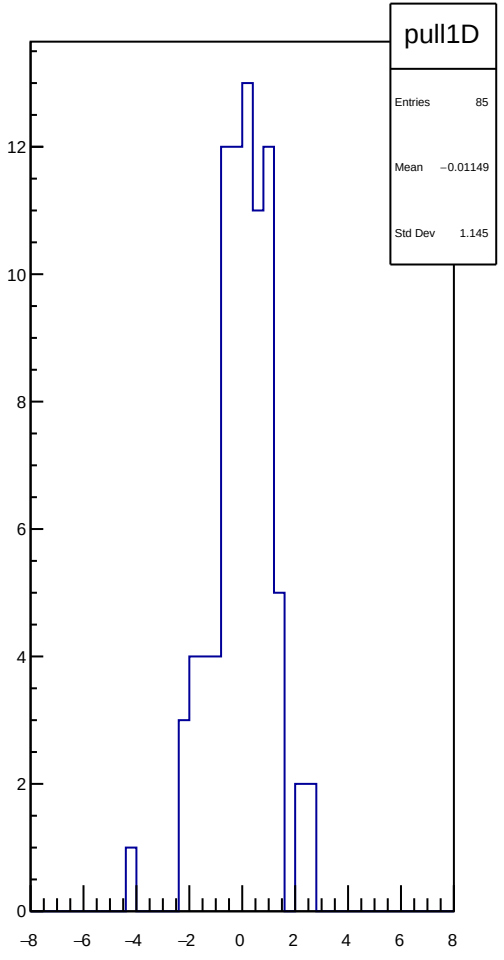

asym_atr1_correction_rms vs run
χ² / ndf 1.08e+05 / 84
p0 2128 ± 1.722
3500
3000
2500
2000
1500

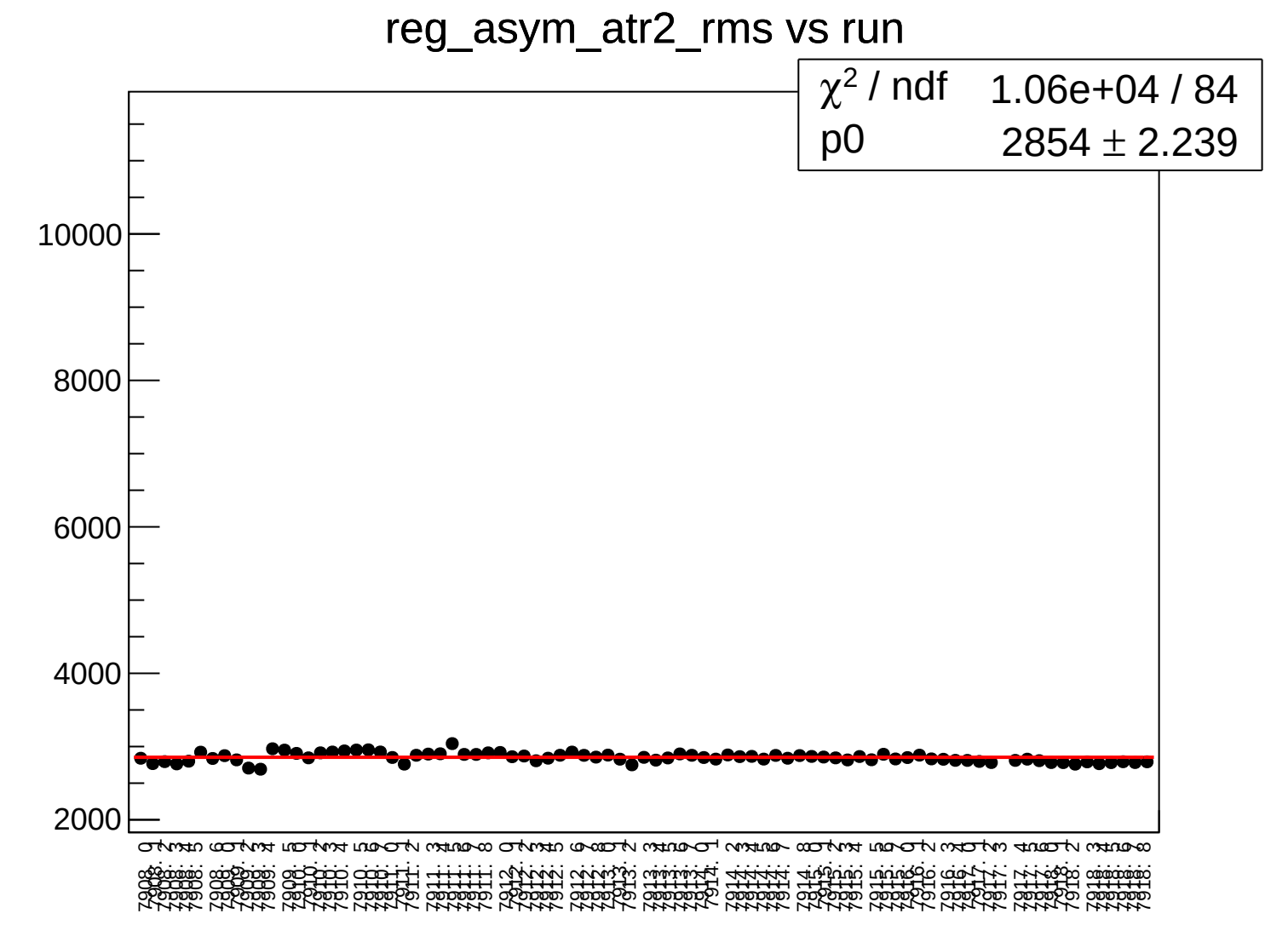

asym_atr1_mean vs run
×10^3
χ² / ndf 80.18 / 84
p0 −3171 ± 4102
100
0
−100
−200
−300
pull
Entries 85
Mean −70.82
Std Dev 102.6
2
1
0
−1
−2

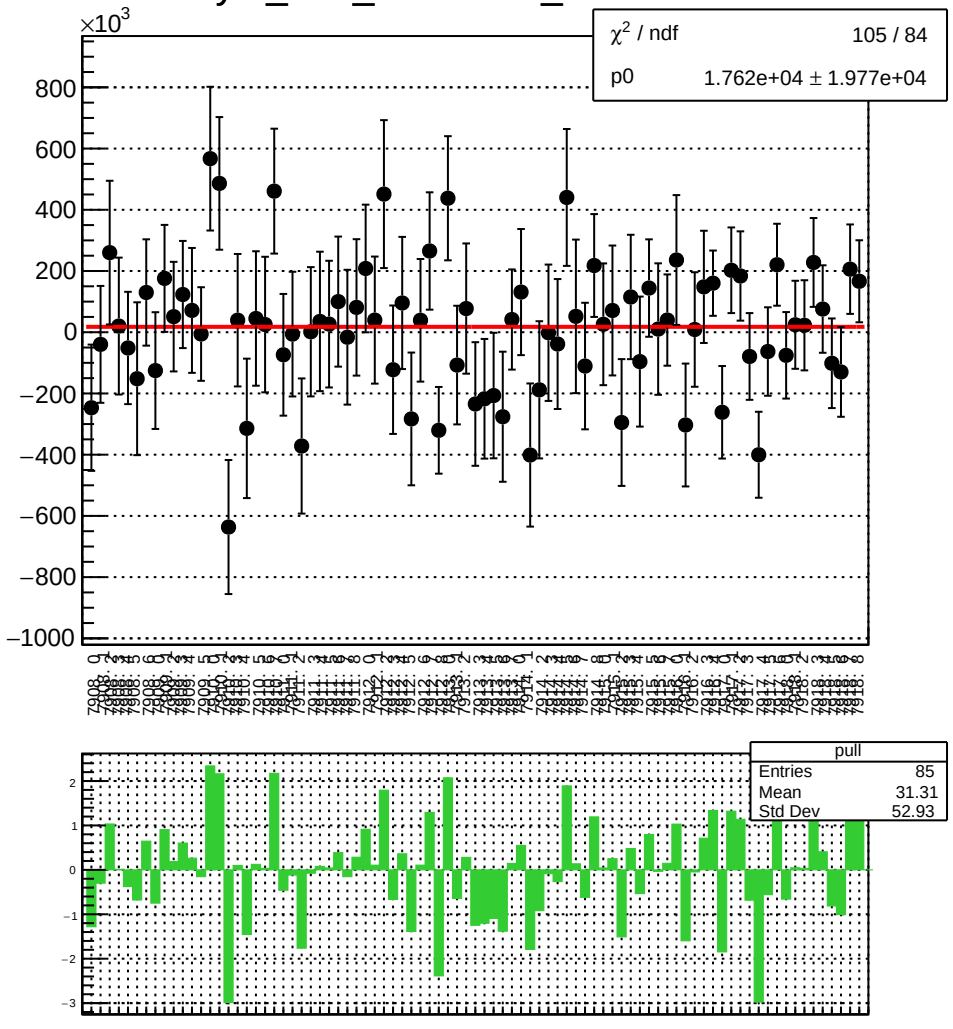

pull1D
Entries 85
Mean −0.02594
Std Dev 0.9709
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

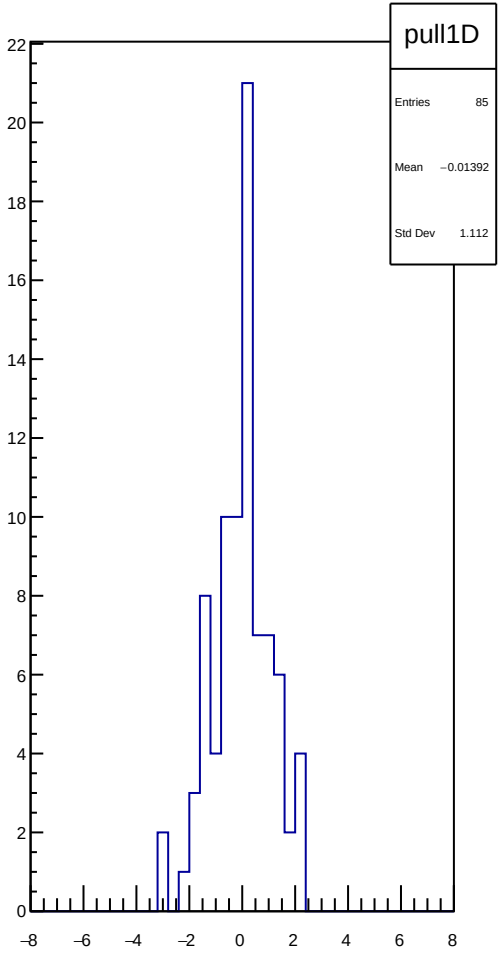

asym_atr1_rms vs run
χ^2 / ndf 3.601e+04 / 84
p0 3668 ± 2.901
11000
10000
9000
8000
7000
6000
5000
4000
3000

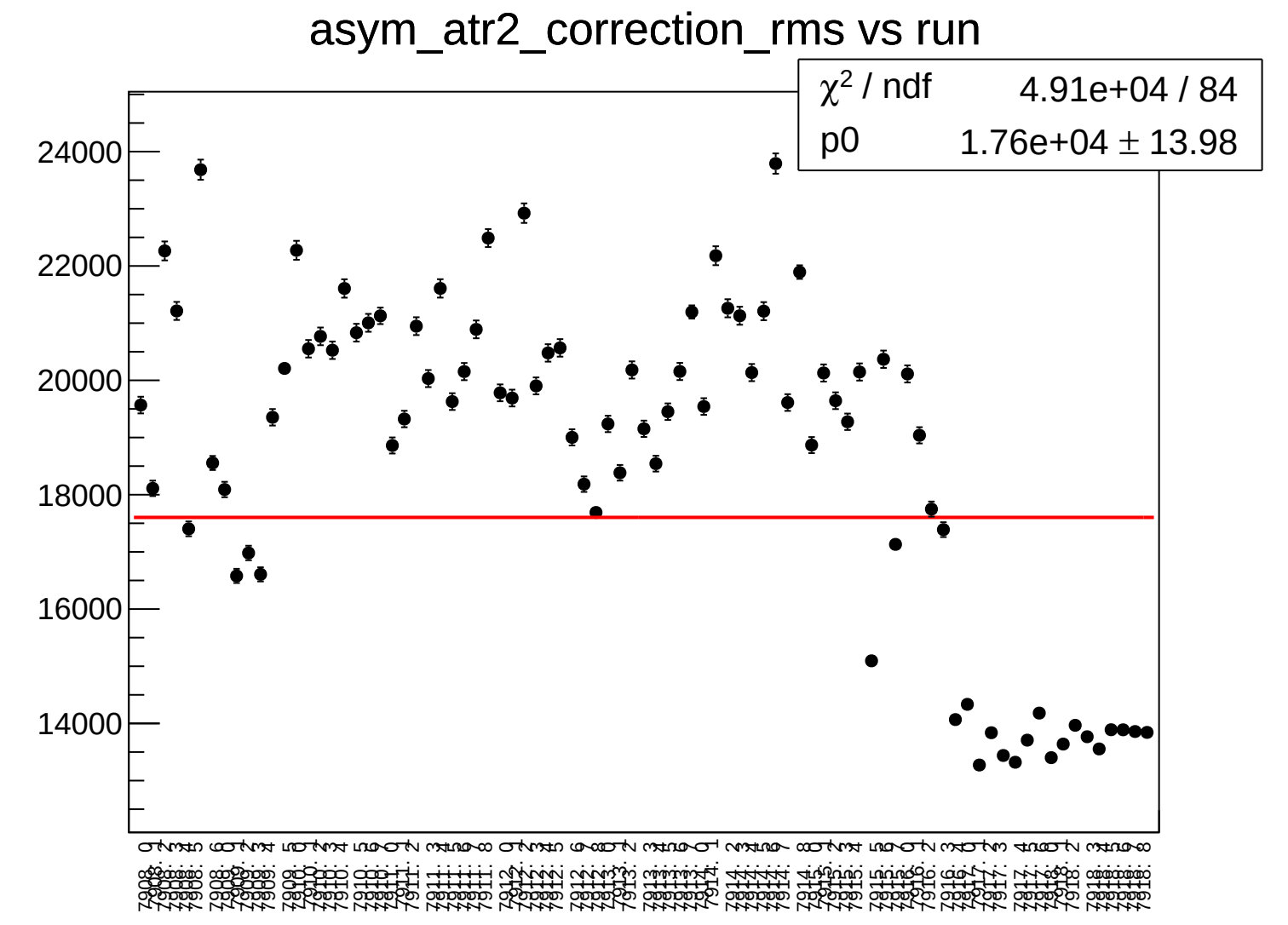

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 111.5 / 84
p0 531.5 ± 3166
pull
Entries 85
Mean −263.9
Std Dev 298.3

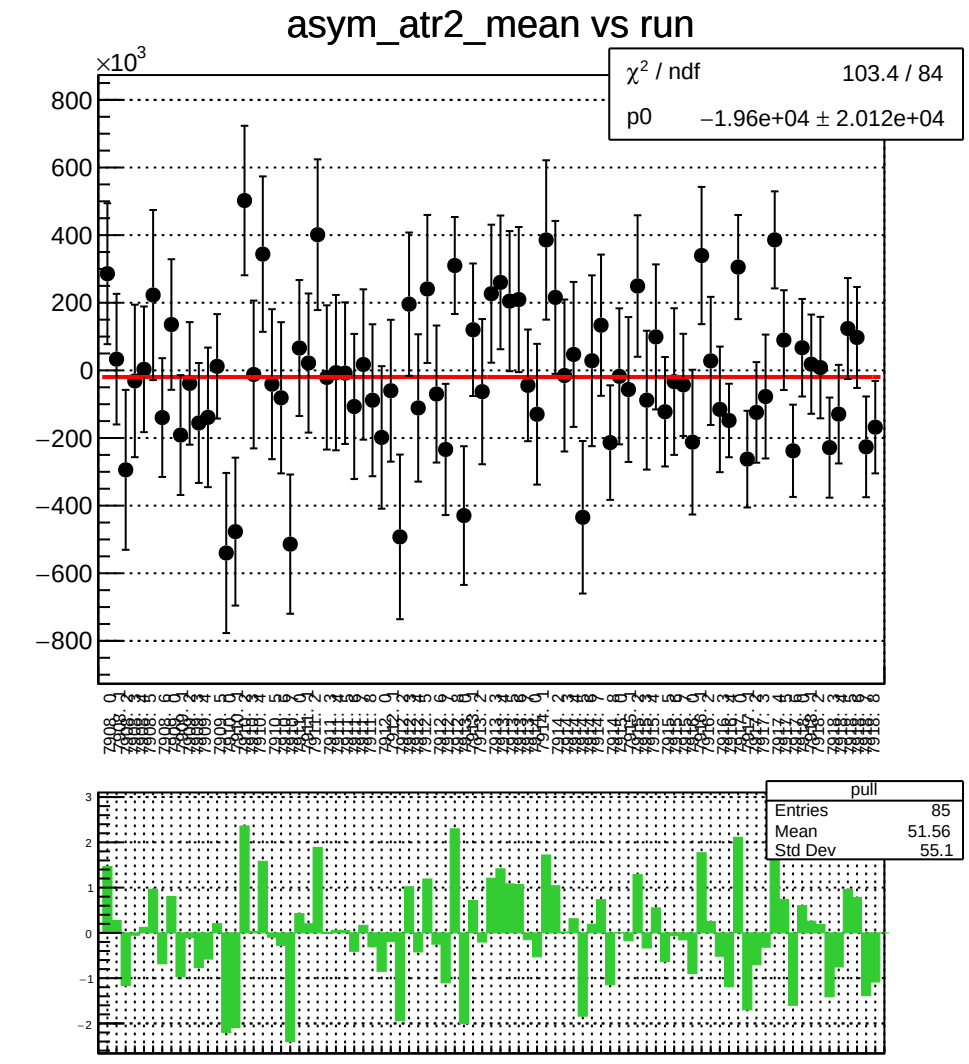

pull1D
Entries 85
Mean −0.01149
Std Dev 1.145

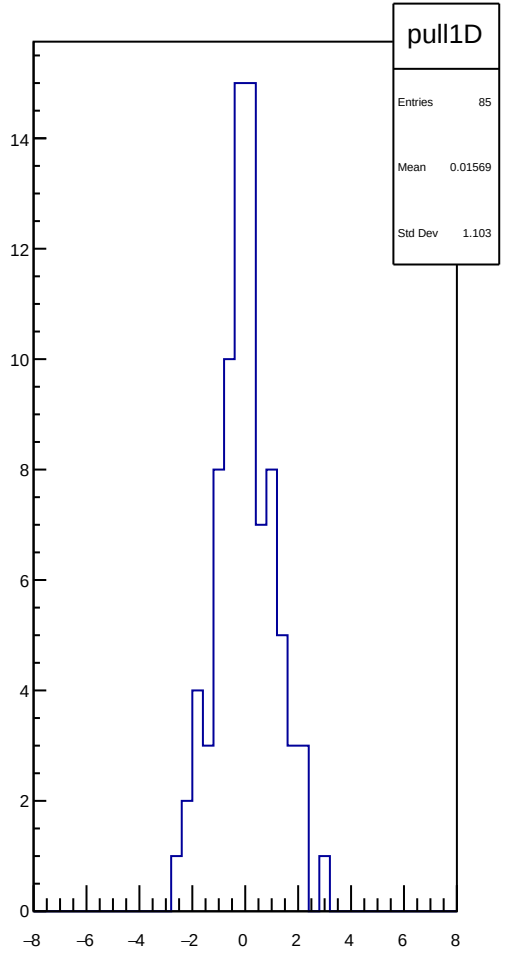

reg_asym_atr2_rms vs run
χ^2 / ndf 1.06e+04 / 84
p0 2854 ± 2.239
10000
8000
6000
4000
2000

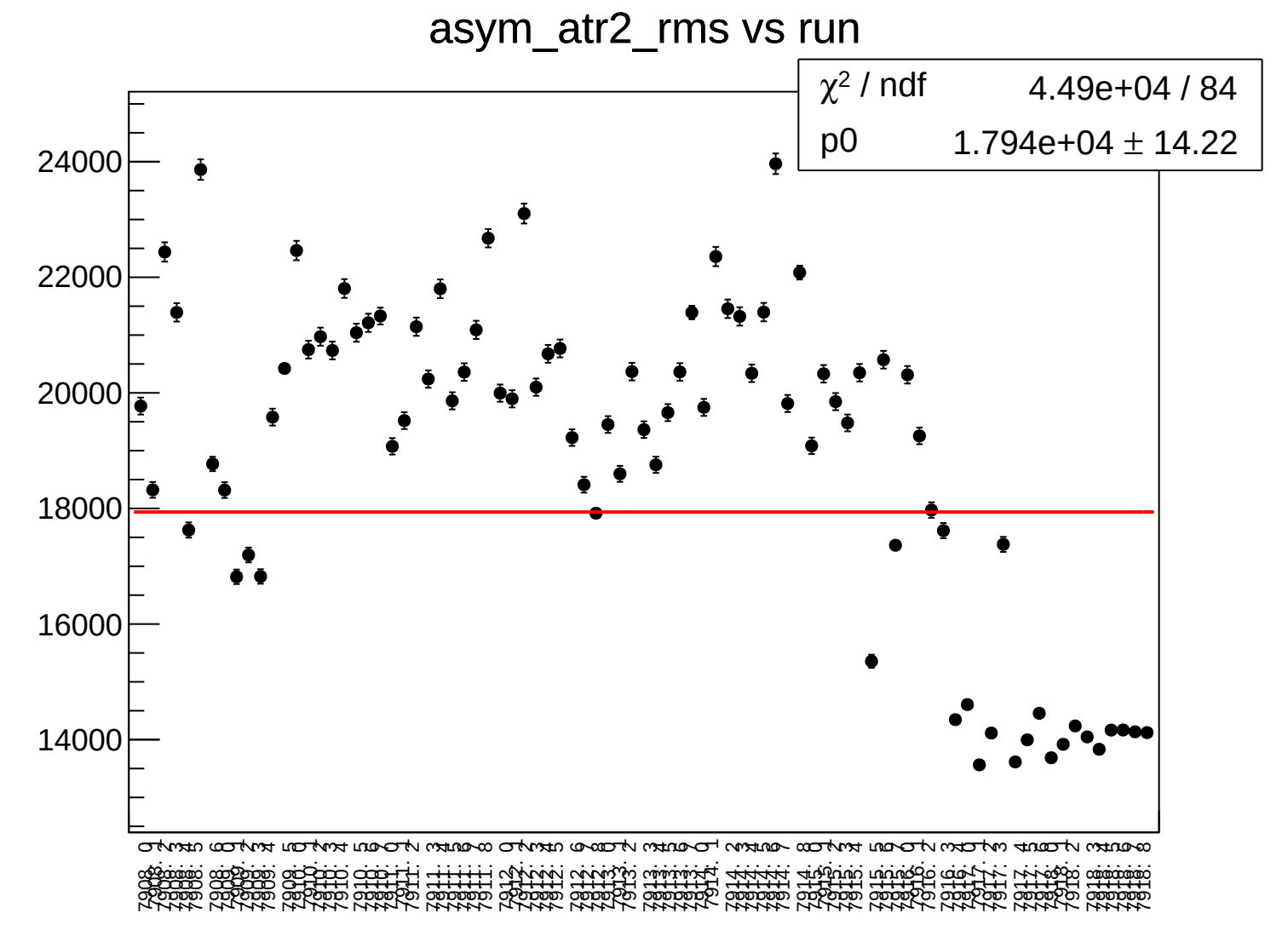

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 105 / 84
p0 1.762e+04 ± 1.977e+04
pull
Entries 85
Mean 31.31
Std Dev 52.93

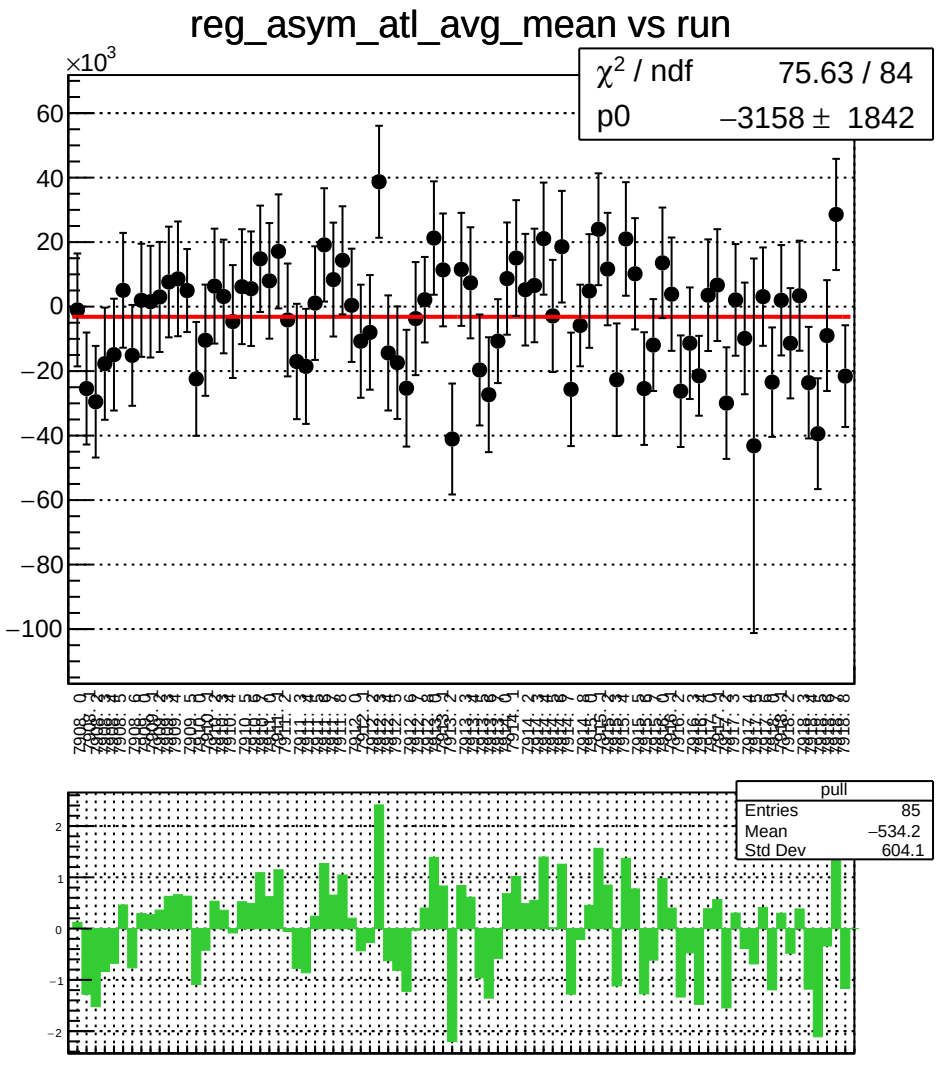

pull1D
Entries 85
Mean −0.01392
Std Dev 1.112

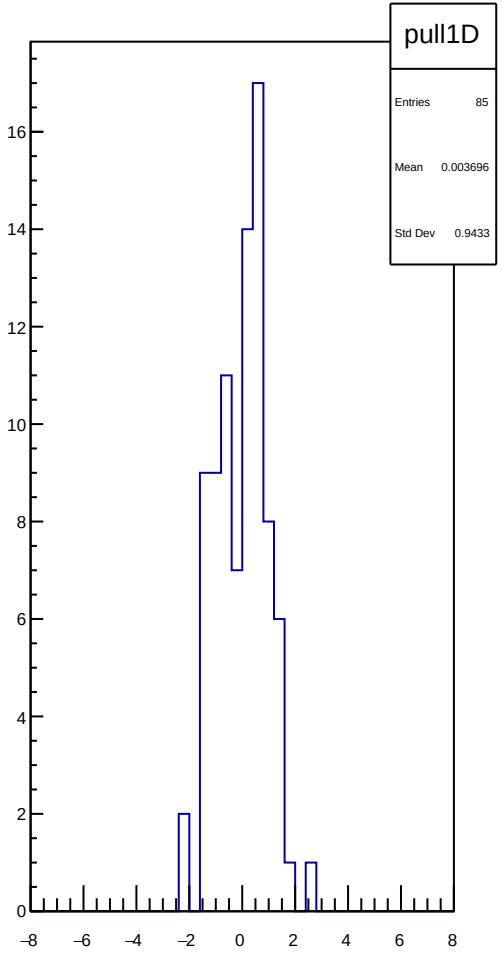

asym_atr2_correction_rms vs run
χ^2 / ndf 4.91e+04 / 84
p0 1.76e+04 ± 13.98
24000
22000
20000
18000
16000
14000

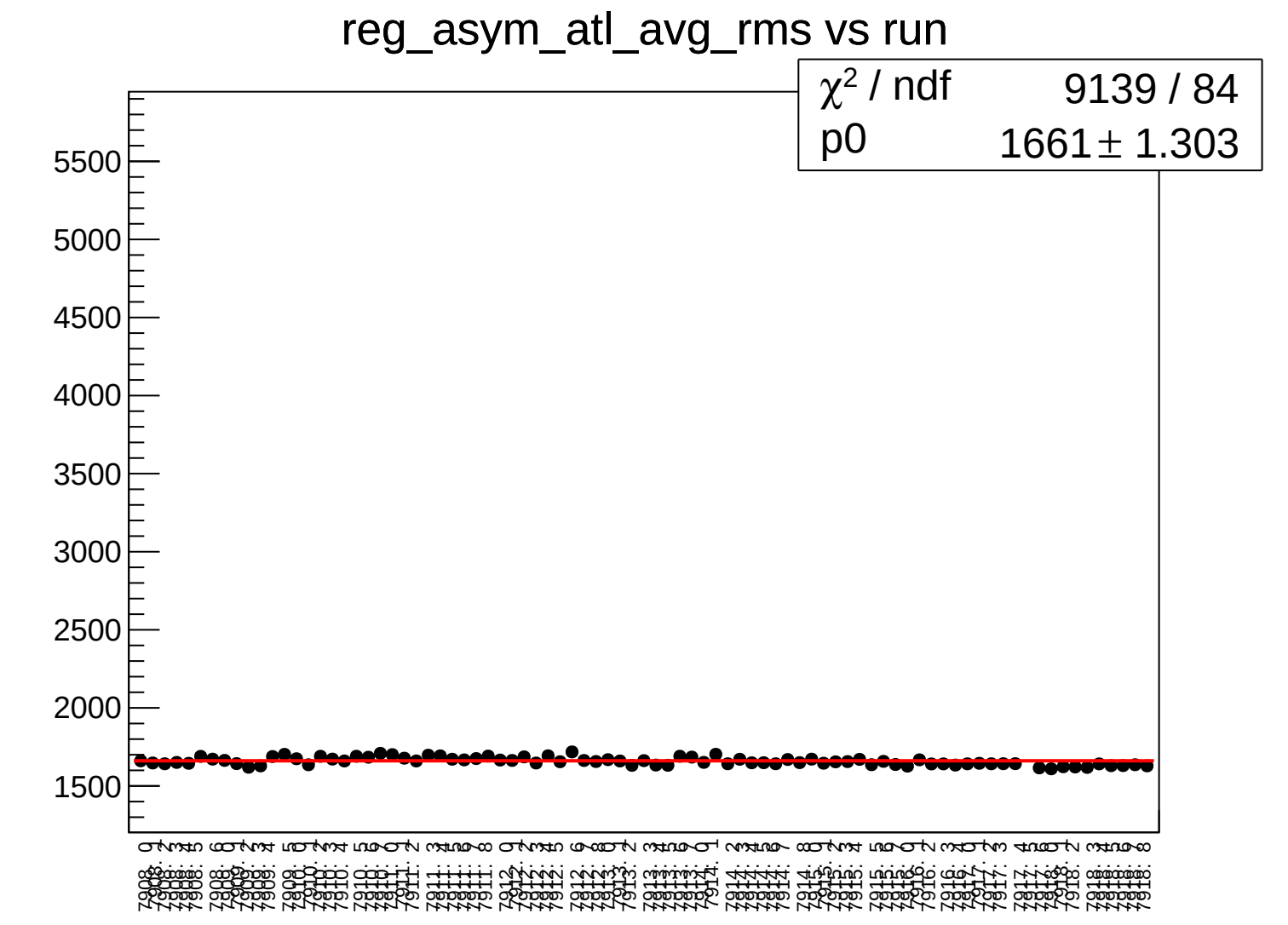

asym_atr2_mean vs run
×10^3
χ² / ndf 103.4 / 84
p0 −1.96e+04 ± 2.012e+04
pull
Entries 85
Mean 51.56
Std Dev 55.1

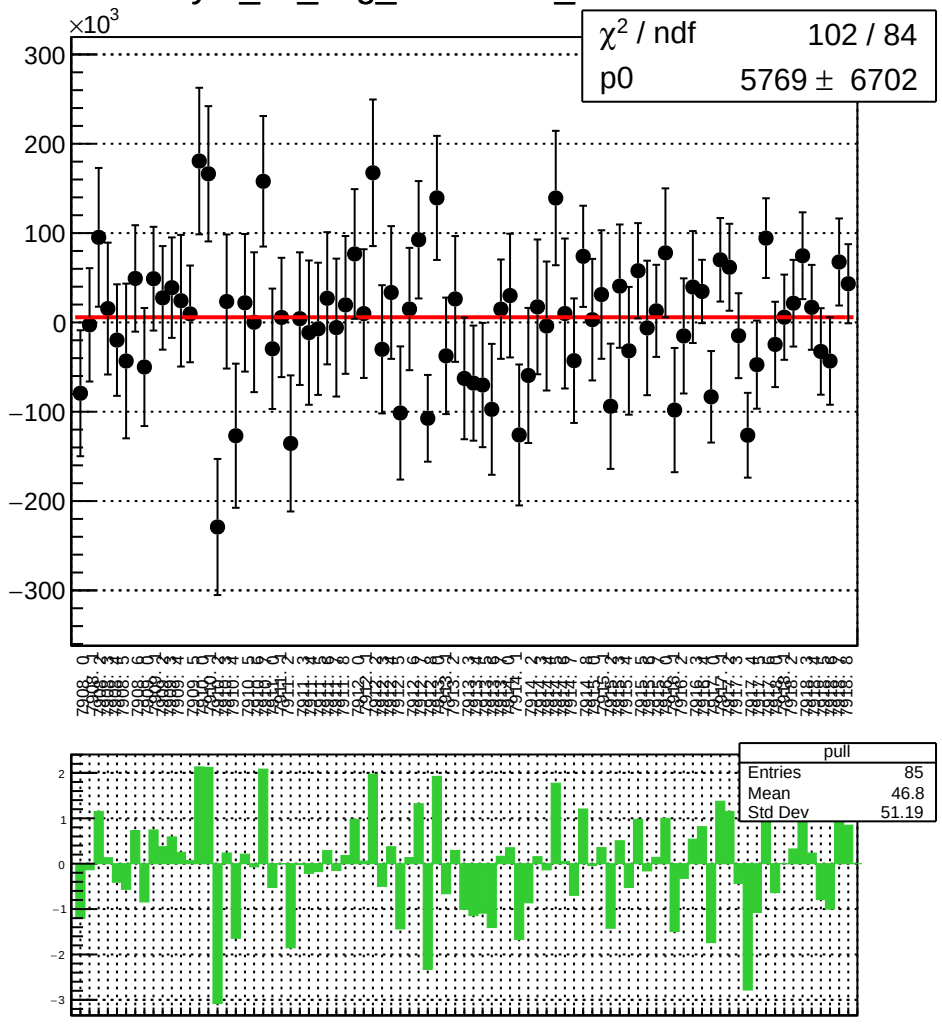

pull1D
Entries 85
Mean 0.01569
Std Dev 1.103

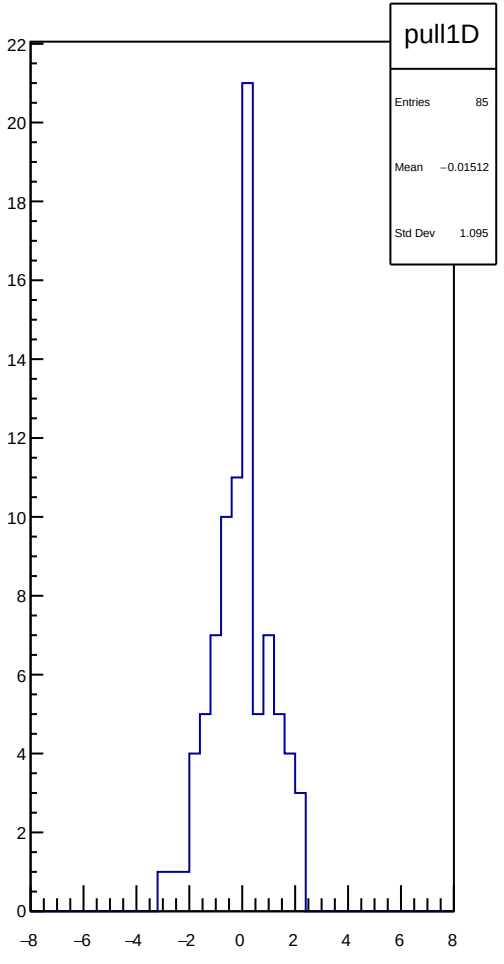

asym_atr2_rms vs run
χ² / ndf 4.49e+04 / 84
p0 1.794e+04 ± 14.22
24000
22000
20000
18000
16000
14000

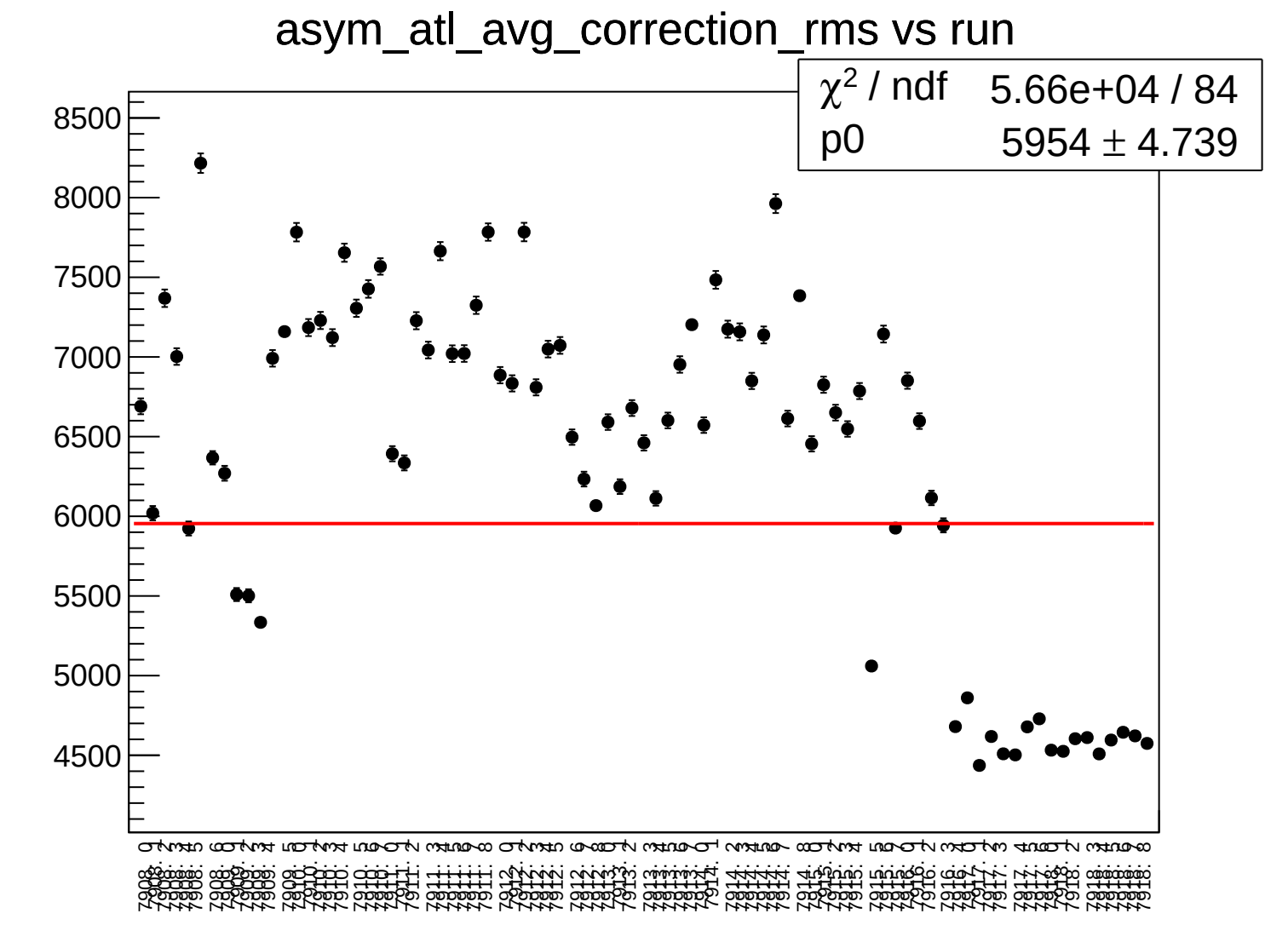

reg_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 75.63 / 84
p0 −3158 ± 1842
pull
Entries 85
Mean −534.2
Std Dev 604.1

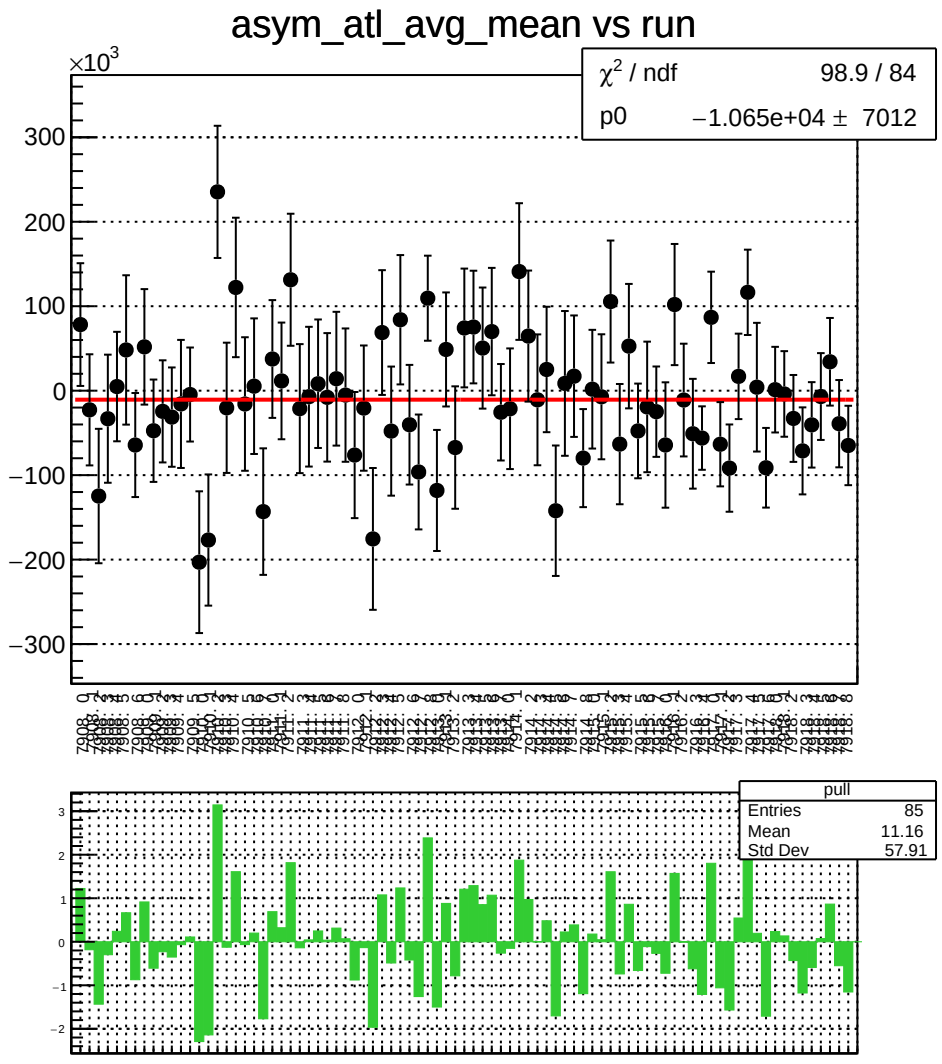

pull1D
Entries 85
Mean 0.003696
Std Dev 0.9433

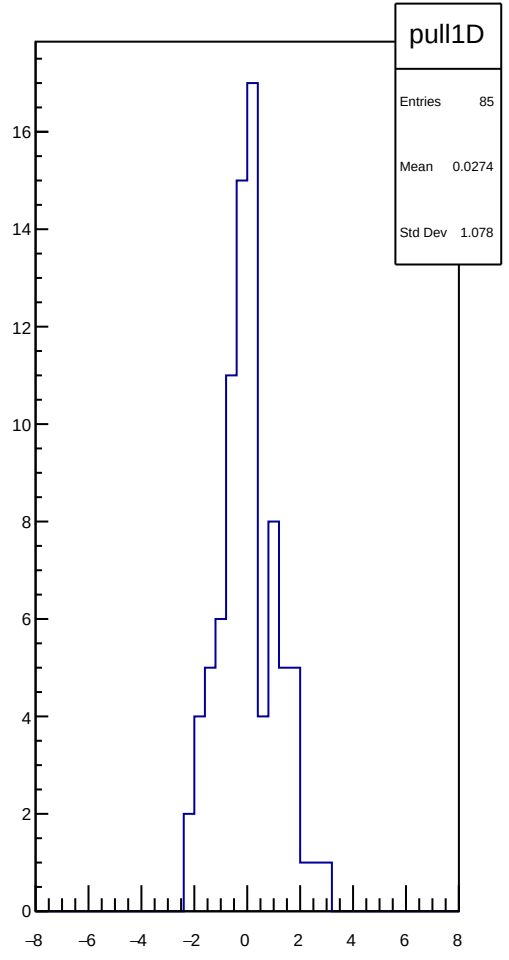

reg_asym_atl_avg_rms vs run
χ^2 / ndf 9139 / 84
p0 1661 ± 1.303
5500
5000
4500
4000
3500
3000
2500
2000
1500

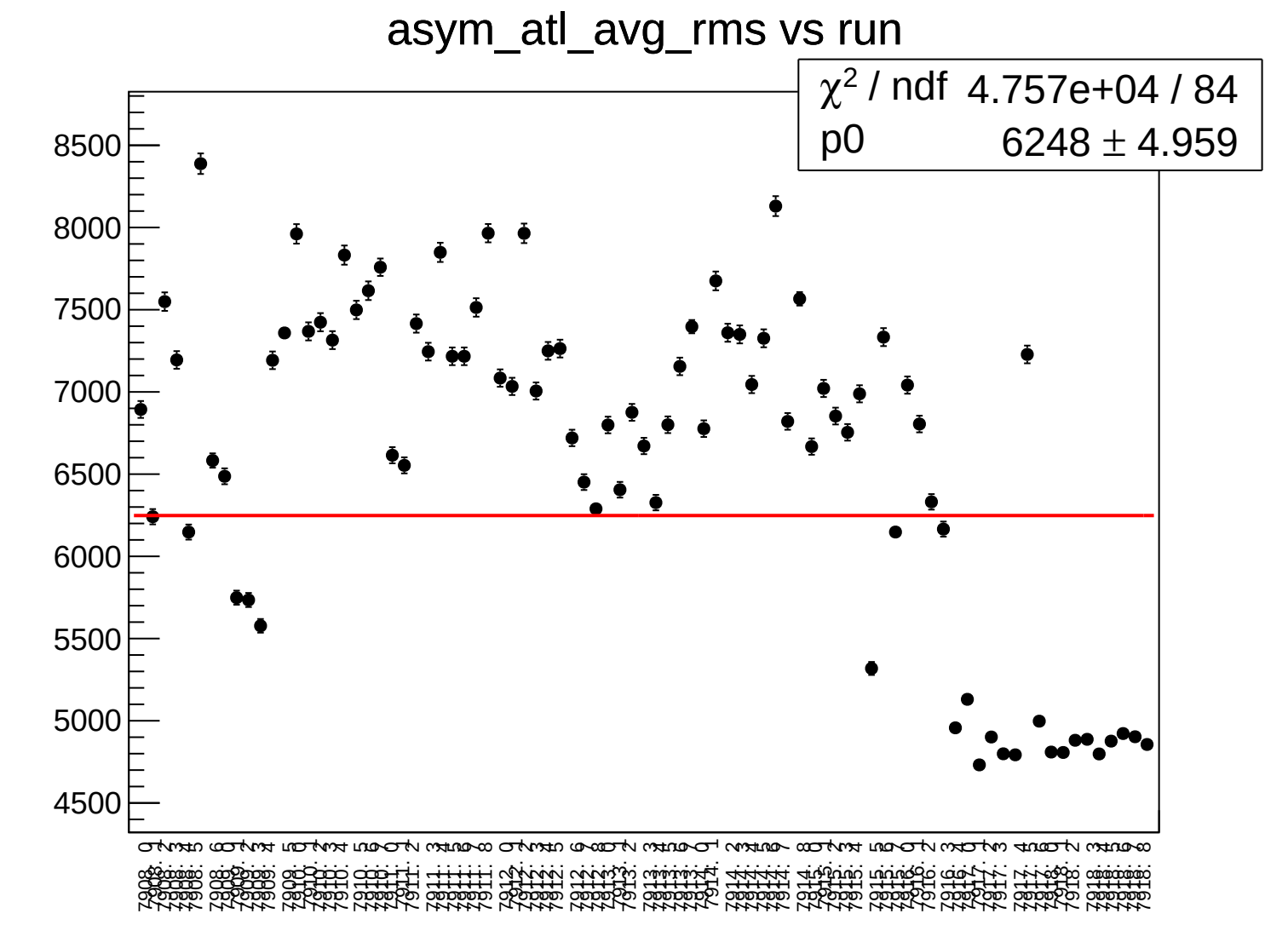

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 102 / 84
p0 5769 ± 6702
pull
Entries 85
Mean 46.8
Std Dev 51.19

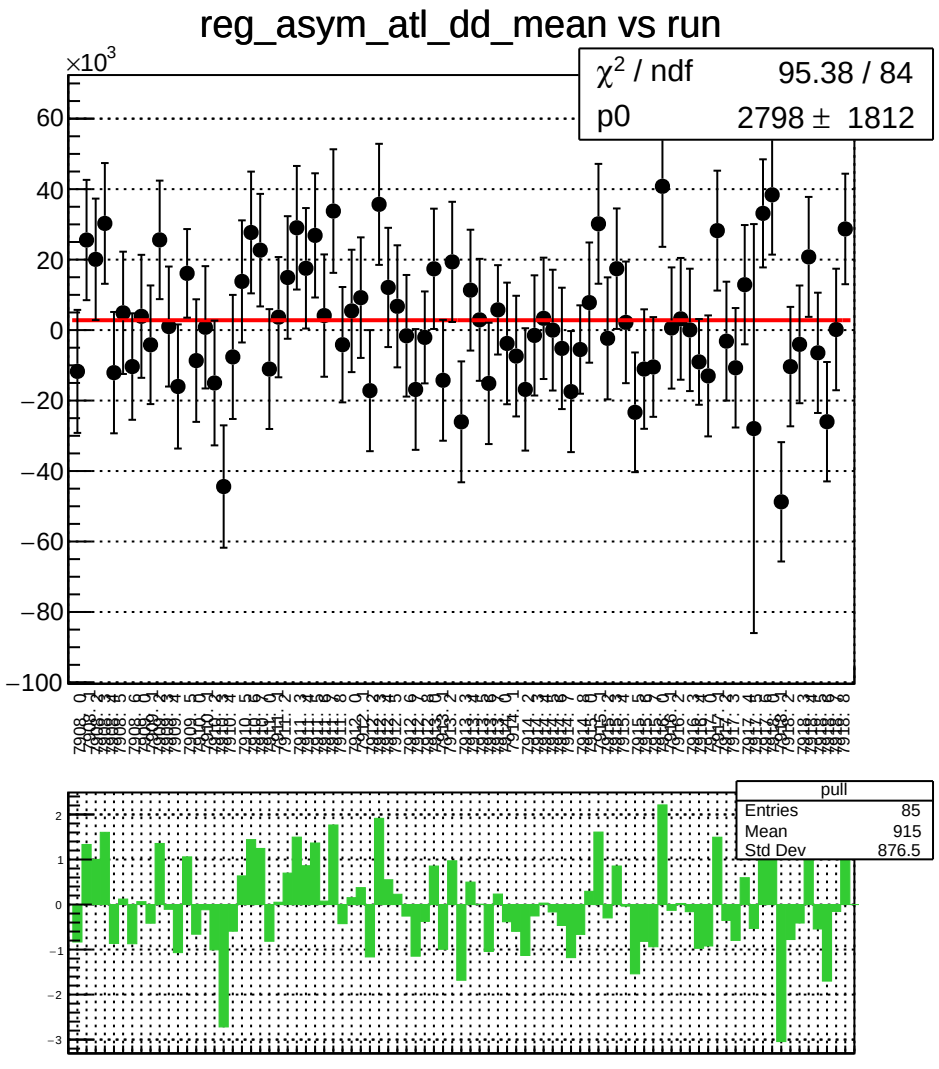

pull1D
Entries 85
Mean −0.01512
Std Dev 1.095

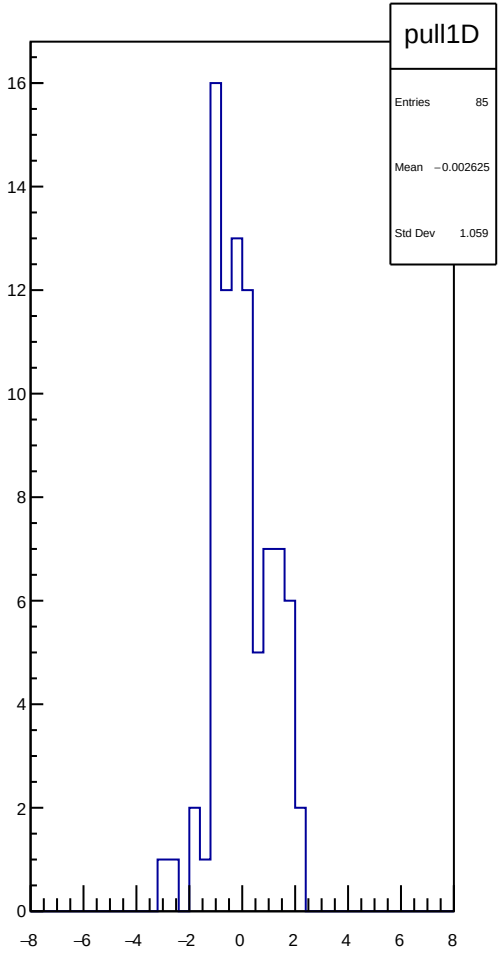

asym_atl_avg_correction_rms vs run
χ² / ndf 5.66e+04 / 84
p0 5954 ± 4.739
8500
8000
7500
7000
6500
6000
5500
5000
4500

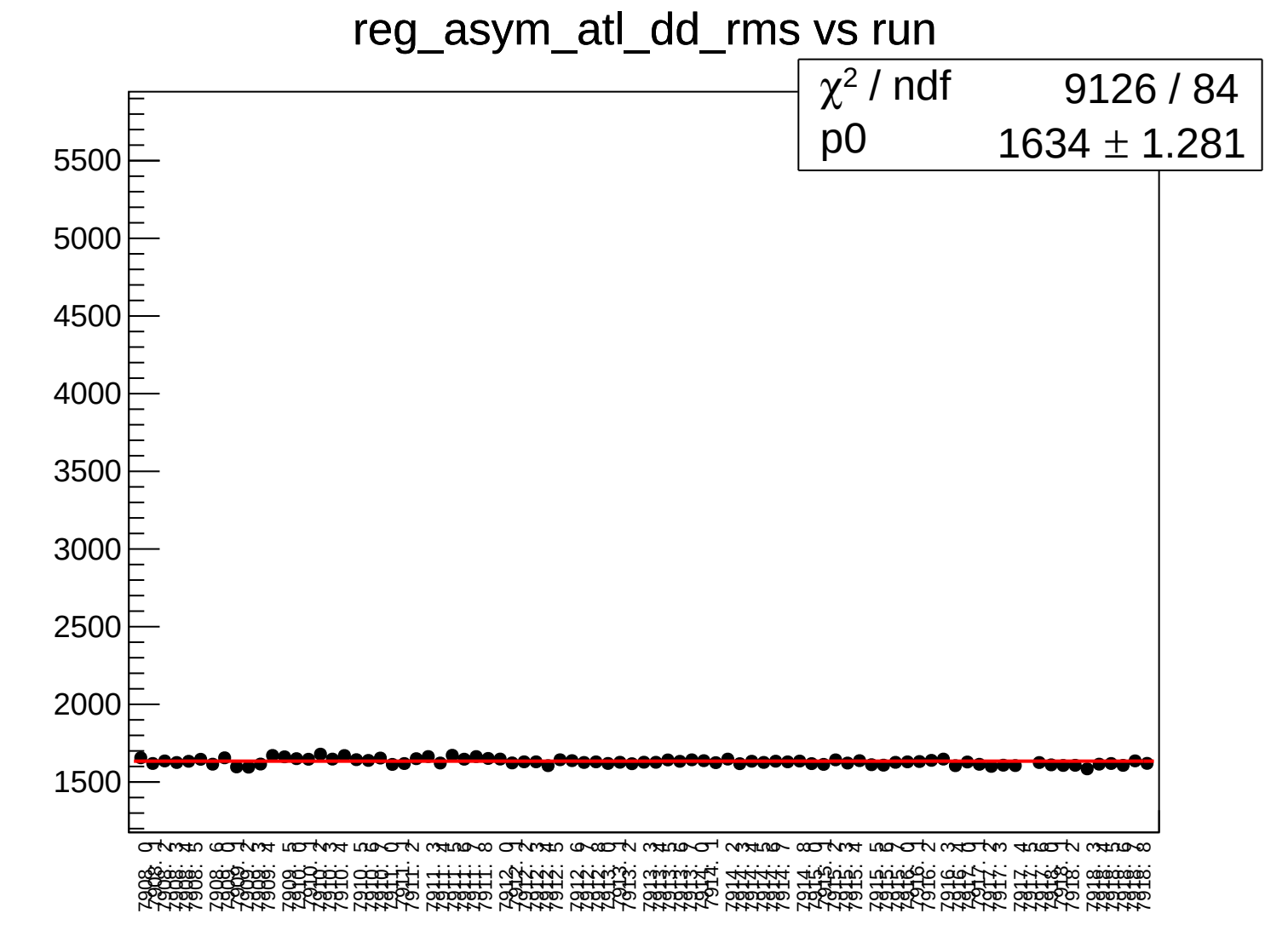

asym_atl_avg_mean vs run
×10^3
χ² / ndf 98.9 / 84
p0 −1.065e+04 ± 7012
300
200
100
0
−100
−200
−300
pull
Entries 85
Mean 11.16
Std Dev 57.91
3
2
1
0
−1
−2

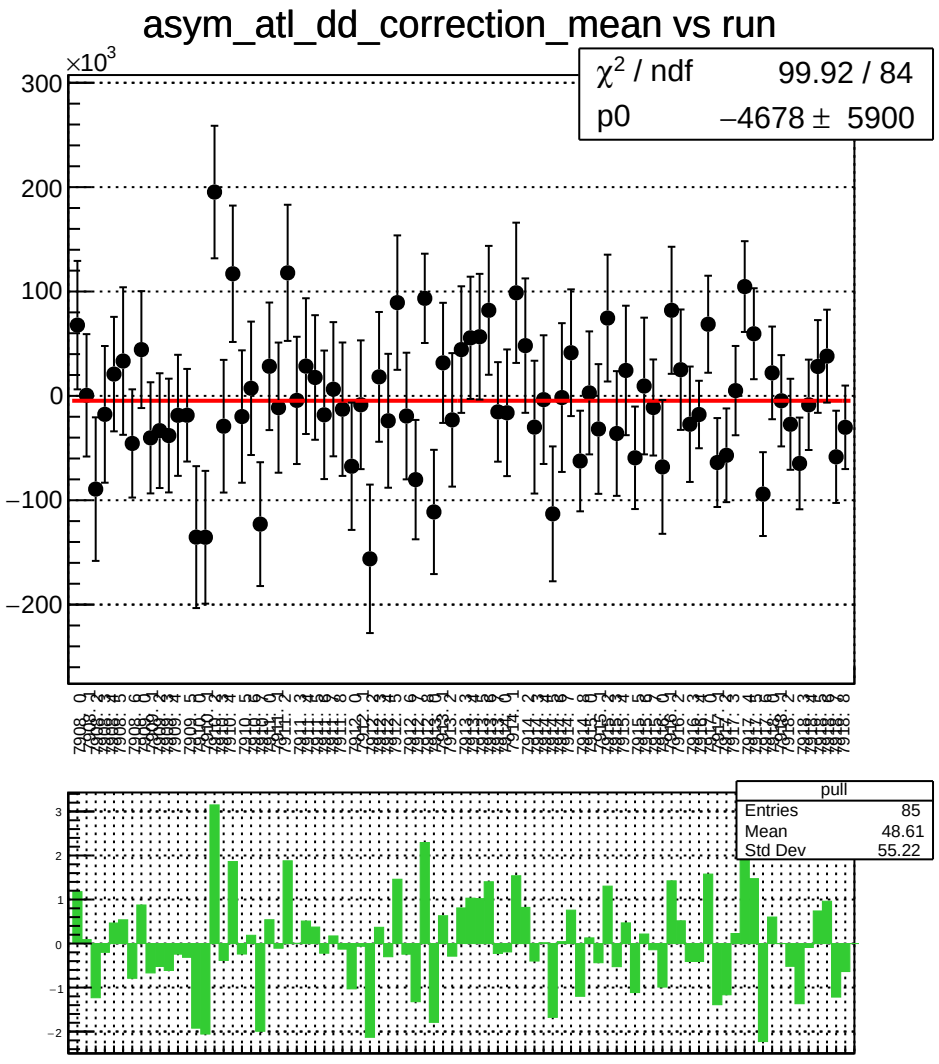

pull1D
Entries 85
Mean 0.0274
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

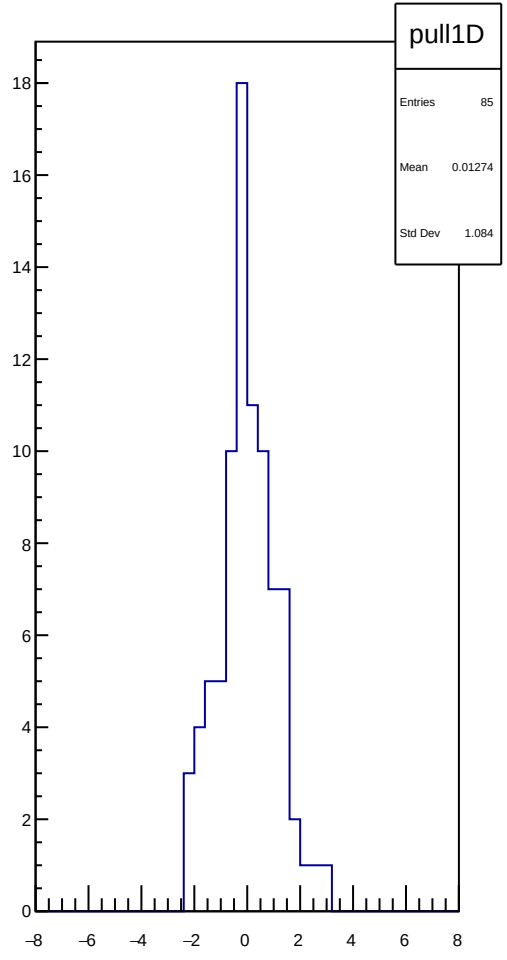

asym_atl_avg_rms vs run
χ² / ndf 4.757e+04 / 84
p0 6248 ± 4.959
8500
8000
7500
7000
6500
6000
5500
5000
4500

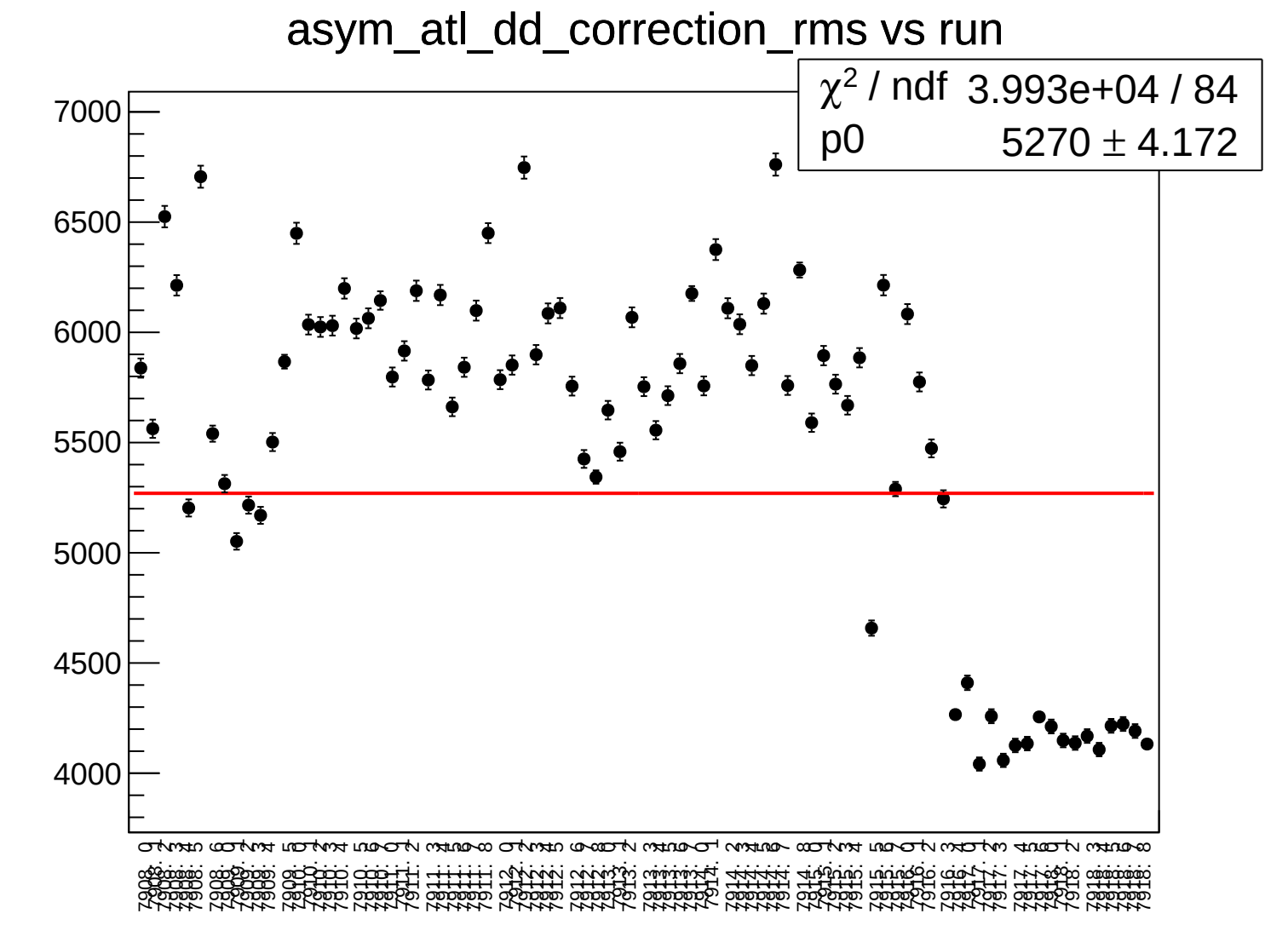

reg_asym_atl_dd_mean vs run
χ² / ndf 95.38 / 84
p0 2798 ± 1812
×10³
pull
Entries 85
Mean 915
Std Dev 876.5

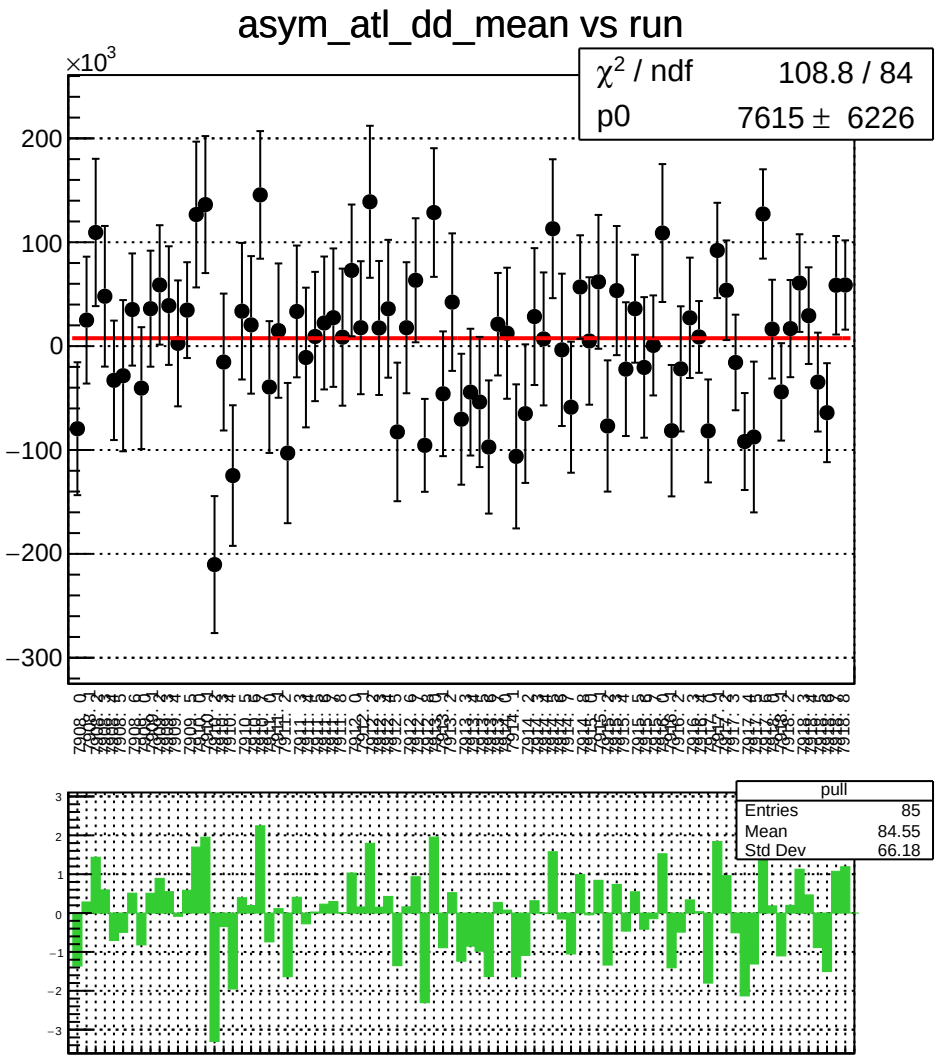

pull1D
Entries 85
Mean −0.002625
Std Dev 1.059

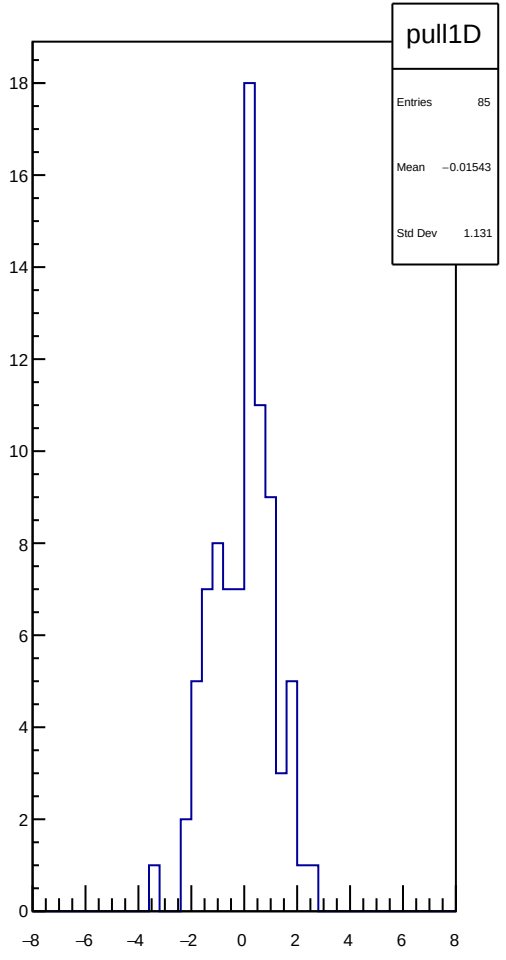

reg_asym_atl_dd_rms vs run
χ^2 / ndf 9126 / 84
p0 1634 ± 1.281
5500
5000
4500
4000
3500
3000
2500
2000
1500

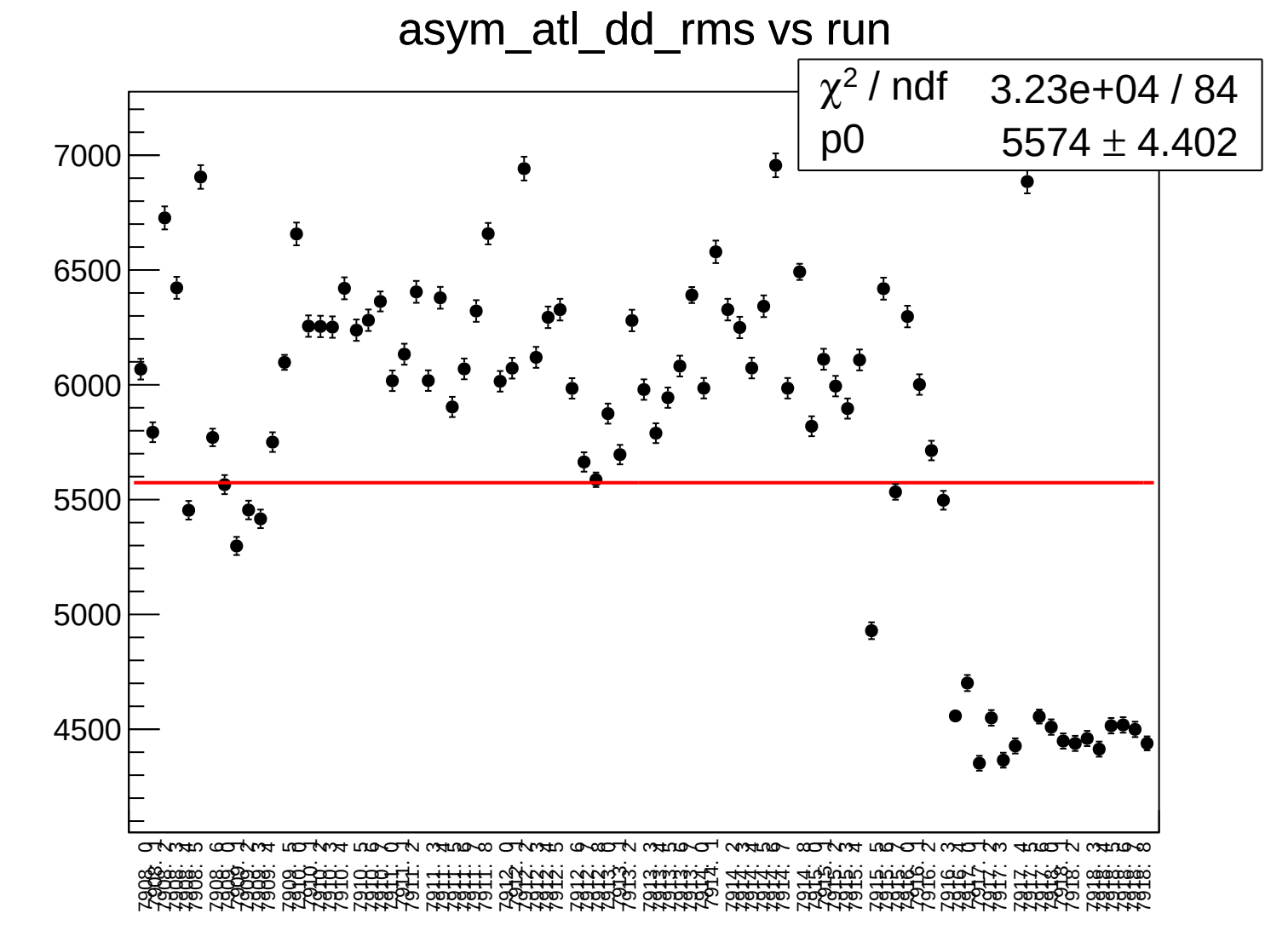

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 99.92 / 84
p0 −4678 ± 5900
300
200
100
0
−100
−200
pull
Entries 85
Mean 48.61
Std Dev 55.22
3
2
1
0
−1
−2

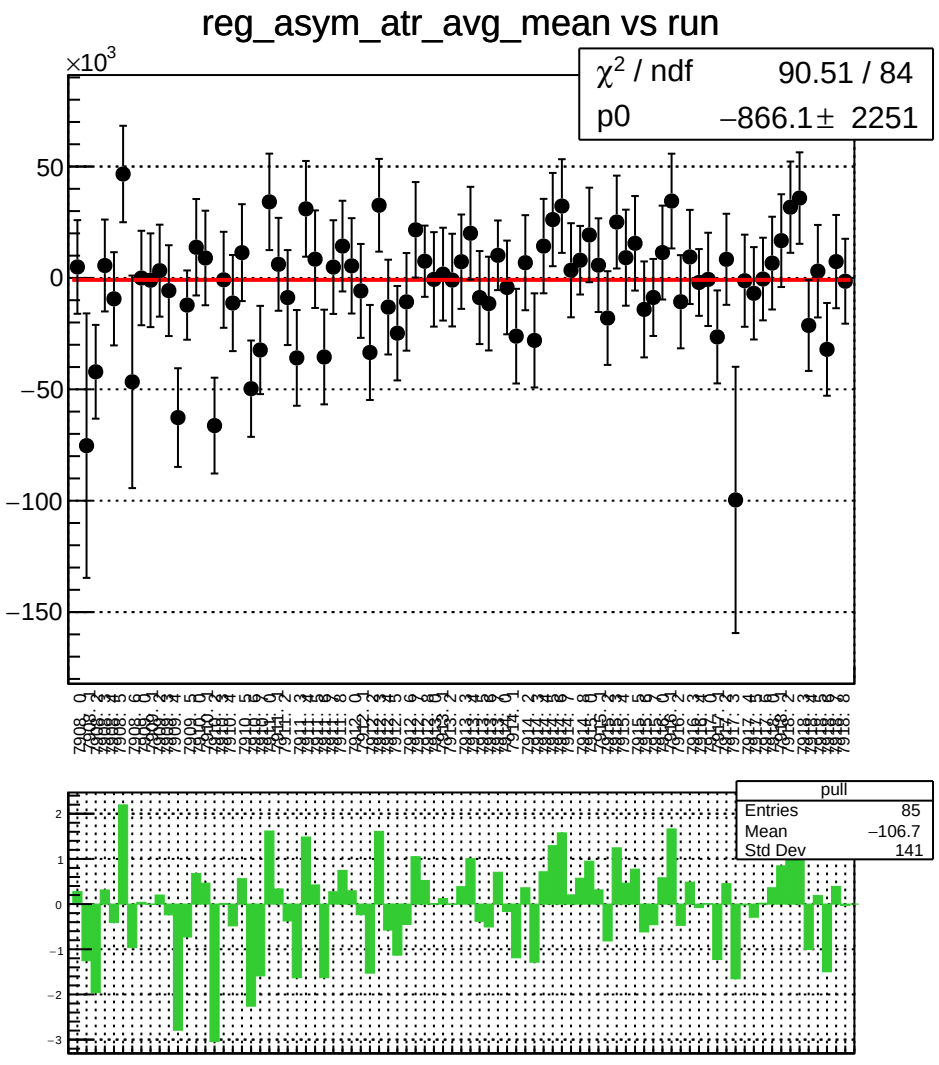

pull1D
Entries 85
Mean 0.01274
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

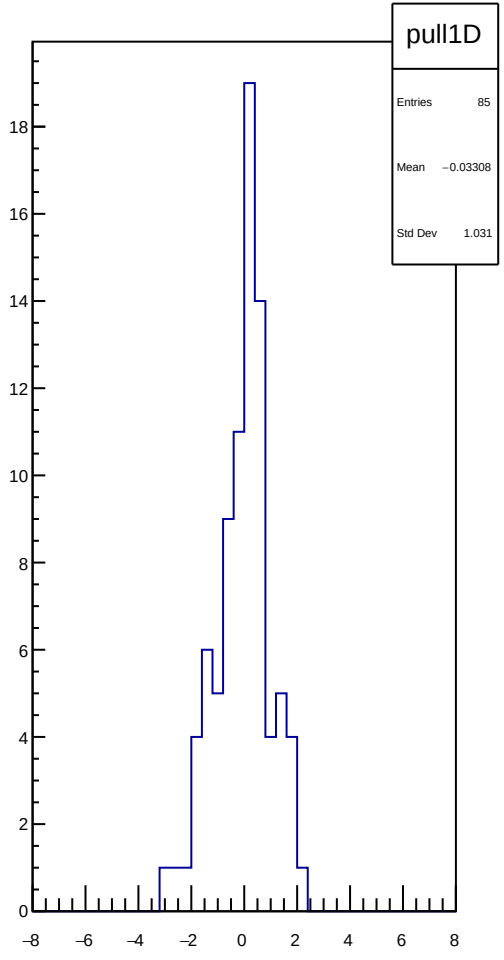

asym_atl_dd_correction_rms vs run
χ² / ndf 3.993e+04 / 84
p0 5270 ± 4.172
7000
6500
6000
5500
5000
4500
4000

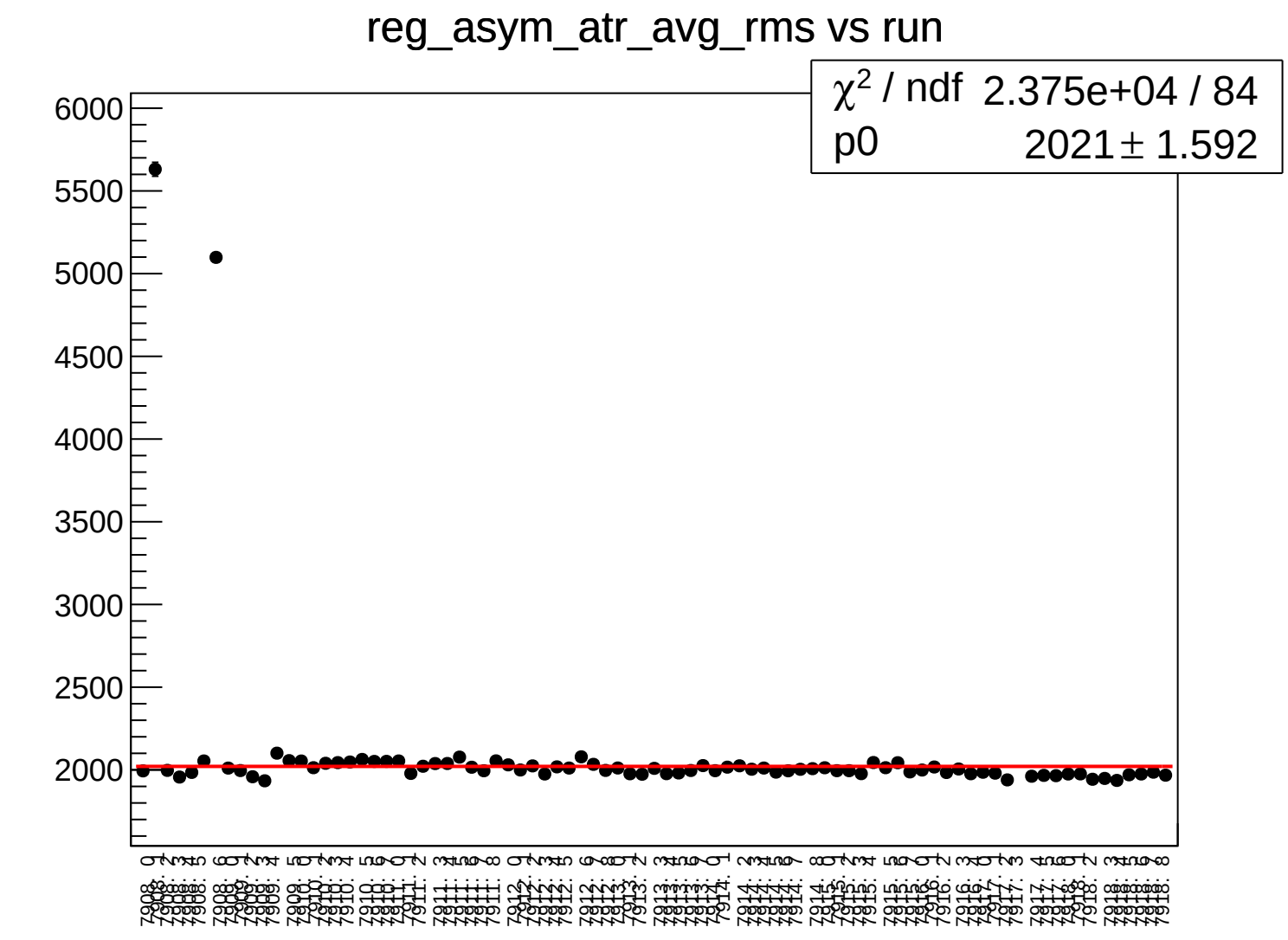

asym_atl_dd_mean vs run
×10^3
χ² / ndf 108.8 / 84
p0 7615 ± 6226
200
100
0
−100
−200
−300
pull
Entries 85
Mean 84.55
Std Dev 66.18
3
2
1
0
−1
−2
−3

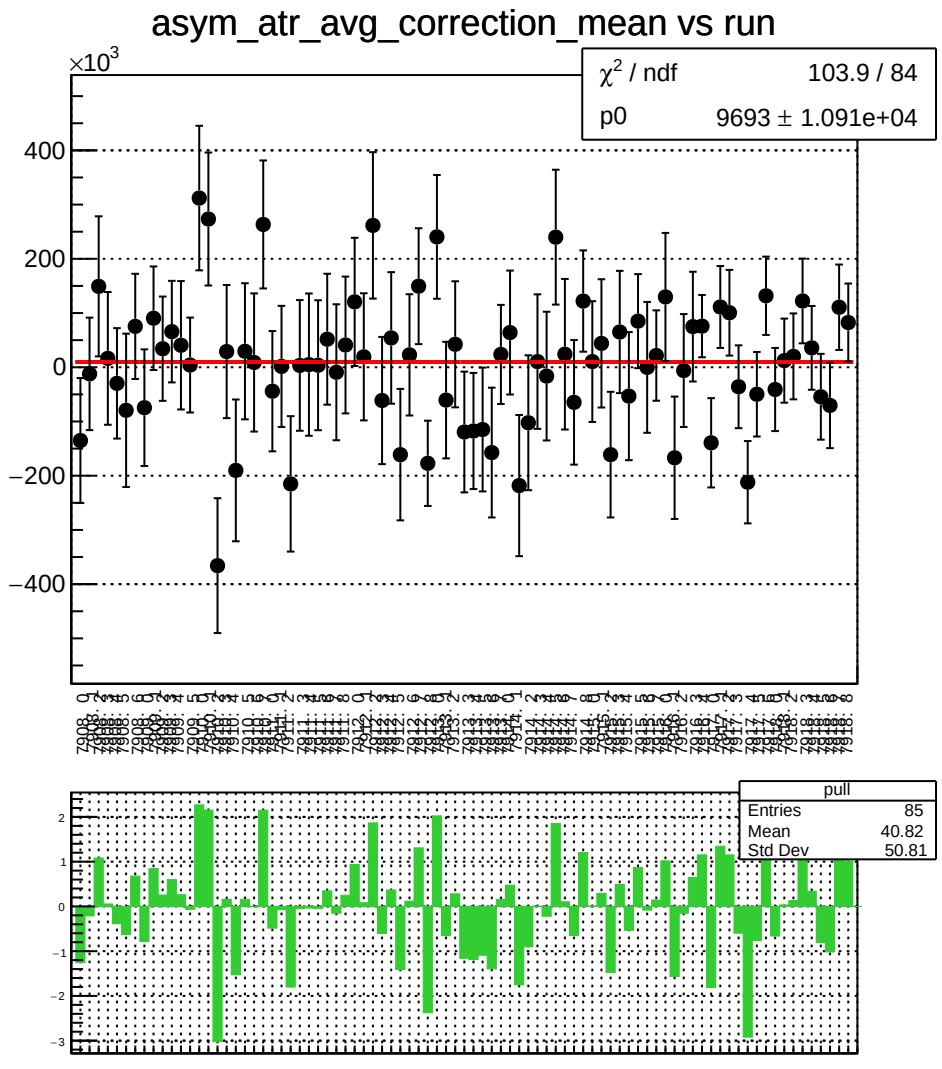

pull1D
Entries 85
Mean −0.01543
Std Dev 1.131
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

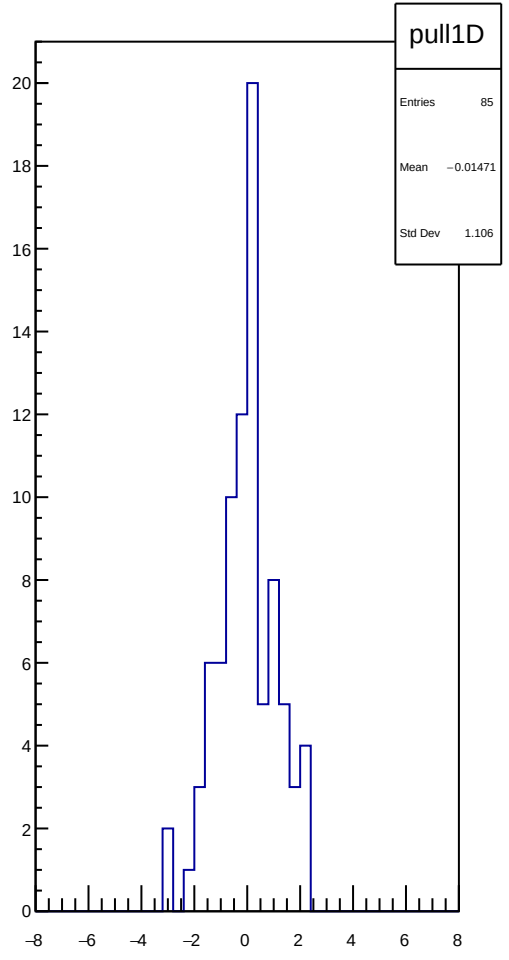

asym_atl_dd_rms vs run
χ² / ndf 3.23e+04 / 84
p0 5574 ± 4.402
7000
6500
6000
5500
5000
4500

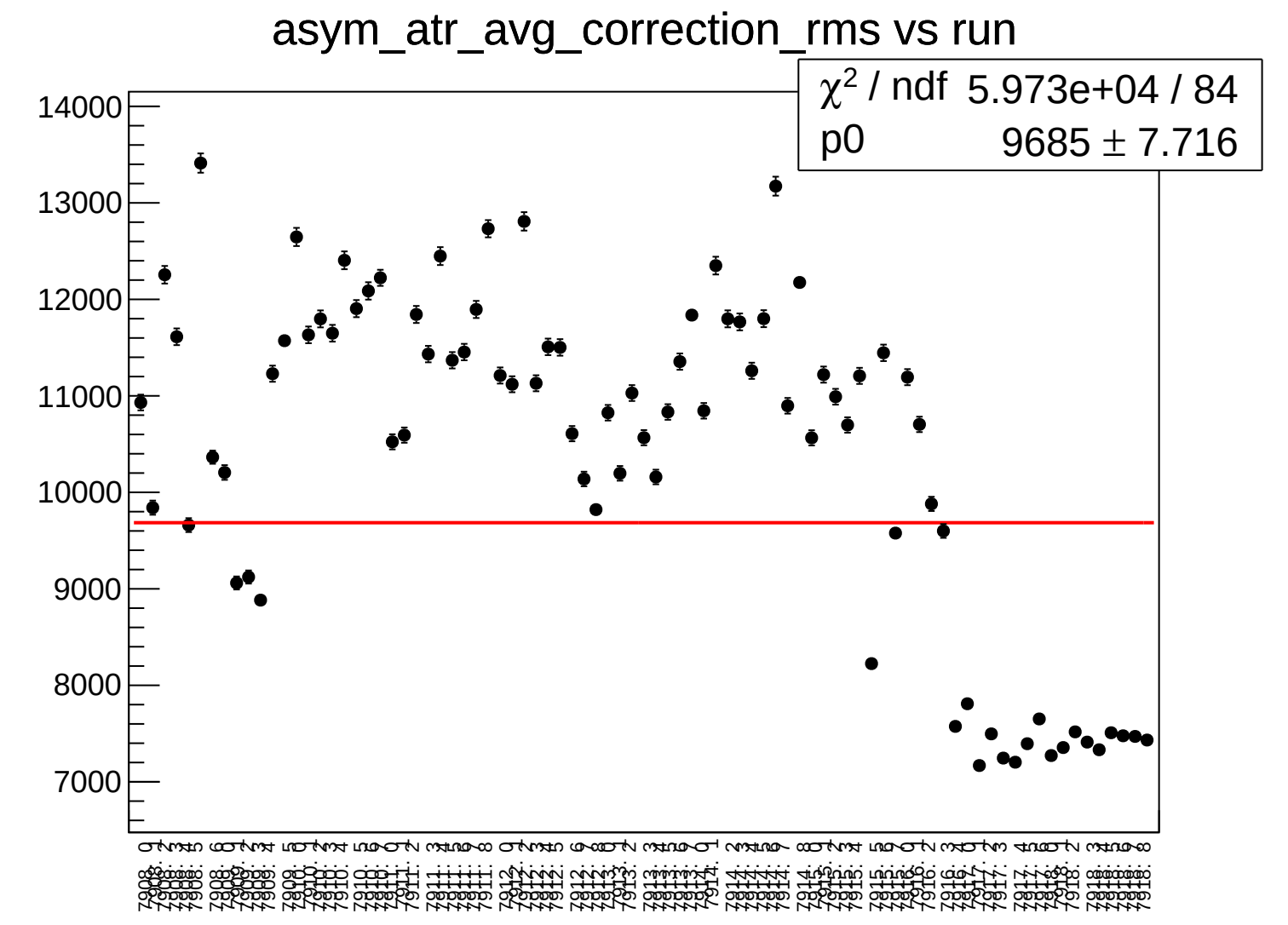

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 90.51 / 84
p0 −866.1± 2251
50
0
−50
−100
−150
pull
Entries 85
Mean −106.7
Std Dev 141
2
1
0
−1
−2
−3

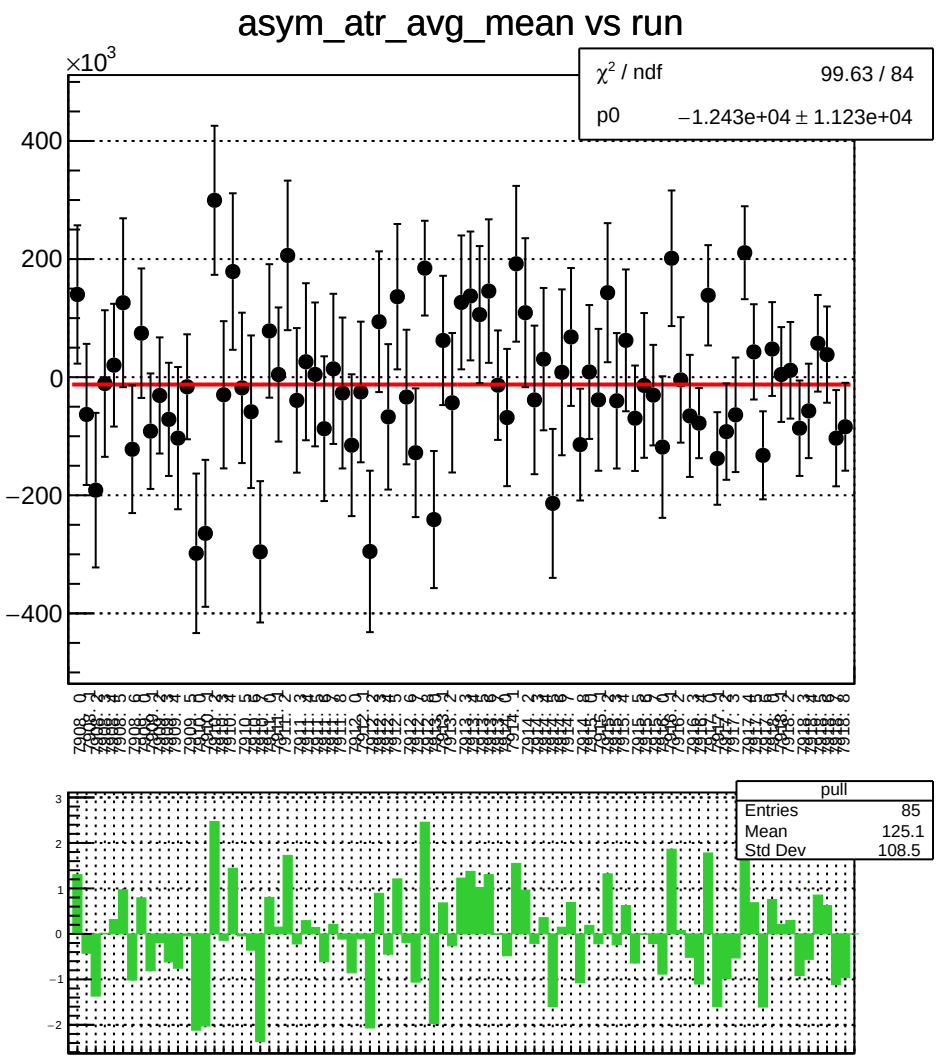

pull1D
Entries 85
Mean −0.03308
Std Dev 1.031
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

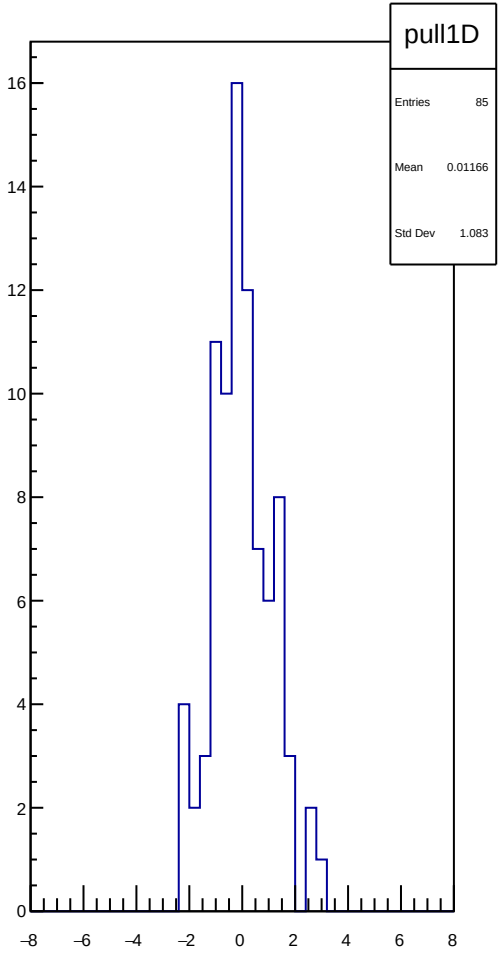

reg_asym_atr_avg_rms vs run
χ² / ndf 2.375e+04 / 84
p0 2021 ± 1.592
6000
5500
5000
4500
4000
3500
3000
2500
2000


asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 103.9 / 84
p0 9693 ± 1.091e+04
400
200
0
−200
−400
pull
Entries 85
Mean 40.82
Std Dev 50.81
2
1
0
−1
−2
−3


pull1D
Entries 85
Mean −0.01471
Std Dev 1.106
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_correction_rms vs run
χ² / ndf 5.973e+04 / 84
p0 9685 ± 7.716
14000
13000
12000
11000
10000
9000
8000
7000


asym_atr_avg_mean vs run
×10^3
χ² / ndf 99.63 / 84
p0 −1.243e+04 ± 1.123e+04
400
200
0
−200
−400
pull
Entries 85
Mean 125.1
Std Dev 108.5
3
2
1
0
−1
−2


pull1D
Entries 85
Mean 0.01166
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
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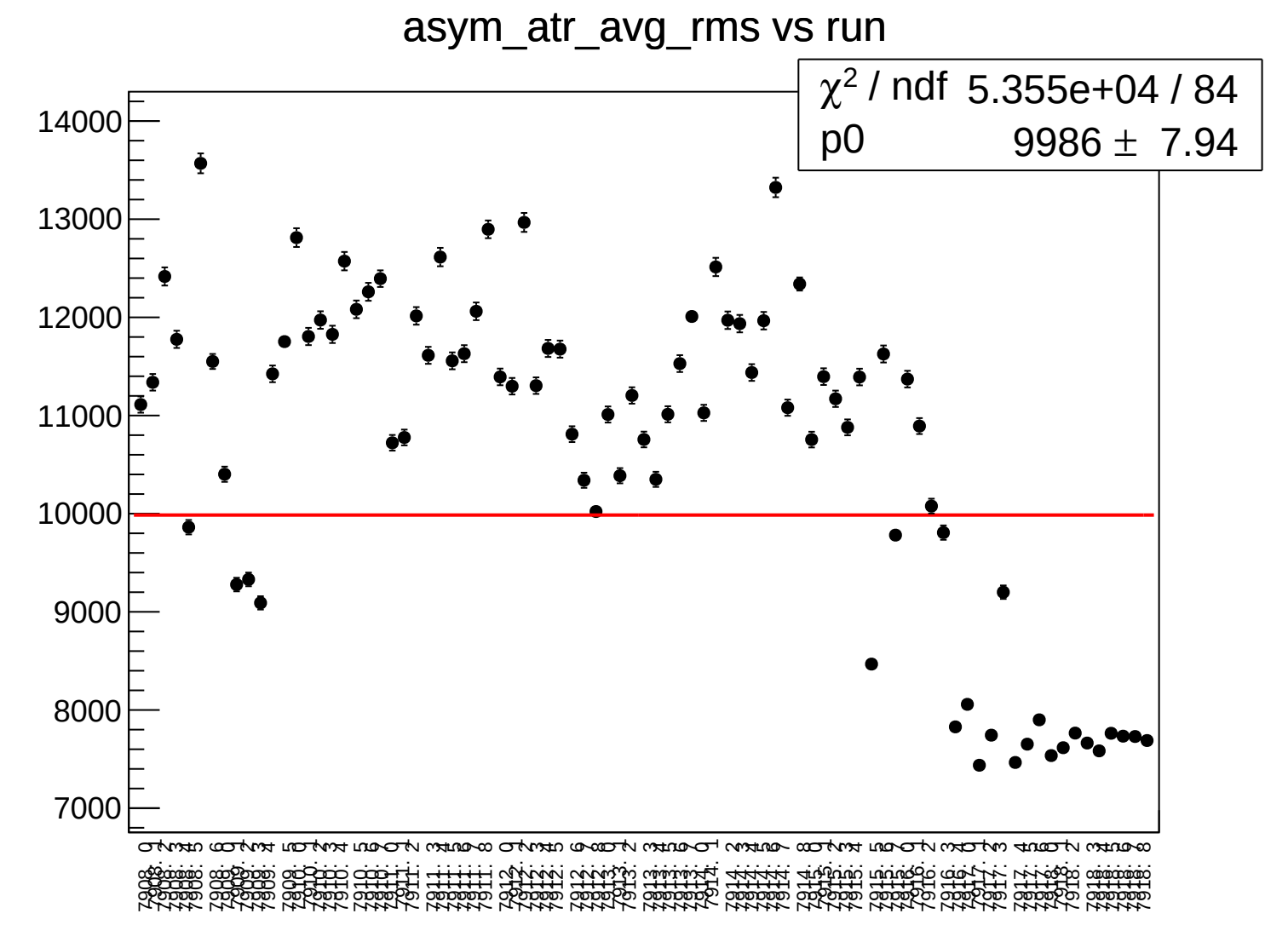
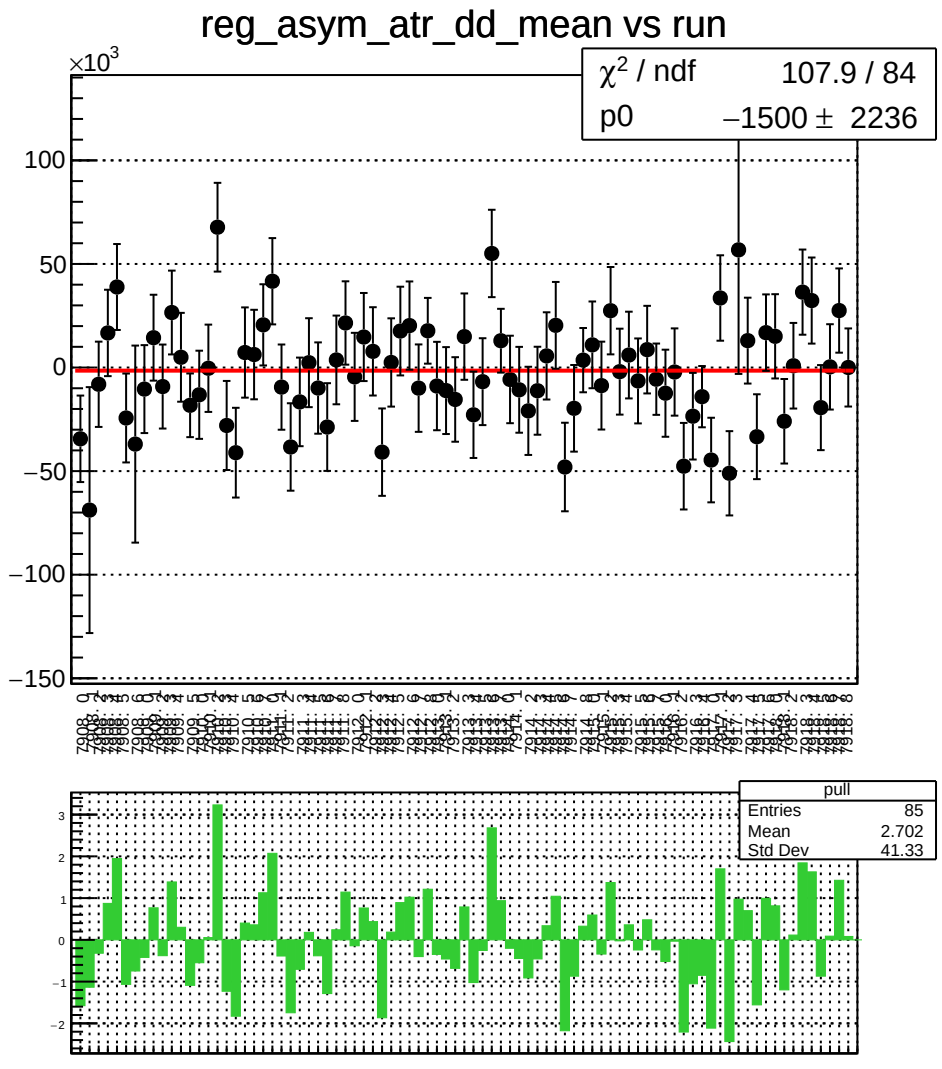
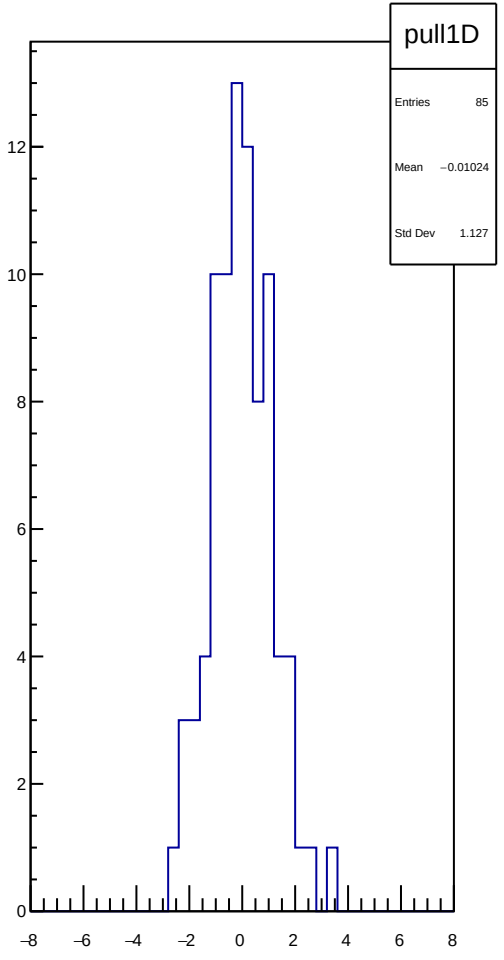
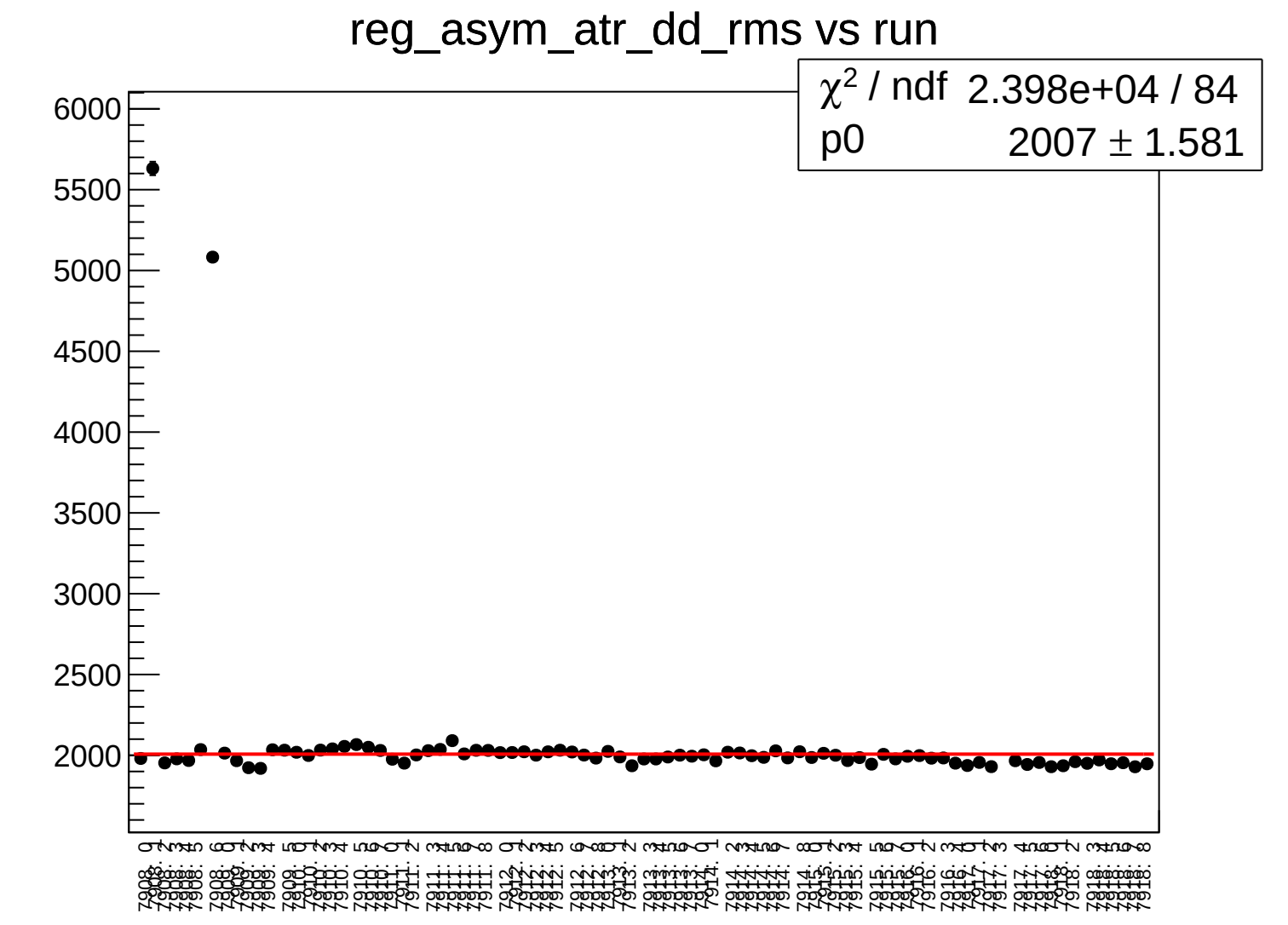
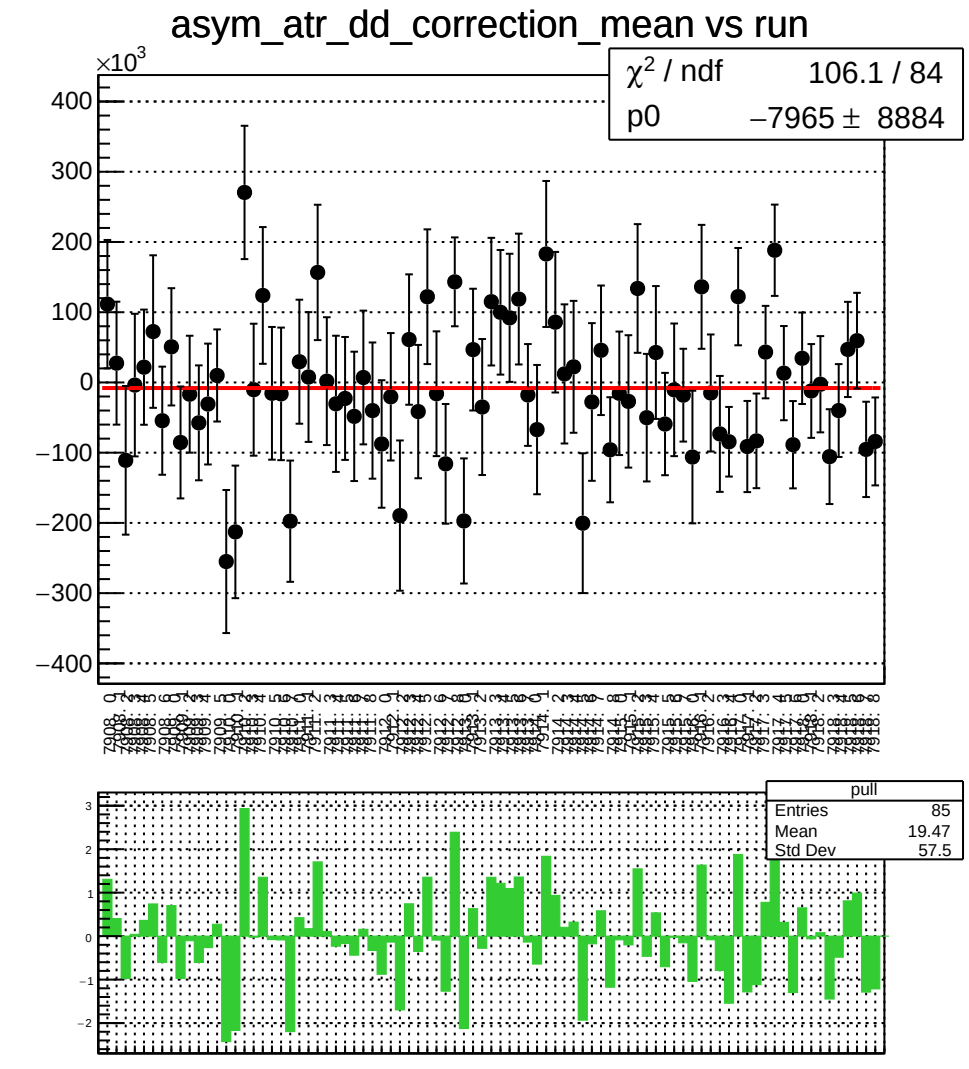
0
2
4
6
8

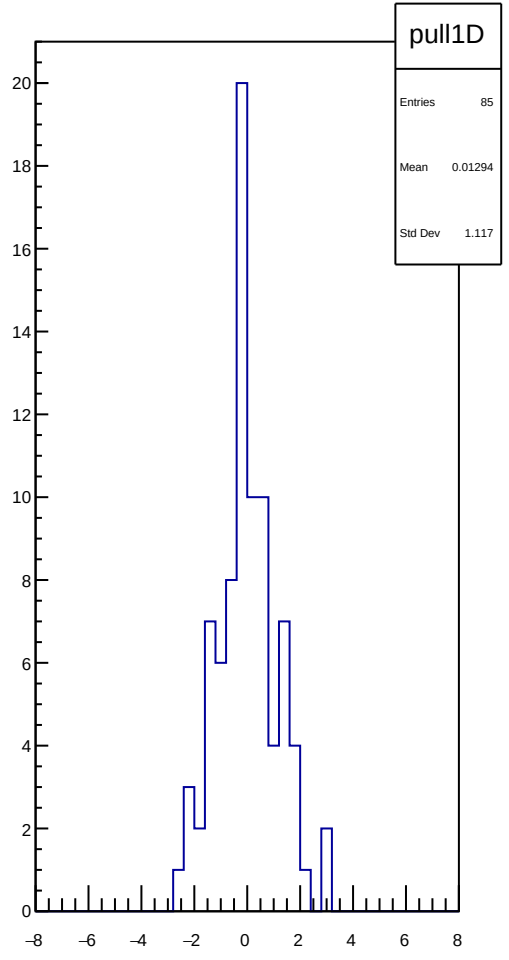

asym_atr_avg_rms vs run
χ² / ndf 5.355e+04 / 84
p0 9986 ± 7.94
14000
13000
12000
11000
10000
9000
8000
7000

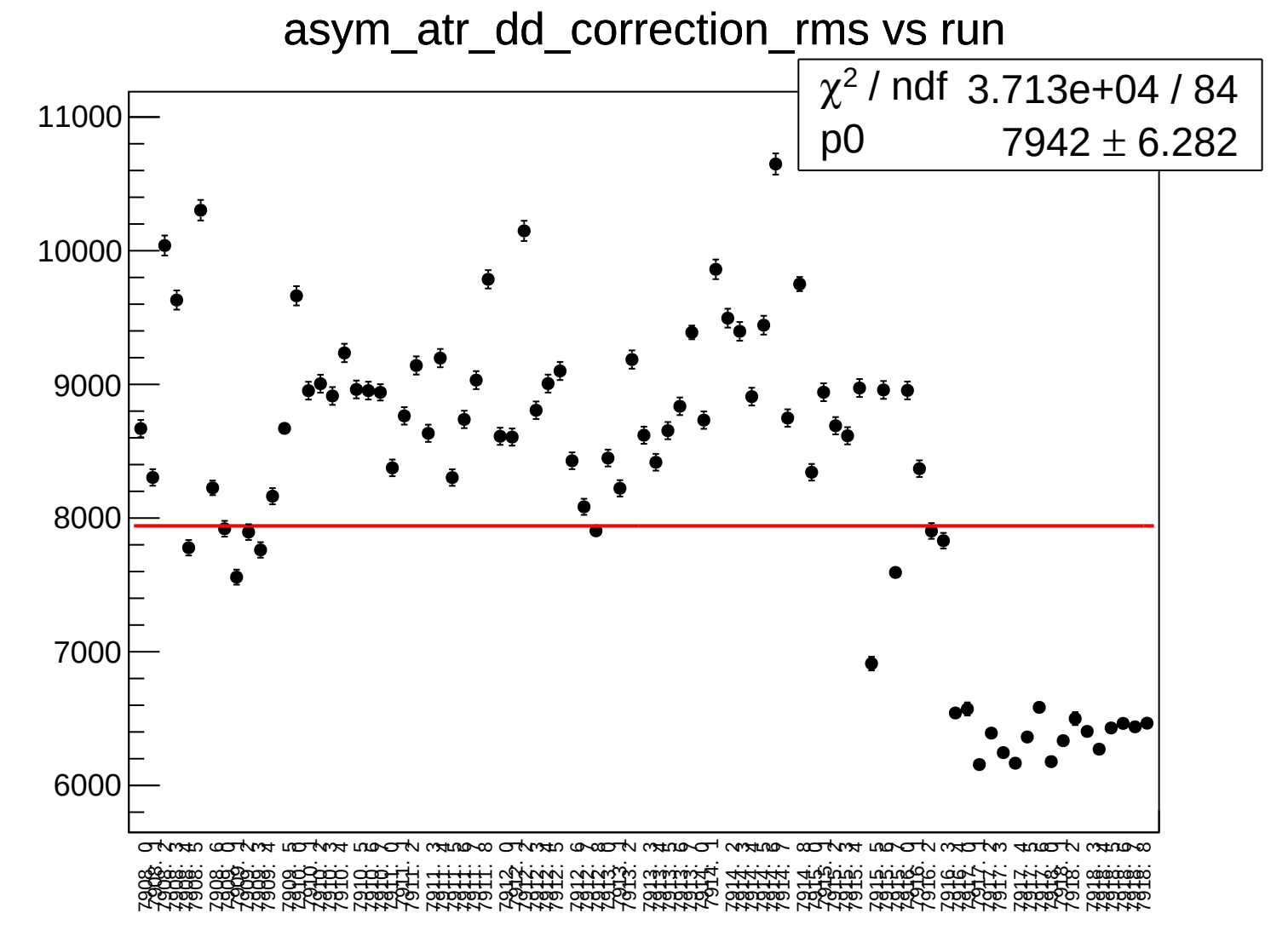

reg_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 107.9 / 84
p0 −1500 ± 2236
100
50
0
−50
−100
−150
pull
Entries 85
Mean 2.702
Std Dev 41.33
3
2
1
0
−1
−2

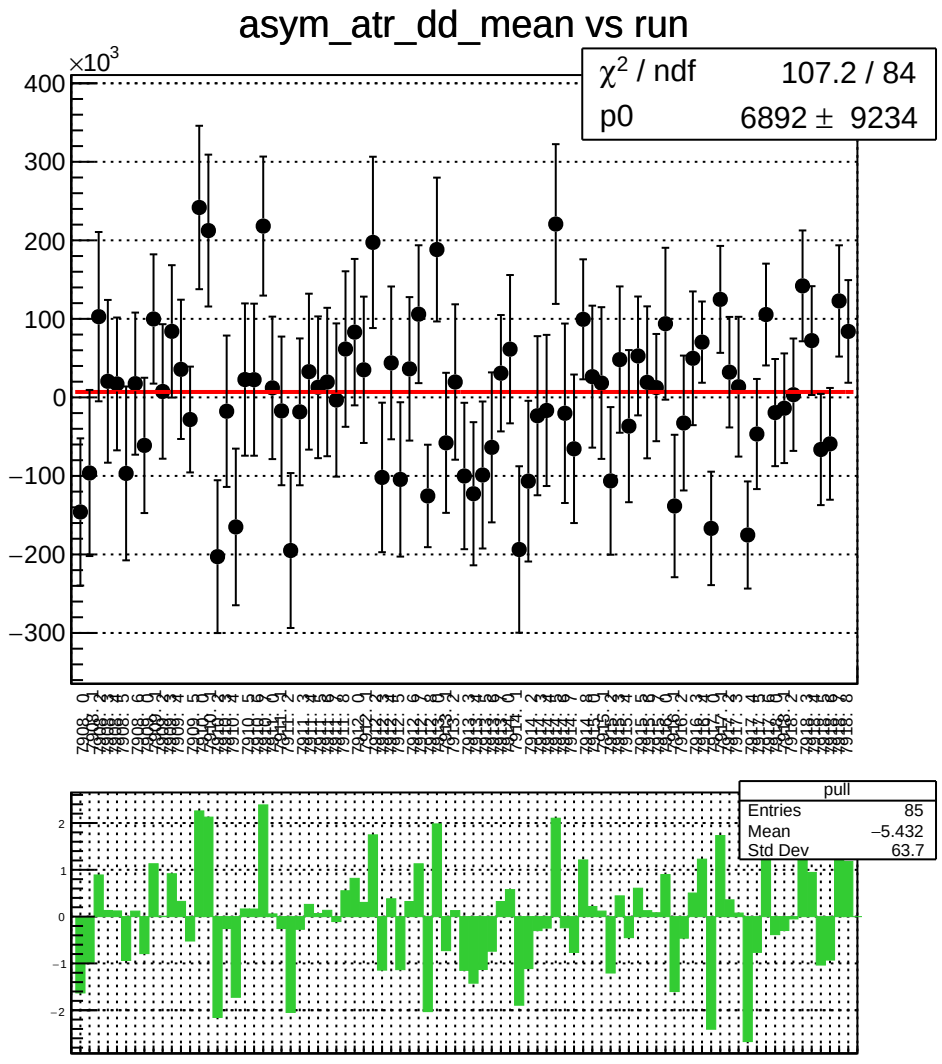

pull1D
Entries 85
Mean −0.01024
Std Dev 1.127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

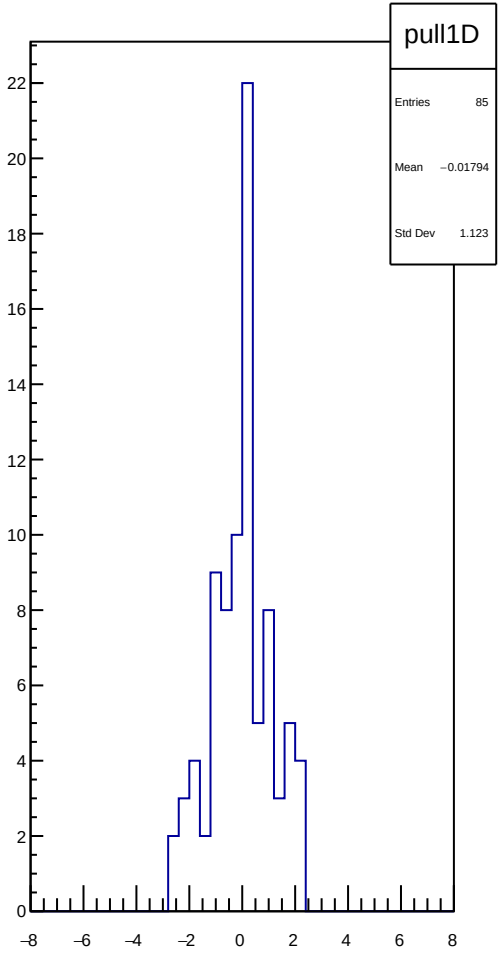

reg_asym_atr_dd_rms vs run
χ² / ndf 2.398e+04 / 84
p0 2007 ± 1.581
6000
5500
5000
4500
4000
3500
3000
2500
2000

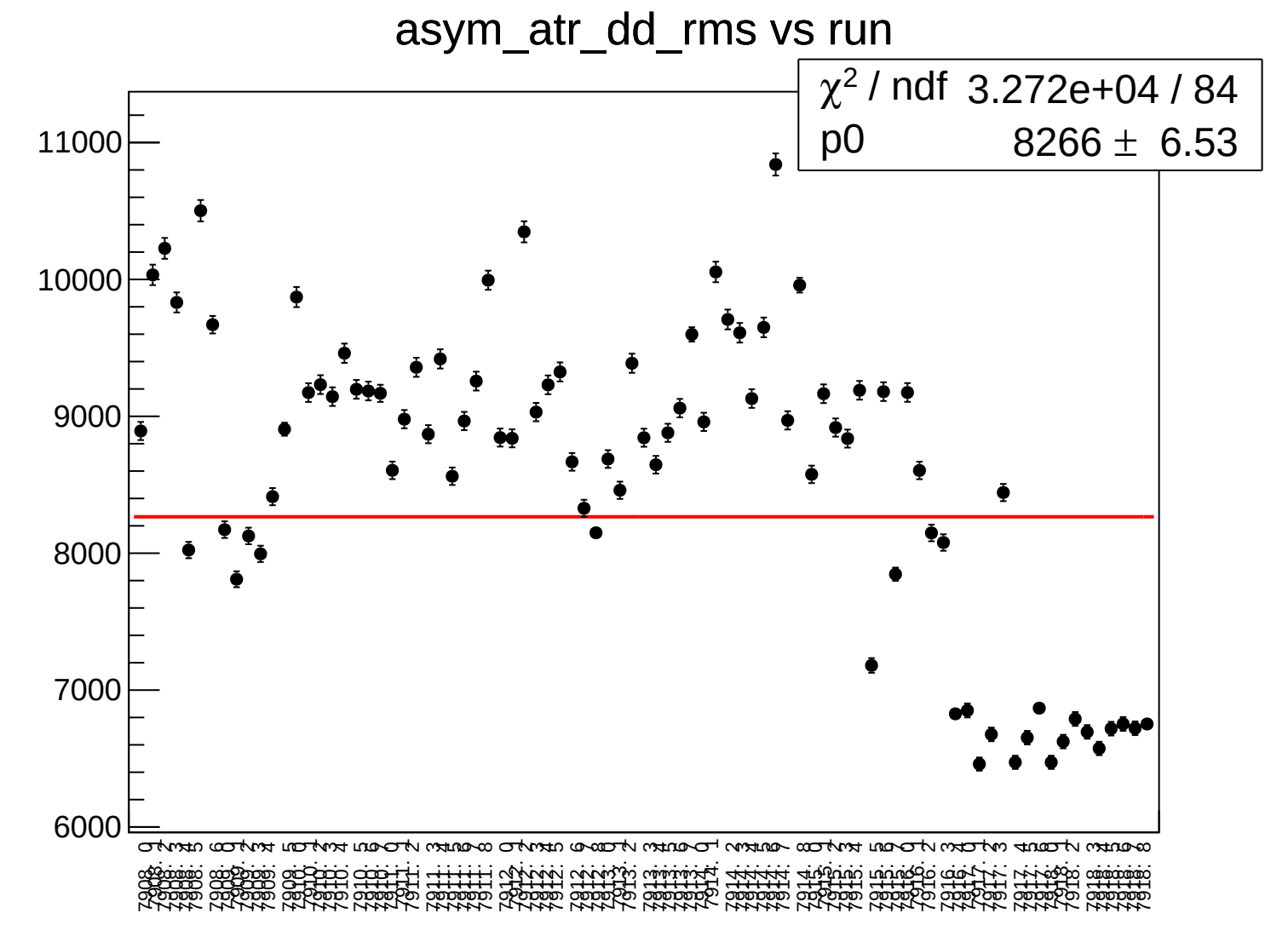

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 106.1 / 84
p0 −7965 ± 8884
pull
Entries 85
Mean 19.47
Std Dev 57.5

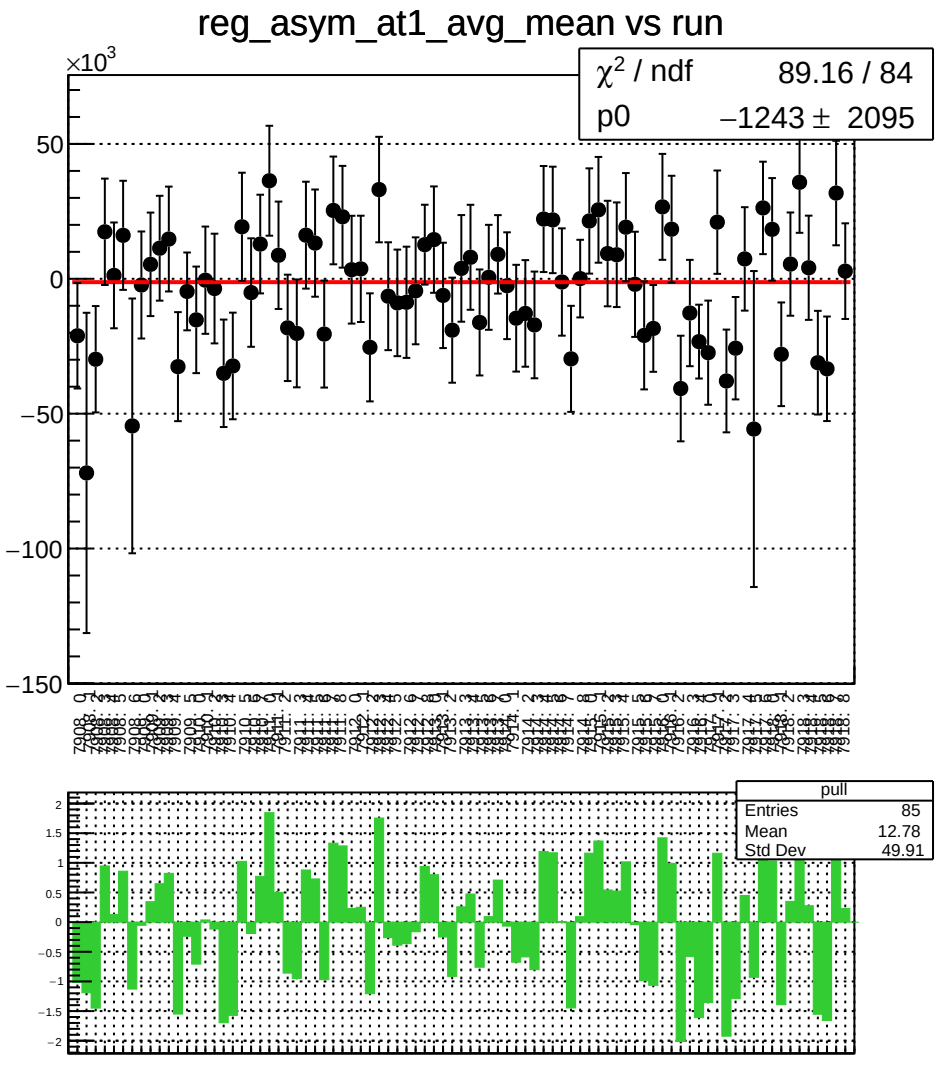

pull1D
Entries 85
Mean 0.01294
Std Dev 1.117

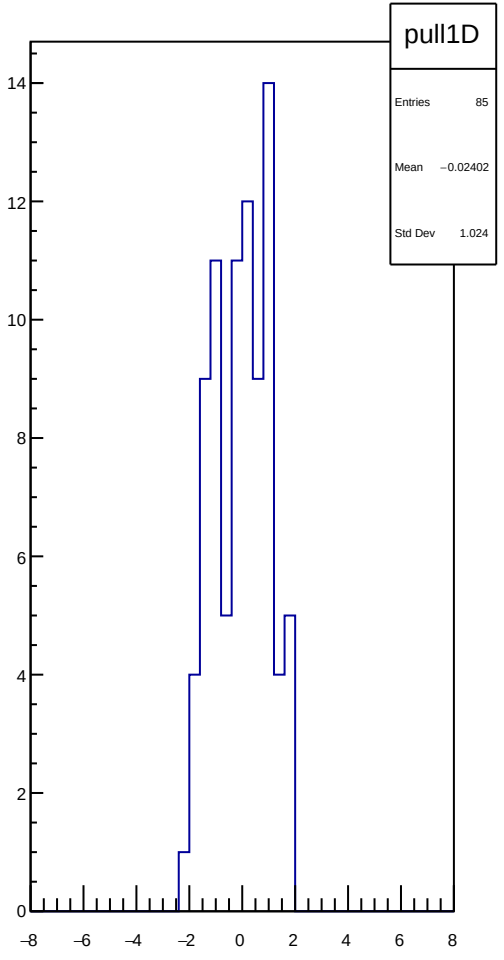

asym_atr_dd_correction_rms vs run
χ^2 / ndf 3.713e+04 / 84
p0 7942 ± 6.282
11000
10000
9000
8000
7000
6000

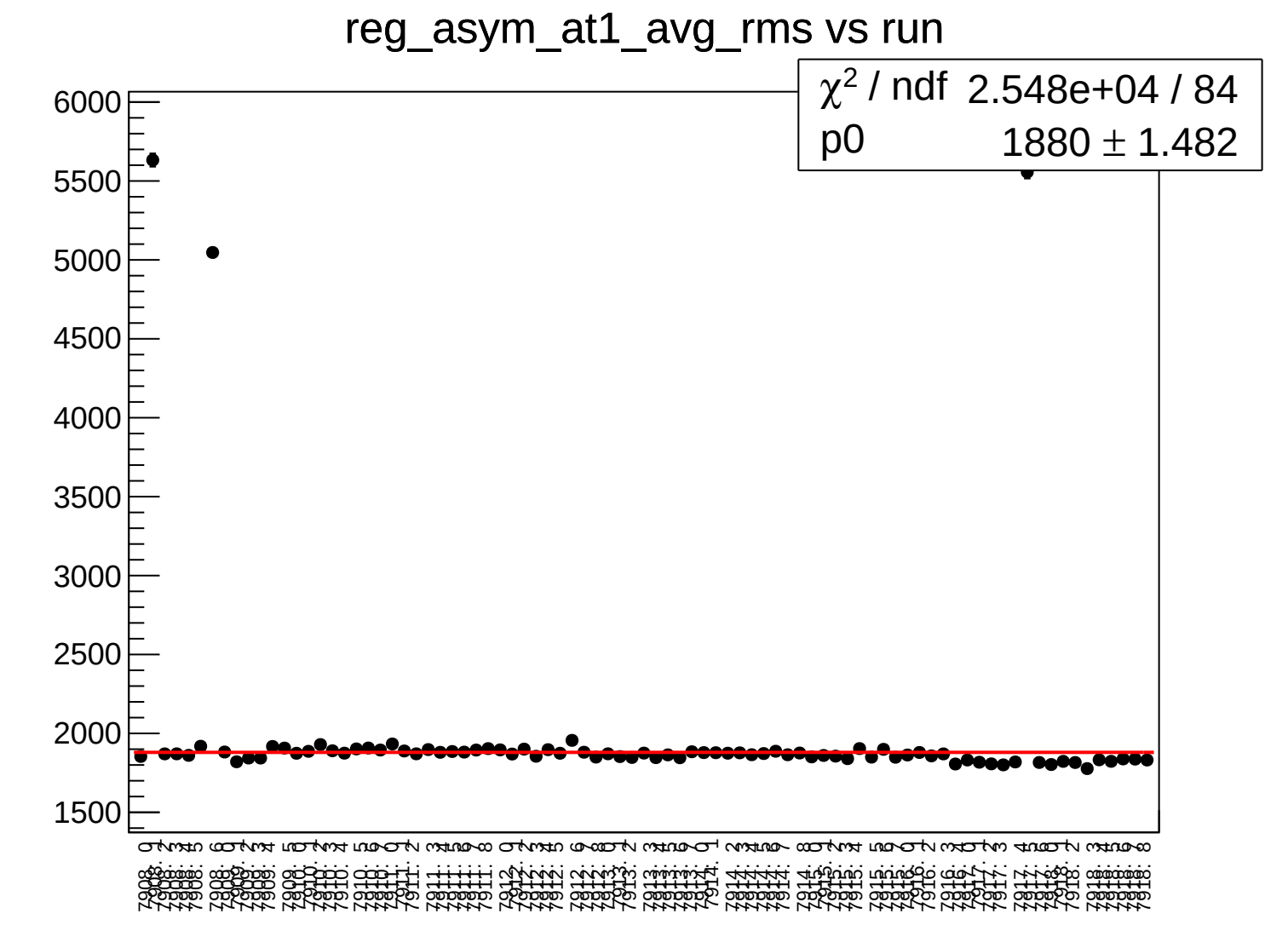

asym_atr_dd_mean vs run
χ² / ndf 107.2 / 84
p0 6892 ± 9234
×10³
pull
Entries 85
Mean −5.432
Std Dev 63.7

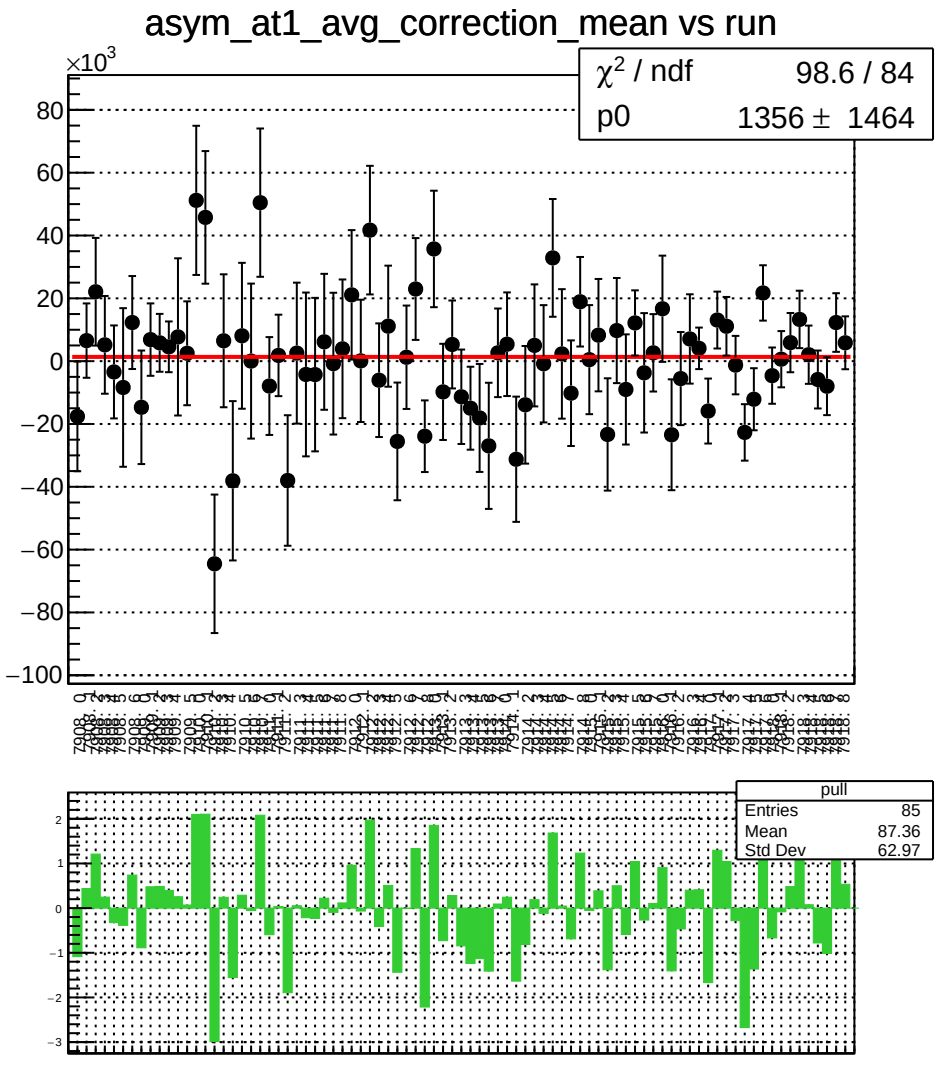

pull1D
Entries 85
Mean −0.01794
Std Dev 1.123

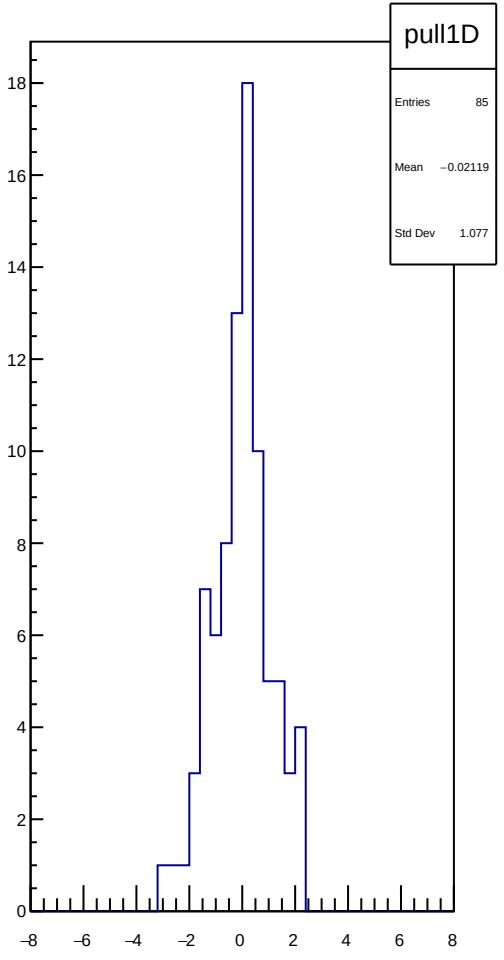

asym_atr_dd_rms vs run
χ^2 / ndf 3.272e+04 / 84
p0 8266 ± 6.53
11000
10000
9000
8000
7000
6000

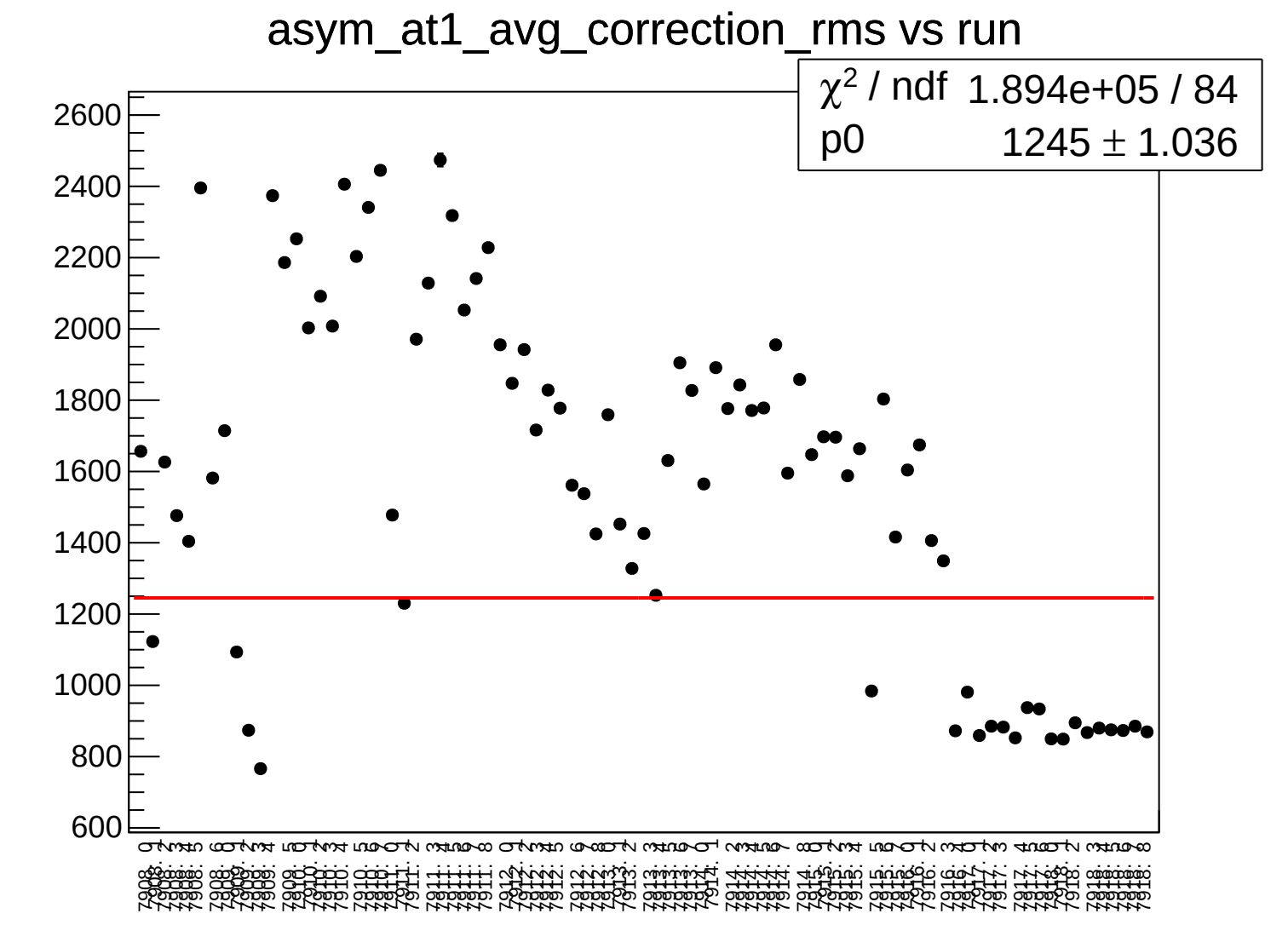

reg_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 89.16 / 84
p0 −1243 ± 2095
50
0
−50
−100
−150
pull
Entries 85
Mean 12.78
Std Dev 49.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

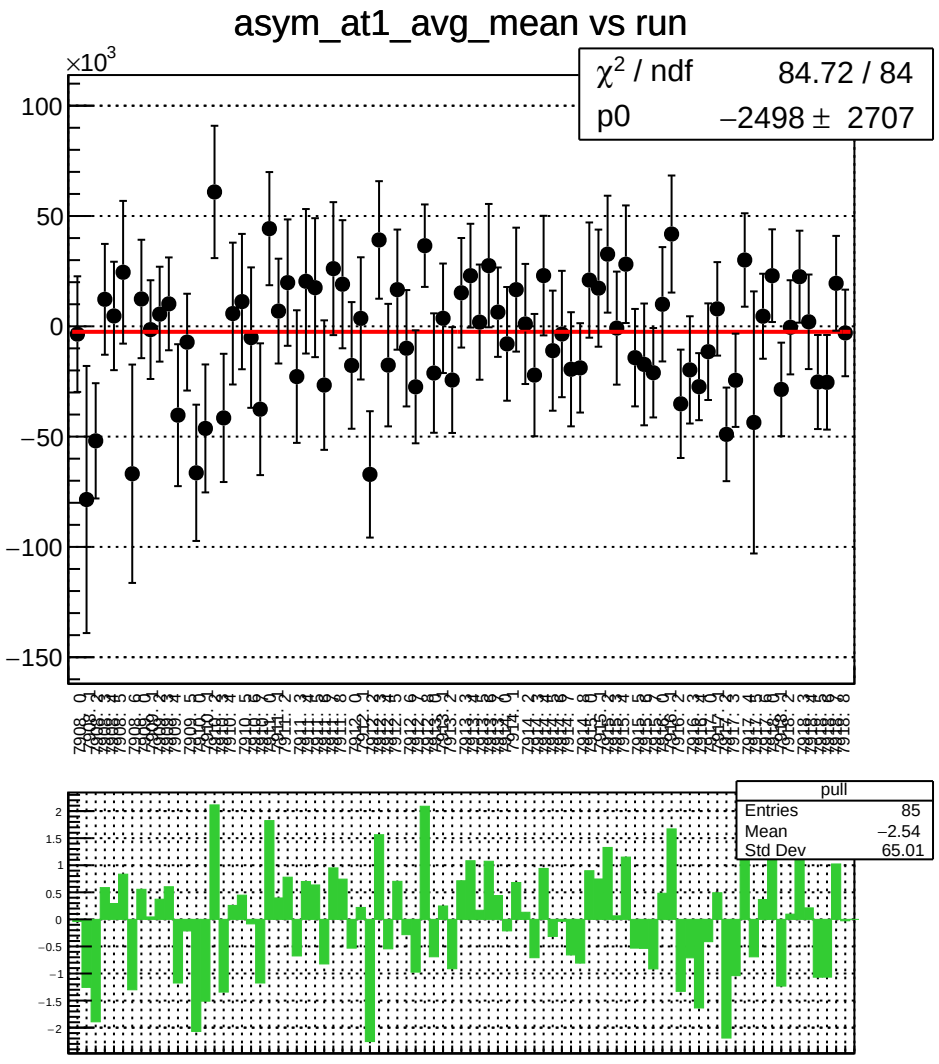

pull1D
Entries 85
Mean −0.02402
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

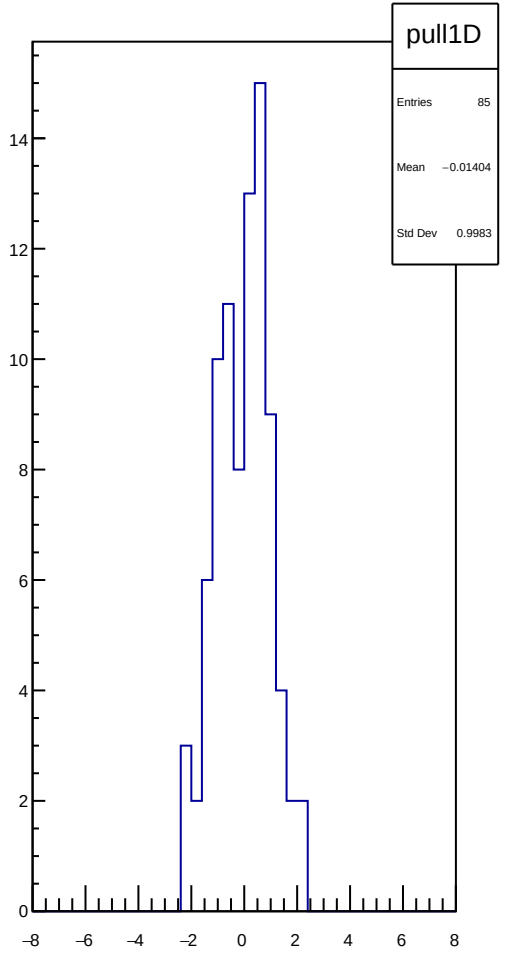

reg_asym_at1_avg_rms vs run
χ^2 / ndf 2.548e+04 / 84
p0 1880 ± 1.482
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

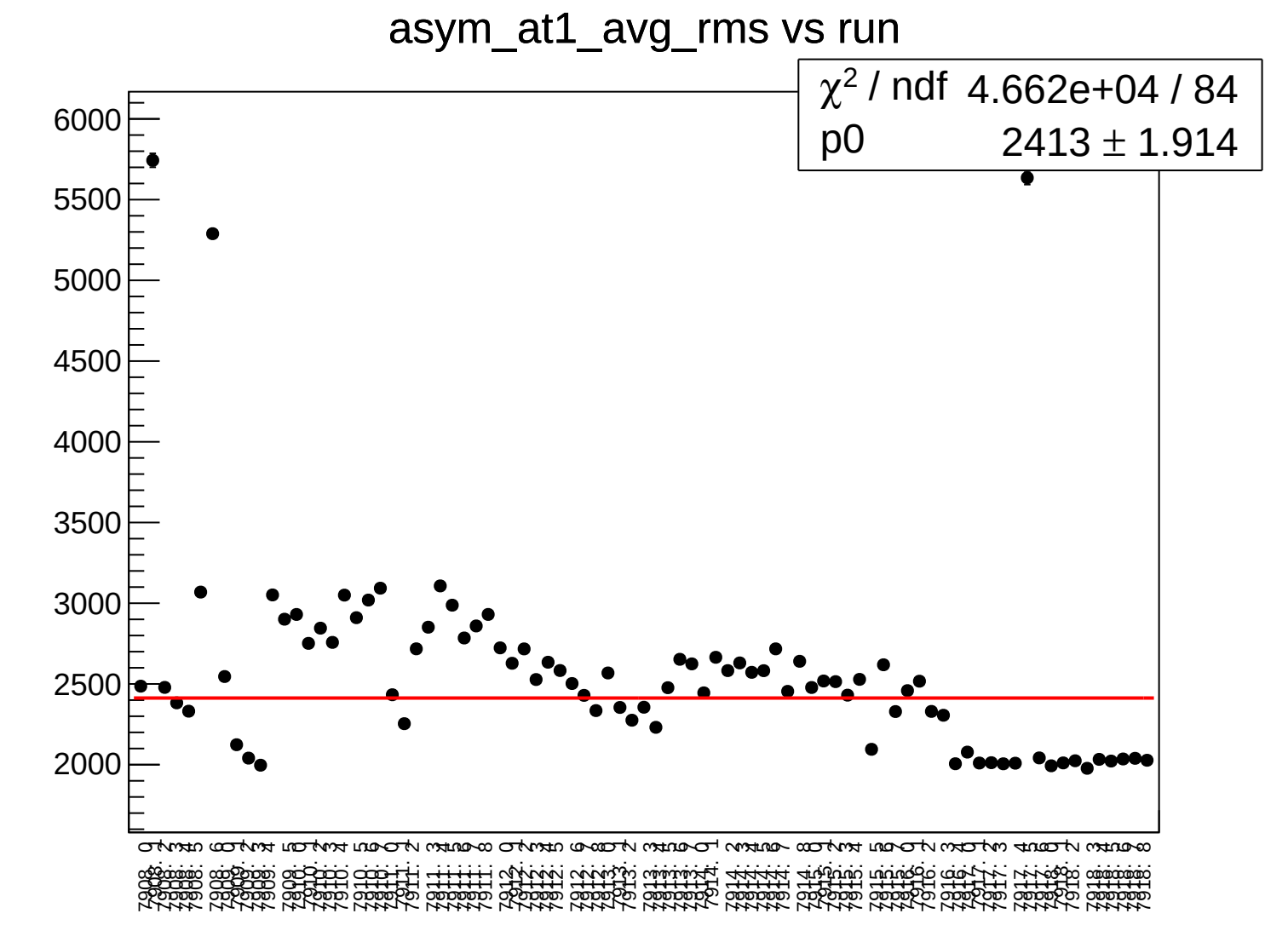

asym_at1_avg_correction_mean vs run
×10^3
χ² / ndf 98.6 / 84
p0 1356 ± 1464
pull
Entries 85
Mean 87.36
Std Dev 62.97

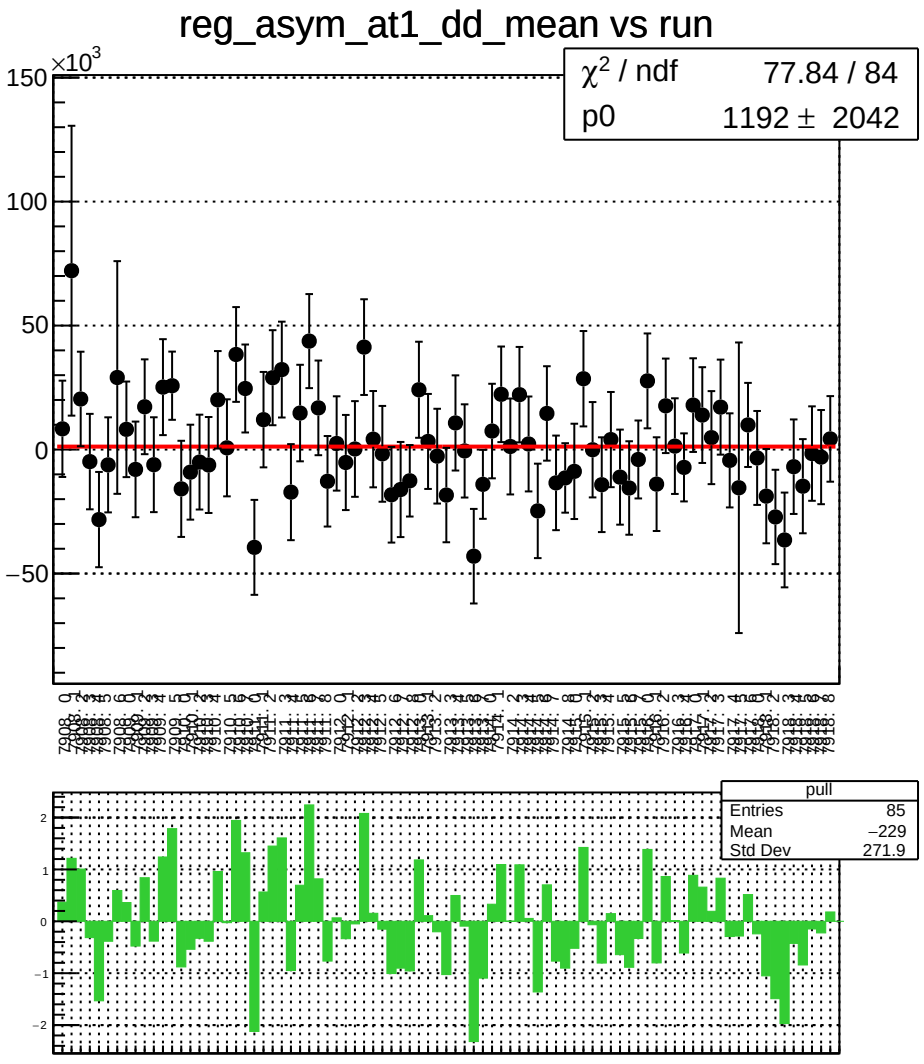

pull1D
Entries 85
Mean −0.02119
Std Dev 1.077

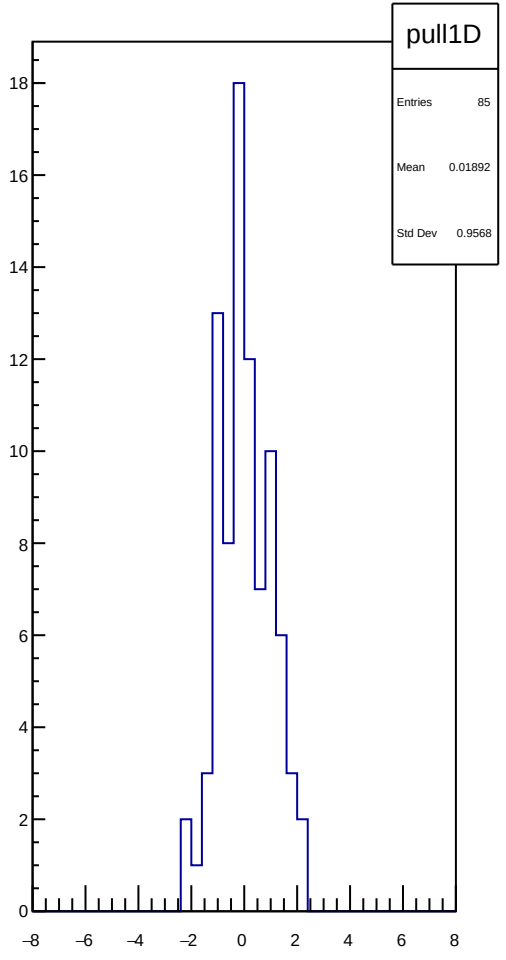

asym_at1_avg_correction_rms vs run
χ² / ndf 1.894e+05 / 84
p0 1245 ± 1.036
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600

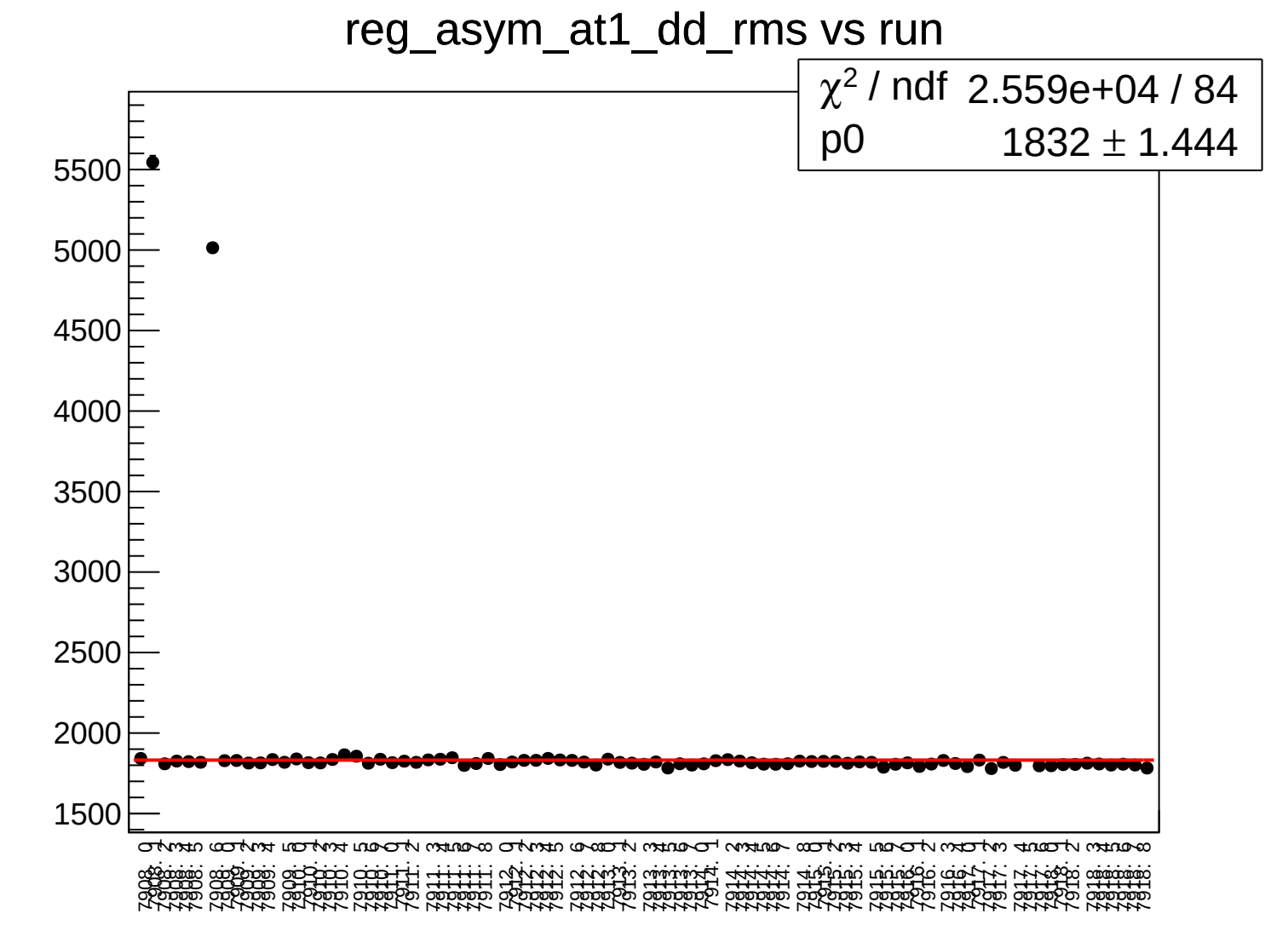

asym_at1_avg_mean vs run
×10^3
χ² / ndf 84.72 / 84
p0 −2498 ± 2707
100
50
0
−50
−100
−150
pull
Entries 85
Mean −2.54
Std Dev 65.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

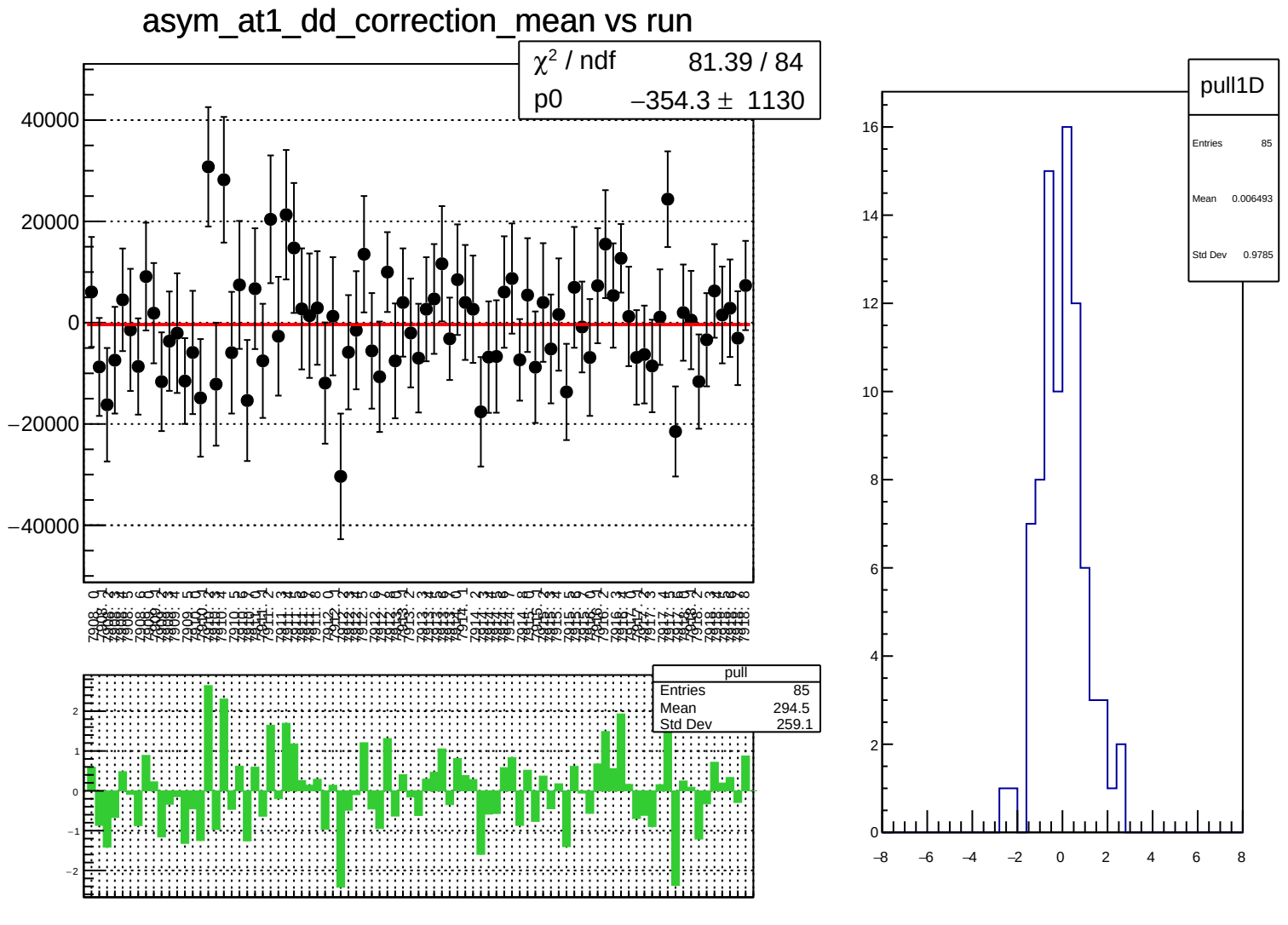

pull1D
Entries 85
Mean −0.01404
Std Dev 0.9983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

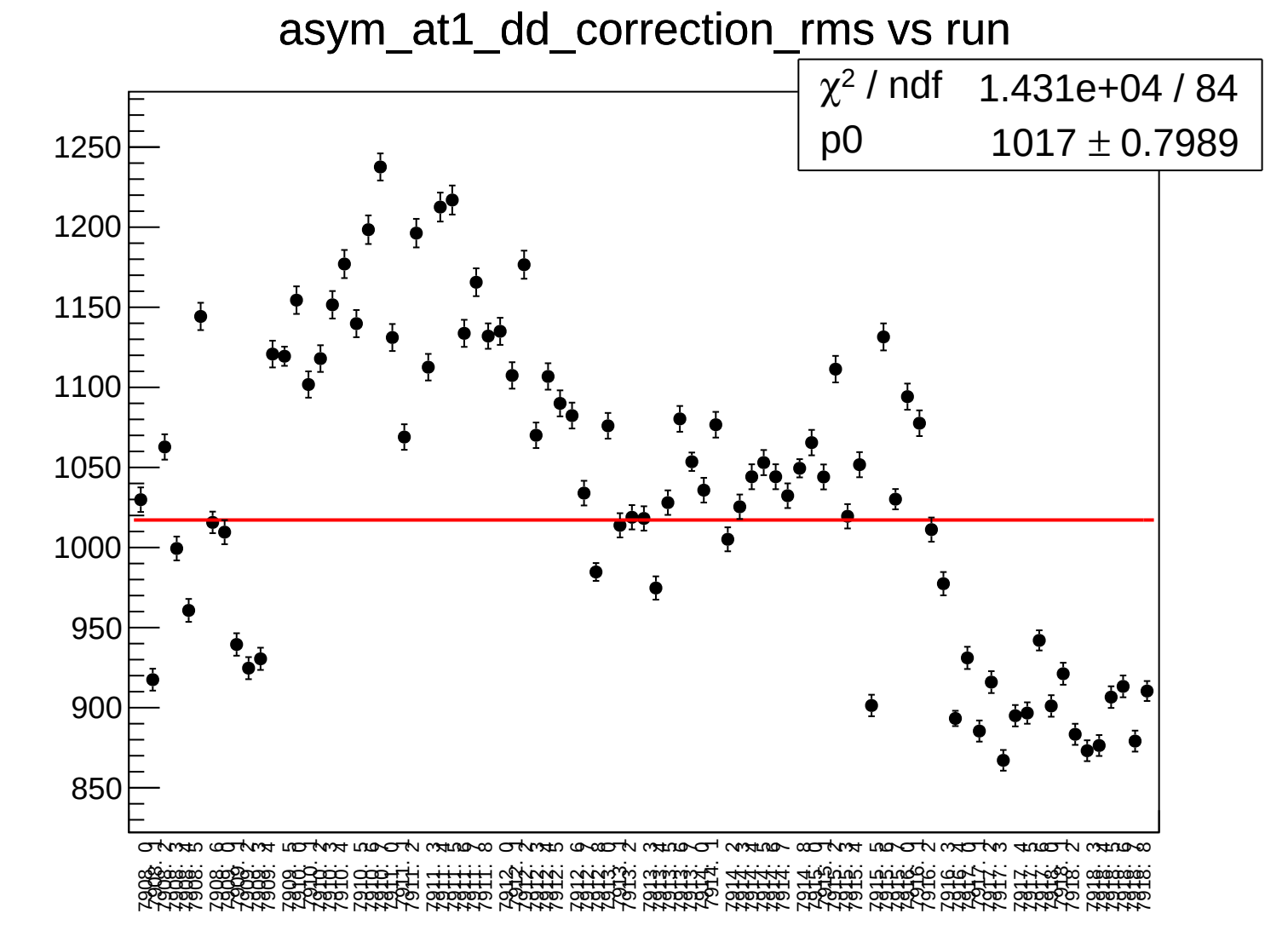

asym_at1_avg_rms vs run
χ^2 / ndf 4.662e+04 / 84
p0 2413 ± 1.914
6000
5500
5000
4500
4000
3500
3000
2500
2000

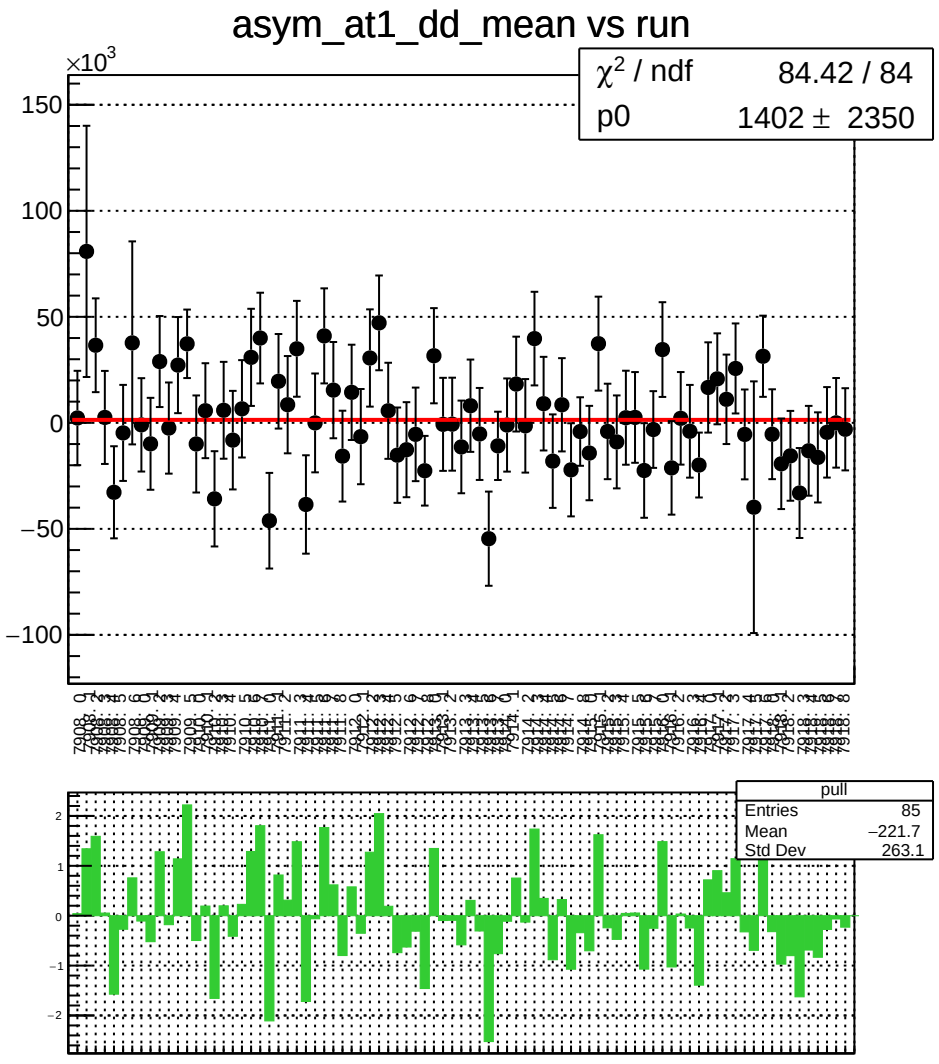

reg_asym_at1_dd_mean vs run
χ² / ndf 77.84 / 84
p0 1192 ± 2042
×10³
150
100
50
0
−50
pull
Entries 85
Mean −229
Std Dev 271.9
2
1
0
−1
−2

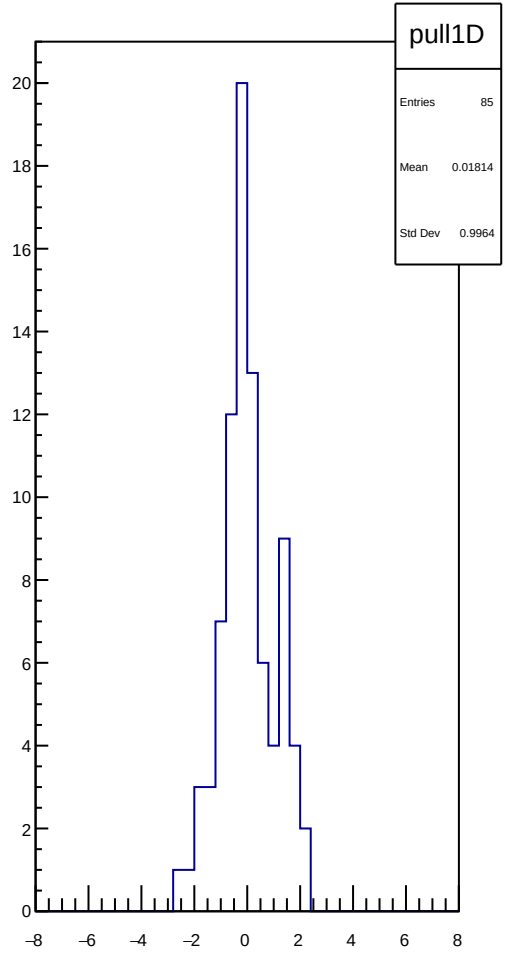

pull1D
Entries 85
Mean 0.01892
Std Dev 0.9568
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

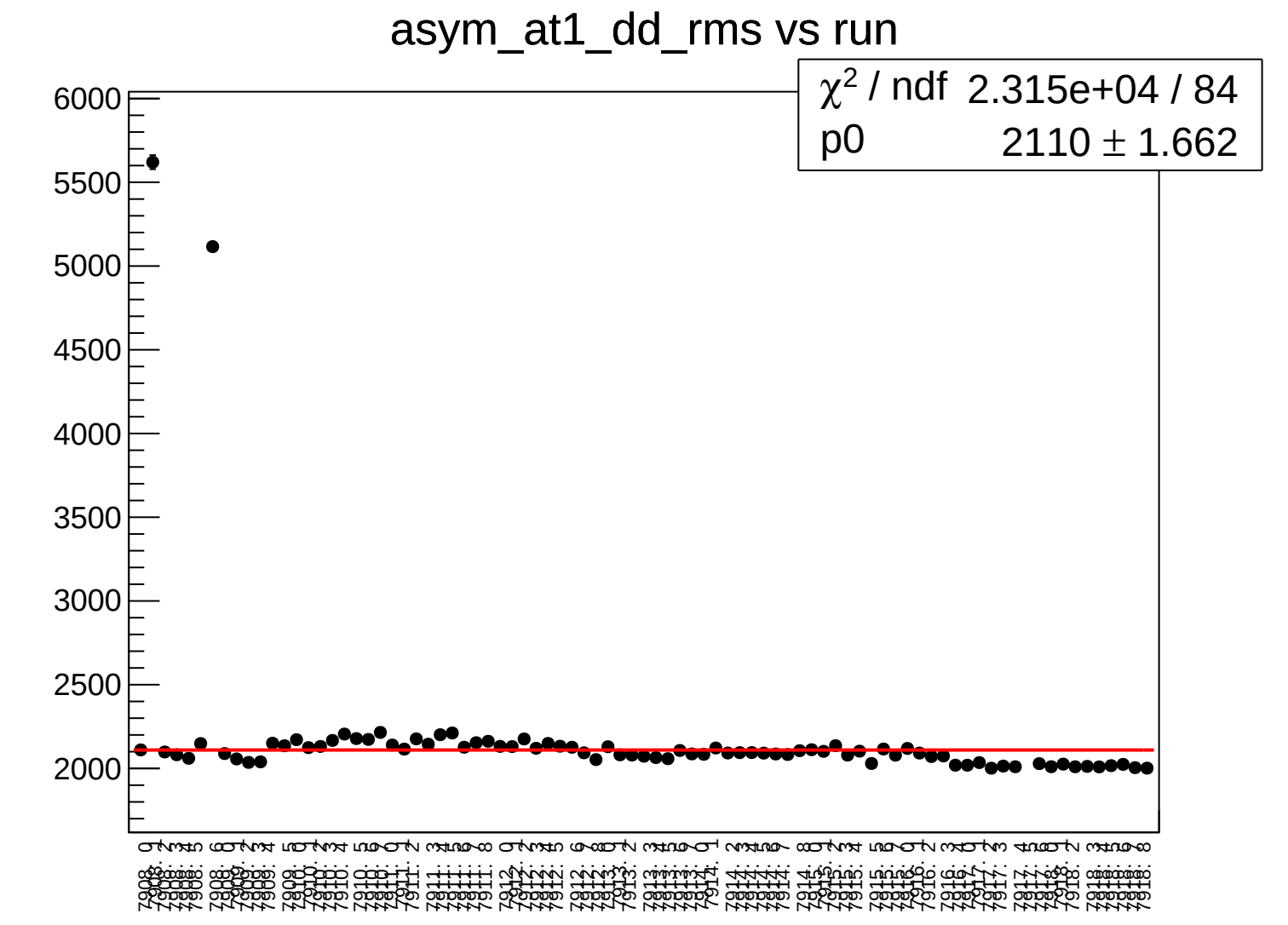

reg_asym_at1_dd_rms vs run
χ^2 / ndf 2.559e+04 / 84
p0 1832 ± 1.444
5500
5000
4500
4000
3500
3000
2500
2000
1500

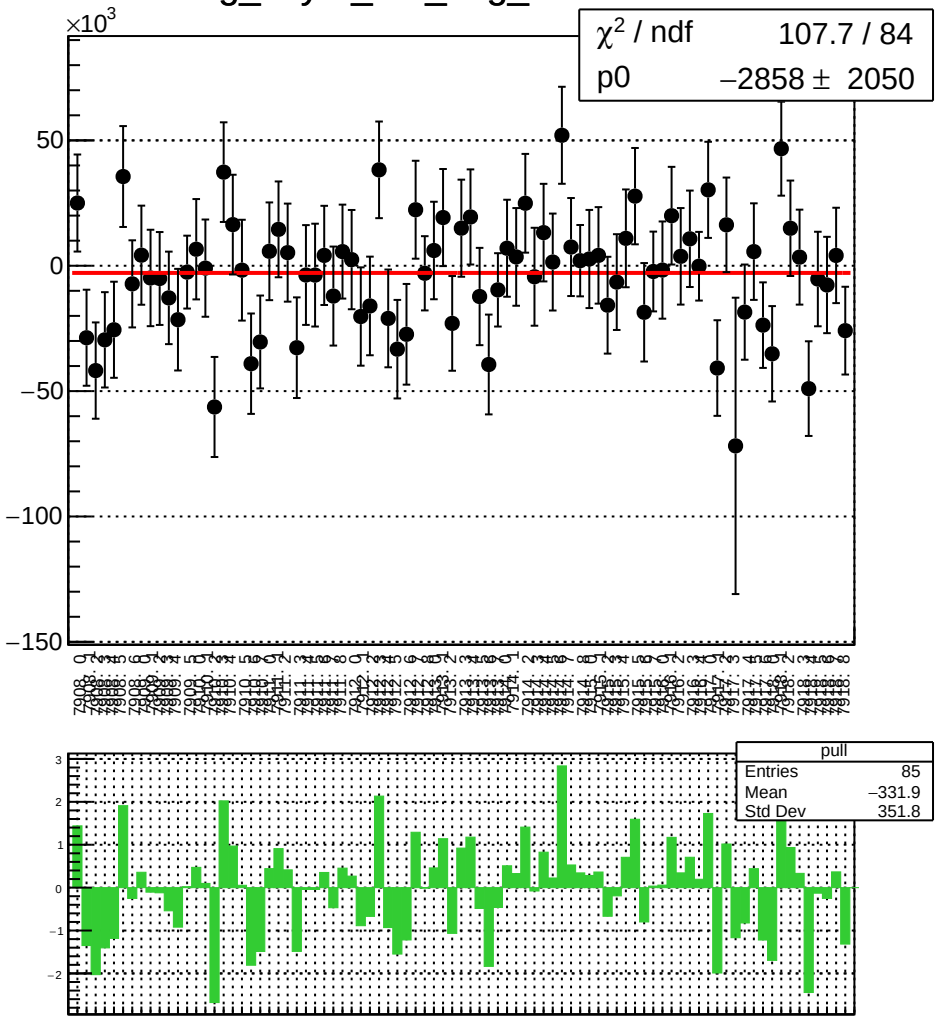

asym_at1_dd_correction_mean vs run
χ² / ndf 81.39 / 84
p0 −354.3 ± 1130
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 294.5
Std Dev 259.1
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.006493
Std Dev 0.9785
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

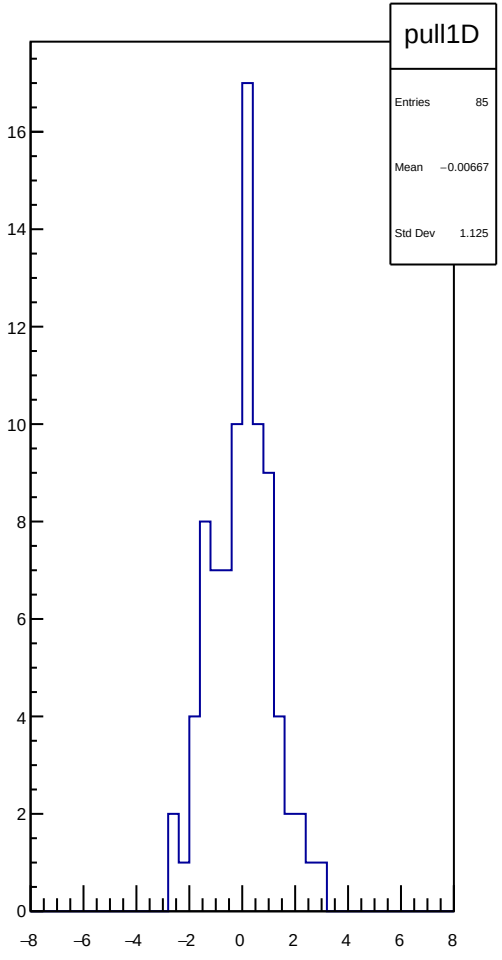

asym_at1_dd_correction_rms vs run
χ² / ndf 1.431e+04 / 84
p0 1017 ± 0.7989
1250
1200
1150
1100
1050
1000
950
900
850

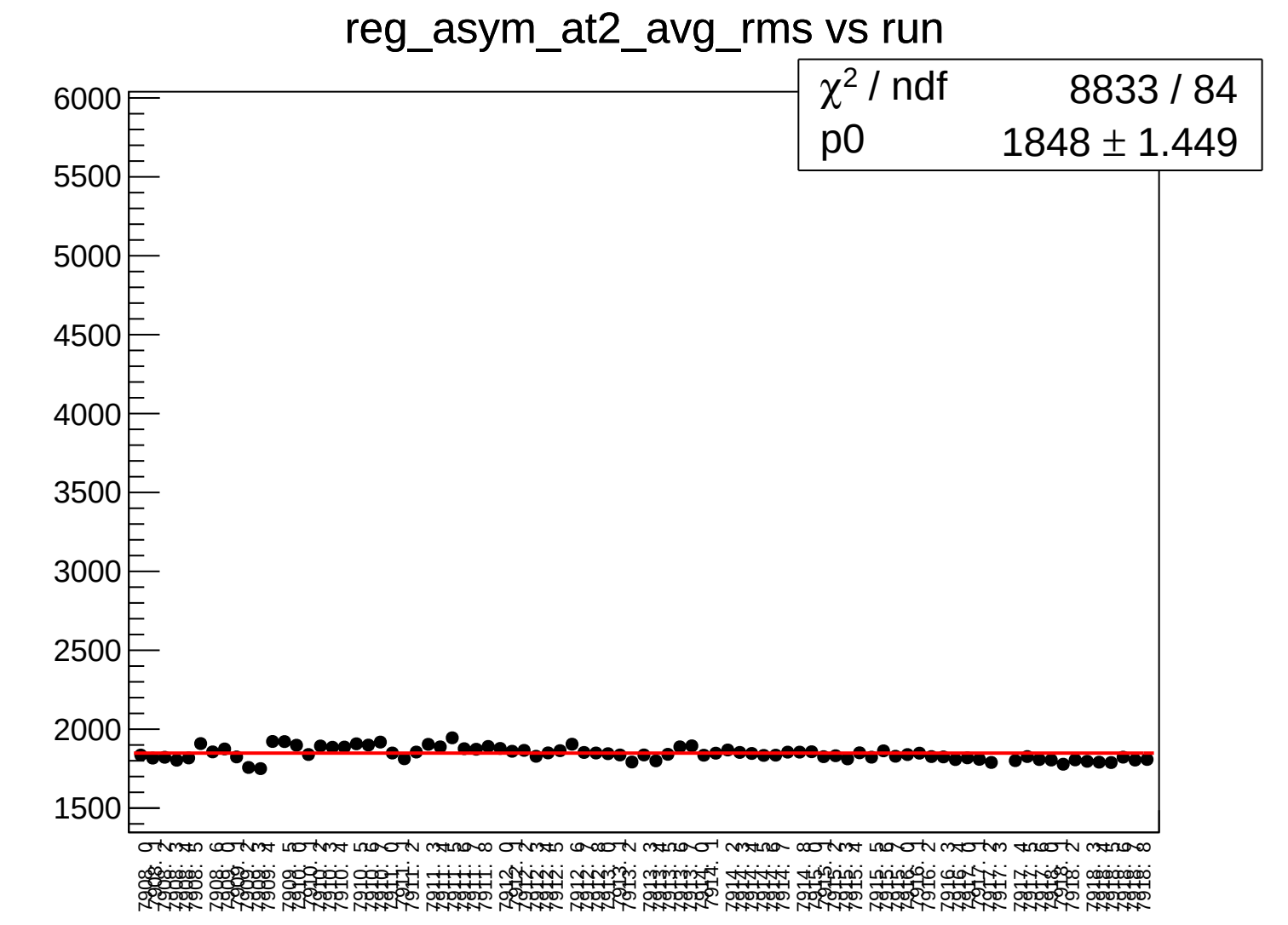

asym_at1_dd_mean vs run
×10^3
χ² / ndf 84.42 / 84
p0 1402 ± 2350
150
100
50
0
−50
−100
pull
Entries 85
Mean −221.7
Std Dev 263.1
2
1
0
−1
−2

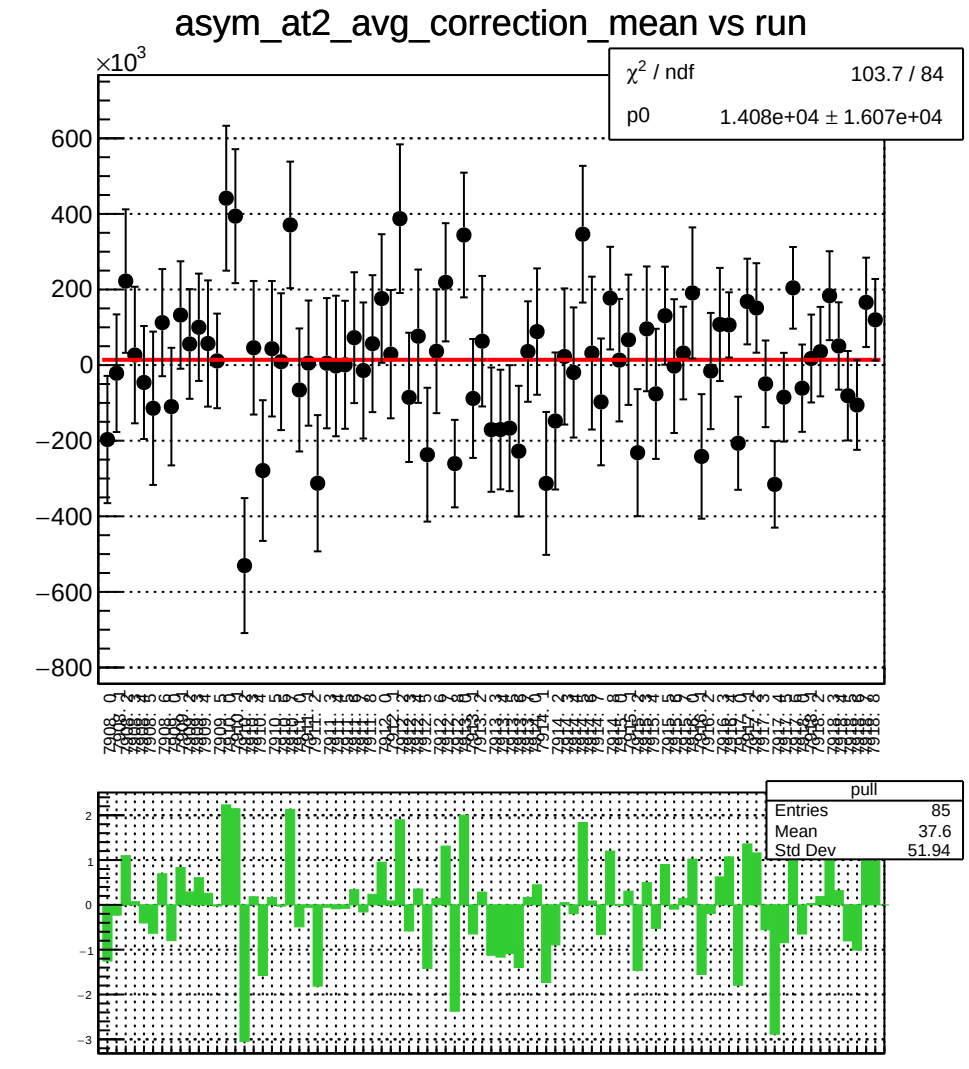

pull1D
Entries 85
Mean 0.01814
Std Dev 0.9964
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

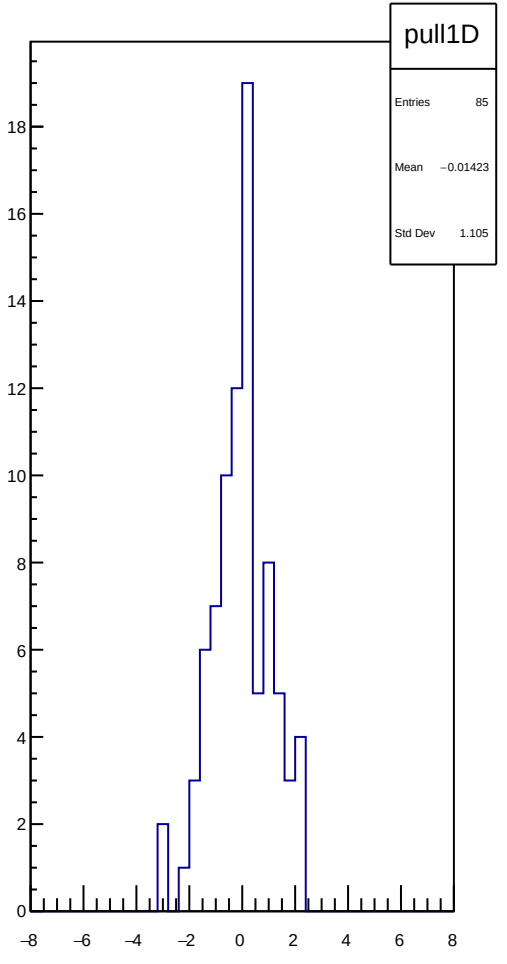

asym_at1_dd_rms vs run
χ^2 / ndf 2.315e+04 / 84
p0 2110 ± 1.662
6000
5500
5000
4500
4000
3500
3000
2500
2000

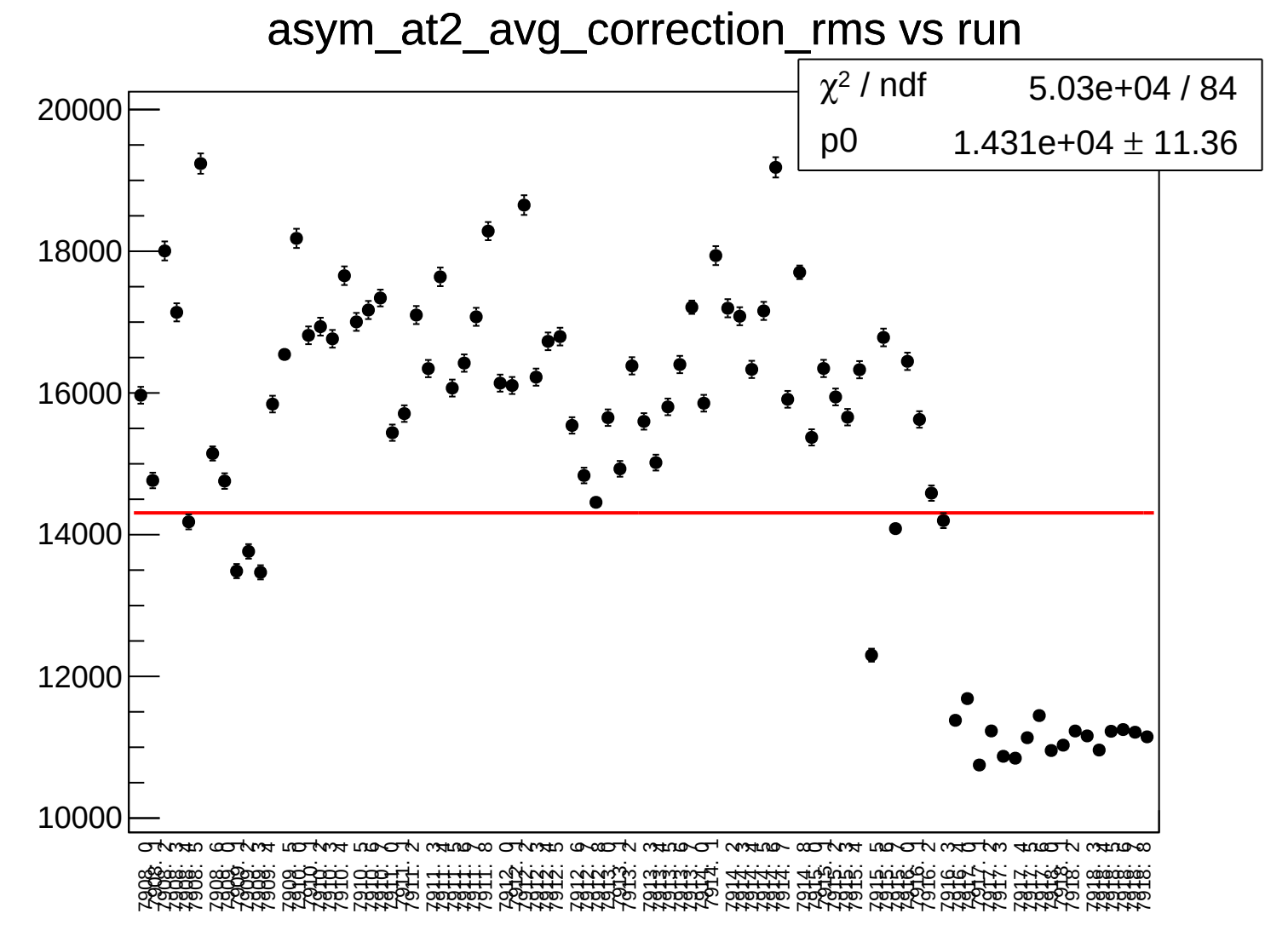

reg_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 107.7 / 84
p0 −2858 ± 2050
50
0
−50
−100
−150
pull
Entries 85
Mean −331.9
Std Dev 351.8
3
2
1
0
−1
−2

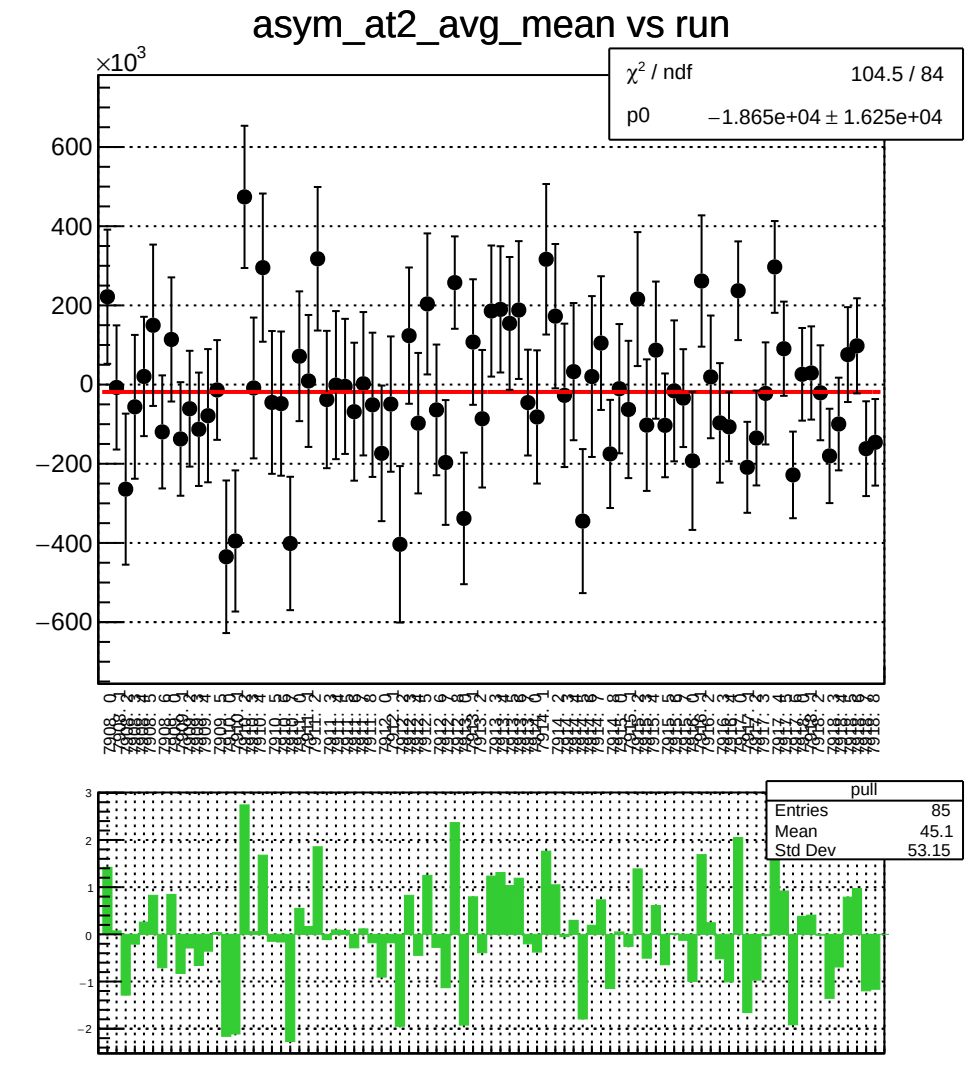

pull1D
Entries 85
Mean −0.00667
Std Dev 1.125
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

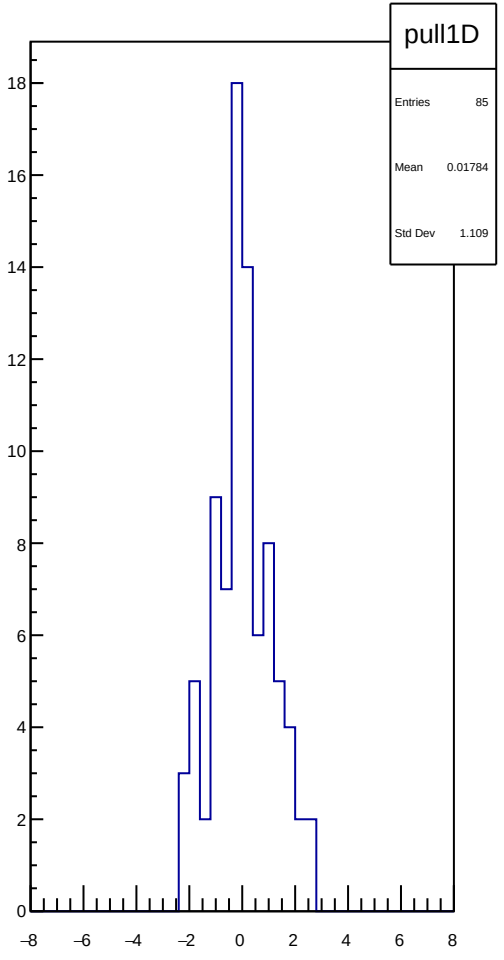

reg_asym_at2_avg_rms vs run
χ^2 / ndf 8833 / 84
p0 1848 ± 1.449
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

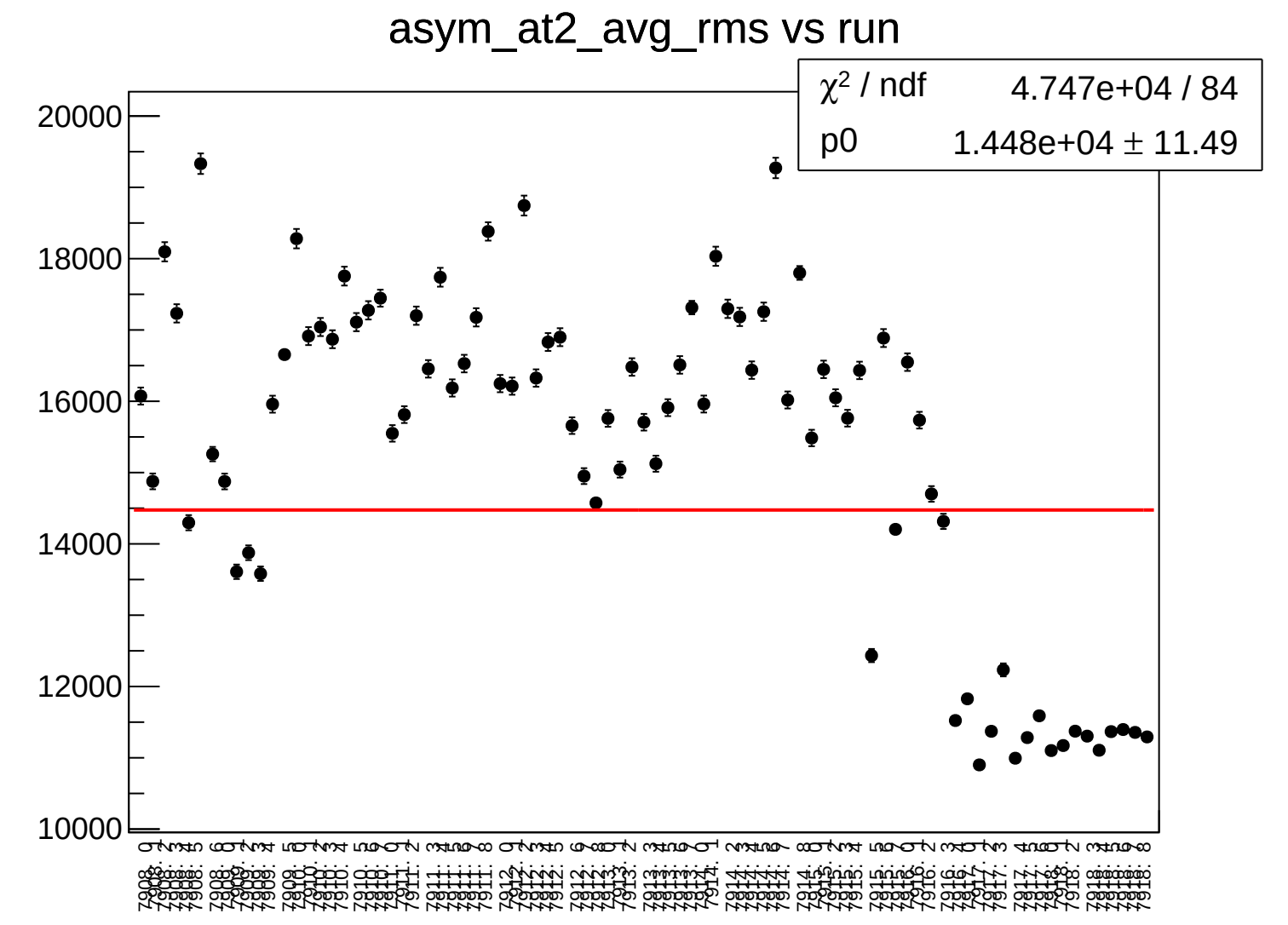

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 103.7 / 84
p0 1.408e+04 ± 1.607e+04
600
400
200
0
−200
−400
−600
−800
pull
Entries 85
Mean 37.6
Std Dev 51.94
2
1
0
−1
−2
−3

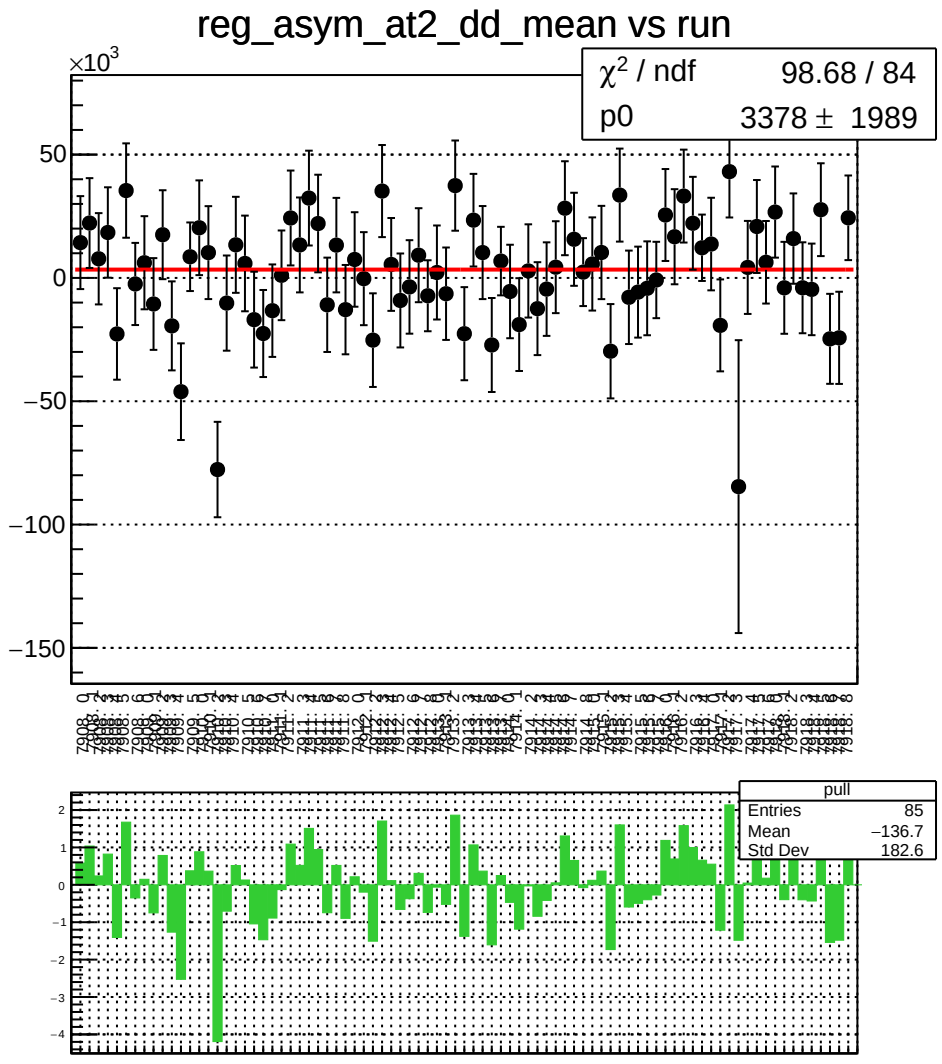

pull1D
Entries 85
Mean −0.01423
Std Dev 1.105
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

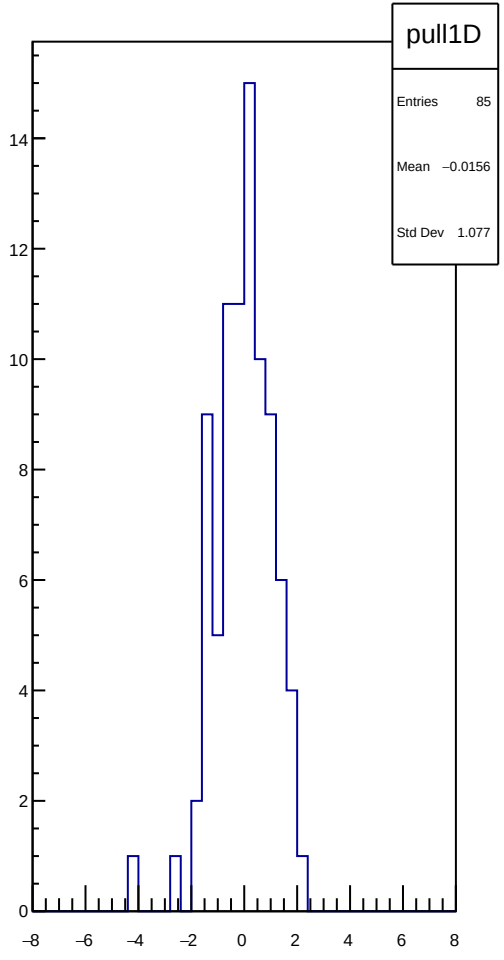

asym_at2_avg_correction_rms vs run
χ² / ndf 5.03e+04 / 84
p0 1.431e+04 ± 11.36
20000
18000
16000
14000
12000
10000

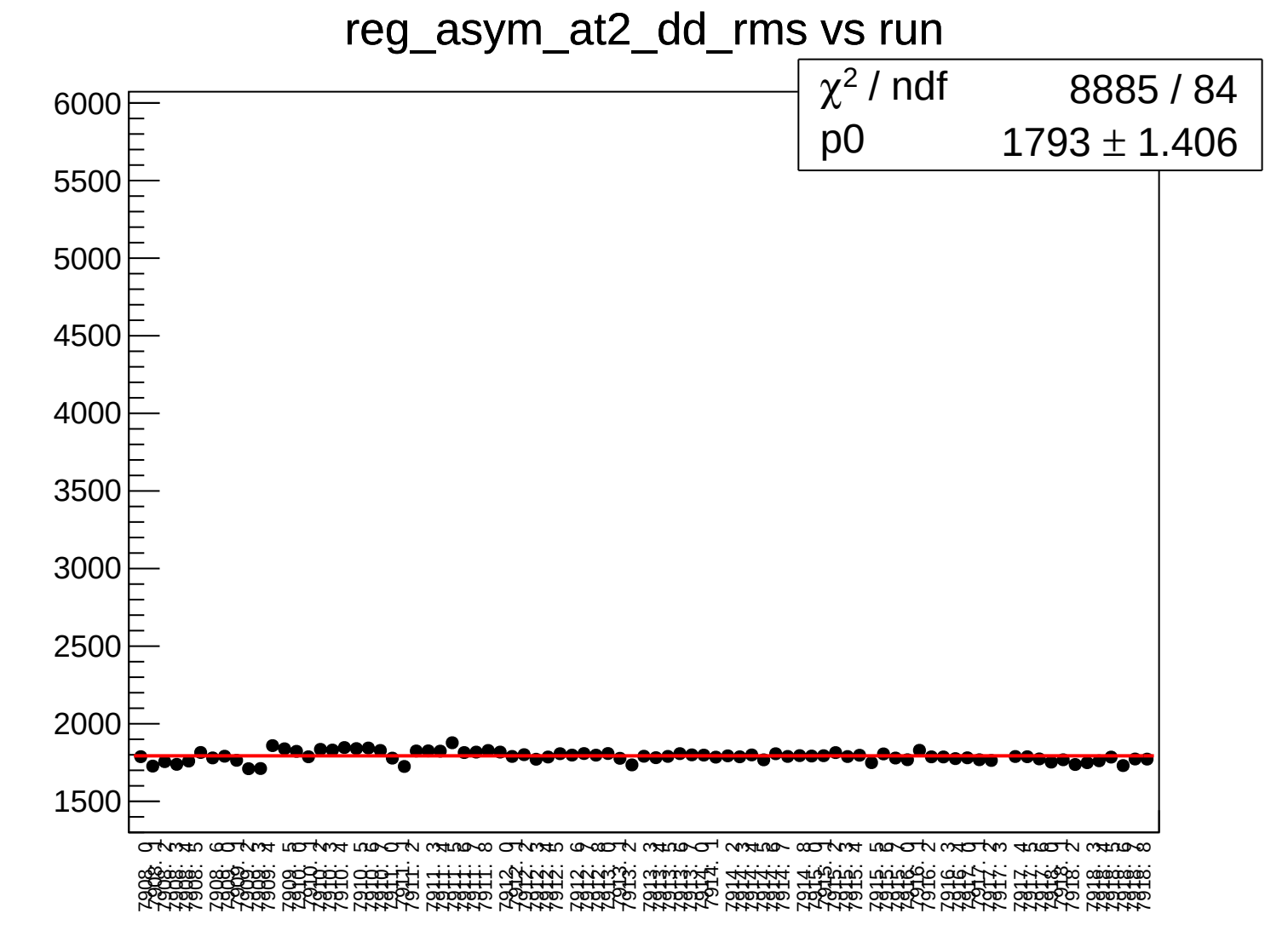

asym_at2_avg_mean vs run
×10^3
χ² / ndf 104.5 / 84
p0 −1.865e+04 ± 1.625e+04
pull
Entries 85
Mean 45.1
Std Dev 53.15

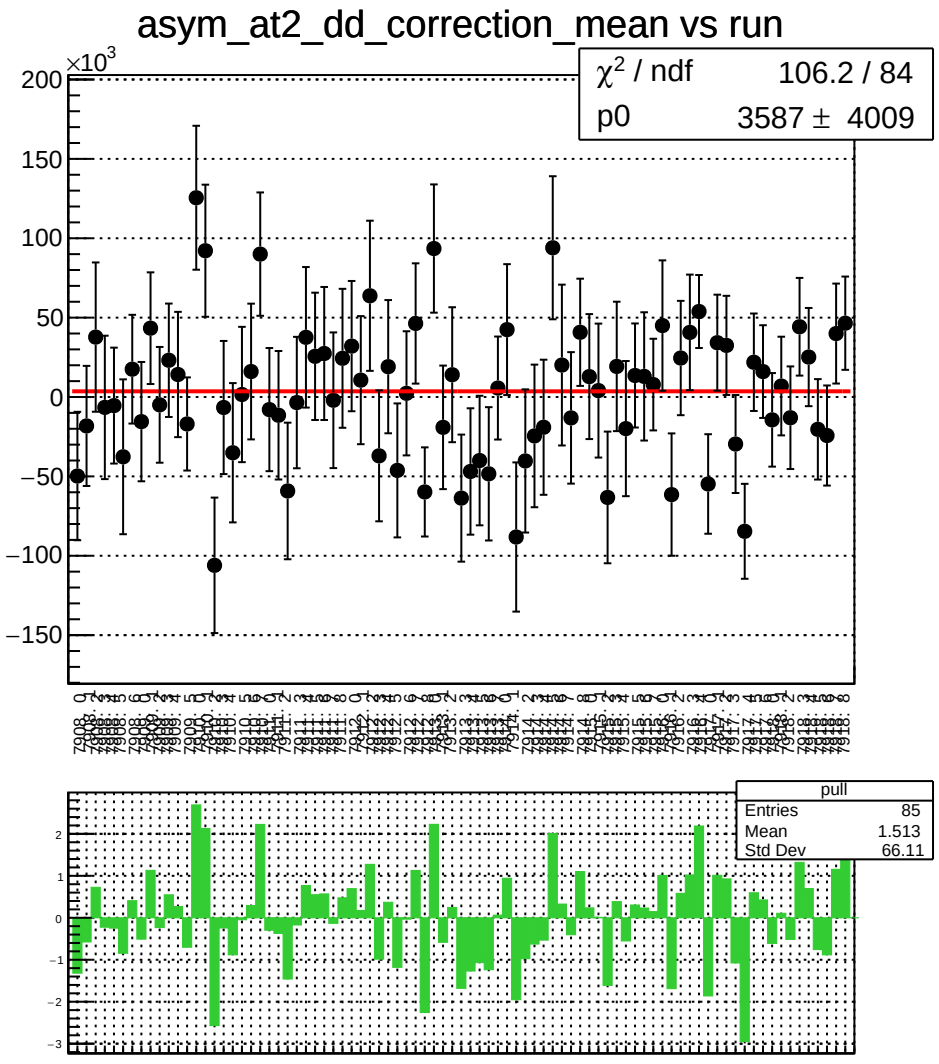

pull1D
Entries 85
Mean 0.01784
Std Dev 1.109

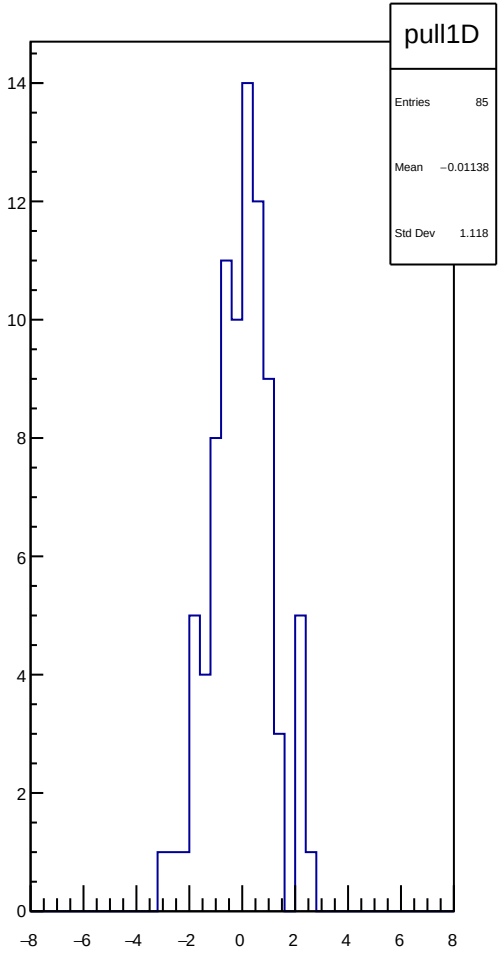

asym_at2_avg_rms vs run
χ² / ndf 4.747e+04 / 84
p0 1.448e+04 ± 11.49
20000
18000
16000
14000
12000
10000

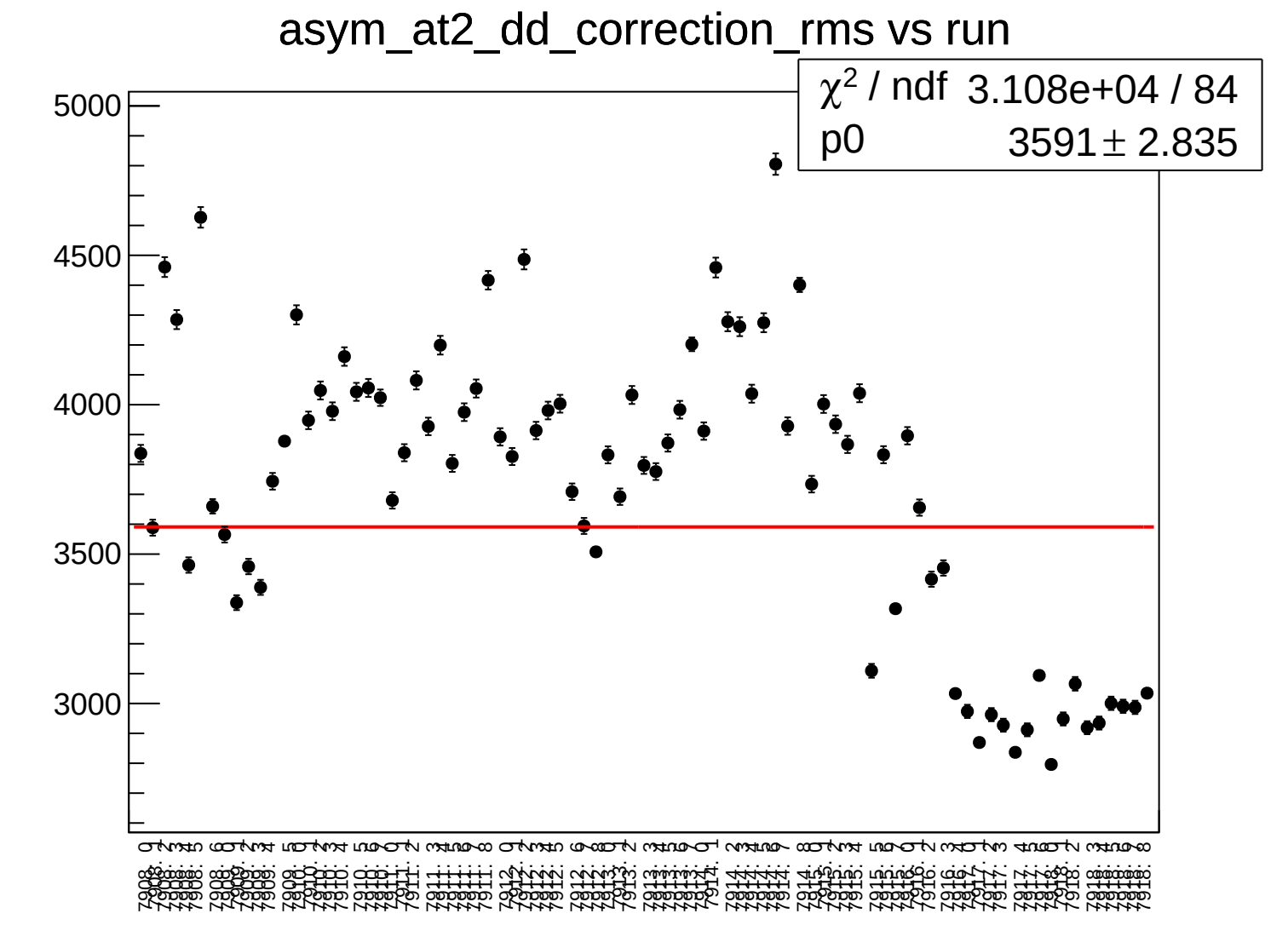

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 98.68 / 84
p0 3378 ± 1989
50
0
−50
−100
−150
pull
Entries 85
Mean −136.7
Std Dev 182.6
2
1
0
−1
−2
−3
−4

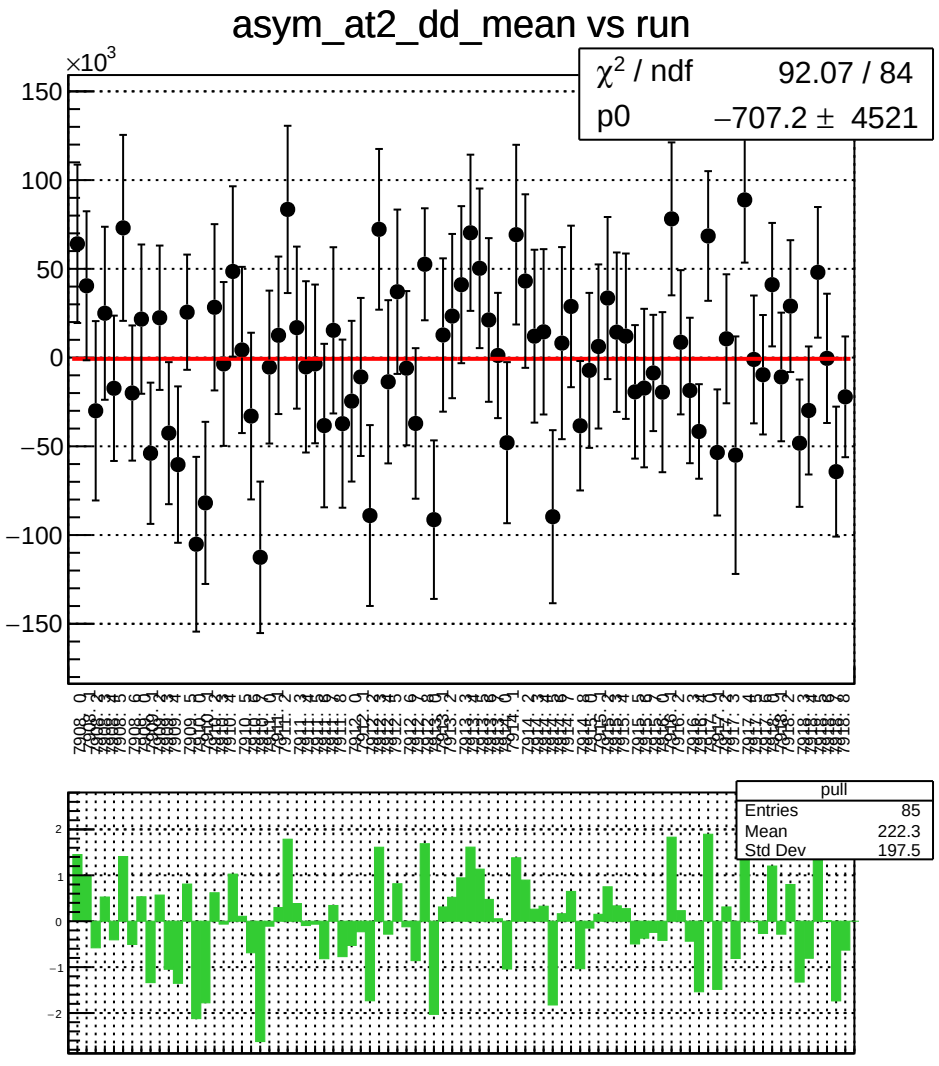

pull1D
Entries 85
Mean −0.0156
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

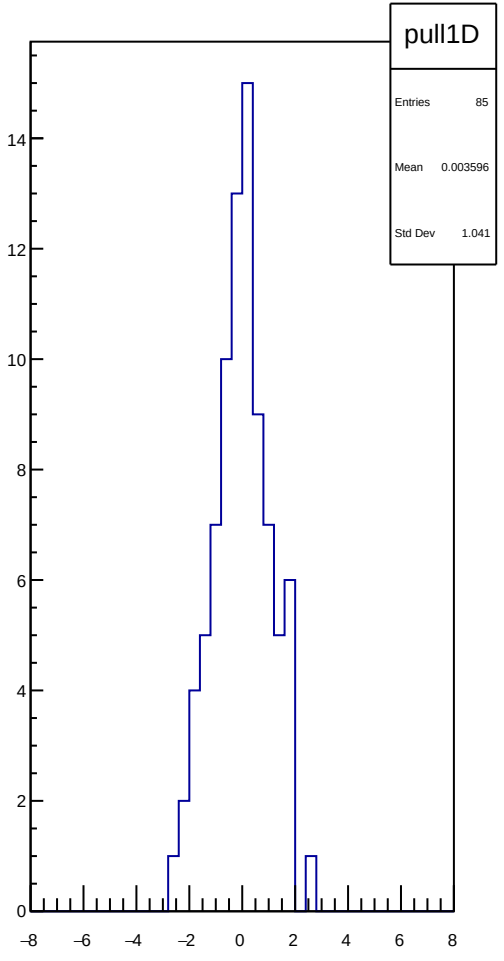

reg_asym_at2_dd_rms vs run
χ² / ndf 8885 / 84
p0 1793 ± 1.406
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

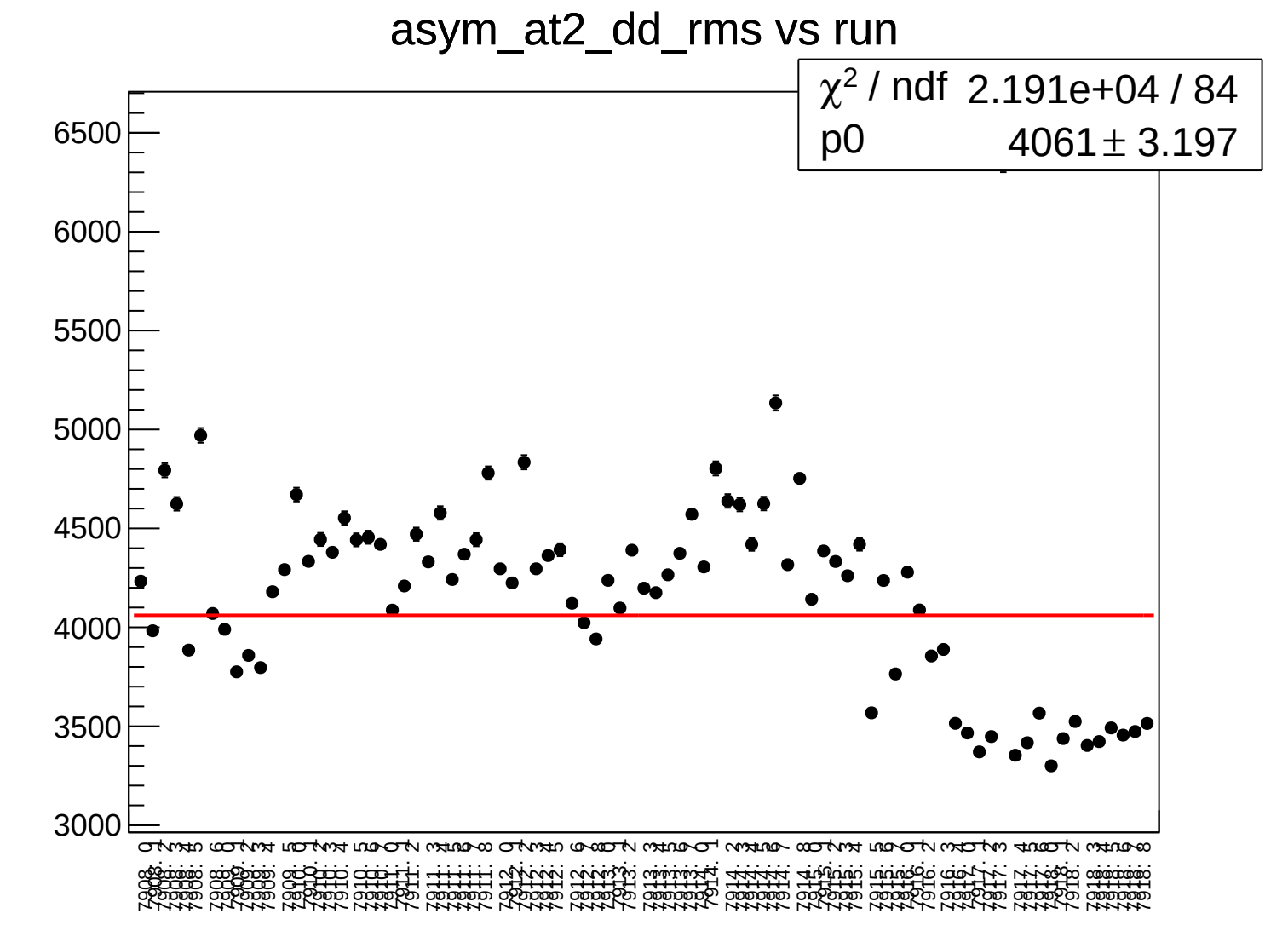

asym_at2_dd_correction_mean vs run
χ² / ndf 106.2 / 84
p0 3587 ± 4009
×10³
pull
Entries 85
Mean 1.513
Std Dev 66.11

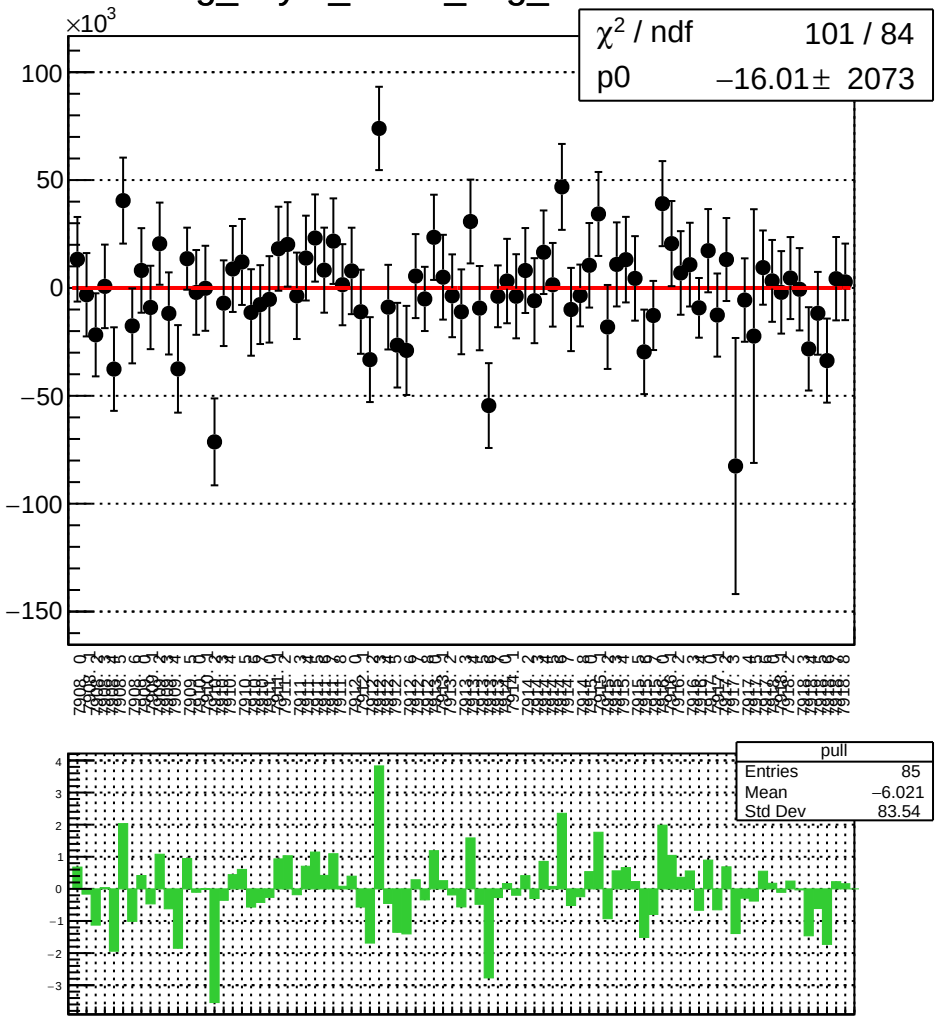

pull1D
Entries 85
Mean −0.01138
Std Dev 1.118

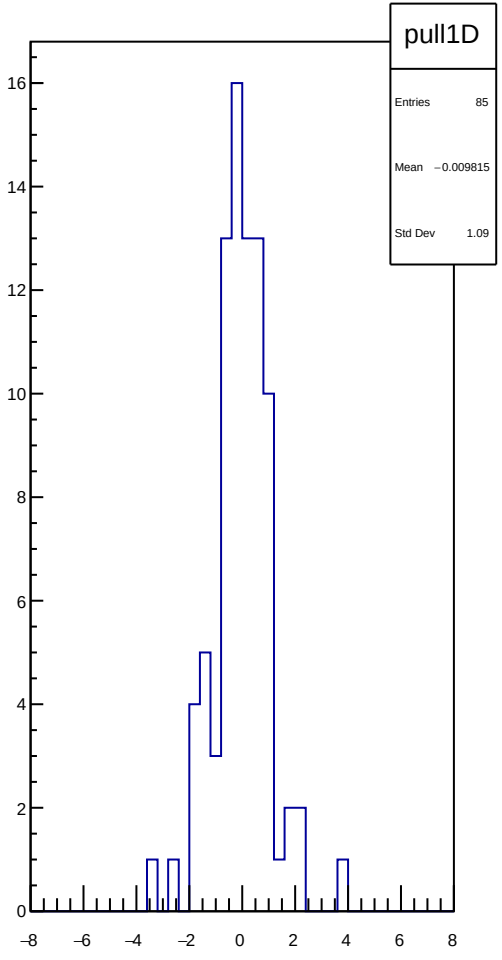

asym_at2_dd_correction_rms vs run
χ² / ndf 3.108e+04 / 84
p0 3591 ± 2.835
5000
4500
4000
3500
3000

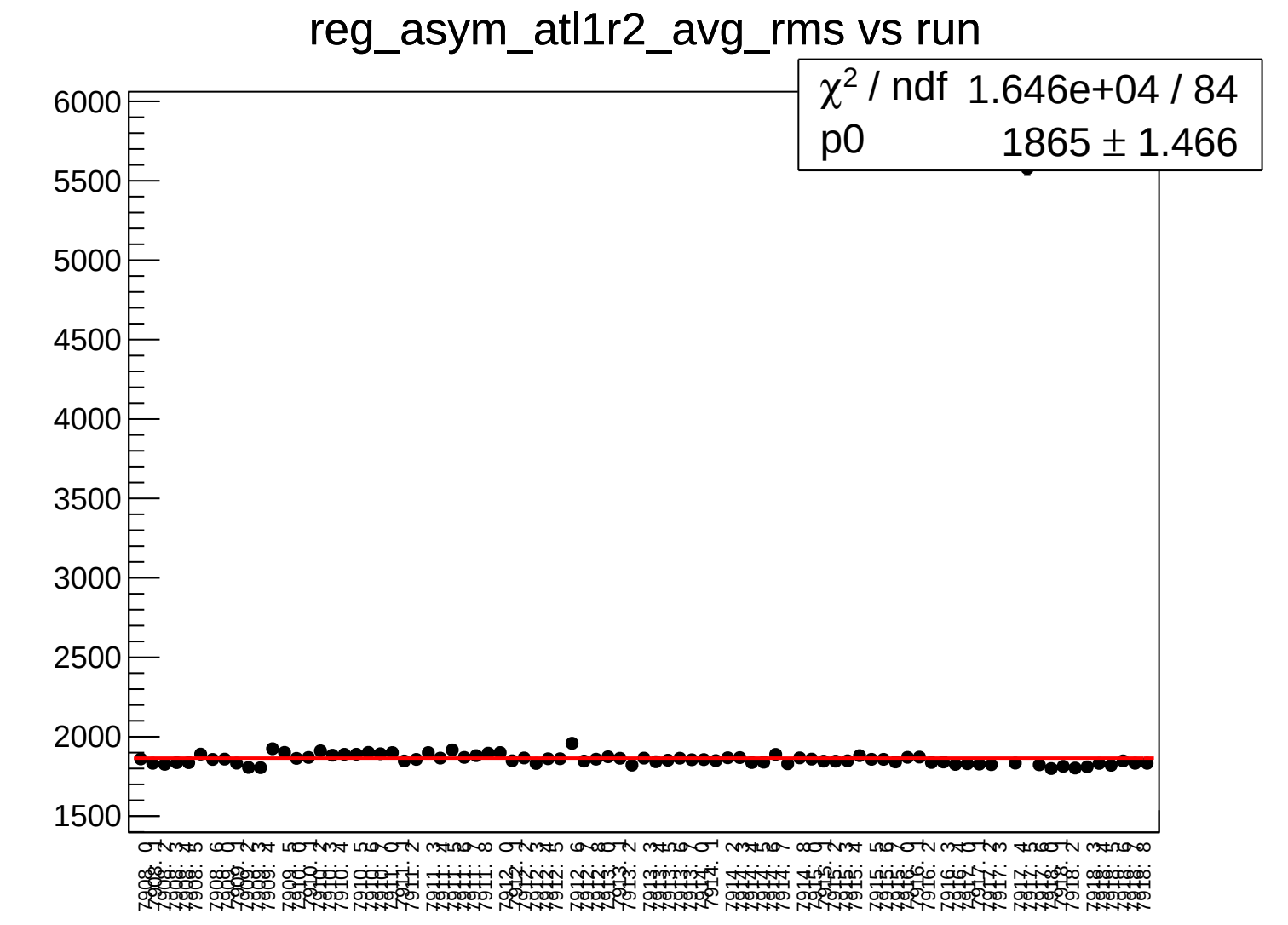

asym_at2_dd_mean vs run
×10^3
χ² / ndf 92.07 / 84
p0 −707.2 ± 4521
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 222.3
Std Dev 197.5
2
1
0
−1
−2

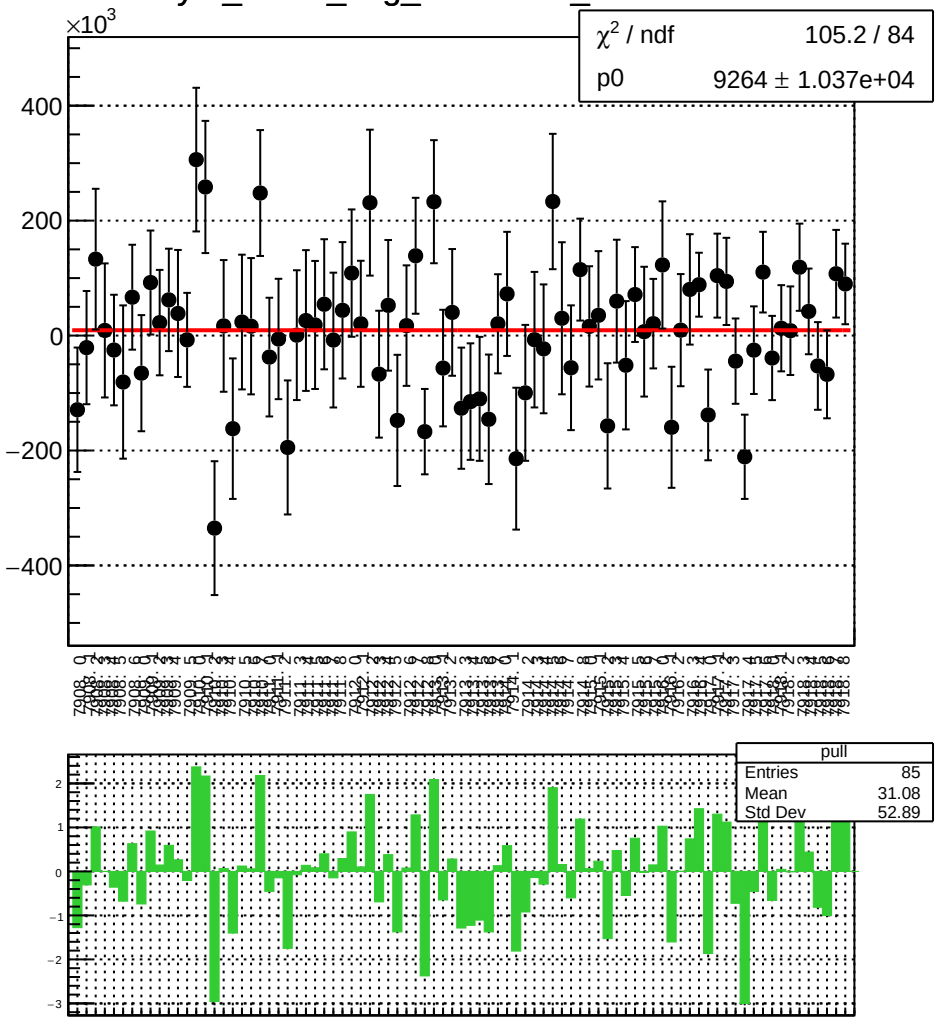

pull1D
Entries 85
Mean 0.003596
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

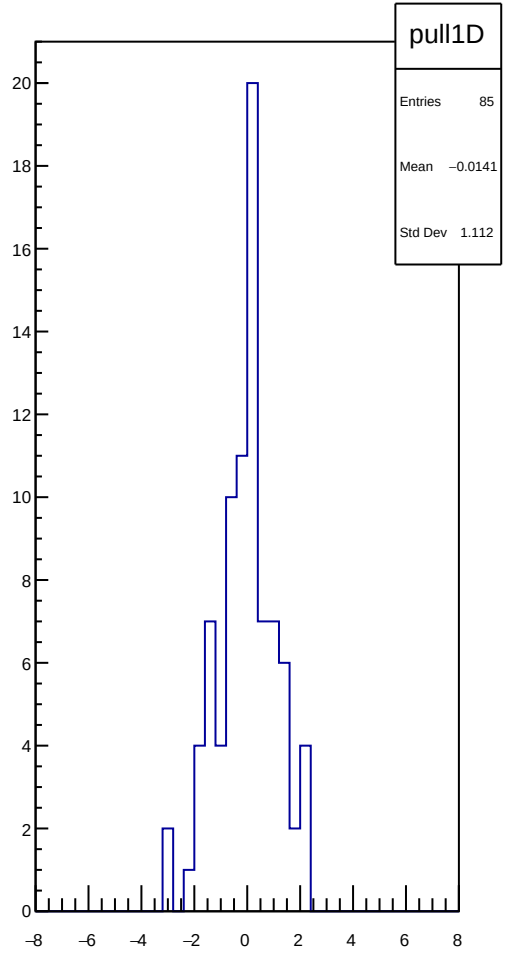

asym_at2_dd_rms vs run
χ^2 / ndf 2.191e+04 / 84
p0 4061 ± 3.197
6500
6000
5500
5000
4500
4000
3500
3000

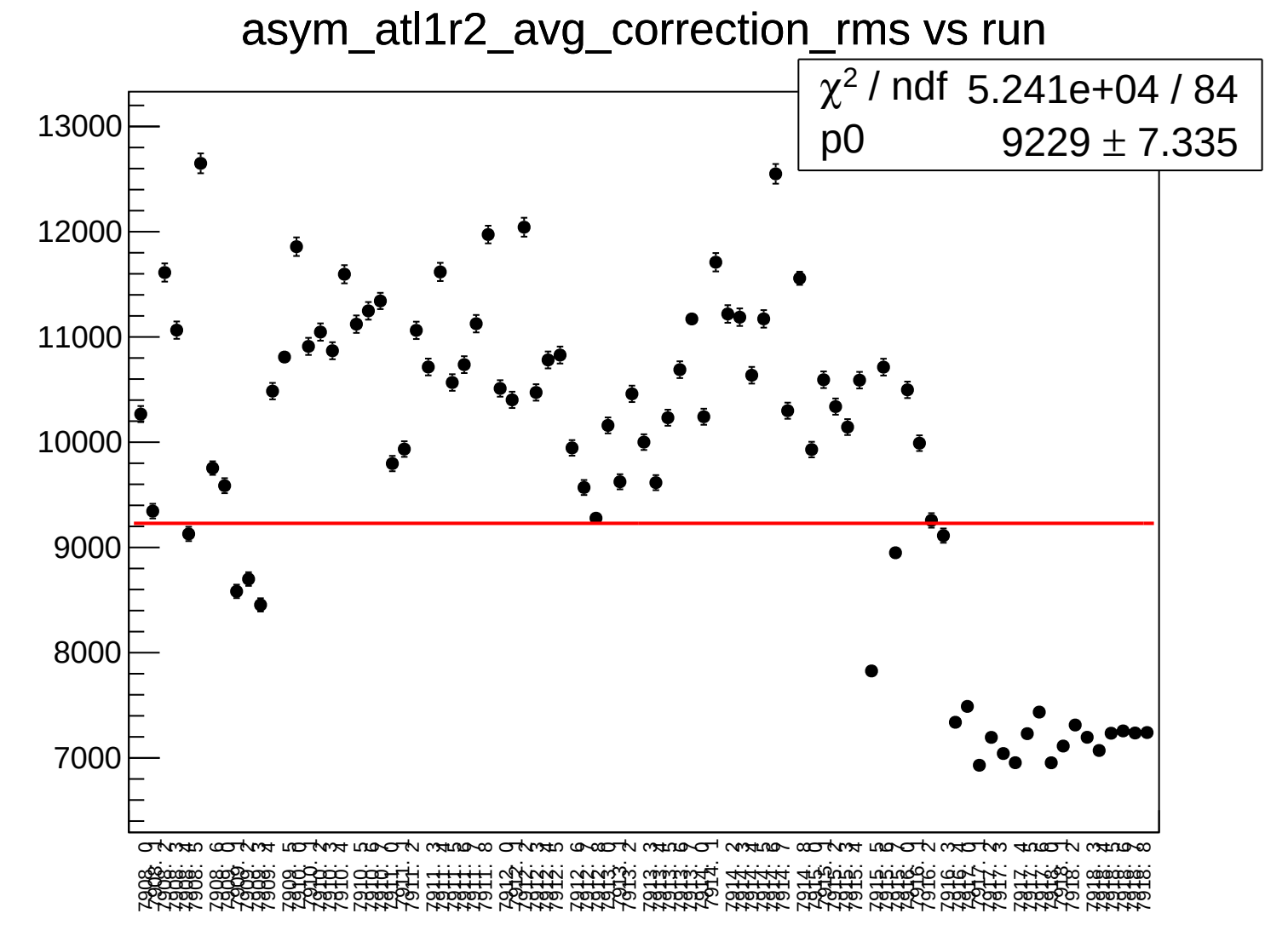

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 101 / 84
p0 −16.01± 2073
pull
Entries 85
Mean −6.021
Std Dev 83.54

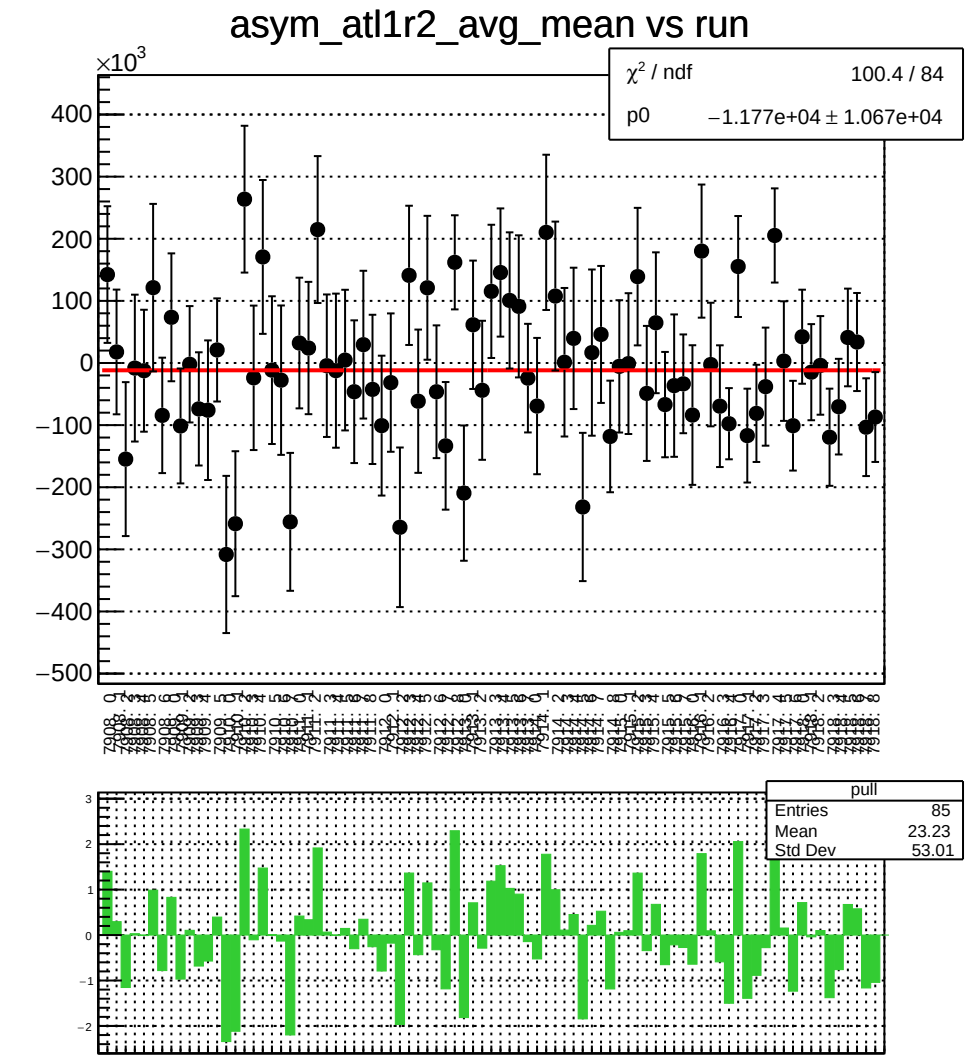

pull1D
Entries 85
Mean −0.009815
Std Dev 1.09

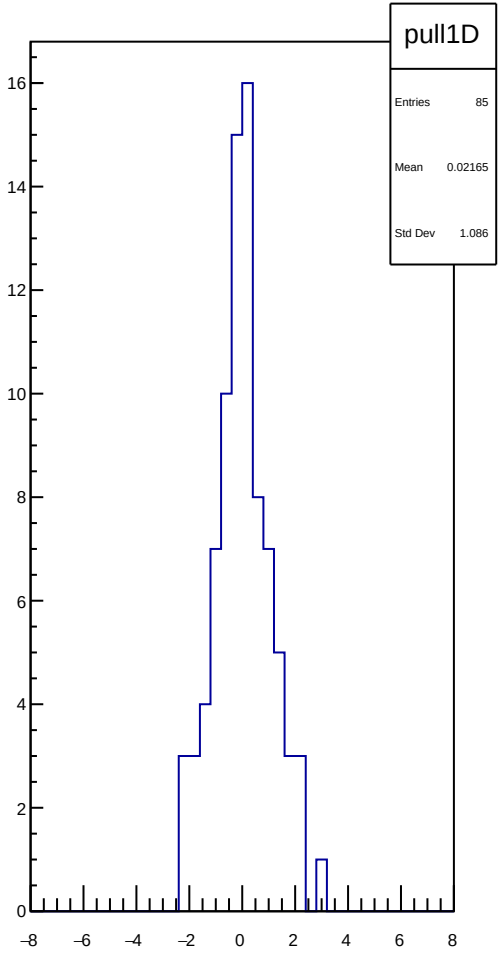

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1.646e+04 / 84
p0 1865 ± 1.466
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

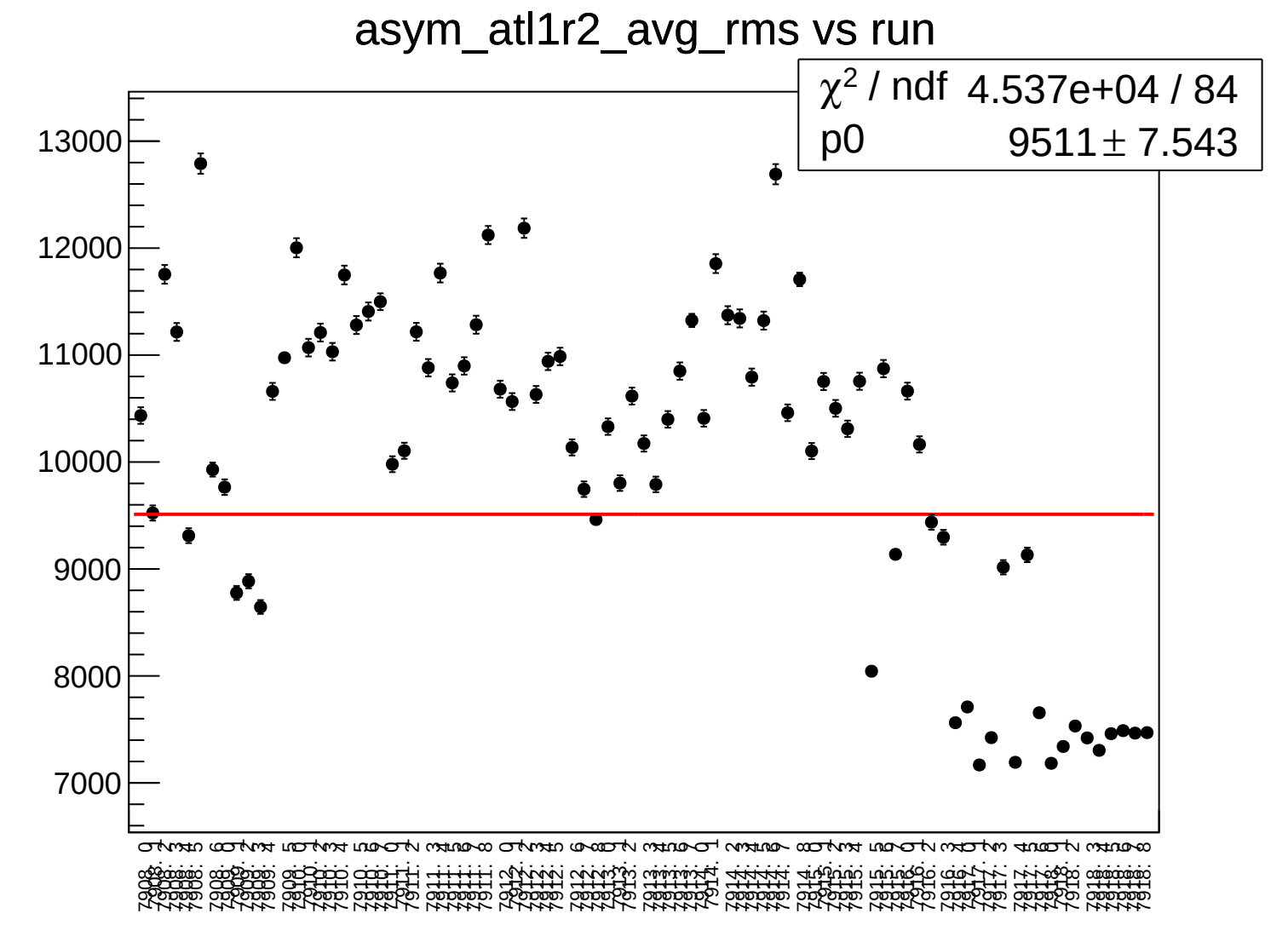

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 105.2 / 84
p0 9264 ± 1.037e+04
×10³
400
200
0
−200
−400
pull
Entries 85
Mean 31.08
Std Dev 52.89
2
1
0
−1
−2
−3

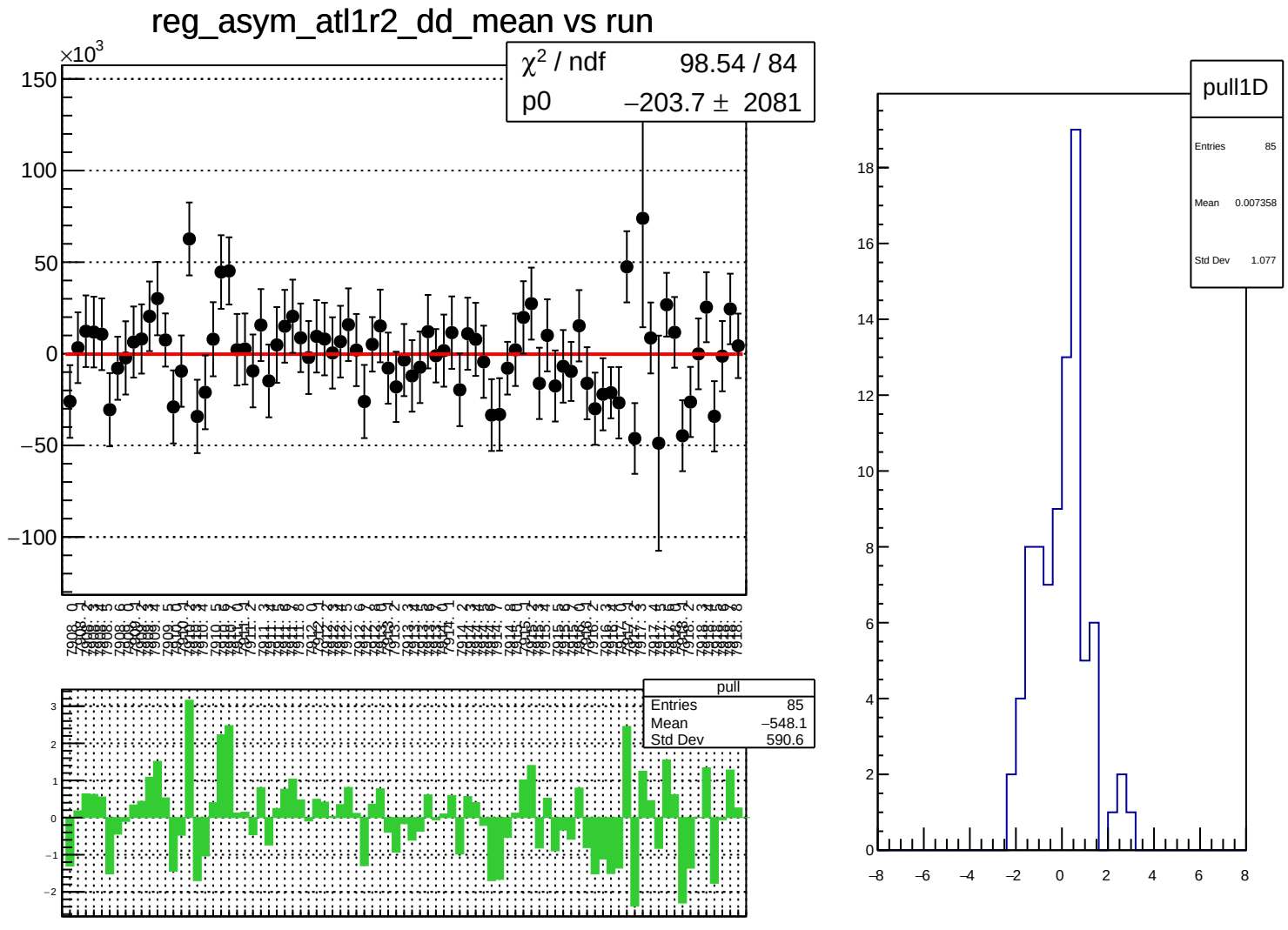

pull1D
Entries 85
Mean −0.0141
Std Dev 1.112
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

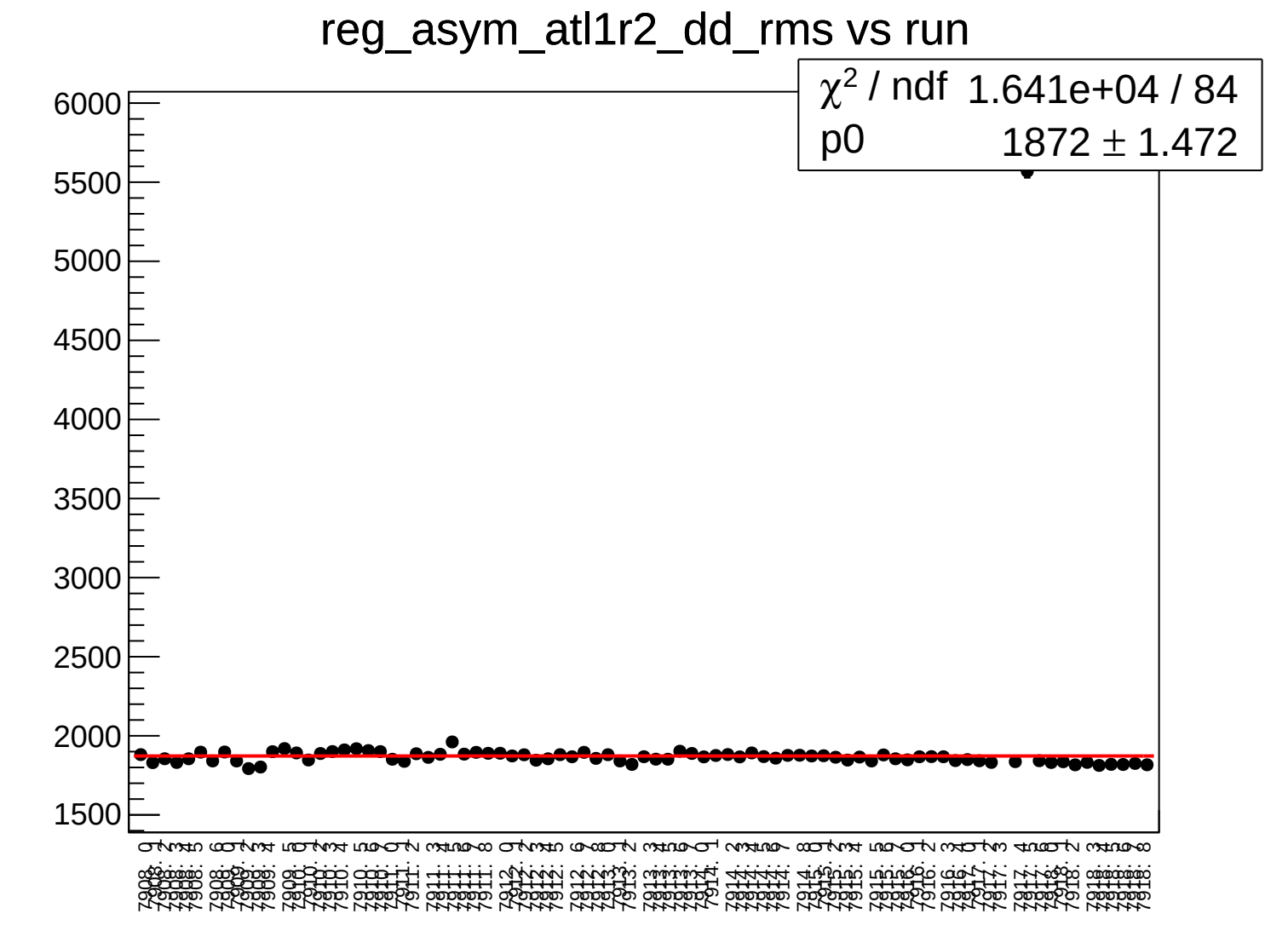

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 5.241e+04 / 84
p0 9229 ± 7.335
13000
12000
11000
10000
9000
8000
7000

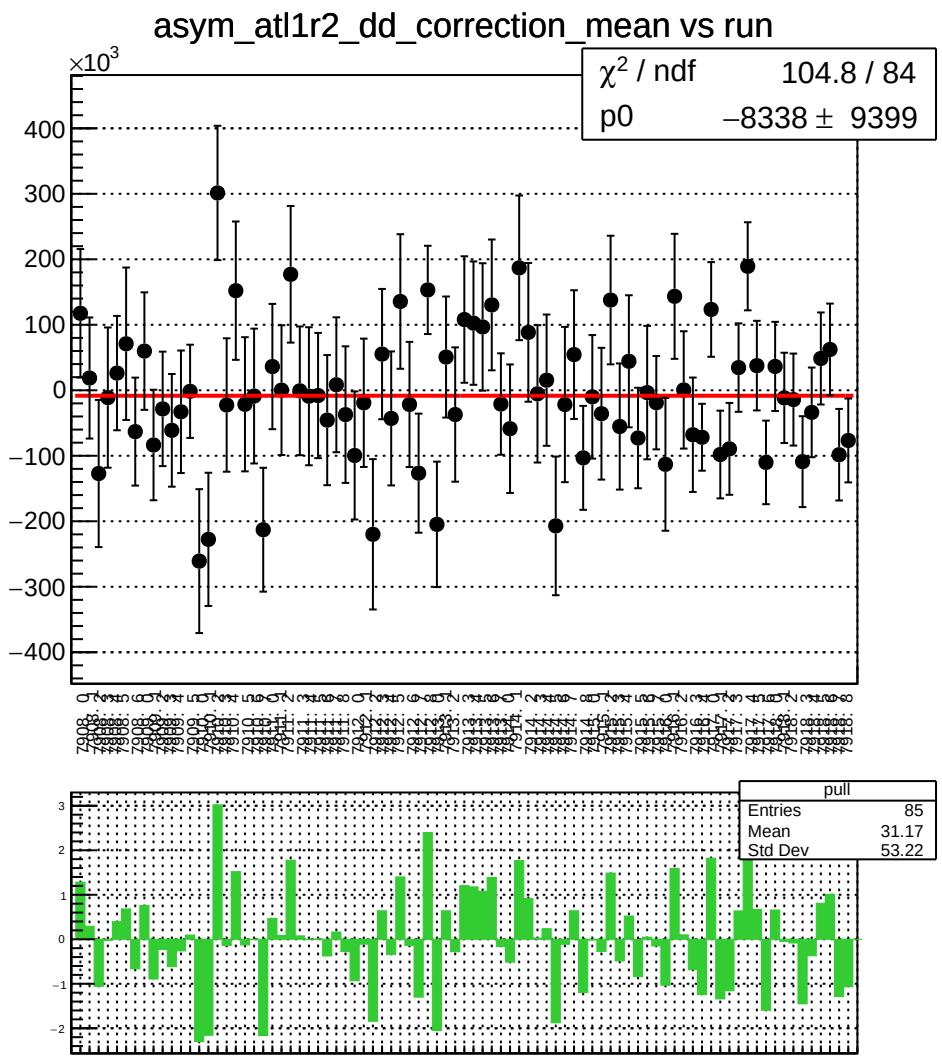

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 100.4 / 84
p0 −1.177e+04 ± 1.067e+04
pull
Entries 85
Mean 23.23
Std Dev 53.01

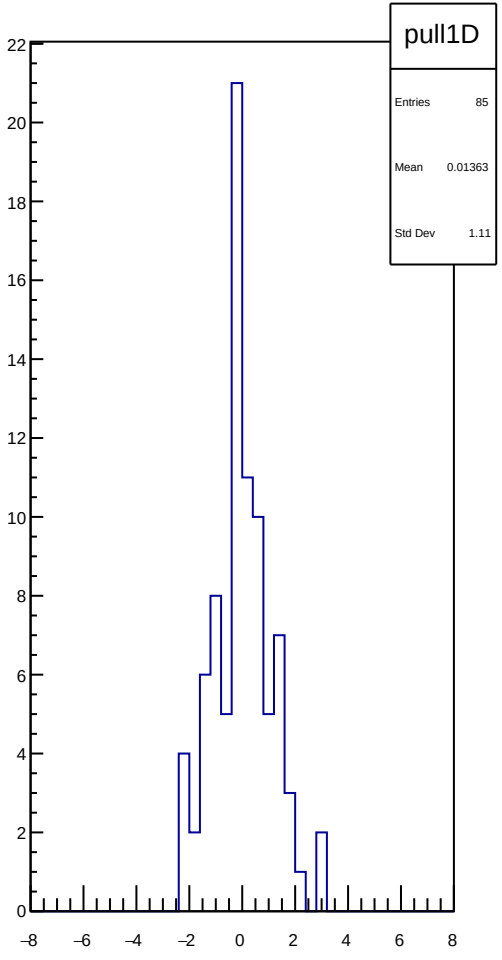

pull1D
Entries 85
Mean 0.02165
Std Dev 1.086

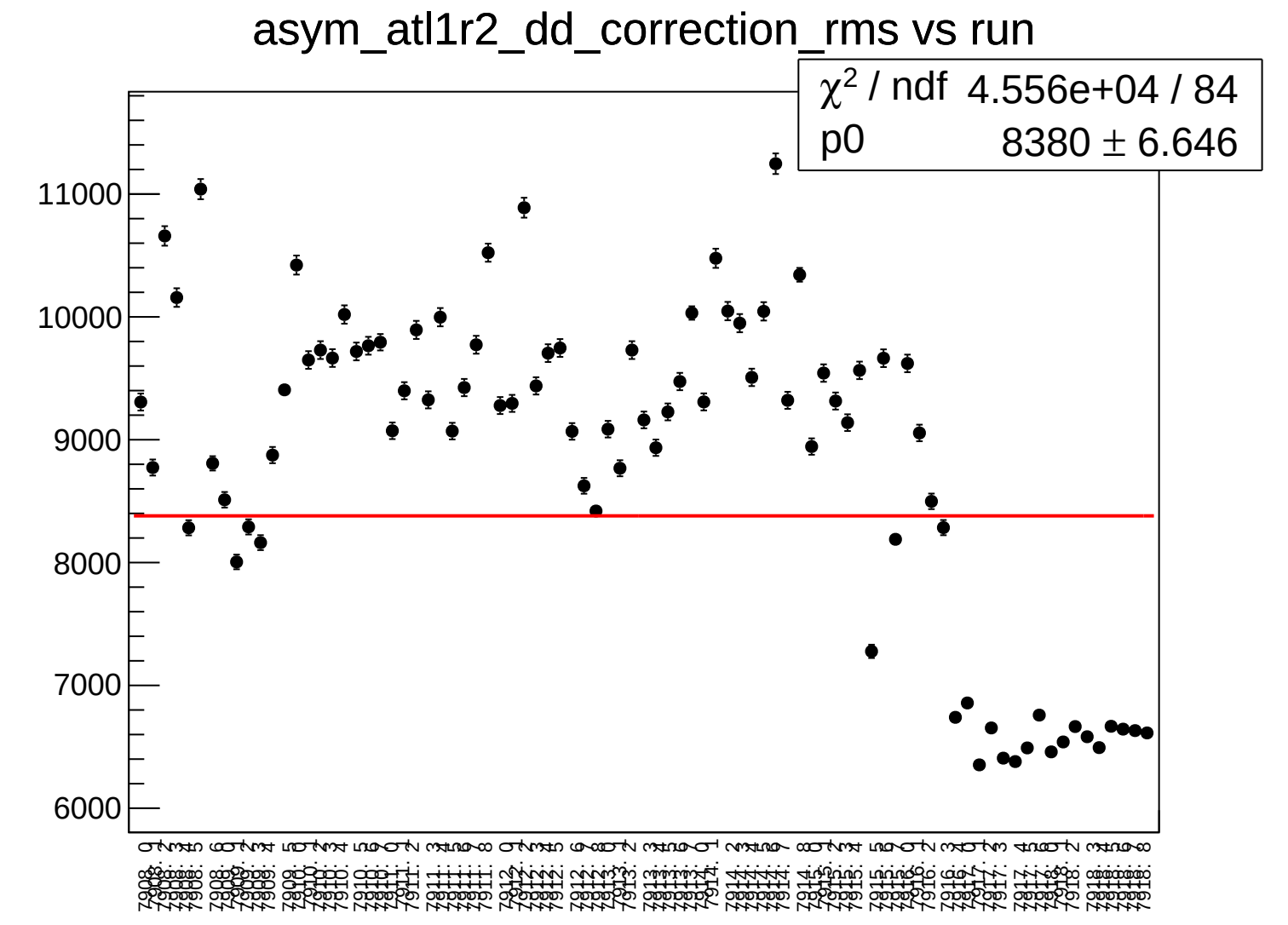

asym_atl1r2_avg_rms vs run
χ² / ndf 4.537e+04 / 84
p0 9511 ± 7.543
13000
12000
11000
10000
9000
8000
7000

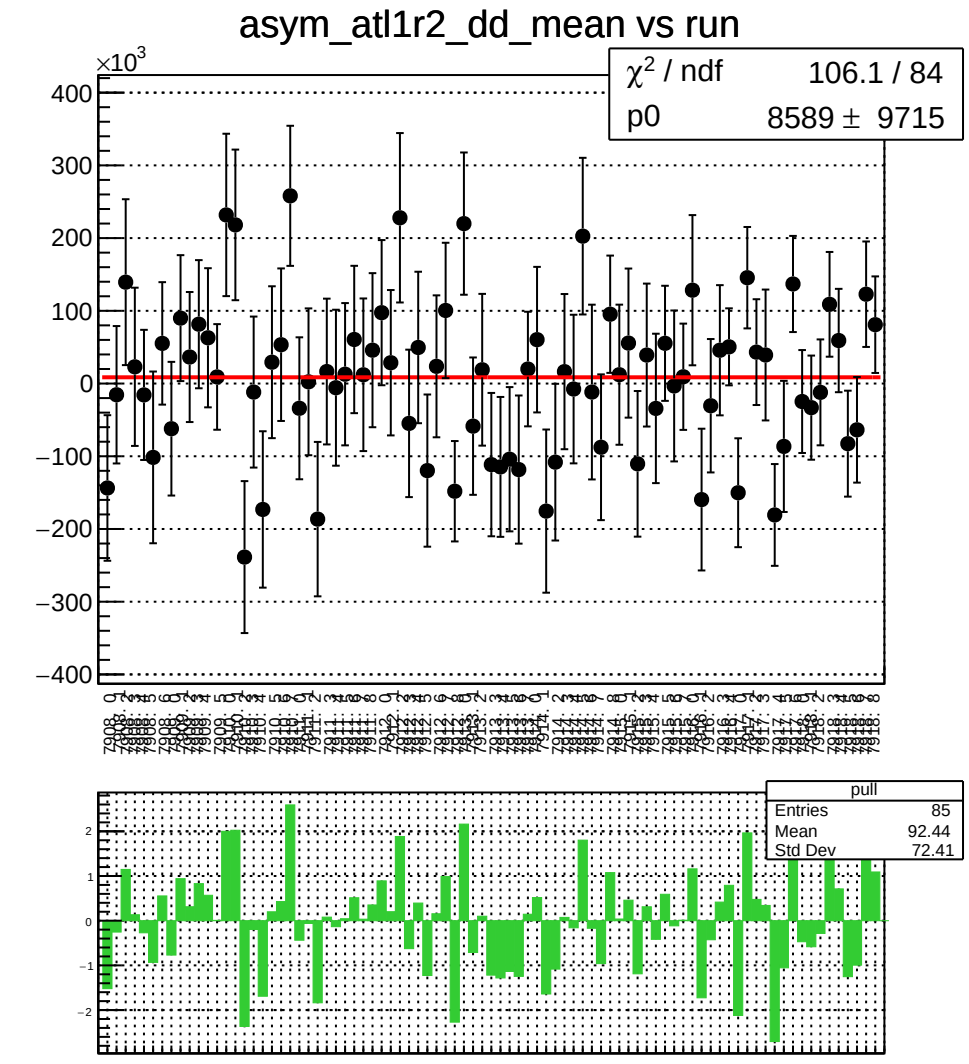

reg_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 98.54 / 84
p0 −203.7 ± 2081
150
100
50
0
−50
−100
pull
Entries 85
Mean −548.1
Std Dev 590.6
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.007358
Std Dev 1.077
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

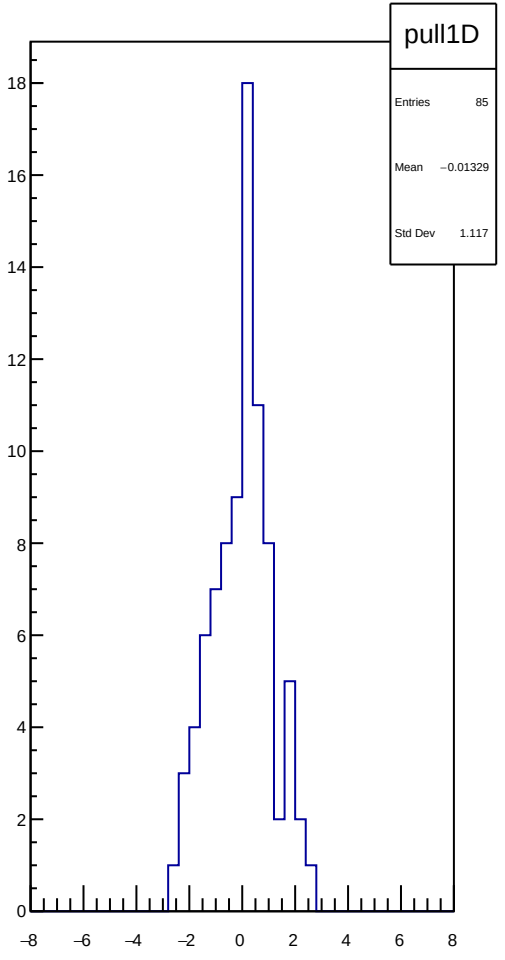

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 1.641e+04 / 84
p0 1872 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

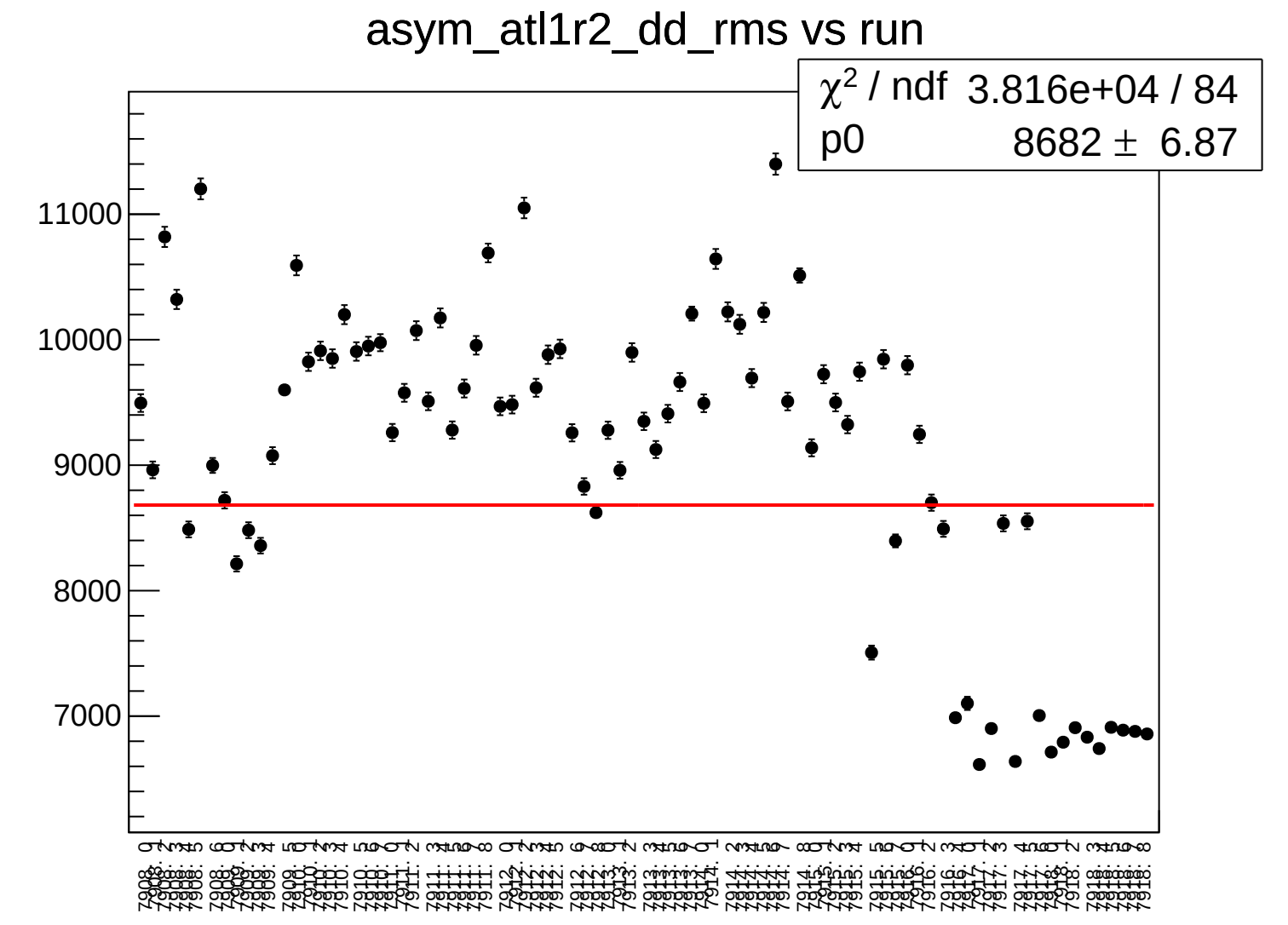

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 104.8 / 84
p0 −8338 ± 9399
×10³
pull
Entries 85
Mean 31.17
Std Dev 53.22

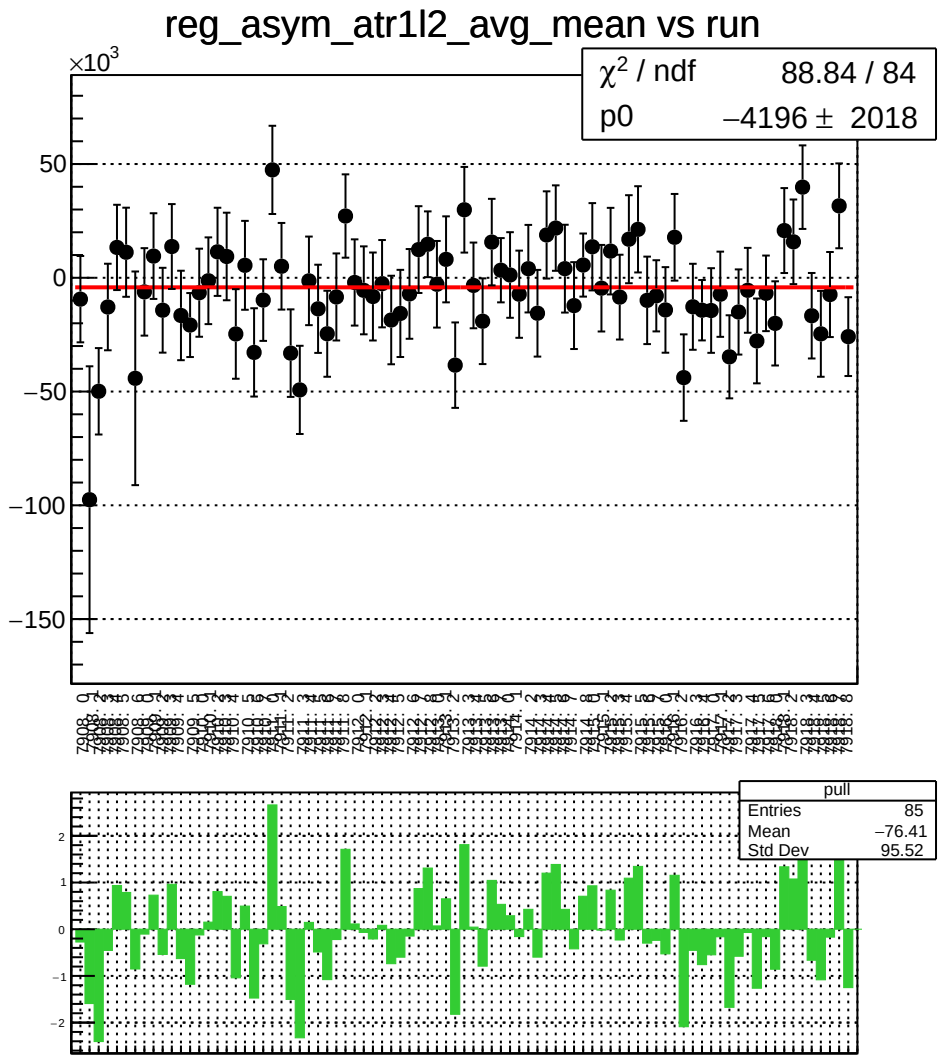

pull1D
Entries 85
Mean 0.01363
Std Dev 1.11

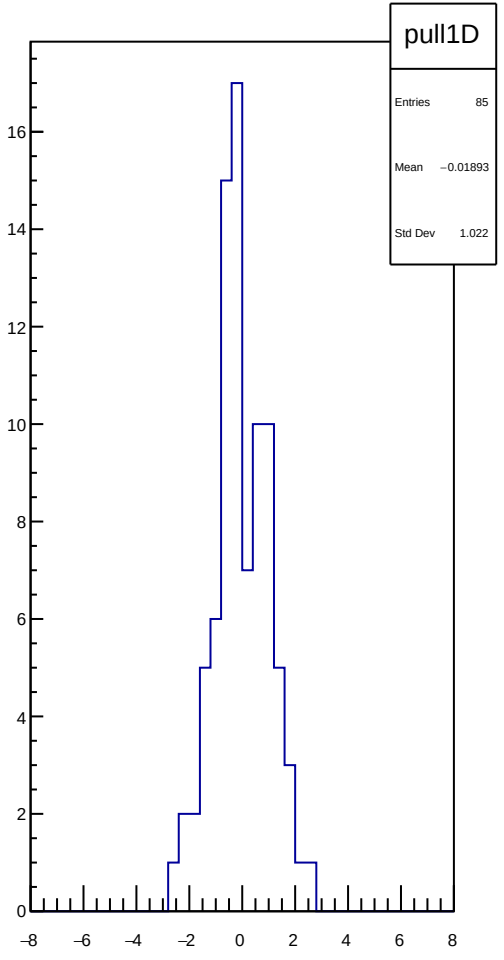

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 4.556e+04 / 84
p0 8380 ± 6.646
11000
10000
9000
8000
7000
6000

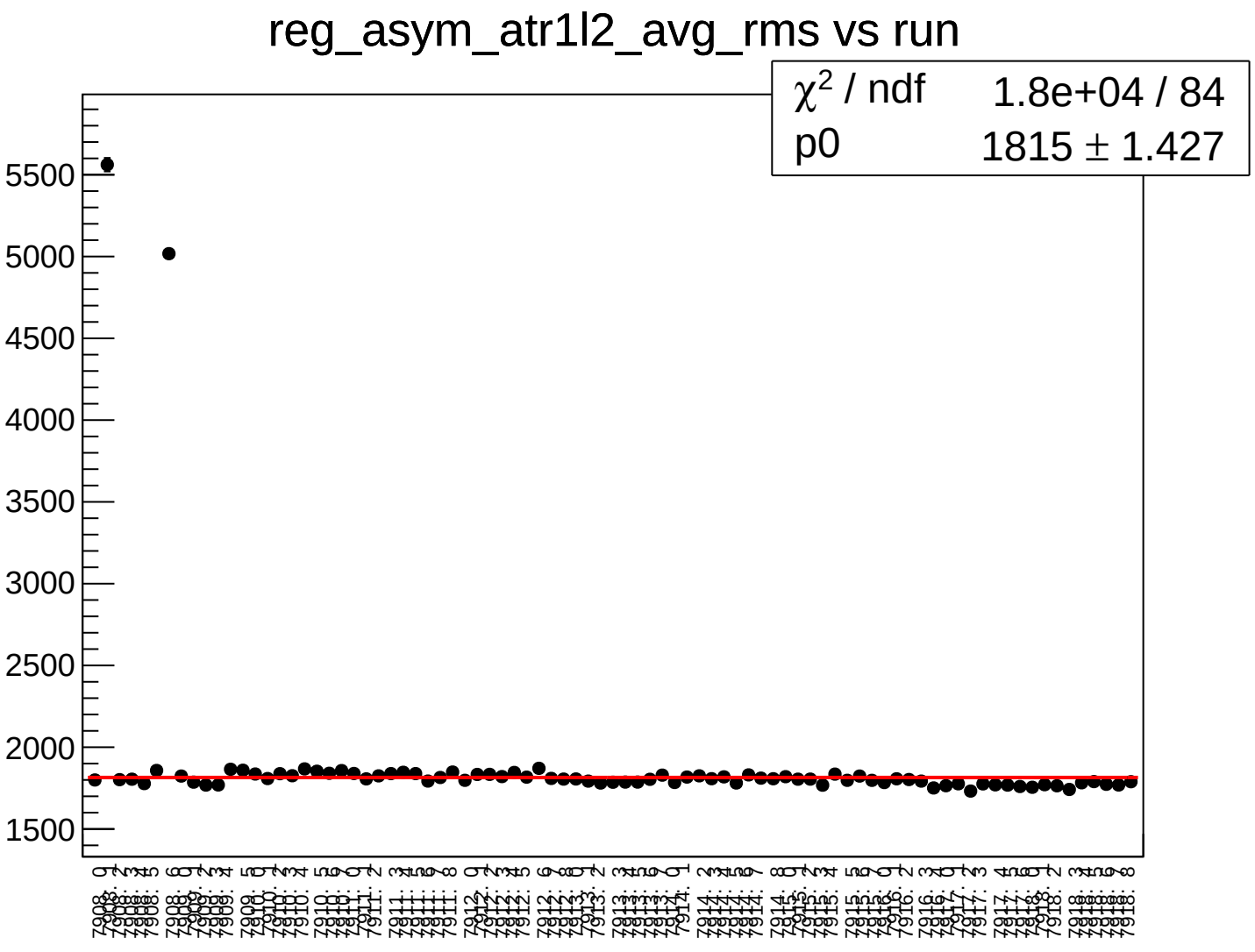

asym_atl1r2_dd_mean vs run
χ² / ndf 106.1 / 84
p0 8589 ± 9715
pull
Entries 85
Mean 92.44
Std Dev 72.41

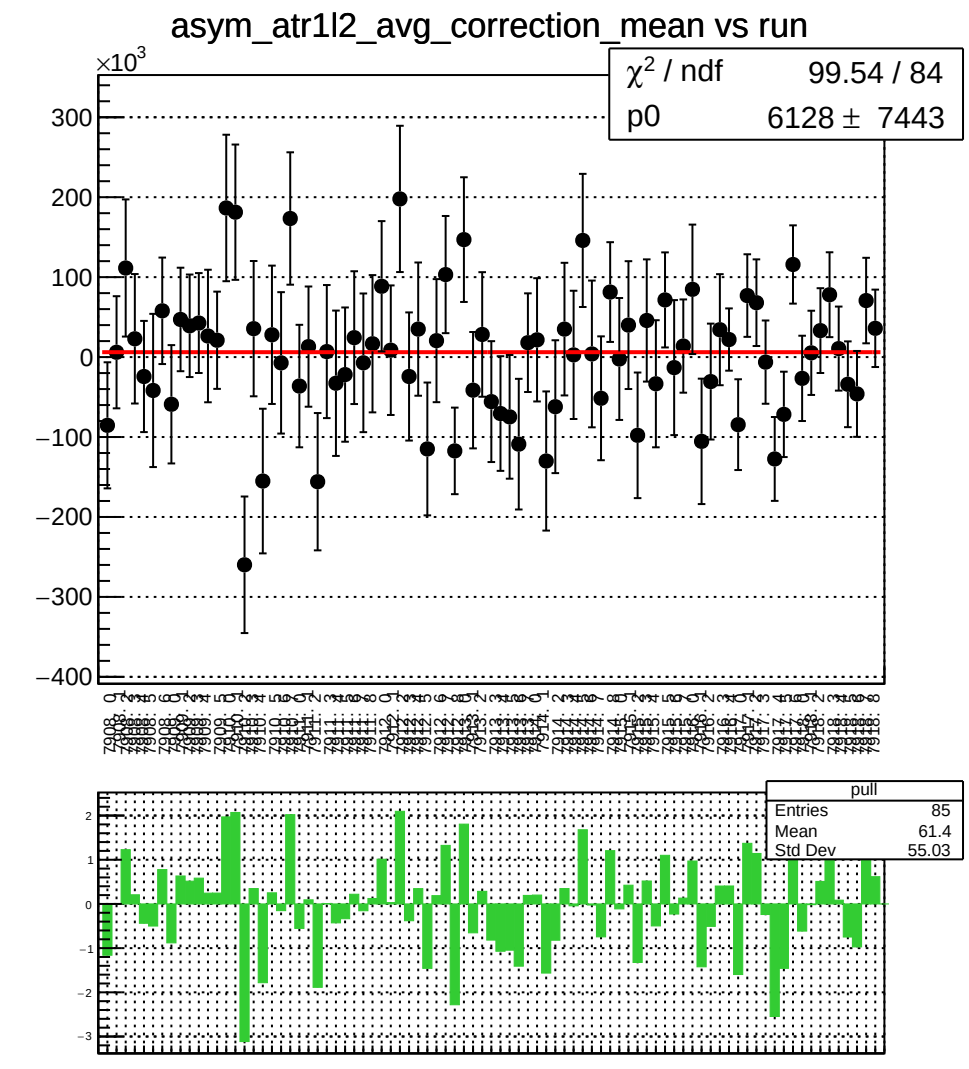

pull1D
Entries 85
Mean −0.01329
Std Dev 1.117

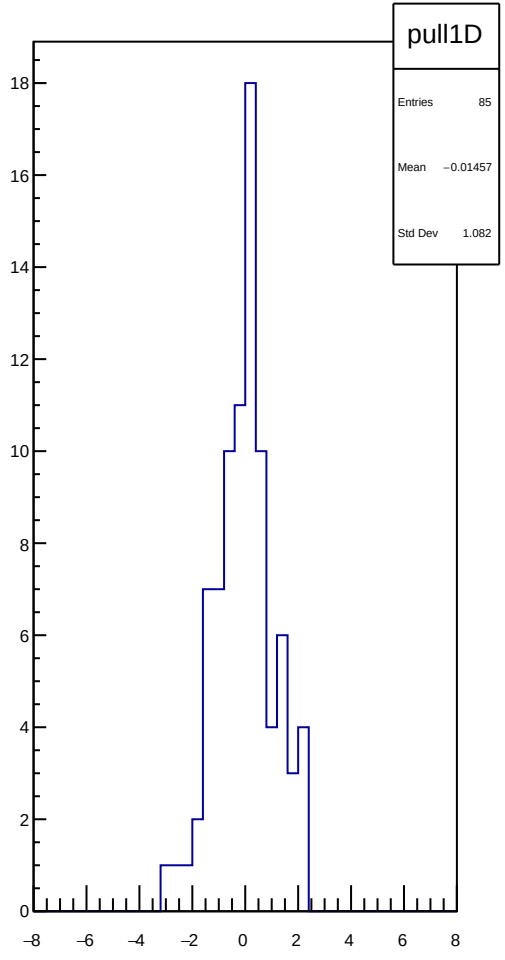

asym_atl1r2_dd_rms vs run
χ^2 / ndf 3.816e+04 / 84
p0 8682 ± 6.87
11000
10000
9000
8000
7000

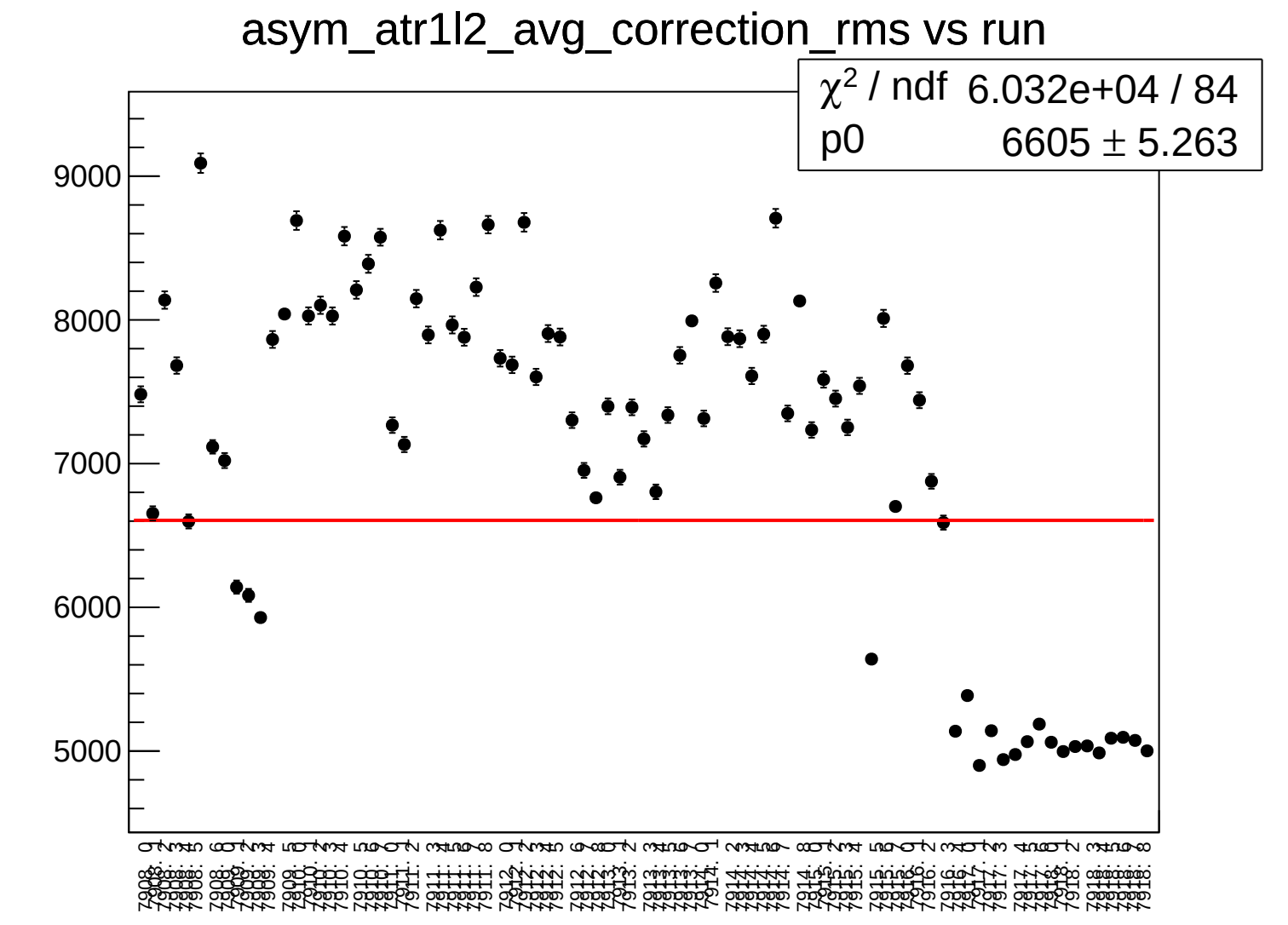

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 88.84 / 84
p0 −4196 ± 2018
50
0
−50
−100
−150
pull
Entries 85
Mean −76.41
Std Dev 95.52
2
1
0
−1
−2

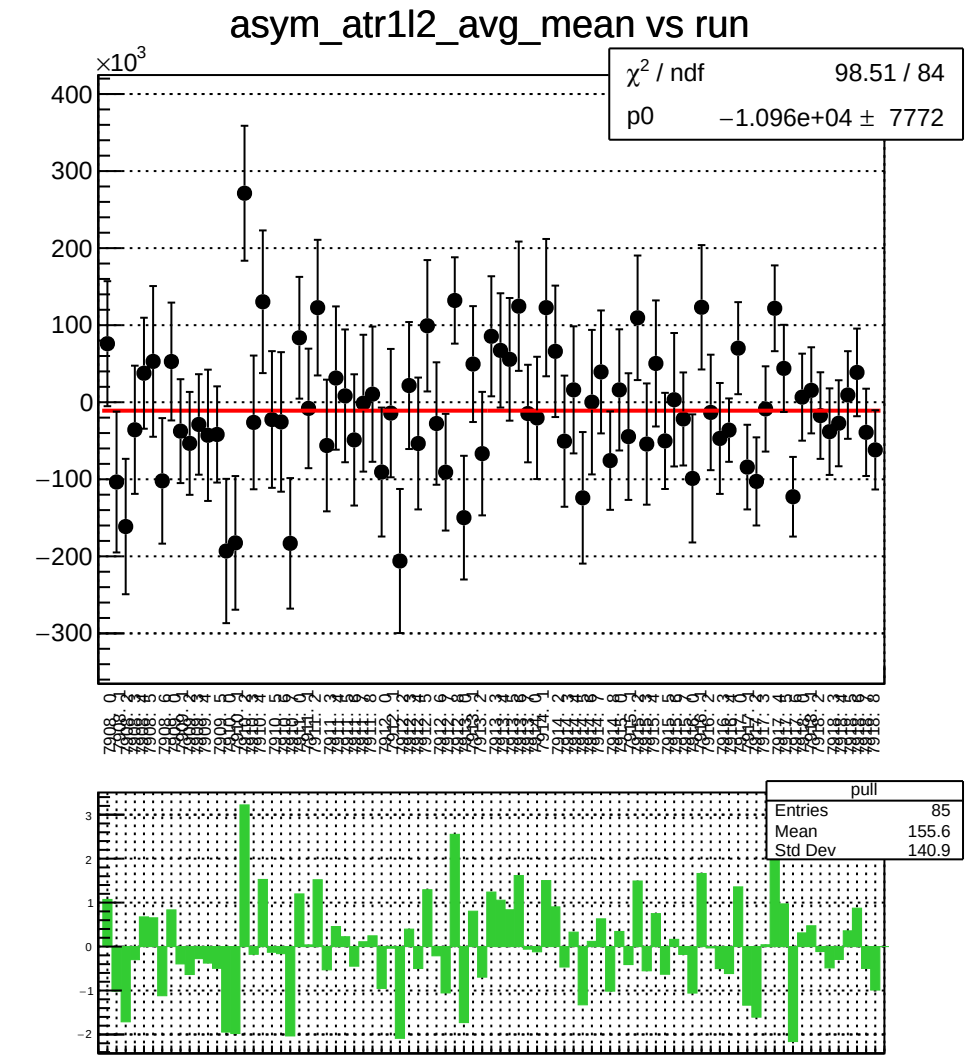

pull1D
Entries 85
Mean −0.01893
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

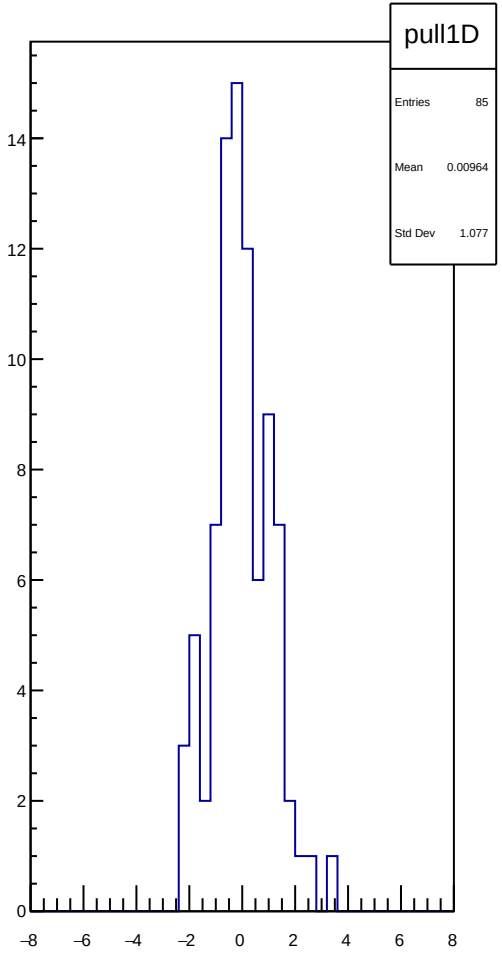

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 1.8e+04 / 84
p0 1815 ± 1.427
5500
5000
4500
4000
3500
3000
2500
2000
1500

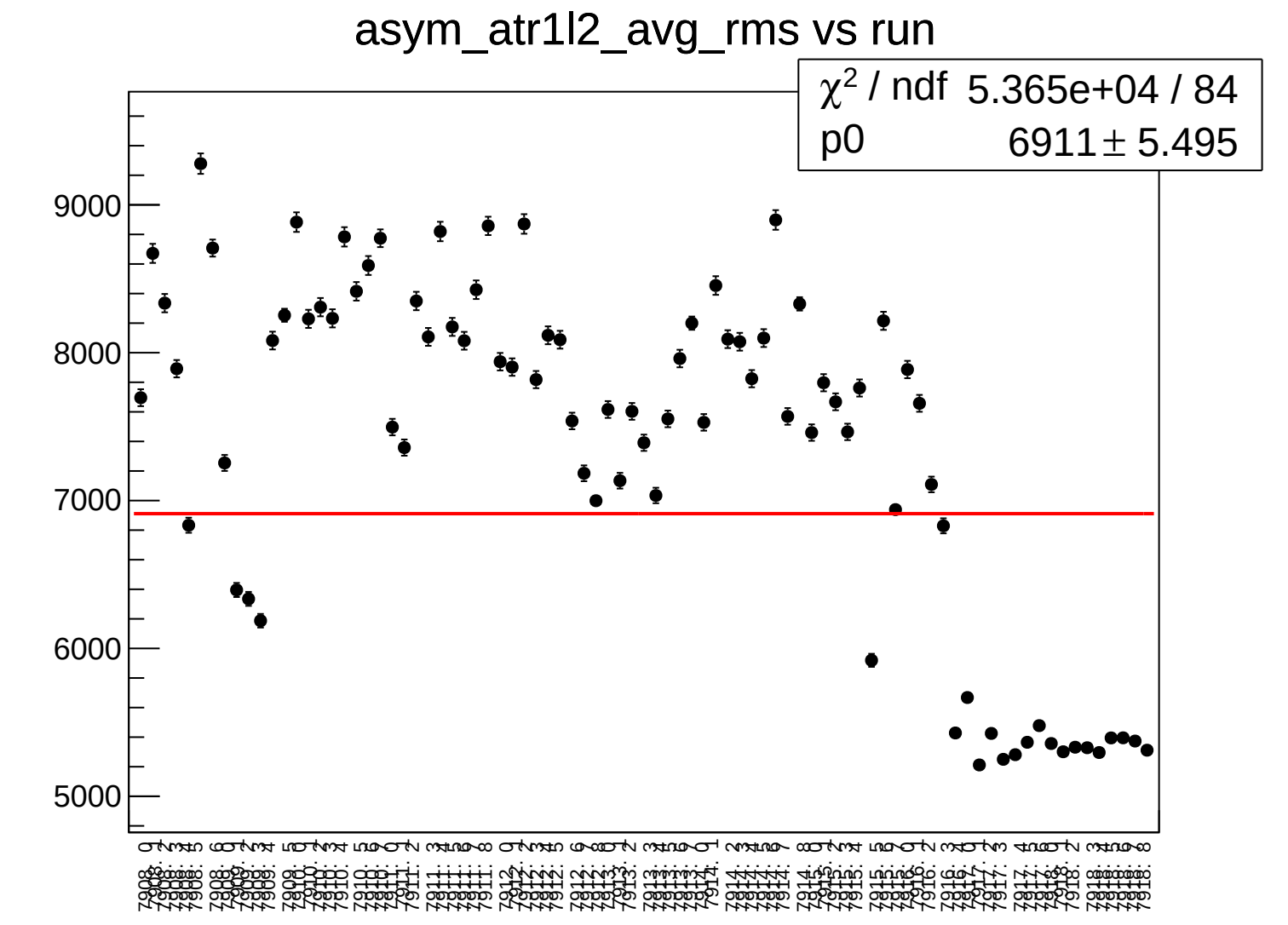

asym_atr1l2_avg_correction_mean vs run
×10^3
χ² / ndf 99.54 / 84
p0 6128 ± 7443
pull
Entries 85
Mean 61.4
Std Dev 55.03

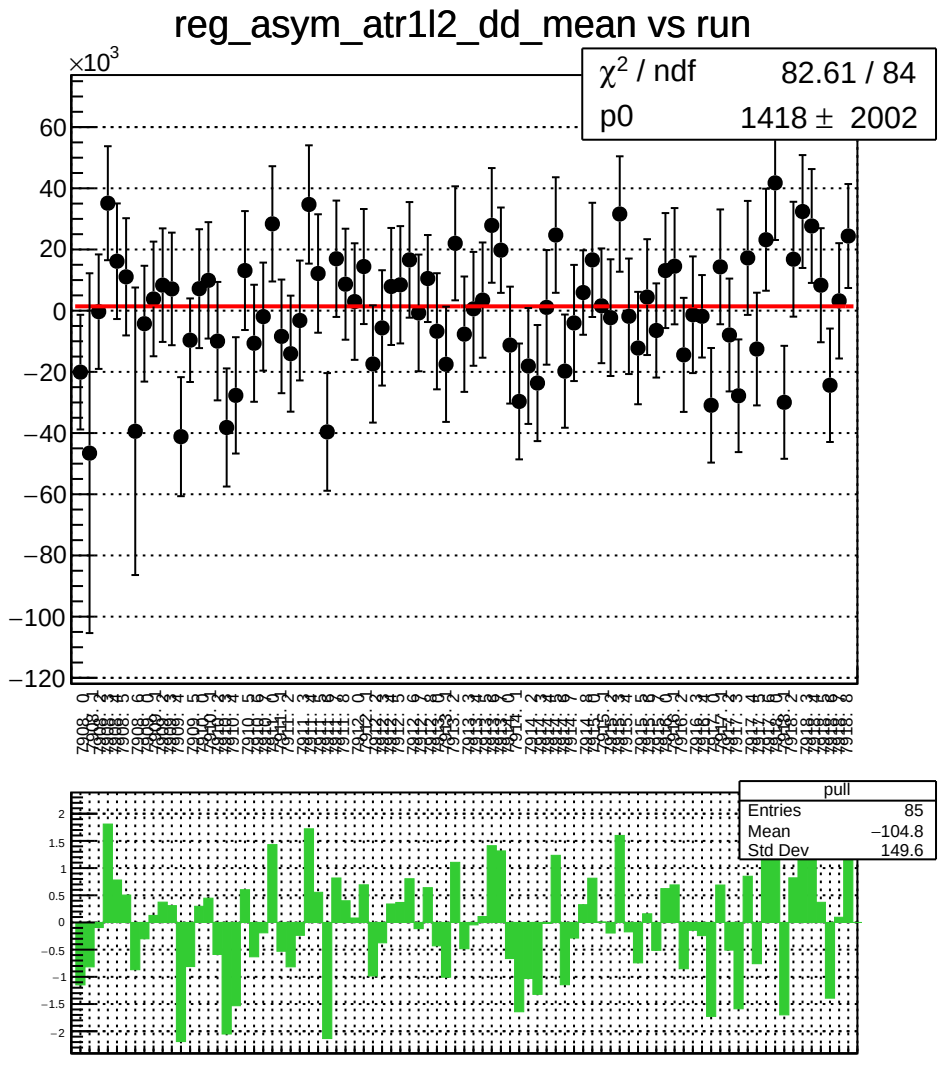

pull1D
Entries 85
Mean −0.01457
Std Dev 1.082

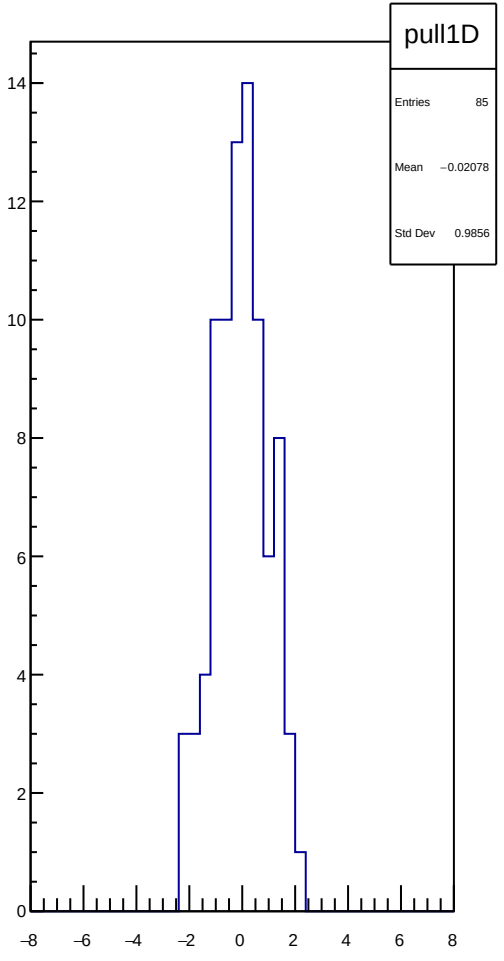

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 6.032e+04 / 84
p0 6605 ± 5.263
9000
8000
7000
6000
5000

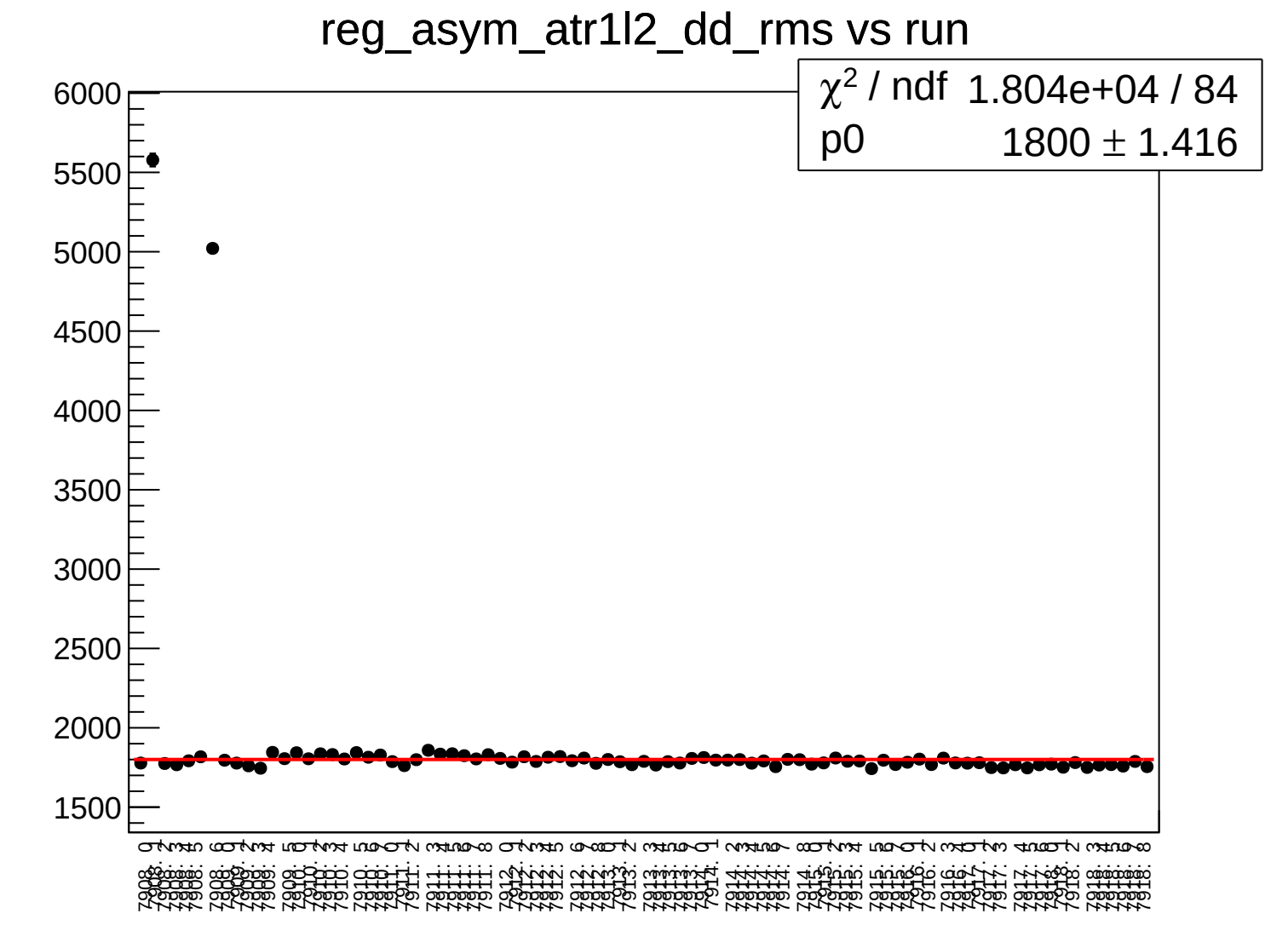

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 98.51 / 84
p0 −1.096e+04 ± 7772
pull
Entries 85
Mean 155.6
Std Dev 140.9

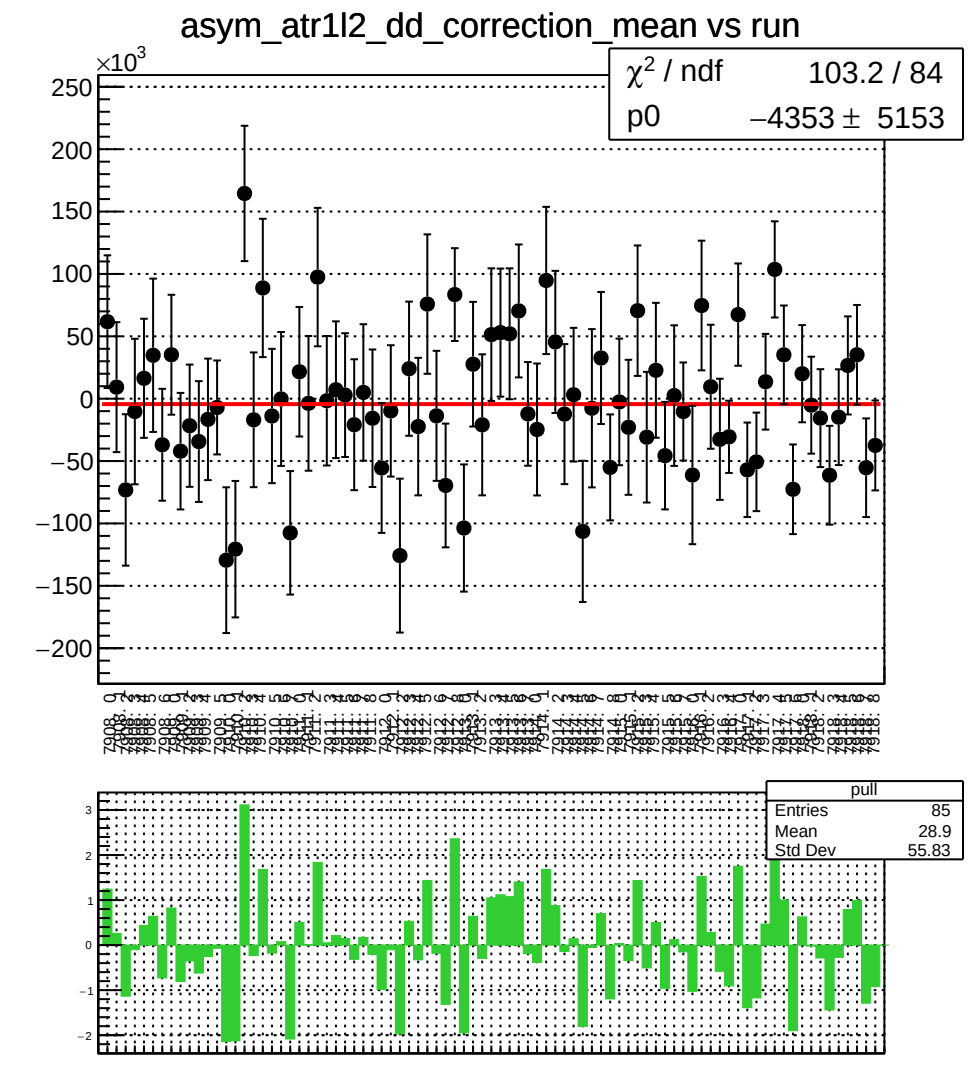

pull1D
Entries 85
Mean 0.00964
Std Dev 1.077

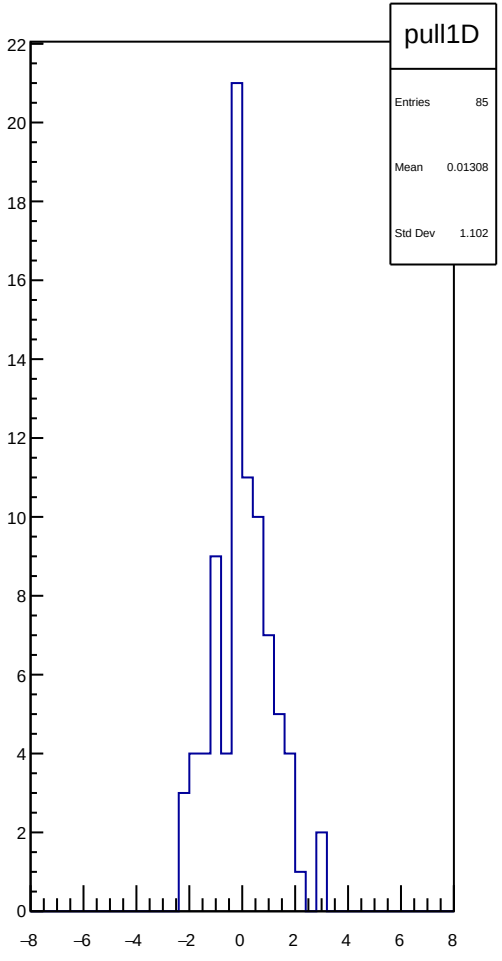

asym_atr1l2_avg_rms vs run
χ^2 / ndf 5.365e+04 / 84
p0 6911 ± 5.495
9000
8000
7000
6000
5000

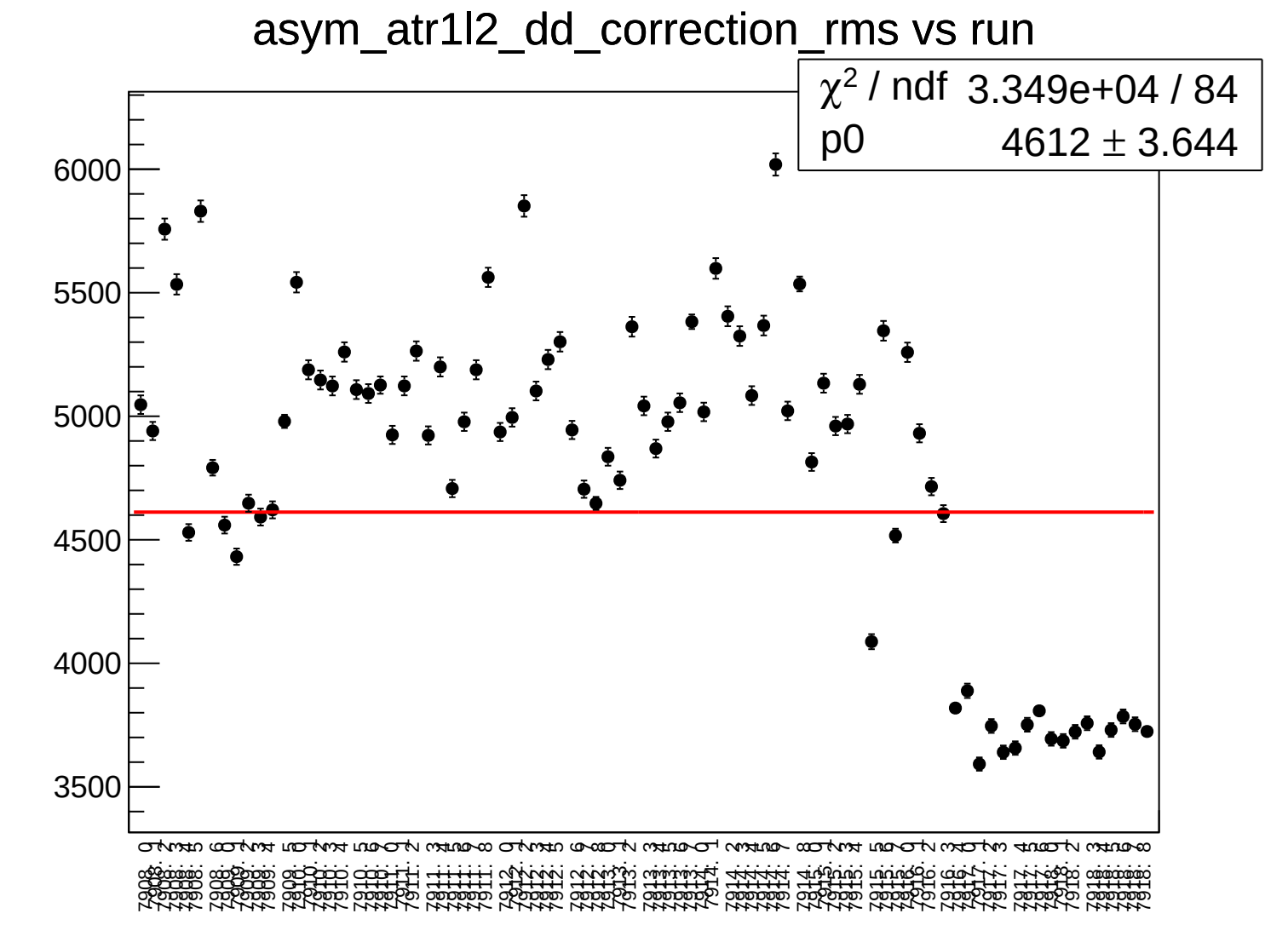

reg_asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 82.61 / 84
p0 1418 ± 2002
pull
Entries 85
Mean −104.8
Std Dev 149.6

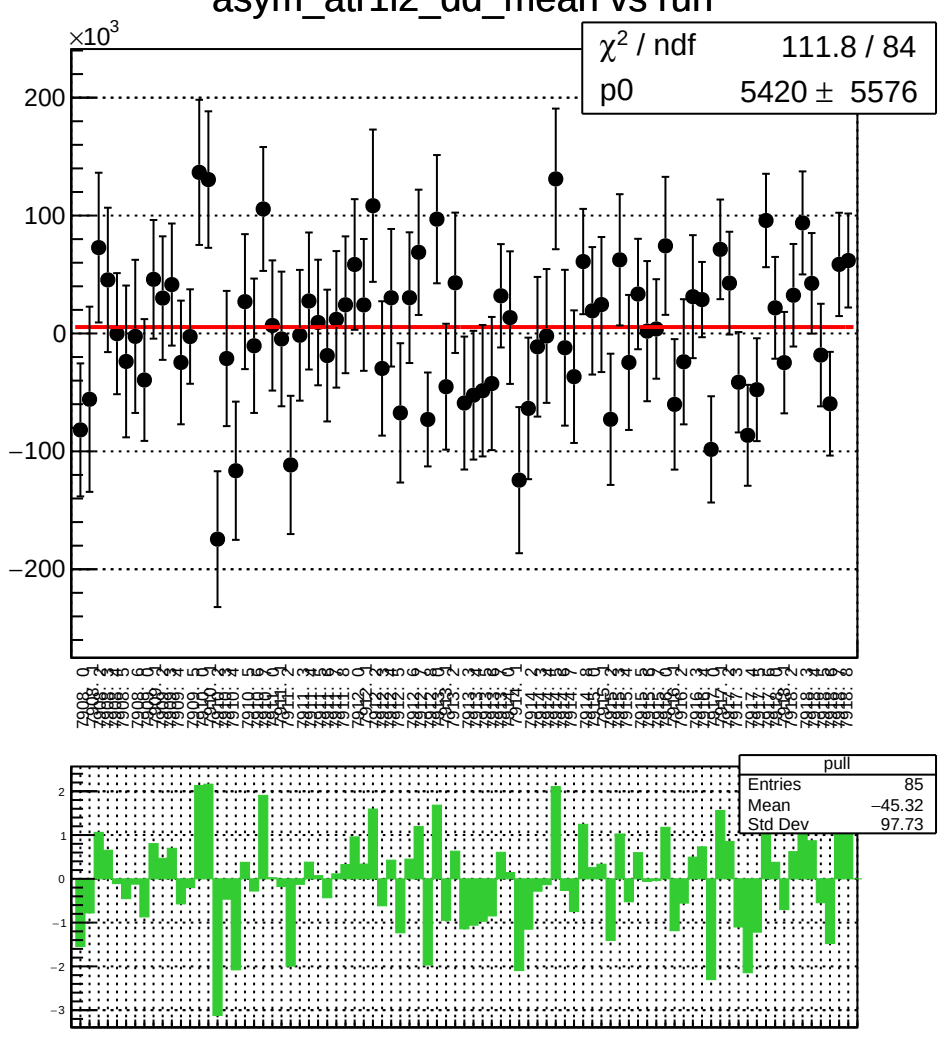

pull1D
Entries 85
Mean −0.02078
Std Dev 0.9856

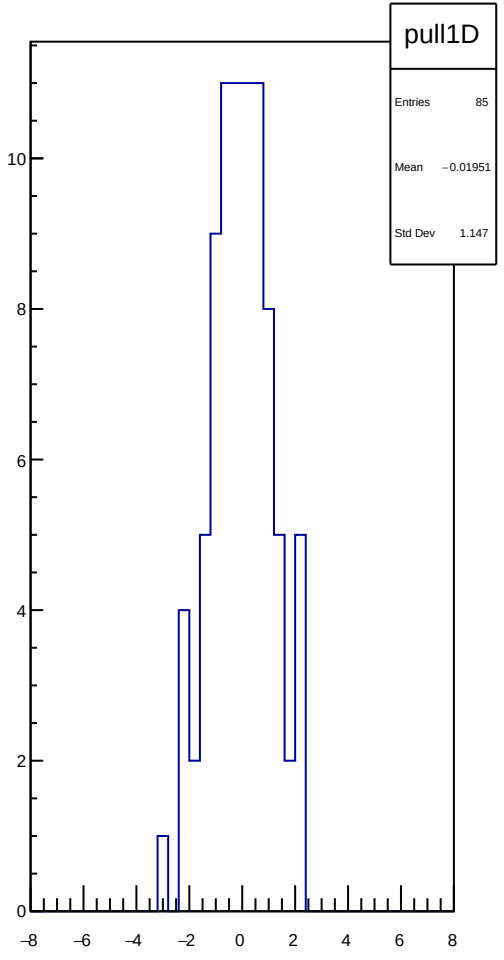

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 1.804e+04 / 84
p0 1800 ± 1.416
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

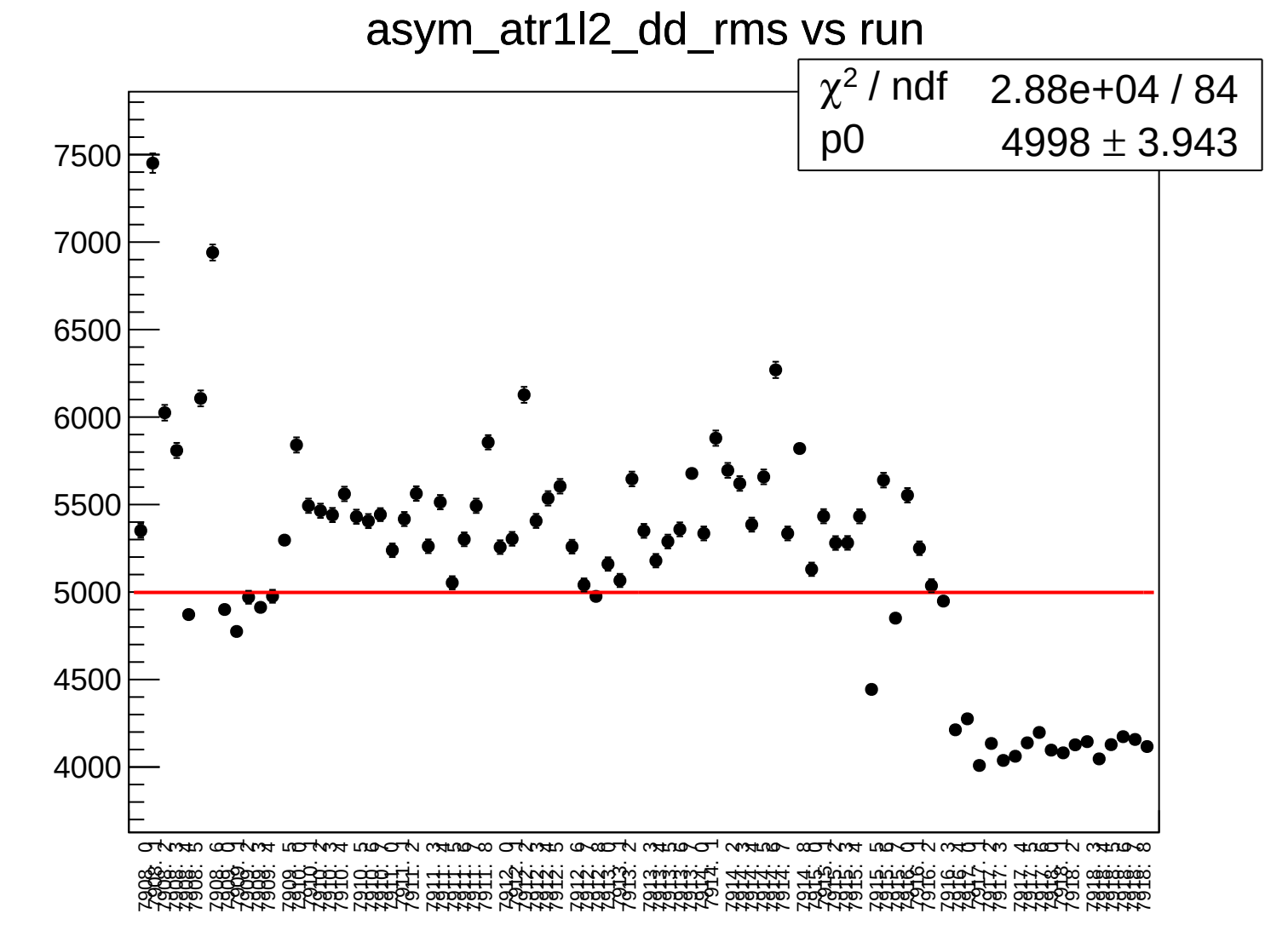

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 103.2 / 84
p0 −4353 ± 5153
×10³
pull
Entries 85
Mean 28.9
Std Dev 55.83

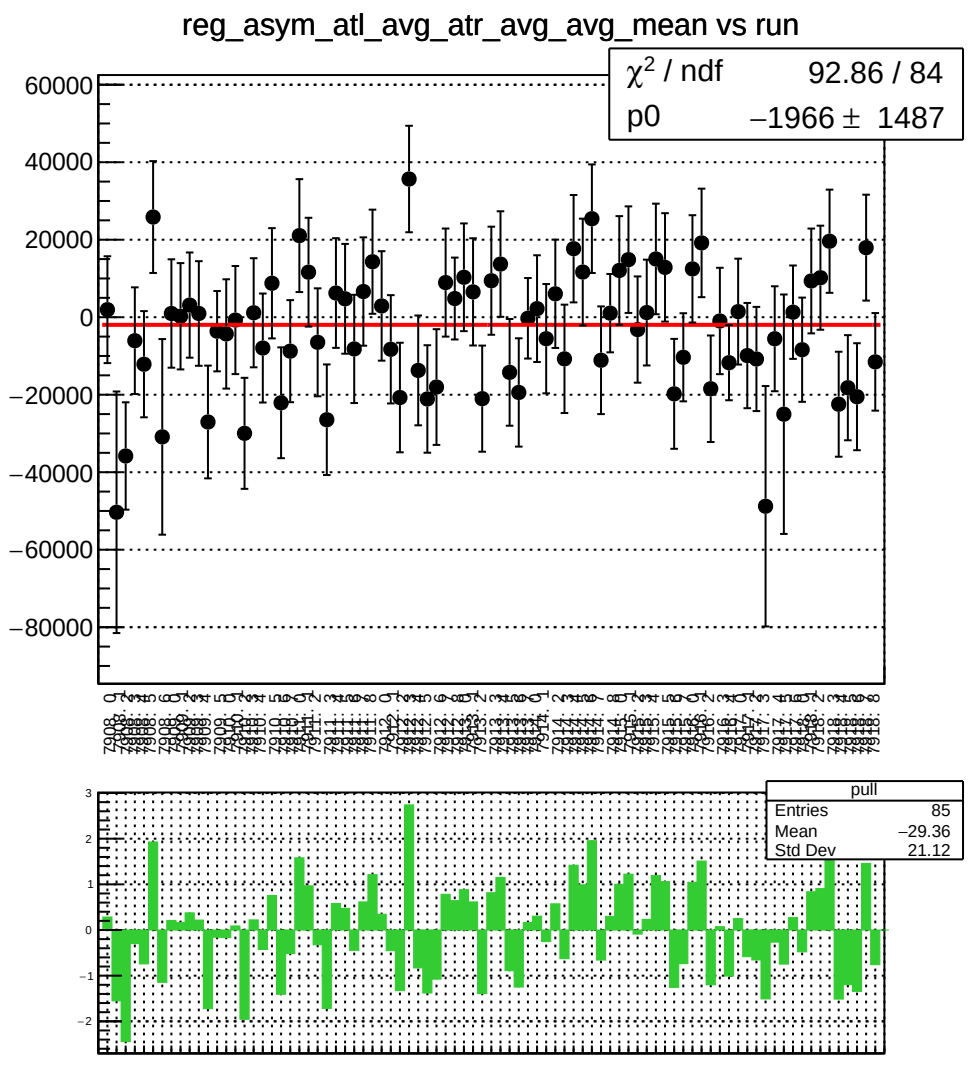

pull1D
Entries 85
Mean 0.01308
Std Dev 1.102

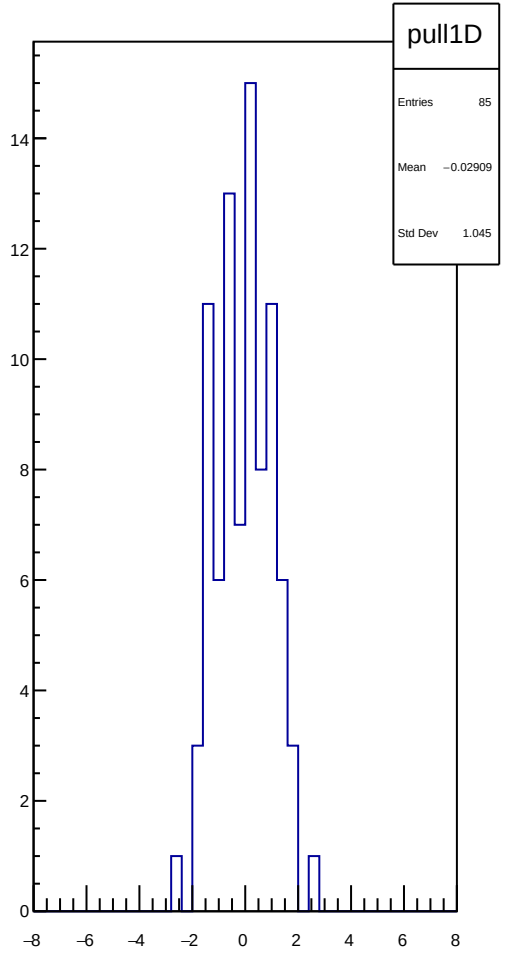

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 3.349e+04 / 84
p0 4612 ± 3.644
6000
5500
5000
4500
4000
3500

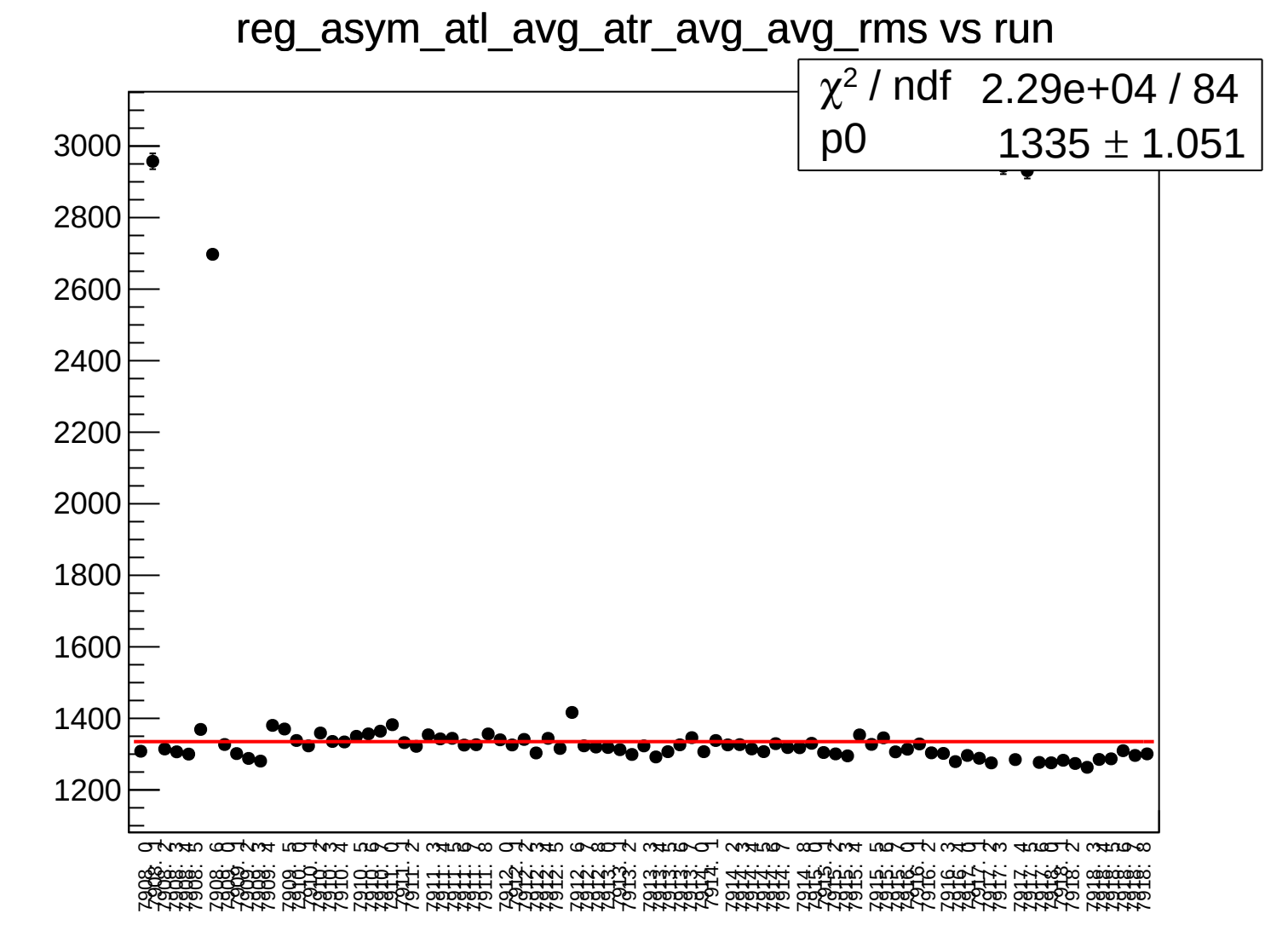

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 111.8 / 84
p0 5420 ± 5576
200
100
0
−100
−200
pull
Entries 85
Mean −45.32
Std Dev 97.73
2
1
0
−1
−2
−3

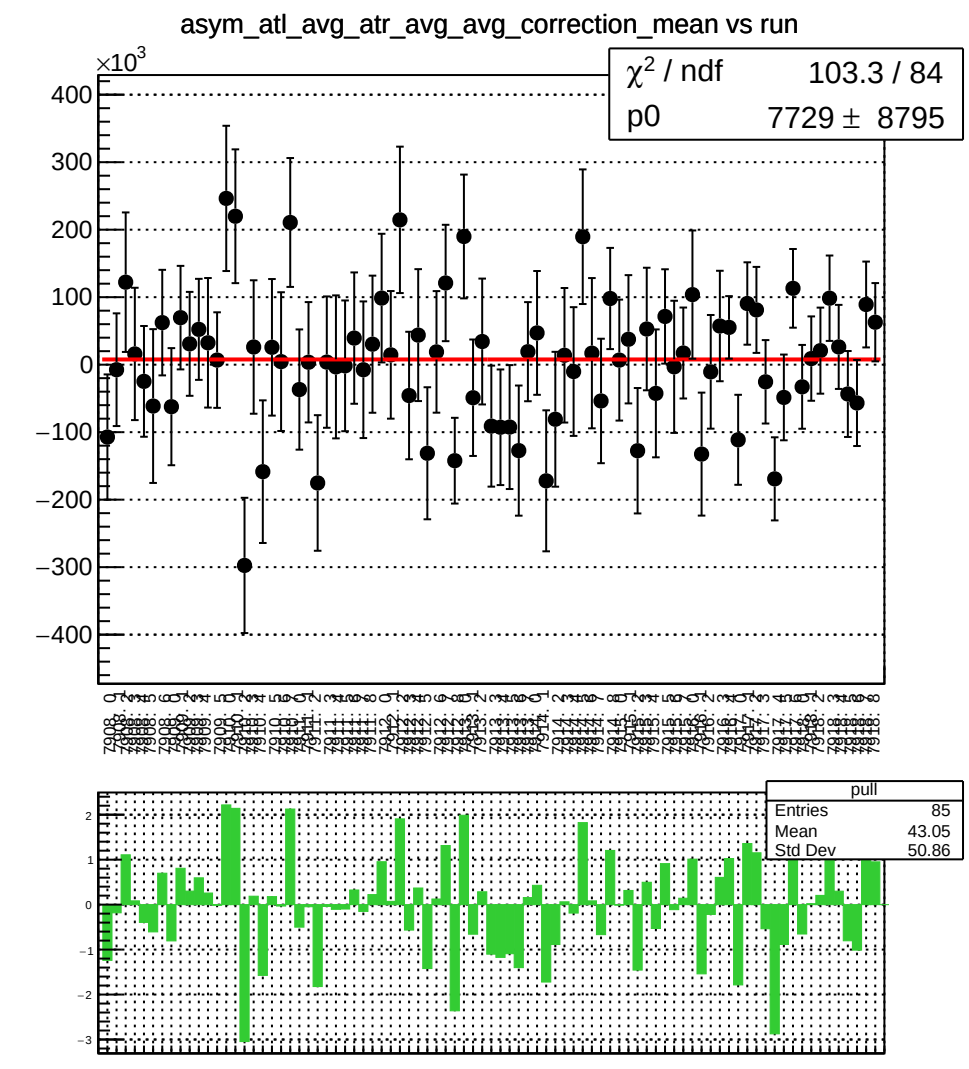

pull1D
Entries 85
Mean −0.01951
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

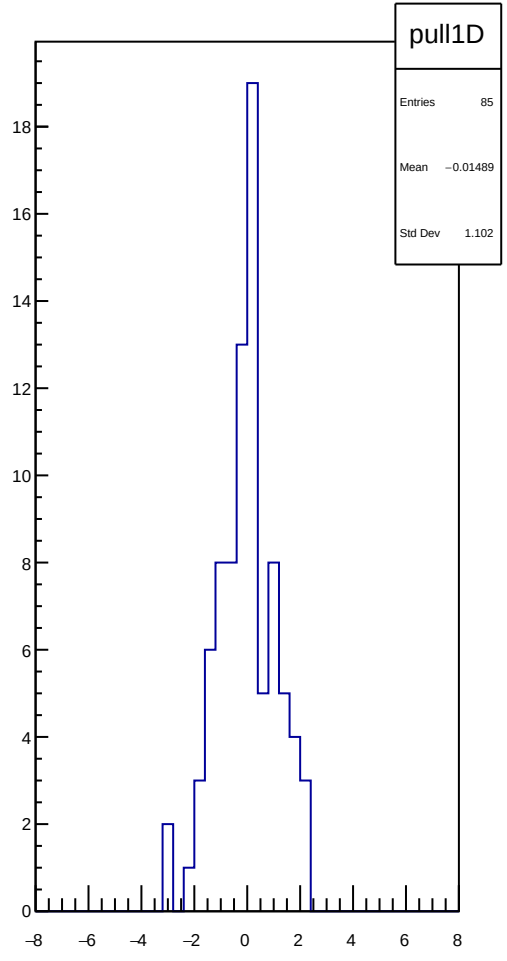

asym_atr1l2_dd_rms vs run
χ² / ndf 2.88e+04 / 84
p0 4998 ± 3.943
7500
7000
6500
6000
5500
5000
4500
4000

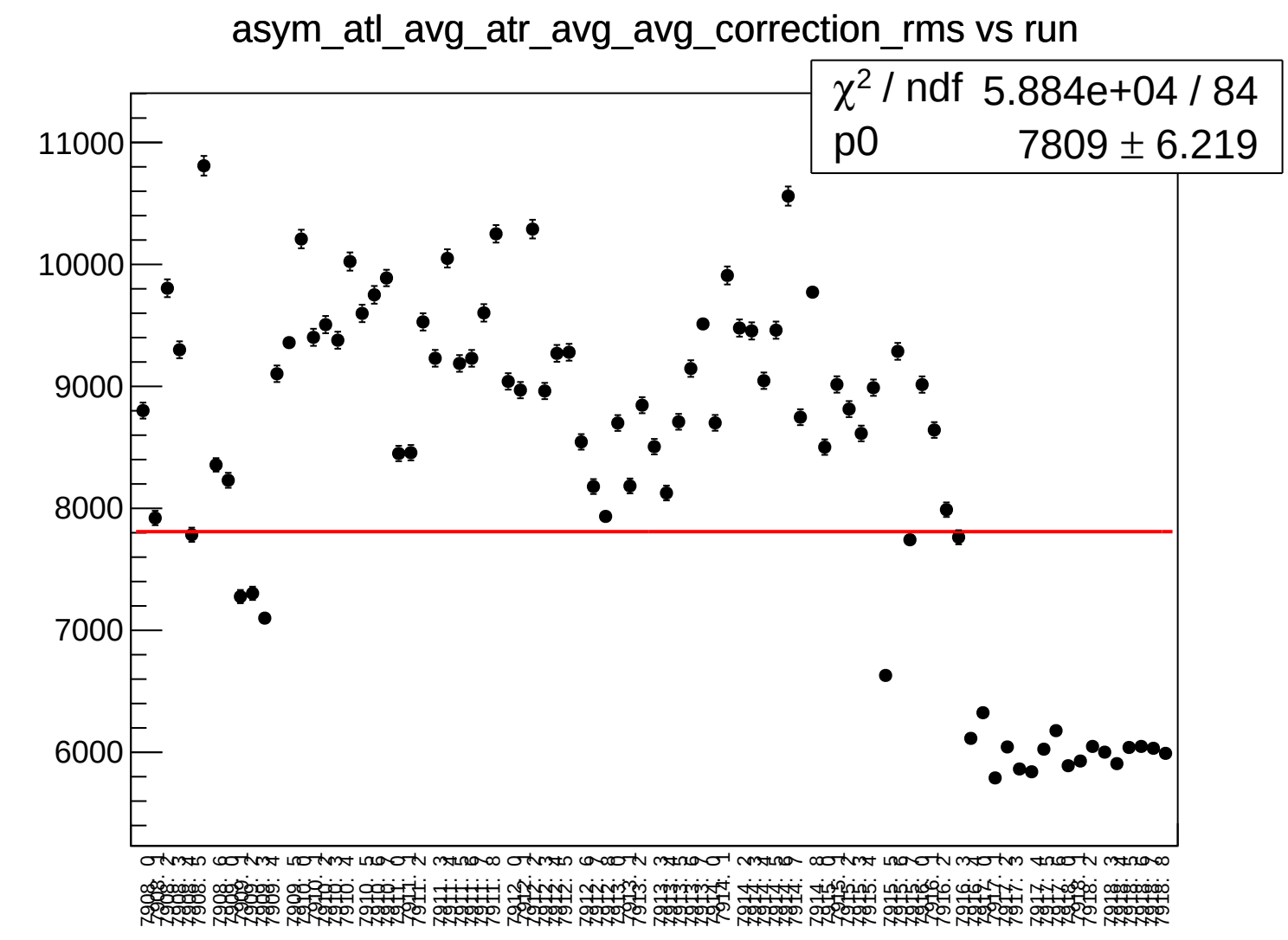

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 92.86 / 84
p0 −1966 ± 1487
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −29.36
Std Dev 21.12
3
2
1
0
−1
−2

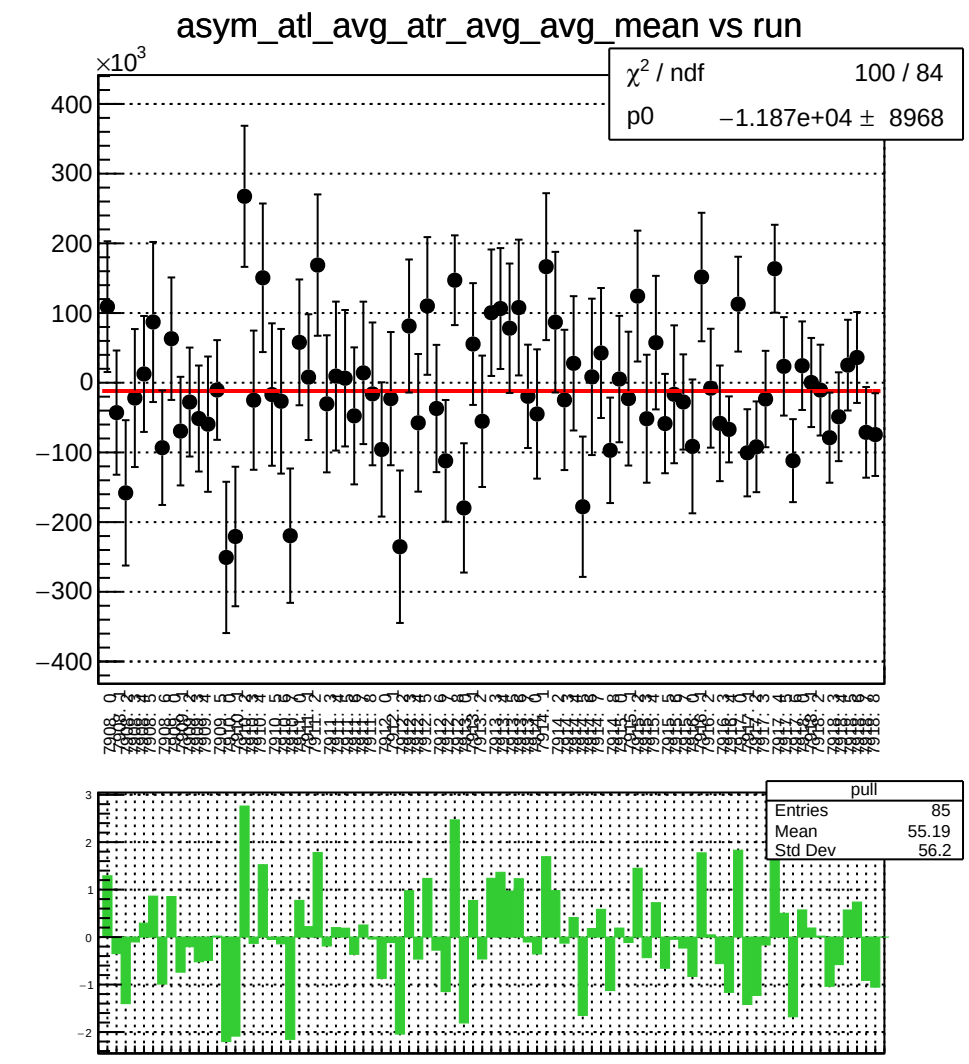

pull1D
Entries 85
Mean −0.02909
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

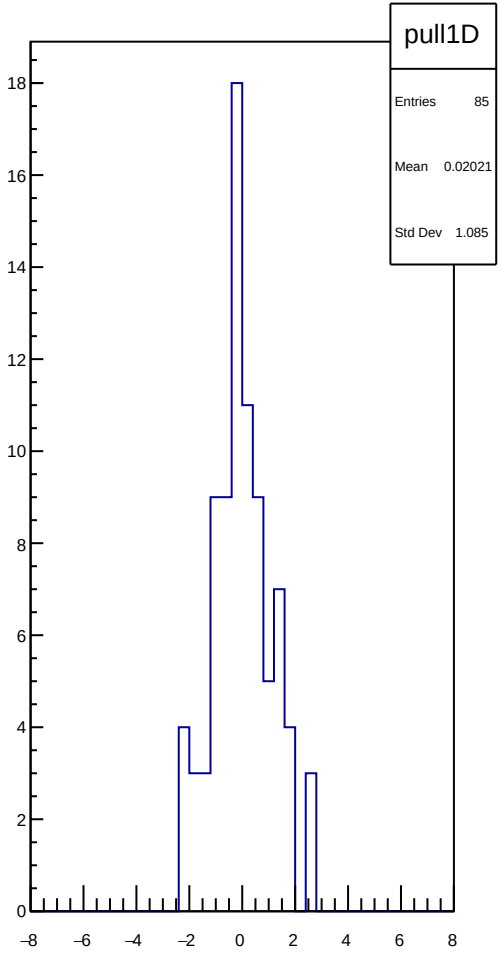

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.29e+04 / 84
p0 1335 ± 1.051
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

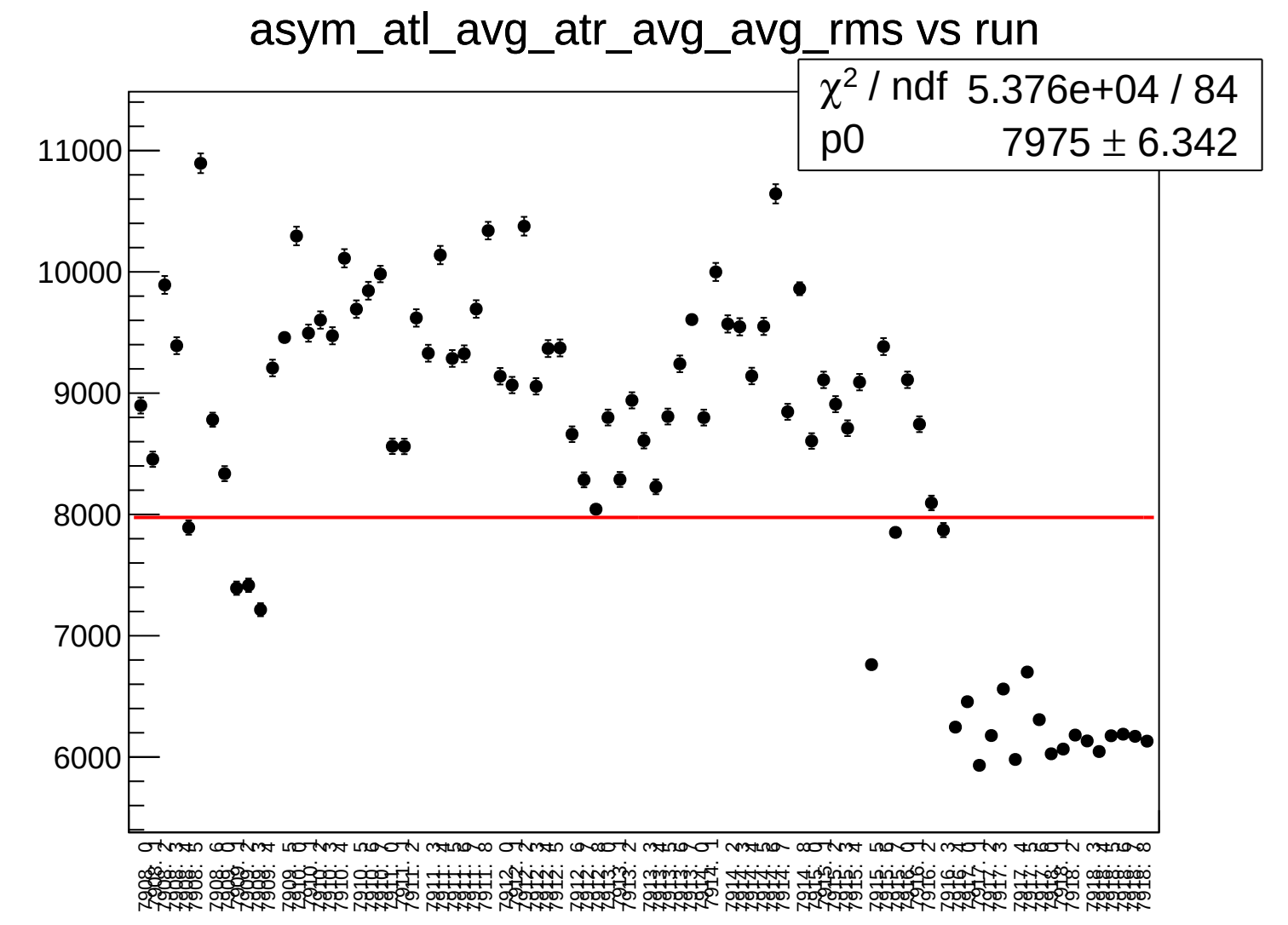

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 103.3 / 84
p0 7729 ± 8795
pull
Entries 85
Mean 43.05
Std Dev 50.86

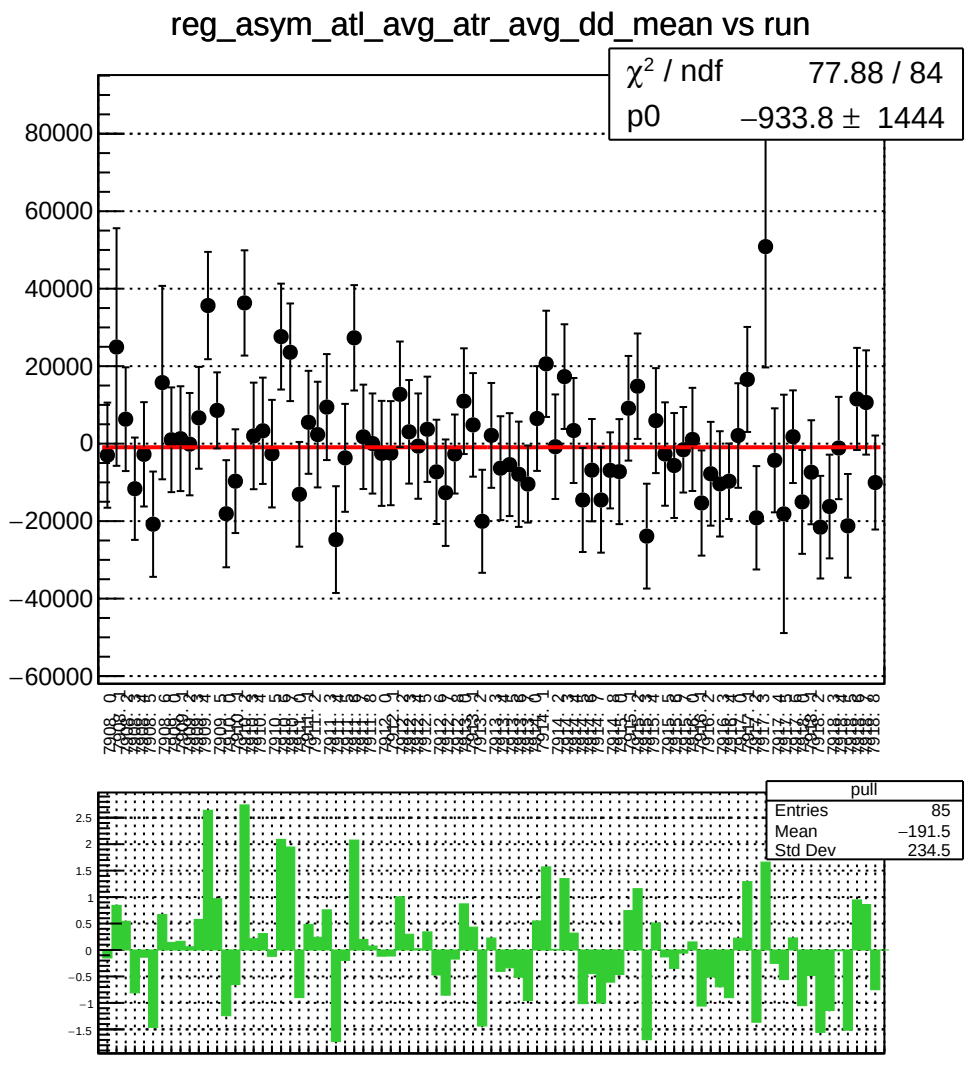

pull1D
Entries 85
Mean −0.01489
Std Dev 1.102

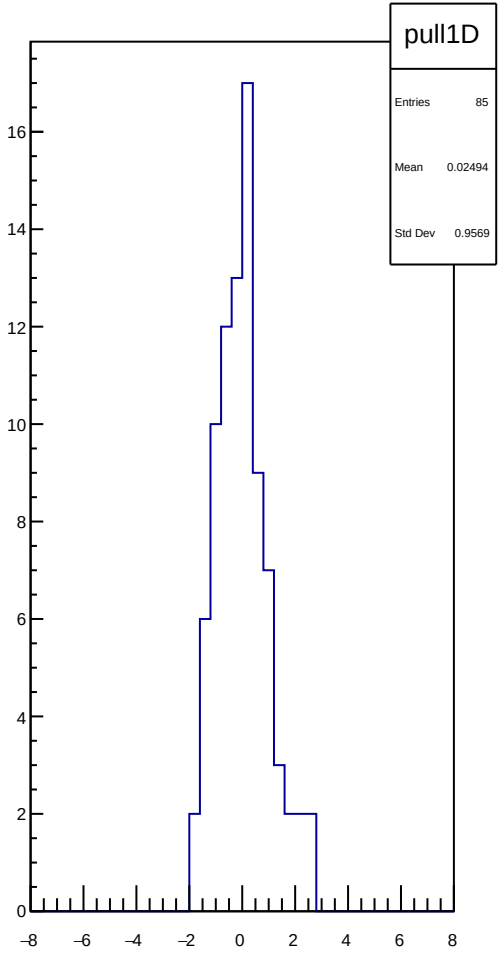

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5.884e+04 / 84
p0 7809 ± 6.219
11000
10000
9000
8000
7000
6000

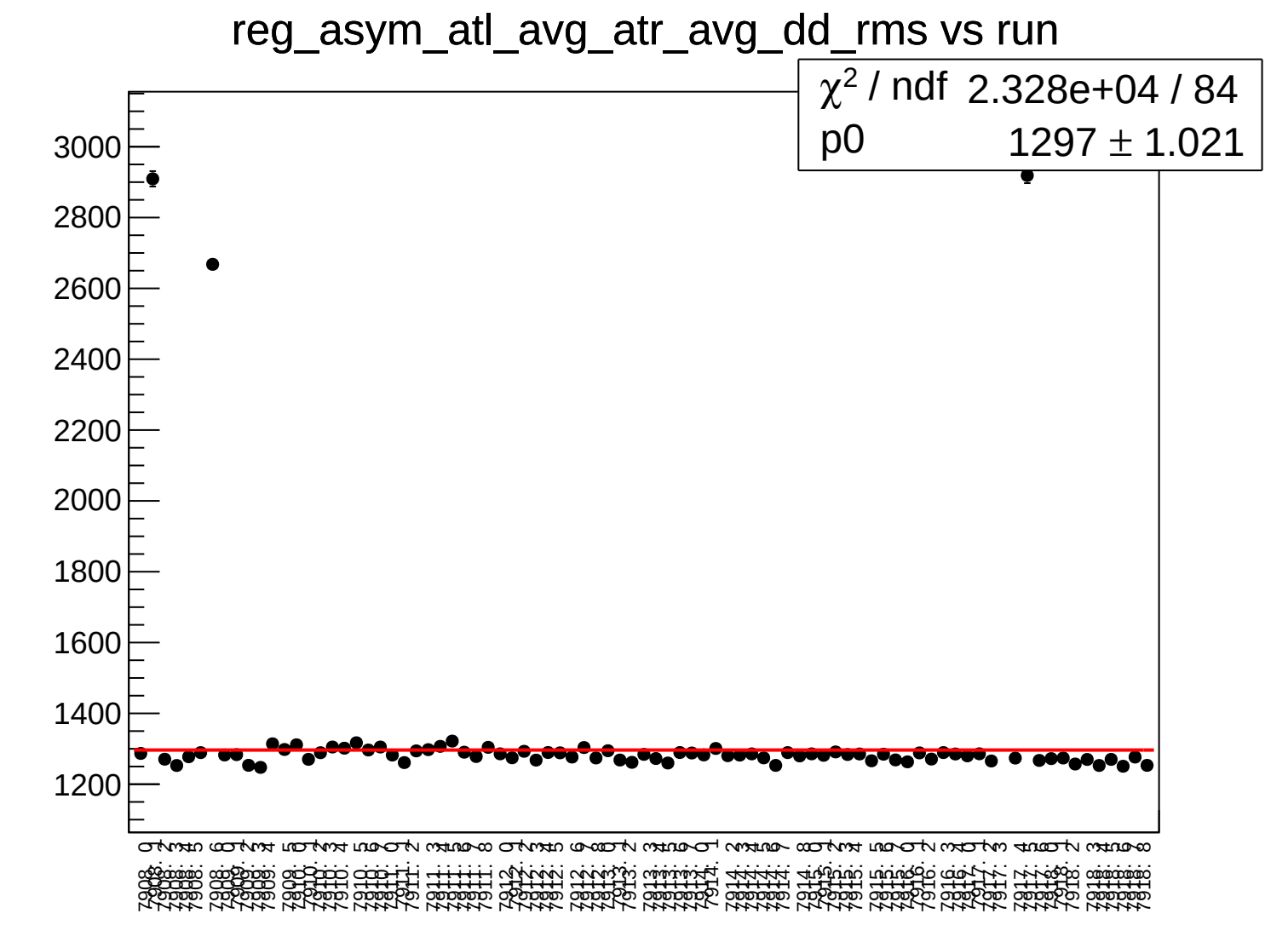

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 100 / 84
p0 −1.187e+04 ± 8968
pull
Entries 85
Mean 55.19
Std Dev 56.2

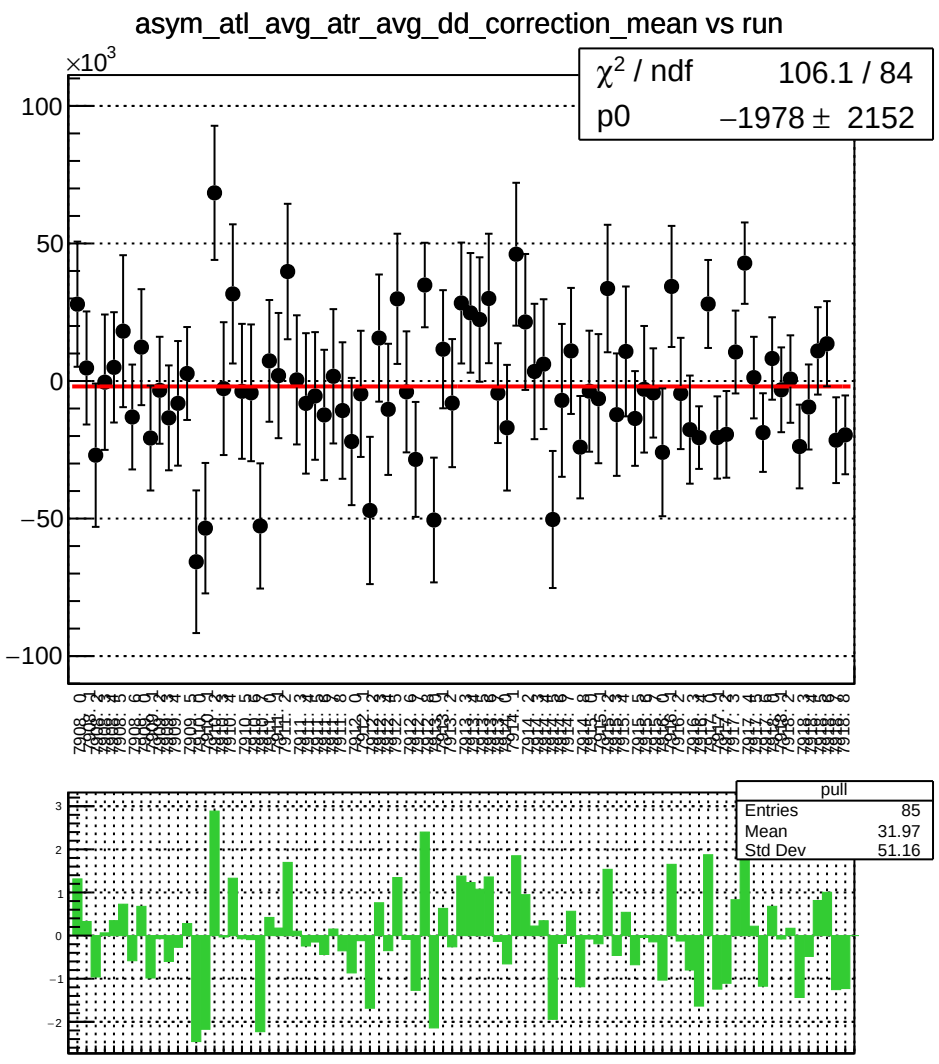

pull1D
Entries 85
Mean 0.02021
Std Dev 1.085

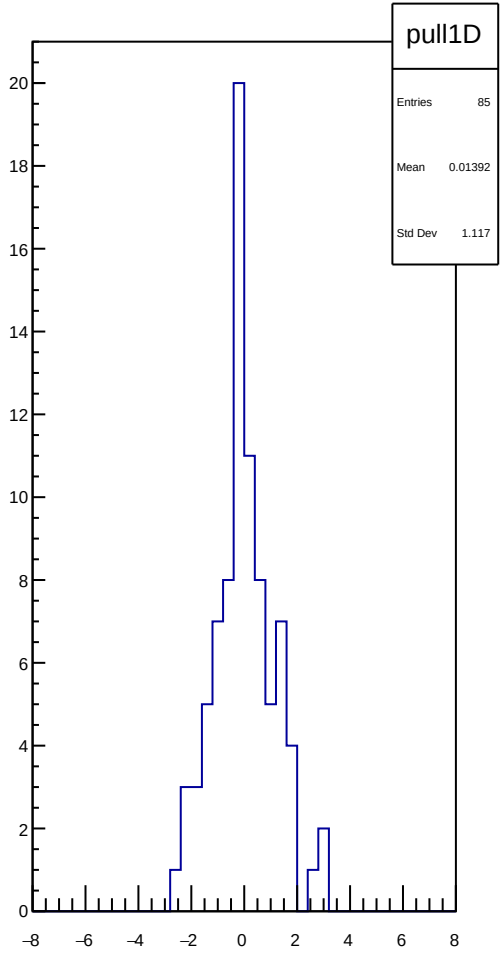

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 5.376e+04 / 84
p0 7975 ± 6.342
11000
10000
9000
8000
7000
6000

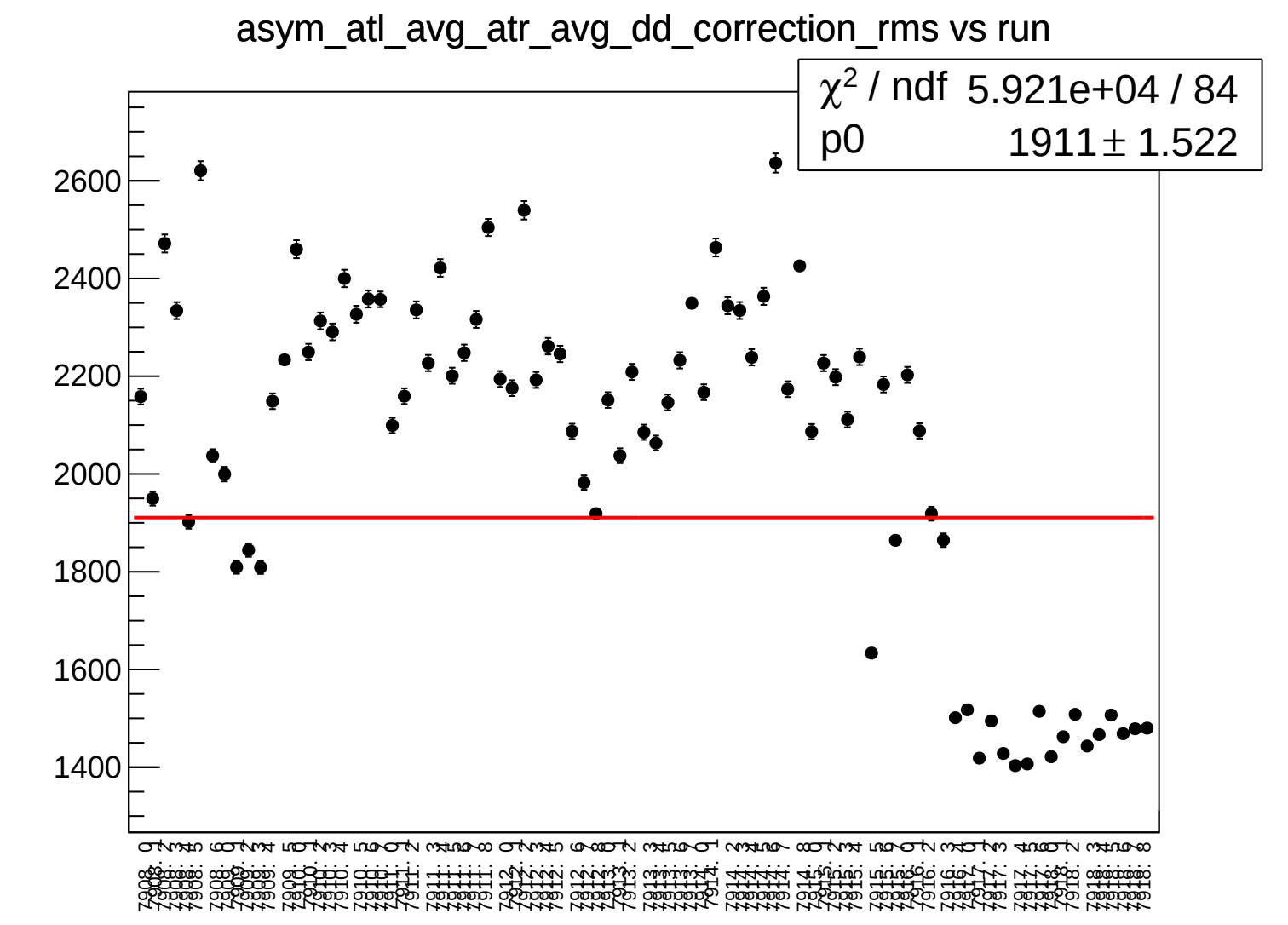

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.88 / 84
p0 −933.8 ± 1444
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −191.5
Std Dev 234.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

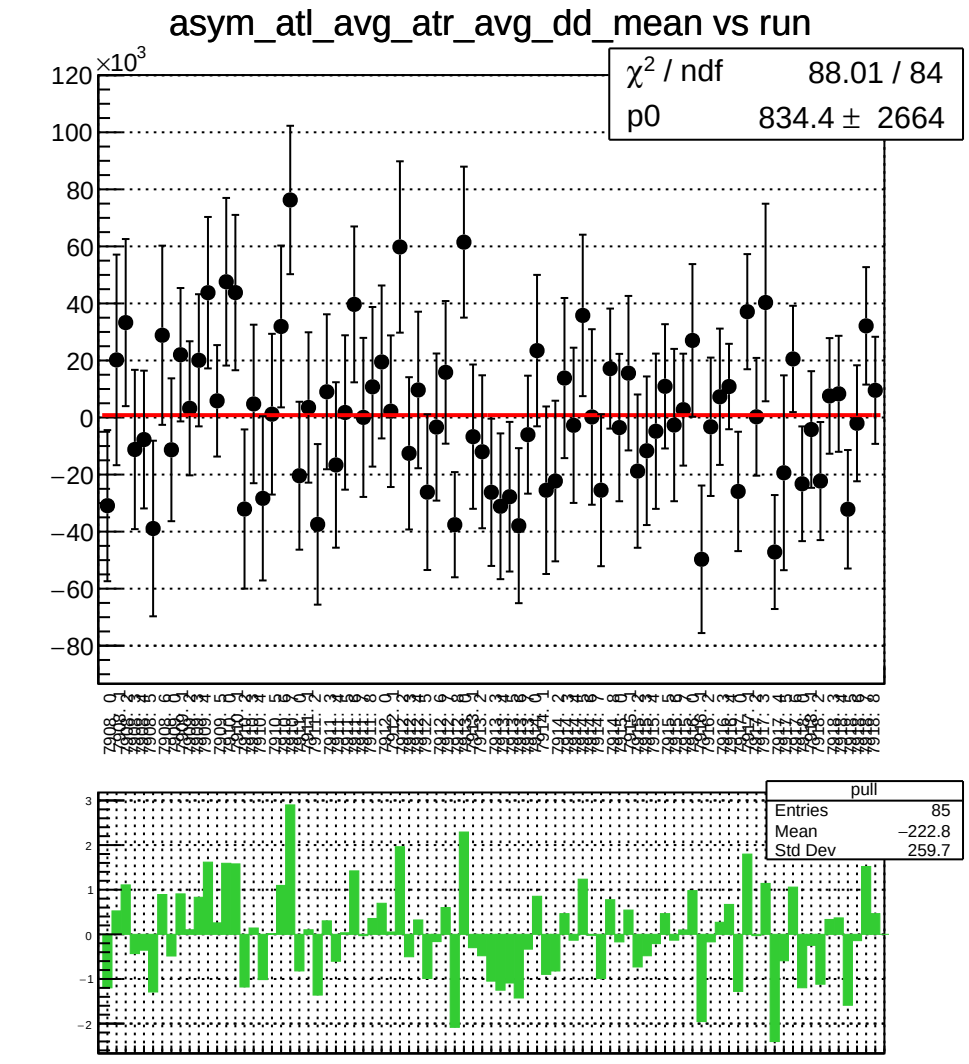

pull1D
Entries 85
Mean 0.02494
Std Dev 0.9569
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

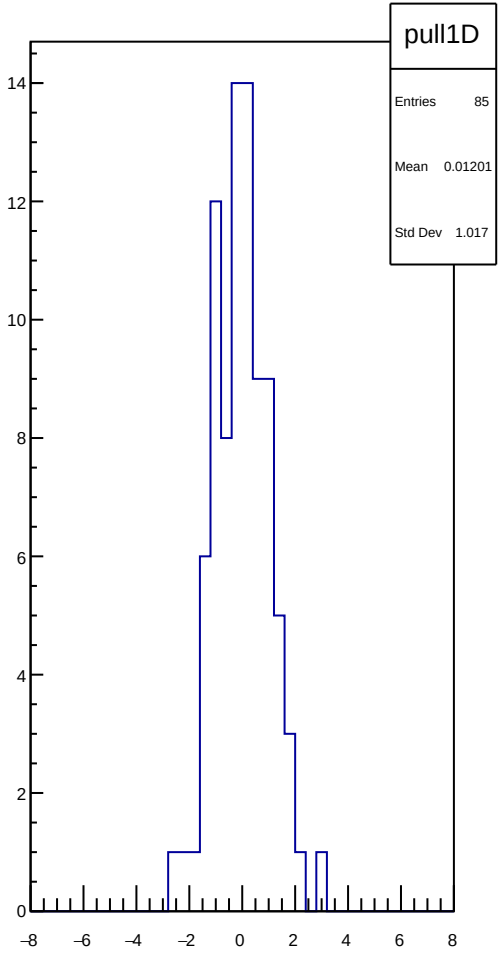

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.328e+04 / 84
p0 1297 ± 1.021
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

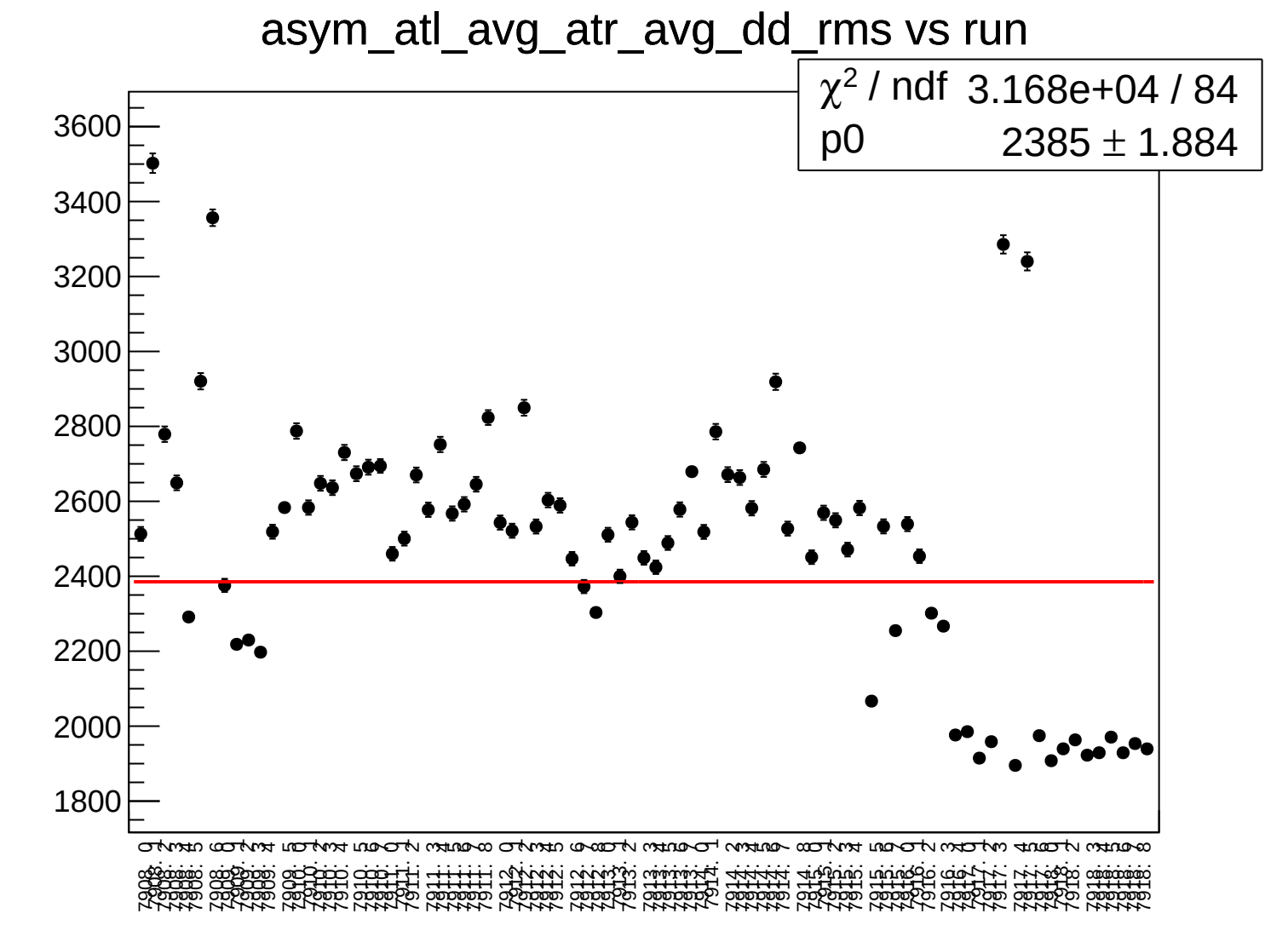

asym_atl_avg_atr_avg_dd_correction_mean vs run
×10^3
χ² / ndf 106.1 / 84
p0 −1978 ± 2152
100
50
0
−50
−100
pull
Entries 85
Mean 31.97
Std Dev 51.16
3
2
1
0
−1
−2

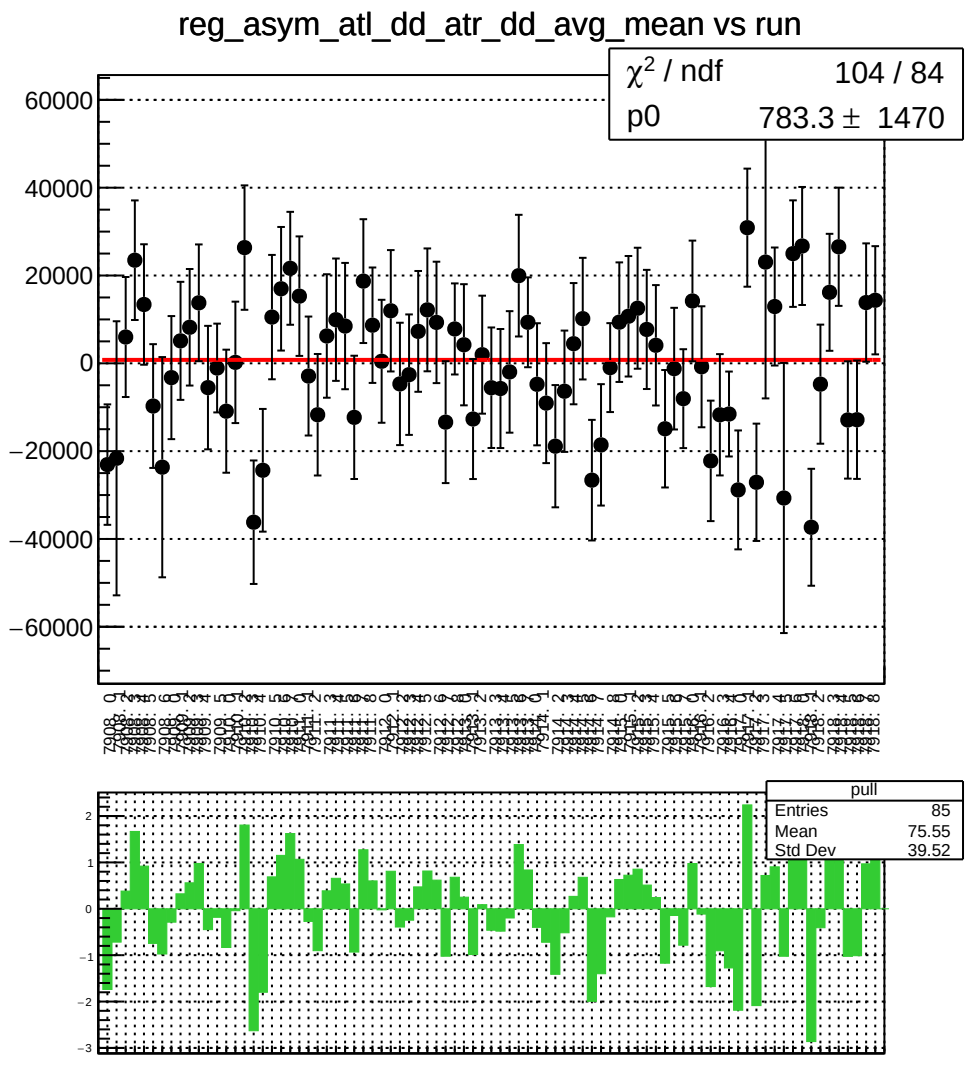

pull1D
Entries 85
Mean 0.01392
Std Dev 1.117
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

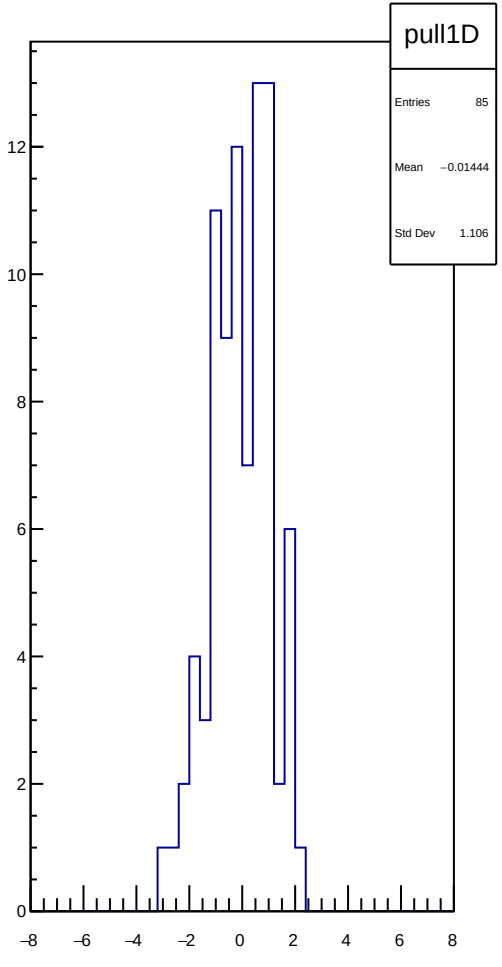

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 5.921e+04 / 84
p0 1911 ± 1.522
2600
2400
2200
2000
1800
1600
1400

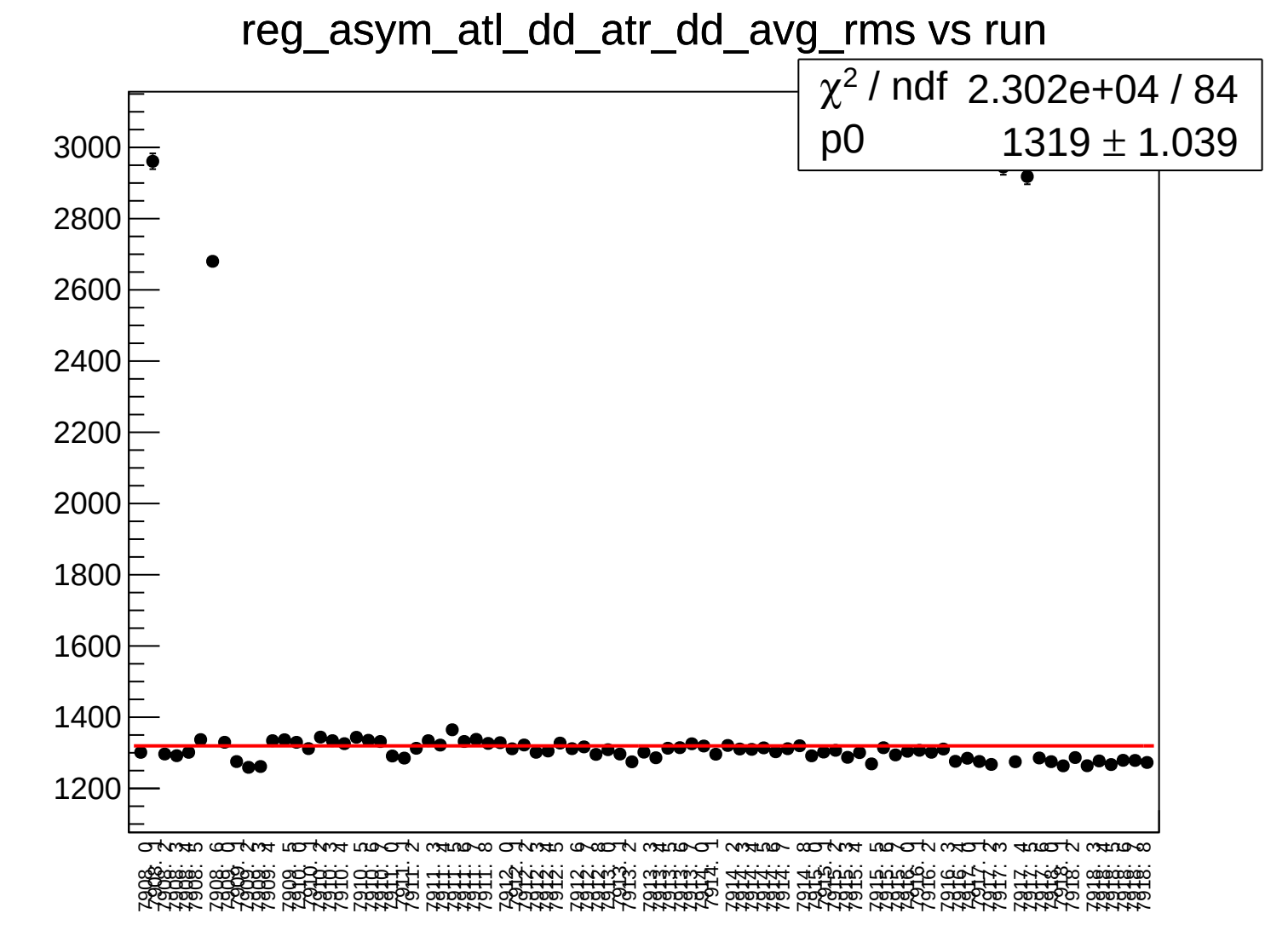

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.01 / 84
p0 834.4 ± 2664
×10³
pull
Entries 85
Mean −222.8
Std Dev 259.7

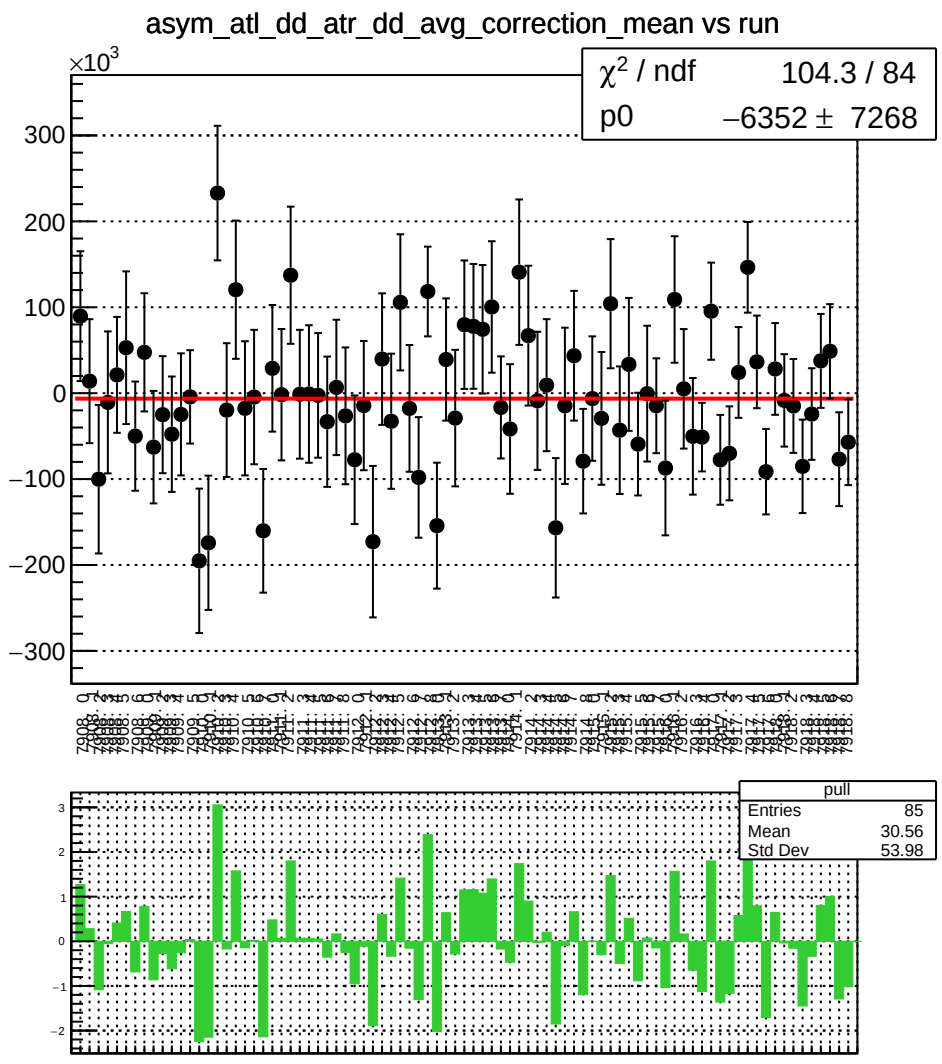

pull1D
Entries 85
Mean 0.01201
Std Dev 1.017

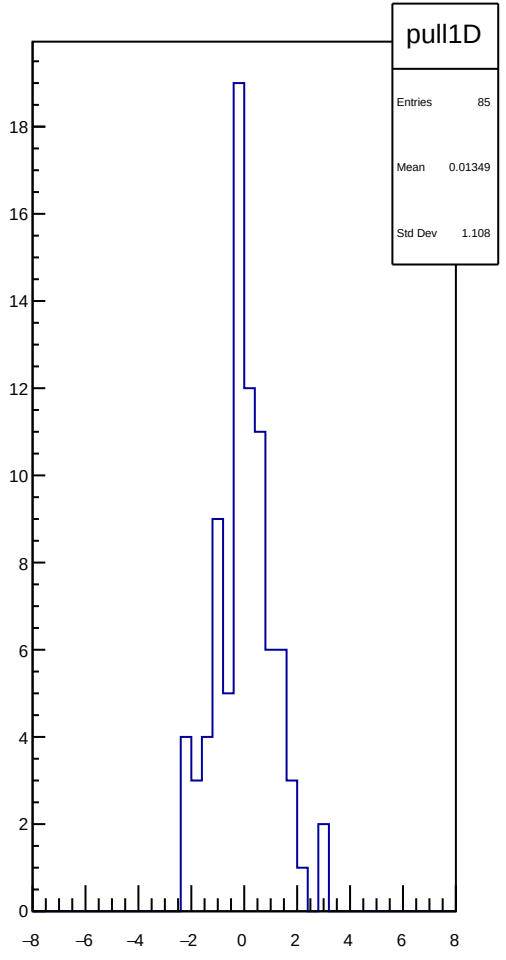

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 3.168e+04 / 84
p0 2385 ± 1.884
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

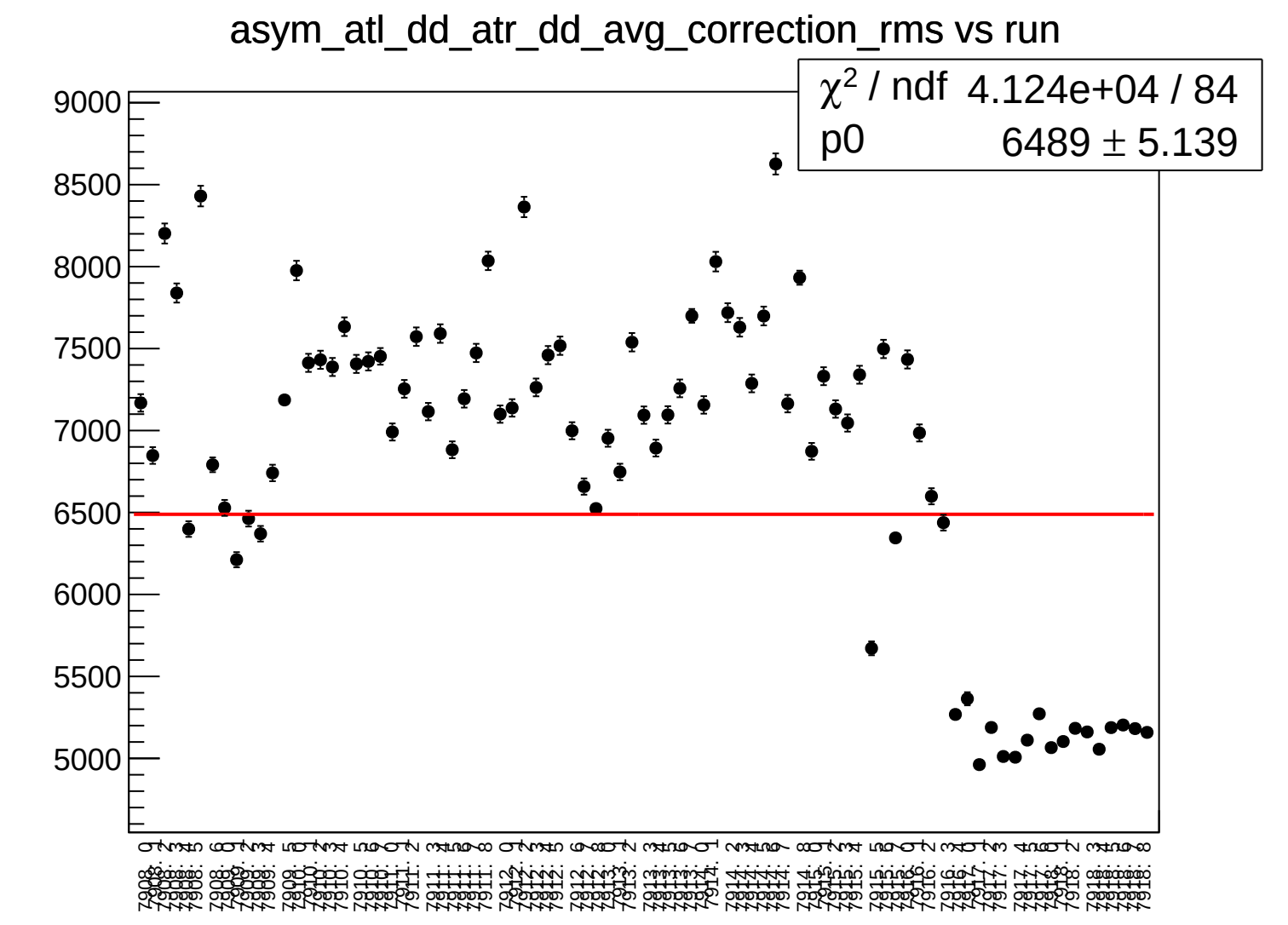

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 104 / 84
p0 783.3 ± 1470
pull
Entries 85
Mean 75.55
Std Dev 39.52

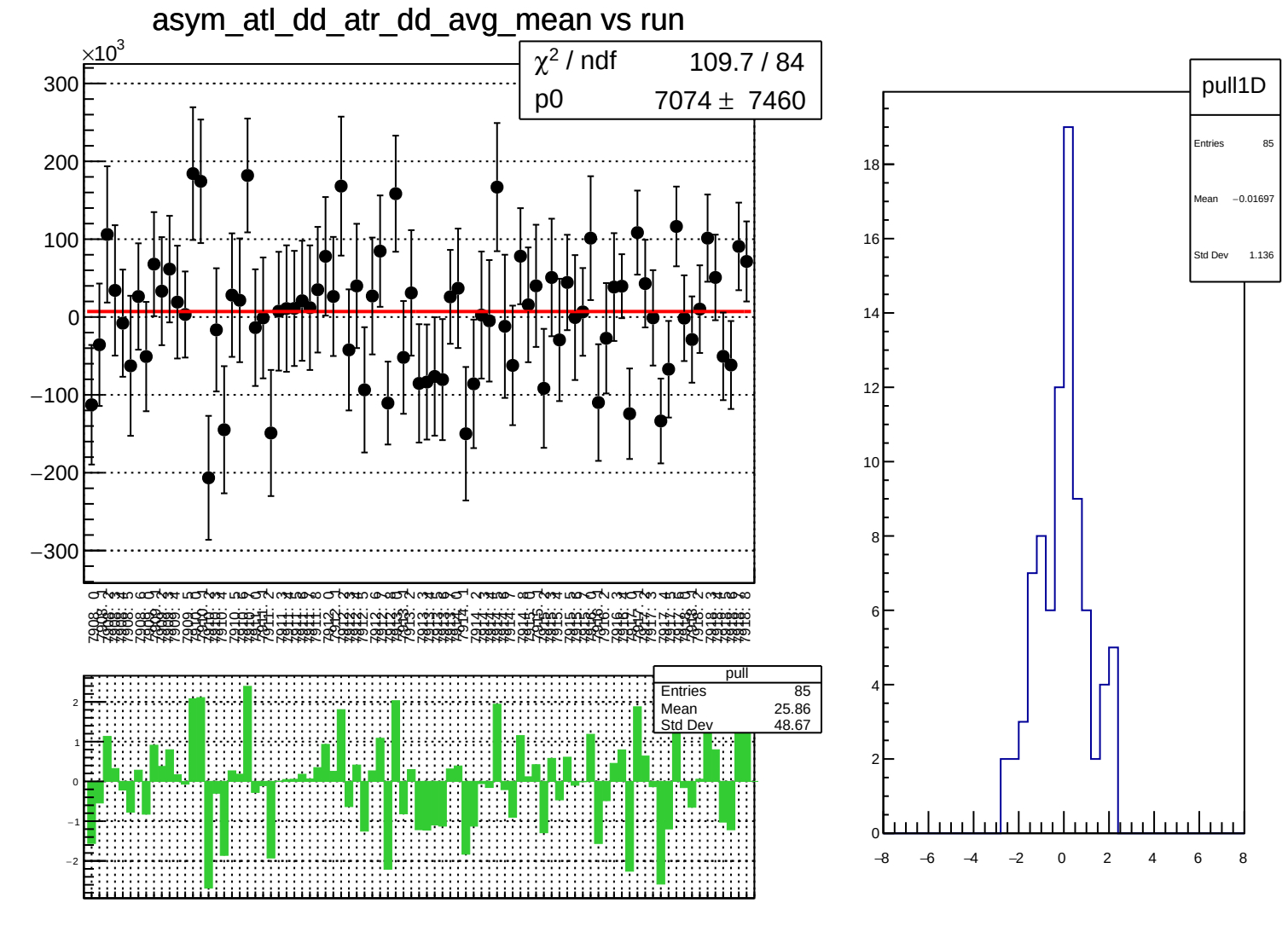

pull1D
Entries 85
Mean −0.01444
Std Dev 1.106

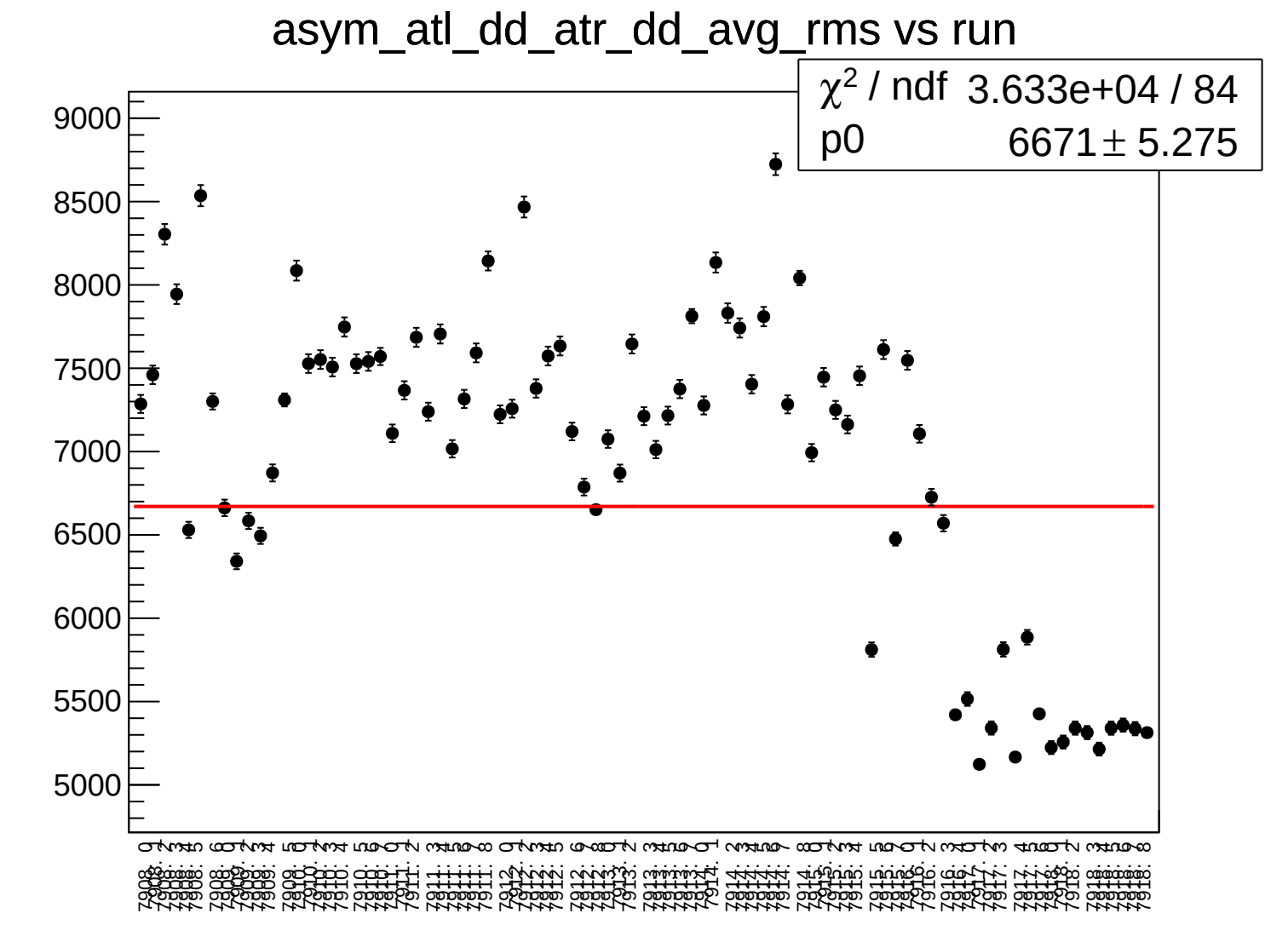

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.302e+04 / 84
p0 1319 ± 1.039
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

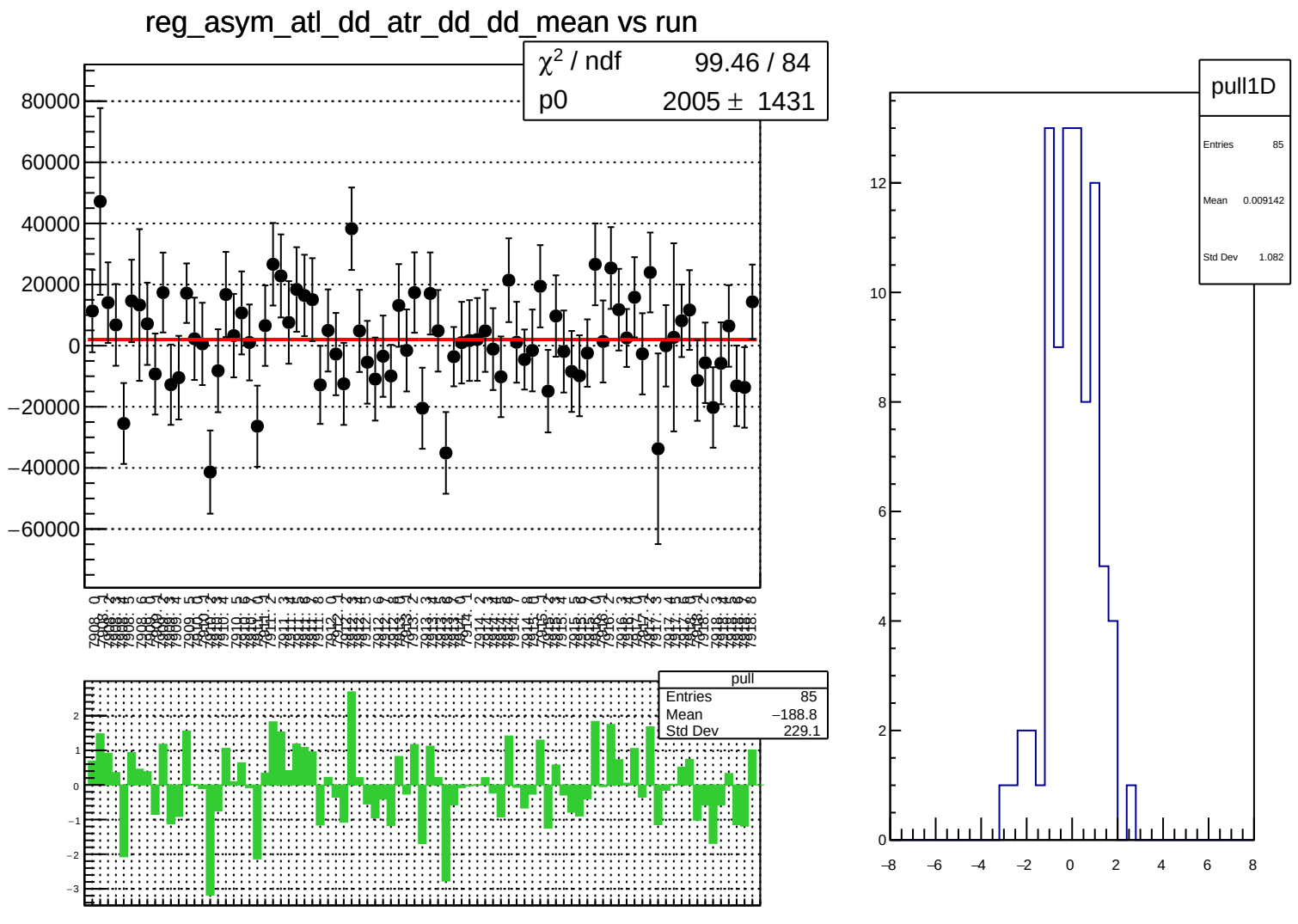

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 104.3 / 84
p0 −6352 ± 7268
300
200
100
0
−100
−200
−300
pull
Entries 85
Mean 30.56
Std Dev 53.98
3
2
1
0
−1
−2

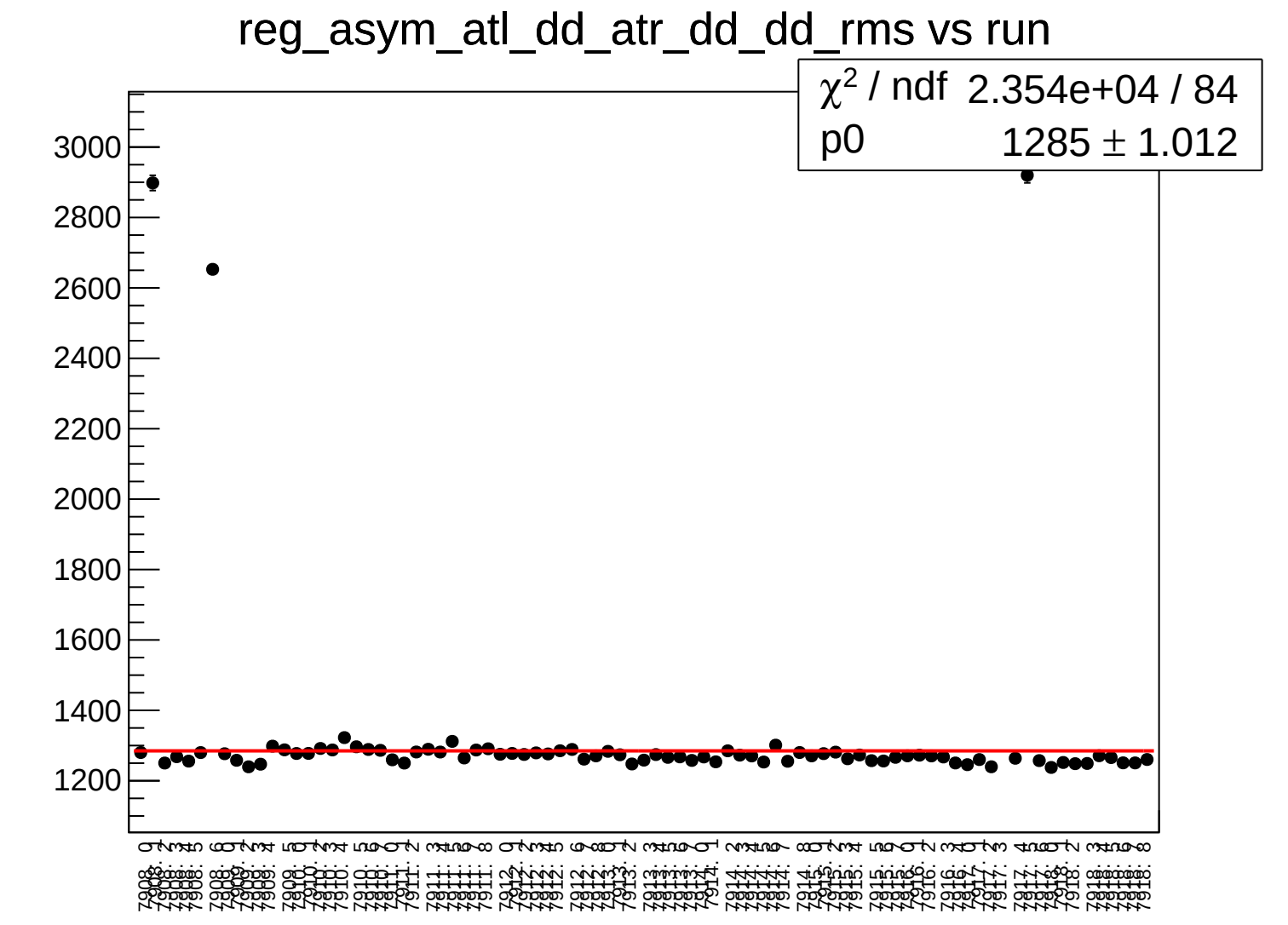

pull1D
Entries 85
Mean 0.01349
Std Dev 1.108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

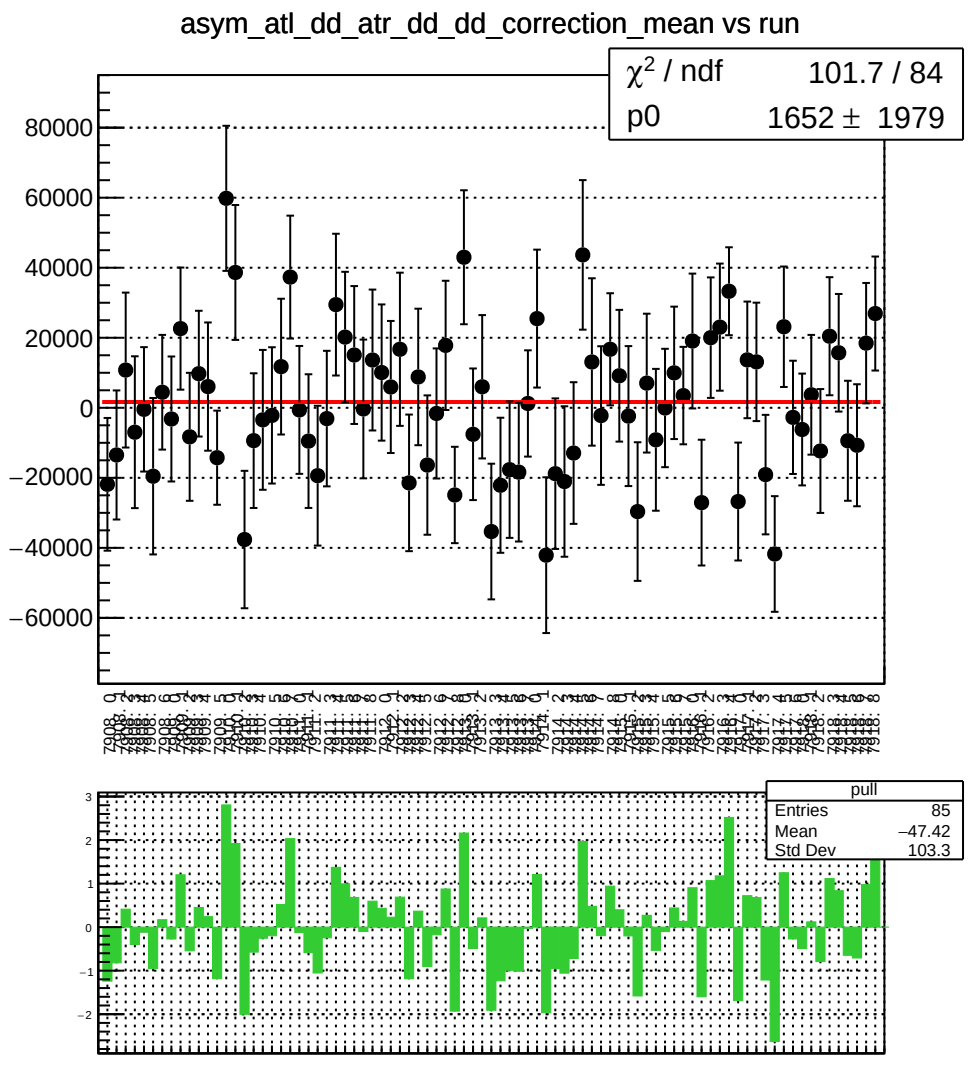

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 4.124e+04 / 84
p0 6489 ± 5.139
9000
8500
8000
7500
7000
6500
6000
5500
5000

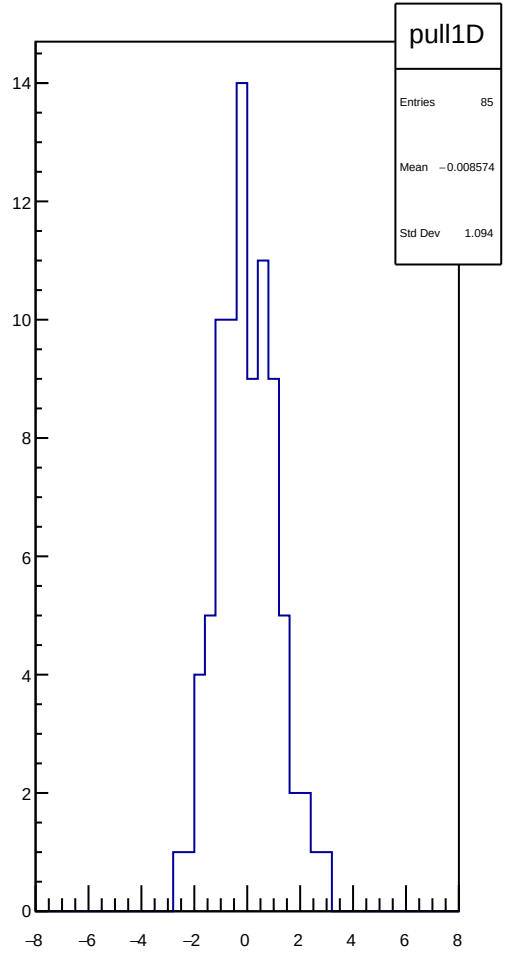

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 109.7 / 84
p0 7074 ± 7460
pull
Entries 85
Mean 25.86
Std Dev 48.67
pull1D
Entries 85
Mean −0.01697
Std Dev 1.136

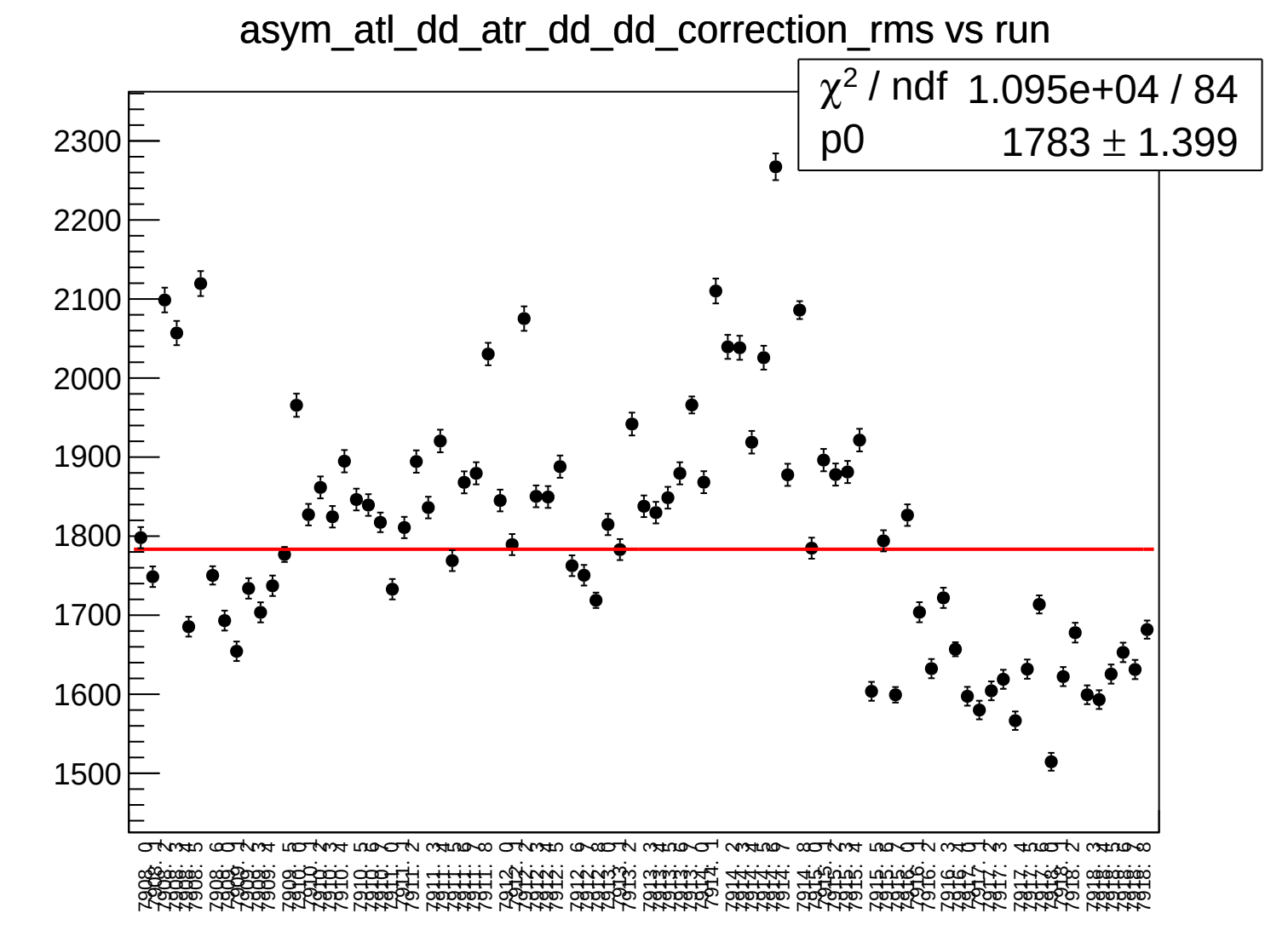

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3.633e+04 / 84
p0 6671 ± 5.275
9000
8500
8000
7500
7000
6500
6000
5500
5000

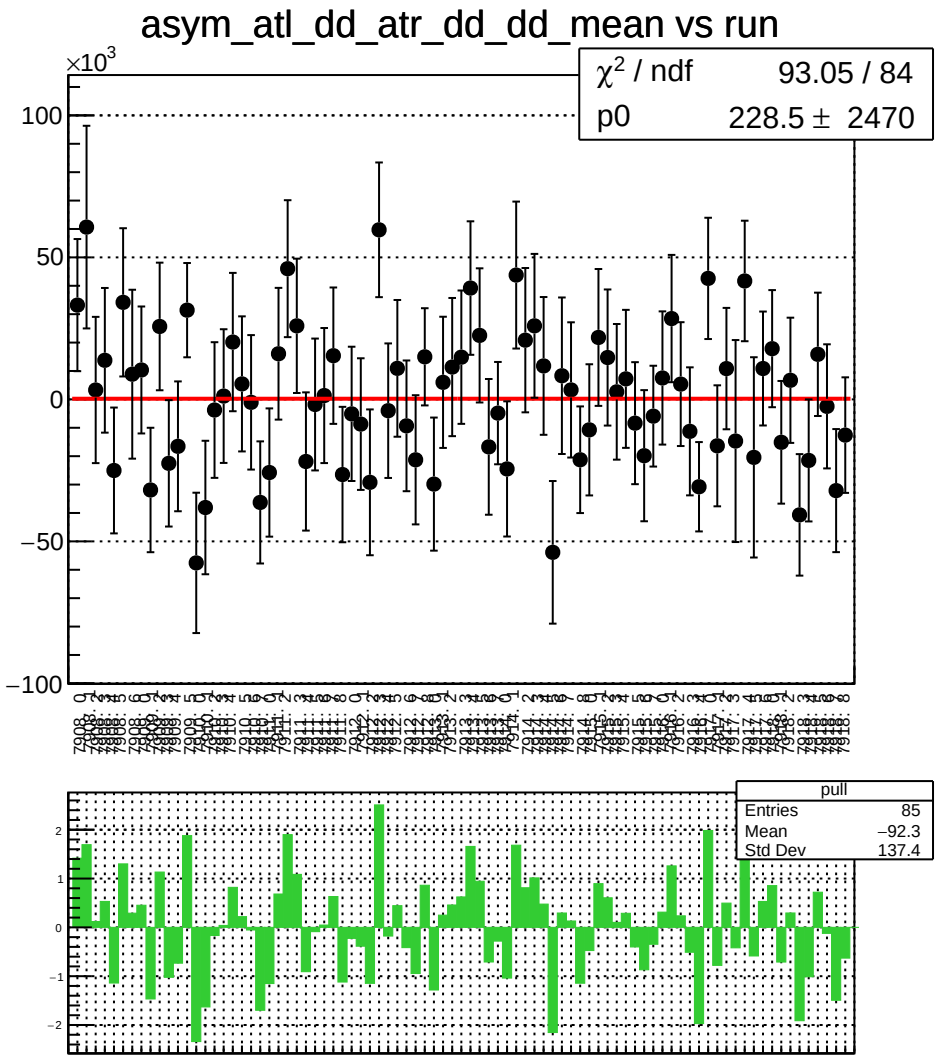

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 99.46 / 84
p0 2005 ± 1431
pull
Entries 85
Mean −188.8
Std Dev 229.1
pull1D
Entries 85
Mean 0.009142
Std Dev 1.082

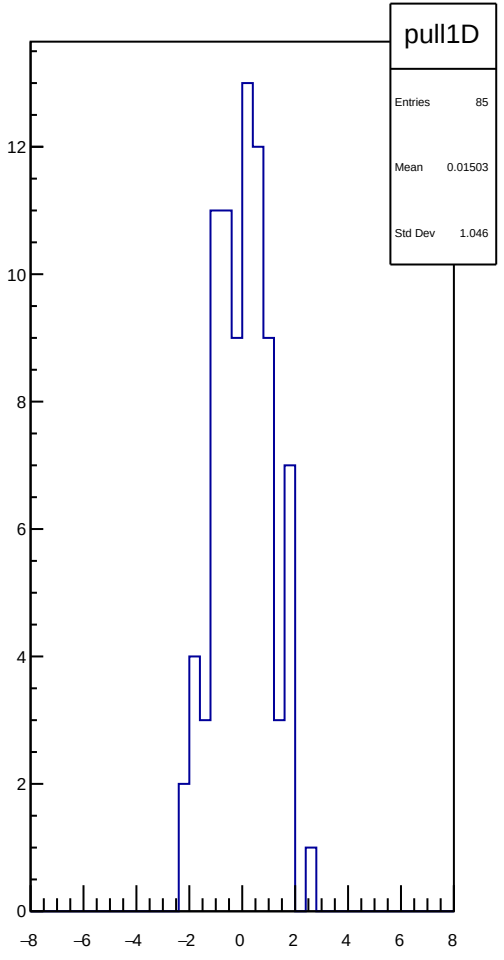

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 2.354e+04 / 84
p0 1285 ± 1.012
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

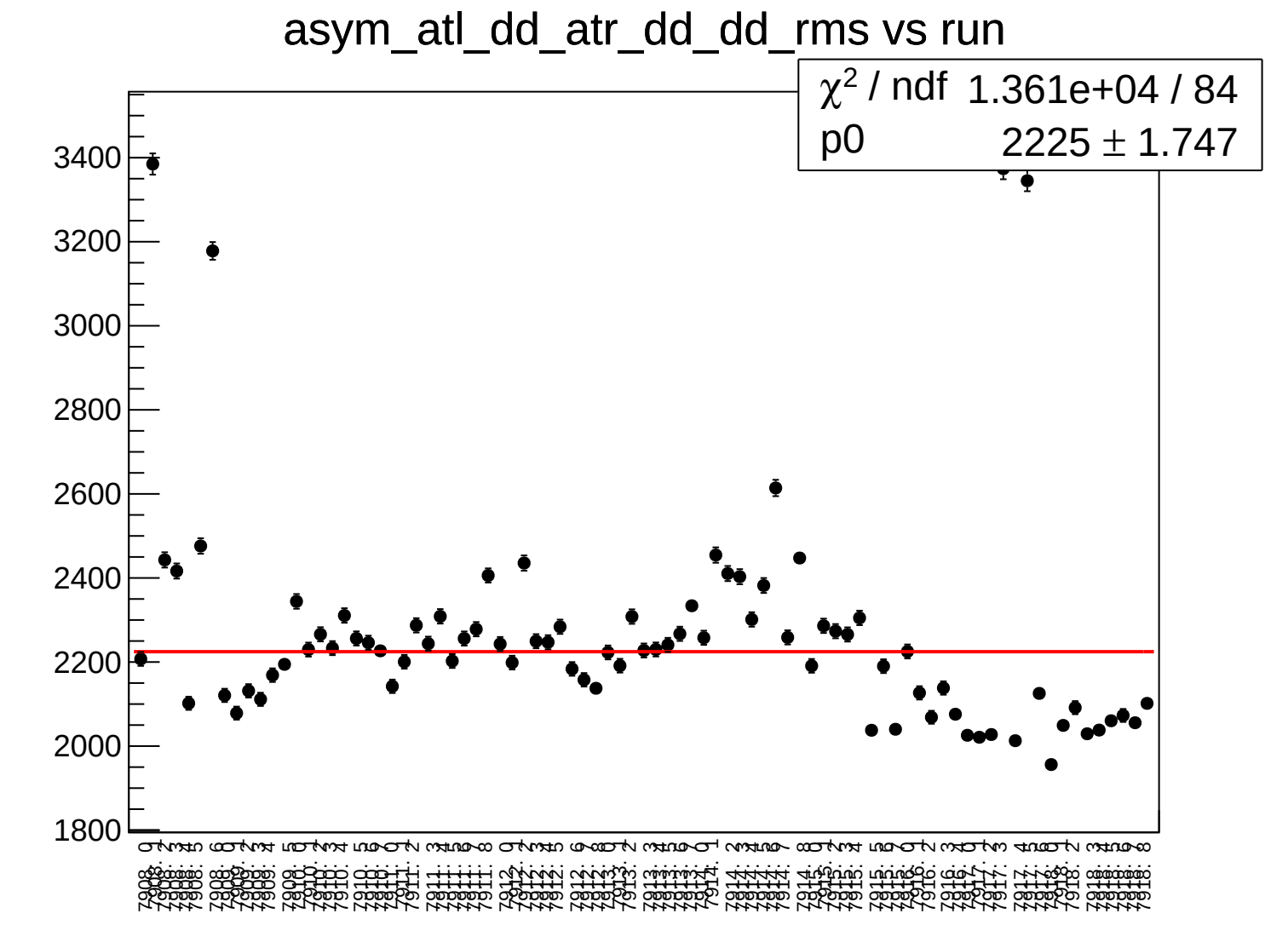

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 101.7 / 84
p0 1652 ± 1979
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −47.42
Std Dev 103.3
3
2
1
0
−1
−2

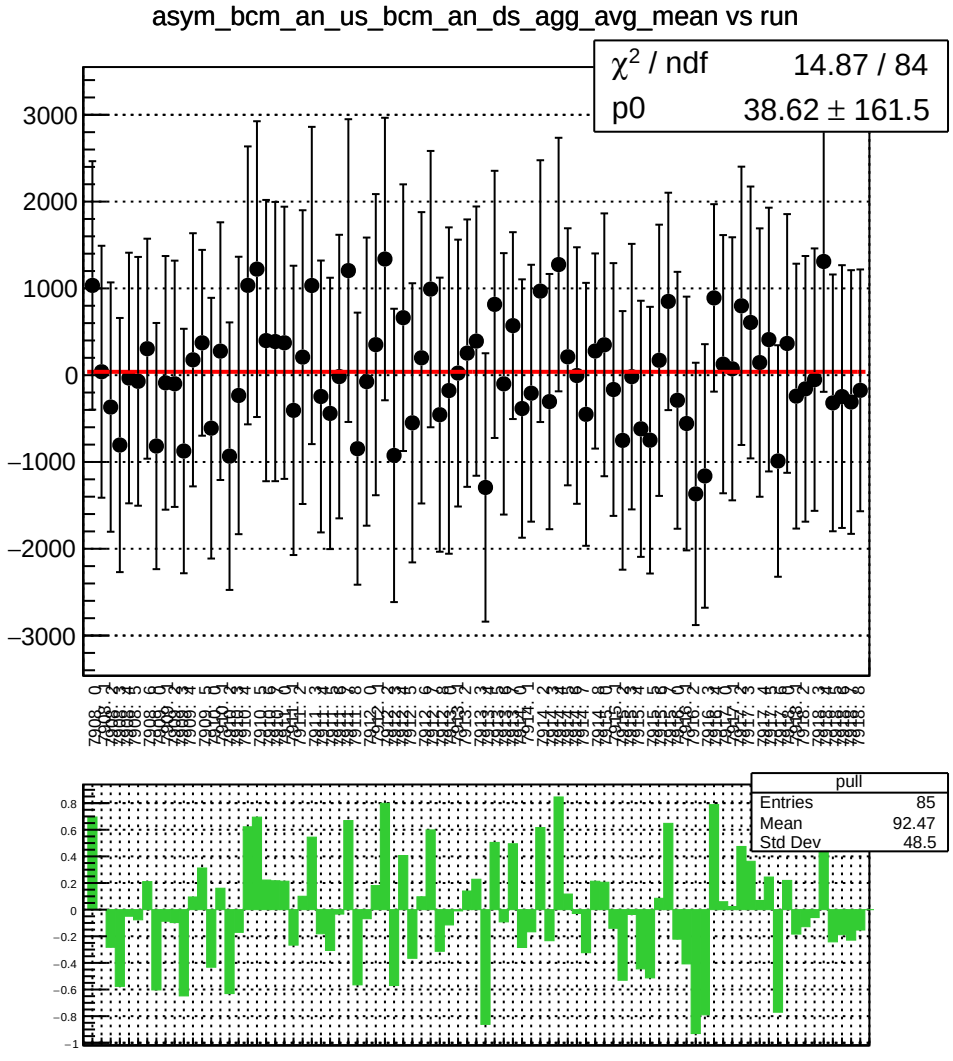

pull1D
Entries 85
Mean −0.008574
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

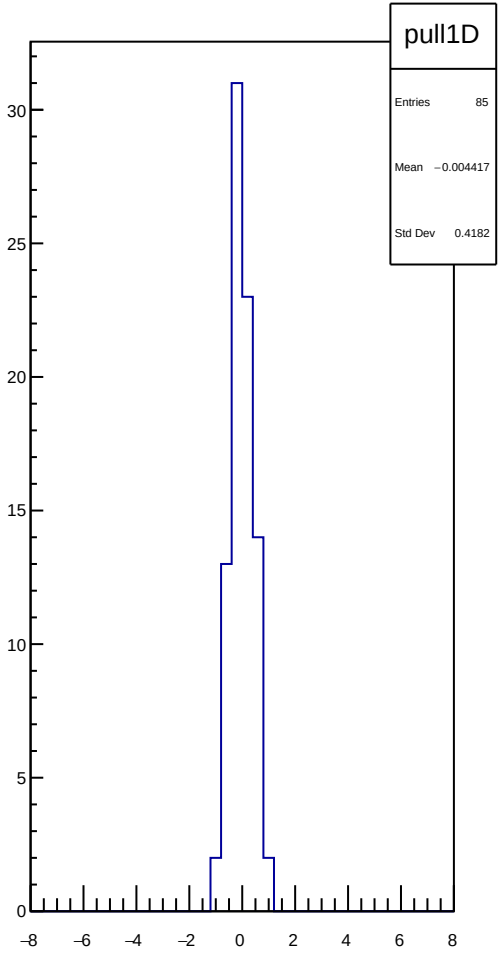

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.095e+04 / 84
p0 1783 ± 1.399
2300
2200
2100
2000
1900
1800
1700
1600
1500

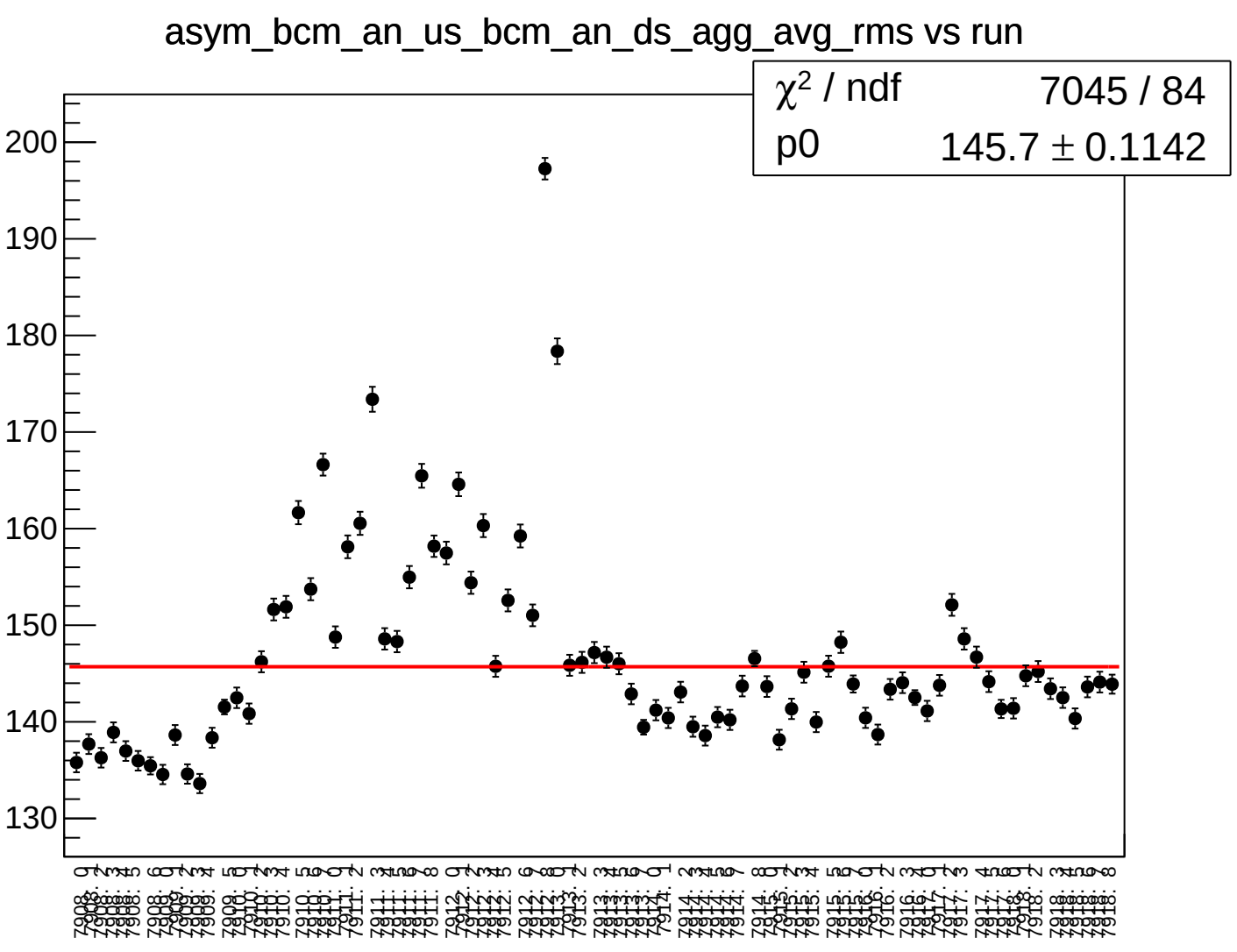

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 93.05 / 84
p0 228.5 ± 2470
100
50
0
−50
−100
pull
Entries 85
Mean −92.3
Std Dev 137.4
2
1
0
−1
−2

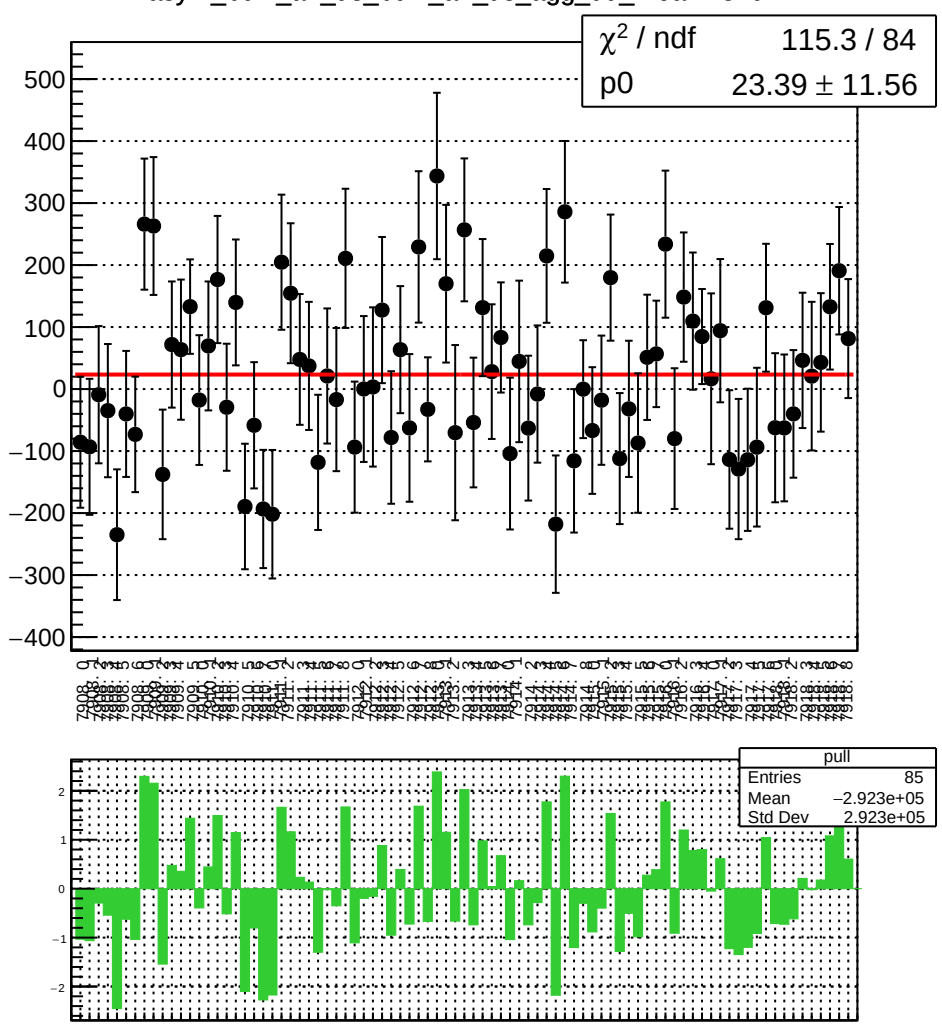

pull1D
Entries 85
Mean 0.01503
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

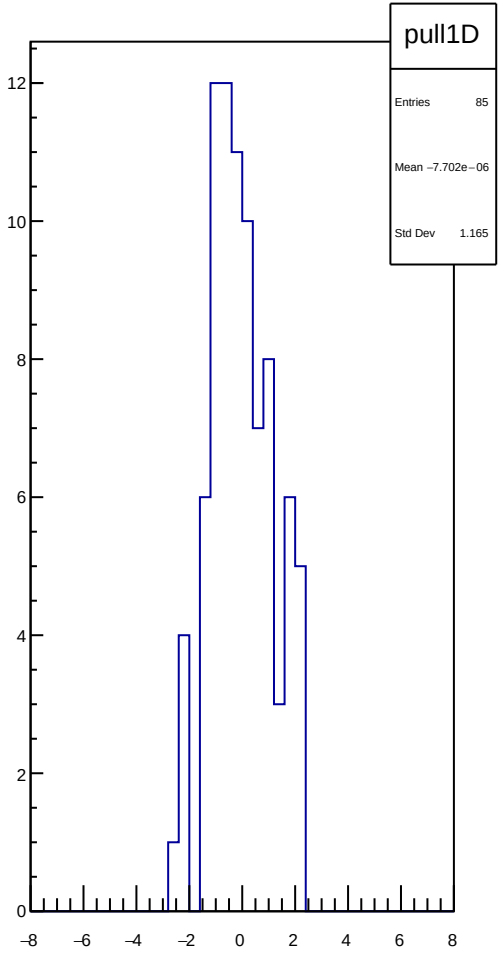

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.361e+04 / 84
p0 2225 ± 1.747
3400
3200
3000
2800
2600
2400
2200
2000
1800

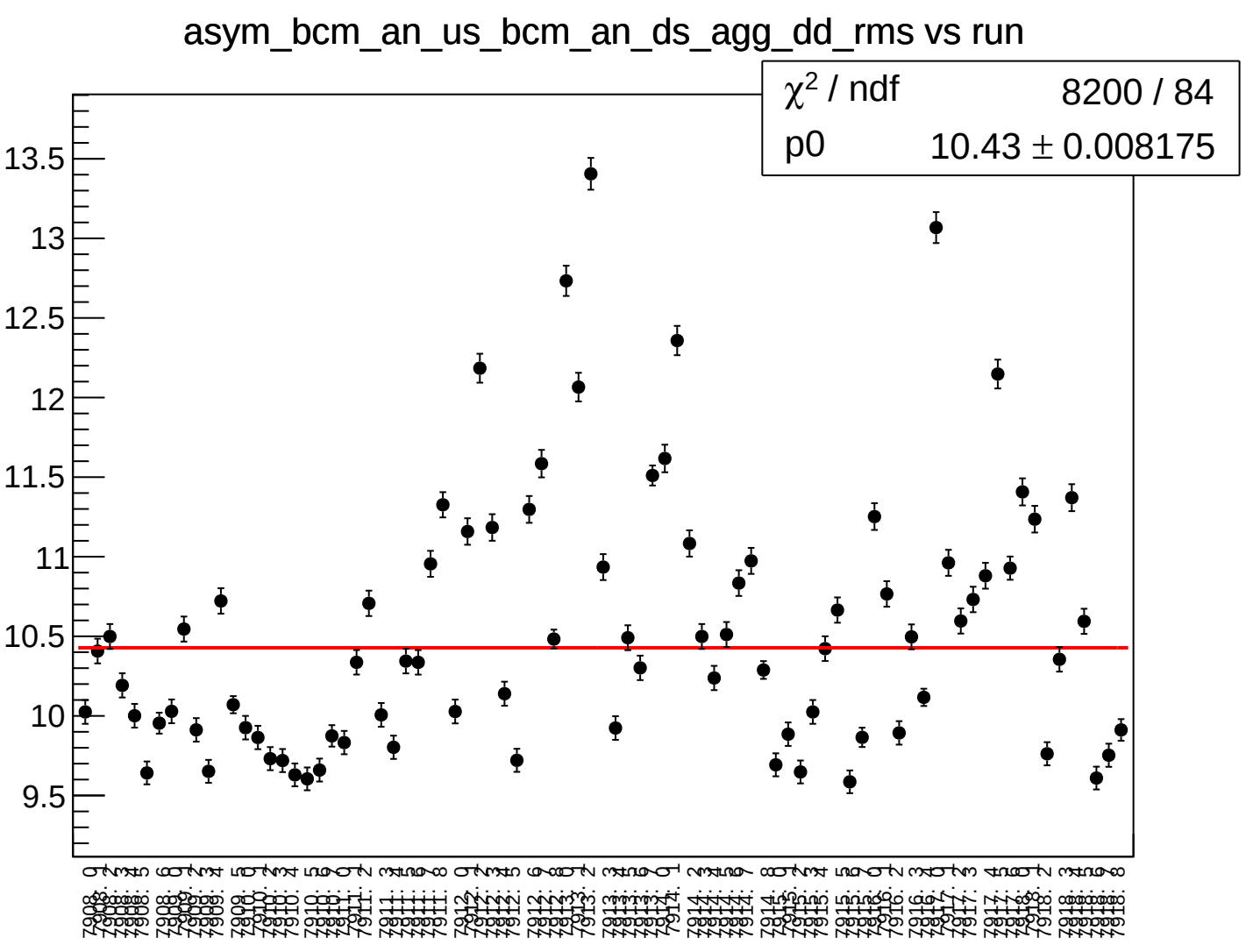

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.87 / 84
p0 38.62 ± 161.5
pull
Entries 85
Mean 92.47
Std Dev 48.5

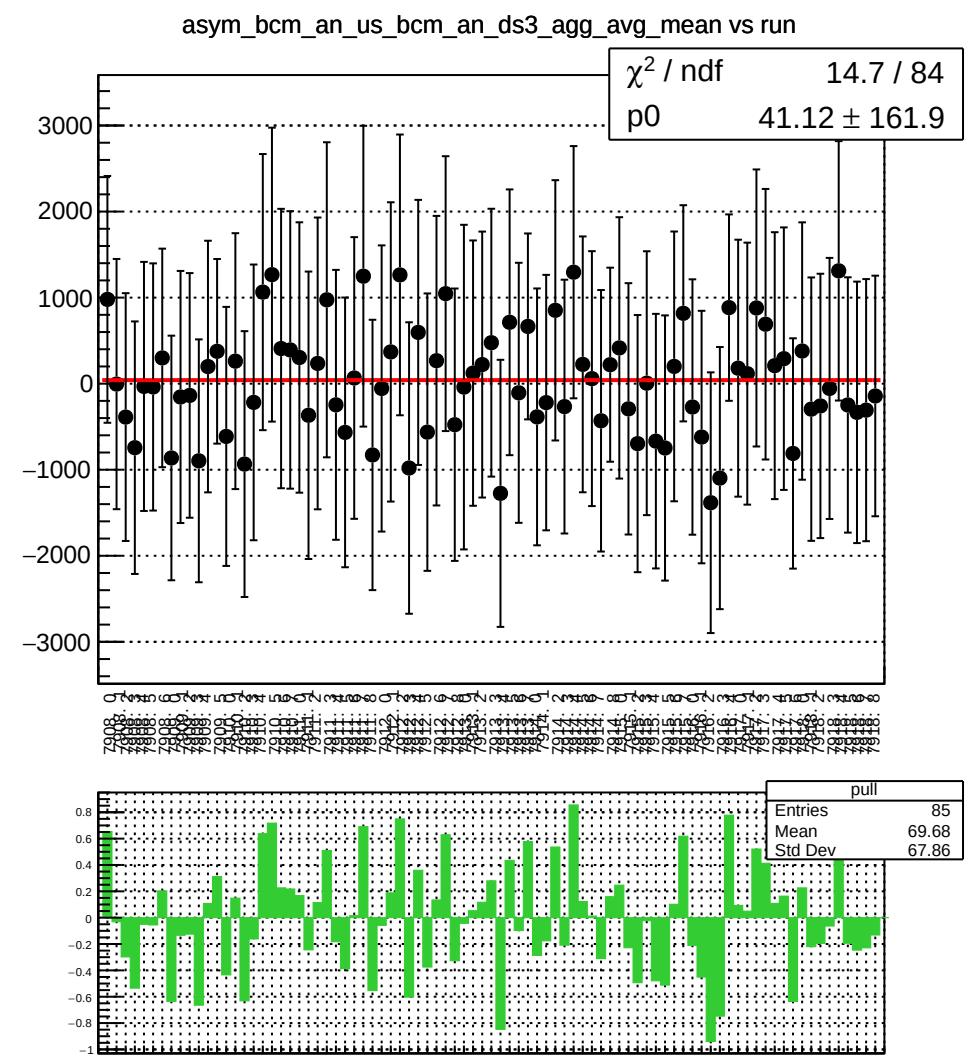

pull1D
Entries 85
Mean −0.004417
Std Dev 0.4182

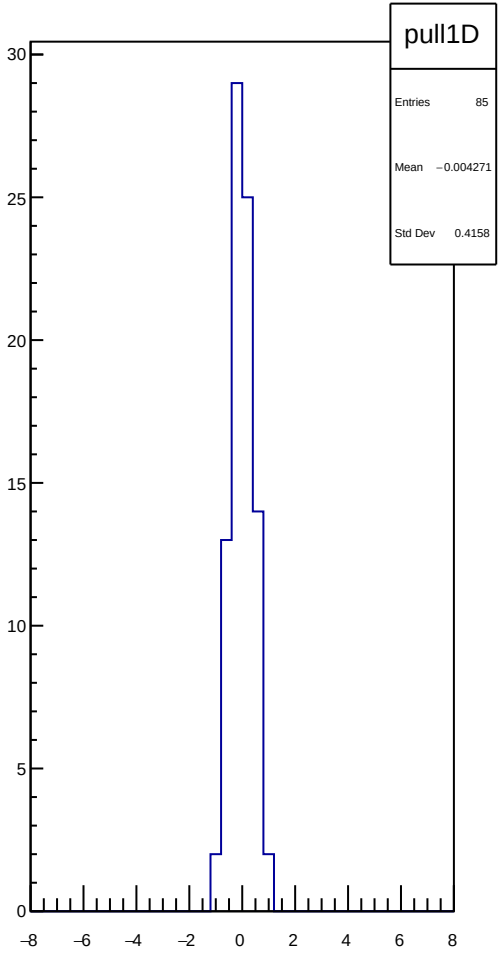

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 7045 / 84
p0 145.7 ± 0.1142
200
190
180
170
160
150
140
130

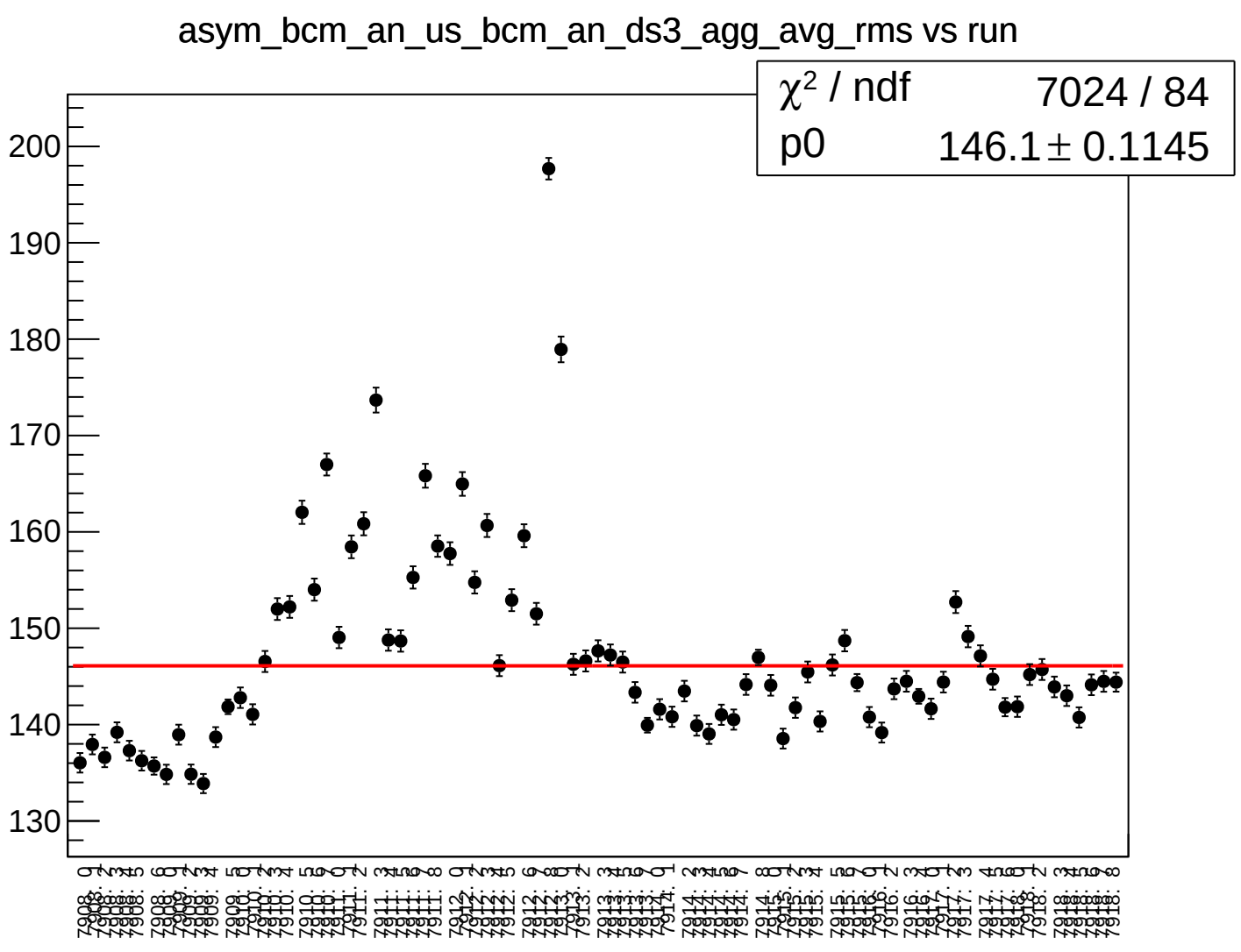

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 115.3 / 84
p0 23.39 ± 11.56
pull
Entries 85
Mean −2.923e+05
Std Dev 2.923e+05

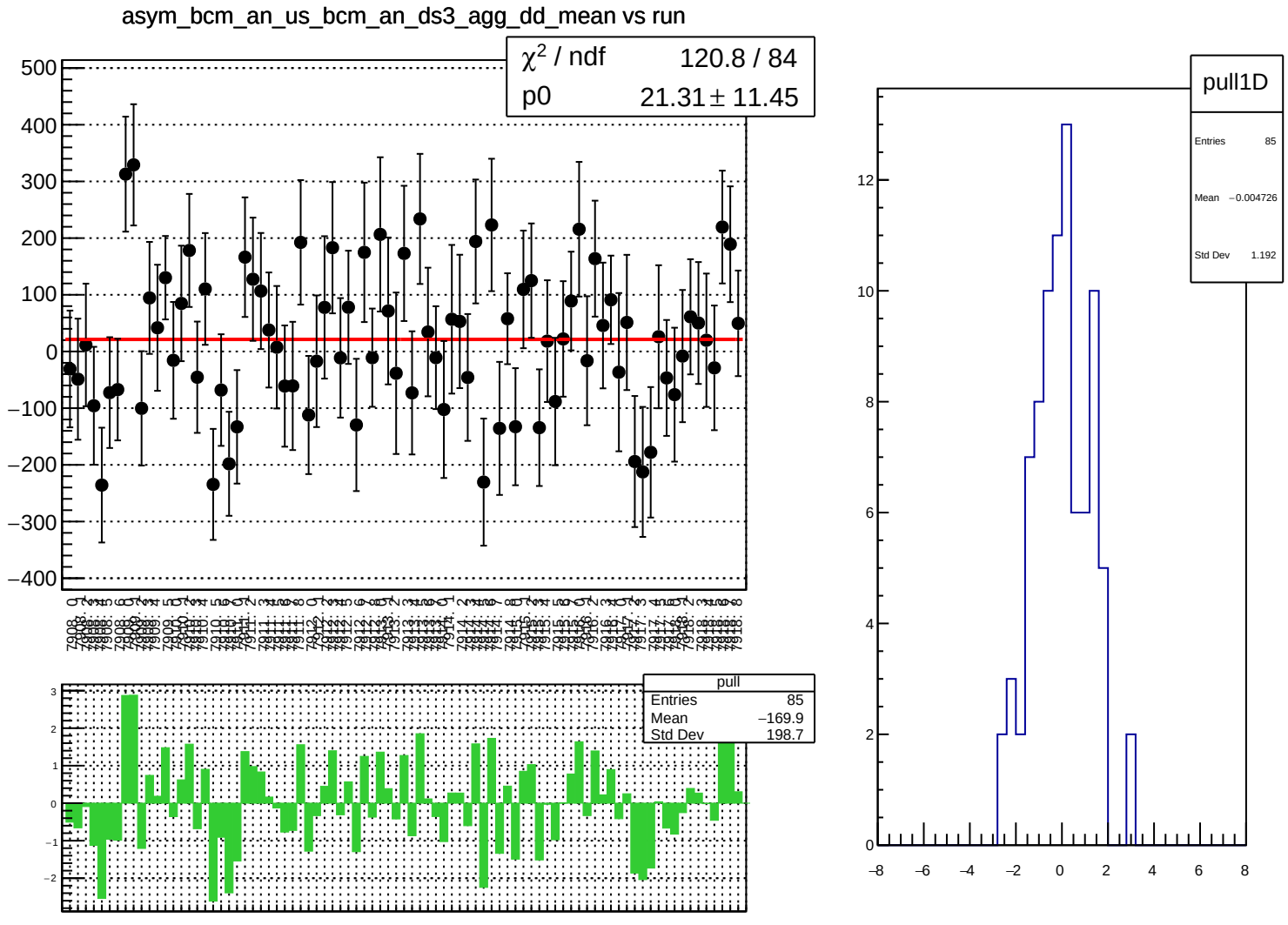

pull1D
Entries 85
Mean −7.702e−06
Std Dev 1.165

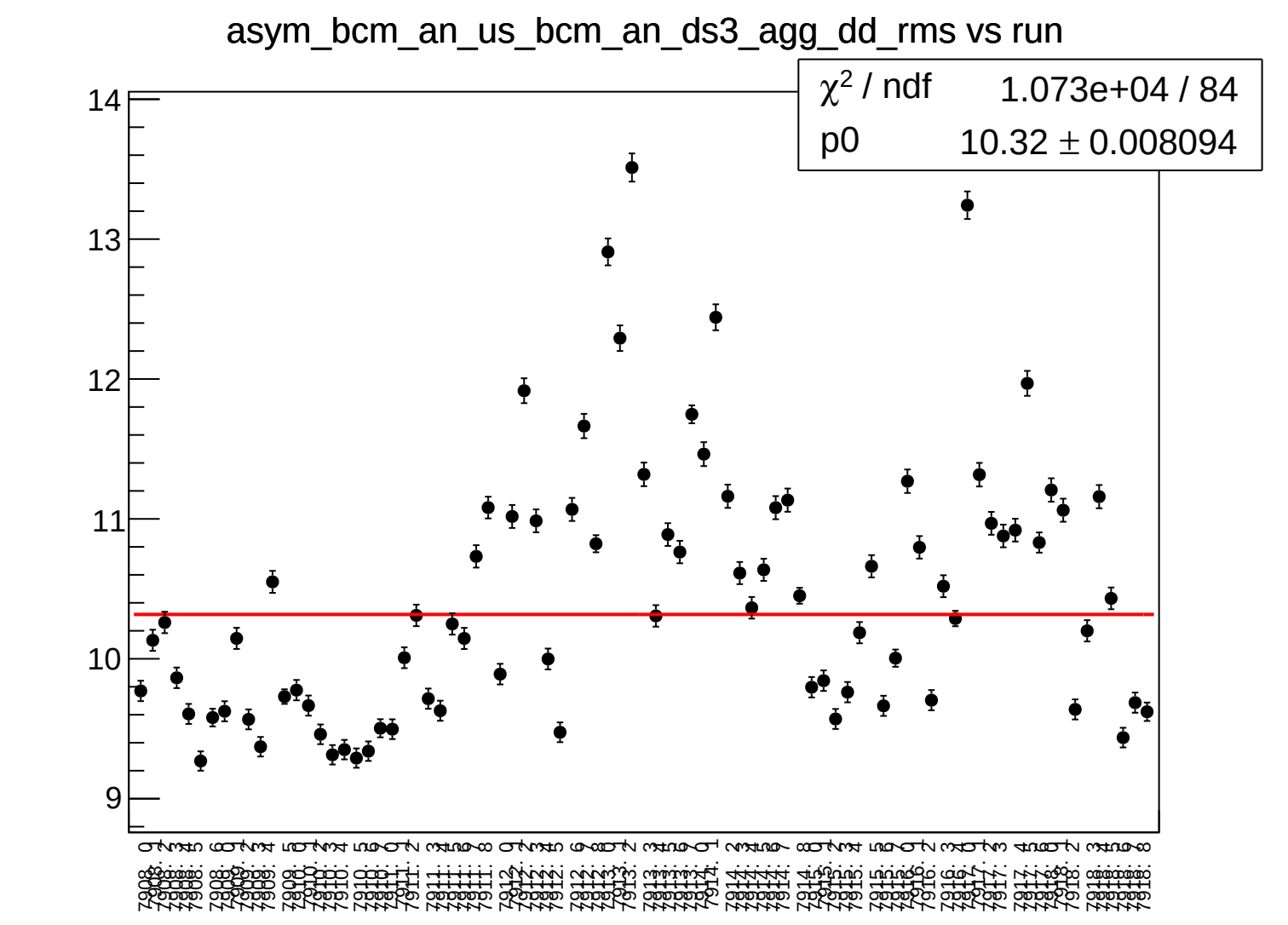

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 8200 / 84
p0 10.43 ± 0.008175
13.5
13
12.5
12
11.5
11
10.5
10
9.5

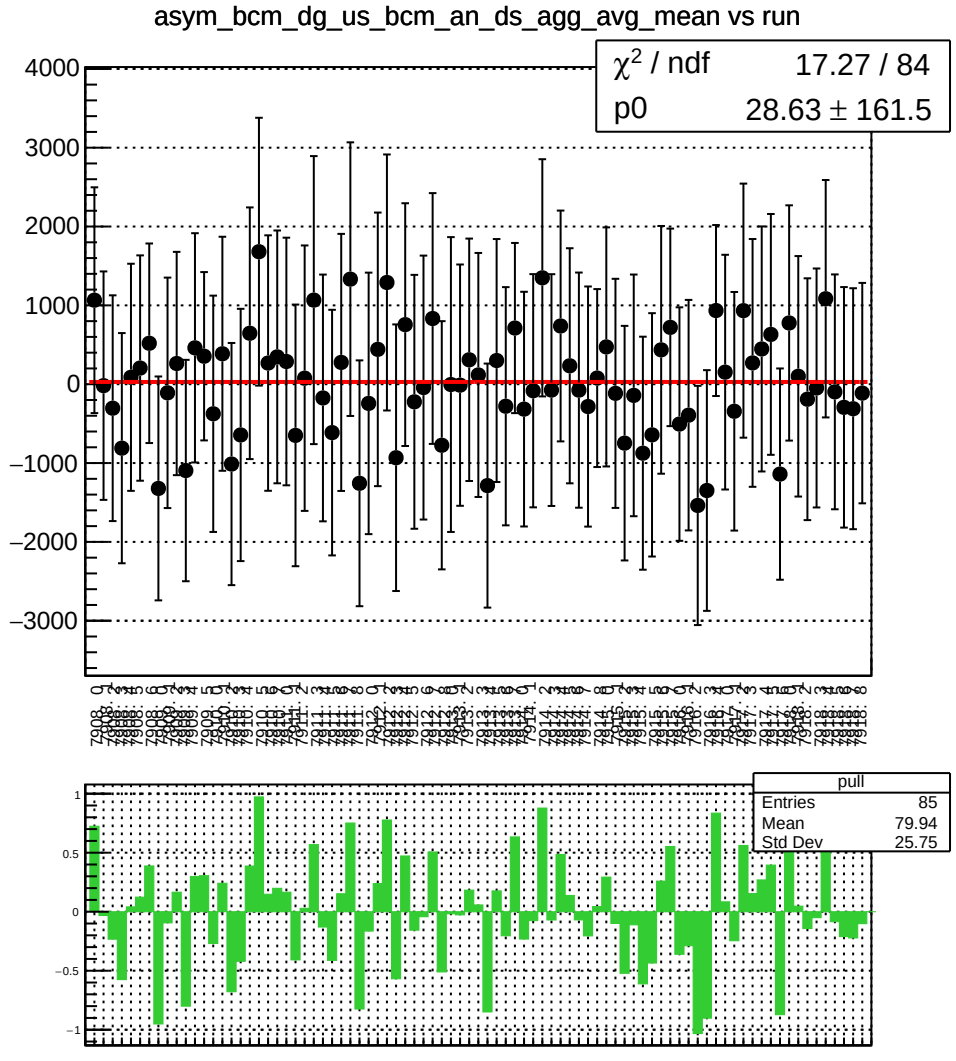

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 14.7 / 84
p0 41.12 ± 161.9
pull
Entries 85
Mean 69.68
Std Dev 67.86

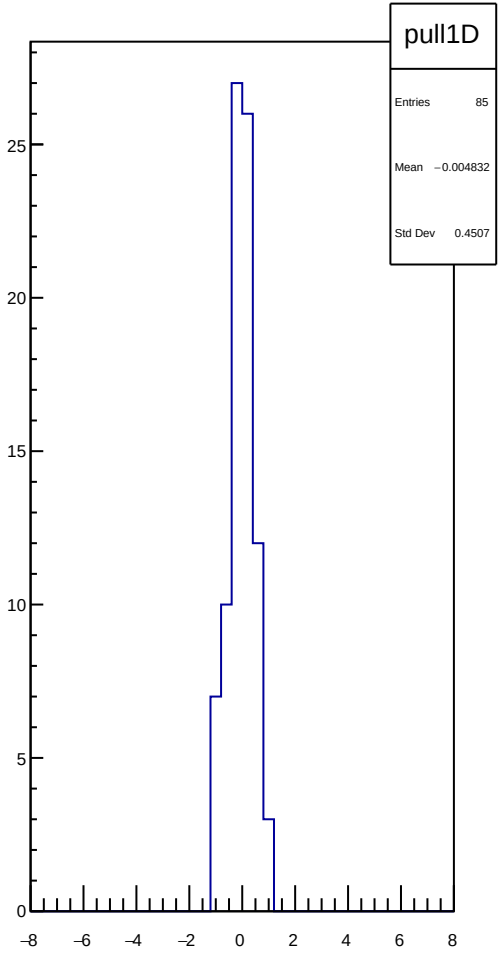

pull1D
Entries 85
Mean −0.004271
Std Dev 0.4158

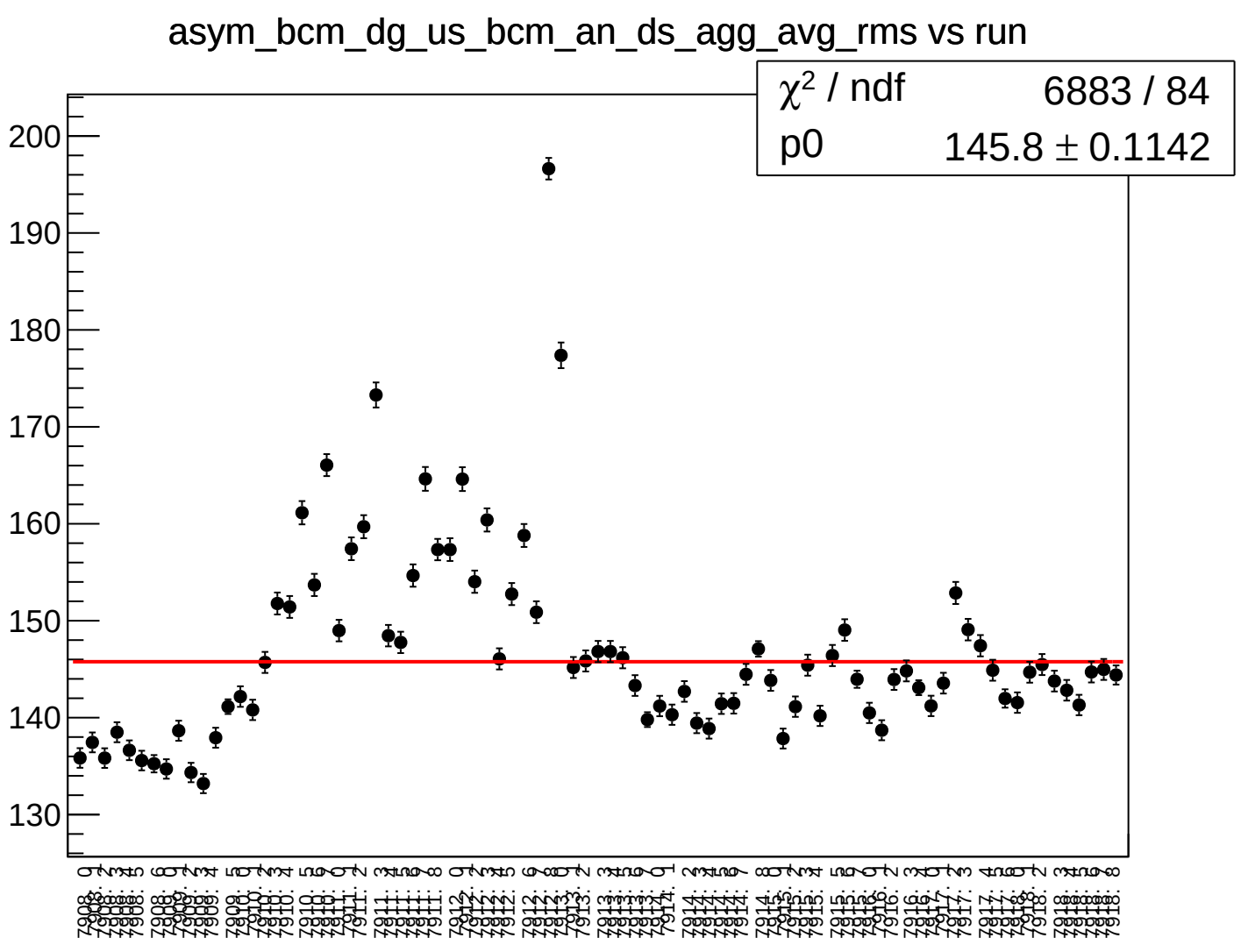

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 7024 / 84
p0 146.1 ± 0.1145
200
190
180
170
160
150
140
130

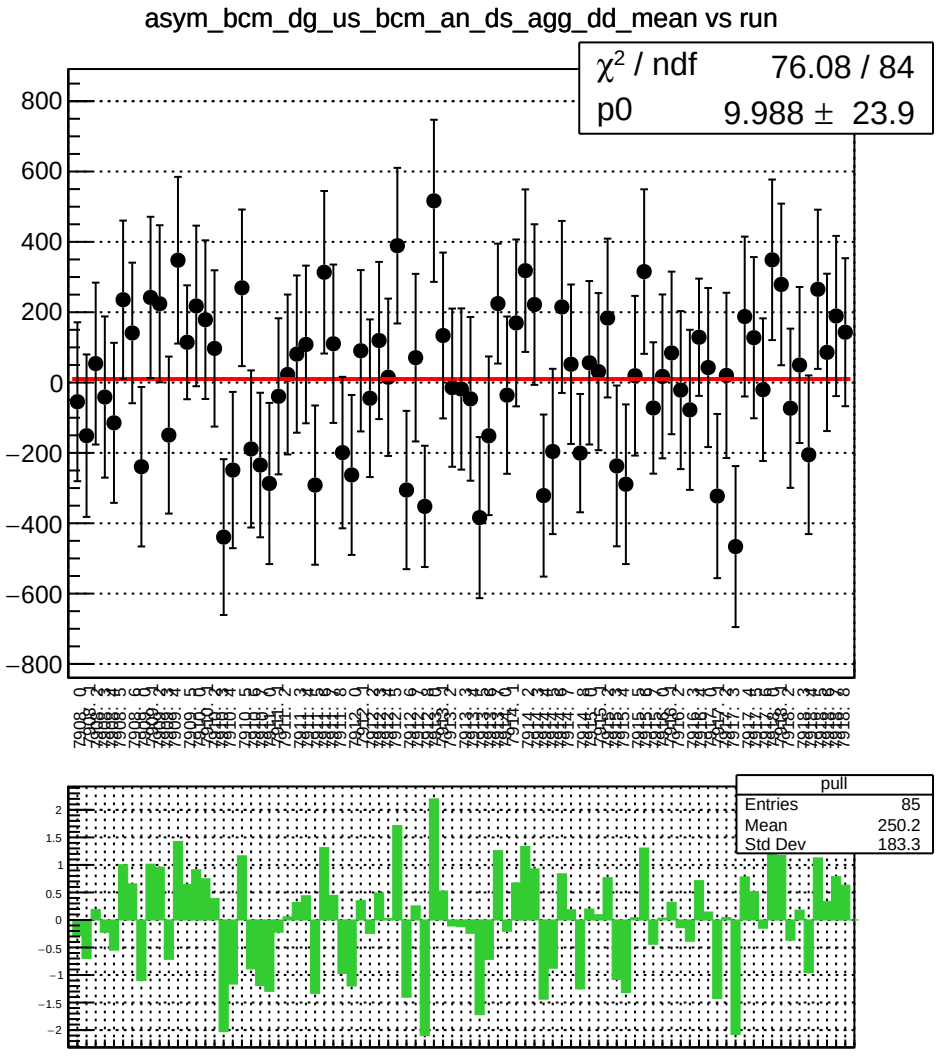

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 120.8 / 84
p0 21.31 ± 11.45
pull
Entries 85
Mean −169.9
Std Dev 198.7
pull1D
Entries 85
Mean −0.004726
Std Dev 1.192

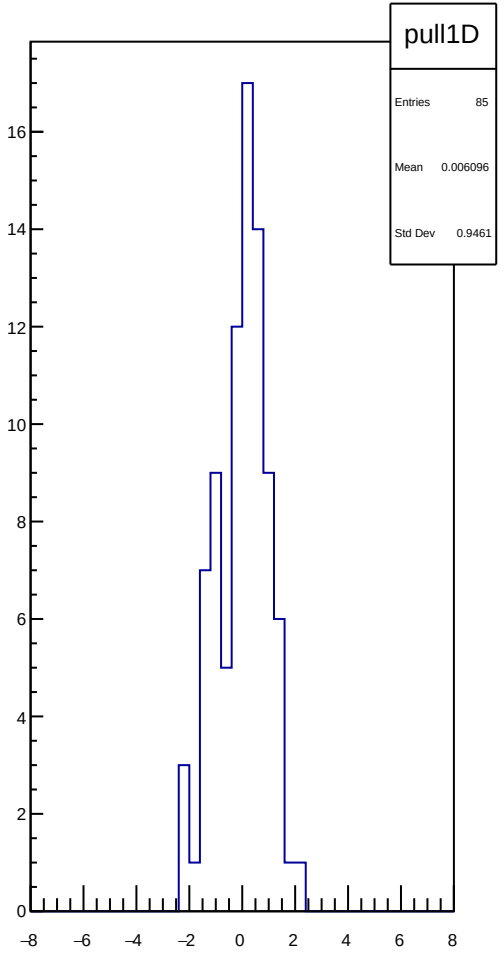

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.073e+04 / 84
p0 10.32 ± 0.008094
14
13
12
11
10
9

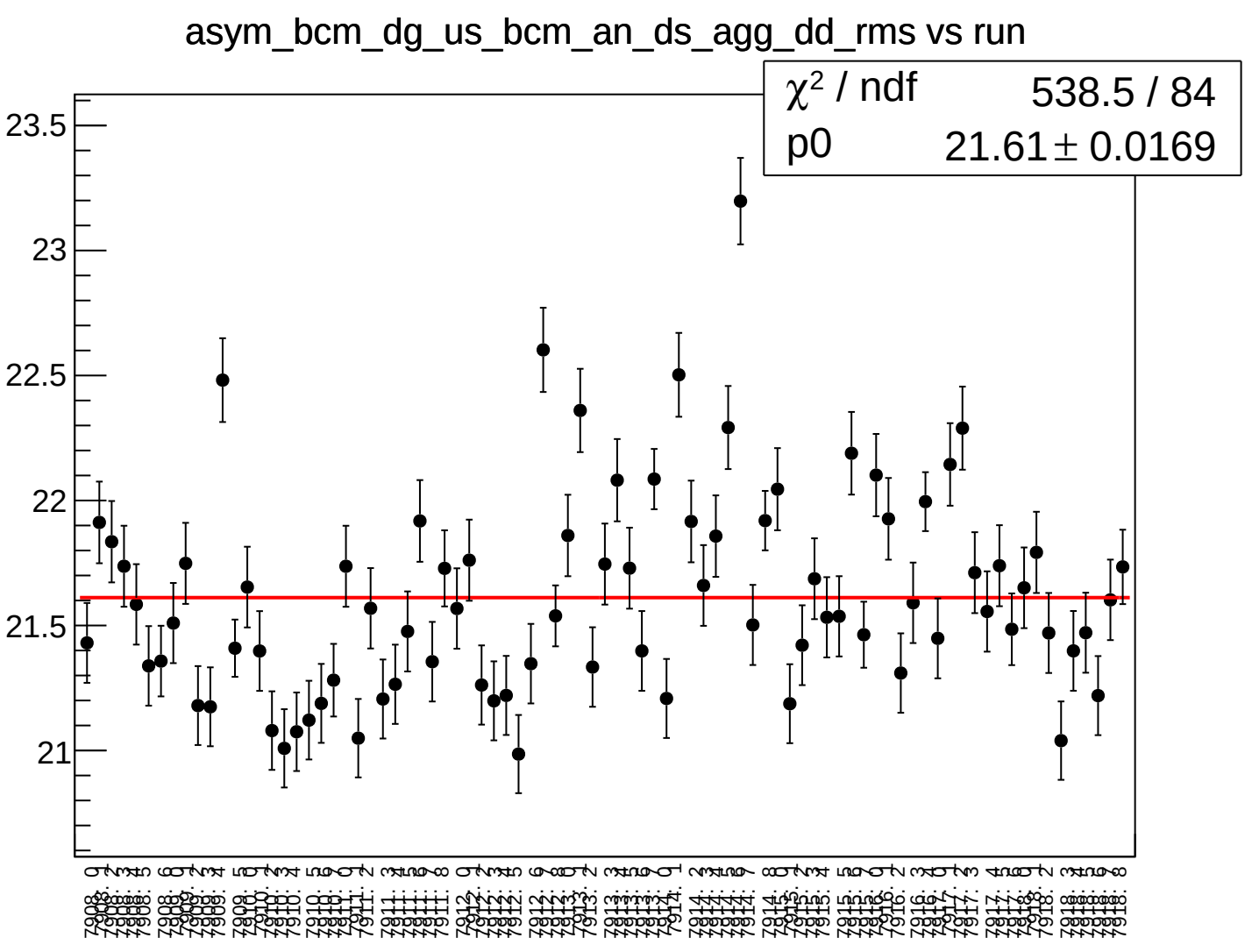

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.27 / 84
p0 28.63 ± 161.5
pull
Entries 85
Mean 79.94
Std Dev 25.75

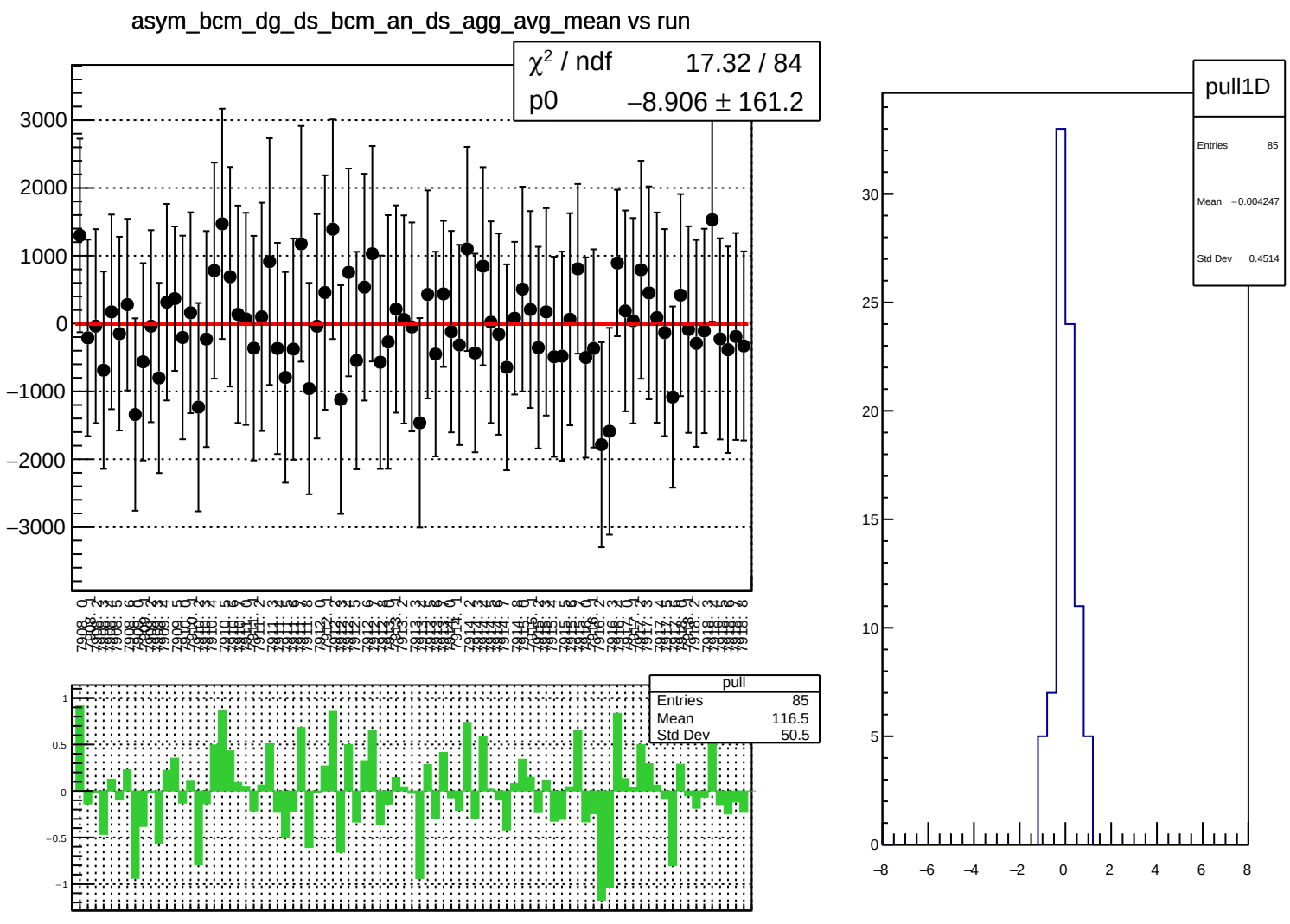

pull1D
Entries 85
Mean −0.004832
Std Dev 0.4507

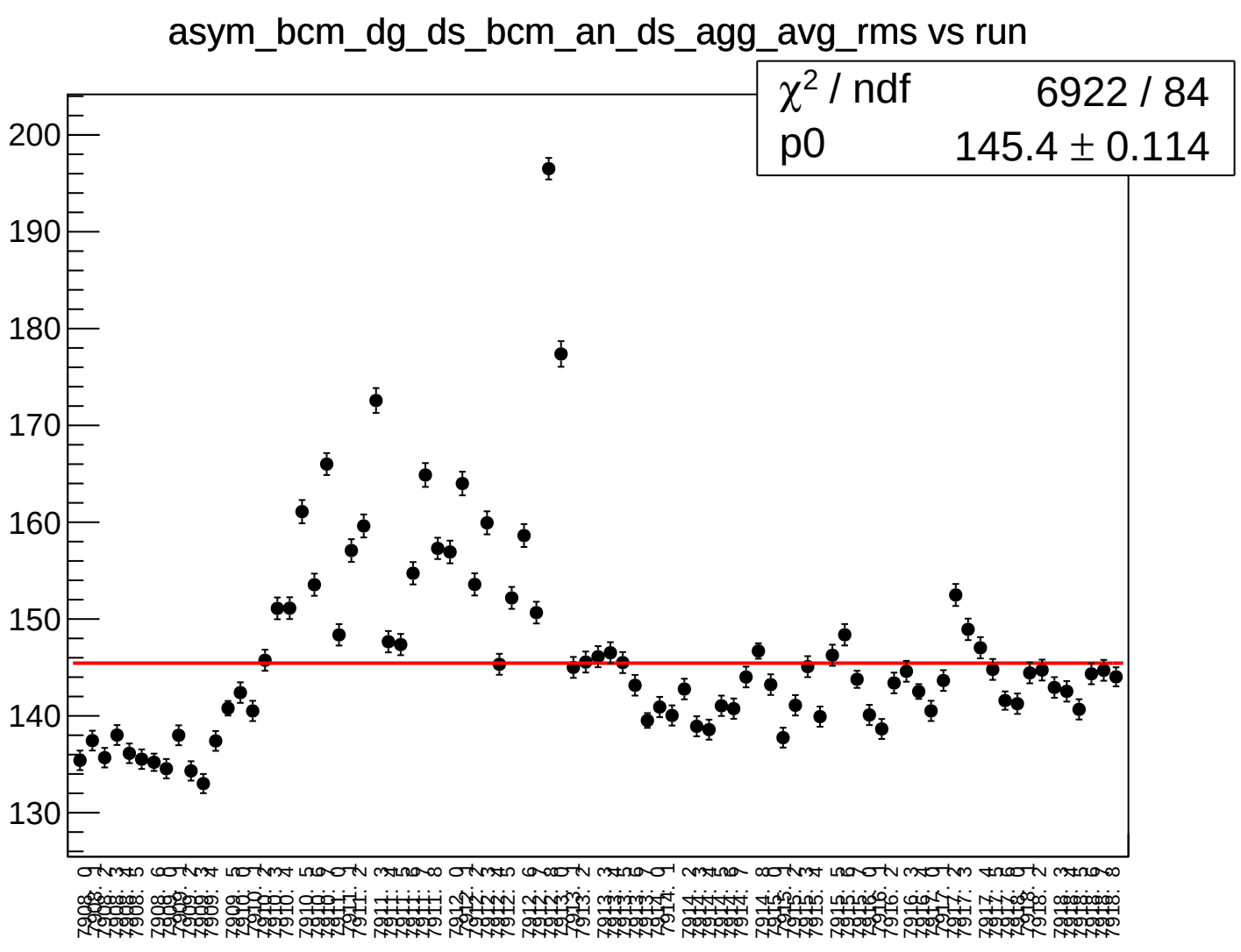

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 6883 / 84
p0 145.8 ± 0.1142
200
190
180
170
160
150
140
130

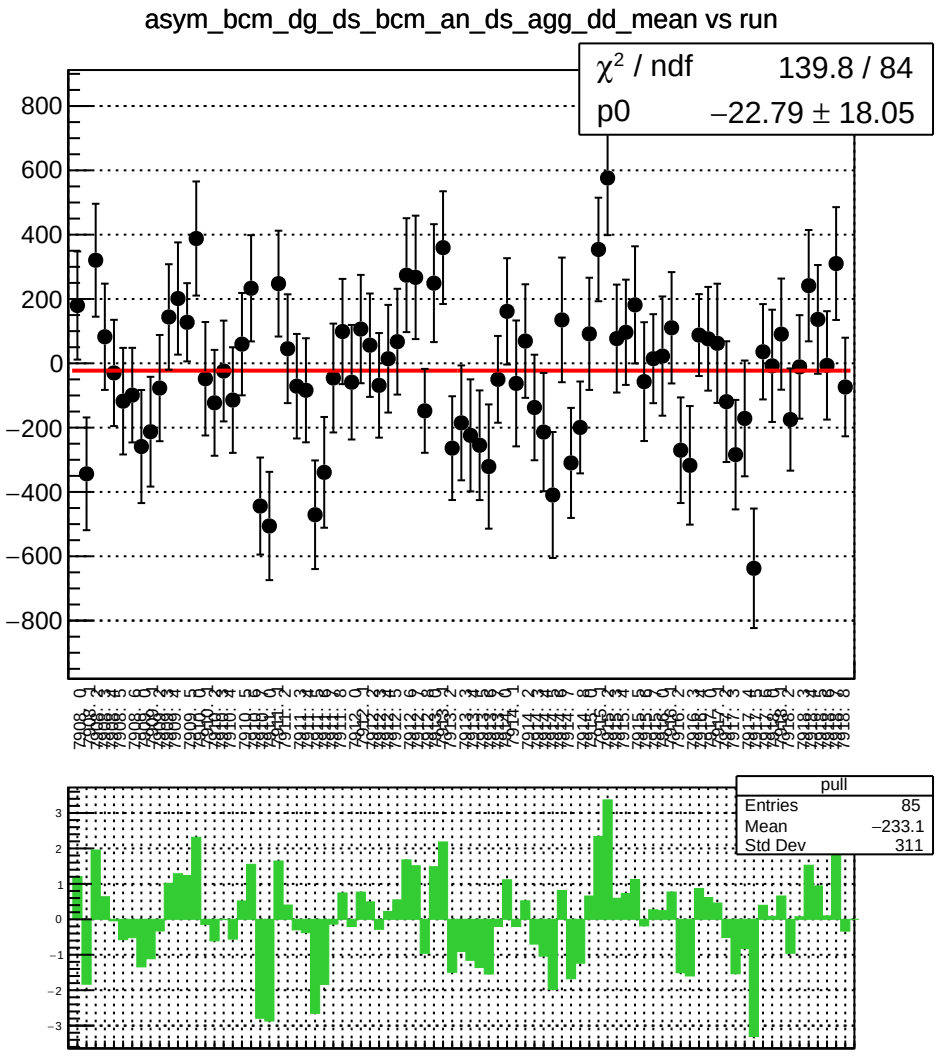

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 76.08 / 84
p0 9.988 ± 23.9
pull
Entries 85
Mean 250.2
Std Dev 183.3

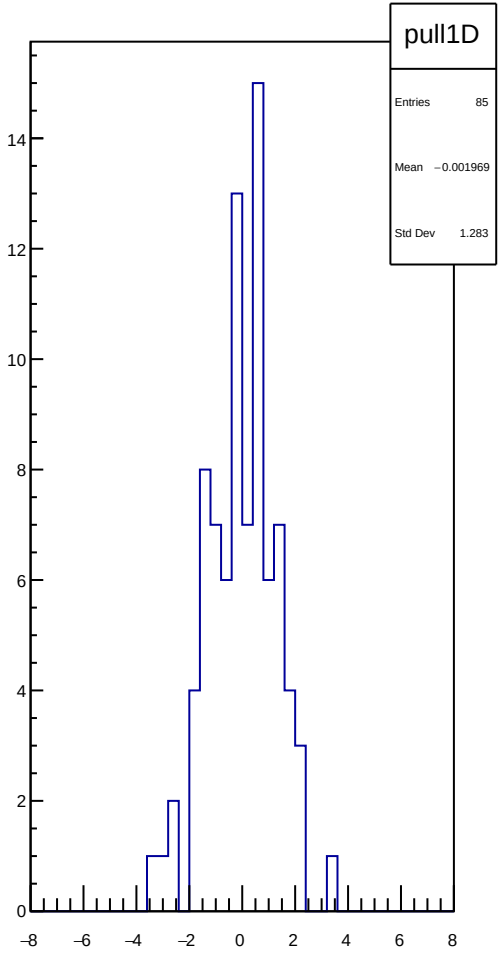

pull1D
Entries 85
Mean 0.006096
Std Dev 0.9461

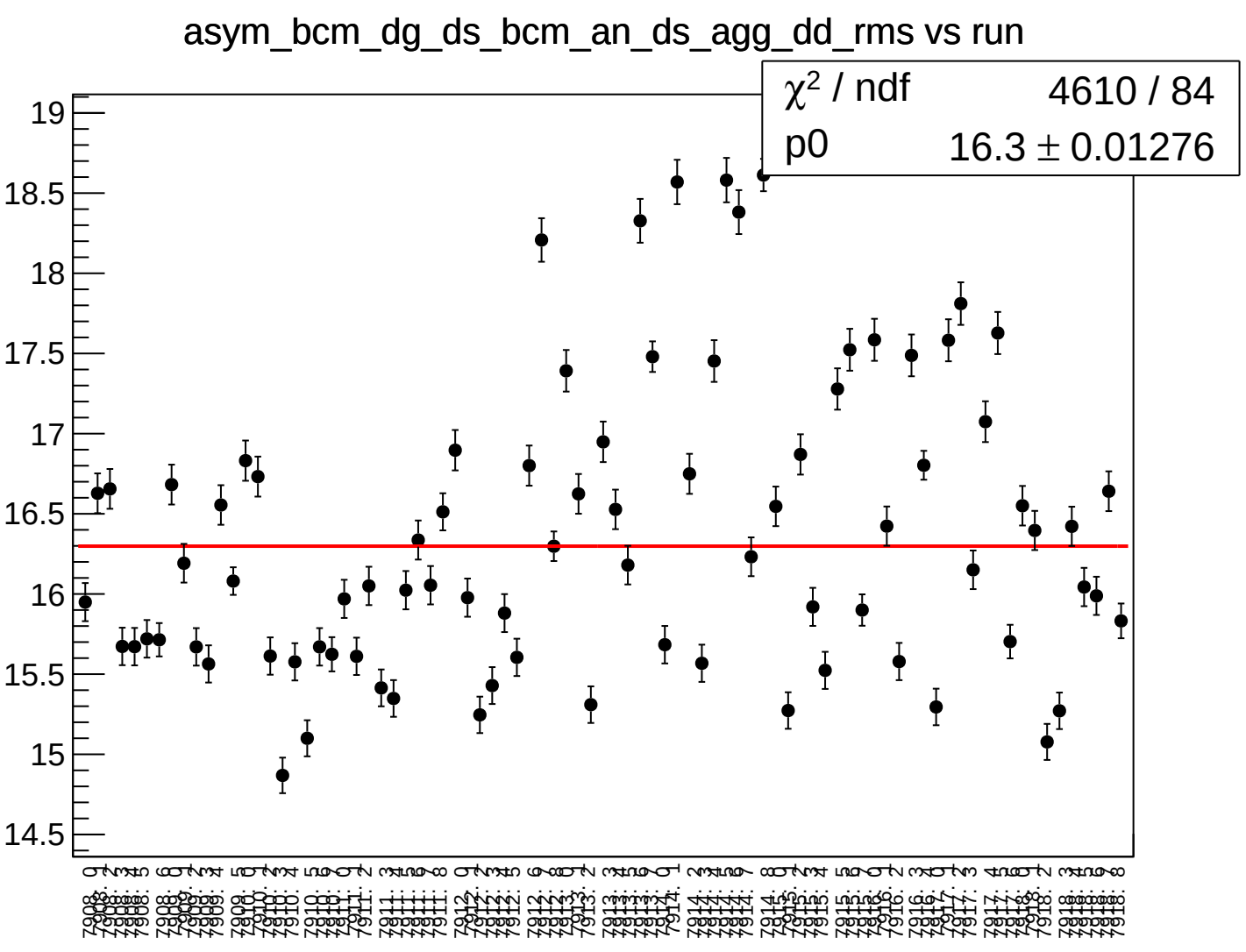

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 538.5 / 84
p0 21.61 ± 0.0169
23.5
23
22.5
22
21.5
21

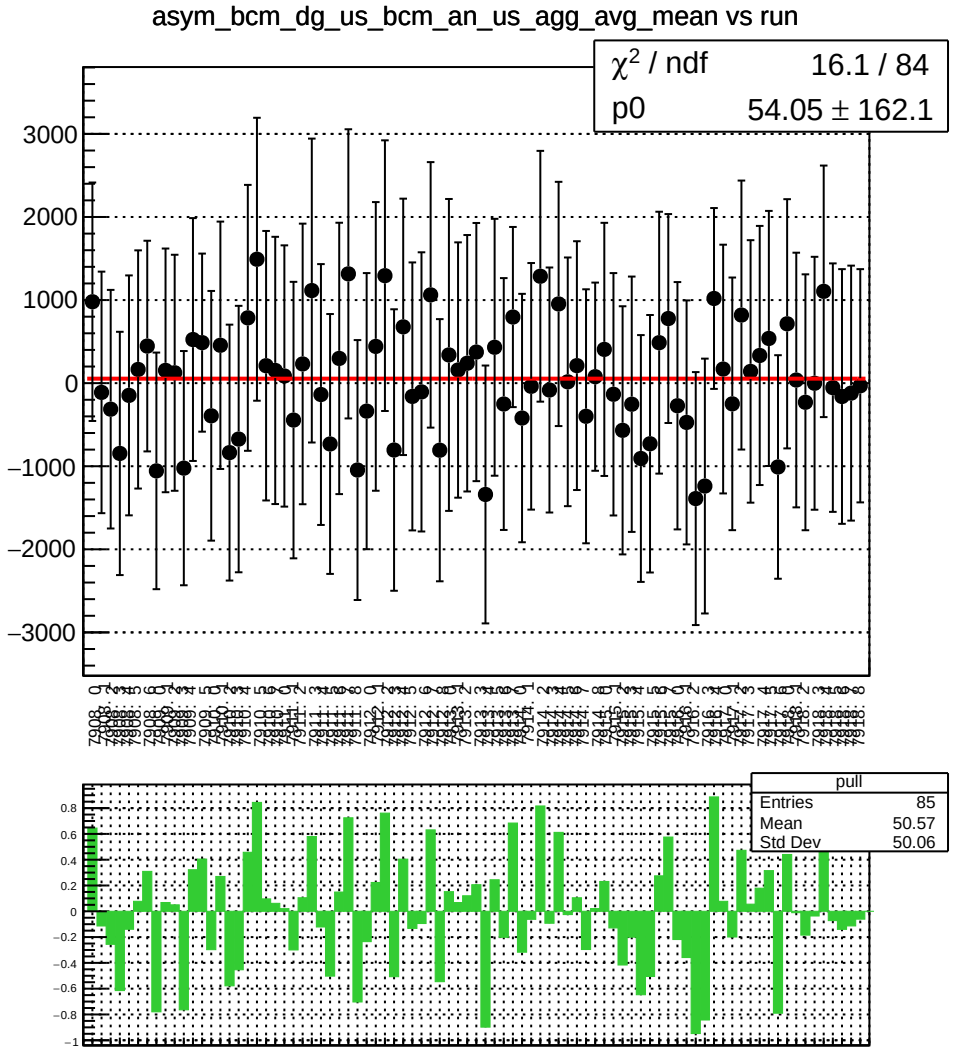

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.32 / 84
p0 −8.906 ± 161.2
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 116.5
Std Dev 50.5
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.004247
Std Dev 0.4514
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

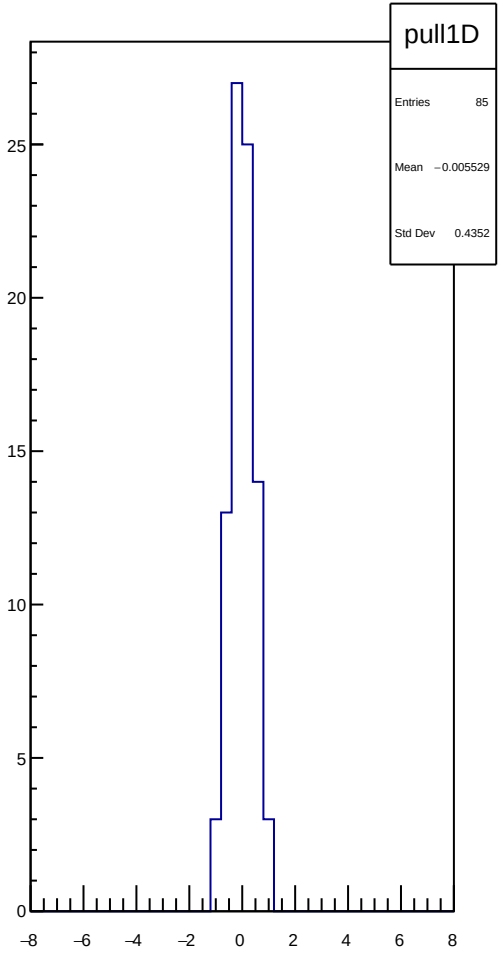

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 6922 / 84
p0 145.4 ± 0.114
200
190
180
170
160
150
140
130

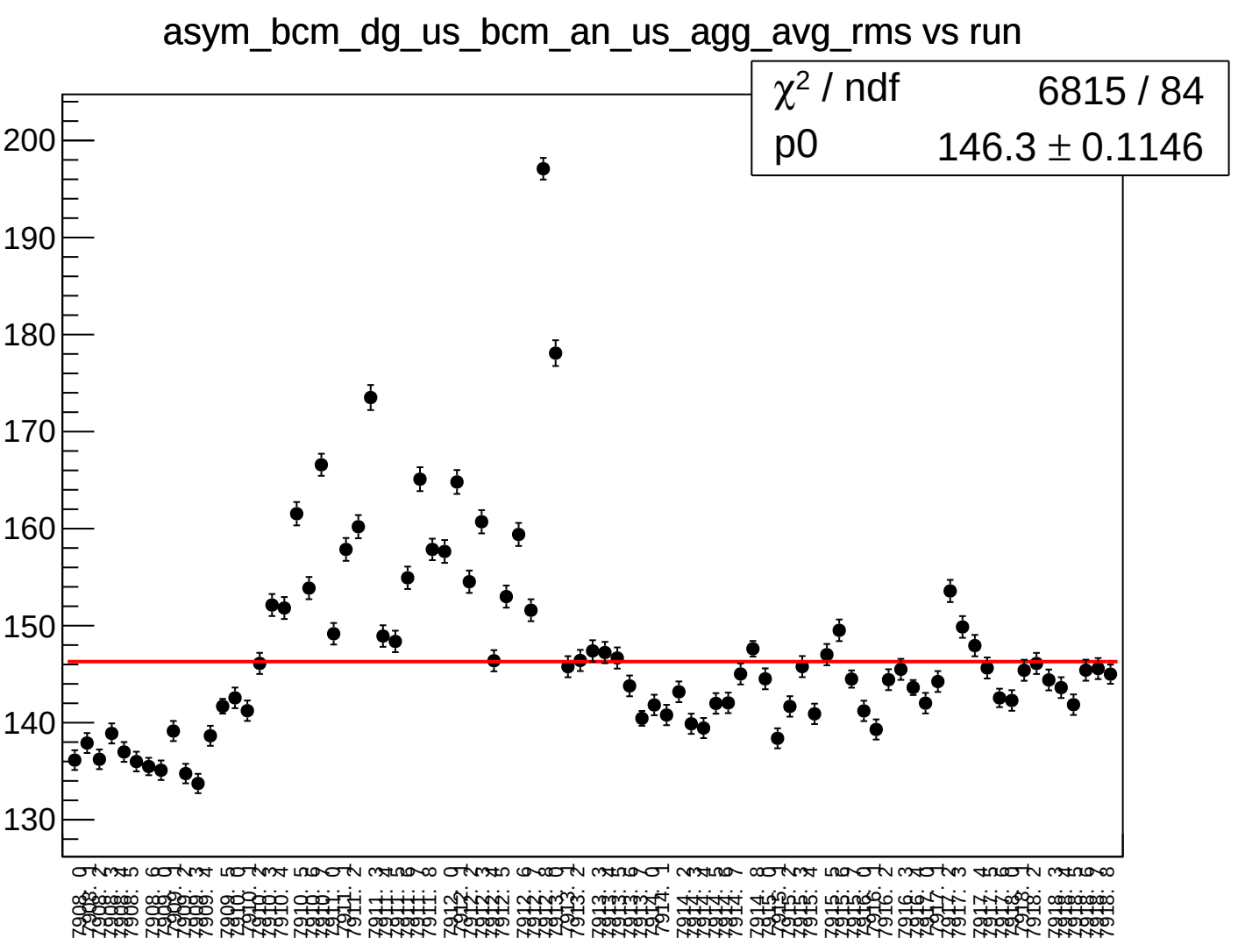

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 139.8 / 84
p0 −22.79 ± 18.05
pull
Entries 85
Mean −233.1
Std Dev 311

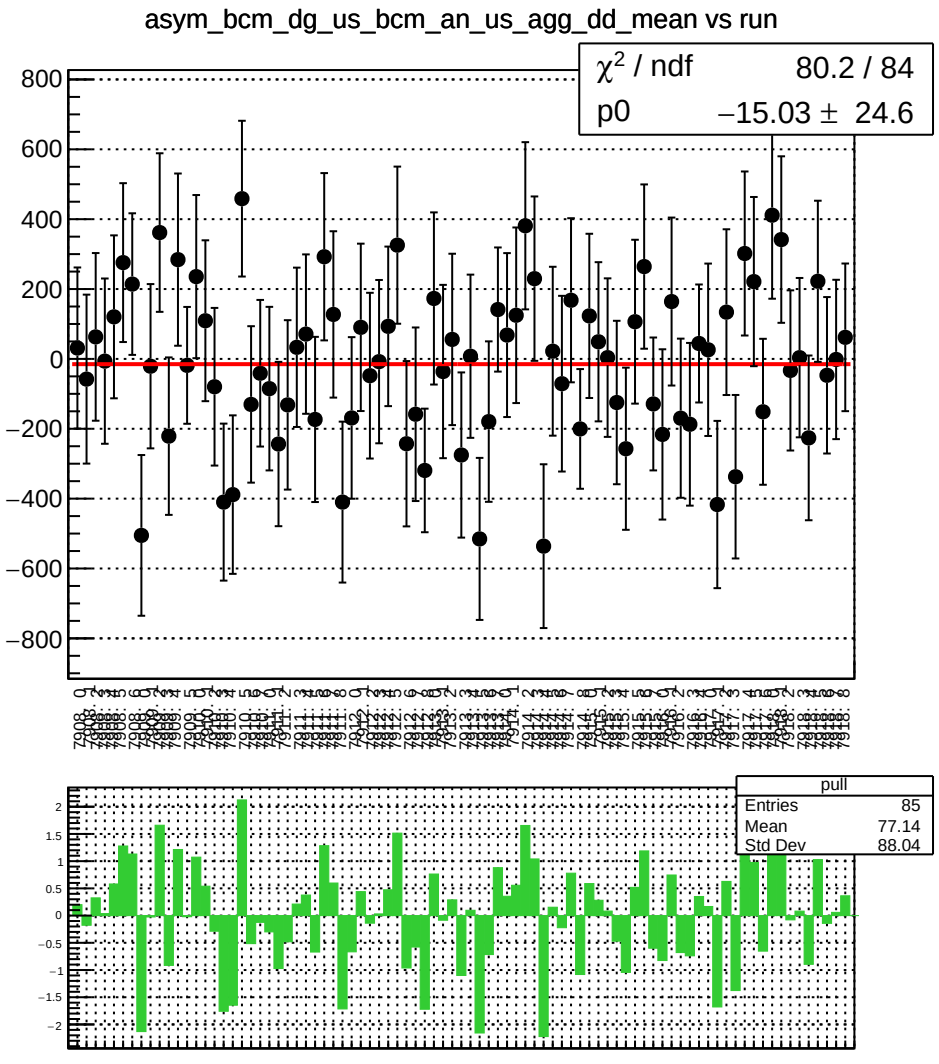

pull1D
Entries 85
Mean −0.001969
Std Dev 1.283

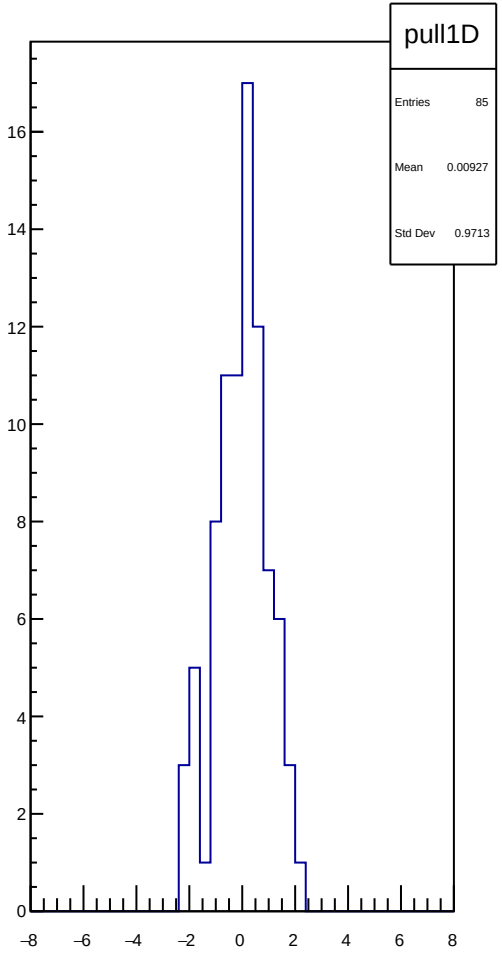

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4610 / 84
p0 16.3 ± 0.01276
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5

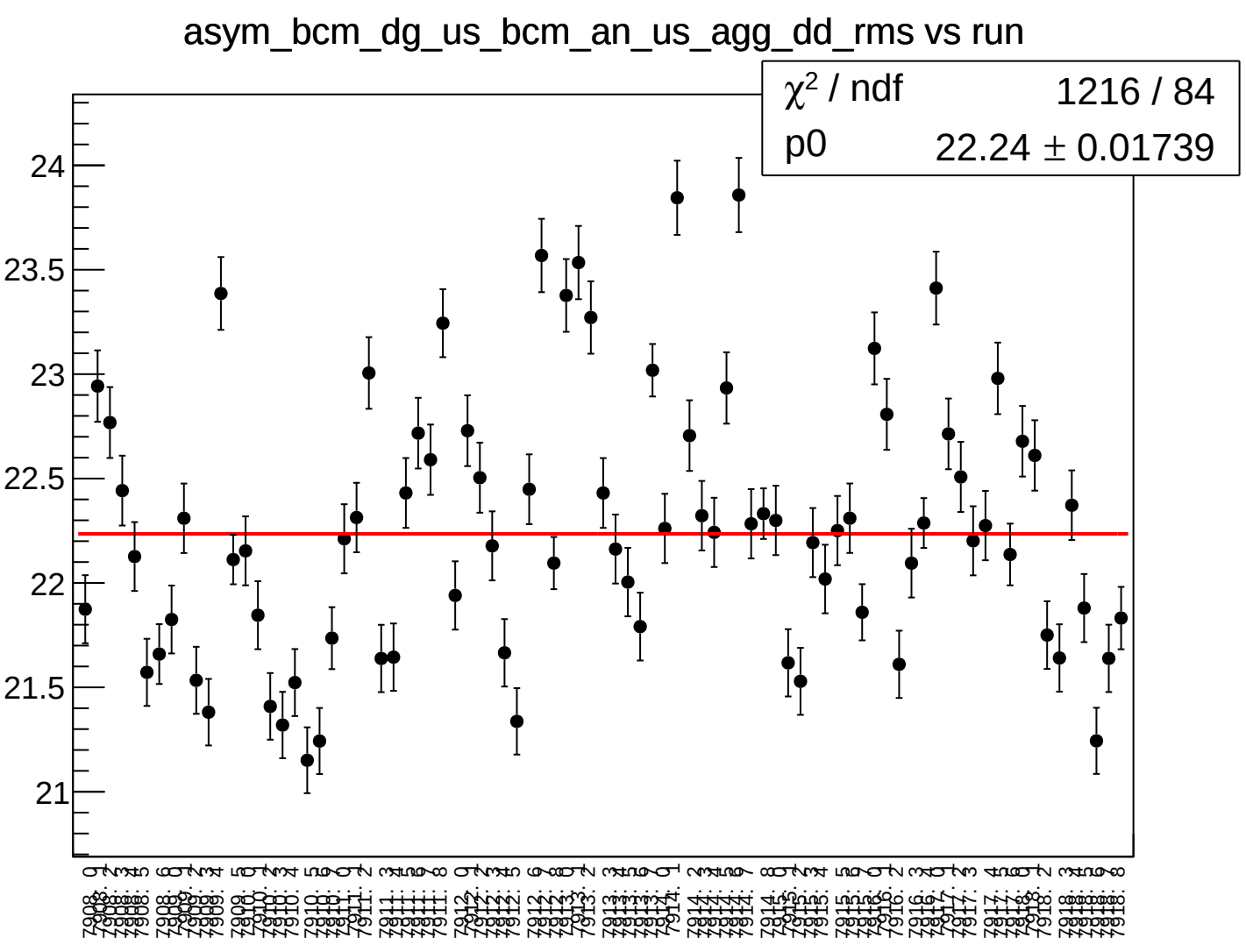

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 16.1 / 84
p0 54.05 ± 162.1
pull
Entries 85
Mean 50.57
Std Dev 50.06

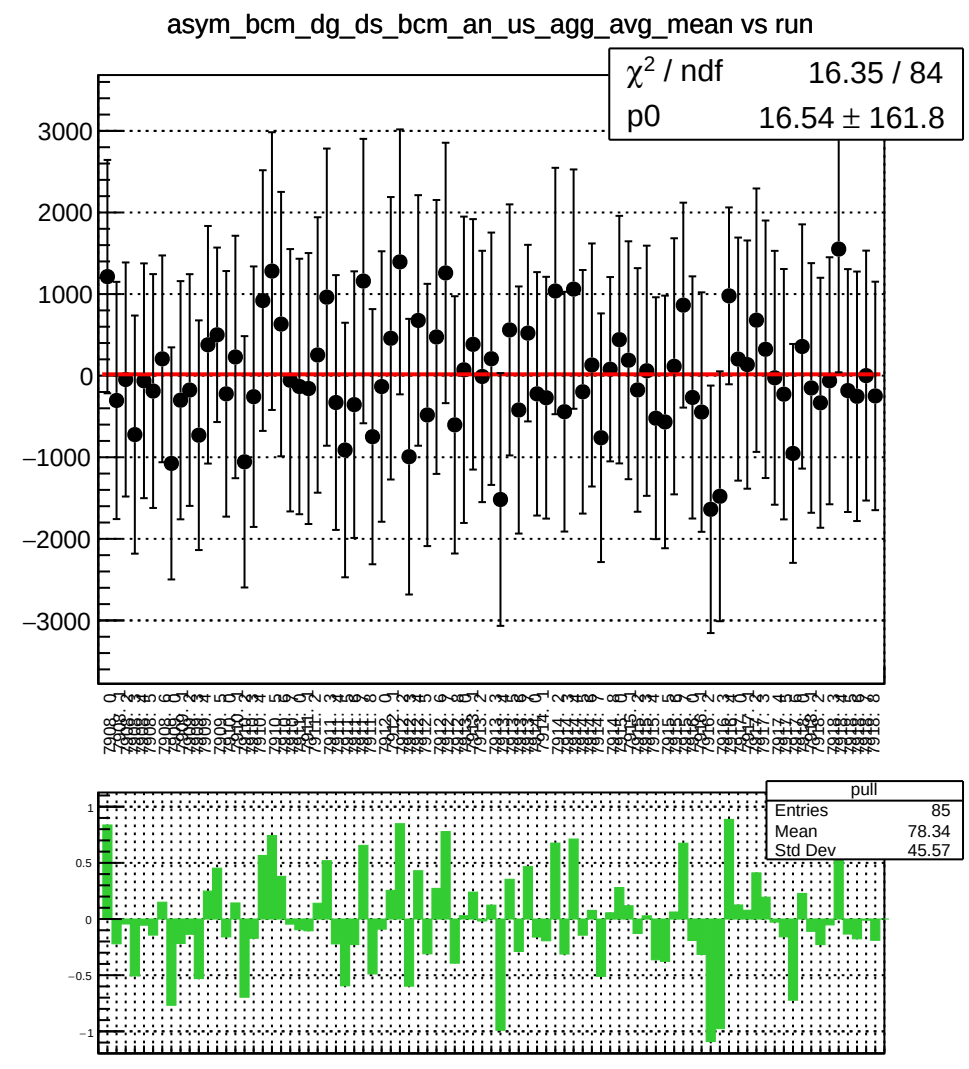

pull1D
Entries 85
Mean −0.005529
Std Dev 0.4352

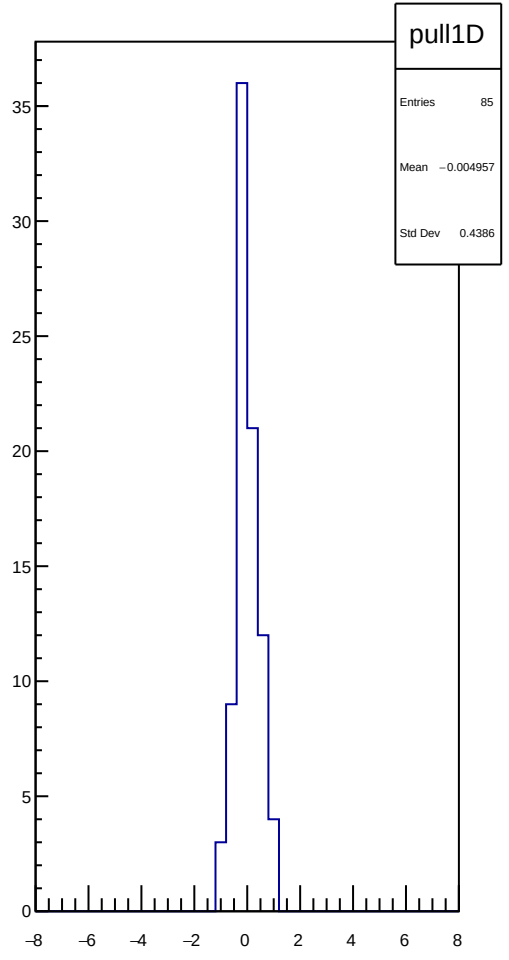

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 6815 / 84
p0 146.3 ± 0.1146
200
190
180
170
160
150
140
130

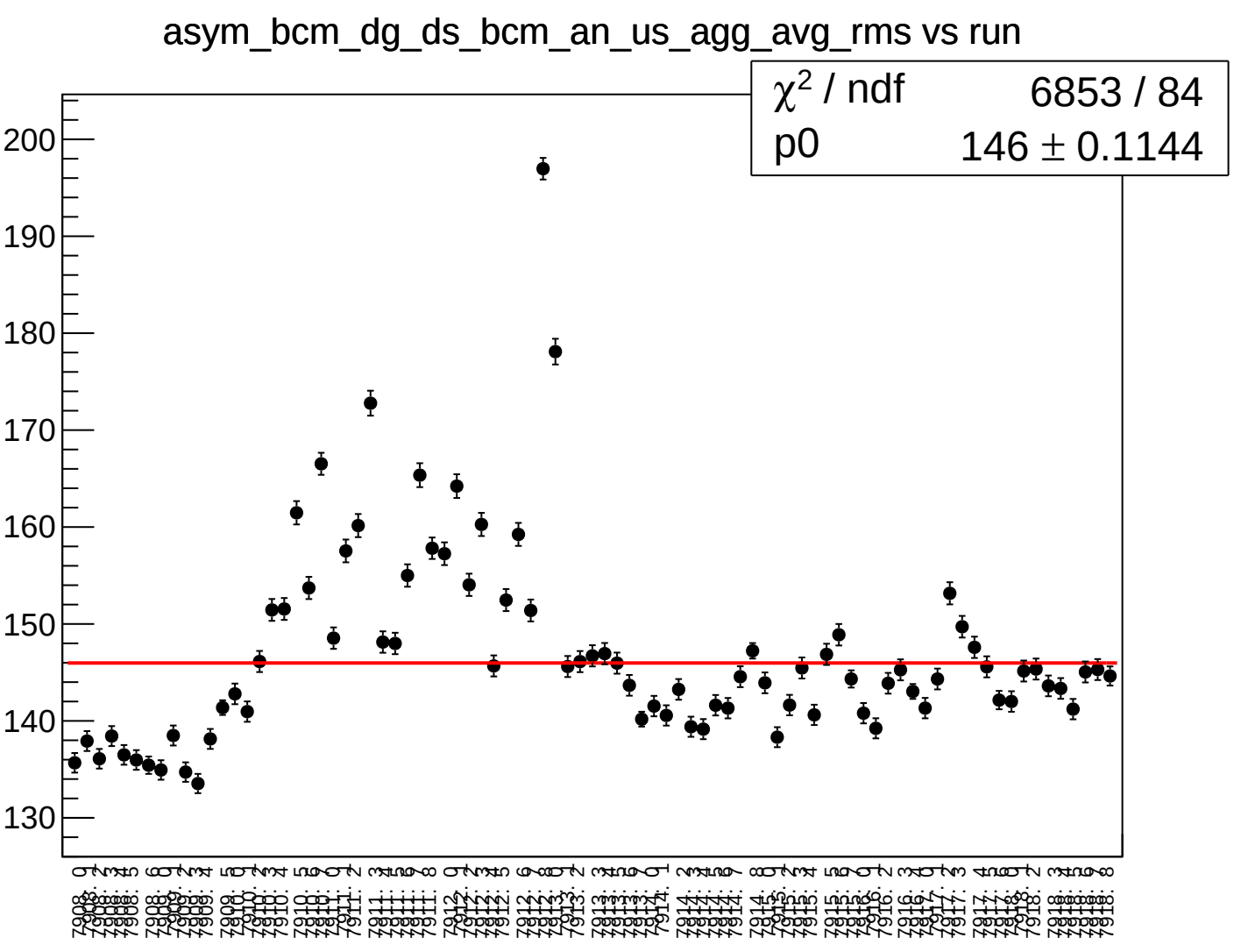

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 80.2 / 84
p0 −15.03 ± 24.6
pull
Entries 85
Mean 77.14
Std Dev 88.04

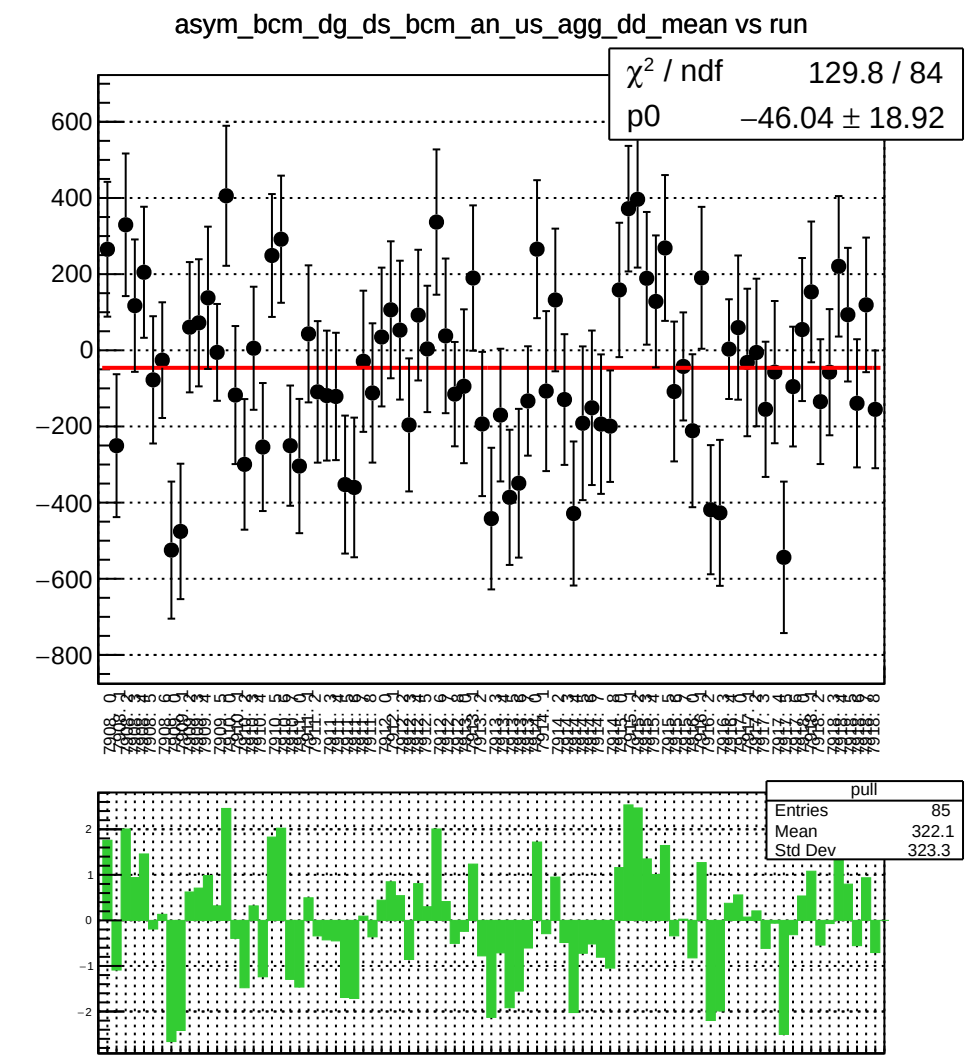

pull1D
Entries 85
Mean 0.00927
Std Dev 0.9713

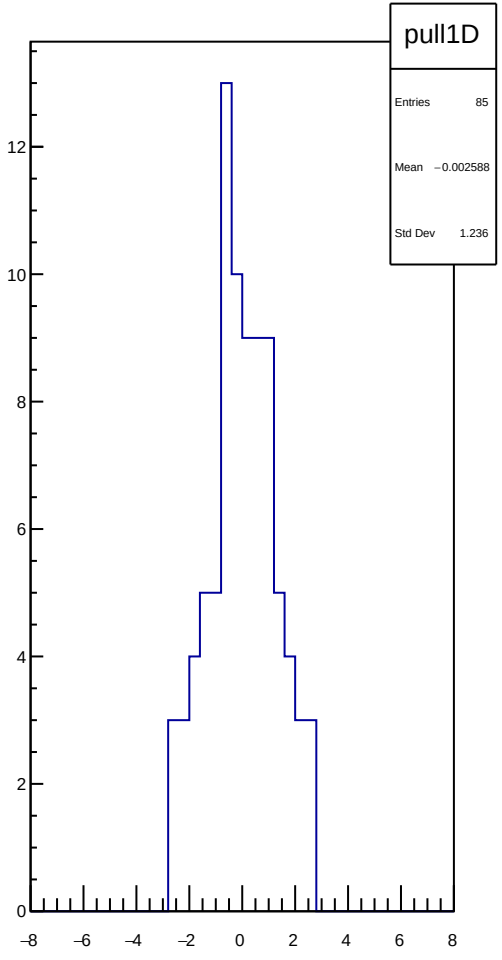

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1216 / 84
p0 22.24 ± 0.01739
24
23.5
23
22.5
22
21.5
21

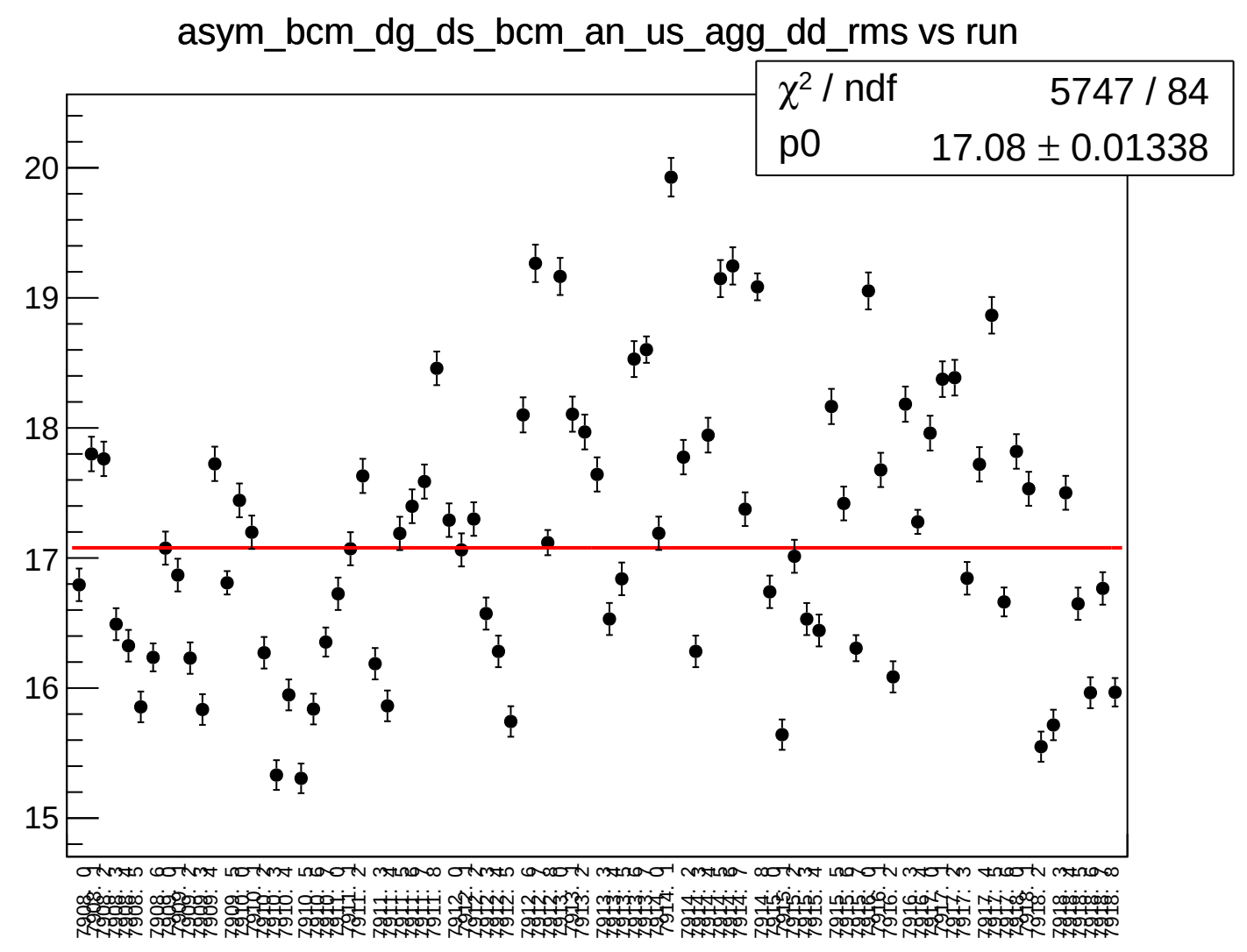

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 16.35 / 84
p0 16.54 ± 161.8
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 78.34
Std Dev 45.57
1
0.5
0
−0.5
−1

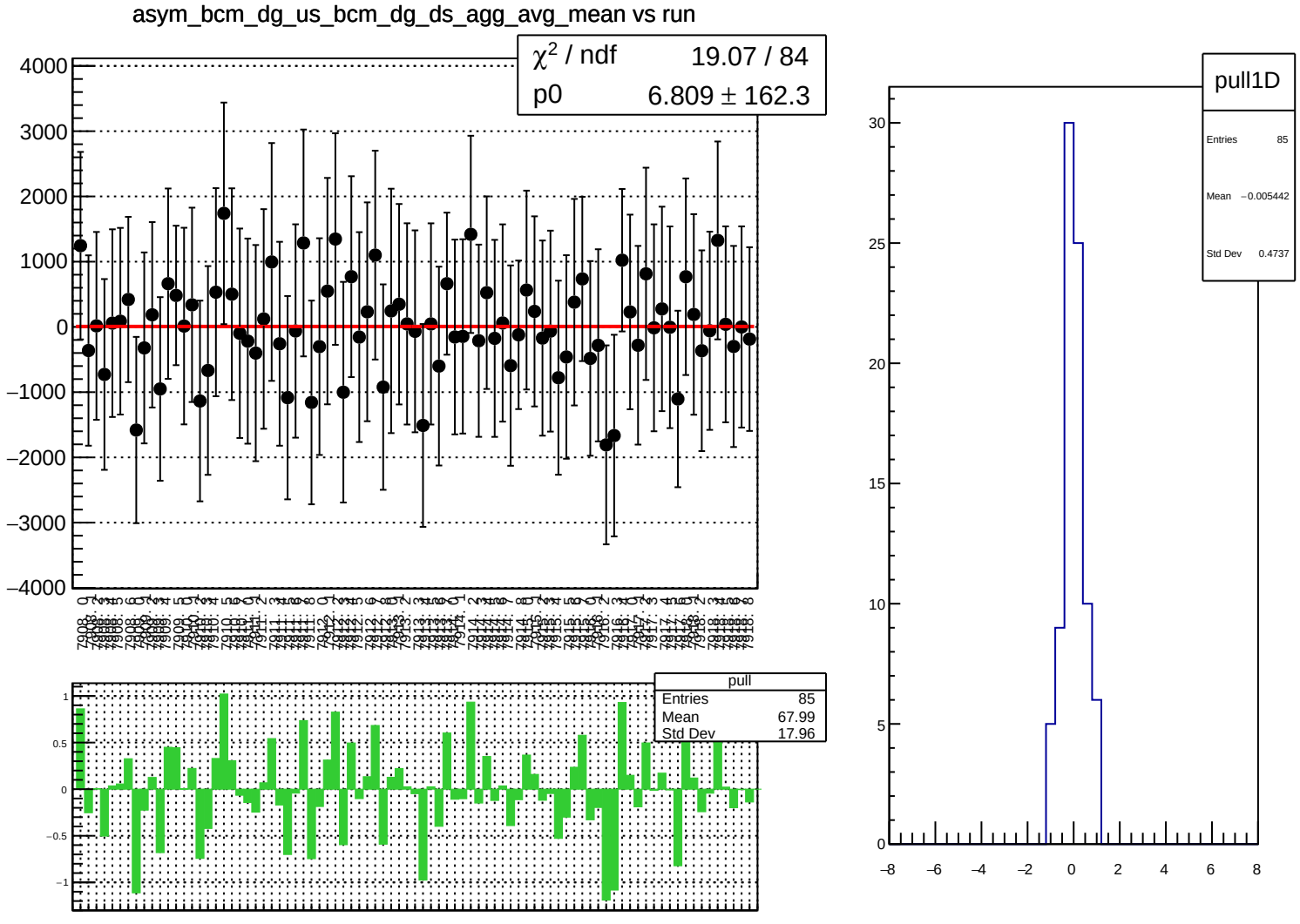

pull1D
Entries 85
Mean −0.004957
Std Dev 0.4386
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

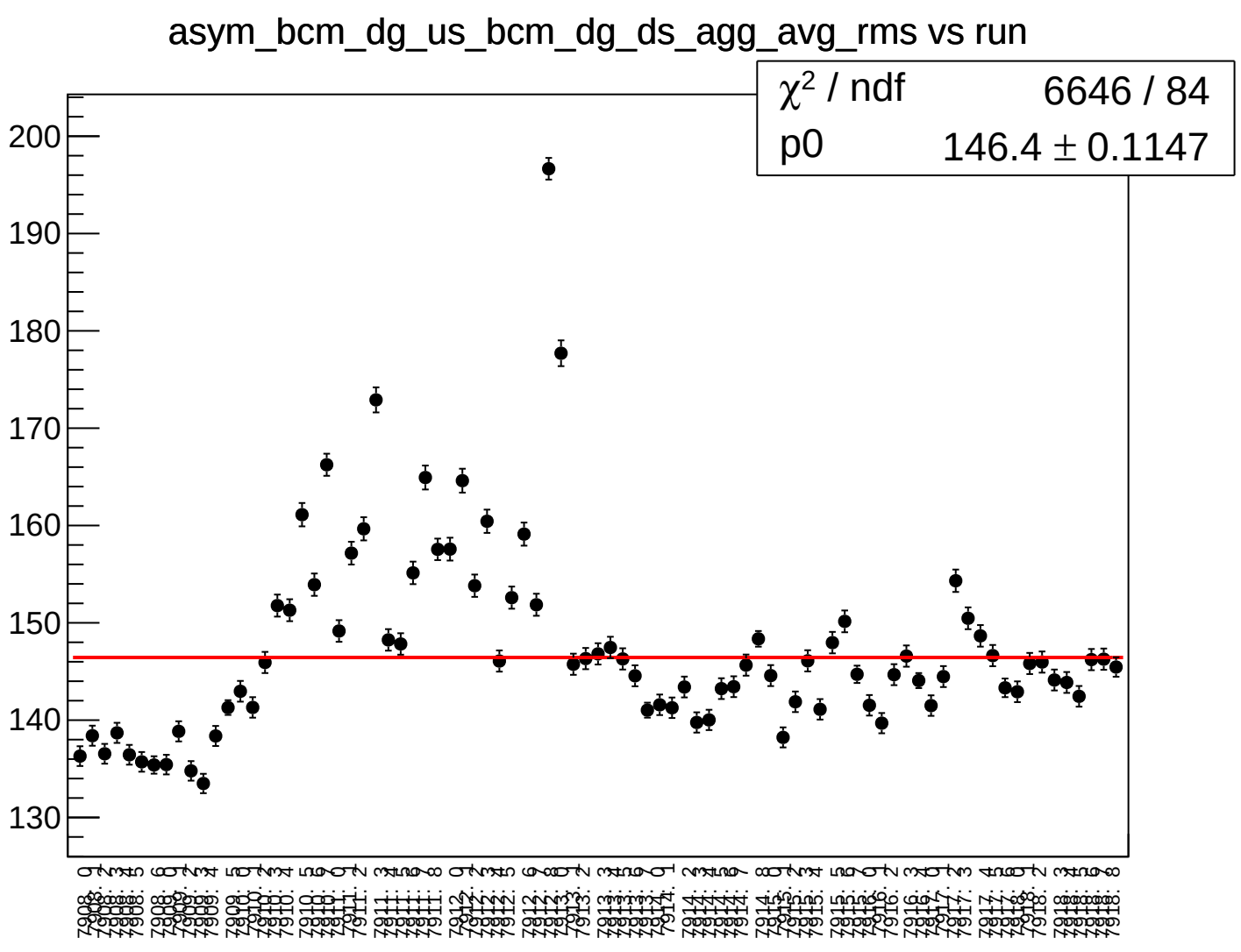

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 6853 / 84
p0 146 ± 0.1144
200
190
180
170
160
150
140
130

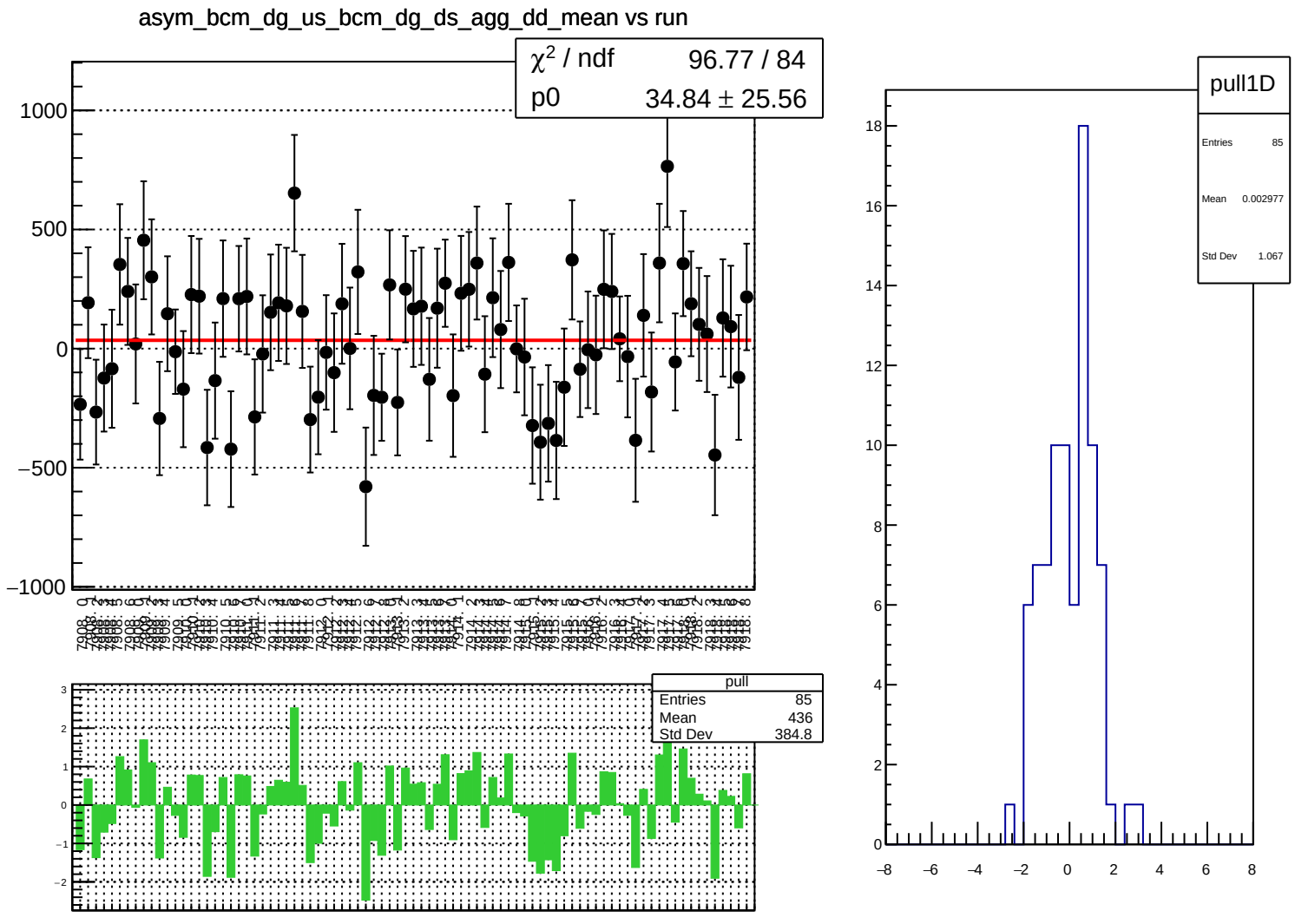

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 129.8 / 84
p0 −46.04 ± 18.92
pull
Entries 85
Mean 322.1
Std Dev 323.3

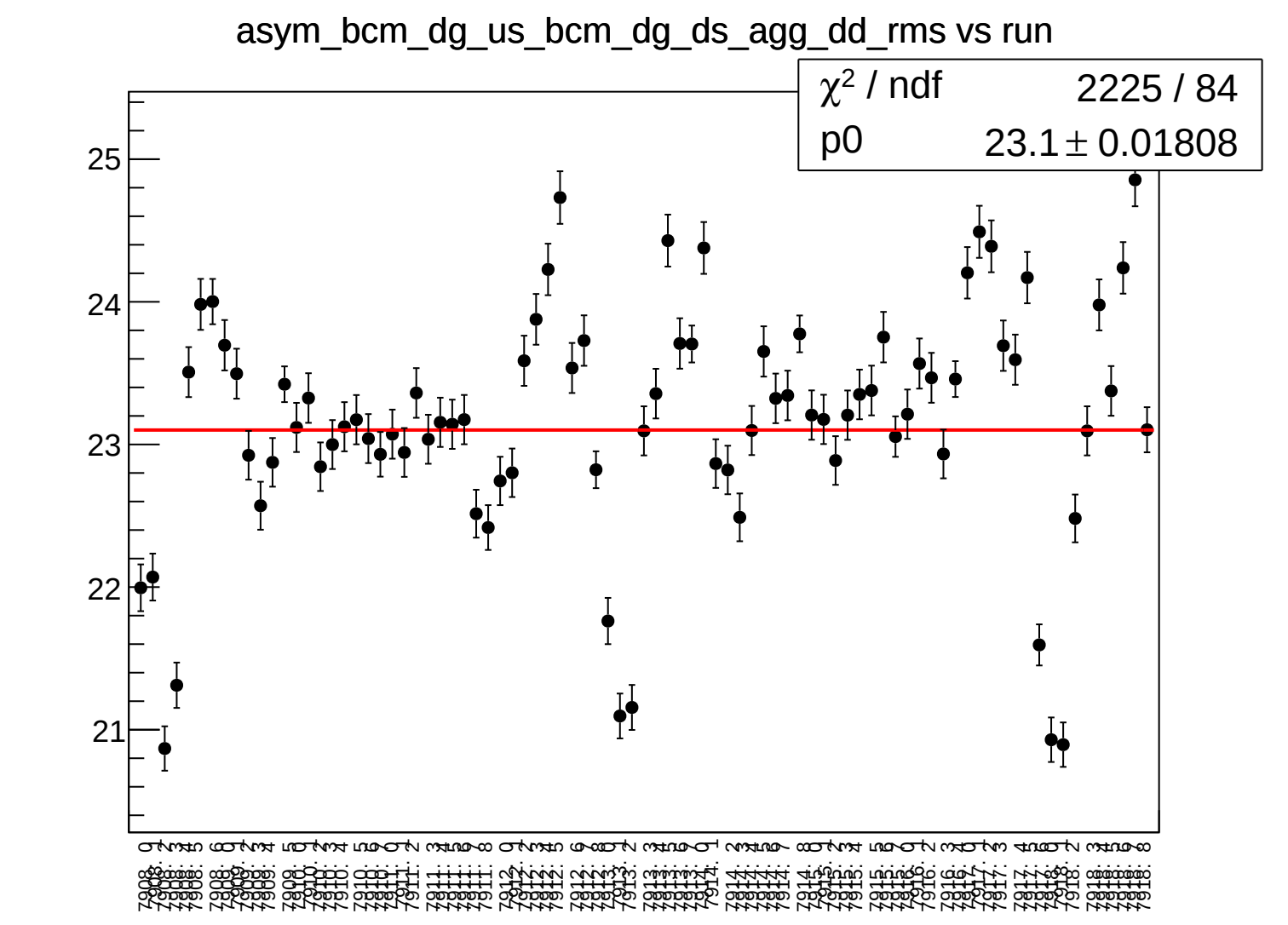

pull1D
Entries 85
Mean −0.002588
Std Dev 1.236

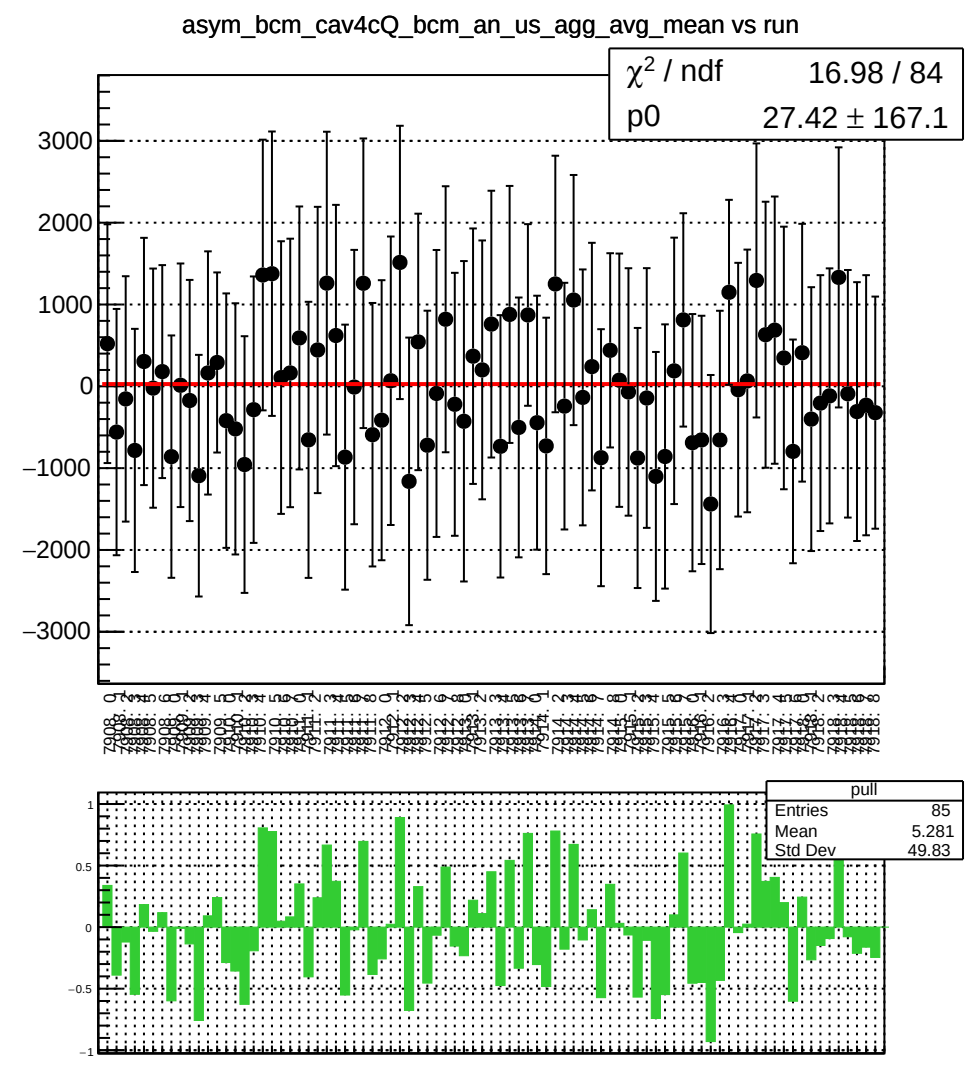

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 5747 / 84
p0 17.08 ± 0.01338
20
19
18
17
16
15

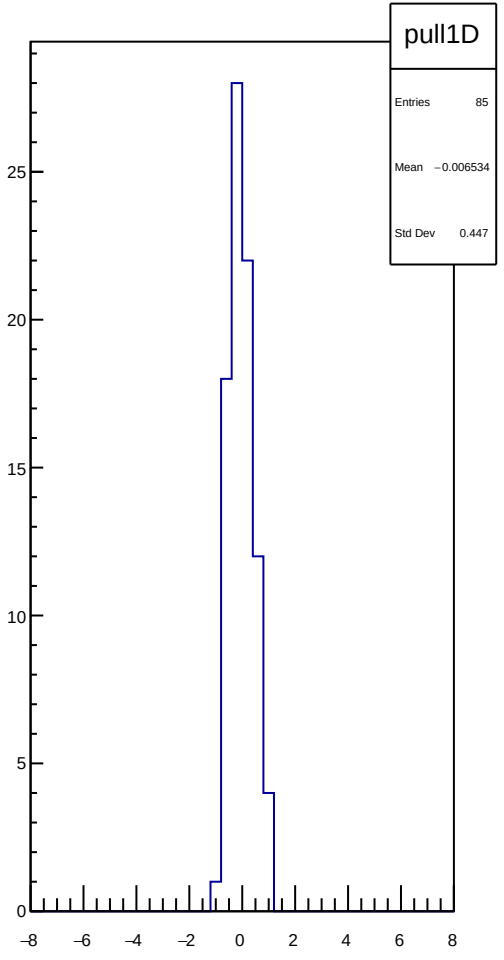

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 19.07 / 84
p0 6.809 ± 162.3
pull
Entries 85
Mean 67.99
Std Dev 17.96
pull1D
Entries 85
Mean −0.005442
Std Dev 0.4737

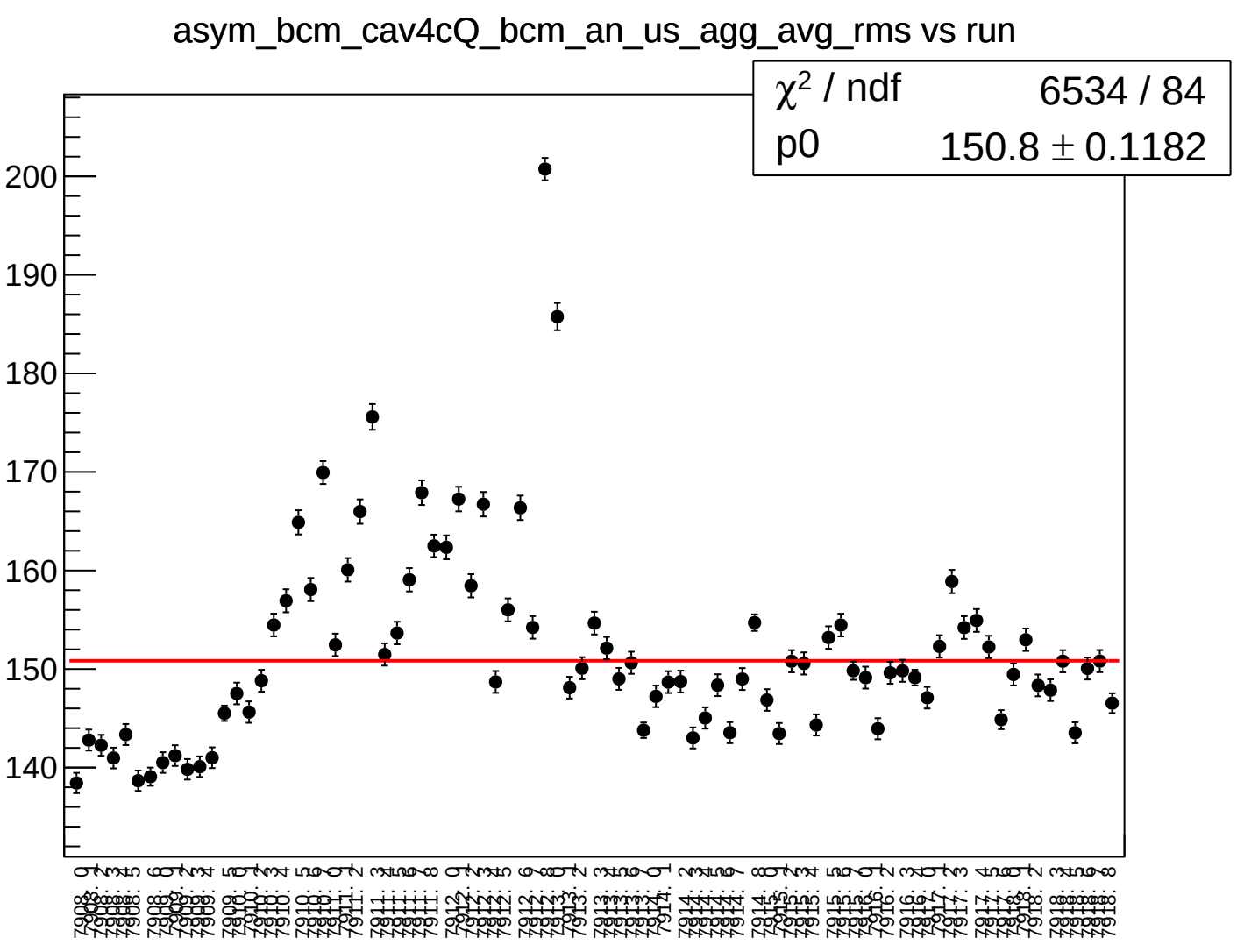

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 6646 / 84
p0 146.4 ± 0.1147
200
190
180
170
160
150
140
130

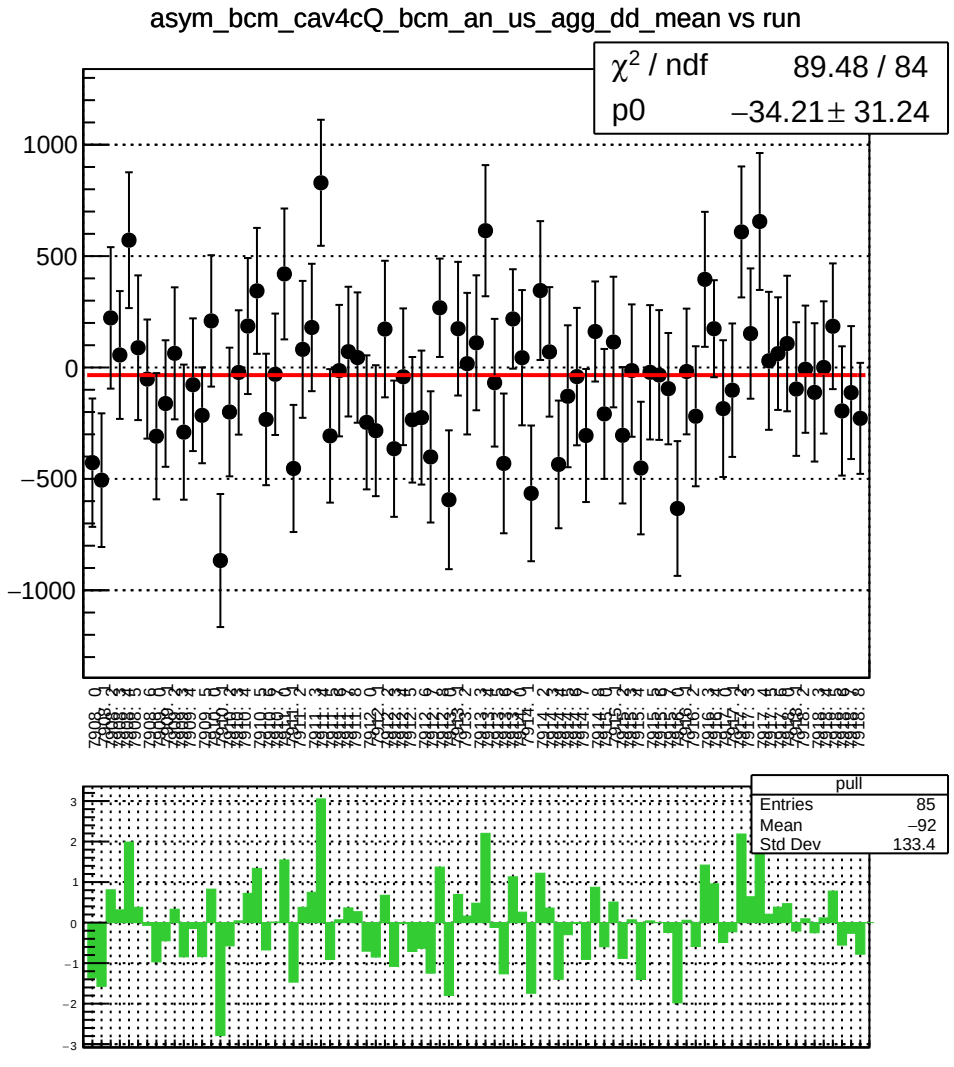

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 96.77 / 84
p0 34.84 ± 25.56
1000
500
0
−500
−1000
pull
Entries 85
Mean 436
Std Dev 384.8
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.002977
Std Dev 1.067
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

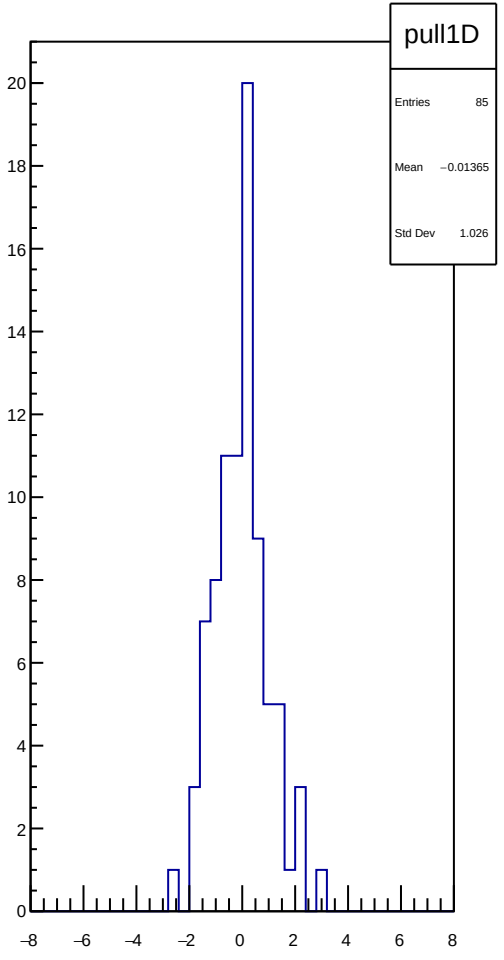

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2225 / 84
p0 23.1 ± 0.01808
25
24
23
22
21

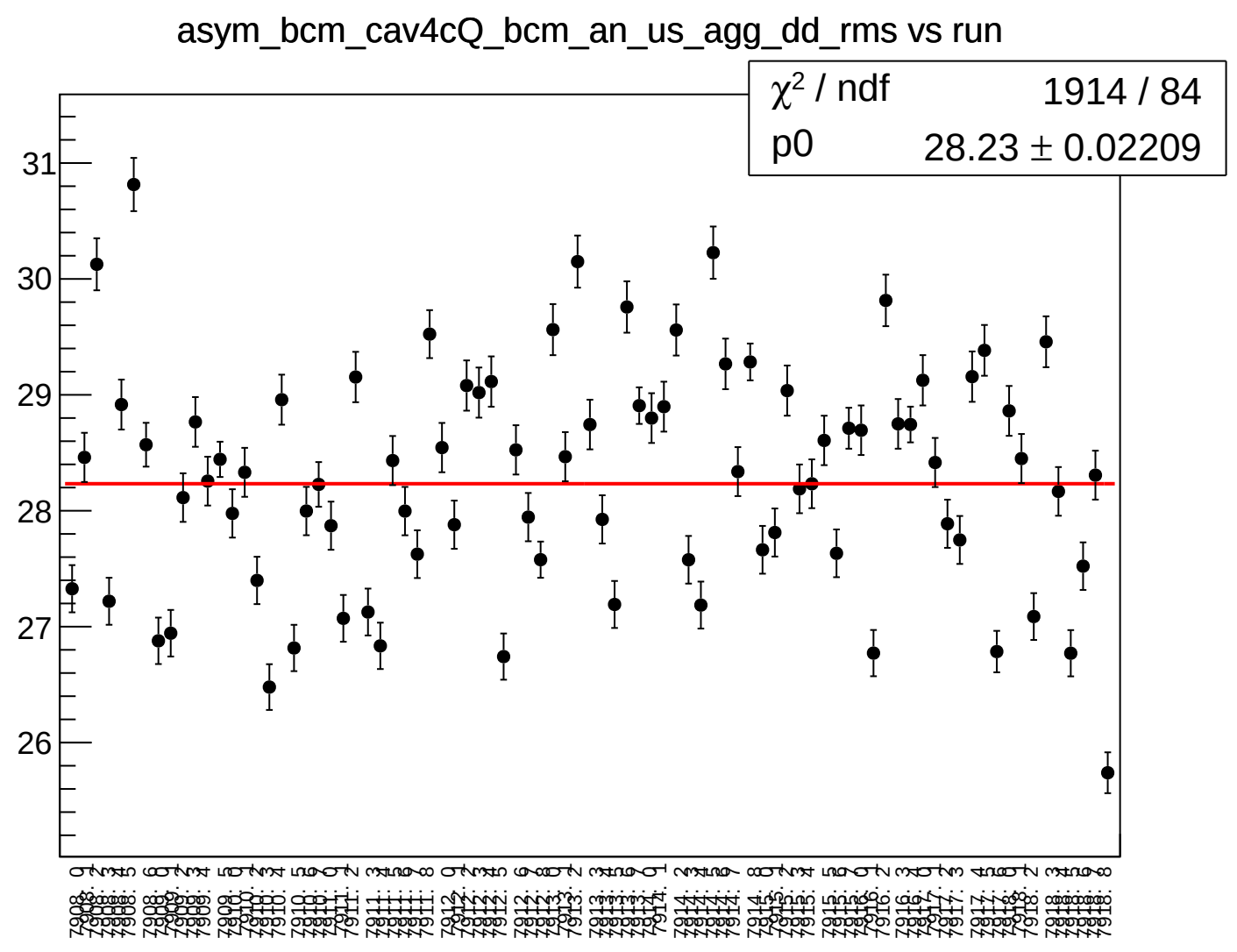

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 16.98 / 84
p0 27.42 ± 167.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 5.281
Std Dev 49.83
1
0.5
0
−0.5
−1

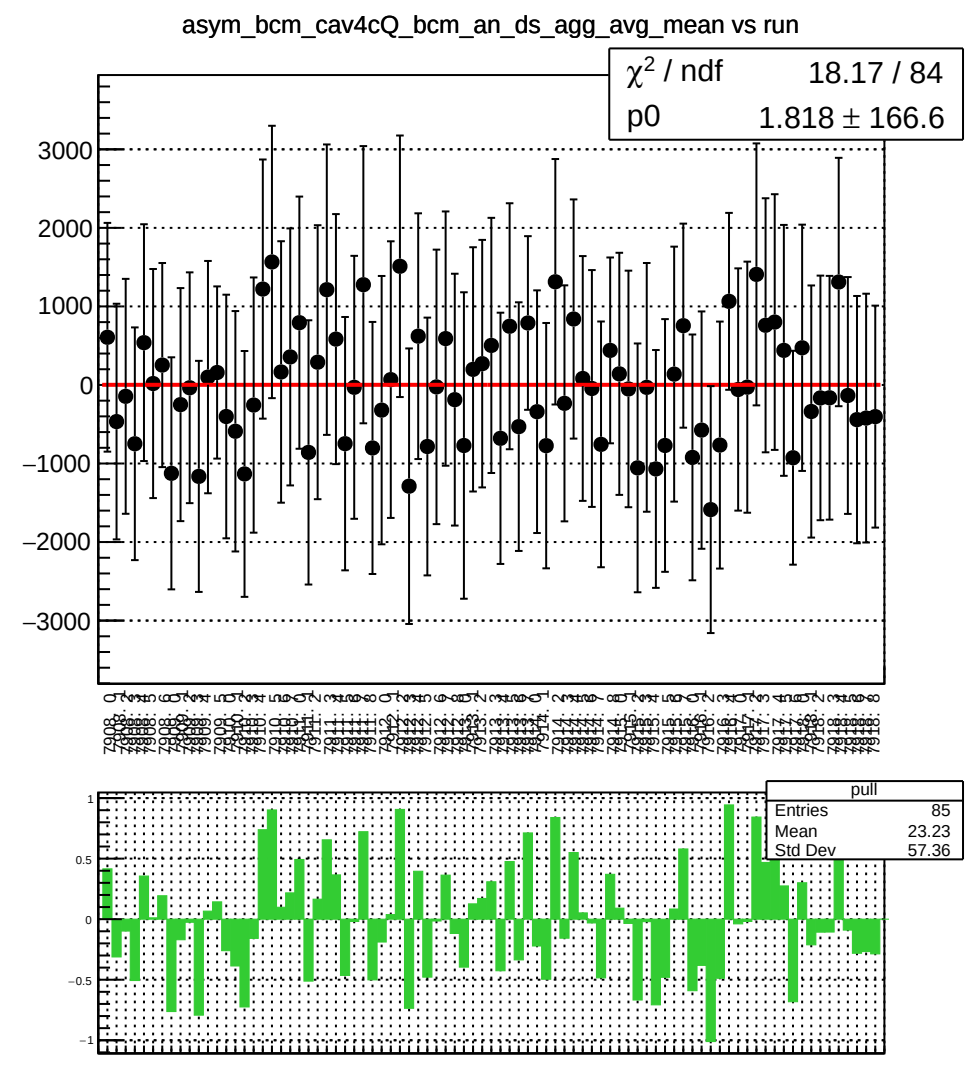

pull1D
Entries 85
Mean −0.006534
Std Dev 0.447
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

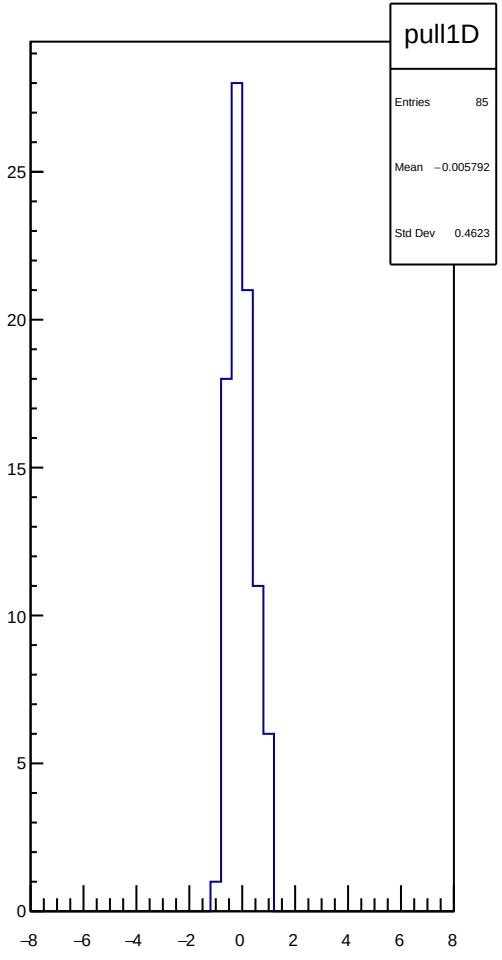

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 6534 / 84
p0 150.8 ± 0.1182
200
190
180
170
160
150
140

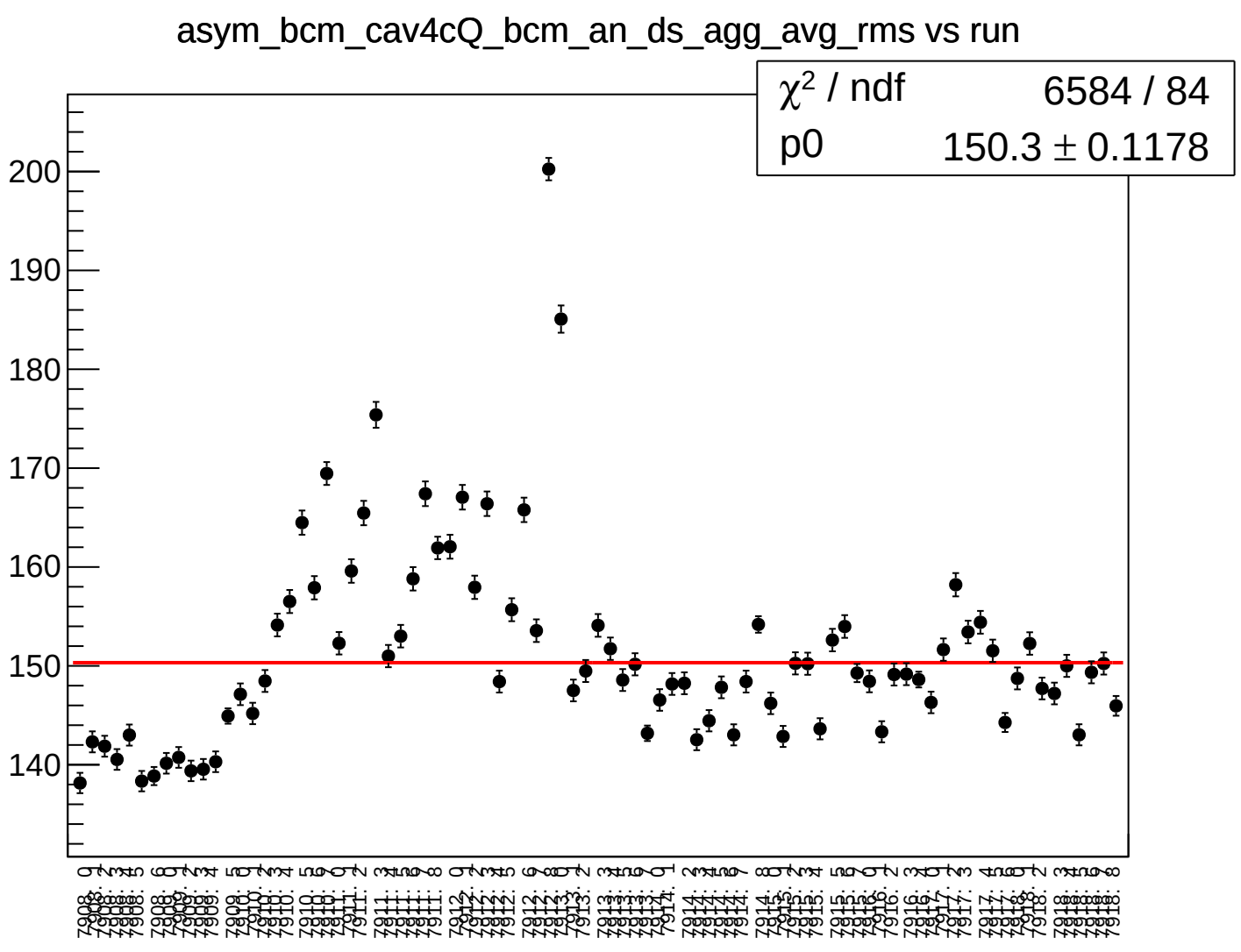

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 89.48 / 84
p0 −34.21 ± 31.24
pull
Entries 85
Mean −92
Std Dev 133.4

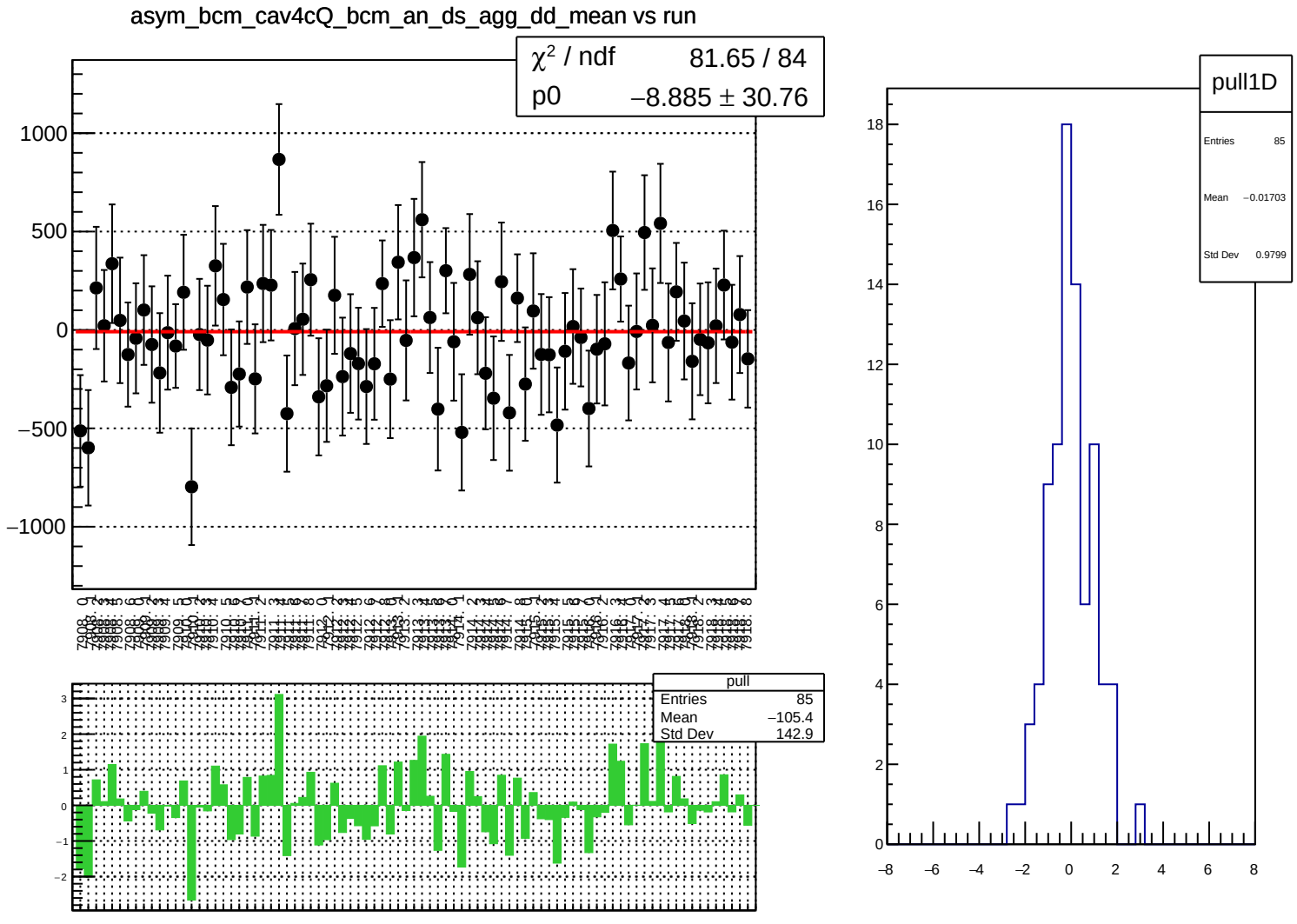

pull1D
Entries 85
Mean −0.01365
Std Dev 1.026

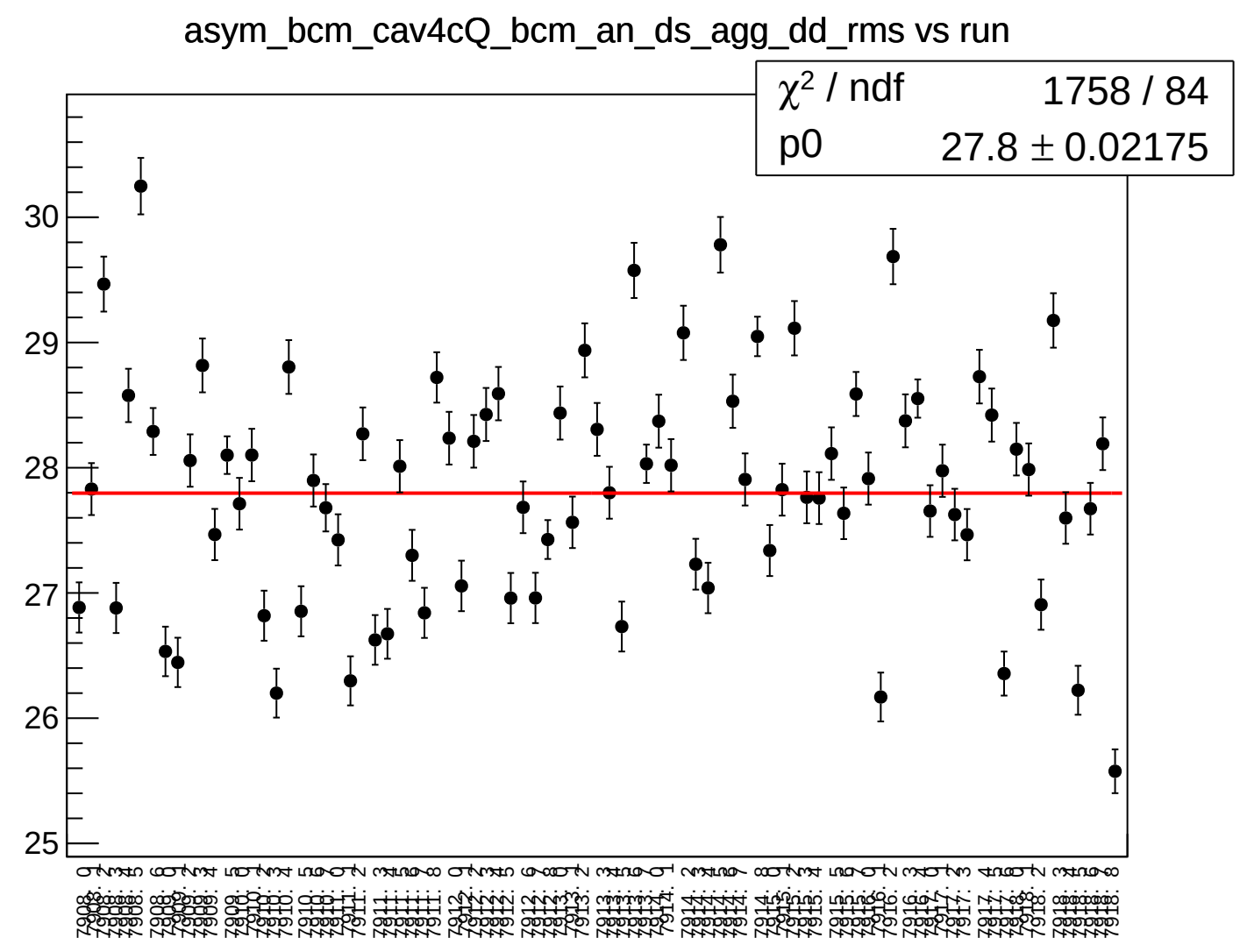

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1914 / 84
p0 28.23 ± 0.02209
31
30
29
28
27
26

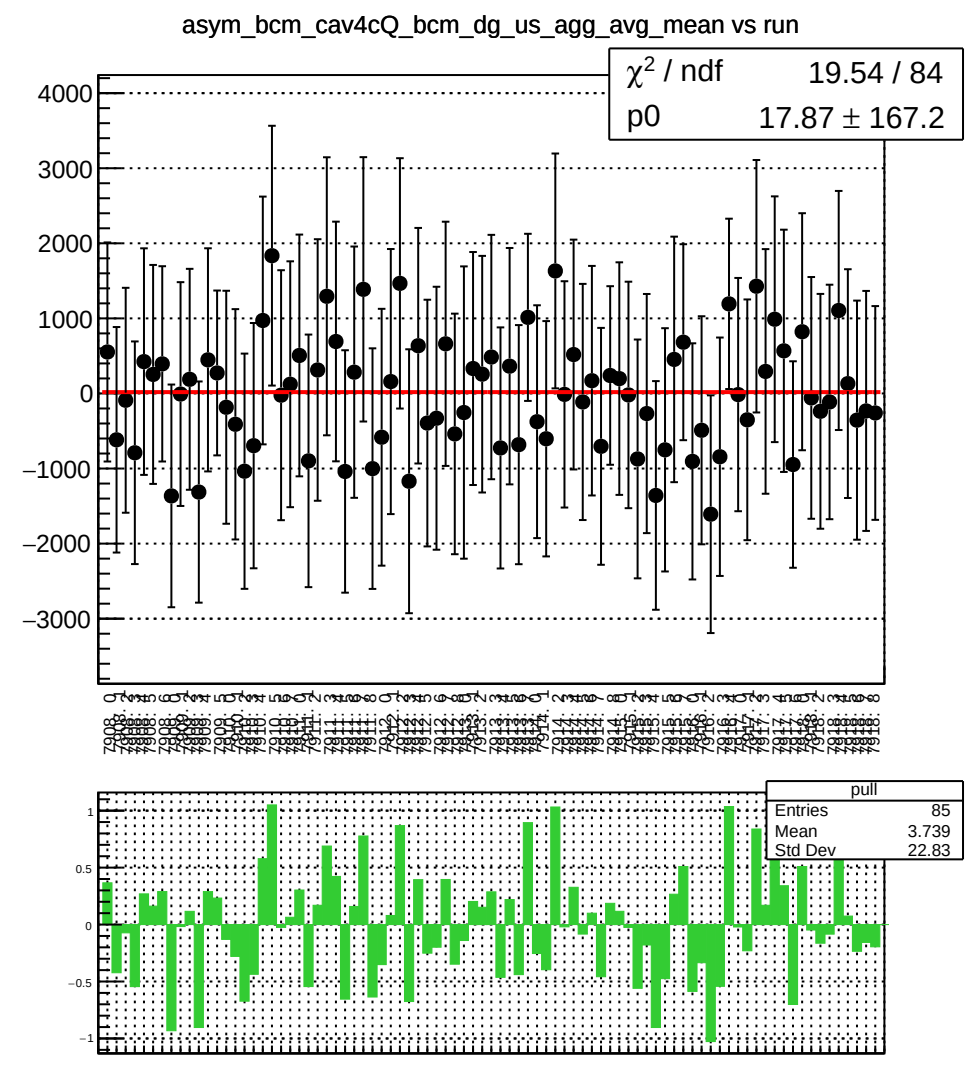

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.17 / 84
p0 1.818 ± 166.6
pull
Entries 85
Mean 23.23
Std Dev 57.36

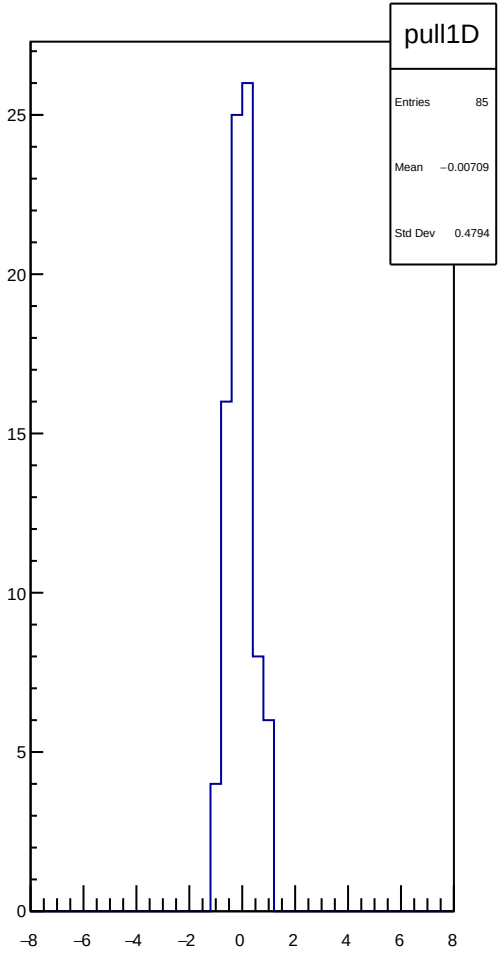

pull1D
Entries 85
Mean −0.005792
Std Dev 0.4623

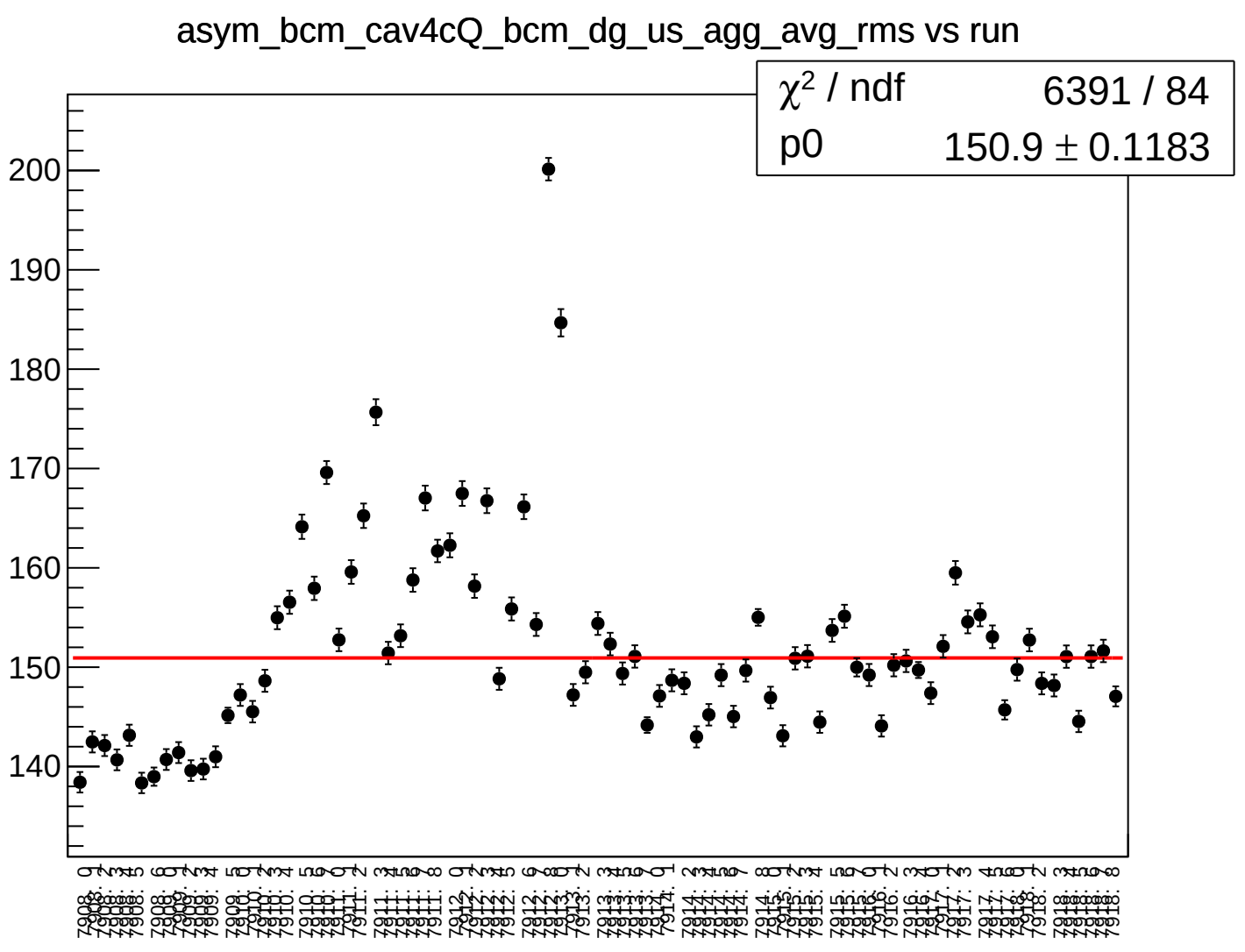

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 6584 / 84
p0 150.3 ± 0.1178
200
190
180
170
160
150
140

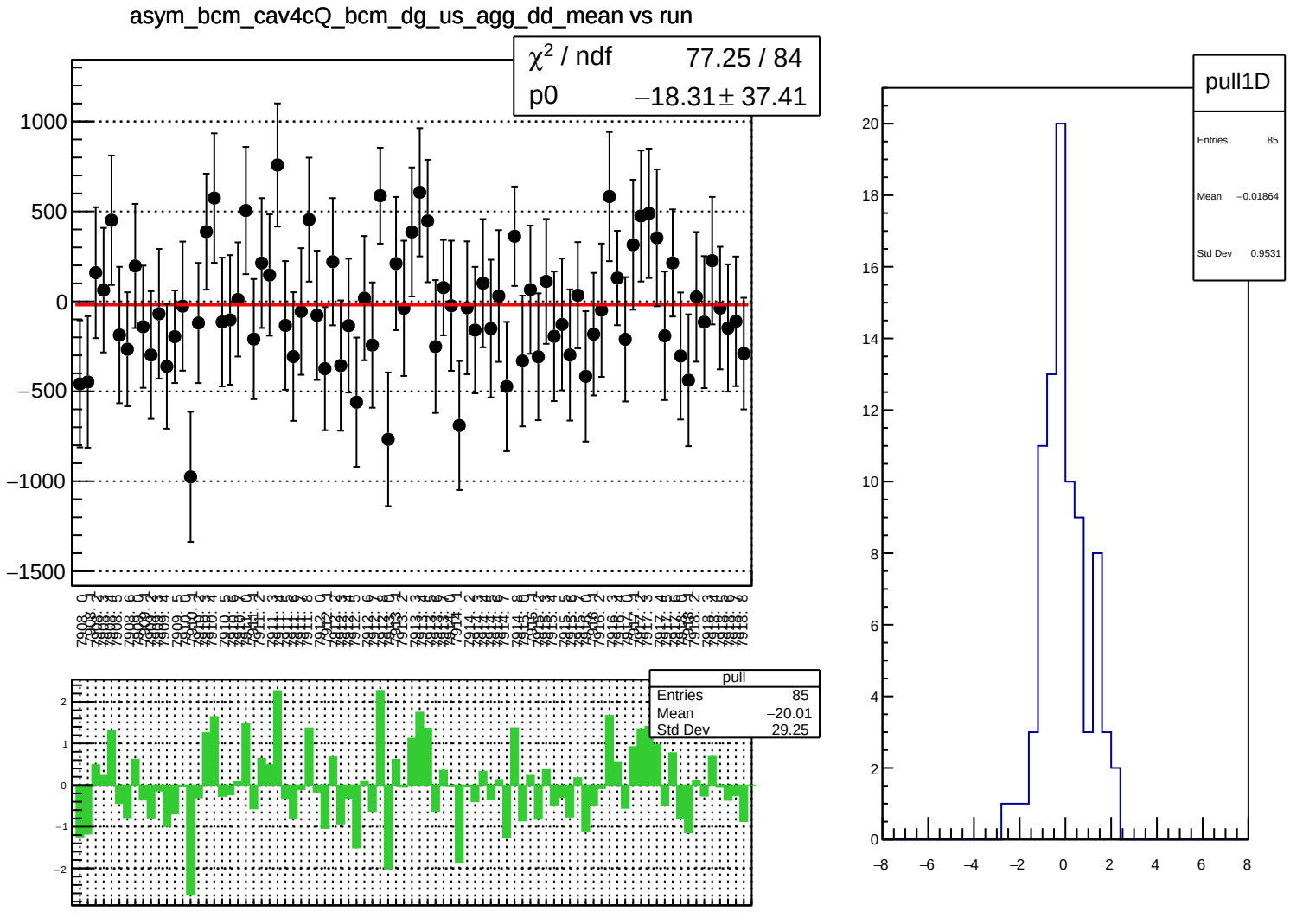

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 81.65 / 84
p0 −8.885 ± 30.76
1000
500
0
−500
−1000
pull
Entries 85
Mean −105.4
Std Dev 142.9
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01703
Std Dev 0.9799
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

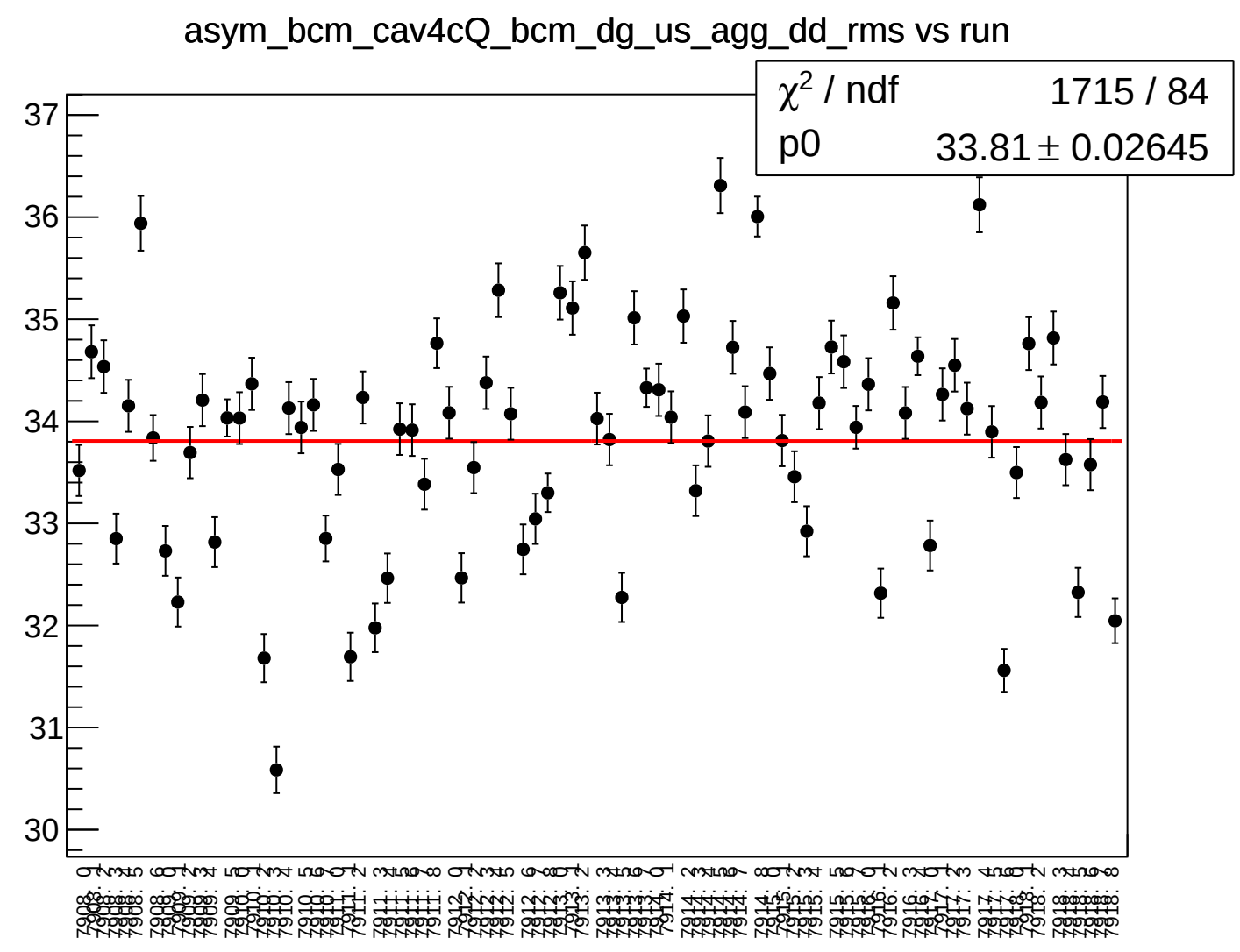

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1758 / 84
p0 27.8 ± 0.02175
30
29
28
27
26
25

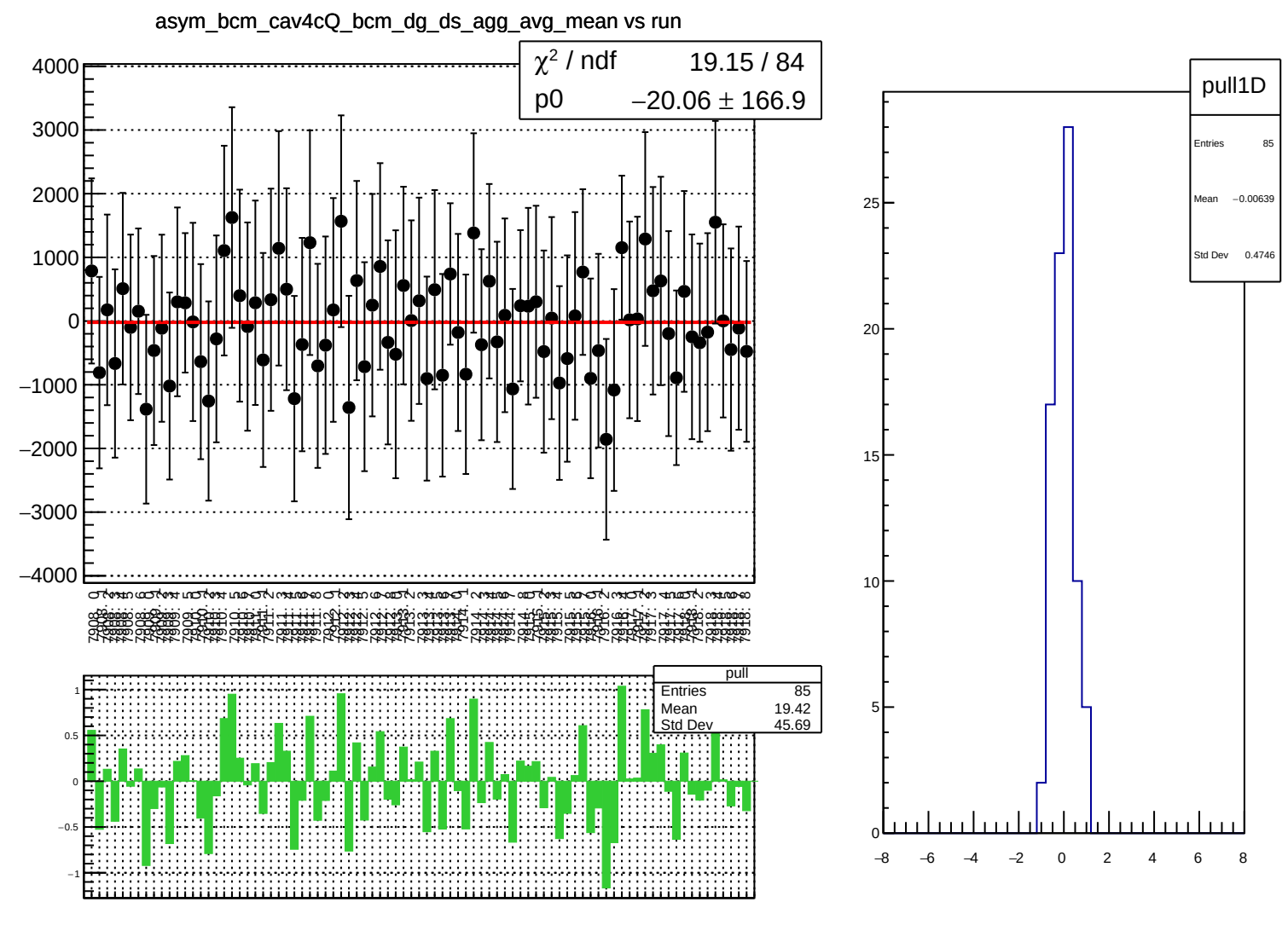

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 19.54 / 84
p0 17.87 ± 167.2
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 3.739
Std Dev 22.83
1
0.5
0
−0.5
−1

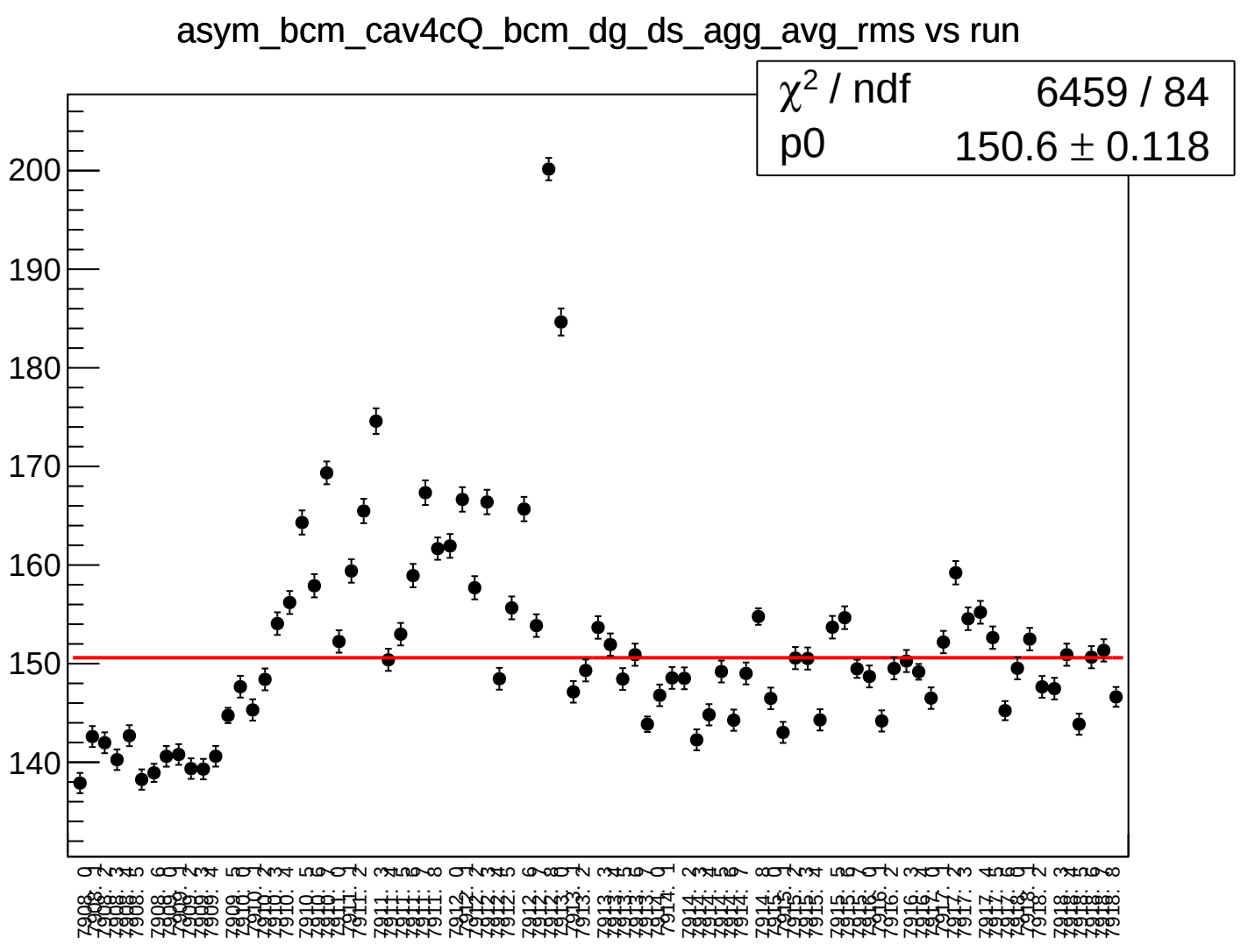

pull1D
Entries 85
Mean −0.00709
Std Dev 0.4794
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

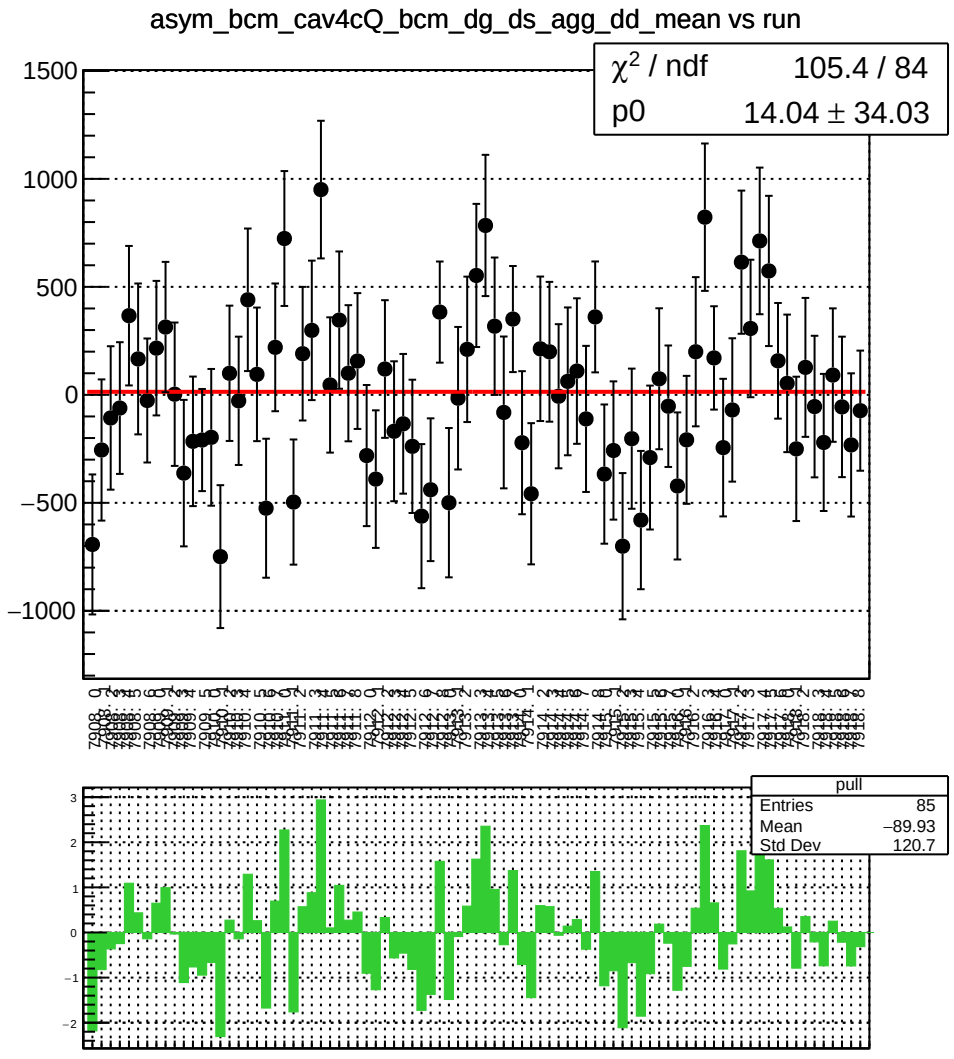

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 6391 / 84
p0 150.9 ± 0.1183
200
190
180
170
160
150
140

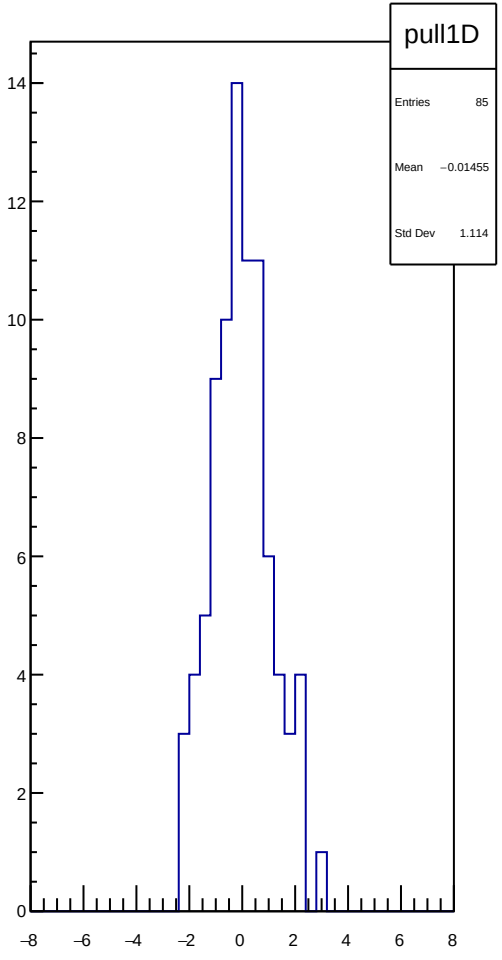

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 77.25 / 84
p0 −18.31 ± 37.41
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean −20.01
Std Dev 29.25
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01864
Std Dev 0.9531
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

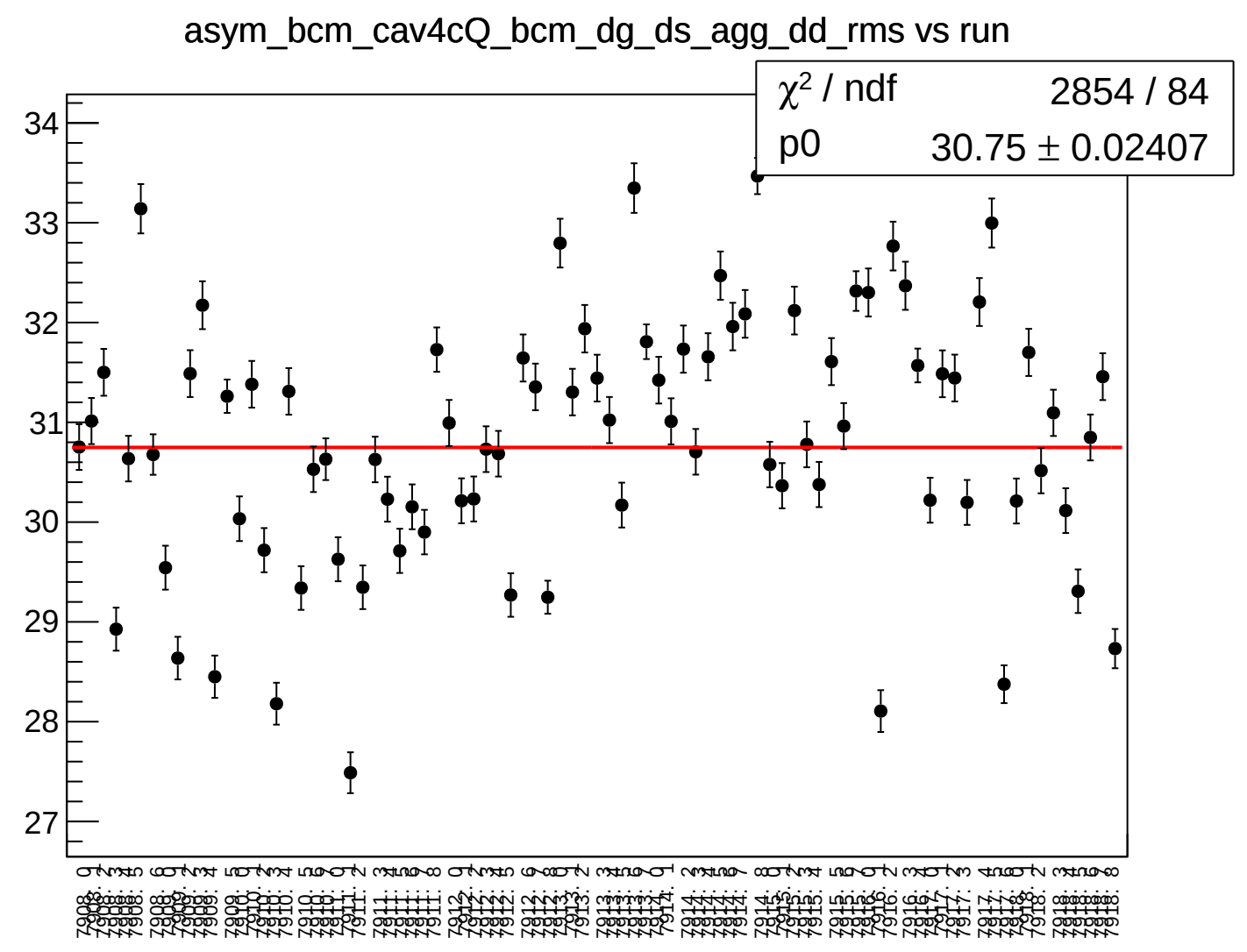

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1715 / 84
p0 33.81 ± 0.02645
37
36
35
34
33
32
31
30

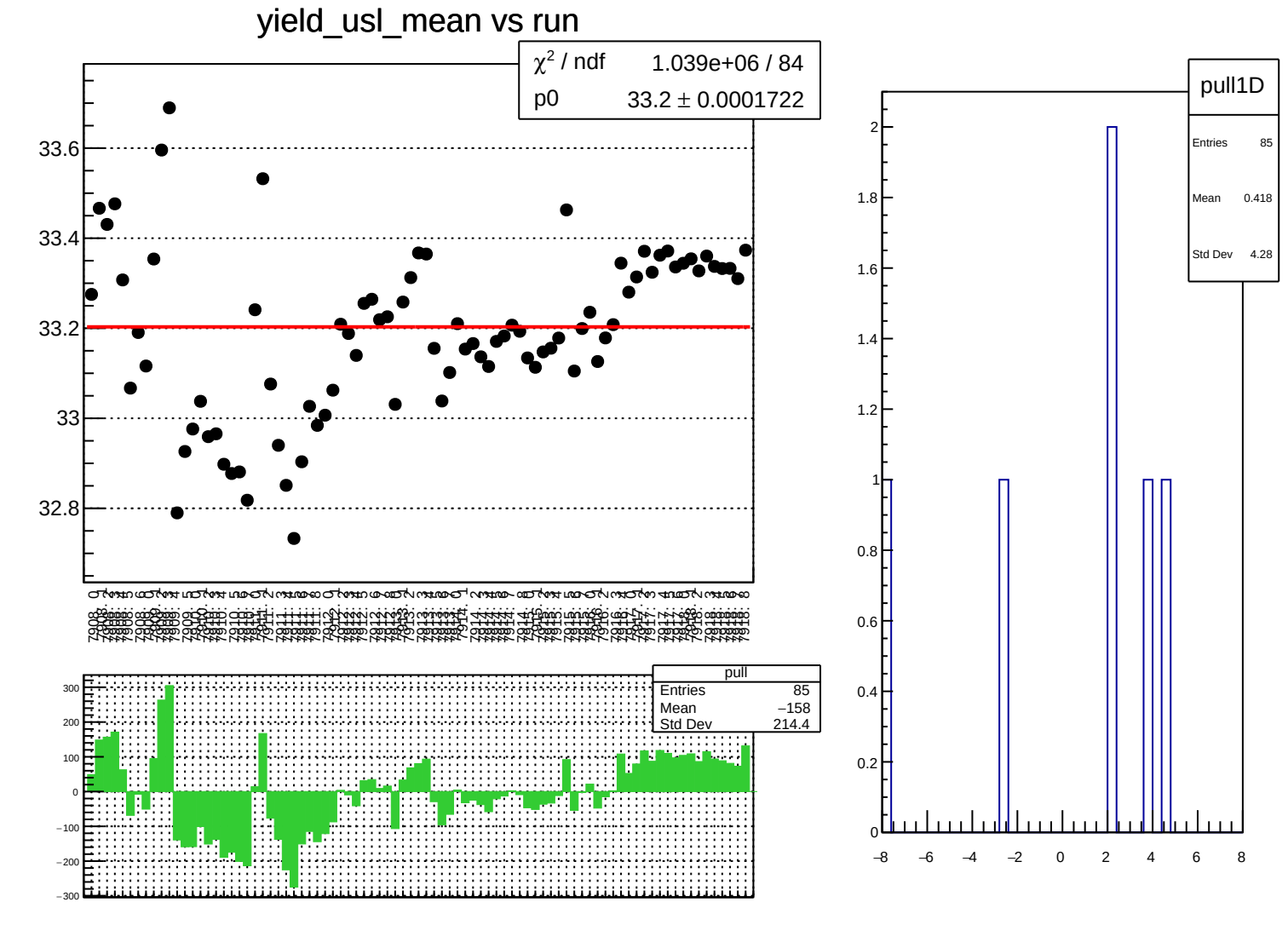

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 19.15 / 84
p0 −20.06 ± 166.9
pull
Entries 85
Mean 19.42
Std Dev 45.69
pull1D
Entries 85
Mean −0.00639
Std Dev 0.4746

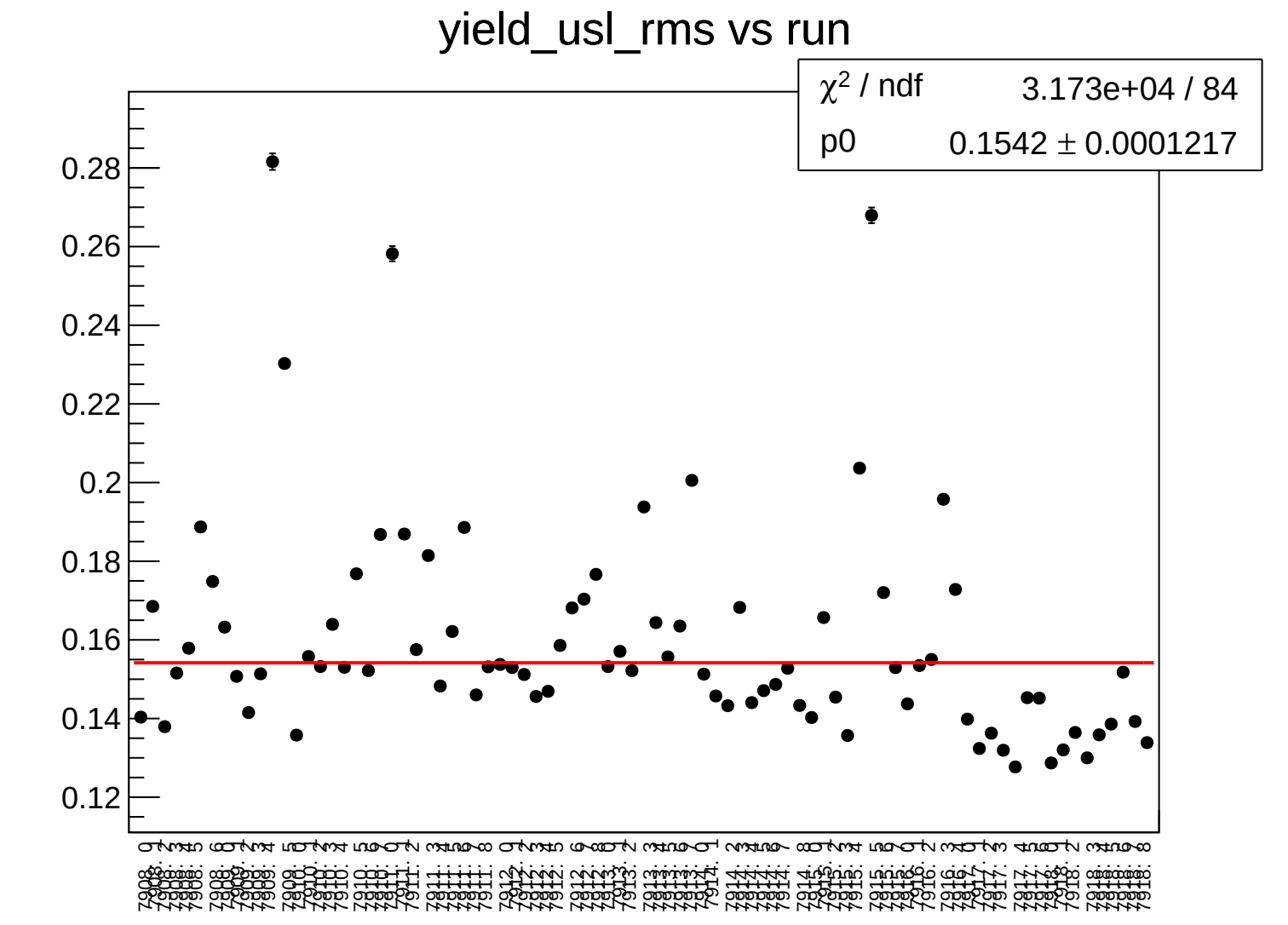

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 6459 / 84
p0 150.6 ± 0.118
200
190
180
170
160
150
140

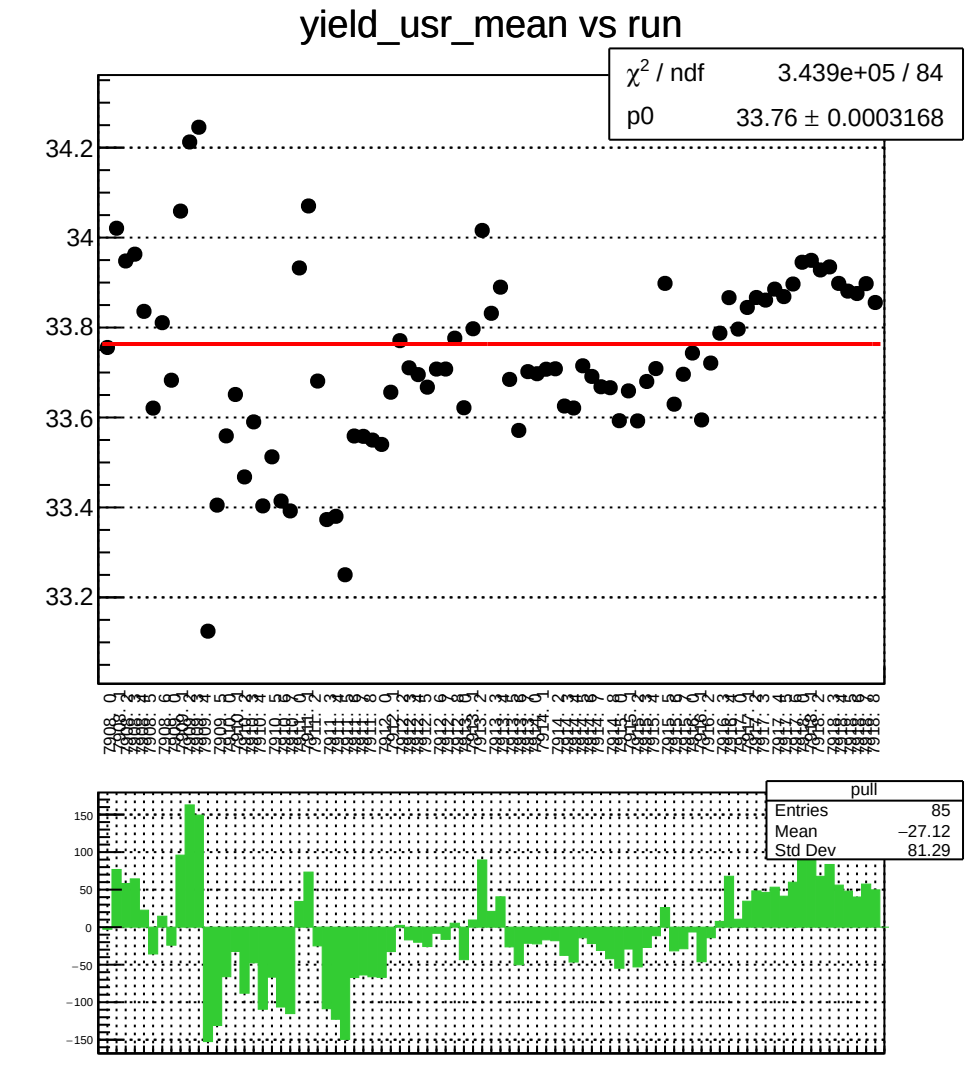

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 105.4 / 84
p0 14.04 ± 34.03
pull
Entries 85
Mean −89.93
Std Dev 120.7

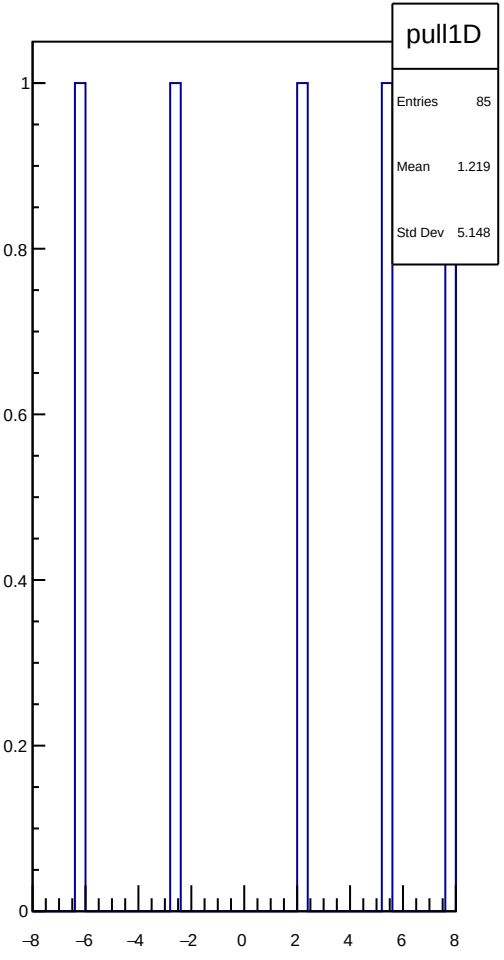

pull1D
Entries 85
Mean −0.01455
Std Dev 1.114

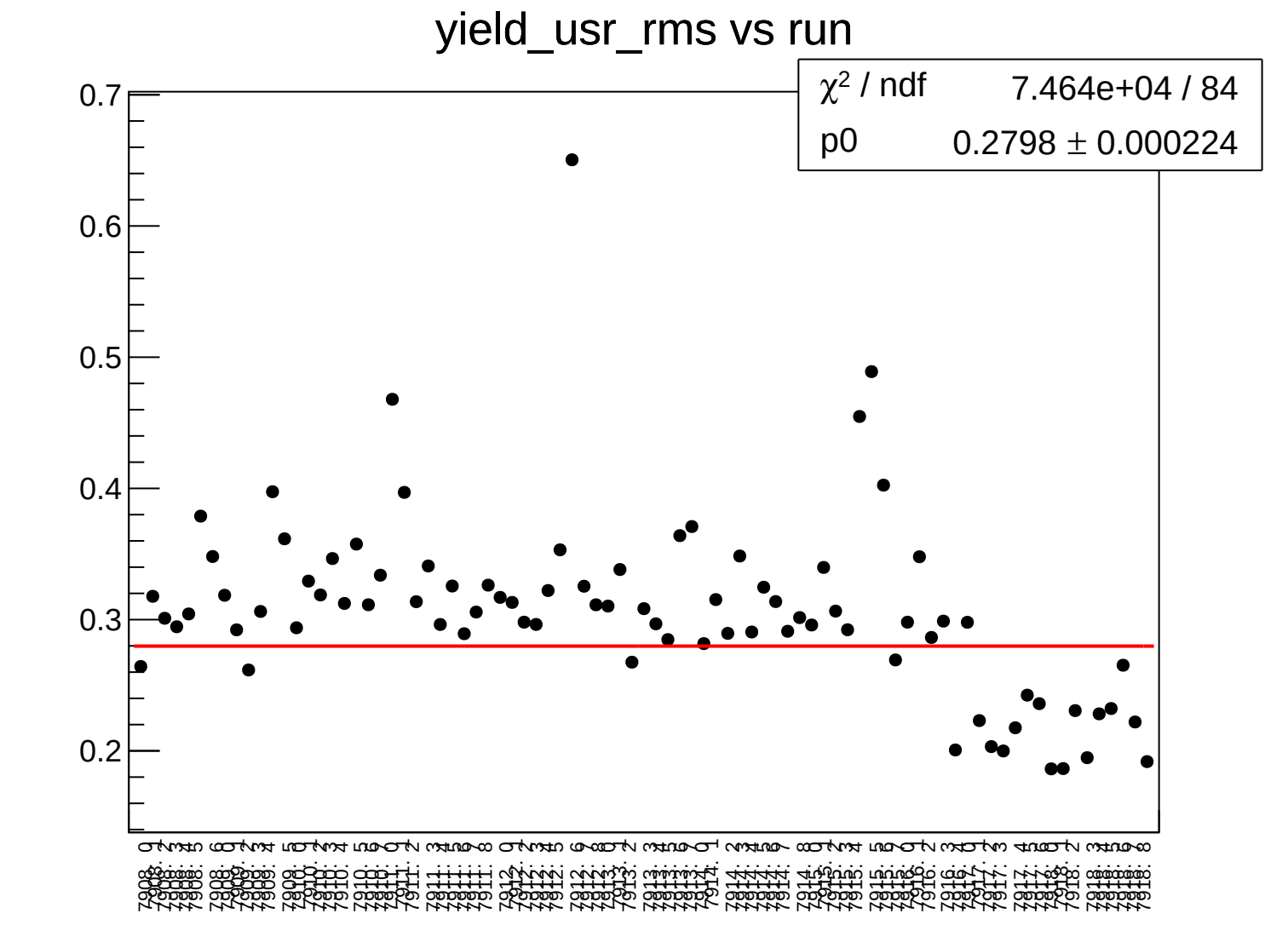

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2854 / 84
p0 30.75 ± 0.02407
34
33
32
31
30
29
28
27

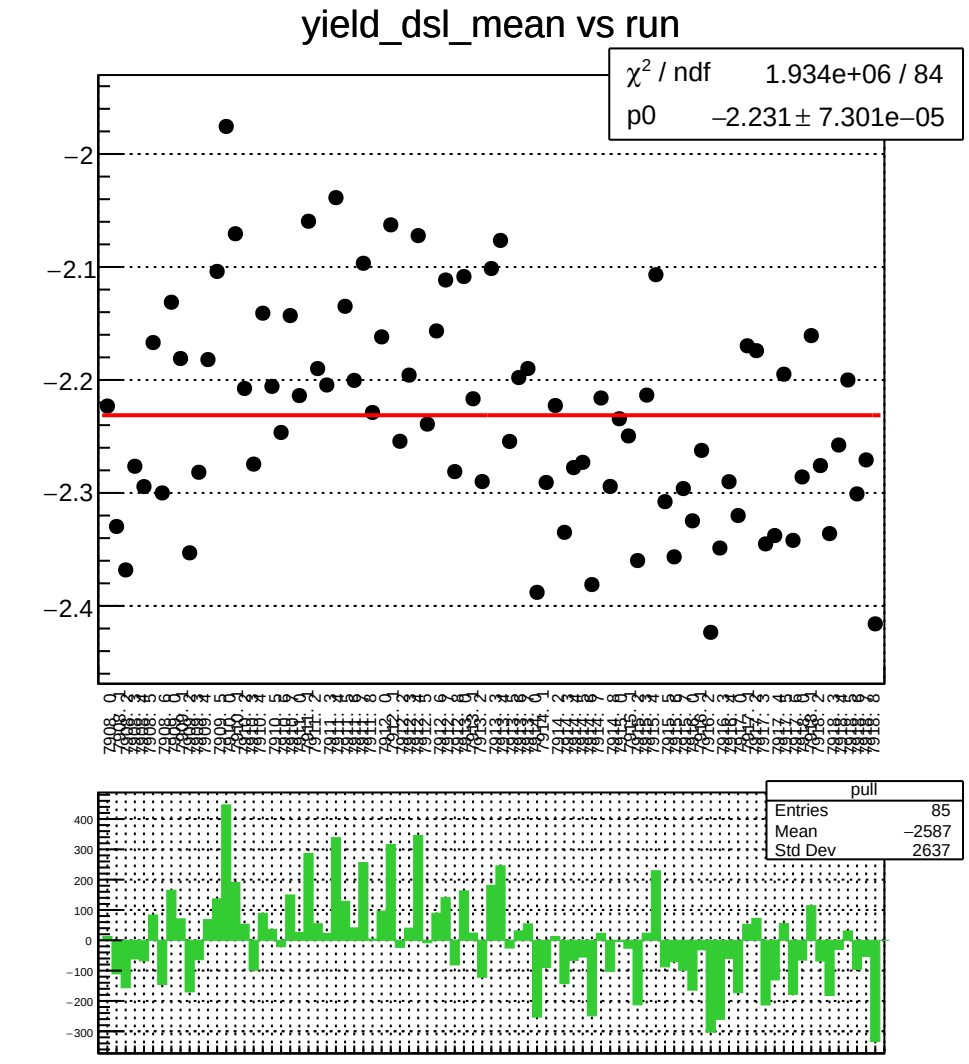

yield_usl_mean vs run
χ² / ndf 1.039e+06 / 84
p0 33.2 ± 0.0001722
33.6
33.4
33.2
33
32.8
pull
Entries 85
Mean −158
Std Dev 214.4
300
200
100
0
−100
−200
−300
pull1D
Entries 85
Mean 0.418
Std Dev 4.28
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

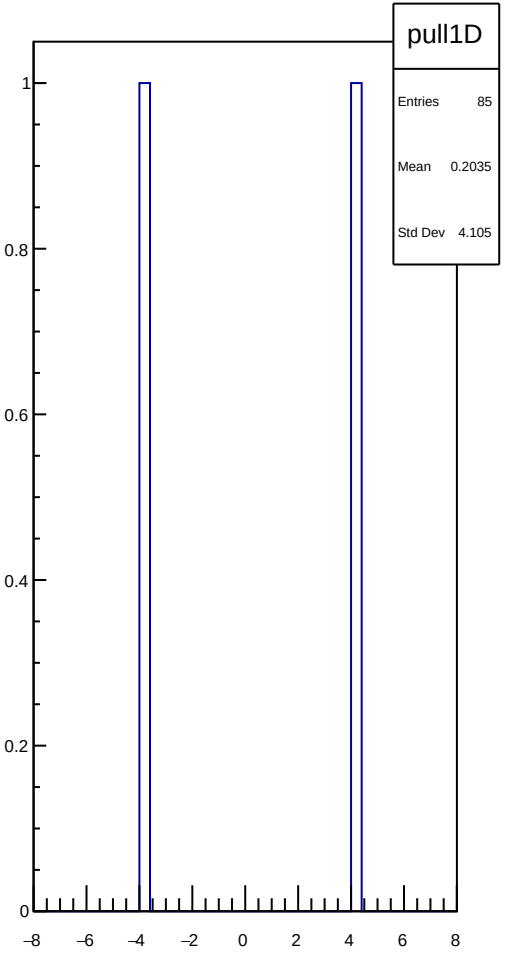

yield_usl_rms vs run
χ2 / ndf 3.173e+04 / 84
p0 0.1542 ± 0.0001217
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12

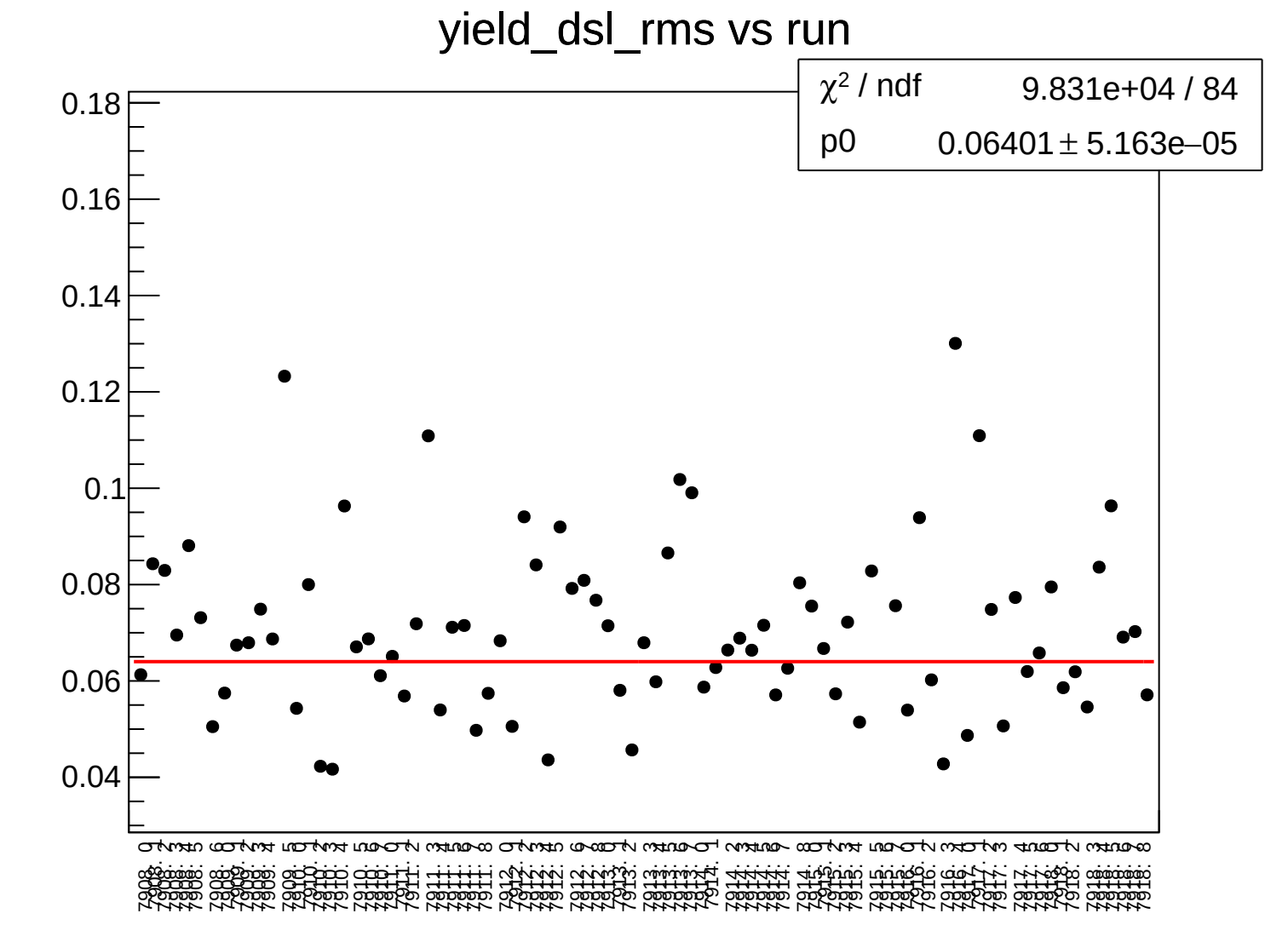

yield_usr_mean vs run
χ² / ndf 3.439e+05 / 84
p0 33.76 ± 0.0003168
34.2
34
33.8
33.6
33.4
33.2
pull
Entries 85
Mean −27.12
Std Dev 81.29
150
100
50
0
−50
−100
−150

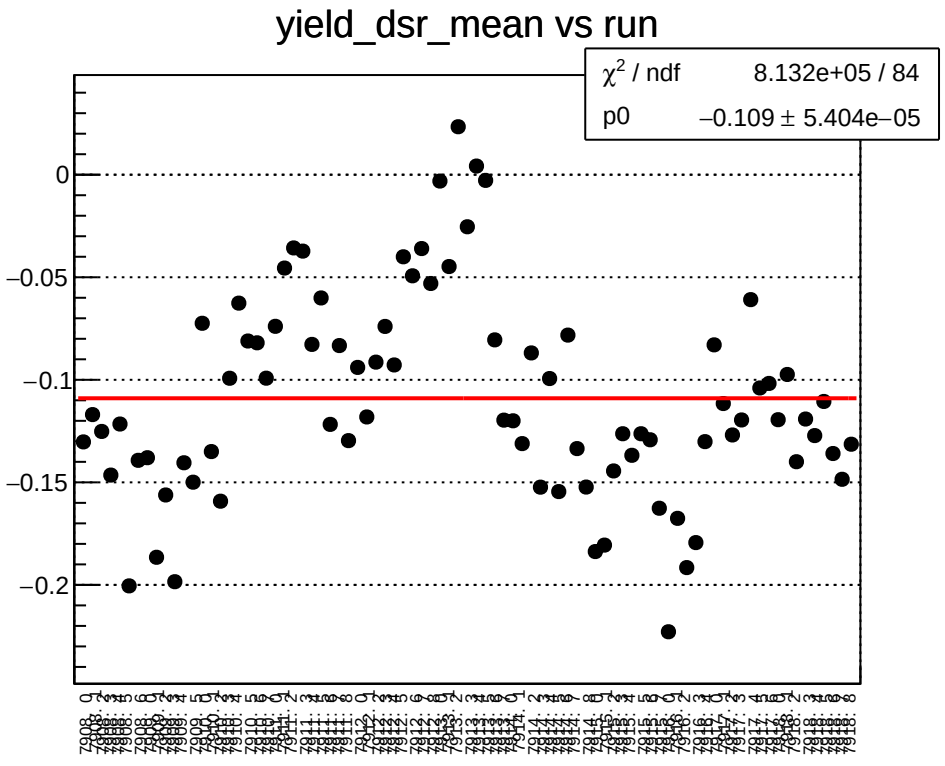

pull1D
Entries 85
Mean 1.219
Std Dev 5.148
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

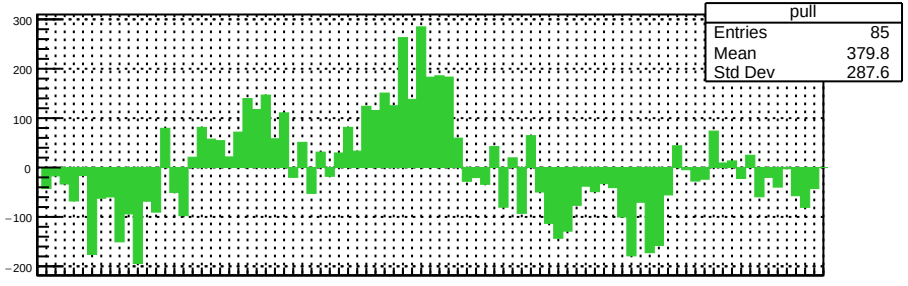

yield_usr_rms vs run
χ² / ndf 7.464e+04 / 84
p0 0.2798 ± 0.000224
0.7
0.6
0.5
0.4
0.3
0.2

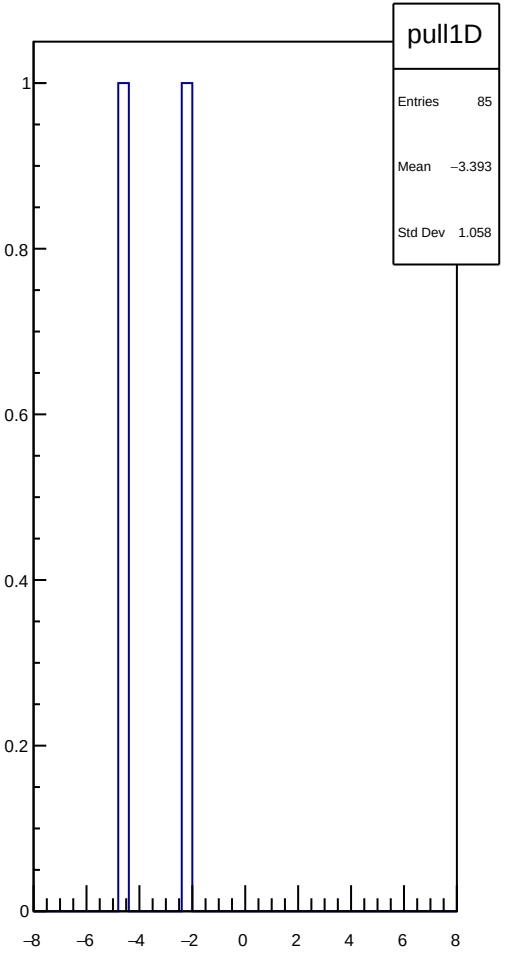

yield_dsl_mean vs run
χ² / ndf 1.934e+06 / 84
p0 −2.231 ± 7.301e−05
−2
−2.1
−2.2
−2.3
−2.4
pull
Entries 85
Mean −2587
Std Dev 2637
400
300
200
100
0
−100
−200
−300

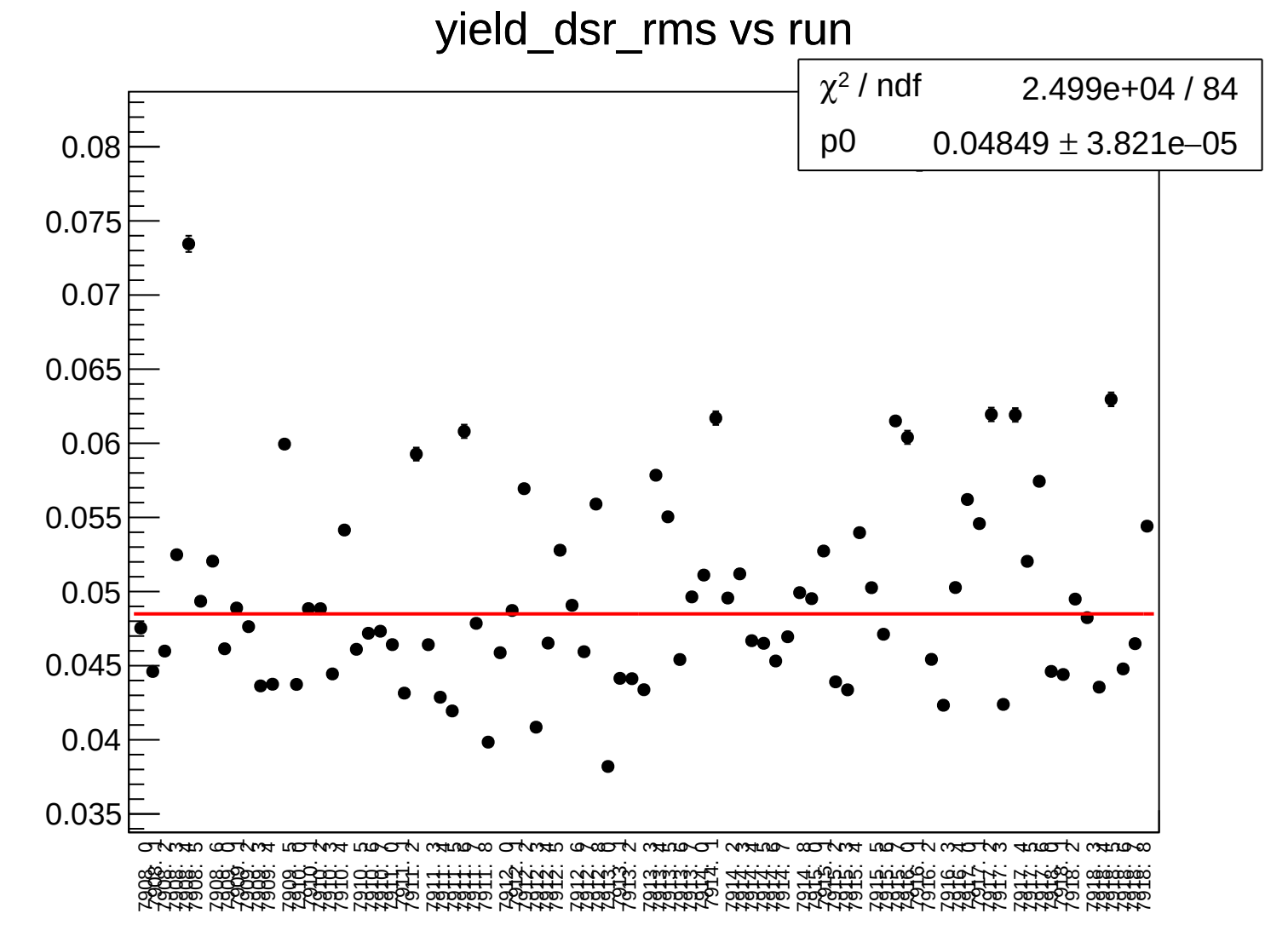

pull1D
Entries 85
Mean 0.2035
Std Dev 4.105
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

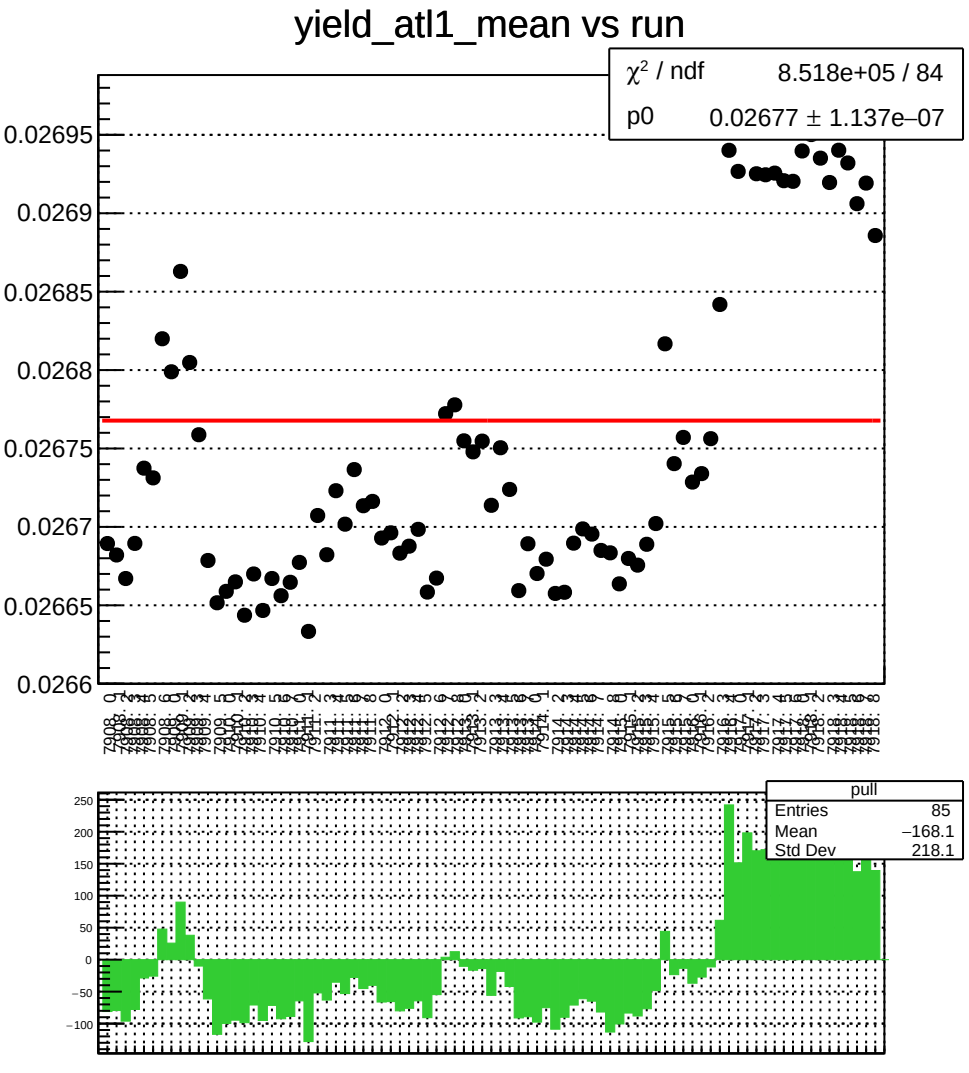

yield_dsl_rms vs run
χ² / ndf 9.831e+04 / 84
p0 0.06401 ± 5.163e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

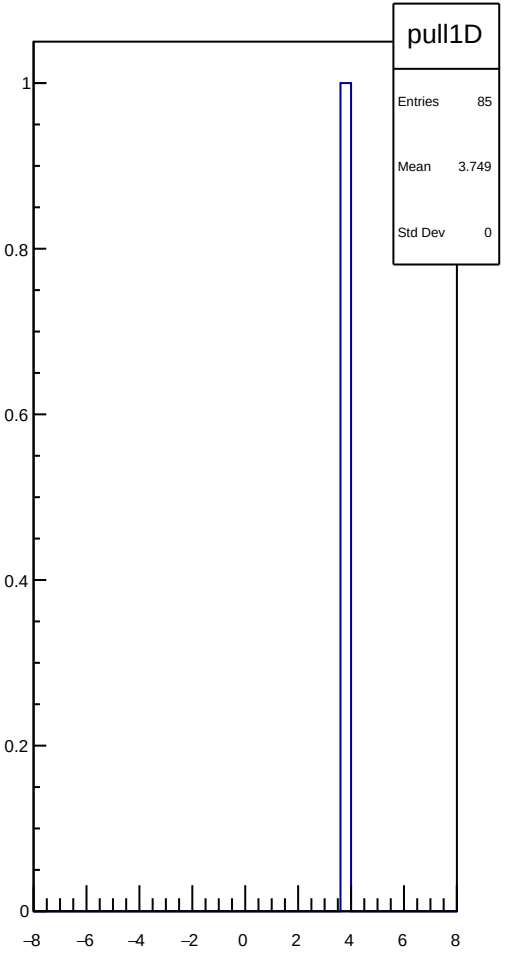

yield_dsr_mean vs run
χ² / ndf 8.132e+05 / 84
p0 −0.109 ± 5.404e−05
0
−0.05
−0.1
−0.15
−0.2

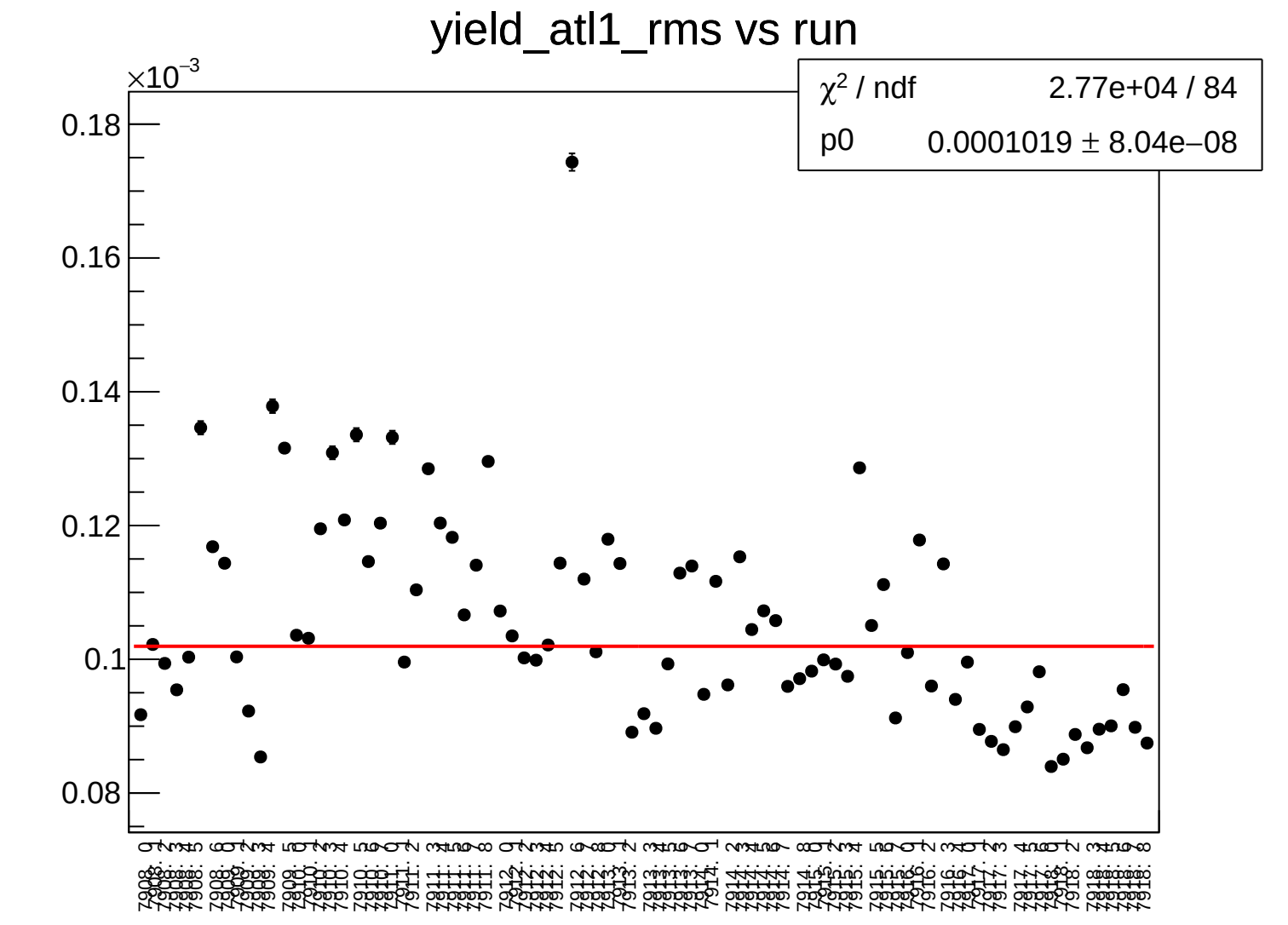

pull
Entries 85
Mean 379.8
Std Dev 287.6
300
200
100
0
−100
−200

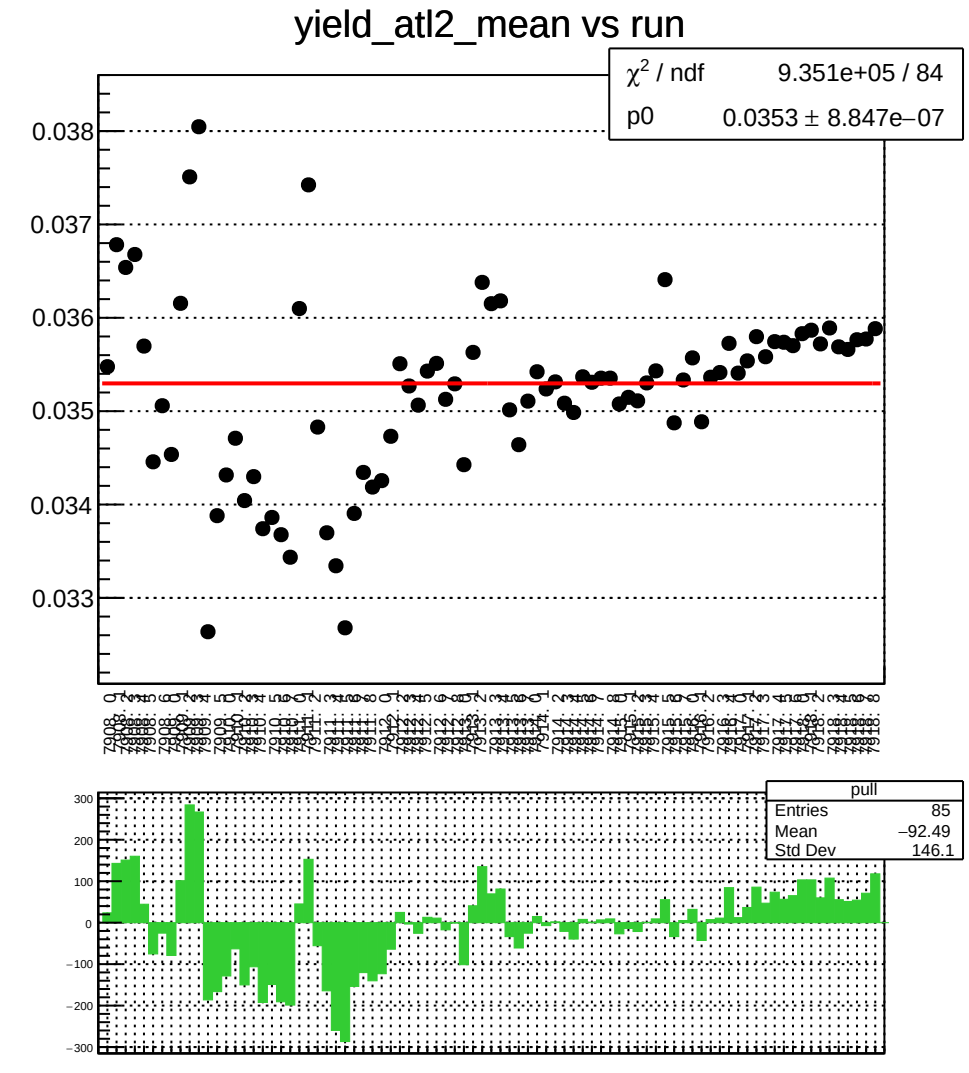

pull1D
Entries 85
Mean −3.393
Std Dev 1.058
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

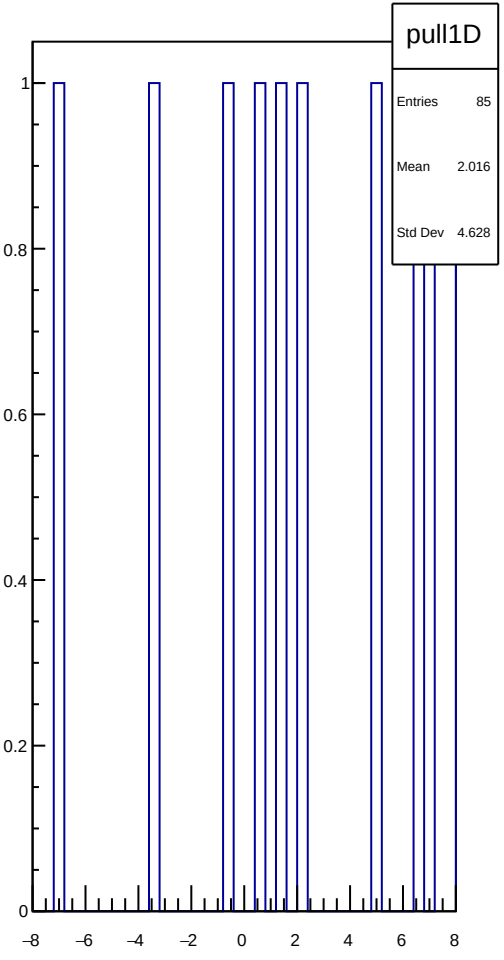

yield_dsr_rms vs run
χ² / ndf 2.499e+04 / 84
p0 0.04849 ± 3.821e−05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

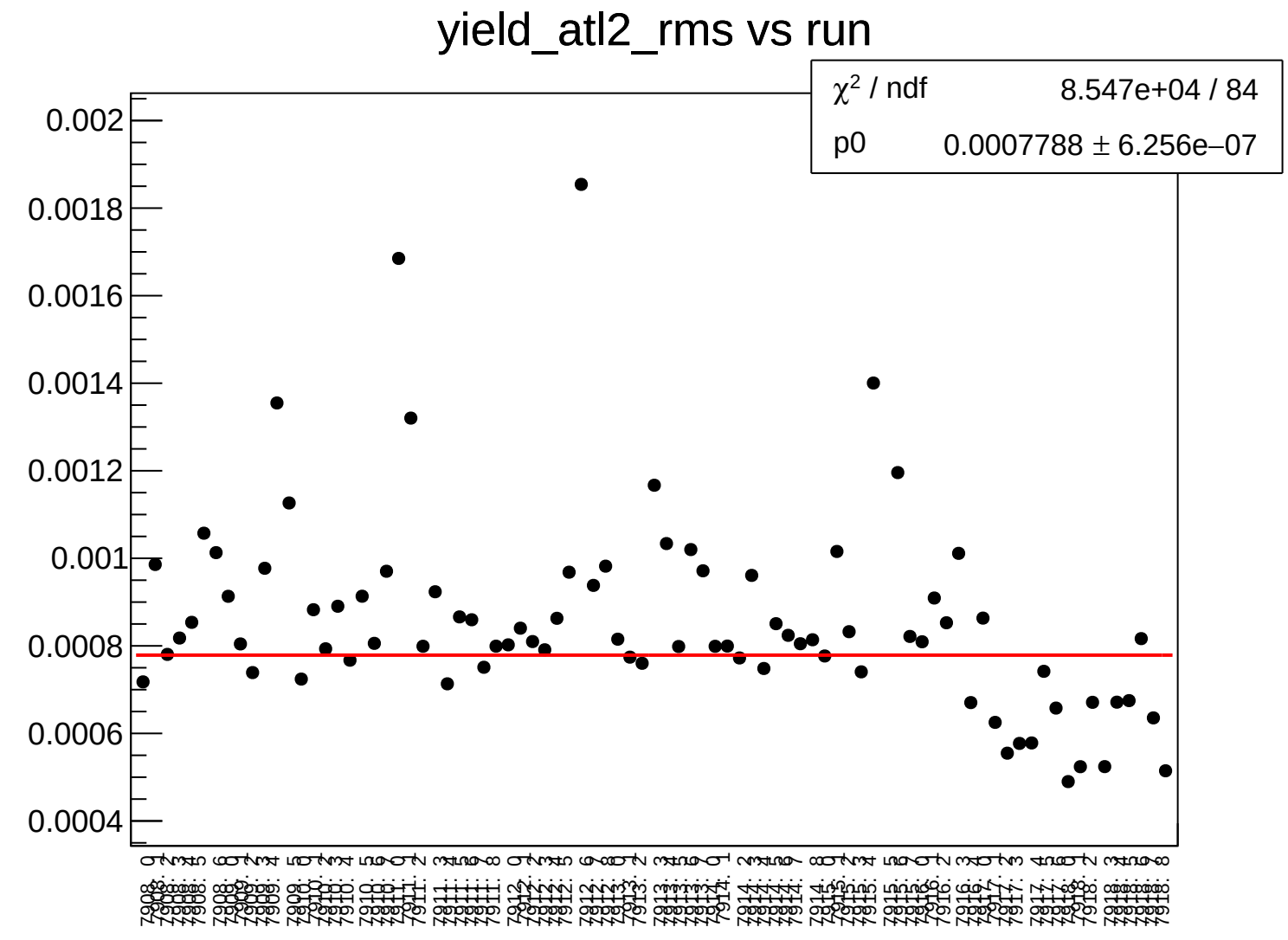

yield_atl1_mean vs run
χ² / ndf 8.518e+05 / 84
p0 0.02677 ± 1.137e−07
0.02695
0.0269
0.02685
0.0268
0.02675
0.0267
0.02665
0.0266
pull
Entries 85
Mean −168.1
Std Dev 218.1
250
200
150
100
50
0
−50
−100

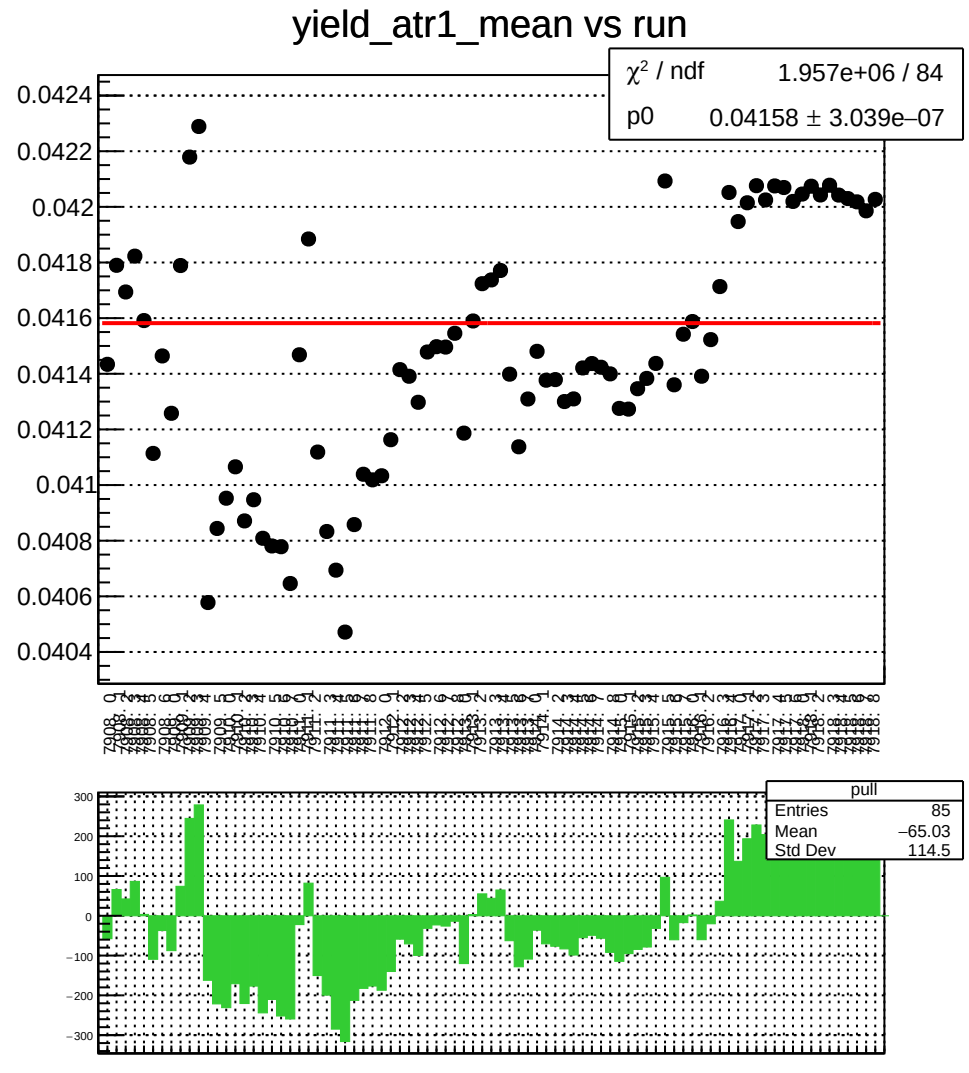

pull1D
Entries 85
Mean 3.749
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

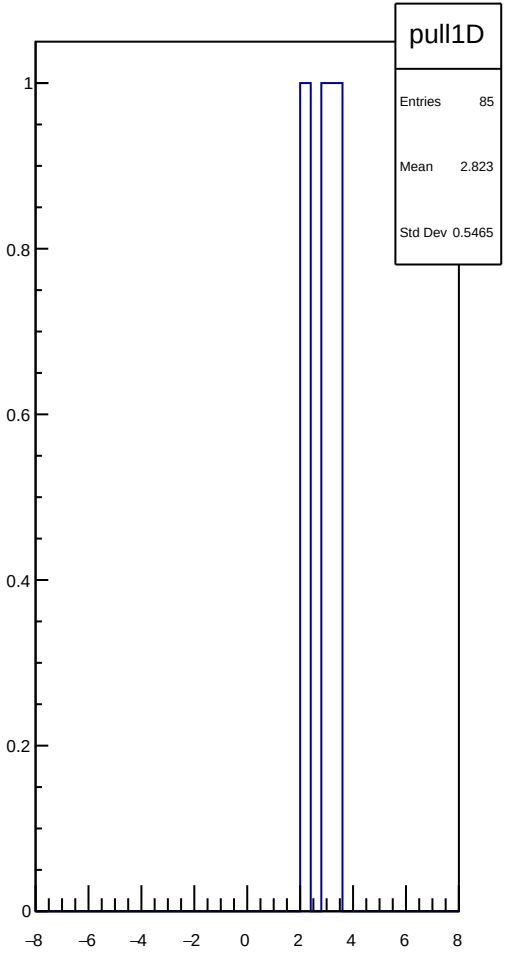

yield_atl1_rms vs run
×10⁻³
χ² / ndf 2.77e+04 / 84
p0 0.0001019 ± 8.04e−08
0.18
0.16
0.14
0.12
0.1
0.08

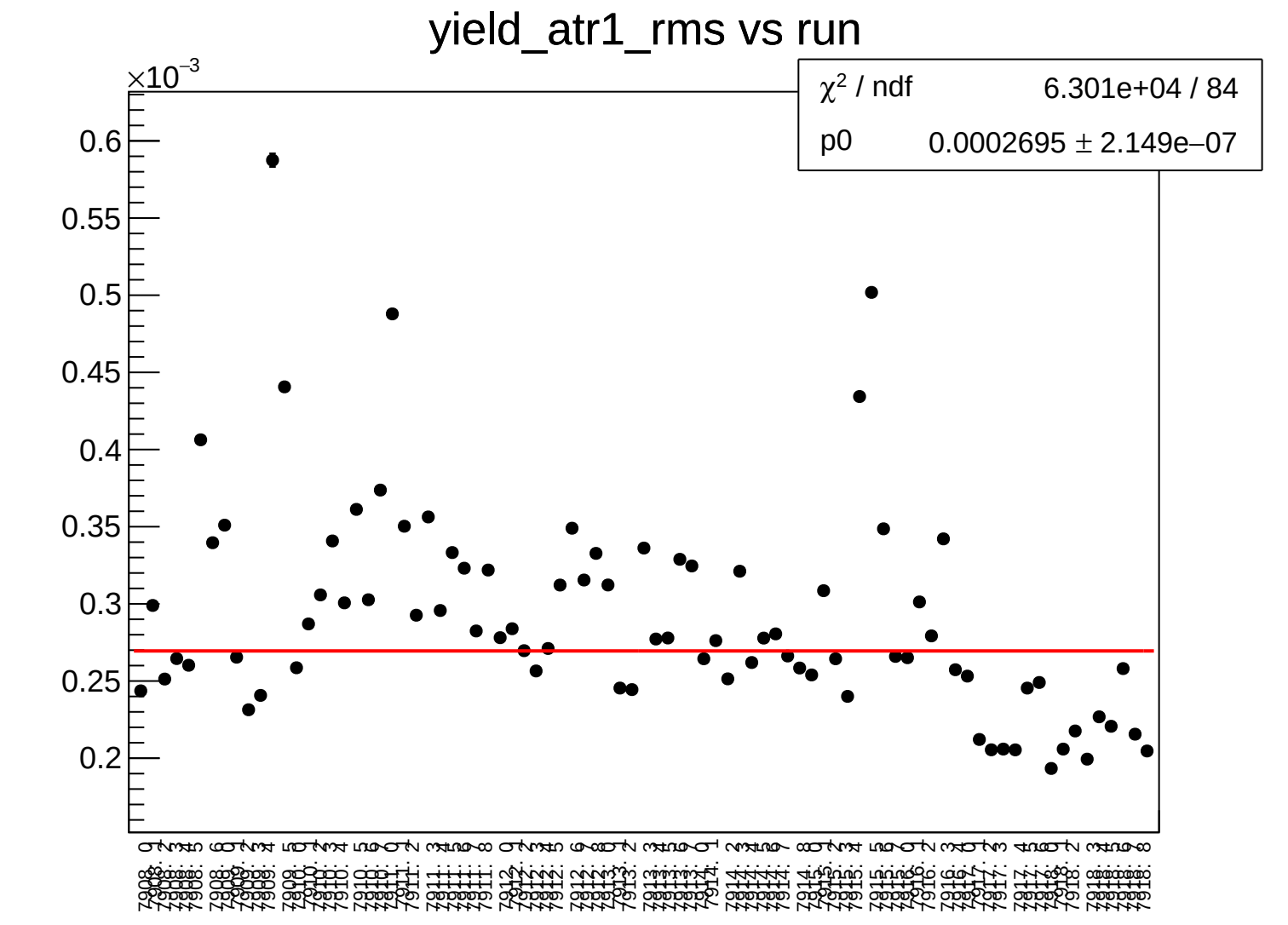

yield_atl2_mean vs run
χ² / ndf 9.351e+05 / 84
p0 0.0353 ± 8.847e−07
0.038
0.037
0.036
0.035
0.034
0.033
pull
Entries 85
Mean −92.49
Std Dev 146.1
300
200
100
0
−100
−200
−300

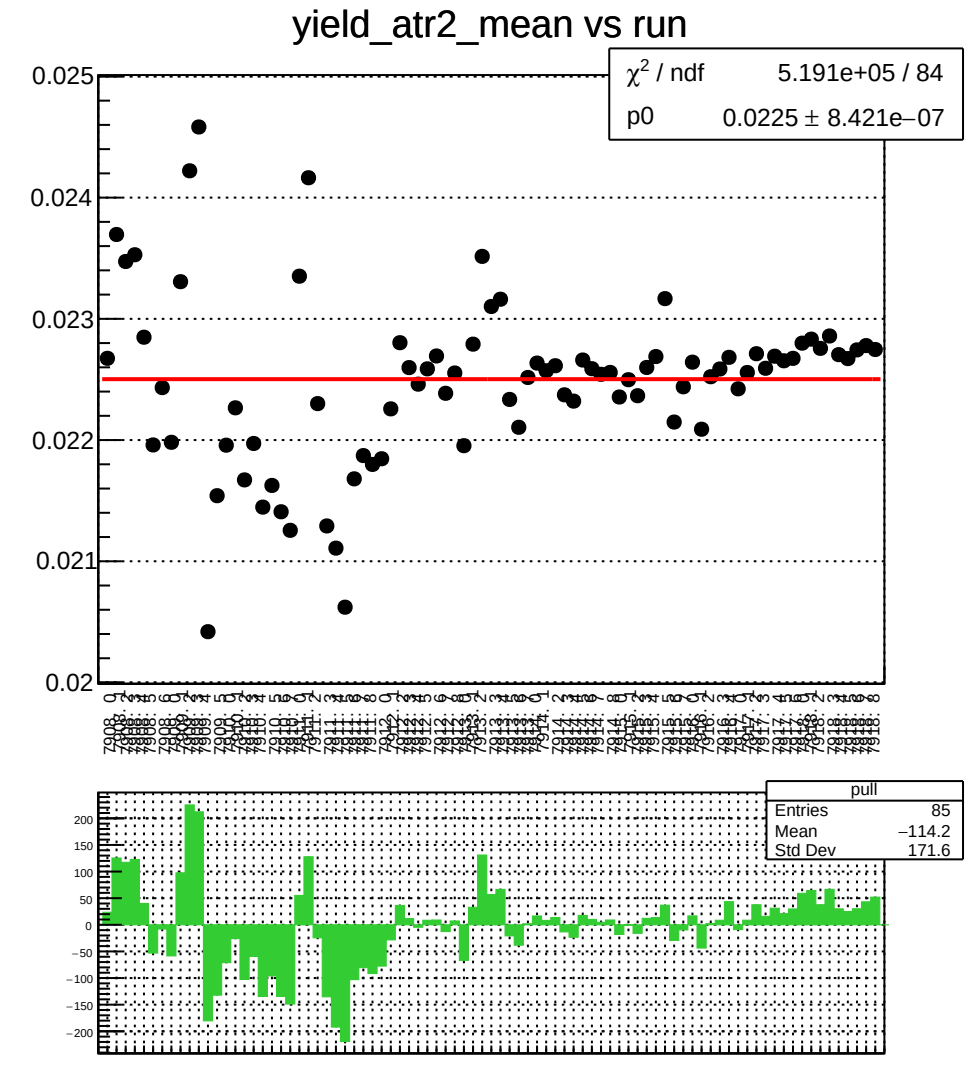

pull1D
Entries 85
Mean 2.016
Std Dev 4.628
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

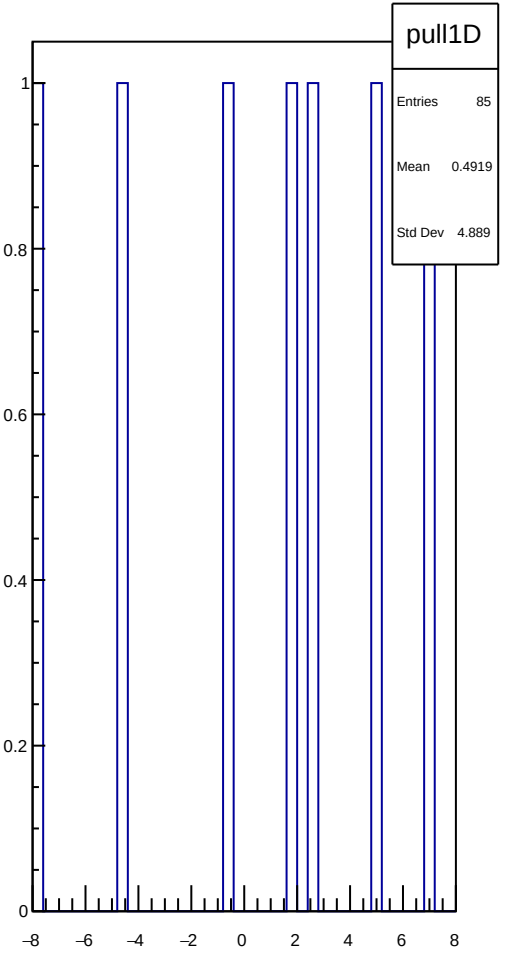

yield_atl2_rms vs run
χ² / ndf 8.547e+04 / 84
p0 0.0007788 ± 6.256e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

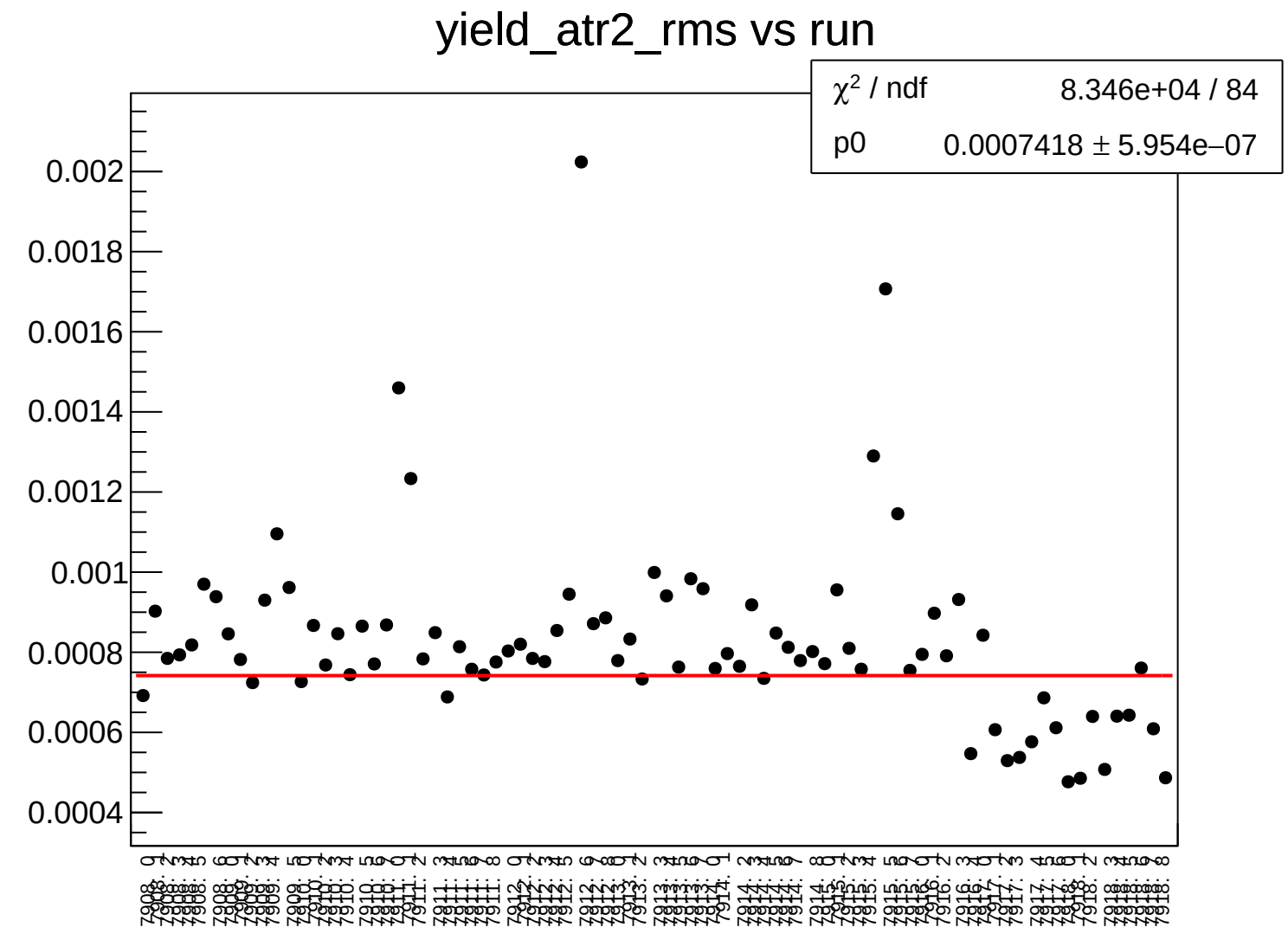

yield_atr1_mean vs run
χ² / ndf 1.957e+06 / 84
p0 0.04158 ± 3.039e–07
0.0424
0.0422
0.042
0.0418
0.0416
0.0414
0.0412
0.041
0.0408
0.0406
0.0404
pull
Entries 85
Mean –65.03
Std Dev 114.5
300
200
100
0
–100
–200
–300

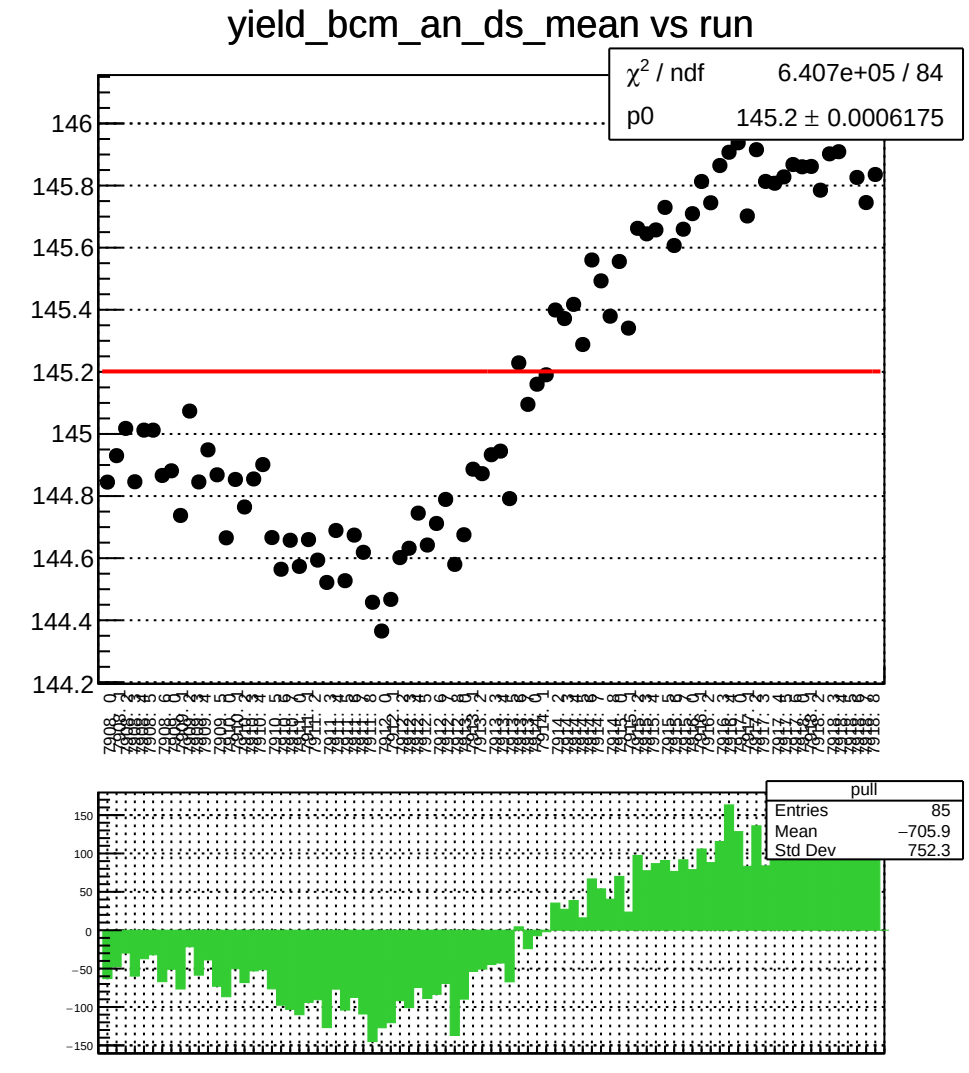

pull1D
Entries 85
Mean 2.823
Std Dev 0.5465
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

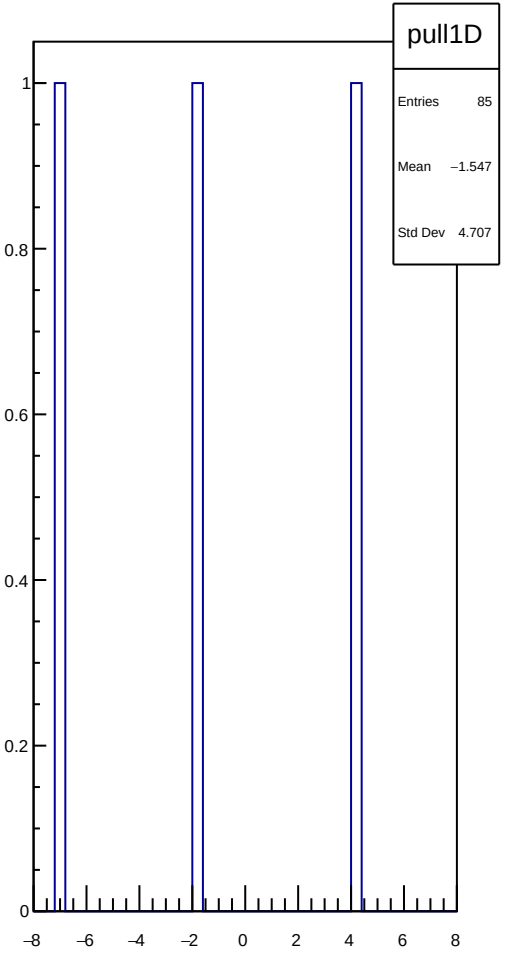

yield_atr1_rms vs run
×10⁻³
χ² / ndf 6.301e+04 / 84
p0 0.0002695 ± 2.149e−07
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2

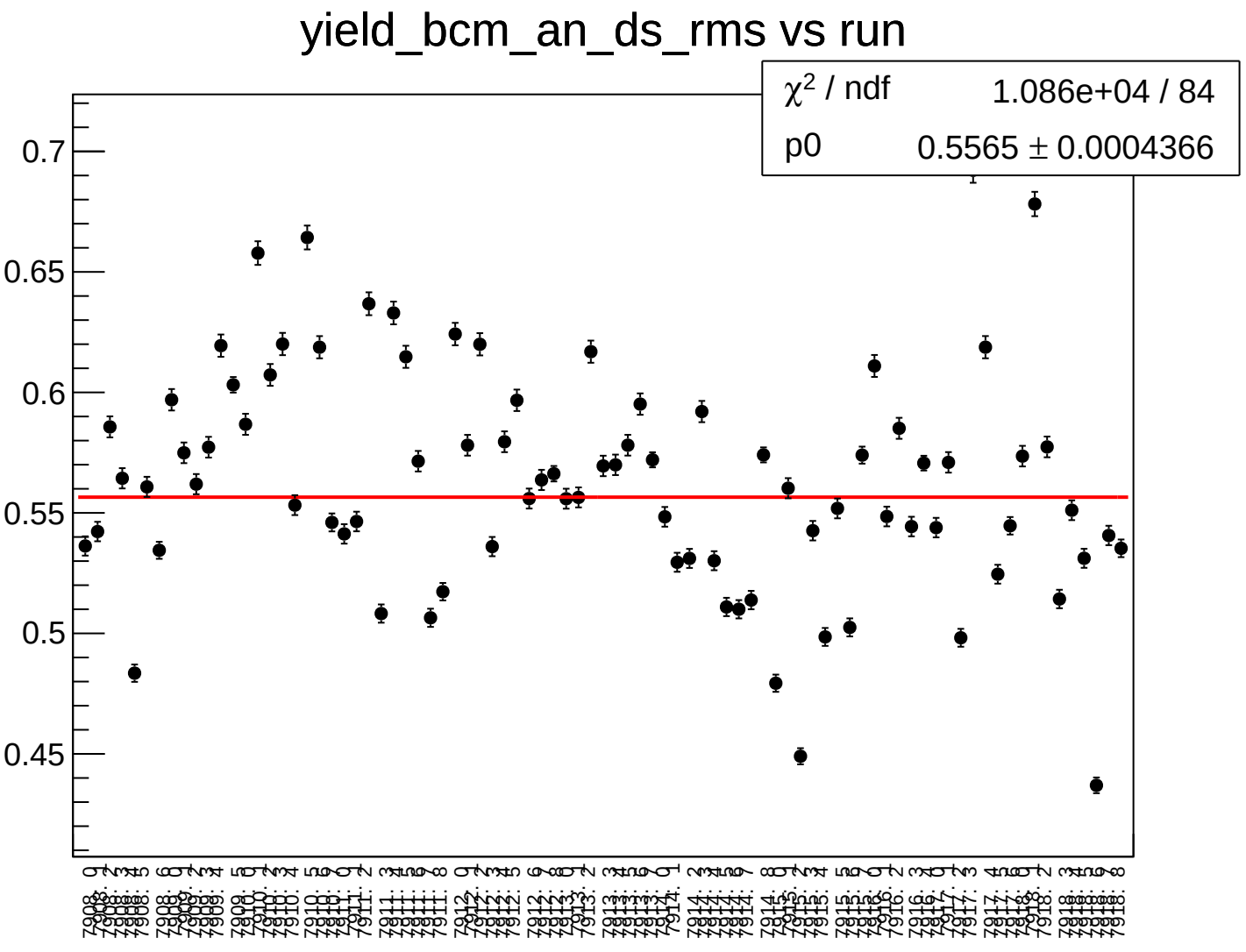

yield_atr2_mean vs run
χ² / ndf 5.191e+05 / 84
p0 0.0225 ± 8.421e−07
0.025
0.024
0.023
0.022
0.021
0.02
pull
Entries 85
Mean −114.2
Std Dev 171.6
200
150
100
50
0
−50
−100
−150
−200

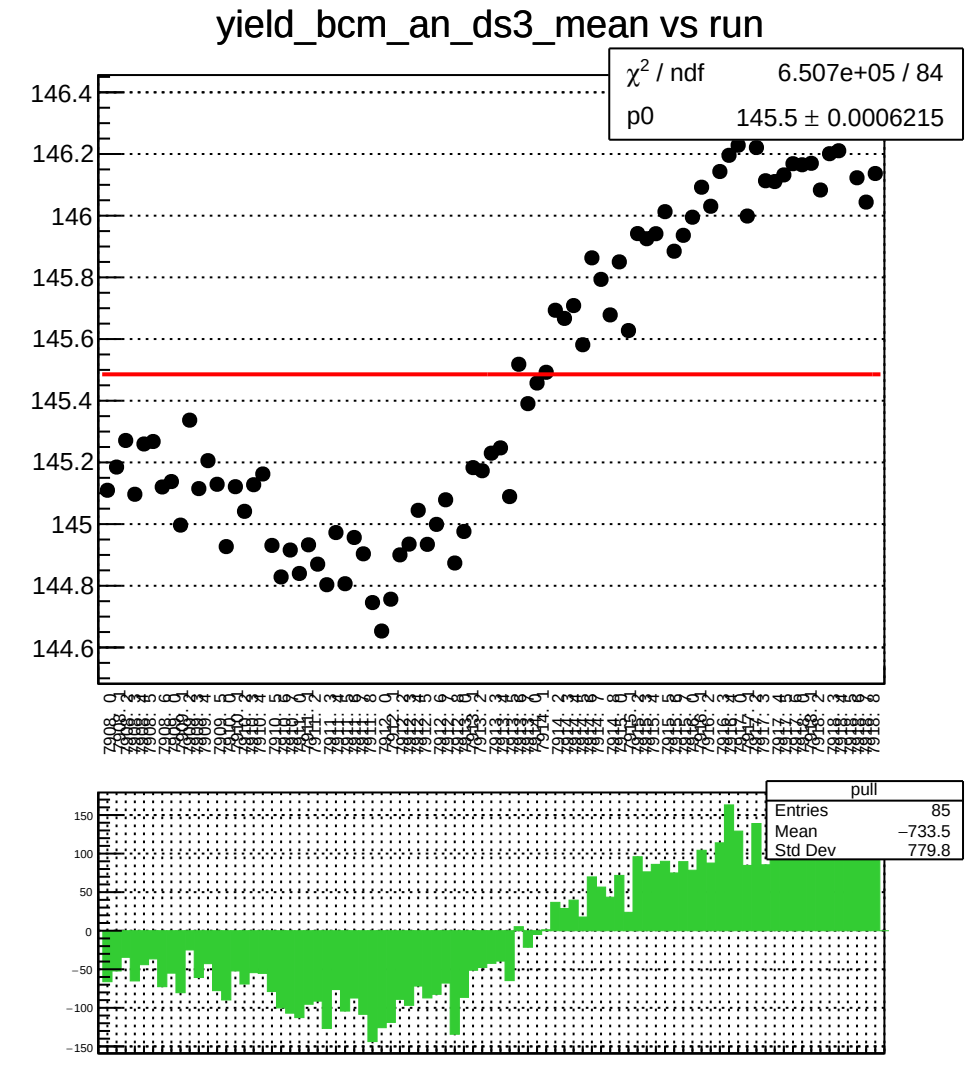

pull1D
Entries 85
Mean 0.4919
Std Dev 4.889
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

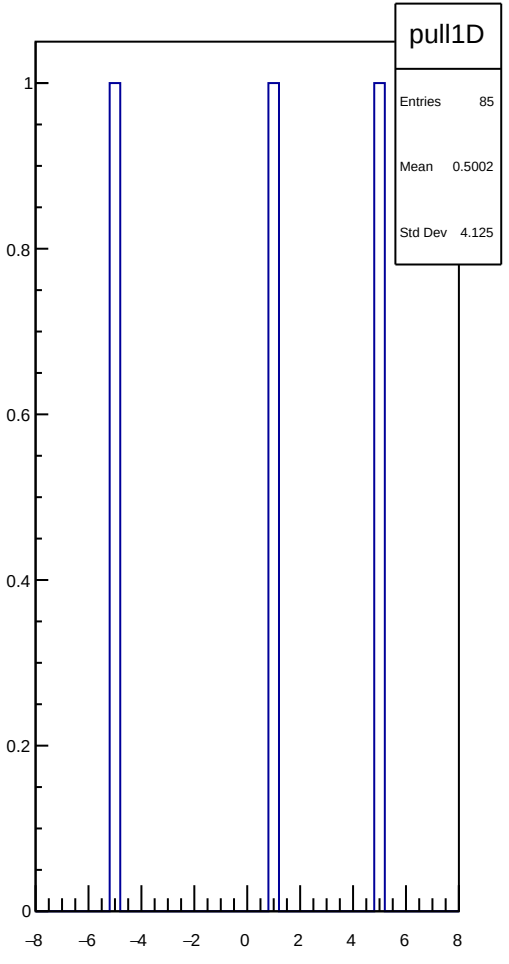

yield_atr2_rms vs run
χ² / ndf 8.346e+04 / 84
p0 0.0007418 ± 5.954e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

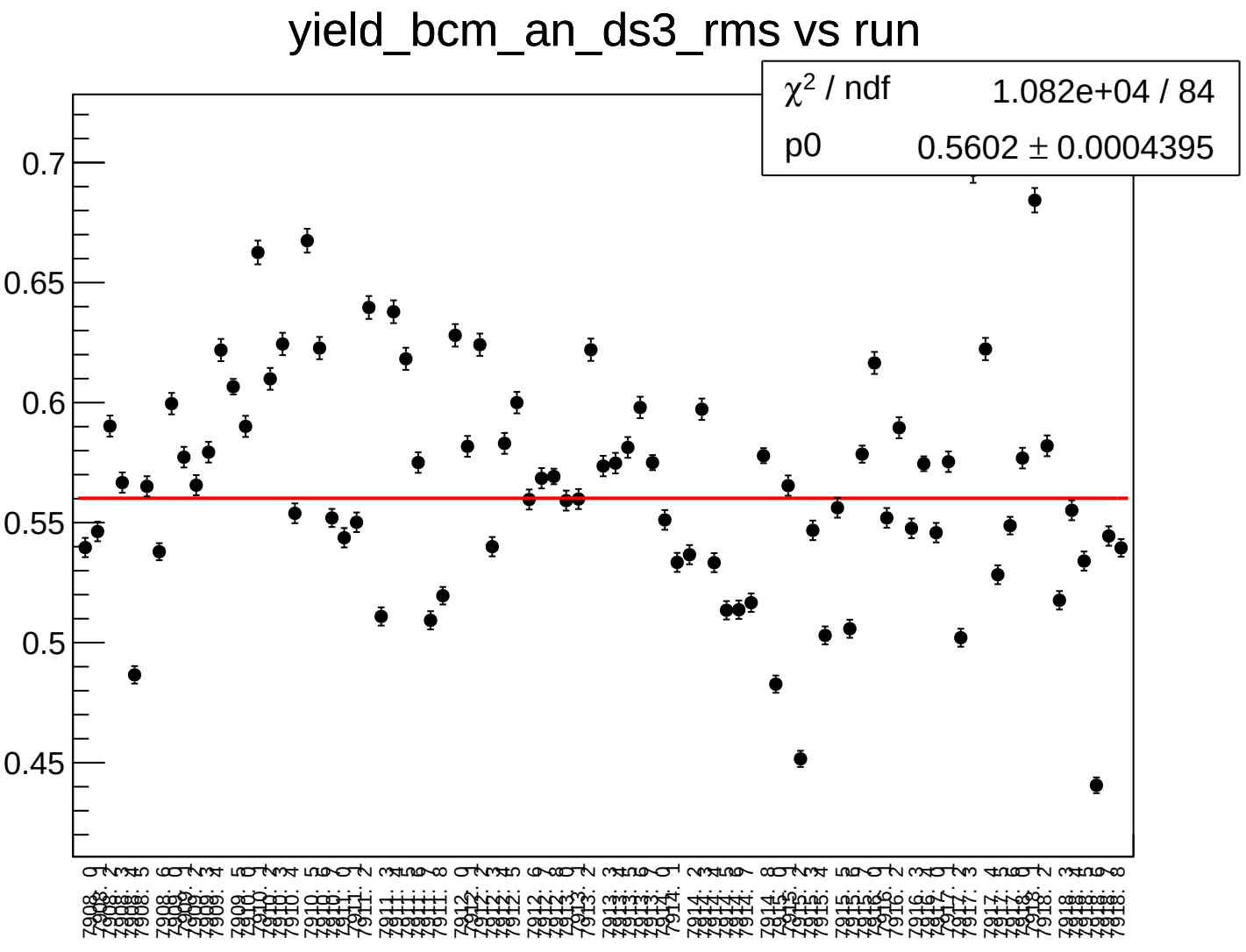

yield_bcm_an_ds_mean vs run
χ² / ndf 6.407e+05 / 84
p0 145.2 ± 0.0006175
146
145.8
145.6
145.4
145.2
145
144.8
144.6
144.4
144.2
pull
Entries 85
Mean −705.9
Std Dev 752.3
150
100
50
0
−50
−100
−150

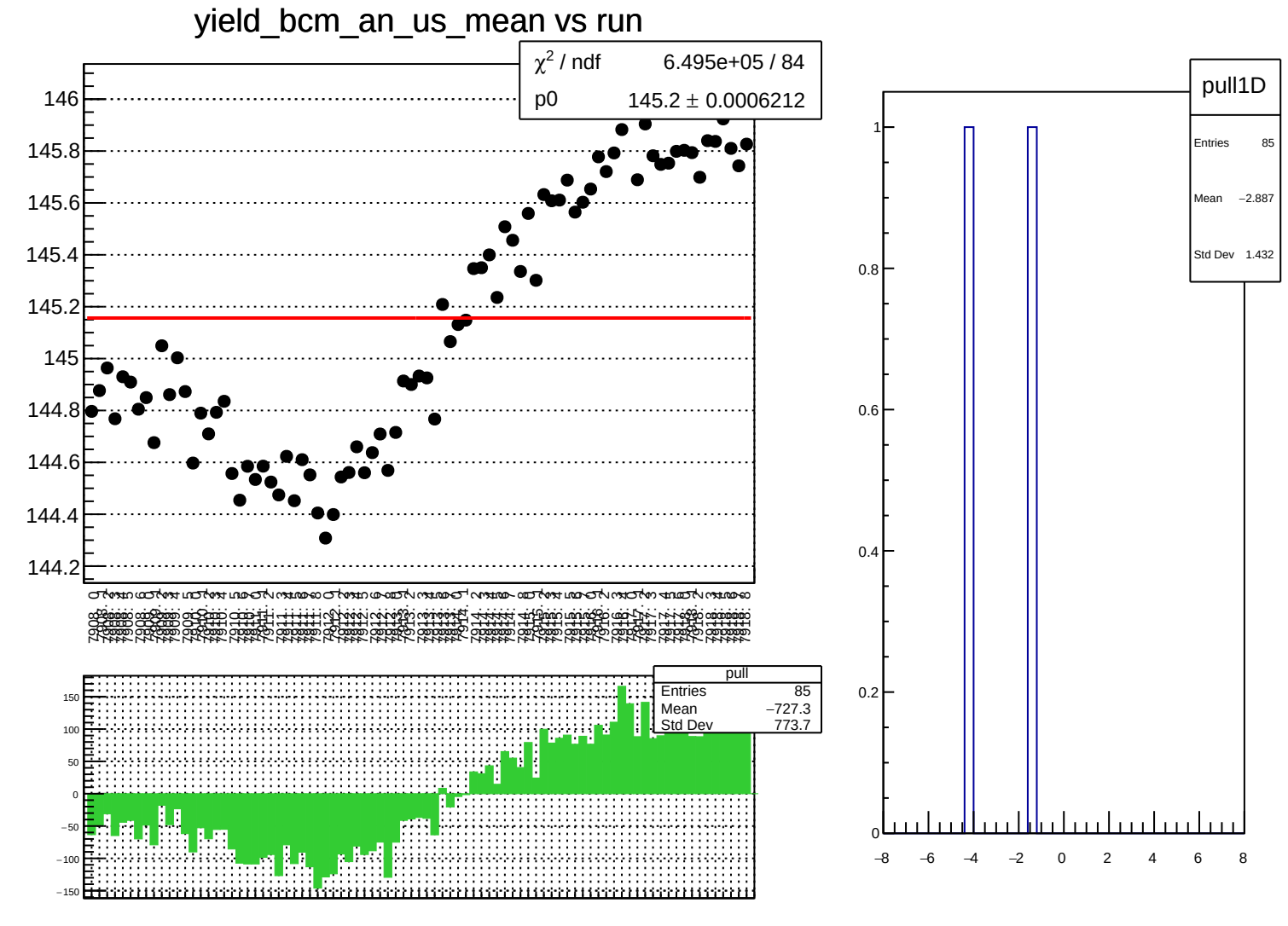

pull1D
Entries 85
Mean −1.547
Std Dev 4.707
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

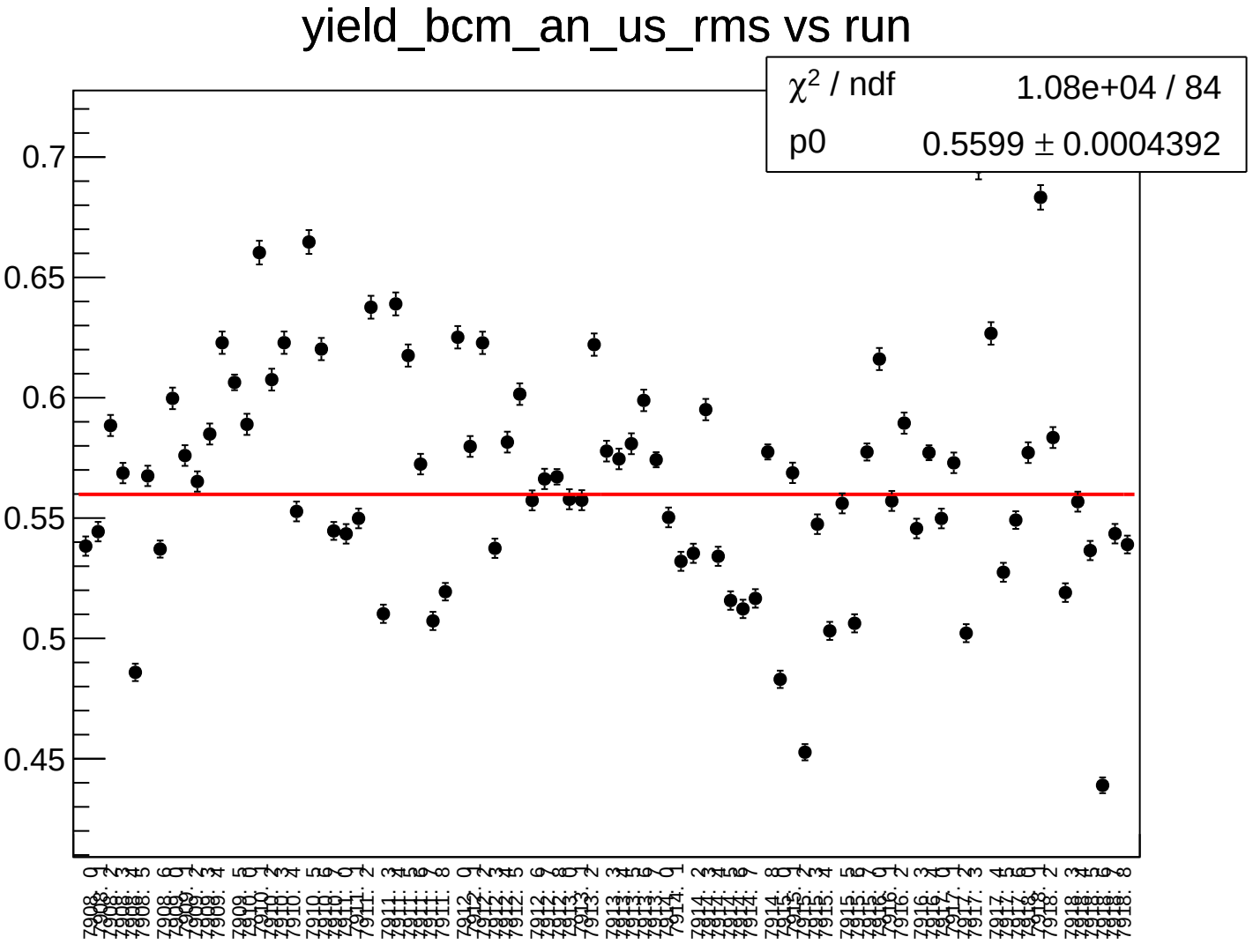

yield_bcm_an_ds_rms vs run
χ² / ndf 1.086e+04 / 84
p0 0.5565 ± 0.0004366
0.7
0.65
0.6
0.55
0.5
0.45

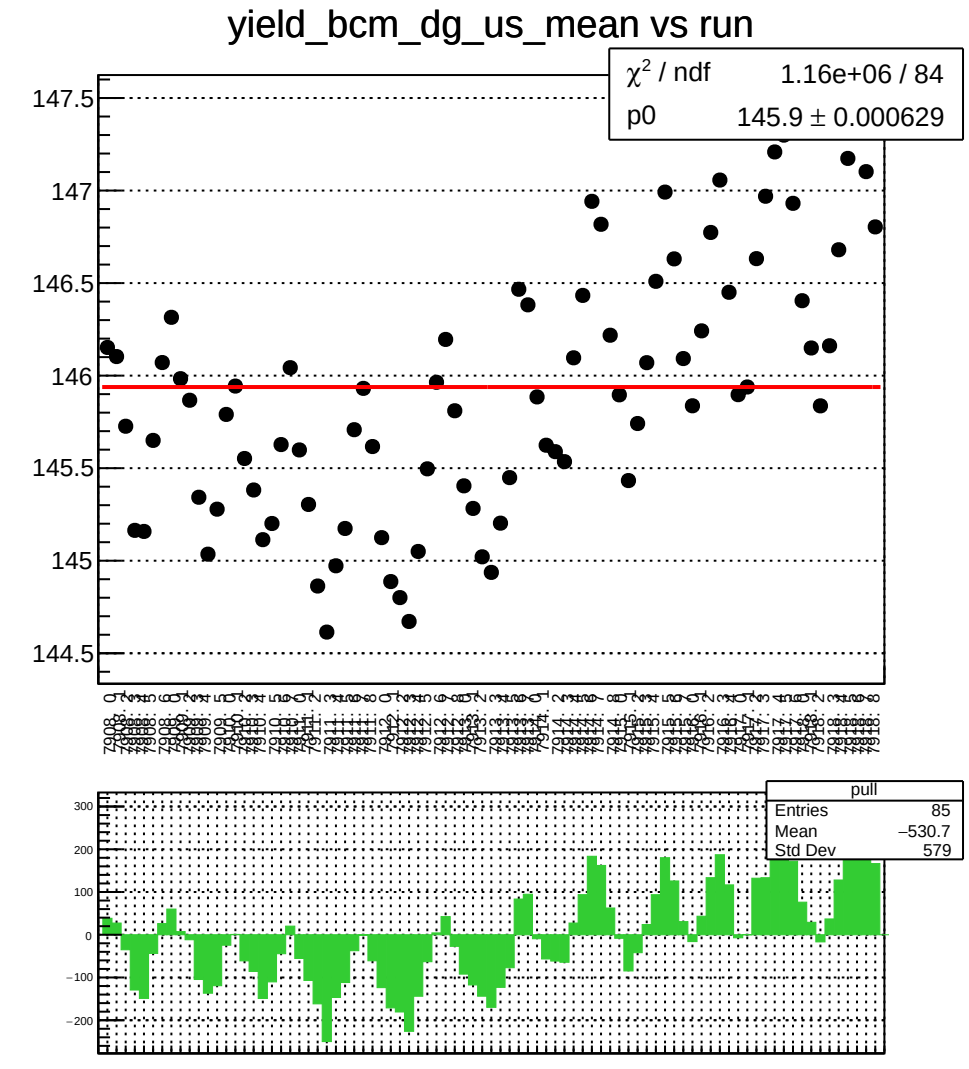

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.507e+05 / 84
p0 145.5 ± 0.0006215
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 85
Mean −733.5
Std Dev 779.8
150
100
50
0
−50
−100
−150

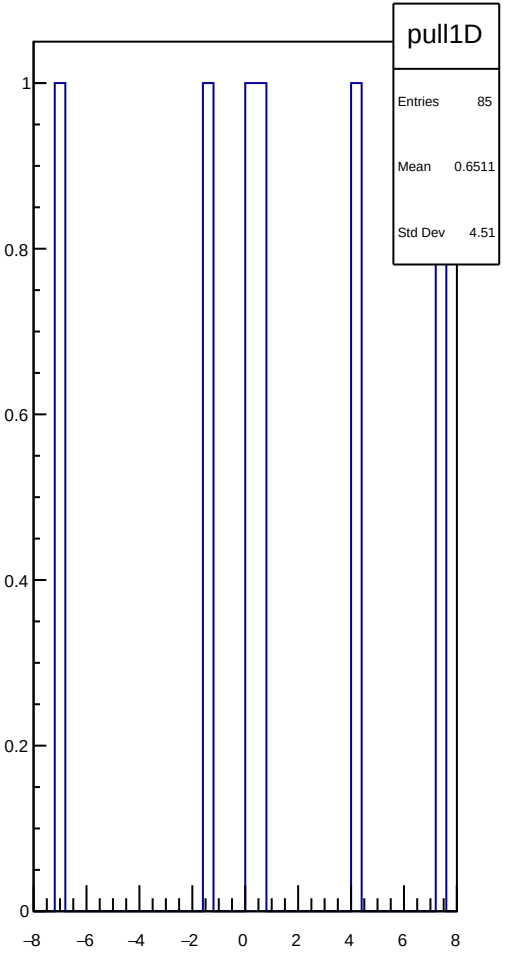

pull1D
Entries 85
Mean 0.5002
Std Dev 4.125
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

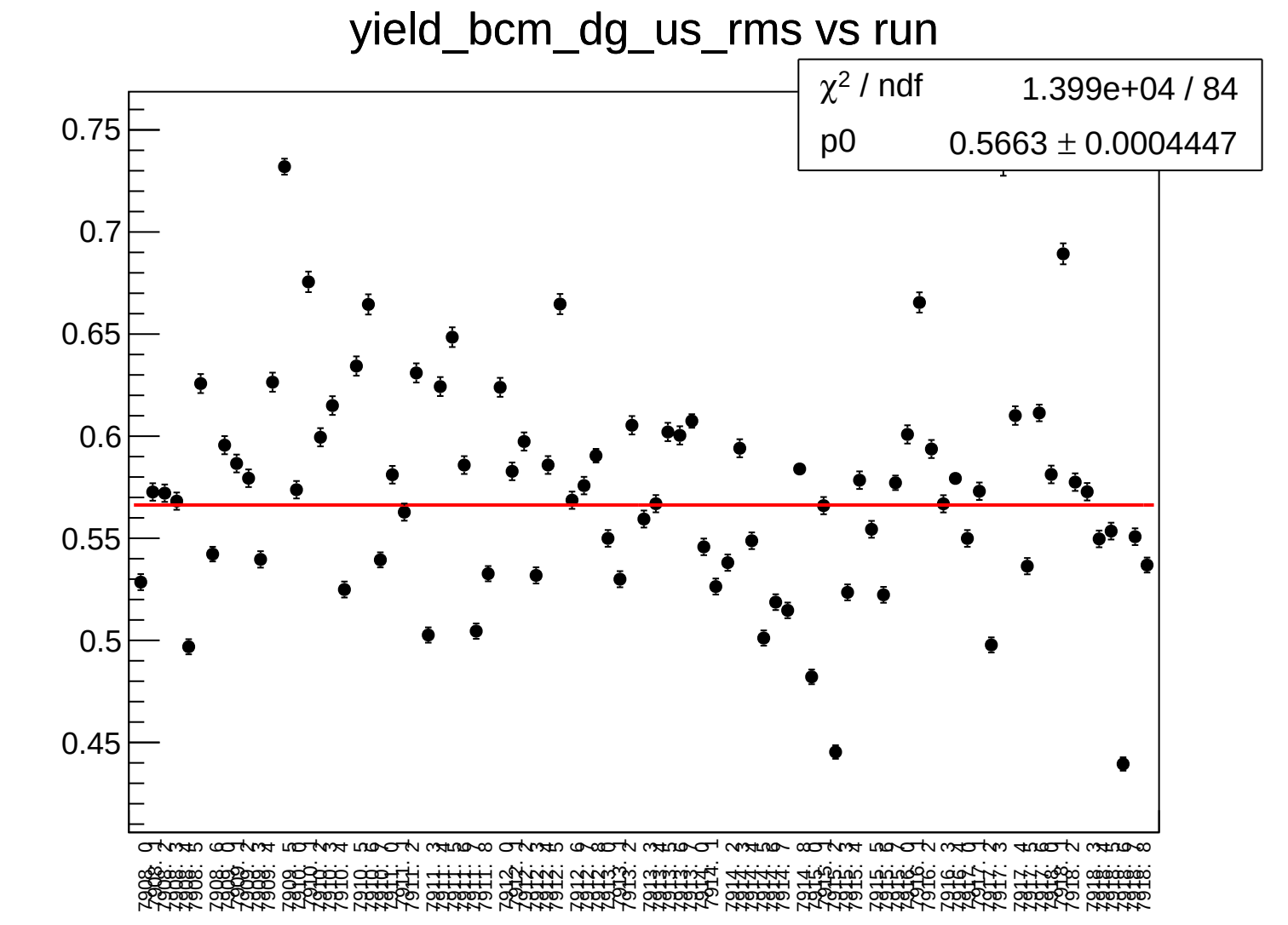

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.082e+04 / 84
p0 0.5602 ± 0.0004395
0.7
0.65
0.6
0.55
0.5
0.45

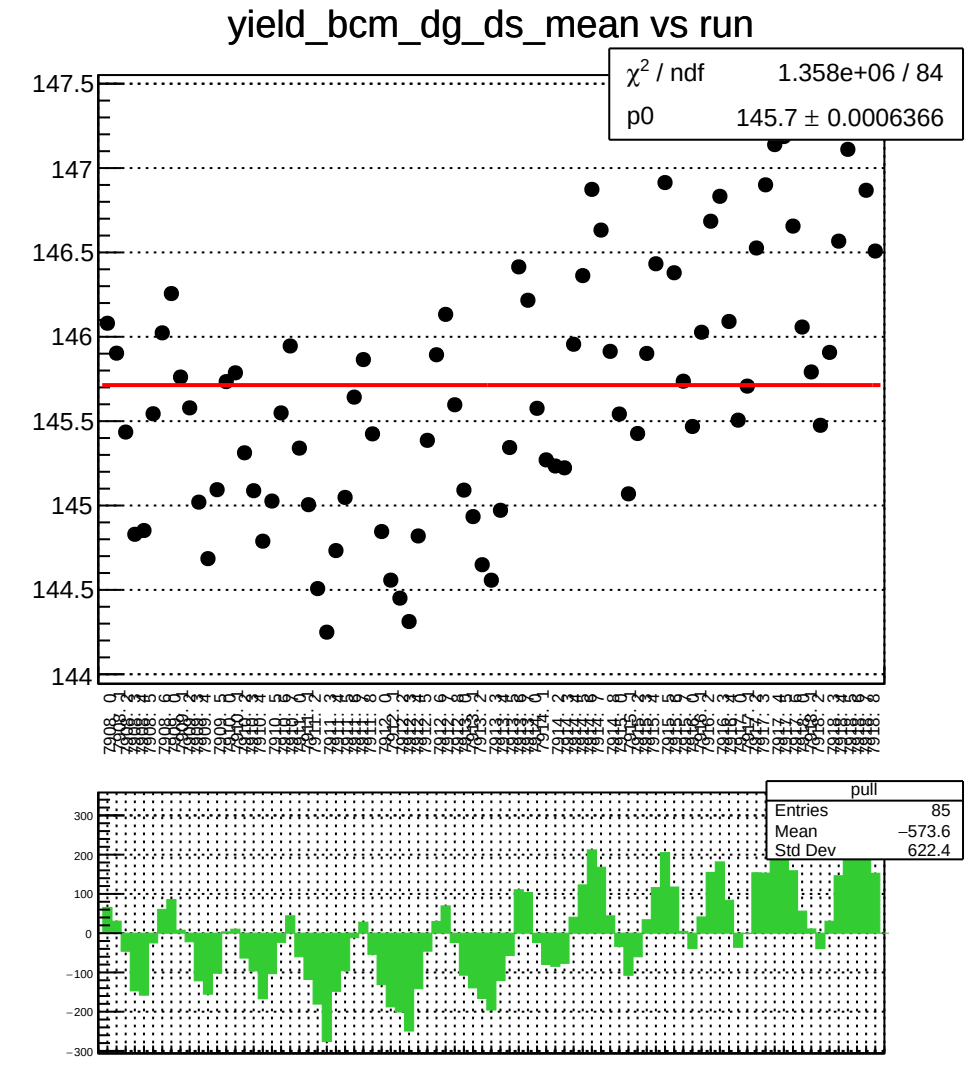

yield_bcm_an_us_mean vs run
χ² / ndf 6.495e+05 / 84
p0 145.2 ± 0.0006212
146
145.8
145.6
145.4
145.2
145
144.8
144.6
144.4
144.2
pull
Entries 85
Mean −727.3
Std Dev 773.7
150
100
50
0
−50
−100
−150
pull1D
Entries 85
Mean −2.887
Std Dev 1.432
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

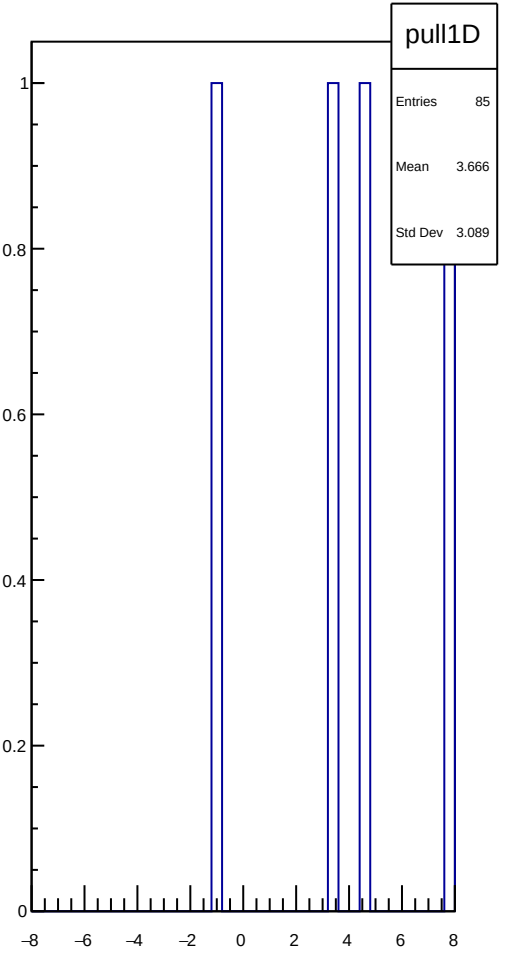

yield_bcm_an_us_rms vs run
χ² / ndf 1.08e+04 / 84
p0 0.5599 ± 0.0004392
0.7
0.65
0.6
0.55
0.5
0.45

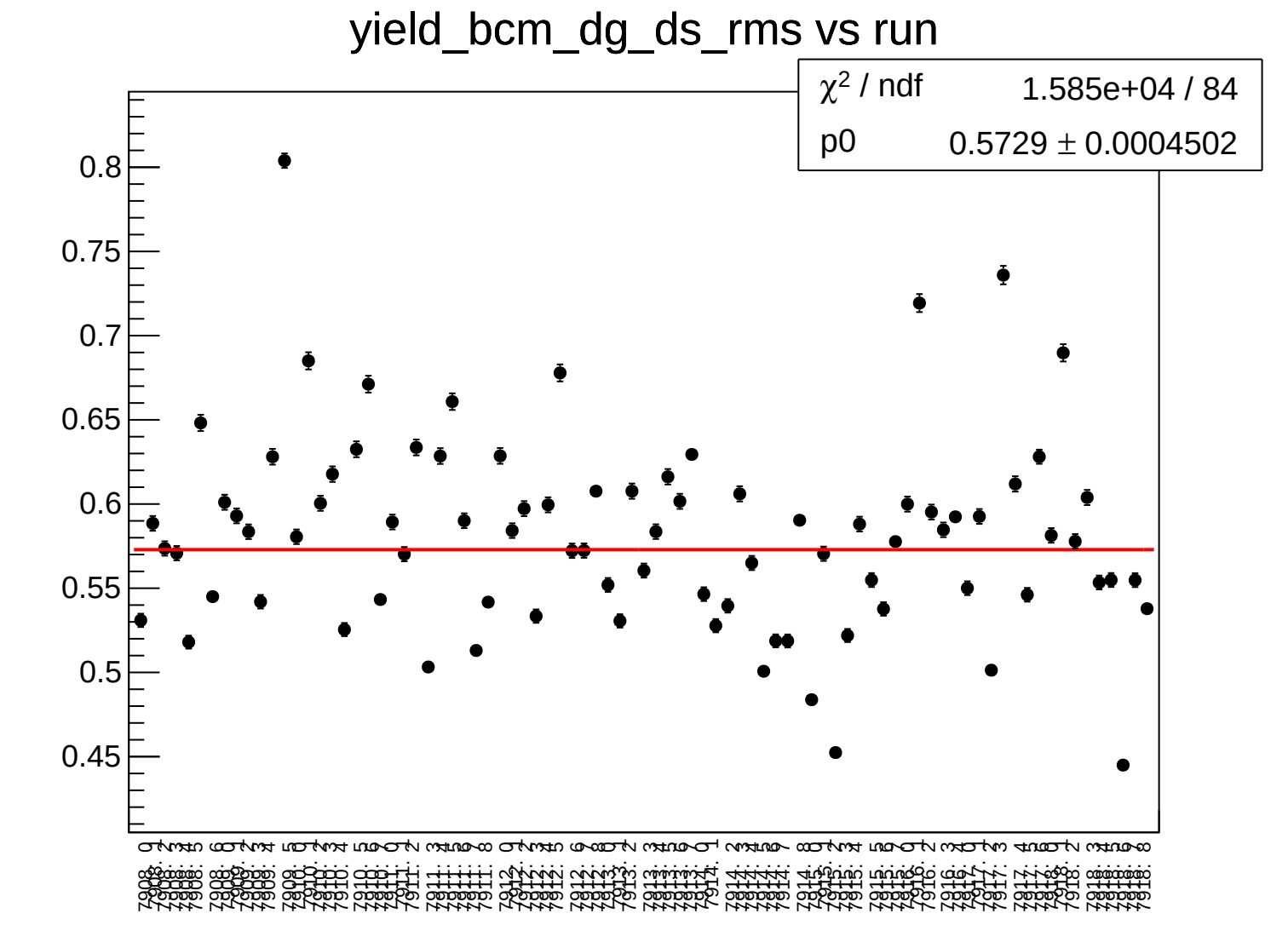

yield_bcm_dg_us_mean vs run
χ² / ndf 1.16e+06 / 84
p0 145.9 ± 0.000629
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 85
Mean −530.7
Std Dev 579
300
200
100
0
−100
−200

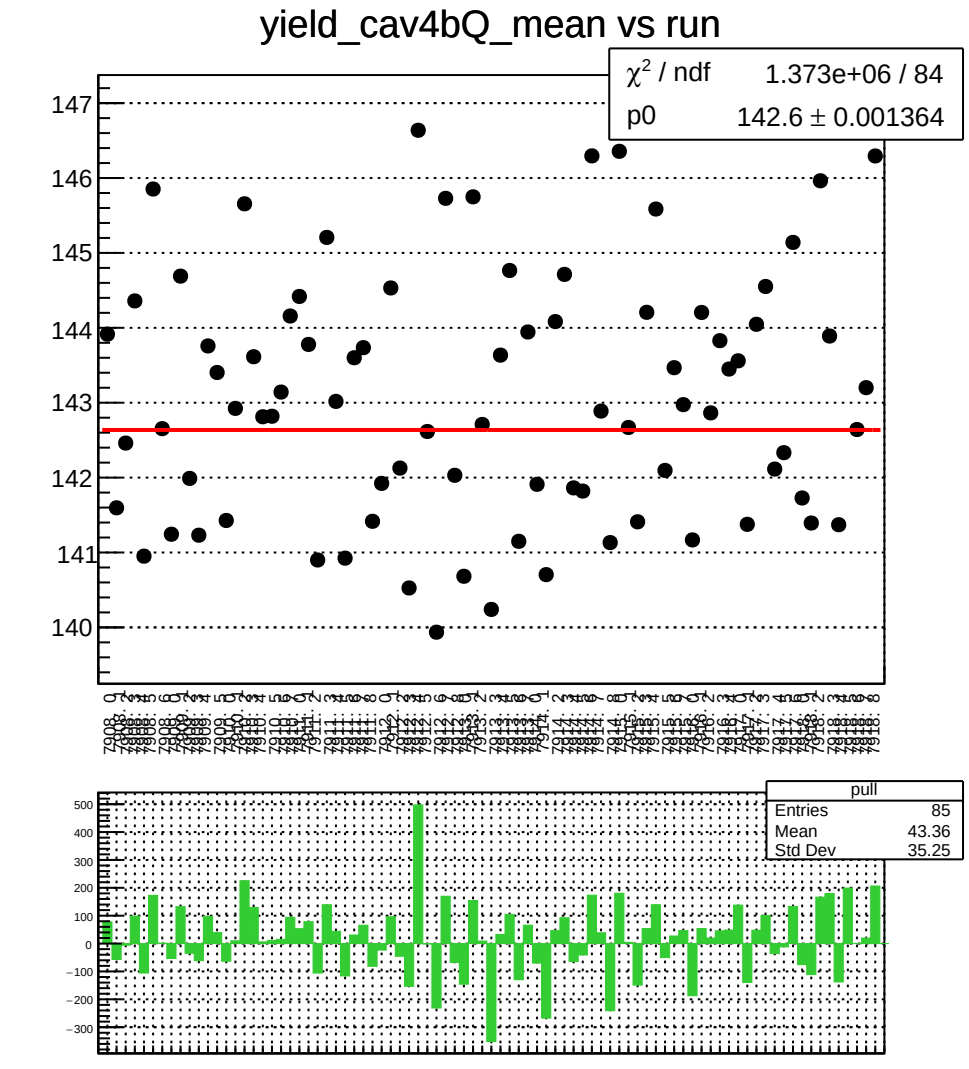

pull1D
Entries 85
Mean 0.6511
Std Dev 4.51
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

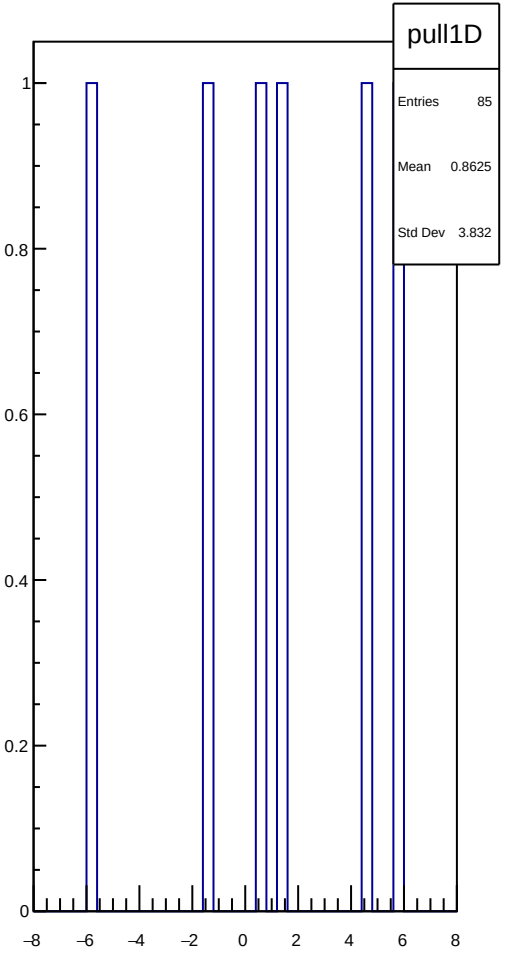

yield_bcm_dg_us_rms vs run
χ² / ndf 1.399e+04 / 84
p0 0.5663 ± 0.0004447
0.75
0.7
0.65
0.6
0.55
0.5
0.45

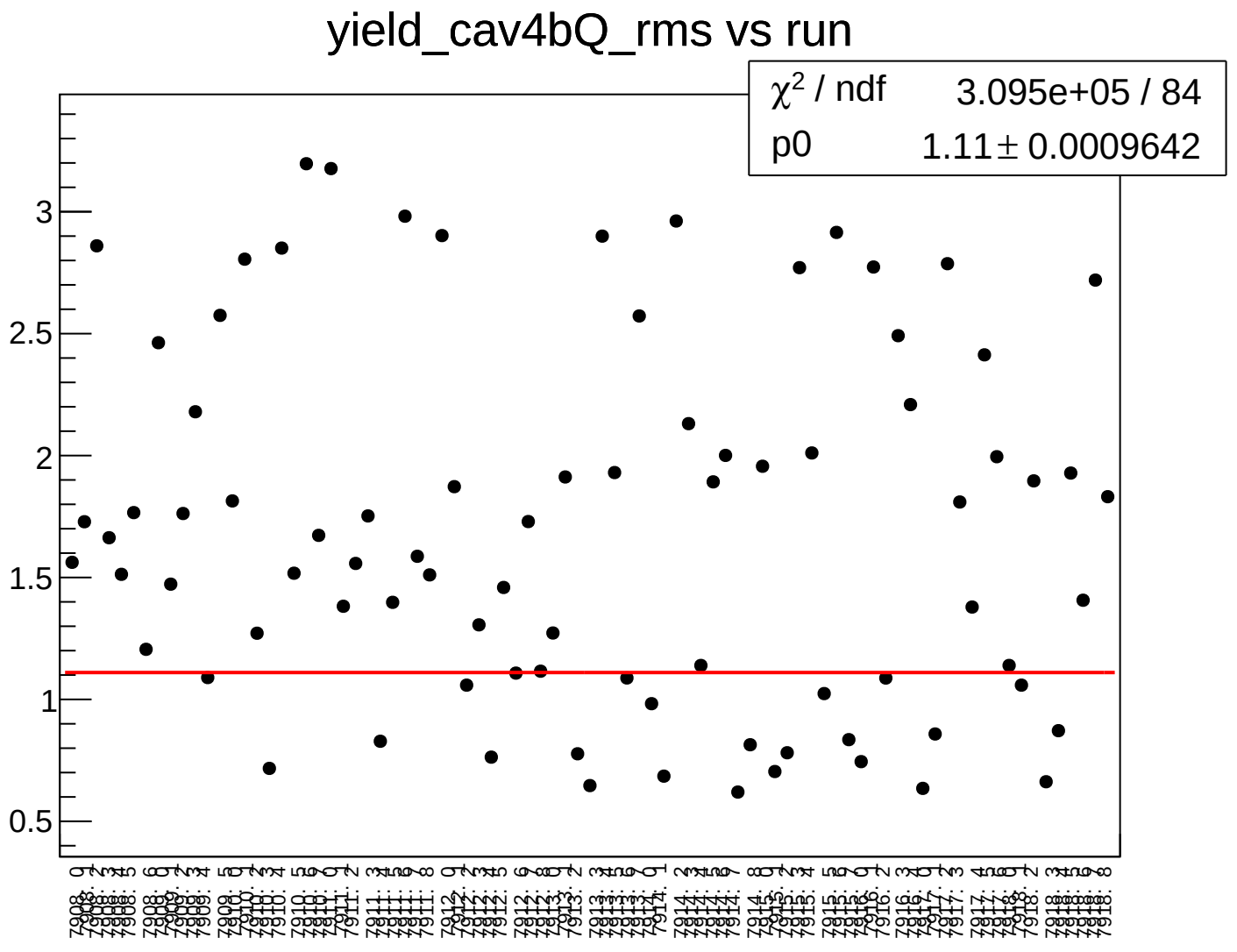

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.358e+06 / 84
p0 145.7 ± 0.0006366
147.5
147
146.5
146
145.5
145
144.5
144
pull
Entries 85
Mean −573.6
Std Dev 622.4
300
200
100
0
−100
−200
−300

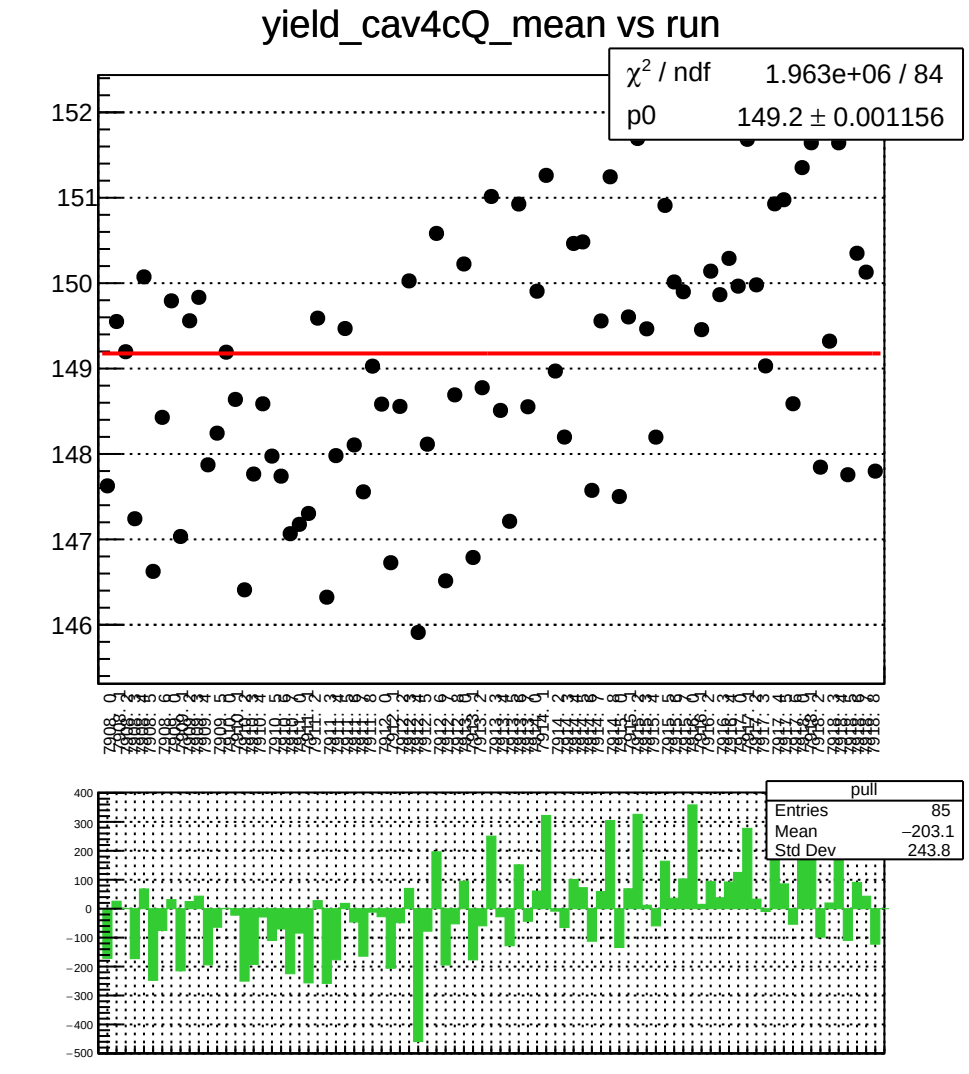

pull1D
Entries 85
Mean 3.666
Std Dev 3.089
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

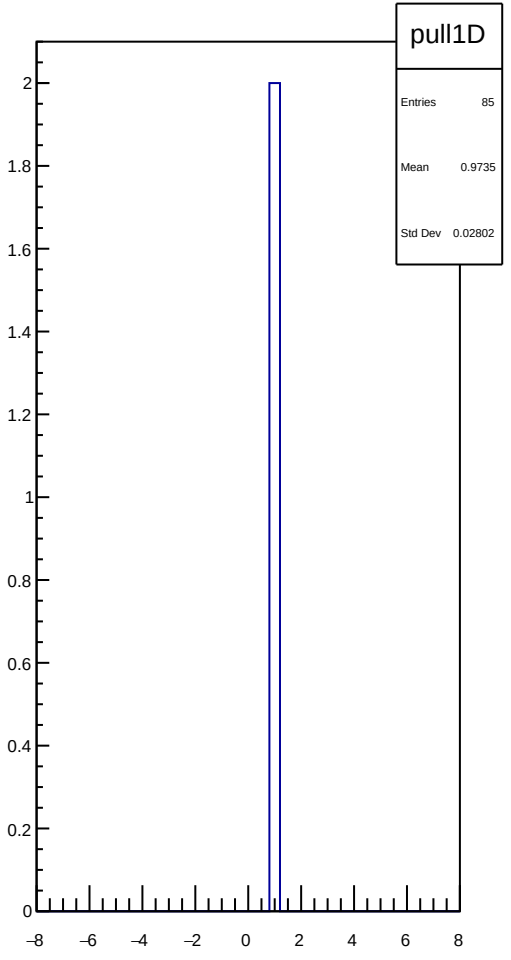

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.585e+04 / 84
p0 0.5729 ± 0.0004502
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

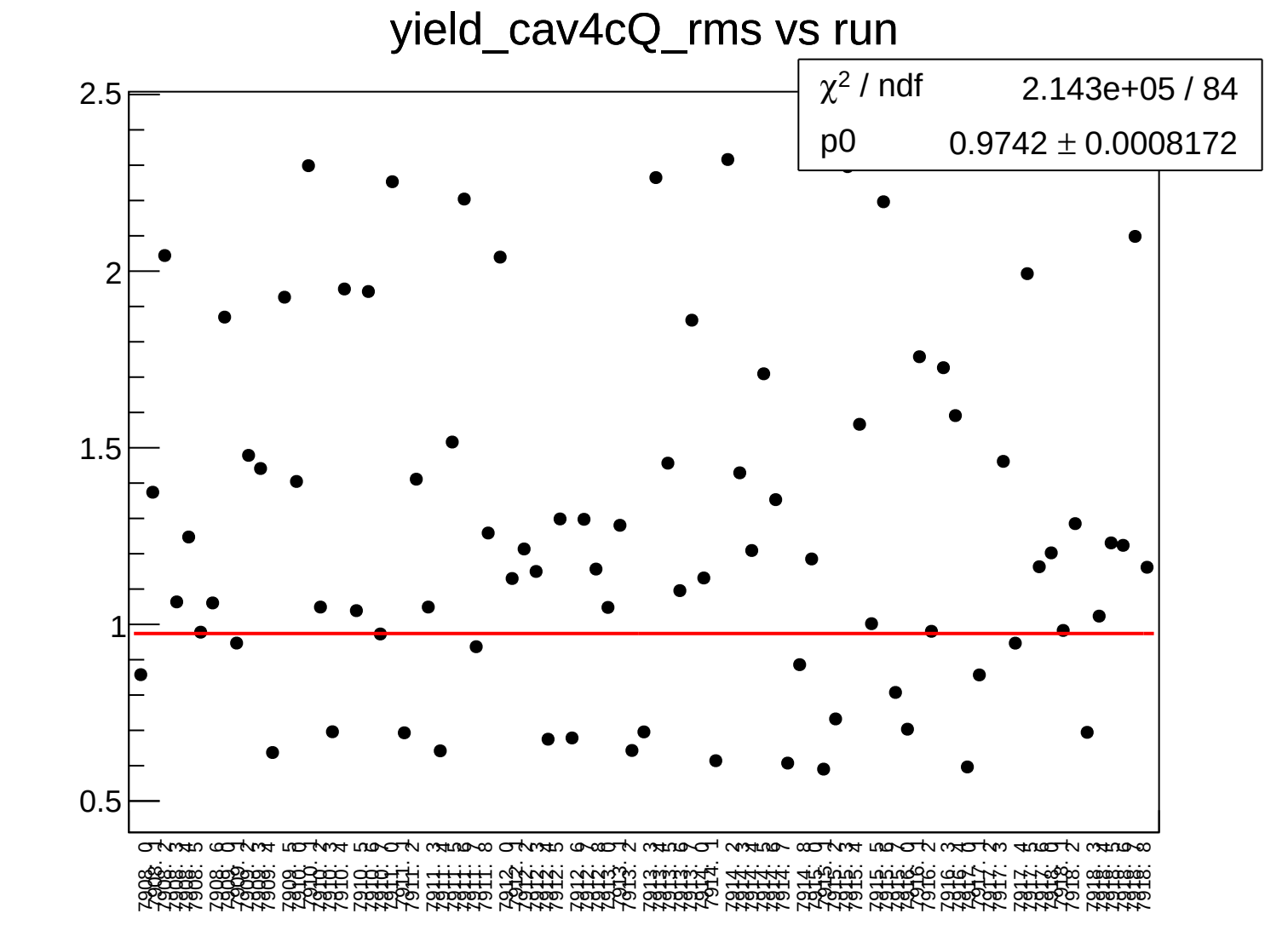

yield_cav4bQ_mean vs run
χ² / ndf 1.373e+06 / 84
p0 142.6 ± 0.001364
147
146
145
144
143
142
141
140
pull
Entries 85
Mean 43.36
Std Dev 35.25
500
400
300
200
100
0
−100
−200
−300

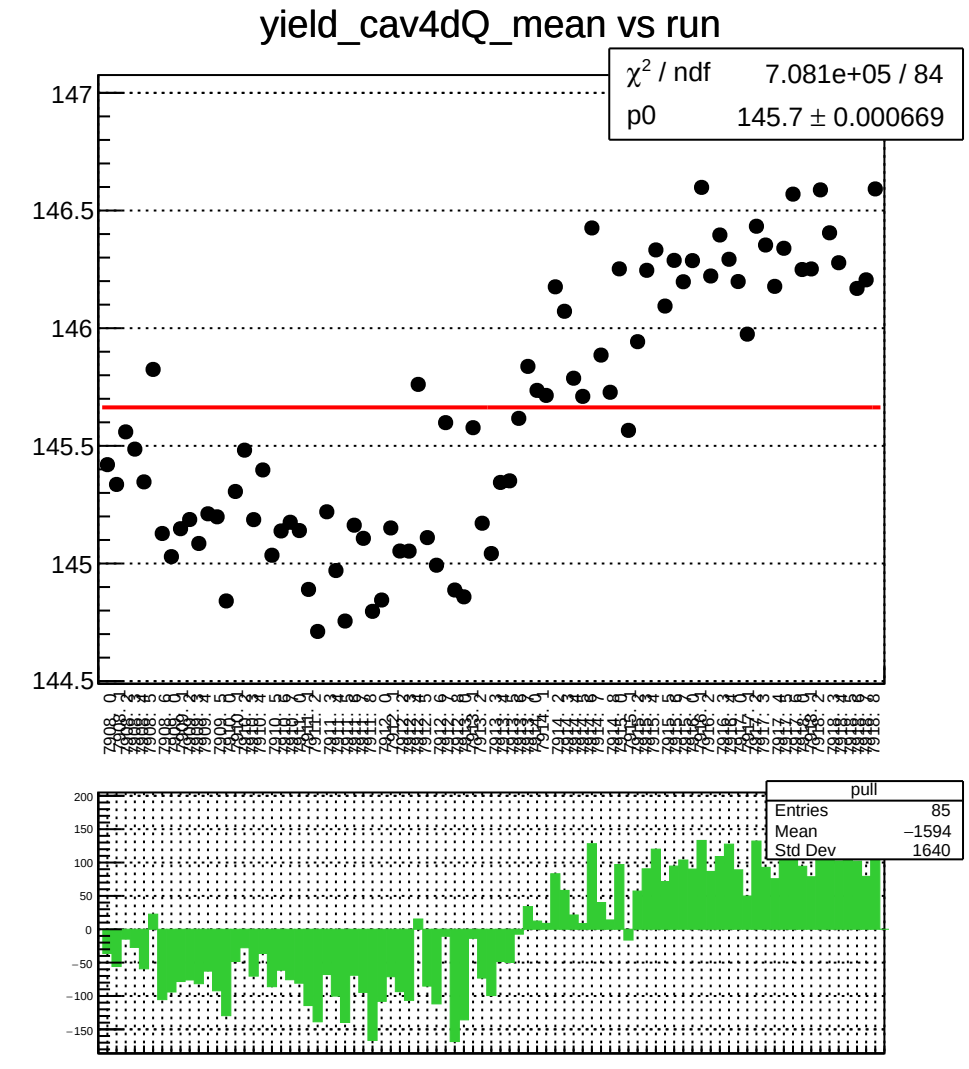

pull1D
Entries 85
Mean 0.8625
Std Dev 3.832
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

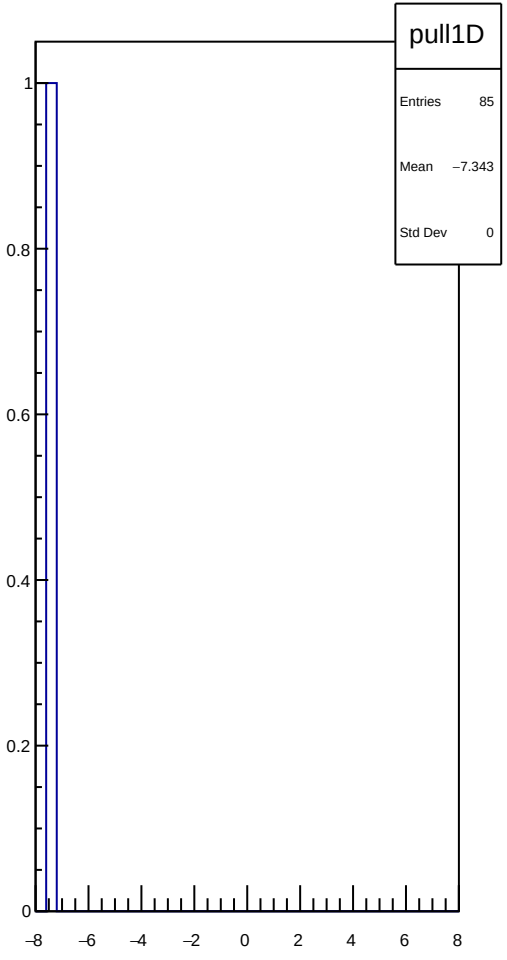

yield_cav4bQ_rms vs run
χ^2 / ndf 3.095e+05 / 84
p0 1.11 ± 0.0009642
3
2.5
2
1.5
1
0.5

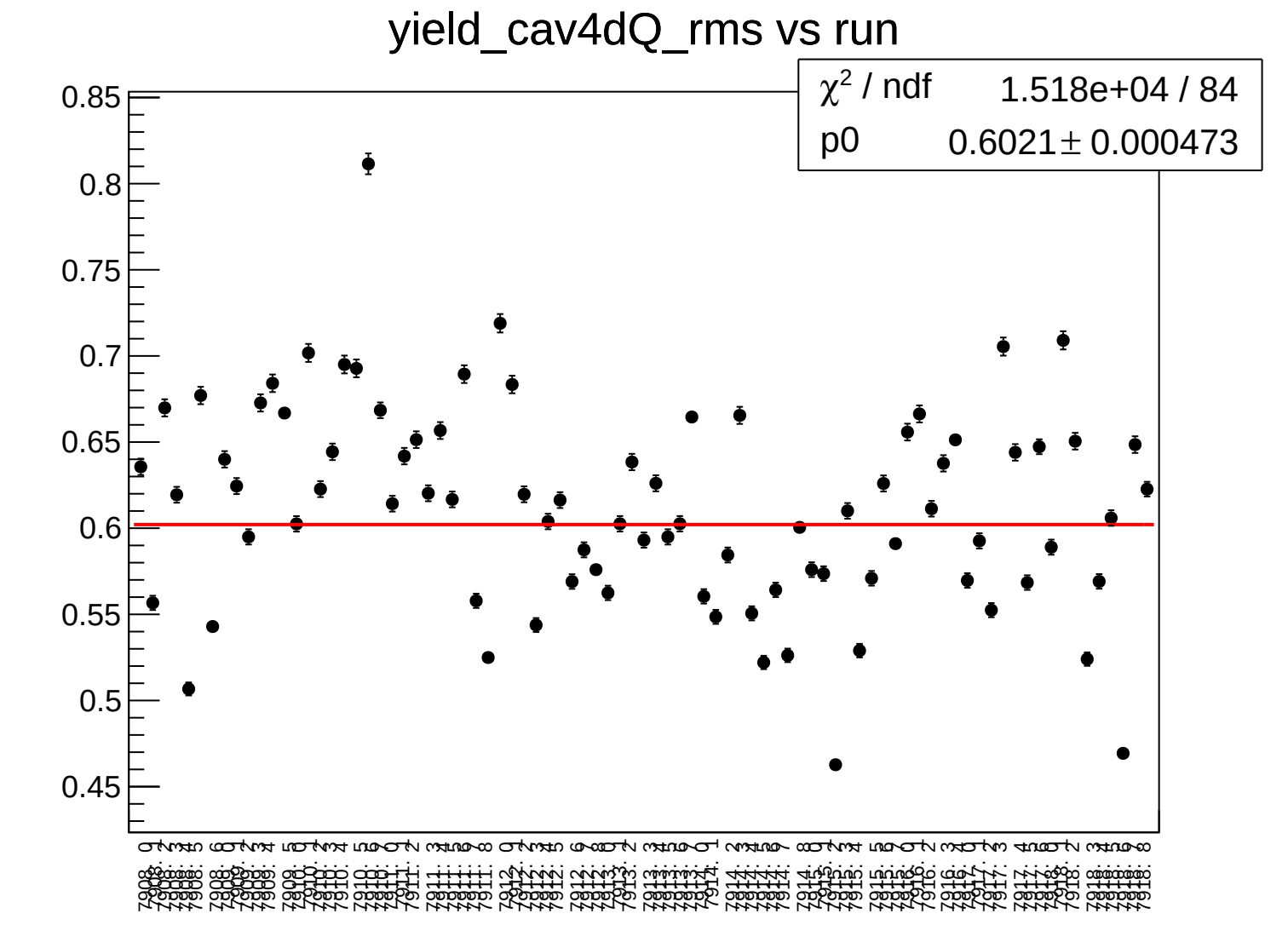

yield_cav4cQ_mean vs run
χ² / ndf 1.963e+06 / 84
p0 149.2 ± 0.001156
152
151
150
149
148
147
146
pull
Entries 85
Mean −203.1
Std Dev 243.8
400
300
200
100
0
−100
−200
−300
−400
−500

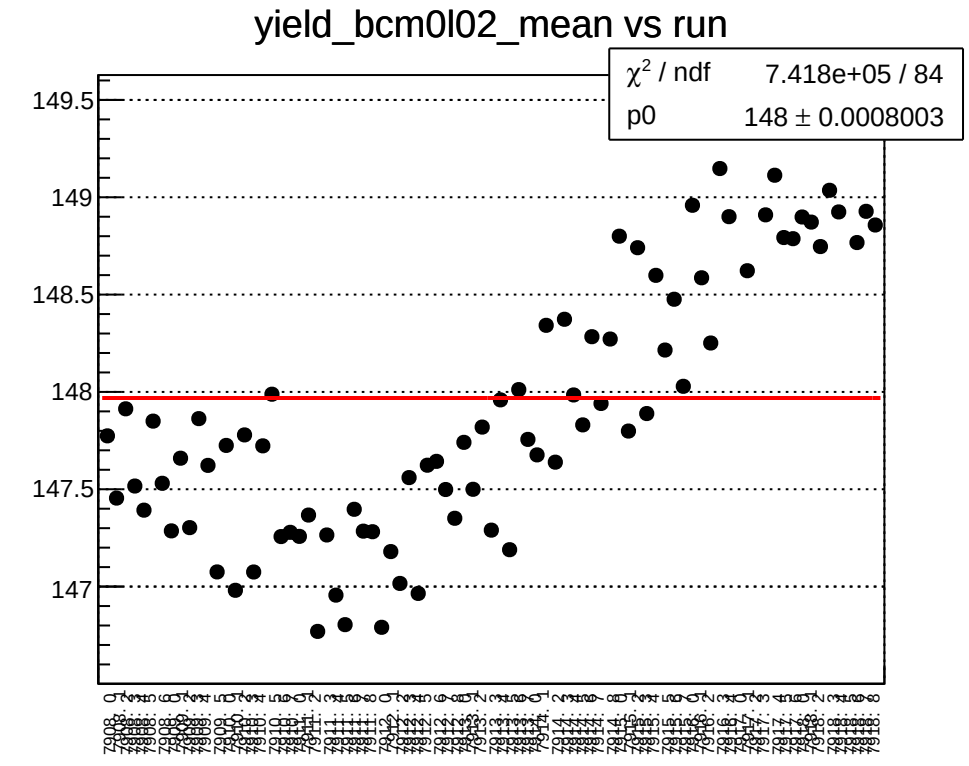

pull1D
Entries 85
Mean 0.9735
Std Dev 0.02802
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

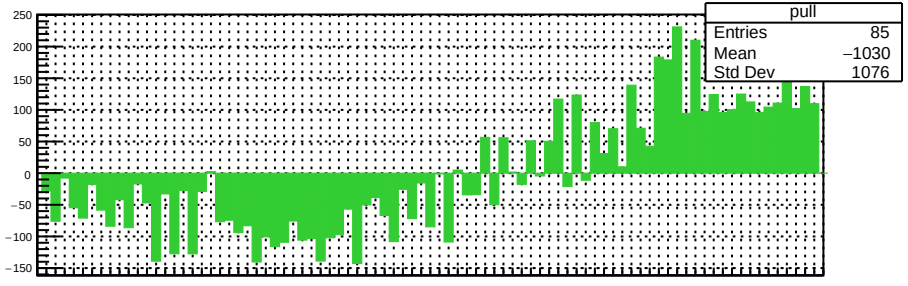

yield_cav4cQ_rms vs run
χ² / ndf 2.143e+05 / 84
p0 0.9742 ± 0.0008172
2.5
2
1.5
1
0.5

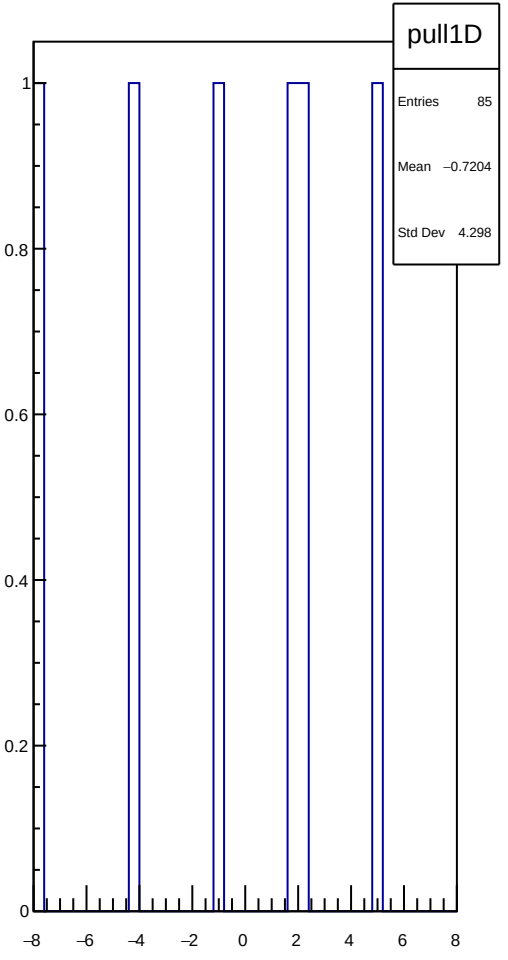

yield_cav4dQ_mean vs run
χ² / ndf 7.081e+05 / 84
p0 145.7 ± 0.000669
147
146.5
146
145.5
145
144.5
pull
Entries 85
Mean −1594
Std Dev 1640
200
150
100
50
0
−50
−100
−150

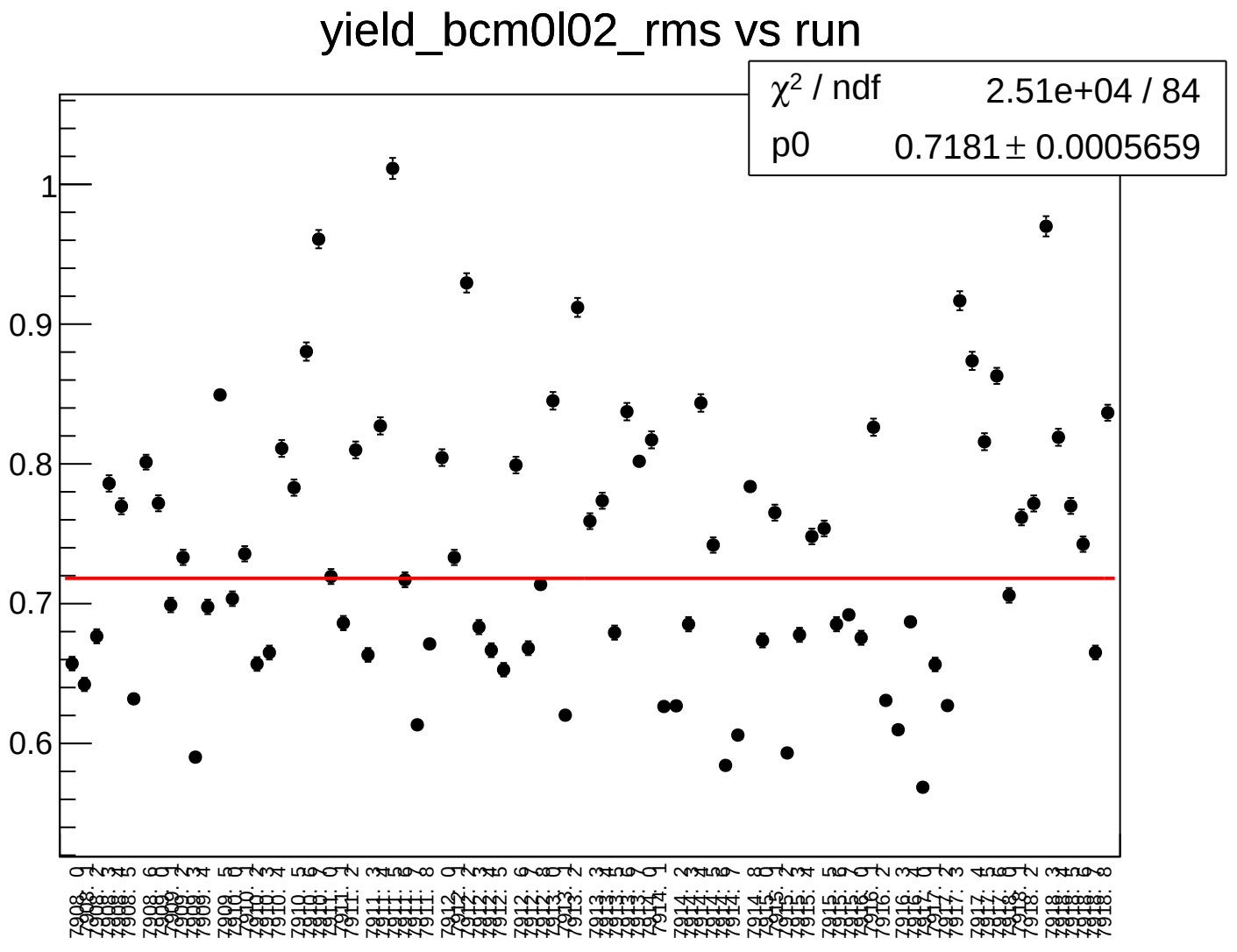

pull1D
Entries 85
Mean −7.343
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

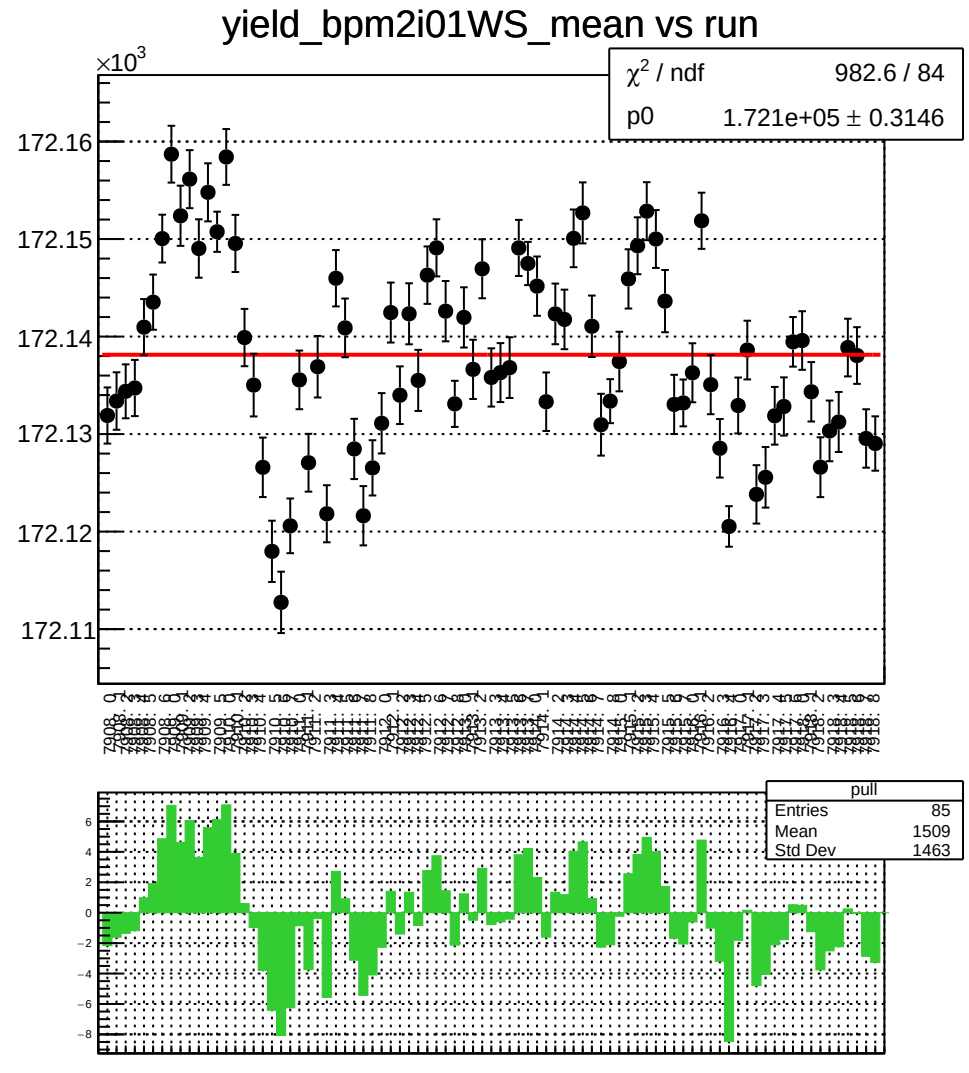

yield_cav4dQ_rms vs run
χ² / ndf 1.518e+04 / 84
p0 0.6021 ± 0.000473
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45

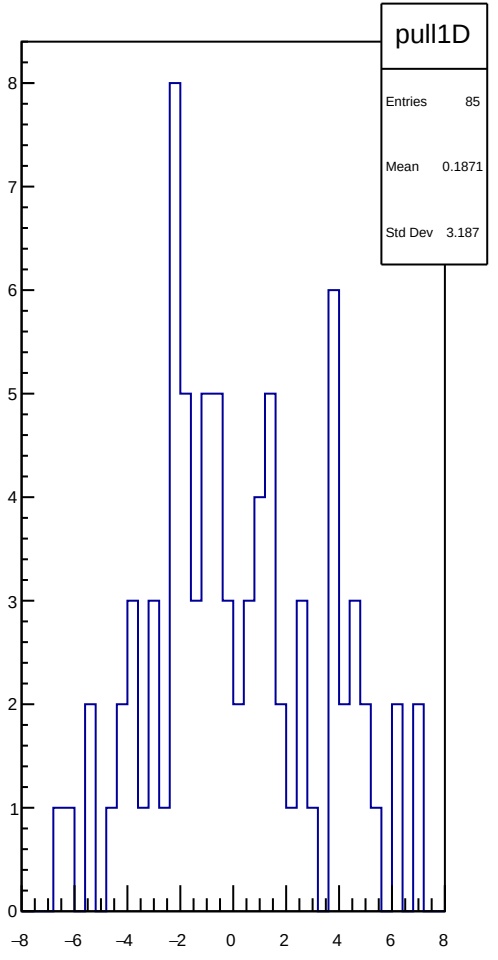

yield_bcm0l02_mean vs run
χ² / ndf 7.418e+05 / 84
p0 148 ± 0.0008003
149.5
149
148.5
148
147.5
147

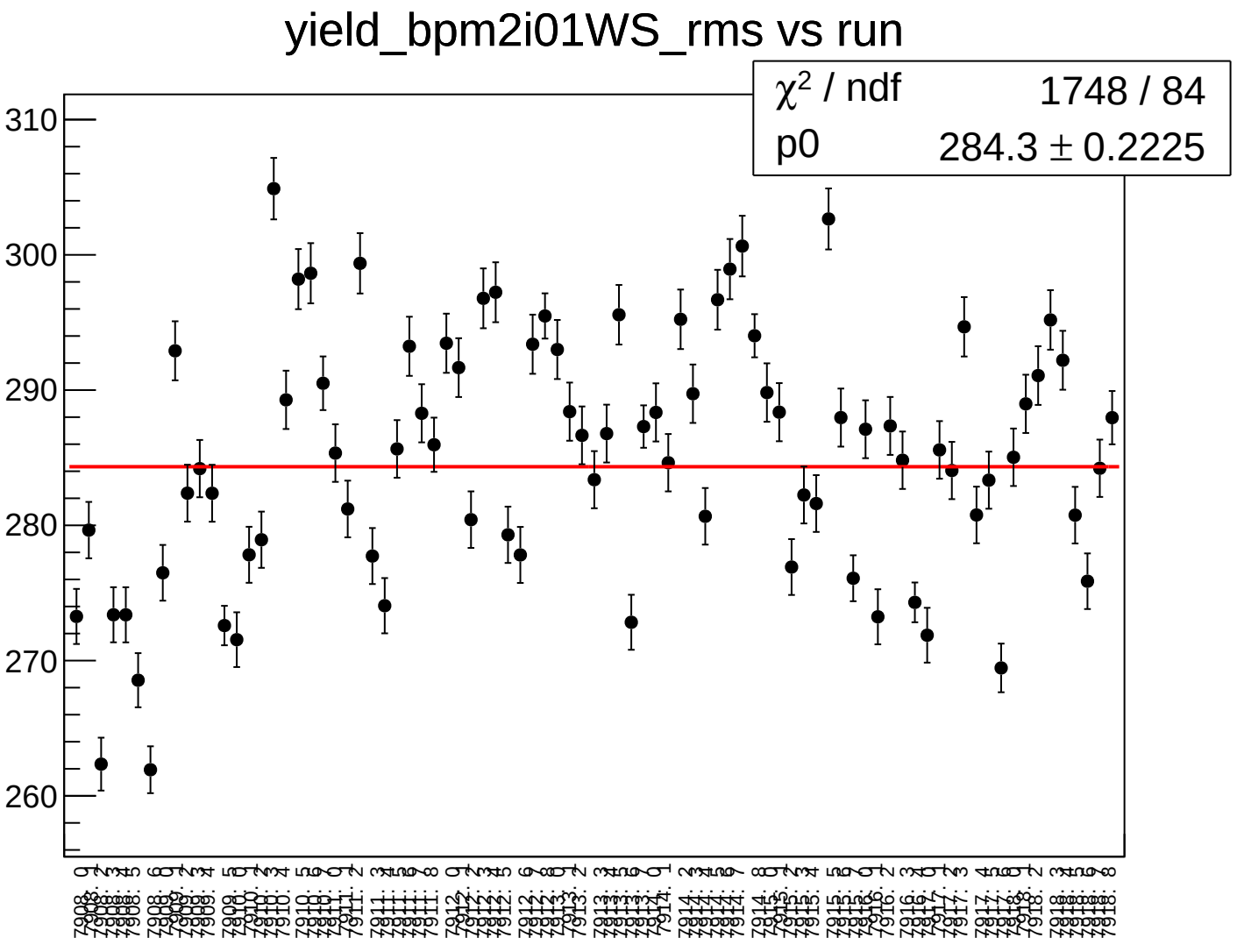

pull
Entries 85
Mean −1030
Std Dev 1076
250
200
150
100
50
0
−50
−100
−150

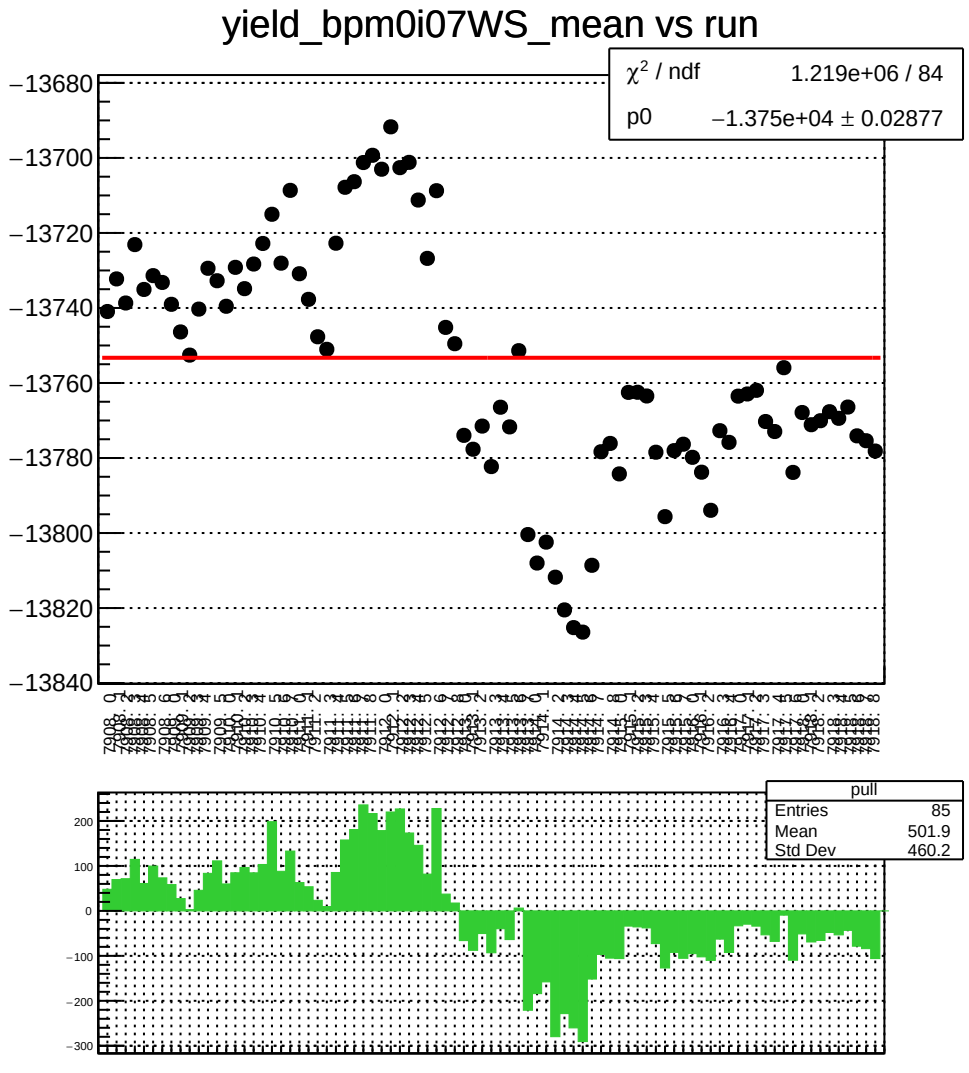

pull1D
Entries 85
Mean −0.7204
Std Dev 4.298
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

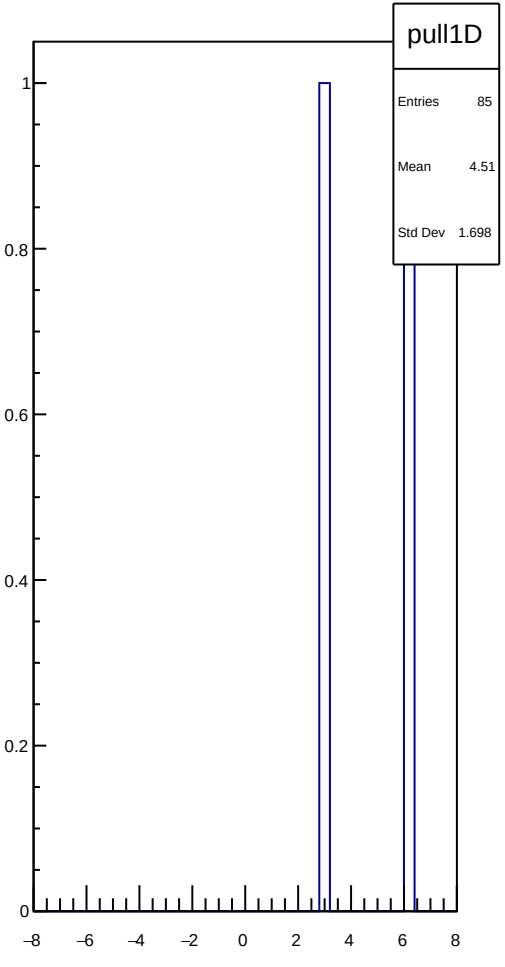

yield_bcm0l02_rms vs run
χ² / ndf 2.51e+04 / 84
p0 0.7181 ± 0.0005659
1
0.9
0.8
0.7
0.6

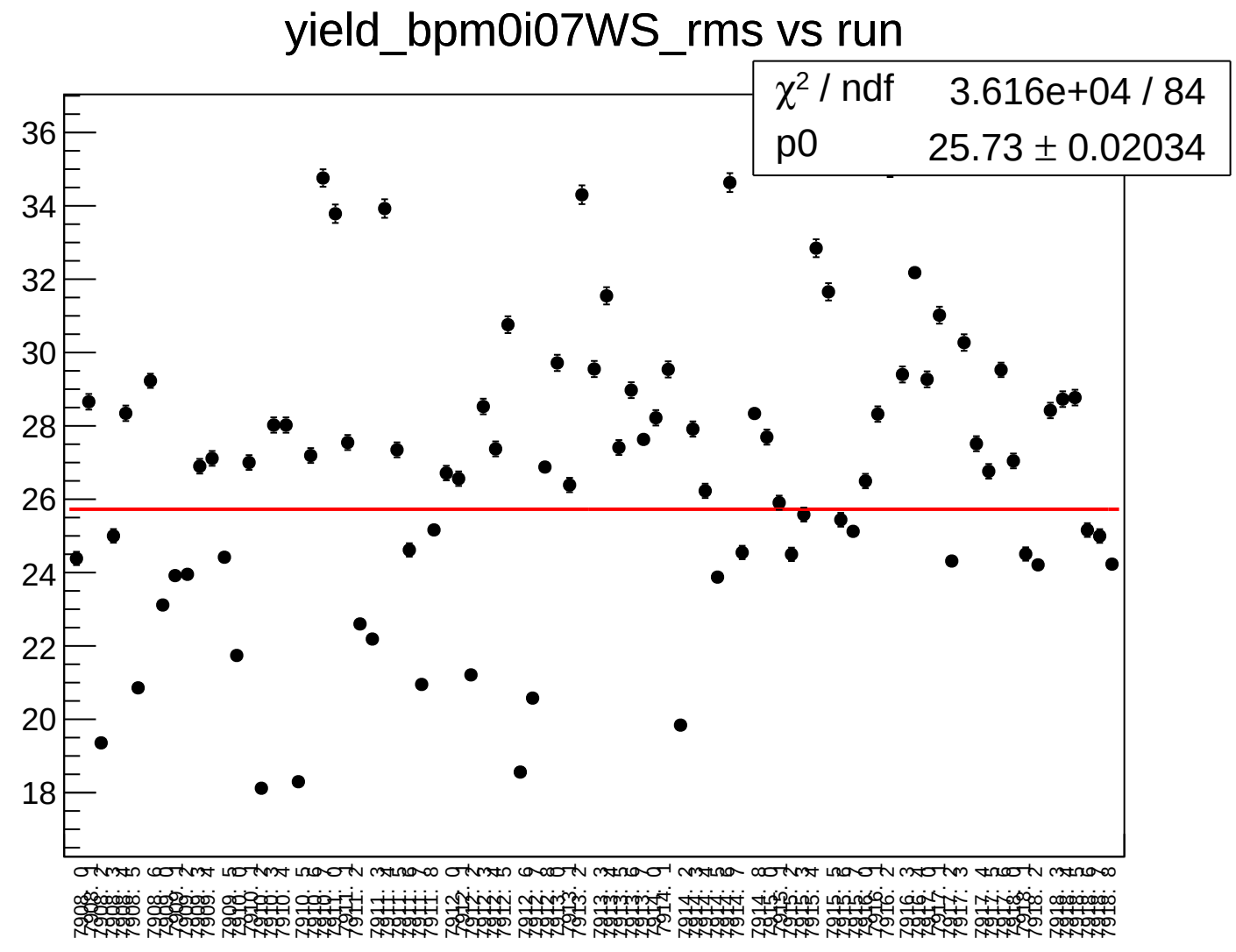

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 982.6 / 84
p0 1.721e+05 ± 0.3146
172.16
172.15
172.14
172.13
172.12
172.11
pull
Entries 85
Mean 1509
Std Dev 1463

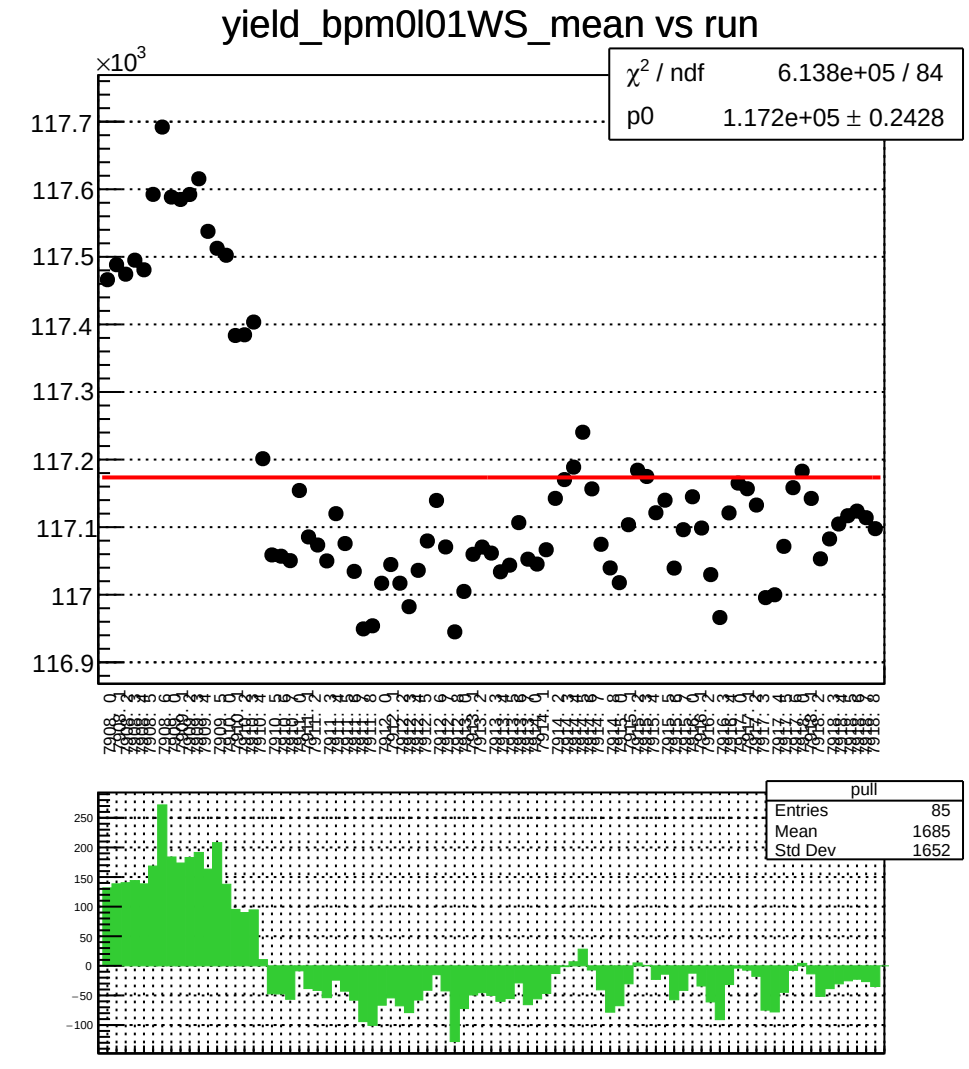

pull1D
Entries 85
Mean 0.1871
Std Dev 3.187

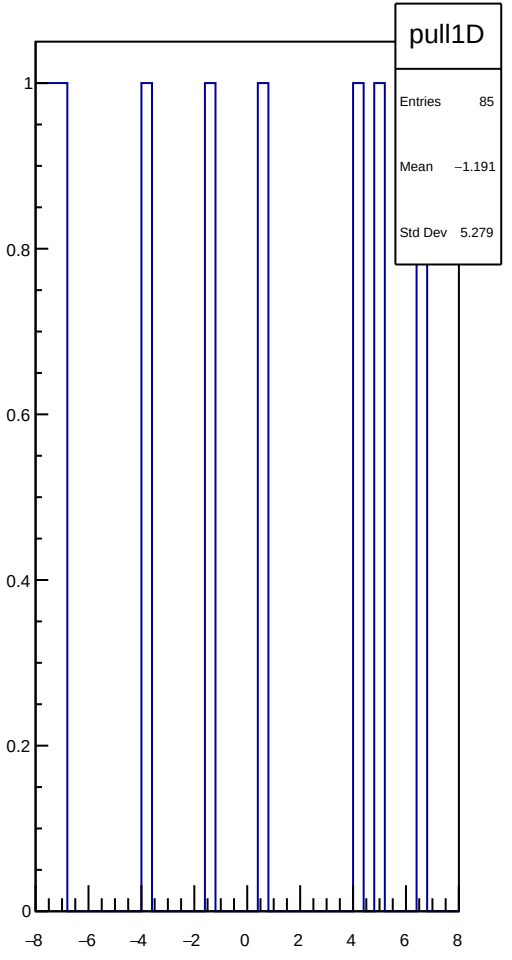

yield_bpm2i01WS_rms vs run
χ² / ndf 1748 / 84
p0 284.3 ± 0.2225
310
300
290
280
270
260

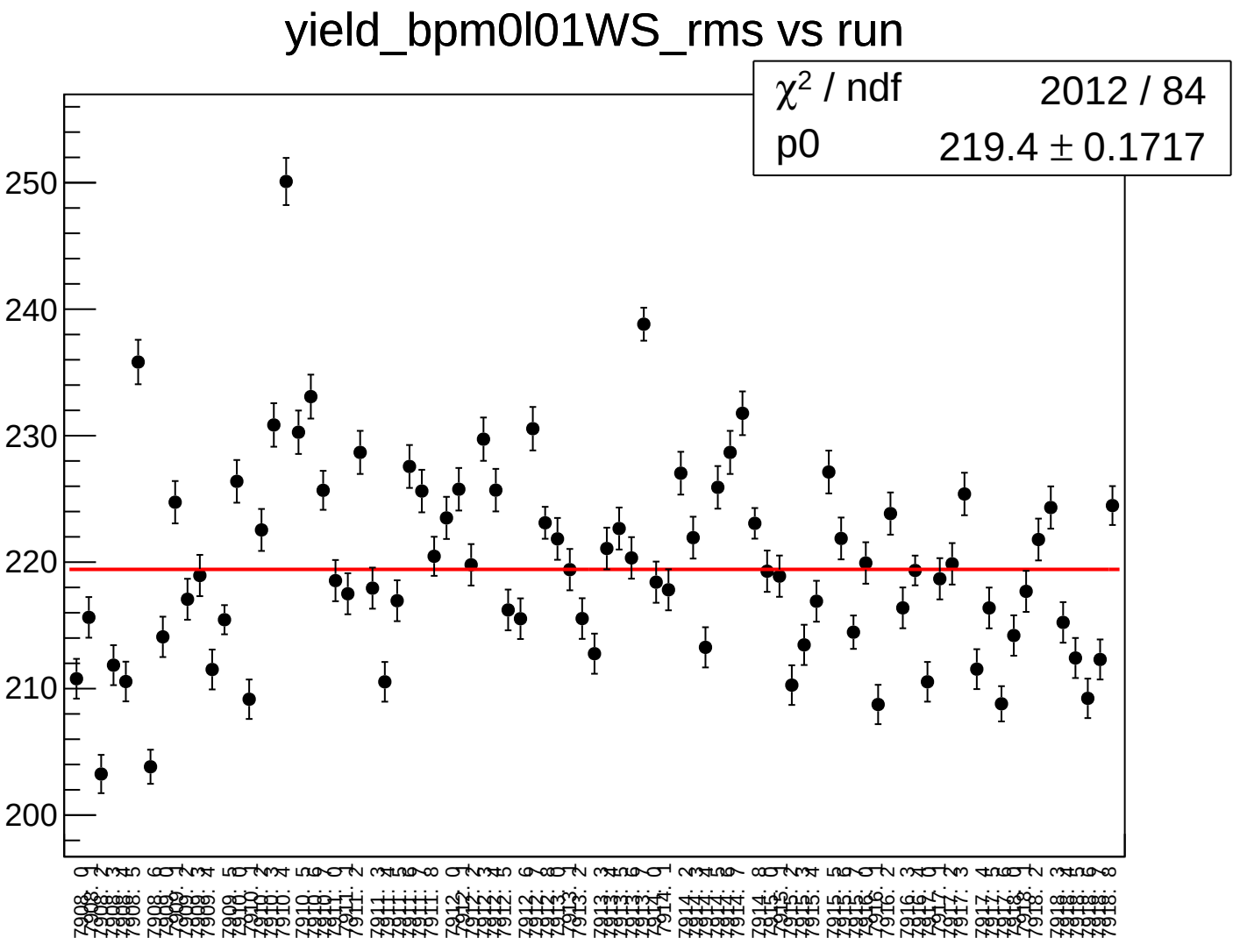

yield_bpm0i07WS_mean vs run
χ² / ndf 1.219e+06 / 84
p0 −1.375e+04 ± 0.02877
−13680
−13700
−13720
−13740
−13760
−13780
−13800
−13820
−13840
pull
Entries 85
Mean 501.9
Std Dev 460.2
200
100
0
−100
−200
−300

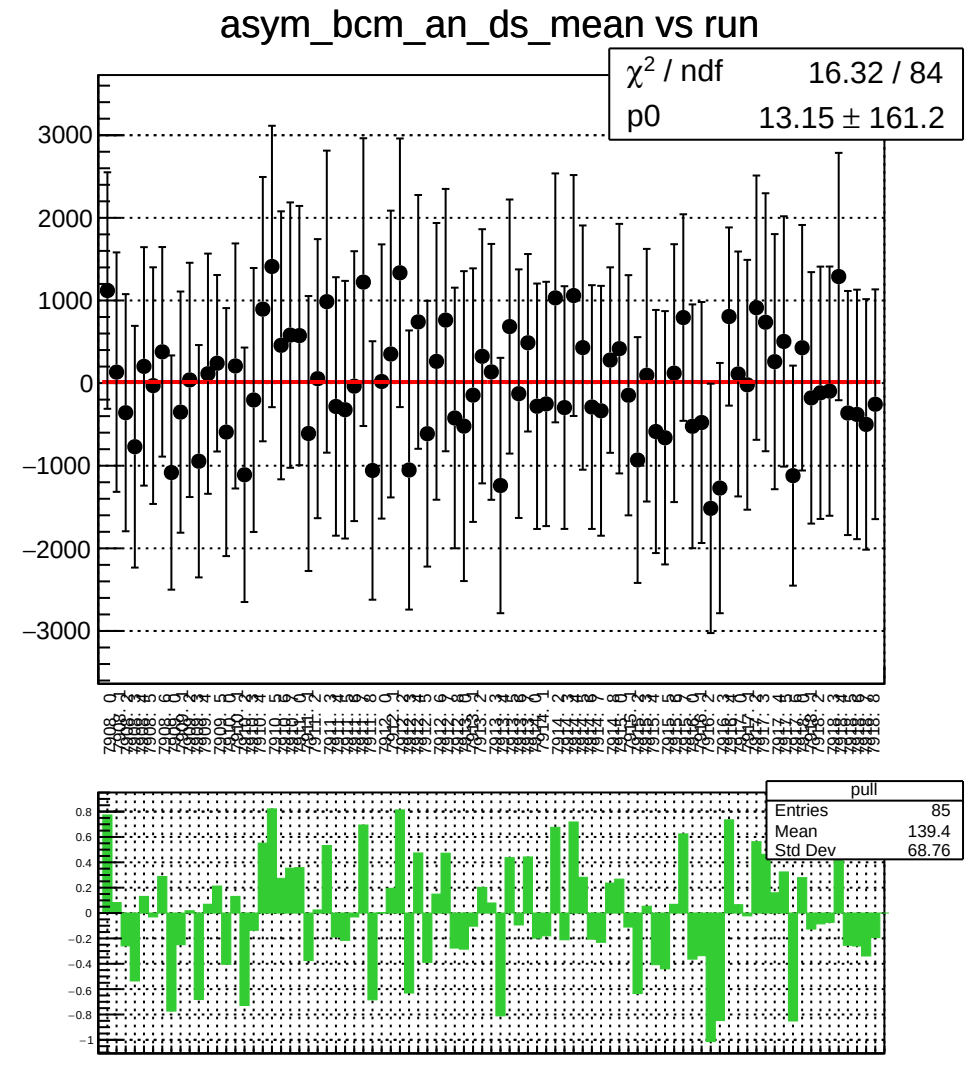

pull1D
Entries 85
Mean 4.51
Std Dev 1.698
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

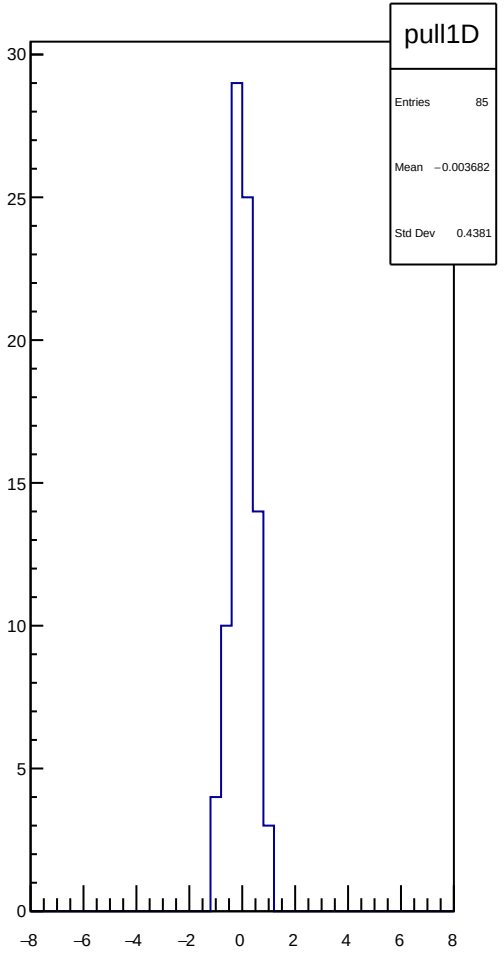

yield_bpm0i07WS_rms vs run
χ² / ndf 3.616e+04 / 84
p0 25.73 ± 0.02034
36
34
32
30
28
26
24
22
20
18

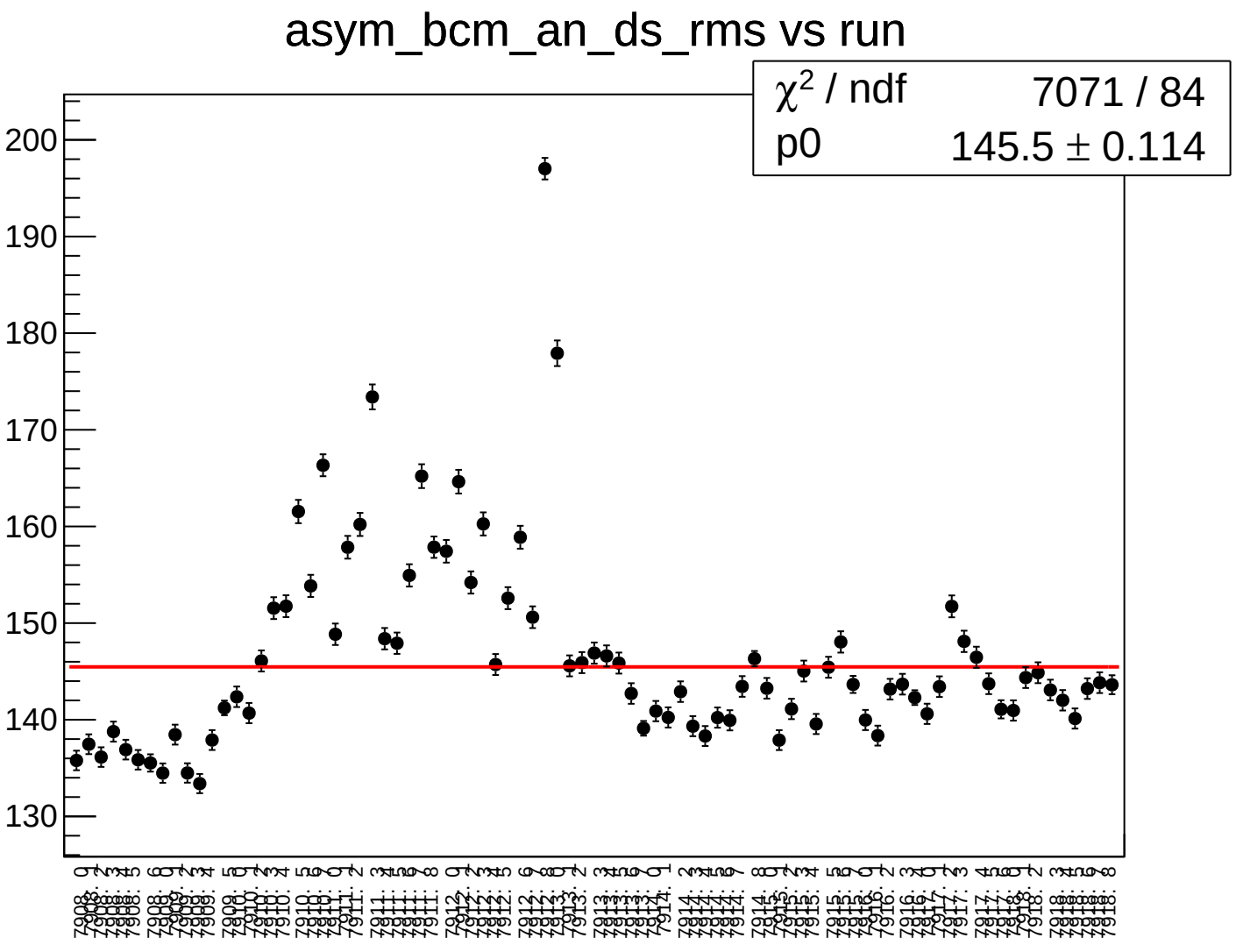

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 6.138e+05 / 84
p0 1.172e+05 ± 0.2428
117.7
117.6
117.5
117.4
117.3
117.2
117.1
117
116.9
pull
Entries 85
Mean 1685
Std Dev 1652
250
200
150
100
50
0
−50
−100

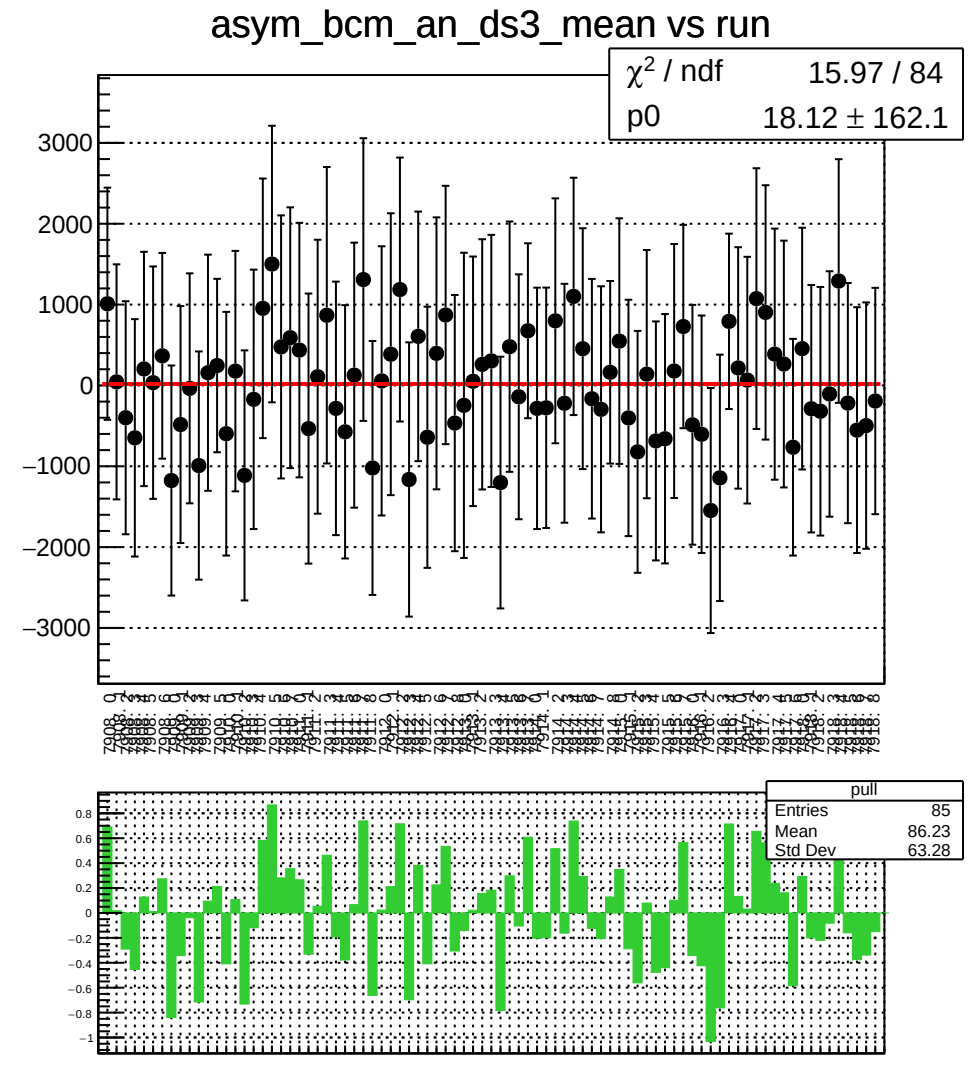

pull1D
Entries 85
Mean −1.191
Std Dev 5.279
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

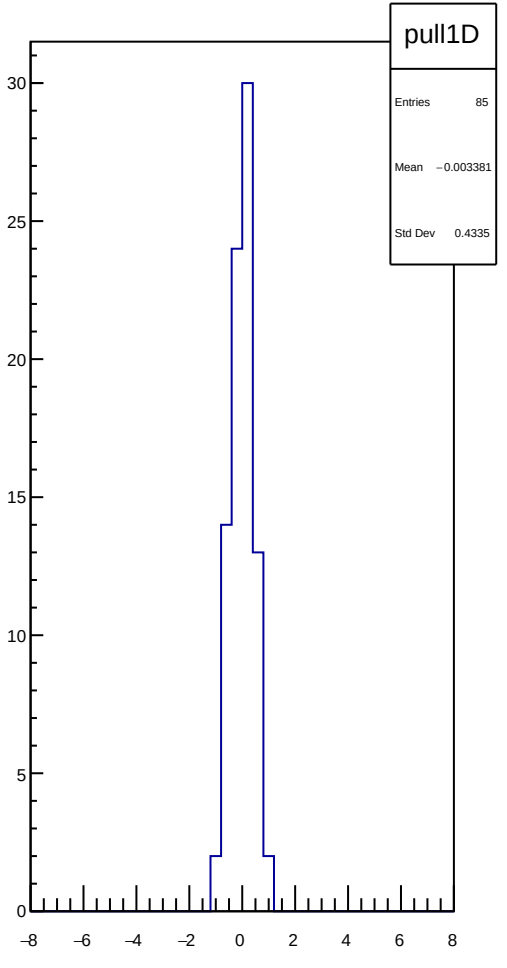

yield_bpm0l01WS_rms vs run
χ² / ndf 2012 / 84
p0 219.4 ± 0.1717
250
240
230
220
210
200

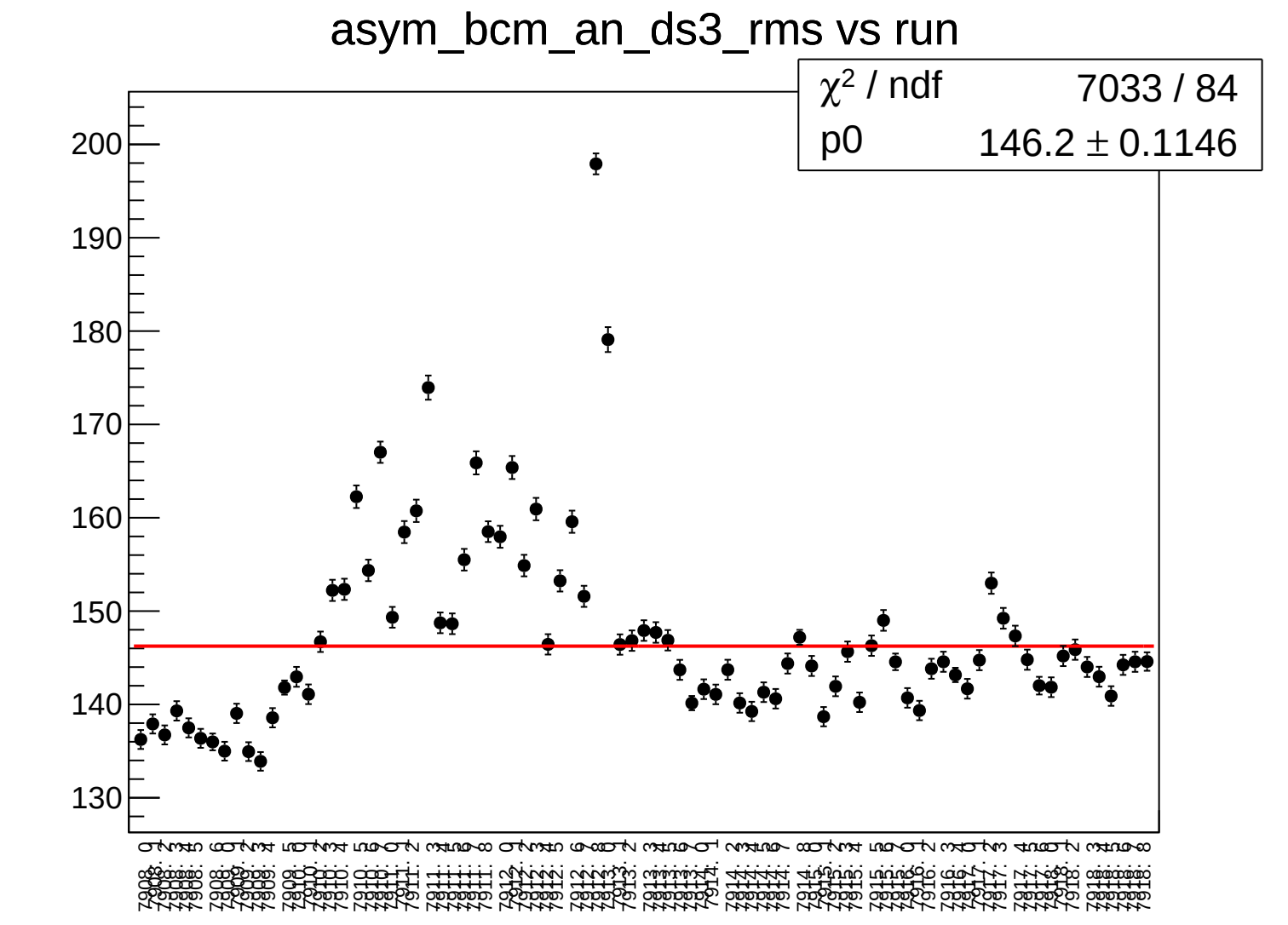

asym_bcm_an_ds_mean vs run
χ² / ndf 16.32 / 84
p0 13.15 ± 161.2
pull
Entries 85
Mean 139.4
Std Dev 68.76

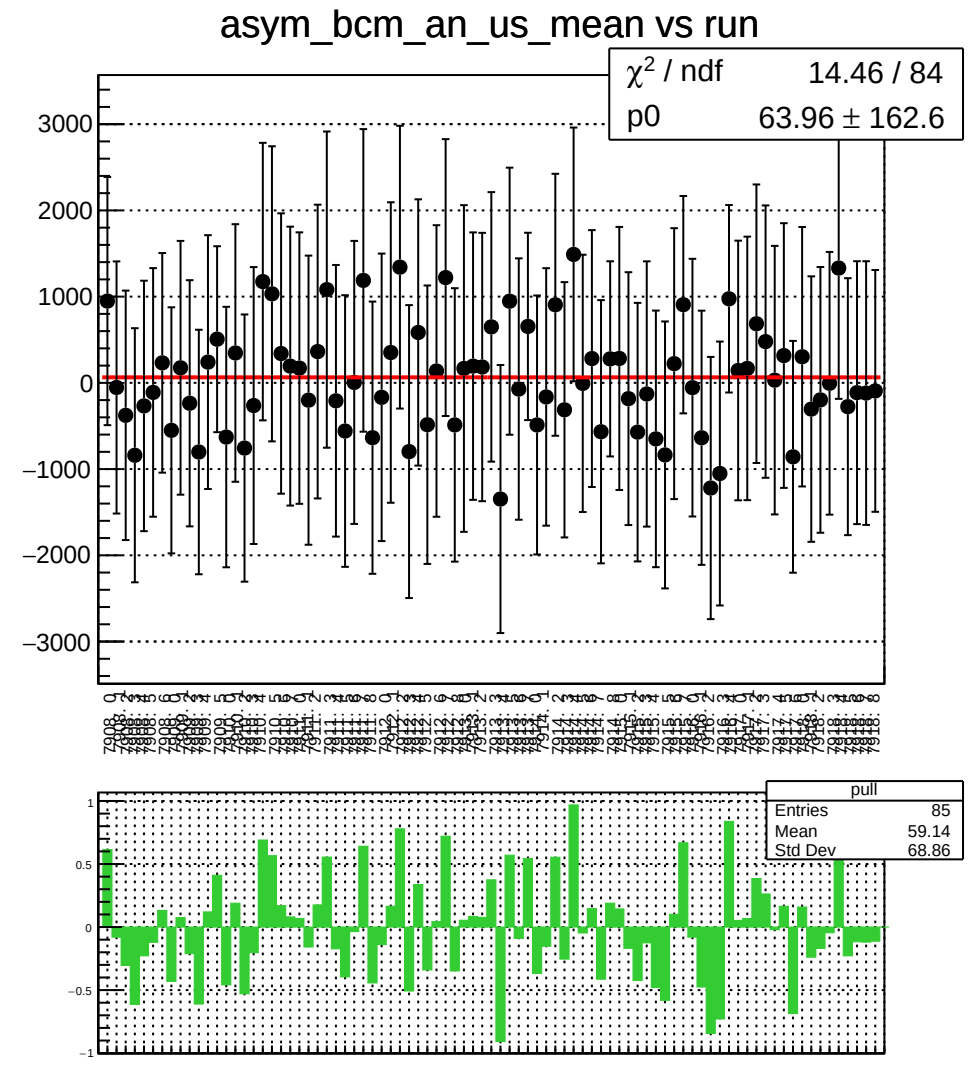

pull1D
Entries 85
Mean −0.003682
Std Dev 0.4381

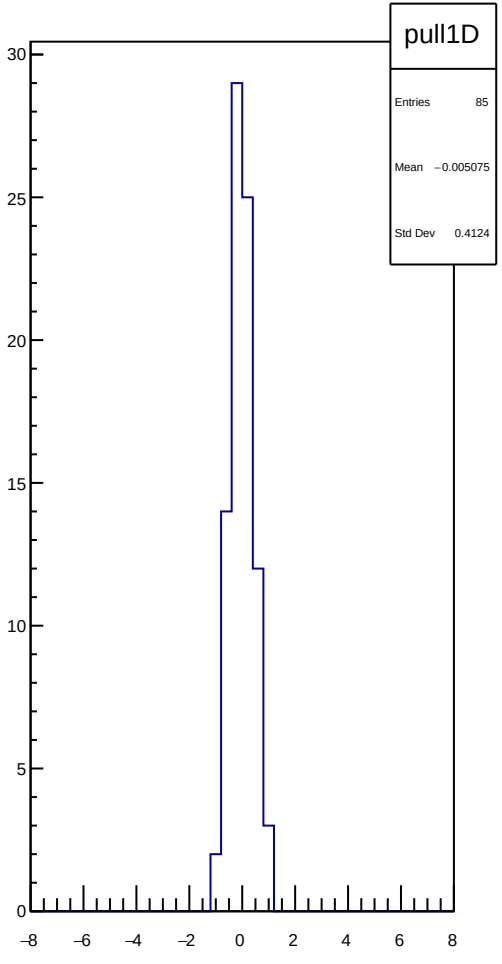

asym_bcm_an_ds_rms vs run
χ^2 / ndf 7071 / 84
p0 145.5 ± 0.114
200
190
180
170
160
150
140
130

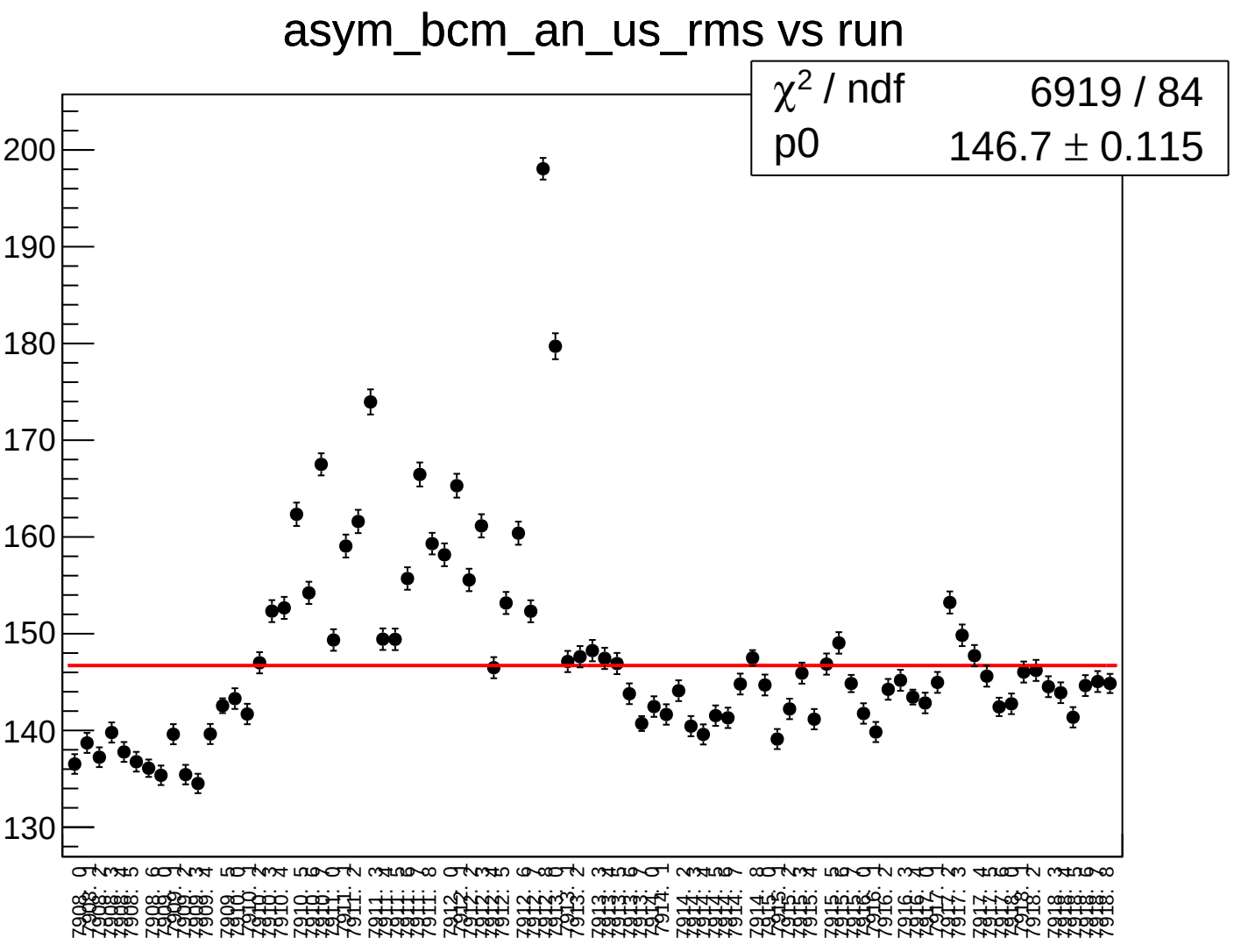

asym_bcm_an_ds3_mean vs run
χ² / ndf 15.97 / 84
p0 18.12 ± 162.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 86.23
Std Dev 63.28
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

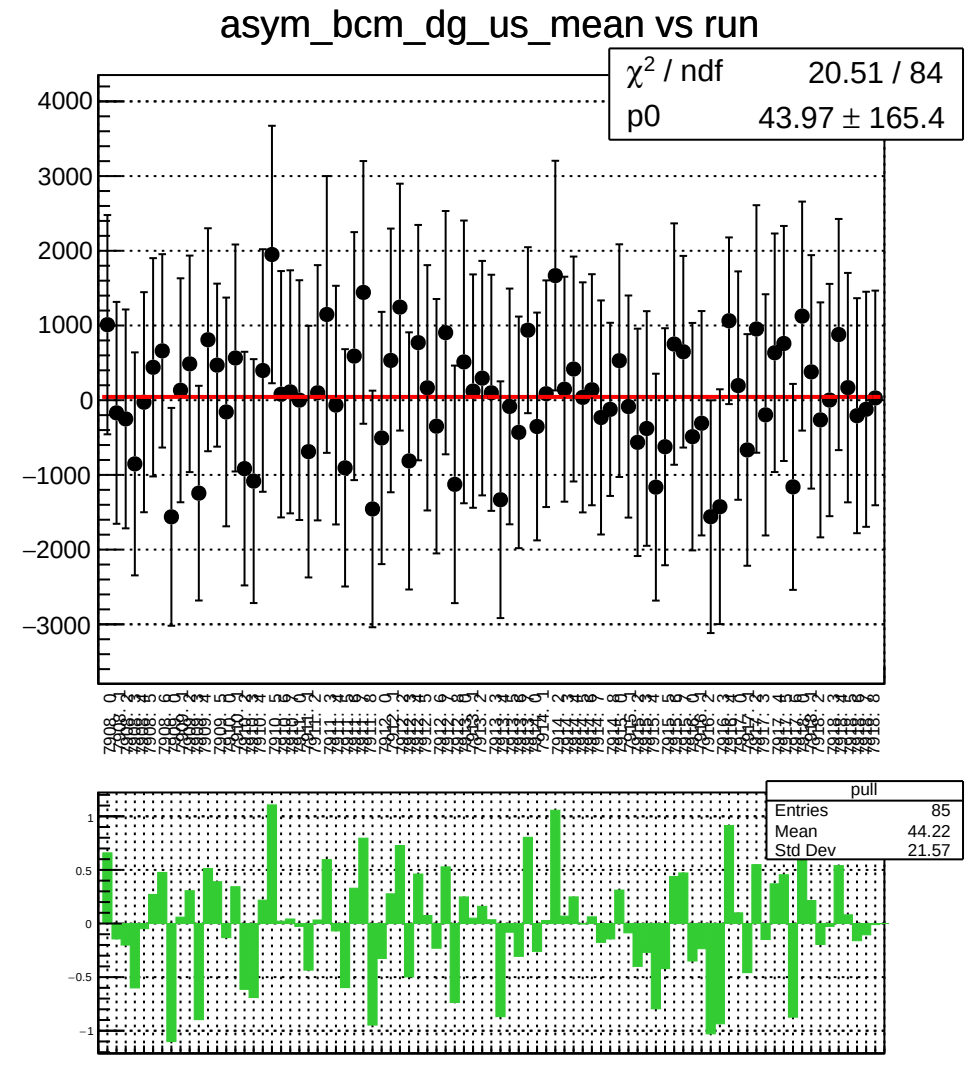

pull1D
Entries 85
Mean −0.003381
Std Dev 0.4335
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

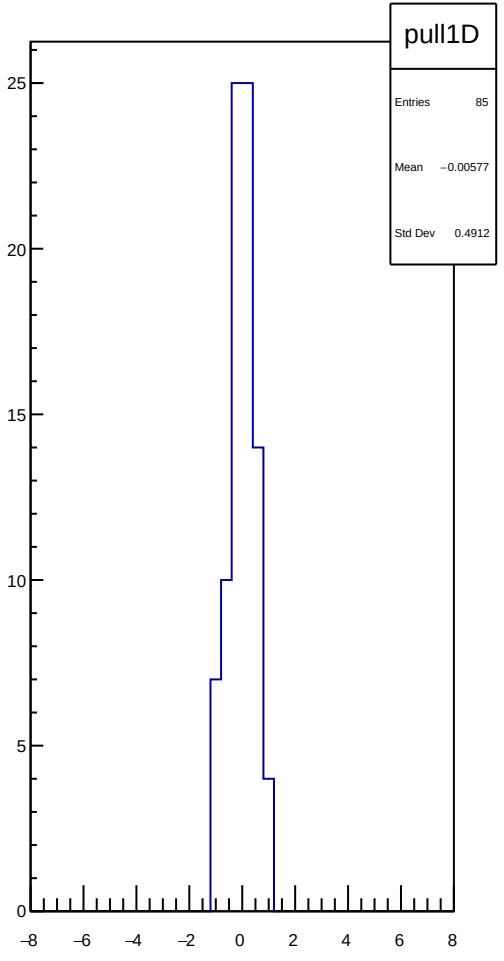

asym_bcm_an_ds3_rms vs run
χ² / ndf 7033 / 84
p0 146.2 ± 0.1146
200
190
180
170
160
150
140
130

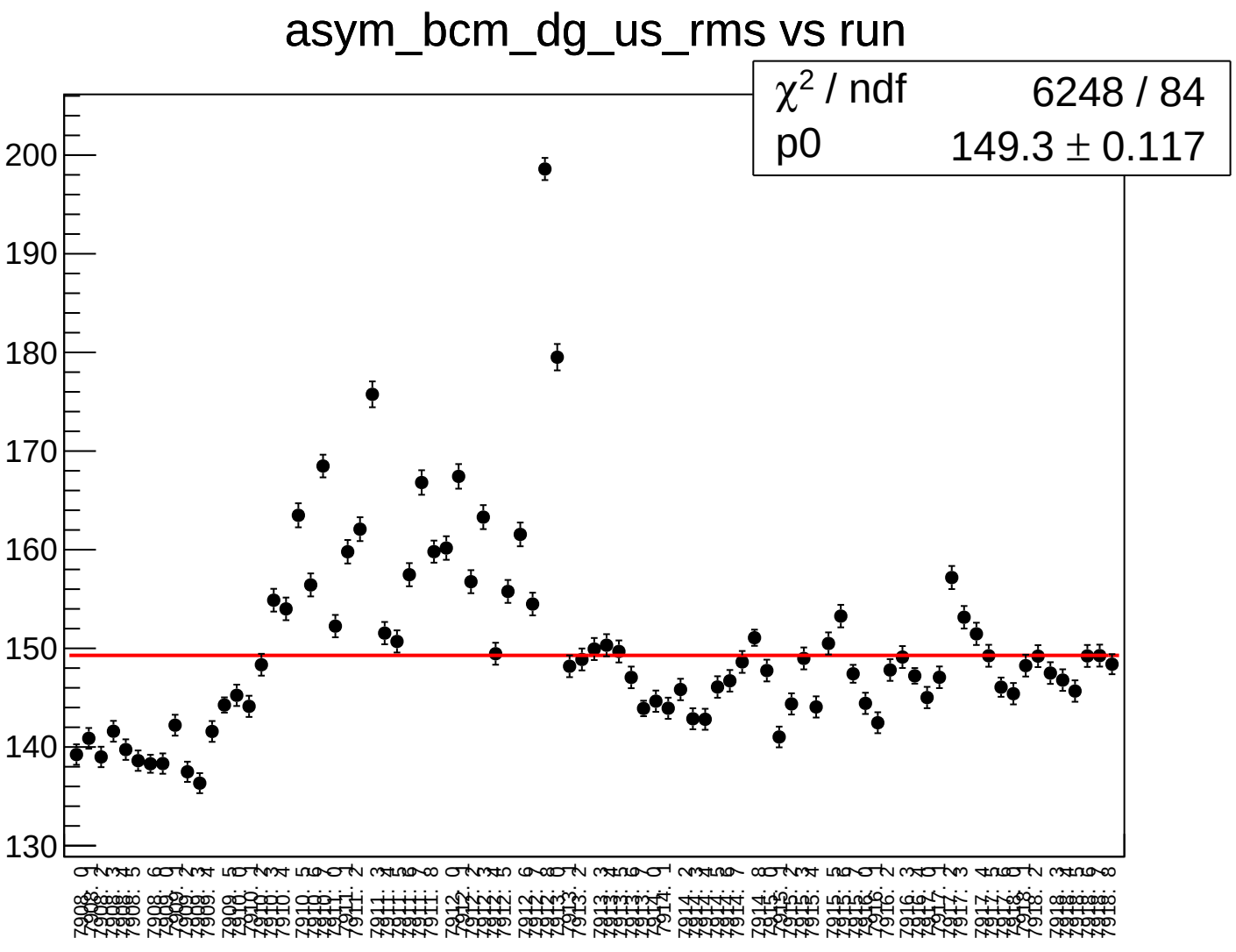

asym_bcm_an_us_mean vs run
χ² / ndf 14.46 / 84
p0 63.96 ± 162.6
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 59.14
Std Dev 68.86
1
0.5
0
−0.5
−1

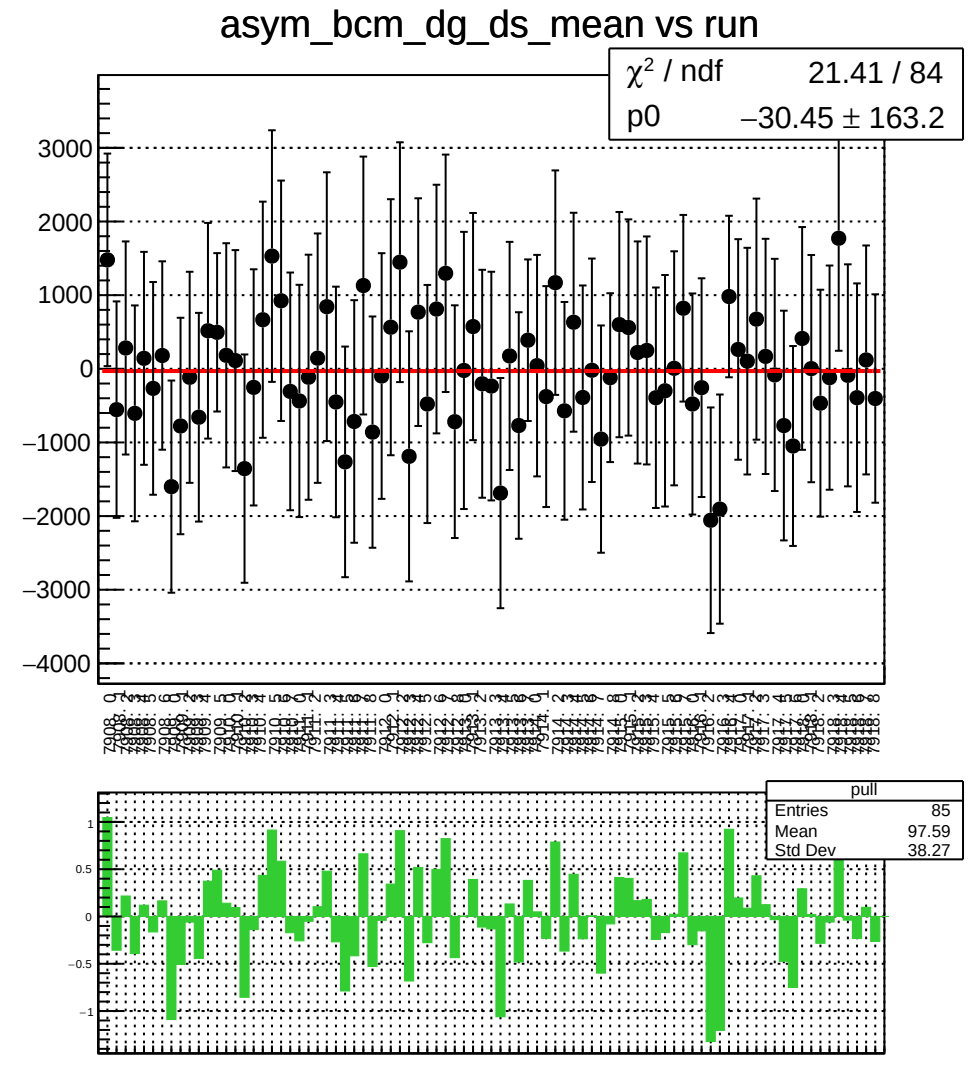

pull1D
Entries 85
Mean −0.005075
Std Dev 0.4124
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

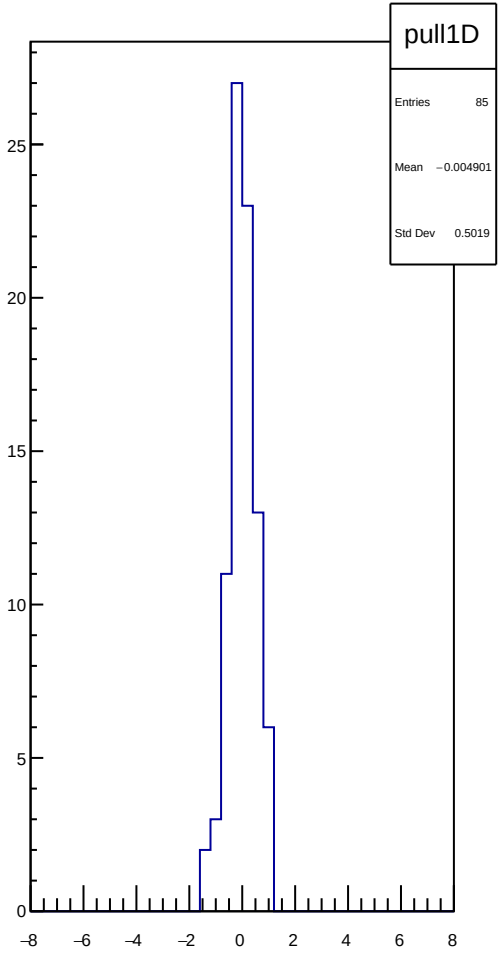

asym_bcm_an_us_rms vs run
χ² / ndf 6919 / 84
p0 146.7 ± 0.115
200
190
180
170
160
150
140
130

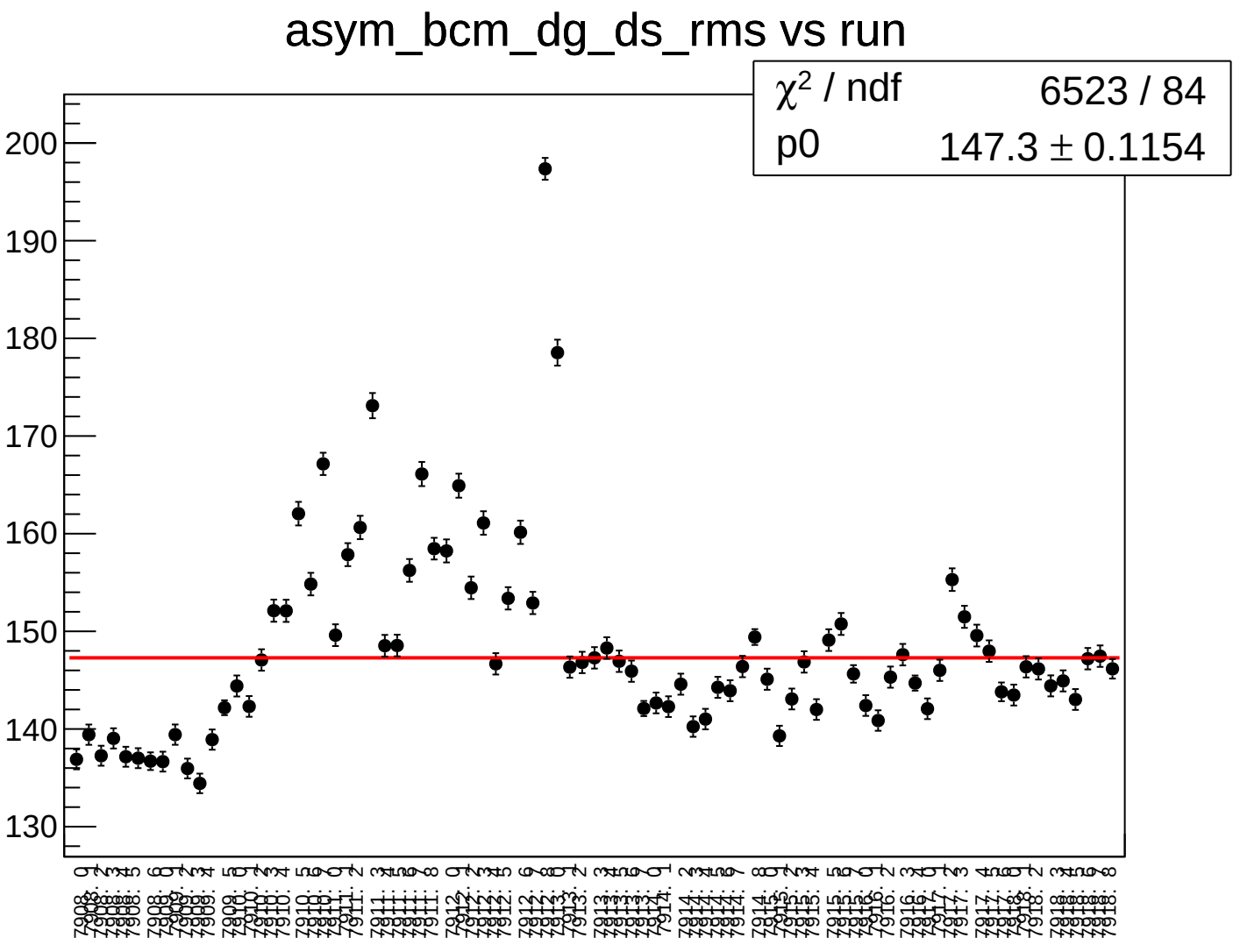

asym_bcm_dg_us_mean vs run
χ² / ndf 20.51 / 84
p0 43.97 ± 165.4
pull
Entries 85
Mean 44.22
Std Dev 21.57

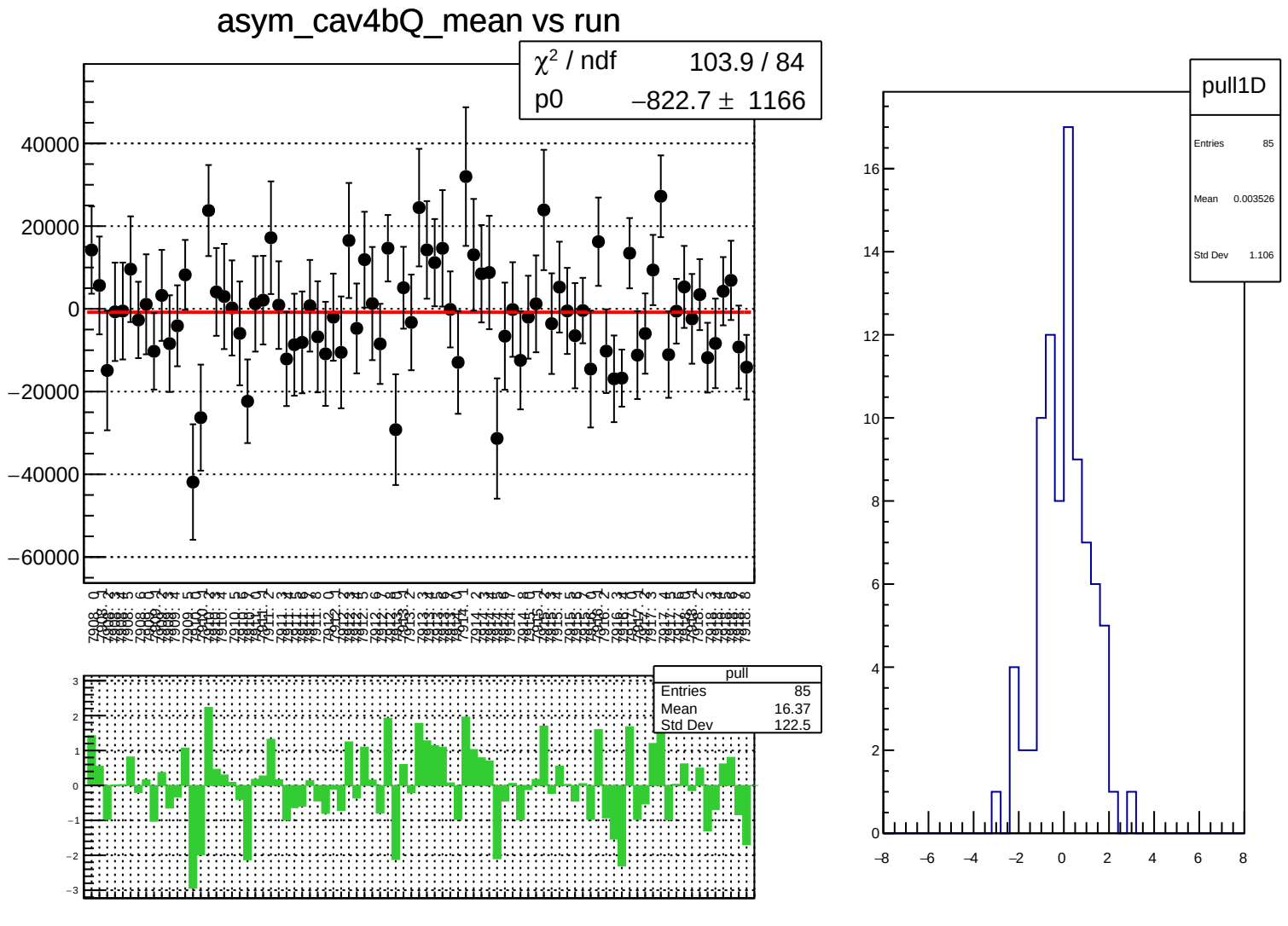

pull1D
Entries 85
Mean −0.00577
Std Dev 0.4912

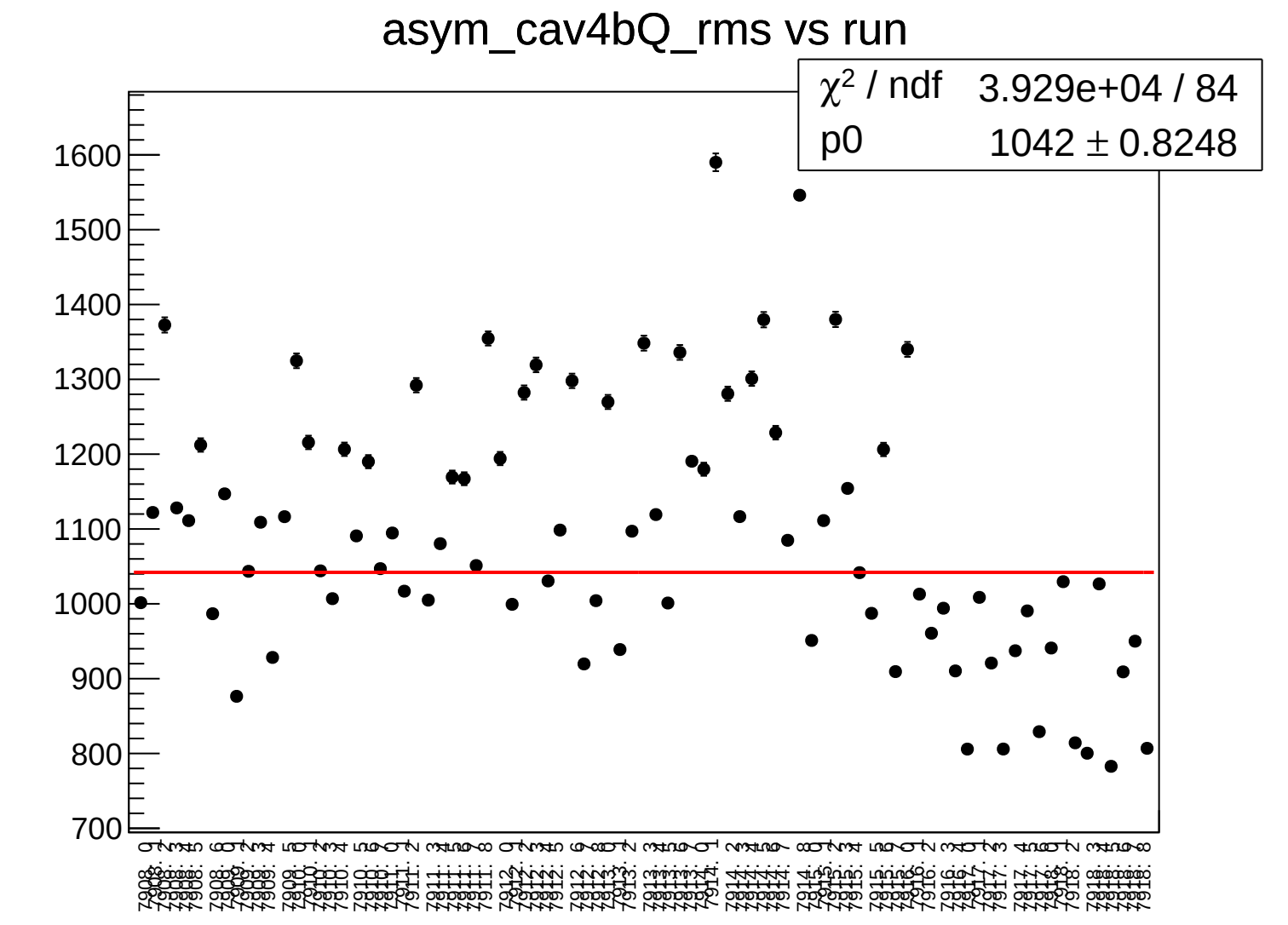

asym_bcm_dg_us_rms vs run
χ² / ndf 6248 / 84
p0 149.3 ± 0.117
200
190
180
170
160
150
140
130

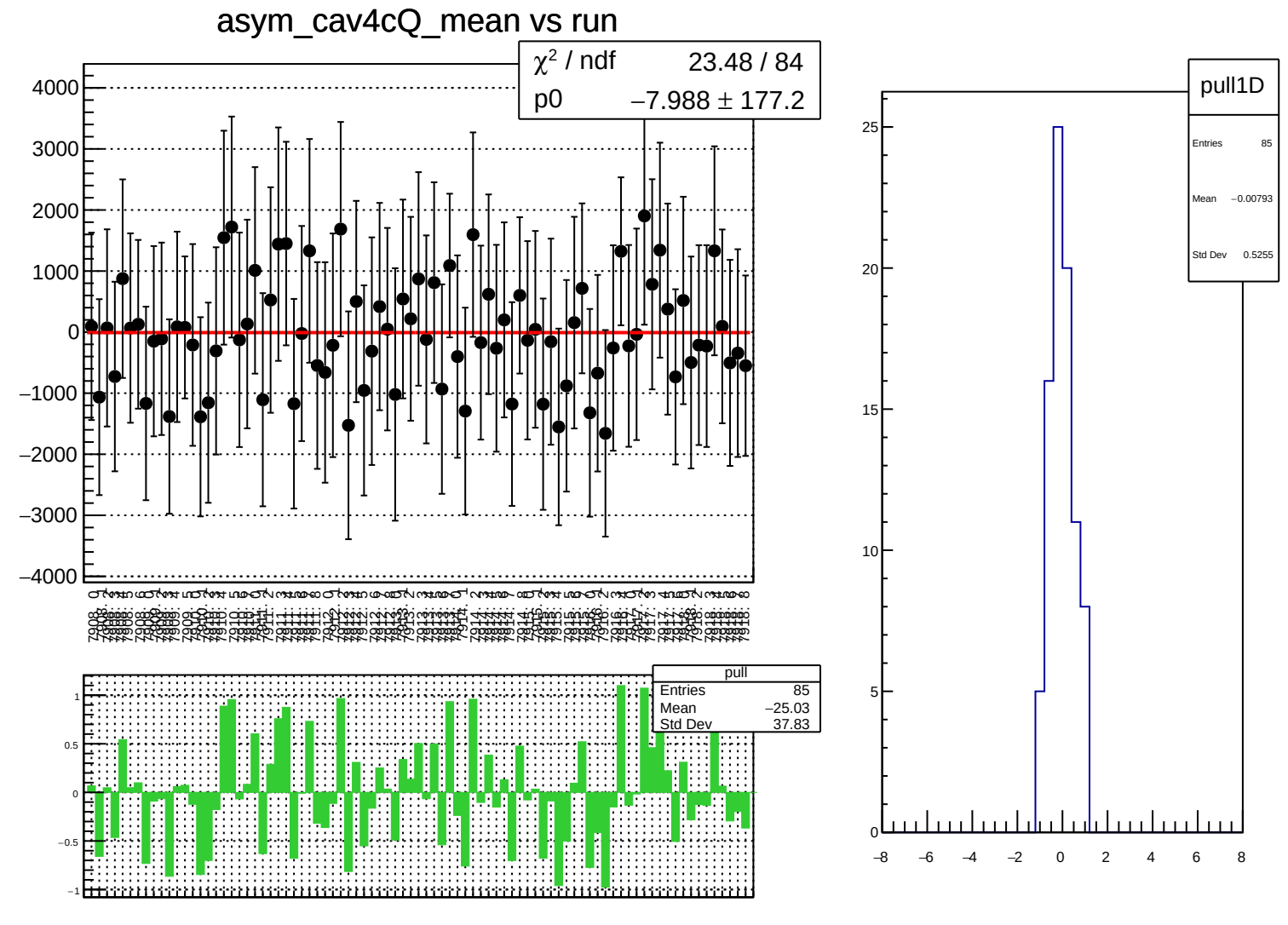

asym_bcm_dg_ds_mean vs run
χ² / ndf 21.41 / 84
p0 −30.45 ± 163.2
pull
Entries 85
Mean 97.59
Std Dev 38.27

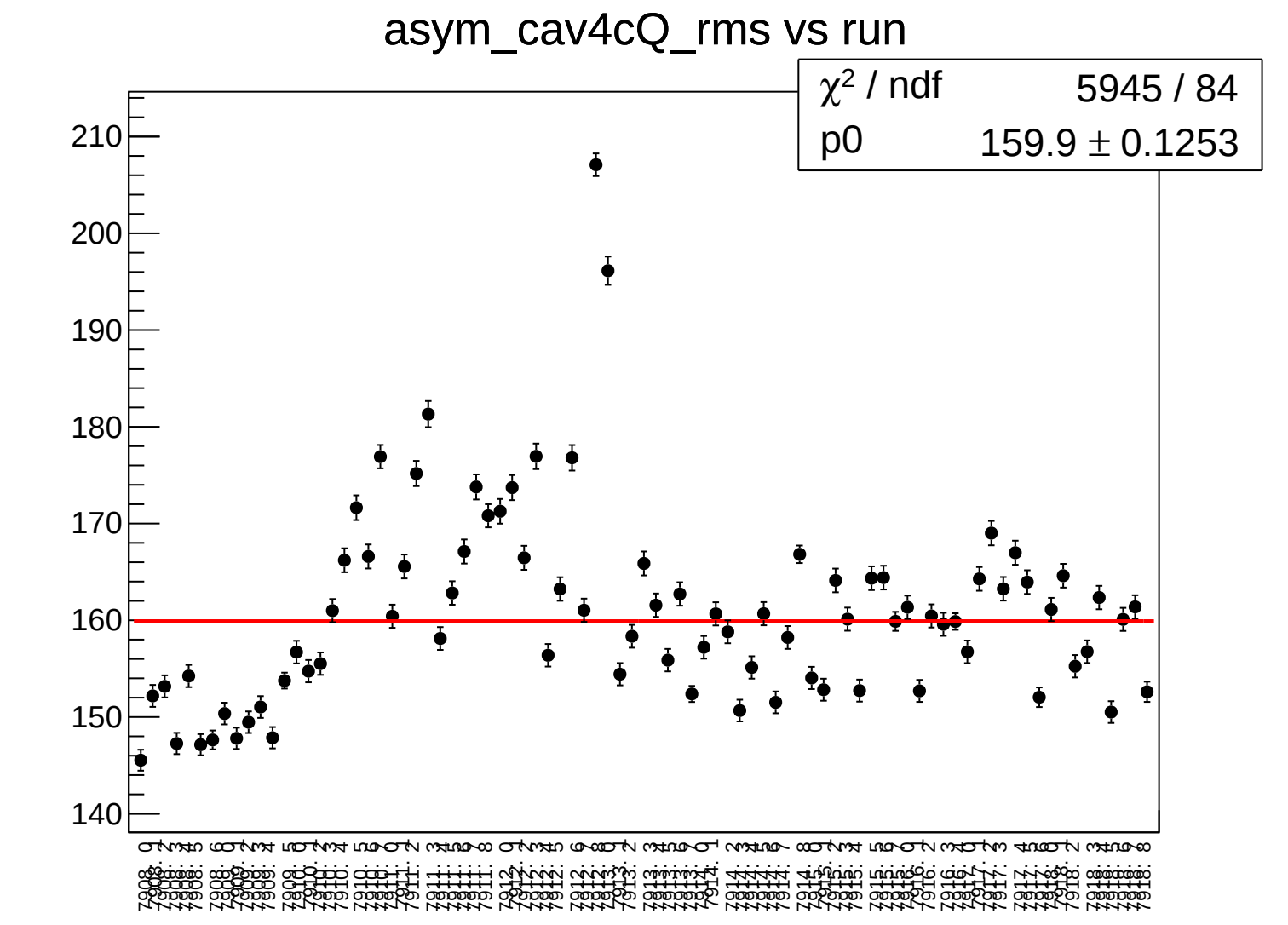

pull1D
Entries 85
Mean −0.004901
Std Dev 0.5019

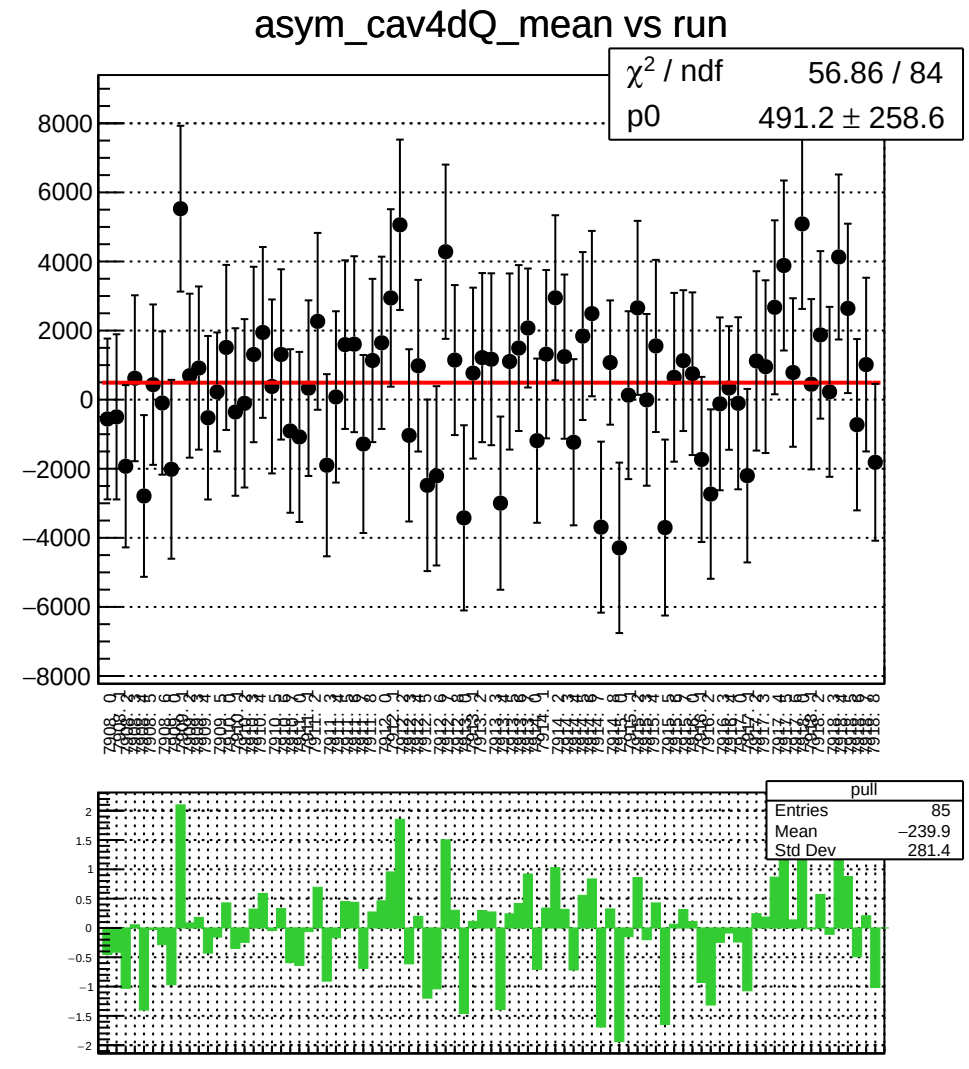

asym_bcm_dg_ds_rms vs run
χ² / ndf 6523 / 84
p0 147.3 ± 0.1154
200
190
180
170
160
150
140
130

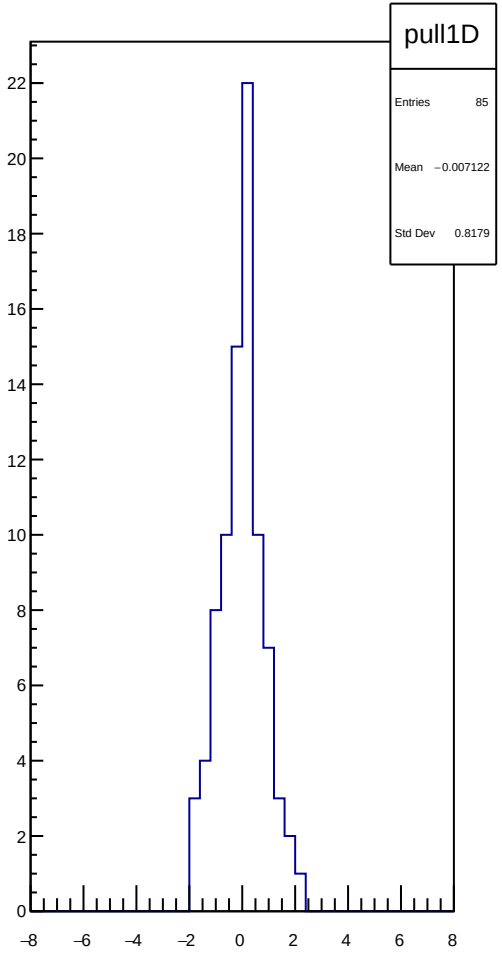

asym_cav4bQ_mean vs run
χ² / ndf 103.9 / 84
p0 −822.7 ± 1166
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 16.37
Std Dev 122.5
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.003526
Std Dev 1.106
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

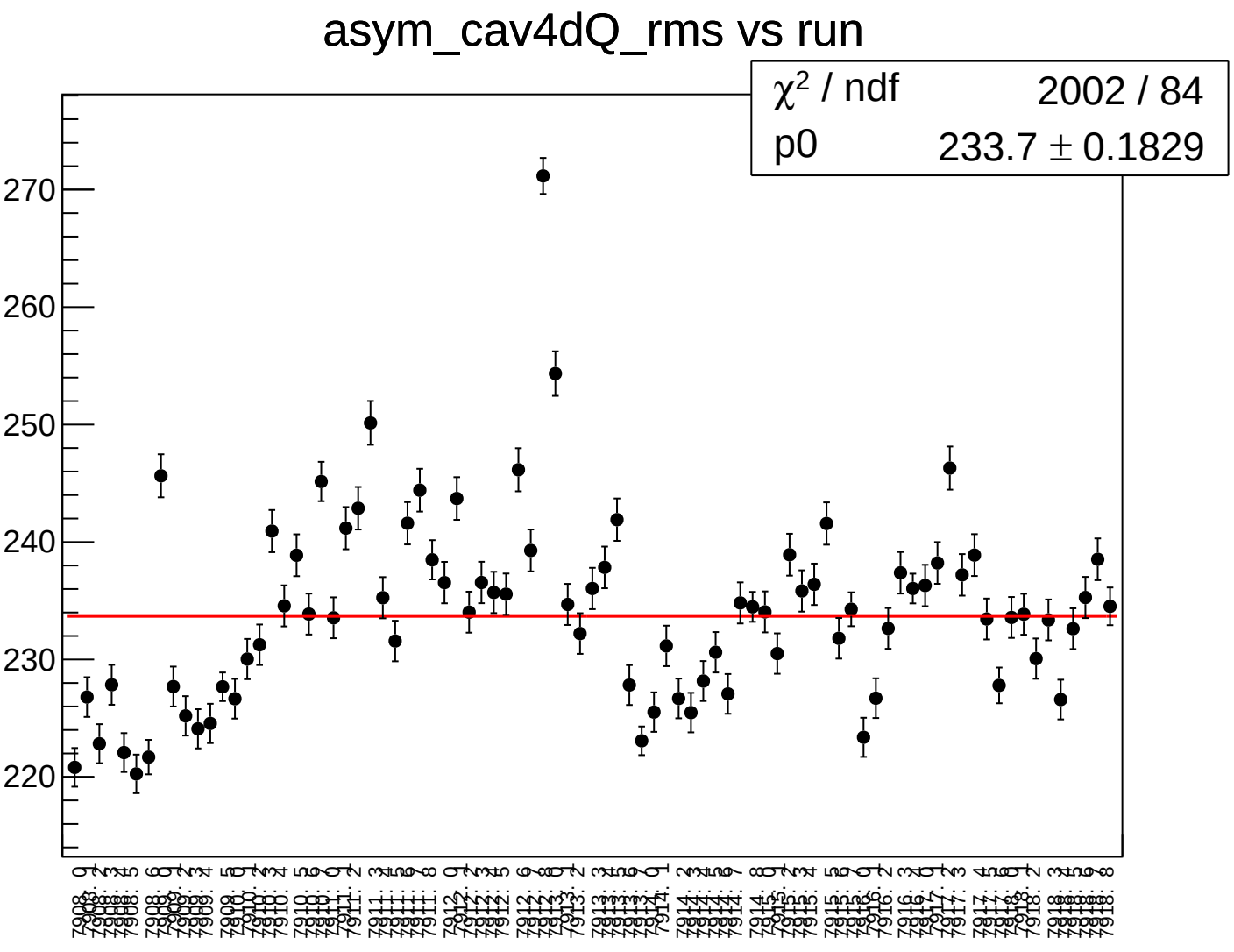

asym_cav4bQ_rms vs run
χ² / ndf 3.929e+04 / 84
p0 1042 ± 0.8248
1600
1500
1400
1300
1200
1100
1000
900
800
700

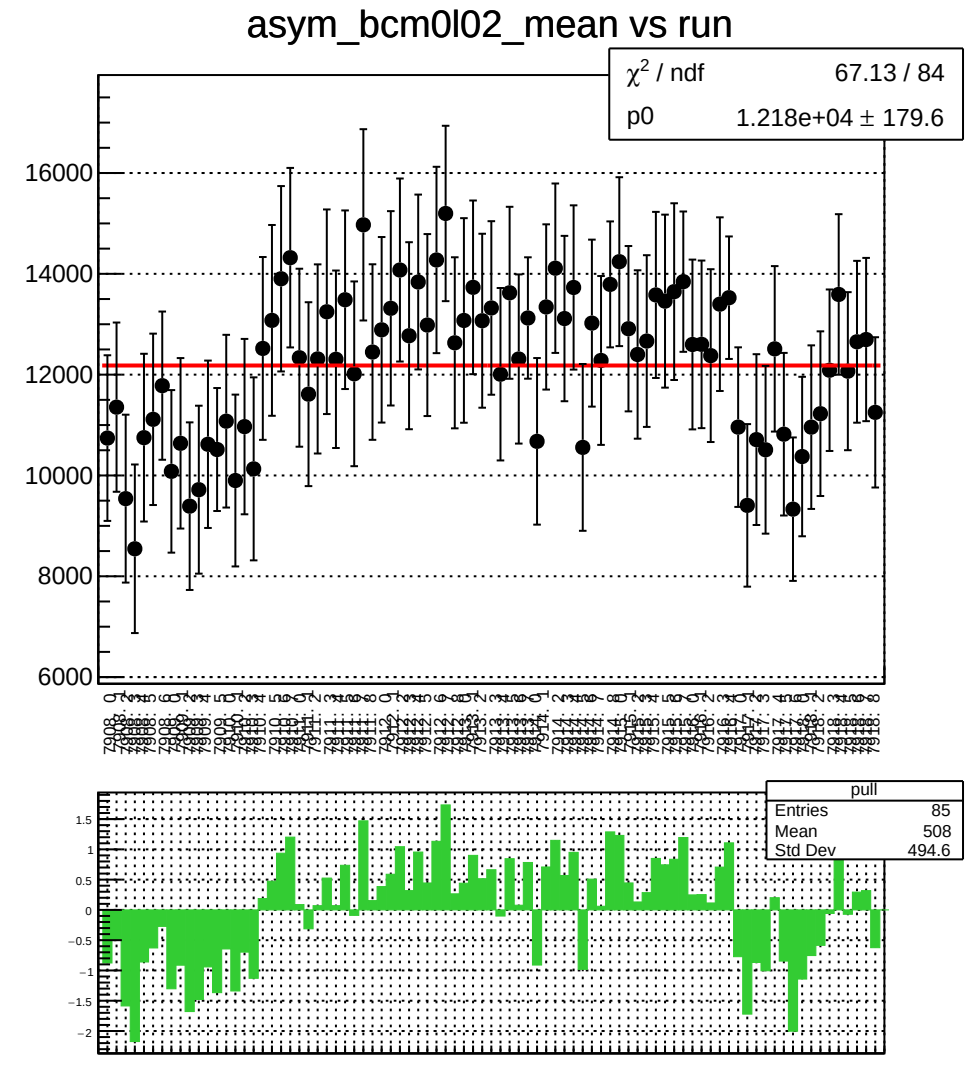

asym_cav4cQ_mean vs run
χ² / ndf 23.48 / 84
p0 −7.988 ± 177.2
pull
Entries 85
Mean −25.03
Std Dev 37.83
pull1D
Entries 85
Mean −0.00793
Std Dev 0.5255

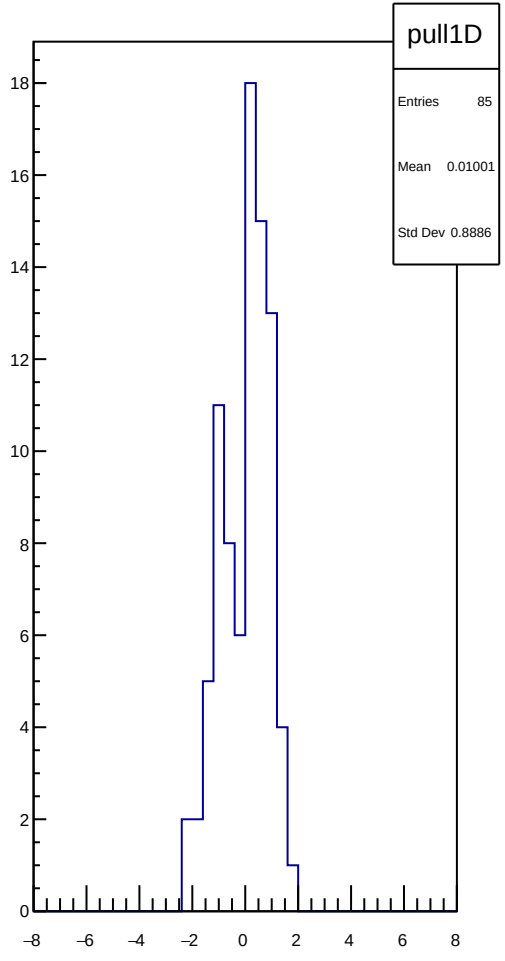

asym_cav4cQ_rms vs run
χ^2 / ndf 5945 / 84
p0 159.9 ± 0.1253
210
200
190
180
170
160
150
140

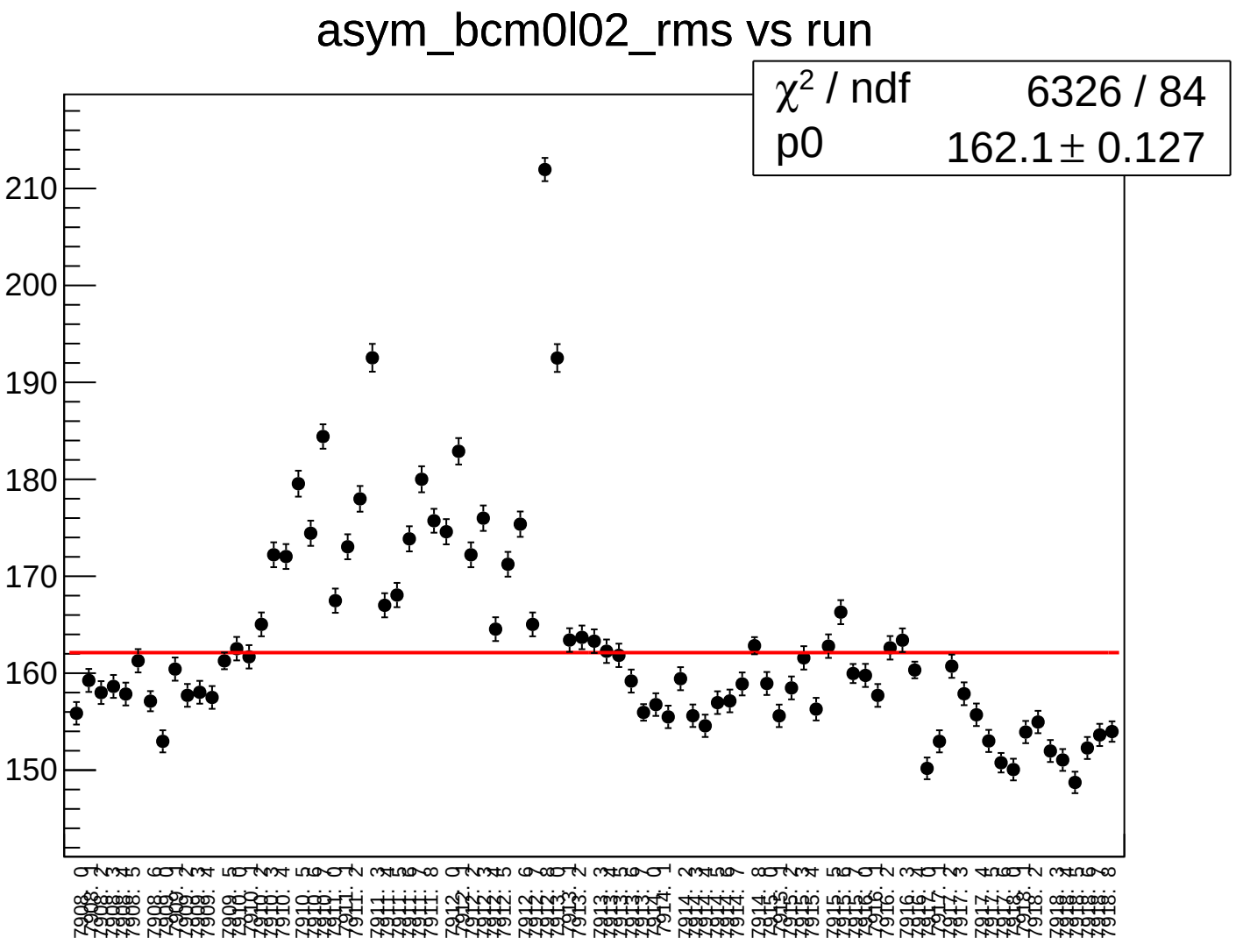

asym_cav4dQ_mean vs run
χ² / ndf 56.86 / 84
p0 491.2 ± 258.6
pull
Entries 85
Mean −239.9
Std Dev 281.4

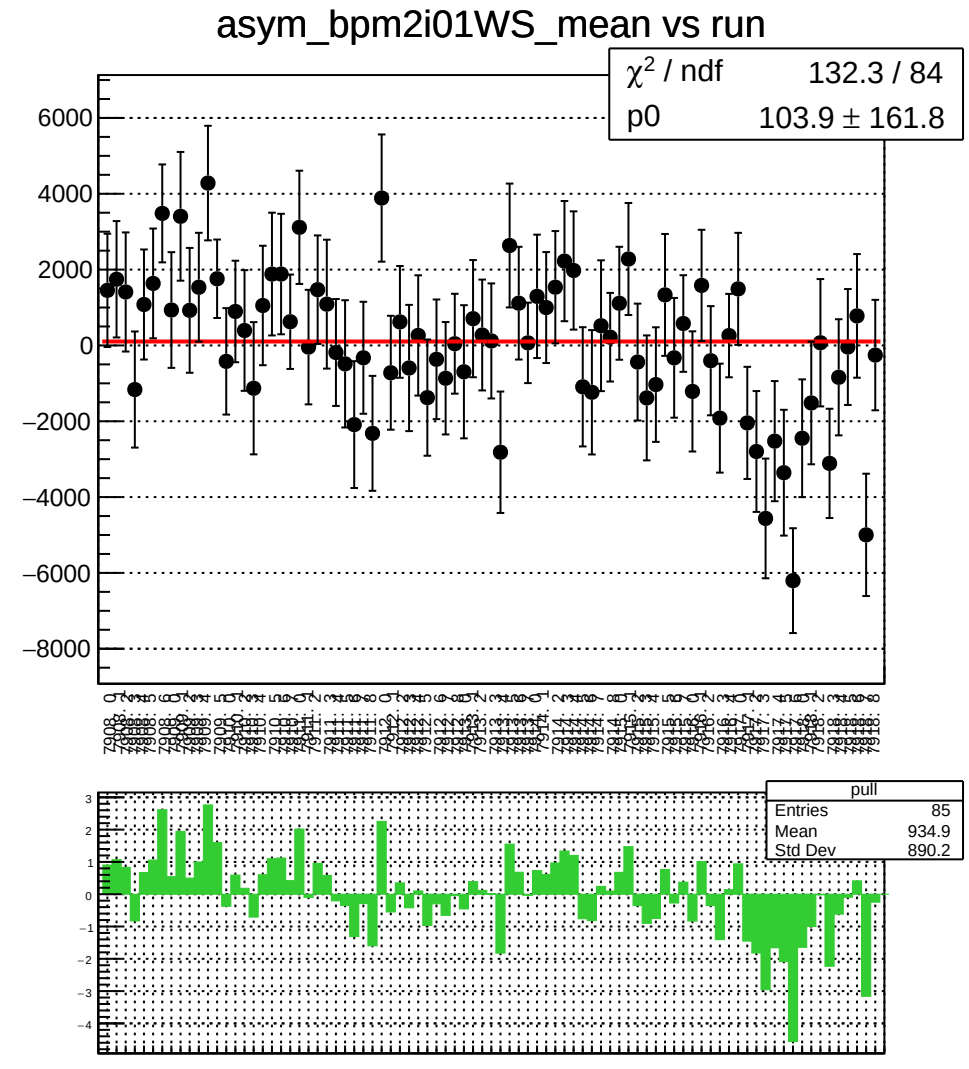

pull1D
Entries 85
Mean −0.007122
Std Dev 0.8179

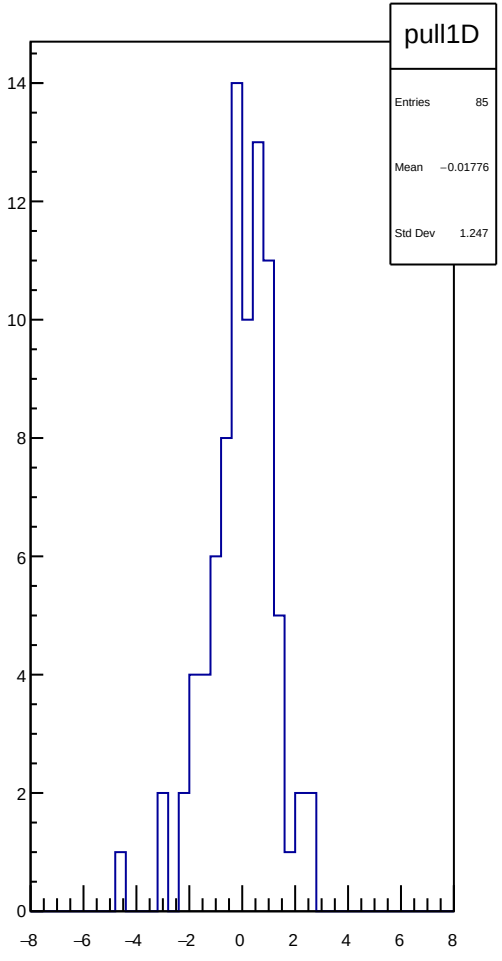

asym_cav4dQ_rms vs run
χ² / ndf 2002 / 84
p0 233.7 ± 0.1829
270
260
250
240
230
220

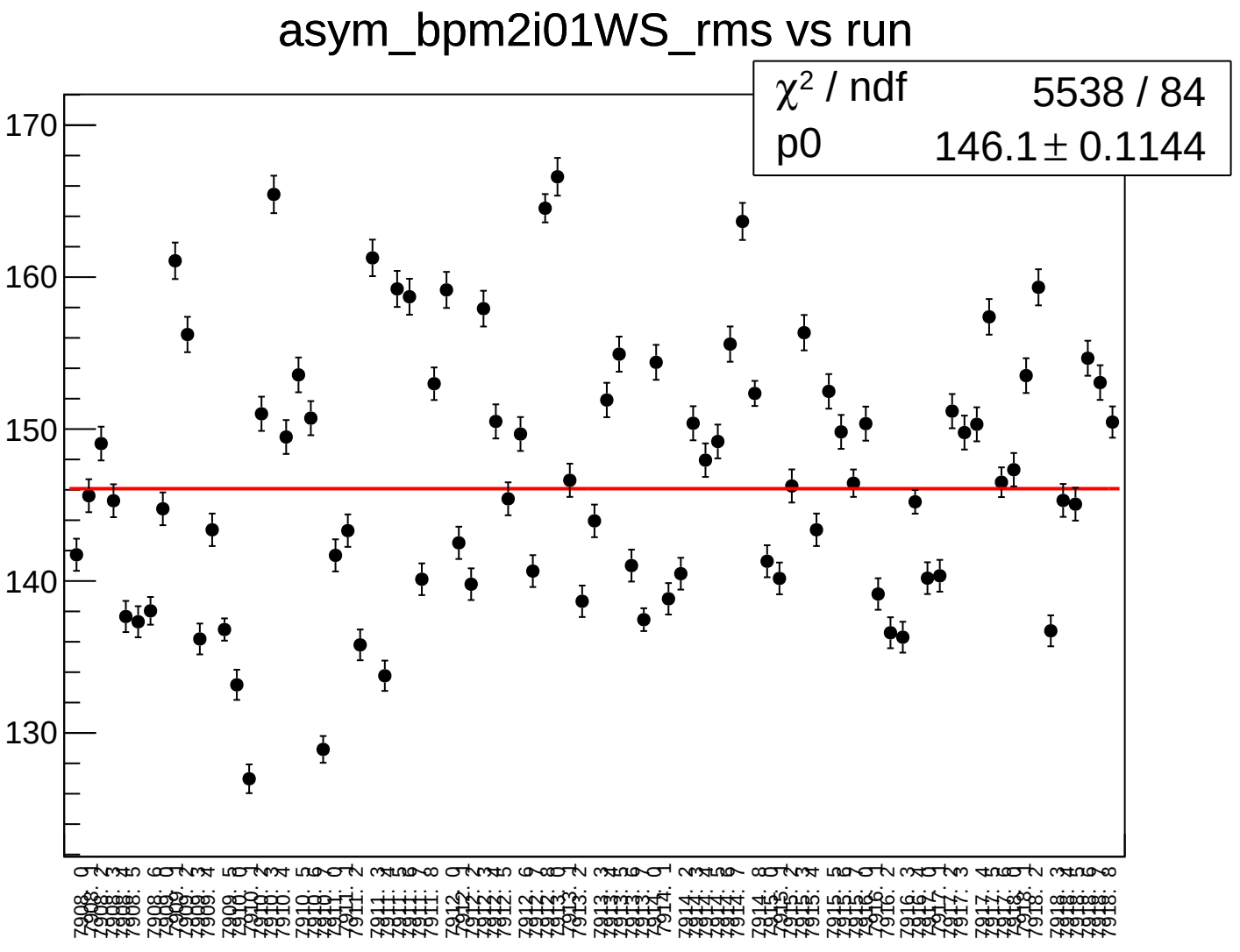

asym_bcm0l02_mean vs run
χ² / ndf 67.13 / 84
p0 1.218e+04 ± 179.6
16000
14000
12000
10000
8000
6000
pull
Entries 85
Mean 508
Std Dev 494.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

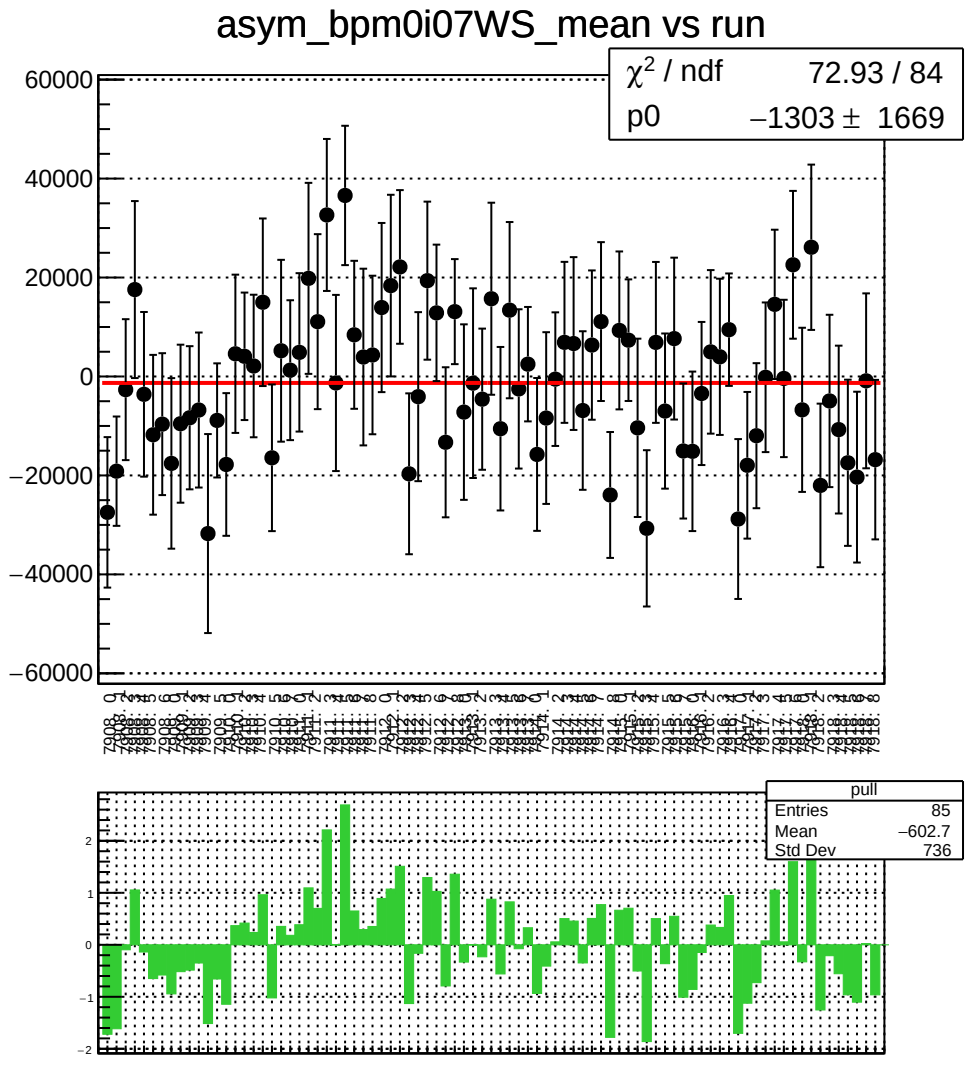

pull1D
Entries 85
Mean 0.01001
Std Dev 0.8886
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

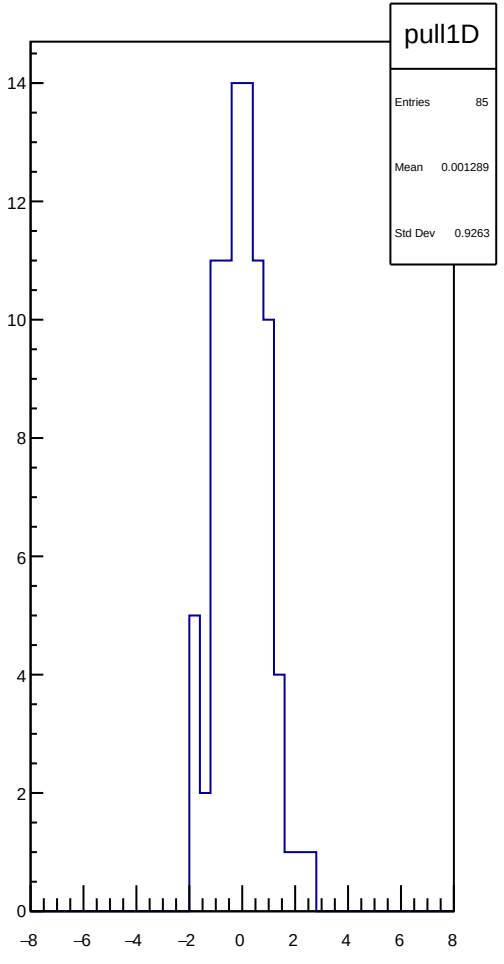

asym_bcm0l02_rms vs run
χ² / ndf 6326 / 84
p0 162.1 ± 0.127
210
200
190
180
170
160
150

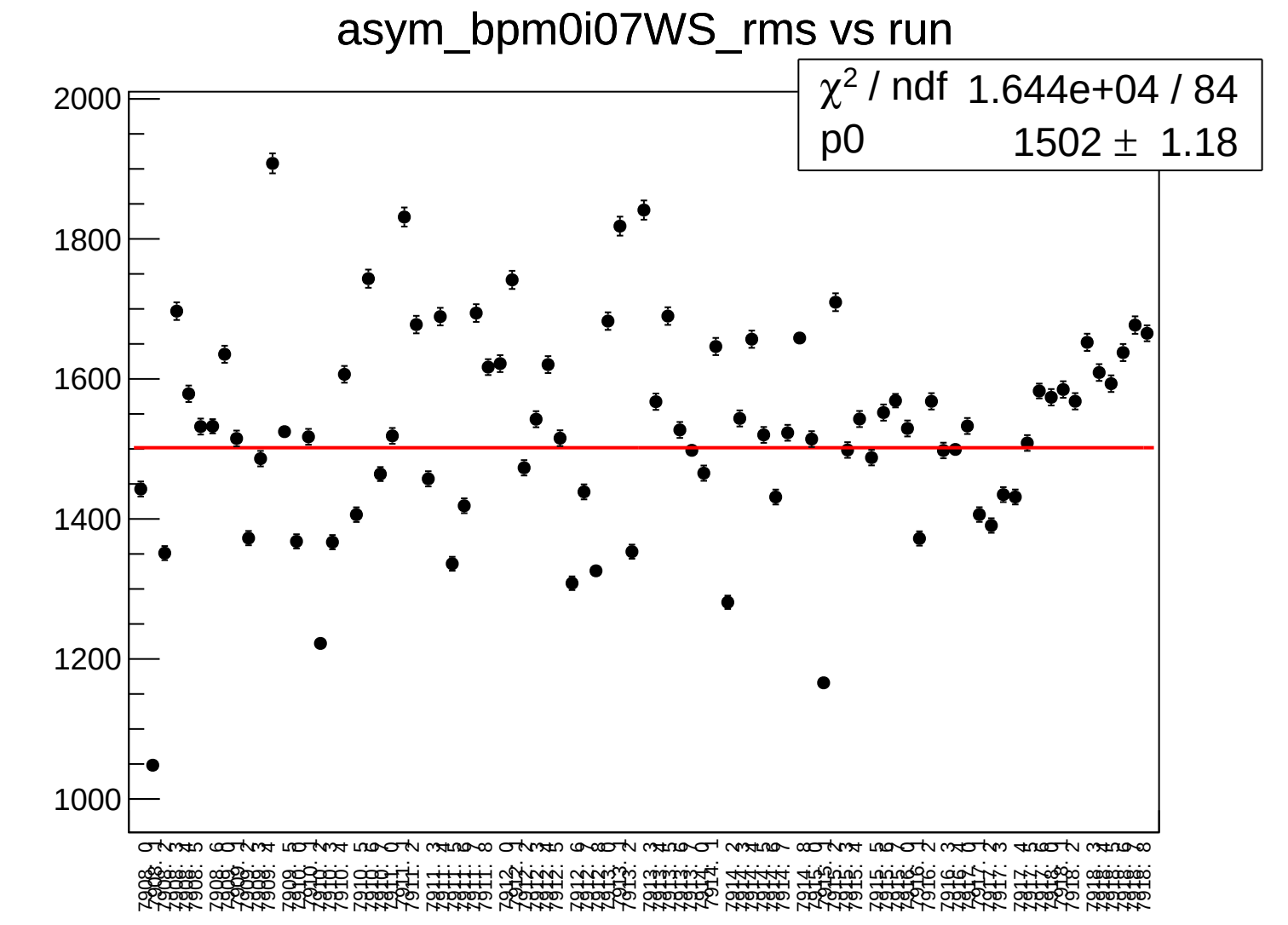

asym_bpm2i01WS_mean vs run
χ² / ndf 132.3 / 84
p0 103.9 ± 161.8
pull
Entries 85
Mean 934.9
Std Dev 890.2

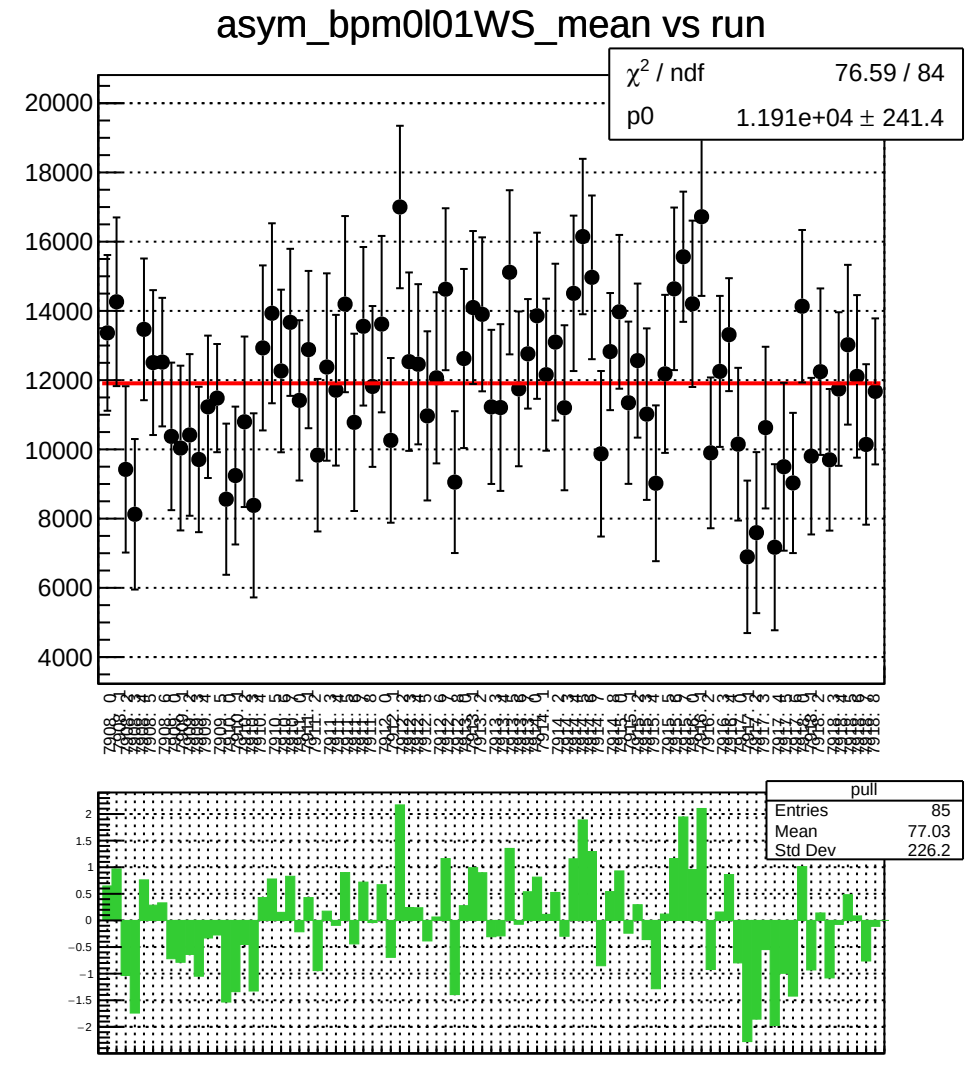

pull1D
Entries 85
Mean −0.01776
Std Dev 1.247

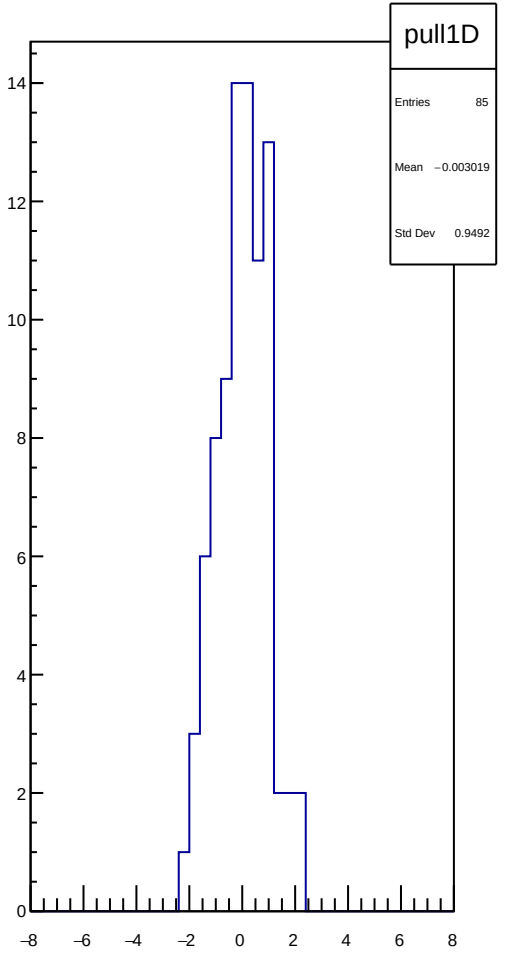

asym_bpm2i01WS_rms vs run
χ² / ndf 5538 / 84
p0 146.1 ± 0.1144
170
160
150
140
130

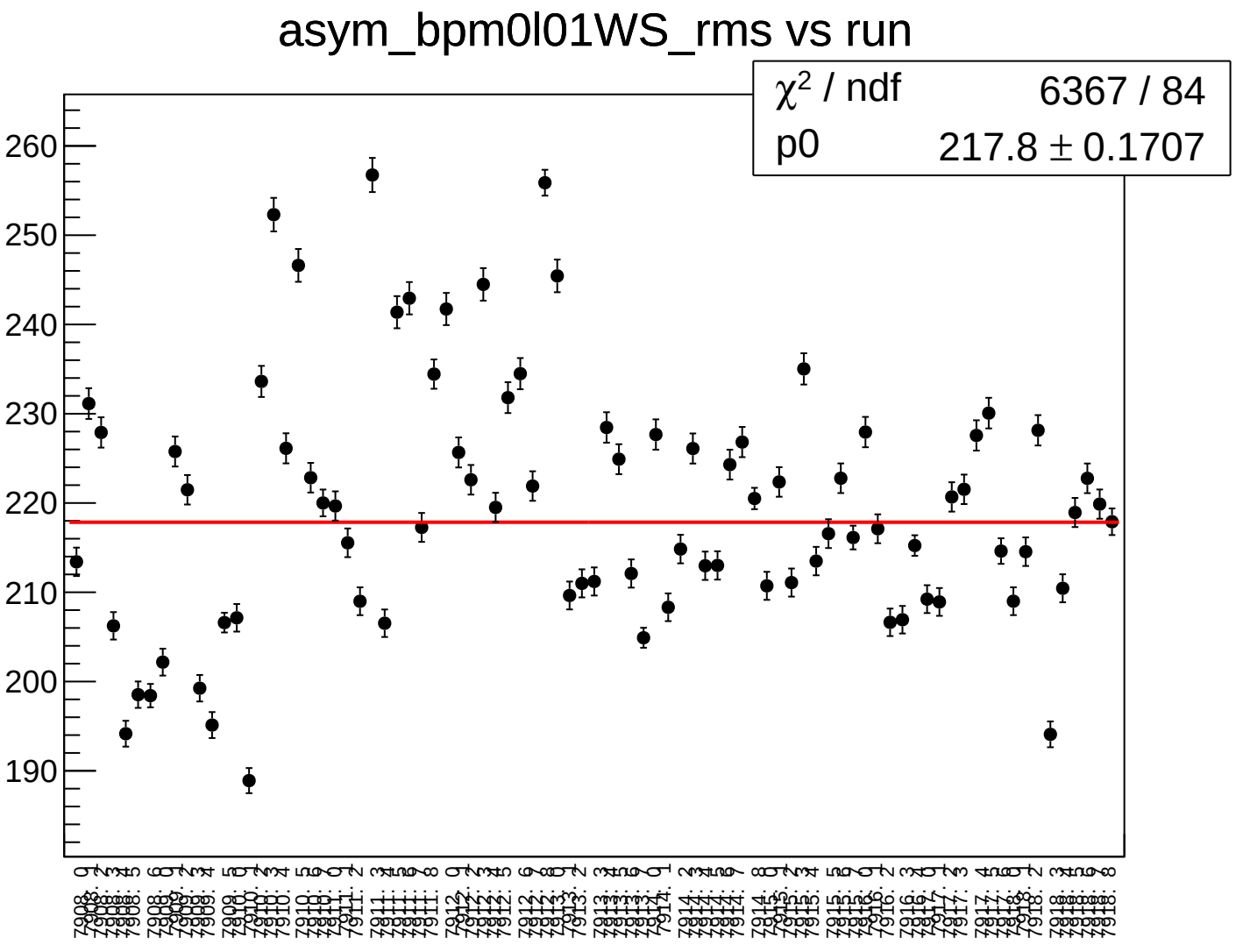

asym_bpm0i07WS_mean vs run
χ² / ndf 72.93 / 84
p0 −1303 ± 1669
pull
Entries 85
Mean −602.7
Std Dev 736

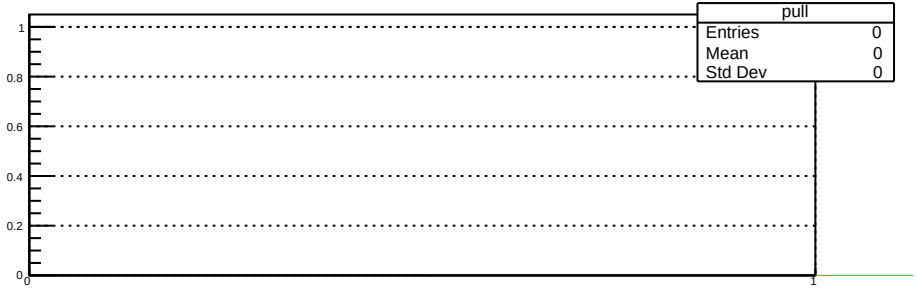

pull1D
Entries 85
Mean 0.001289
Std Dev 0.9263

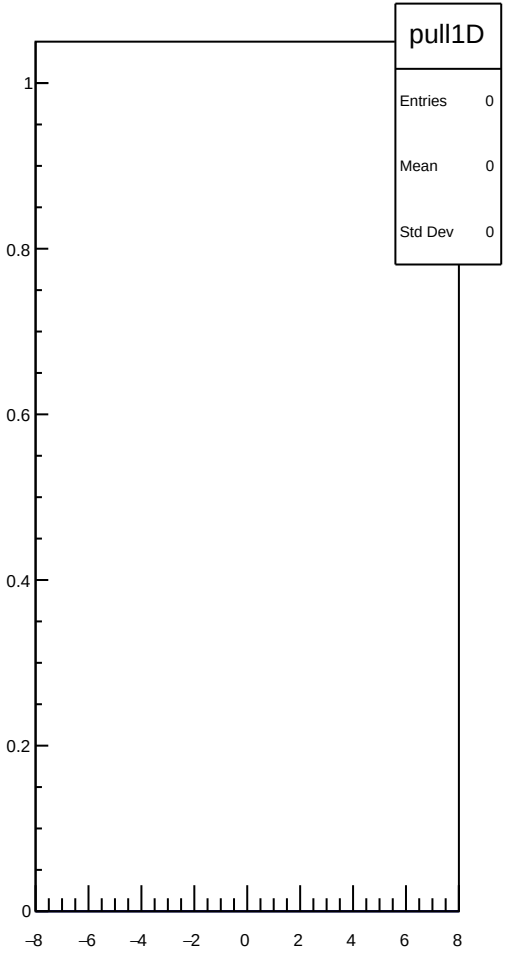

asym_bpm0i07WS_rms vs run
χ² / ndf 1.644e+04 / 84
p0 1502 ± 1.18
2000
1800
1600
1400
1200
1000

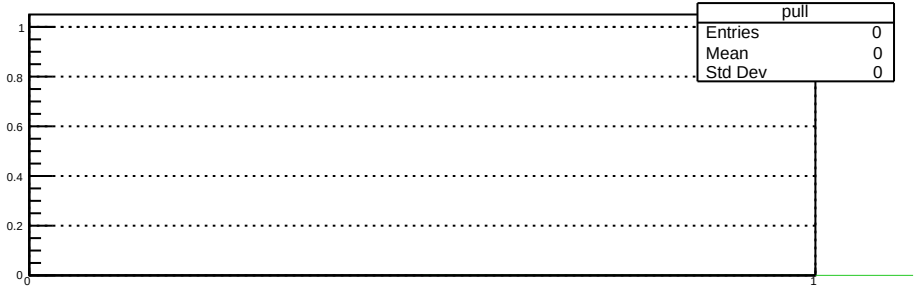

asym_bpm0l01WS_mean vs run
χ² / ndf 76.59 / 84
p0 1.191e+04 ± 241.4
pull
Entries 85
Mean 77.03
Std Dev 226.2

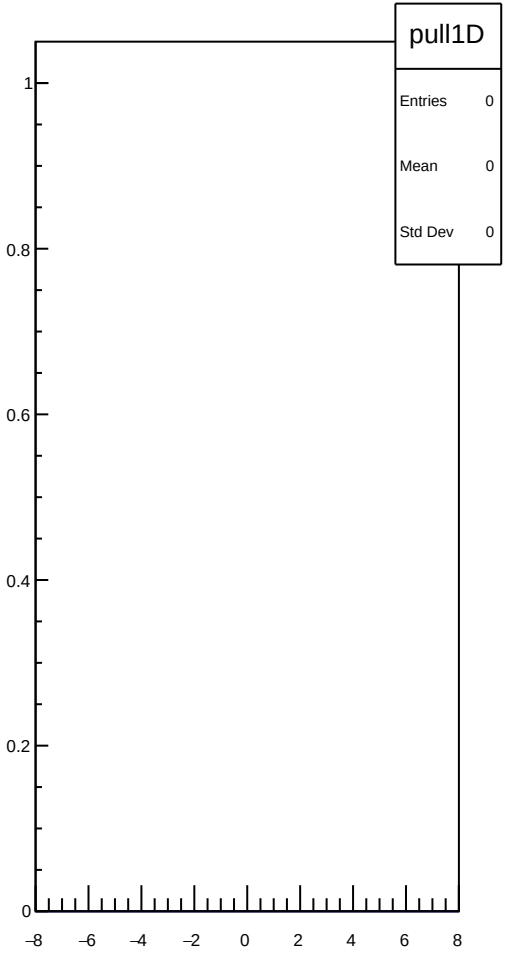

pull1D
Entries 85
Mean −0.003019
Std Dev 0.9492

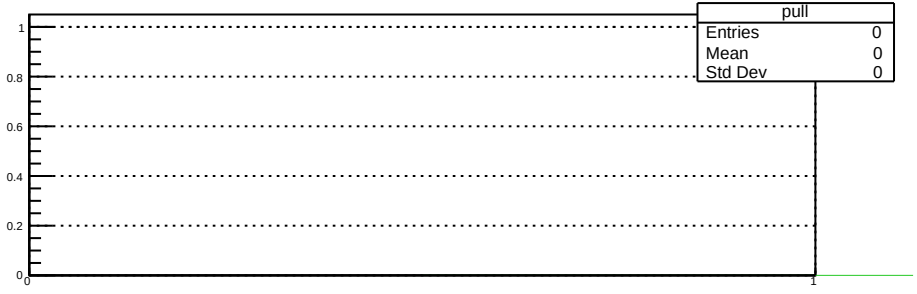

asym_bpm0l01WS_rms vs run
χ² / ndf 6367 / 84
p0 217.8 ± 0.1707
260
250
240
230
220
210
200
190

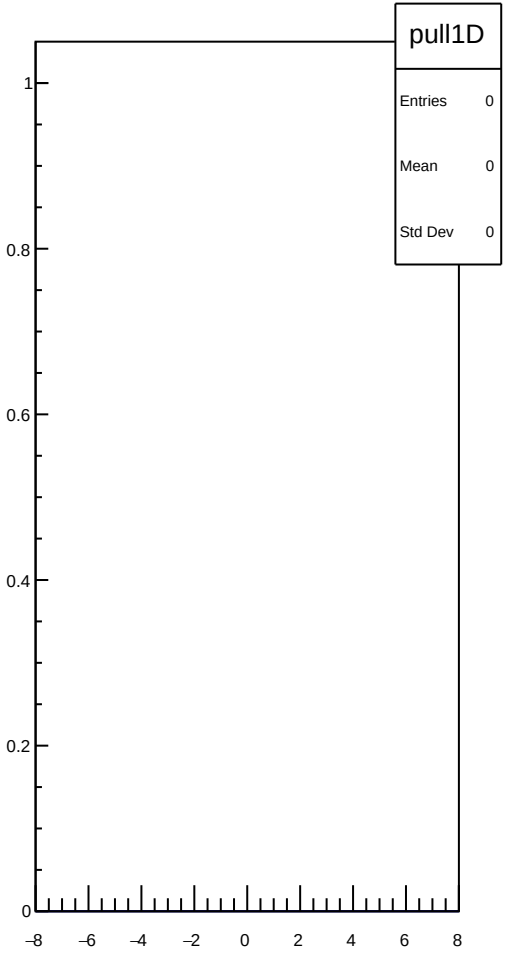

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

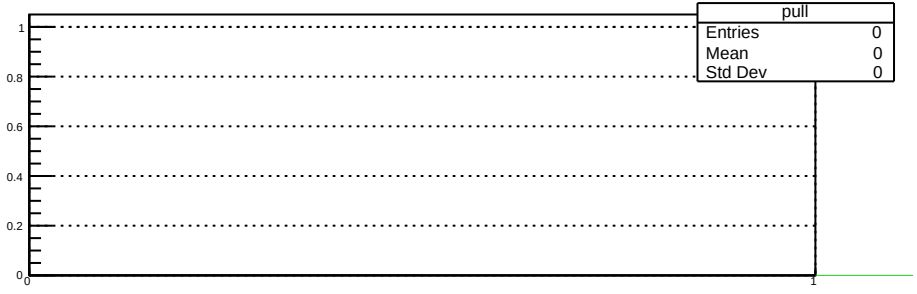

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

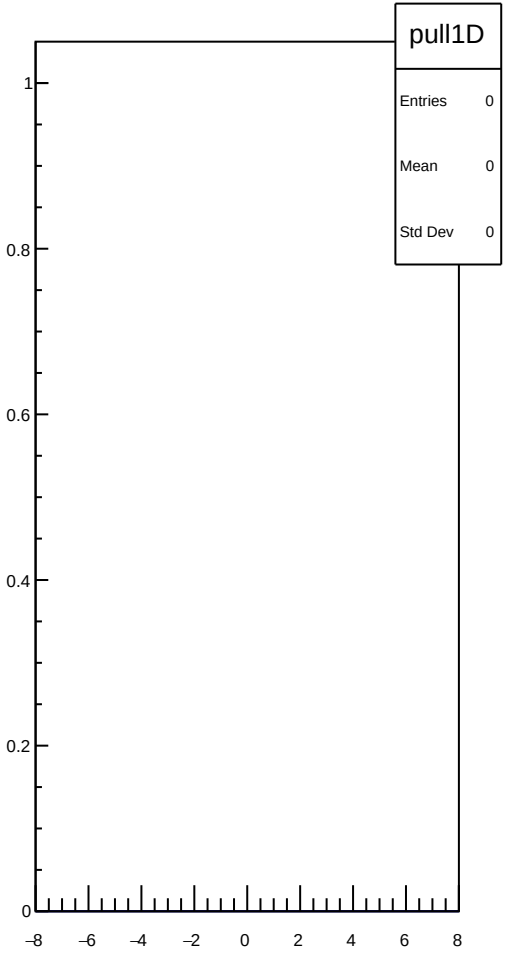

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

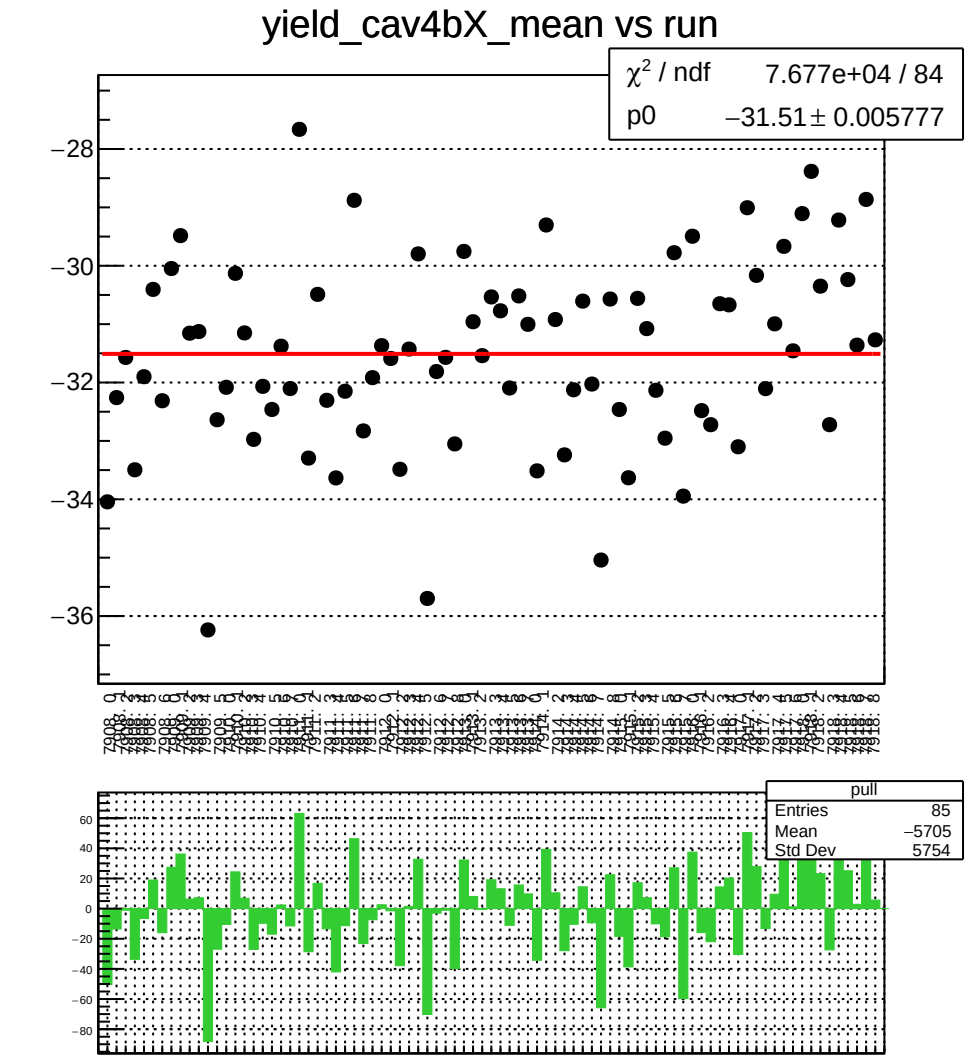

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

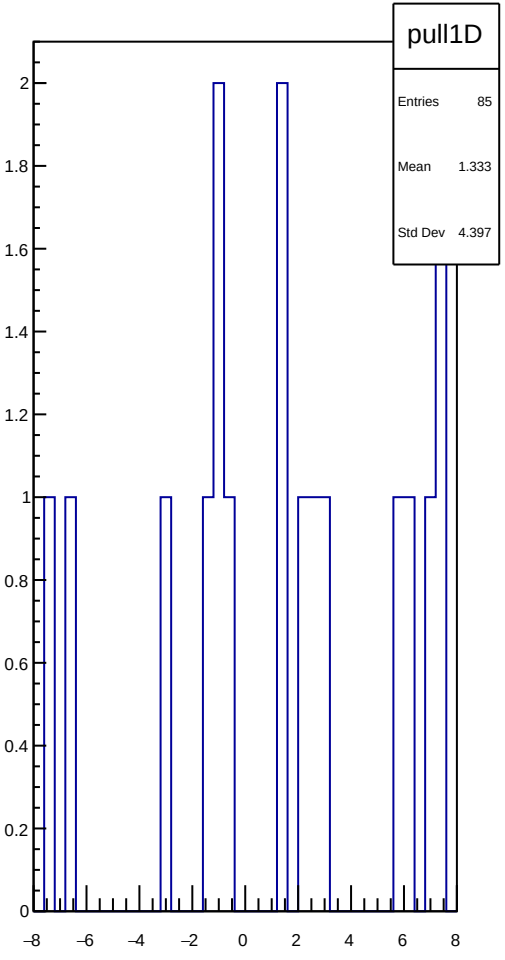

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

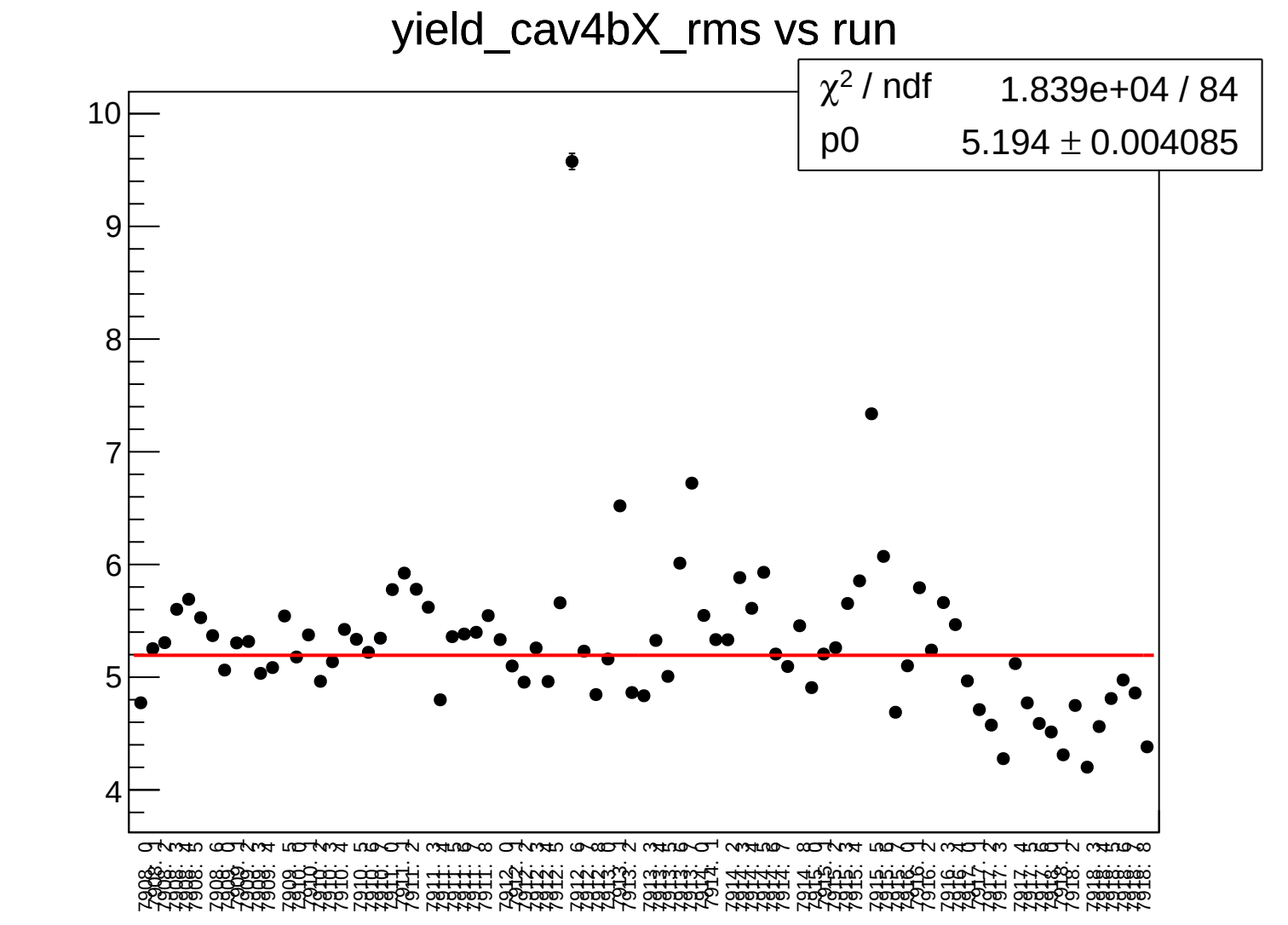

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

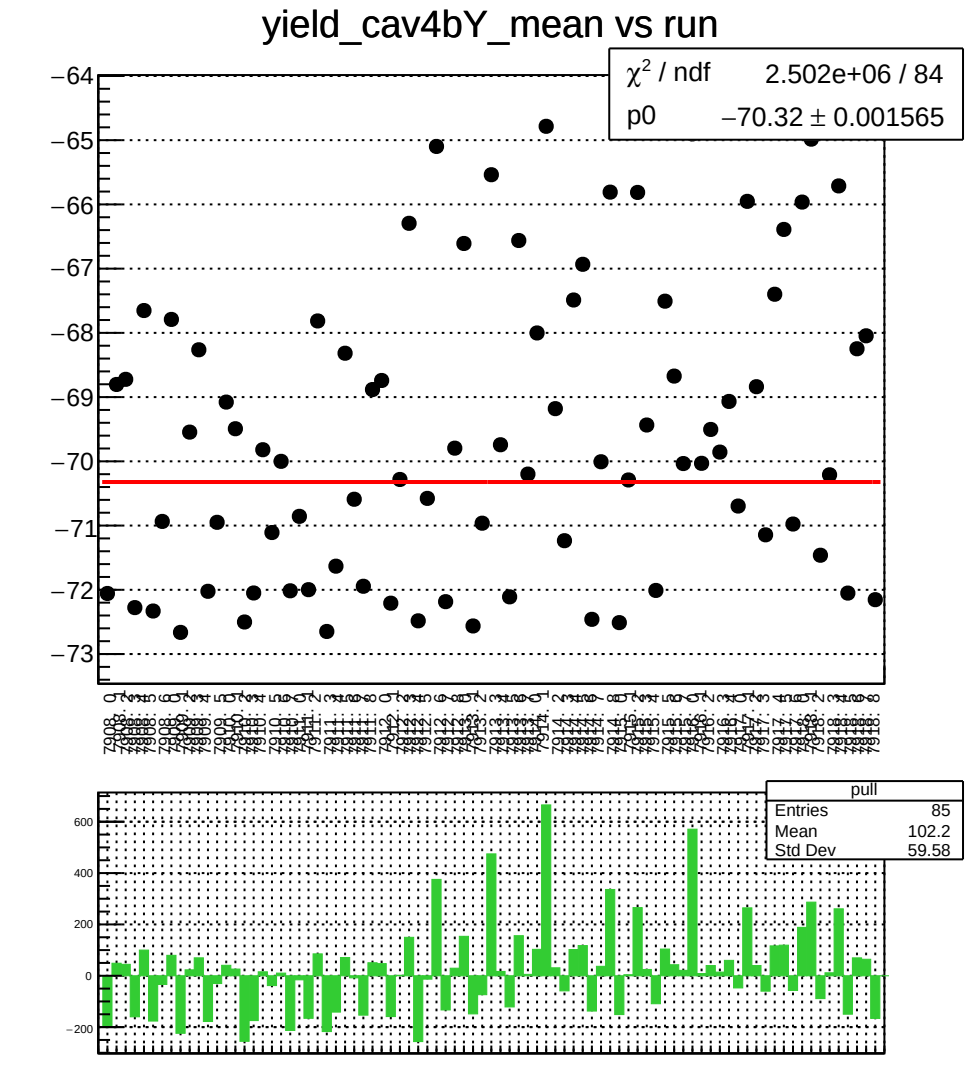

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

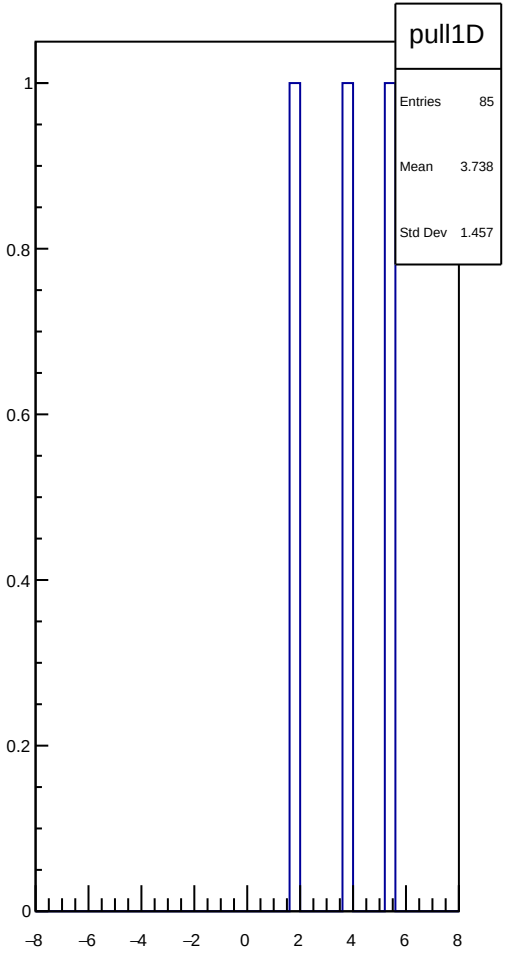

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

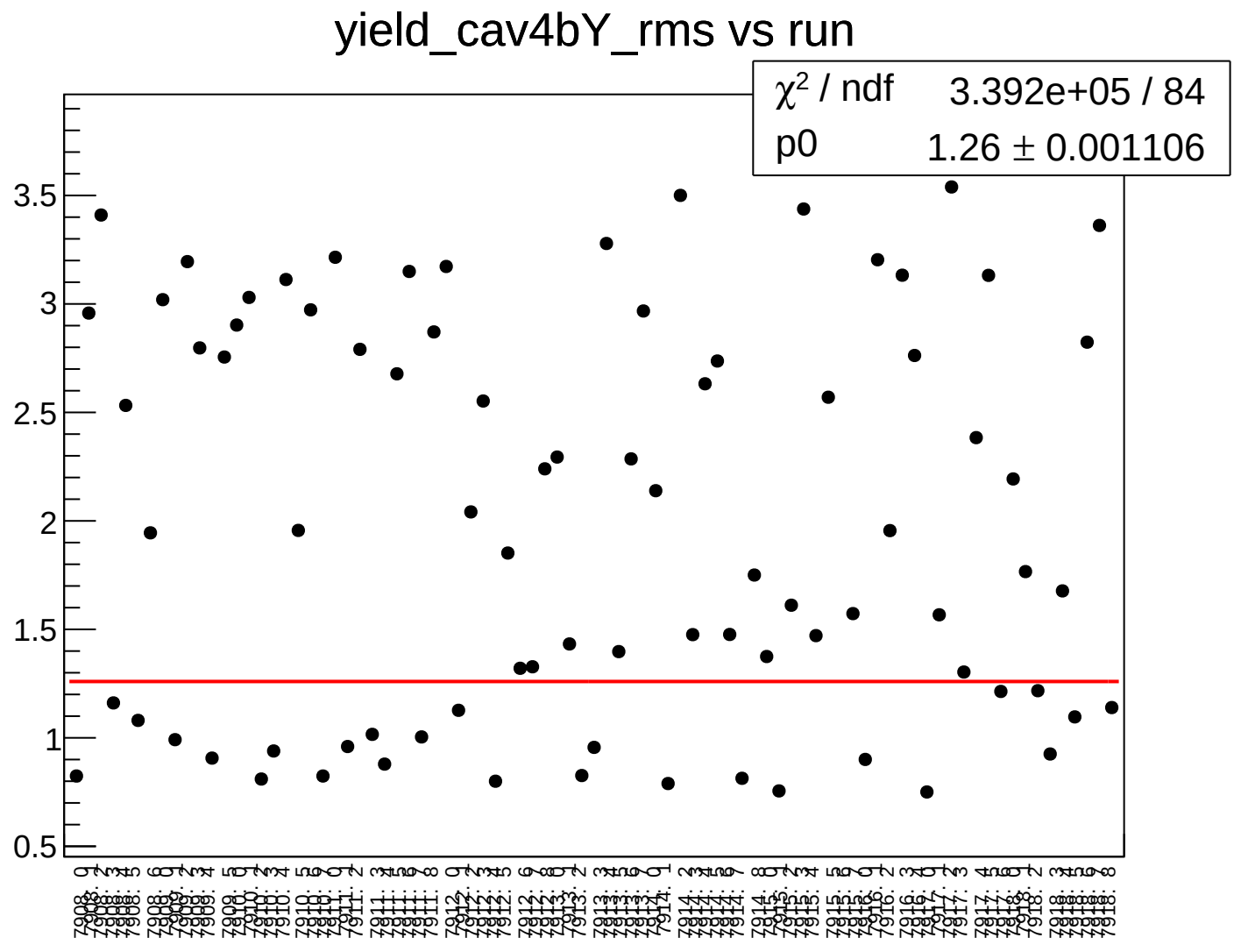

yield_cav4bX_mean vs run
χ² / ndf 7.677e+04 / 84
p0 −31.51 ± 0.005777
−28
−30
−32
−34
−36
pull
Entries 85
Mean −5705
Std Dev 5754
60
40
20
0
−20
−40
−60
−80

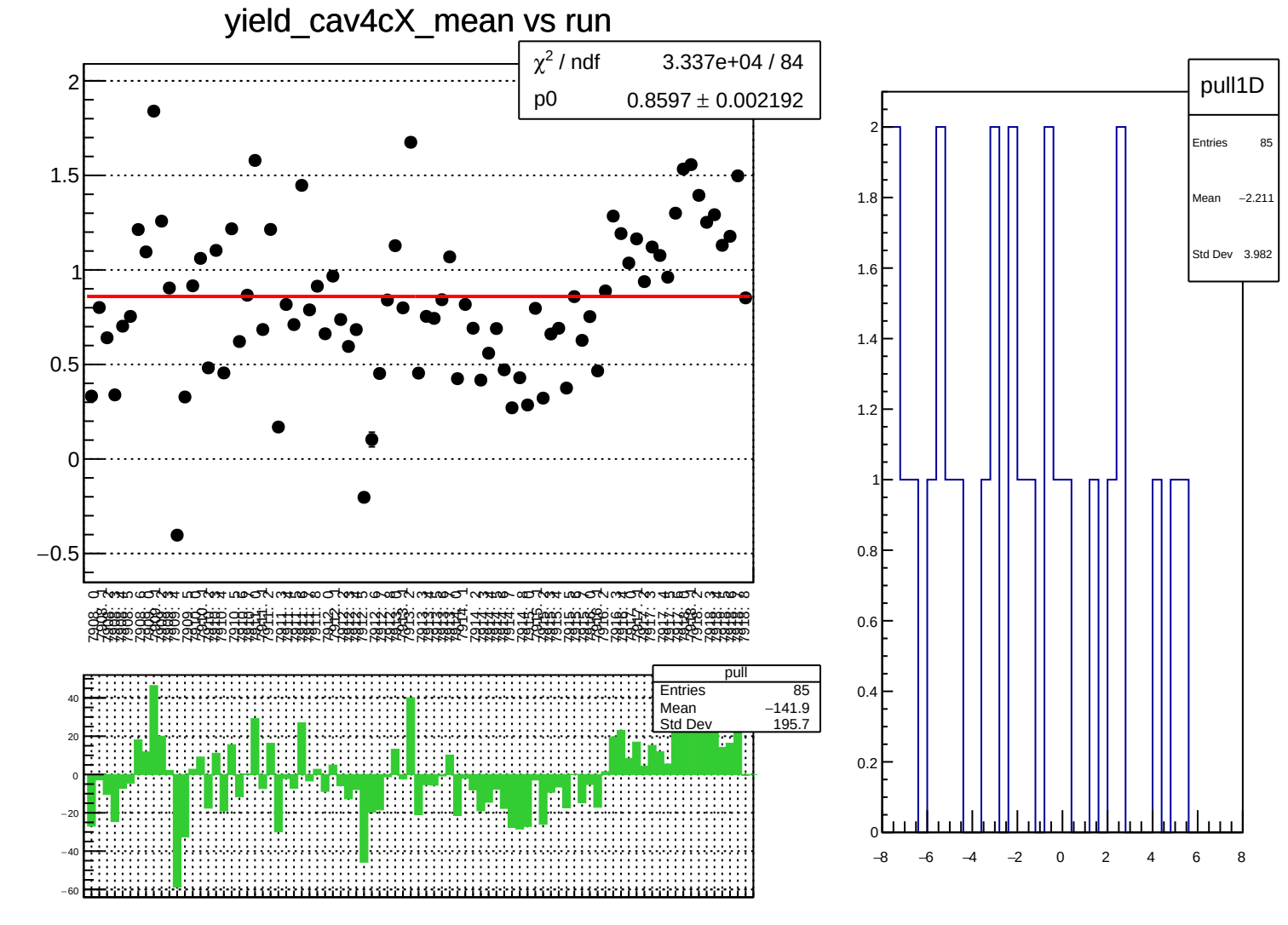

pull1D
Entries 85
Mean 1.333
Std Dev 4.397
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

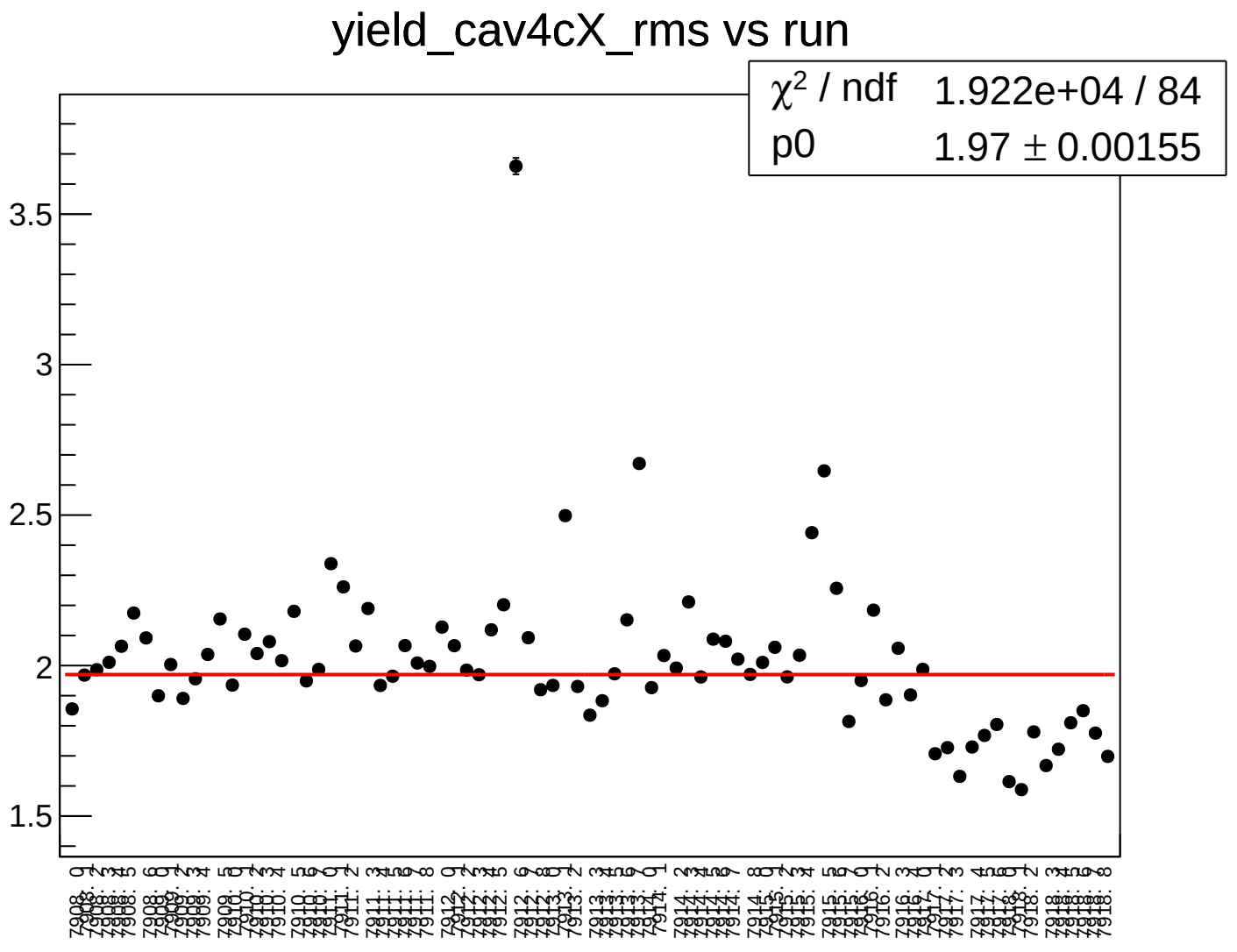

yield_cav4bX_rms vs run
χ² / ndf 1.839e+04 / 84
p0 5.194 ± 0.004085
10
9
8
7
6
5
4

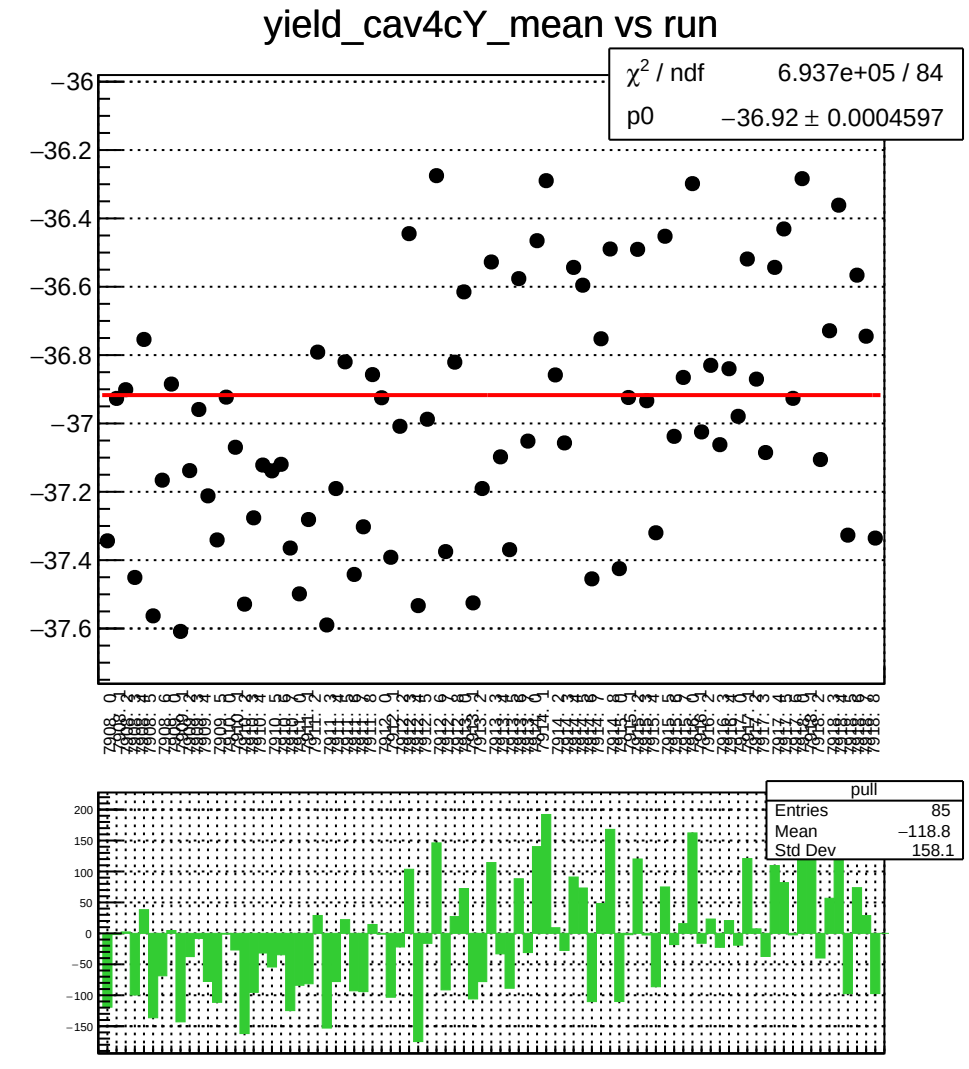

yield_cav4bY_mean vs run
χ² / ndf 2.502e+06 / 84
p0 −70.32 ± 0.001565
pull
Entries 85
Mean 102.2
Std Dev 59.58

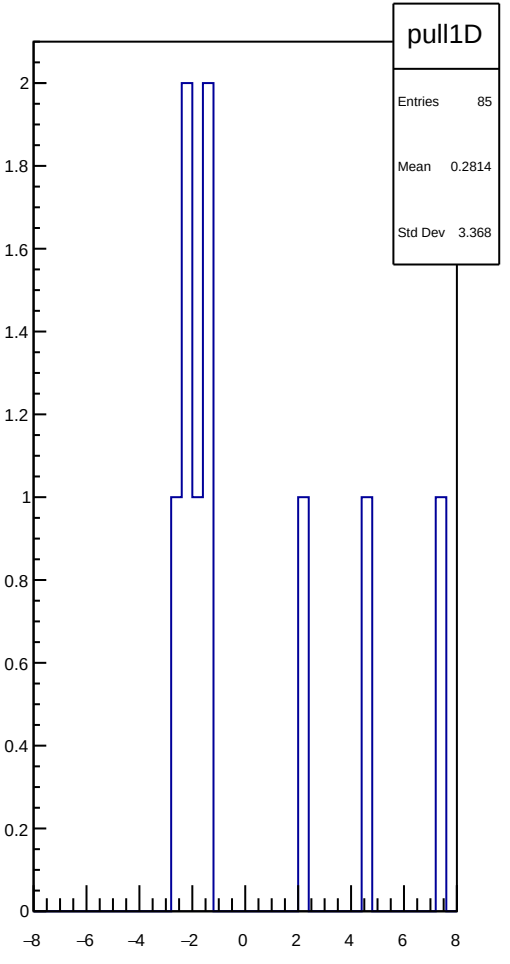

pull1D
Entries 85
Mean 3.738
Std Dev 1.457

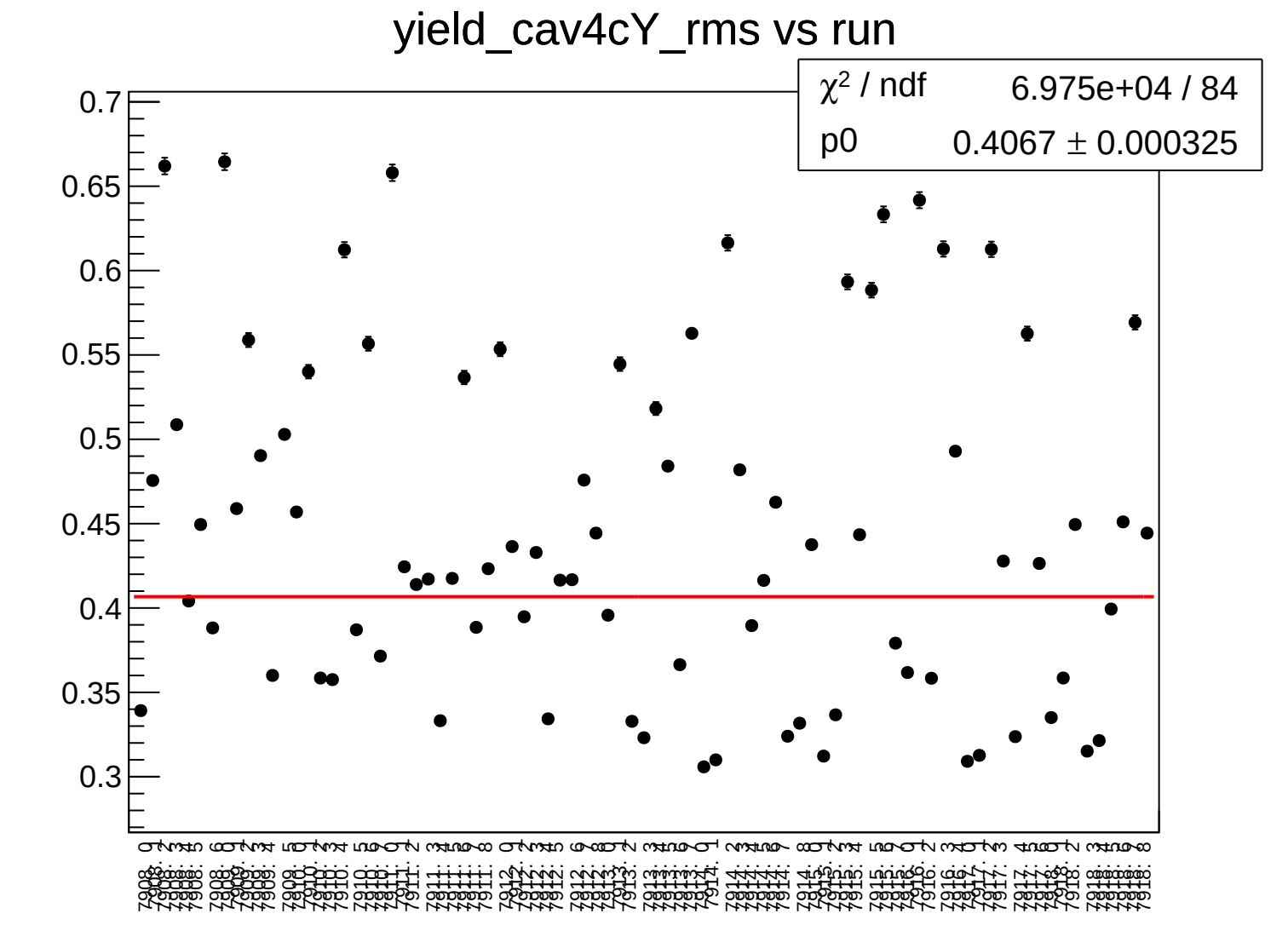

yield_cav4bY_rms vs run
χ² / ndf 3.392e+05 / 84
p0 1.26 ± 0.001106
3.5
3
2.5
2
1.5
1
0.5

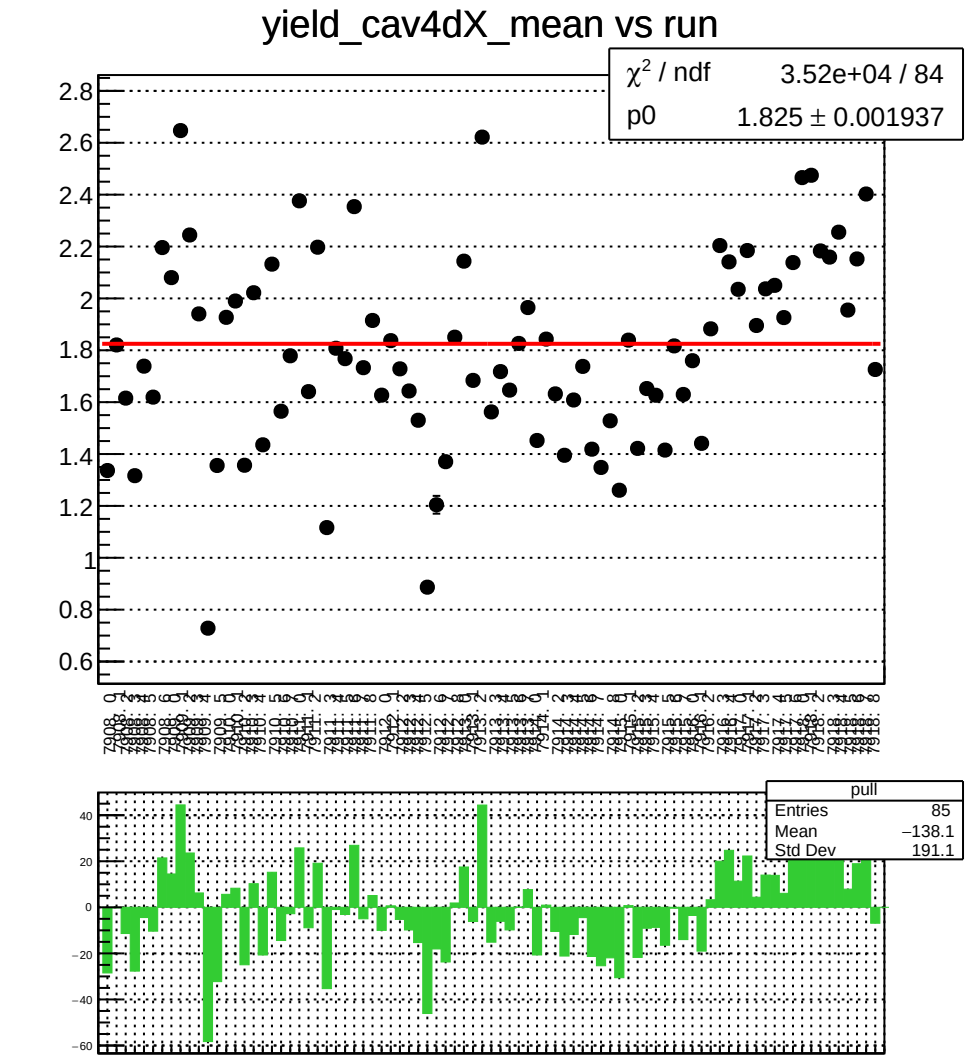

yield_cav4cX_mean vs run
χ² / ndf 3.337e+04 / 84
p0 0.8597 ± 0.002192
pull
Entries 85
Mean −141.9
Std Dev 195.7
pull1D
Entries 85
Mean −2.211
Std Dev 3.982

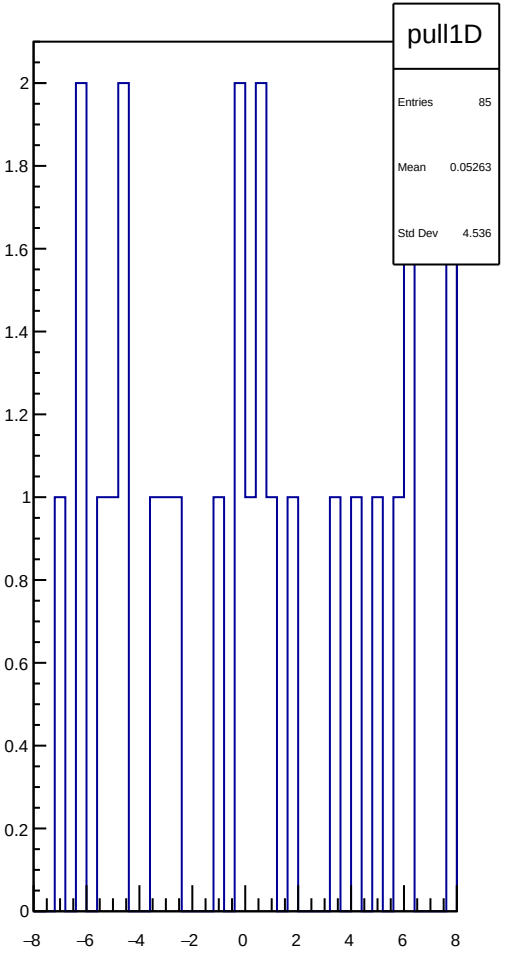

yield_cav4cX_rms vs run
χ² / ndf 1.922e+04 / 84
p0 1.97 ± 0.00155
3.5
3
2.5
2
1.5

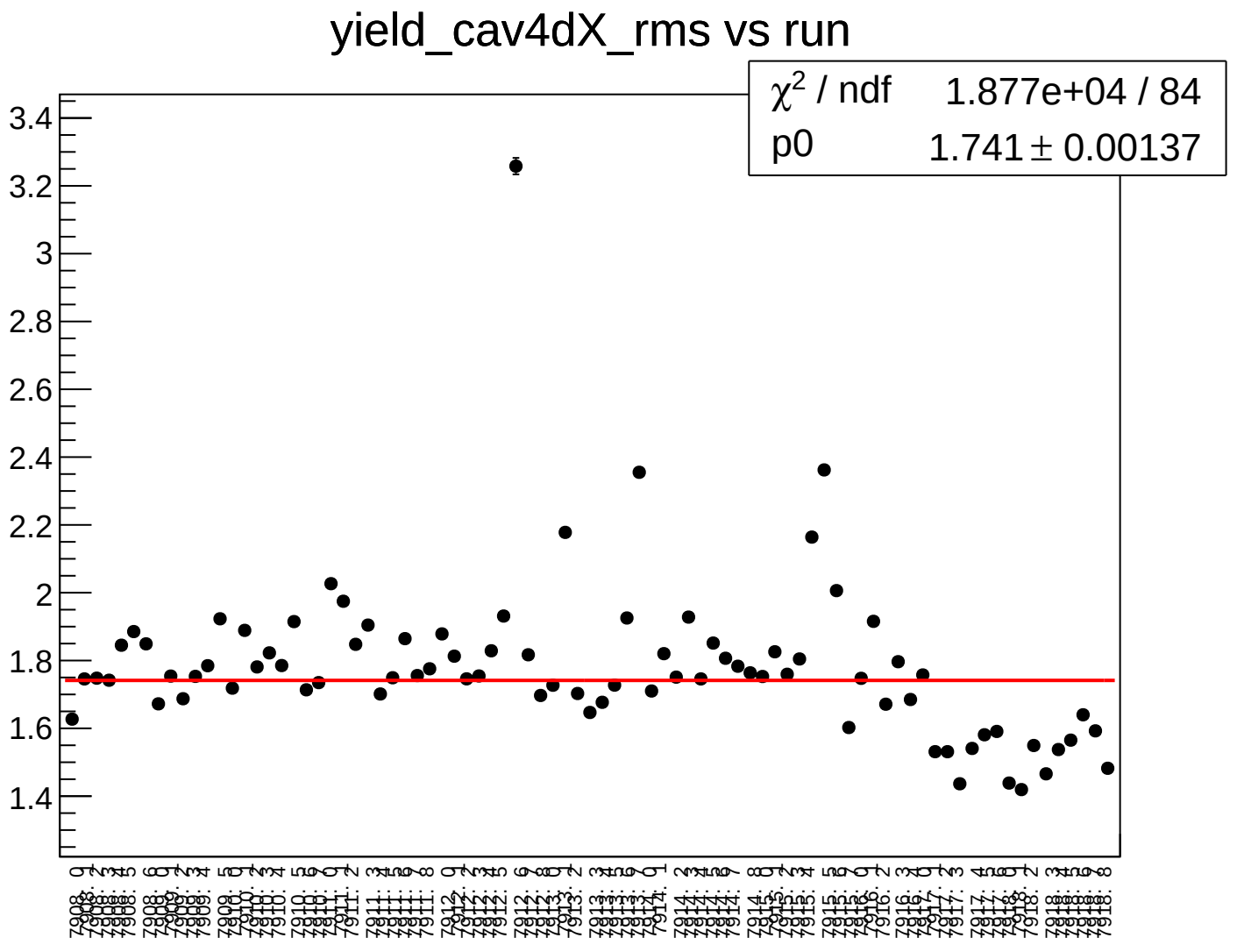

yield_cav4cY_mean vs run
χ² / ndf 6.937e+05 / 84
p0 −36.92 ± 0.0004597
−36
−36.2
−36.4
−36.6
−36.8
−37
−37.2
−37.4
−37.6
pull
Entries 85
Mean −118.8
Std Dev 158.1
200
150
100
50
0
−50
−100
−150

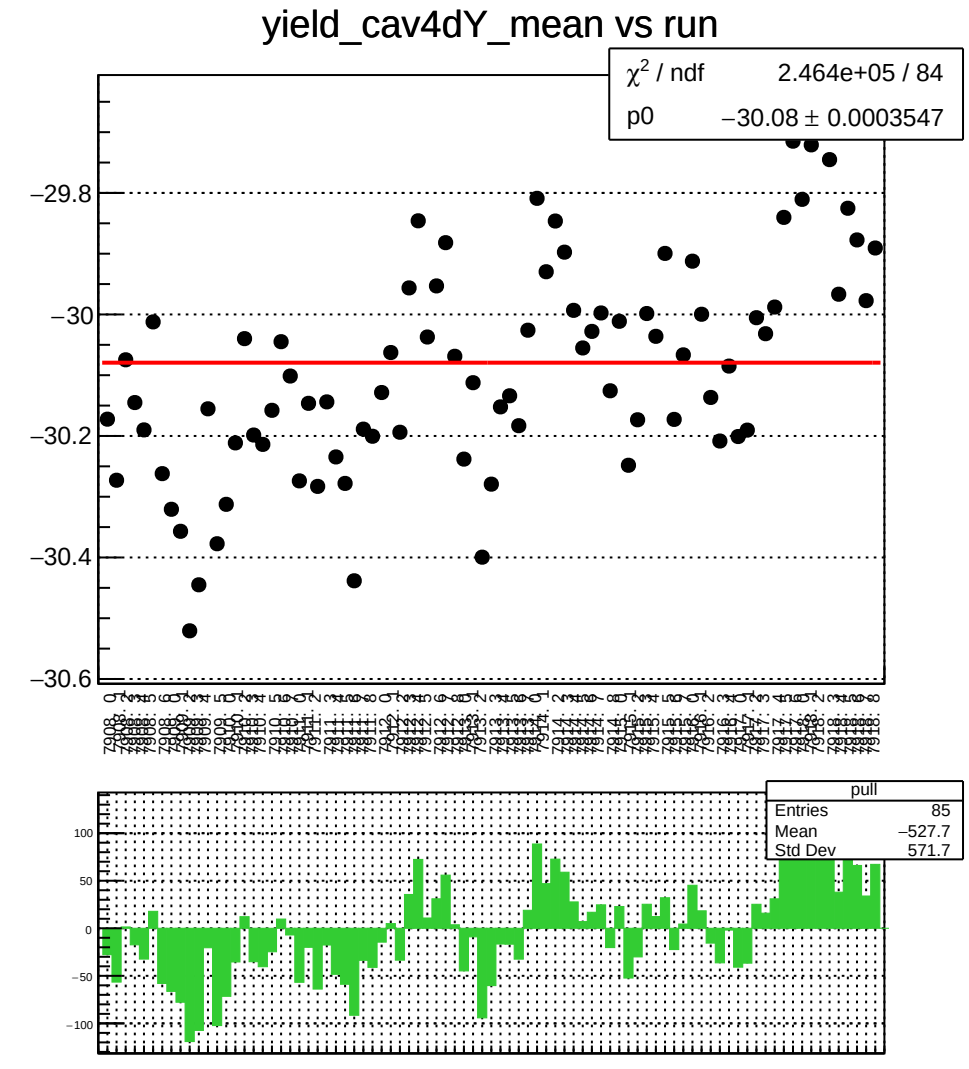

pull1D
Entries 85
Mean 0.2814
Std Dev 3.368
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

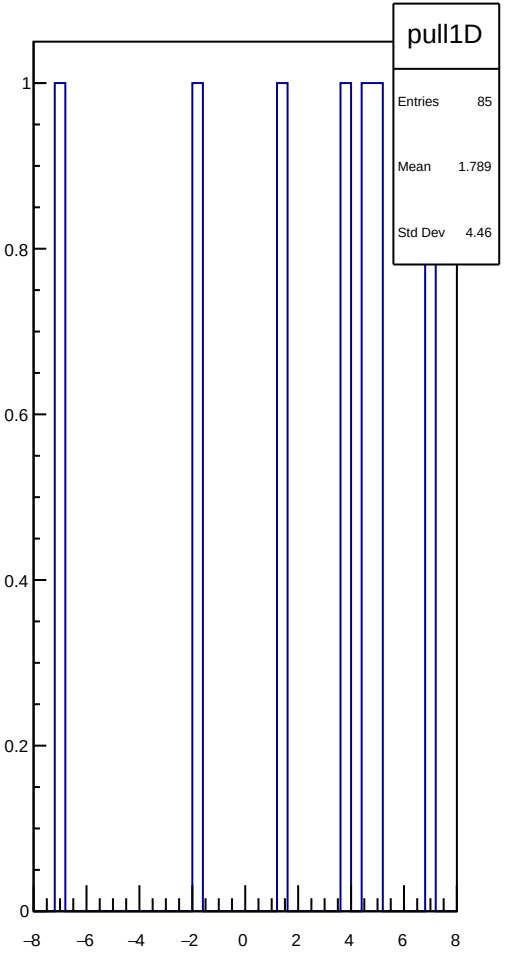

yield_cav4cY_rms vs run
χ² / ndf 6.975e+04 / 84
p0 0.4067 ± 0.000325
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3

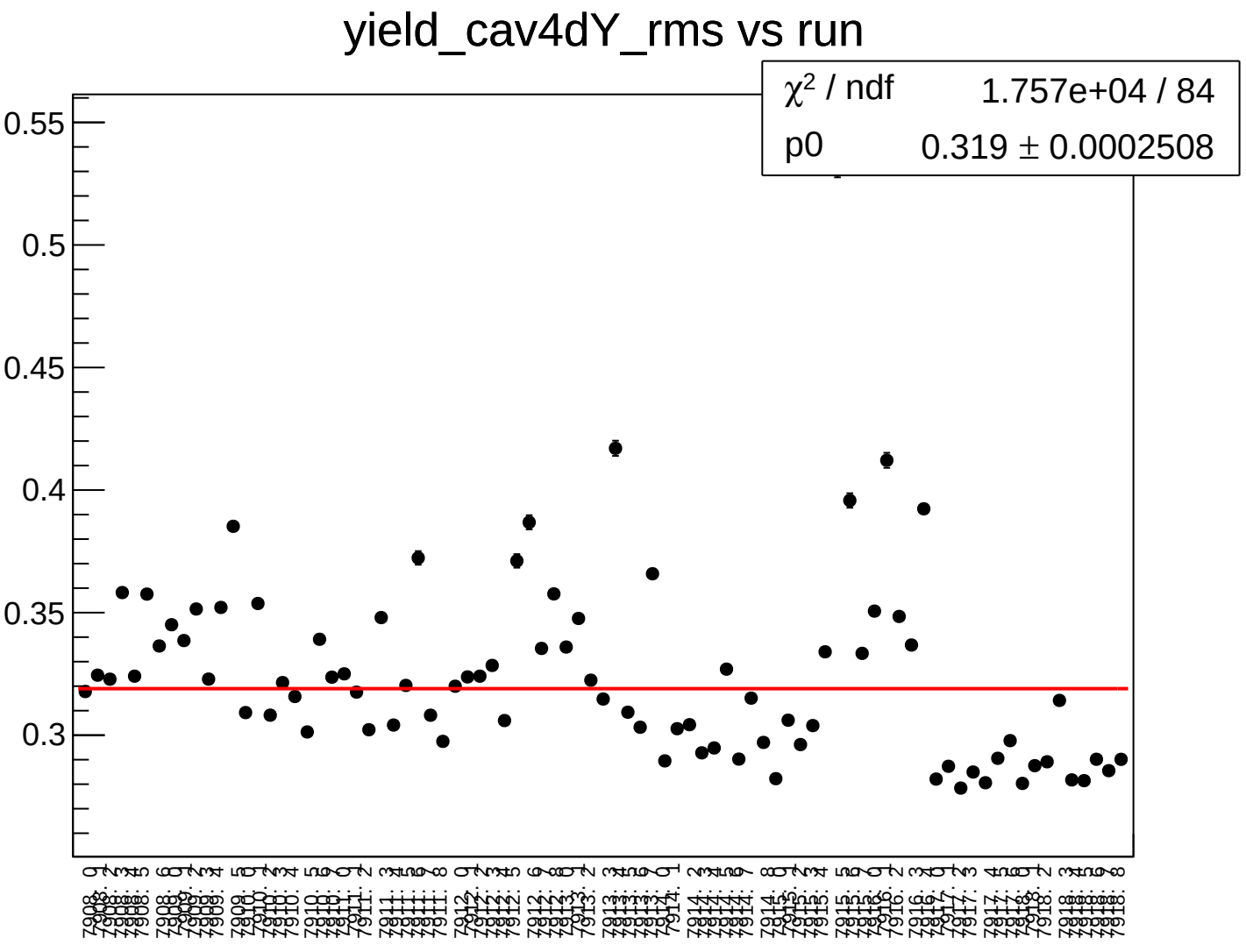

yield_cav4dX_mean vs run
χ² / ndf 3.52e+04 / 84
p0 1.825 ± 0.001937
pull
Entries 85
Mean −138.1
Std Dev 191.1

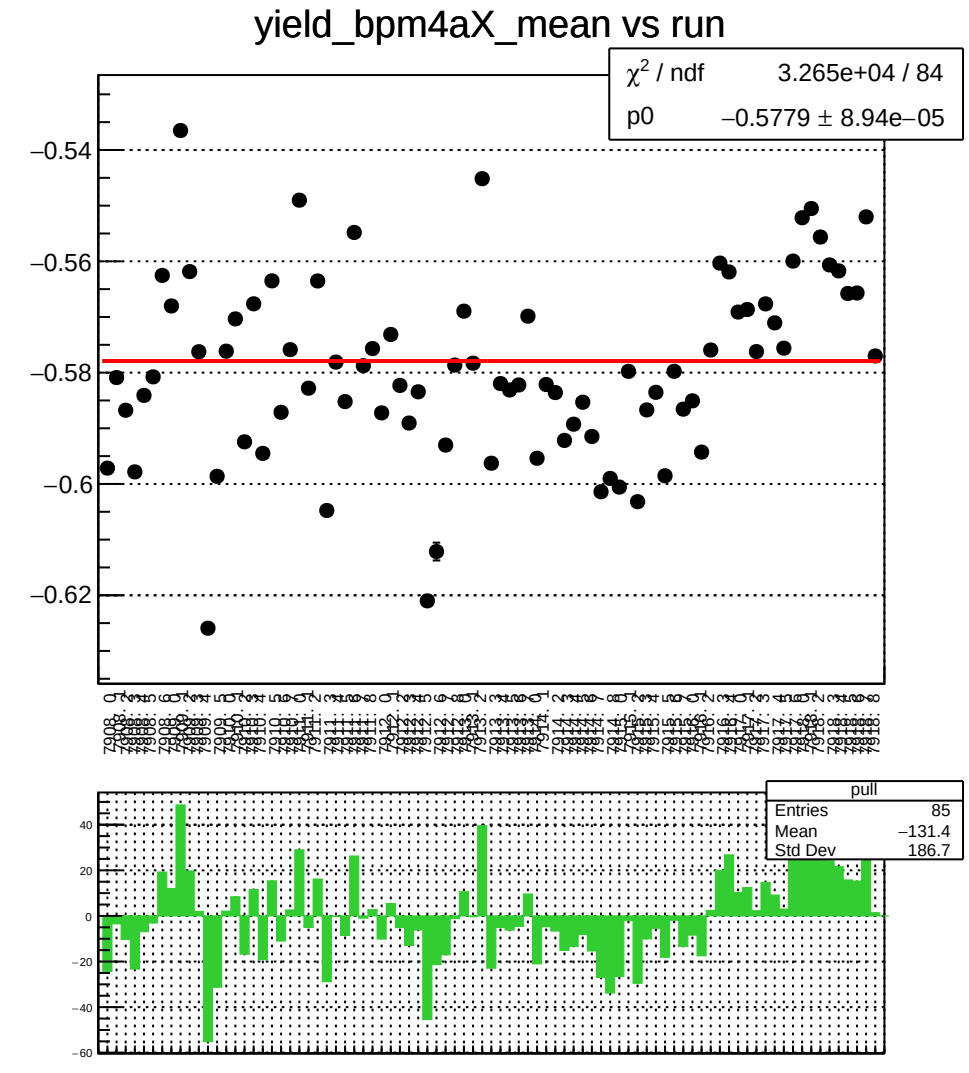

pull1D
Entries 85
Mean 0.05263
Std Dev 4.536

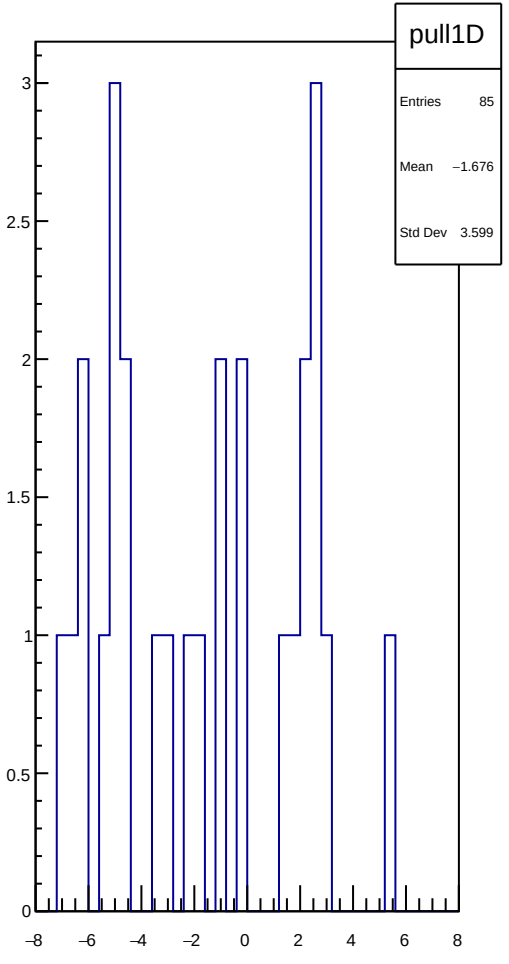

yield_cav4dX_rms vs run
χ^2 / ndf 1.877e+04 / 84
p0 1.741 ± 0.00137
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4

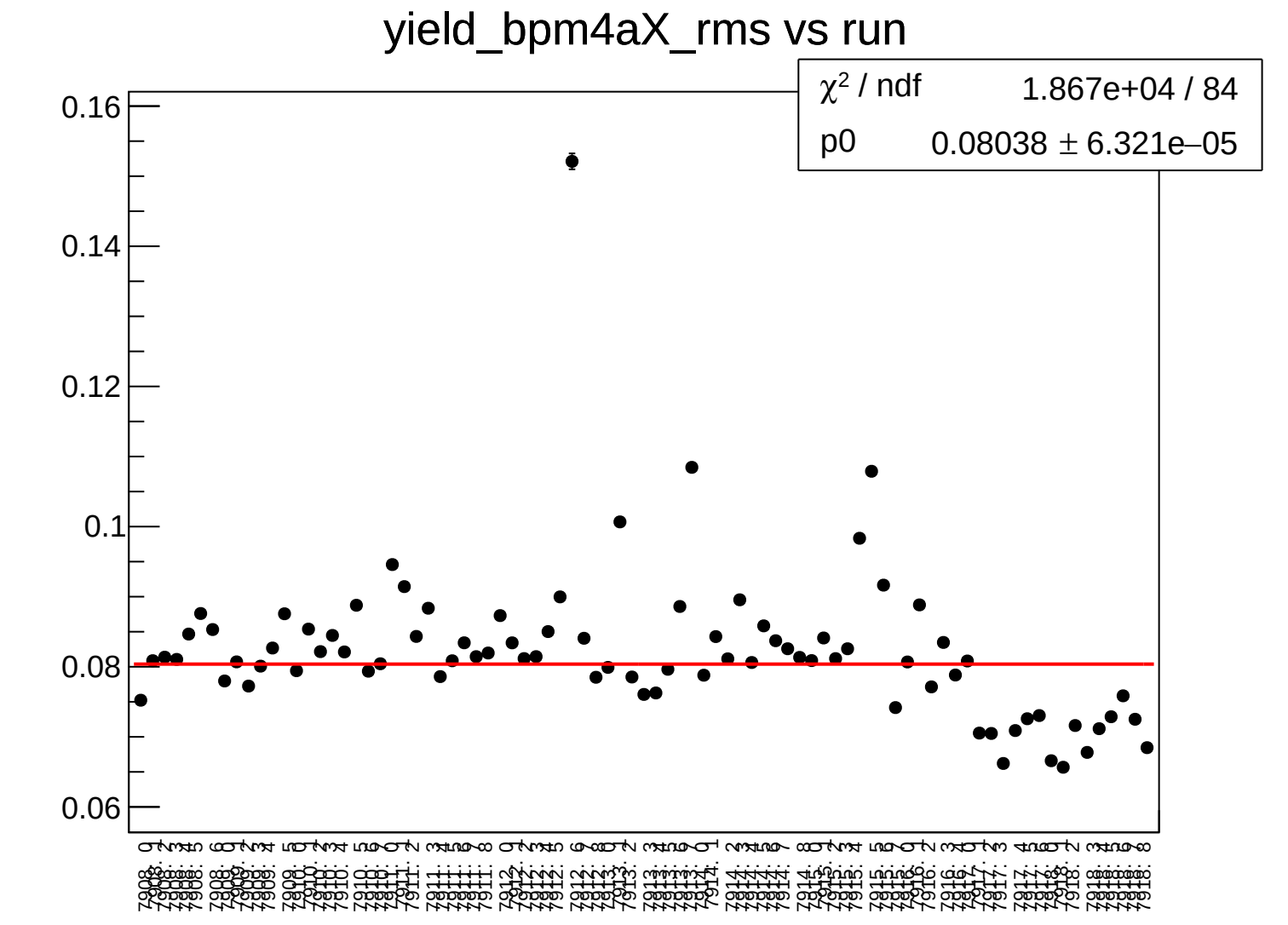

yield_cav4dY_mean vs run
χ² / ndf 2.464e+05 / 84
p0 −30.08 ± 0.0003547
−29.8
−30
−30.2
−30.4
−30.6
pull
Entries 85
Mean −527.7
Std Dev 571.7
100
50
0
−50
−100

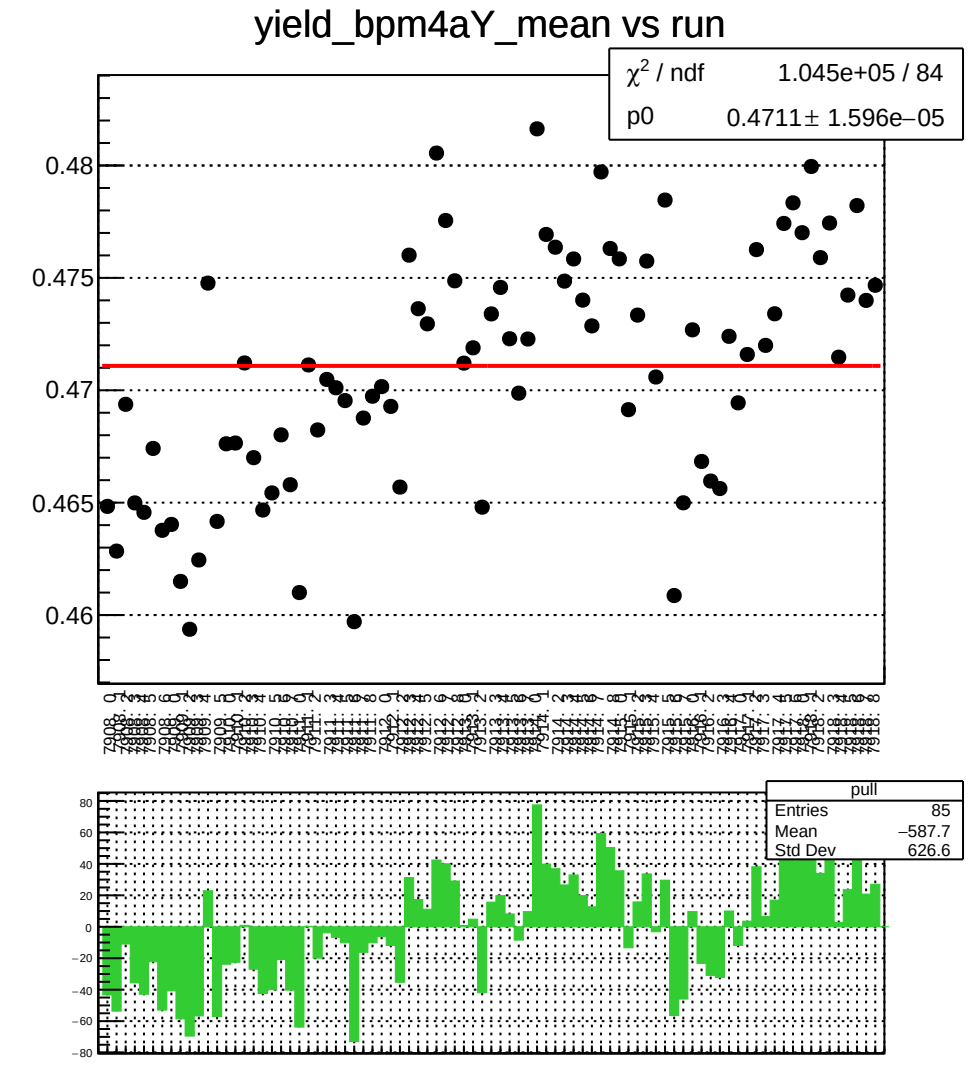

pull1D
Entries 85
Mean 1.789
Std Dev 4.46
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

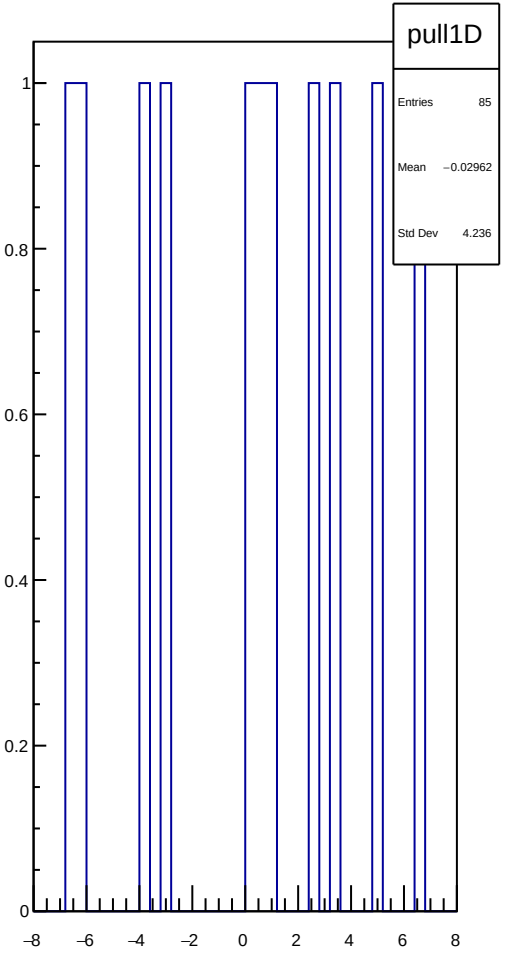

yield_cav4dY_rms vs run
χ² / ndf 1.757e+04 / 84
p0 0.319 ± 0.0002508
0.55
0.5
0.45
0.4
0.35
0.3

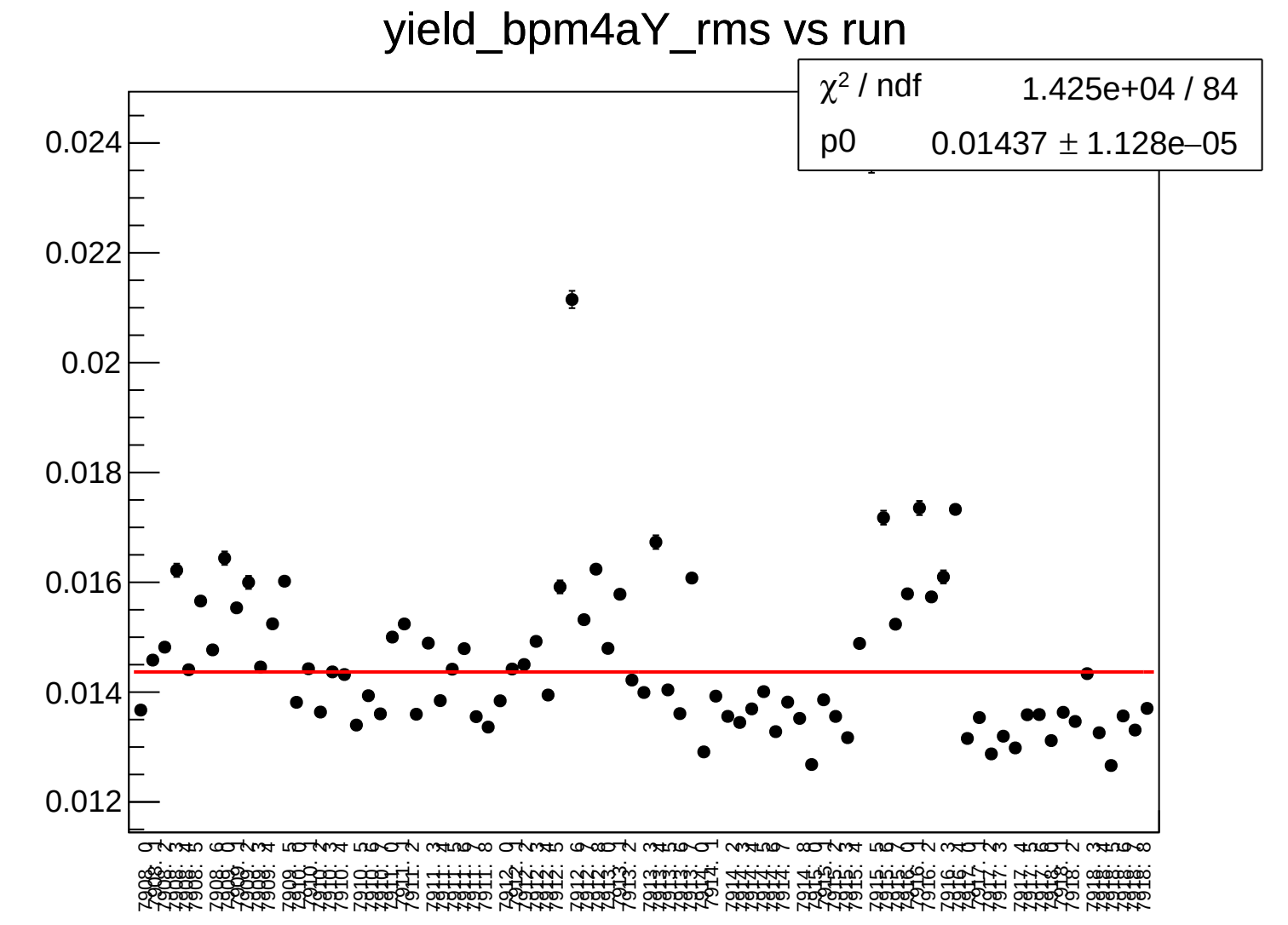

yield_bpm4aX_mean vs run
χ² / ndf 3.265e+04 / 84
p0 −0.5779 ± 8.94e−05
−0.54
−0.56
−0.58
−0.6
−0.62
pull
Entries 85
Mean −131.4
Std Dev 186.7
40
20
0
−20
−40
−60

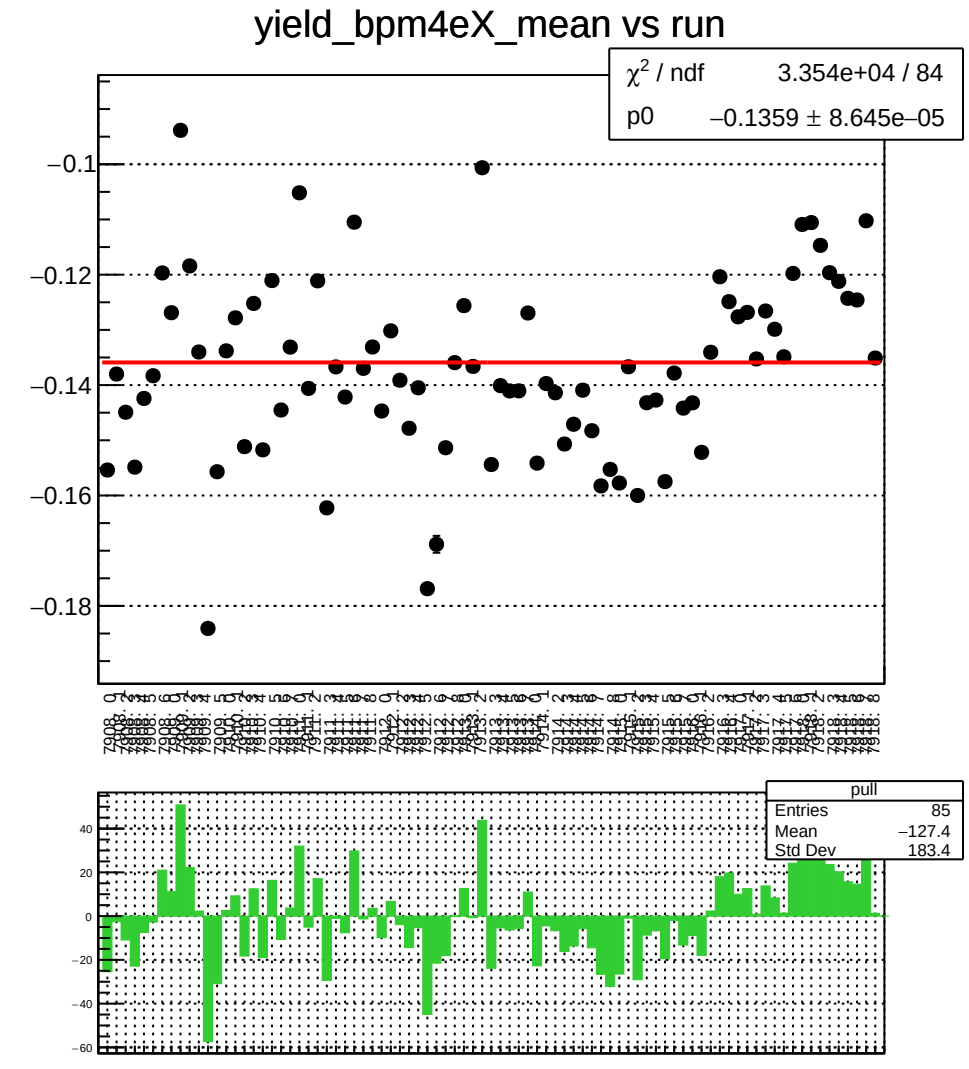

pull1D
Entries 85
Mean −1.676
Std Dev 3.599
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

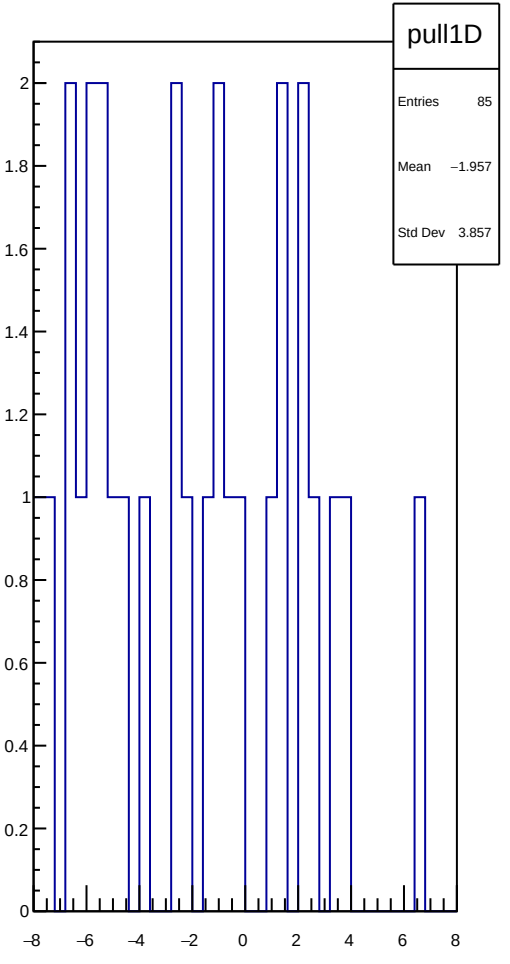

yield_bpm4aX_rms vs run
χ² / ndf 1.867e+04 / 84
p0 0.08038 ± 6.321e–05
0.16
0.14
0.12
0.1
0.08
0.06

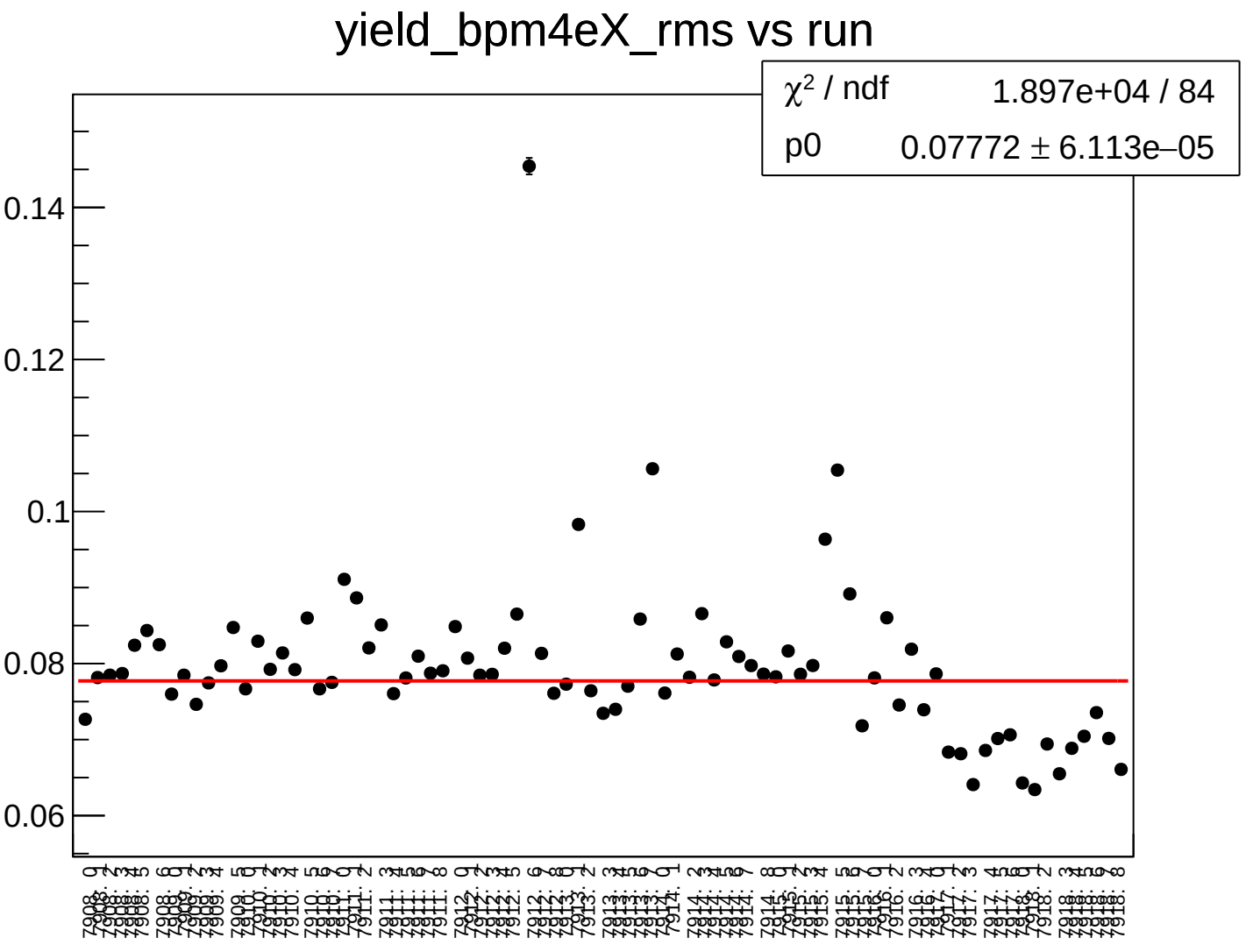

yield_bpm4aY_mean vs run
χ² / ndf 1.045e+05 / 84
p0 0.4711 ± 1.596e−05
0.48
0.475
0.47
0.465
0.46
pull
Entries 85
Mean −587.7
Std Dev 626.6
80
60
40
20
0
−20
−40
−60
−80

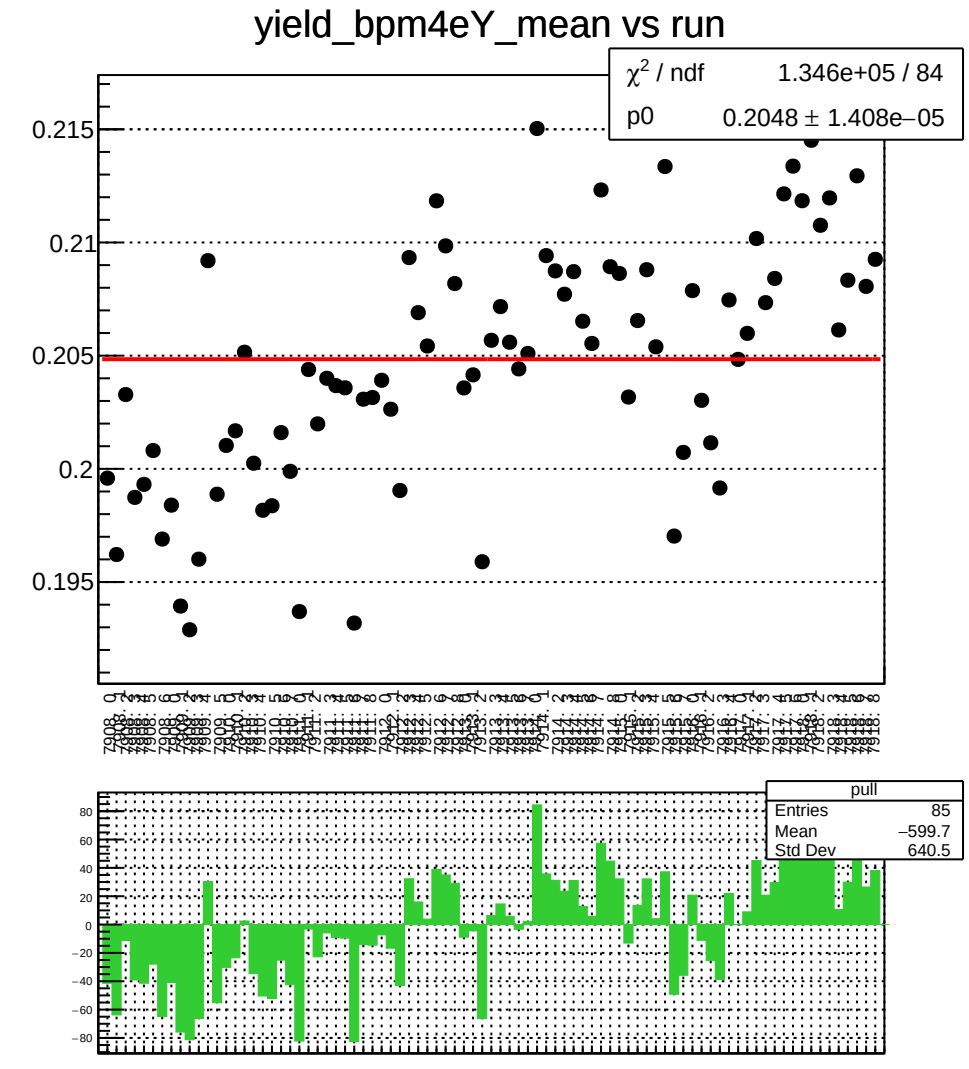

pull1D
Entries 85
Mean −0.02962
Std Dev 4.236
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

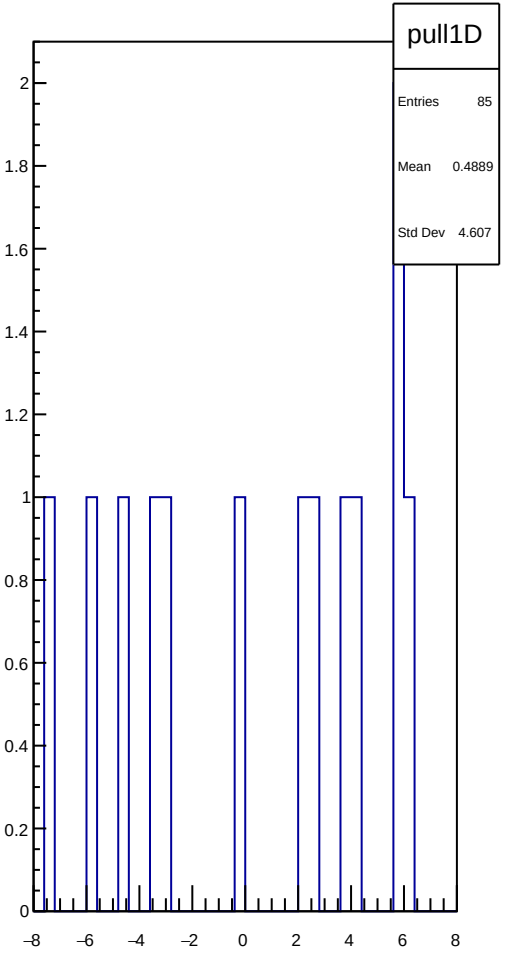

yield_bpm4aY_rms vs run
χ² / ndf 1.425e+04 / 84
p0 0.01437 ± 1.128e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012

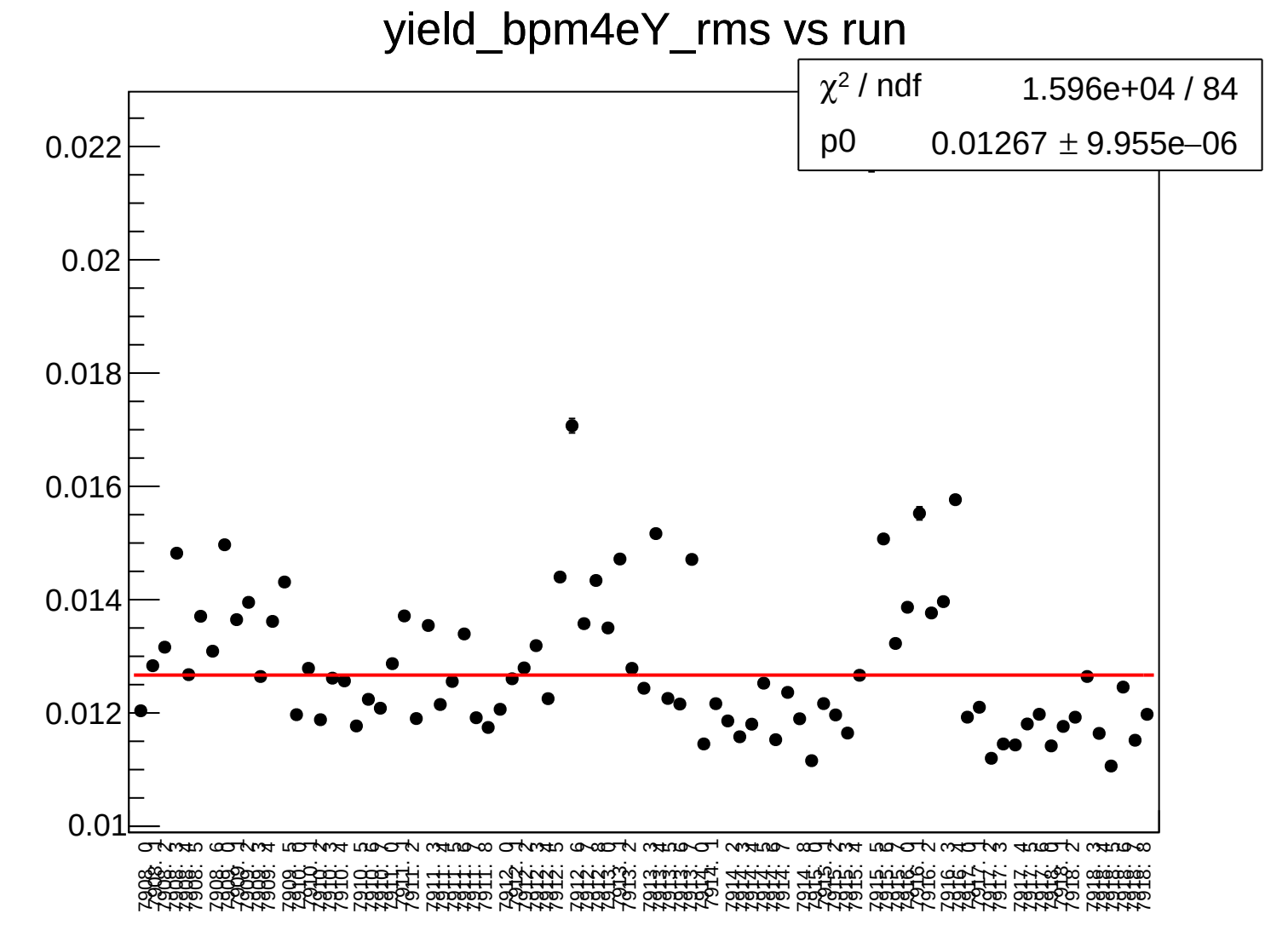

yield_bpm4eX_mean vs run
χ² / ndf 3.354e+04 / 84
p0 −0.1359 ± 8.645e−05
−0.1
−0.12
−0.14
−0.16
−0.18
pull
Entries 85
Mean −127.4
Std Dev 183.4
40
20
0
−20
−40
−60

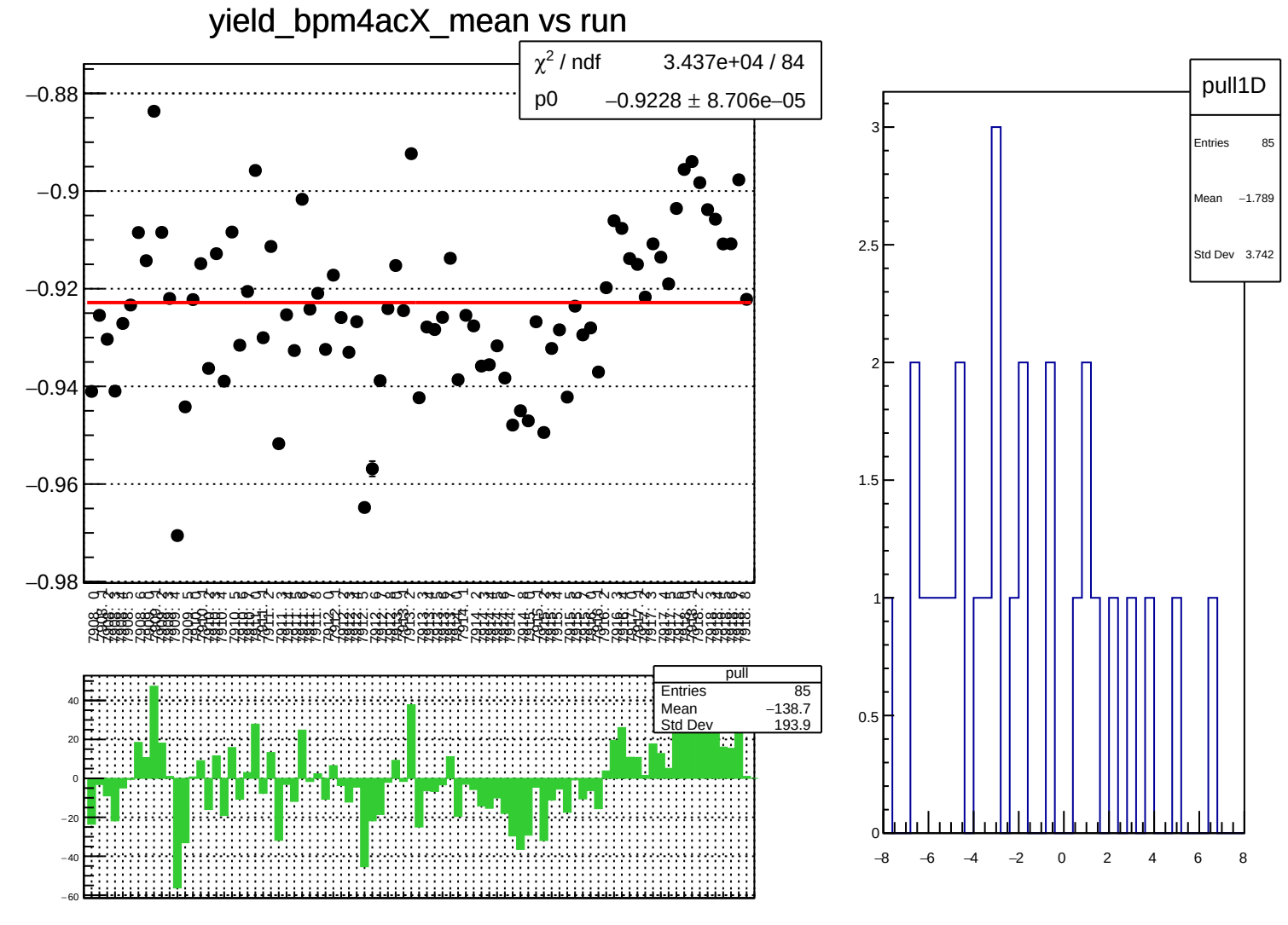

pull1D
Entries 85
Mean −1.957
Std Dev 3.857
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

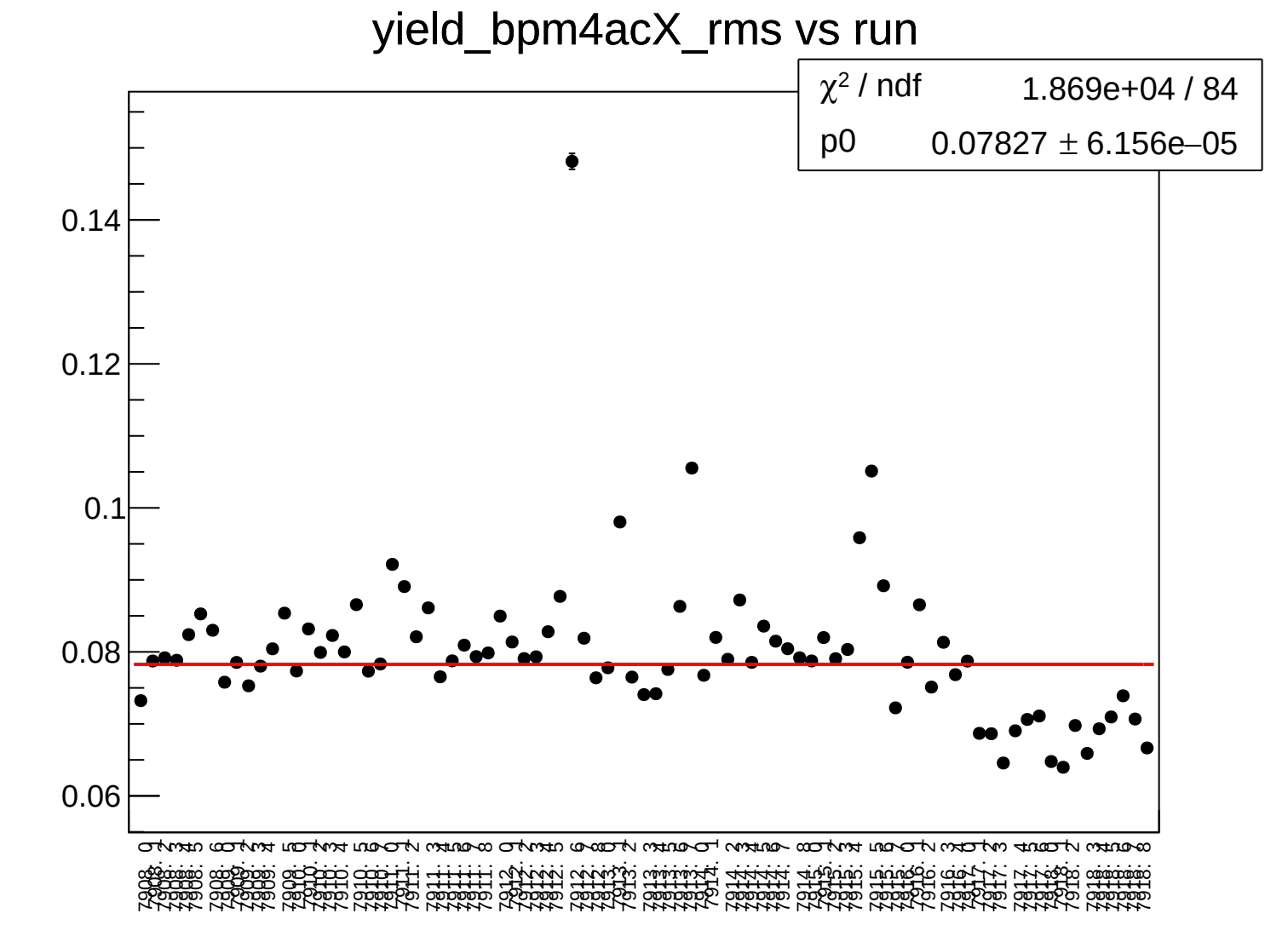

yield_bpm4eX_rms vs run
χ² / ndf 1.897e+04 / 84
p0 0.07772 ± 6.113e–05
0.14
0.12
0.1
0.08
0.06

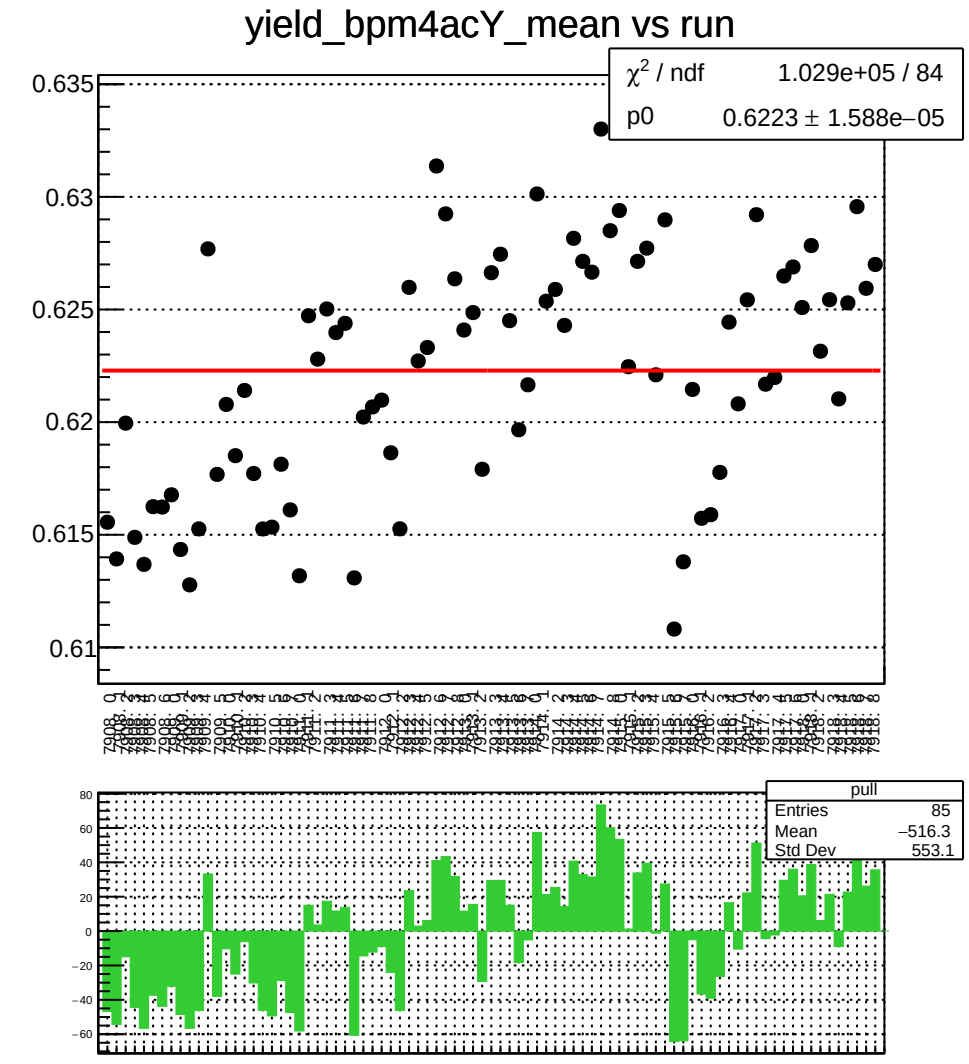

yield_bpm4eY_mean vs run
χ² / ndf 1.346e+05 / 84
p0 0.2048 ± 1.408e−05
0.215
0.21
0.205
0.2
0.195
pull
Entries 85
Mean −599.7
Std Dev 640.5
80
60
40
20
0
−20
−40
−60
−80

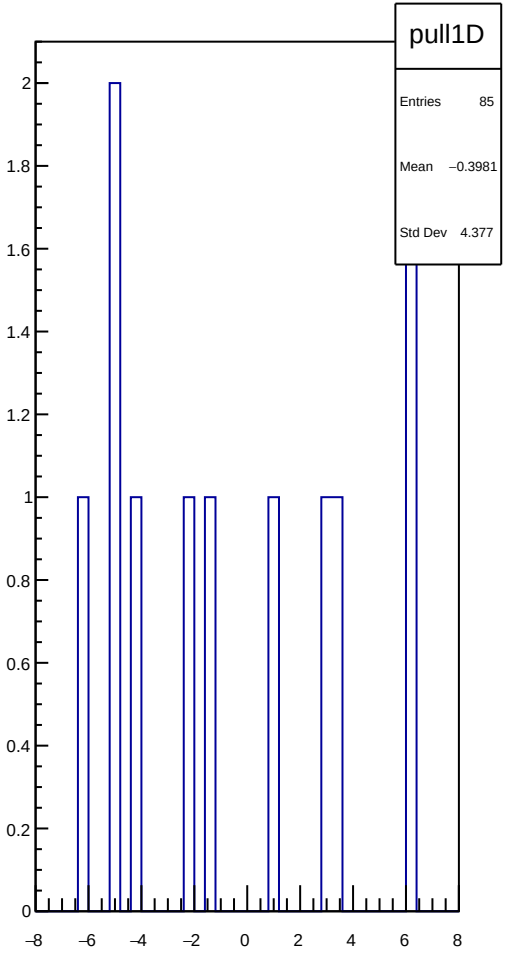

pull1D
Entries 85
Mean 0.4889
Std Dev 4.607
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

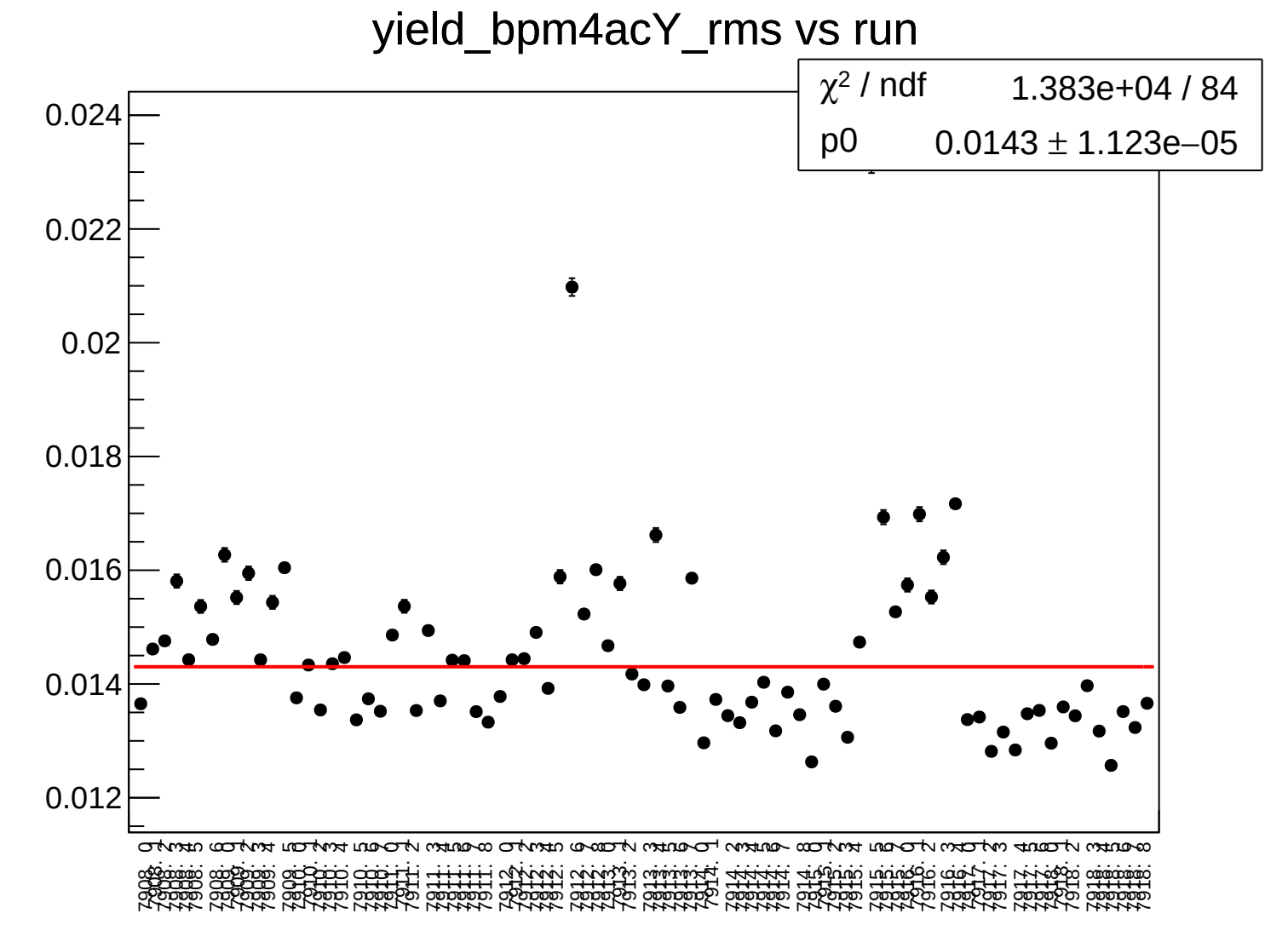

yield_bpm4eY_rms vs run
χ² / ndf 1.596e+04 / 84
p0 0.01267 ± 9.955e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01

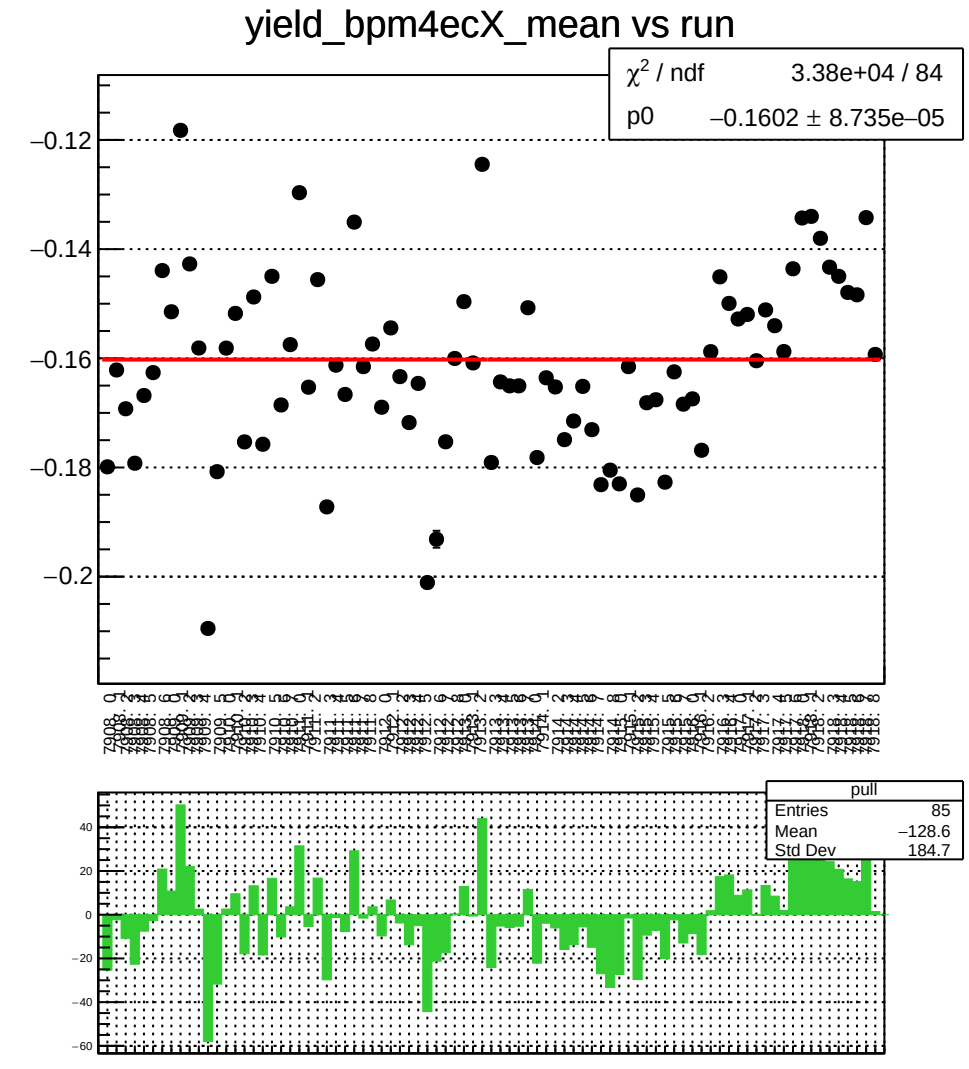

yield_bpm4acX_mean vs run
χ² / ndf 3.437e+04 / 84
p0 −0.9228 ± 8.706e−05
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
pull
Entries 85
Mean −138.7
Std Dev 193.9
40
20
0
−20
−40
−60
pull1D
Entries 85
Mean −1.789
Std Dev 3.742
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

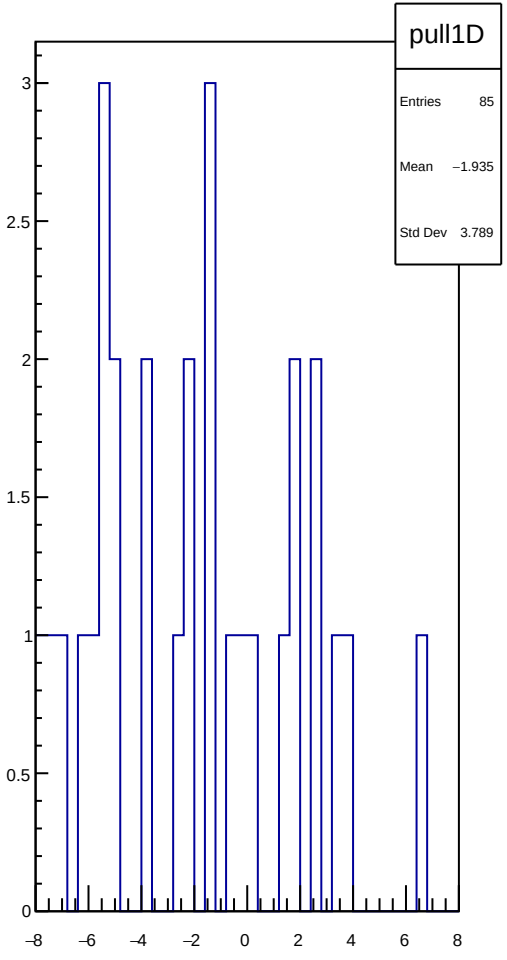

yield_bpm4acX_rms vs run
χ² / ndf 1.869e+04 / 84
p0 0.07827 ± 6.156e–05
0.14
0.12
0.1
0.08
0.06

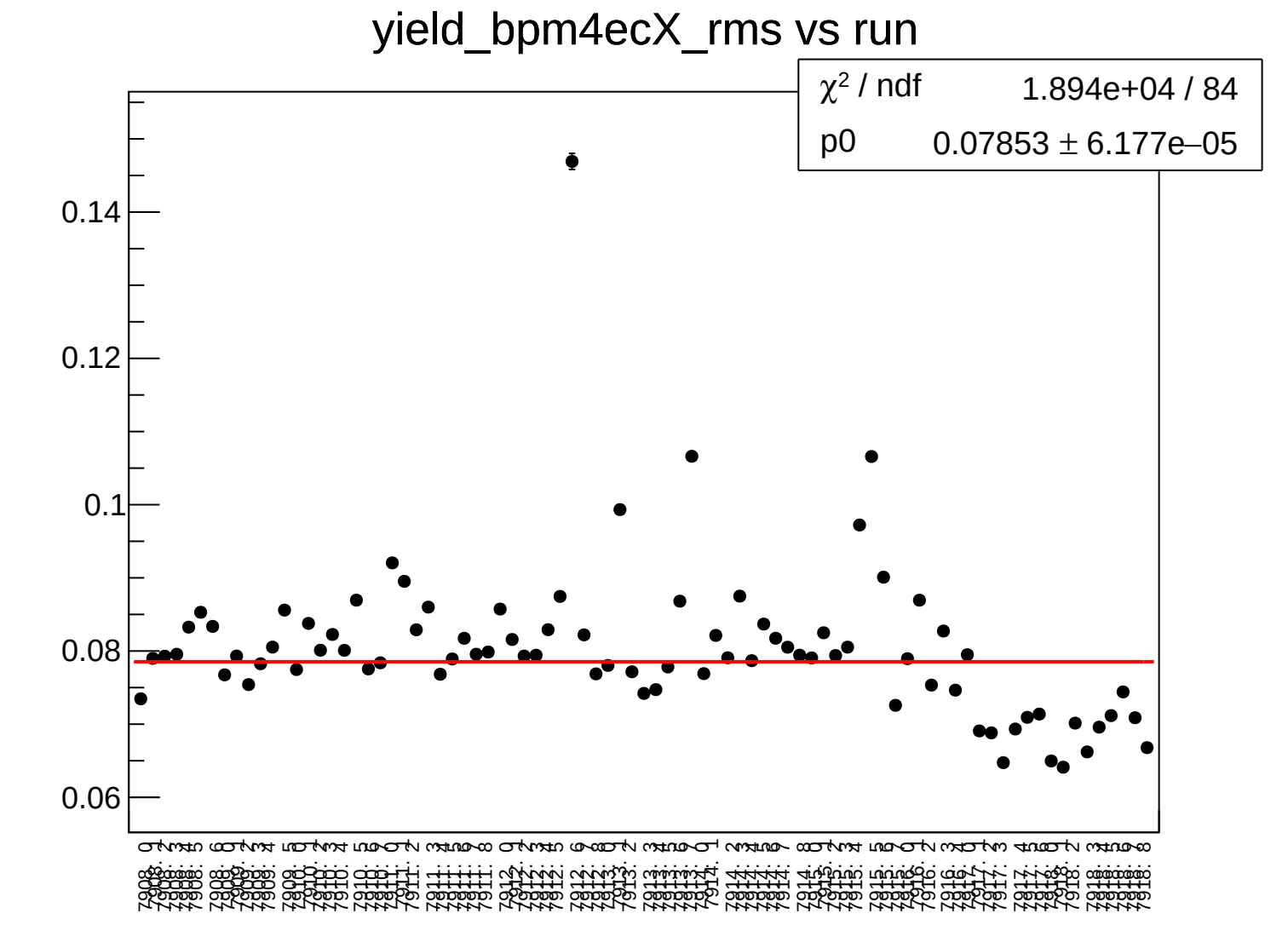

yield_bpm4acY_mean vs run
χ² / ndf 1.029e+05 / 84
p0 0.6223 ± 1.588e−05
0.635
0.63
0.625
0.62
0.615
0.61
pull
Entries 85
Mean −516.3
Std Dev 553.1
80
60
40
20
0
−20
−40
−60

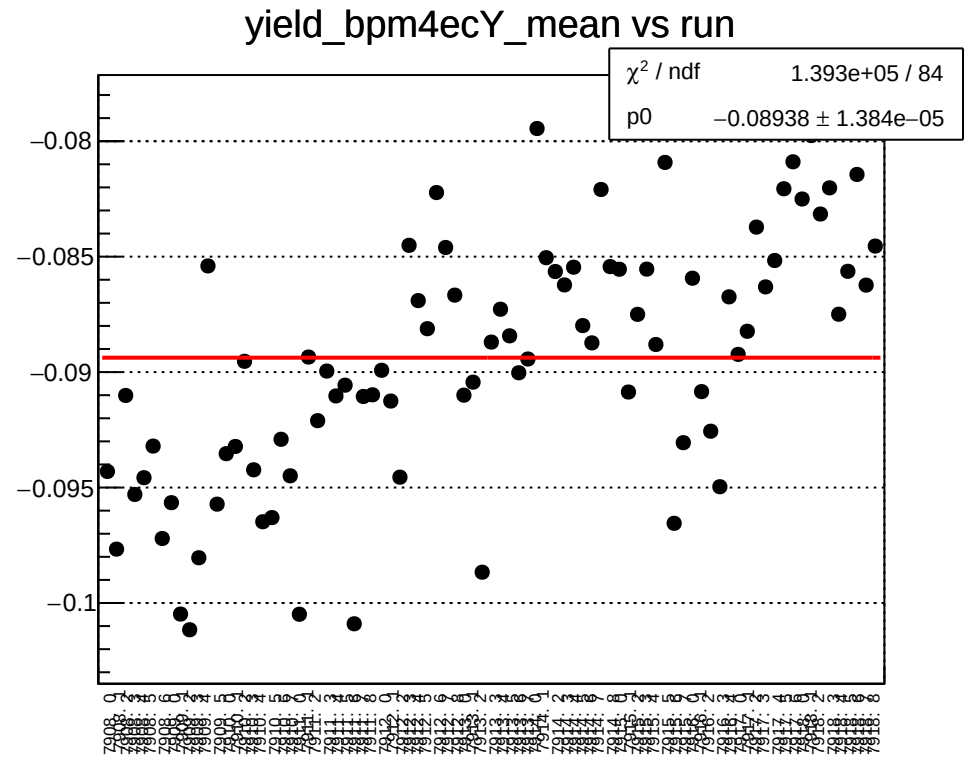

pull1D
Entries 85
Mean −0.3981
Std Dev 4.377
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

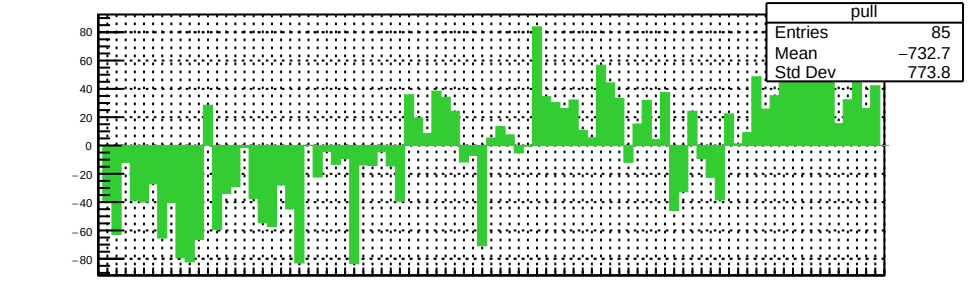

yield_bpm4acY_rms vs run
χ² / ndf 1.383e+04 / 84
p0 0.0143 ± 1.123e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012

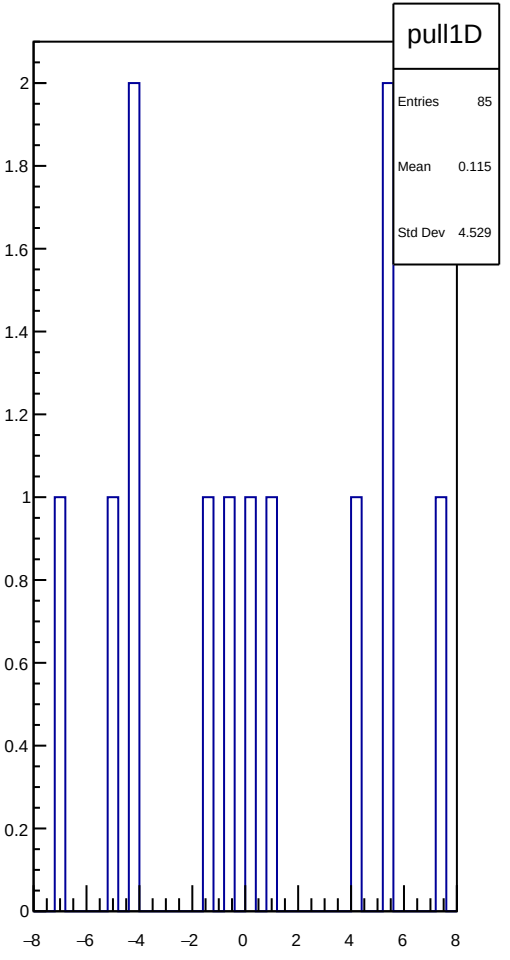

yield_bpm4ecX_mean vs run
χ² / ndf 3.38e+04 / 84
p0 −0.1602 ± 8.735e−05
−0.12
−0.14
−0.16
−0.18
−0.2
pull
Entries 85
Mean −128.6
Std Dev 184.7
40
20
0
−20
−40
−60

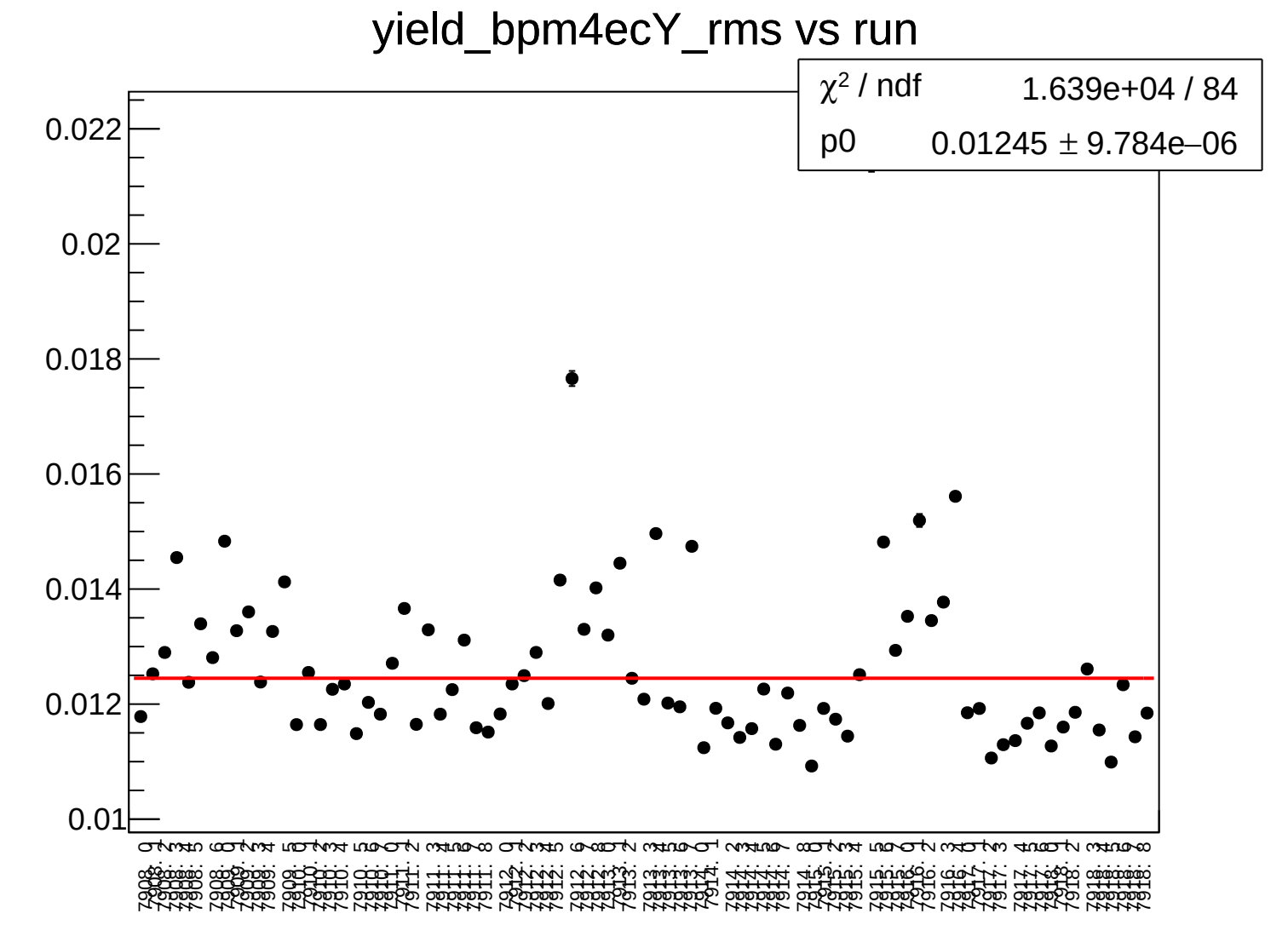

pull1D
Entries 85
Mean −1.935
Std Dev 3.789
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

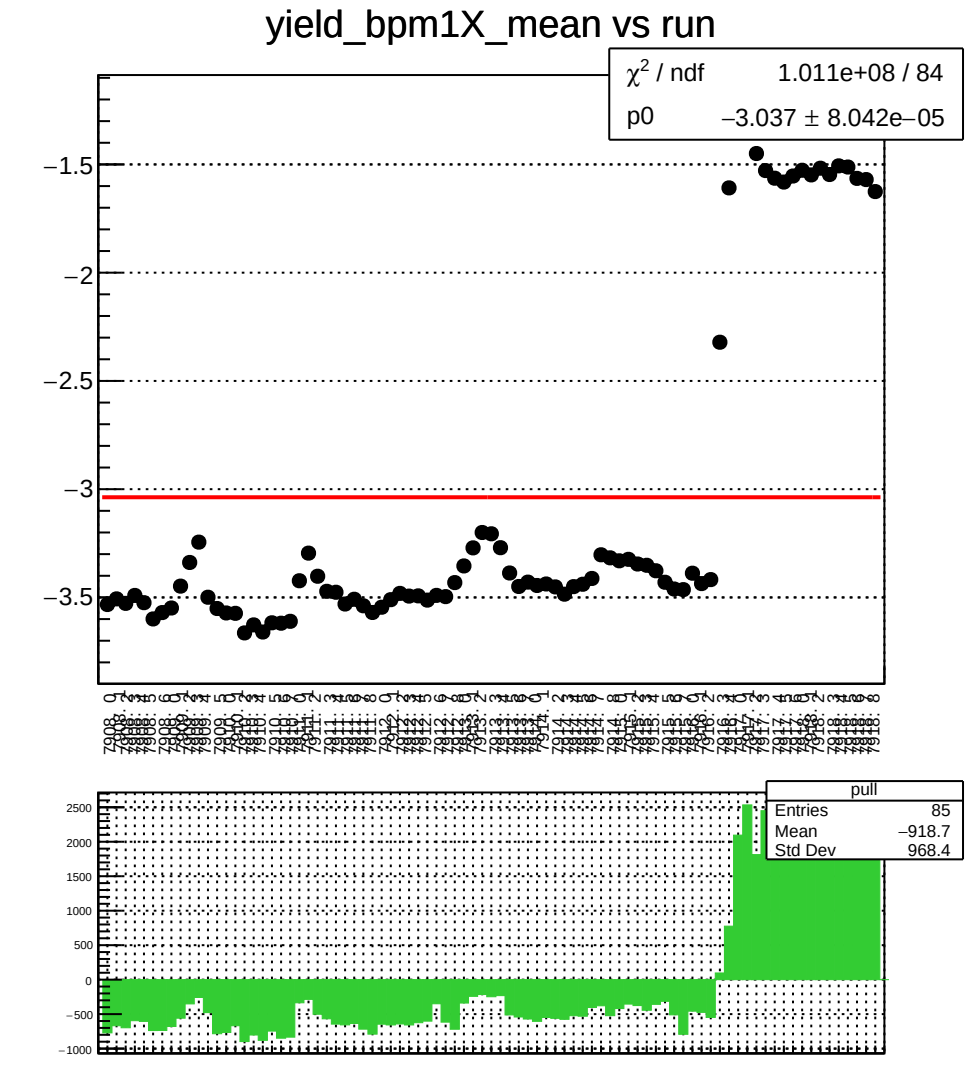

yield_bpm4ecX_rms vs run
χ² / ndf 1.894e+04 / 84
p0 0.07853 ± 6.177e–05
0.14
0.12
0.1
0.08
0.06

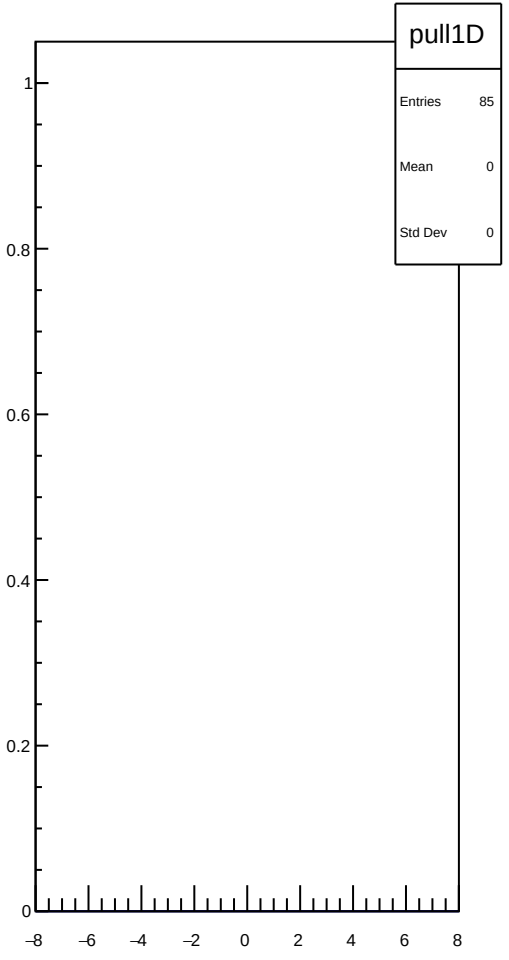

yield_bpm4ecY_mean vs run
χ² / ndf 1.393e+05 / 84
p0 −0.08938 ± 1.384e−05
−0.08
−0.085
−0.09
−0.095
−0.1

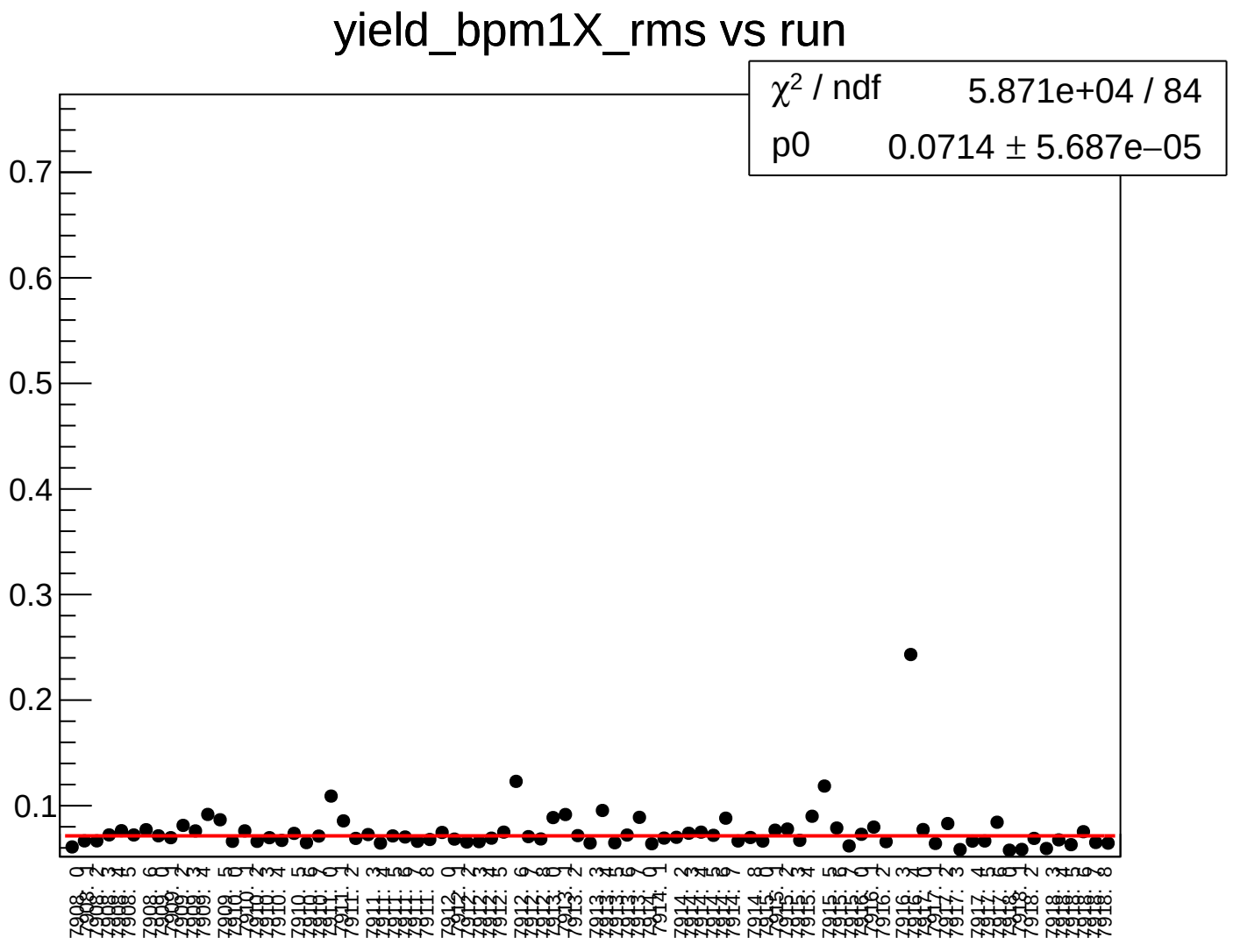

pull
Entries 85
Mean −732.7
Std Dev 773.8
80
60
40
20
0
−20
−40
−60
−80

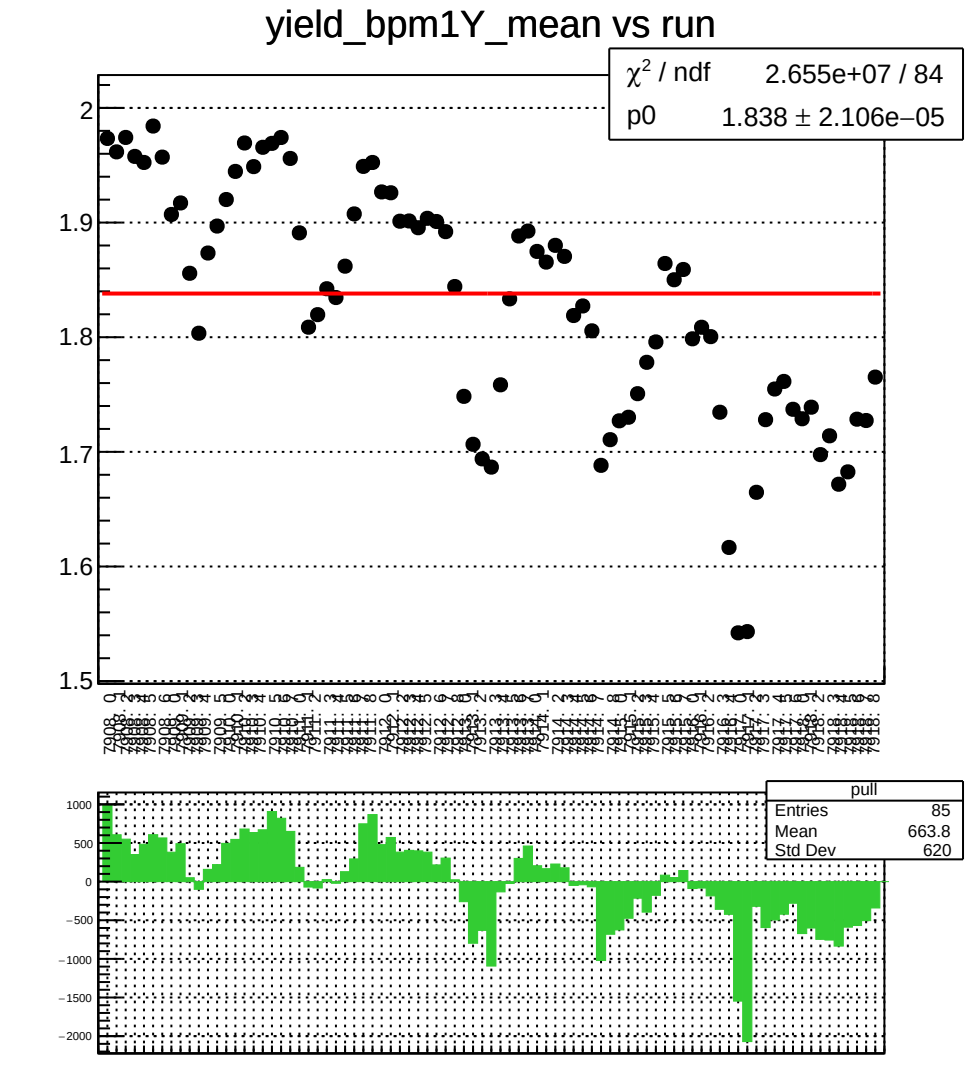

pull1D
Entries 85
Mean 0.115
Std Dev 4.529
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

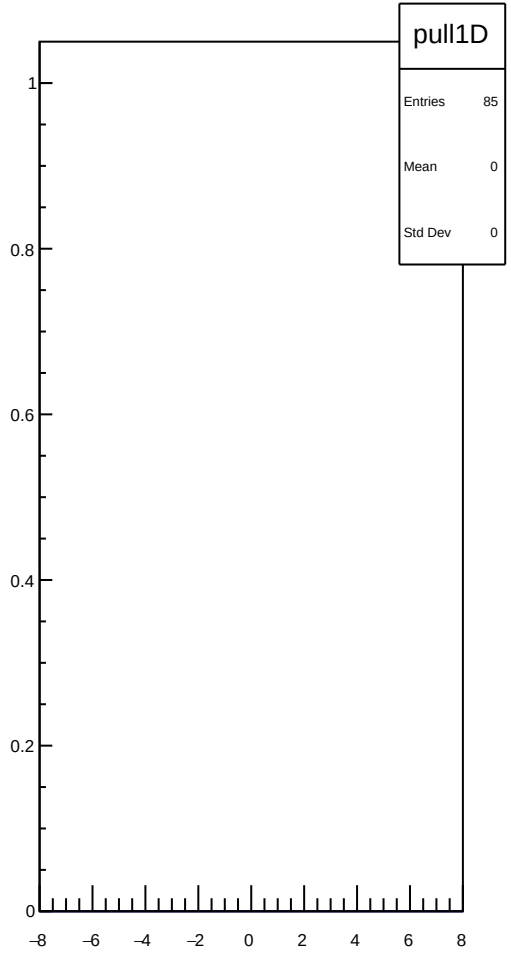

yield_bpm4ecY_rms vs run
χ² / ndf 1.639e+04 / 84
p0 0.01245 ± 9.784e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01

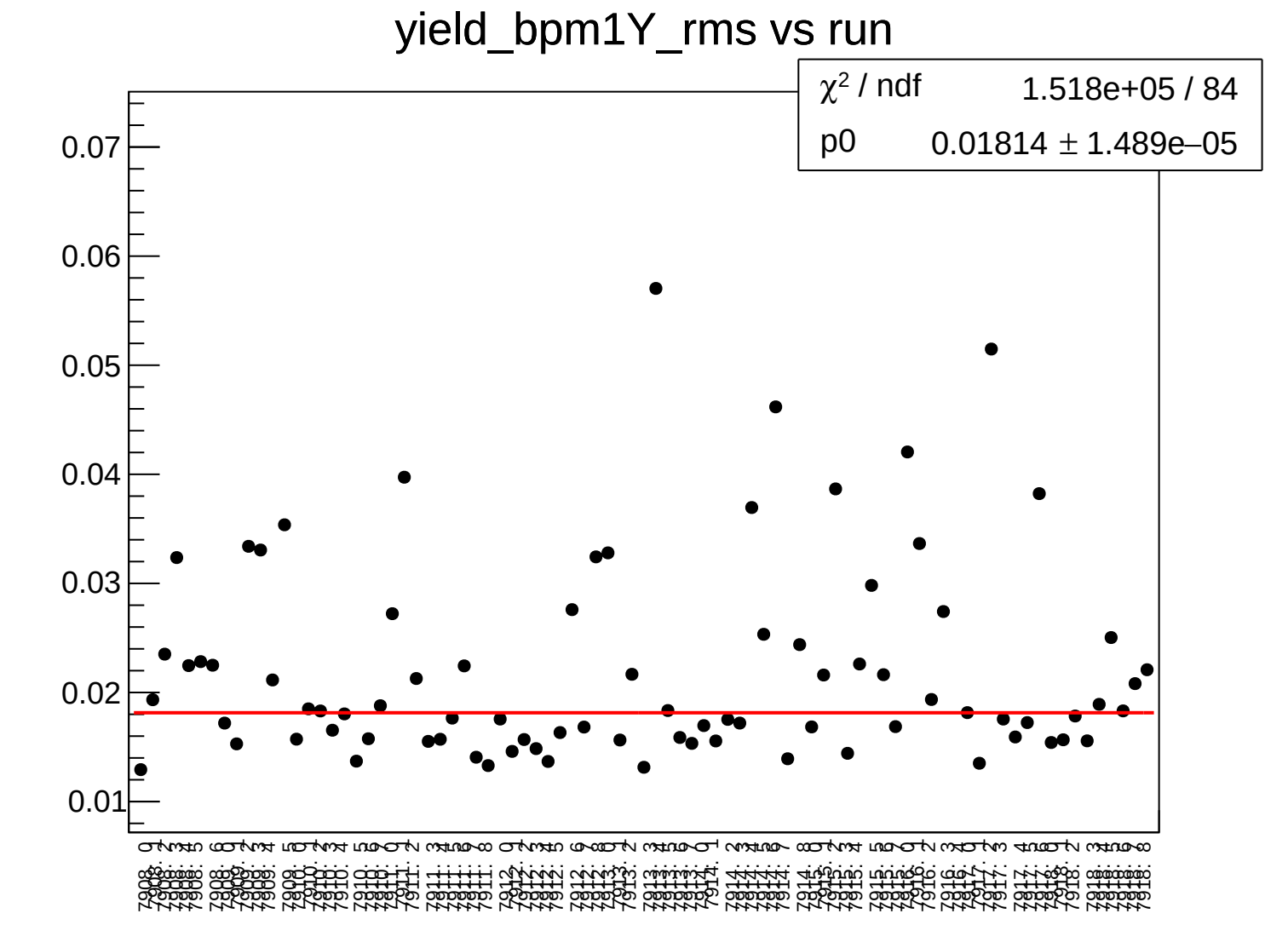

yield_bpm1X_mean vs run
χ² / ndf 1.011e+08 / 84
p0 −3.037 ± 8.042e−05
−1.5
−2
−2.5
−3
−3.5
pull
Entries 85
Mean −918.7
Std Dev 968.4
2500
2000
1500
1000
500
0
−500
−1000

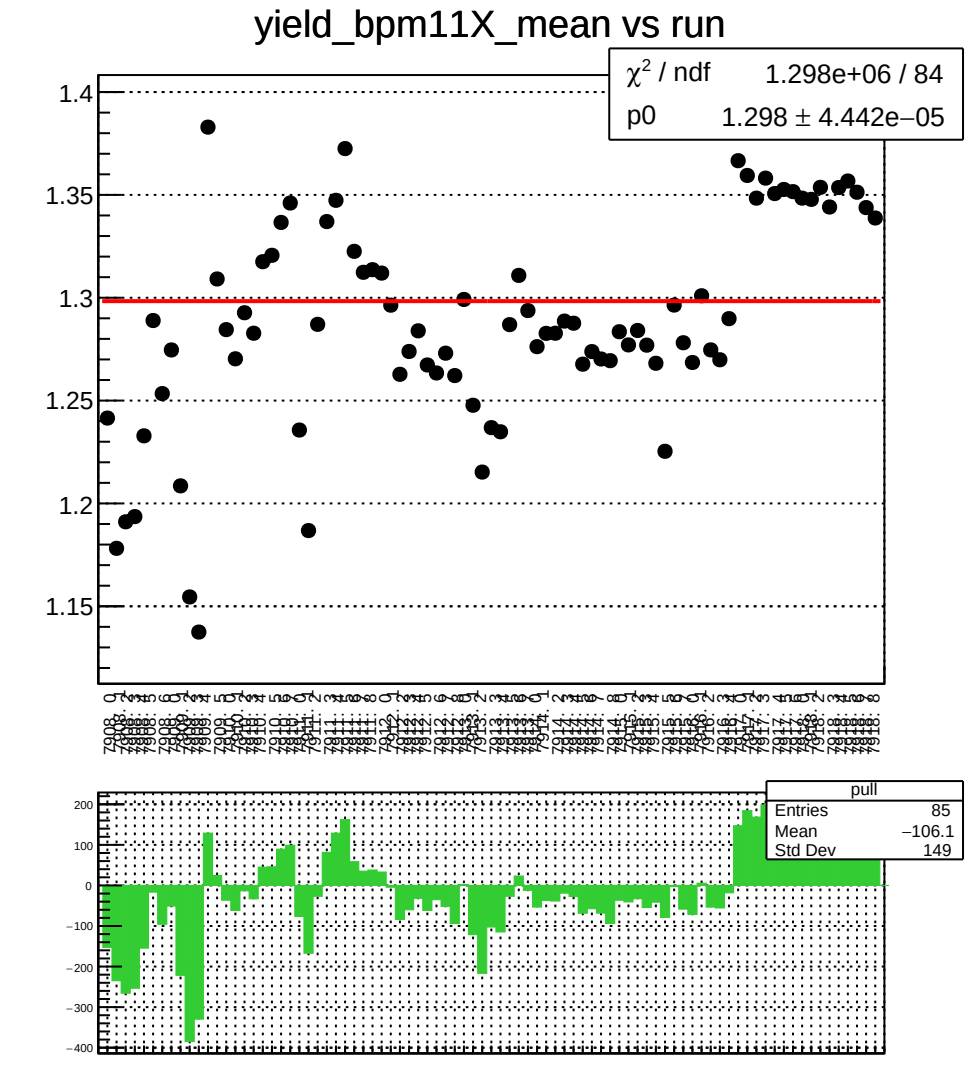

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

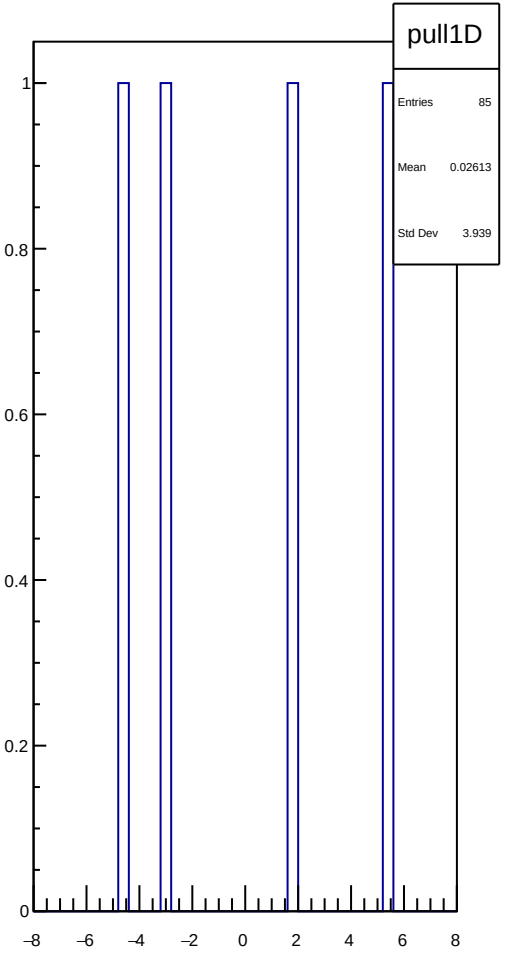

yield_bpm1X_rms vs run
χ² / ndf 5.871e+04 / 84
p0 0.0714 ± 5.687e−05
0.7
0.6
0.5
0.4
0.3
0.2
0.1

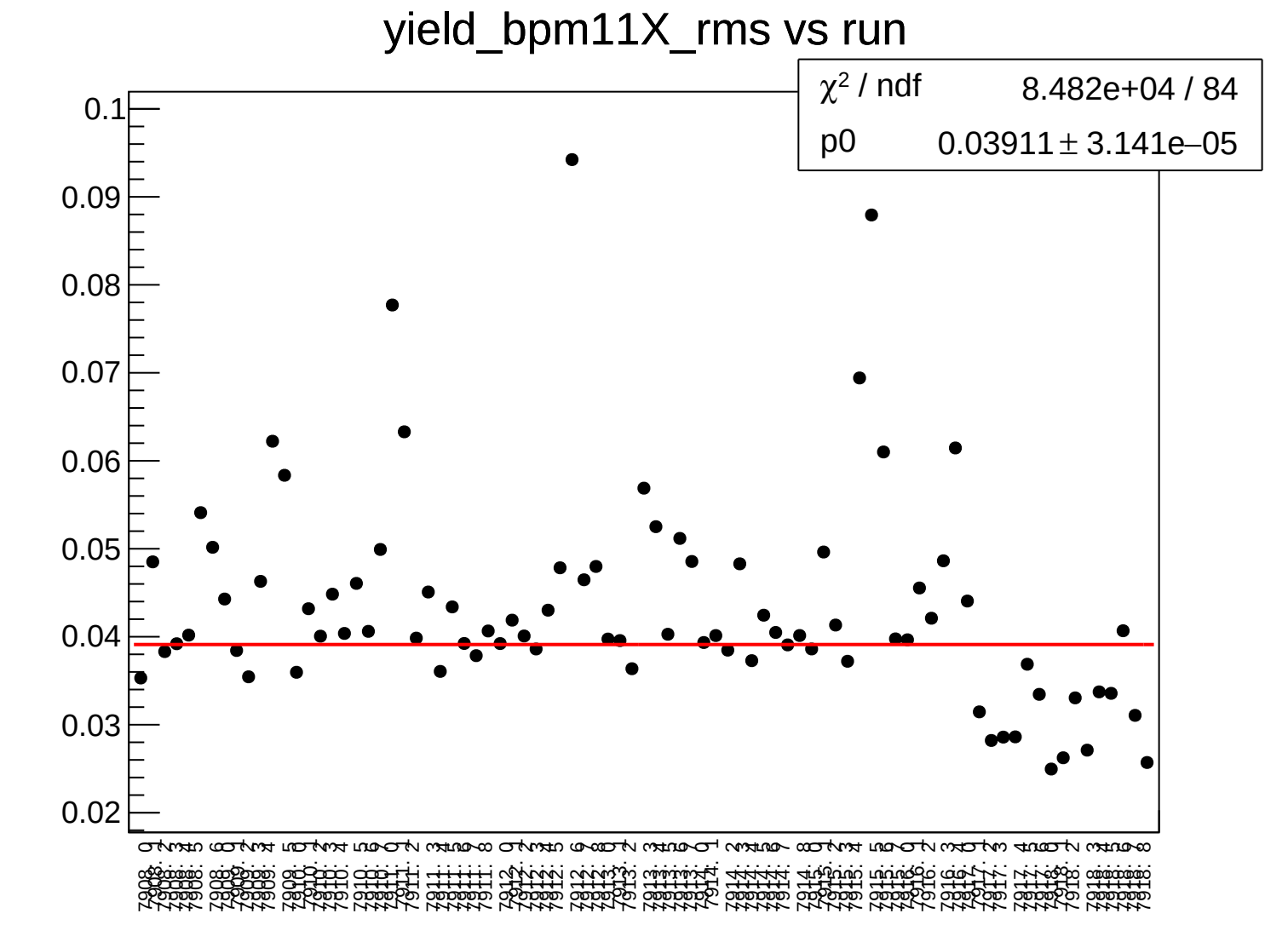

yield_bpm1Y_mean vs run
χ² / ndf 2.655e+07 / 84
p0 1.838 ± 2.106e−05
pull
Entries 85
Mean 663.8
Std Dev 620

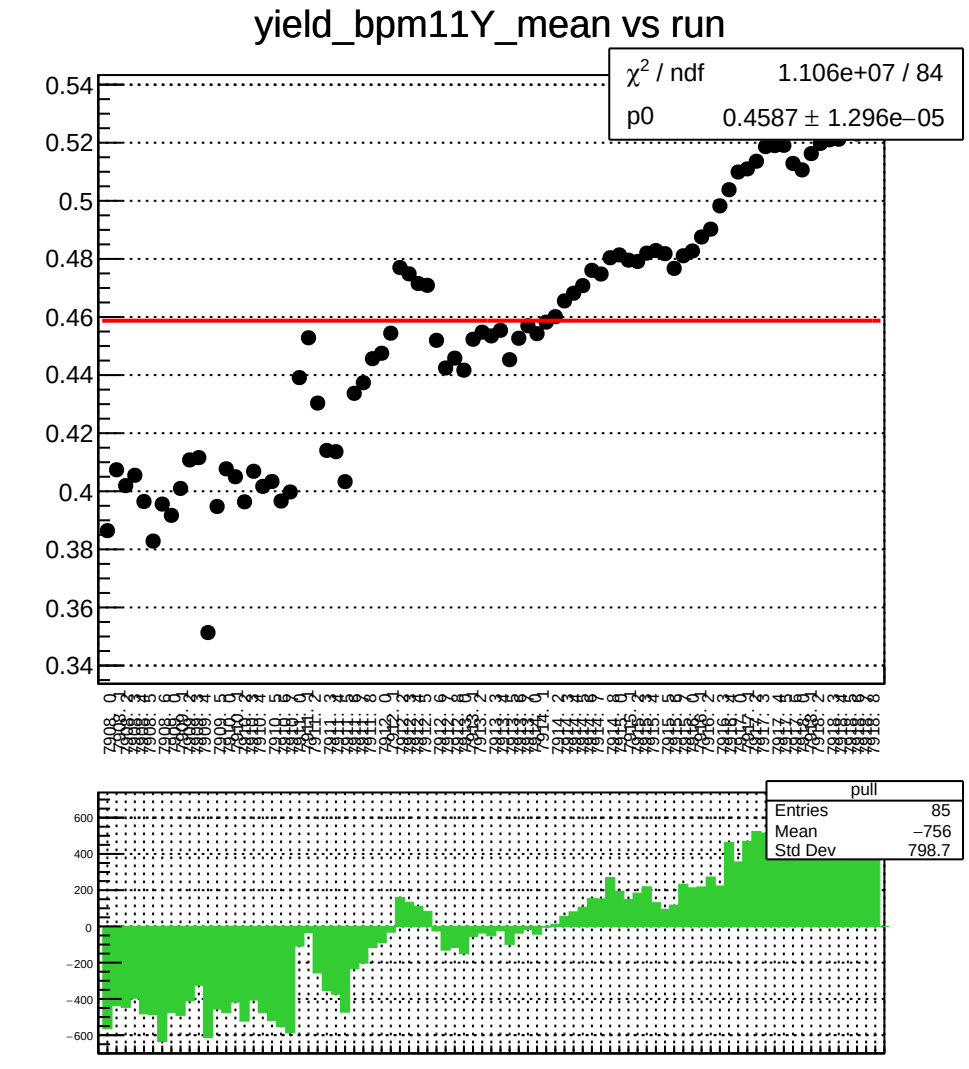

pull1D
Entries 85
Mean 0
Std Dev 0

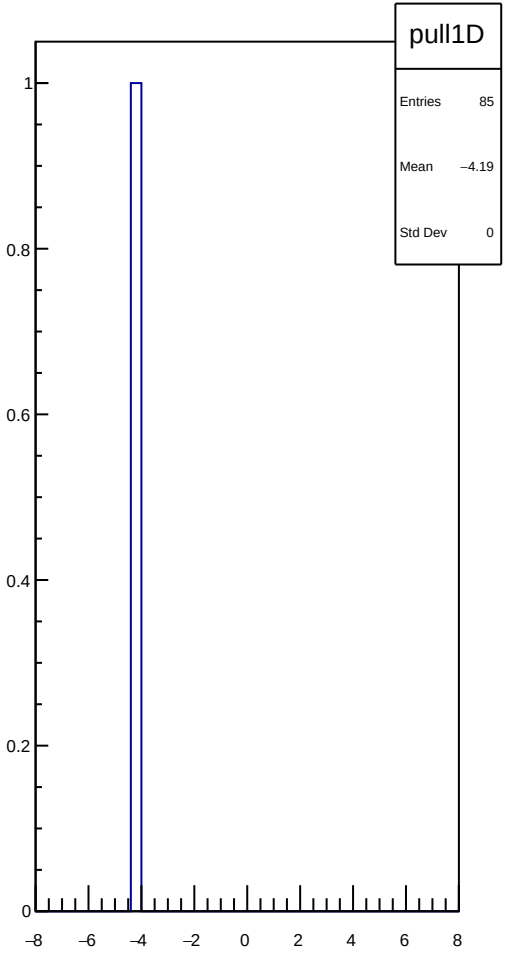

yield_bpm1Y_rms vs run
χ² / ndf 1.518e+05 / 84
p0 0.01814 ± 1.489e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

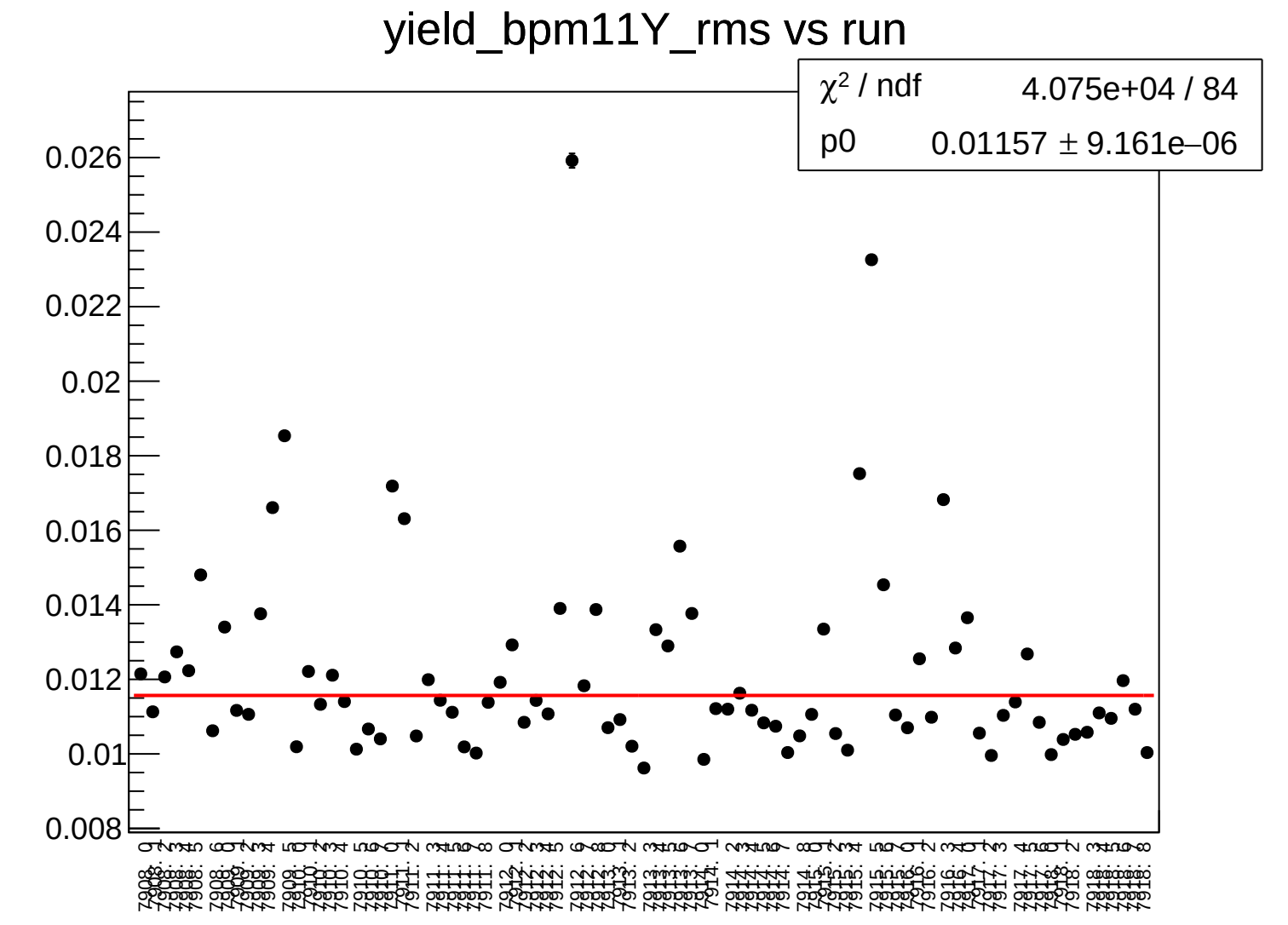

yield_bpm11X_mean vs run
χ² / ndf 1.298e+06 / 84
p0 1.298 ± 4.442e−05
1.4
1.35
1.3
1.25
1.2
1.15
pull
Entries 85
Mean −106.1
Std Dev 149
200
100
0
−100
−200
−300
−400

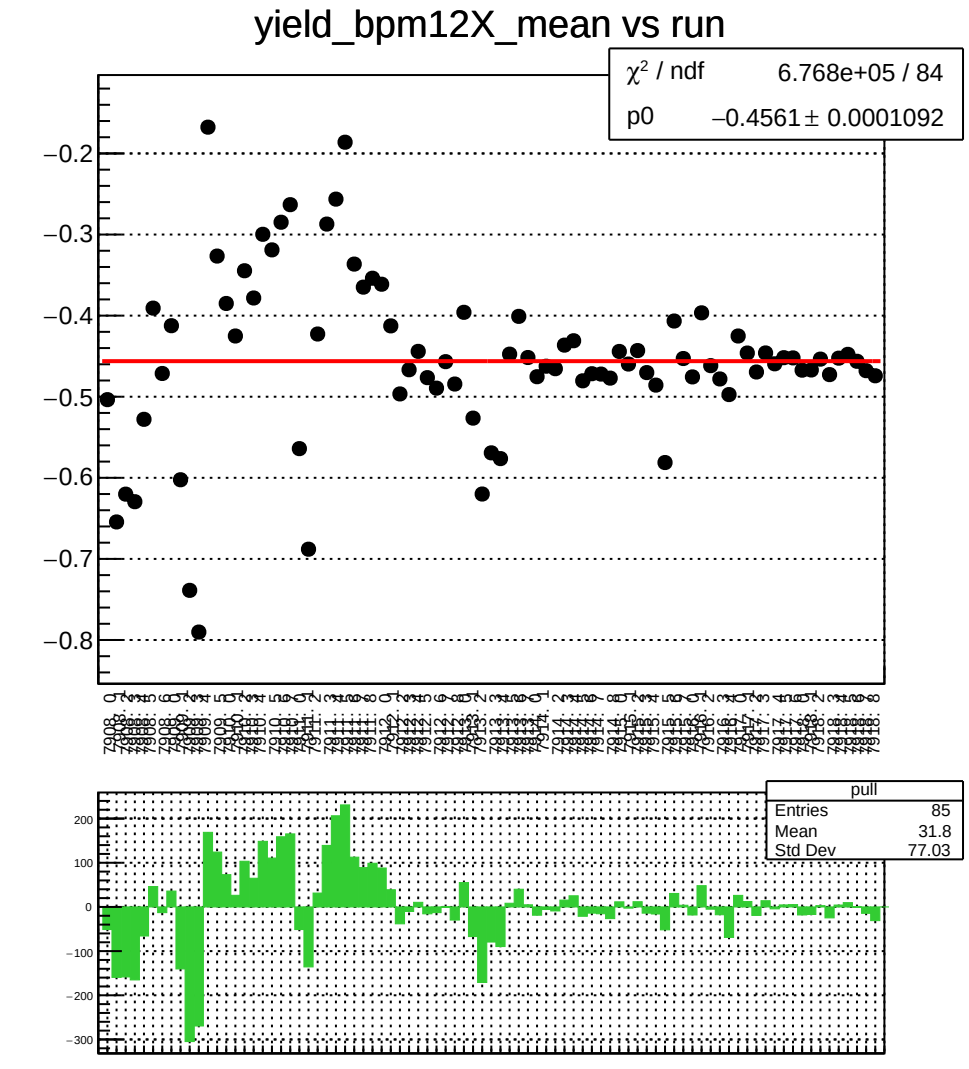

pull1D
Entries 85
Mean 0.02613
Std Dev 3.939
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

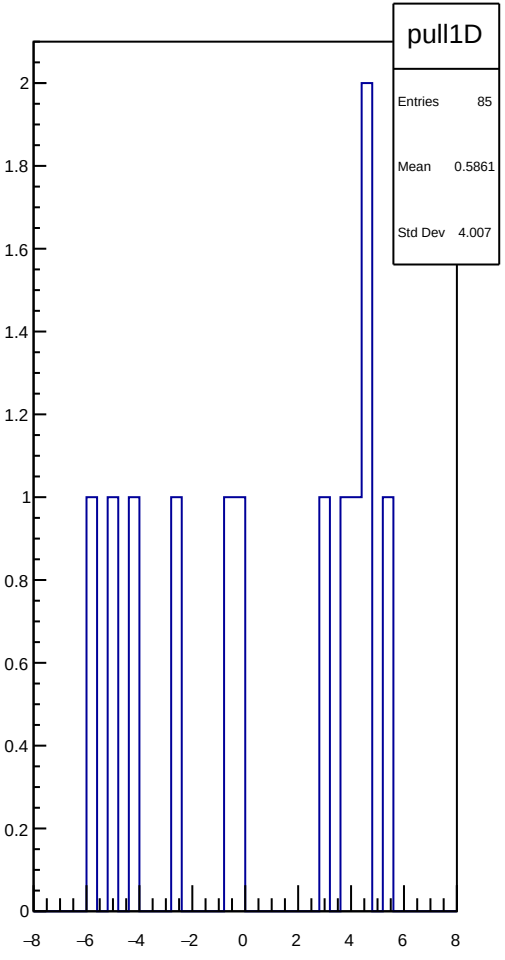

yield_bpm11X_rms vs run
χ² / ndf 8.482e+04 / 84
p0 0.03911 ± 3.141e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

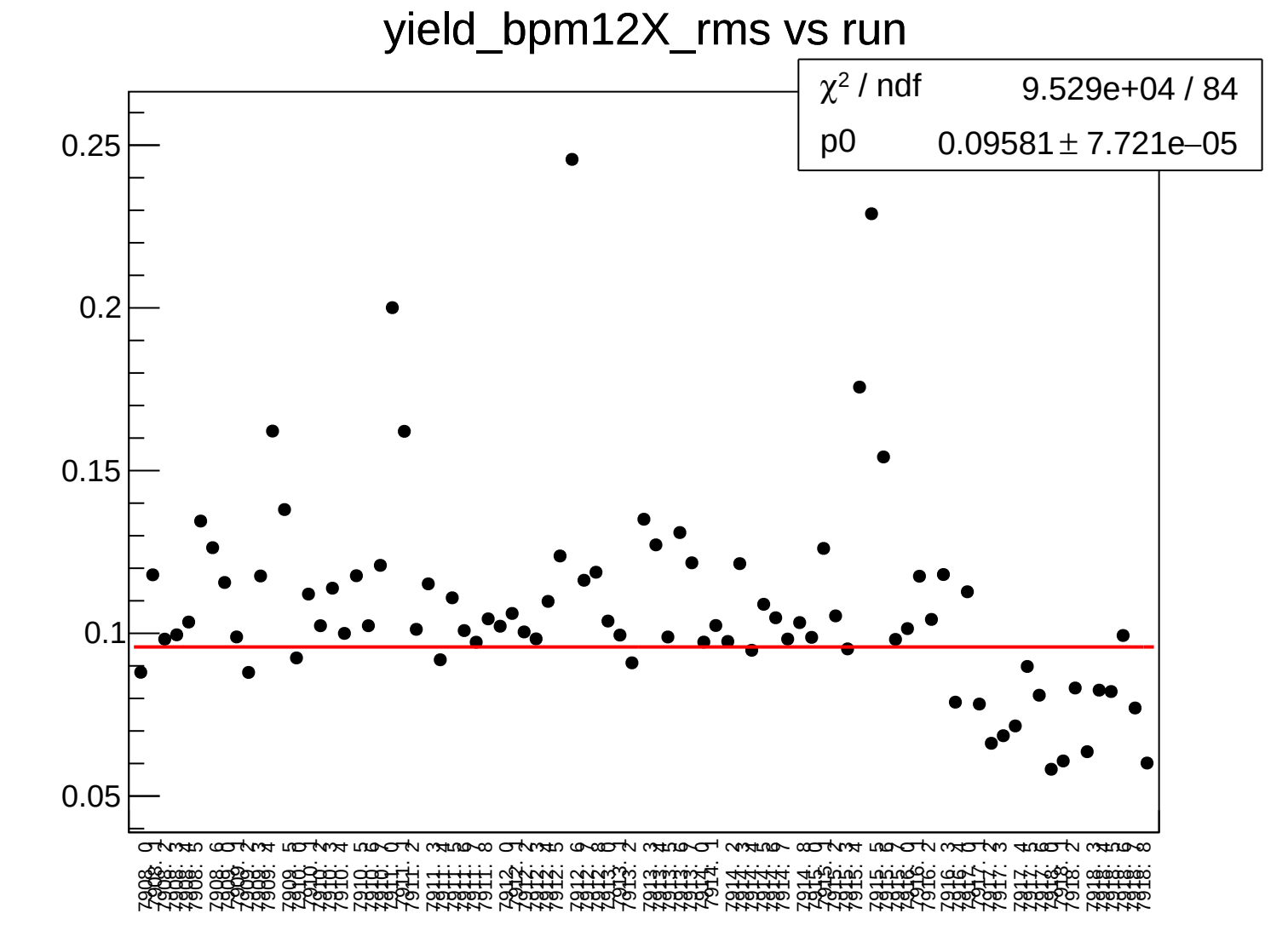

yield_bpm11Y_mean vs run
χ² / ndf 1.106e+07 / 84
p0 0.4587 ± 1.296e−05
pull
Entries 85
Mean −756
Std Dev 798.7

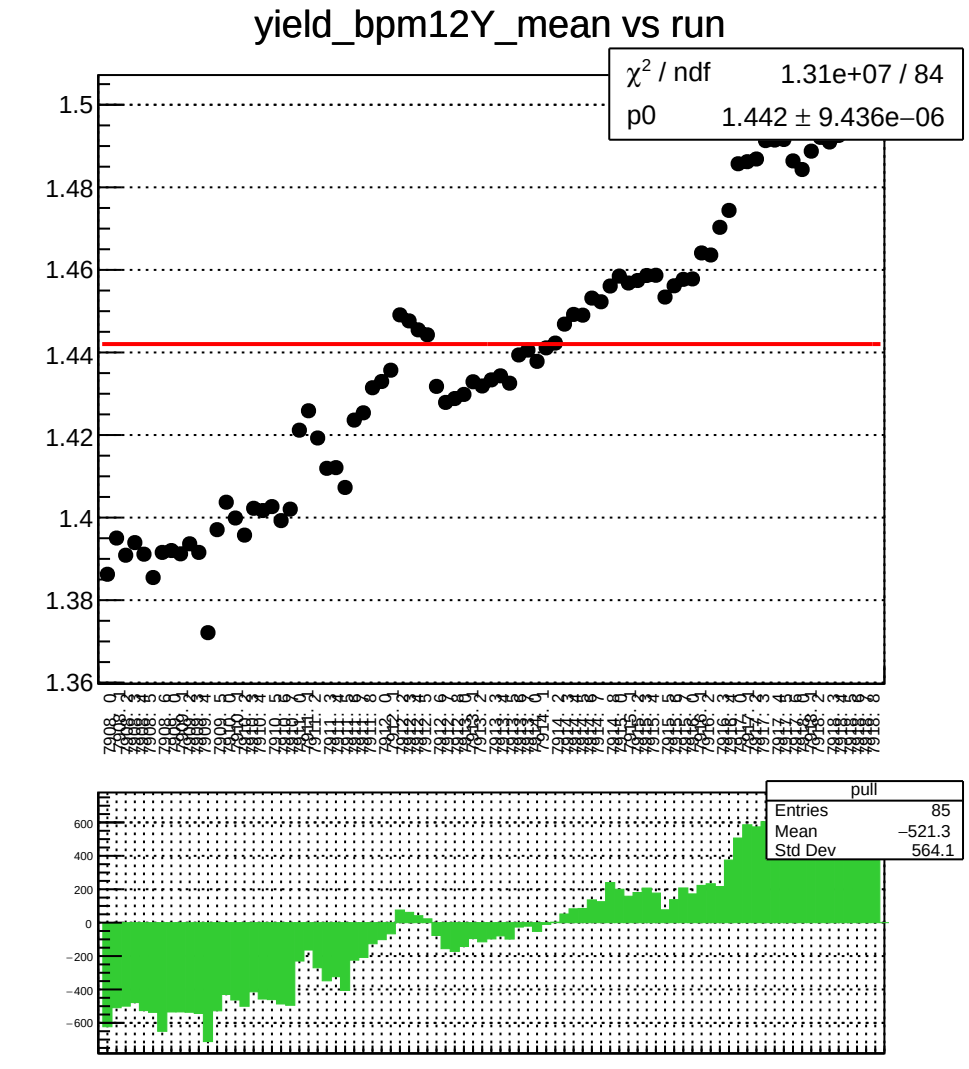

pull1D
Entries 85
Mean −4.19
Std Dev 0

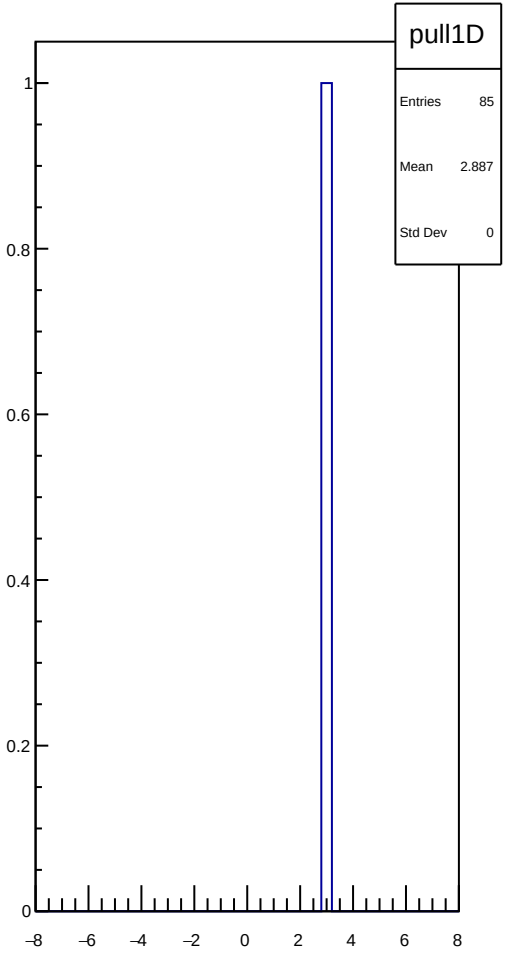

yield_bpm11Y_rms vs run
χ² / ndf 4.075e+04 / 84
p0 0.01157 ± 9.161e–06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

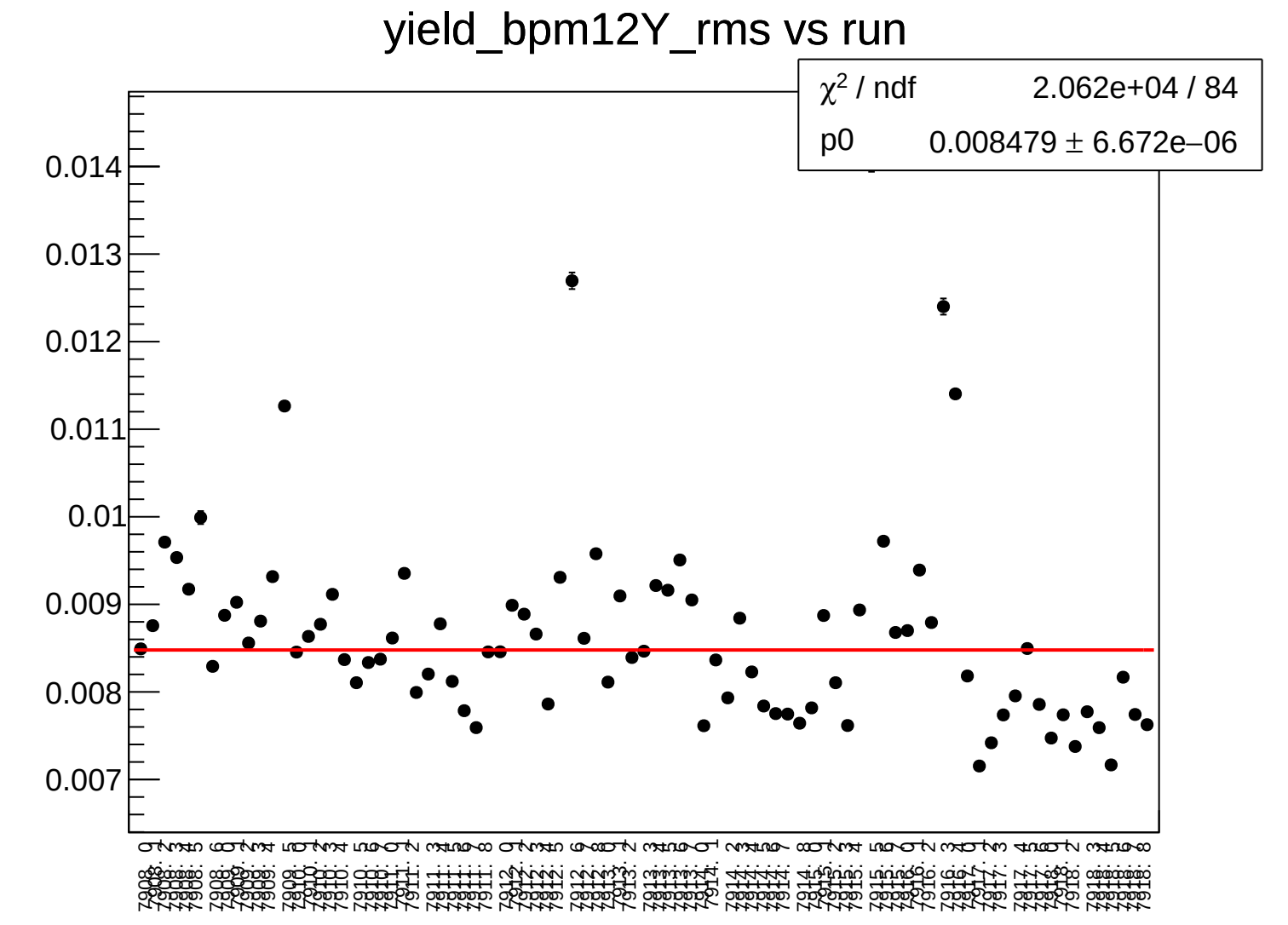

yield_bpm12X_mean vs run
χ² / ndf 6.768e+05 / 84
p0 −0.4561 ± 0.0001092
pull
Entries 85
Mean 31.8
Std Dev 77.03

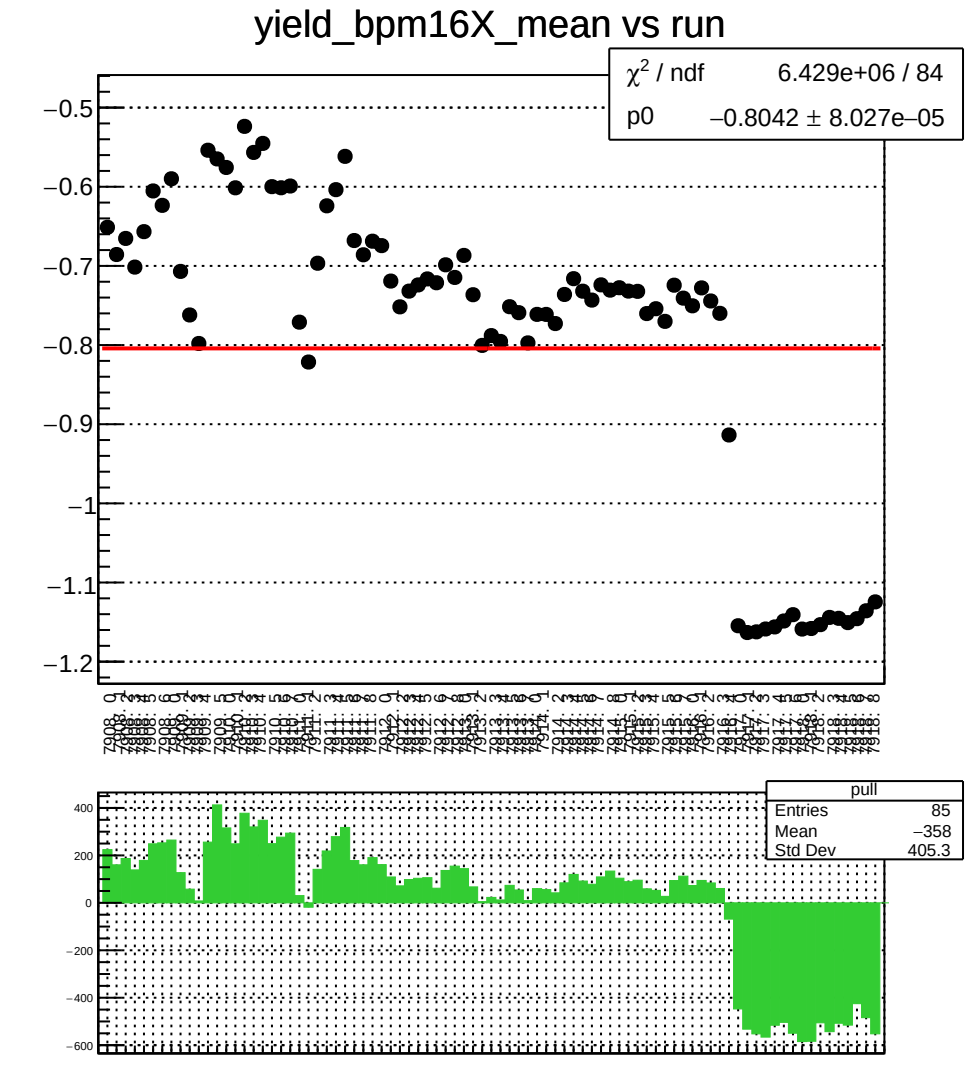

pull1D
Entries 85
Mean 0.5861
Std Dev 4.007

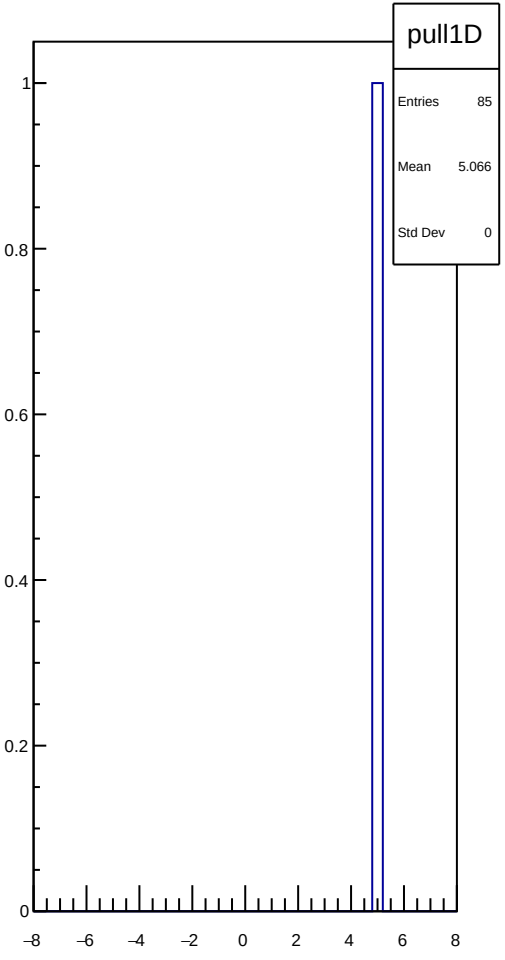

yield_bpm12X_rms vs run
χ² / ndf 9.529e+04 / 84
p0 0.09581 ± 7.721e–05
0.25
0.2
0.15
0.1
0.05

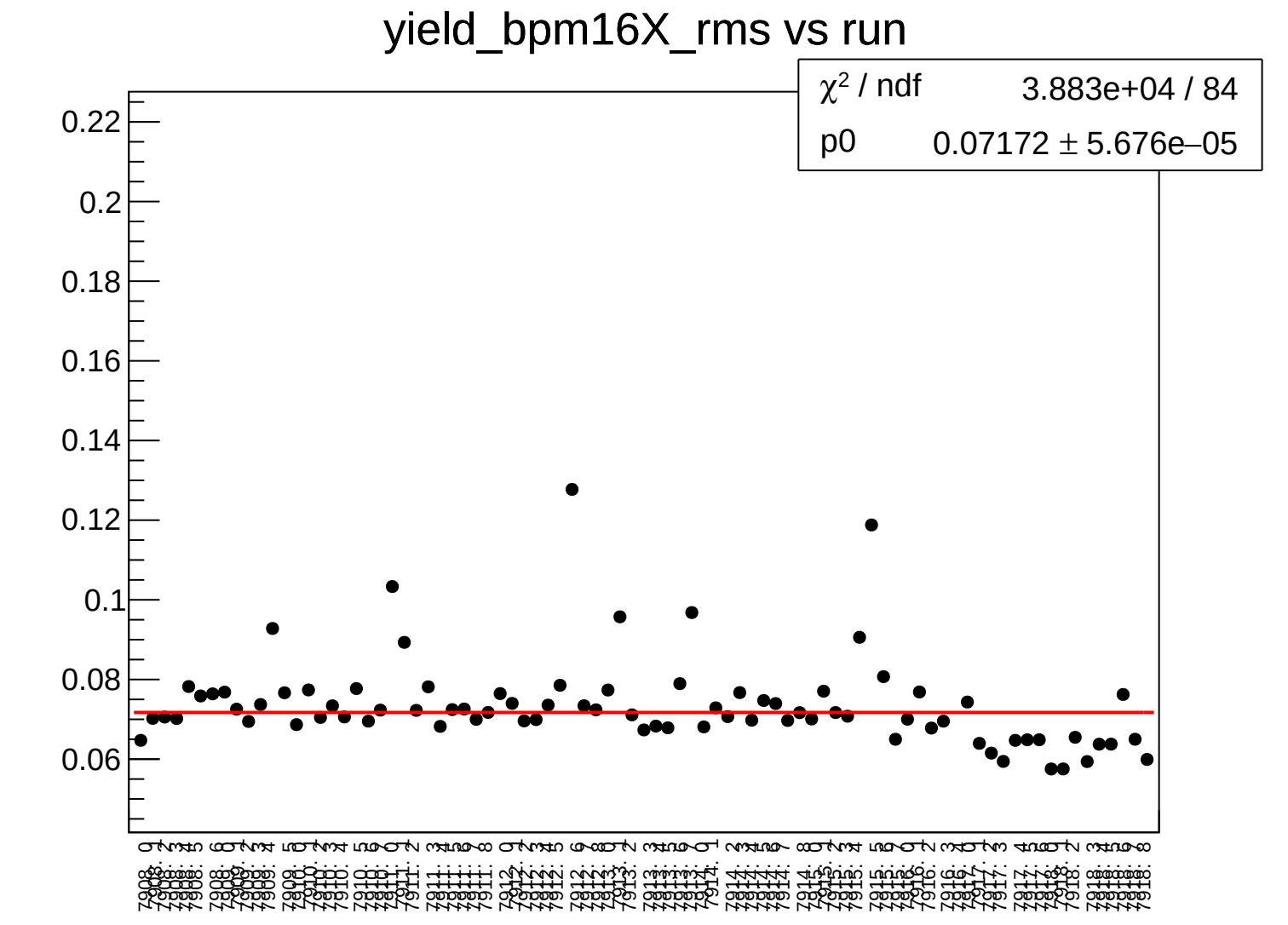

yield_bpm12Y_mean vs run
χ² / ndf 1.31e+07 / 84
p0 1.442 ± 9.436e−06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
pull
Entries 85
Mean −521.3
Std Dev 564.1
600
400
200
0
−200
−400
−600

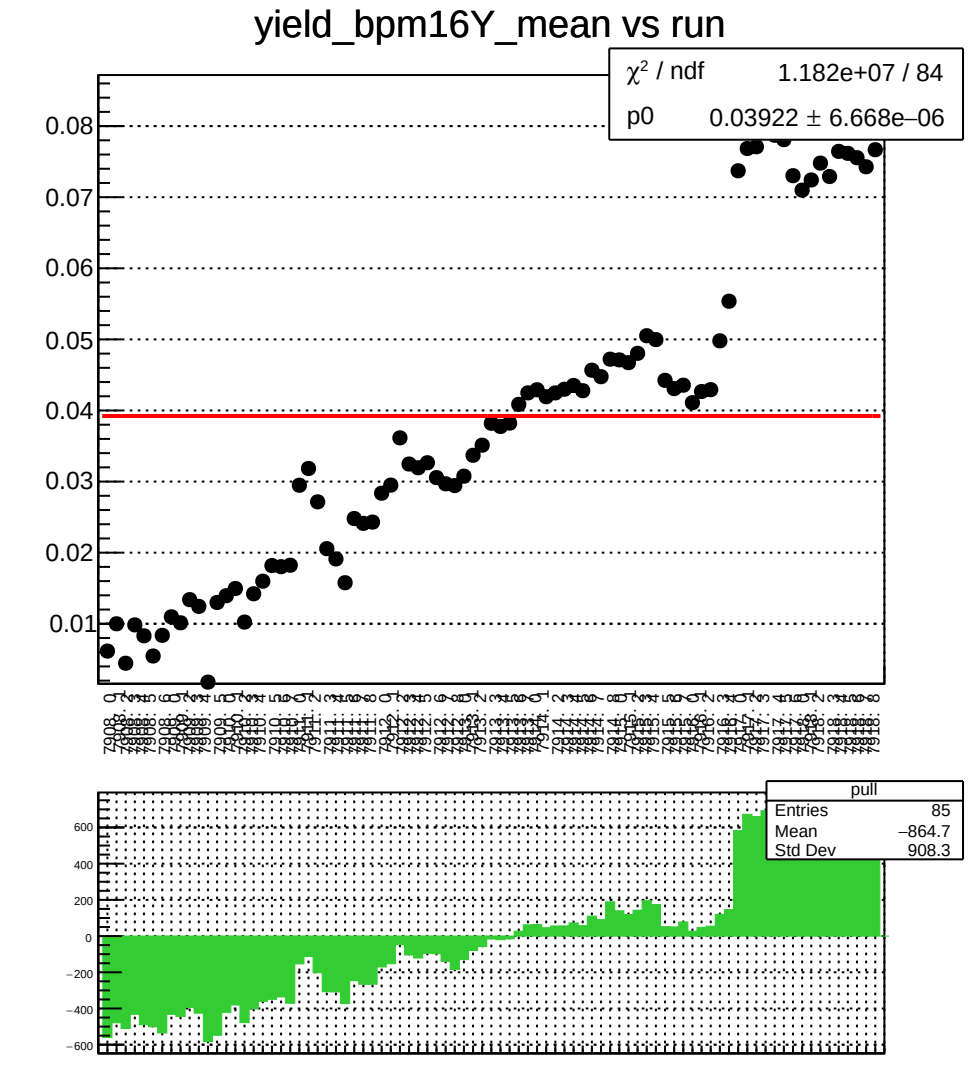

pull1D
Entries 85
Mean 2.887
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

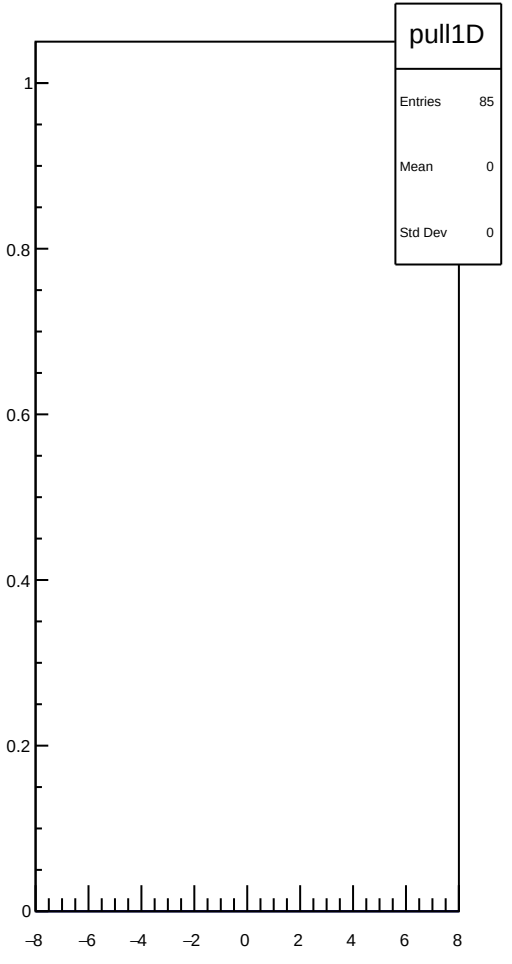

yield_bpm12Y_rms vs run
χ^2 / ndf 2.062e+04 / 84
p0 0.008479 ± 6.672e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

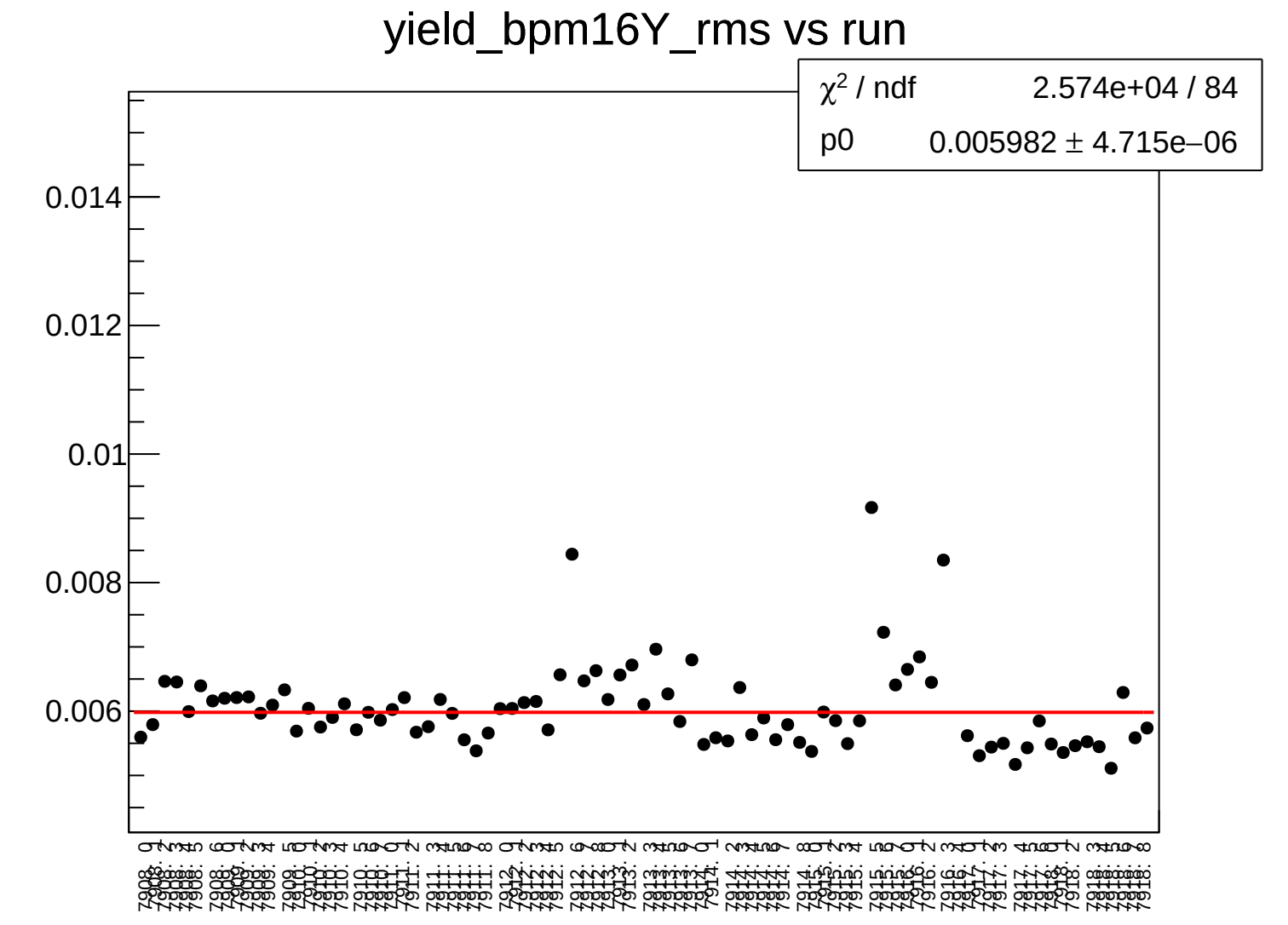

yield_bpm16X_mean vs run
χ² / ndf 6.429e+06 / 84
p0 −0.8042 ± 8.027e−05
pull
Entries 85
Mean −358
Std Dev 405.3

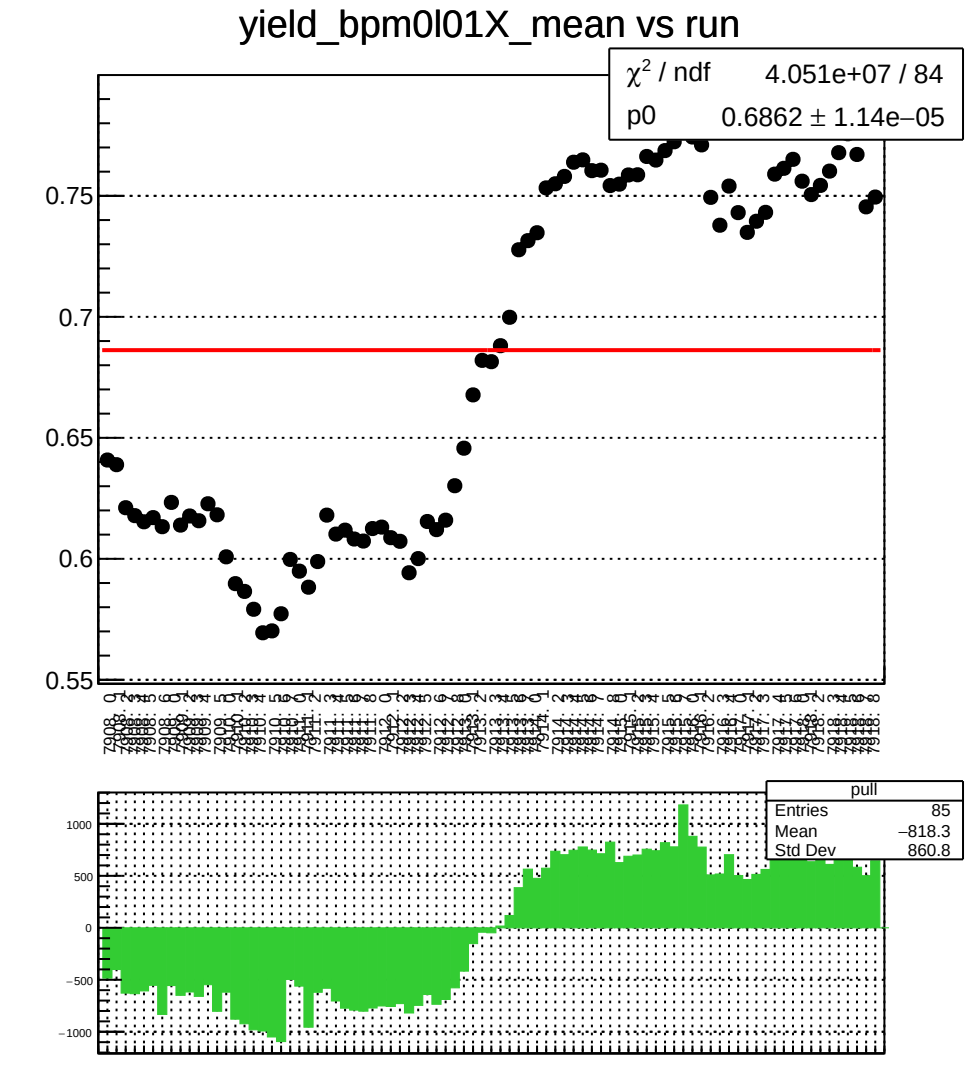

pull1D
Entries 85
Mean 5.066
Std Dev 0

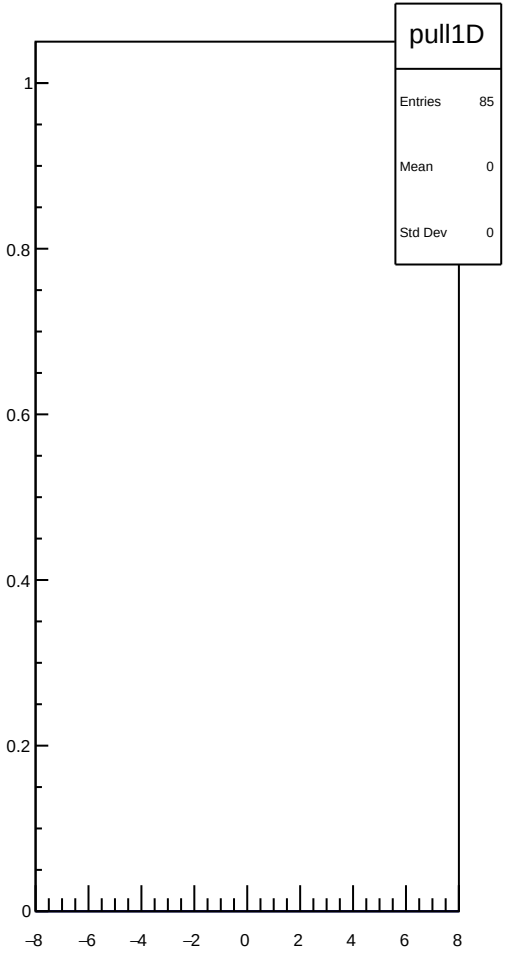

yield_bpm16X_rms vs run
χ² / ndf 3.883e+04 / 84
p0 0.07172 ± 5.676e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

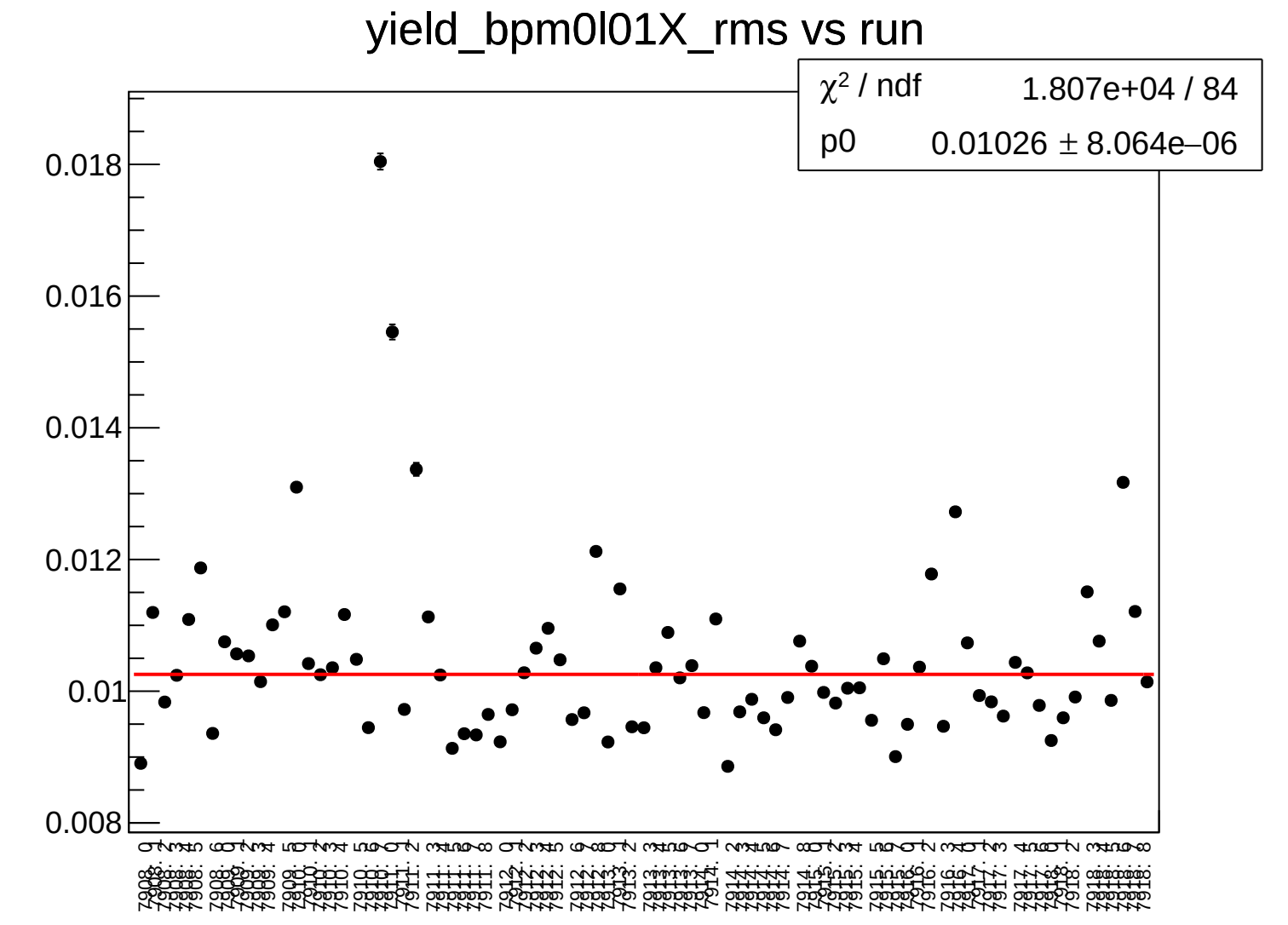

yield_bpm16Y_mean vs run
χ² / ndf 1.182e+07 / 84
p0 0.03922 ± 6.668e–06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
pull
Entries 85
Mean –864.7
Std Dev 908.3
600
400
200
0
–200
–400
–600

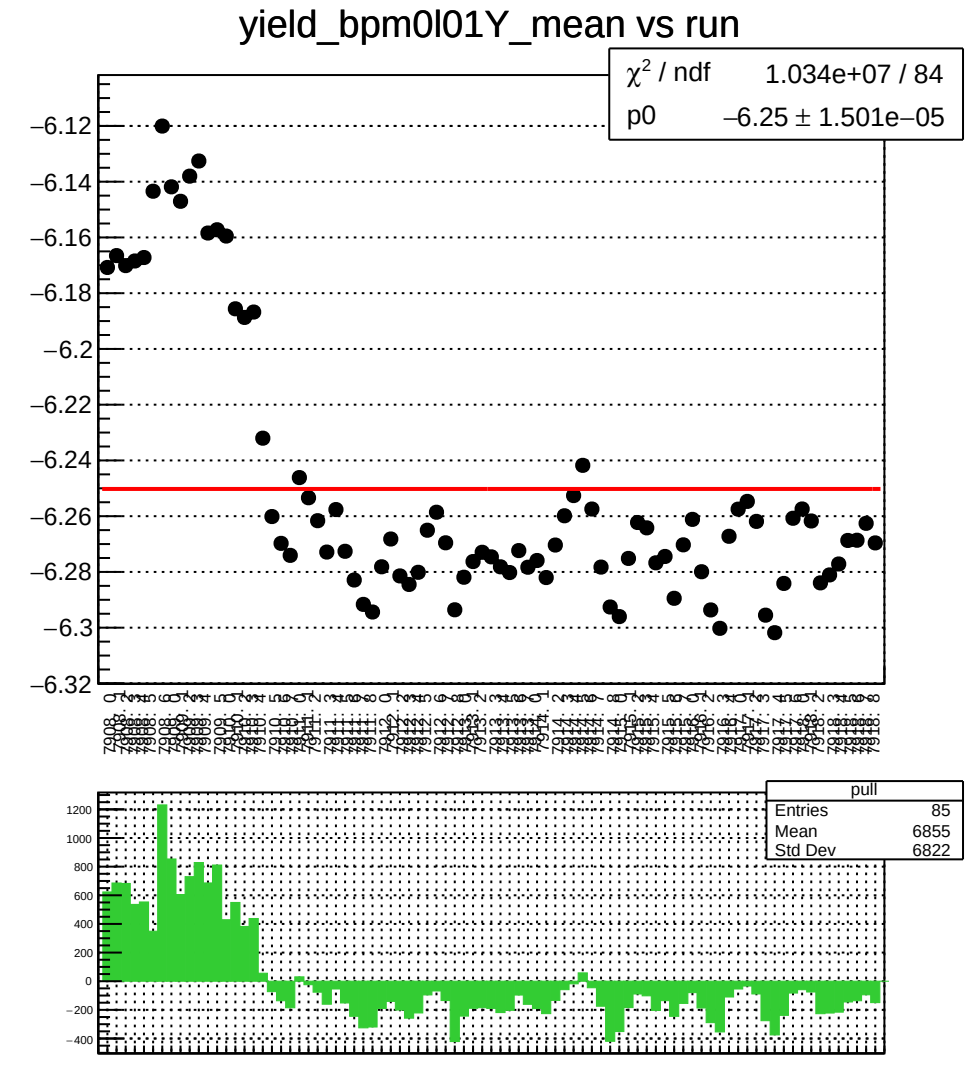

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

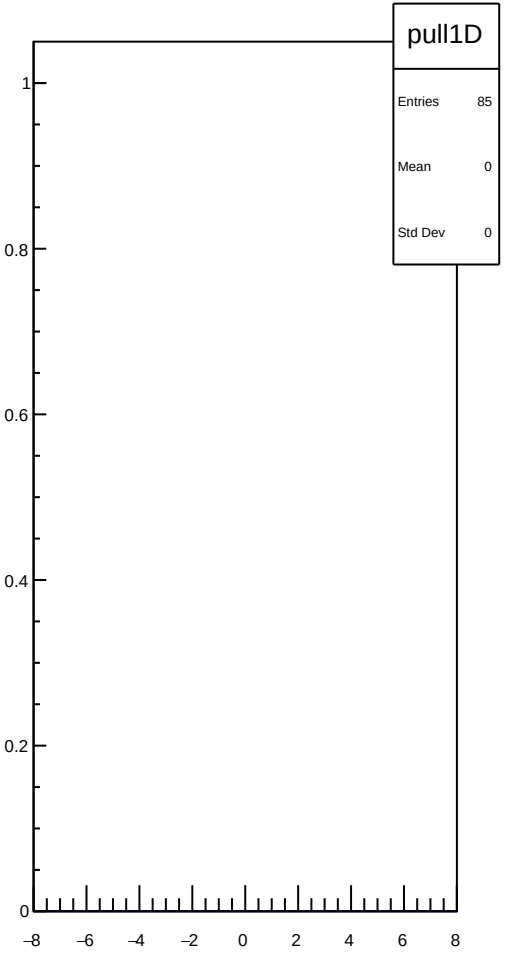

yield_bpm16Y_rms vs run
χ² / ndf 2.574e+04 / 84
p0 0.005982 ± 4.715e−06
0.014
0.012
0.01
0.008
0.006

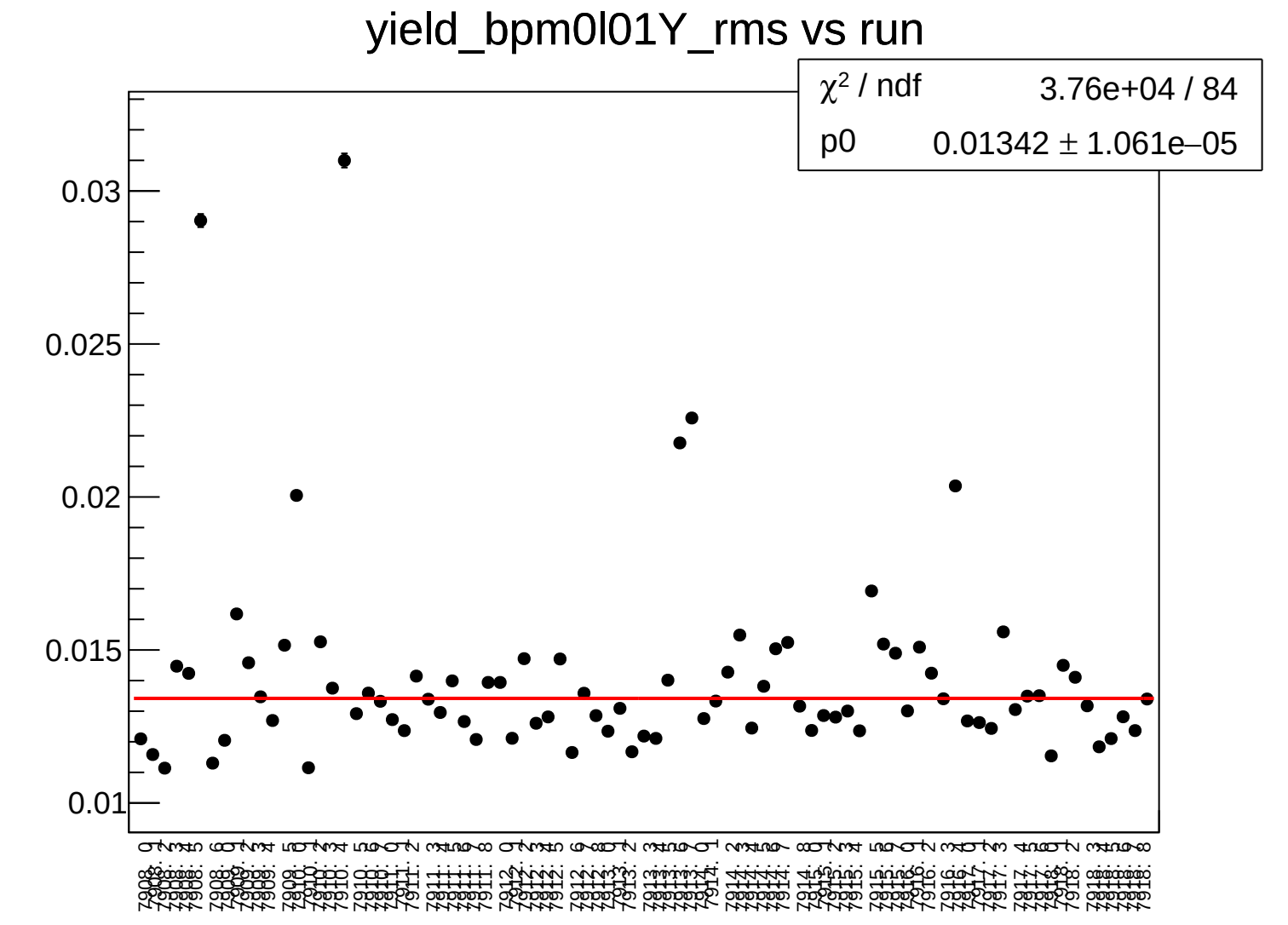

yield_bpm0l01X_mean vs run
χ² / ndf 4.051e+07 / 84
p0 0.6862 ± 1.14e−05
0.75
0.7
0.65
0.6
0.55
pull
Entries 85
Mean −818.3
Std Dev 860.8
1000
500
0
−500
−1000

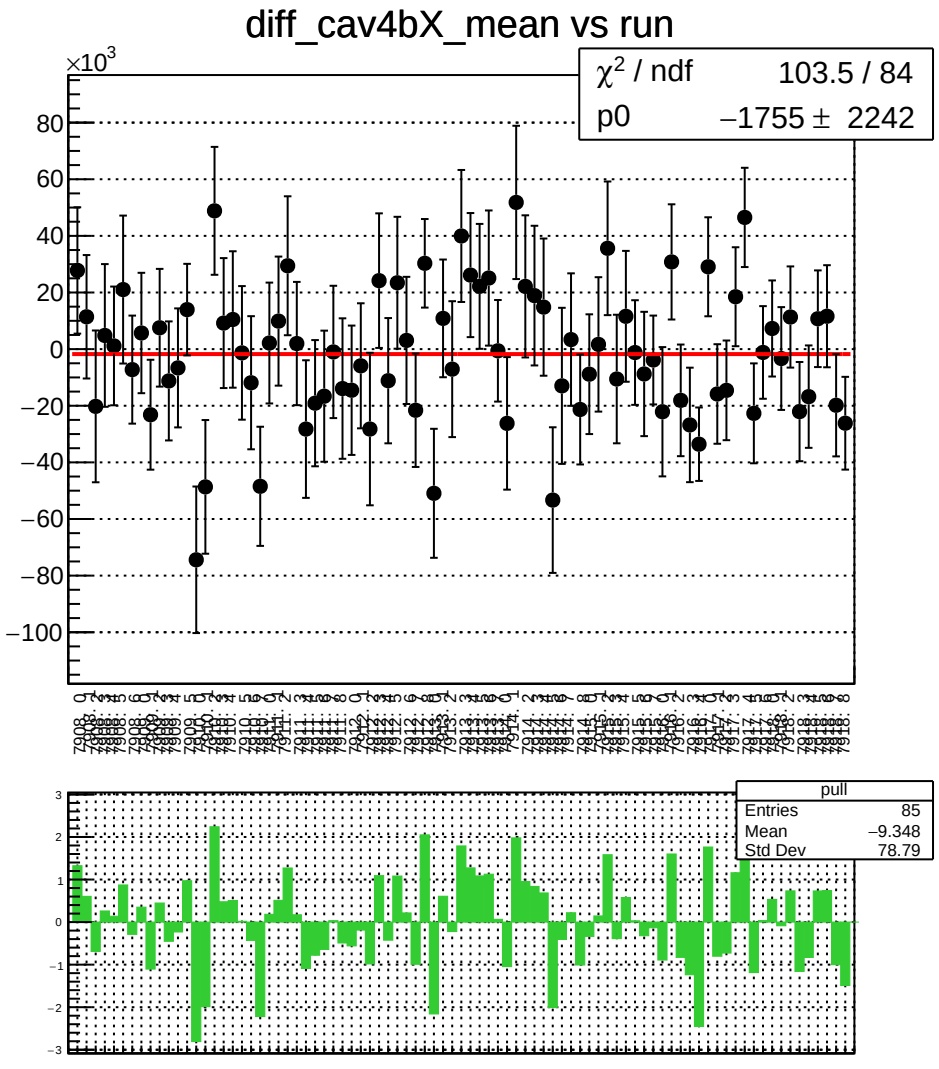

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

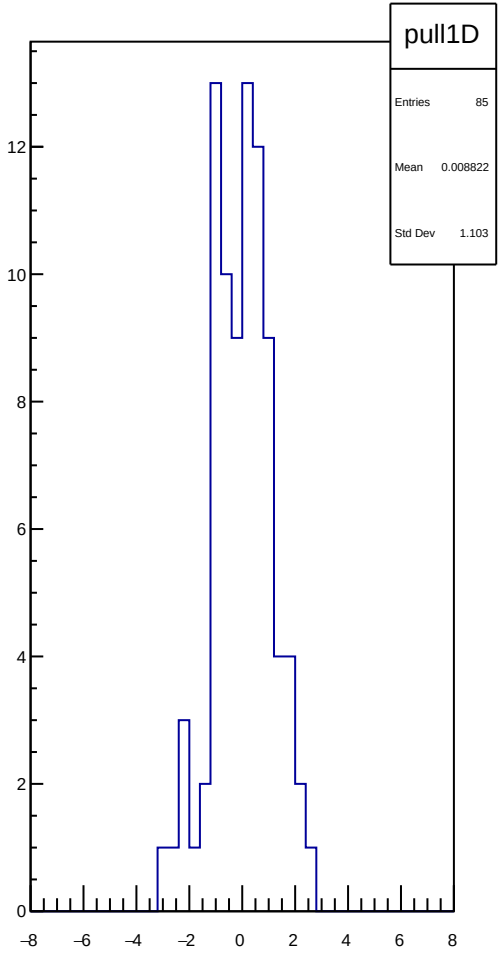

yield_bpm0l01X_rms vs run
χ² / ndf 1.807e+04 / 84
p0 0.01026 ± 8.064e–06
0.018
0.016
0.014
0.012
0.01
0.008

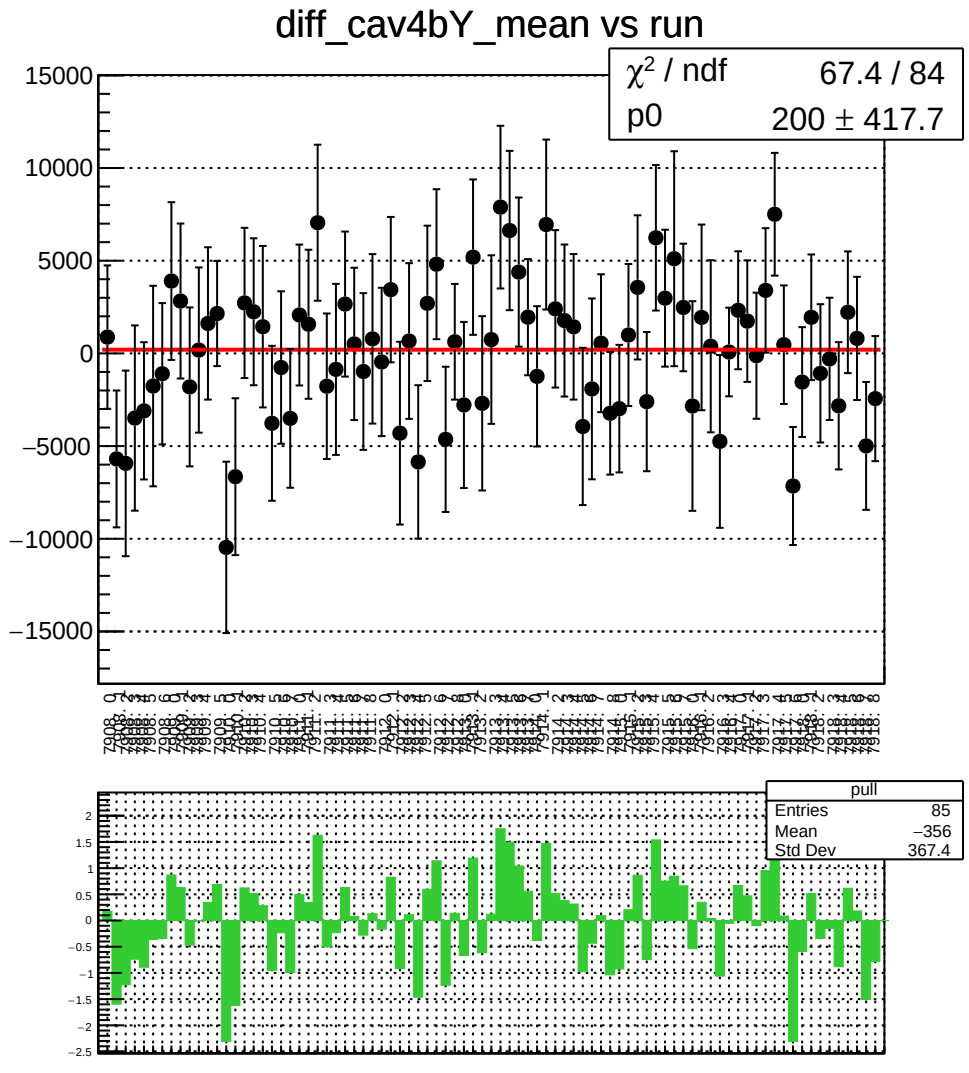

yield_bpm0l01Y_mean vs run
χ² / ndf 1.034e+07 / 84
p0 −6.25 ± 1.501e−05
−6.12
−6.14
−6.16
−6.18
−6.2
−6.22
−6.24
−6.26
−6.28
−6.3
−6.32
pull
Entries 85
Mean 6855
Std Dev 6822
1200
1000
800
600
400
200
0
−200
−400

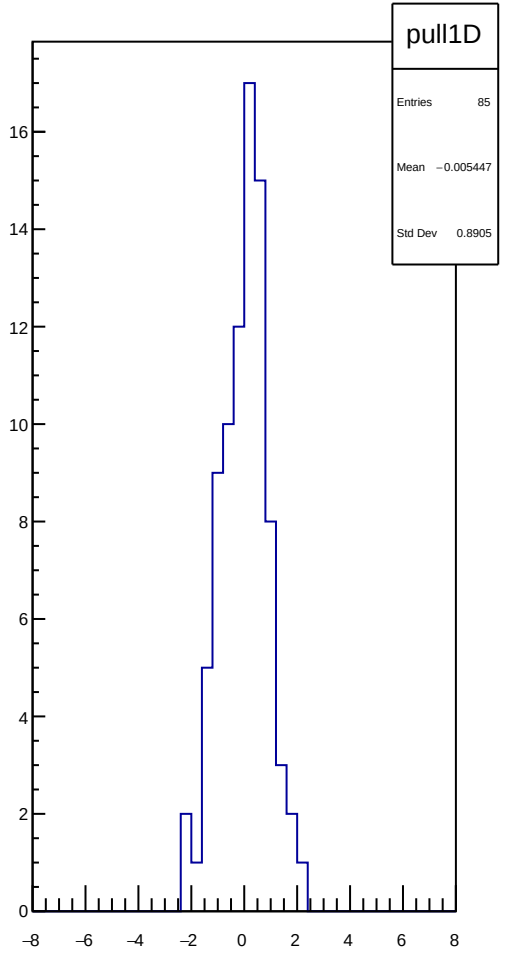

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

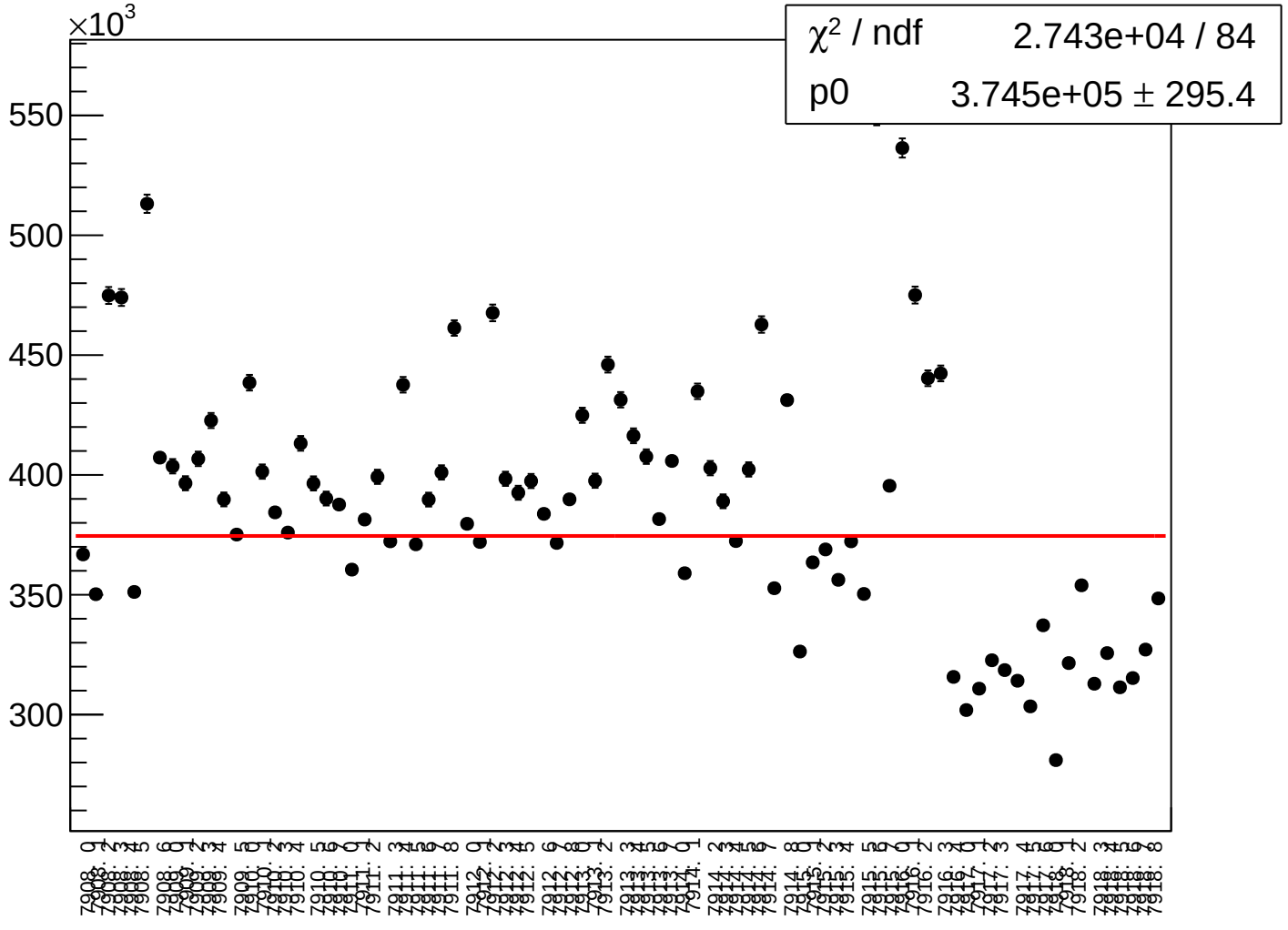

yield_bpm0l01Y_rms vs run
χ² / ndf 3.76e+04 / 84
p0 0.01342 ± 1.061e−05
0.03
0.025
0.02
0.015
0.01

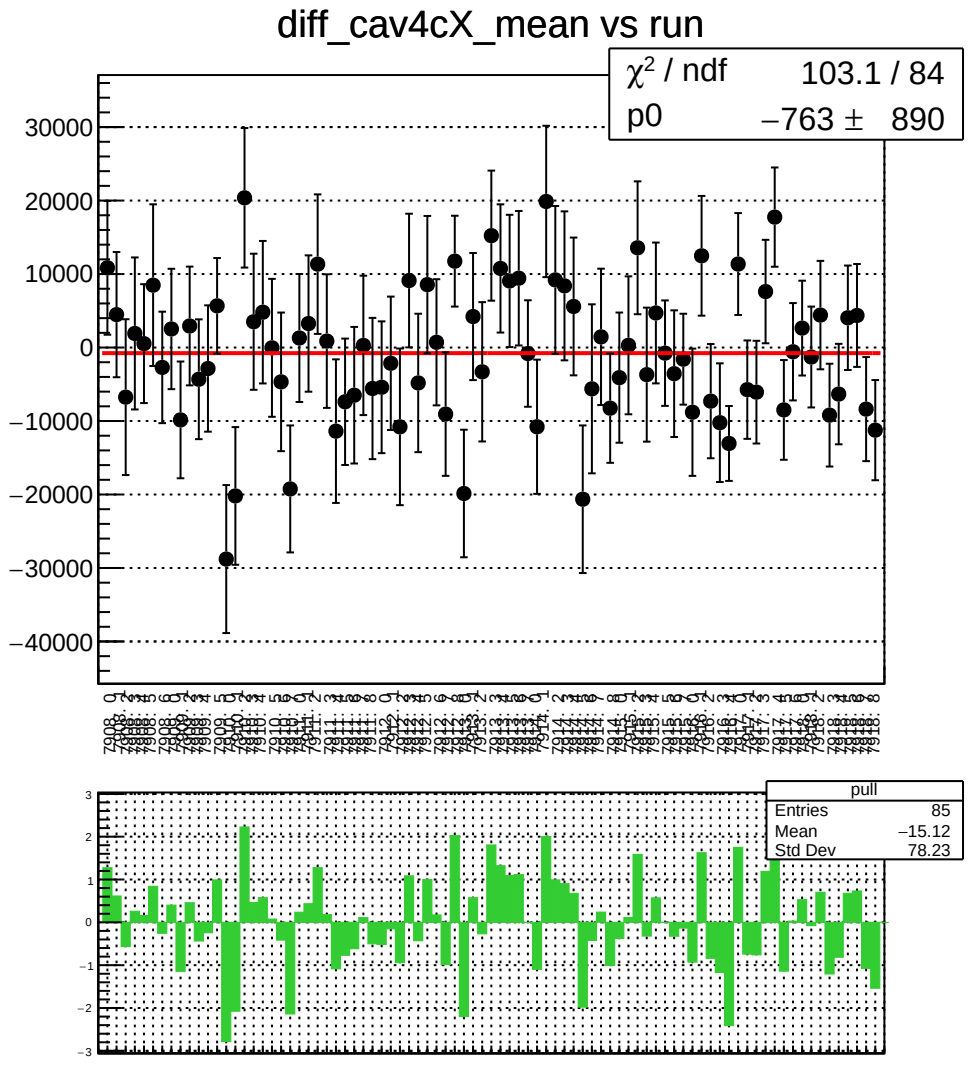

diff_cav4bX_mean vs run
×10^3
χ² / ndf 103.5 / 84
p0 −1755 ± 2242
pull
Entries 85
Mean −9.348
Std Dev 78.79

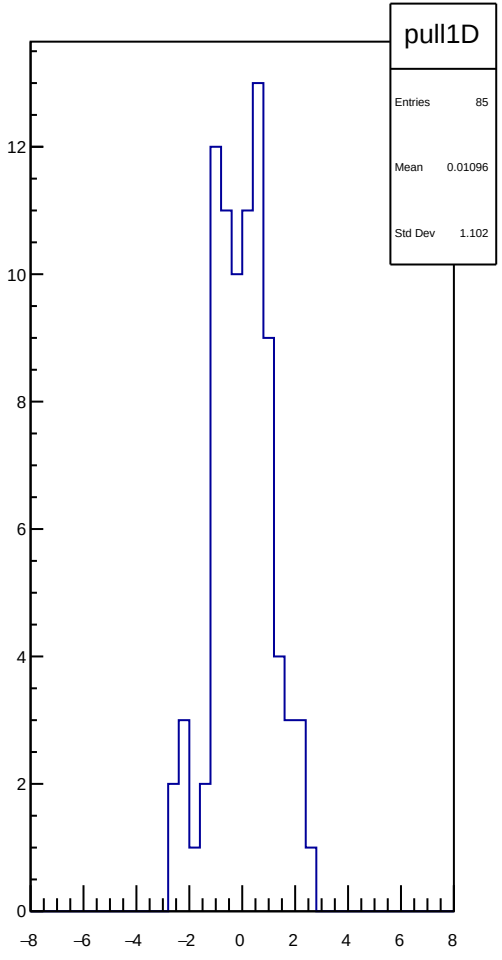

pull1D
Entries 85
Mean 0.008822
Std Dev 1.103

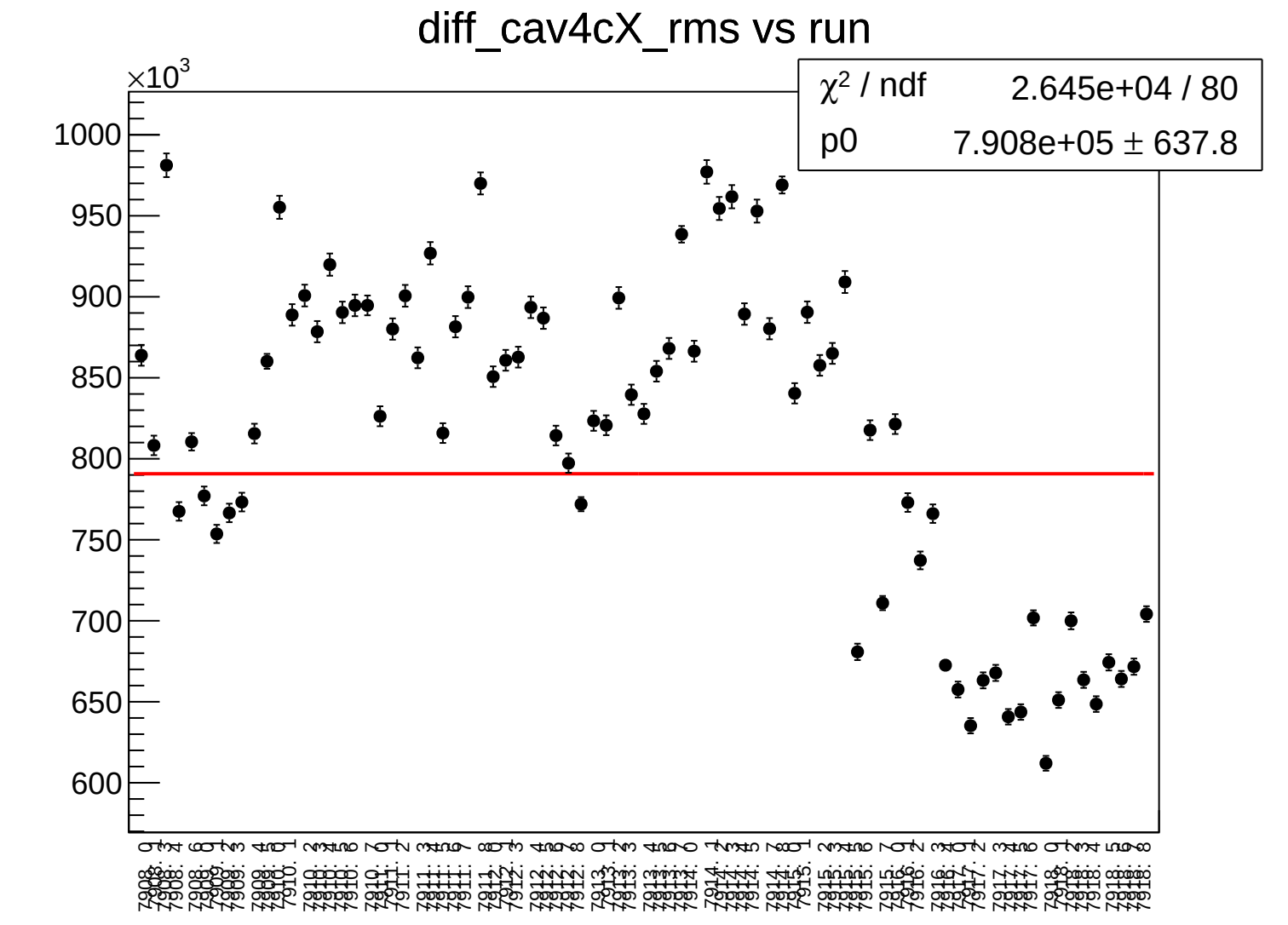

diff_cav4bY_mean vs run
χ² / ndf 67.4 / 84
p0 200 ± 417.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −356
Std Dev 367.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

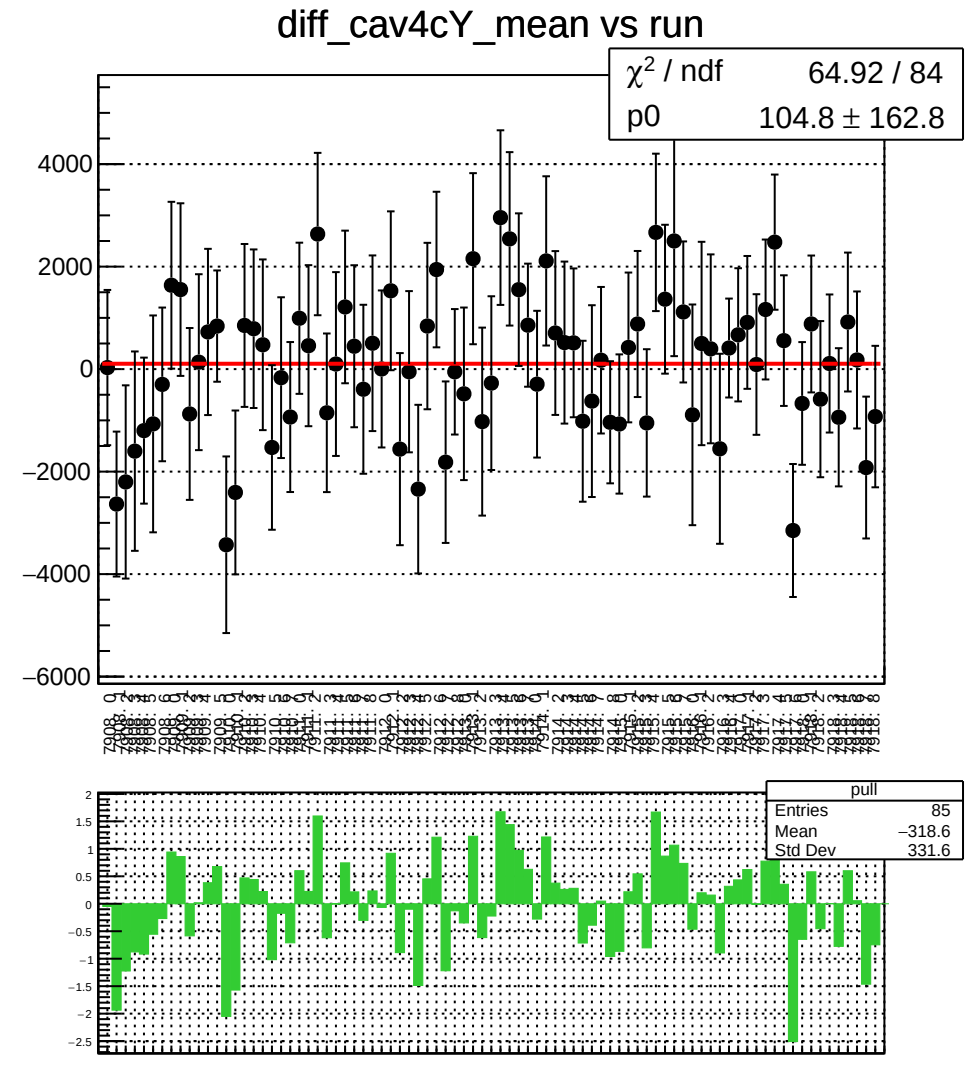

pull1D
Entries 85
Mean −0.005447
Std Dev 0.8905
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

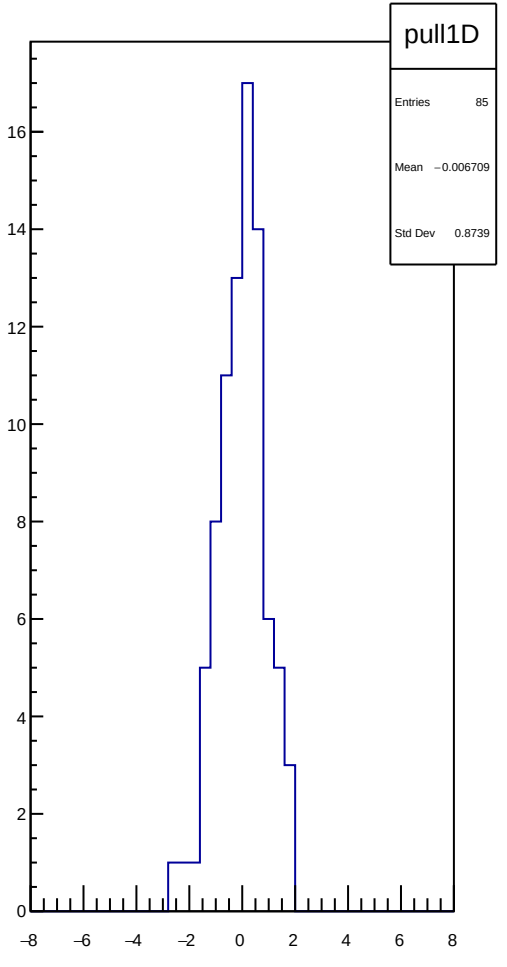

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 2.743e+04 / 84
p0 3.745e+05 ± 295.4
550
500
450
400
350
300

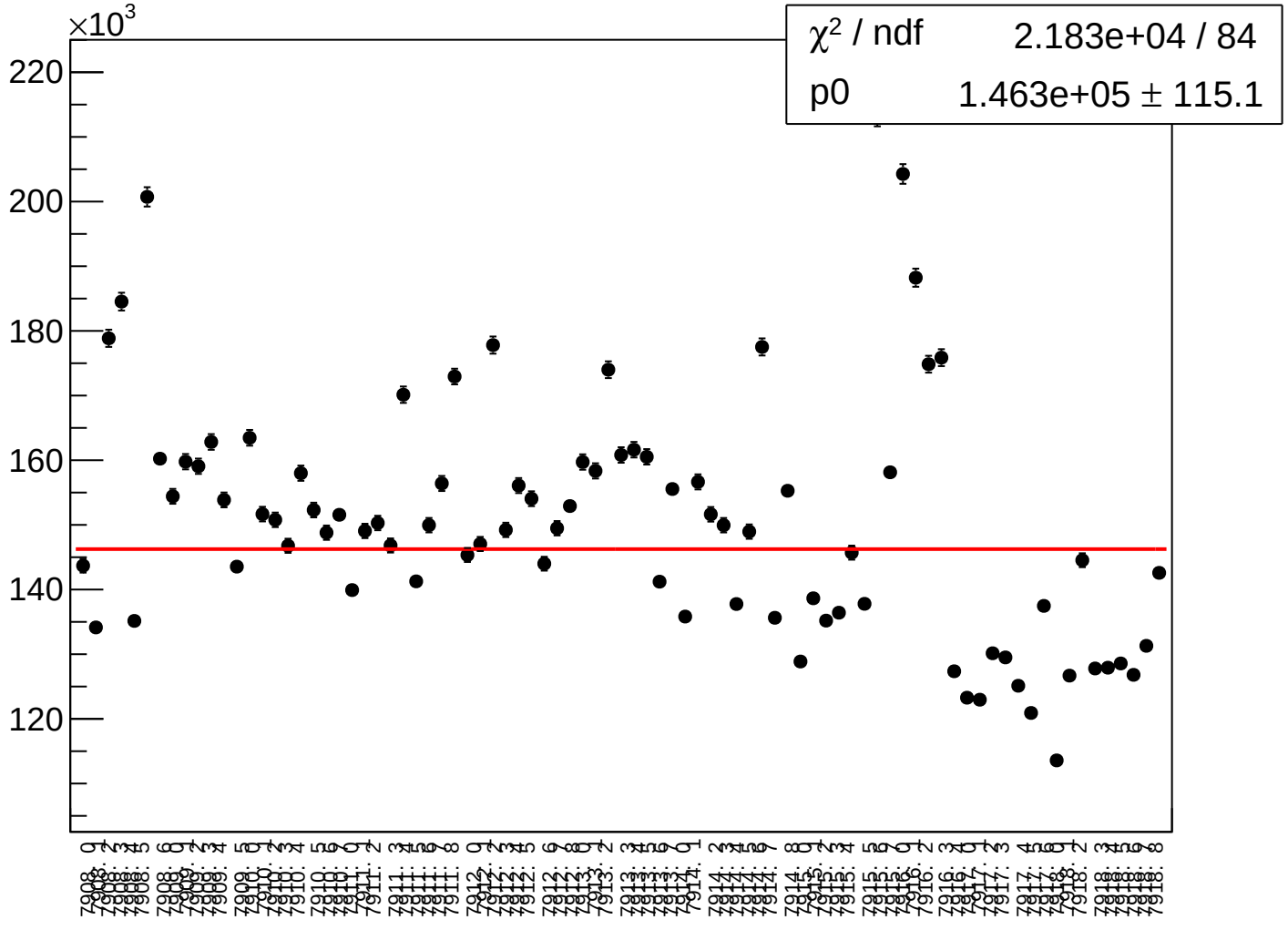

diff_cav4cX_mean vs run
χ² / ndf 103.1 / 84
p0 −763 ± 890
pull
Entries 85
Mean −15.12
Std Dev 78.23

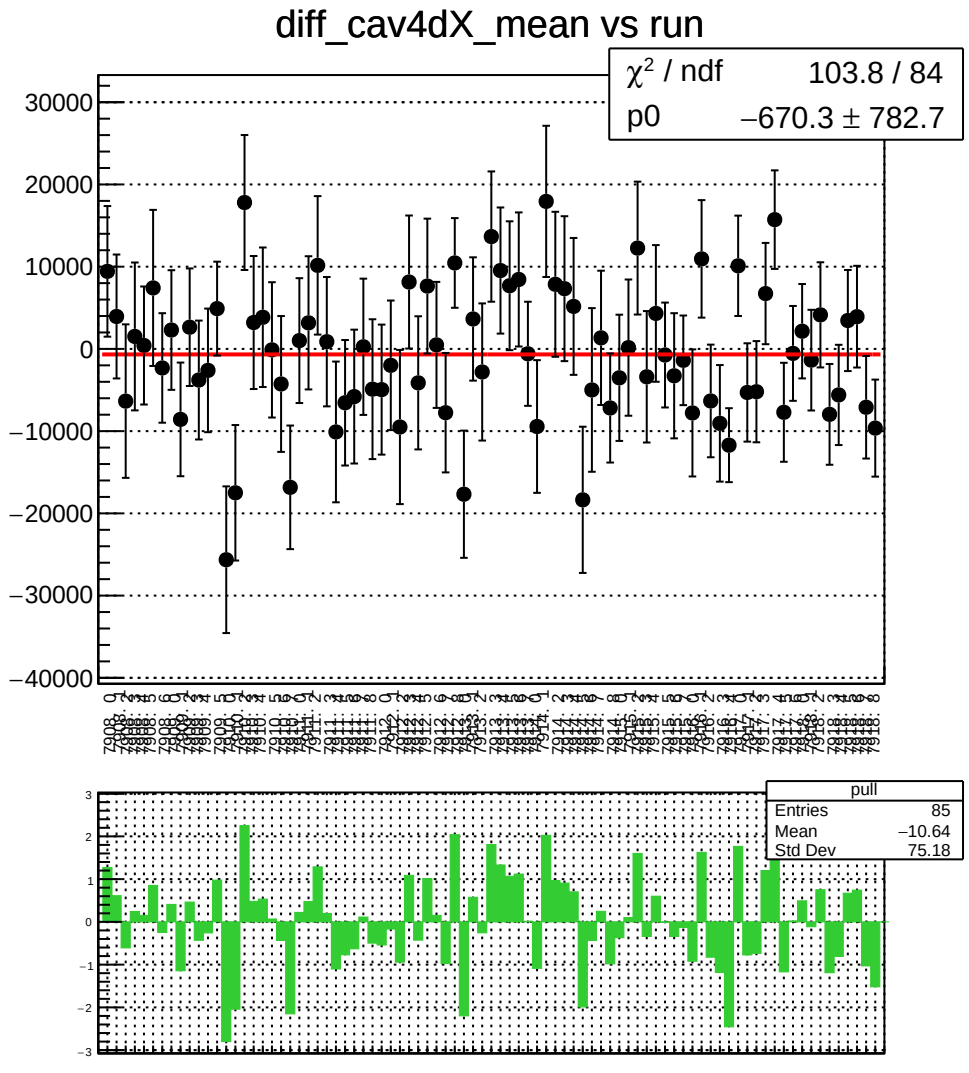

pull1D
Entries 85
Mean 0.01096
Std Dev 1.102

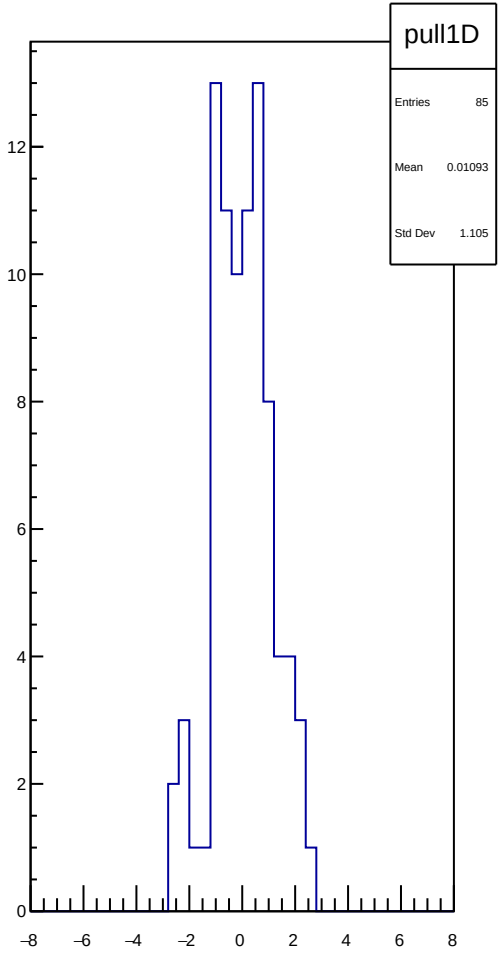

diff_cav4cX_rms vs run
×10^3
1000
950
900
850
800
750
700
650
600
χ² / ndf 2.645e+04 / 80
p0 7.908e+05 ± 637.8

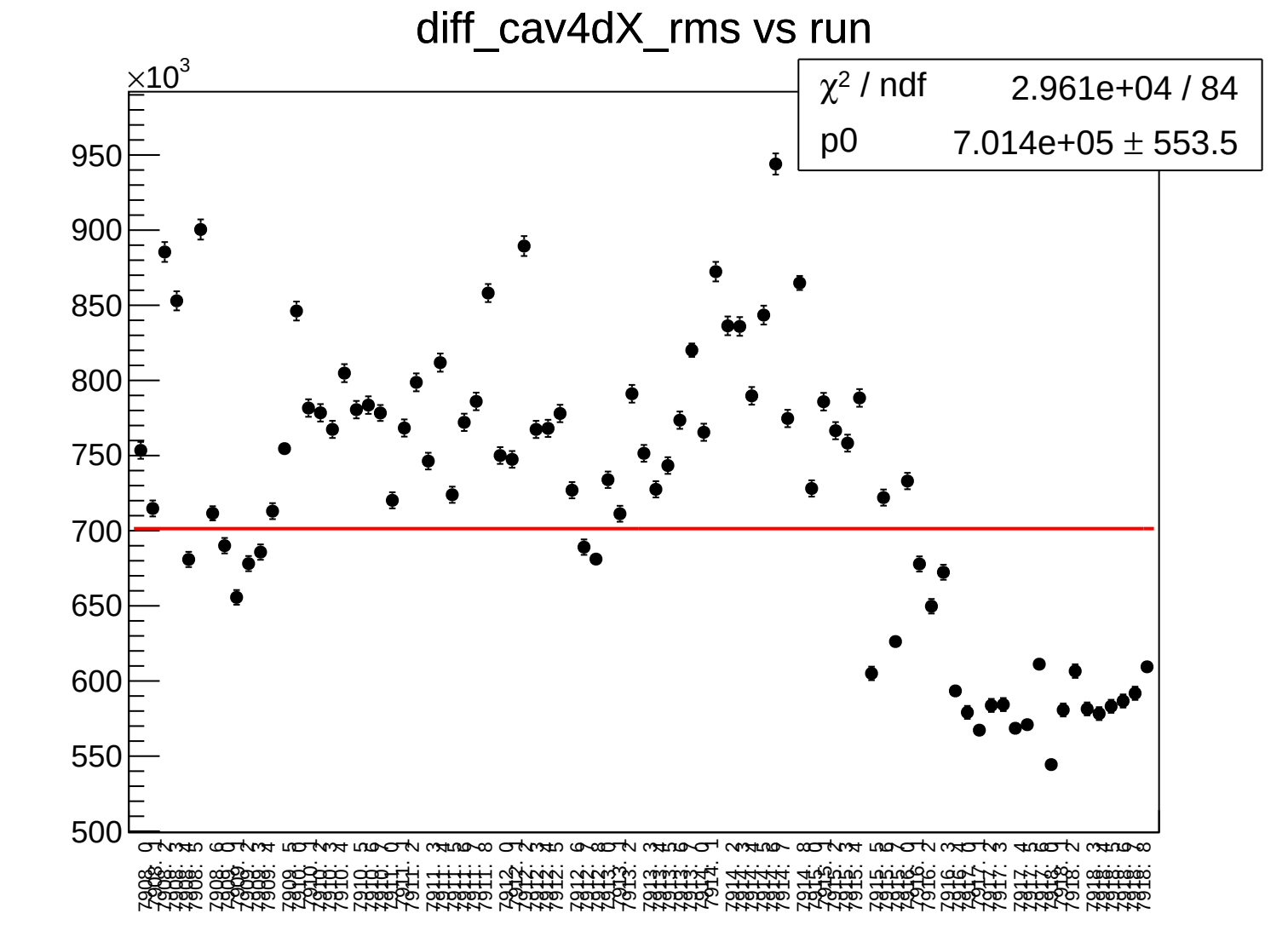

diff_cav4cY_mean vs run
χ² / ndf 64.92 / 84
p0 104.8 ± 162.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −318.6
Std Dev 331.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

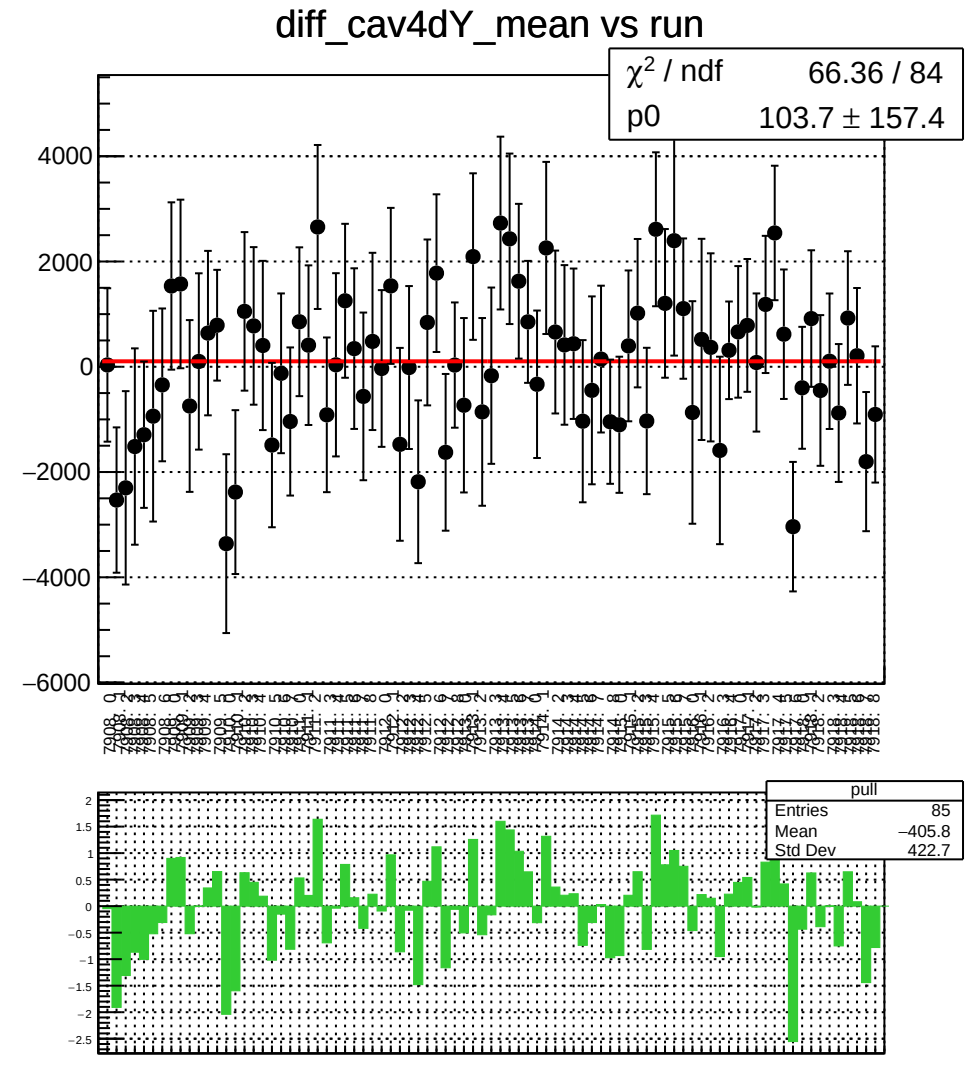

pull1D
Entries 85
Mean −0.006709
Std Dev 0.8739
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

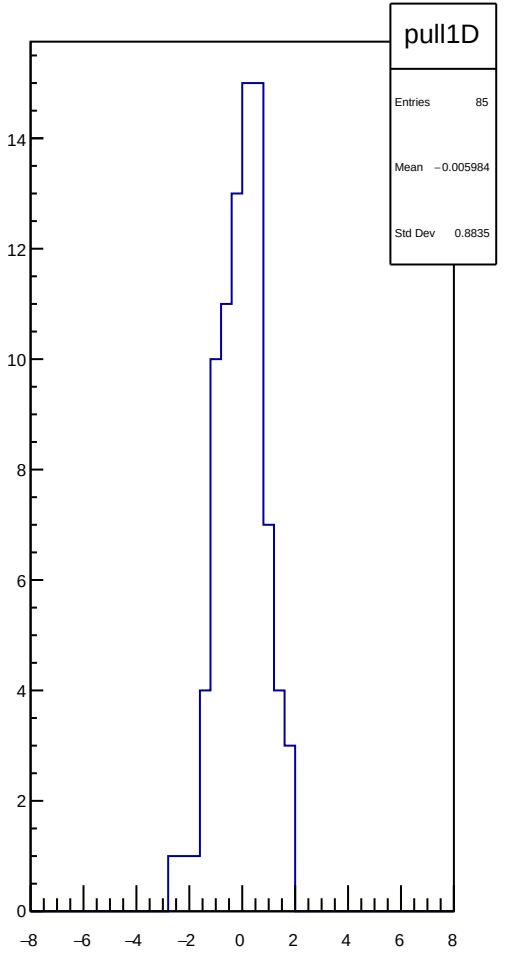

diff_cav4cY_rms vs run
×10^3
220
200
180
160
140
120
χ² / ndf 2.183e+04 / 84
p0 1.463e+05 ± 115.1

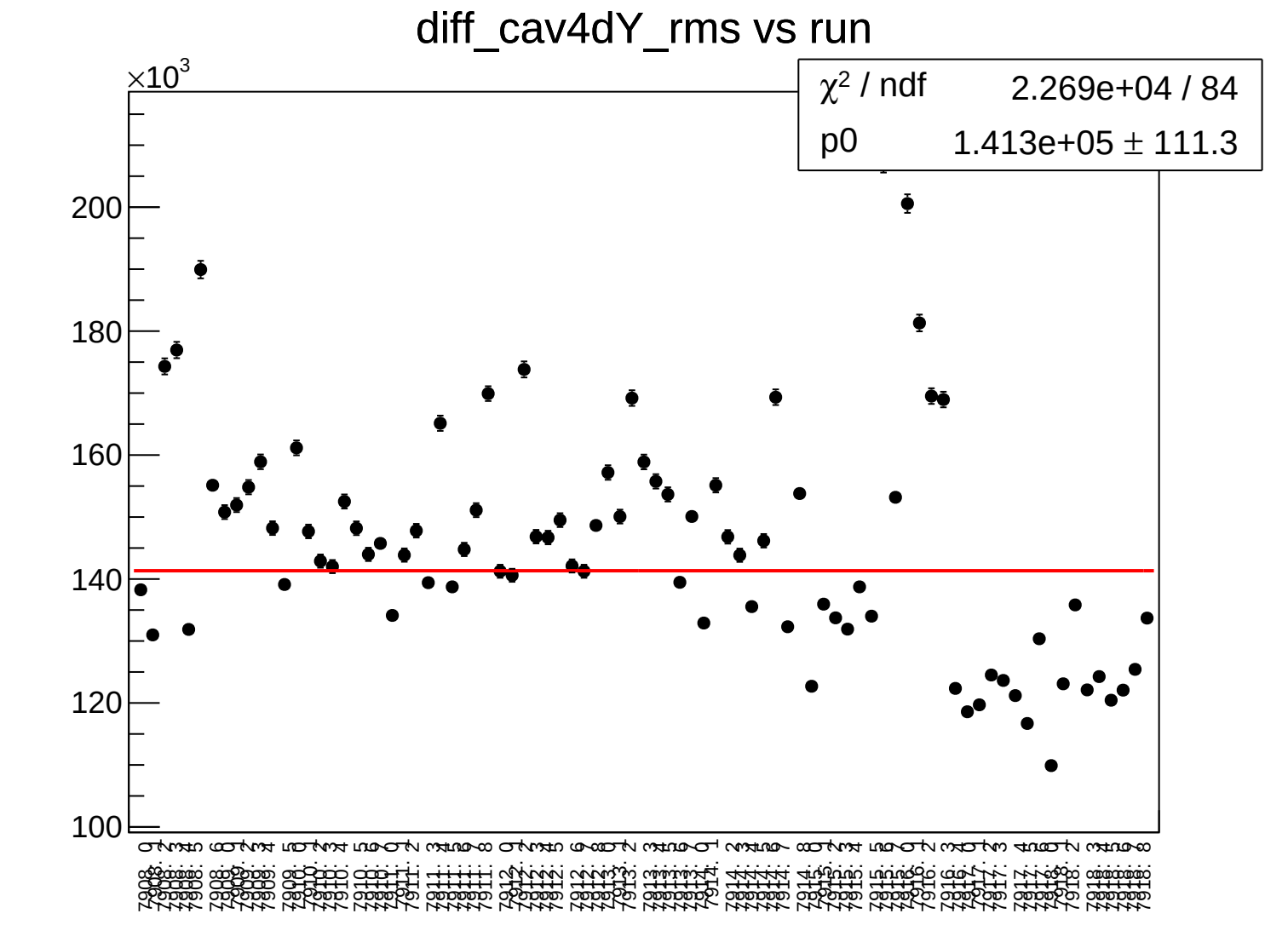

diff_cav4dX_mean vs run
χ² / ndf 103.8 / 84
p0 −670.3 ± 782.7
pull
Entries 85
Mean −10.64
Std Dev 75.18

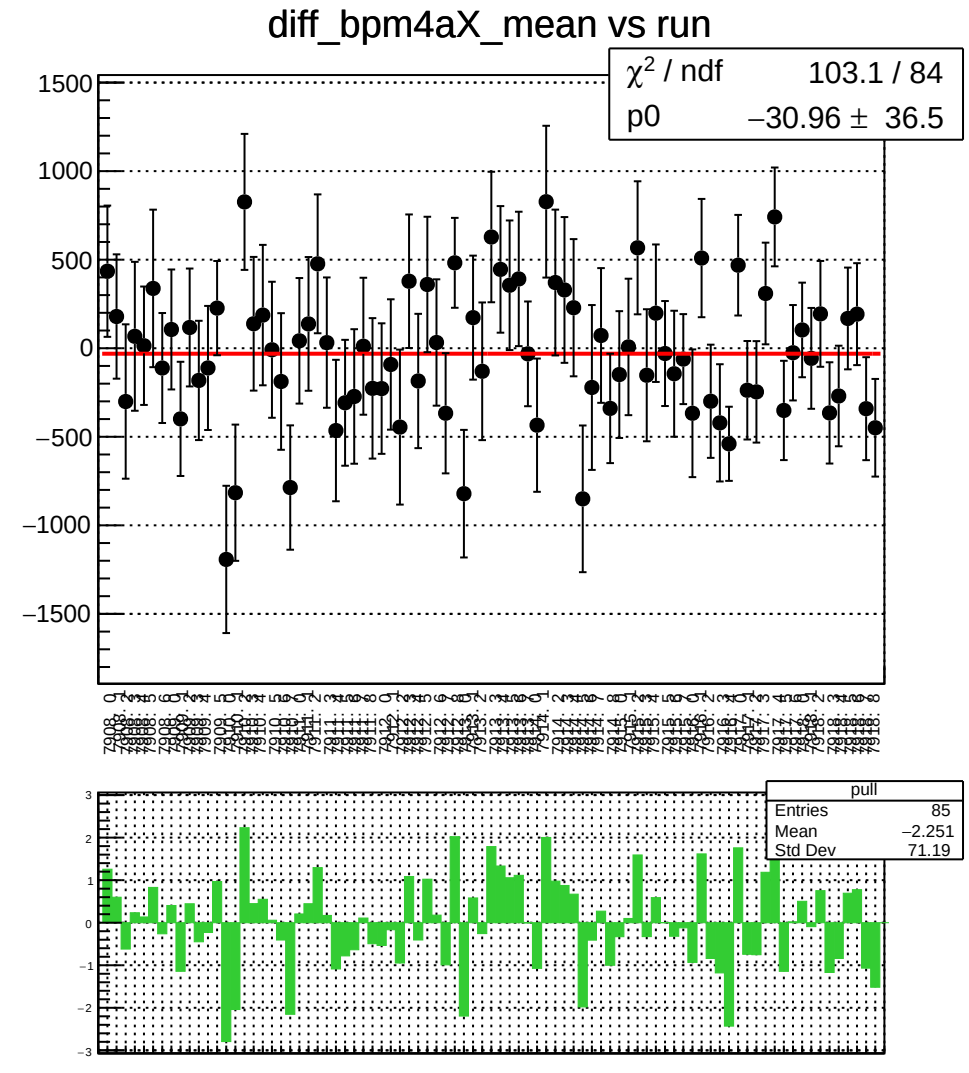

pull1D
Entries 85
Mean 0.01093
Std Dev 1.105

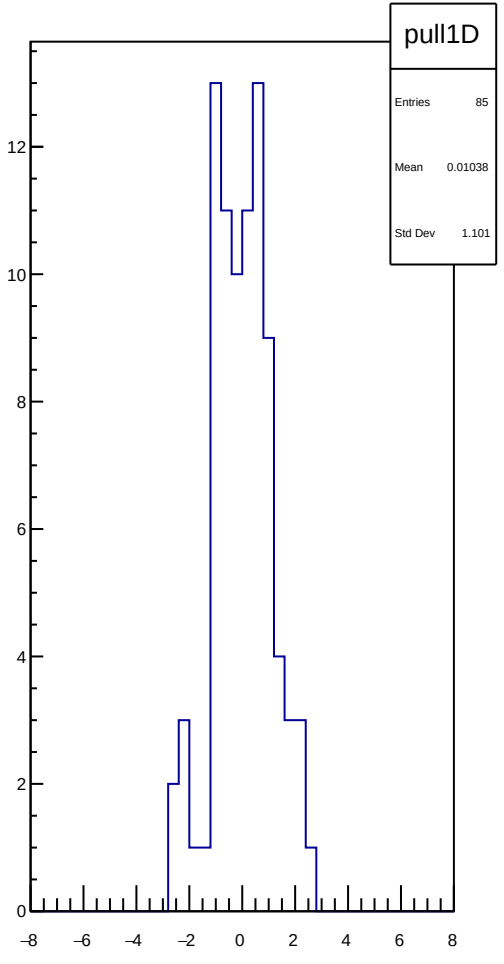

diff_cav4dX_rms vs run
×10^3
χ² / ndf 2.961e+04 / 84
p0 7.014e+05 ± 553.5
950
900
850
800
750
700
650
600
550
500

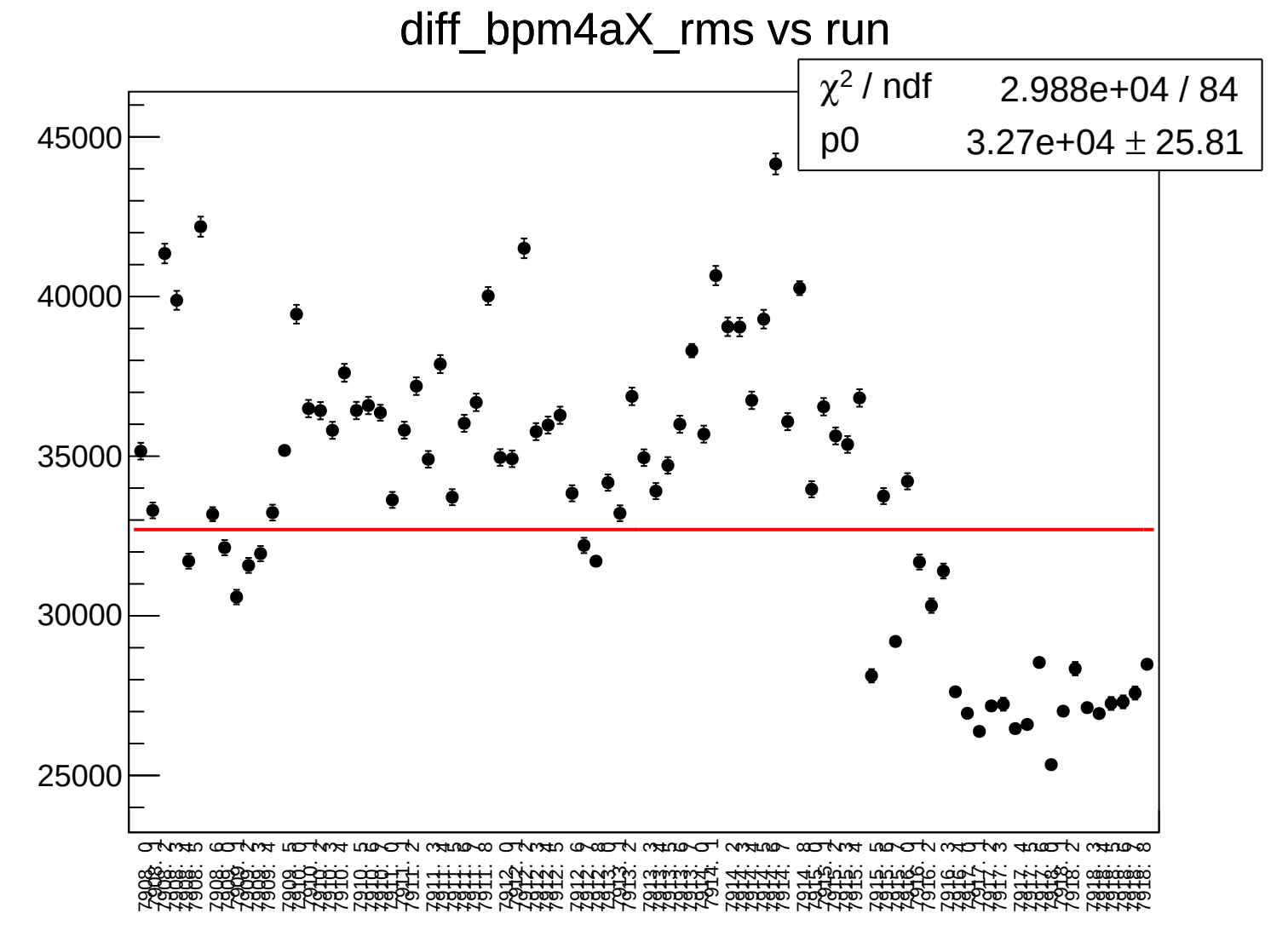

diff_cav4dY_mean vs run
χ² / ndf 66.36 / 84
p0 103.7 ± 157.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −405.8
Std Dev 422.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

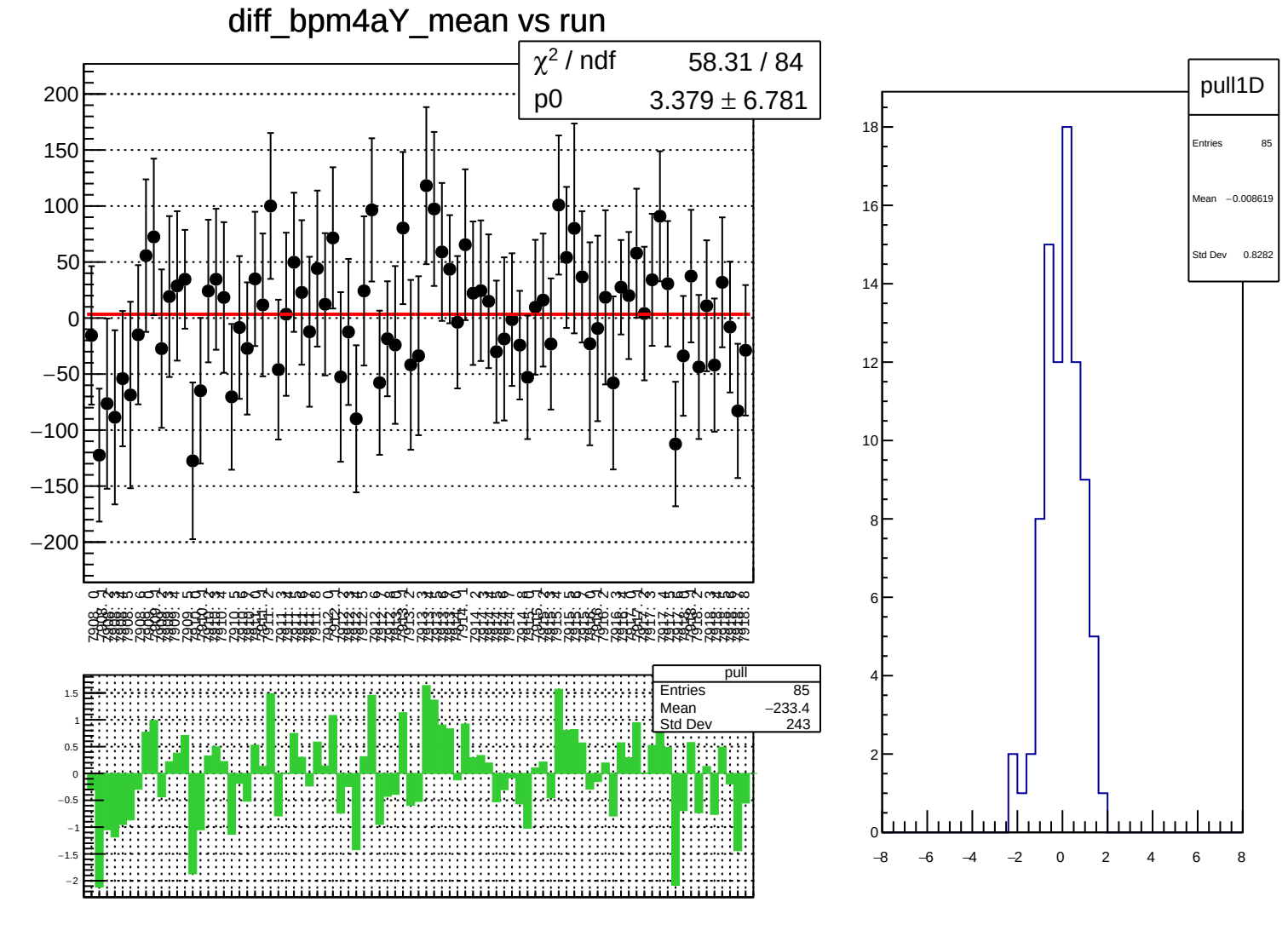

pull1D
Entries 85
Mean −0.005984
Std Dev 0.8835
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

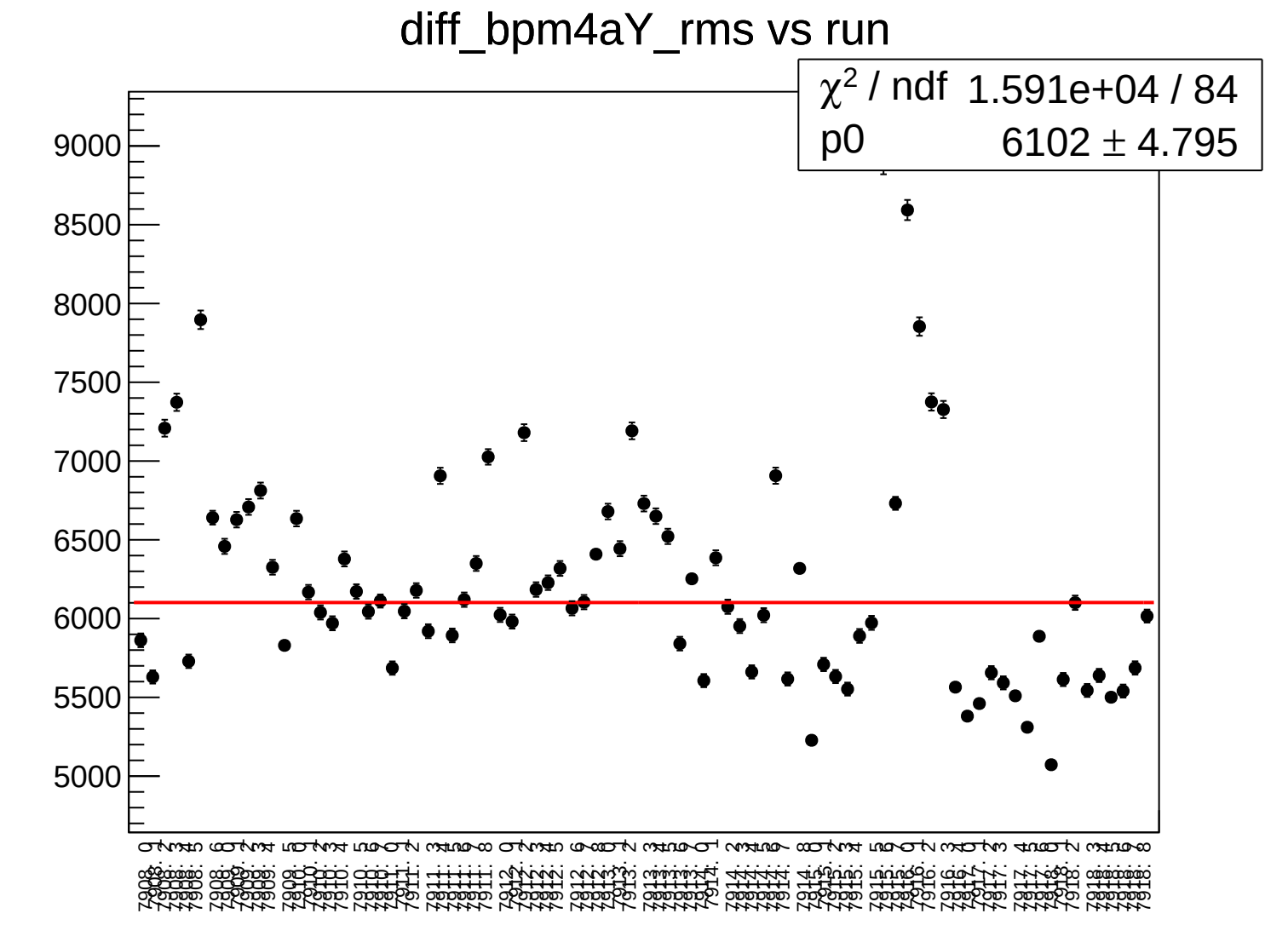

diff_cav4dY_rms vs run
×10^3
χ² / ndf 2.269e+04 / 84
p0 1.413e+05 ± 111.3
200
180
160
140
120
100

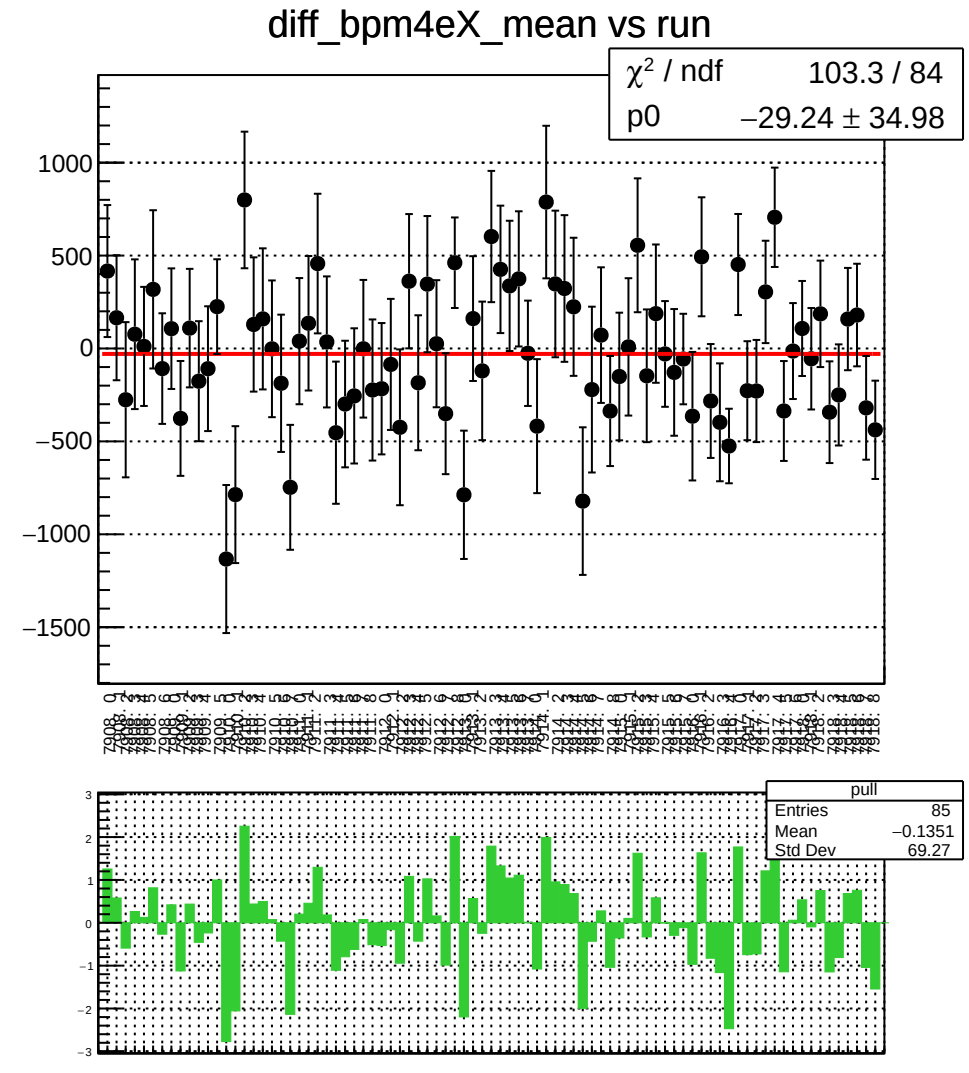

diff_bpm4aX_mean vs run
χ² / ndf 103.1 / 84
p0 −30.96 ± 36.5
pull
Entries 85
Mean −2.251
Std Dev 71.19

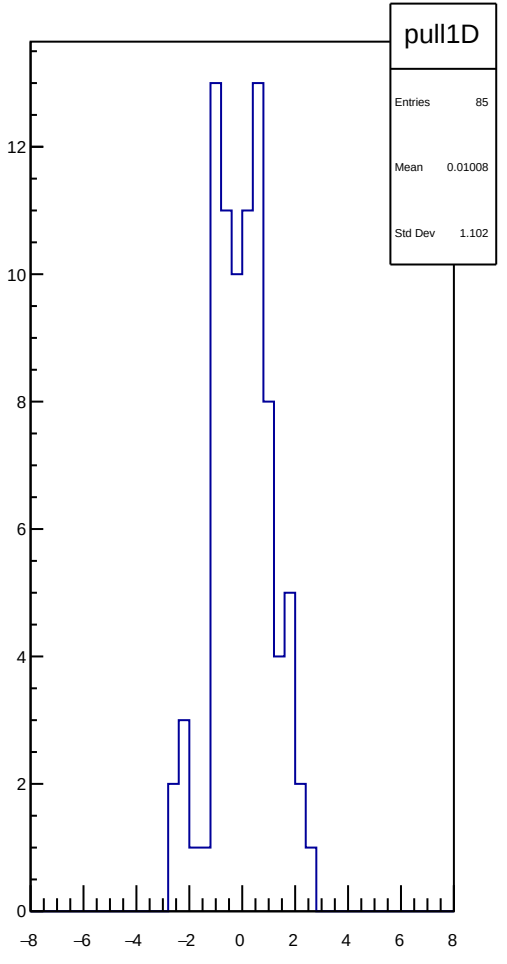

pull1D
Entries 85
Mean 0.01038
Std Dev 1.101

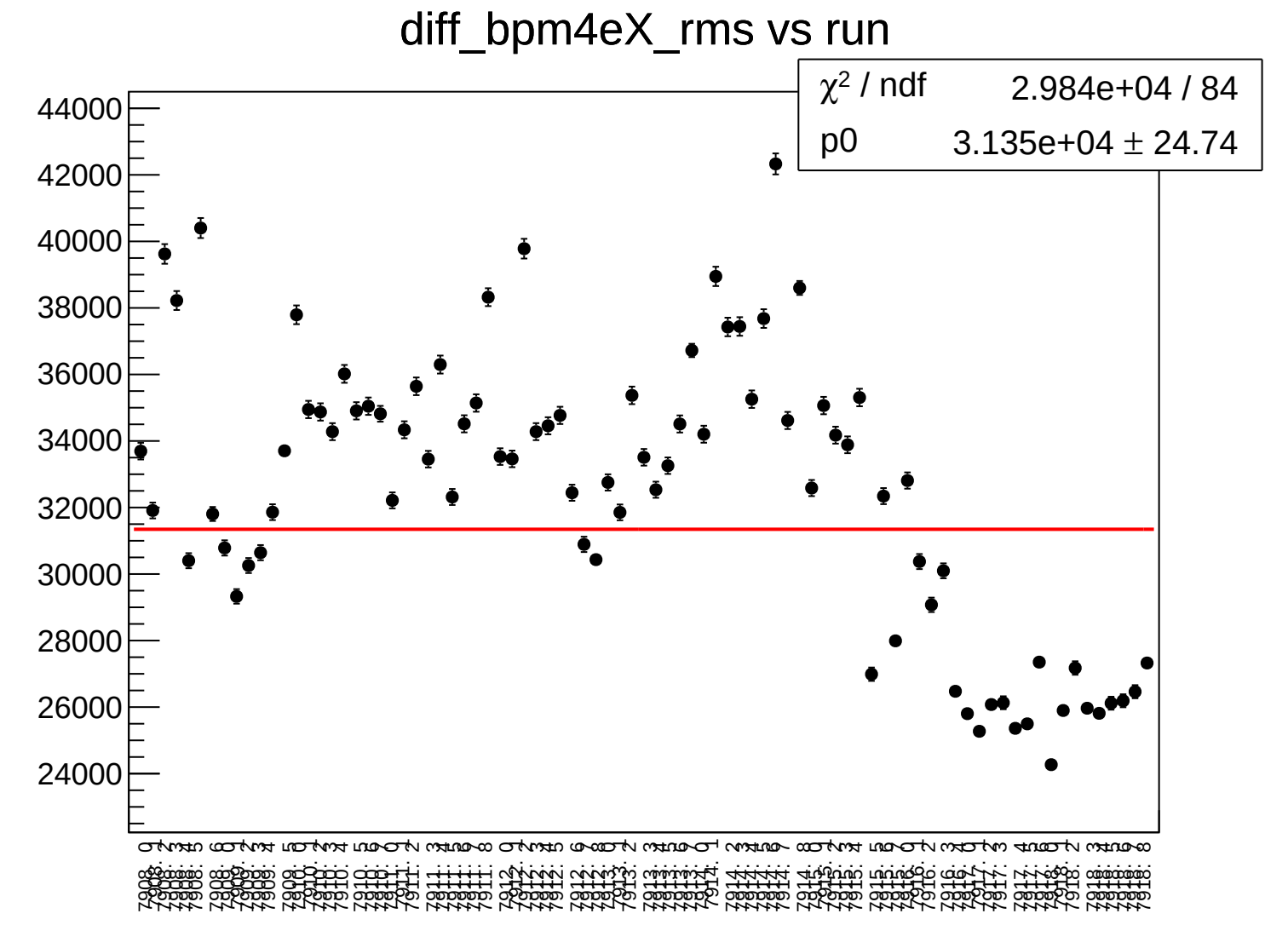

diff_bpm4aX_rms vs run
χ^2 / ndf 2.988e+04 / 84
p0 3.27e+04 ± 25.81
45000
40000
35000
30000
25000

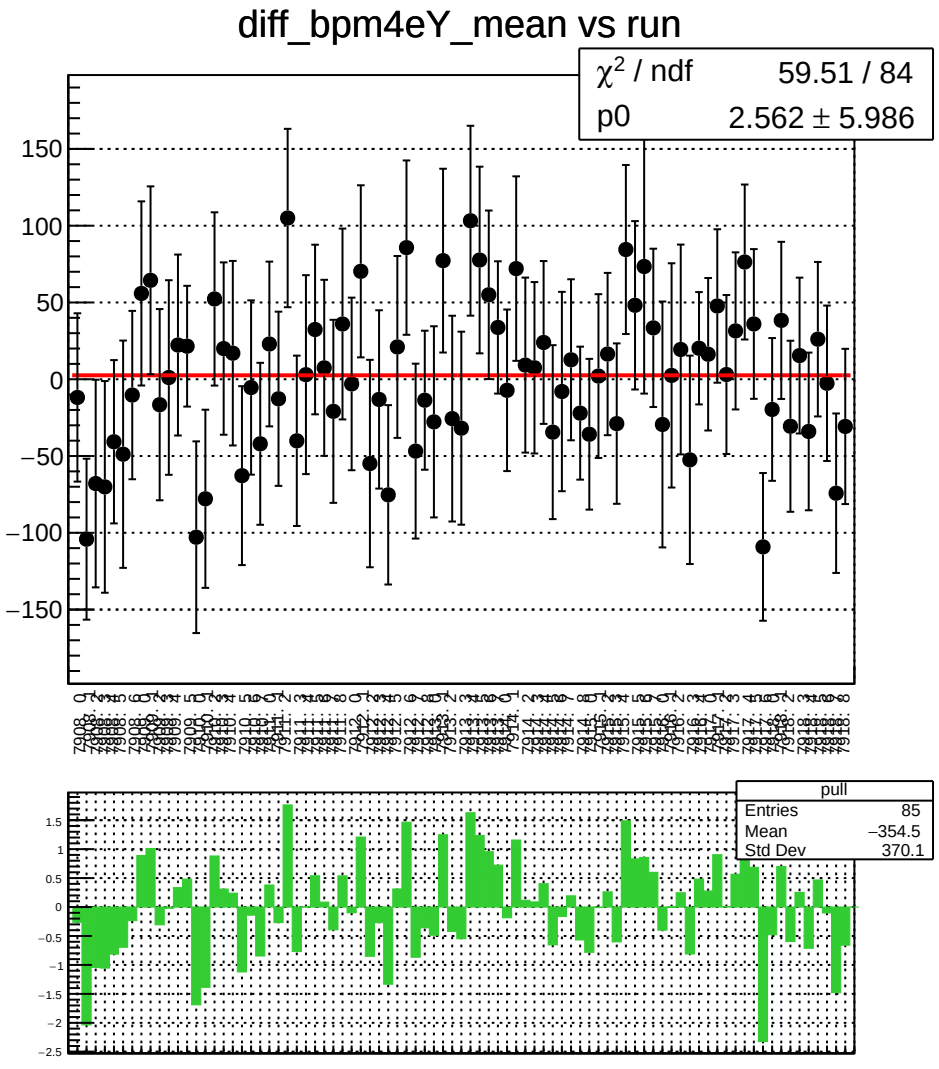

diff_bpm4aY_mean vs run
χ² / ndf 58.31 / 84
p0 3.379 ± 6.781
pull
Entries 85
Mean −233.4
Std Dev 243
pull1D
Entries 85
Mean −0.008619
Std Dev 0.8282

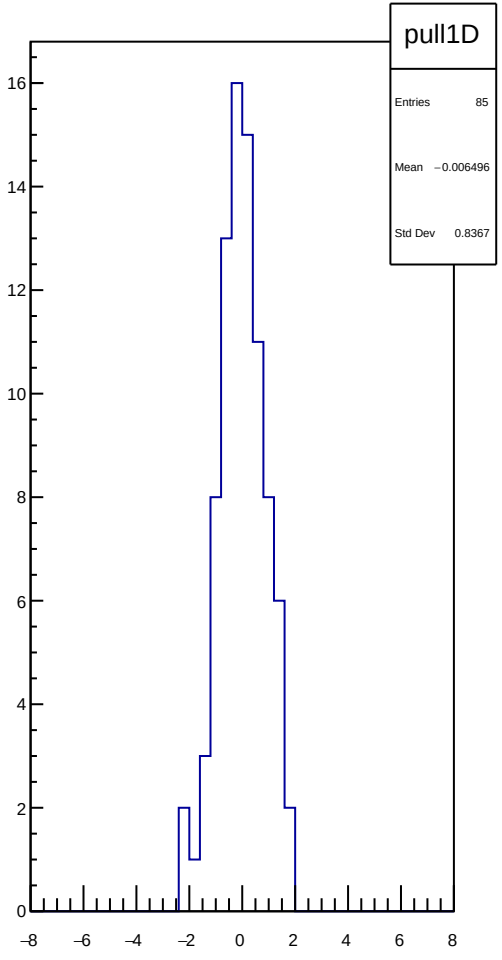

diff_bpm4aY_rms vs run
χ^2 / ndf 1.591e+04 / 84
p0 6102 ± 4.795
9000
8500
8000
7500
7000
6500
6000
5500
5000

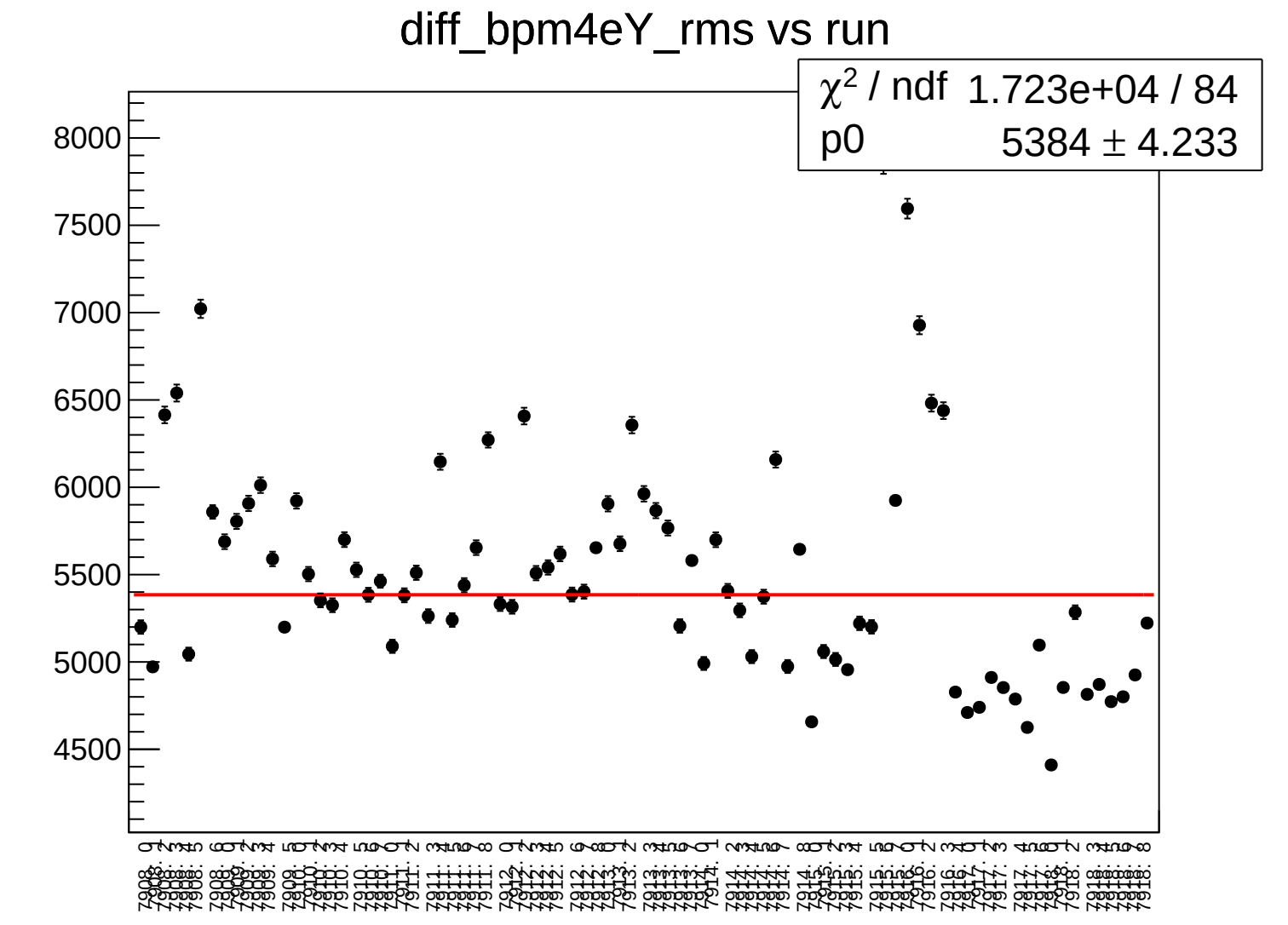

diff_bpm4eX_mean vs run
χ² / ndf 103.3 / 84
p0 −29.24 ± 34.98
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean −0.1351
Std Dev 69.27
3
2
1
0
−1
−2
−3

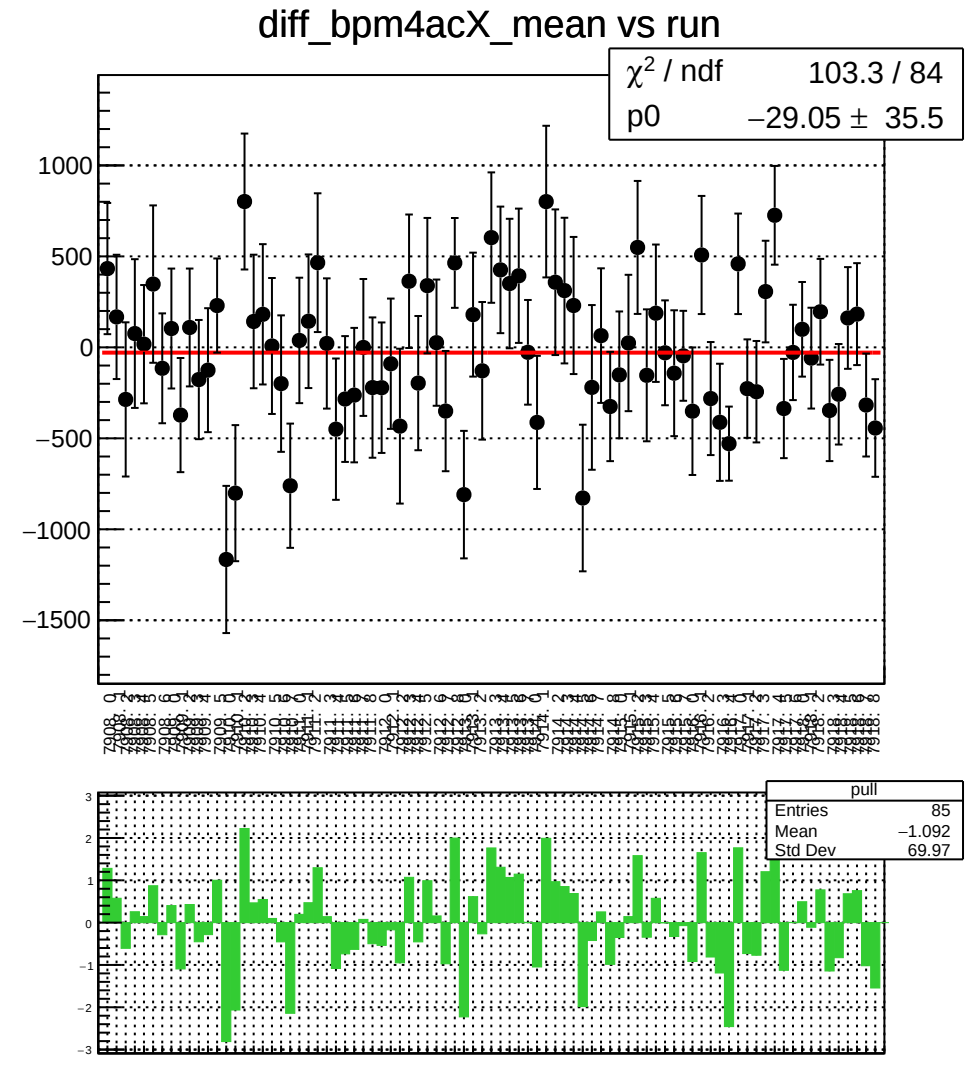

pull1D
Entries 85
Mean 0.01008
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

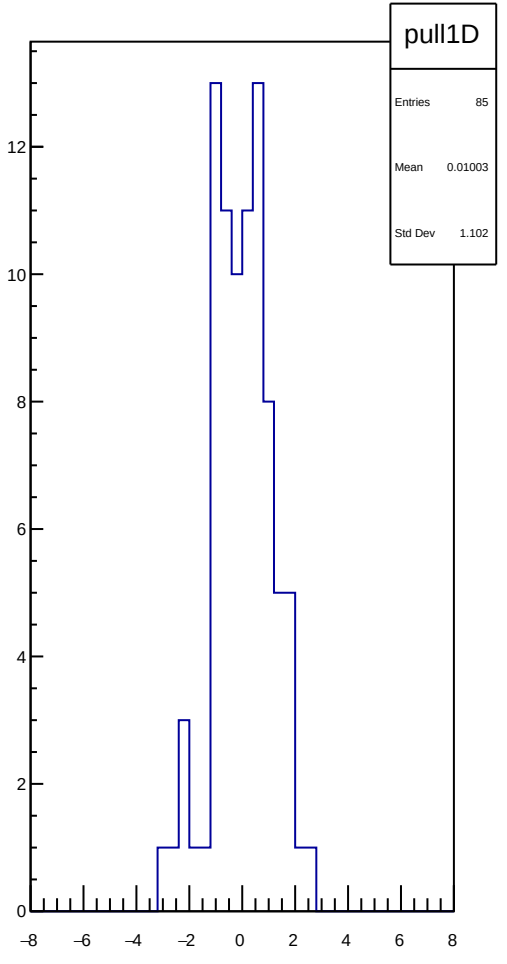

diff_bpm4eX_rms vs run
χ² / ndf 2.984e+04 / 84
p0 3.135e+04 ± 24.74
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000

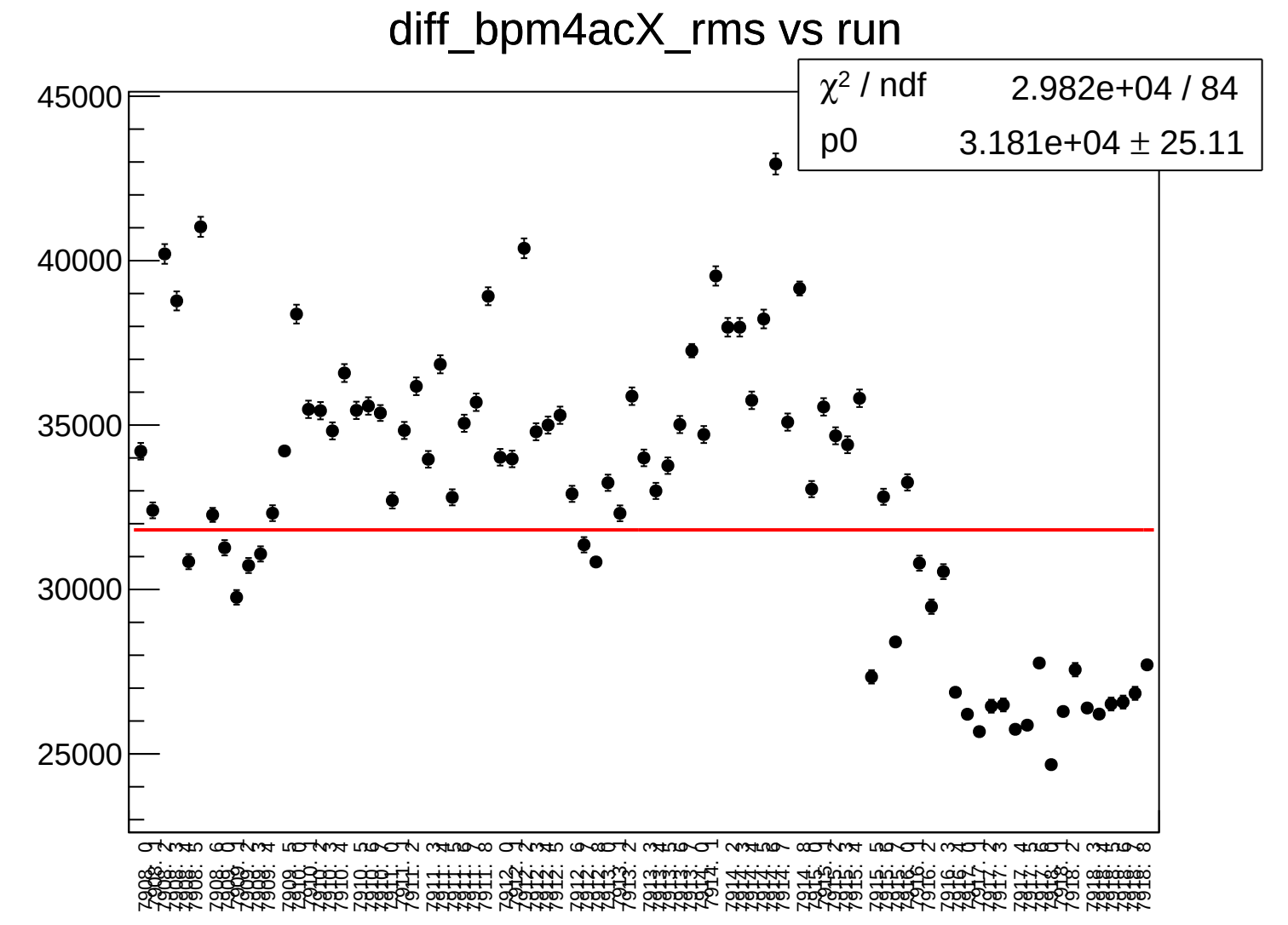

diff_bpm4eY_mean vs run
χ^2 / ndf 59.51 / 84
p0 2.562 ± 5.986
pull
Entries 85
Mean −354.5
Std Dev 370.1

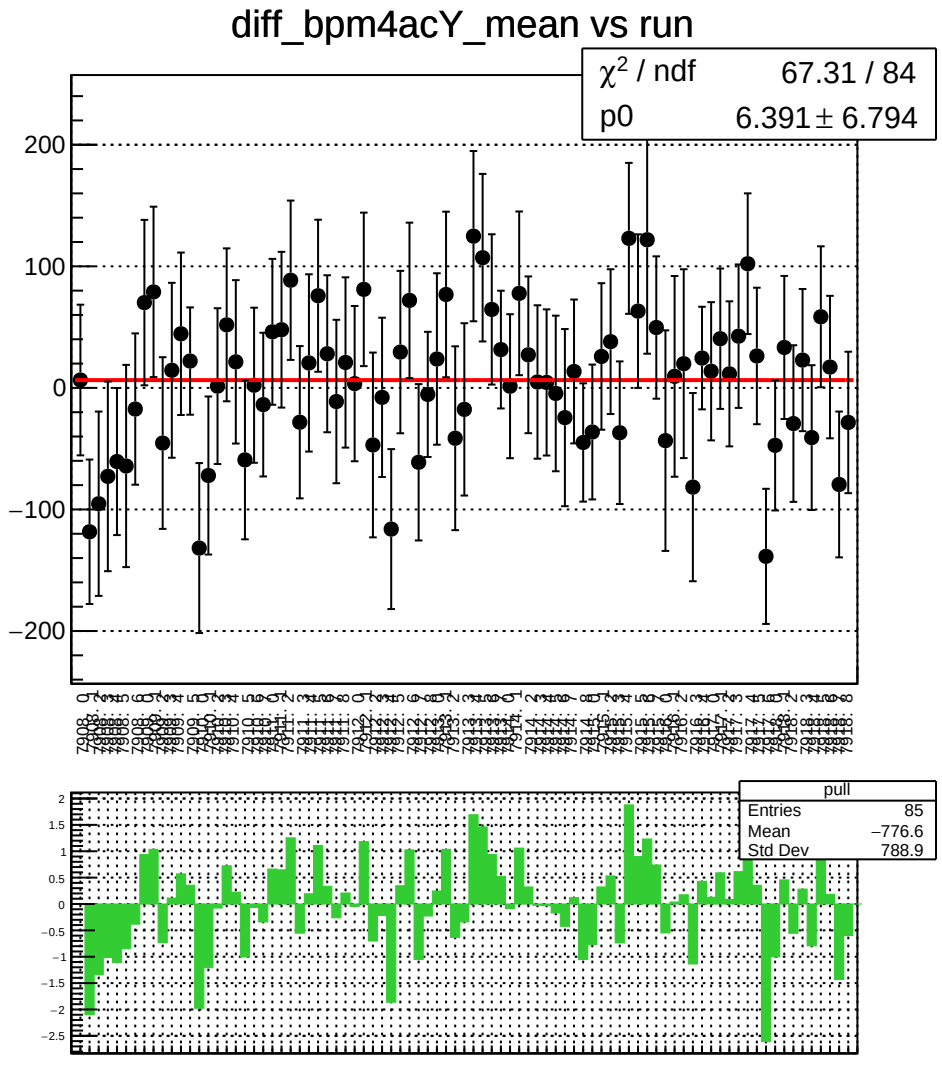

pull1D
Entries 85
Mean −0.006496
Std Dev 0.8367

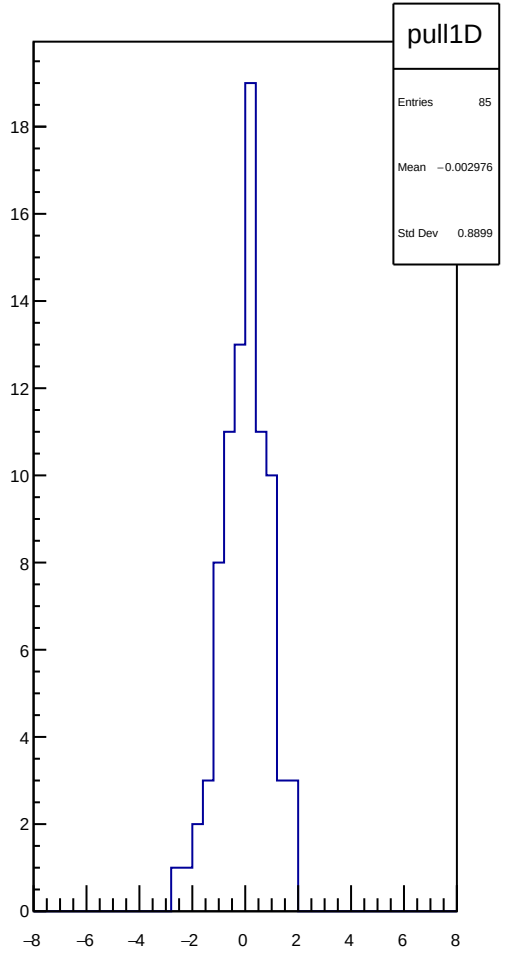

diff_bpm4eY_rms vs run
χ^2 / ndf 1.723e+04 / 84
p0 5384 ± 4.233
8000
7500
7000
6500
6000
5500
5000
4500

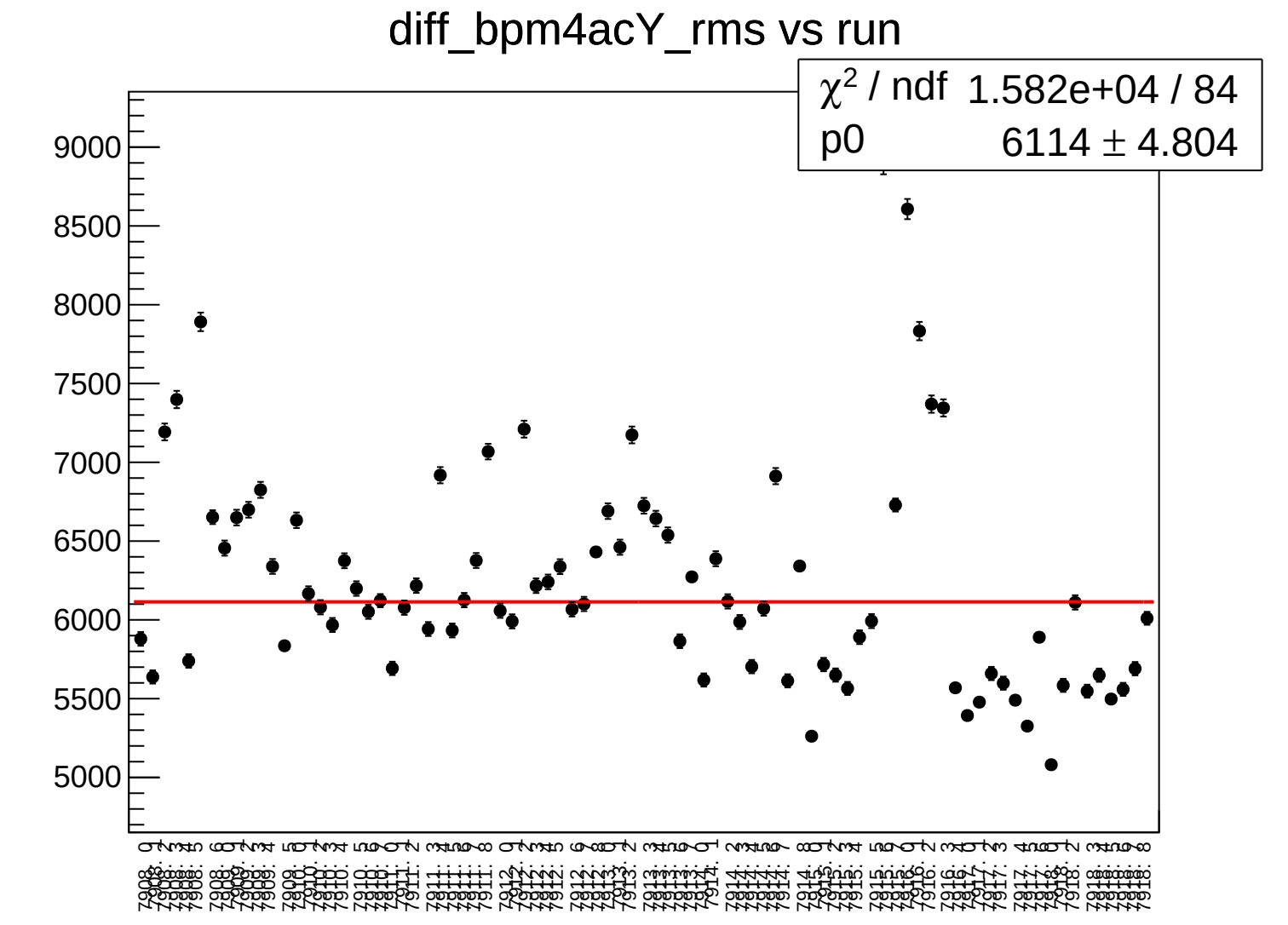

diff_bpm4acX_mean vs run
χ² / ndf 103.3 / 84
p0 −29.05 ± 35.5
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean −1.092
Std Dev 69.97
3
2
1
0
−1
−2
−3

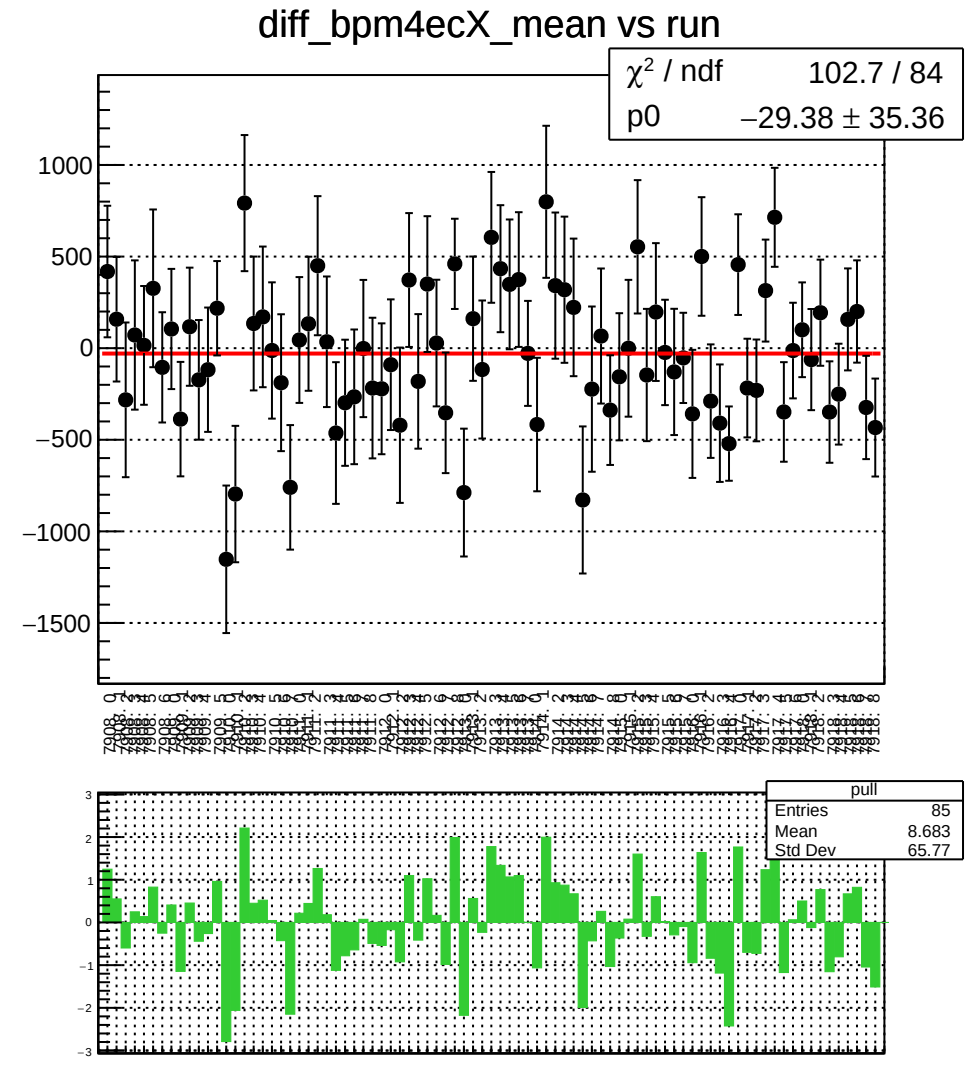

pull1D
Entries 85
Mean 0.01003
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

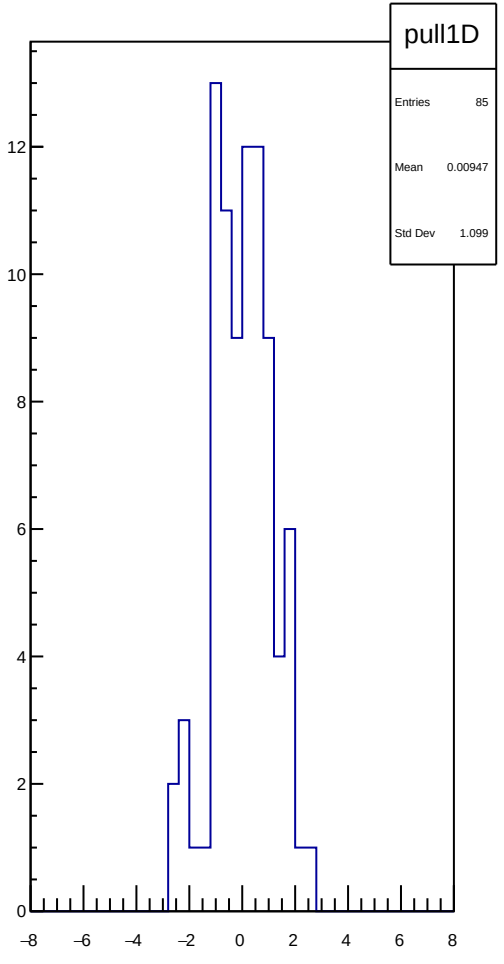

diff_bpm4acX_rms vs run
χ² / ndf 2.982e+04 / 84
p0 3.181e+04 ± 25.11
45000
40000
35000
30000
25000

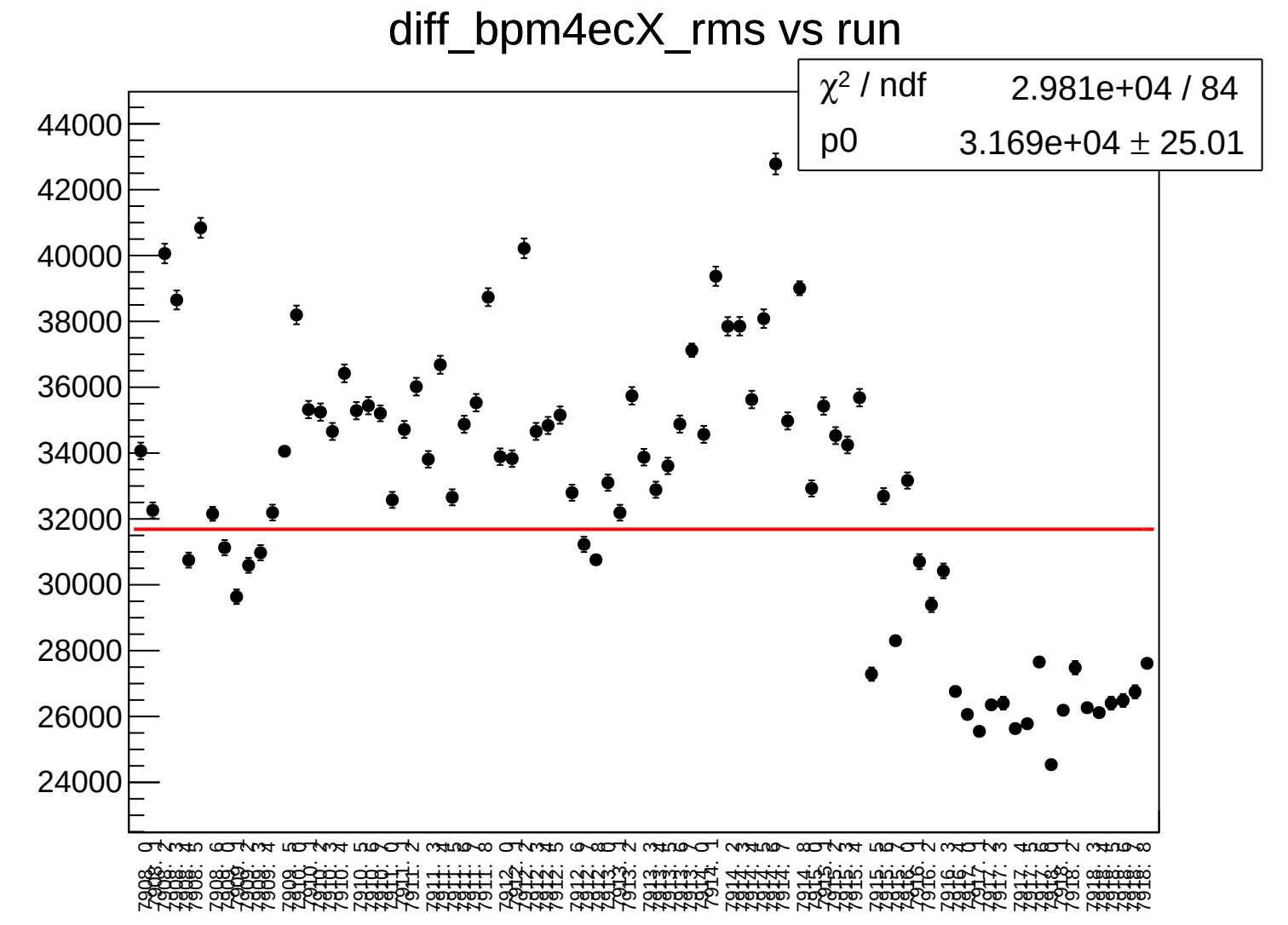

diff_bpm4acY_mean vs run
χ^2 / ndf 67.31 / 84
p0 6.391 ± 6.794
200
100
0
−100
−200
pull
Entries 85
Mean −776.6
Std Dev 788.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

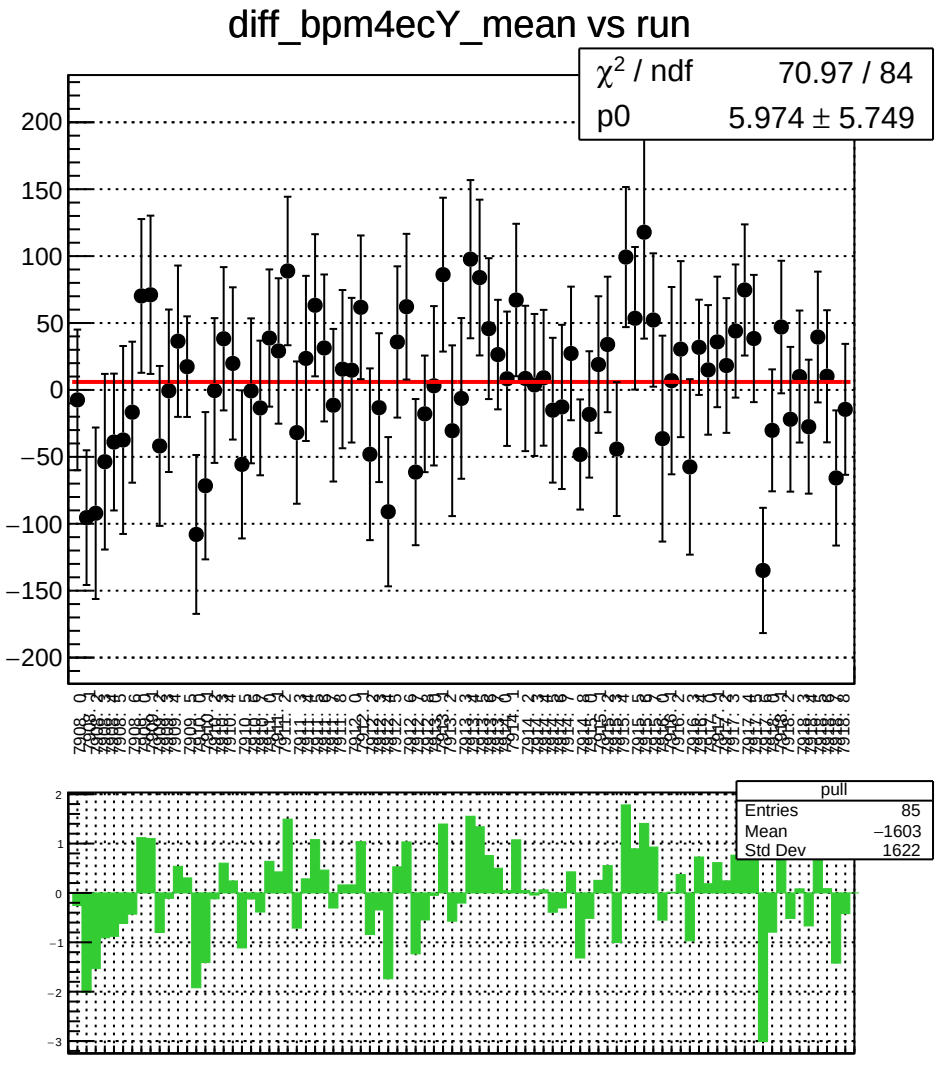

pull1D
Entries 85
Mean −0.002976
Std Dev 0.8899
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

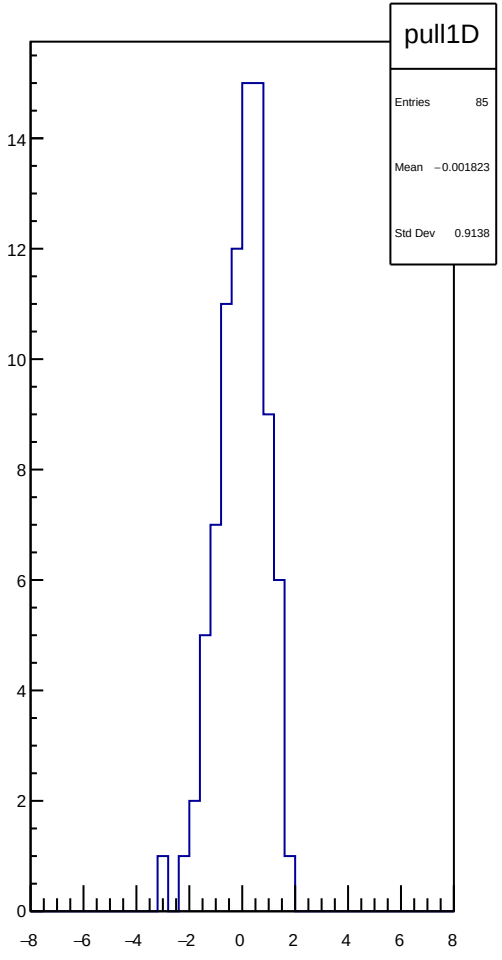

diff_bpm4acY_rms vs run
χ^2 / ndf 1.582e+04 / 84
p0 6114 ± 4.804
9000
8500
8000
7500
7000
6500
6000
5500
5000

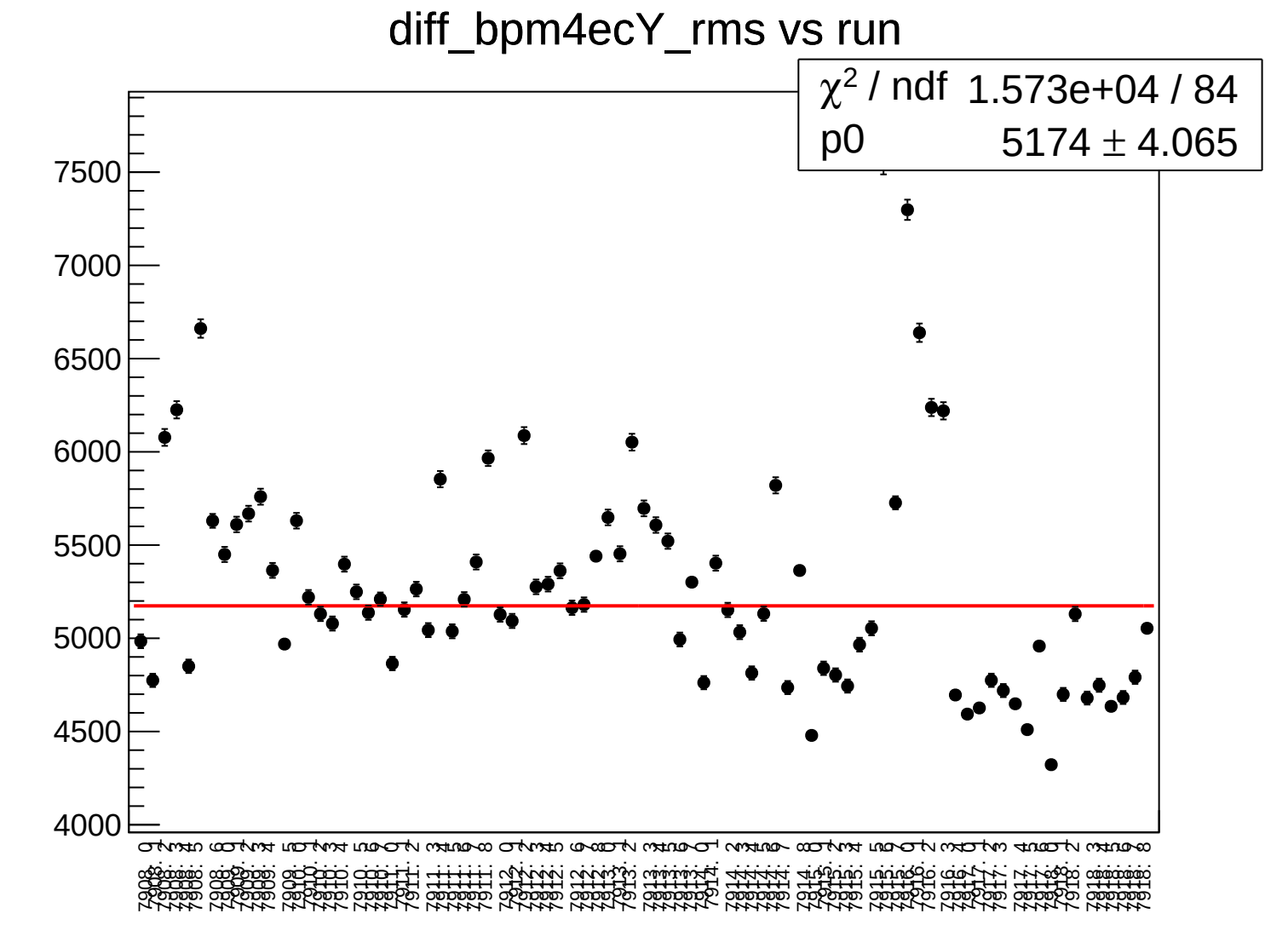

diff_bpm4ecX_mean vs run
χ² / ndf 102.7 / 84
p0 −29.38 ± 35.36
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean 8.683
Std Dev 65.77
3
2
1
0
−1
−2
−3

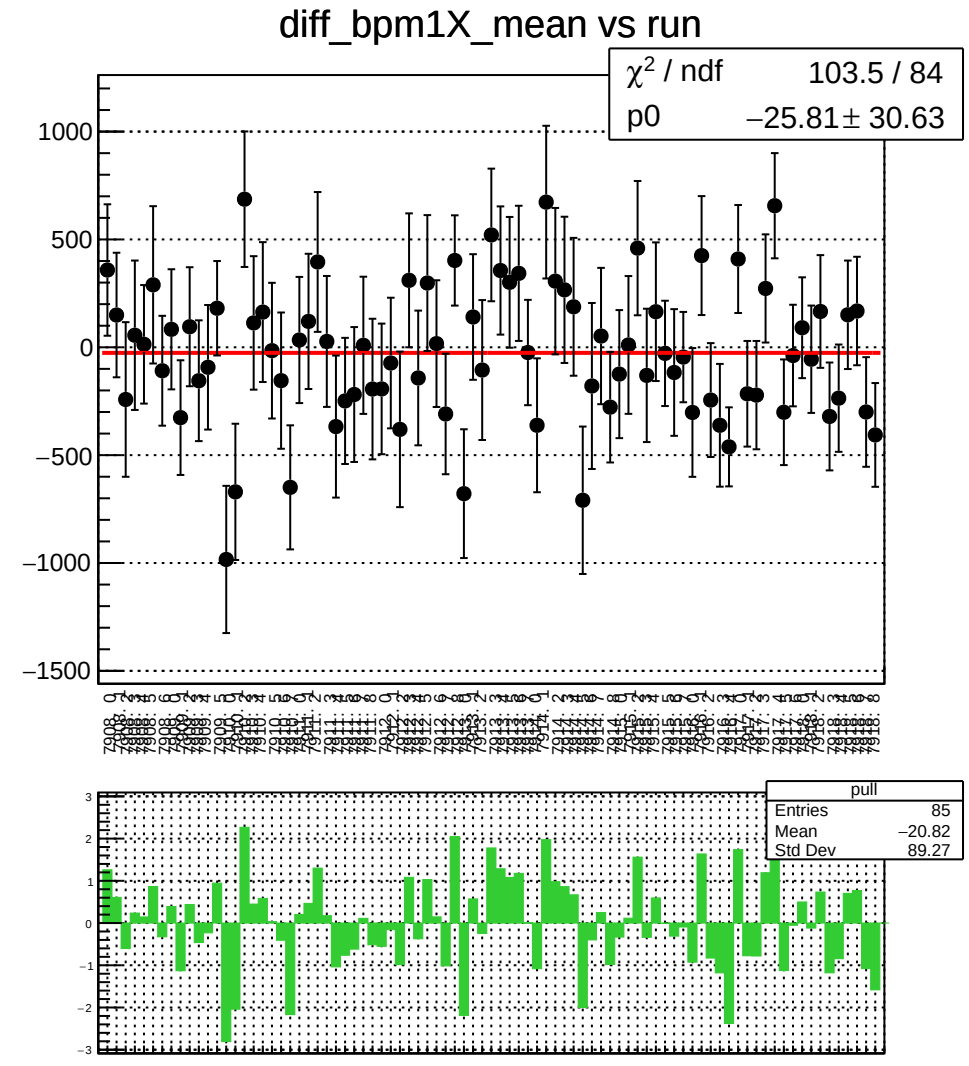

pull1D
Entries 85
Mean 0.00947
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

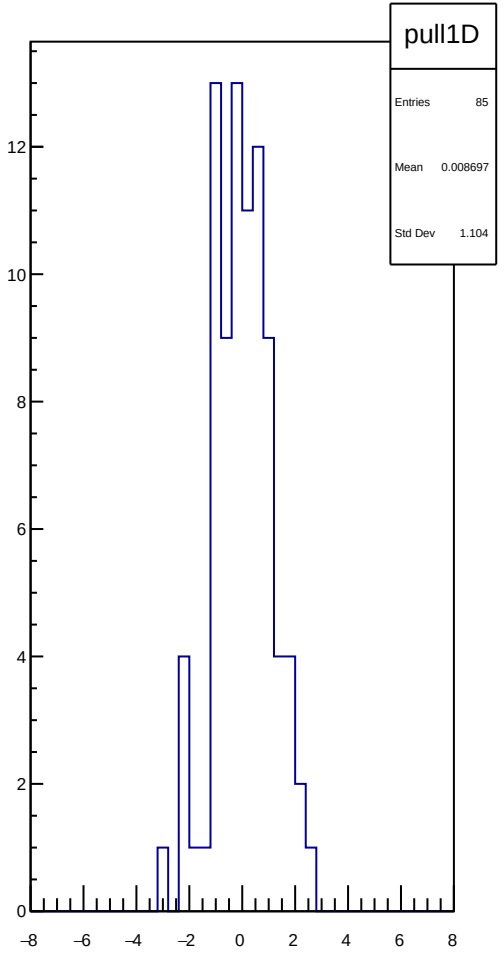

diff_bpm4ecX_rms vs run
χ² / ndf 2.981e+04 / 84
p0 3.169e+04 ± 25.01
44000
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000

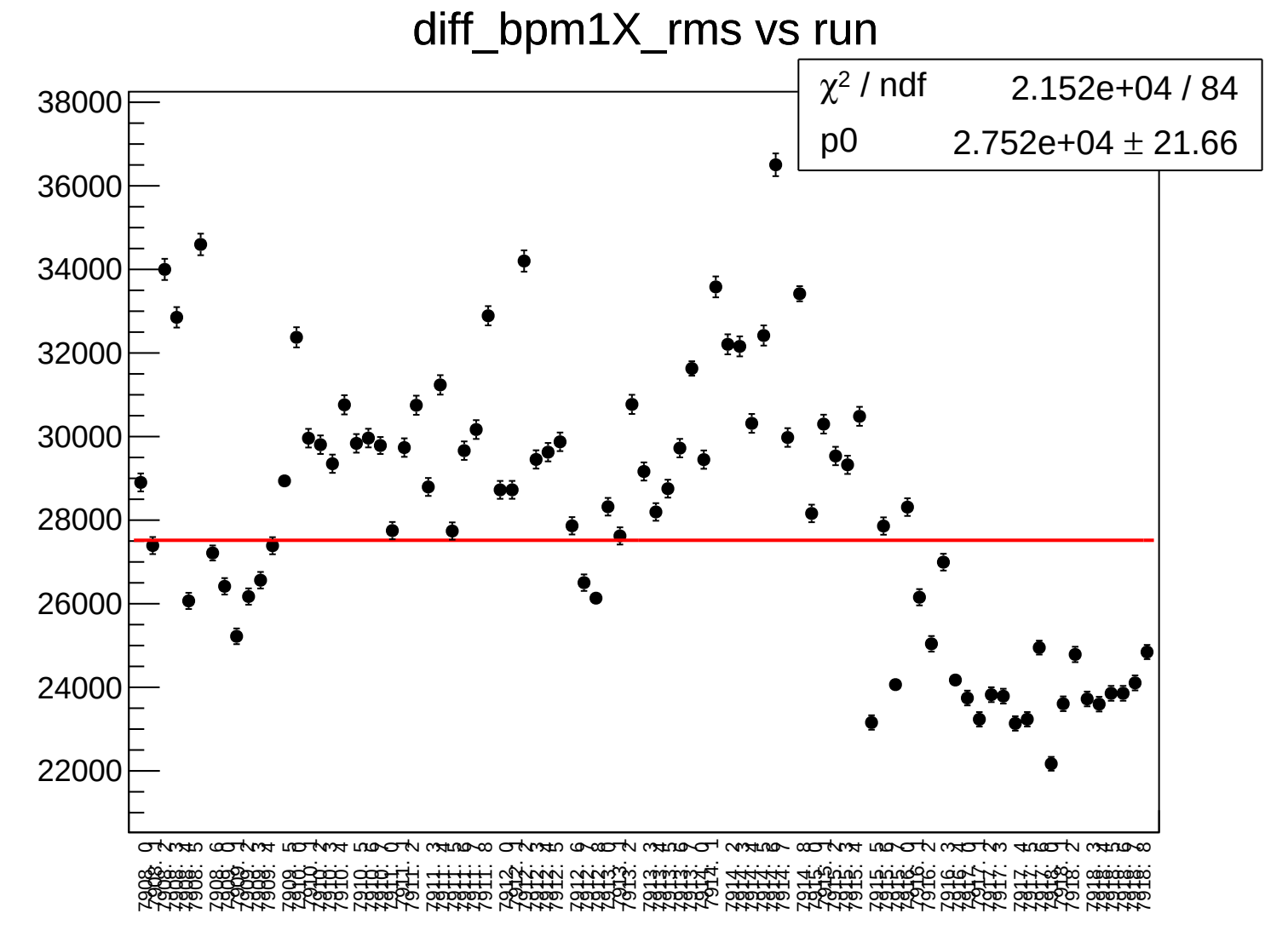

diff_bpm4ecY_mean vs run
χ^2 / ndf 70.97 / 84
p0 5.974 ± 5.749
pull
Entries 85
Mean −1603
Std Dev 1622

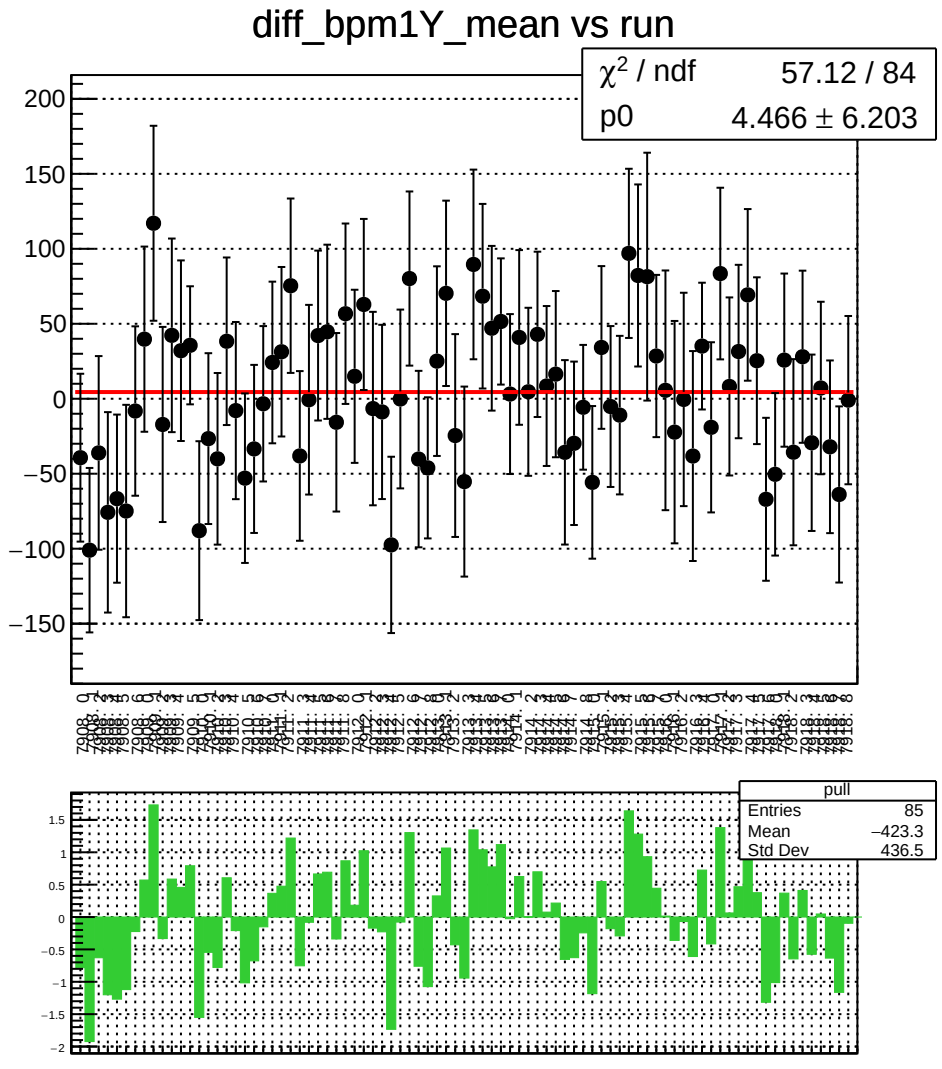

pull1D
Entries 85
Mean −0.001823
Std Dev 0.9138

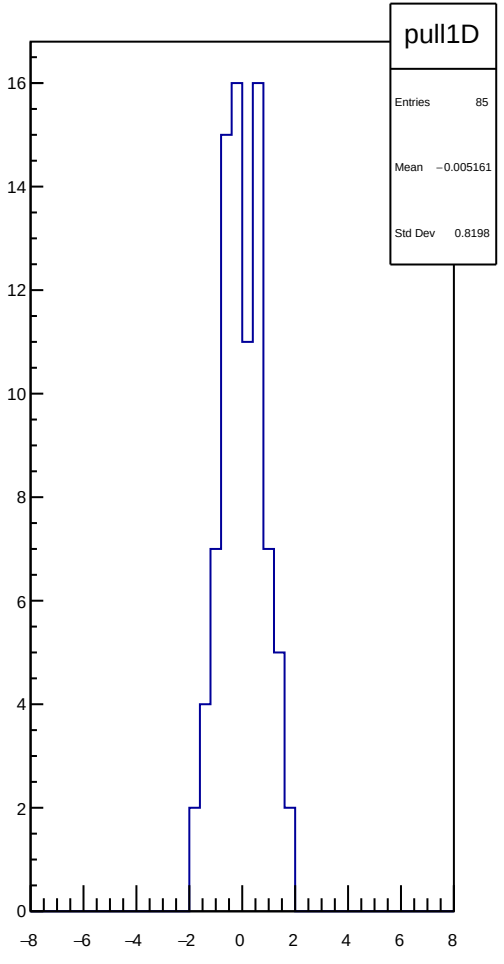

diff_bpm4ecY_rms vs run
χ² / ndf 1.573e+04 / 84
p0 5174 ± 4.065
7500
7000
6500
6000
5500
5000
4500
4000

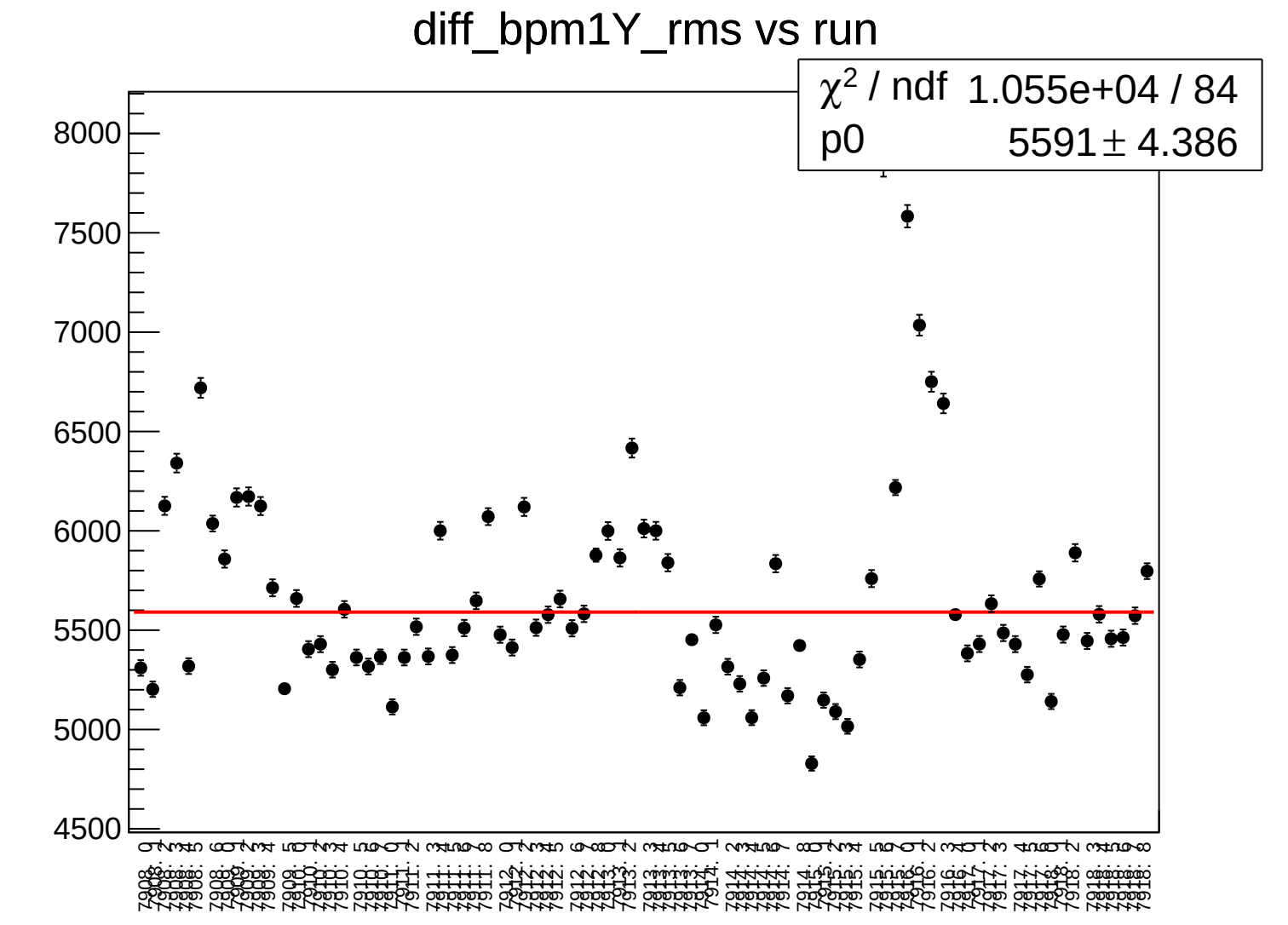

diff_bpm1X_mean vs run
χ² / ndf 103.5 / 84
p0 −25.81 ± 30.63
pull
Entries 85
Mean −20.82
Std Dev 89.27

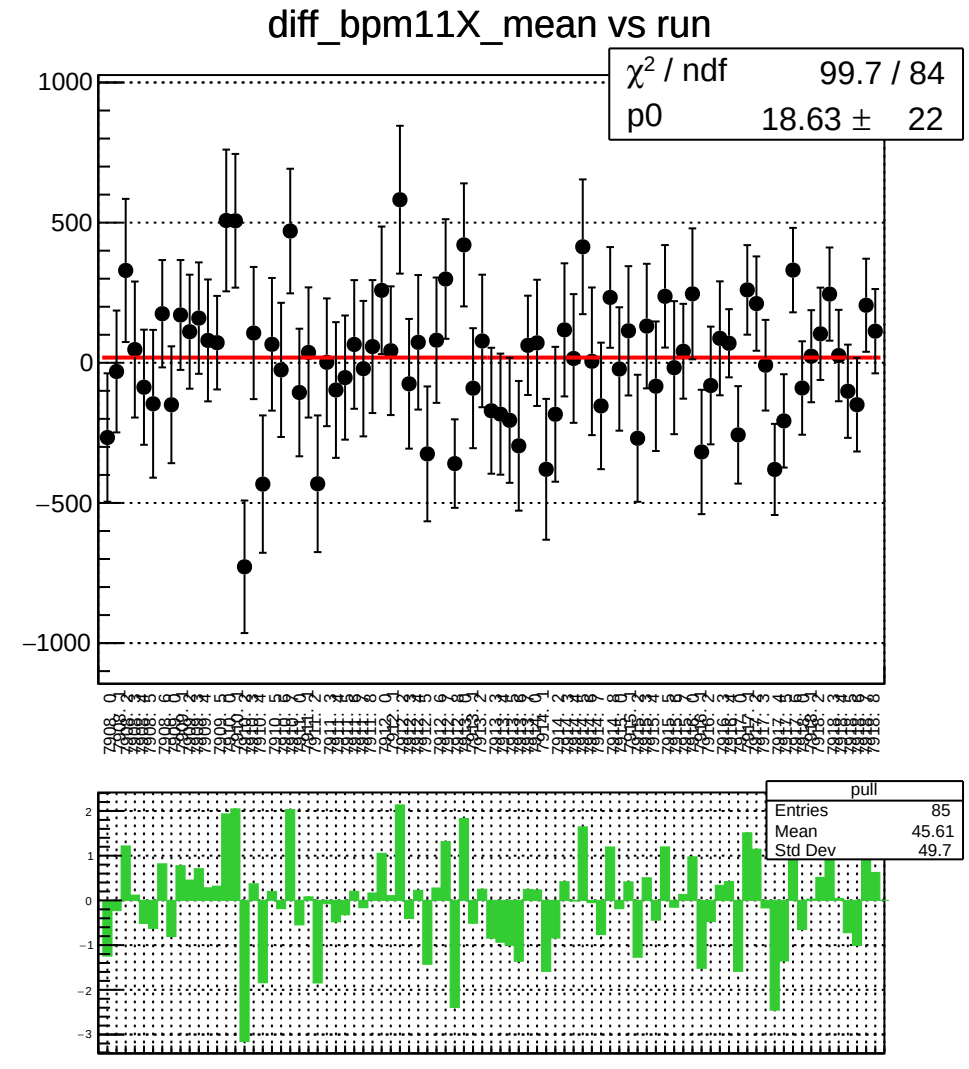

pull1D
Entries 85
Mean 0.008697
Std Dev 1.104

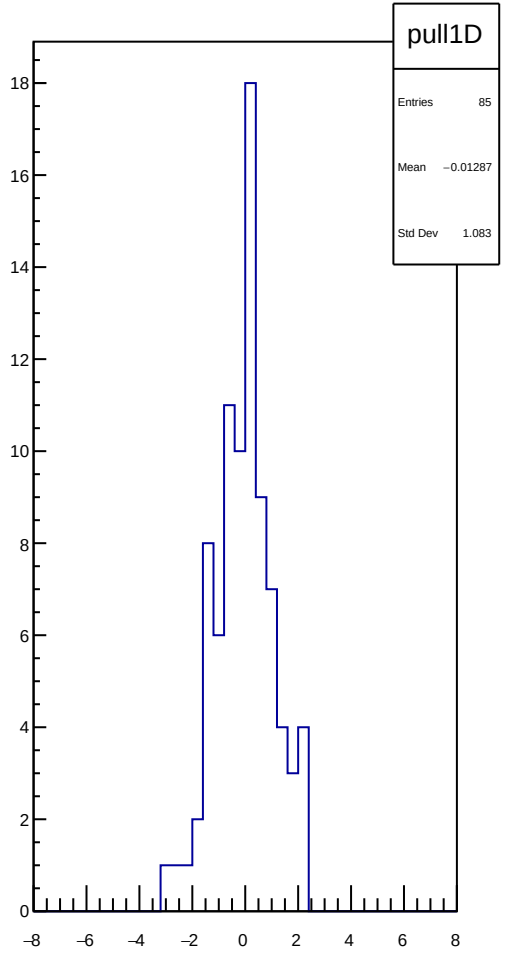

diff_bpm1X_rms vs run
χ² / ndf 2.152e+04 / 84
p0 2.752e+04 ± 21.66
38000
36000
34000
32000
30000
28000
26000
24000
22000

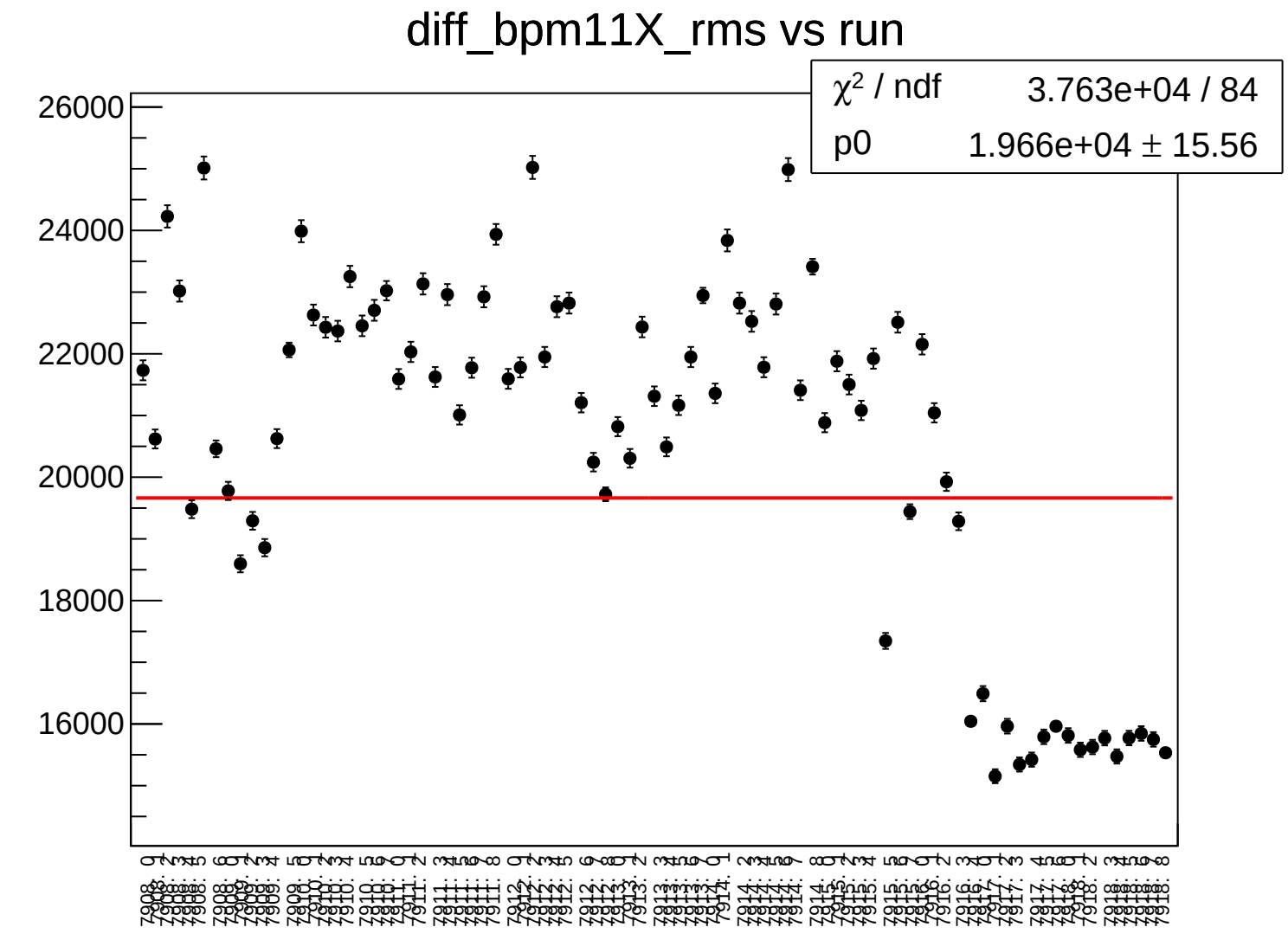

diff_bpm1Y_mean vs run
χ² / ndf 57.12 / 84
p0 4.466 ± 6.203
pull
Entries 85
Mean −423.3
Std Dev 436.5

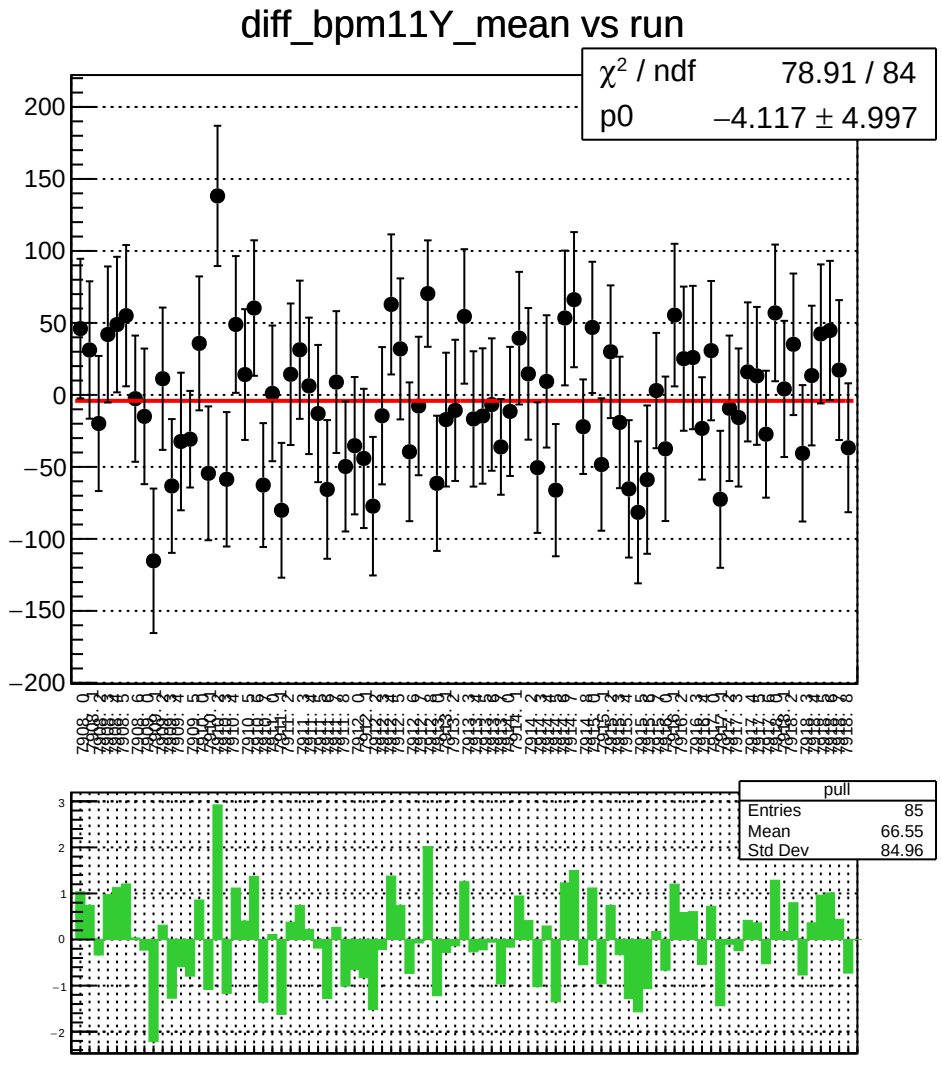

pull1D
Entries 85
Mean −0.005161
Std Dev 0.8198

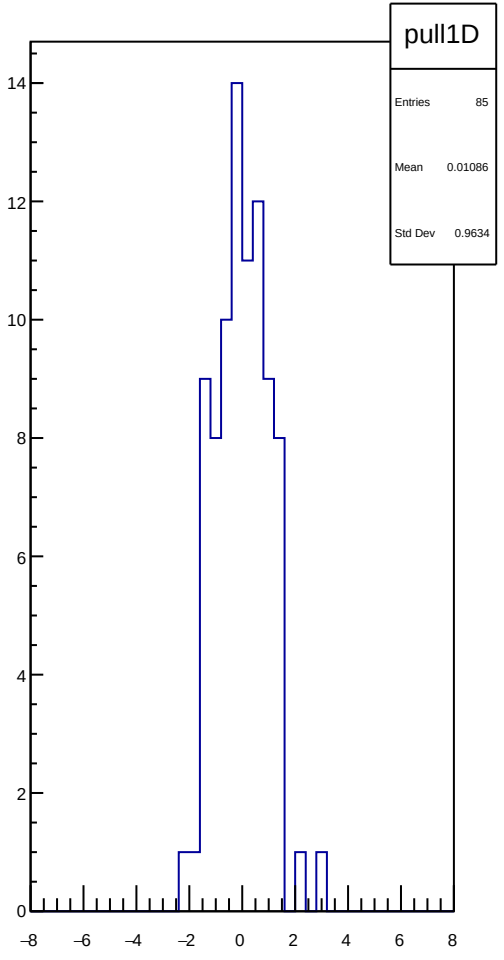

diff_bpm1Y_rms vs run
χ² / ndf 1.055e+04 / 84
p0 5591 ± 4.386
8000
7500
7000
6500
6000
5500
5000
4500

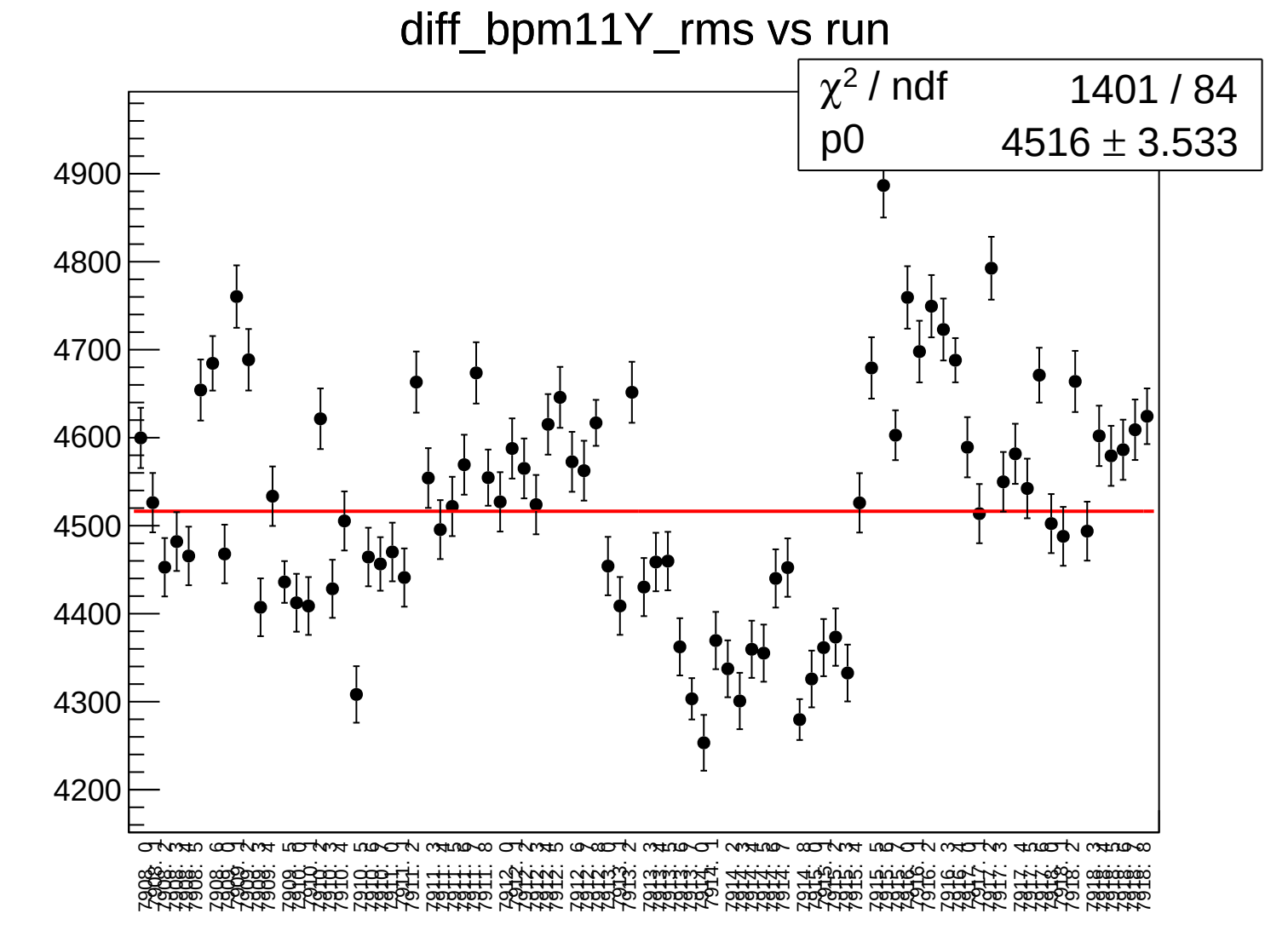

diff_bpm11X_mean vs run
χ^2 / ndf 99.7 / 84
p0 18.63 ± 22
1000
500
0
−500
−1000
pull
Entries 85
Mean 45.61
Std Dev 49.7
2
1
0
−1
−2
−3

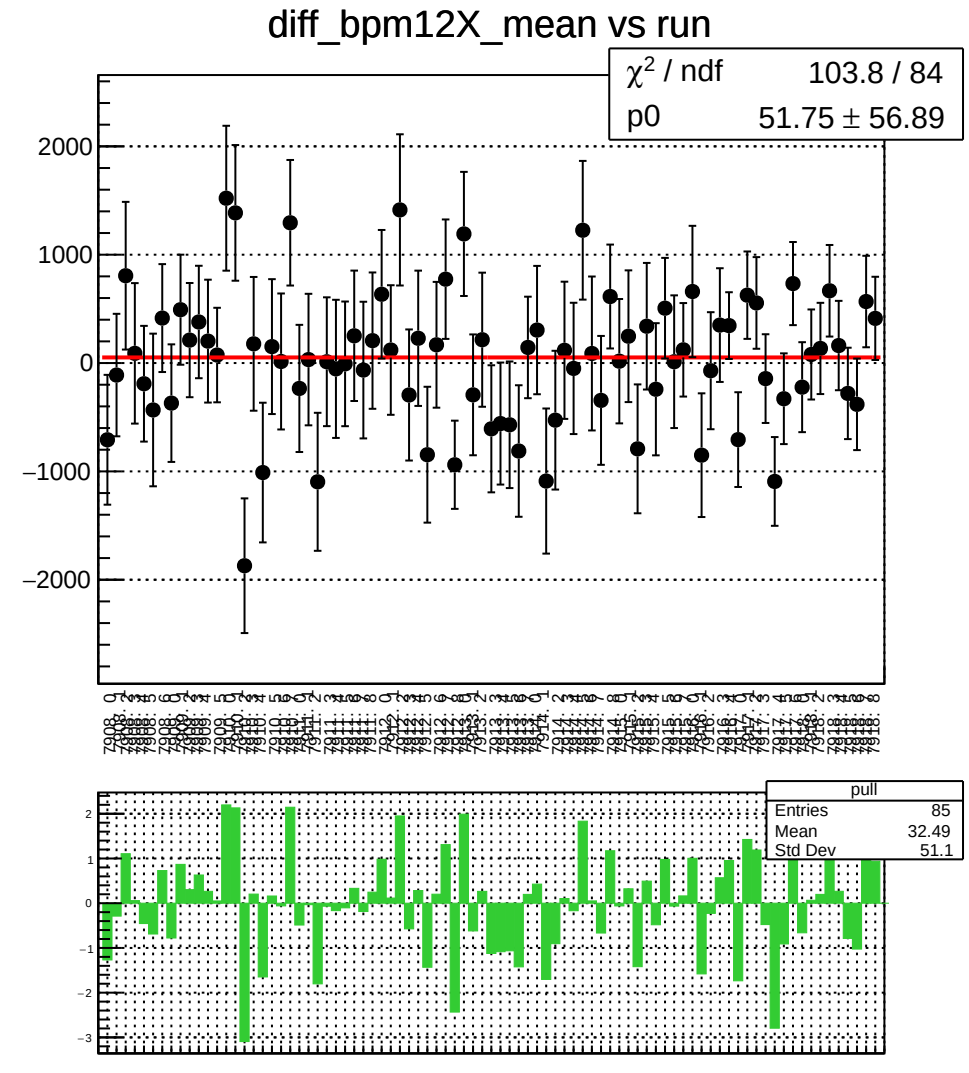

pull1D
Entries 85
Mean −0.01287
Std Dev 1.083
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

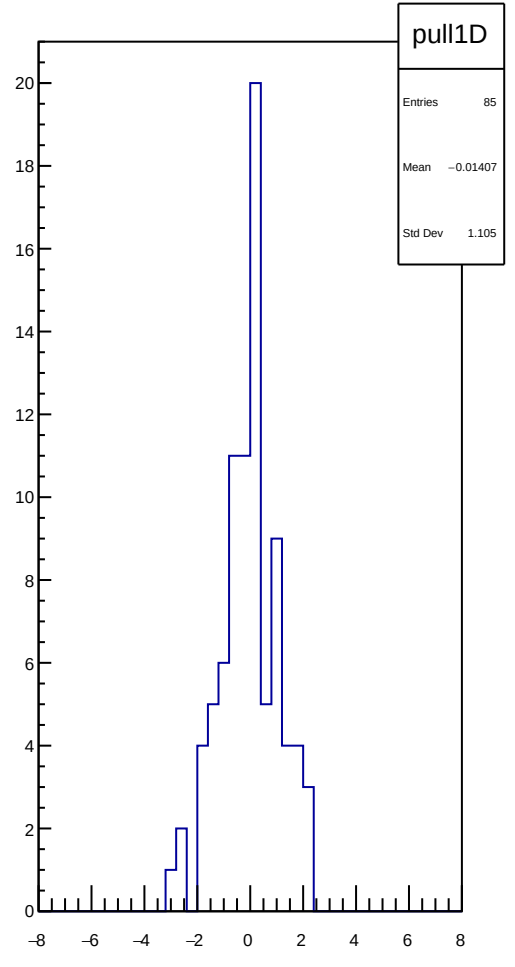

diff_bpm11X_rms vs run
χ² / ndf 3.763e+04 / 84
p0 1.966e+04 ± 15.56
26000
24000
22000
20000
18000
16000

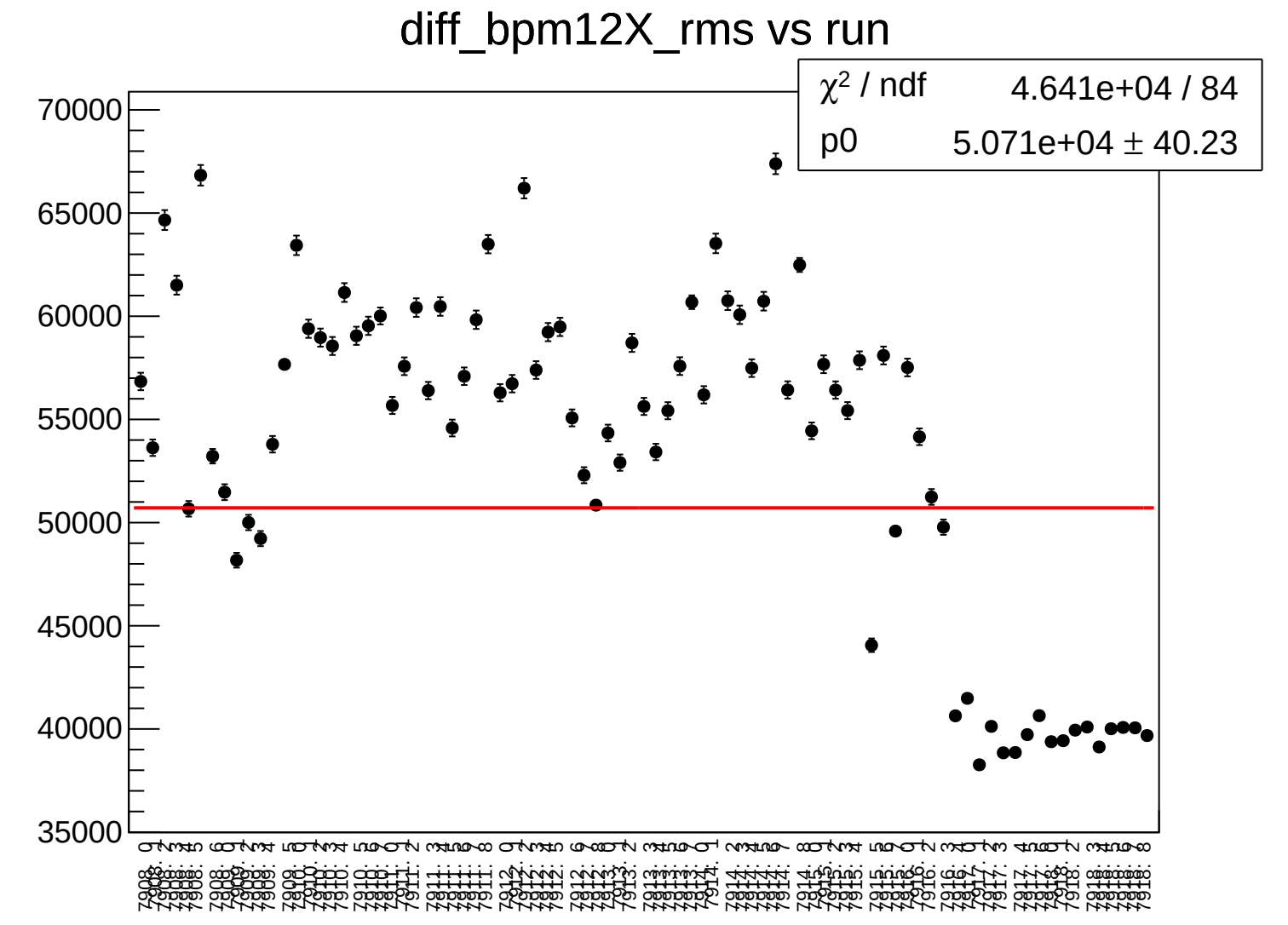

diff_bpm11Y_mean vs run
χ² / ndf 78.91 / 84
p0 −4.117 ± 4.997
pull
Entries 85
Mean 66.55
Std Dev 84.96

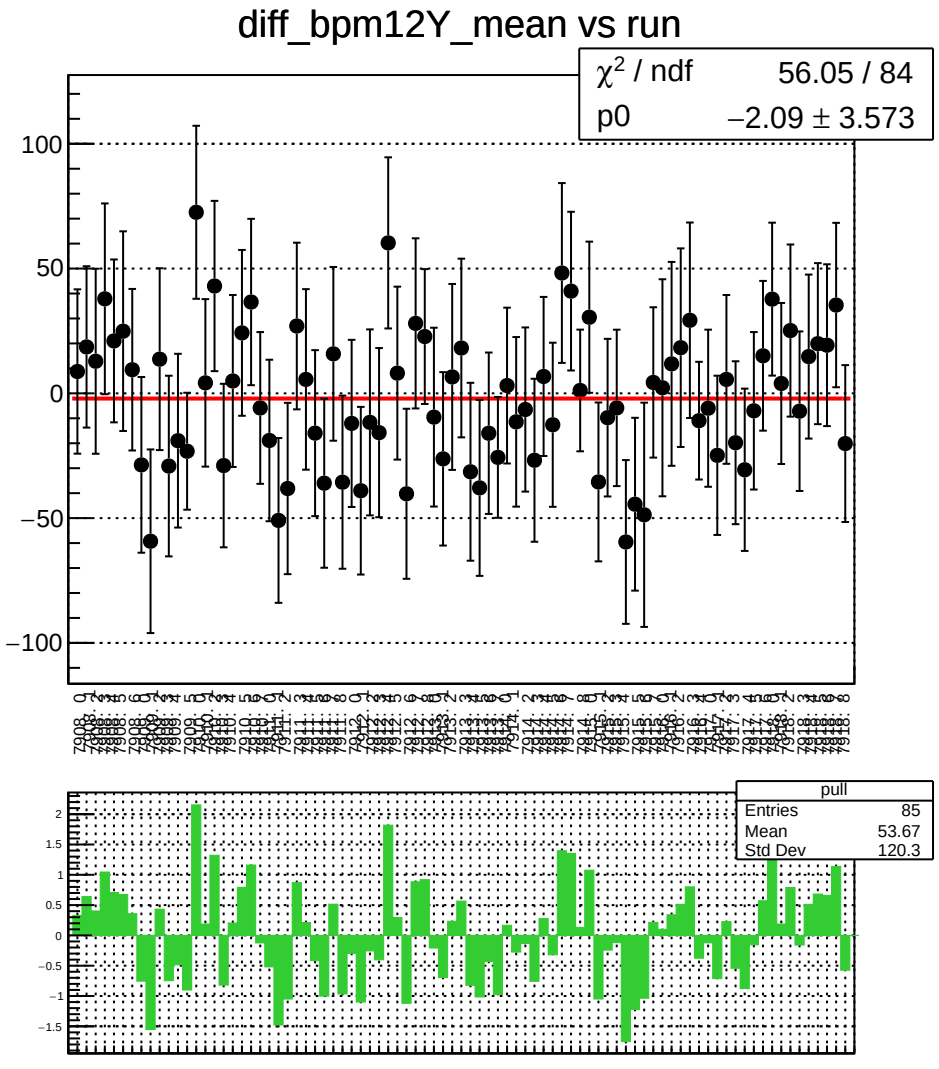

pull1D
Entries 85
Mean 0.01086
Std Dev 0.9634

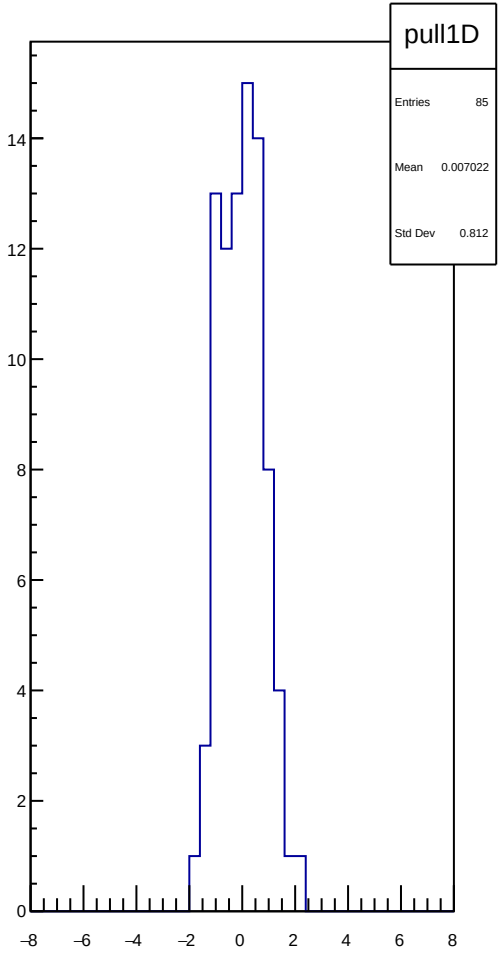

diff_bpm11Y_rms vs run
χ² / ndf 1401 / 84
p0 4516 ± 3.533
4900
4800
4700
4600
4500
4400
4300
4200

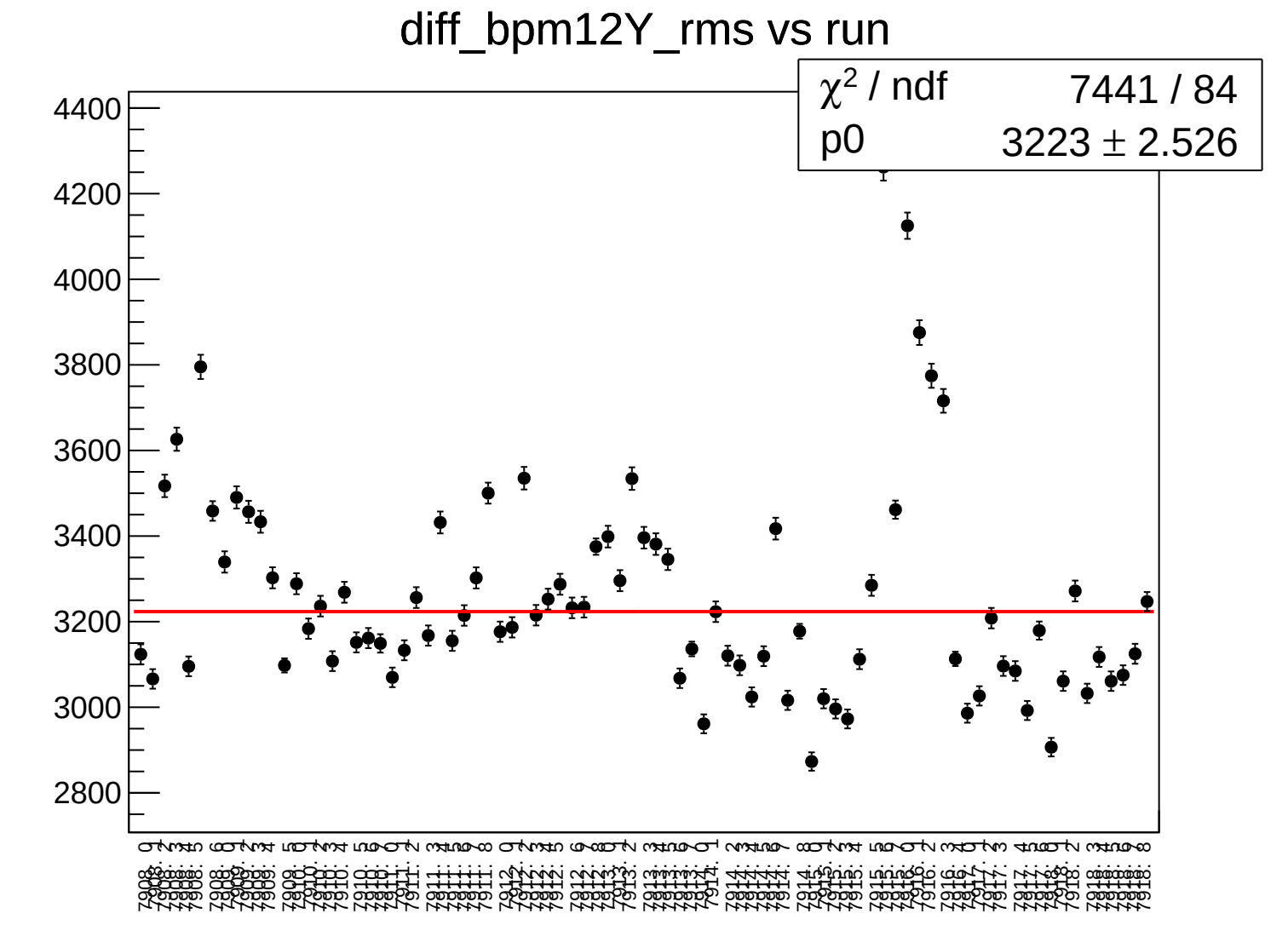

diff_bpm12X_mean vs run
χ^2 / ndf 103.8 / 84
p0 51.75 ± 56.89
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 32.49
Std Dev 51.1
2
1
0
−1
−2
−3

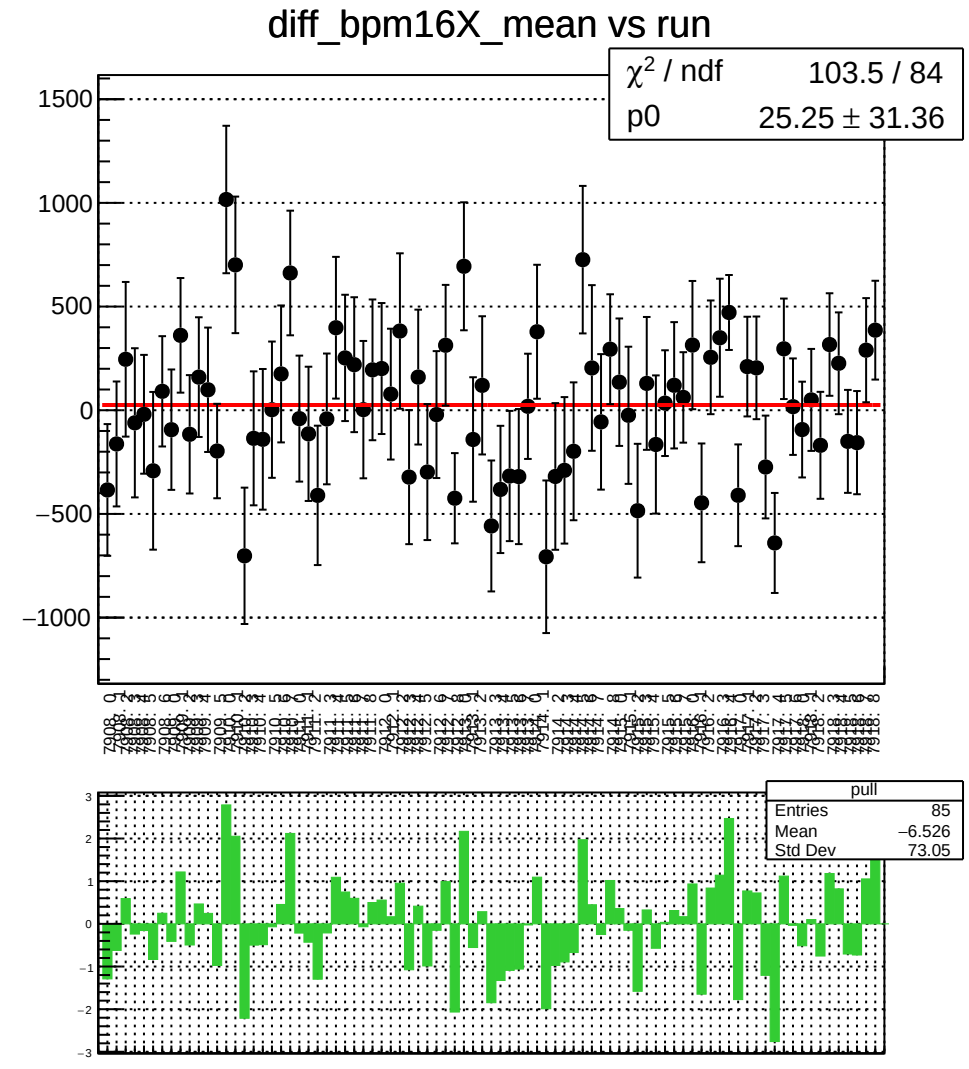

pull1D
Entries 85
Mean −0.01407
Std Dev 1.105
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

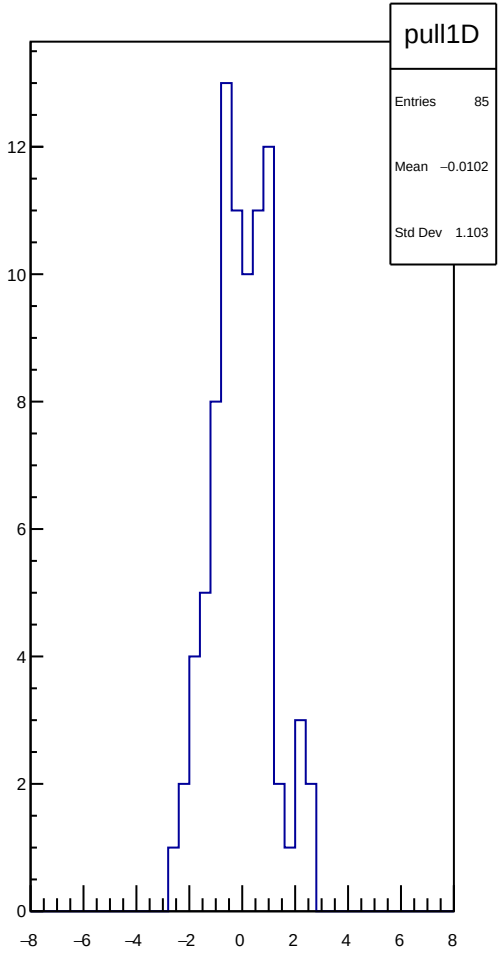

diff_bpm12X_rms vs run
χ^2 / ndf 4.641e+04 / 84
p0 5.071e+04 ± 40.23
70000
65000
60000
55000
50000
45000
40000
35000

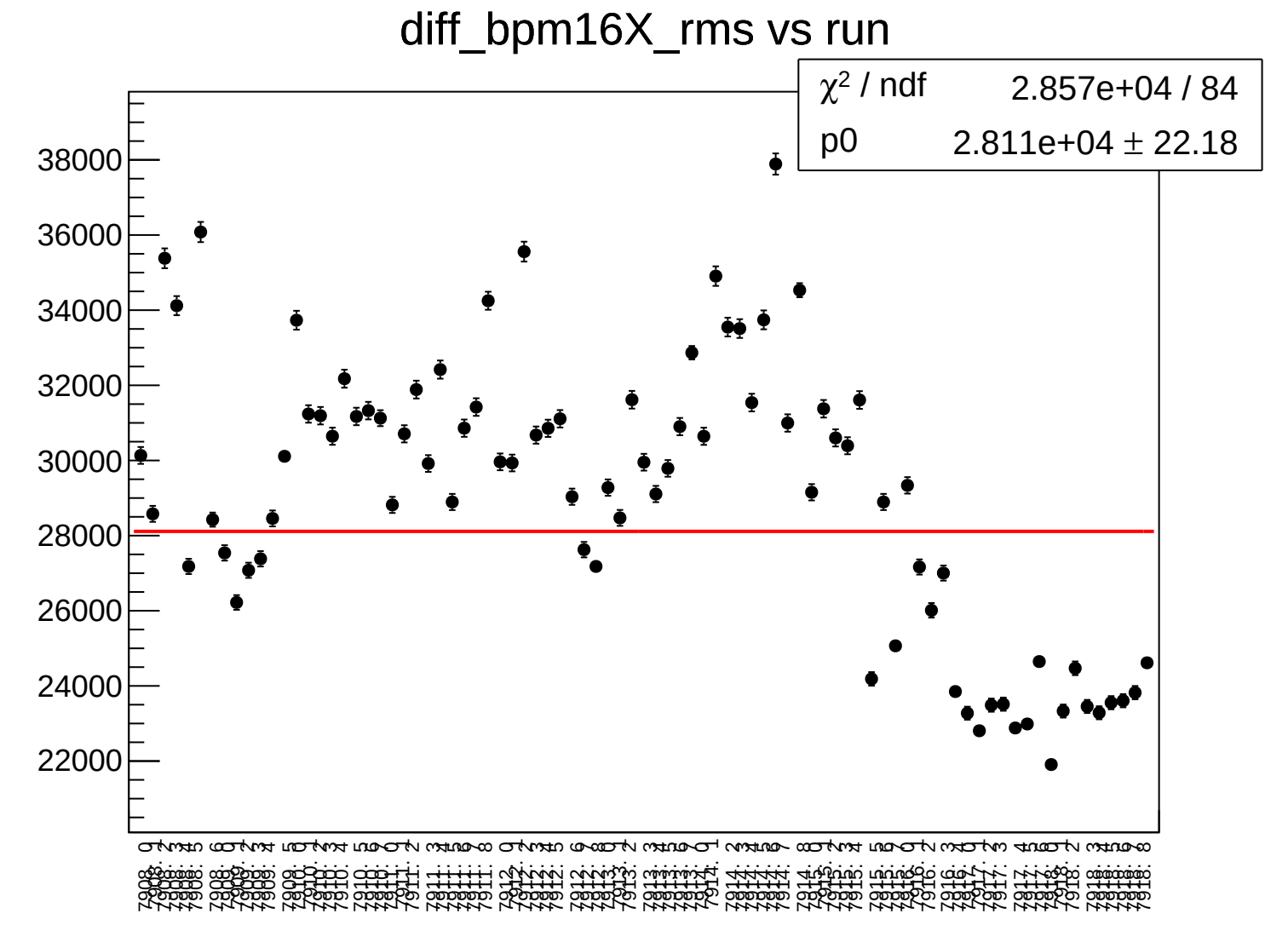

diff_bpm12Y_mean vs run
χ² / ndf 56.05 / 84
p0 −2.09 ± 3.573
pull
Entries 85
Mean 53.67
Std Dev 120.3

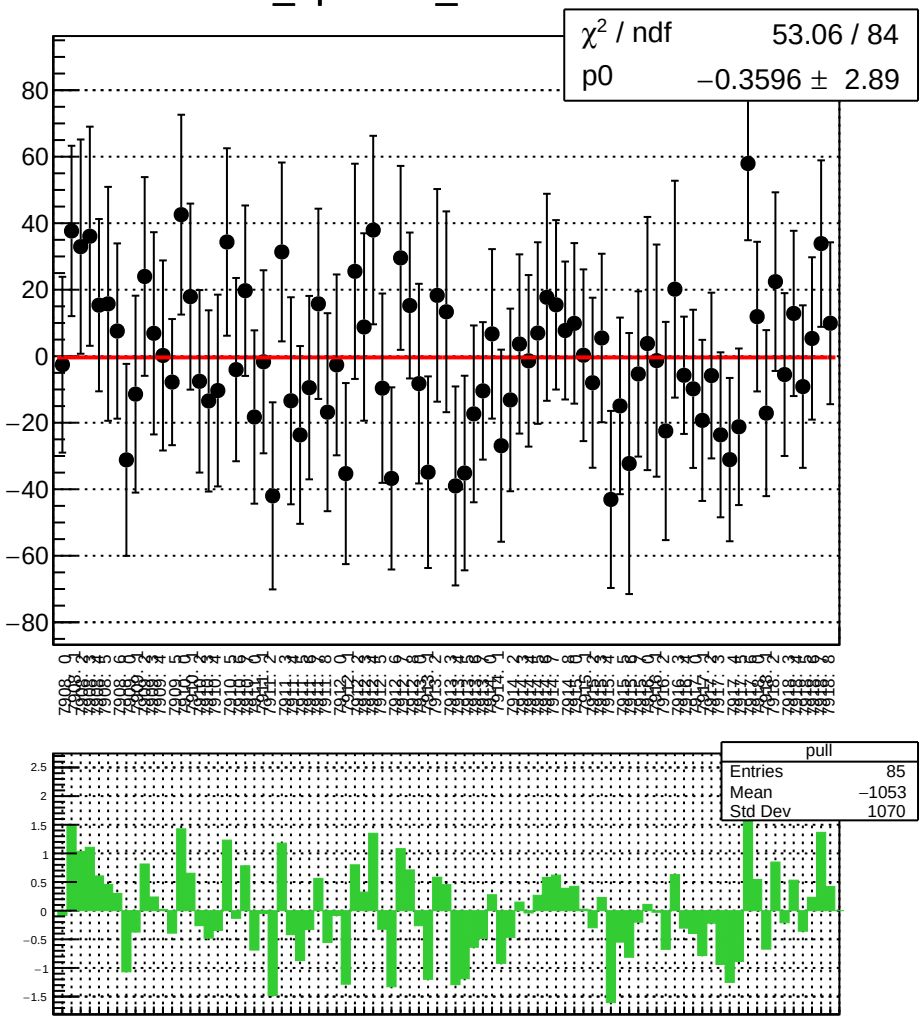

pull1D
Entries 85
Mean 0.007022
Std Dev 0.812

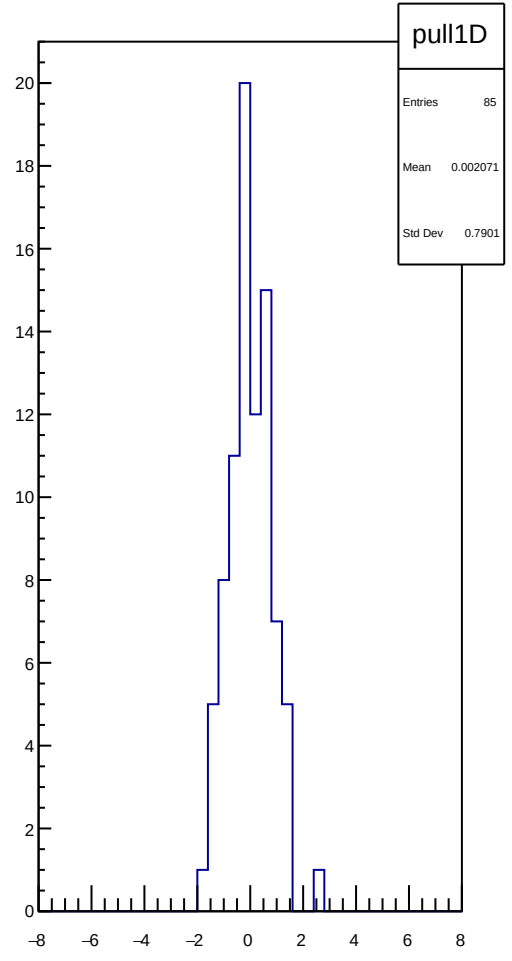

diff_bpm12Y_rms vs run
χ² / ndf 7441 / 84
p0 3223 ± 2.526
4400
4200
4000
3800
3600
3400
3200
3000
2800

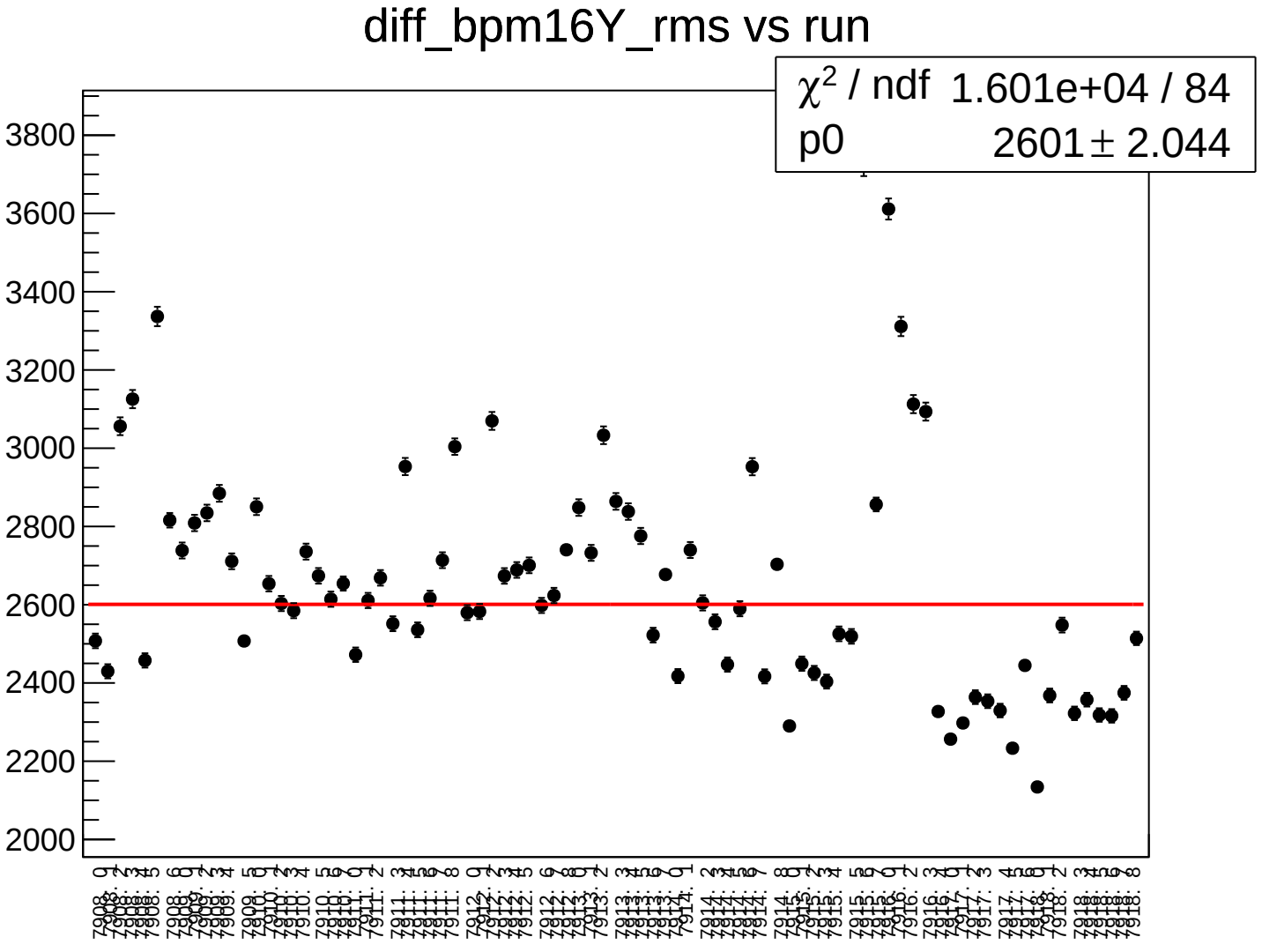

diff_bpm16X_mean vs run
χ² / ndf 103.5 / 84
p0 25.25 ± 31.36
1500
1000
500
0
−500
−1000
pull
Entries 85
Mean −6.526
Std Dev 73.05
3
2
1
0
−1
−2
−3

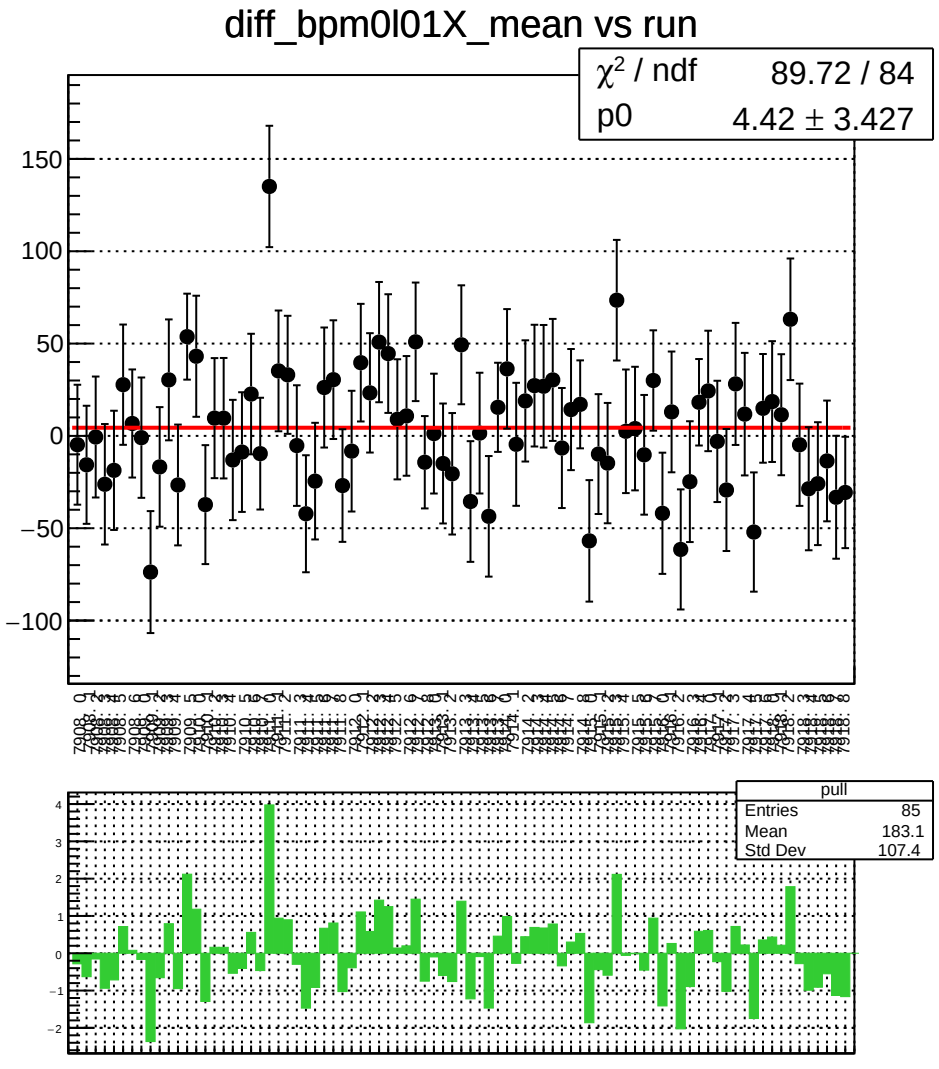

pull1D
Entries 85
Mean −0.0102
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

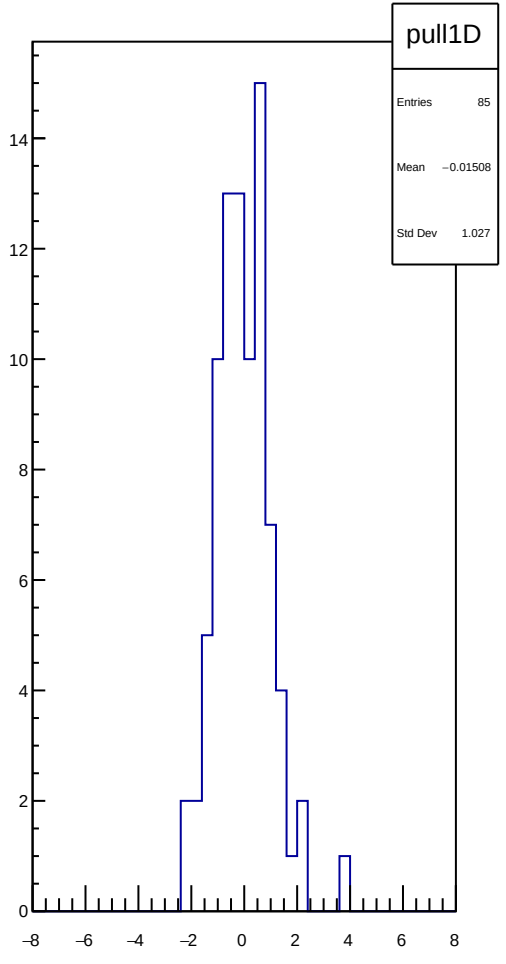

diff_bpm16X_rms vs run
χ² / ndf 2.857e+04 / 84
p0 2.811e+04 ± 22.18
38000
36000
34000
32000
30000
28000
26000
24000
22000

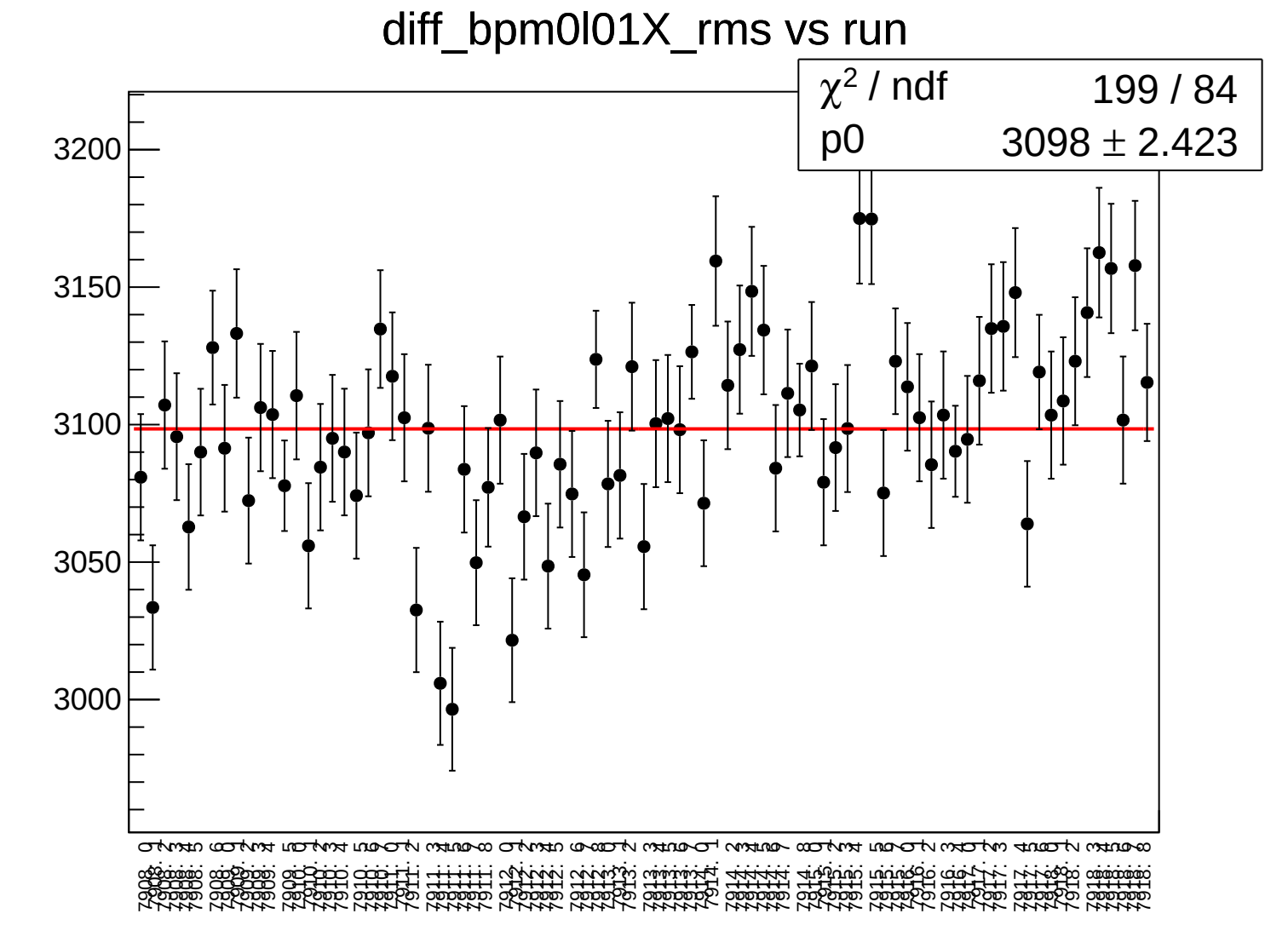

diff_bpm16Y_mean vs run
χ² / ndf 53.06 / 84
p0 −0.3596 ± 2.89
pull
Entries 85
Mean −1053
Std Dev 1070

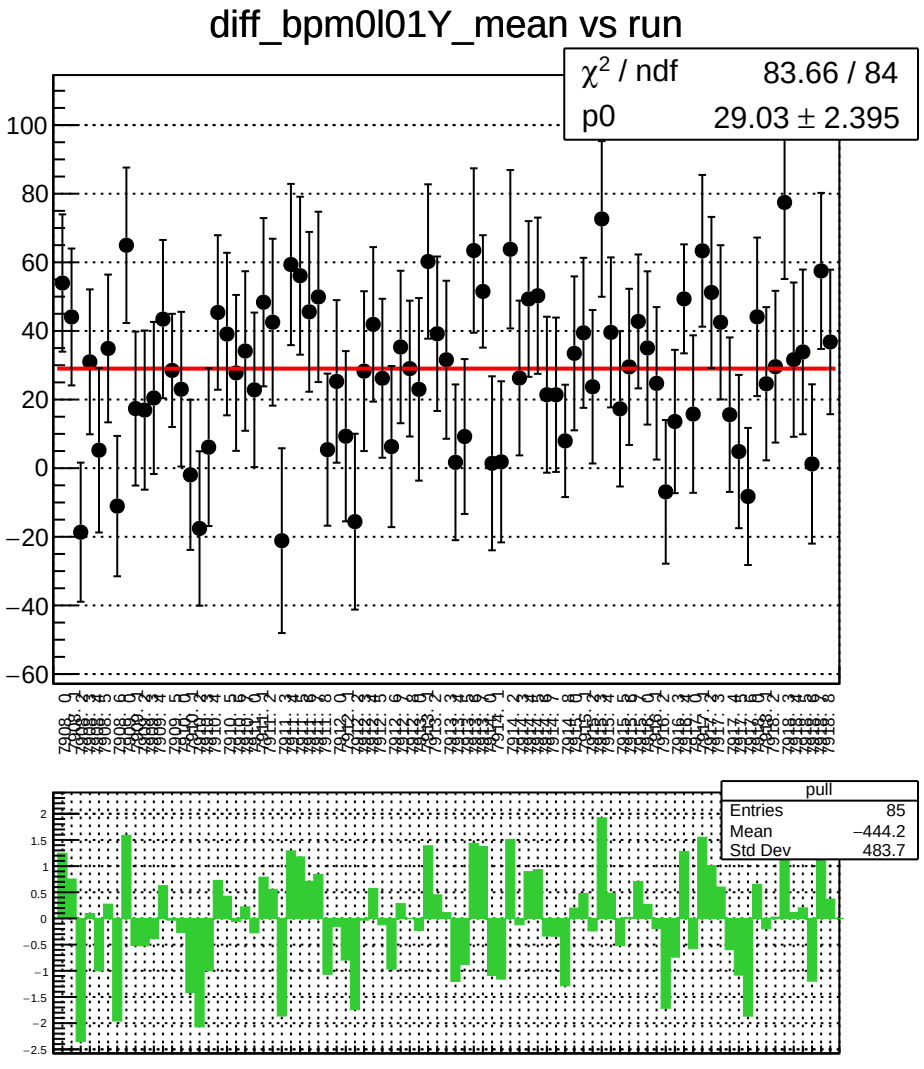

pull1D
Entries 85
Mean 0.002071
Std Dev 0.7901

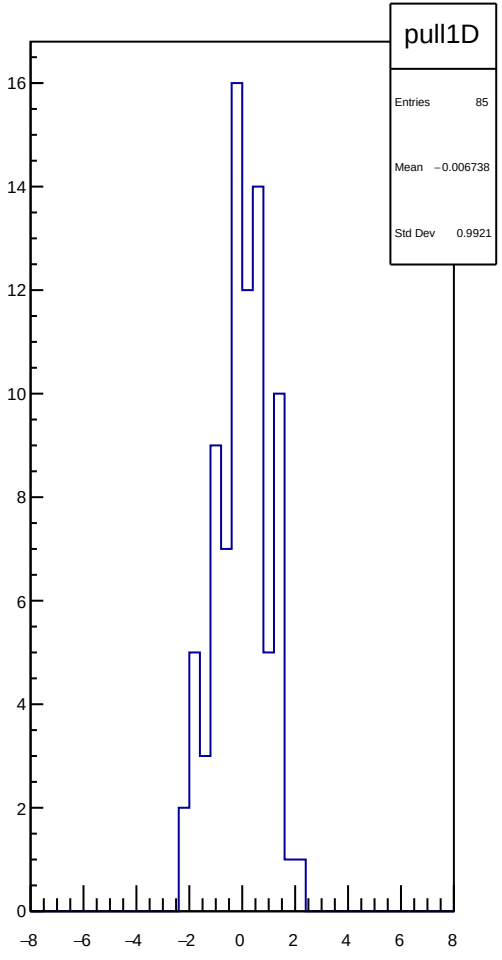

diff_bpm16Y_rms vs run
χ² / ndf 1.601e+04 / 84
p0 2601 ± 2.044
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

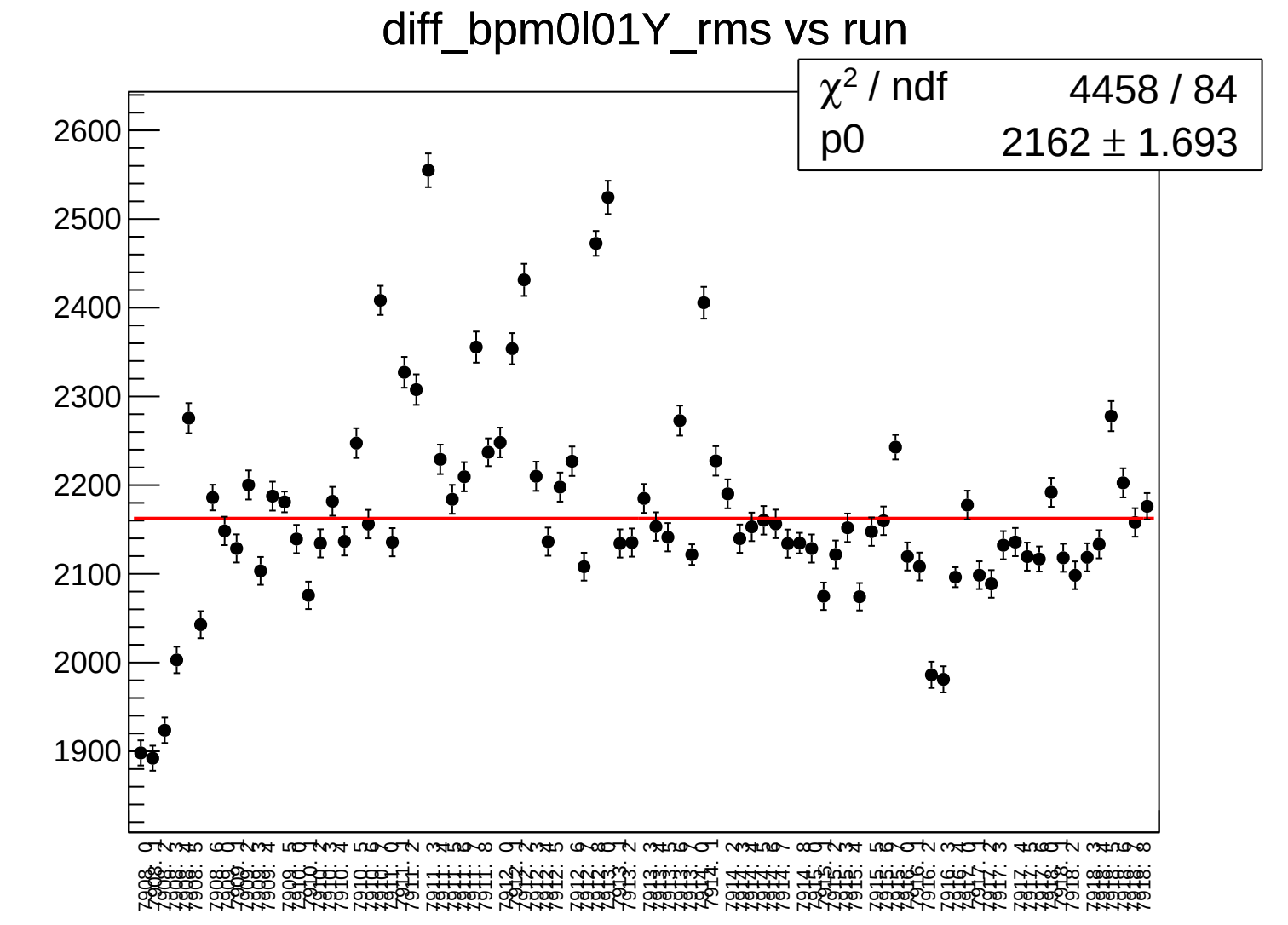

diff_bpm0l01X_mean vs run
χ² / ndf 89.72 / 84
p0 4.42 ± 3.427
150
100
50
0
−50
−100
pull
Entries 85
Mean 183.1
Std Dev 107.4
4
3
2
1
0
−1
−2

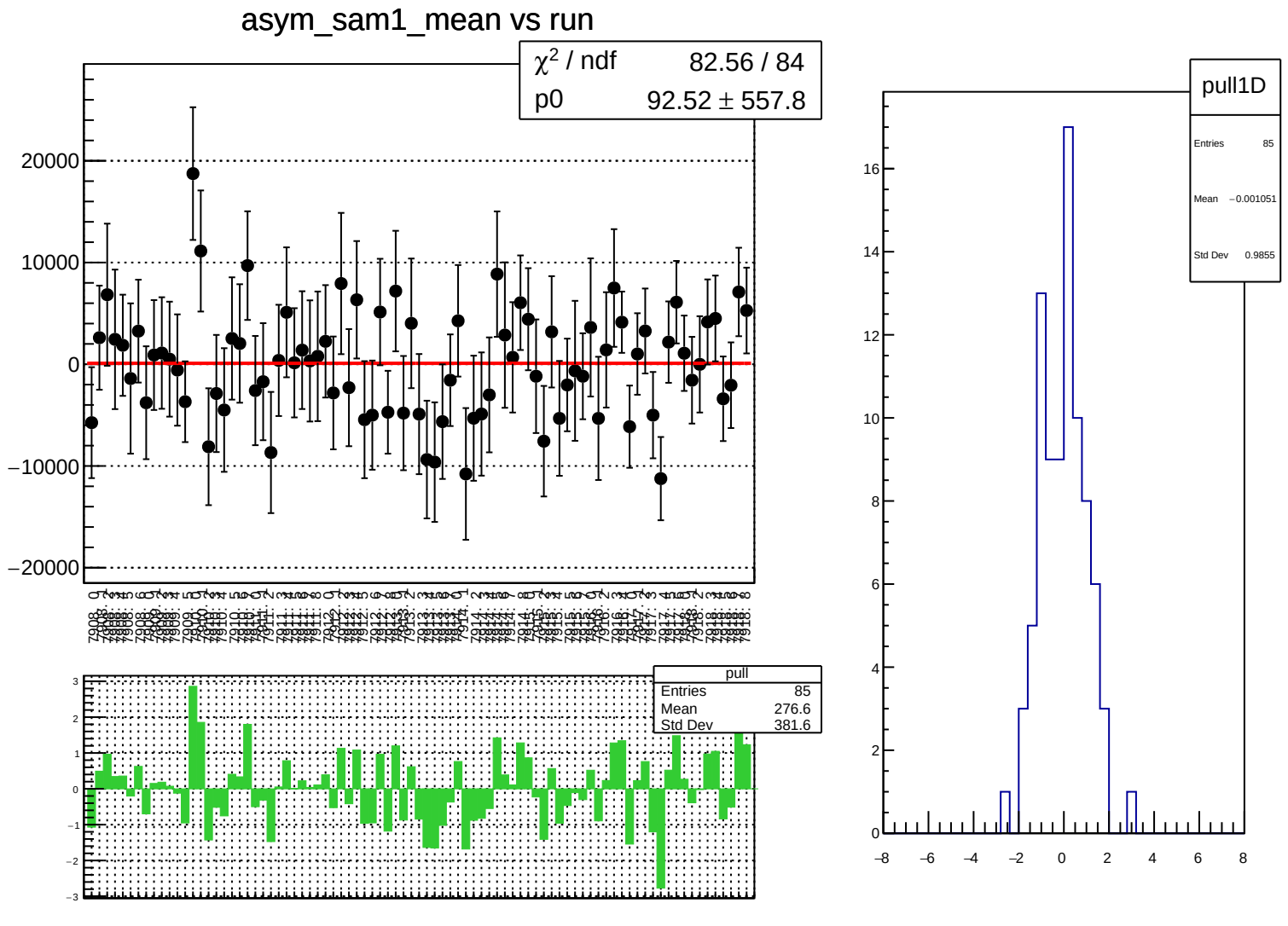

pull1D
Entries 85
Mean −0.01508
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

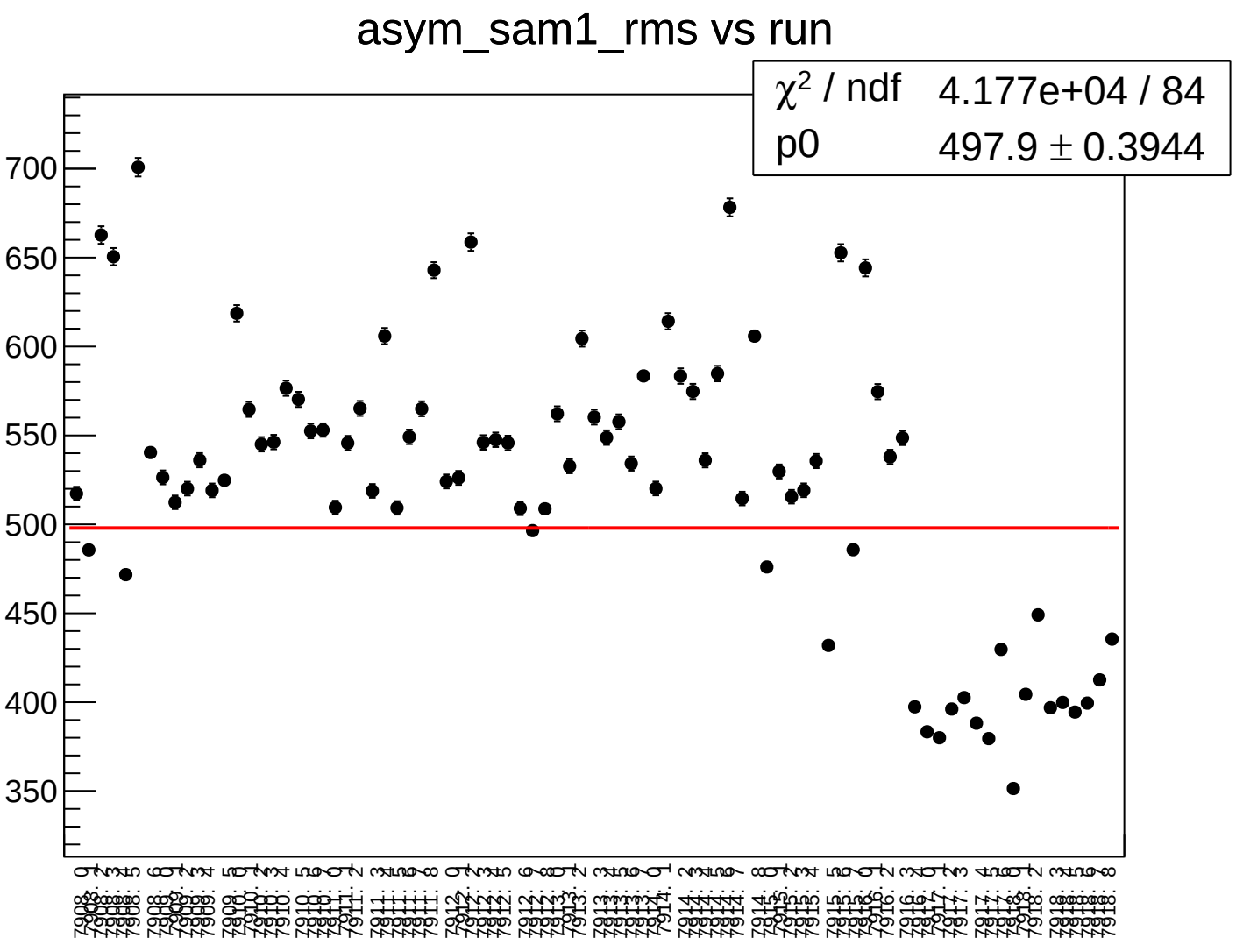

diff_bpm0l01X_rms vs run
χ² / ndf 199 / 84
p0 3098 ± 2.423
3200
3150
3100
3050
3000

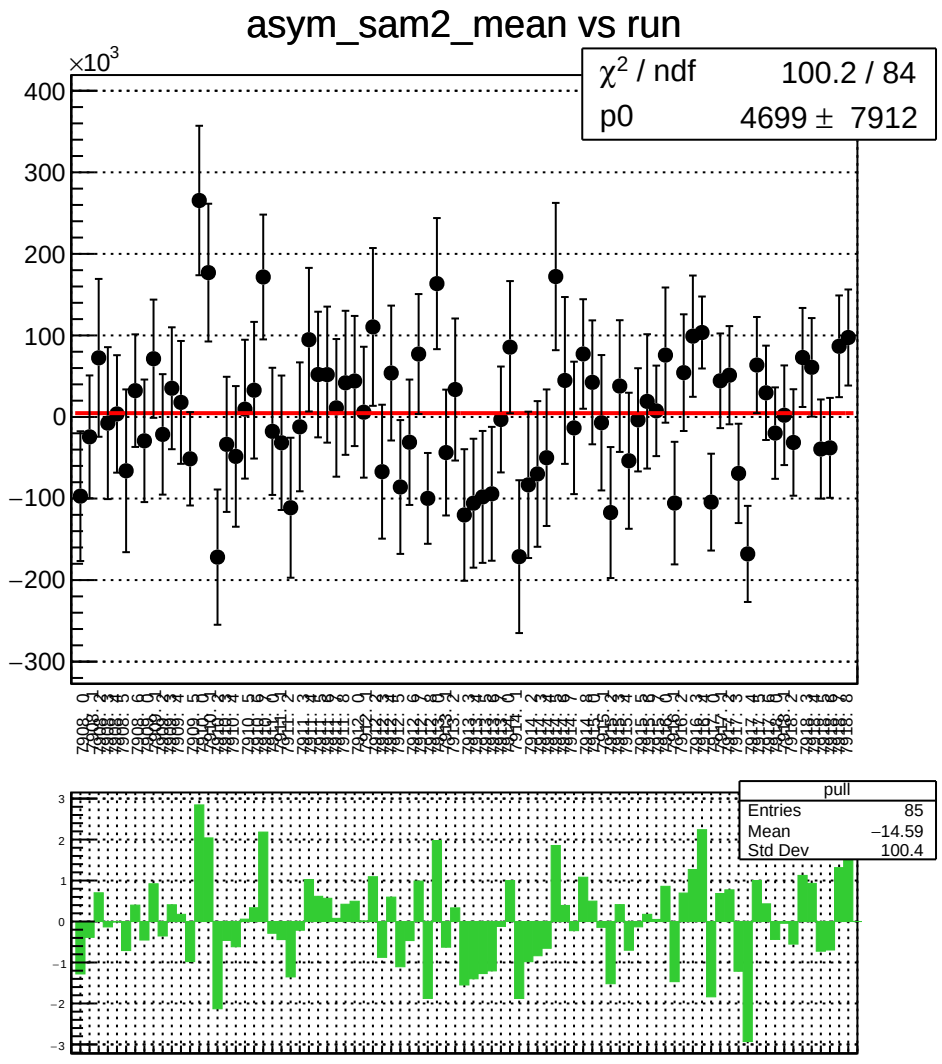

diff_bpm0l01Y_mean vs run
χ² / ndf 83.66 / 84
p0 29.03 ± 2.395
pull
Entries 85
Mean −444.2
Std Dev 483.7

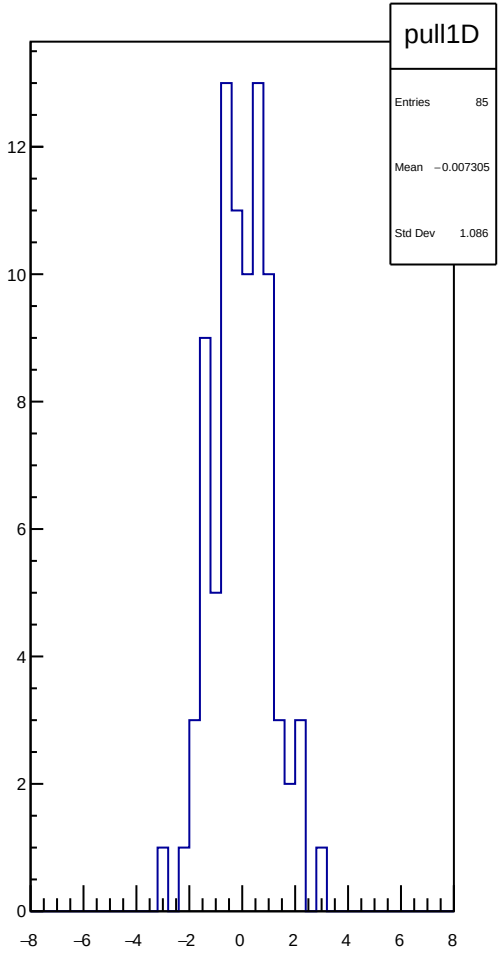

pull1D
Entries 85
Mean −0.006738
Std Dev 0.9921

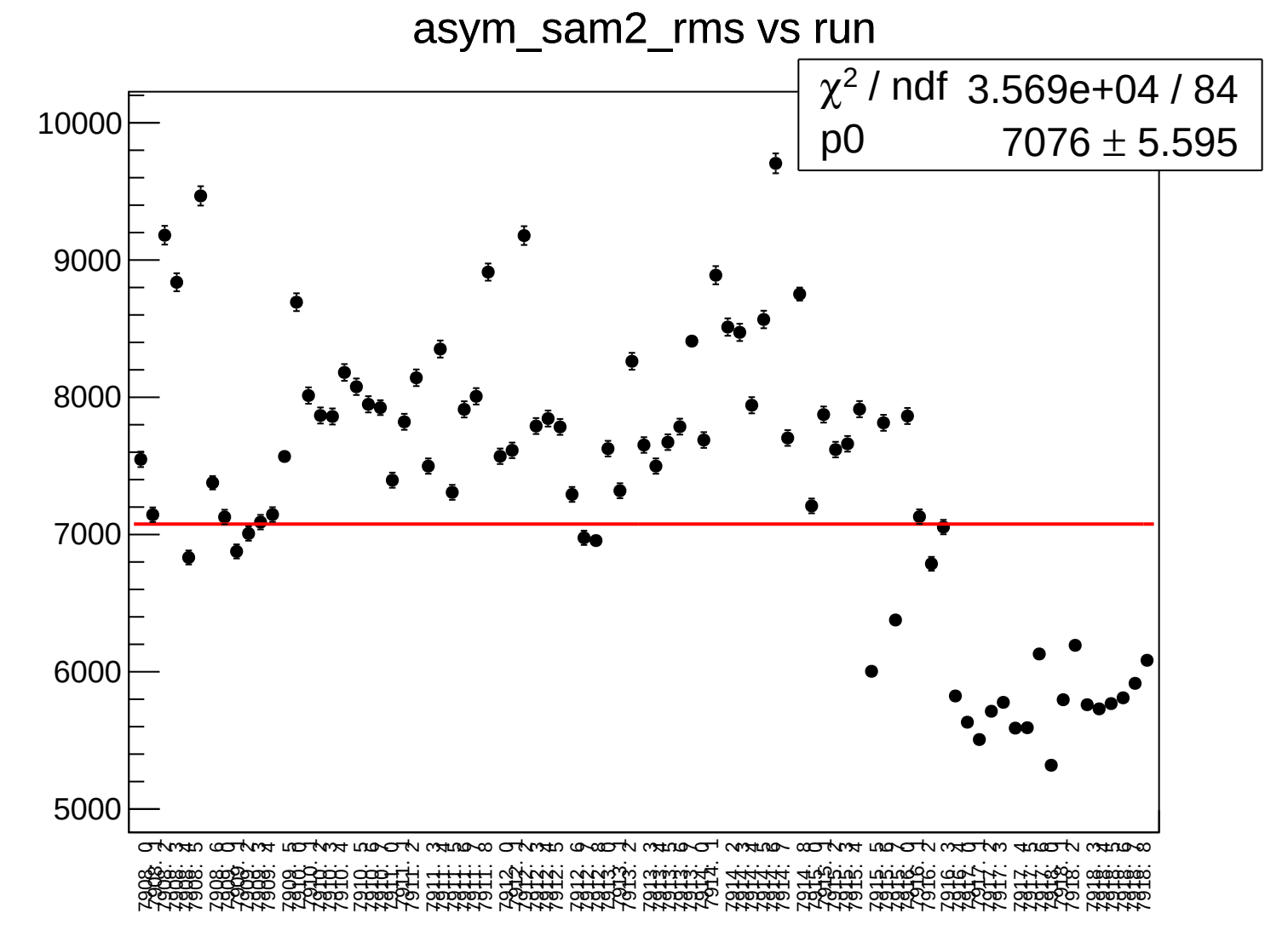

diff_bpm0l01Y_rms vs run
χ² / ndf 4458 / 84
p0 2162 ± 1.693
2600
2500
2400
2300
2200
2100
2000
1900

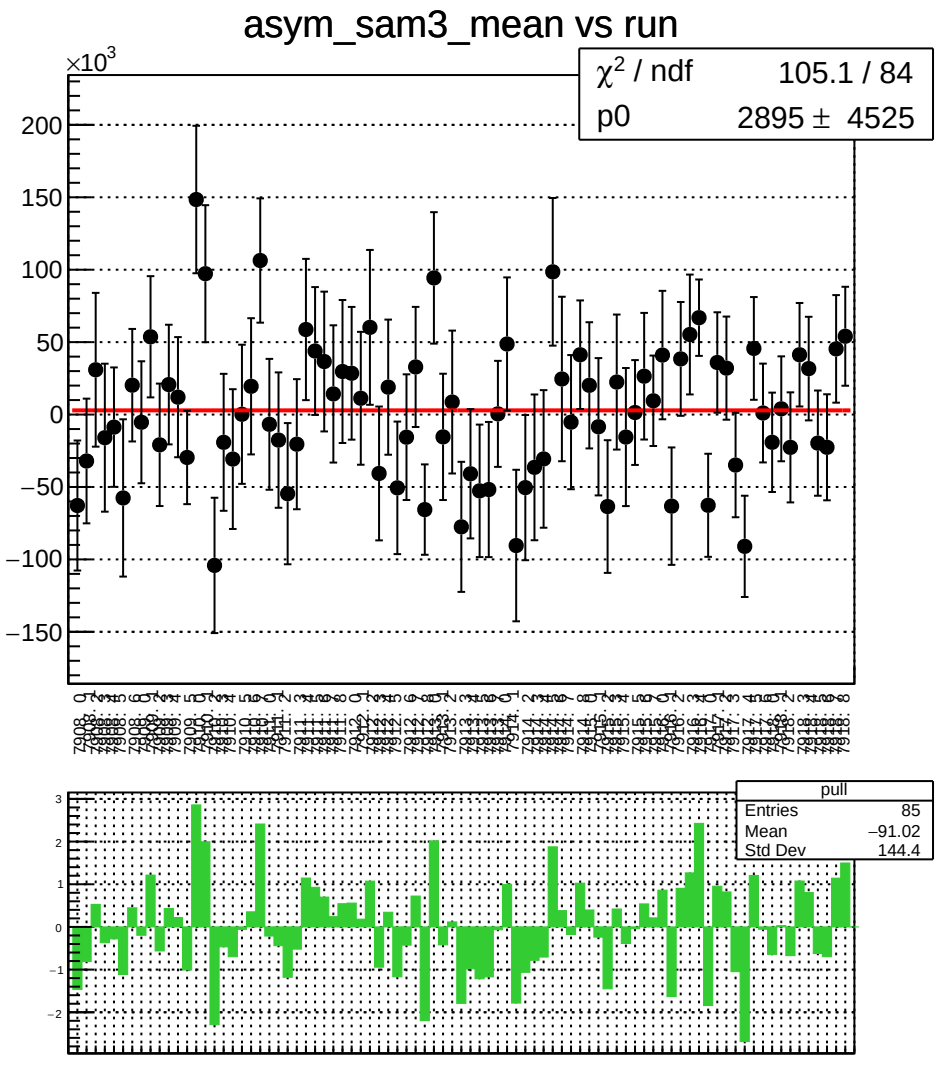

asym_sam1_mean vs run
χ² / ndf 82.56 / 84
p0 92.52 ± 557.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 276.6
Std Dev 381.6
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.001051
Std Dev 0.9855
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

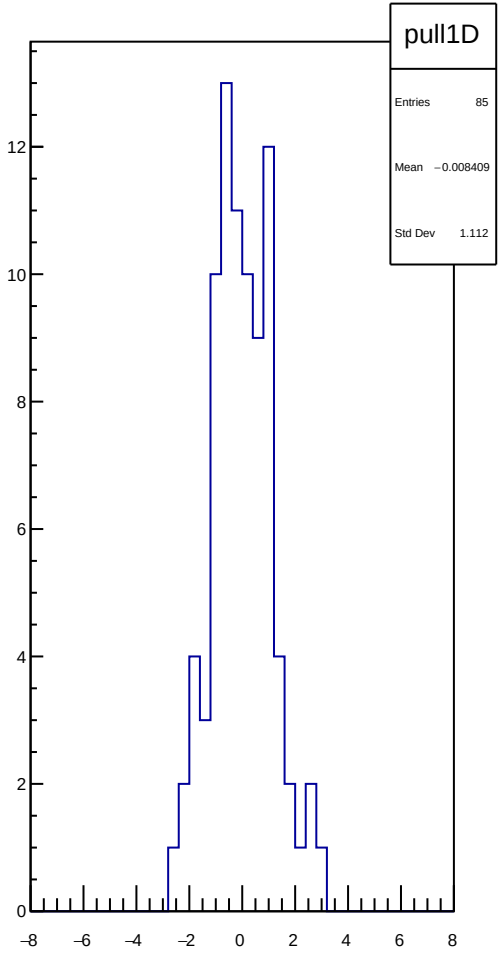

asym_sam1_rms vs run
χ² / ndf 4.177e+04 / 84
p0 497.9 ± 0.3944
700
650
600
550
500
450
400
350

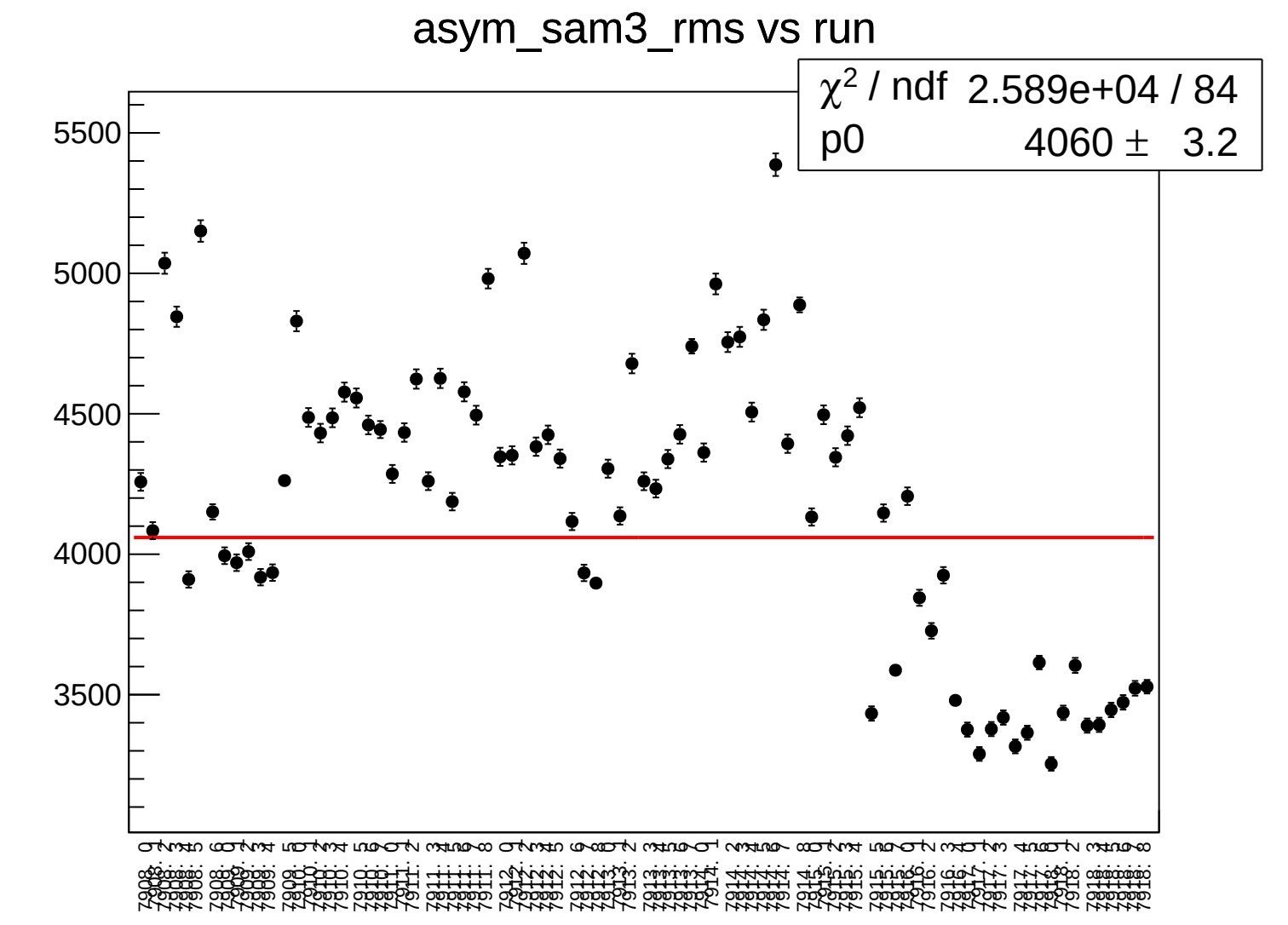

asym_sam2_mean vs run
×10^3
χ^2 / ndf 100.2 / 84
p0 4699 ± 7912
pull
Entries 85
Mean −14.59
Std Dev 100.4

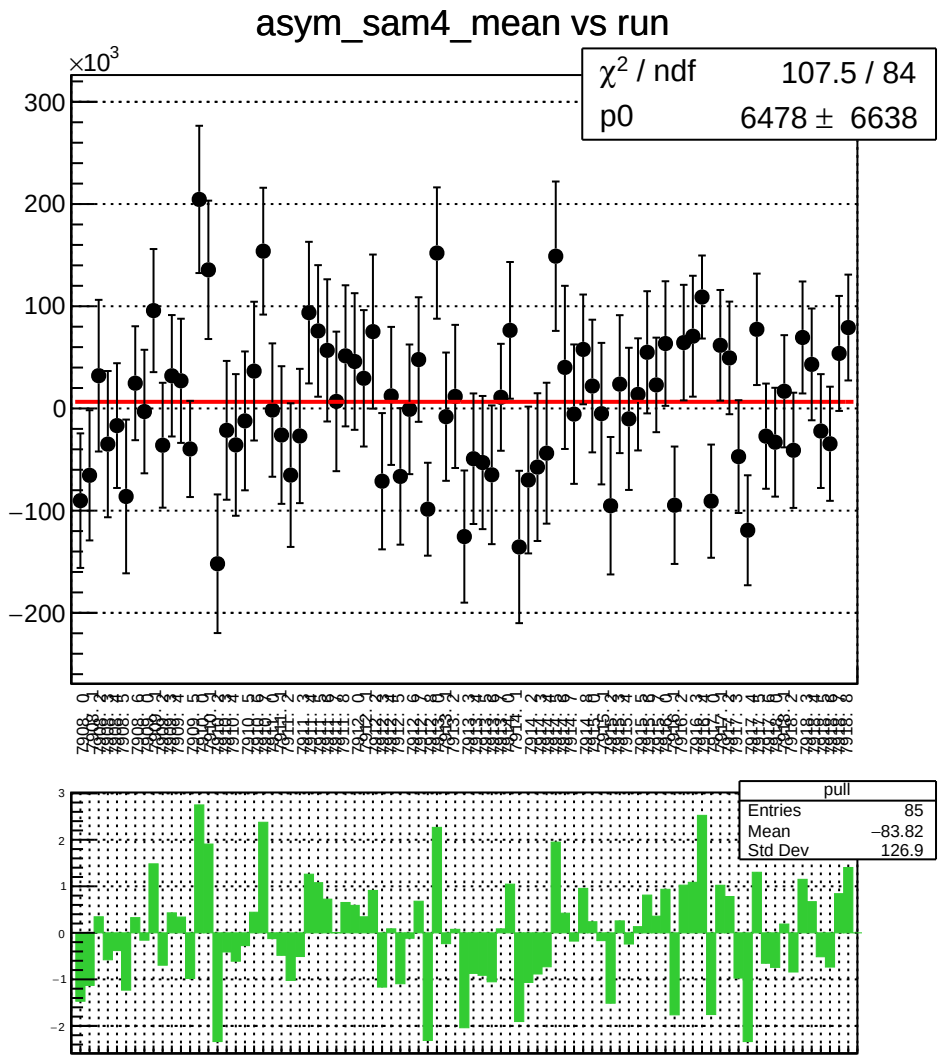

pull1D
Entries 85
Mean −0.007305
Std Dev 1.086

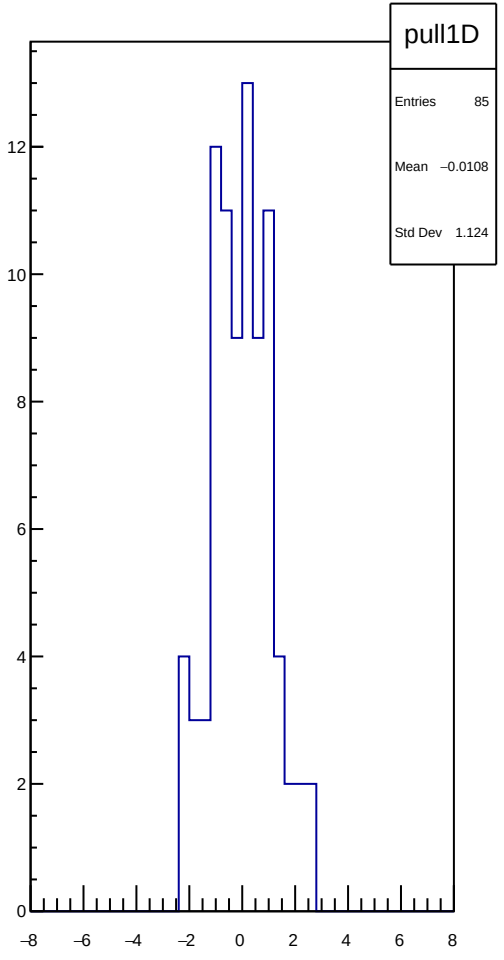

asym_sam2_rms vs run
χ² / ndf 3.569e+04 / 84
p0 7076 ± 5.595
10000
9000
8000
7000
6000
5000

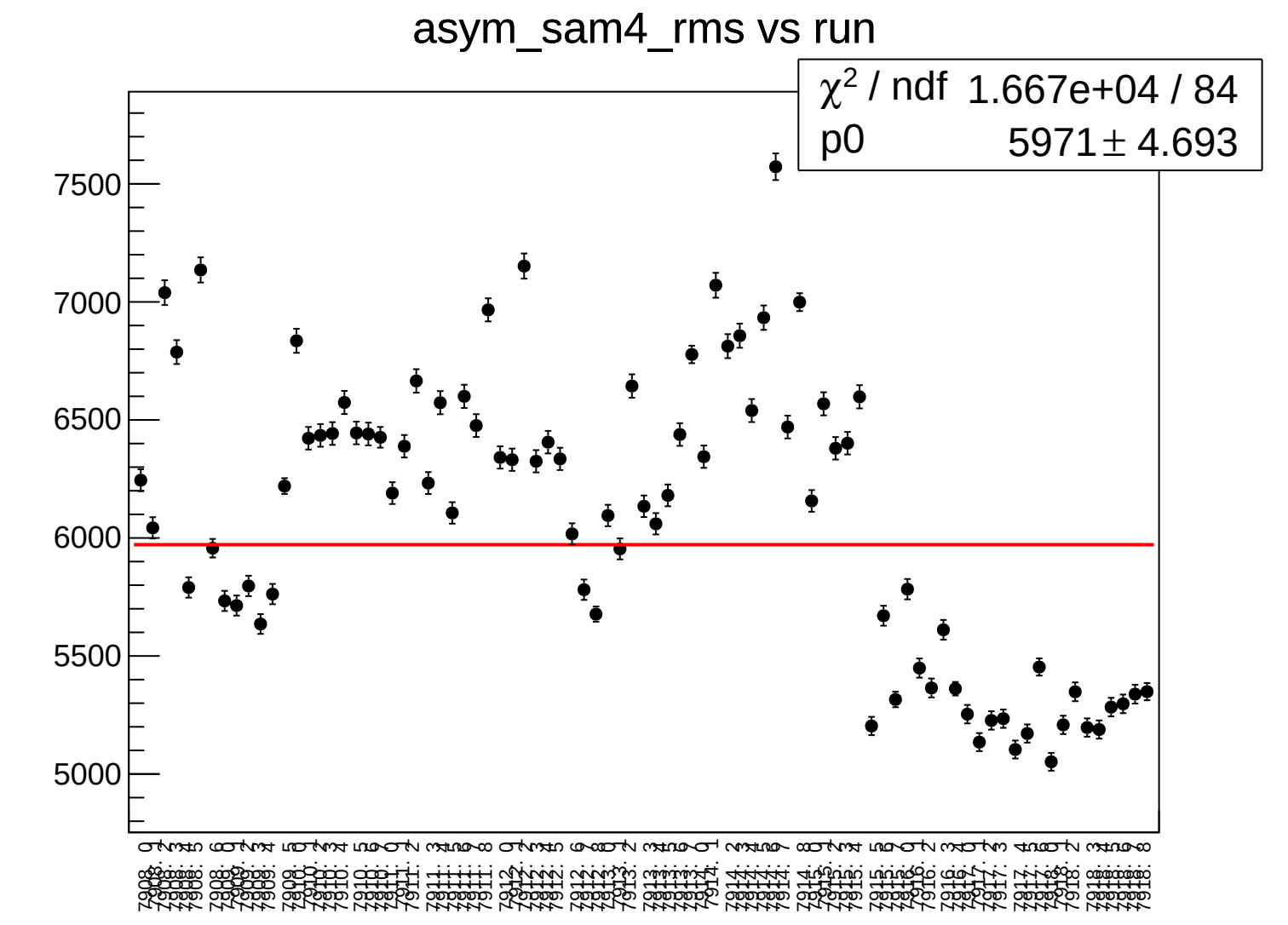

asym_sam3_mean vs run
×10^3
χ^2 / ndf 105.1 / 84
p0 2895 ± 4525
200
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −91.02
Std Dev 144.4
3
2
1
0
−1
−2

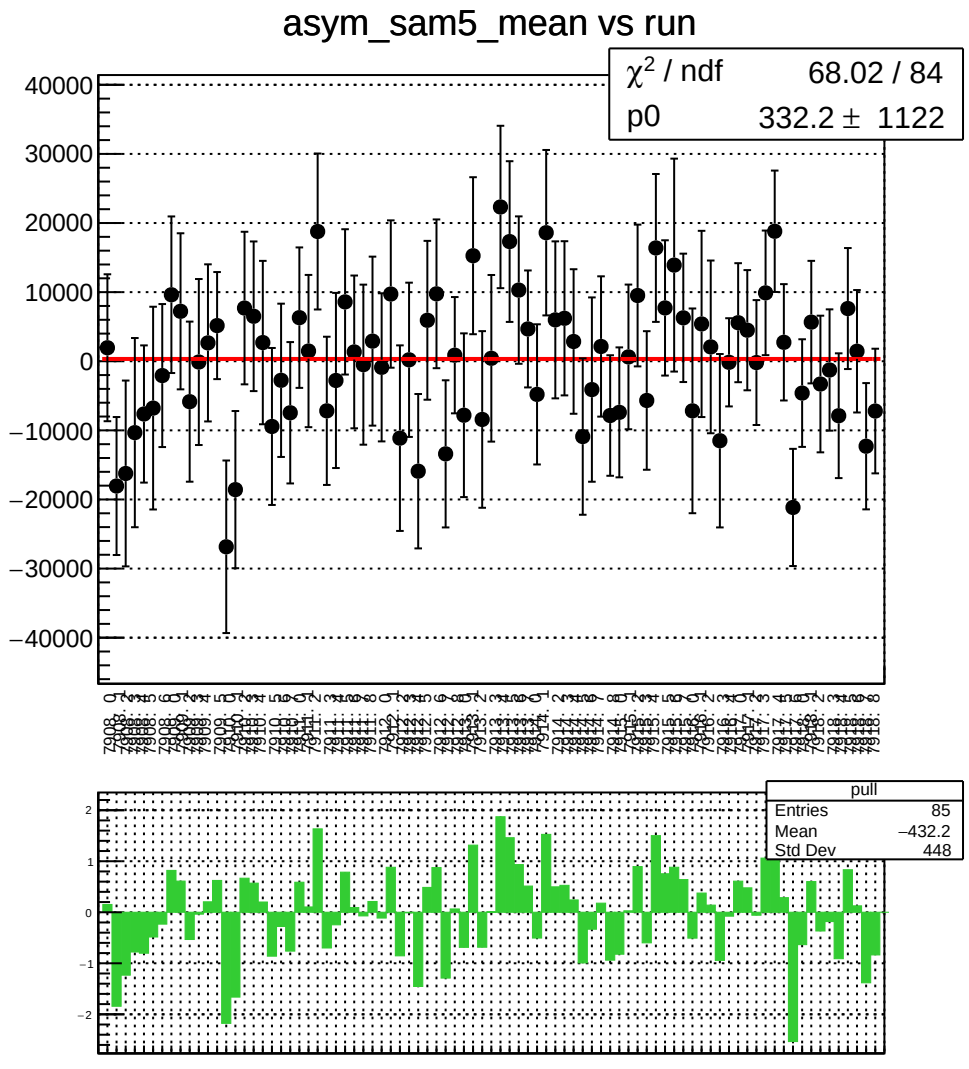

pull1D
Entries 85
Mean −0.008409
Std Dev 1.112
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

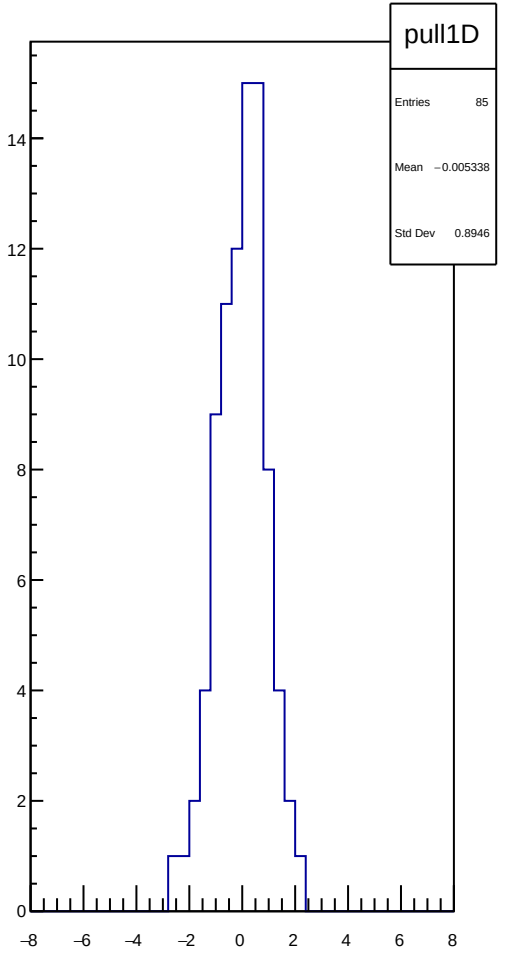

asym_sam3_rms vs run
χ² / ndf 2.589e+04 / 84
p0 4060 ± 3.2
5500
5000
4500
4000
3500

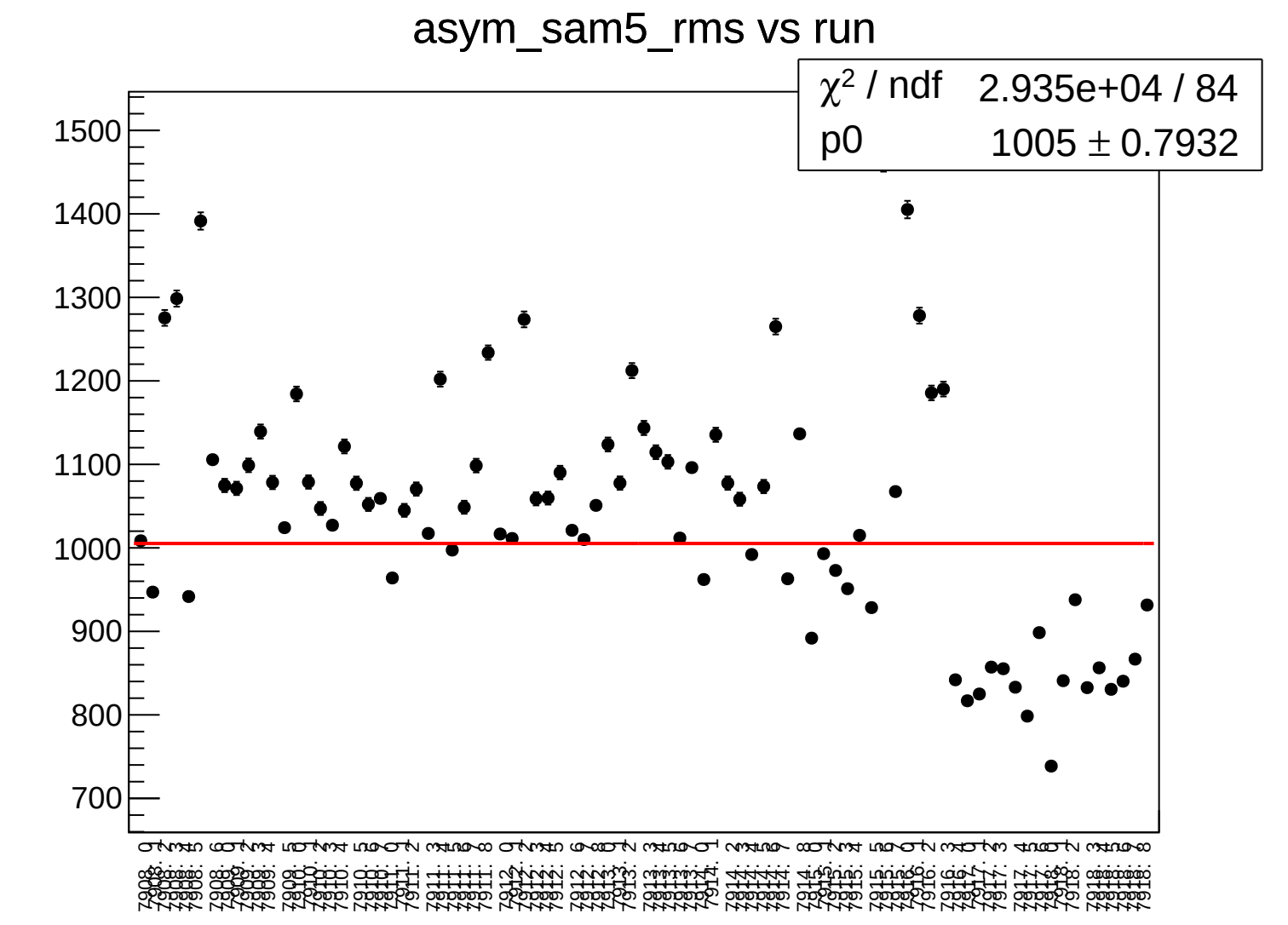

asym_sam4_mean vs run
×10^3
χ² / ndf 107.5 / 84
p0 6478 ± 6638
300
200
100
0
−100
−200
pull
Entries 85
Mean −83.82
Std Dev 126.9
3
2
1
0
−1
−2

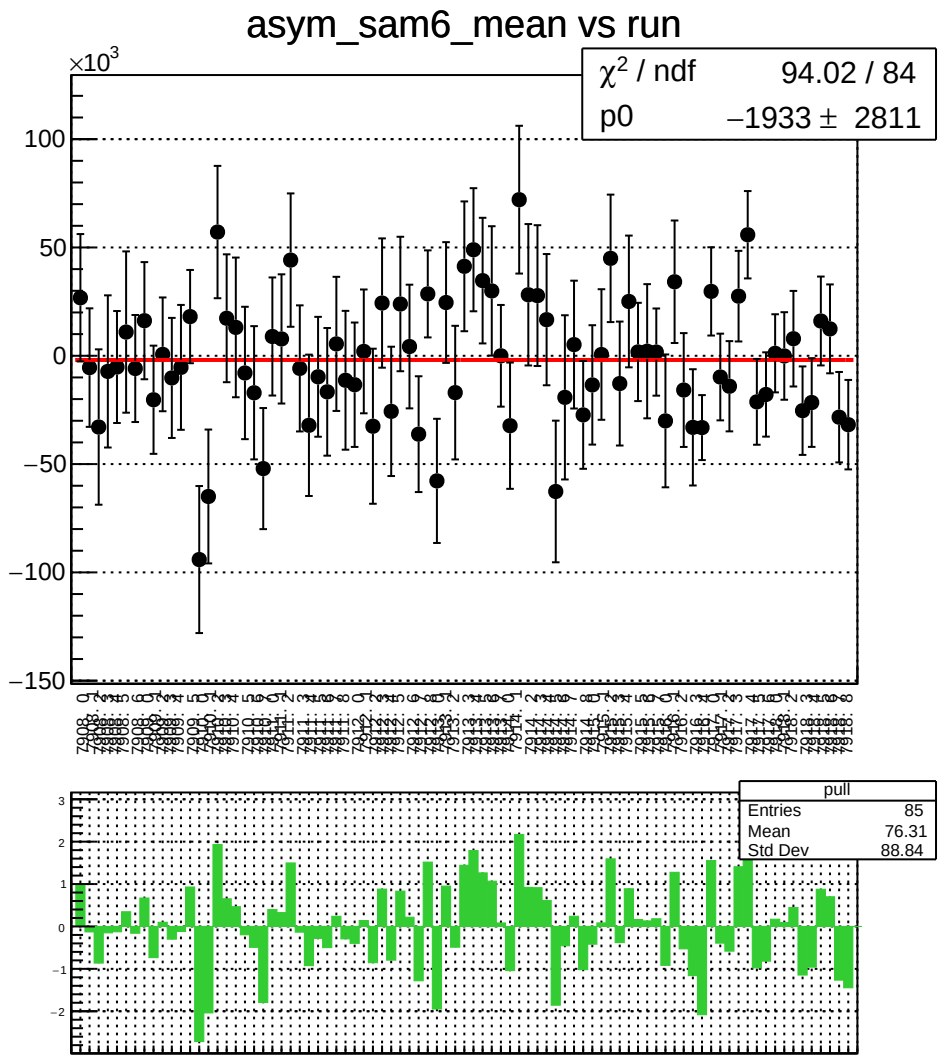

pull1D
Entries 85
Mean −0.0108
Std Dev 1.124
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

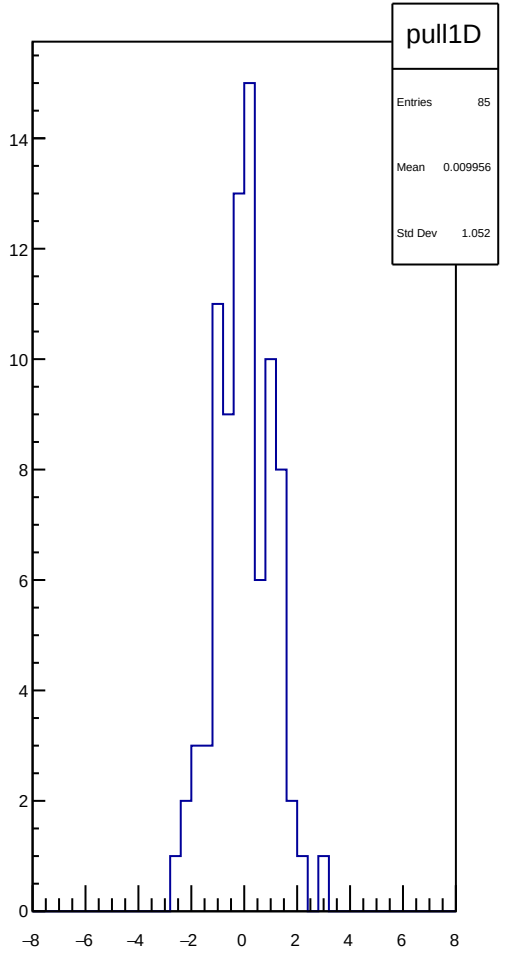

asym_sam4_rms vs run
χ² / ndf 1.667e+04 / 84
p0 5971 ± 4.693
7500
7000
6500
6000
5500
5000

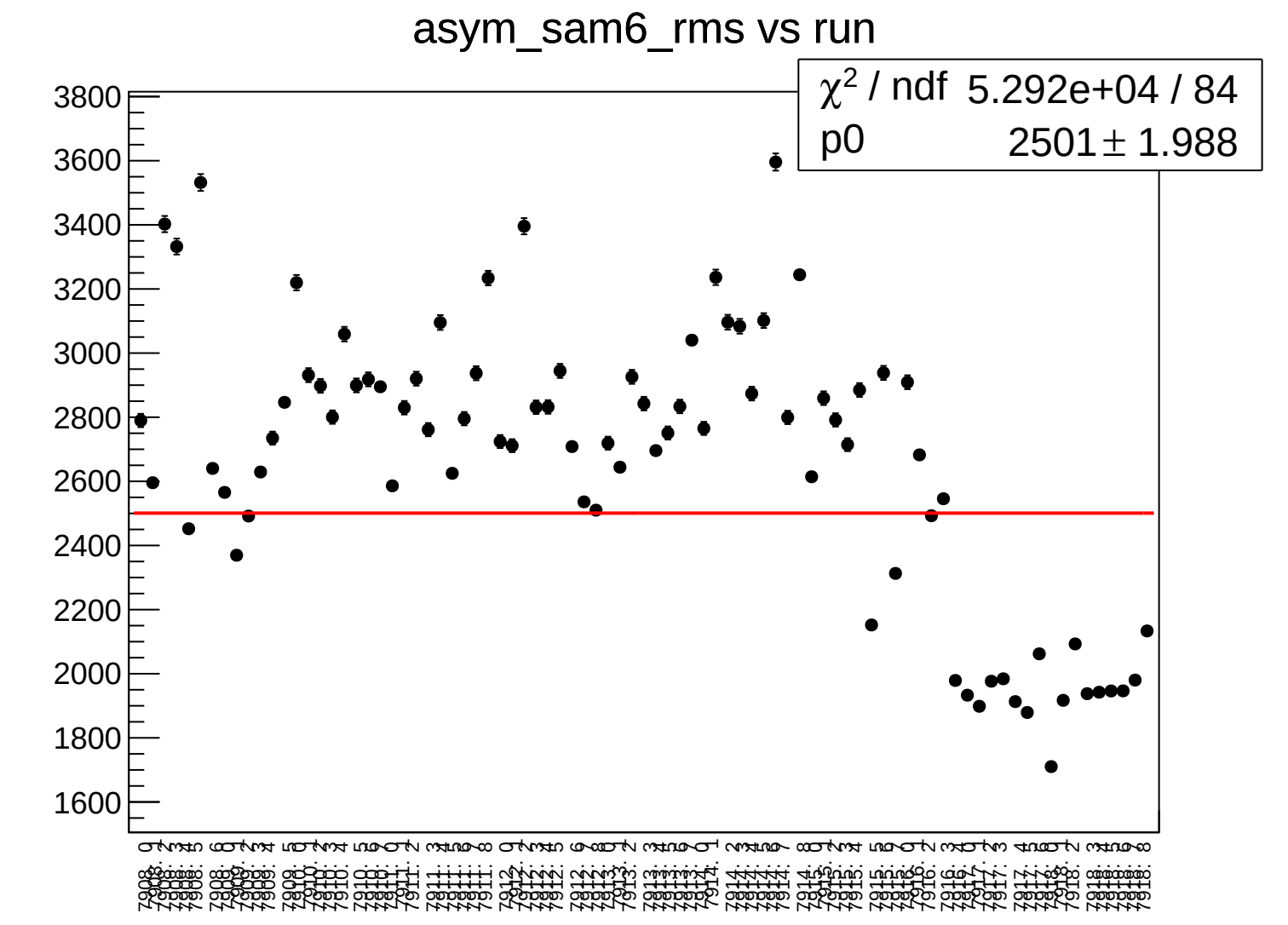

asym_sam5_mean vs run
χ² / ndf 68.02 / 84
p0 332.2 ± 1122
pull
Entries 85
Mean −432.2
Std Dev 448

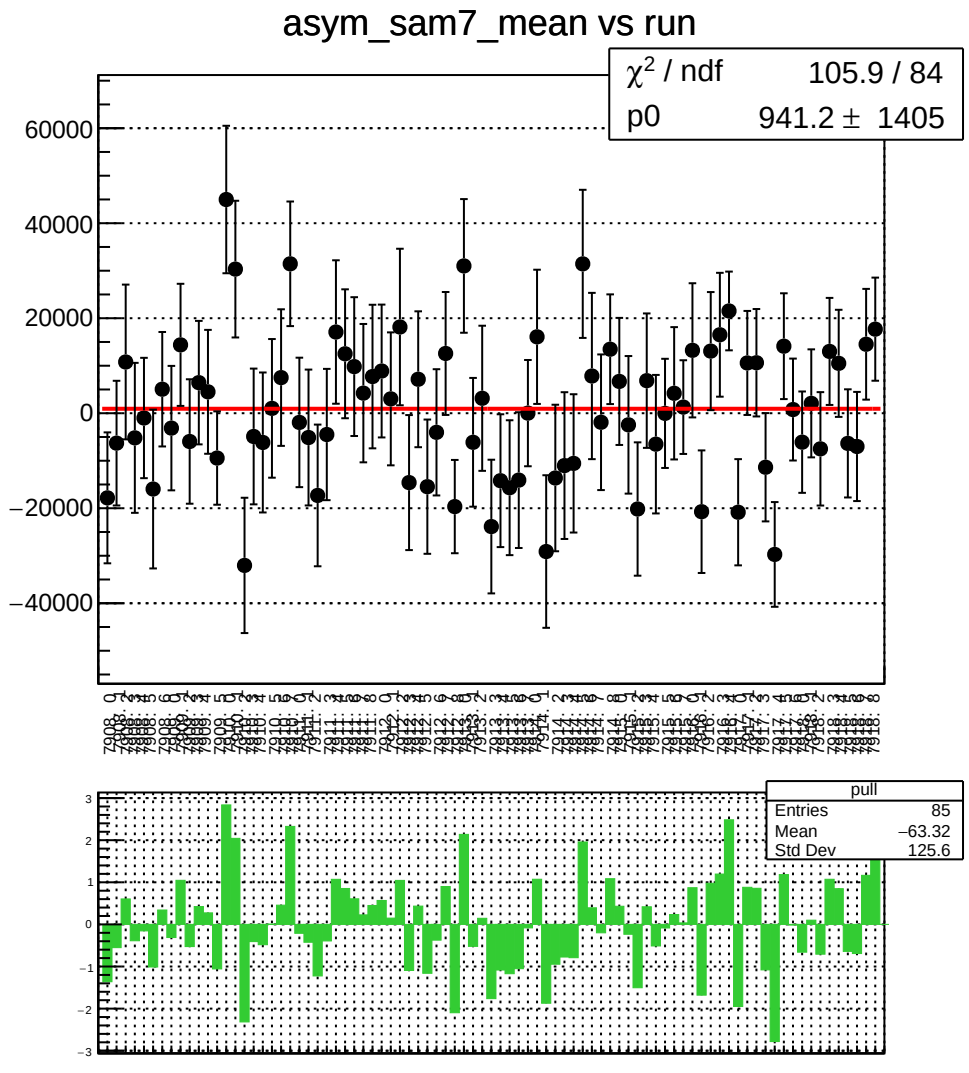

pull1D
Entries 85
Mean −0.005338
Std Dev 0.8946

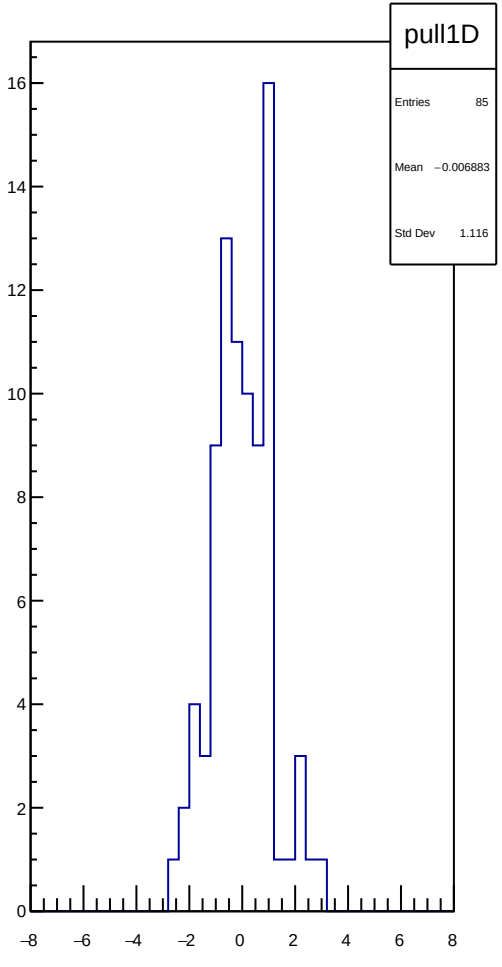

asym_sam5_rms vs run
χ² / ndf 2.935e+04 / 84
p0 1005 ± 0.7932
1500
1400
1300
1200
1100
1000
900
800
700

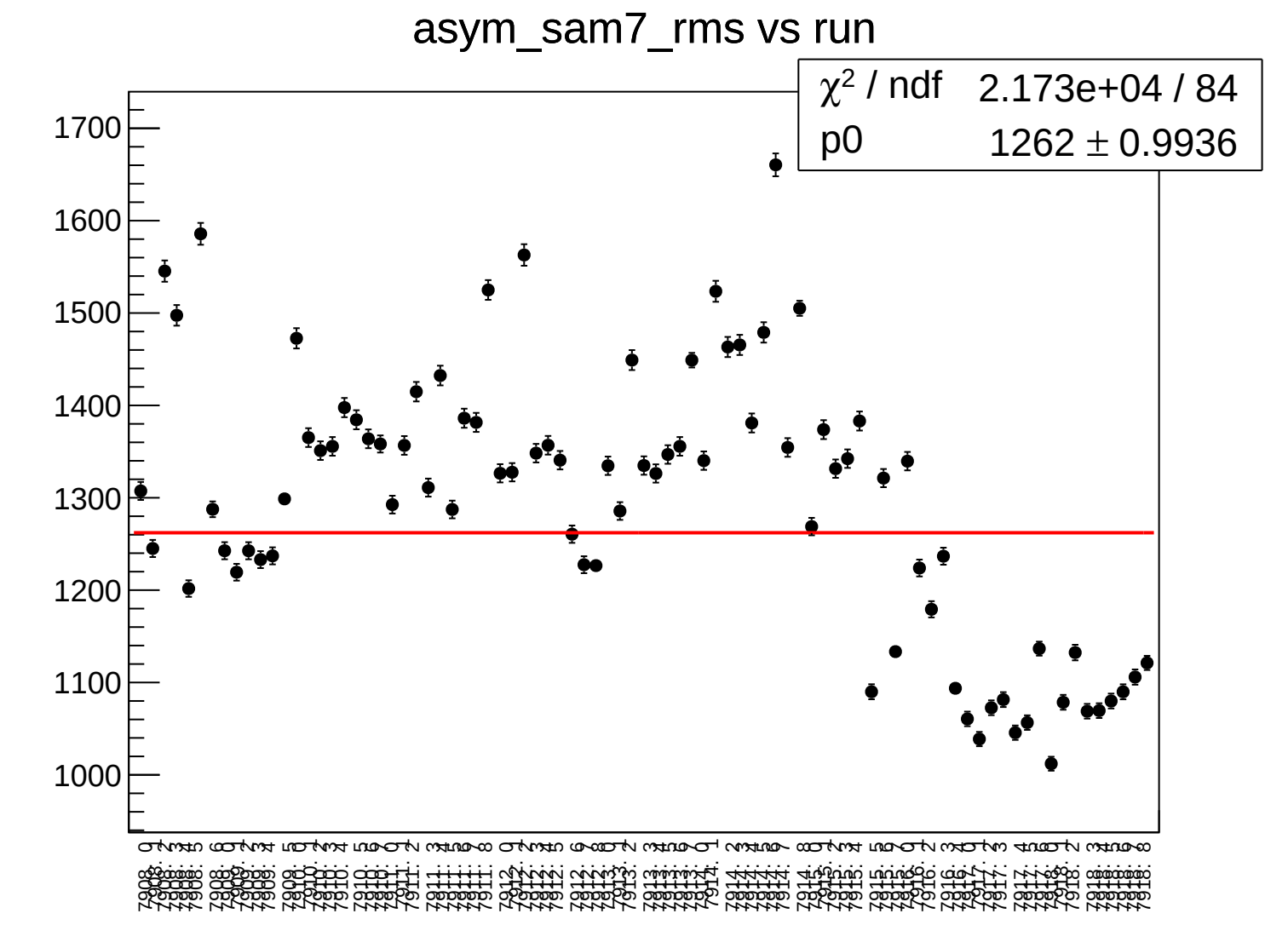

asym_sam6_mean vs run
×10^3
χ² / ndf 94.02 / 84
p0 −1933 ± 2811
100
50
0
−50
−100
−150
pull
Entries 85
Mean 76.31
Std Dev 88.84
3
2
1
0
−1
−2

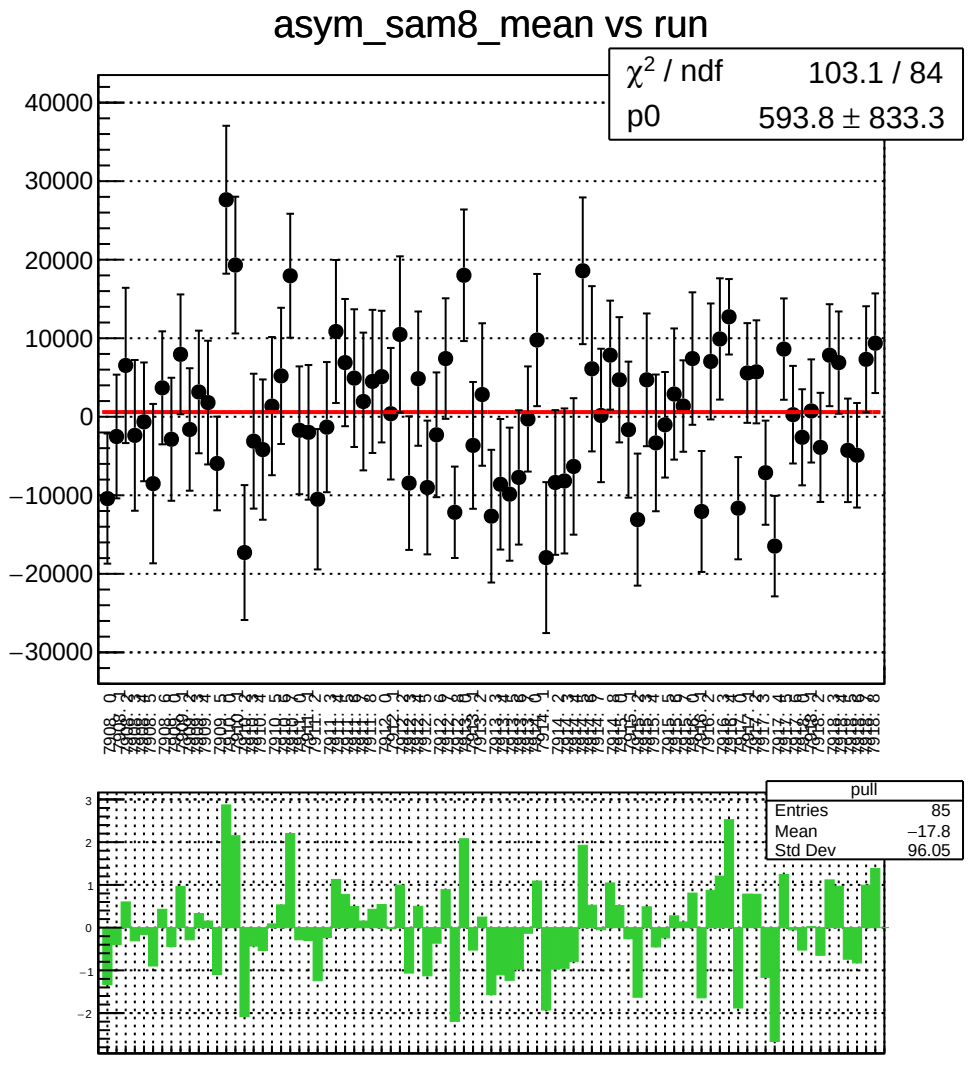

pull1D
Entries 85
Mean 0.009956
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

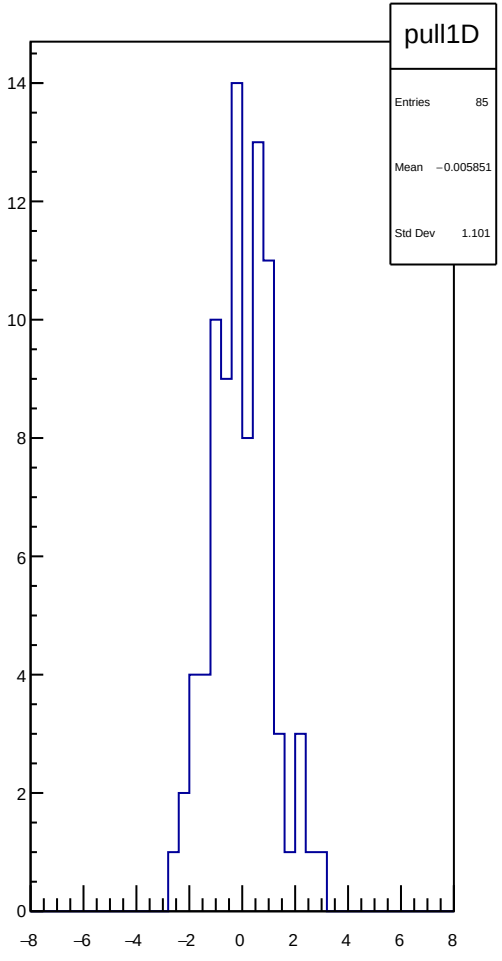

asym_sam6_rms vs run
χ² / ndf 5.292e+04 / 84
p0 2501 ± 1.988
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

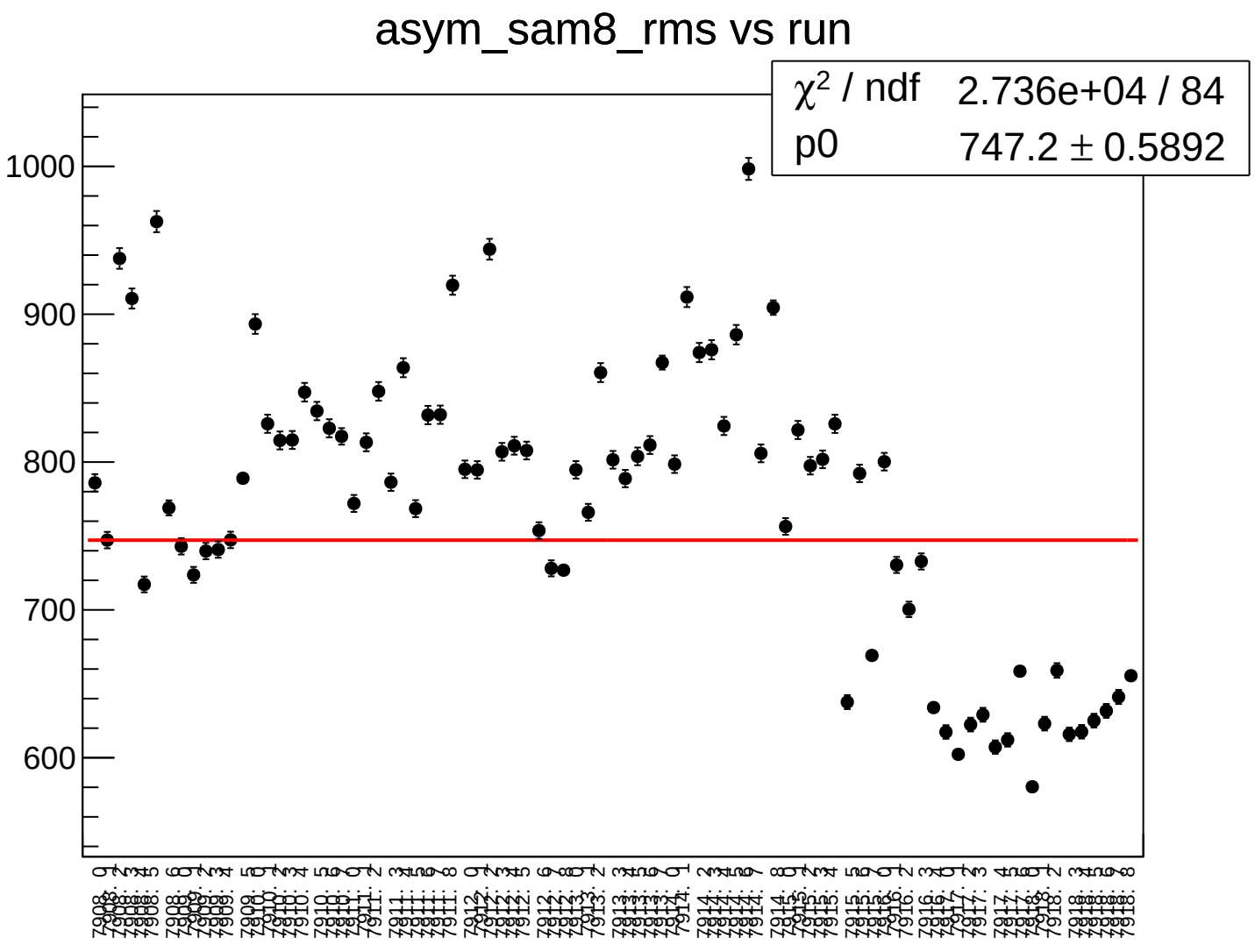

asym_sam7_mean vs run
χ² / ndf 105.9 / 84
p0 941.2 ± 1405
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −63.32
Std Dev 125.6
3
2
1
0
−1
−2
−3

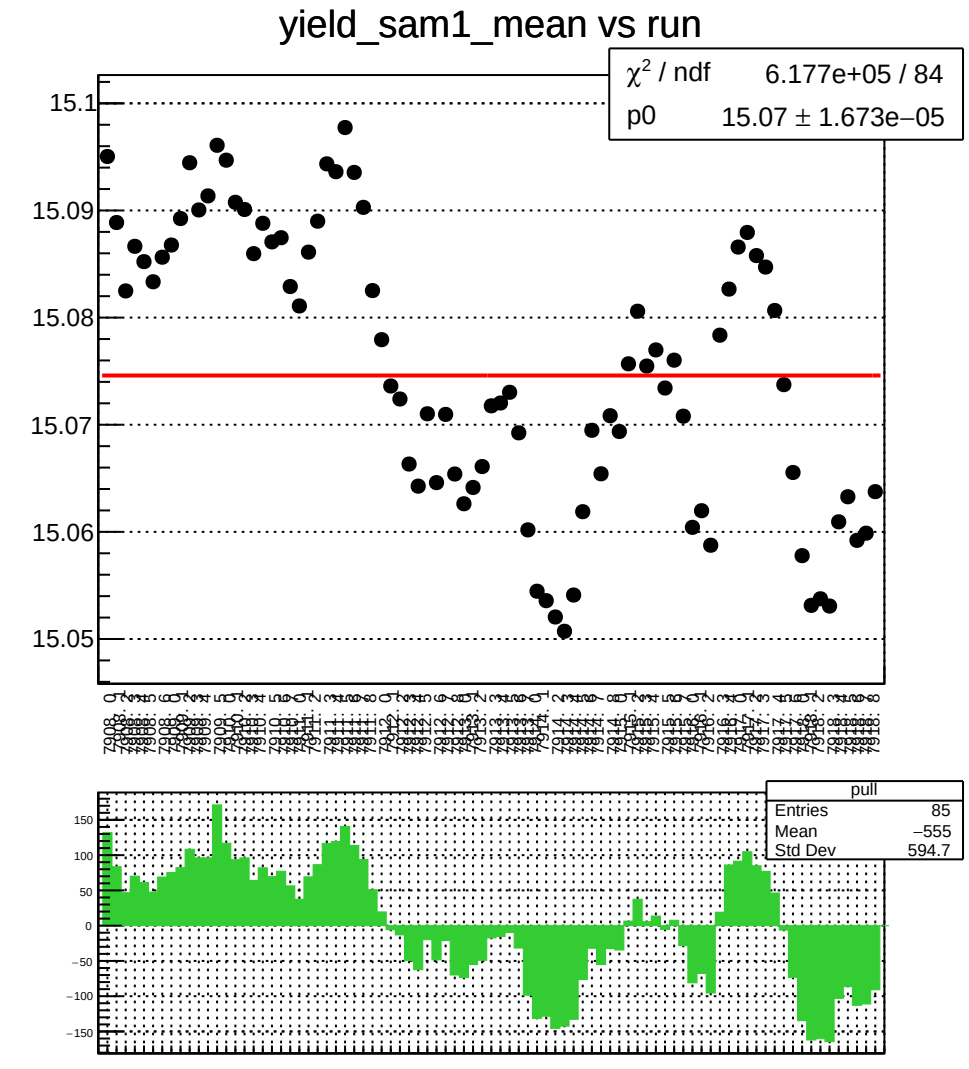

pull1D
Entries 85
Mean −0.006883
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

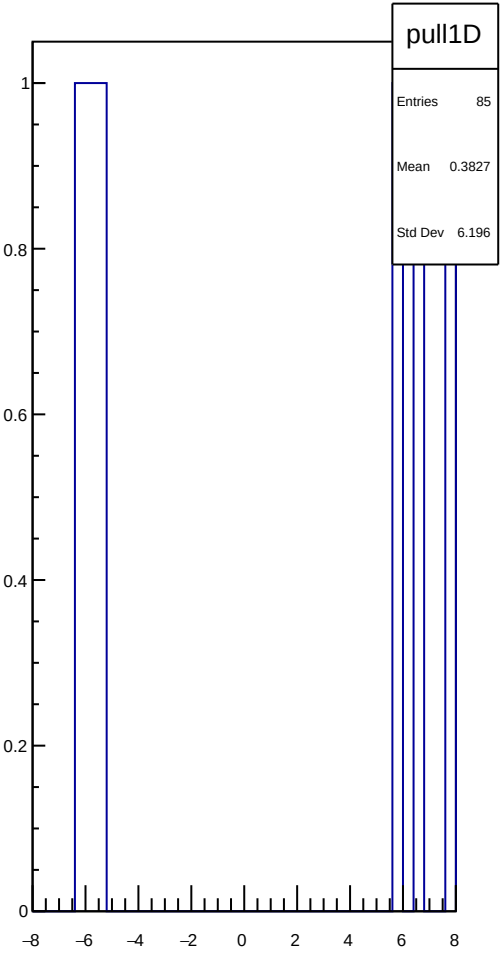

asym_sam7_rms vs run
χ^2 / ndf 2.173e+04 / 84
p0 1262 ± 0.9936
1700
1600
1500
1400
1300
1200
1100
1000

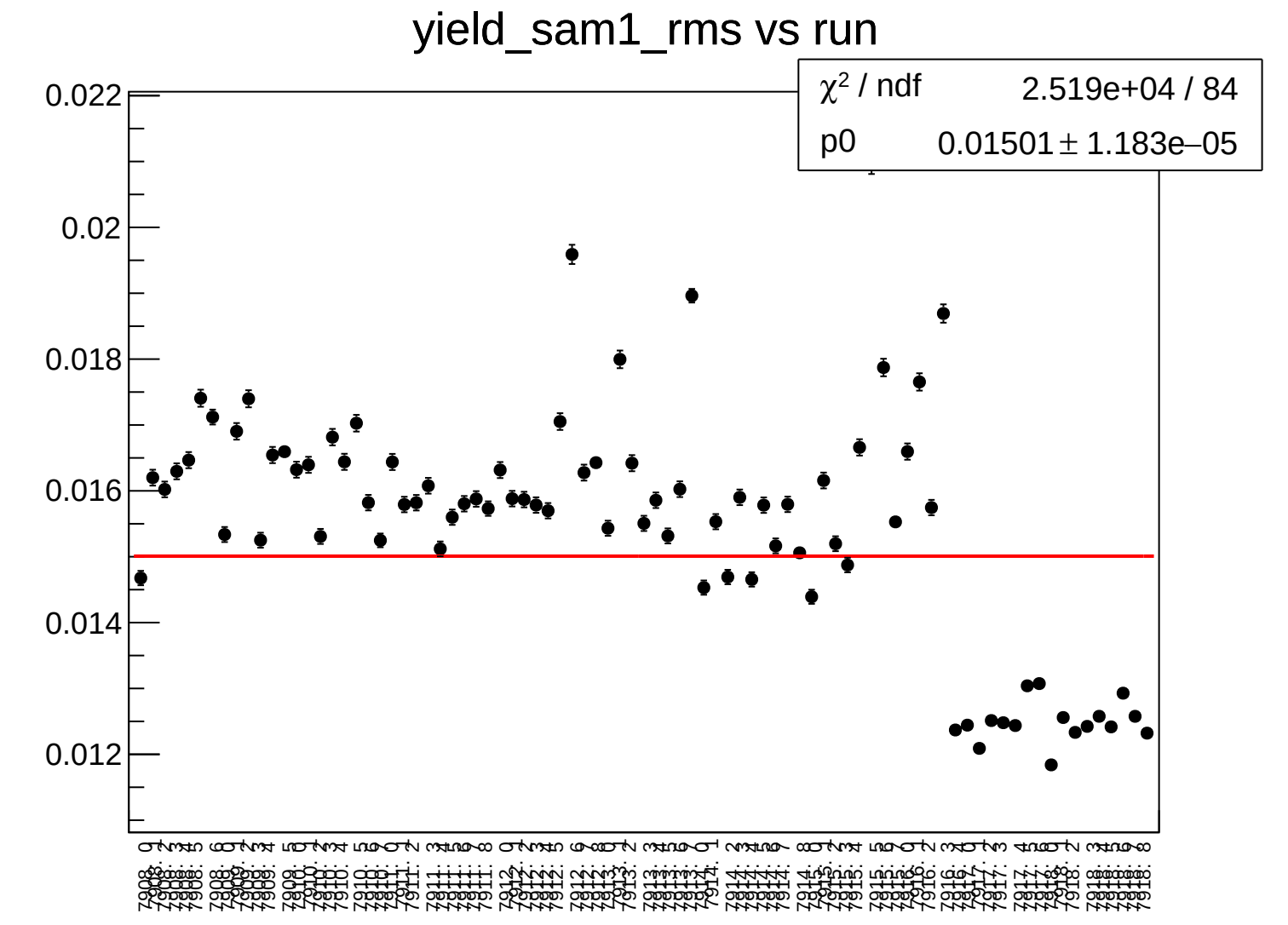

asym_sam8_mean vs run
χ² / ndf 103.1 / 84
p0 593.8 ± 833.3
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −17.8
Std Dev 96.05
3
2
1
0
−1
−2

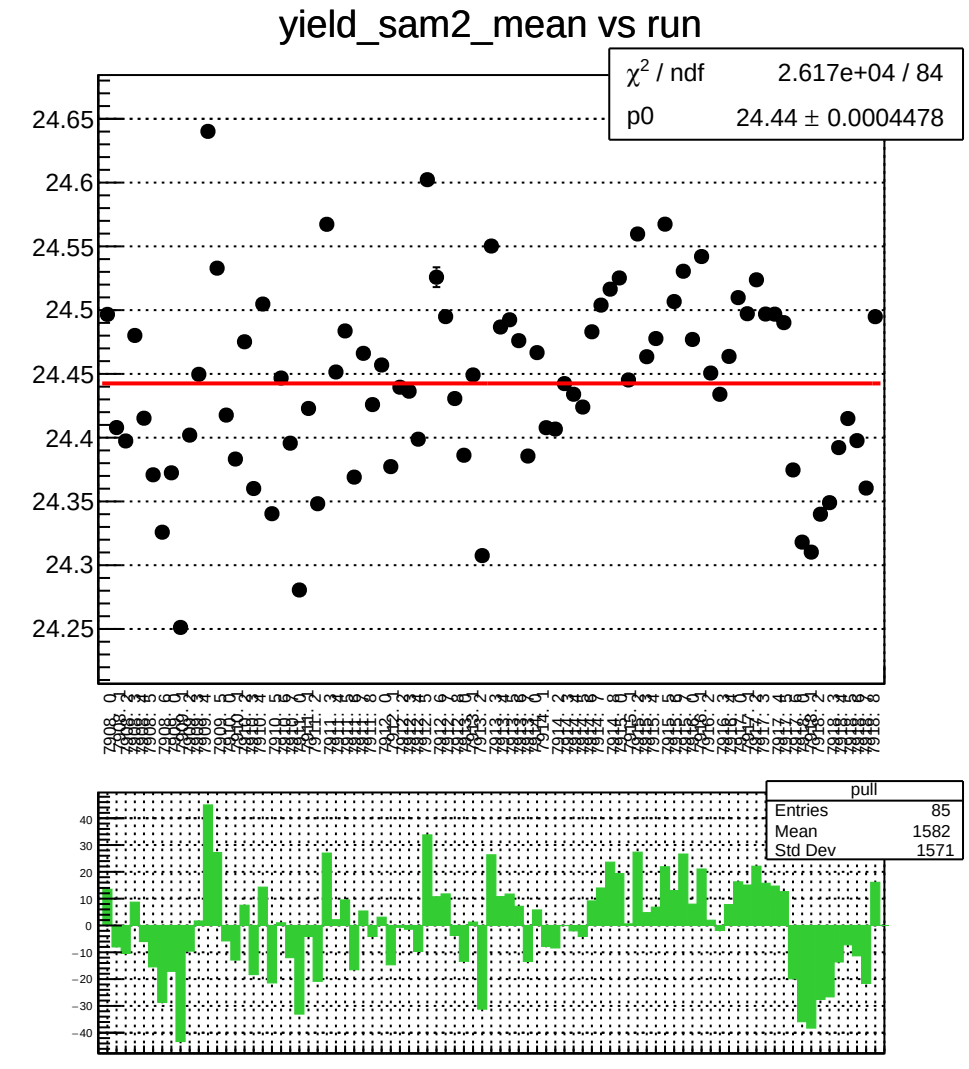

pull1D
Entries 85
Mean −0.005851
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

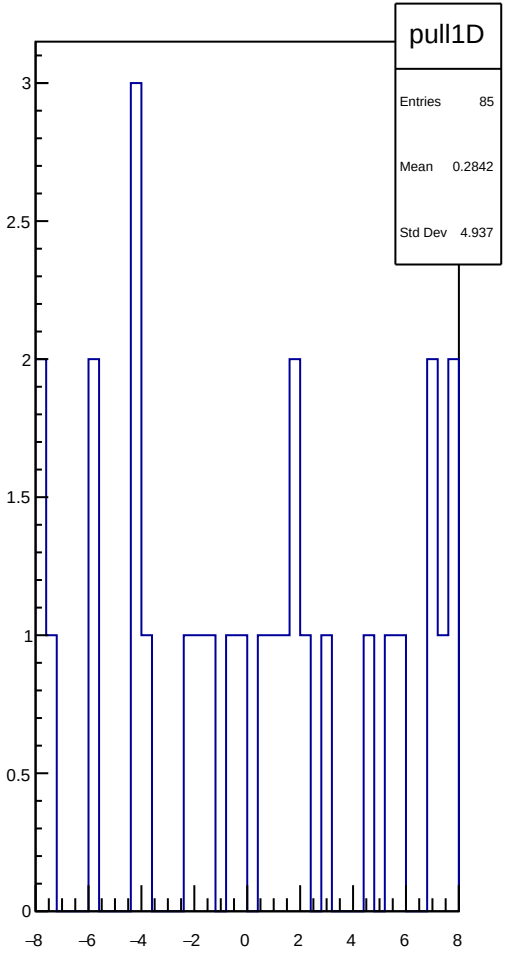

asym_sam8_rms vs run
χ² / ndf 2.736e+04 / 84
p0 747.2 ± 0.5892
1000
900
800
700
600

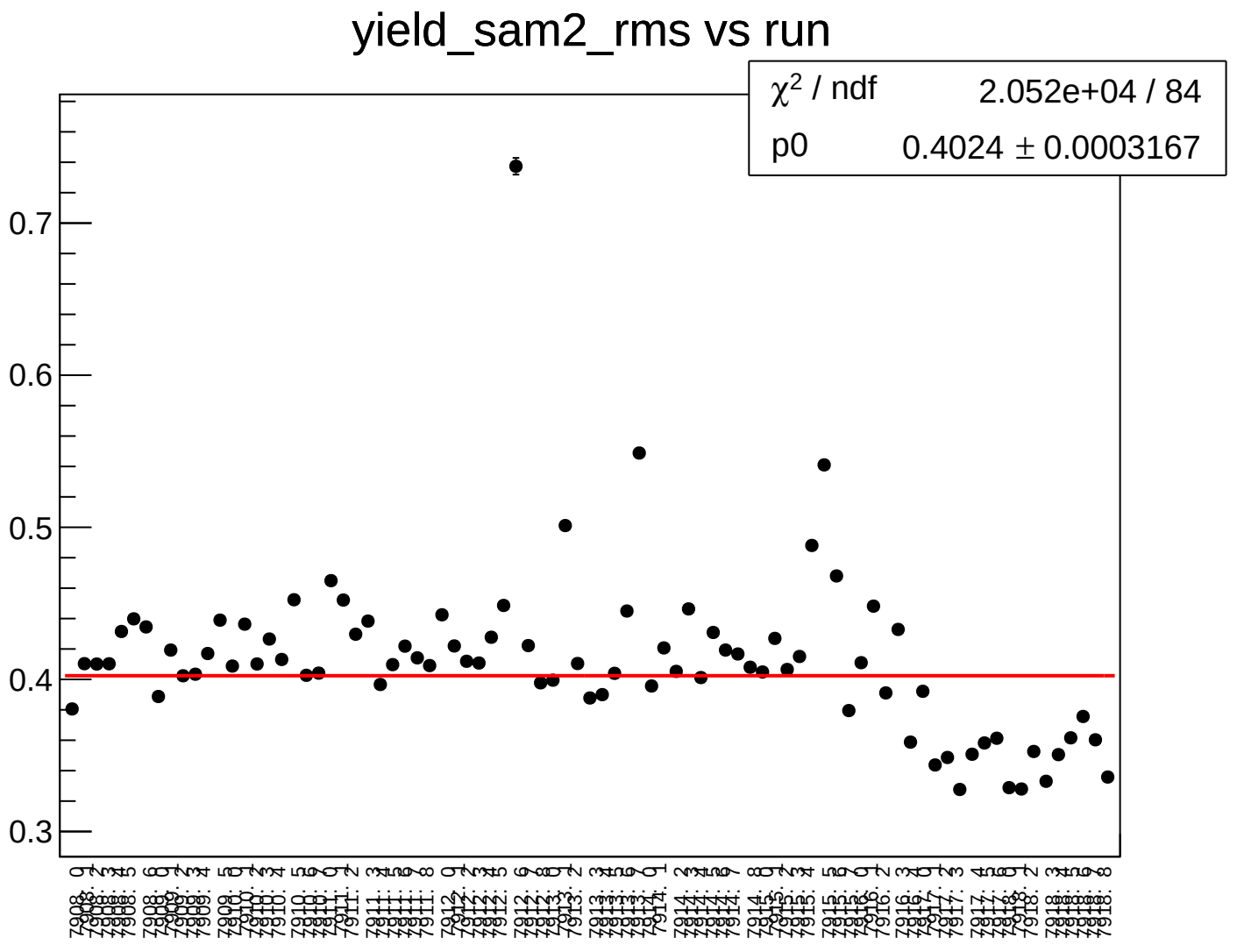

yield_sam1_mean vs run
χ² / ndf 6.177e+05 / 84
p0 15.07 ± 1.673e−05
15.1
15.09
15.08
15.07
15.06
15.05
pull
Entries 85
Mean −555
Std Dev 594.7
150
100
50
0
−50
−100
−150

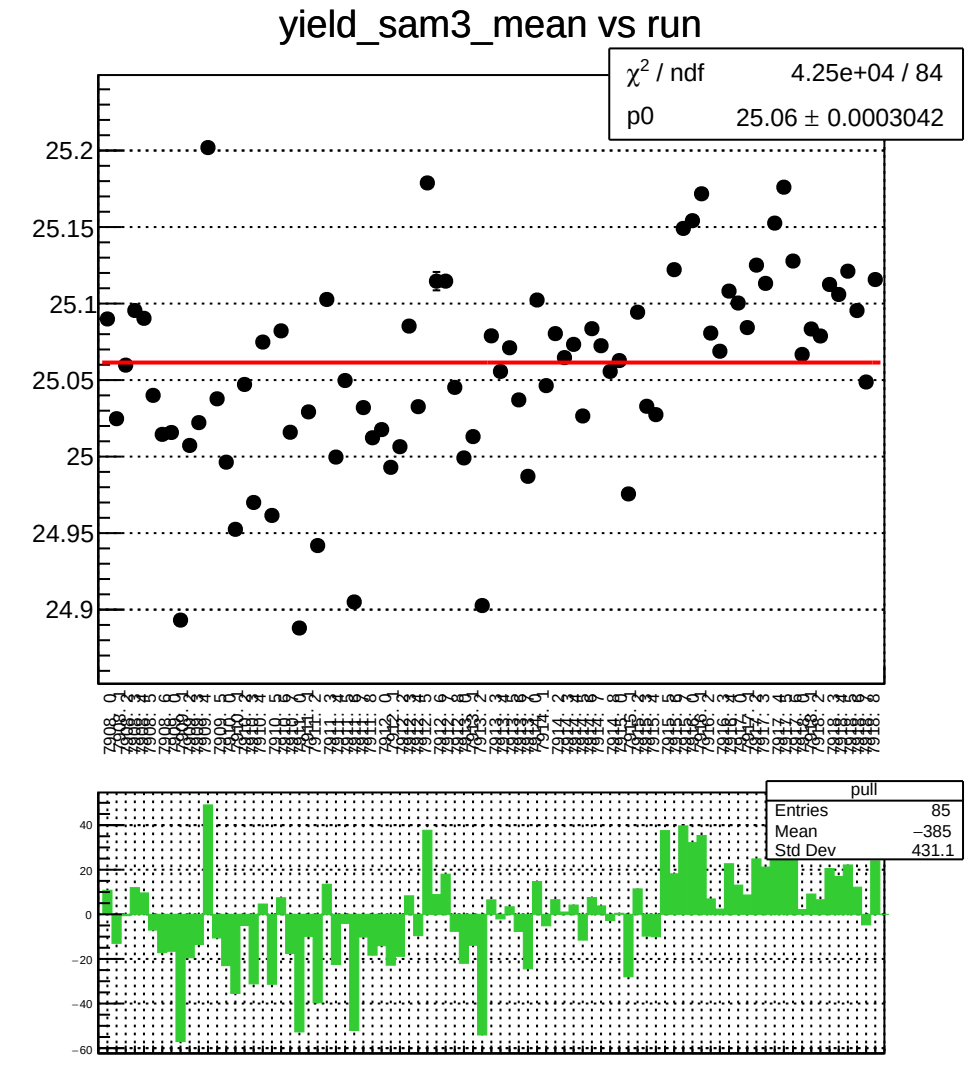

pull1D
Entries 85
Mean 0.3827
Std Dev 6.196
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

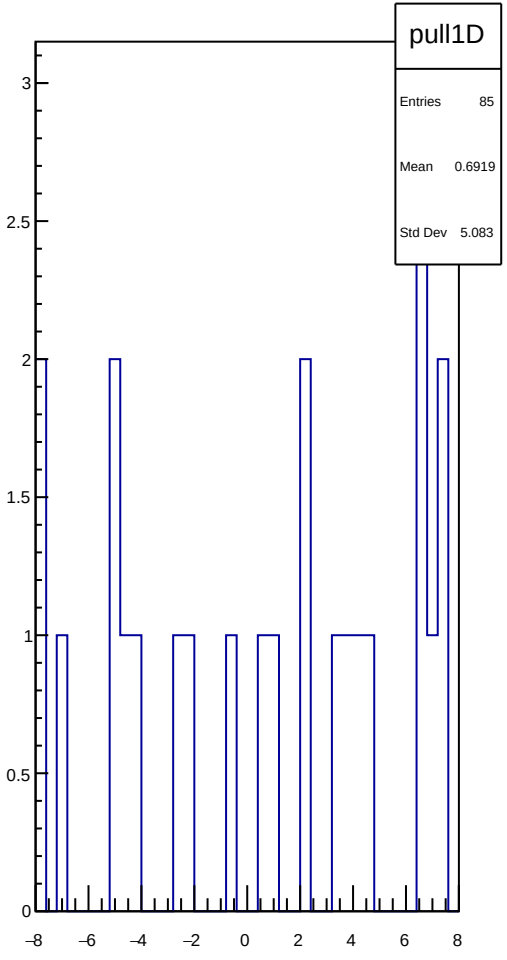

yield_sam1_rms vs run
χ² / ndf 2.519e+04 / 84
p0 0.01501 ± 1.183e−05
0.022
0.02
0.018
0.016
0.014
0.012

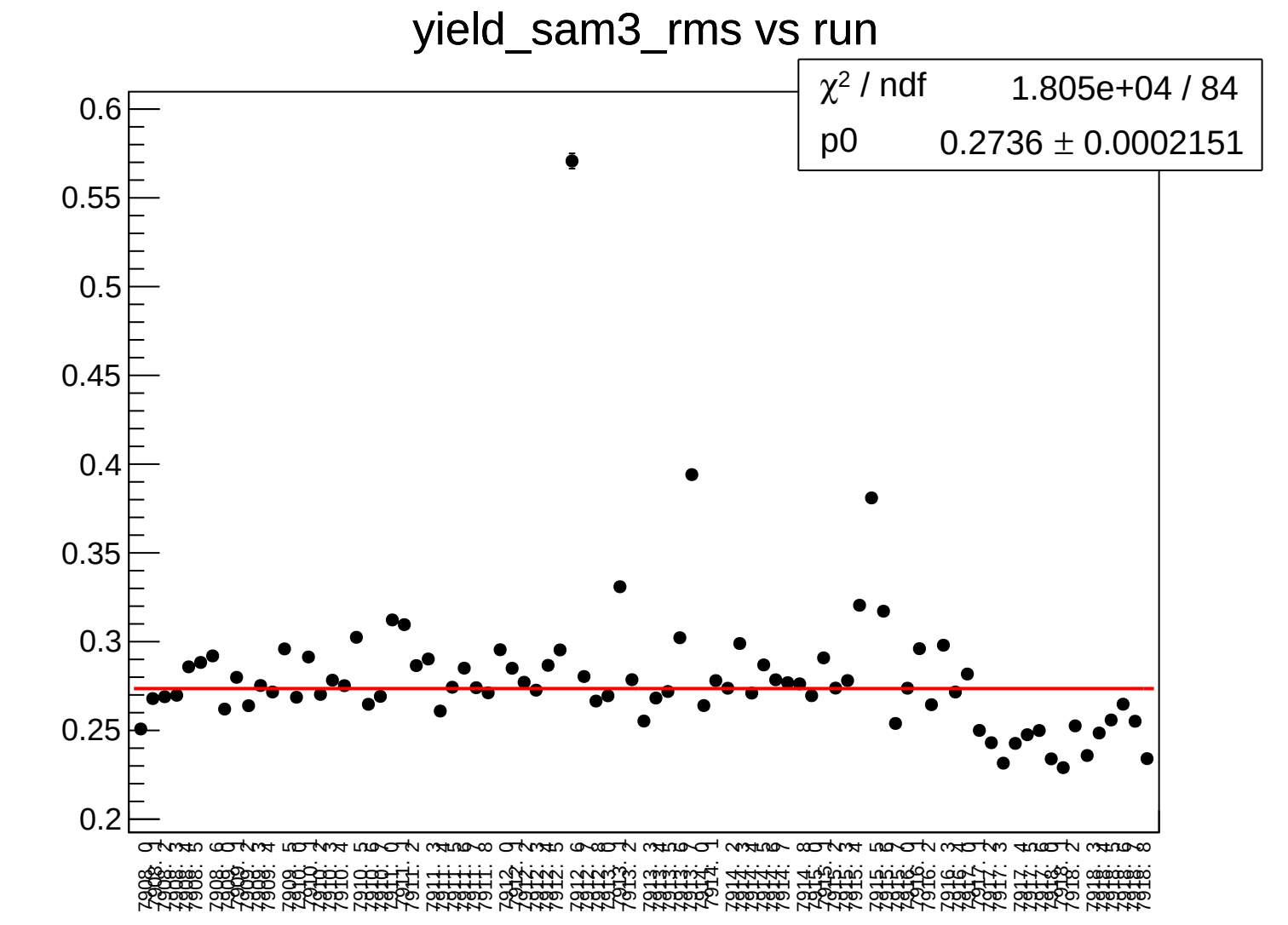

yield_sam2_mean vs run
χ² / ndf 2.617e+04 / 84
p0 24.44 ± 0.0004478
24.65
24.6
24.55
24.5
24.45
24.4
24.35
24.3
24.25
pull
Entries 85
Mean 1582
Std Dev 1571
40
30
20
10
0
−10
−20
−30
−40

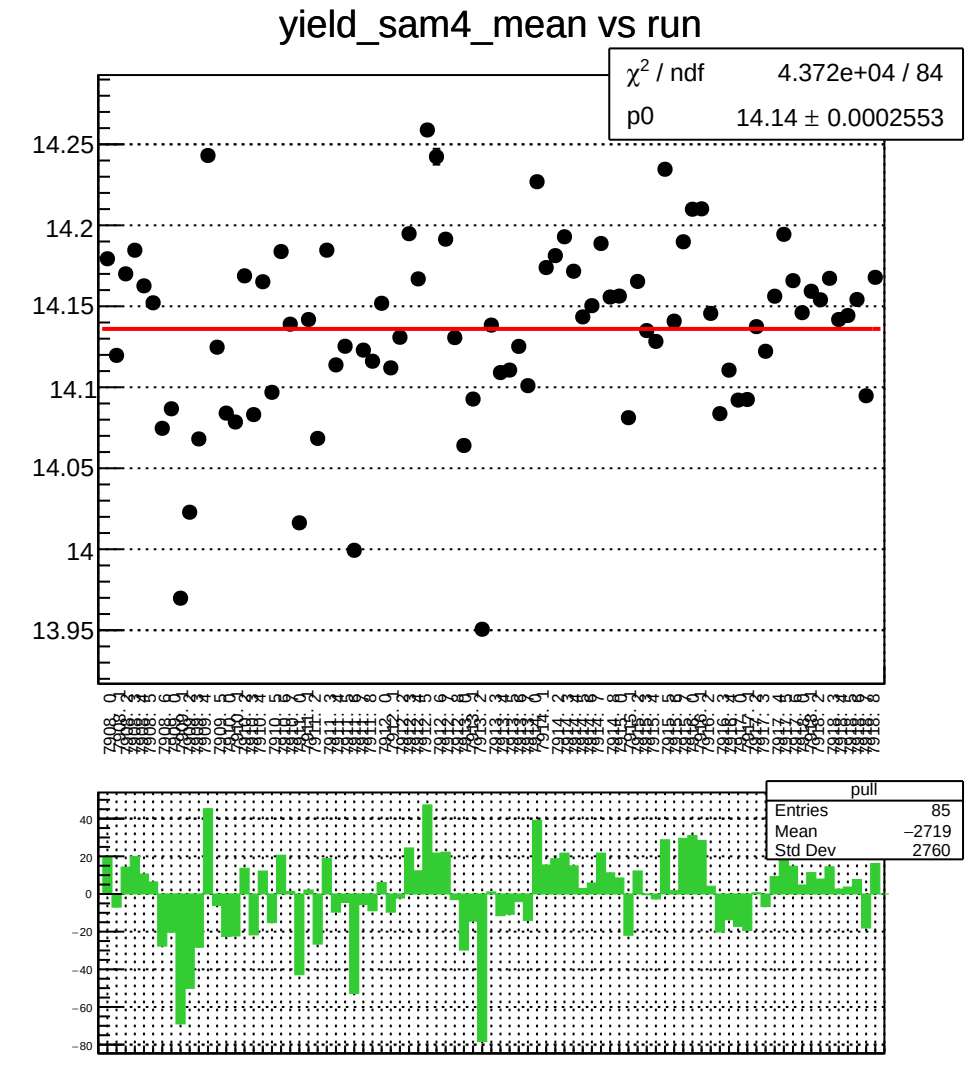

pull1D
Entries 85
Mean 0.2842
Std Dev 4.937
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

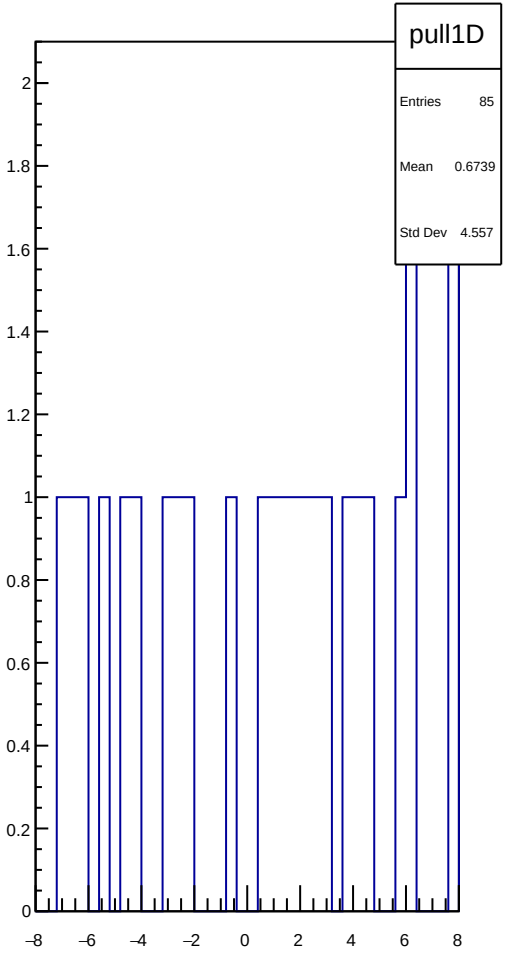

yield_sam2_rms vs run
χ² / ndf 2.052e+04 / 84
p0 0.4024 ± 0.0003167
0.7
0.6
0.5
0.4
0.3

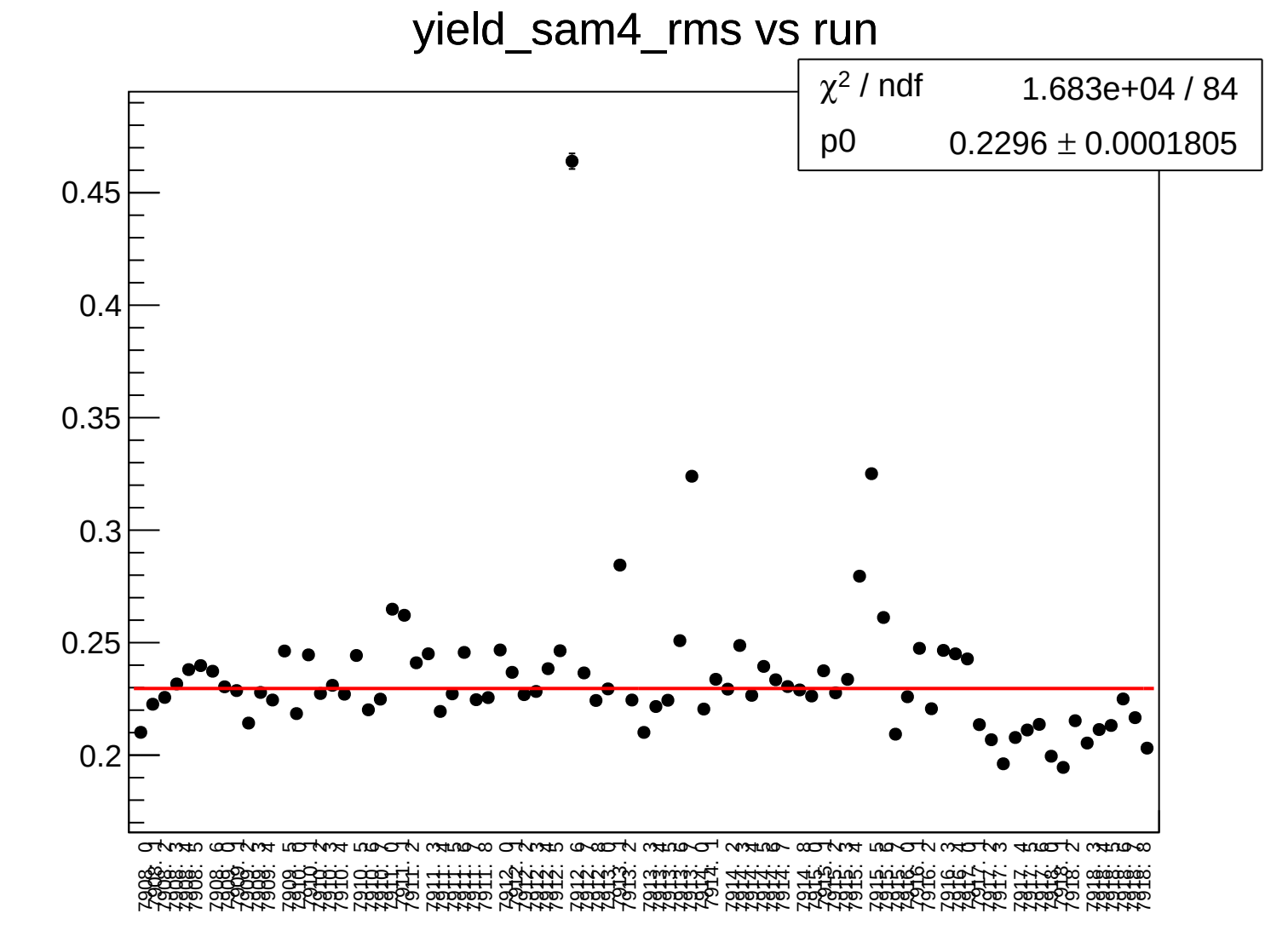

yield_sam3_mean vs run
χ² / ndf 4.25e+04 / 84
p0 25.06 ± 0.0003042
25.2
25.15
25.1
25.05
25
24.95
24.9
pull
Entries 85
Mean −385
Std Dev 431.1
40
20
0
−20
−40
−60

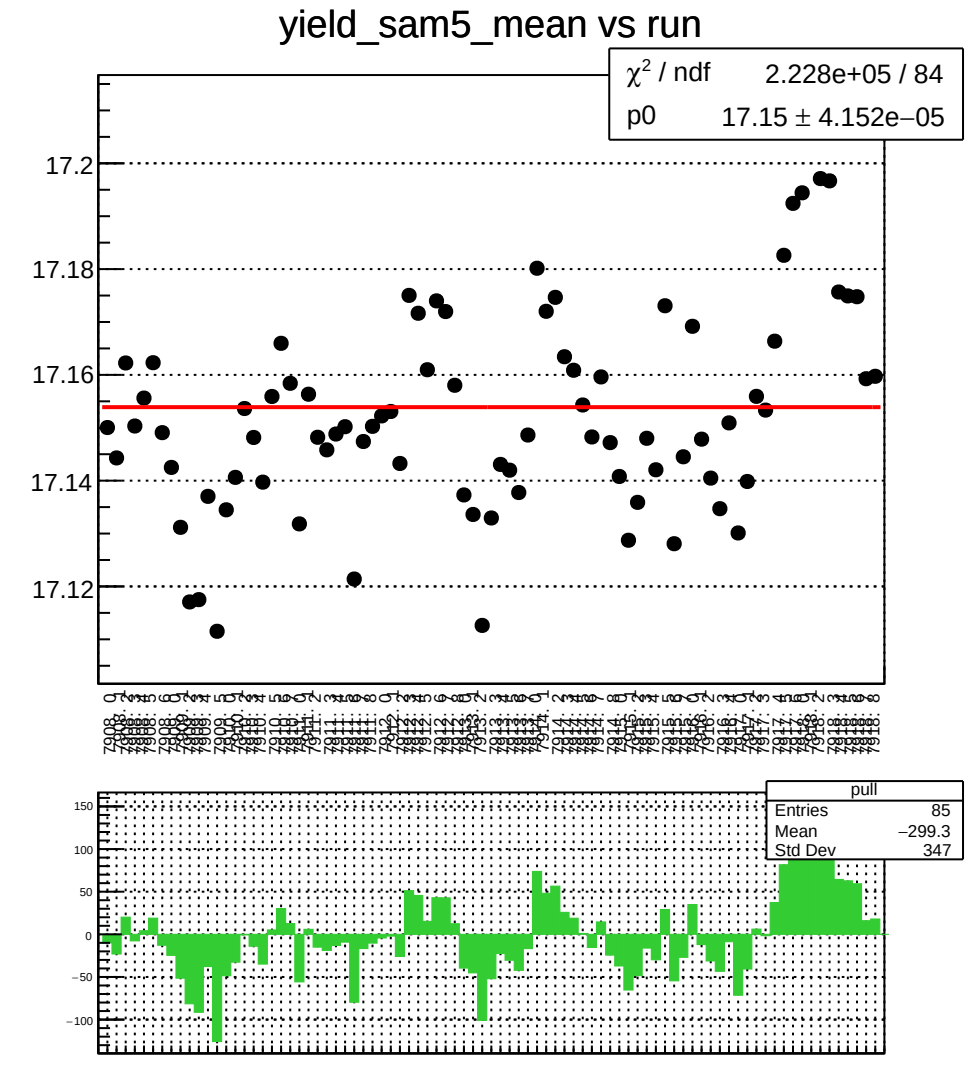

pull1D
Entries 85
Mean 0.6919
Std Dev 5.083
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

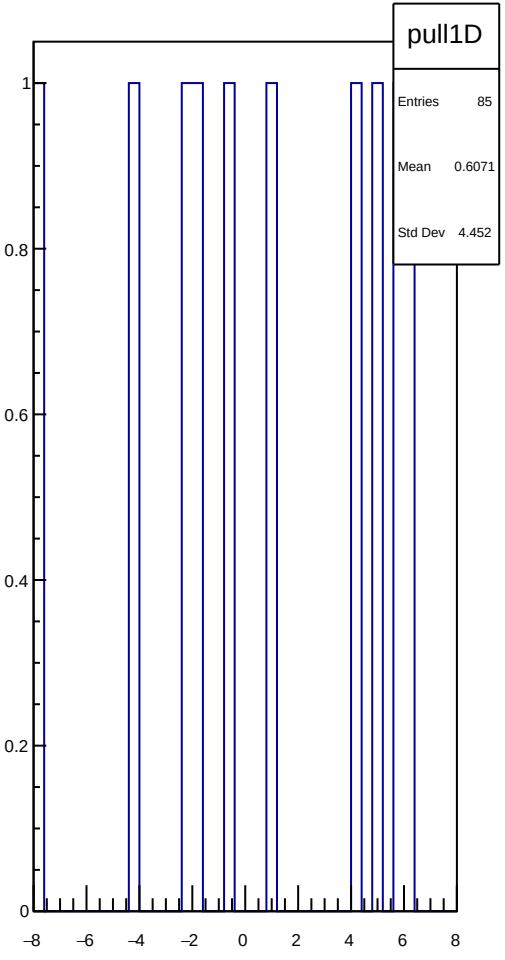

yield_sam3_rms vs run
χ² / ndf 1.805e+04 / 84
p0 0.2736 ± 0.0002151
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2

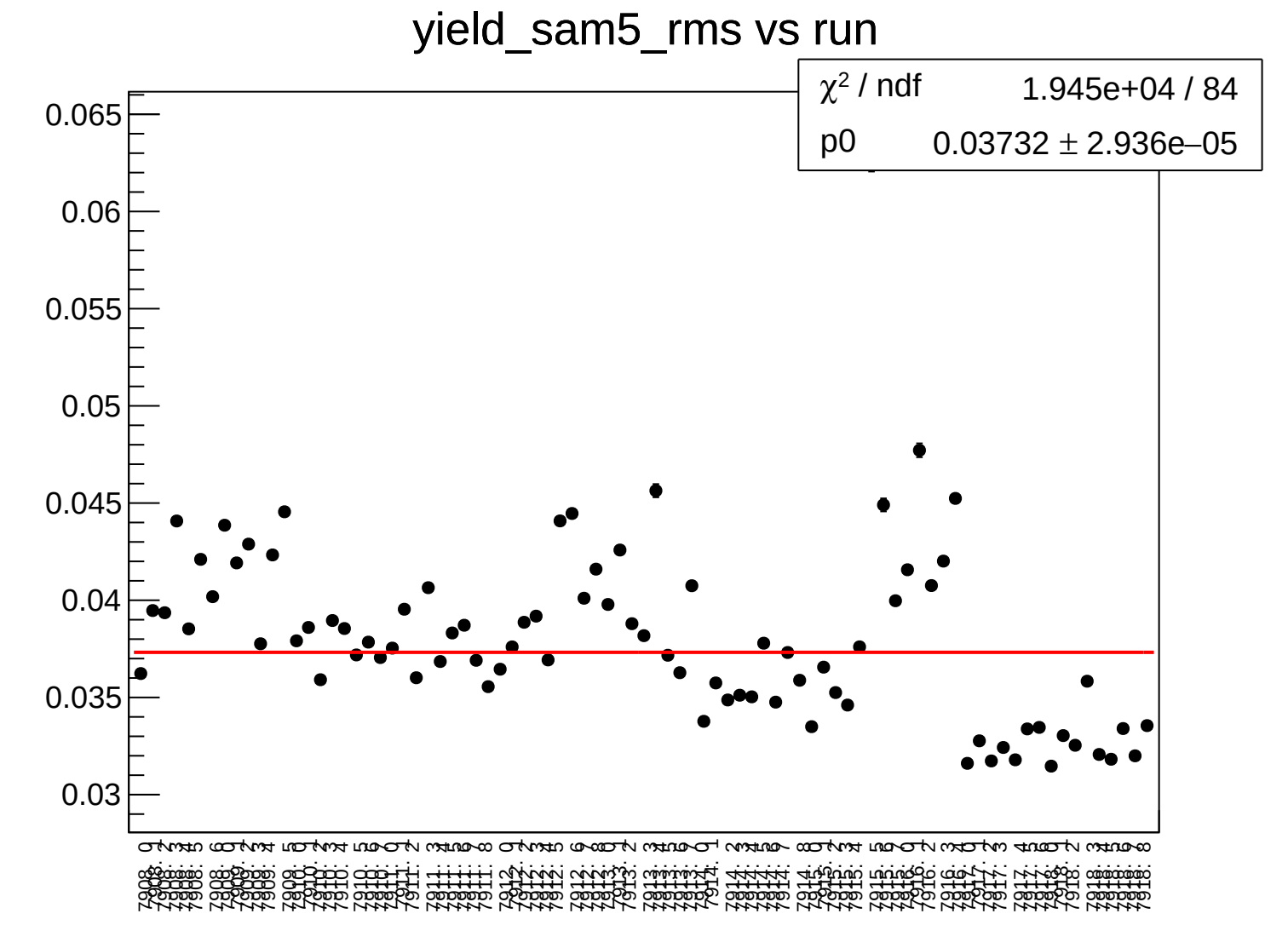

yield_sam4_mean vs run
χ² / ndf 4.372e+04 / 84
p0 14.14 ± 0.0002553
14.25
14.2
14.15
14.1
14.05
14
13.95
pull
Entries 85
Mean −2719
Std Dev 2760
40
20
0
−20
−40
−60
−80

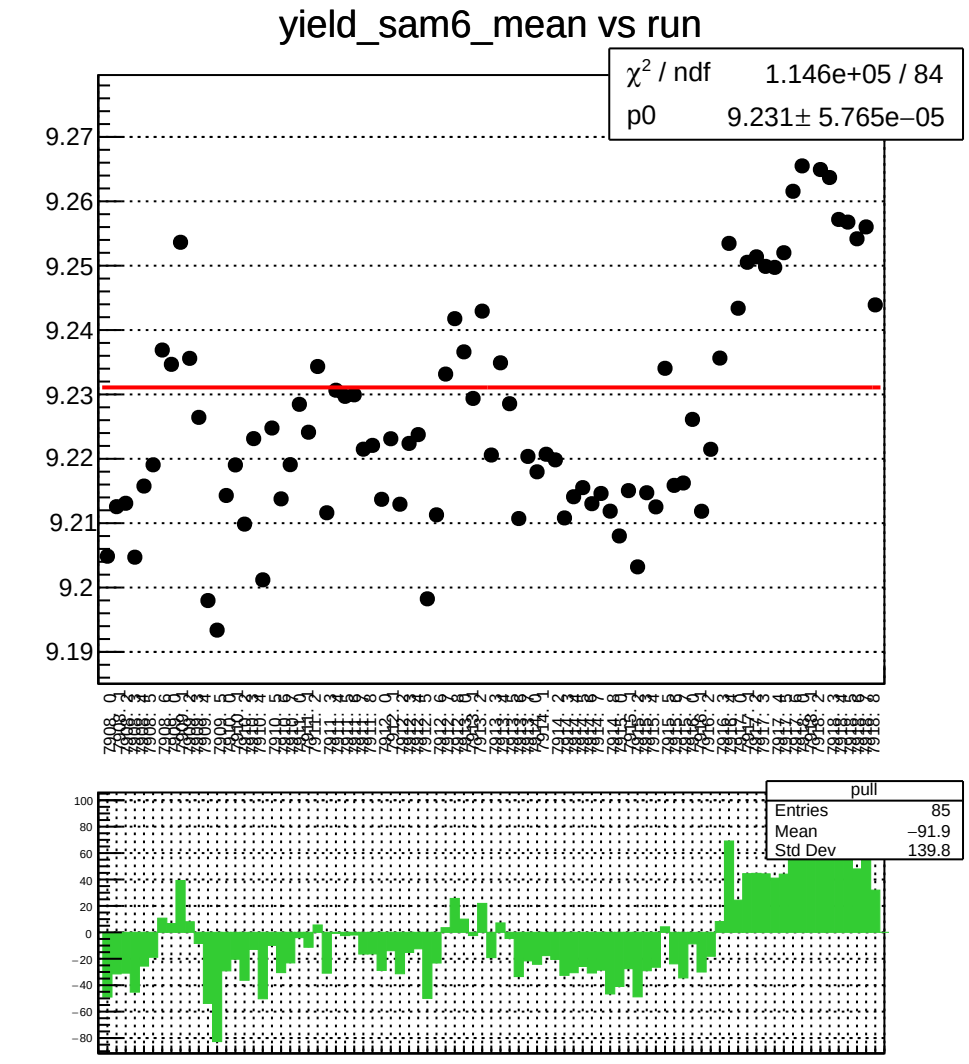

pull1D
Entries 85
Mean 0.6739
Std Dev 4.557
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

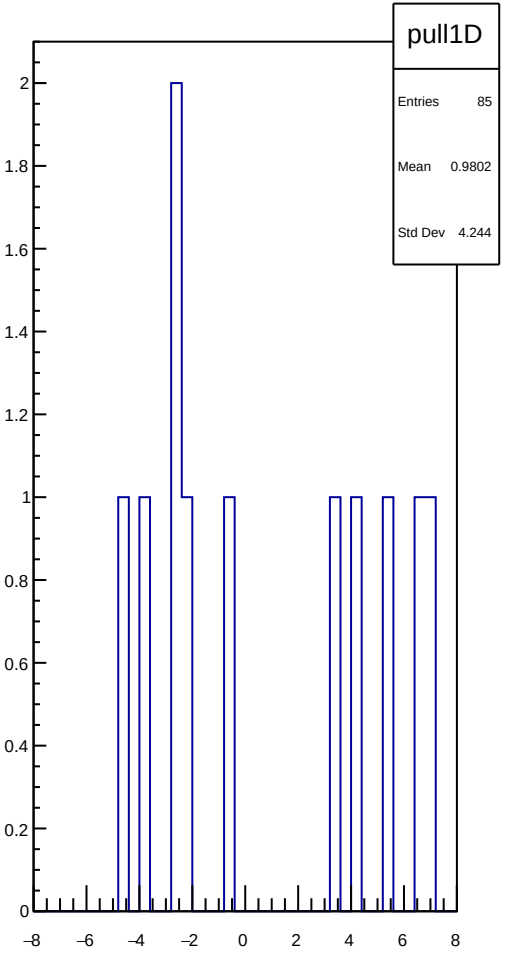

yield_sam4_rms vs run
χ² / ndf 1.683e+04 / 84
p0 0.2296 ± 0.0001805
0.45
0.4
0.35
0.3
0.25
0.2

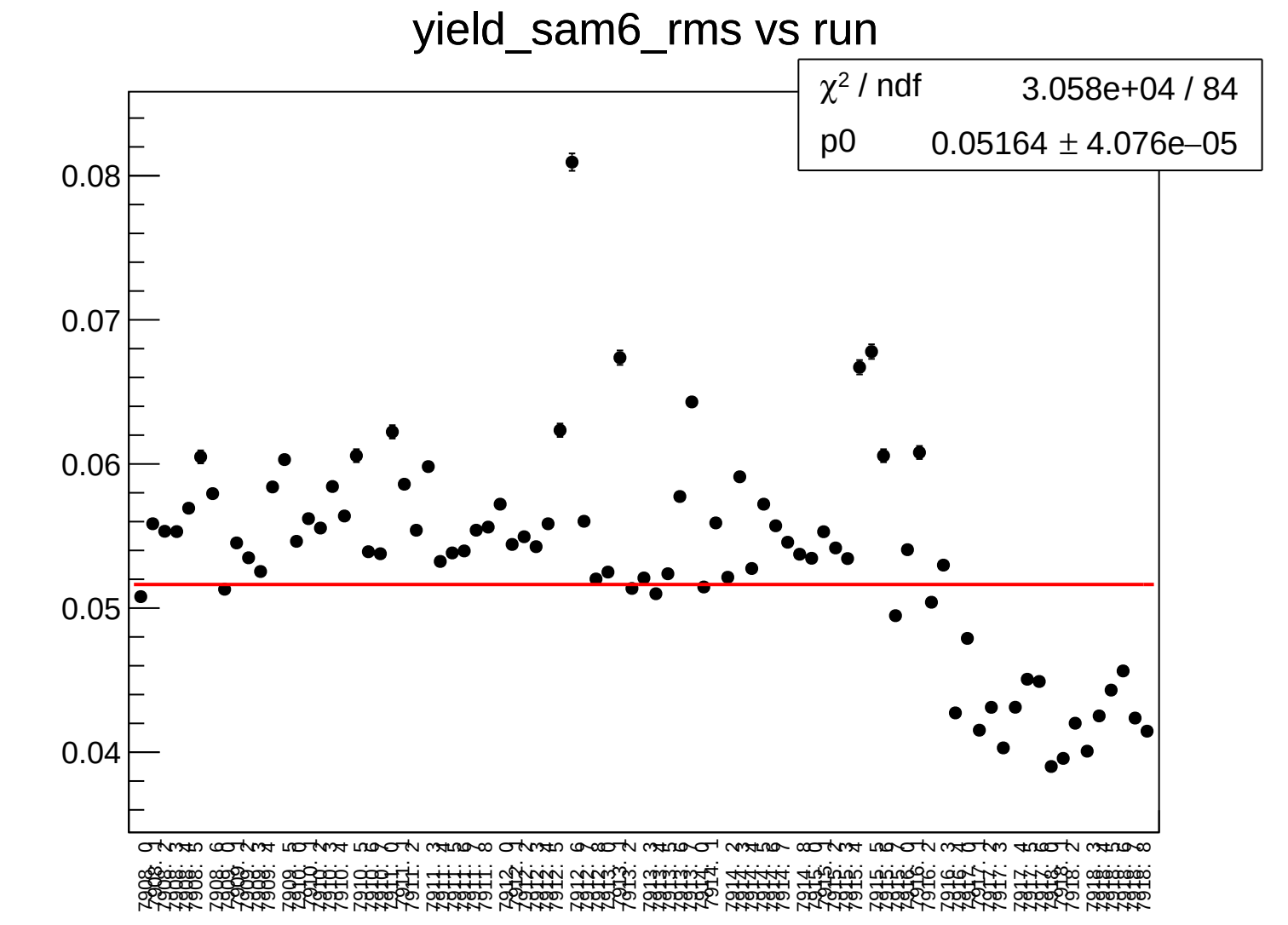

yield_sam5_mean vs run
χ² / ndf 2.228e+05 / 84
p0 17.15 ± 4.152e−05
17.2
17.18
17.16
17.14
17.12
pull
Entries 85
Mean −299.3
Std Dev 347
150
100
50
0
−50
−100

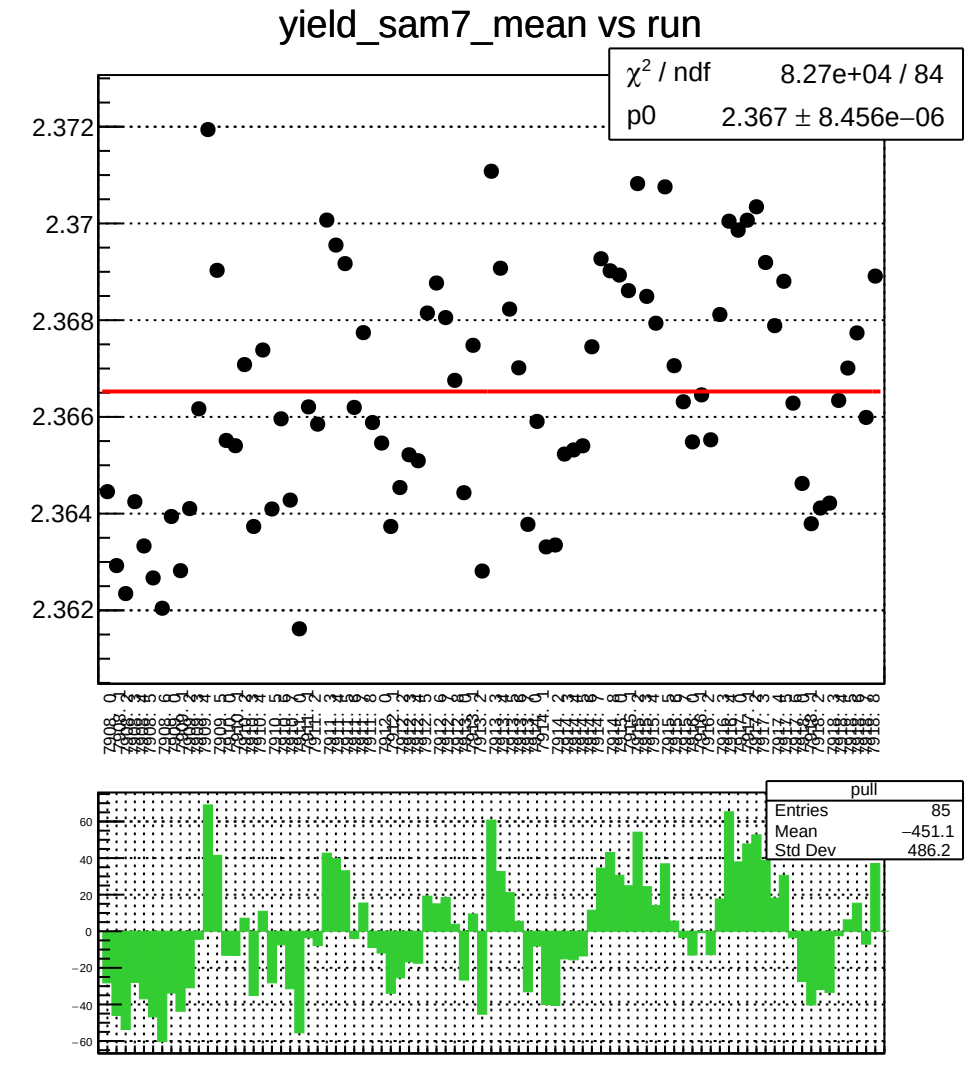

pull1D
Entries 85
Mean 0.6071
Std Dev 4.452
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

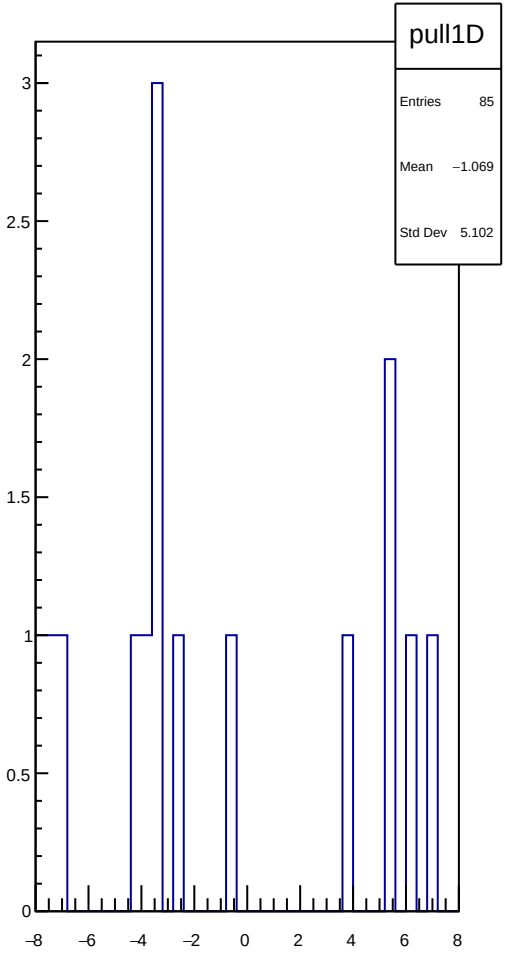

yield_sam5_rms vs run
χ² / ndf 1.945e+04 / 84
p0 0.03732 ± 2.936e–05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03

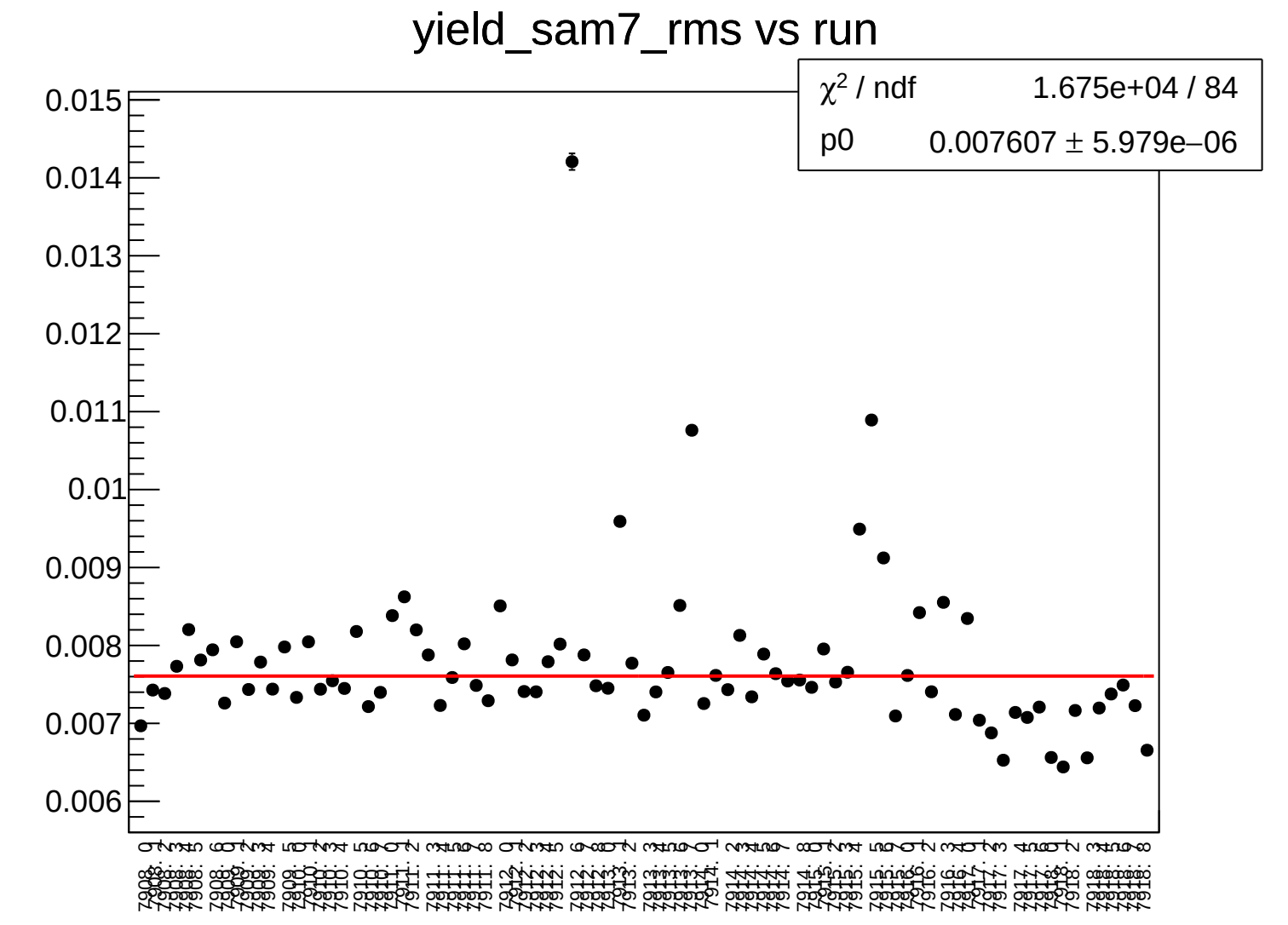

yield_sam6_mean vs run
χ² / ndf 1.146e+05 / 84
p0 9.231± 5.765e−05
9.27
9.26
9.25
9.24
9.23
9.22
9.21
9.2
9.19
pull
Entries 85
Mean −91.9
Std Dev 139.8
100
80
60
40
20
0
−20
−40
−60
−80

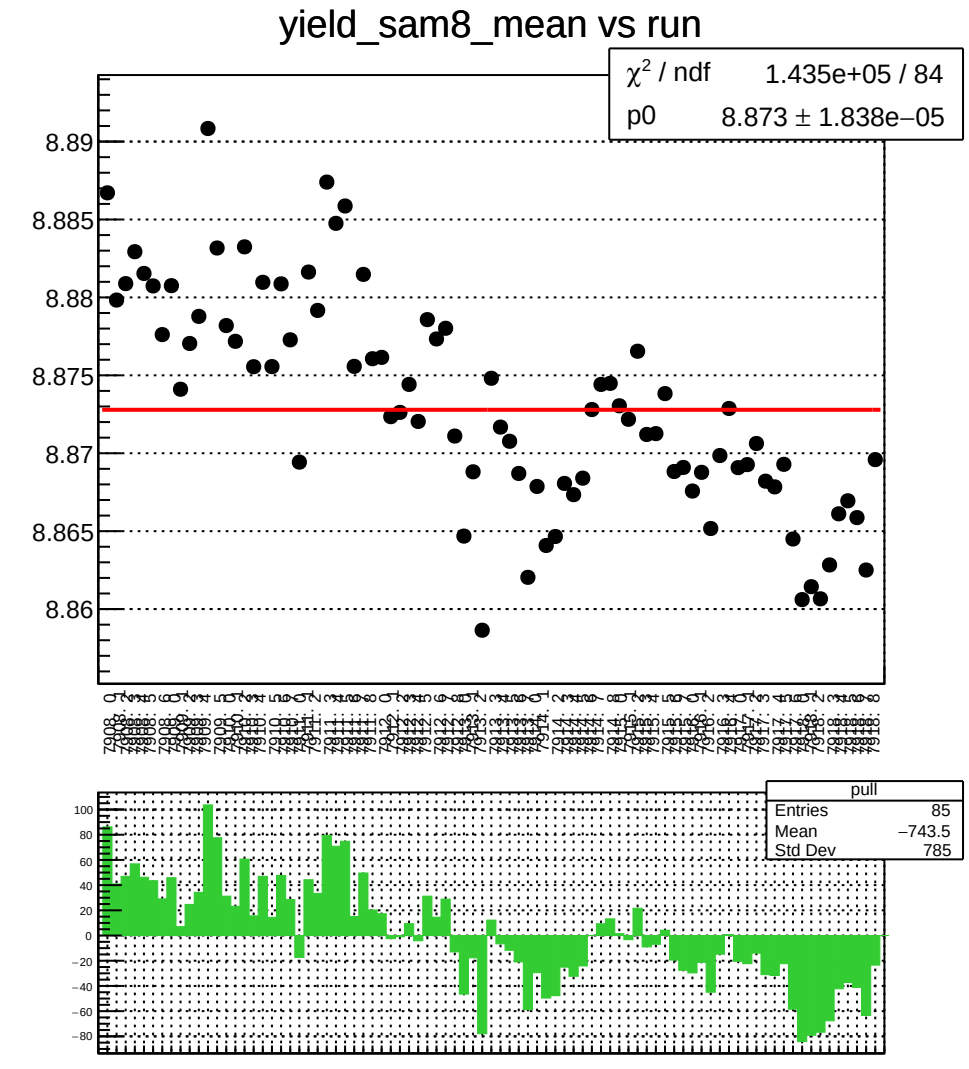

pull1D
Entries 85
Mean 0.9802
Std Dev 4.244
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

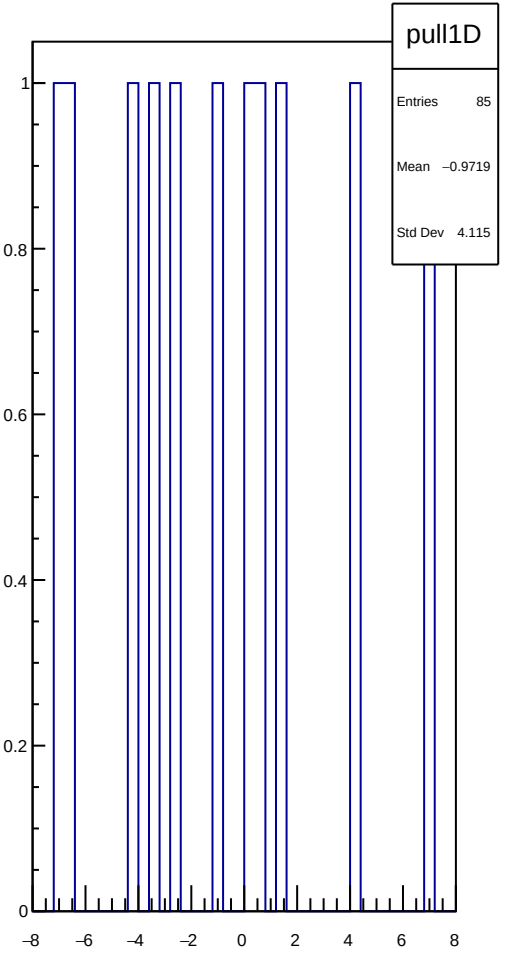

yield_sam6_rms vs run
χ² / ndf 3.058e+04 / 84
p0 0.05164 ± 4.076e−05
0.08
0.07
0.06
0.05
0.04

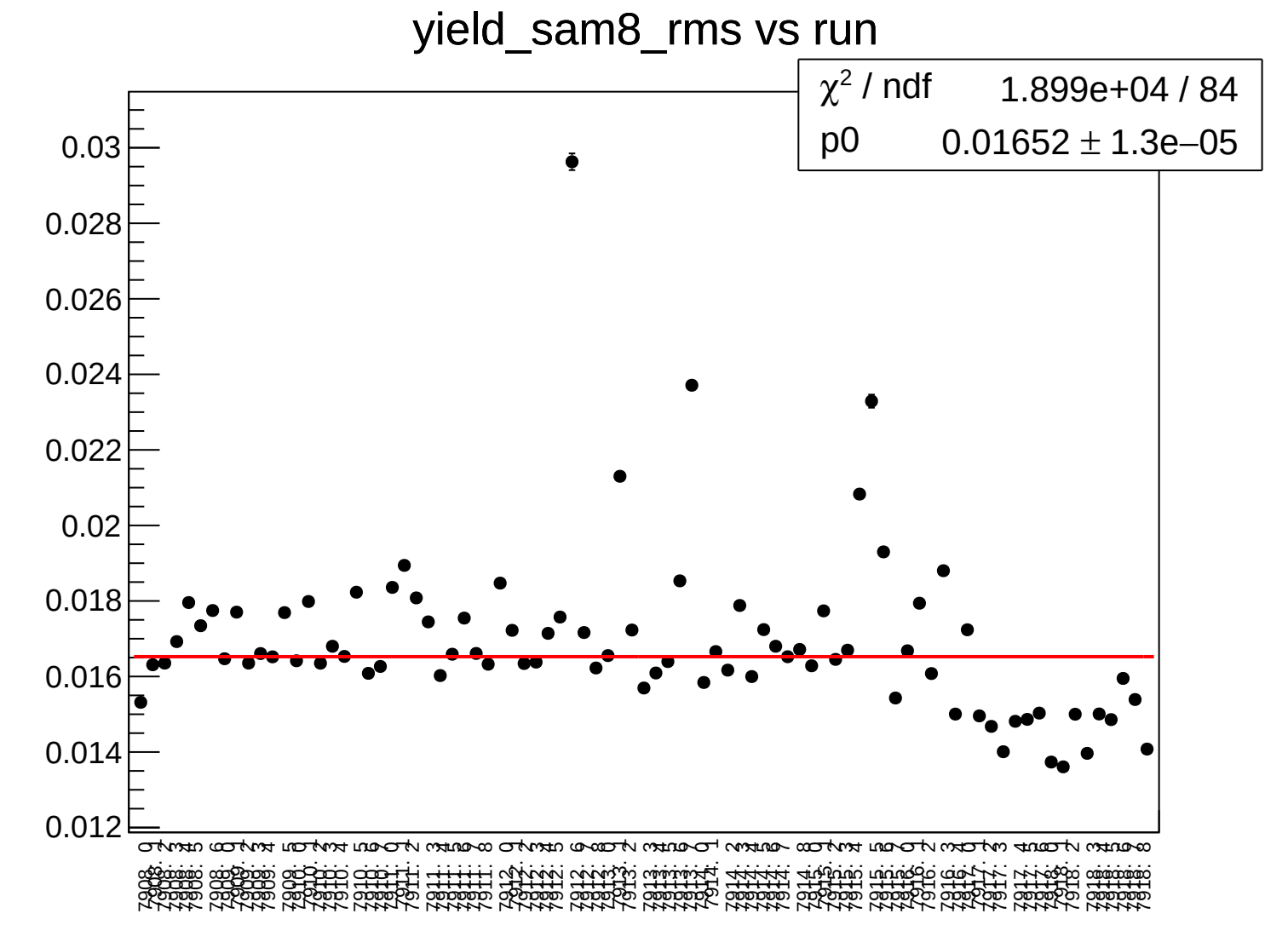

yield_sam7_mean vs run
χ² / ndf 8.27e+04 / 84
p0 2.367 ± 8.456e−06
2.372
2.37
2.368
2.366
2.364
2.362
pull
Entries 85
Mean −451.1
Std Dev 486.2
60
40
20
0
−20
−40
−60

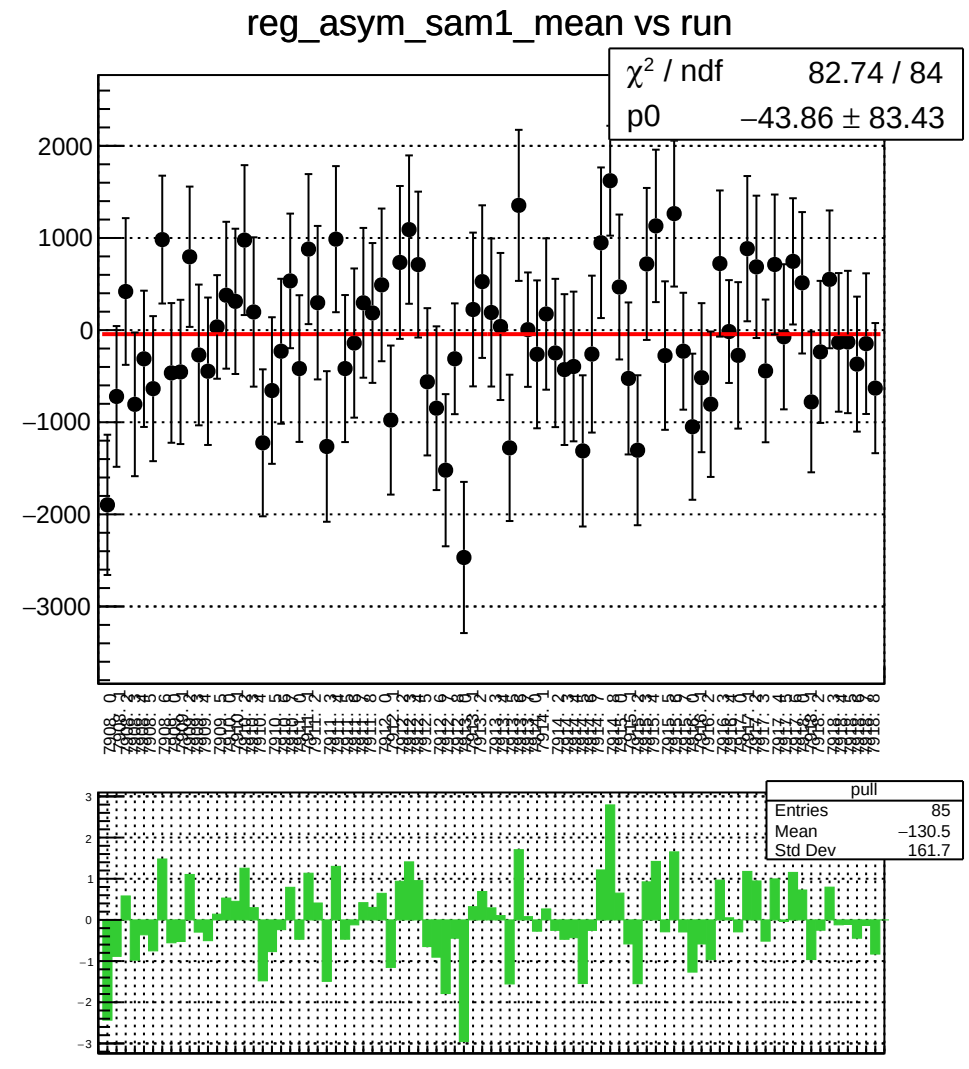

pull1D
Entries 85
Mean −1.069
Std Dev 5.102
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

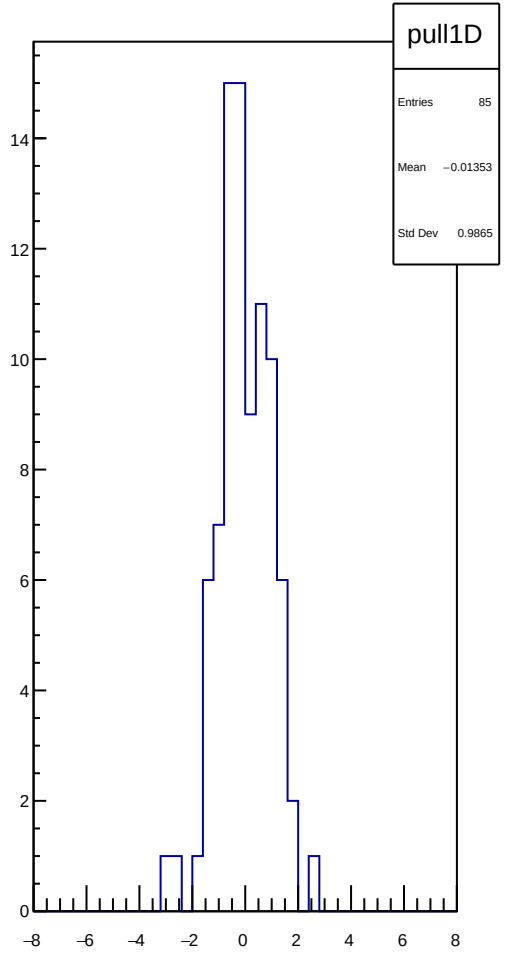

yield_sam7_rms vs run
χ² / ndf 1.675e+04 / 84
p0 0.007607 ± 5.979e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

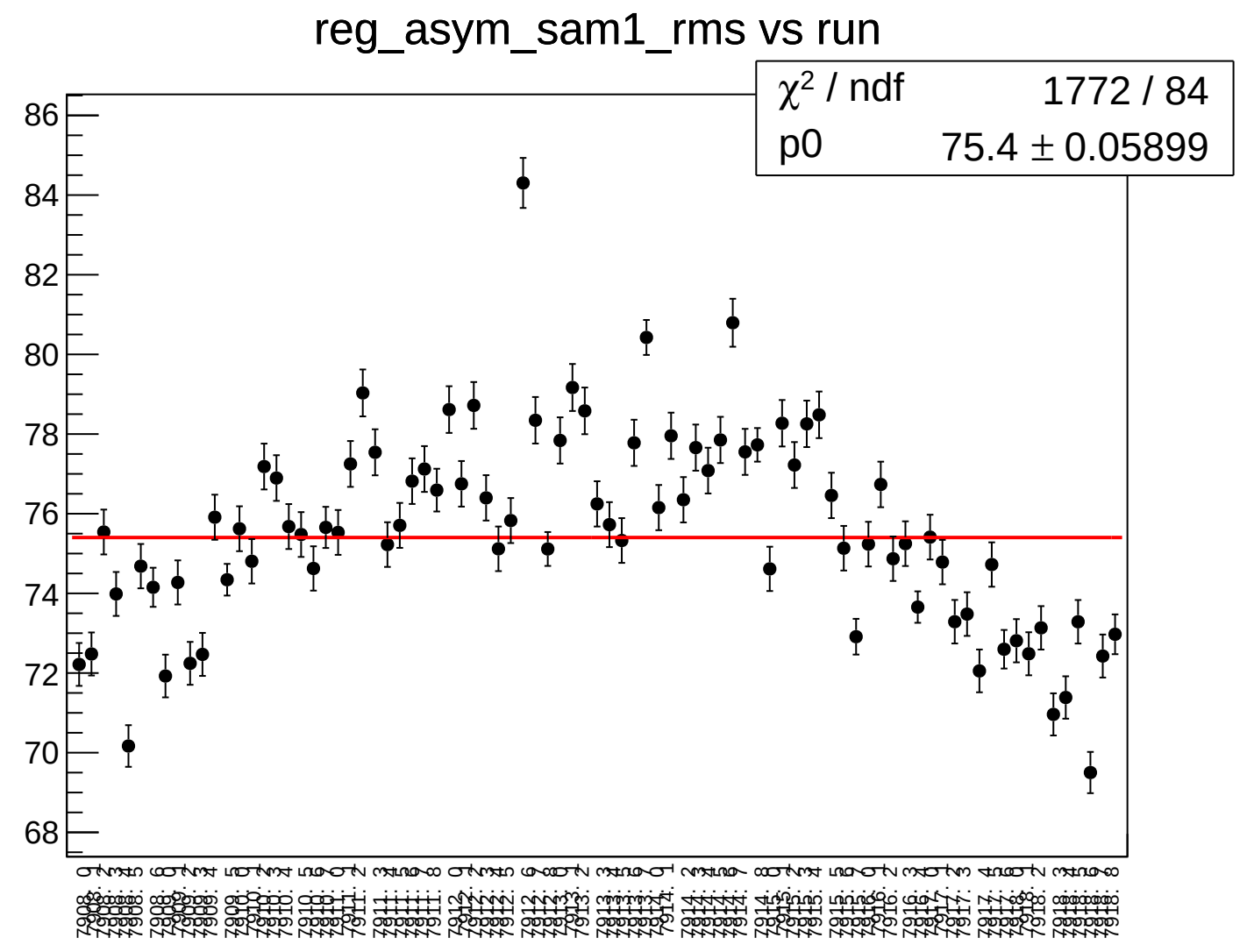

yield_sam8_mean vs run
χ² / ndf 1.435e+05 / 84
p0 8.873 ± 1.838e−05
8.89
8.885
8.88
8.875
8.87
8.865
8.86
pull
Entries 85
Mean −743.5
Std Dev 785
100
80
60
40
20
0
−20
−40
−60
−80

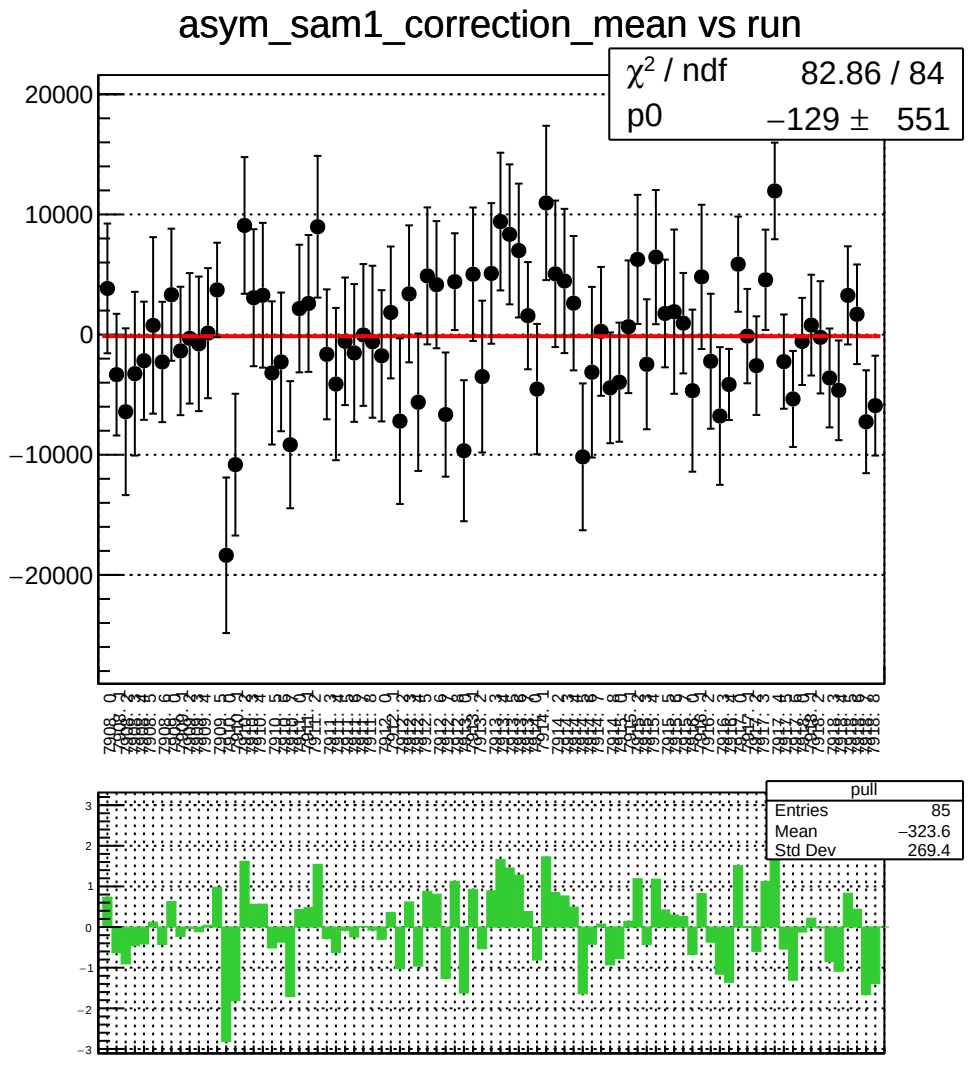

pull1D
Entries 85
Mean −0.9719
Std Dev 4.115
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

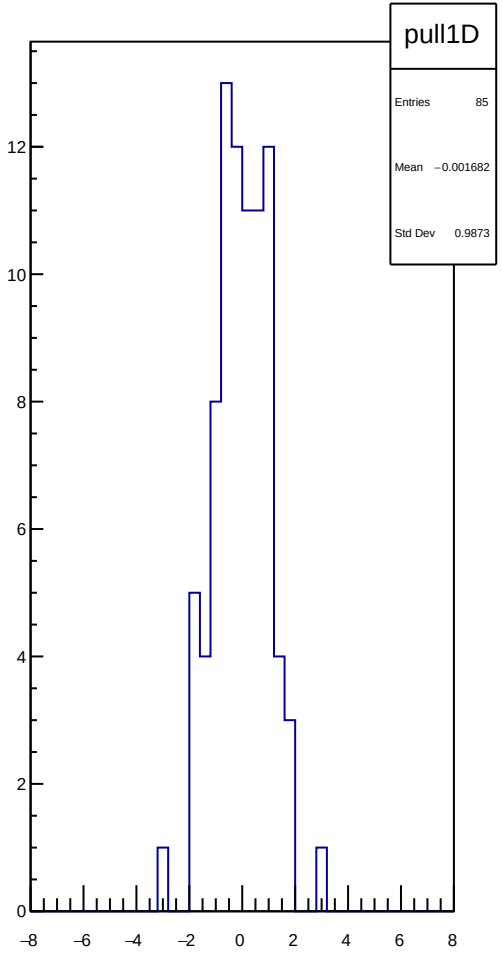

yield_sam8_rms vs run
χ^2 / ndf 1.899e+04 / 84
p0 0.01652 ± 1.3e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

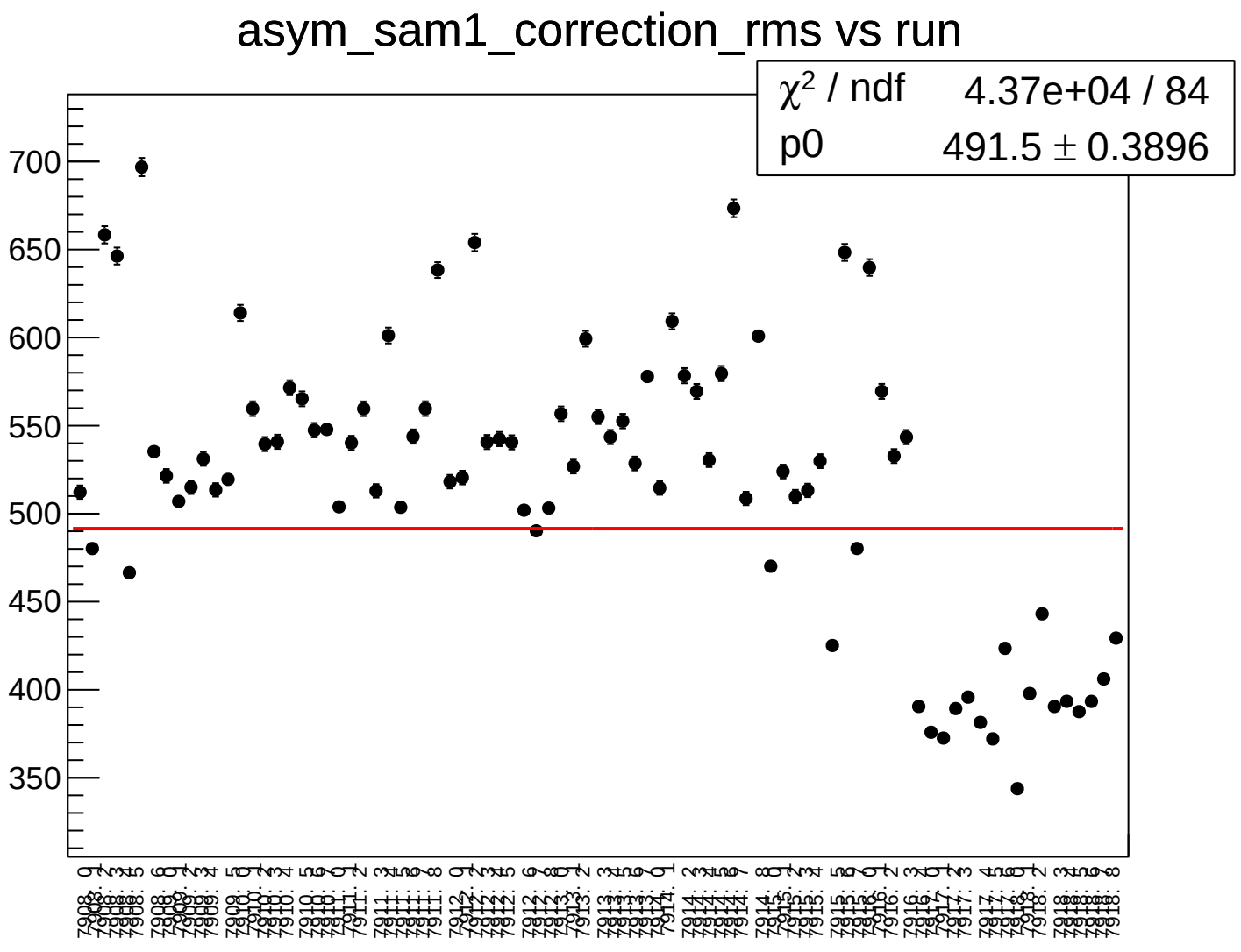

reg_asym_sam1_mean vs run
χ² / ndf 82.74 / 84
p0 −43.86 ± 83.43
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −130.5
Std Dev 161.7
3
2
1
0
−1
−2
−3

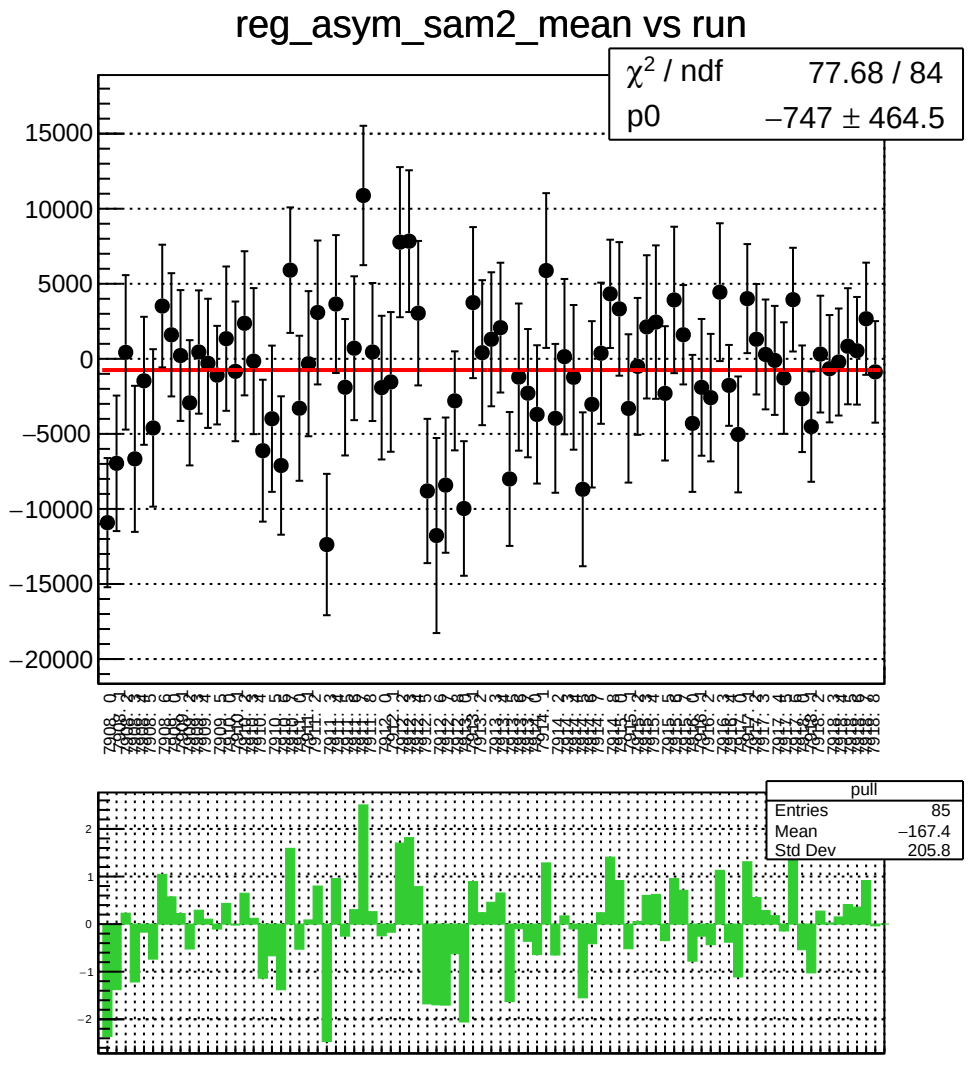

pull1D
Entries 85
Mean −0.01353
Std Dev 0.9865
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

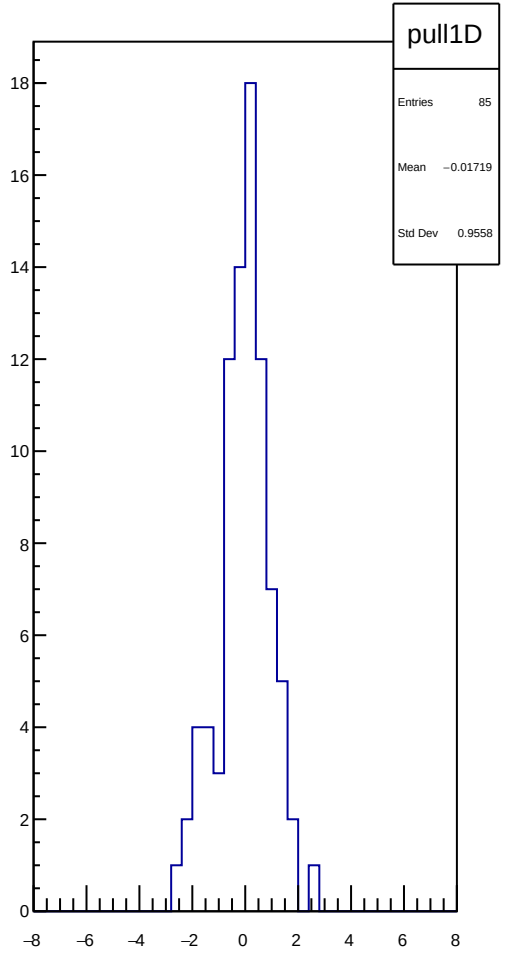

reg_asym_sam1_rms vs run
χ² / ndf 1772 / 84
p0 75.4 ± 0.05899
86
84
82
80
78
76
74
72
70
68

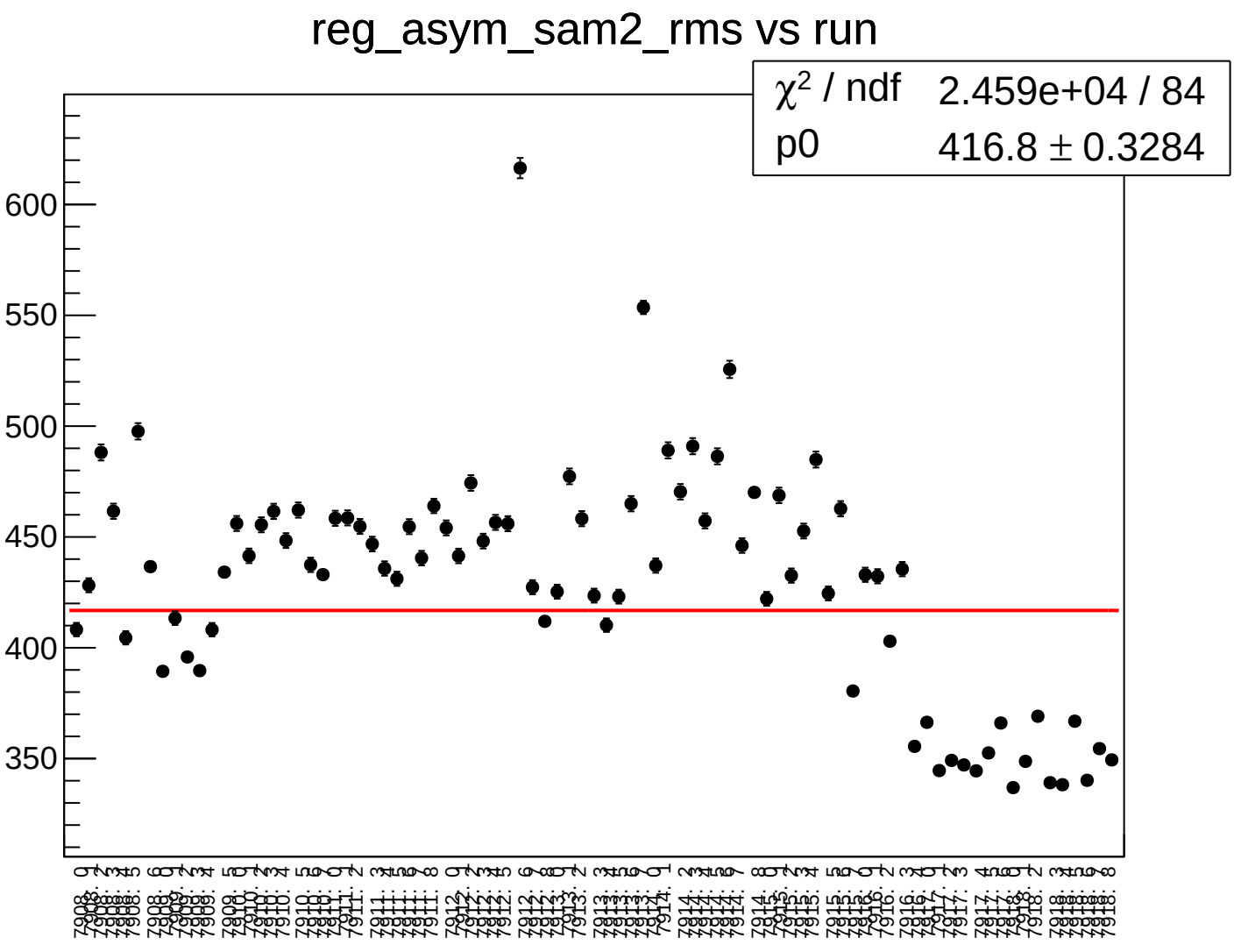

asym_sam1_correction_mean vs run
χ² / ndf 82.86 / 84
p0 −129 ± 551
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −323.6
Std Dev 269.4
3
2
1
0
−1
−2
−3

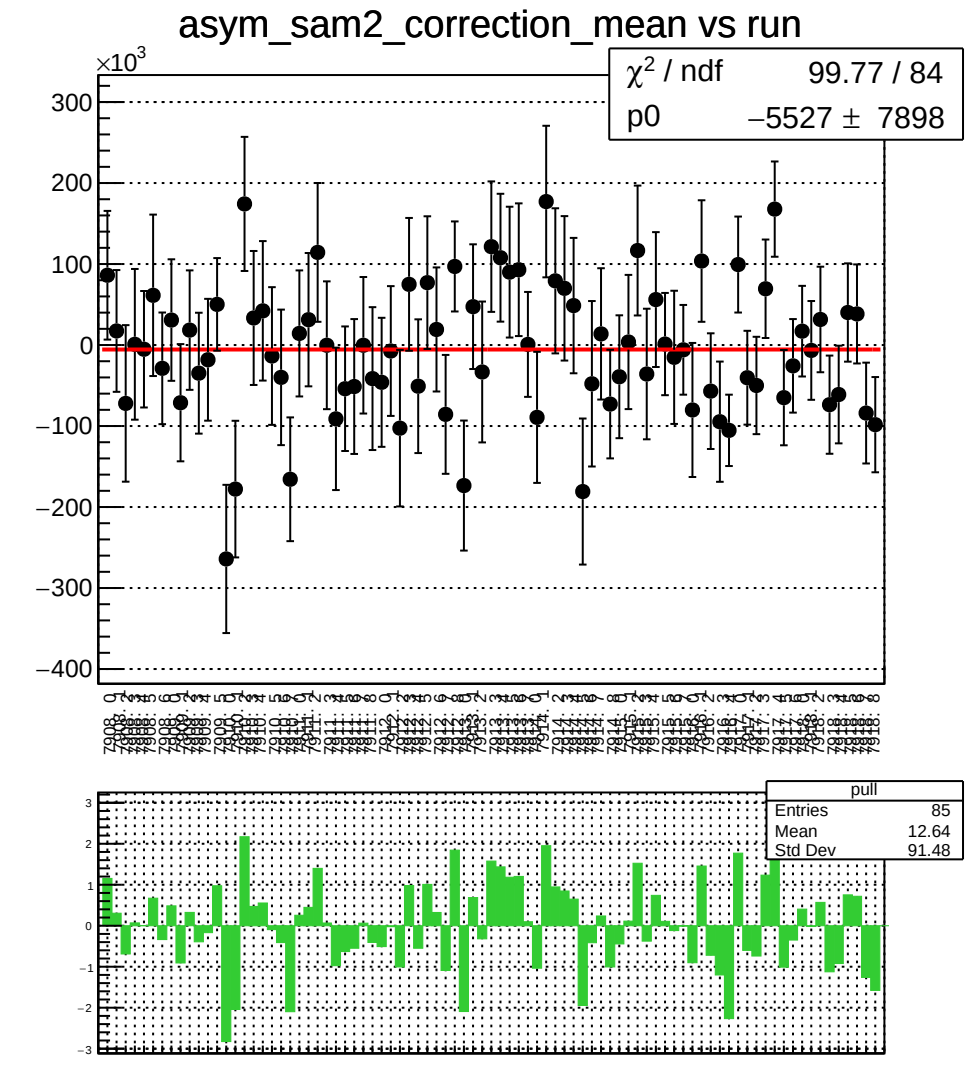

pull1D
Entries 85
Mean −0.001682
Std Dev 0.9873
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

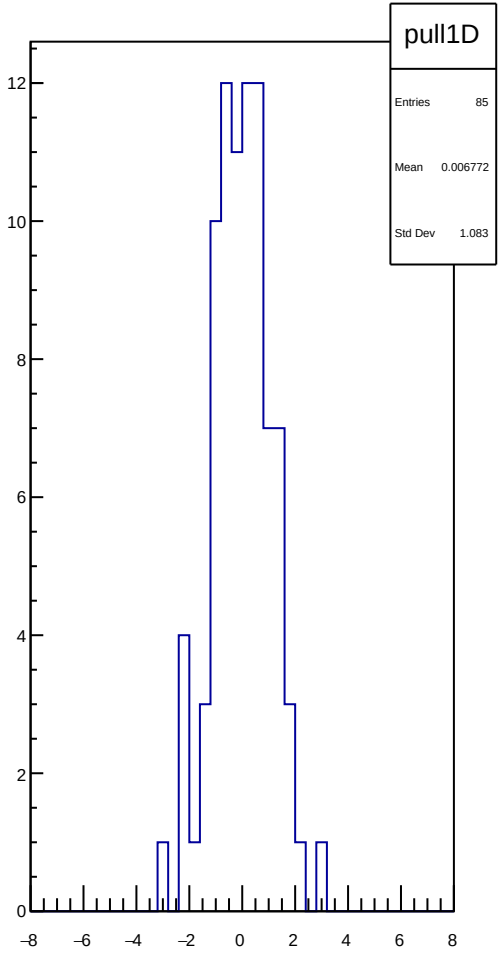

asym_sam1_correction_rms vs run
χ² / ndf 4.37e+04 / 84
p0 491.5 ± 0.3896
700
650
600
550
500
450
400
350

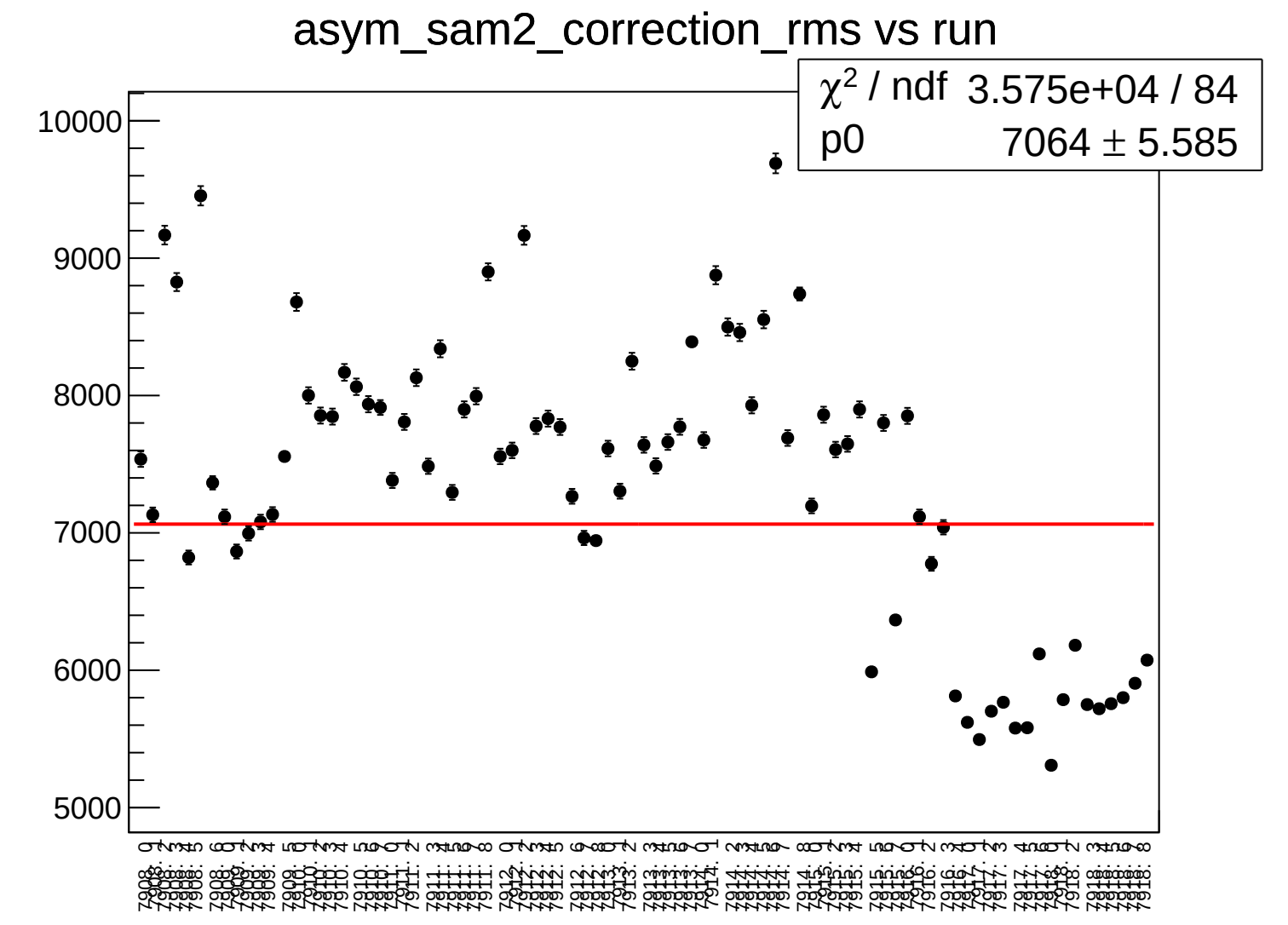

reg_asym_sam2_mean vs run
χ² / ndf 77.68 / 84
p0 −747 ± 464.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −167.4
Std Dev 205.8
2
1
0
−1
−2

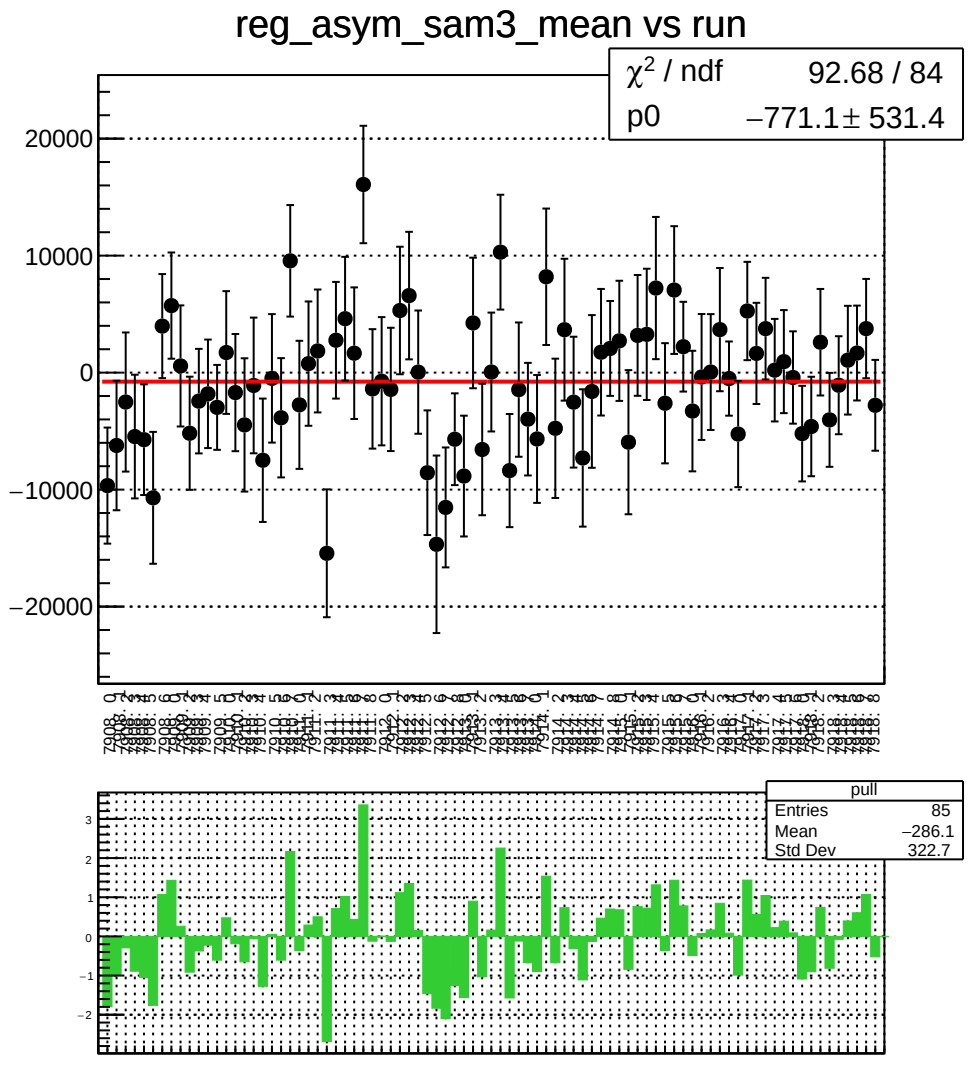

pull1D
Entries 85
Mean −0.01719
Std Dev 0.9558
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

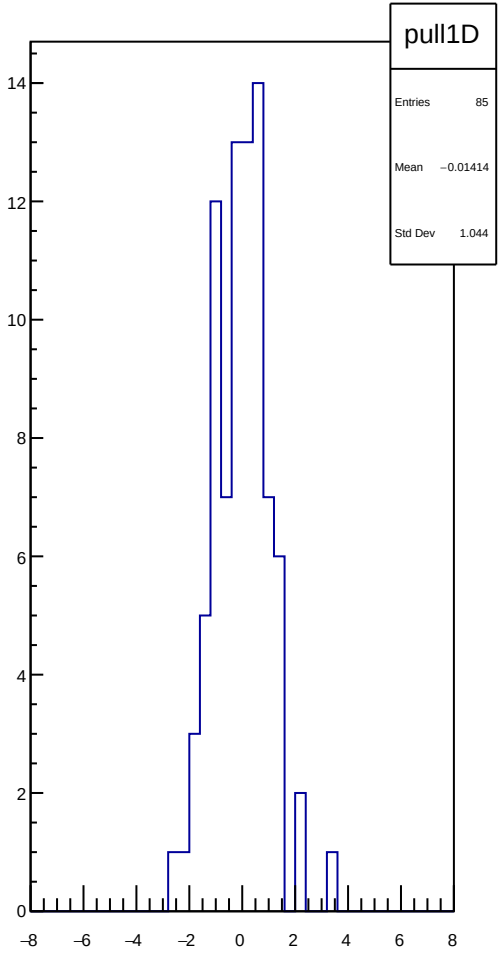

reg_asym_sam2_rms vs run
χ² / ndf 2.459e+04 / 84
p0 416.8 ± 0.3284
600
550
500
450
400
350

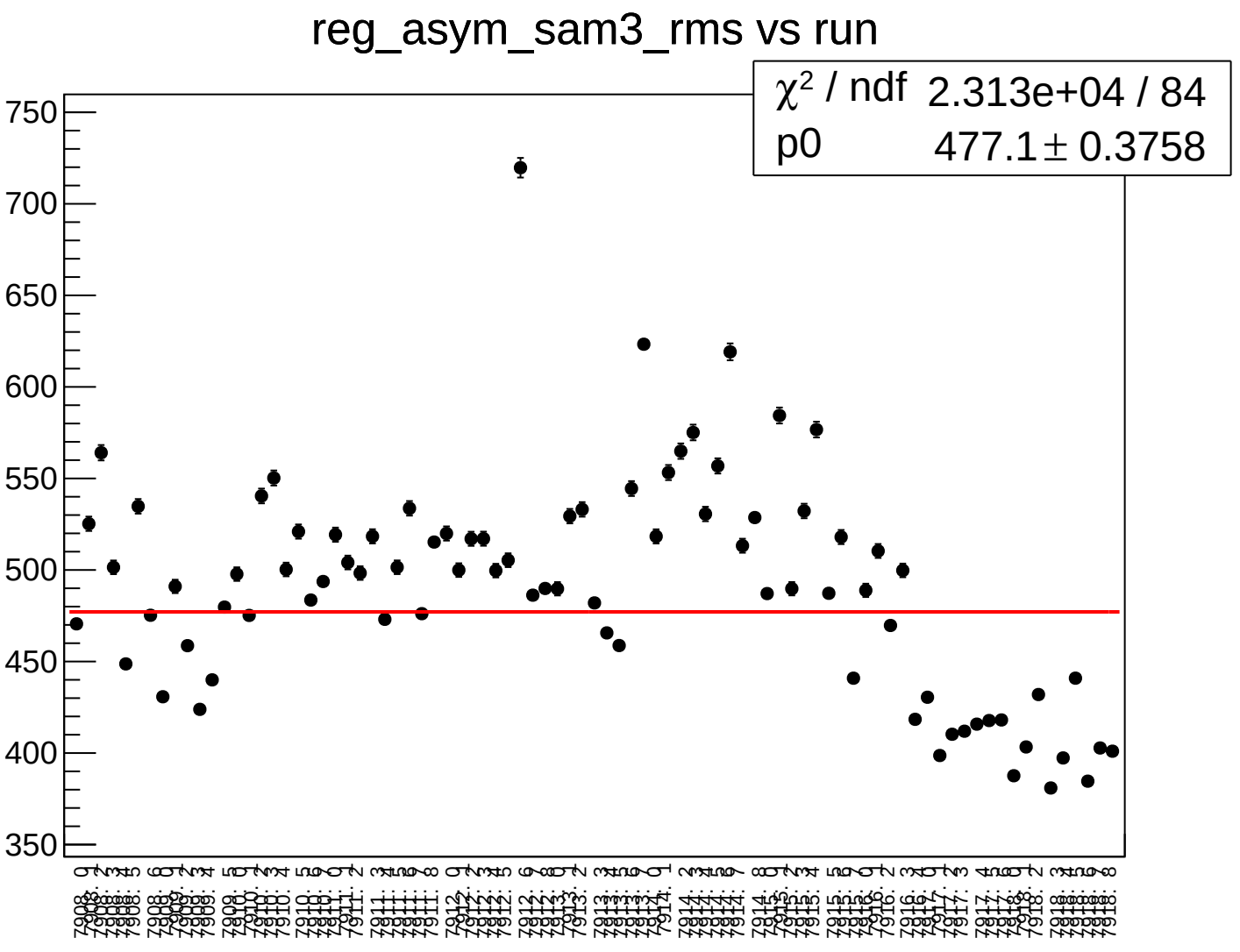

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 99.77 / 84
p0 −5527 ± 7898
300
200
100
0
−100
−200
−300
−400
pull
Entries 85
Mean 12.64
Std Dev 91.48
3
2
1
0
−1
−2
−3

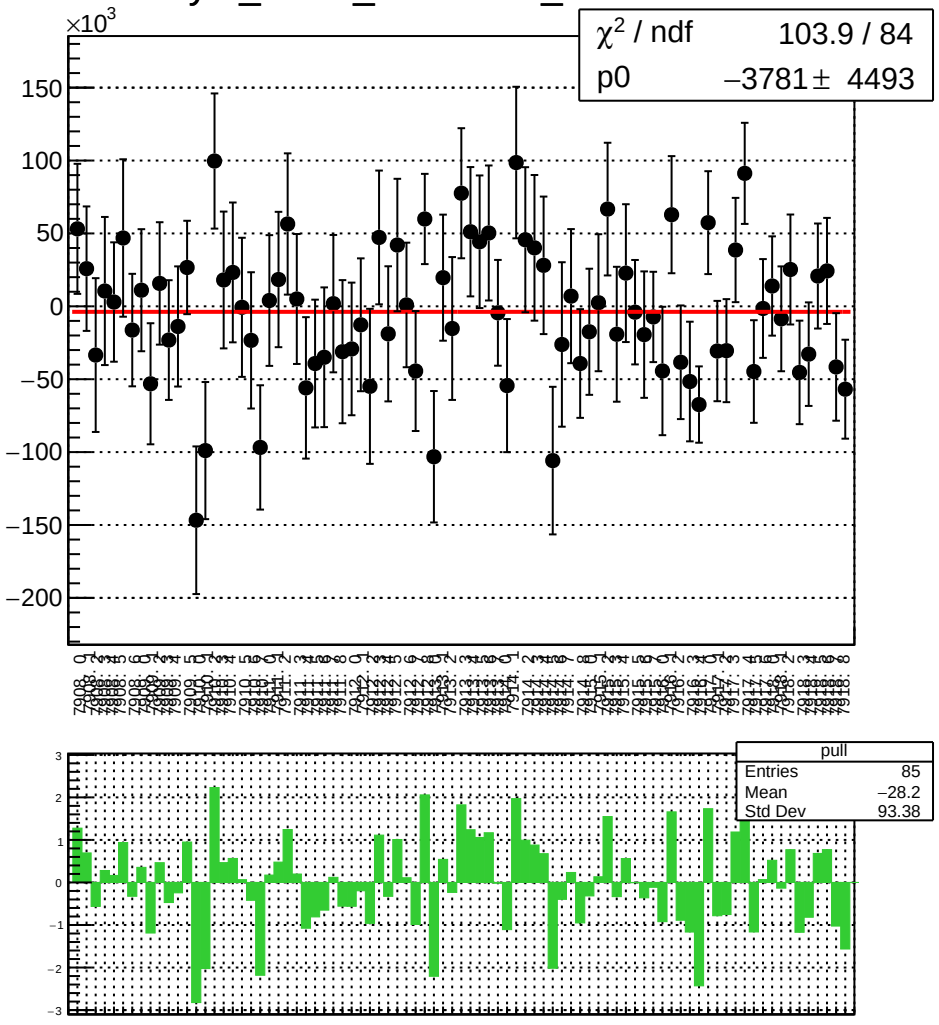

pull1D
Entries 85
Mean 0.006772
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

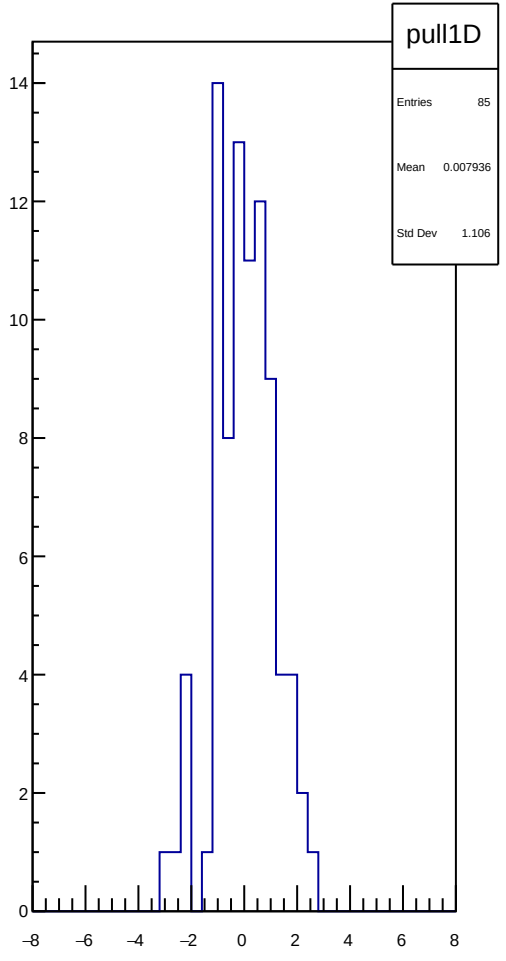

asym_sam2_correction_rms vs run
χ² / ndf 3.575e+04 / 84
p0 7064 ± 5.585
10000
9000
8000
7000
6000
5000

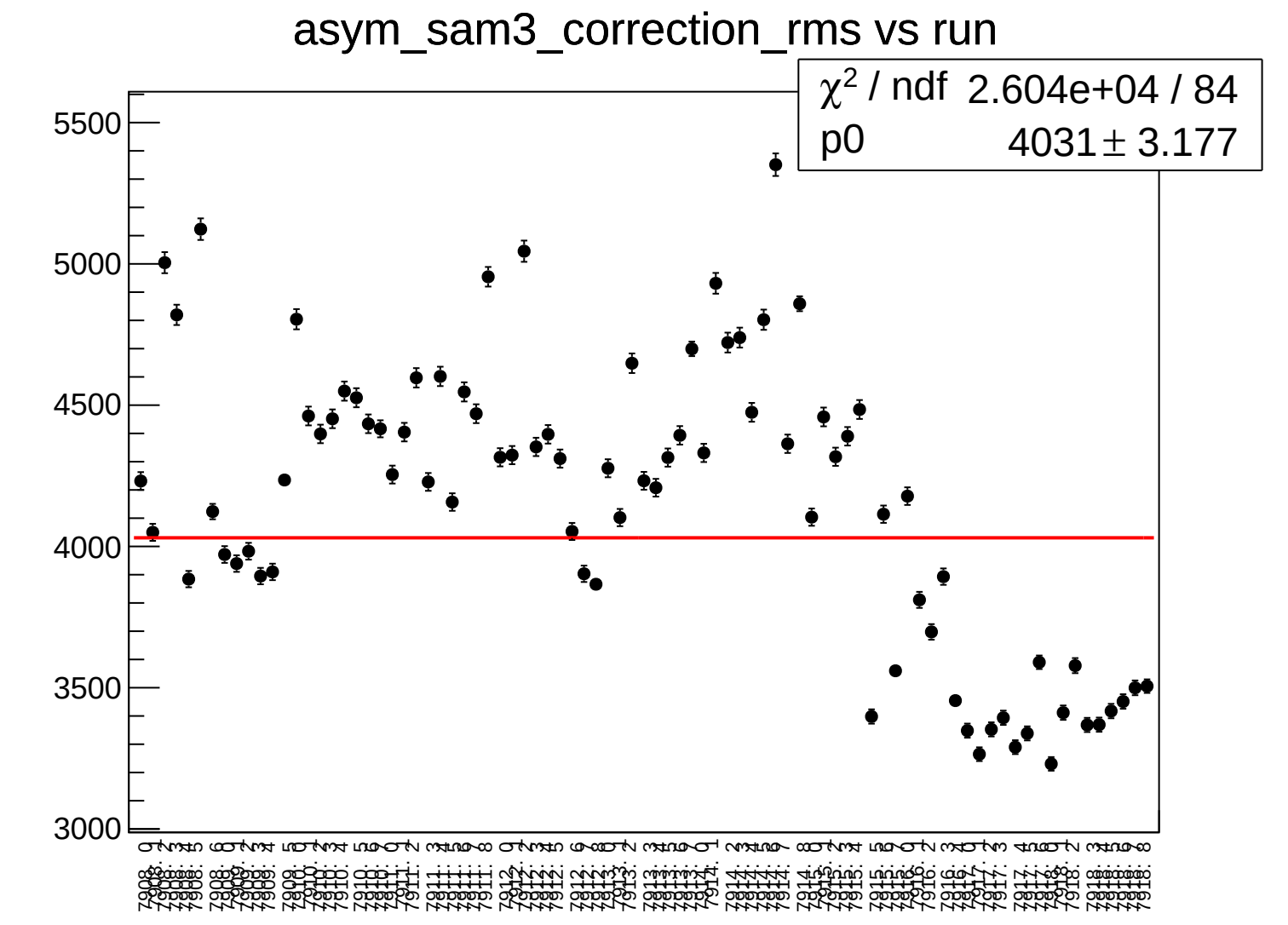

reg_asym_sam3_mean vs run
χ² / ndf 92.68 / 84
p0 −771.1 ± 531.4
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −286.1
Std Dev 322.7
3
2
1
0
−1
−2

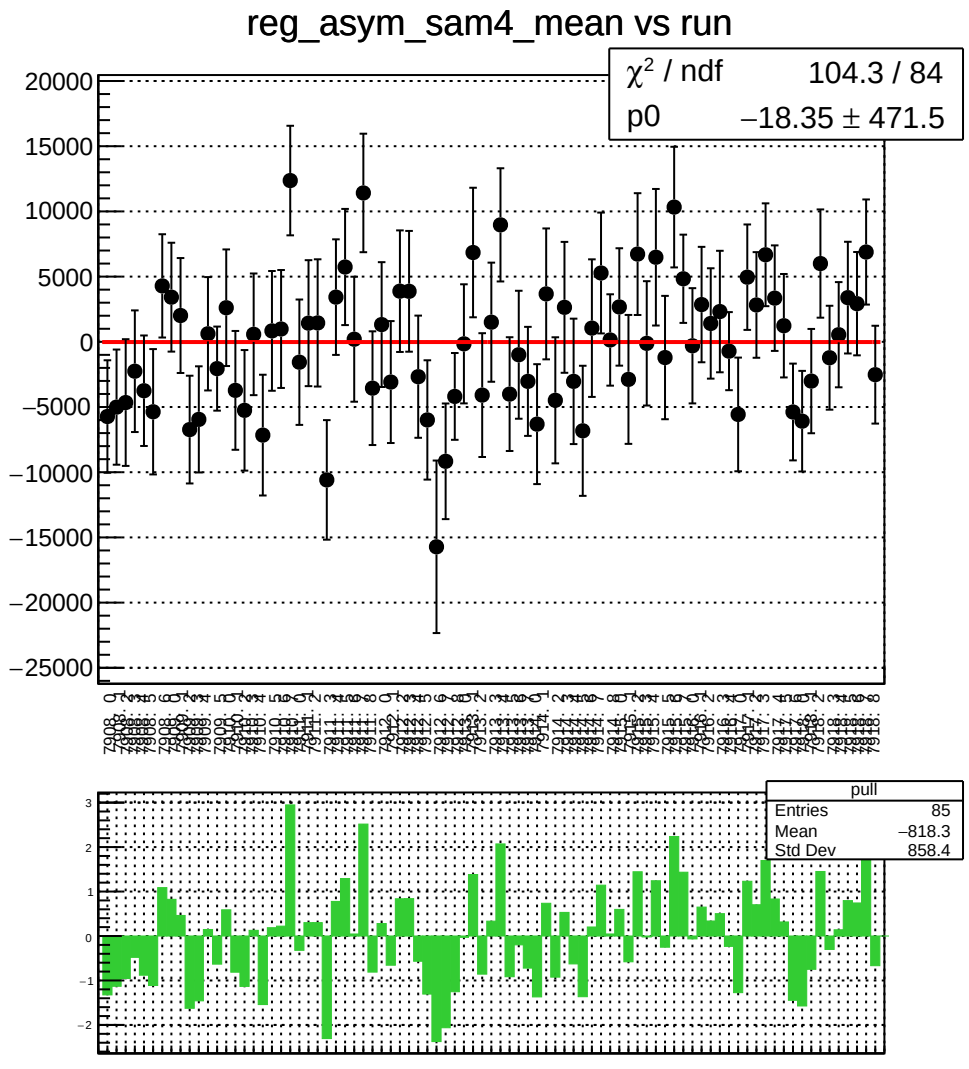

pull1D
Entries 85
Mean −0.01414
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

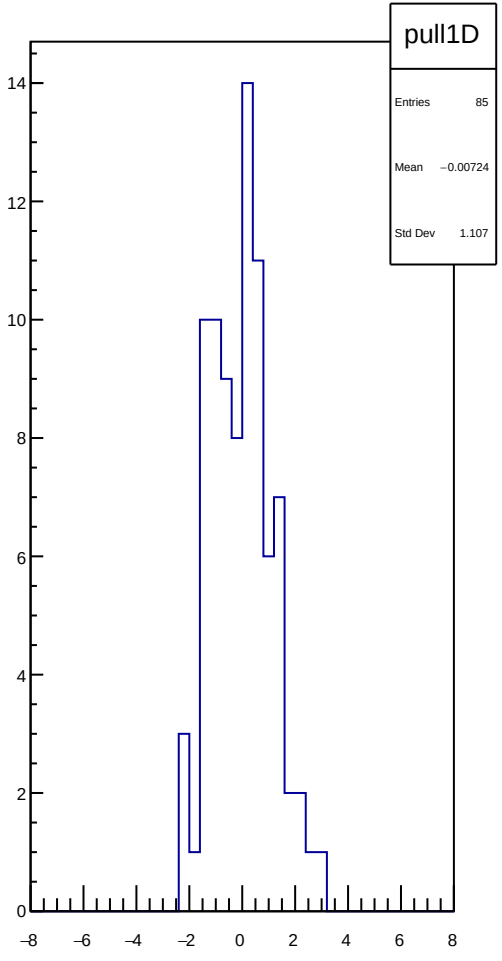

reg_asym_sam3_rms vs run
χ² / ndf 2.313e+04 / 84
p0 477.1 ± 0.3758
750
700
650
600
550
500
450
400
350

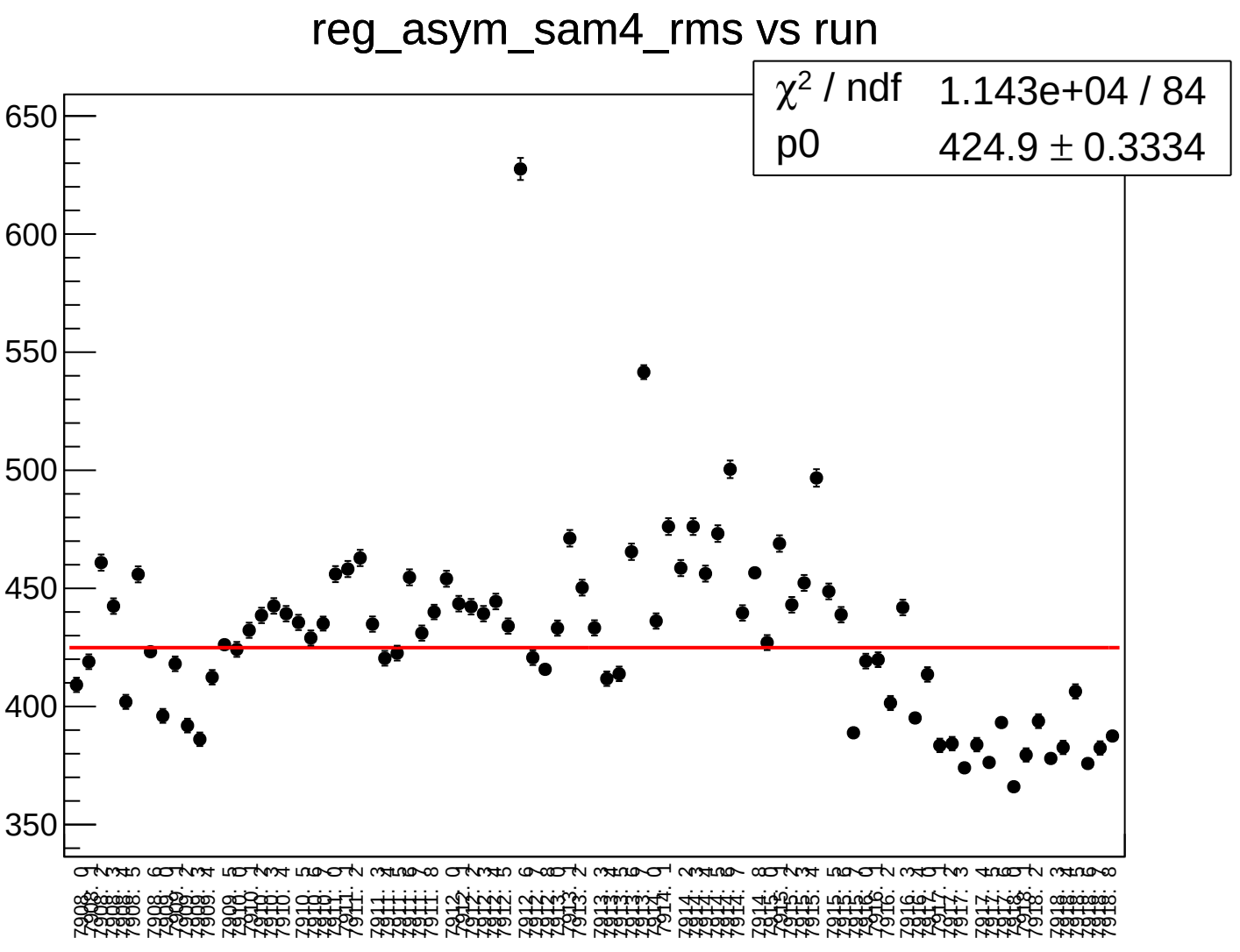

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 103.9 / 84
p0 −3781 ± 4493
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −28.2
Std Dev 93.38
3
2
1
0
−1
−2
−3

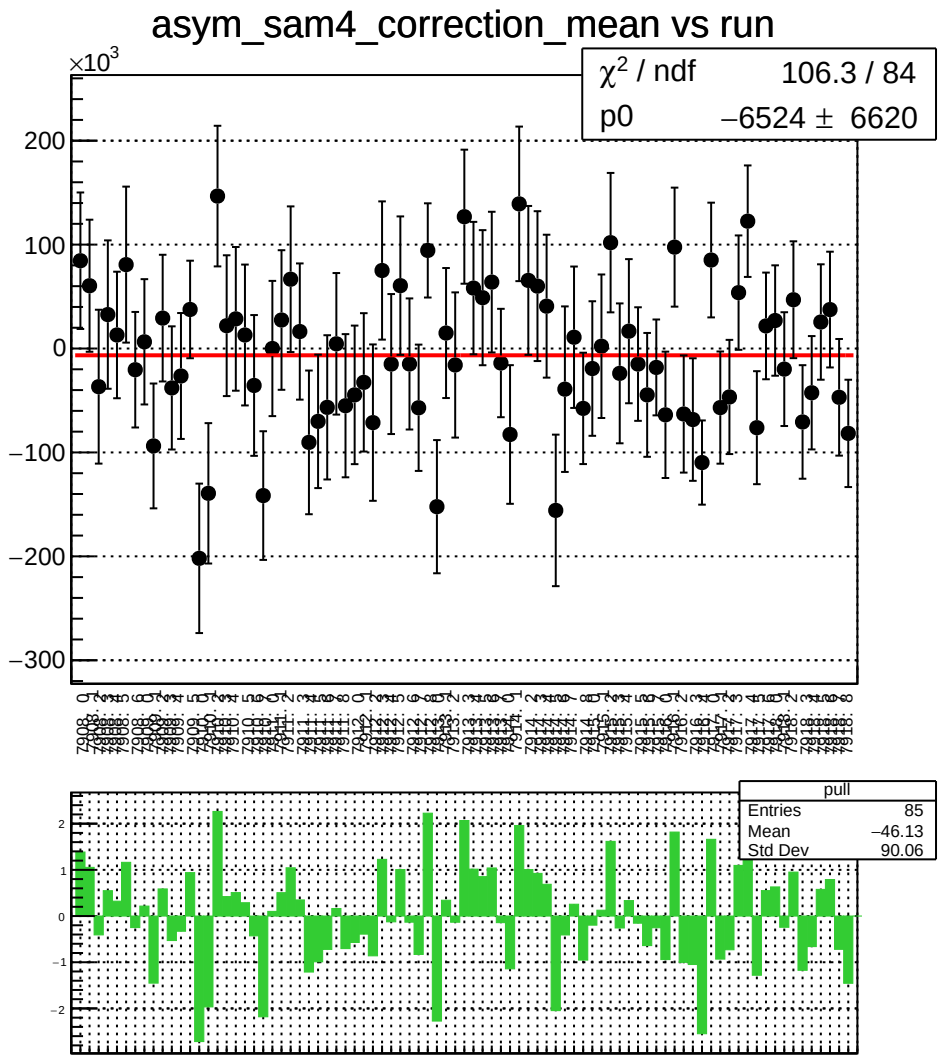

pull1D
Entries 85
Mean 0.007936
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

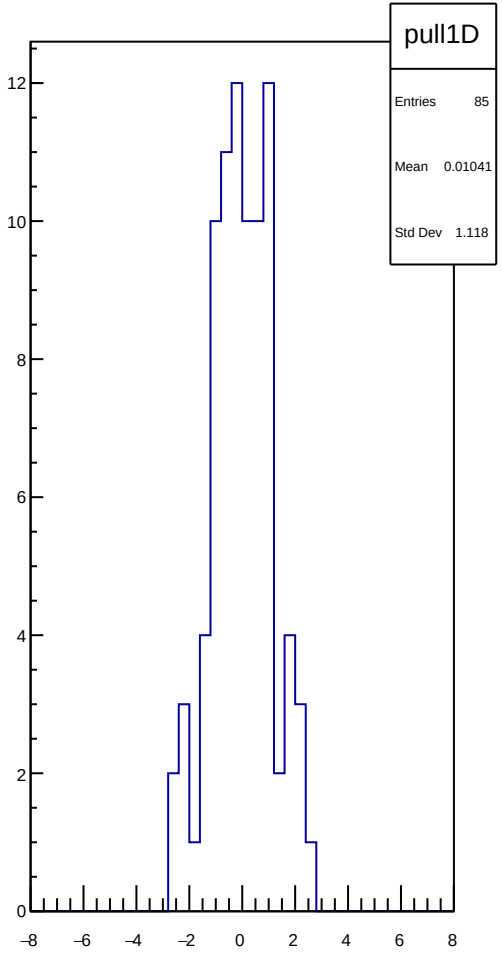

asym_sam3_correction_rms vs run
χ² / ndf 2.604e+04 / 84
p0 4031 ± 3.177
5500
5000
4500
4000
3500
3000

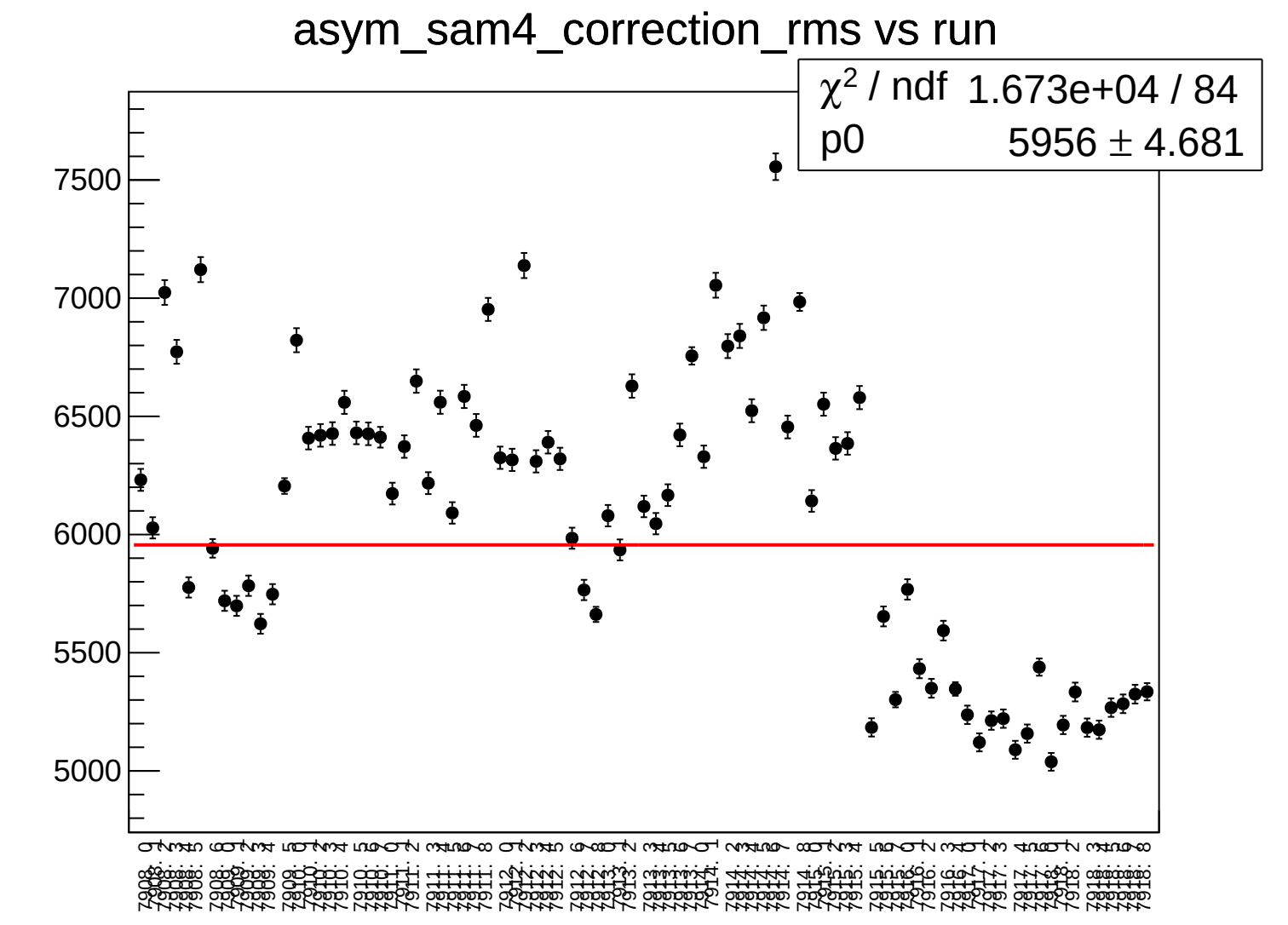

reg_asym_sam4_mean vs run
χ² / ndf 104.3 / 84
p0 −18.35 ± 471.5
pull
Entries 85
Mean −818.3
Std Dev 858.4

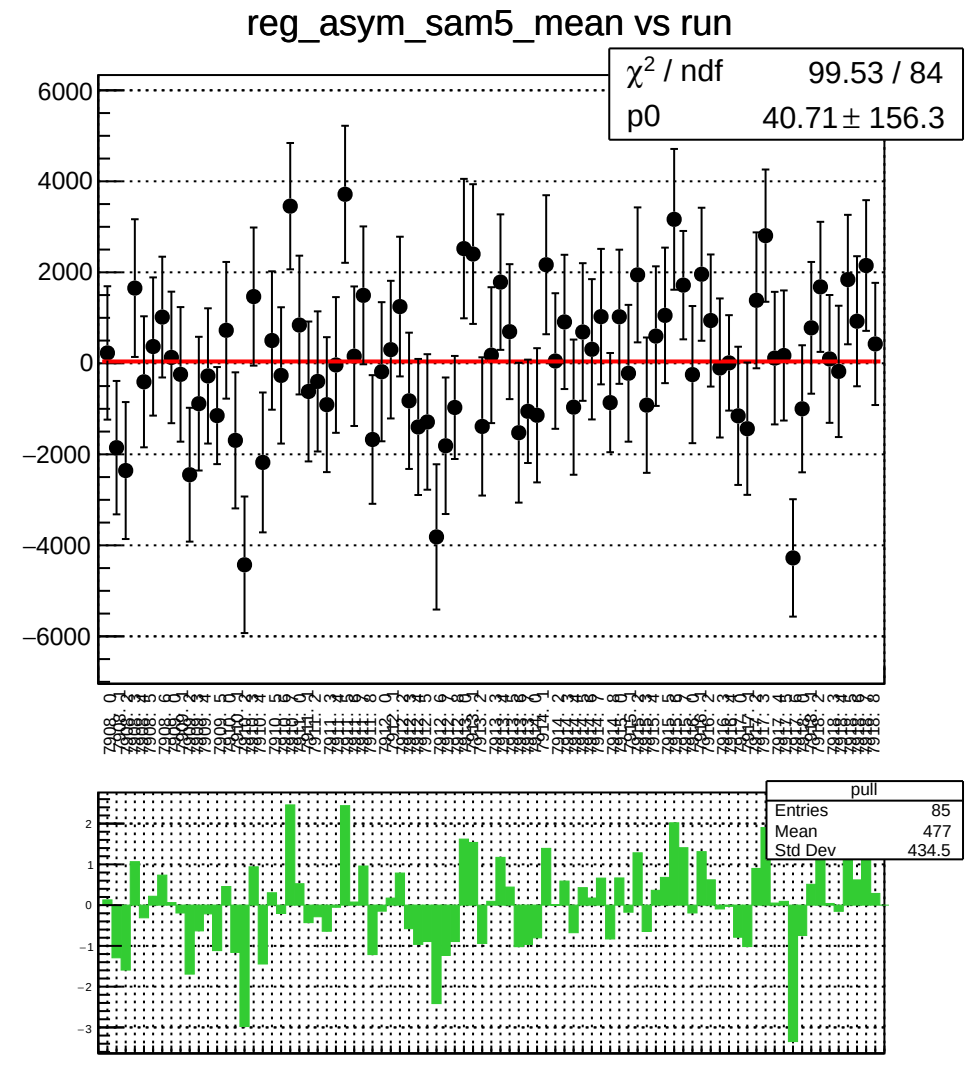

pull1D
Entries 85
Mean −0.00724
Std Dev 1.107

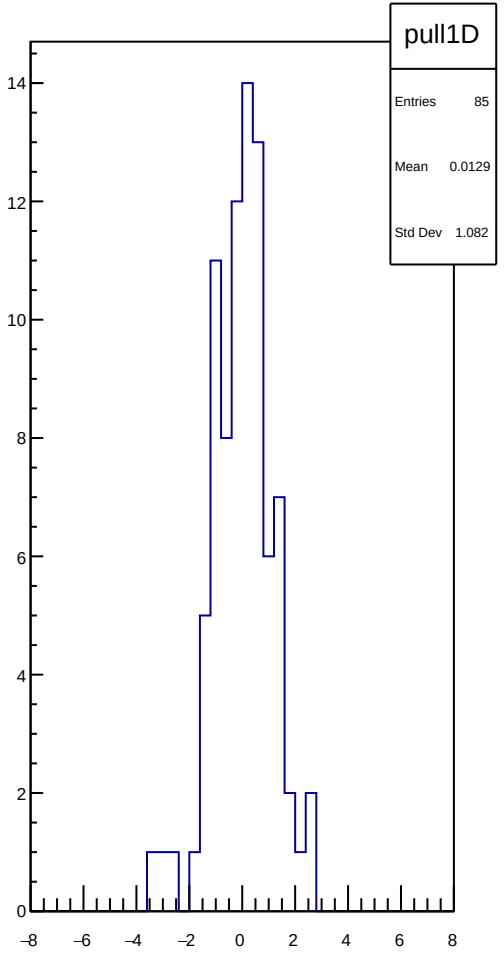

reg_asym_sam4_rms vs run
χ² / ndf 1.143e+04 / 84
p0 424.9 ± 0.3334
650
600
550
500
450
400
350

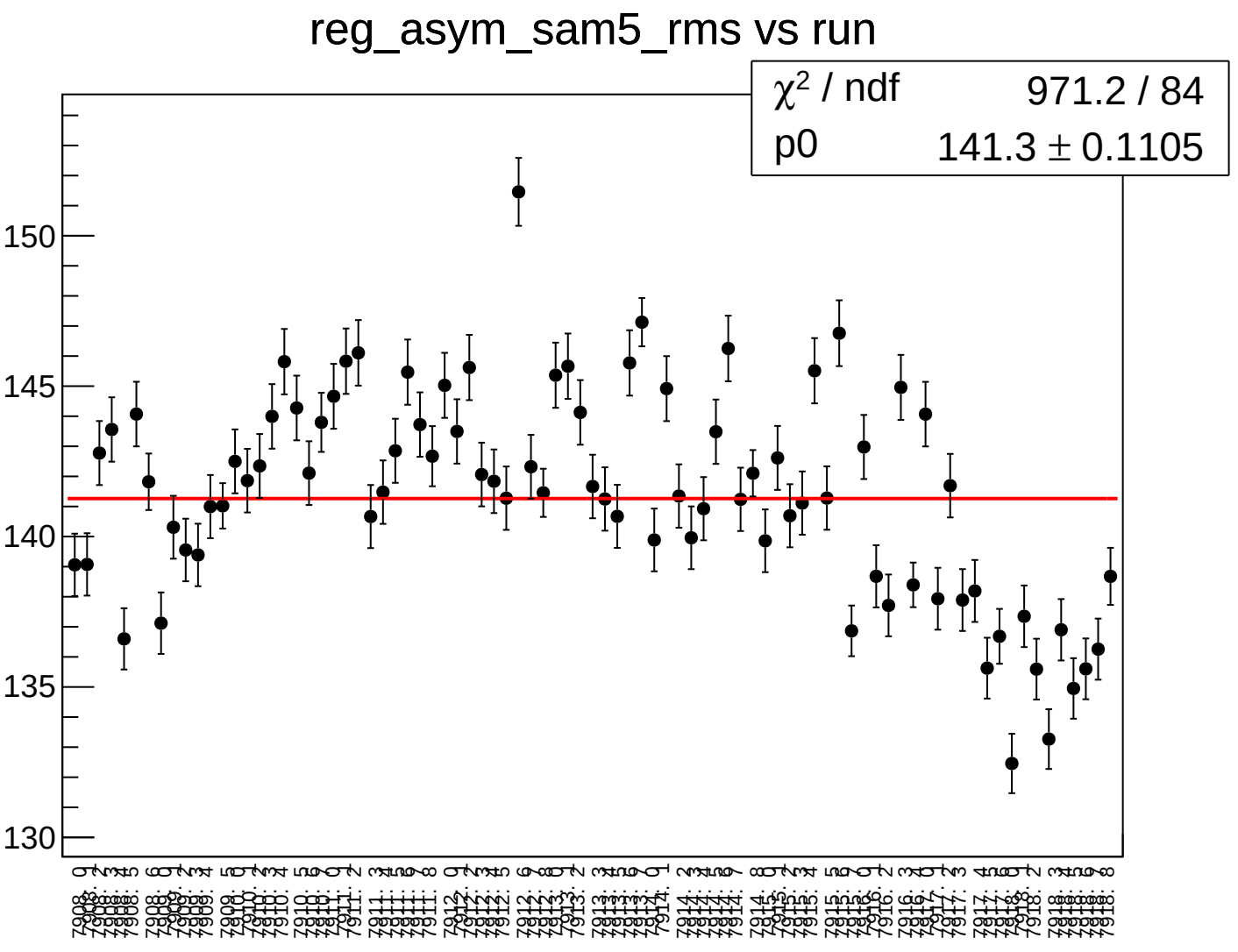

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 106.3 / 84
p0 −6524 ± 6620
200
100
0
−100
−200
−300
pull
Entries 85
Mean −46.13
Std Dev 90.06
2
1
0
−1
−2

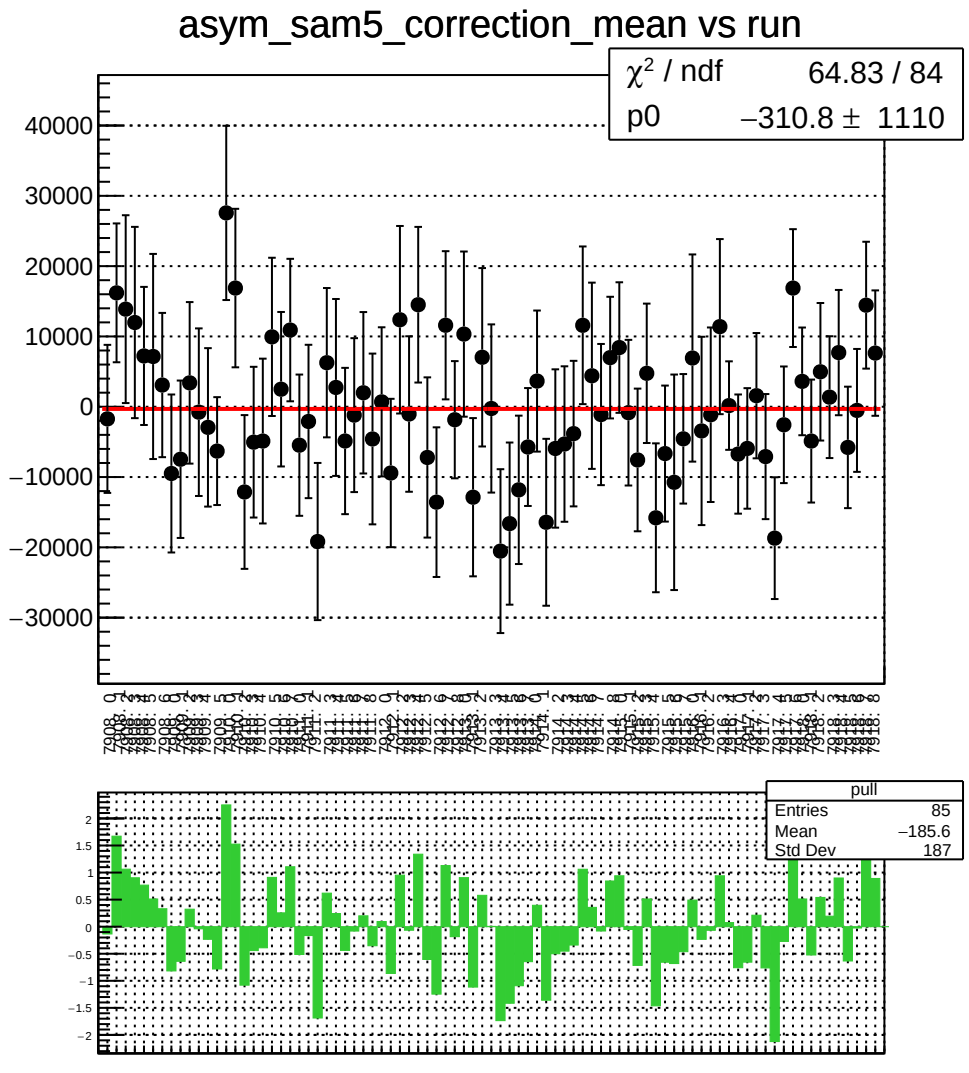

pull1D
Entries 85
Mean 0.01041
Std Dev 1.118
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

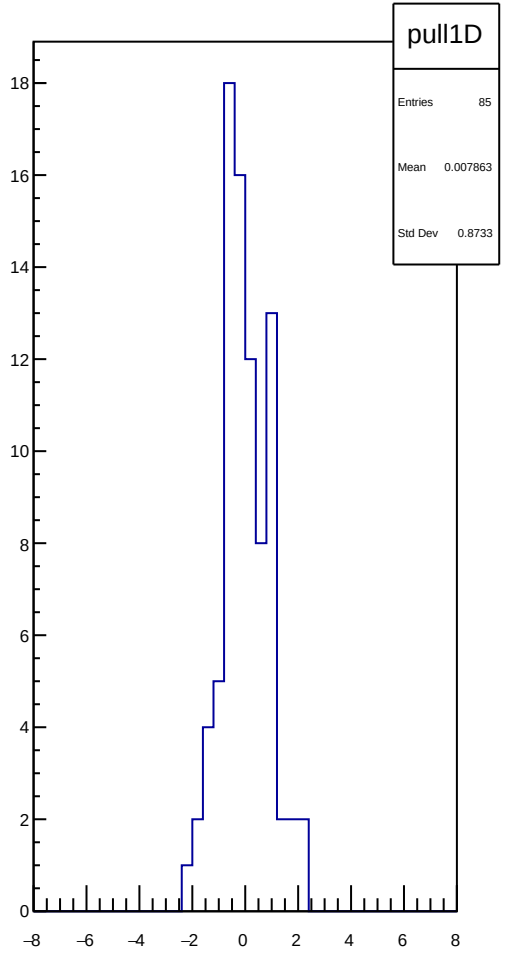

asym_sam4_correction_rms vs run
χ^2 / ndf 1.673e+04 / 84
p0 5956 ± 4.681
7500
7000
6500
6000
5500
5000

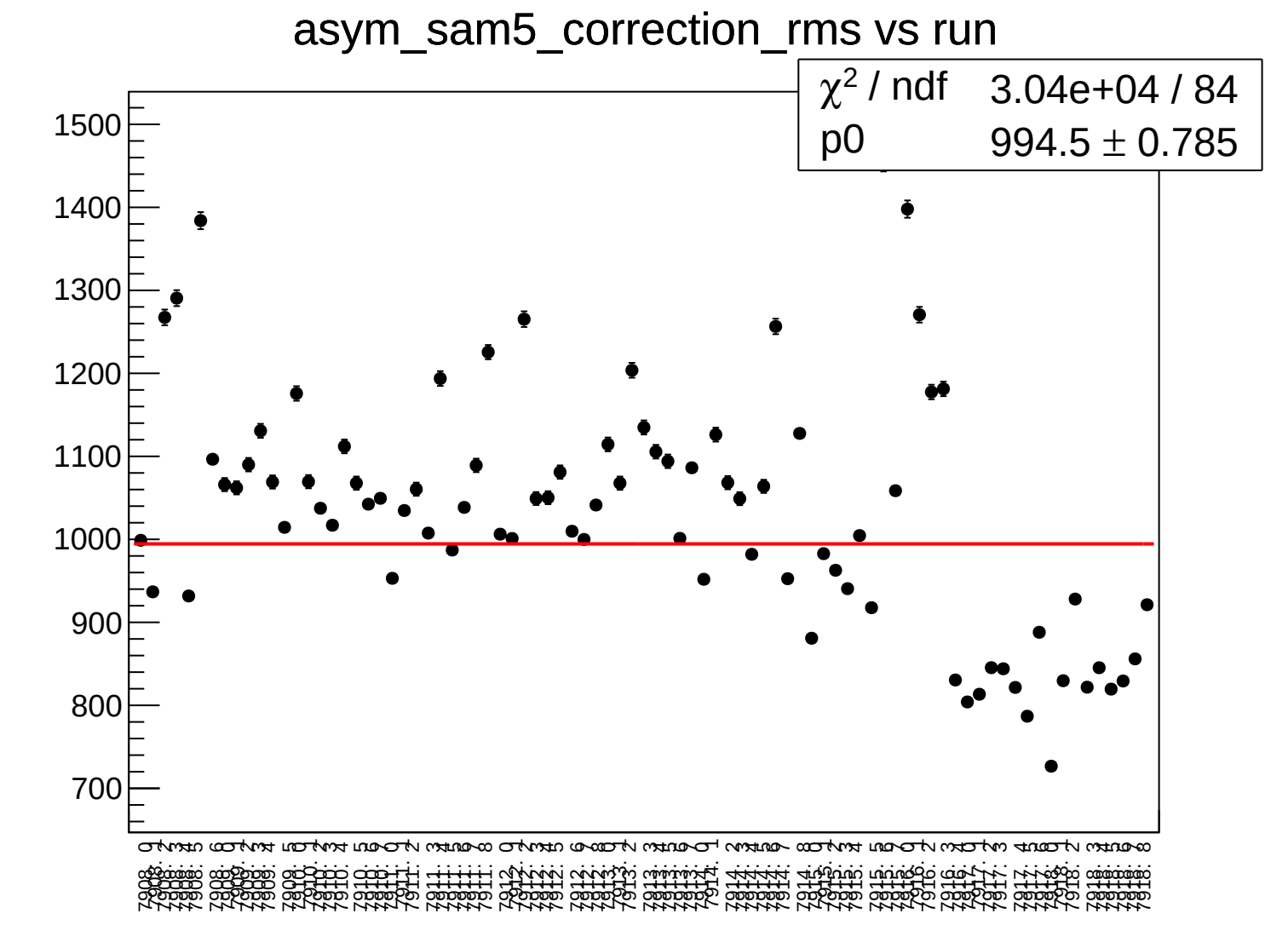

reg_asym_sam5_mean vs run
χ^2 / ndf 99.53 / 84
p0 40.71 ± 156.3
pull
Entries 85
Mean 477
Std Dev 434.5

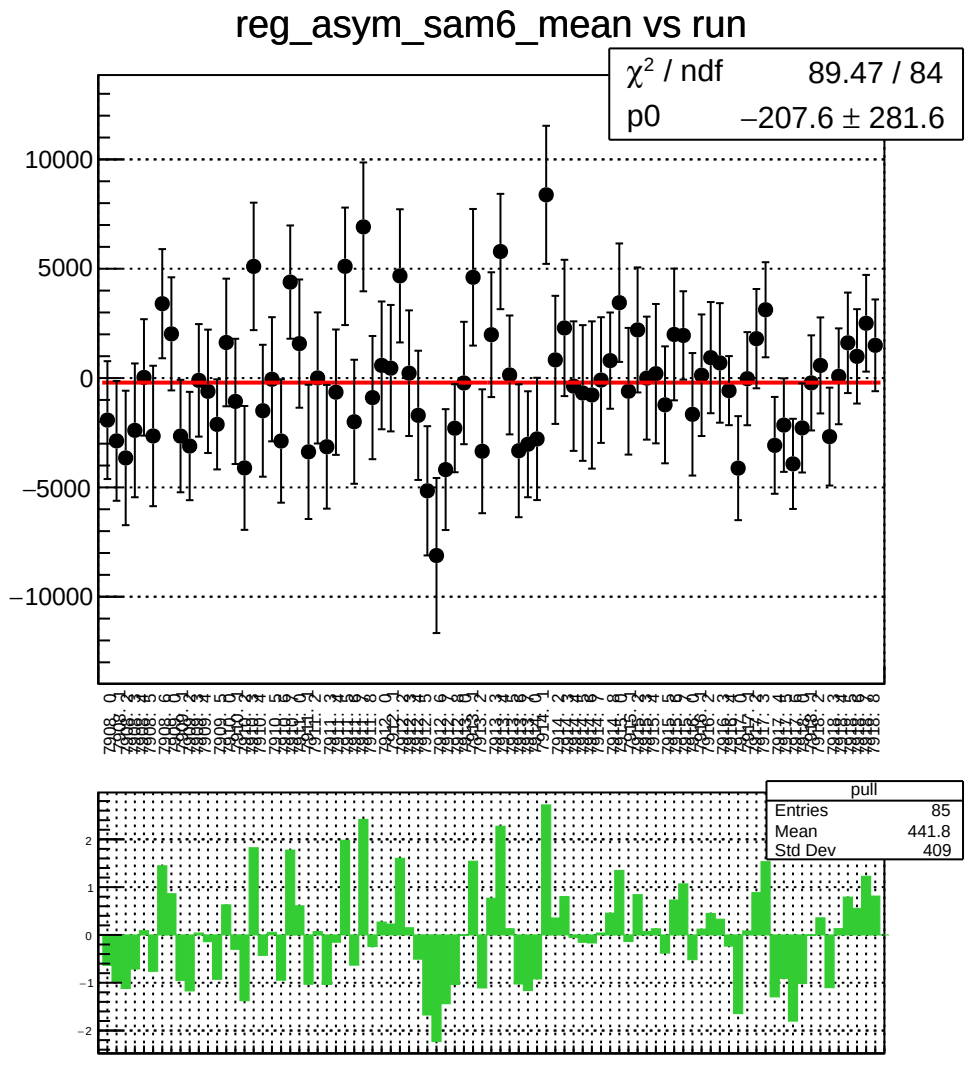

pull1D
Entries 85
Mean 0.0129
Std Dev 1.082

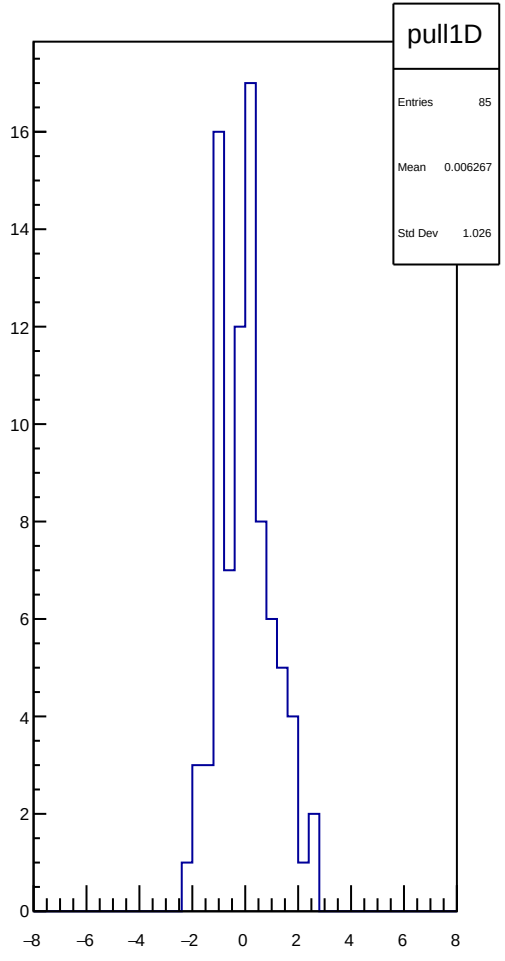

reg_asym_sam5_rms vs run
χ² / ndf 971.2 / 84
p0 141.3 ± 0.1105
150
145
140
135
130

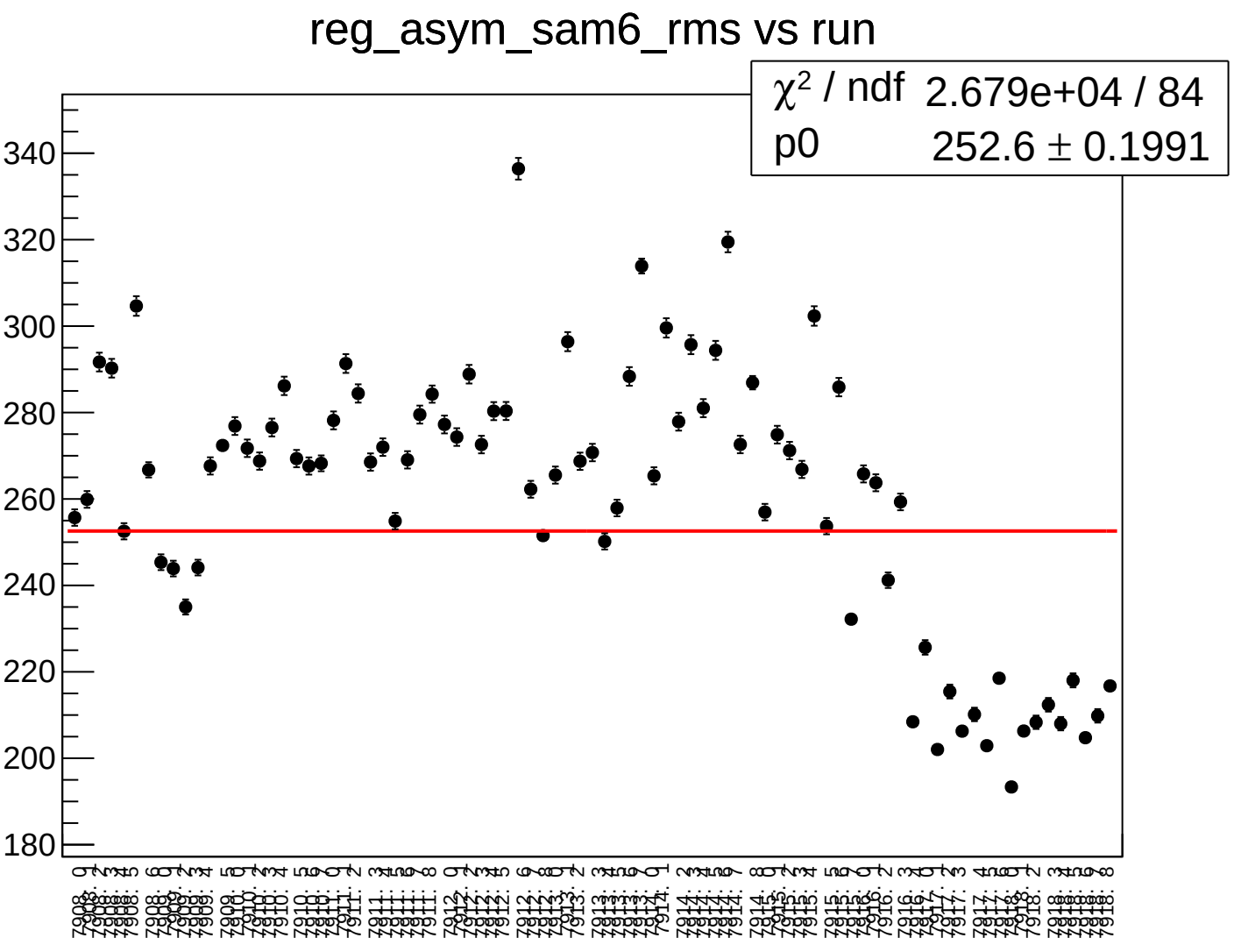

asym_sam5_correction_mean vs run
χ² / ndf 64.83 / 84
p0 −310.8 ± 1110
pull
Entries 85
Mean −185.6
Std Dev 187

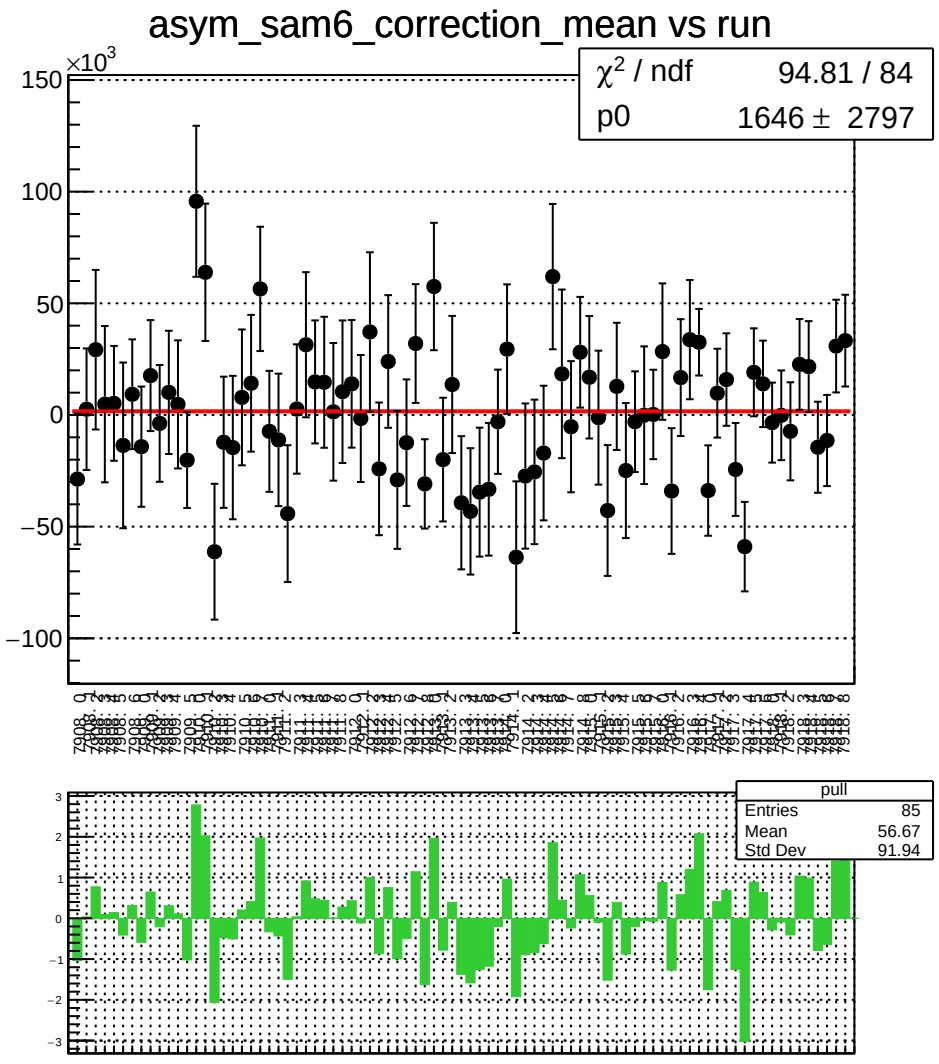

pull1D
Entries 85
Mean 0.007863
Std Dev 0.8733

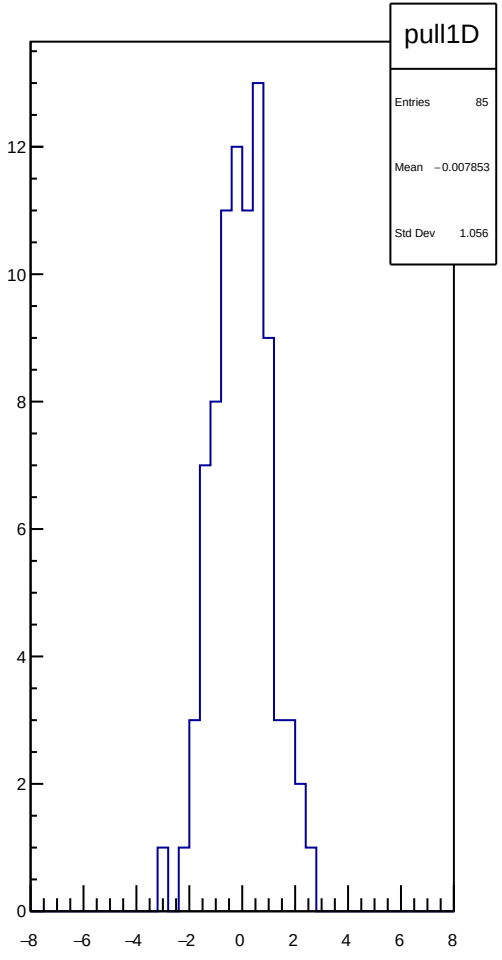

asym_sam5_correction_rms vs run
χ² / ndf 3.04e+04 / 84
p0 994.5 ± 0.785
1500
1400
1300
1200
1100
1000
900
800
700

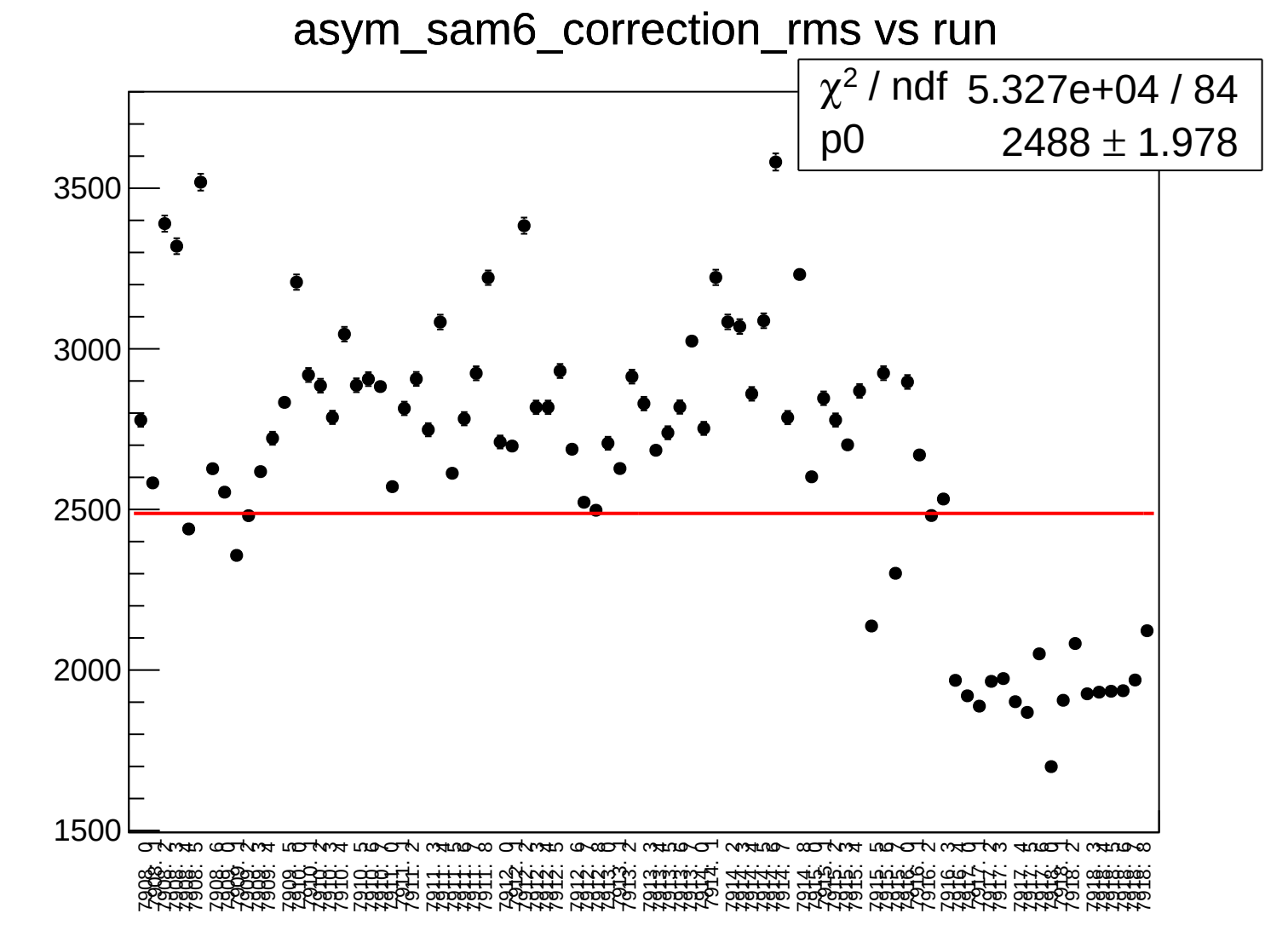

reg_asym_sam6_mean vs run
χ² / ndf 89.47 / 84
p0 −207.6 ± 281.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 441.8
Std Dev 409
2
1
0
−1
−2

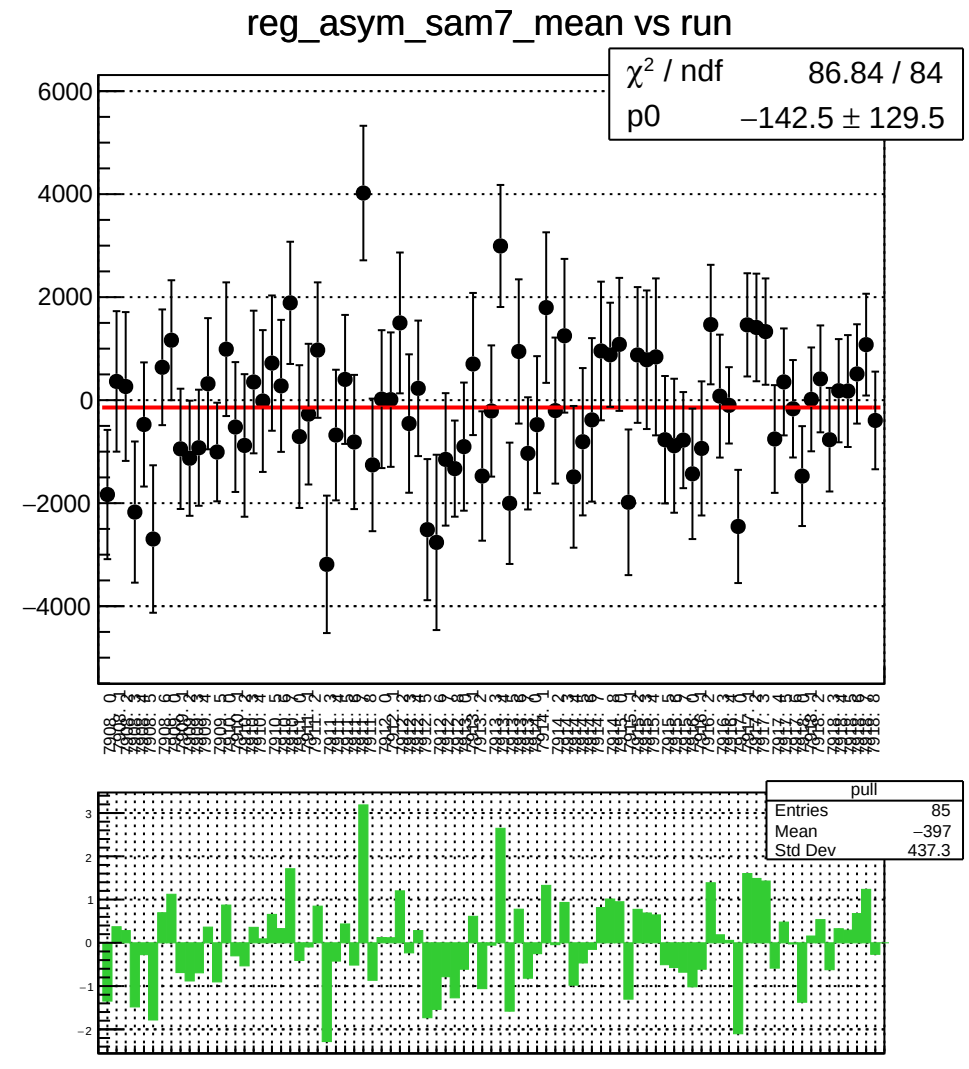

pull1D
Entries 85
Mean 0.006267
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

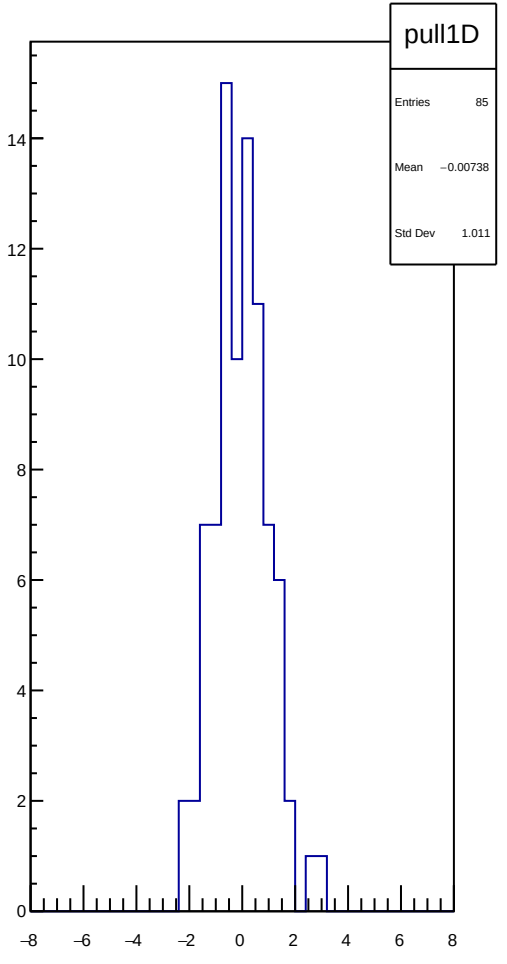

reg_asym_sam6_rms vs run
χ² / ndf 2.679e+04 / 84
p0 252.6 ± 0.1991
340
320
300
280
260
240
220
200
180

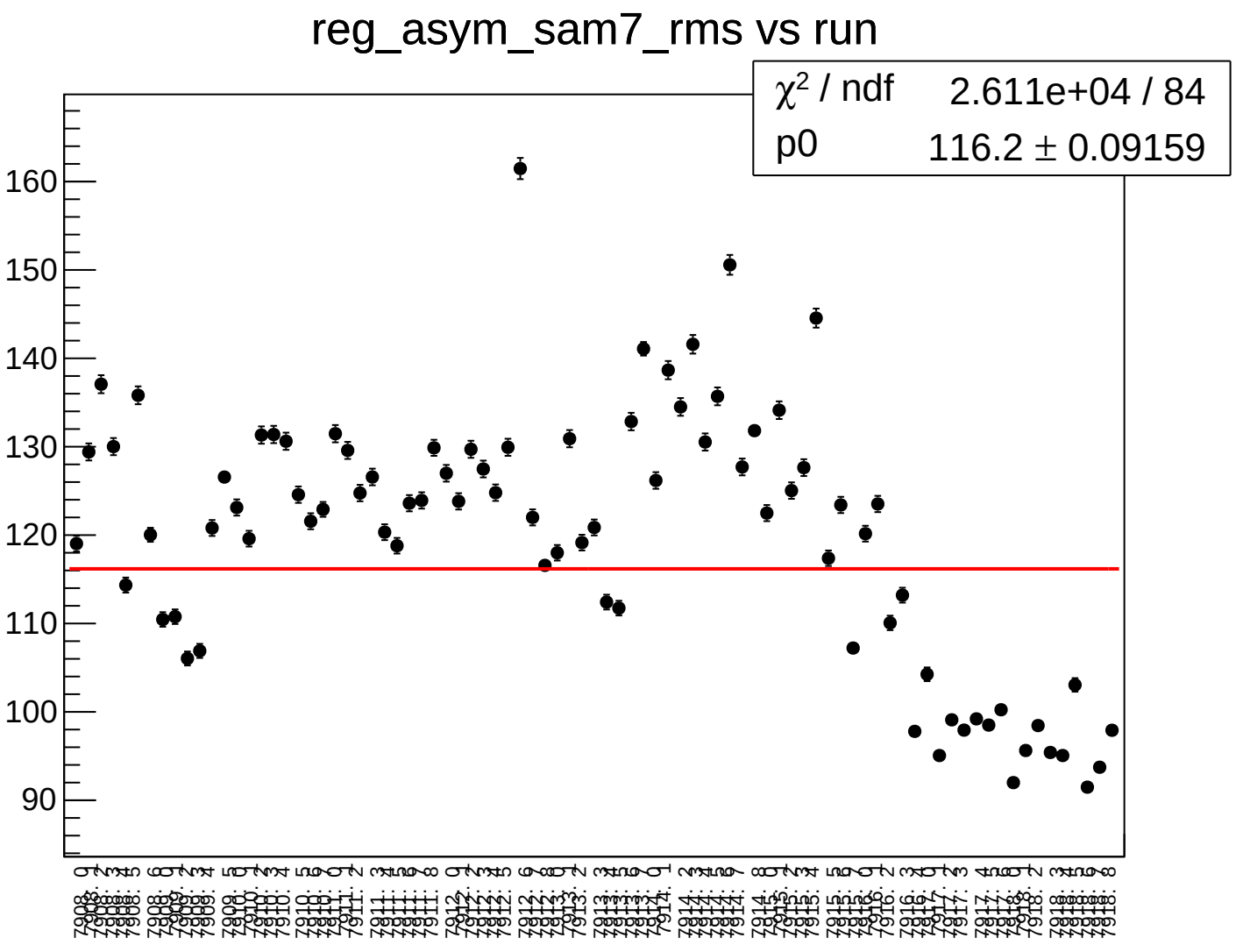

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 94.81 / 84
p0 1646 ± 2797
150
100
50
0
−50
−100
pull
Entries 85
Mean 56.67
Std Dev 91.94
3
2
1
0
−1
−2
−3

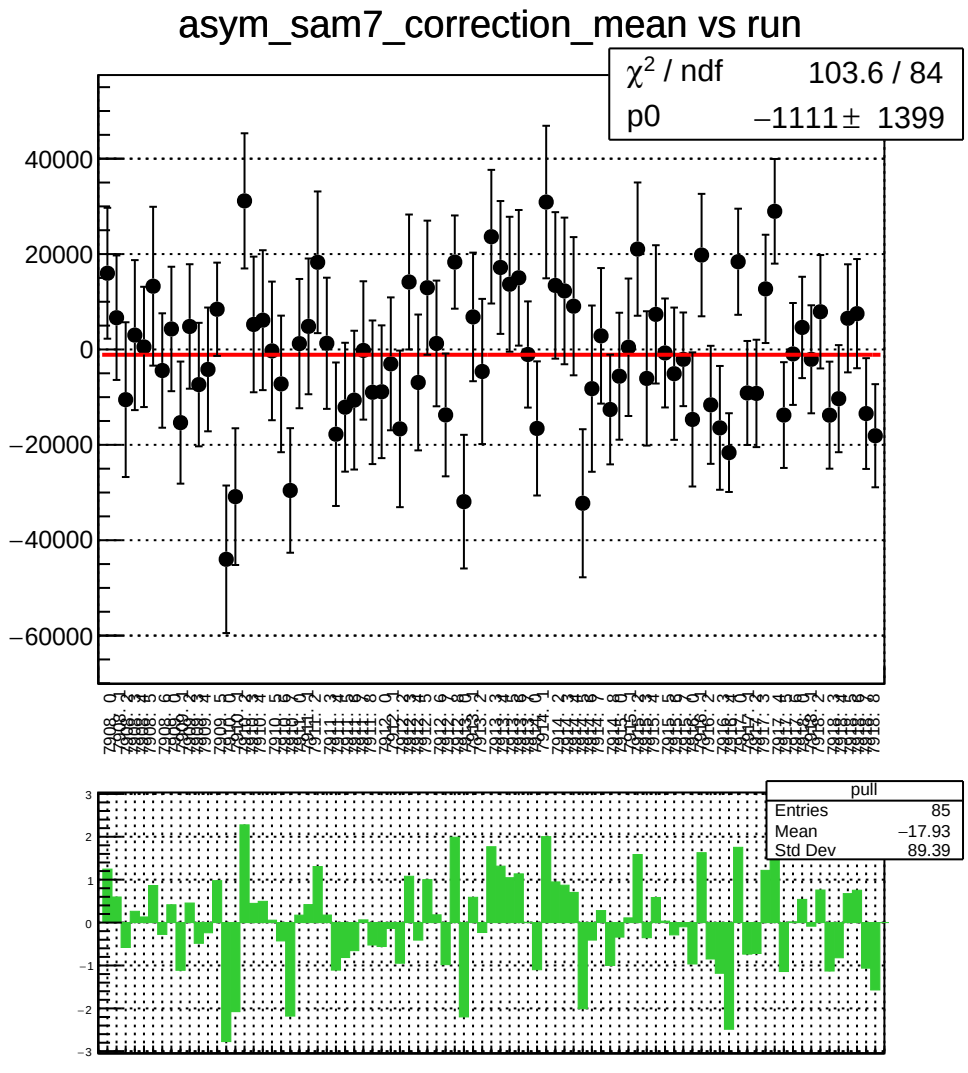

pull1D
Entries 85
Mean −0.007853
Std Dev 1.056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

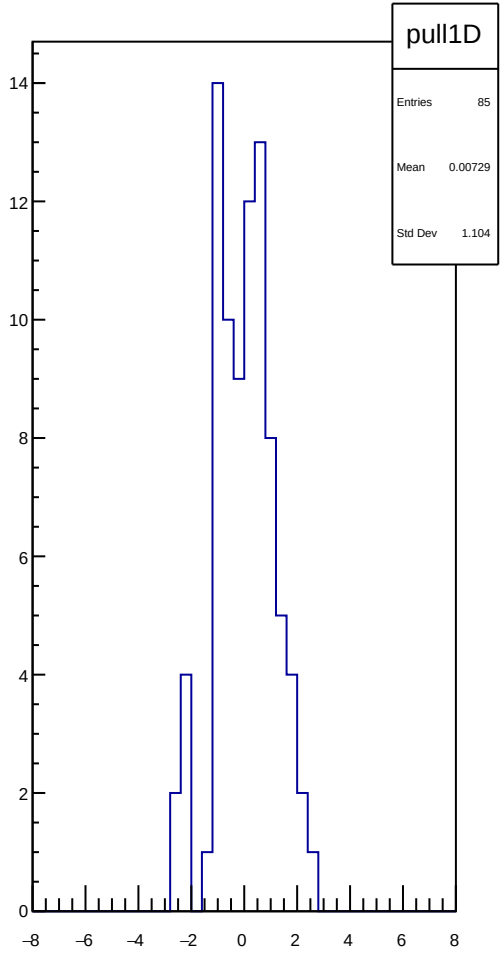

asym_sam6_correction_rms vs run
χ² / ndf 5.327e+04 / 84
p0 2488 ± 1.978
3500
3000
2500
2000
1500

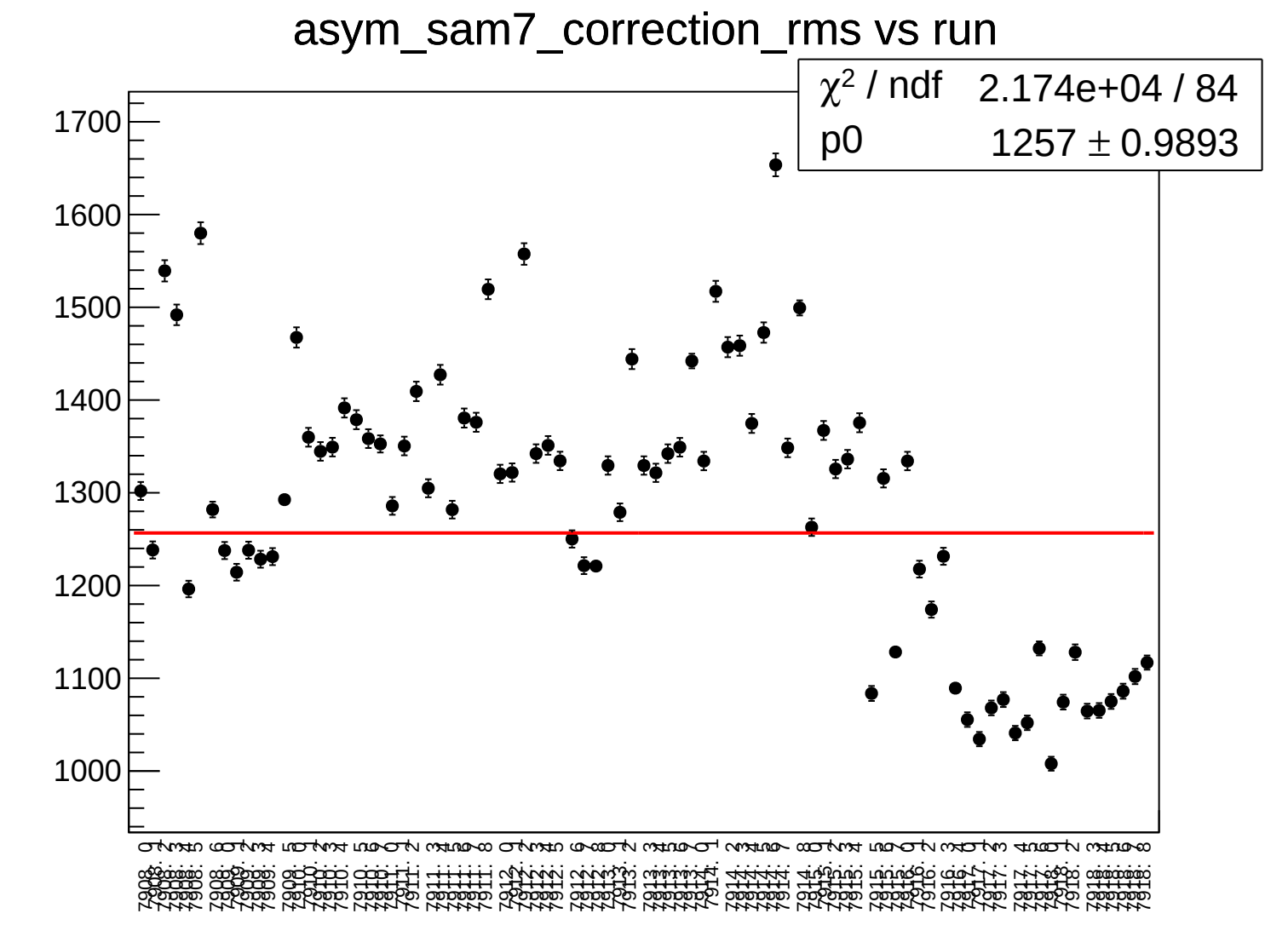

reg_asym_sam7_mean vs run
χ² / ndf 86.84 / 84
p0 −142.5 ± 129.5
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −397
Std Dev 437.3
3
2
1
0
−1
−2

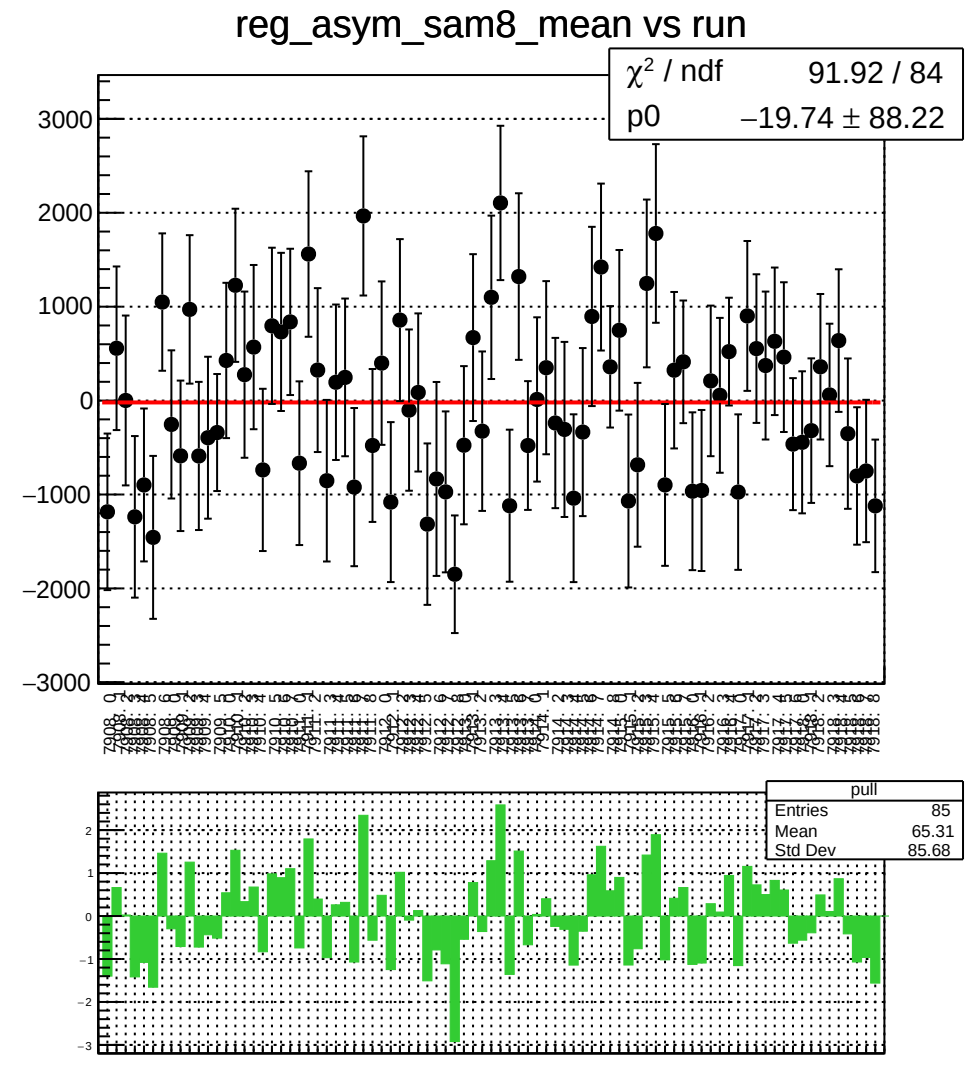

pull1D
Entries 85
Mean −0.00738
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

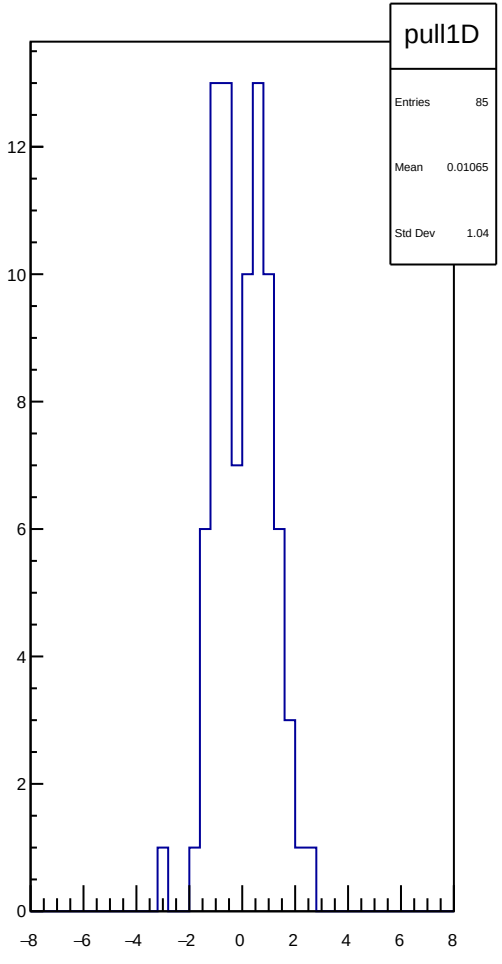

reg_asym_sam7_rms vs run
χ² / ndf 2.611e+04 / 84
p0 116.2 ± 0.09159
160
150
140
130
120
110
100
90

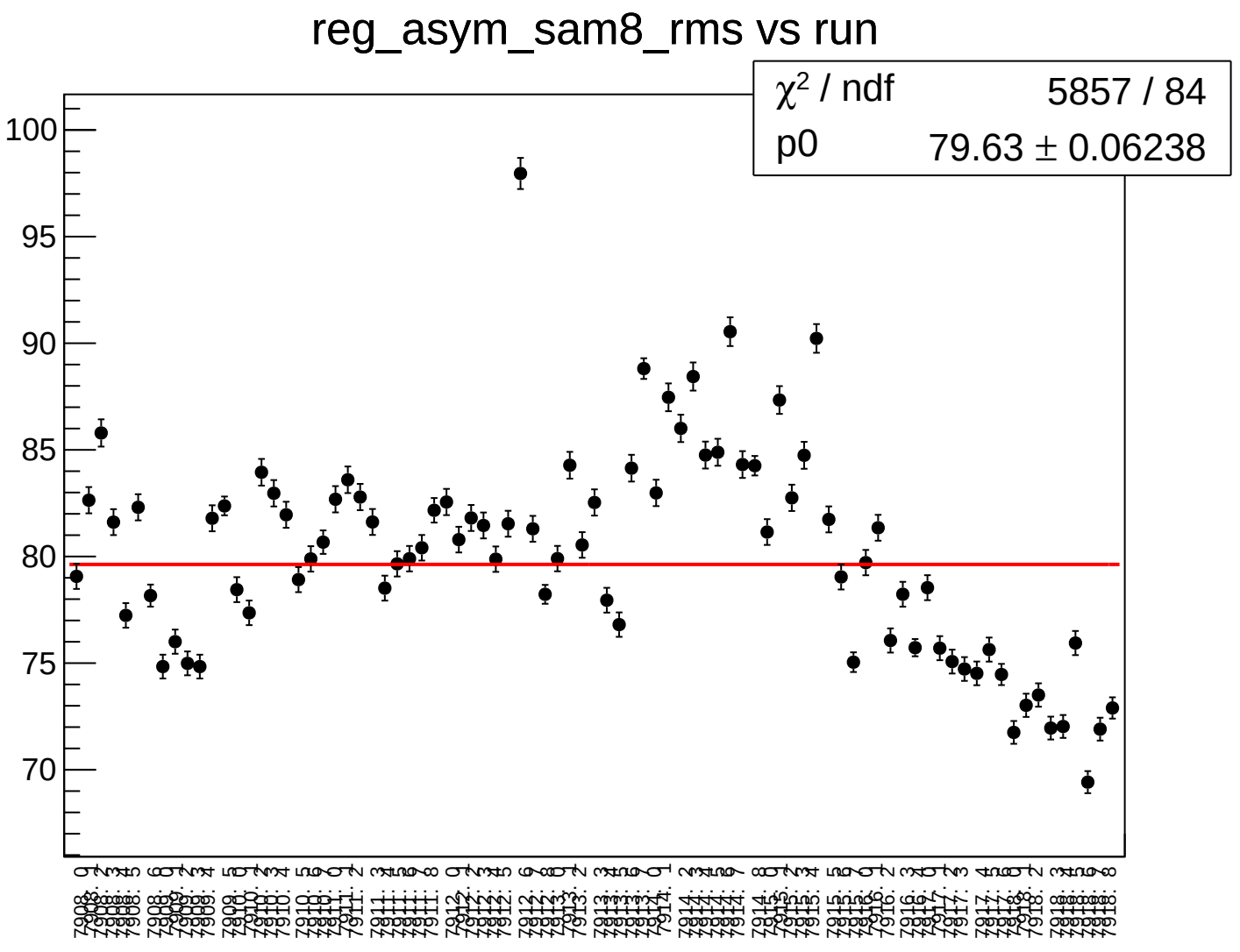

asym_sam7_correction_mean vs run
χ² / ndf 103.6 / 84
p0 −1111 ± 1399
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −17.93
Std Dev 89.39
3
2
1
0
−1
−2
−3

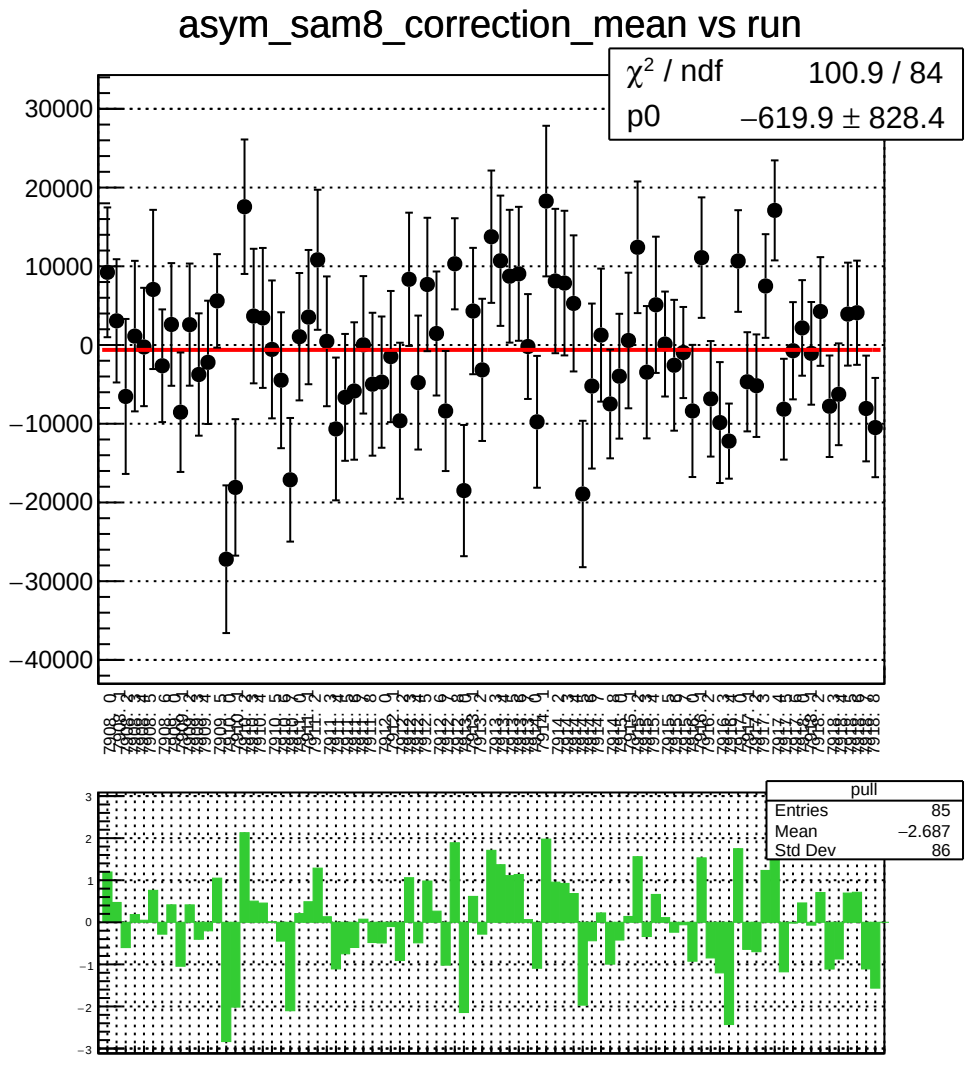

pull1D
Entries 85
Mean 0.00729
Std Dev 1.104
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

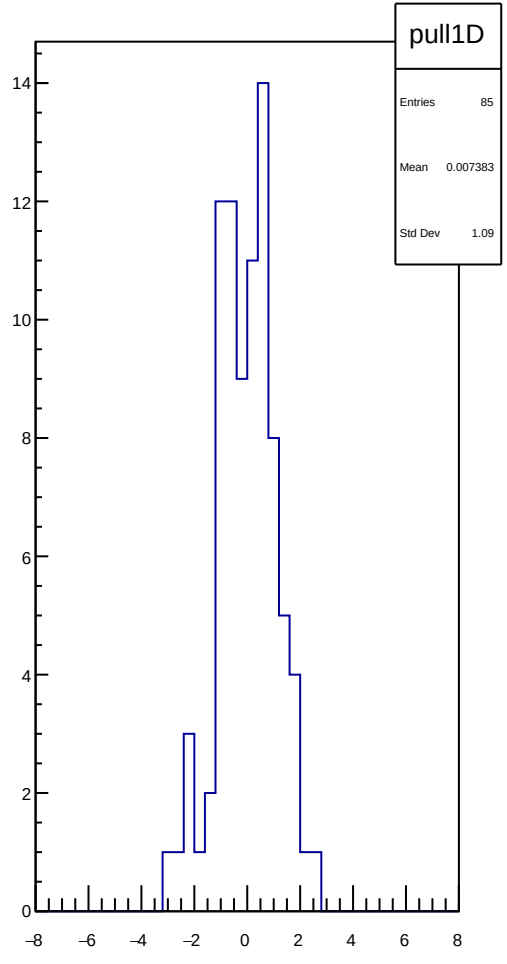

asym_sam7_correction_rms vs run
χ² / ndf 2.174e+04 / 84
p0 1257 ± 0.9893
1700
1600
1500
1400
1300
1200
1100
1000

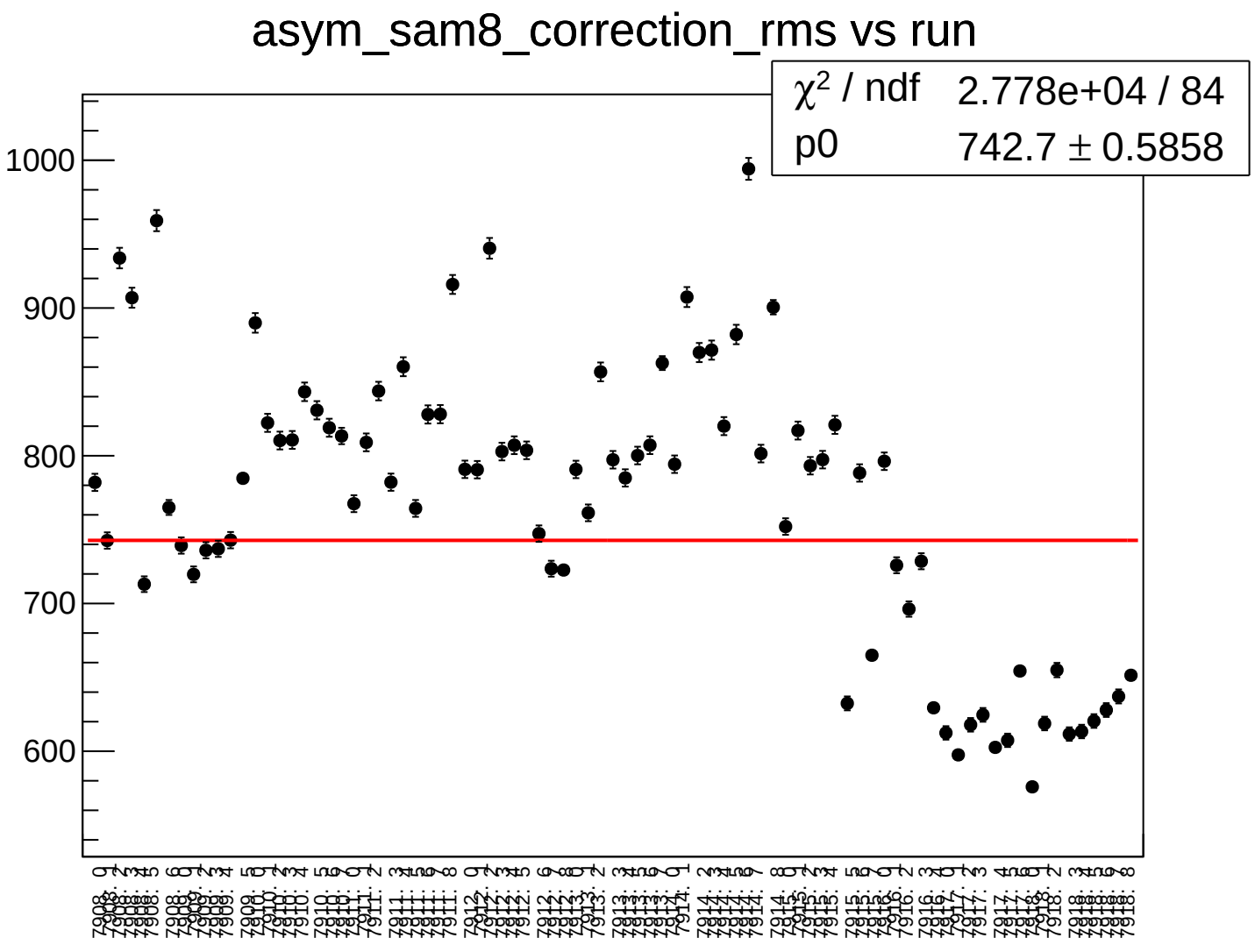

reg_asym_sam8_mean vs run
χ² / ndf 91.92 / 84
p0 −19.74 ± 88.22
pull
Entries 85
Mean 65.31
Std Dev 85.68

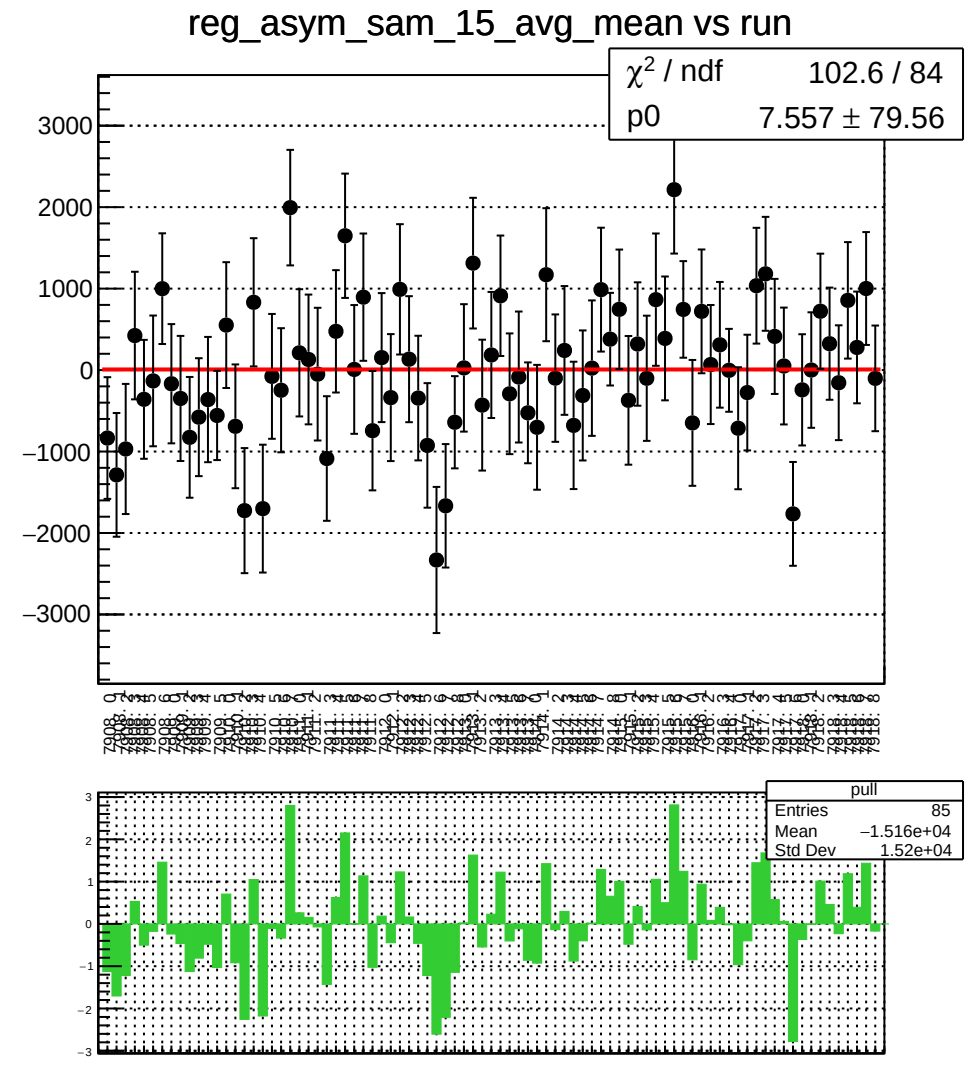

pull1D
Entries 85
Mean 0.01065
Std Dev 1.04

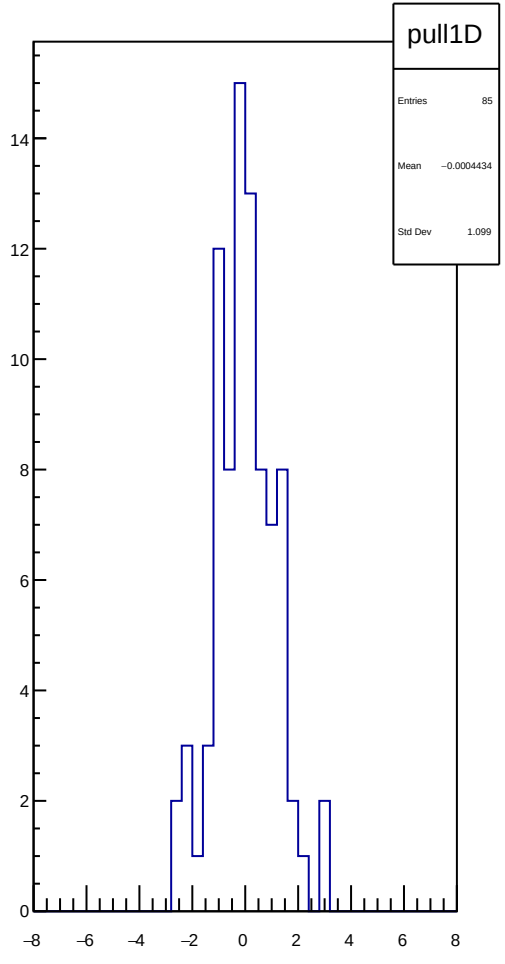

reg_asym_sam8_rms vs run
χ^2 / ndf 5857 / 84
p0 79.63 ± 0.06238
100
95
90
85
80
75
70

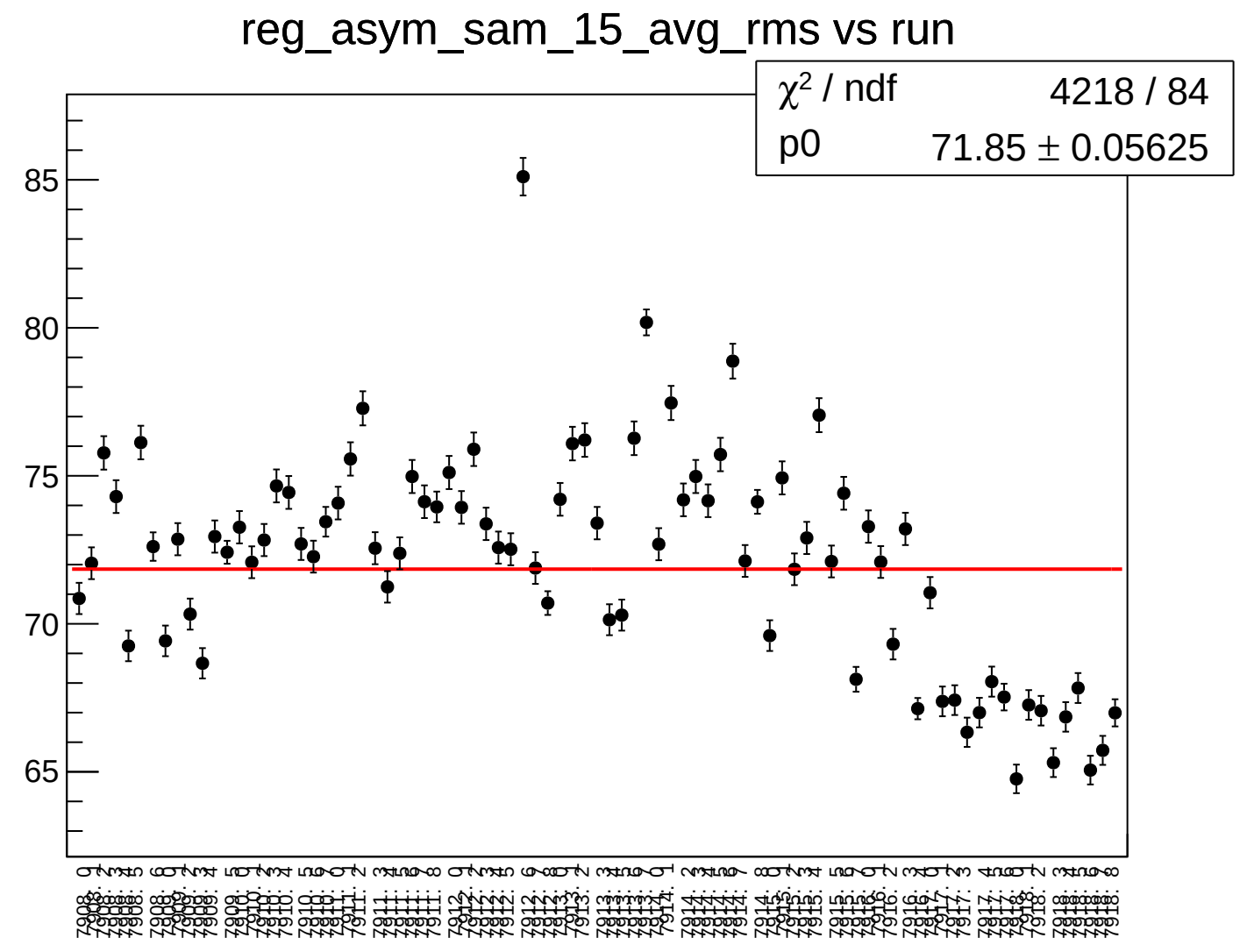

asym_sam8_correction_mean vs run
χ² / ndf 100.9 / 84
p0 −619.9 ± 828.4
pull
Entries 85
Mean −2.687
Std Dev 86

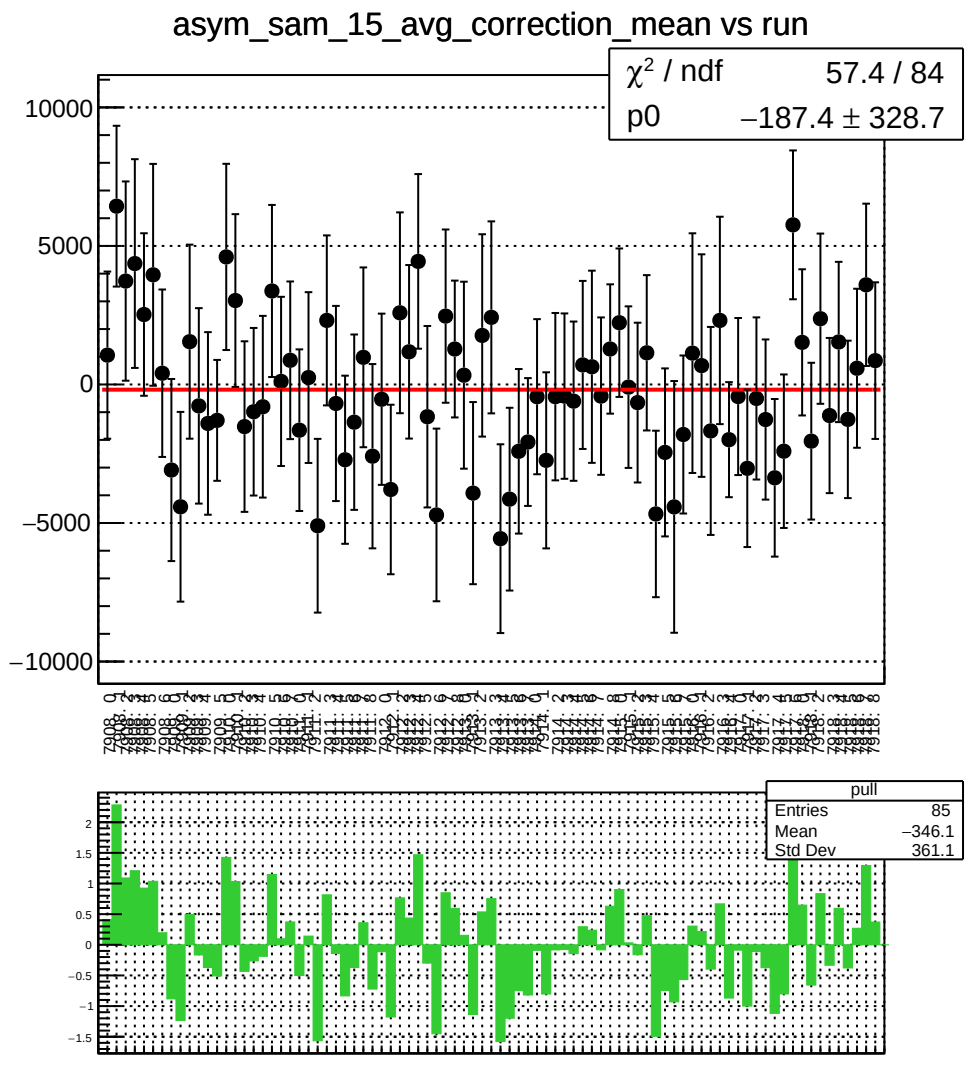

pull1D
Entries 85
Mean 0.007383
Std Dev 1.09

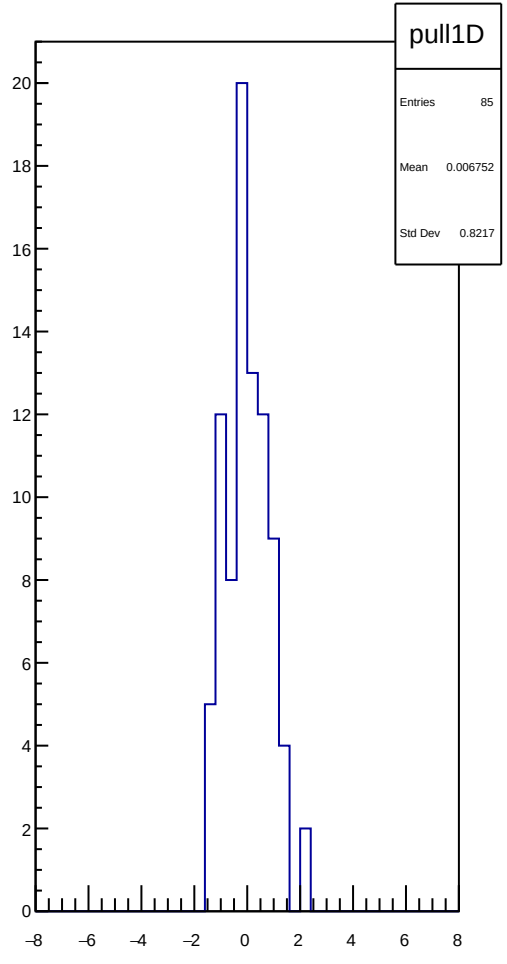

asym_sam8_correction_rms vs run
χ² / ndf 2.778e+04 / 84
p0 742.7 ± 0.5858
1000
900
800
700
600

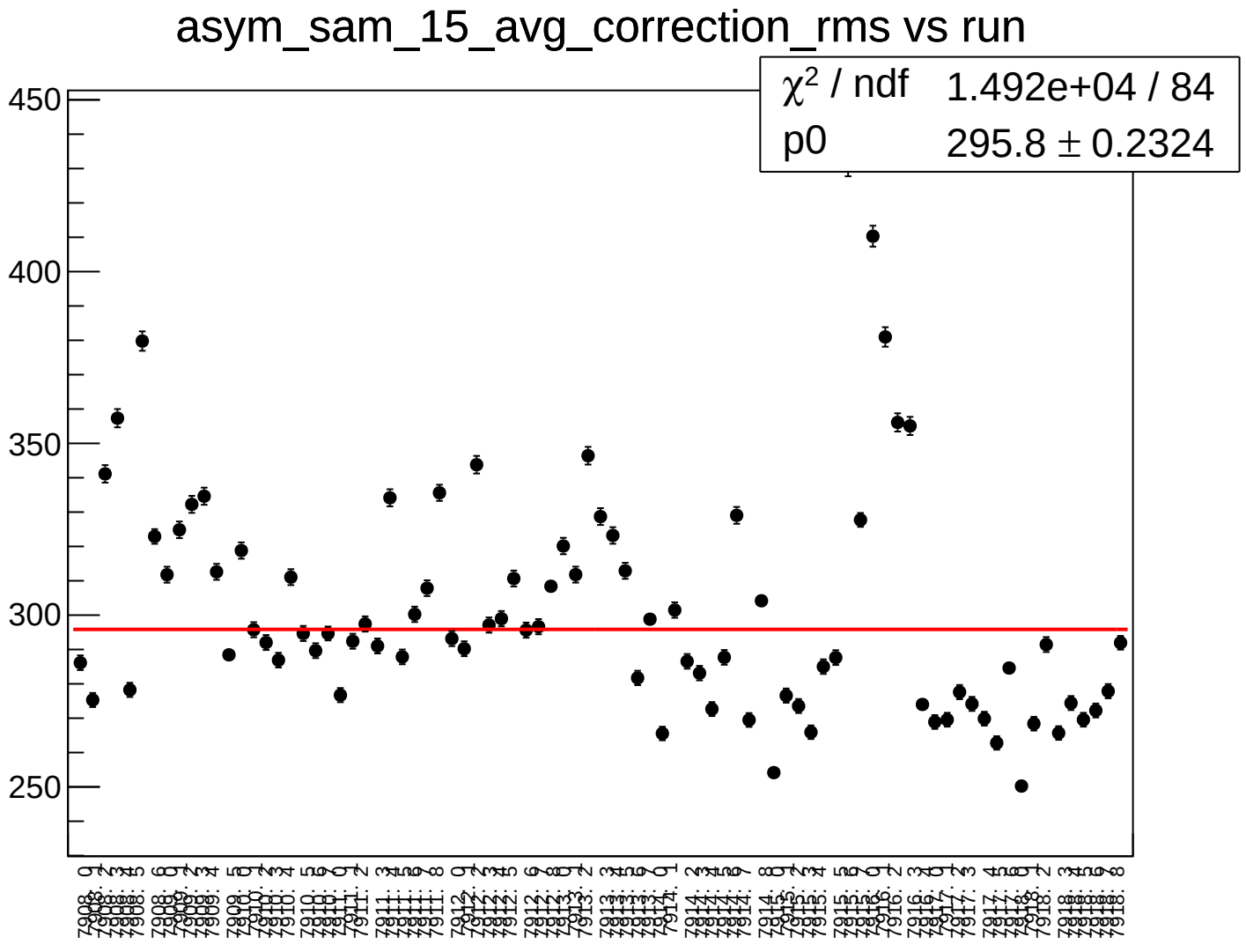

reg_asym_sam_15_avg_mean vs run
χ² / ndf 102.6 / 84
p0 7.557 ± 79.56
pull
Entries 85
Mean −1.516e+04
Std Dev 1.52e+04

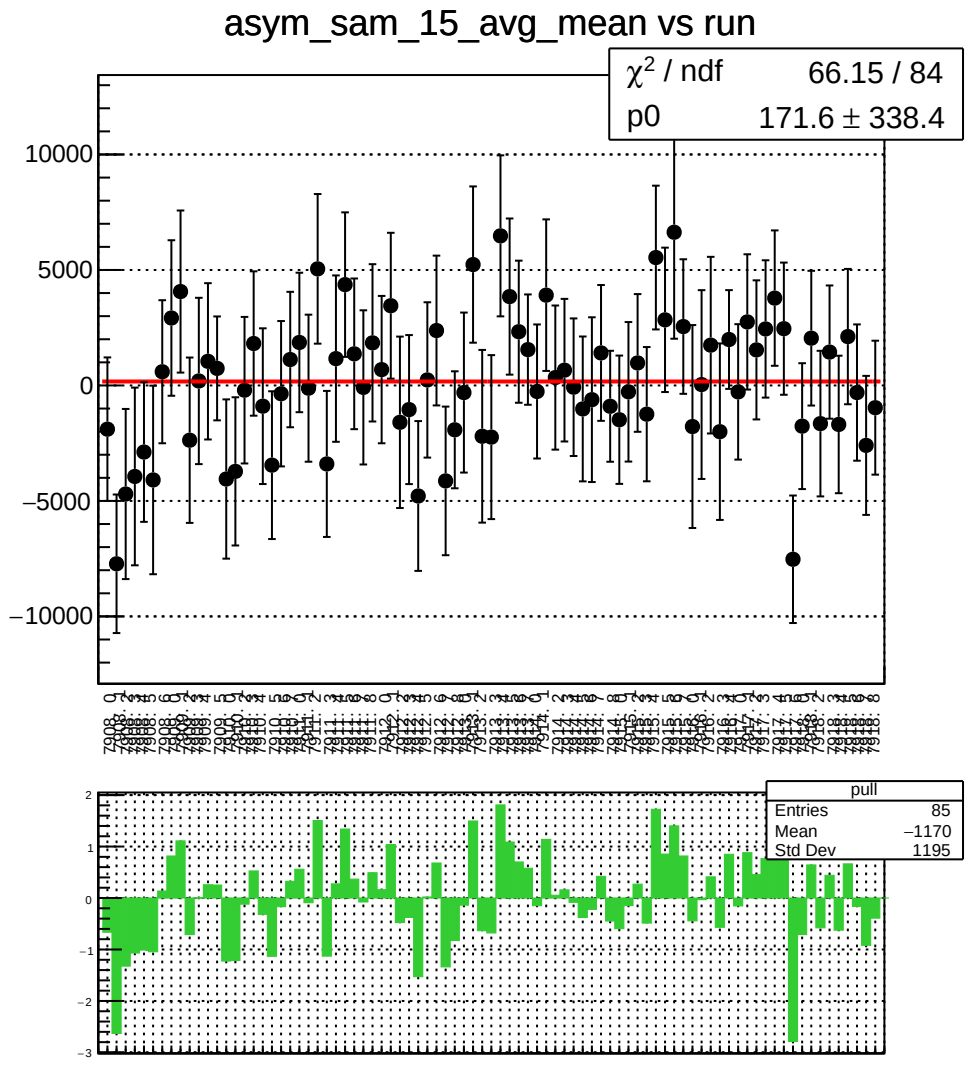

pull1D
Entries 85
Mean −0.0004434
Std Dev 1.099

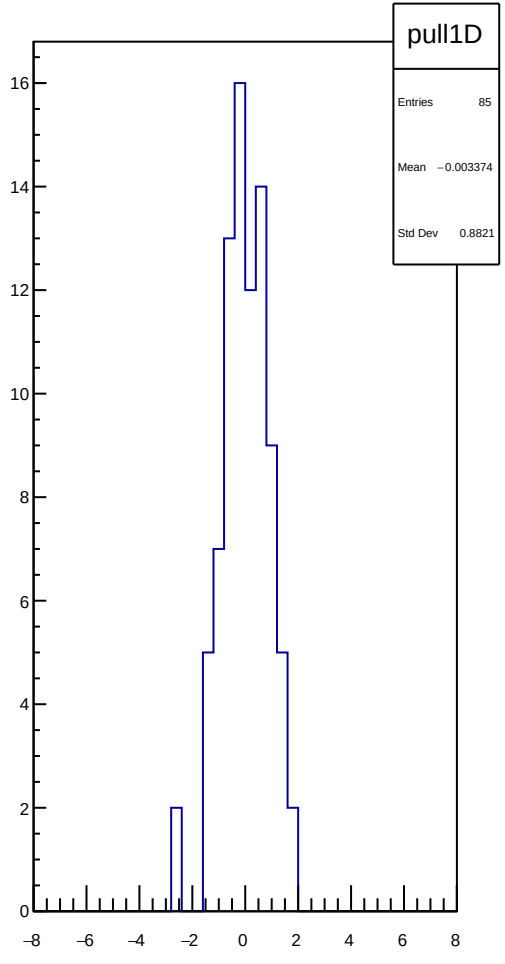

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 4218 / 84
p0 71.85 ± 0.05625
85
80
75
70
65

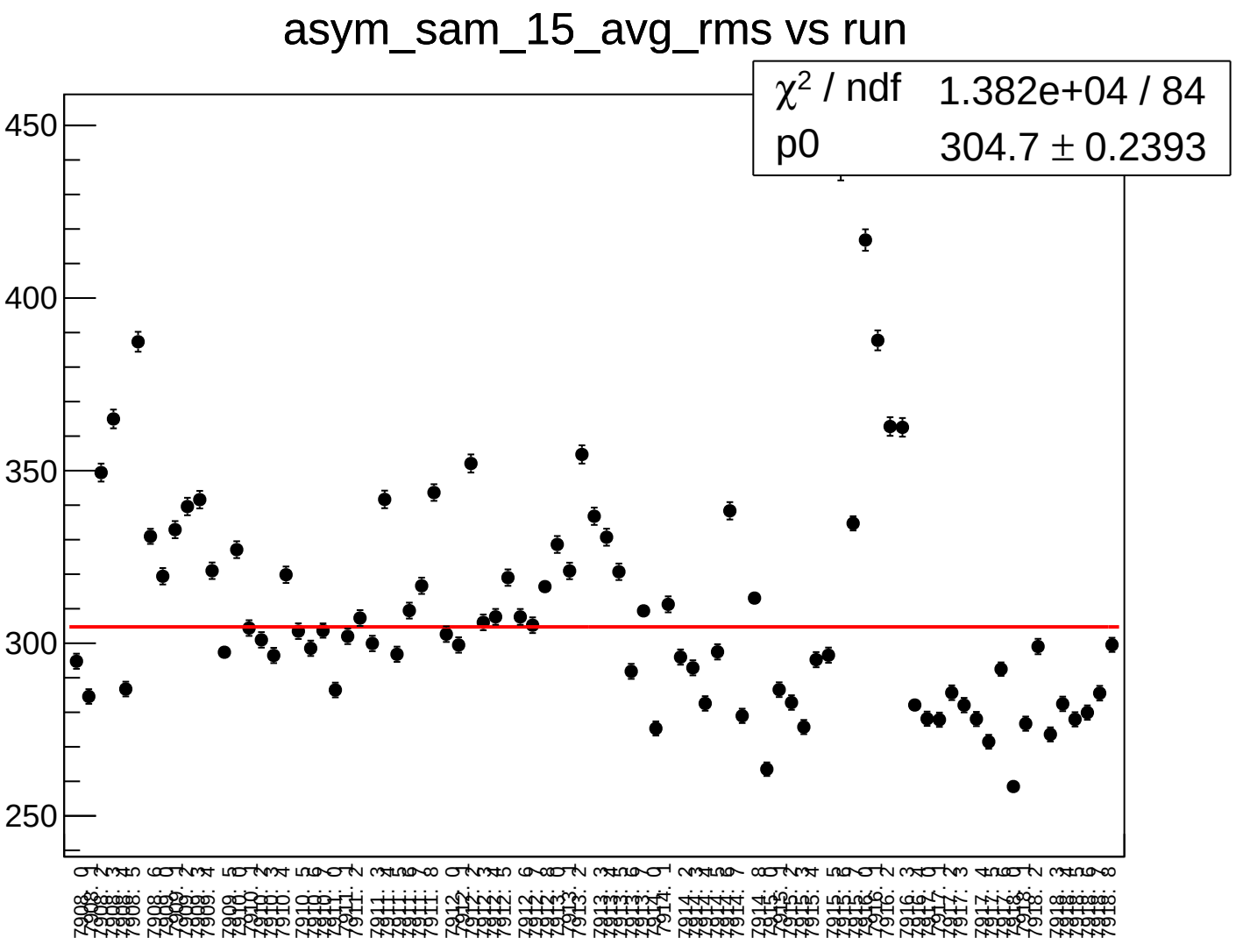

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.4 / 84
p0 −187.4 ± 328.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −346.1
Std Dev 361.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

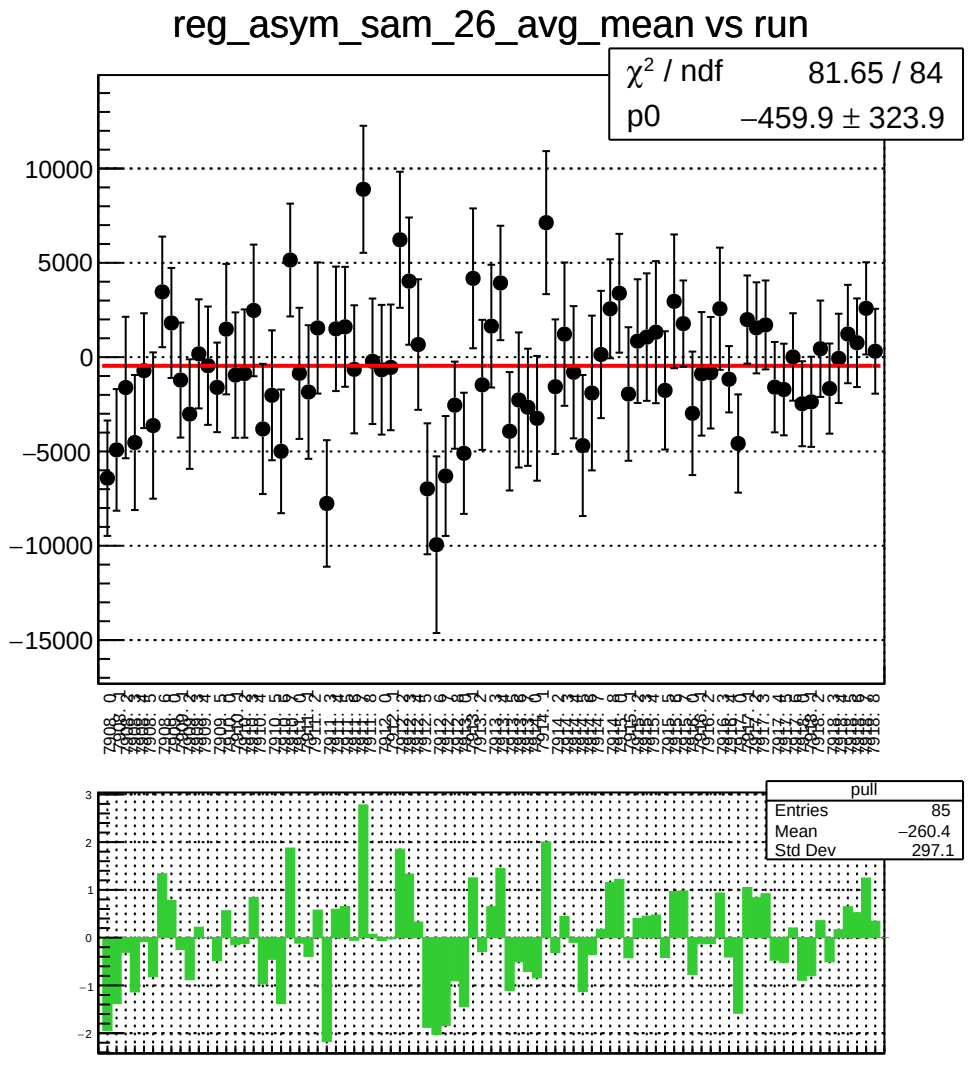

pull1D
Entries 85
Mean 0.006752
Std Dev 0.8217
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

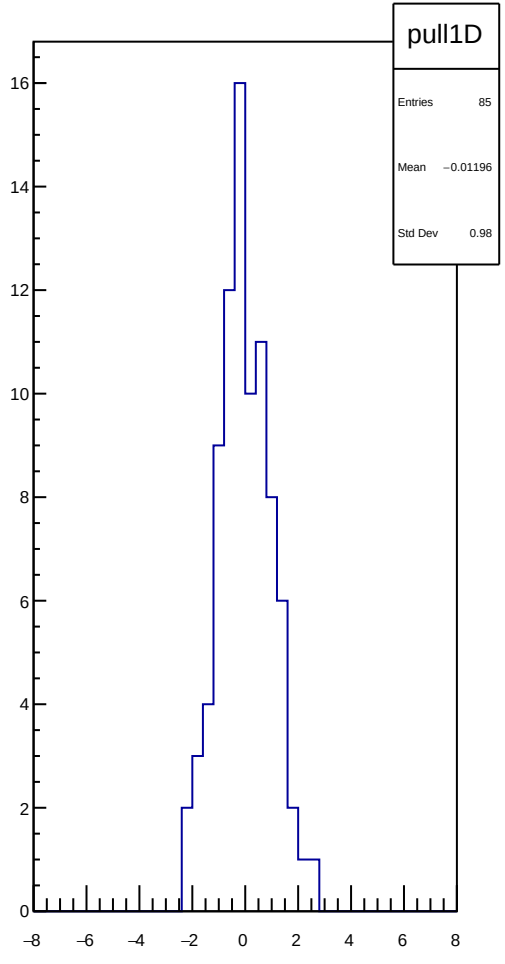

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.492e+04 / 84
p0 295.8 ± 0.2324
450
400
350
300
250

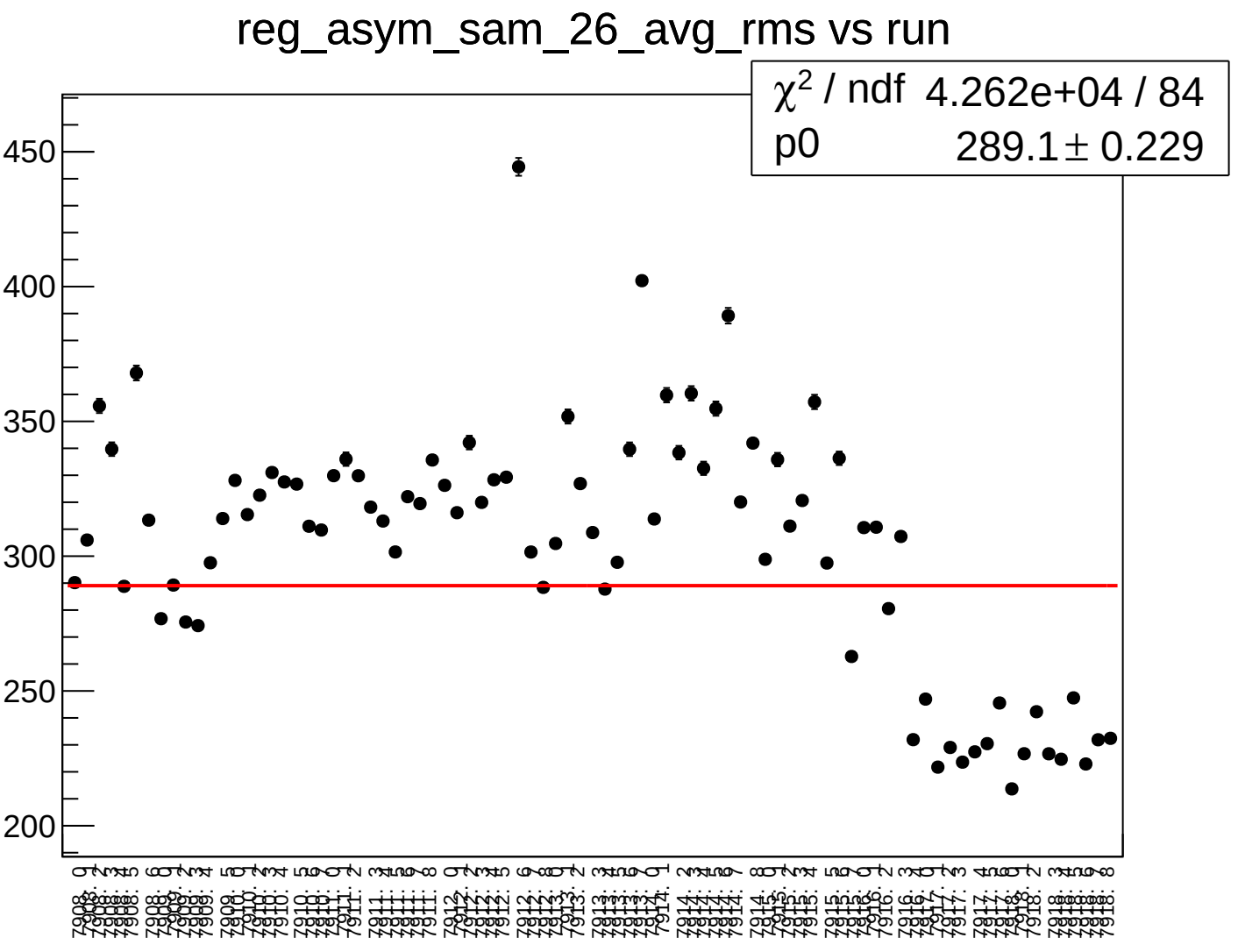

asym_sam_15_avg_mean vs run
χ² / ndf 66.15 / 84
p0 171.6 ± 338.4
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1170
Std Dev 1195
2
1
0
−1
−2
−3

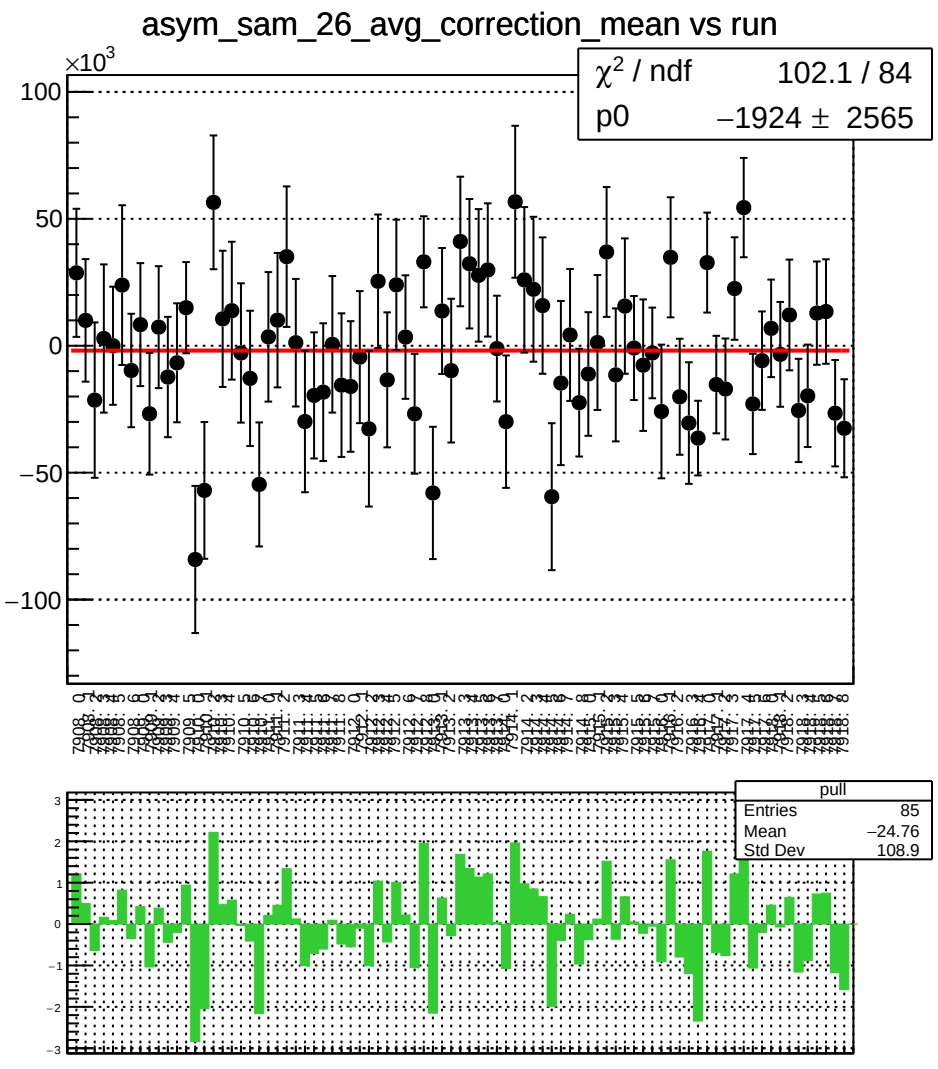

pull1D
Entries 85
Mean −0.003374
Std Dev 0.8821
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

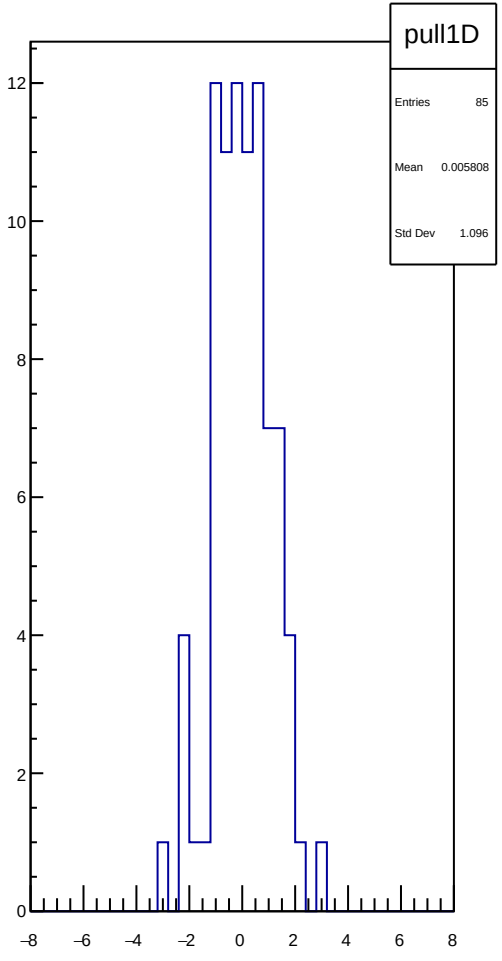

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.382e+04 / 84
p0 304.7 ± 0.2393
450
400
350
300
250

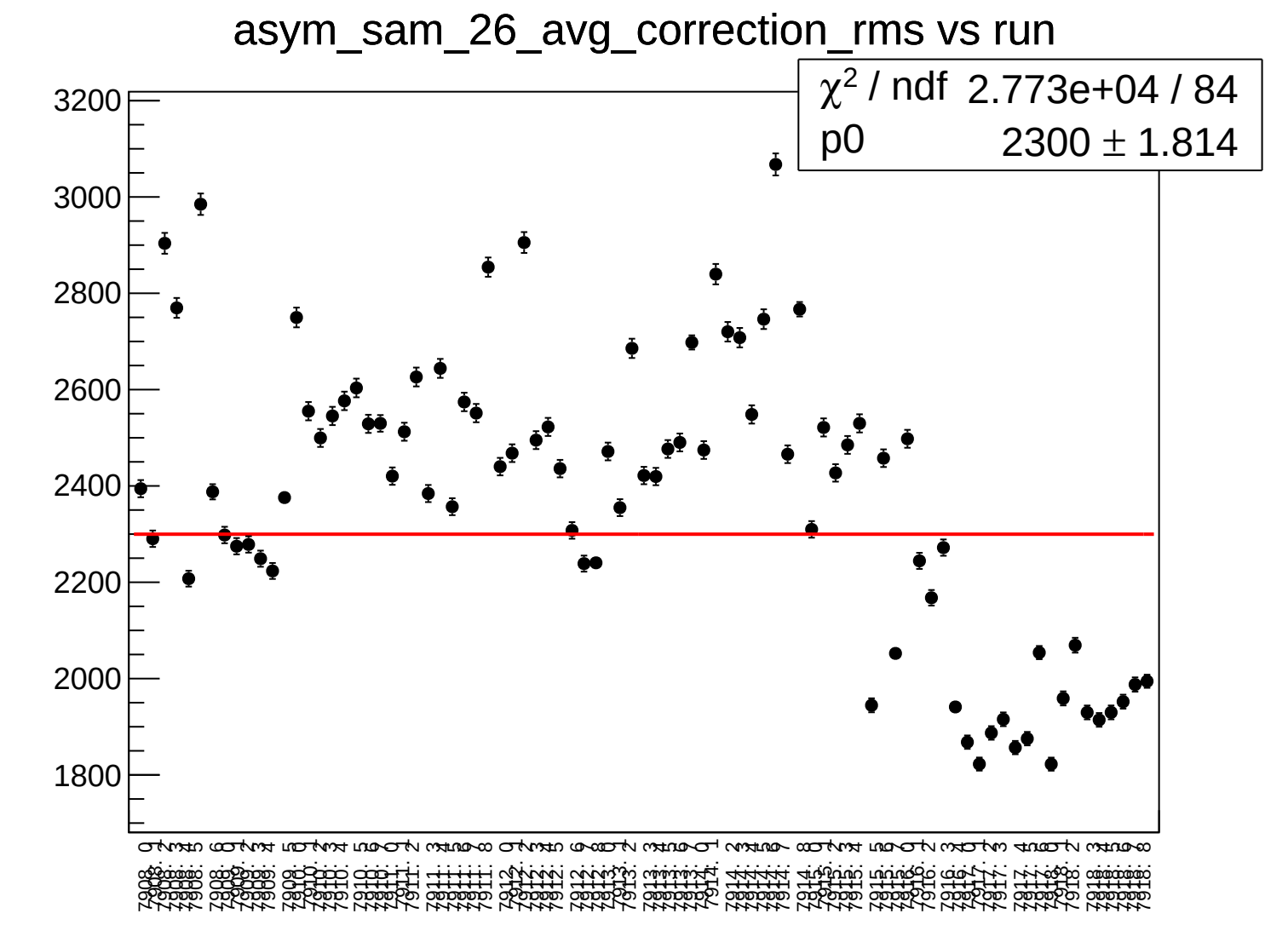

reg_asym_sam_26_avg_mean vs run
χ² / ndf 81.65 / 84
p0 −459.9 ± 323.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −260.4
Std Dev 297.1
3
2
1
0
−1
−2

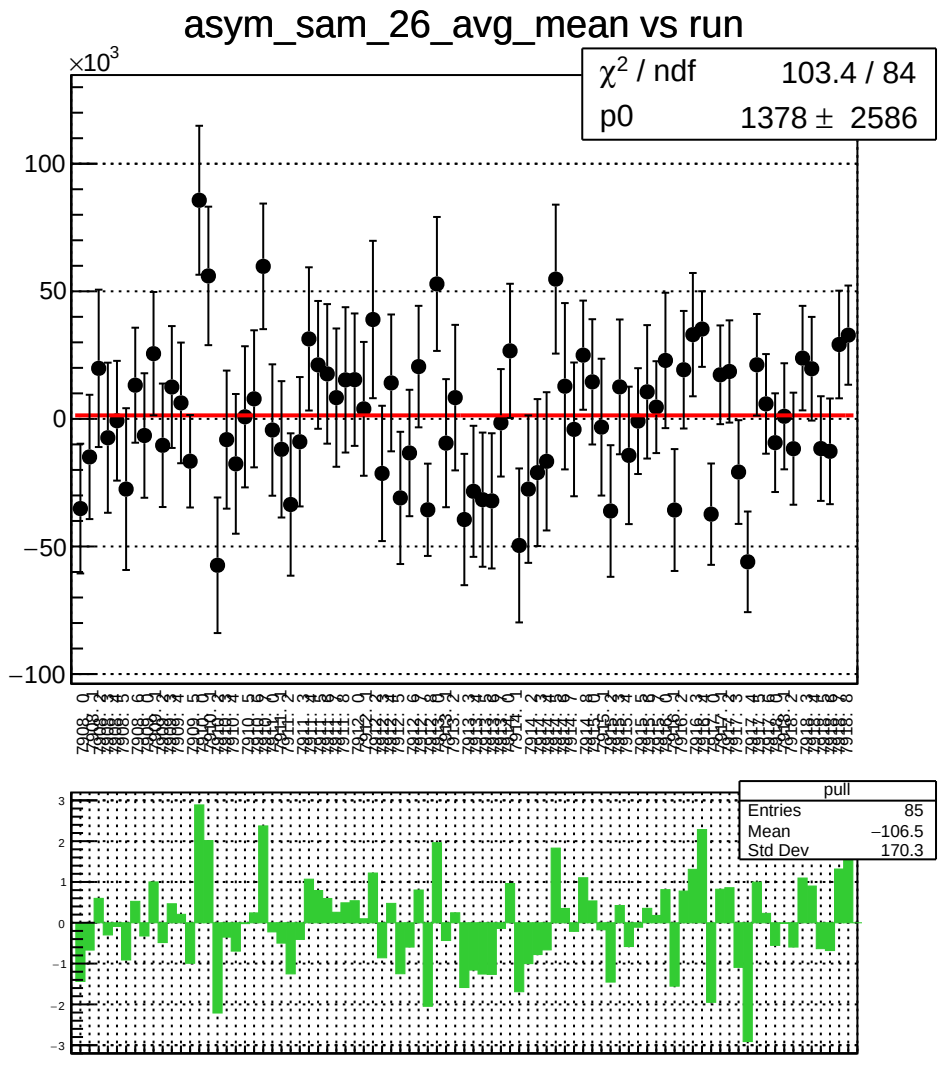

pull1D
Entries 85
Mean −0.01196
Std Dev 0.98
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

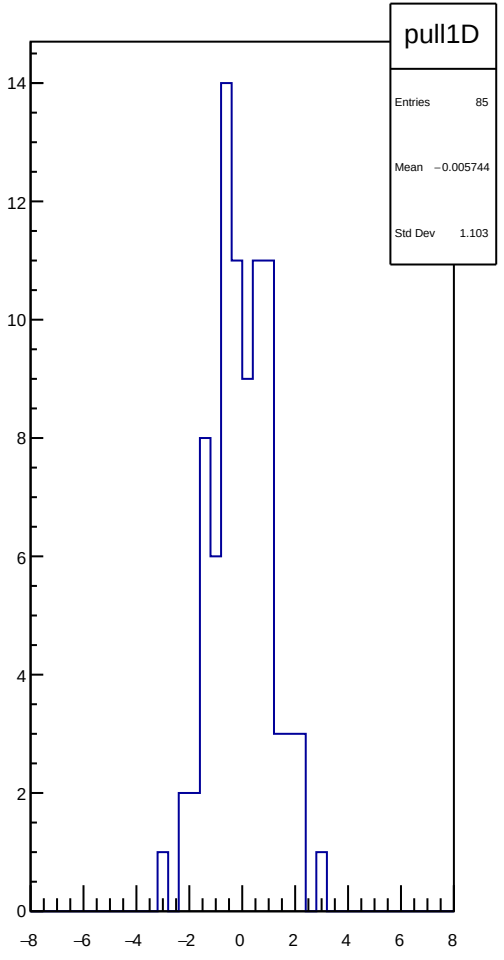

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 4.262e+04 / 84
p0 289.1 ± 0.229
450
400
350
300
250
200

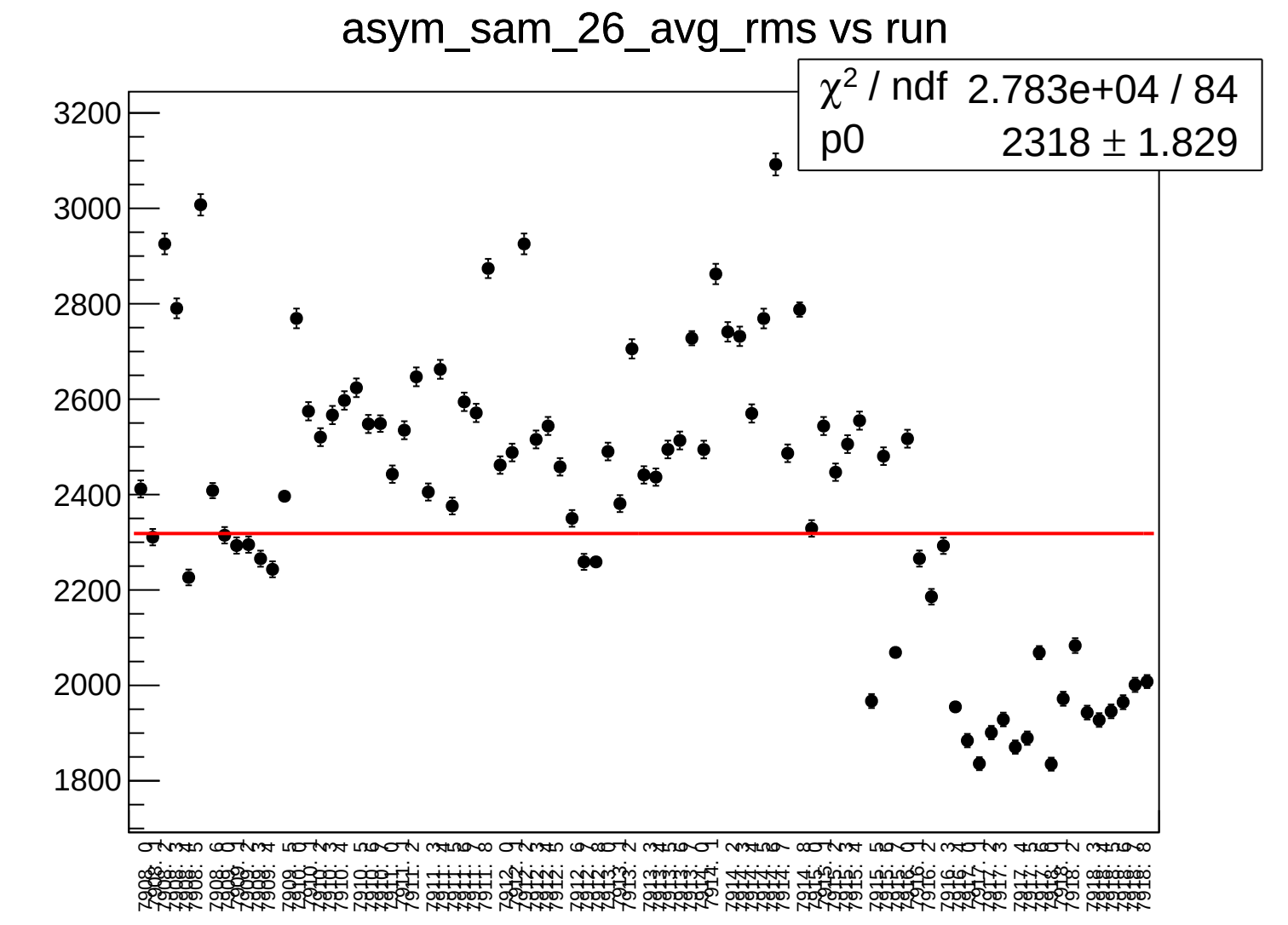

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 102.1 / 84
p0 −1924 ± 2565
100
50
0
−50
−100
pull
Entries 85
Mean −24.76
Std Dev 108.9
3
2
1
0
−1
−2
−3

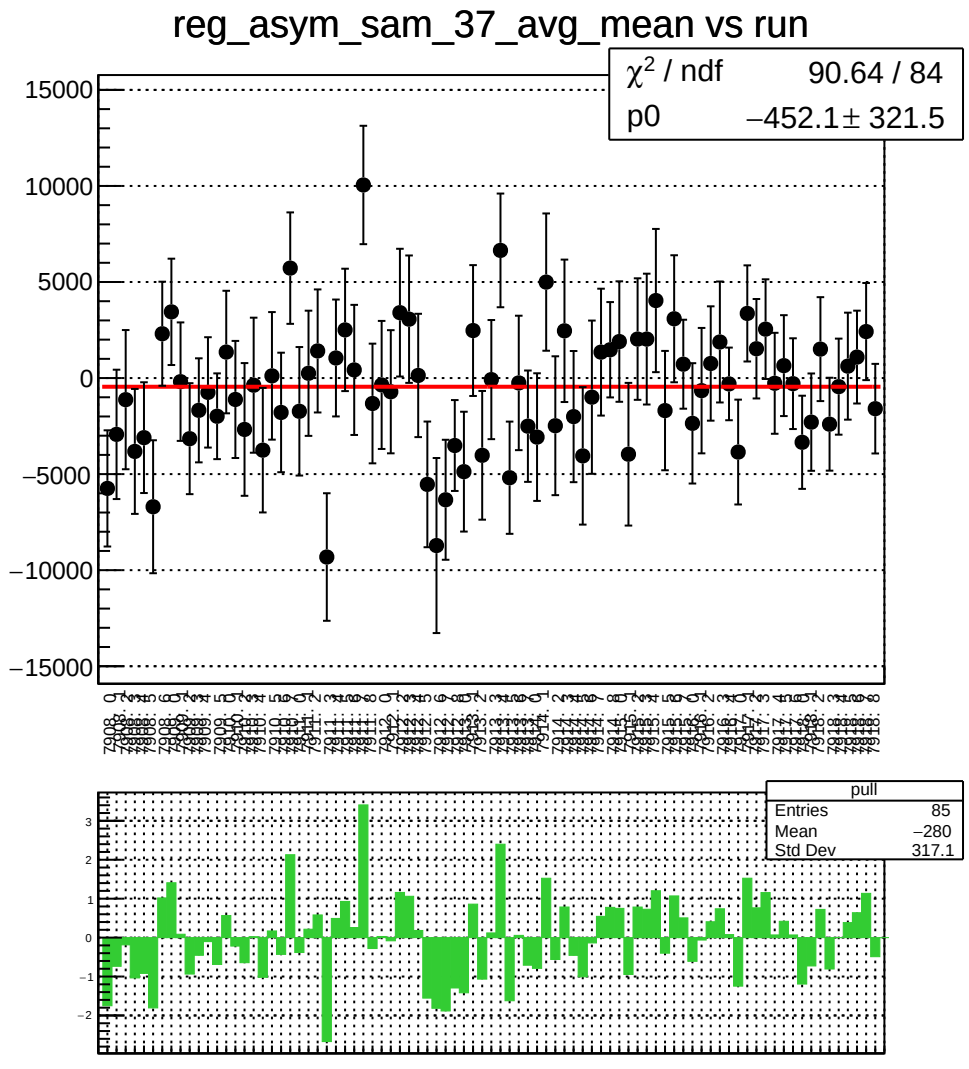

pull1D
Entries 85
Mean 0.005808
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

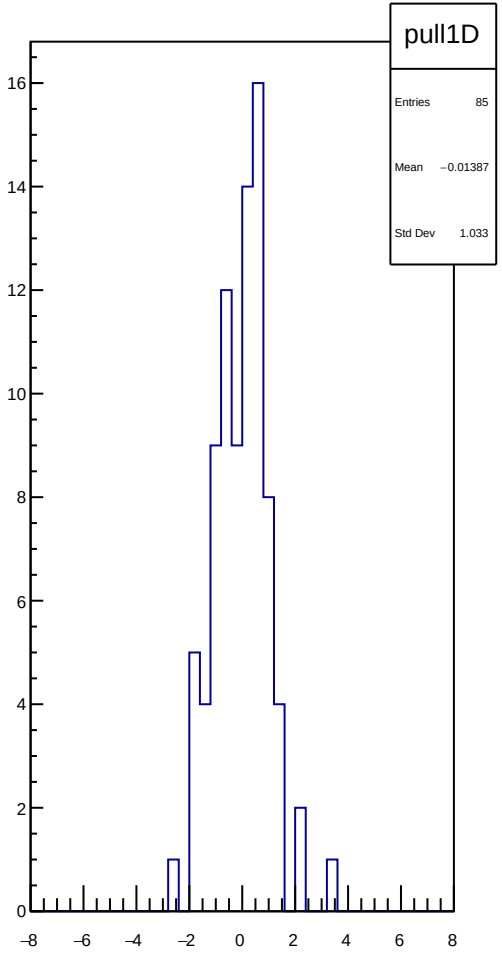

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2.773e+04 / 84
p0 2300 ± 1.814
3200
3000
2800
2600
2400
2200
2000
1800

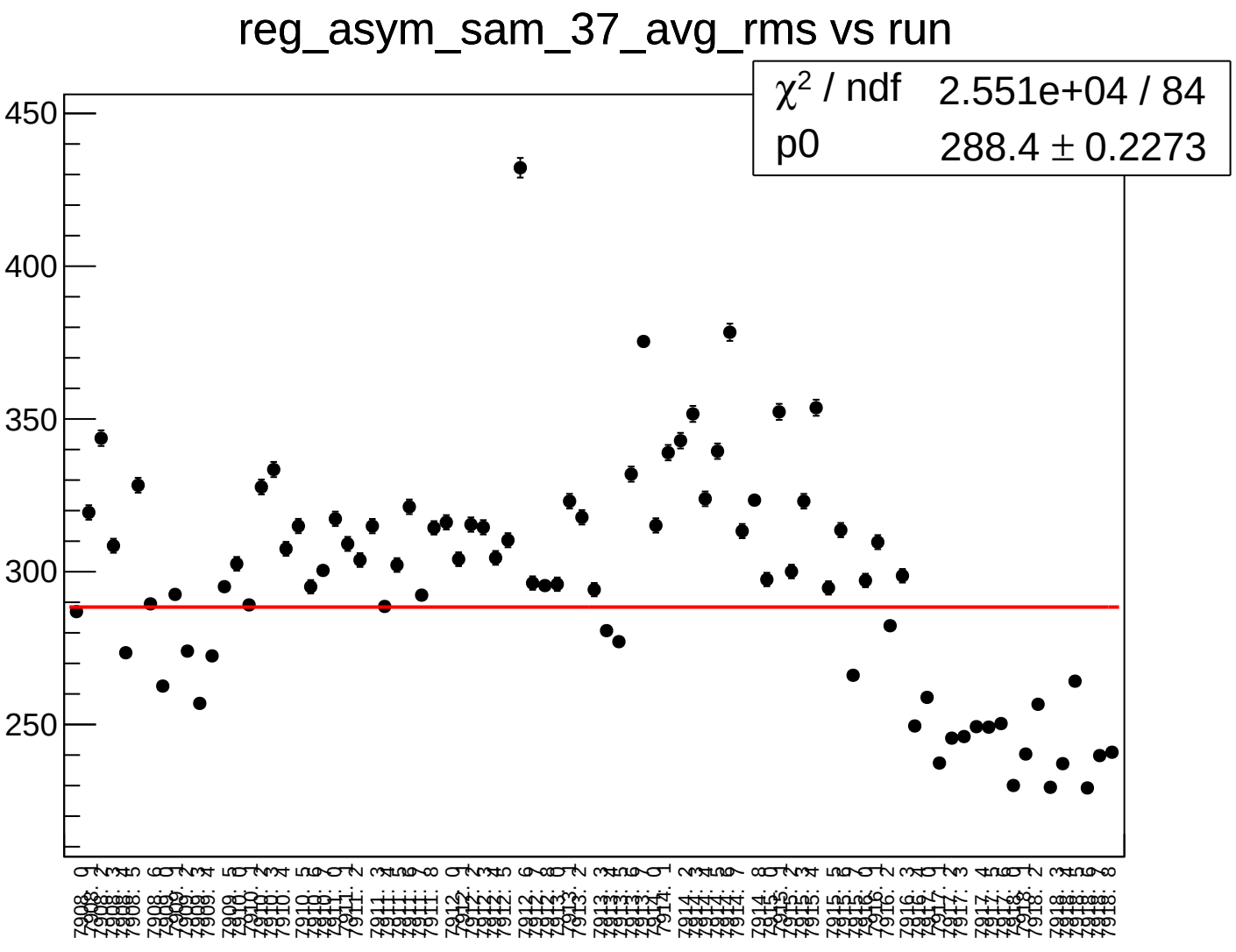

asym_sam_26_avg_mean vs run
×10^3
χ^2 / ndf 103.4 / 84
p0 1378 ± 2586
100
50
0
−50
−100
pull
Entries 85
Mean −106.5
Std Dev 170.3
3
2
1
0
−1
−2
−3

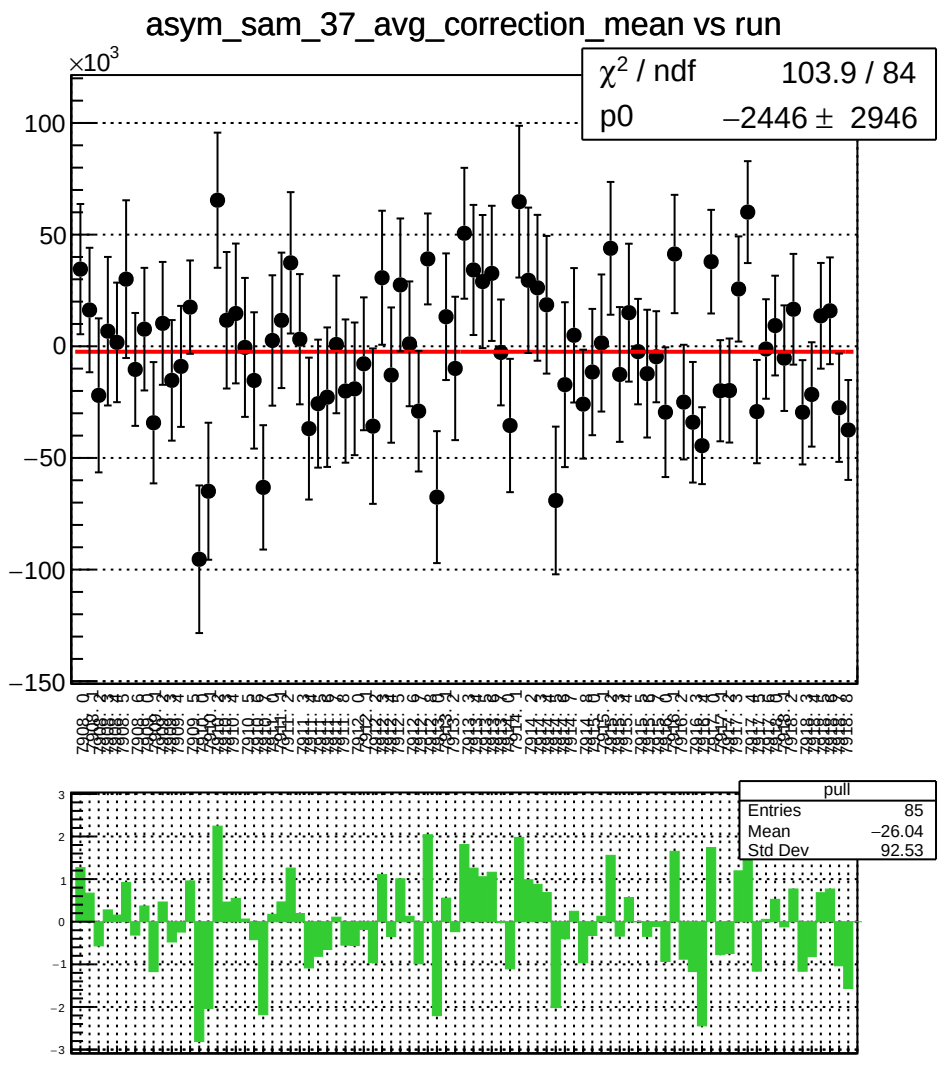

pull1D
Entries 85
Mean −0.005744
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

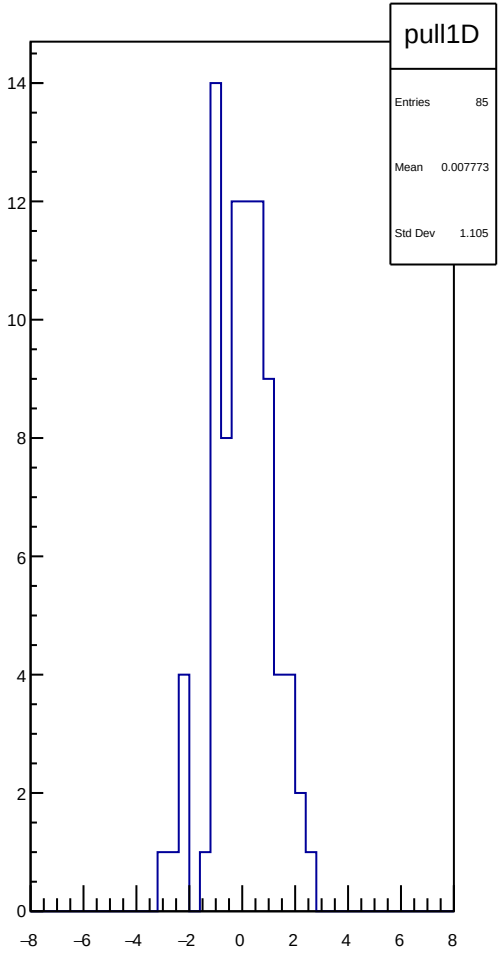

asym_sam_26_avg_rms vs run
χ² / ndf 2.783e+04 / 84
p0 2318 ± 1.829
3200
3000
2800
2600
2400
2200
2000
1800

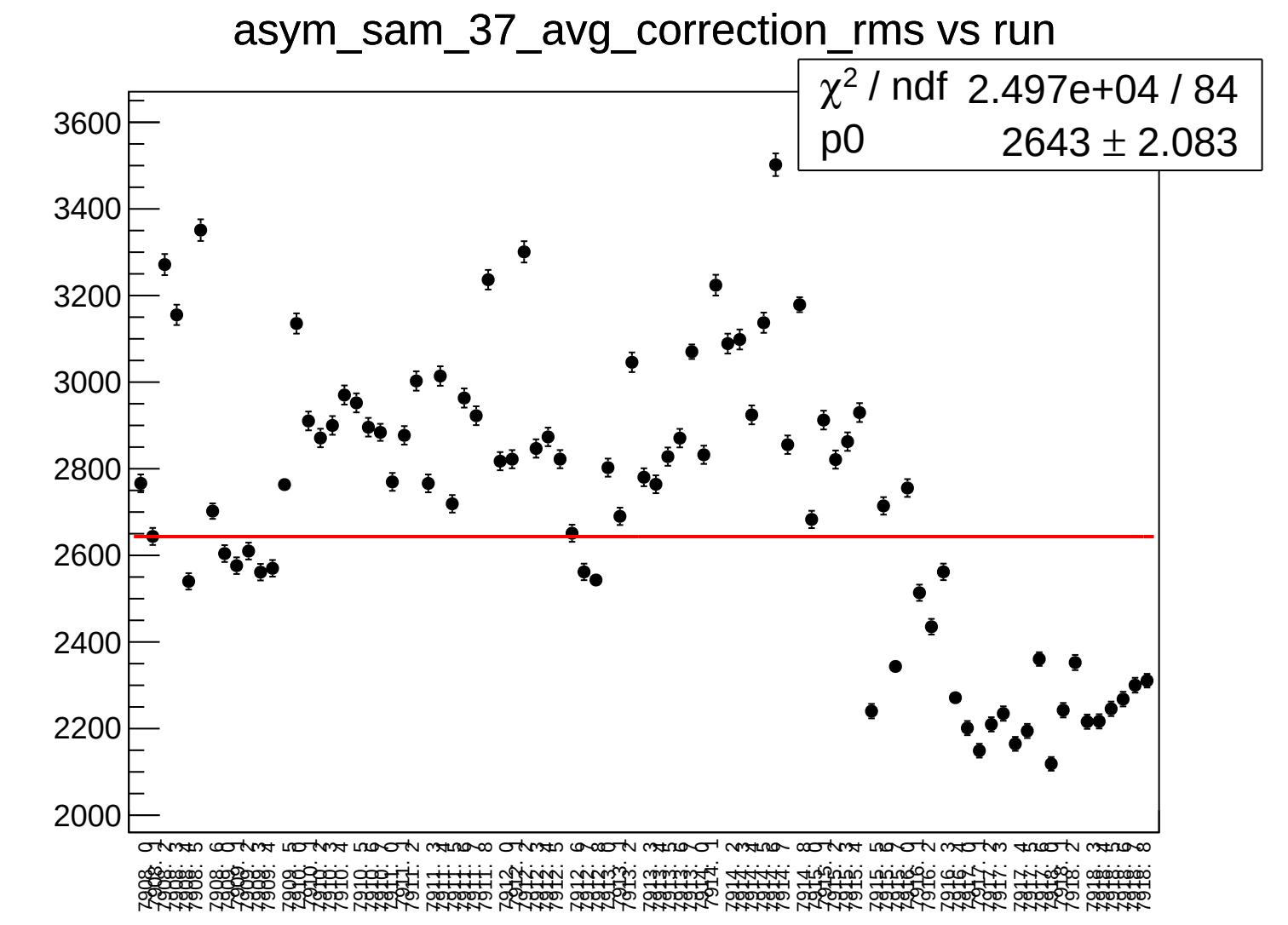

reg_asym_sam_37_avg_mean vs run
χ² / ndf 90.64 / 84
p0 −452.1± 321.5
pull
Entries 85
Mean −280
Std Dev 317.1

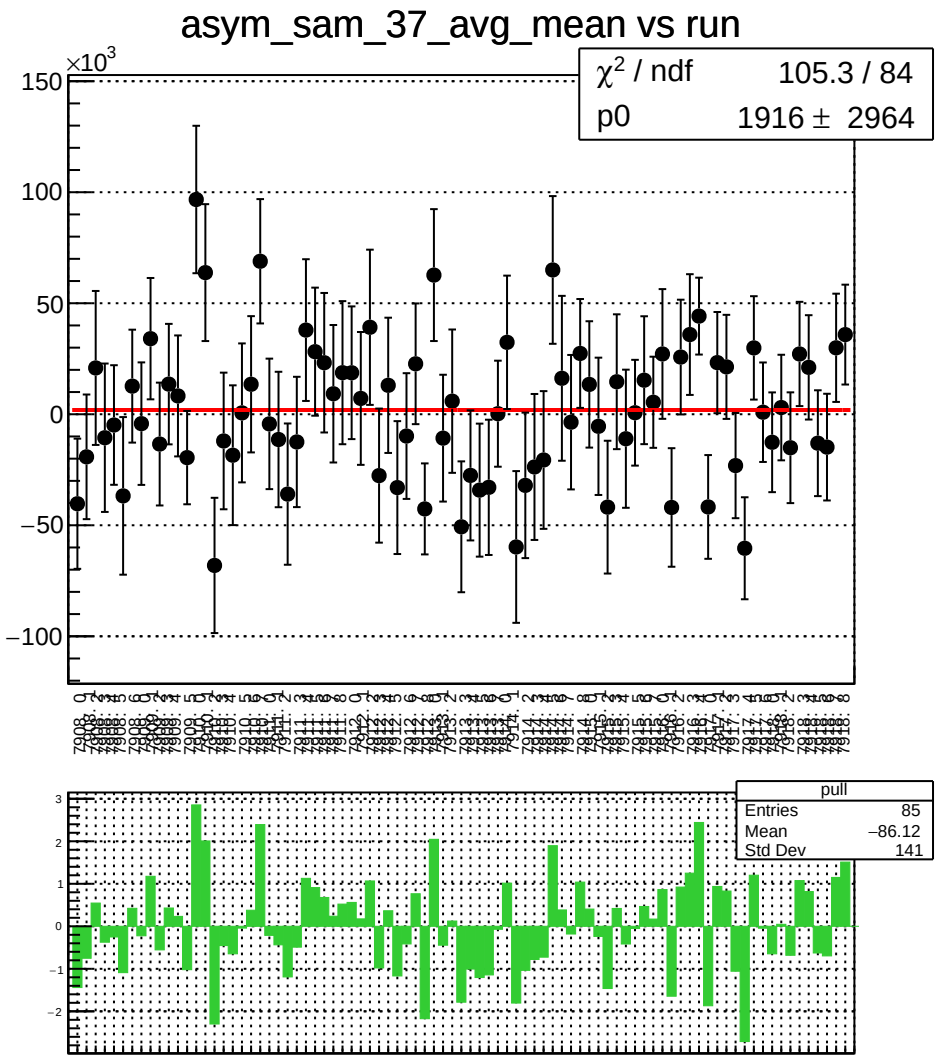

pull1D
Entries 85
Mean −0.01387
Std Dev 1.033

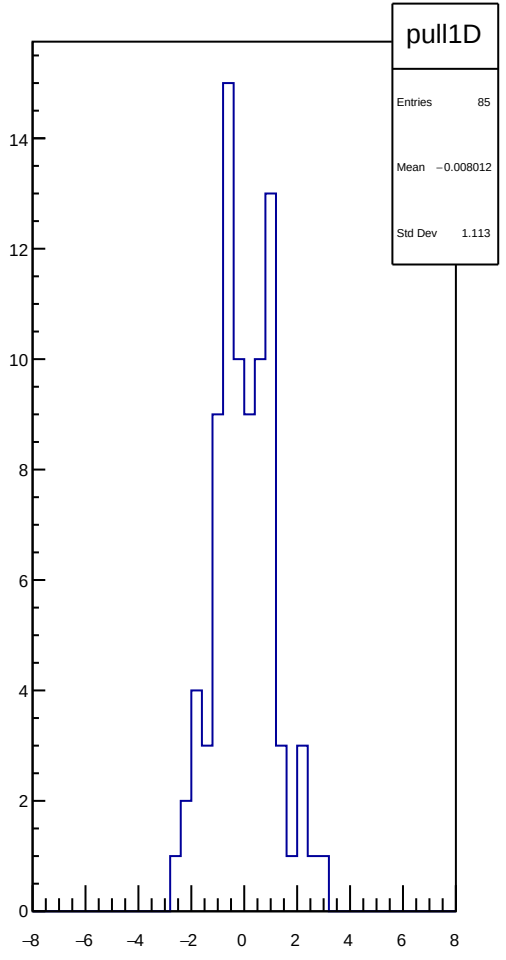

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.551e+04 / 84
p0 288.4 ± 0.2273
450
400
350
300
250

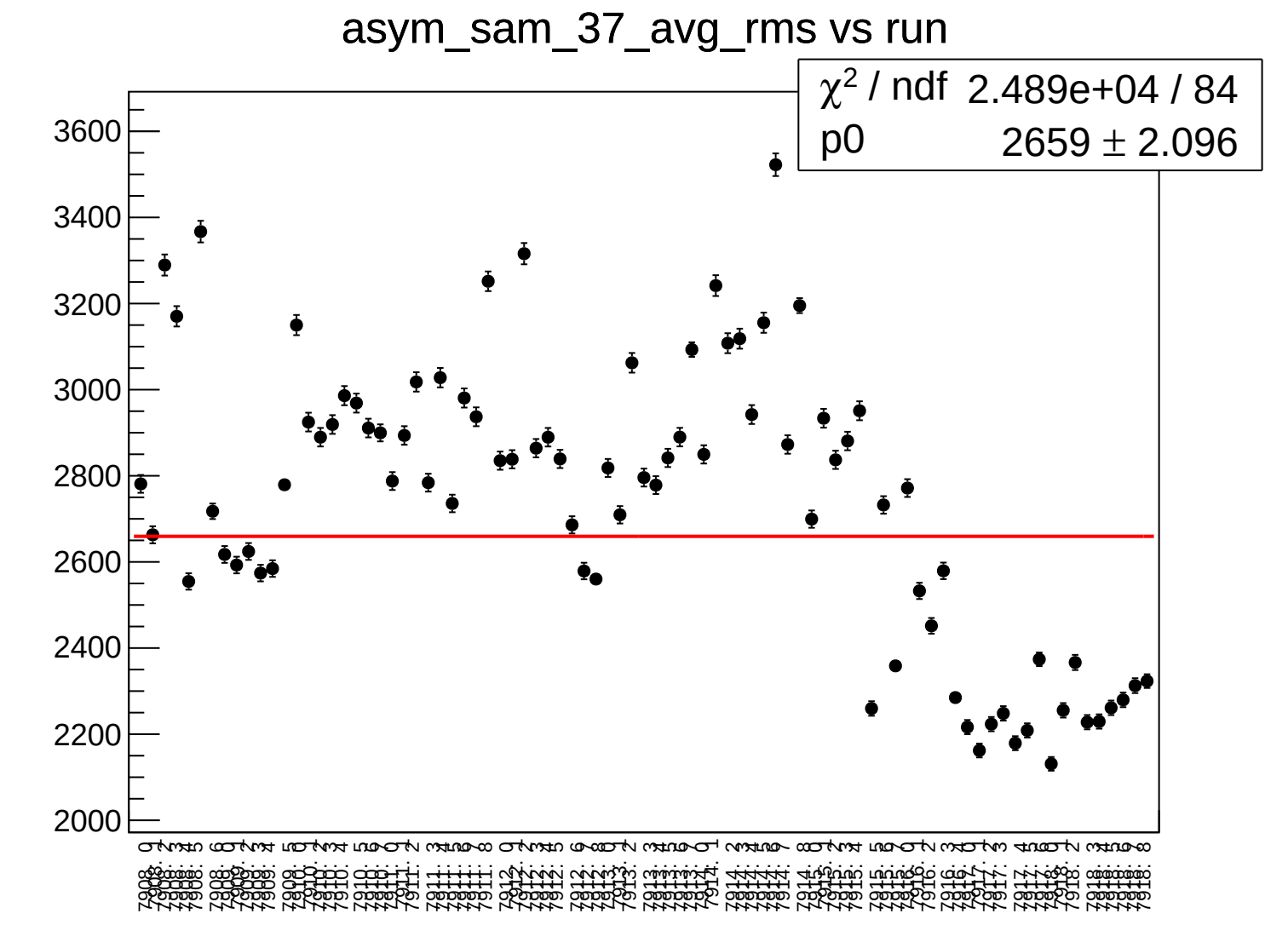

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 103.9 / 84
p0 −2446 ± 2946
100
50
0
−50
−100
−150
pull
Entries 85
Mean −26.04
Std Dev 92.53
3
2
1
0
−1
−2
−3

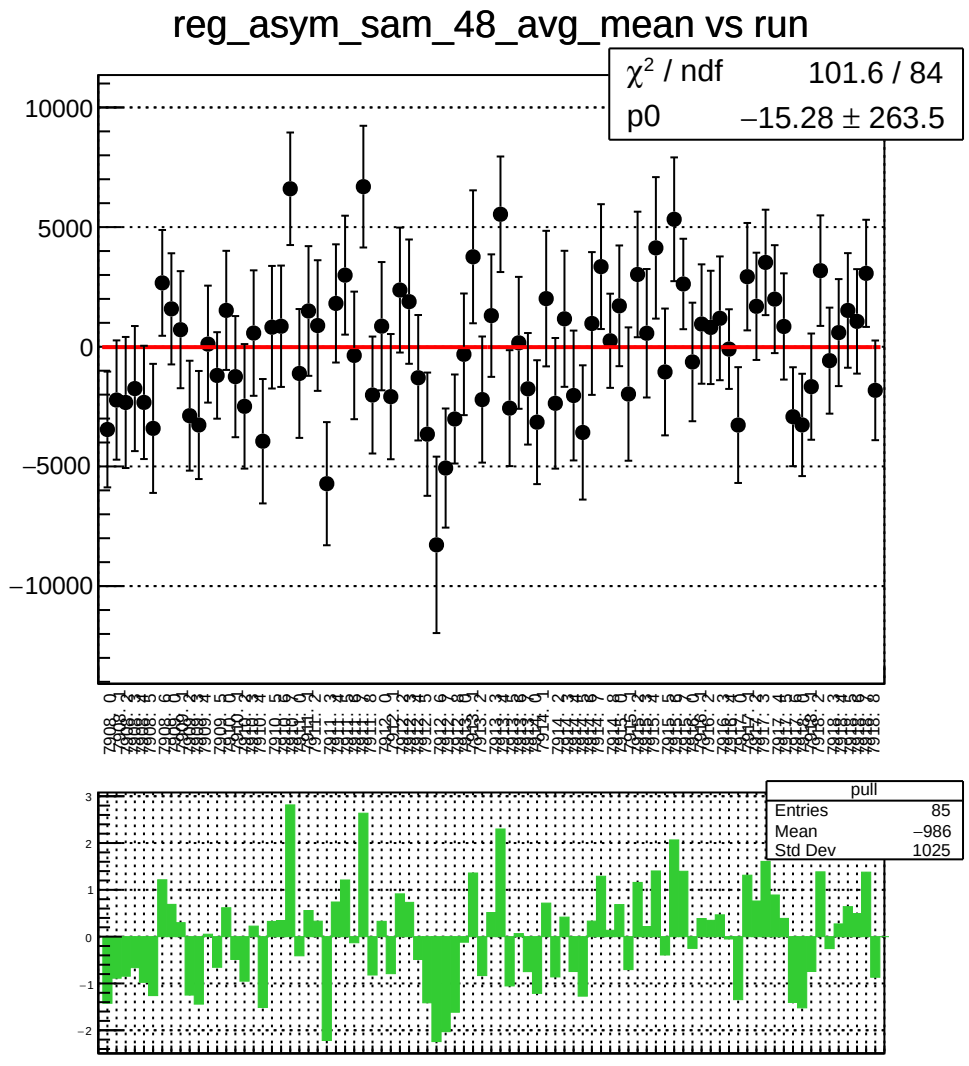

pull1D
Entries 85
Mean 0.007773
Std Dev 1.105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

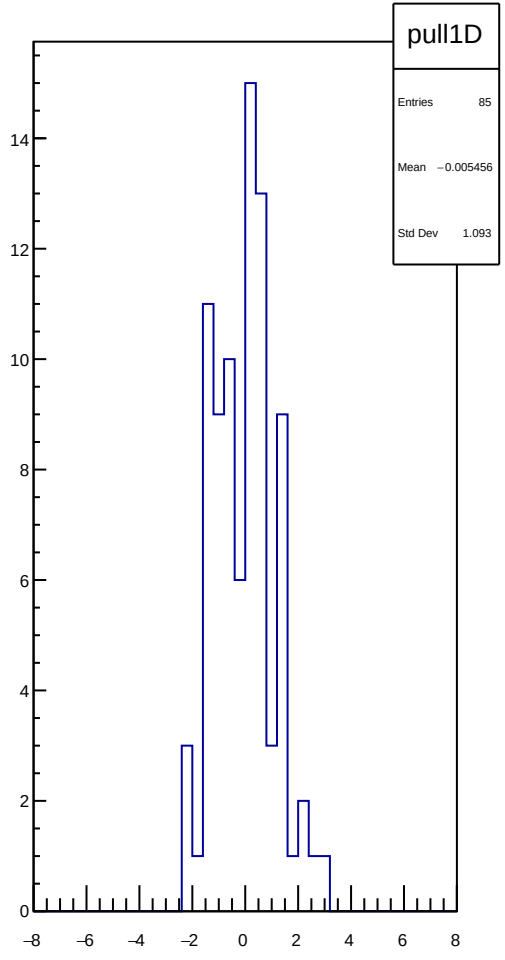

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2.497e+04 / 84
p0 2643 ± 2.083
3600
3400
3200
3000
2800
2600
2400
2200
2000

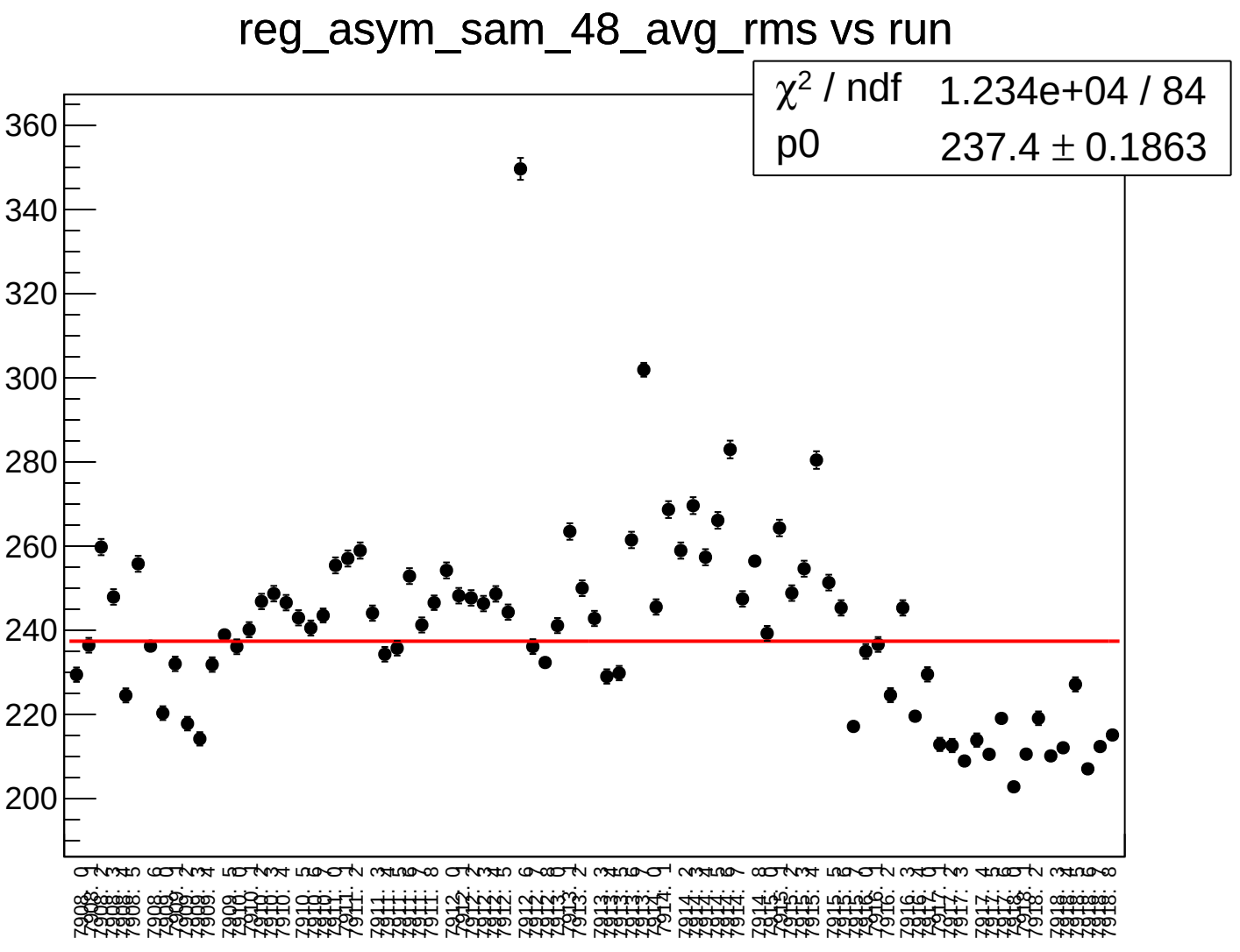

asym_sam_37_avg_mean vs run
χ² / ndf 105.3 / 84
p0 1916 ± 2964
×10³
150
100
50
0
−50
−100
pull
Entries 85
Mean −86.12
Std Dev 141
3
2
1
0
−1
−2

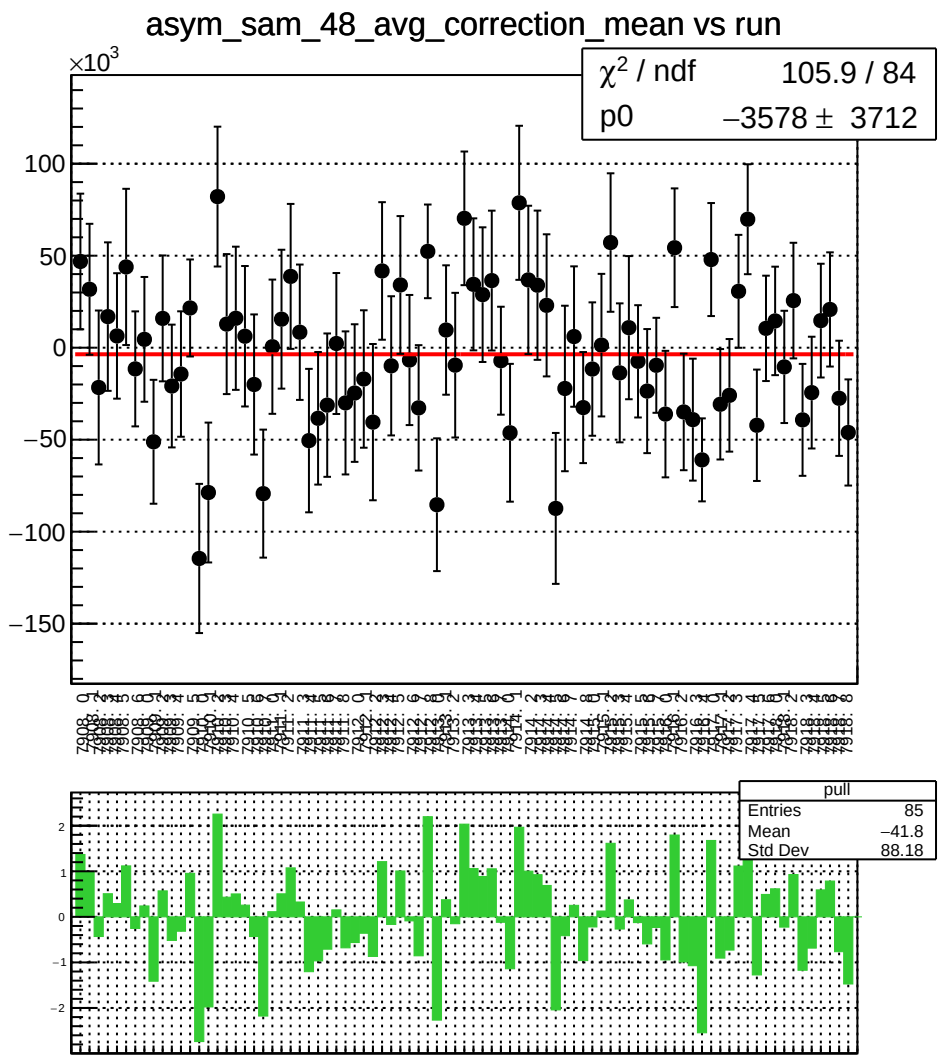

pull1D
Entries 85
Mean −0.008012
Std Dev 1.113
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

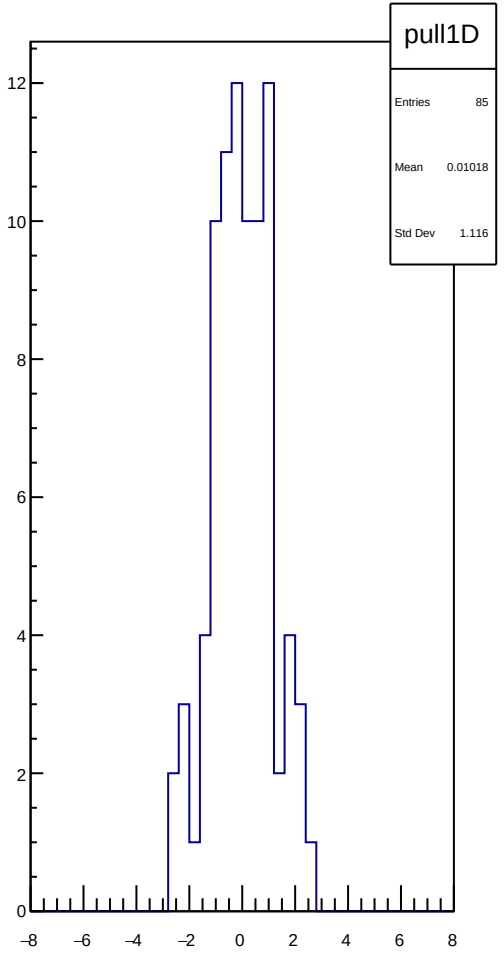

asym_sam_37_avg_rms vs run
χ² / ndf 2.489e+04 / 84
p0 2659 ± 2.096
3600
3400
3200
3000
2800
2600
2400
2200
2000

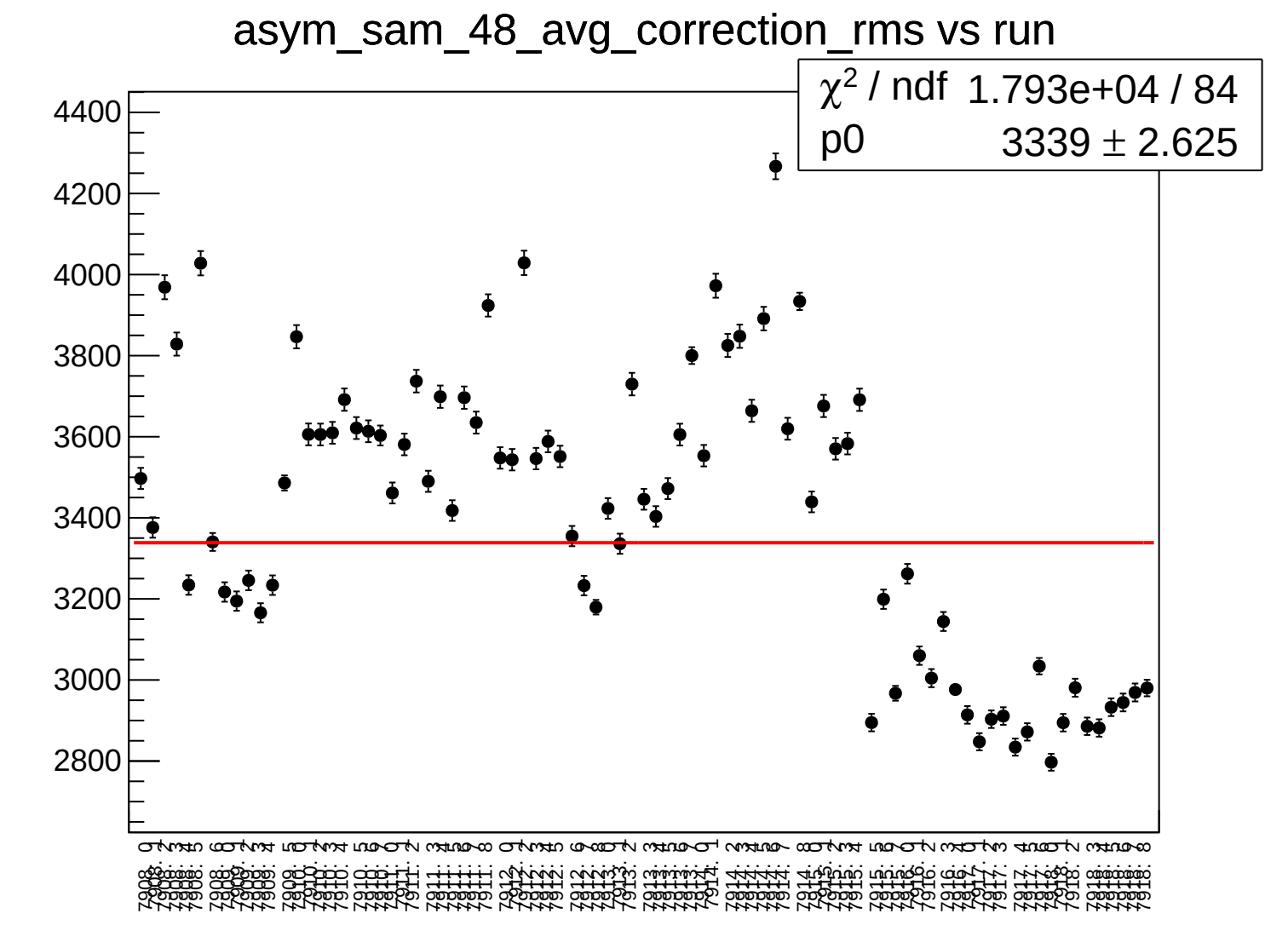

reg_asym_sam_48_avg_mean vs run
χ² / ndf 101.6 / 84
p0 −15.28 ± 263.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −986
Std Dev 1025
3
2
1
0
−1
−2

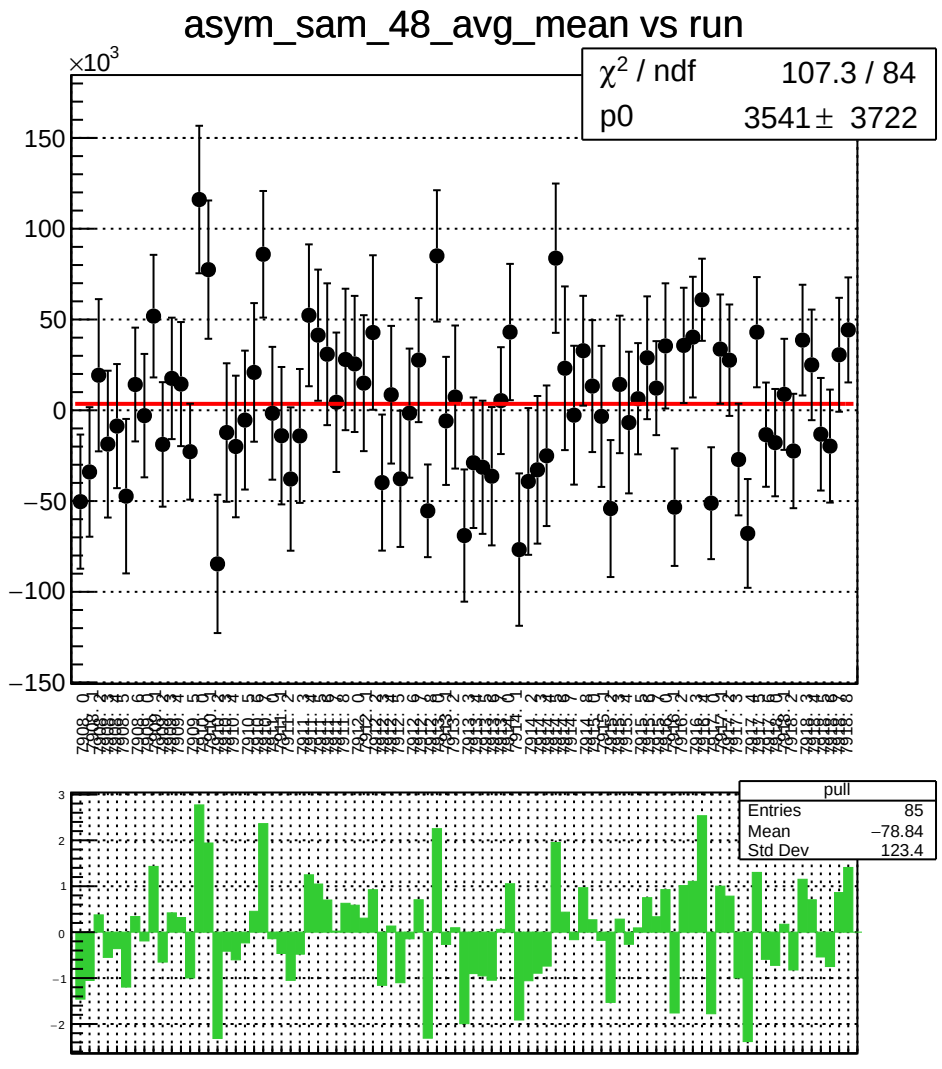

pull1D
Entries 85
Mean −0.005456
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

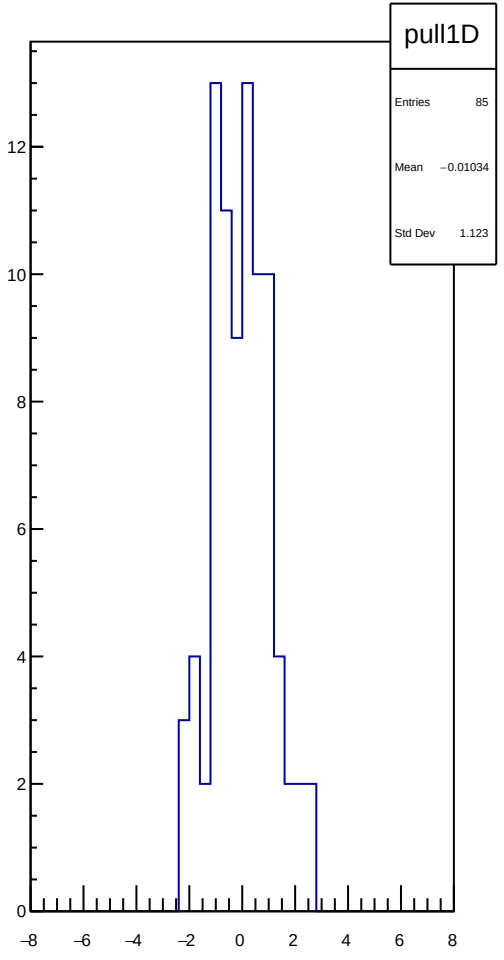

reg_asym_sam_48_avg_rms vs run
χ² / ndf 1.234e+04 / 84
p0 237.4 ± 0.1863
360
340
320
300
280
260
240
220
200

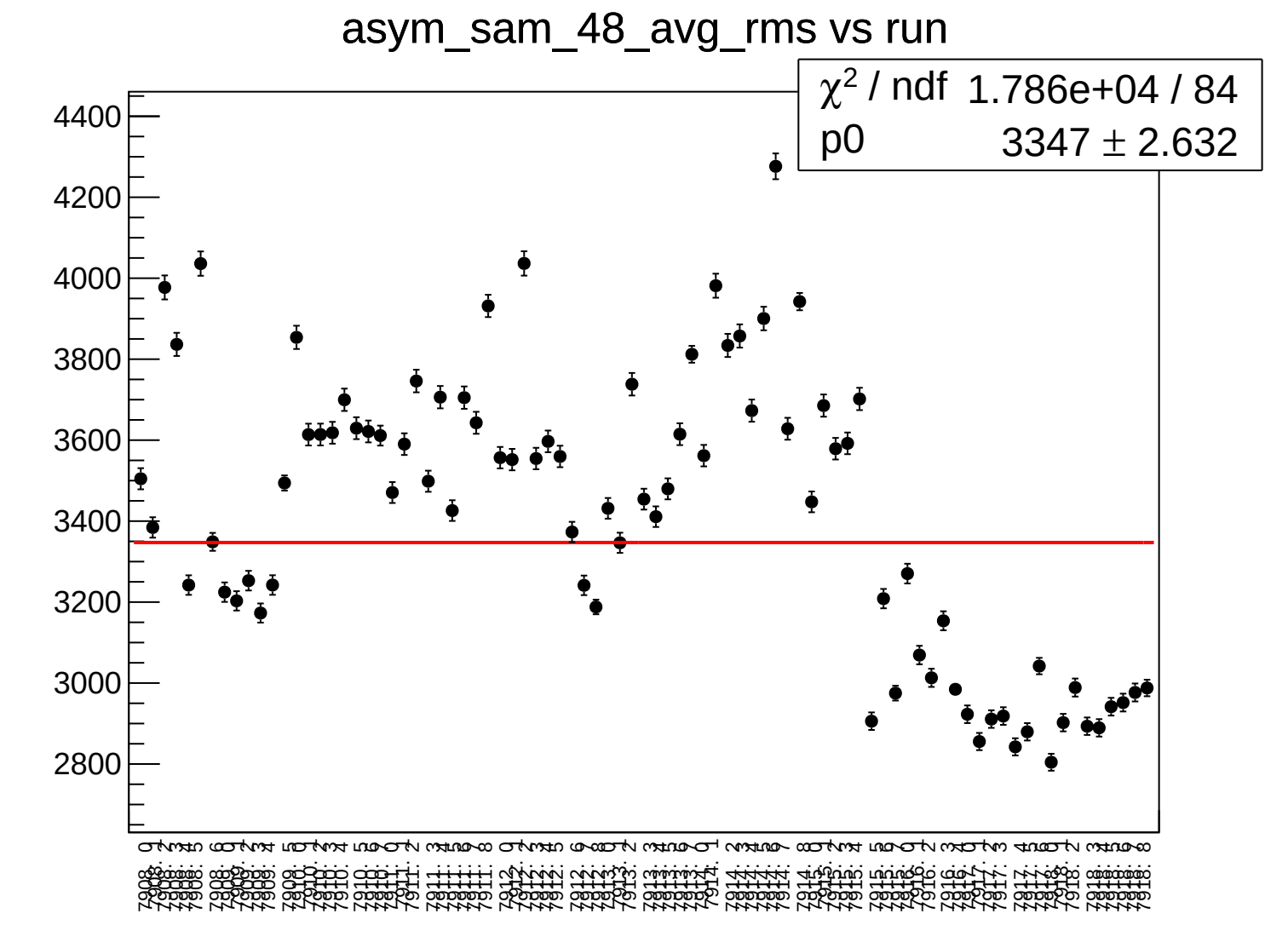

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 105.9 / 84
p0 −3578 ± 3712
100
50
0
−50
−100
−150
pull
Entries 85
Mean −41.8
Std Dev 88.18
2
1
0
−1
−2

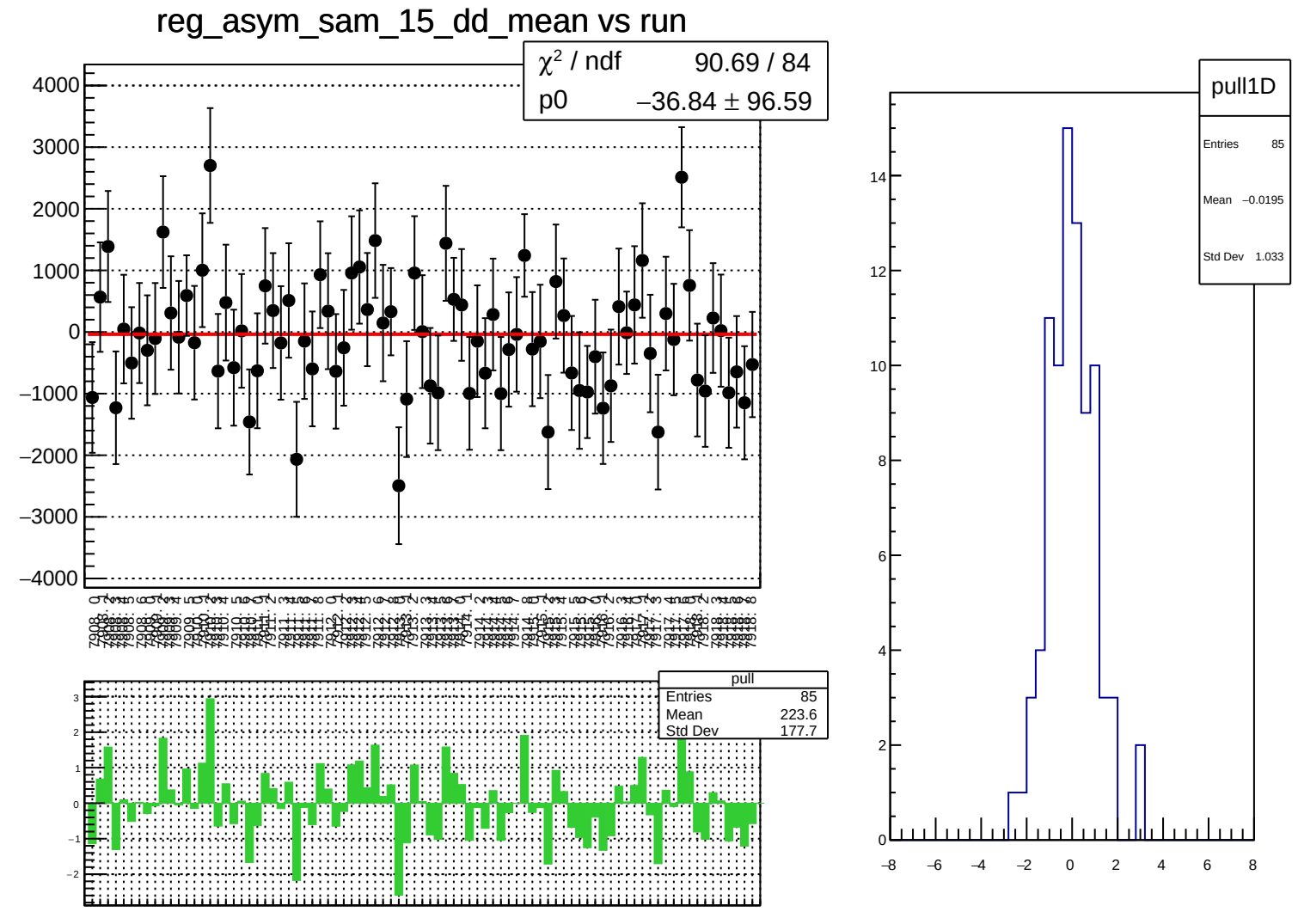

pull1D
Entries 85
Mean 0.01018
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

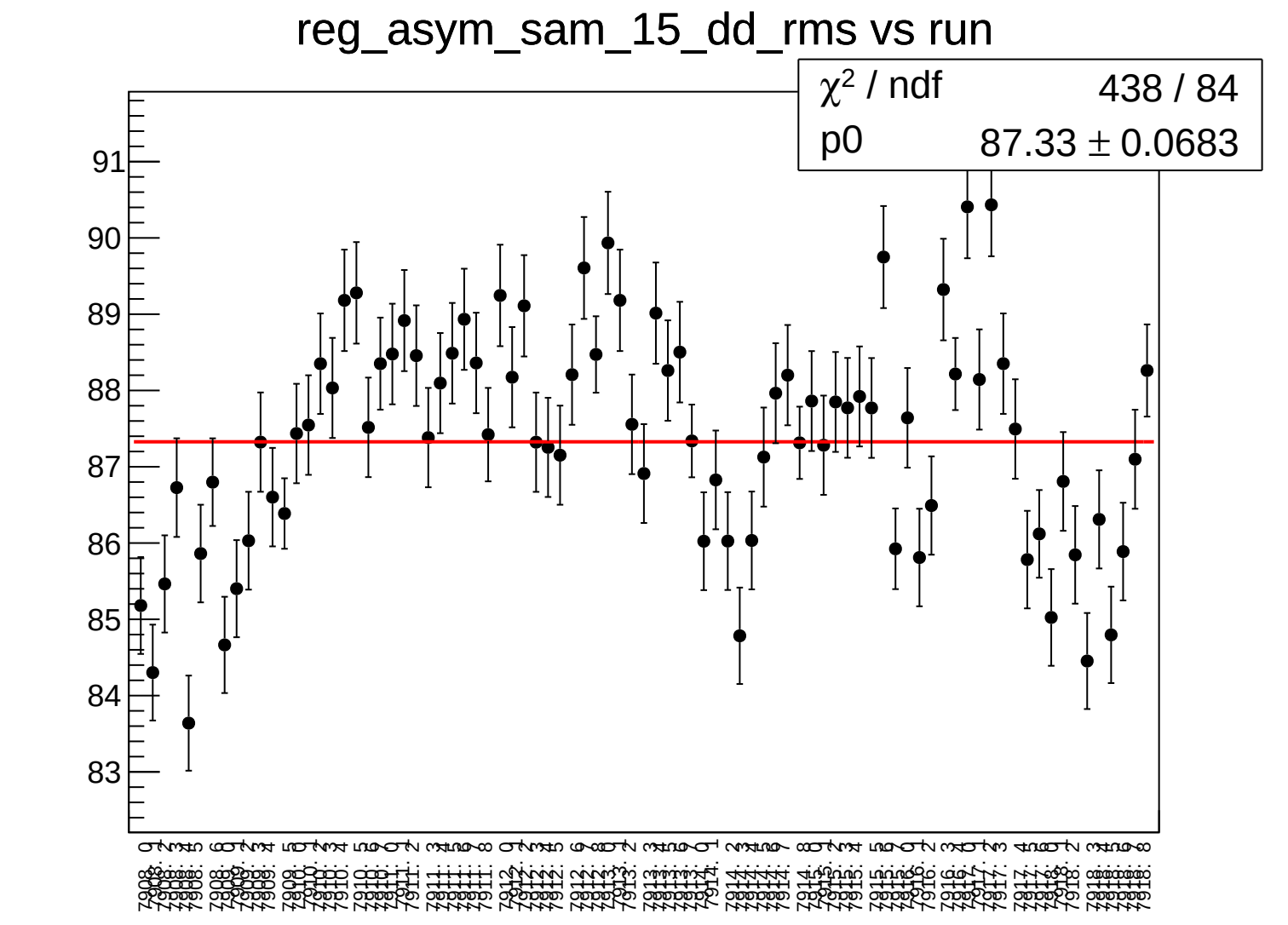

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.793e+04 / 84
p0 3339 ± 2.625
4400
4200
4000
3800
3600
3400
3200
3000
2800

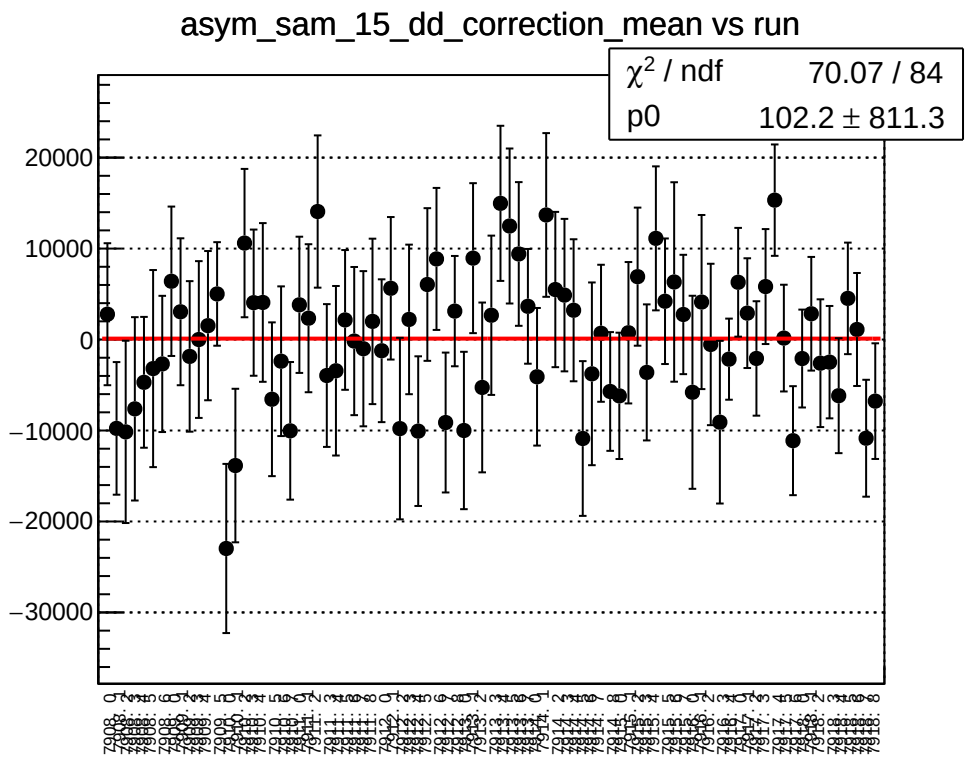

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 107.3 / 84
p0 3541 ± 3722
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −78.84
Std Dev 123.4
3
2
1
0
−1
−2

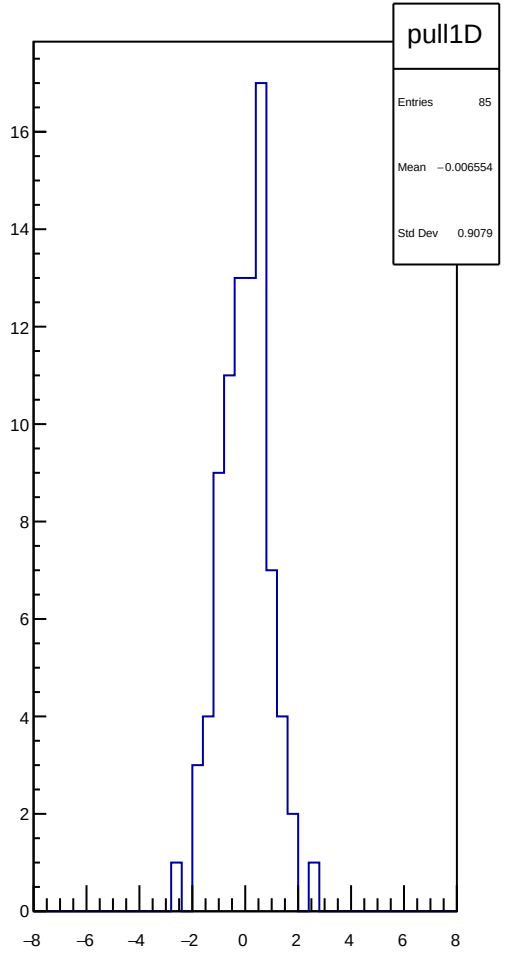

pull1D
Entries 85
Mean −0.01034
Std Dev 1.123
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

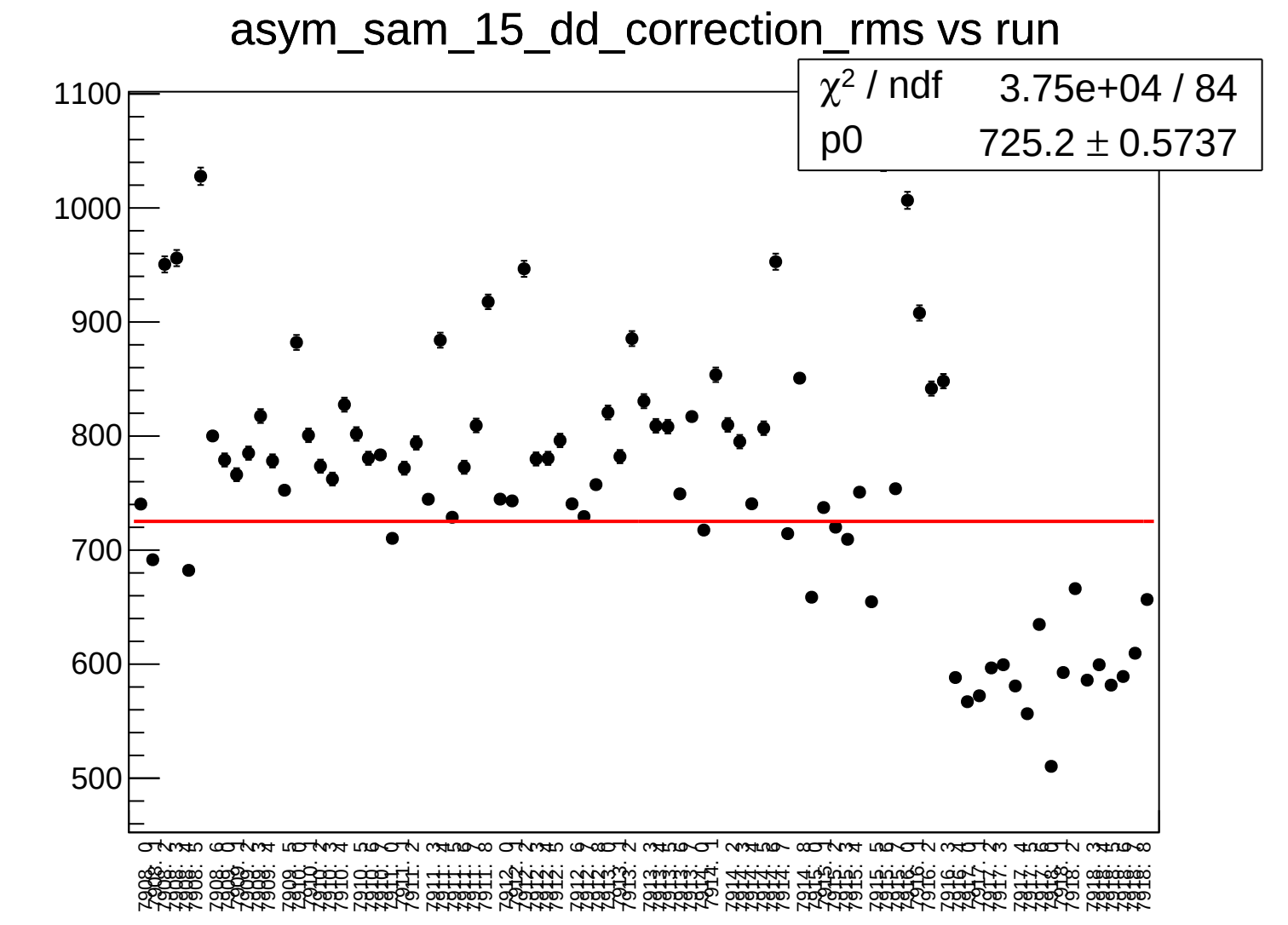

asym_sam_48_avg_rms vs run
χ² / ndf 1.786e+04 / 84
p0 3347 ± 2.632
4400
4200
4000
3800
3600
3400
3200
3000
2800

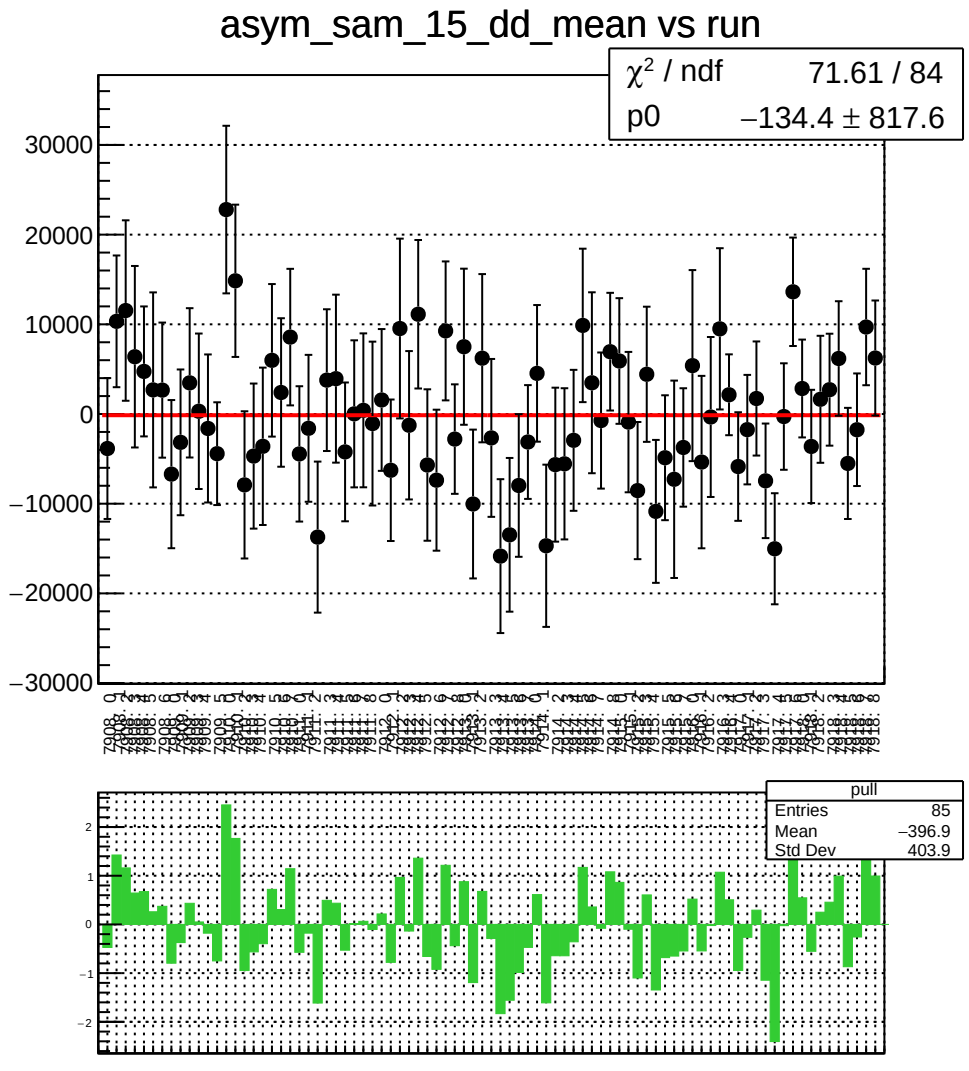

reg_asym_sam_15_dd_mean vs run
χ² / ndf 90.69 / 84
p0 −36.84 ± 96.59
pull
Entries 85
Mean 223.6
Std Dev 177.7
pull1D
Entries 85
Mean −0.0195
Std Dev 1.033

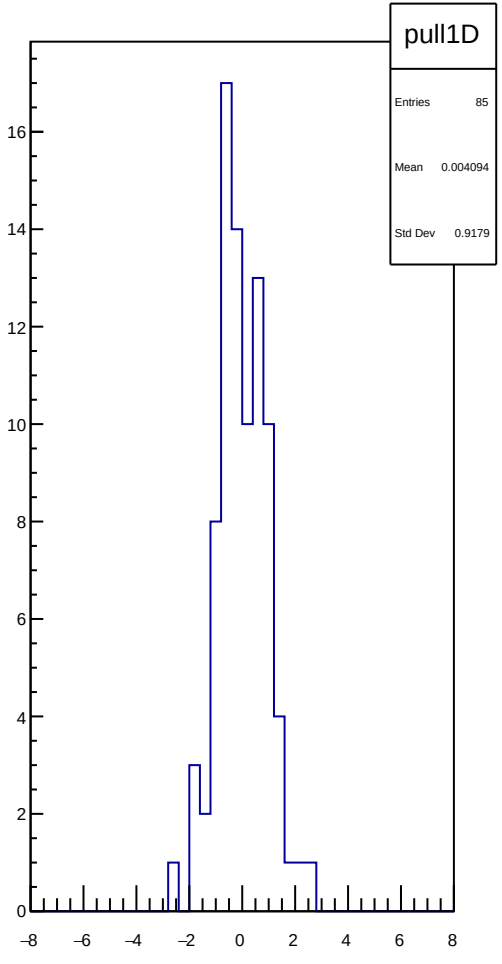

reg_asym_sam_15_dd_rms vs run
χ² / ndf 438 / 84
p0 87.33 ± 0.0683
91
90
89
88
87
86
85
84
83

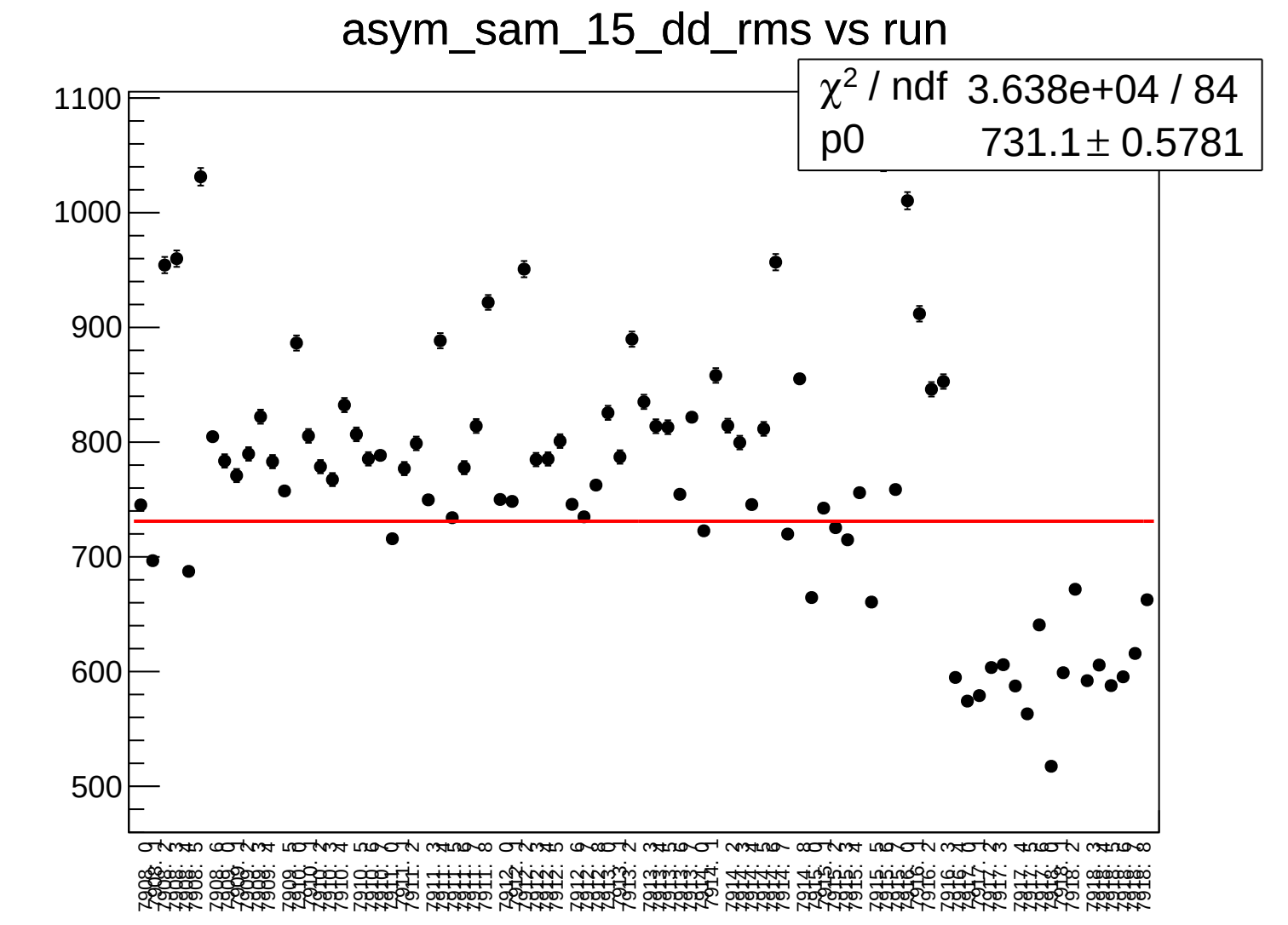

asym_sam_15_dd_correction_mean vs run
χ² / ndf 70.07 / 84
p0 102.2 ± 811.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −172.9
Std Dev 164.5
2
1
0
−1
−2

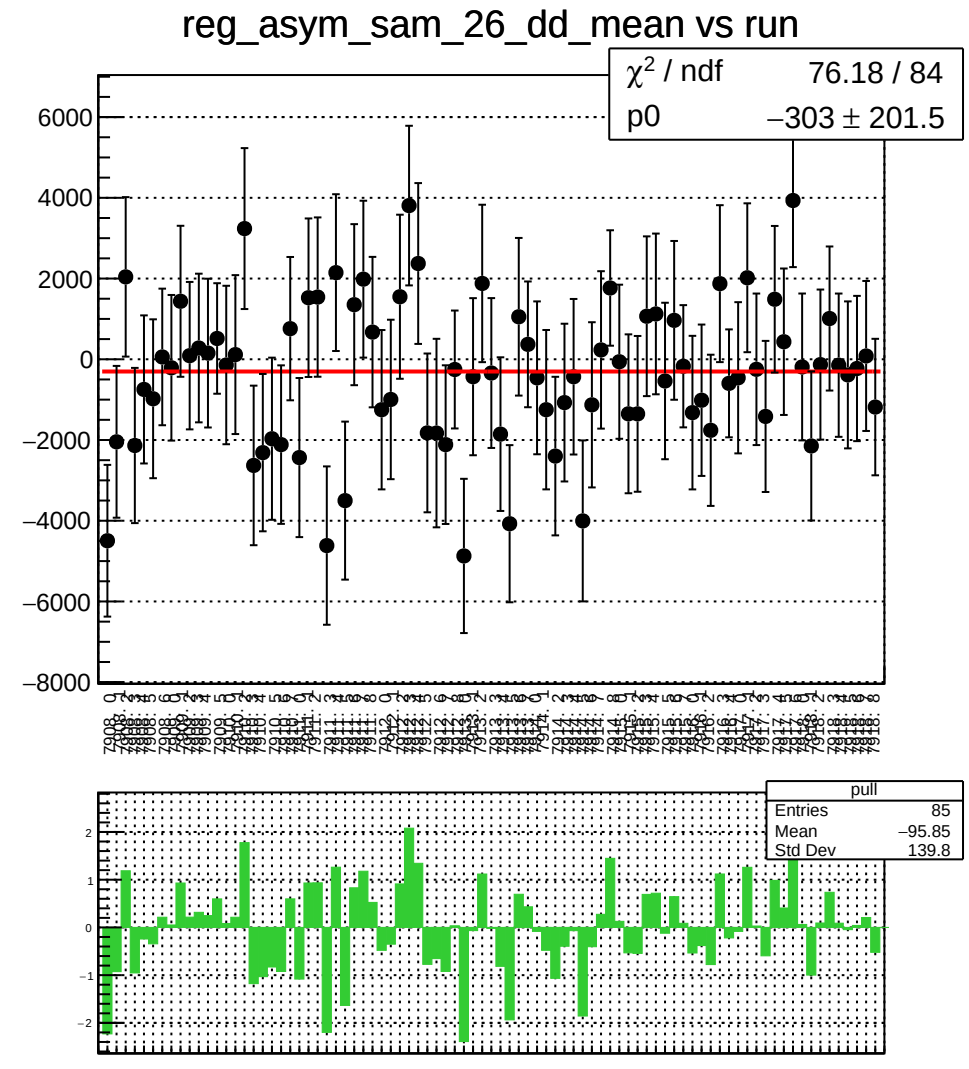

pull1D
Entries 85
Mean −0.006554
Std Dev 0.9079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

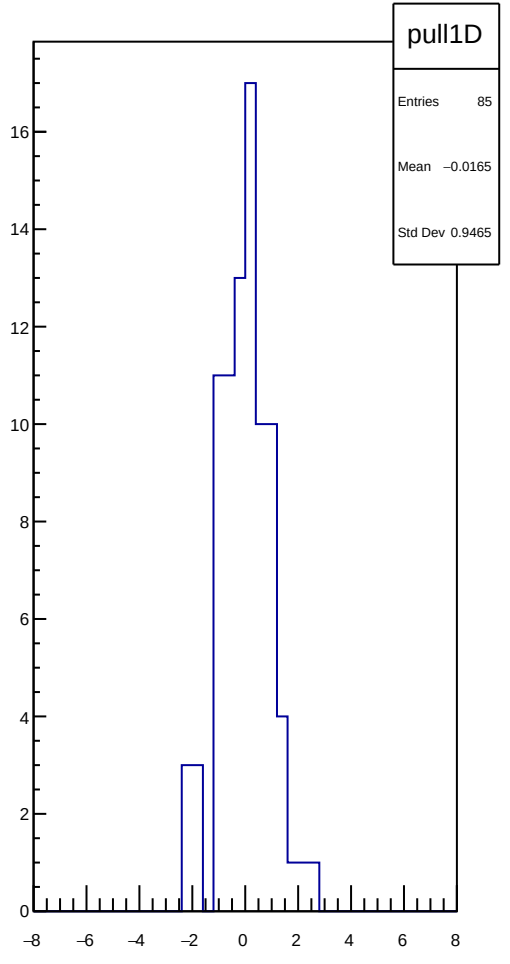

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3.75e+04 / 84
p0 725.2 ± 0.5737
1100
1000
900
800
700
600
500

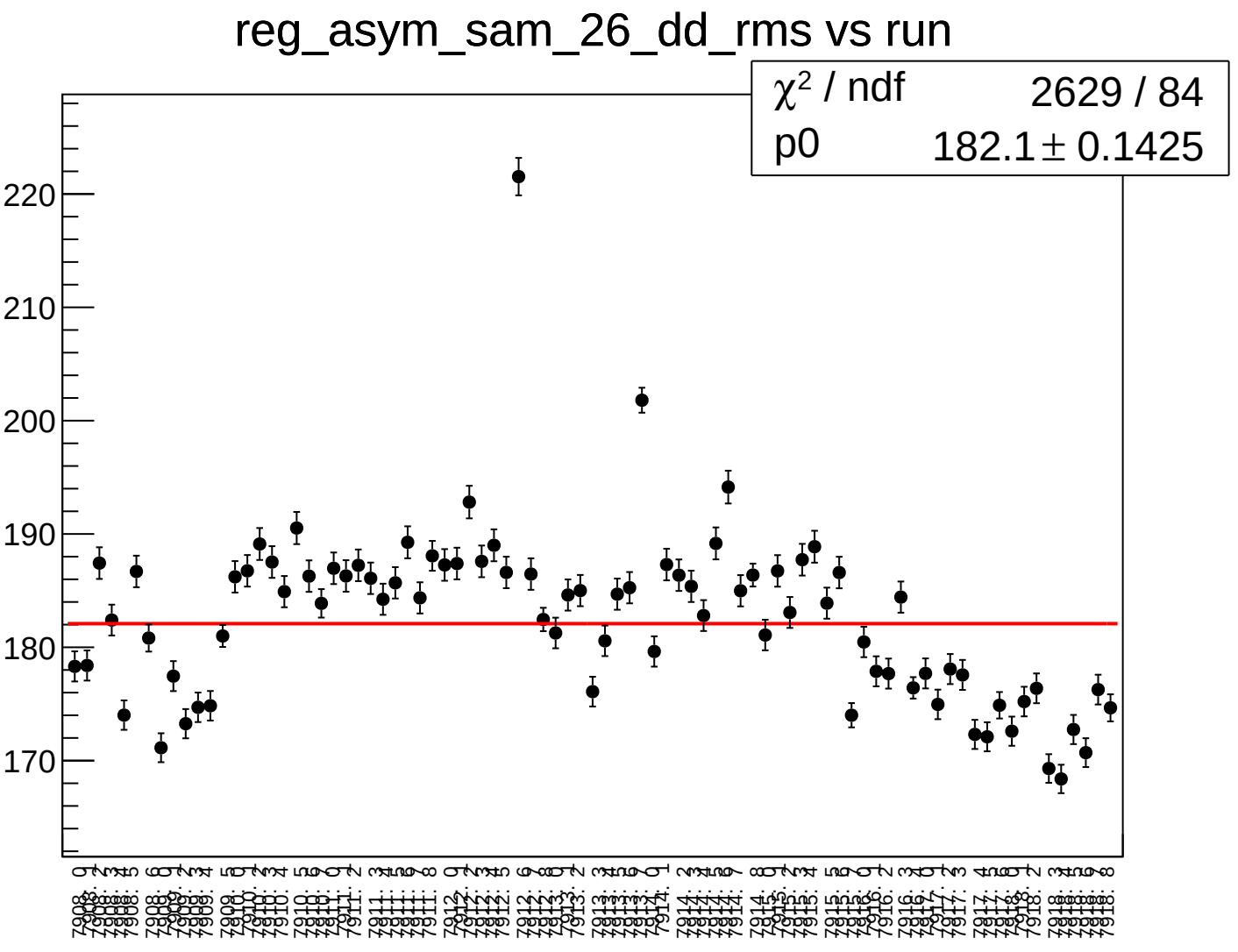

asym_sam_15_dd_mean vs run
χ² / ndf 71.61 / 84
p0 −134.4 ± 817.6
pull
Entries 85
Mean −396.9
Std Dev 403.9

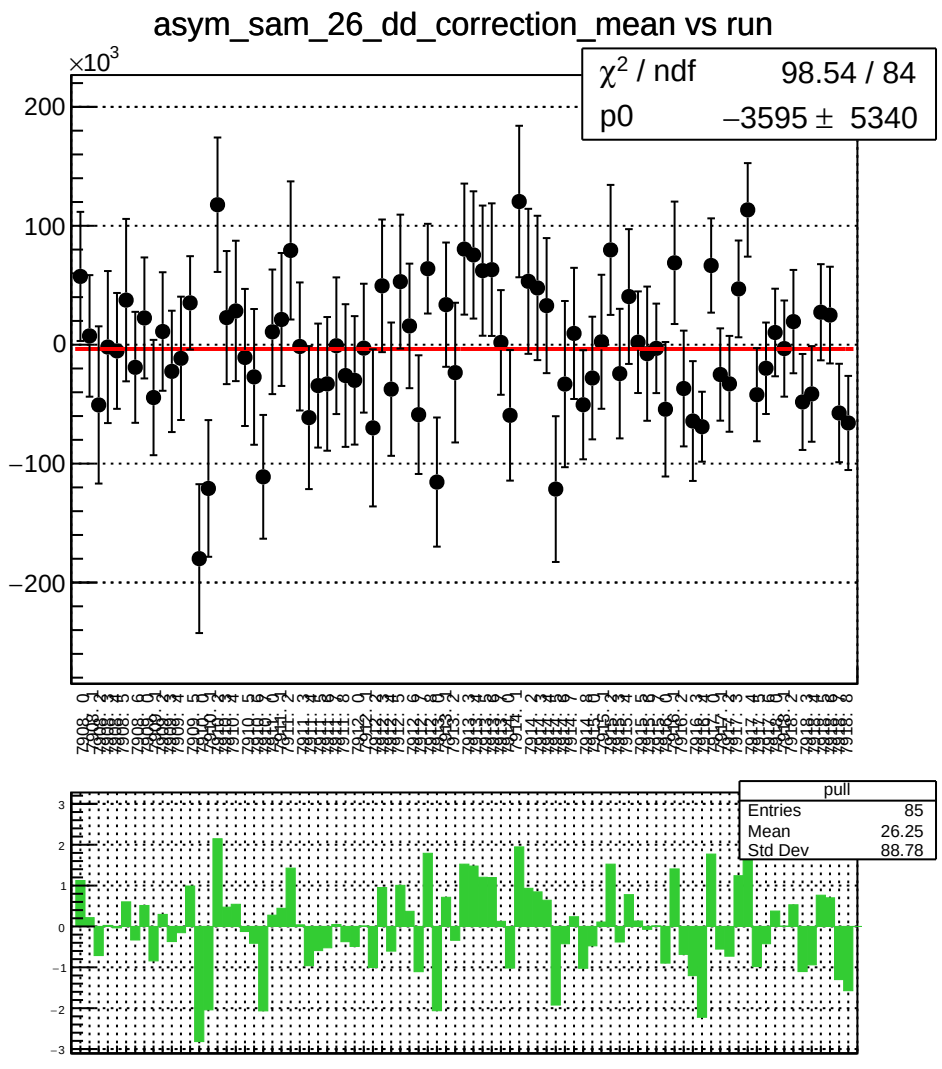

pull1D
Entries 85
Mean 0.004094
Std Dev 0.9179

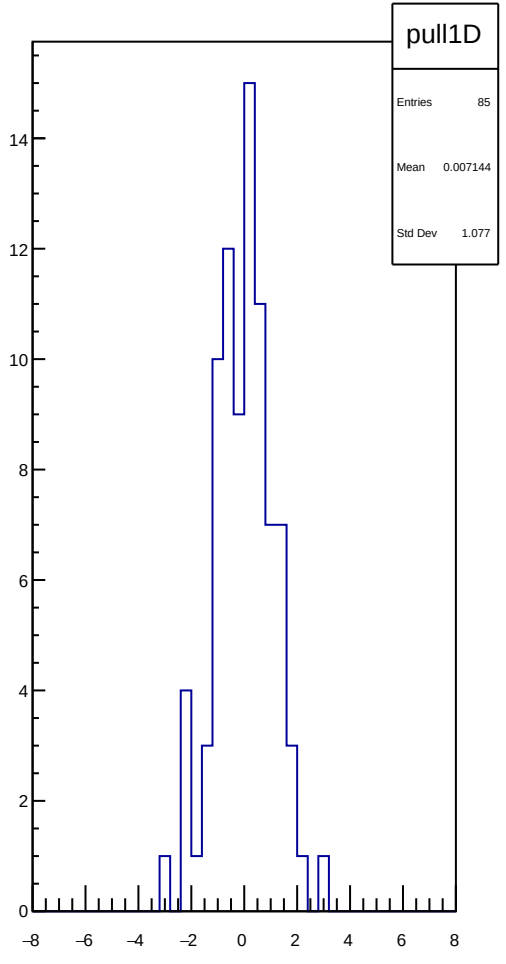

asym_sam_15_dd_rms vs run
χ^2 / ndf 3.638e+04 / 84
p0 731.1 ± 0.5781
1100
1000
900
800
700
600
500

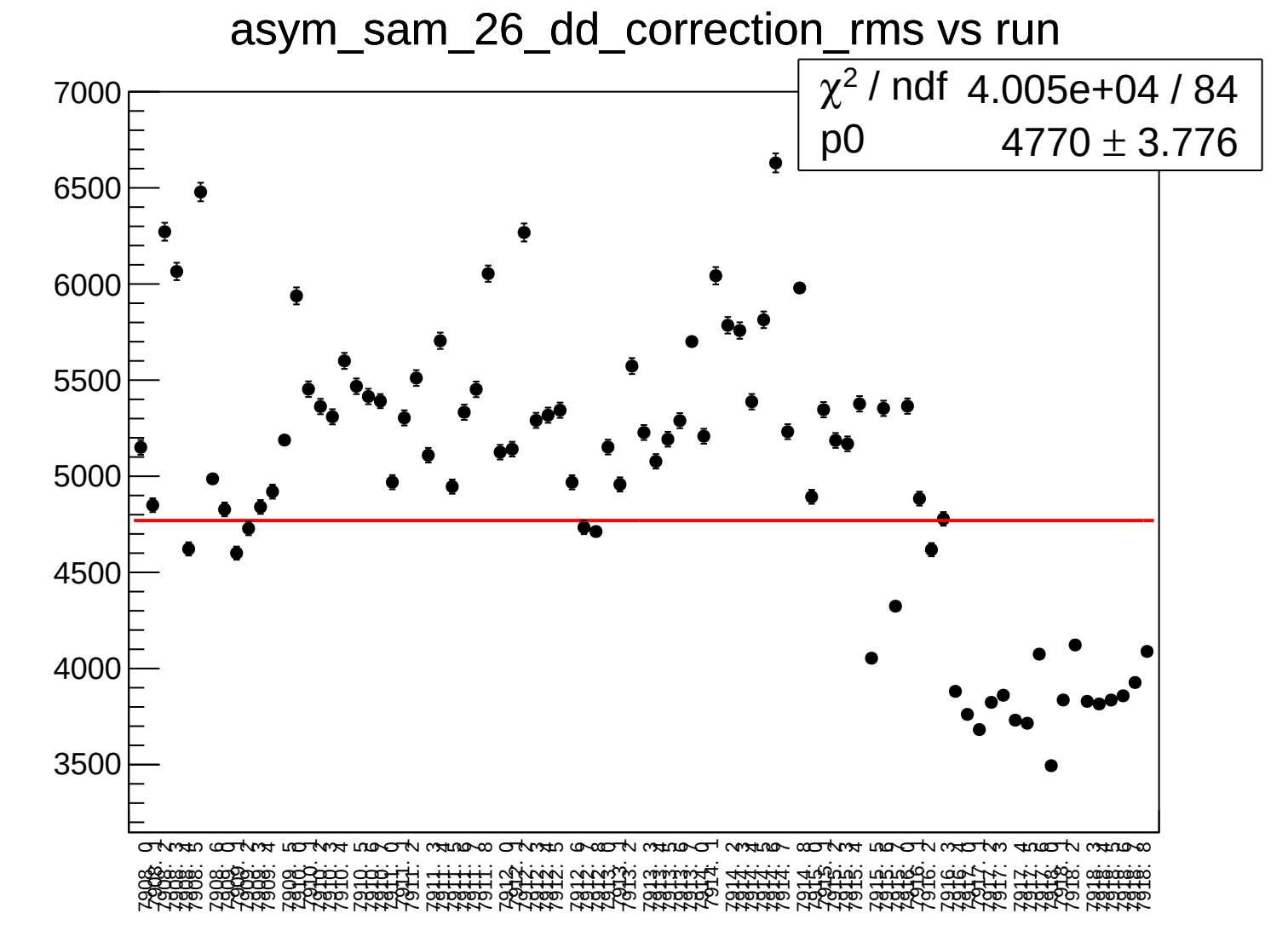

reg_asym_sam_26_dd_mean vs run
χ² / ndf 76.18 / 84
p0 −303 ± 201.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 85
Mean −95.85
Std Dev 139.8
2
1
0
−1
−2

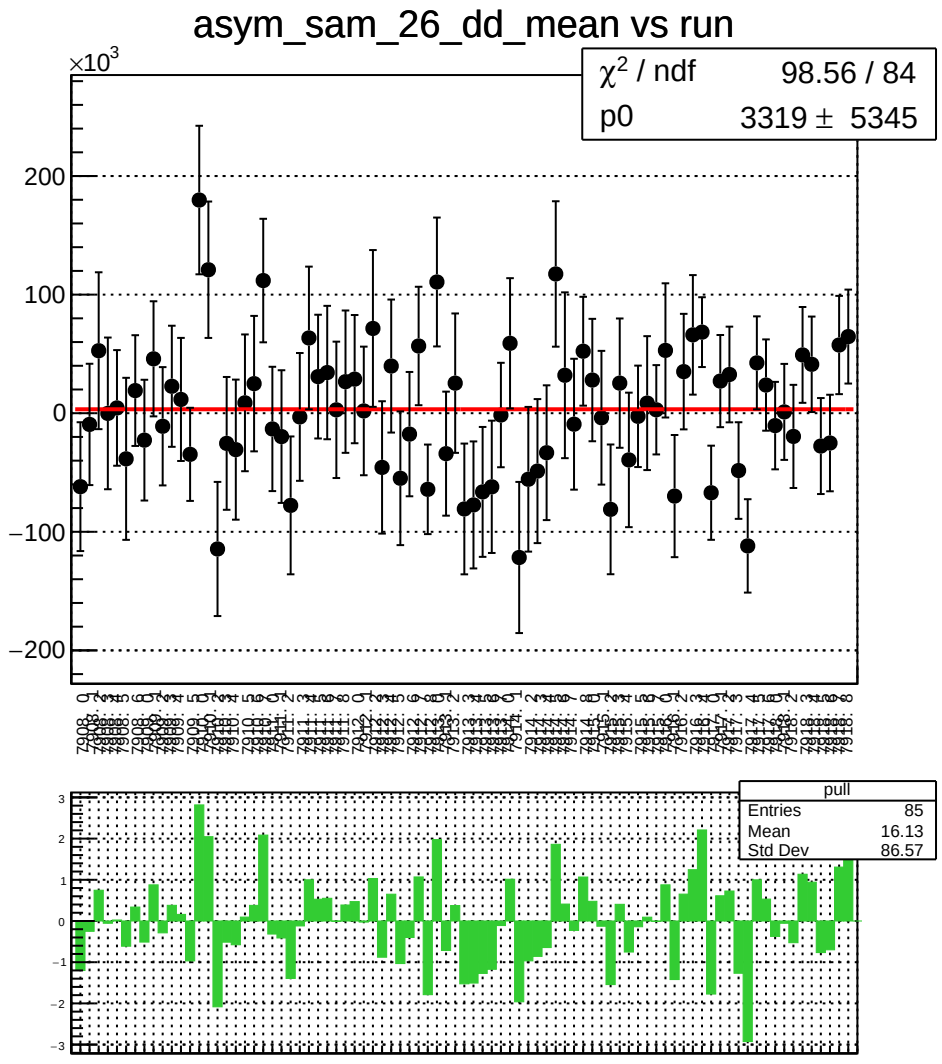

pull1D
Entries 85
Mean −0.0165
Std Dev 0.9465
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

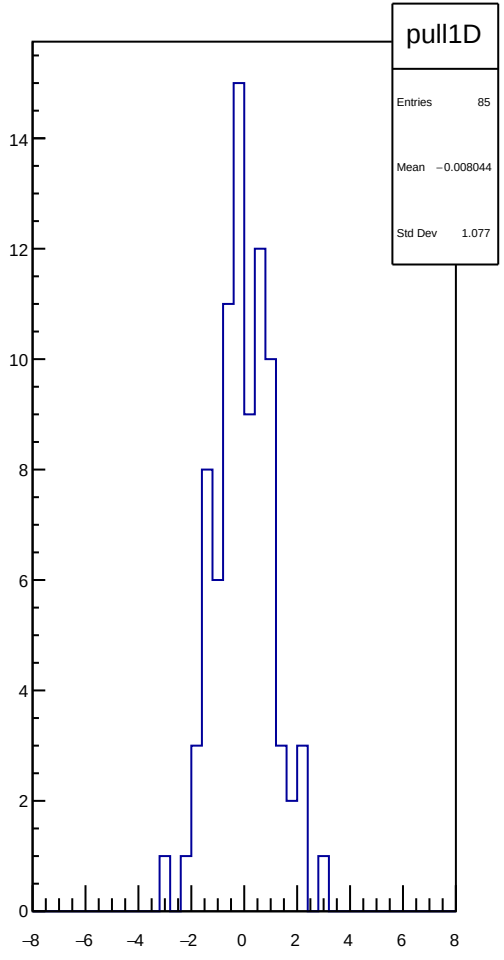

reg_asym_sam_26_dd_rms vs run
χ² / ndf 2629 / 84
p0 182.1 ± 0.1425
220
210
200
190
180
170

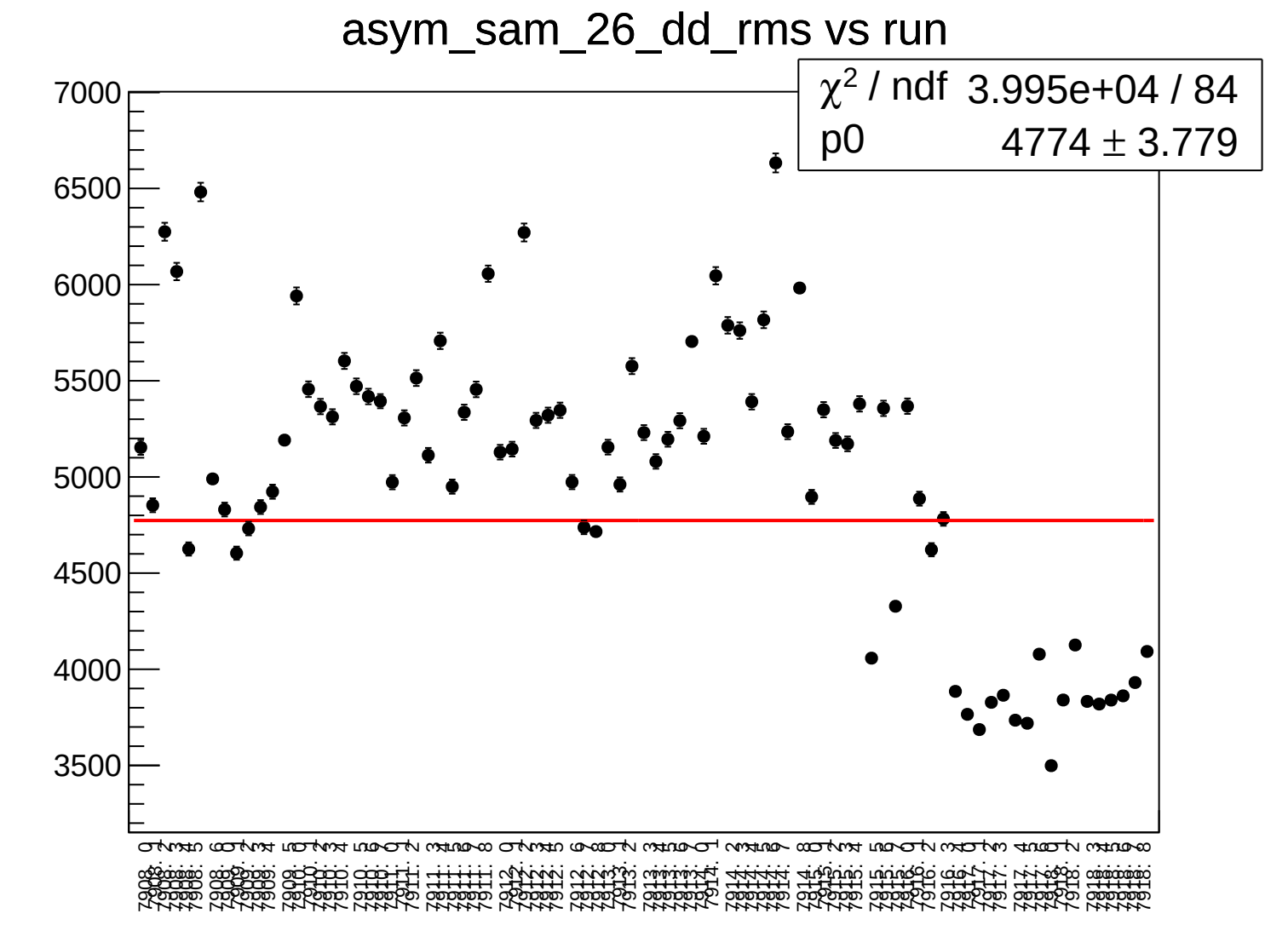

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 98.54 / 84
p0 −3595 ± 5340
200
100
0
−100
−200
pull
Entries 85
Mean 26.25
Std Dev 88.78
3
2
1
0
−1
−2
−3

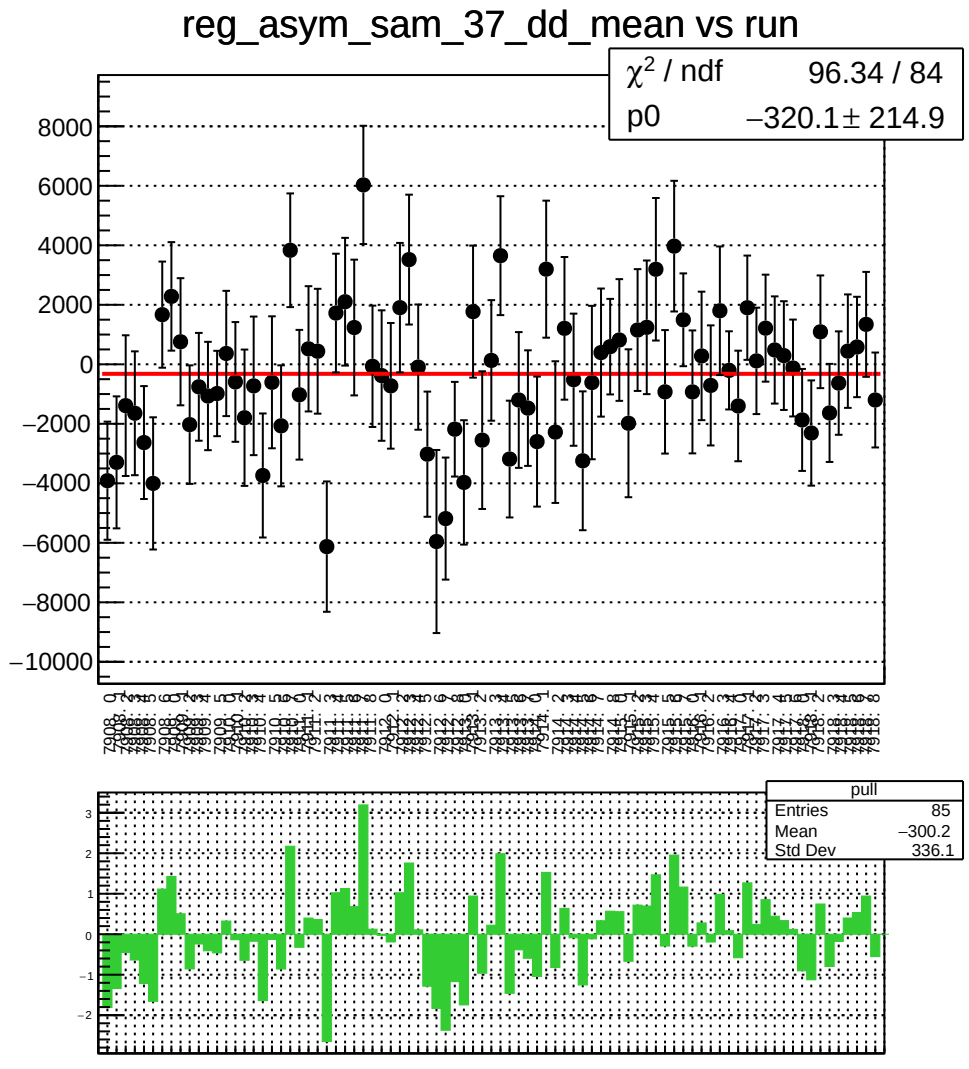

pull1D
Entries 85
Mean 0.007144
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

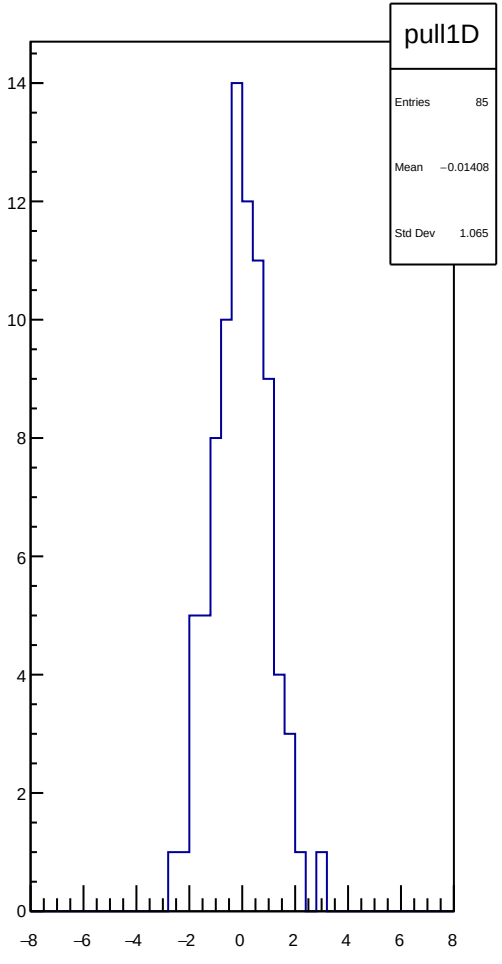

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4.005e+04 / 84
p0 4770 ± 3.776
7000
6500
6000
5500
5000
4500
4000
3500

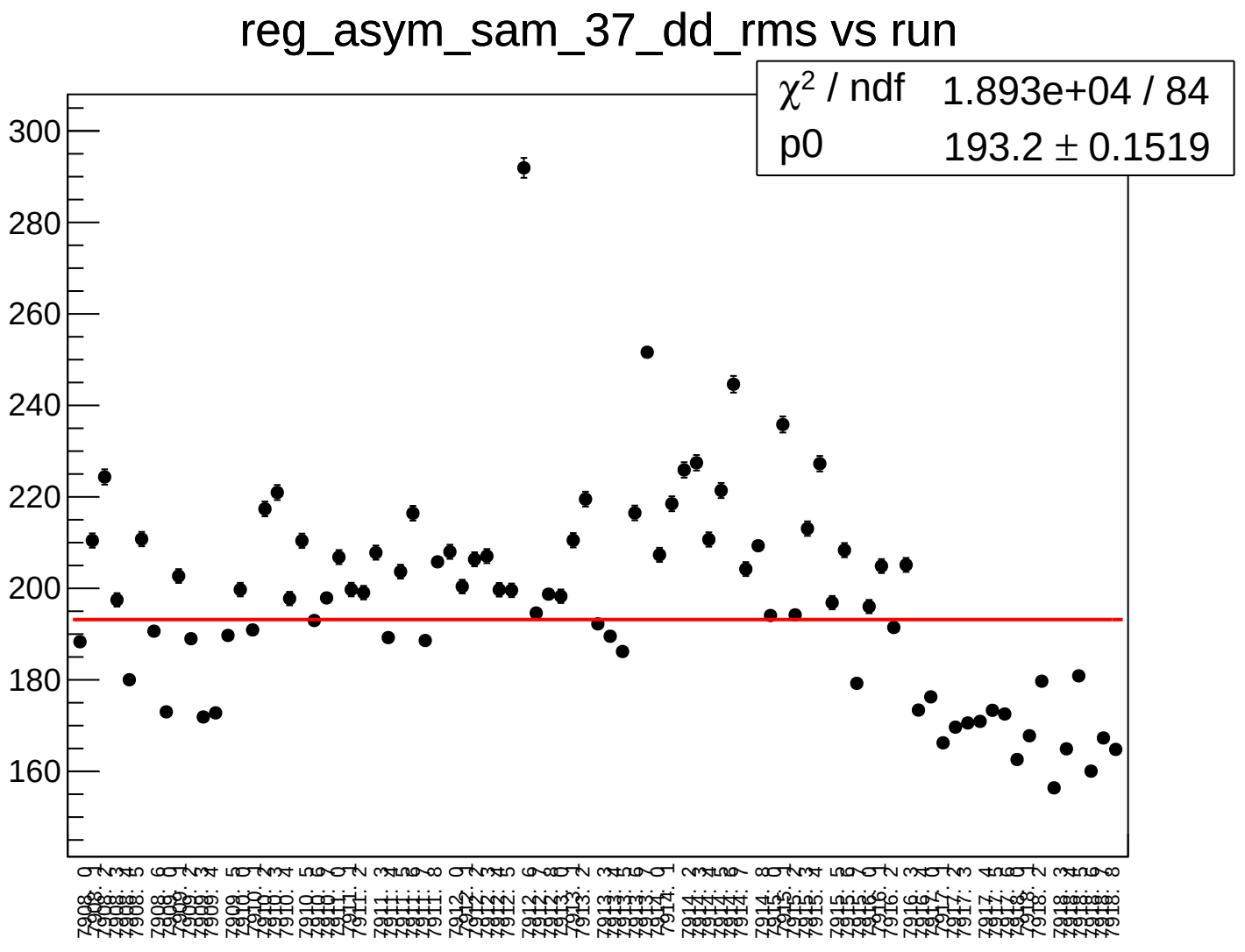

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 98.56 / 84
p0 3319 ± 5345
200
100
0
−100
−200
pull
Entries 85
Mean 16.13
Std Dev 86.57
3
2
1
0
−1
−2
−3

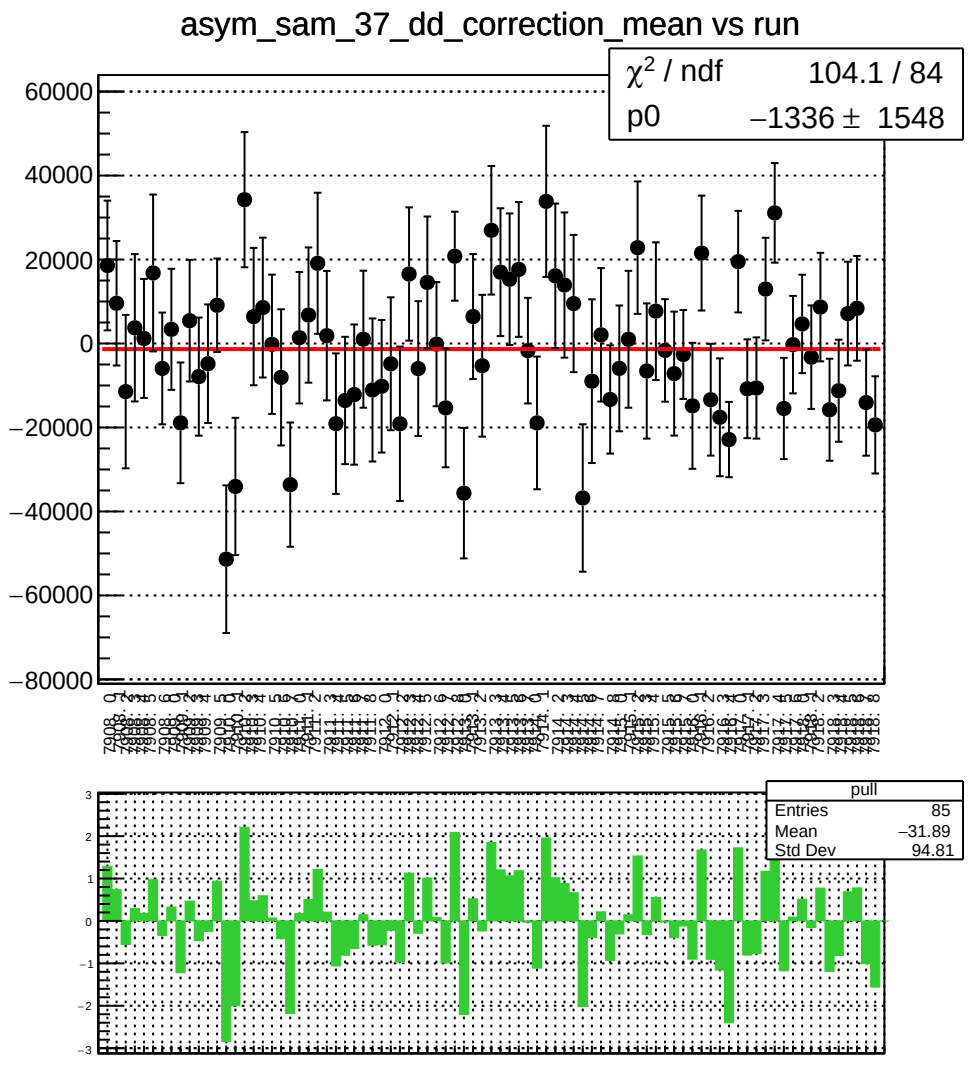

pull1D
Entries 85
Mean −0.008044
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

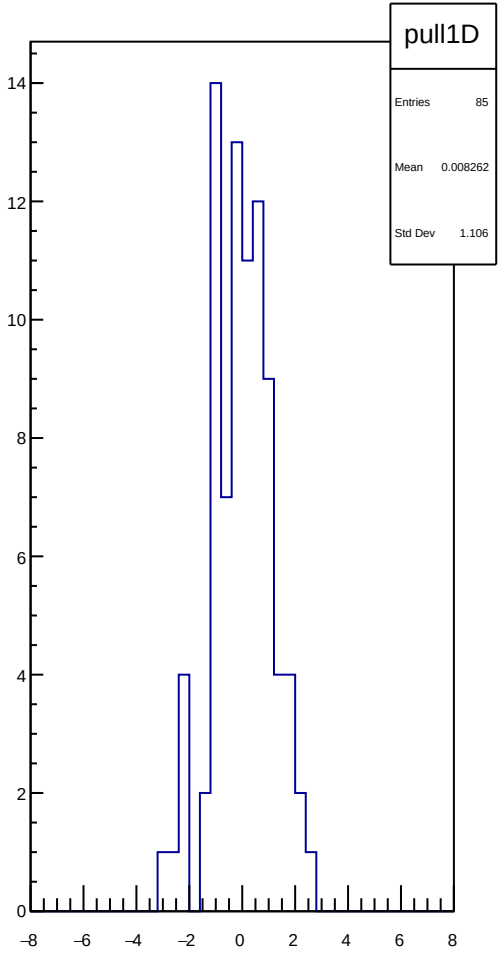

asym_sam_26_dd_rms vs run
χ^2 / ndf 3.995e+04 / 84
p0 4774 ± 3.779
7000
6500
6000
5500
5000
4500
4000
3500

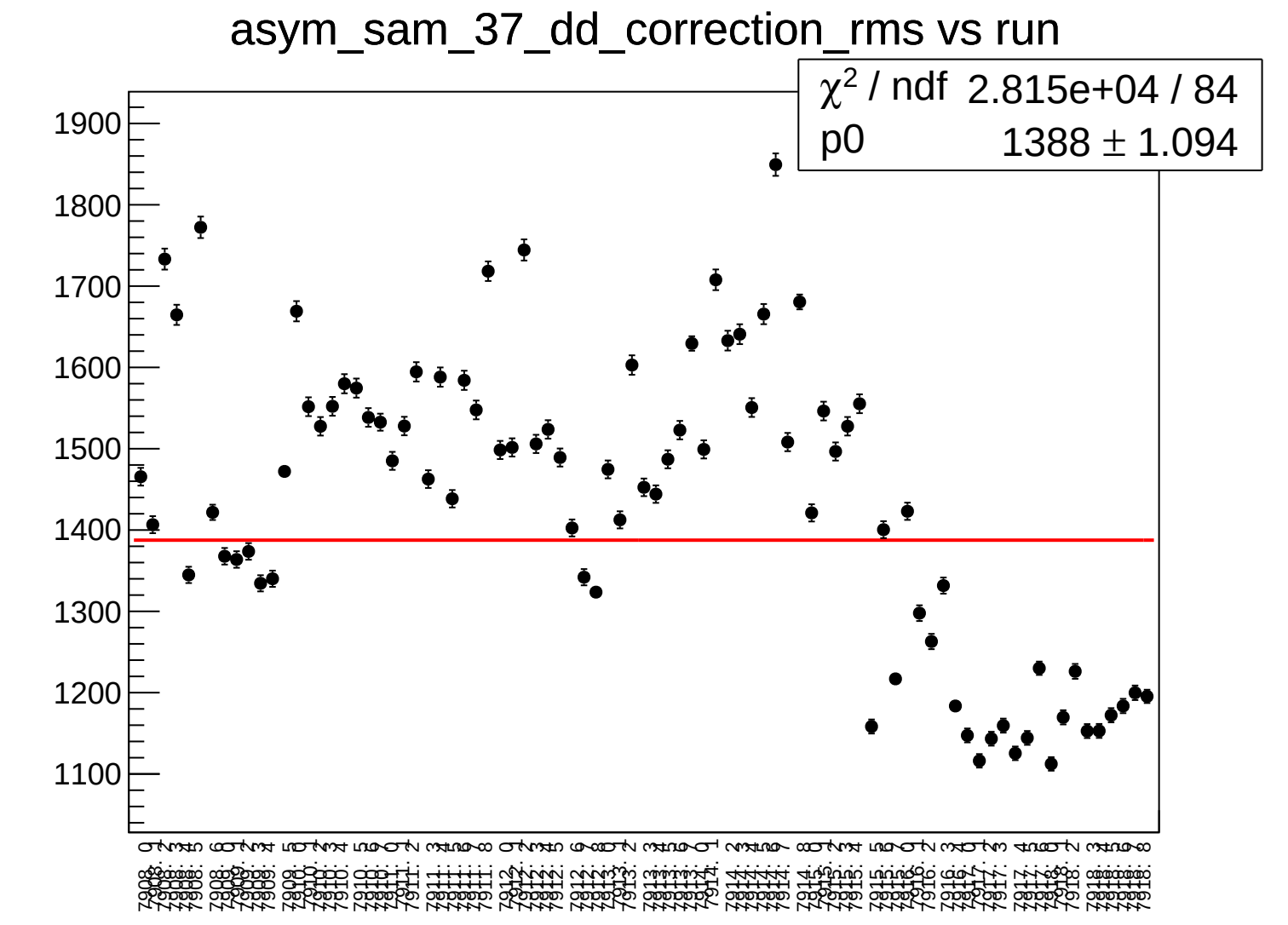

reg_asym_sam_37_dd_mean vs run
χ² / ndf 96.34 / 84
p0 −320.1± 214.9
pull
Entries 85
Mean −300.2
Std Dev 336.1

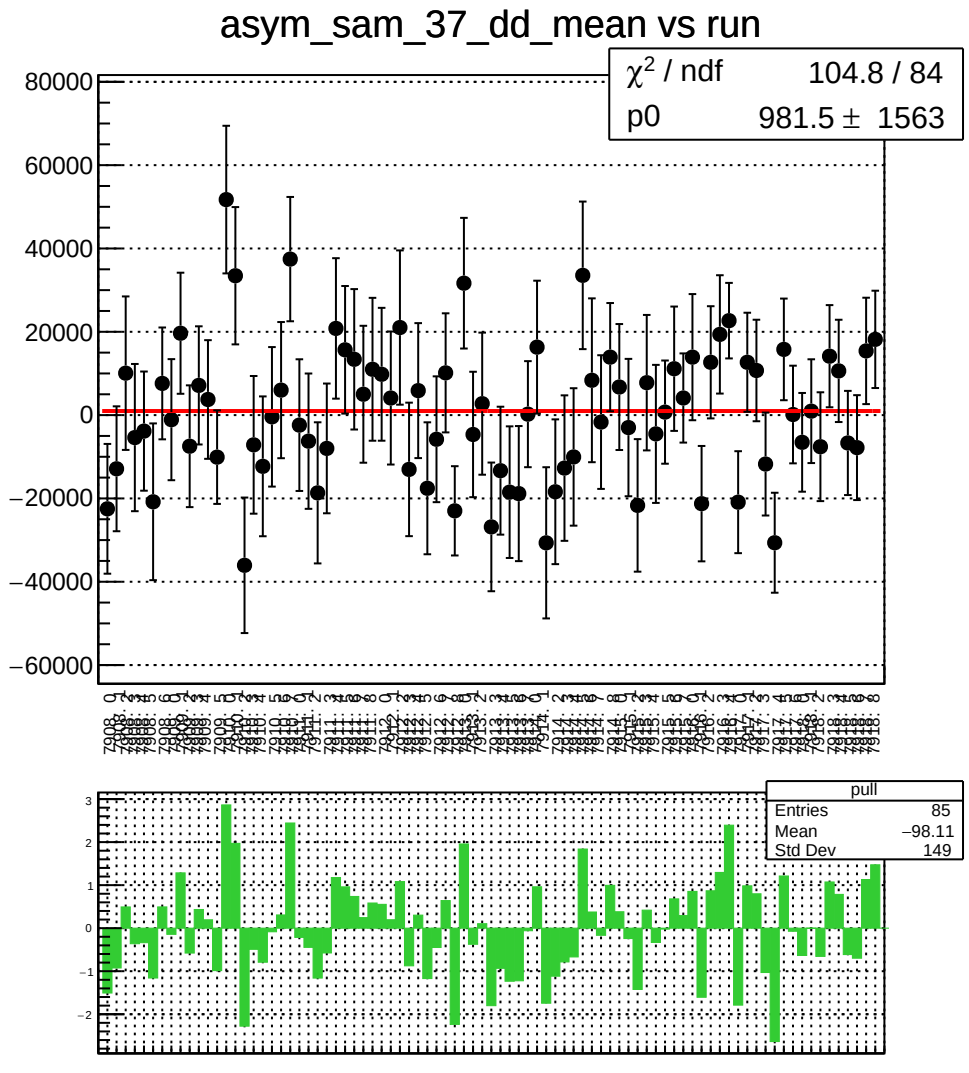

pull1D
Entries 85
Mean −0.01408
Std Dev 1.065

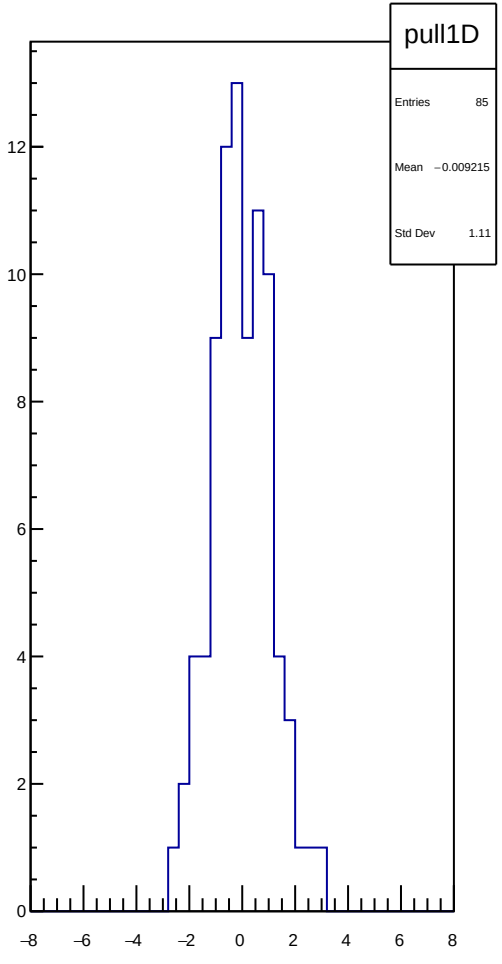

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.893e+04 / 84
p0 193.2 ± 0.1519
300
280
260
240
220
200
180
160

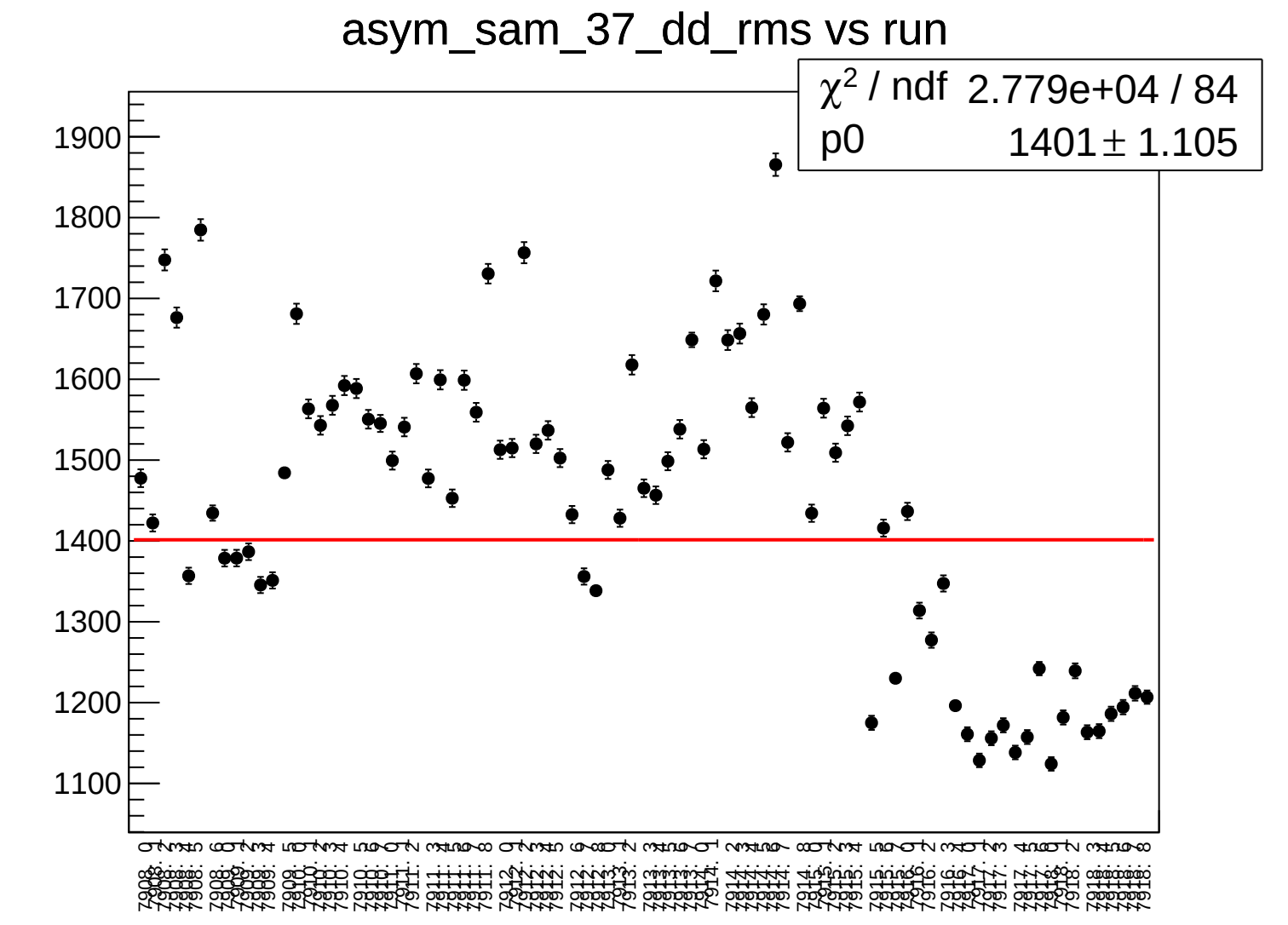

asym_sam_37_dd_correction_mean vs run
χ² / ndf 104.1 / 84
p0 −1336 ± 1548
pull
Entries 85
Mean −31.89
Std Dev 94.81

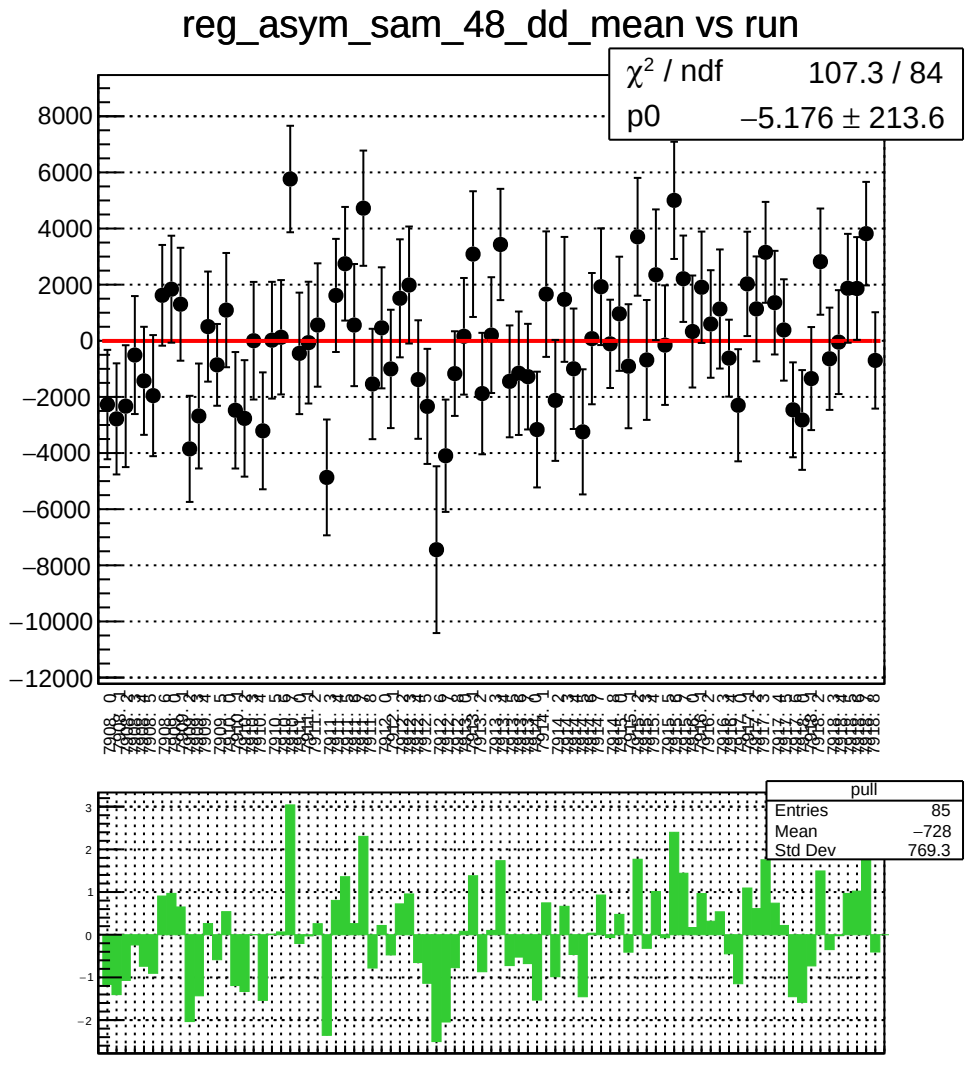

pull1D
Entries 85
Mean 0.008262
Std Dev 1.106

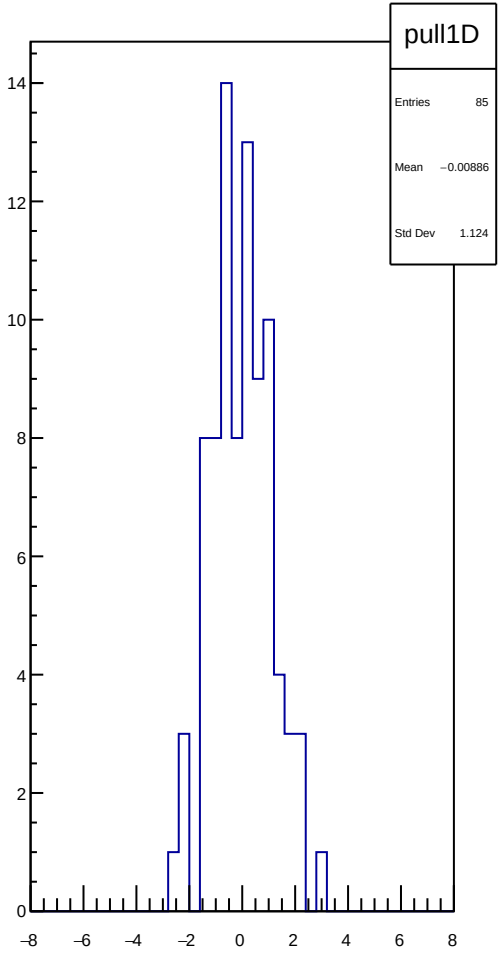

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2.815e+04 / 84
p0 1388 ± 1.094
1900
1800
1700
1600
1500
1400
1300
1200
1100

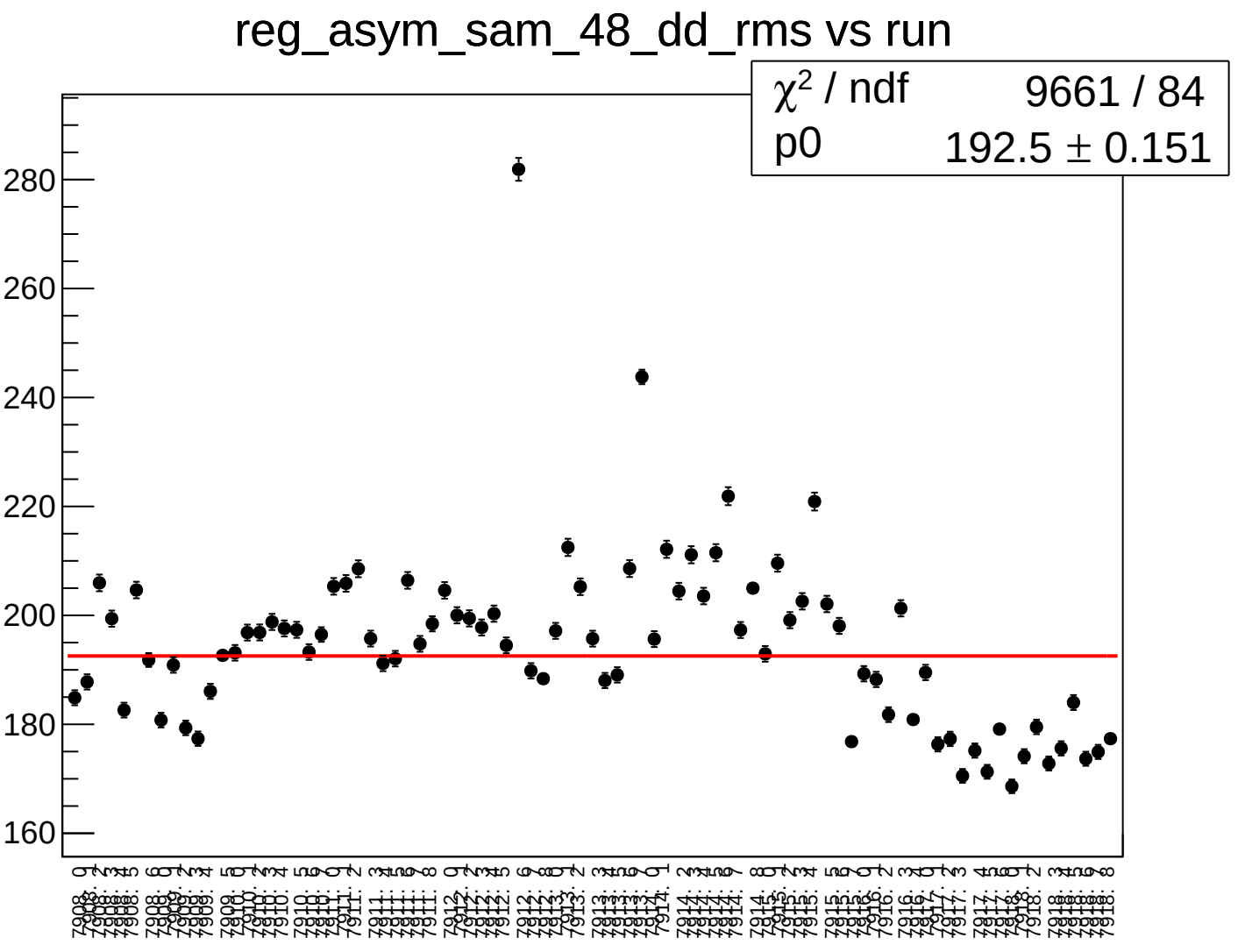

asym_sam_37_dd_mean vs run
χ² / ndf 104.8 / 84
p0 981.5 ± 1563
pull
Entries 85
Mean −98.11
Std Dev 149

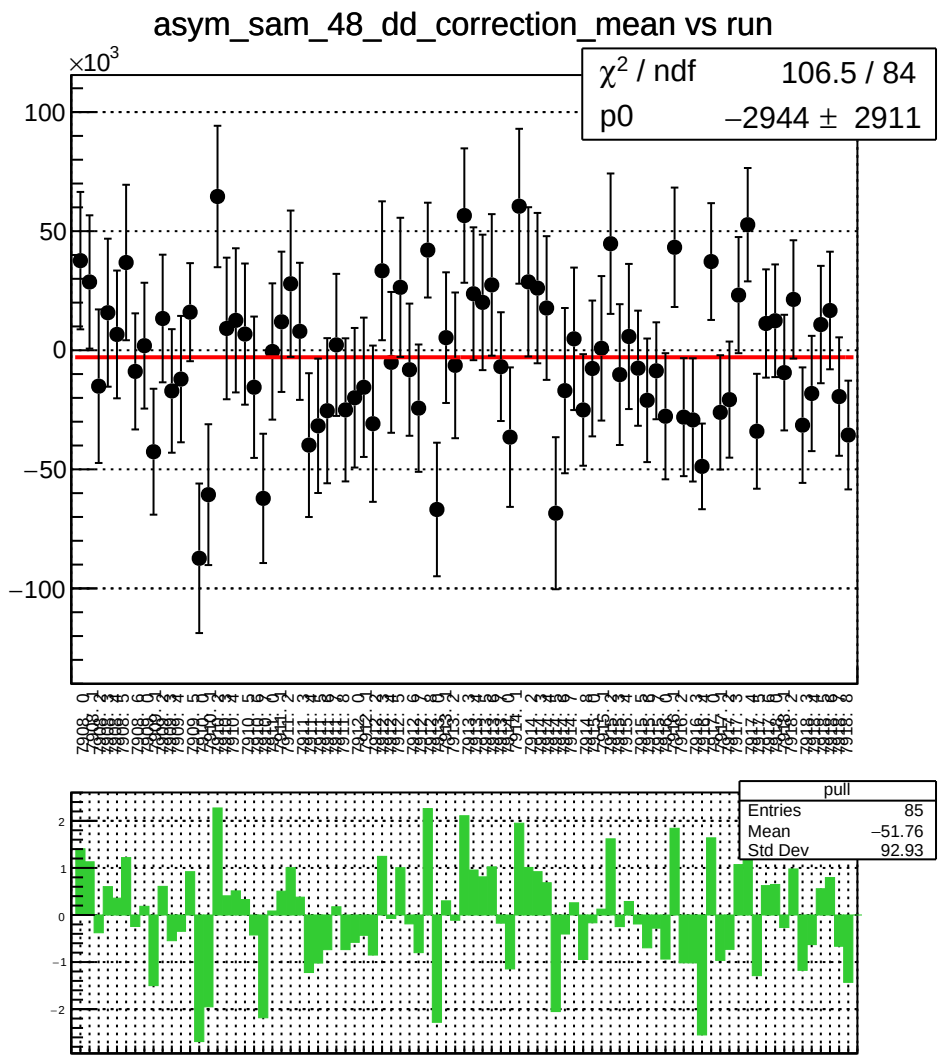

pull1D
Entries 85
Mean −0.009215
Std Dev 1.11

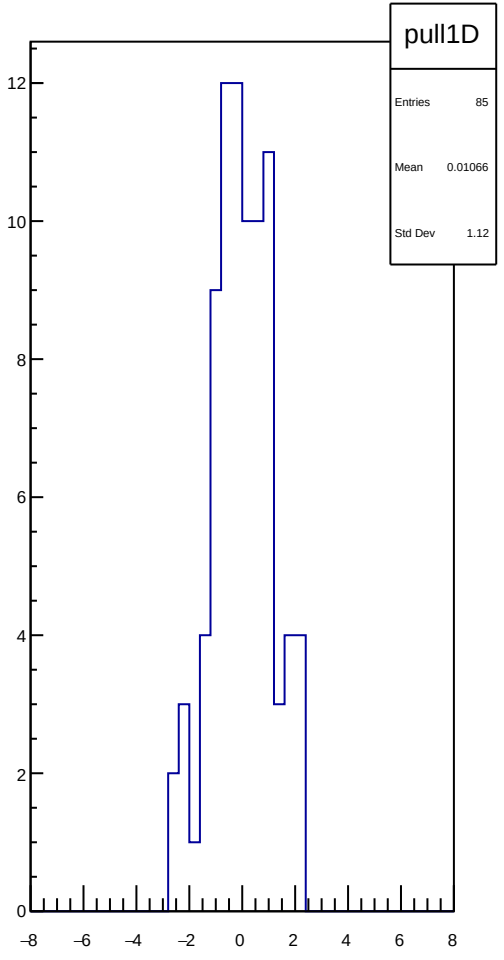

asym_sam_37_dd_rms vs run
χ² / ndf 2.779e+04 / 84
p0 1401 ± 1.105
1900
1800
1700
1600
1500
1400
1300
1200
1100

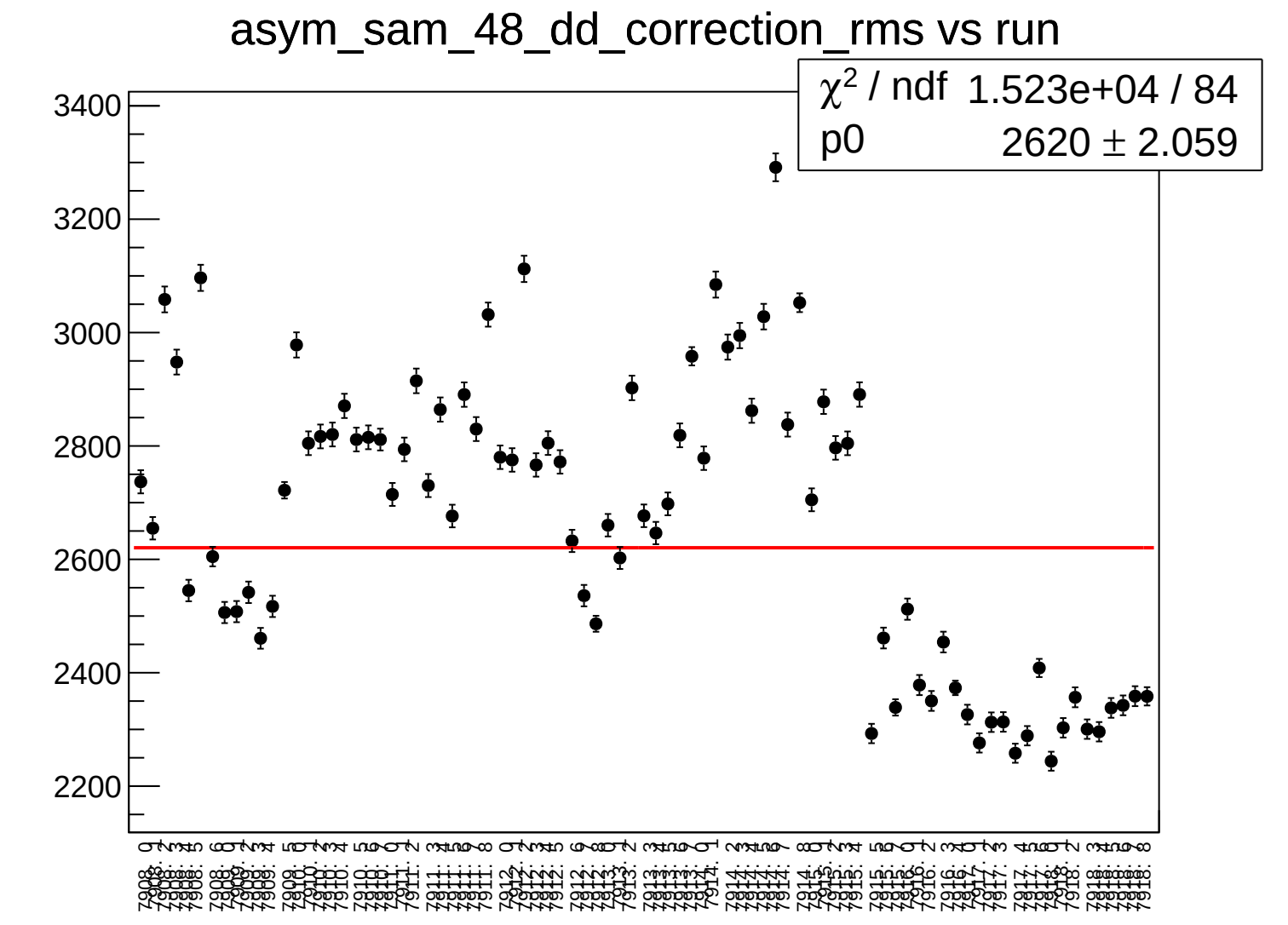

reg_asym_sam_48_dd_mean vs run
χ² / ndf 107.3 / 84
p0 −5.176 ± 213.6
pull
Entries 85
Mean −728
Std Dev 769.3

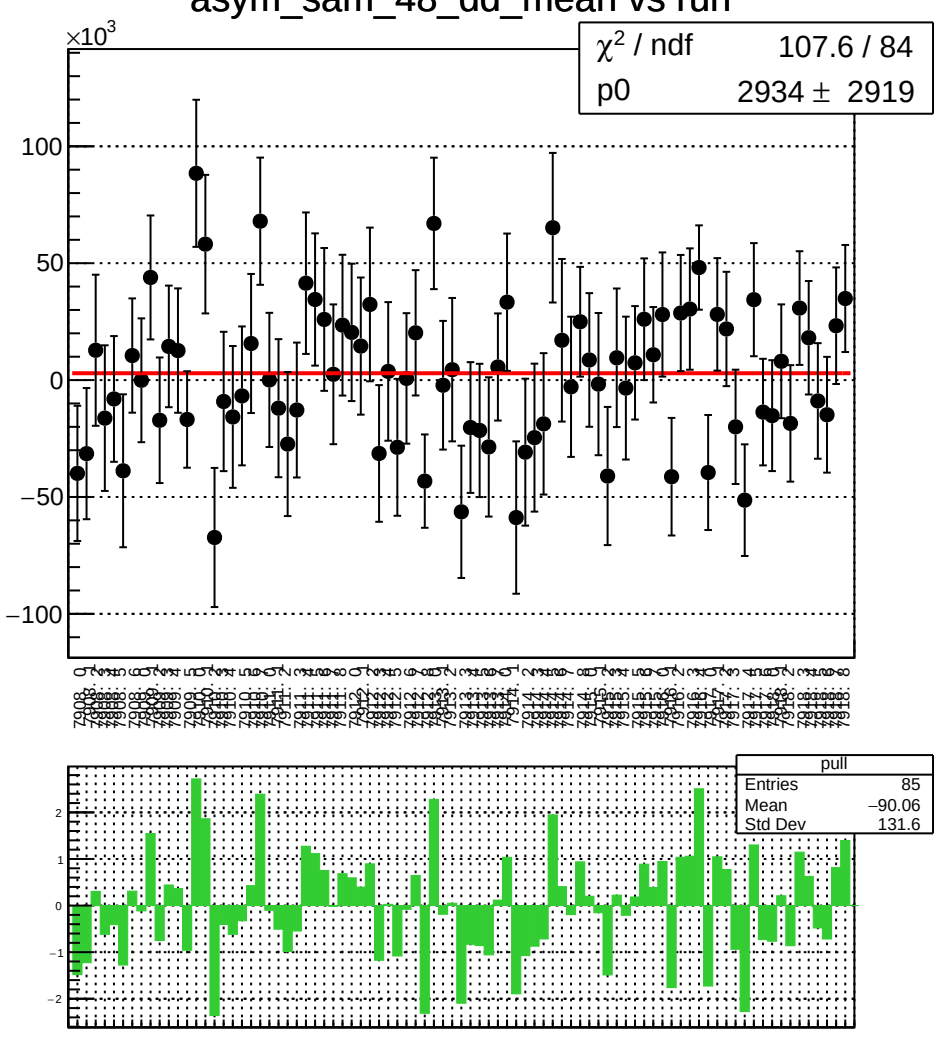

pull1D
Entries 85
Mean −0.00886
Std Dev 1.124

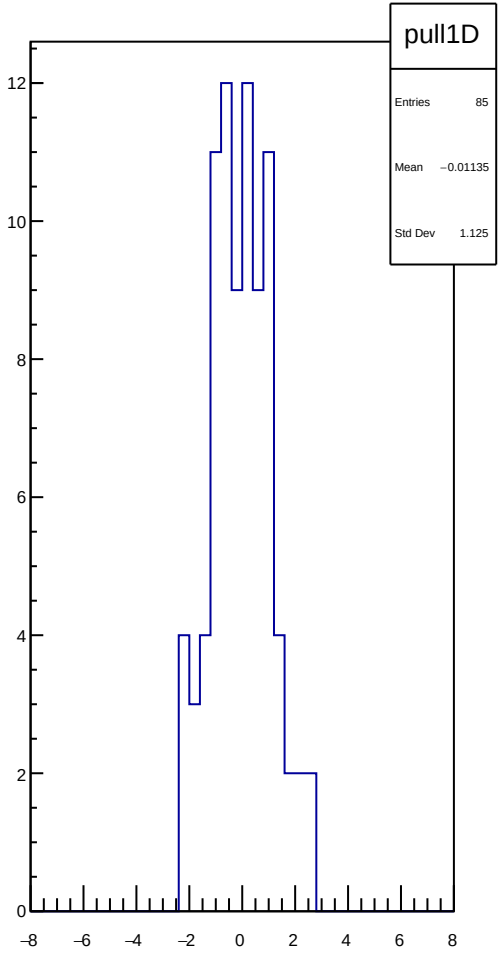

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 9661 / 84
p0 192.5 ± 0.151
280
260
240
220
200
180
160

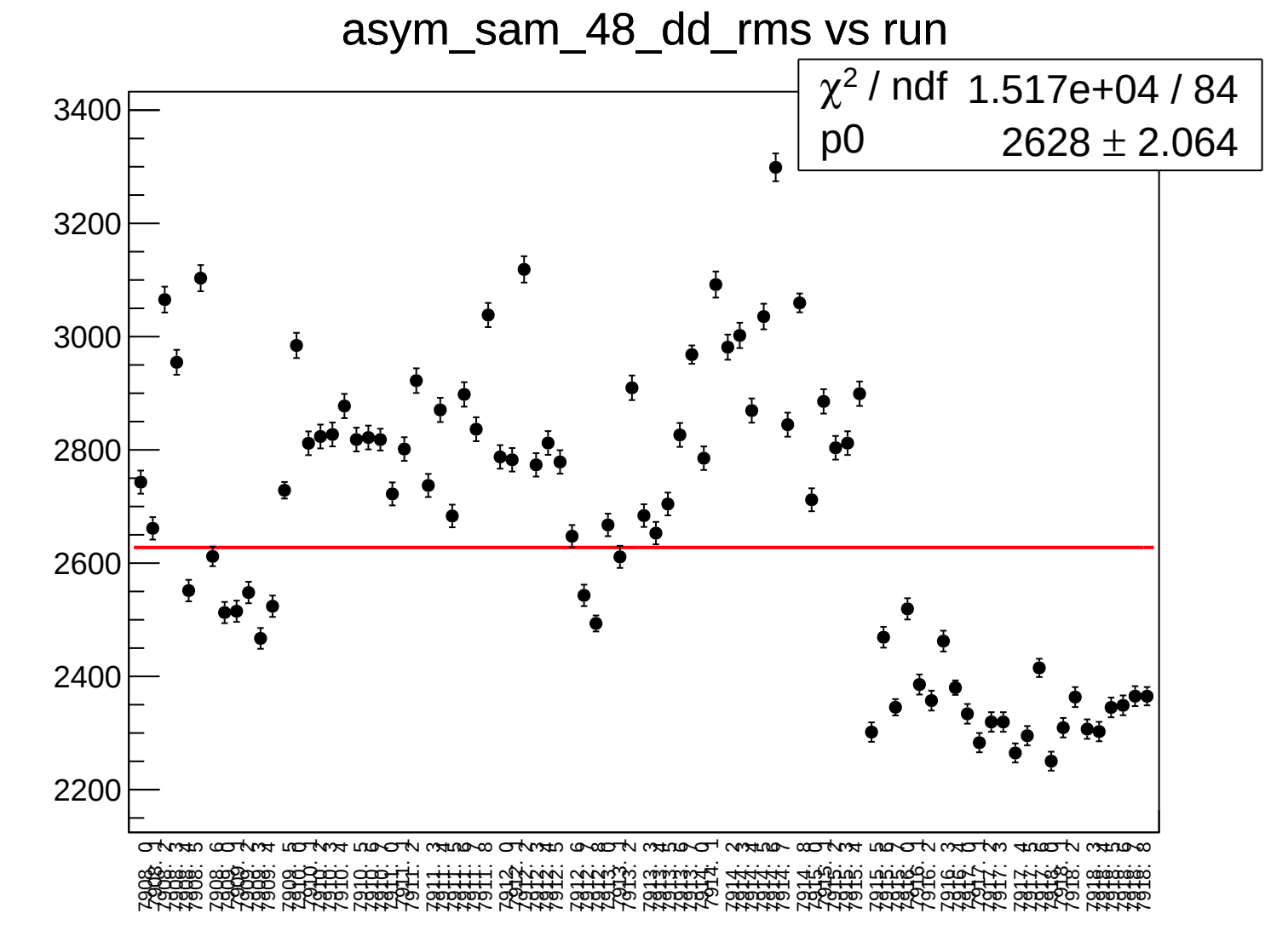

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 106.5 / 84
p0 −2944 ± 2911
100
50
0
−50
−100
pull
Entries 85
Mean −51.76
Std Dev 92.93
2
1
0
−1
−2

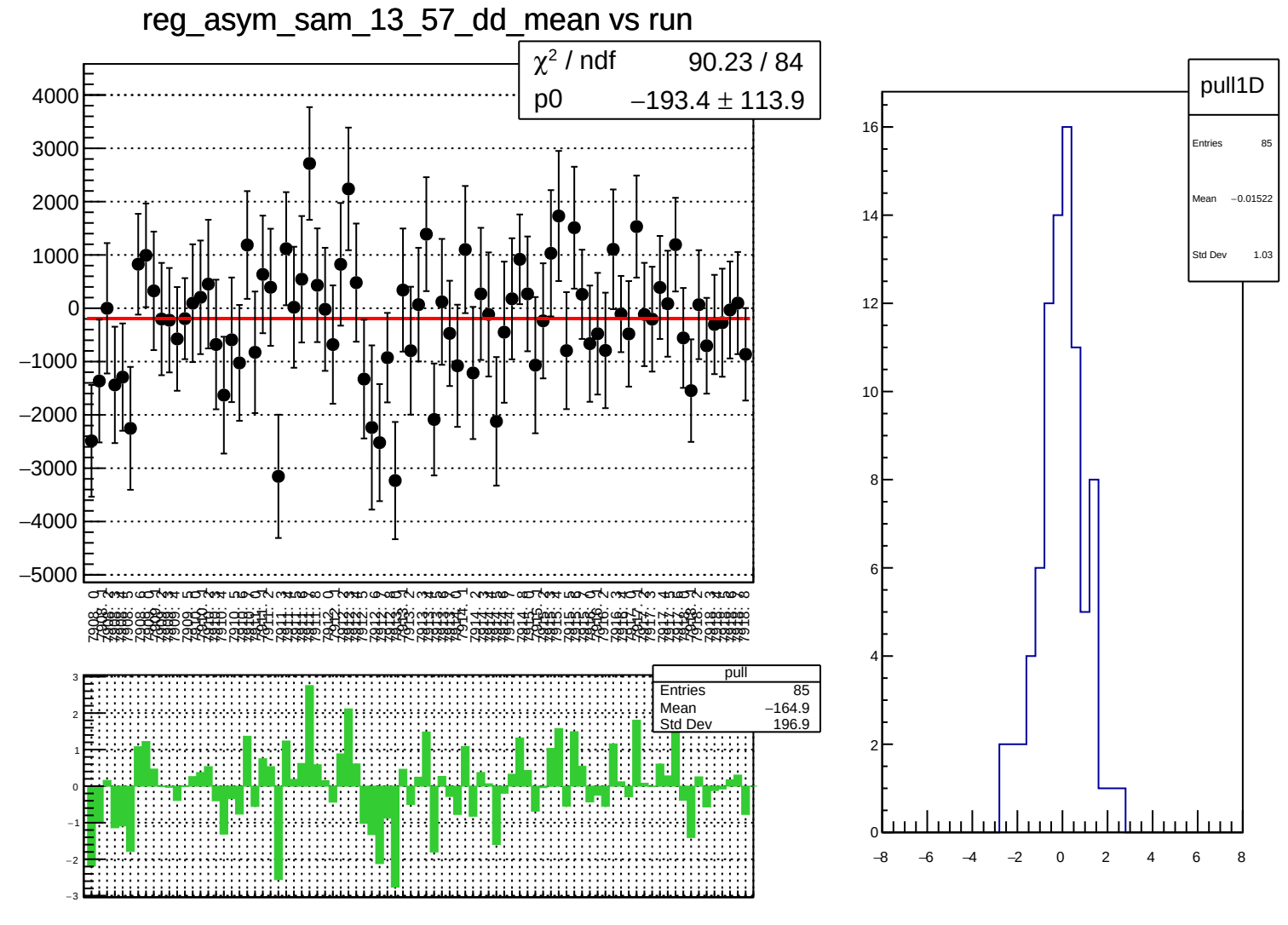

pull1D
Entries 85
Mean 0.01066
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

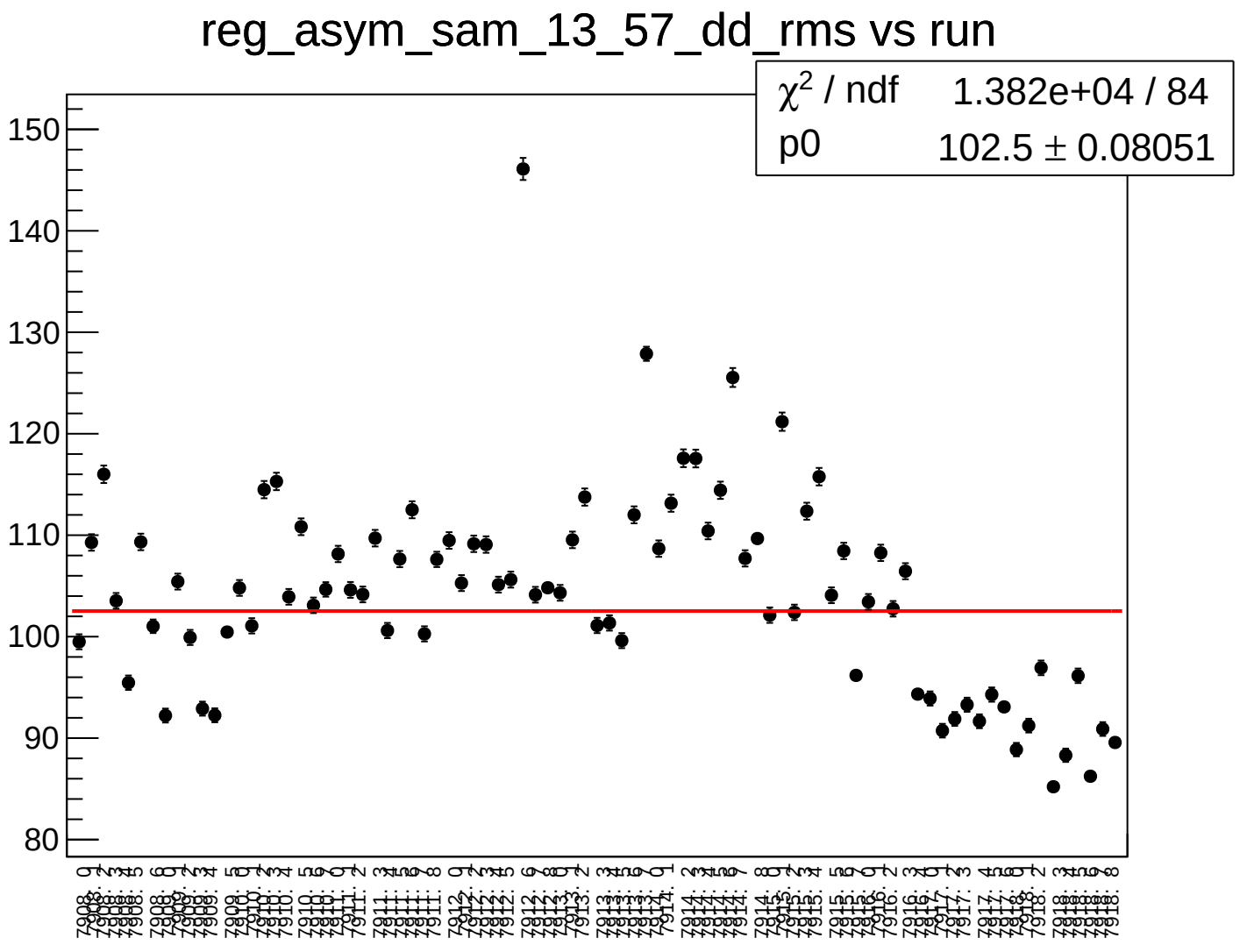

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.523e+04 / 84
p0 2620 ± 2.059
3400
3200
3000
2800
2600
2400
2200

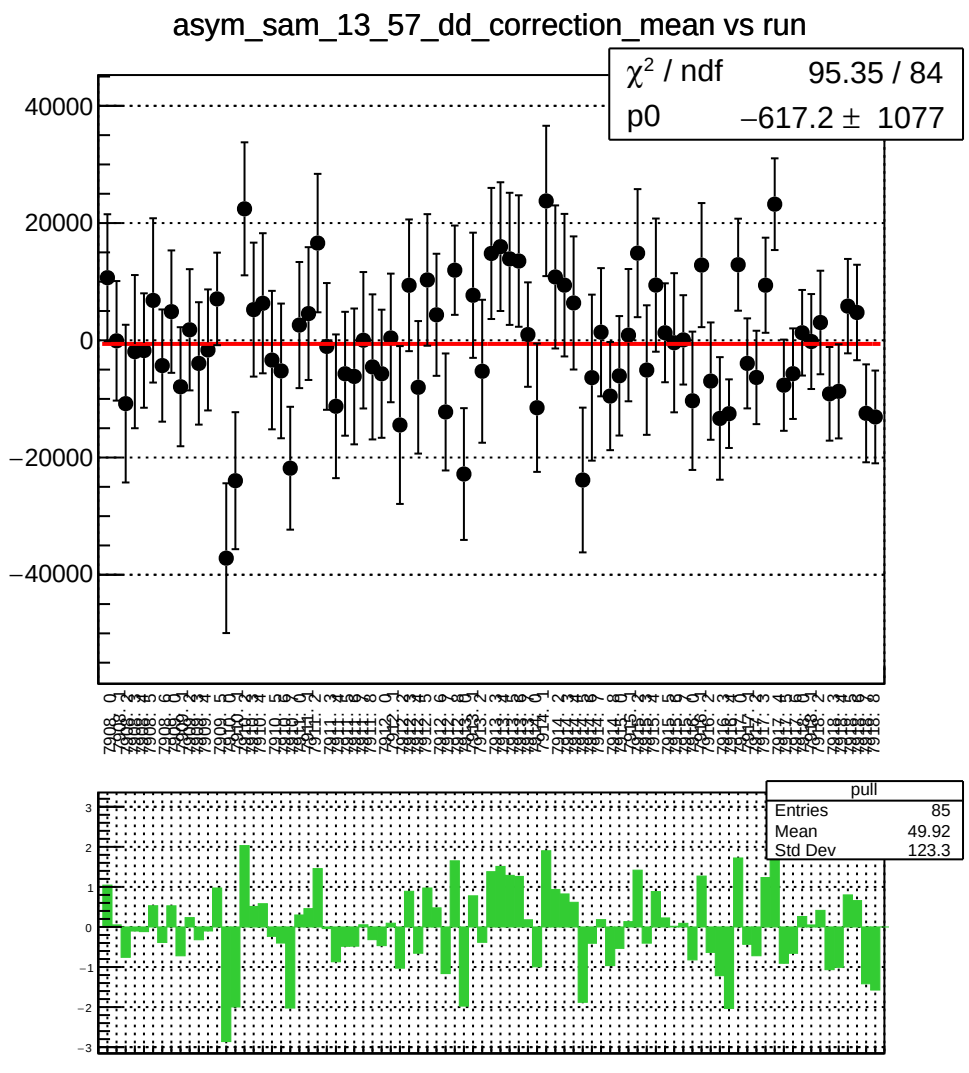

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 107.6 / 84
p0 2934 ± 2919
100
50
0
−50
−100
pull
Entries 85
Mean −90.06
Std Dev 131.6
2
1
0
−1
−2

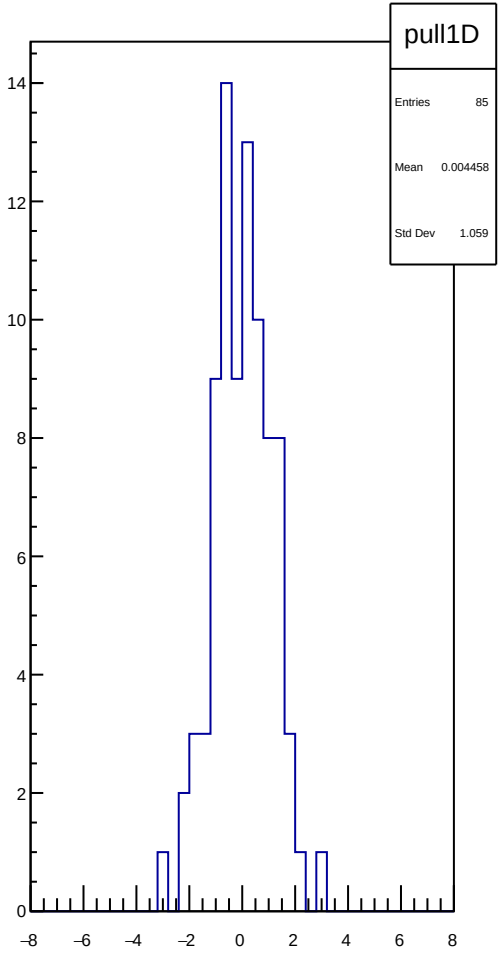

pull1D
Entries 85
Mean −0.01135
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

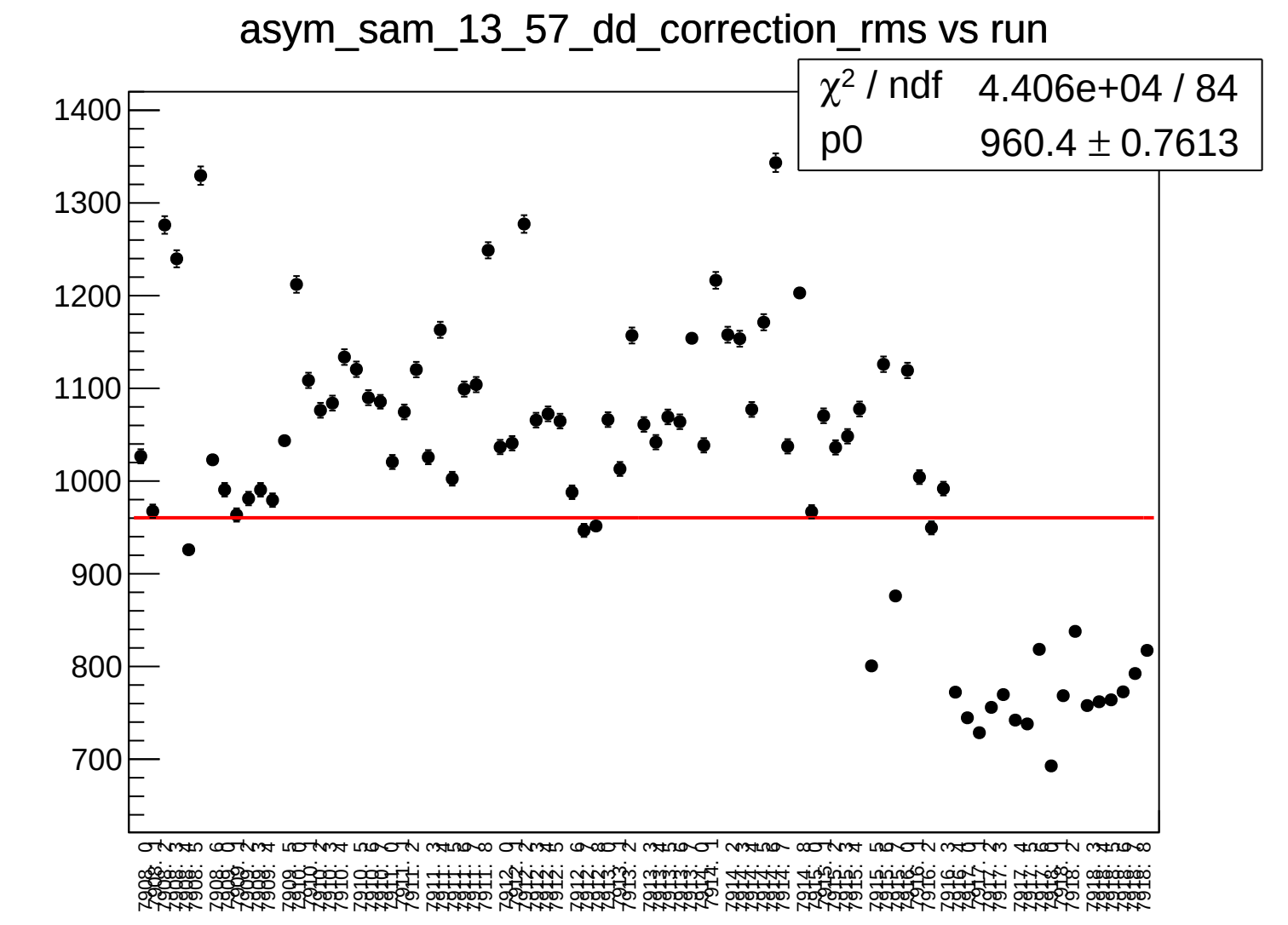

asym_sam_48_dd_rms vs run
χ² / ndf 1.517e+04 / 84
p0 2628 ± 2.064
3400
3200
3000
2800
2600
2400
2200

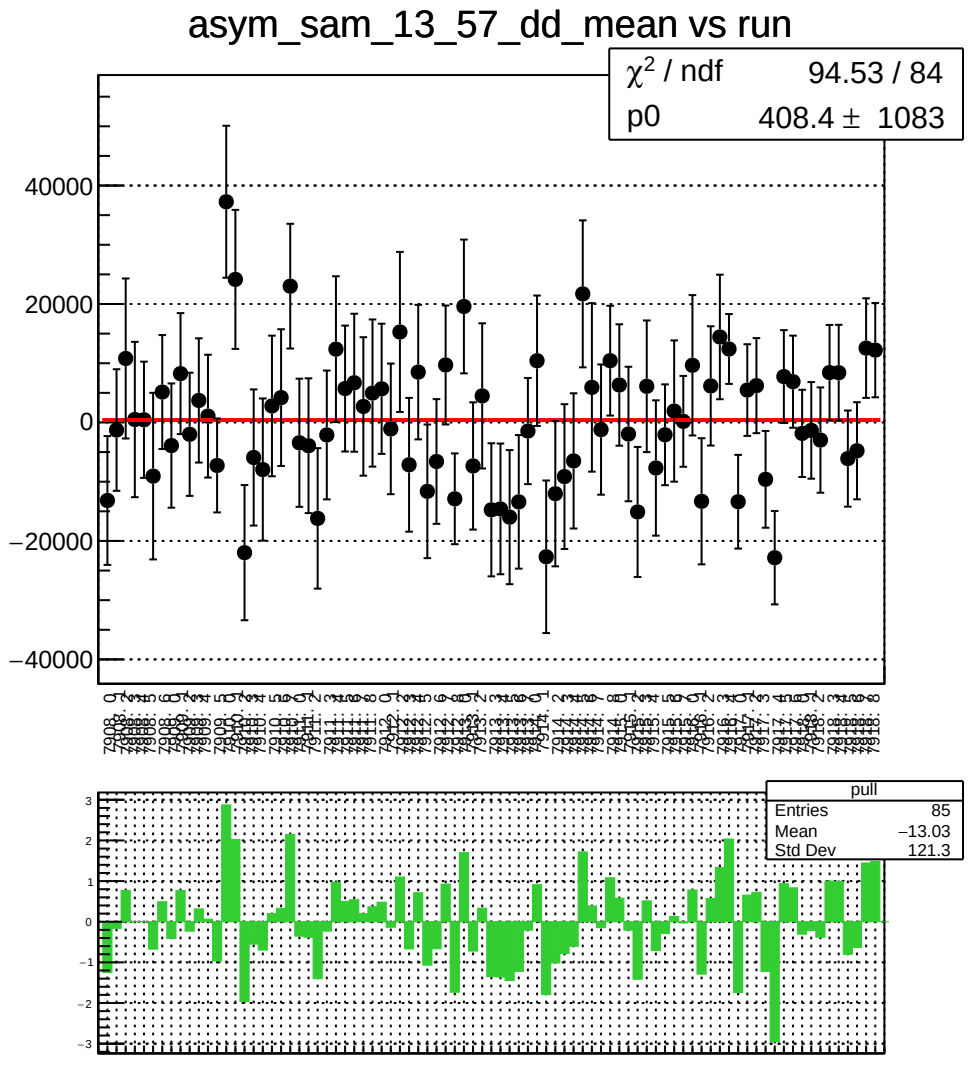

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 90.23 / 84
p0 −193.4 ± 113.9
pull
Entries 85
Mean −164.9
Std Dev 196.9
pull1D
Entries 85
Mean −0.01522
Std Dev 1.03

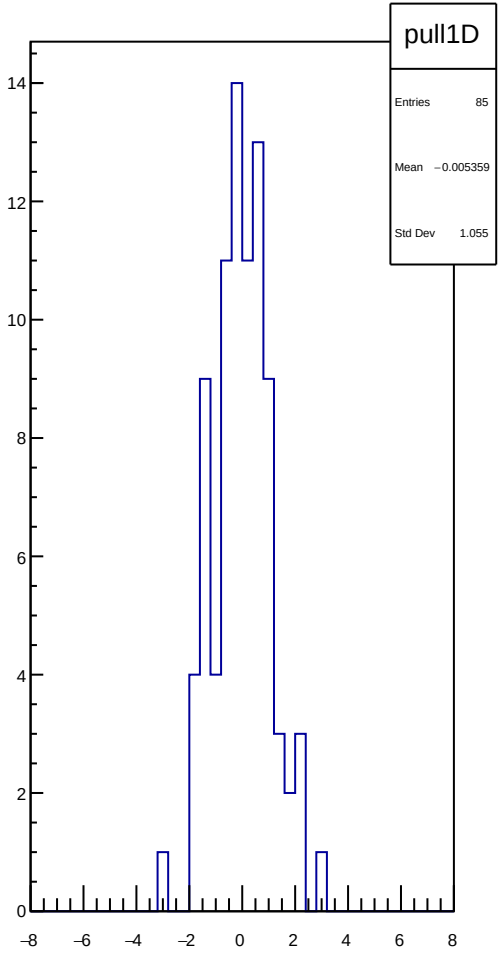

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.382e+04 / 84
p0 102.5 ± 0.08051
150
140
130
120
110
100
90
80

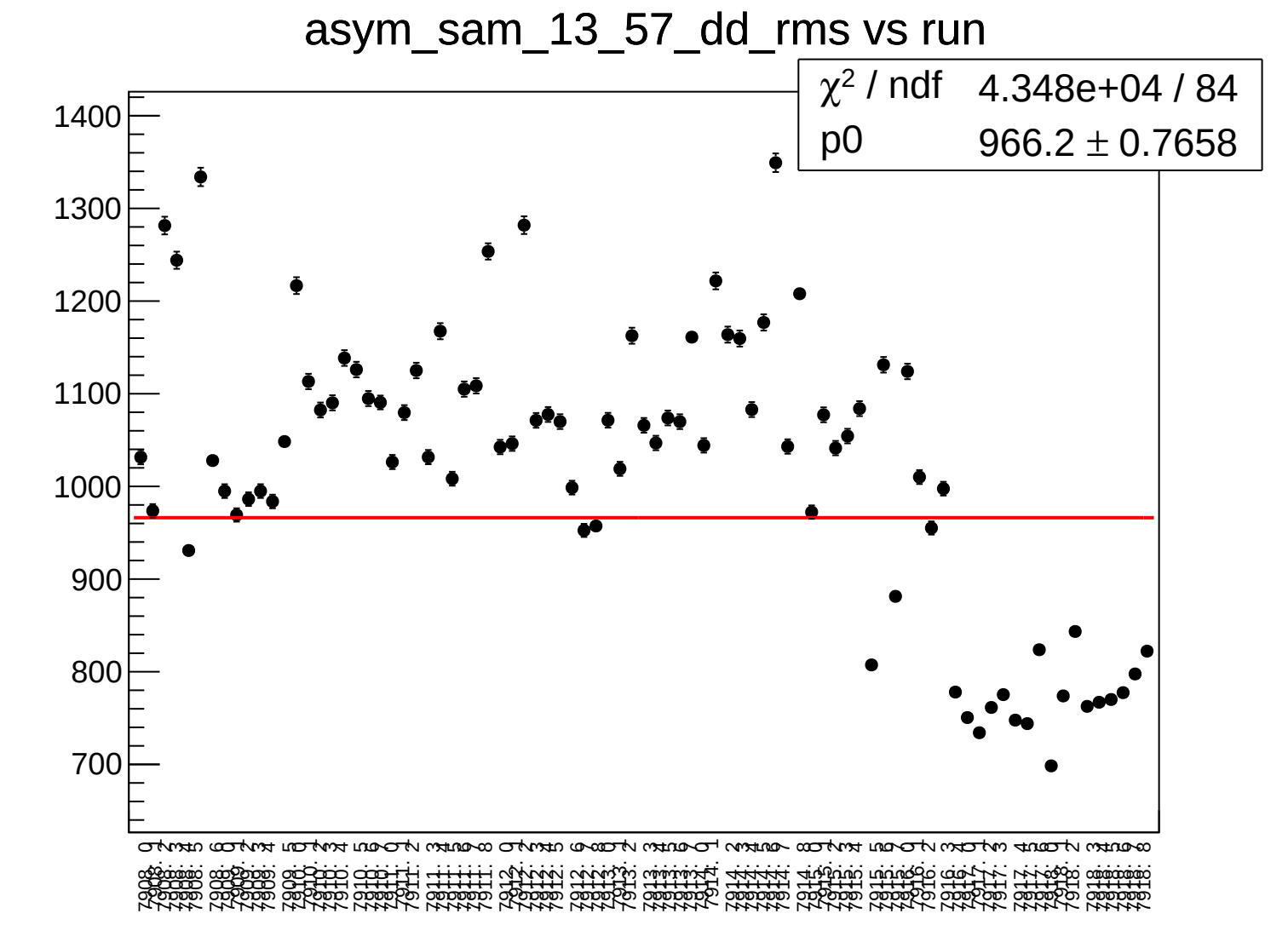

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 95.35 / 84
p0 −617.2 ± 1077
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 49.92
Std Dev 123.3
3
2
1
0
−1
−2
−3

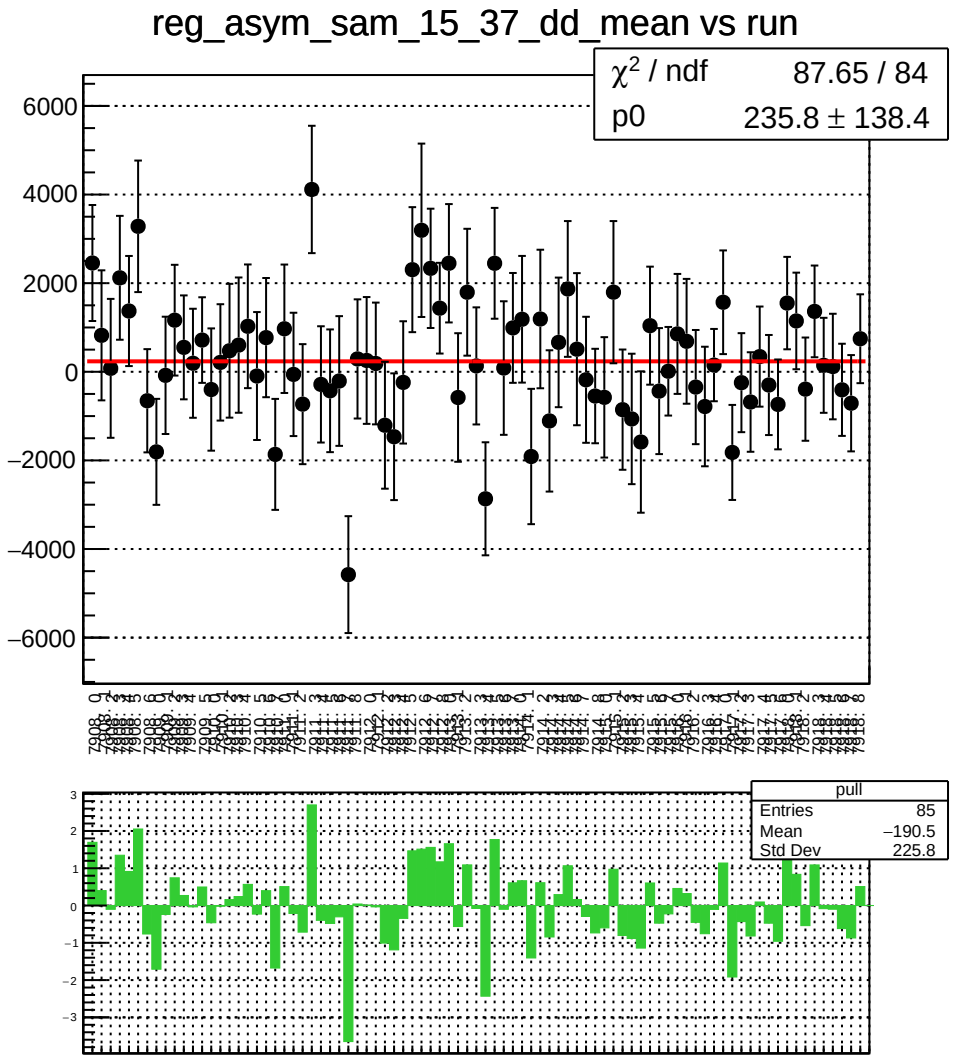

pull1D
Entries 85
Mean 0.004458
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

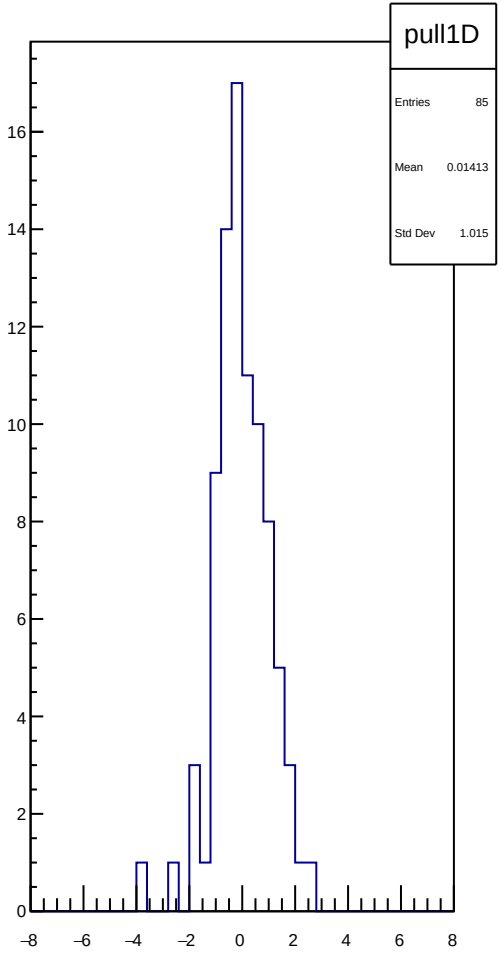

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4.406e+04 / 84
p0 960.4 ± 0.7613
1400
1300
1200
1100
1000
900
800
700

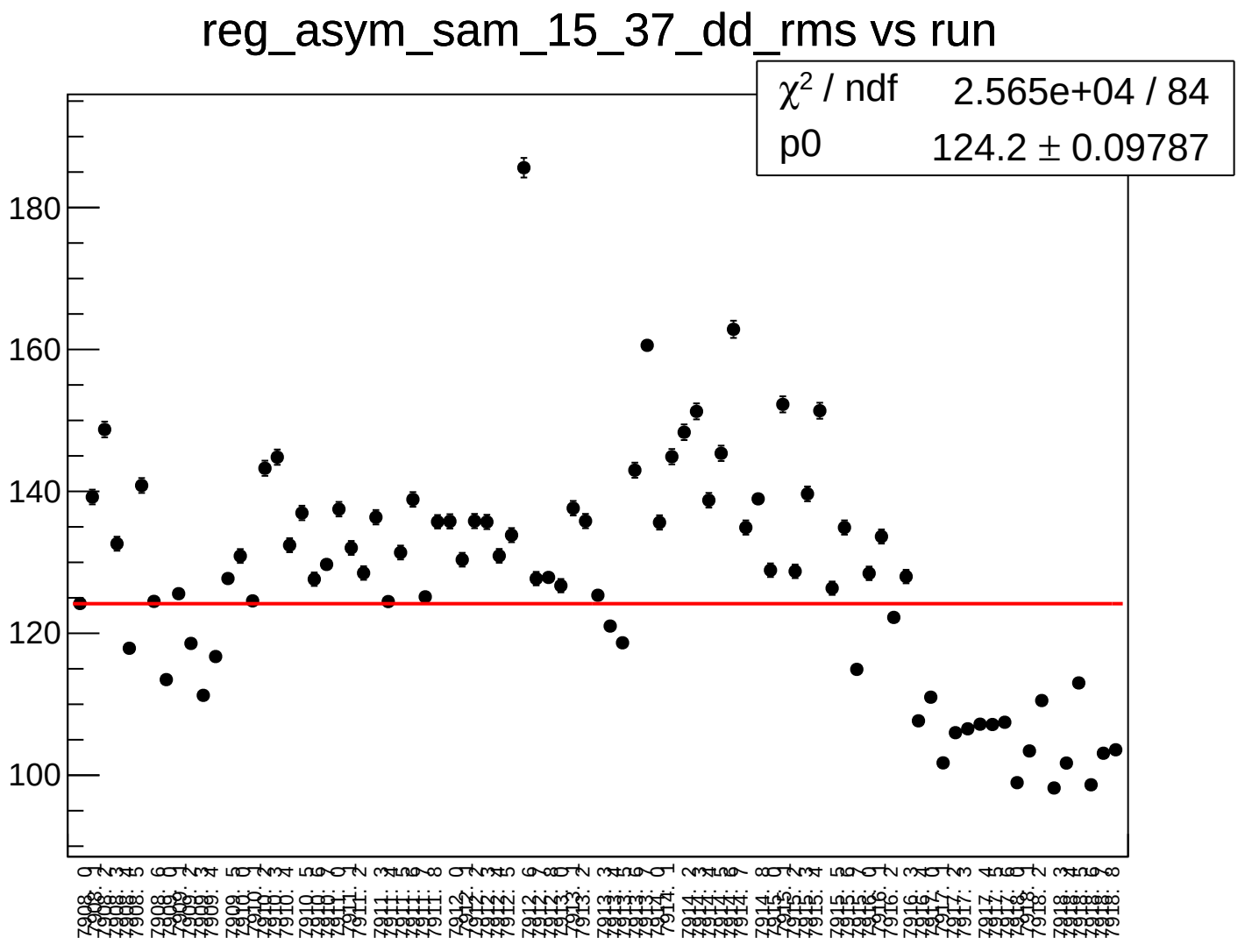

asym_sam_13_57_dd_mean vs run
χ² / ndf 94.53 / 84
p0 408.4 ± 1083
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −13.03
Std Dev 121.3
3
2
1
0
−1
−2
−3

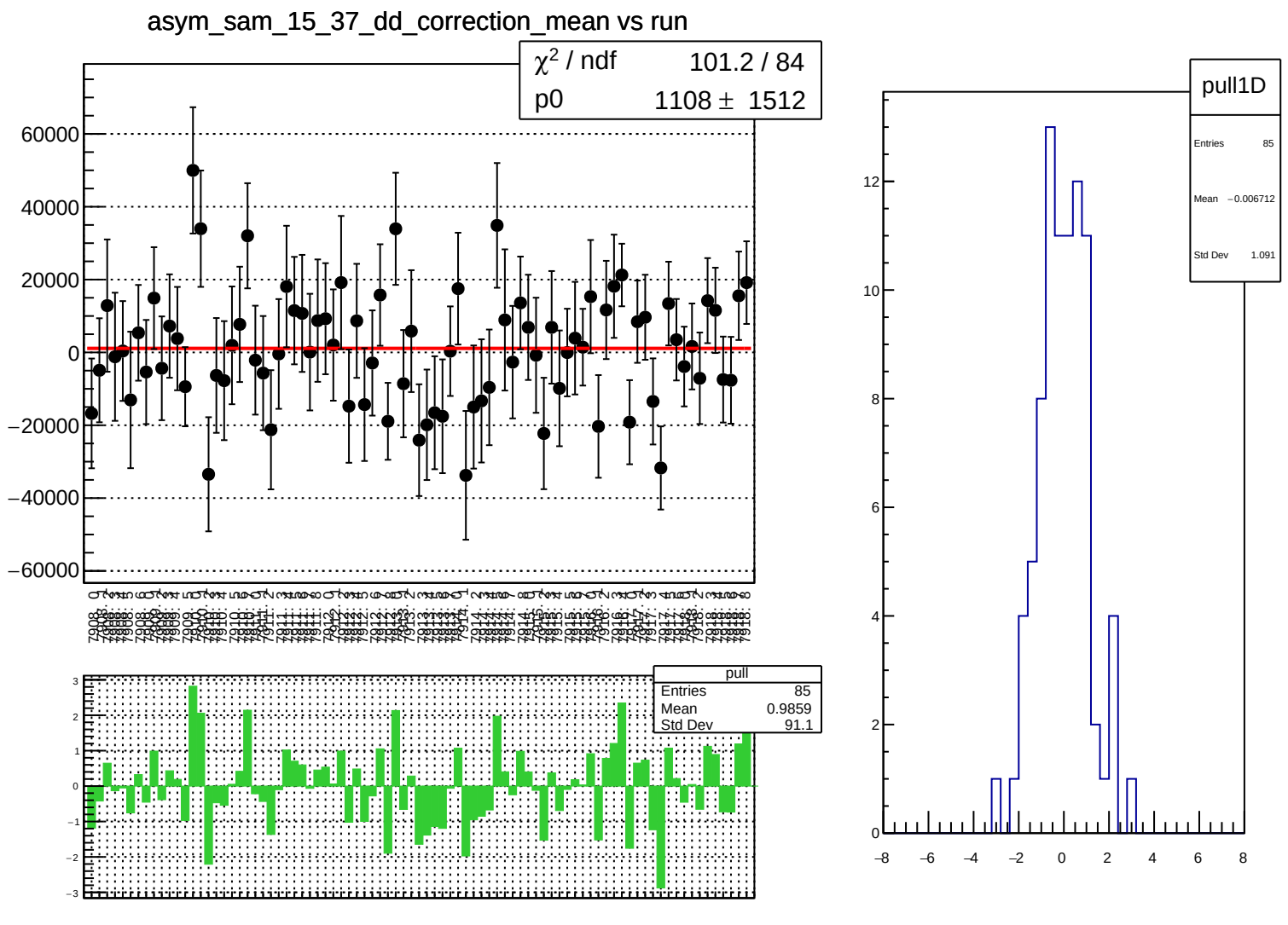

pull1D
Entries 85
Mean −0.005359
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

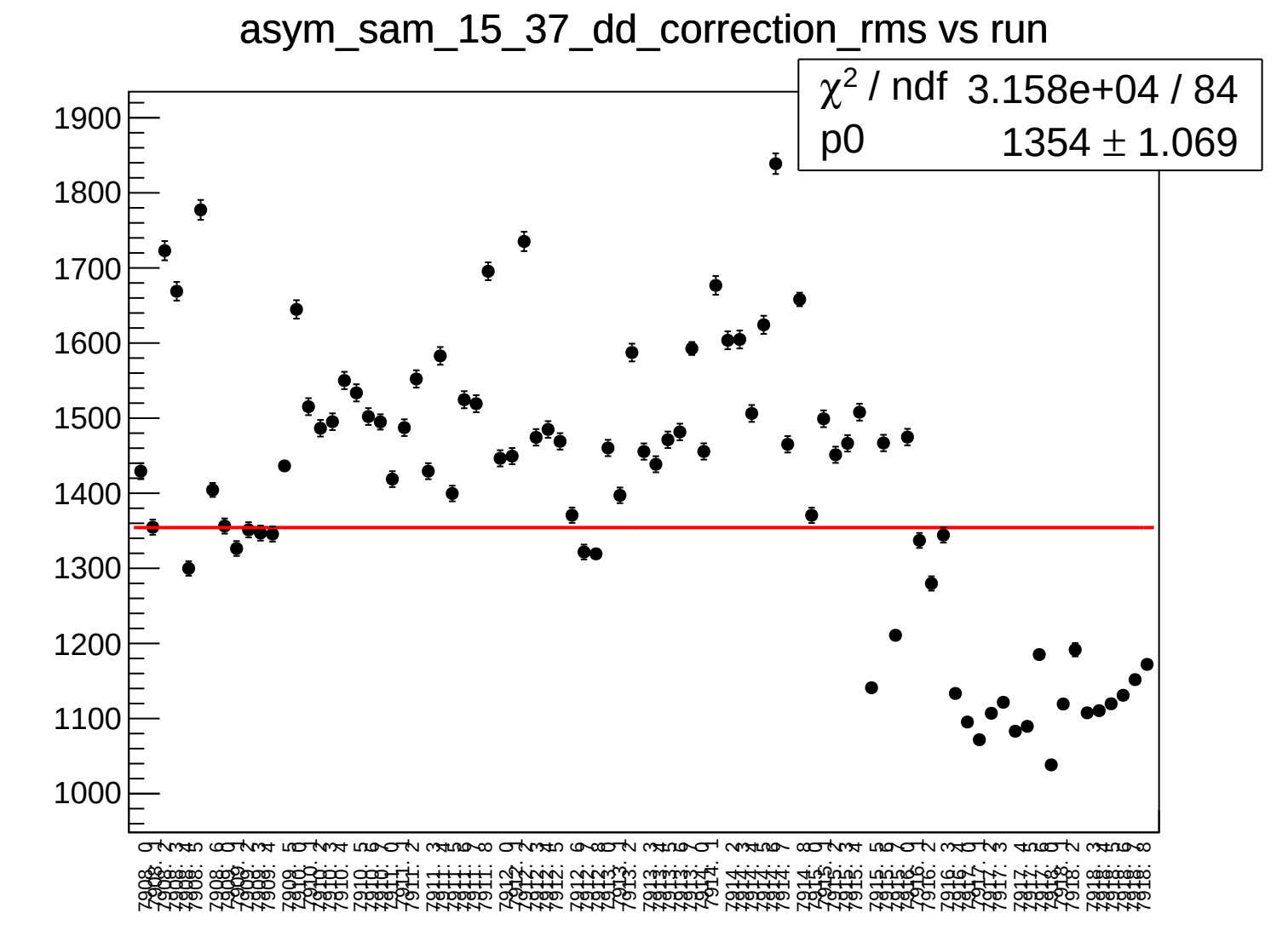

asym_sam_13_57_dd_rms vs run
χ² / ndf 4.348e+04 / 84
p0 966.2 ± 0.7658
1400
1300
1200
1100
1000
900
800
700

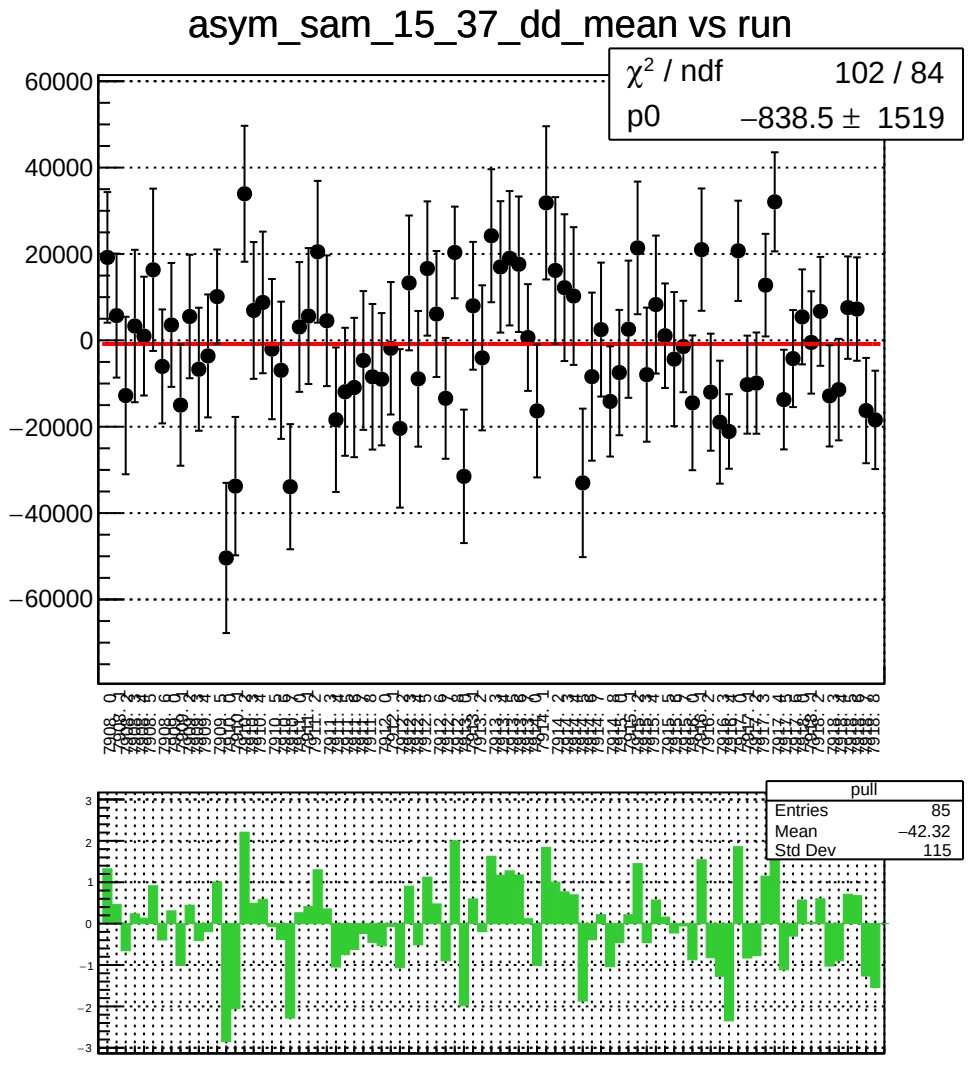

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 87.65 / 84
p0 235.8 ± 138.4
pull
Entries 85
Mean −190.5
Std Dev 225.8

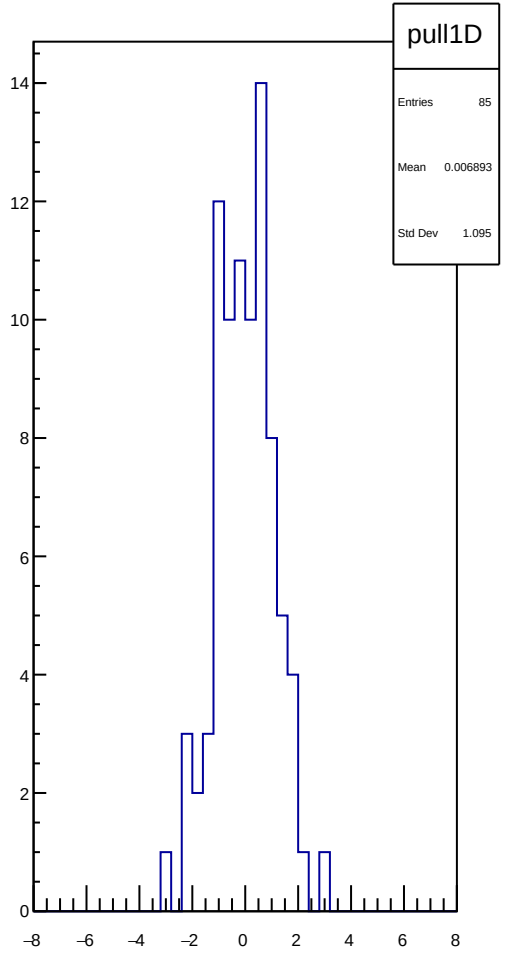

pull1D
Entries 85
Mean 0.01413
Std Dev 1.015

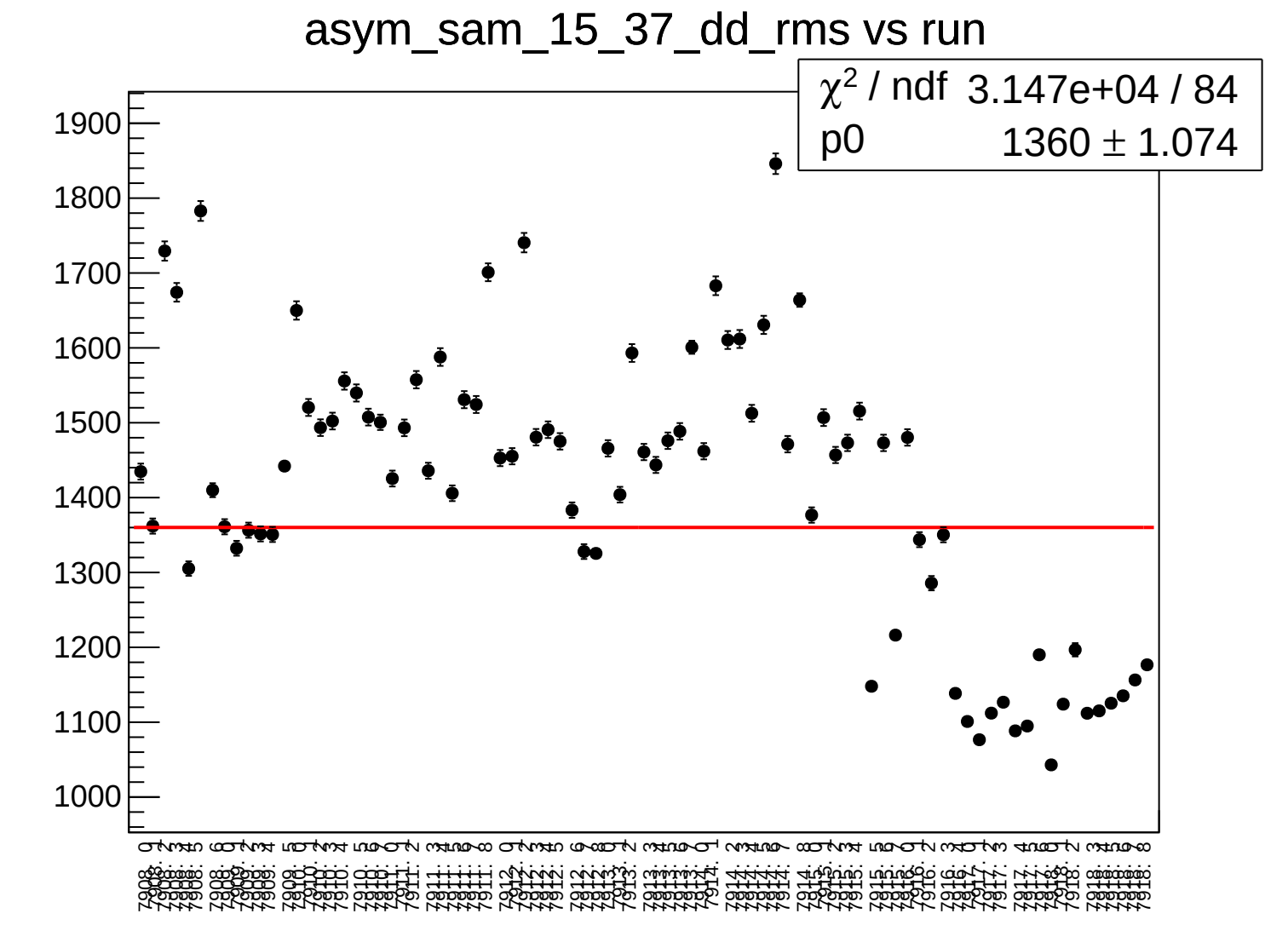

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.565e+04 / 84
p0 124.2 ± 0.09787
180
160
140
120
100

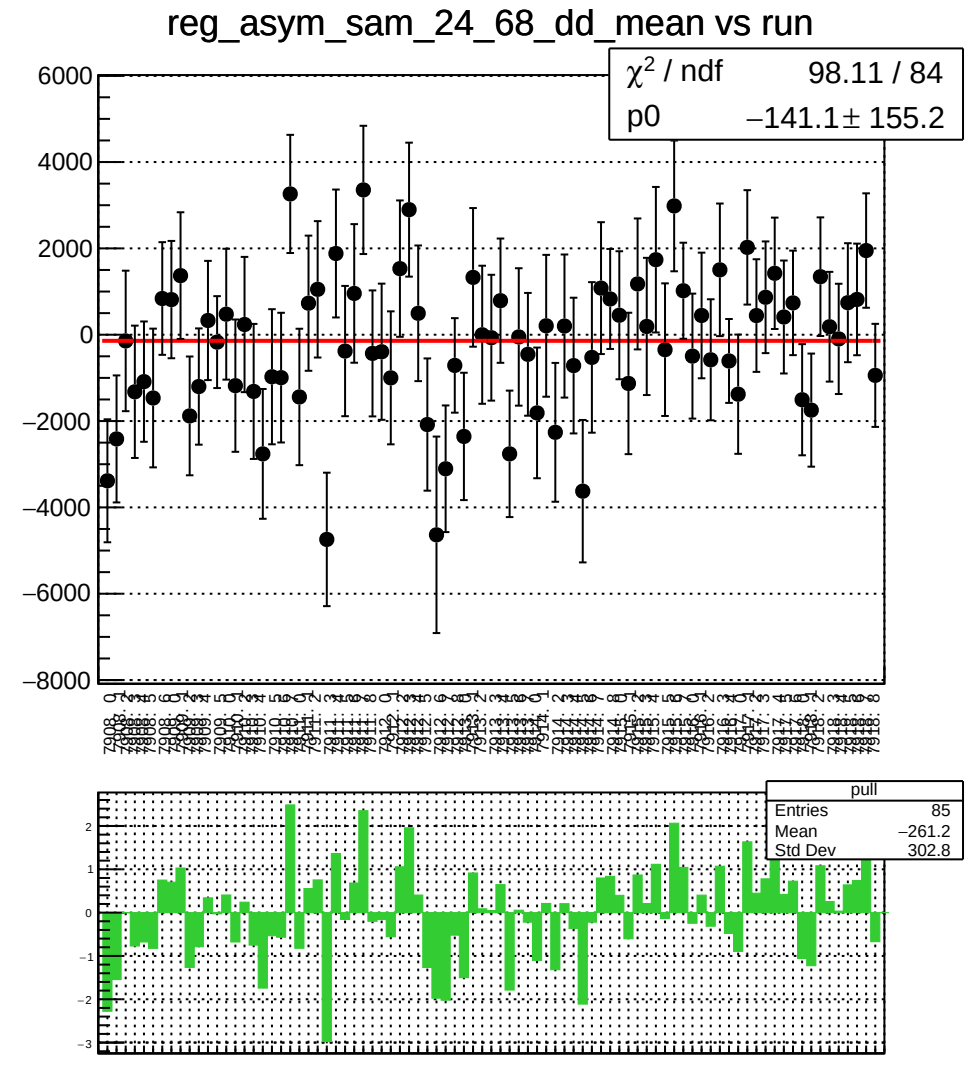

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 101.2 / 84
p0 1108 ± 1512
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 0.9859
Std Dev 91.1
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.006712
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

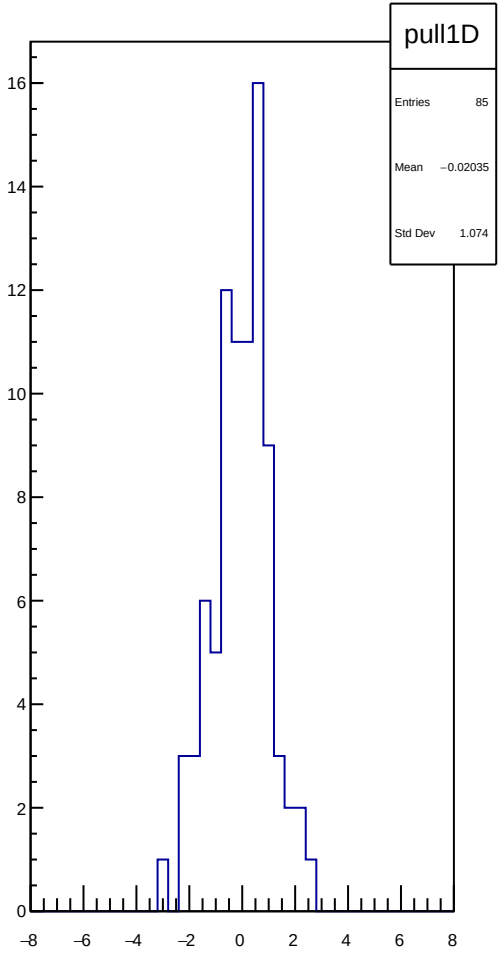

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3.158e+04 / 84
p0 1354 ± 1.069
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

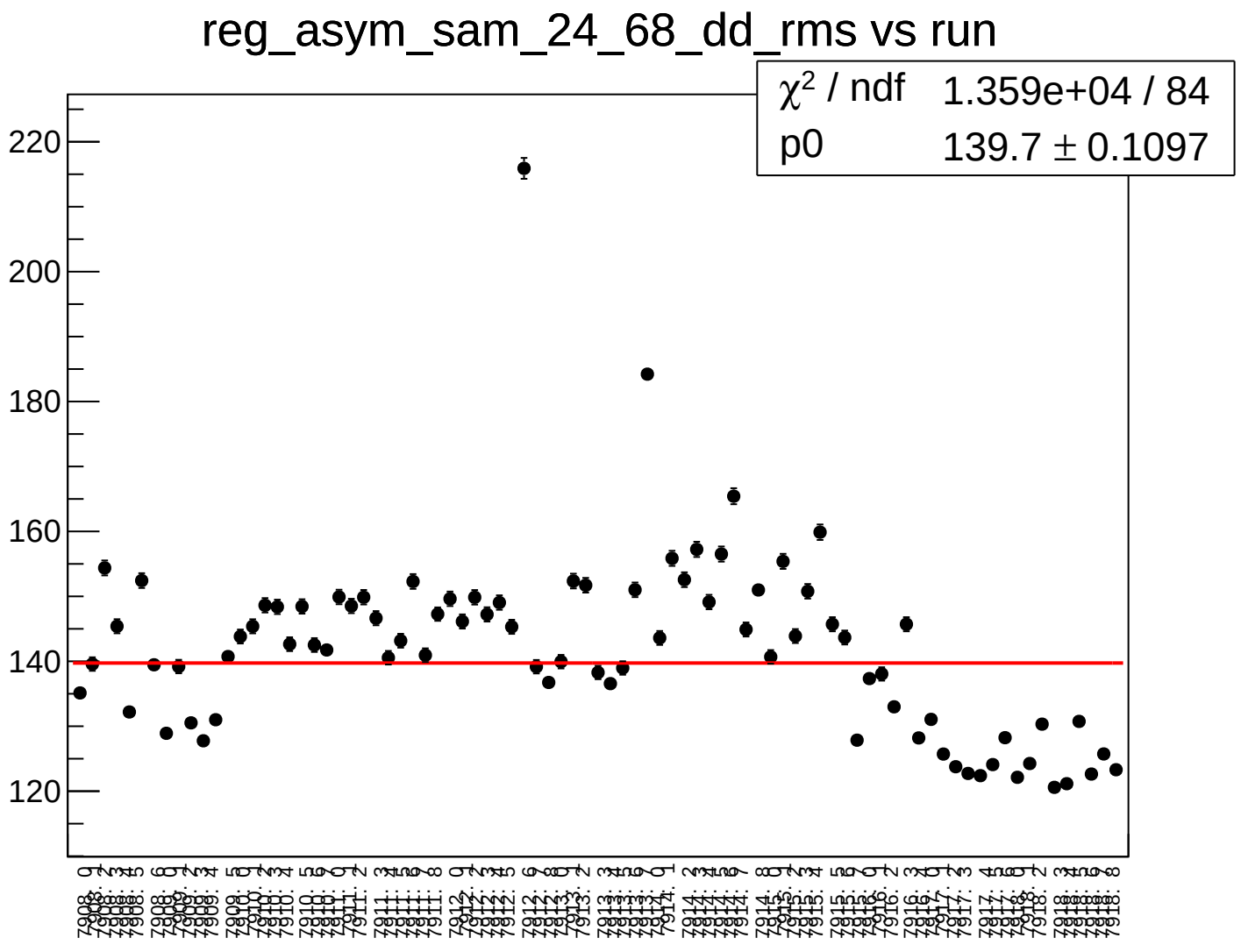

asym_sam_15_37_dd_mean vs run
χ² / ndf 102 / 84
p0 −838.5 ± 1519
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −42.32
Std Dev 115
3
2
1
0
−1
−2
−3

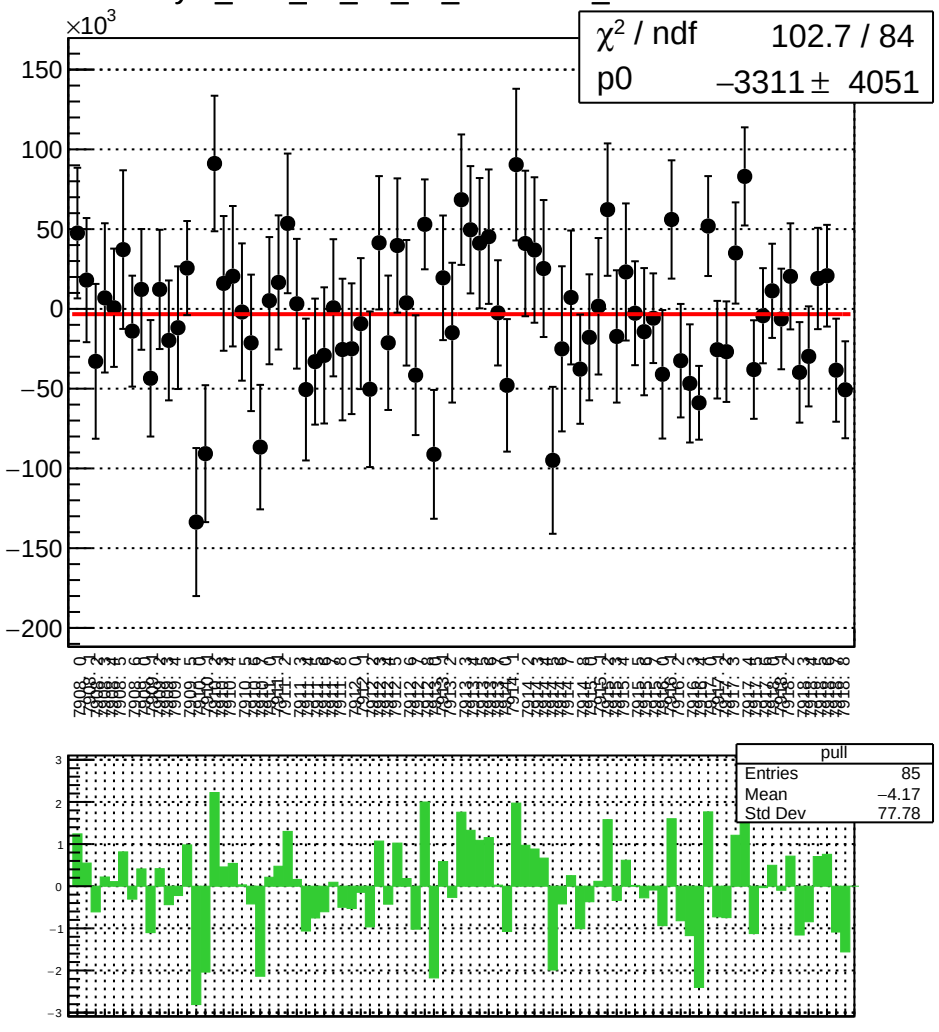

pull1D
Entries 85
Mean 0.006893
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

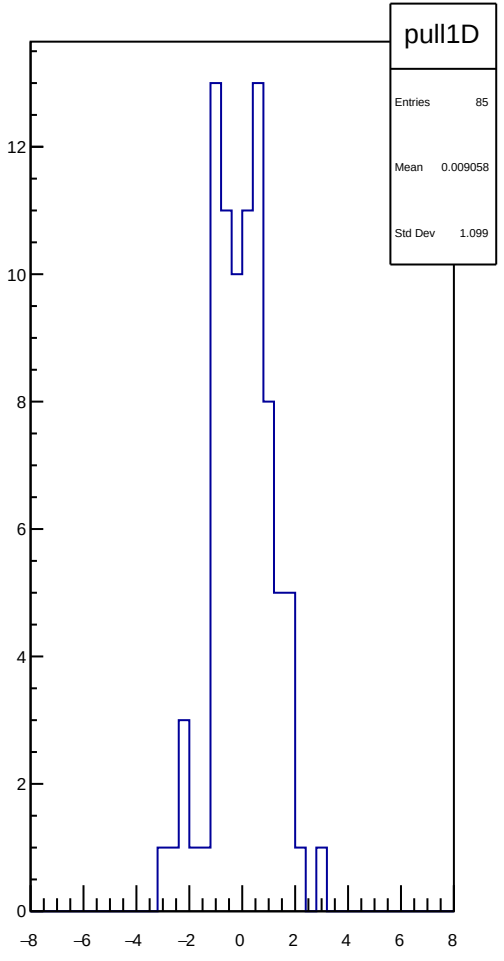

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3.147e+04 / 84
p0 1360 ± 1.074
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

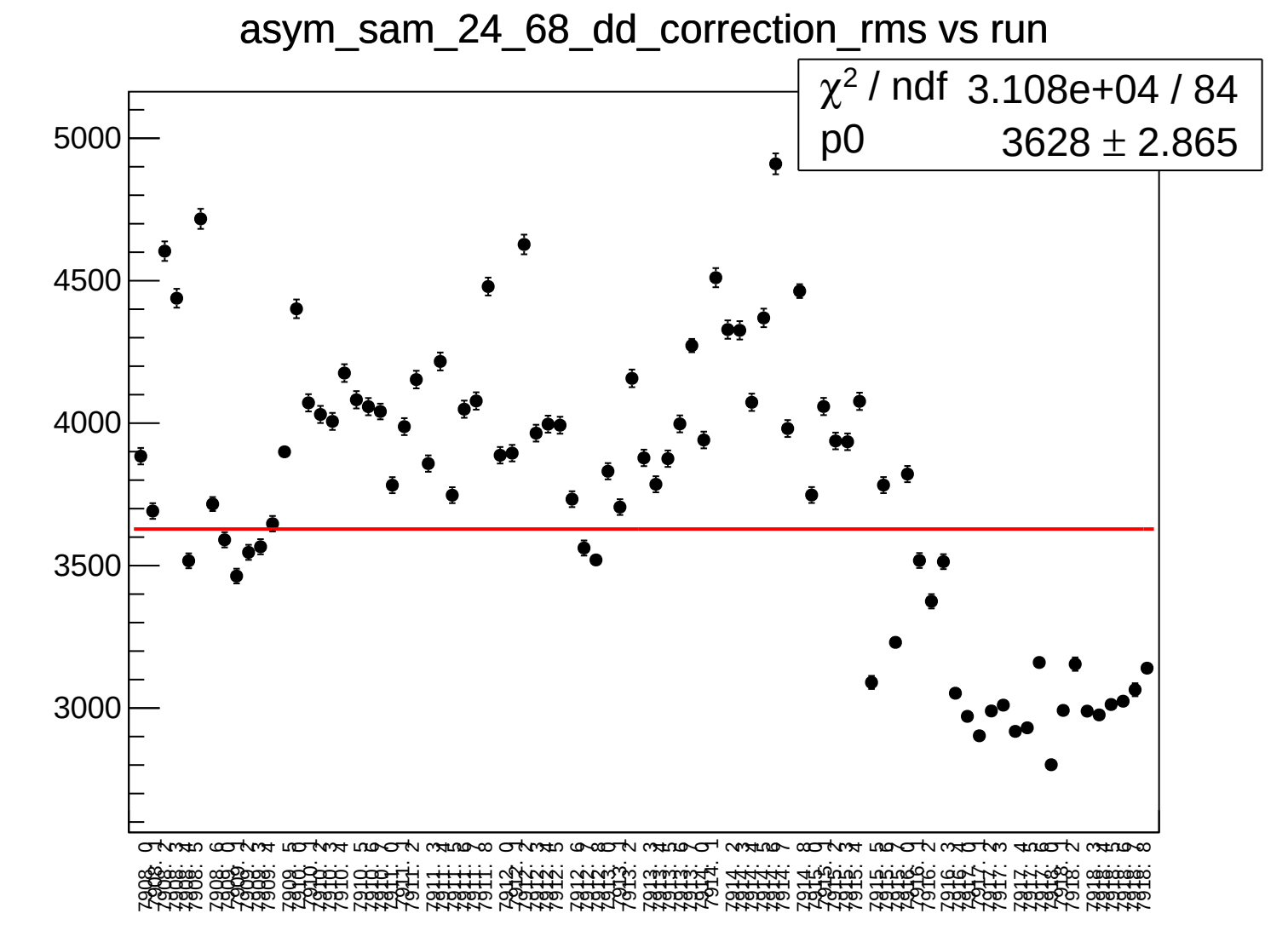

reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 98.11 / 84
p0 −141.1± 155.2
pull
Entries 85
Mean −261.2
Std Dev 302.8

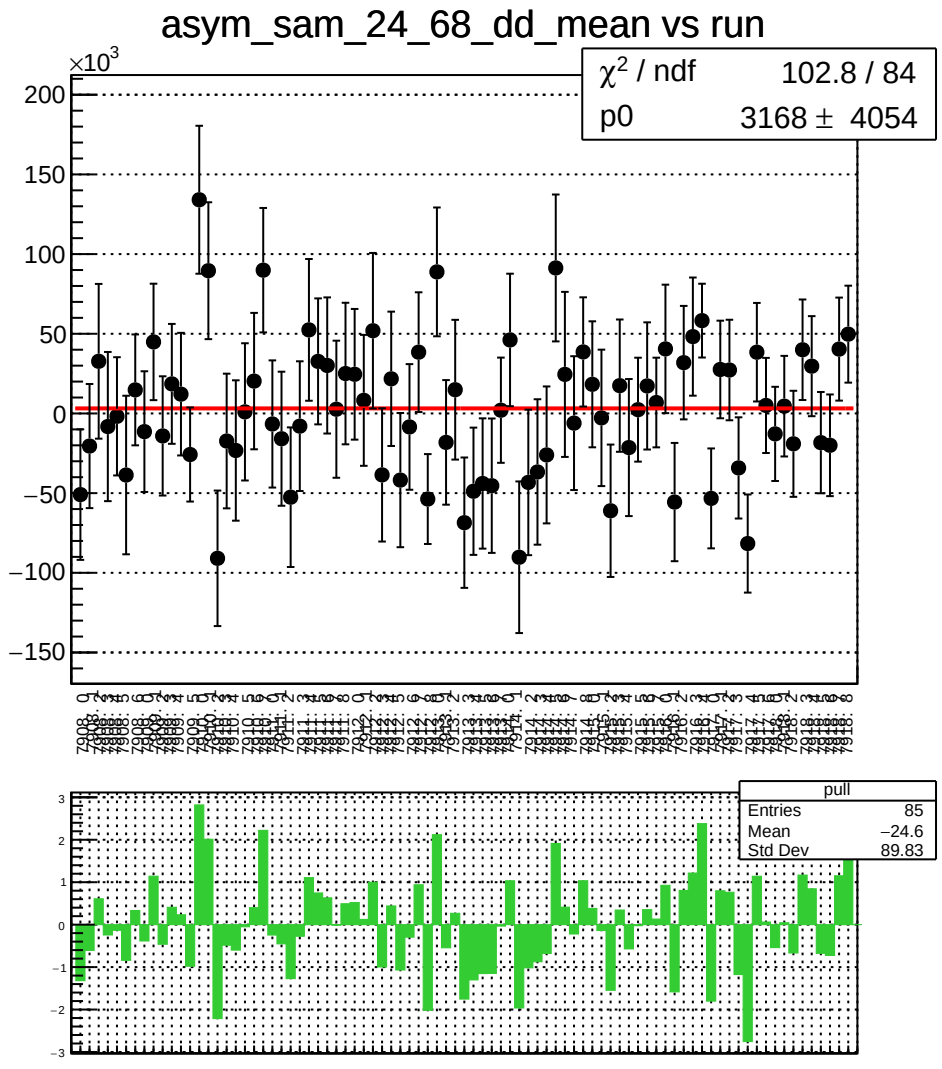

pull1D
Entries 85
Mean −0.02035
Std Dev 1.074

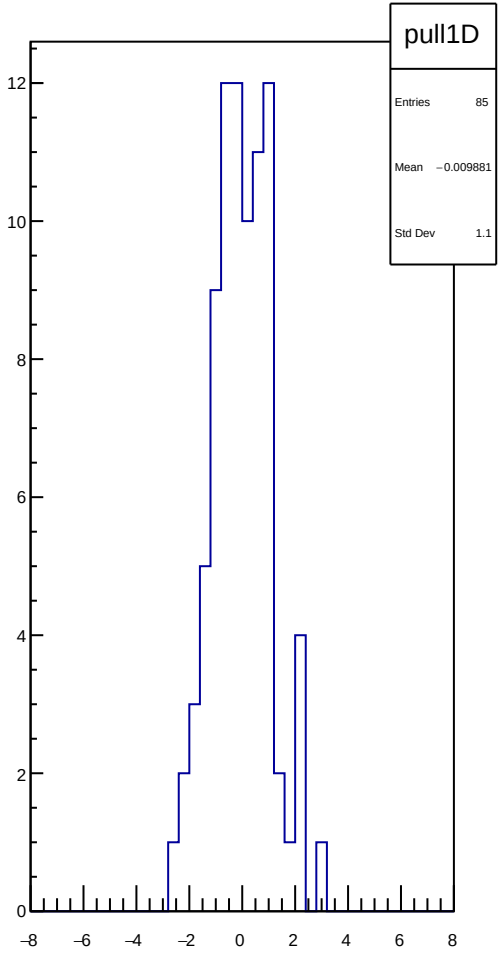

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.359e+04 / 84
p0 139.7 ± 0.1097
220
200
180
160
140
120

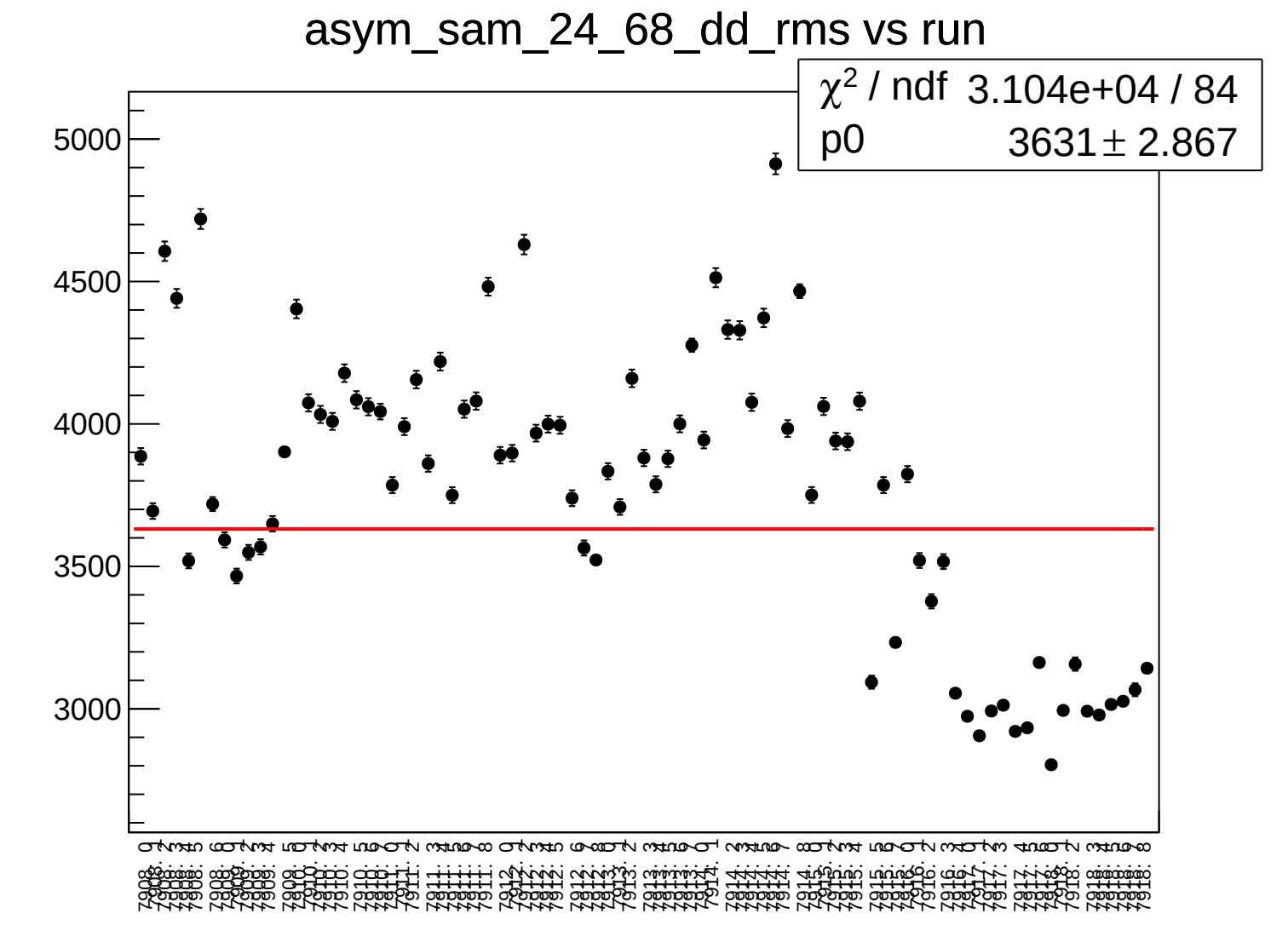

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ^2 / ndf 102.7 / 84
p0 −3311 ± 4051
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −4.17
Std Dev 77.78
3
2
1
0
−1
−2
−3

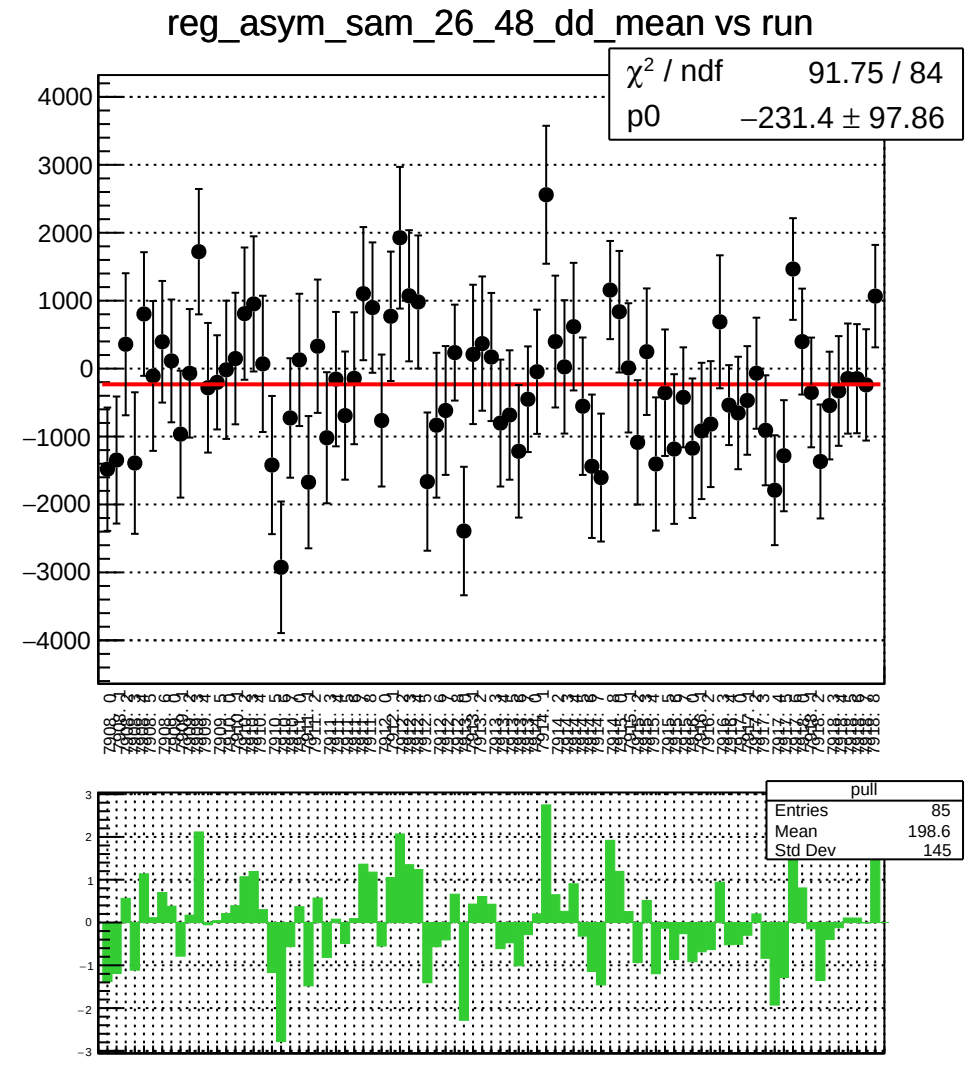

pull1D
Entries 85
Mean 0.009058
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

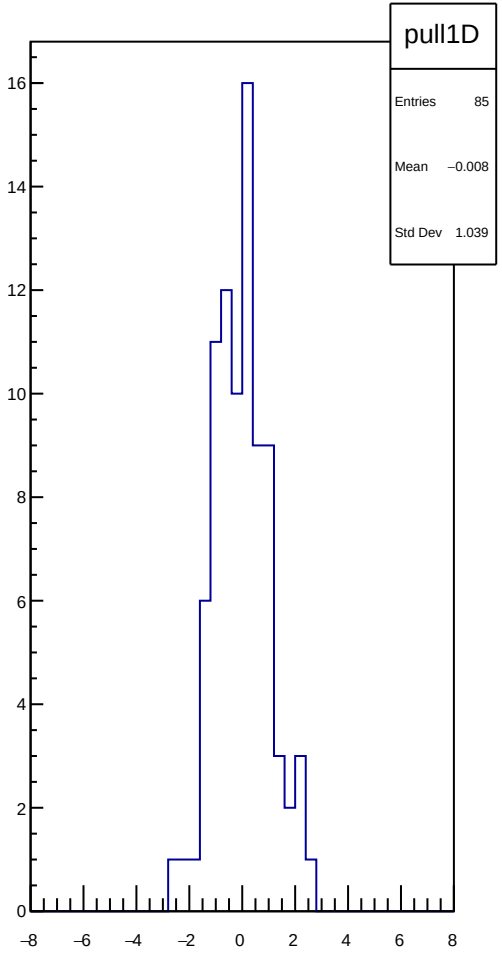

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3.108e+04 / 84
p0 3628 ± 2.865
5000
4500
4000
3500
3000

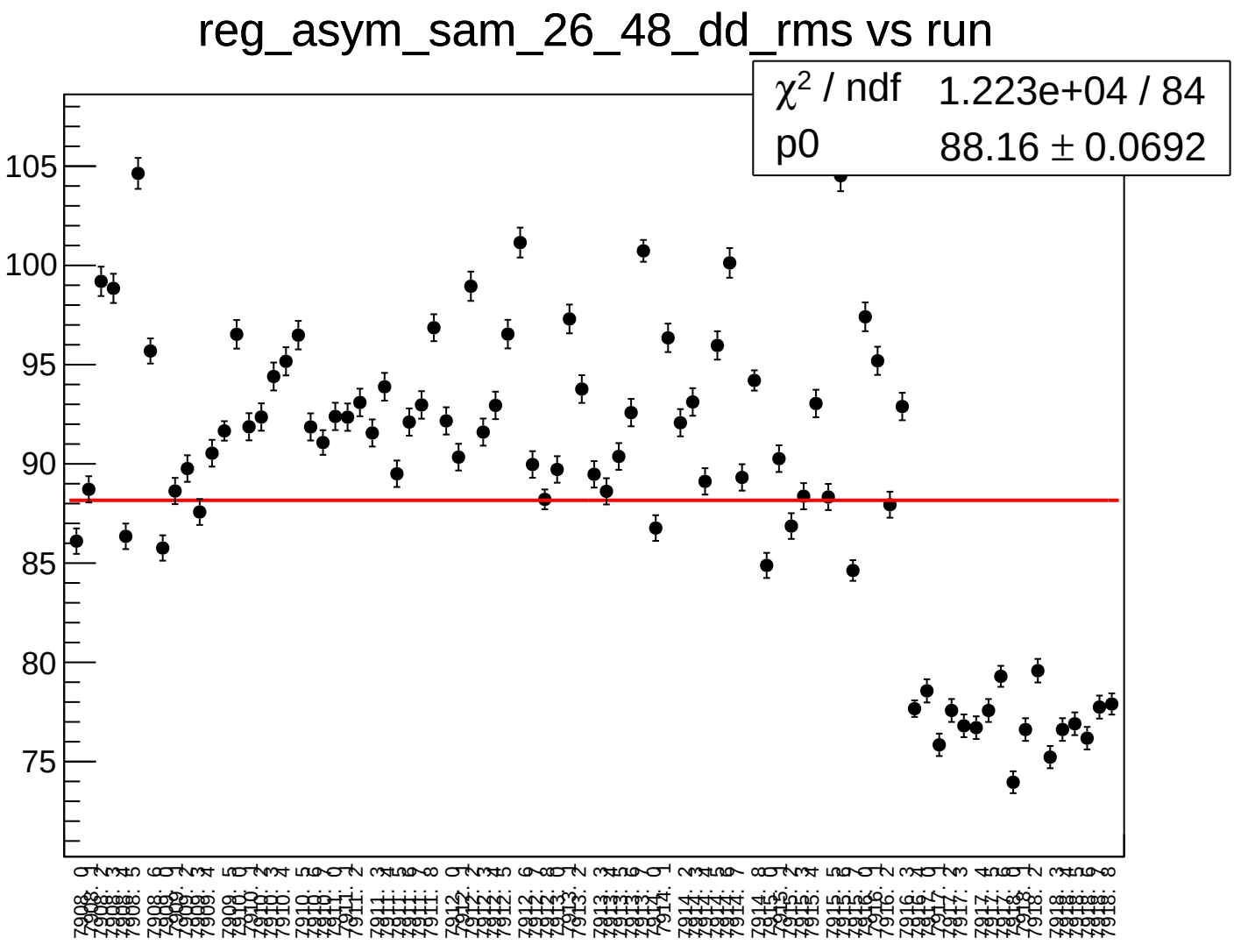

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 102.8 / 84
p0 3168 ± 4054
pull
Entries 85
Mean −24.6
Std Dev 89.83

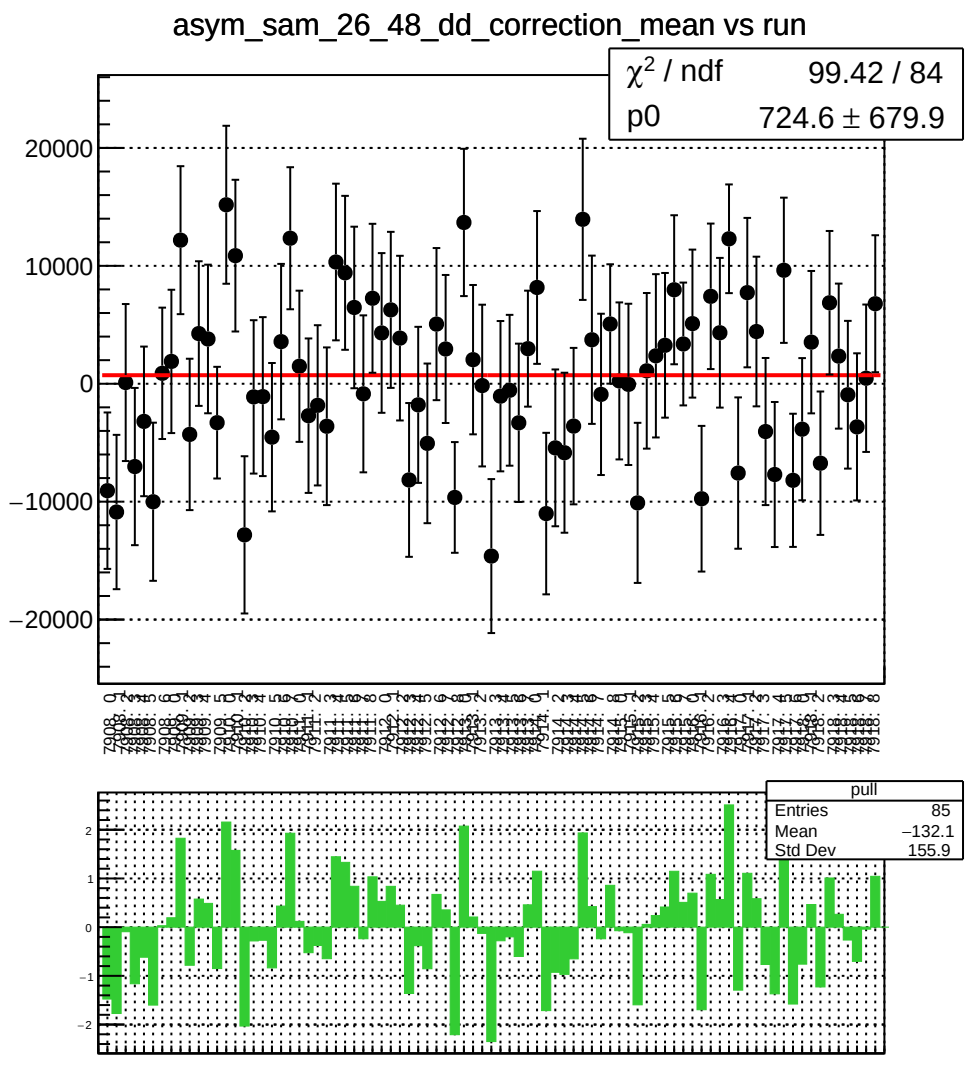

pull1D
Entries 85
Mean −0.009881
Std Dev 1.1

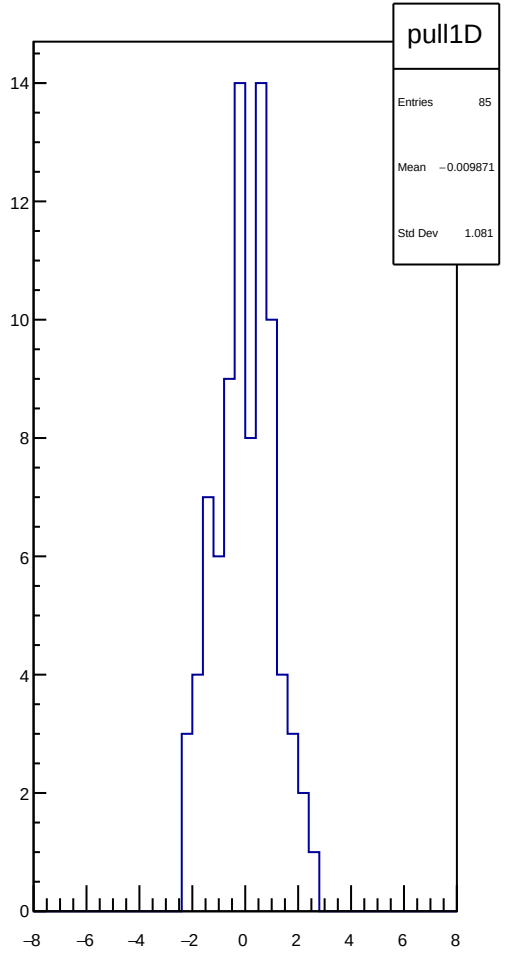

asym_sam_24_68_dd_rms vs run
χ² / ndf 3.104e+04 / 84
p0 3631 ± 2.867
5000
4500
4000
3500
3000

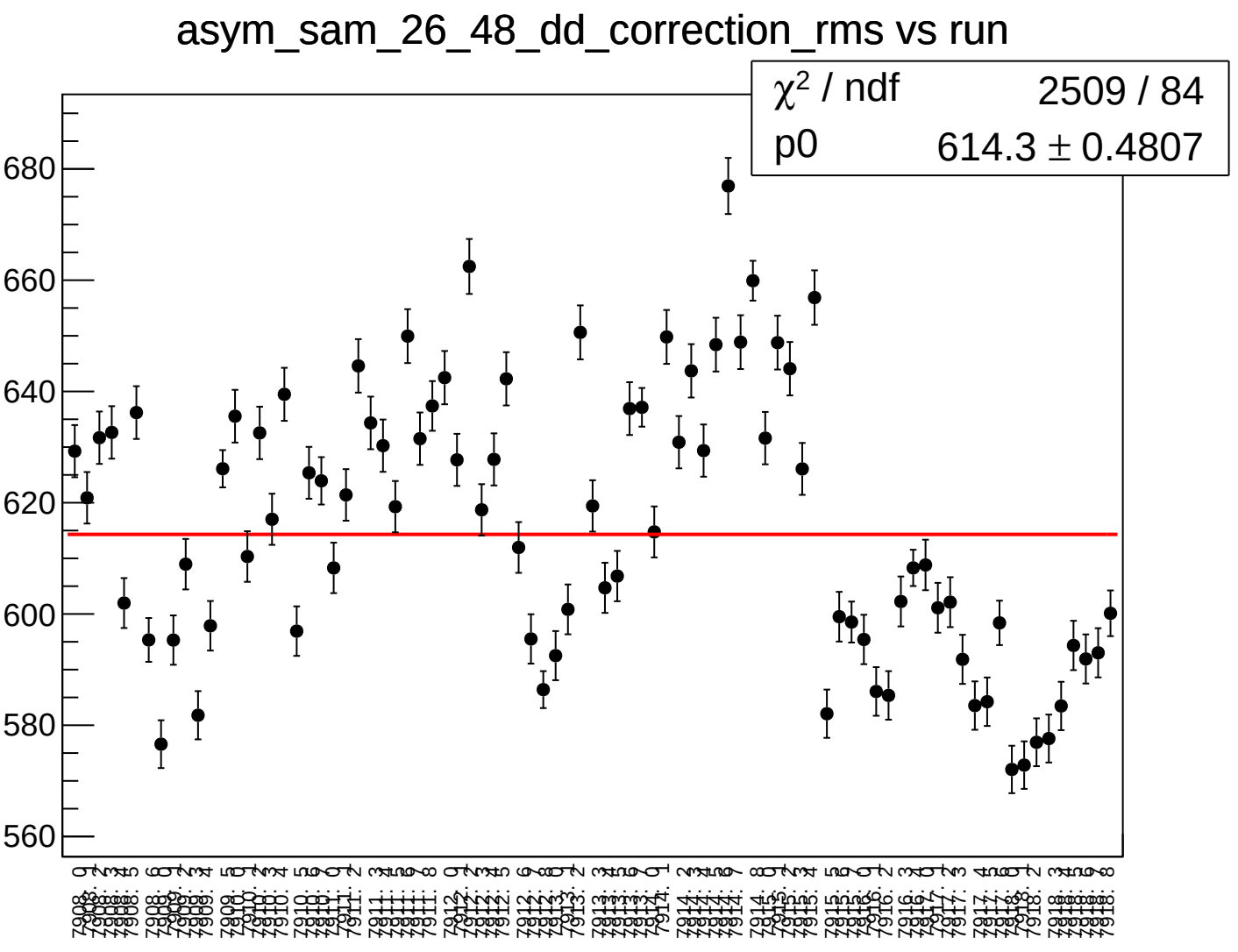

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 91.75 / 84
p0 −231.4 ± 97.86
pull
Entries 85
Mean 198.6
Std Dev 145

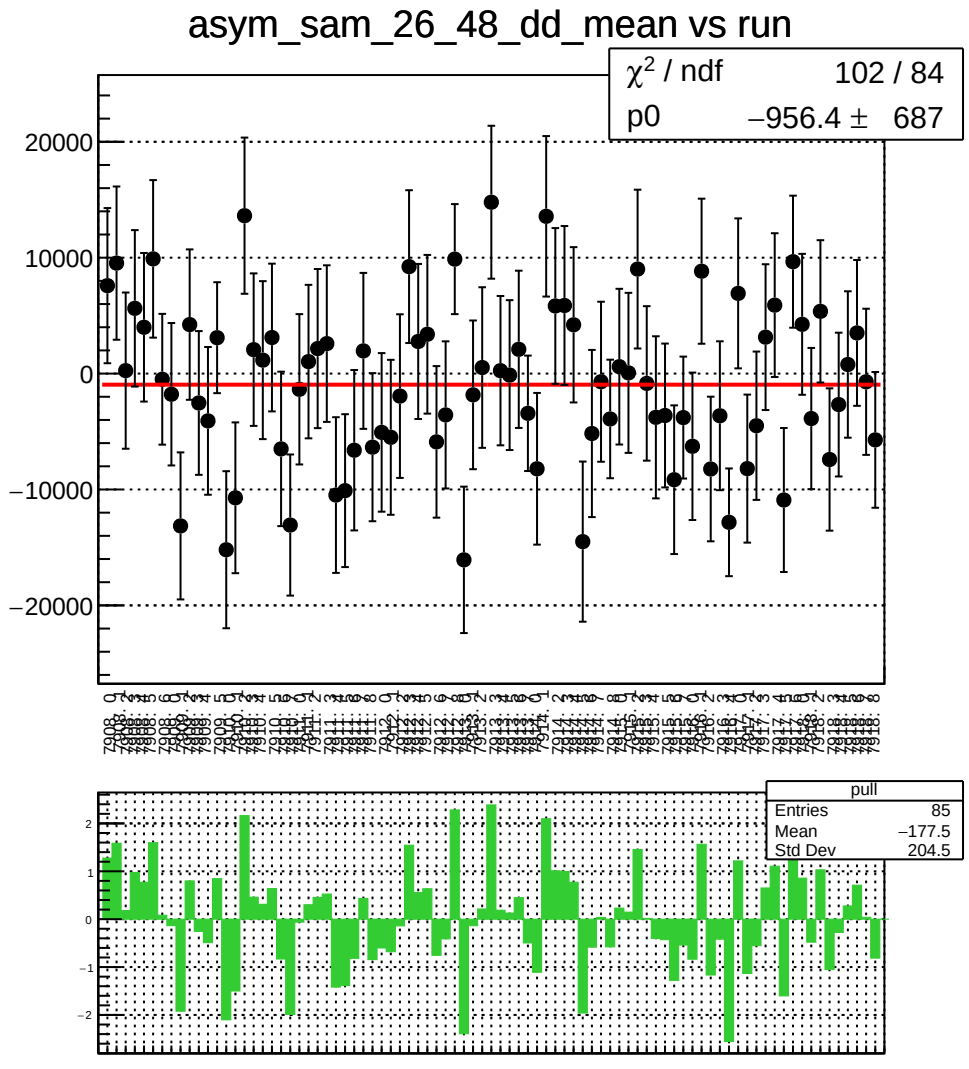

pull1D
Entries 85
Mean −0.008
Std Dev 1.039

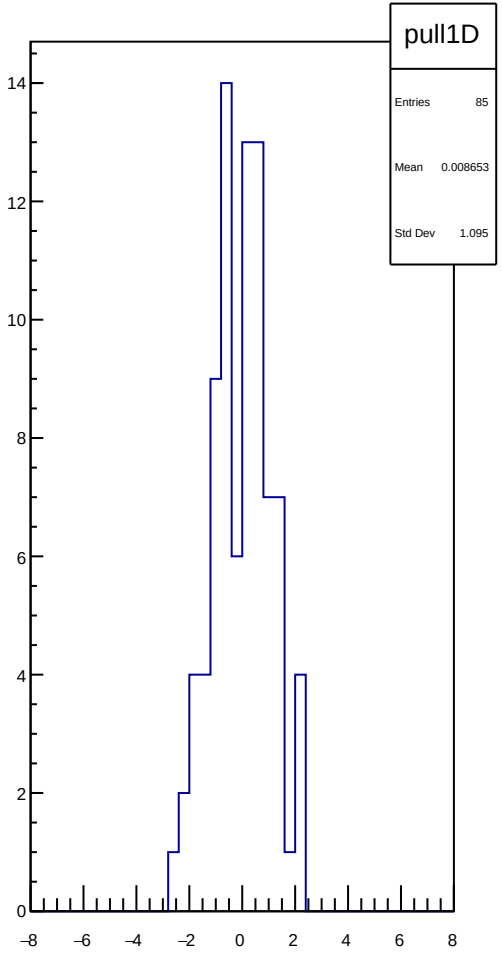

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.223e+04 / 84
p0 88.16 ± 0.0692
105
100
95
90
85
80
75

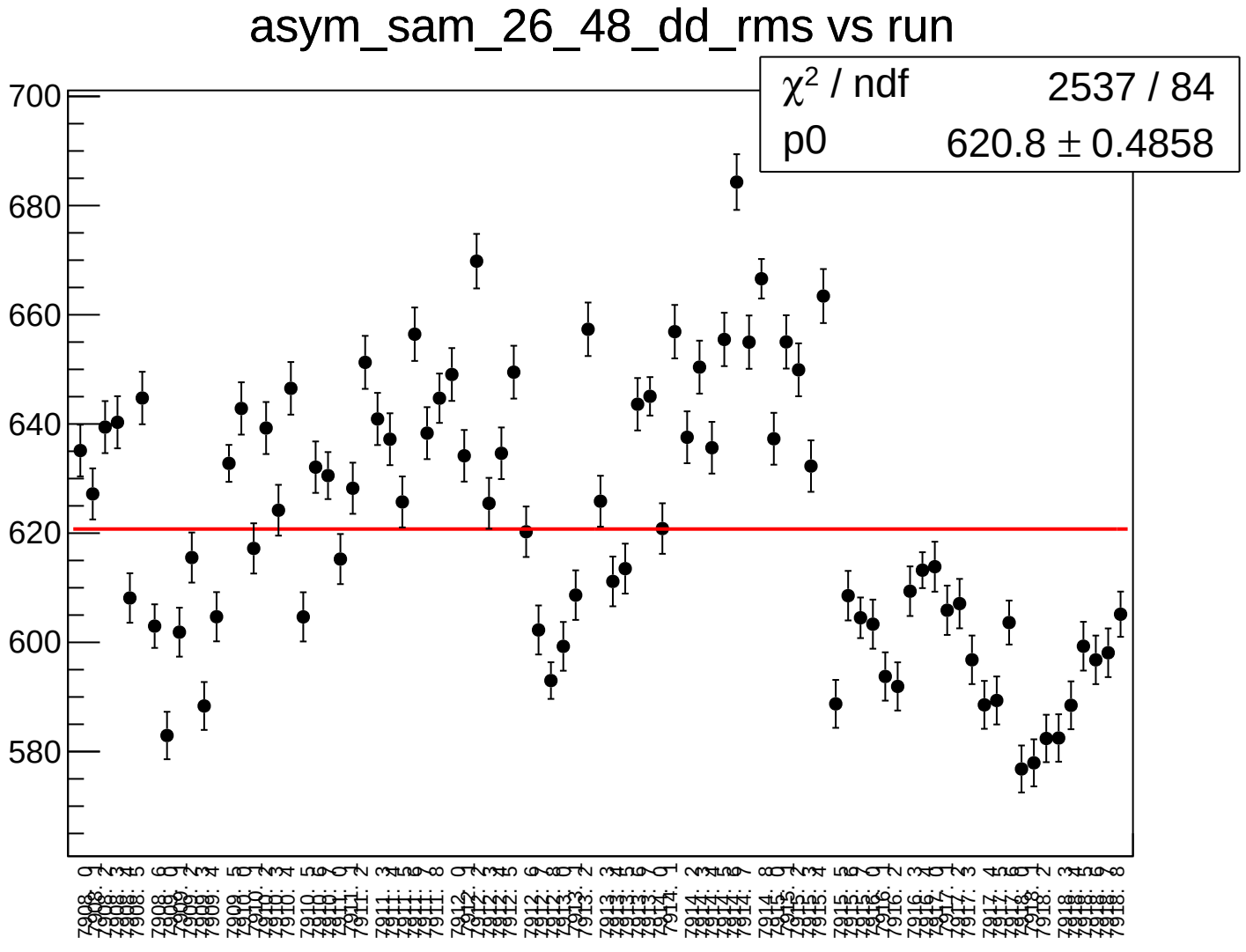

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 99.42 / 84
p0 724.6 ± 679.9
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −132.1
Std Dev 155.9
2
1
0
−1
−2

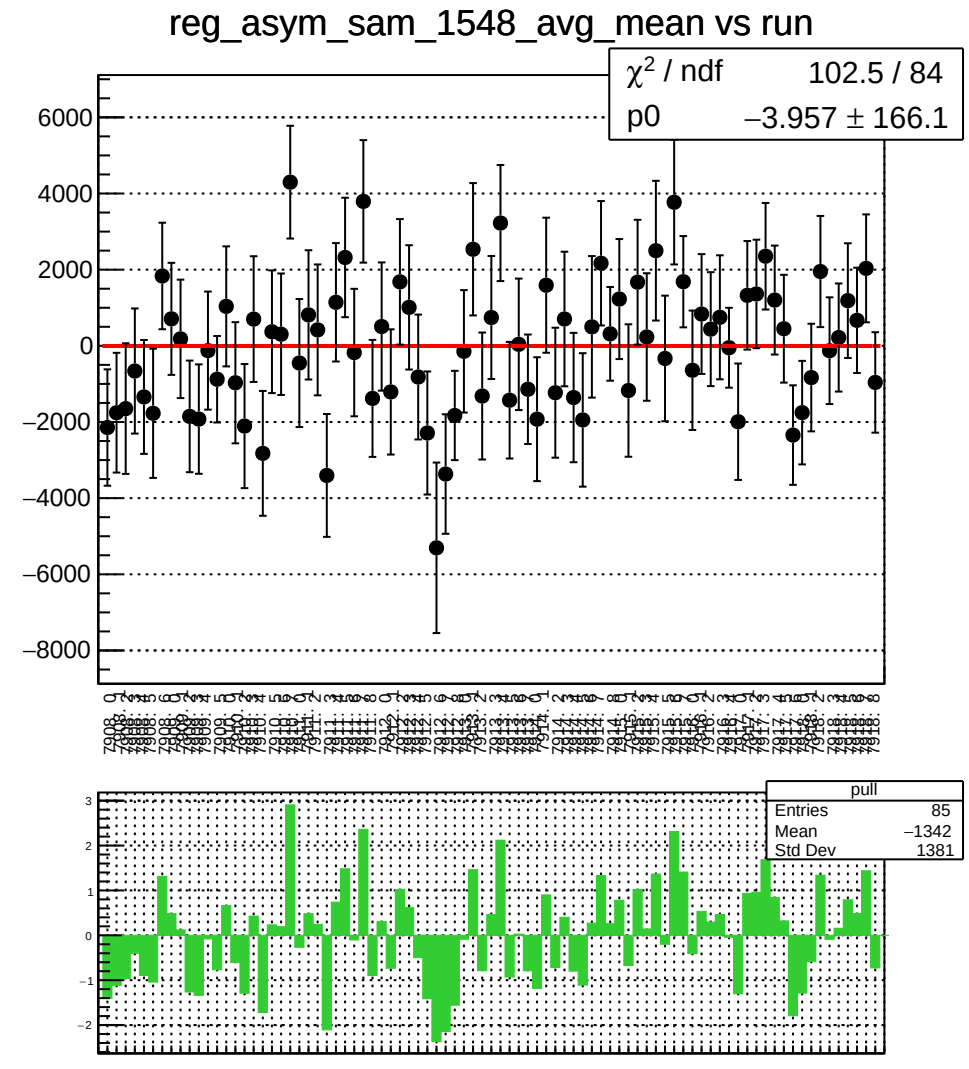

pull1D
Entries 85
Mean −0.009871
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

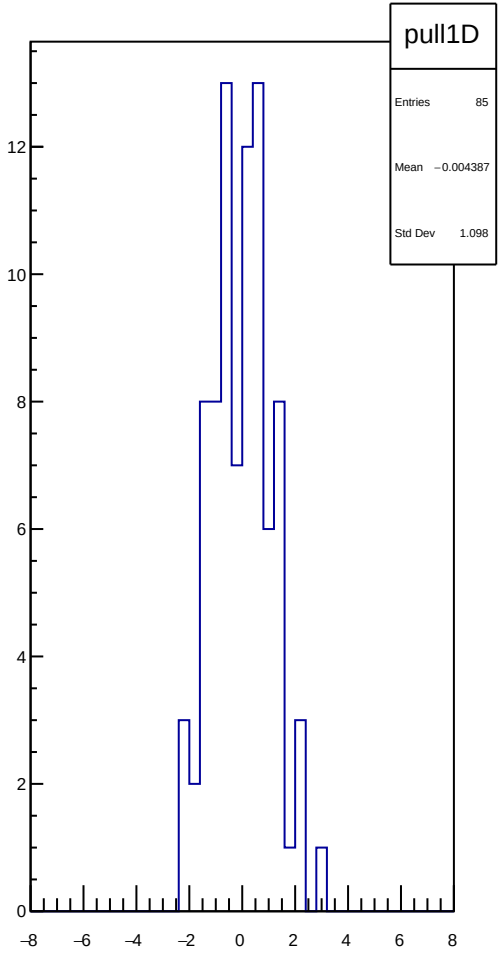

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2509 / 84
p0 614.3 ± 0.4807
680
660
640
620
600
580
560

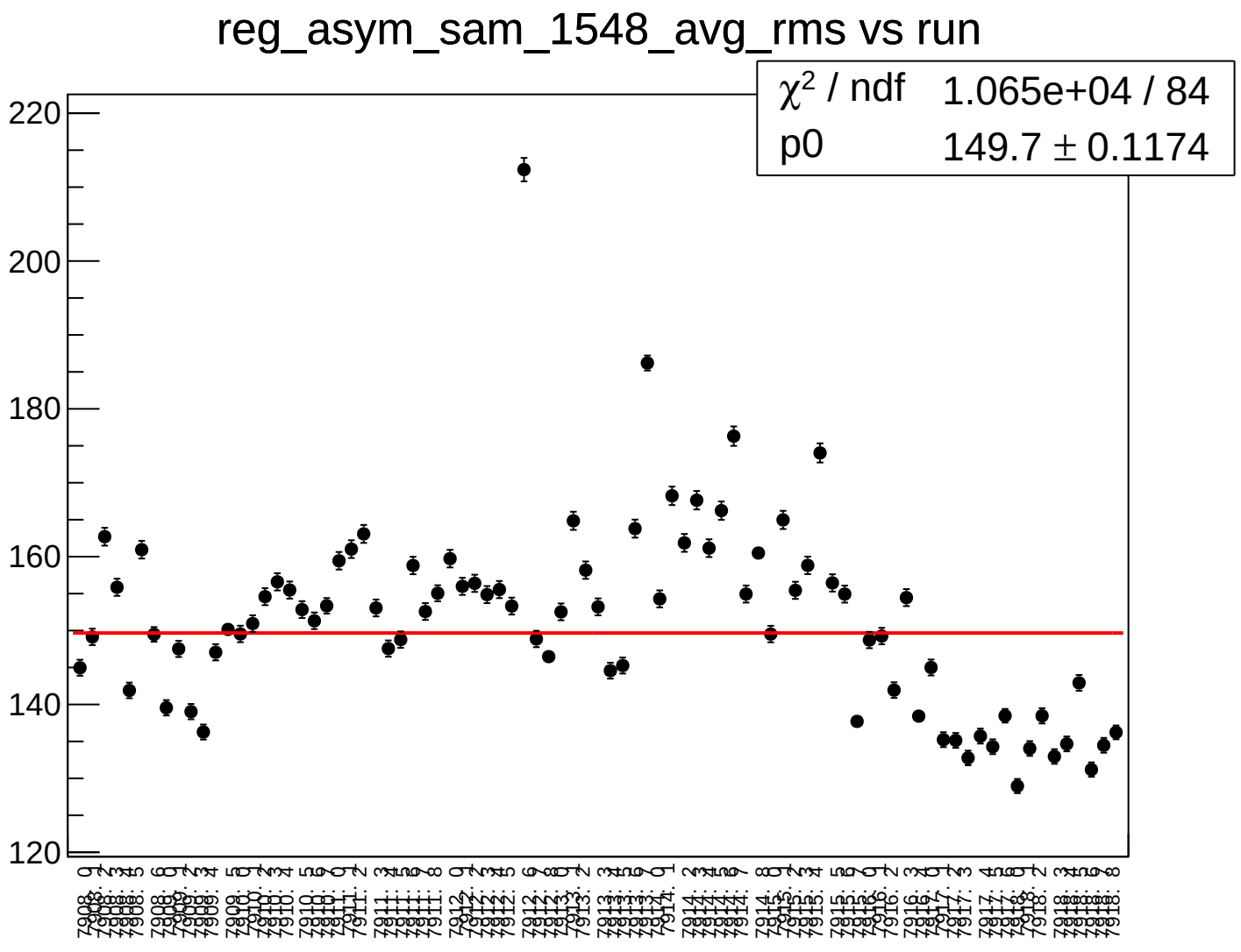

asym_sam_26_48_dd_mean vs run
χ² / ndf 102 / 84
p0 −956.4 ± 687
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −177.5
Std Dev 204.5
2
1
0
−1
−2

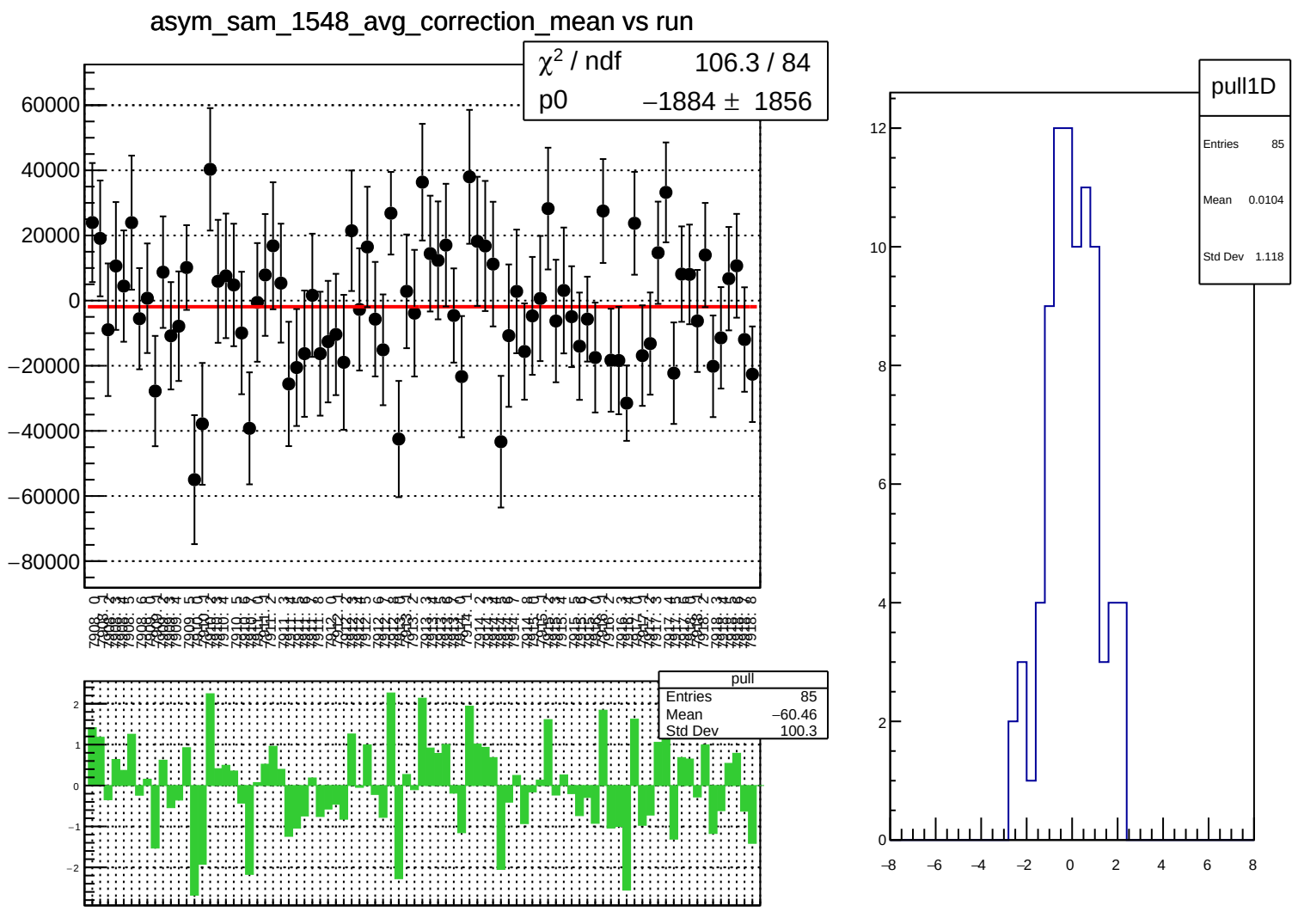

pull1D
Entries 85
Mean 0.008653
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

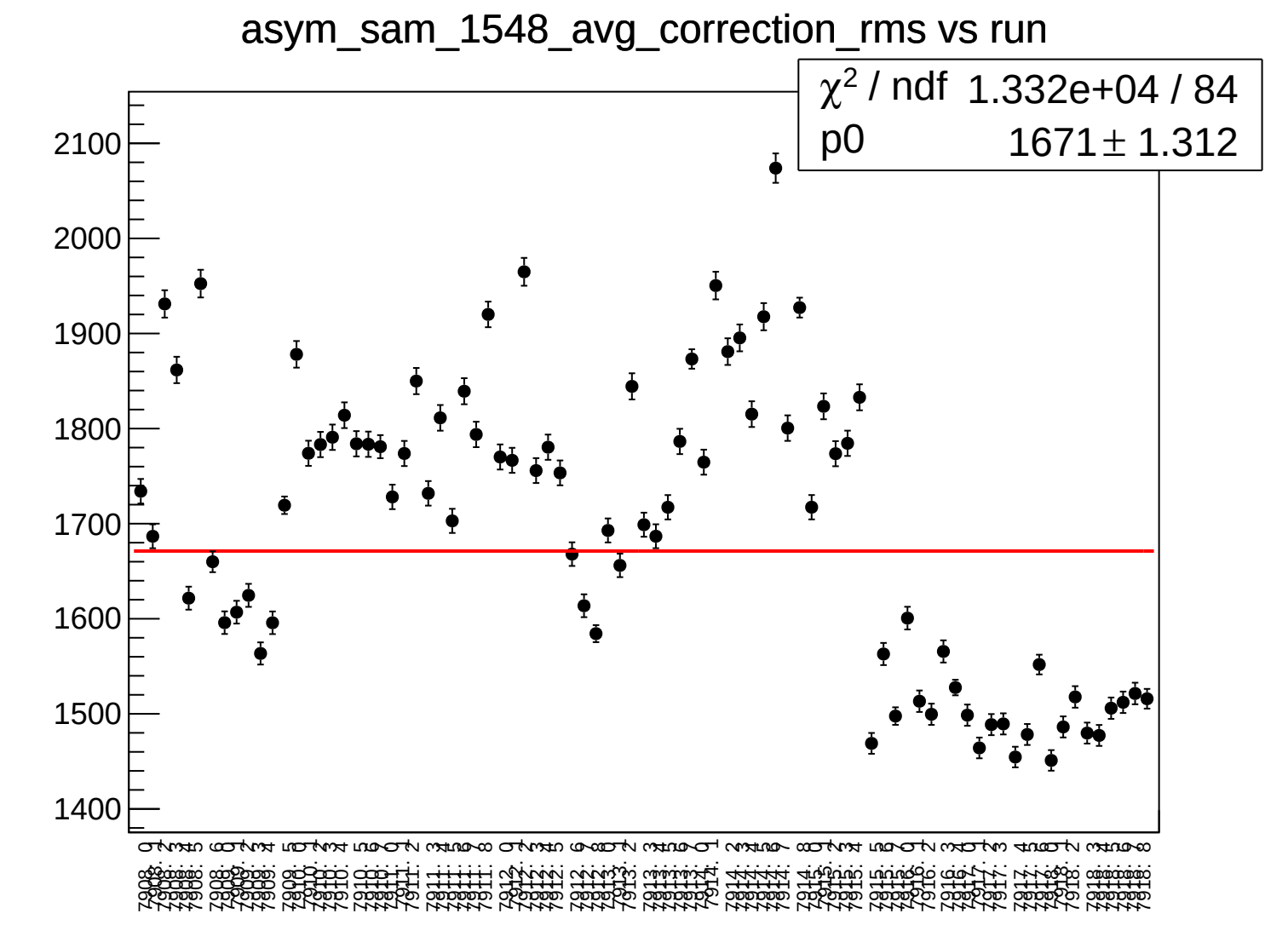

asym_sam_26_48_dd_rms vs run
χ² / ndf 2537 / 84
p0 620.8 ± 0.4858
700
680
660
640
620
600
580

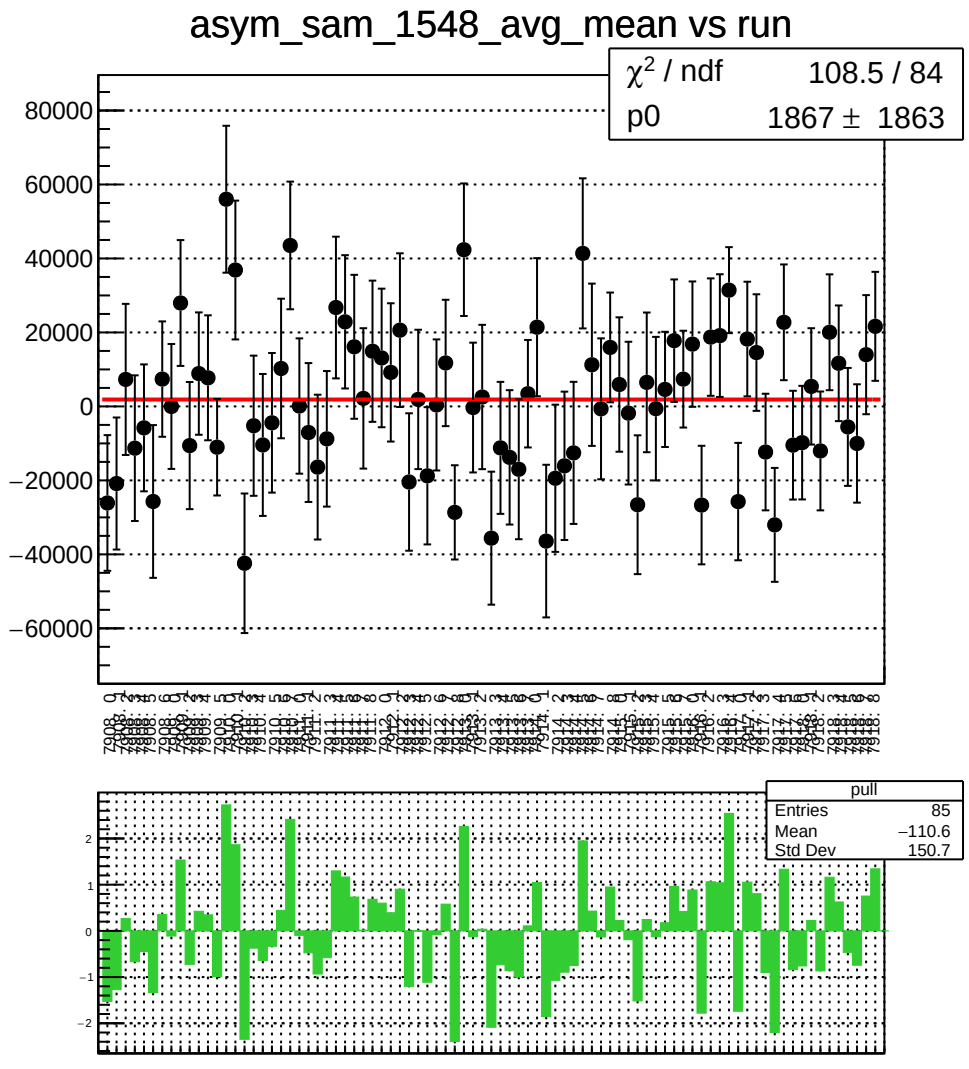

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 102.5 / 84
p0 −3.957 ± 166.1
pull
Entries 85
Mean −1342
Std Dev 1381

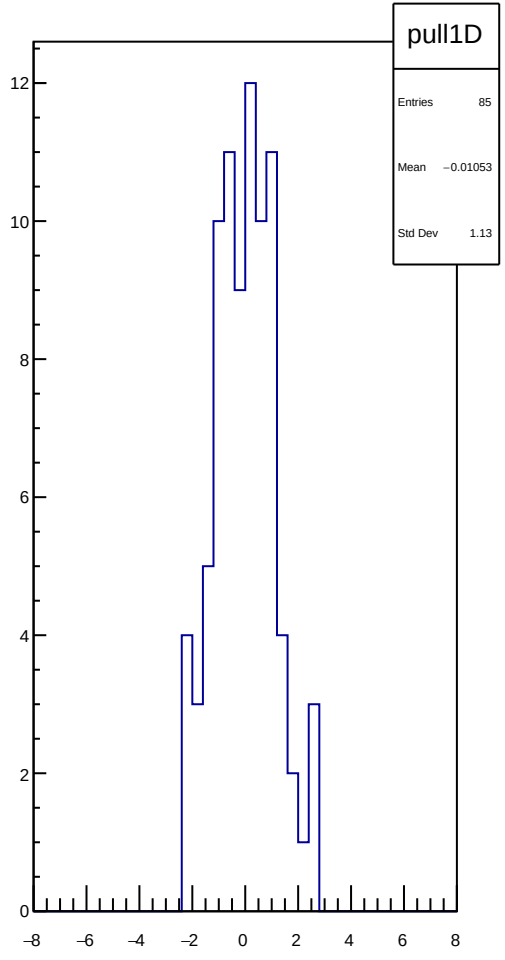

pull1D
Entries 85
Mean −0.004387
Std Dev 1.098

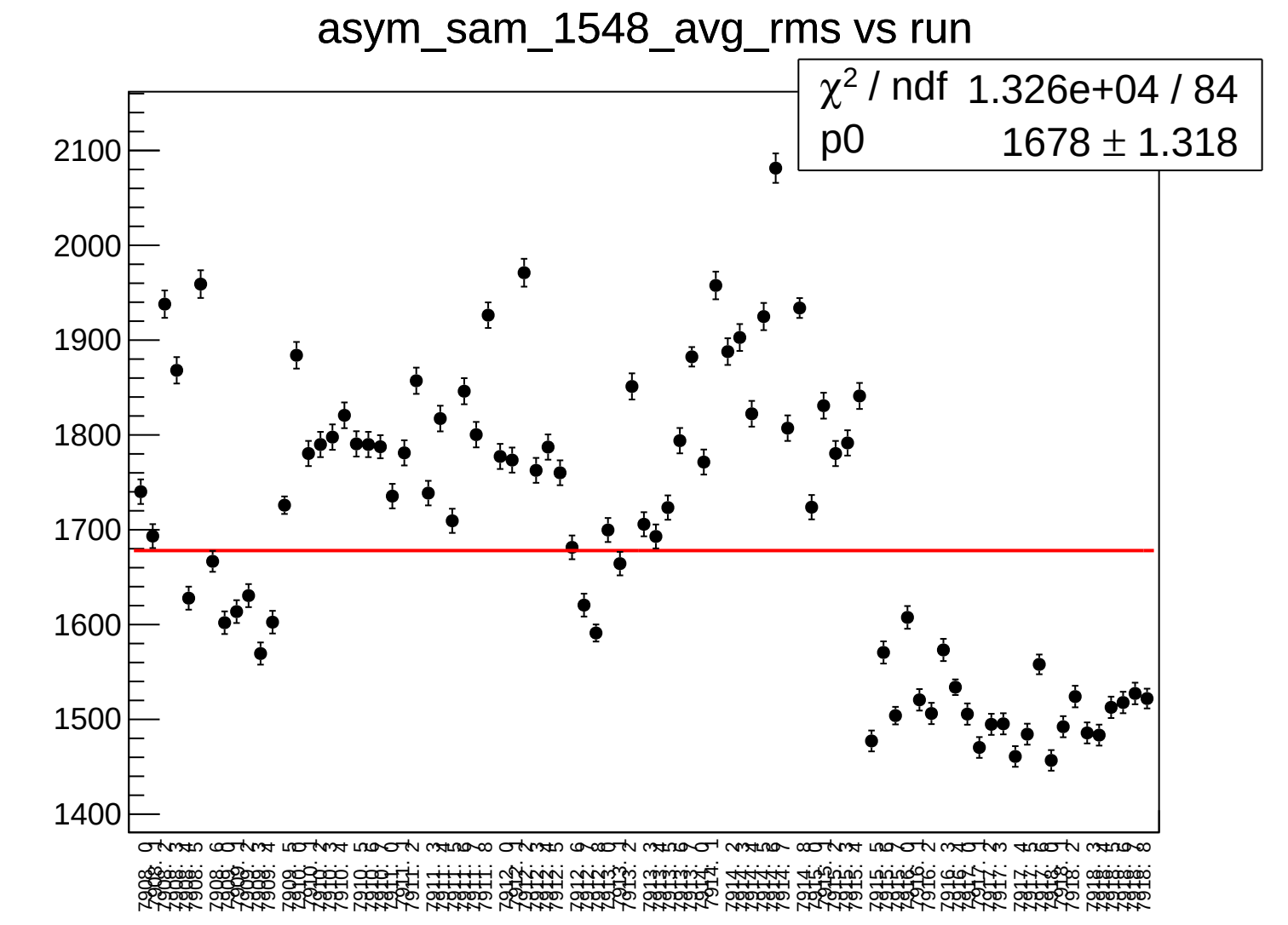

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 1.065e+04 / 84
p0 149.7 ± 0.1174
220
200
180
160
140
120

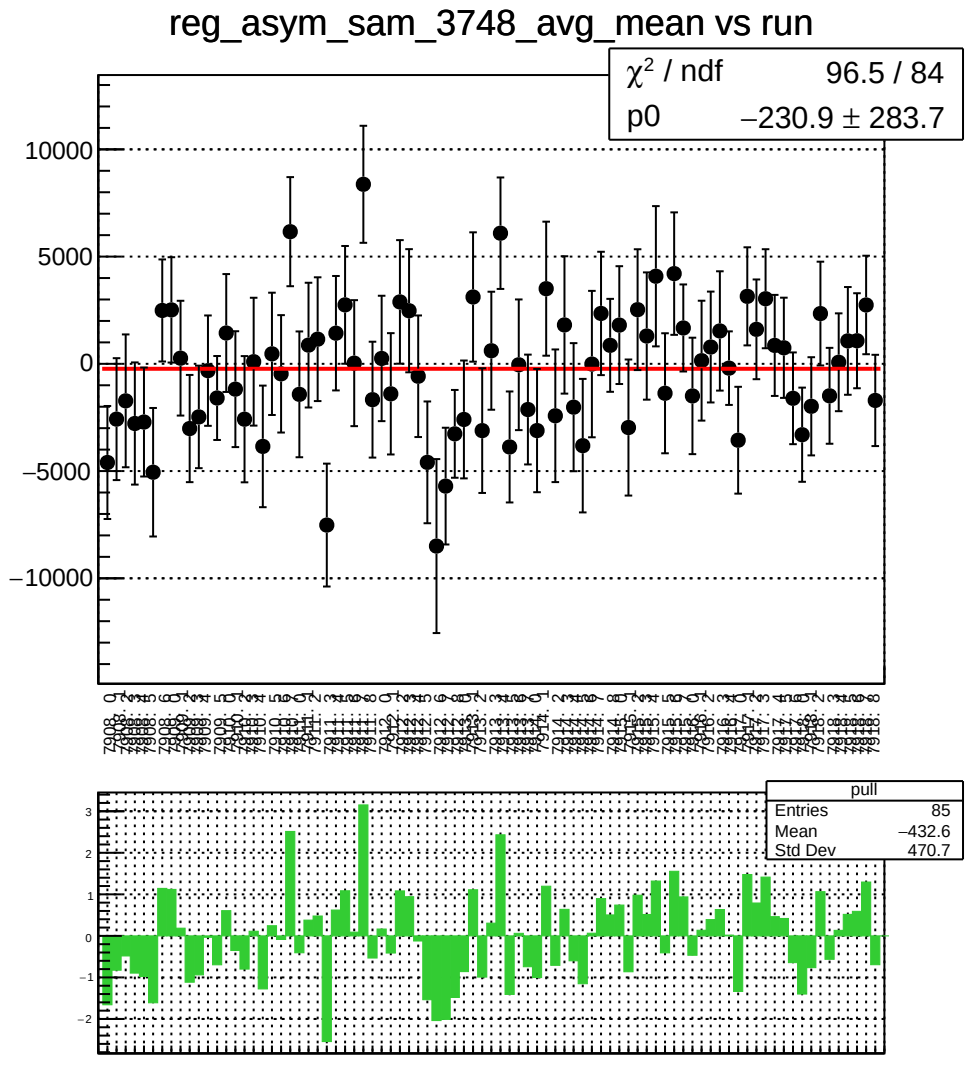

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 106.3 / 84
p0 −1884 ± 1856
pull
Entries 85
Mean −60.46
Std Dev 100.3
pull1D
Entries 85
Mean 0.0104
Std Dev 1.118

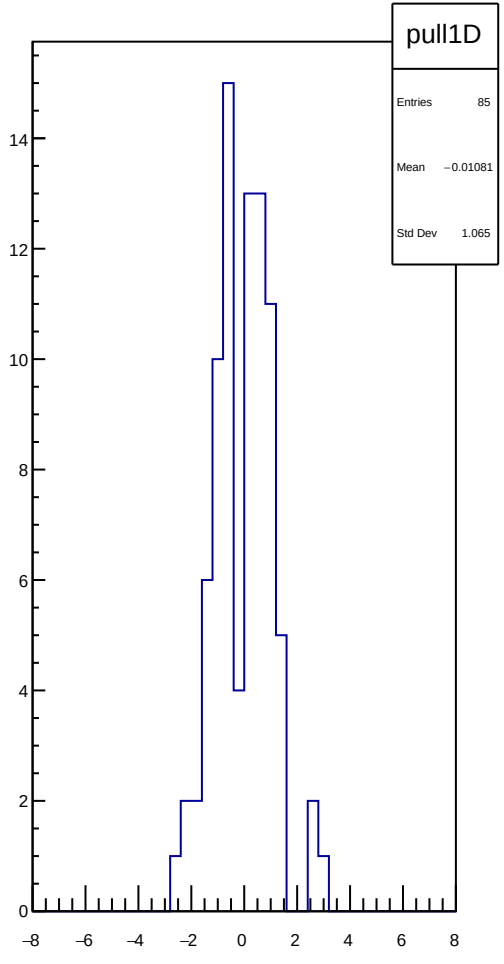

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.332e+04 / 84
p0 1671 ± 1.312
2100
2000
1900
1800
1700
1600
1500
1400

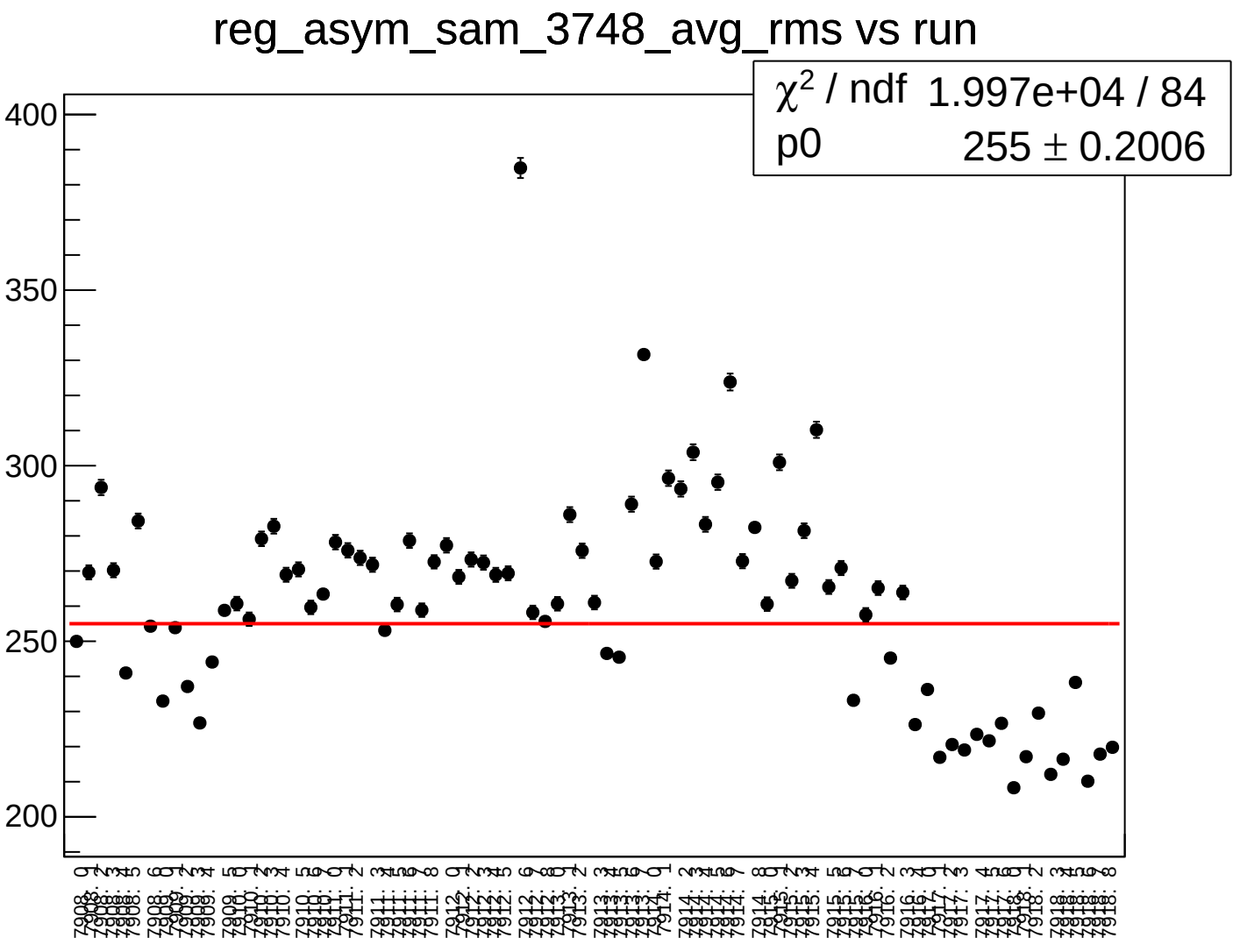

asym_sam_1548_avg_mean vs run
χ² / ndf 108.5 / 84
p0 1867 ± 1863
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −110.6
Std Dev 150.7
2
1
0
−1
−2

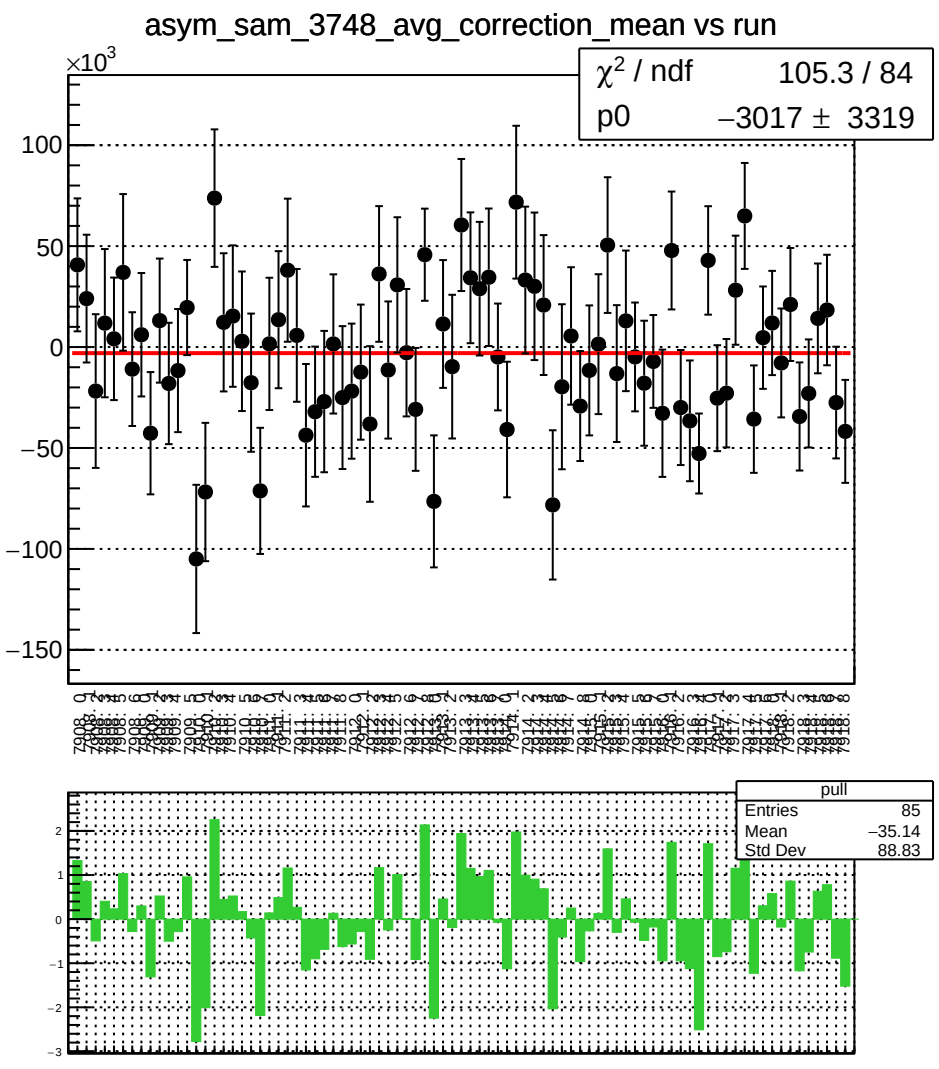

pull1D
Entries 85
Mean −0.01053
Std Dev 1.13
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

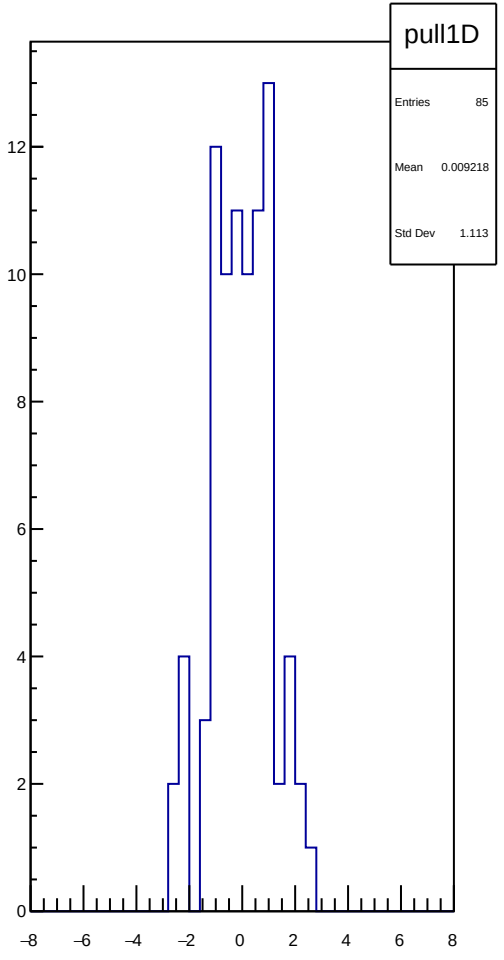

asym_sam_1548_avg_rms vs run
χ² / ndf 1.326e+04 / 84
p0 1678 ± 1.318
2100
2000
1900
1800
1700
1600
1500
1400

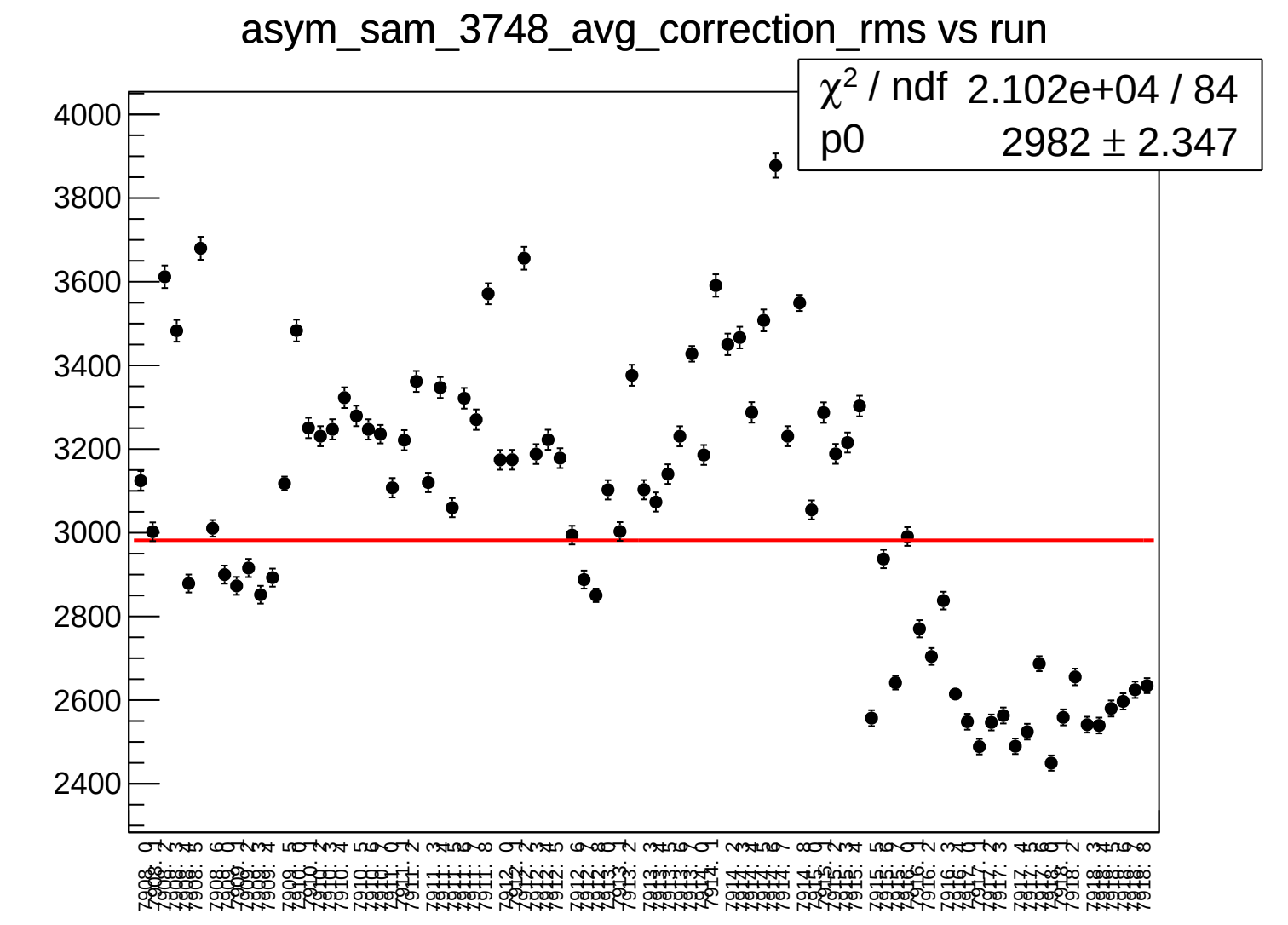

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 96.5 / 84
p0 −230.9 ± 283.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −432.6
Std Dev 470.7
3
2
1
0
−1
−2

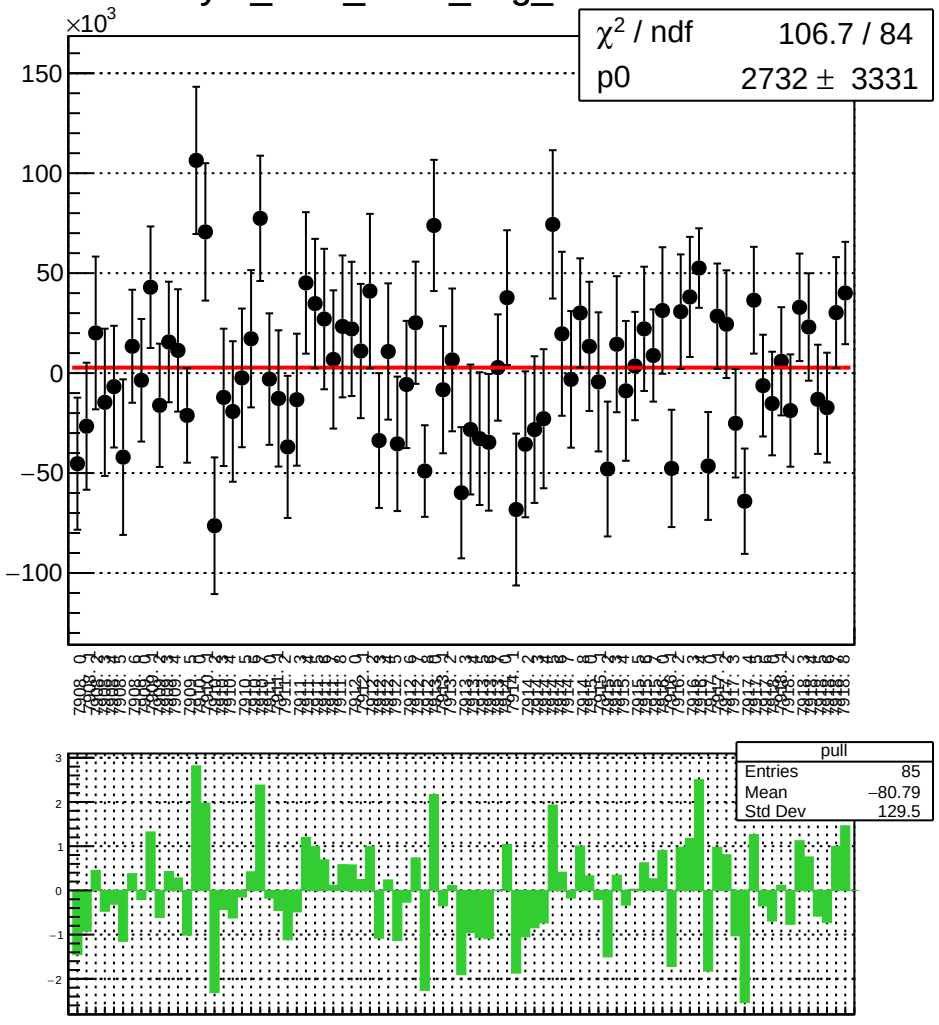

pull1D
Entries 85
Mean −0.01081
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

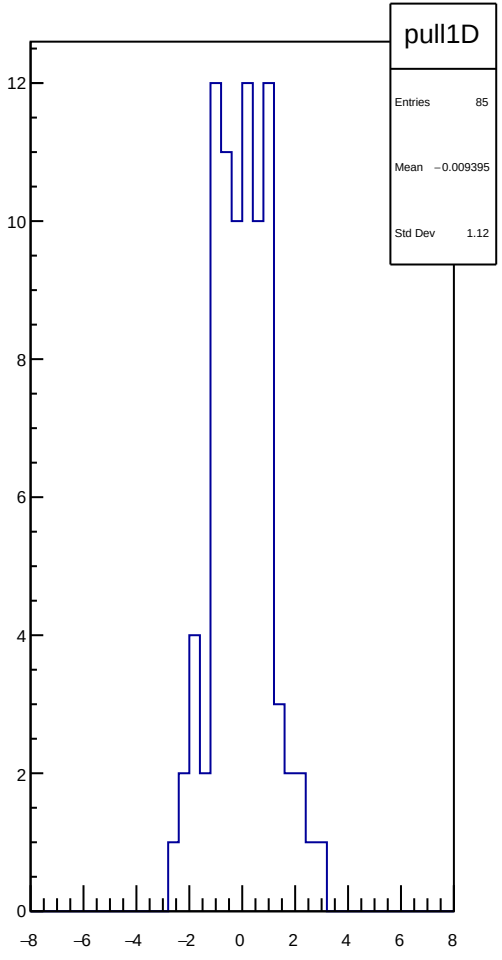

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.997e+04 / 84
p0 255 ± 0.2006
400
350
300
250
200

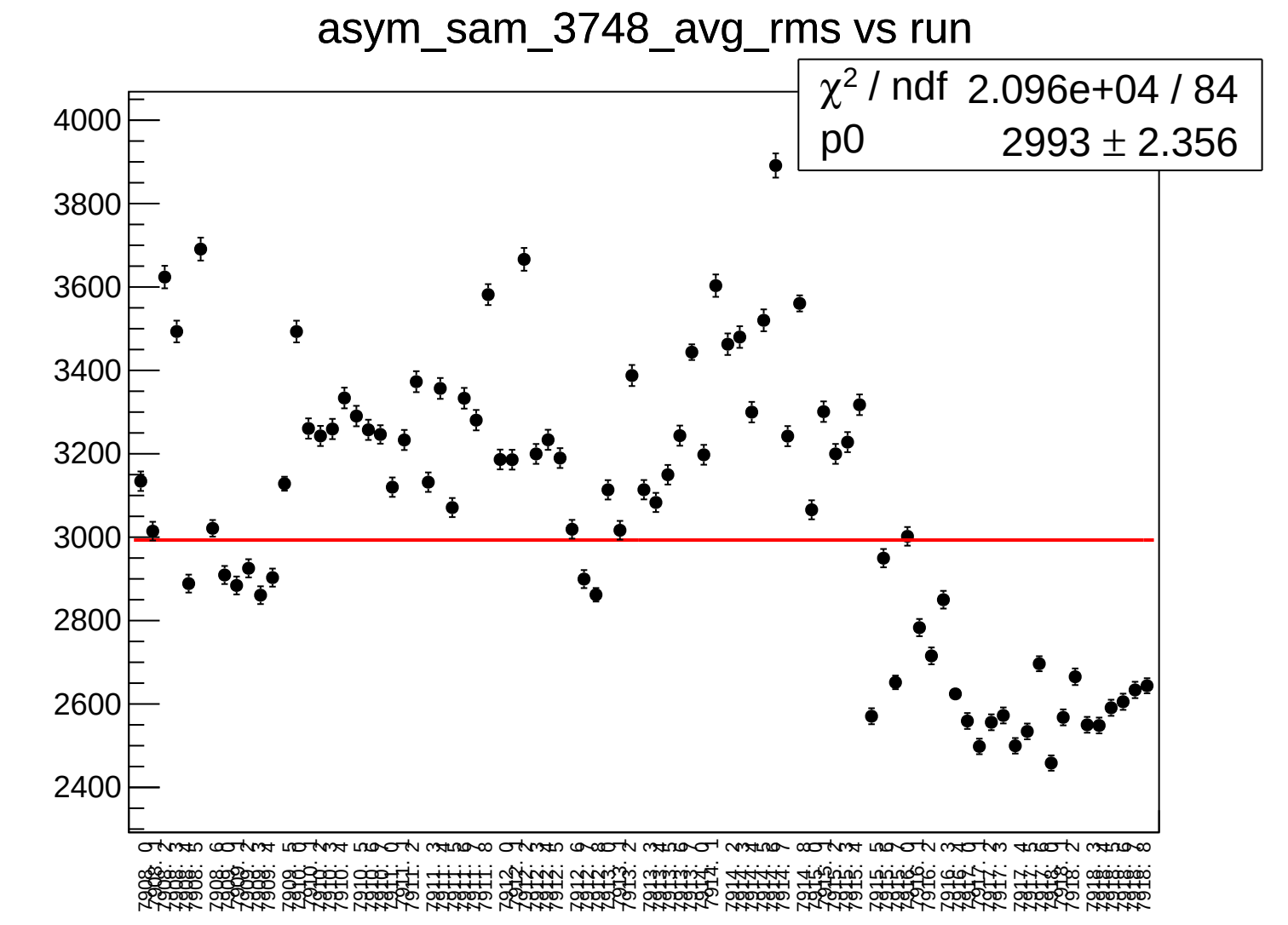

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 105.3 / 84
p0 −3017 ± 3319
100
50
0
−50
−100
−150
pull
Entries 85
Mean −35.14
Std Dev 88.83
2
1
0
−1
−2
−3

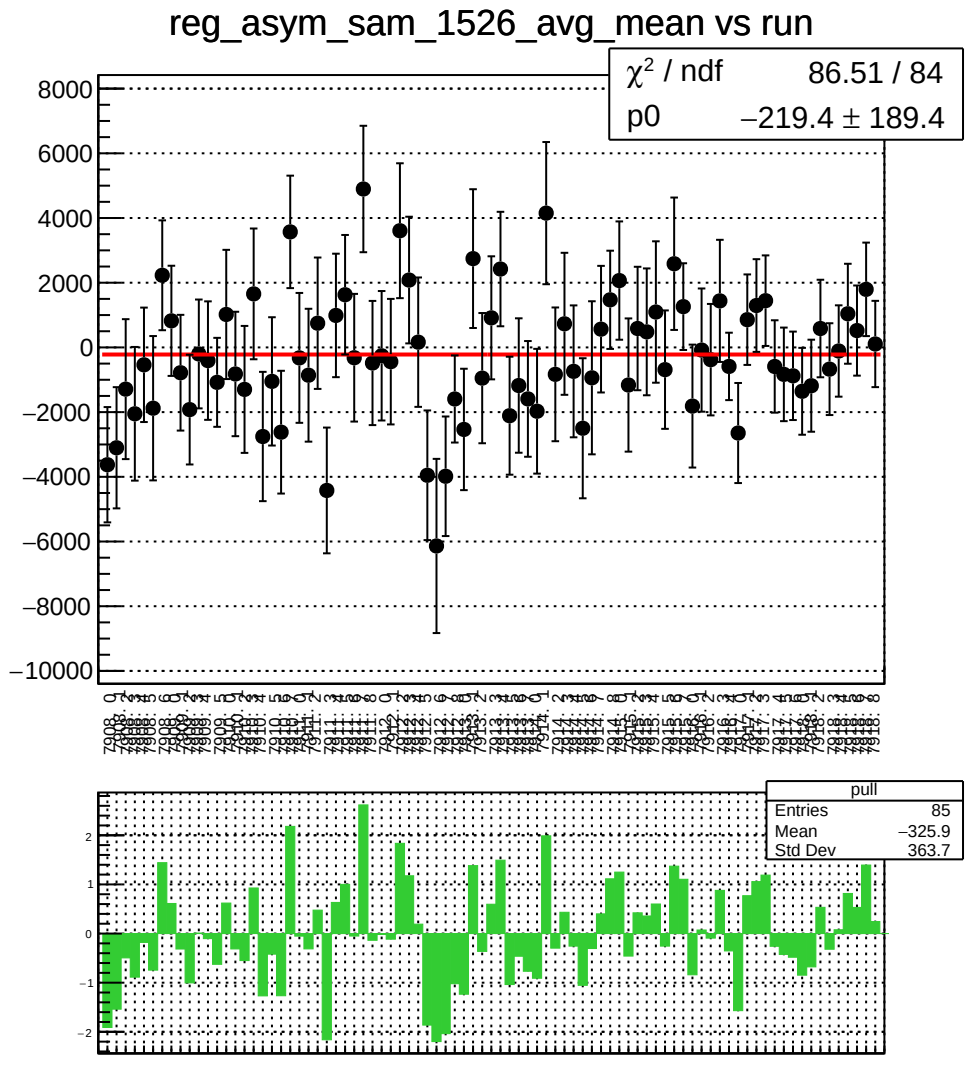

pull1D
Entries 85
Mean 0.009218
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

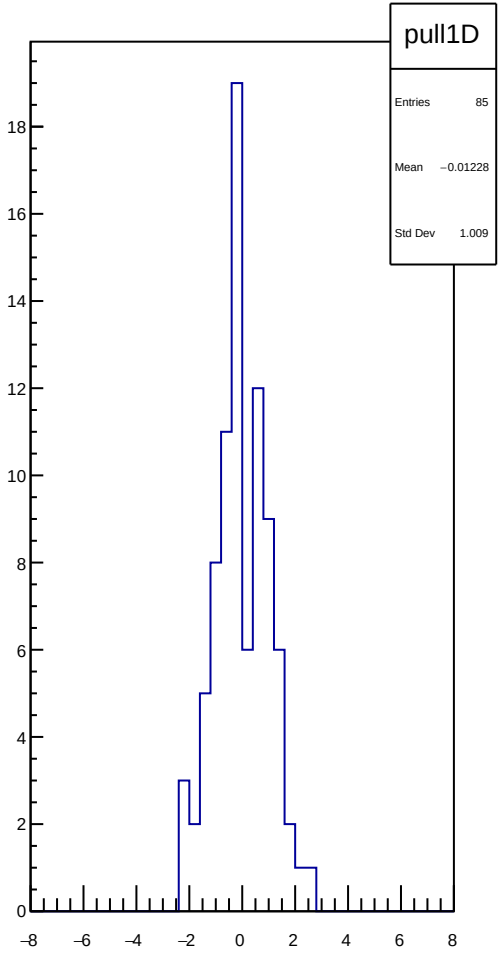

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.102e+04 / 84
p0 2982 ± 2.347
4000
3800
3600
3400
3200
3000
2800
2600
2400

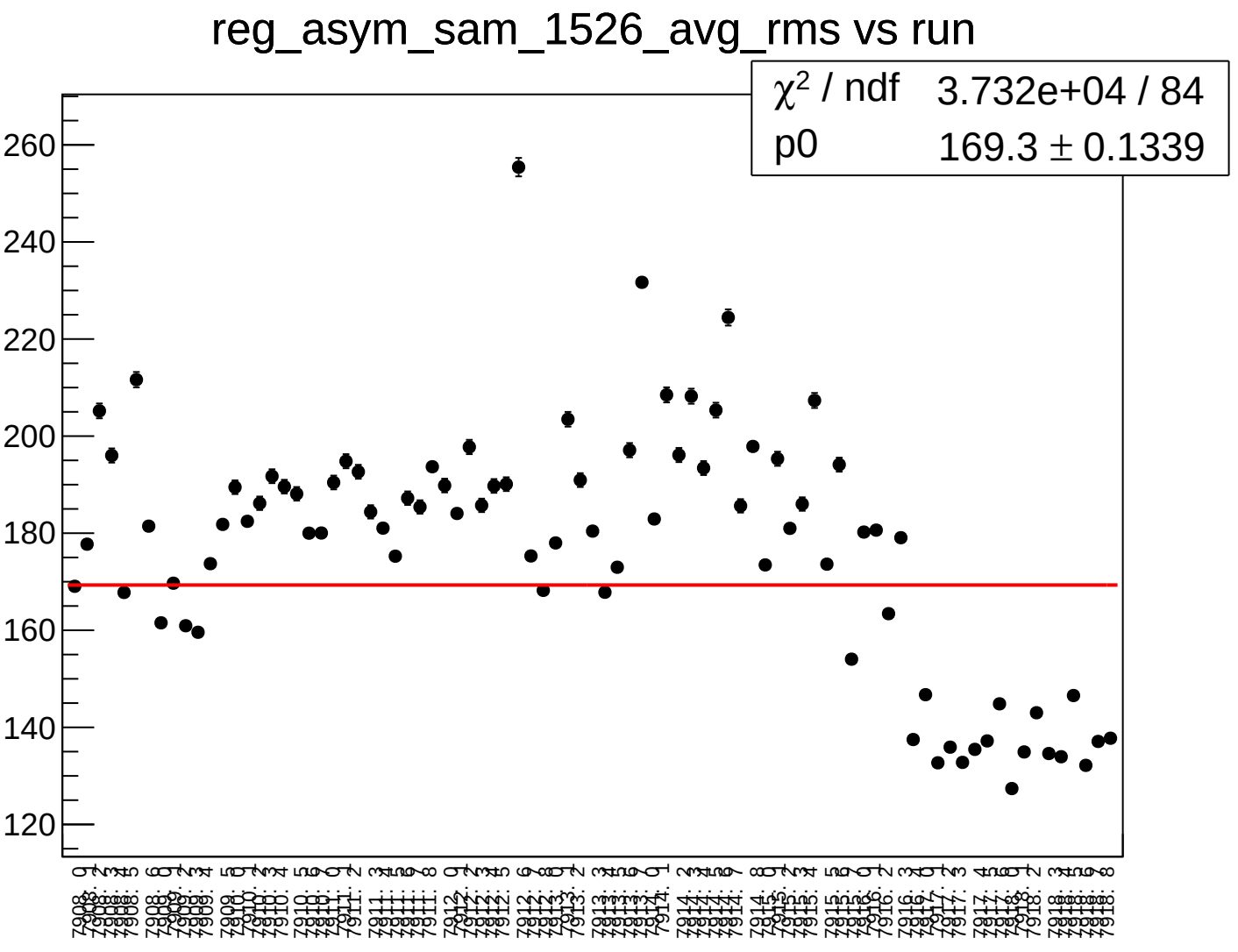

asym_sam_3748_avg_mean vs run
χ² / ndf 106.7 / 84
p0 2732 ± 3331
×10³
150
100
50
0
−50
−100
pull
Entries 85
Mean −80.79
Std Dev 129.5
3
2
1
0
−1
−2

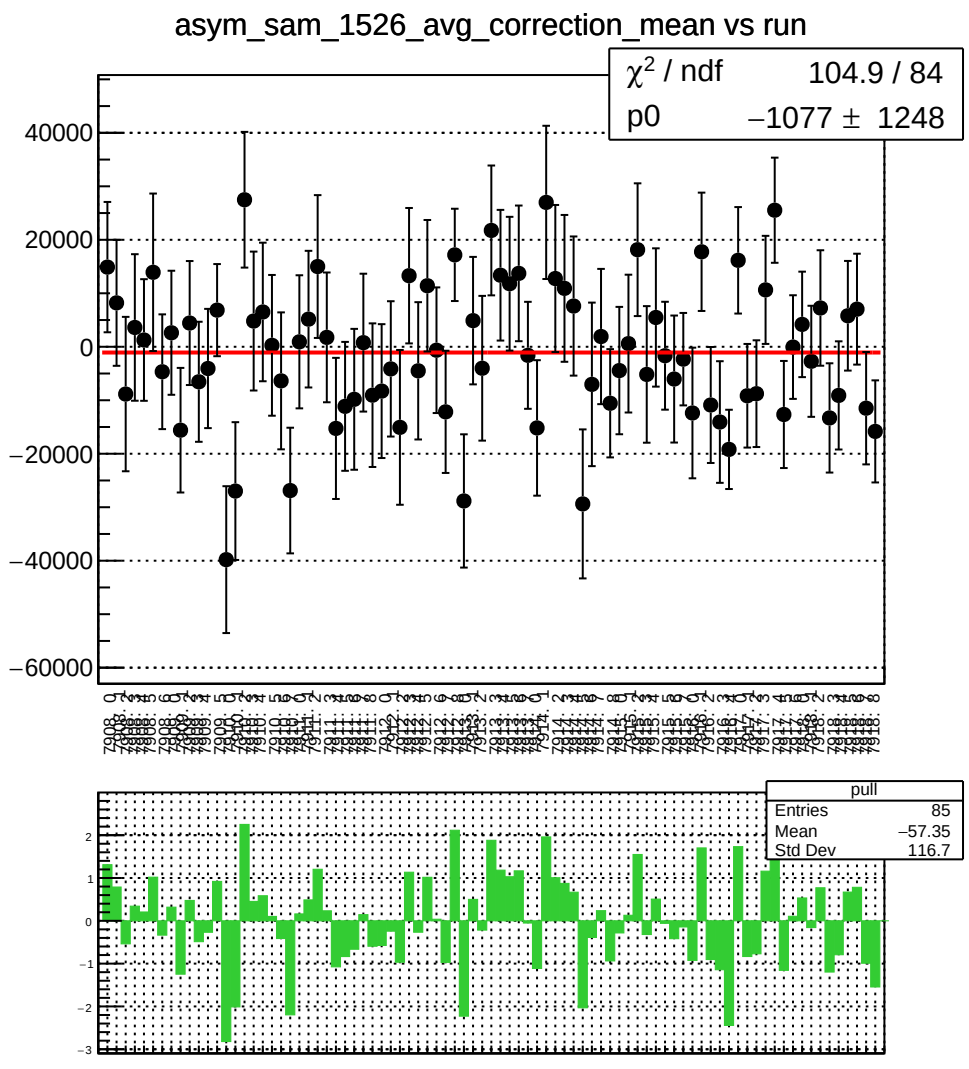

pull1D
Entries 85
Mean −0.009395
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

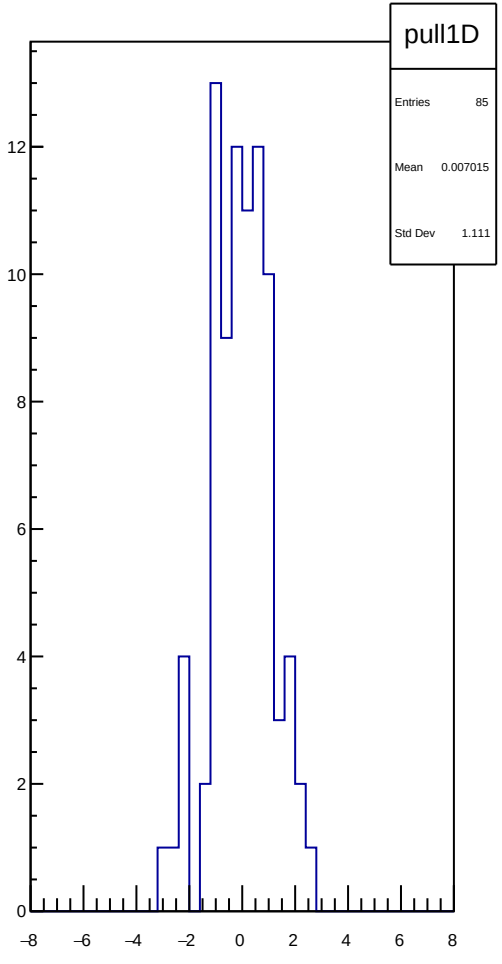

asym_sam_3748_avg_rms vs run
χ² / ndf 2.096e+04 / 84
p0 2993 ± 2.356
4000
3800
3600
3400
3200
3000
2800
2600
2400

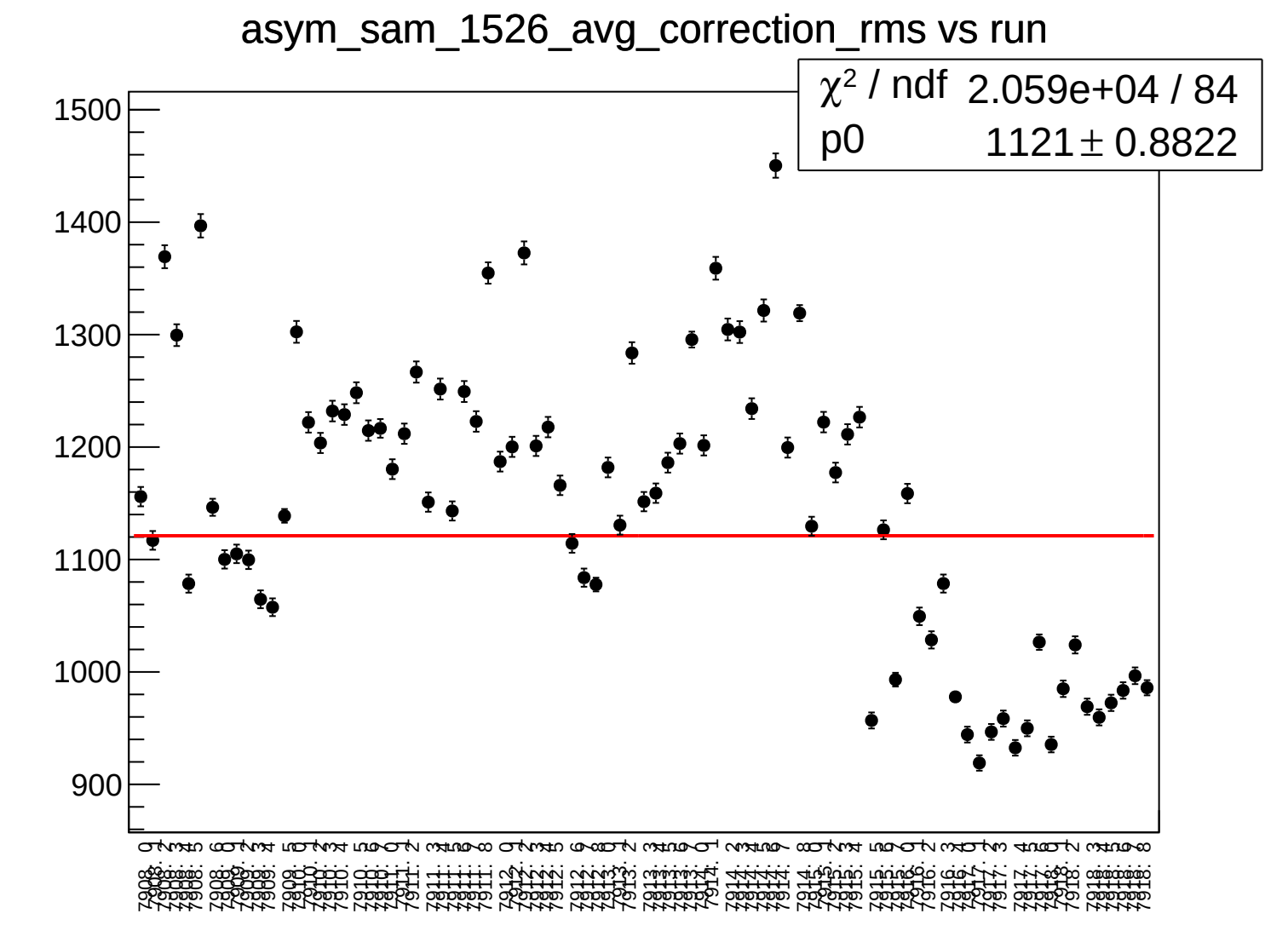

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 86.51 / 84
p0 −219.4 ± 189.4
pull
Entries 85
Mean −325.9
Std Dev 363.7

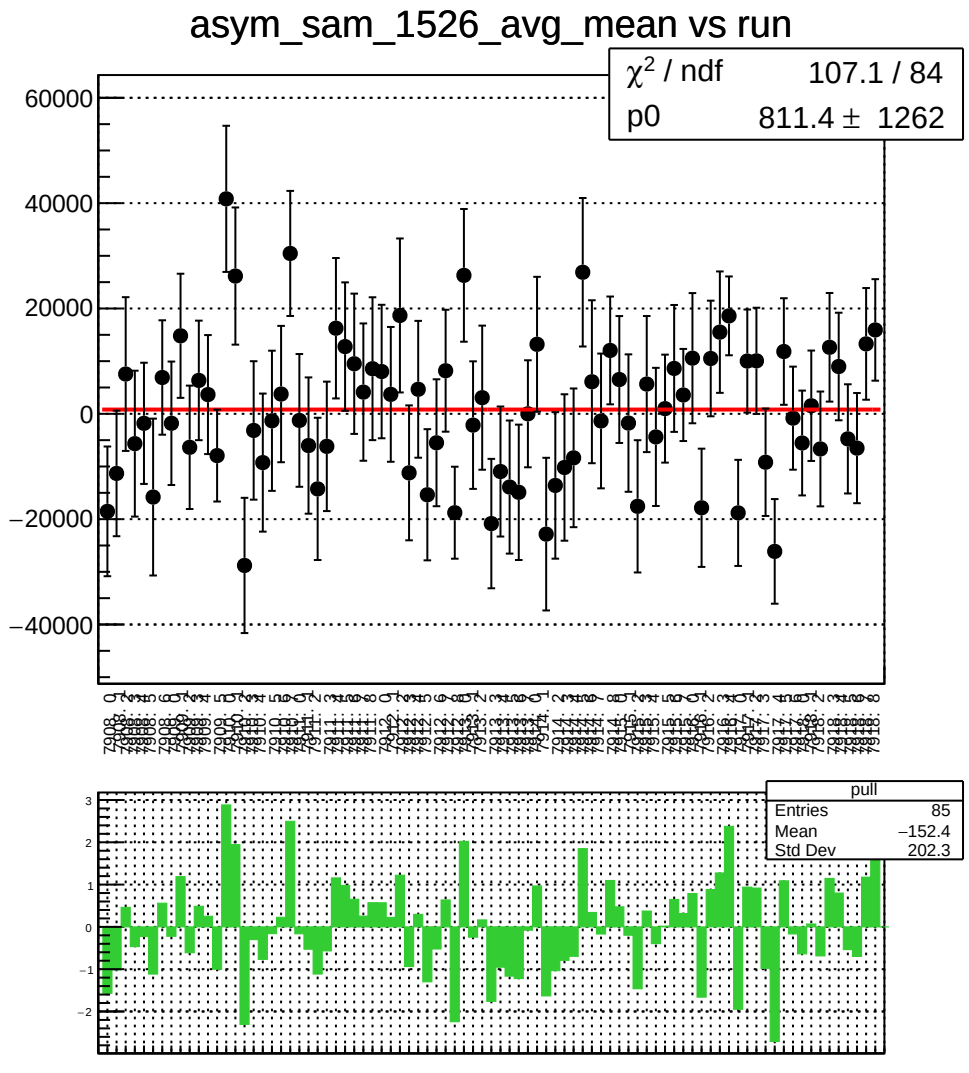

pull1D
Entries 85
Mean −0.01228
Std Dev 1.009

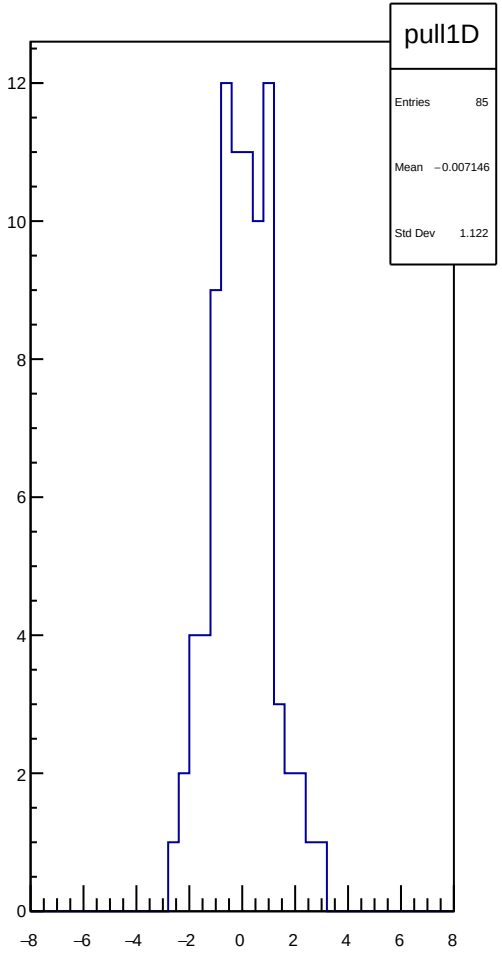

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 3.732e+04 / 84
p0 169.3 ± 0.1339
260
240
220
200
180
160
140
120

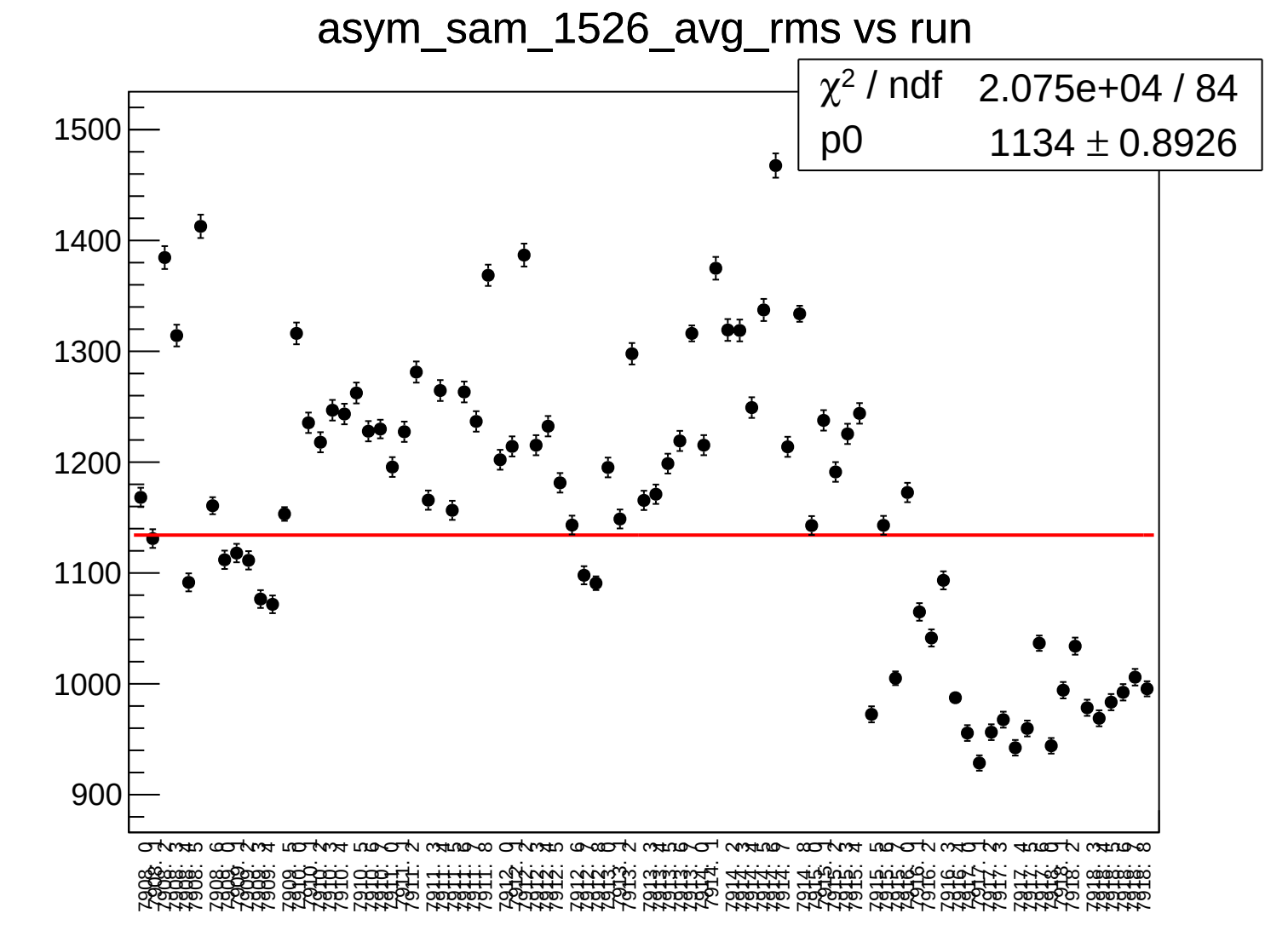

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 104.9 / 84
p0 −1077 ± 1248
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −57.35
Std Dev 116.7
2
1
0
−1
−2
−3

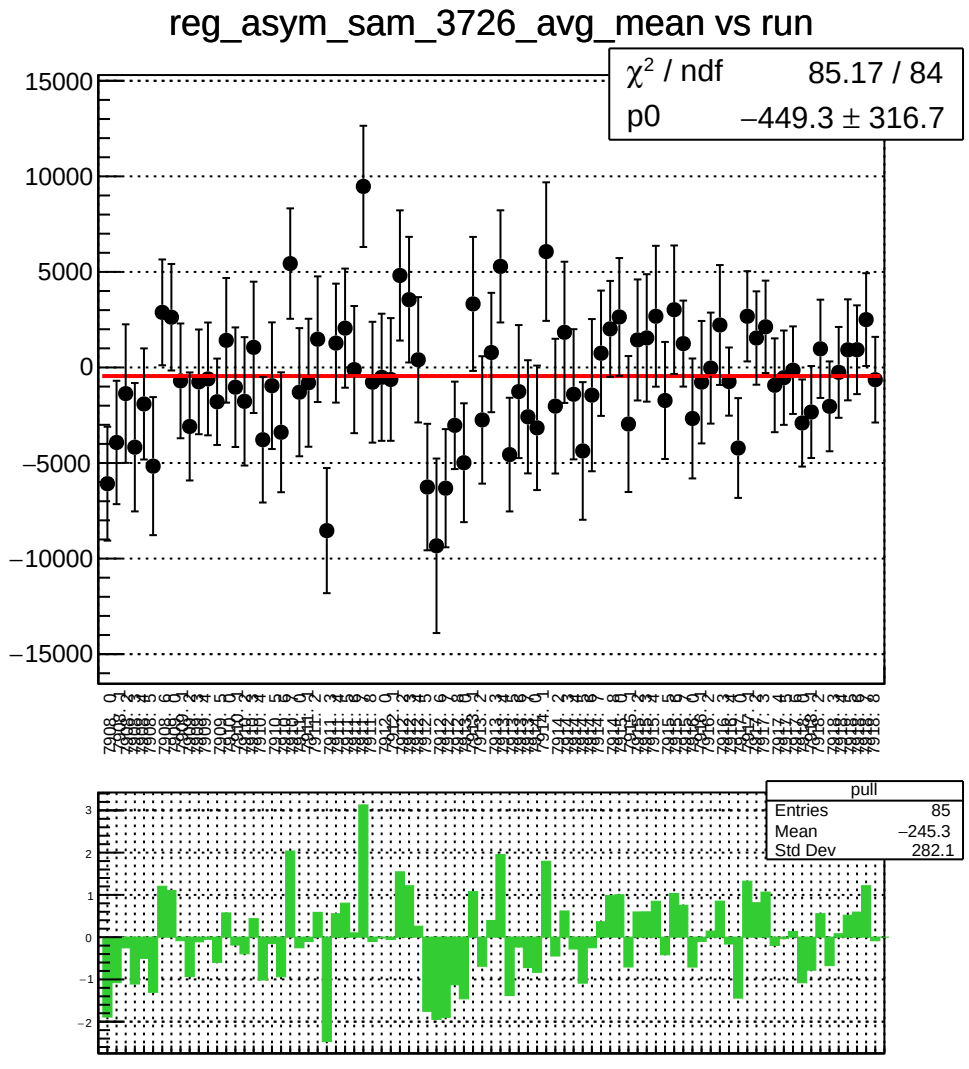

pull1D
Entries 85
Mean 0.007015
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

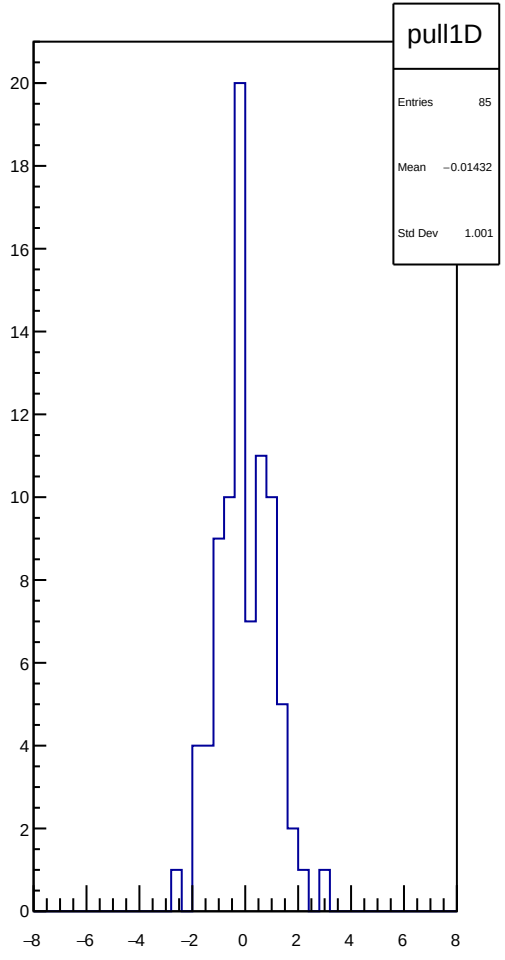

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.059e+04 / 84
p0 1121 ± 0.8822
1500
1400
1300
1200
1100
1000
900

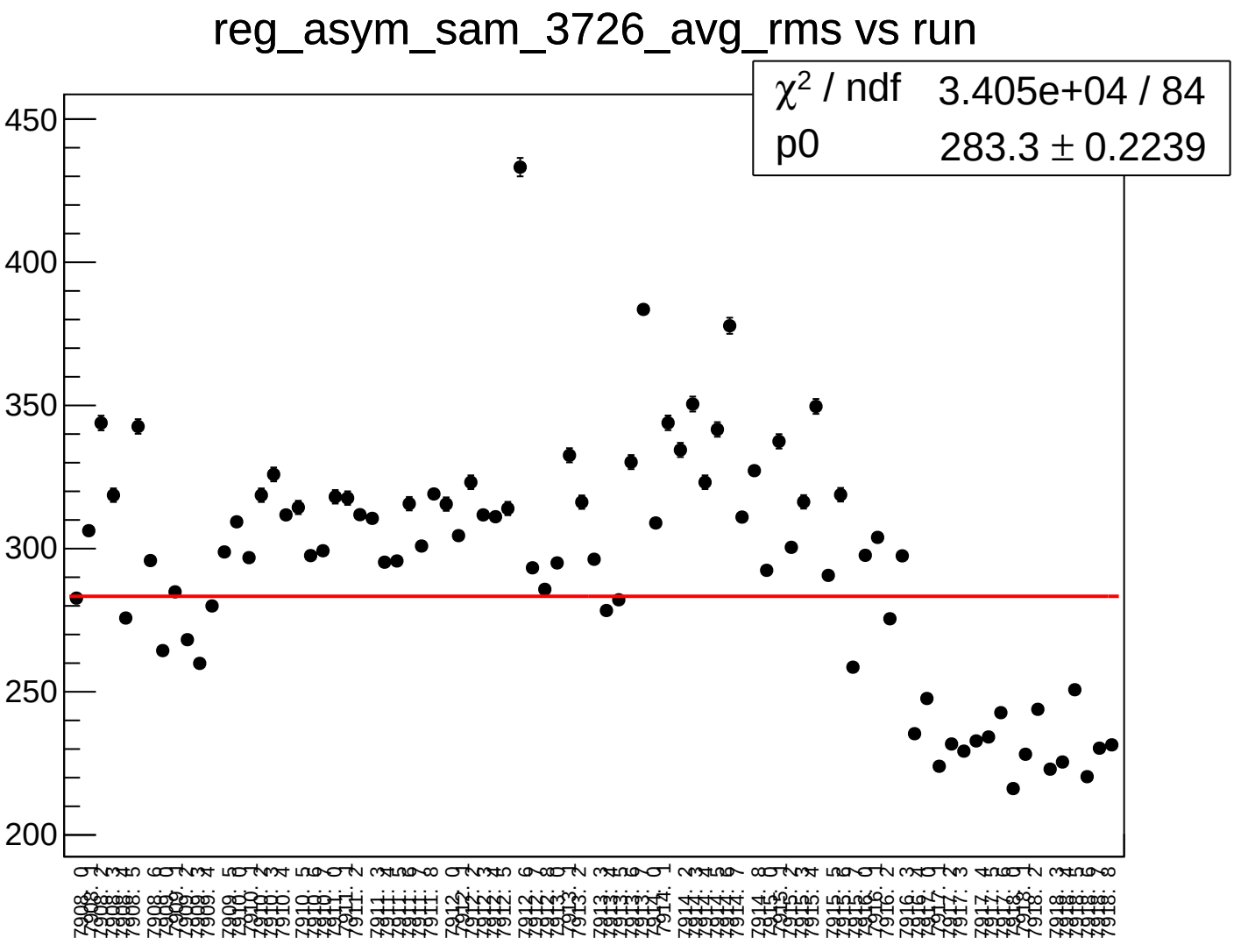

asym_sam_1526_avg_mean vs run
χ² / ndf 107.1 / 84
p0 811.4 ± 1262
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −152.4
Std Dev 202.3
3
2
1
0
−1
−2

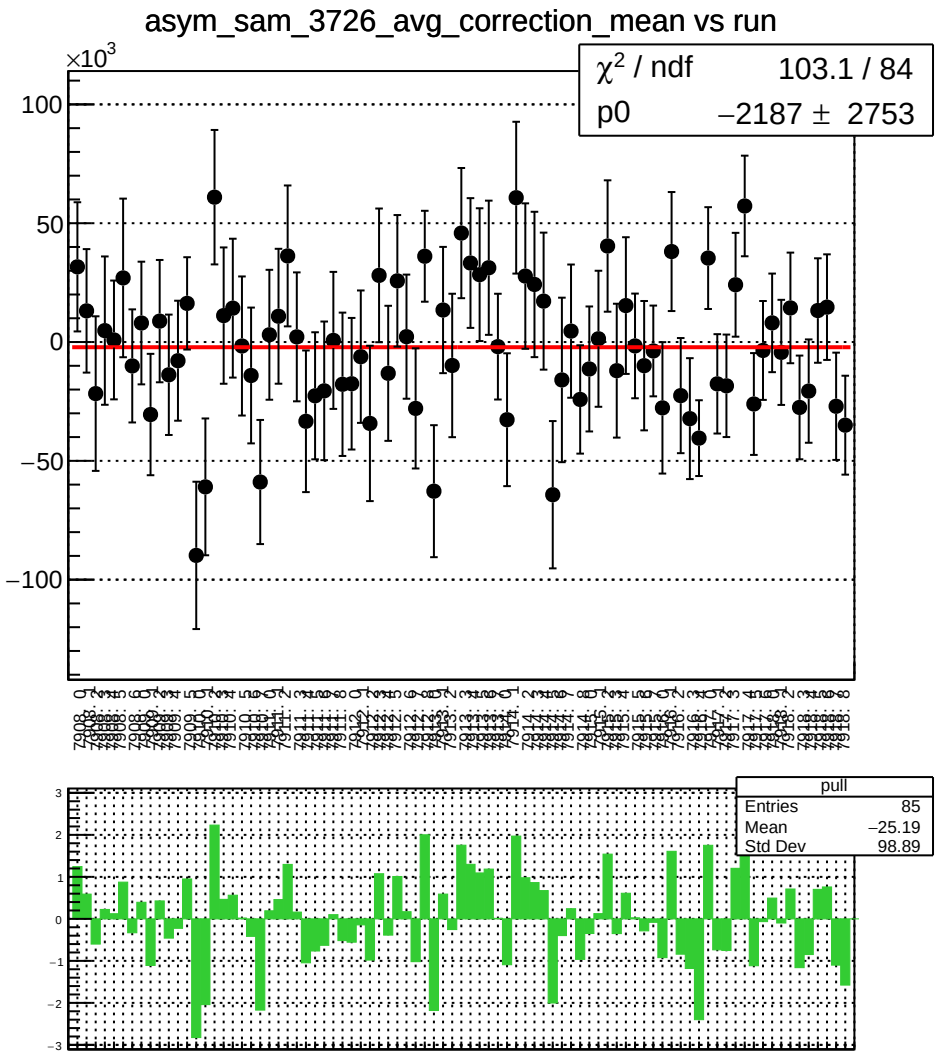

pull1D
Entries 85
Mean −0.007146
Std Dev 1.122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

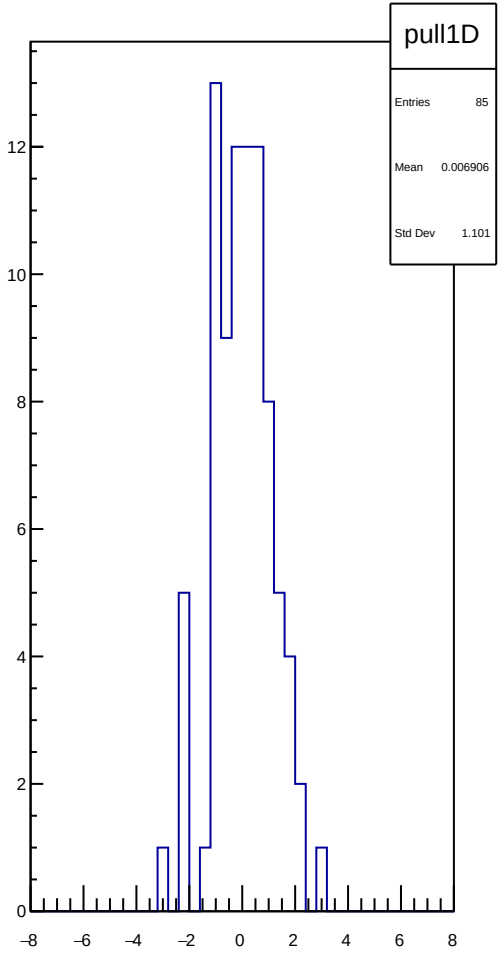

asym_sam_1526_avg_rms vs run
χ² / ndf 2.075e+04 / 84
p0 1134 ± 0.8926
1500
1400
1300
1200
1100
1000
900

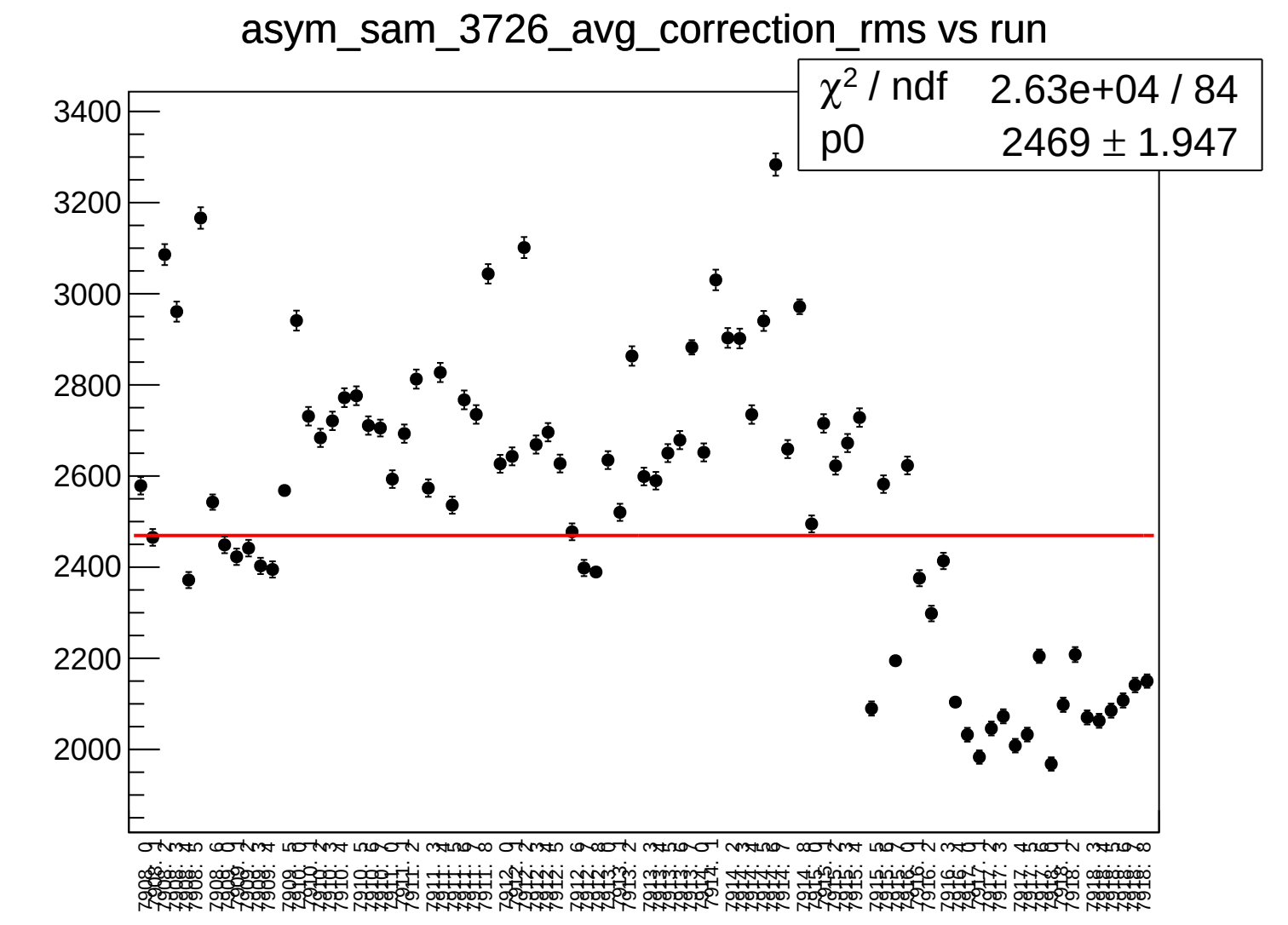

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 85.17 / 84
p0 −449.3 ± 316.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −245.3
Std Dev 282.1
3
2
1
0
−1
−2

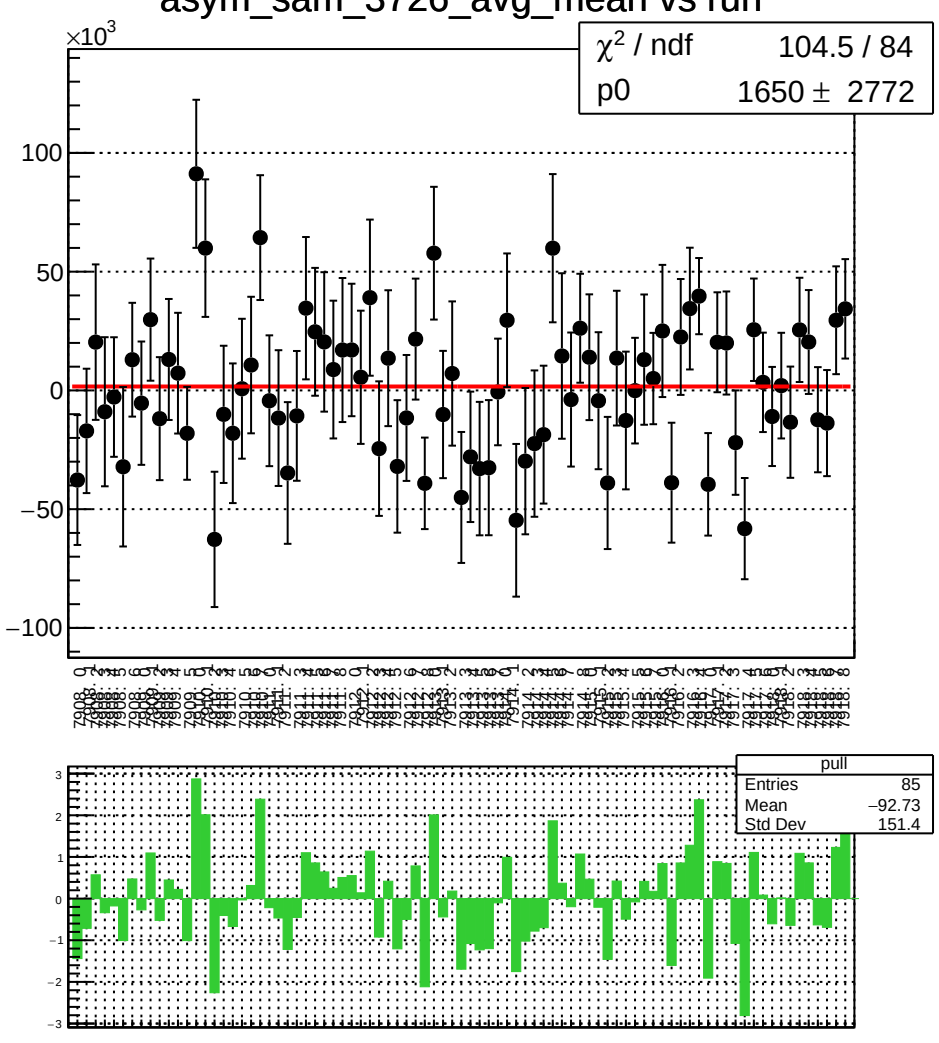

pull1D
Entries 85
Mean −0.01432
Std Dev 1.001
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

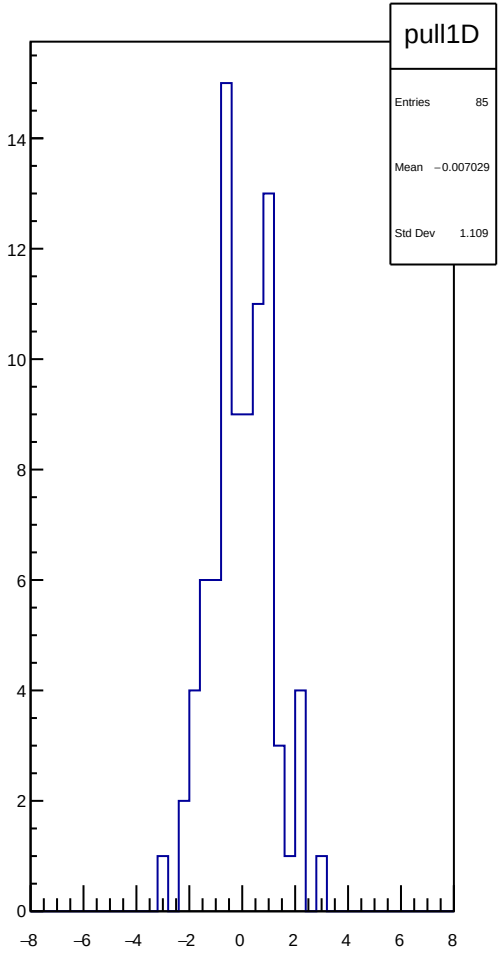

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 3.405e+04 / 84
p0 283.3 ± 0.2239
450
400
350
300
250
200

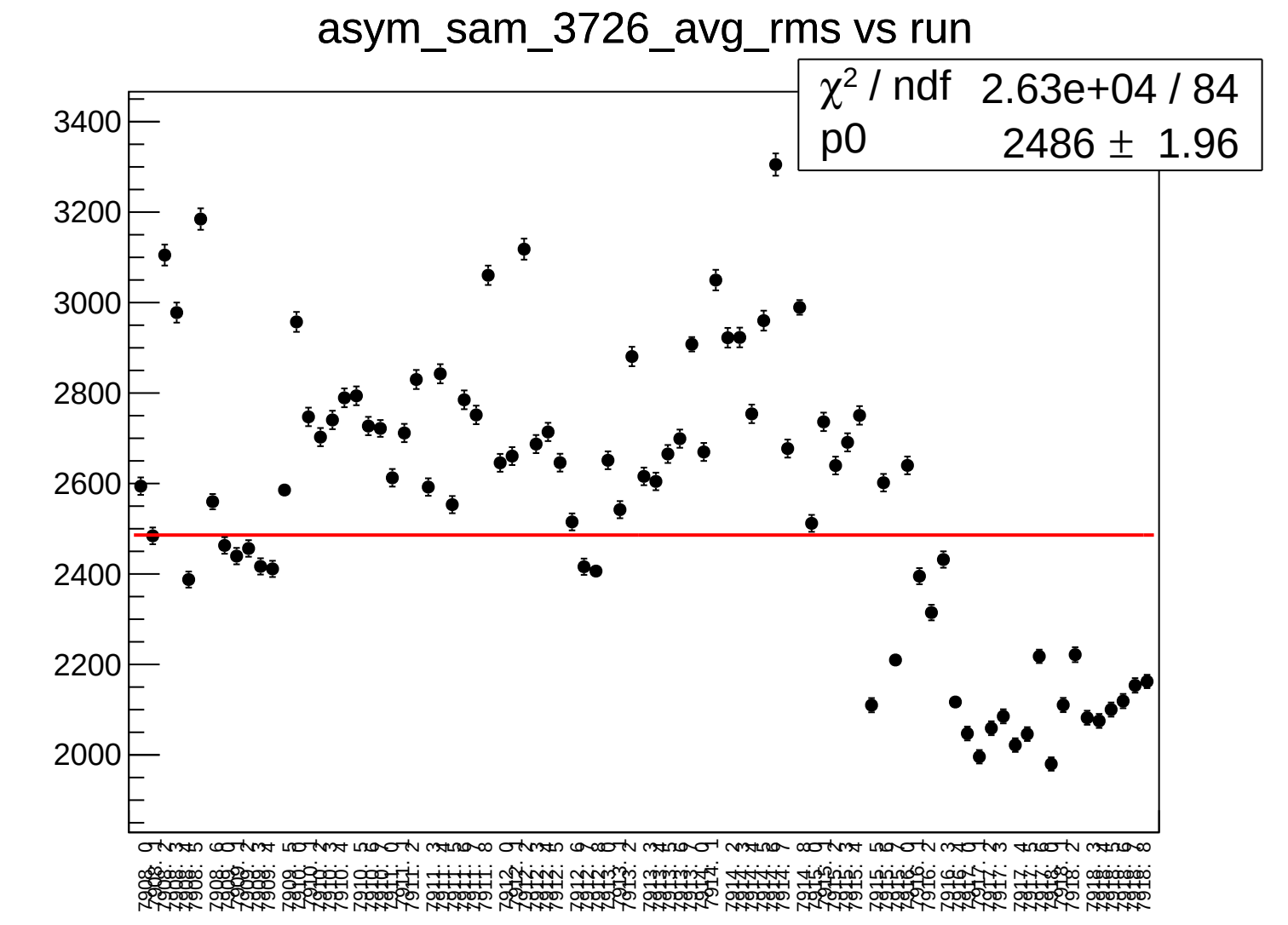

asym_sam_3726_avg_correction_mean vs run
×10^3
χ² / ndf 103.1 / 84
p0 −2187 ± 2753
100
50
0
−50
−100
pull
Entries 85
Mean −25.19
Std Dev 98.89
3
2
1
0
−1
−2
−3

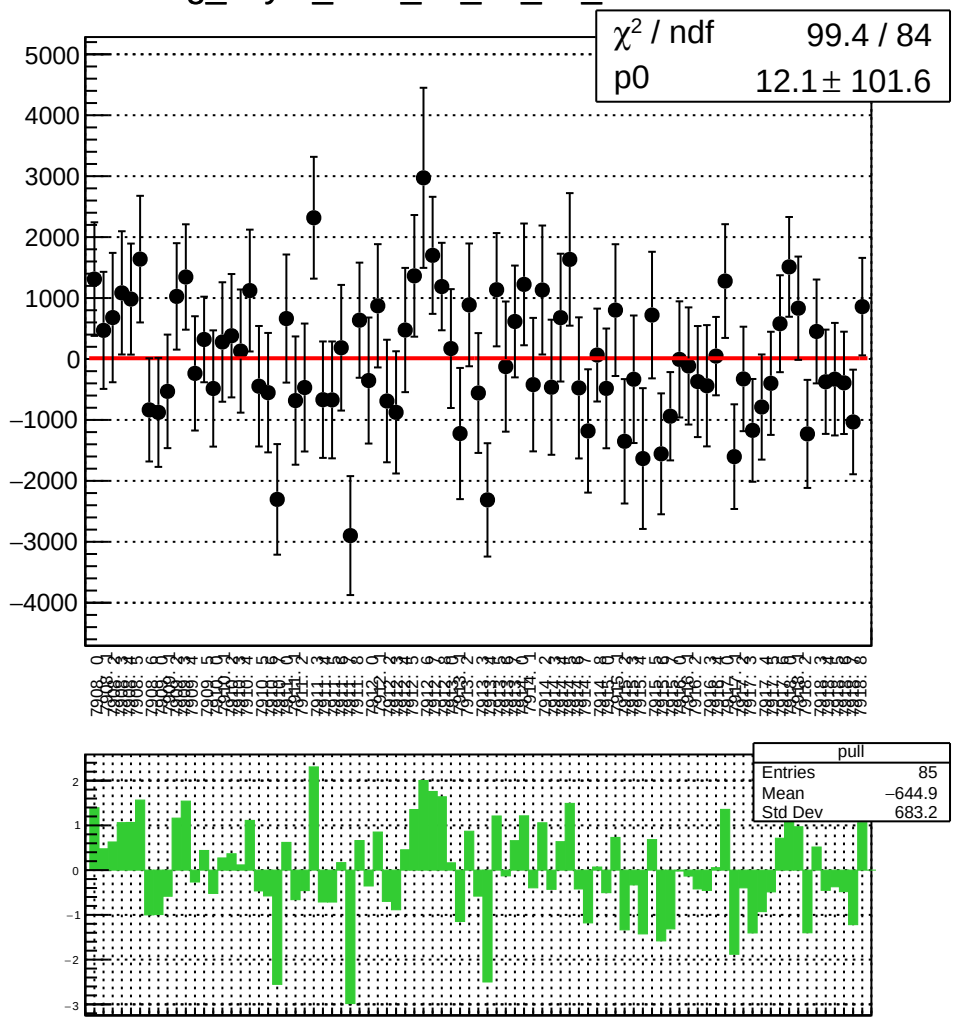

pull1D
Entries 85
Mean 0.006906
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

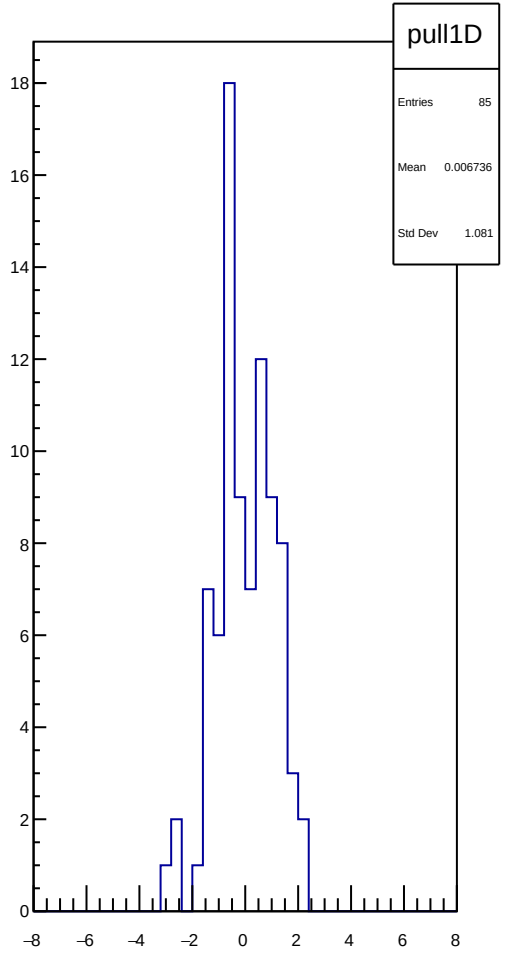

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2.63e+04 / 84
p0 2469 ± 1.947
3400
3200
3000
2800
2600
2400
2200
2000

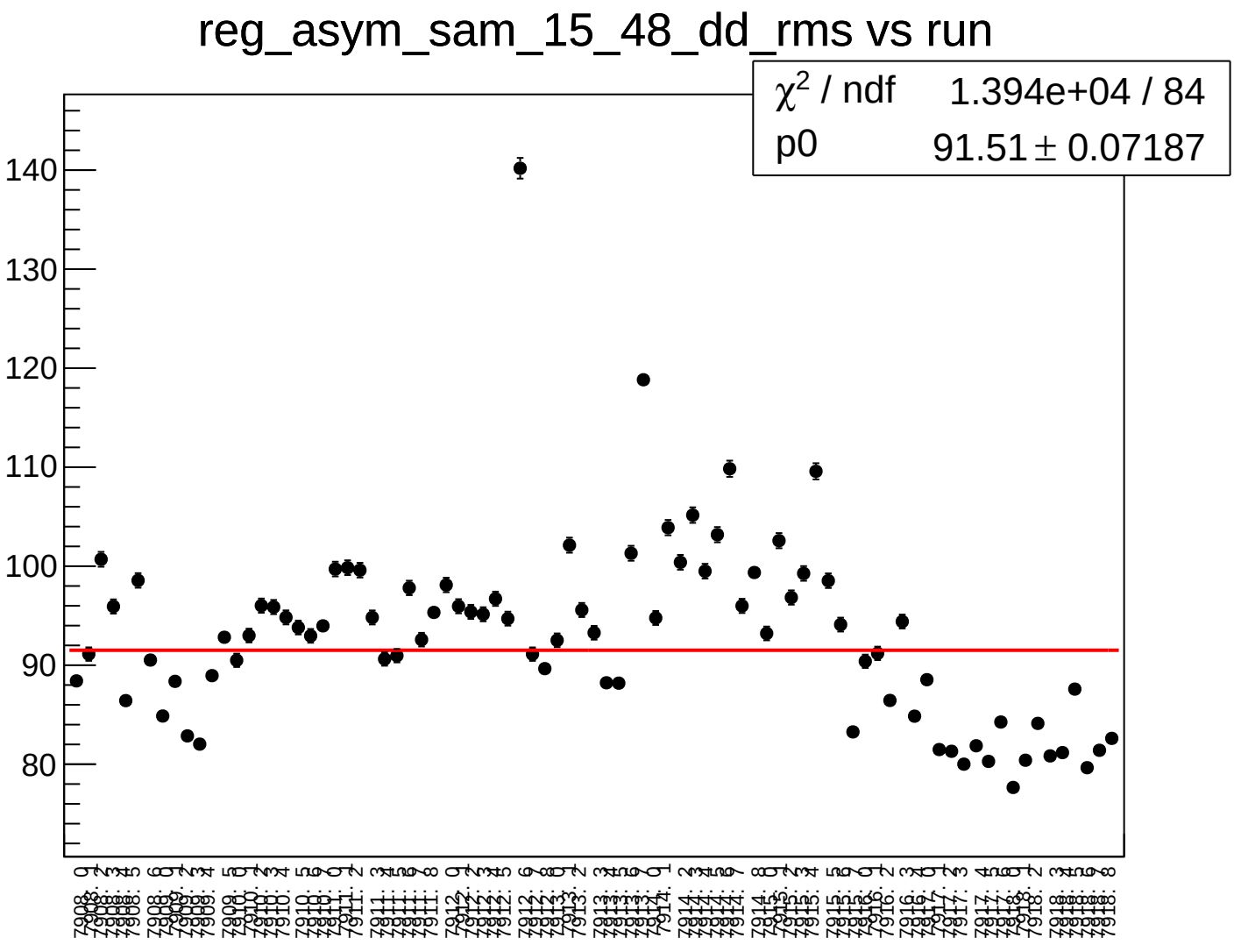

asym_sam_3726_avg_mean vs run
χ² / ndf 104.5 / 84
p0 1650 ± 2772
pull
Entries 85
Mean −92.73
Std Dev 151.4

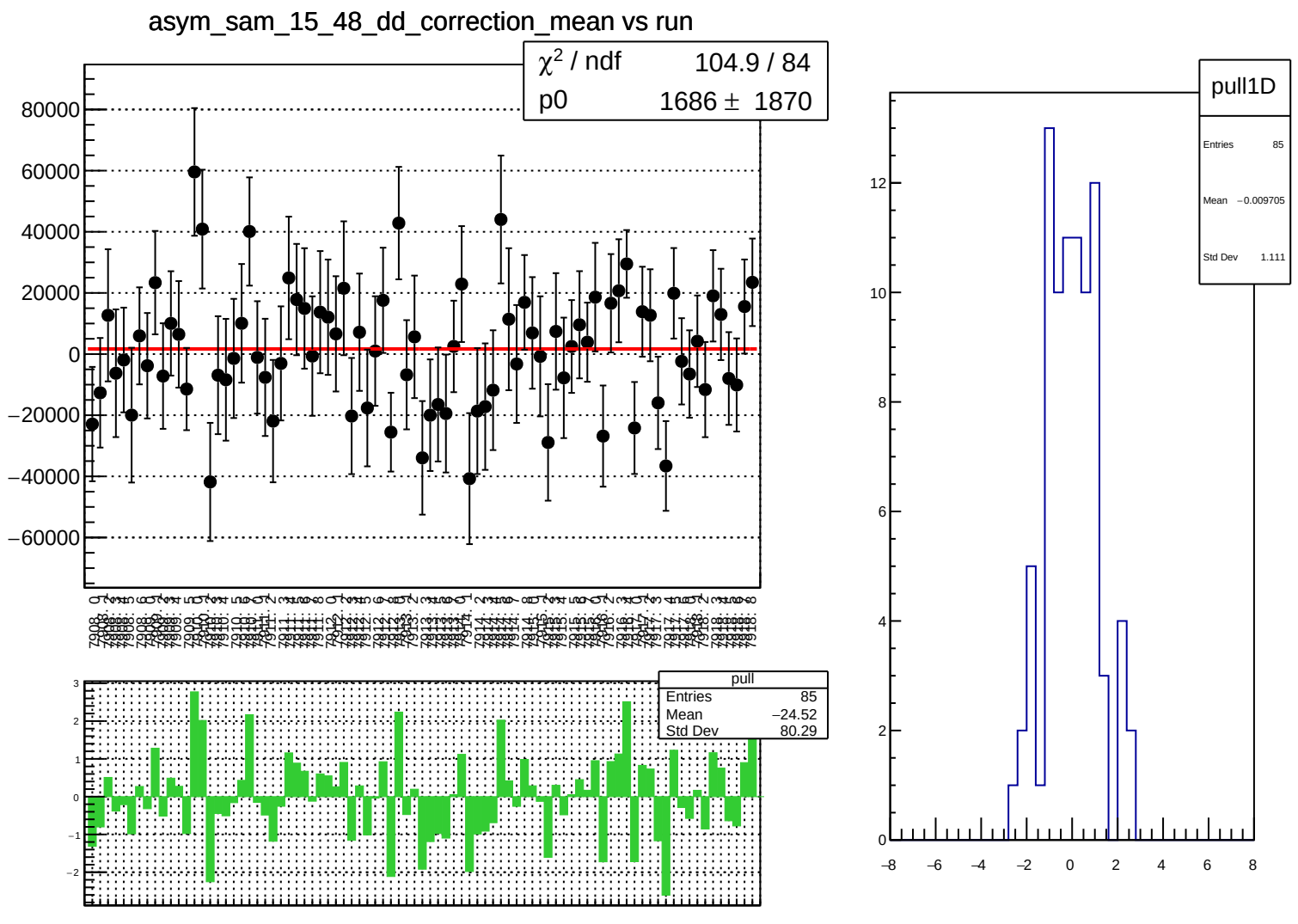

pull1D
Entries 85
Mean −0.007029
Std Dev 1.109

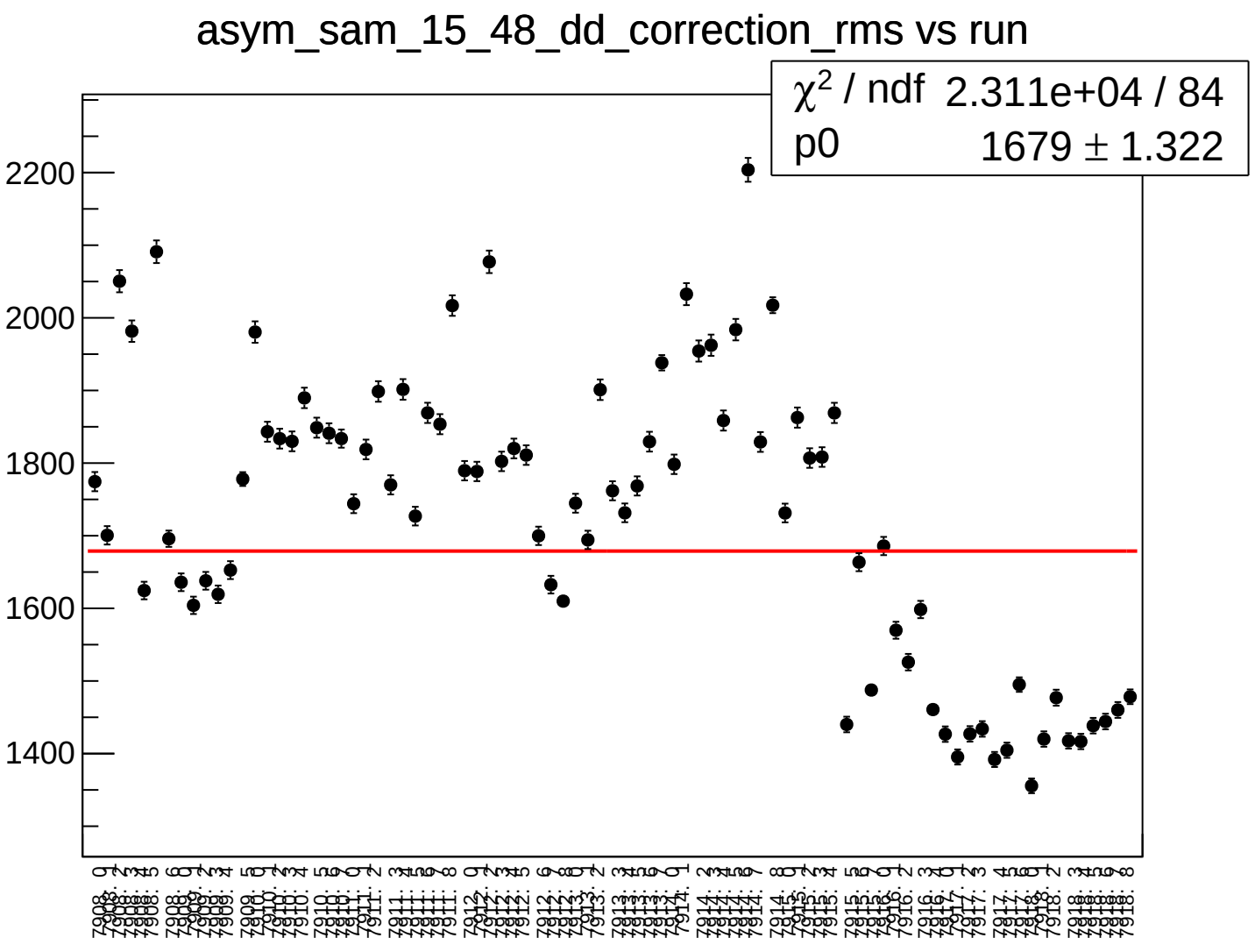

asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.63e+04 / 84
p0 2486 ± 1.96
3400
3200
3000
2800
2600
2400
2200
2000

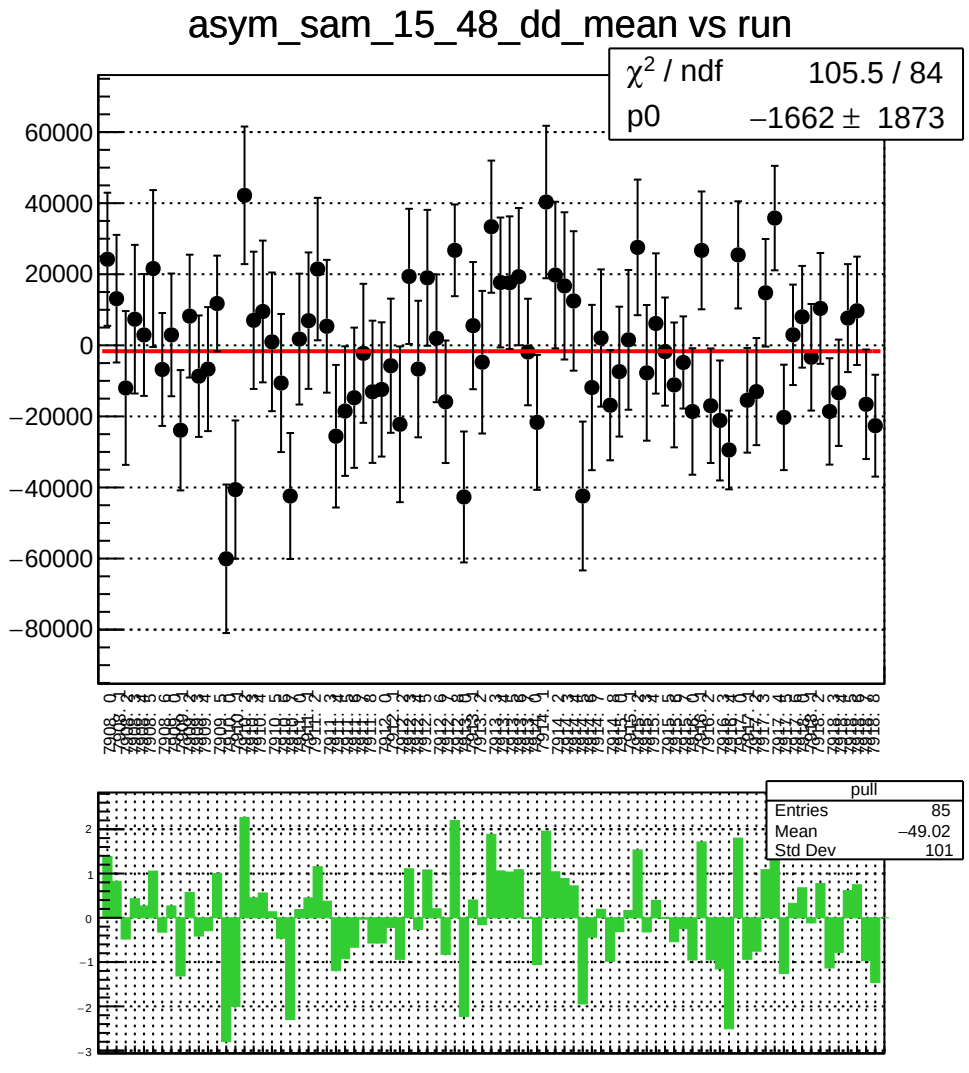

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 99.4 / 84
p0 12.1 ± 101.6
pull
Entries 85
Mean −644.9
Std Dev 683.2

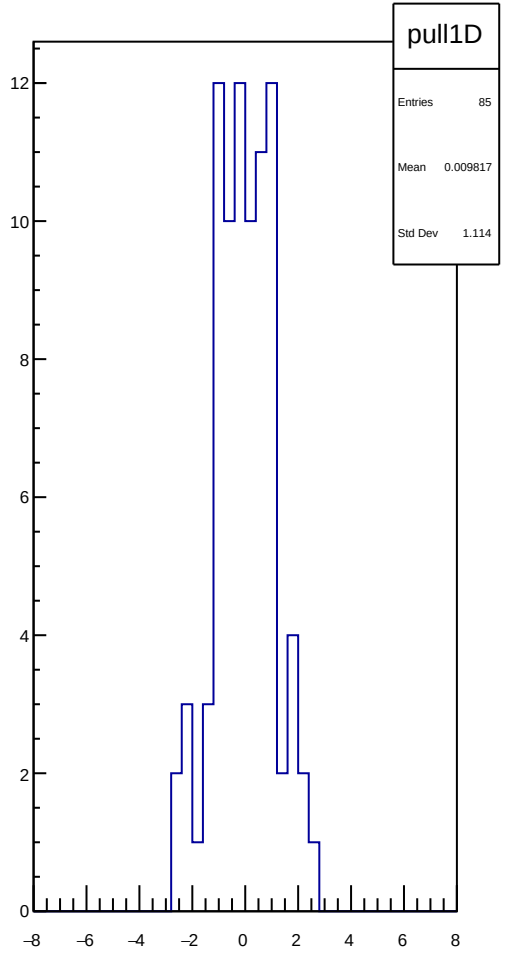

pull1D
Entries 85
Mean 0.006736
Std Dev 1.081

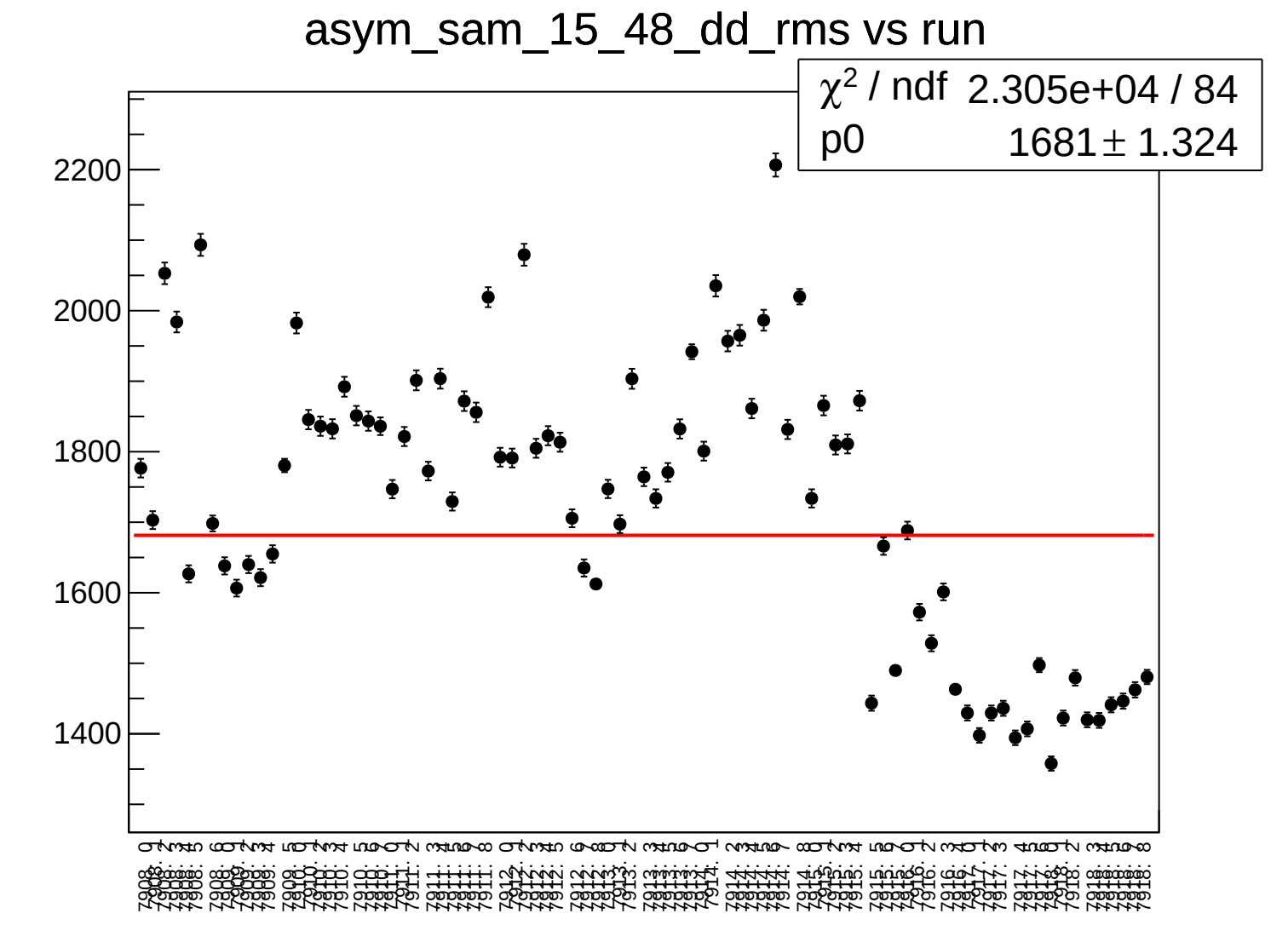

reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.394e+04 / 84
p0 91.51 ± 0.07187
140
130
120
110
100
90
80

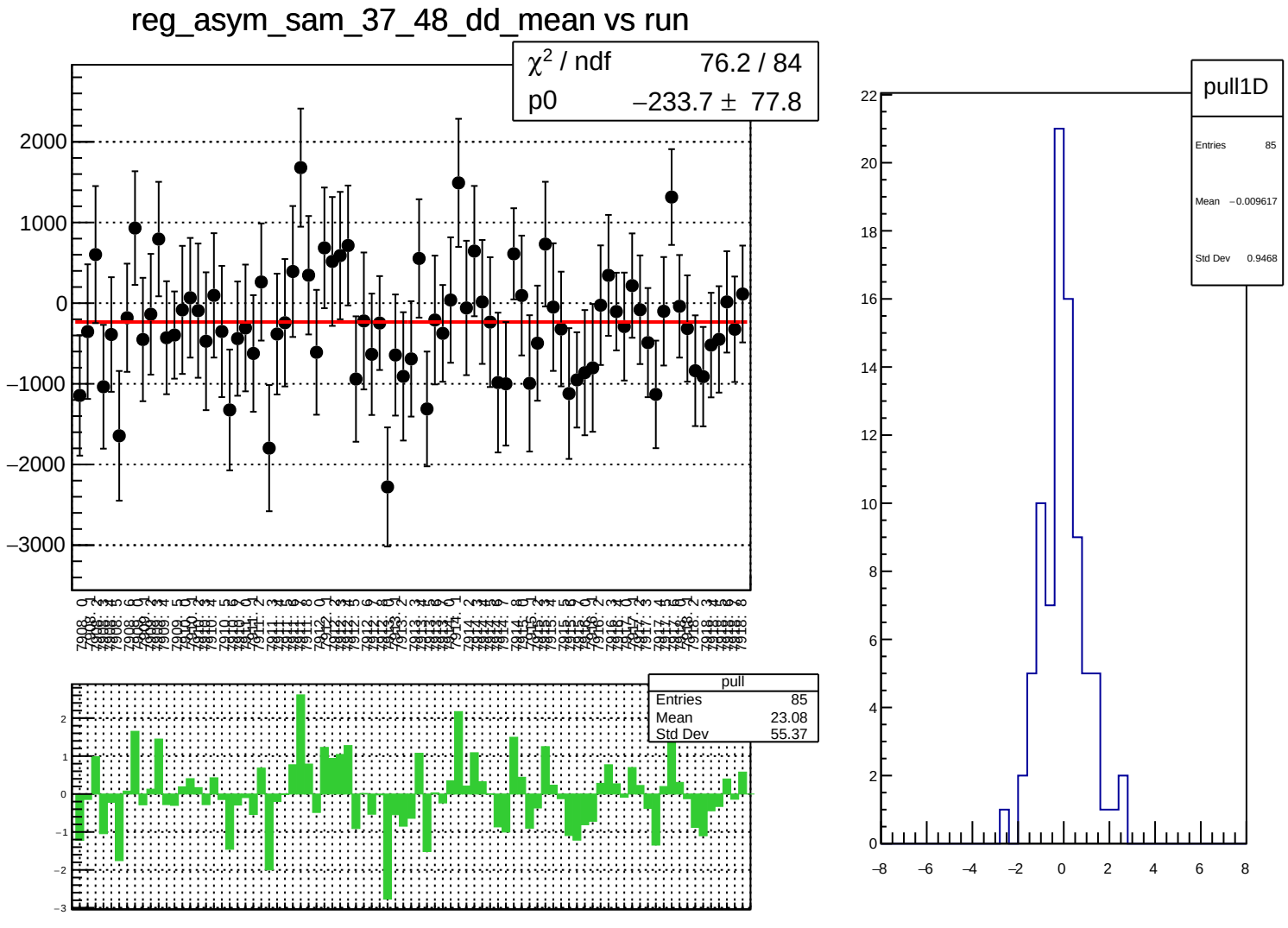

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 104.9 / 84
p0 1686 ± 1870
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −24.52
Std Dev 80.29
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009705
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

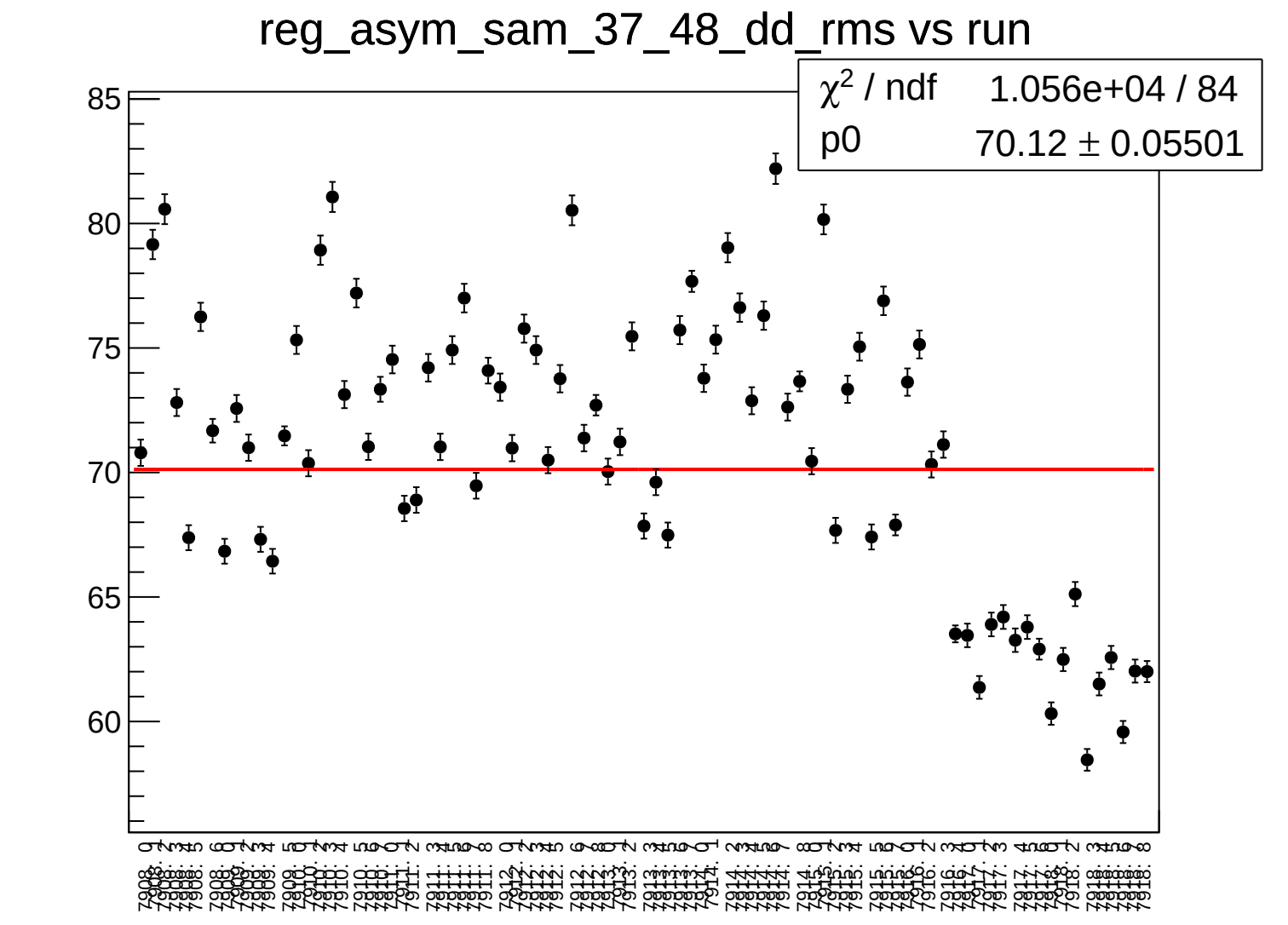

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.311e+04 / 84
p0 1679 ± 1.322
2200
2000
1800
1600
1400

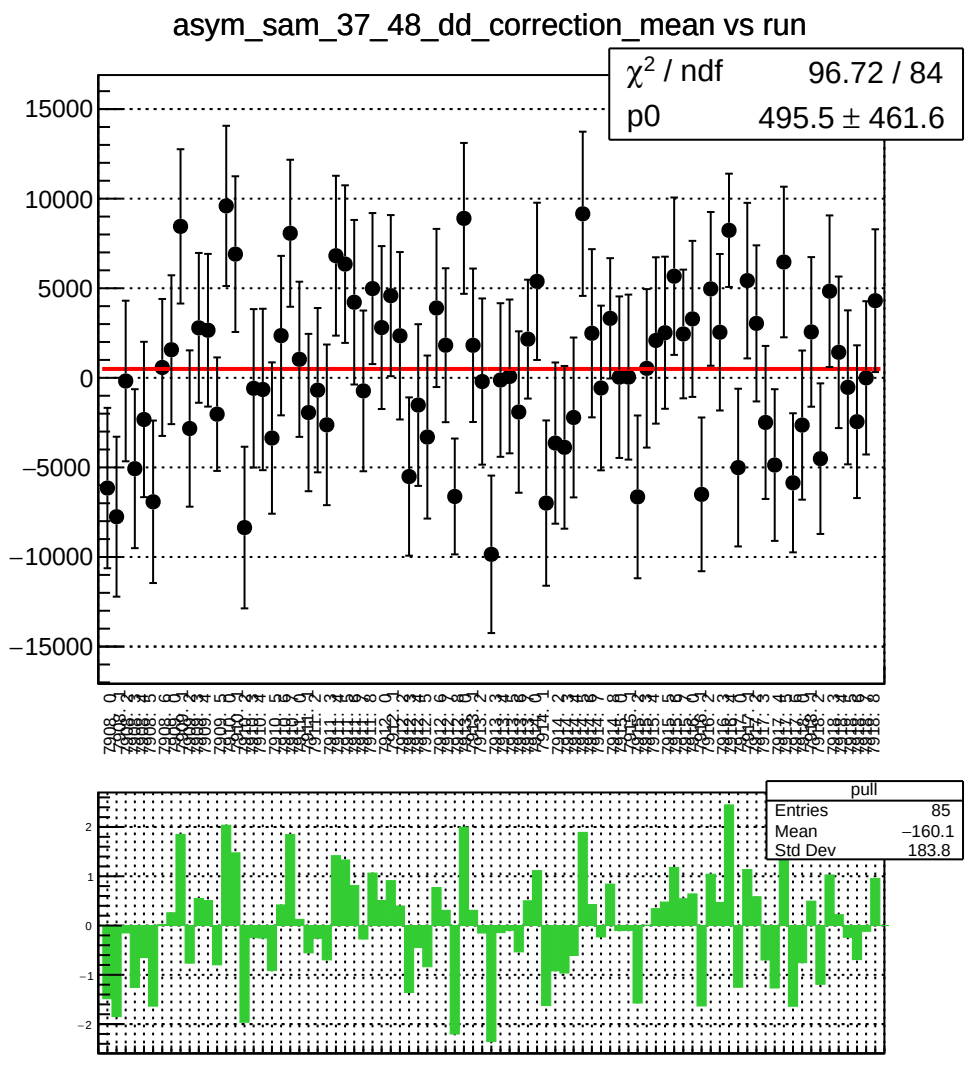

asym_sam_15_48_dd_mean vs run
χ² / ndf 105.5 / 84
p0 −1662 ± 1873
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −49.02
Std Dev 101
2
1
0
−1
−2
−3

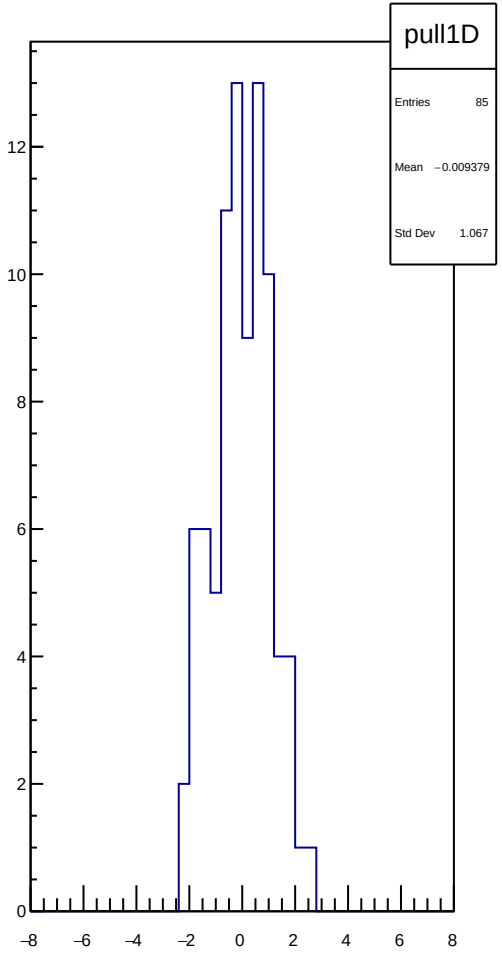

pull1D
Entries 85
Mean 0.009817
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

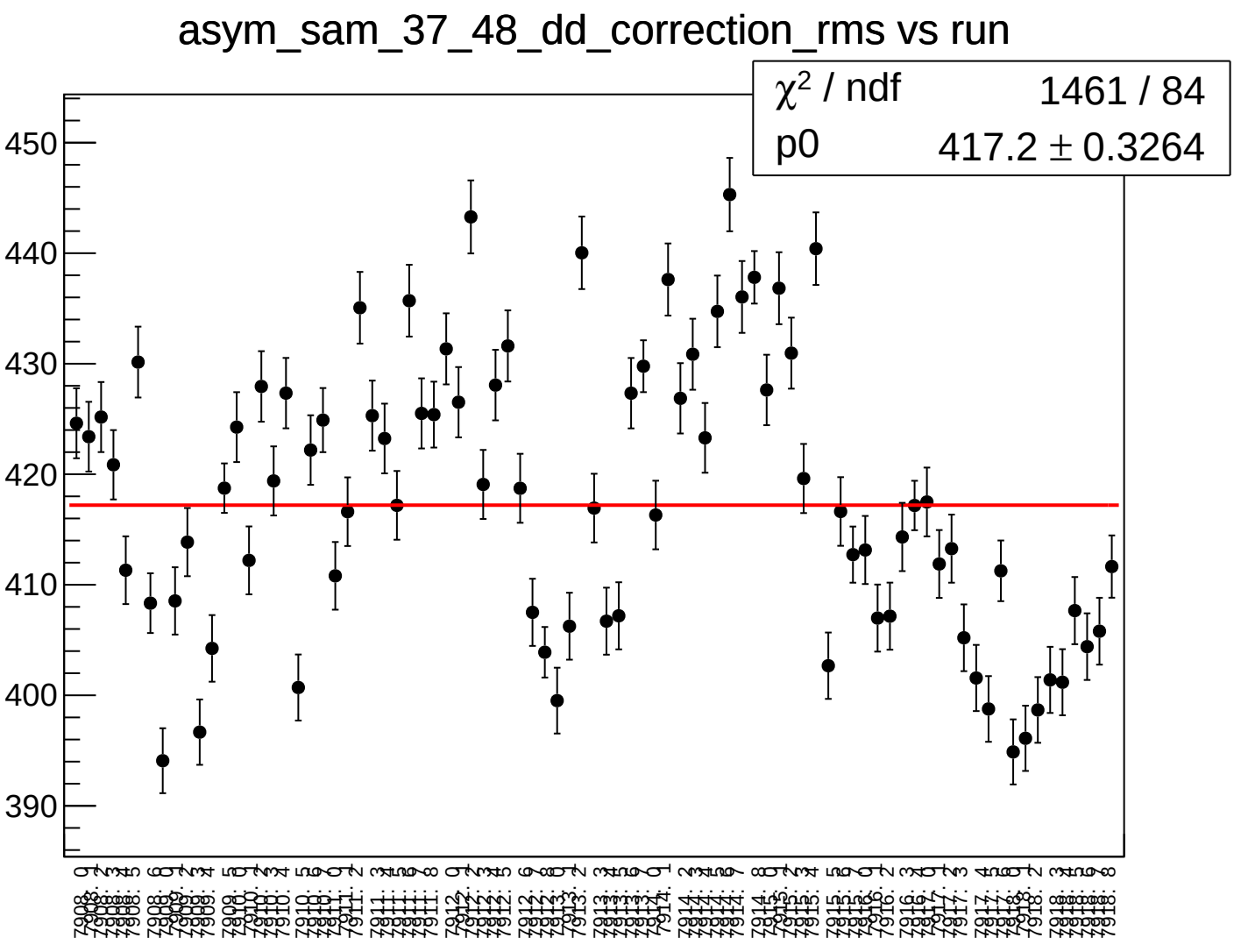

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.305e+04 / 84
p0 1681 ± 1.324
2200
2000
1800
1600
1400

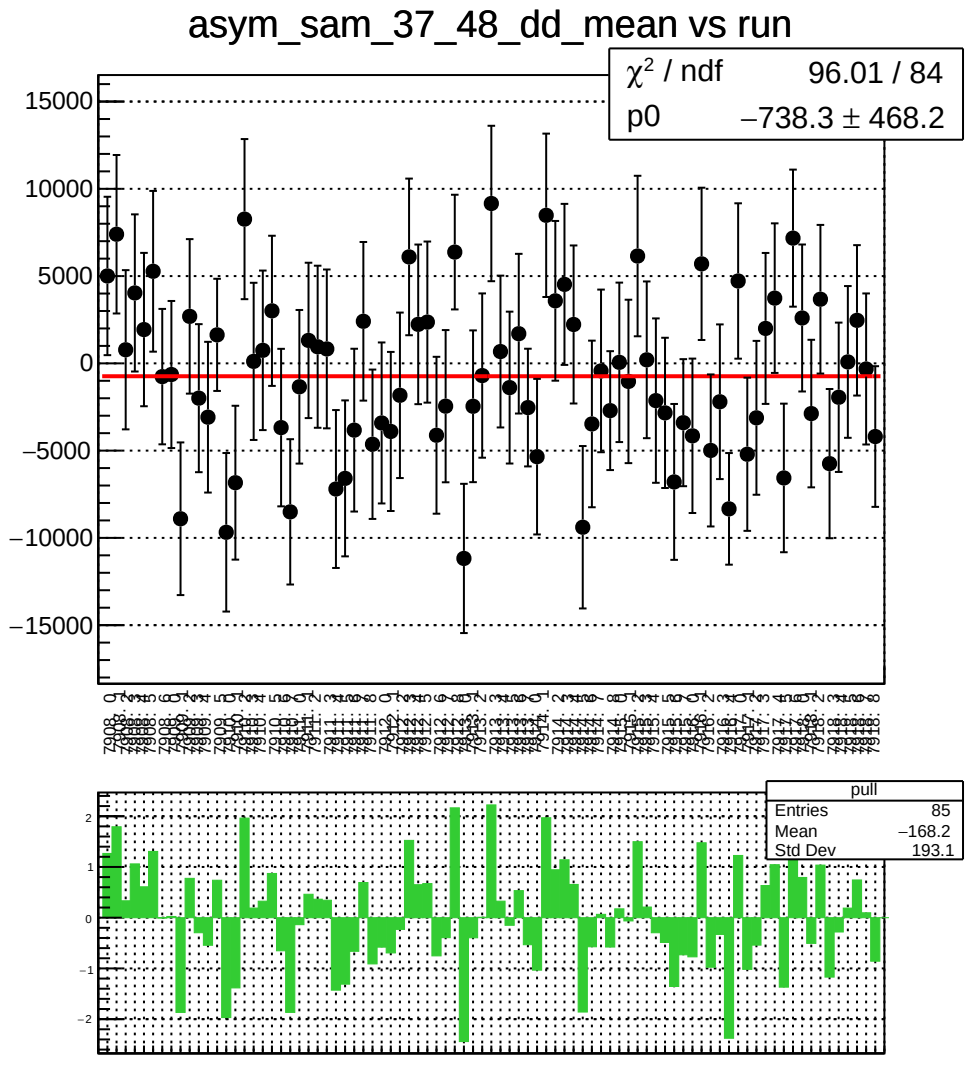

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 76.2 / 84
p0 −233.7 ± 77.8
pull
Entries 85
Mean 23.08
Std Dev 55.37
pull1D
Entries 85
Mean −0.009617
Std Dev 0.9468

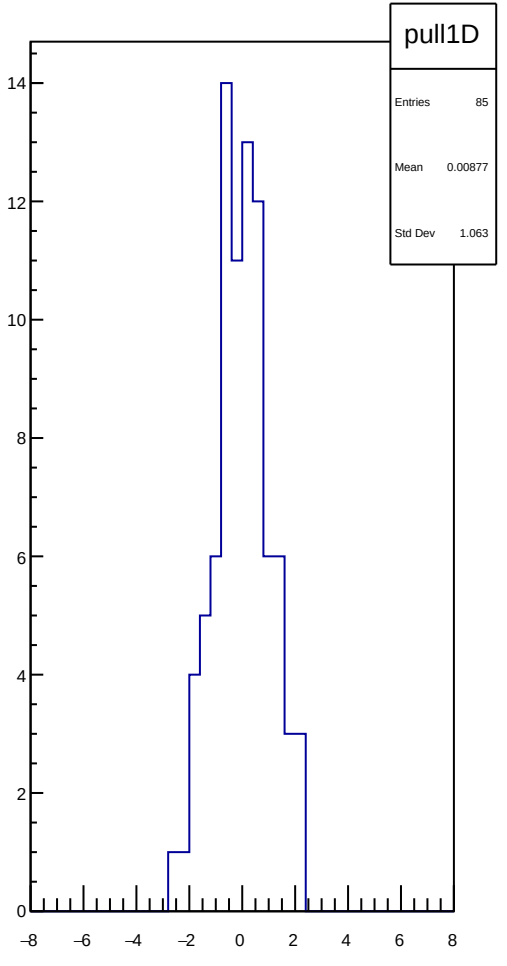

reg_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.056e+04 / 84
p0 70.12 ± 0.05501
85
80
75
70
65
60

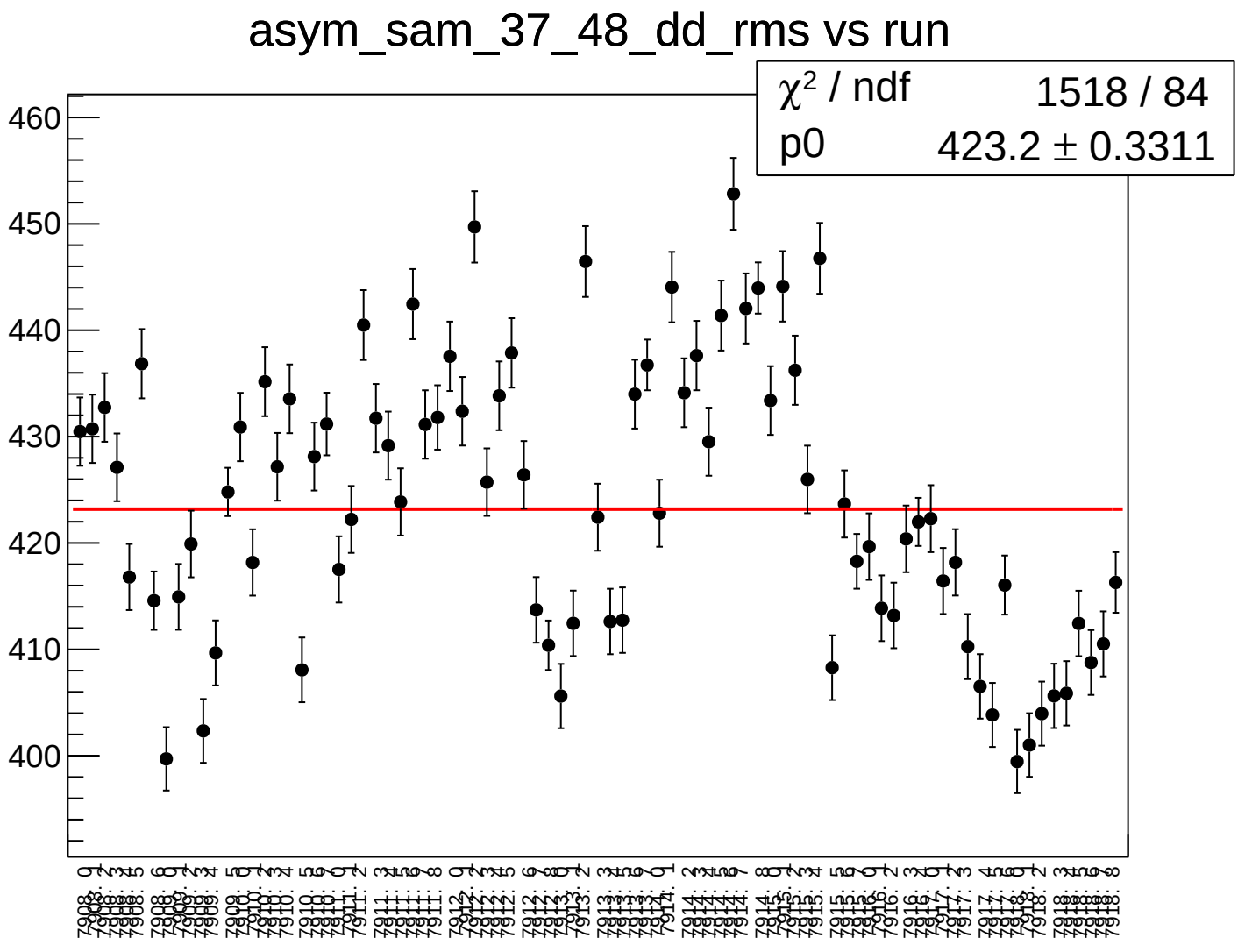

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 96.72 / 84
p0 495.5 ± 461.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −160.1
Std Dev 183.8
2
1
0
−1
−2

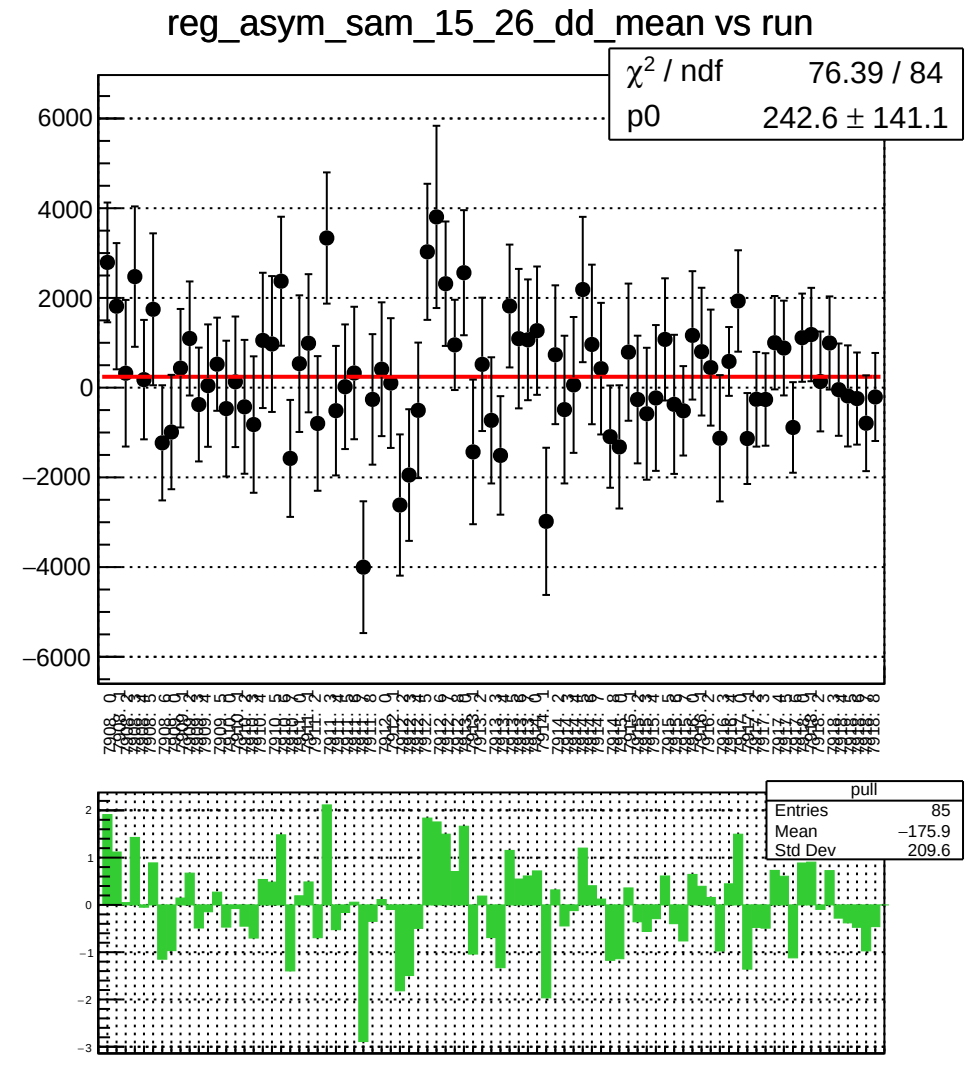

pull1D
Entries 85
Mean −0.009379
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

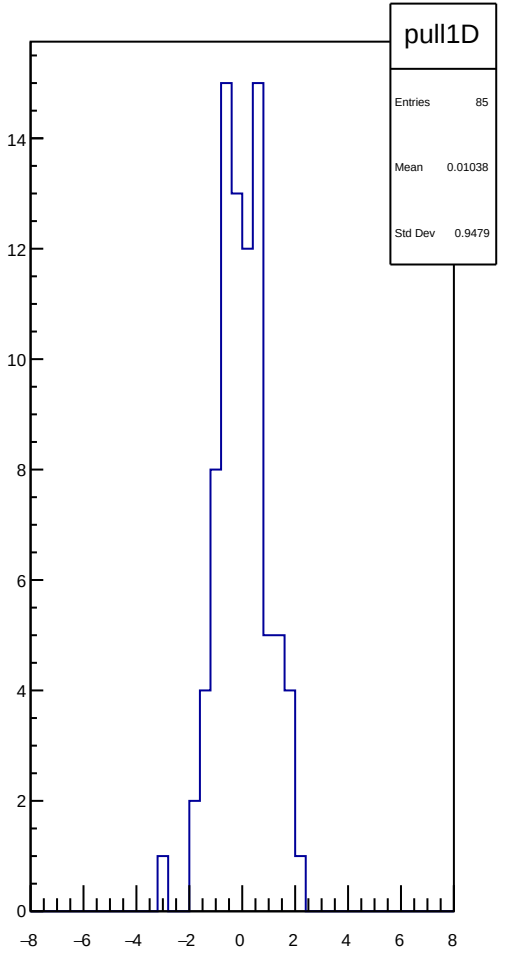

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1461 / 84
p0 417.2 ± 0.3264
450
440
430
420
410
400
390

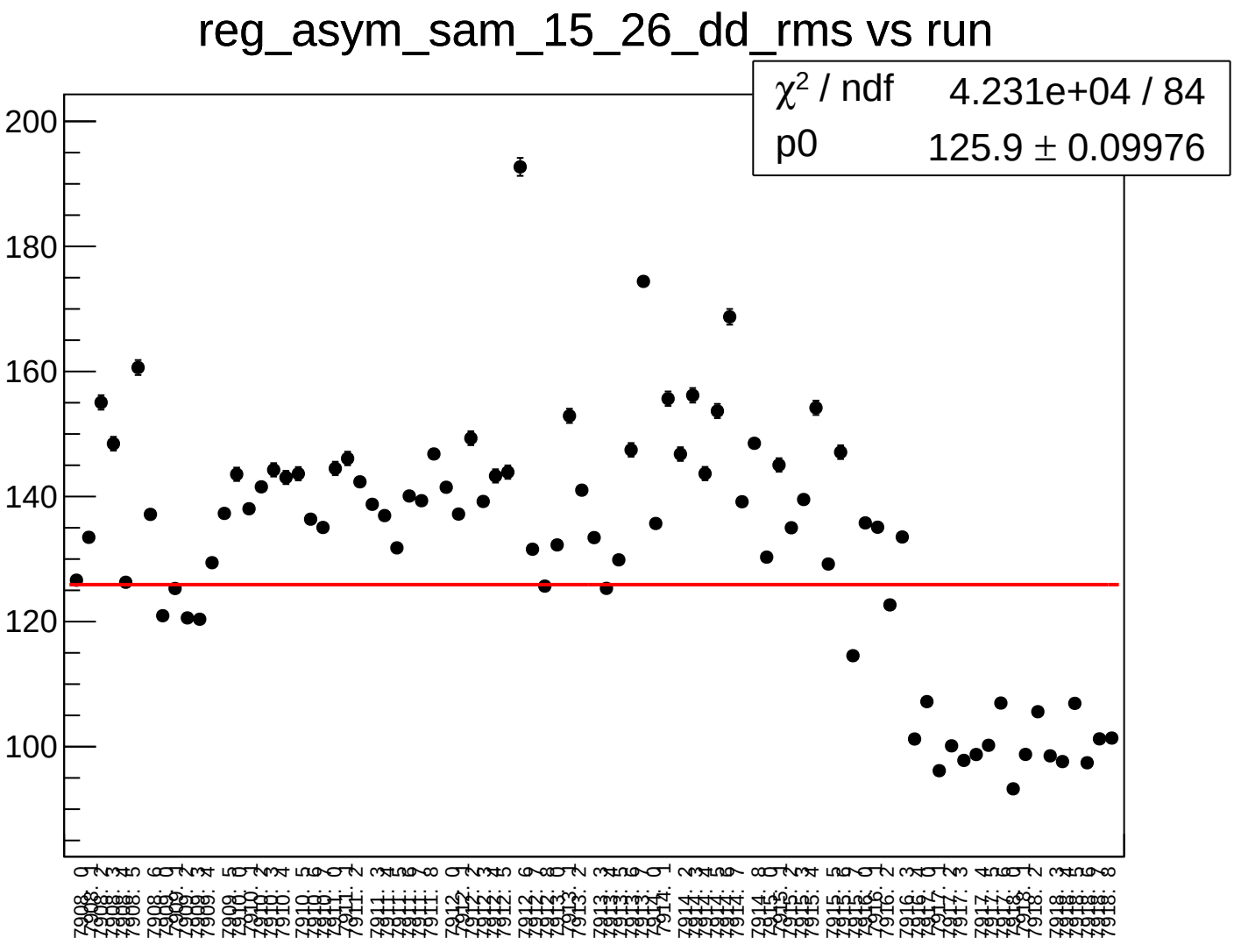

asym_sam_37_48_dd_mean vs run
χ² / ndf 96.01 / 84
p0 −738.3 ± 468.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −168.2
Std Dev 193.1
2
1
0
−1
−2

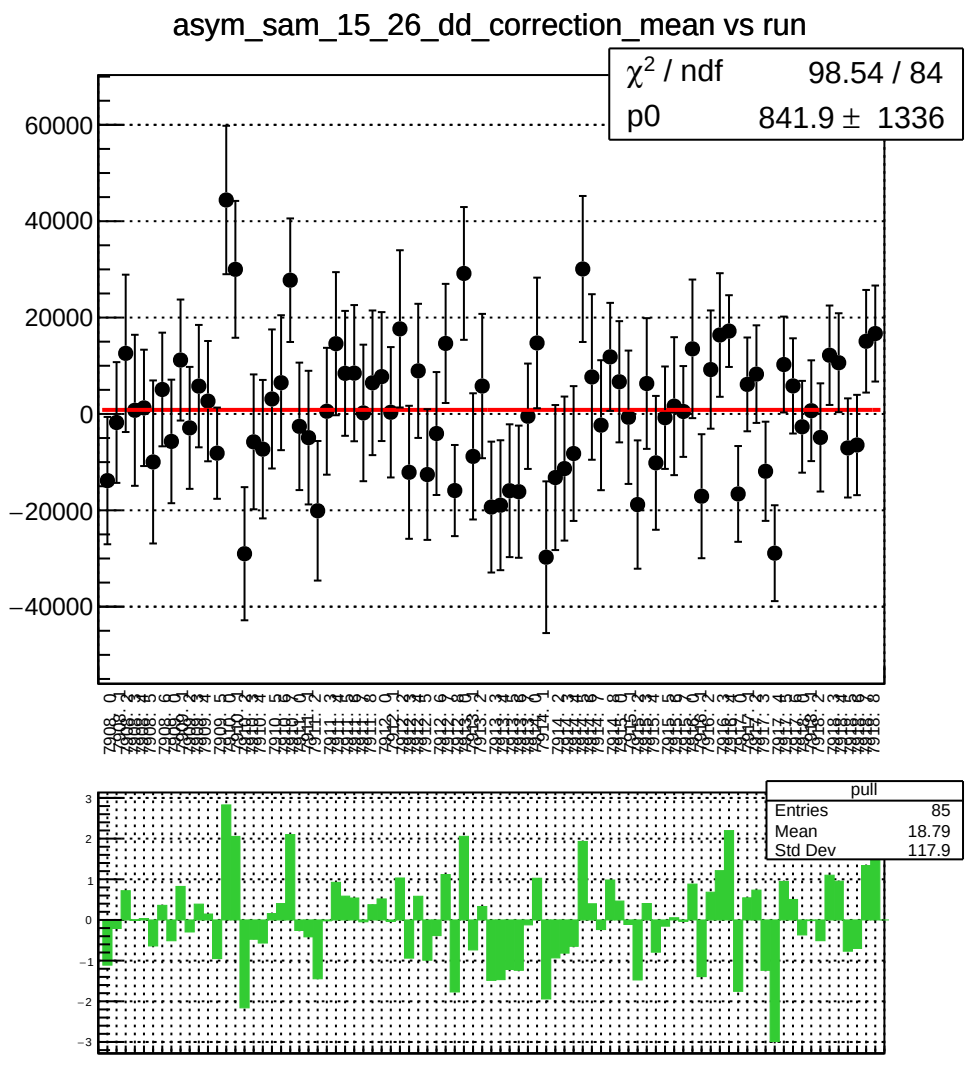

pull1D
Entries 85
Mean 0.00877
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

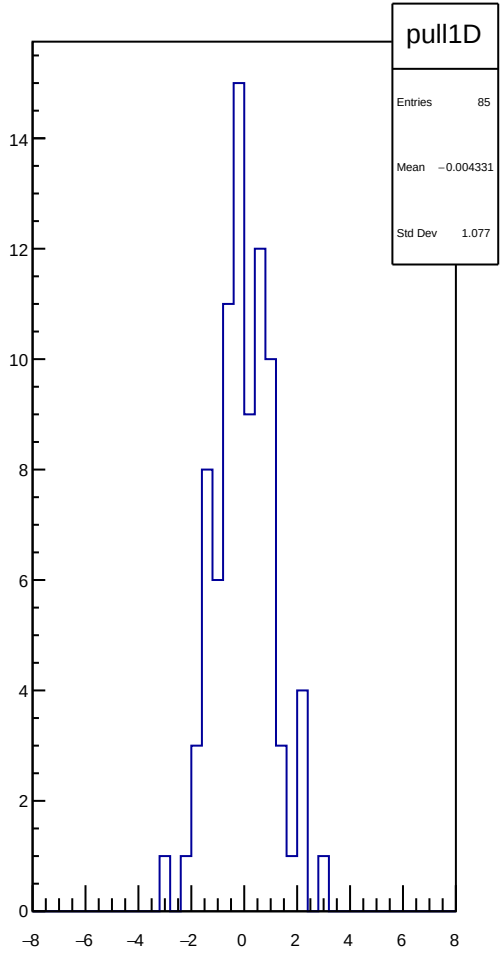

asym_sam_37_48_dd_rms vs run
χ² / ndf 1518 / 84
p0 423.2 ± 0.3311
460
450
440
430
420
410
400

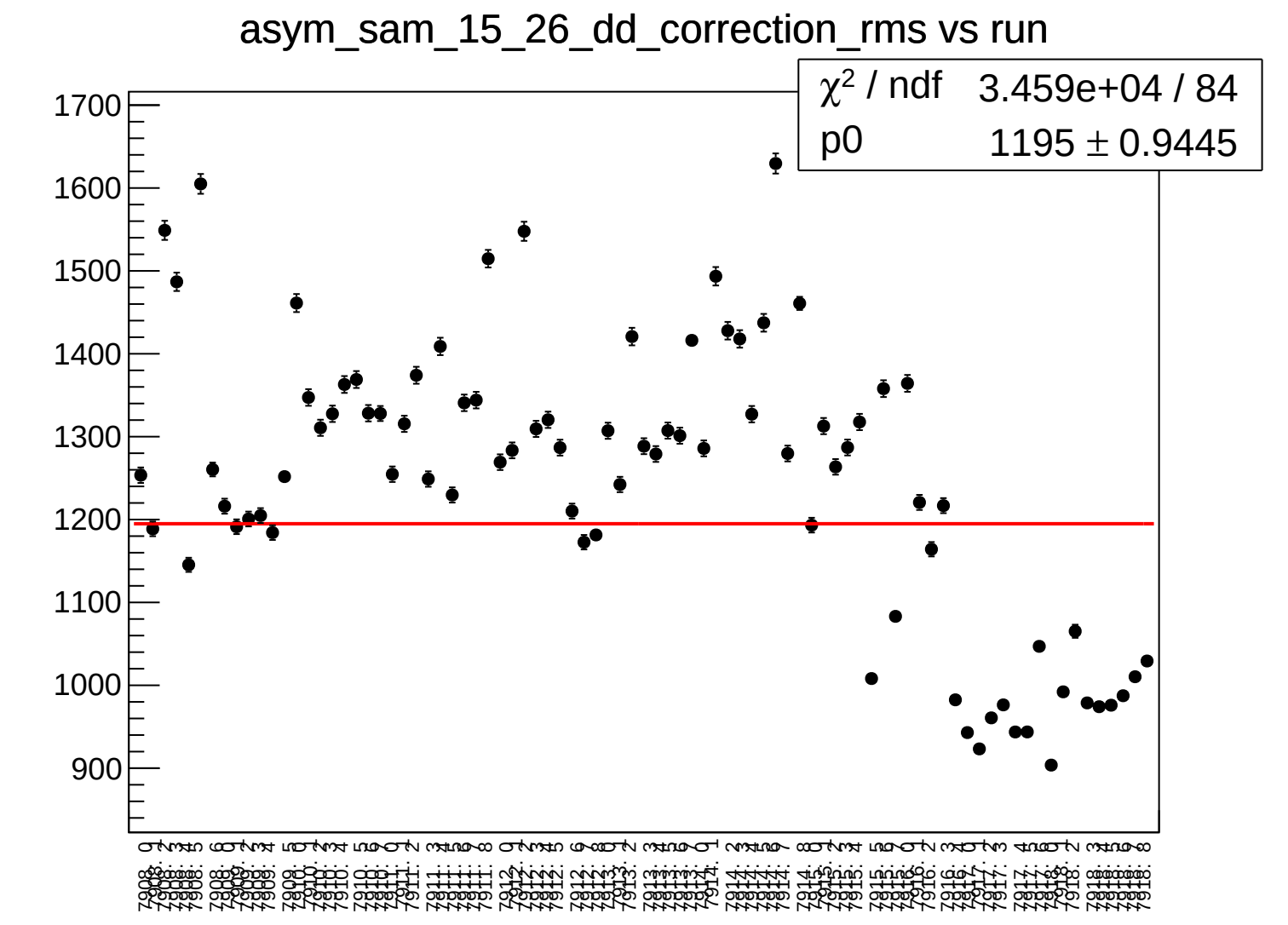

reg_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 76.39 / 84
p0 242.6 ± 141.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −175.9
Std Dev 209.6
2
1
0
−1
−2
−3

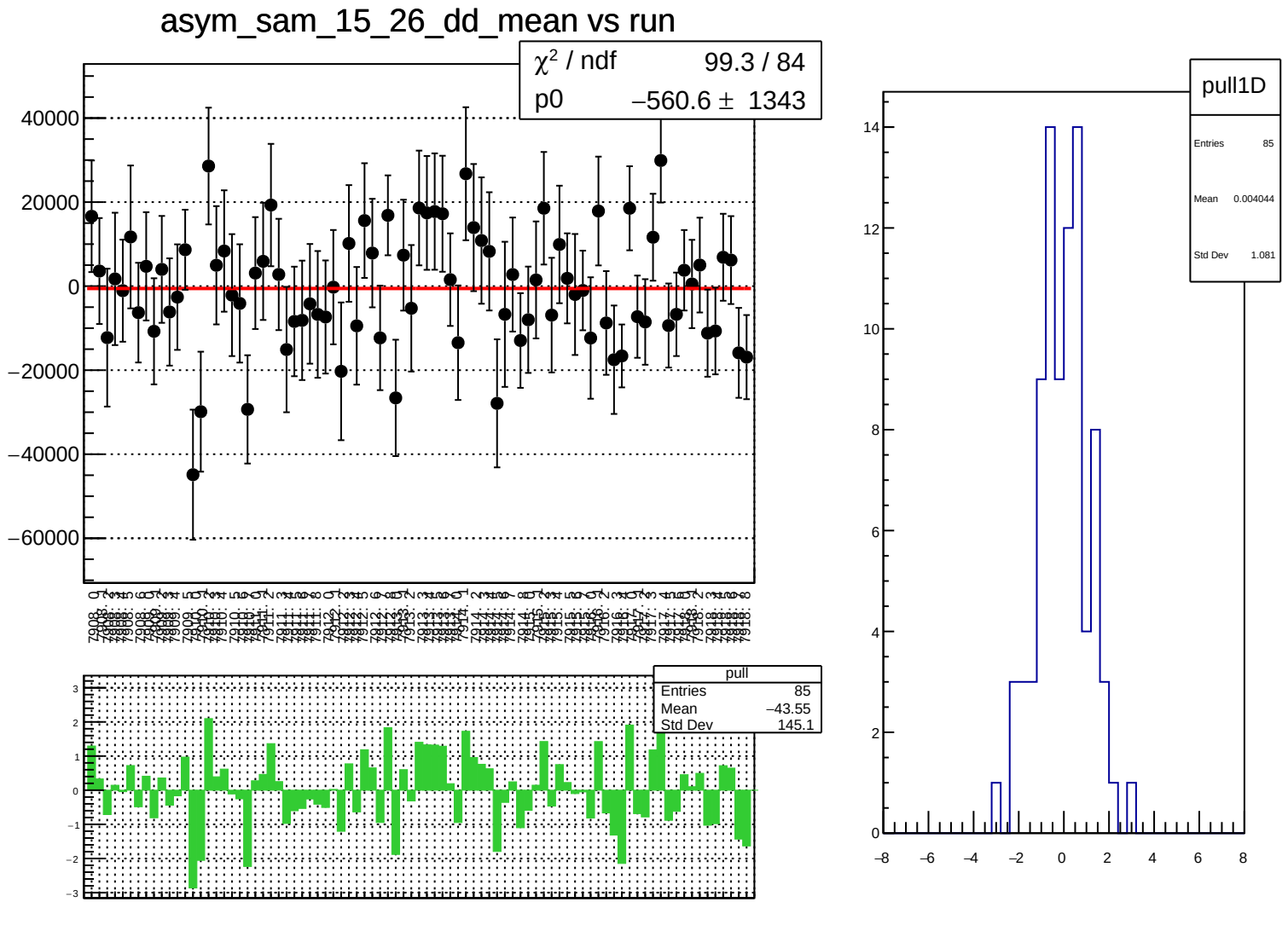

pull1D
Entries 85
Mean 0.01038
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

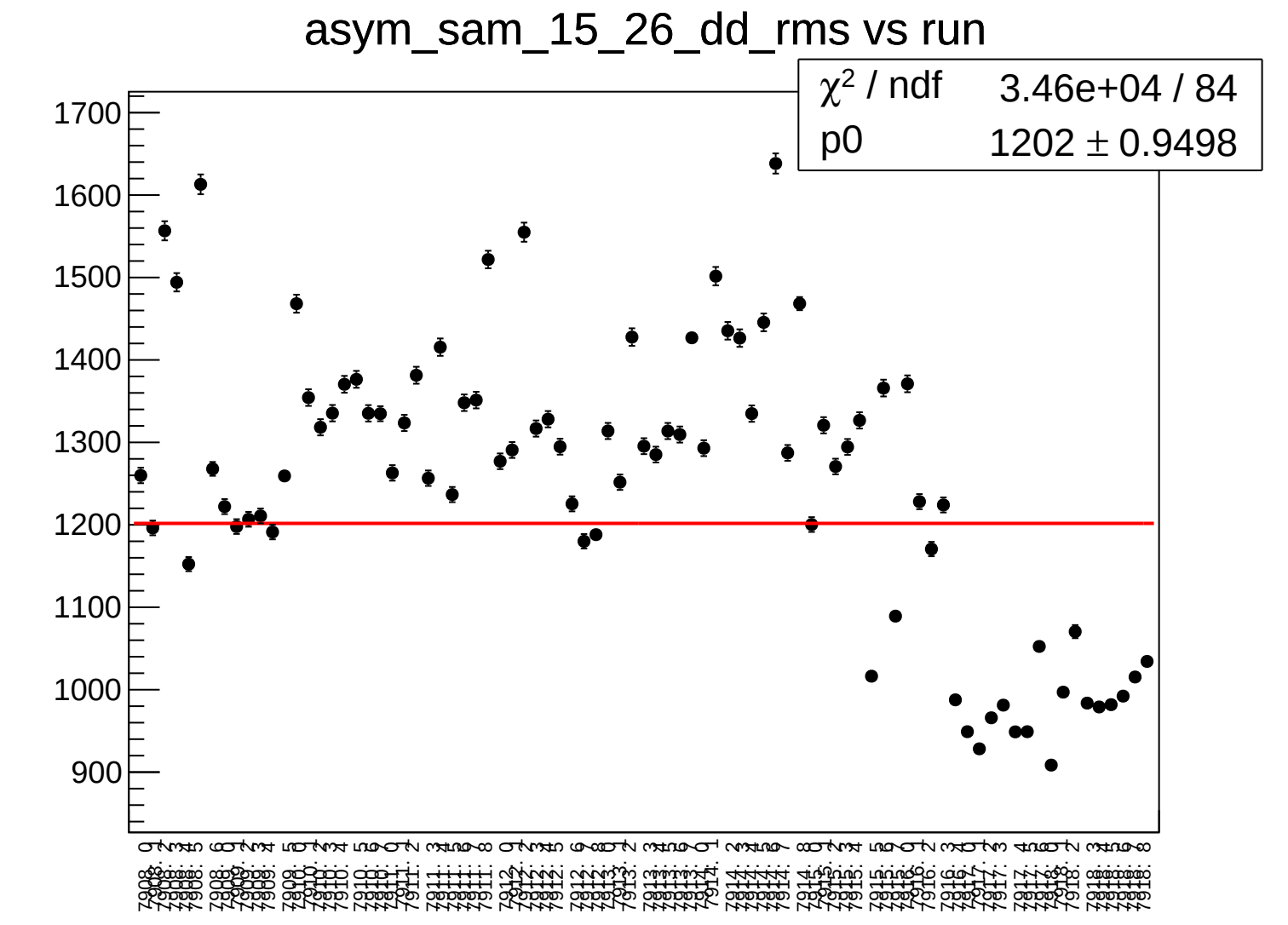

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 4.231e+04 / 84
p0 125.9 ± 0.09976
200
180
160
140
120
100

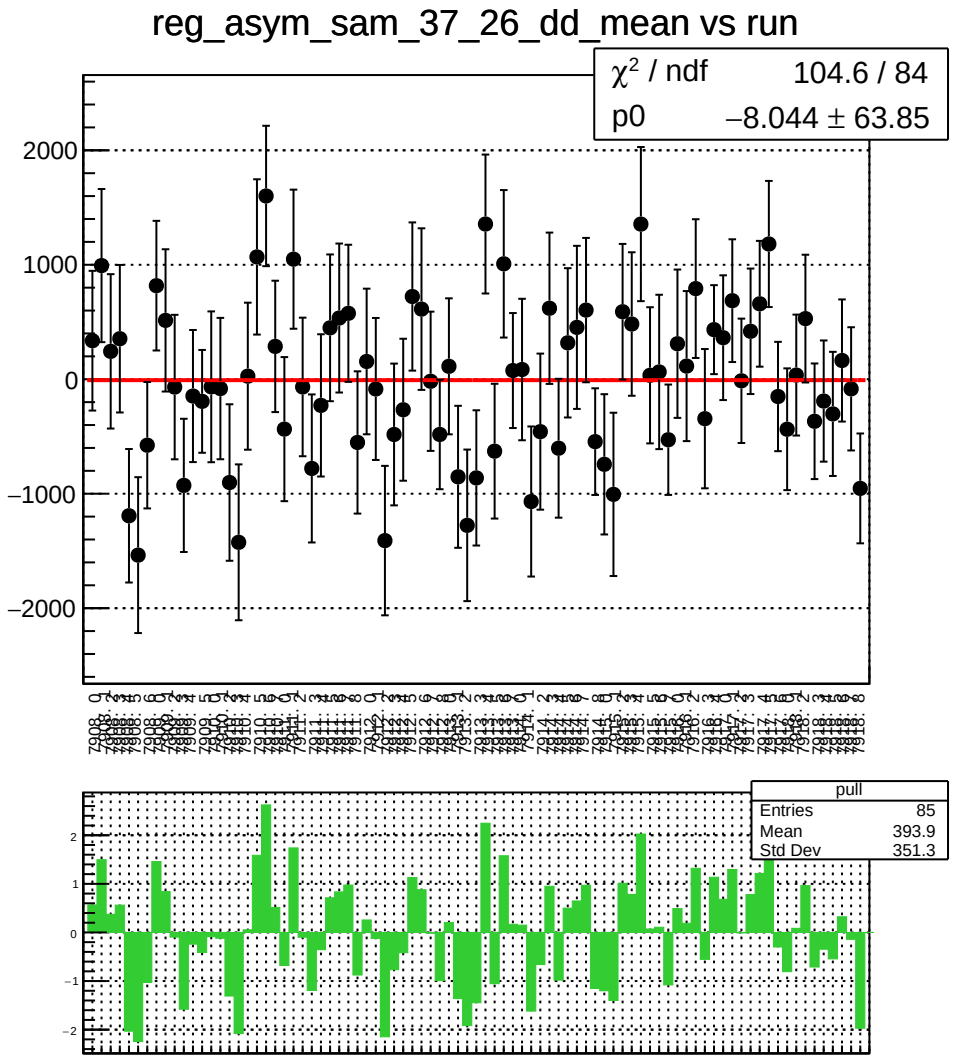

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 98.54 / 84
p0 841.9 ± 1336
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 18.79
Std Dev 117.9
3
2
1
0
−1
−2
−3

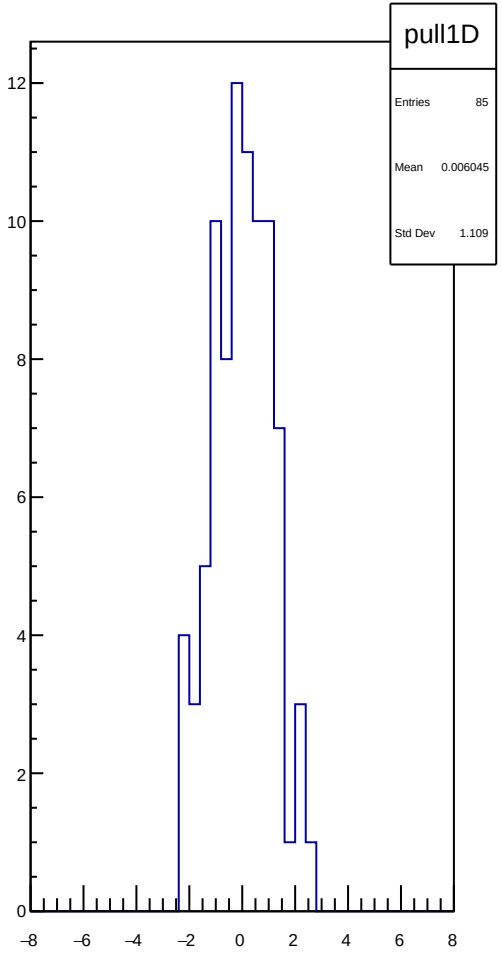

pull1D
Entries 85
Mean −0.004331
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

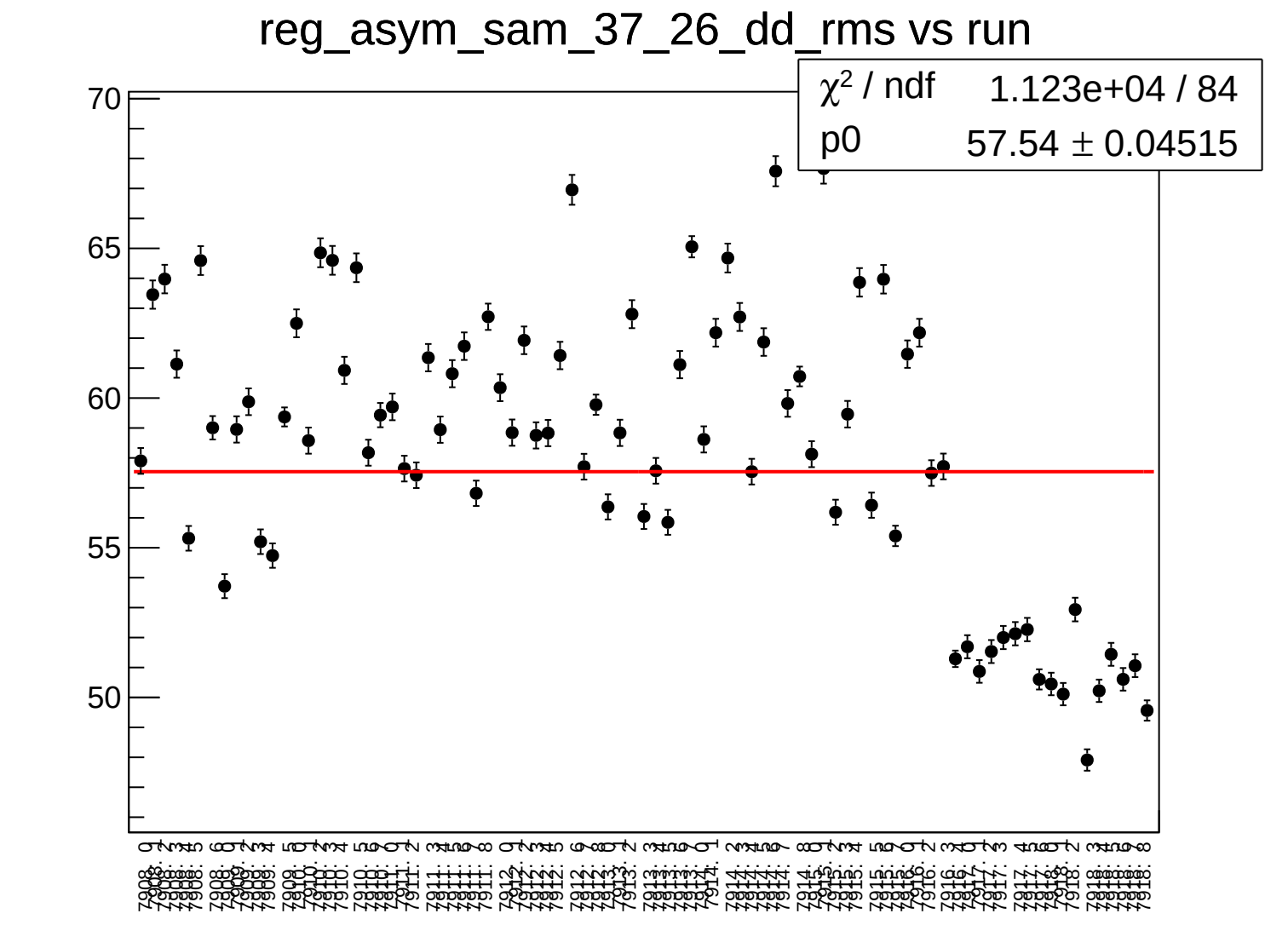

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3.459e+04 / 84
p0 1195 ± 0.9445
1700
1600
1500
1400
1300
1200
1100
1000
900

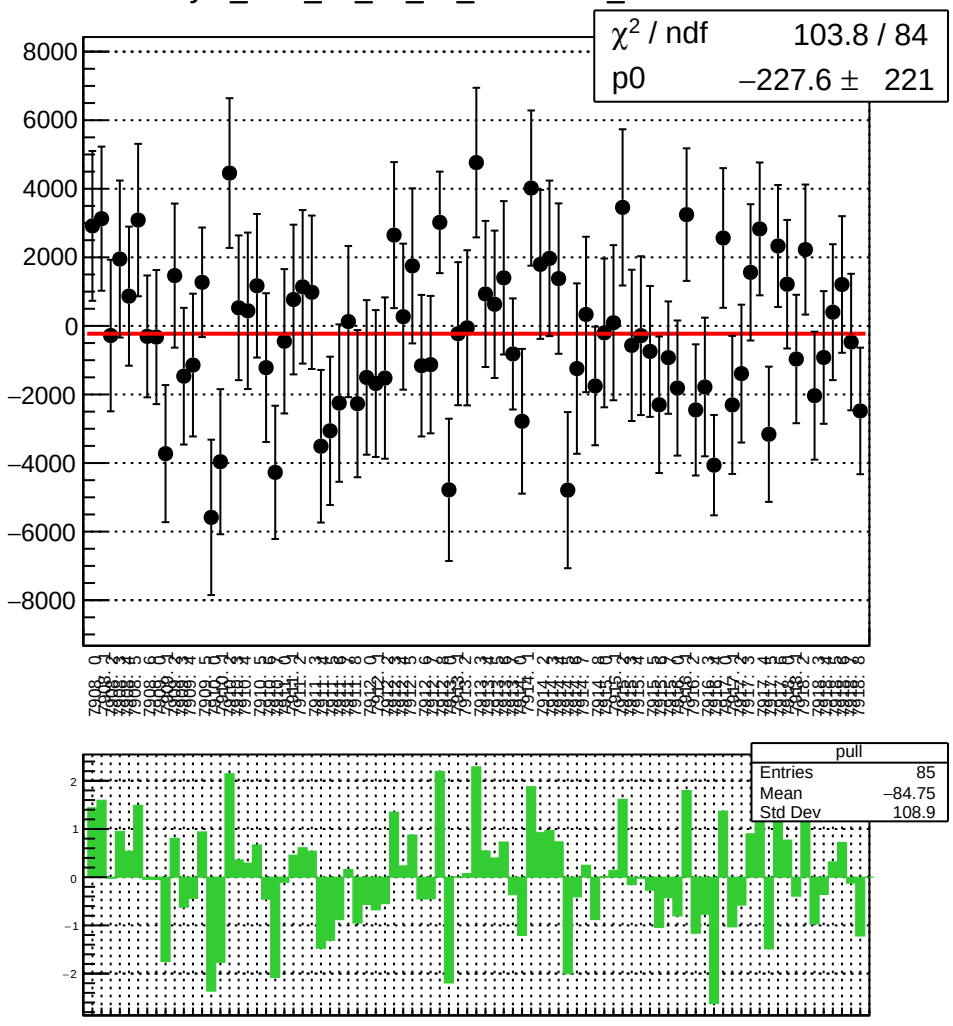

asym_sam_15_26_dd_mean vs run
χ² / ndf 99.3 / 84
p0 −560.6 ± 1343
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −43.55
Std Dev 145.1
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.004044
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

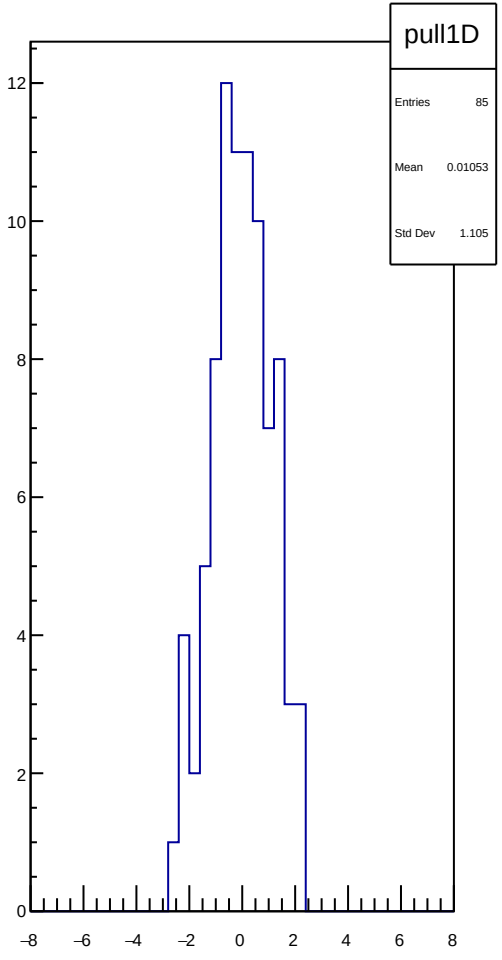

asym_sam_15_26_dd_rms vs run
χ² / ndf 3.46e+04 / 84
p0 1202 ± 0.9498
1700
1600
1500
1400
1300
1200
1100
1000
900

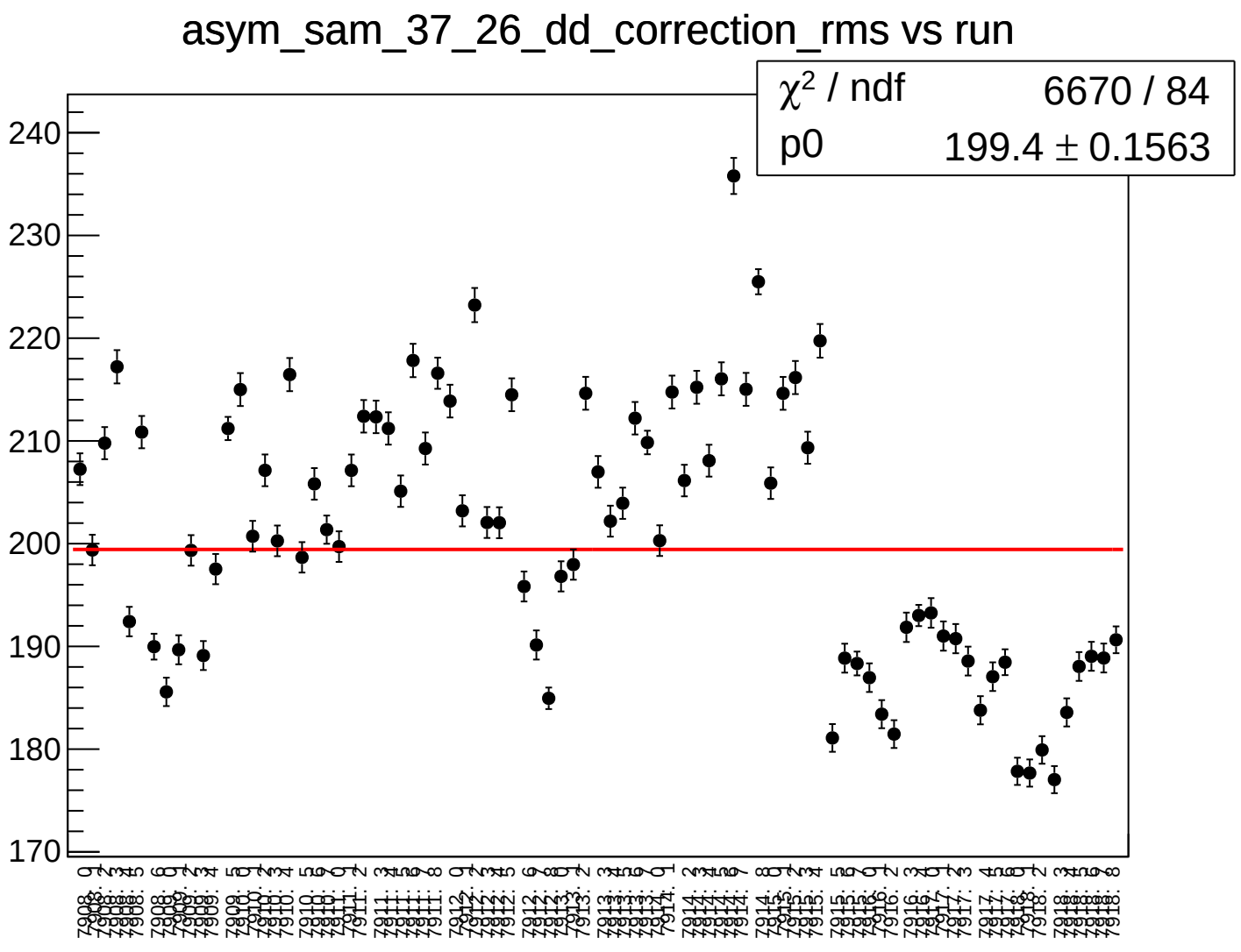

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 104.6 / 84
p0 −8.044 ± 63.85
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 393.9
Std Dev 351.3
2
1
0
−1
−2

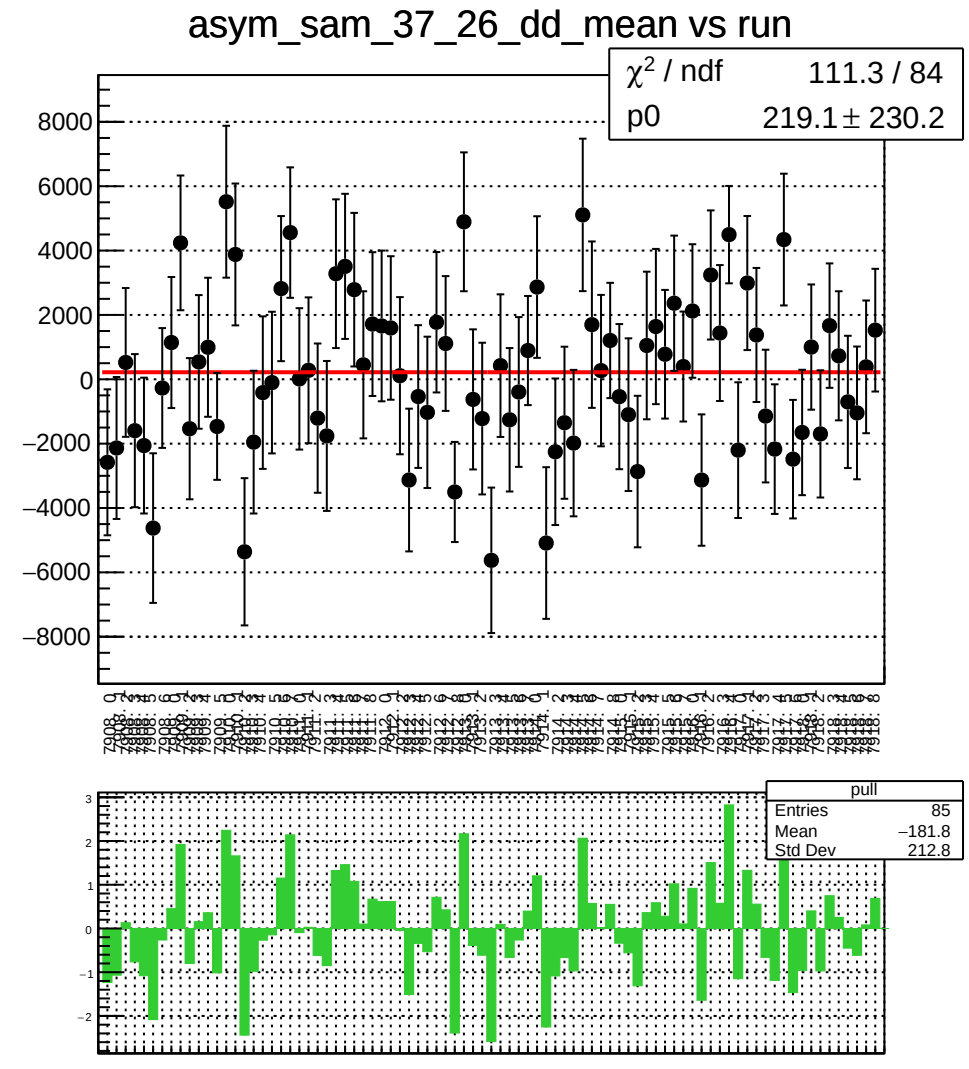

pull1D
Entries 85
Mean 0.006045
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

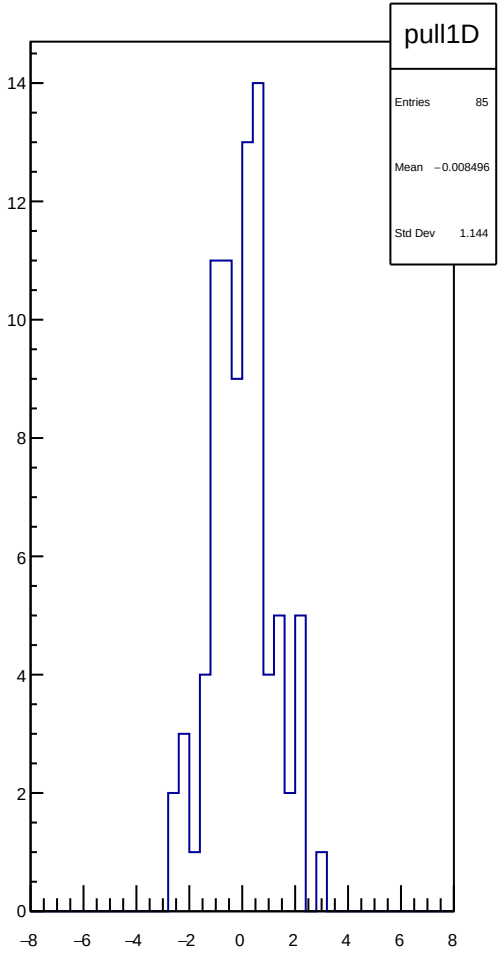

reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.123e+04 / 84
p0 57.54 ± 0.04515
70
65
60
55
50

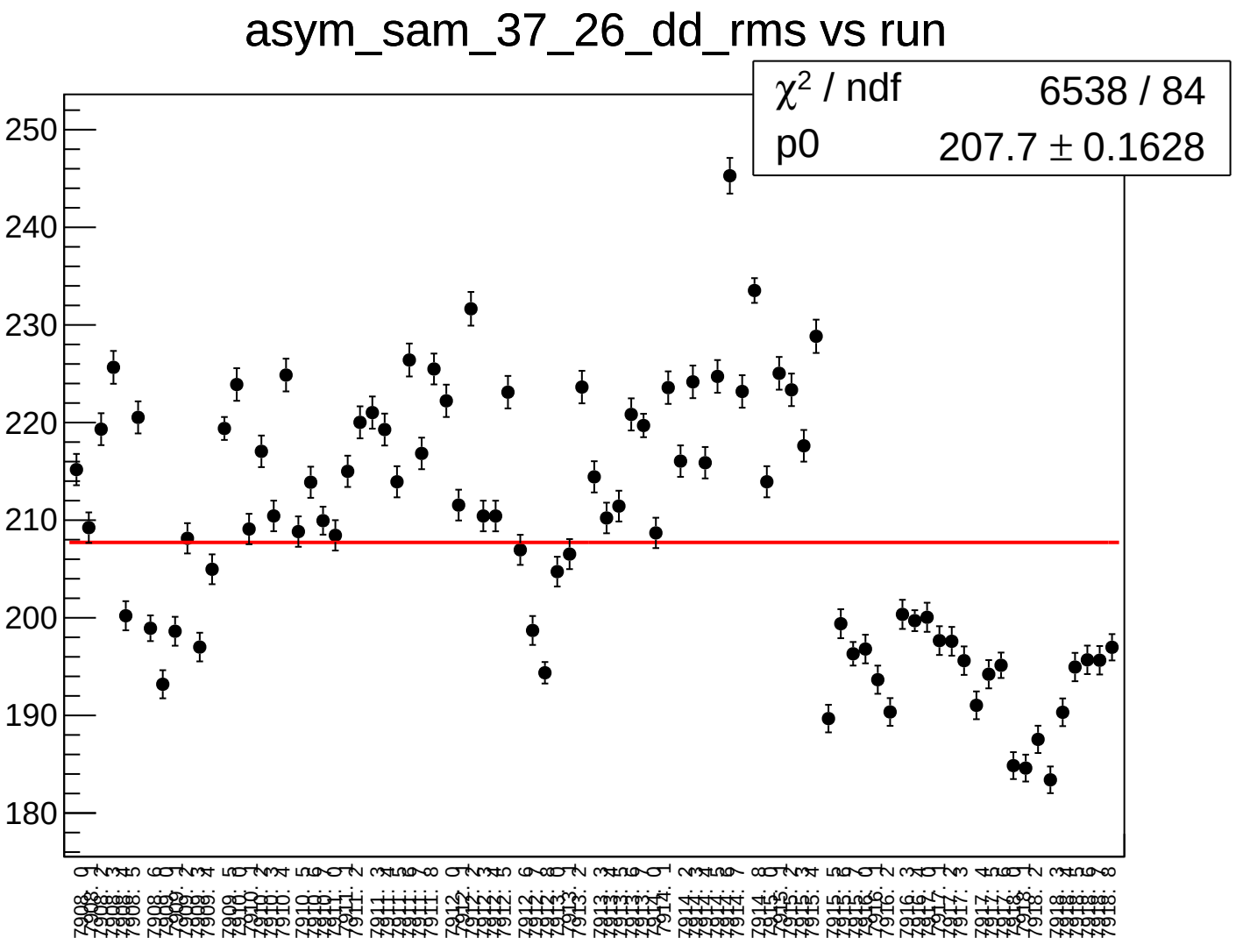

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 103.8 / 84
p0 −227.6 ± 221
pull
Entries 85
Mean −84.75
Std Dev 108.9

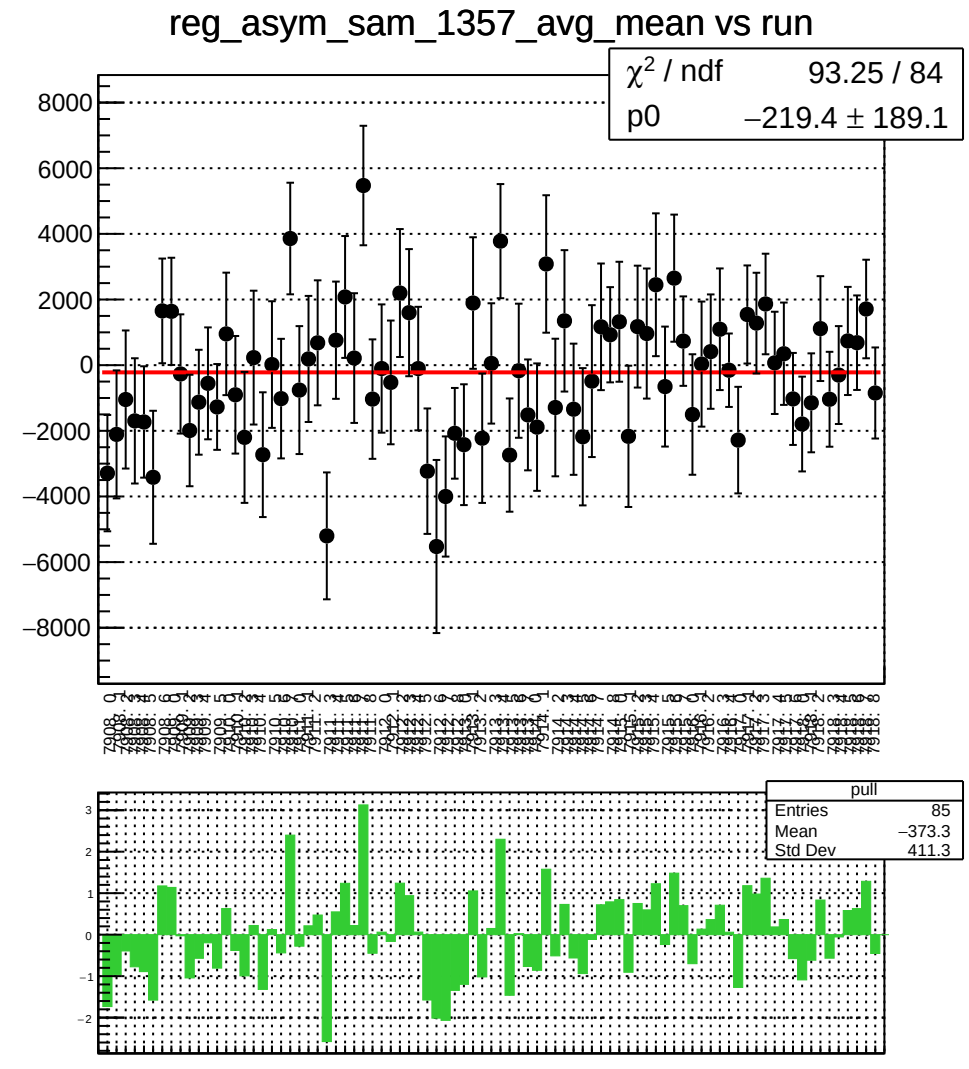

pull1D
Entries 85
Mean 0.01053
Std Dev 1.105

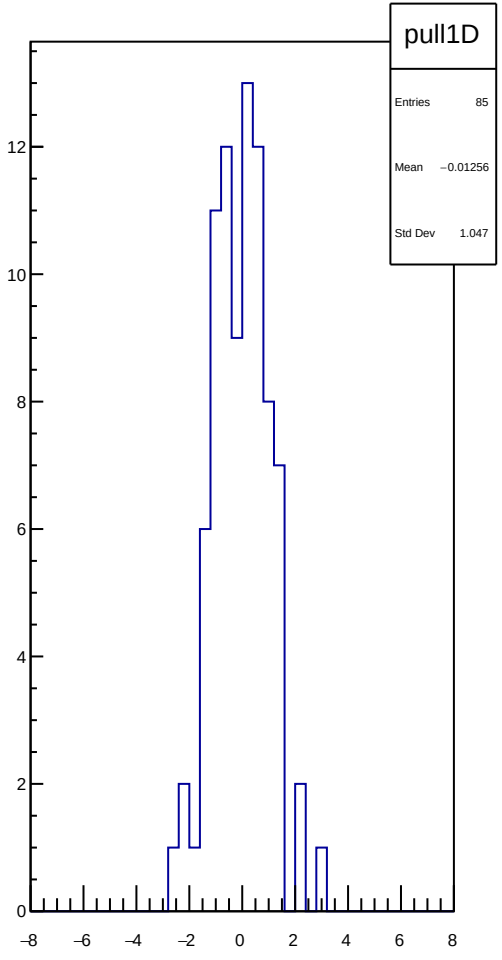

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6670 / 84
p0 199.4 ± 0.1563
240
230
220
210
200
190
180
170

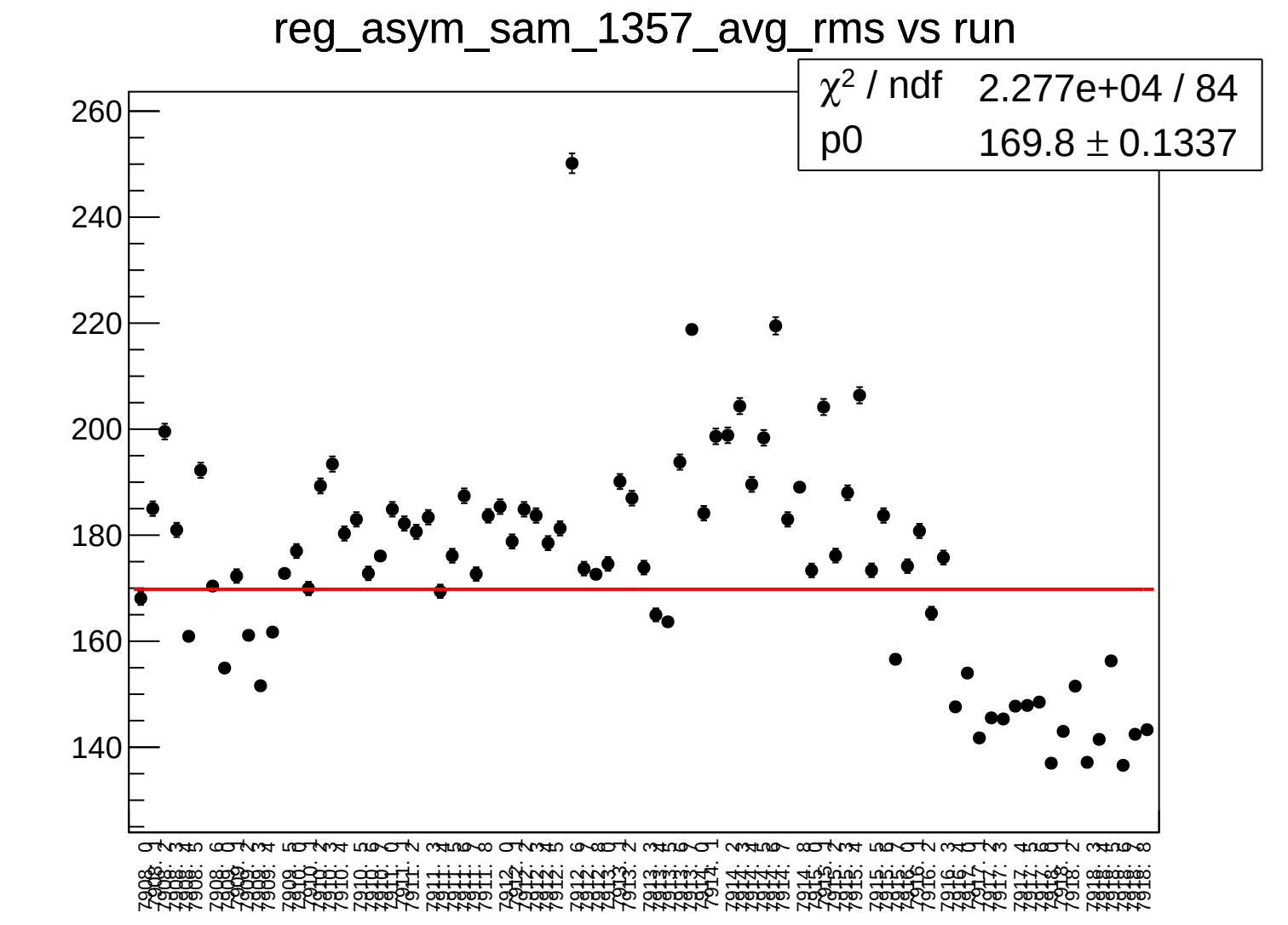

asym_sam_37_26_dd_mean vs run
χ² / ndf 111.3 / 84
p0 219.1 ± 230.2
pull
Entries 85
Mean −181.8
Std Dev 212.8

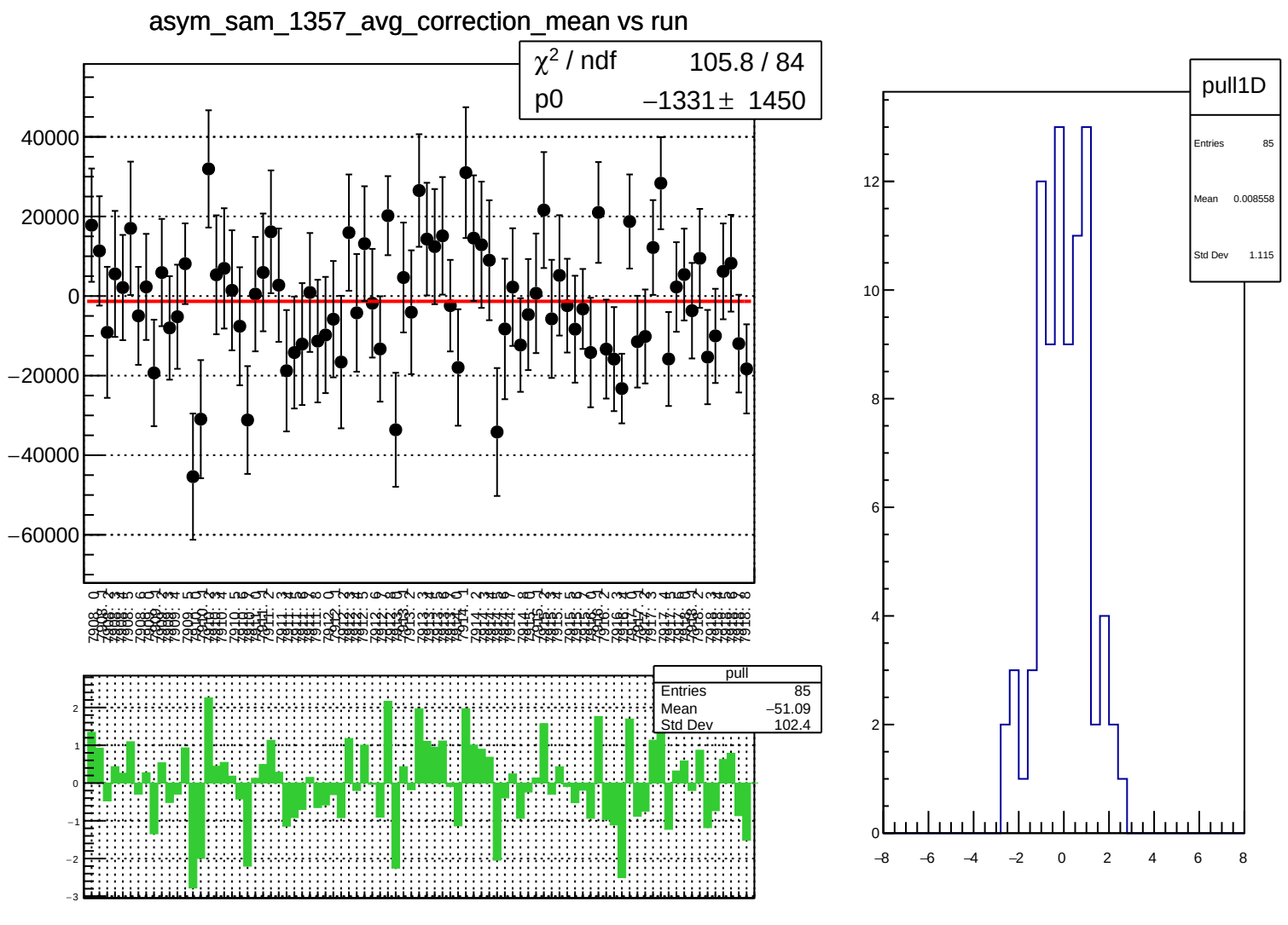

pull1D
Entries 85
Mean −0.008496
Std Dev 1.144

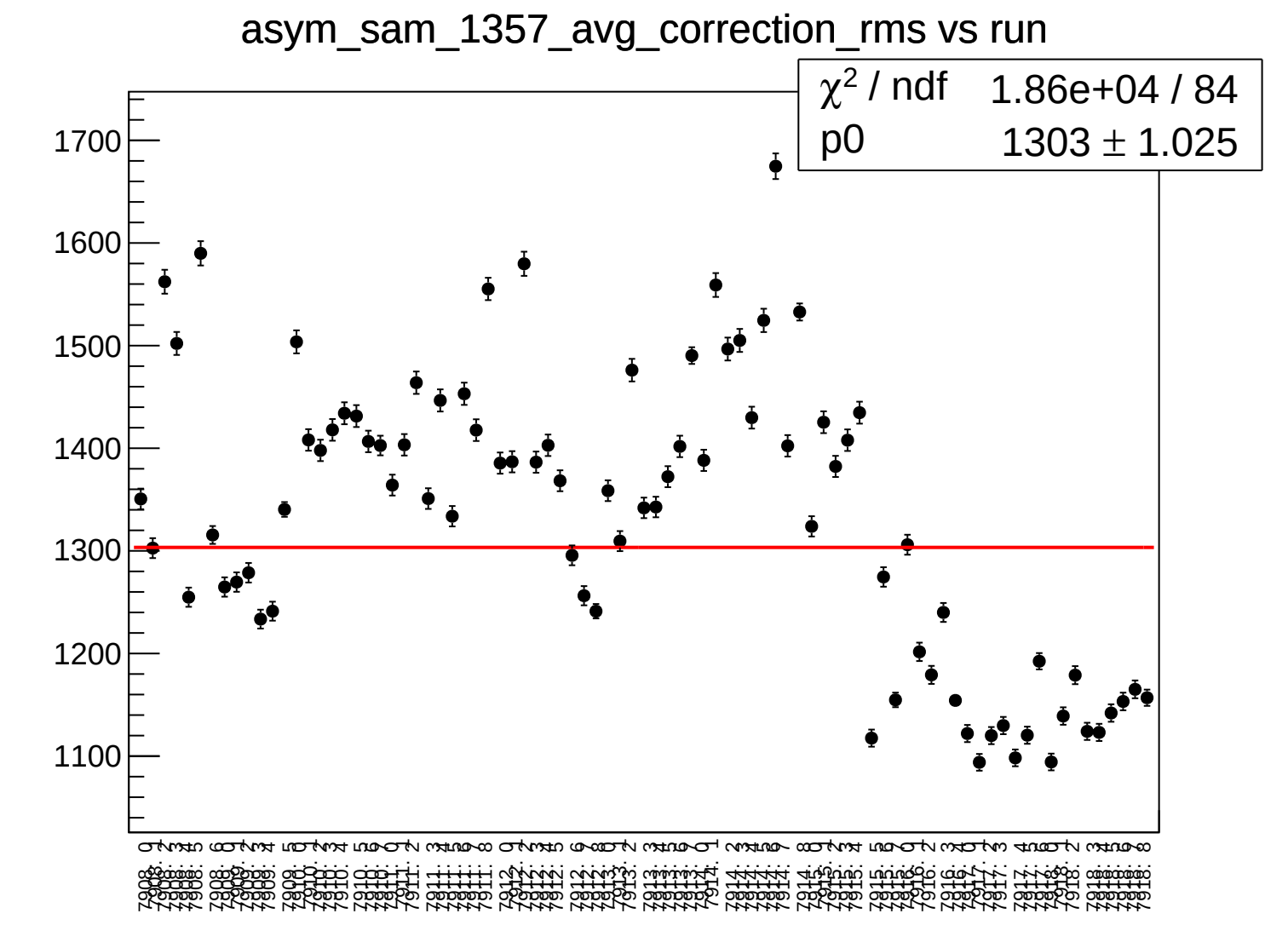

asym_sam_37_26_dd_rms vs run
χ² / ndf 6538 / 84
p0 207.7 ± 0.1628
250
240
230
220
210
200
190
180

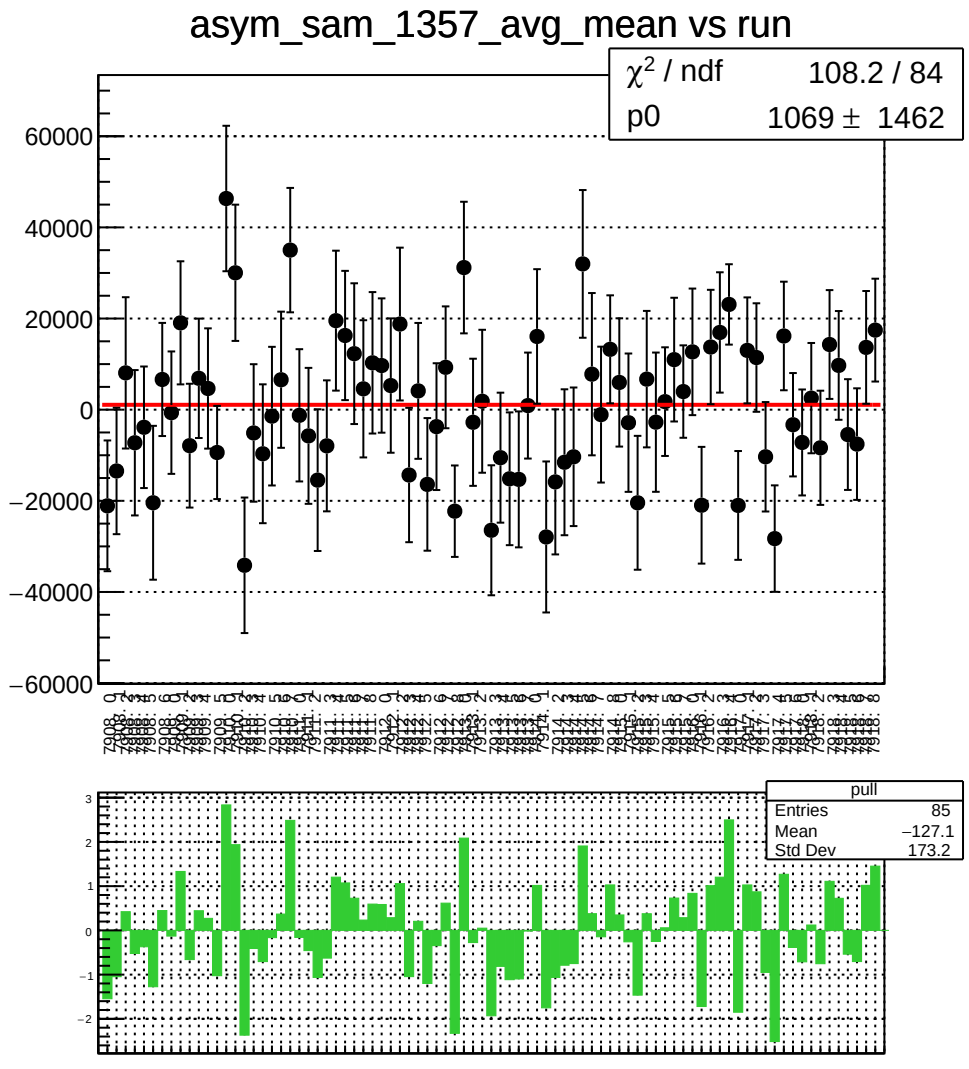

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 93.25 / 84
p0 −219.4 ± 189.1
pull
Entries 85
Mean −373.3
Std Dev 411.3

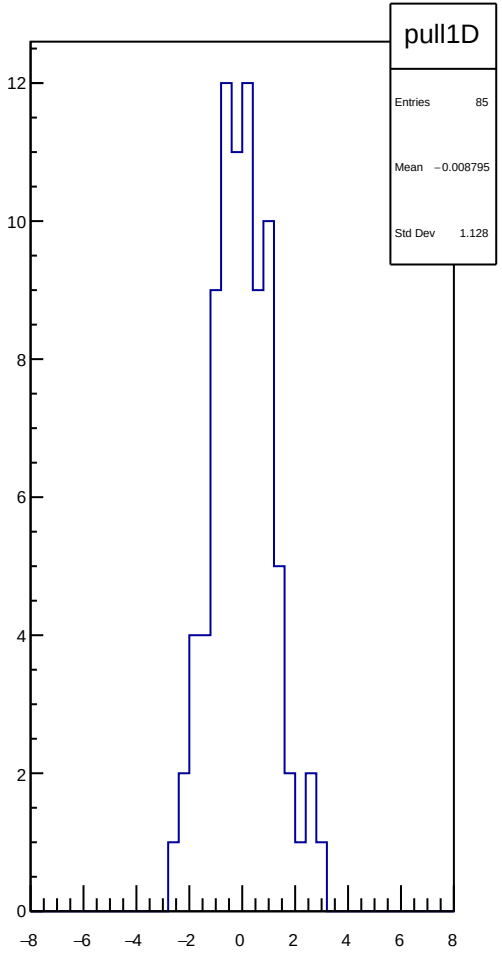

pull1D
Entries 85
Mean −0.01256
Std Dev 1.047

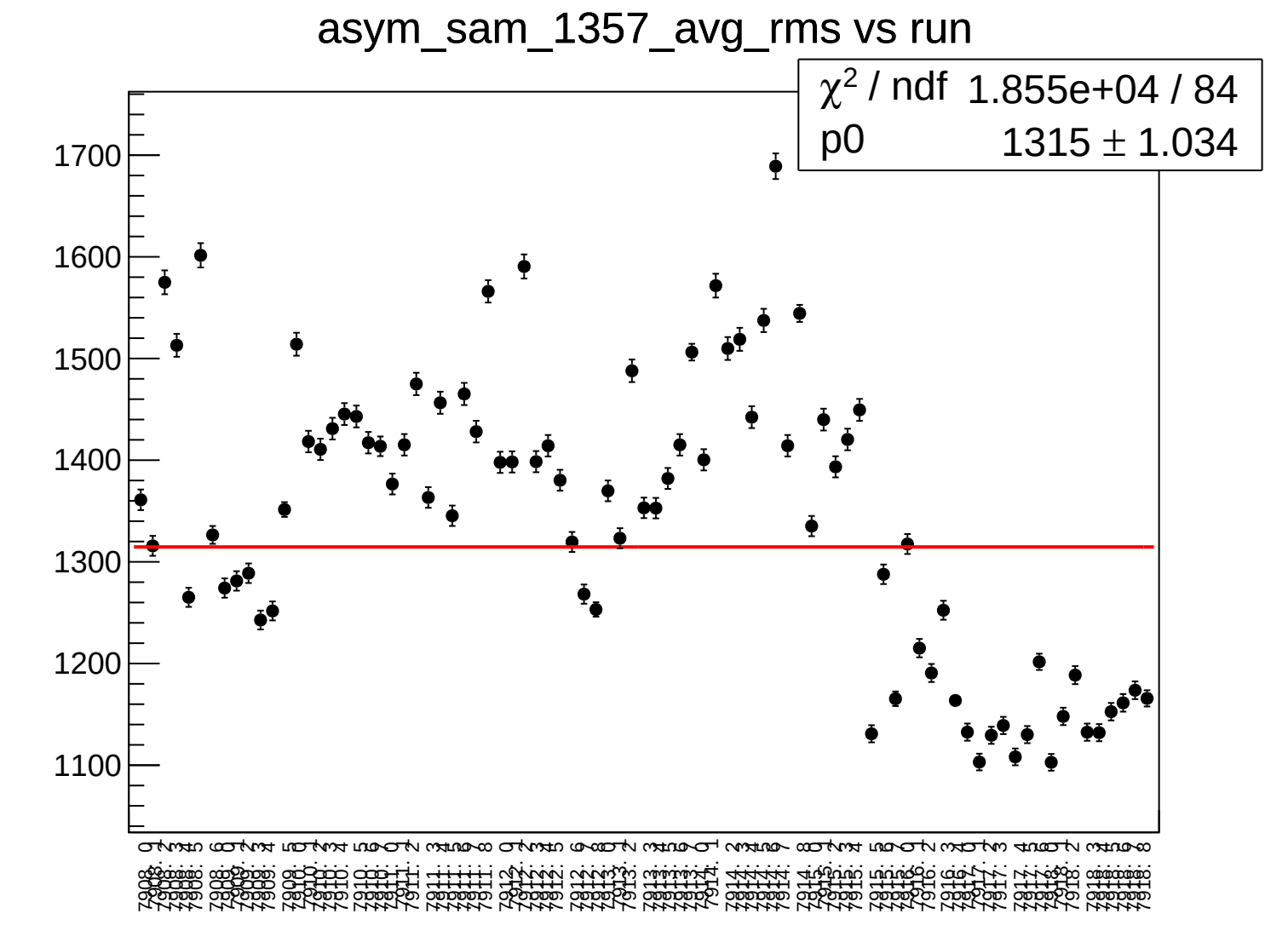

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 2.277e+04 / 84
p0 169.8 ± 0.1337
260
240
220
200
180
160
140

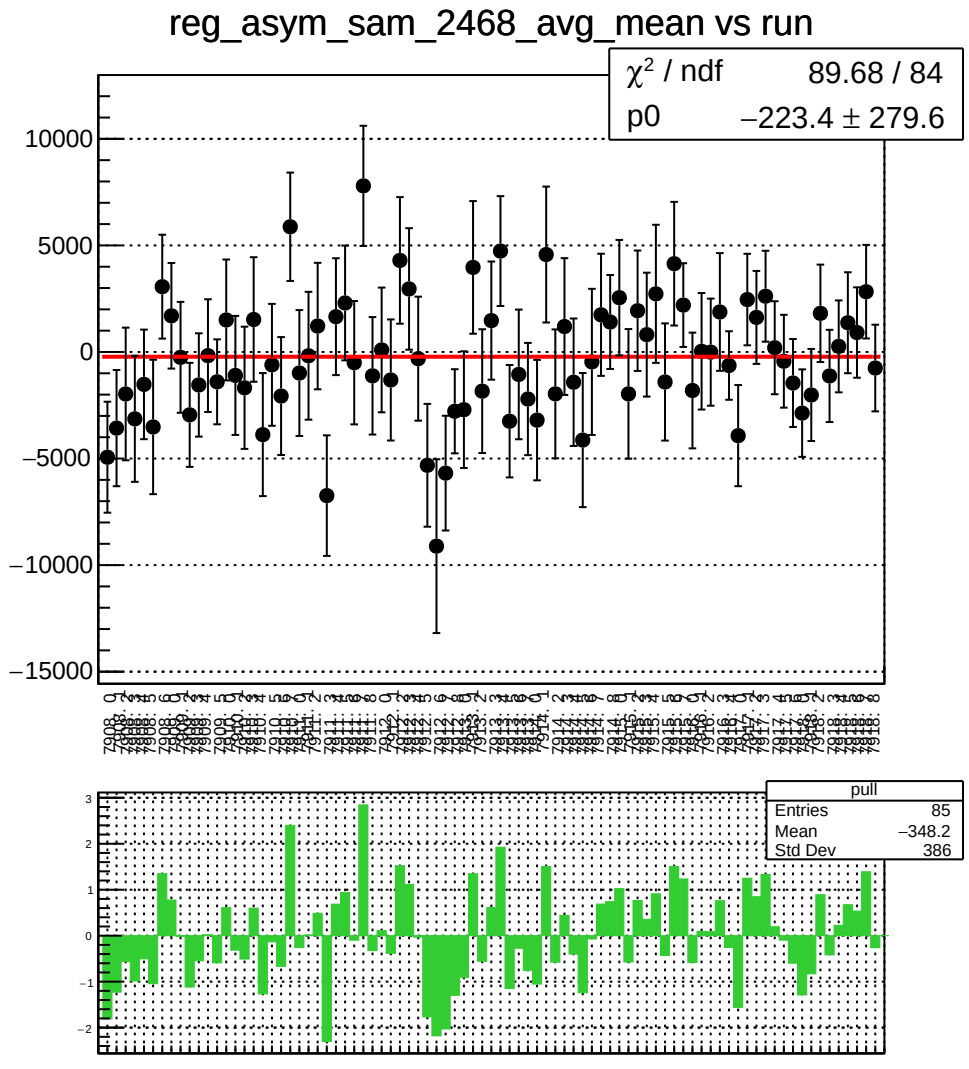

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 105.8 / 84
p0 −1331 ± 1450
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −51.09
Std Dev 102.4
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.008558
Std Dev 1.115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

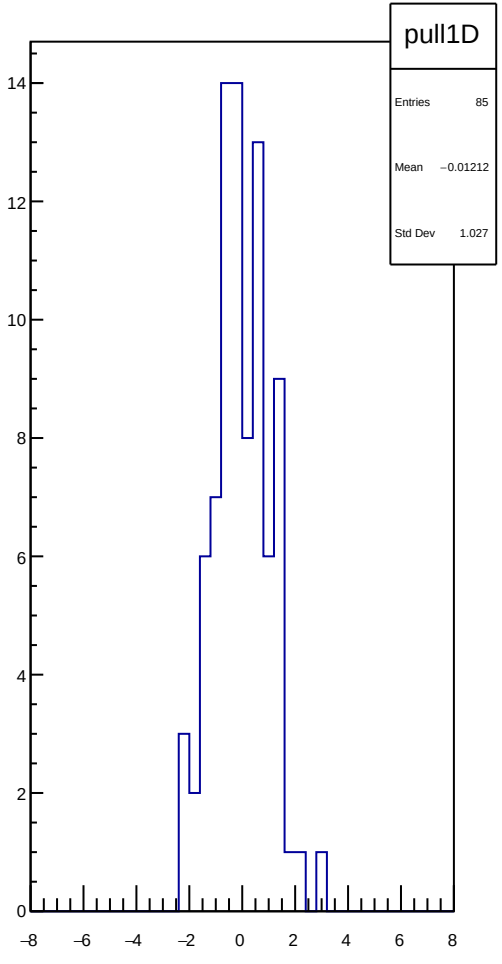

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.86e+04 / 84
p0 1303 ± 1.025
1700
1600
1500
1400
1300
1200
1100

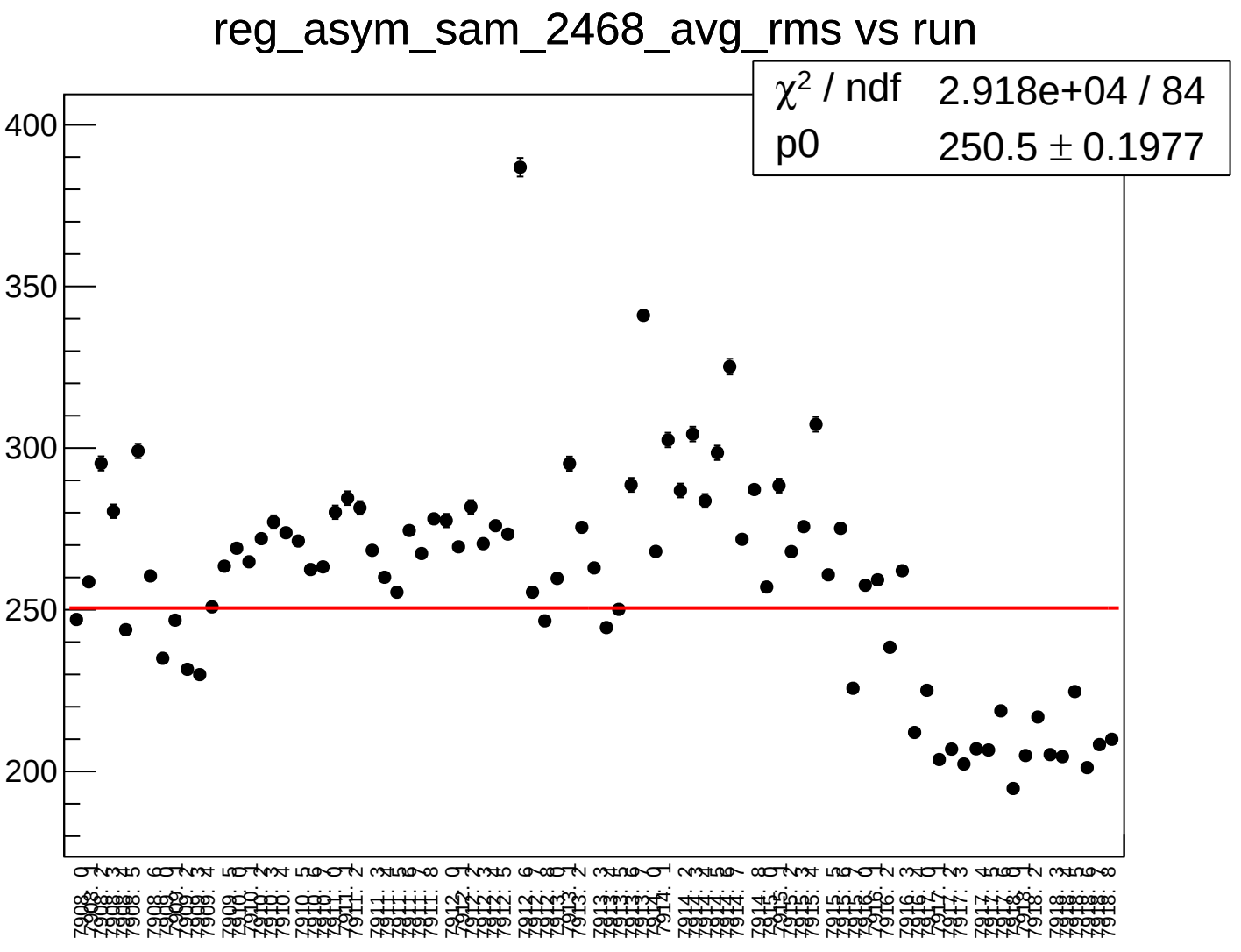

asym_sam_1357_avg_mean vs run
χ² / ndf 108.2 / 84
p0 1069 ± 1462
pull
Entries 85
Mean −127.1
Std Dev 173.2

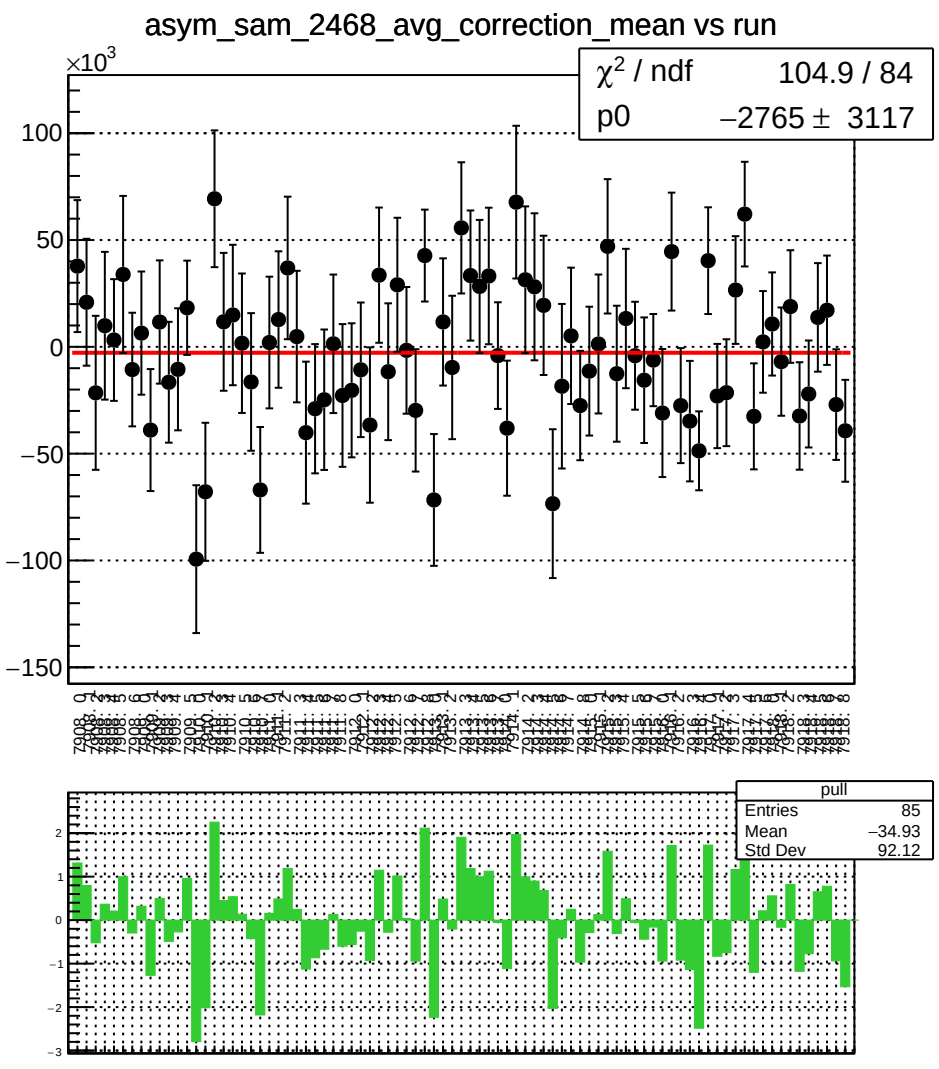

pull1D
Entries 85
Mean −0.008795
Std Dev 1.128

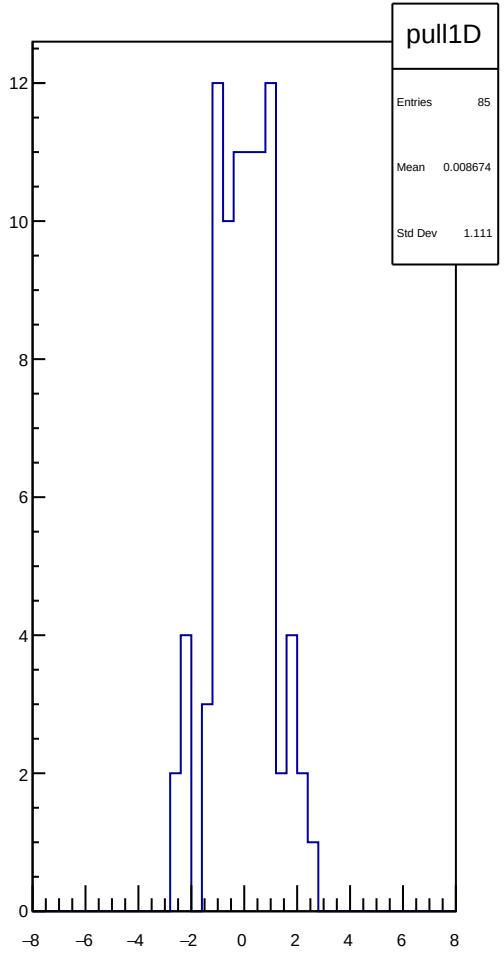

asym_sam_1357_avg_rms vs run
χ² / ndf 1.855e+04 / 84
p0 1315 ± 1.034
1700
1600
1500
1400
1300
1200
1100

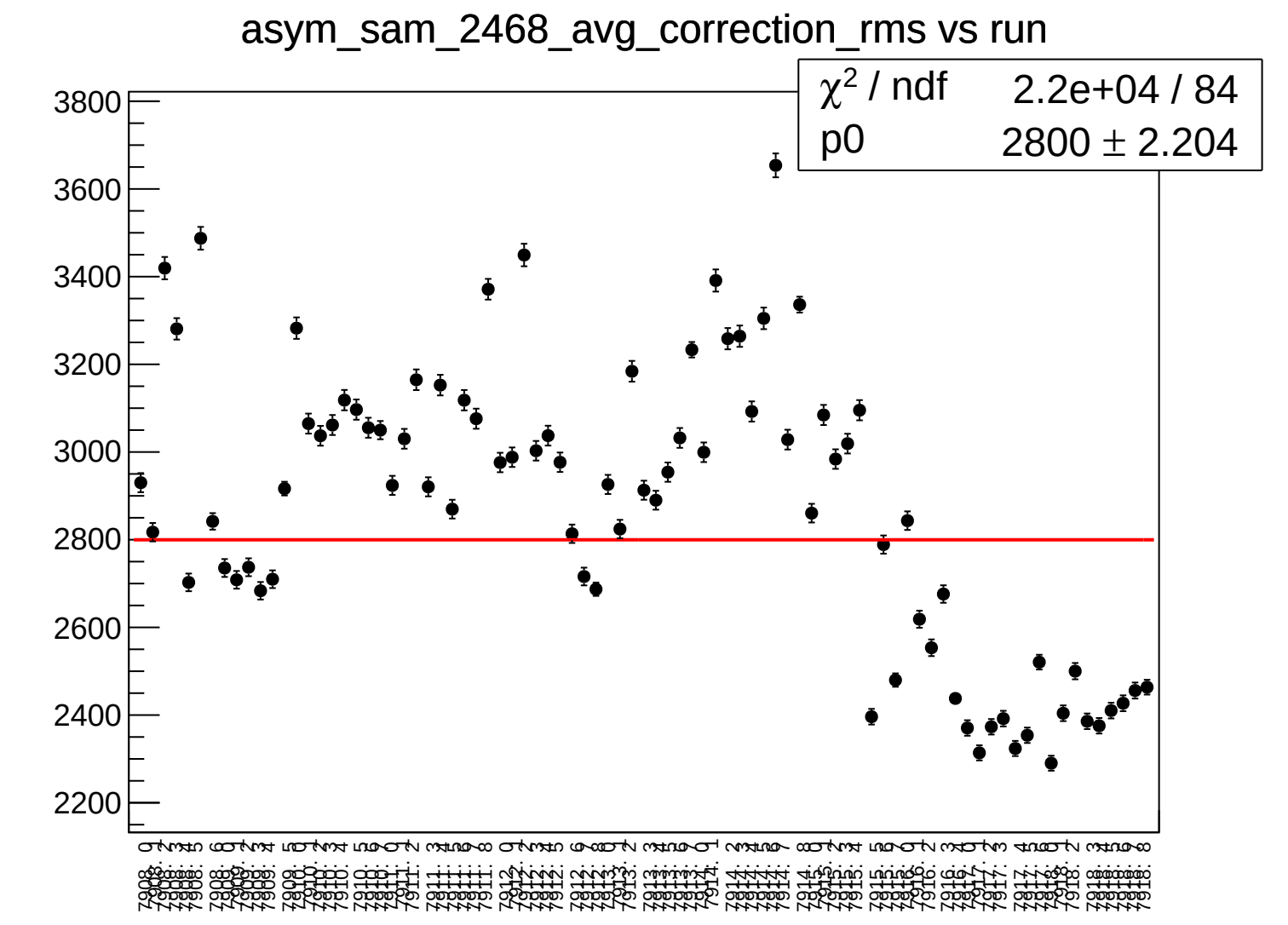

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 89.68 / 84
p0 −223.4 ± 279.6
pull
Entries 85
Mean −348.2
Std Dev 386

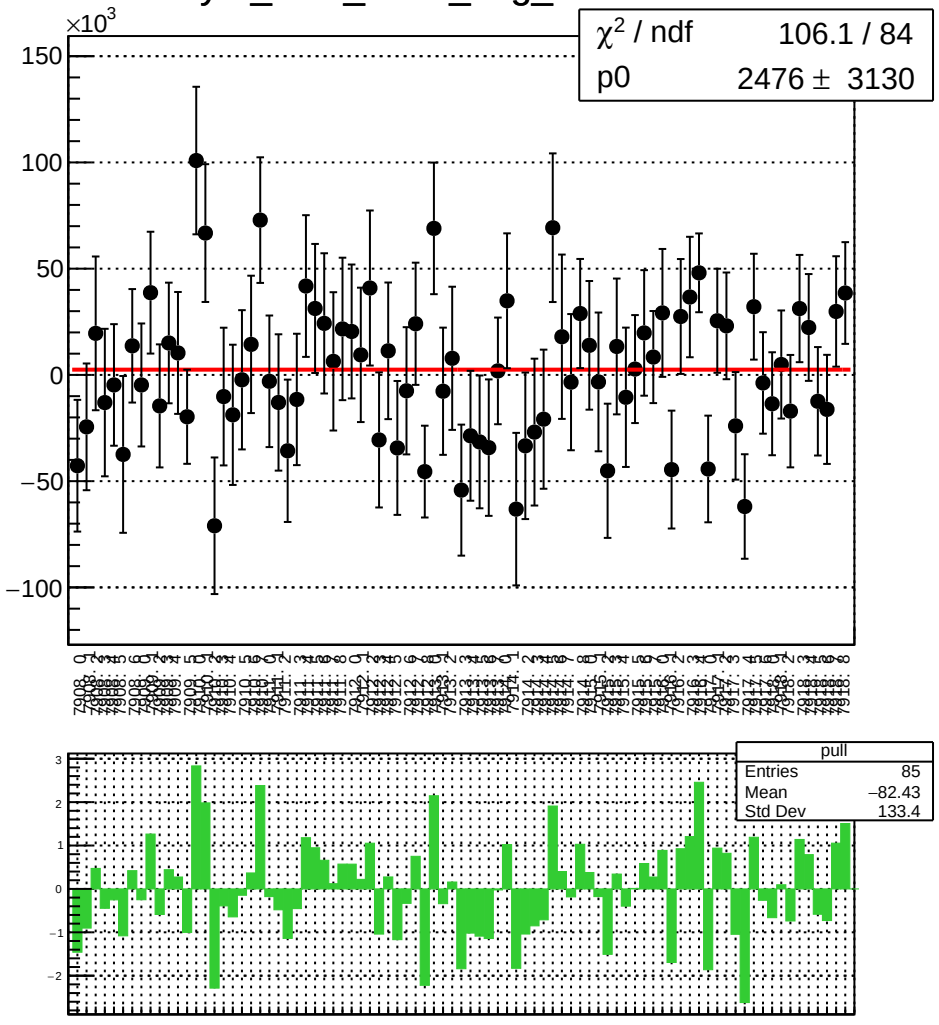

pull1D
Entries 85
Mean −0.01212
Std Dev 1.027

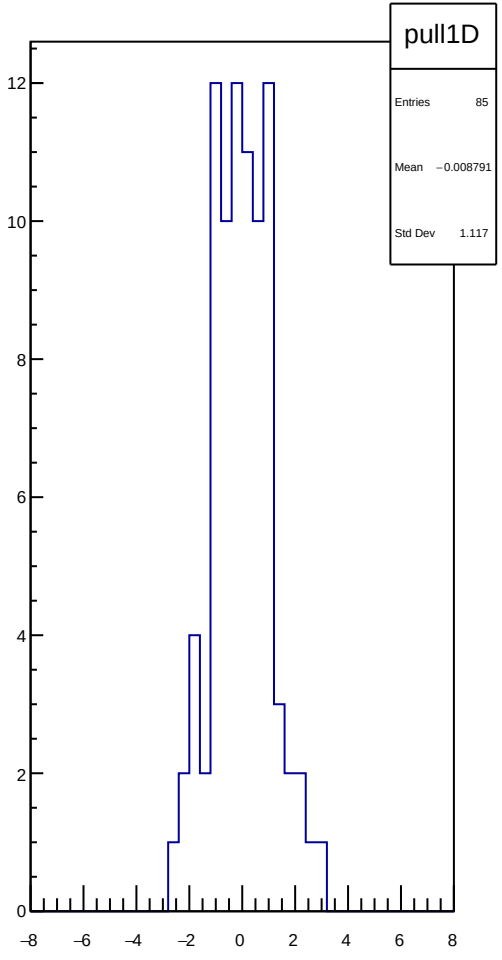

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 2.918e+04 / 84
p0 250.5 ± 0.1977
400
350
300
250
200

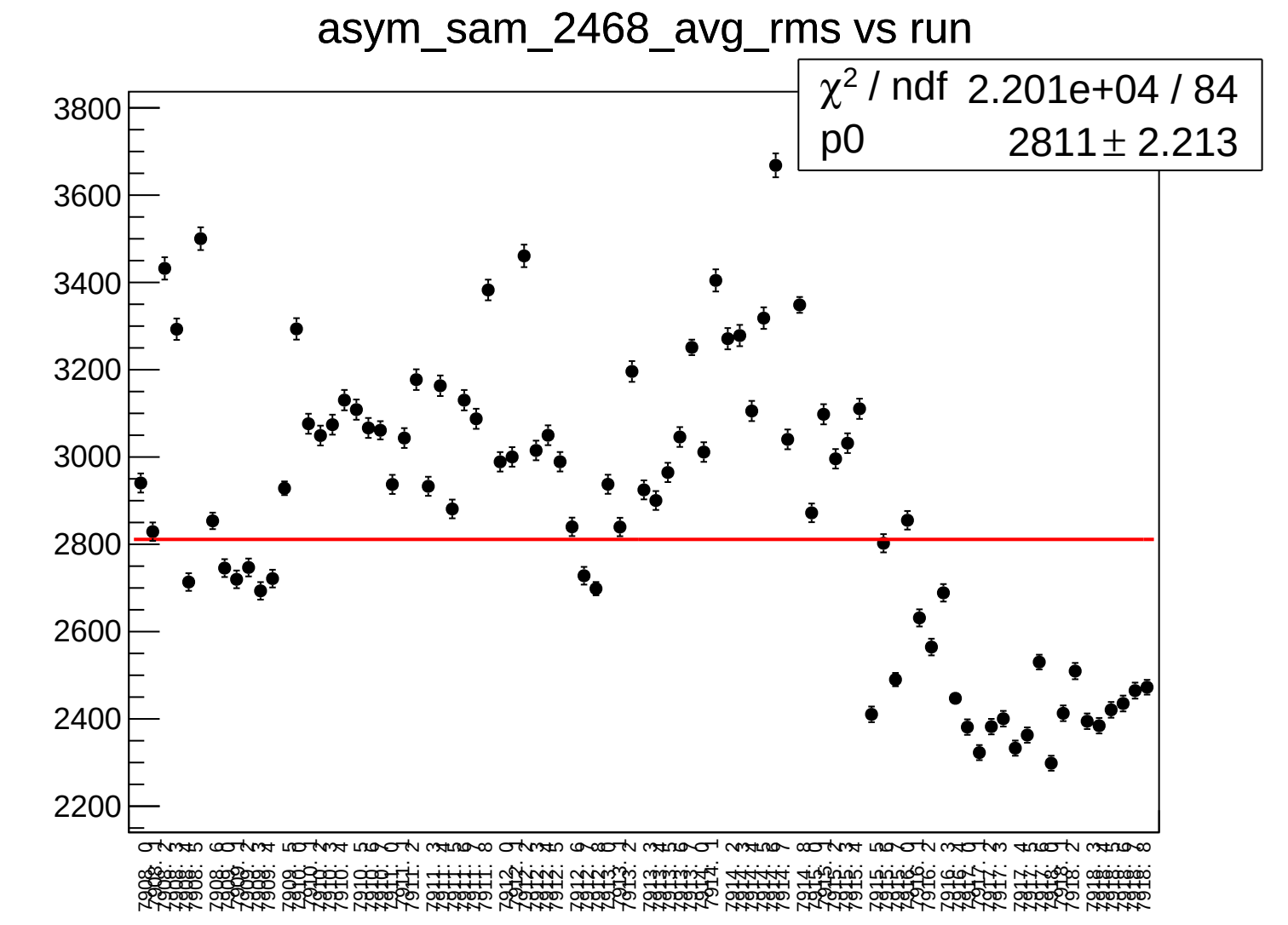

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 104.9 / 84
p0 −2765 ± 3117
100
50
0
−50
−100
−150
pull
Entries 85
Mean −34.93
Std Dev 92.12
2
1
0
−1
−2
−3

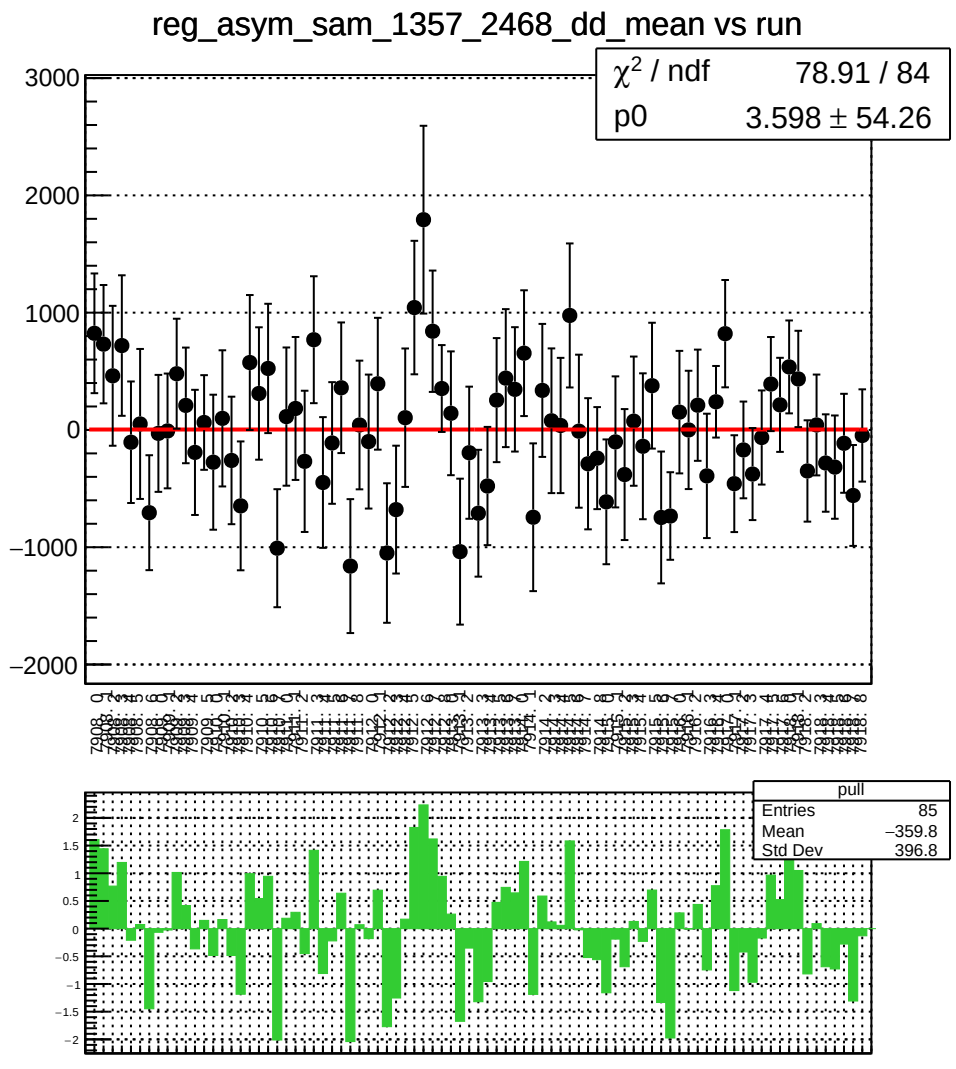

pull1D
Entries 85
Mean 0.008674
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

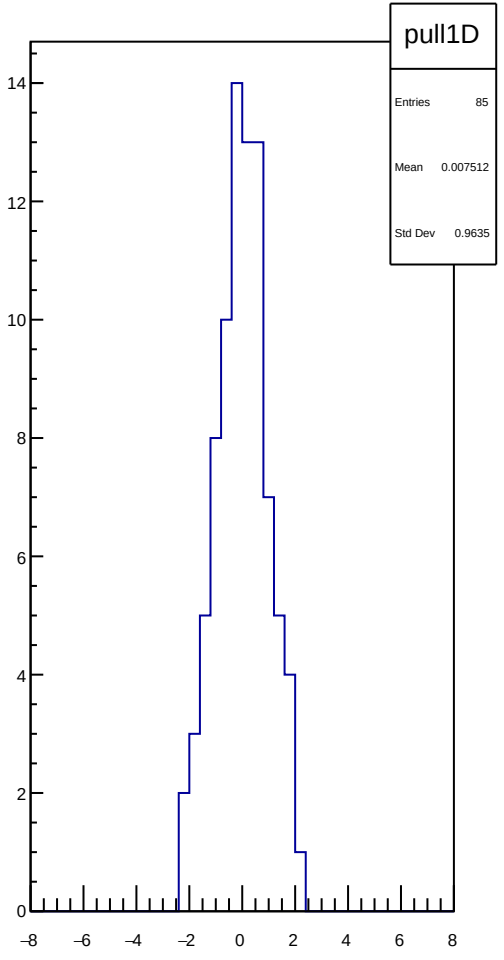

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.2e+04 / 84
p0 2800 ± 2.204
3800
3600
3400
3200
3000
2800
2600
2400
2200

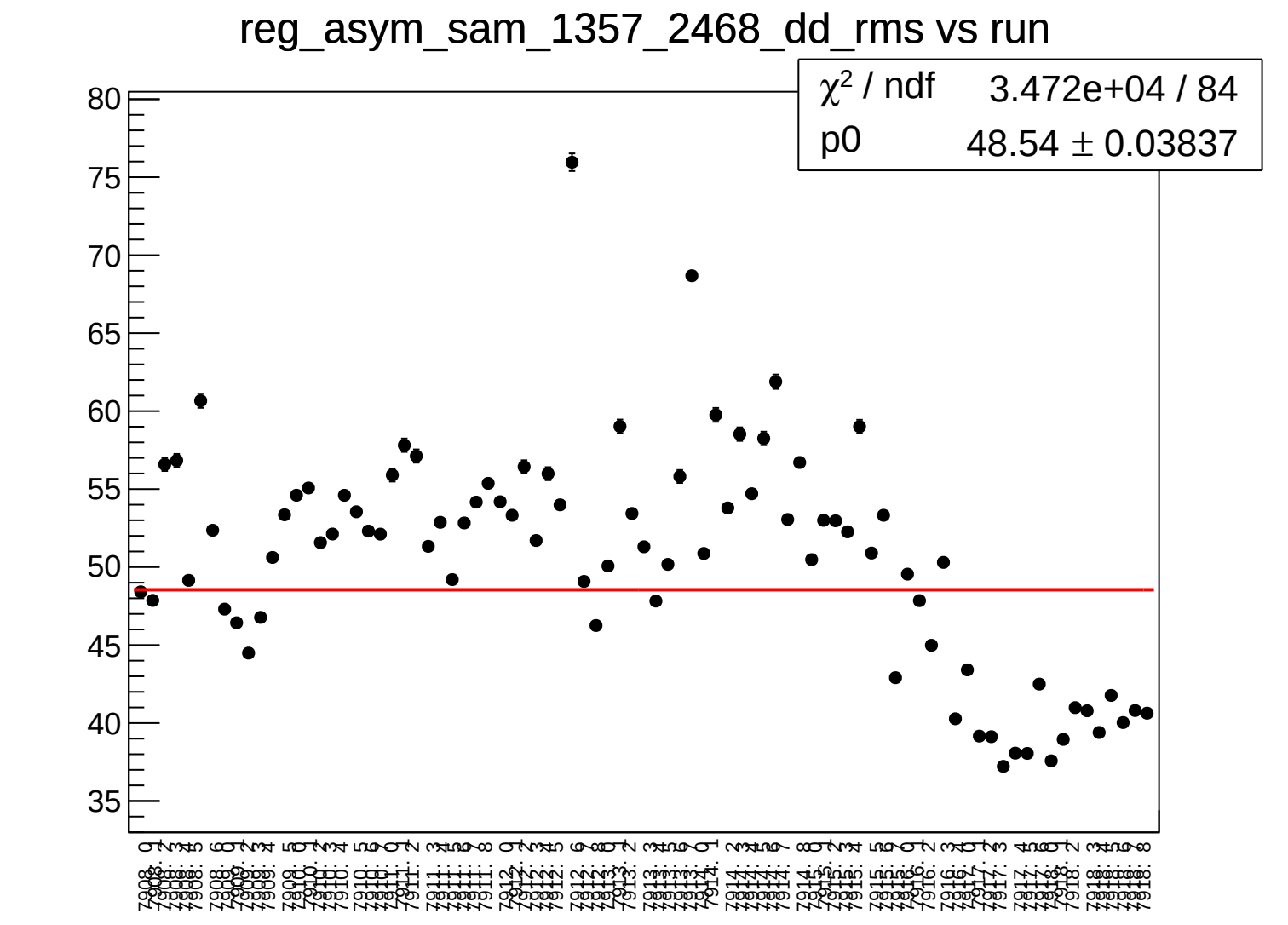

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 106.1 / 84
p0 2476 ± 3130
150
100
50
0
−50
−100
pull
Entries 85
Mean −82.43
Std Dev 133.4
3
2
1
0
−1
−2

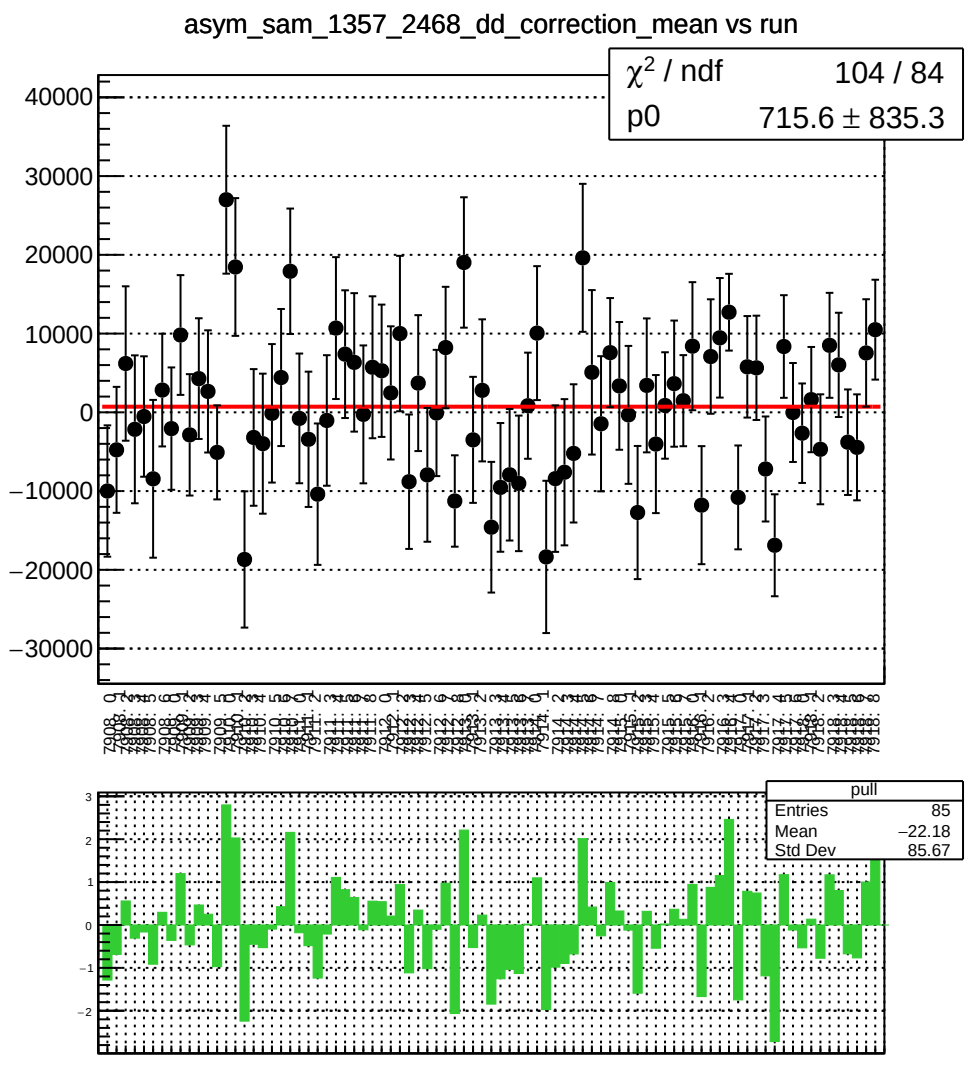

pull1D
Entries 85
Mean −0.008791
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

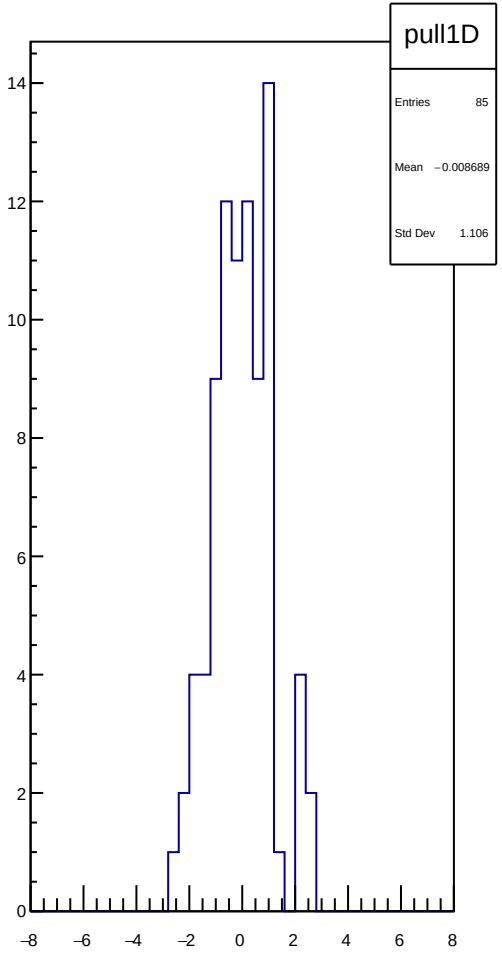

asym_sam_2468_avg_rms vs run
χ² / ndf 2.201e+04 / 84
p0 2811 ± 2.213
3800
3600
3400
3200
3000
2800
2600
2400
2200

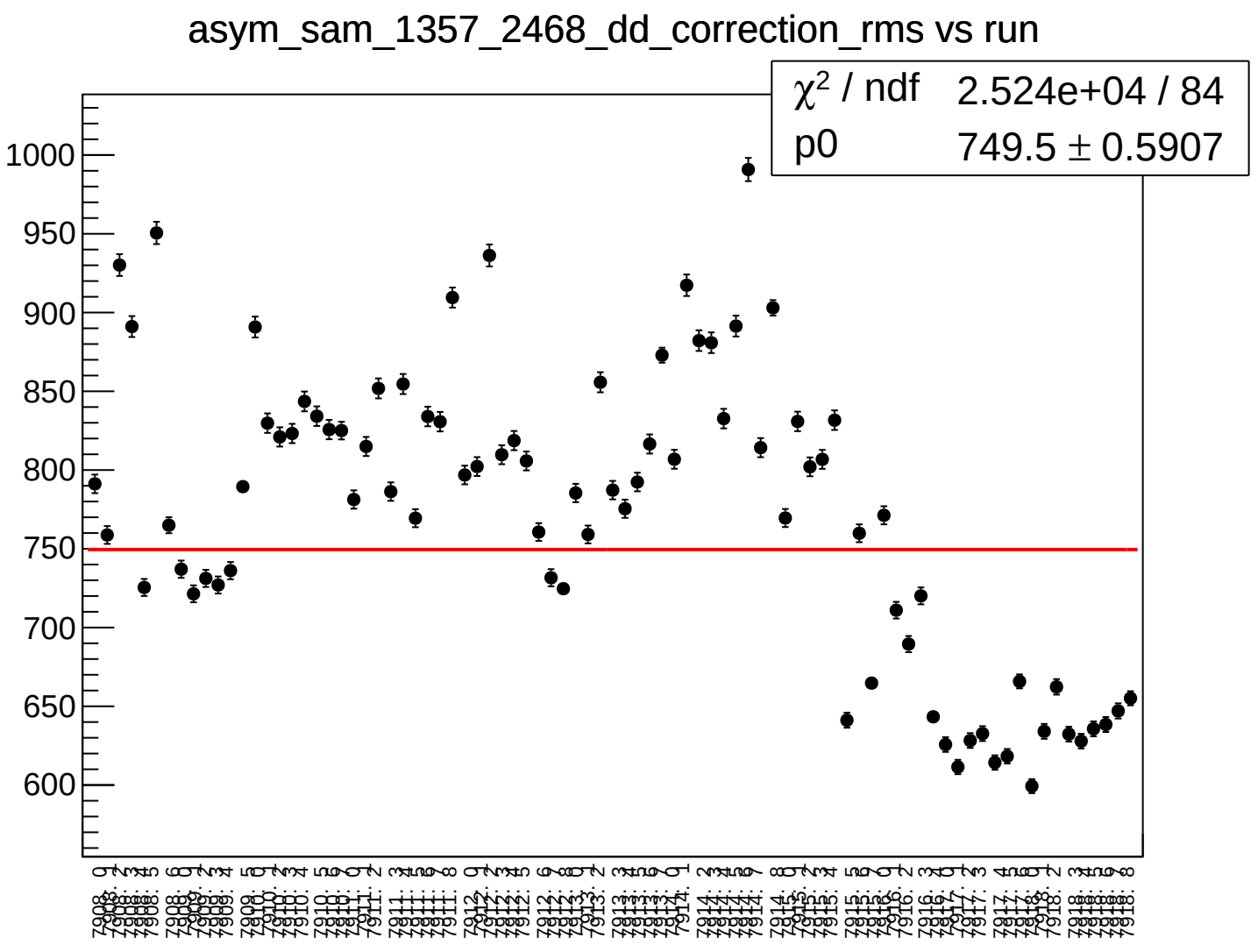

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 78.91 / 84
p0 3.598 ± 54.26
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −359.8
Std Dev 396.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

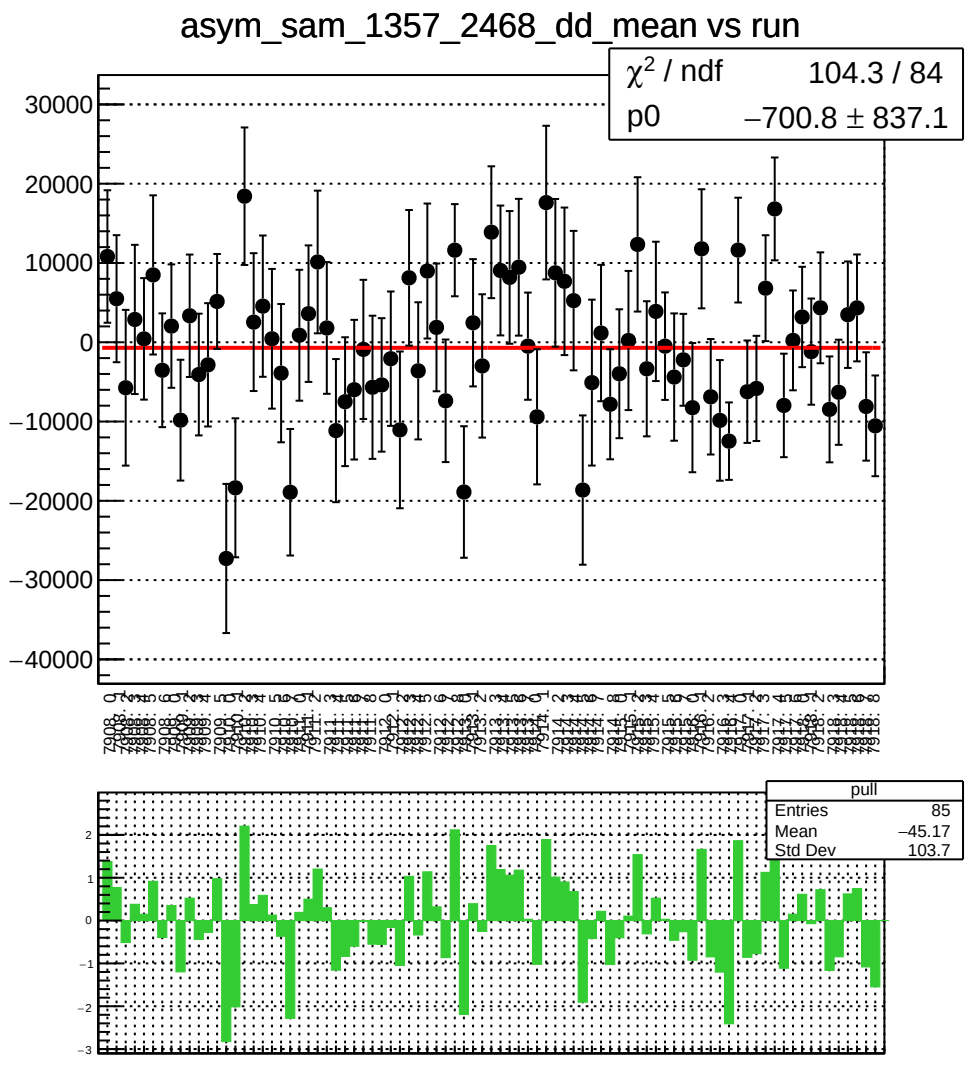

pull1D
Entries 85
Mean 0.007512
Std Dev 0.9635
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

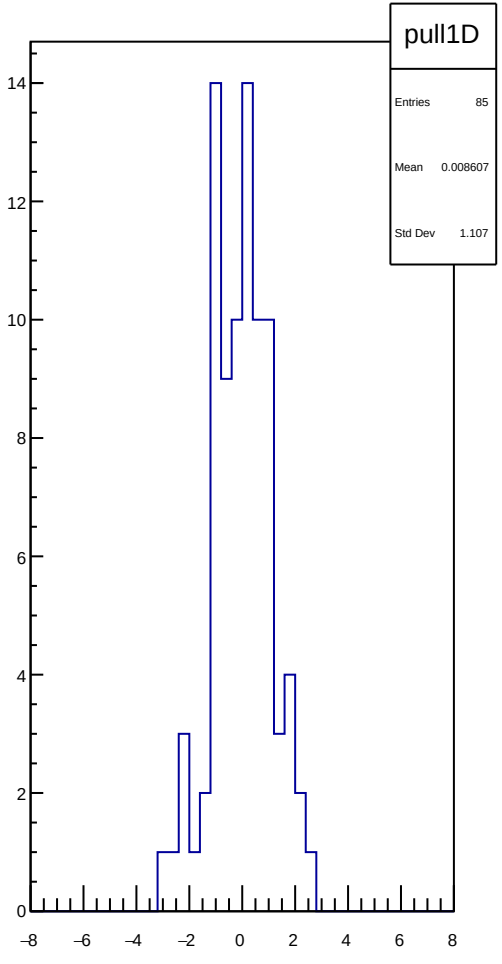

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.472e+04 / 84
p0 48.54 ± 0.03837
80
75
70
65
60
55
50
45
40
35

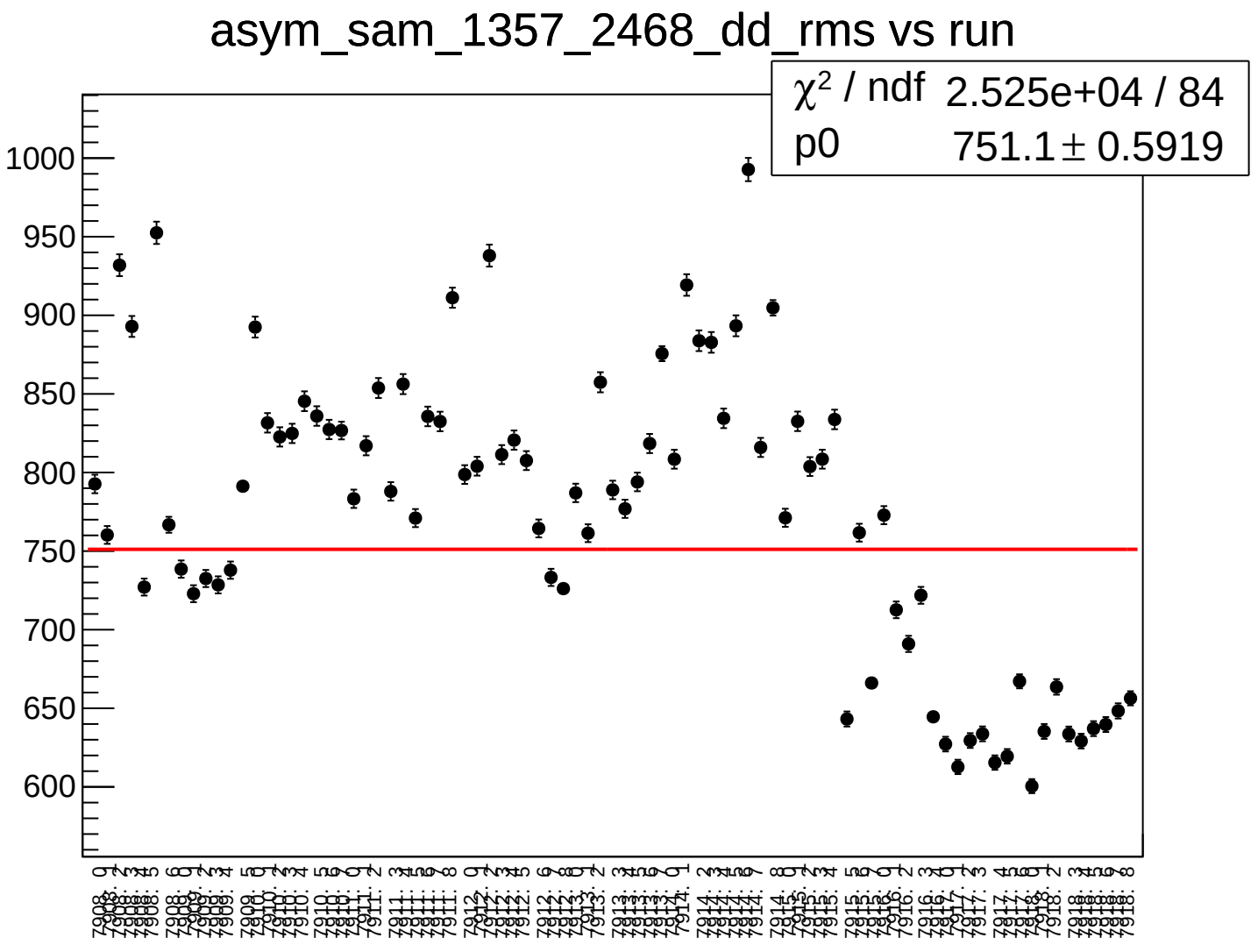

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 104 / 84
p0 715.6 ± 835.3
pull
Entries 85
Mean −22.18
Std Dev 85.67

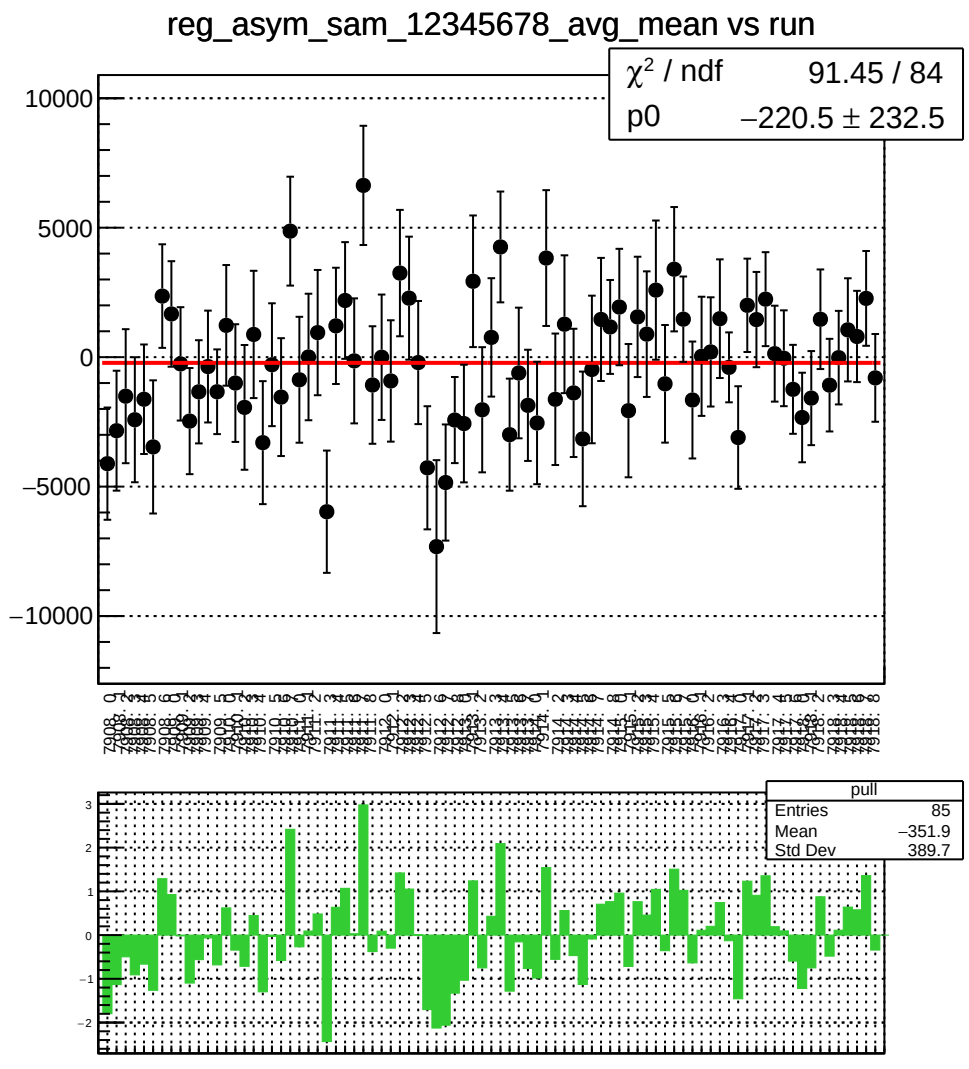

pull1D
Entries 85
Mean −0.008689
Std Dev 1.106

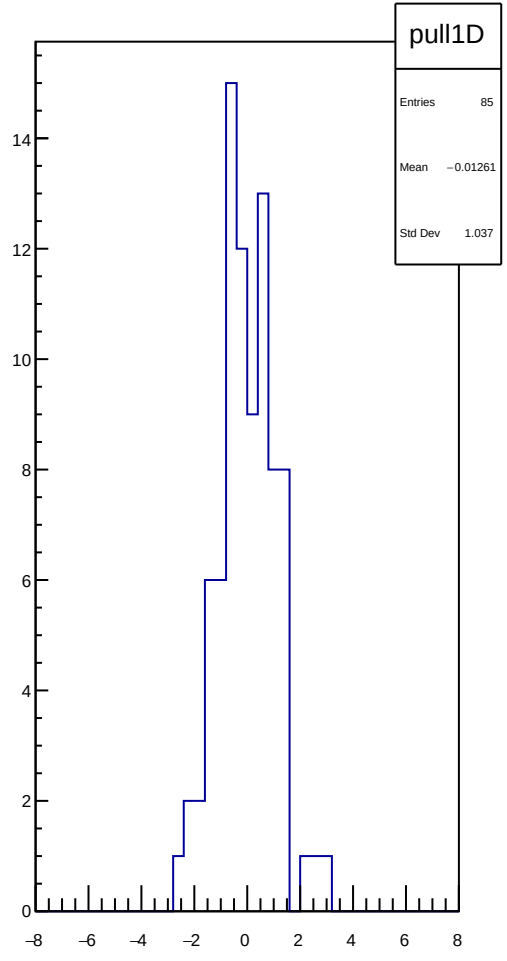

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.524e+04 / 84
p0 749.5 ± 0.5907
1000
950
900
850
800
750
700
650
600

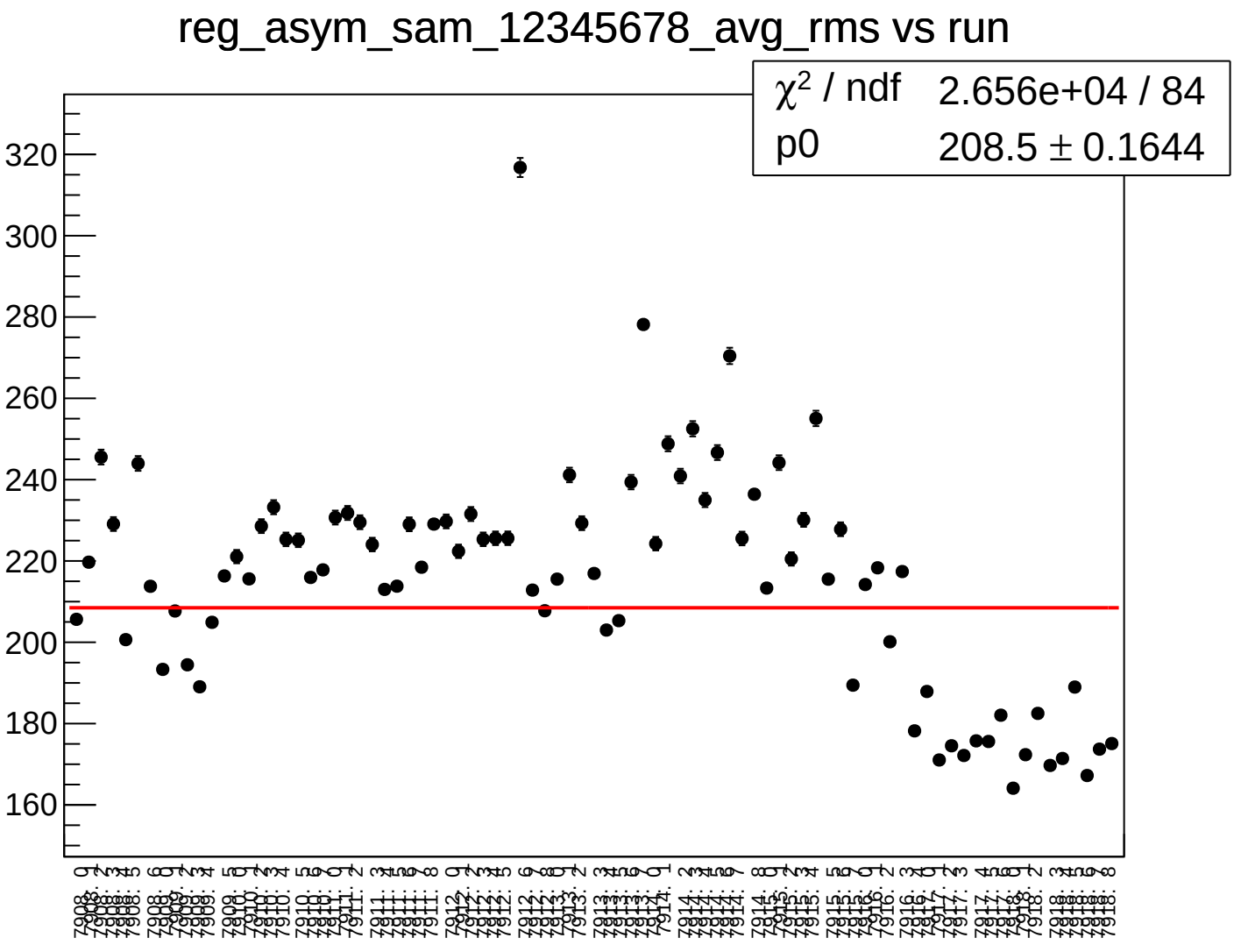

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 104.3 / 84
p0 −700.8 ± 837.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −45.17
Std Dev 103.7
2
1
0
−1
−2
−3

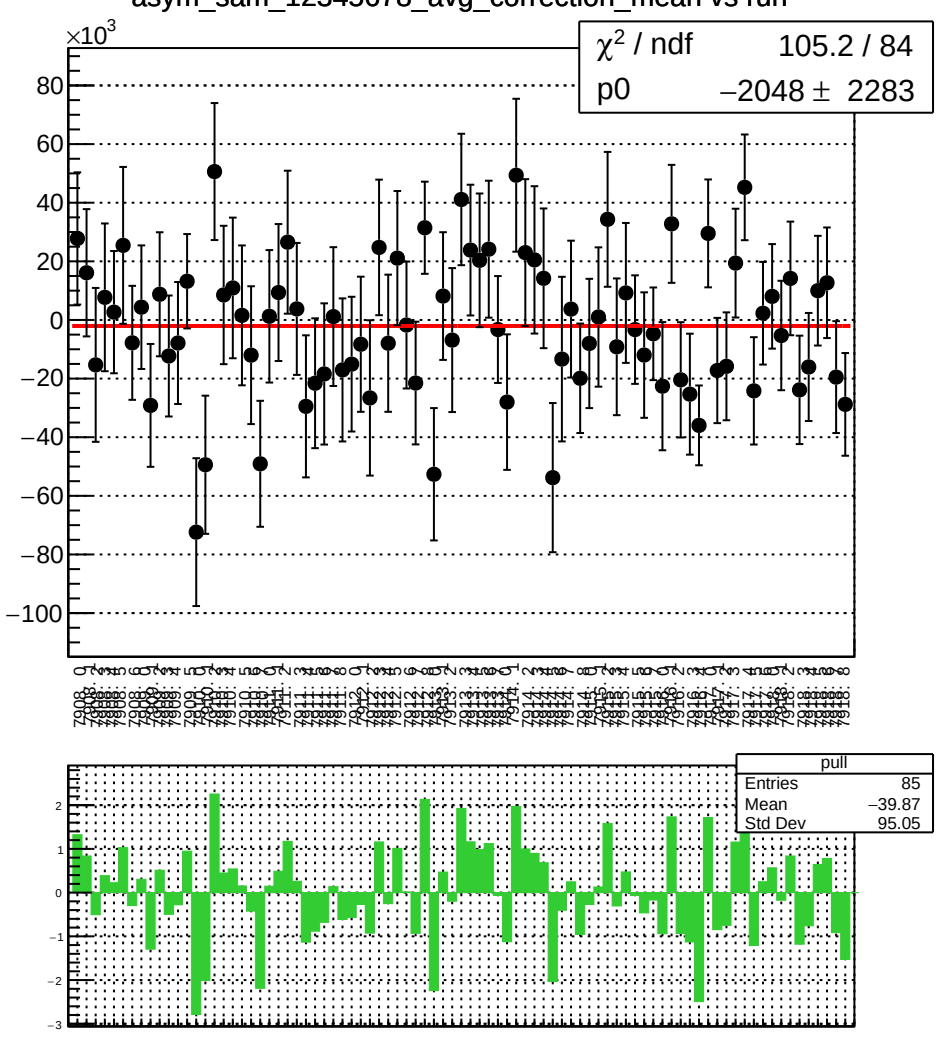

pull1D
Entries 85
Mean 0.008607
Std Dev 1.107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

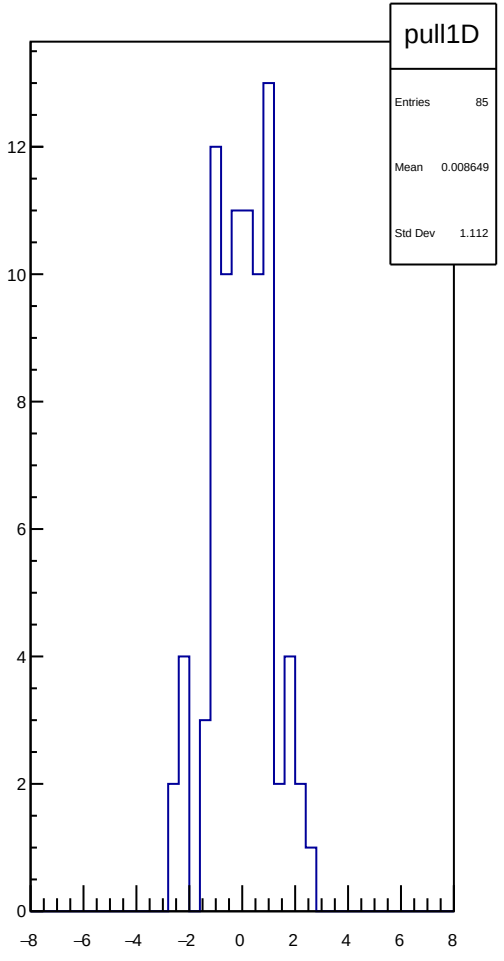

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.525e+04 / 84
p0 751.1 ± 0.5919
1000
950
900
850
800
750
700
650
600

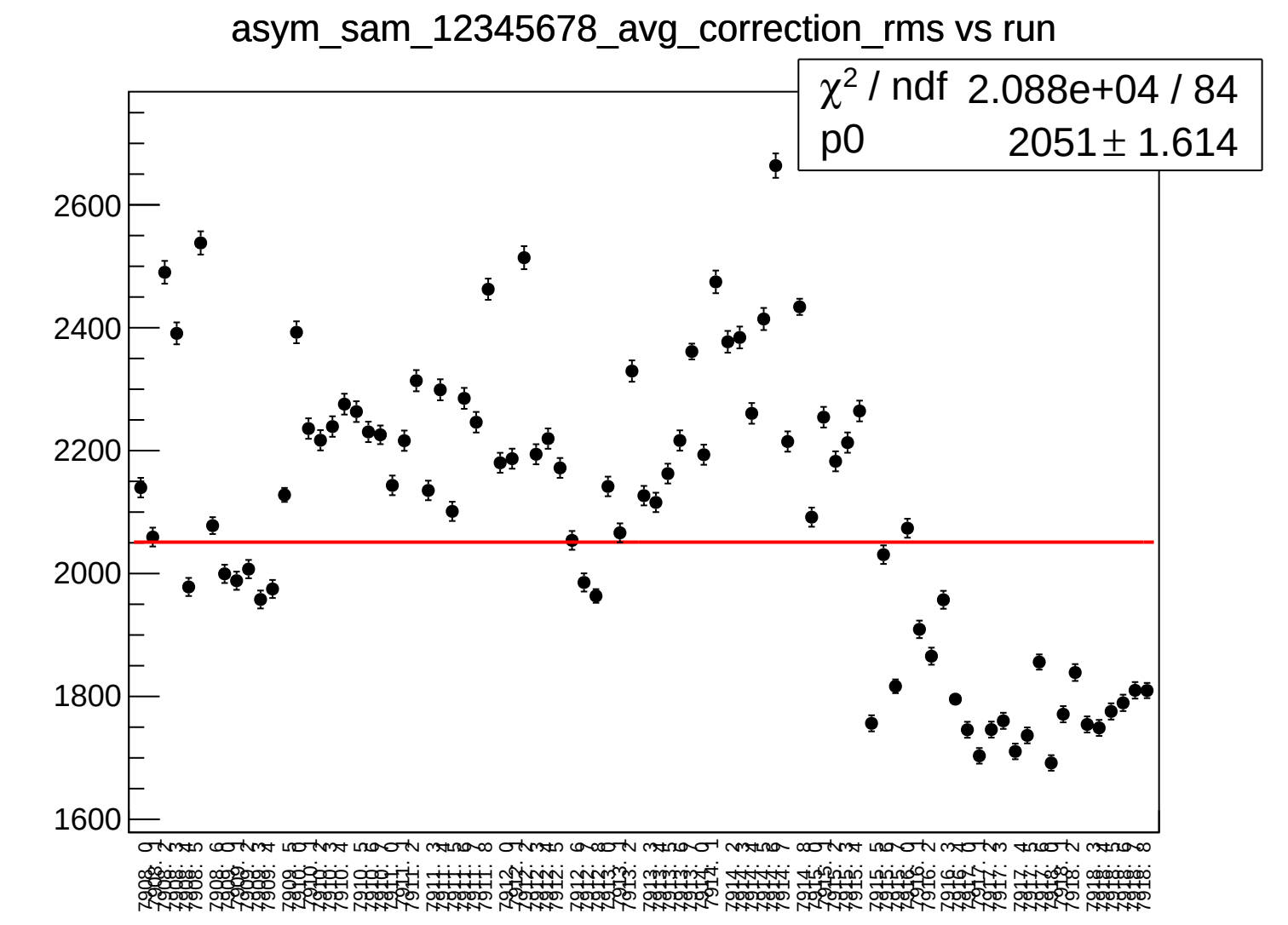

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 91.45 / 84
p0 −220.5 ± 232.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −351.9
Std Dev 389.7
3
2
1
0
−1
−2

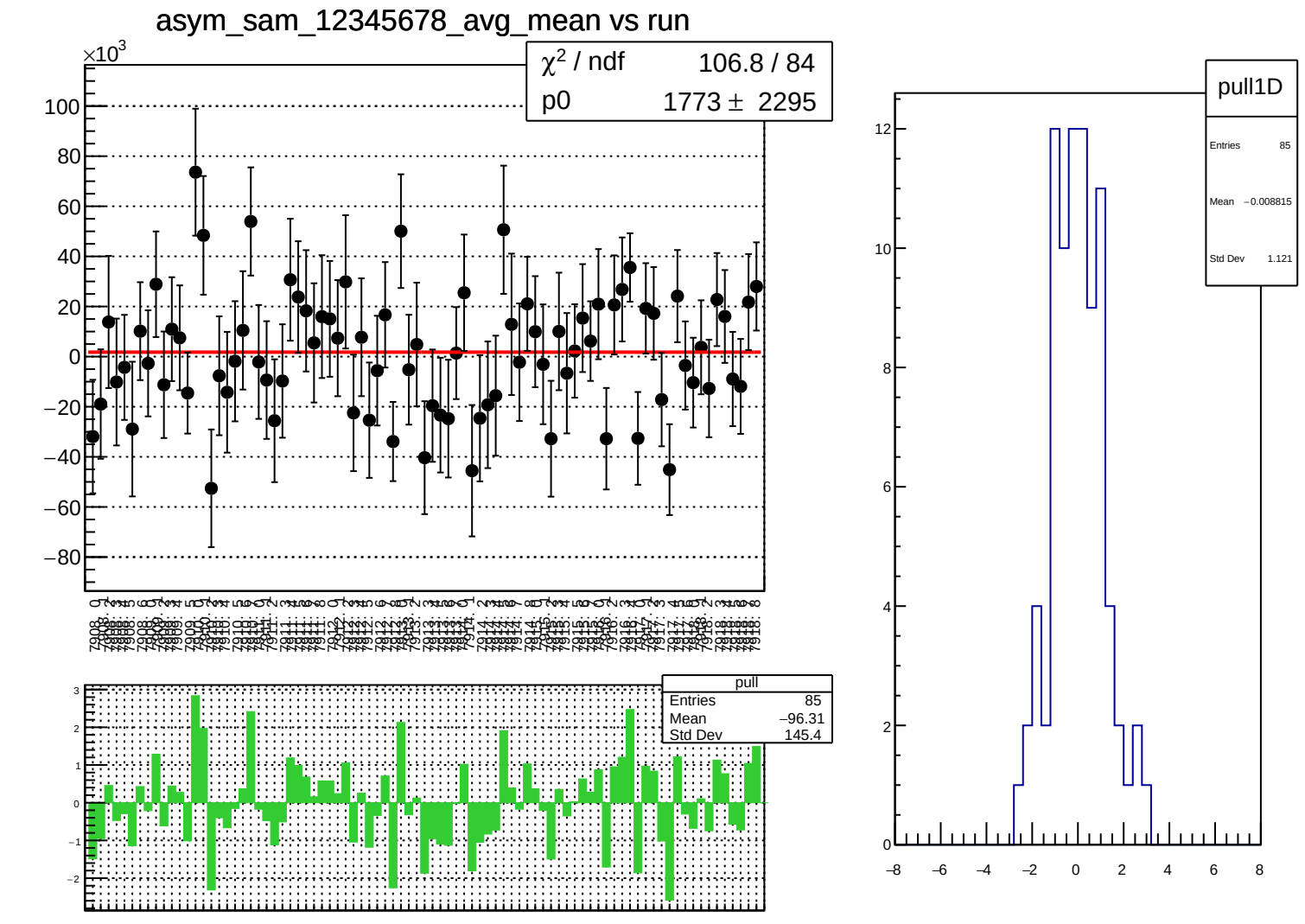

pull1D
Entries 85
Mean −0.01261
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

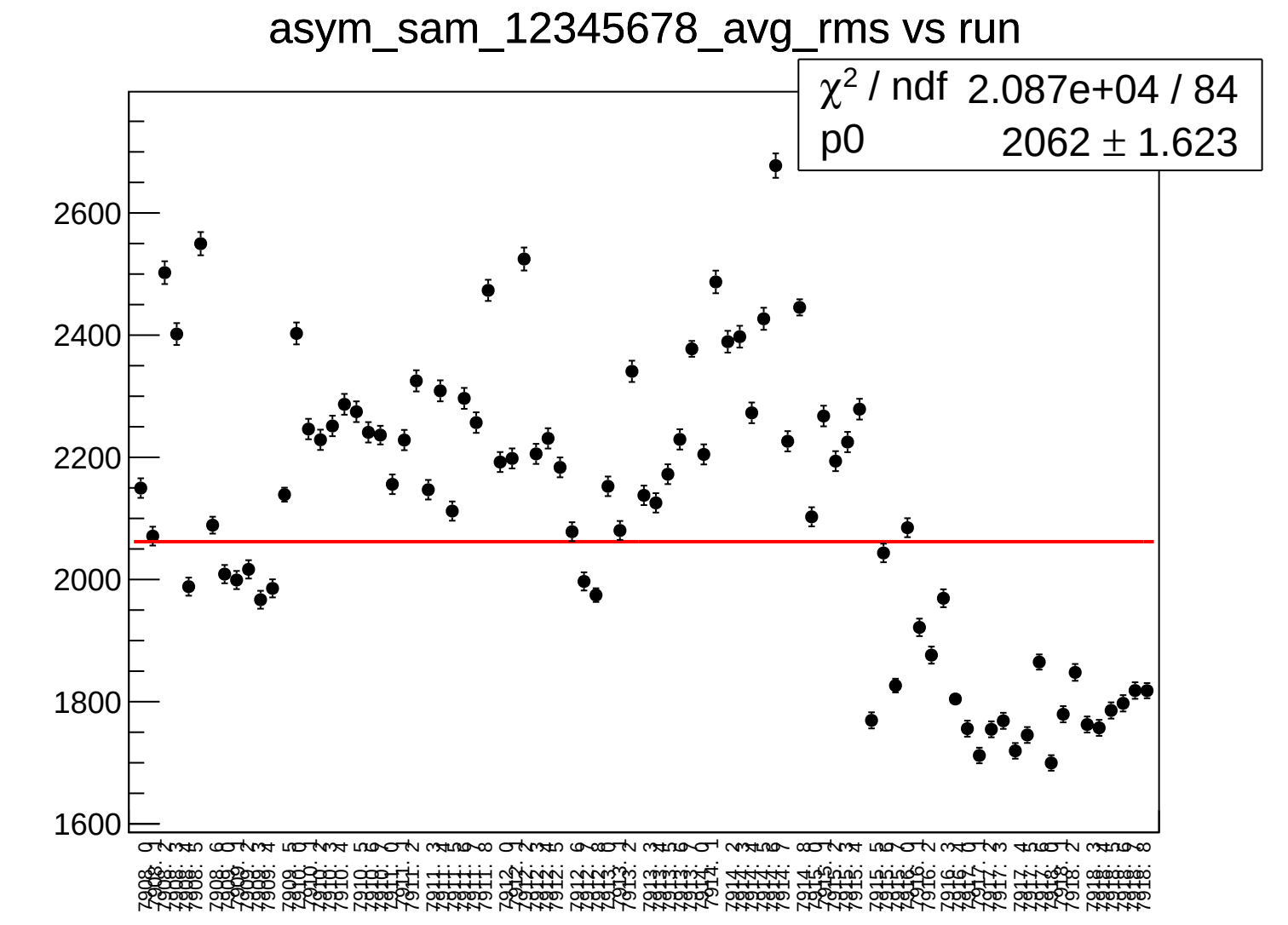

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.656e+04 / 84
p0 208.5 ± 0.1644
320
300
280
260
240
220
200
180
160

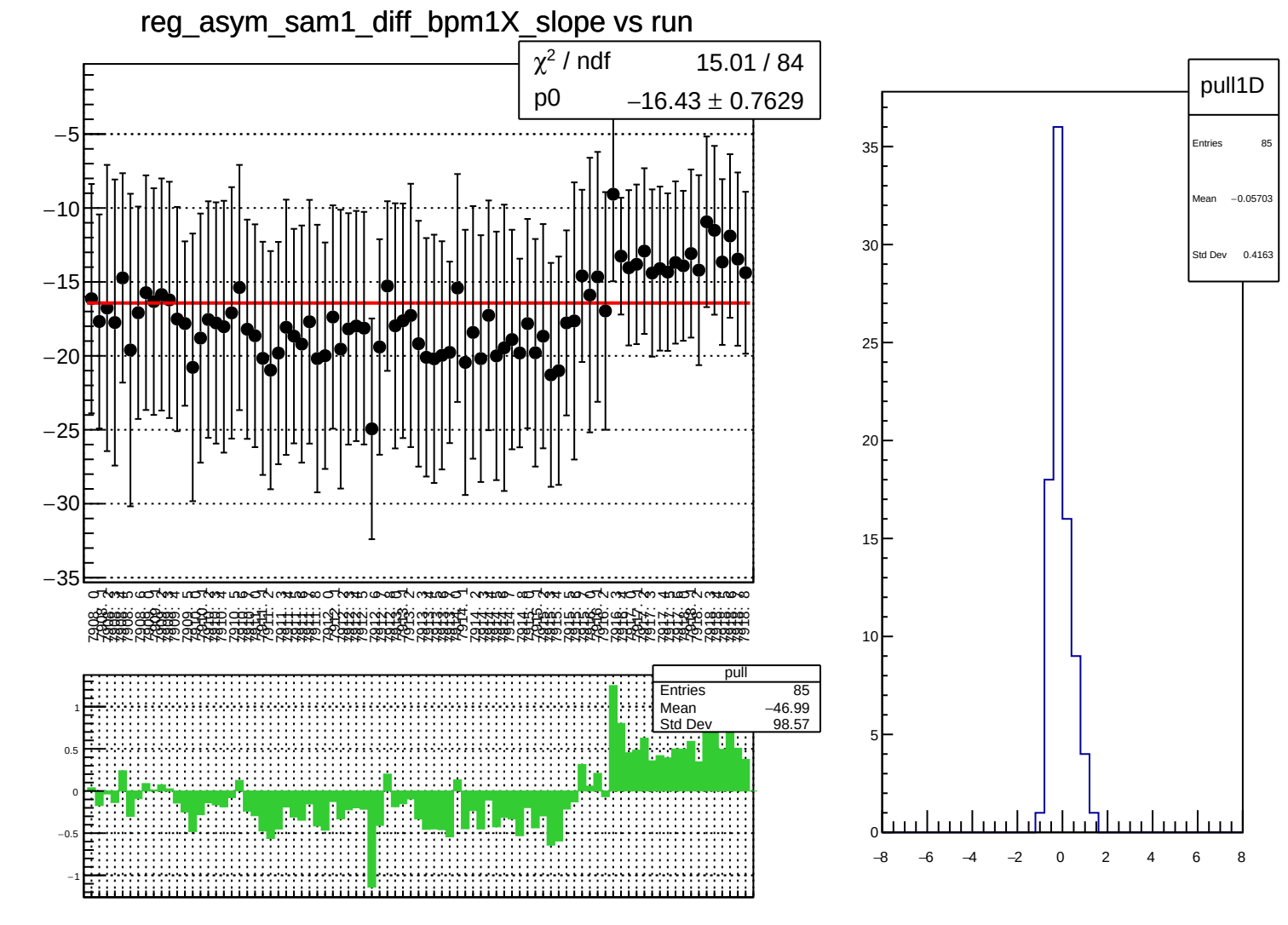

asym_sam_12345678_avg_correction_mean vs run
×10^3
χ² / ndf 105.2 / 84
p0 −2048 ± 2283
pull
Entries 85
Mean −39.87
Std Dev 95.05

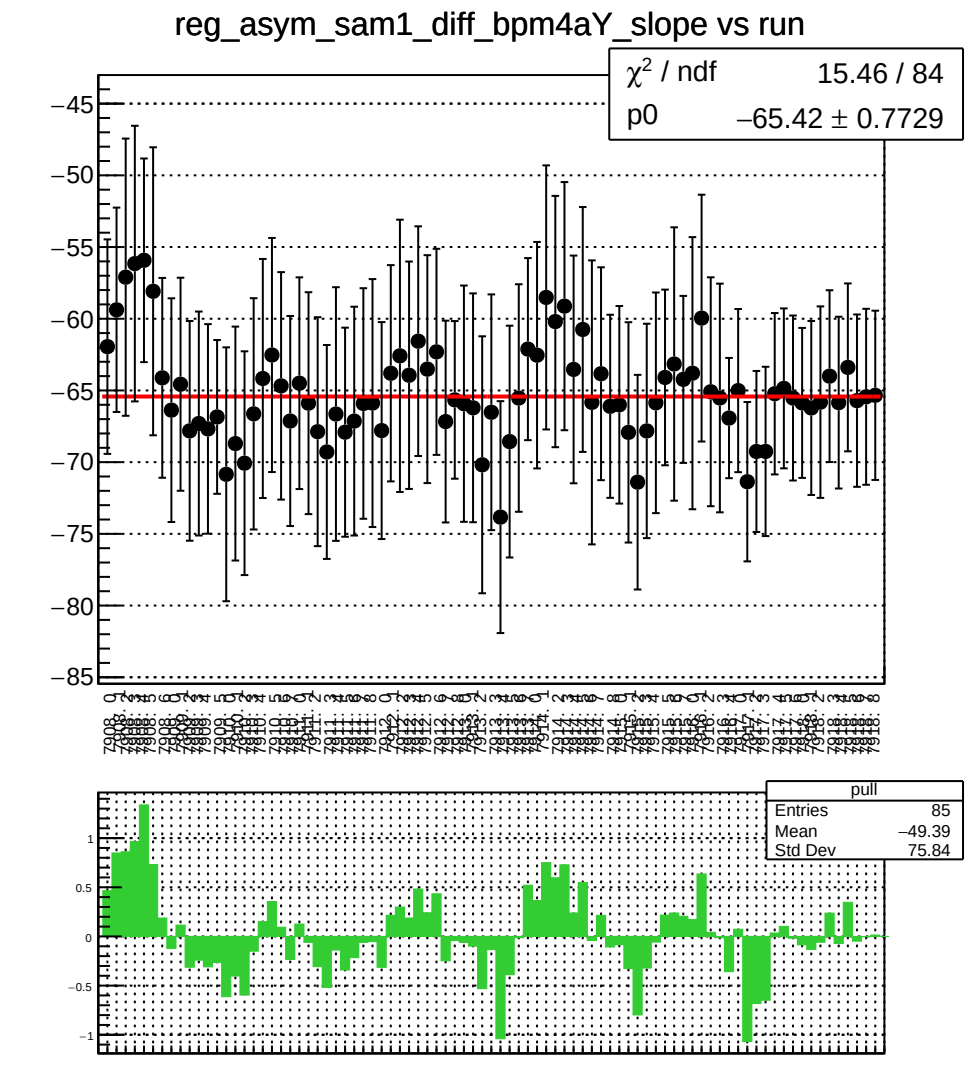

pull1D
Entries 85
Mean 0.008649
Std Dev 1.112

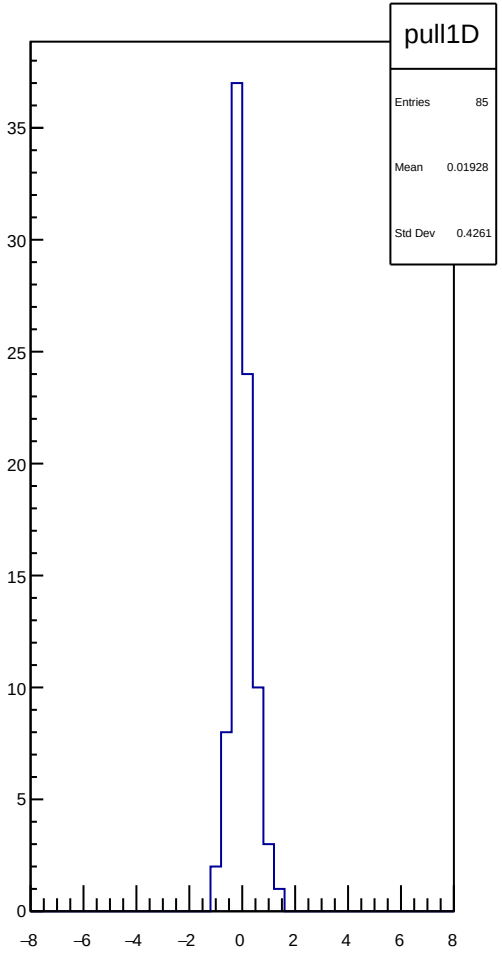

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2.088e+04 / 84
p0 2051 ± 1.614
2600
2400
2200
2000
1800
1600

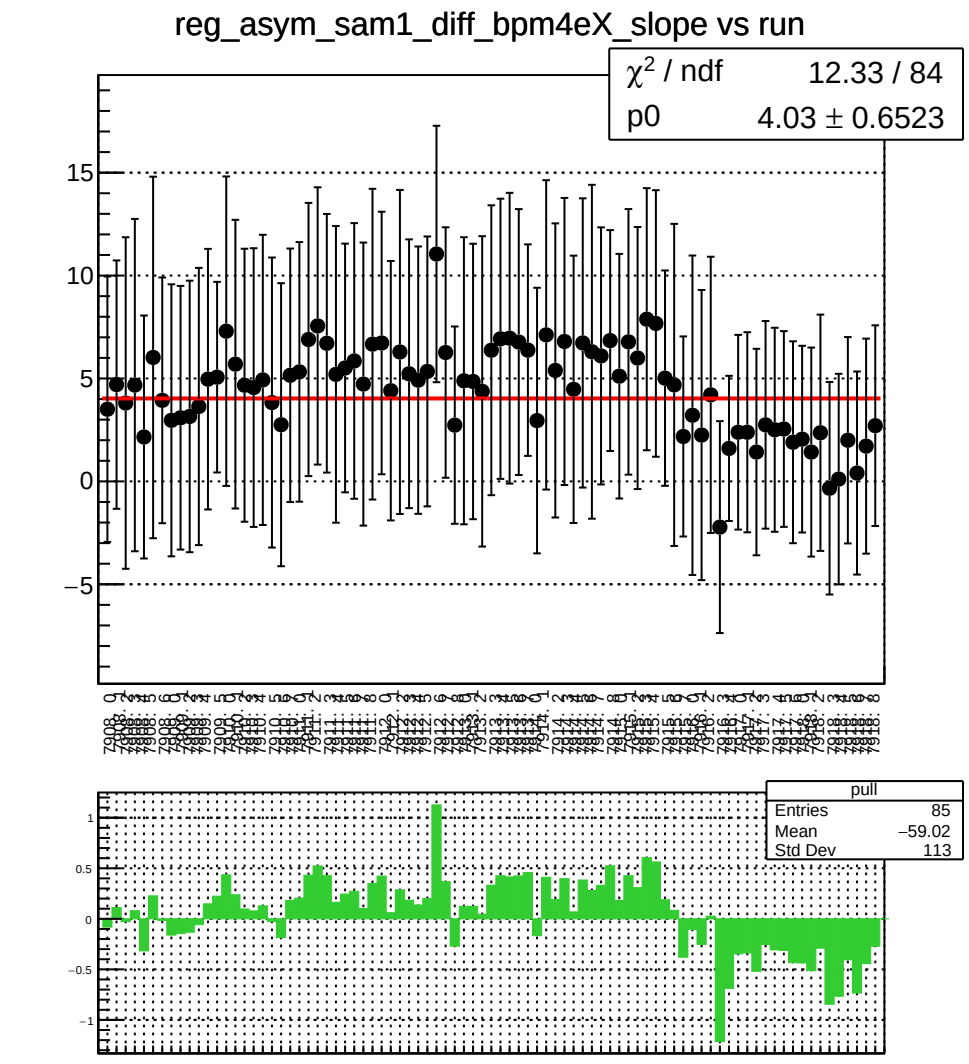

asym_sam_12345678_avg_mean vs run
×10^3
χ^2 / ndf 106.8 / 84
p0 1773 ± 2295
pull
Entries 85
Mean −96.31
Std Dev 145.4
pull1D
Entries 85
Mean −0.008815
Std Dev 1.121

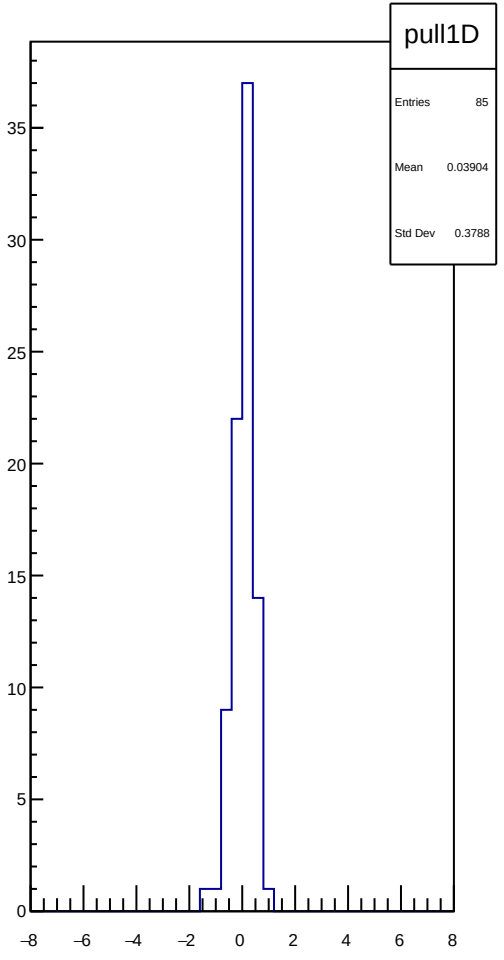

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.087e+04 / 84
p0 2062 ± 1.623
2600
2400
2200
2000
1800
1600

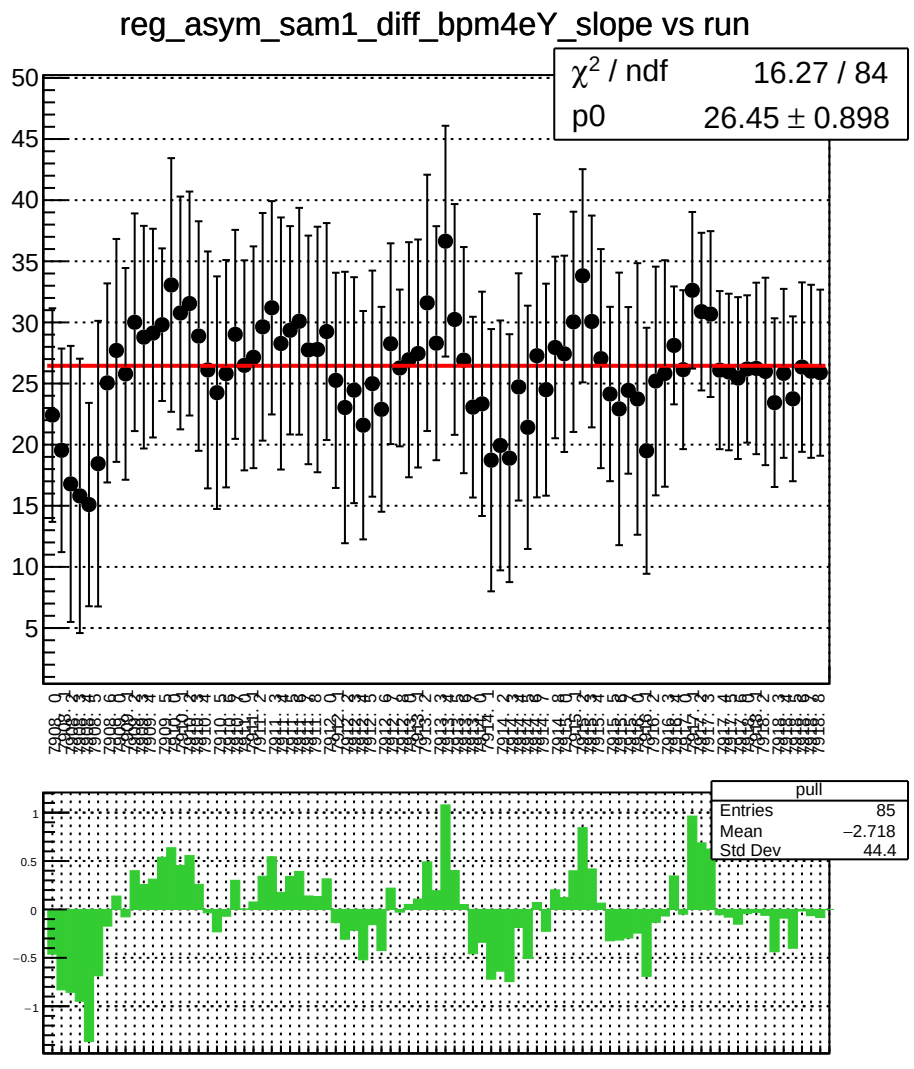

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 15.01 / 84
p0 −16.43 ± 0.7629
pull
Entries 85
Mean −46.99
Std Dev 98.57
pull1D
Entries 85
Mean −0.05703
Std Dev 0.4163

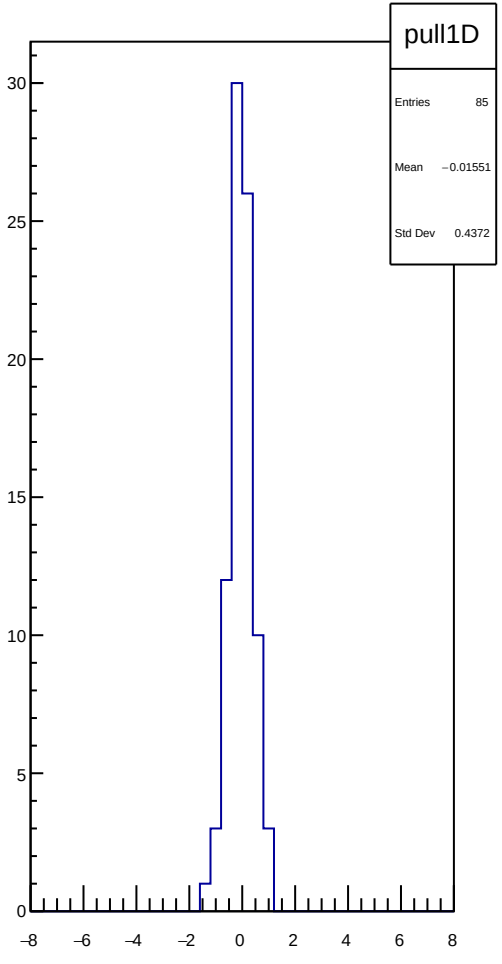

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.46 / 84
p0 −65.42 ± 0.7729
pull
Entries 85
Mean −49.39
Std Dev 75.84

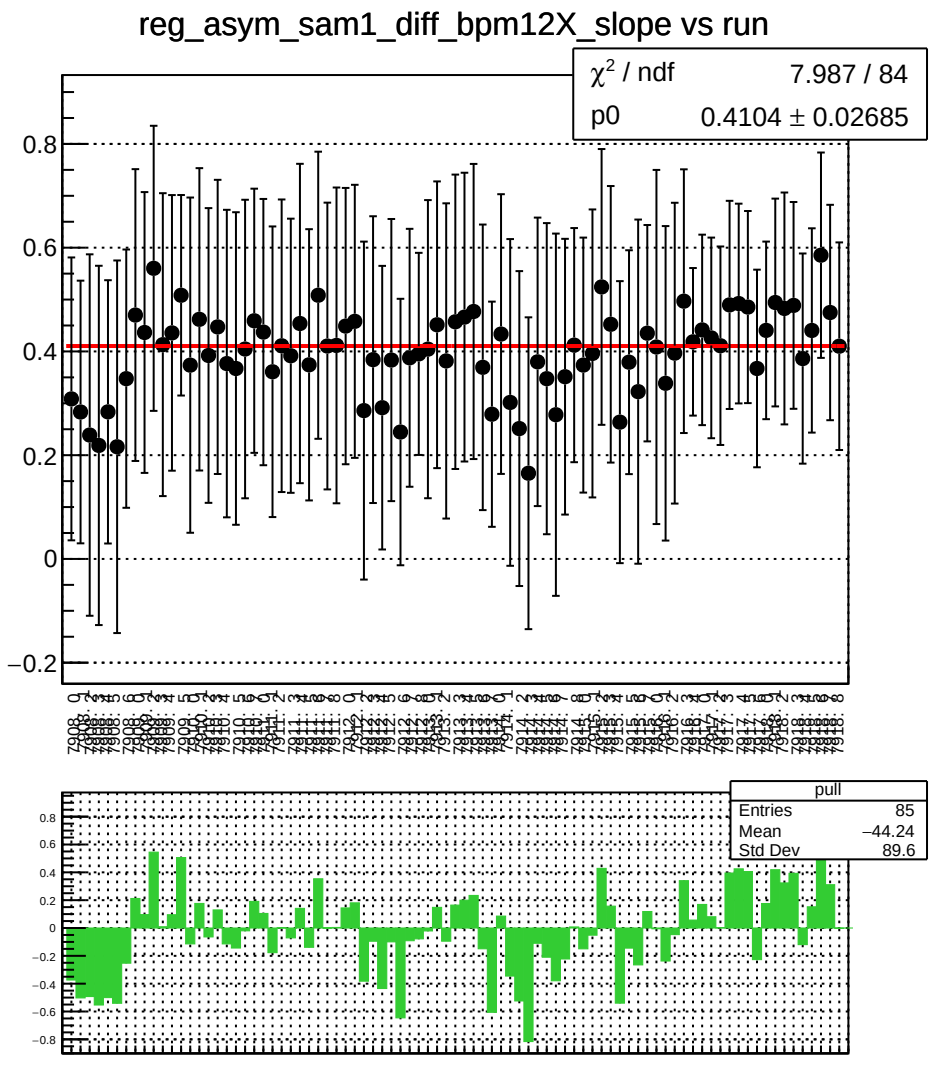

pull1D
Entries 85
Mean 0.01928
Std Dev 0.4261

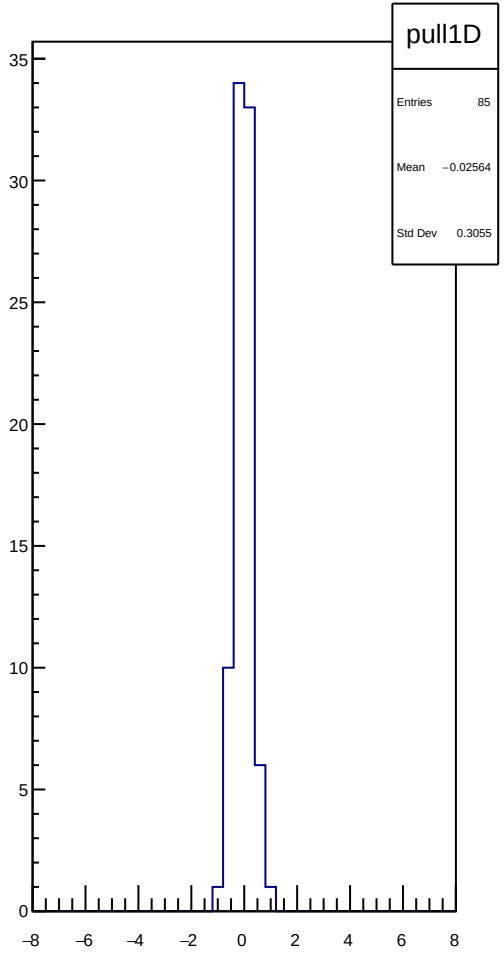

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 12.33 / 84
p0 4.03 ± 0.6523
pull
Entries 85
Mean −59.02
Std Dev 113

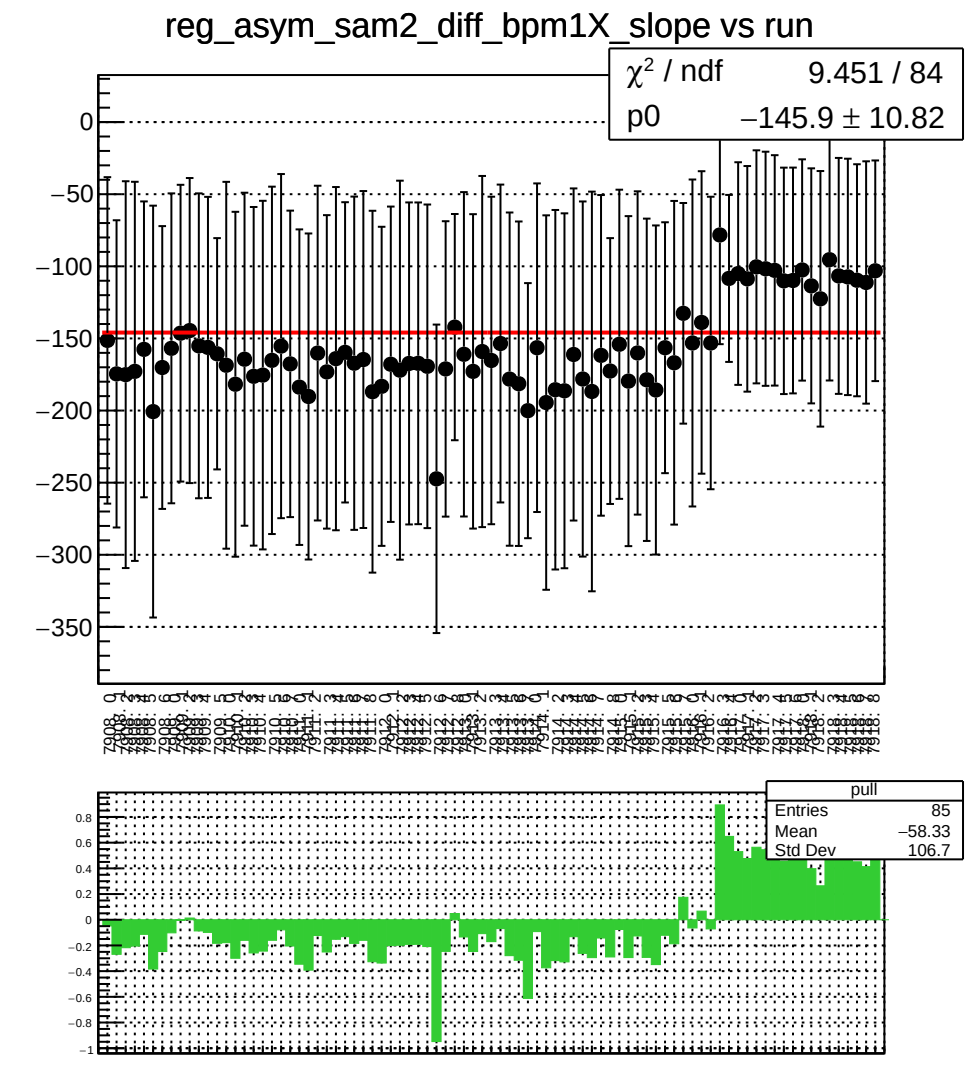

pull1D
Entries 85
Mean 0.03904
Std Dev 0.3788

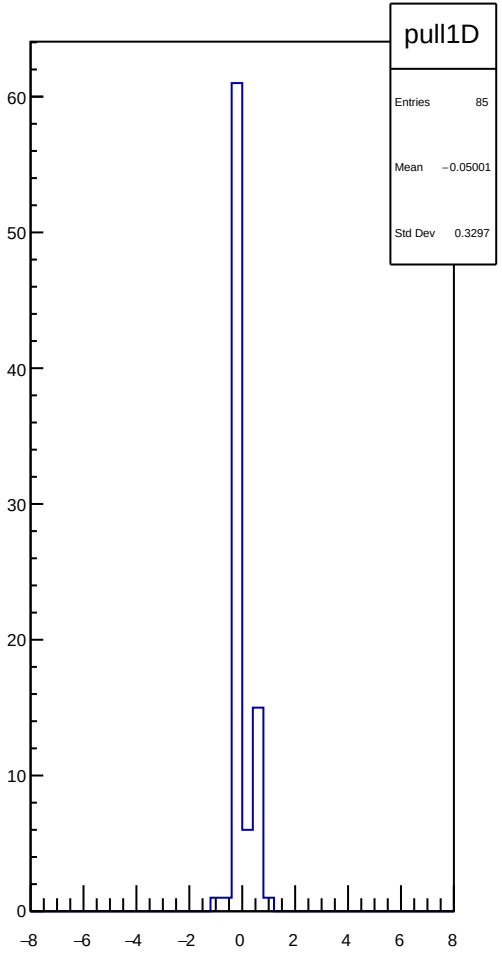

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 16.27 / 84
p0 26.45 ± 0.898
pull
Entries 85
Mean −2.718
Std Dev 44.4

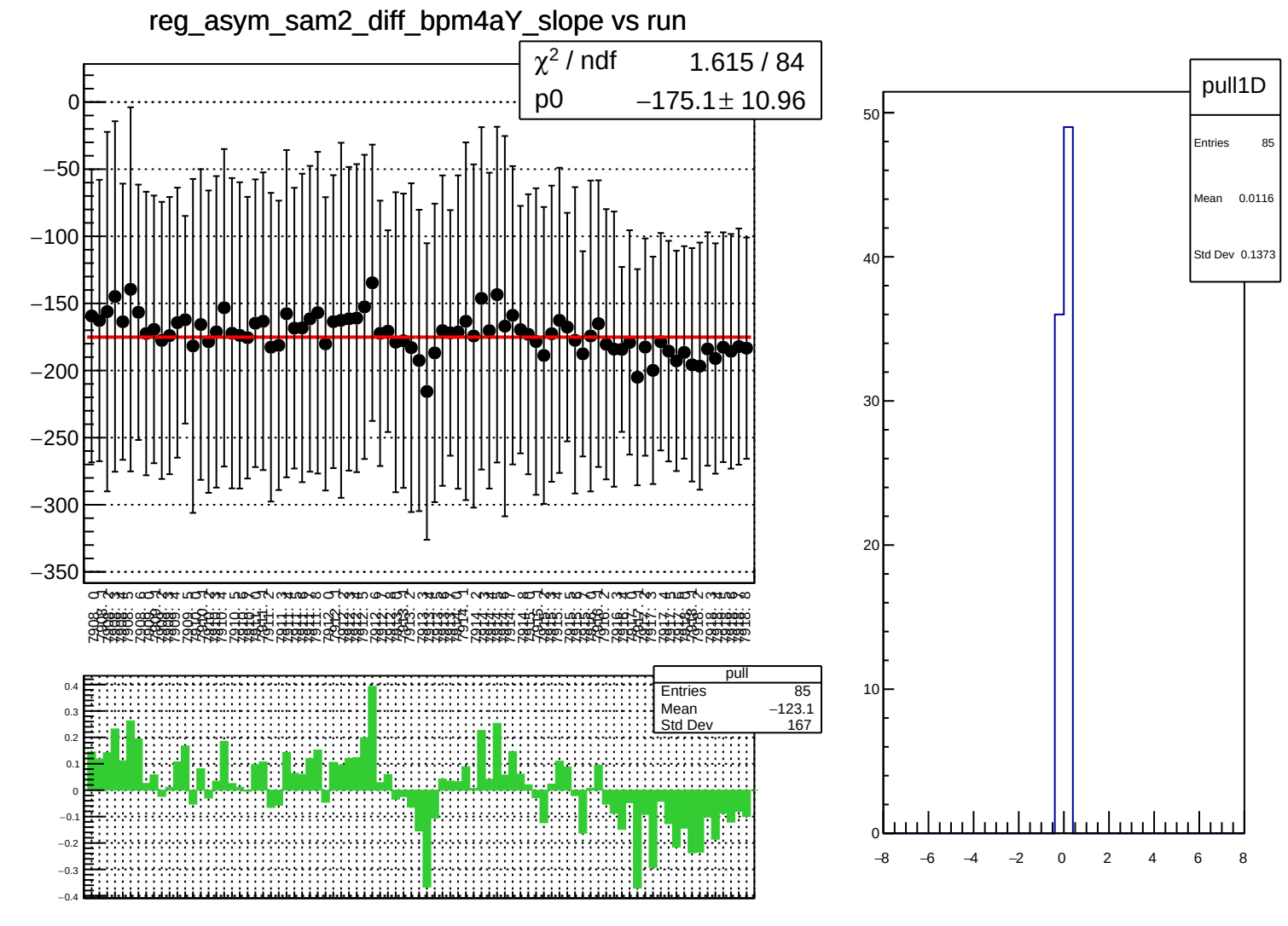

pull1D
Entries 85
Mean −0.01551
Std Dev 0.4372

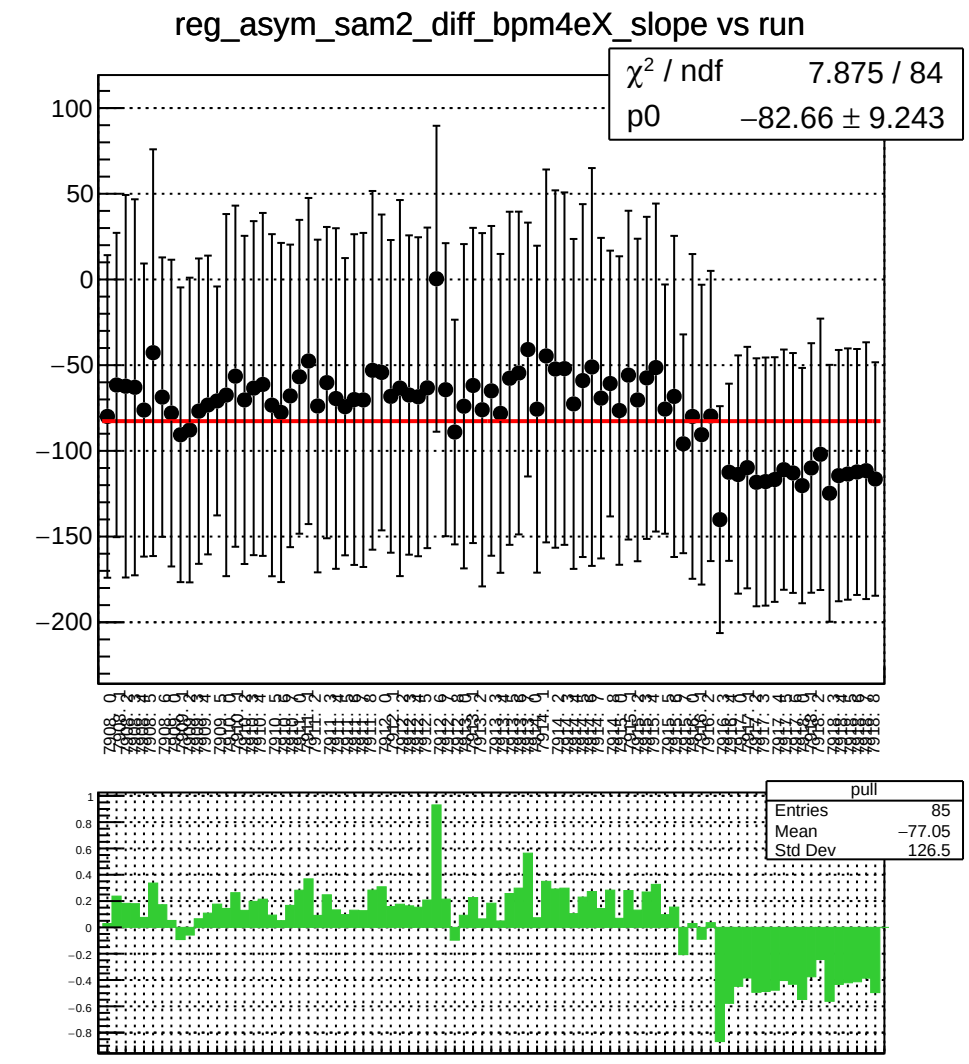

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 7.987 / 84
p0 0.4104 ± 0.02685
pull
Entries 85
Mean −44.24
Std Dev 89.6

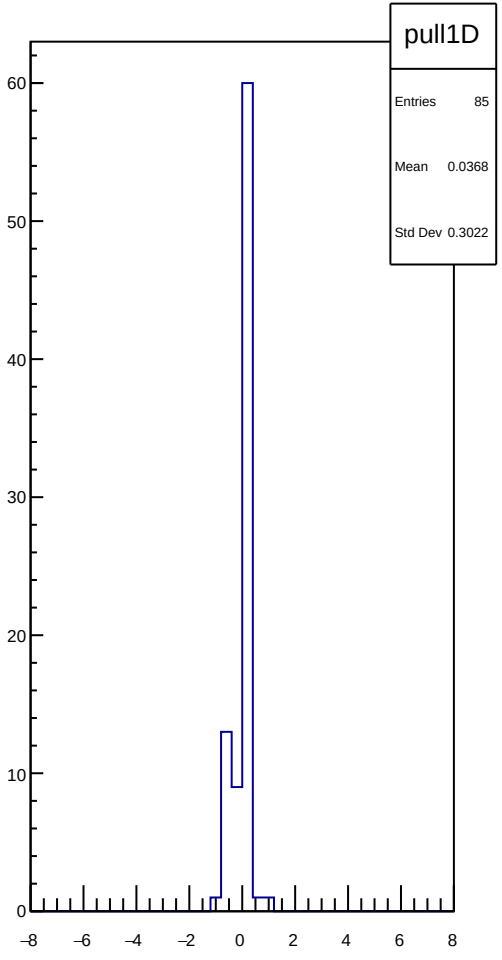

pull1D
Entries 85
Mean −0.02564
Std Dev 0.3055

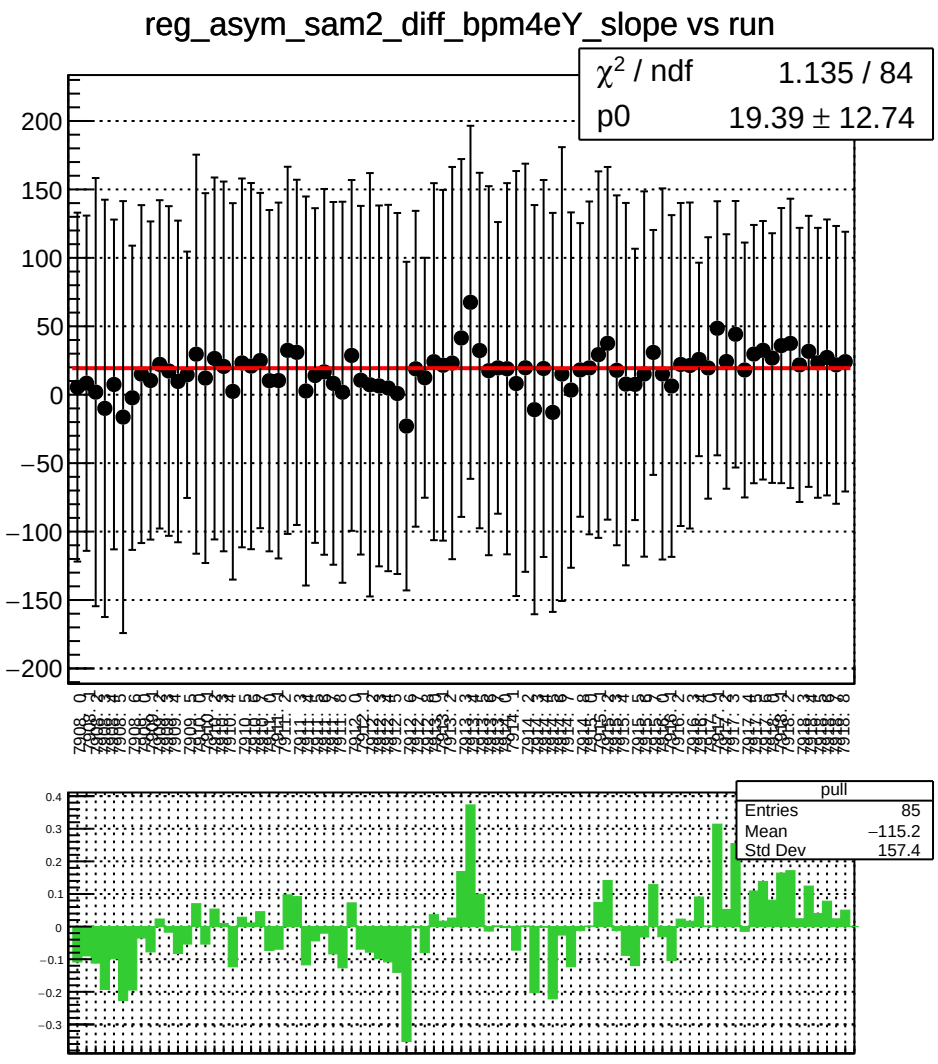

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 9.451 / 84
p0 −145.9 ± 10.82
pull
Entries 85
Mean −58.33
Std Dev 106.7

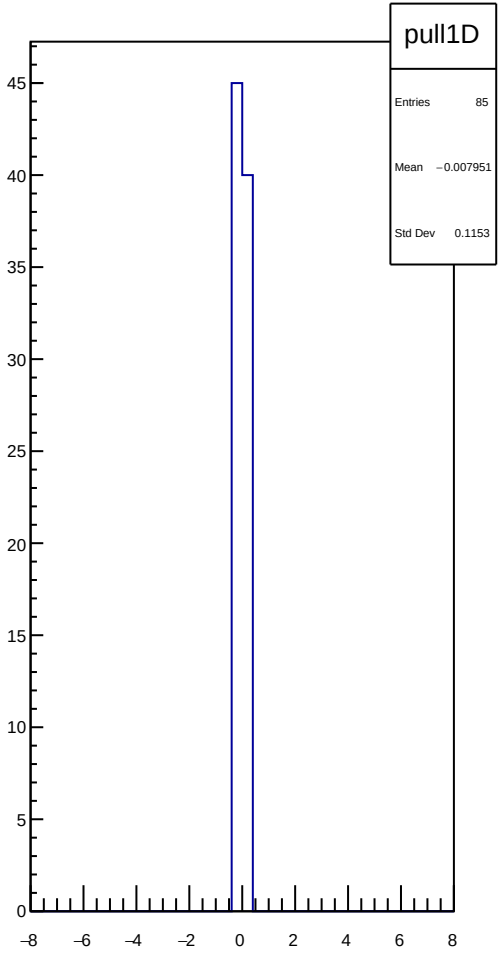

pull1D
Entries 85
Mean −0.05001
Std Dev 0.3297

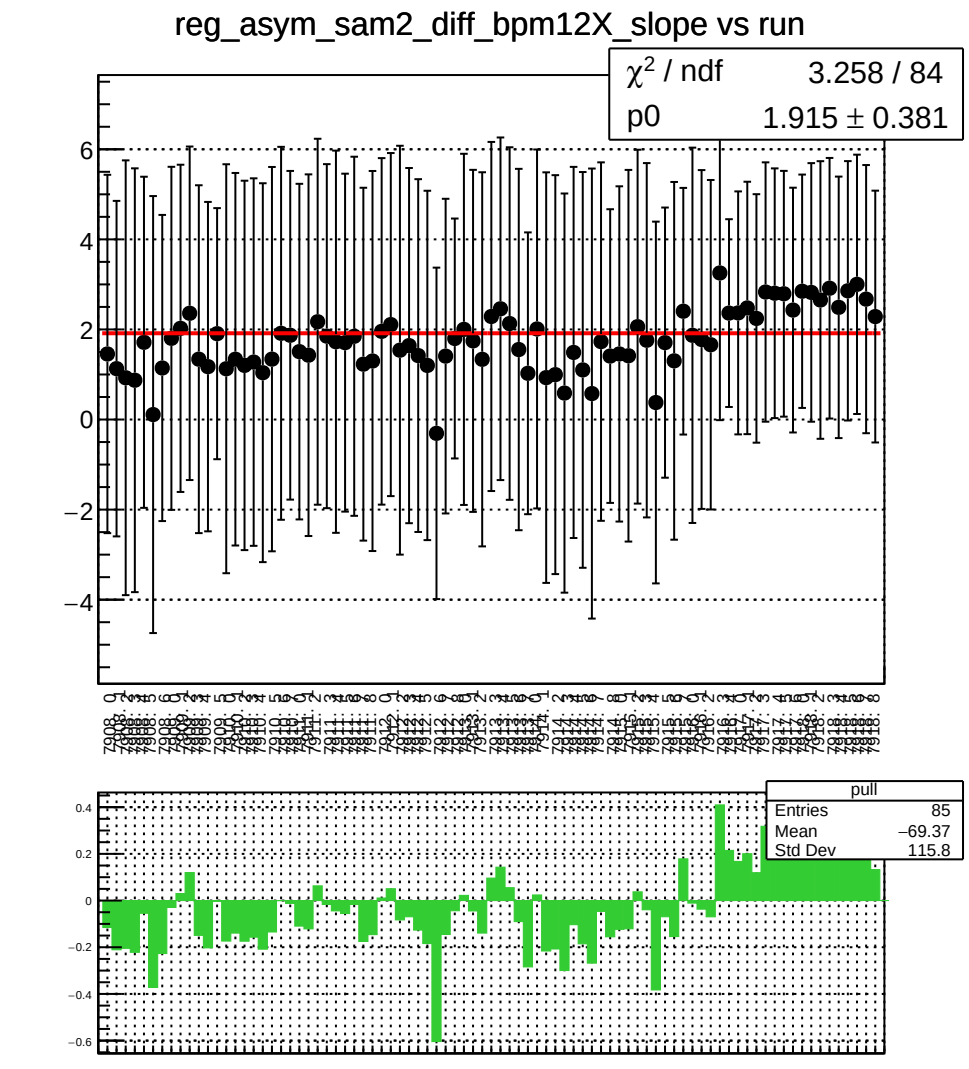

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.615 / 84
p0 −175.1± 10.96
pull
Entries 85
Mean −123.1
Std Dev 167
pull1D
Entries 85
Mean 0.0116
Std Dev 0.1373

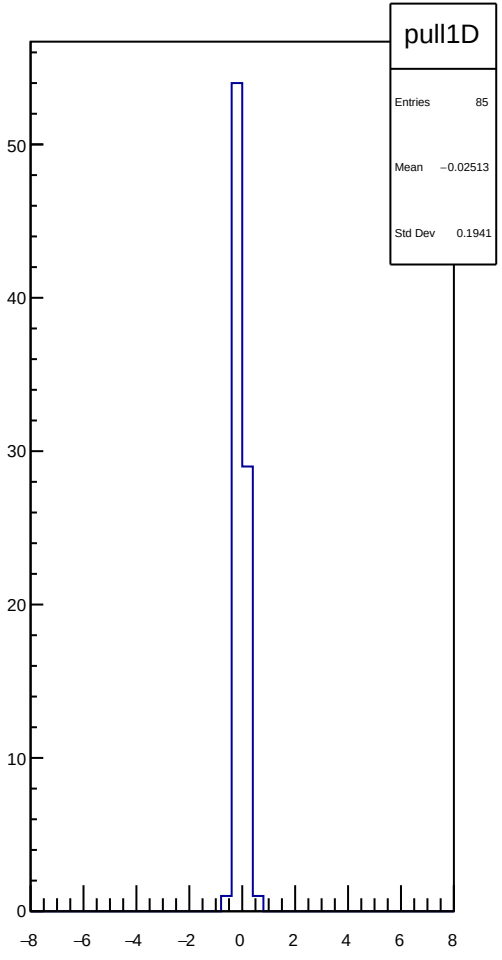

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.875 / 84
p0 −82.66 ± 9.243
pull
Entries 85
Mean −77.05
Std Dev 126.5

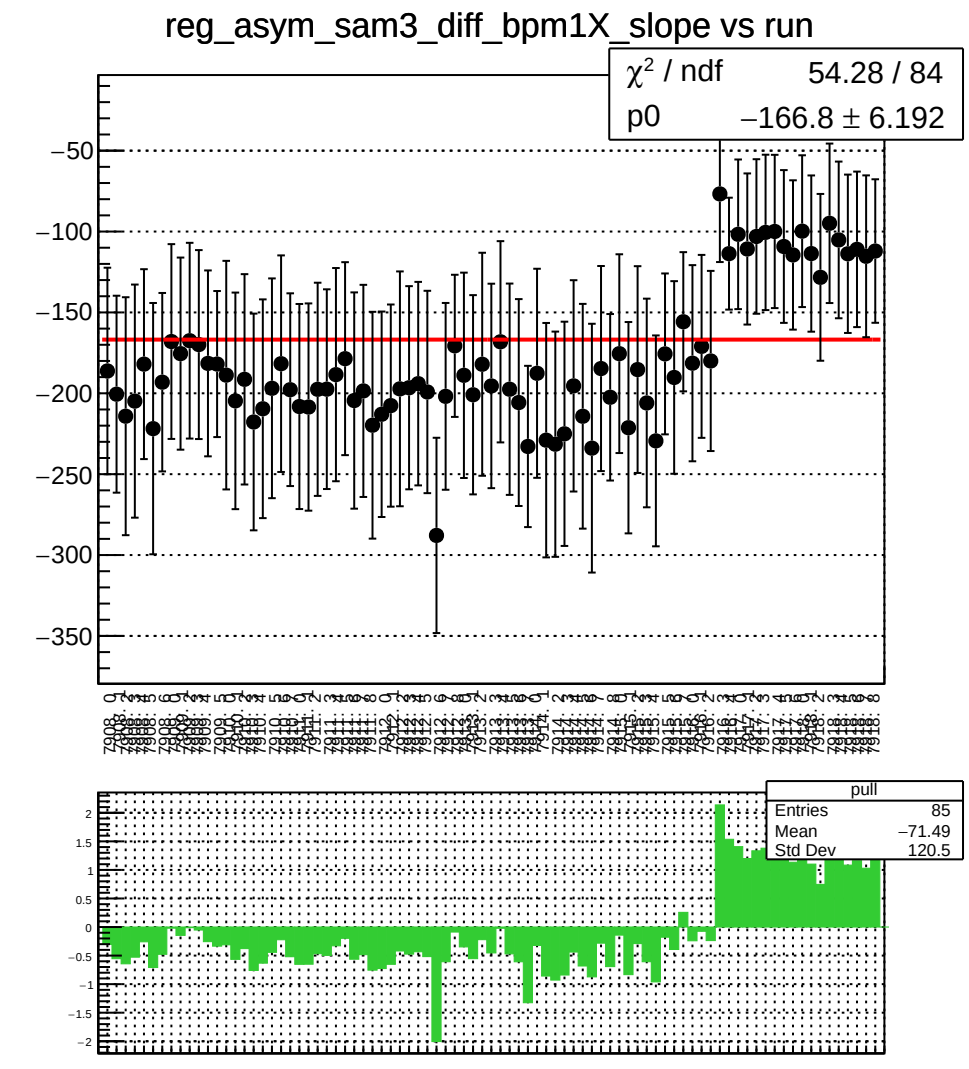

pull1D
Entries 85
Mean 0.0368
Std Dev 0.3022

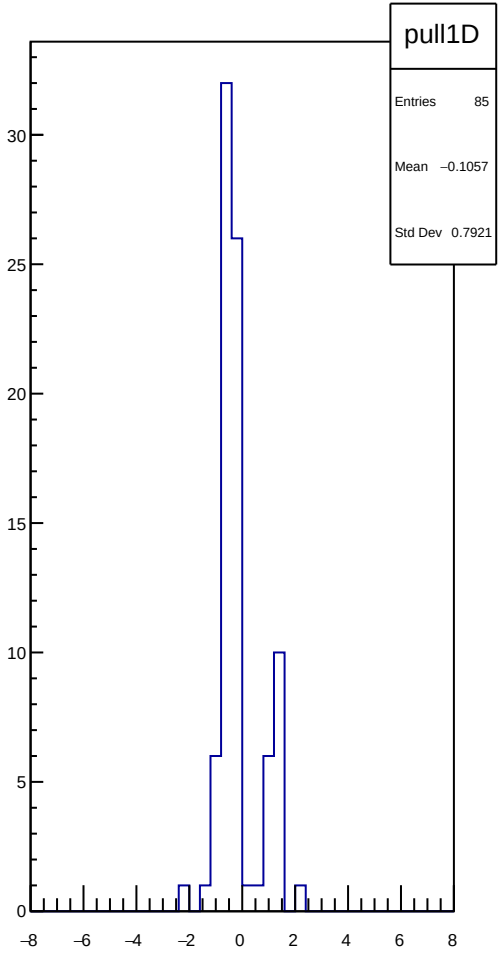

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.135 / 84
p0 19.39 ± 12.74
pull
Entries 85
Mean −115.2
Std Dev 157.4

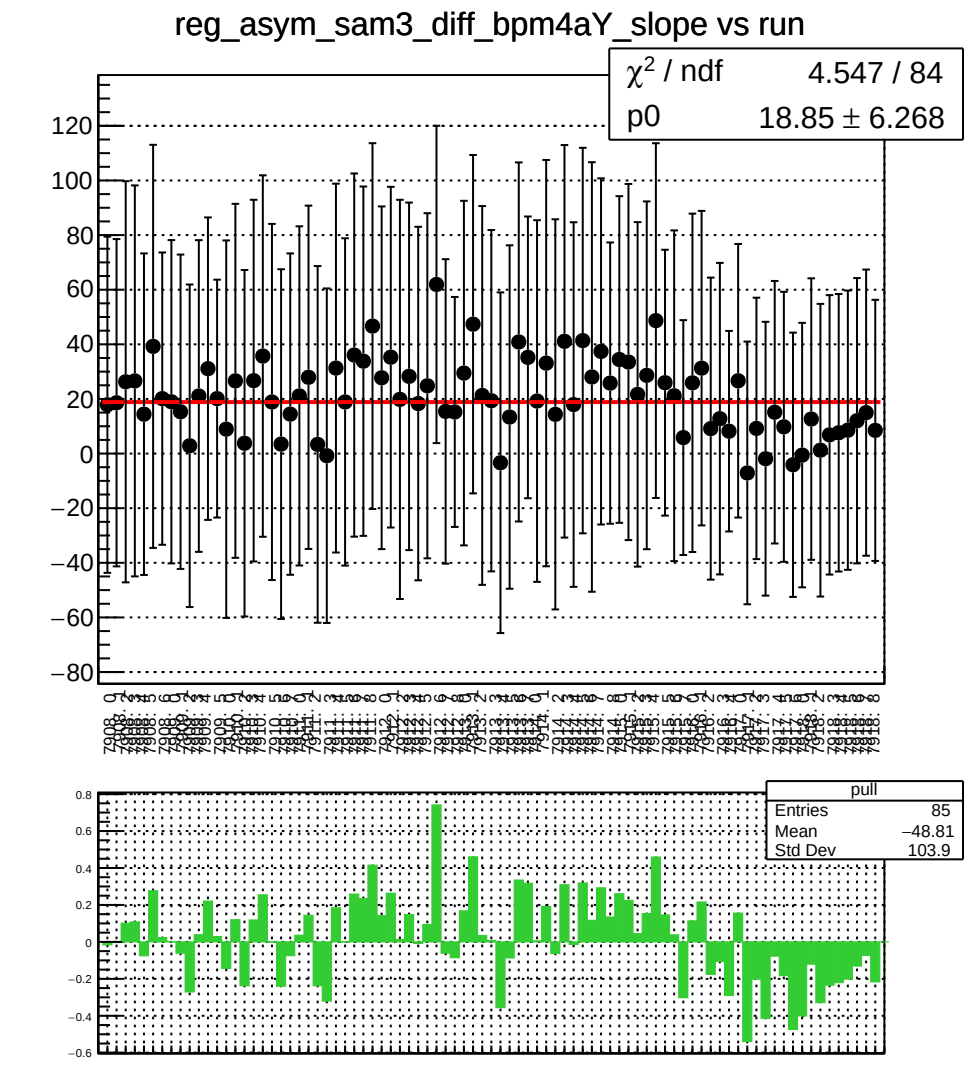

pull1D
Entries 85
Mean −0.007951
Std Dev 0.1153

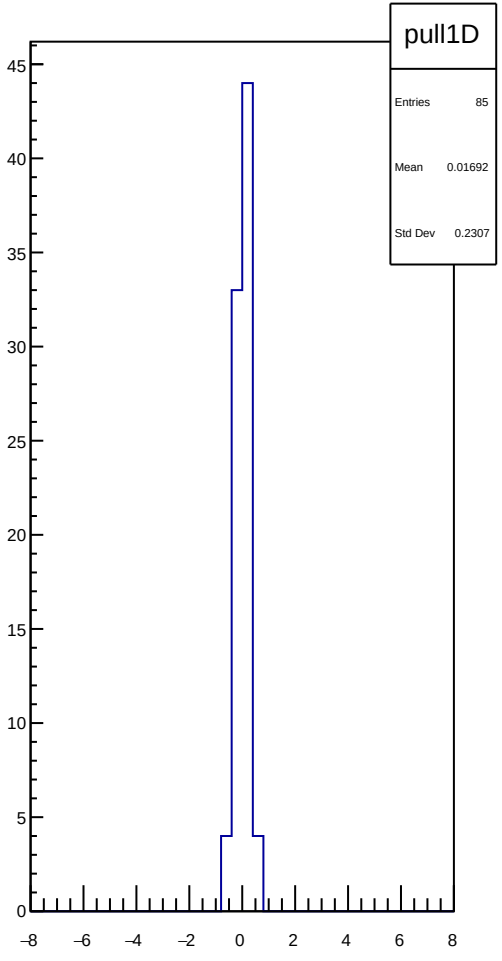

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 3.258 / 84
p0 1.915 ± 0.381
pull
Entries 85
Mean −69.37
Std Dev 115.8

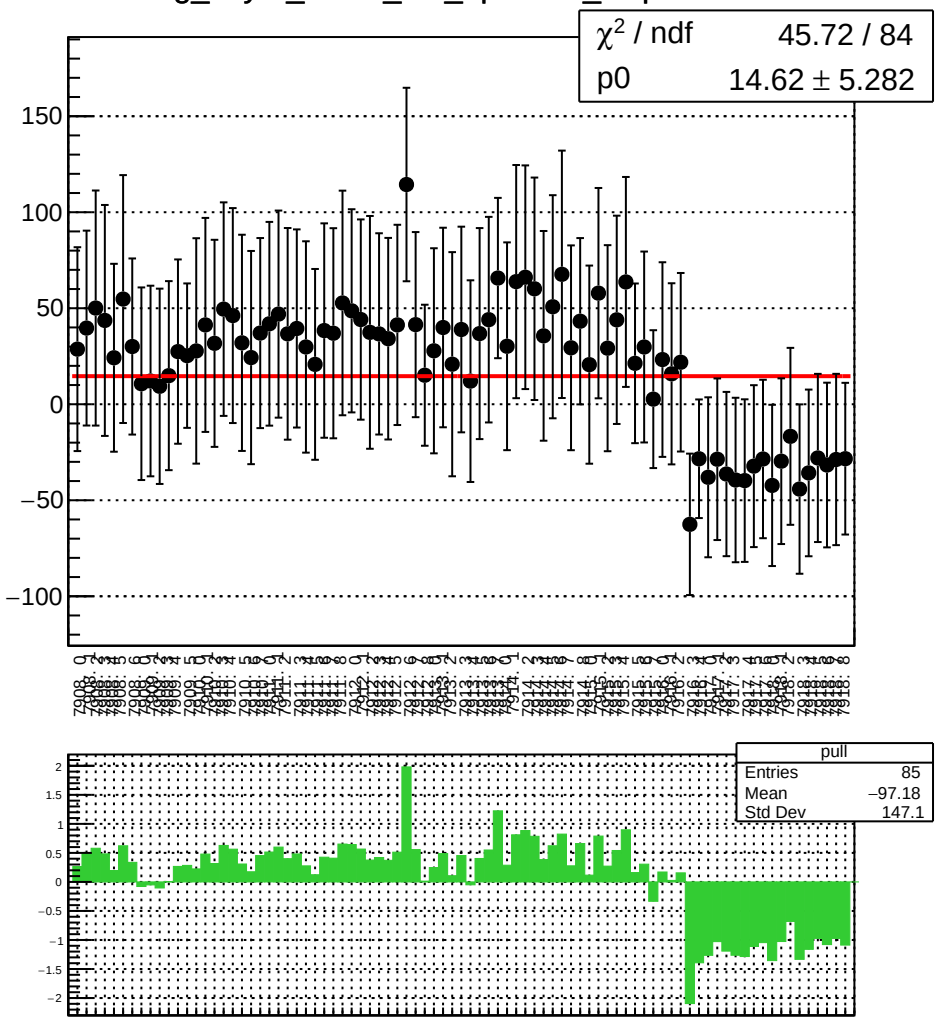

pull1D
Entries 85
Mean −0.02513
Std Dev 0.1941

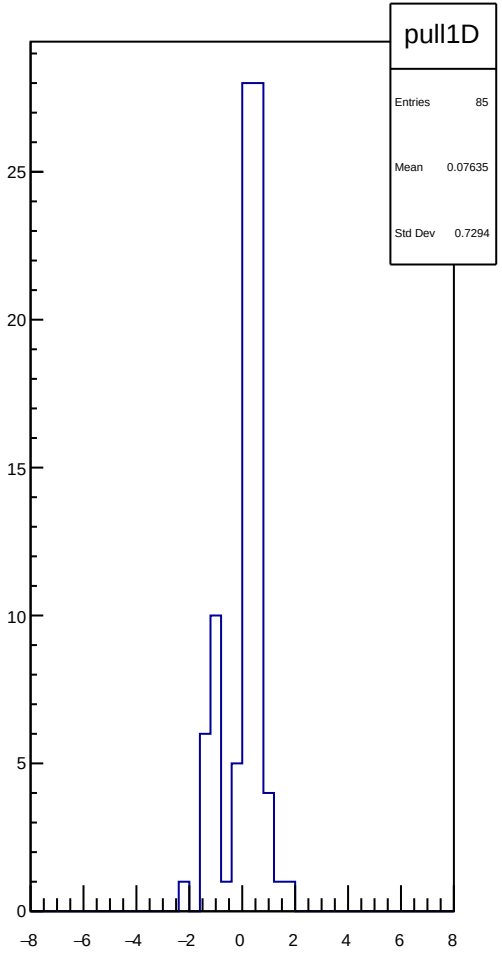

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 54.28 / 84
p0 −166.8 ± 6.192
pull
Entries 85
Mean −71.49
Std Dev 120.5

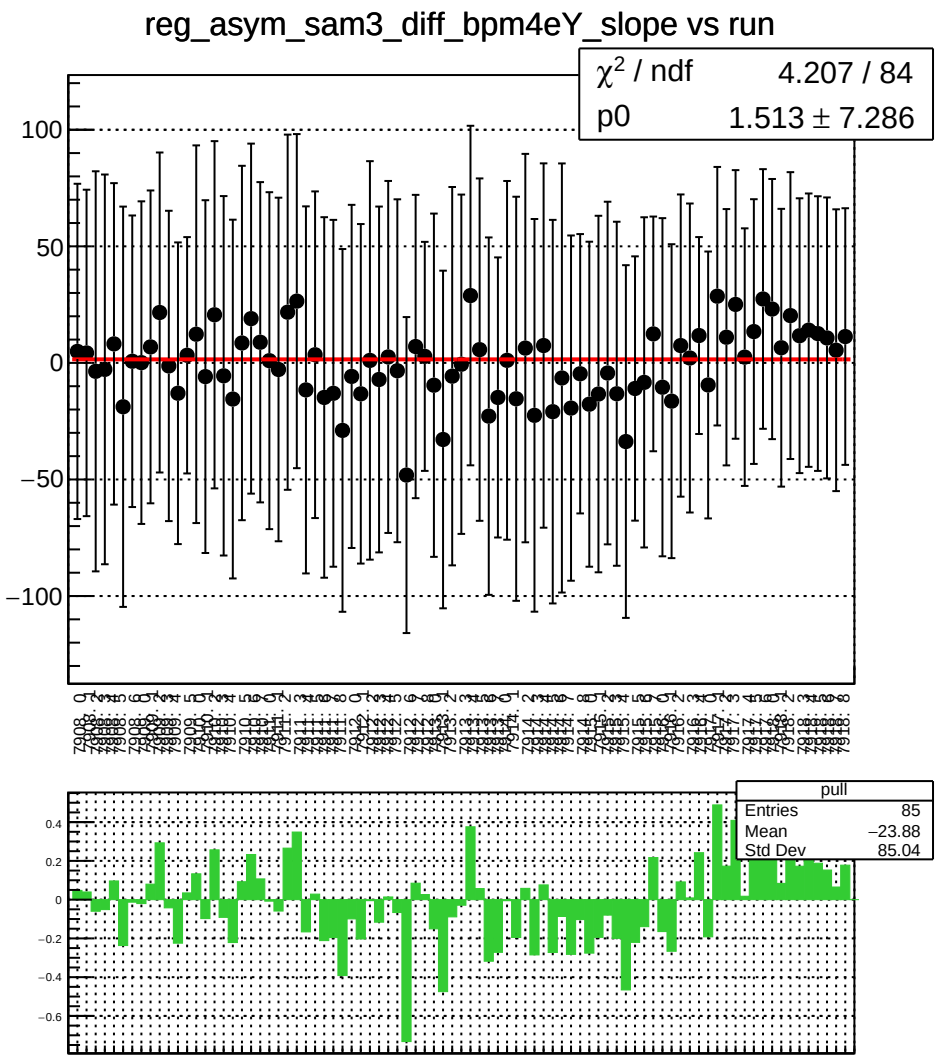

pull1D
Entries 85
Mean −0.1057
Std Dev 0.7921

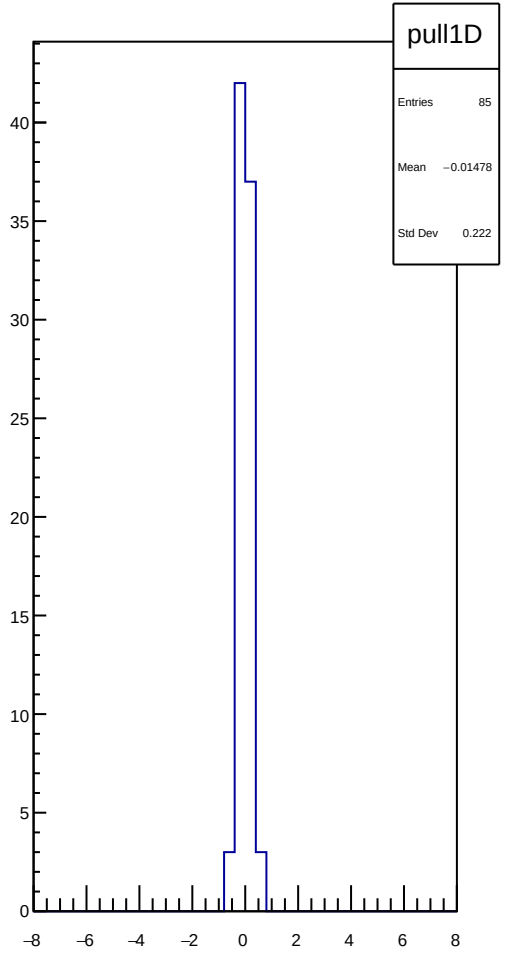

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.547 / 84
p0 18.85 ± 6.268
pull
Entries 85
Mean −48.81
Std Dev 103.9

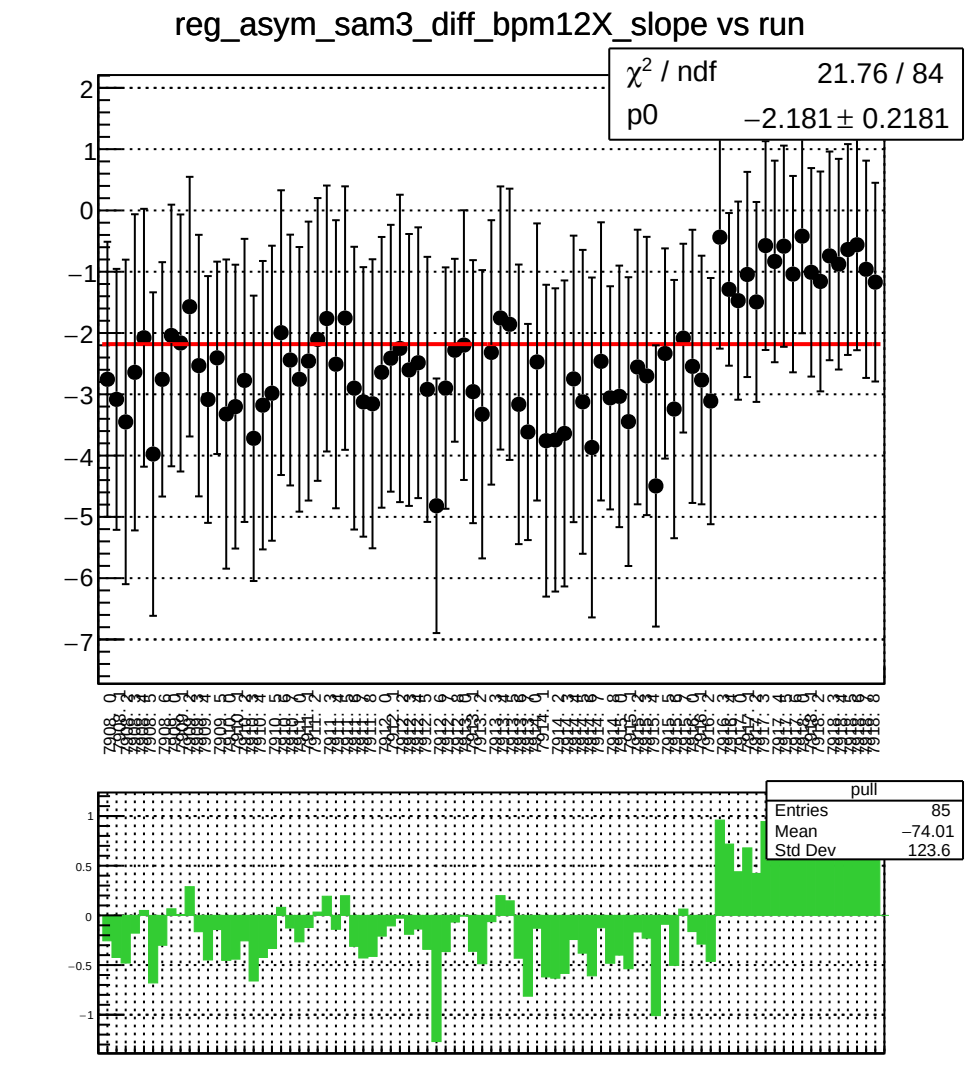

pull1D
Entries 85
Mean 0.01692
Std Dev 0.2307

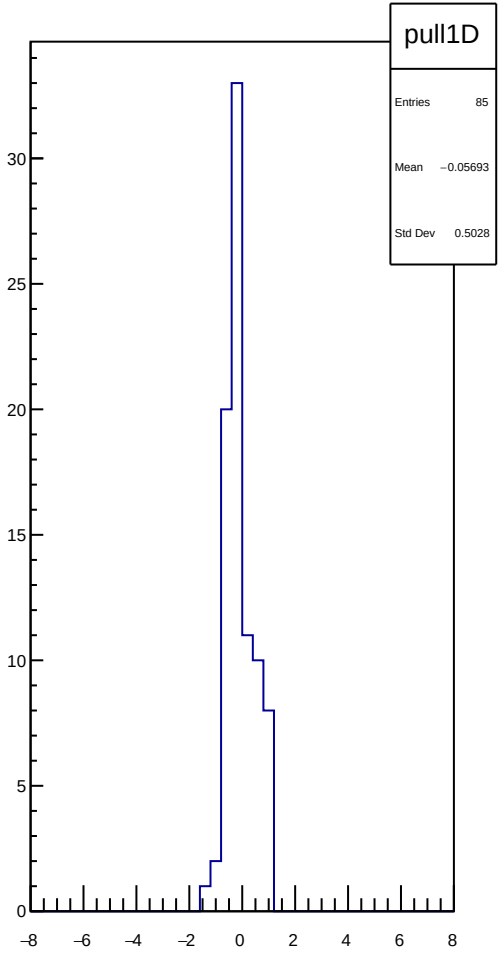

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 45.72 / 84
p0 14.62 ± 5.282
150
100
50
0
−50
−100
pull
Entries 85
Mean −97.18
Std Dev 147.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

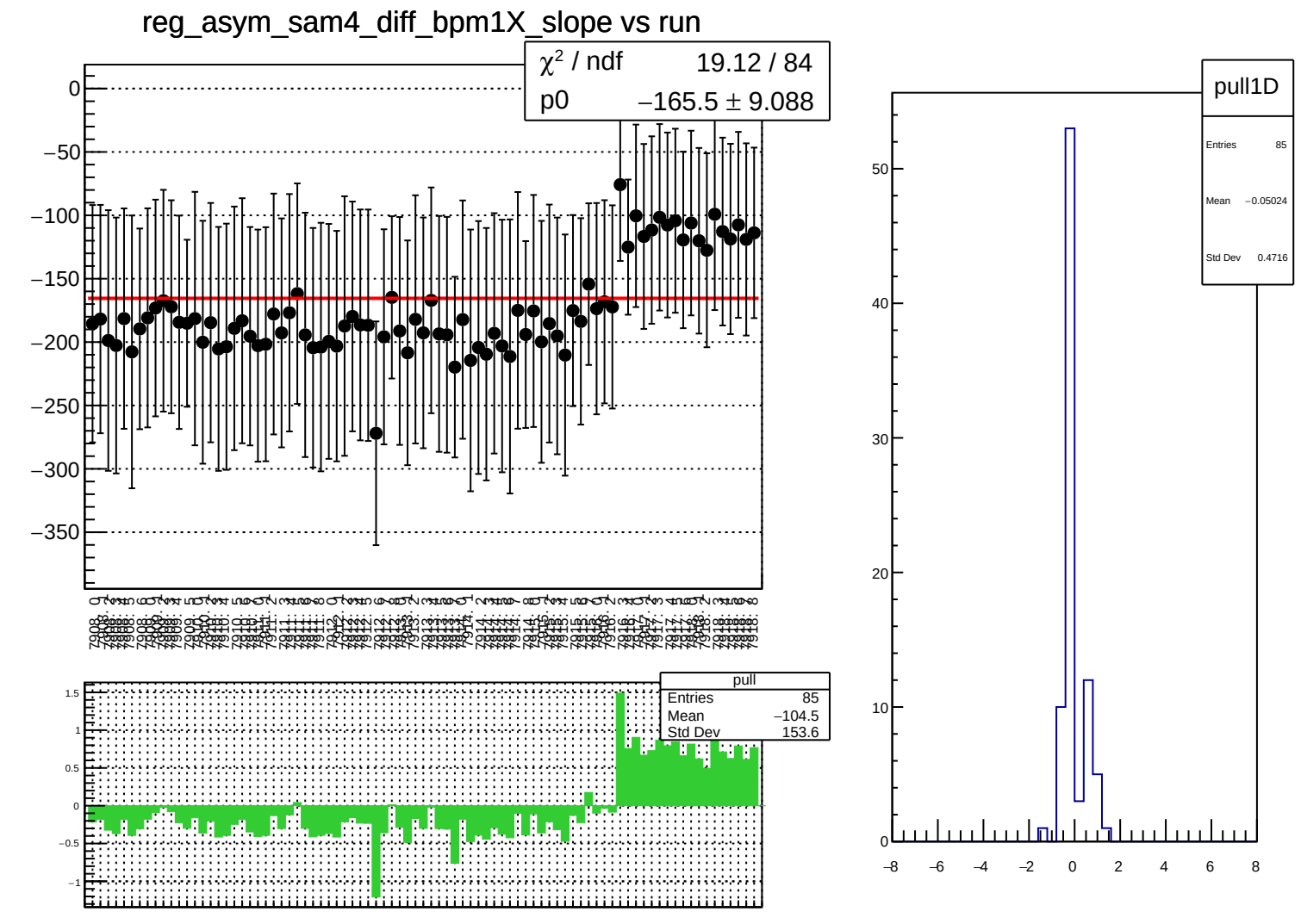

pull1D
Entries 85
Mean 0.07635
Std Dev 0.7294
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

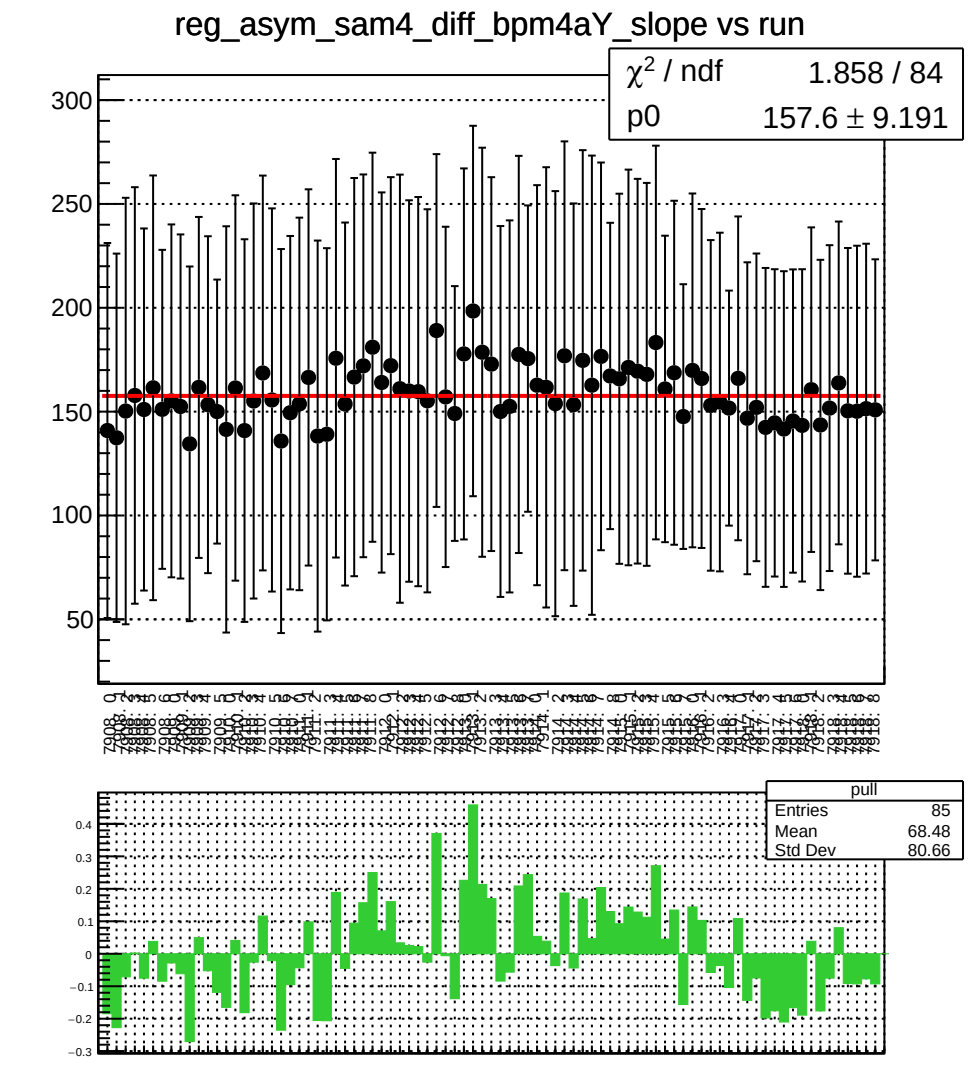

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.207 / 84
p0 1.513 ± 7.286
100
50
0
−50
−100
pull
Entries 85
Mean −23.88
Std Dev 85.04
0.4
0.2
0
−0.2
−0.4
−0.6

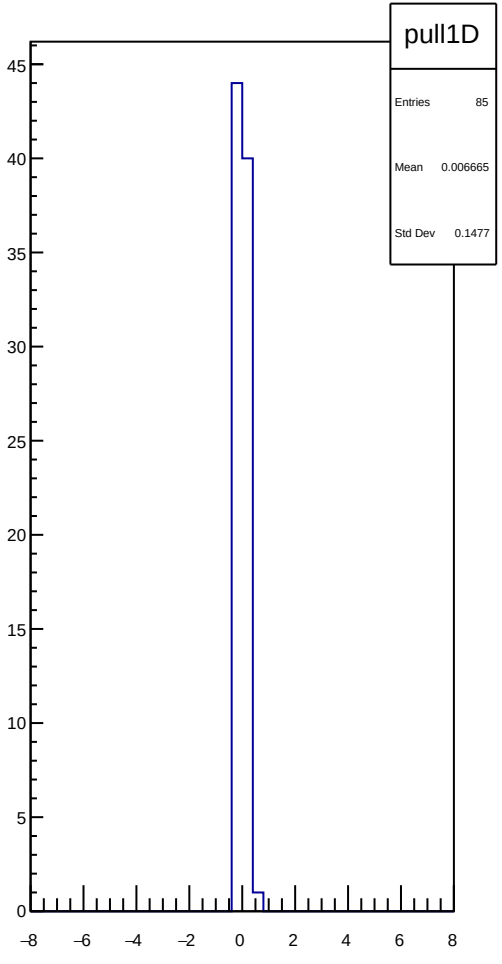

pull1D
Entries 85
Mean −0.01478
Std Dev 0.222
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

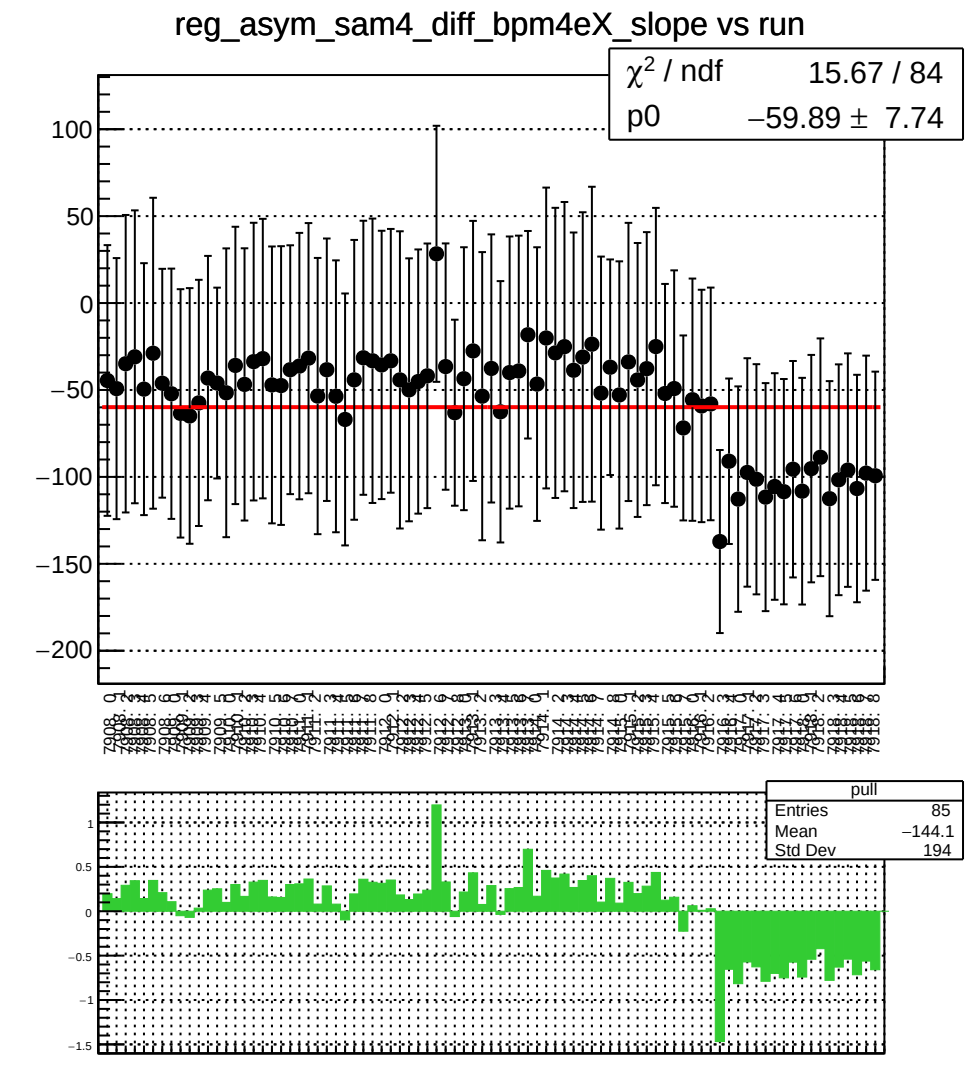

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 21.76 / 84
p0 −2.181 ± 0.2181
pull
Entries 85
Mean −74.01
Std Dev 123.6

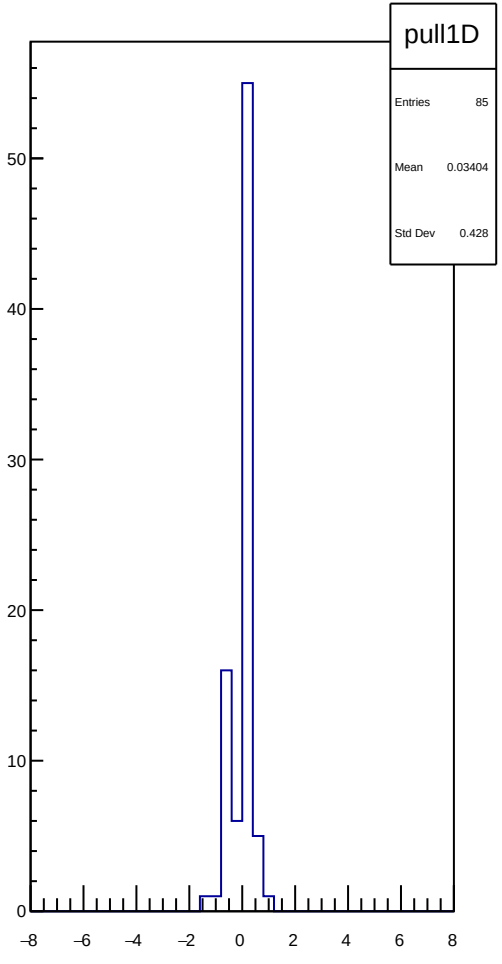

pull1D
Entries 85
Mean −0.05693
Std Dev 0.5028

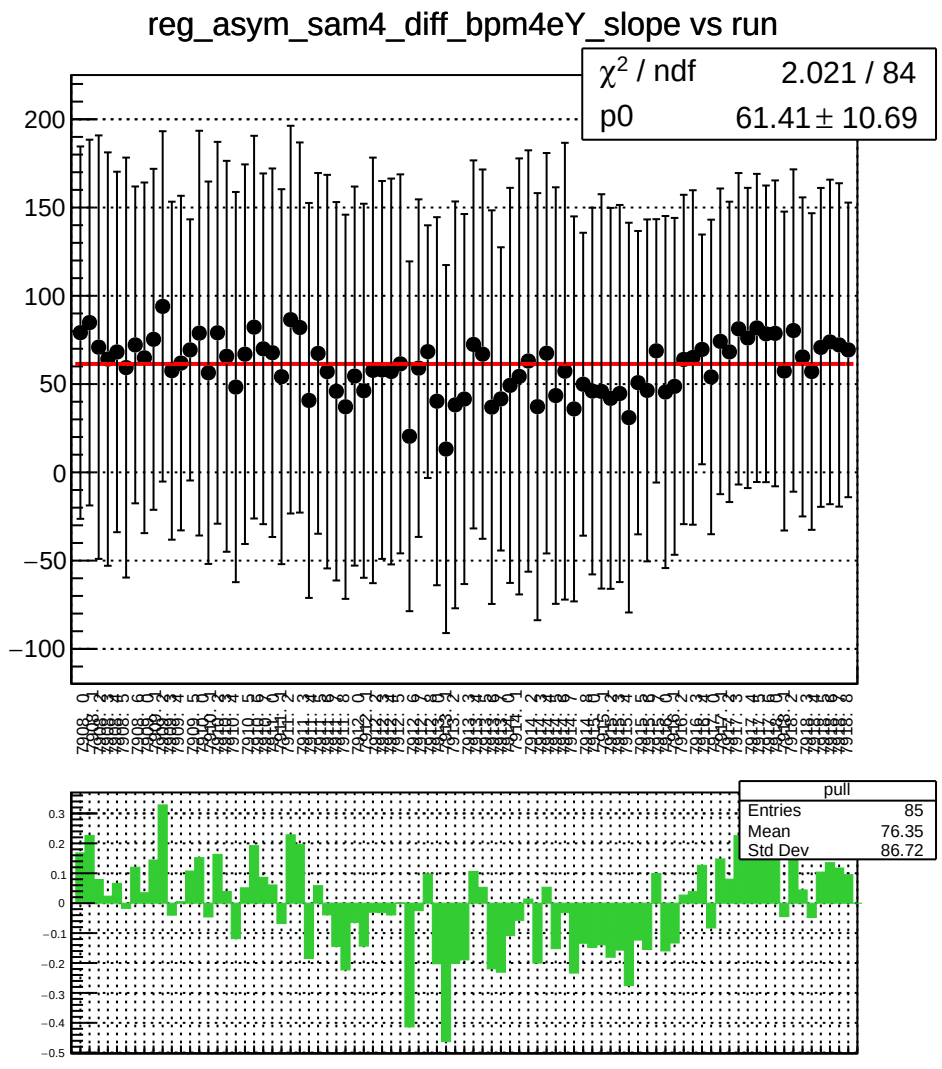

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 19.12 / 84
p0 −165.5 ± 9.088
pull
Entries 85
Mean −104.5
Std Dev 153.6
pull1D
Entries 85
Mean −0.05024
Std Dev 0.4716

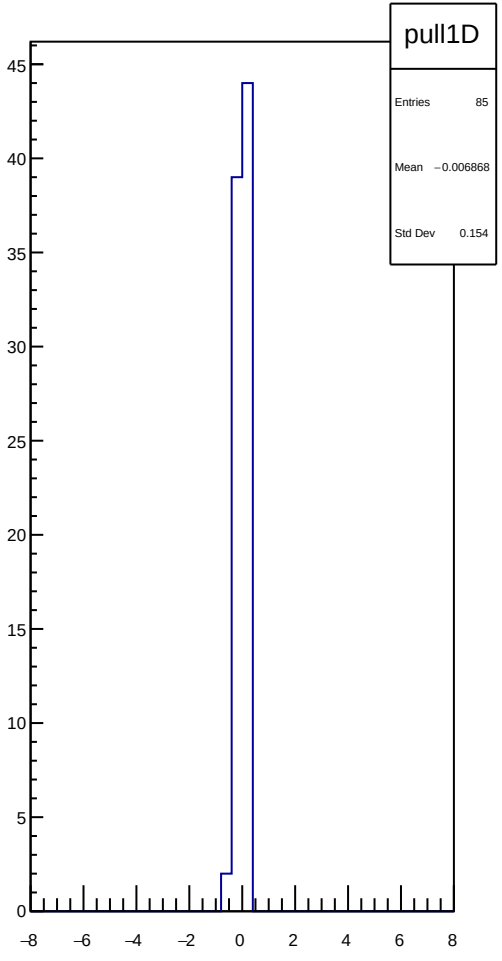

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.858 / 84
p0 157.6 ± 9.191
pull
Entries 85
Mean 68.48
Std Dev 80.66

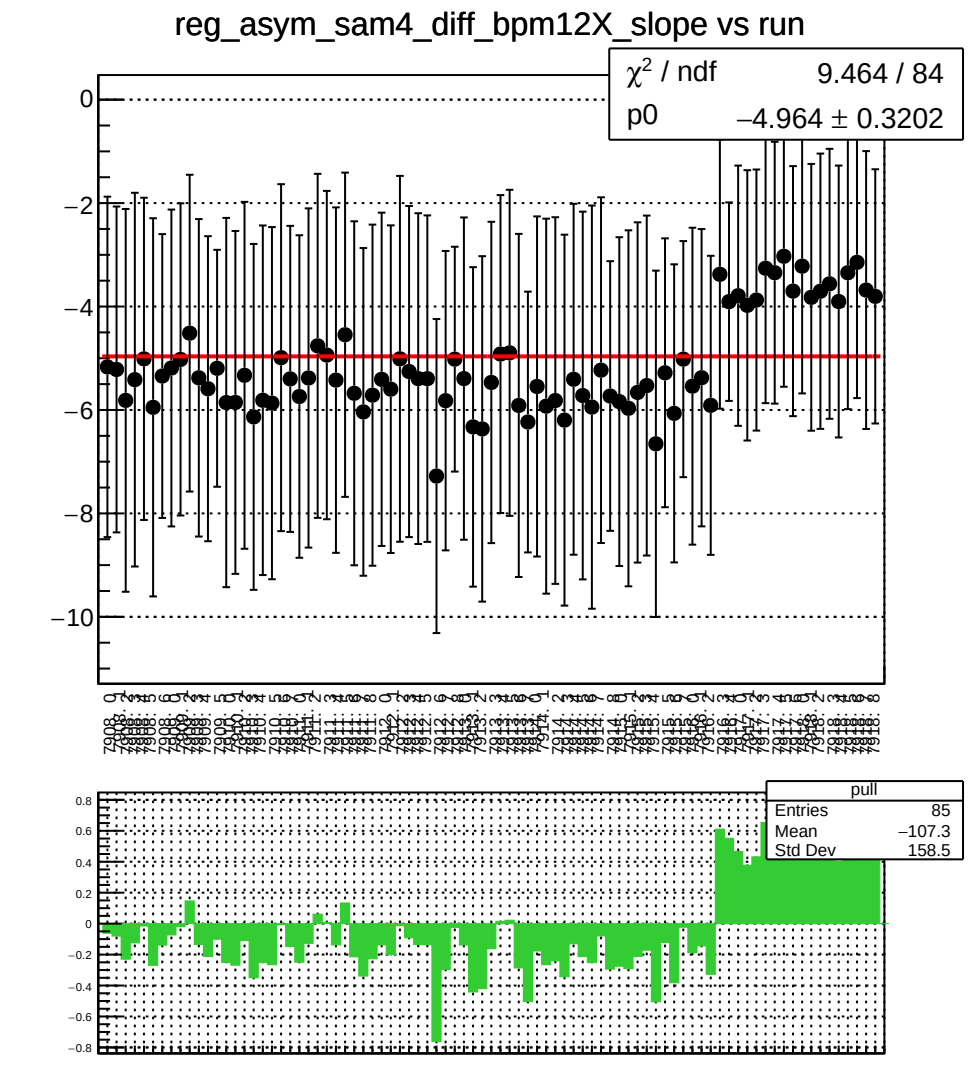

pull1D
Entries 85
Mean 0.006665
Std Dev 0.1477

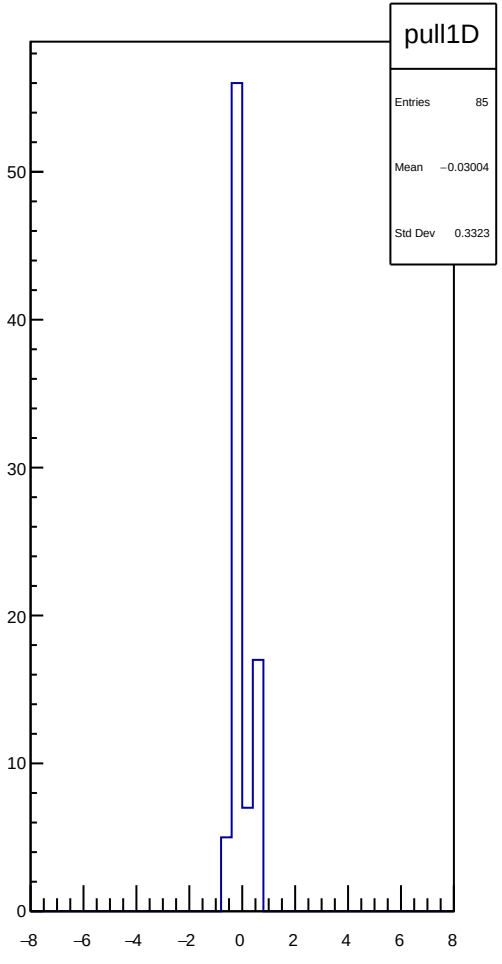

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 15.67 / 84
p0 −59.89 ± 7.74
pull
Entries 85
Mean −144.1
Std Dev 194

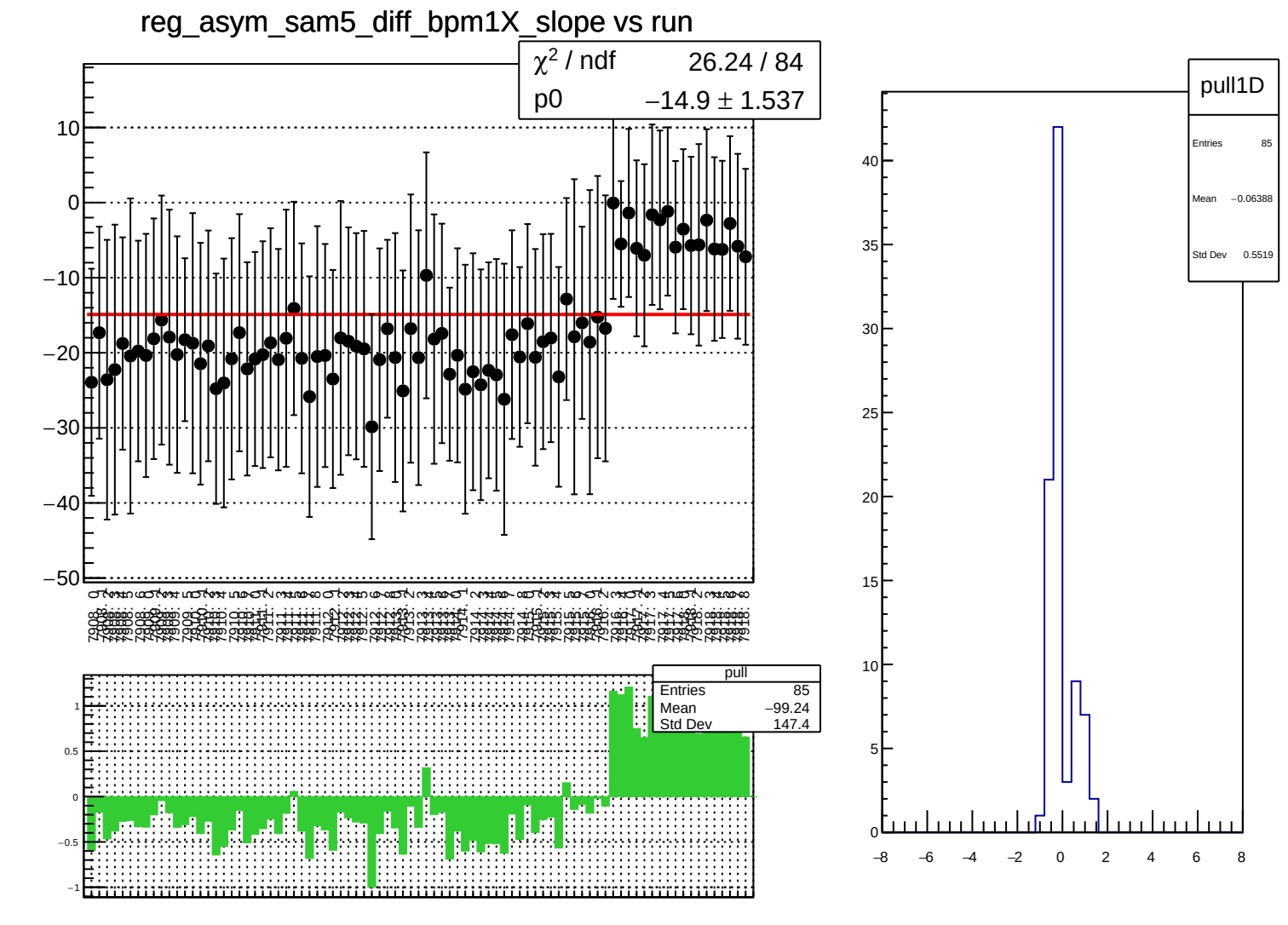

pull1D
Entries 85
Mean 0.03404
Std Dev 0.428

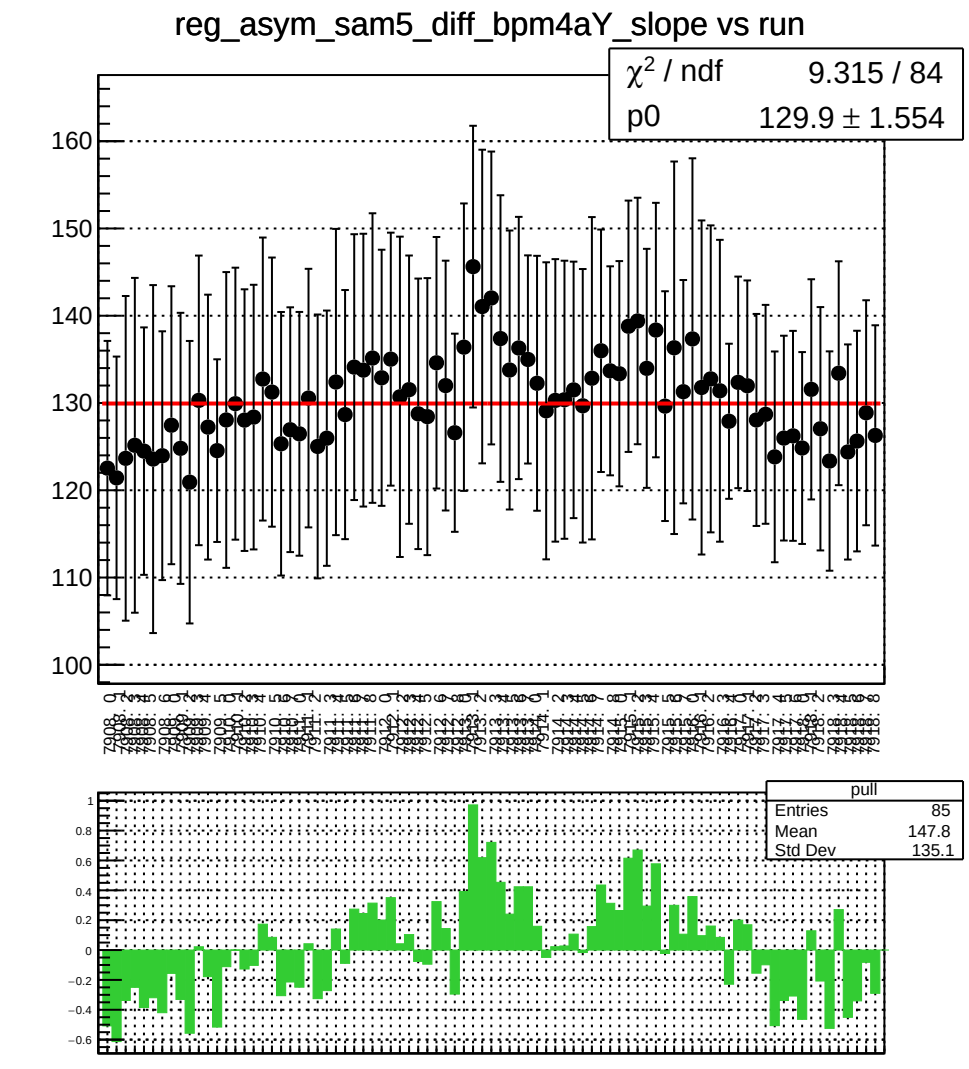

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.021 / 84
p0 61.41 ± 10.69
pull
Entries 85
Mean 76.35
Std Dev 86.72

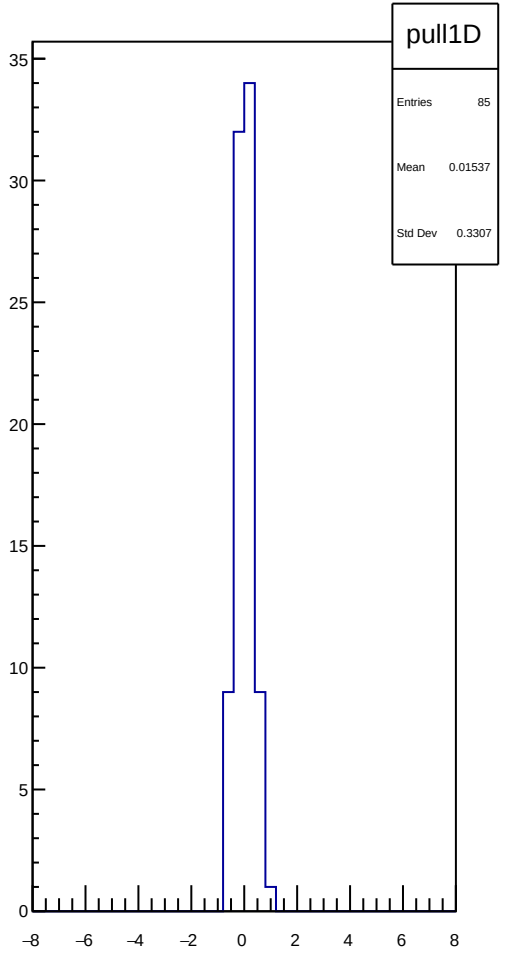

pull1D
Entries 85
Mean −0.006868
Std Dev 0.154

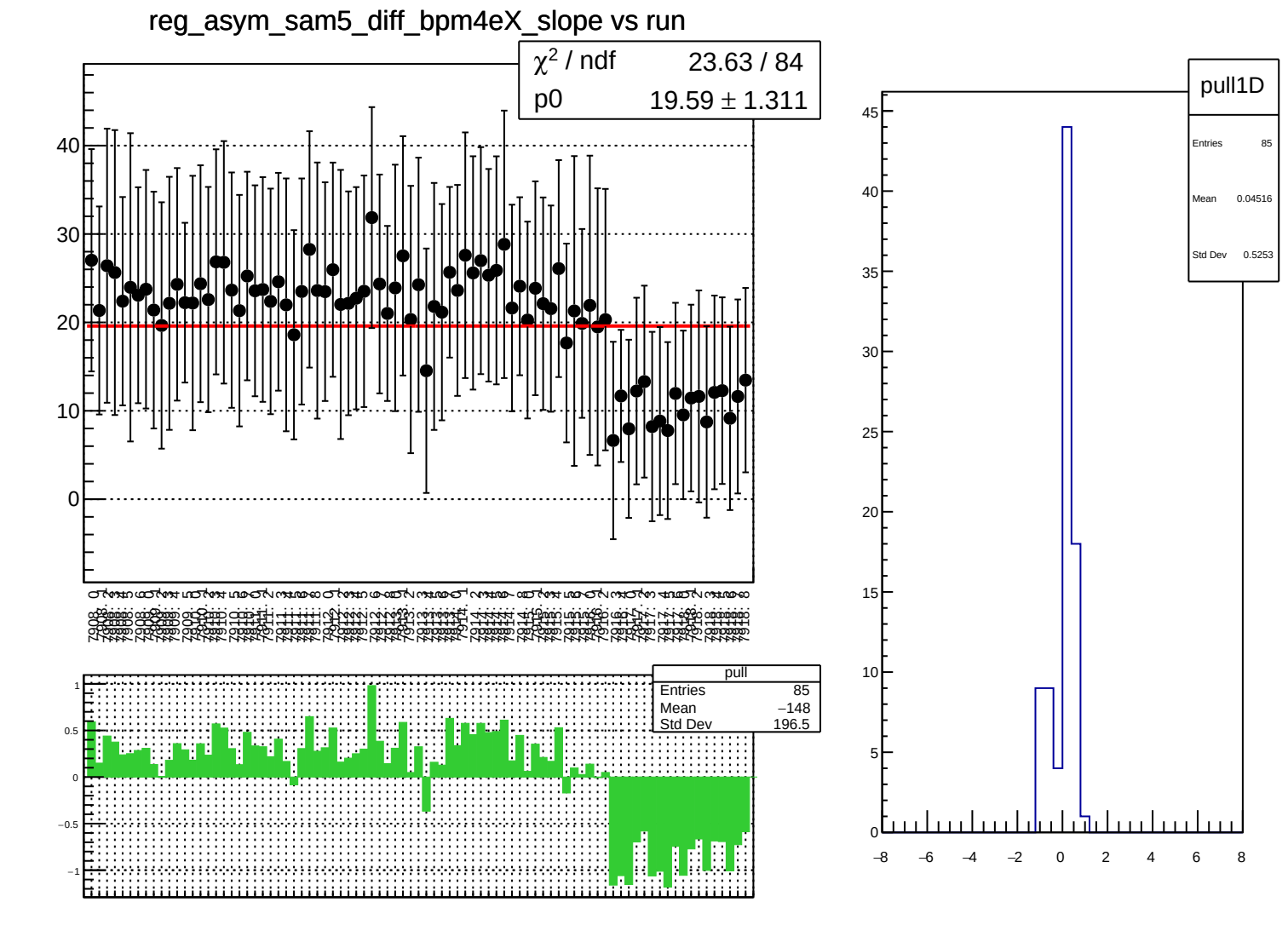

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 9.464 / 84
p0 −4.964 ± 0.3202
pull
Entries 85
Mean −107.3
Std Dev 158.5

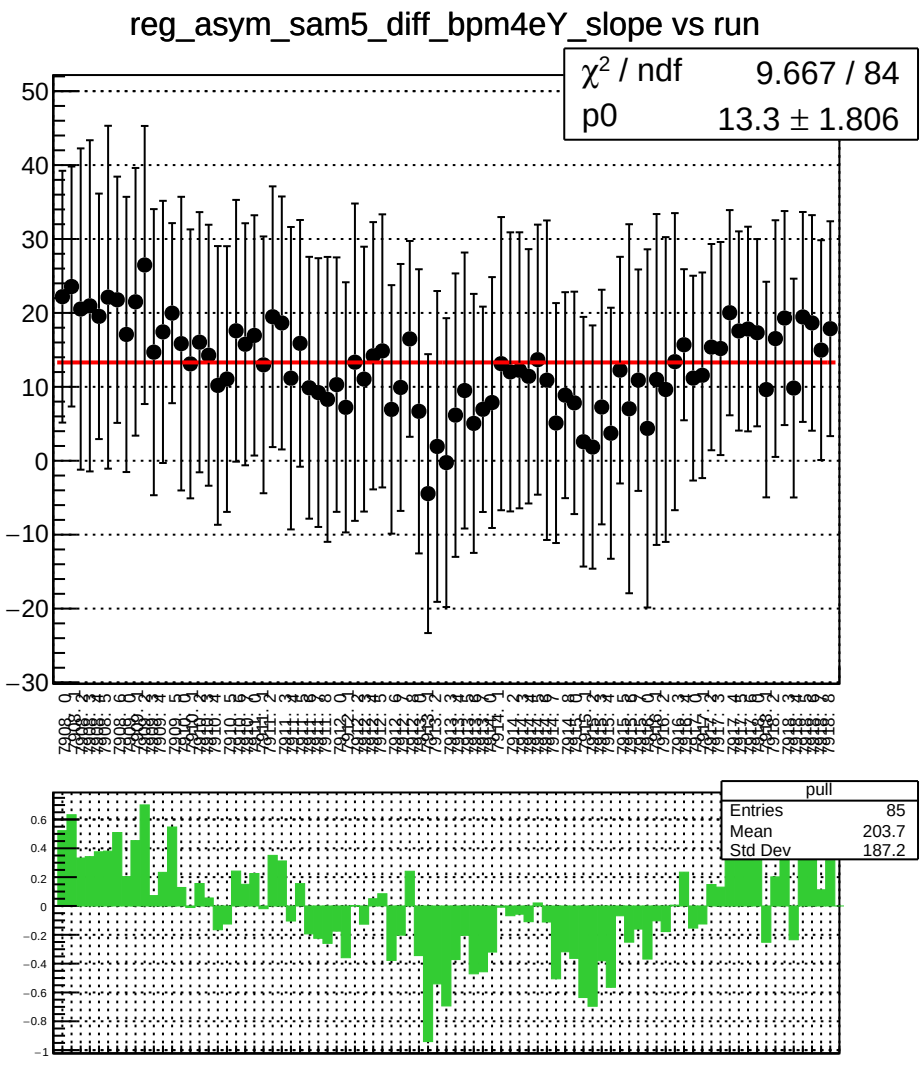

pull1D
Entries 85
Mean −0.03004
Std Dev 0.3323

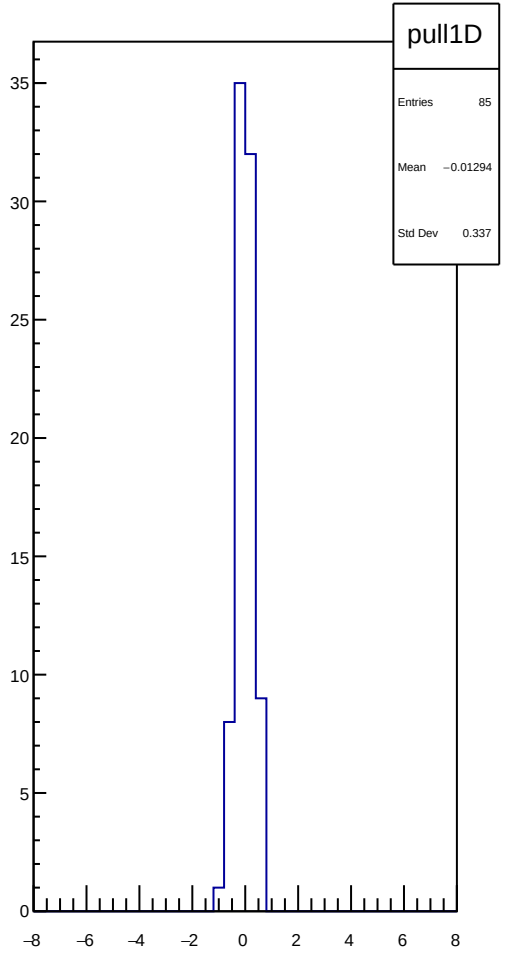

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 26.24 / 84
p0 −14.9 ± 1.537
pull
Entries 85
Mean −99.24
Std Dev 147.4
pull1D
Entries 85
Mean −0.06388
Std Dev 0.5519

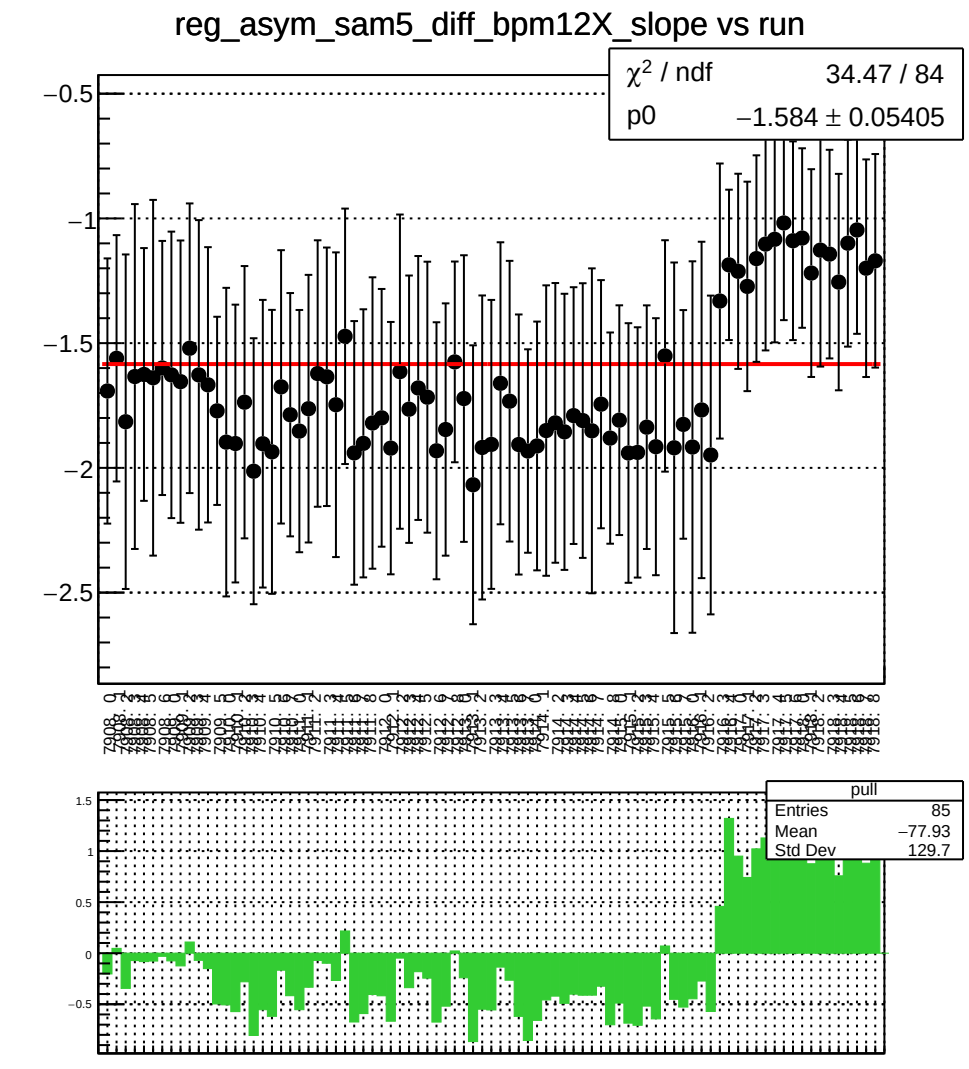

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 9.315 / 84
p0 129.9 ± 1.554
160
150
140
130
120
110
100
pull
Entries 85
Mean 147.8
Std Dev 135.1
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

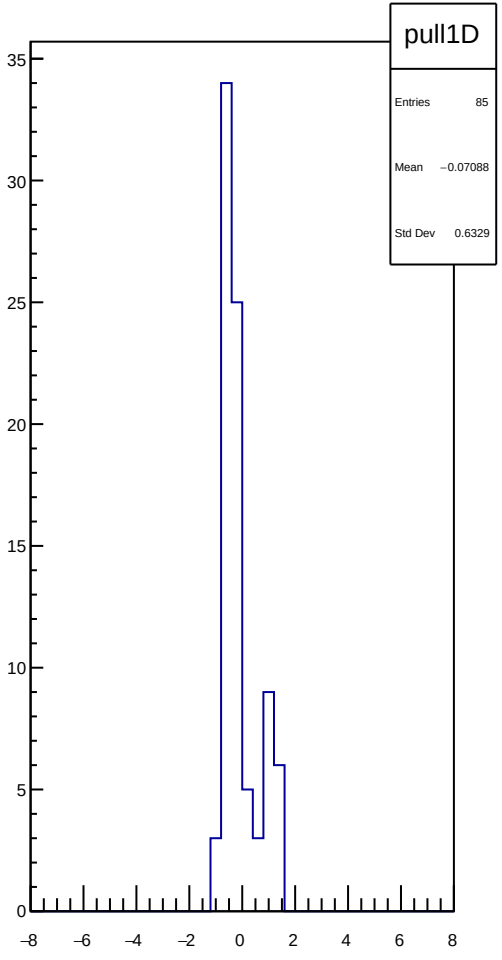

pull1D
Entries 85
Mean 0.01537
Std Dev 0.3307
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

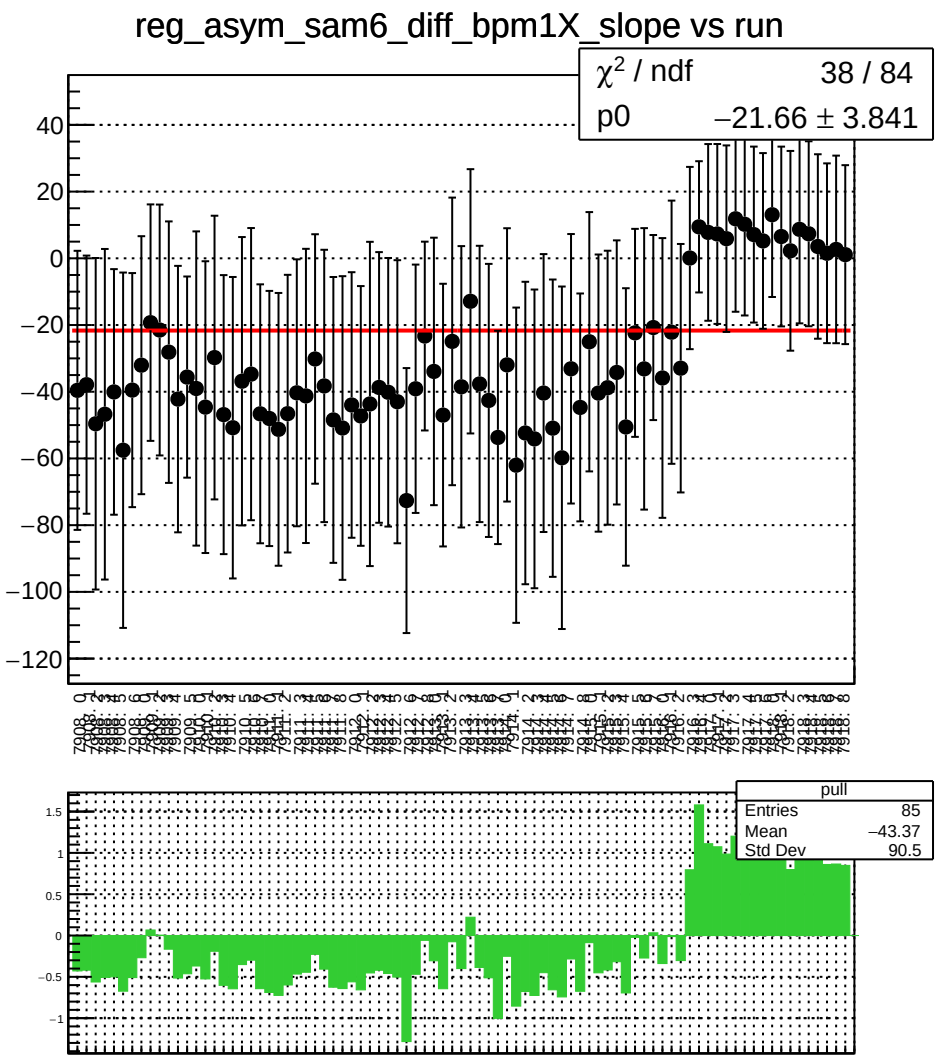

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 23.63 / 84
p0 19.59 ± 1.311
pull
Entries 85
Mean −148
Std Dev 196.5
pull1D
Entries 85
Mean 0.04516
Std Dev 0.5253

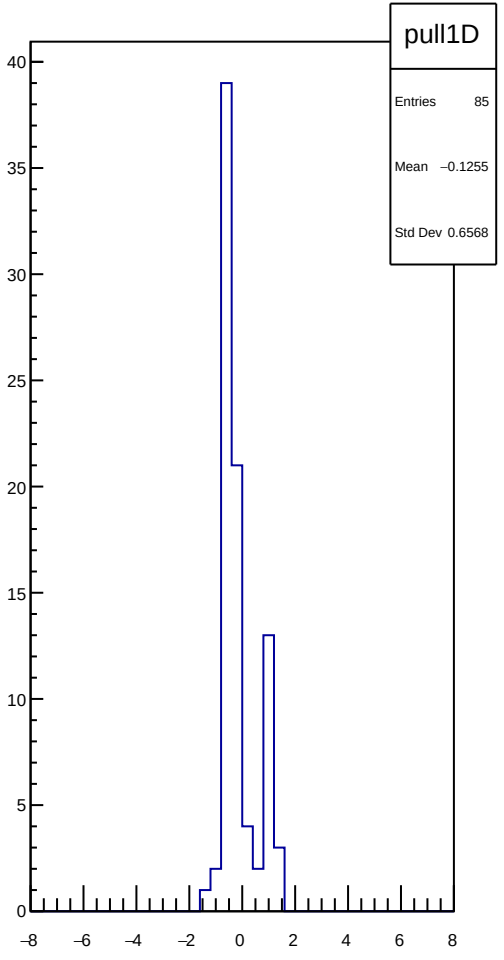

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 9.667 / 84
p0 13.3 ± 1.806
pull
Entries 85
Mean 203.7
Std Dev 187.2

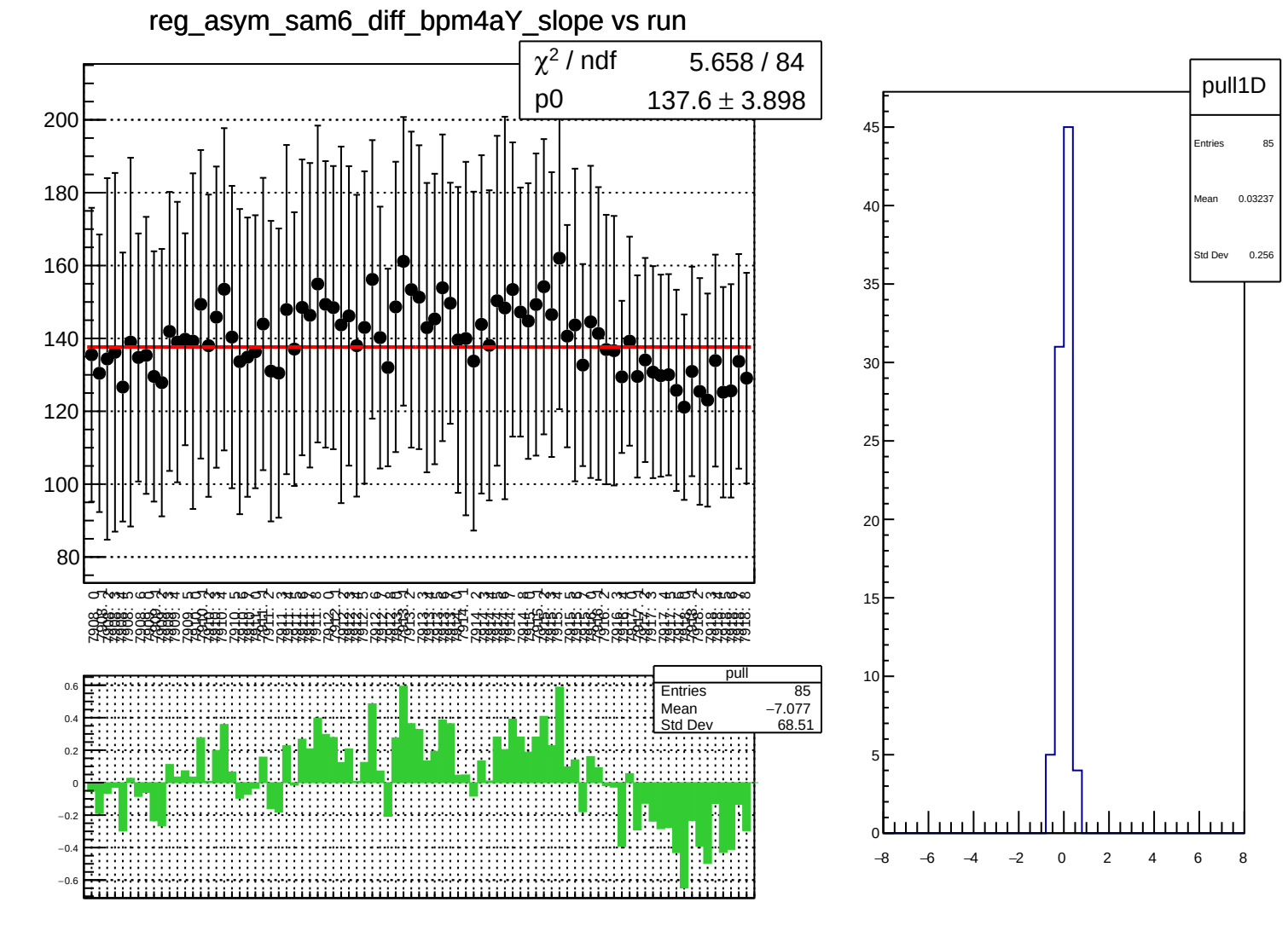

pull1D
Entries 85
Mean −0.01294
Std Dev 0.337

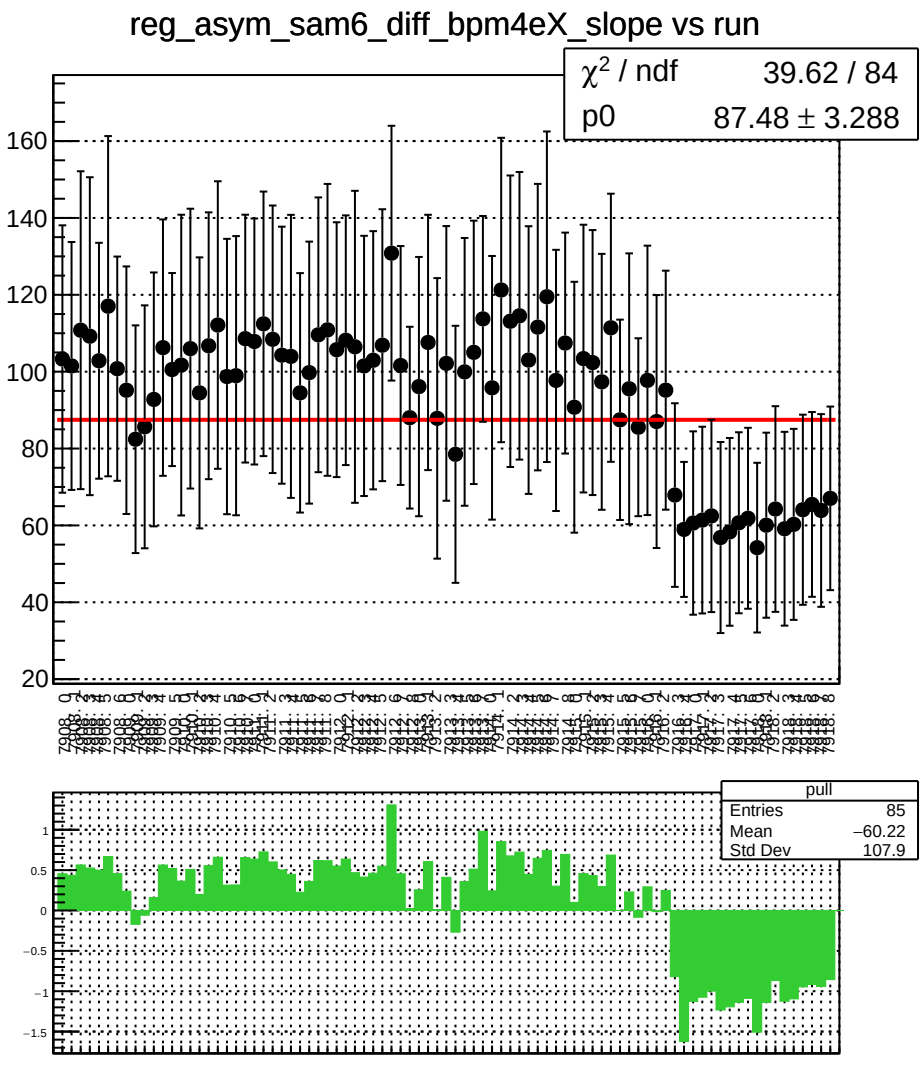

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 34.47 / 84
p0 −1.584 ± 0.05405
pull
Entries 85
Mean −77.93
Std Dev 129.7

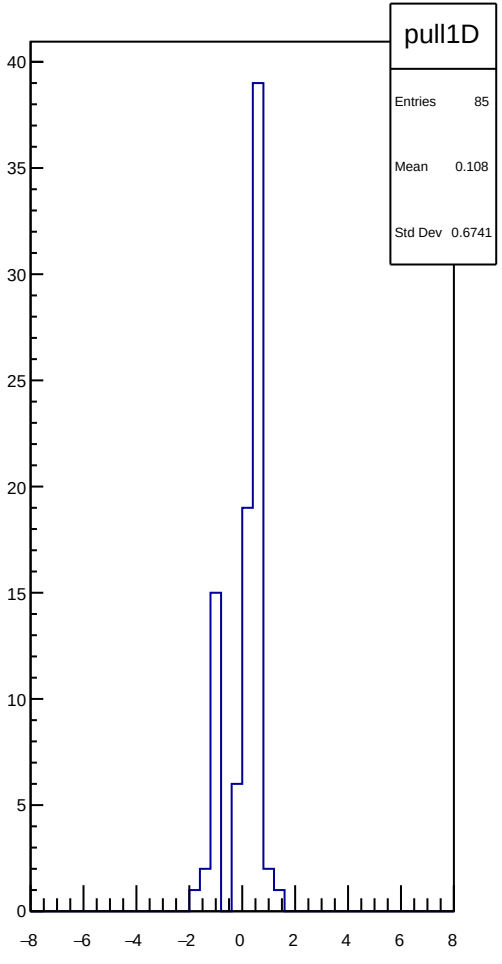

pull1D
Entries 85
Mean −0.07088
Std Dev 0.6329

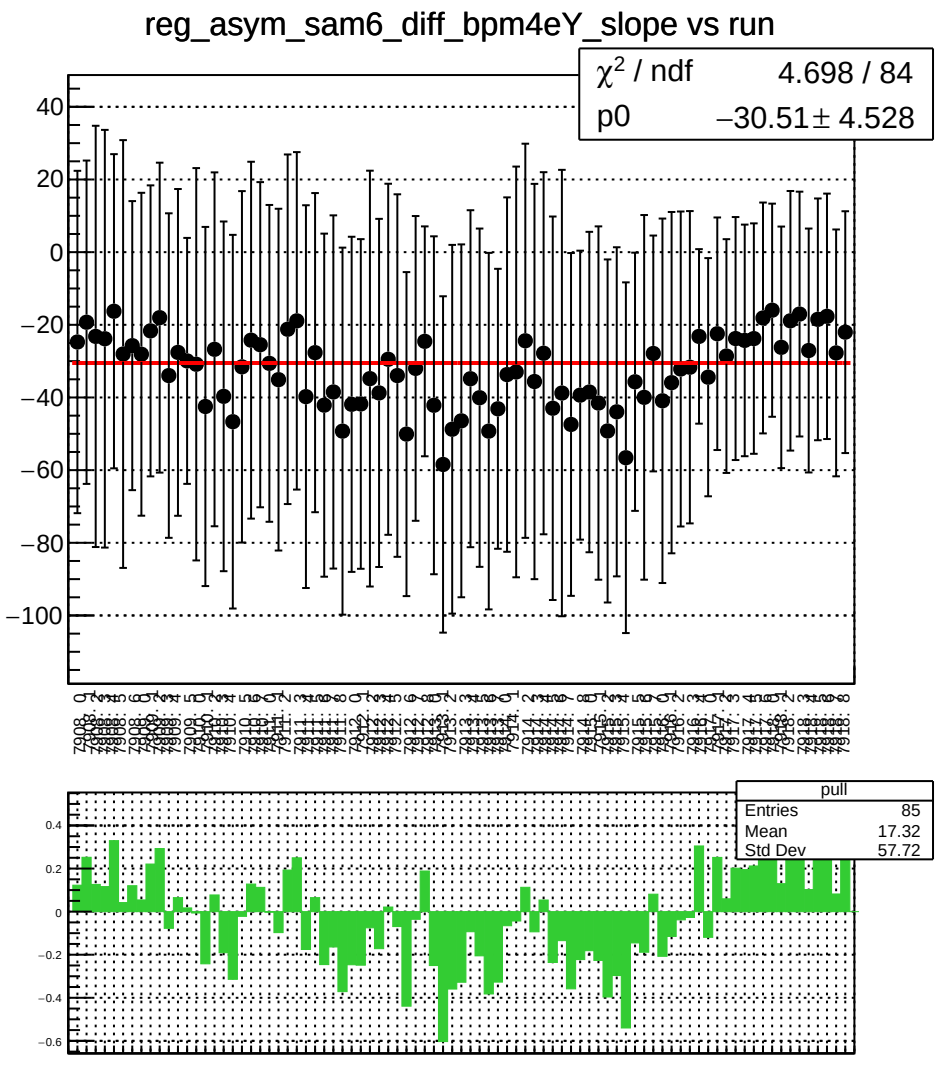

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 38 / 84
p0 −21.66 ± 3.841
pull
Entries 85
Mean −43.37
Std Dev 90.5

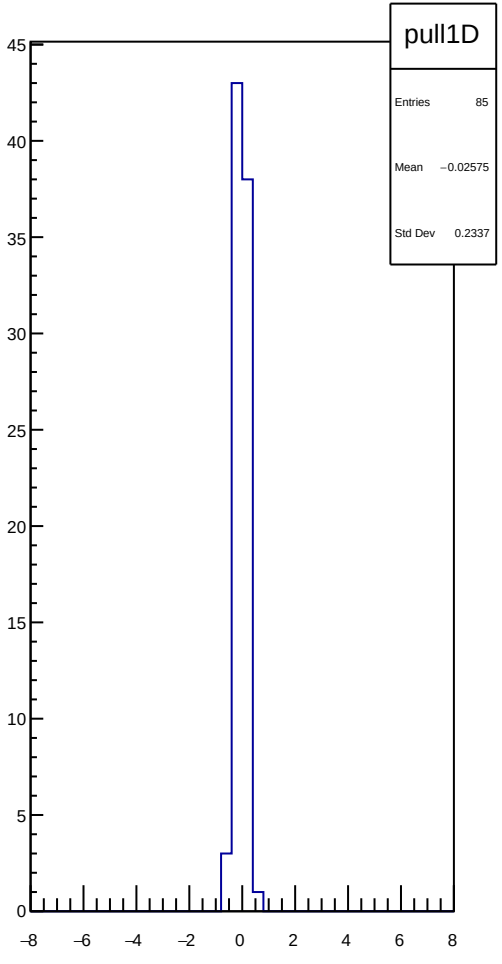

pull1D
Entries 85
Mean −0.1255
Std Dev 0.6568

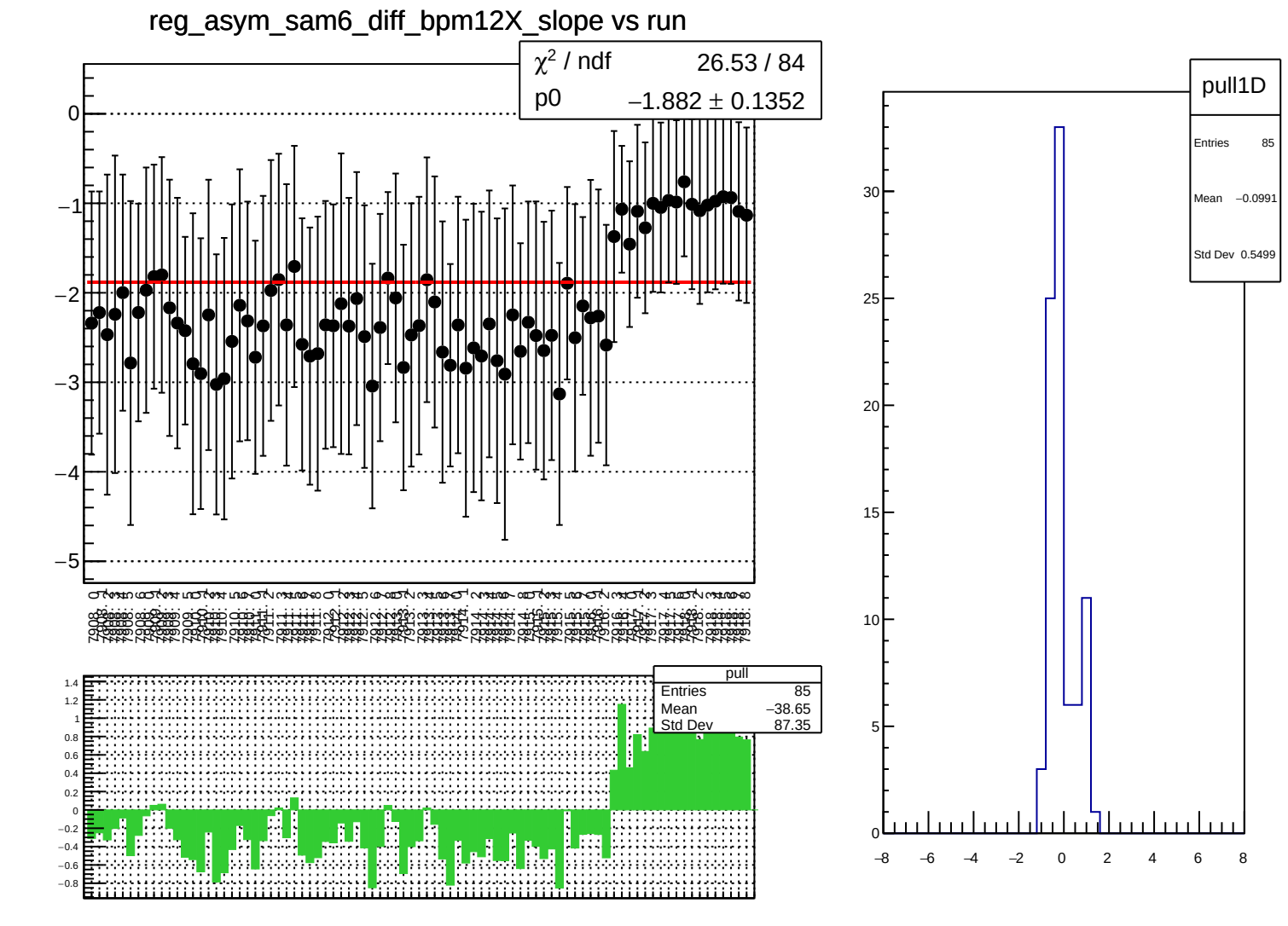

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 5.658 / 84
p0 137.6 ± 3.898
pull
Entries 85
Mean −7.077
Std Dev 68.51
pull1D
Entries 85
Mean 0.03237
Std Dev 0.256

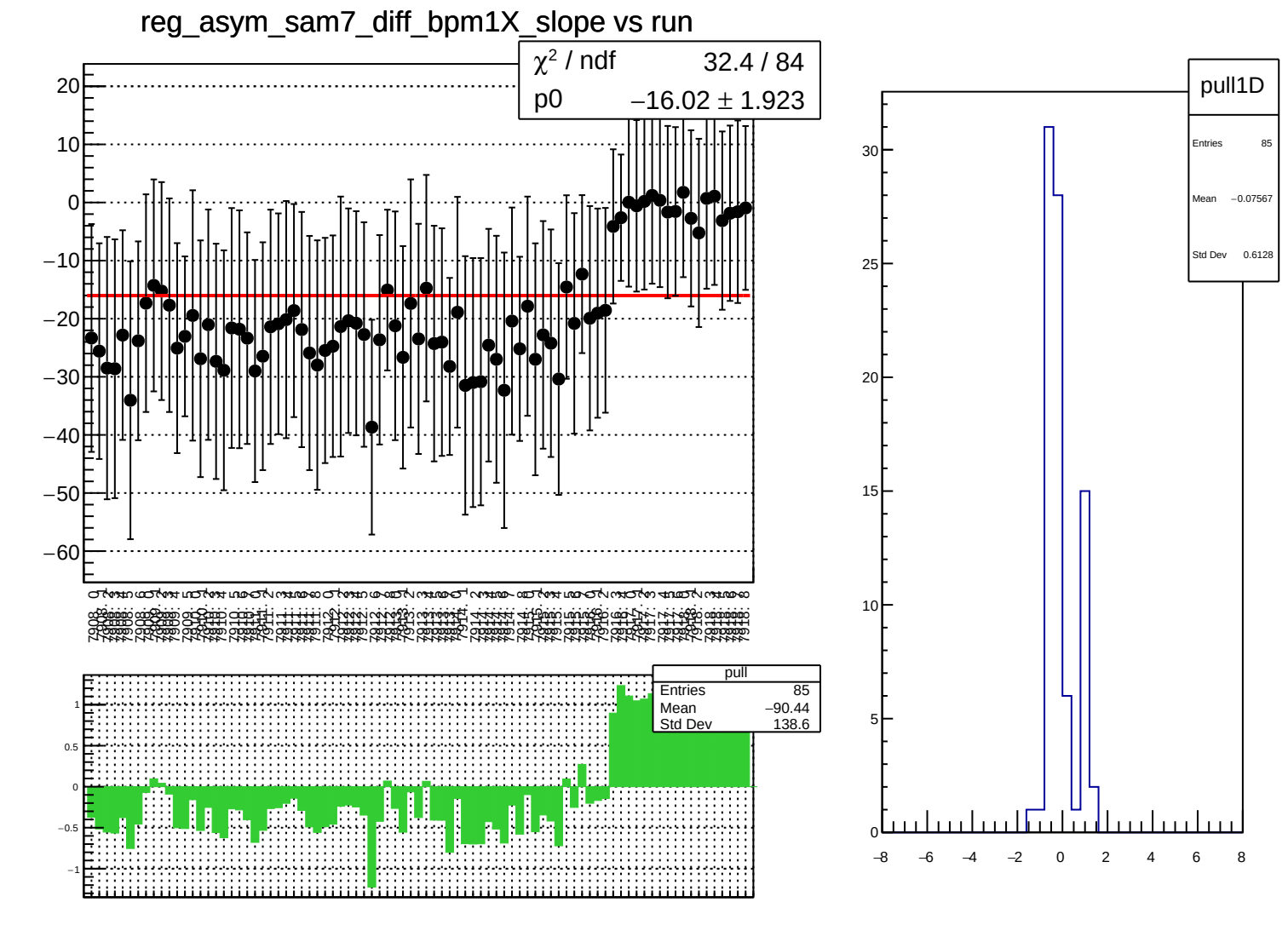

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 39.62 / 84
p0 87.48 ± 3.288
pull
Entries 85
Mean −60.22
Std Dev 107.9

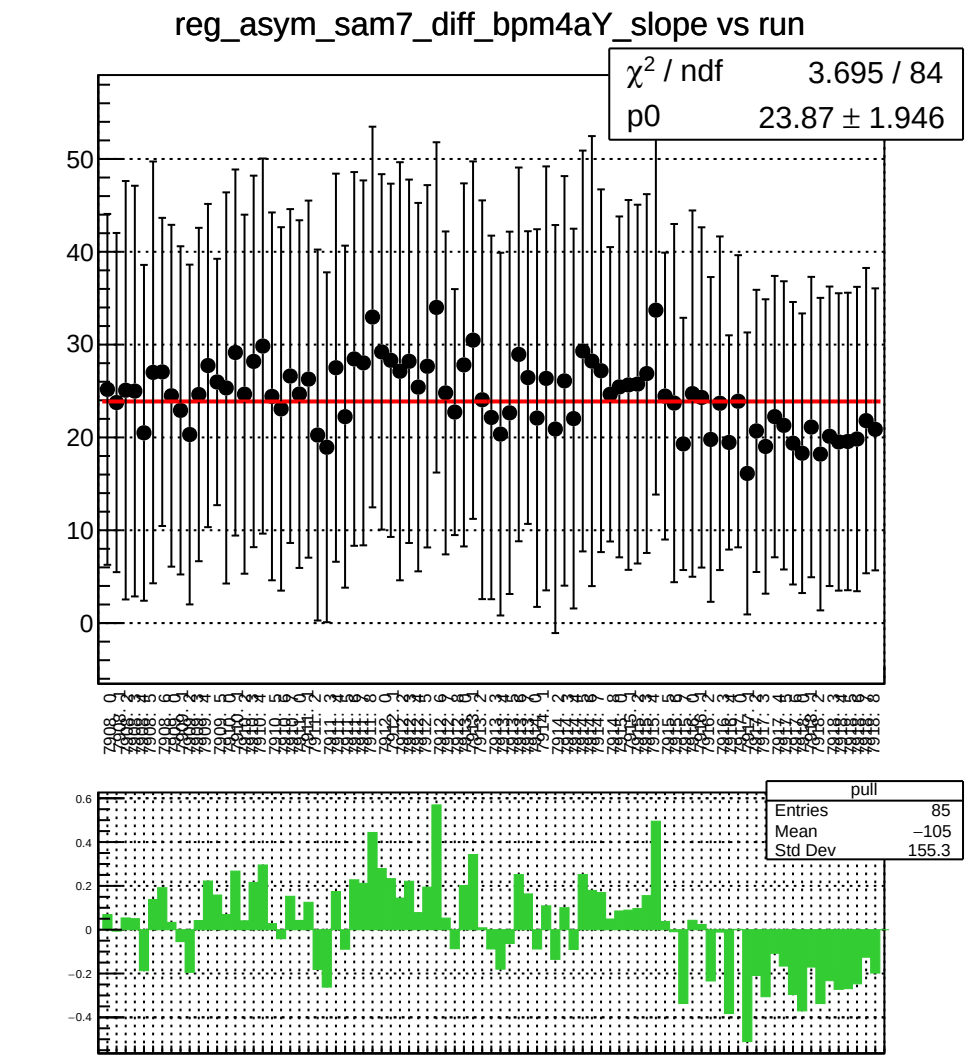

pull1D
Entries 85
Mean 0.108
Std Dev 0.6741

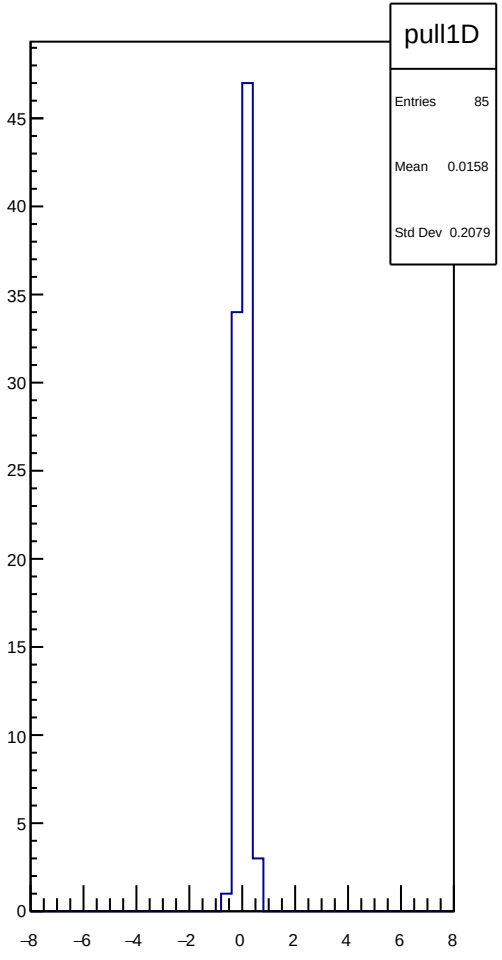

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 4.698 / 84
p0 −30.51 ± 4.528
pull
Entries 85
Mean 17.32
Std Dev 57.72

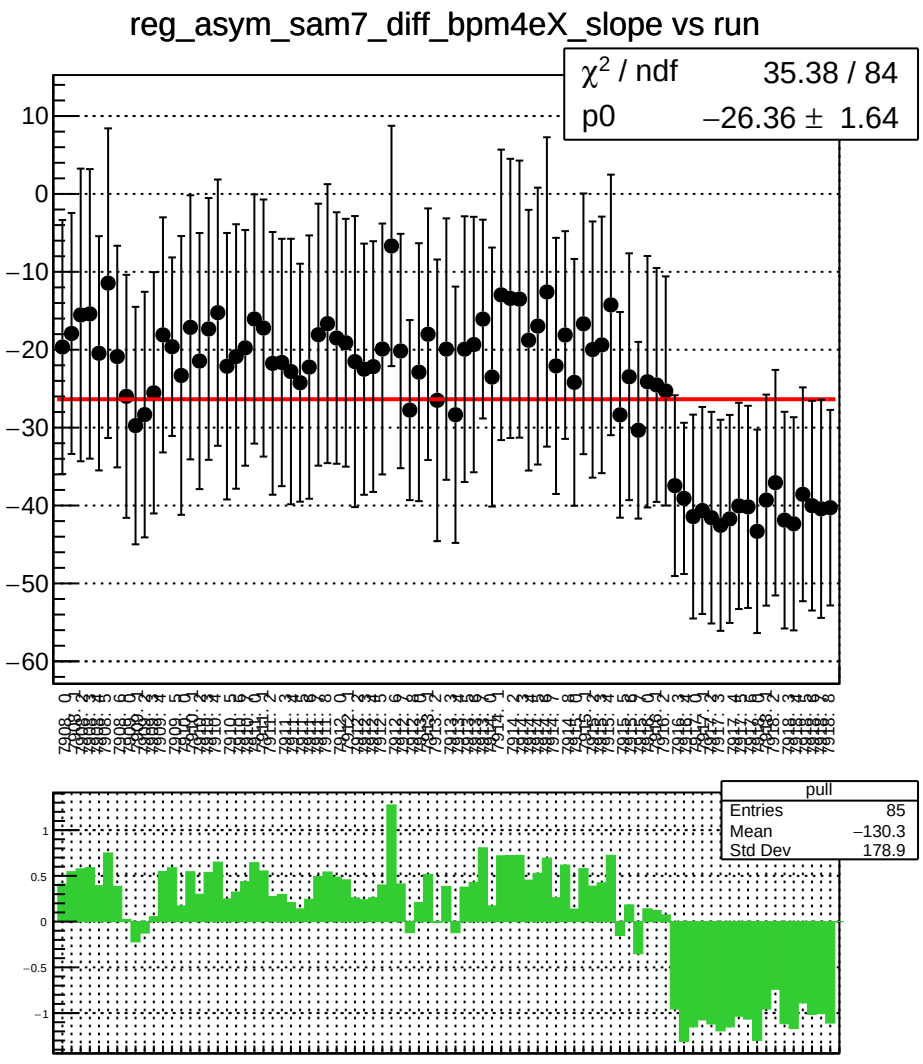

pull1D
Entries 85
Mean −0.02575
Std Dev 0.2337

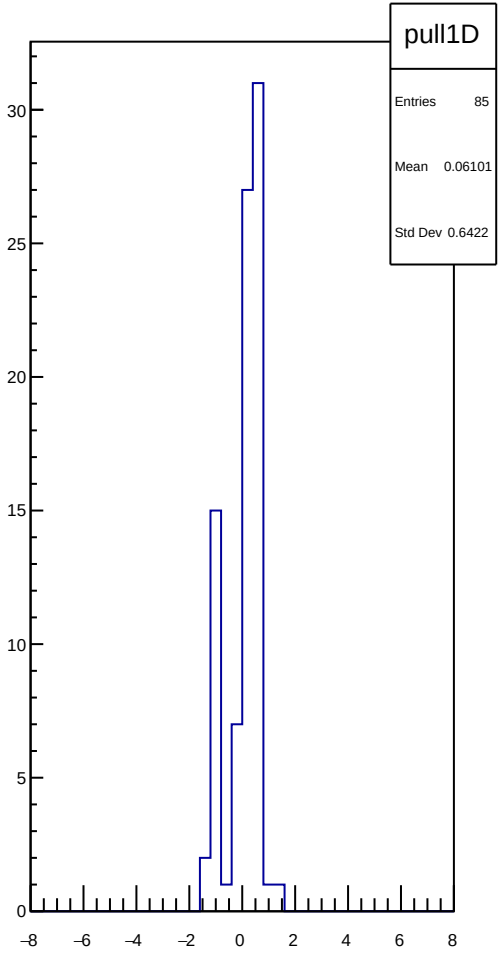

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 26.53 / 84
p0 −1.882 ± 0.1352
pull
Entries 85
Mean −38.65
Std Dev 87.35
pull1D
Entries 85
Mean −0.0991
Std Dev 0.5499

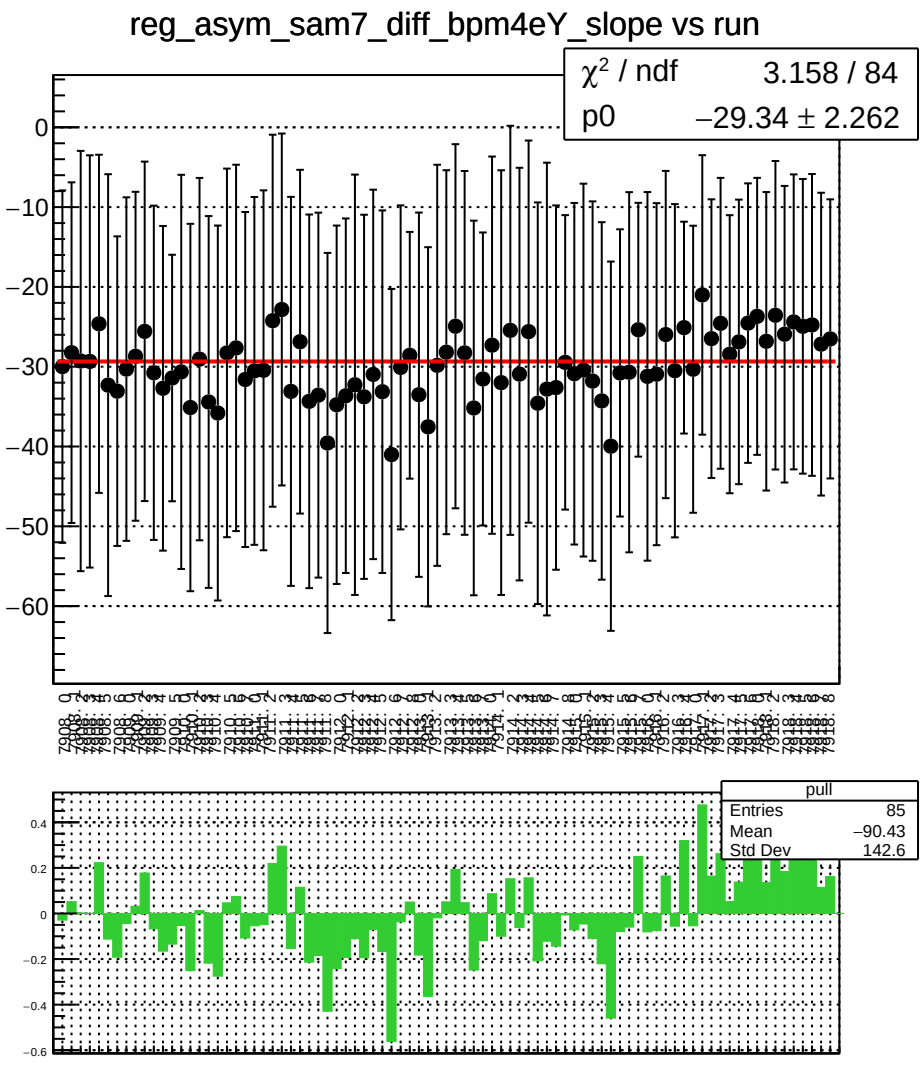

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 32.4 / 84
p0 −16.02 ± 1.923
pull
Entries 85
Mean −90.44
Std Dev 138.6
pull1D
Entries 85
Mean −0.07567
Std Dev 0.6128

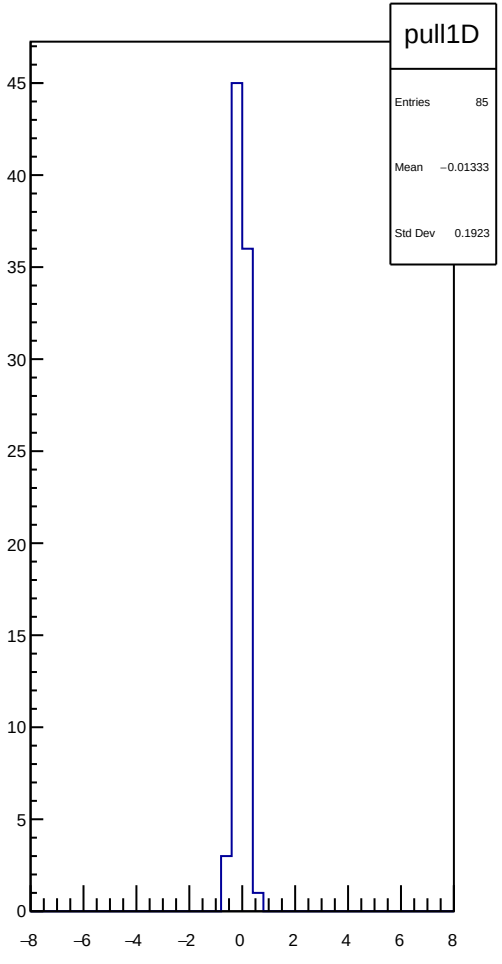

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.695 / 84
p0 23.87 ± 1.946
pull
Entries 85
Mean −105
Std Dev 155.3

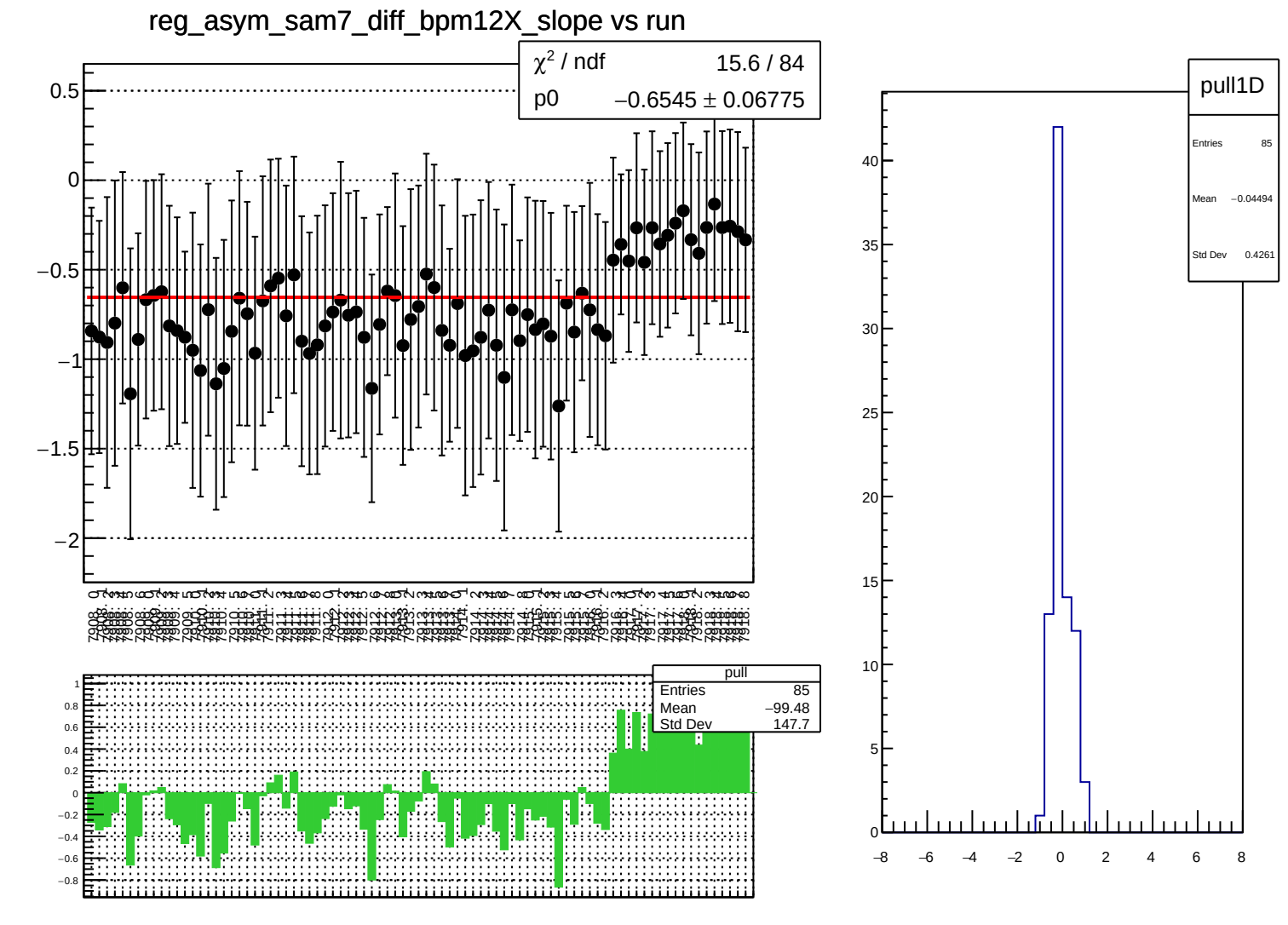

pull1D
Entries 85
Mean 0.0158
Std Dev 0.2079

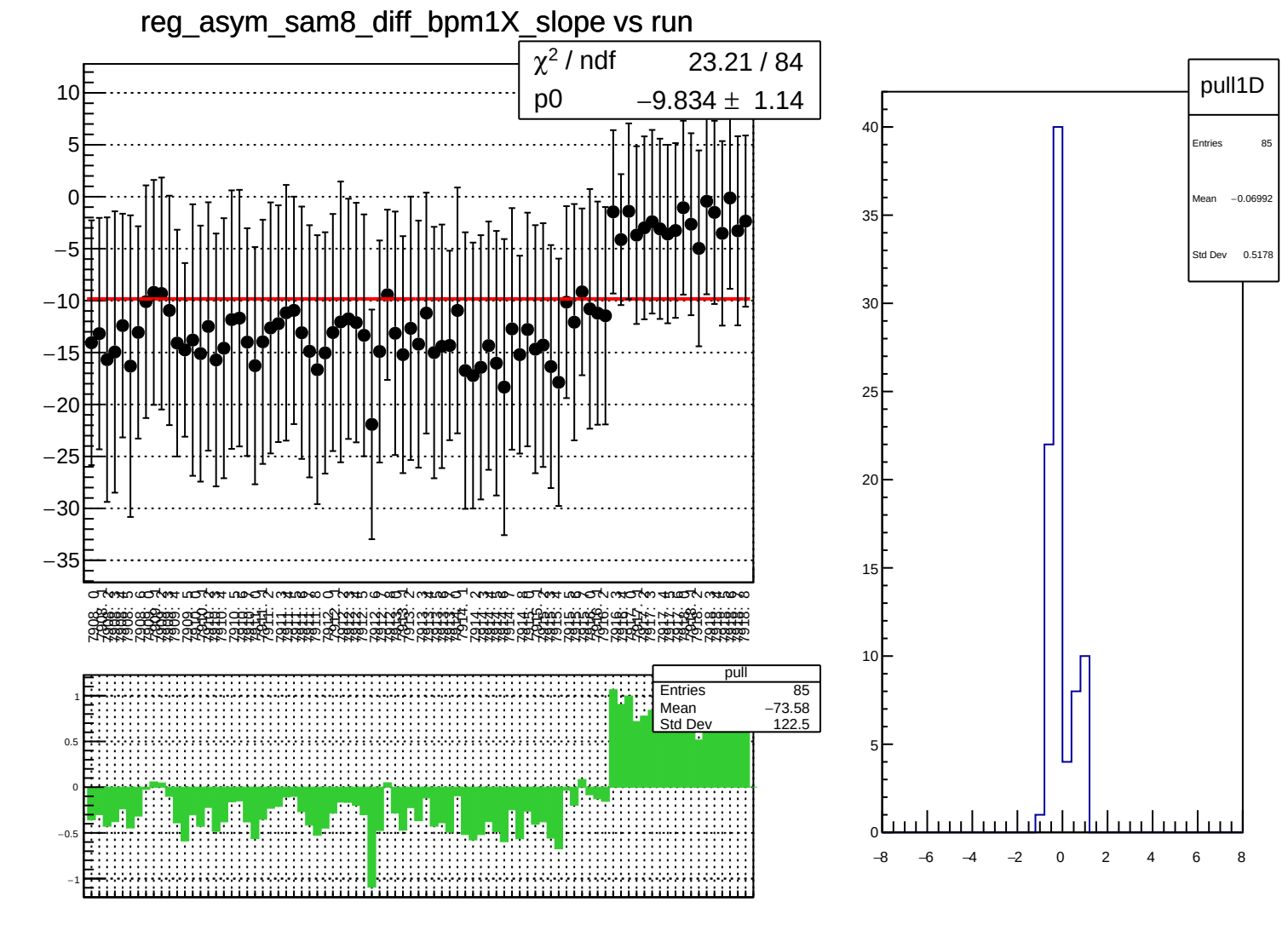

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 35.38 / 84
p0 −26.36 ± 1.64
pull
Entries 85
Mean −130.3
Std Dev 178.9

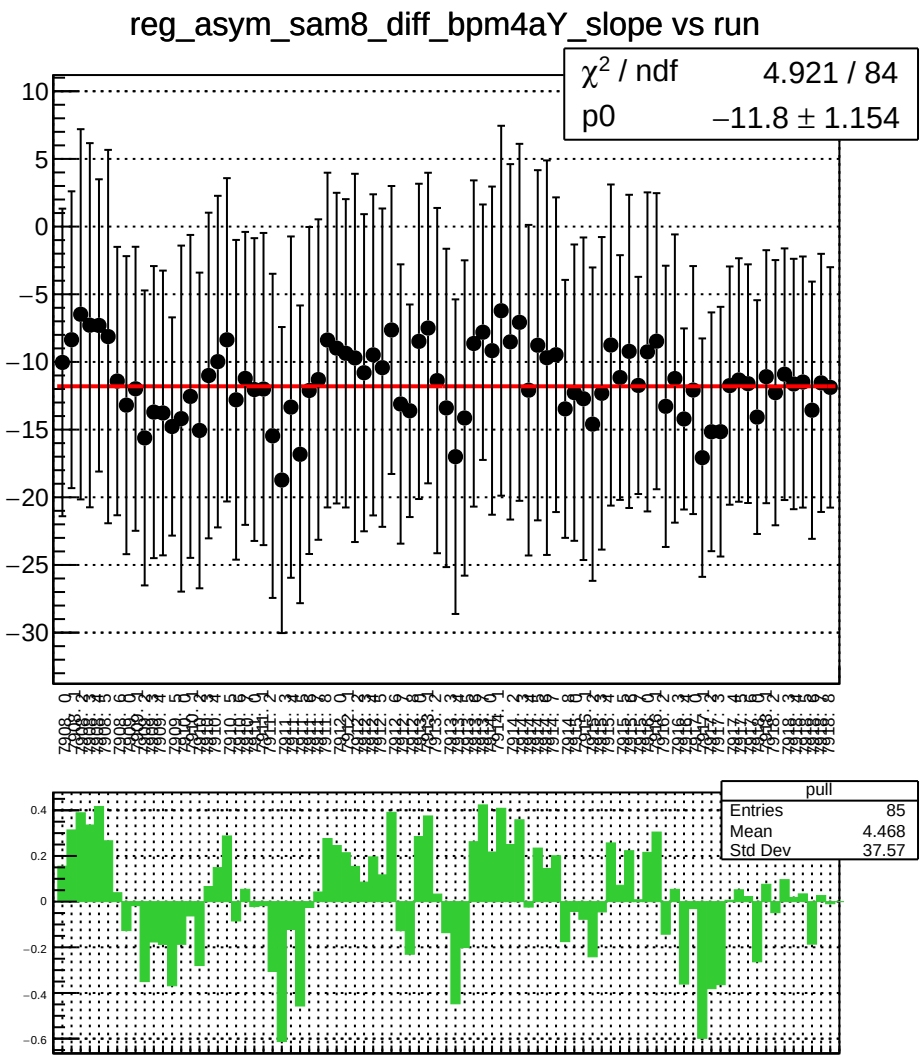

pull1D
Entries 85
Mean 0.06101
Std Dev 0.6422

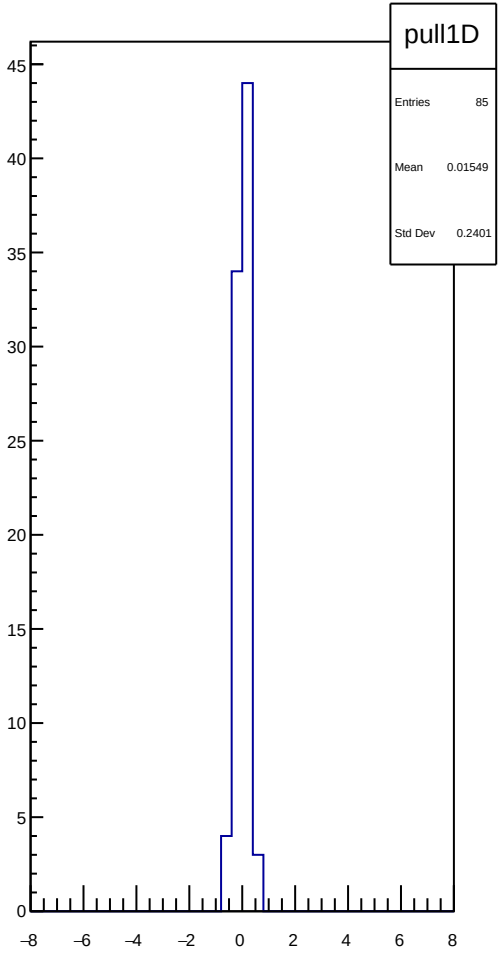

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.158 / 84
p0 −29.34 ± 2.262
pull
Entries 85
Mean −90.43
Std Dev 142.6

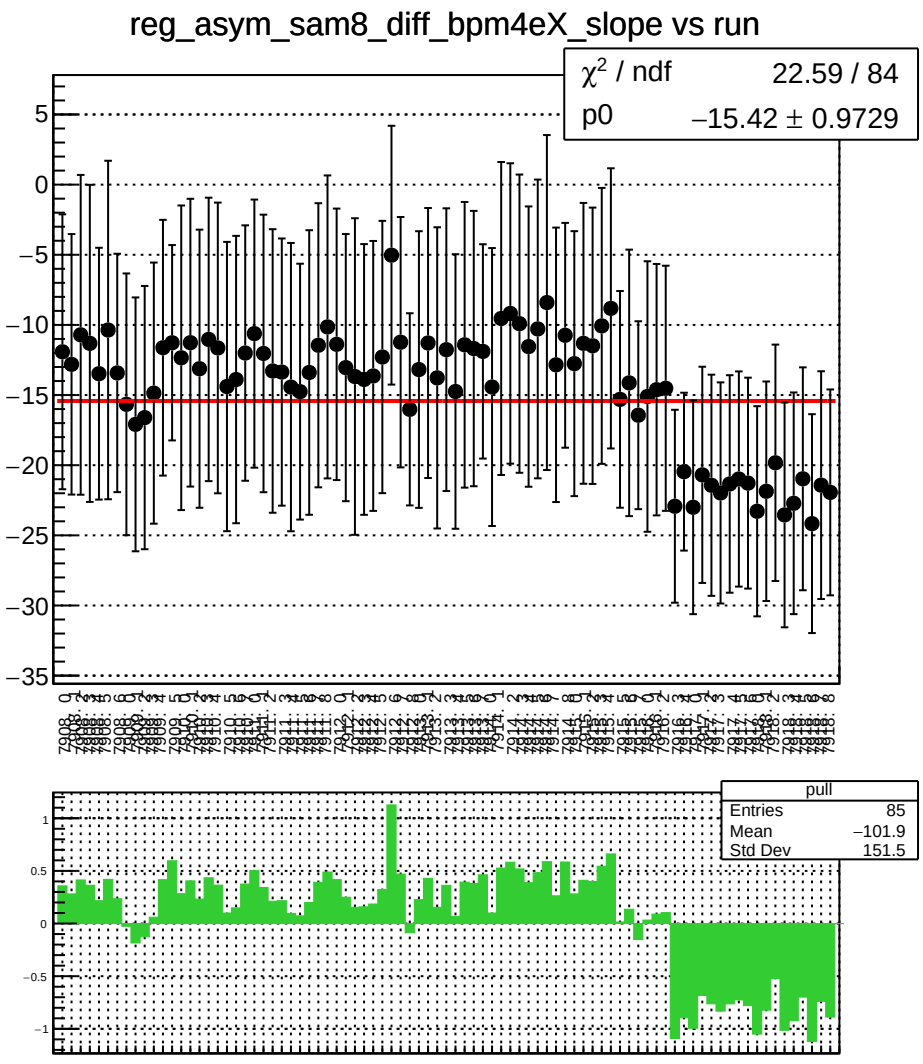

pull1D
Entries 85
Mean −0.01333
Std Dev 0.1923

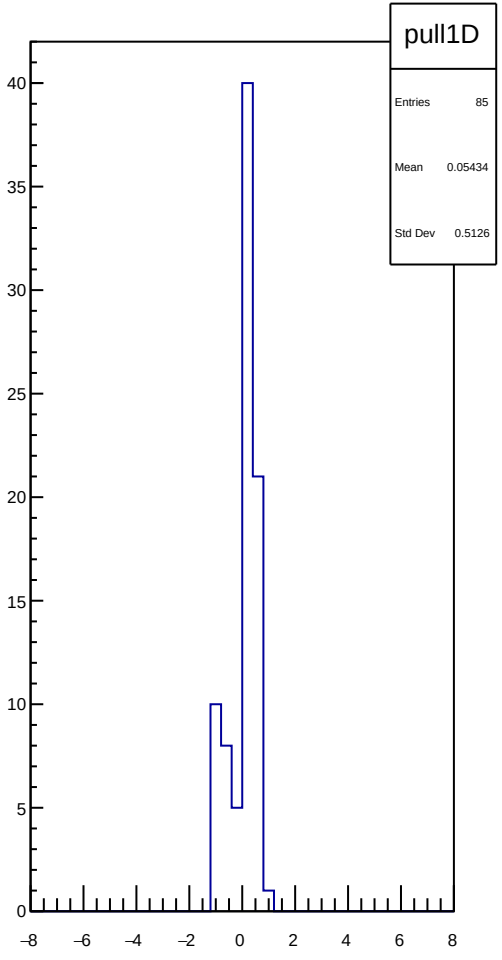

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.6 / 84
p0 −0.6545 ± 0.06775
pull
Entries 85
Mean −99.48
Std Dev 147.7
pull1D
Entries 85
Mean −0.04494
Std Dev 0.4261

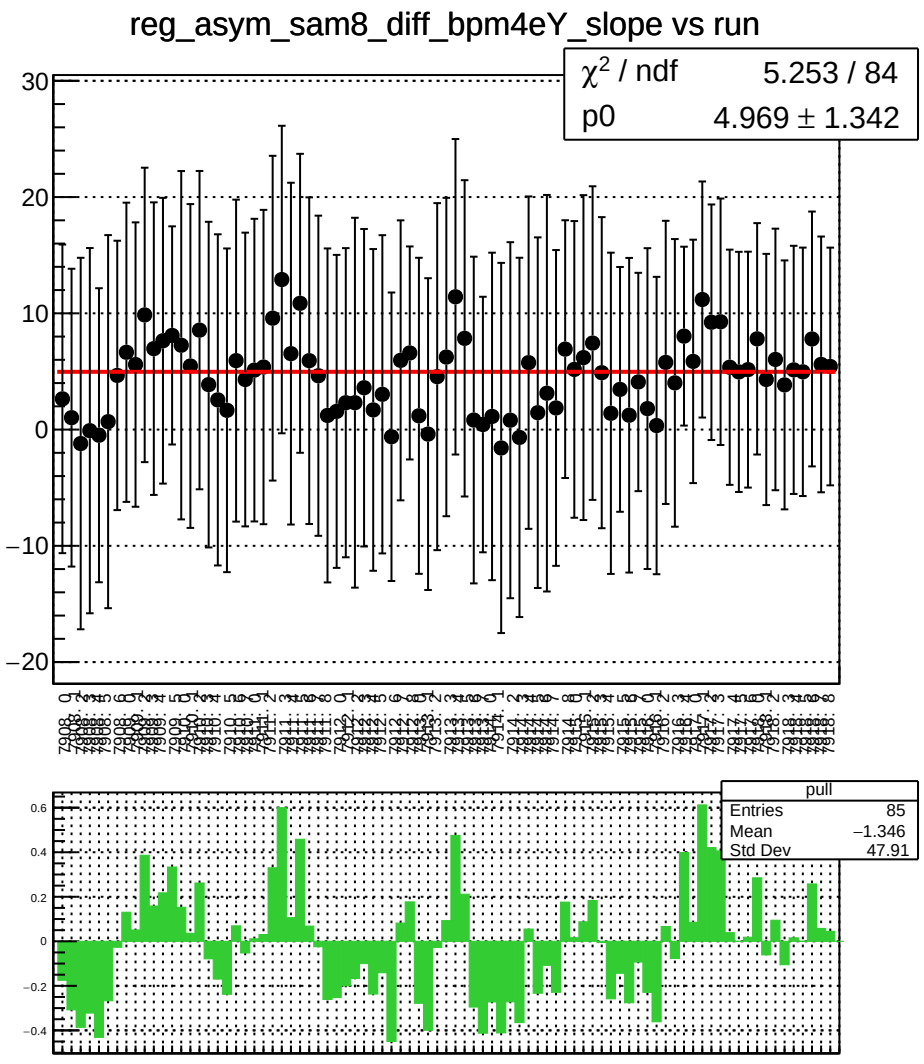

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 23.21 / 84
p0 −9.834 ± 1.14
pull
Entries 85
Mean −73.58
Std Dev 122.5
pull1D
Entries 85
Mean −0.06992
Std Dev 0.5178

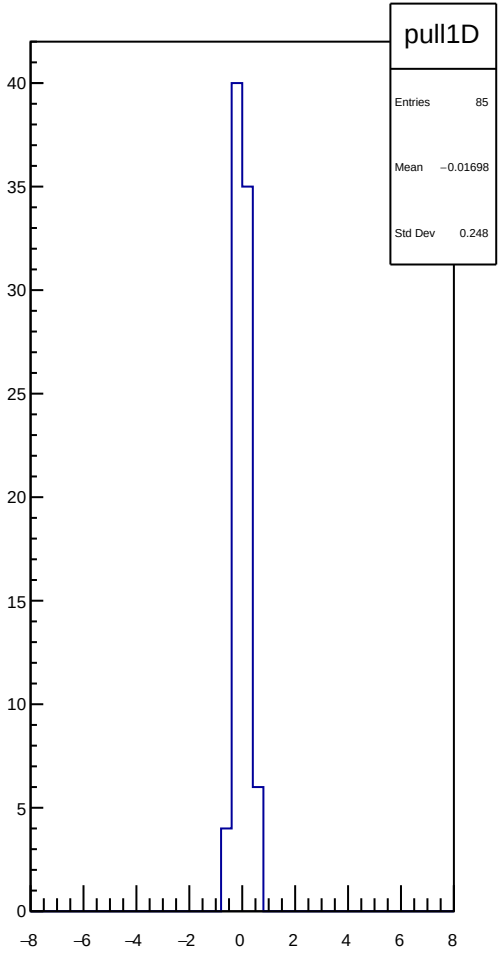

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.921 / 84
p0 −11.8 ± 1.154
pull
Entries 85
Mean 4.468
Std Dev 37.57

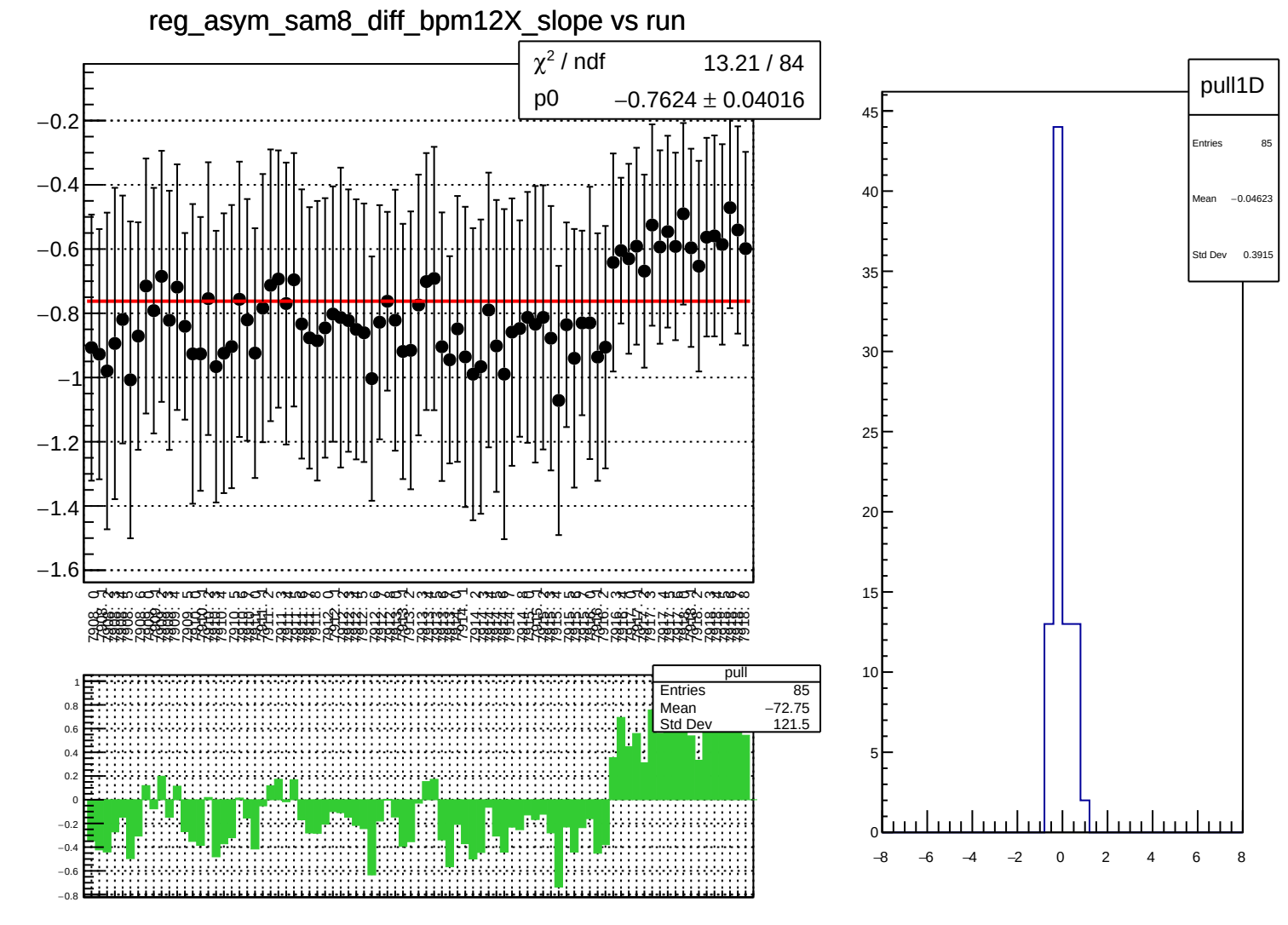

pull1D
Entries 85
Mean 0.01549
Std Dev 0.2401

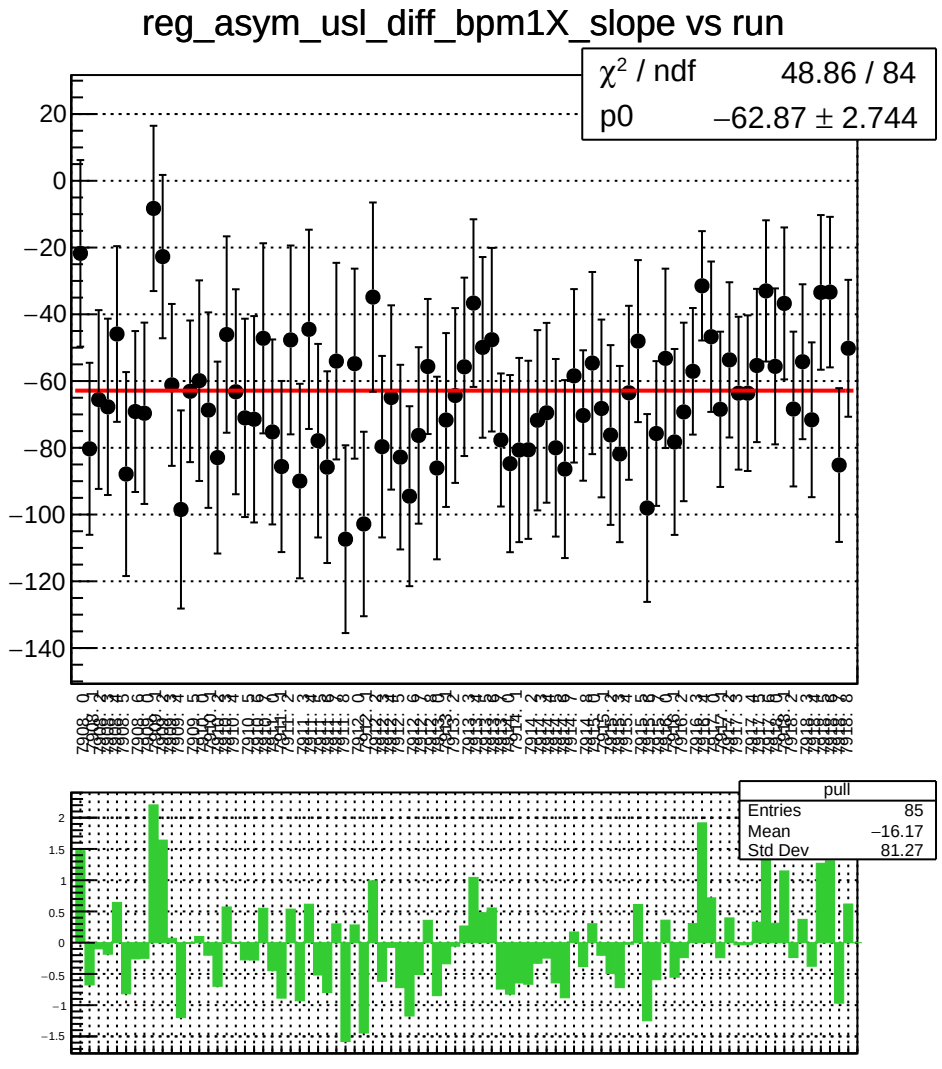

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 22.59 / 84
p0 −15.42 ± 0.9729
pull
Entries 85
Mean −101.9
Std Dev 151.5

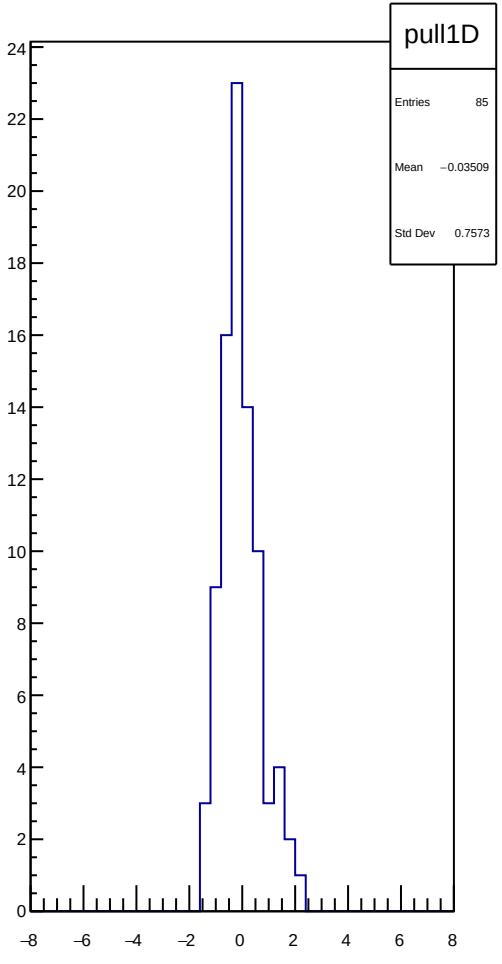

pull1D
Entries 85
Mean 0.05434
Std Dev 0.5126

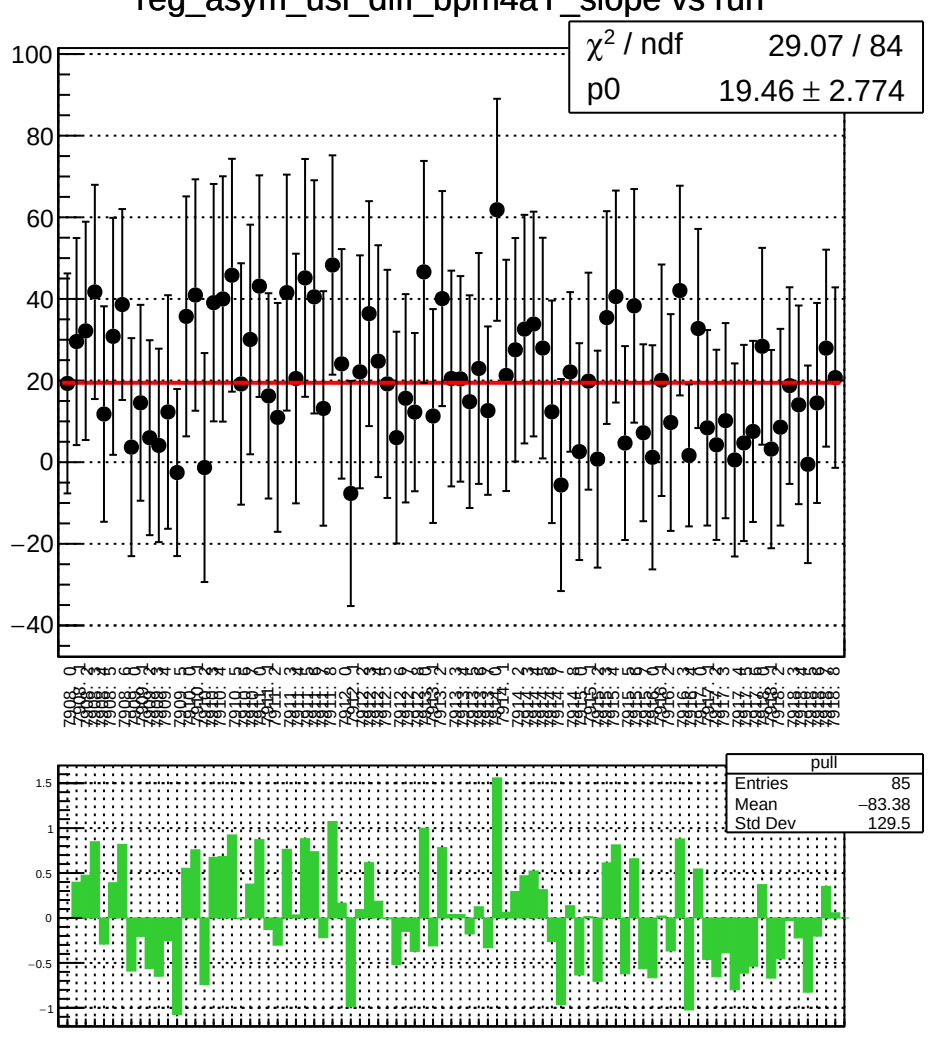

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 5.253 / 84
p0 4.969 ± 1.342
pull
Entries 85
Mean −1.346
Std Dev 47.91

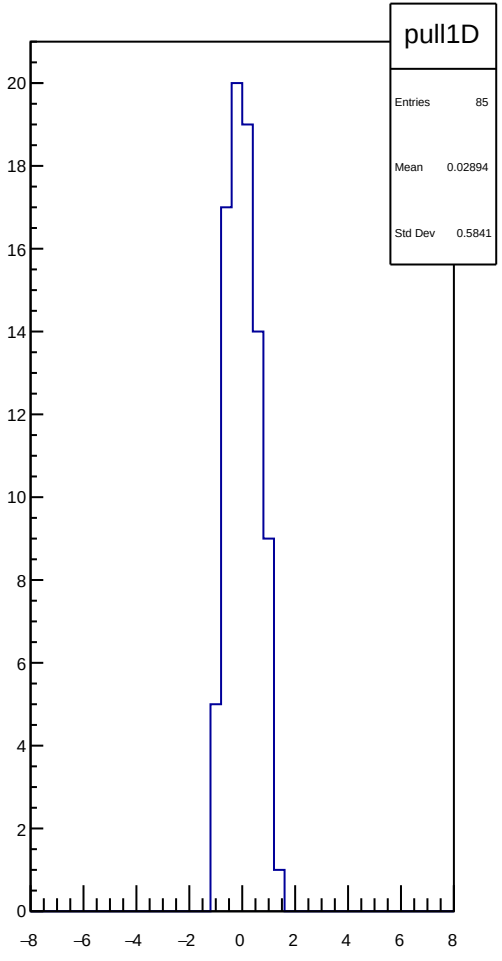

pull1D
Entries 85
Mean −0.01698
Std Dev 0.248

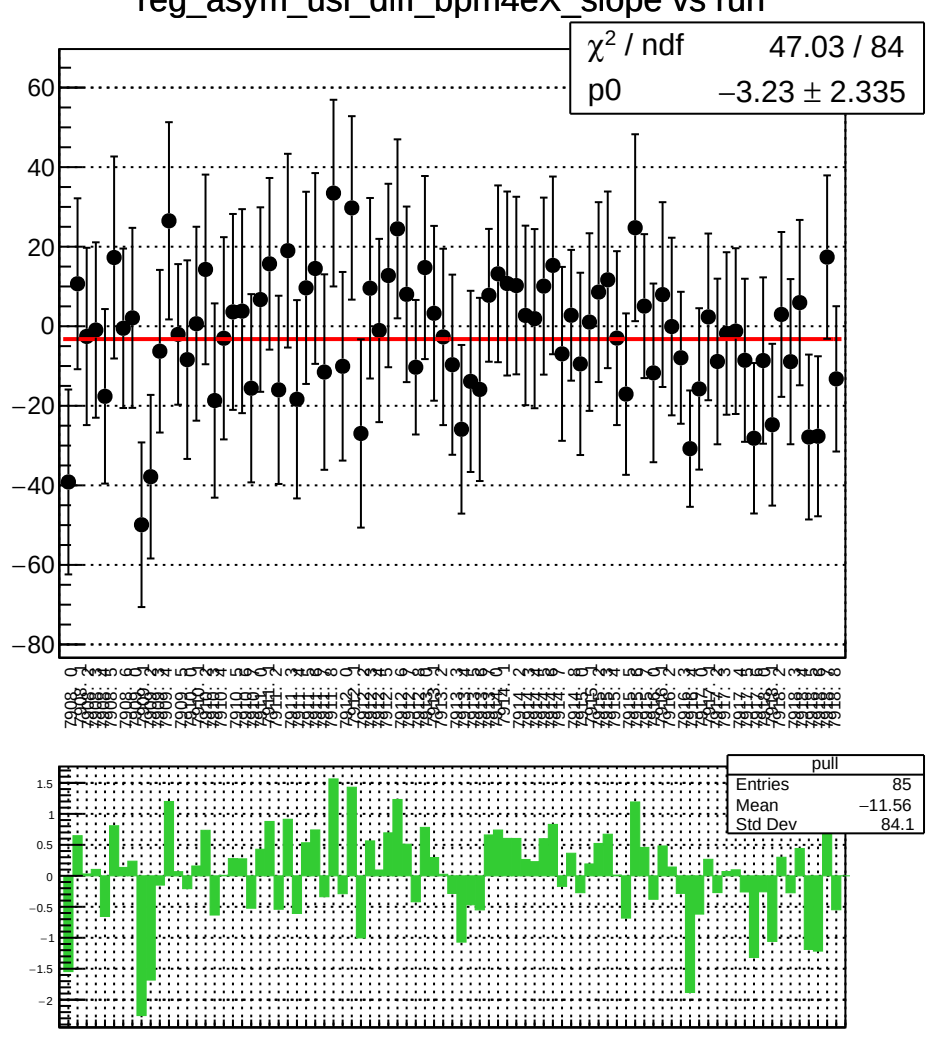

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 84
p0 −0.7624 ± 0.04016
pull
Entries 85
Mean −72.75
Std Dev 121.5
pull1D
Entries 85
Mean −0.04623
Std Dev 0.3915

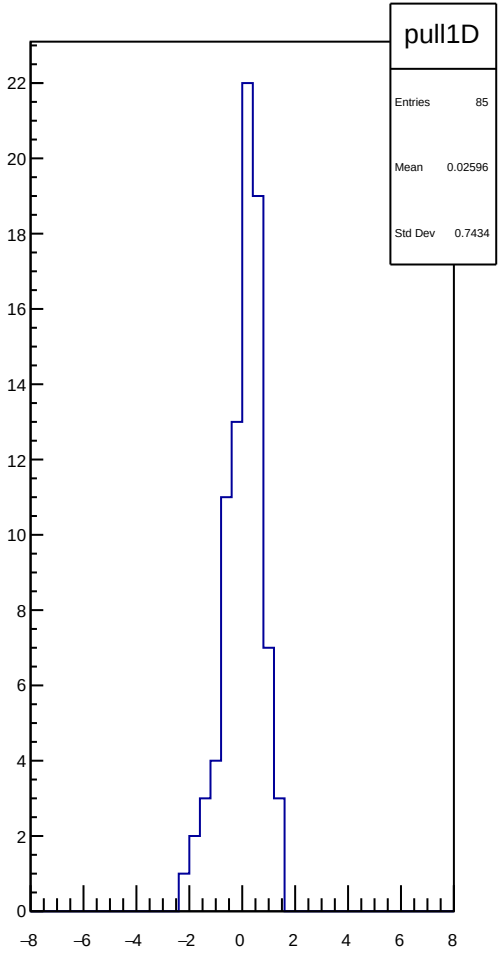

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 48.86 / 84
p0 −62.87 ± 2.744
pull
Entries 85
Mean −16.17
Std Dev 81.27

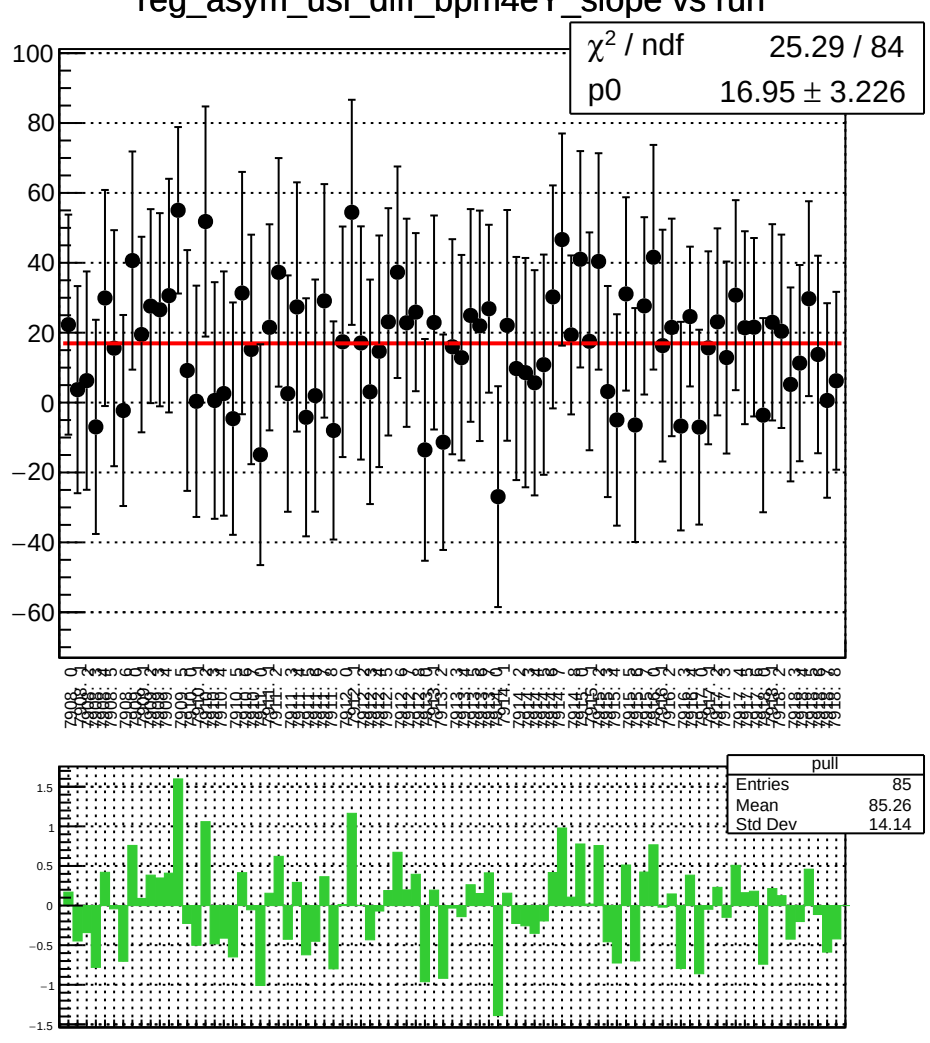

pull1D
Entries 85
Mean −0.03509
Std Dev 0.7573

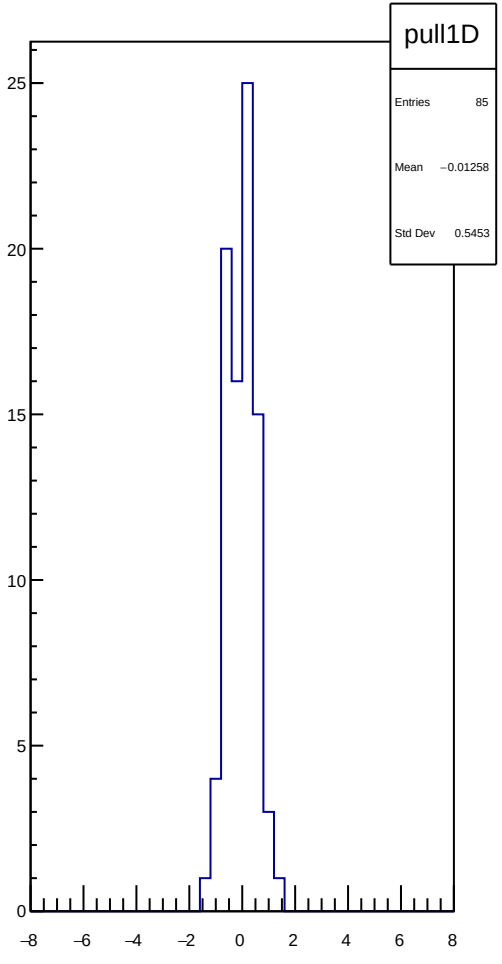

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 29.07 / 84
p0 19.46 ± 2.774
pull
Entries 85
Mean −83.38
Std Dev 129.5

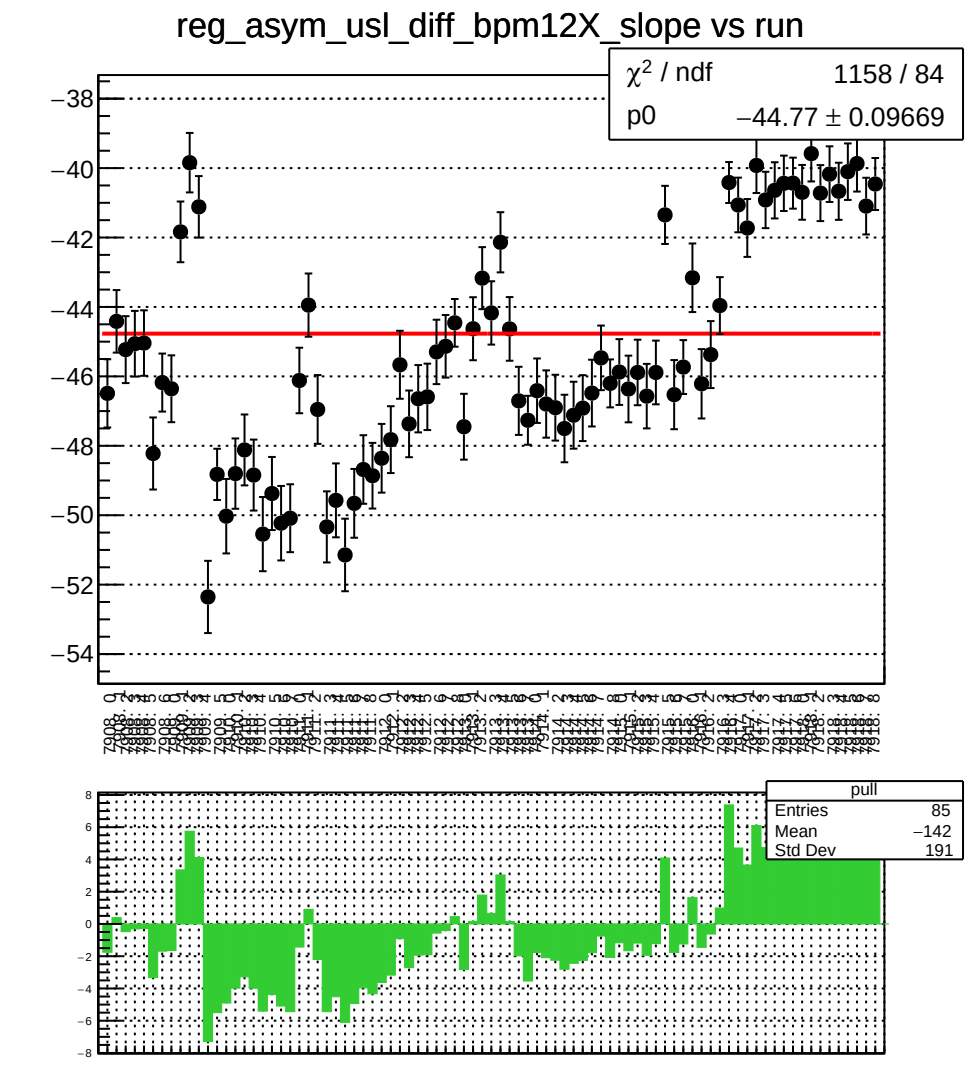

pull1D
Entries 85
Mean 0.02894
Std Dev 0.5841

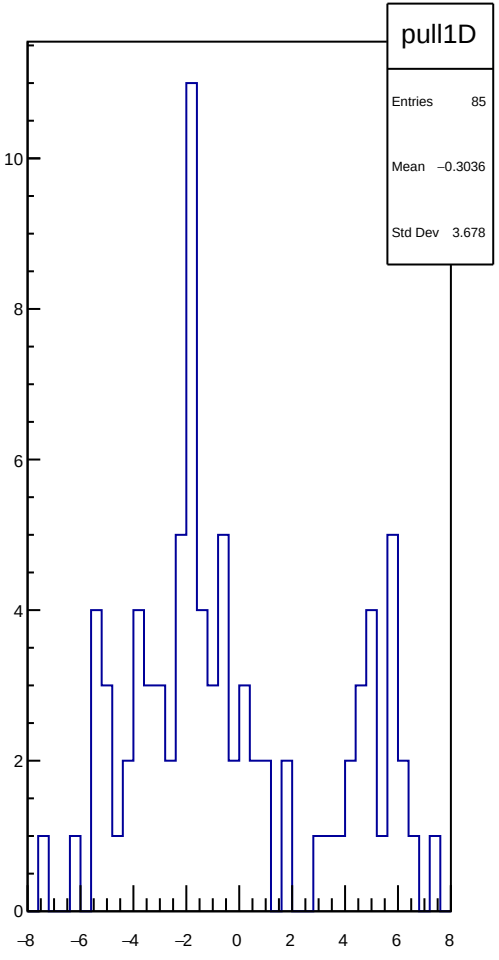

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 47.03 / 84
p0 −3.23 ± 2.335
pull
Entries 85
Mean −11.56
Std Dev 84.1

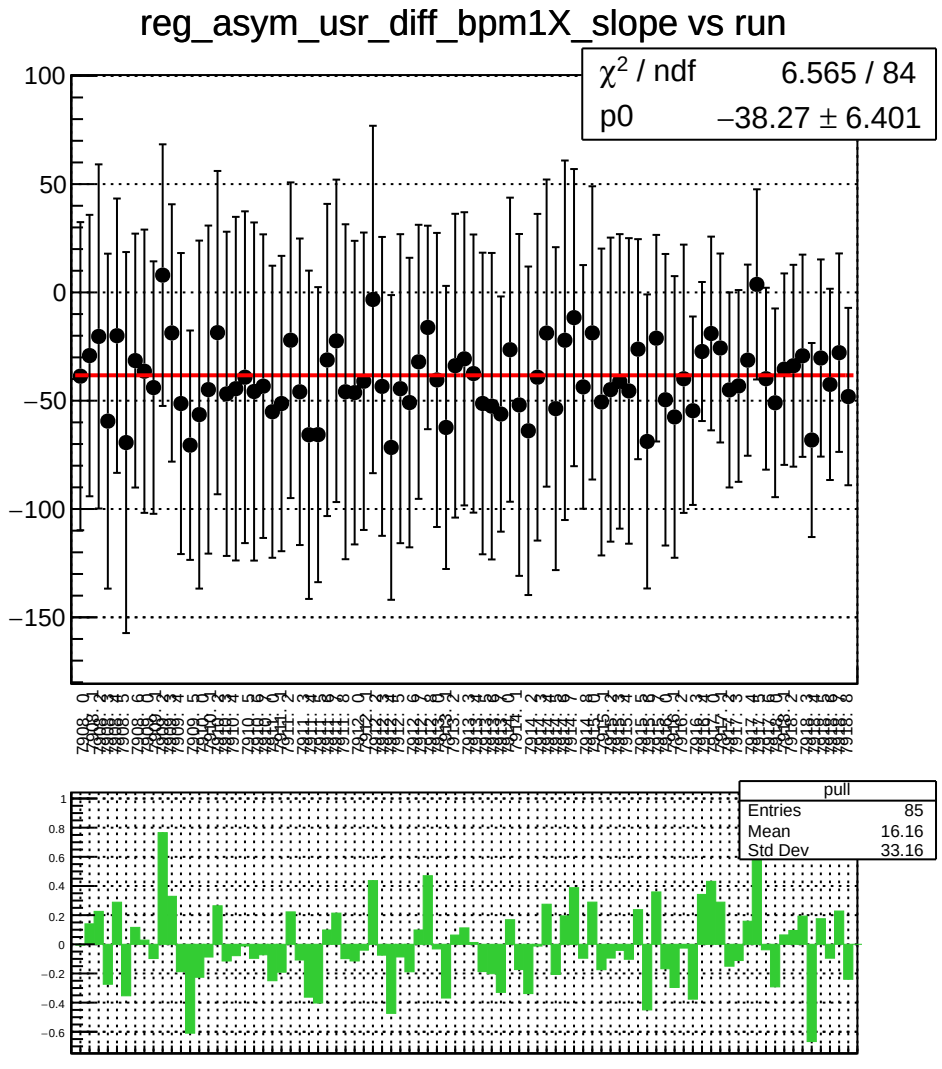

pull1D
Entries 85
Mean 0.02596
Std Dev 0.7434

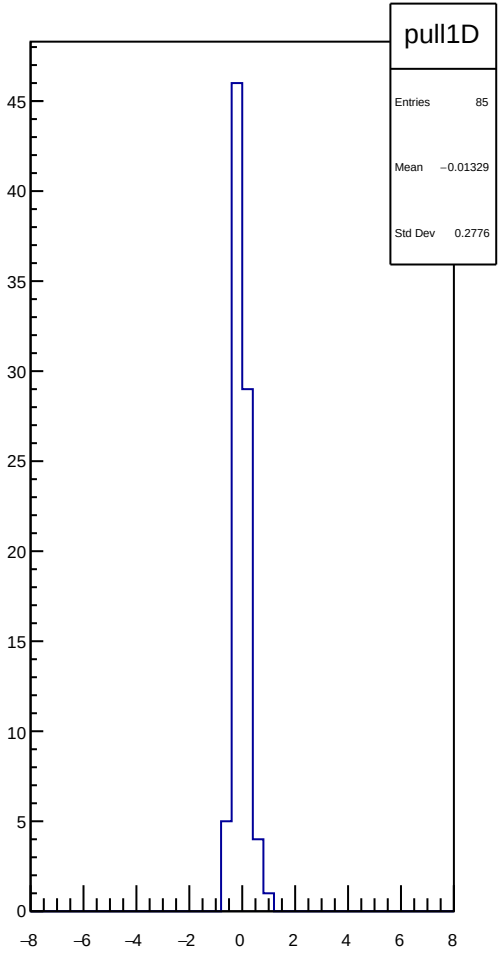

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.29 / 84
p0 16.95 ± 3.226
pull
Entries 85
Mean 85.26
Std Dev 14.14

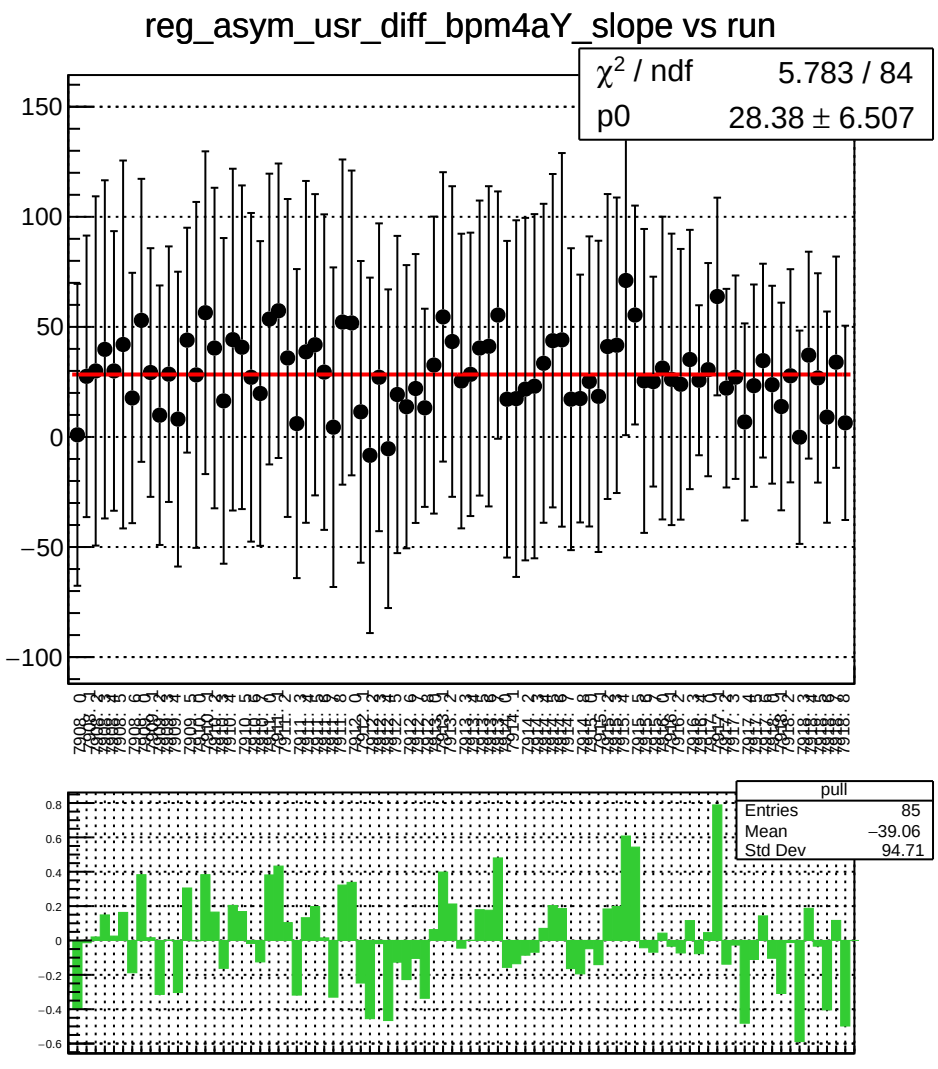

pull1D
Entries 85
Mean −0.01258
Std Dev 0.5453

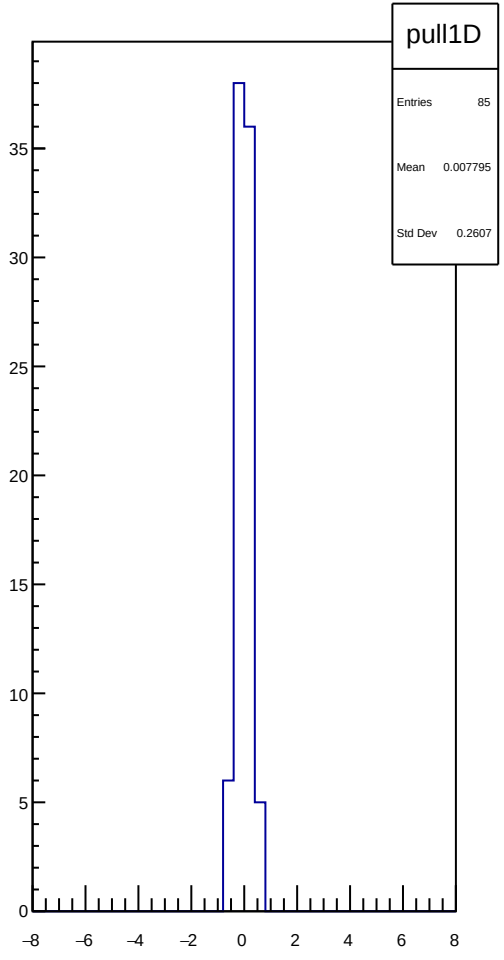

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1158 / 84
p0 −44.77 ± 0.09669
pull
Entries 85
Mean −142
Std Dev 191

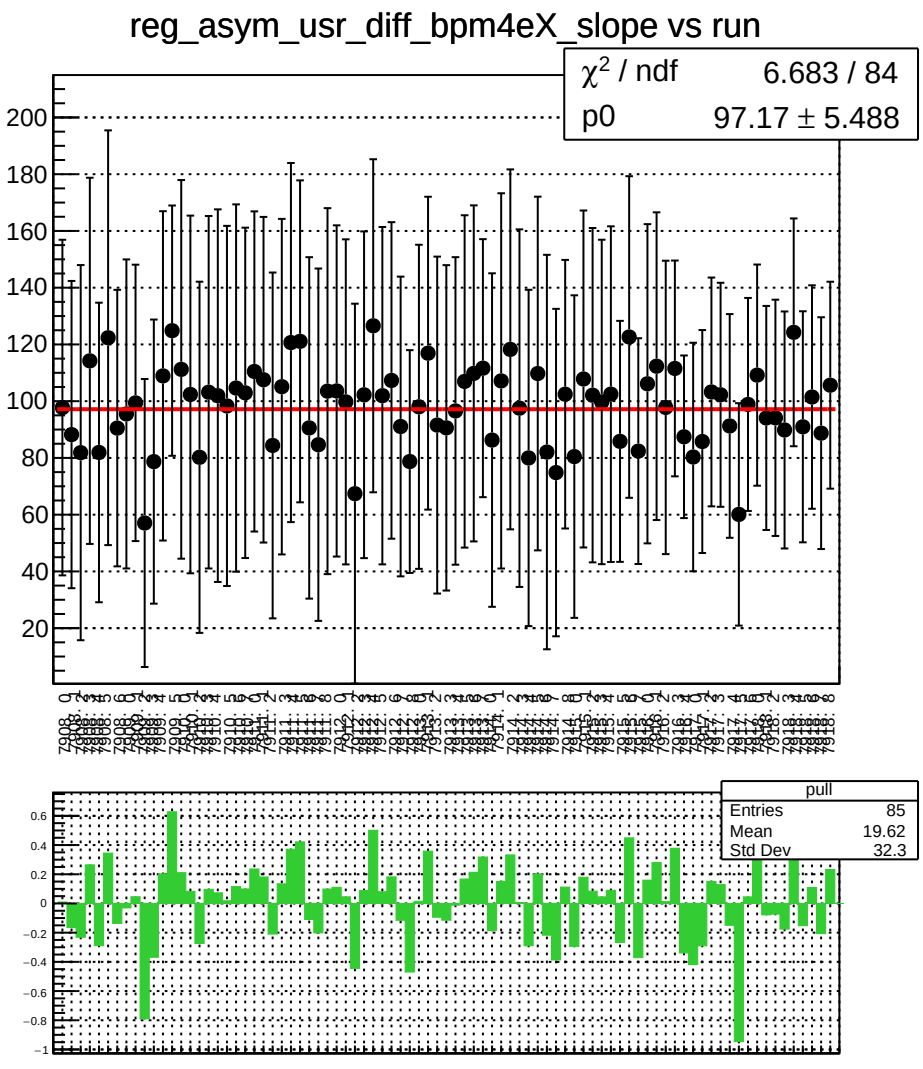

pull1D
Entries 85
Mean −0.3036
Std Dev 3.678

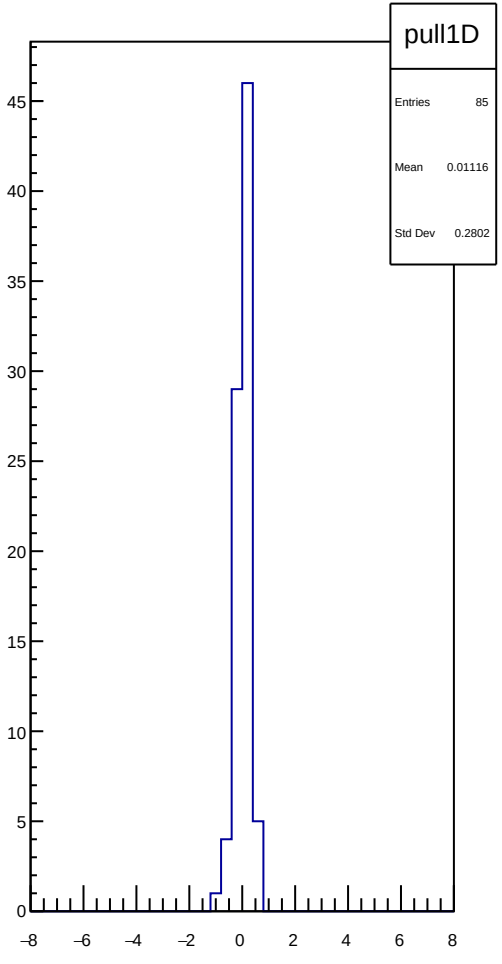

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 6.565 / 84
p0 −38.27 ± 6.401
pull
Entries 85
Mean 16.16
Std Dev 33.16

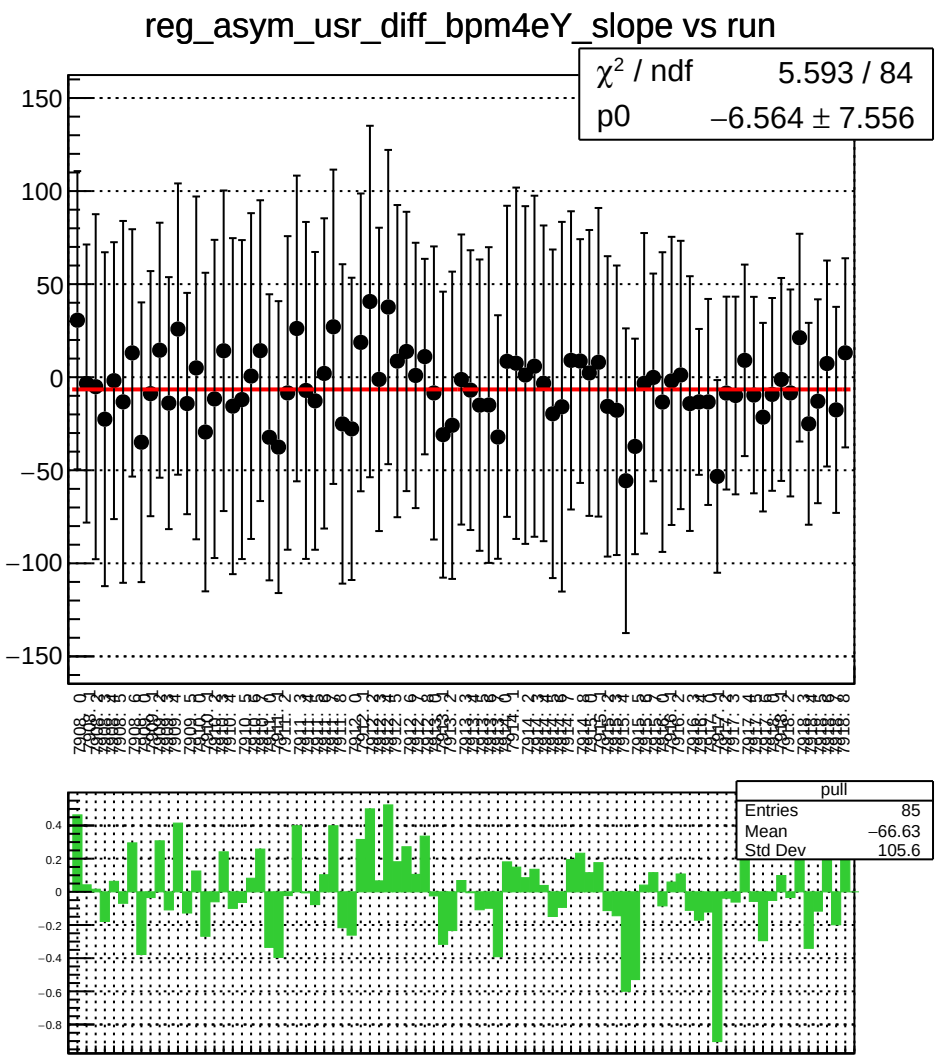

pull1D
Entries 85
Mean −0.01329
Std Dev 0.2776

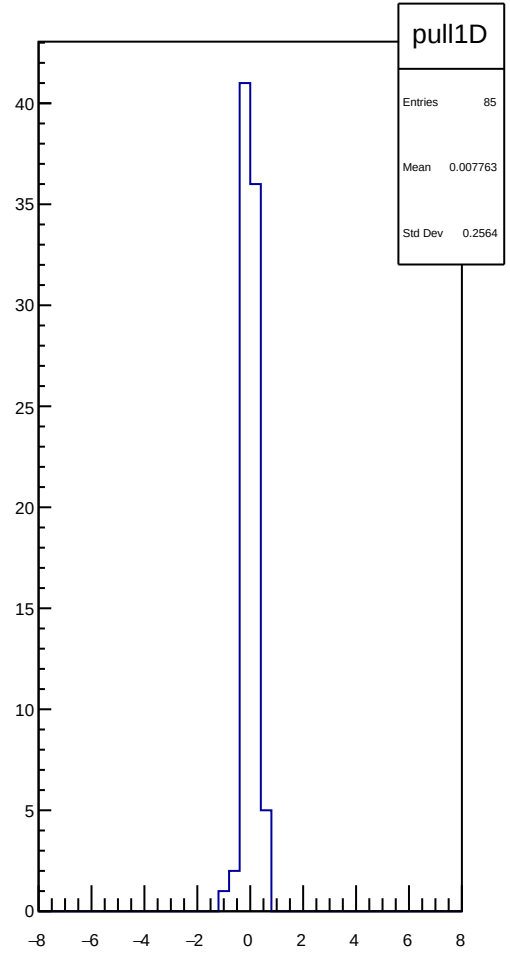

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 5.783 / 84
p0 28.38 ± 6.507
150
100
50
0
−50
−100
pull
Entries 85
Mean −39.06
Std Dev 94.71
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

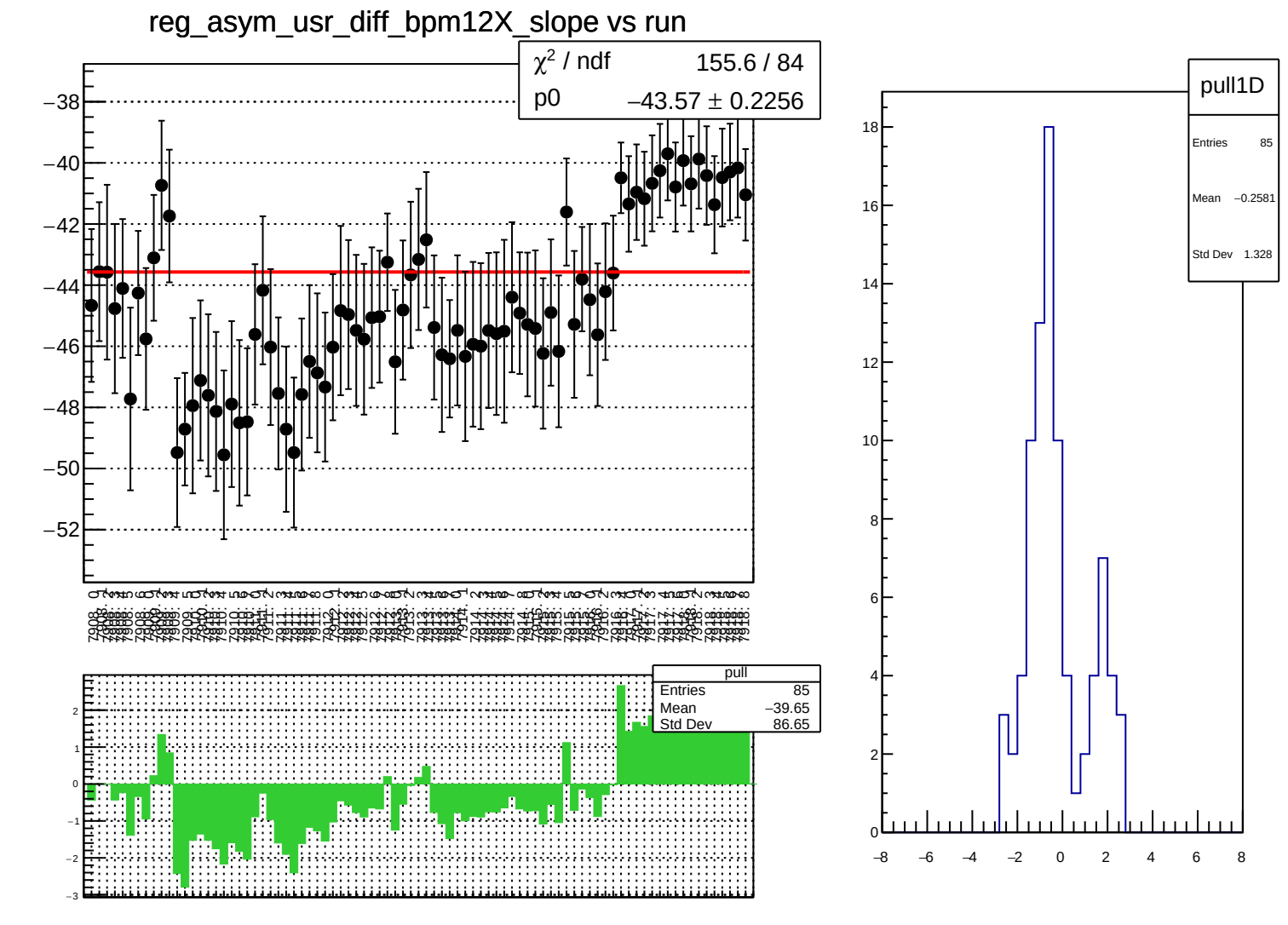

pull1D
Entries 85
Mean 0.007795
Std Dev 0.2607
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

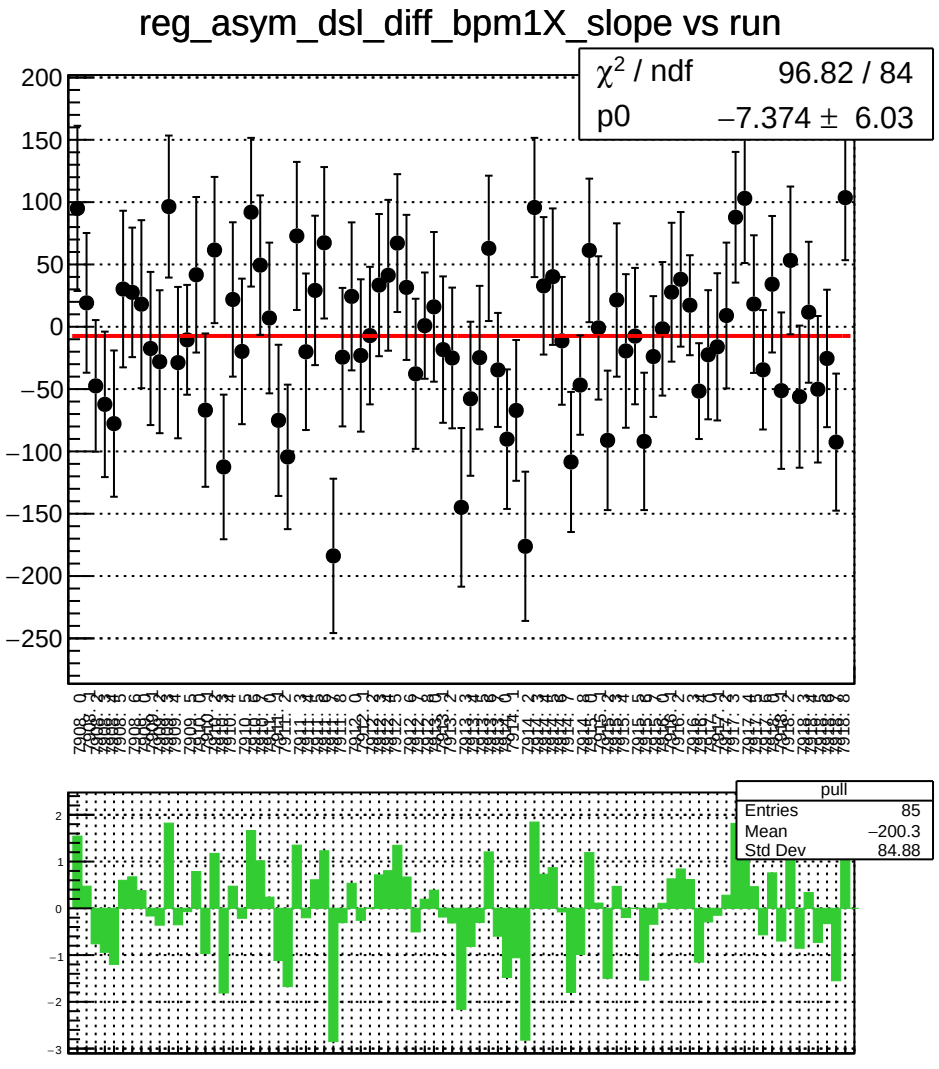

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 6.683 / 84
p0 97.17 ± 5.488
pull
Entries 85
Mean 19.62
Std Dev 32.3

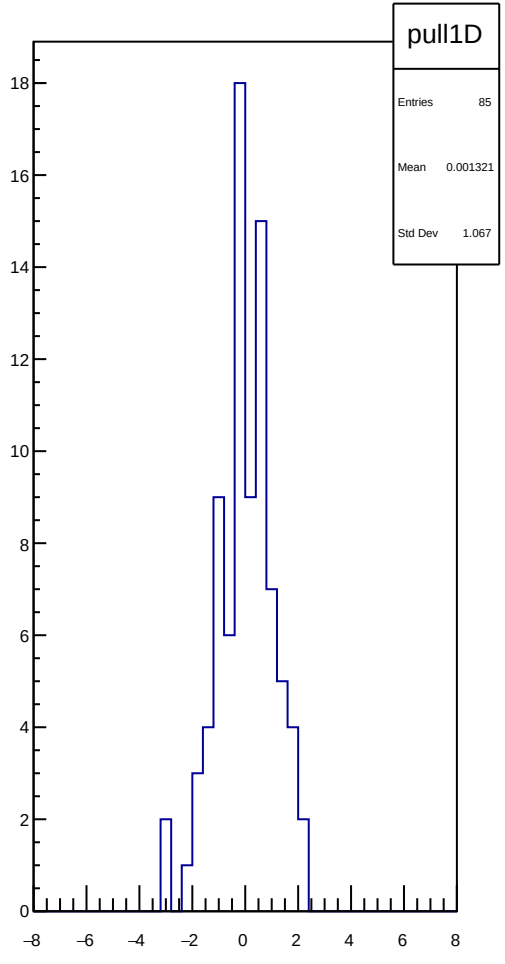

pull1D
Entries 85
Mean 0.01116
Std Dev 0.2802

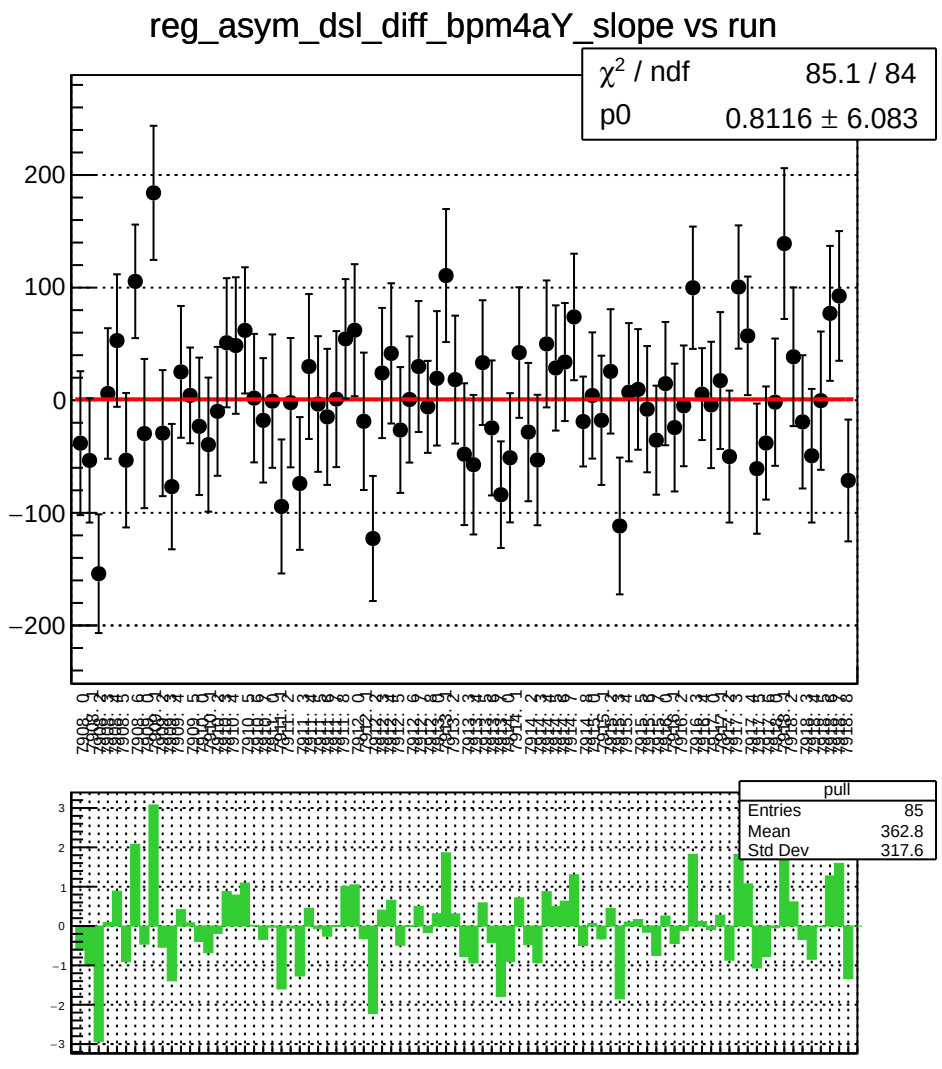

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 5.593 / 84
p0 −6.564 ± 7.556
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −66.63
Std Dev 105.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

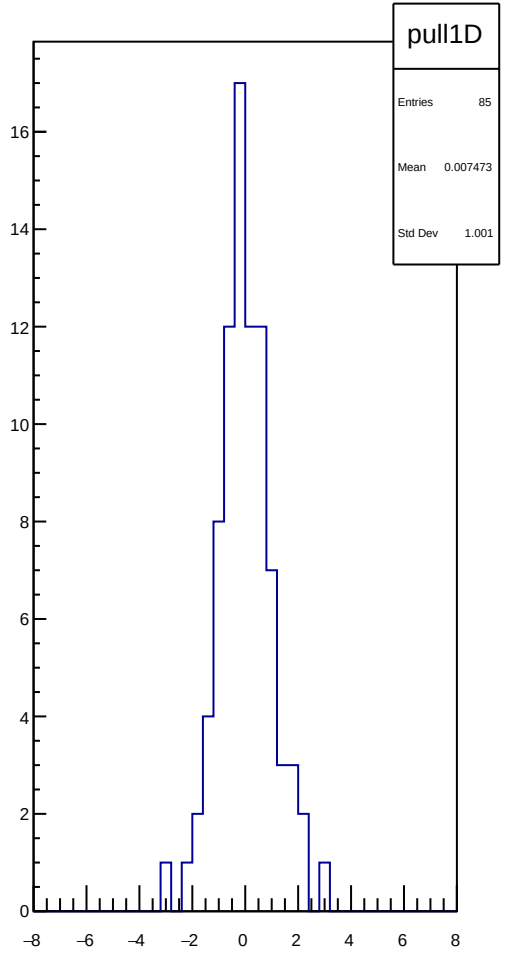

pull1D
Entries 85
Mean 0.007763
Std Dev 0.2564
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

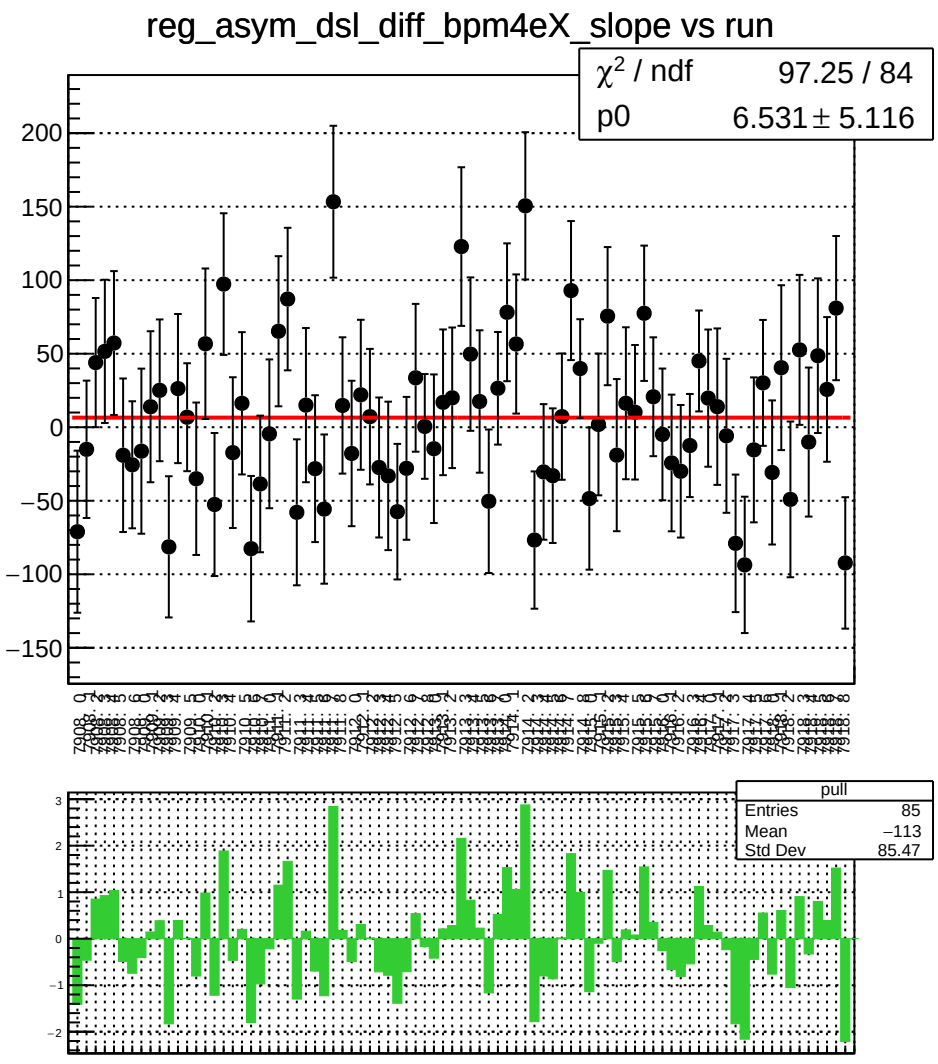

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 155.6 / 84
p0 −43.57 ± 0.2256
pull
Entries 85
Mean −39.65
Std Dev 86.65
pull1D
Entries 85
Mean −0.2581
Std Dev 1.328

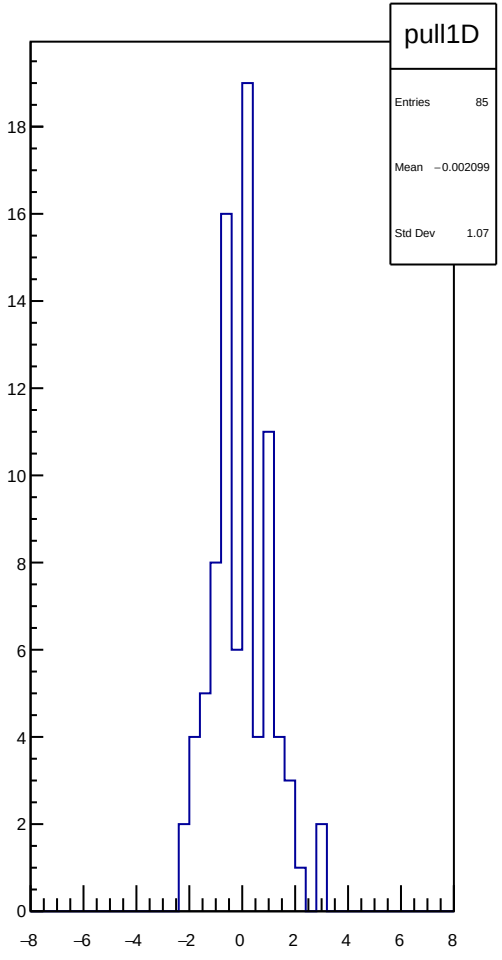

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 96.82 / 84
p0 −7.374 ± 6.03
pull
Entries 85
Mean −200.3
Std Dev 84.88

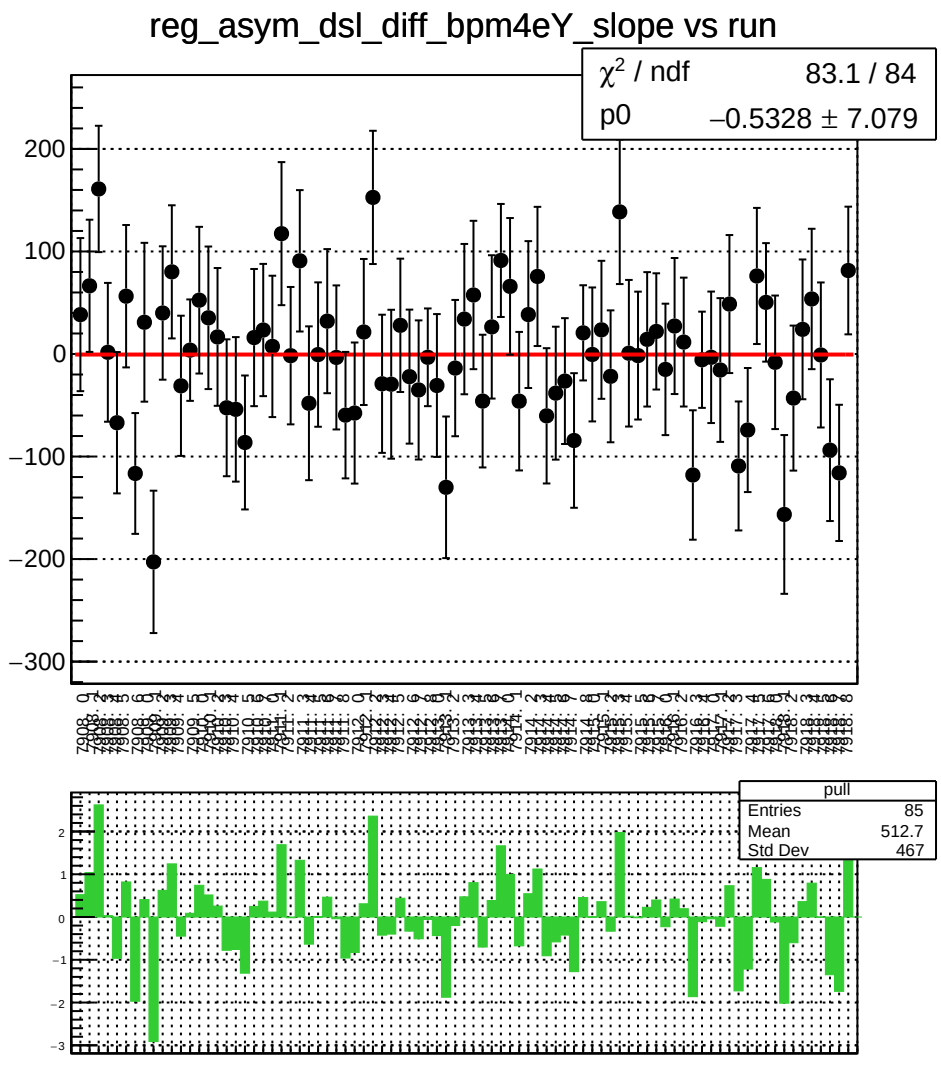

pull1D
Entries 85
Mean 0.001321
Std Dev 1.067

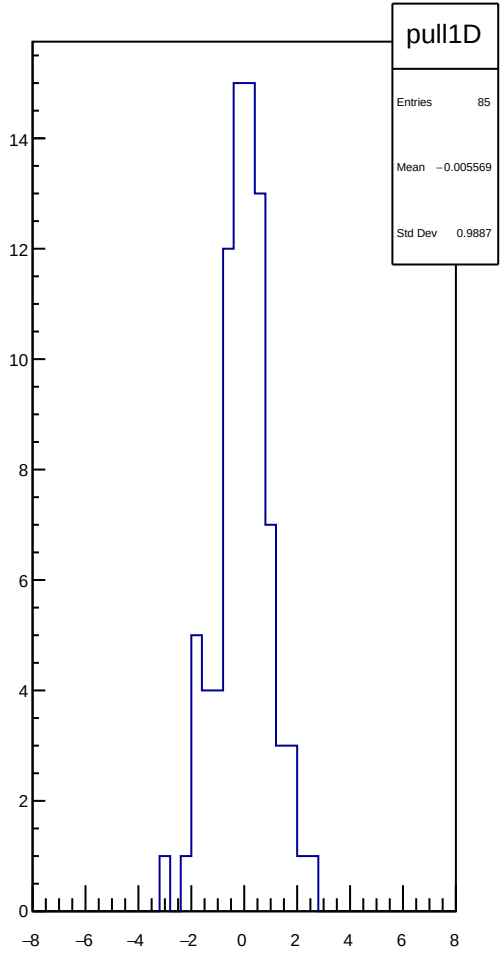

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 85.1 / 84
p0 0.8116 ± 6.083
200
100
0
−100
−200
pull
Entries 85
Mean 362.8
Std Dev 317.6
3
2
1
0
−1
−2
−3

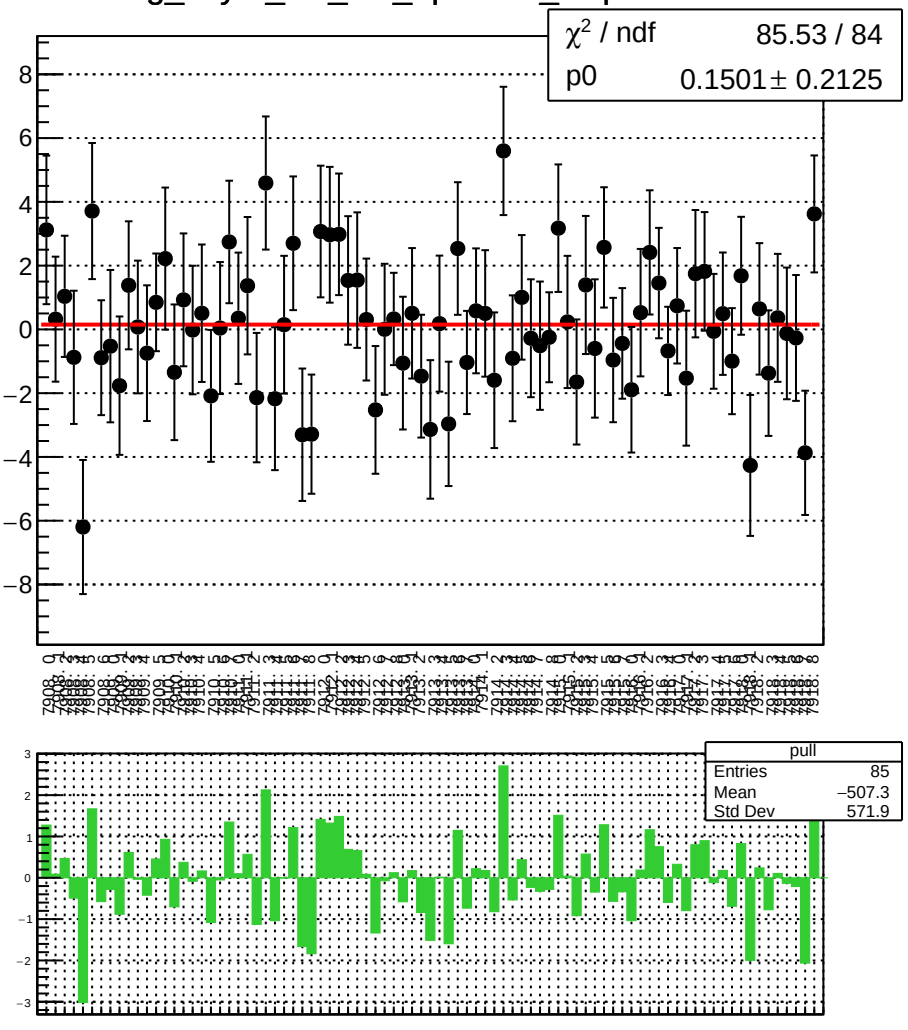

pull1D
Entries 85
Mean 0.007473
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

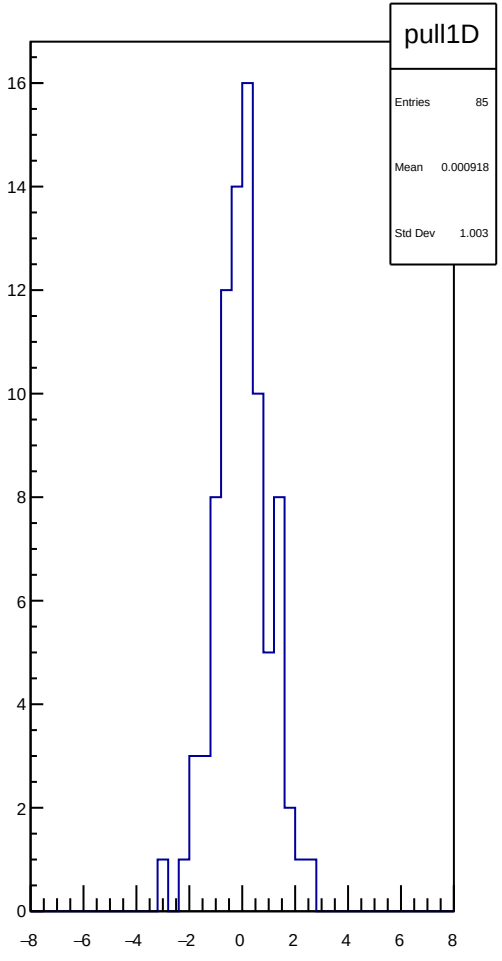

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 97.25 / 84
p0 6.531 ± 5.116
pull
Entries 85
Mean −113
Std Dev 85.47

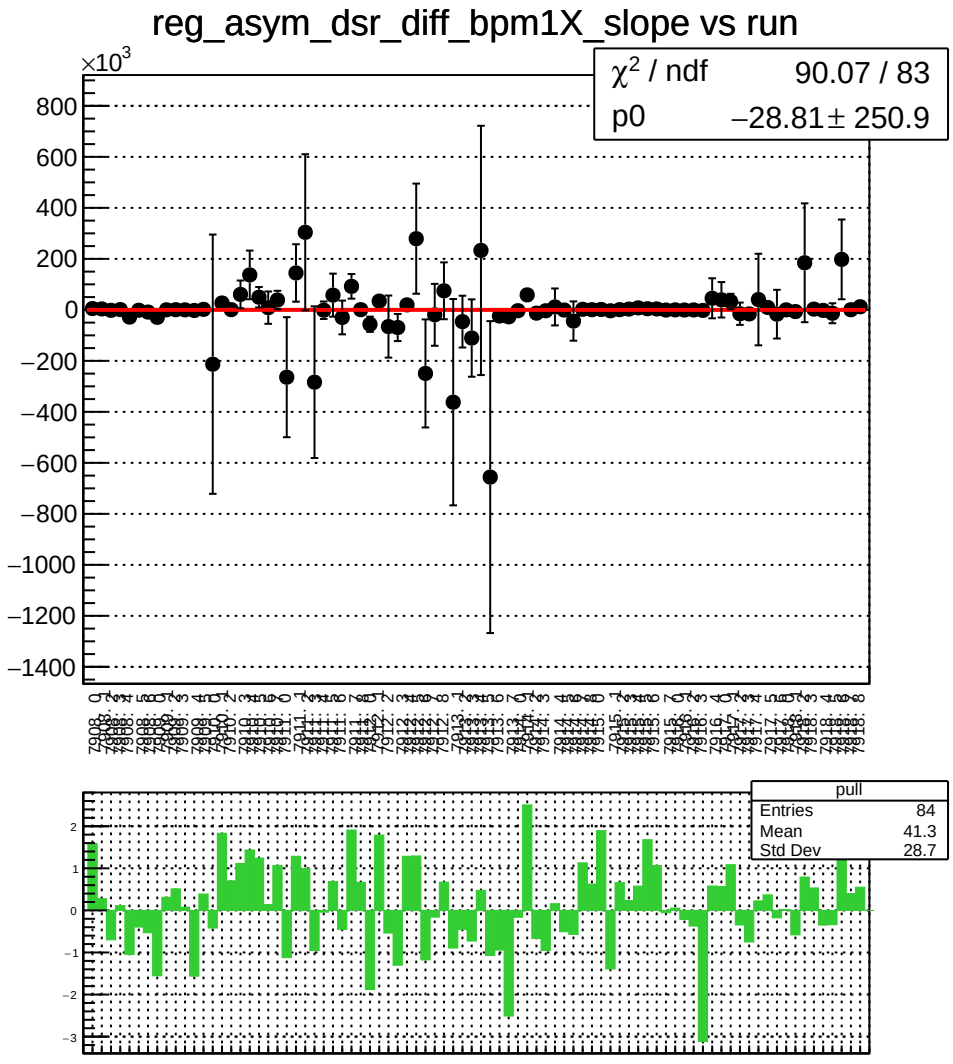

pull1D
Entries 85
Mean −0.002099
Std Dev 1.07

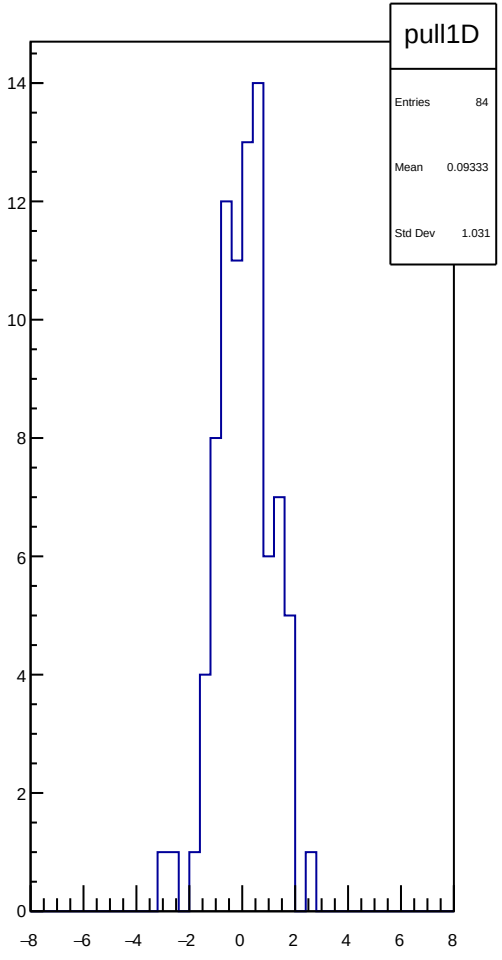

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 83.1 / 84
p0 −0.5328 ± 7.079
pull
Entries 85
Mean 512.7
Std Dev 467

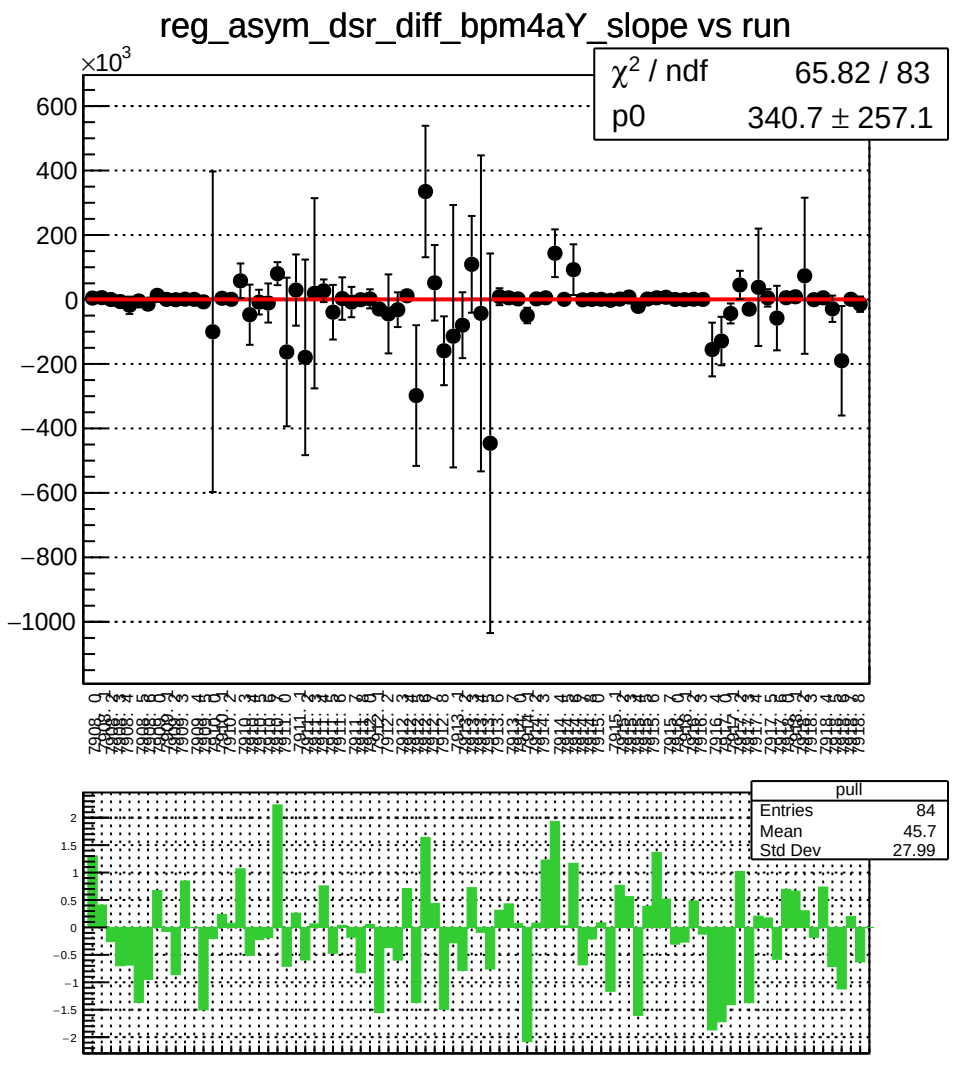

pull1D
Entries 85
Mean −0.005569
Std Dev 0.9887

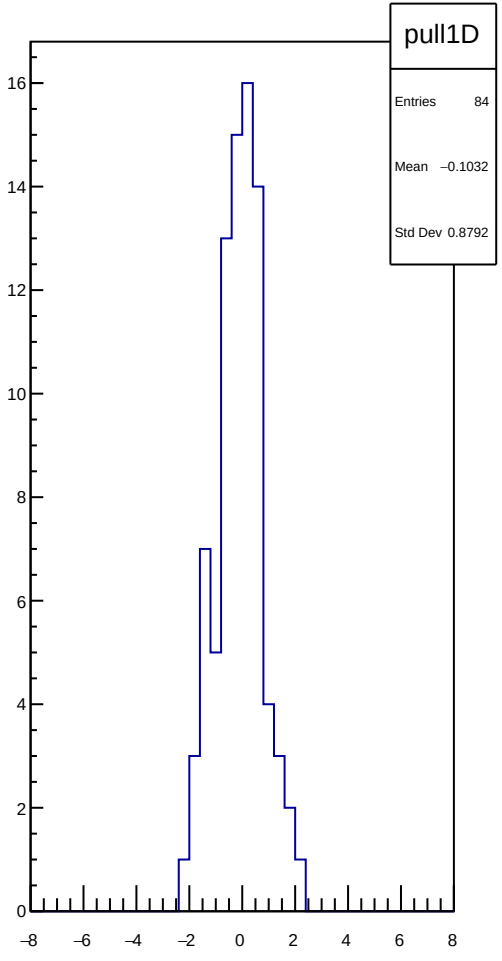

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 85.53 / 84
p0 0.1501 ± 0.2125
pull
Entries 85
Mean −507.3
Std Dev 571.9

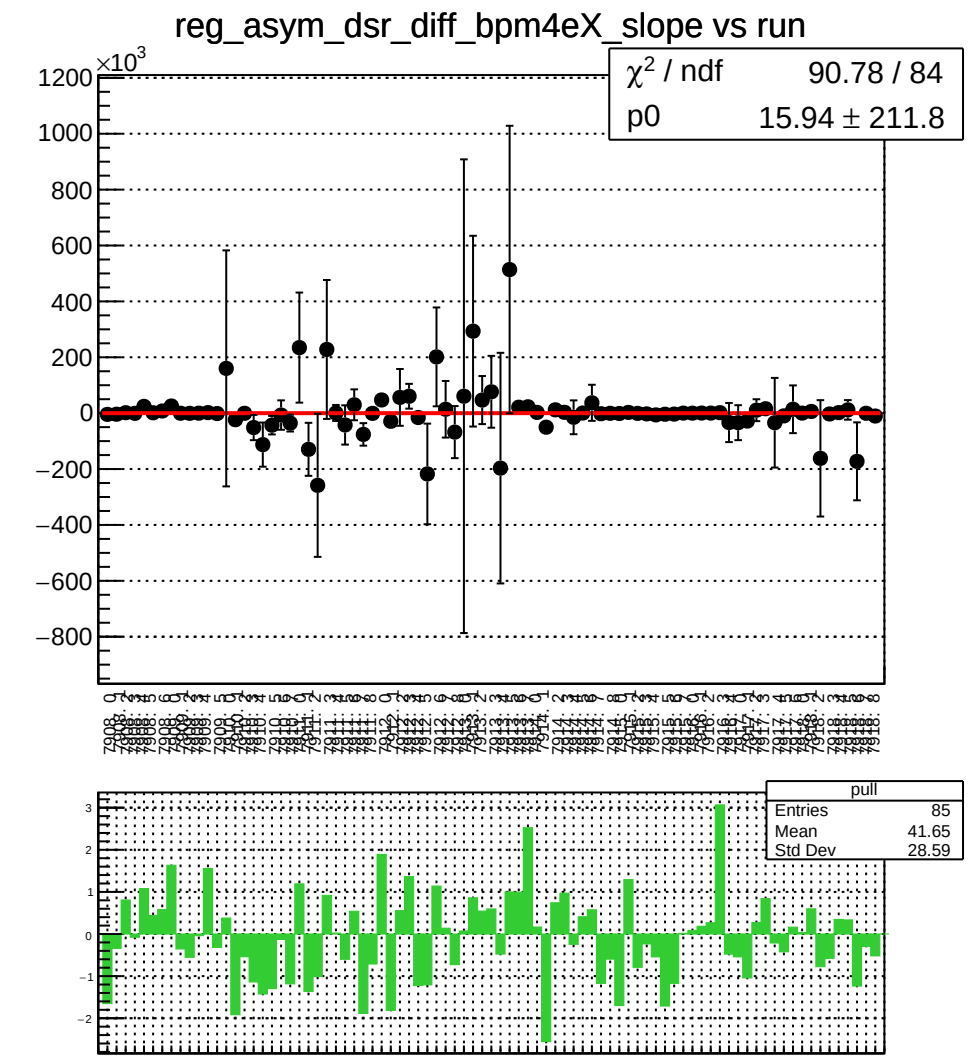

pull1D
Entries 85
Mean 0.000918
Std Dev 1.003

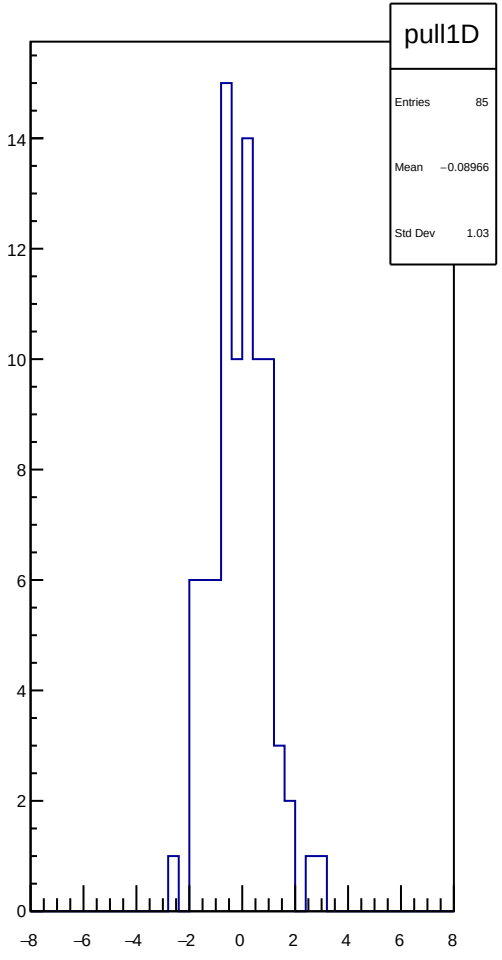

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 90.07 / 83
p0 −28.81 ± 250.9
pull
Entries 84
Mean 41.3
Std Dev 28.7

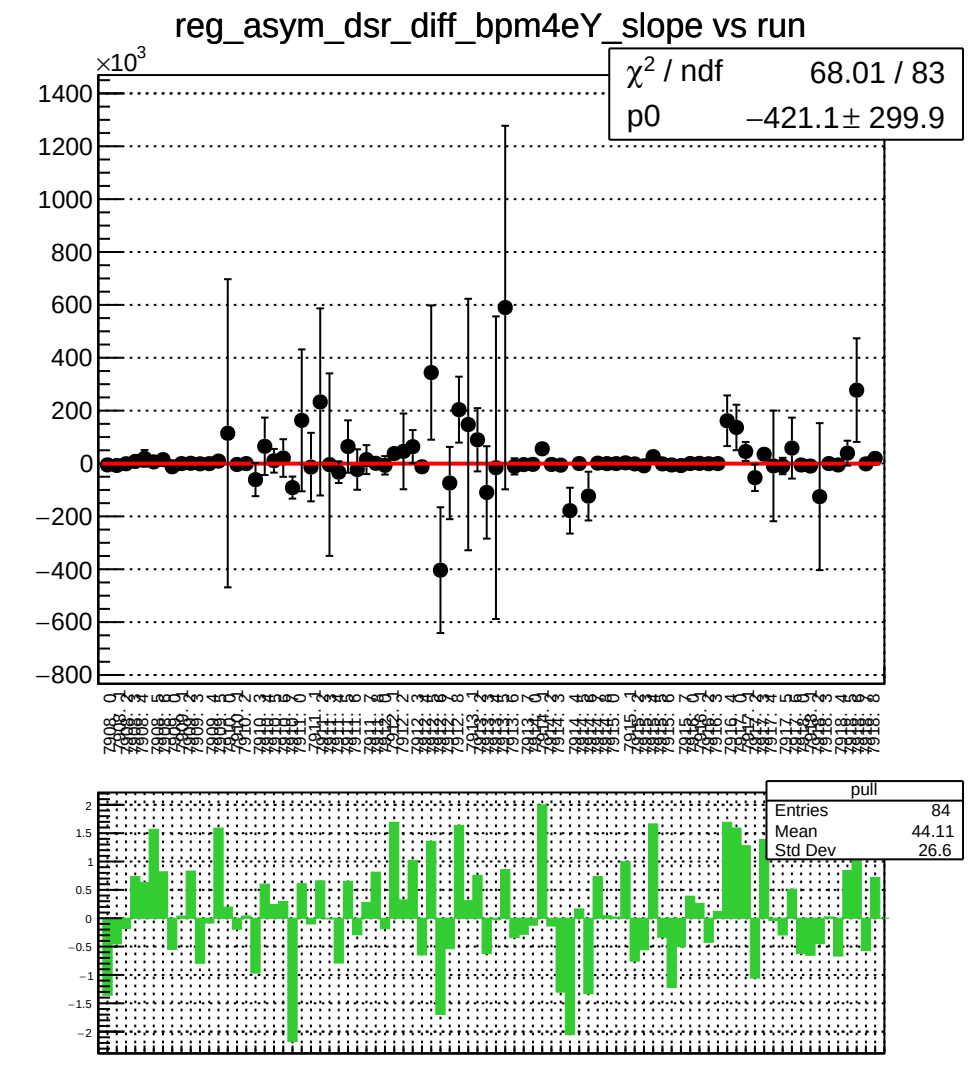

pull1D
Entries 84
Mean 0.09333
Std Dev 1.031

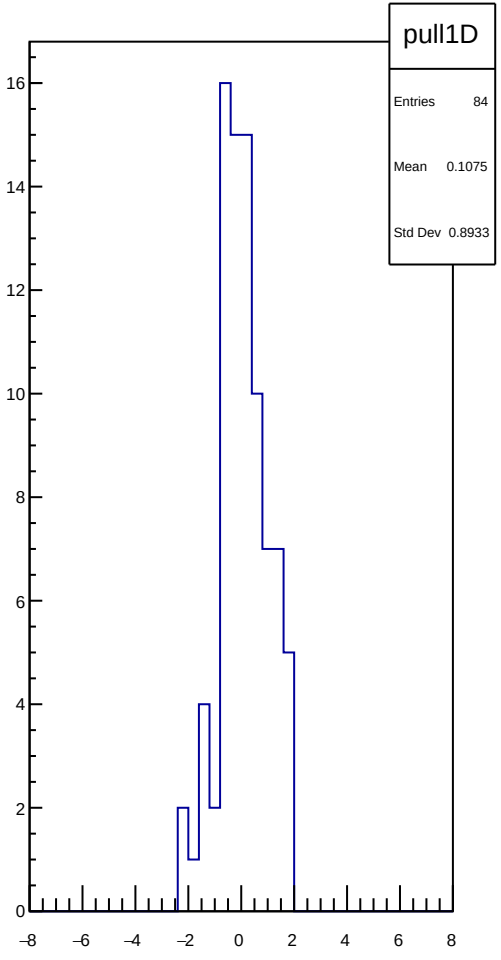

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 65.82 / 83
p0 340.7 ± 257.1
pull
Entries 84
Mean 45.7
Std Dev 27.99

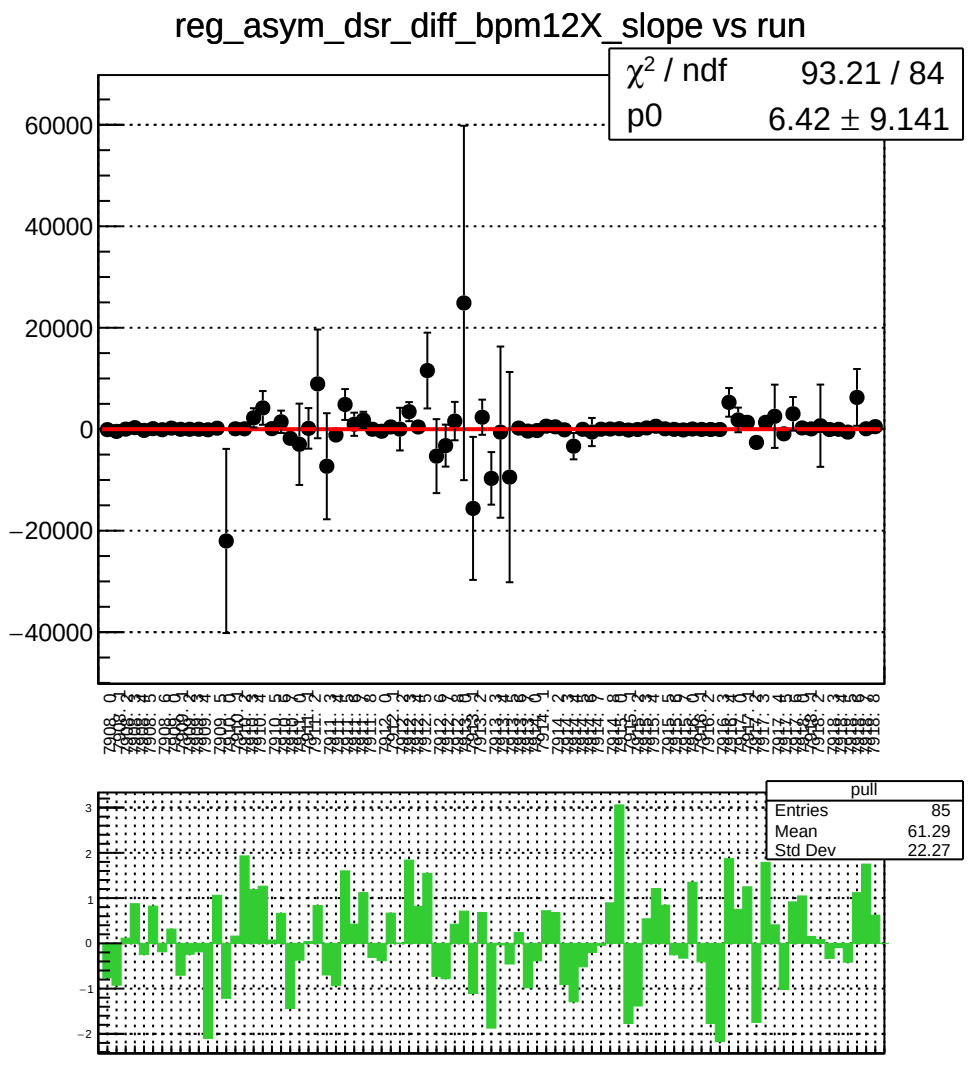

pull1D
Entries 84
Mean −0.1032
Std Dev 0.8792

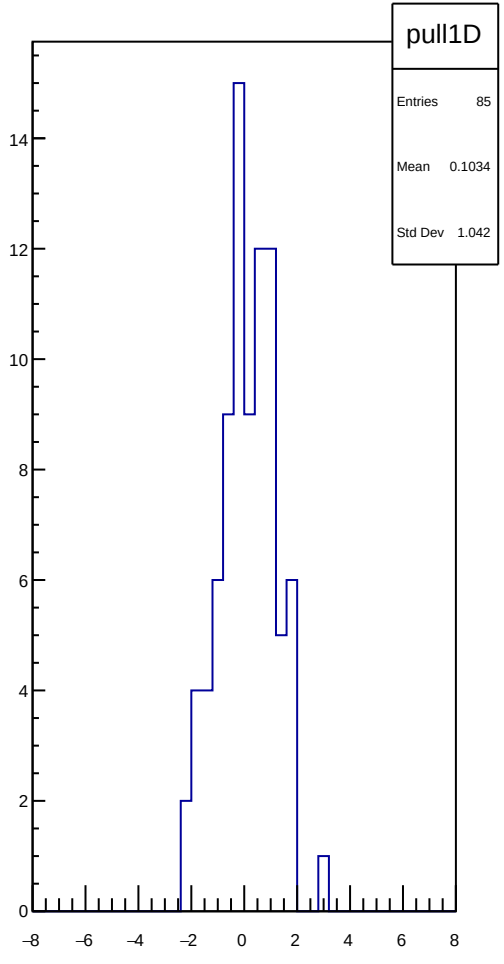

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 90.78 / 84
p0 15.94 ± 211.8
×10³
pull
Entries 85
Mean 41.65
Std Dev 28.59

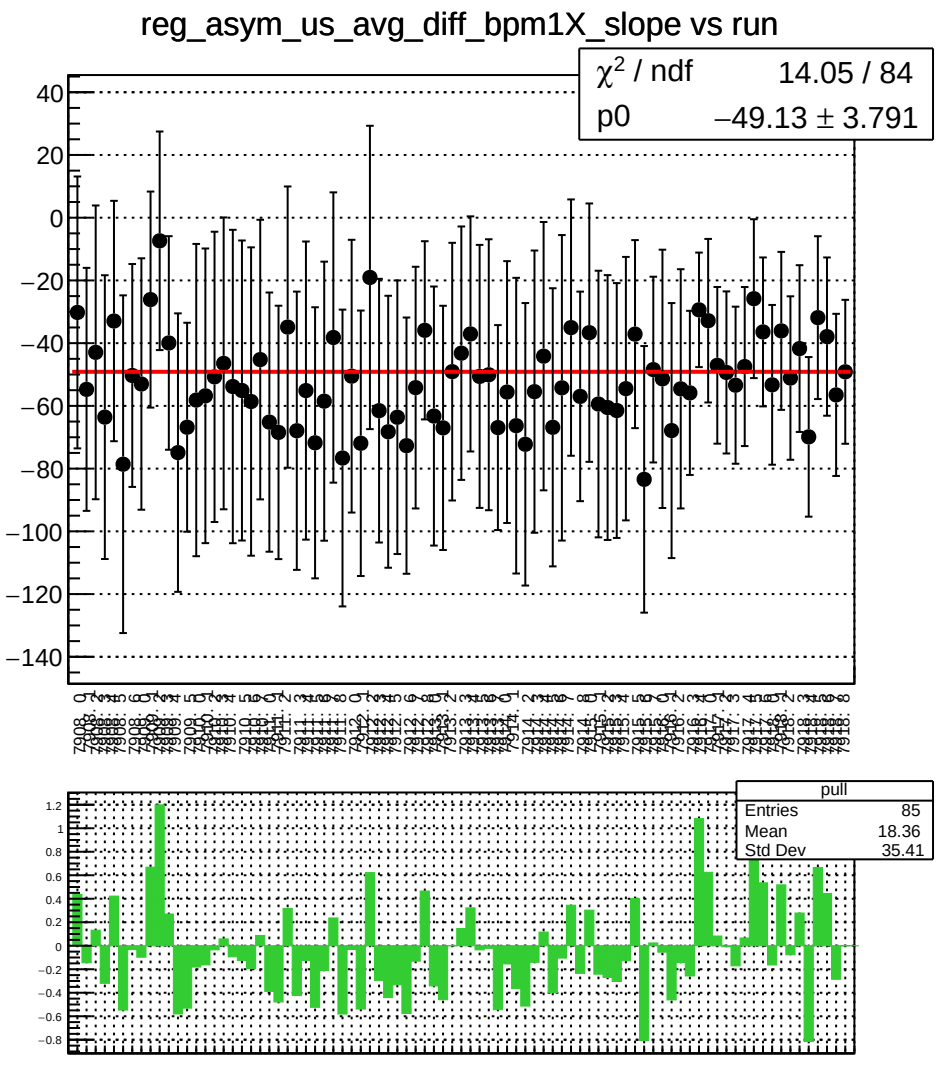

pull1D
Entries 85
Mean −0.08966
Std Dev 1.03

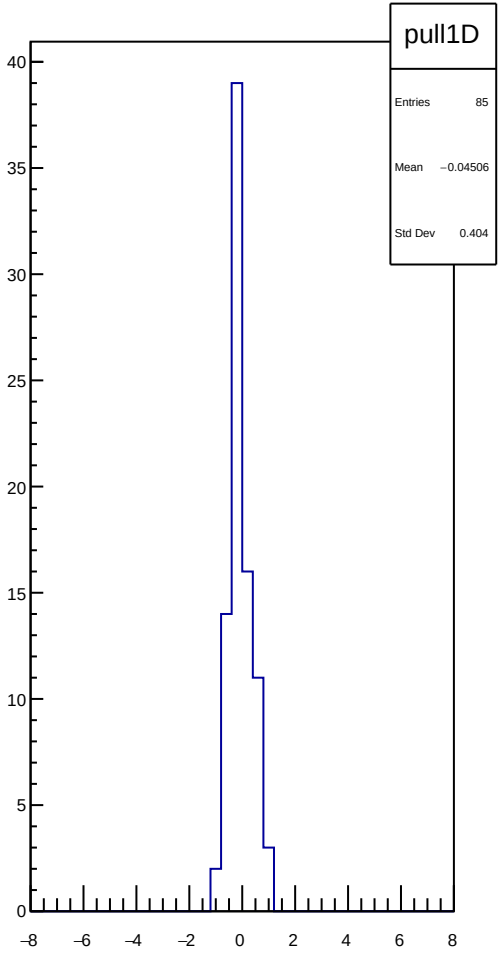

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 68.01 / 83
p0 −421.1± 299.9
pull
Entries 84
Mean 44.11
Std Dev 26.6

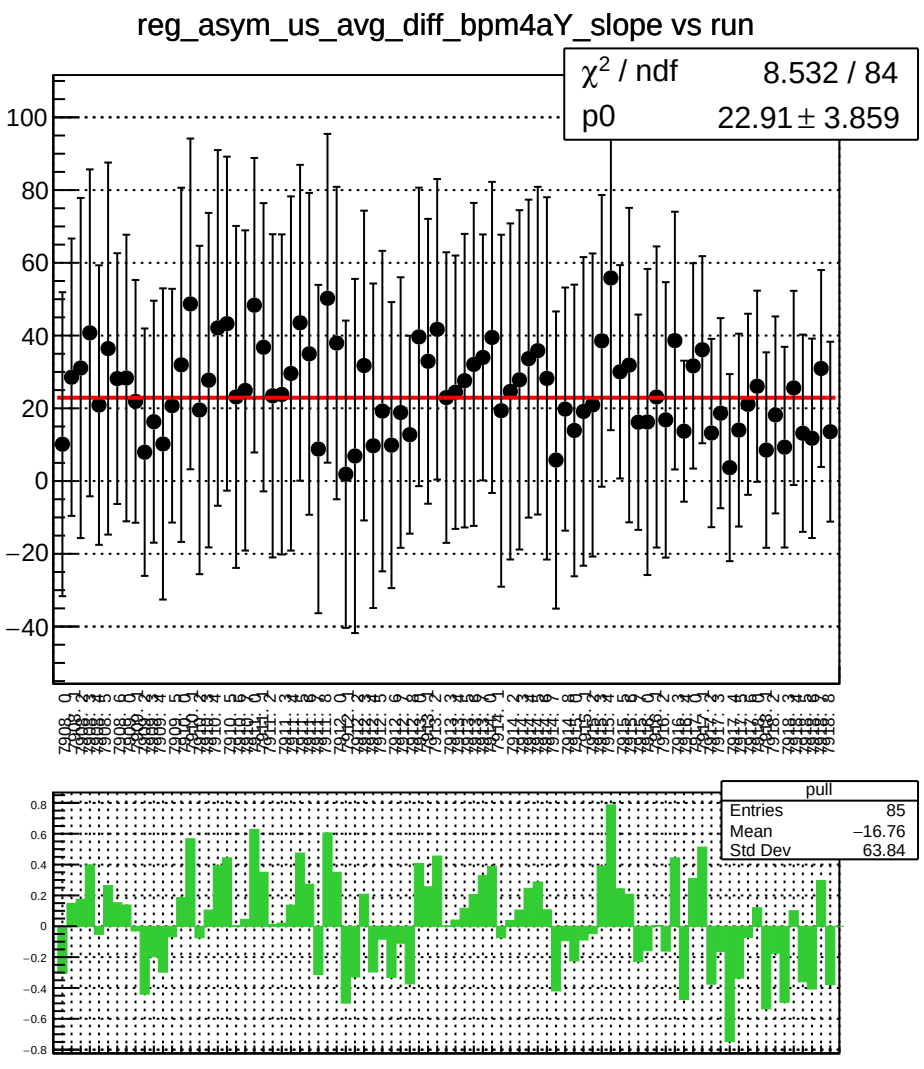

pull1D
Entries 84
Mean 0.1075
Std Dev 0.8933

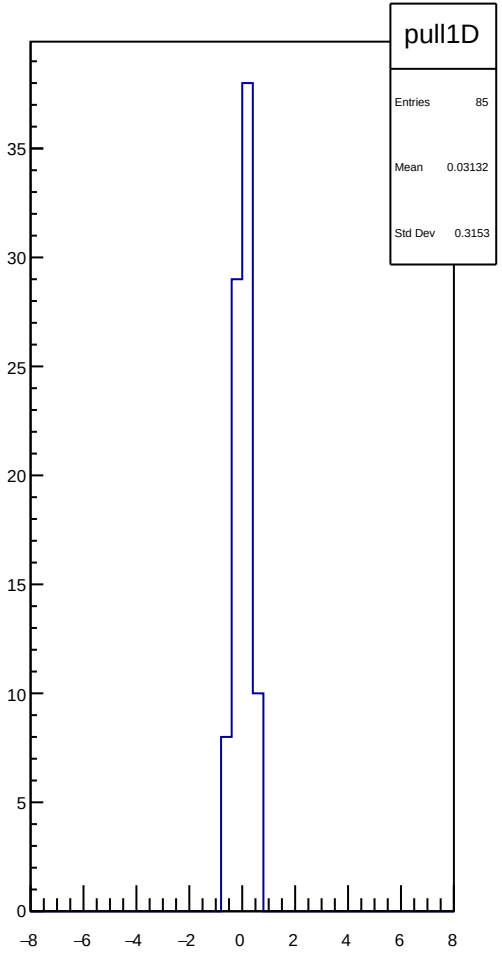

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 93.21 / 84
p0 6.42 ± 9.141
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 61.29
Std Dev 22.27
3
2
1
0
−1
−2

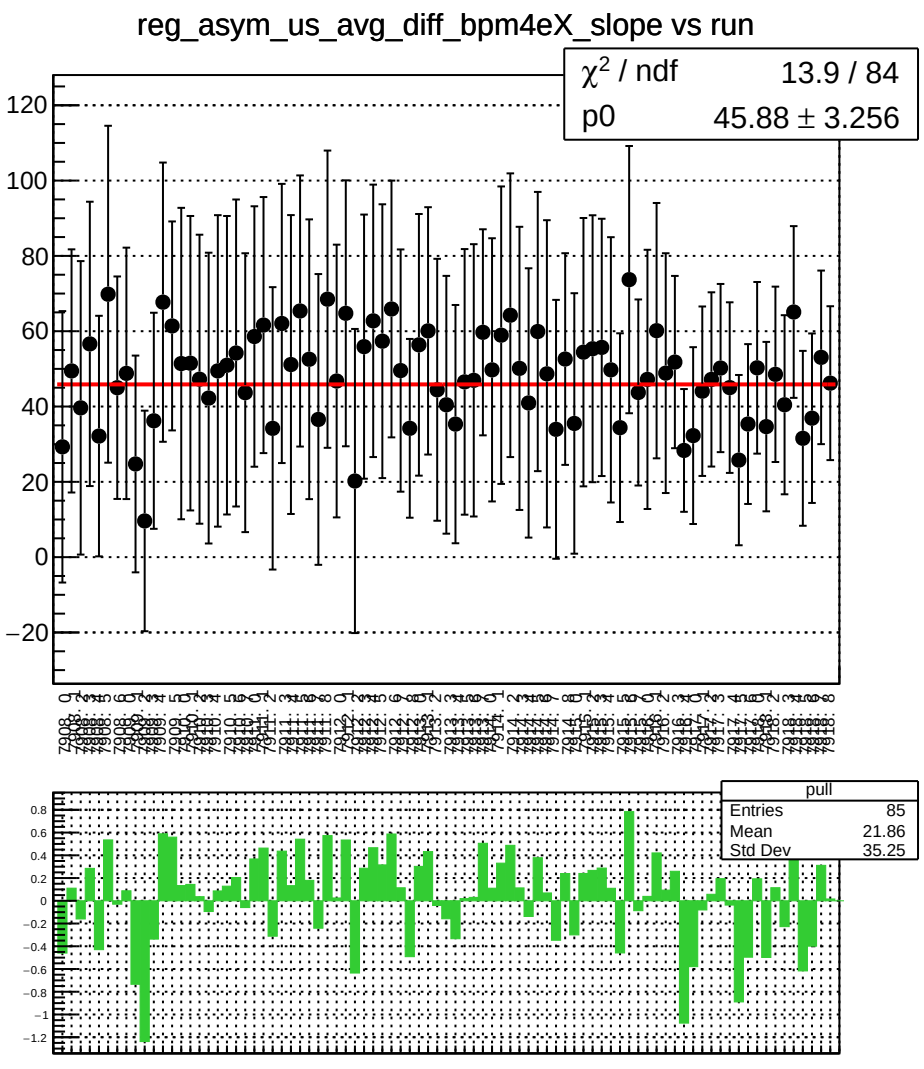

pull1D
Entries 85
Mean 0.1034
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

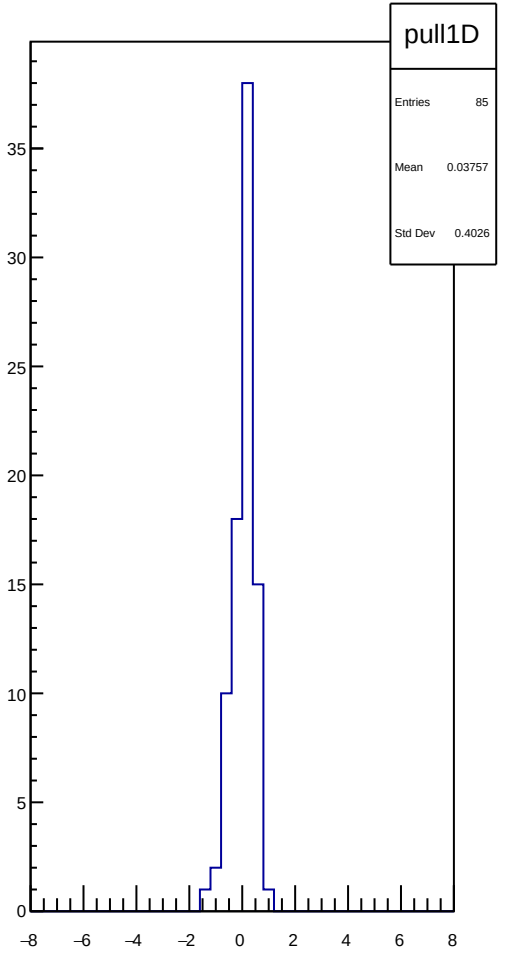

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 14.05 / 84
p0 −49.13 ± 3.791
pull
Entries 85
Mean 18.36
Std Dev 35.41

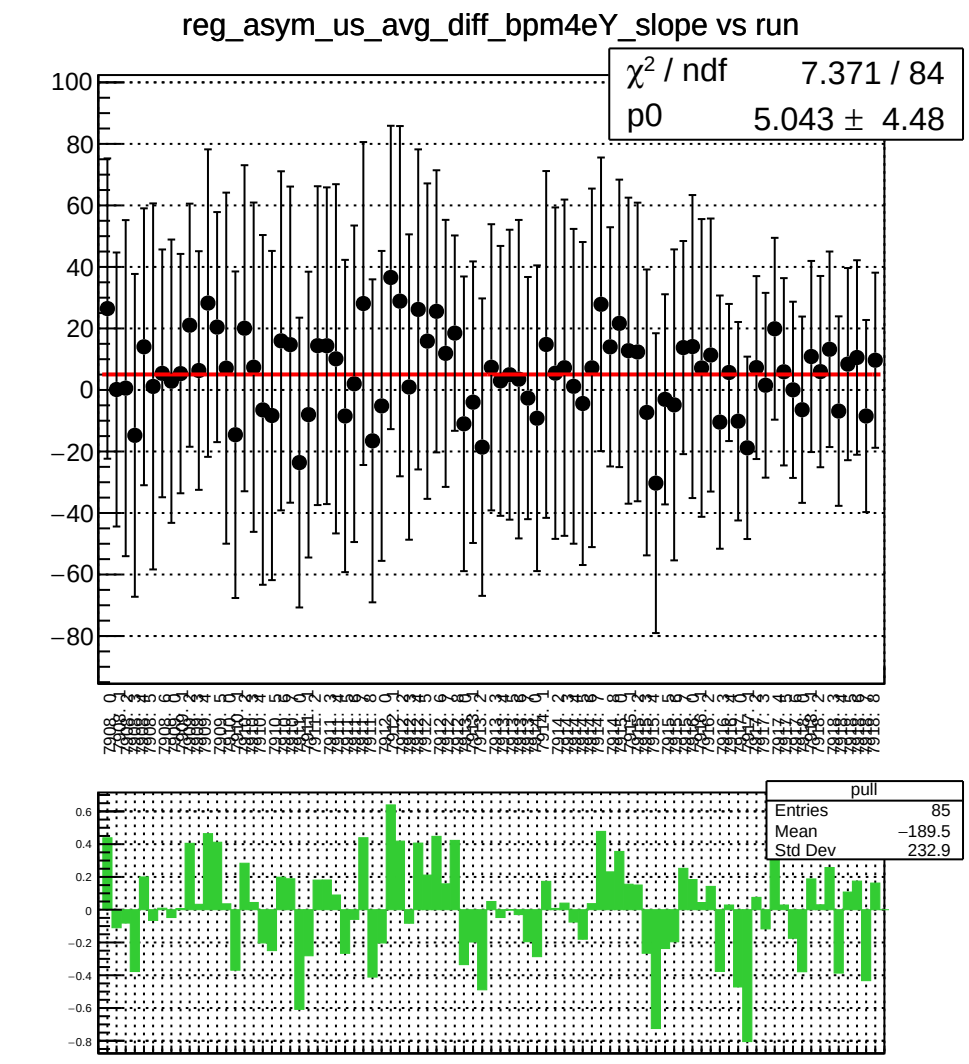

pull1D
Entries 85
Mean −0.04506
Std Dev 0.404

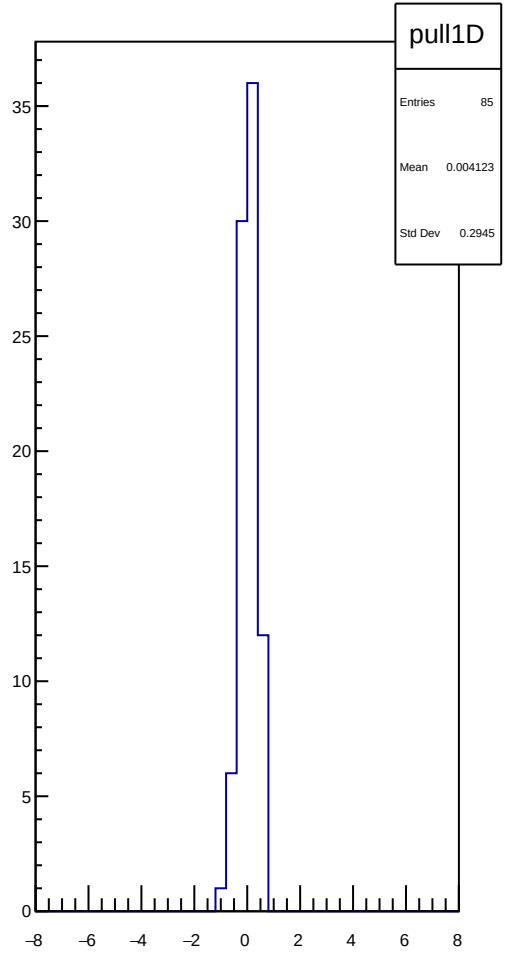

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.532 / 84
p0 22.91 ± 3.859
pull
Entries 85
Mean −16.76
Std Dev 63.84

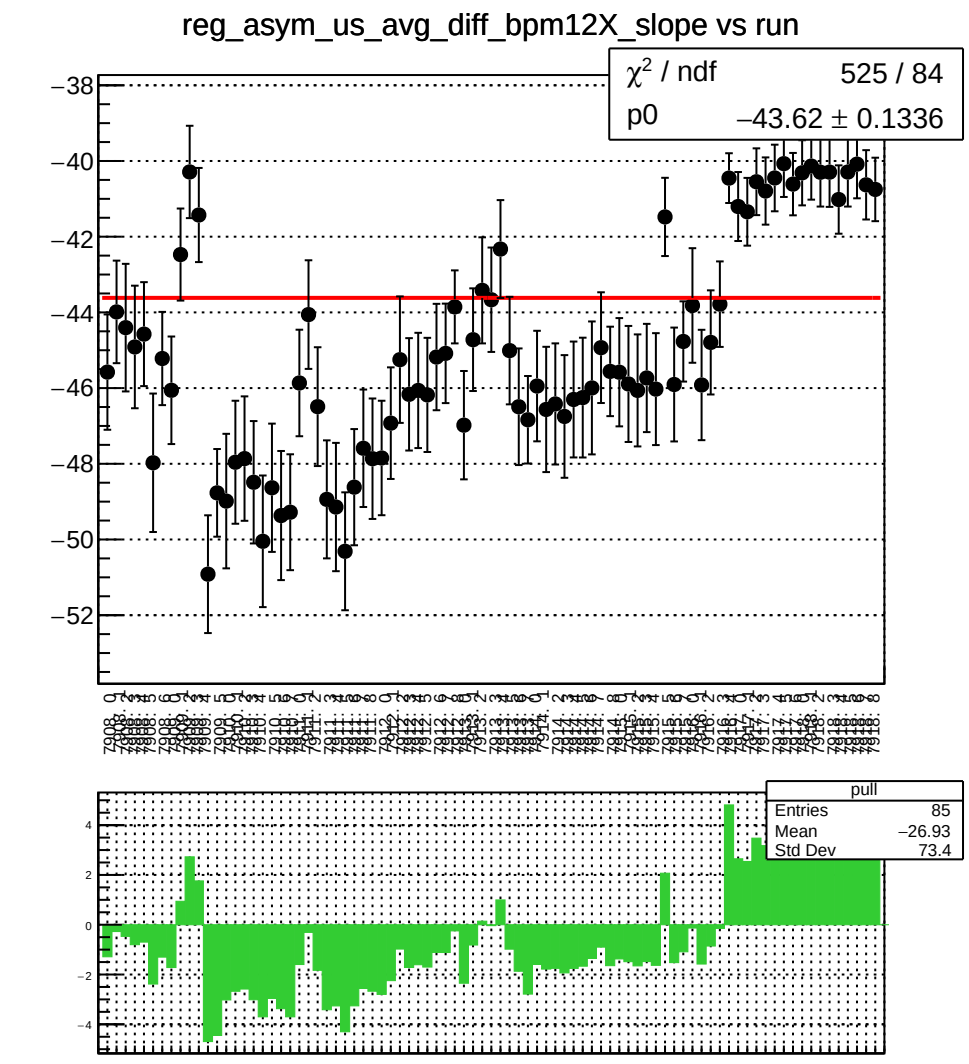

pull1D
Entries 85
Mean 0.03132
Std Dev 0.3153

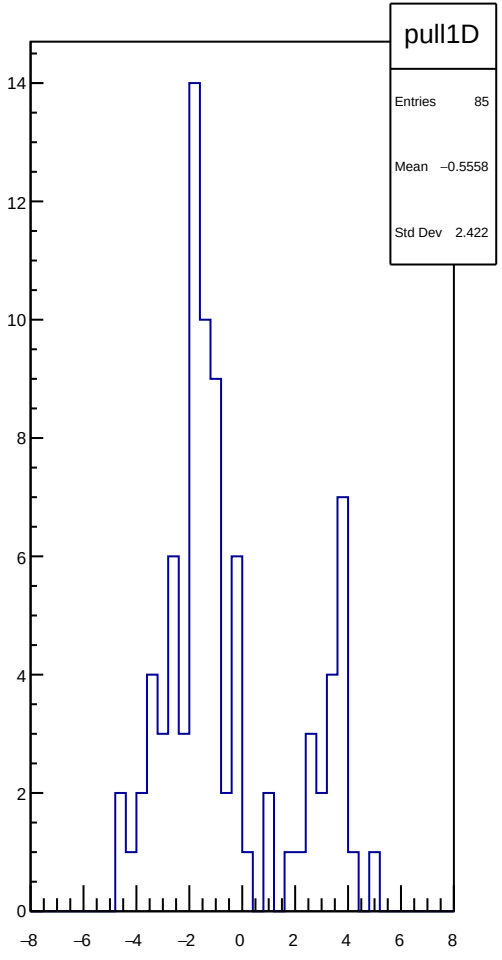

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.9 / 84
p0 45.88 ± 3.256
pull
Entries 85
Mean 21.86
Std Dev 35.25

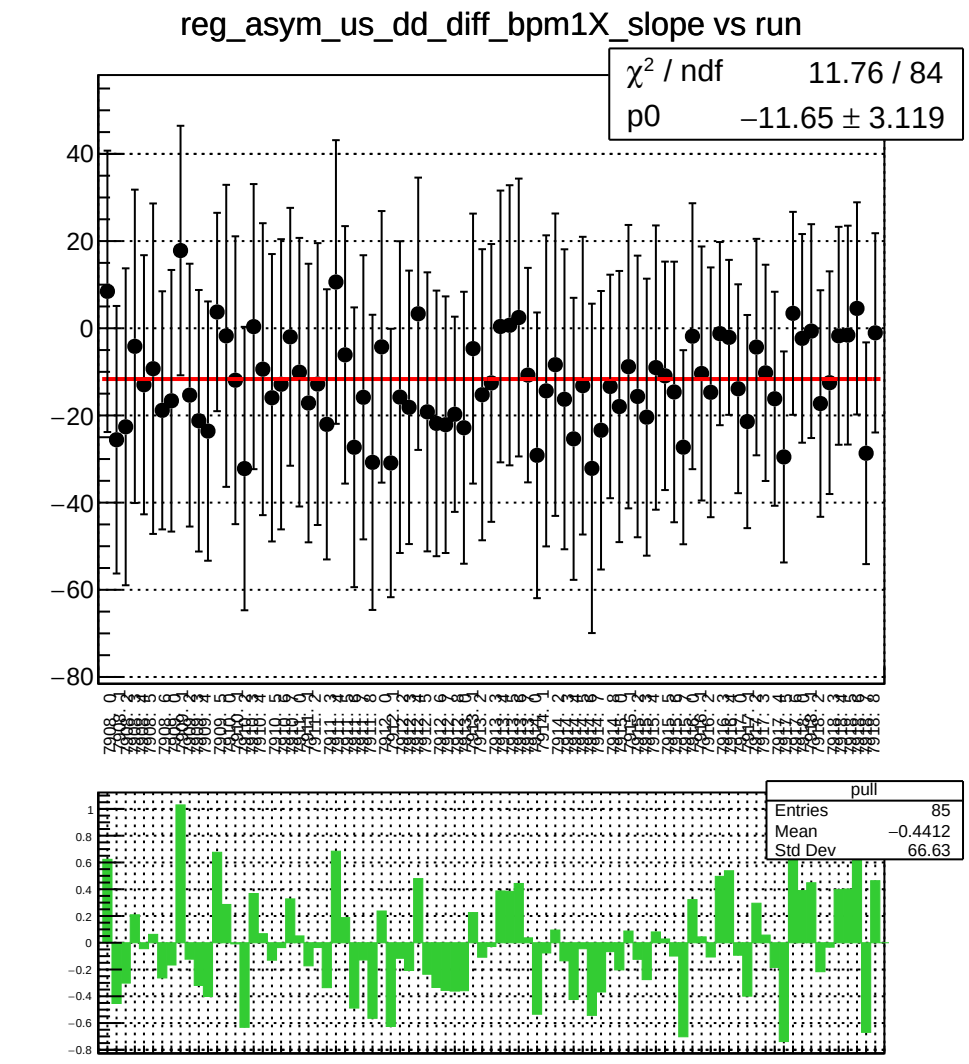

pull1D
Entries 85
Mean 0.03757
Std Dev 0.4026

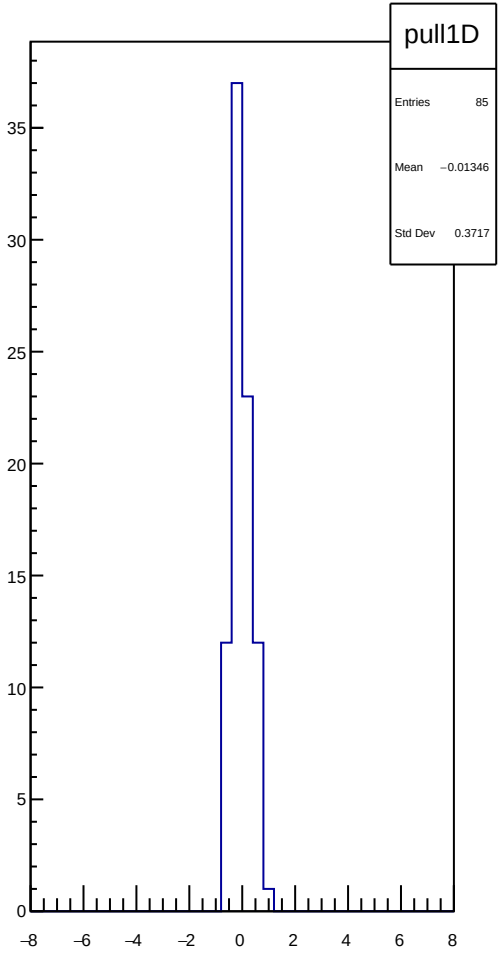

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.371 / 84
p0 5.043 ± 4.48
pull
Entries 85
Mean −189.5
Std Dev 232.9

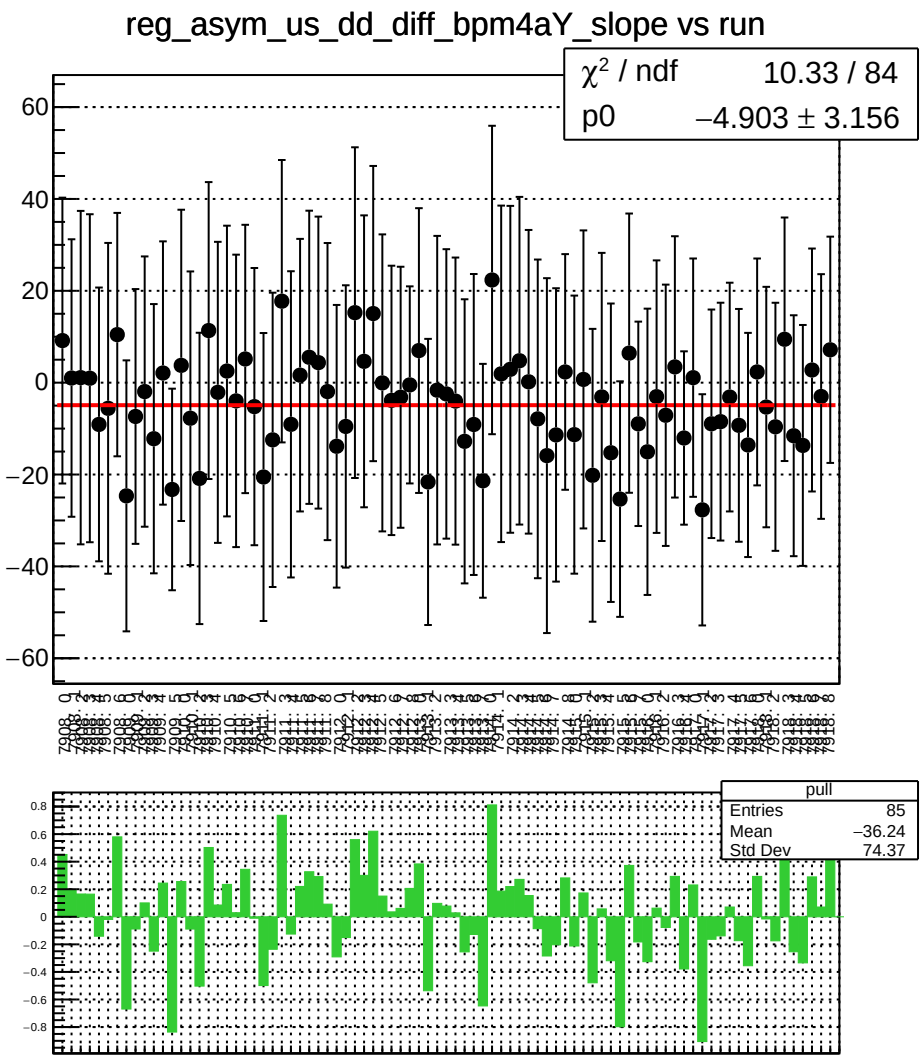

pull1D
Entries 85
Mean 0.004123
Std Dev 0.2945

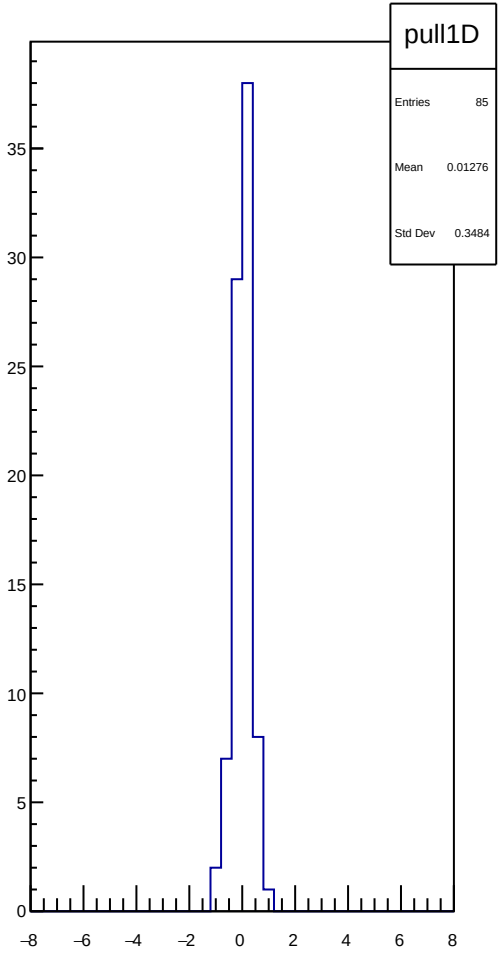

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 525 / 84
p0 −43.62 ± 0.1336
pull
Entries 85
Mean −26.93
Std Dev 73.4

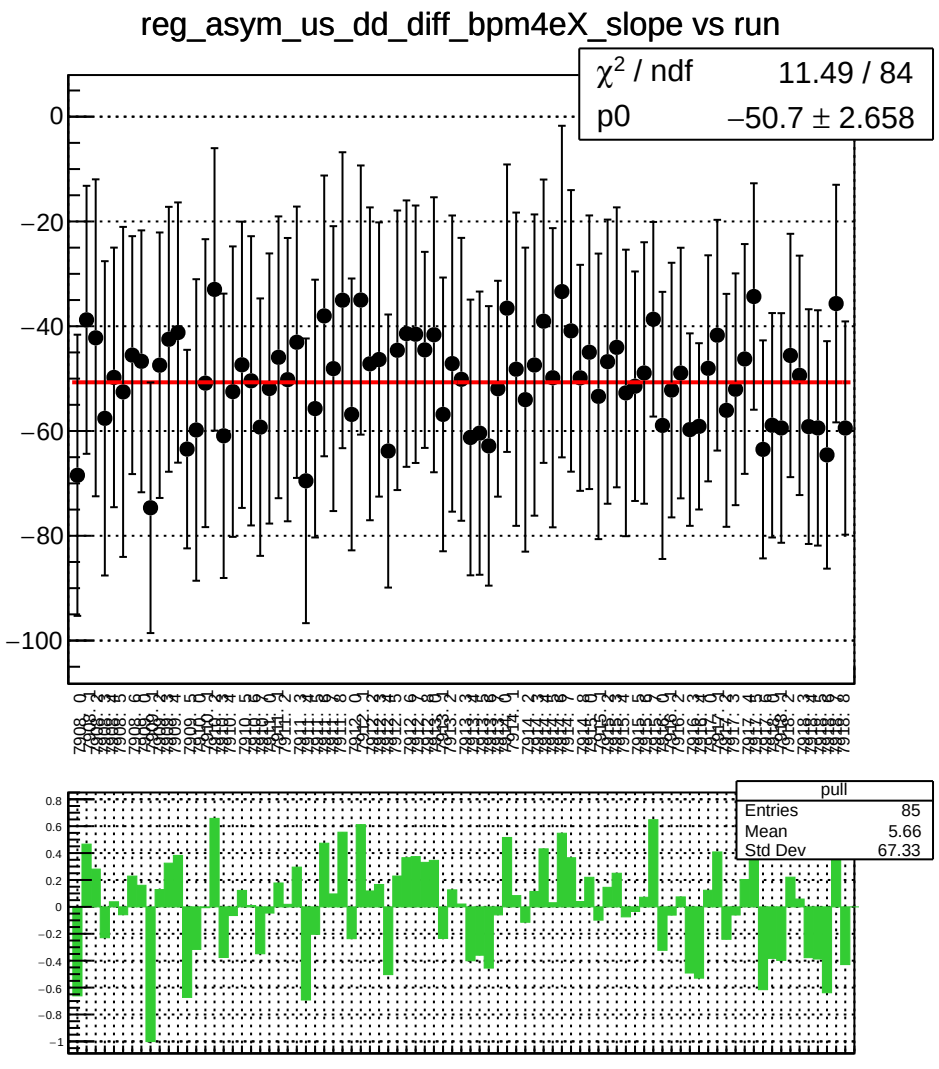

pull1D
Entries 85
Mean −0.5558
Std Dev 2.422

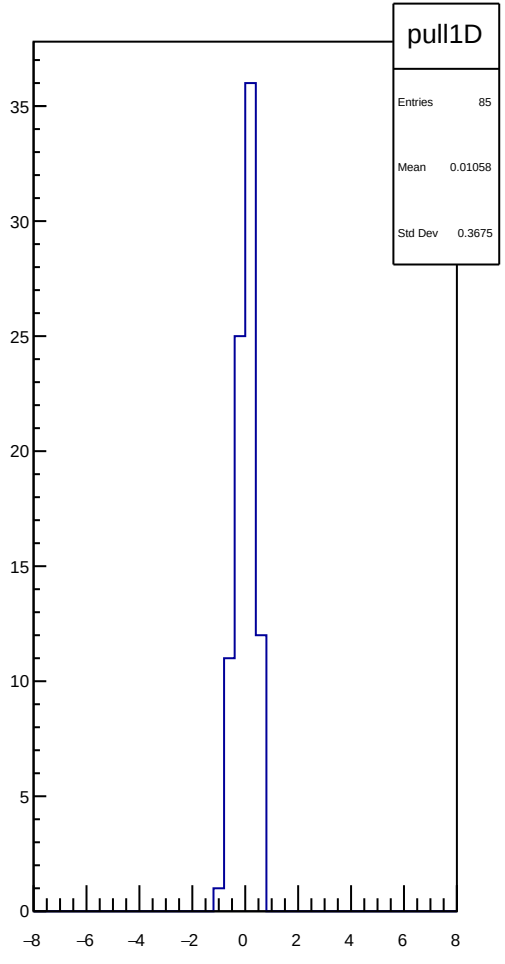

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 11.76 / 84
p0 −11.65 ± 3.119
pull
Entries 85
Mean −0.4412
Std Dev 66.63

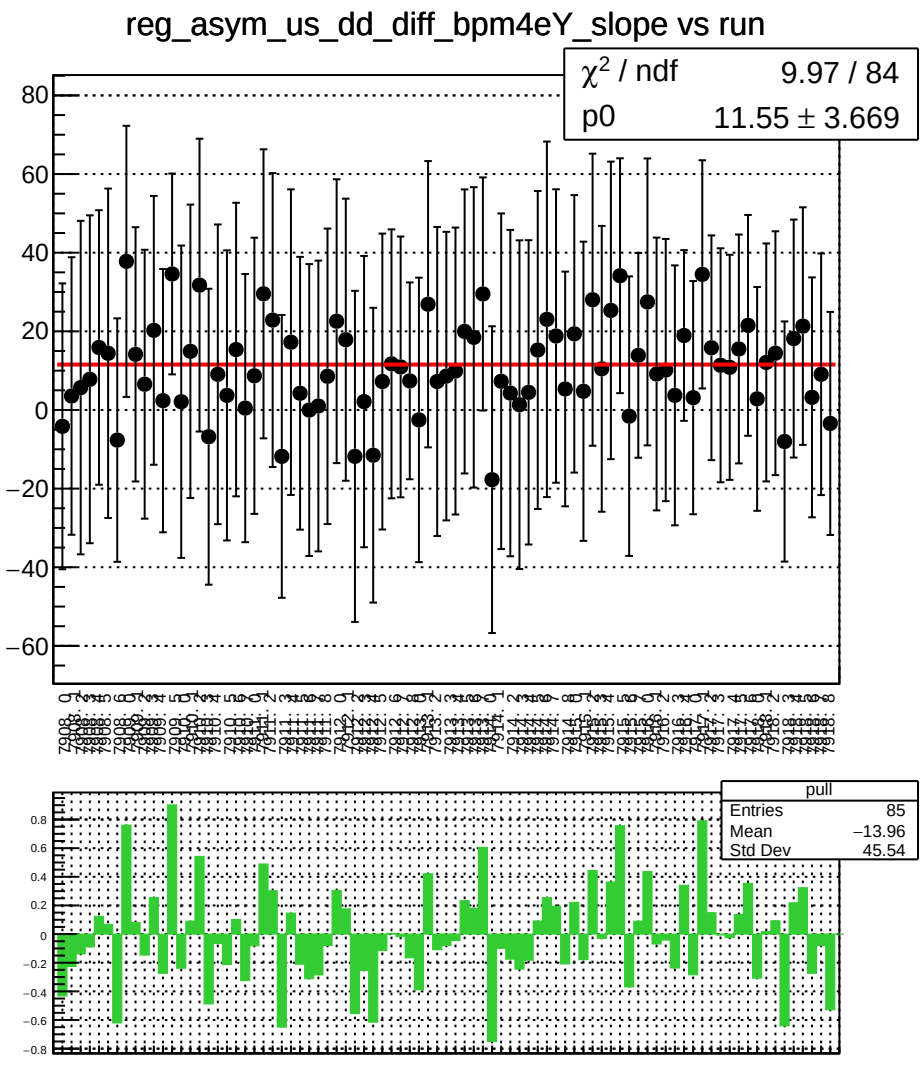

pull1D
Entries 85
Mean −0.01346
Std Dev 0.3717

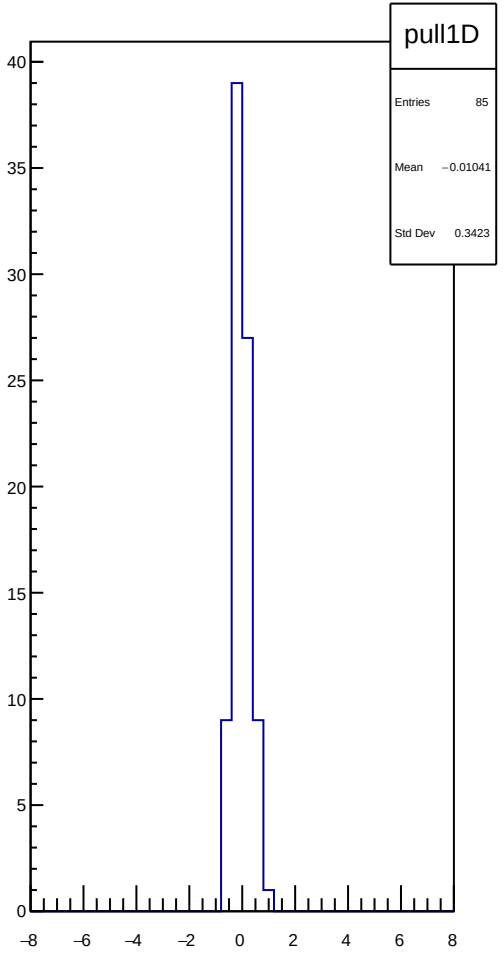

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.33 / 84
p0 −4.903 ± 3.156
pull
Entries 85
Mean −36.24
Std Dev 74.37

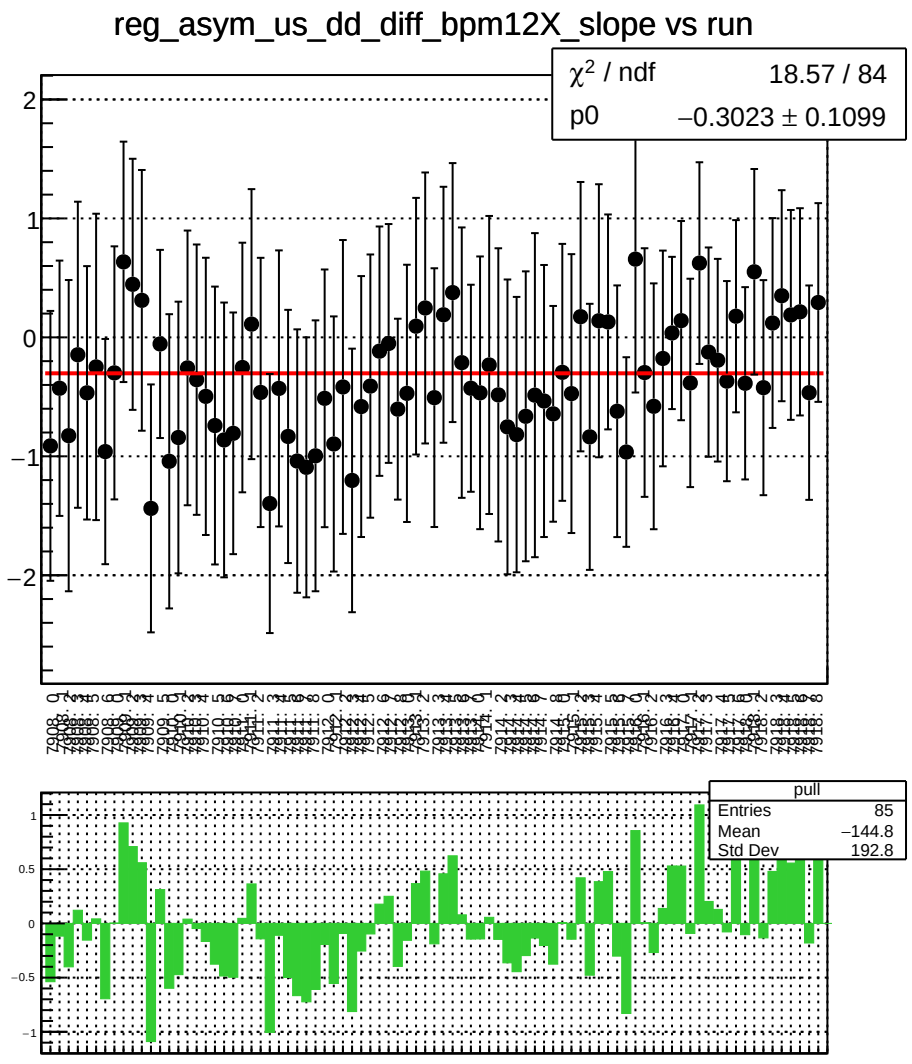

pull1D
Entries 85
Mean 0.01276
Std Dev 0.3484

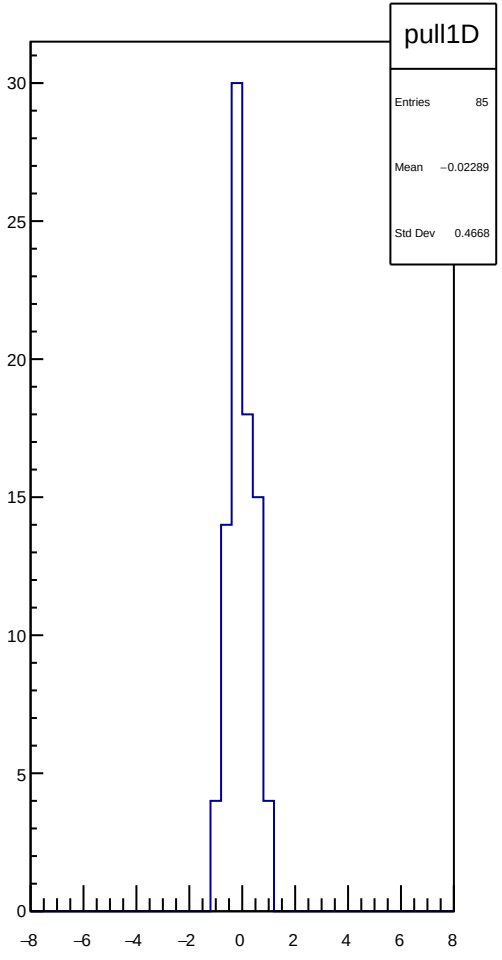

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.49 / 84
p0 −50.7 ± 2.658
pull
Entries 85
Mean 5.66
Std Dev 67.33

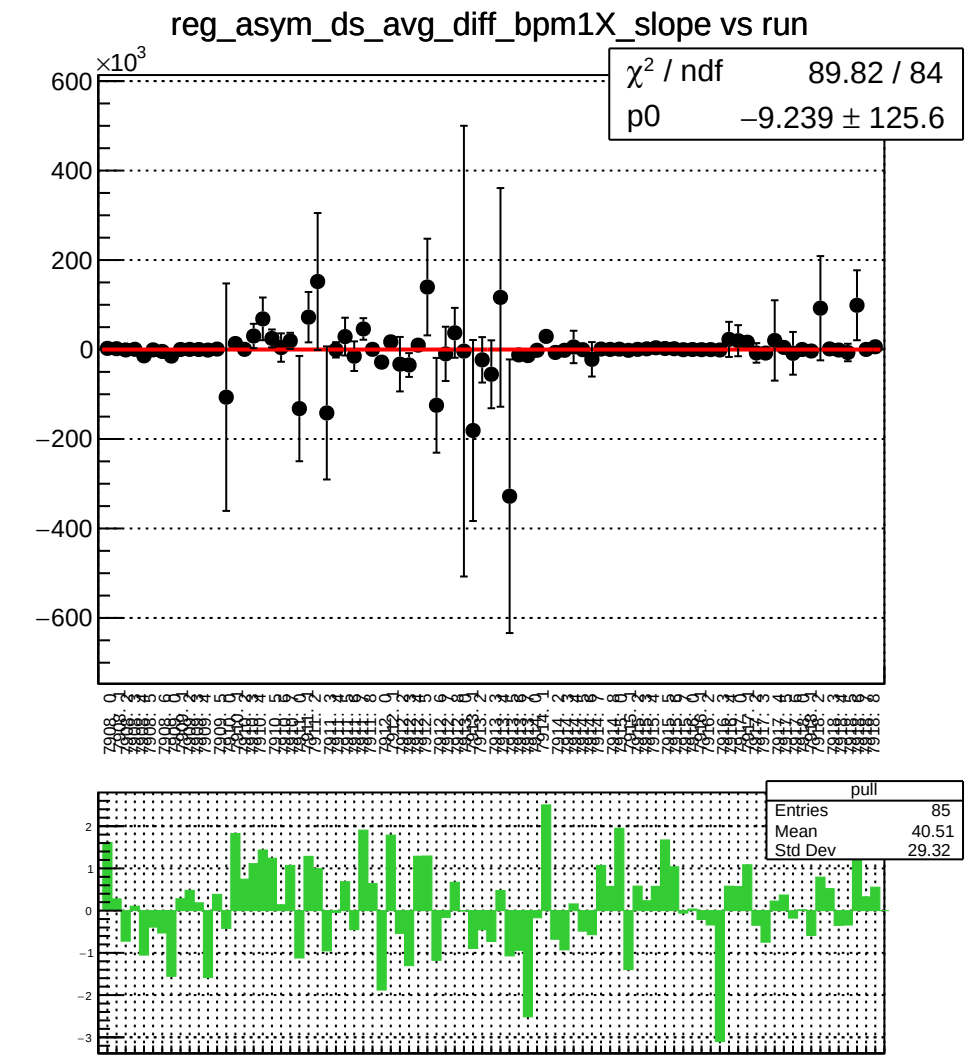

pull1D
Entries 85
Mean 0.01058
Std Dev 0.3675

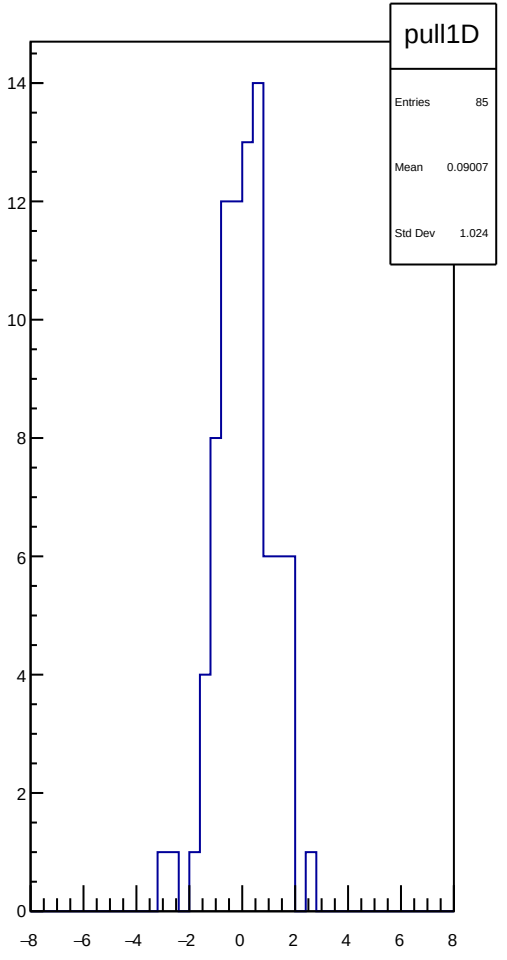

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.97 / 84
p0 11.55 ± 3.669
pull
Entries 85
Mean −13.96
Std Dev 45.54

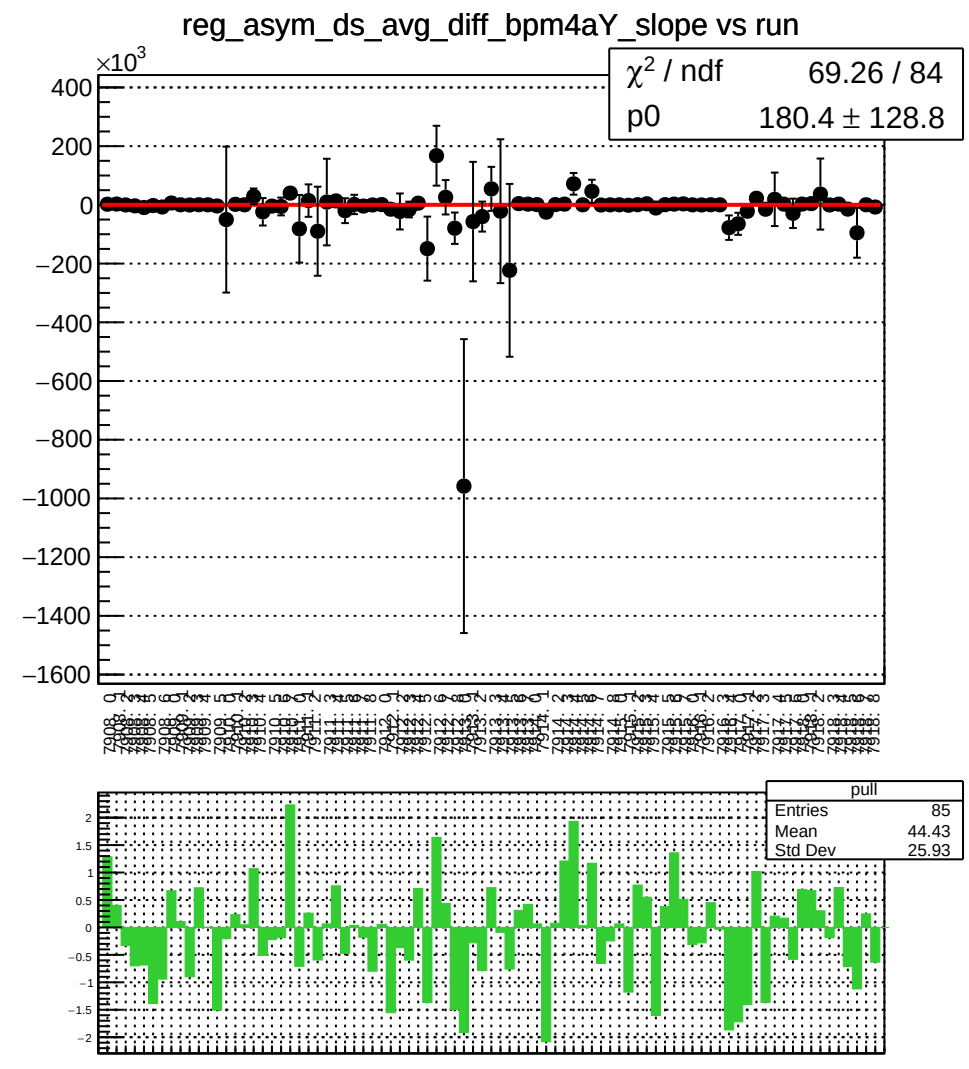

pull1D
Entries 85
Mean −0.01041
Std Dev 0.3423

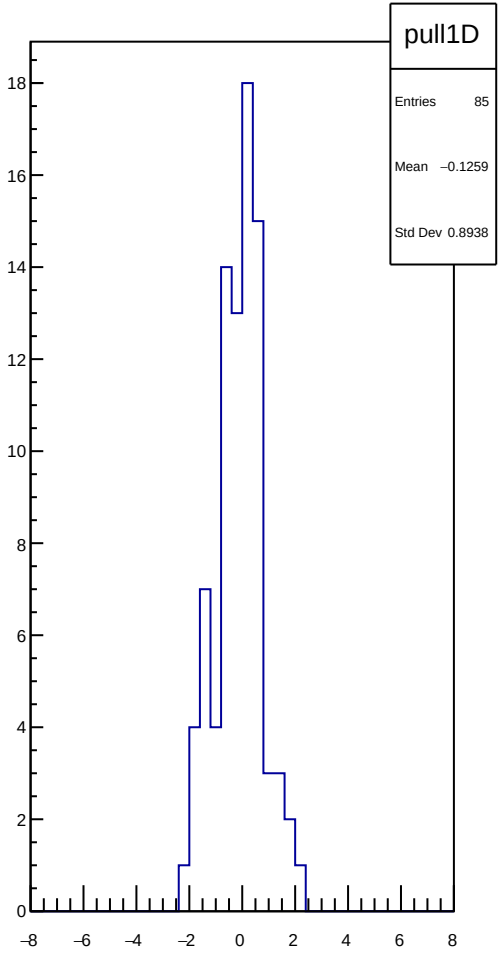

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 18.57 / 84
p0 −0.3023 ± 0.1099
pull
Entries 85
Mean −144.8
Std Dev 192.8

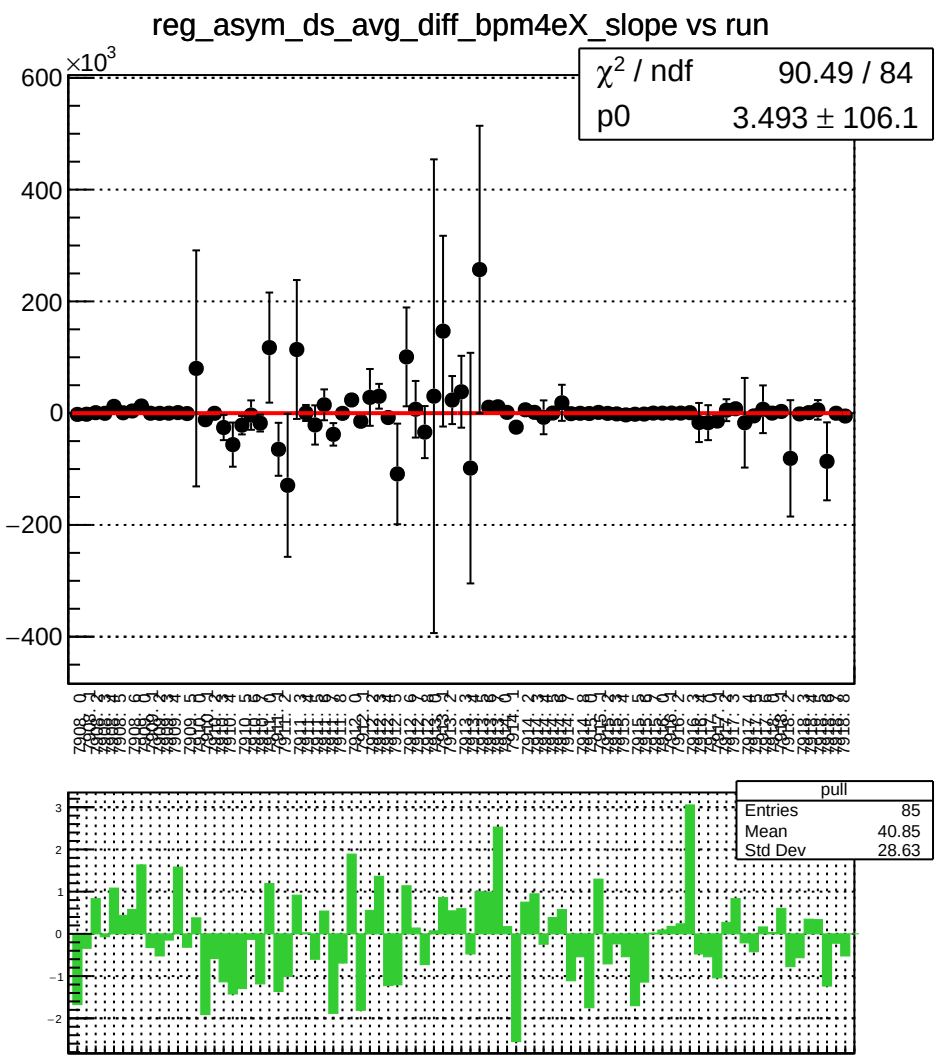

pull1D
Entries 85
Mean −0.02289
Std Dev 0.4668

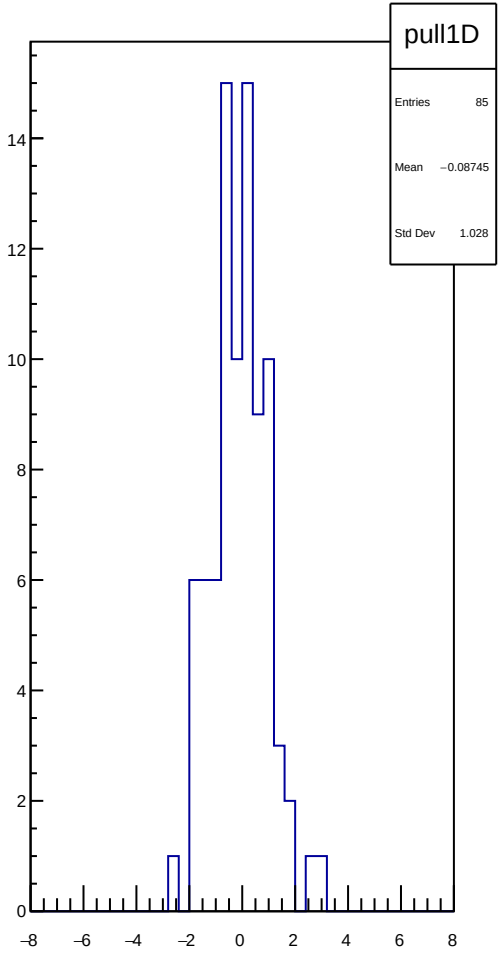

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 89.82 / 84
p0 −9.239 ± 125.6
pull
Entries 85
Mean 40.51
Std Dev 29.32
2
1
0
−1
−2
−3

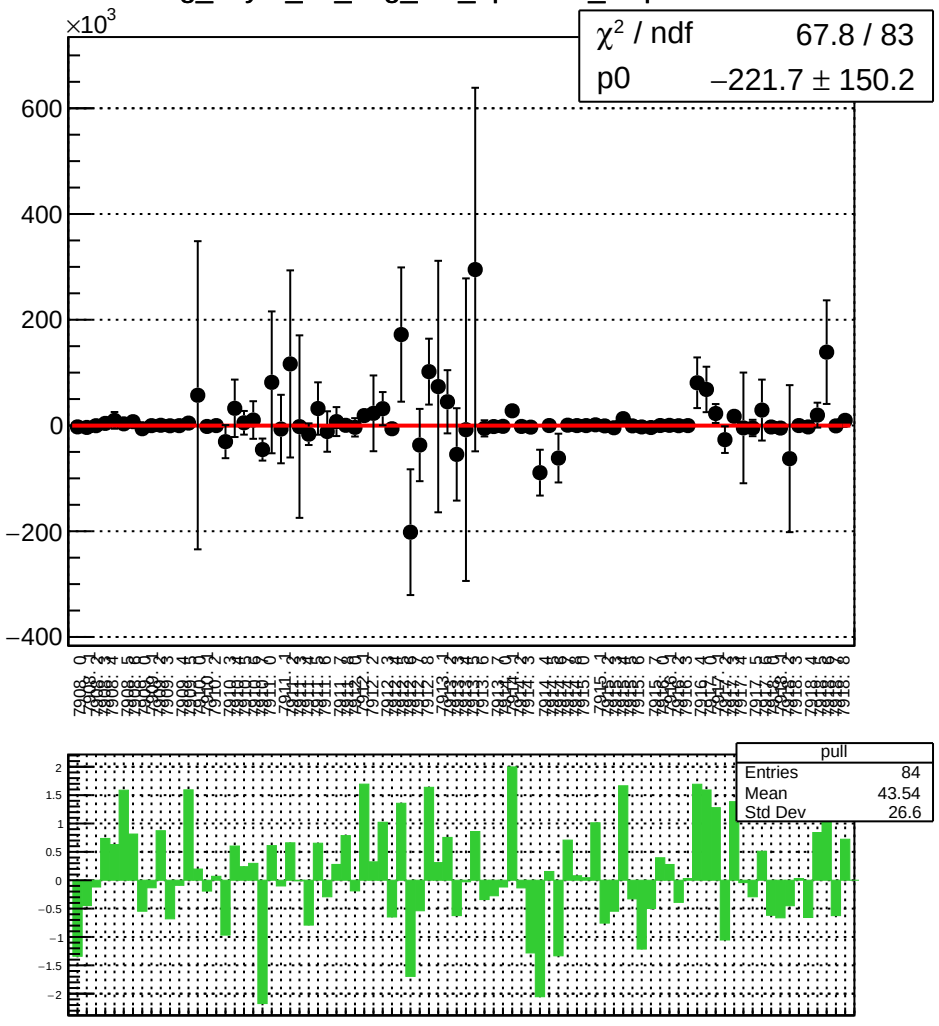

pull1D
Entries 85
Mean 0.09007
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

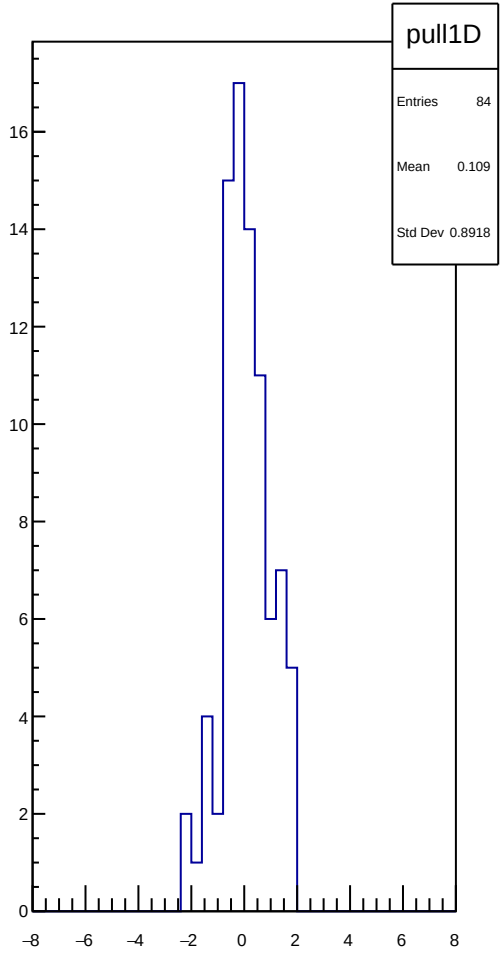

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.26 / 84
p0 180.4 ± 128.8
pull
Entries 85
Mean 44.43
Std Dev 25.93

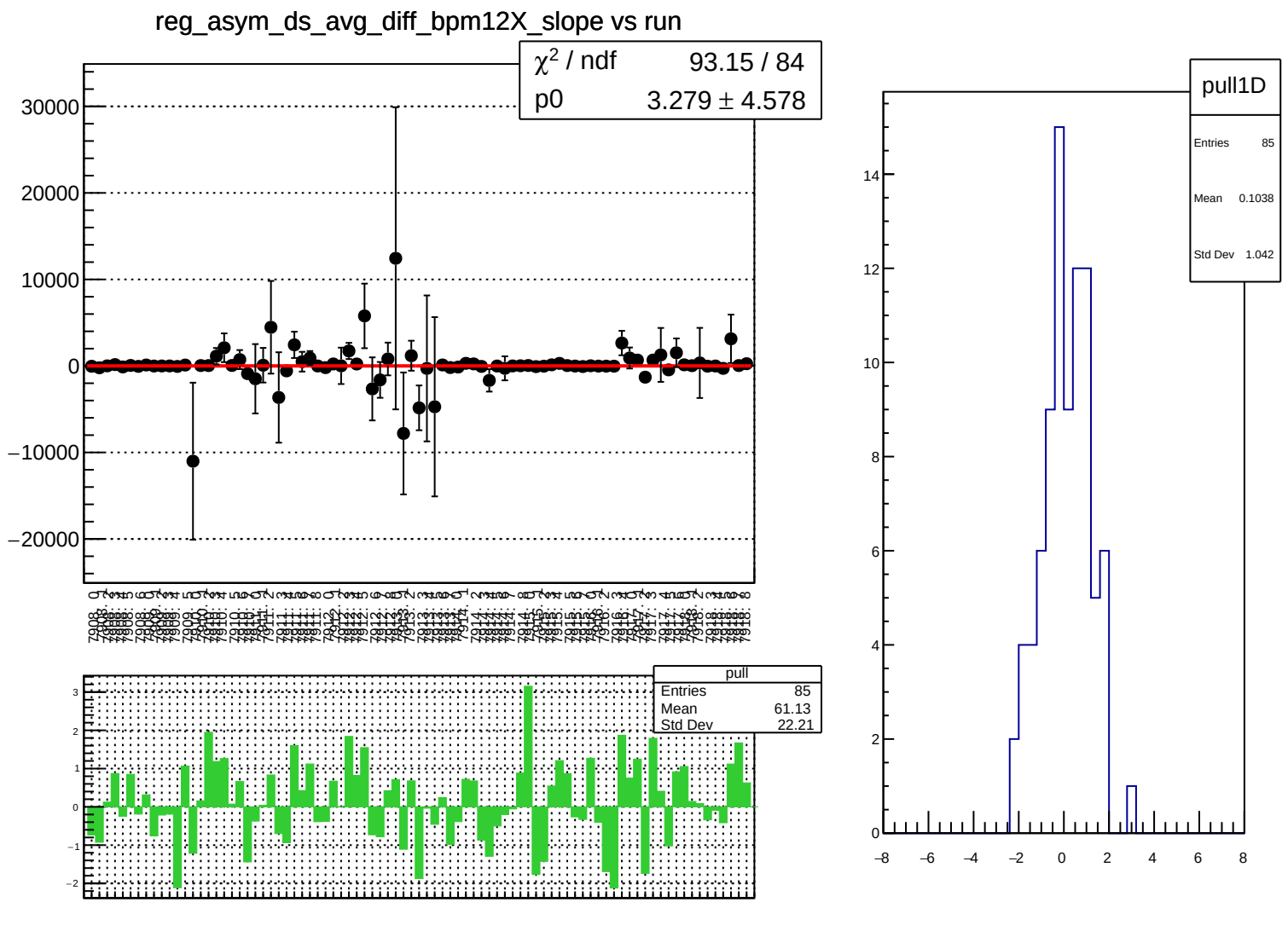

pull1D
Entries 85
Mean −0.1259
Std Dev 0.8938

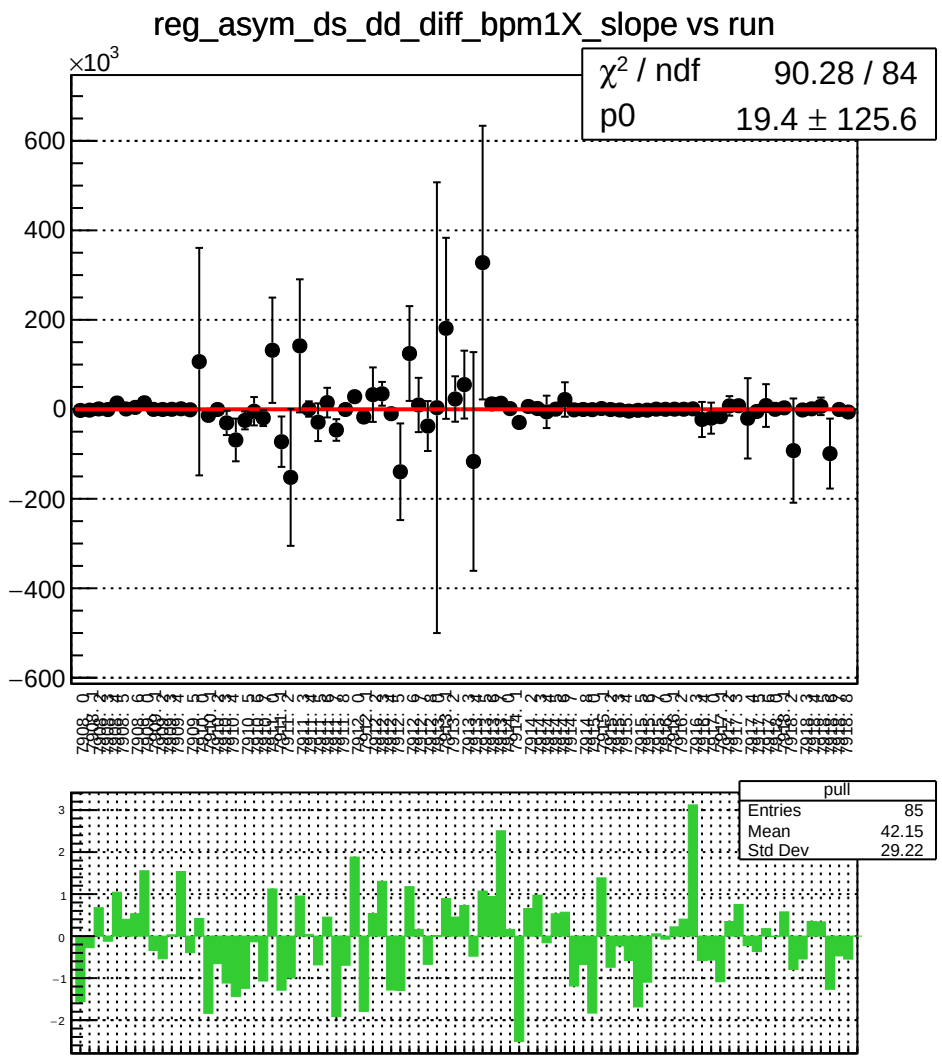

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.49 / 84
p0 3.493 ± 106.1
pull
Entries 85
Mean 40.85
Std Dev 28.63

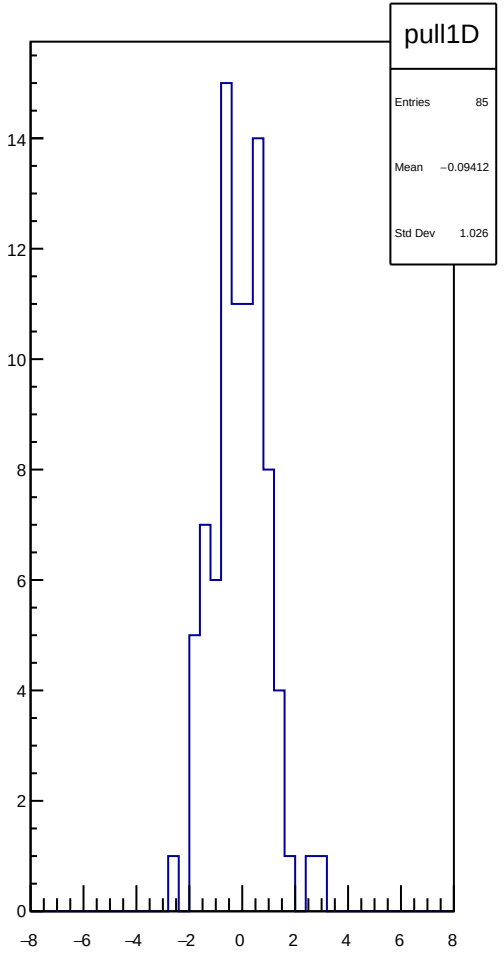

pull1D
Entries 85
Mean −0.08745
Std Dev 1.028

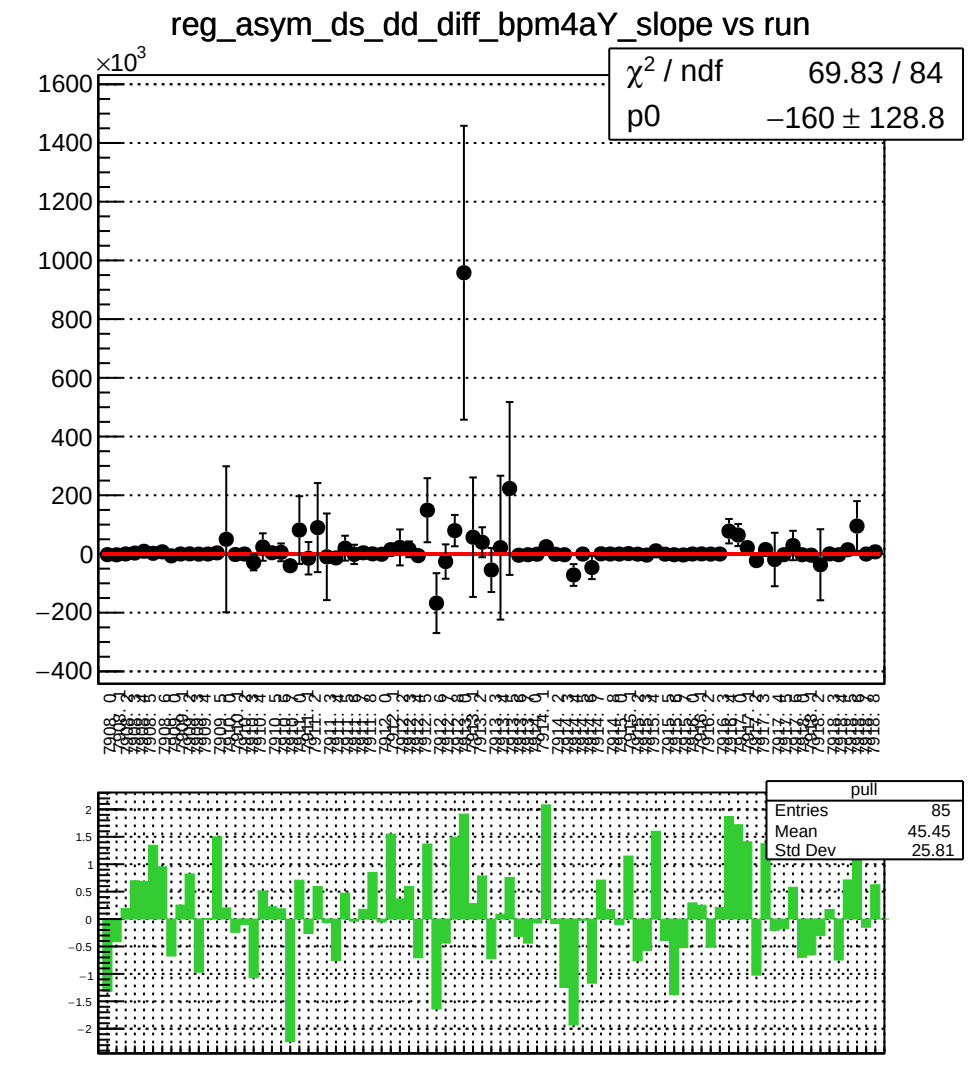

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 67.8 / 83
p0 −221.7 ± 150.2
600
400
200
0
−200
−400
pull
Entries 84
Mean 43.54
Std Dev 26.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

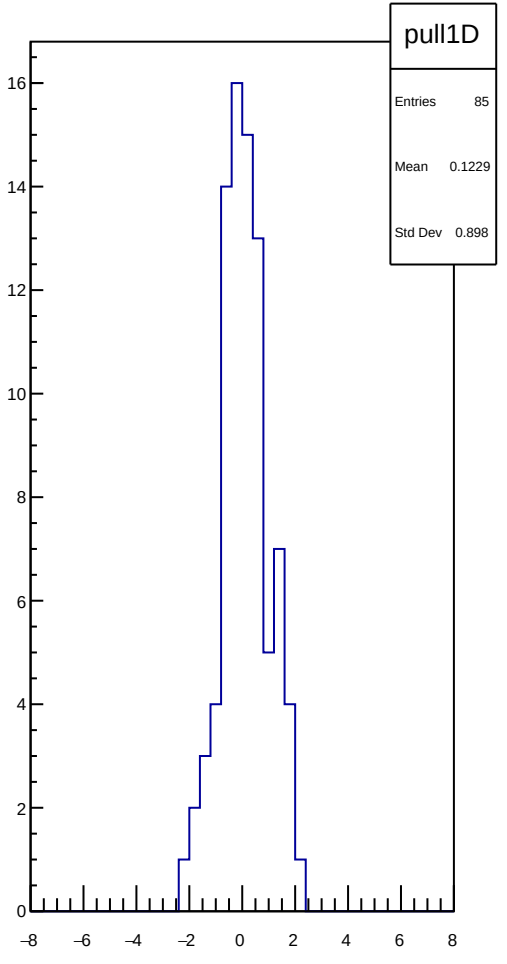

pull1D
Entries 84
Mean 0.109
Std Dev 0.8918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

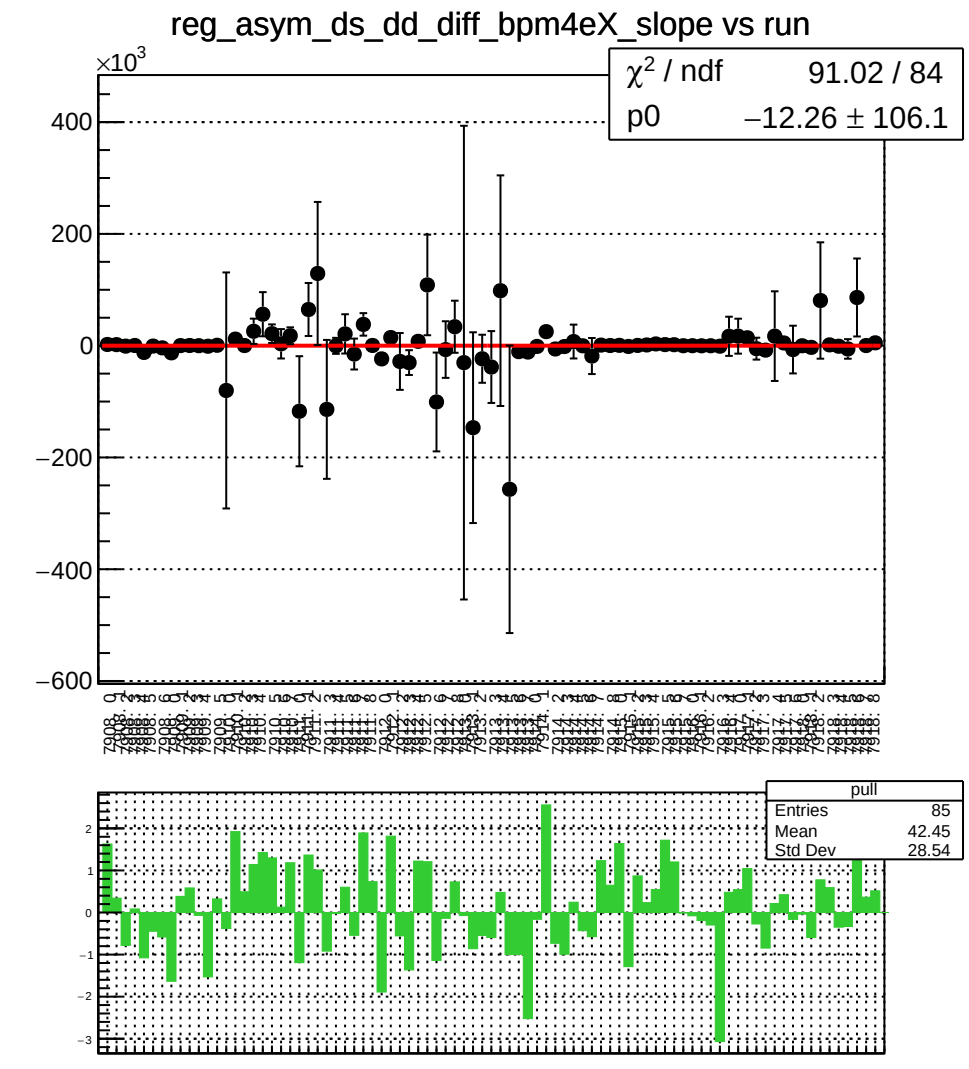

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.15 / 84
p0 3.279 ± 4.578
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 61.13
Std Dev 22.21
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.1038
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

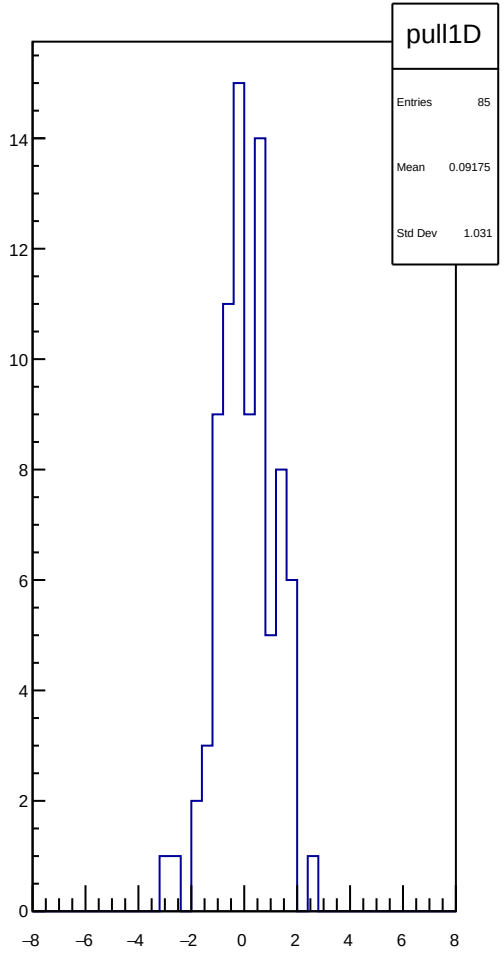

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 90.28 / 84
p0 19.4 ± 125.6
×10³
pull
Entries 85
Mean 42.15
Std Dev 29.22

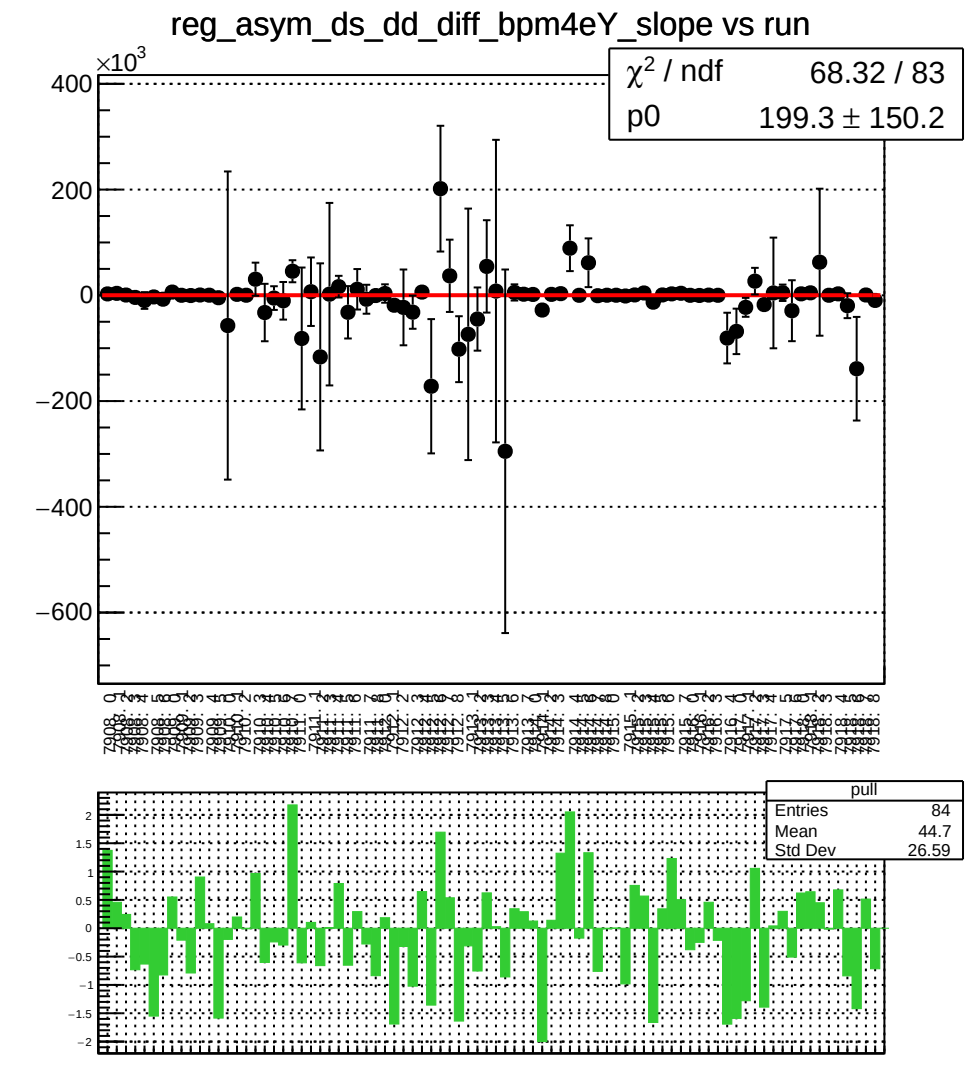

pull1D
Entries 85
Mean −0.09412
Std Dev 1.026

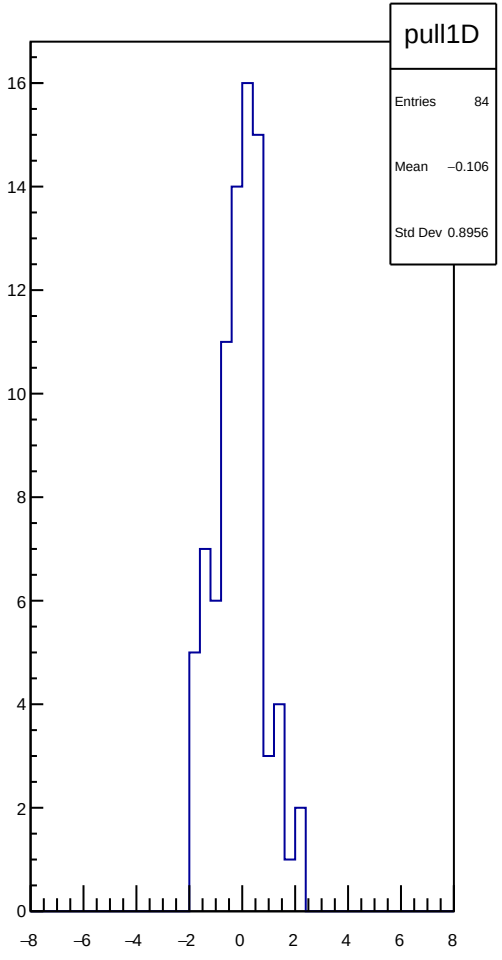

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.83 / 84
p0 −160 ± 128.8
pull
Entries 85
Mean 45.45
Std Dev 25.81

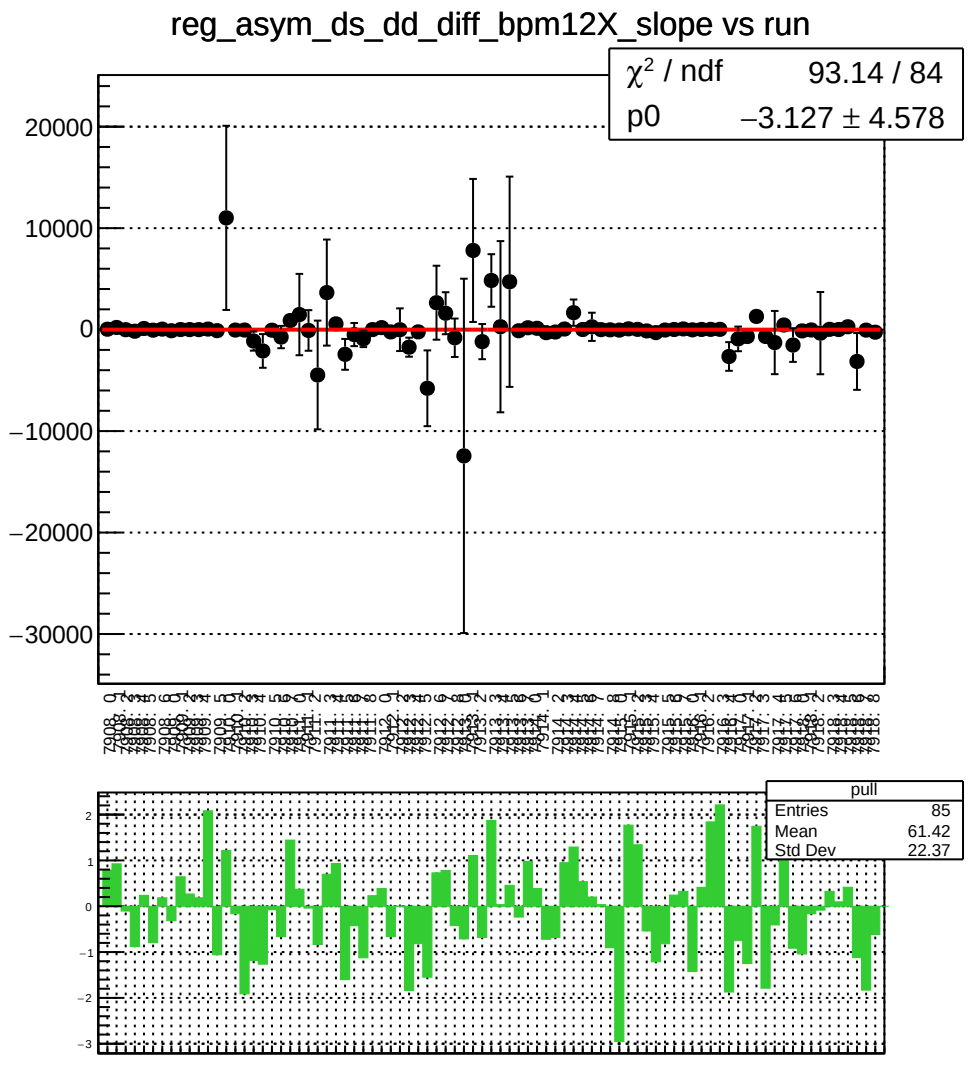

pull1D
Entries 85
Mean 0.1229
Std Dev 0.898

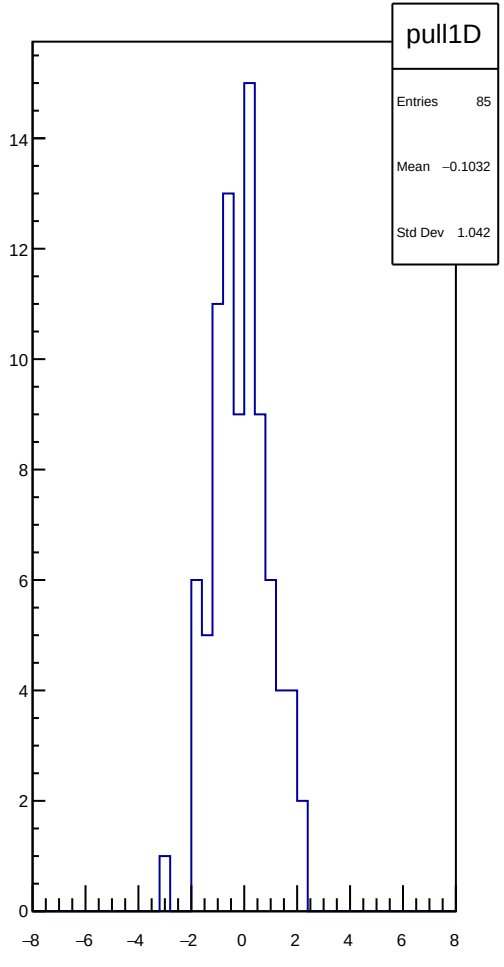

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 91.02 / 84
p0 −12.26 ± 106.1
pull
Entries 85
Mean 42.45
Std Dev 28.54

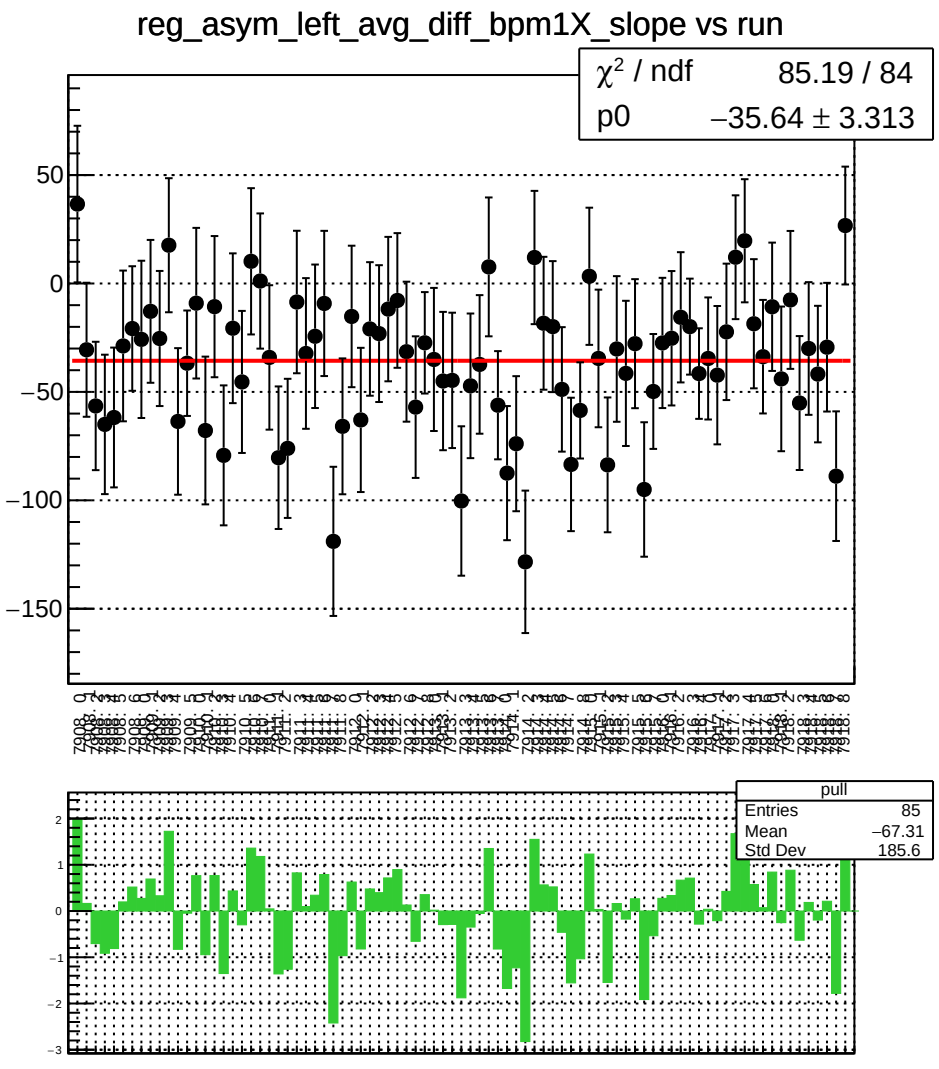

pull1D
Entries 85
Mean 0.09175
Std Dev 1.031

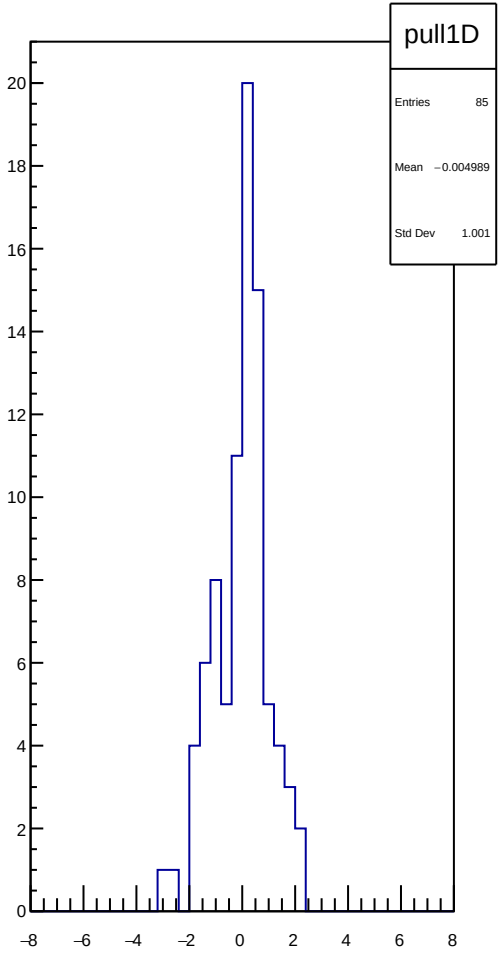

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 68.32 / 83
p0 199.3 ± 150.2
pull
Entries 84
Mean 44.7
Std Dev 26.59

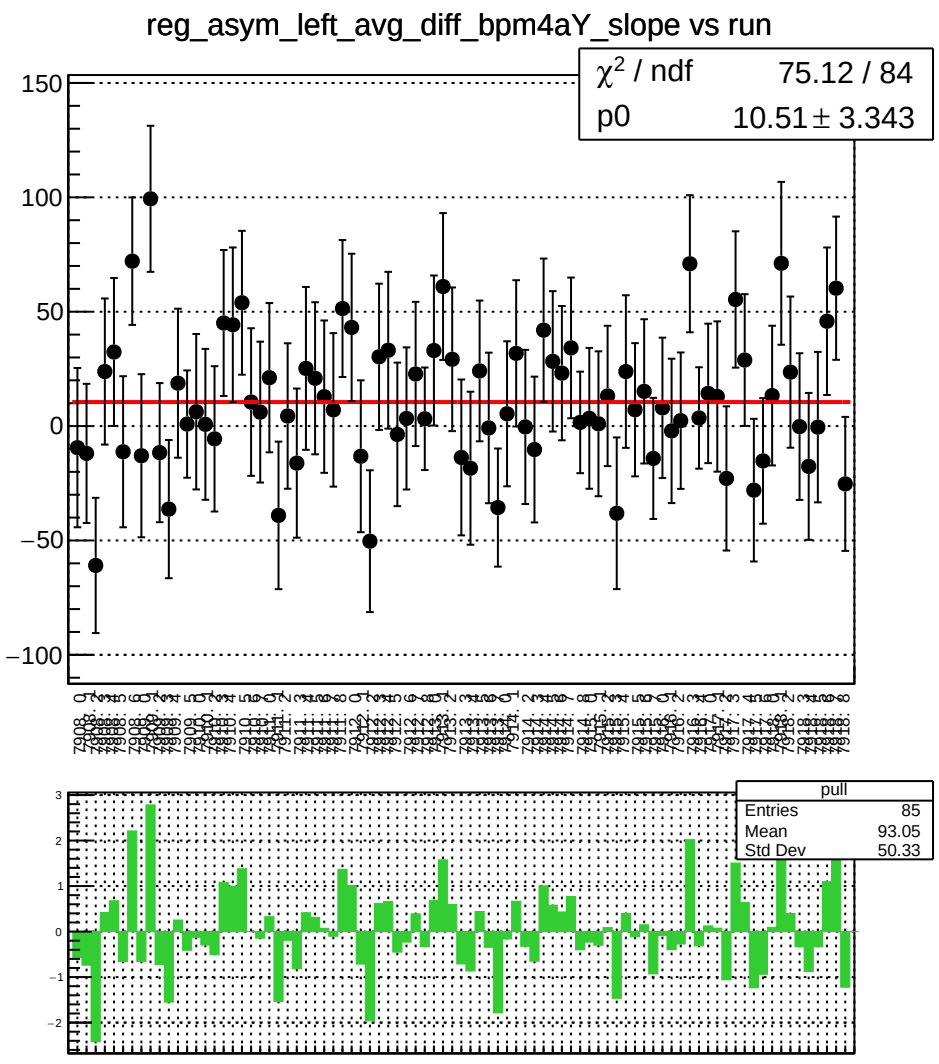

pull1D
Entries 84
Mean −0.106
Std Dev 0.8956

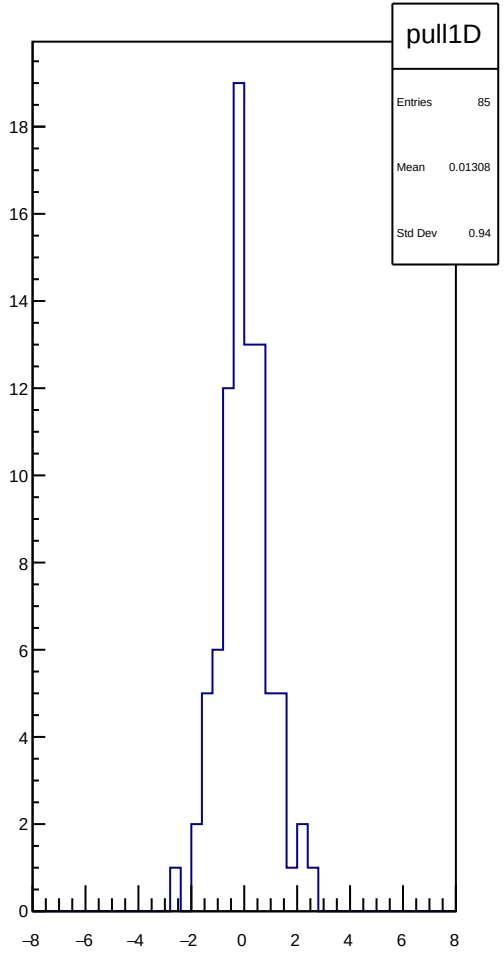

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 93.14 / 84
p0 −3.127 ± 4.578
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 61.42
Std Dev 22.37
2
1
0
−1
−2
−3

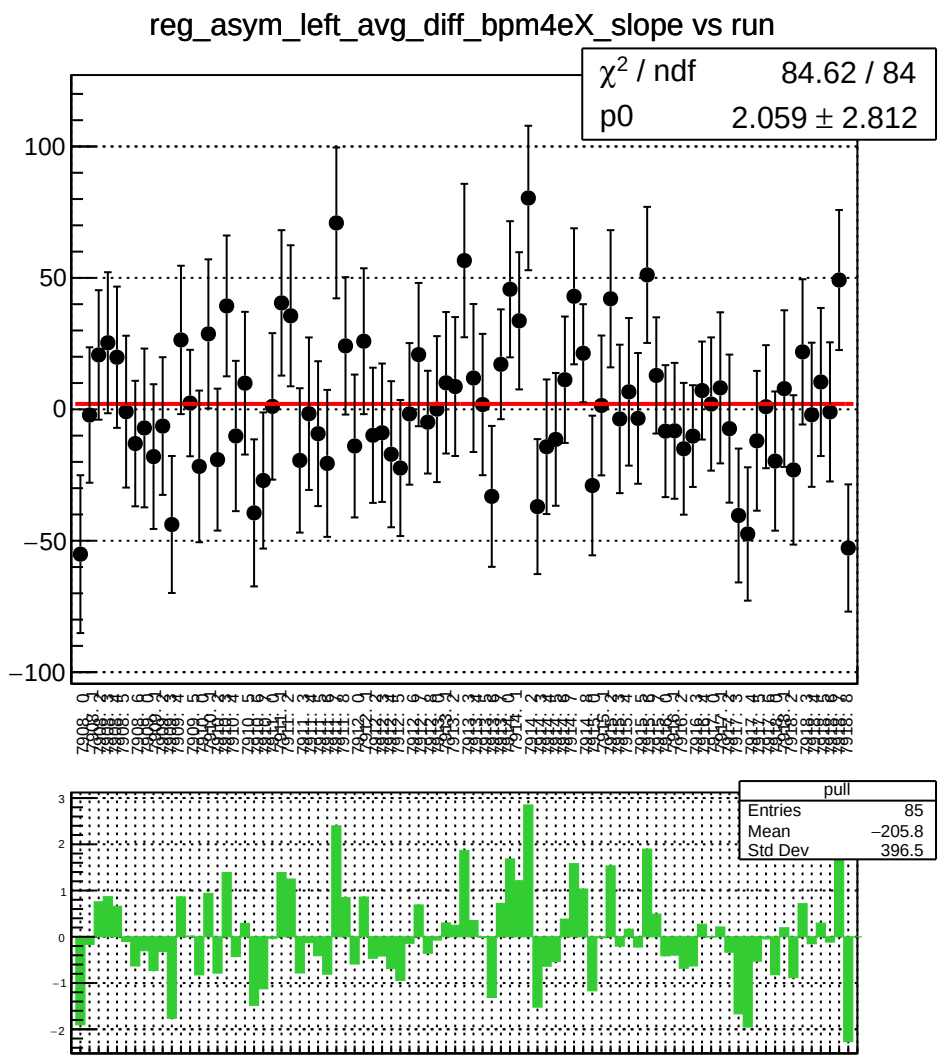

pull1D
Entries 85
Mean −0.1032
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

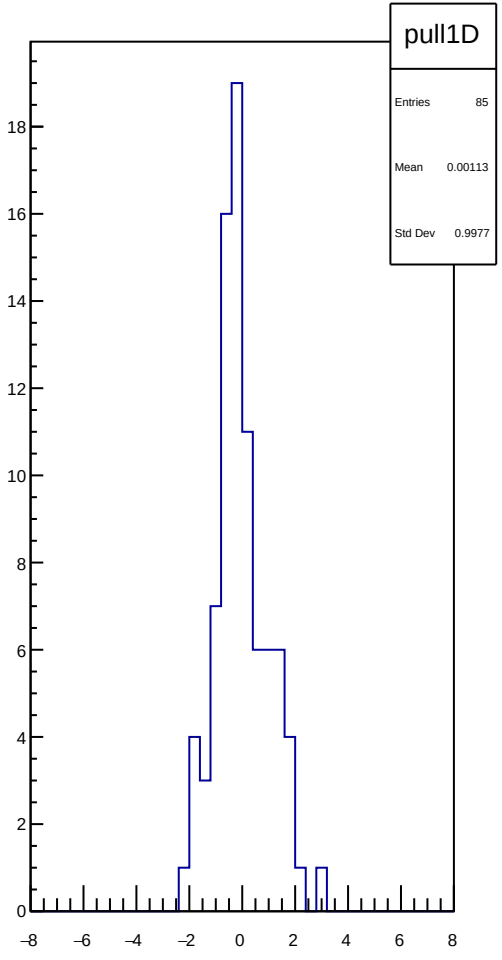

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 85.19 / 84
p0 −35.64 ± 3.313
50
0
−50
−100
−150
pull
Entries 85
Mean −67.31
Std Dev 185.6
2
1
0
−1
−2
−3

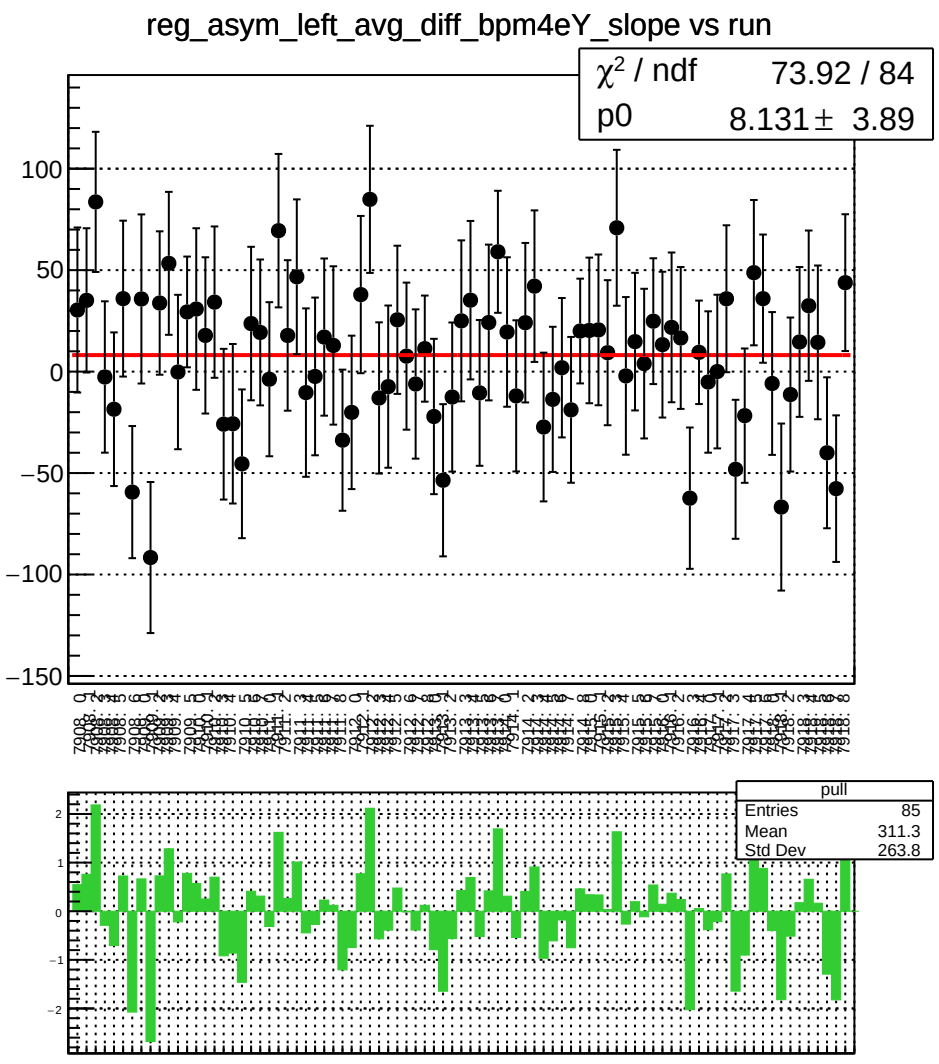

pull1D
Entries 85
Mean −0.004989
Std Dev 1.001
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

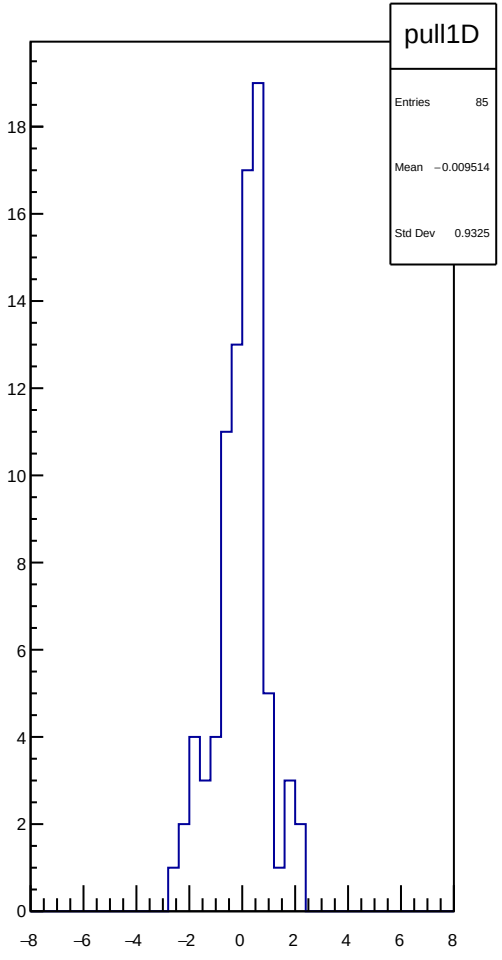

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.12 / 84
p0 10.51 ± 3.343
150
100
50
0
−50
−100
pull
Entries 85
Mean 93.05
Std Dev 50.33
3
2
1
0
−1
−2

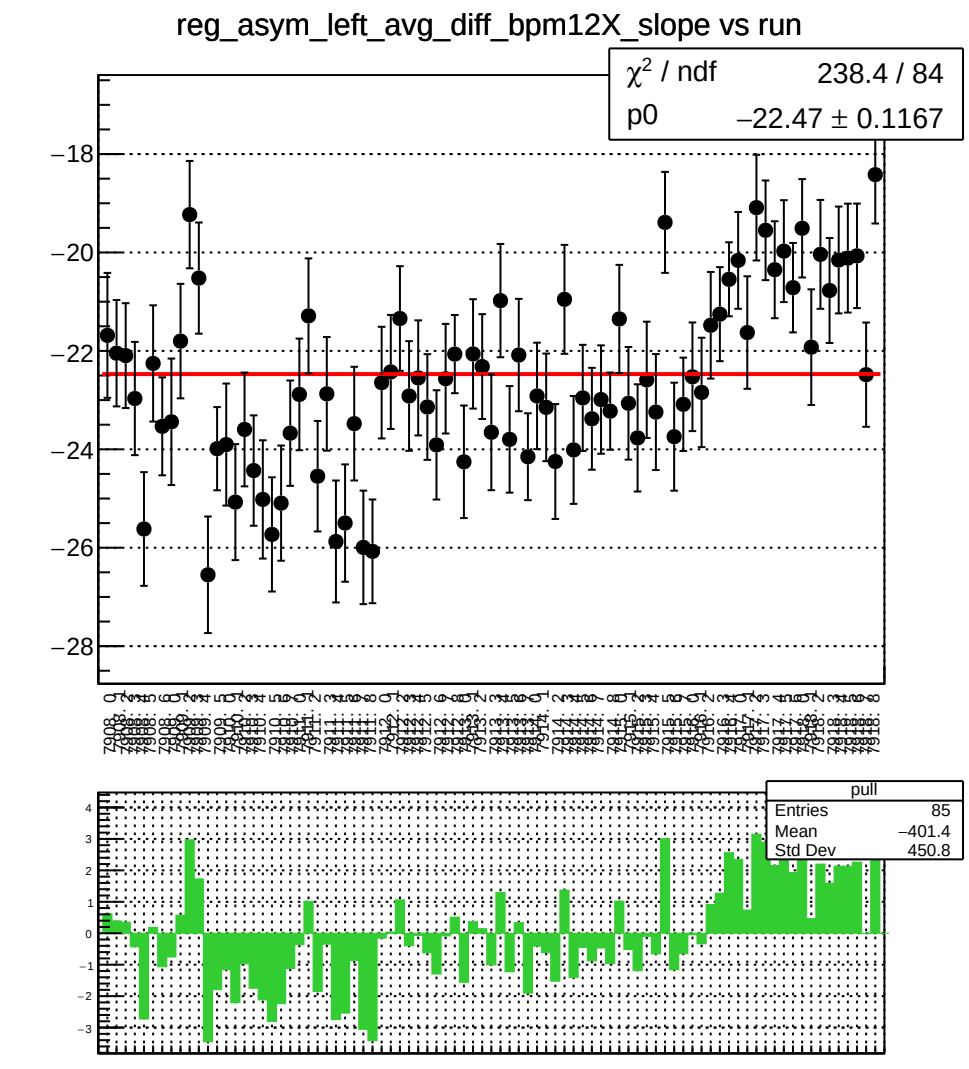

pull1D
Entries 85
Mean 0.01308
Std Dev 0.94
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

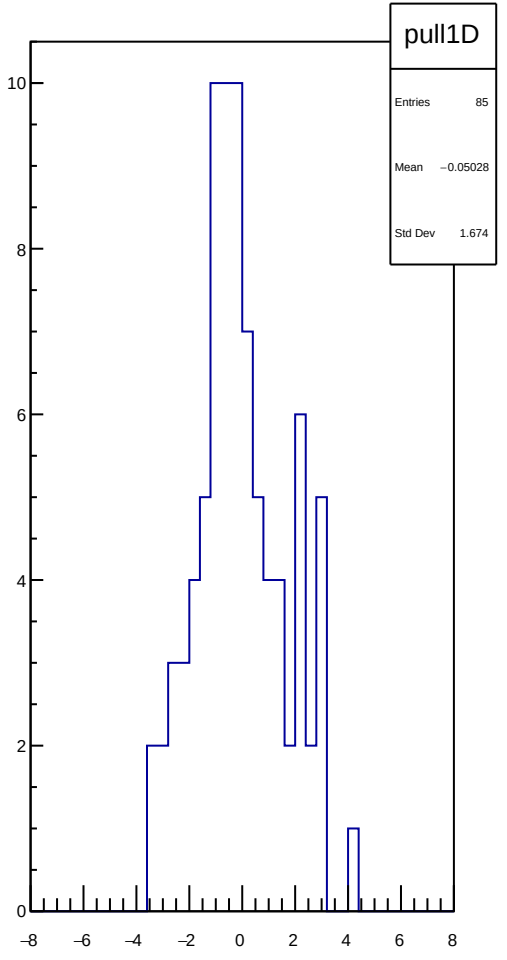

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.62 / 84
p0 2.059 ± 2.812
pull
Entries 85
Mean −205.8
Std Dev 396.5

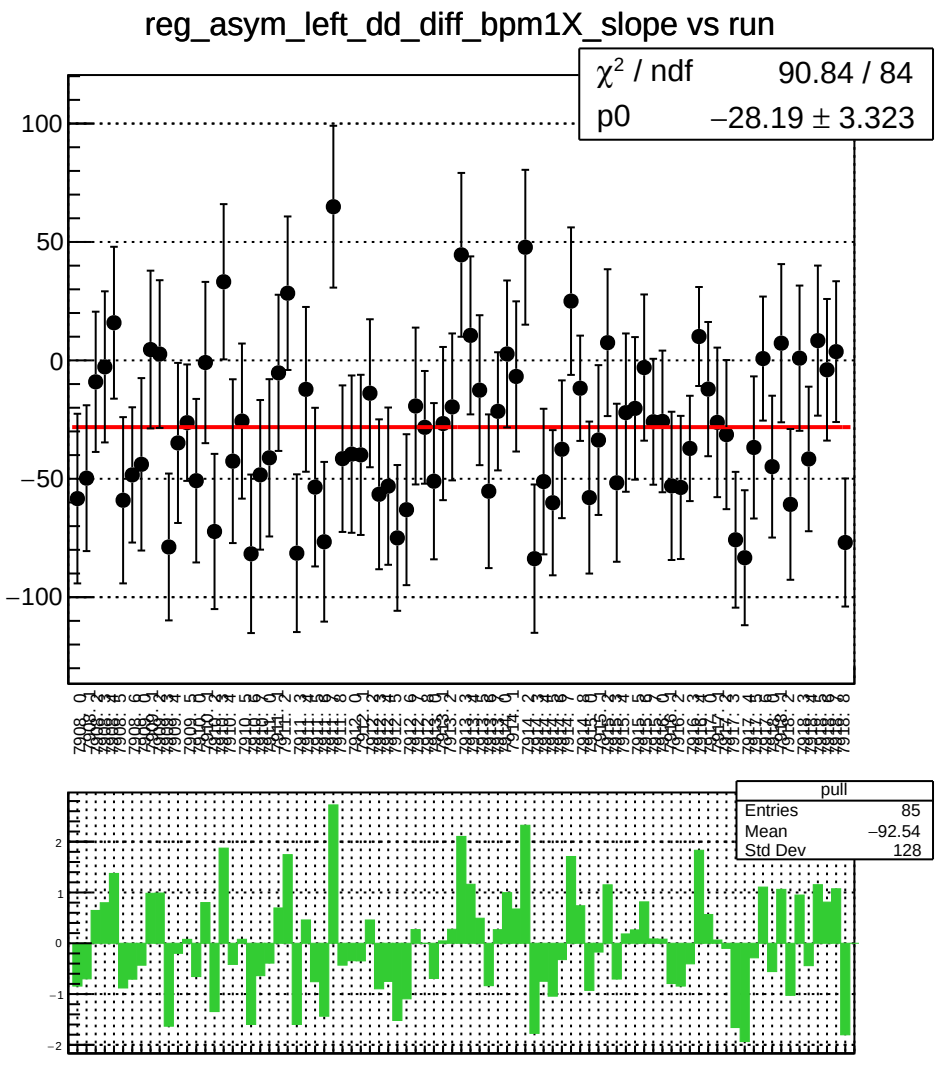

pull1D
Entries 85
Mean 0.00113
Std Dev 0.9977

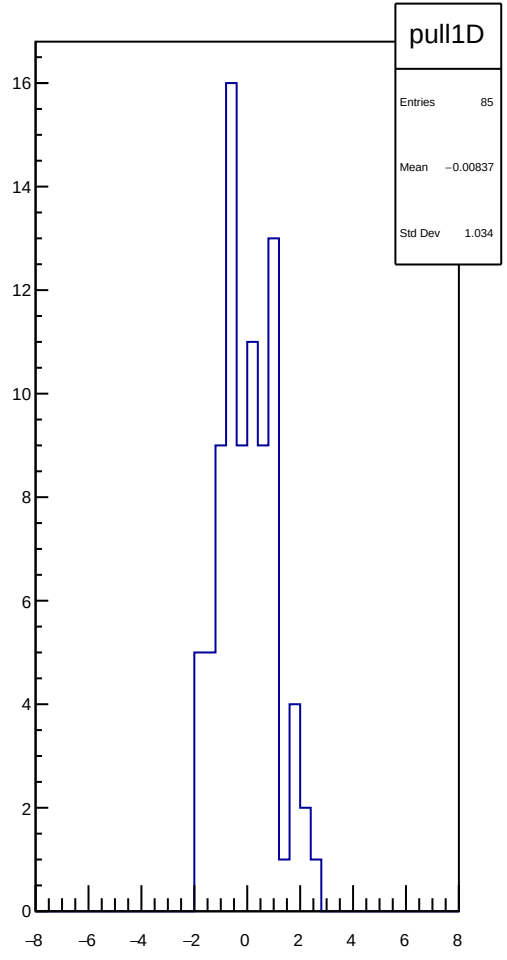

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.92 / 84
p0 8.131 ± 3.89
pull
Entries 85
Mean 311.3
Std Dev 263.8

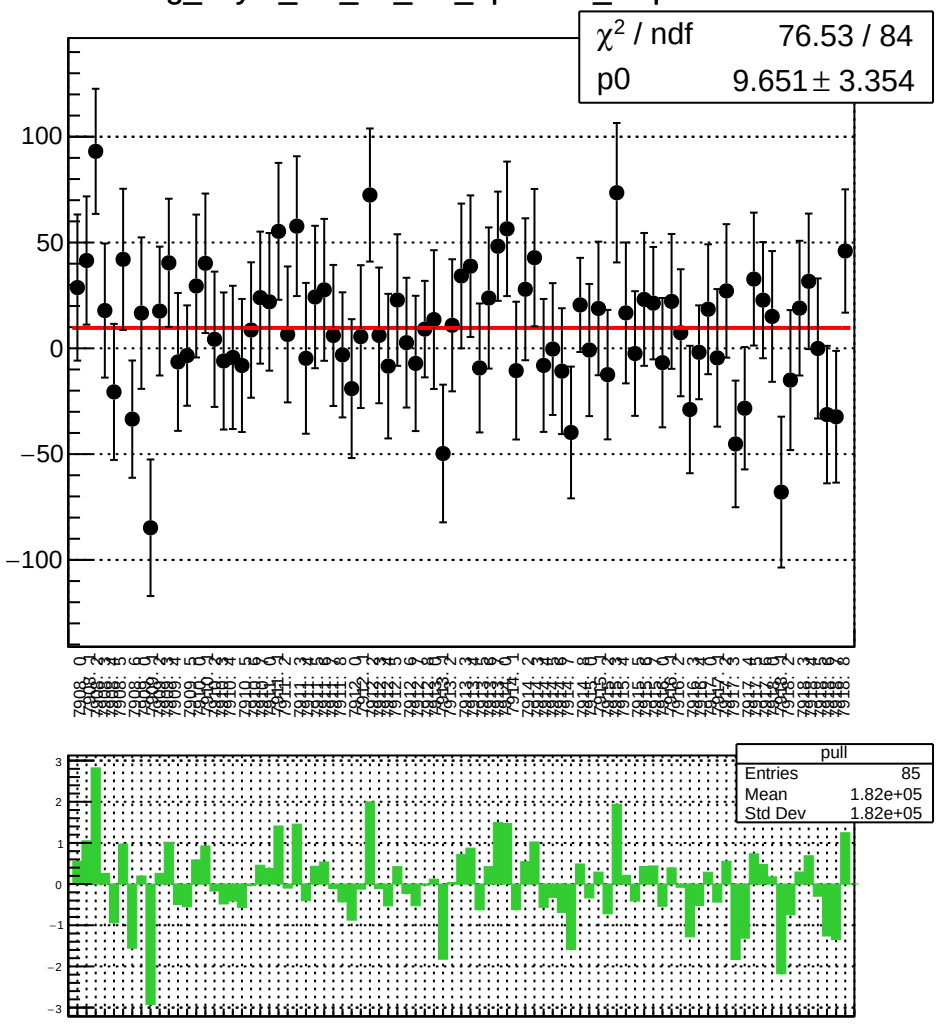

pull1D
Entries 85
Mean −0.009514
Std Dev 0.9325

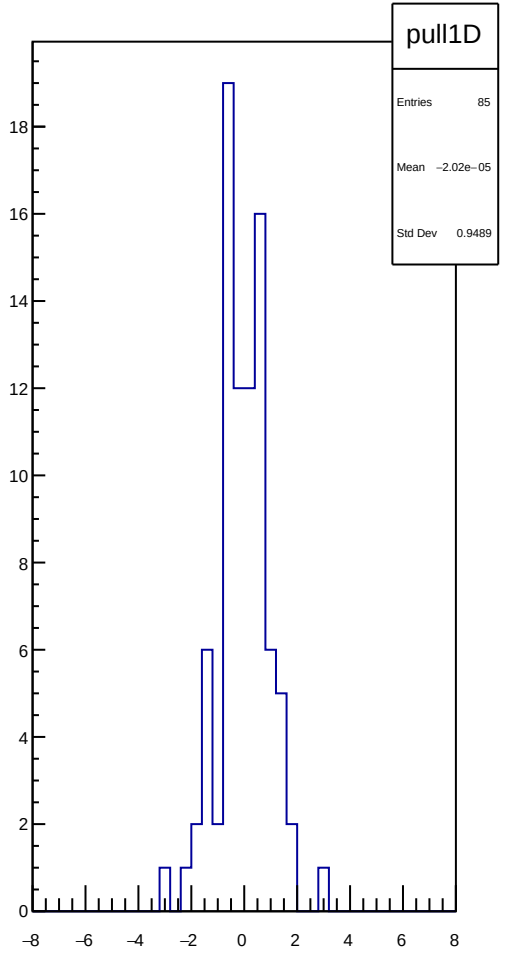

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 238.4 / 84
p0 −22.47 ± 0.1167
−18
−20
−22
−24
−26
−28
pull
Entries 85
Mean −401.4
Std Dev 450.8
4
3
2
1
0
−1
−2
−3

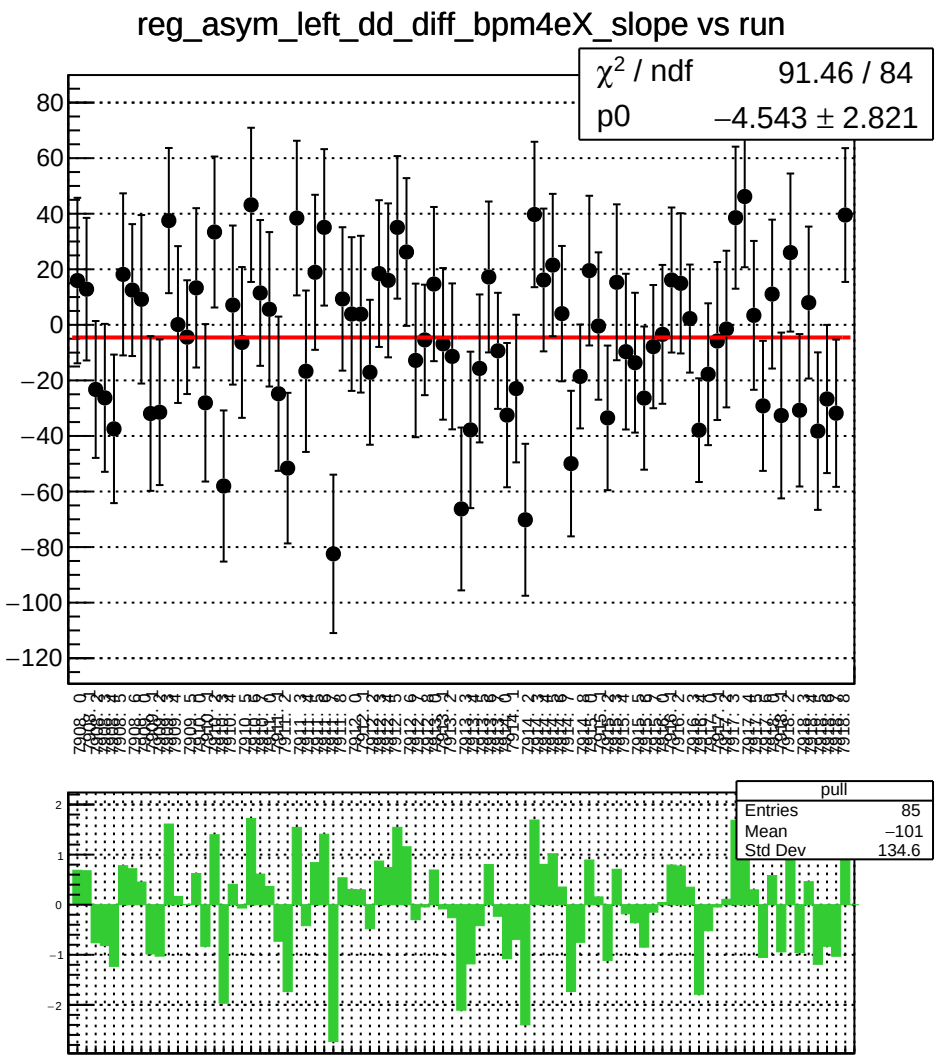

pull1D
Entries 85
Mean −0.05028
Std Dev 1.674
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

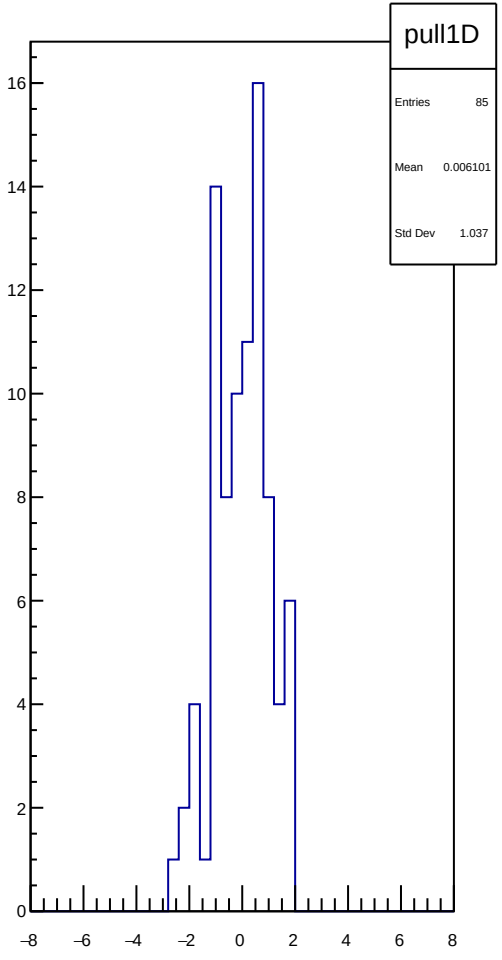

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 90.84 / 84
p0 −28.19 ± 3.323
100
50
0
−50
−100
pull
Entries 85
Mean −92.54
Std Dev 128
2
1
0
−1
−2

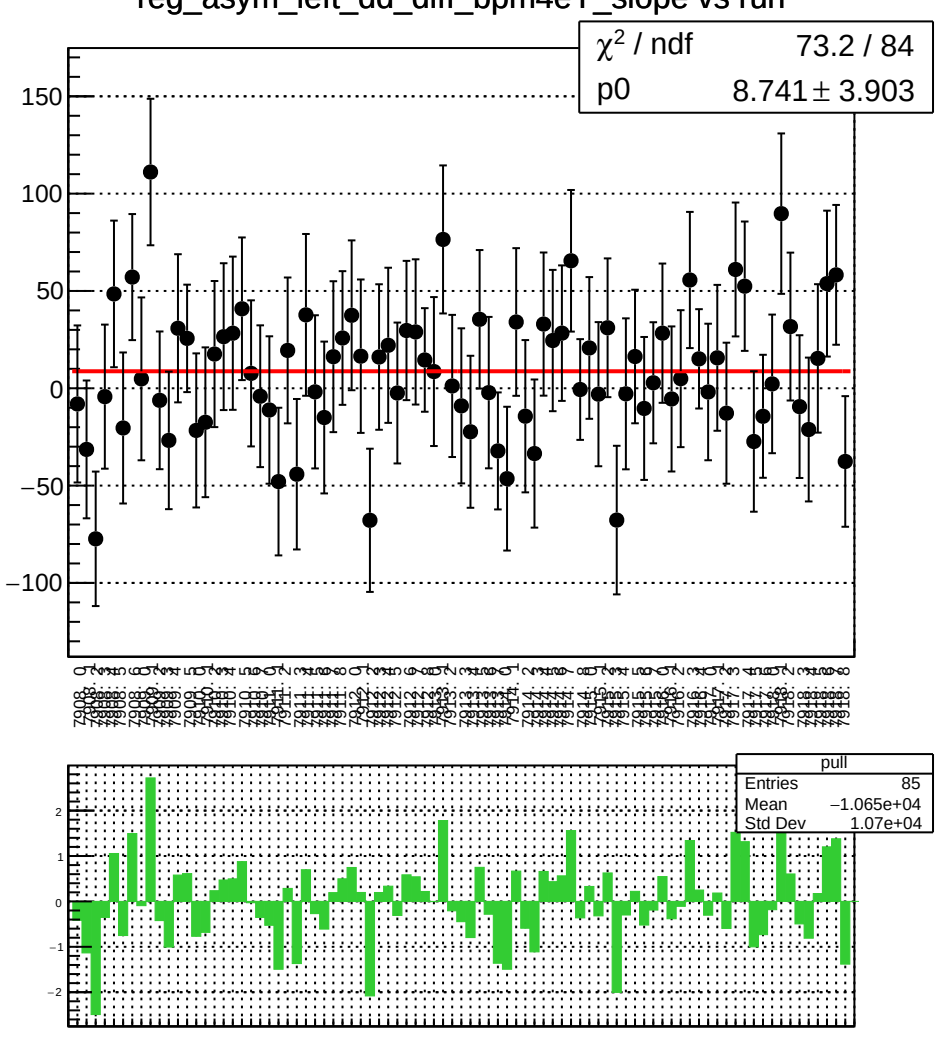

pull1D
Entries 85
Mean −0.00837
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

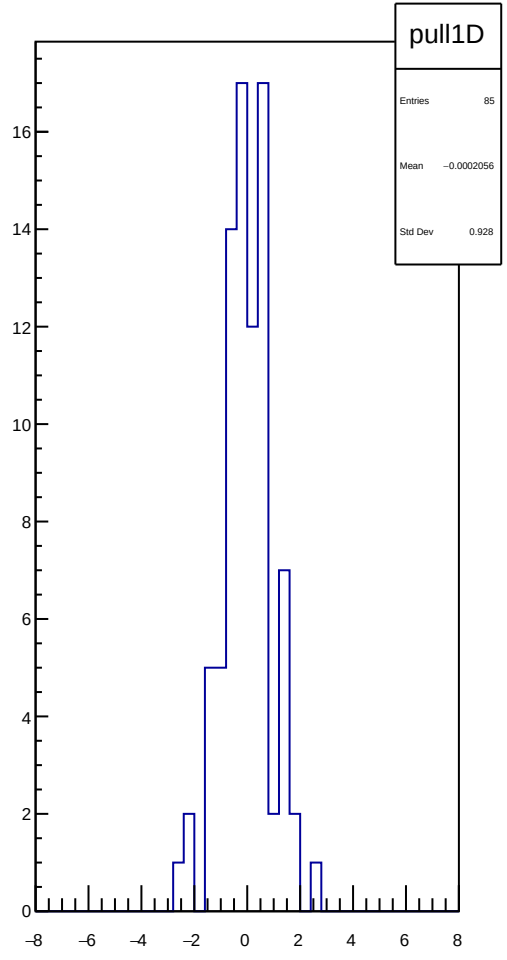

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.53 / 84
p0 9.651 ± 3.354
pull
Entries 85
Mean 1.82e+05
Std Dev 1.82e+05

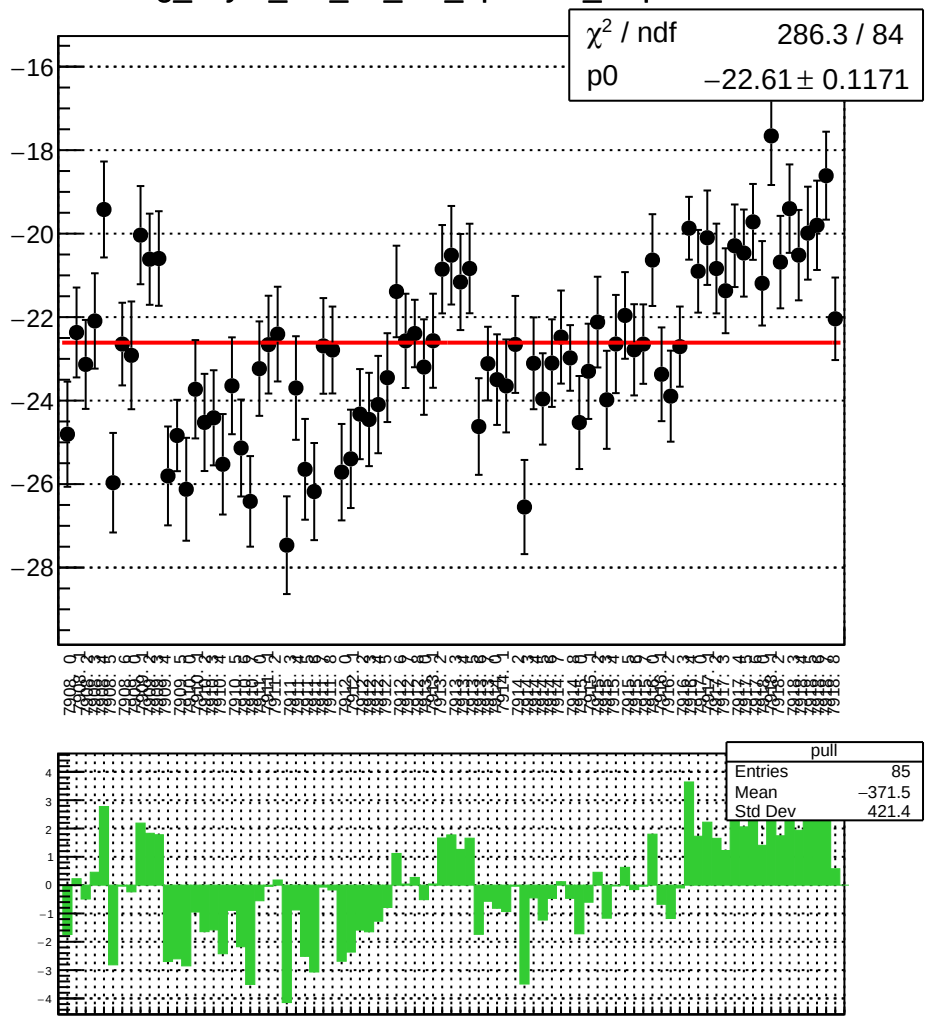

pull1D
Entries 85
Mean −2.02e−05
Std Dev 0.9489

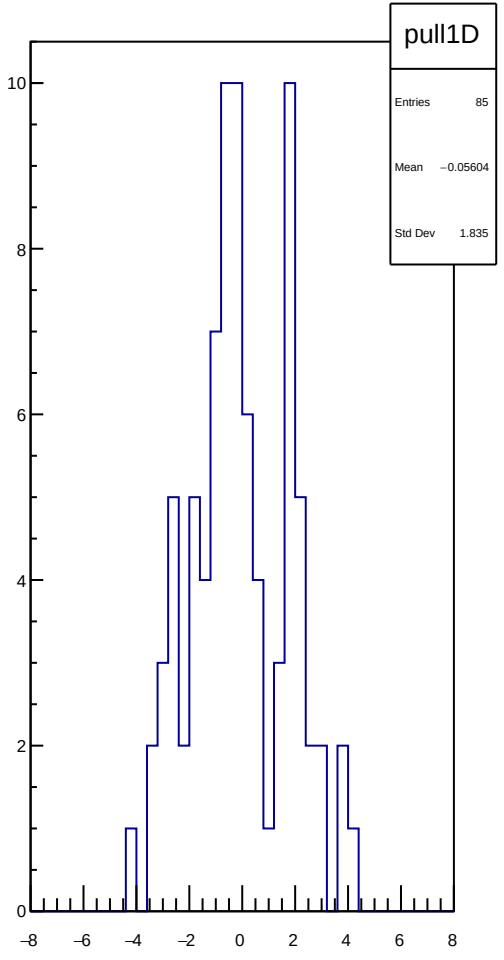

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 91.46 / 84
p0 −4.543 ± 2.821
pull
Entries 85
Mean −101
Std Dev 134.6

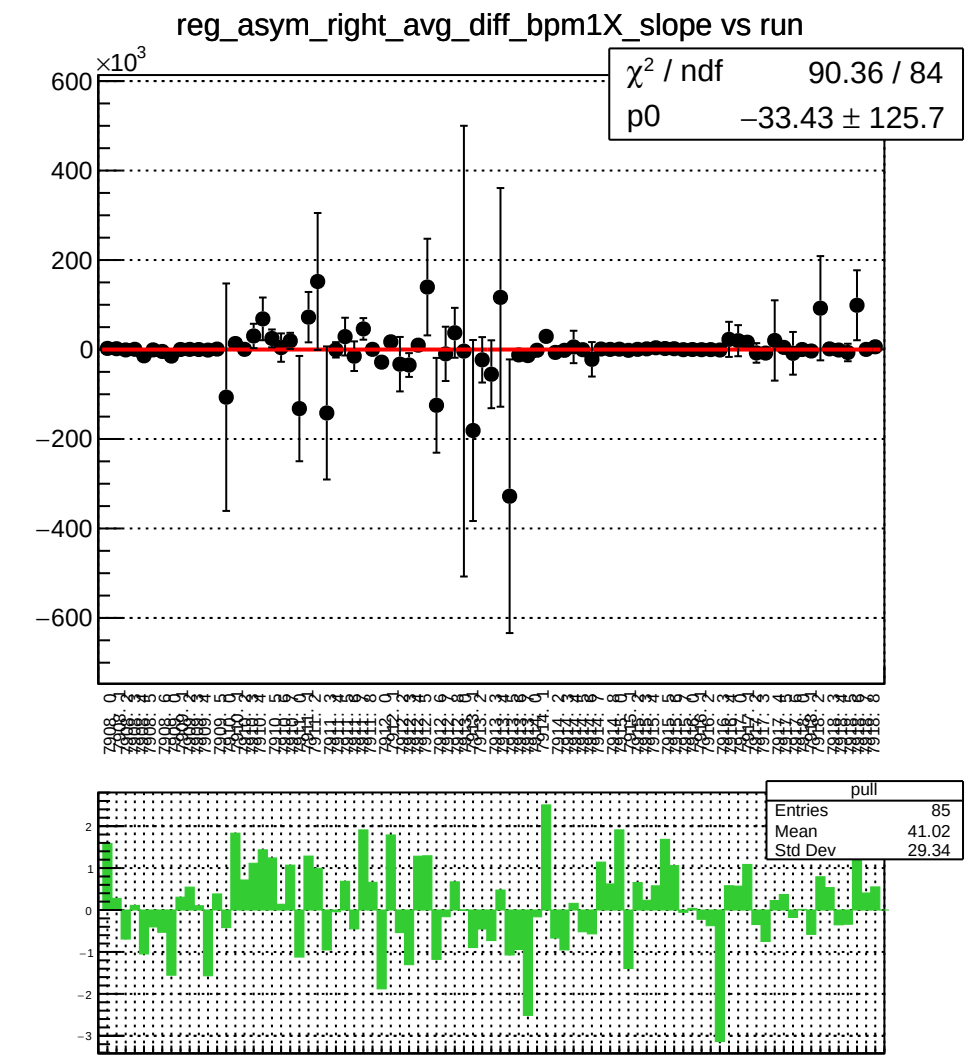

pull1D
Entries 85
Mean 0.006101
Std Dev 1.037

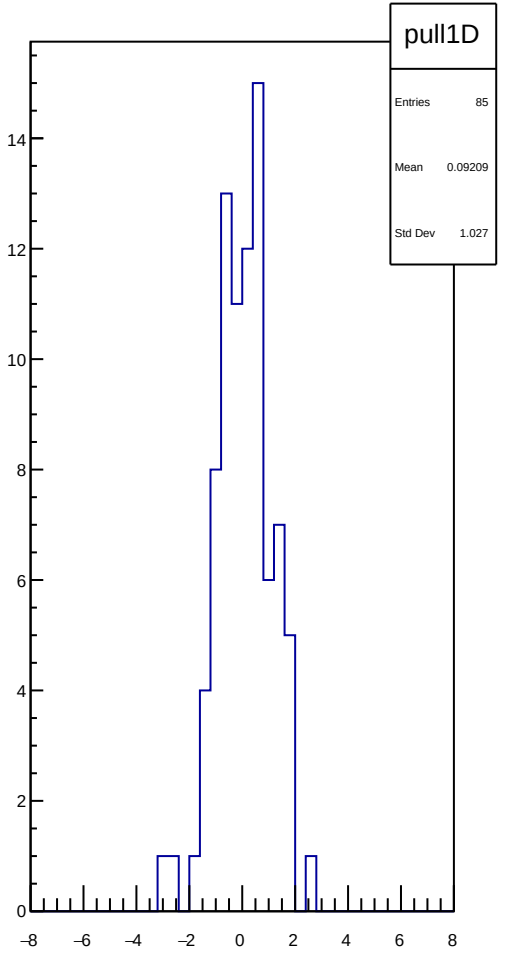

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.2 / 84
p0 8.741 ± 3.903
150
100
50
0
−50
−100
pull
Entries 85
Mean −1.065e+04
Std Dev 1.07e+04
2
1
0
−1
−2

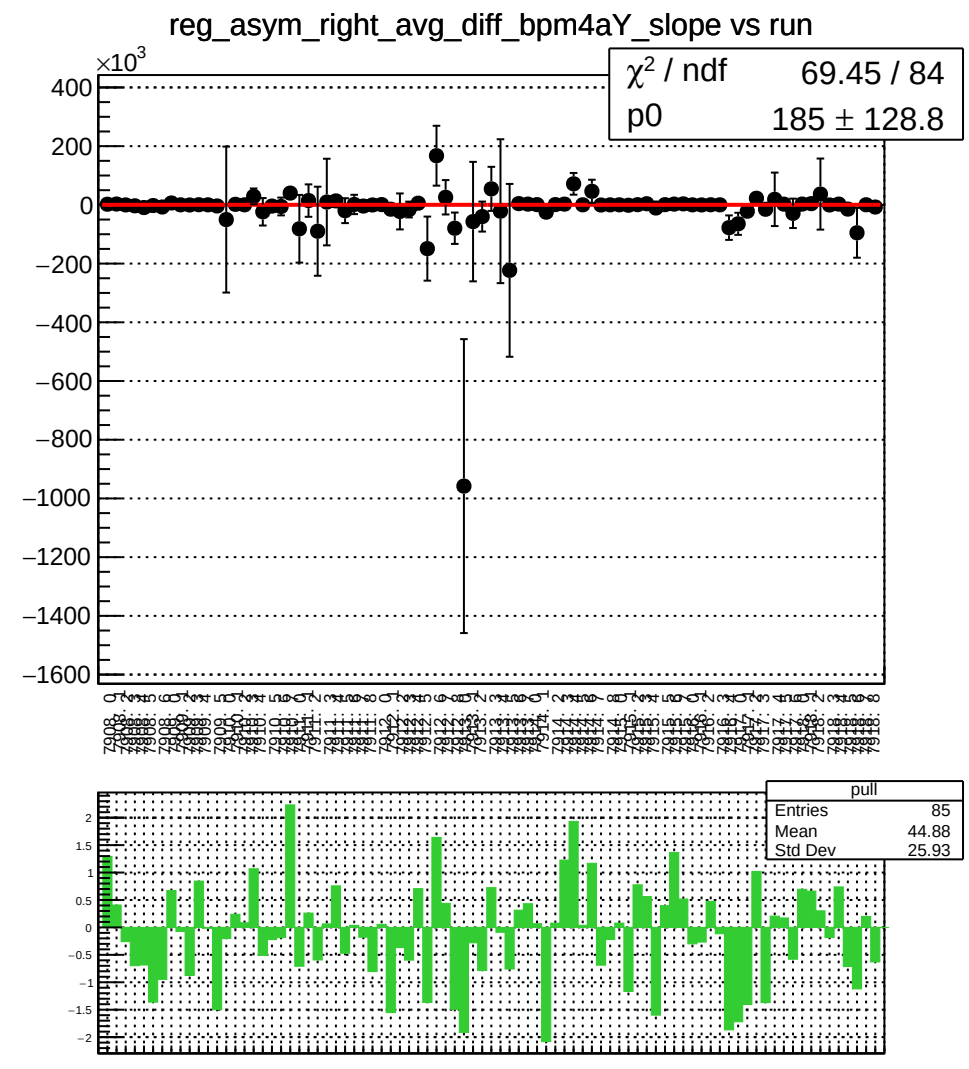

pull1D
Entries 85
Mean −0.0002056
Std Dev 0.928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

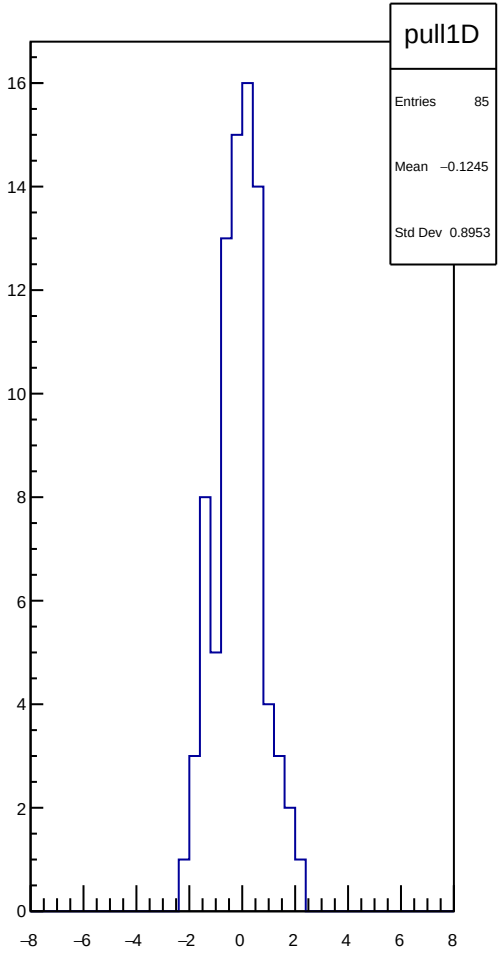

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 286.3 / 84
p0 −22.61 ± 0.1171
pull
Entries 85
Mean −371.5
Std Dev 421.4

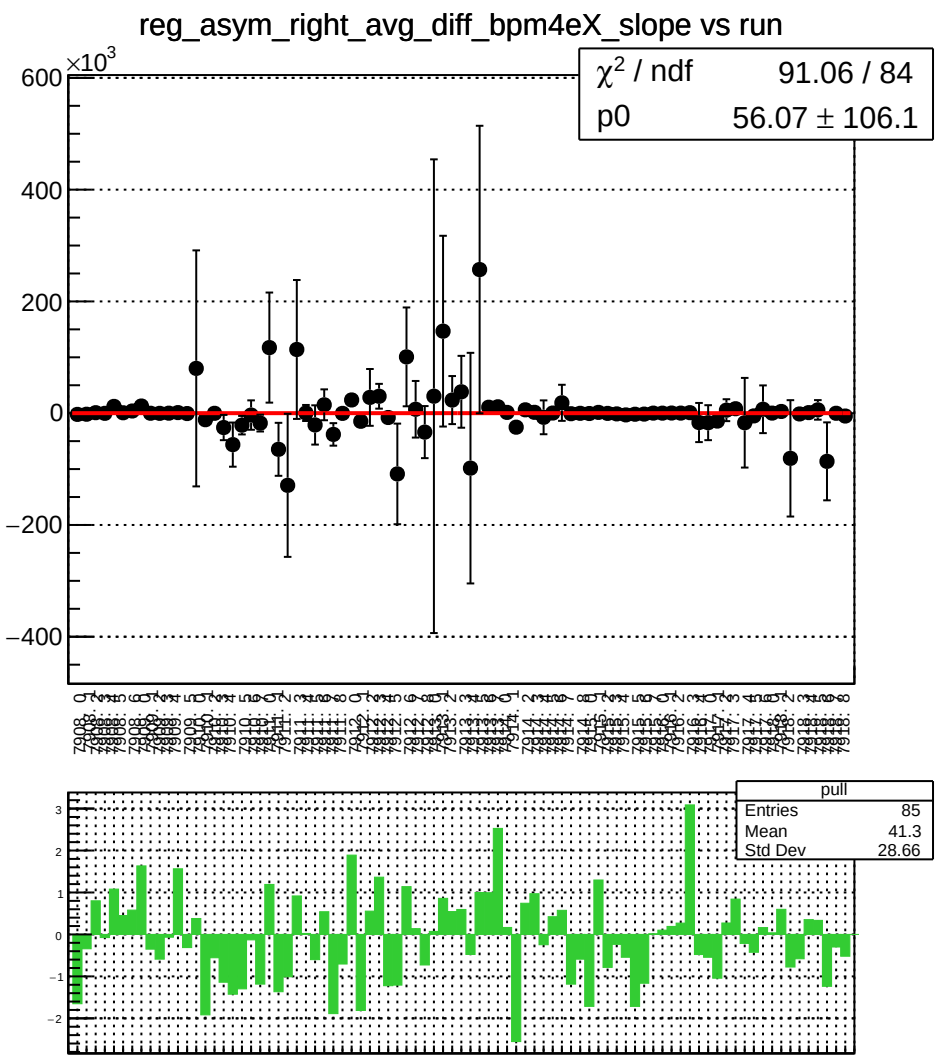

pull1D
Entries 85
Mean −0.05604
Std Dev 1.835

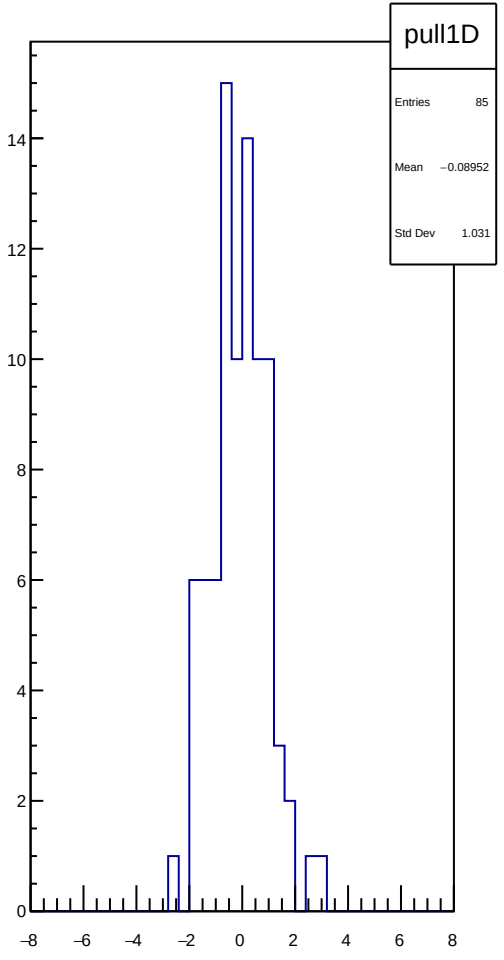

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 90.36 / 84
p0 −33.43 ± 125.7
pull
Entries 85
Mean 41.02
Std Dev 29.34

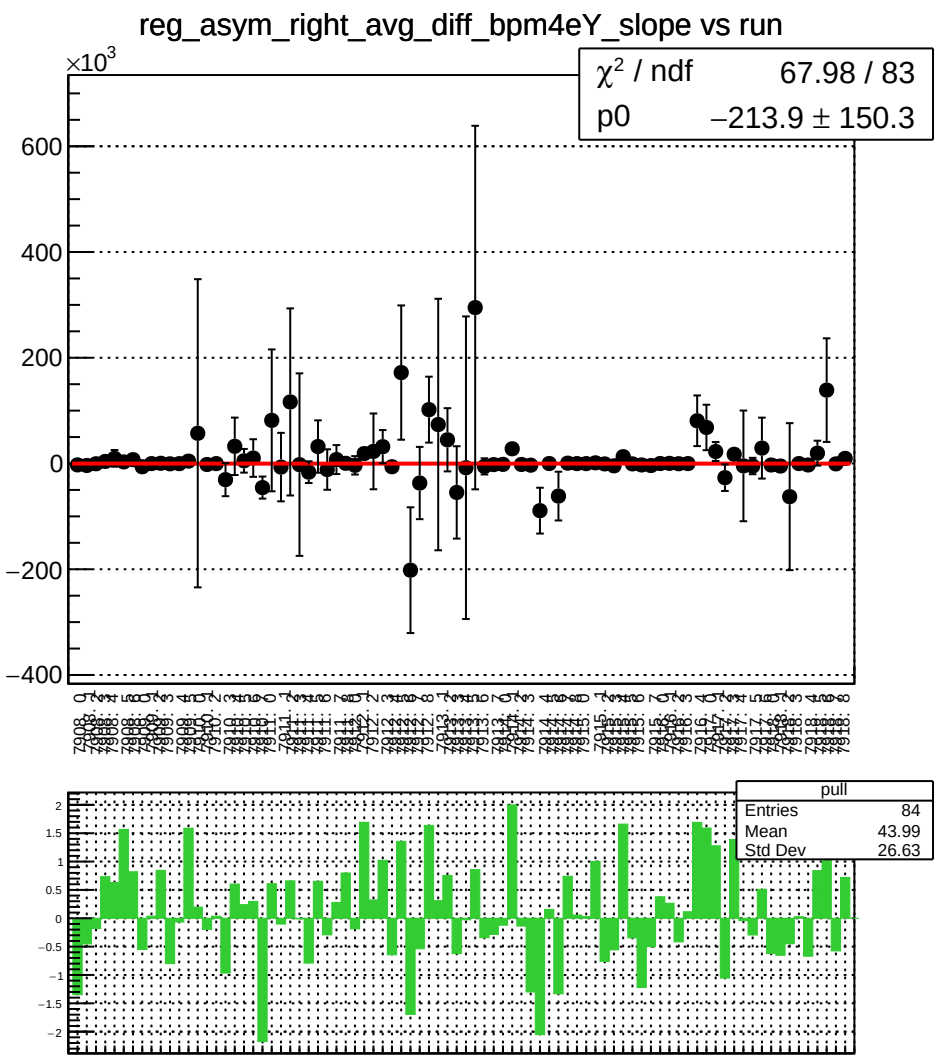

pull1D
Entries 85
Mean 0.09209
Std Dev 1.027

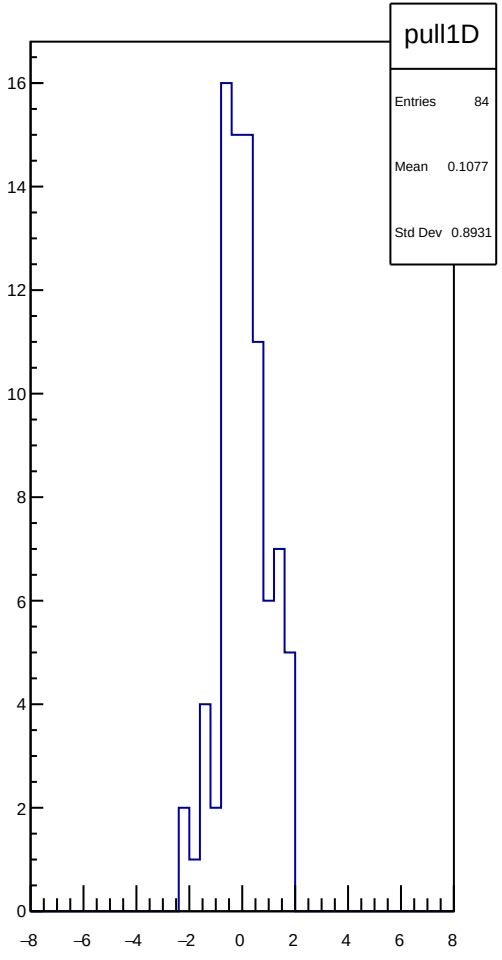

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.45 / 84
p0 185 ± 128.8
pull
Entries 85
Mean 44.88
Std Dev 25.93

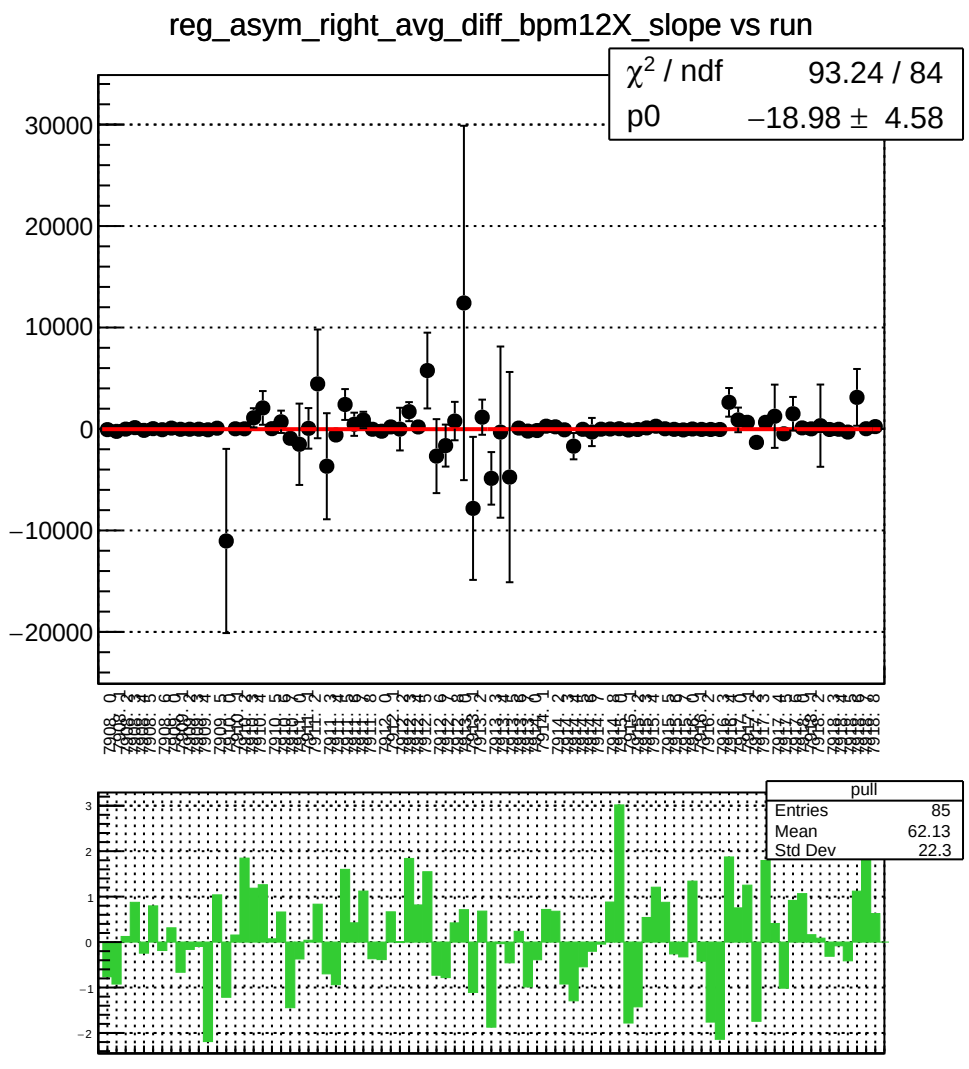

pull1D
Entries 85
Mean −0.1245
Std Dev 0.8953

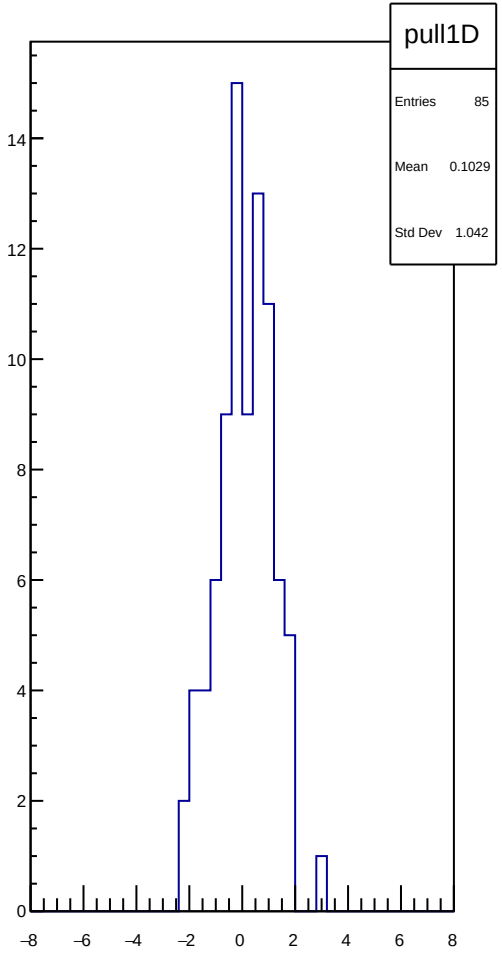

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.06 / 84
p0 56.07 ± 106.1
pull
Entries 85
Mean 41.3
Std Dev 28.66
3
2
1
0
−1
−2

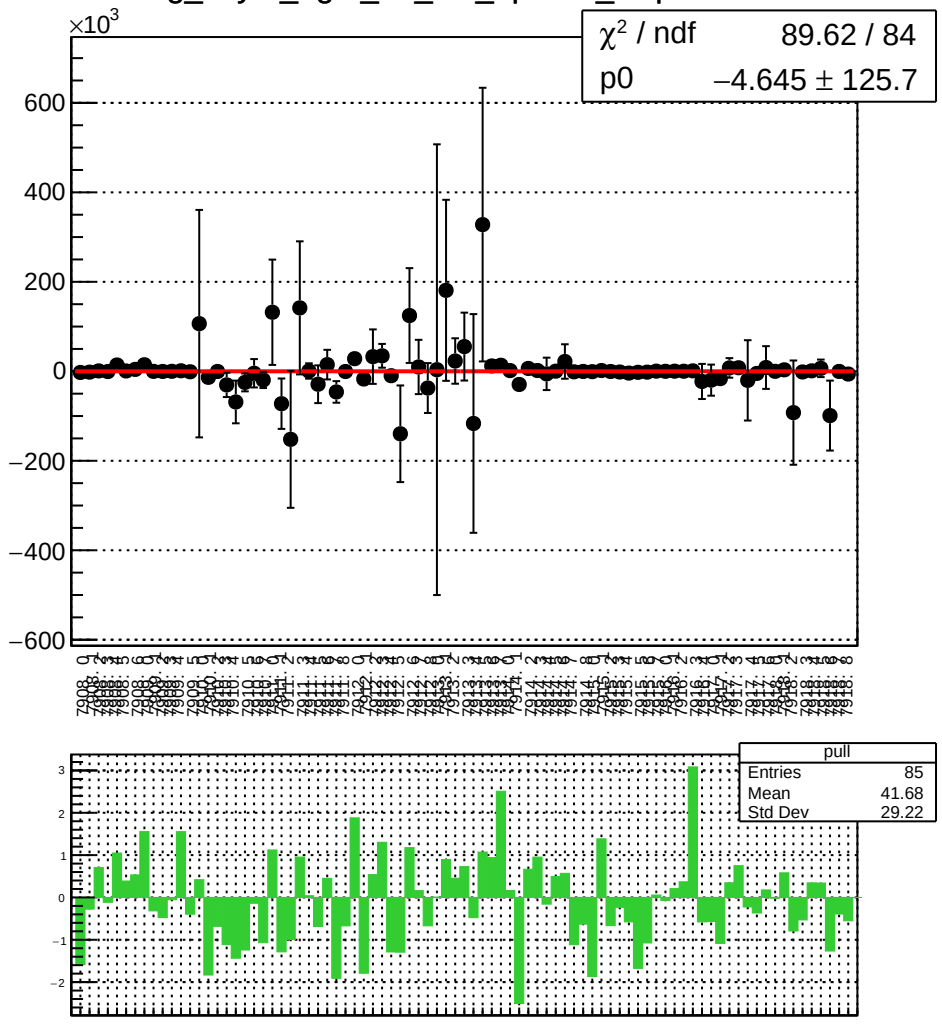

pull1D
Entries 85
Mean −0.08952
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

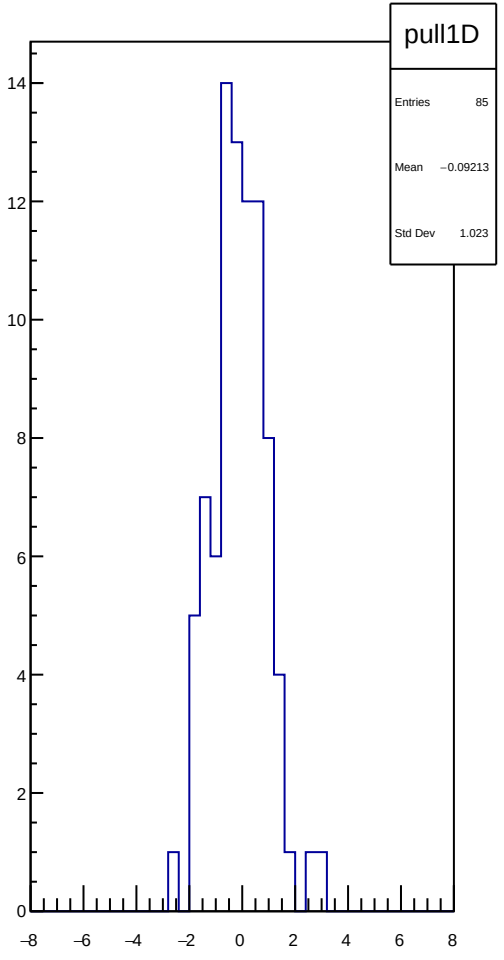

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.98 / 83
p0 −213.9 ± 150.3
×10³
pull
Entries 84
Mean 43.99
Std Dev 26.63

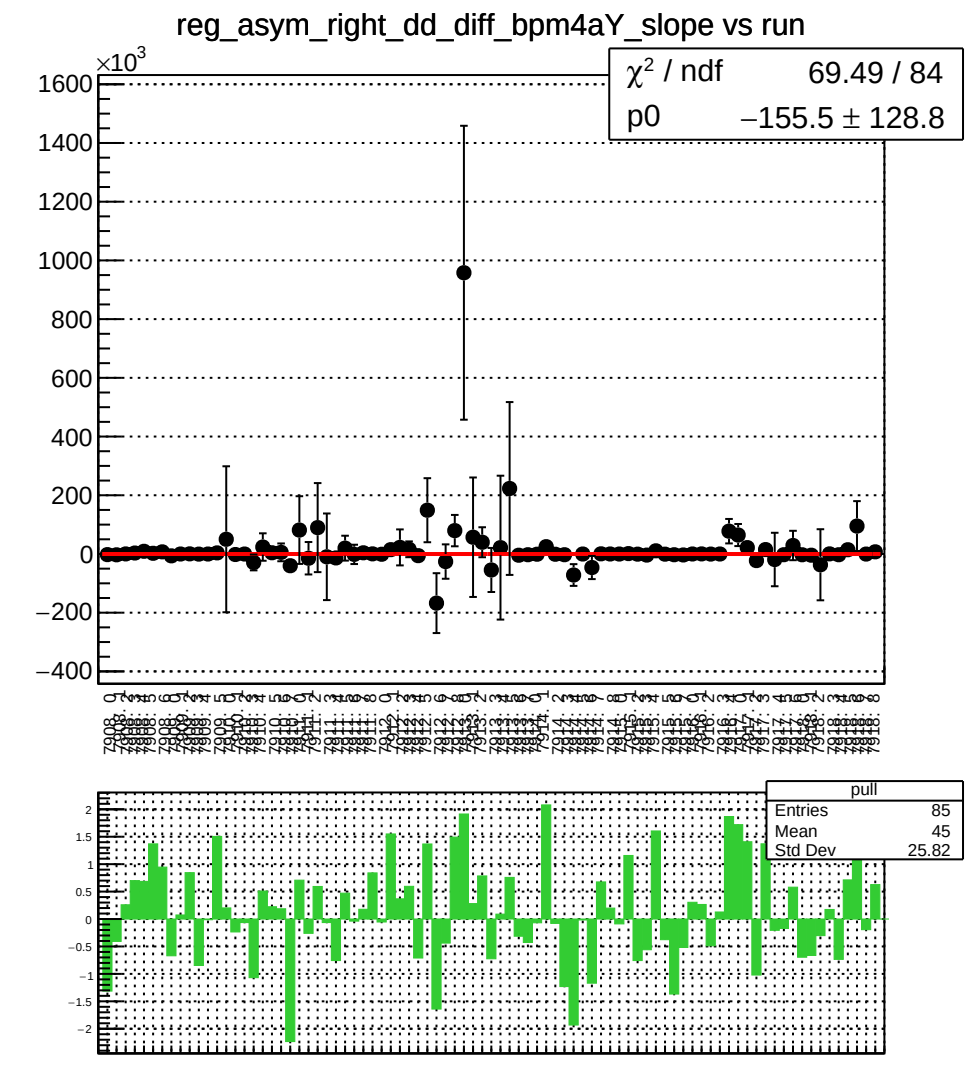

pull1D
Entries 84
Mean 0.1077
Std Dev 0.8931

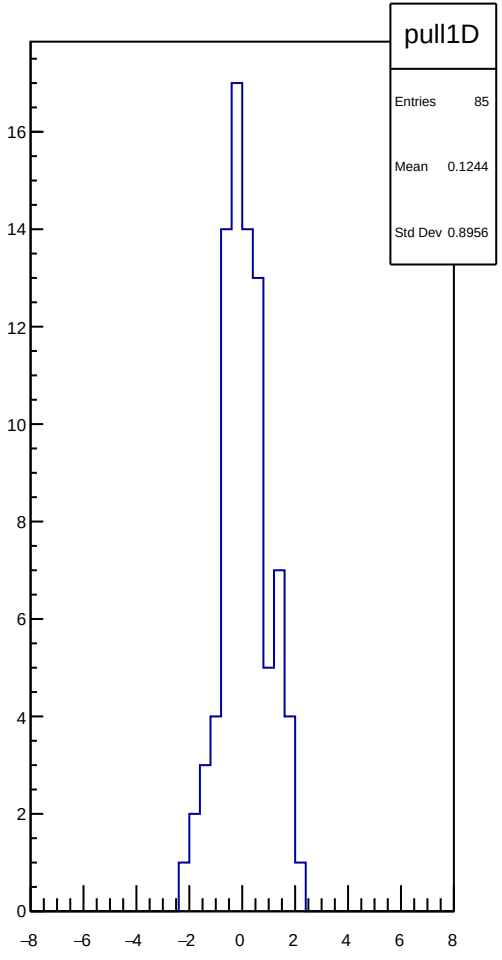

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 93.24 / 84
p0 −18.98 ± 4.58
pull
Entries 85
Mean 62.13
Std Dev 22.3

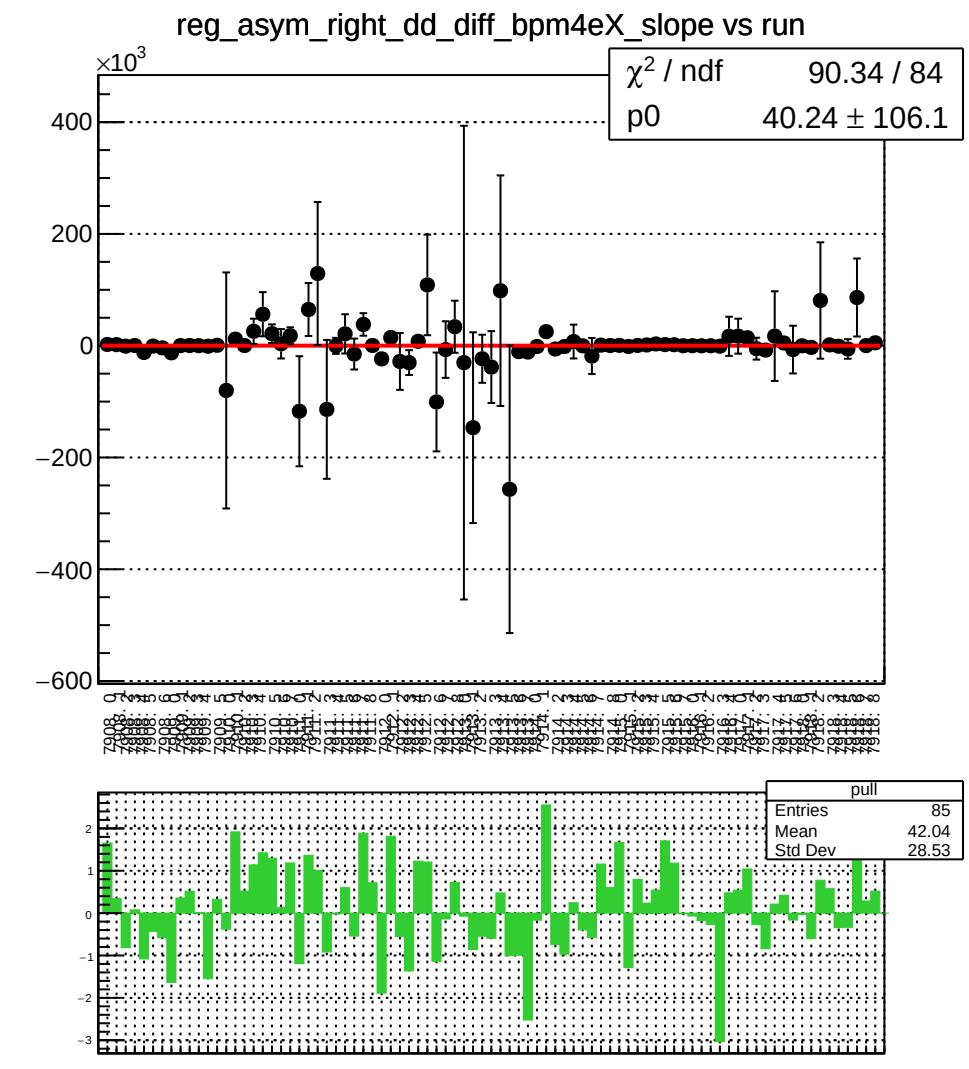

pull1D
Entries 85
Mean 0.1029
Std Dev 1.042

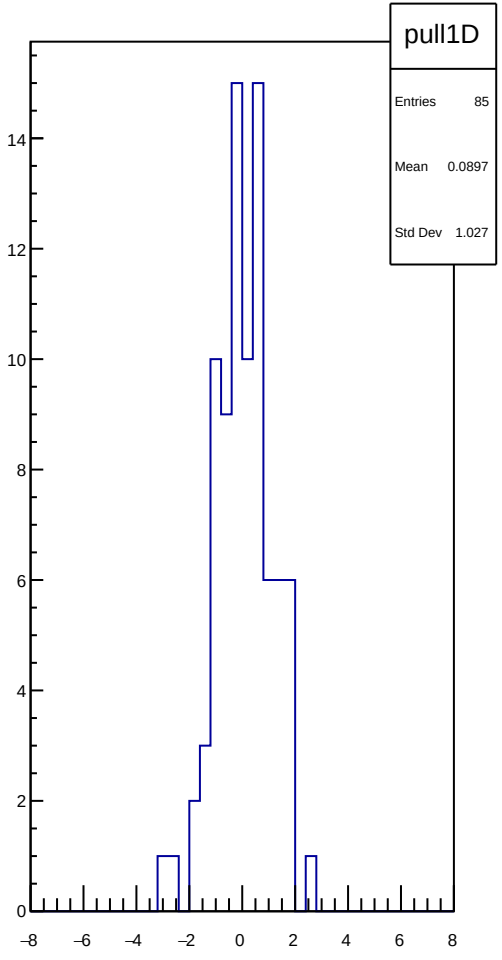

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 89.62 / 84
p0 −4.645 ± 125.7
pull
Entries 85
Mean 41.68
Std Dev 29.22

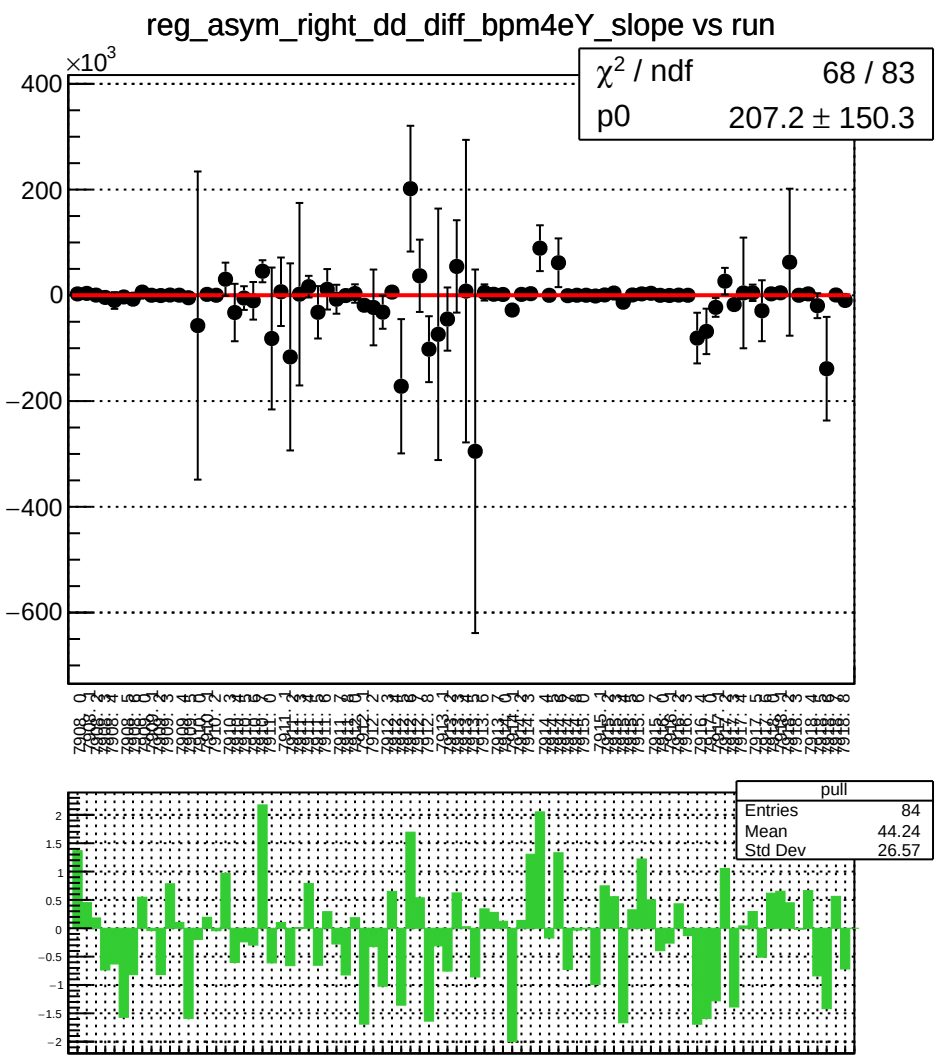

pull1D
Entries 85
Mean −0.09213
Std Dev 1.023

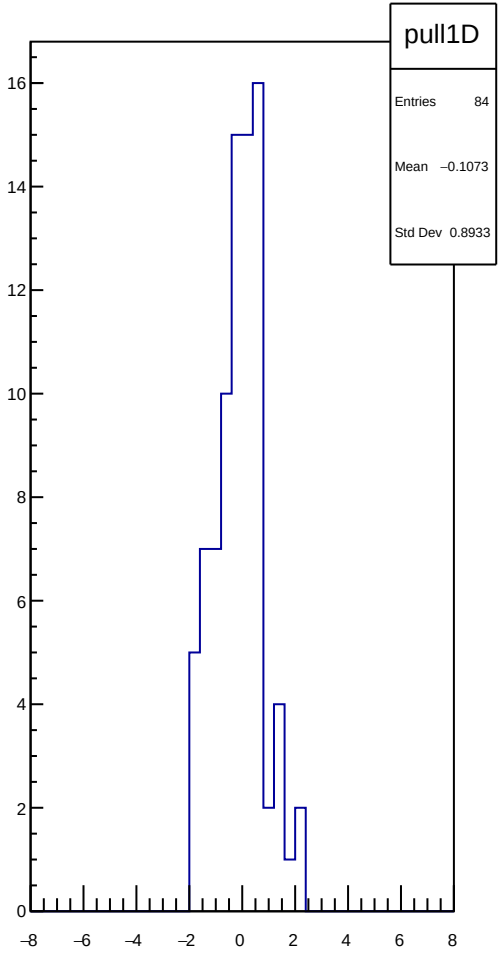

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.49 / 84
p0 −155.5 ± 128.8
pull
Entries 85
Mean 45
Std Dev 25.82

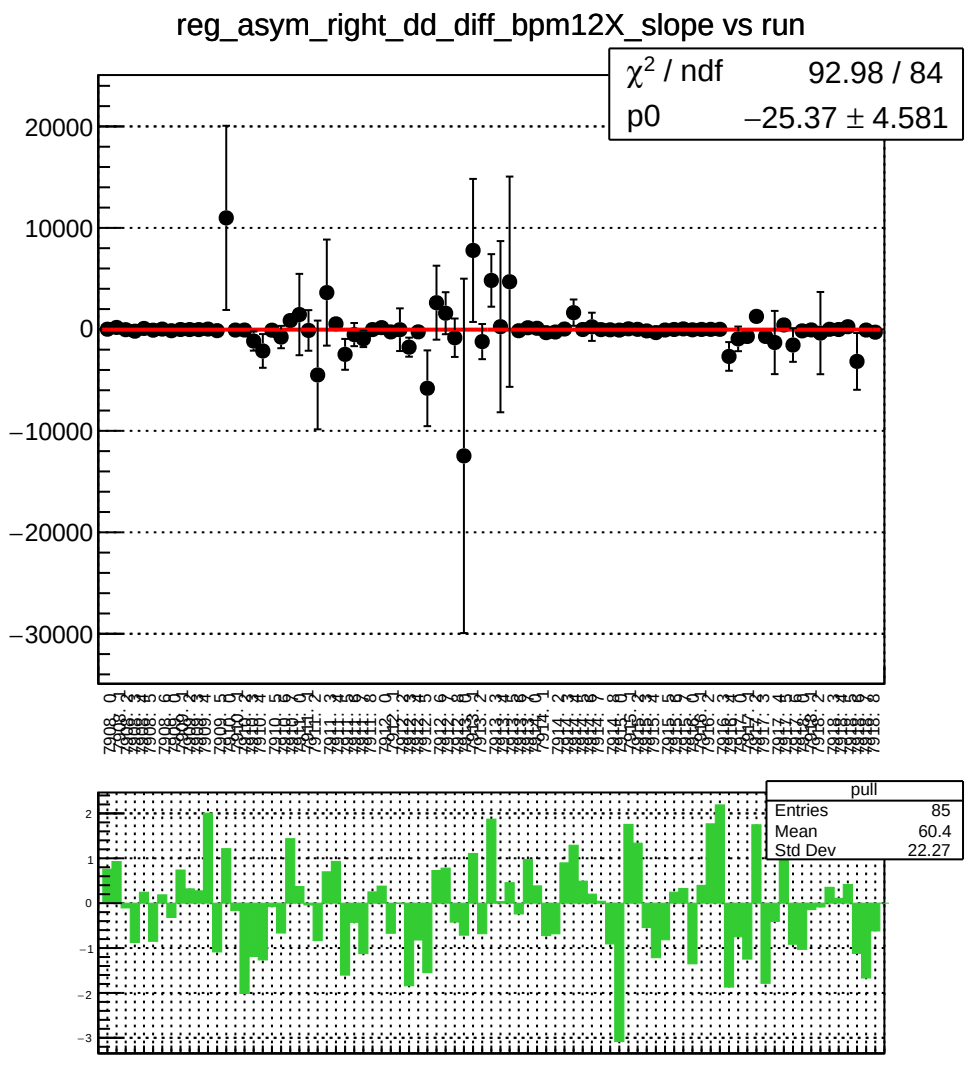

pull1D
Entries 85
Mean 0.1244
Std Dev 0.8956

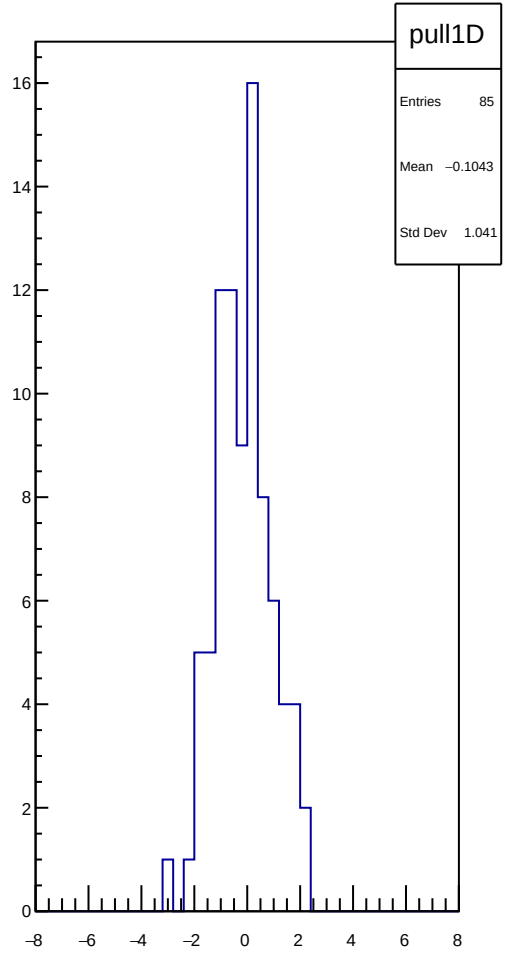

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 90.34 / 84
p0 40.24 ± 106.1
pull
Entries 85
Mean 42.04
Std Dev 28.53

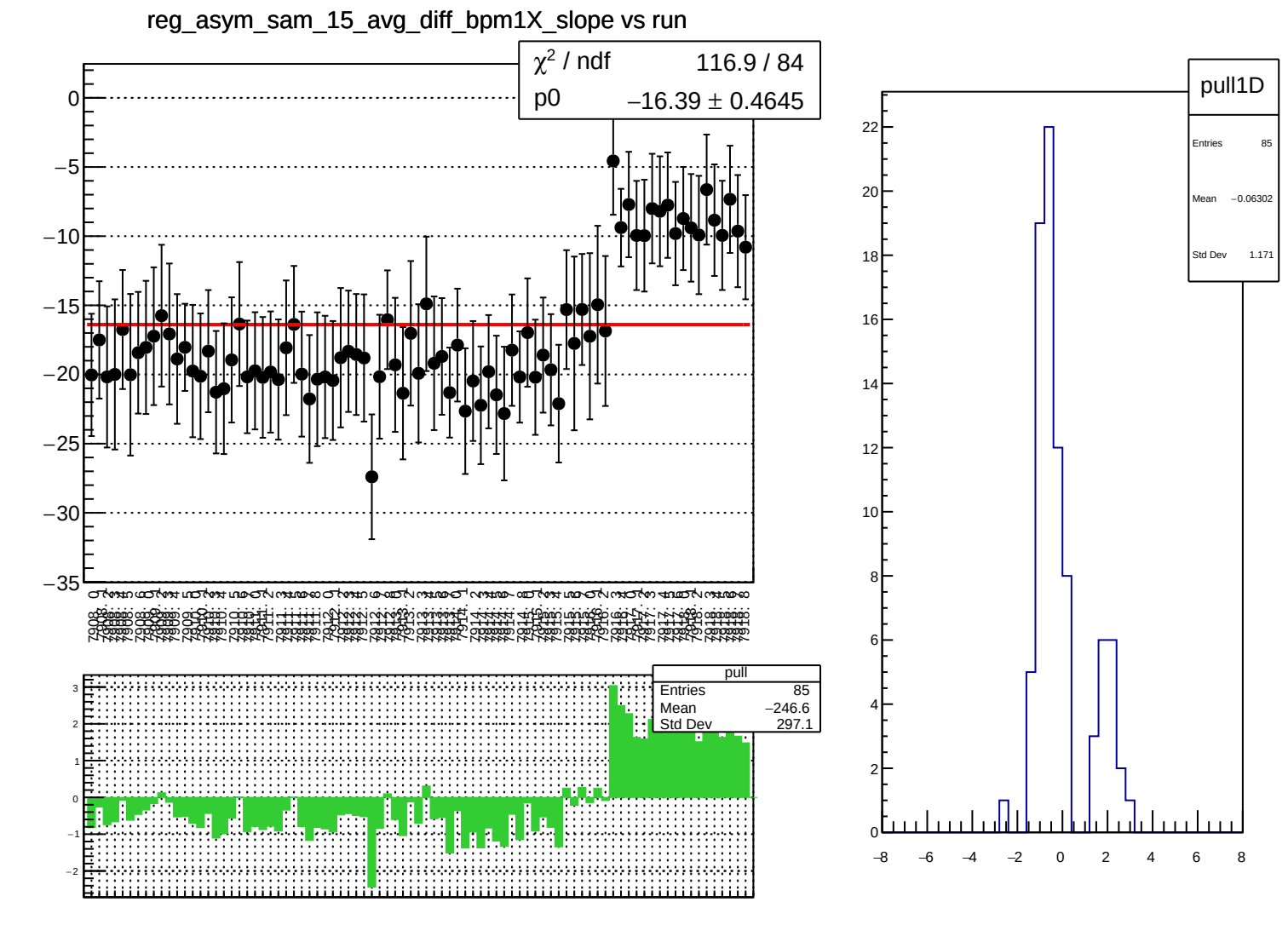

pull1D
Entries 85
Mean 0.0897
Std Dev 1.027

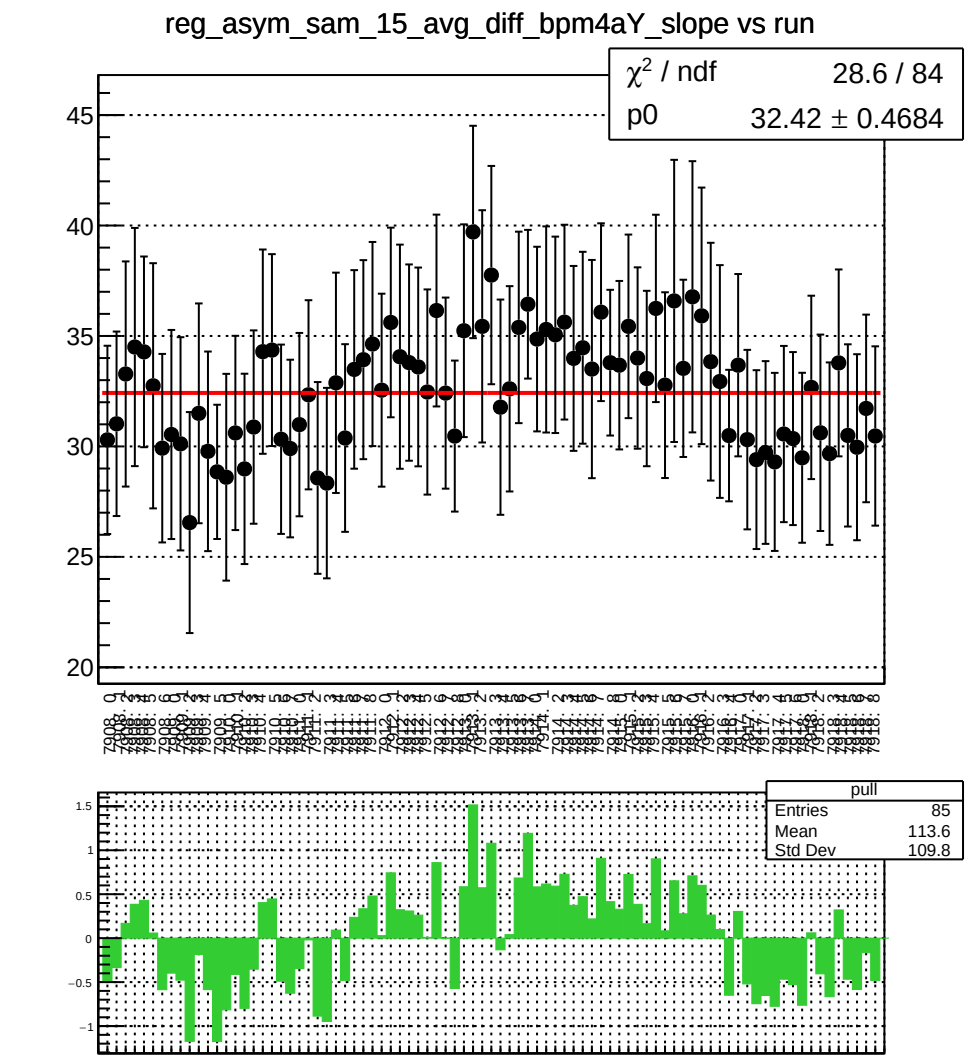

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
400
200
0
−200
−400
−600
χ² / ndf 68 / 83
p0 207.2 ± 150.3
pull
Entries 84
Mean 44.24
Std Dev 26.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

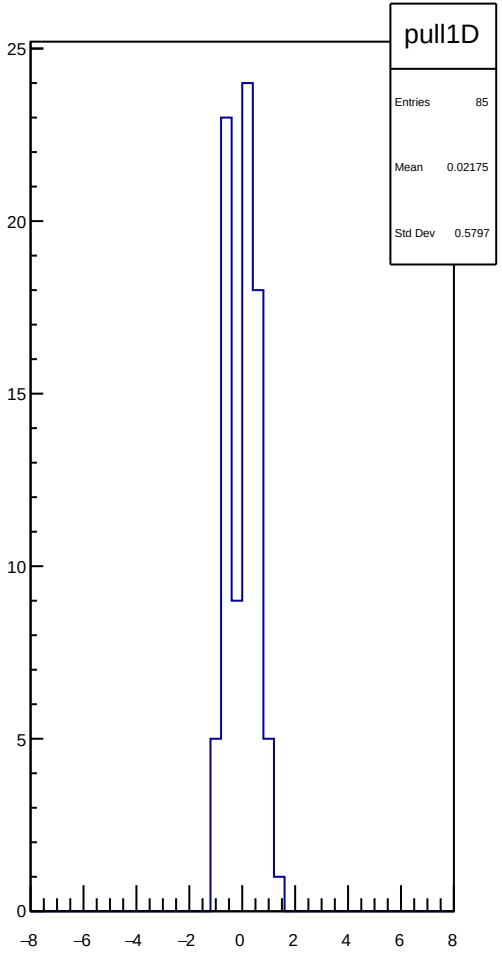

pull1D
Entries 84
Mean −0.1073
Std Dev 0.8933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

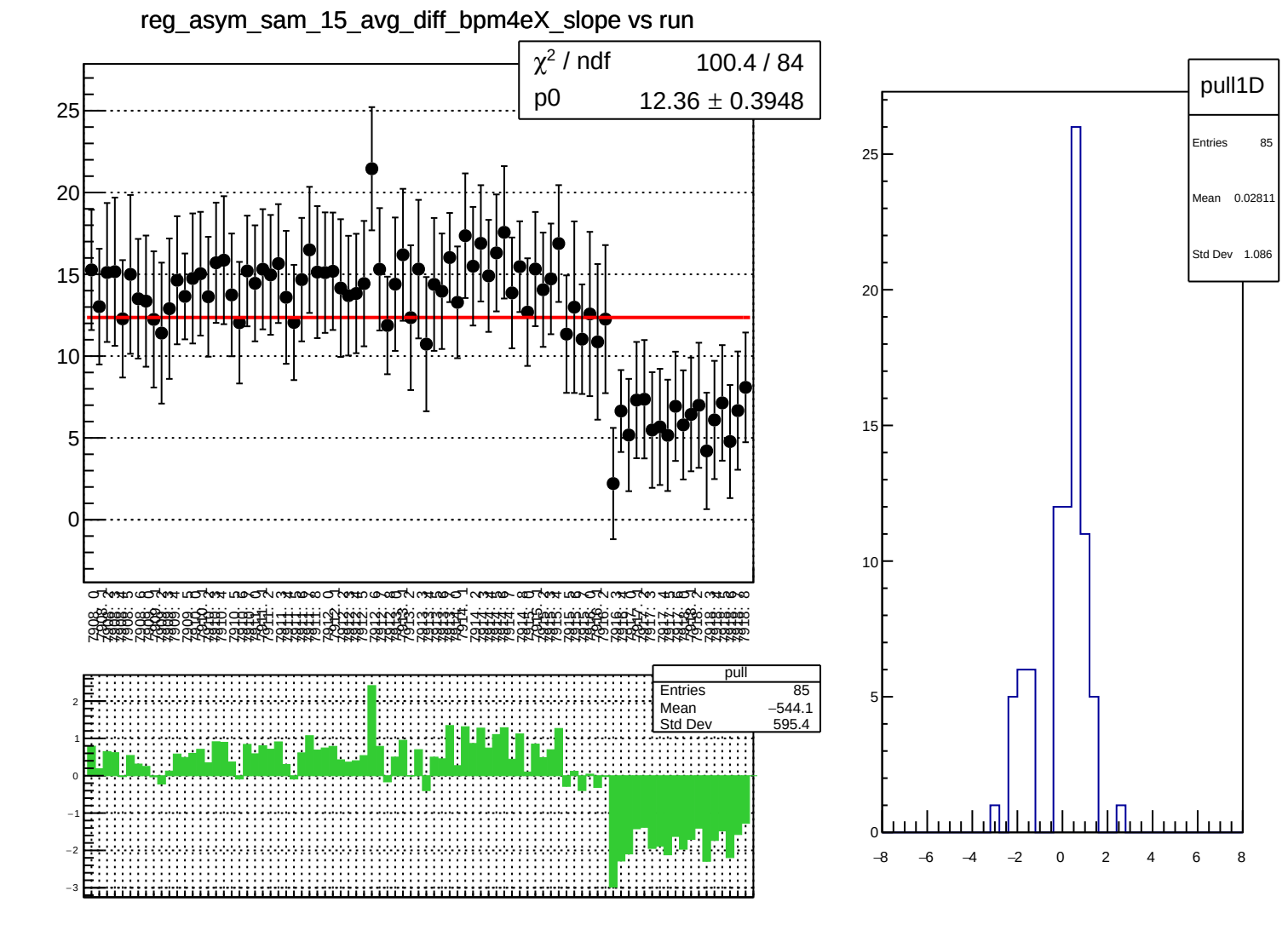

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 92.98 / 84
p0 −25.37 ± 4.581
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 60.4
Std Dev 22.27
2
1
0
−1
−2
−3

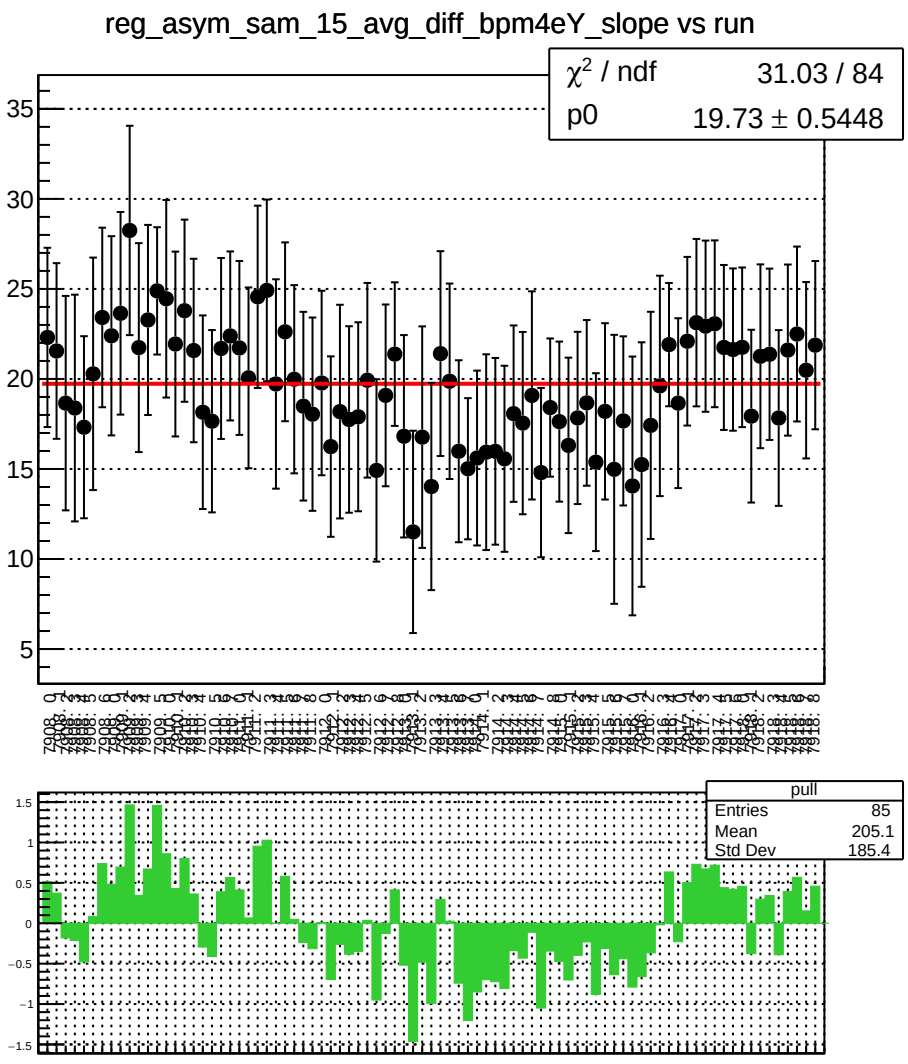

pull1D
Entries 85
Mean −0.1043
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

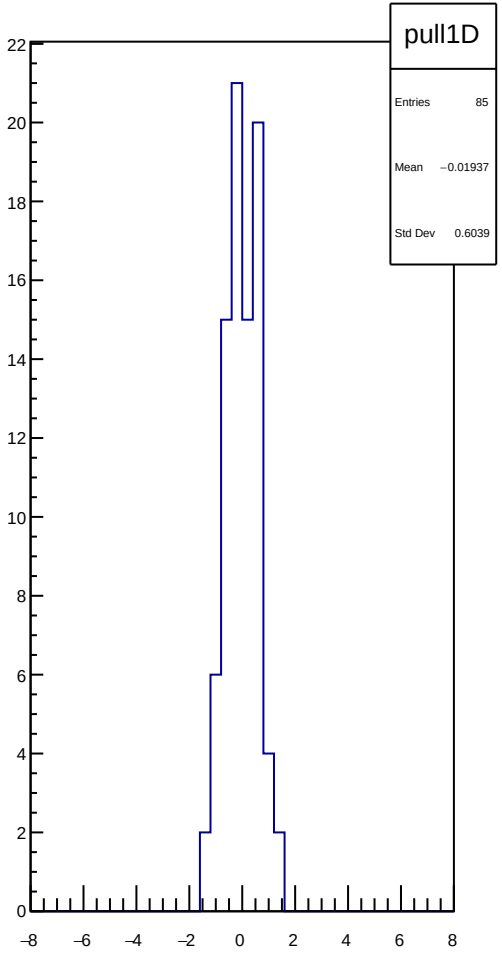

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 116.9 / 84
p0 −16.39 ± 0.4645
pull
Entries 85
Mean −246.6
Std Dev 297.1
pull1D
Entries 85
Mean −0.06302
Std Dev 1.171

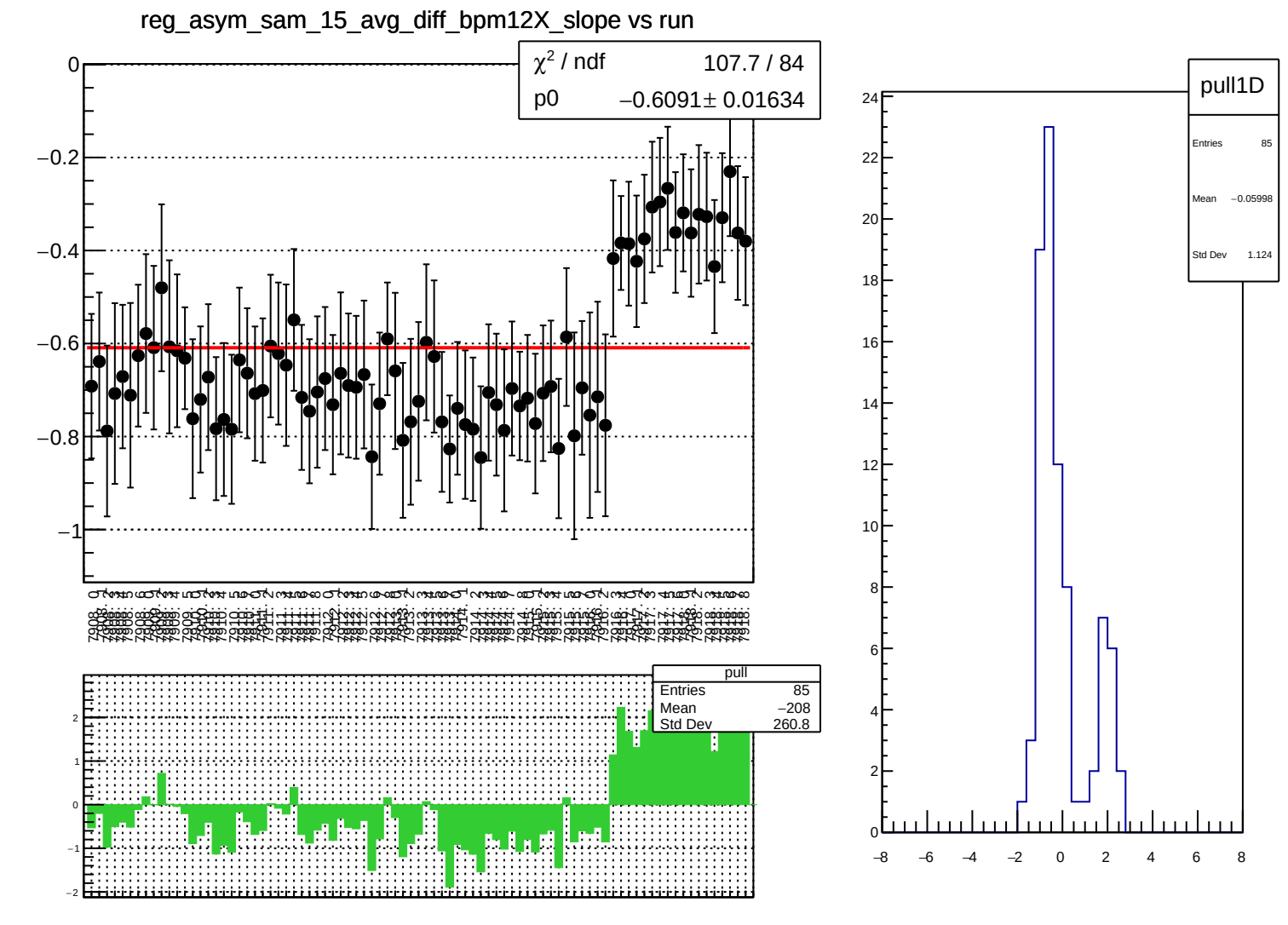

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.6 / 84
p0 32.42 ± 0.4684
pull
Entries 85
Mean 113.6
Std Dev 109.8

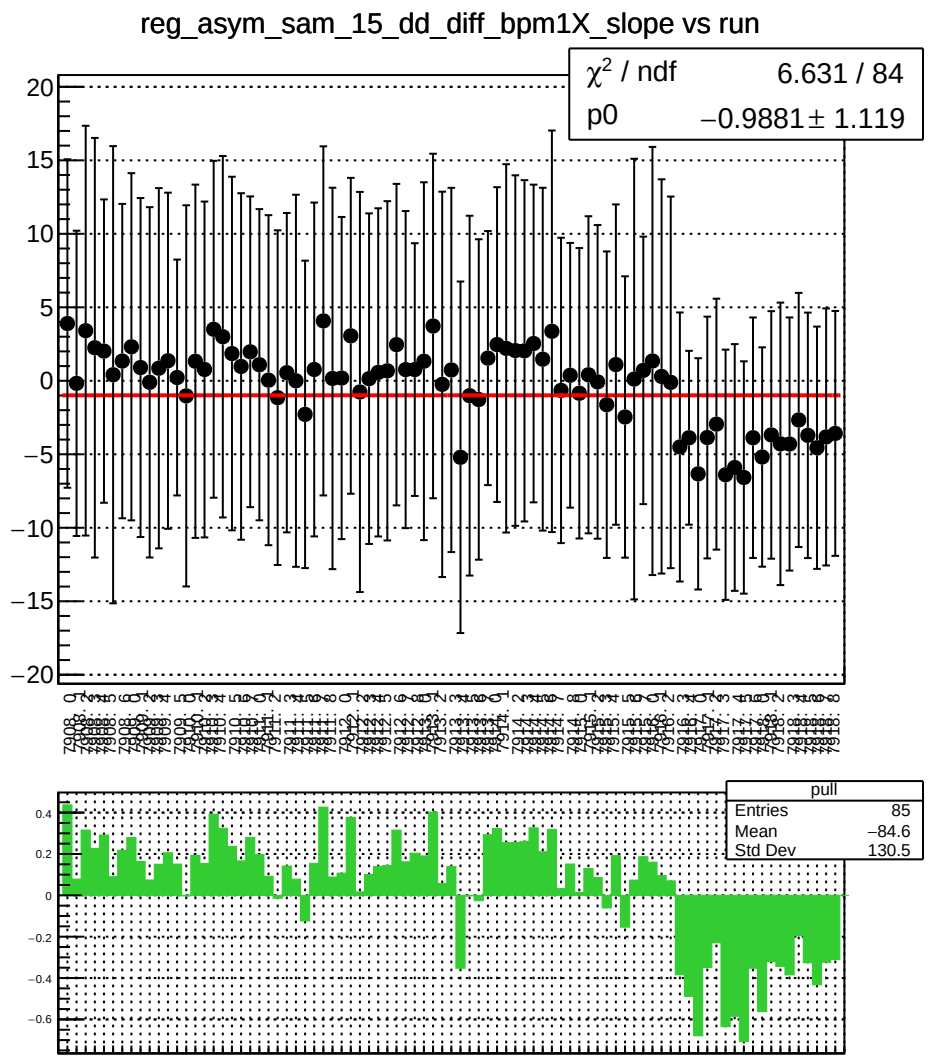

pull1D
Entries 85
Mean 0.02175
Std Dev 0.5797

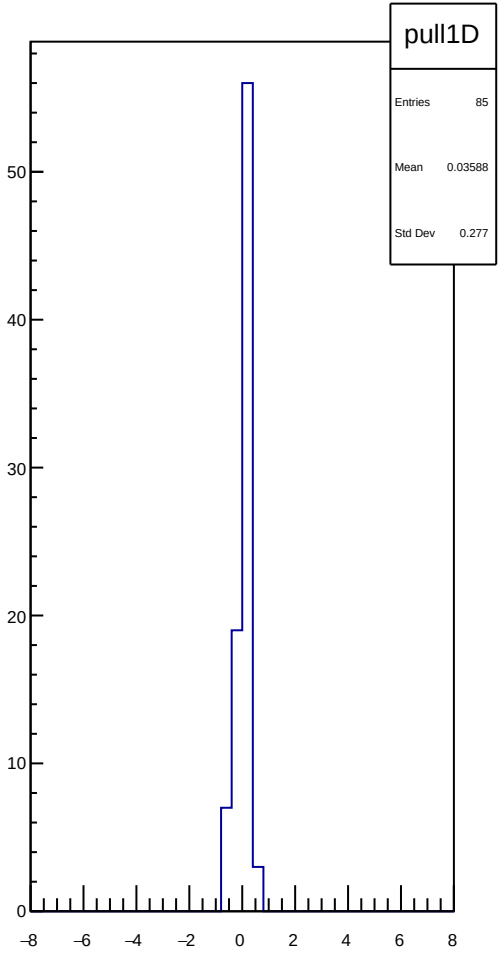

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.4 / 84
p0 12.36 ± 0.3948
pull
Entries 85
Mean −544.1
Std Dev 595.4
pull1D
Entries 85
Mean 0.02811
Std Dev 1.086

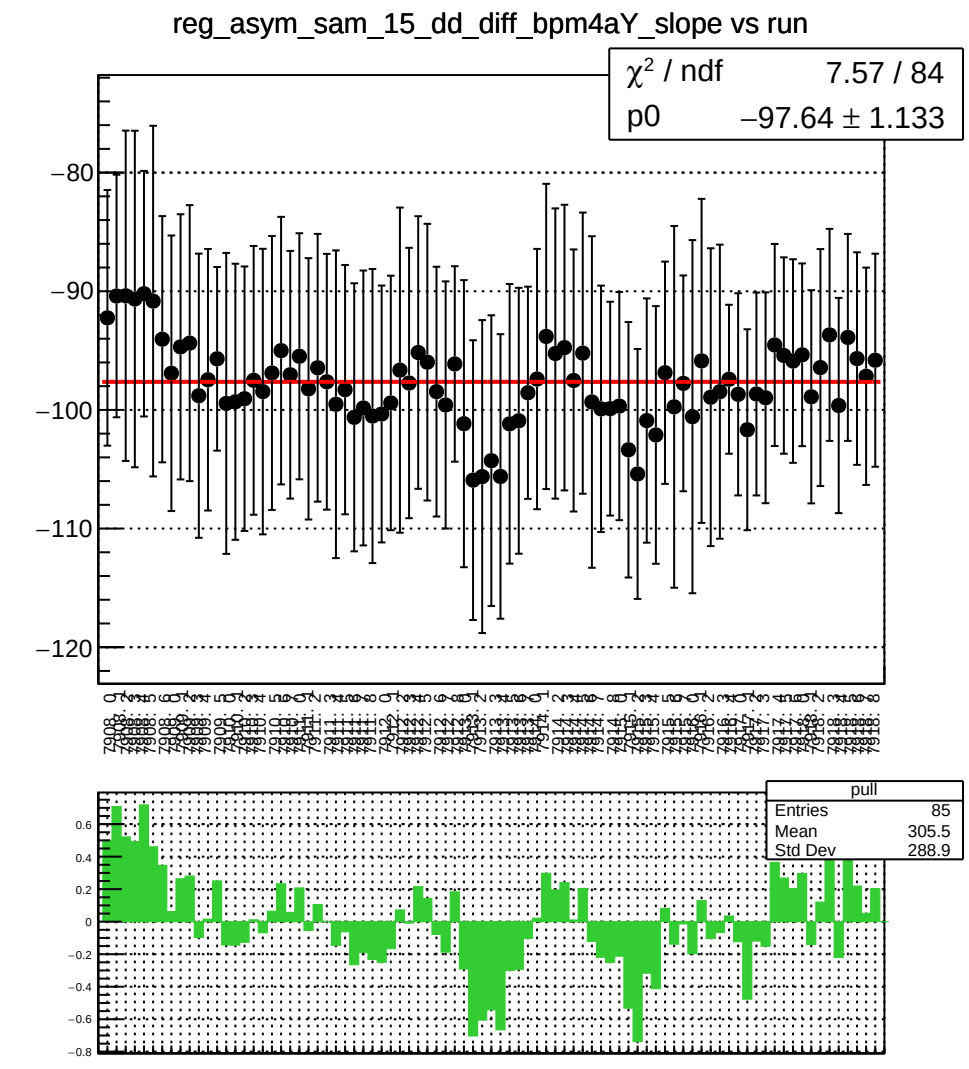

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.03 / 84
p0 19.73 ± 0.5448
pull
Entries 85
Mean 205.1
Std Dev 185.4

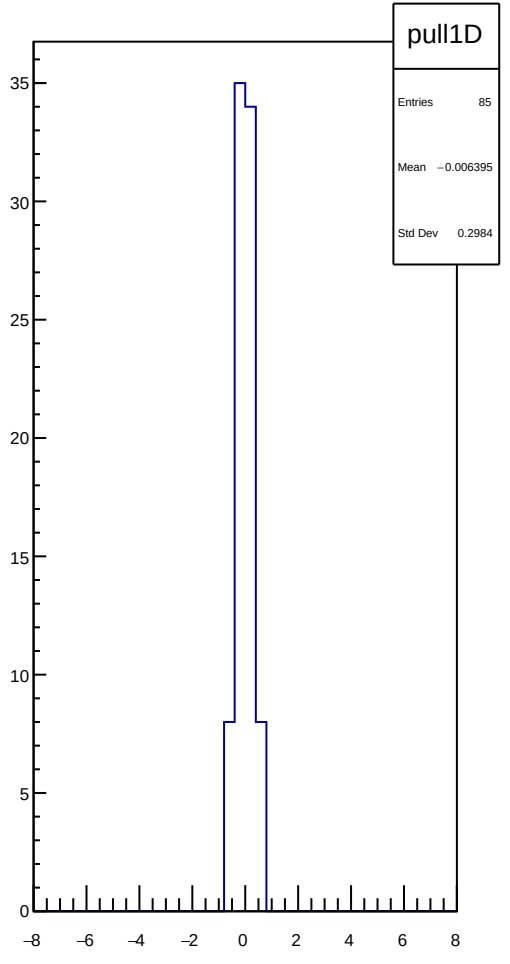

pull1D
Entries 85
Mean −0.01937
Std Dev 0.6039

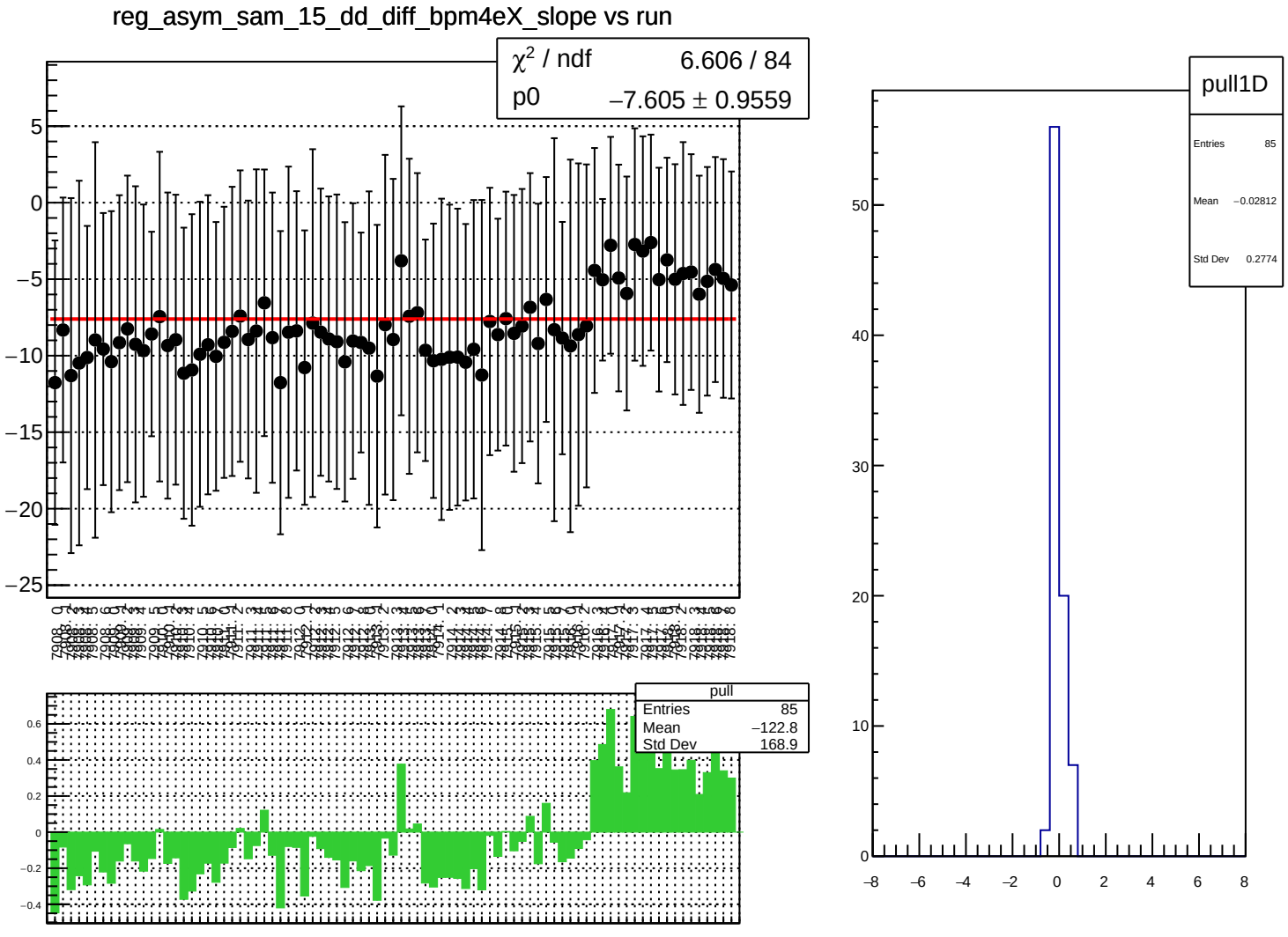

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 107.7 / 84
p0 −0.6091± 0.01634
pull
Entries 85
Mean −208
Std Dev 260.8
pull1D
Entries 85
Mean −0.05998
Std Dev 1.124

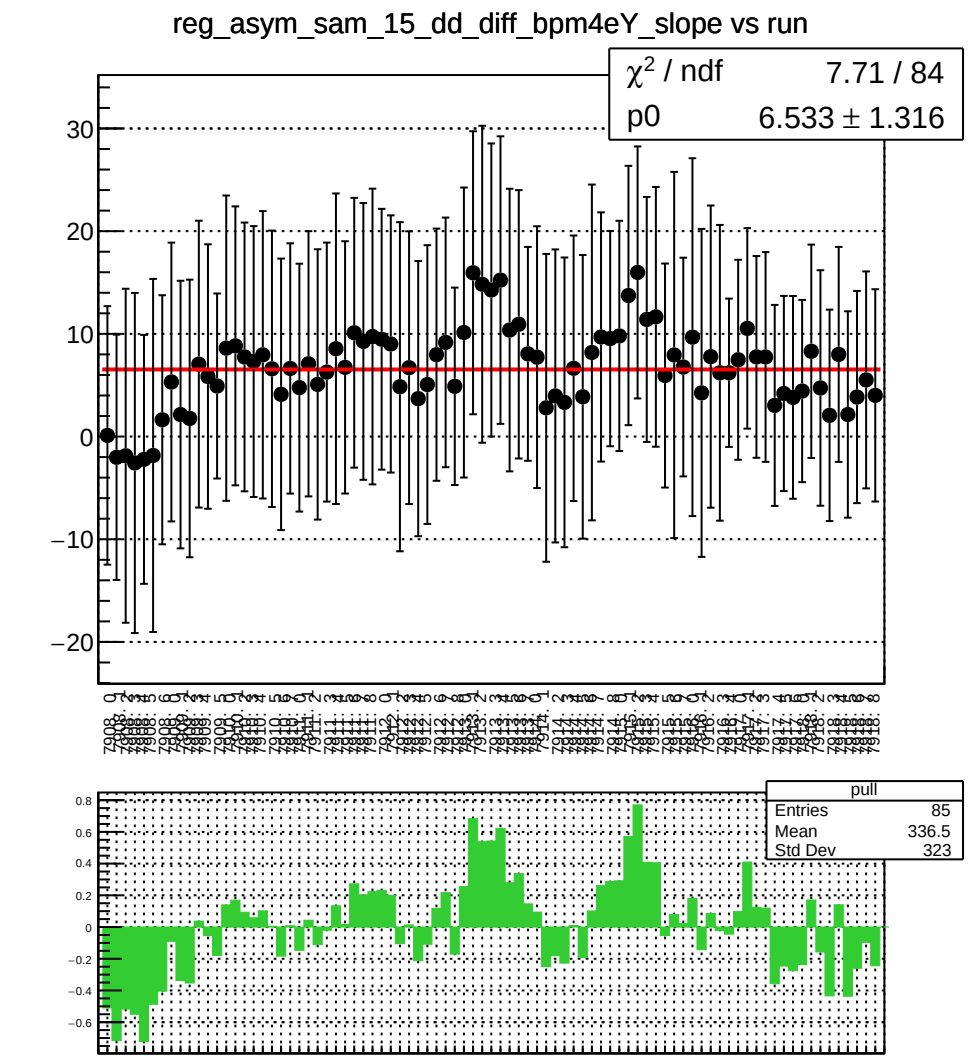

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 6.631 / 84
p0 −0.9881 ± 1.119
pull
Entries 85
Mean −84.6
Std Dev 130.5

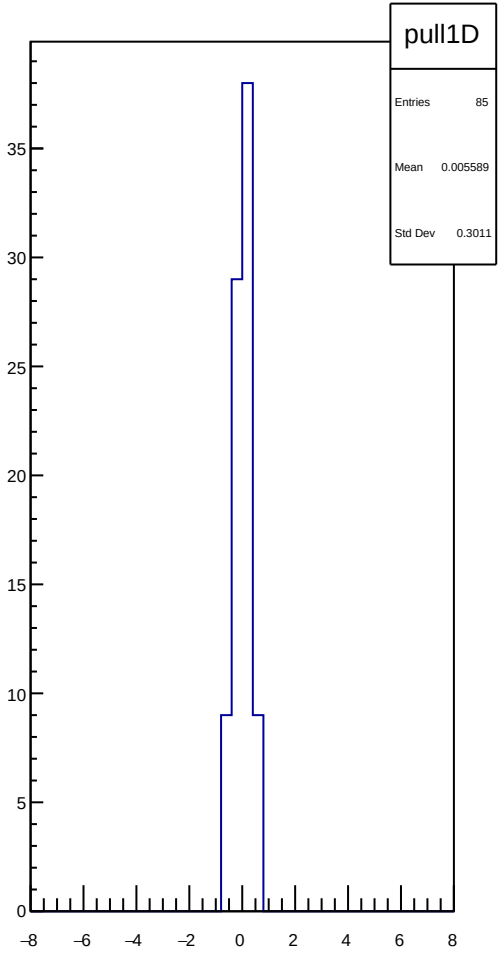

pull1D
Entries 85
Mean 0.03588
Std Dev 0.277

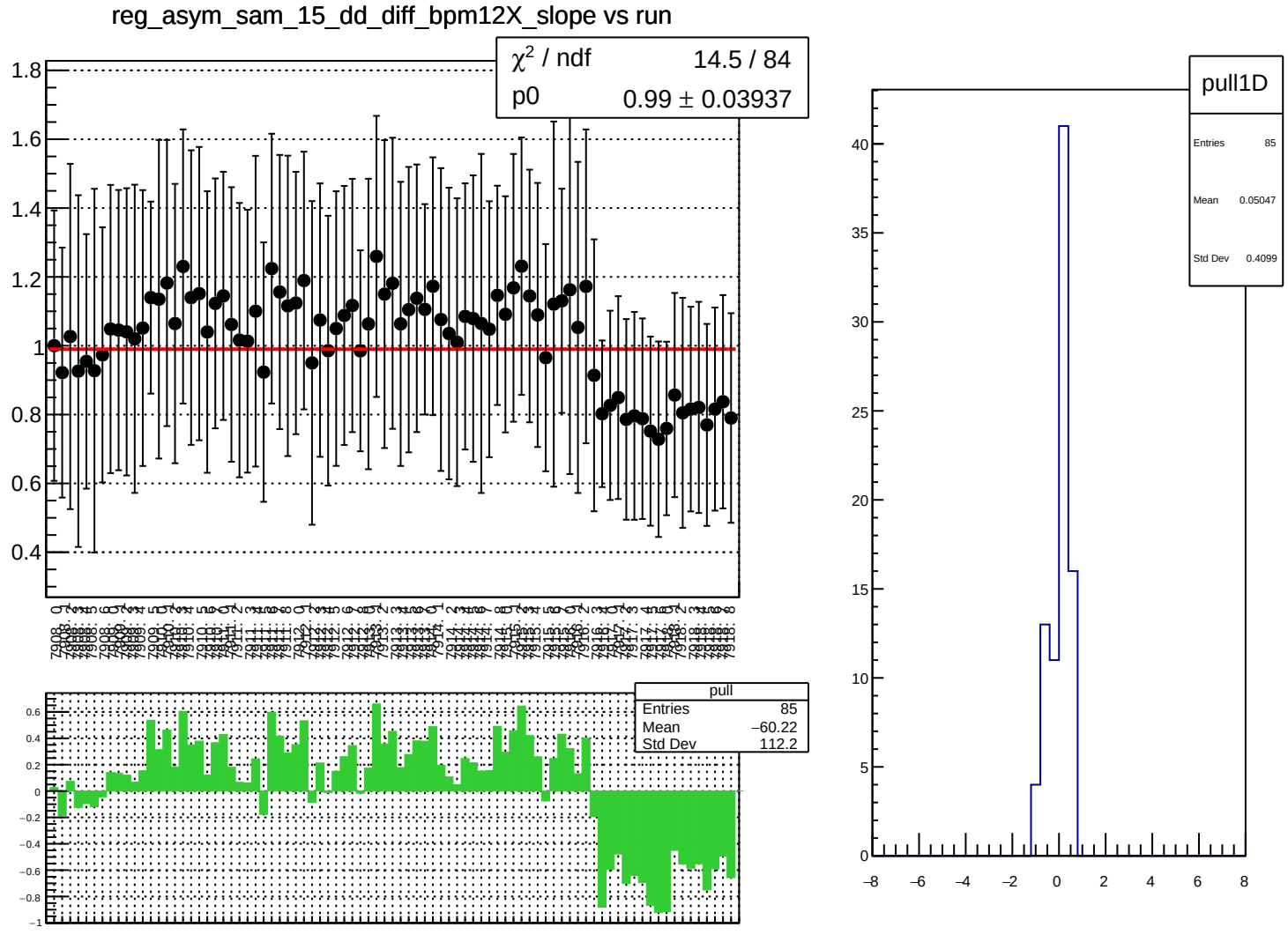

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.57 / 84
p0 −97.64 ± 1.133
−80
−90
−100
−110
−120
pull
Entries 85
Mean 305.5
Std Dev 288.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

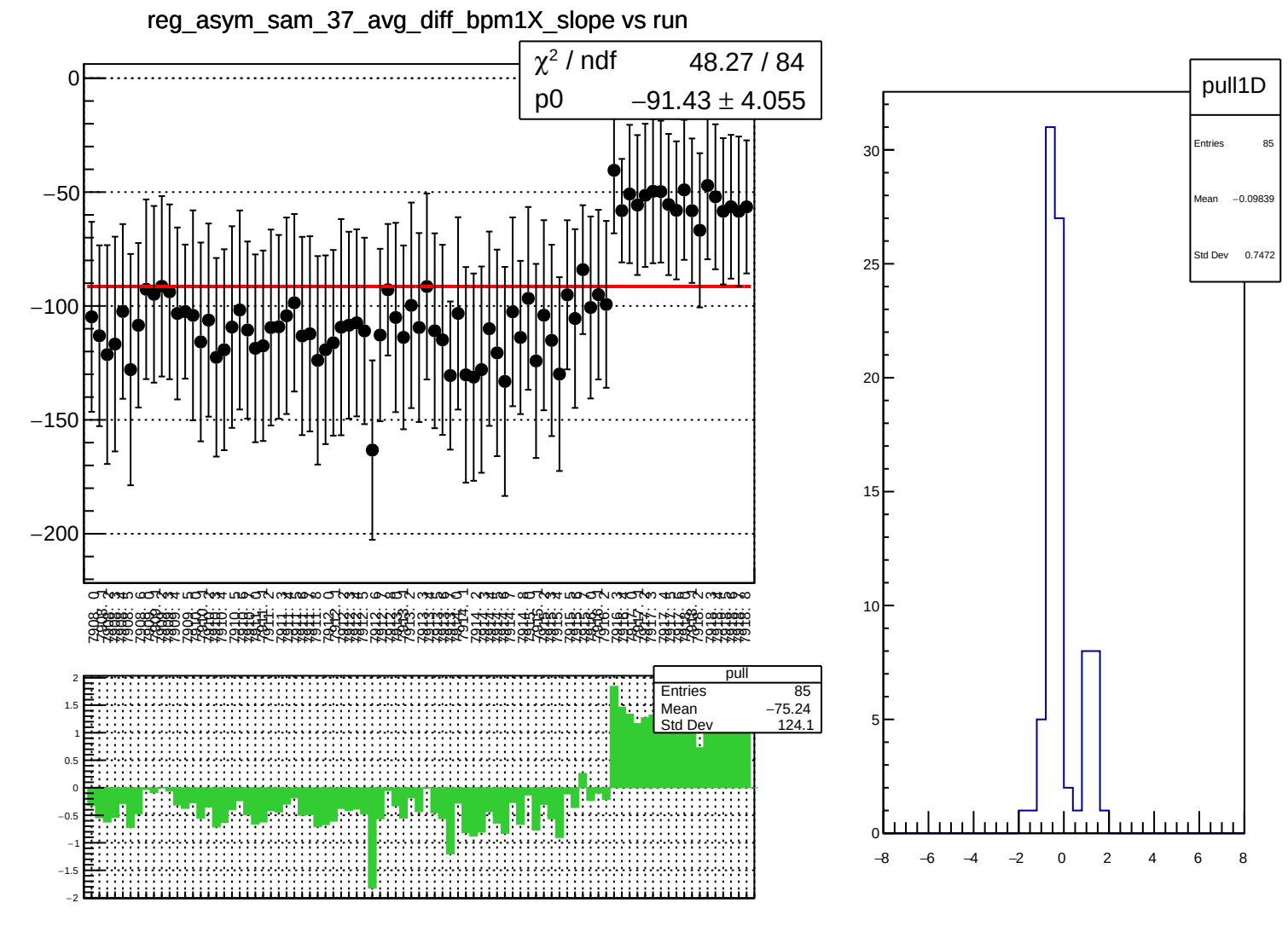

pull1D
Entries 85
Mean −0.006395
Std Dev 0.2984
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

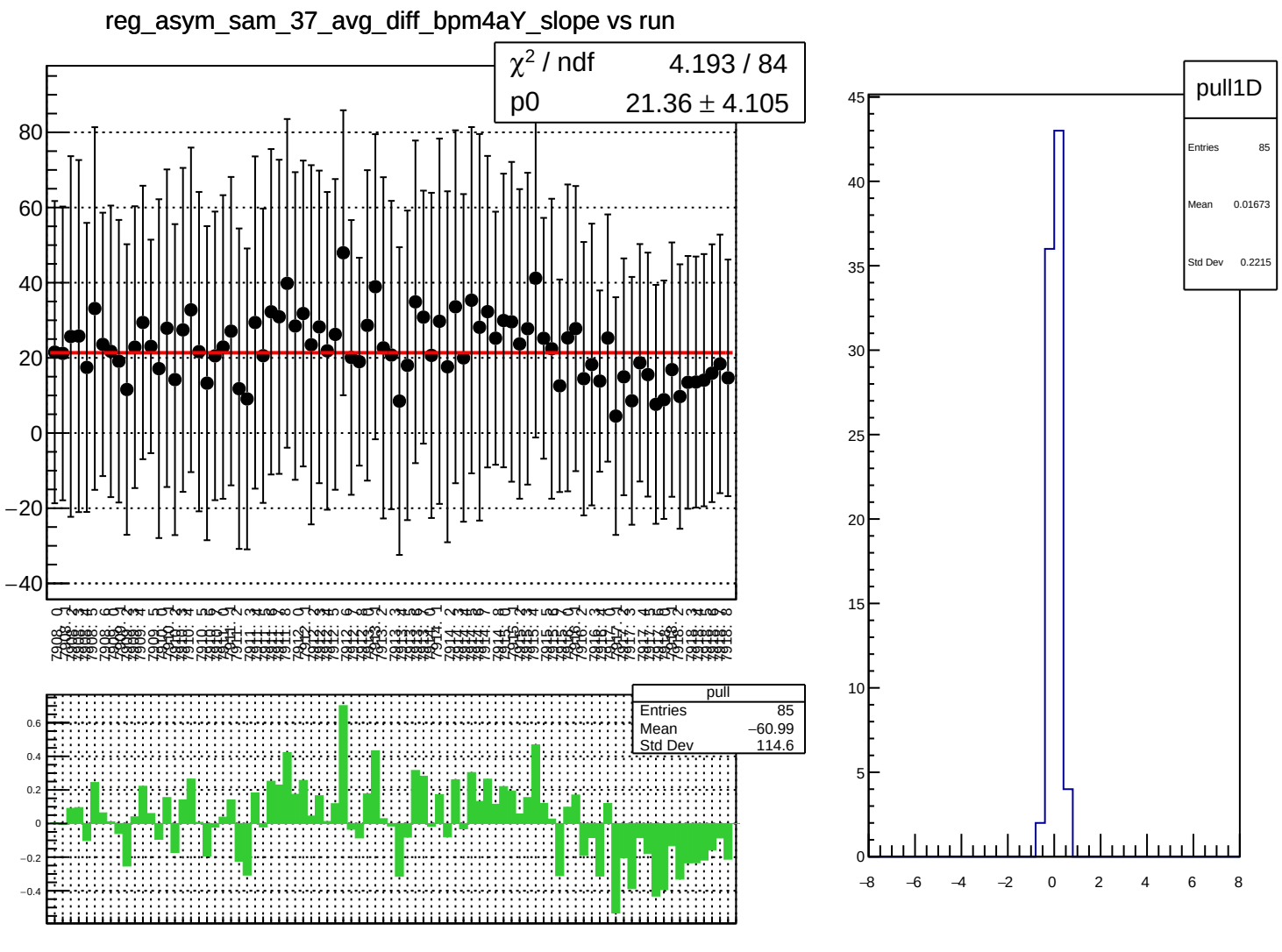

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.606 / 84
p0 −7.605 ± 0.9559
pull
Entries 85
Mean −122.8
Std Dev 168.9
pull1D
Entries 85
Mean −0.02812
Std Dev 0.2774

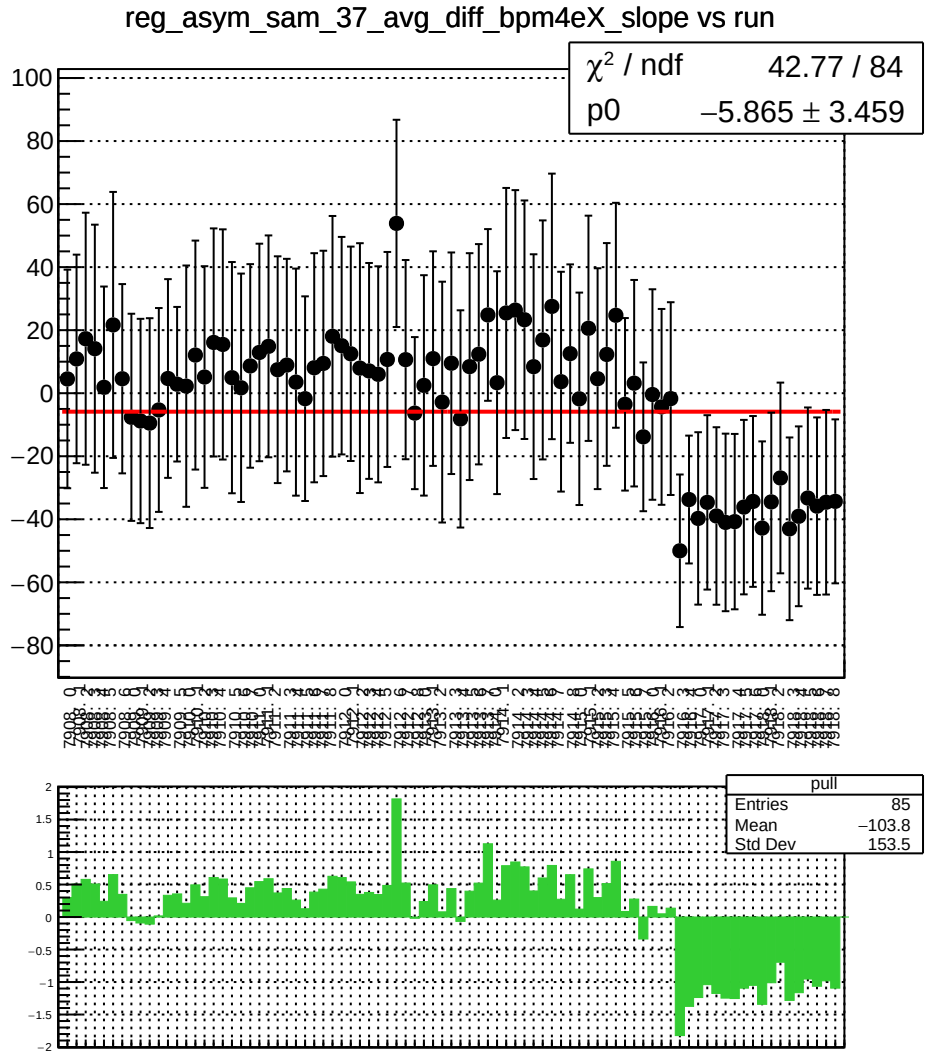

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.71 / 84
p0 6.533 ± 1.316
pull
Entries 85
Mean 336.5
Std Dev 323

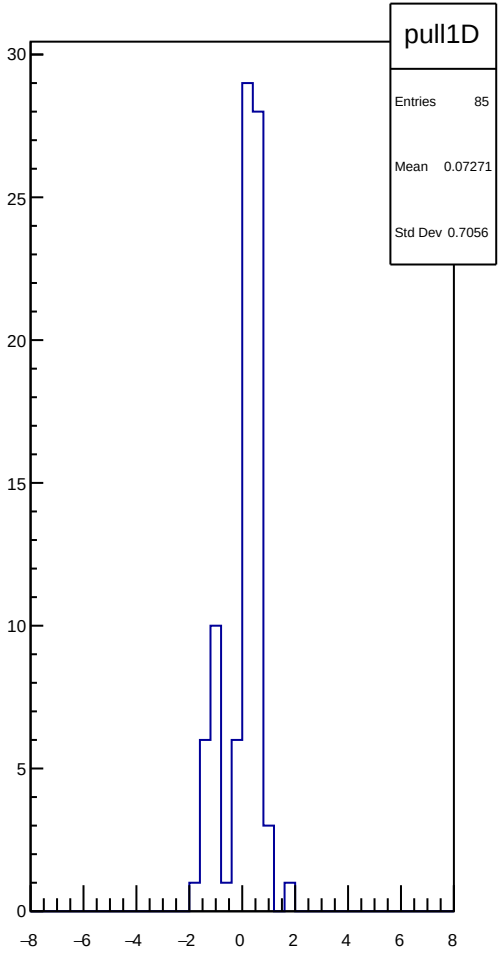

pull1D
Entries 85
Mean 0.005589
Std Dev 0.3011

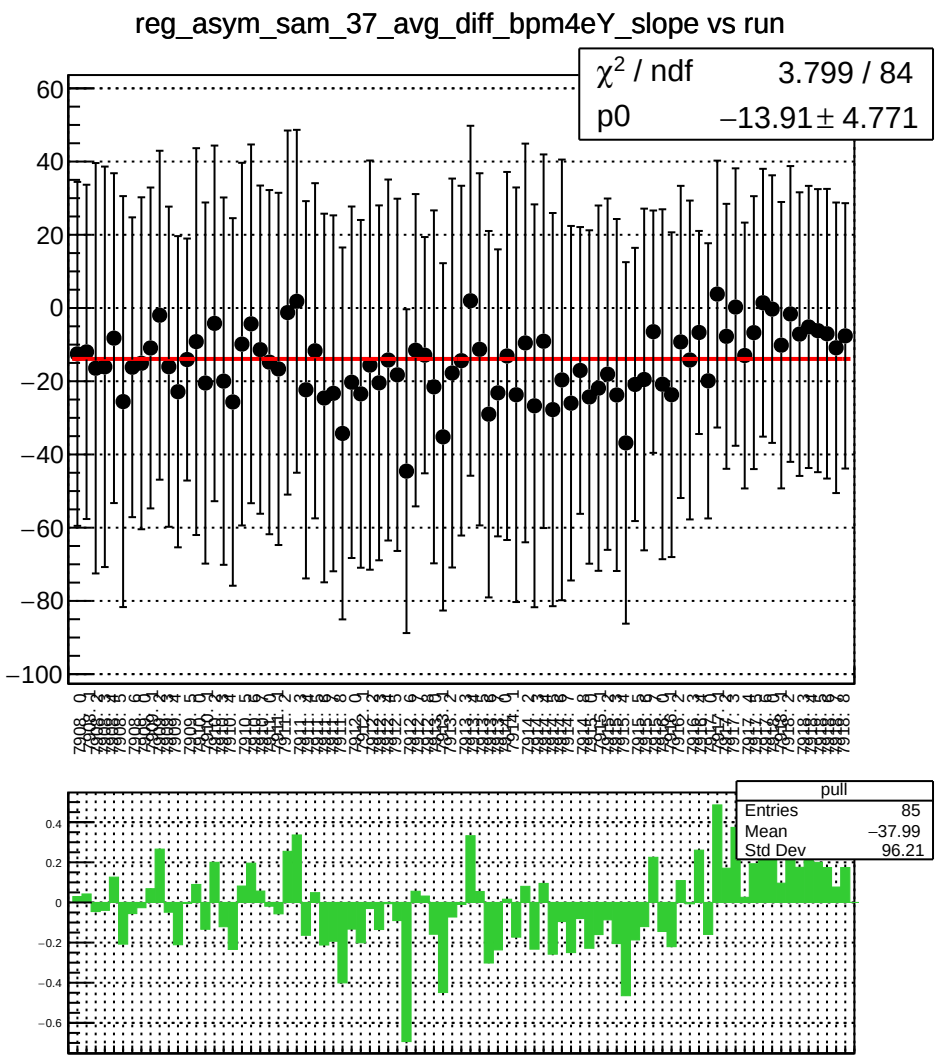

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 14.5 / 84
p0 0.99 ± 0.03937
pull
Entries 85
Mean −60.22
Std Dev 112.2
pull1D
Entries 85
Mean 0.05047
Std Dev 0.4099

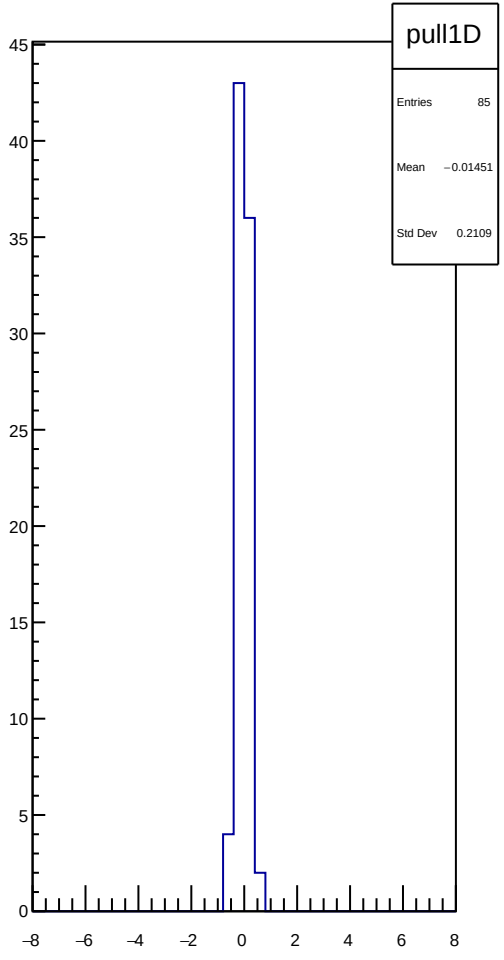

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 48.27 / 84
p0 −91.43 ± 4.055
0
−50
−100
−150
−200
pull
Entries 85
Mean −75.24
Std Dev 124.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.09839
Std Dev 0.7472
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

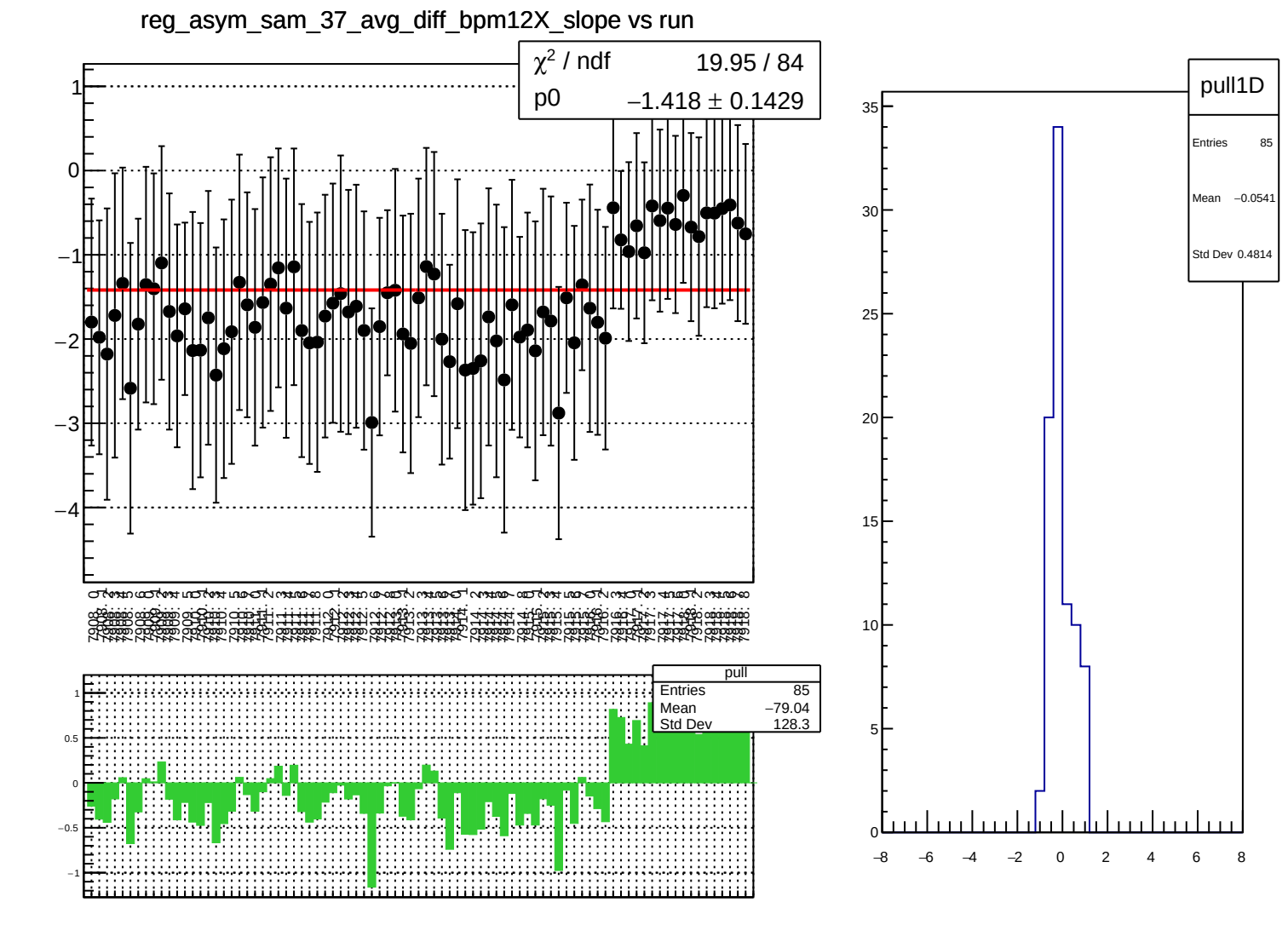

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.193 / 84
p0 21.36 ± 4.105
pull
Entries 85
Mean −60.99
Std Dev 114.6
pull1D
Entries 85
Mean 0.01673
Std Dev 0.2215

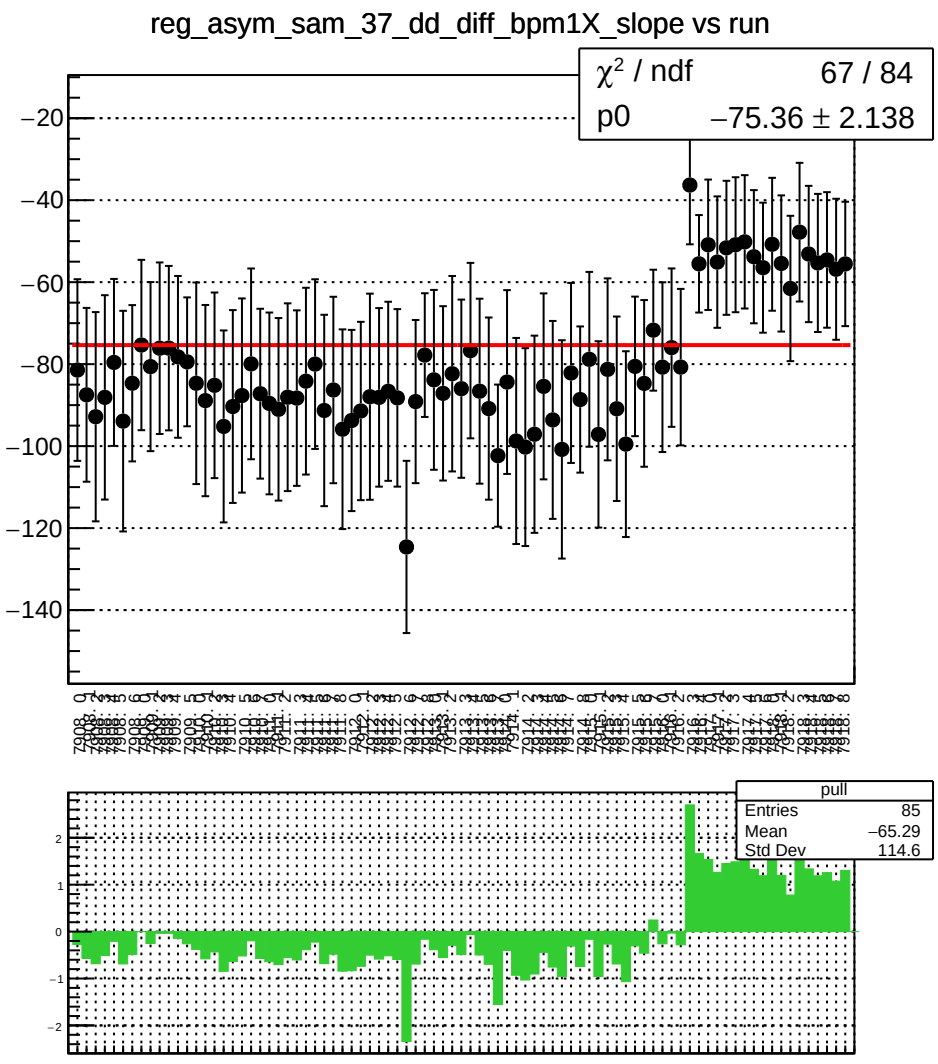

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.77 / 84
p0 −5.865 ± 3.459
pull
Entries 85
Mean −103.8
Std Dev 153.5

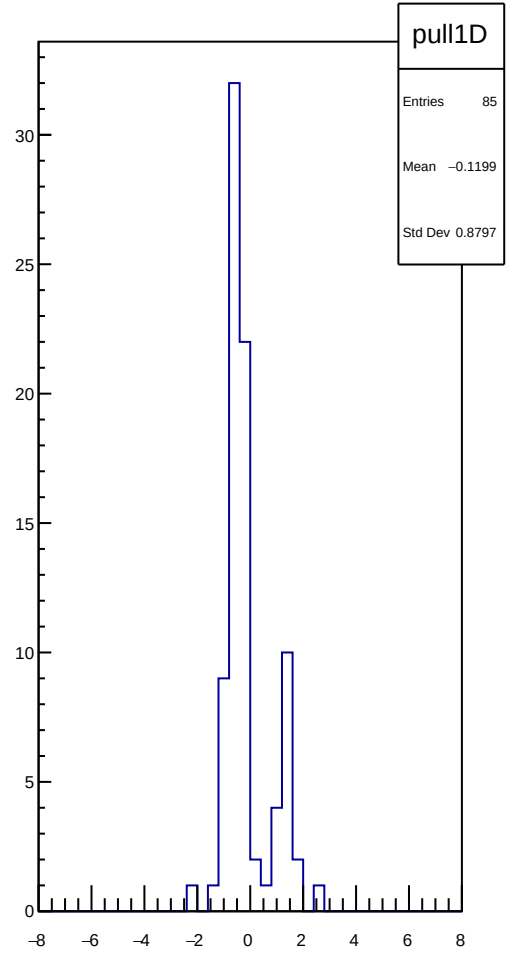

pull1D
Entries 85
Mean 0.07271
Std Dev 0.7056

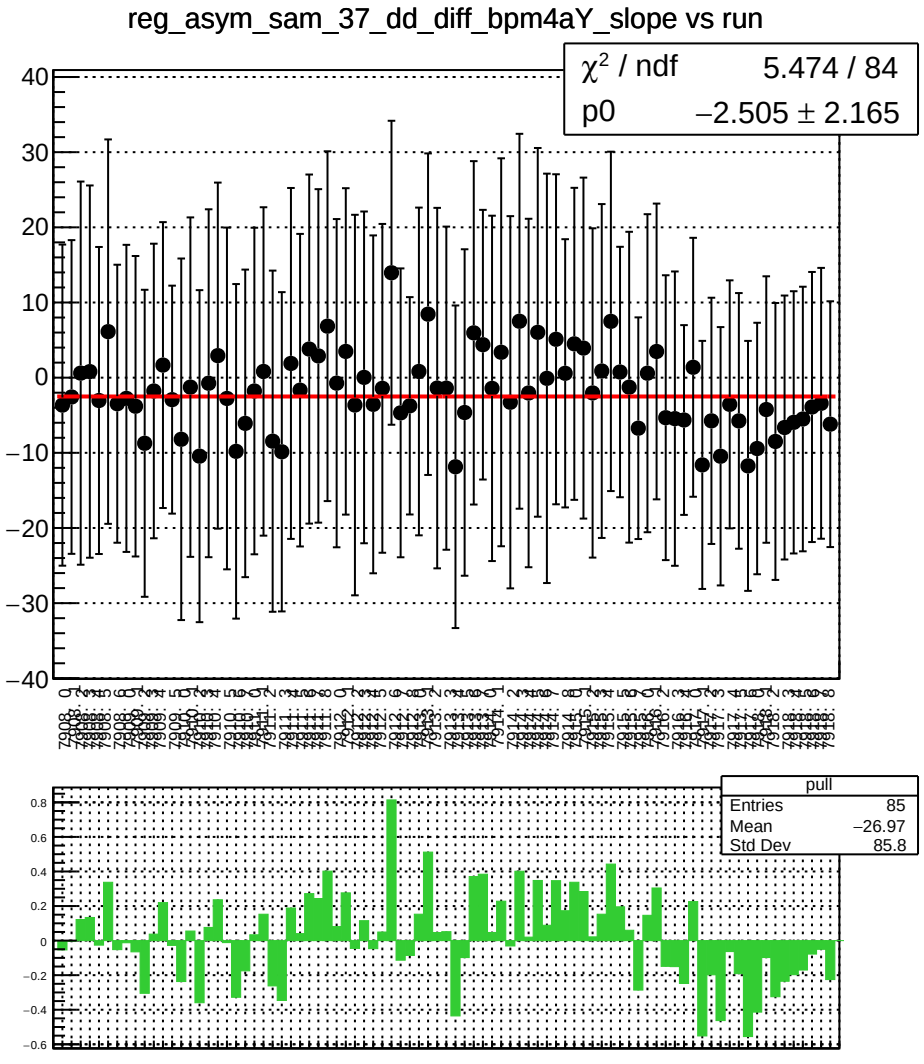

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.799 / 84
p0 −13.91 ± 4.771
pull
Entries 85
Mean −37.99
Std Dev 96.21

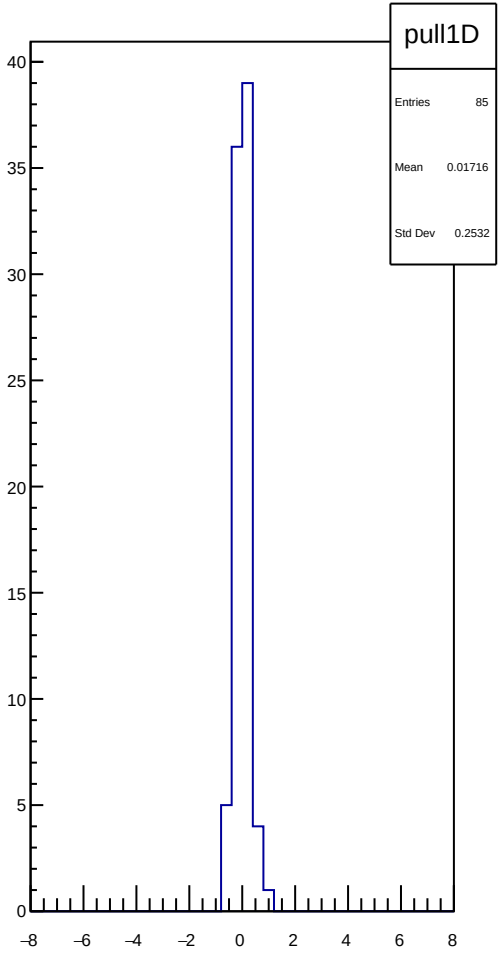

pull1D
Entries 85
Mean −0.01451
Std Dev 0.2109

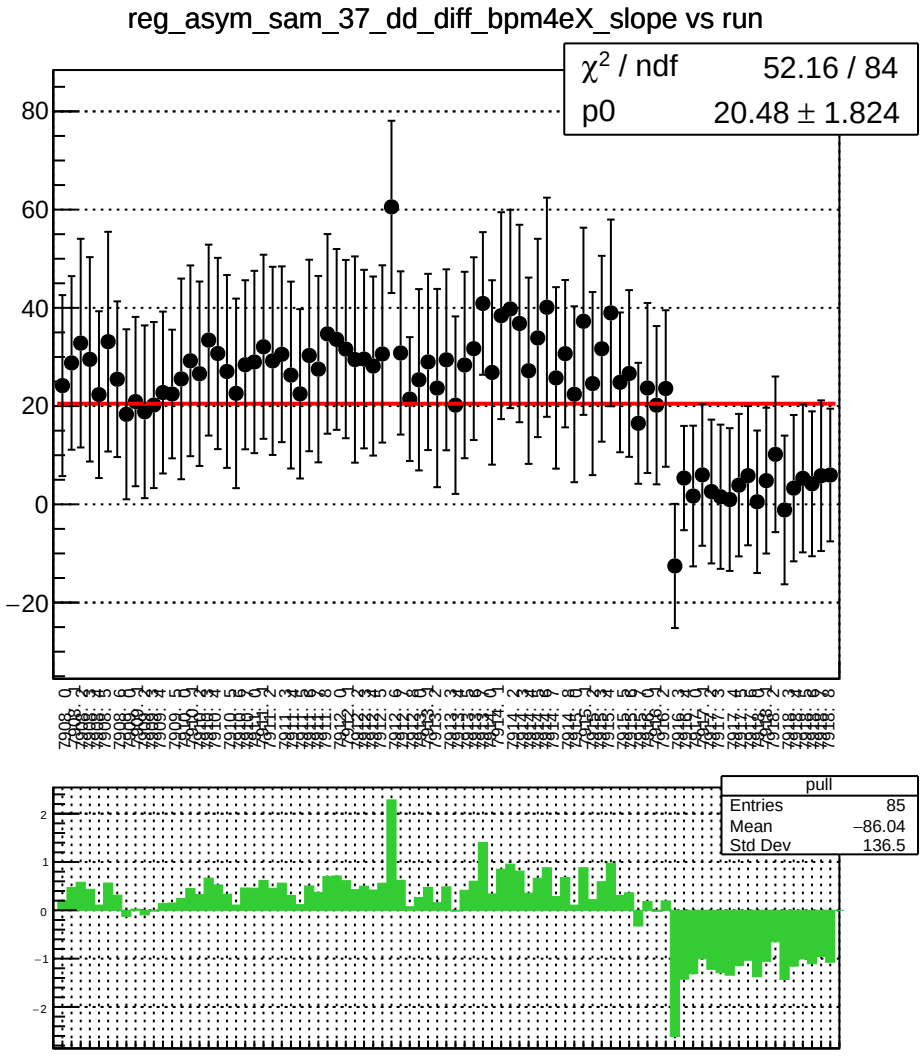

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 19.95 / 84
p0 −1.418 ± 0.1429
pull
Entries 85
Mean −79.04
Std Dev 128.3
pull1D
Entries 85
Mean −0.0541
Std Dev 0.4814

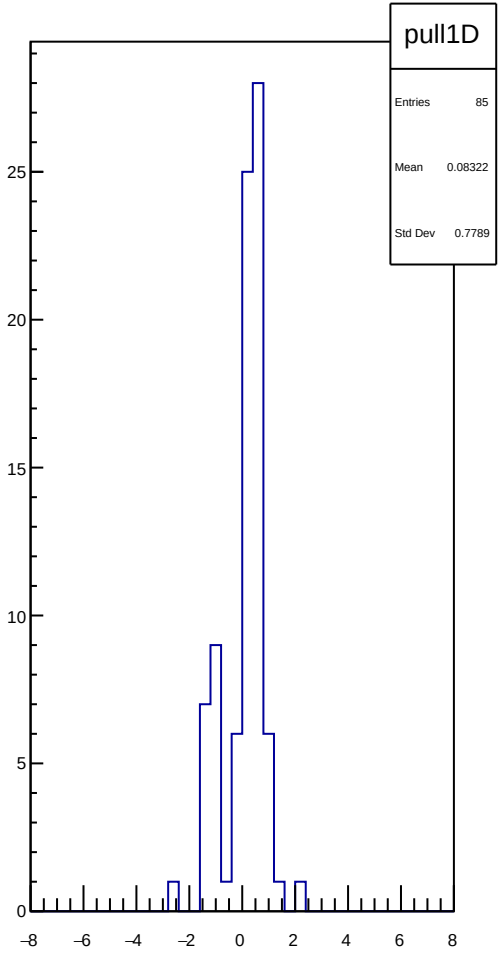

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 67 / 84
p0 −75.36 ± 2.138
pull
Entries 85
Mean −65.29
Std Dev 114.6

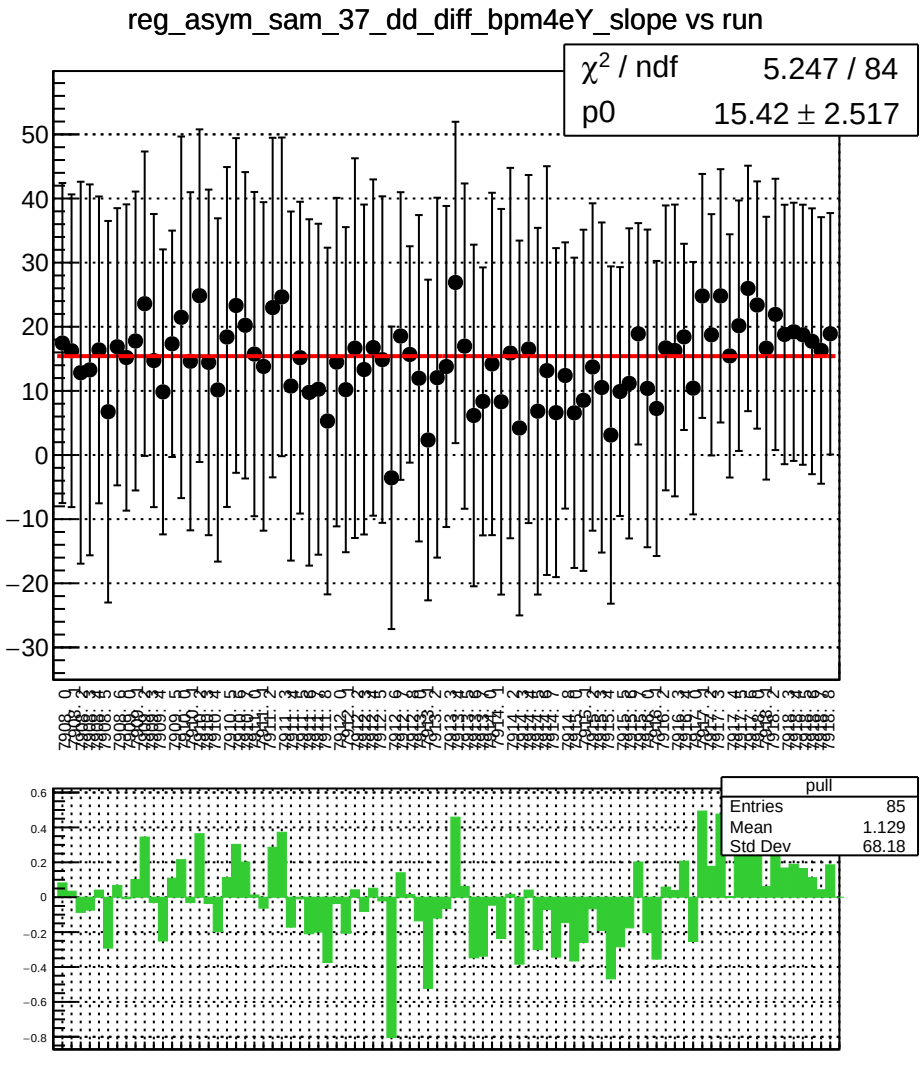

pull1D
Entries 85
Mean −0.1199
Std Dev 0.8797

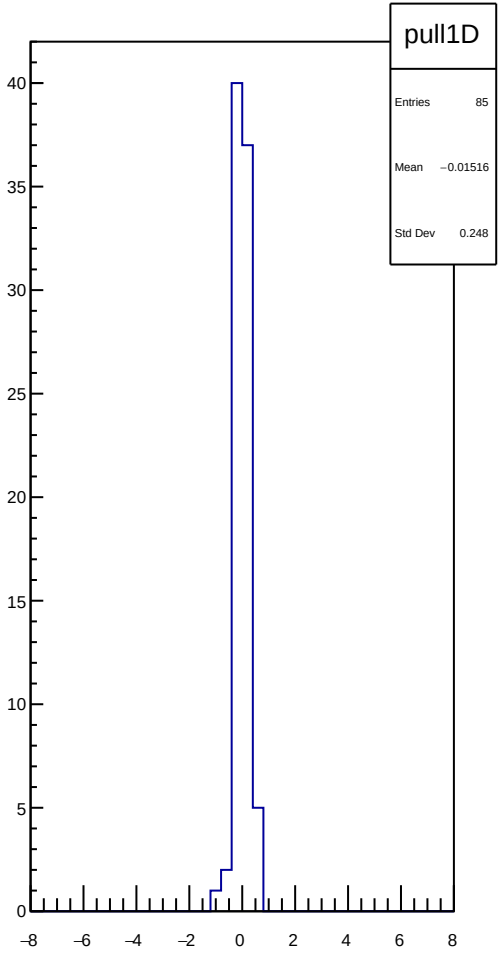

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.474 / 84
p0 −2.505 ± 2.165
pull
Entries 85
Mean −26.97
Std Dev 85.8

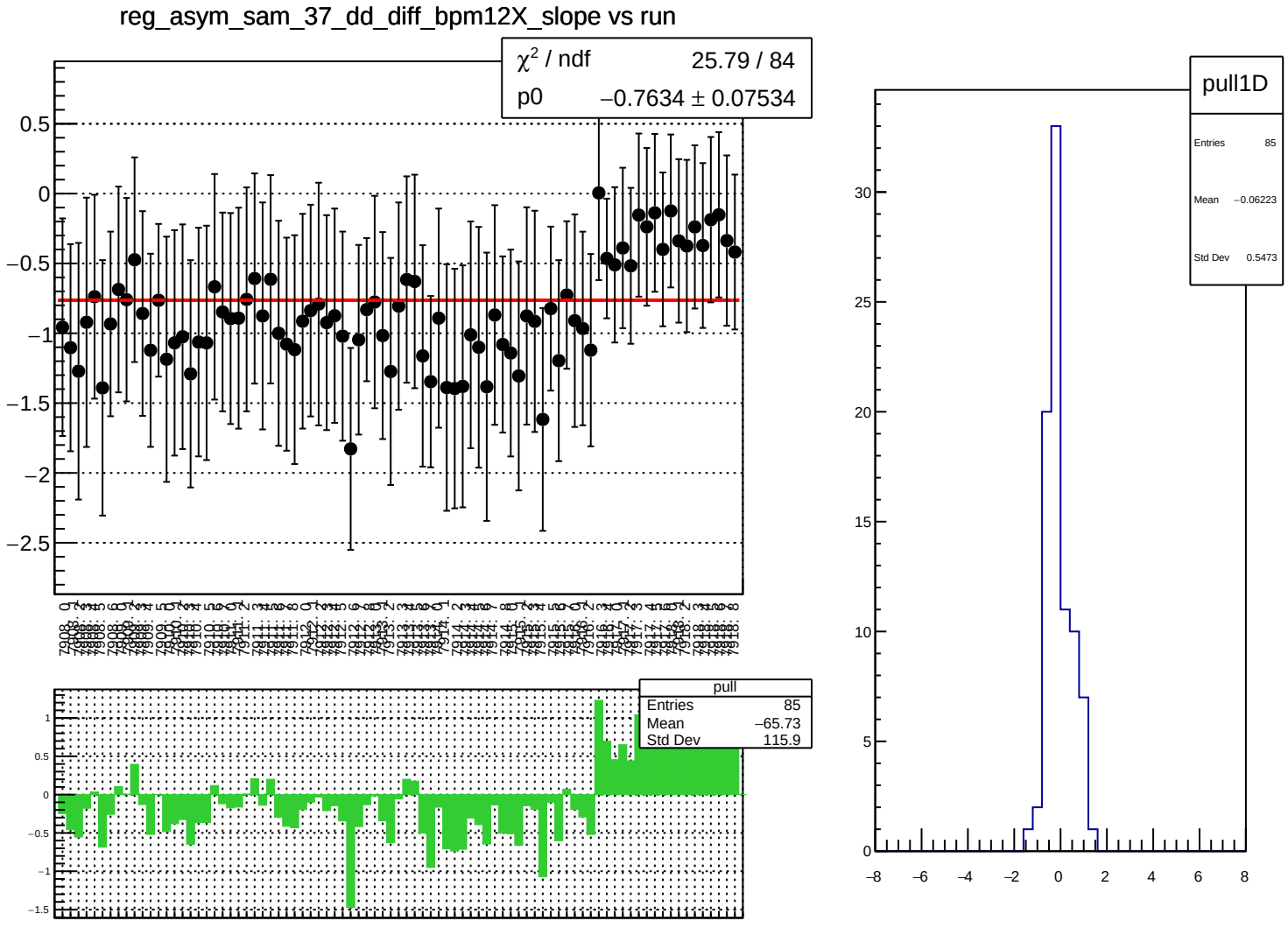

pull1D
Entries 85
Mean 0.01716
Std Dev 0.2532

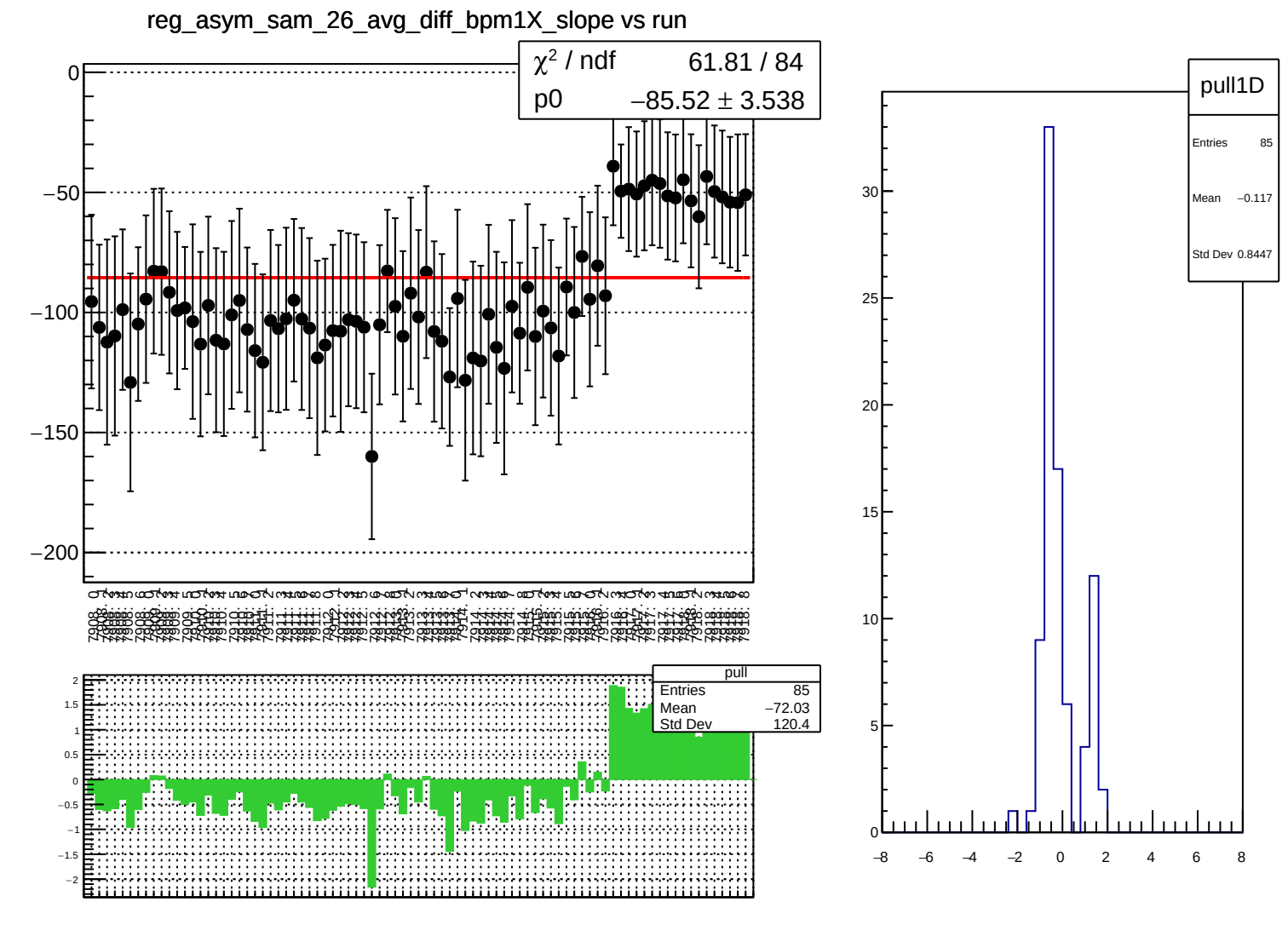

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.16 / 84
p0 20.48 ± 1.824
pull
Entries 85
Mean −86.04
Std Dev 136.5

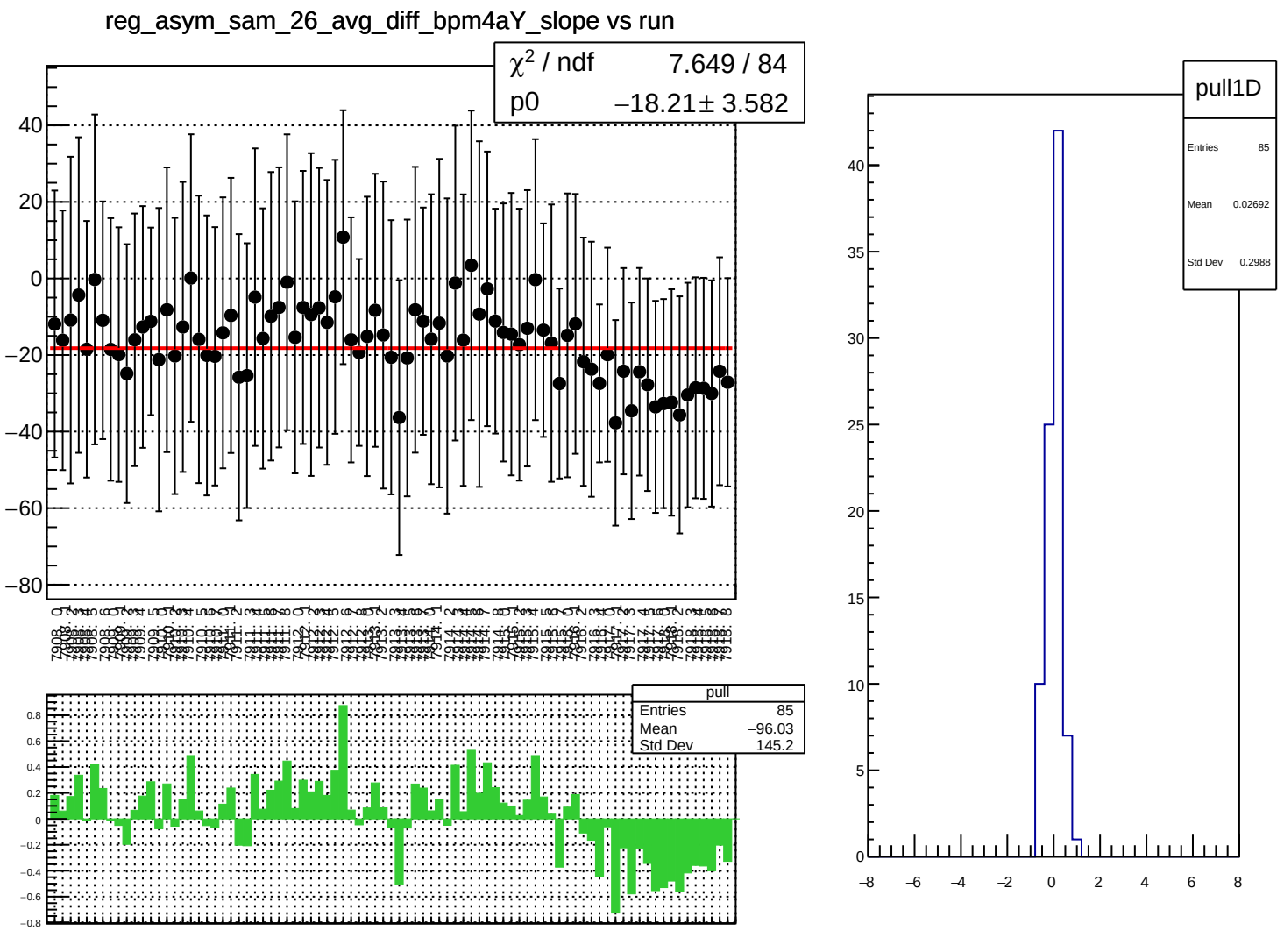

pull1D
Entries 85
Mean 0.08322
Std Dev 0.7789

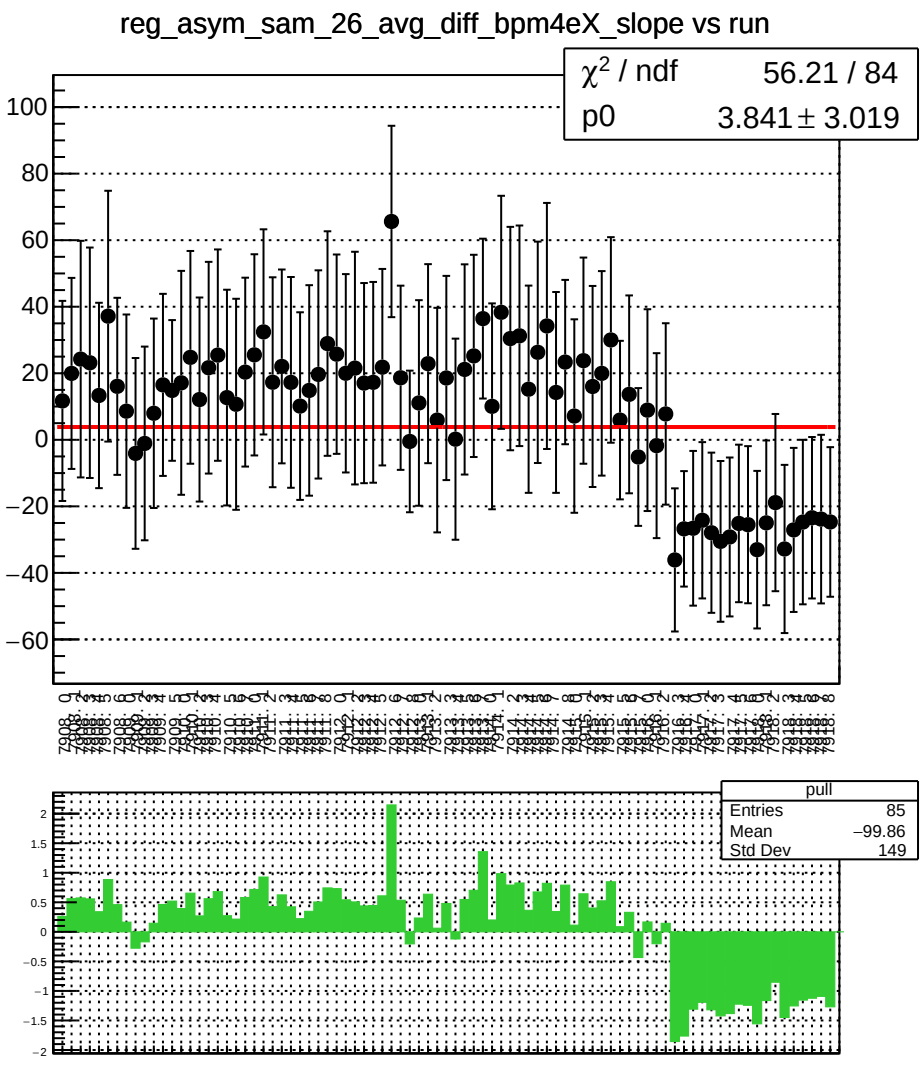

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.247 / 84
p0 15.42 ± 2.517
pull
Entries 85
Mean 1.129
Std Dev 68.18

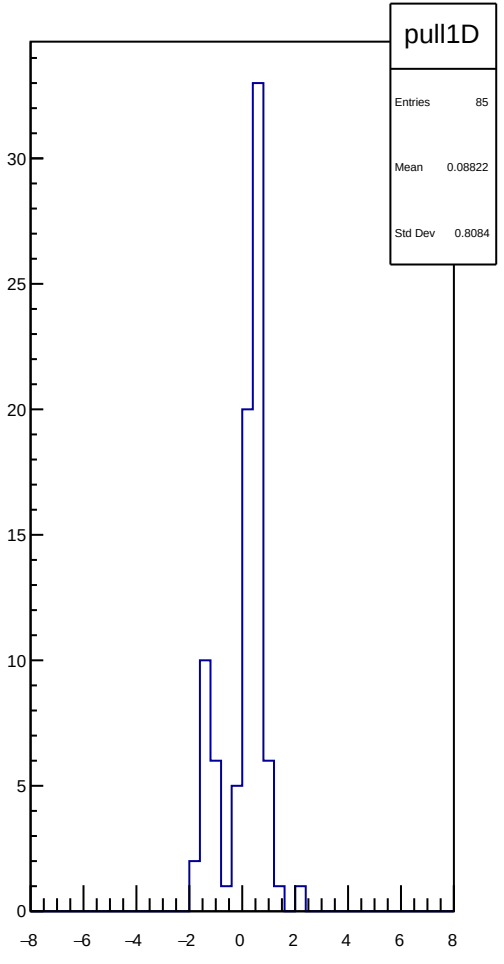

pull1D
Entries 85
Mean −0.01516
Std Dev 0.248

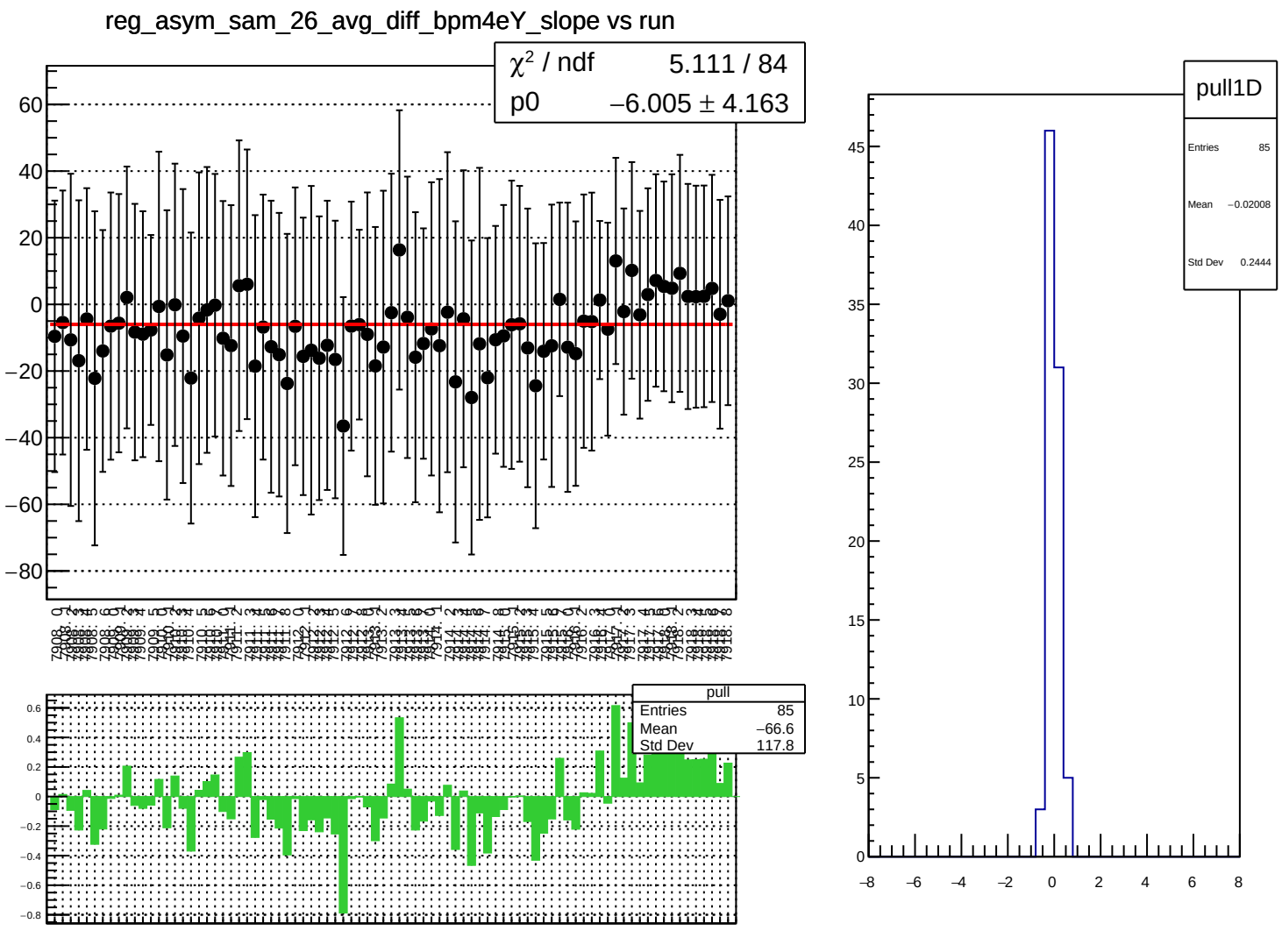

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 25.79 / 84
p0 −0.7634 ± 0.07534
pull
Entries 85
Mean −65.73
Std Dev 115.9
pull1D
Entries 85
Mean −0.06223
Std Dev 0.5473

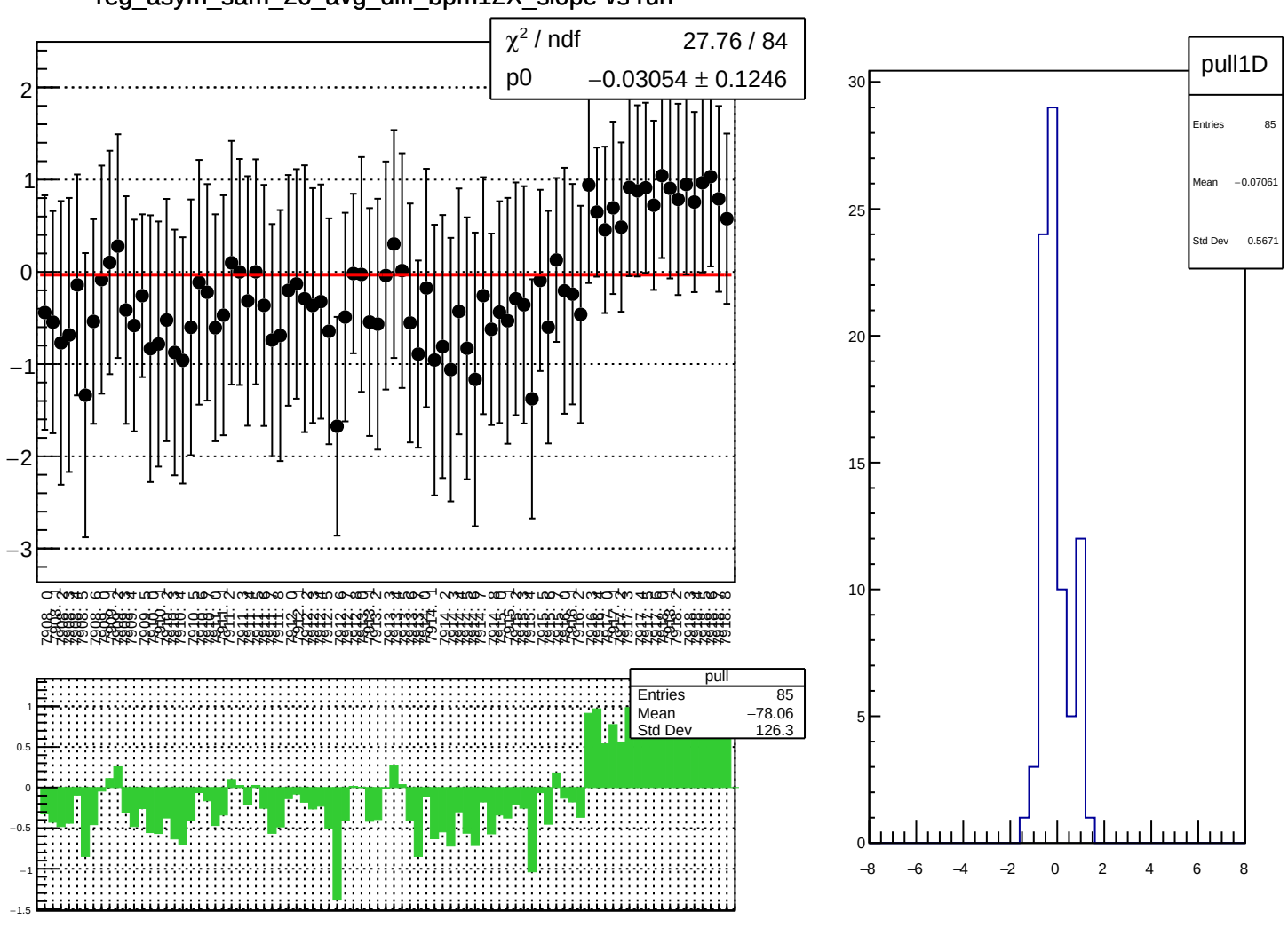

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 61.81 / 84
p0 −85.52 ± 3.538
pull
Entries 85
Mean −72.03
Std Dev 120.4
pull1D
Entries 85
Mean −0.117
Std Dev 0.8447

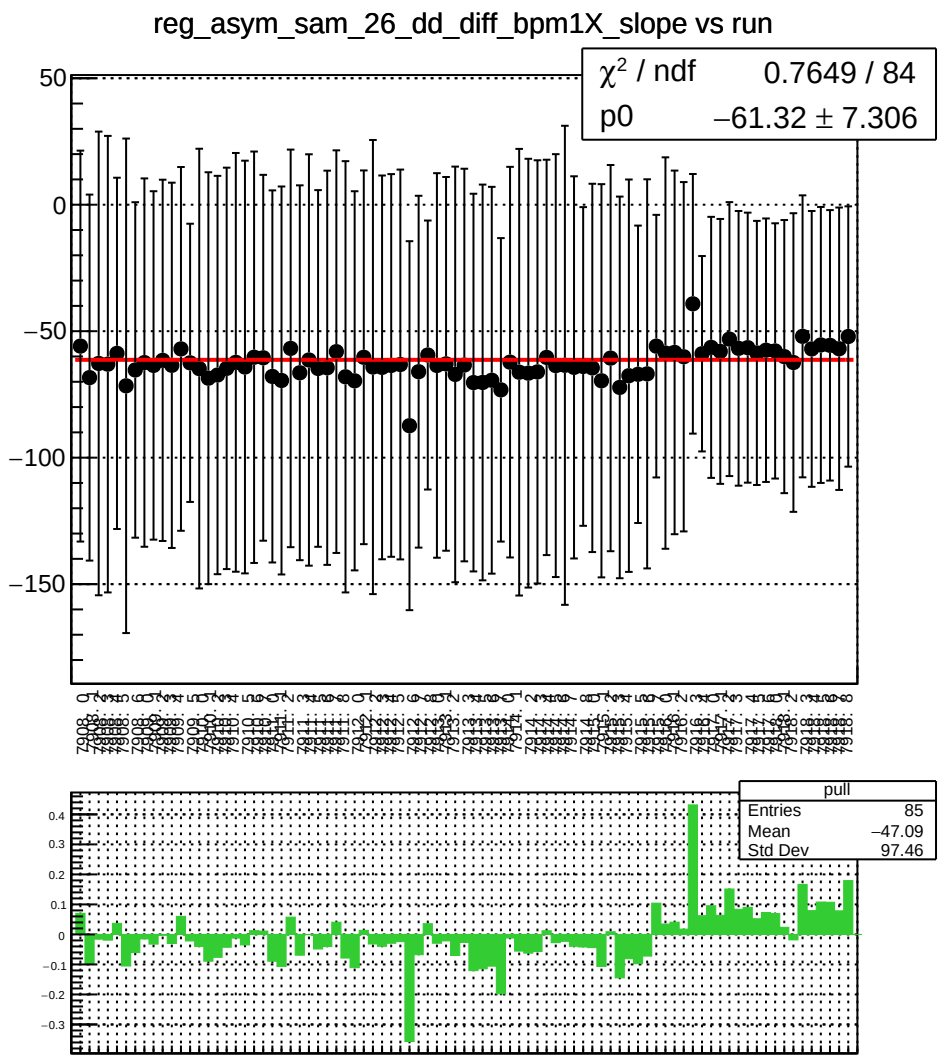

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.649 / 84
p0 −18.21 ± 3.582
pull
Entries 85
Mean −96.03
Std Dev 145.2
pull1D
Entries 85
Mean 0.02692
Std Dev 0.2988

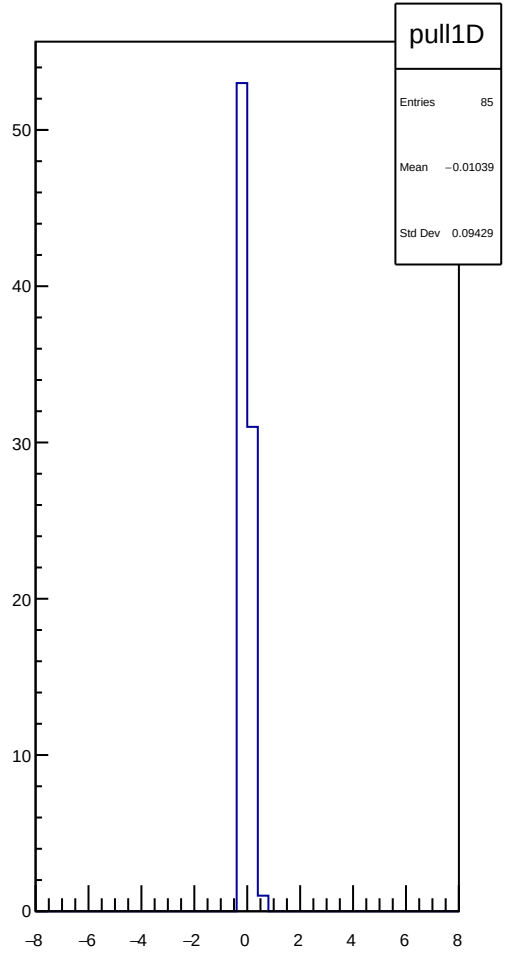

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.21 / 84
p0 3.841 ± 3.019
pull
Entries 85
Mean −99.86
Std Dev 149

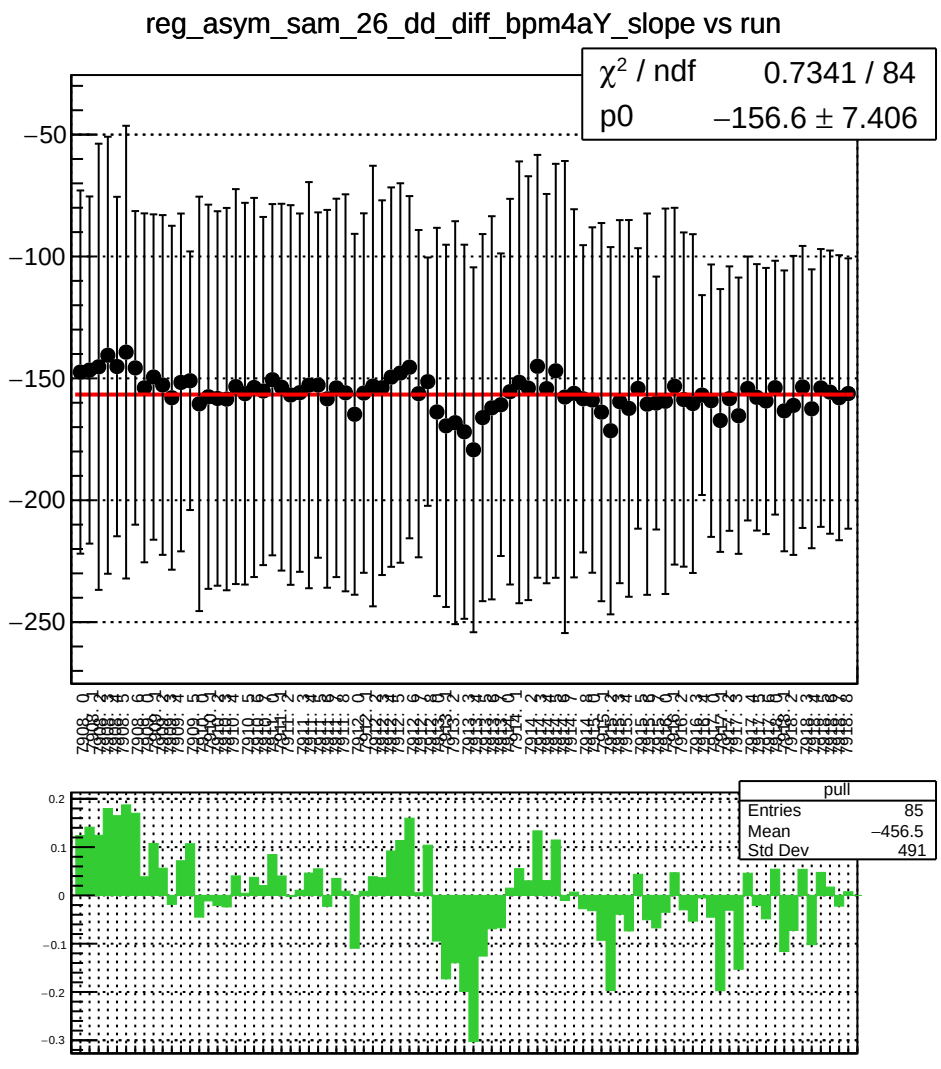

pull1D
Entries 85
Mean 0.08822
Std Dev 0.8084

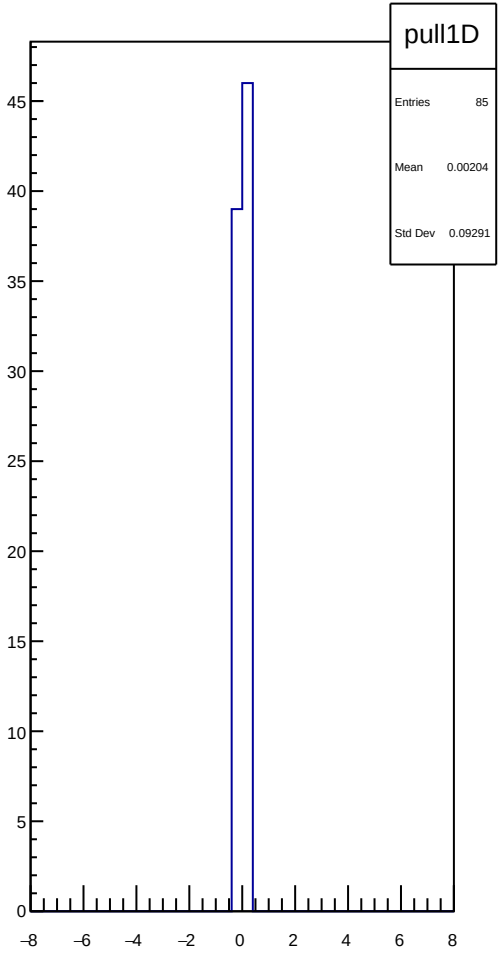

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.111 / 84
p0 −6.005 ± 4.163
pull
Entries 85
Mean −66.6
Std Dev 117.8
pull1D
Entries 85
Mean −0.02008
Std Dev 0.2444

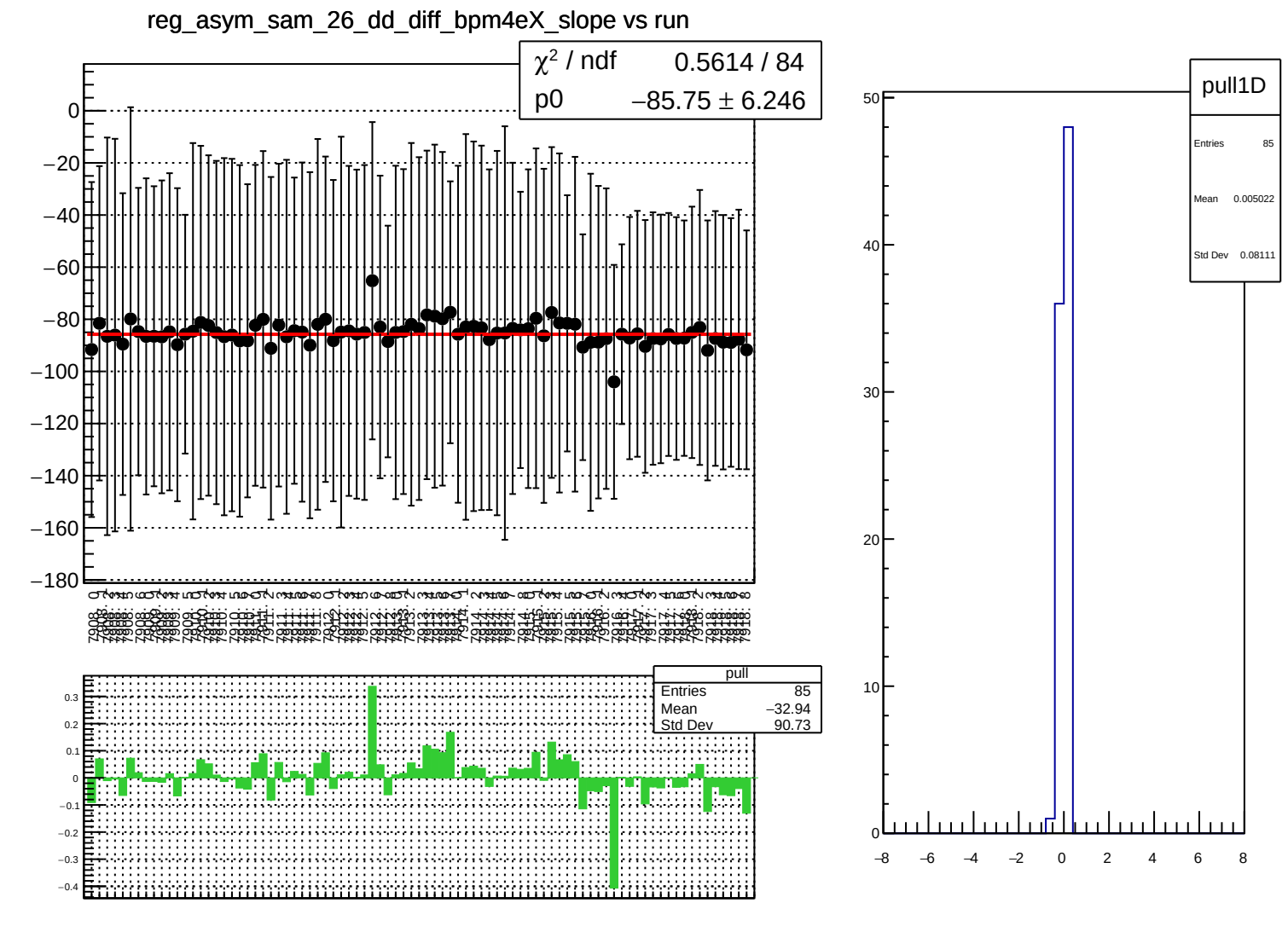

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 27.76 / 84
p0 −0.03054 ± 0.1246
pull
Entries 85
Mean −78.06
Std Dev 126.3
pull1D
Entries 85
Mean −0.07061
Std Dev 0.5671

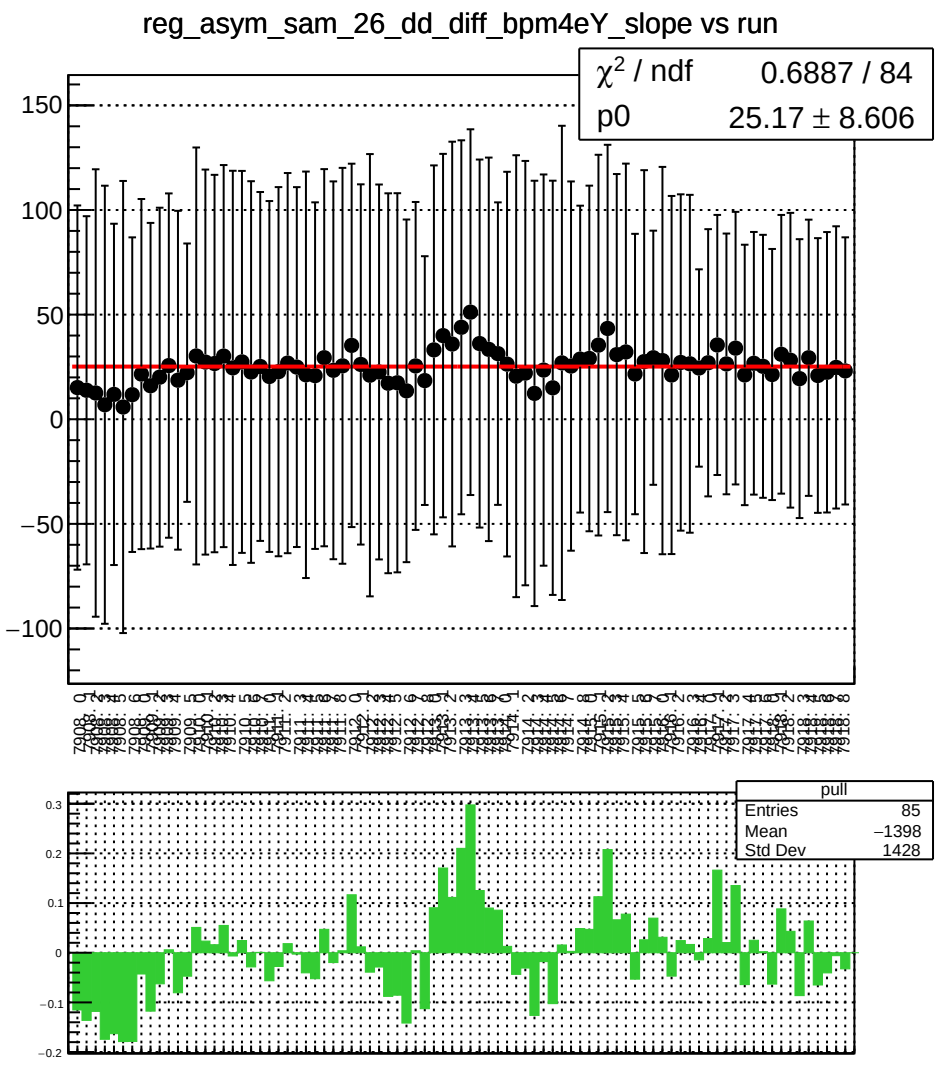

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7649 / 84
p0 −61.32 ± 7.306
50
0
−50
−100
−150
pull
Entries 85
Mean −47.09
Std Dev 97.46
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

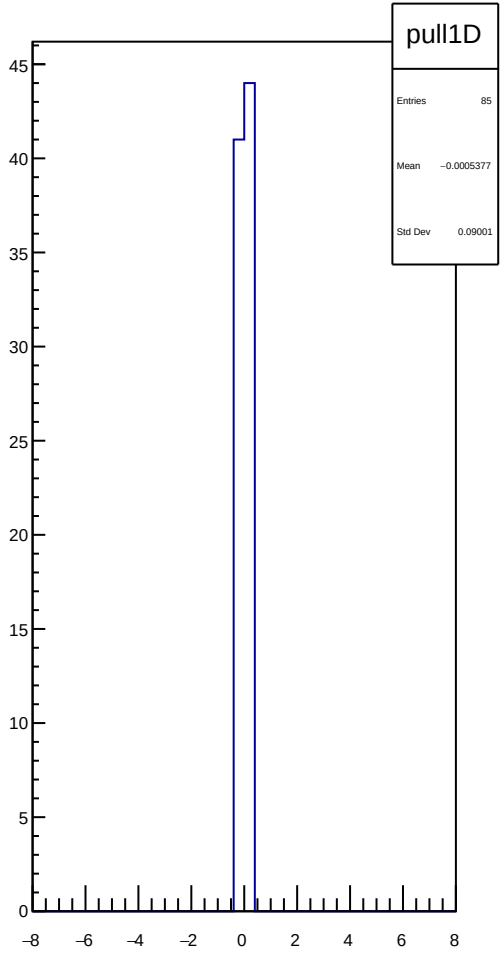

pull1D
Entries 85
Mean −0.01039
Std Dev 0.09429
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

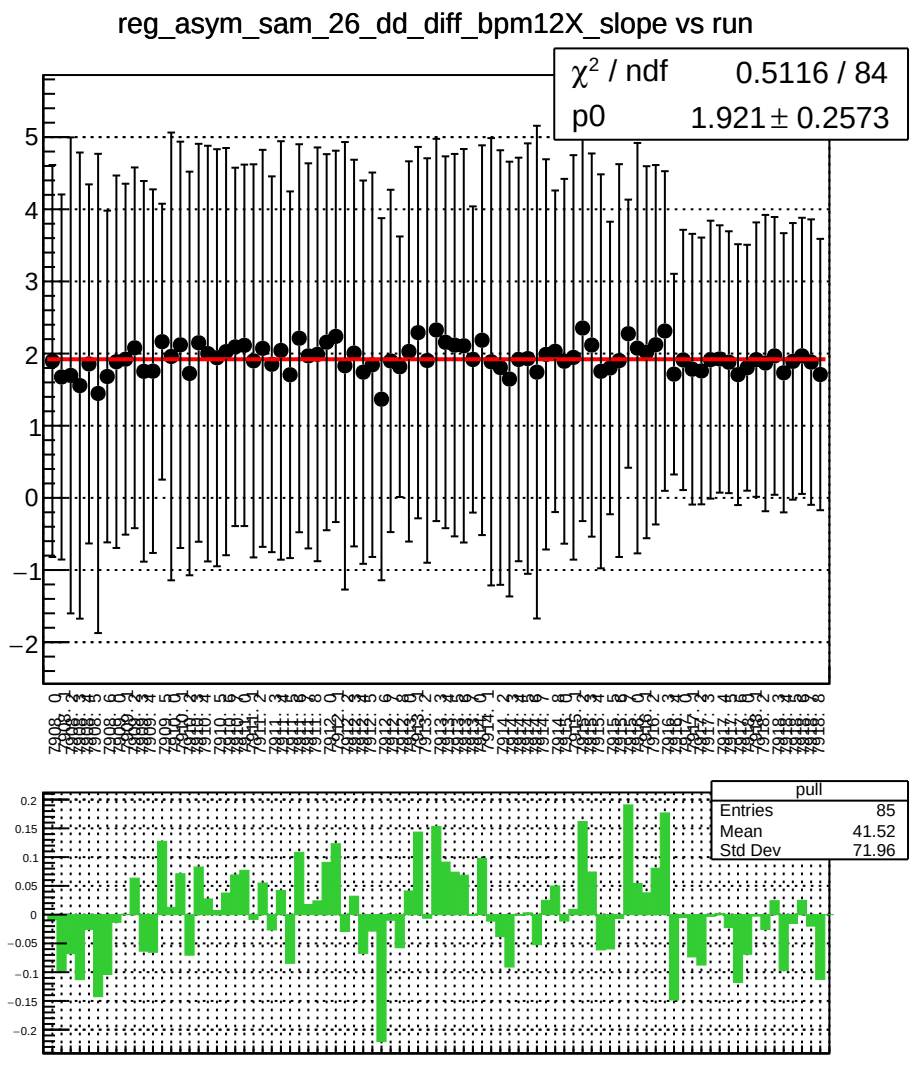

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7341 / 84
p0 −156.6 ± 7.406
pull
Entries 85
Mean −456.5
Std Dev 491

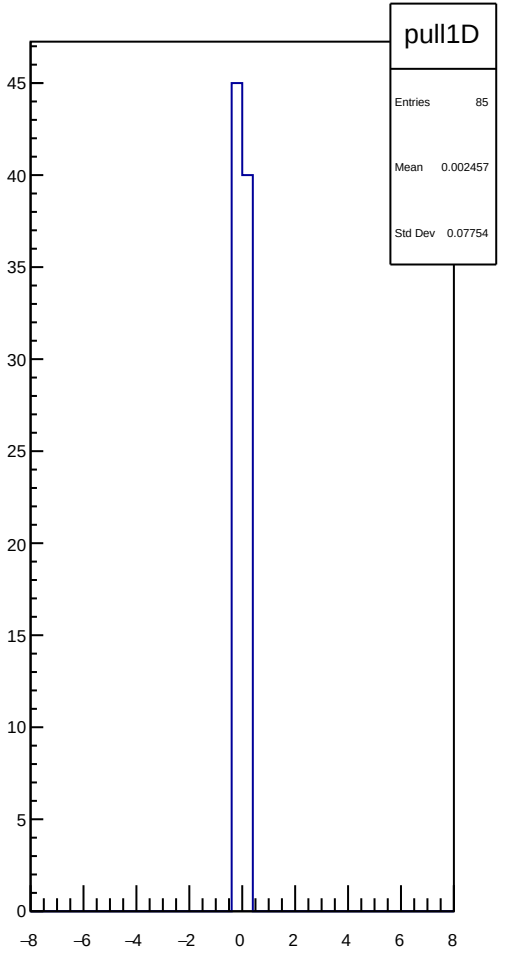

pull1D
Entries 85
Mean 0.00204
Std Dev 0.09291

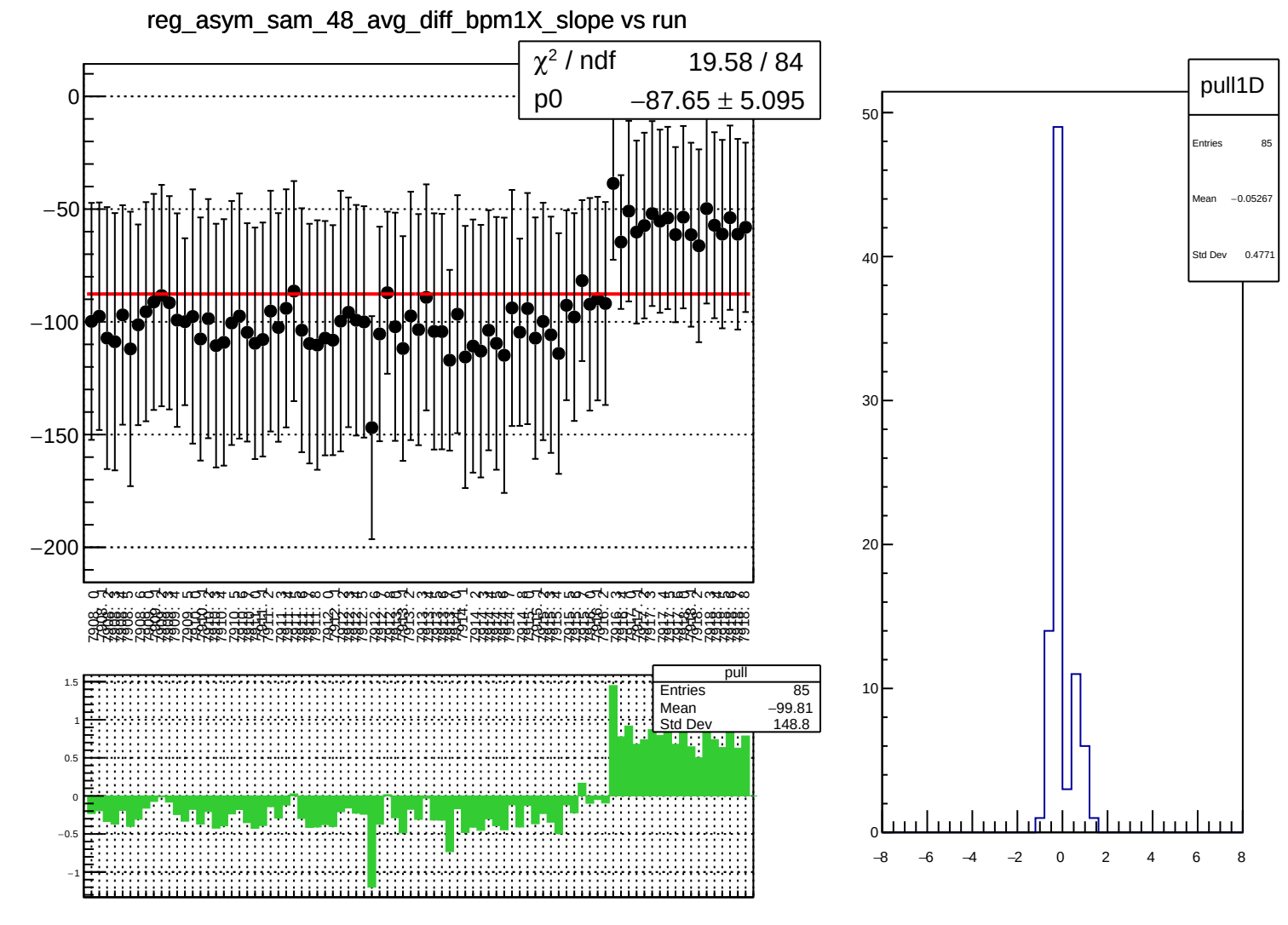

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5614 / 84
p0 −85.75 ± 6.246
pull
Entries 85
Mean −32.94
Std Dev 90.73
pull1D
Entries 85
Mean 0.005022
Std Dev 0.08111

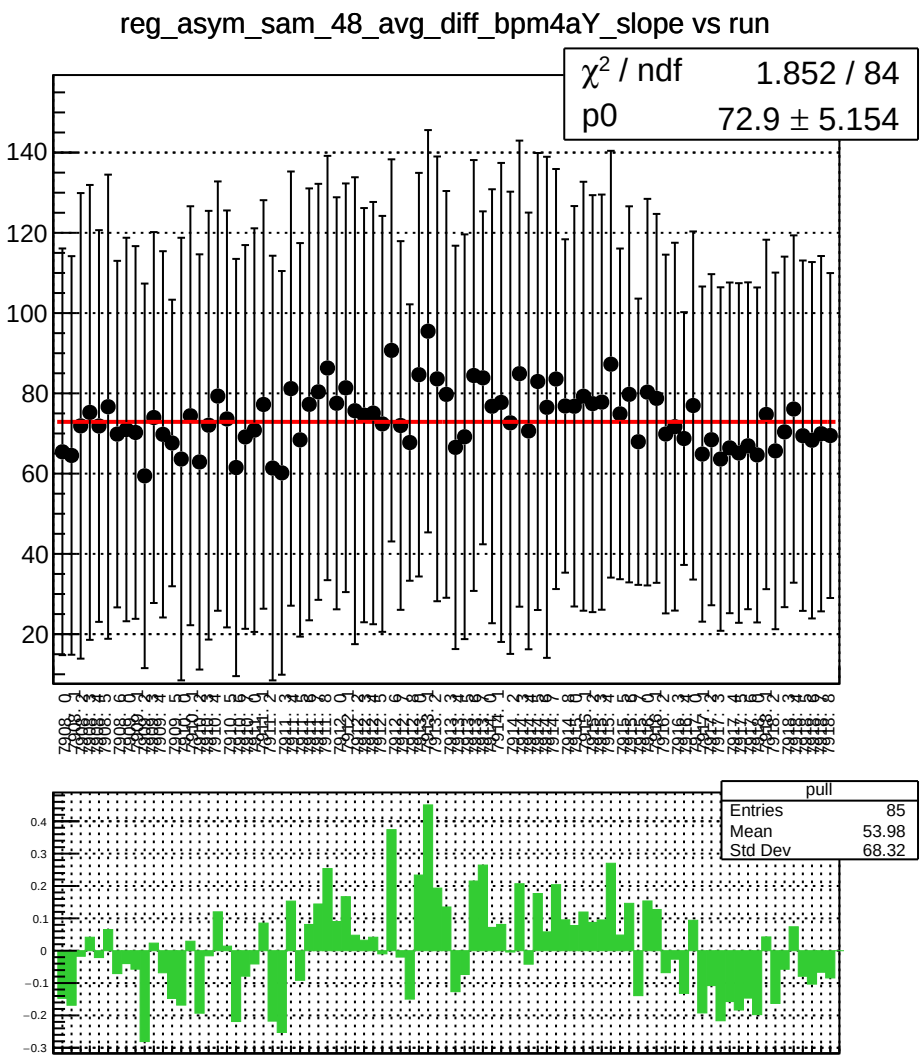

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6887 / 84
p0 25.17 ± 8.606
150
100
50
0
−50
−100
pull
Entries 85
Mean −1398
Std Dev 1428
0.3
0.2
0.1
0
−0.1
−0.2

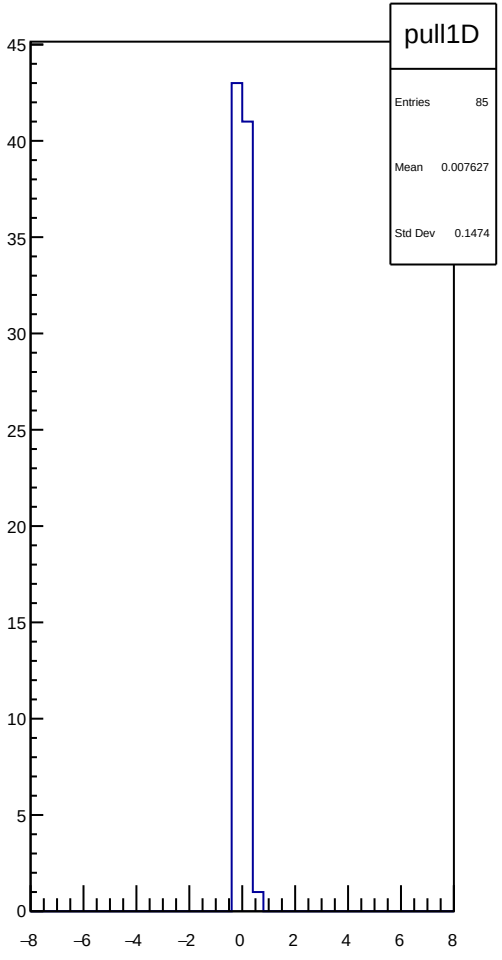

pull1D
Entries 85
Mean −0.0005377
Std Dev 0.09001
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

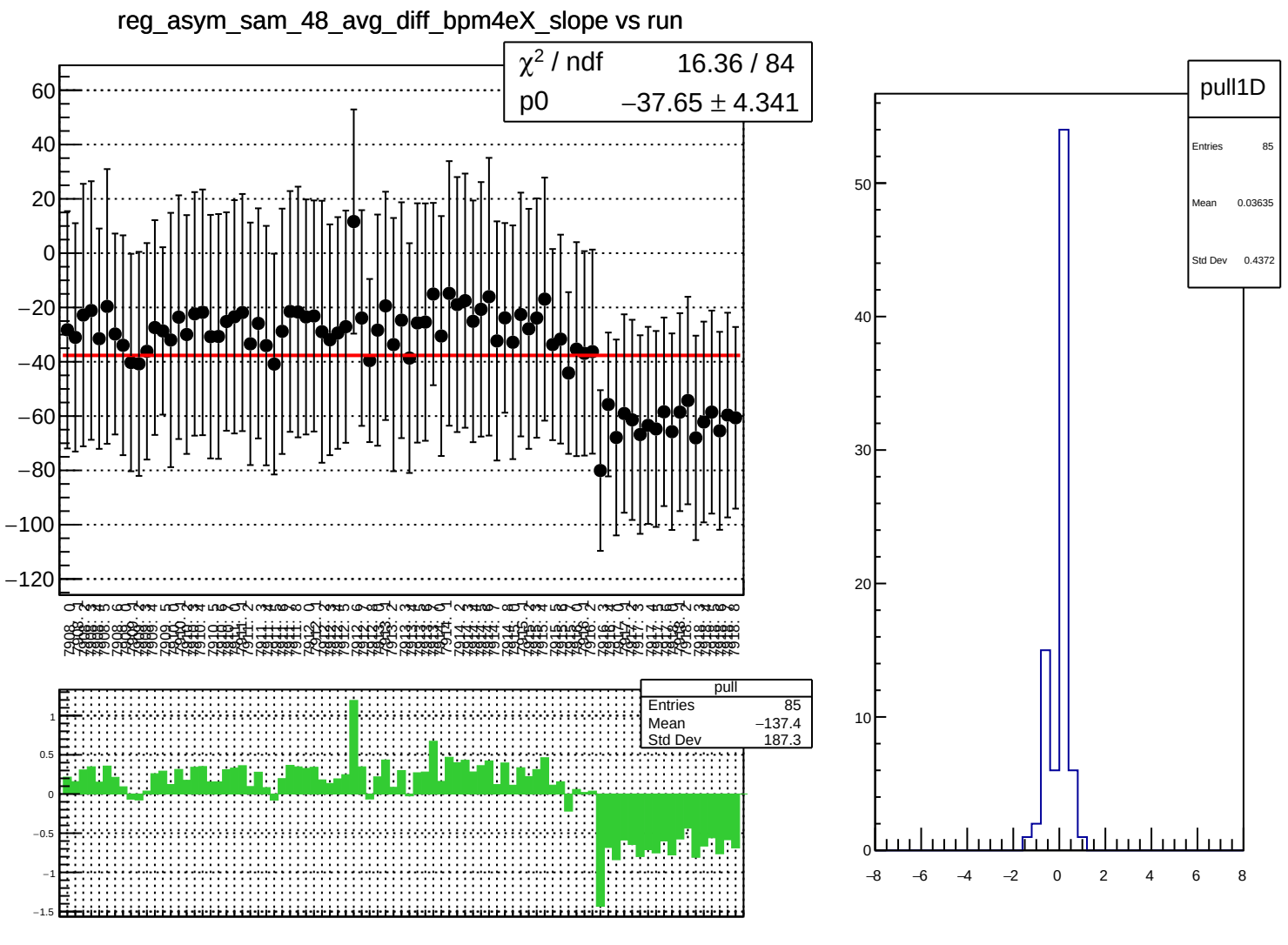

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5116 / 84
p0 1.921 ± 0.2573
pull
Entries 85
Mean 41.52
Std Dev 71.96

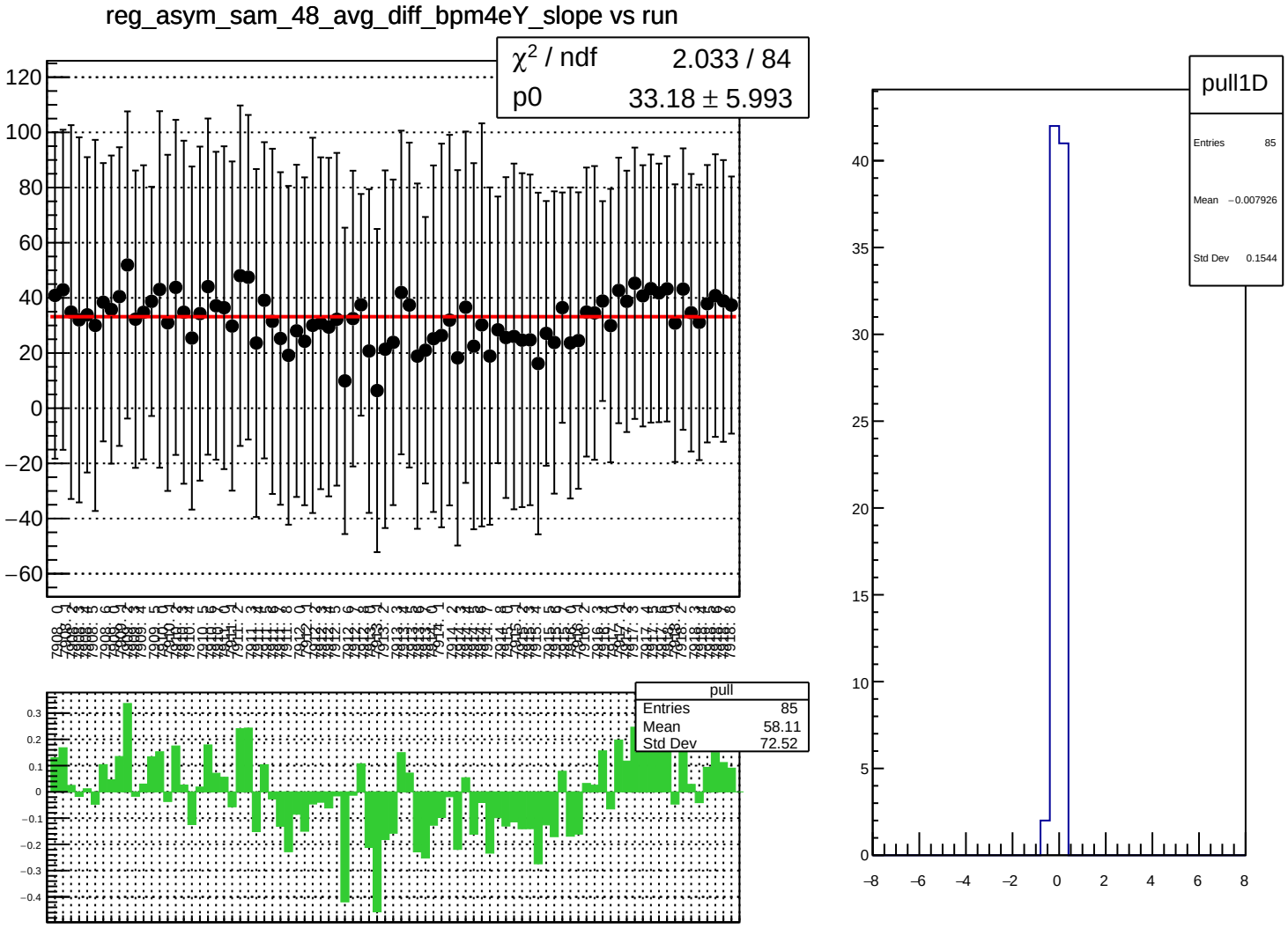

pull1D
Entries 85
Mean 0.002457
Std Dev 0.07754

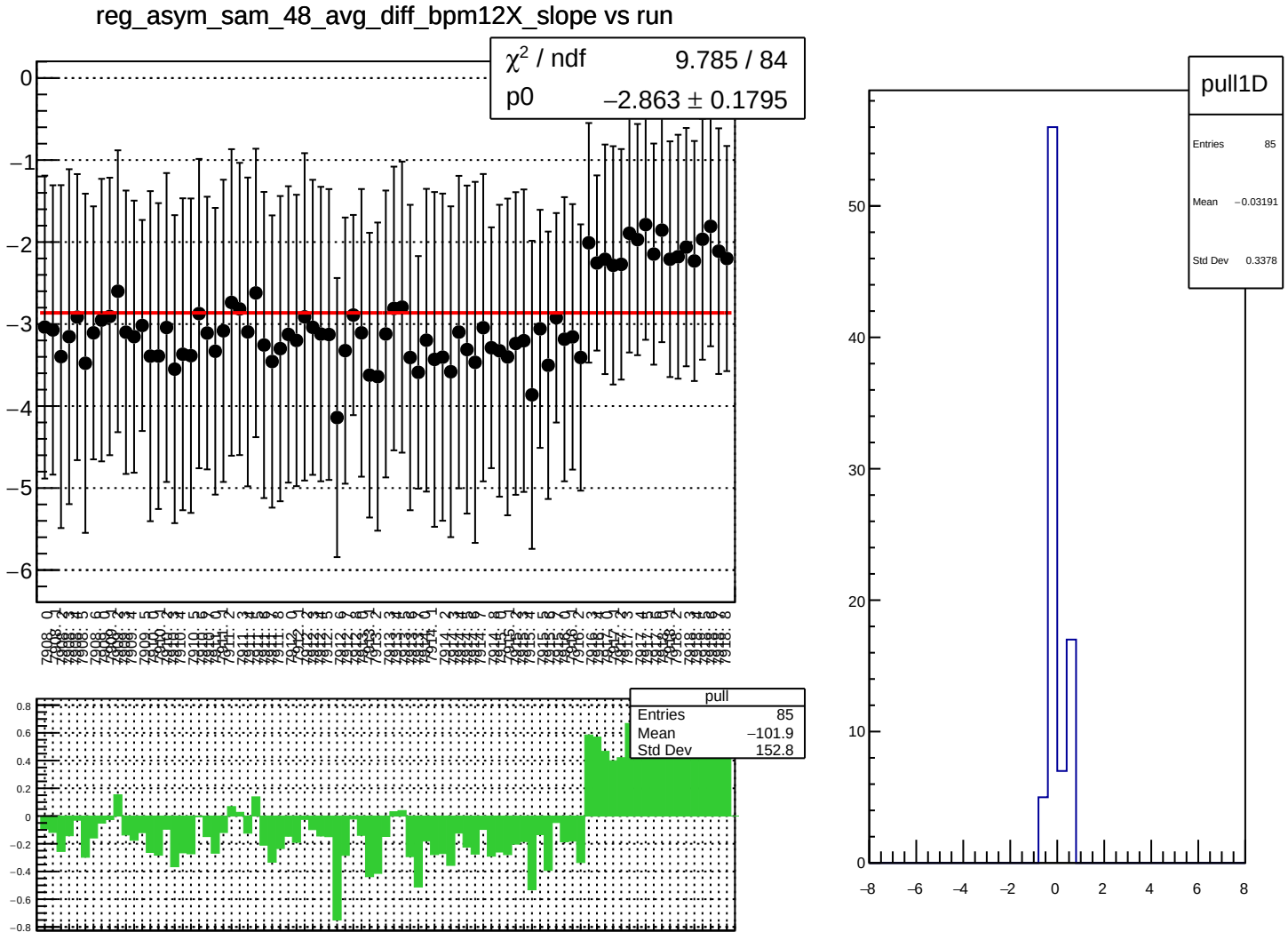

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 19.58 / 84
p0 −87.65 ± 5.095
pull
Entries 85
Mean −99.81
Std Dev 148.8
pull1D
Entries 85
Mean −0.05267
Std Dev 0.4771

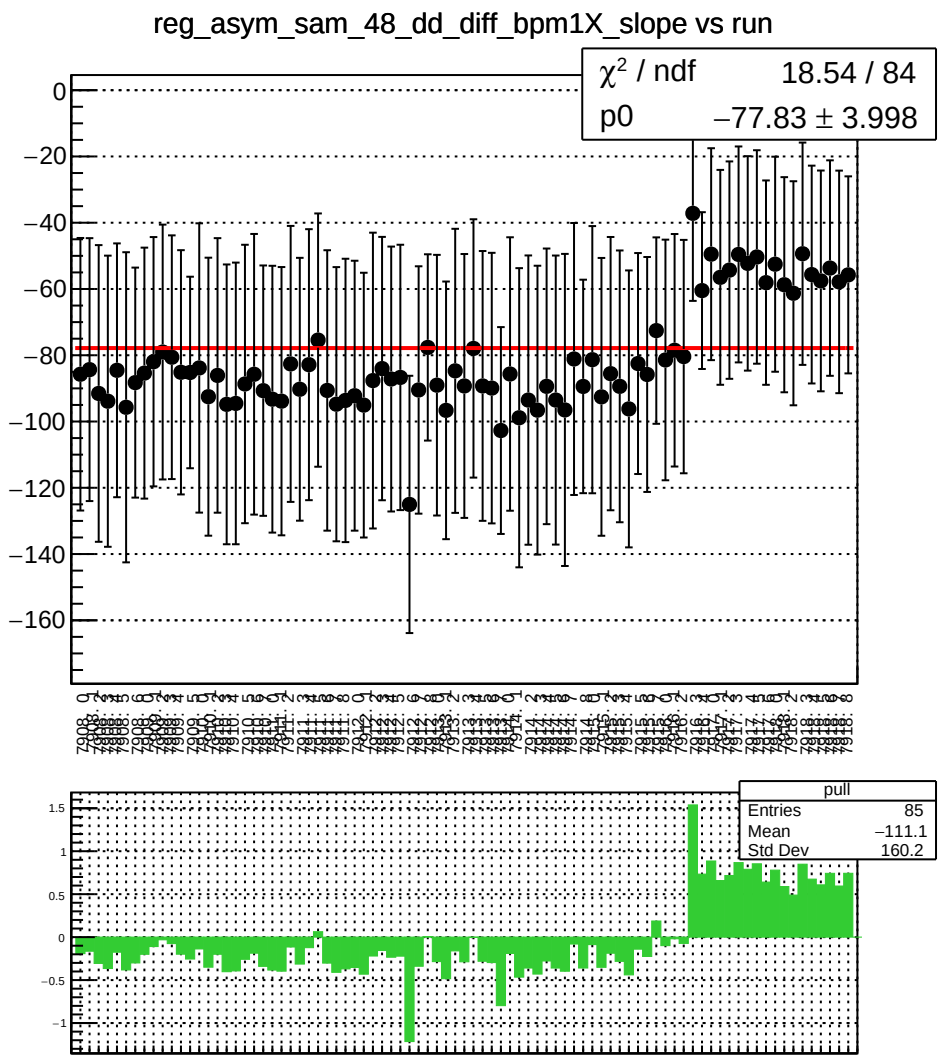

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.852 / 84
p0 72.9 ± 5.154
pull
Entries 85
Mean 53.98
Std Dev 68.32

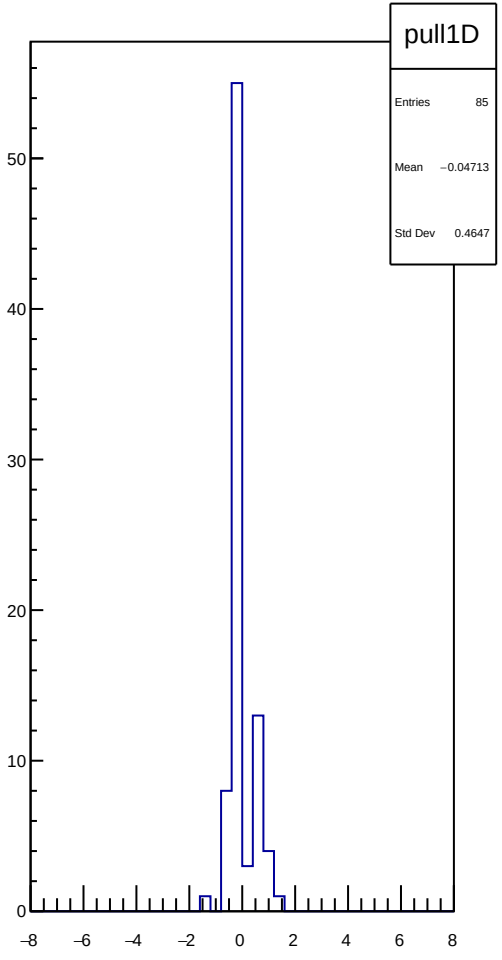

pull1D
Entries 85
Mean 0.007627
Std Dev 0.1474

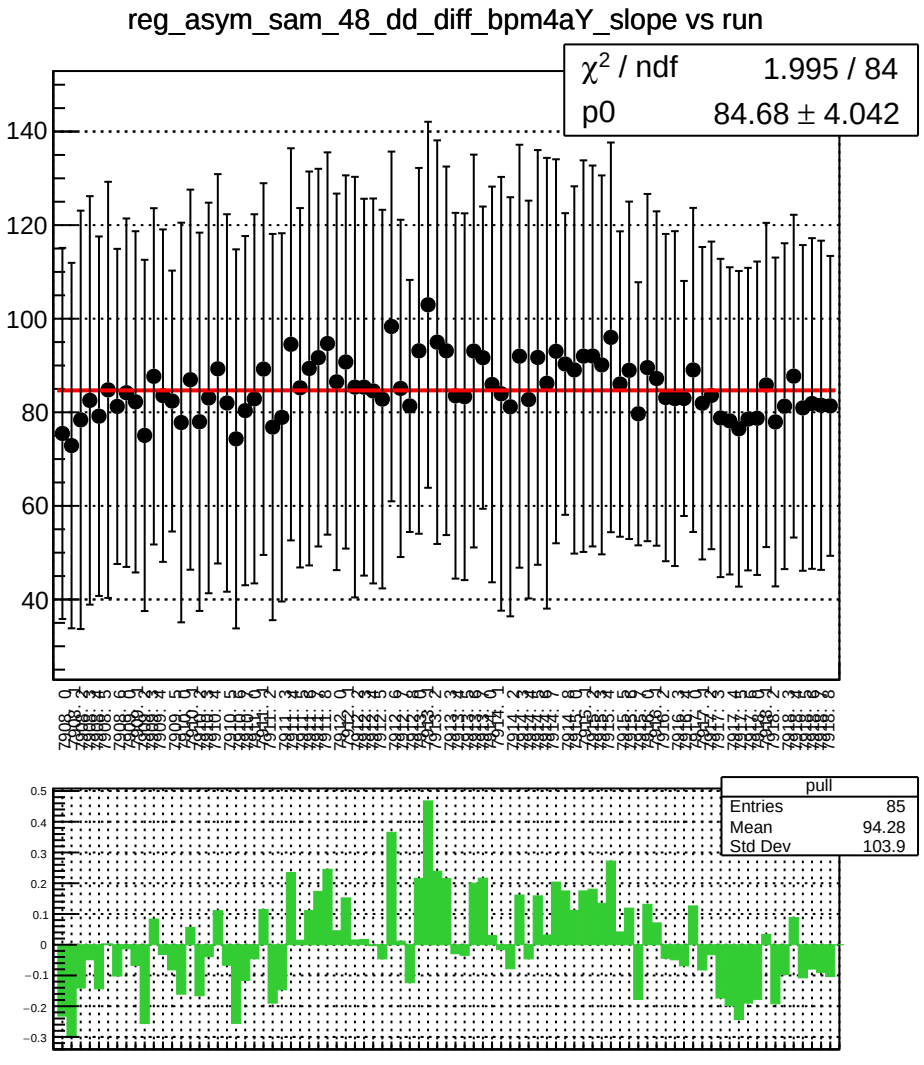

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.36 / 84
p0 −37.65 ± 4.341
pull
Entries 85
Mean −137.4
Std Dev 187.3
pull1D
Entries 85
Mean 0.03635
Std Dev 0.4372

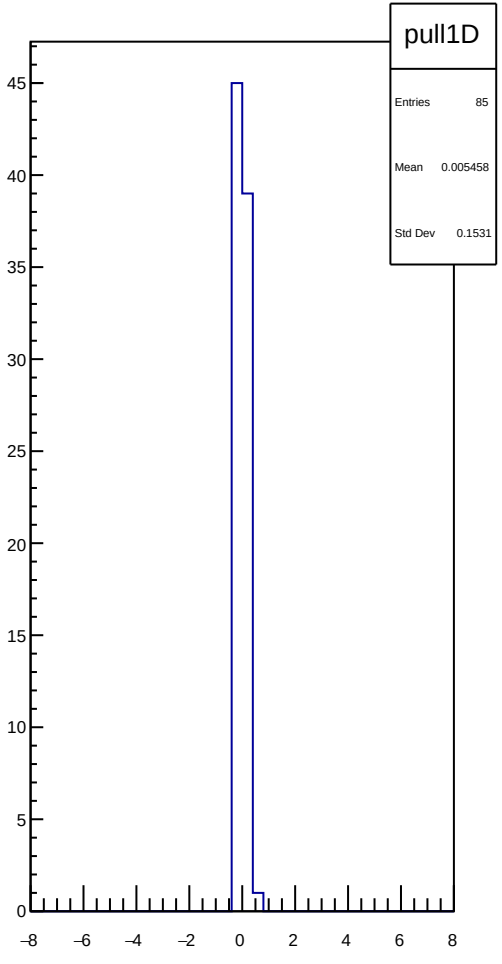

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.033 / 84
p0 33.18 ± 5.993
pull
Entries 85
Mean 58.11
Std Dev 72.52
pull1D
Entries 85
Mean −0.007926
Std Dev 0.1544

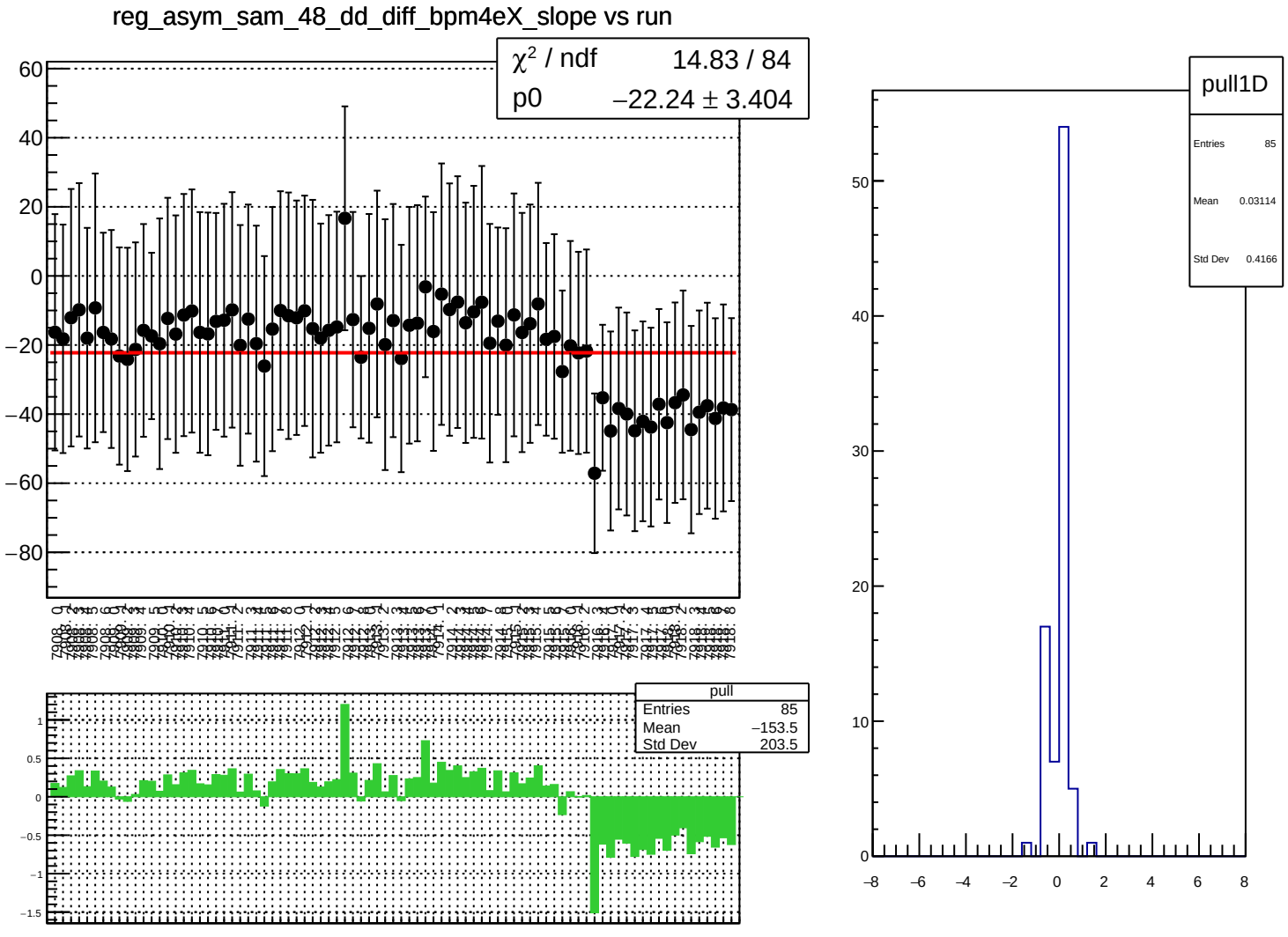

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 9.785 / 84
p0 −2.863 ± 0.1795
pull
Entries 85
Mean −101.9
Std Dev 152.8
pull1D
Entries 85
Mean −0.03191
Std Dev 0.3378

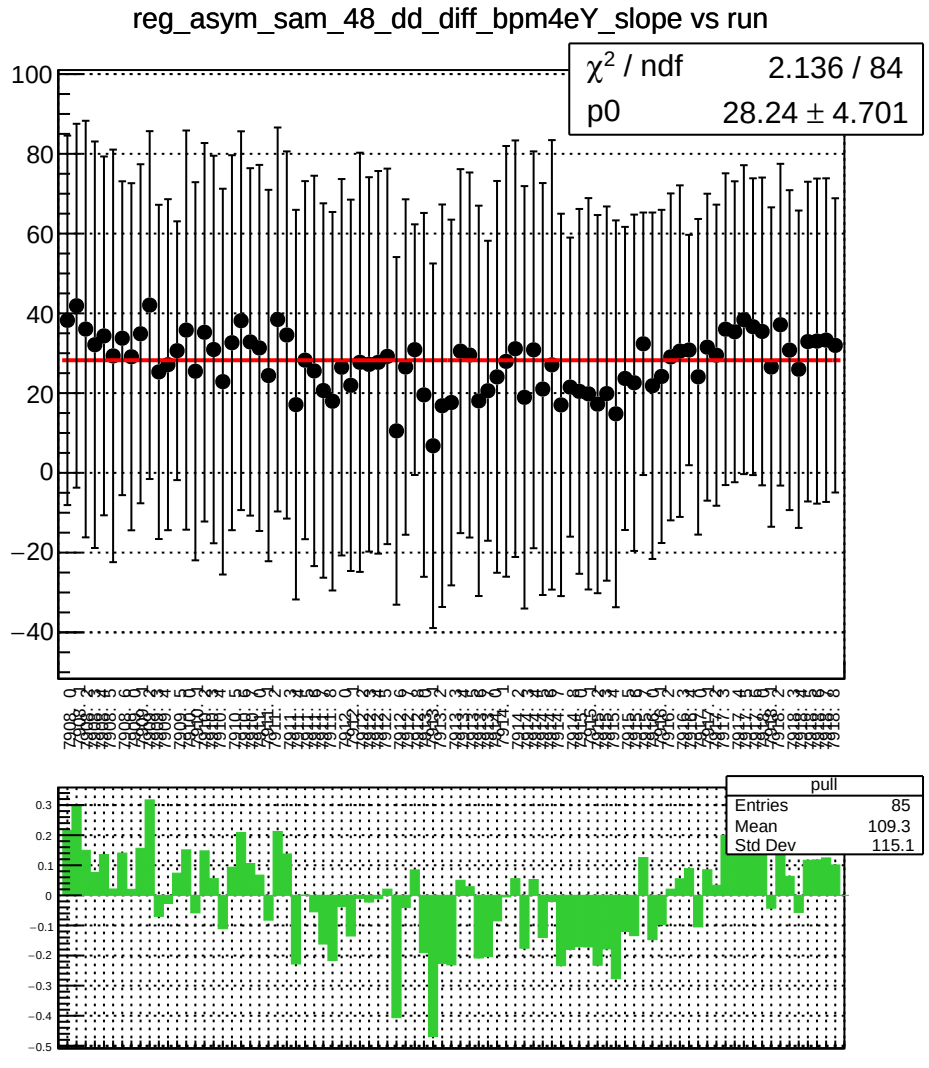

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 18.54 / 84
p0 −77.83 ± 3.998
pull
Entries 85
Mean −111.1
Std Dev 160.2

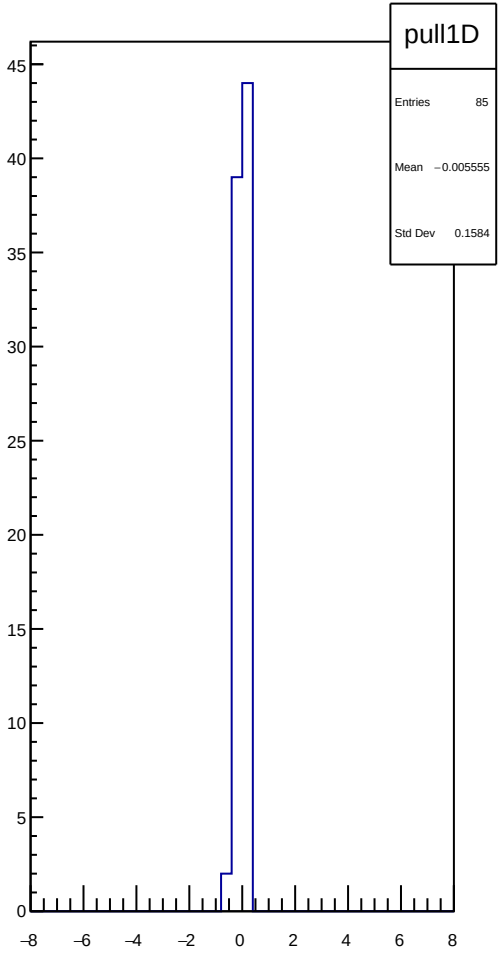

pull1D
Entries 85
Mean −0.04713
Std Dev 0.4647

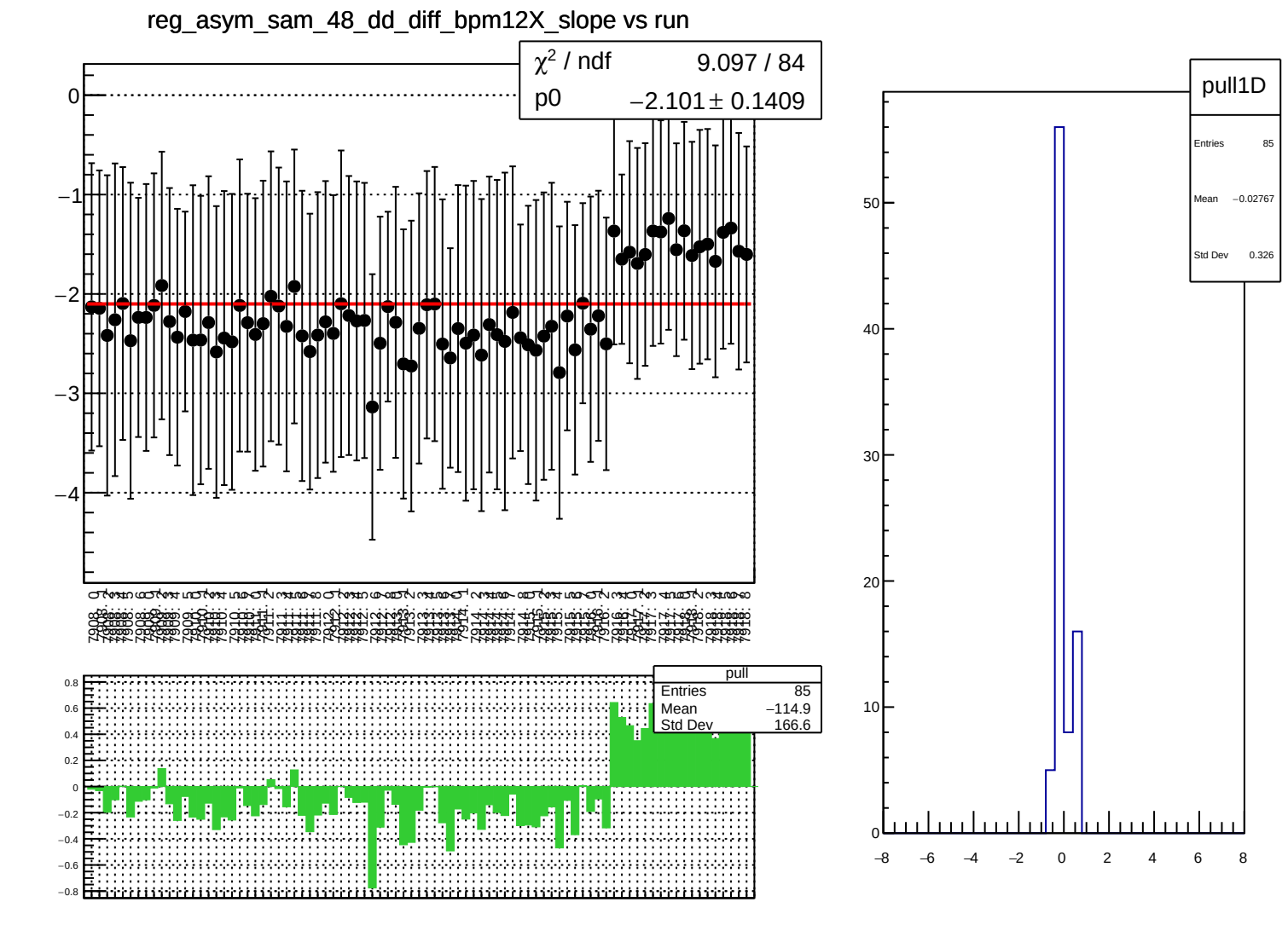

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.995 / 84
p0 84.68 ± 4.042
pull
Entries 85
Mean 94.28
Std Dev 103.9

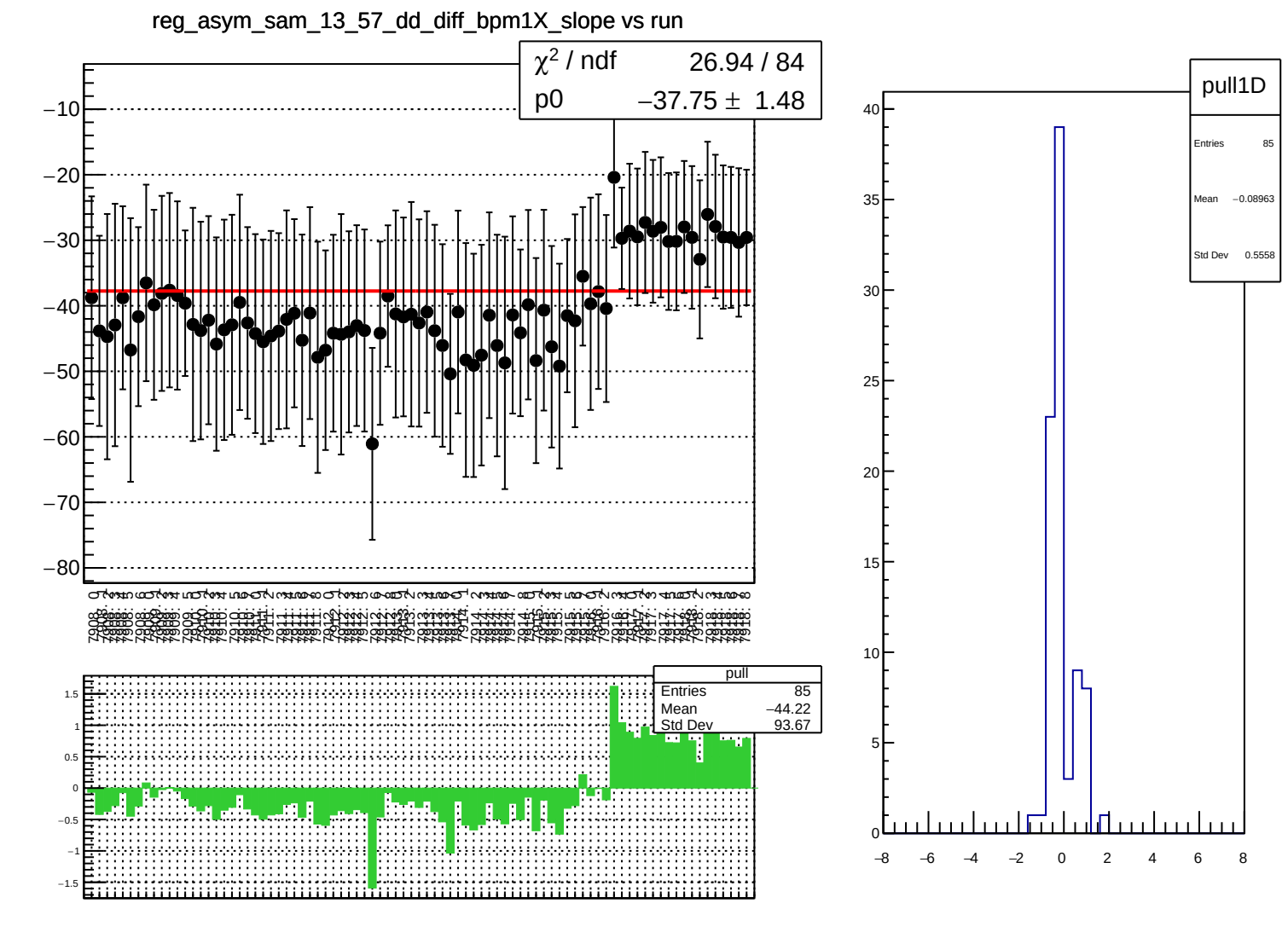

pull1D
Entries 85
Mean 0.005458
Std Dev 0.1531

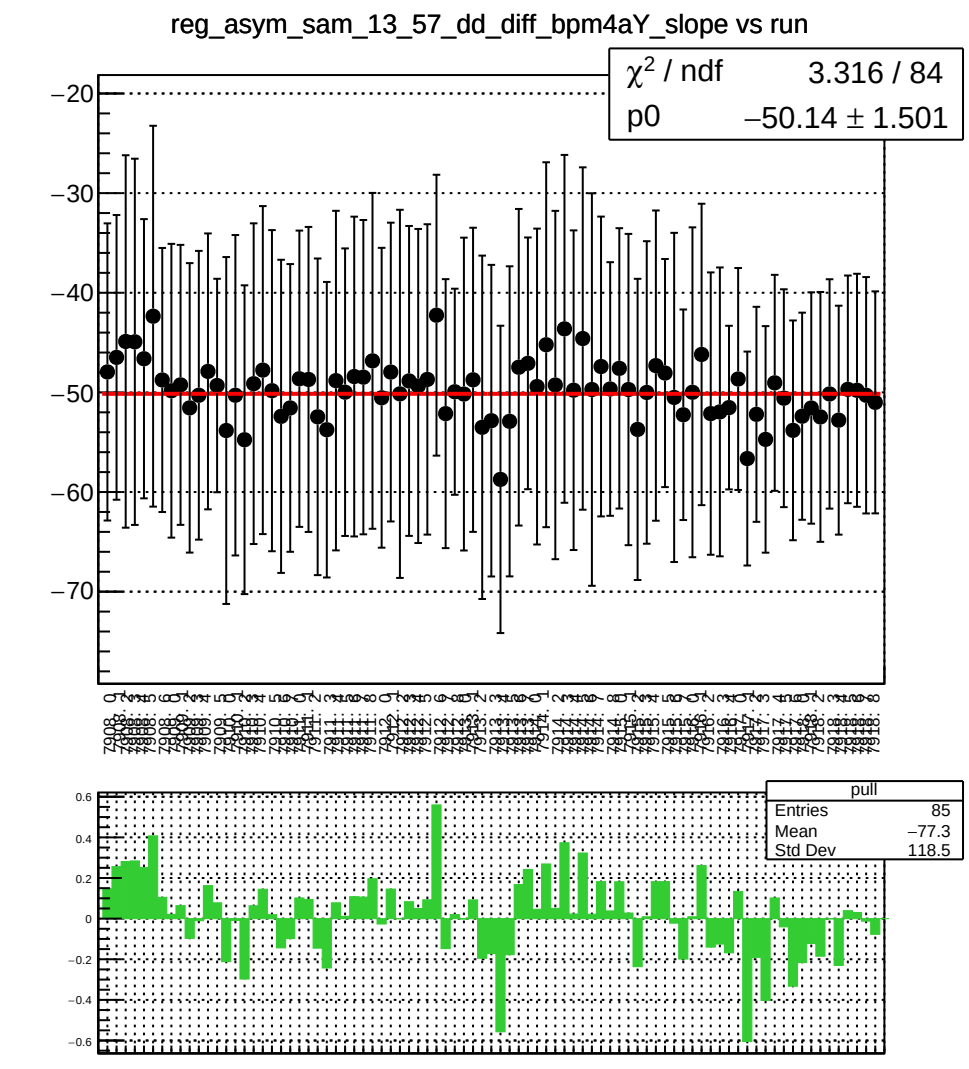

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.83 / 84
p0 −22.24 ± 3.404
pull
Entries 85
Mean −153.5
Std Dev 203.5
pull1D
Entries 85
Mean 0.03114
Std Dev 0.4166

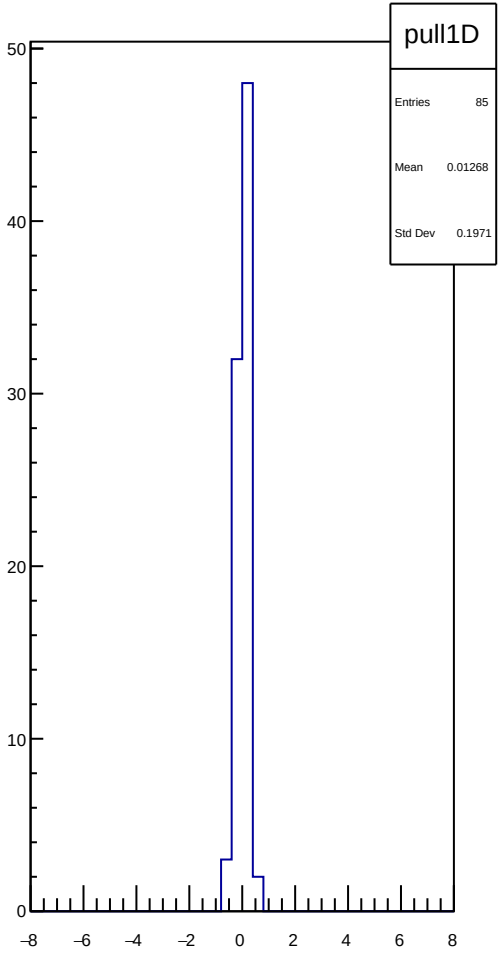

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.136 / 84
p0 28.24 ± 4.701
pull
Entries 85
Mean 109.3
Std Dev 115.1

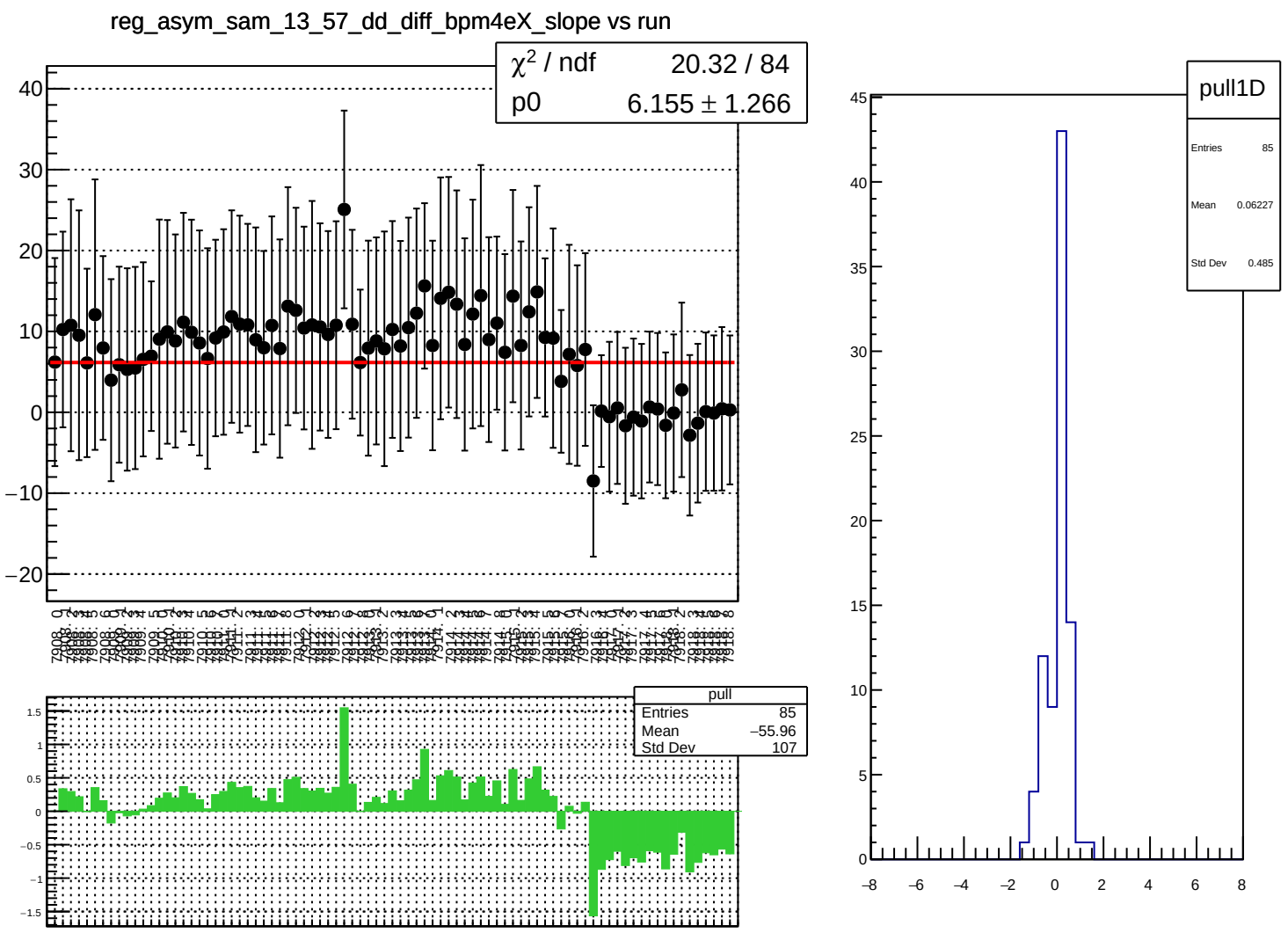

pull1D
Entries 85
Mean −0.005555
Std Dev 0.1584

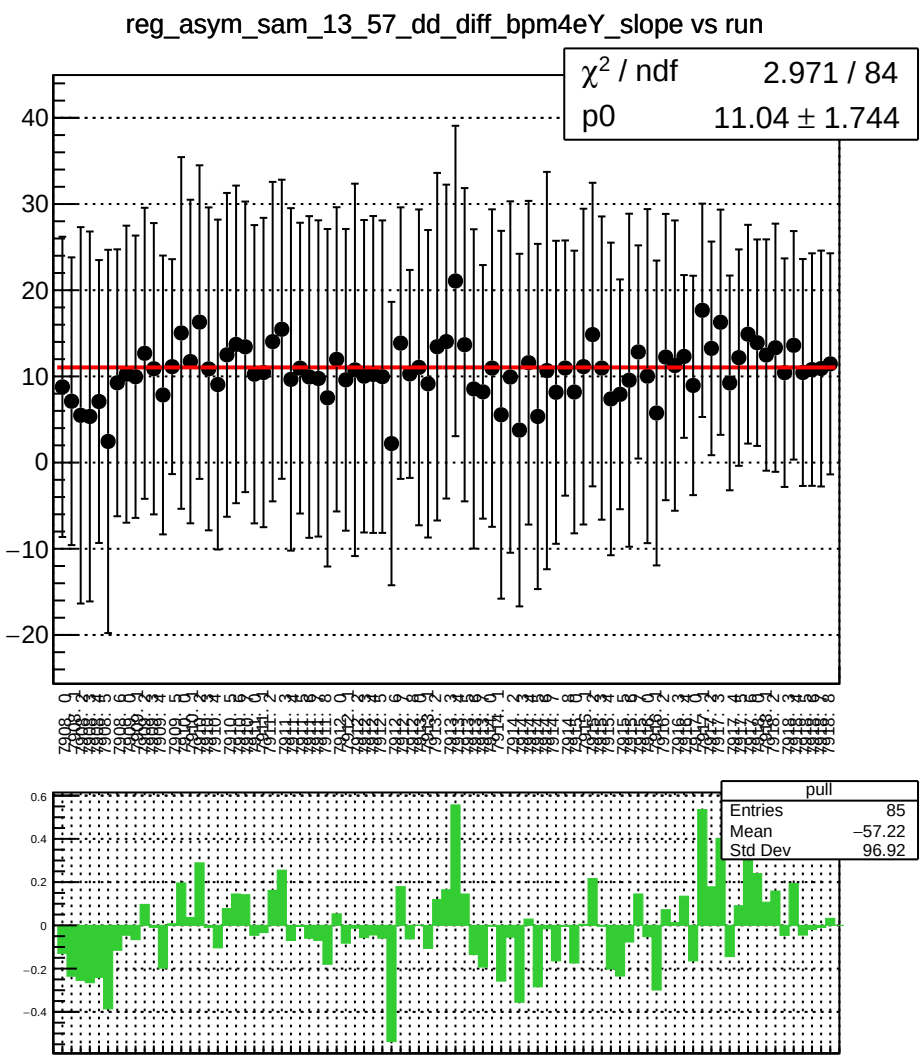

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.097 / 84
p0 −2.101 ± 0.1409
pull
Entries 85
Mean −114.9
Std Dev 166.6
pull1D
Entries 85
Mean −0.02767
Std Dev 0.326

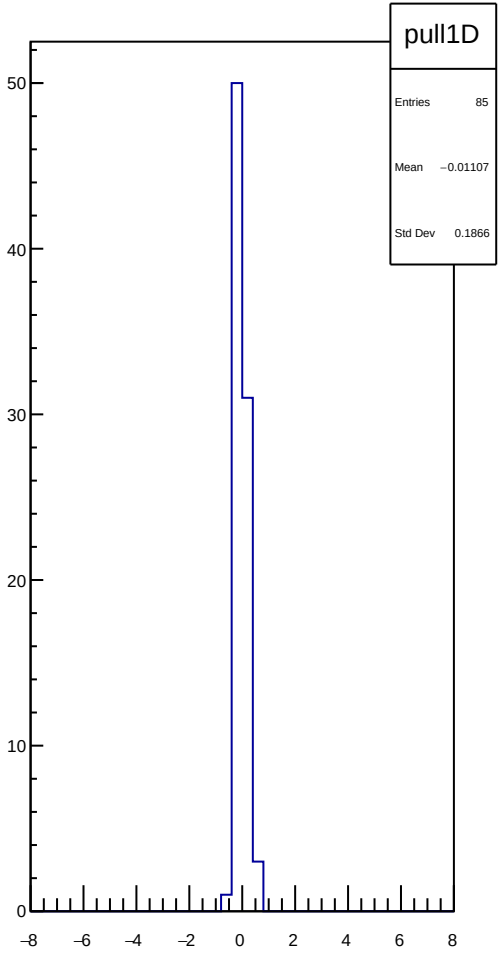

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.94 / 84
p0 −37.75 ± 1.48
pull
Entries 85
Mean −44.22
Std Dev 93.67
pull1D
Entries 85
Mean −0.08963
Std Dev 0.5558

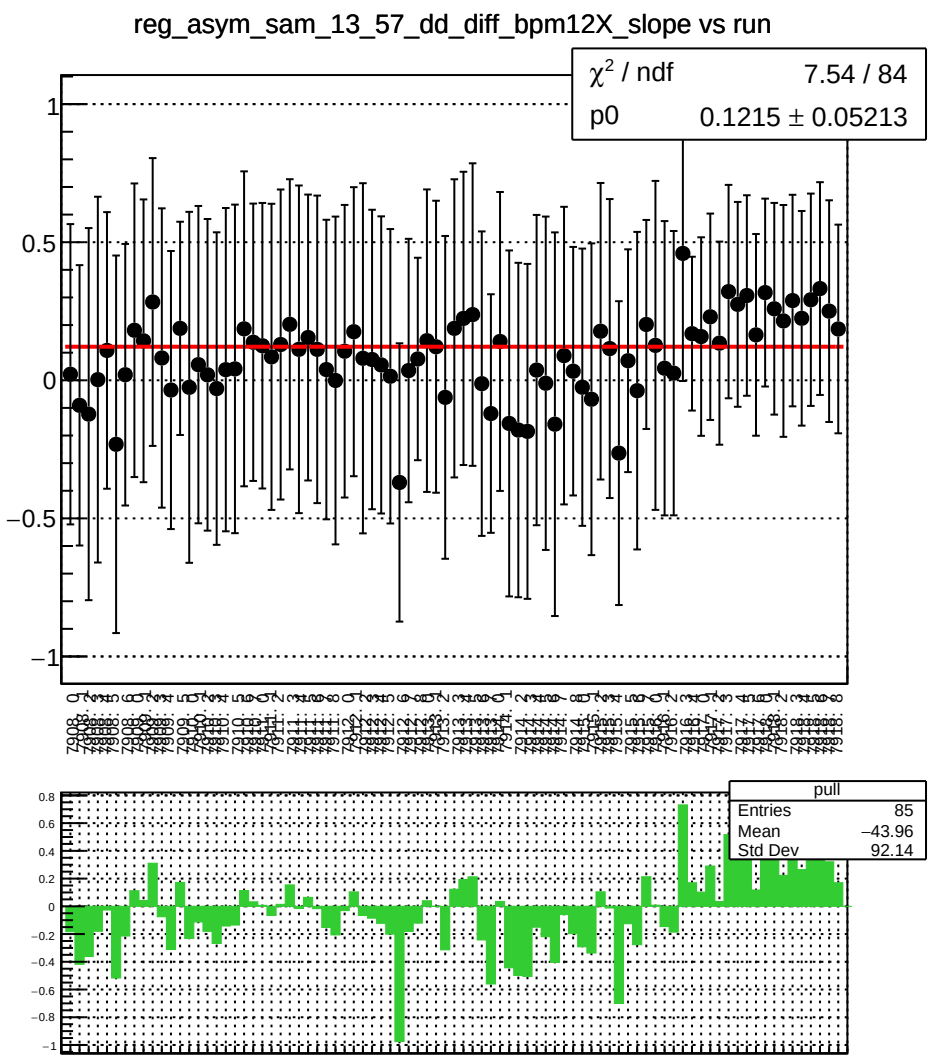

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.316 / 84
p0 −50.14 ± 1.501
pull
Entries 85
Mean −77.3
Std Dev 118.5

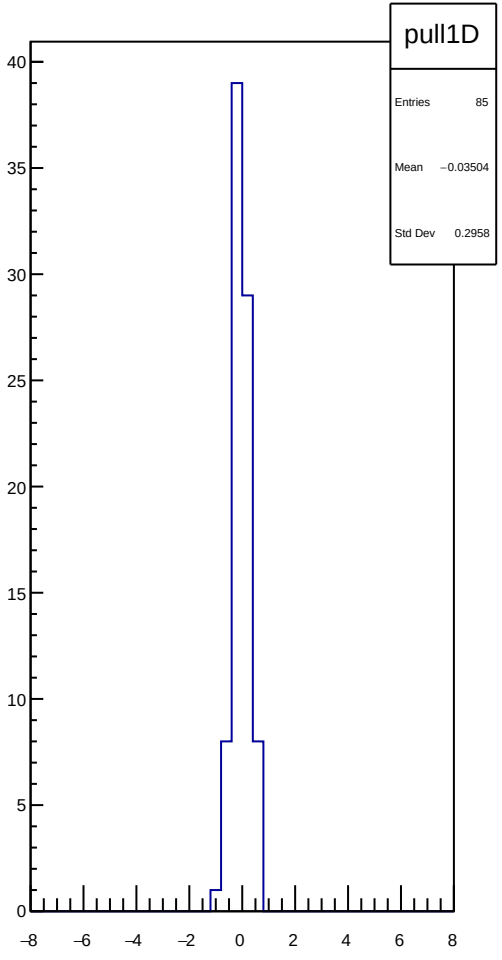

pull1D
Entries 85
Mean 0.01268
Std Dev 0.1971

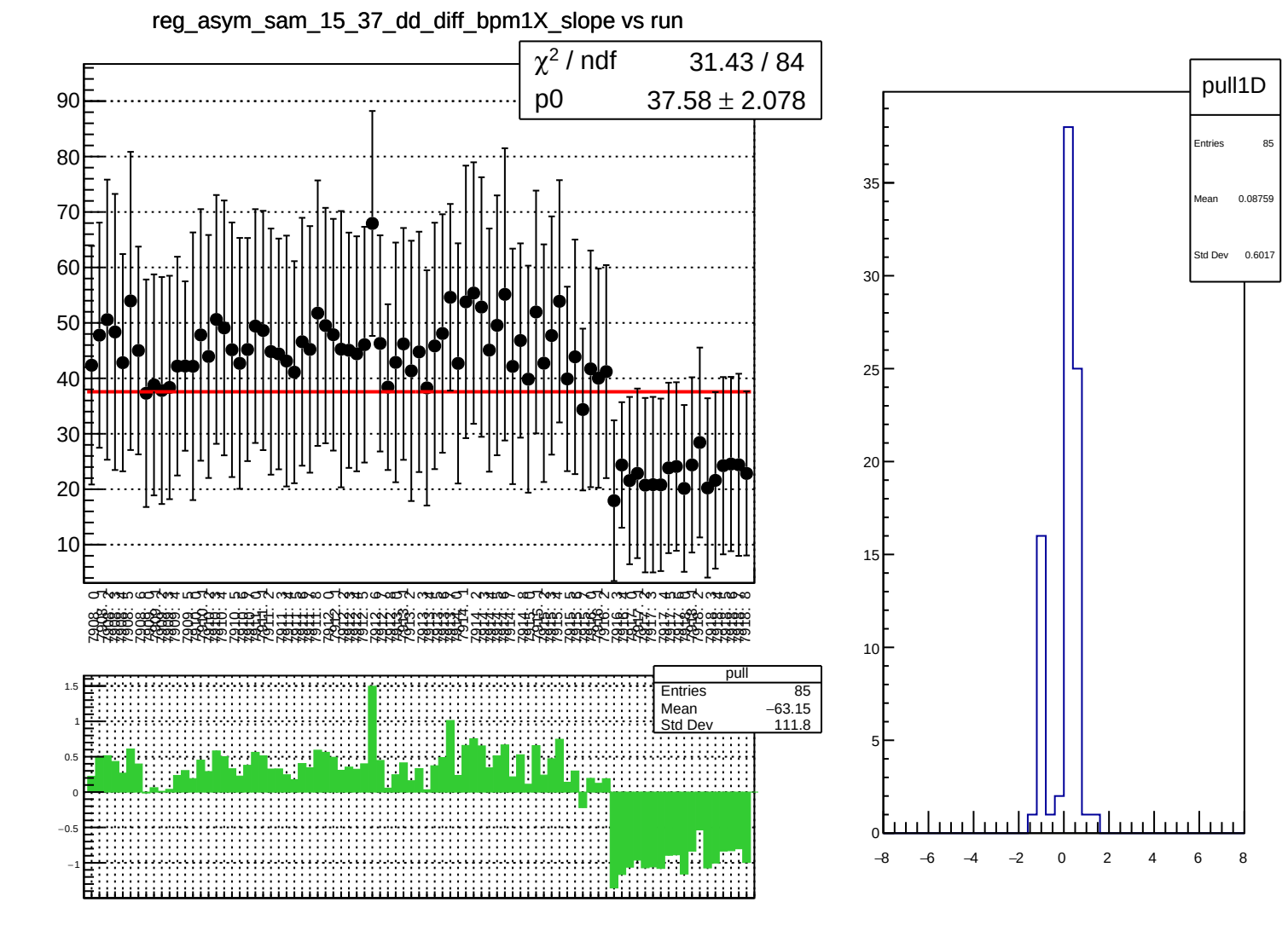

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.32 / 84
p0 6.155 ± 1.266
pull
Entries 85
Mean −55.96
Std Dev 107
pull1D
Entries 85
Mean 0.06227
Std Dev 0.485

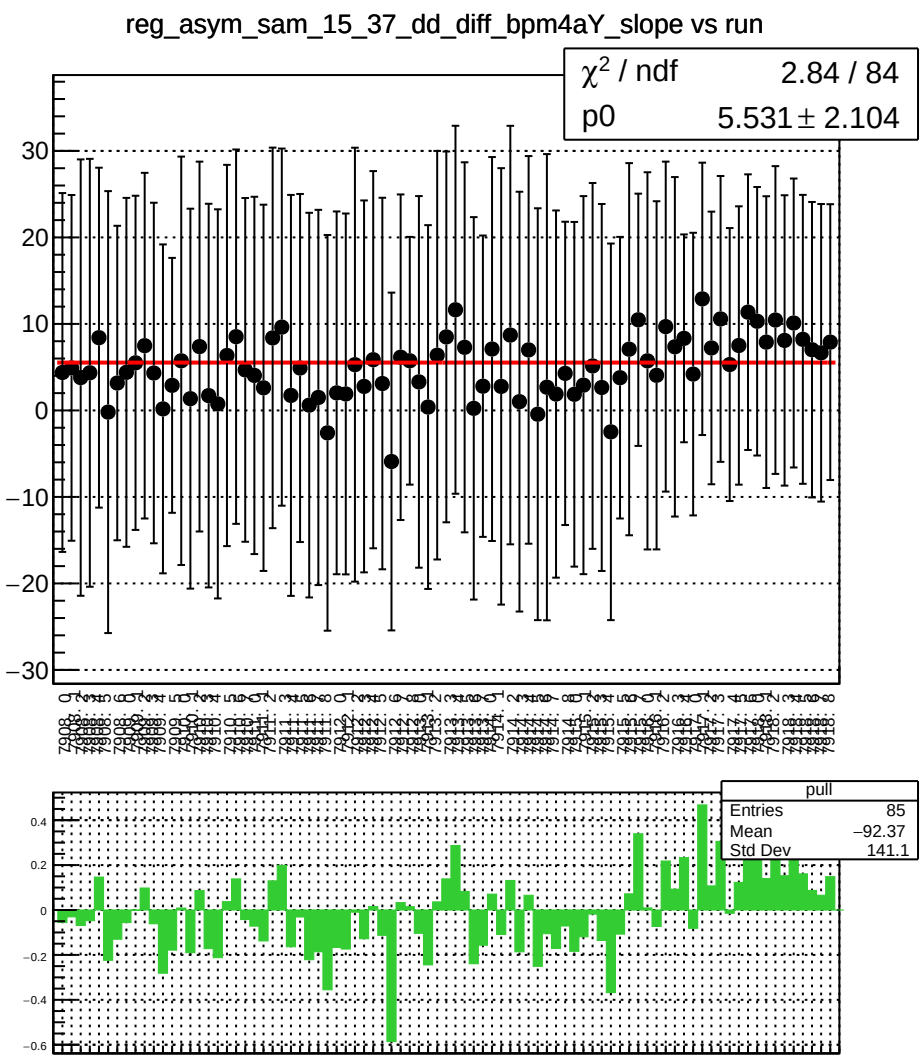

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.971 / 84
p0 11.04 ± 1.744
pull
Entries 85
Mean −57.22
Std Dev 96.92

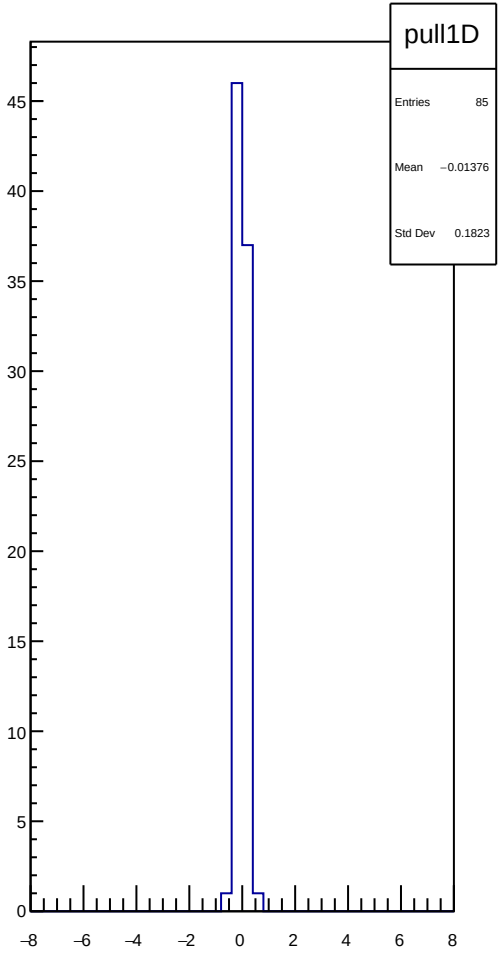

pull1D
Entries 85
Mean −0.01107
Std Dev 0.1866

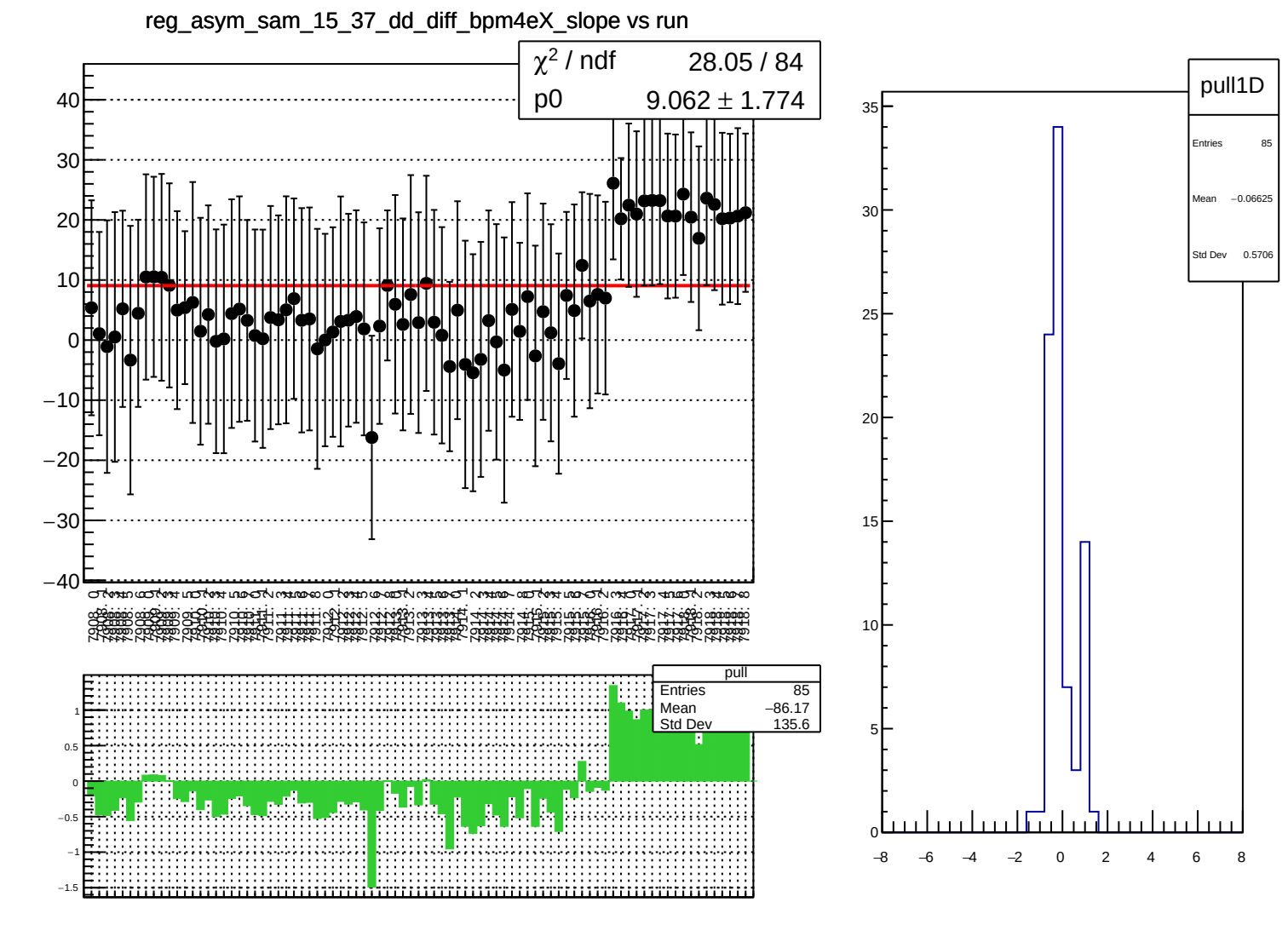

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 7.54 / 84
p0 0.1215 ± 0.05213
pull
Entries 85
Mean −43.96
Std Dev 92.14

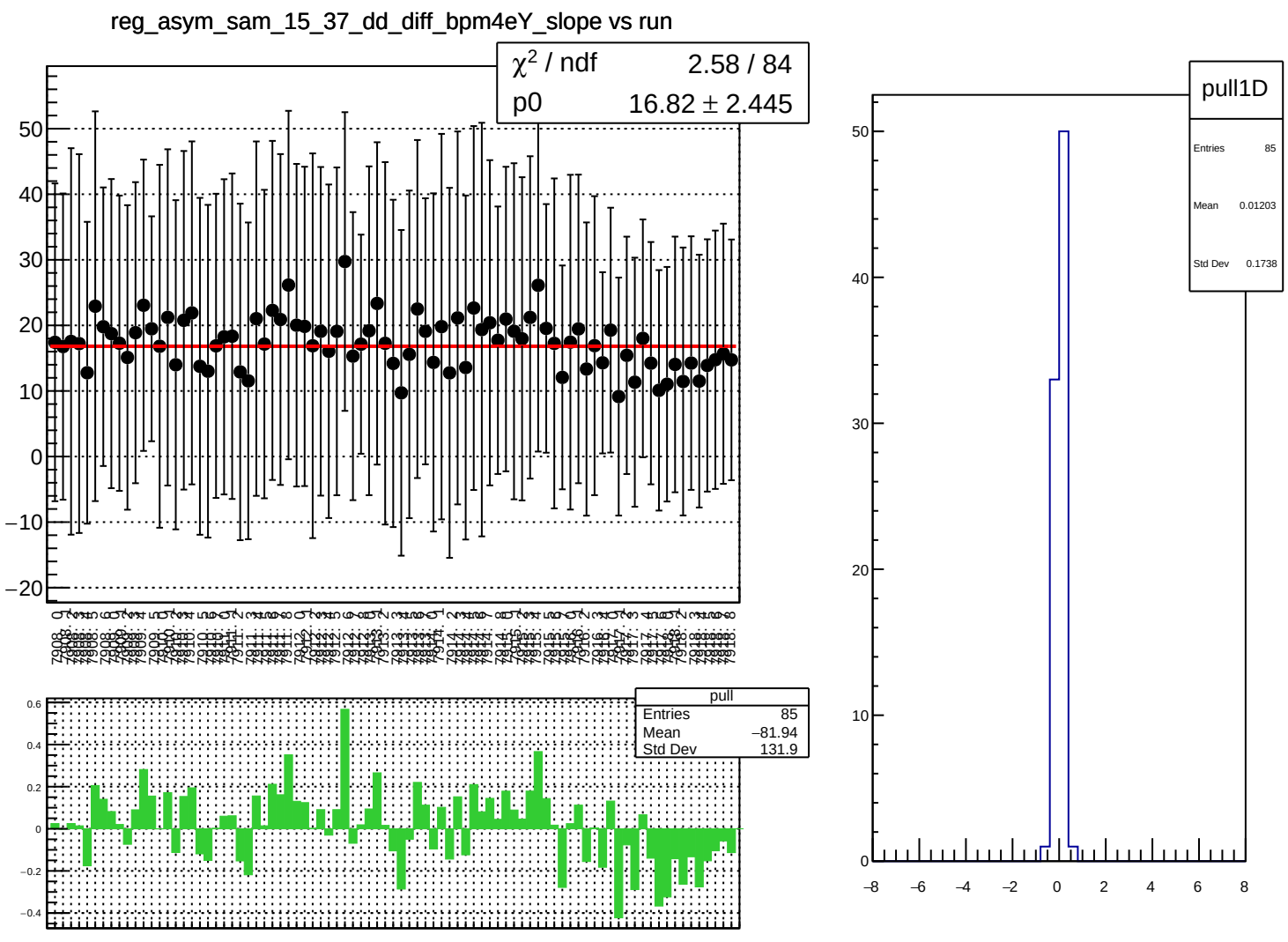

pull1D
Entries 85
Mean −0.03504
Std Dev 0.2958

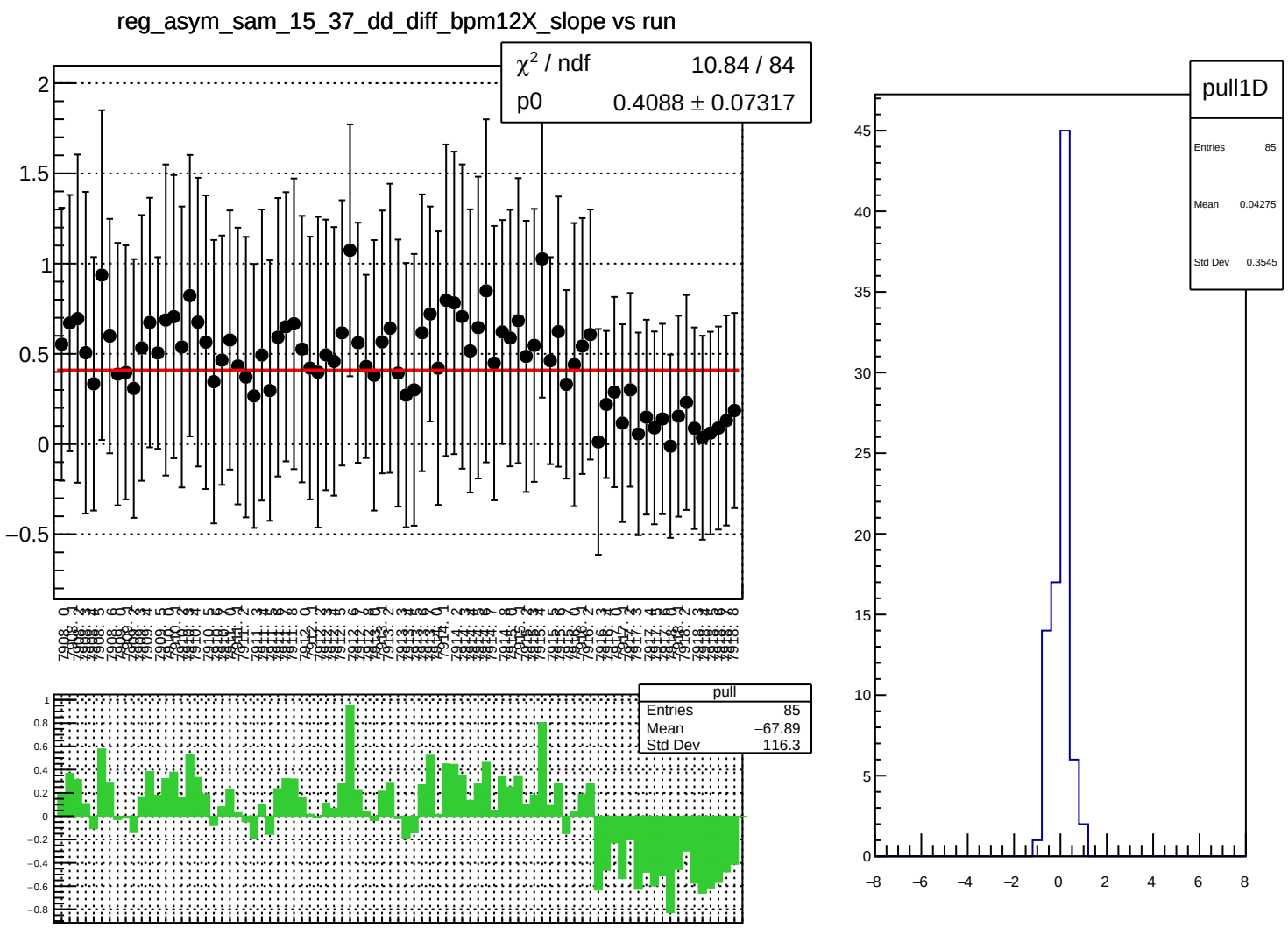

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 31.43 / 84
p0 37.58 ± 2.078
pull
Entries 85
Mean −63.15
Std Dev 111.8
pull1D
Entries 85
Mean 0.08759
Std Dev 0.6017

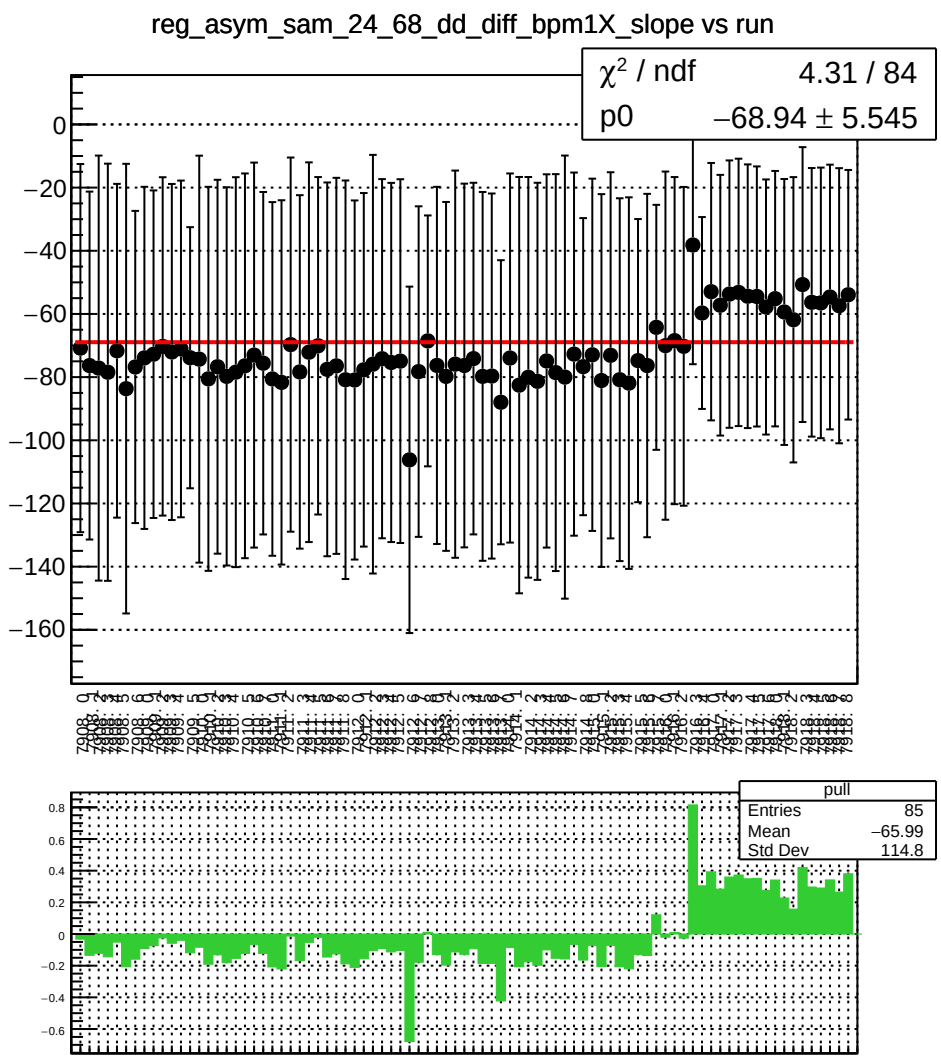

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.84 / 84
p0 5.531 ± 2.104
pull
Entries 85
Mean −92.37
Std Dev 141.1

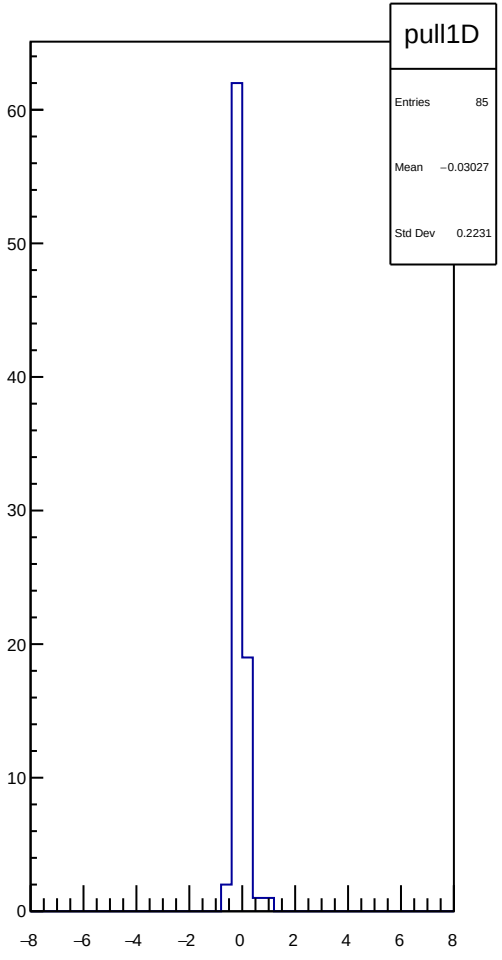

pull1D
Entries 85
Mean −0.01376
Std Dev 0.1823

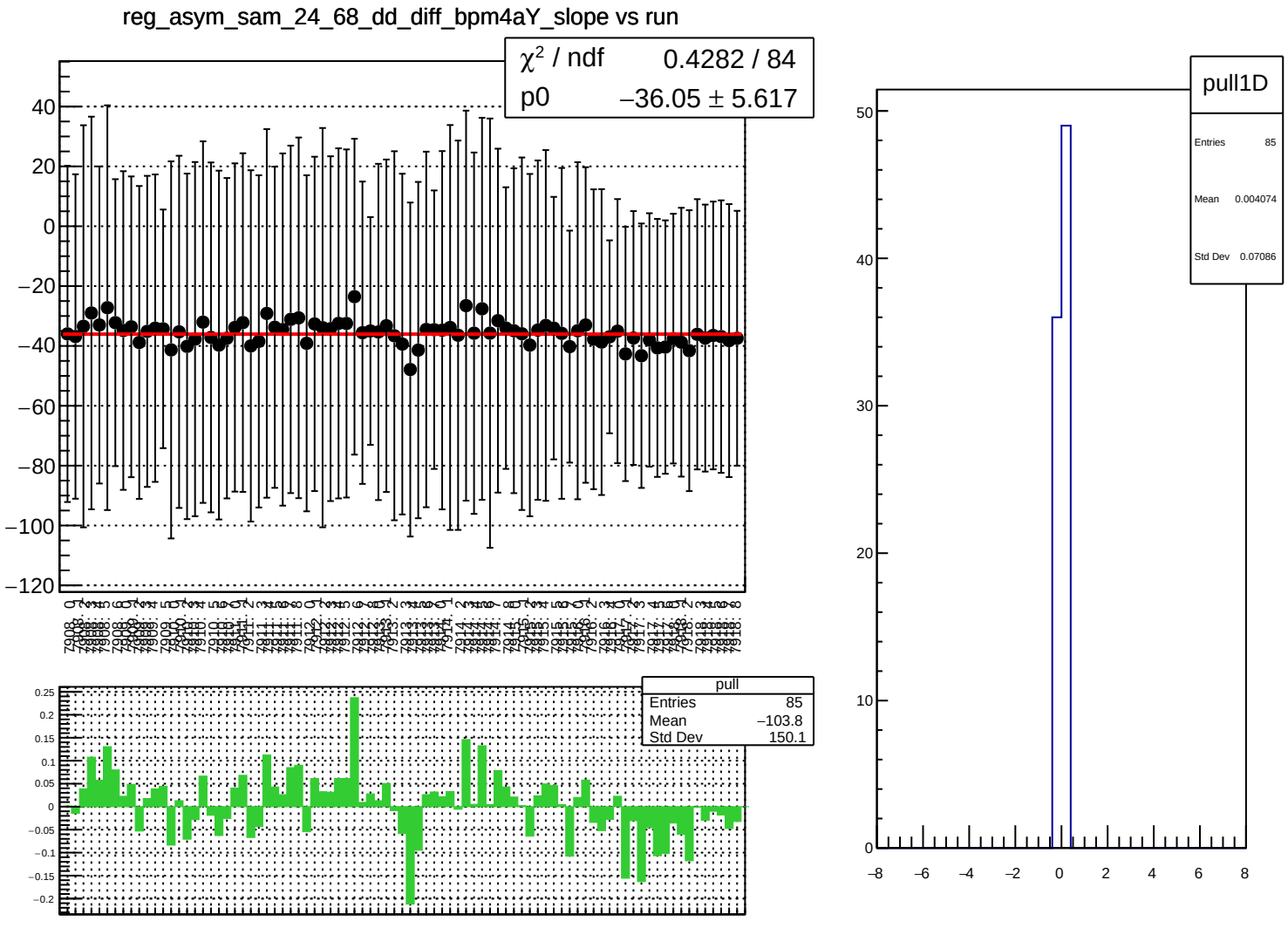

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.05 / 84
p0 9.062 ± 1.774
pull
Entries 85
Mean −86.17
Std Dev 135.6
pull1D
Entries 85
Mean −0.06625
Std Dev 0.5706

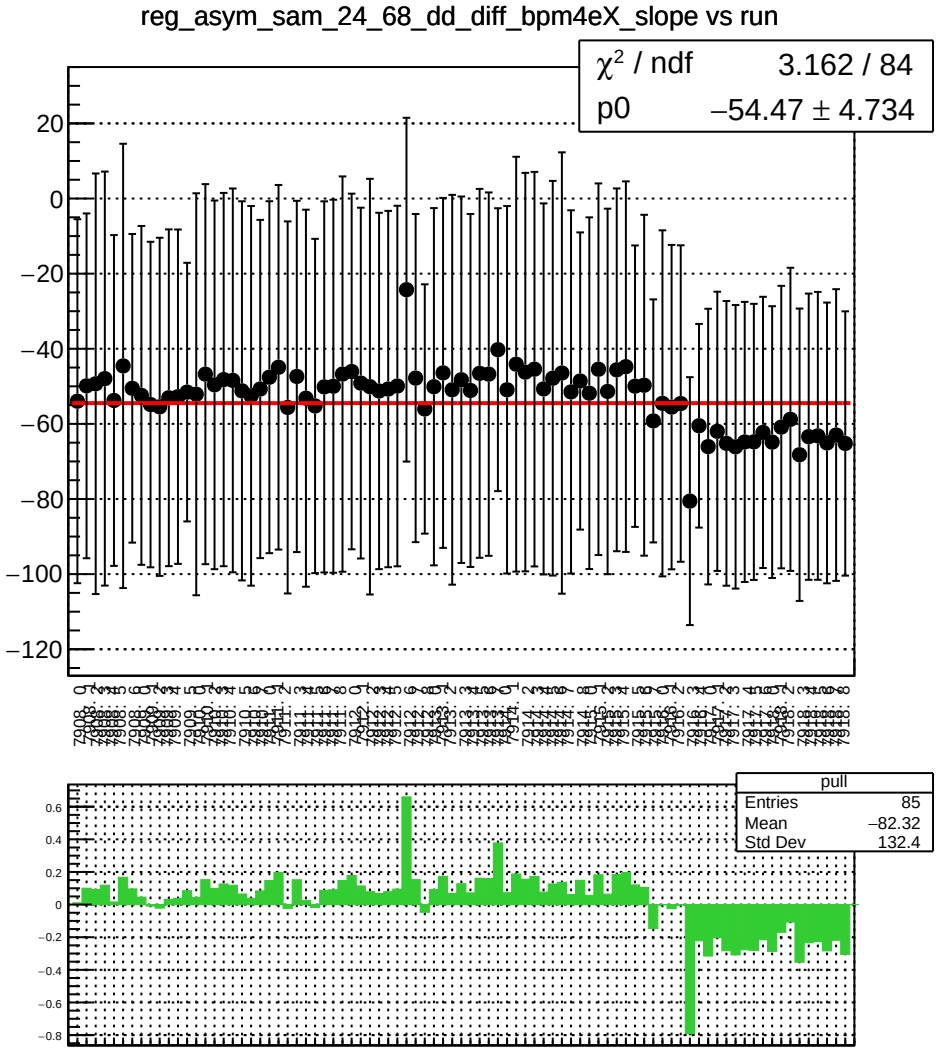

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.58 / 84
p0 16.82 ± 2.445
pull
Entries 85
Mean −81.94
Std Dev 131.9
pull1D
Entries 85
Mean 0.01203
Std Dev 0.1738

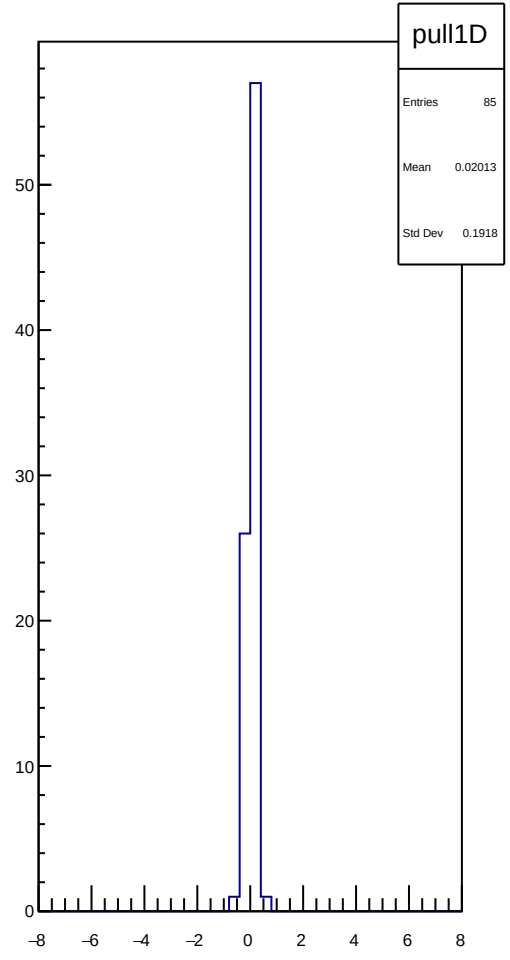

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.84 / 84
p0 0.4088 ± 0.07317
pull
Entries 85
Mean −67.89
Std Dev 116.3
pull1D
Entries 85
Mean 0.04275
Std Dev 0.3545

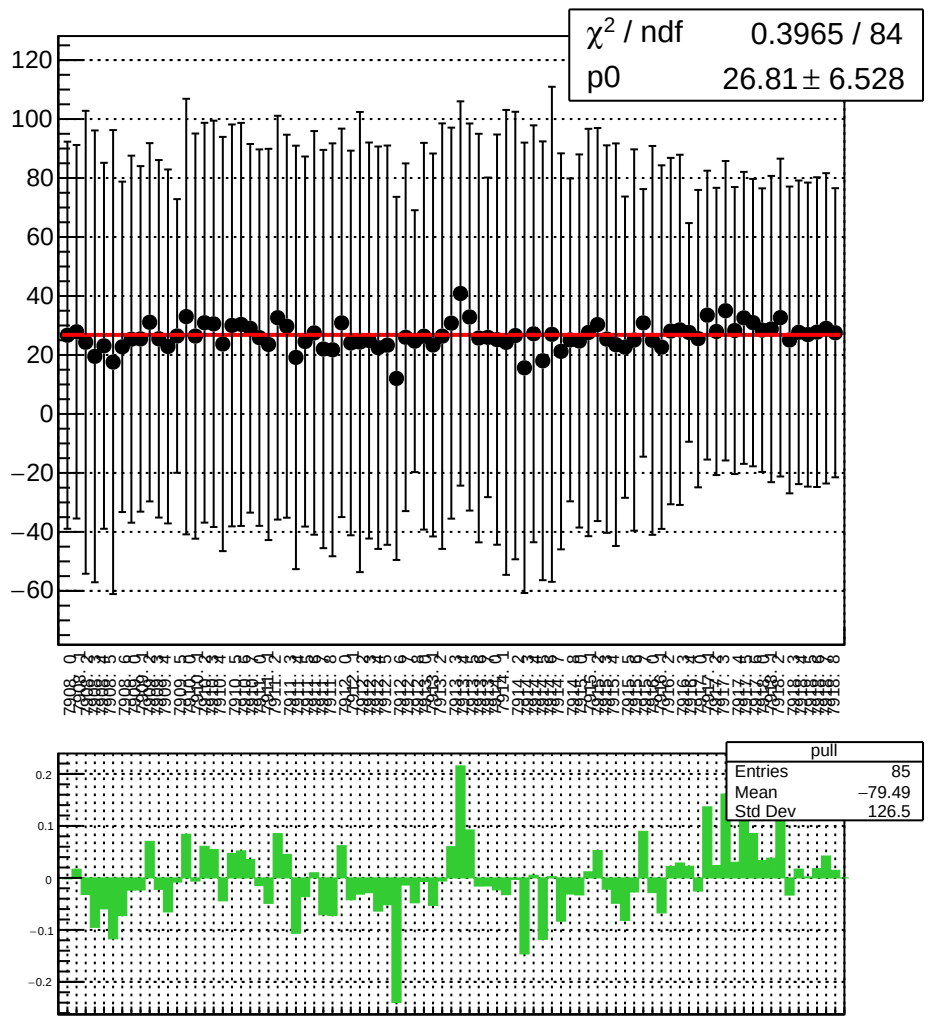

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 4.31 / 84
p0 −68.94 ± 5.545
pull
Entries 85
Mean −65.99
Std Dev 114.8

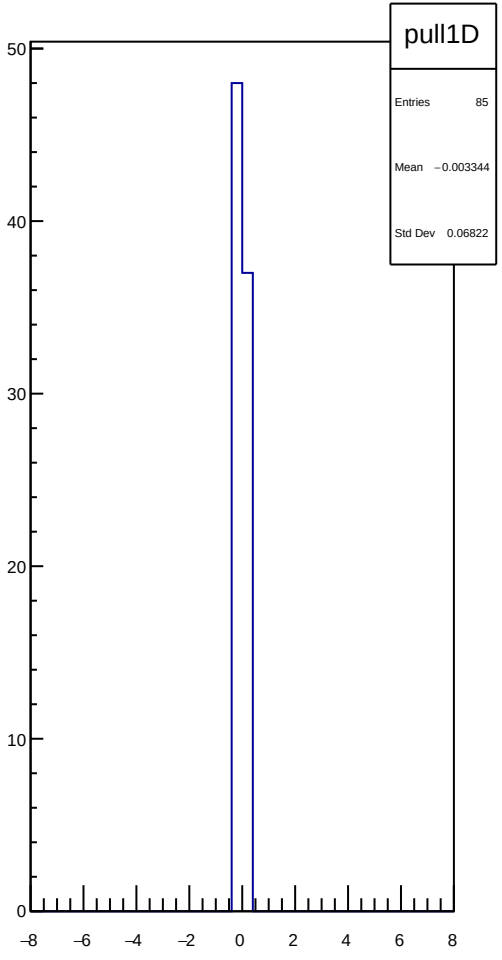

pull1D
Entries 85
Mean −0.03027
Std Dev 0.2231

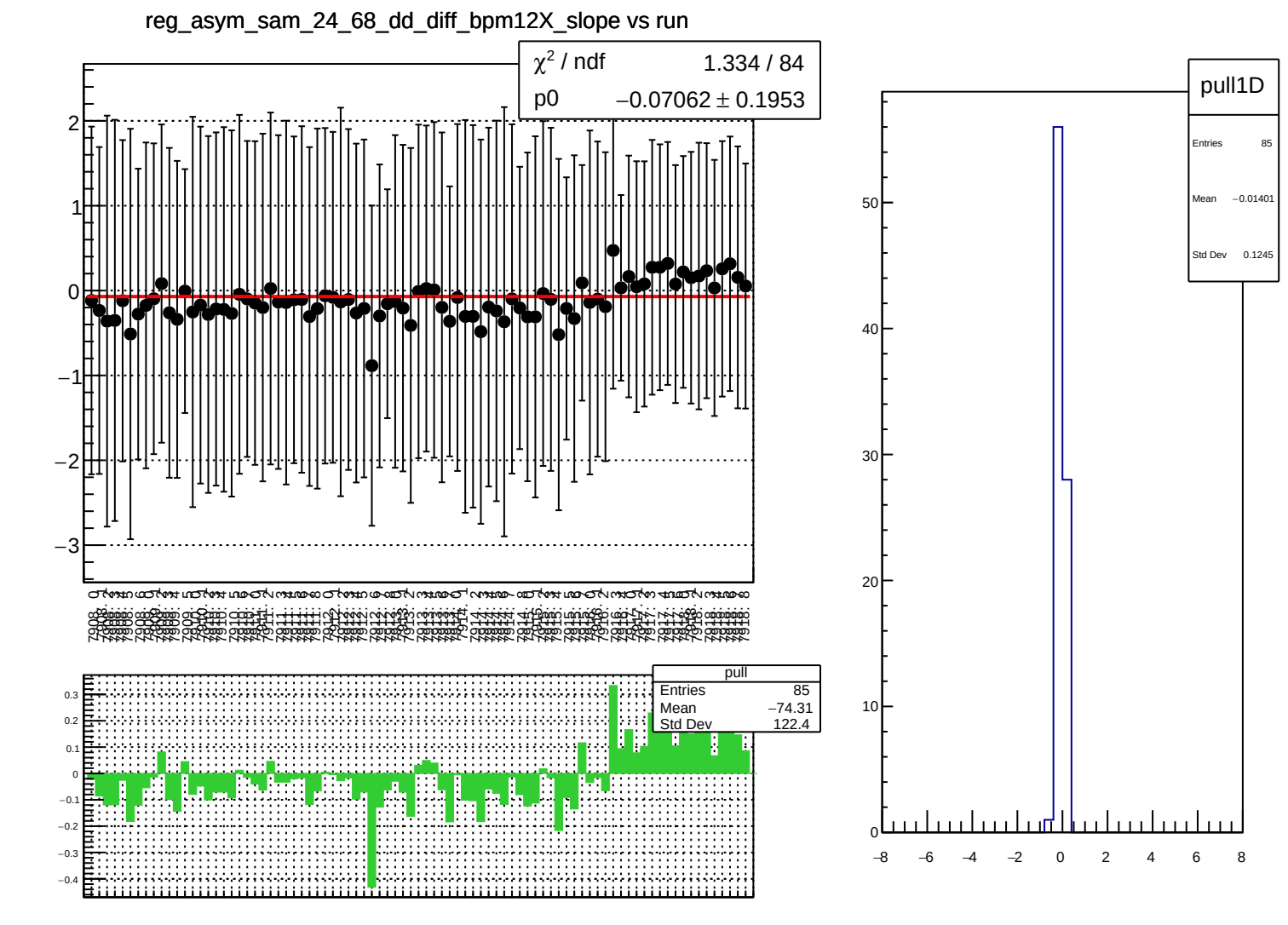

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4282 / 84
p0 −36.05 ± 5.617
pull
Entries 85
Mean −103.8
Std Dev 150.1
pull1D
Entries 85
Mean 0.004074
Std Dev 0.07086

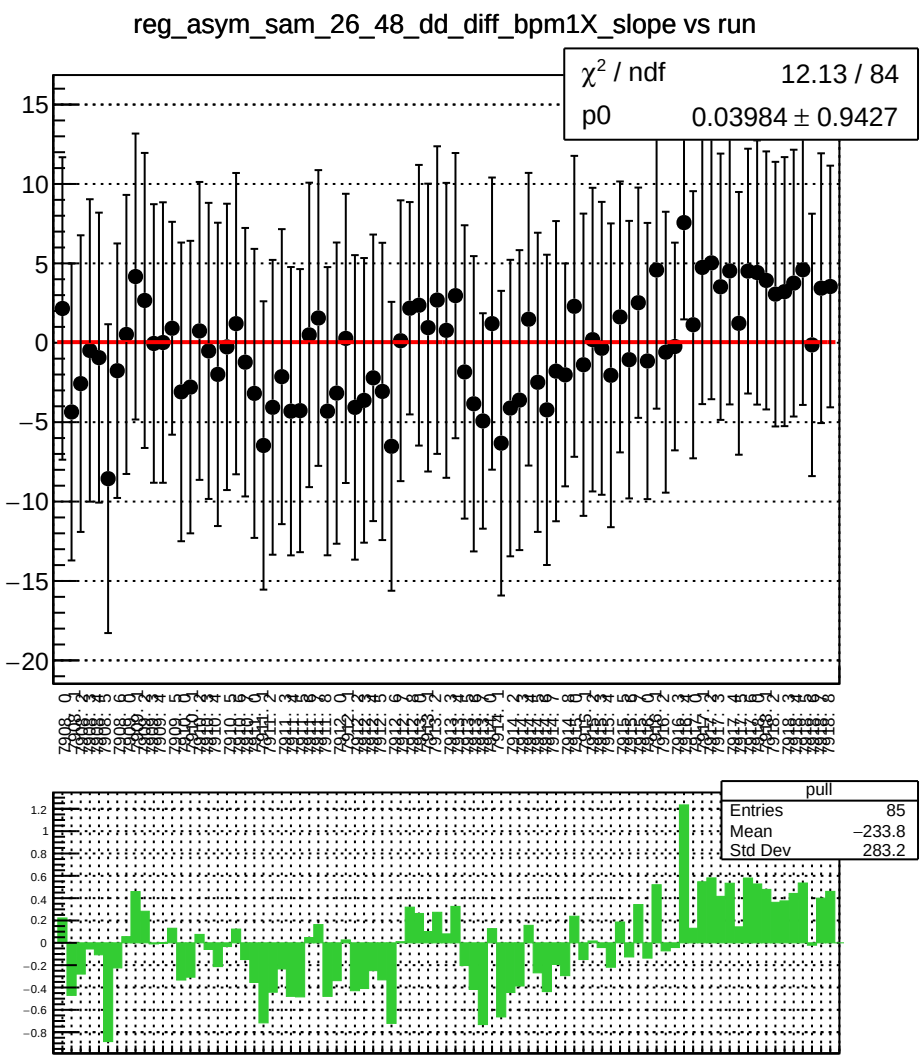

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.162 / 84
p0 −54.47 ± 4.734
pull
Entries 85
Mean −82.32
Std Dev 132.4

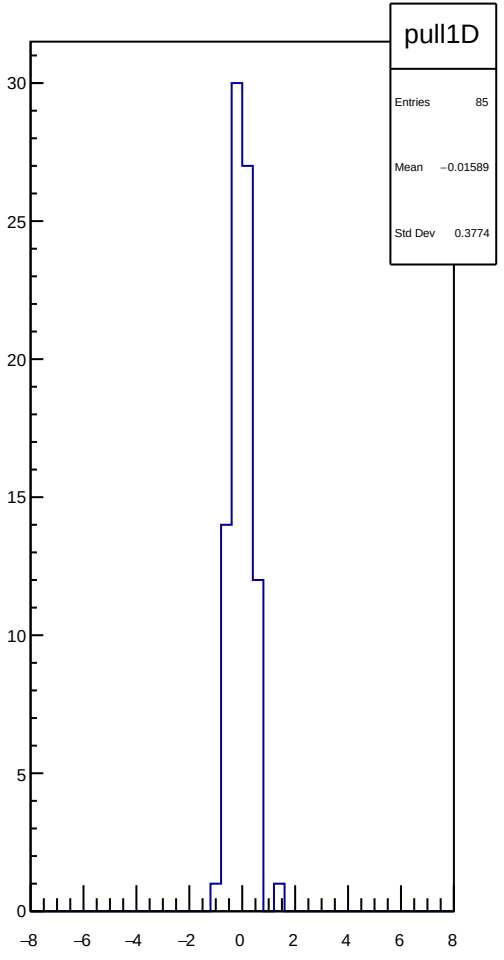

pull1D
Entries 85
Mean 0.02013
Std Dev 0.1918

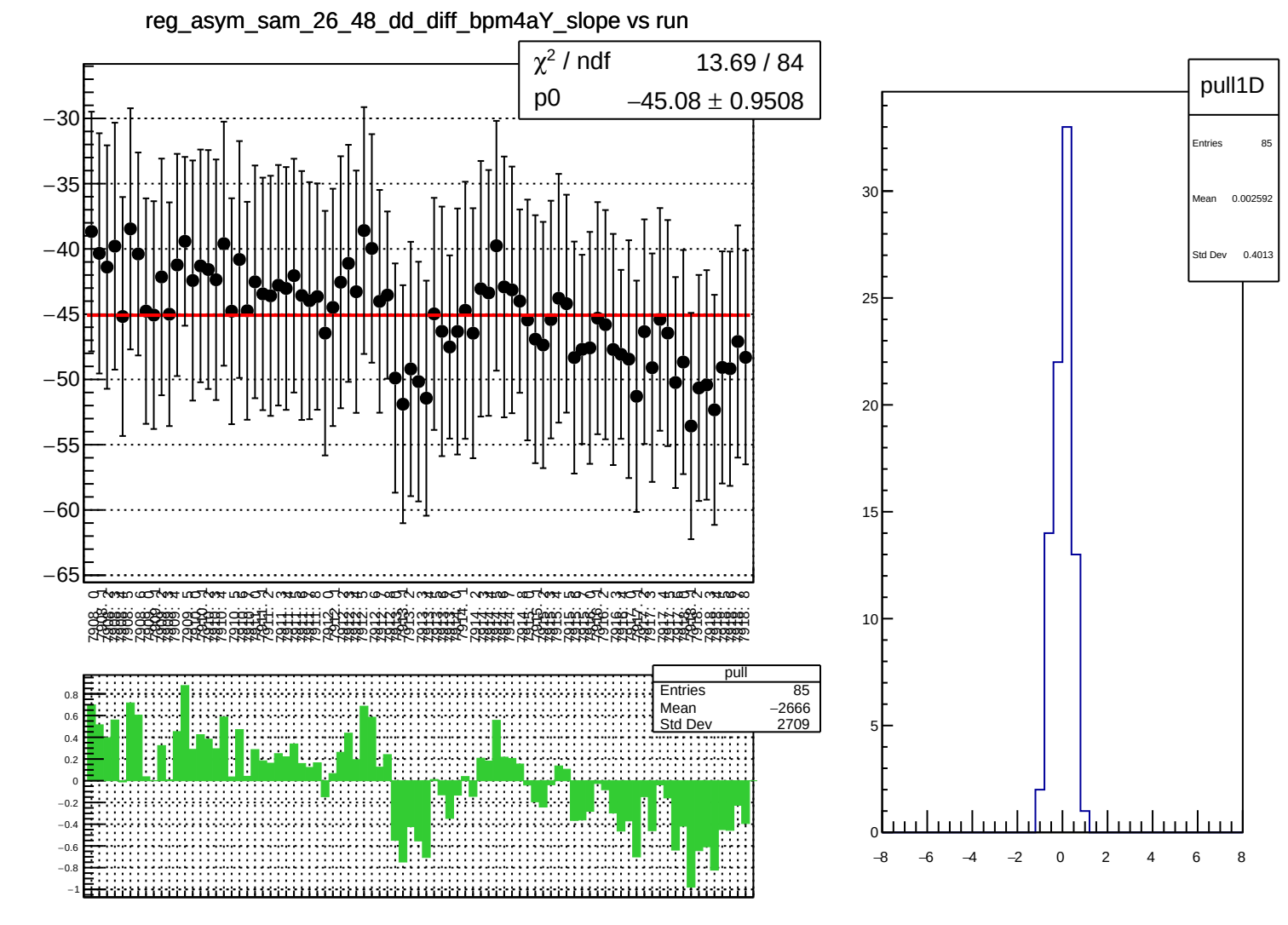

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3965 / 84
p0 26.81 ± 6.528
pull
Entries 85
Mean −79.49
Std Dev 126.5

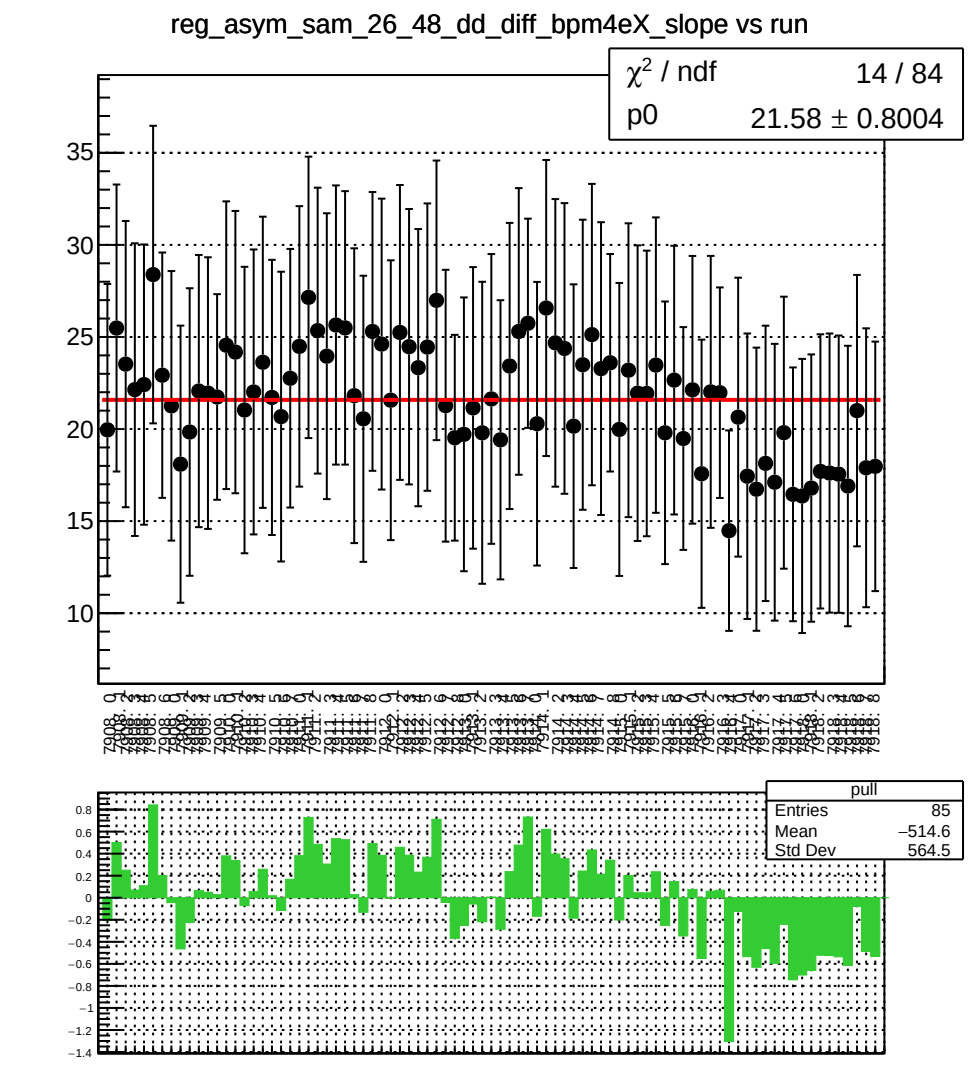

pull1D
Entries 85
Mean −0.003344
Std Dev 0.06822

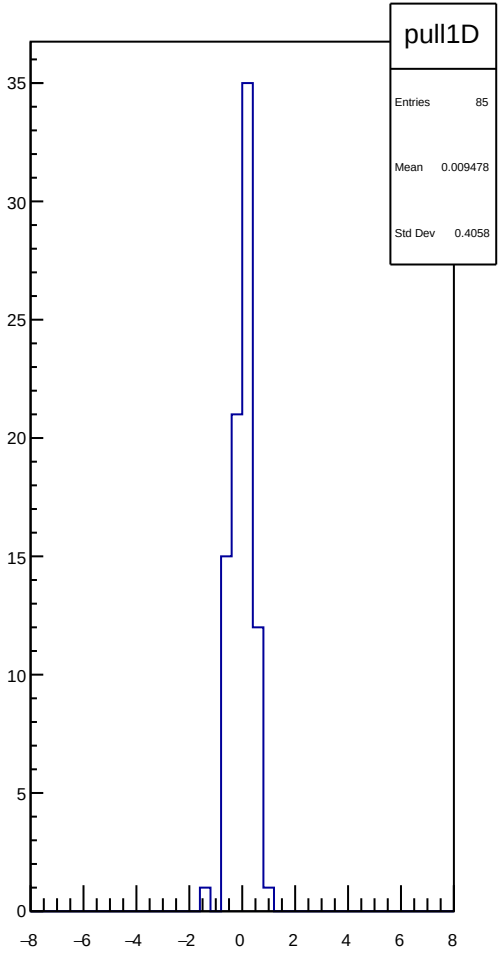

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.334 / 84
p0 −0.07062 ± 0.1953
pull
Entries 85
Mean −74.31
Std Dev 122.4
pull1D
Entries 85
Mean −0.01401
Std Dev 0.1245

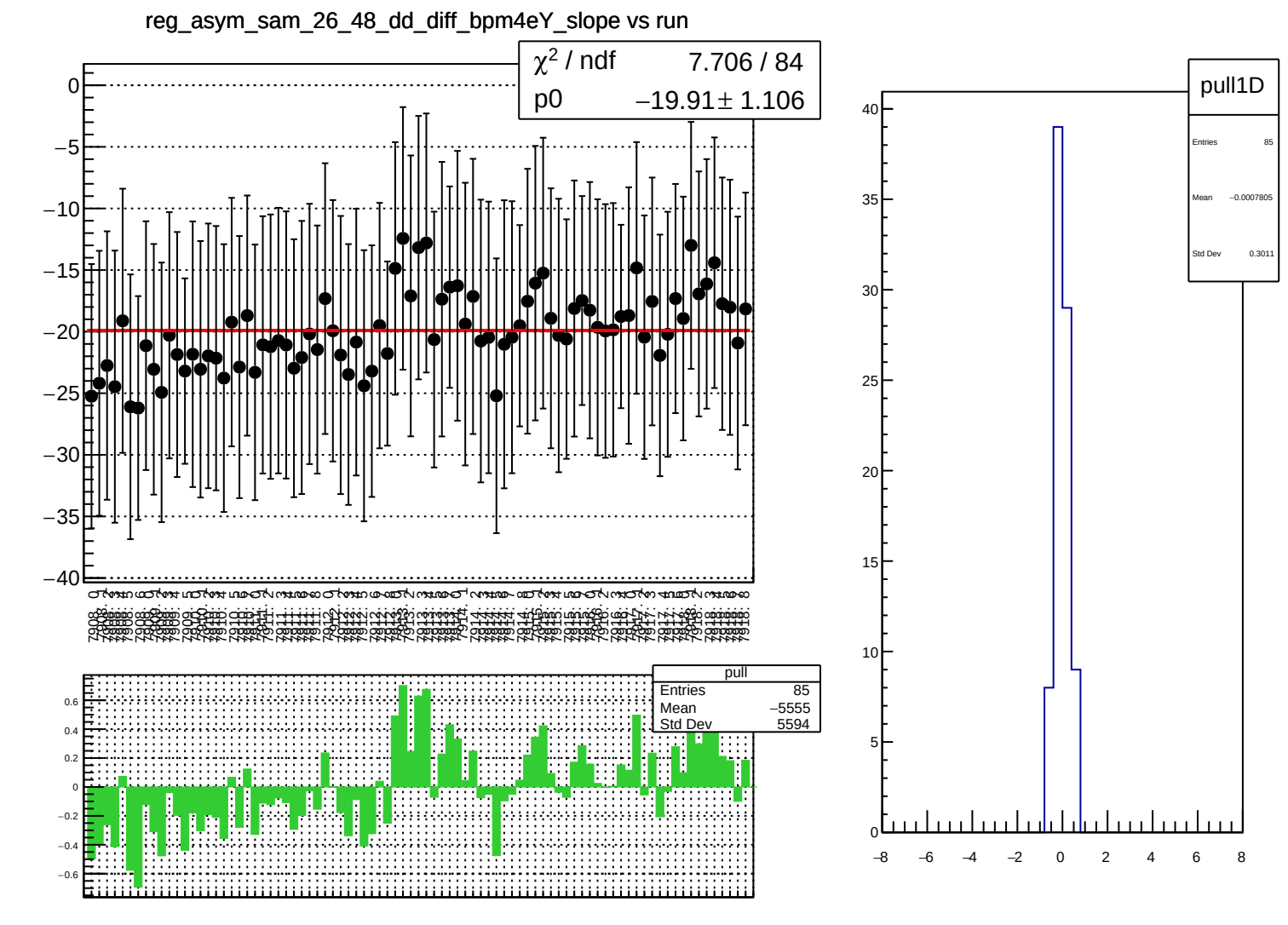

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.13 / 84
p0 0.03984 ± 0.9427
pull
Entries 85
Mean −233.8
Std Dev 283.2

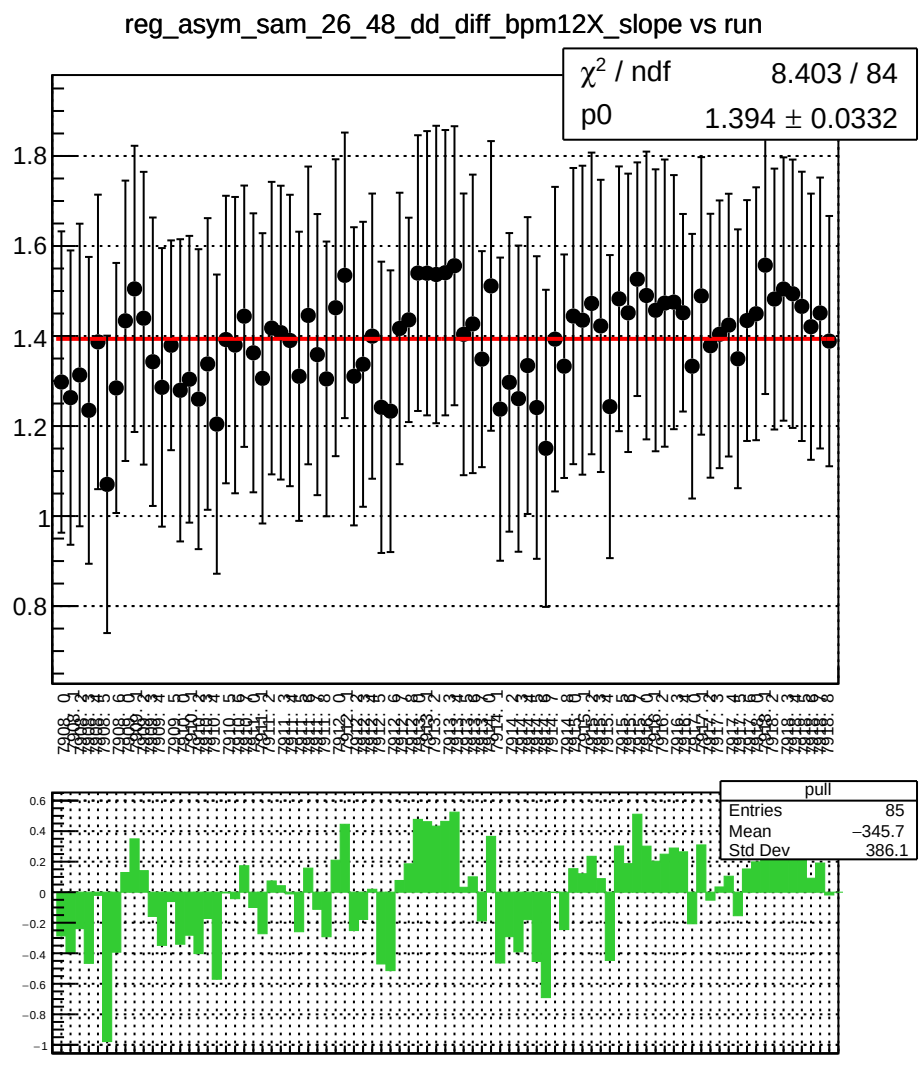

pull1D
Entries 85
Mean −0.01589
Std Dev 0.3774

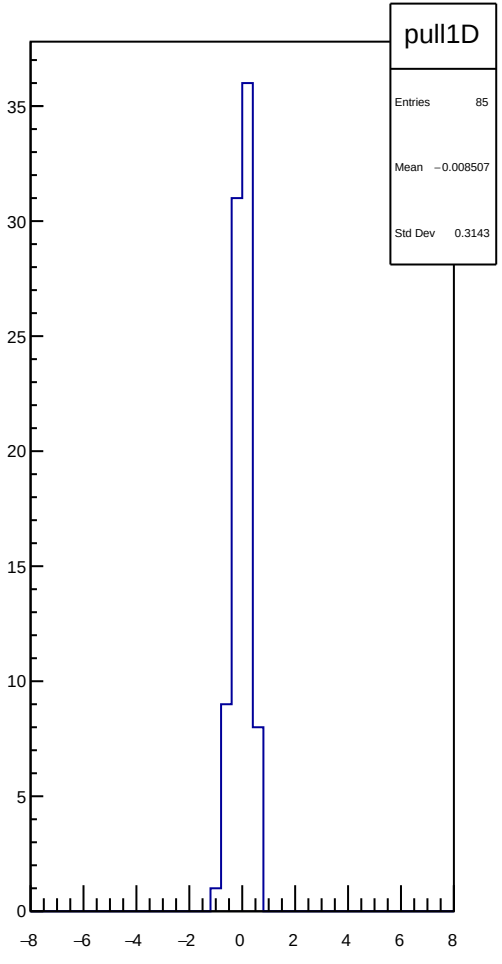

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.69 / 84
p0 −45.08 ± 0.9508
pull
Entries 85
Mean −2666
Std Dev 2709
pull1D
Entries 85
Mean 0.002592
Std Dev 0.4013

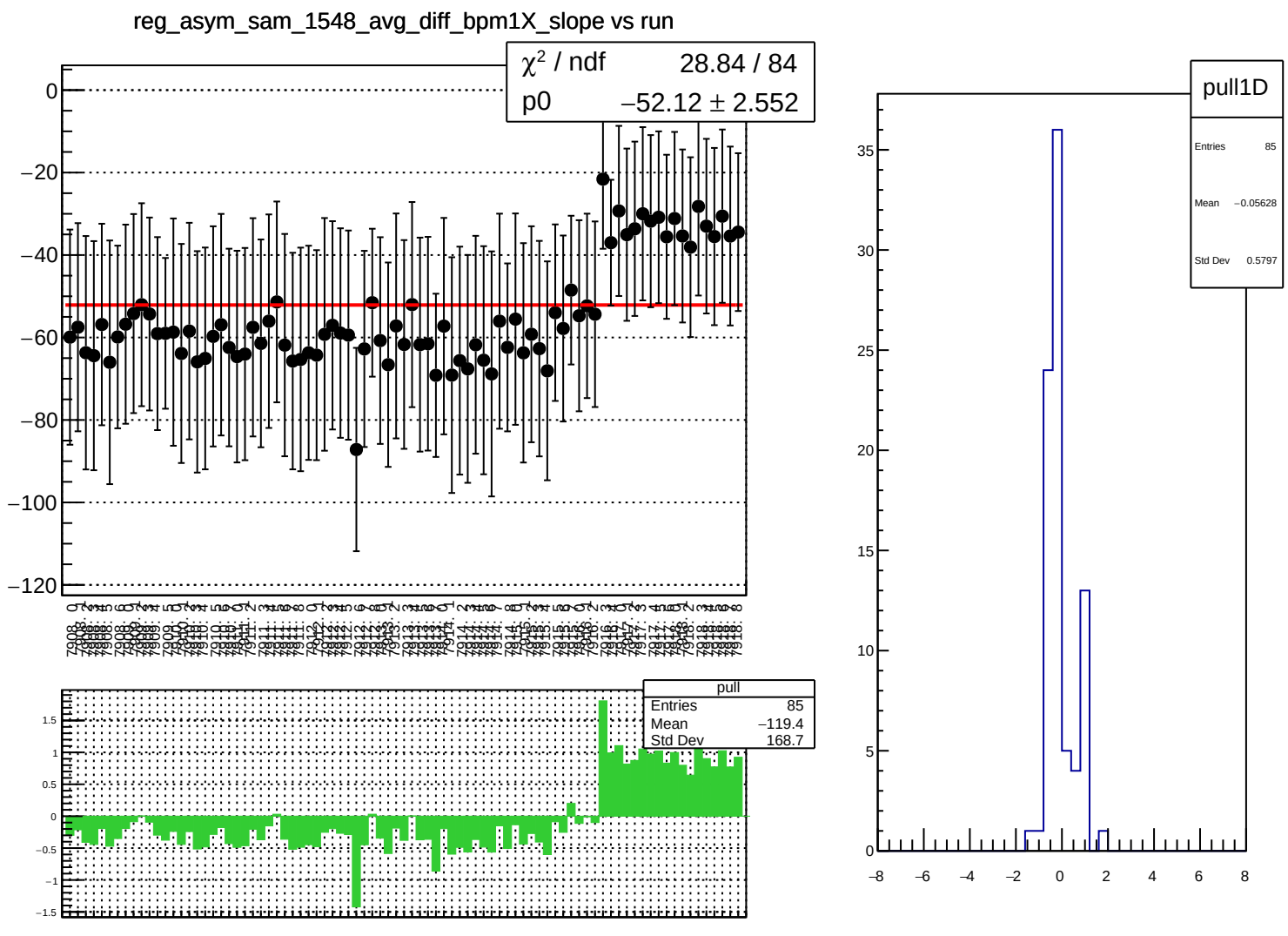

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14 / 84
p0 21.58 ± 0.8004
pull
Entries 85
Mean −514.6
Std Dev 564.5

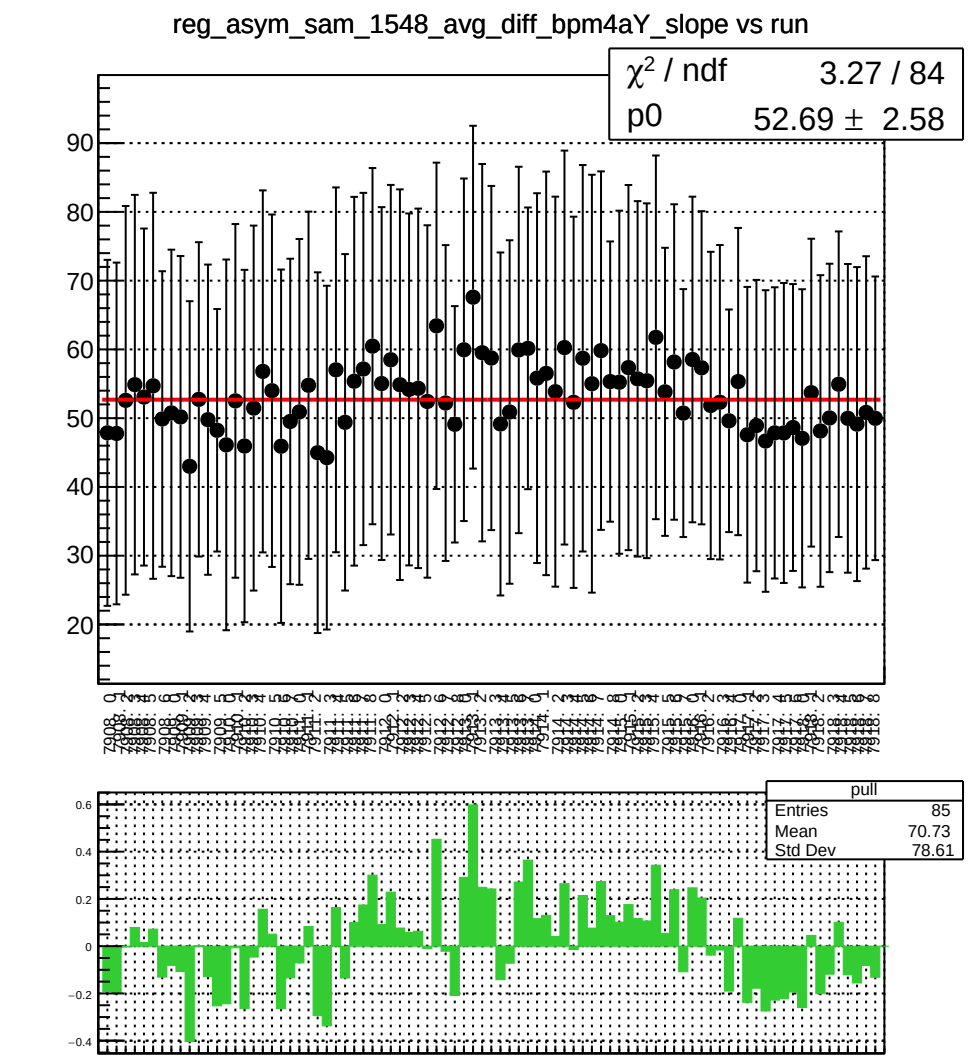

pull1D
Entries 85
Mean 0.009478
Std Dev 0.4058

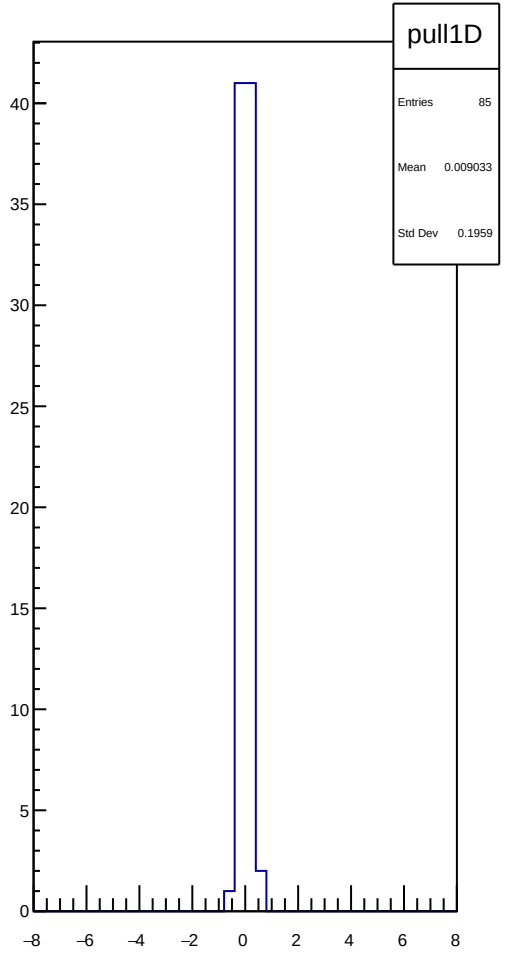

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.706 / 84
p0 −19.91± 1.106
pull
Entries 85
Mean −5555
Std Dev 5594
pull1D
Entries 85
Mean −0.0007805
Std Dev 0.3011

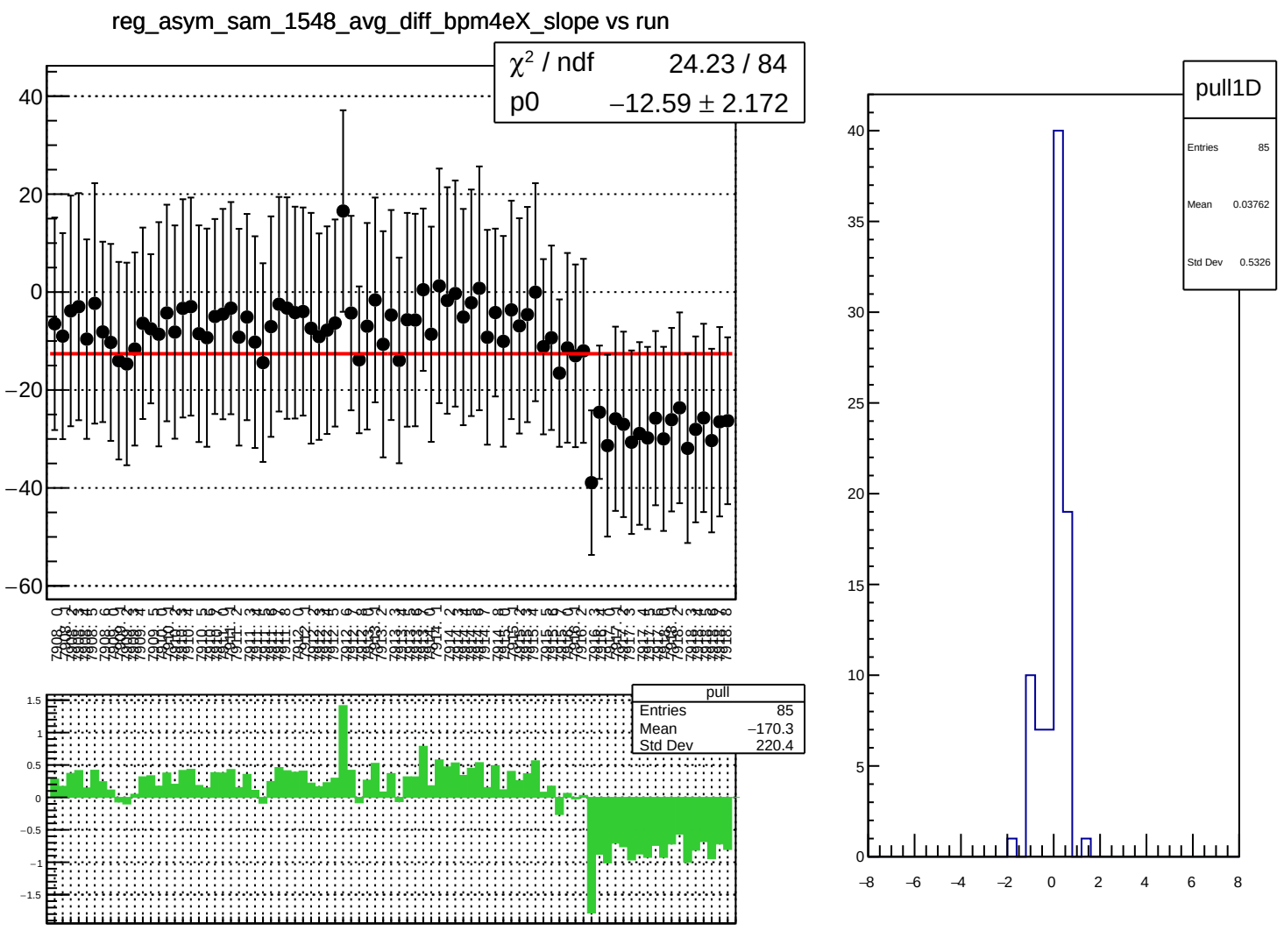

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.403 / 84
p0 1.394 ± 0.0332
pull
Entries 85
Mean −345.7
Std Dev 386.1

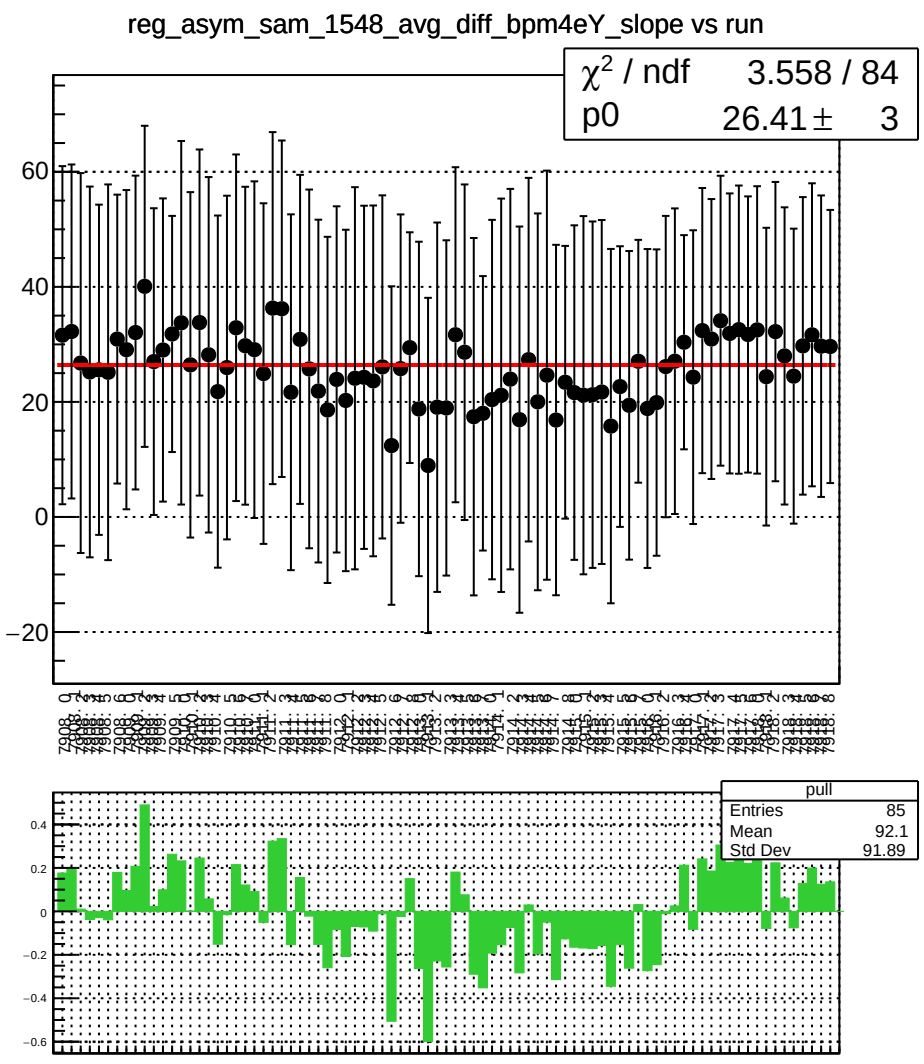

pull1D
Entries 85
Mean −0.008507
Std Dev 0.3143

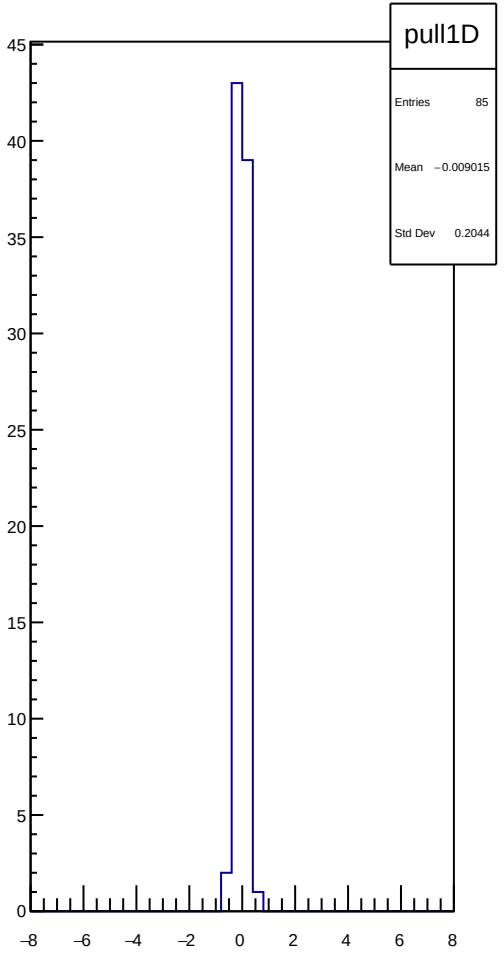

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 28.84 / 84
p0 −52.12 ± 2.552
pull
Entries 85
Mean −119.4
Std Dev 168.7
pull1D
Entries 85
Mean −0.05628
Std Dev 0.5797

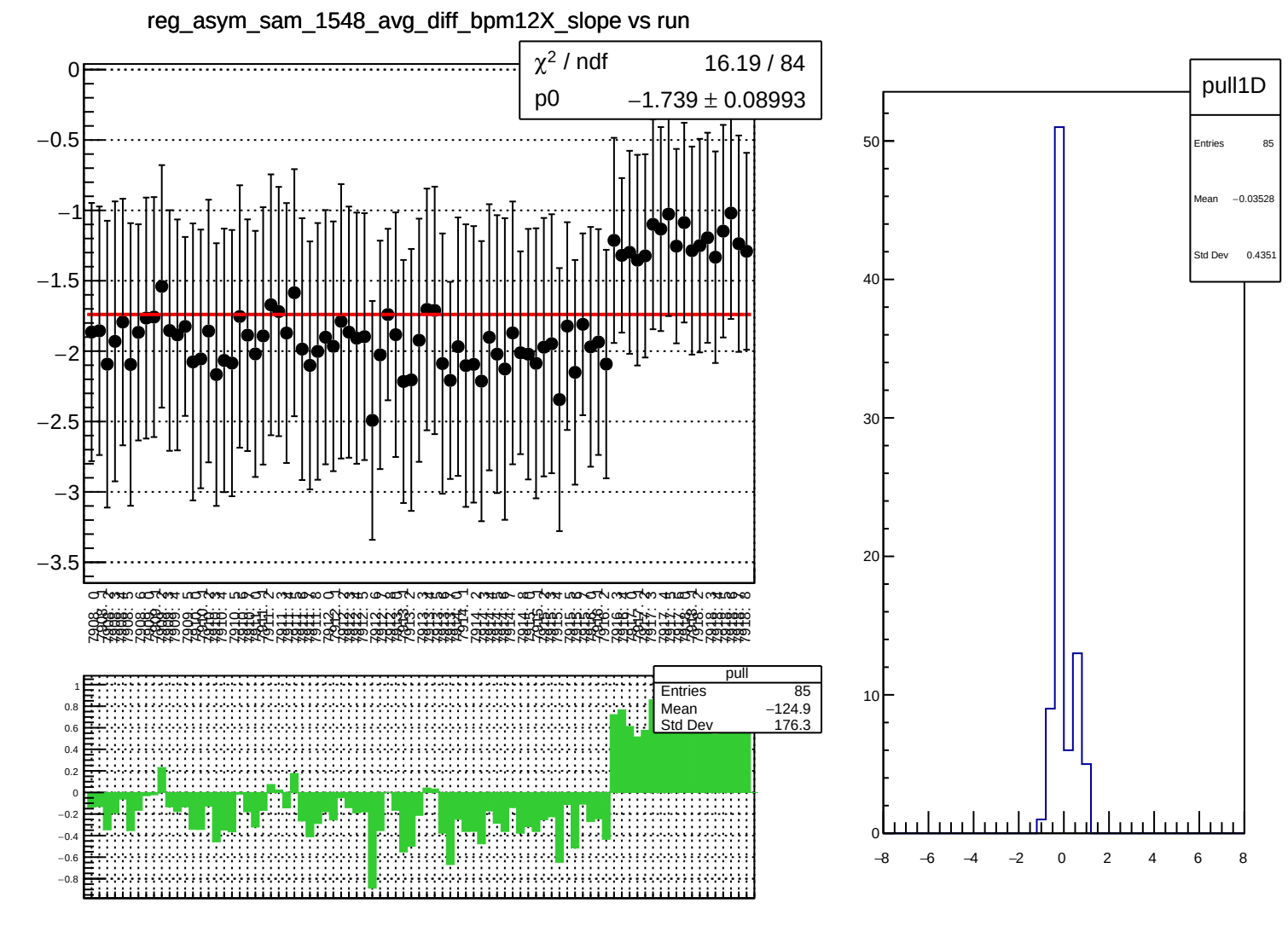

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.27 / 84
p0 52.69 ± 2.58
pull
Entries 85
Mean 70.73
Std Dev 78.61

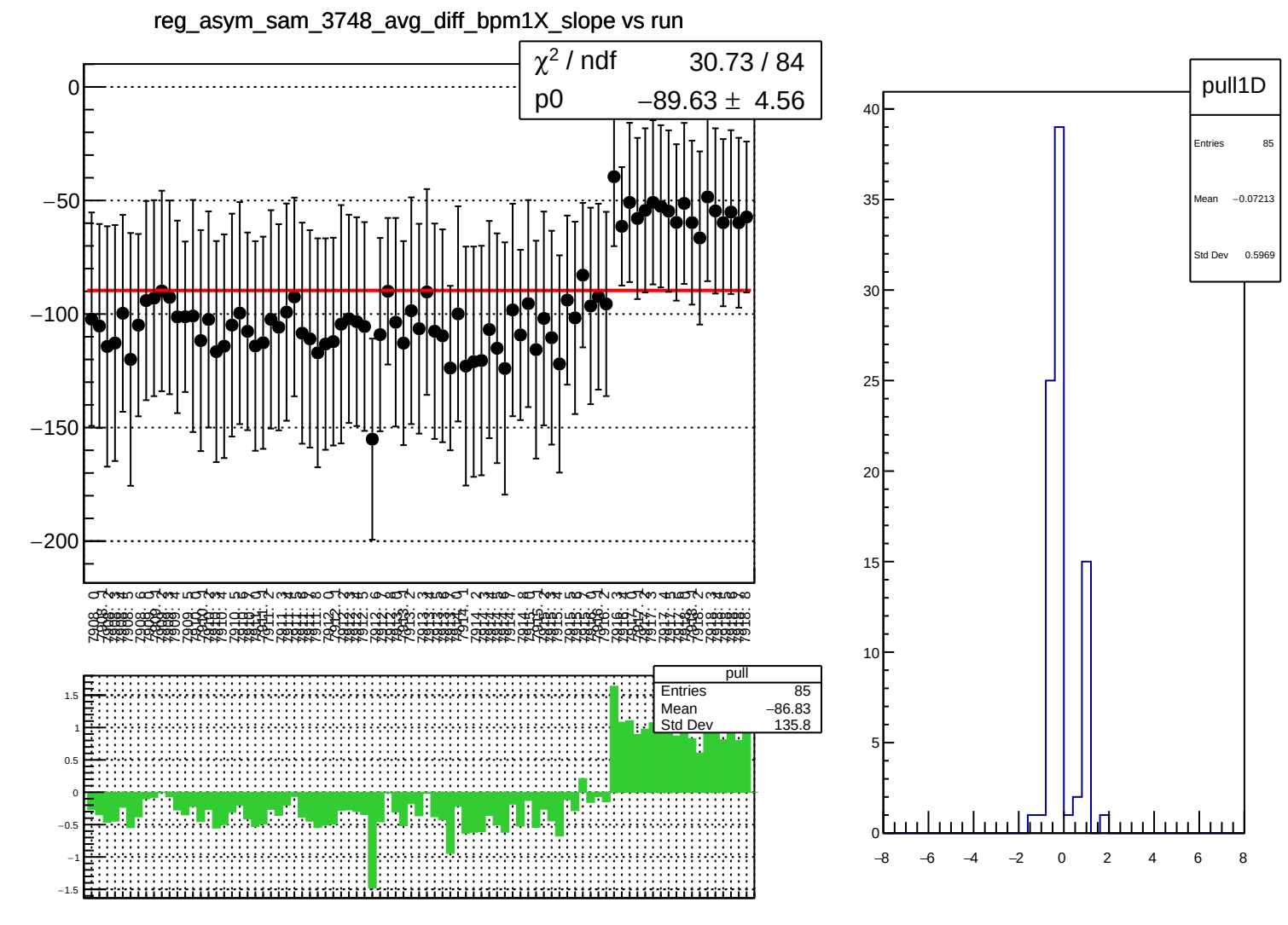

pull1D
Entries 85
Mean 0.009033
Std Dev 0.1959

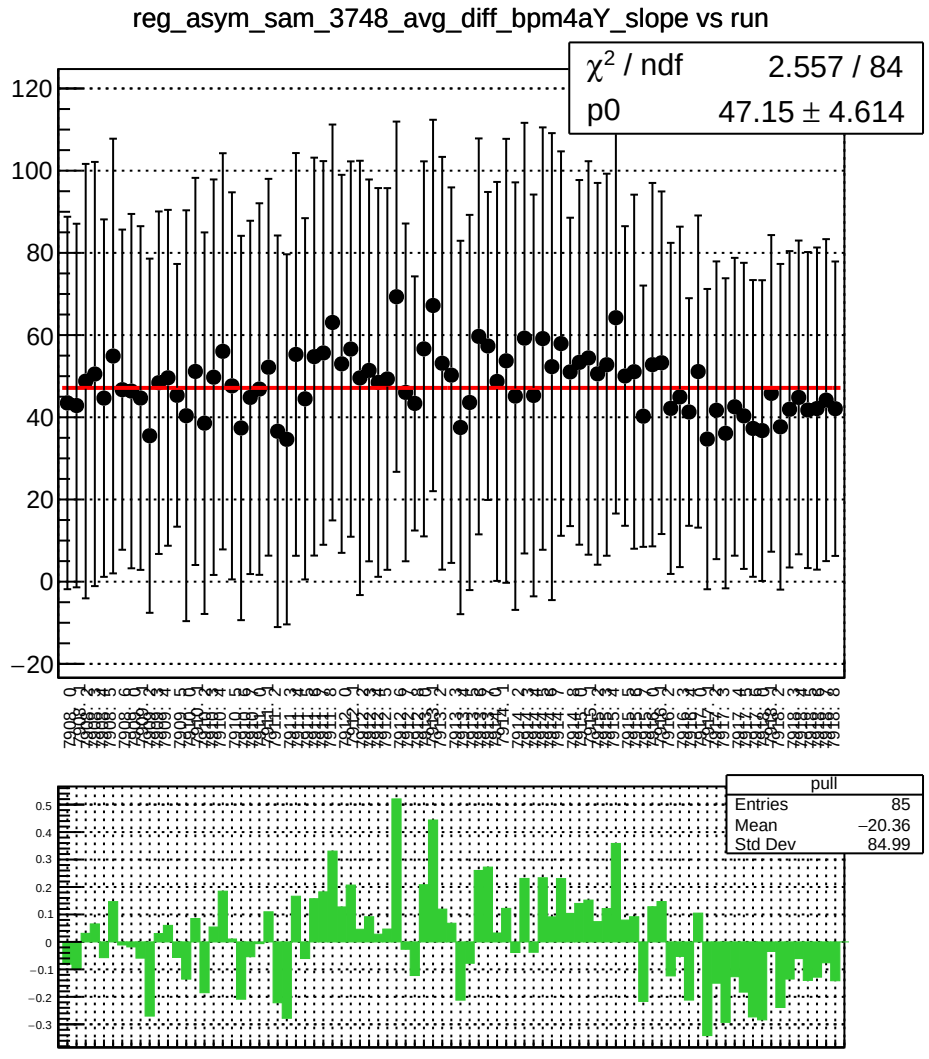

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.23 / 84
p0 −12.59 ± 2.172
pull
Entries 85
Mean −170.3
Std Dev 220.4
pull1D
Entries 85
Mean 0.03762
Std Dev 0.5326

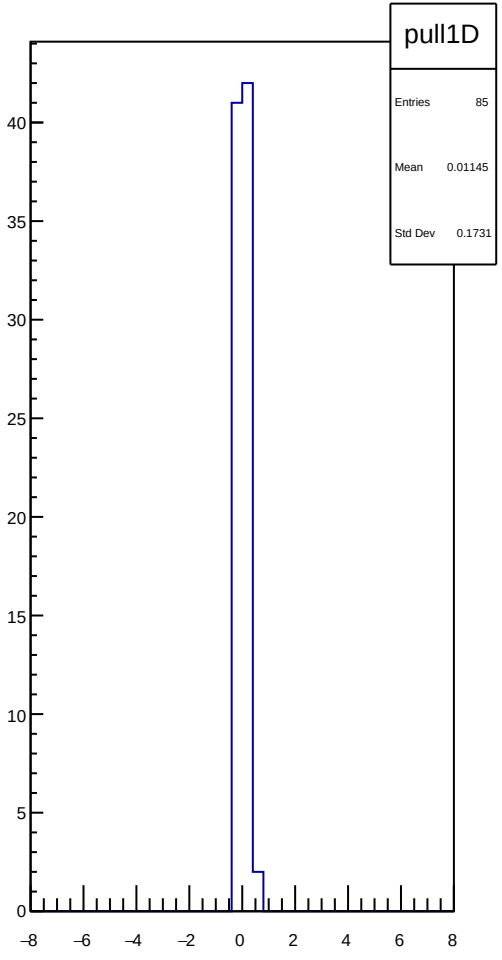

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.558 / 84
p0 26.41 ± 3
pull
Entries 85
Mean 92.1
Std Dev 91.89

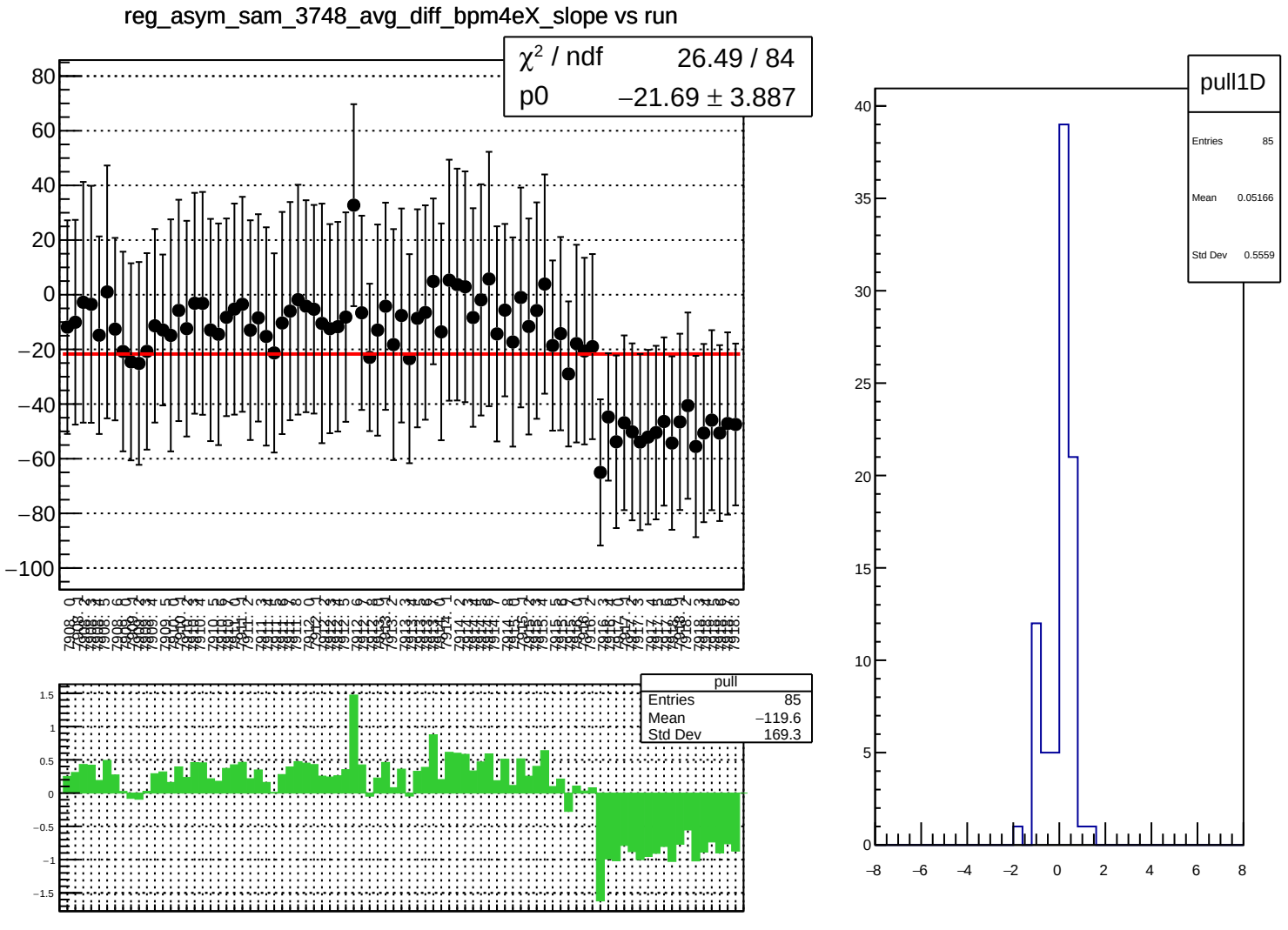

pull1D
Entries 85
Mean −0.009015
Std Dev 0.2044

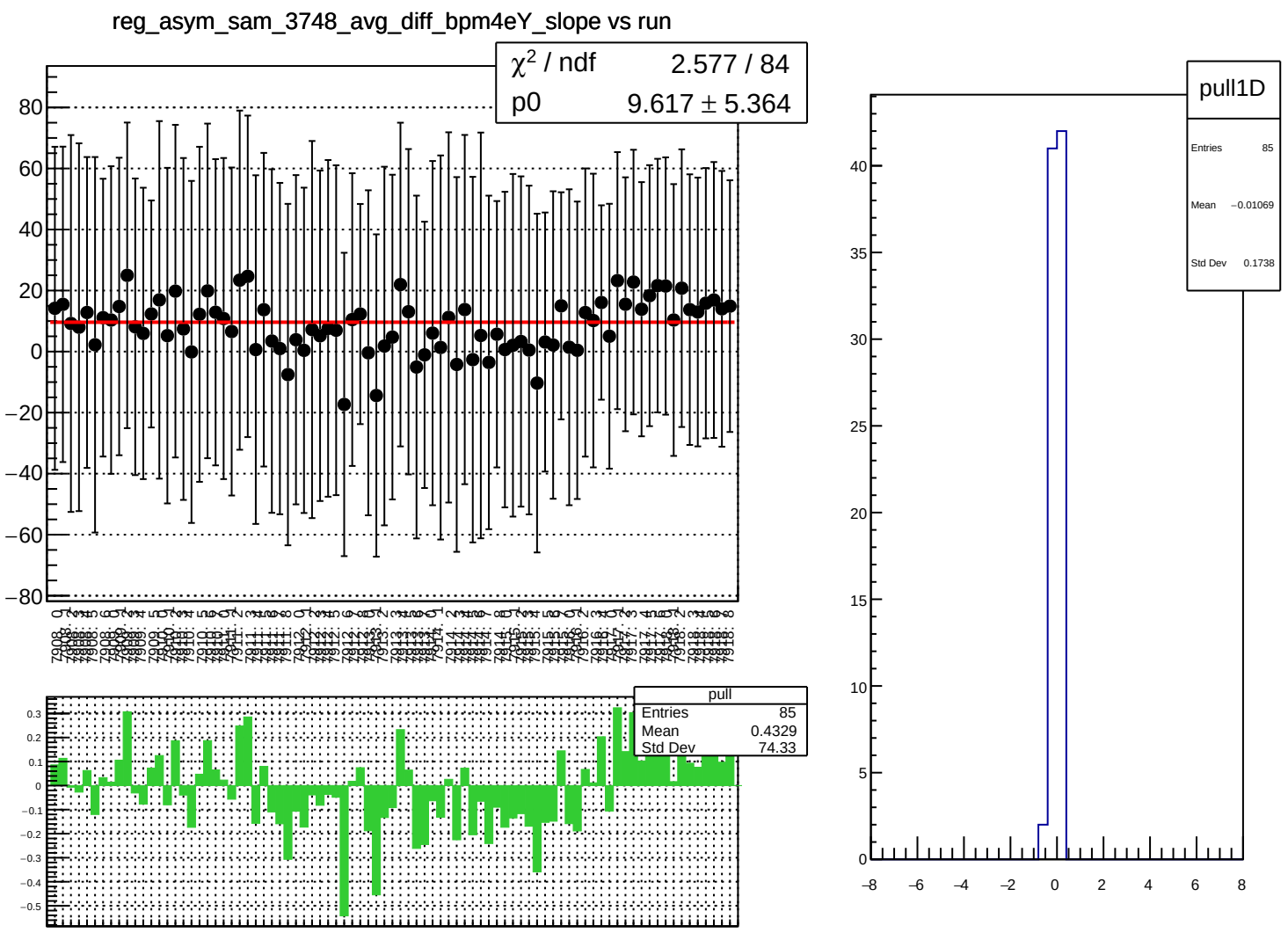

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 16.19 / 84
p0 −1.739 ± 0.08993
pull
Entries 85
Mean −124.9
Std Dev 176.3
pull1D
Entries 85
Mean −0.03528
Std Dev 0.4351

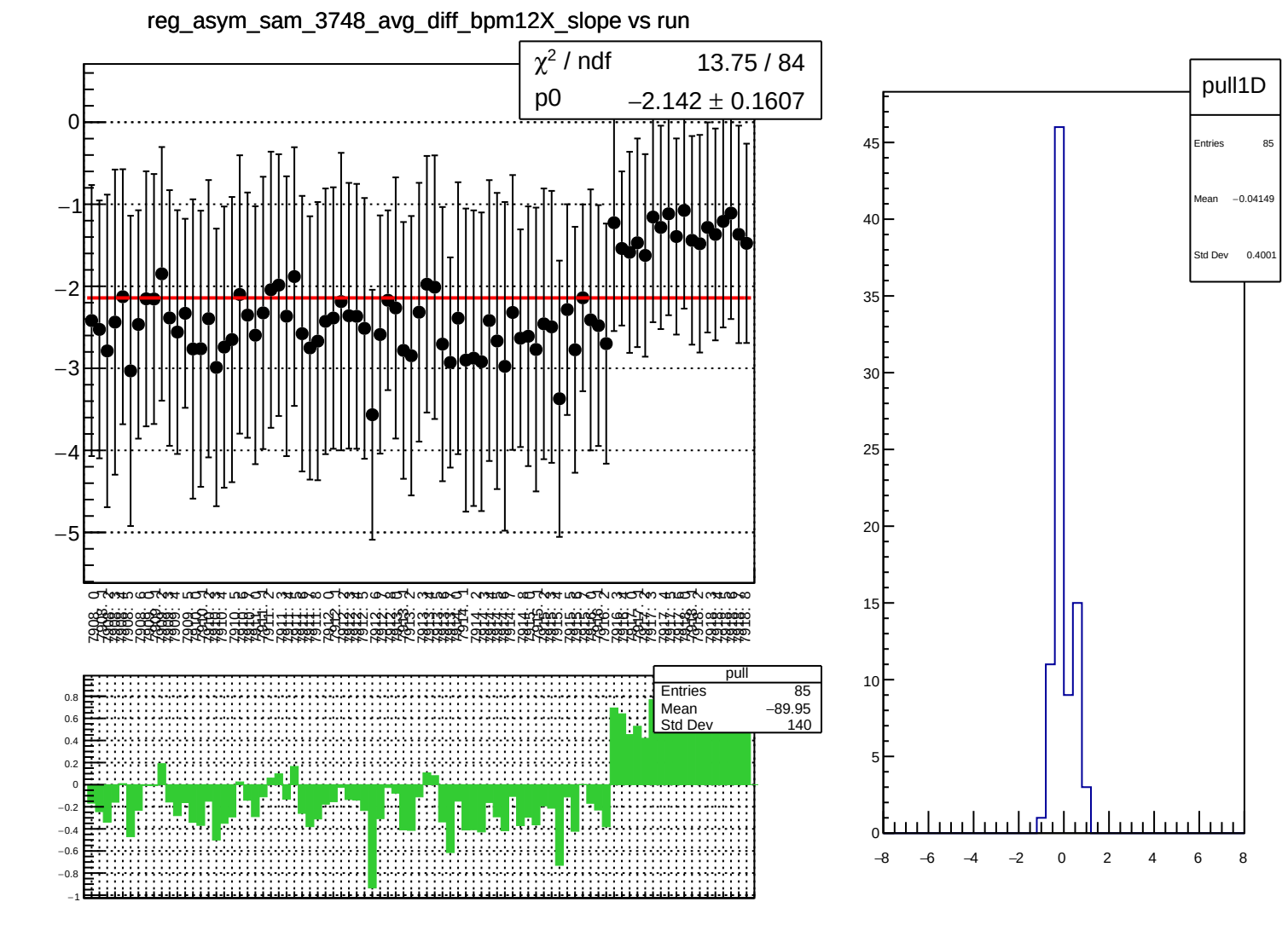

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 30.73 / 84
p0 −89.63 ± 4.56
pull
Entries 85
Mean −86.83
Std Dev 135.8
pull1D
Entries 85
Mean −0.07213
Std Dev 0.5969

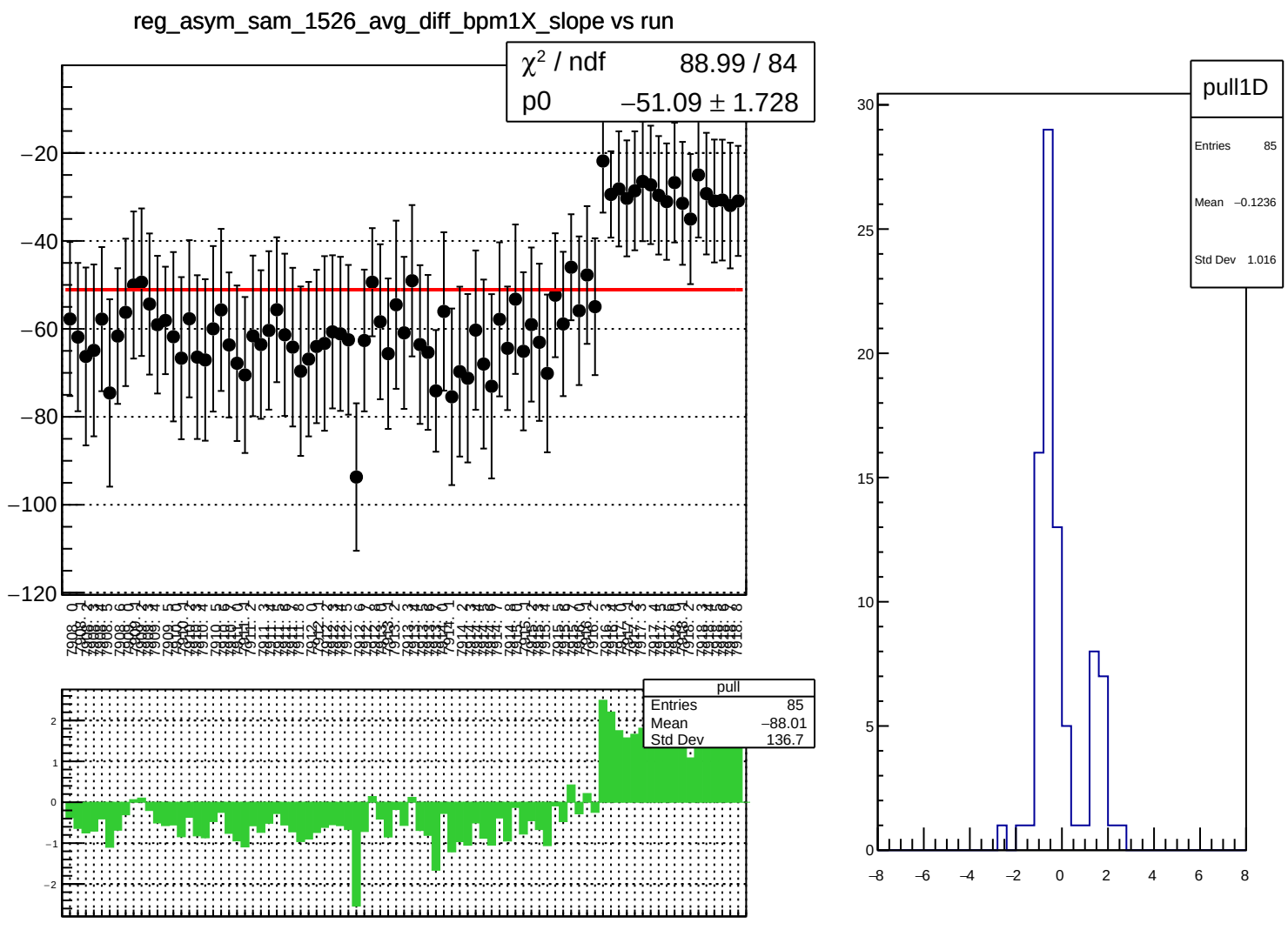

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.557 / 84
p0 47.15 ± 4.614
pull
Entries 85
Mean −20.36
Std Dev 84.99

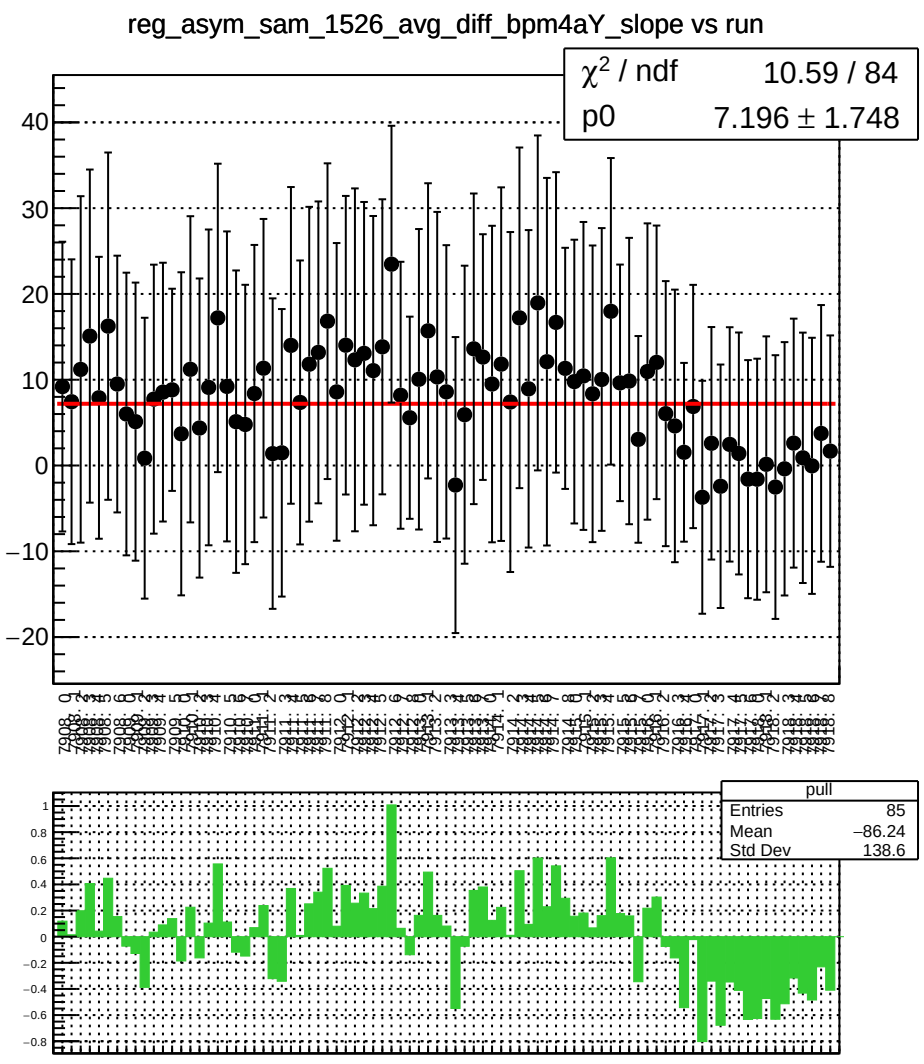

pull1D
Entries 85
Mean 0.01145
Std Dev 0.1731

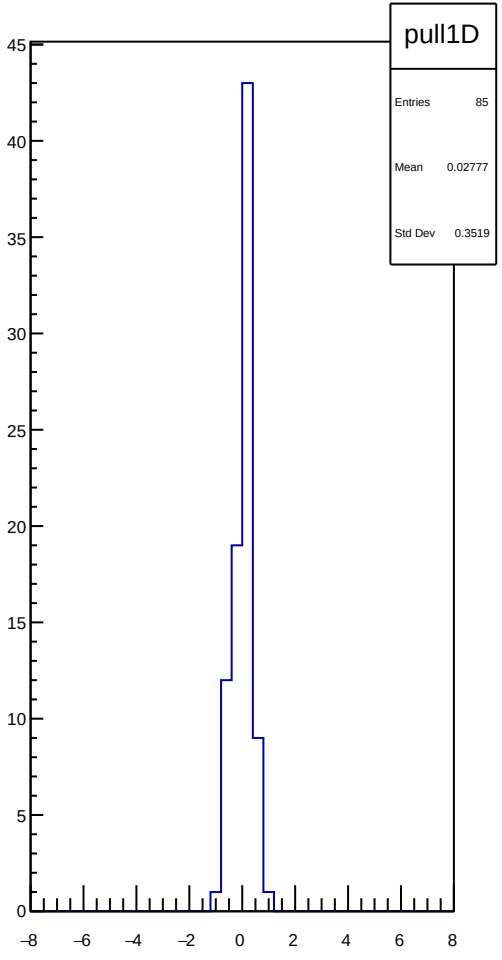

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.49 / 84
p0 −21.69 ± 3.887
pull
Entries 85
Mean −119.6
Std Dev 169.3
pull1D
Entries 85
Mean 0.05166
Std Dev 0.5559

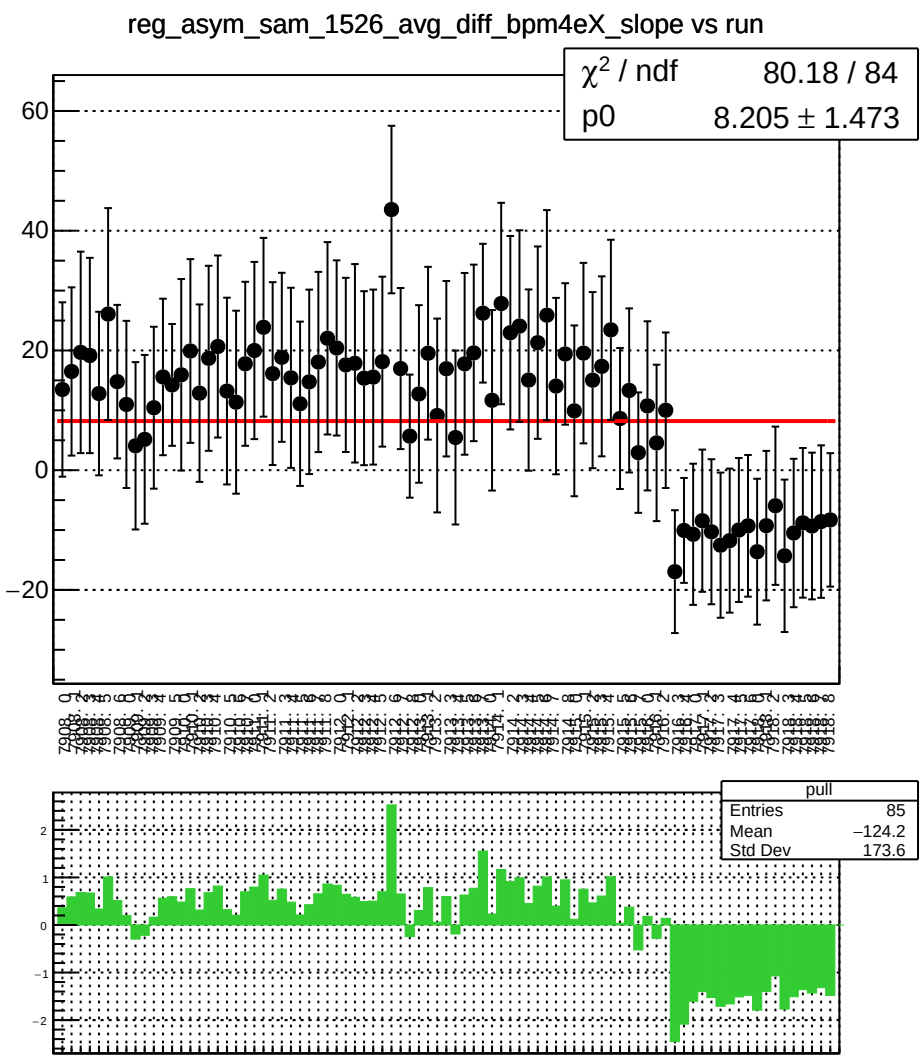

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.577 / 84
p0 9.617 ± 5.364
pull
Entries 85
Mean 0.4329
Std Dev 74.33
pull1D
Entries 85
Mean −0.01069
Std Dev 0.1738

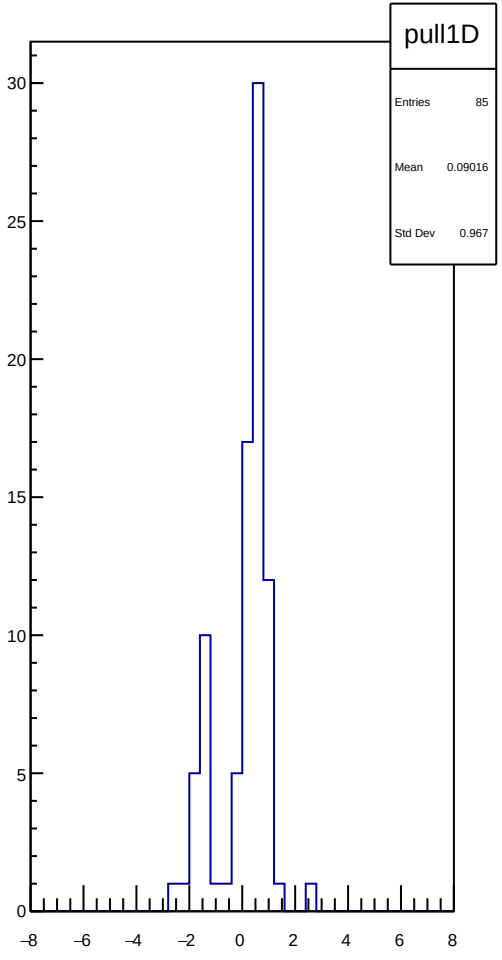

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 13.75 / 84
p0 −2.142 ± 0.1607
pull
Entries 85
Mean −89.95
Std Dev 140
pull1D
Entries 85
Mean −0.04149
Std Dev 0.4001

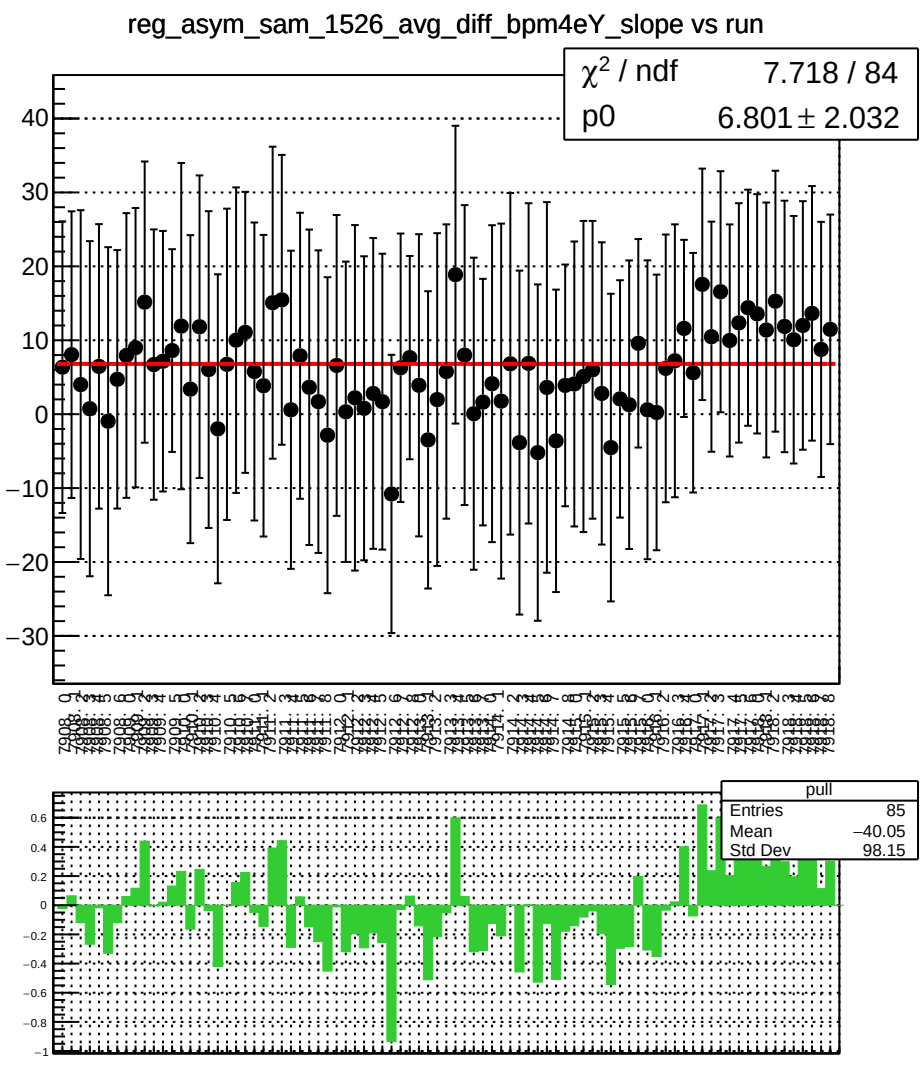

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 88.99 / 84
p0 −51.09 ± 1.728
pull
Entries 85
Mean −88.01
Std Dev 136.7
pull1D
Entries 85
Mean −0.1236
Std Dev 1.016

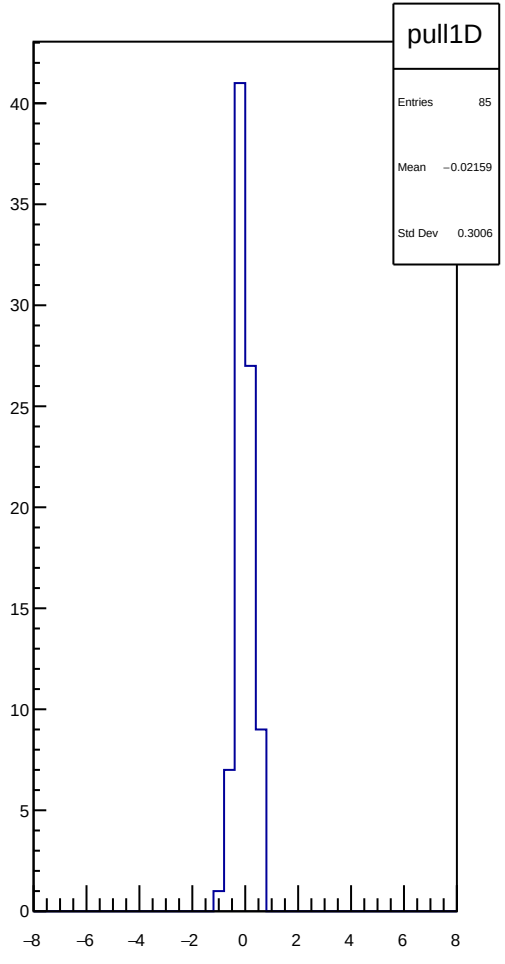

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.59 / 84
p0 7.196 ± 1.748
pull
Entries 85
Mean −86.24
Std Dev 138.6

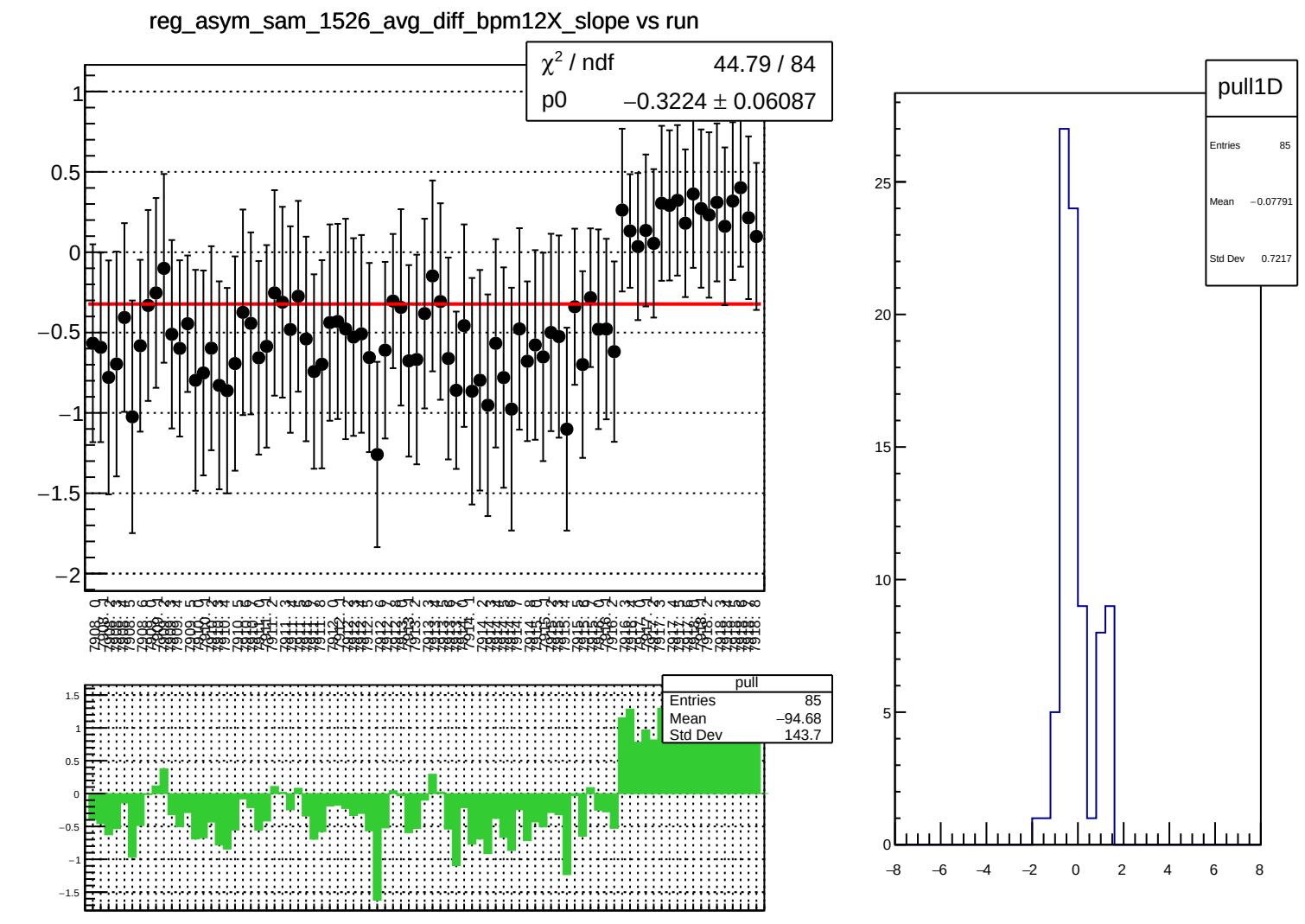

pull1D
Entries 85
Mean 0.02777
Std Dev 0.3519

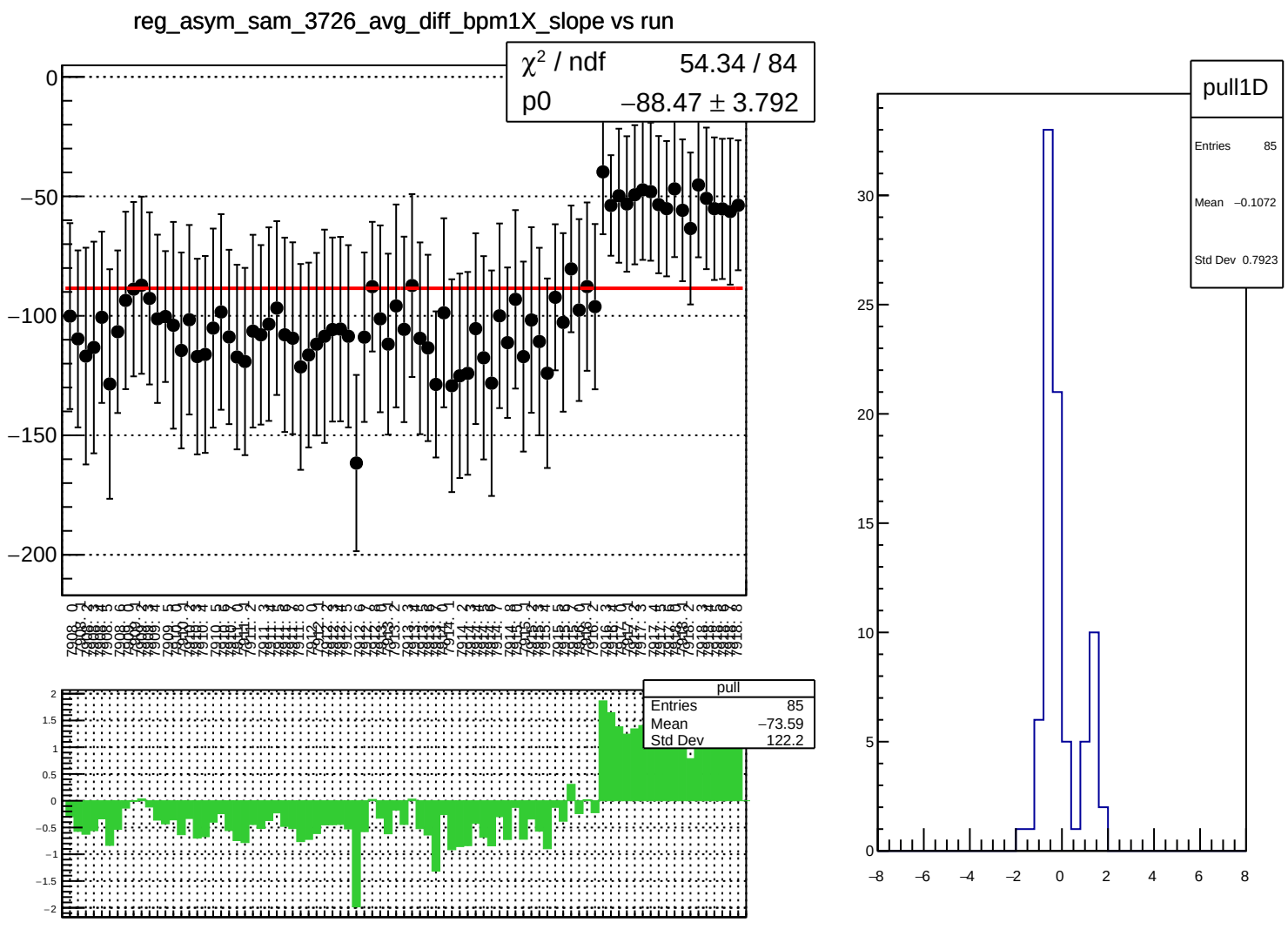

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.18 / 84
p0 8.205 ± 1.473
pull
Entries 85
Mean −124.2
Std Dev 173.6

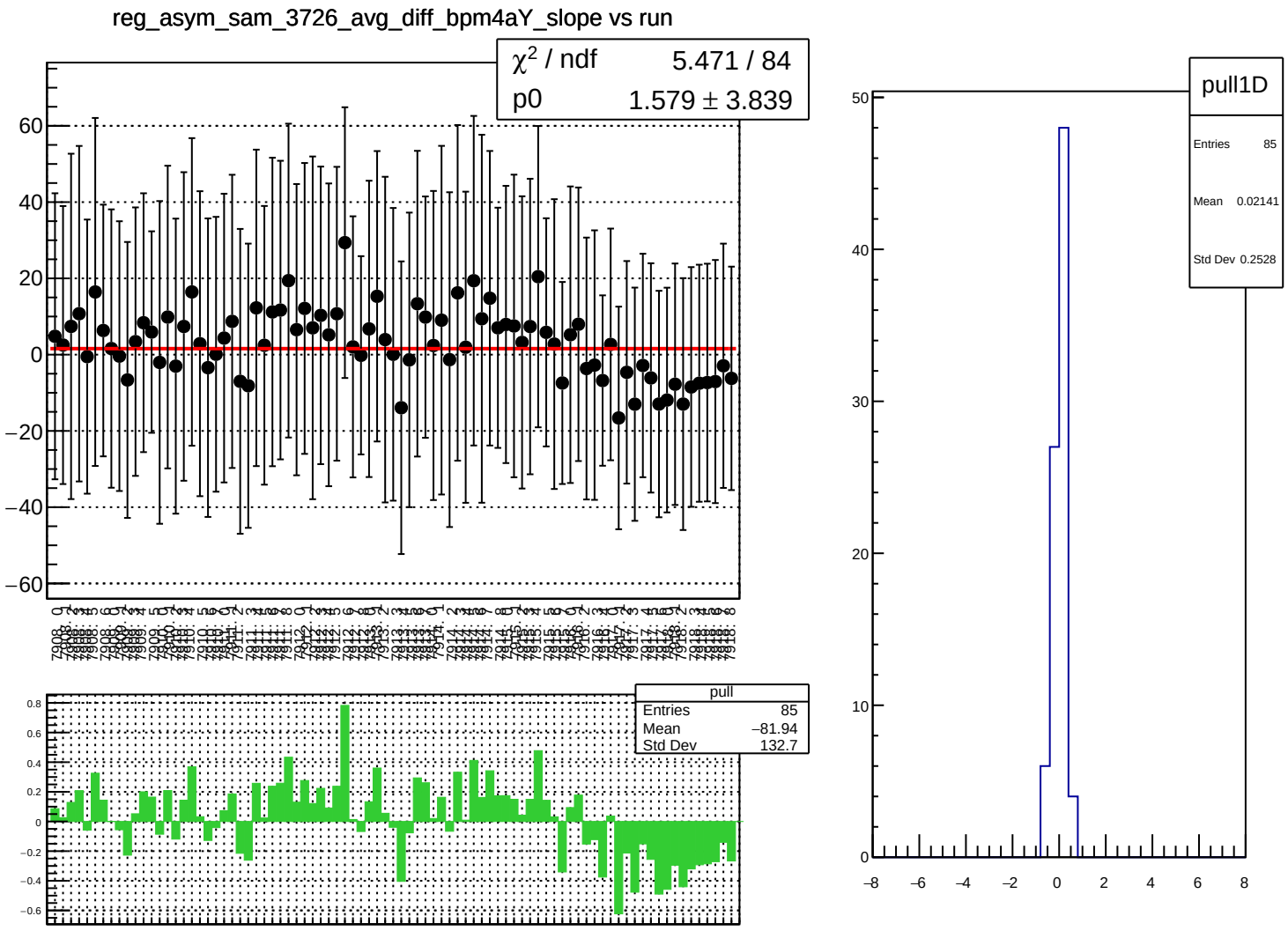

pull1D
Entries 85
Mean 0.09016
Std Dev 0.967

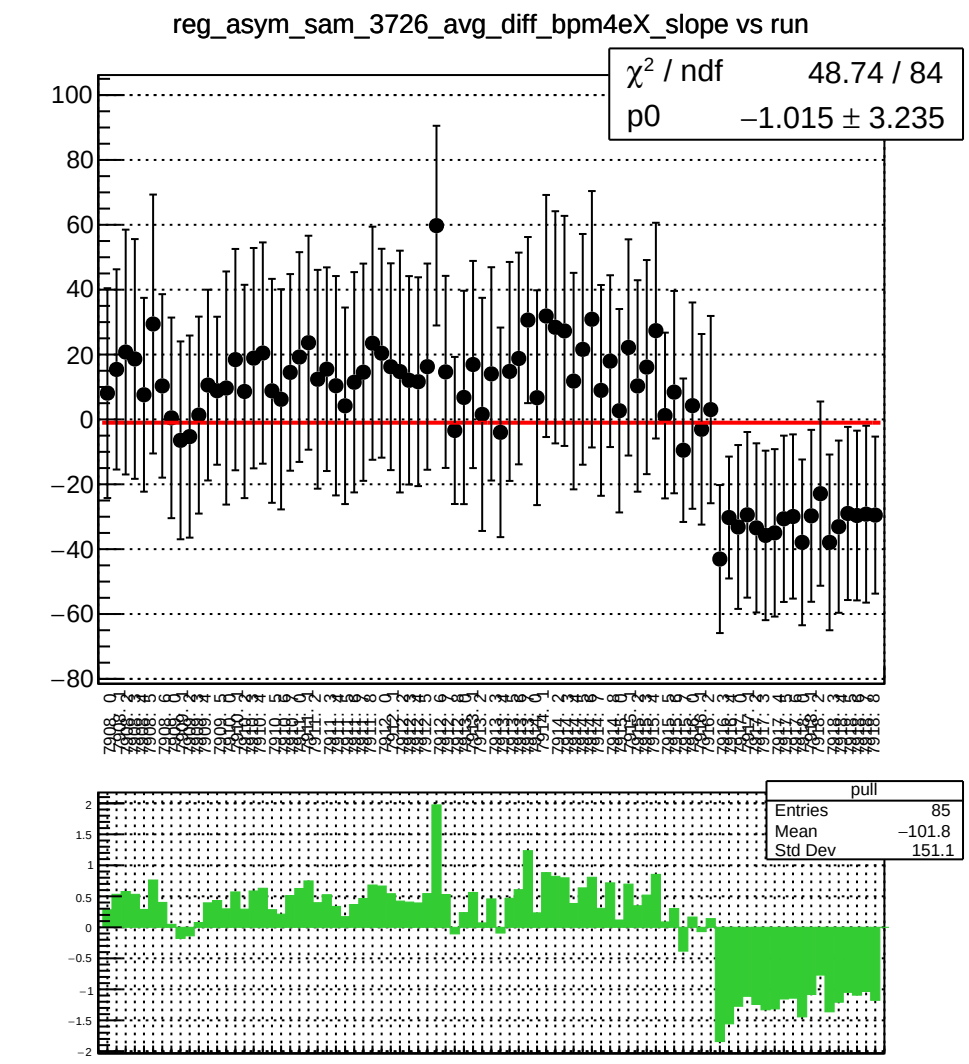

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.718 / 84
p0 6.801 ± 2.032
pull
Entries 85
Mean −40.05
Std Dev 98.15

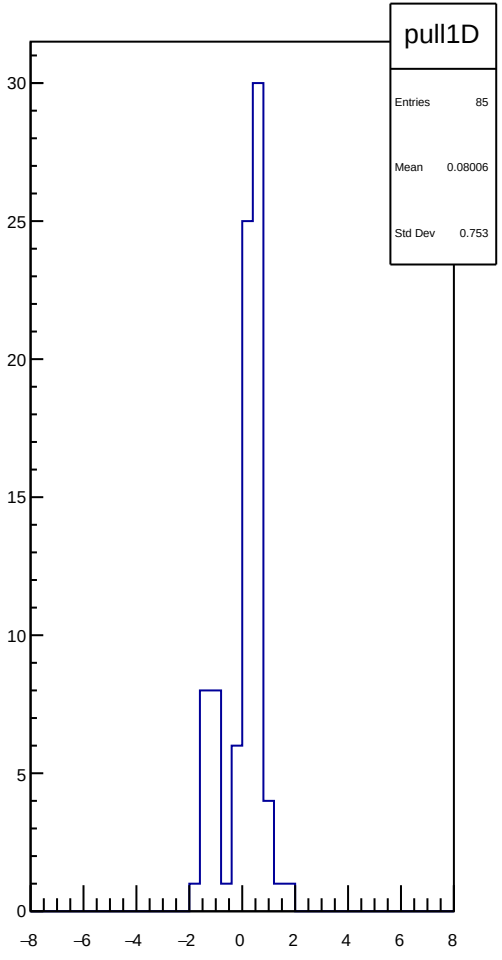

pull1D
Entries 85
Mean −0.02159
Std Dev 0.3006

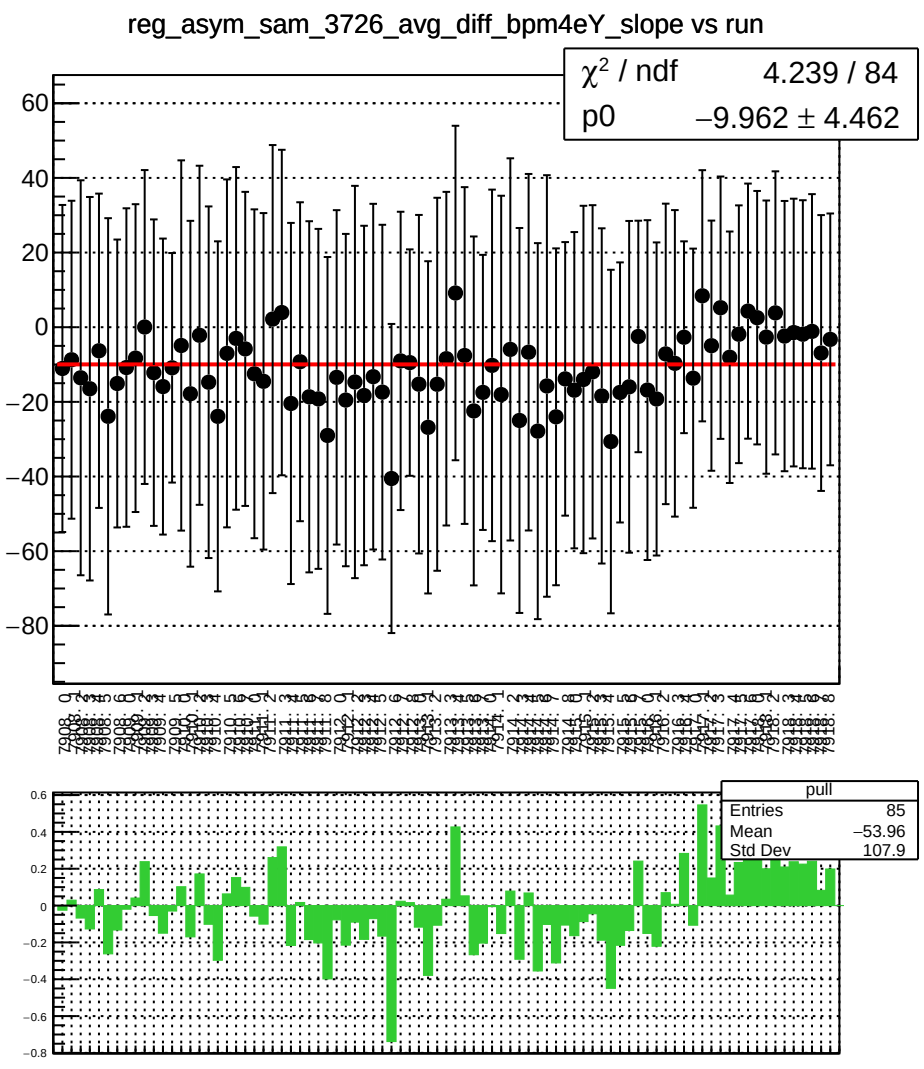

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 44.79 / 84
p0 −0.3224 ± 0.06087
pull
Entries 85
Mean −94.68
Std Dev 143.7
pull1D
Entries 85
Mean −0.07791
Std Dev 0.7217

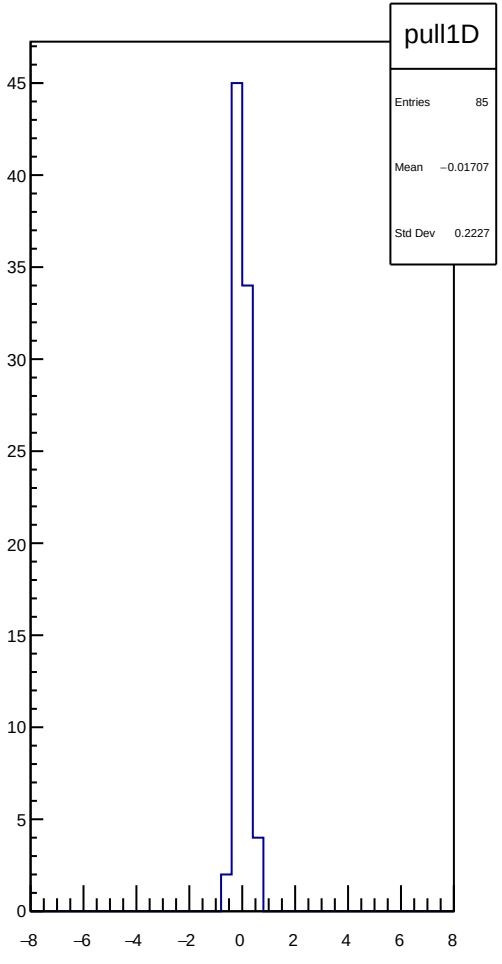

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 54.34 / 84
p0 −88.47 ± 3.792
0
−50
−100
−150
−200
pull
Entries 85
Mean −73.59
Std Dev 122.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.1072
Std Dev 0.7923
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

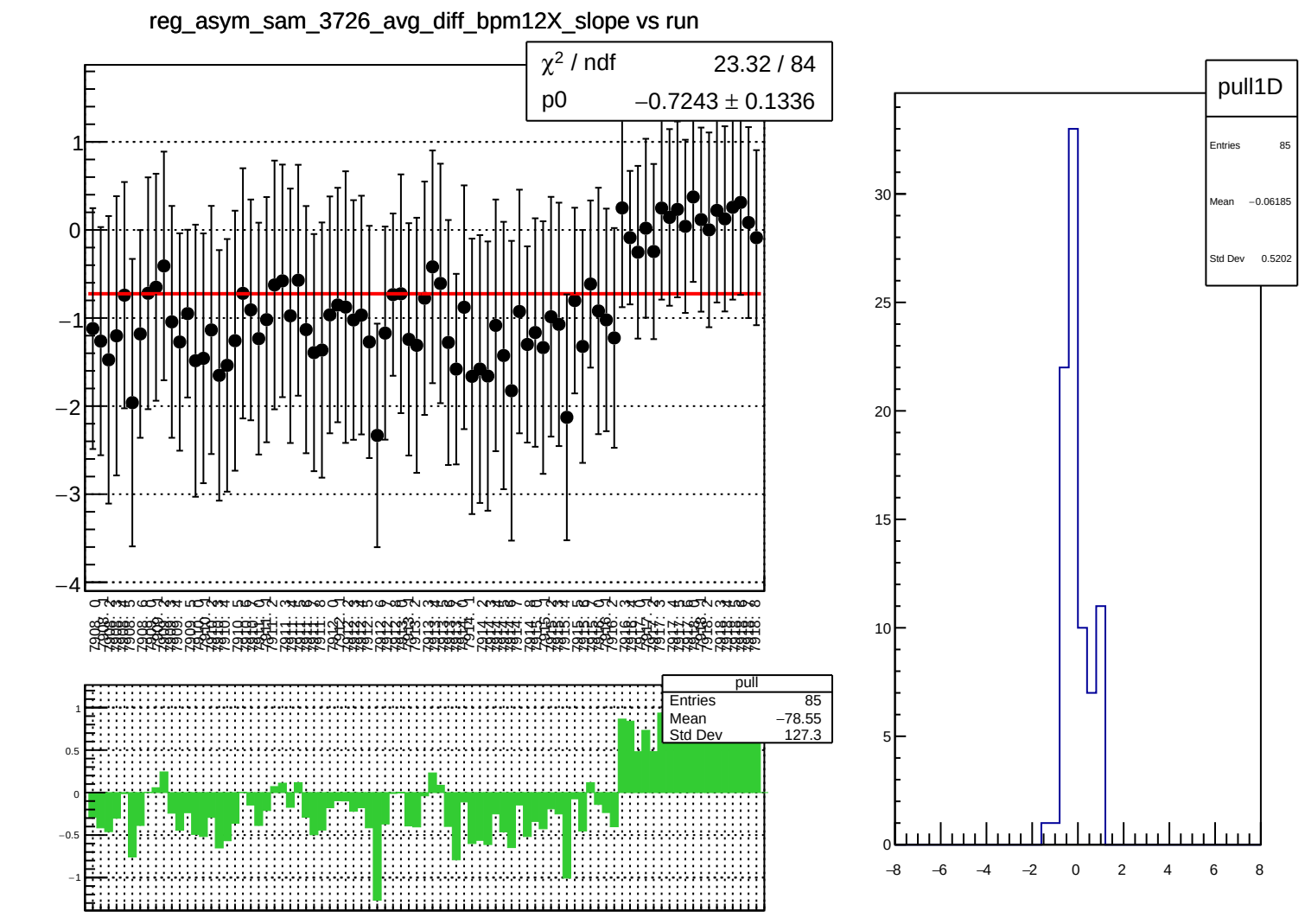

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.471 / 84
p0 1.579 ± 3.839
pull
Entries 85
Mean −81.94
Std Dev 132.7
pull1D
Entries 85
Mean 0.02141
Std Dev 0.2528

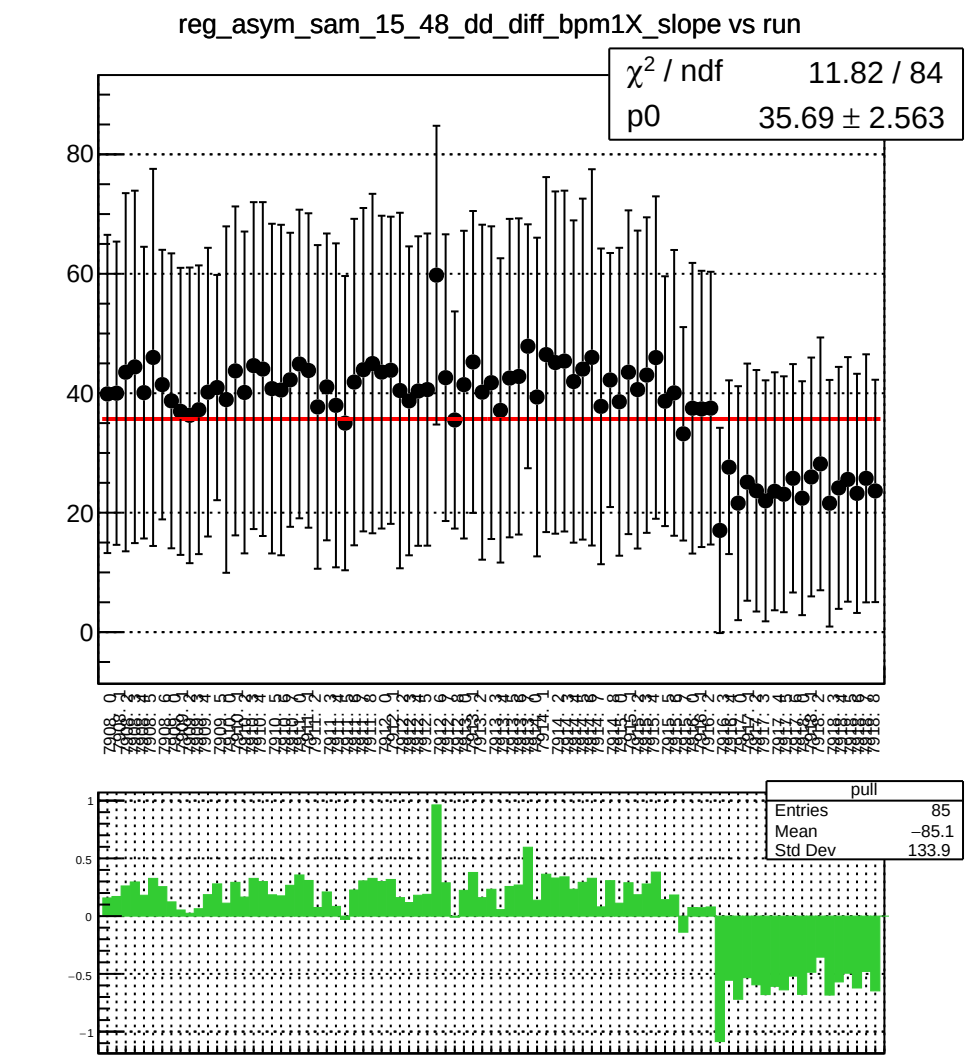

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.74 / 84
p0 −1.015 ± 3.235
pull
Entries 85
Mean −101.8
Std Dev 151.1

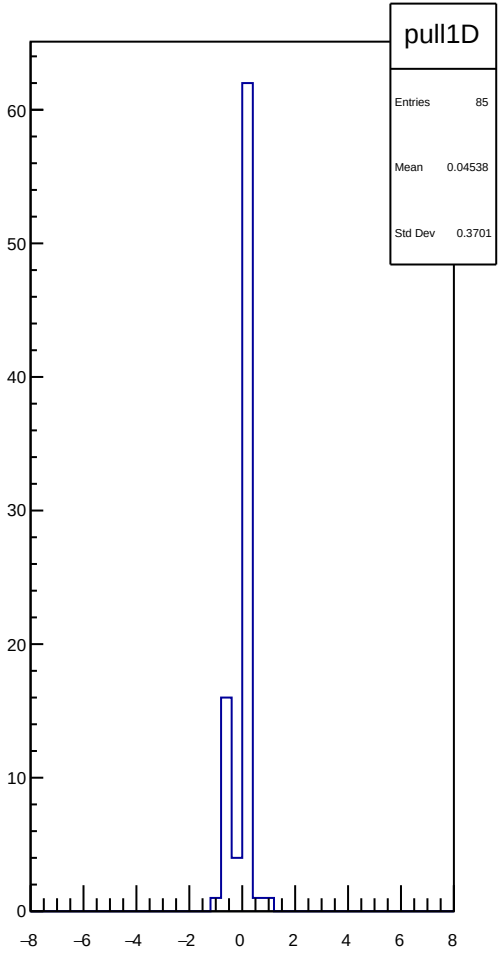

pull1D
Entries 85
Mean 0.08006
Std Dev 0.753

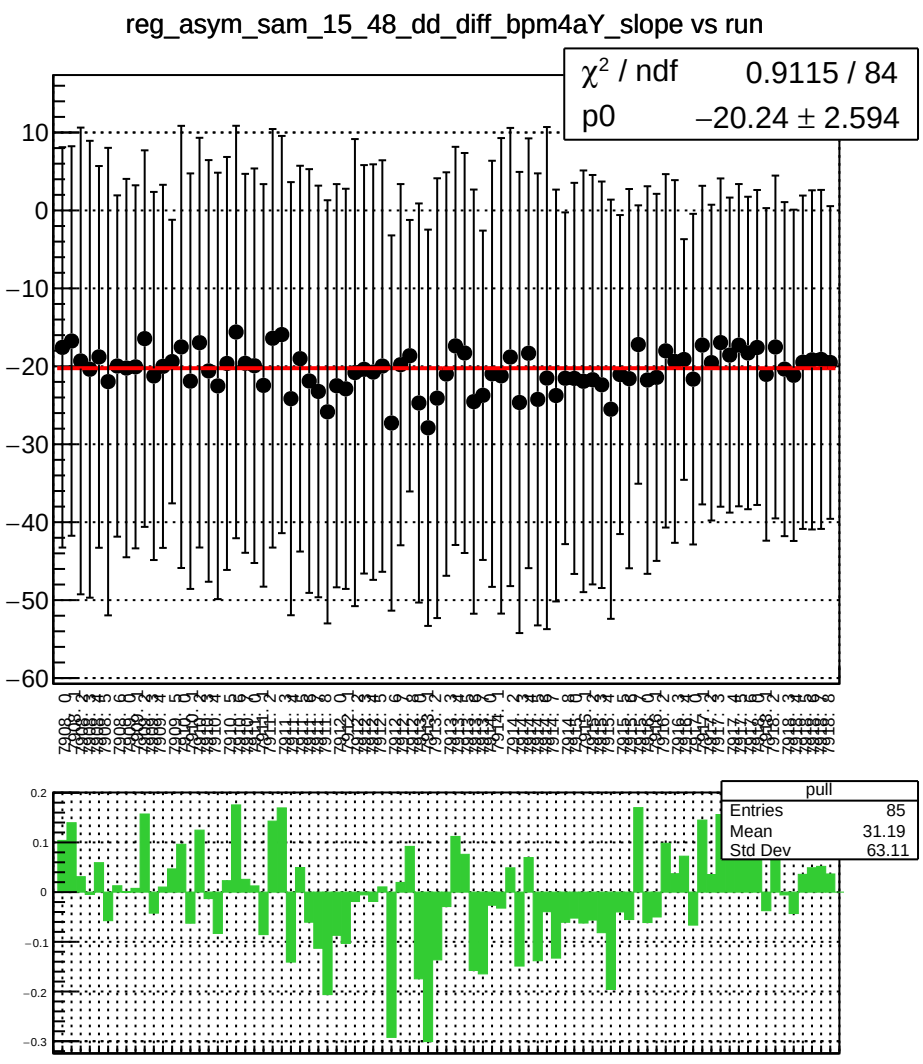

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.239 / 84
p0 −9.962 ± 4.462
pull
Entries 85
Mean −53.96
Std Dev 107.9

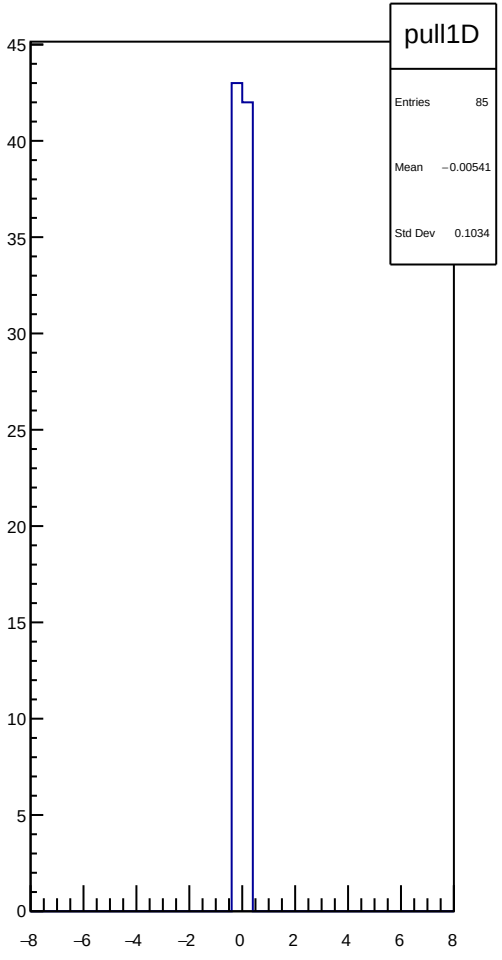

pull1D
Entries 85
Mean −0.01707
Std Dev 0.2227

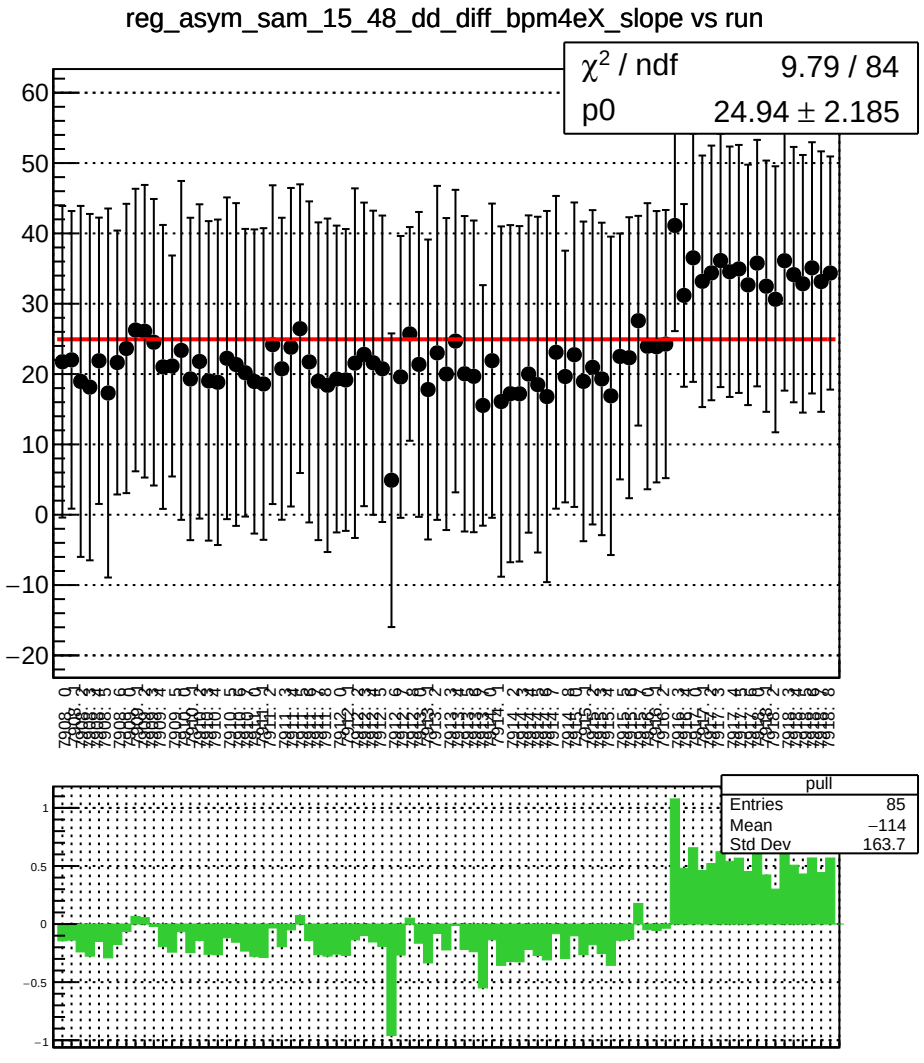

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 23.32 / 84
p0 −0.7243 ± 0.1336
pull
Entries 85
Mean −78.55
Std Dev 127.3
pull1D
Entries 85
Mean −0.06185
Std Dev 0.5202

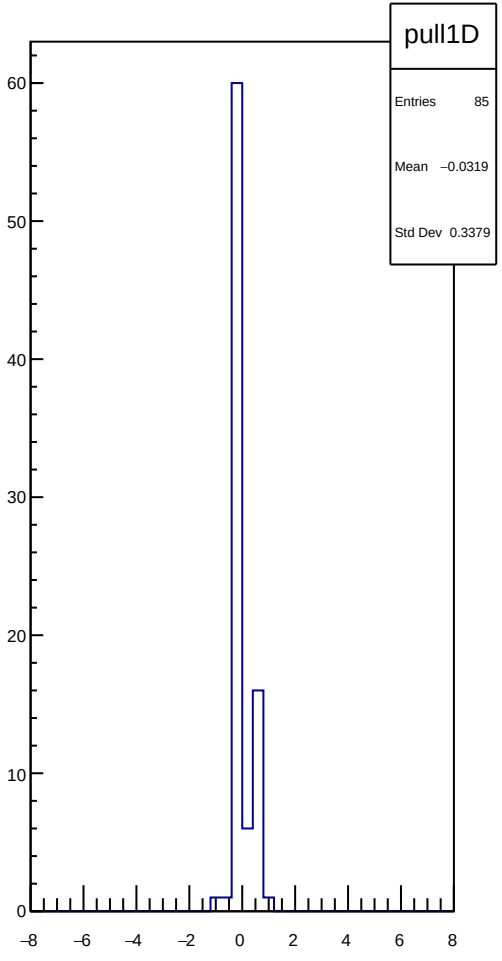

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.82 / 84
p0 35.69 ± 2.563
pull
Entries 85
Mean −85.1
Std Dev 133.9

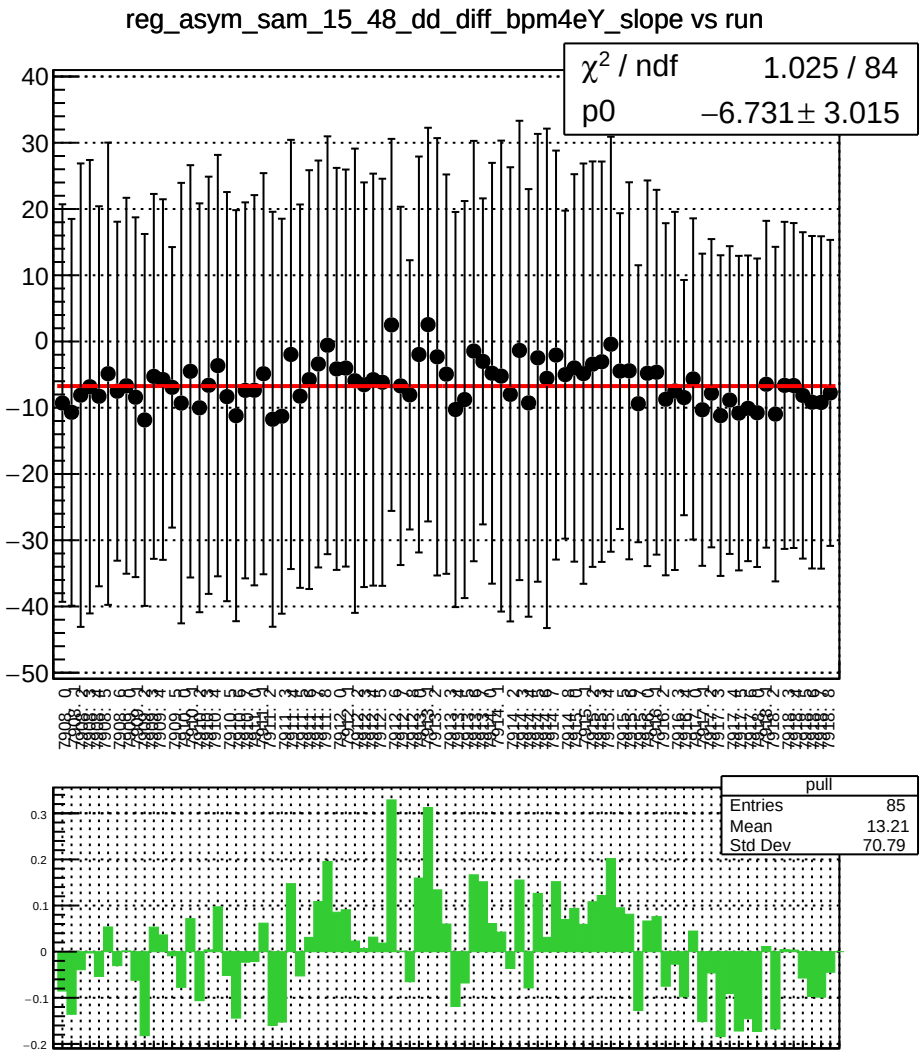

pull1D
Entries 85
Mean 0.04538
Std Dev 0.3701

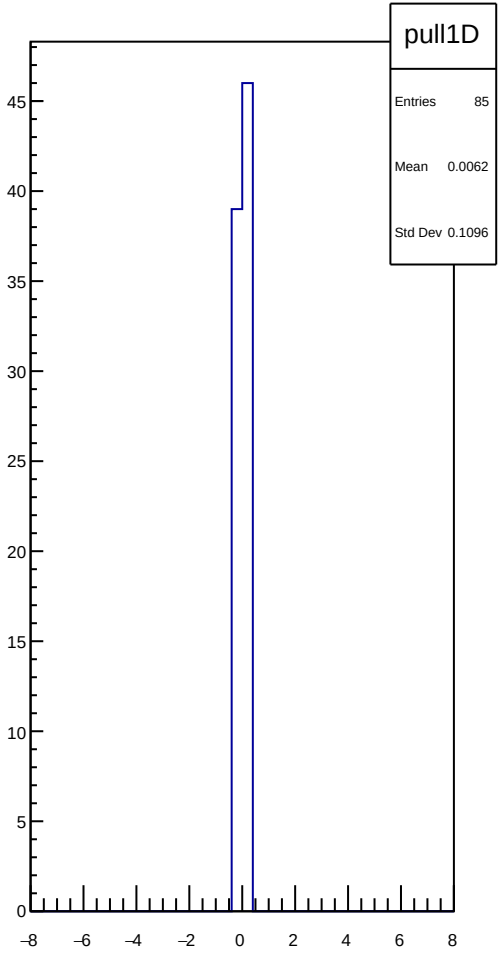

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9115 / 84
p0 −20.24 ± 2.594
pull
Entries 85
Mean 31.19
Std Dev 63.11

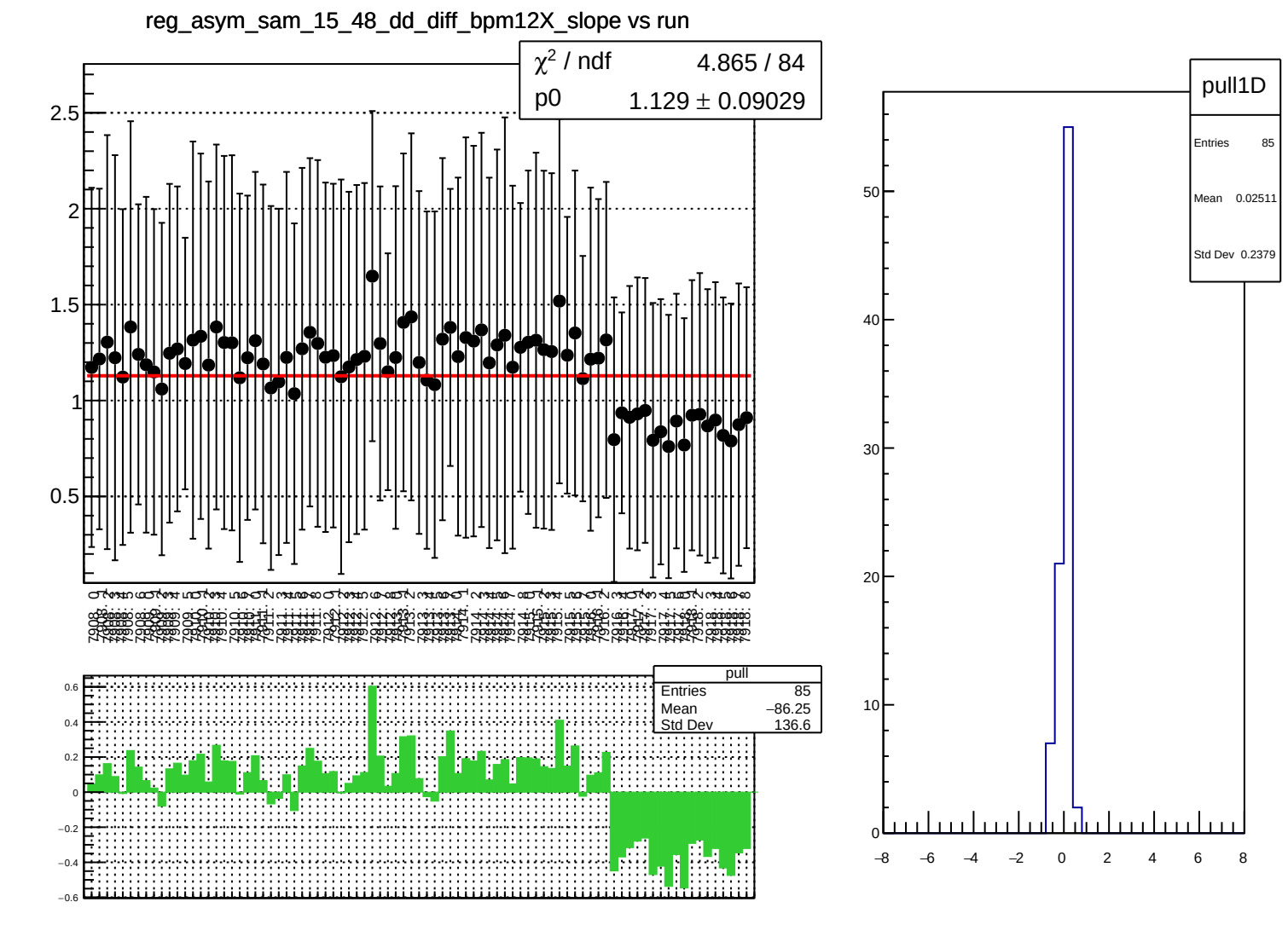

pull1D
Entries 85
Mean −0.00541
Std Dev 0.1034

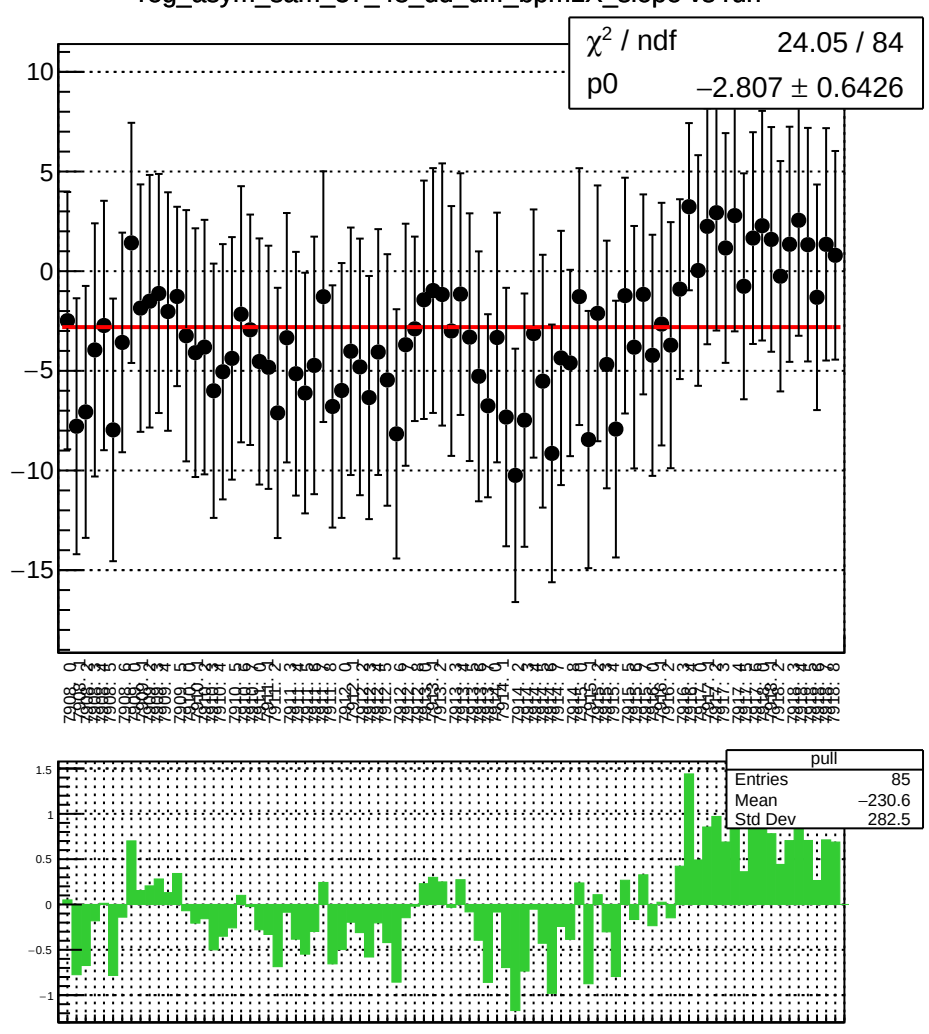

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.79 / 84
p0 24.94 ± 2.185
pull
Entries 85
Mean −114
Std Dev 163.7

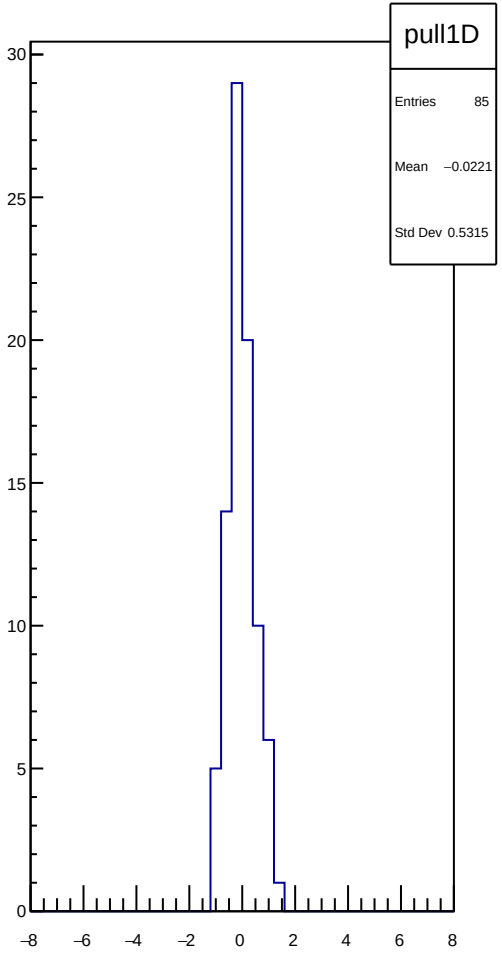

pull1D
Entries 85
Mean −0.0319
Std Dev 0.3379

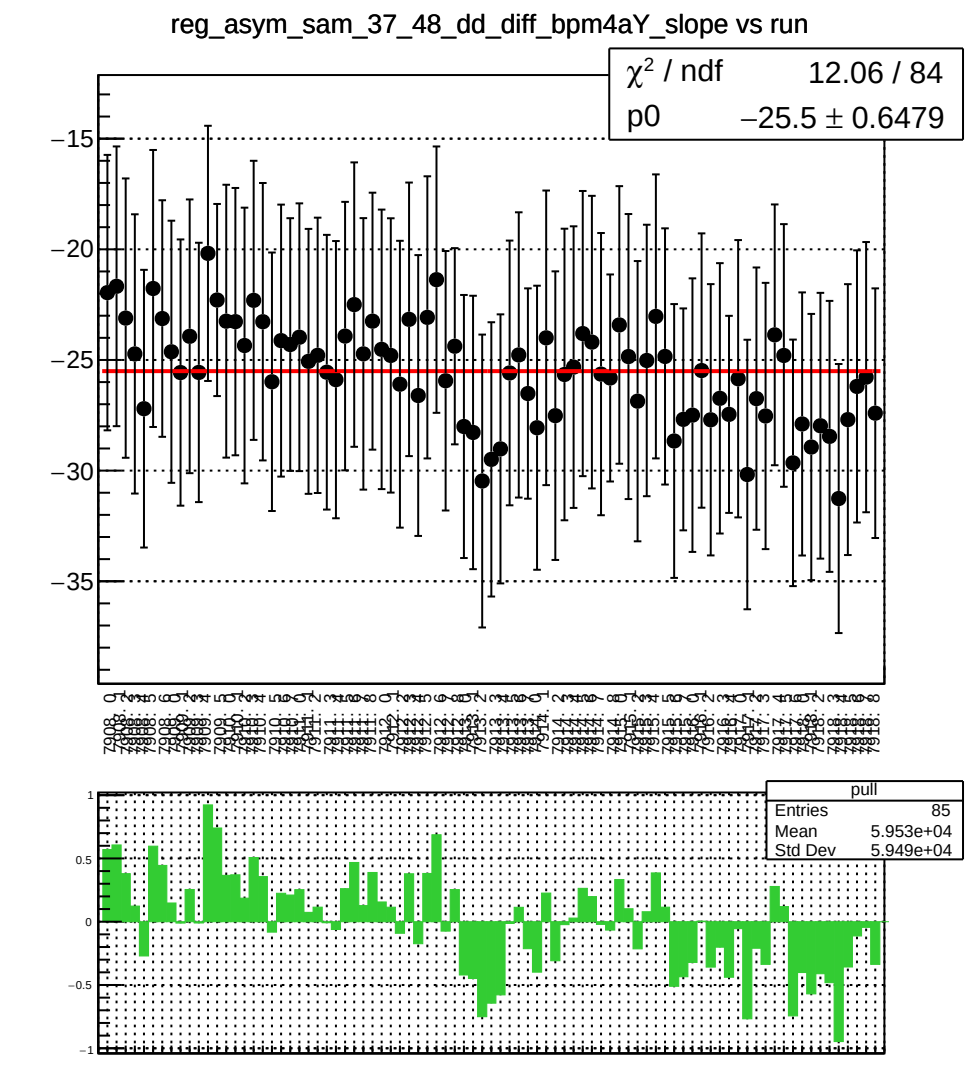

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.025 / 84
p0 −6.731 ± 3.015
pull
Entries 85
Mean 13.21
Std Dev 70.79

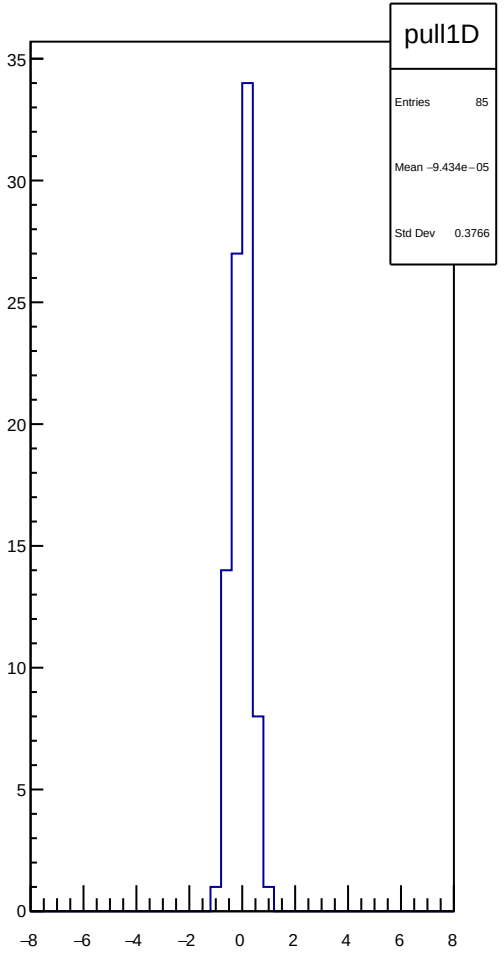

pull1D
Entries 85
Mean 0.0062
Std Dev 0.1096

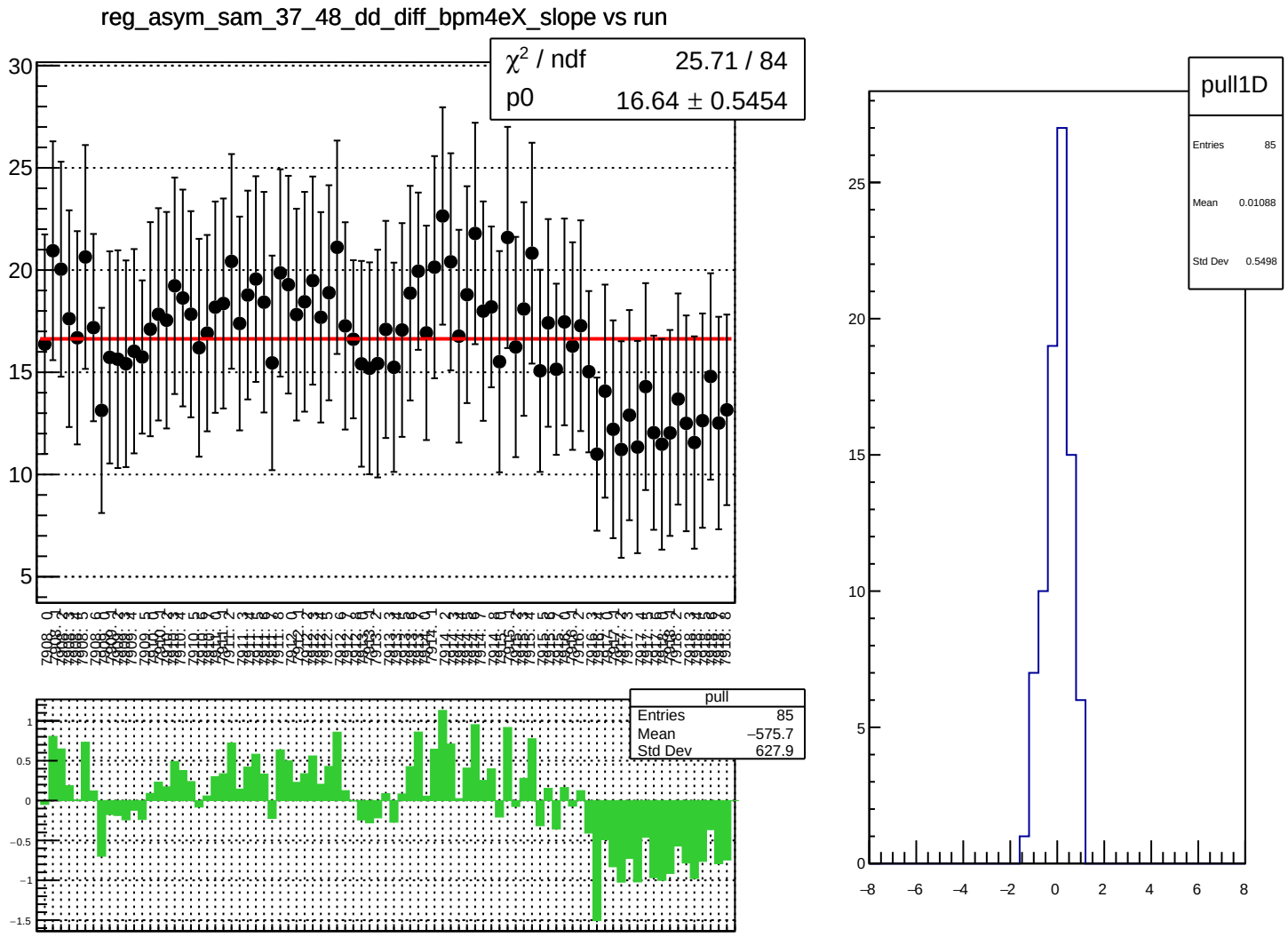

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.865 / 84
p0 1.129 ± 0.09029
pull
Entries 85
Mean −86.25
Std Dev 136.6
pull1D
Entries 85
Mean 0.02511
Std Dev 0.2379

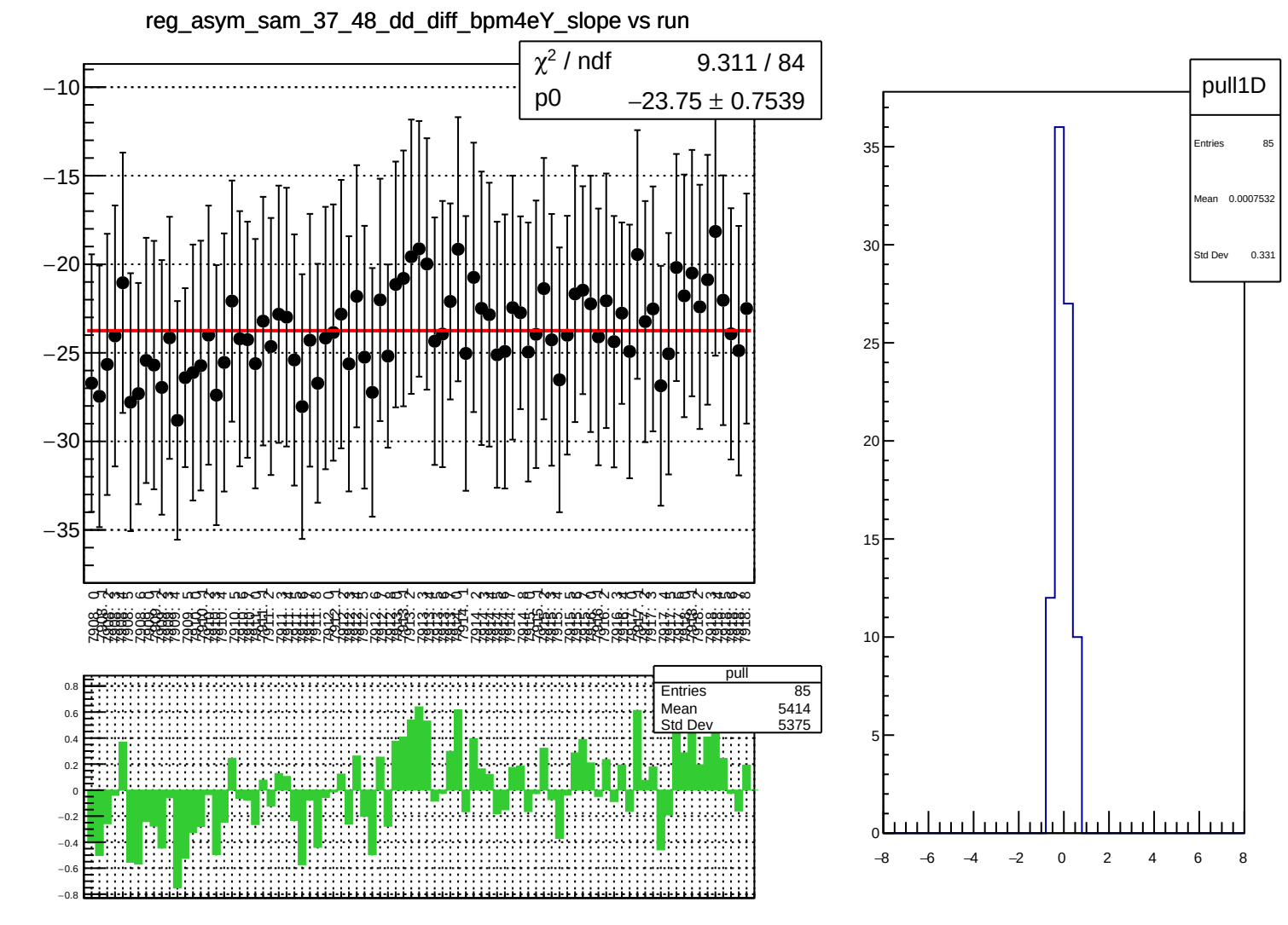

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 24.05 / 84
p0 −2.807 ± 0.6426
pull
Entries 85
Mean −230.6
Std Dev 282.5

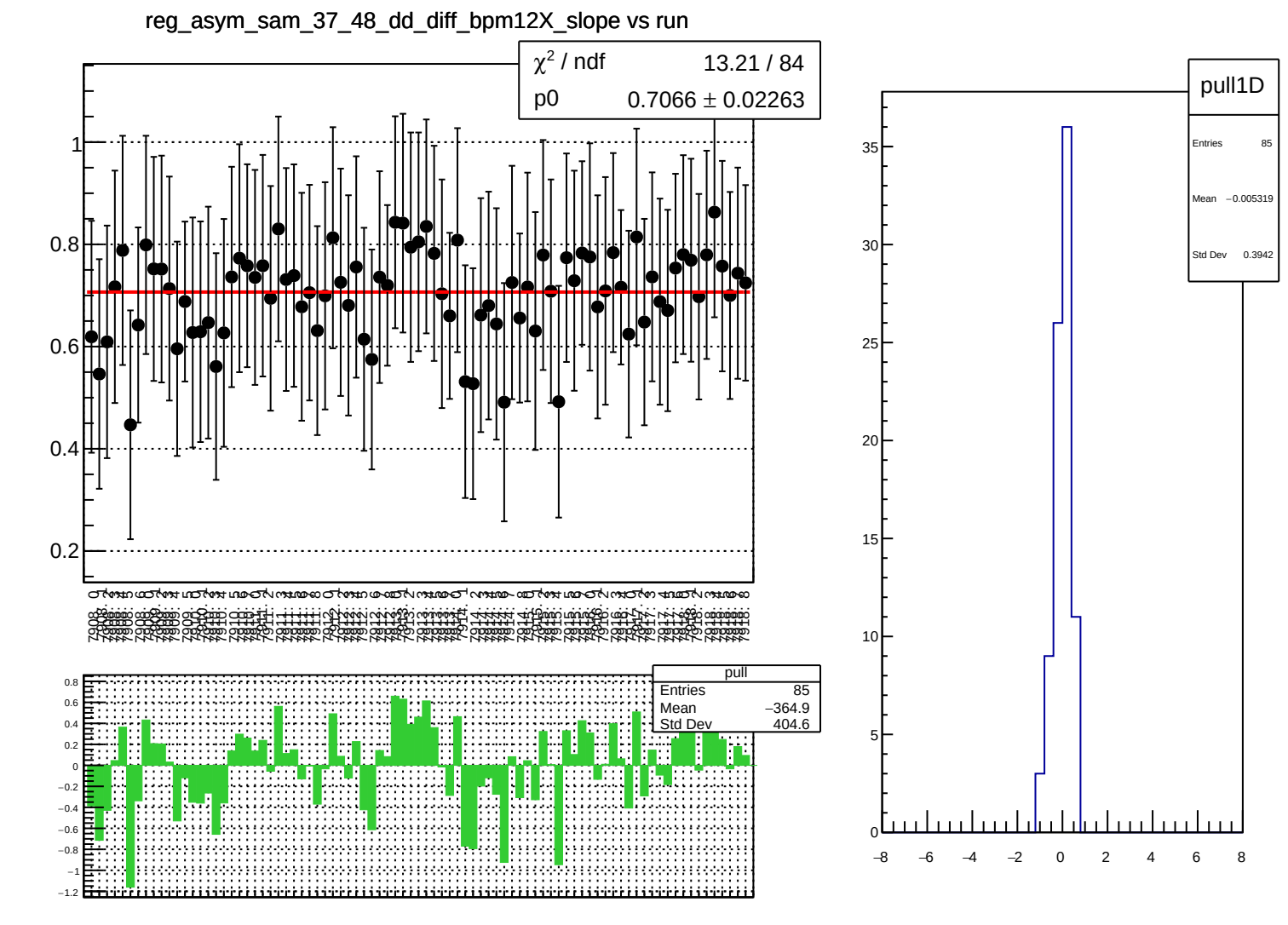

pull1D
Entries 85
Mean −0.0221
Std Dev 0.5315

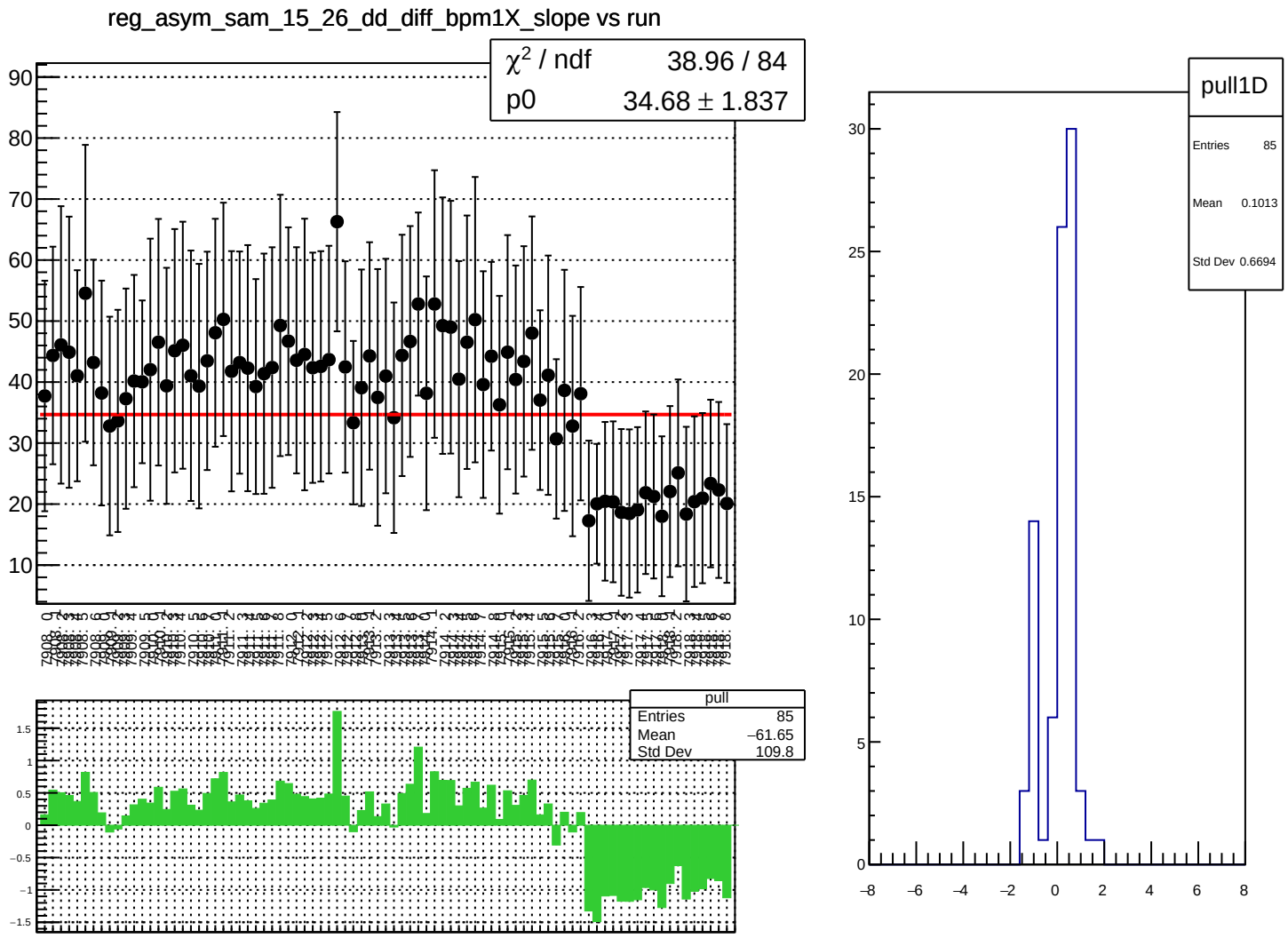

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.06 / 84
p0 −25.5 ± 0.6479
pull
Entries 85
Mean 5.953e+04
Std Dev 5.949e+04

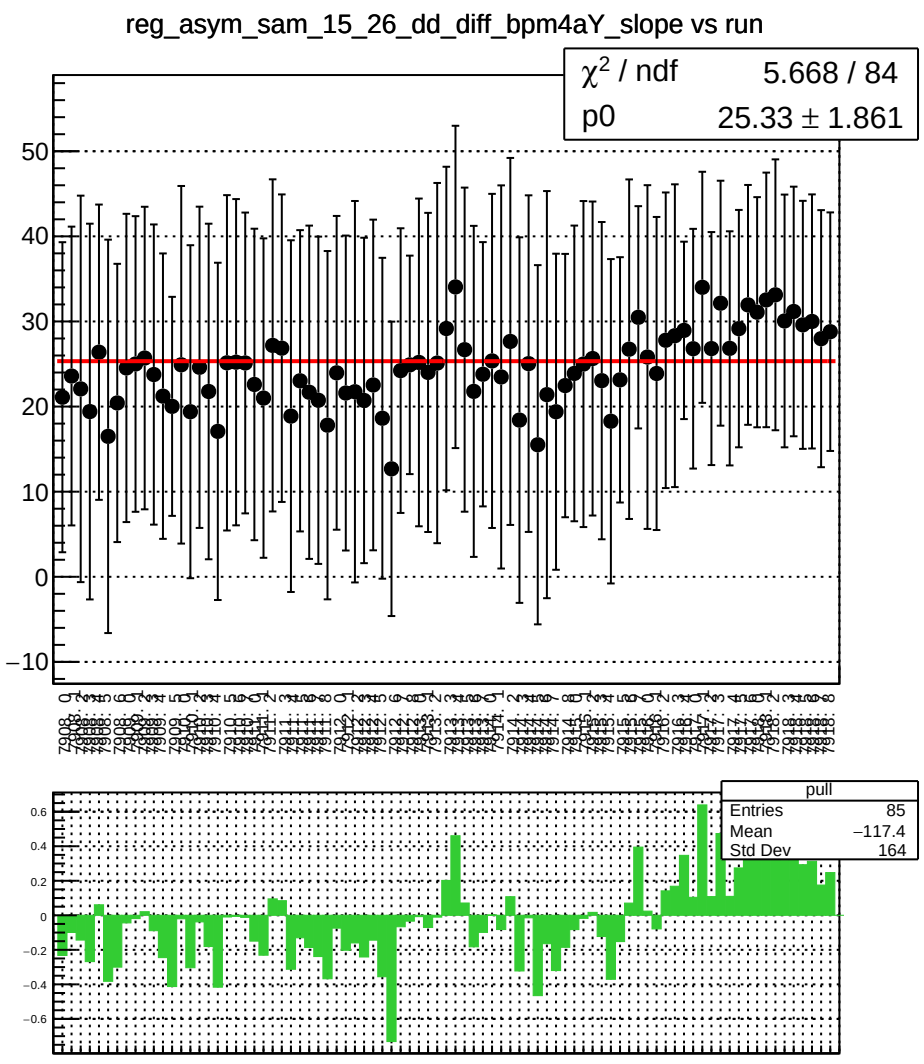

pull1D
Entries 85
Mean −9.434e−05
Std Dev 0.3766

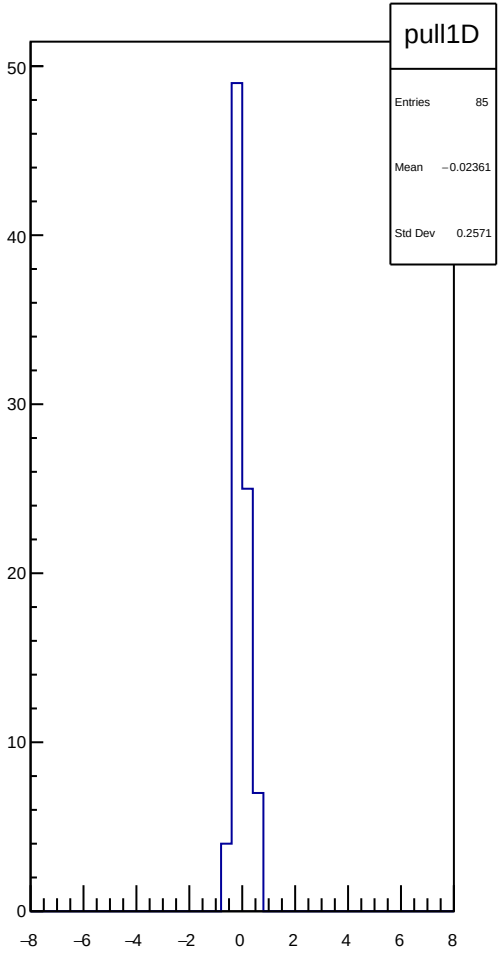

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.71 / 84
p0 16.64 ± 0.5454
pull
Entries 85
Mean −575.7
Std Dev 627.9
pull1D
Entries 85
Mean 0.01088
Std Dev 0.5498

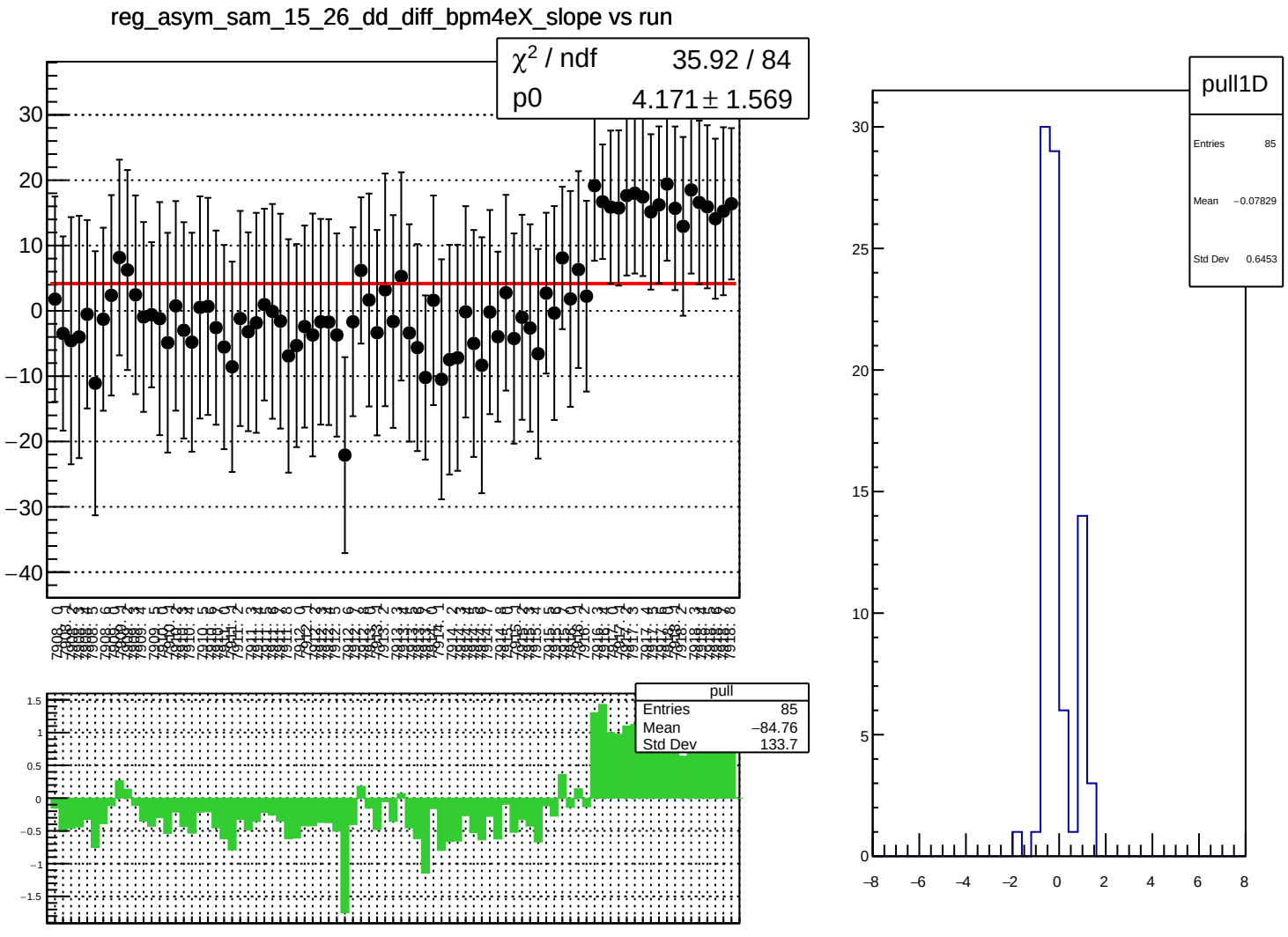

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.311 / 84
p0 −23.75 ± 0.7539
pull
Entries 85
Mean 5414
Std Dev 5375
pull1D
Entries 85
Mean 0.0007532
Std Dev 0.331

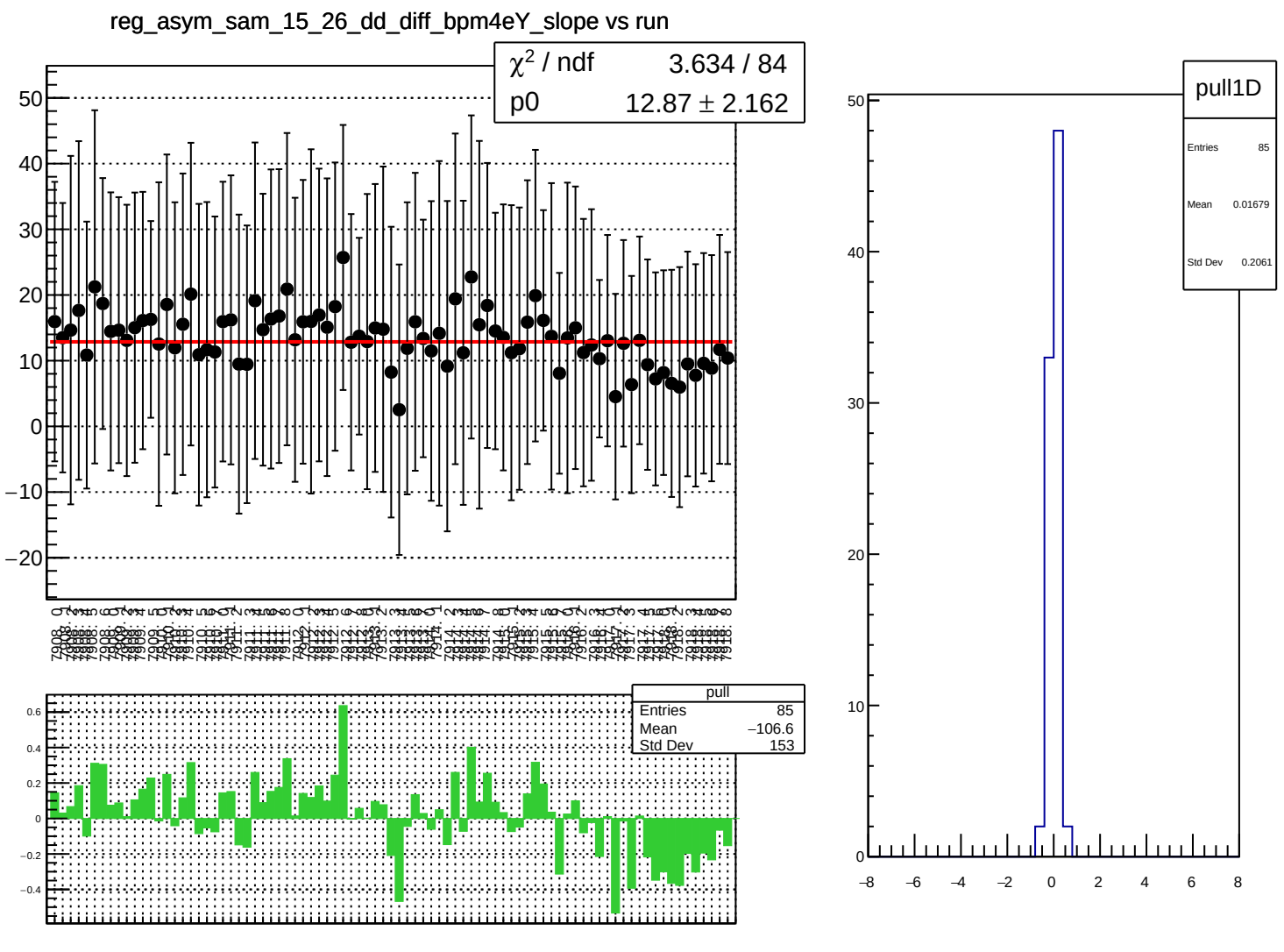

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 84
p0 0.7066 ± 0.02263
pull
Entries 85
Mean −364.9
Std Dev 404.6
pull1D
Entries 85
Mean −0.005319
Std Dev 0.3942

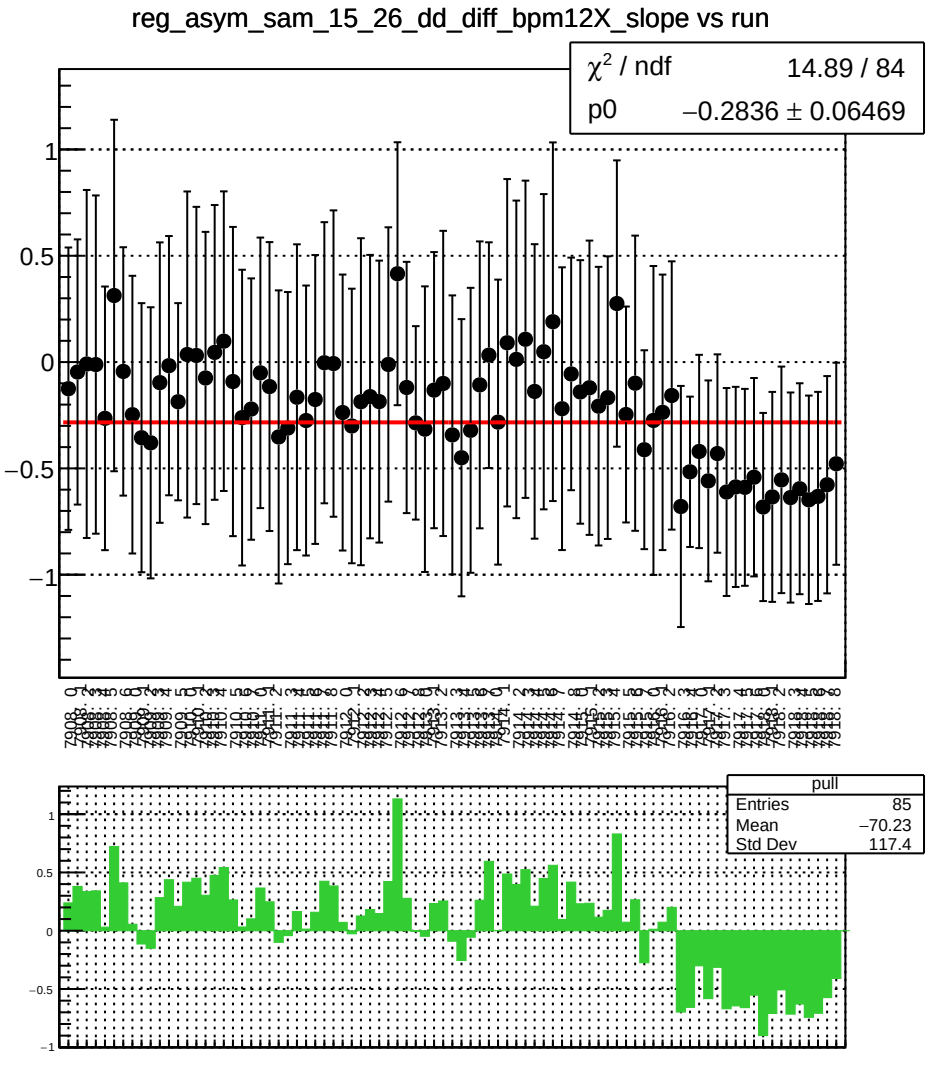

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 38.96 / 84
p0 34.68 ± 1.837
pull
Entries 85
Mean −61.65
Std Dev 109.8
pull1D
Entries 85
Mean 0.1013
Std Dev 0.6694

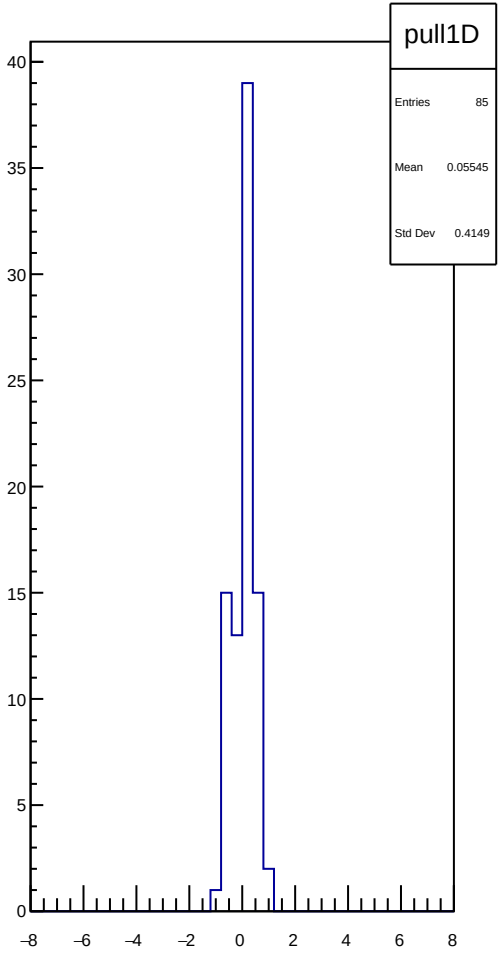

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.668 / 84
p0 25.33 ± 1.861
pull
Entries 85
Mean −117.4
Std Dev 164

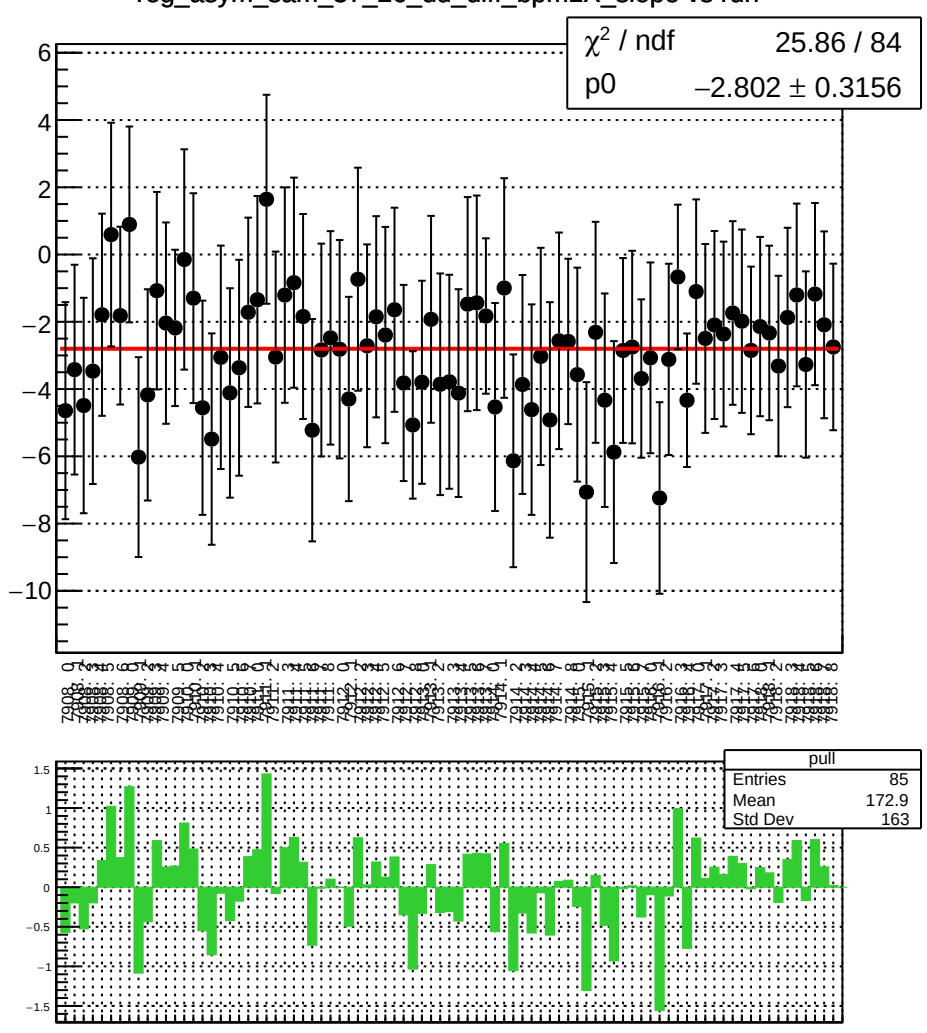

pull1D
Entries 85
Mean −0.02361
Std Dev 0.2571

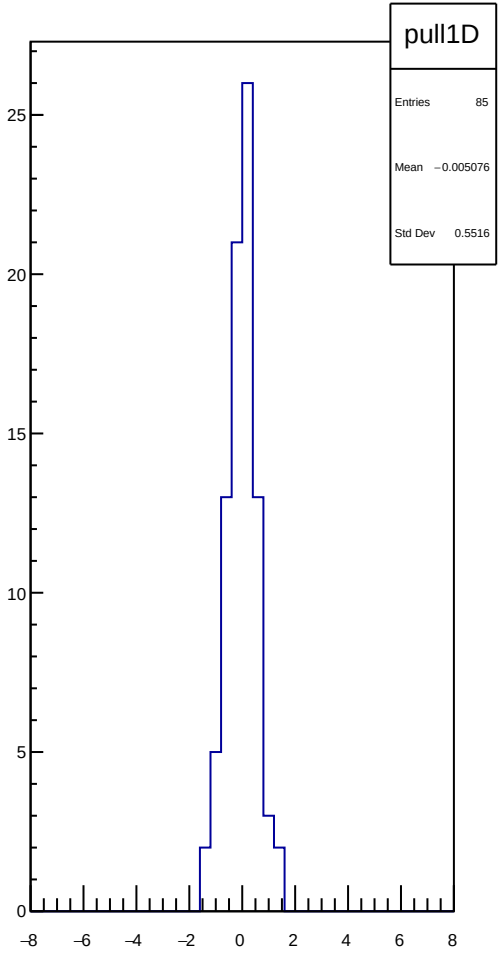

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.92 / 84
p0 4.171 ± 1.569
pull
Entries 85
Mean −84.76
Std Dev 133.7
pull1D
Entries 85
Mean −0.07829
Std Dev 0.6453

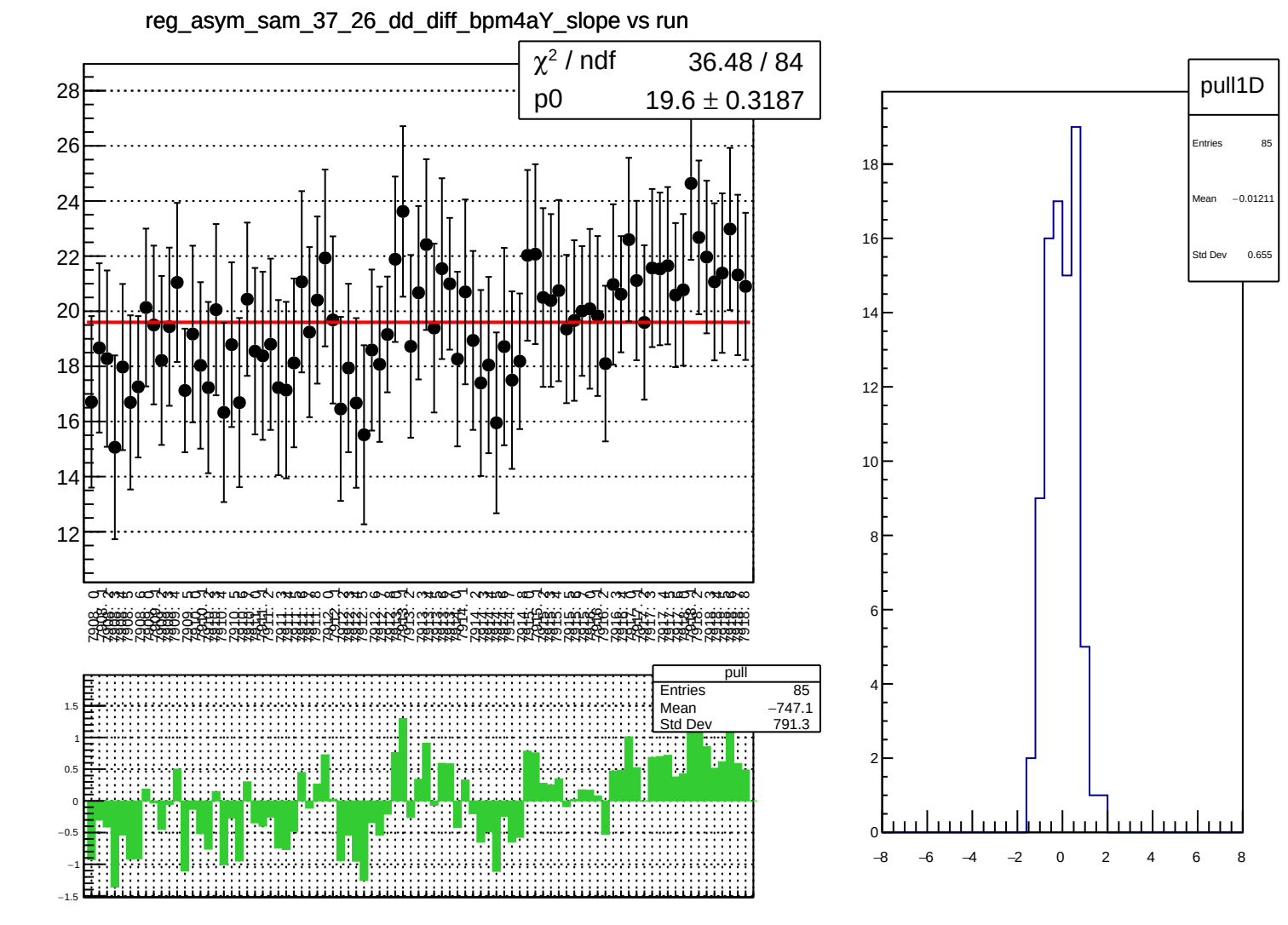

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.634 / 84
p0 12.87 ± 2.162
pull
Entries 85
Mean −106.6
Std Dev 153
pull1D
Entries 85
Mean 0.01679
Std Dev 0.2061

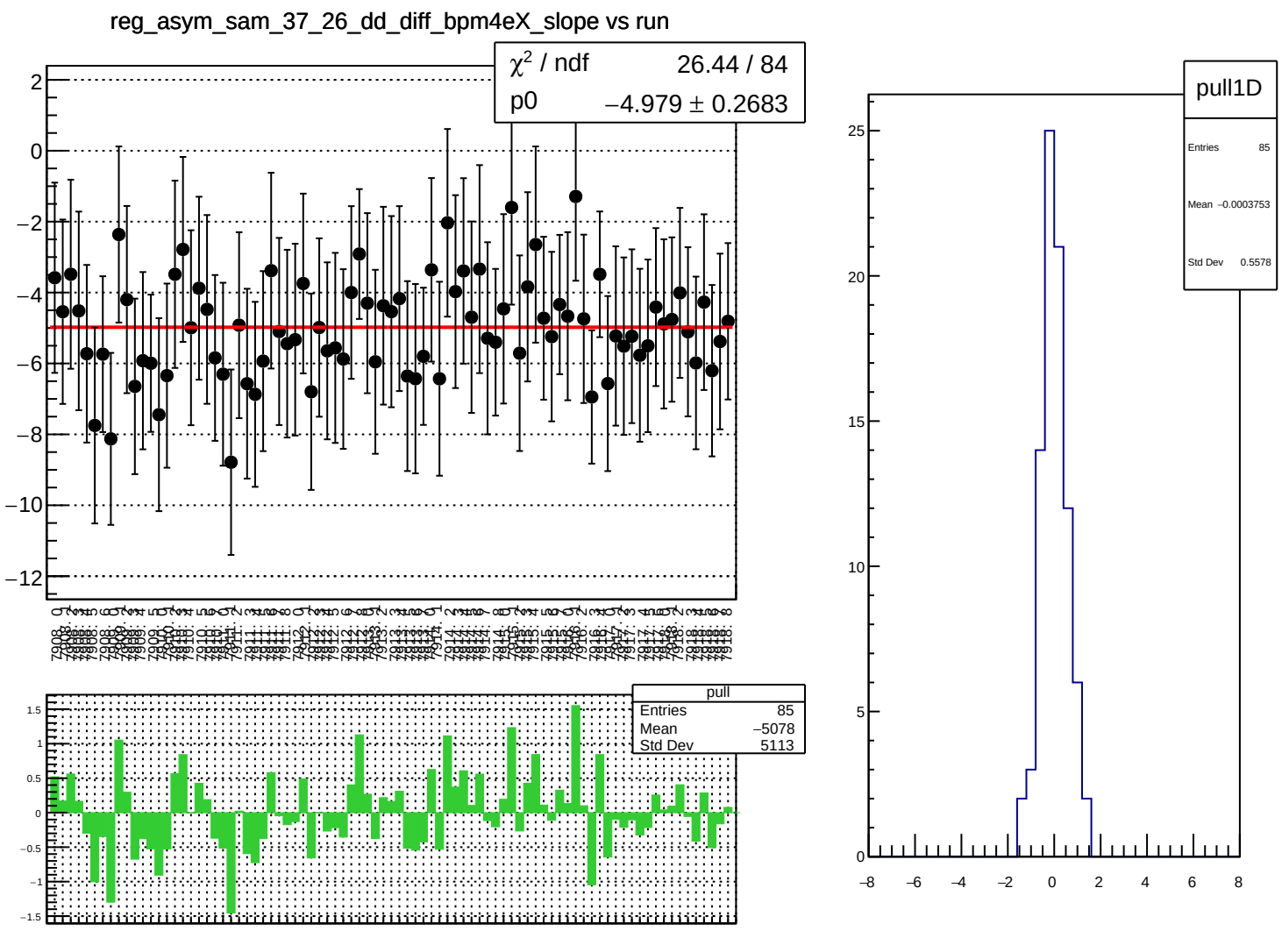

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.89 / 84
p0 −0.2836 ± 0.06469
pull
Entries 85
Mean −70.23
Std Dev 117.4

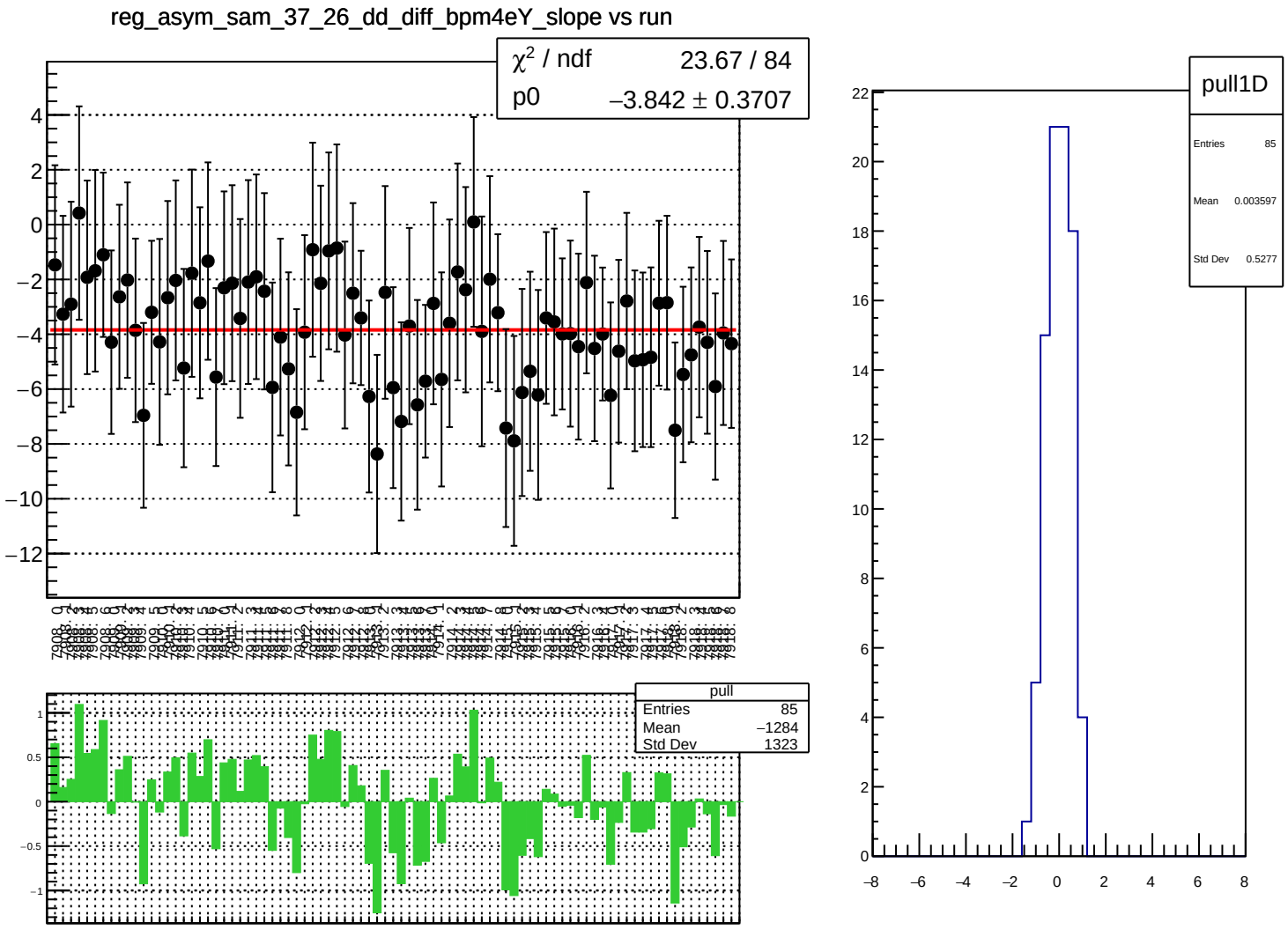

pull1D
Entries 85
Mean 0.05545
Std Dev 0.4149

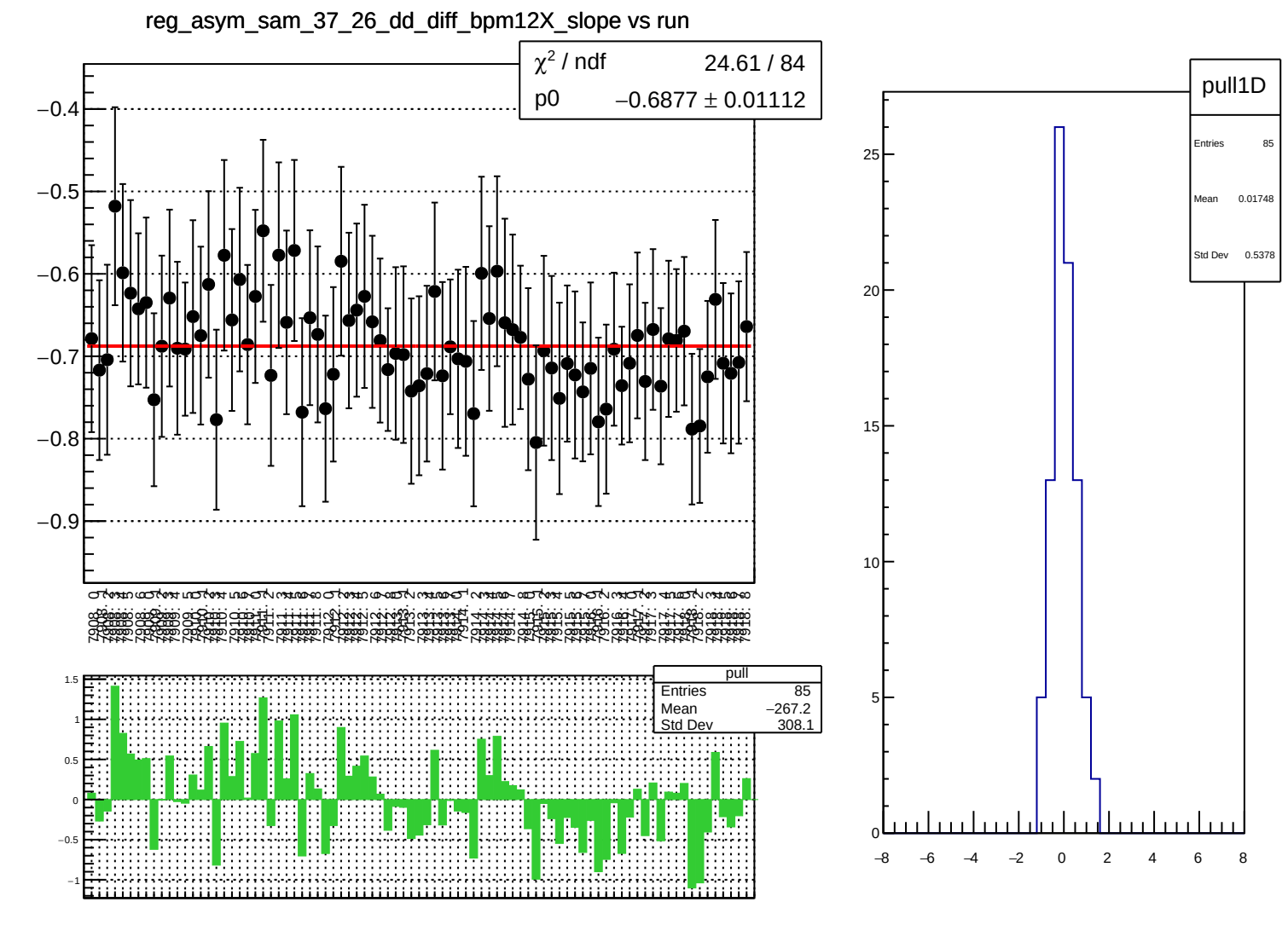

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 25.86 / 84
p0 −2.802 ± 0.3156
pull
Entries 85
Mean 172.9
Std Dev 163

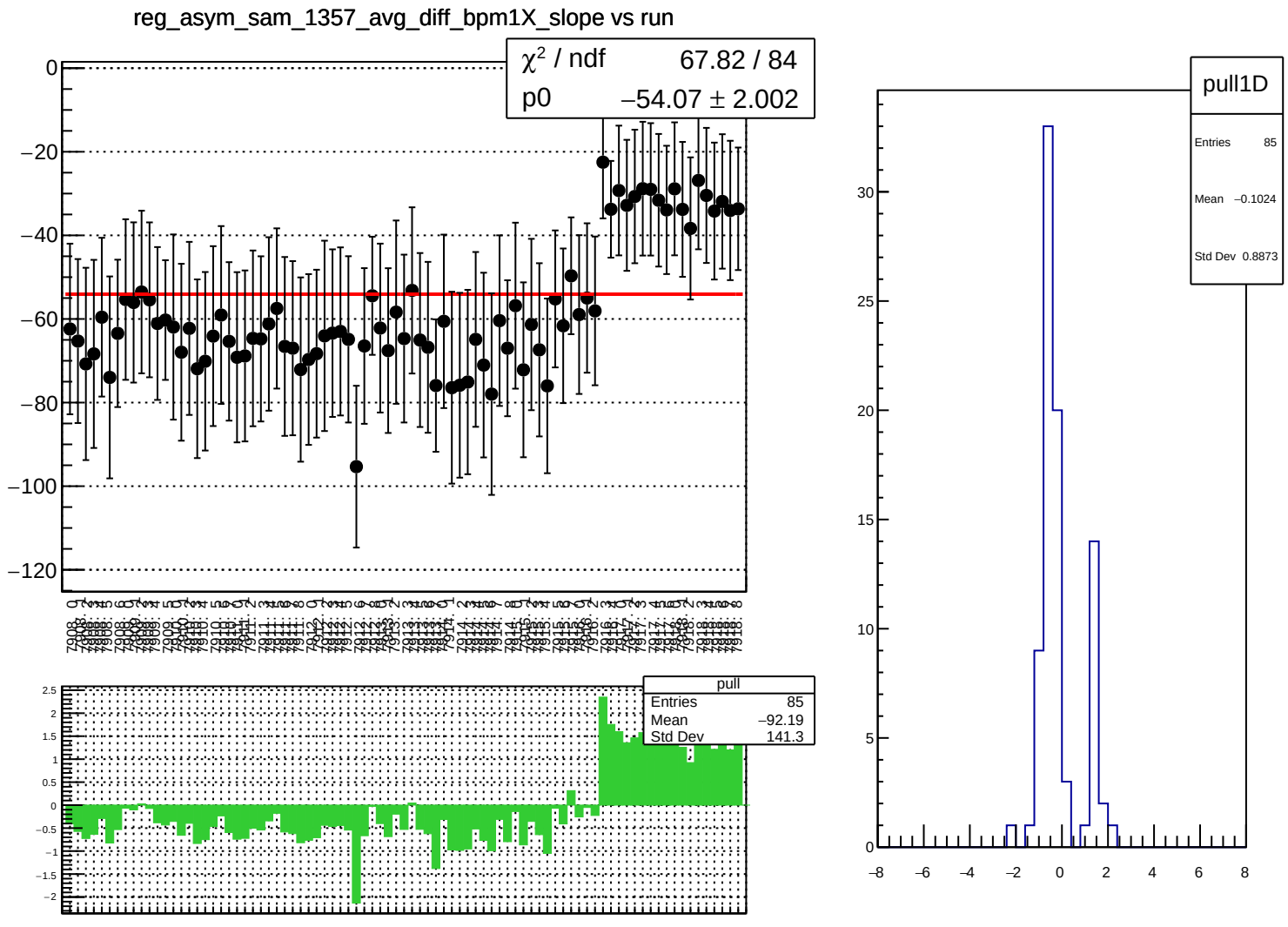

pull1D
Entries 85
Mean −0.005076
Std Dev 0.5516

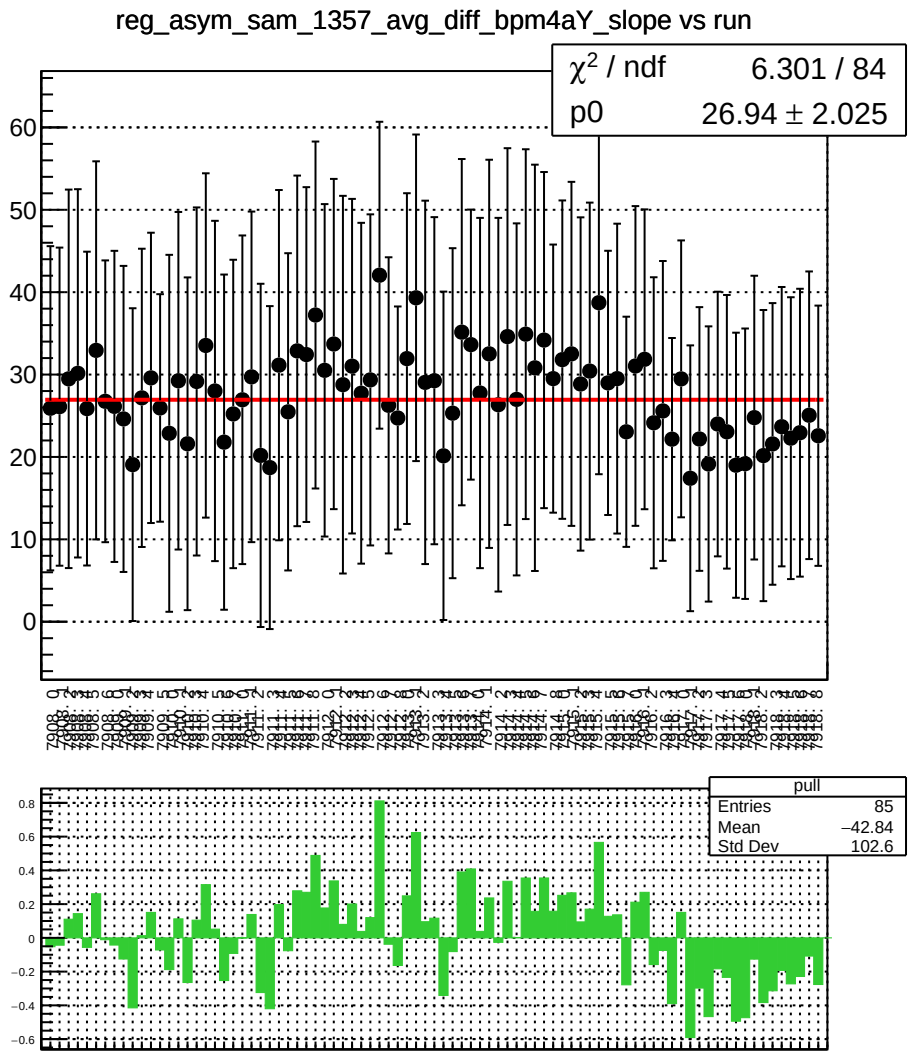

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.48 / 84
p0 19.6 ± 0.3187
pull
Entries 85
Mean −747.1
Std Dev 791.3
pull1D
Entries 85
Mean −0.01211
Std Dev 0.655

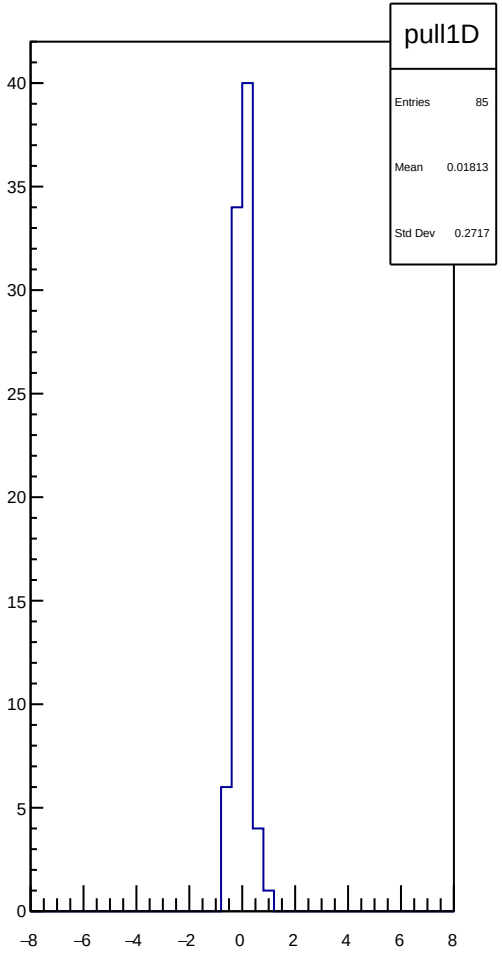

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.44 / 84
p0 −4.979 ± 0.2683
pull
Entries 85
Mean −5078
Std Dev 5113
pull1D
Entries 85
Mean −0.0003753
Std Dev 0.5578

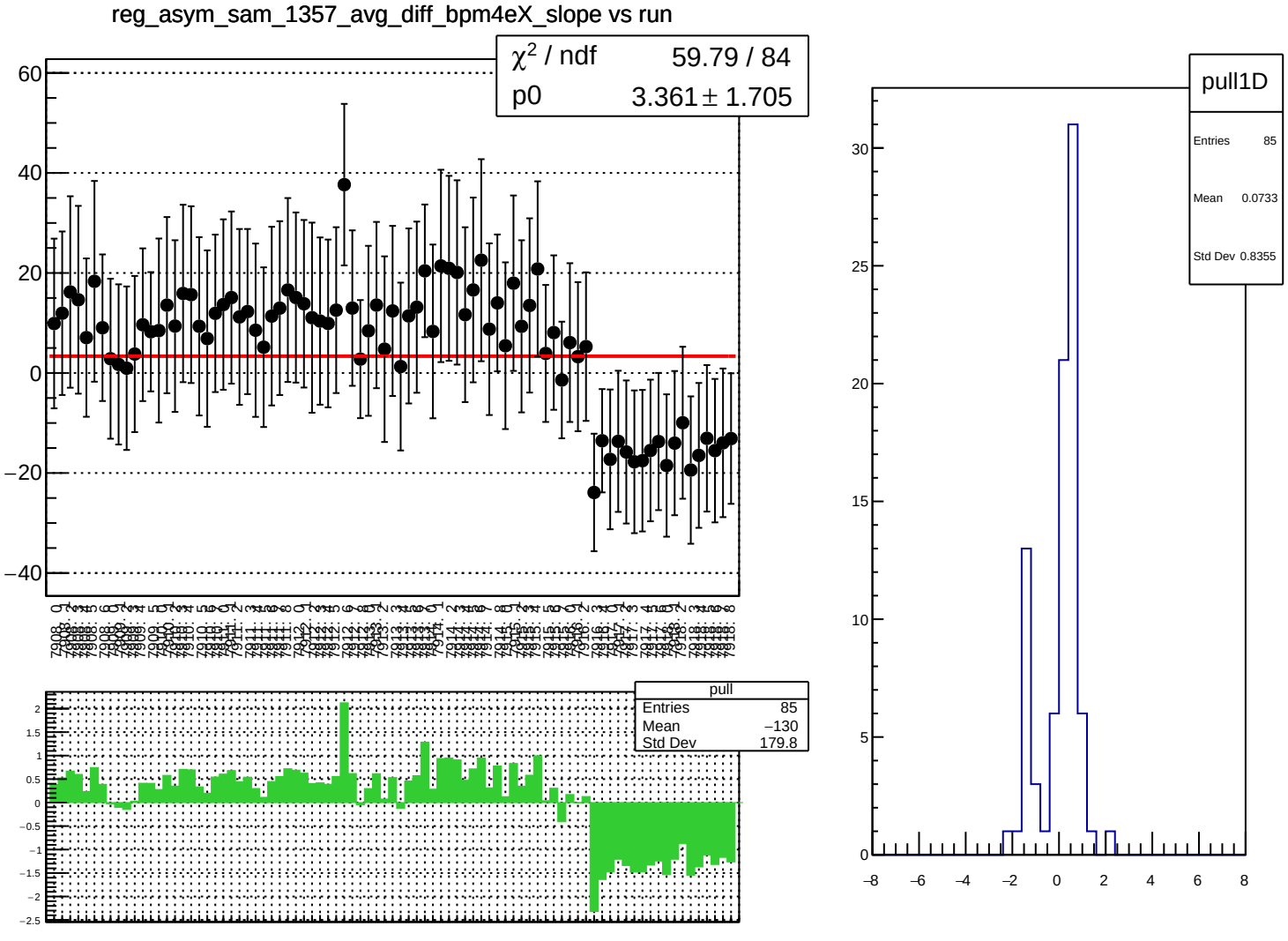

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.67 / 84
p0 −3.842 ± 0.3707
pull
Entries 85
Mean −1284
Std Dev 1323
pull1D
Entries 85
Mean 0.003597
Std Dev 0.5277

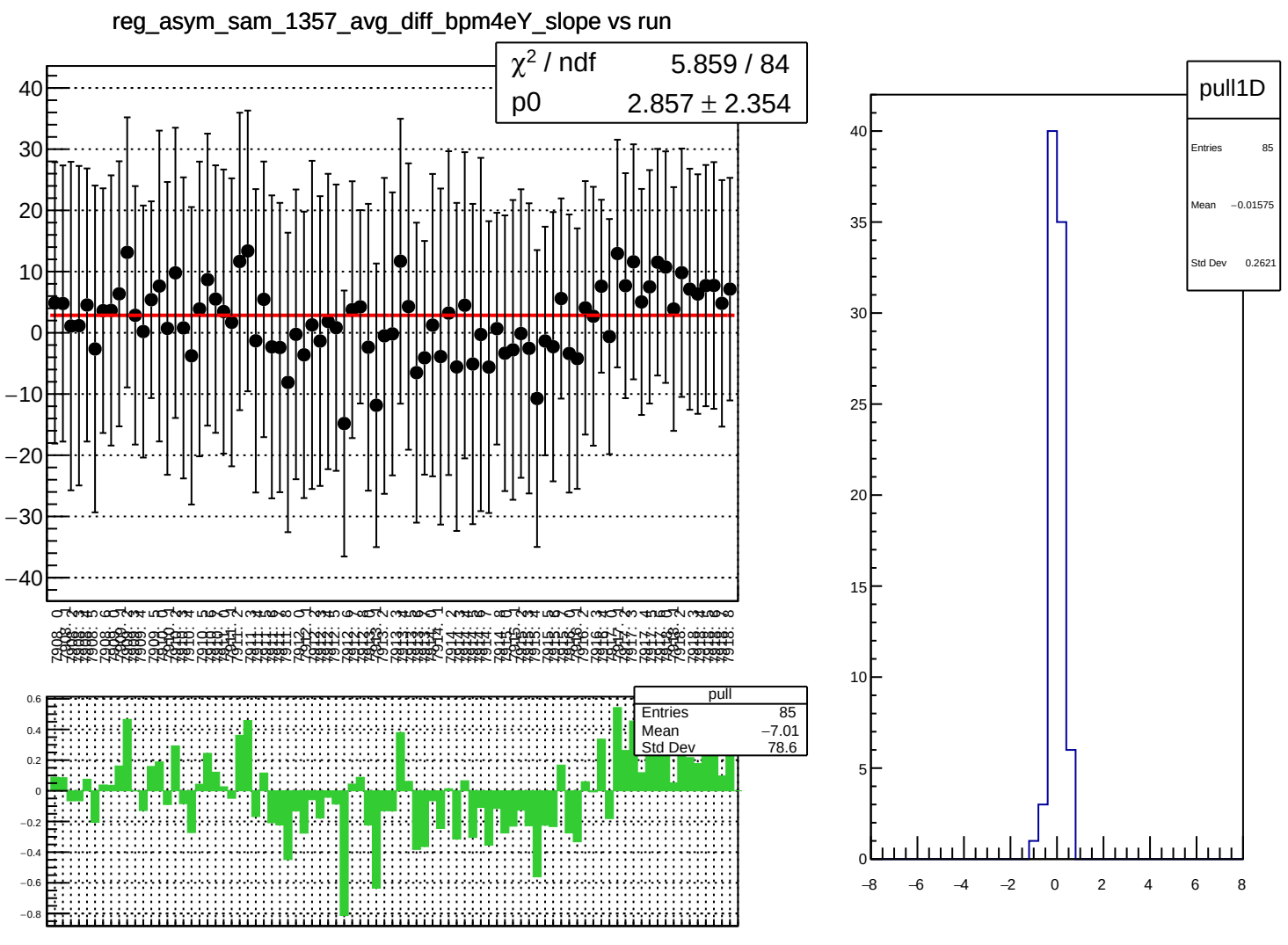

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 24.61 / 84
p0 −0.6877 ± 0.01112
pull
Entries 85
Mean −267.2
Std Dev 308.1
pull1D
Entries 85
Mean 0.01748
Std Dev 0.5378

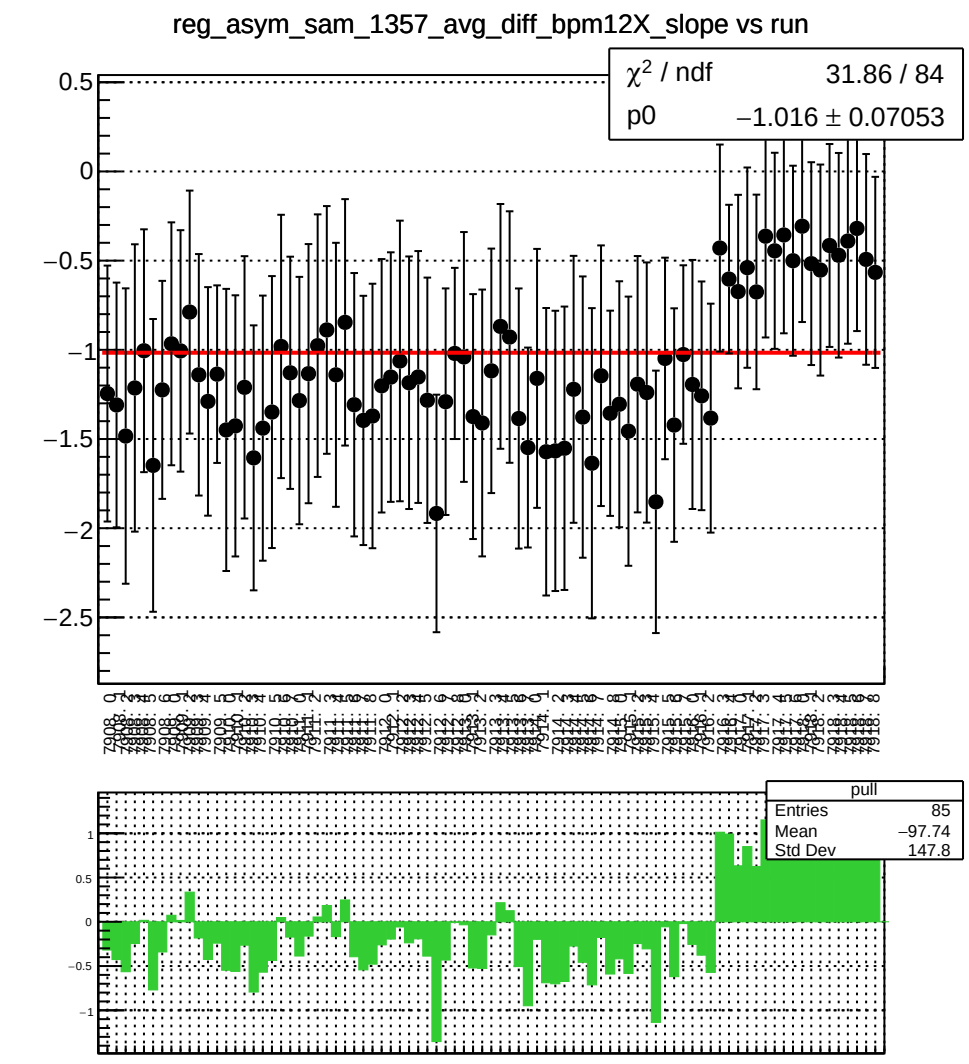

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 67.82 / 84
p0 −54.07 ± 2.002
pull
Entries 85
Mean −92.19
Std Dev 141.3
pull1D
Entries 85
Mean −0.1024
Std Dev 0.8873

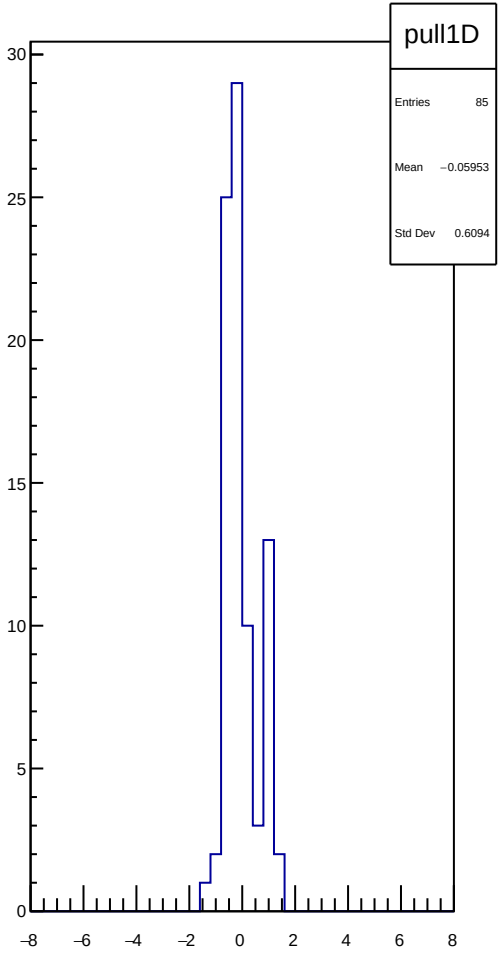

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.301 / 84
p0 26.94 ± 2.025
pull
Entries 85
Mean −42.84
Std Dev 102.6

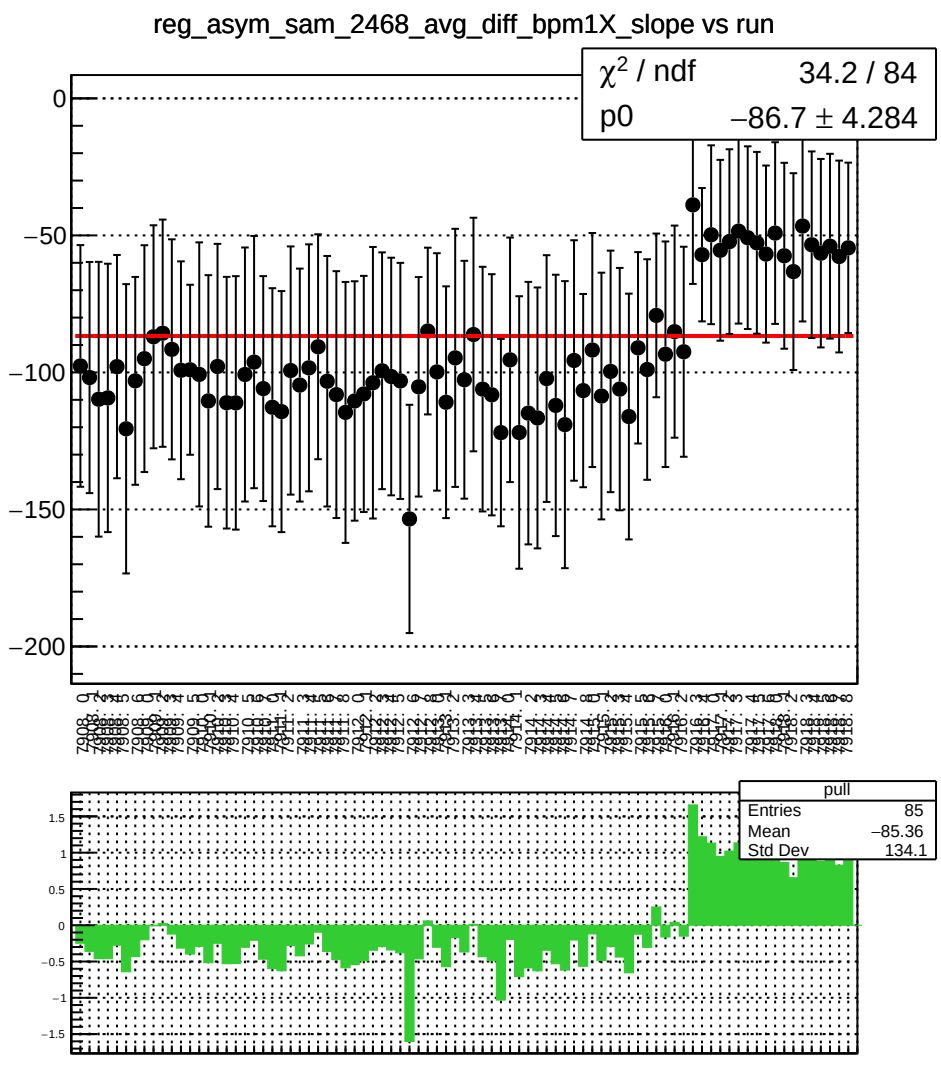

pull1D
Entries 85
Mean 0.01813
Std Dev 0.2717

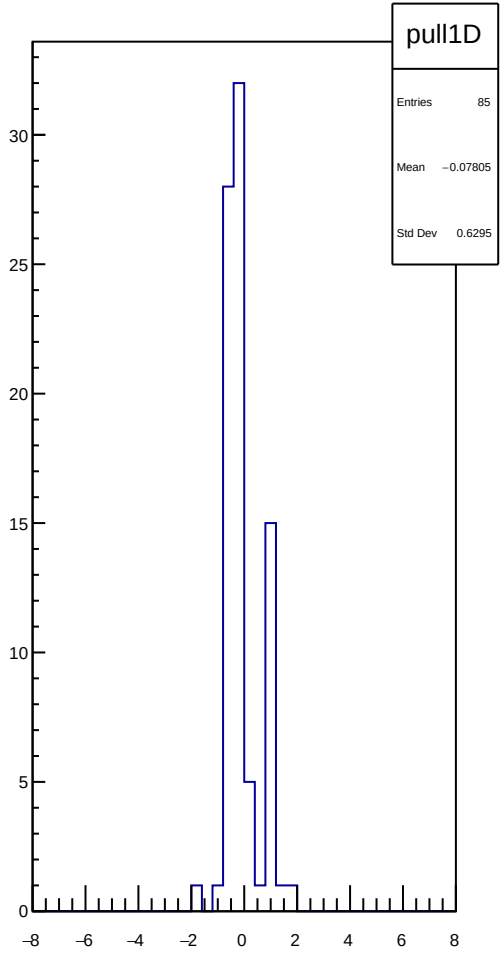

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.79 / 84
p0 3.361 ± 1.705
pull
Entries 85
Mean −130
Std Dev 179.8
pull1D
Entries 85
Mean 0.0733
Std Dev 0.8355

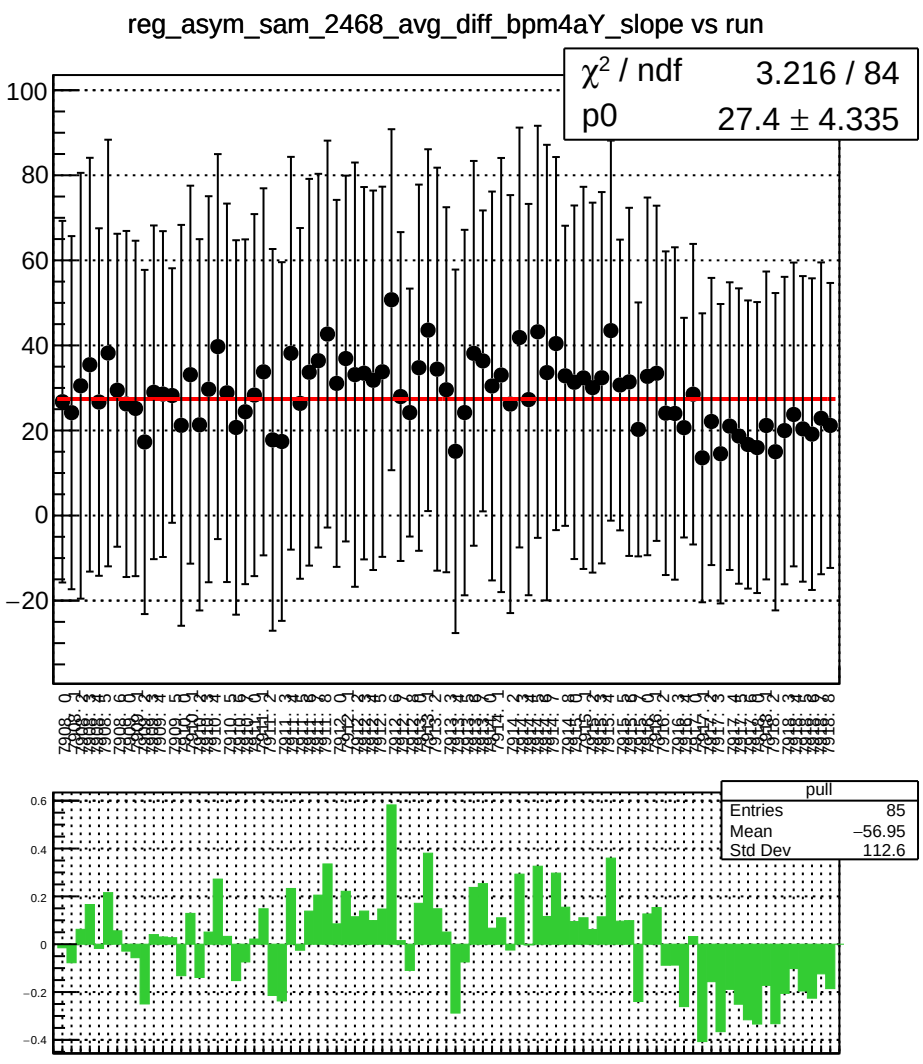

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.859 / 84
p0 2.857 ± 2.354
pull
Entries 85
Mean −7.01
Std Dev 78.6
pull1D
Entries 85
Mean −0.01575
Std Dev 0.2621

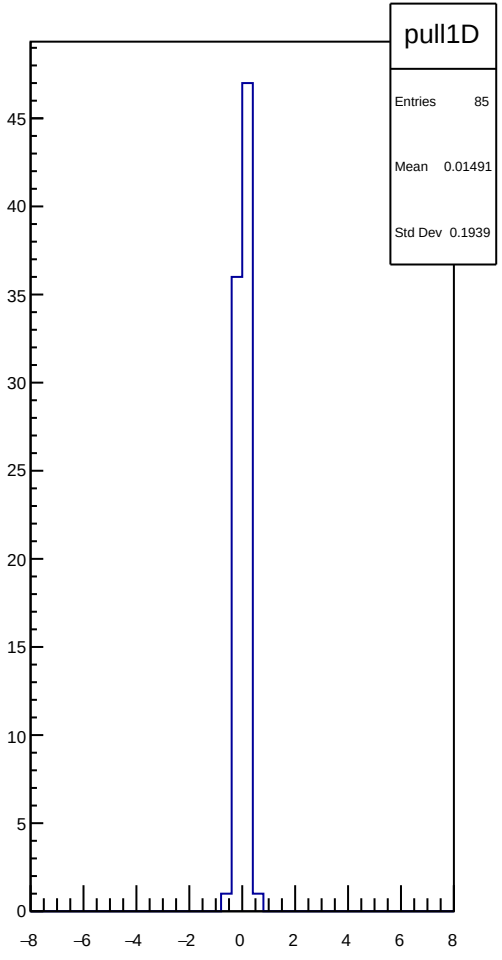

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 31.86 / 84
p0 −1.016 ± 0.07053
pull
Entries 85
Mean −97.74
Std Dev 147.8

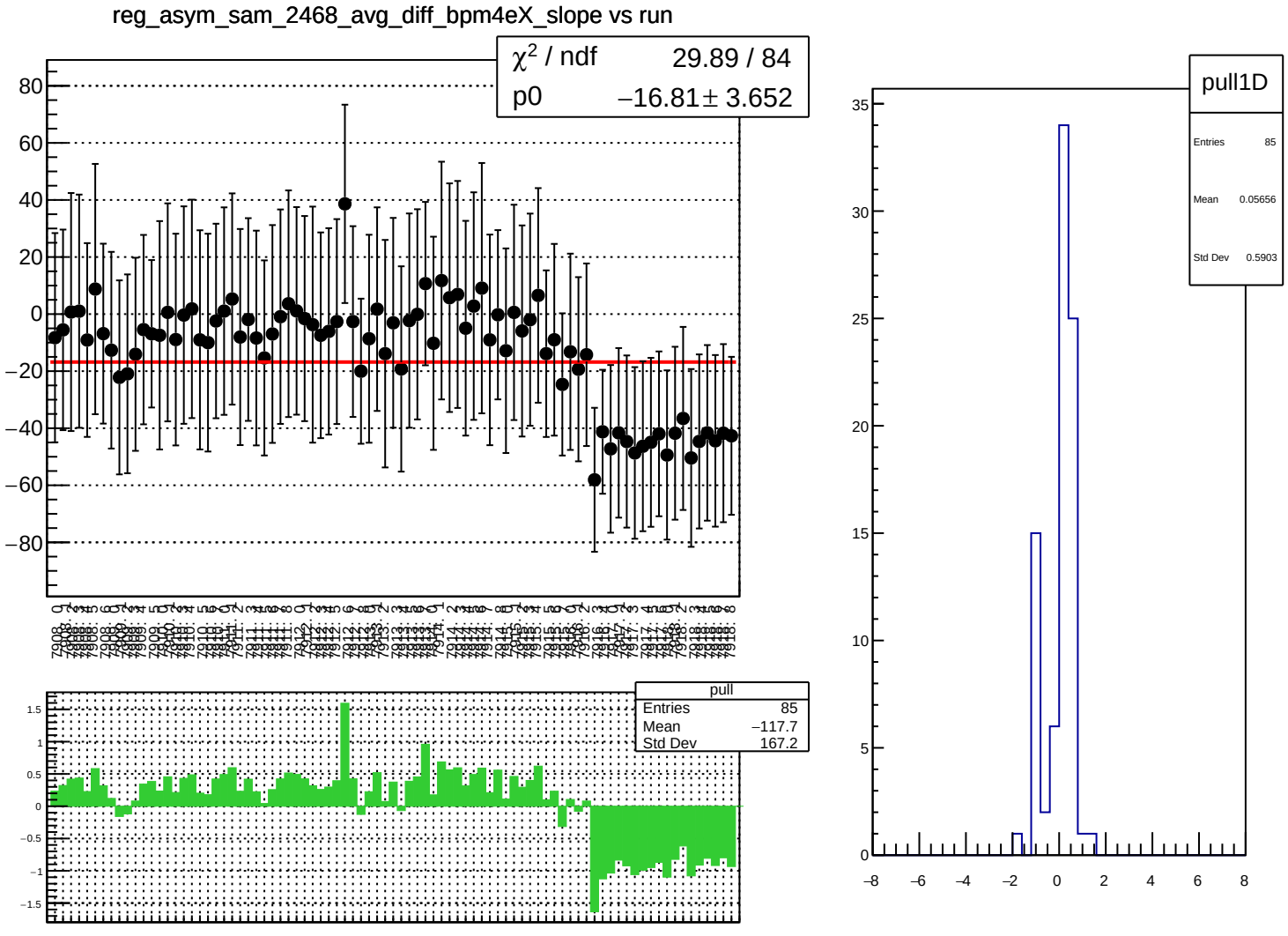

pull1D
Entries 85
Mean −0.05953
Std Dev 0.6094

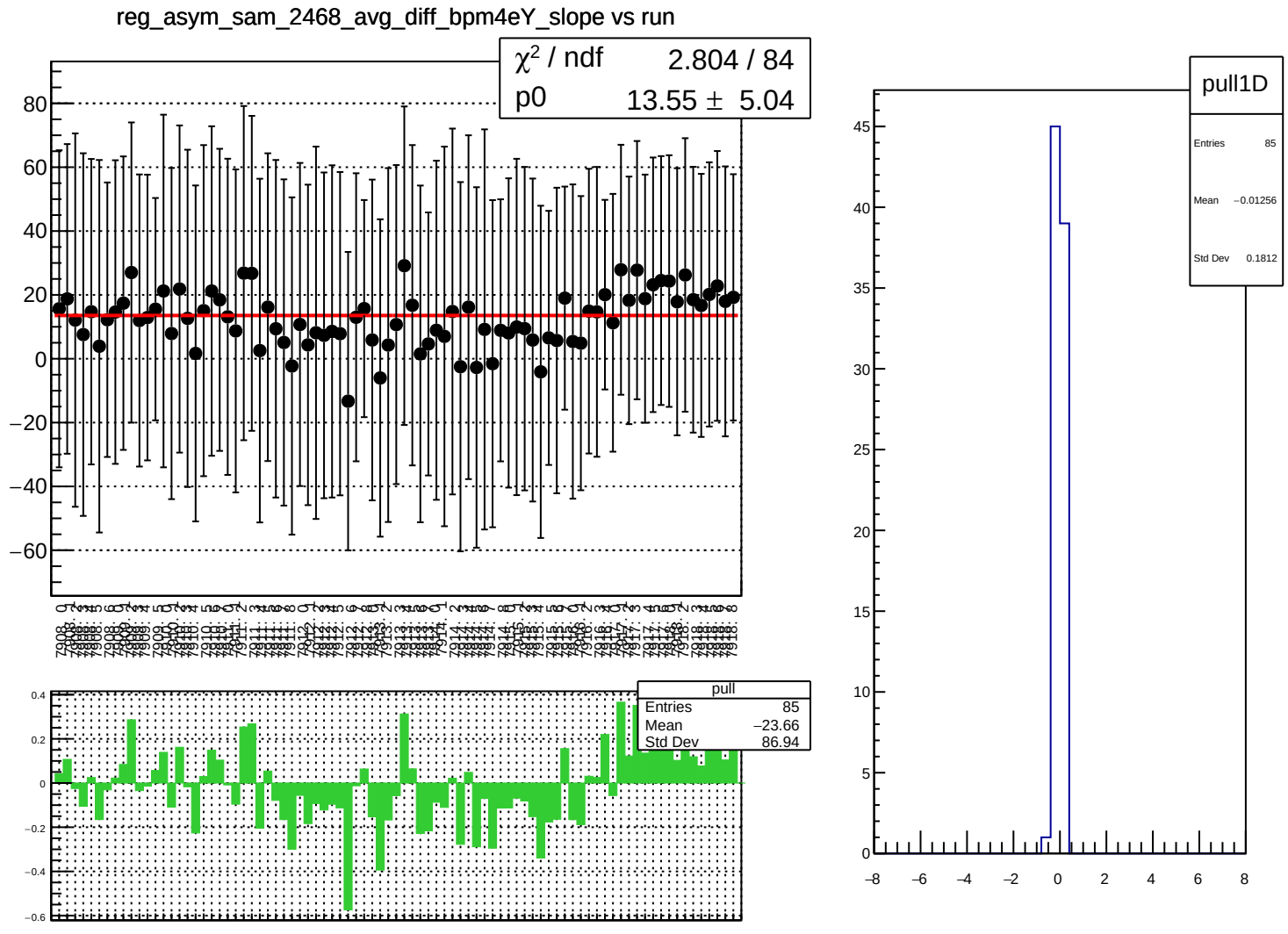

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 34.2 / 84
p0 −86.7 ± 4.284
0
−50
−100
−150
−200
pull
Entries 85
Mean −85.36
Std Dev 134.1
1.5
1
0.5
0
−0.5
−1
−1.5

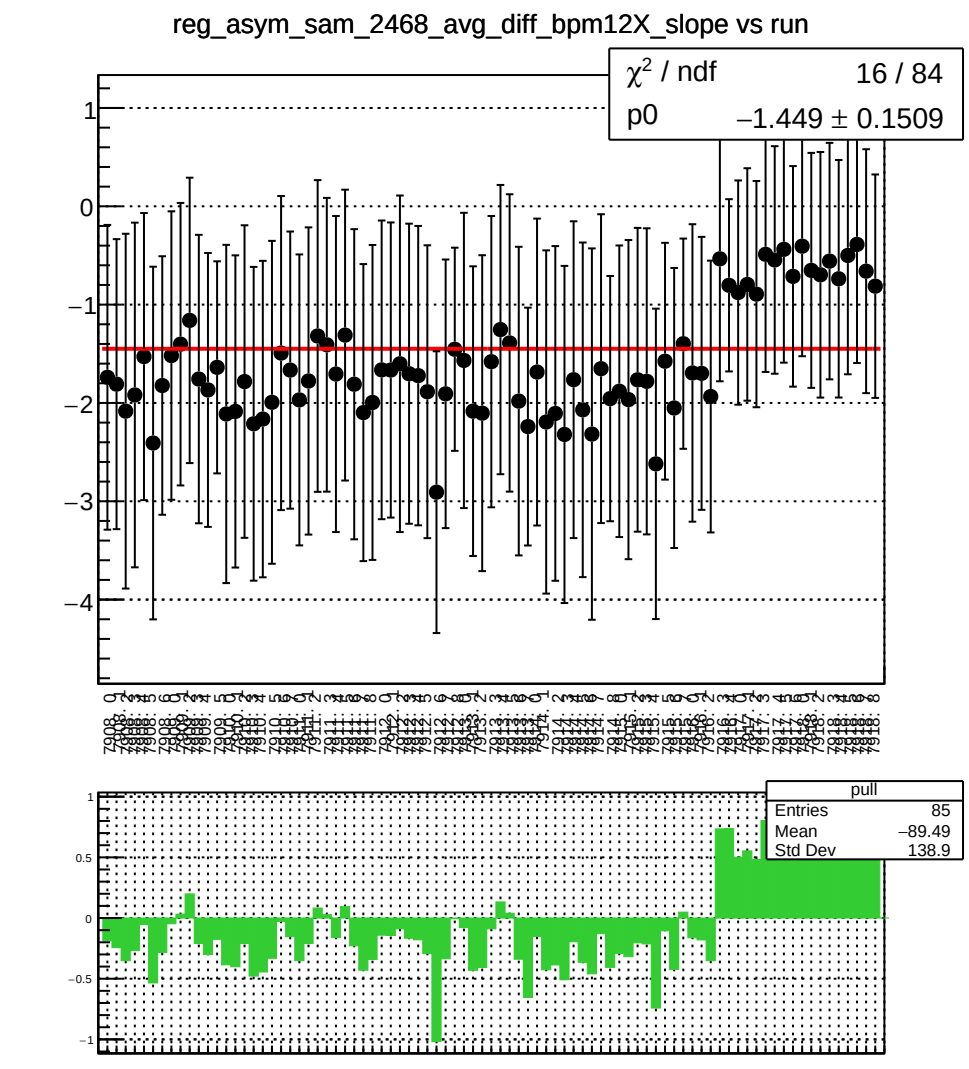

pull1D
Entries 85
Mean −0.07805
Std Dev 0.6295
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

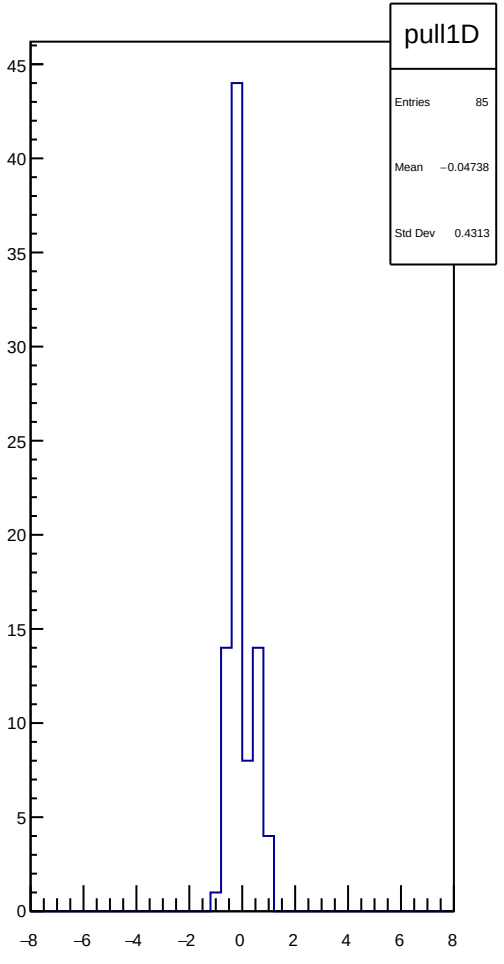

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.216 / 84
p0 27.4 ± 4.335
pull
Entries 85
Mean −56.95
Std Dev 112.6

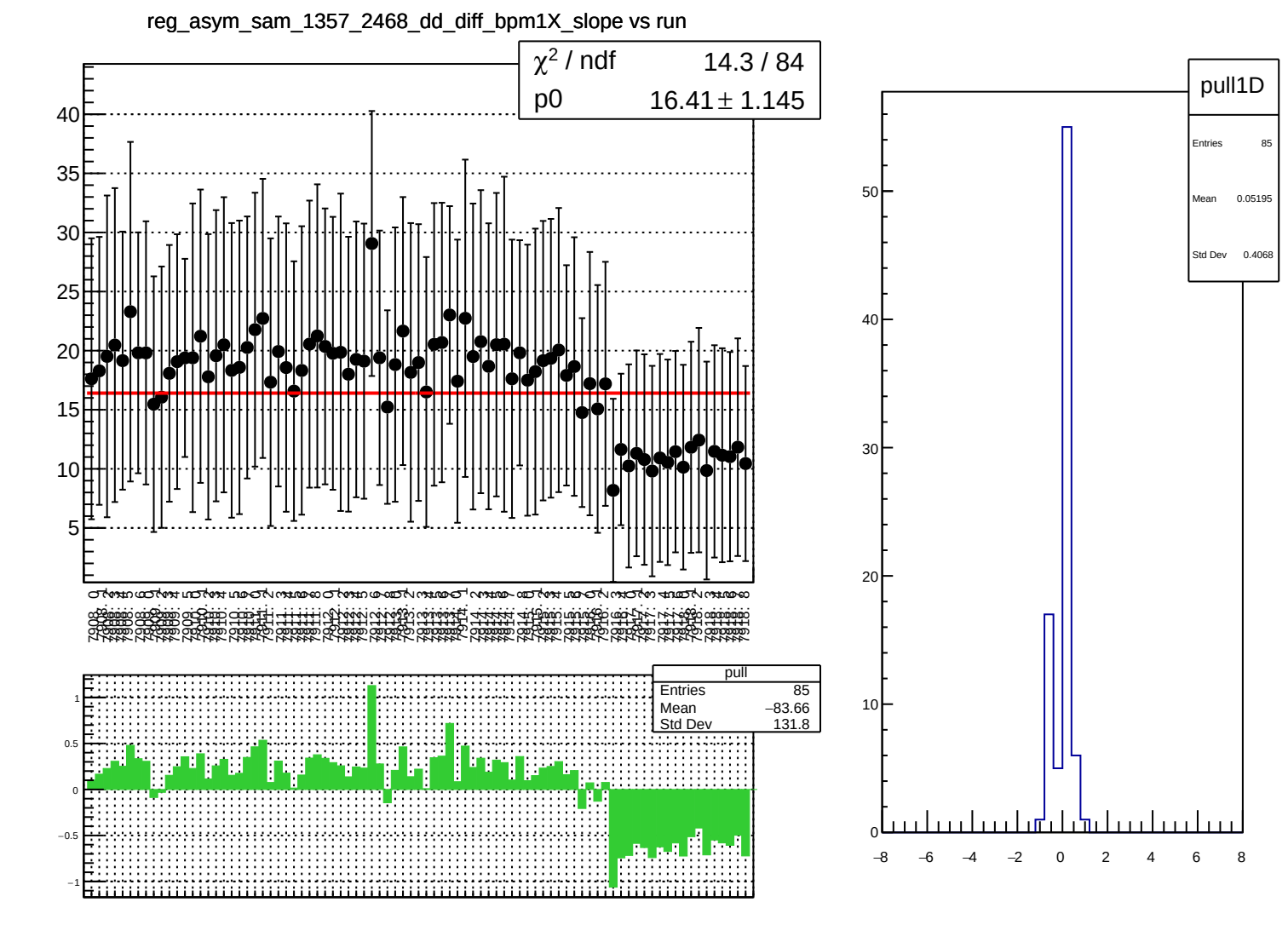

pull1D
Entries 85
Mean 0.01491
Std Dev 0.1939

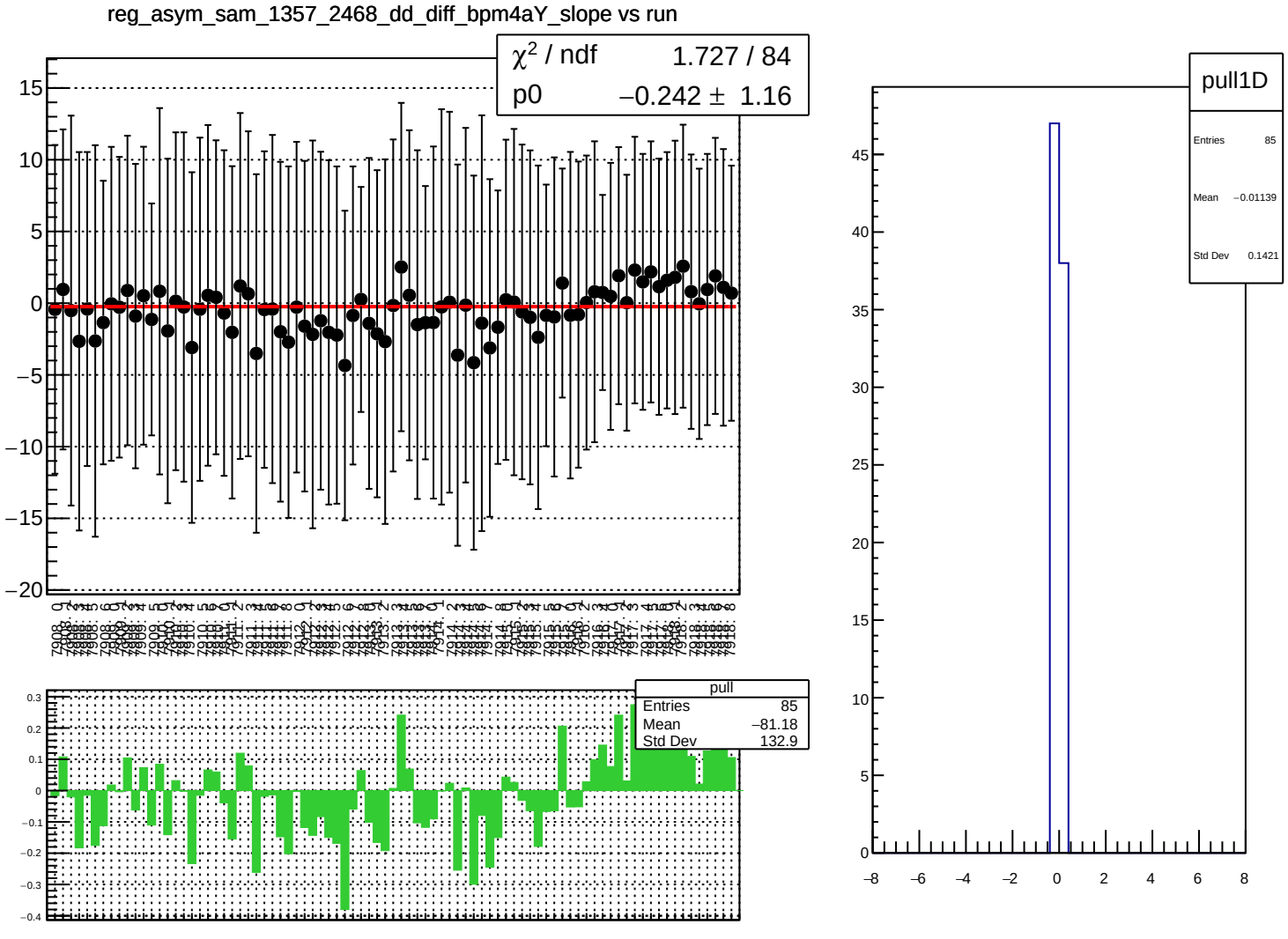

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.89 / 84
p0 −16.81± 3.652
pull
Entries 85
Mean −117.7
Std Dev 167.2
pull1D
Entries 85
Mean 0.05656
Std Dev 0.5903

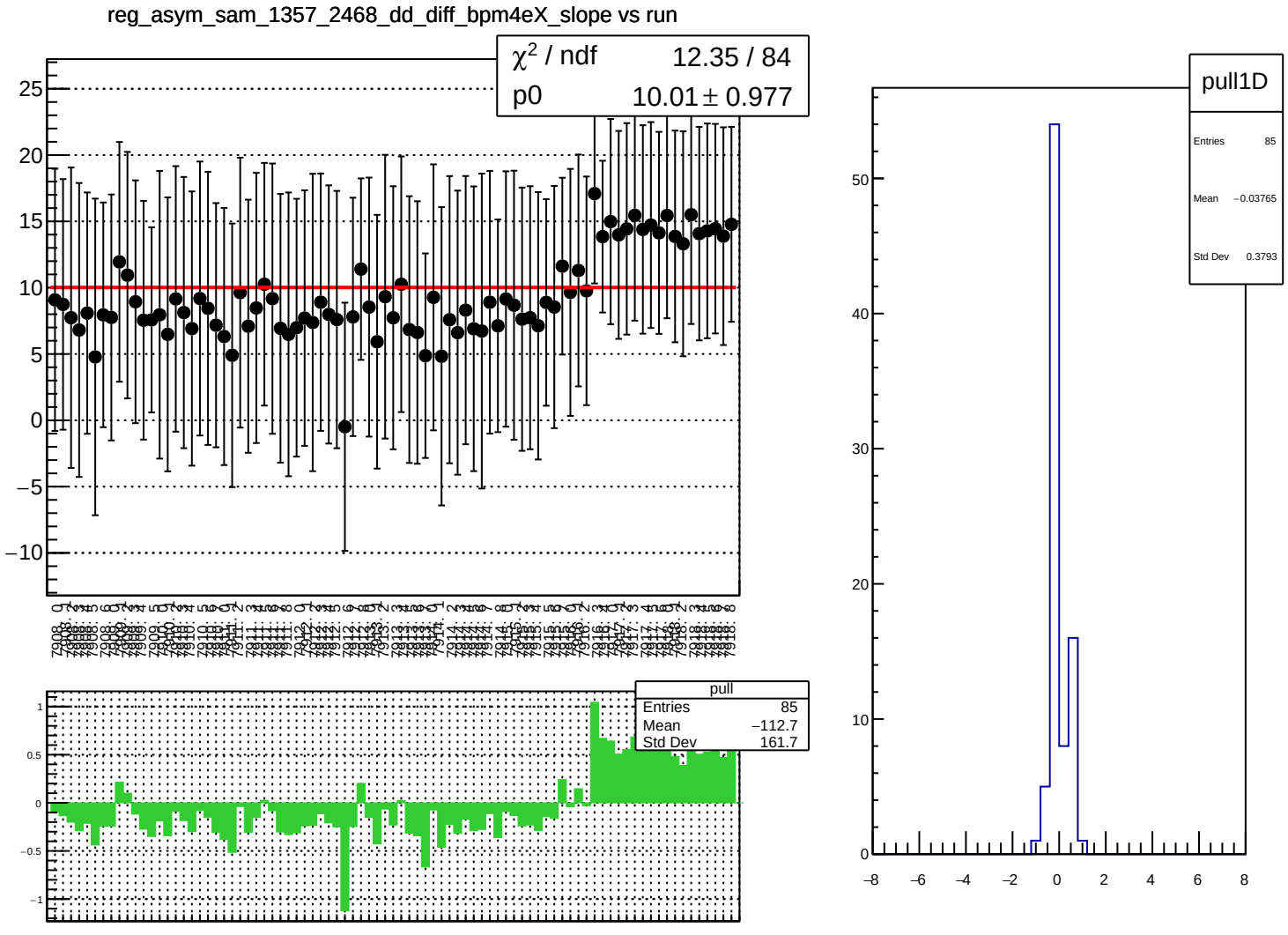

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.804 / 84
p0 13.55 ± 5.04
pull
Entries 85
Mean −23.66
Std Dev 86.94
pull1D
Entries 85
Mean −0.01256
Std Dev 0.1812

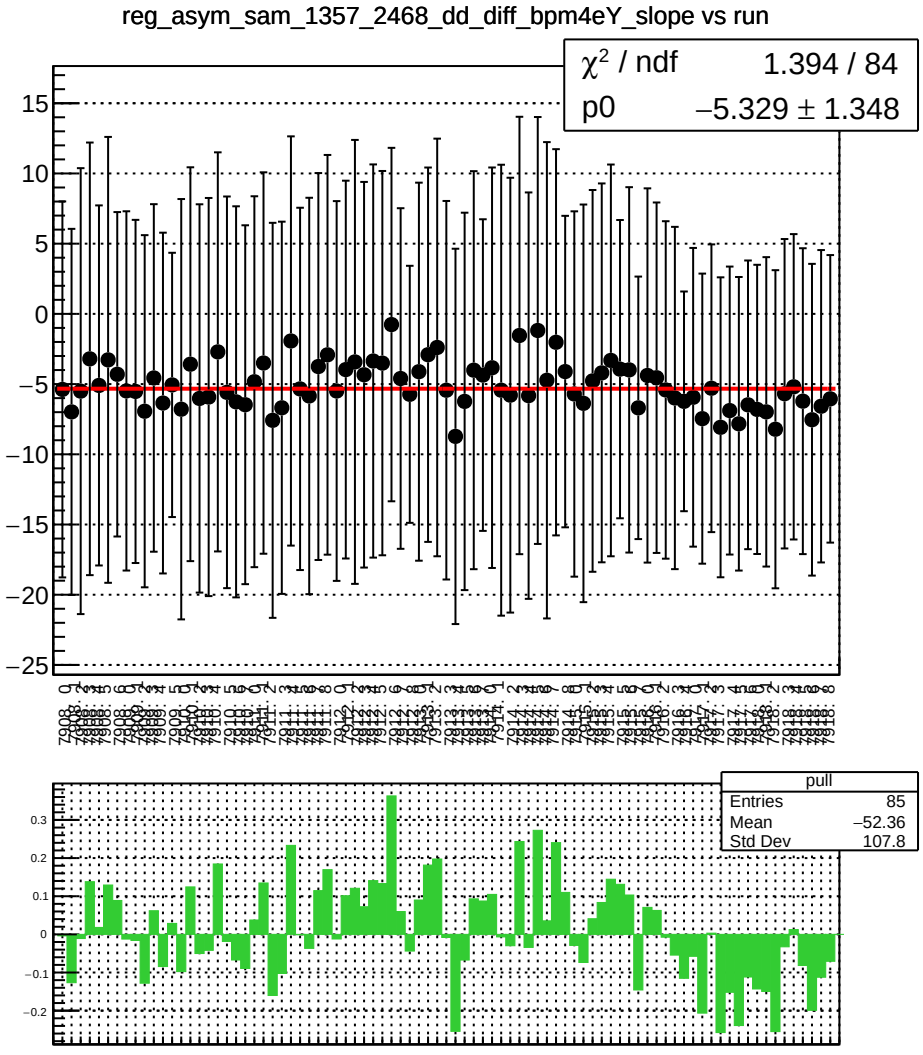

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 16 / 84
p0 −1.449 ± 0.1509
pull
Entries 85
Mean −89.49
Std Dev 138.9

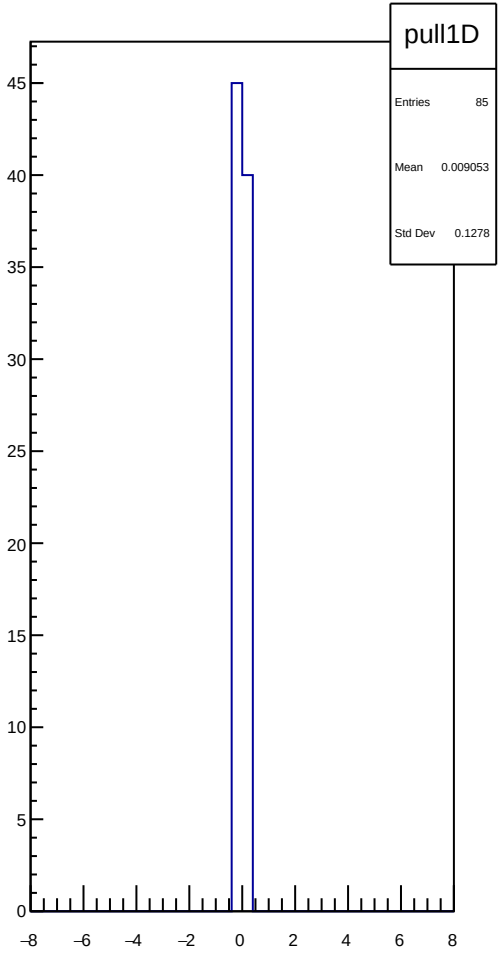

pull1D
Entries 85
Mean −0.04738
Std Dev 0.4313

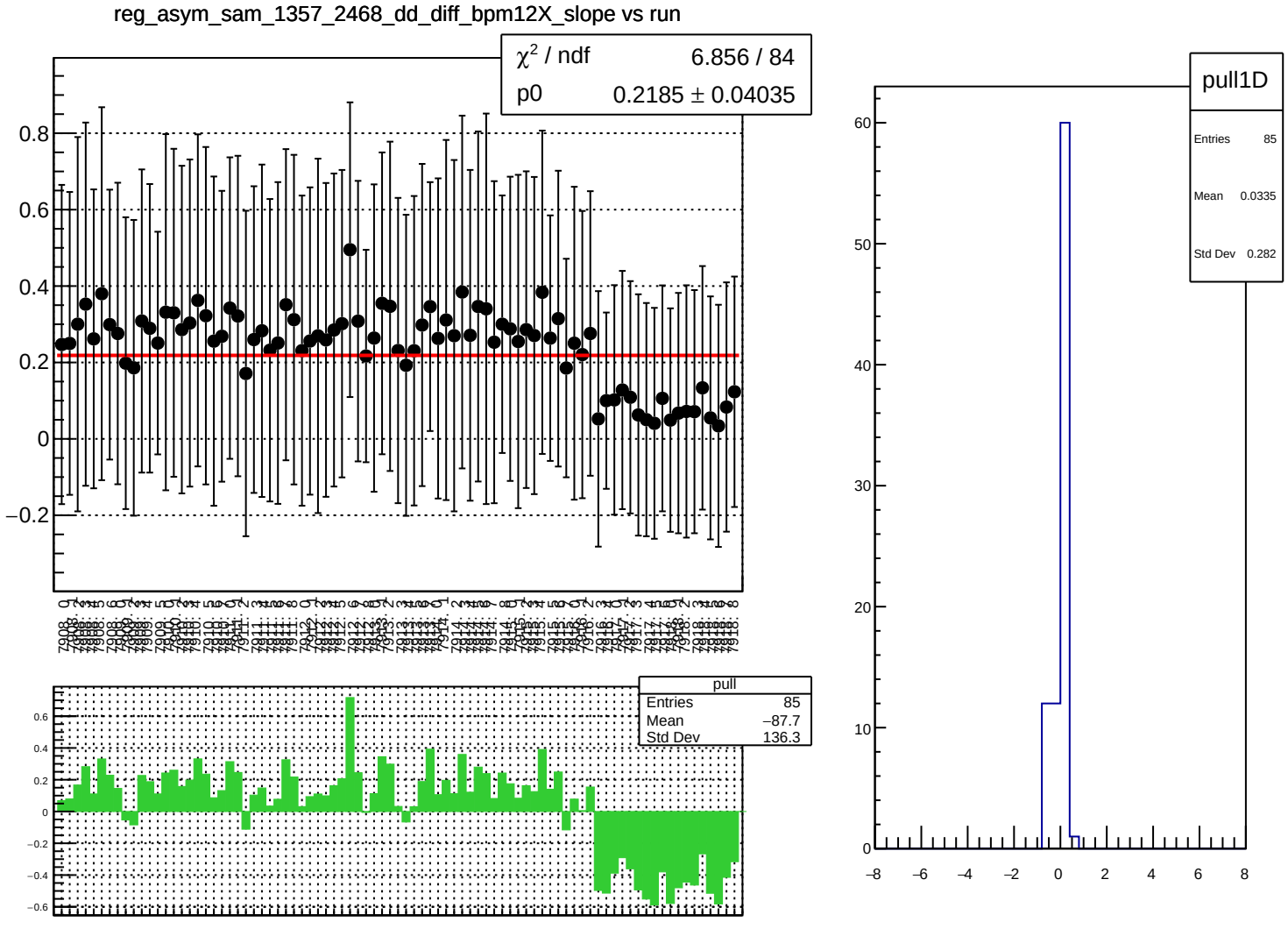

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 14.3 / 84
p0 16.41 ± 1.145
pull
Entries 85
Mean −83.66
Std Dev 131.8
pull1D
Entries 85
Mean 0.05195
Std Dev 0.4068

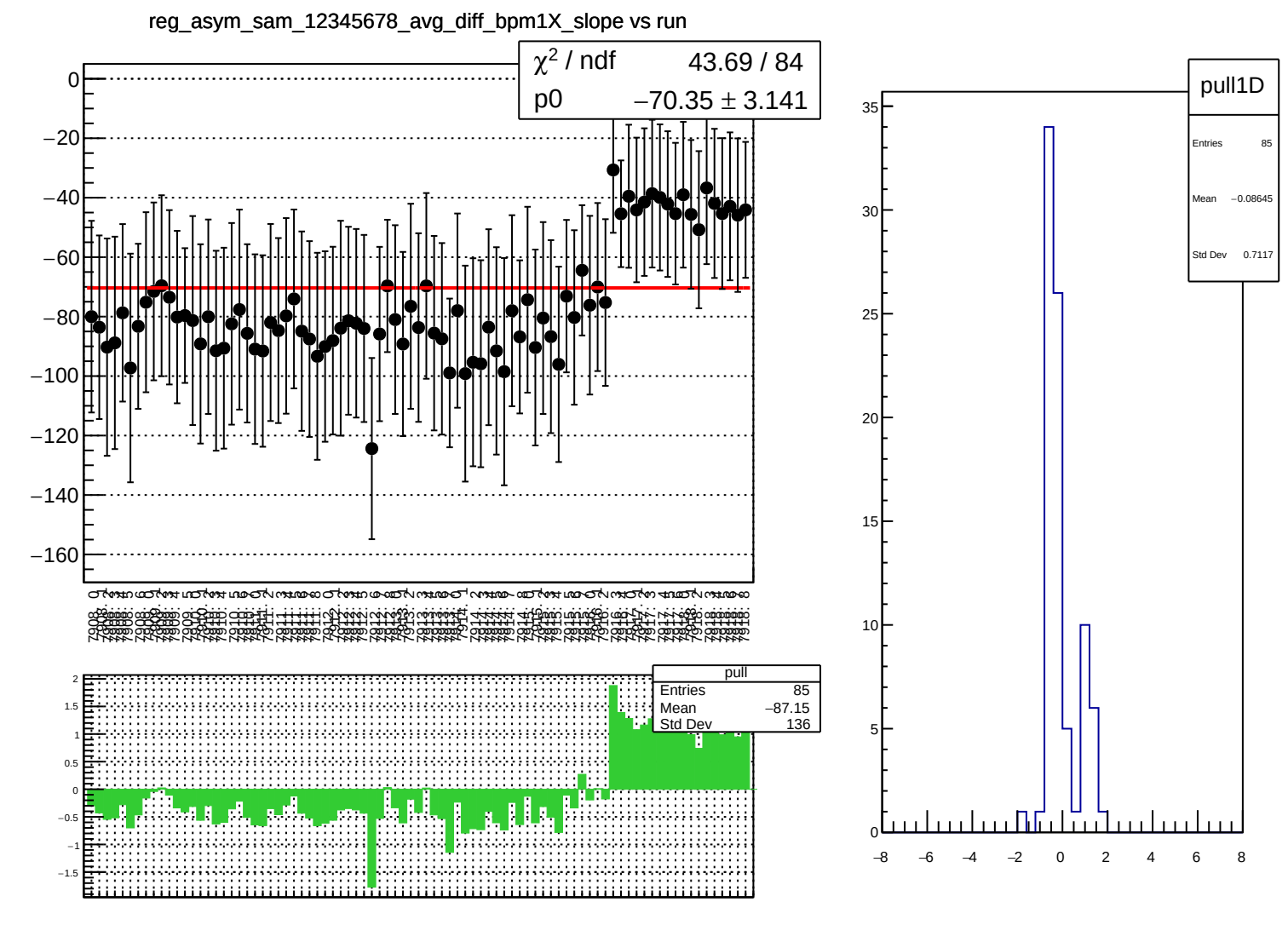

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.727 / 84
p0 −0.242 ± 1.16
pull
Entries 85
Mean −81.18
Std Dev 132.9
pull1D
Entries 85
Mean −0.01139
Std Dev 0.1421

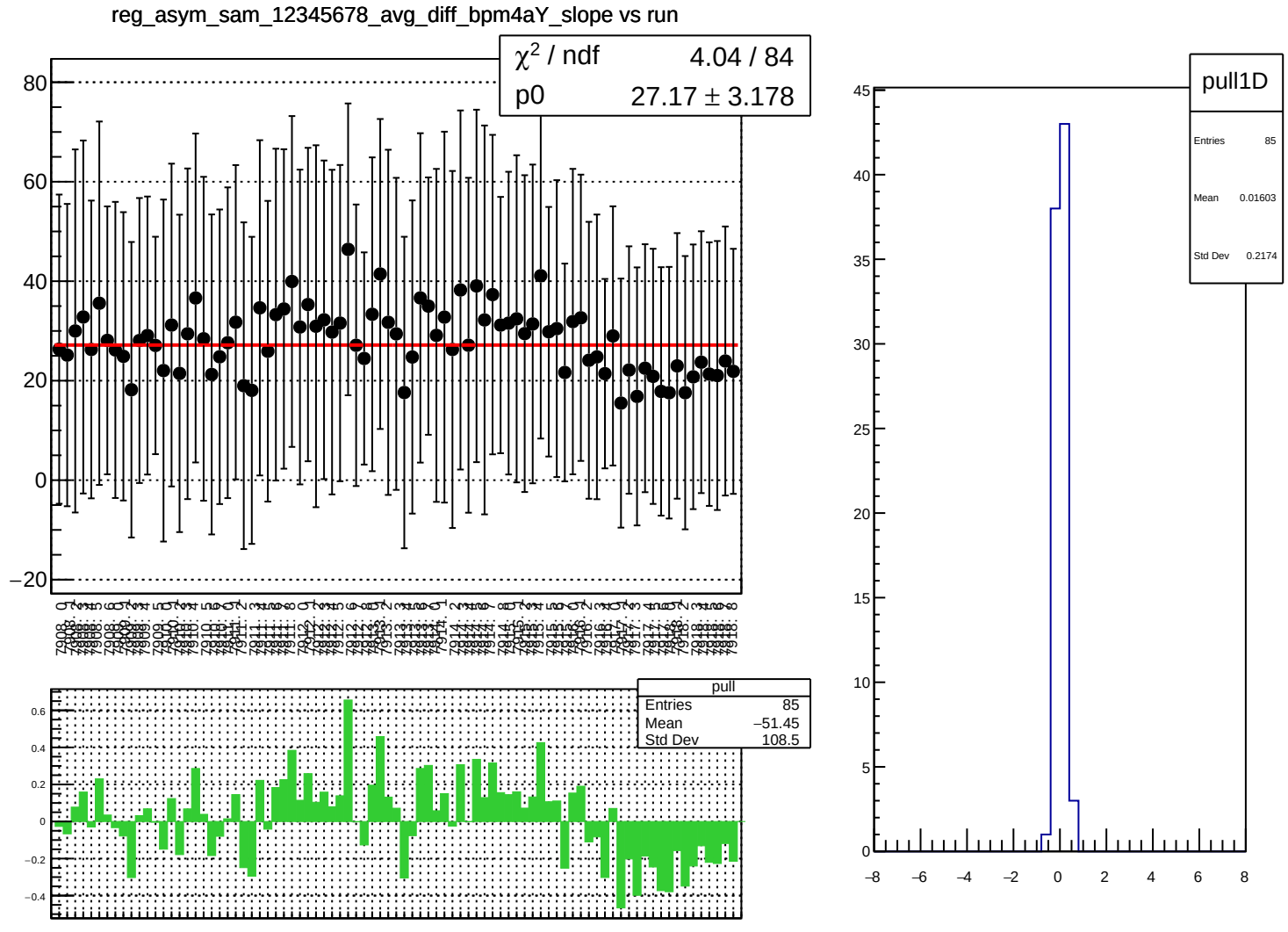

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.35 / 84
p0 10.01 ± 0.977
pull
Entries 85
Mean −112.7
Std Dev 161.7
pull1D
Entries 85
Mean −0.03765
Std Dev 0.3793

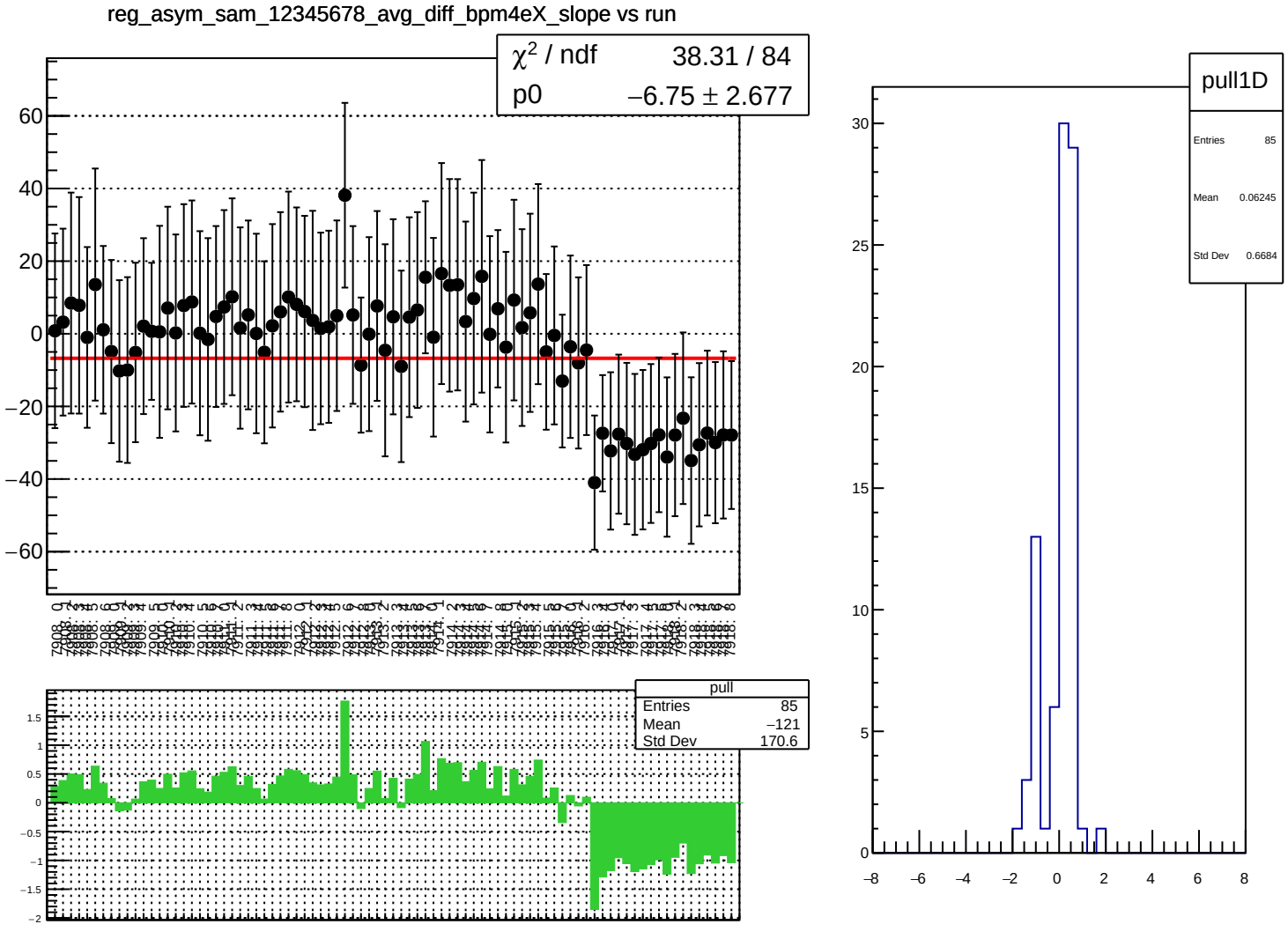

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.394 / 84
p0 −5.329 ± 1.348
pull
Entries 85
Mean −52.36
Std Dev 107.8

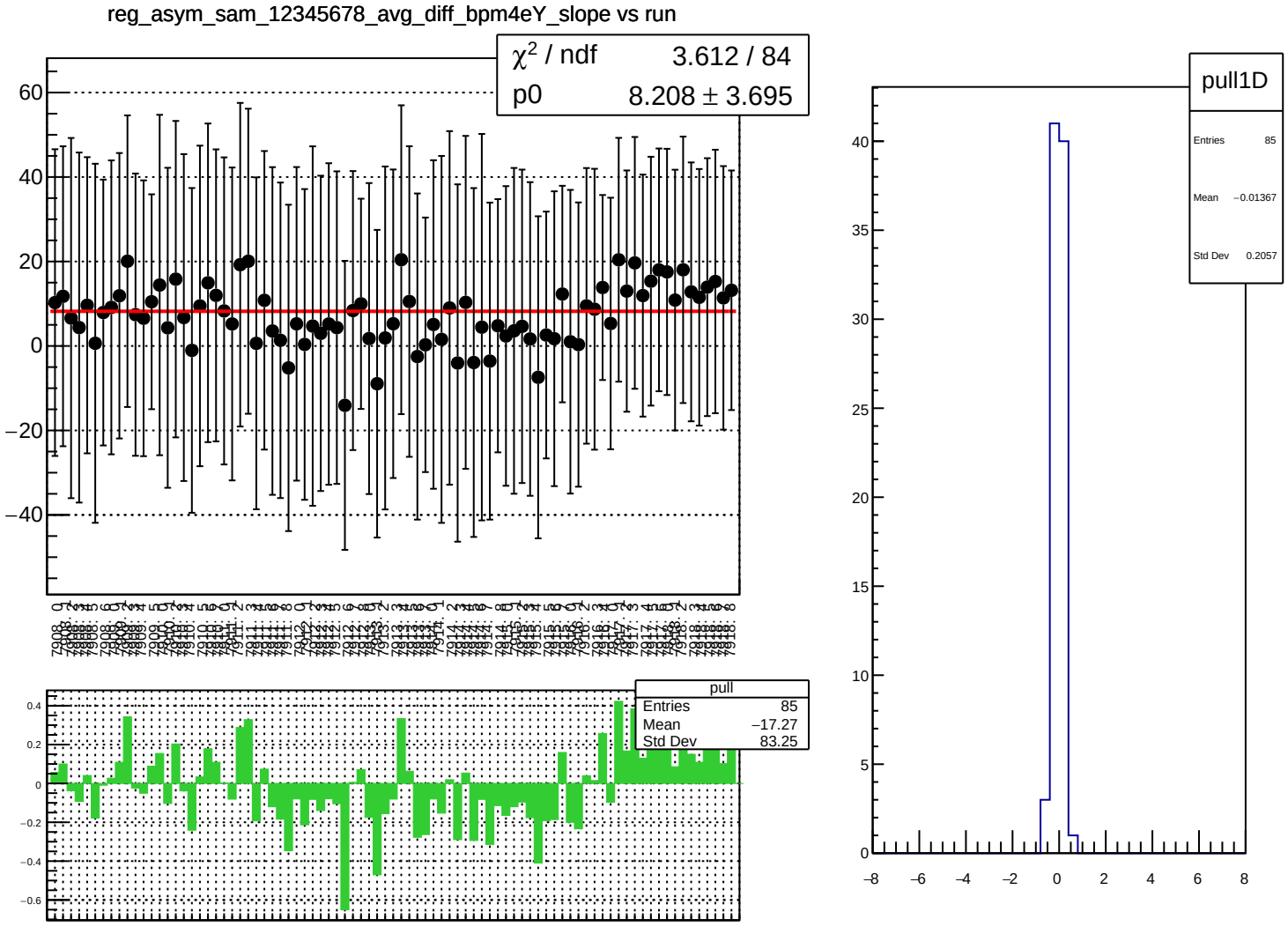

pull1D
Entries 85
Mean 0.009053
Std Dev 0.1278

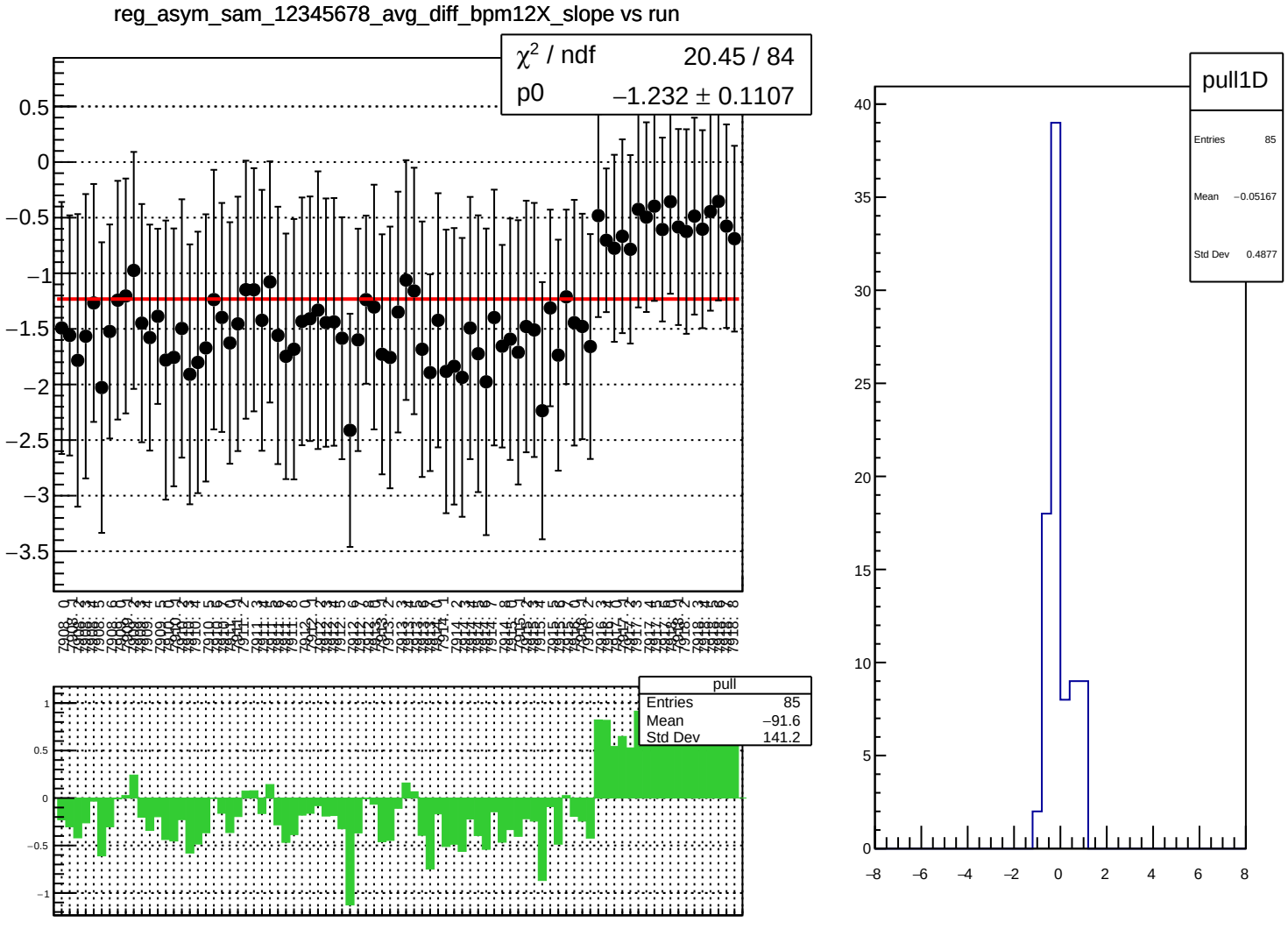

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 6.856 / 84
p0 0.2185 ± 0.04035
pull
Entries 85
Mean −87.7
Std Dev 136.3
pull1D
Entries 85
Mean 0.0335
Std Dev 0.282

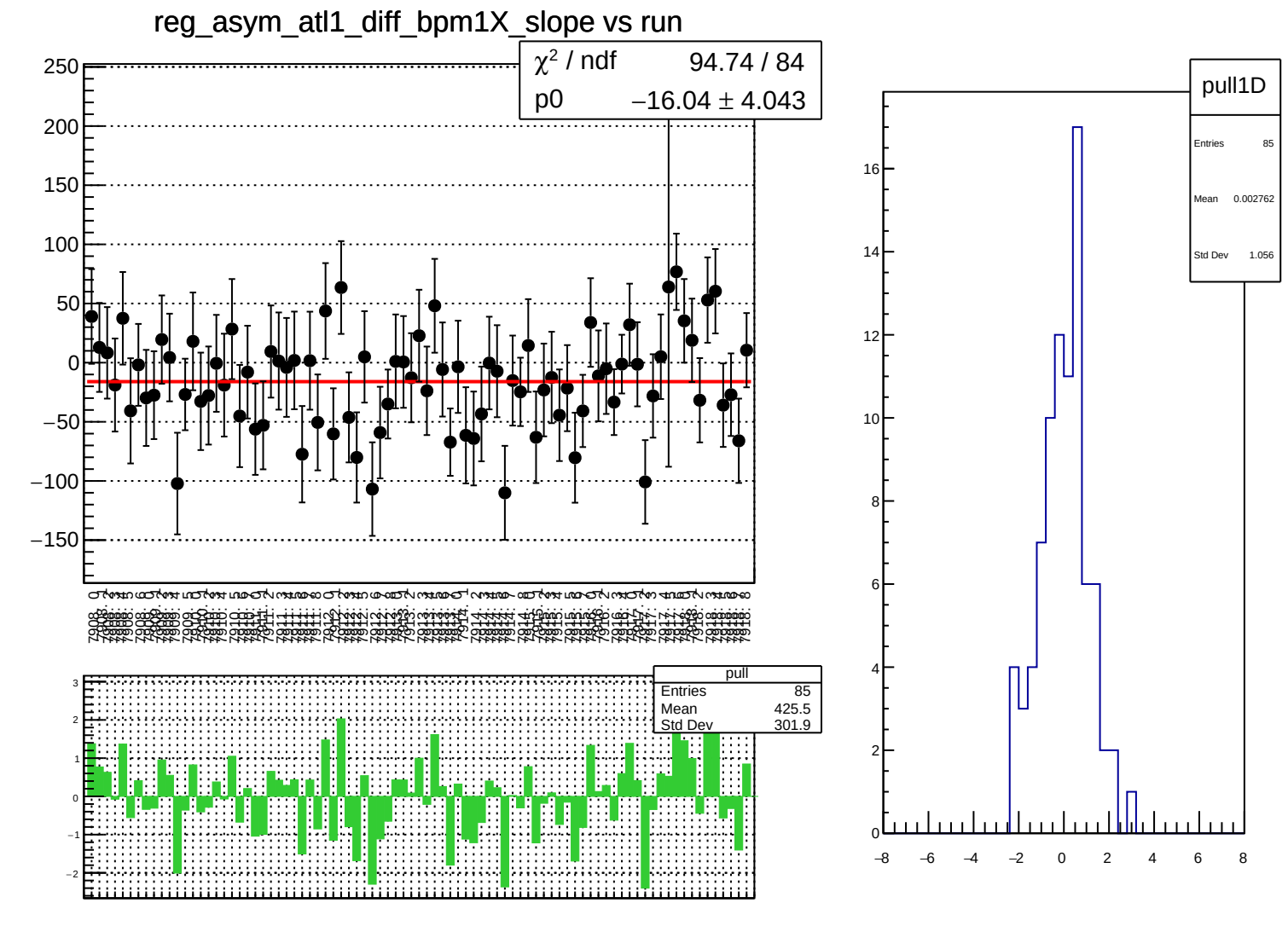

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 43.69 / 84
p0 −70.35 ± 3.141
pull
Entries 85
Mean −87.15
Std Dev 136
pull1D
Entries 85
Mean −0.08645
Std Dev 0.7117

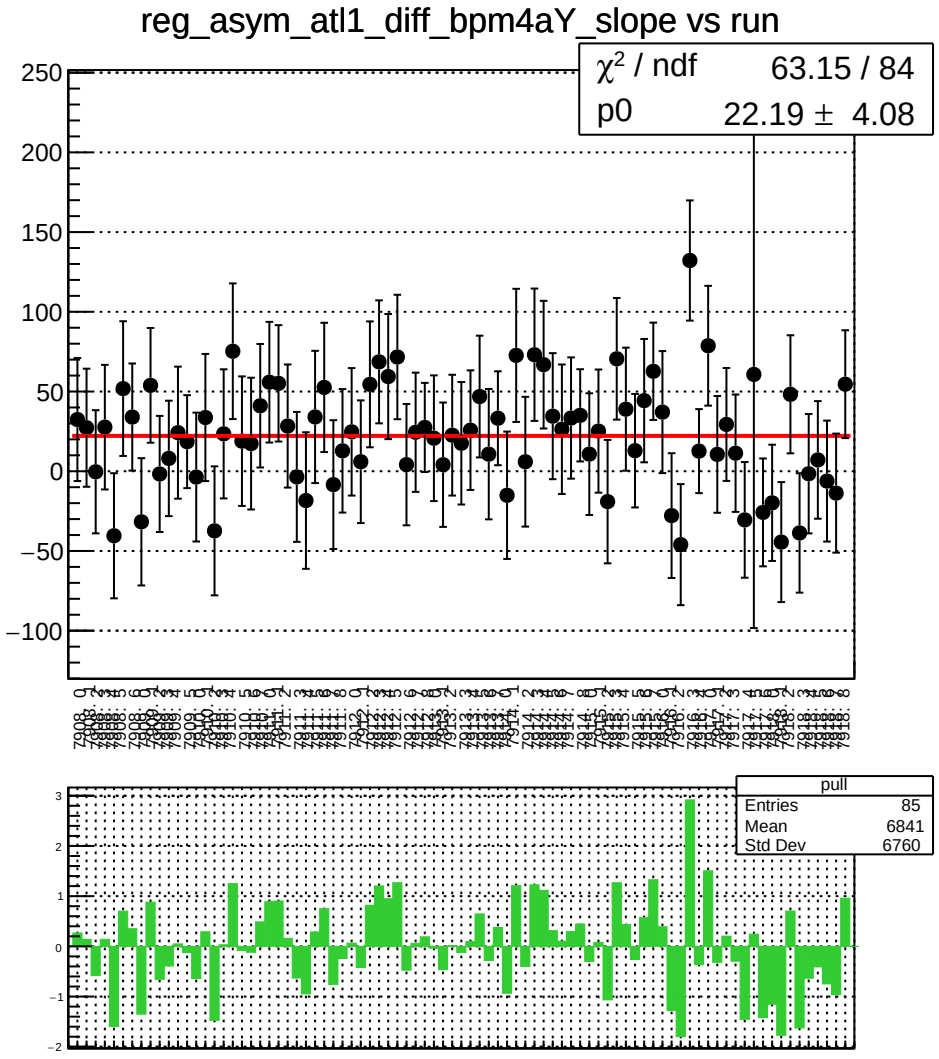

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.04 / 84
p0 27.17 ± 3.178
pull
Entries 85
Mean −51.45
Std Dev 108.5
pull1D
Entries 85
Mean 0.01603
Std Dev 0.2174

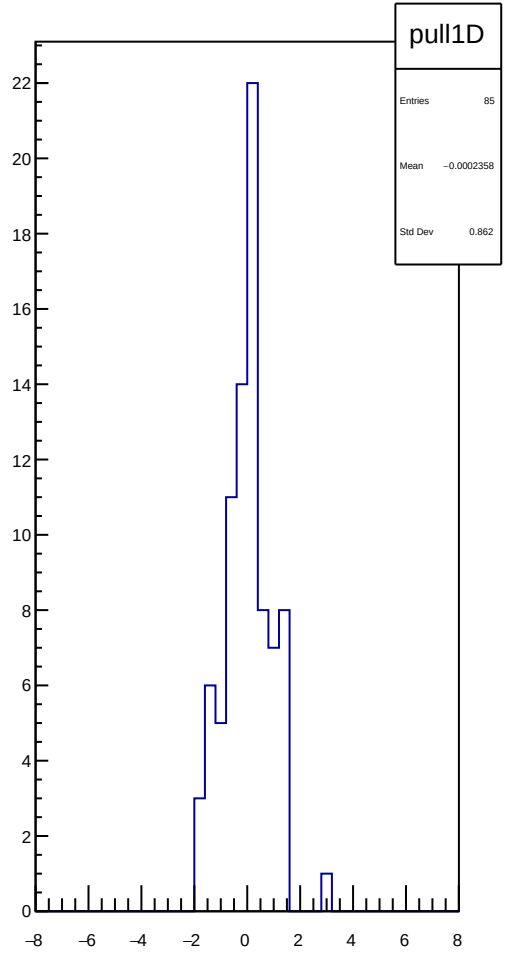

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.31 / 84
p0 −6.75 ± 2.677
pull
Entries 85
Mean −121
Std Dev 170.6
pull1D
Entries 85
Mean 0.06245
Std Dev 0.6684

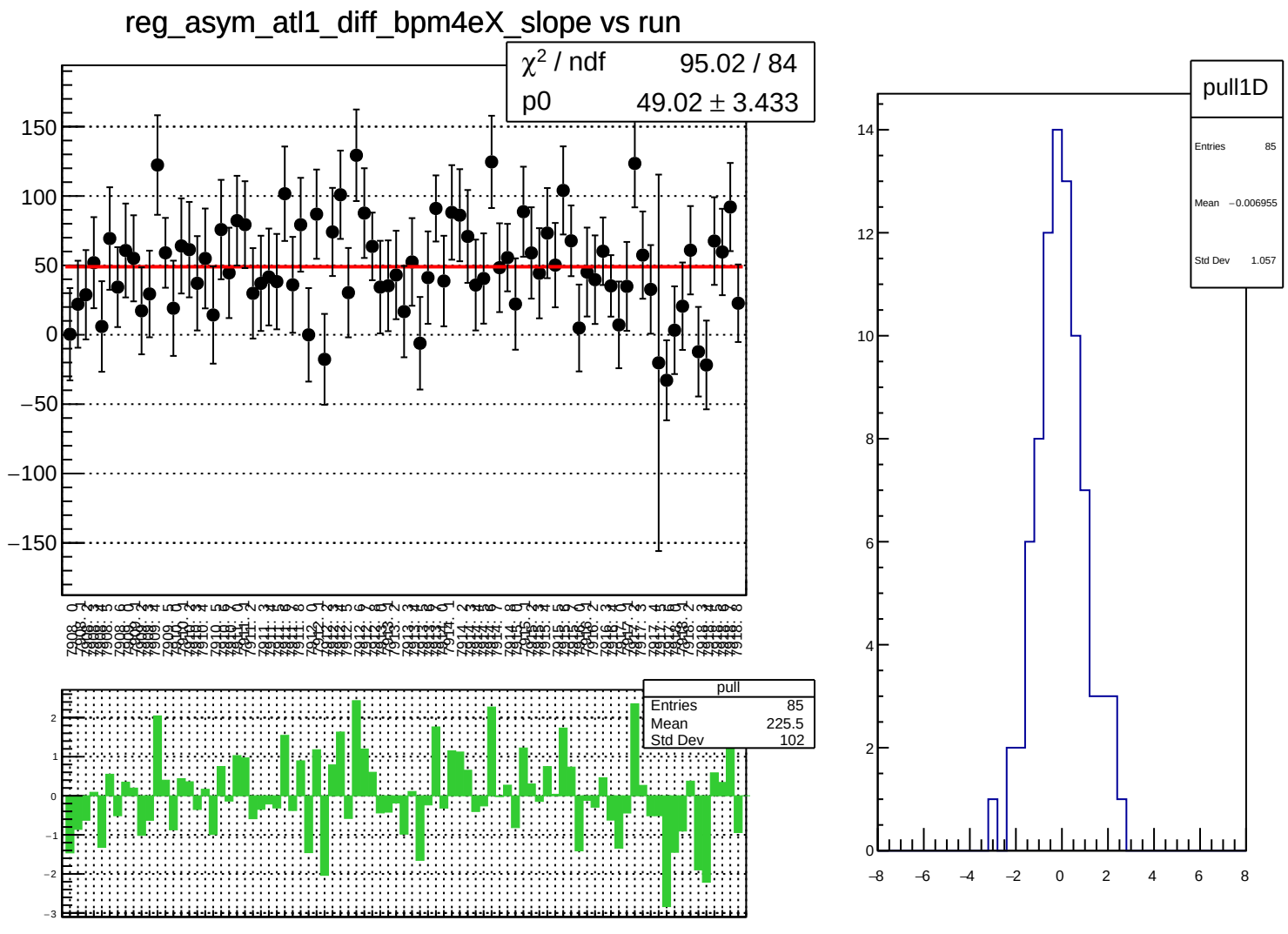

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.612 / 84
p0 8.208 ± 3.695
pull
Entries 85
Mean −17.27
Std Dev 83.25
pull1D
Entries 85
Mean −0.01367
Std Dev 0.2057

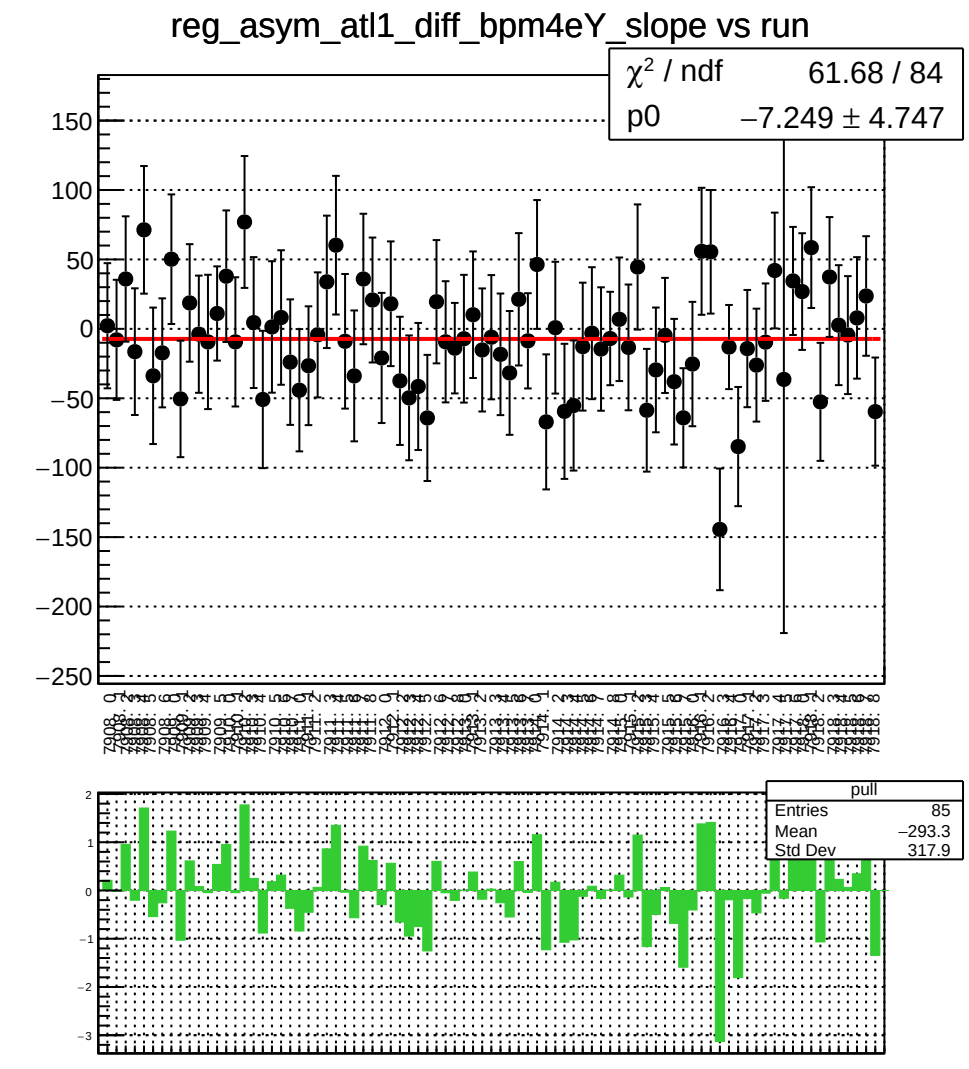

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 20.45 / 84
p0 −1.232 ± 0.1107
pull
Entries 85
Mean −91.6
Std Dev 141.2
pull1D
Entries 85
Mean −0.05167
Std Dev 0.4877

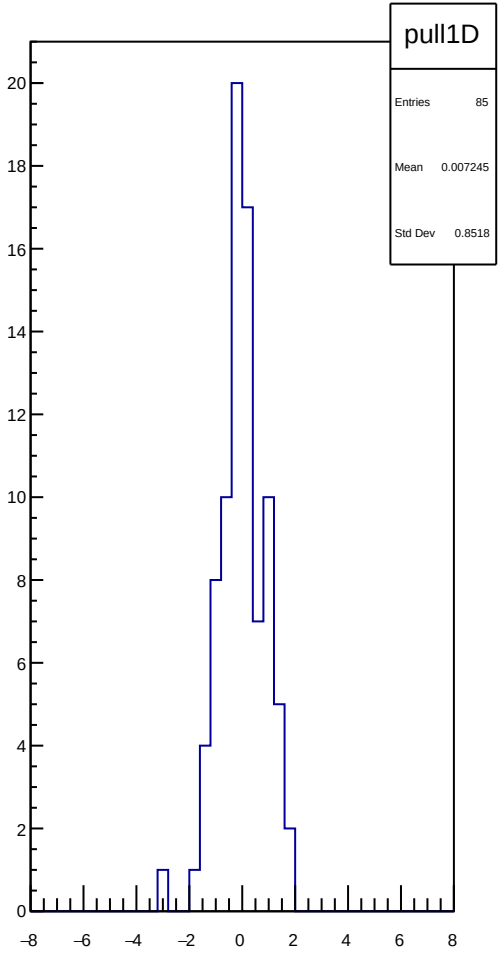

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 94.74 / 84
p0 −16.04 ± 4.043
pull
Entries 85
Mean 425.5
Std Dev 301.9
pull1D
Entries 85
Mean 0.002762
Std Dev 1.056

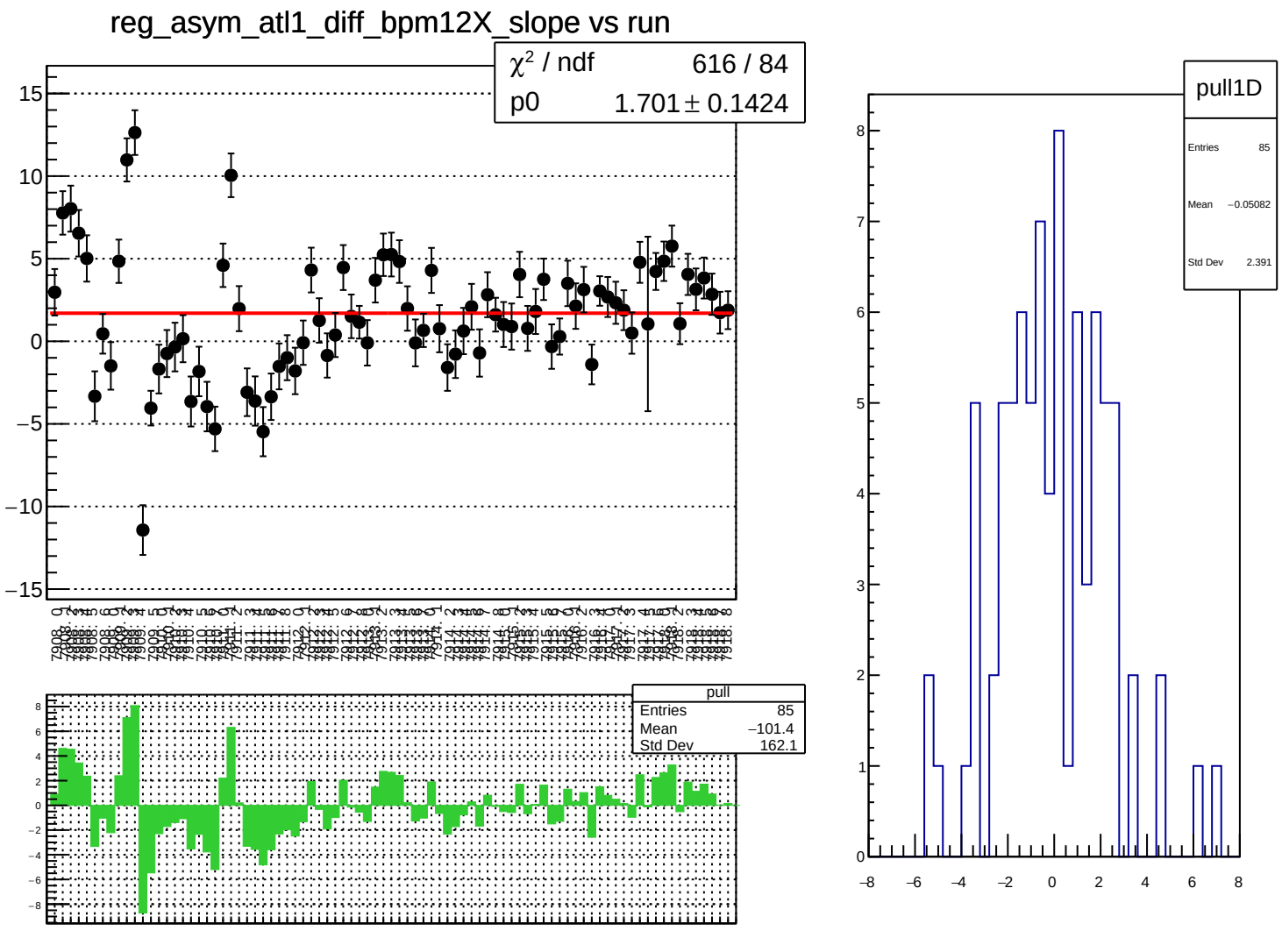

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.15 / 84
p0 22.19 ± 4.08
pull
Entries 85
Mean 6841
Std Dev 6760

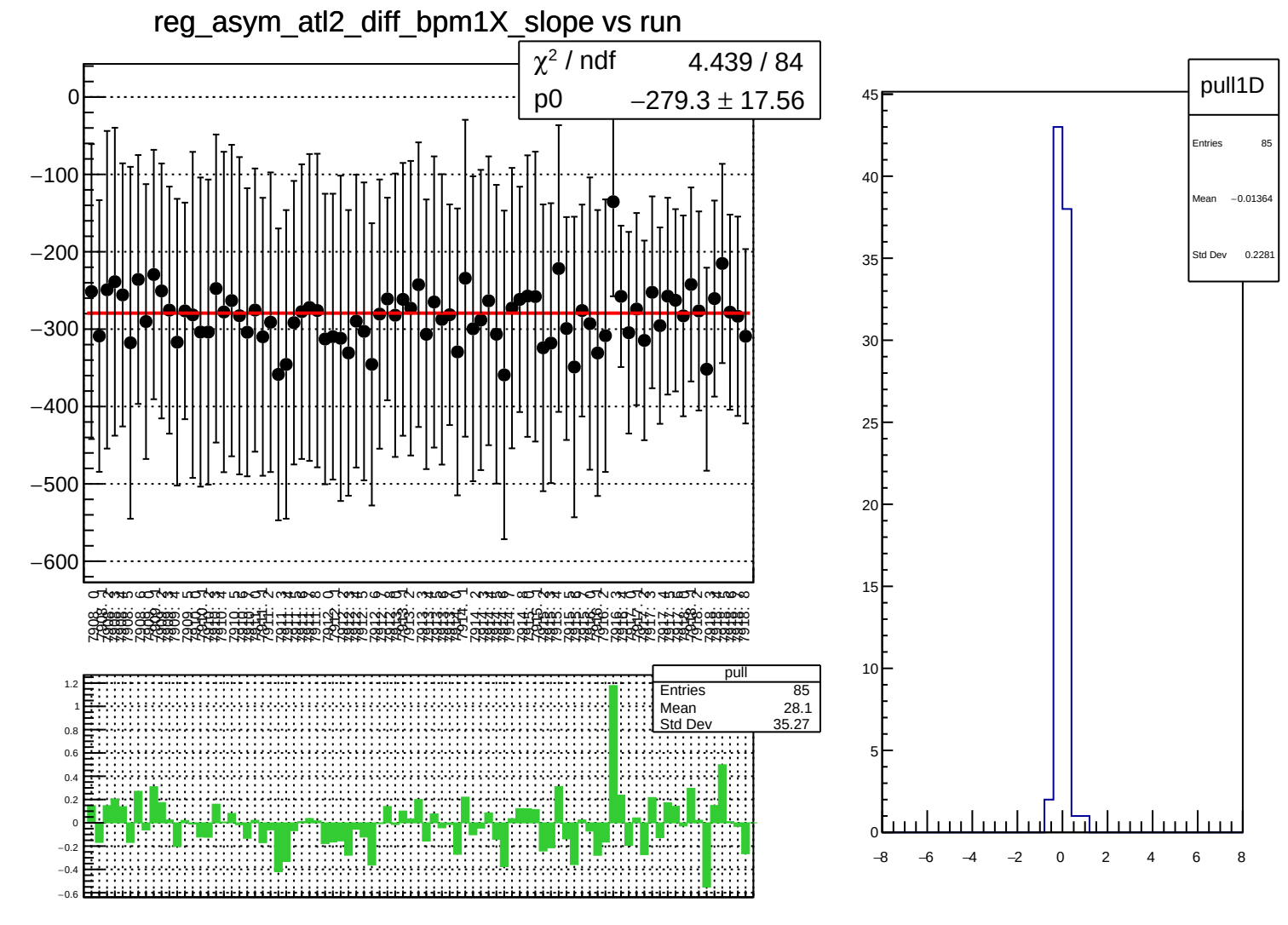

pull1D
Entries 85
Mean −0.0002358
Std Dev 0.862

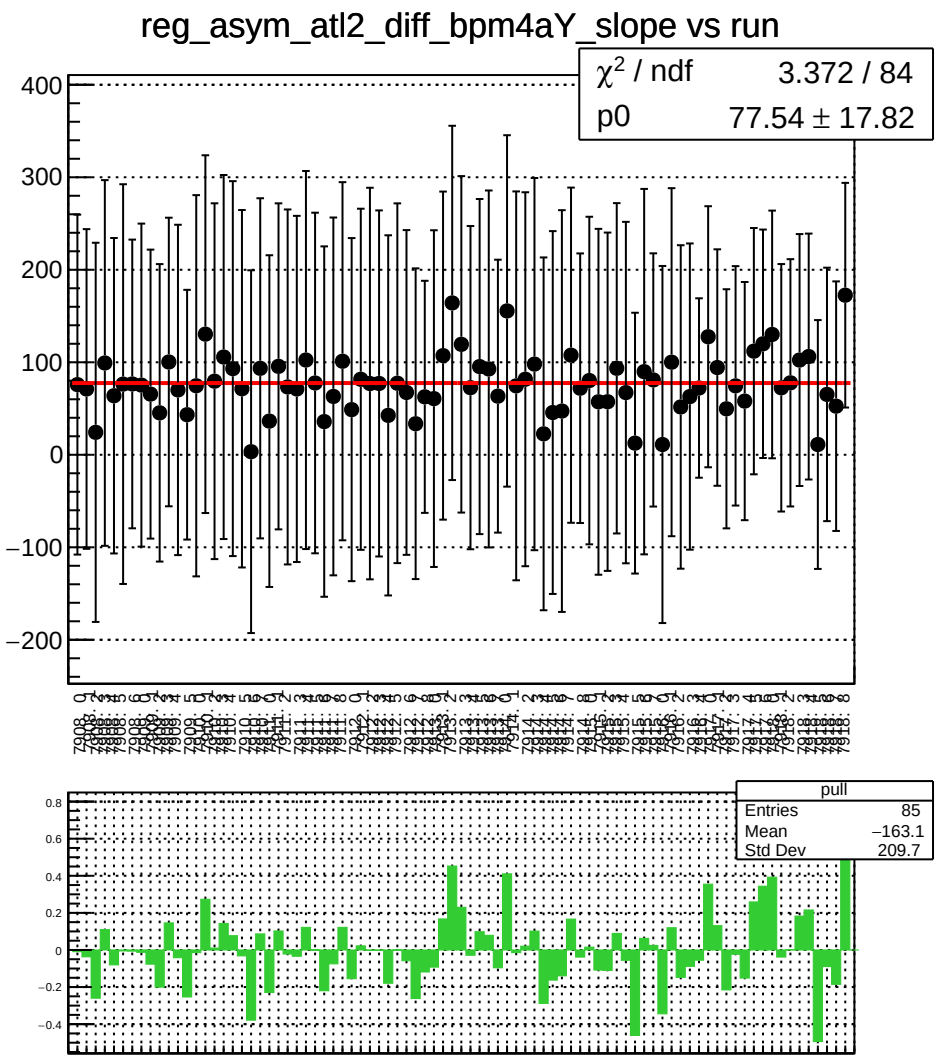

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 95.02 / 84
p0 49.02 ± 3.433
pull
Entries 85
Mean 225.5
Std Dev 102
pull1D
Entries 85
Mean −0.006955
Std Dev 1.057

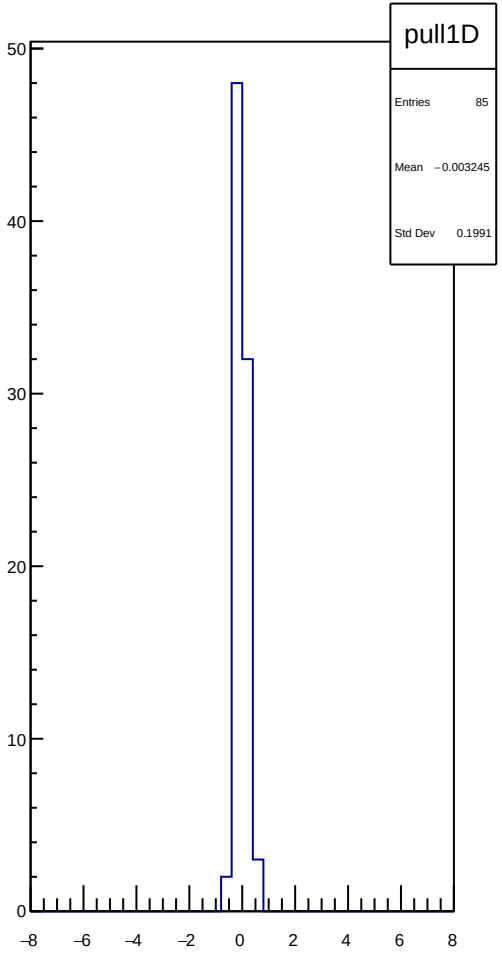

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 61.68 / 84
p0 −7.249 ± 4.747
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 85
Mean −293.3
Std Dev 317.9
2
1
0
−1
−2
−3

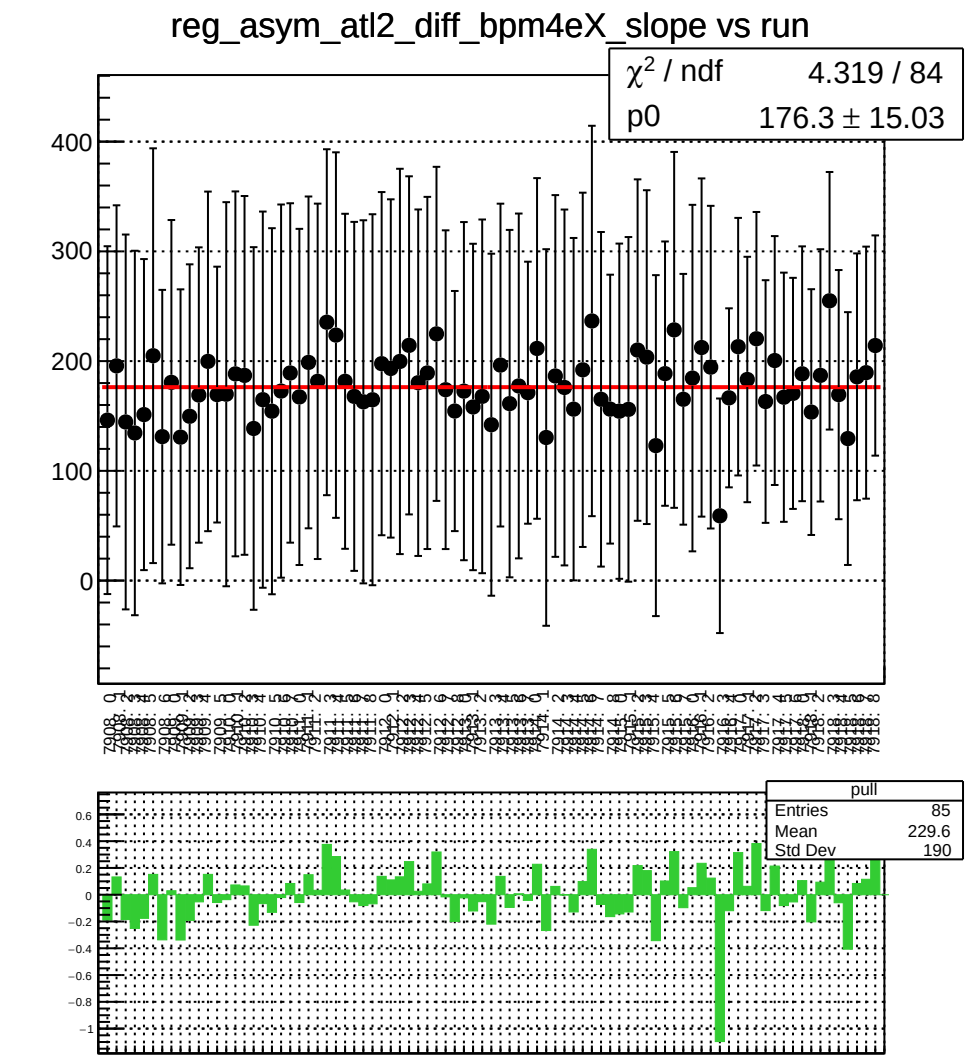

pull1D
Entries 85
Mean 0.007245
Std Dev 0.8518
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

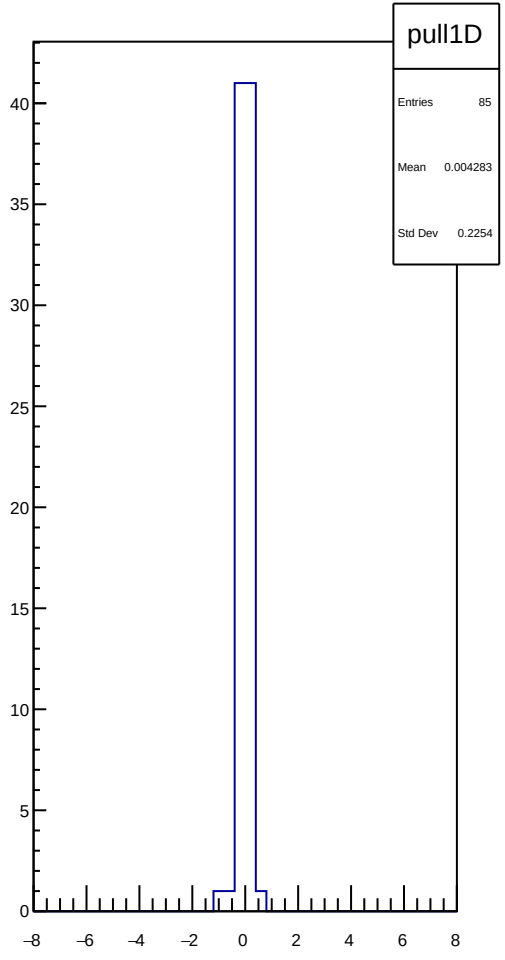

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 616 / 84
p0 1.701 ± 0.1424
pull
Entries 85
Mean −101.4
Std Dev 162.1
pull1D
Entries 85
Mean −0.05082
Std Dev 2.391

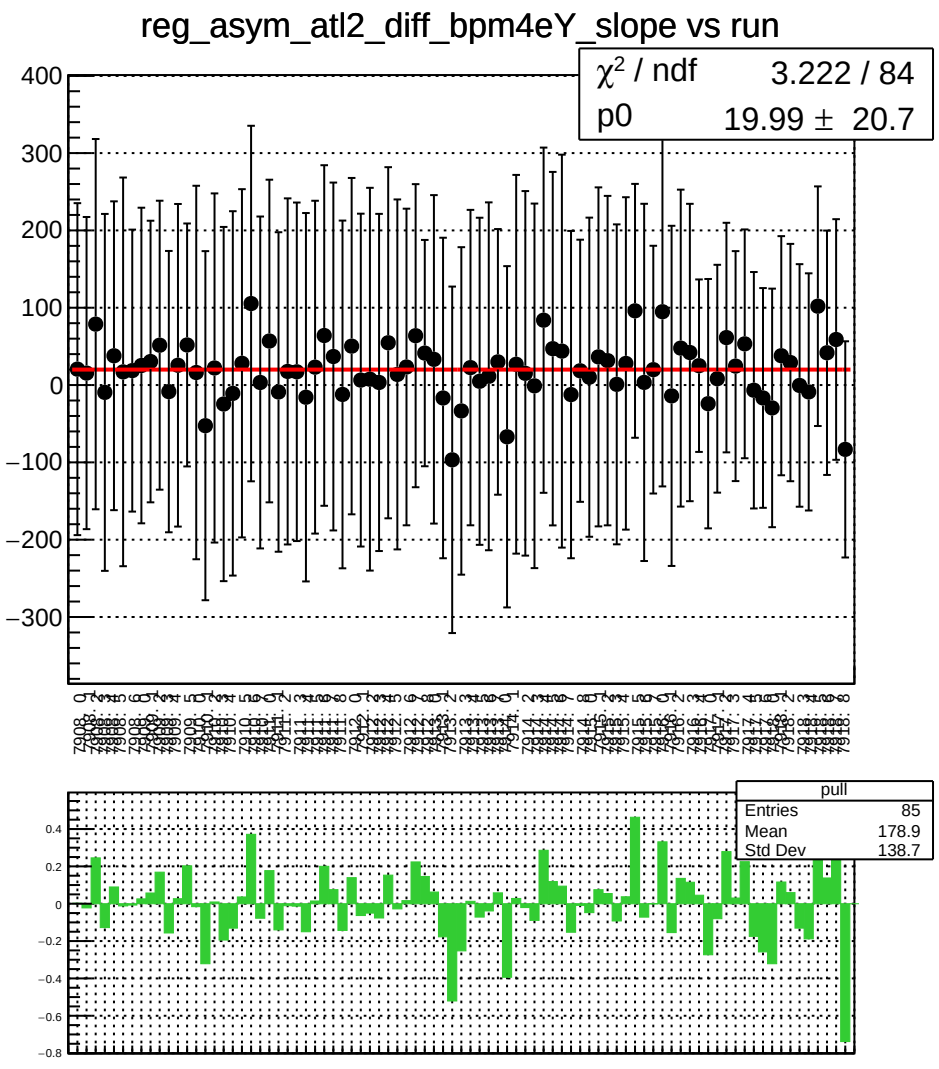

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 4.439 / 84
p0 −279.3 ± 17.56
pull
Entries 85
Mean 28.1
Std Dev 35.27
pull1D
Entries 85
Mean −0.01364
Std Dev 0.2281

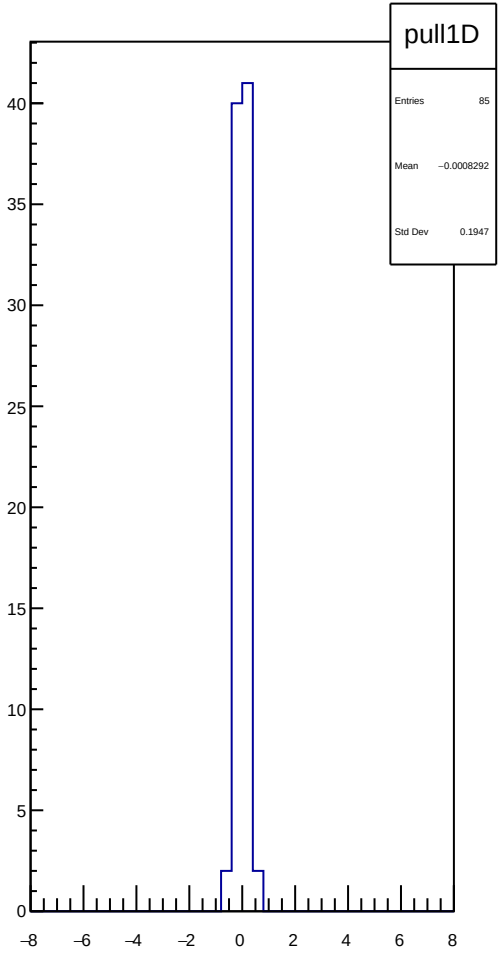

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.372 / 84
p0 77.54 ± 17.82
pull
Entries 85
Mean −163.1
Std Dev 209.7

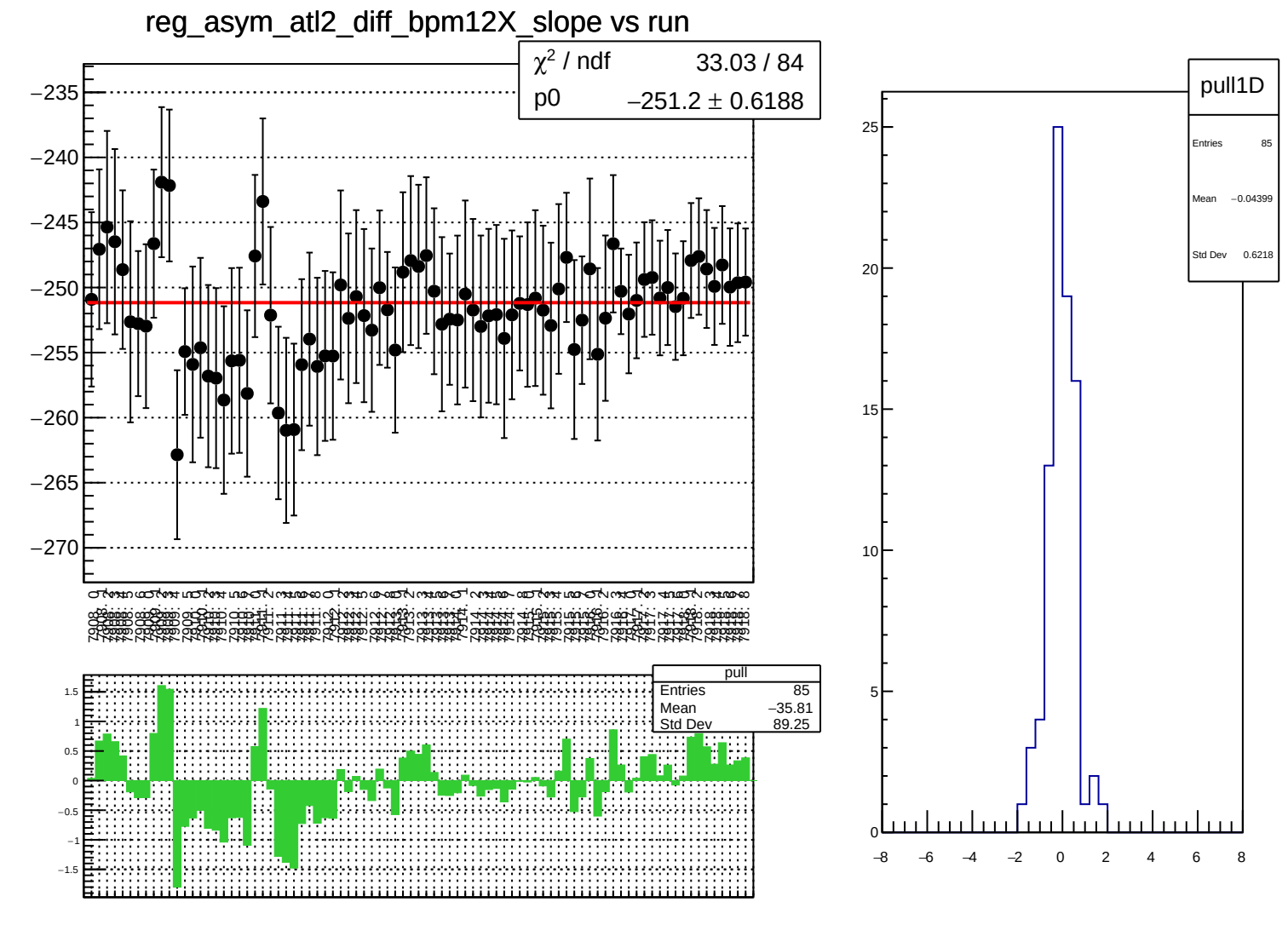

pull1D
Entries 85
Mean −0.003245
Std Dev 0.1991

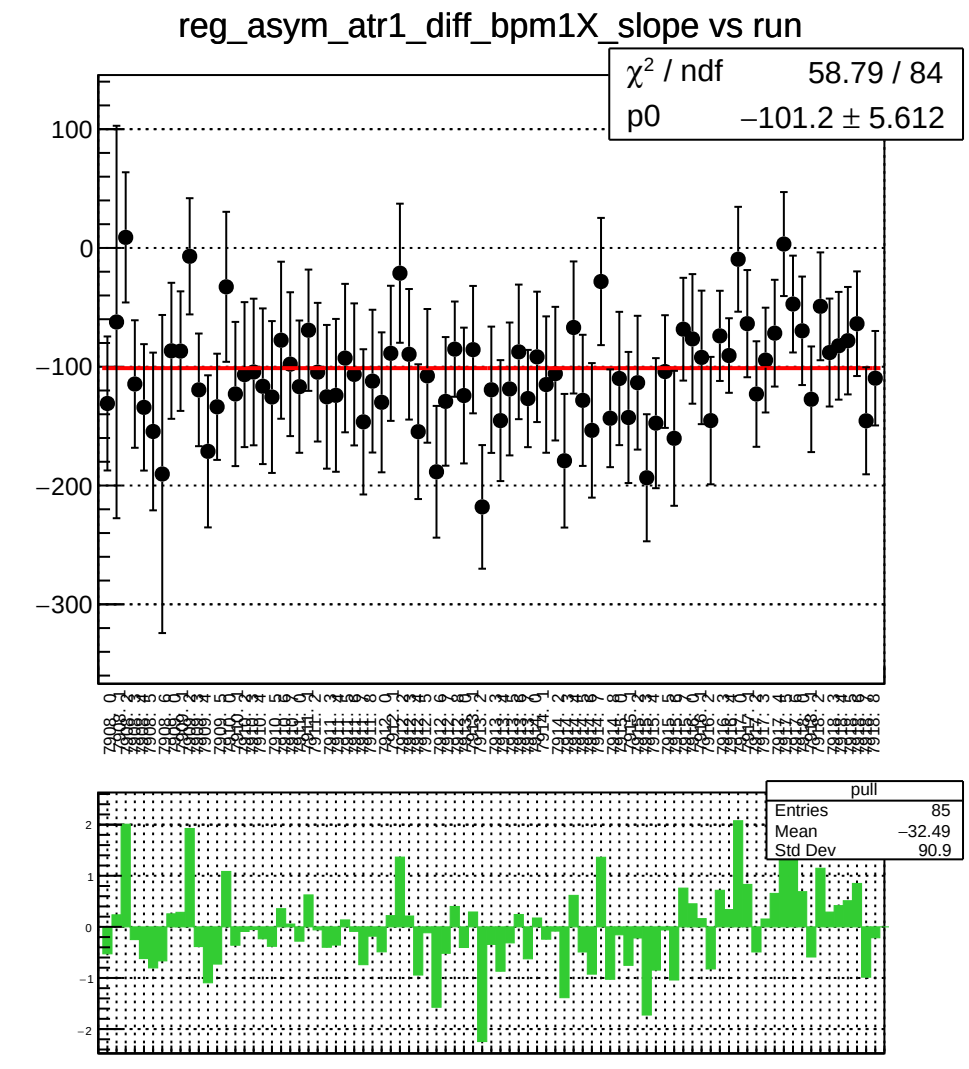

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 4.319 / 84
p0 176.3 ± 15.03
400
300
200
100
0
pull
Entries 85
Mean 229.6
Std Dev 190
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

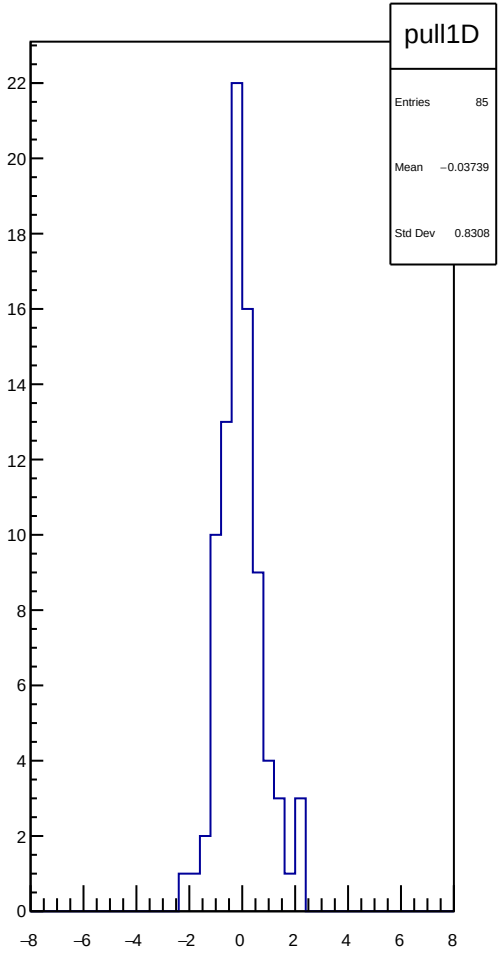

pull1D
Entries 85
Mean 0.004283
Std Dev 0.2254
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

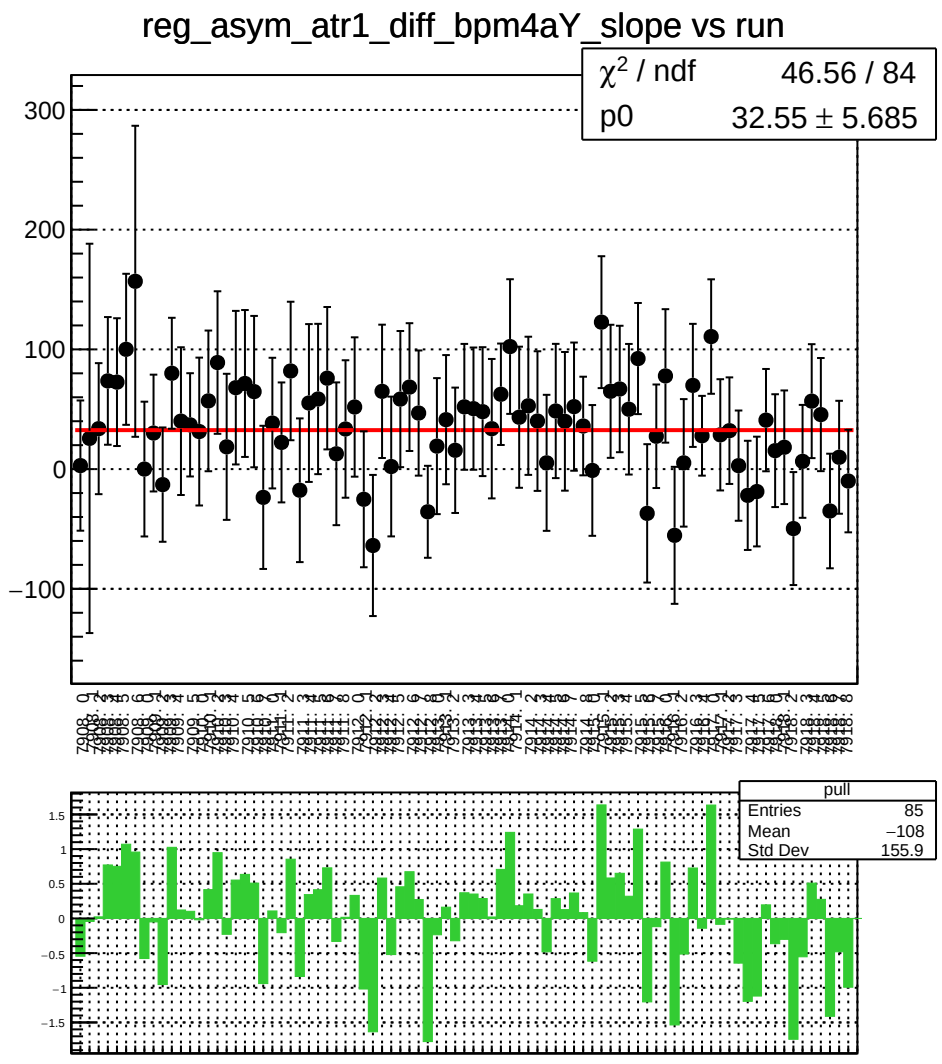

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.222 / 84
p0 19.99 ± 20.7
pull
Entries 85
Mean 178.9
Std Dev 138.7

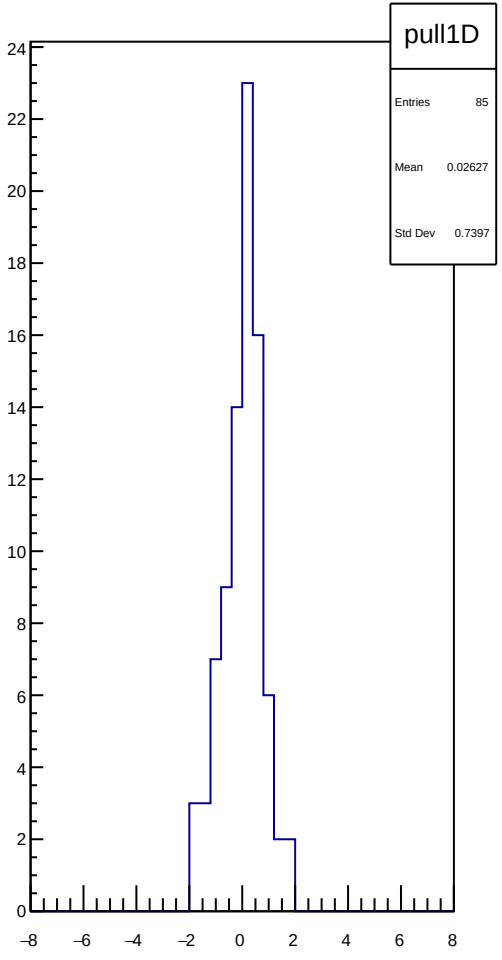

pull1D
Entries 85
Mean −0.0008292
Std Dev 0.1947

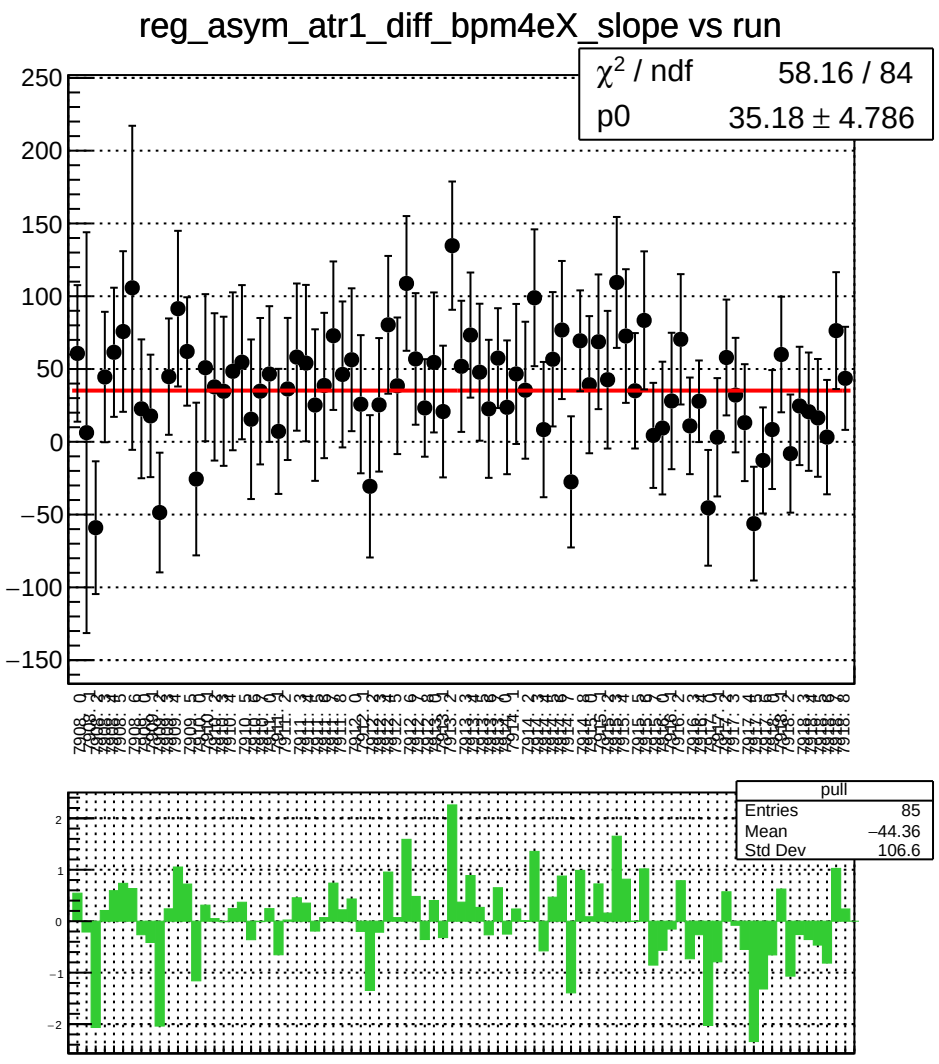

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 33.03 / 84
p0 −251.2 ± 0.6188
pull
Entries 85
Mean −35.81
Std Dev 89.25
pull1D
Entries 85
Mean −0.04399
Std Dev 0.6218

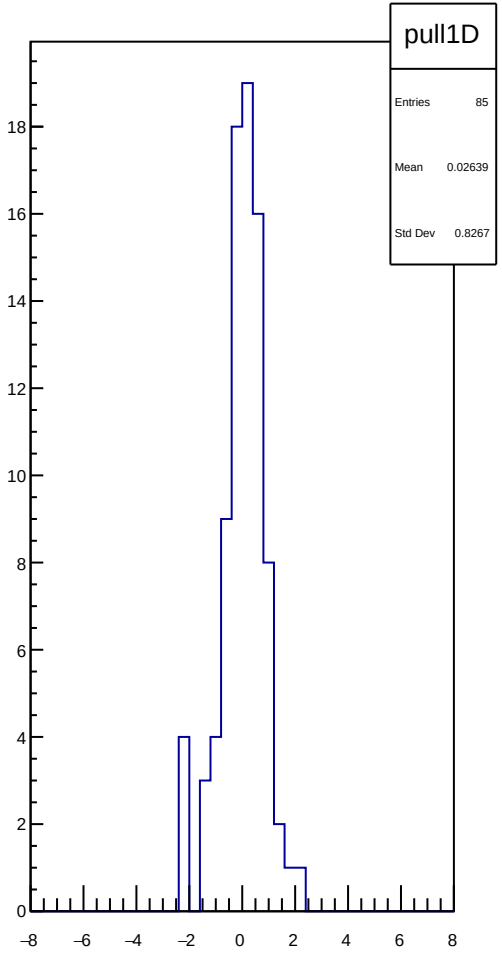

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 58.79 / 84
p0 −101.2 ± 5.612
pull
Entries 85
Mean −32.49
Std Dev 90.9

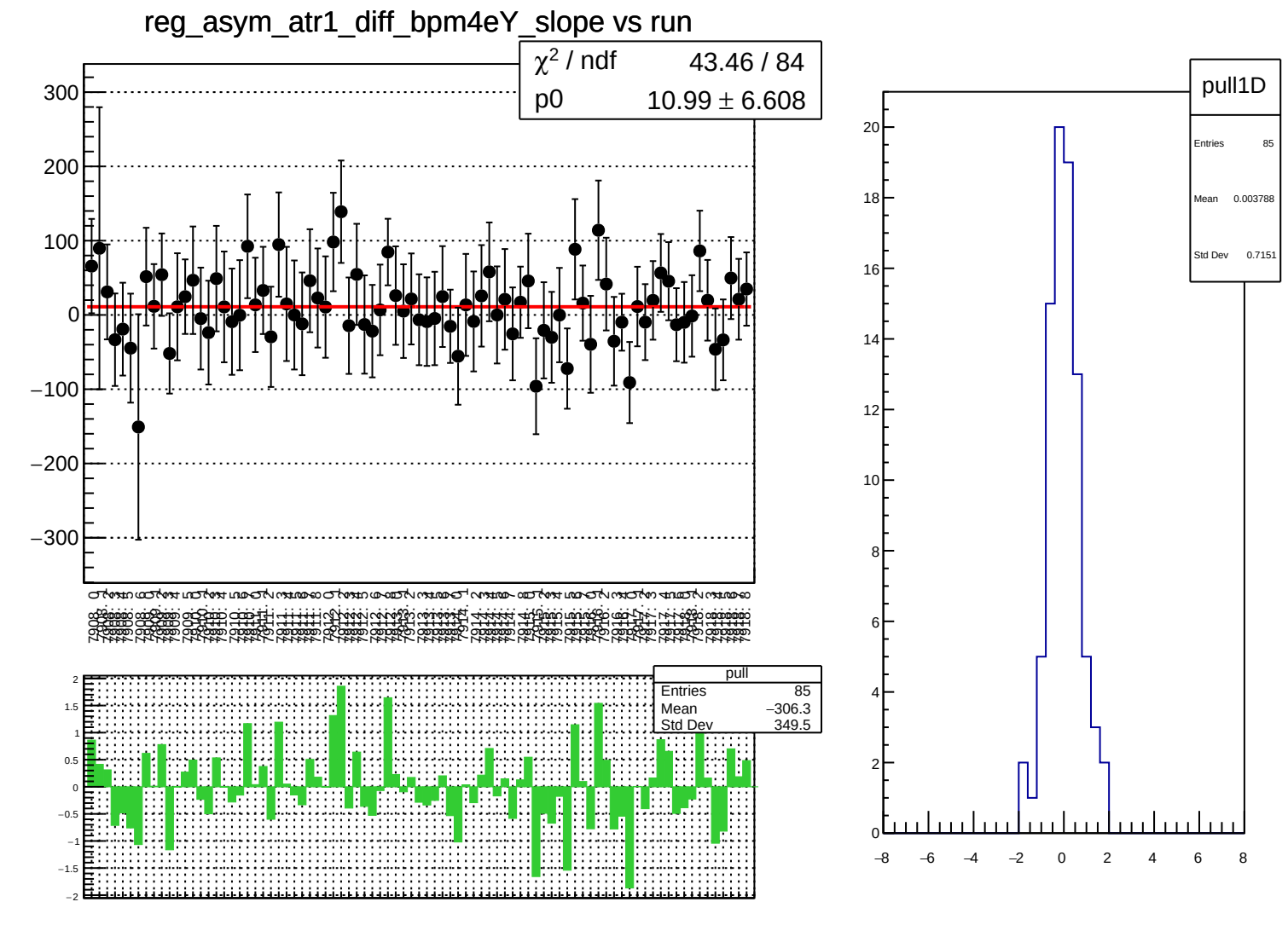

pull1D
Entries 85
Mean −0.03739
Std Dev 0.8308

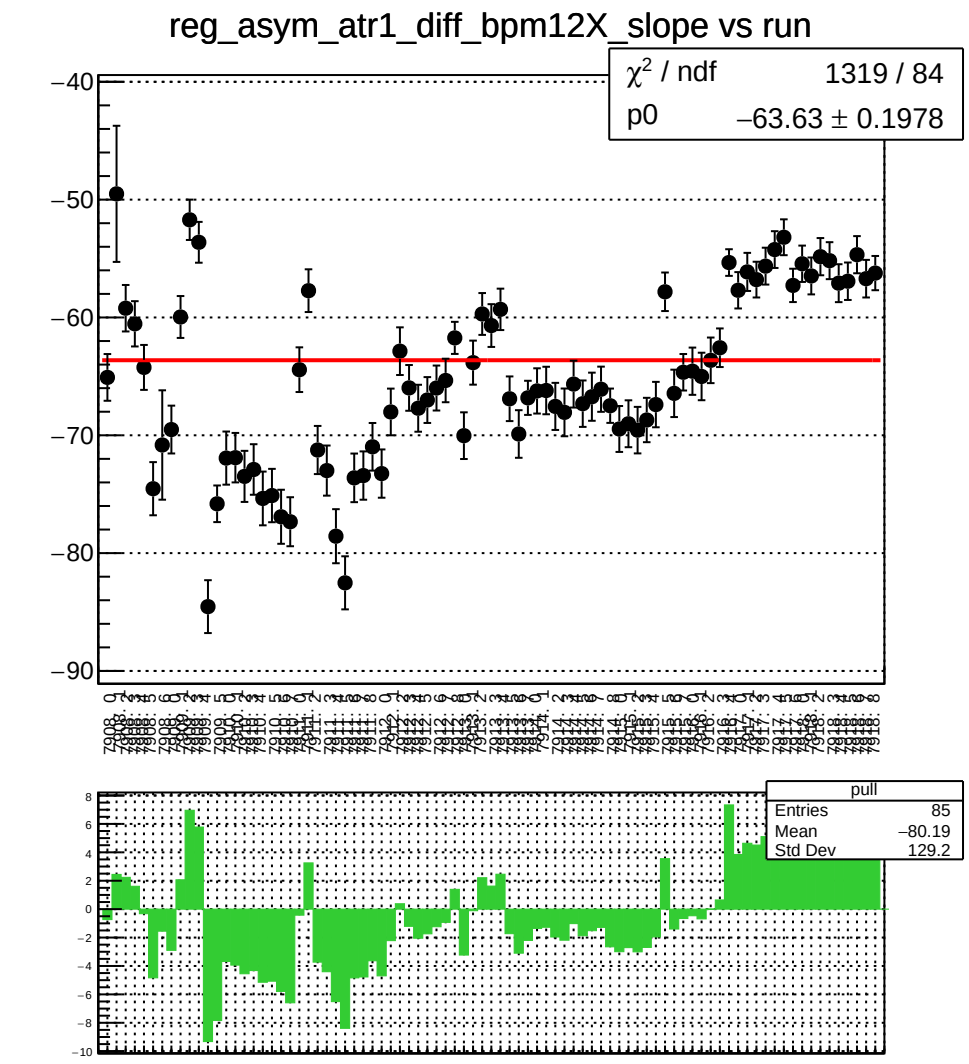

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 46.56 / 84
p0 32.55 ± 5.685
300
200
100
0
−100
pull
Entries 85
Mean −108
Std Dev 155.9
1.5
1
0.5
0
−0.5
−1
−1.5

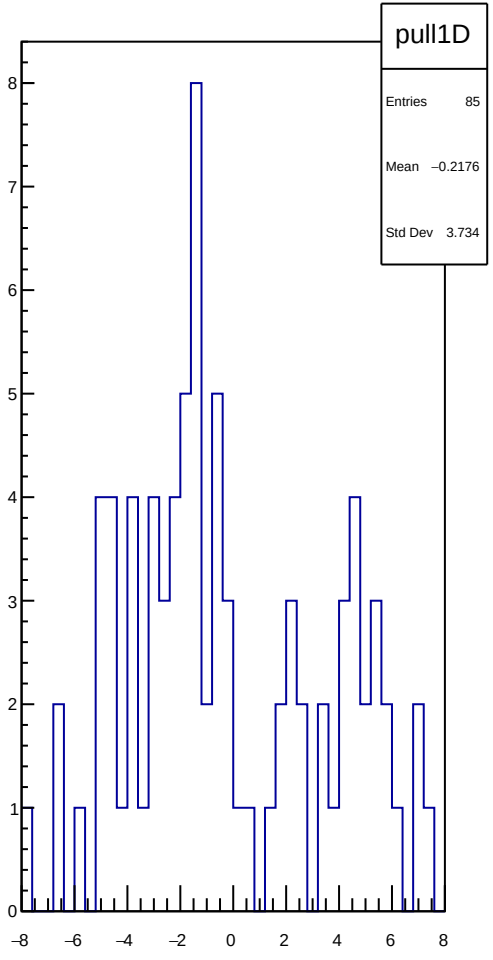

pull1D
Entries 85
Mean 0.02627
Std Dev 0.7397
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

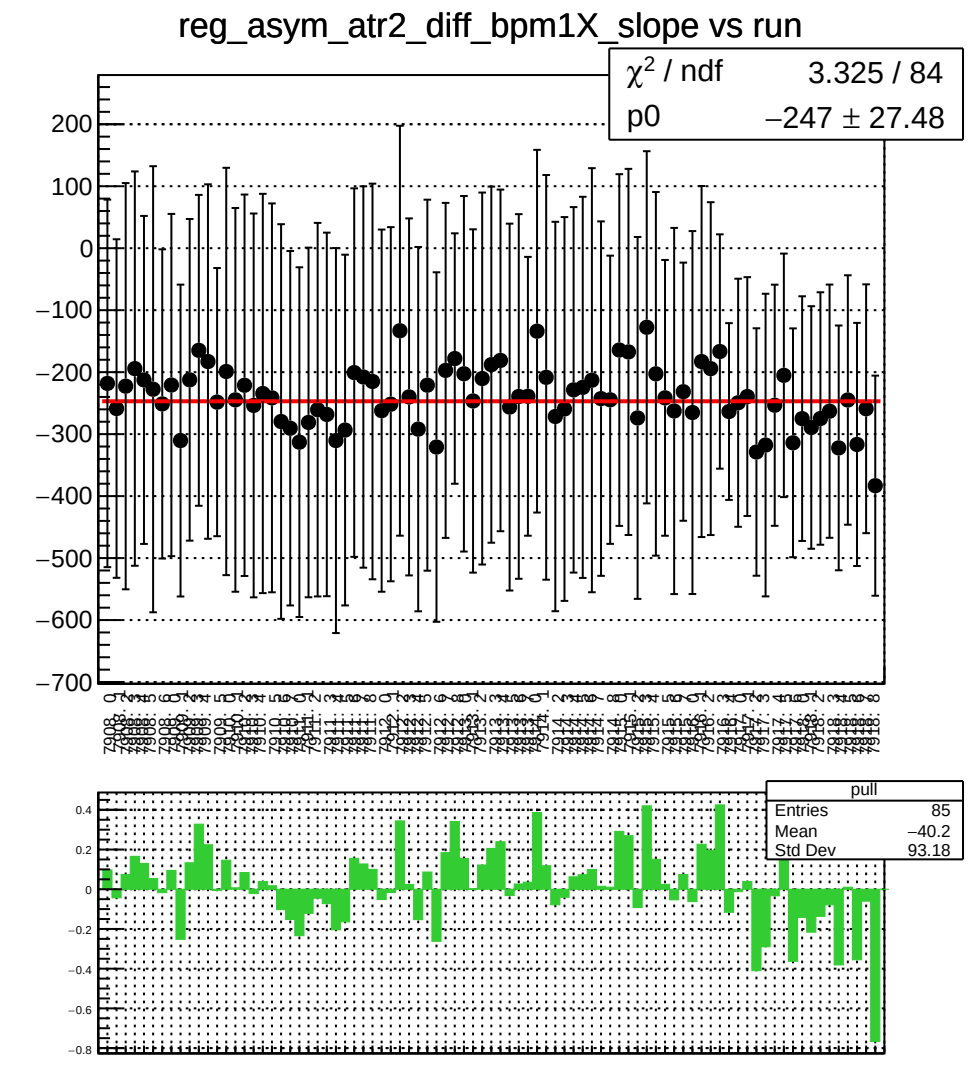

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 58.16 / 84
p0 35.18 ± 4.786
pull
Entries 85
Mean −44.36
Std Dev 106.6

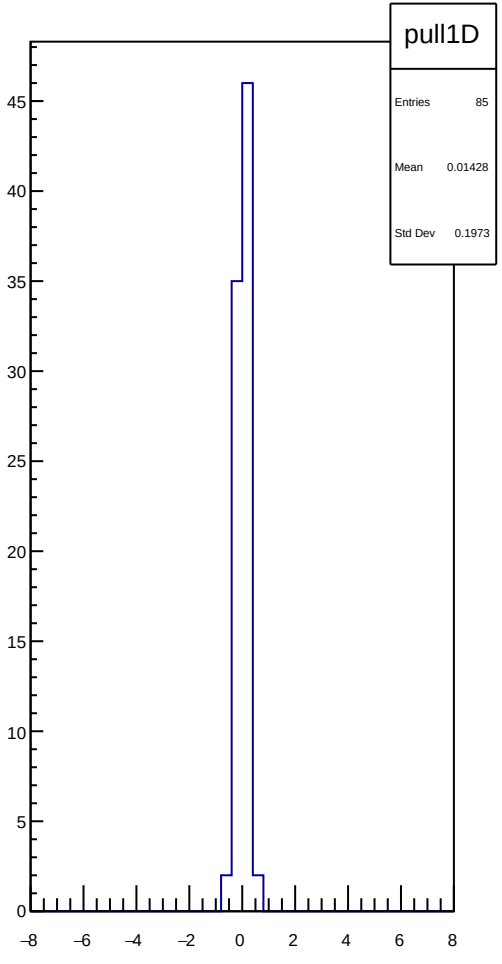

pull1D
Entries 85
Mean 0.02639
Std Dev 0.8267

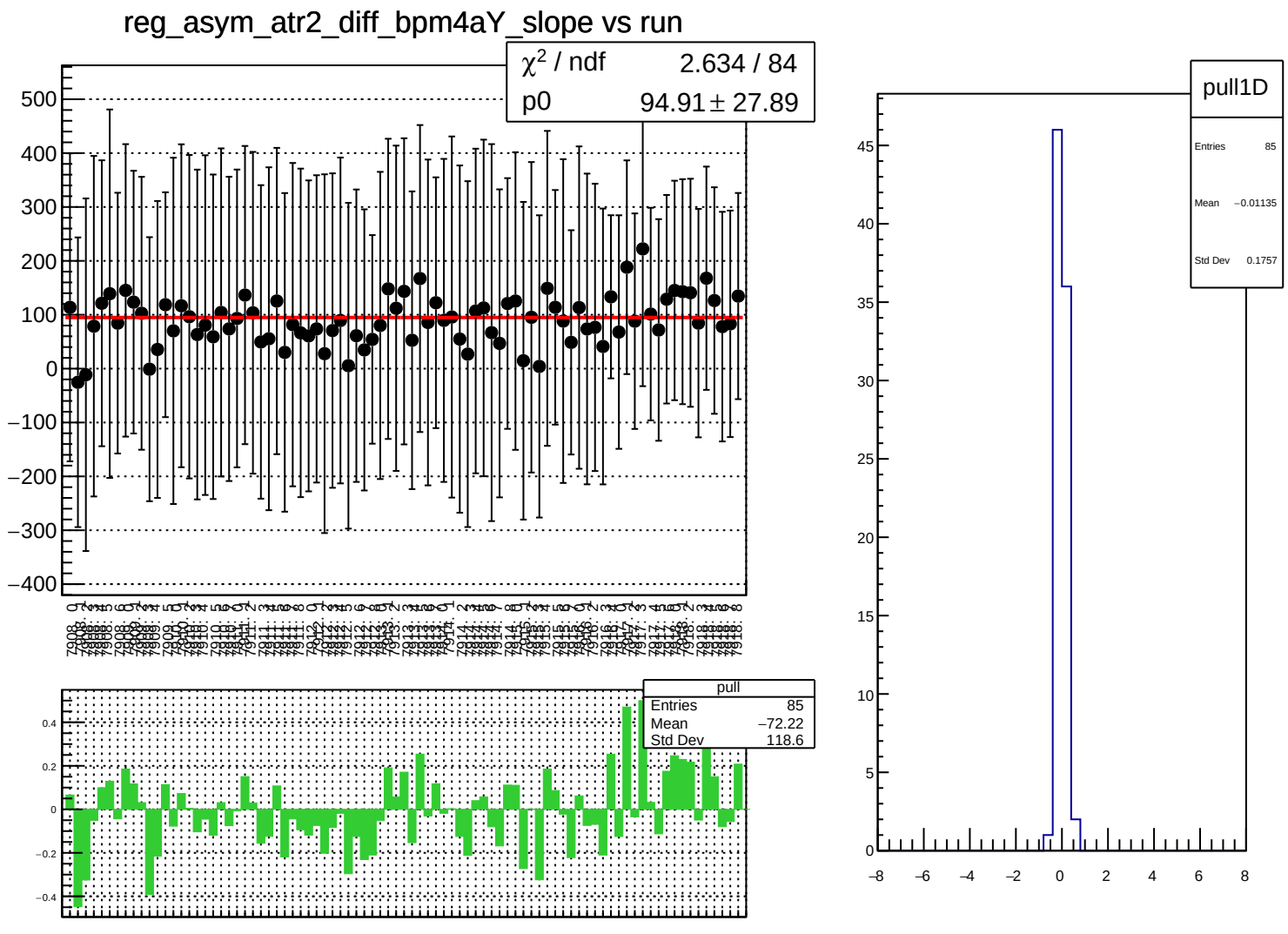

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.46 / 84
p0 10.99 ± 6.608
pull
Entries 85
Mean −306.3
Std Dev 349.5
pull1D
Entries 85
Mean 0.003788
Std Dev 0.7151

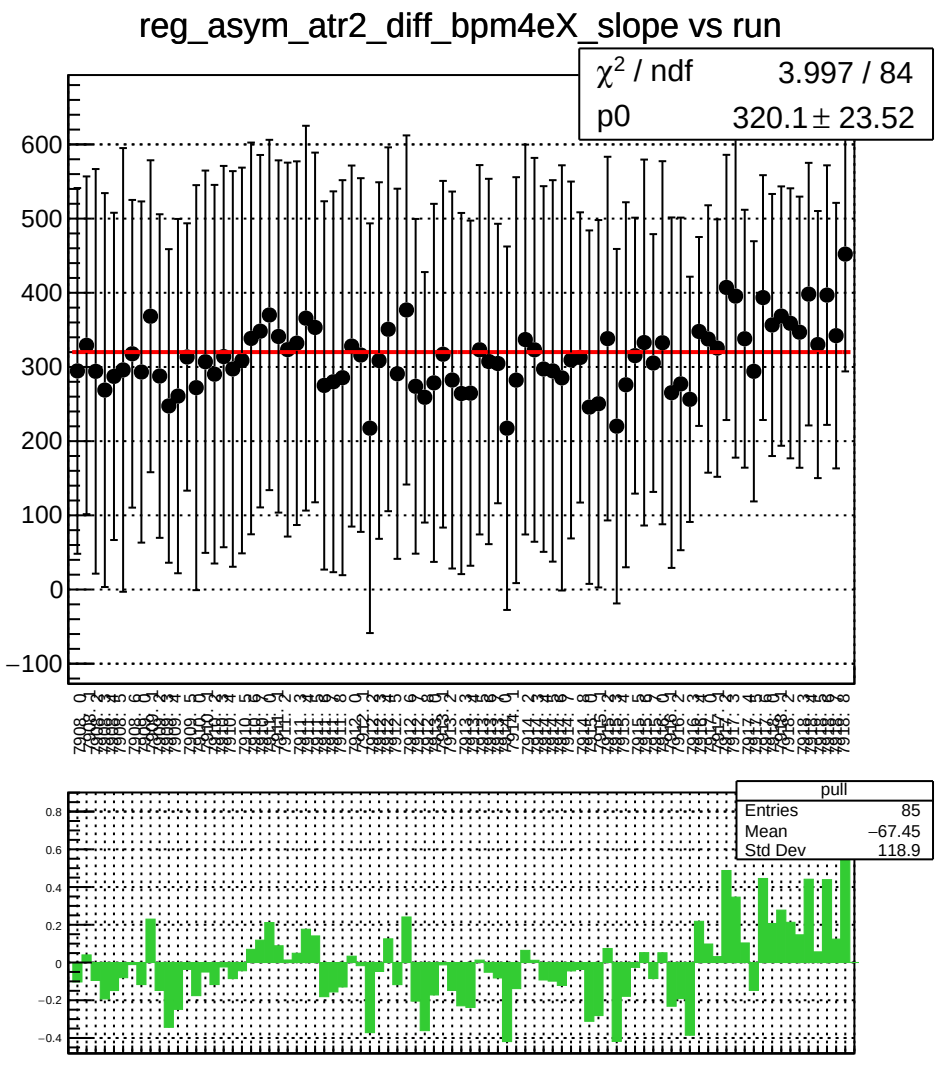

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1319 / 84
p0 −63.63 ± 0.1978
pull
Entries 85
Mean −80.19
Std Dev 129.2

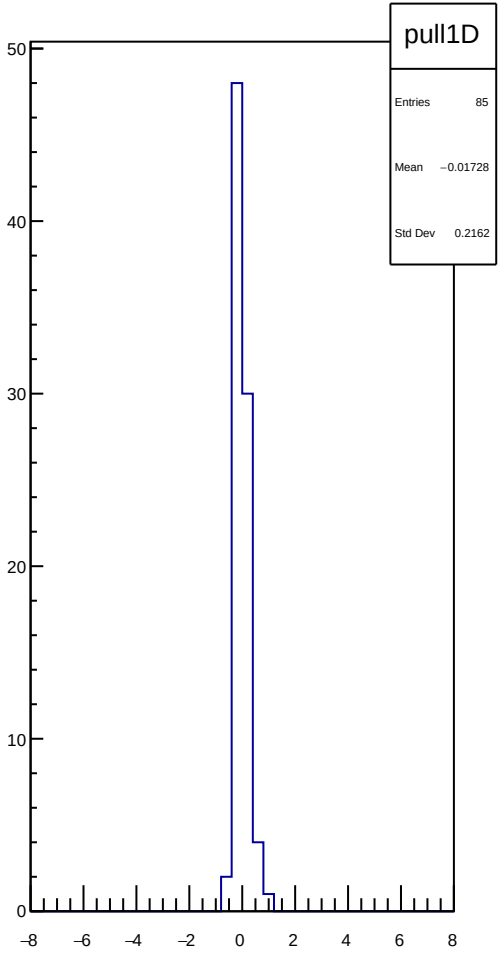

pull1D
Entries 85
Mean −0.2176
Std Dev 3.734

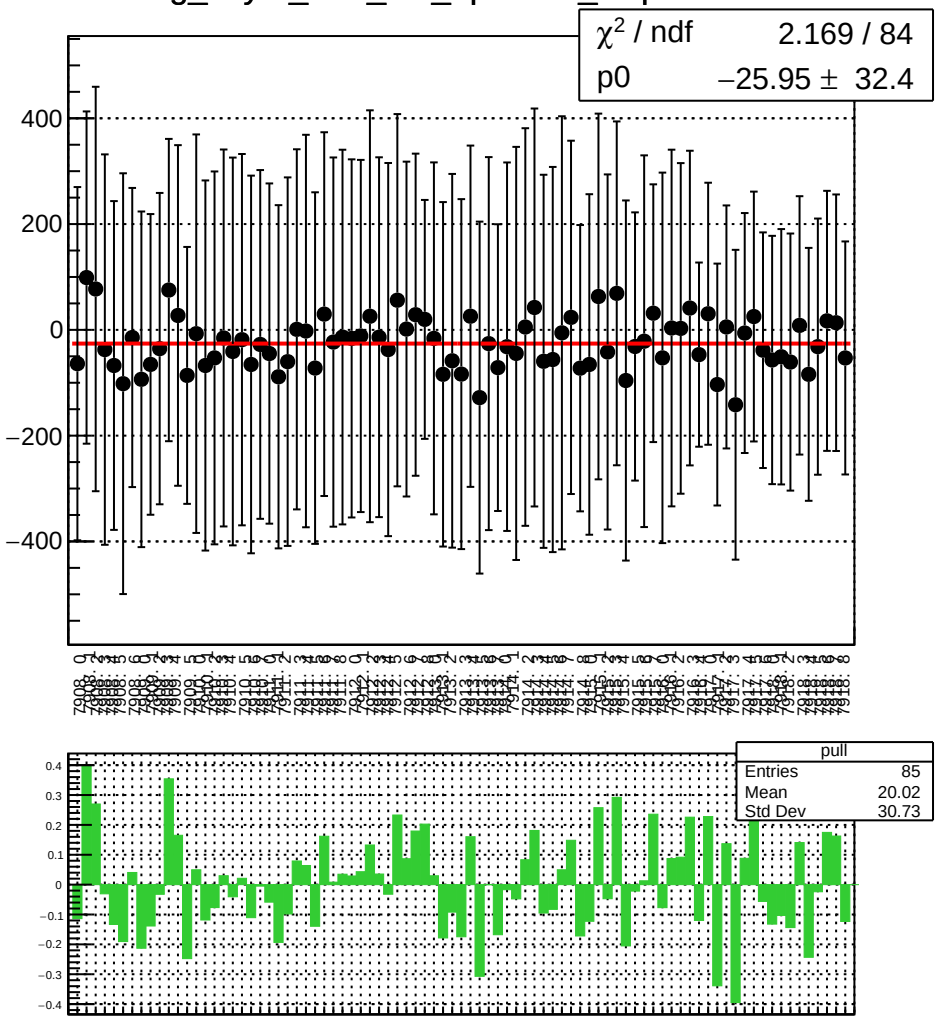

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 3.325 / 84
p0 −247 ± 27.48
pull
Entries 85
Mean −40.2
Std Dev 93.18

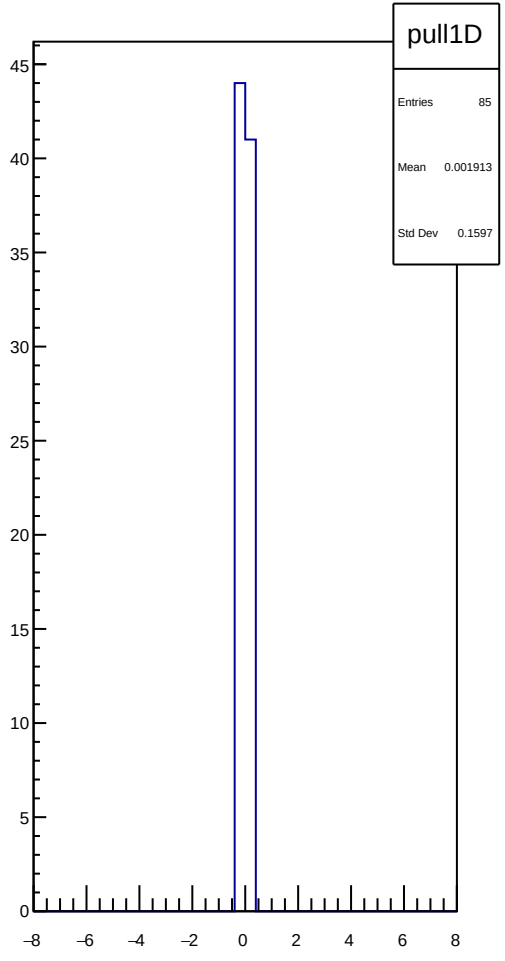

pull1D
Entries 85
Mean 0.01428
Std Dev 0.1973

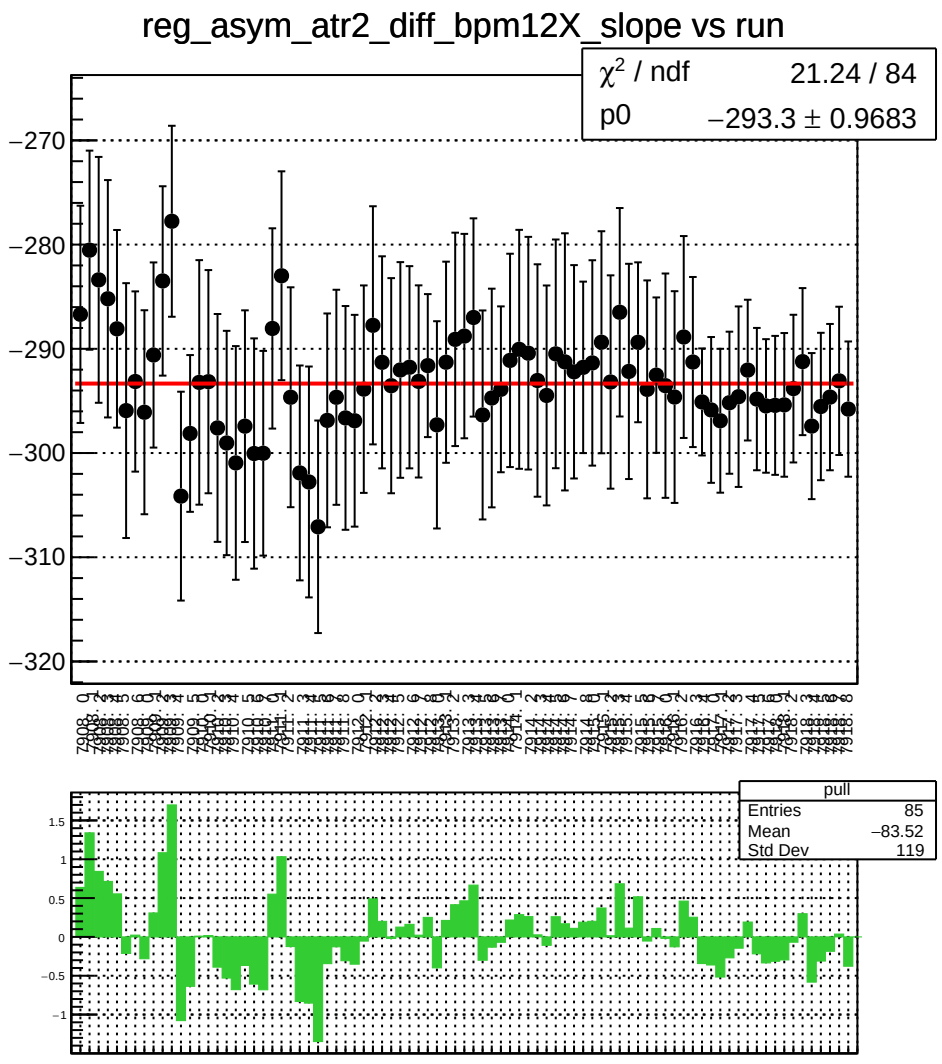

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.634 / 84
p0 94.91 ± 27.89
pull
Entries 85
Mean −72.22
Std Dev 118.6
pull1D
Entries 85
Mean −0.01135
Std Dev 0.1757

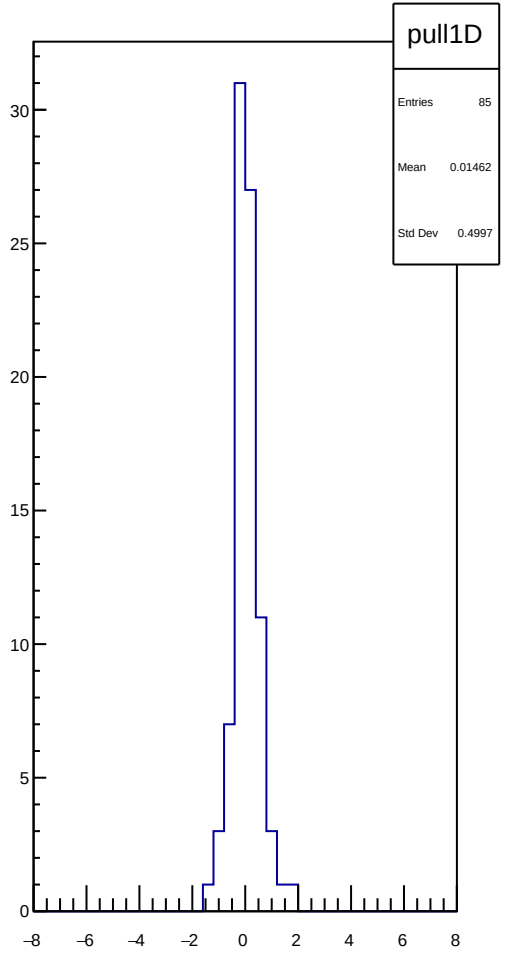

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 3.997 / 84
p0 320.1 ± 23.52
pull
Entries 85
Mean −67.45
Std Dev 118.9

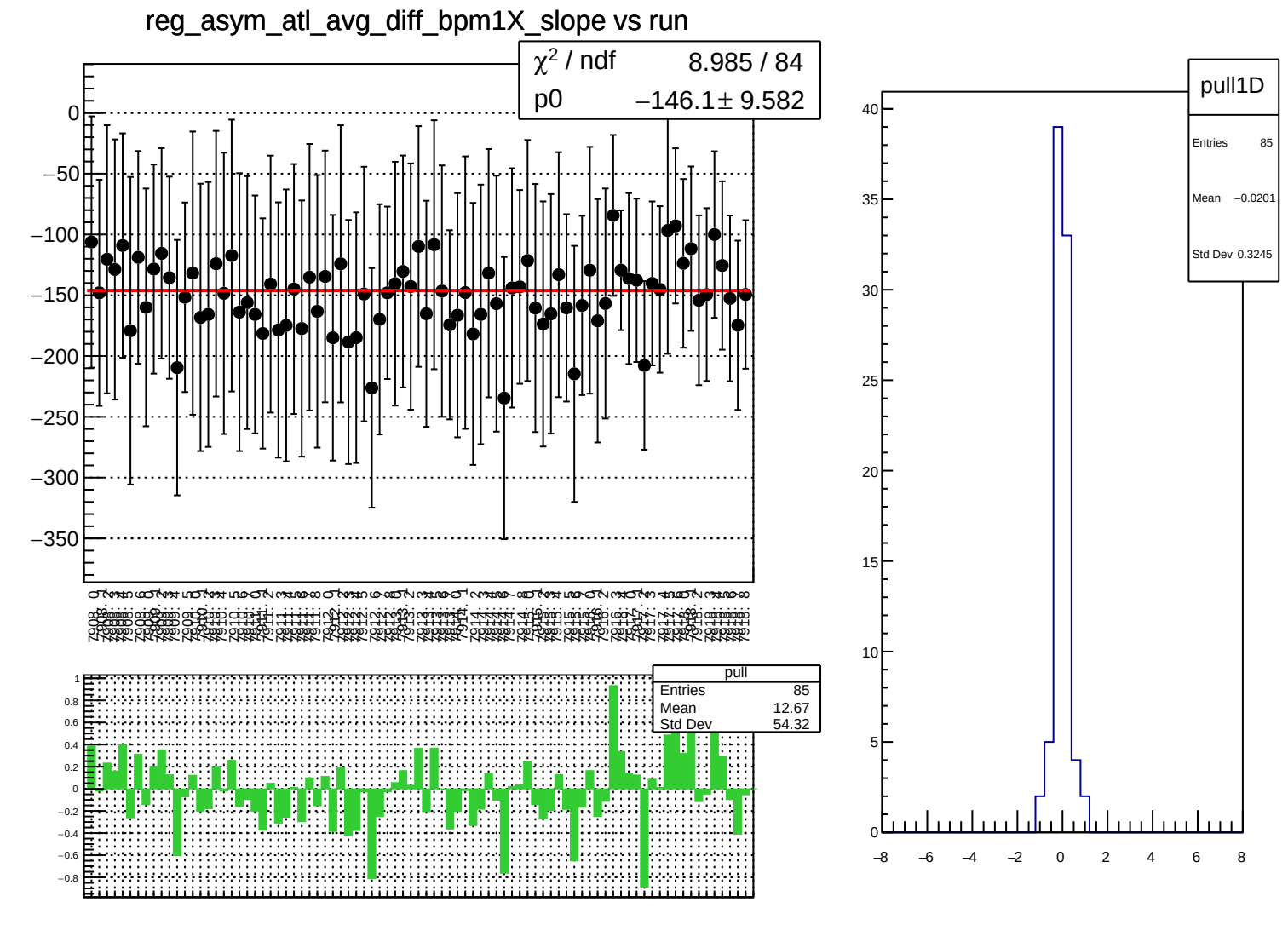

pull1D
Entries 85
Mean −0.01728
Std Dev 0.2162

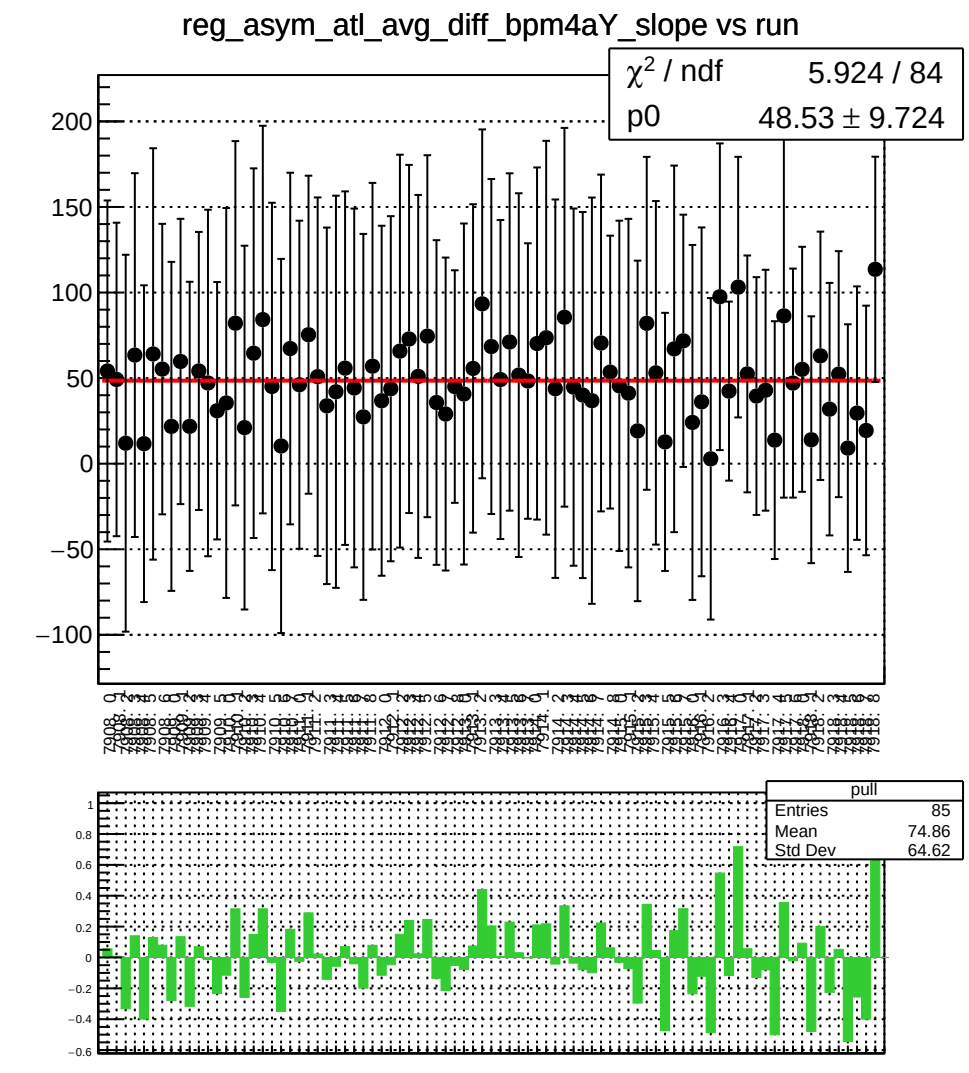

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.169 / 84
p0 −25.95 ± 32.4
400
200
0
−200
−400
pull
Entries 85
Mean 20.02
Std Dev 30.73
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

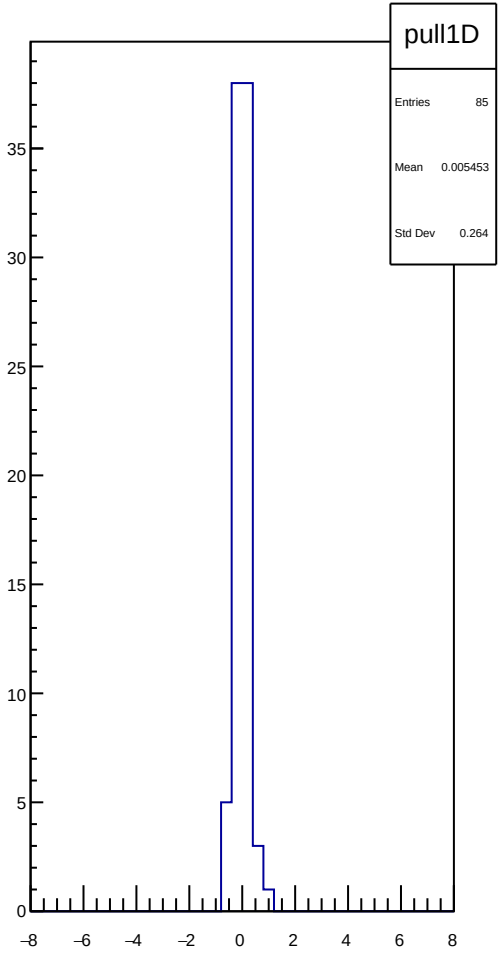

pull1D
Entries 85
Mean 0.001913
Std Dev 0.1597
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

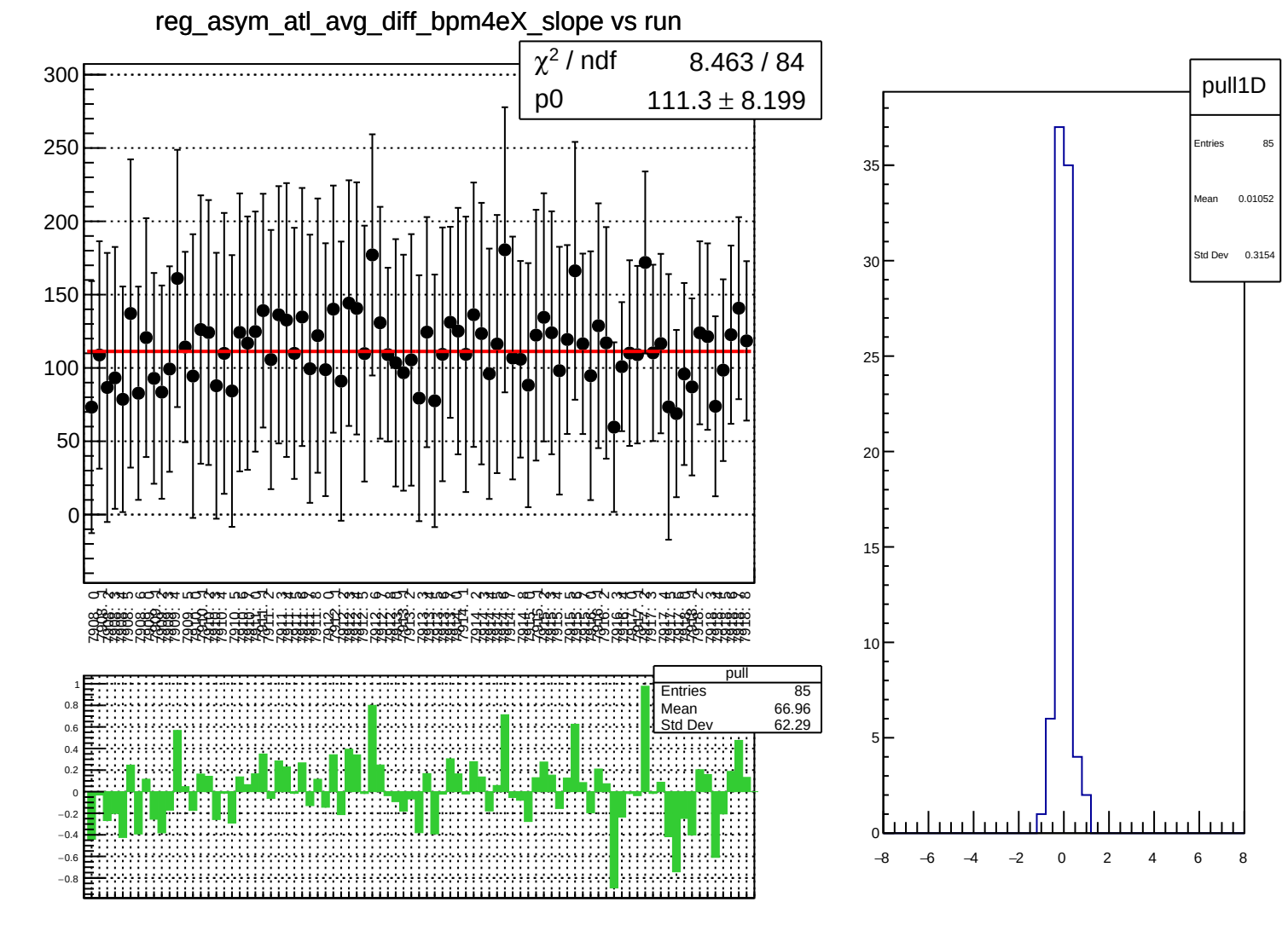

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 21.24 / 84
p0 −293.3 ± 0.9683
−270
−280
−290
−300
−310
−320
pull
Entries 85
Mean −83.52
Std Dev 119
1.5
1
0.5
0
−0.5
−1

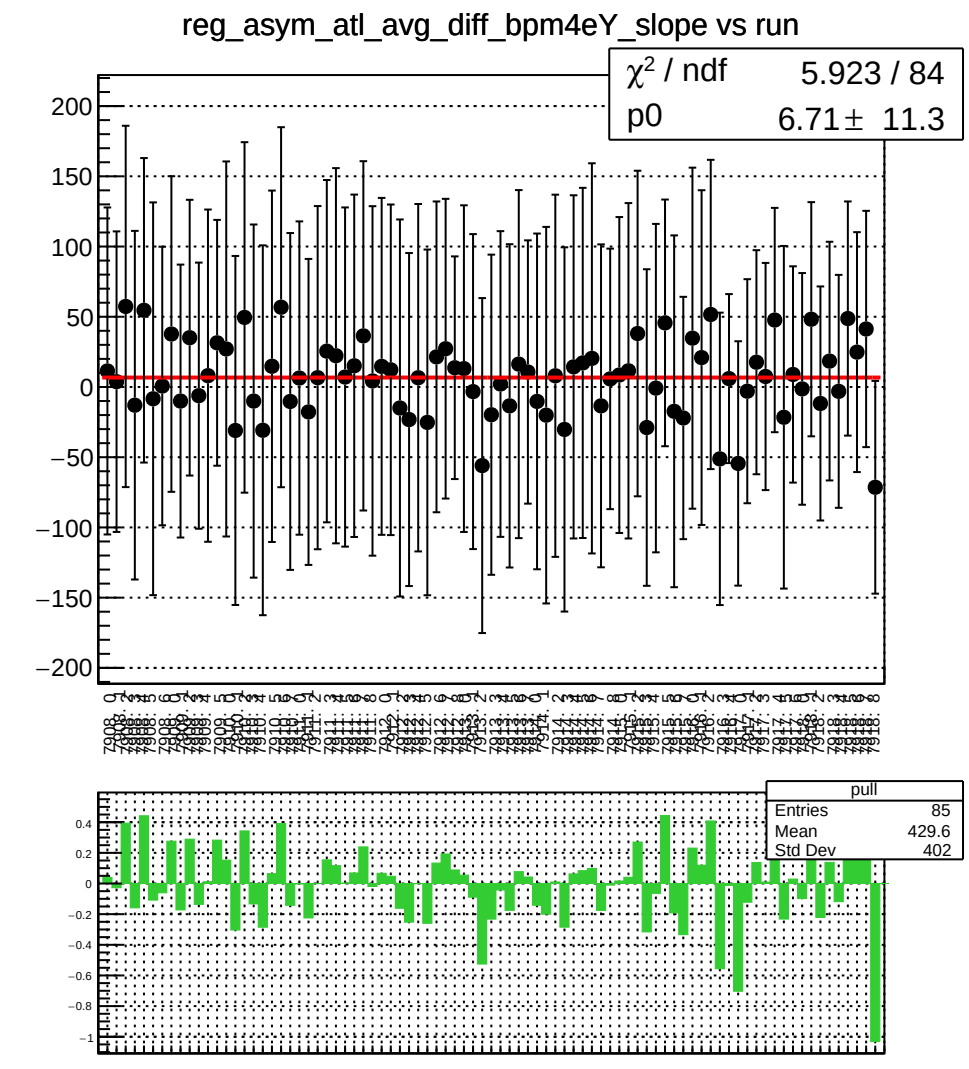

pull1D
Entries 85
Mean 0.01462
Std Dev 0.4997
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

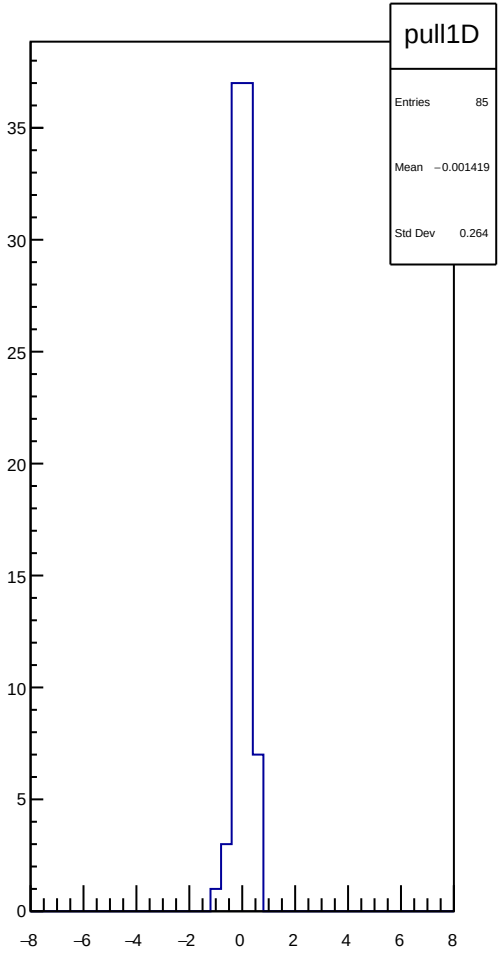

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 8.985 / 84
p0 −146.1± 9.582
pull
Entries 85
Mean 12.67
Std Dev 54.32
pull1D
Entries 85
Mean −0.0201
Std Dev 0.3245

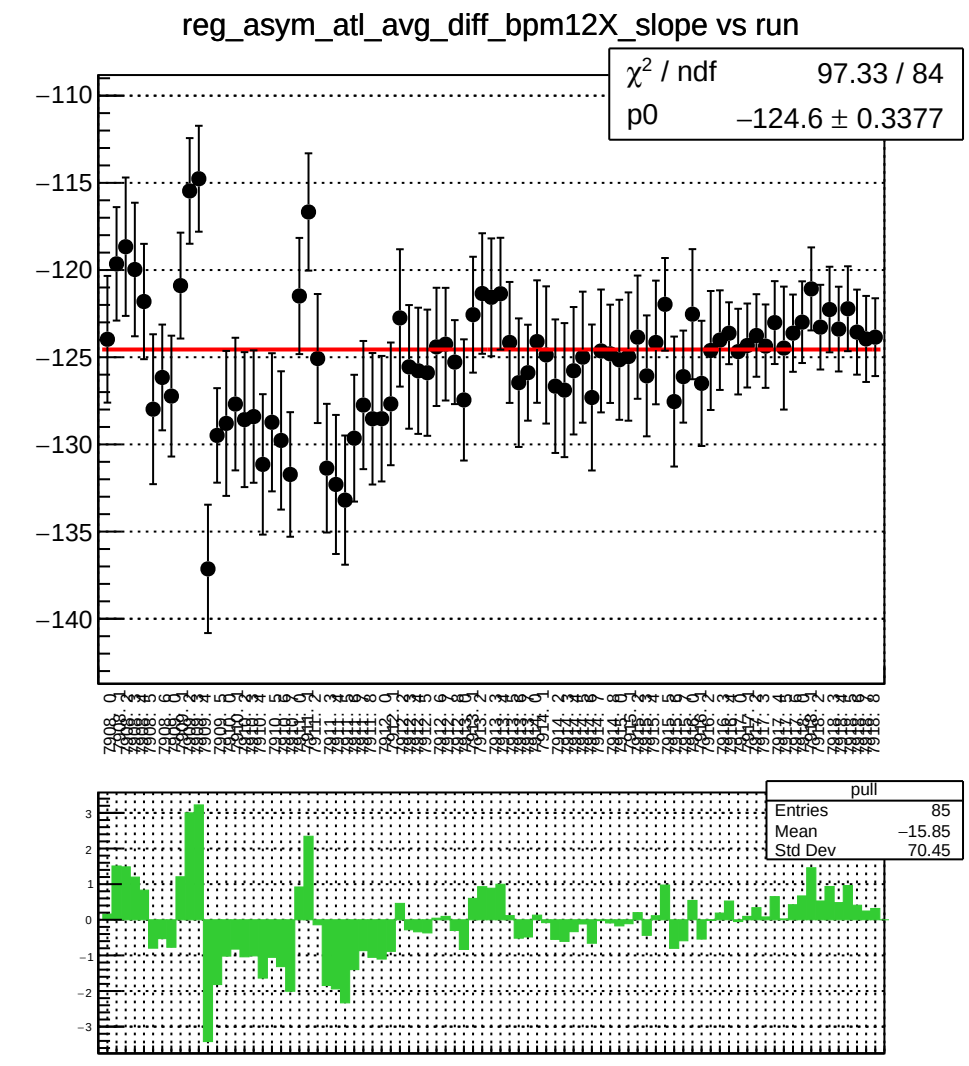

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.924 / 84
p0 48.53 ± 9.724
pull
Entries 85
Mean 74.86
Std Dev 64.62

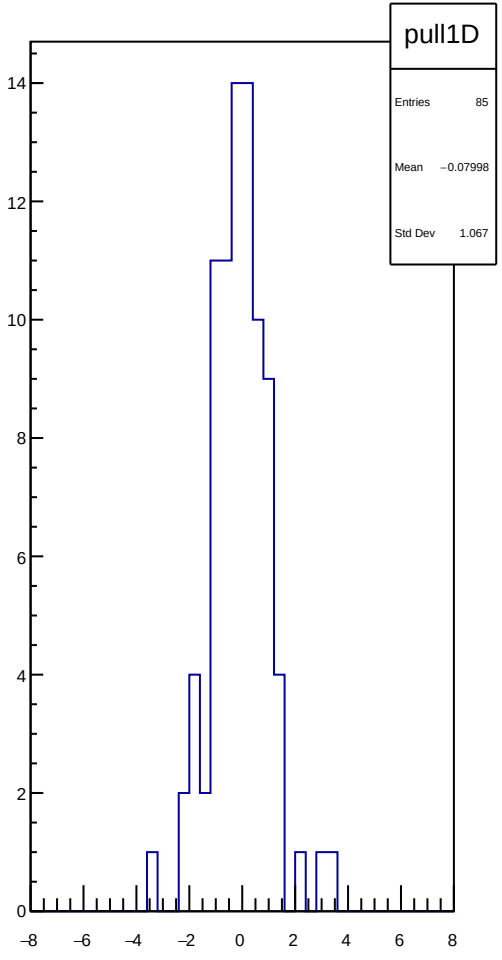

pull1D
Entries 85
Mean 0.005453
Std Dev 0.264

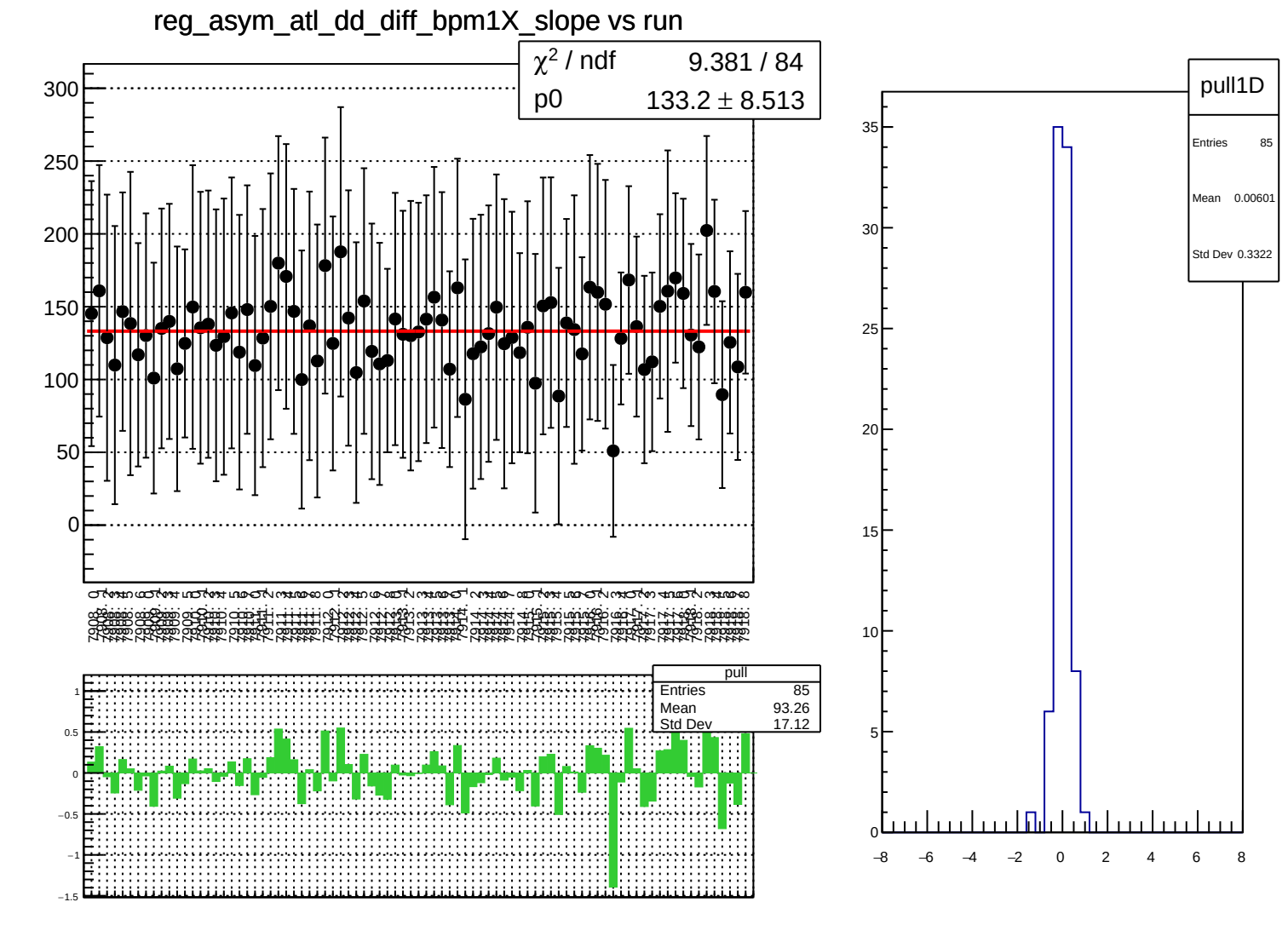

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.463 / 84
p0 111.3 ± 8.199
pull
Entries 85
Mean 66.96
Std Dev 62.29
pull1D
Entries 85
Mean 0.01052
Std Dev 0.3154

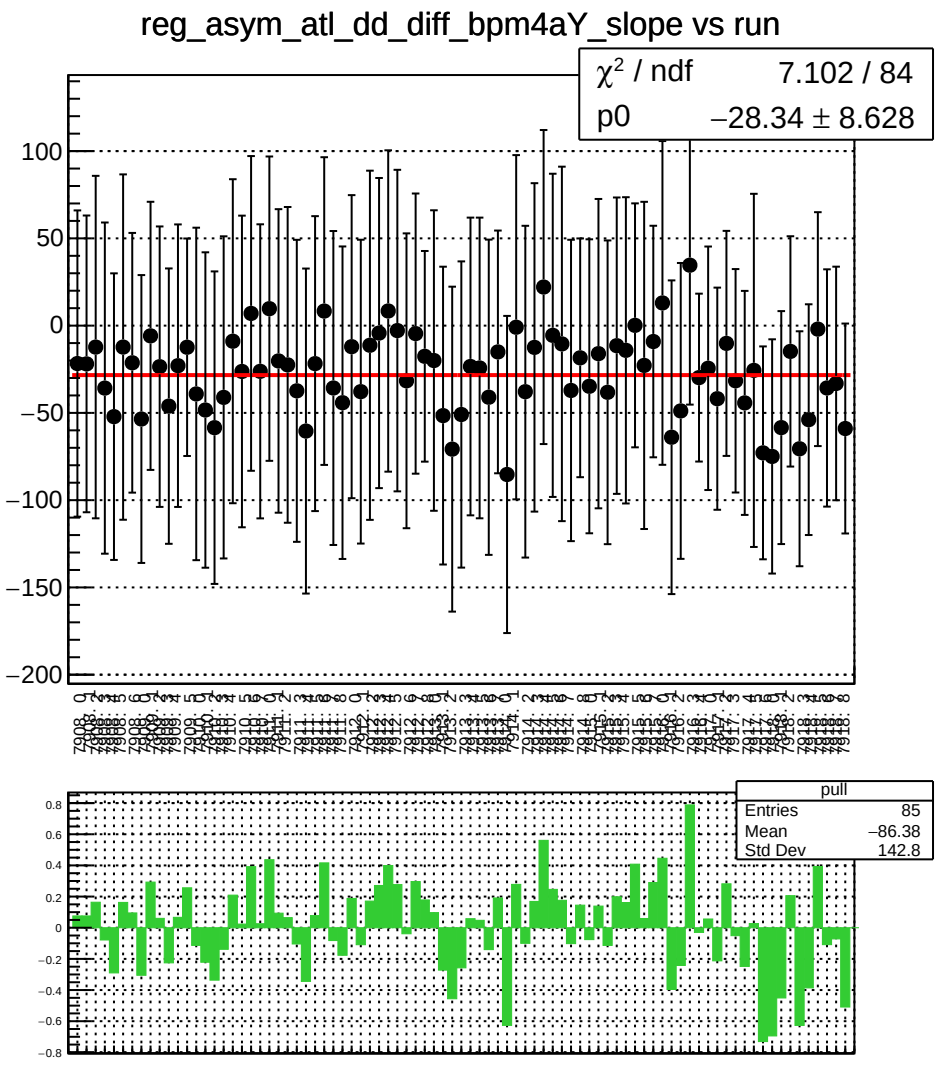

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.923 / 84
p0 6.71± 11.3
pull
Entries 85
Mean 429.6
Std Dev 402

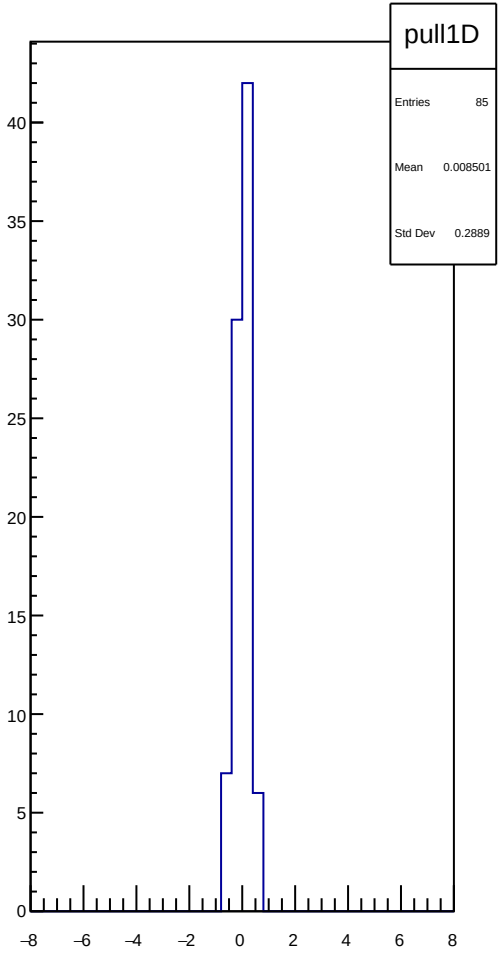

pull1D
Entries 85
Mean −0.001419
Std Dev 0.264

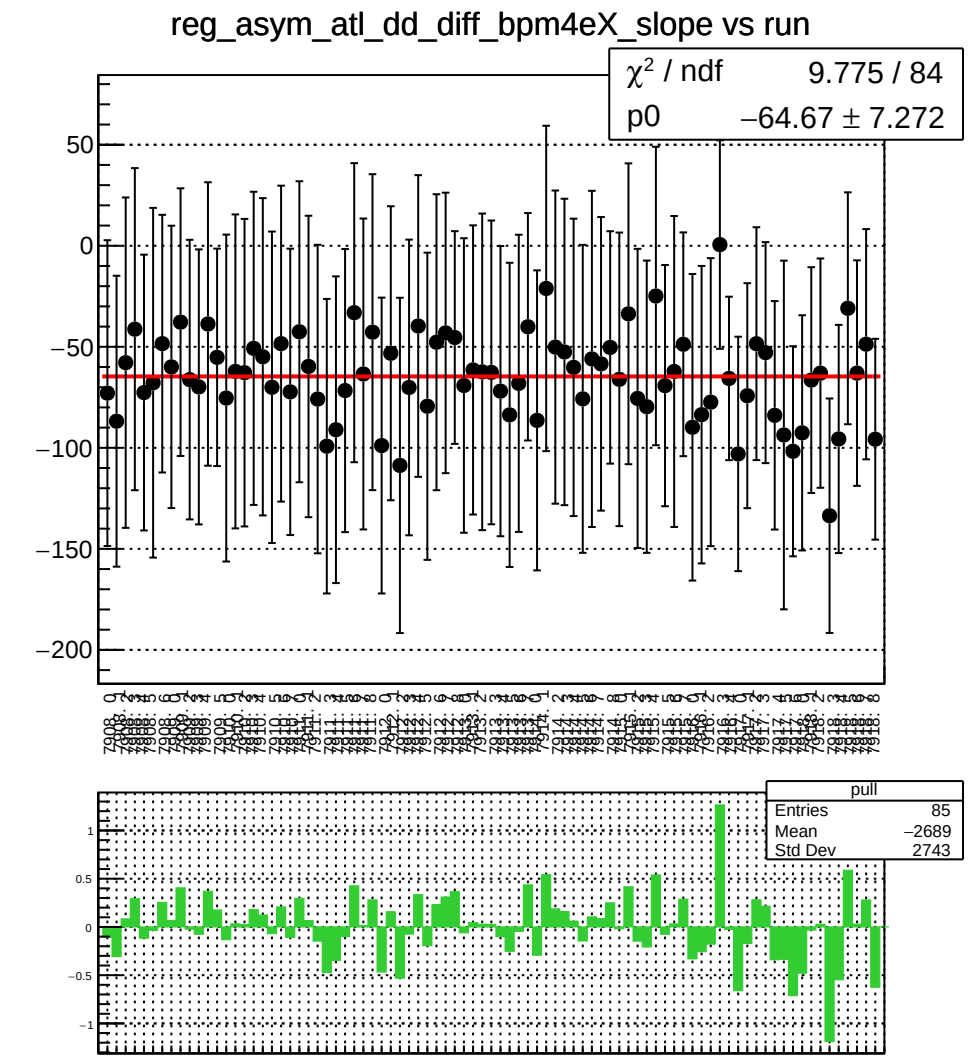

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 97.33 / 84
p0 −124.6 ± 0.3377
pull
Entries 85
Mean −15.85
Std Dev 70.45

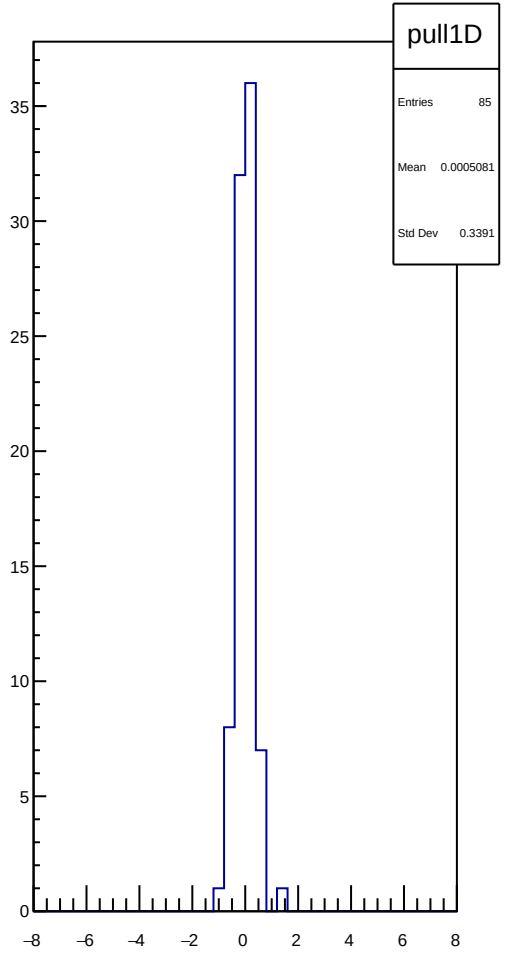

pull1D
Entries 85
Mean −0.07998
Std Dev 1.067

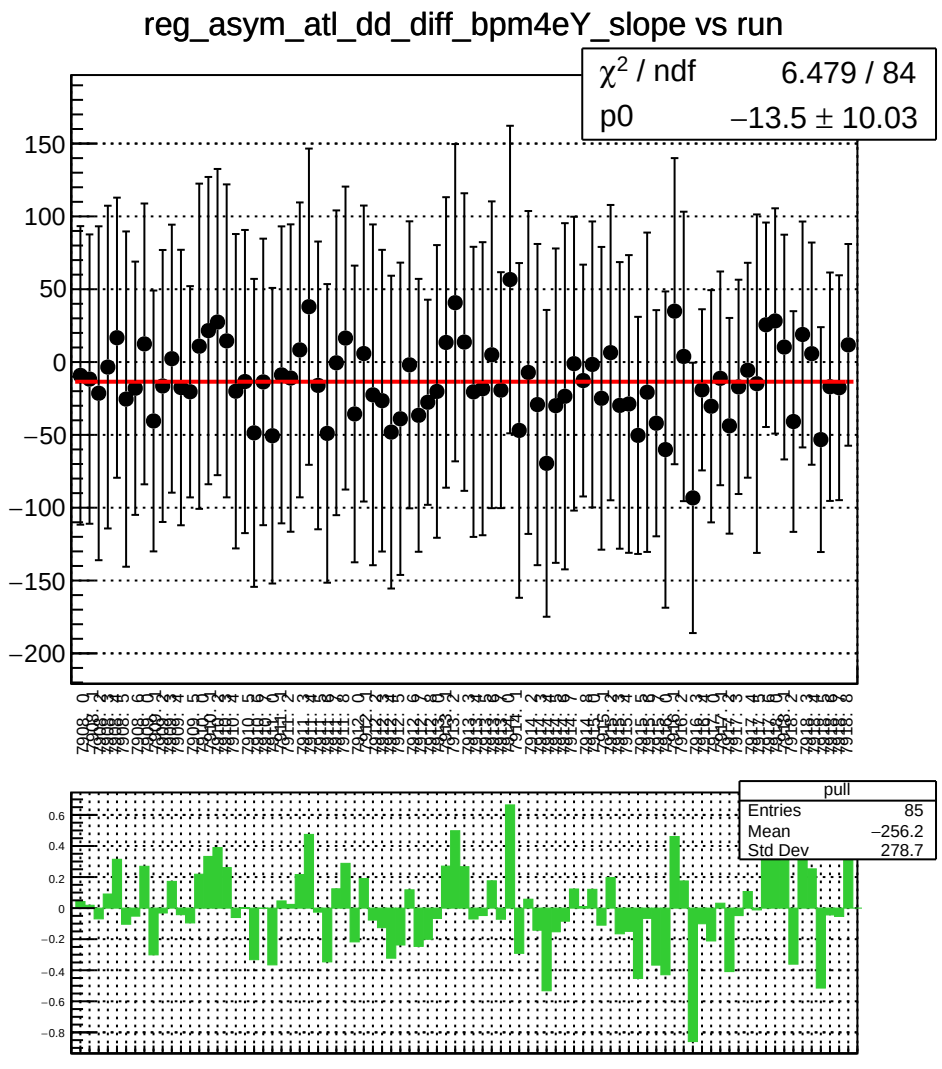

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 9.381 / 84
p0 133.2 ± 8.513
pull
Entries 85
Mean 93.26
Std Dev 17.12
pull1D
Entries 85
Mean 0.00601
Std Dev 0.3322

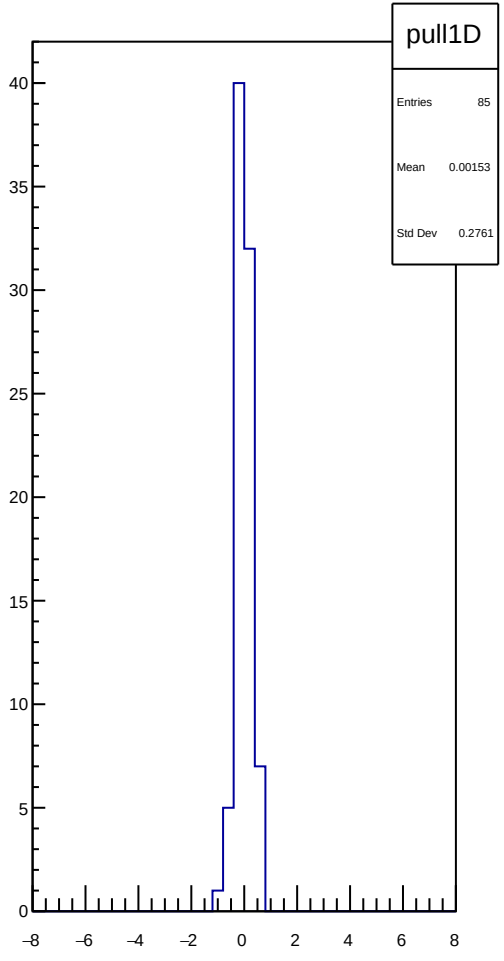

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.102 / 84
p0 −28.34 ± 8.628
pull
Entries 85
Mean −86.38
Std Dev 142.8

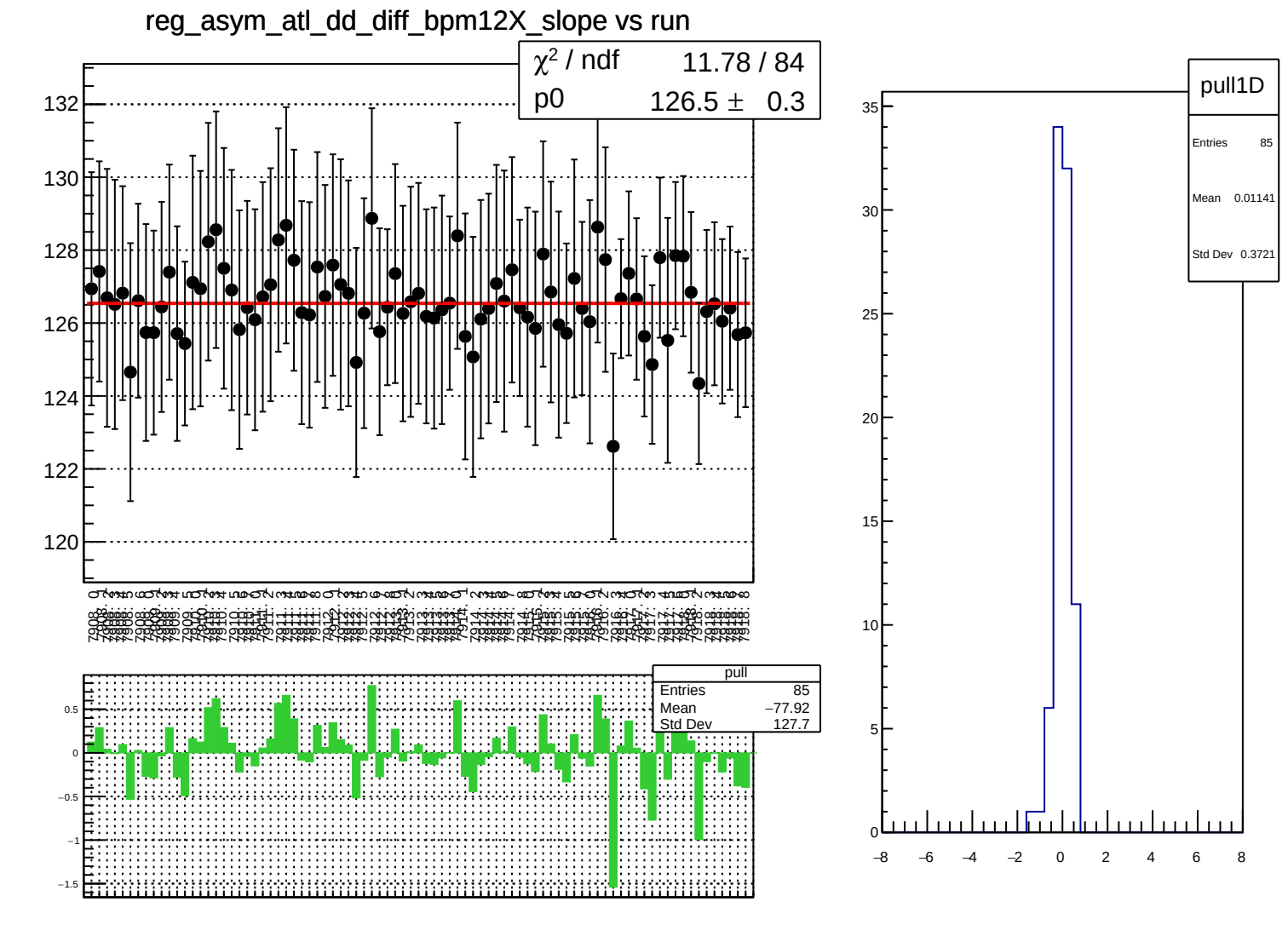

pull1D
Entries 85
Mean 0.008501
Std Dev 0.2889

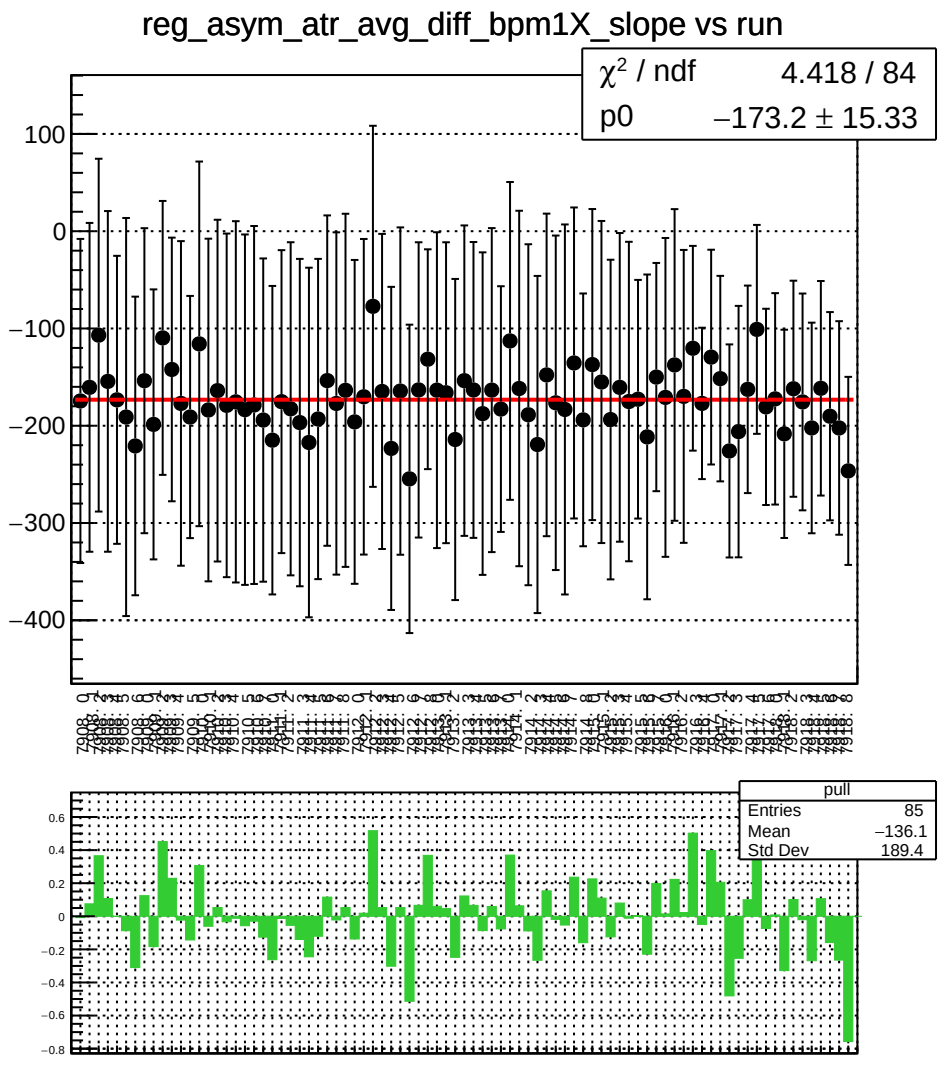

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.775 / 84
p0 −64.67 ± 7.272
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −2689
Std Dev 2743
1
0.5
0
−0.5
−1

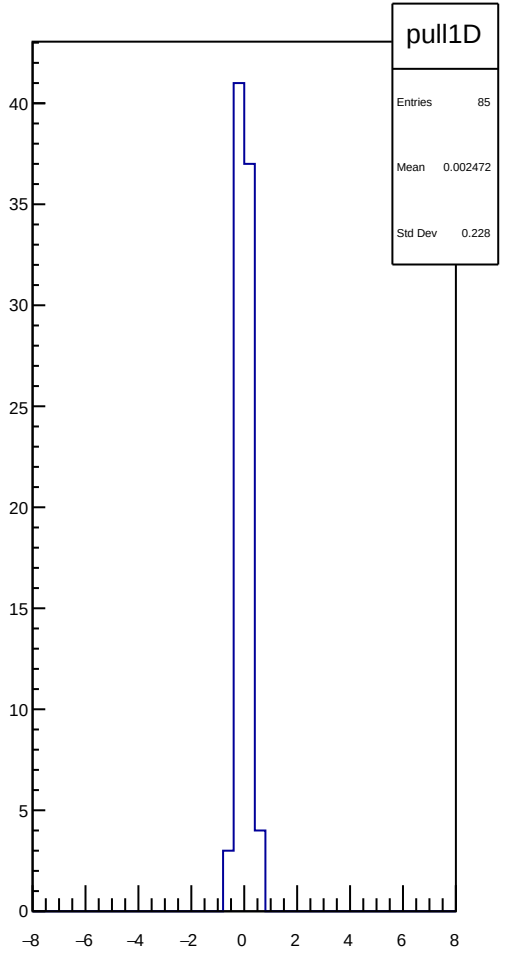

pull1D
Entries 85
Mean 0.0005081
Std Dev 0.3391
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

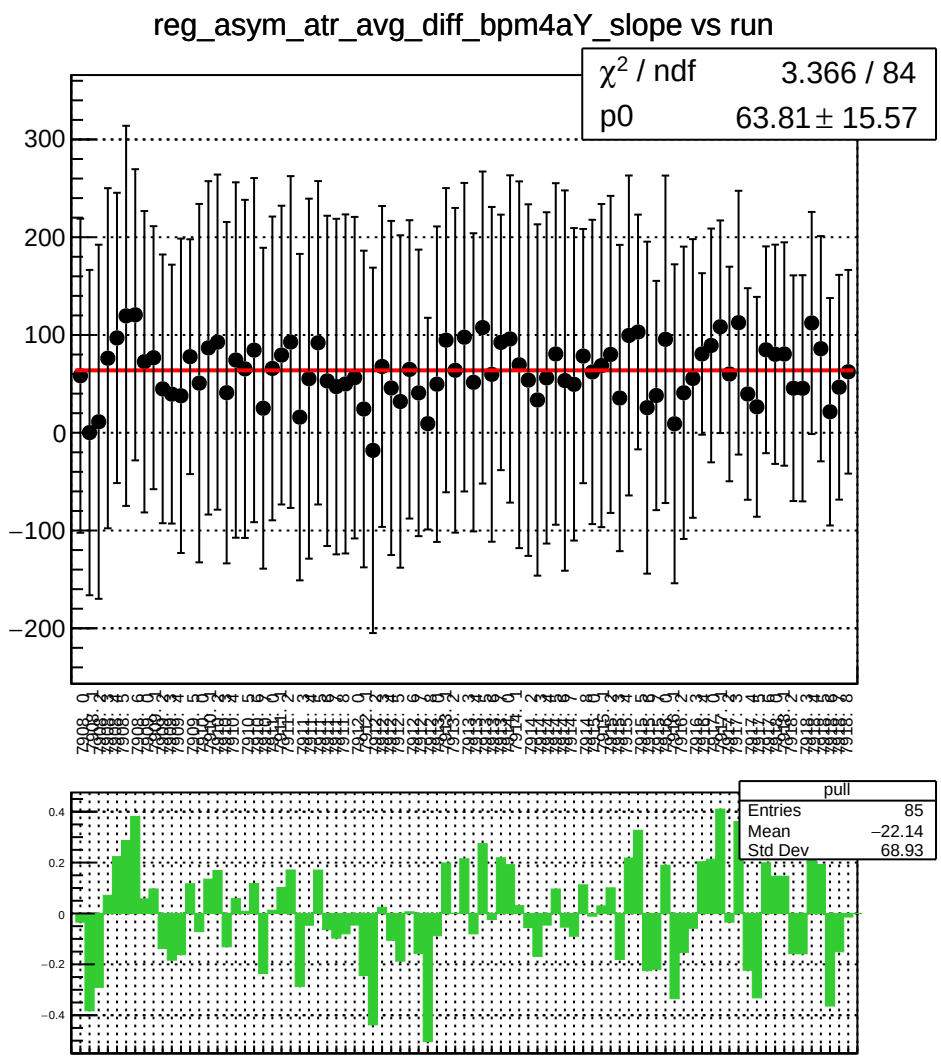

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.479 / 84
p0 −13.5 ± 10.03
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −256.2
Std Dev 278.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

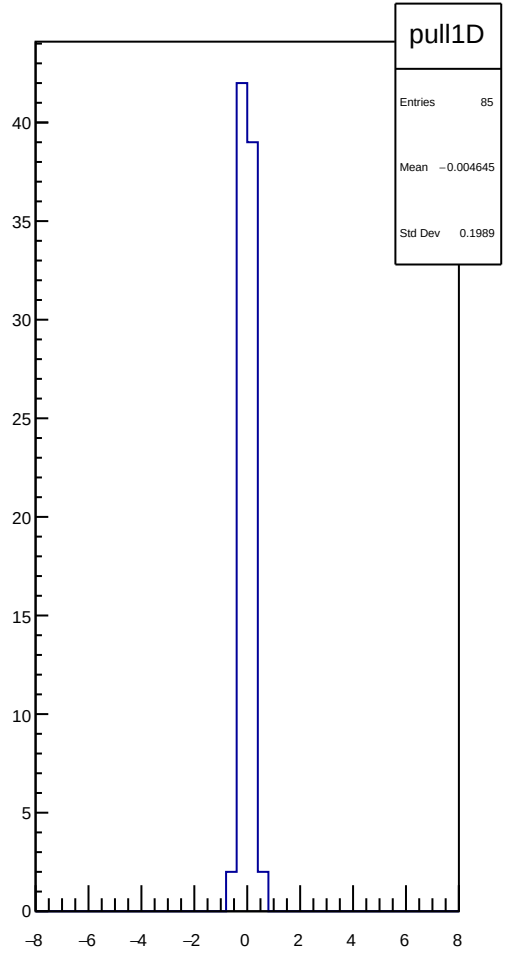

pull1D
Entries 85
Mean 0.00153
Std Dev 0.2761
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

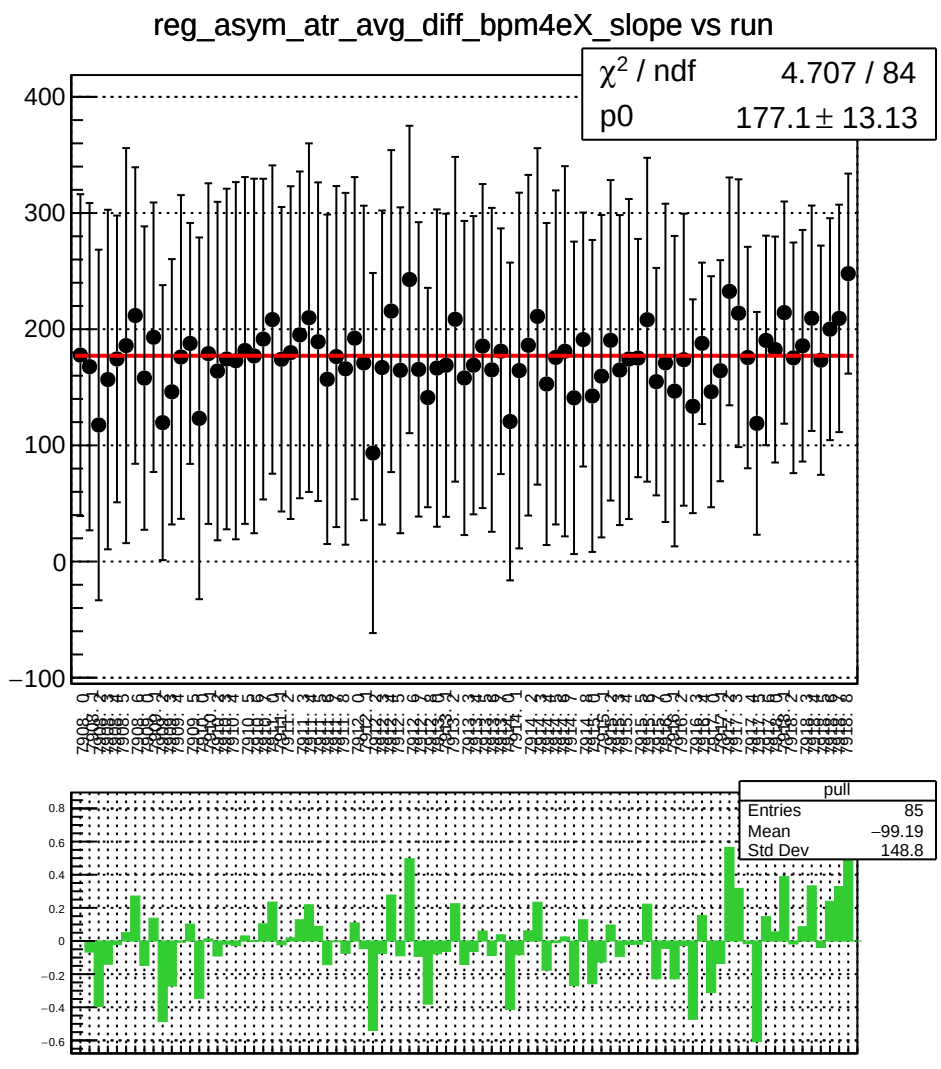

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 11.78 / 84
p0 126.5 ± 0.3
pull
Entries 85
Mean −77.92
Std Dev 127.7
pull1D
Entries 85
Mean 0.01141
Std Dev 0.3721

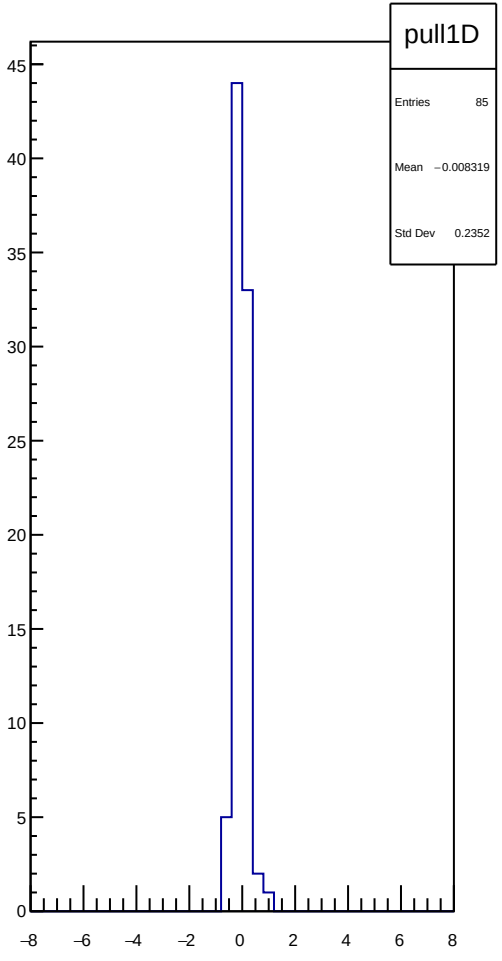

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 4.418 / 84
p0 −173.2 ± 15.33
100
0
−100
−200
−300
−400
pull
Entries 85
Mean −136.1
Std Dev 189.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

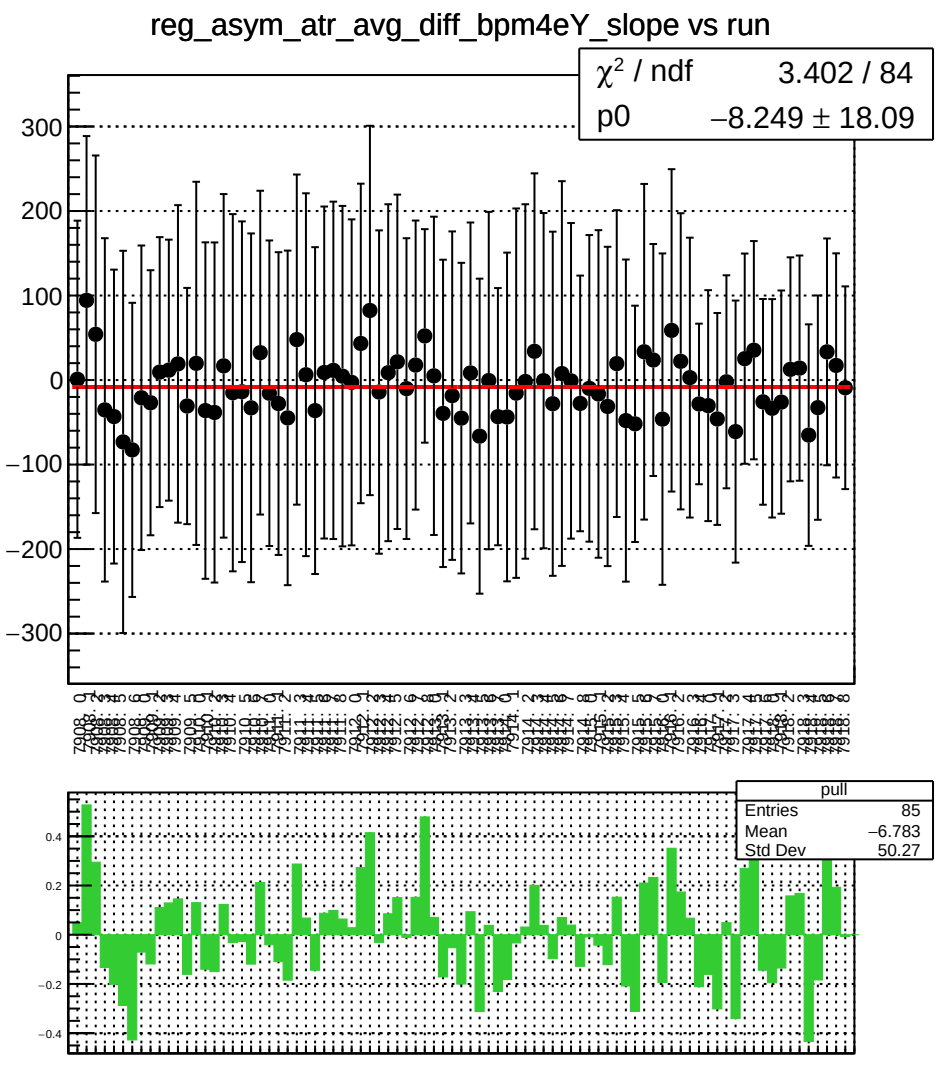

pull1D
Entries 85
Mean 0.002472
Std Dev 0.228
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

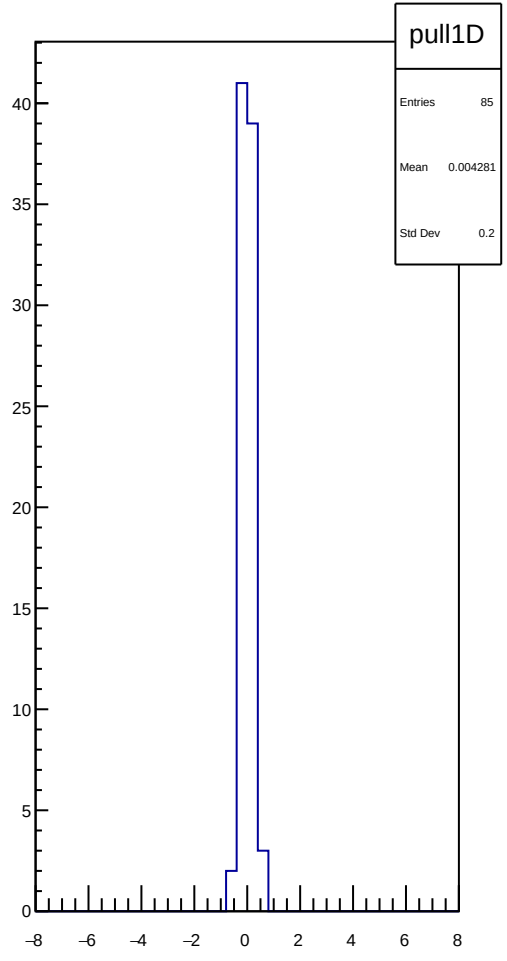

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.366 / 84
p0 63.81 ± 15.57
300
200
100
0
−100
−200
pull
Entries 85
Mean −22.14
Std Dev 68.93
0.4
0.2
0
−0.2
−0.4

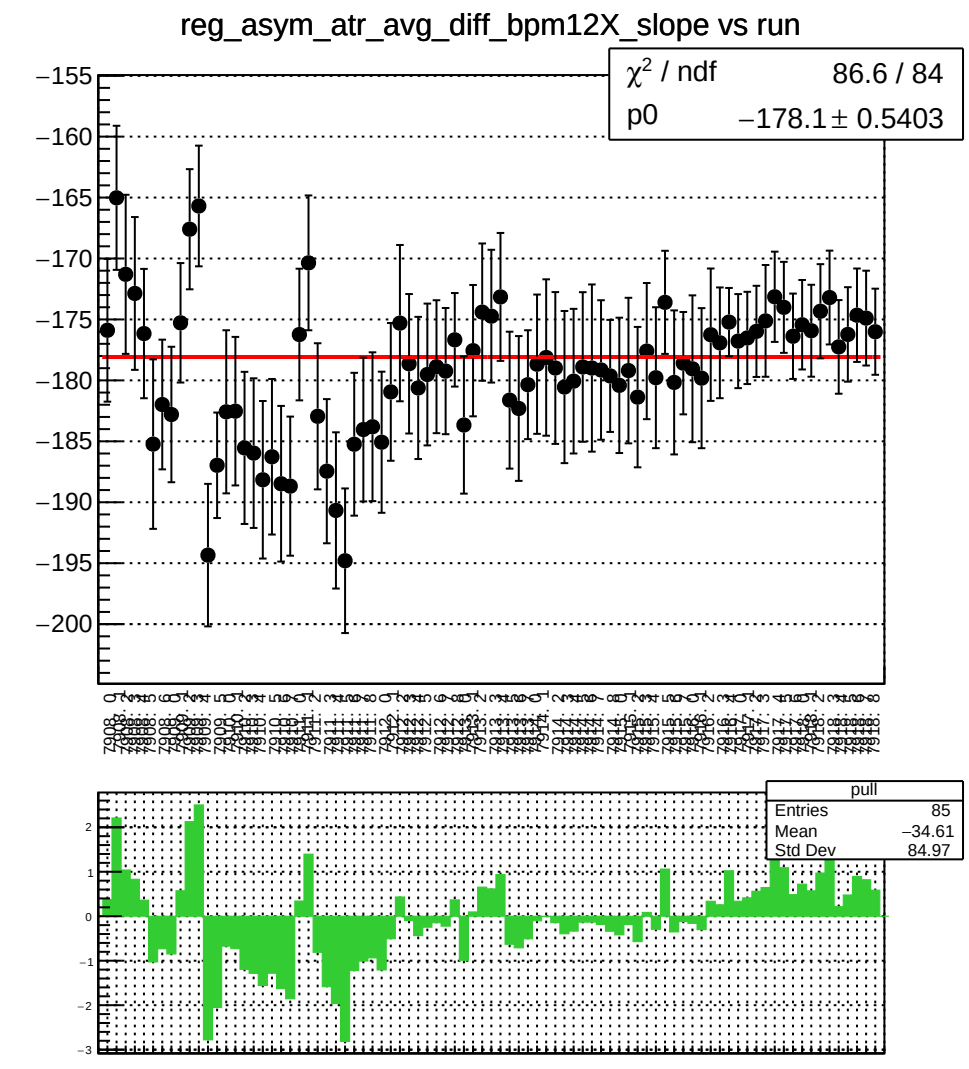

pull1D
Entries 85
Mean −0.004645
Std Dev 0.1989
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

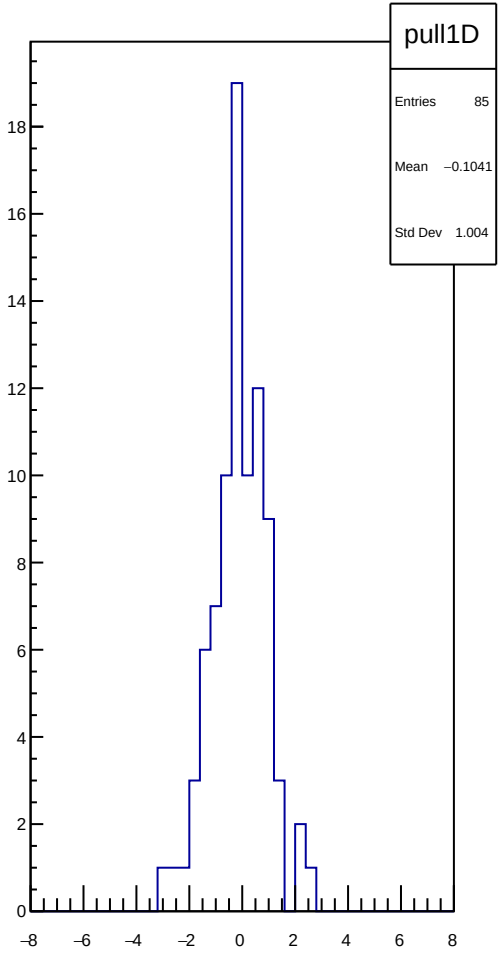

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.707 / 84
p0 177.1 ± 13.13
pull
Entries 85
Mean −99.19
Std Dev 148.8

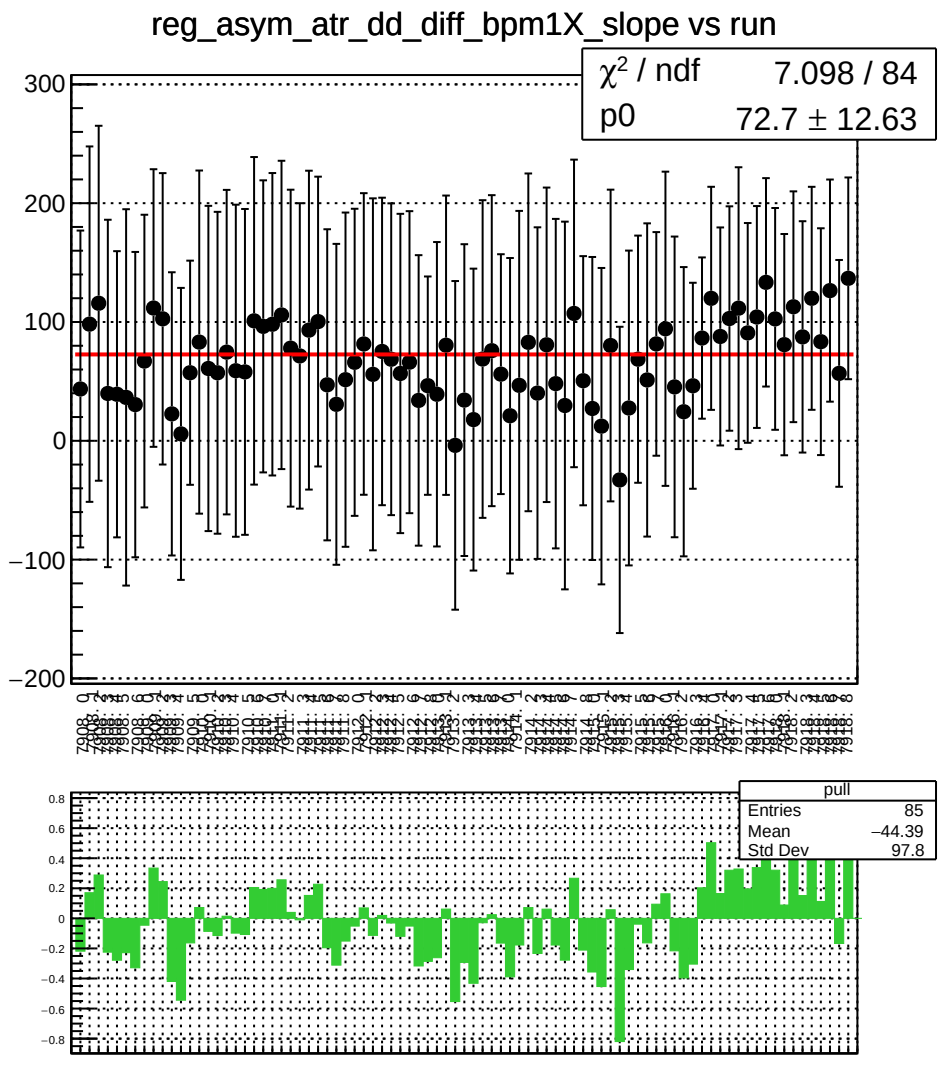

pull1D
Entries 85
Mean −0.008319
Std Dev 0.2352

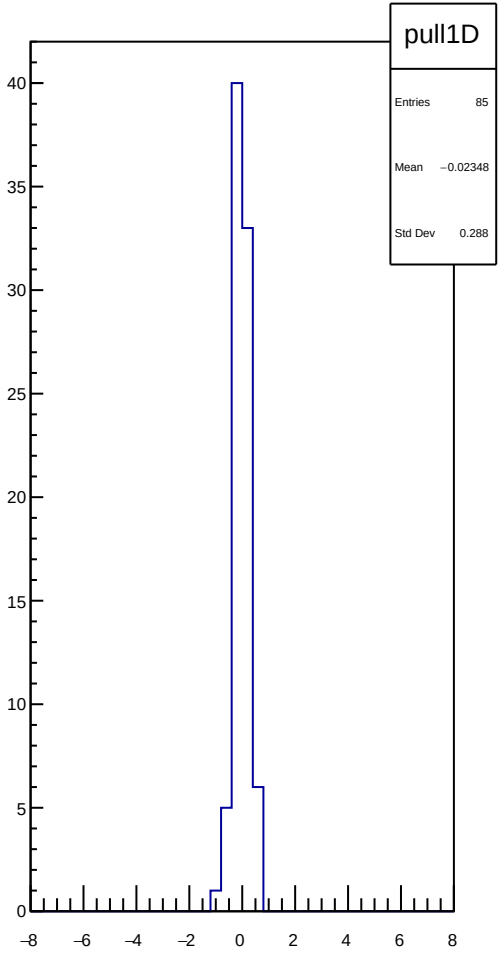

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.402 / 84
p0 −8.249 ± 18.09
300
200
100
0
−100
−200
−300
pull
Entries 85
Mean −6.783
Std Dev 50.27
0.4
0.2
0
−0.2
−0.4

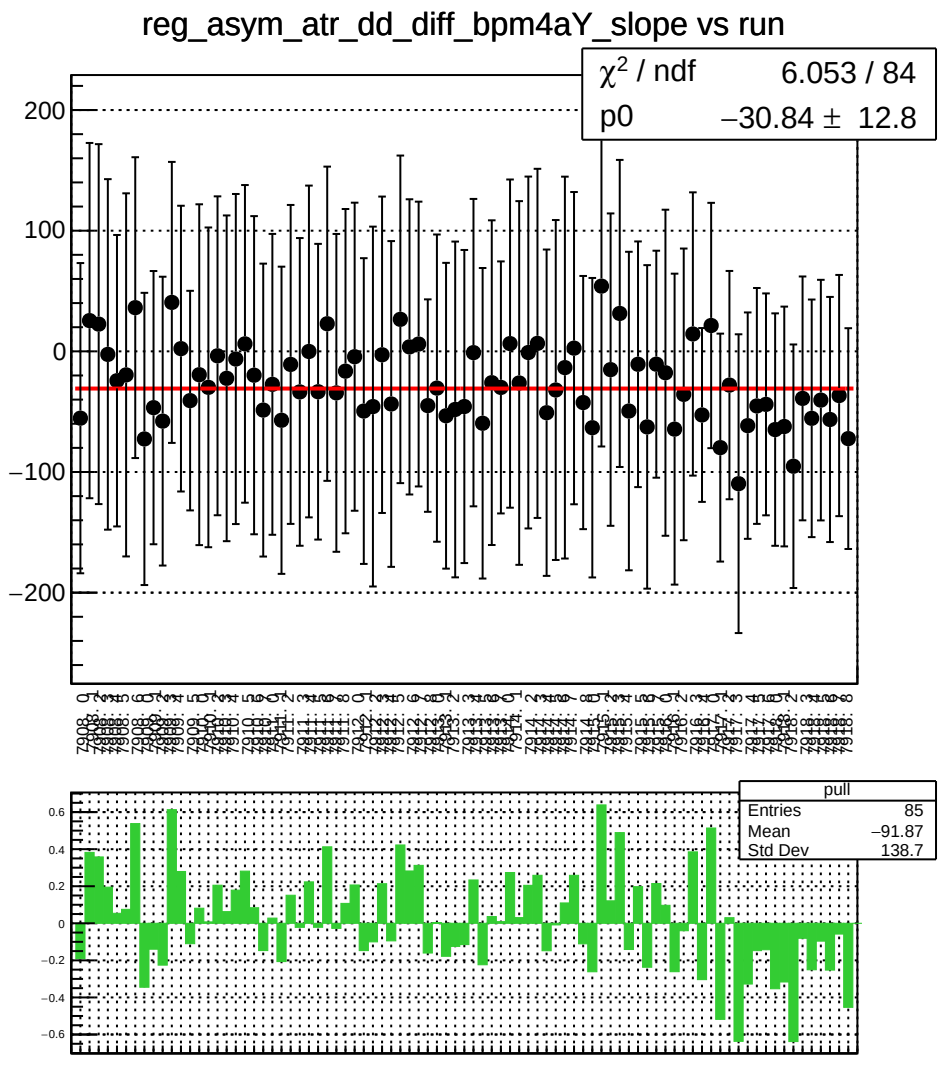

pull1D
Entries 85
Mean 0.004281
Std Dev 0.2
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

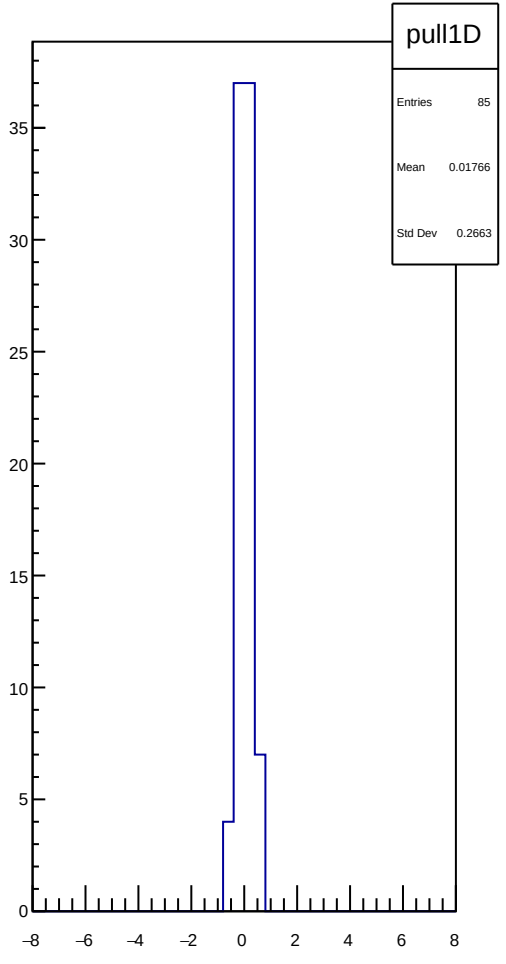

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 86.6 / 84
p0 −178.1 ± 0.5403
pull
Entries 85
Mean −34.61
Std Dev 84.97

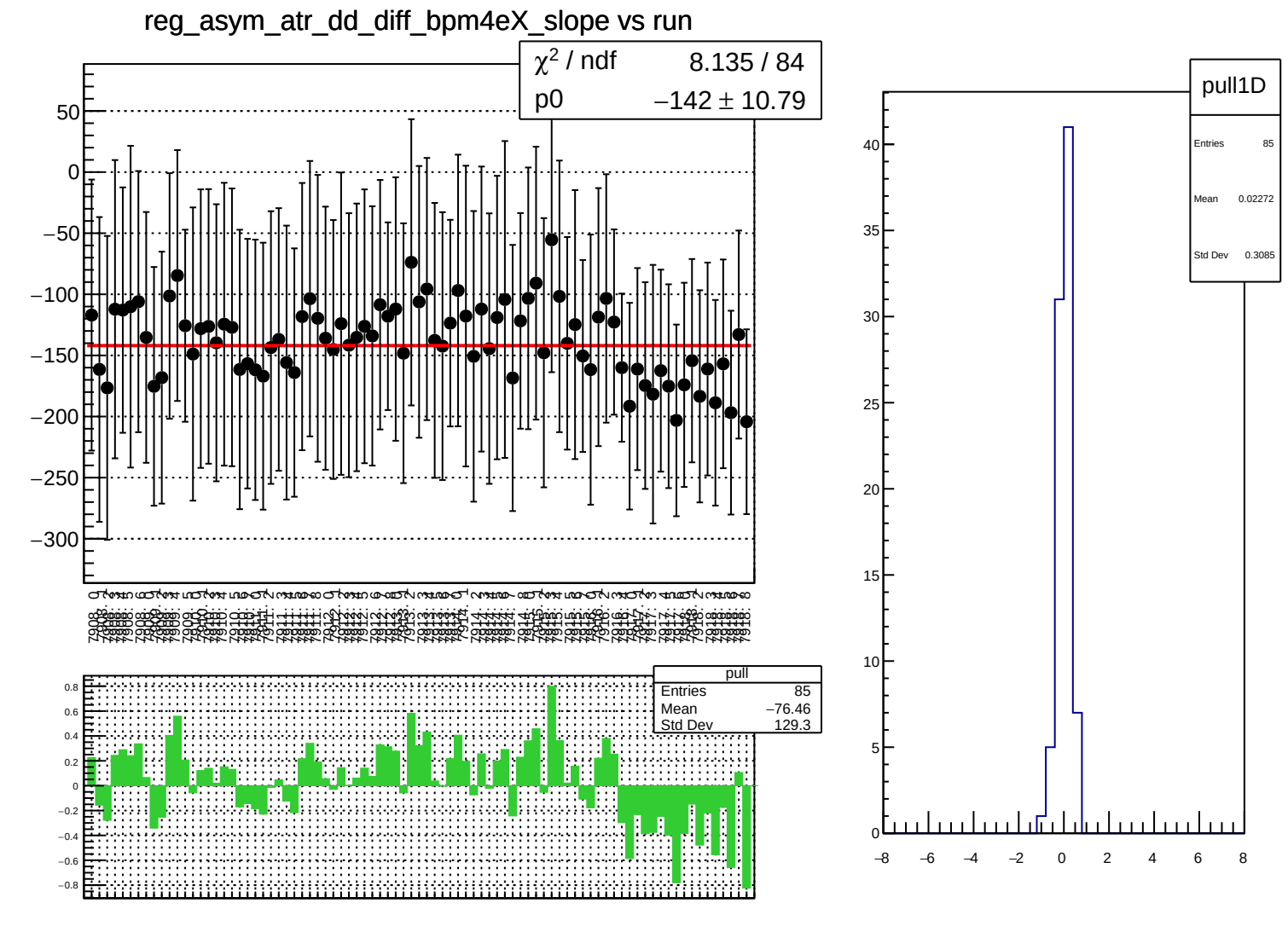

pull1D
Entries 85
Mean −0.1041
Std Dev 1.004

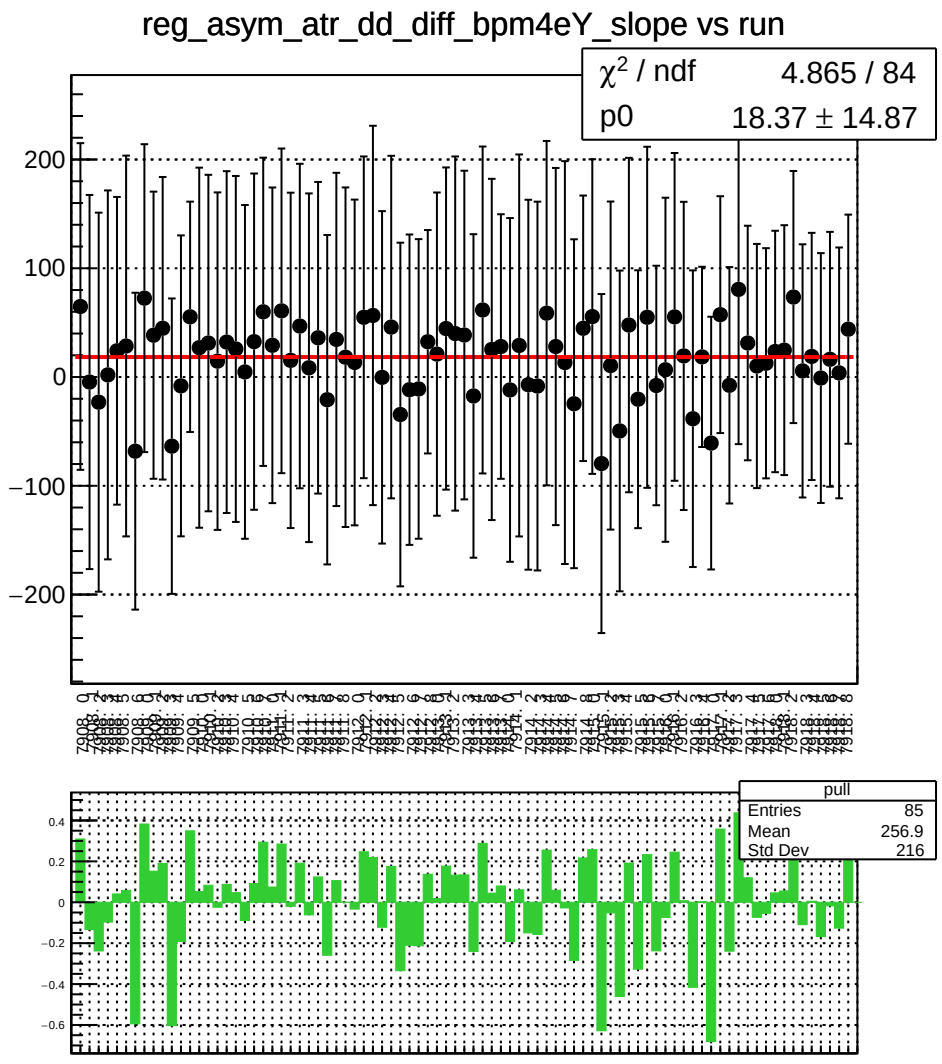

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 7.098 / 84
p0 72.7 ± 12.63
pull
Entries 85
Mean −44.39
Std Dev 97.8

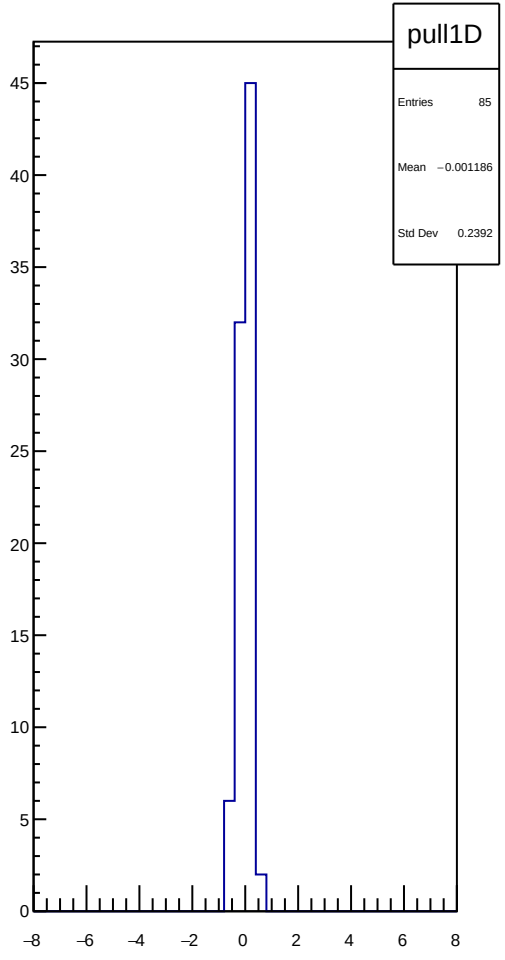

pull1D
Entries 85
Mean −0.02348
Std Dev 0.288

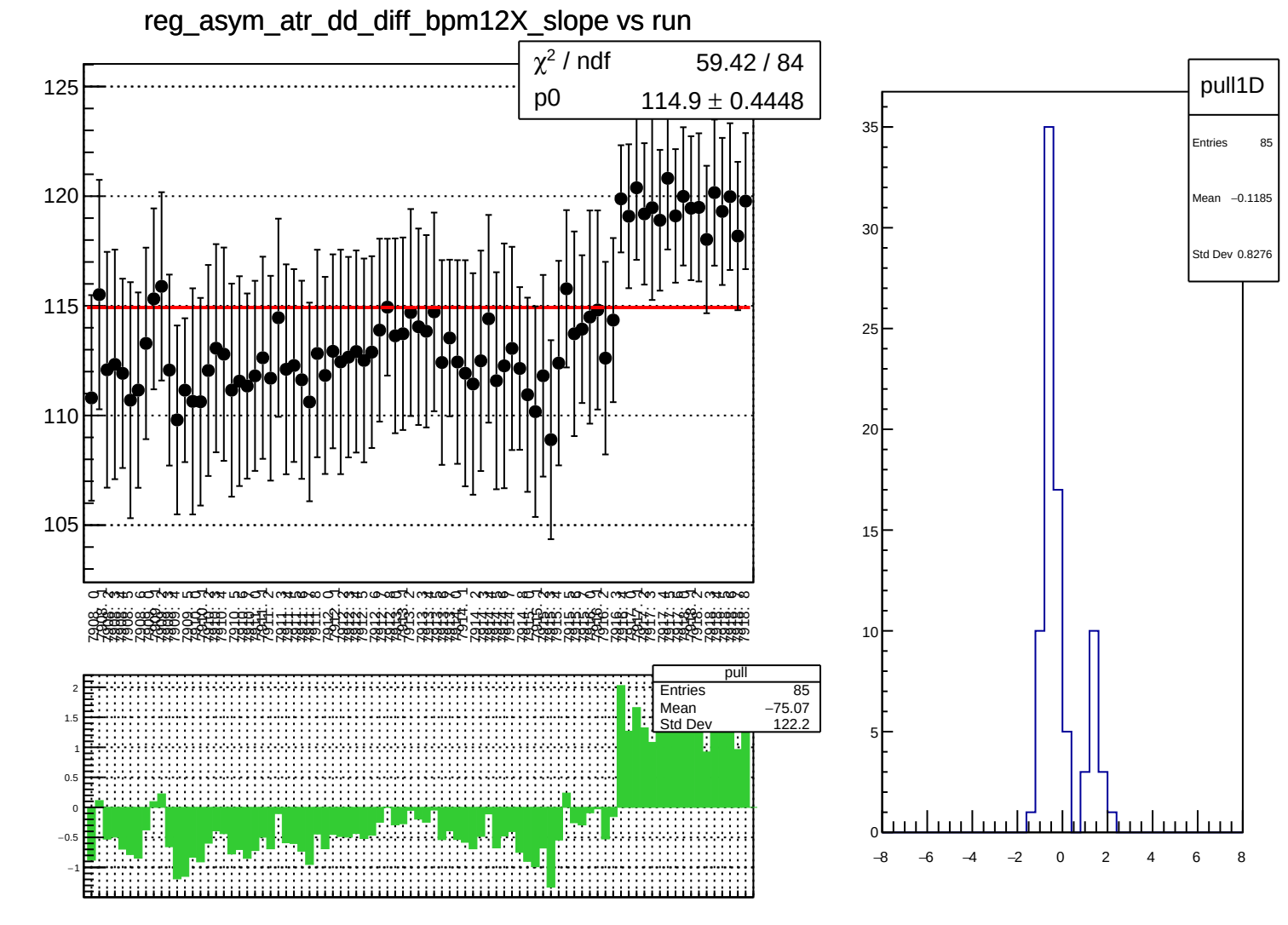

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.053 / 84
p0 −30.84 ± 12.8
200
100
0
−100
−200
pull
Entries 85
Mean −91.87
Std Dev 138.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

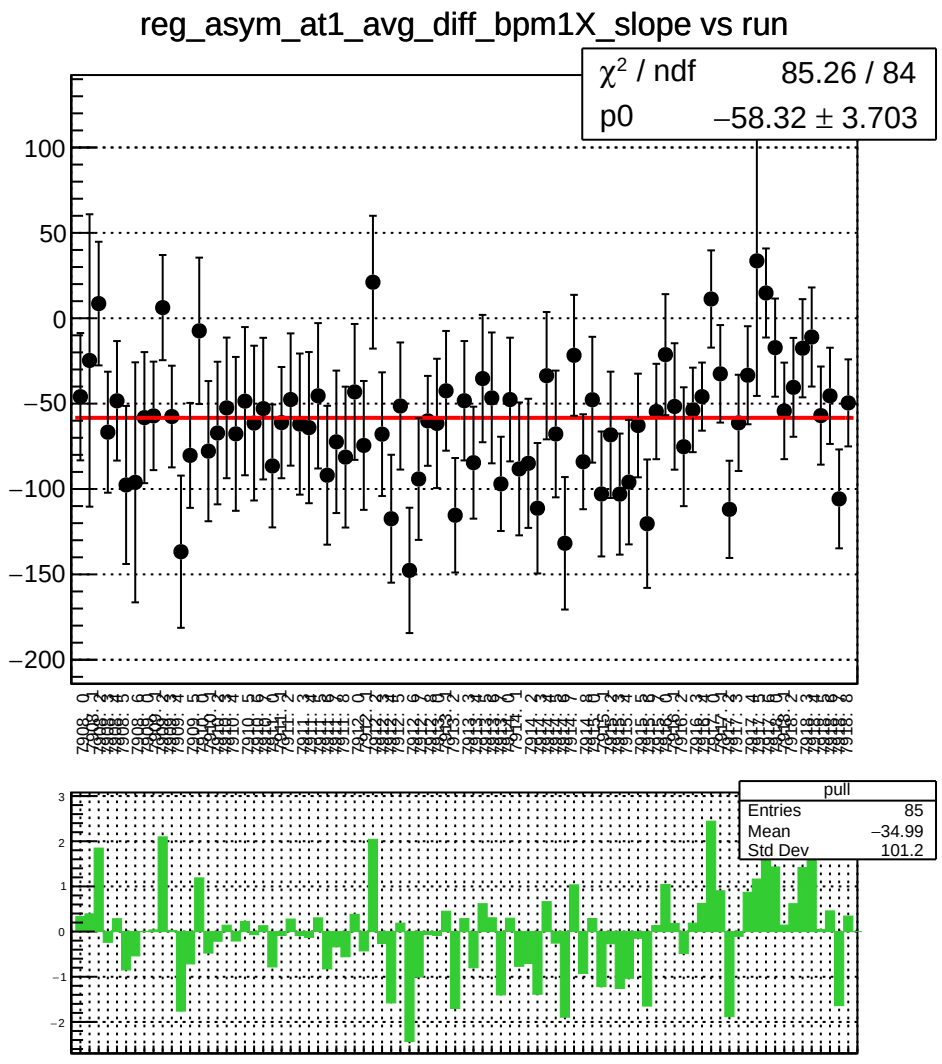

pull1D
Entries 85
Mean 0.01766
Std Dev 0.2663
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

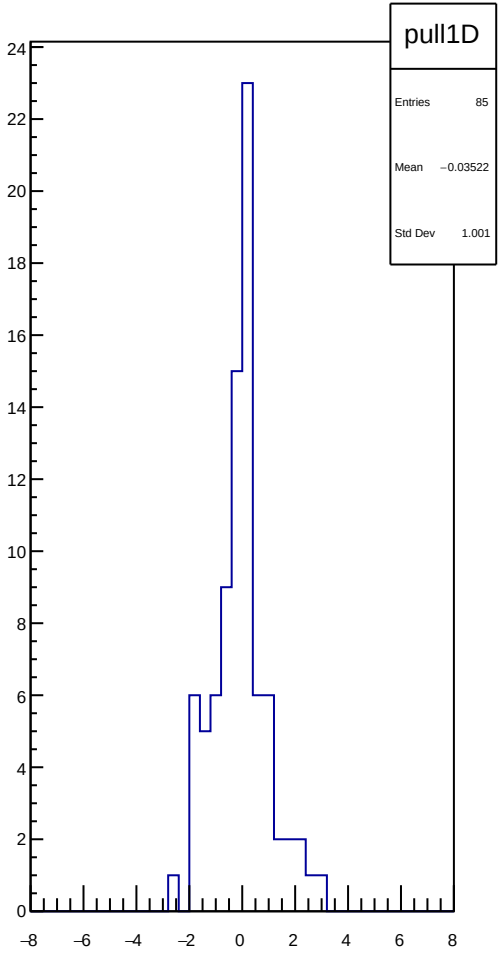

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.135 / 84
p0 −142 ± 10.79
pull
Entries 85
Mean −76.46
Std Dev 129.3
pull1D
Entries 85
Mean 0.02272
Std Dev 0.3085

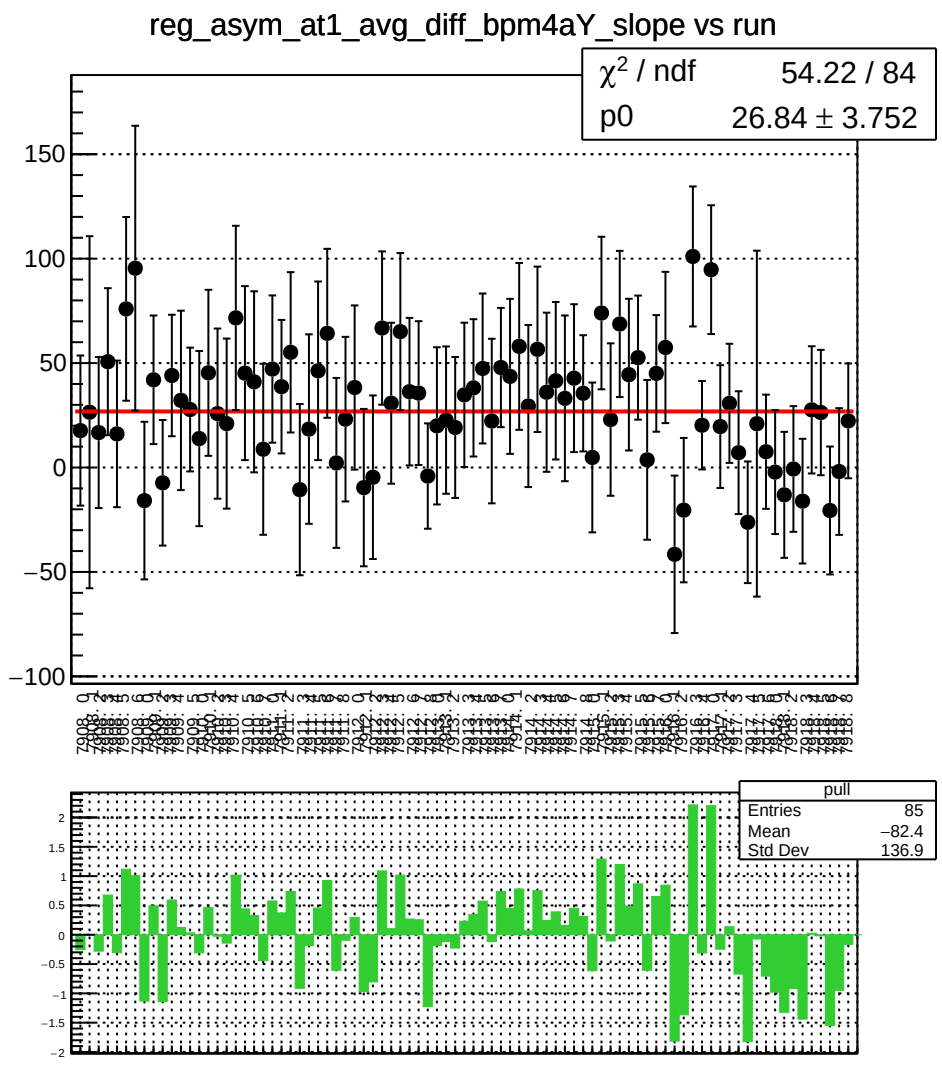

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.865 / 84
p0 18.37 ± 14.87
200
100
0
−100
−200
pull
Entries 85
Mean 256.9
Std Dev 216
0.4
0.2
0
−0.2
−0.4
−0.6

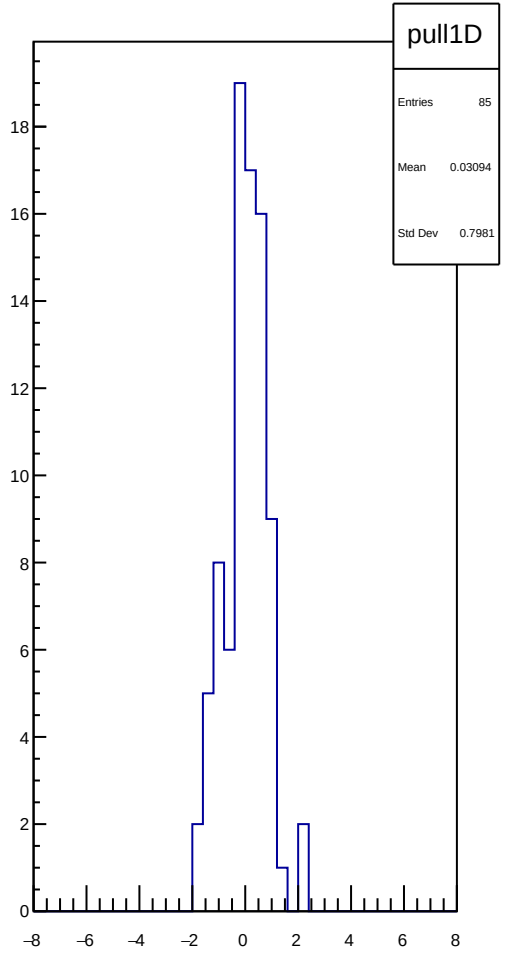

pull1D
Entries 85
Mean −0.001186
Std Dev 0.2392
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

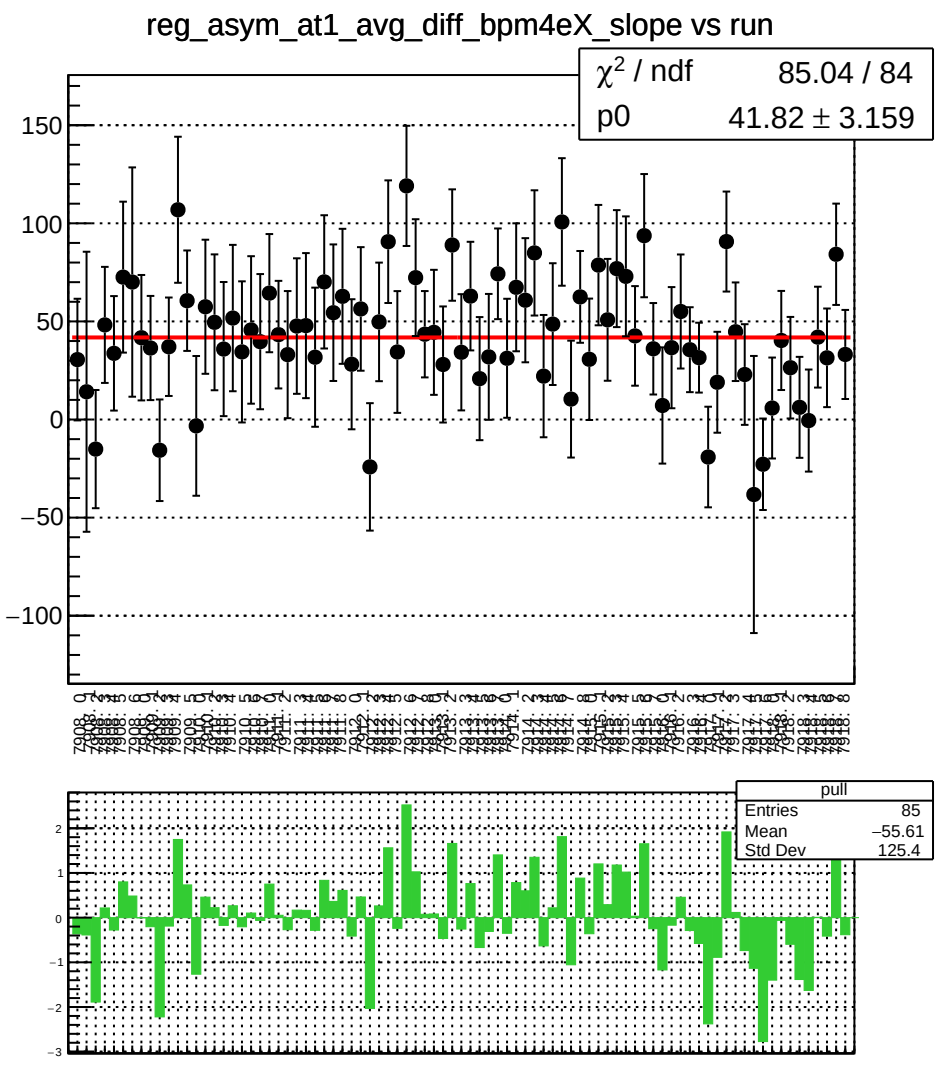

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 59.42 / 84
p0 114.9 ± 0.4448
125
120
115
110
105
pull
Entries 85
Mean −75.07
Std Dev 122.2
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.1185
Std Dev 0.8276
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

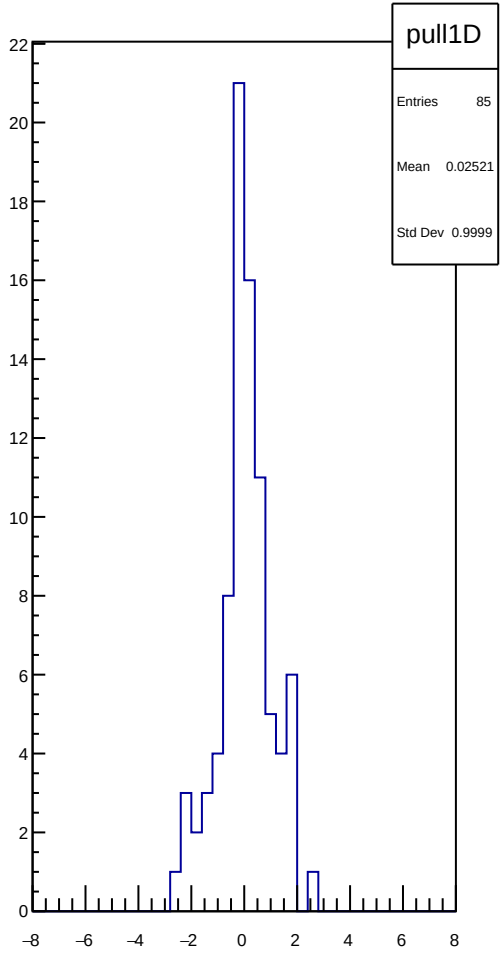

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 85.26 / 84
p0 −58.32 ± 3.703
pull
Entries 85
Mean −34.99
Std Dev 101.2

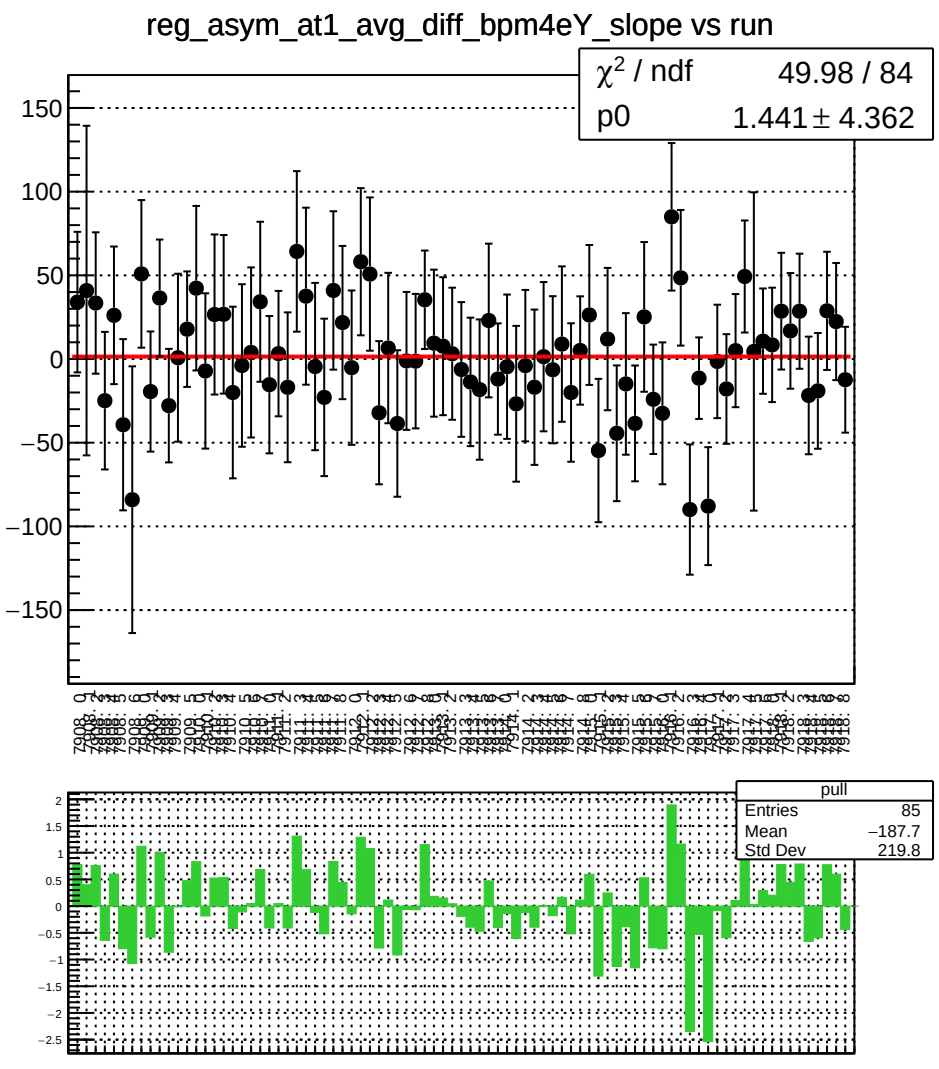

pull1D
Entries 85
Mean −0.03522
Std Dev 1.001

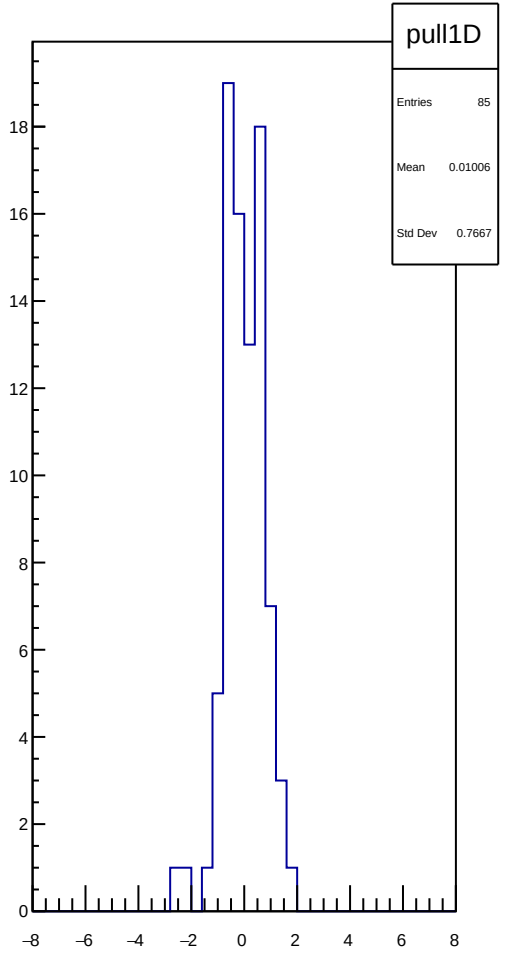

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.22 / 84
p0 26.84 ± 3.752
150
100
50
0
−50
−100
pull
Entries 85
Mean −82.4
Std Dev 136.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

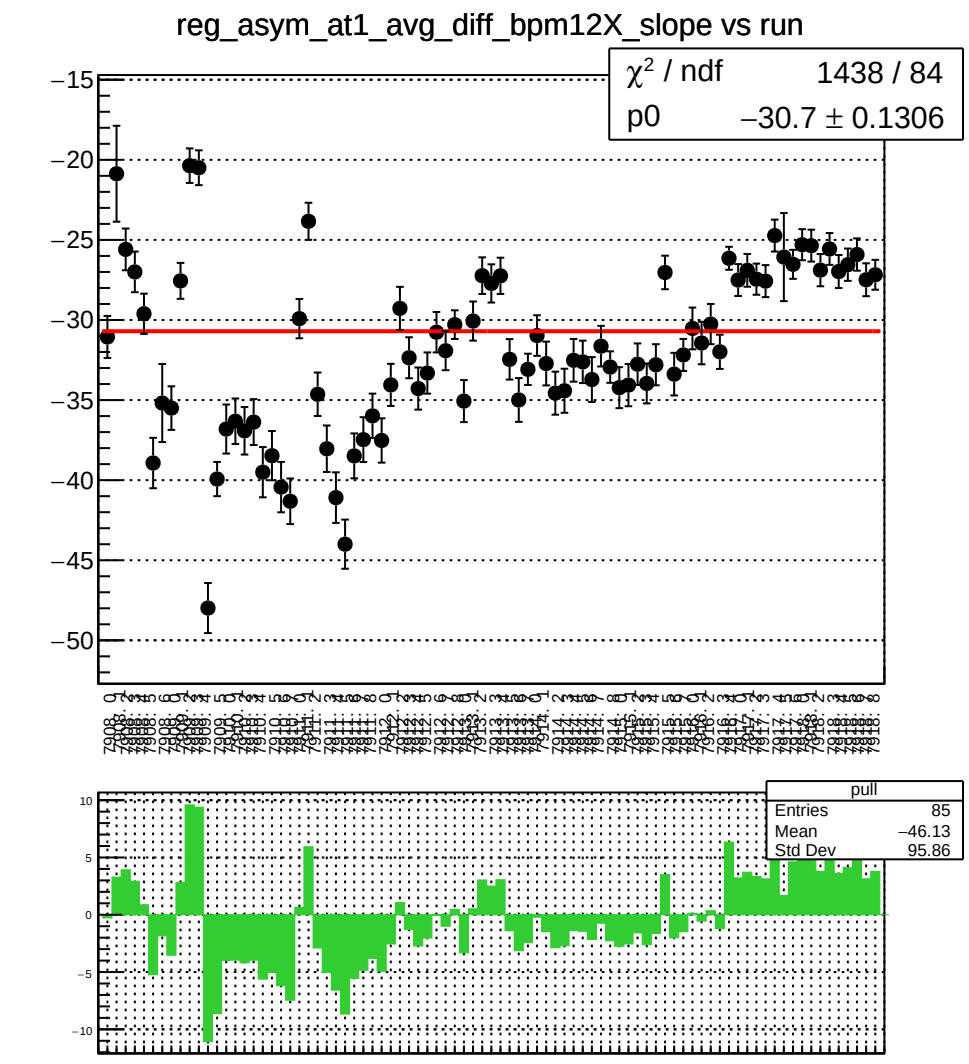

pull1D
Entries 85
Mean 0.03094
Std Dev 0.7981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

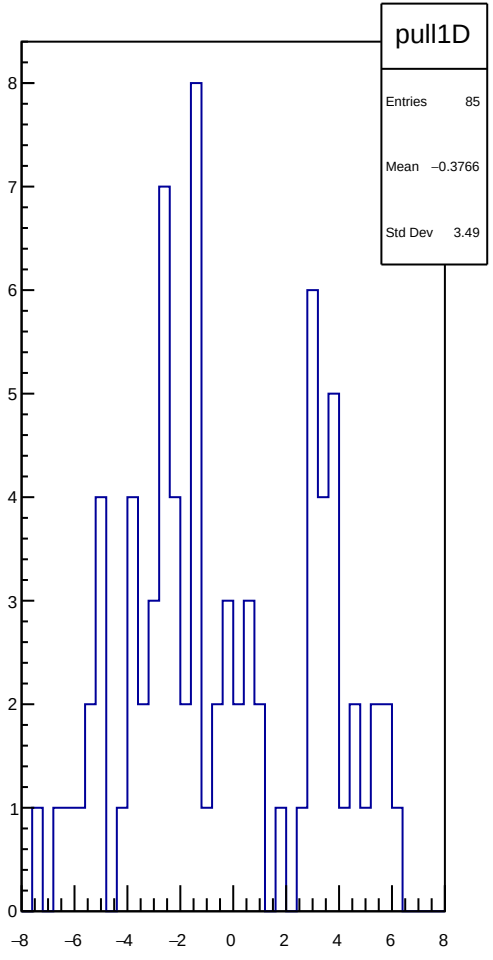

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.04 / 84
p0 41.82 ± 3.159
150
100
50
0
−50
−100
pull
Entries 85
Mean −55.61
Std Dev 125.4
2
1
0
−1
−2
−3

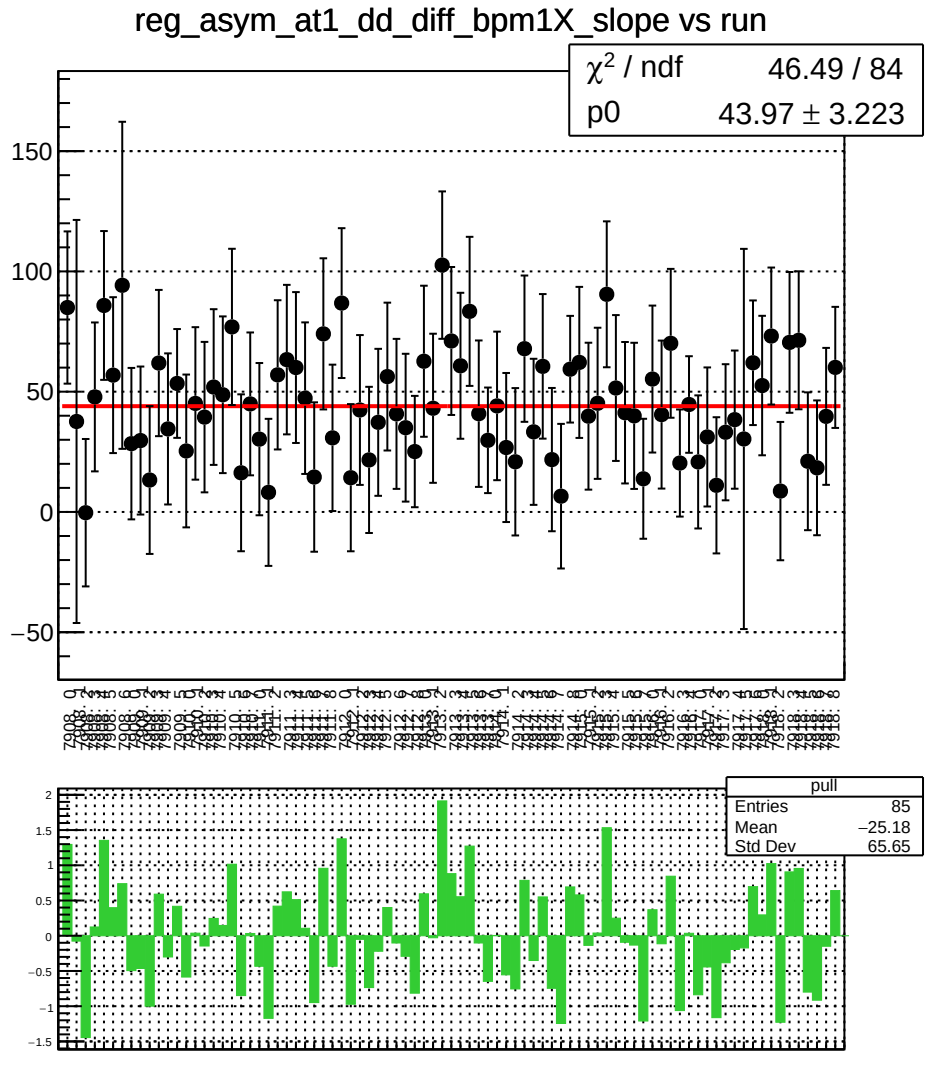

pull1D
Entries 85
Mean 0.02521
Std Dev 0.9999
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

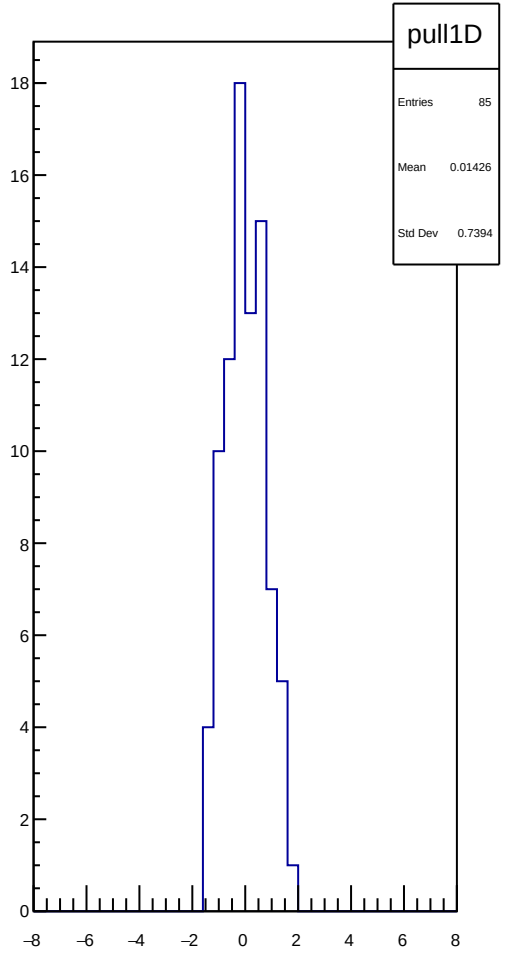

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.98 / 84
p0 1.441 ± 4.362
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −187.7
Std Dev 219.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

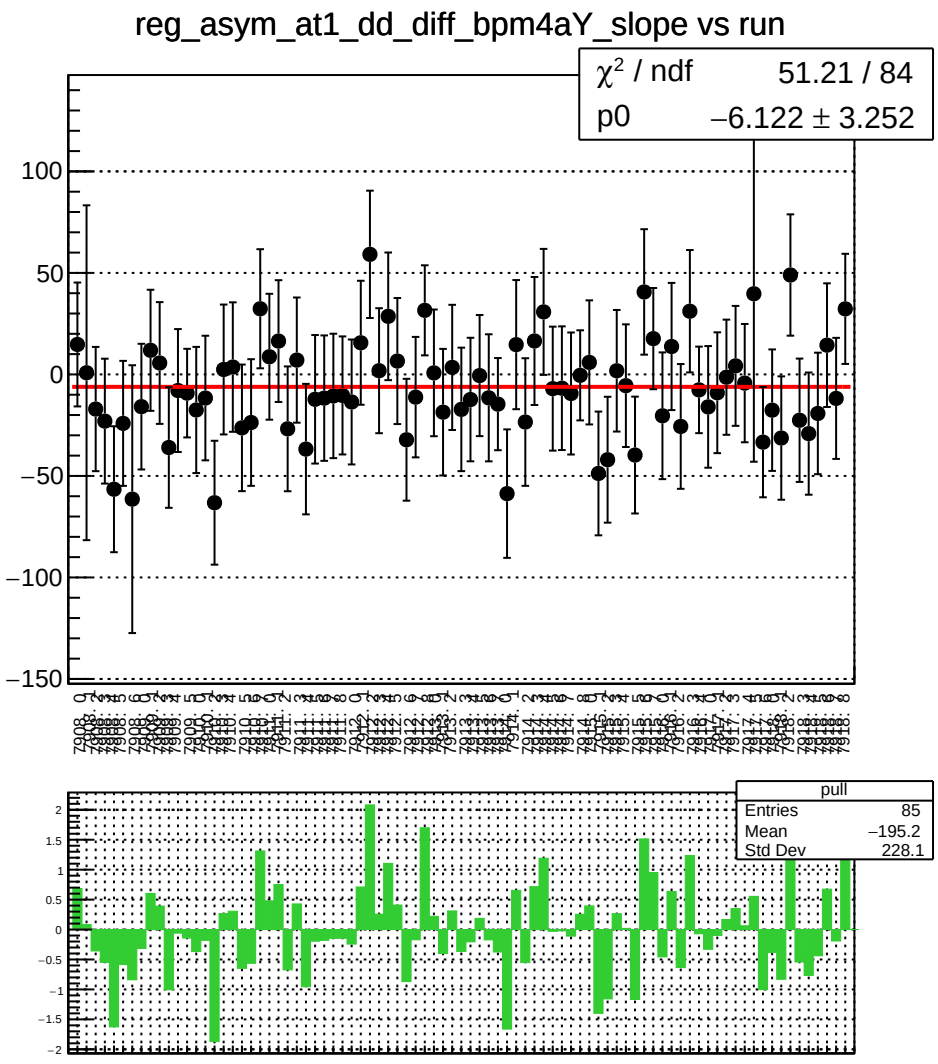

pull1D
Entries 85
Mean 0.01006
Std Dev 0.7667
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

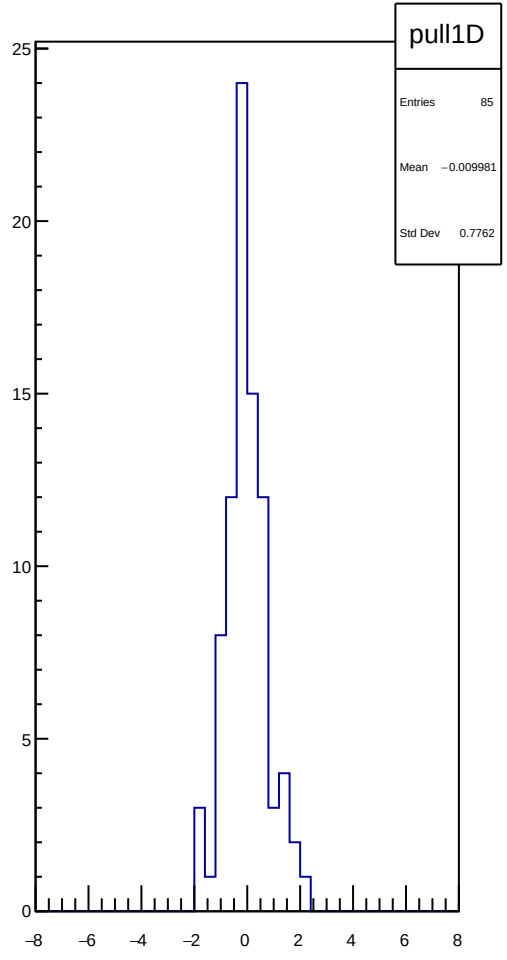

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1438 / 84
p0 −30.7 ± 0.1306
pull
Entries 85
Mean −46.13
Std Dev 95.86

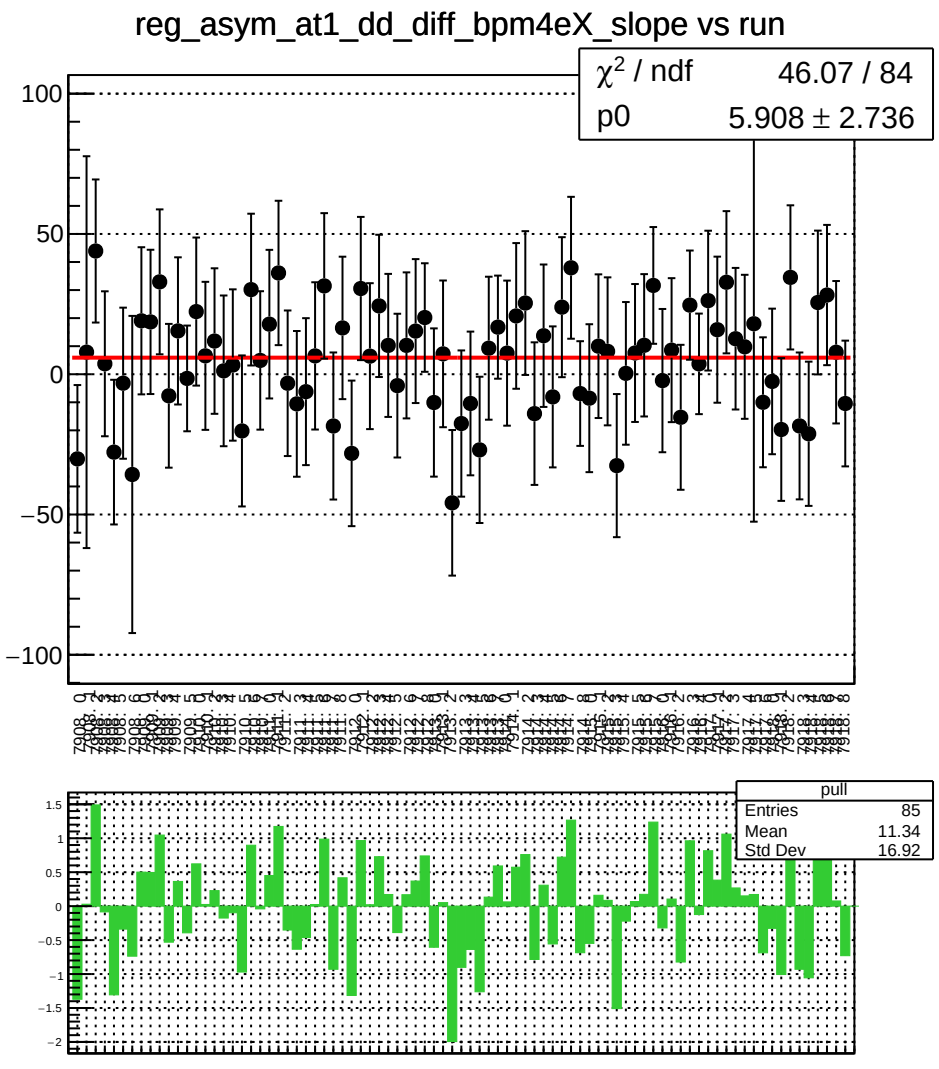

pull1D
Entries 85
Mean −0.3766
Std Dev 3.49

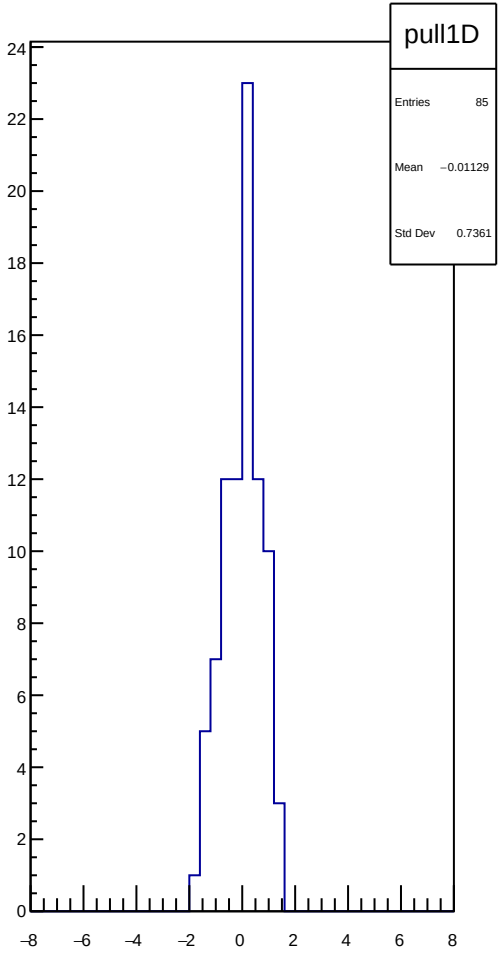

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 46.49 / 84
p0 43.97 ± 3.223
150
100
50
0
−50
pull
Entries 85
Mean −25.18
Std Dev 65.65
2
1.5
1
0.5
0
−0.5
−1
−1.5

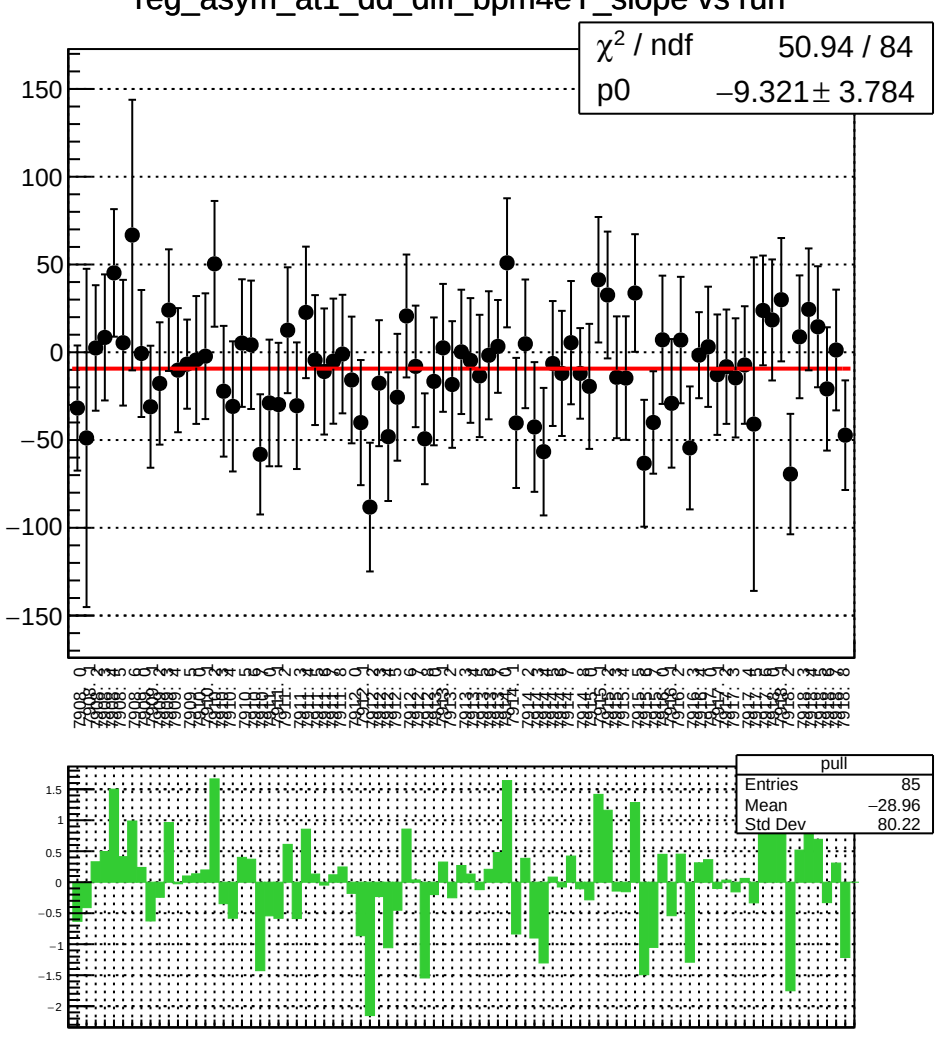

pull1D
Entries 85
Mean 0.01426
Std Dev 0.7394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

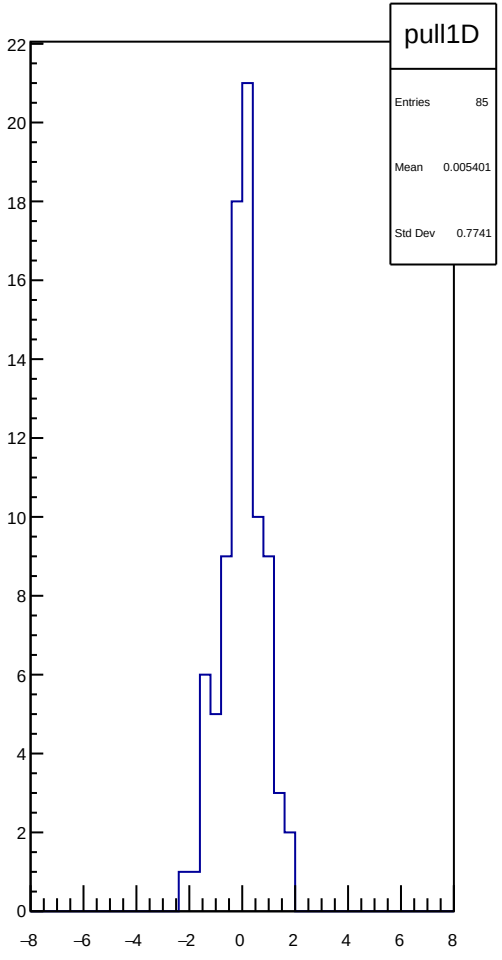

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.21 / 84
p0 −6.122 ± 3.252
100
50
0
−50
−100
−150
pull
Entries 85
Mean −195.2
Std Dev 228.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

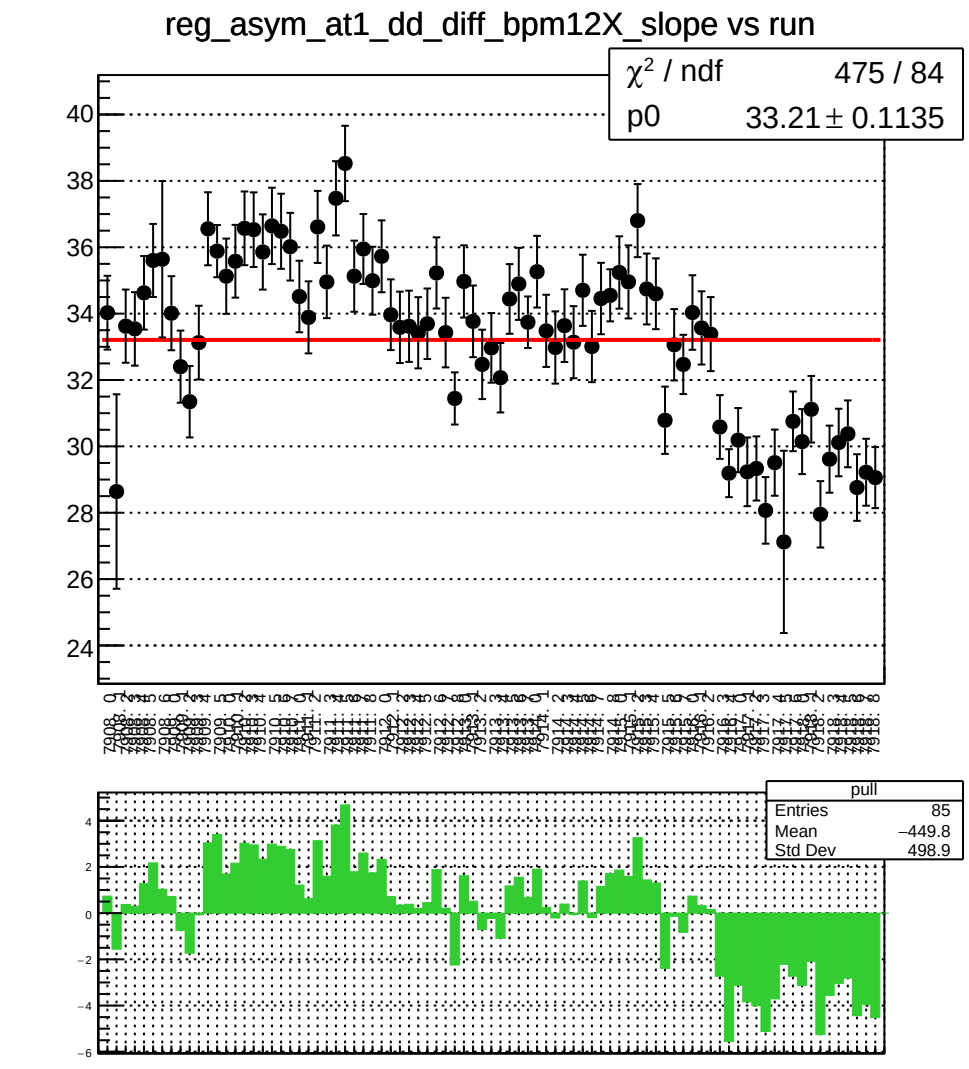

pull1D
Entries 85
Mean −0.009981
Std Dev 0.7762
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

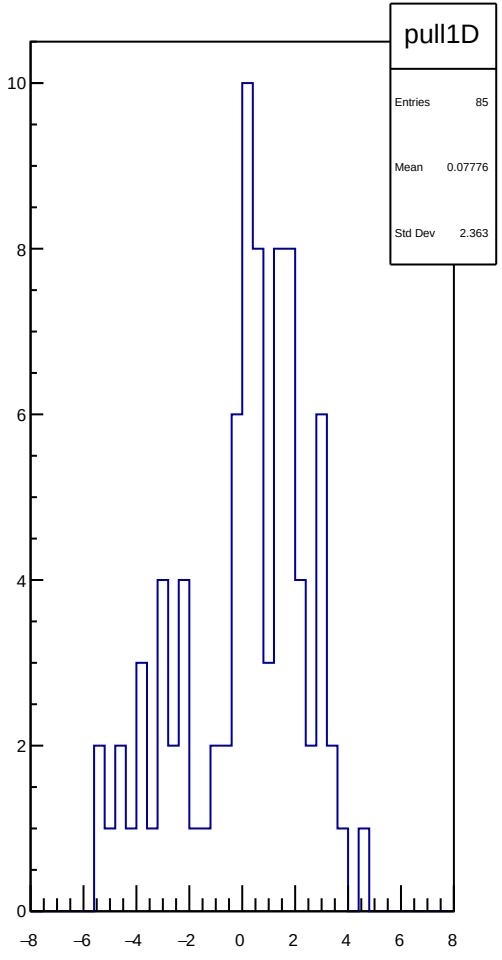

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.07 / 84
p0 5.908 ± 2.736
pull
Entries 85
Mean 11.34
Std Dev 16.92

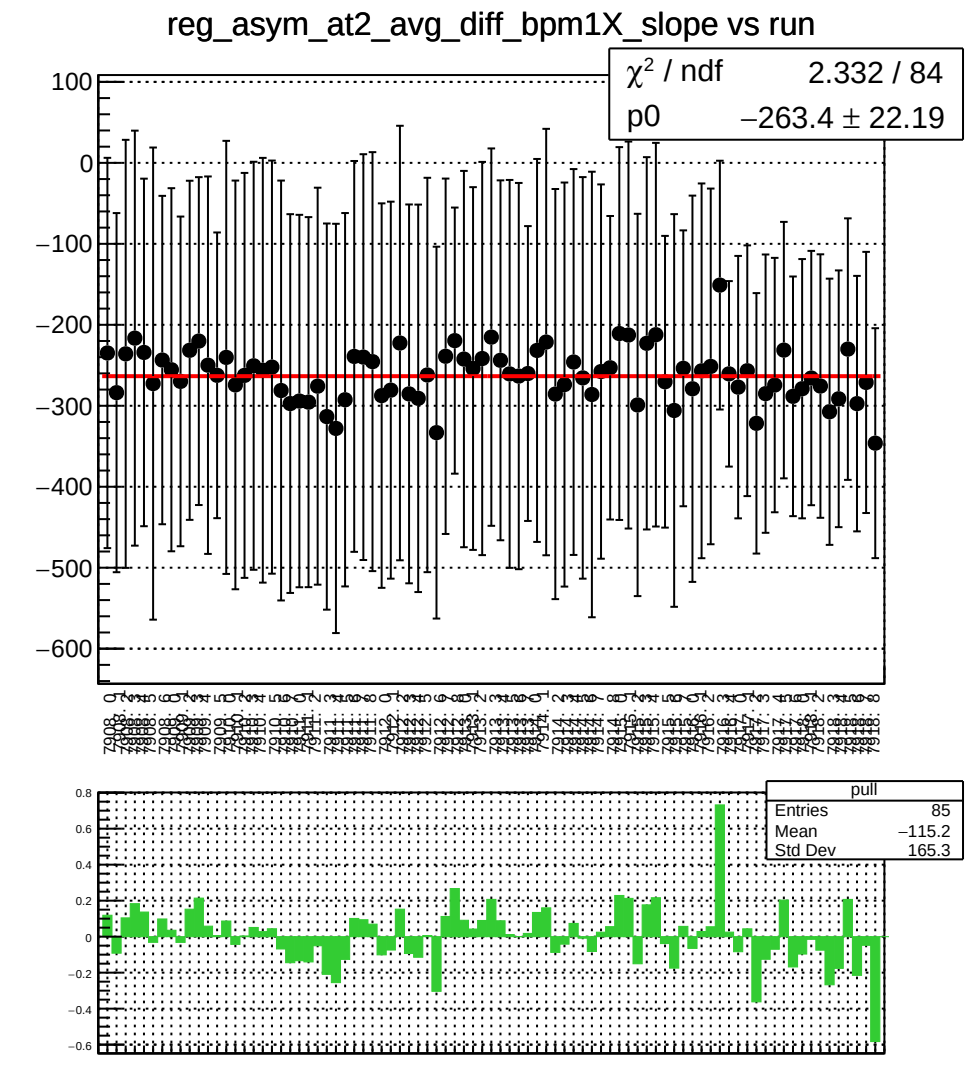

pull1D
Entries 85
Mean −0.01129
Std Dev 0.7361

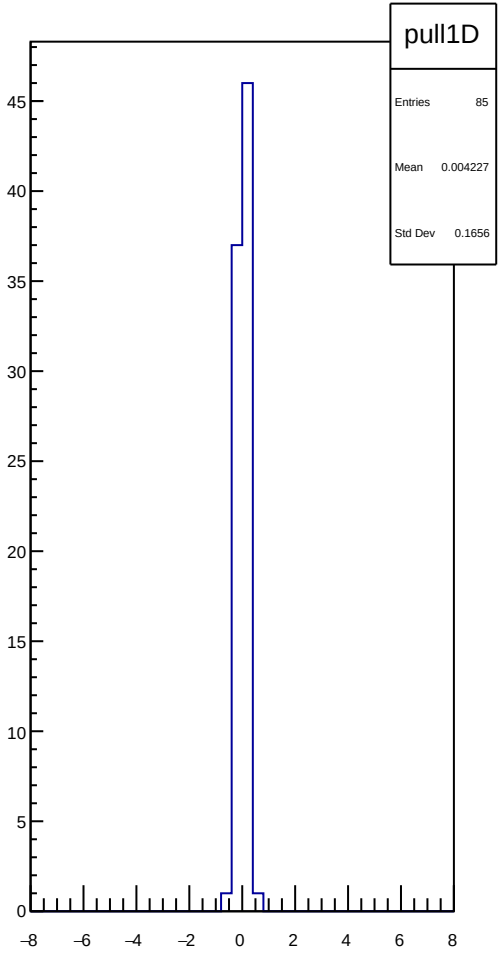

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.94 / 84
p0 −9.321 ± 3.784
pull
Entries 85
Mean −28.96
Std Dev 80.22

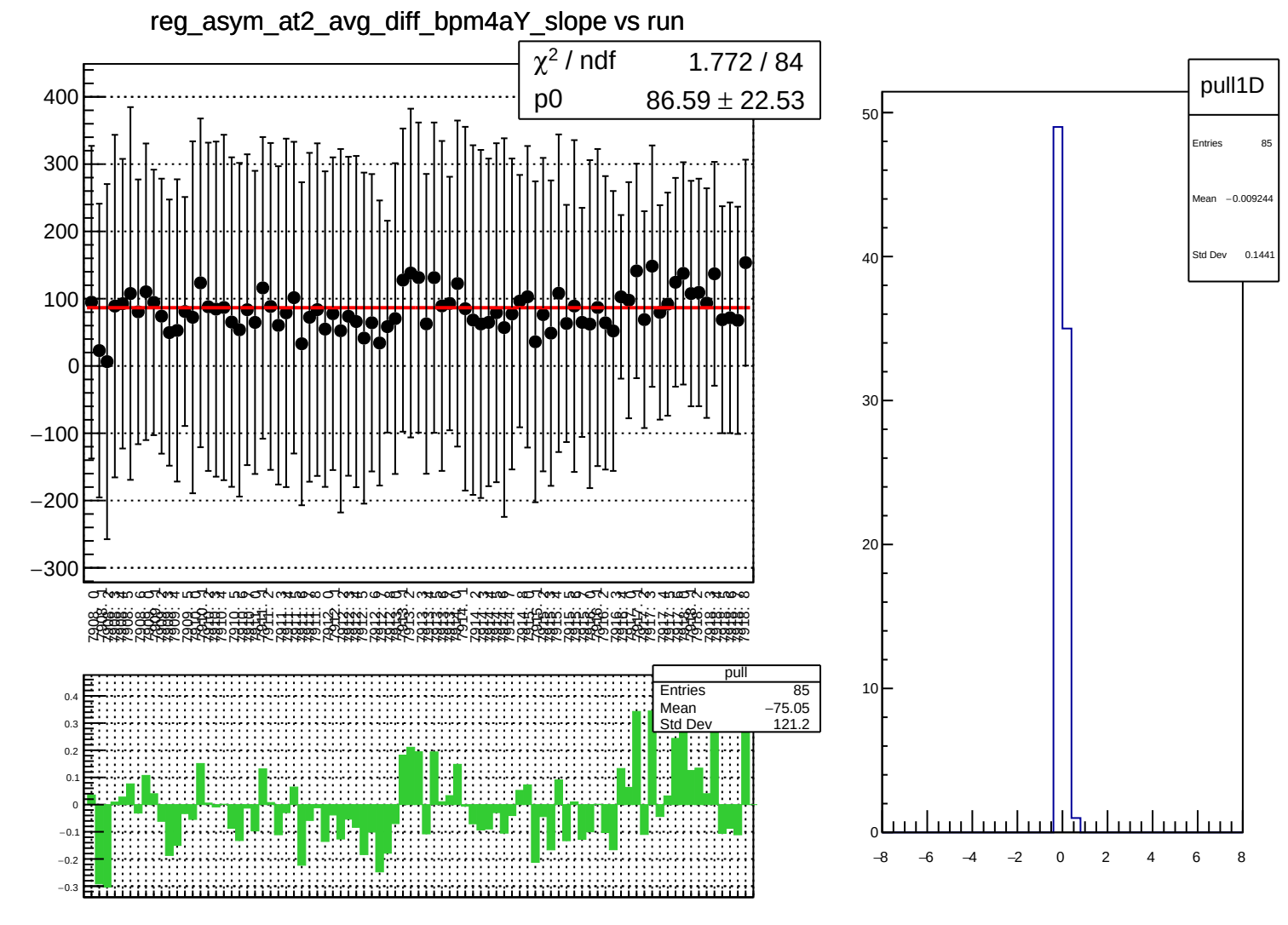

pull1D
Entries 85
Mean 0.005401
Std Dev 0.7741

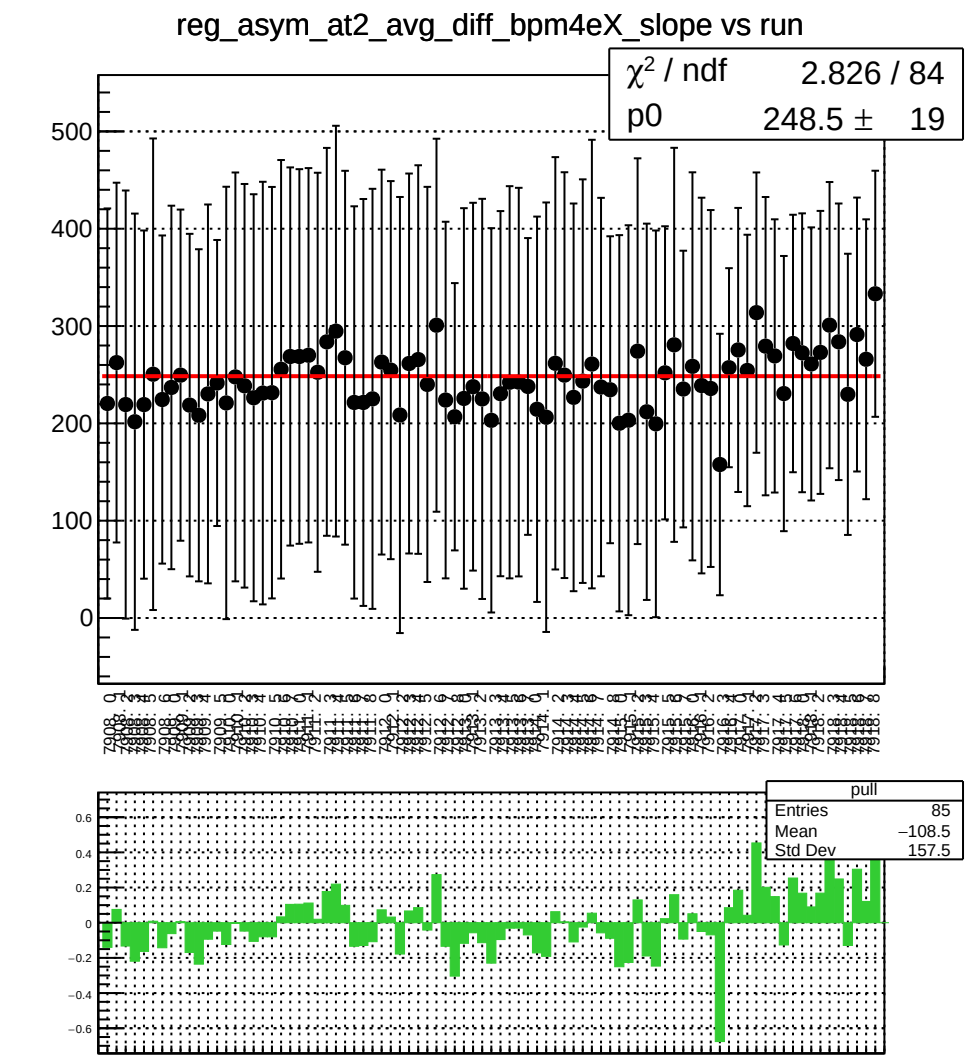

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 475 / 84
p0 33.21 ± 0.1135
pull
Entries 85
Mean −449.8
Std Dev 498.9

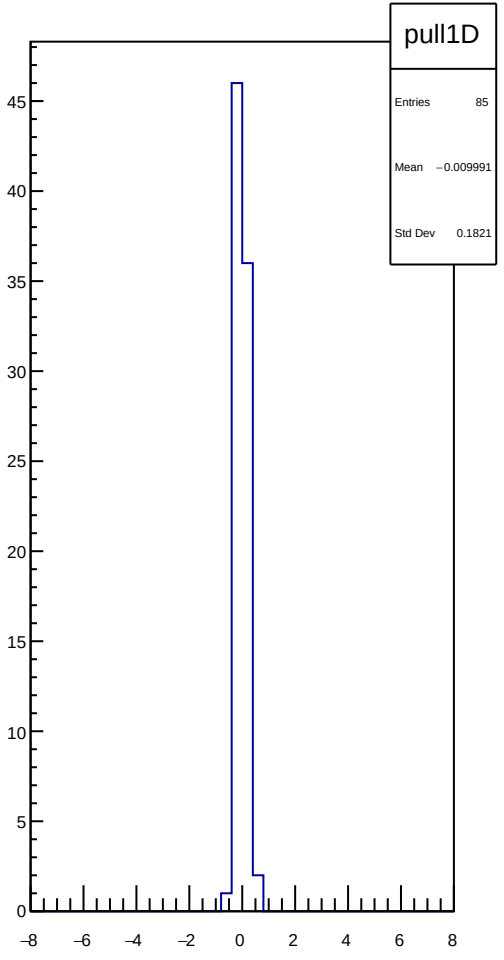

pull1D
Entries 85
Mean 0.07776
Std Dev 2.363

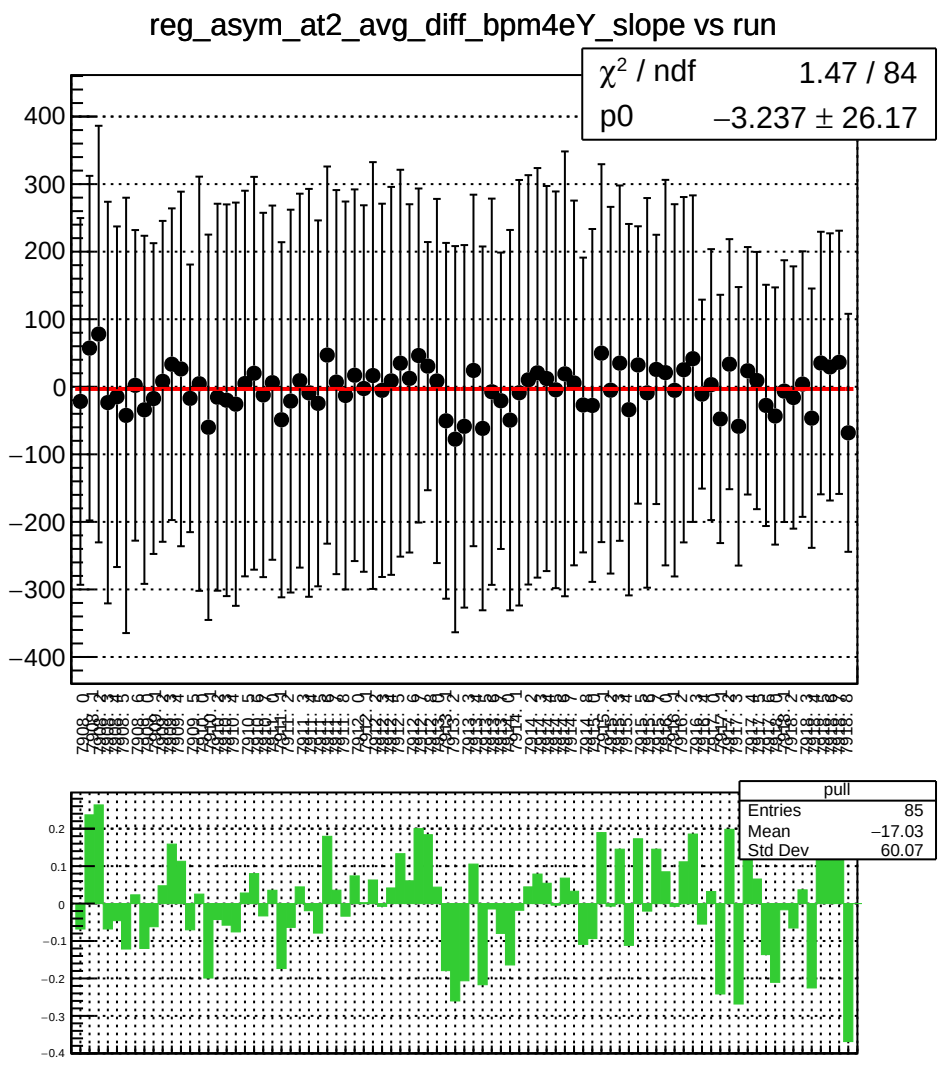

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 2.332 / 84
p0 −263.4 ± 22.19
pull
Entries 85
Mean −115.2
Std Dev 165.3

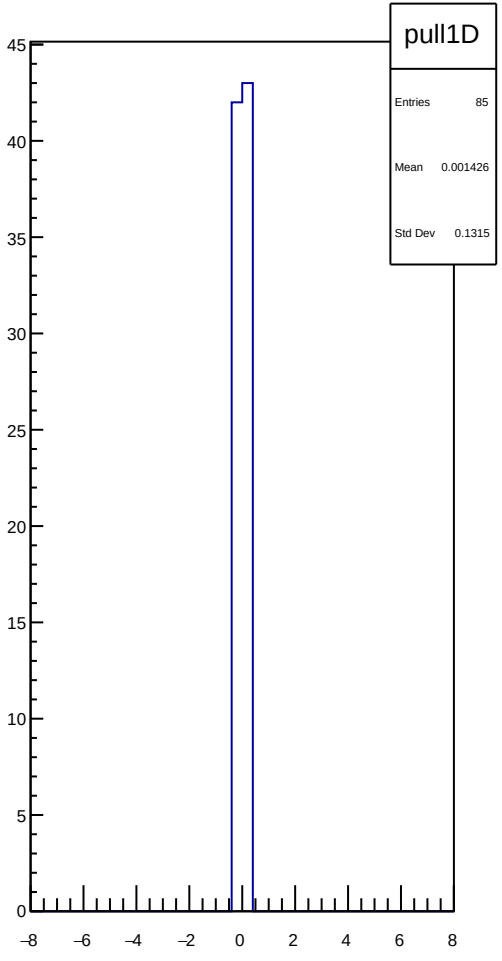

pull1D
Entries 85
Mean 0.004227
Std Dev 0.1656

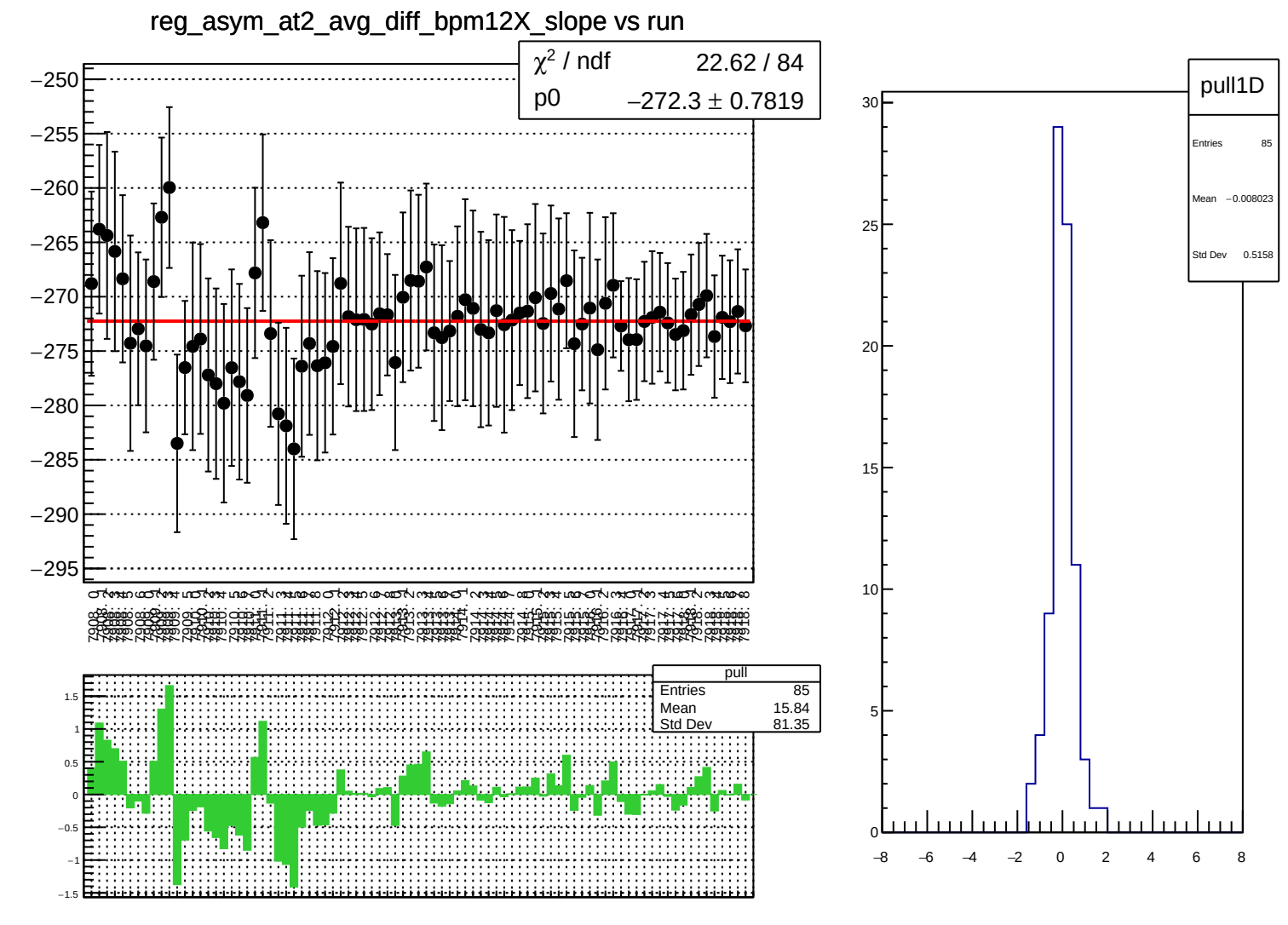

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.772 / 84
p0 86.59 ± 22.53
pull
Entries 85
Mean −75.05
Std Dev 121.2
pull1D
Entries 85
Mean −0.009244
Std Dev 0.1441

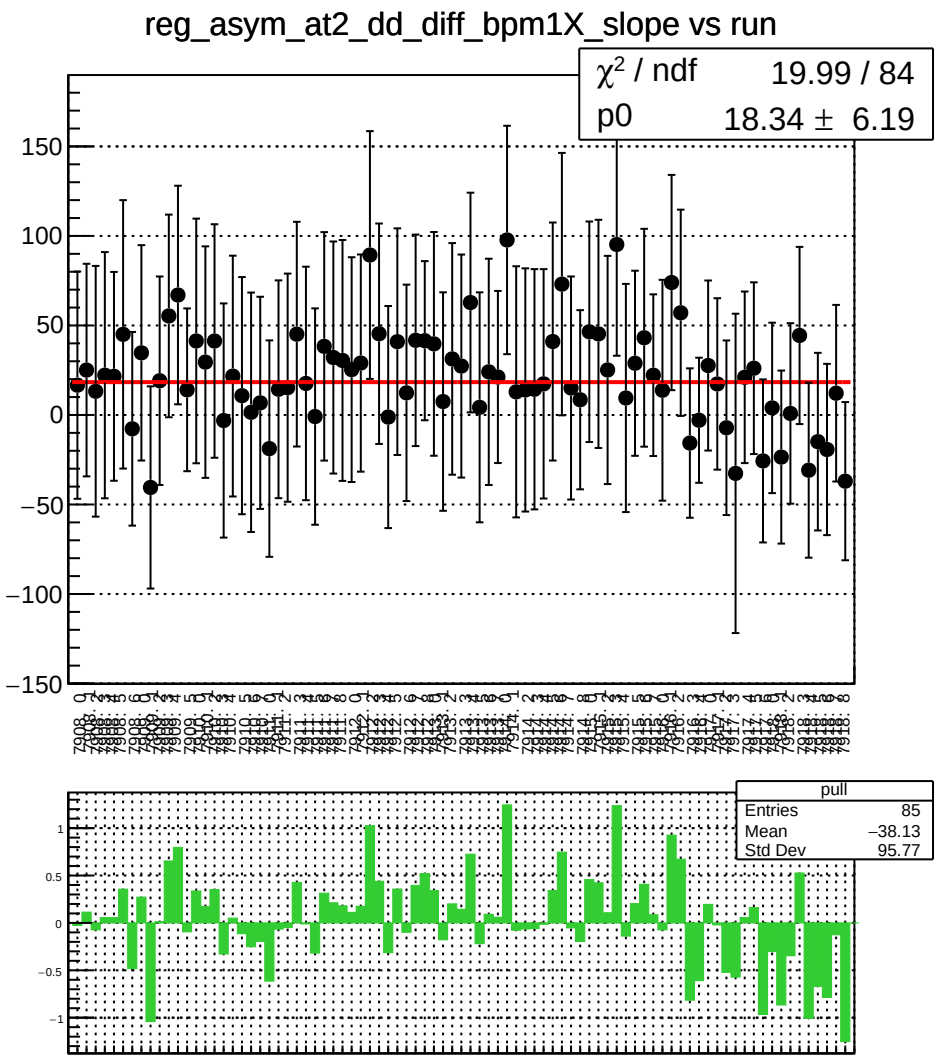

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.826 / 84
p0 248.5 ± 19
pull
Entries 85
Mean −108.5
Std Dev 157.5

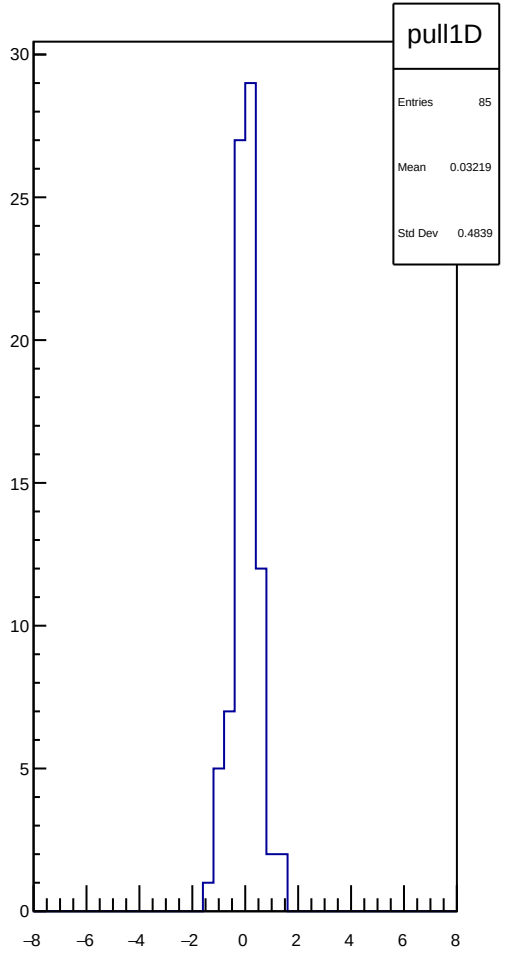

pull1D
Entries 85
Mean −0.009991
Std Dev 0.1821

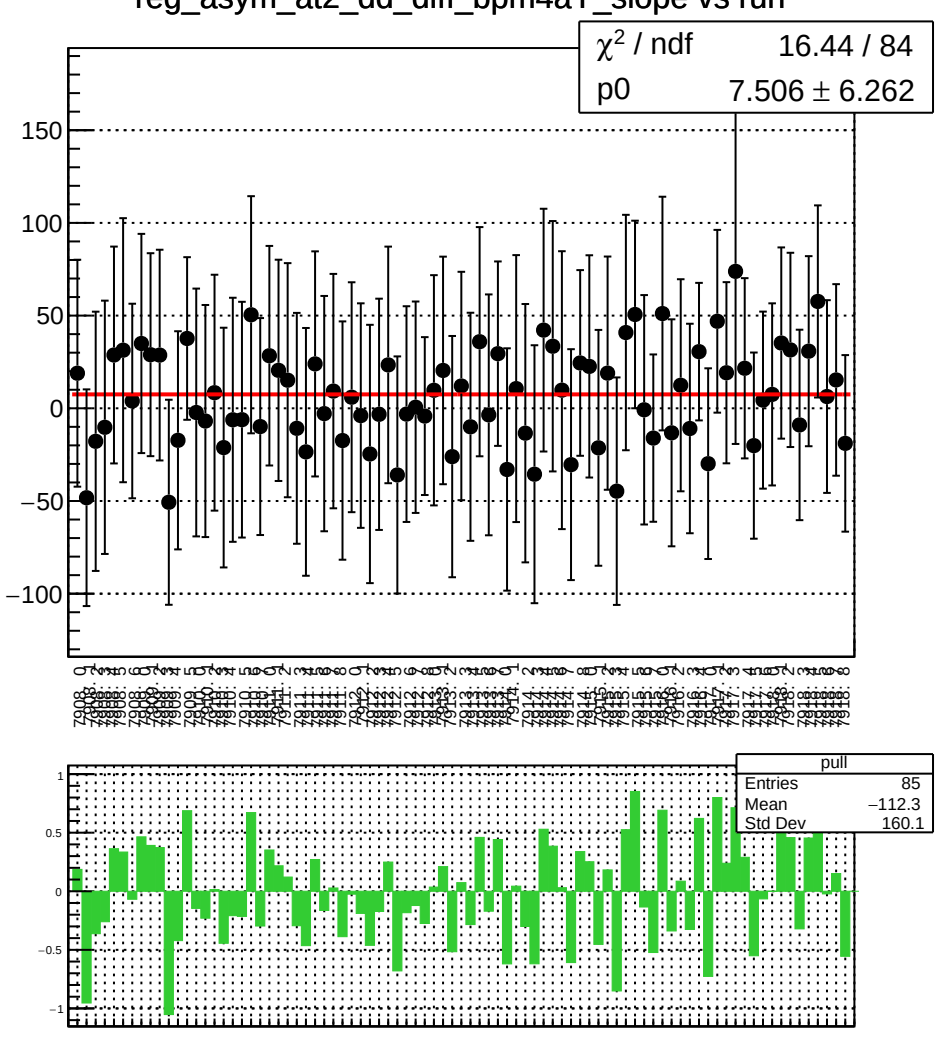

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.47 / 84
p0 −3.237 ± 26.17
pull
Entries 85
Mean −17.03
Std Dev 60.07

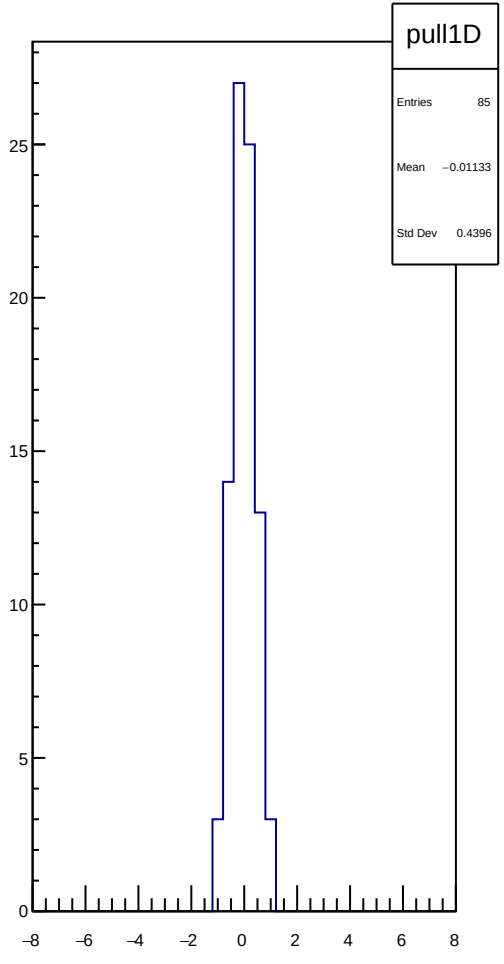

pull1D
Entries 85
Mean 0.001426
Std Dev 0.1315

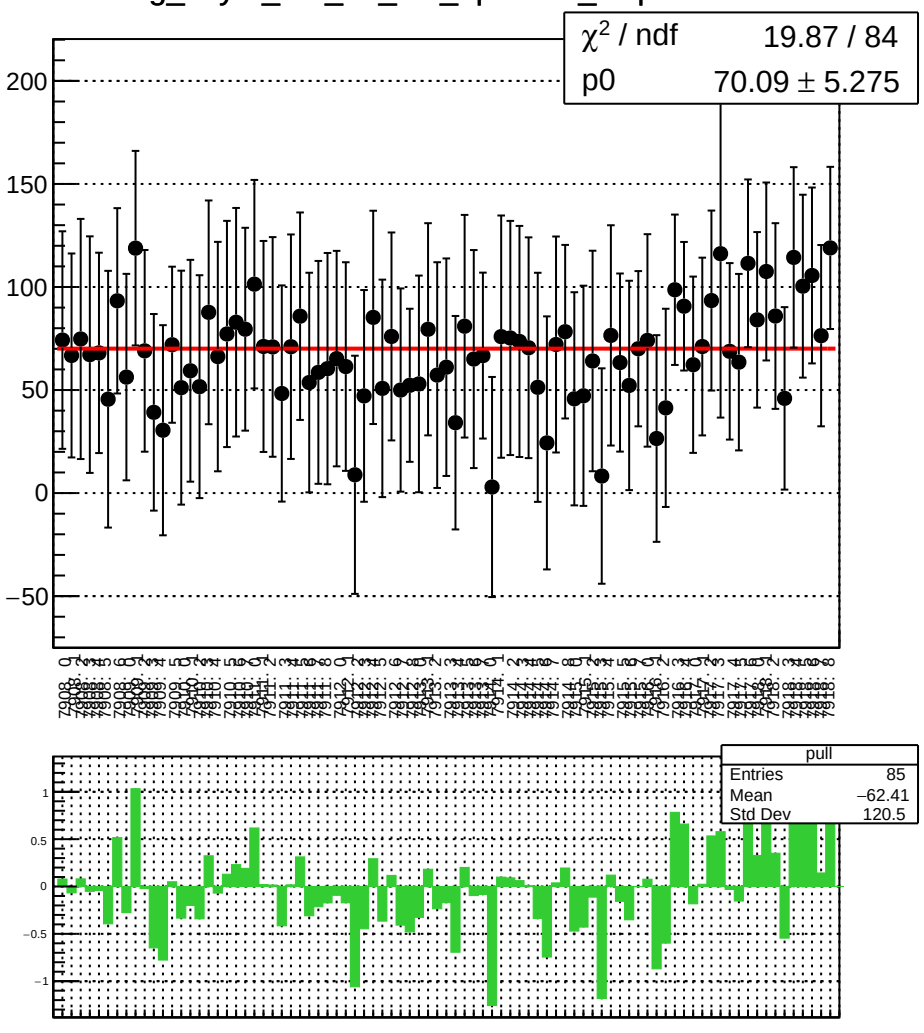

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.62 / 84
p0 −272.3 ± 0.7819
pull
Entries 85
Mean 15.84
Std Dev 81.35
pull1D
Entries 85
Mean −0.008023
Std Dev 0.5158

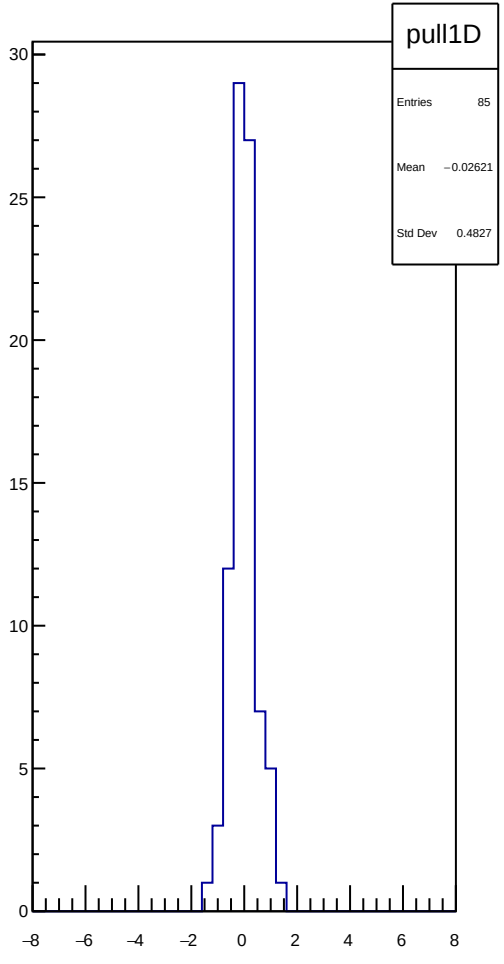

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 19.99 / 84
p0 18.34 ± 6.19
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −38.13
Std Dev 95.77
1
0.5
0
−0.5
−1

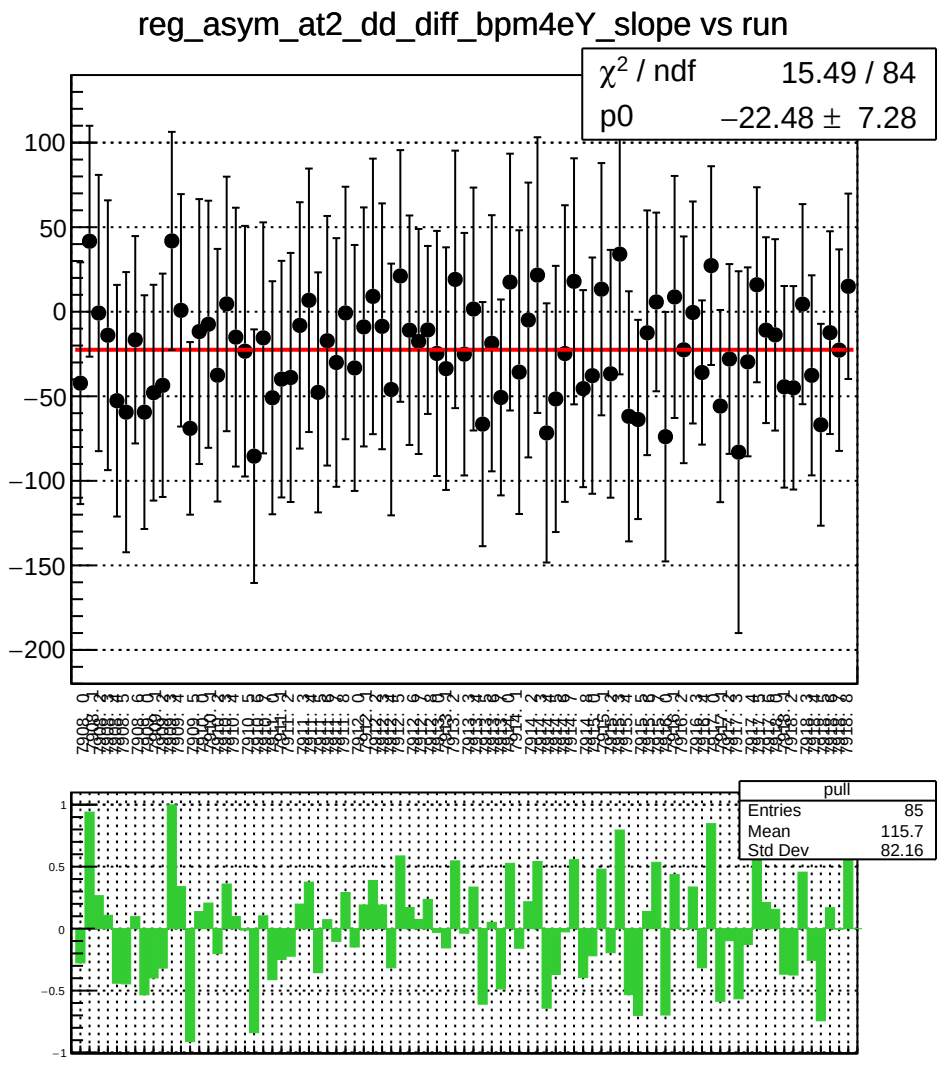

pull1D
Entries 85
Mean 0.03219
Std Dev 0.4839
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

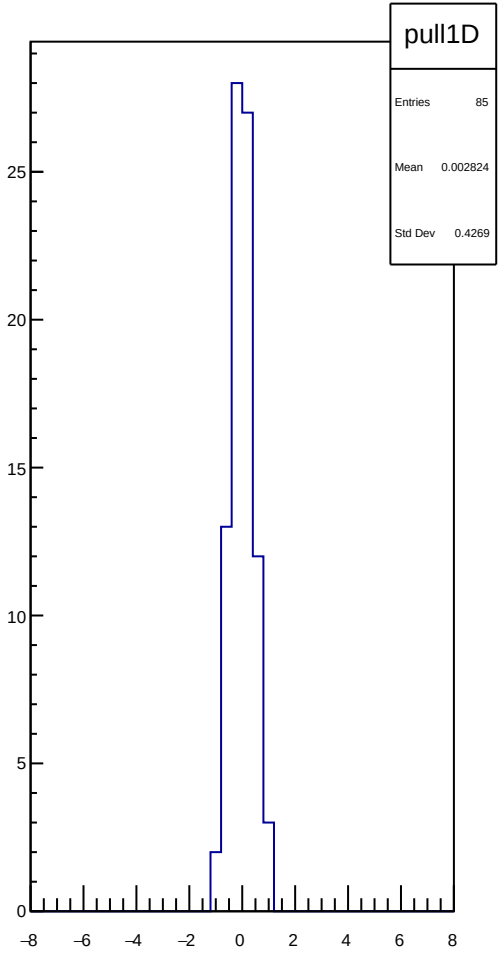

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.44 / 84
p0 7.506 ± 6.262
150
100
50
0
−50
−100
pull
Entries 85
Mean −112.3
Std Dev 160.1
1
0.5
0
−0.5
−1

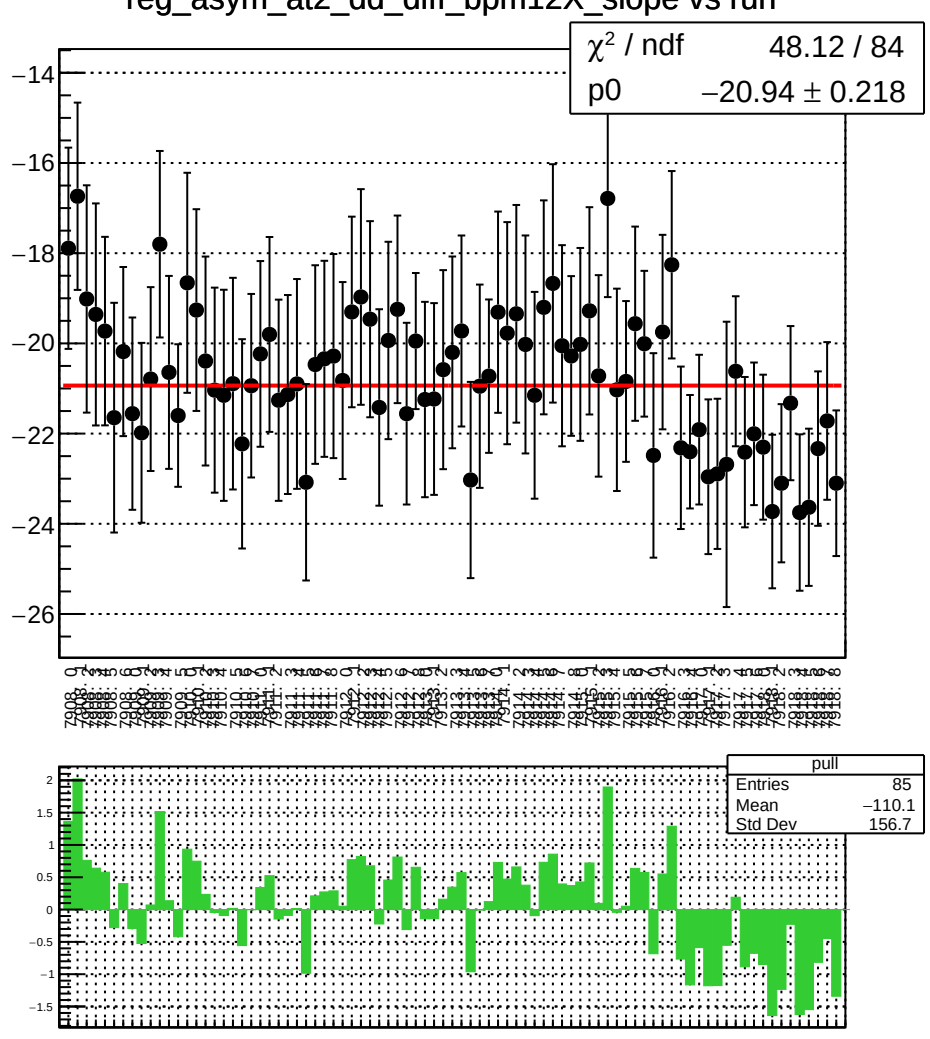

pull1D
Entries 85
Mean −0.01133
Std Dev 0.4396
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

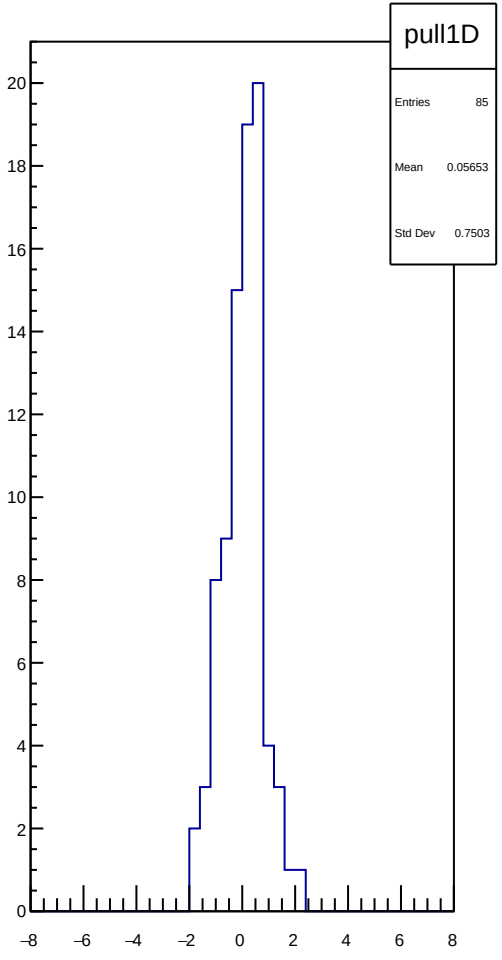

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.87 / 84
p0 70.09 ± 5.275
200
150
100
50
0
−50
pull
Entries 85
Mean −62.41
Std Dev 120.5
1
0.5
0
−0.5
−1

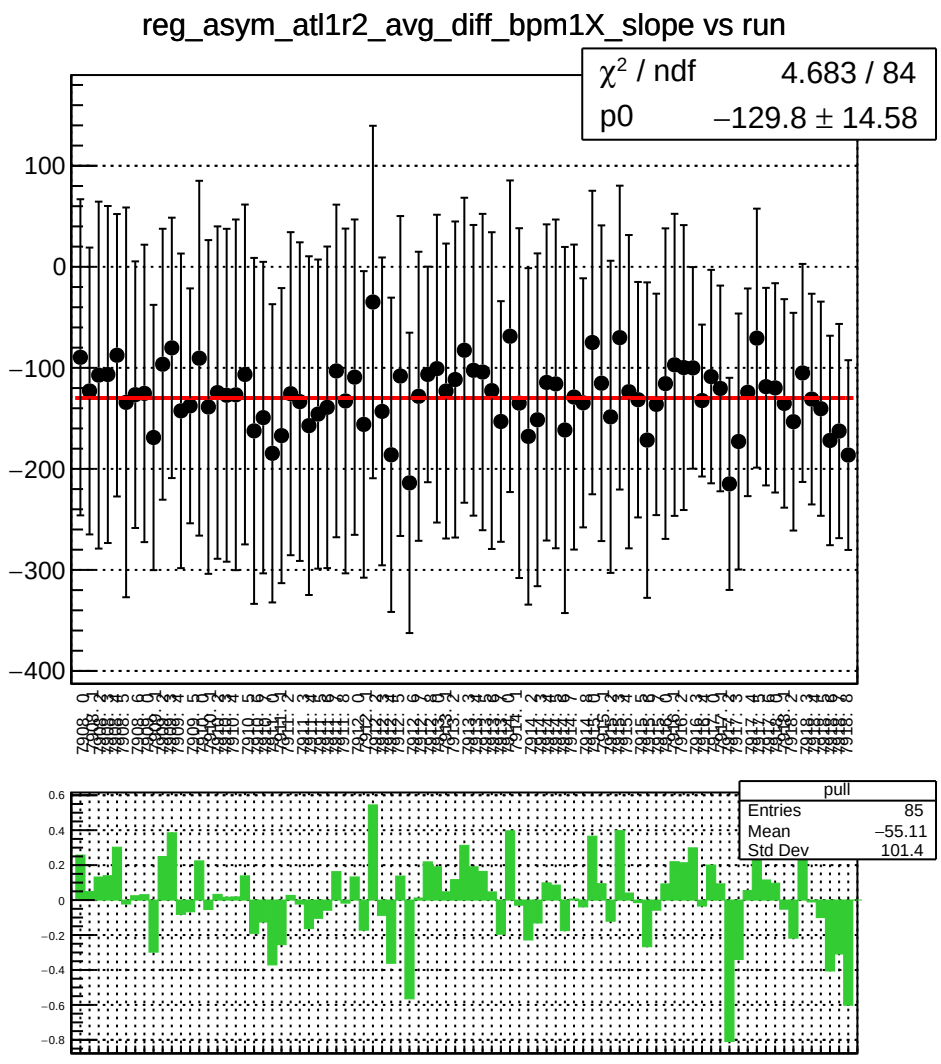

pull1D
Entries 85
Mean −0.02621
Std Dev 0.4827
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

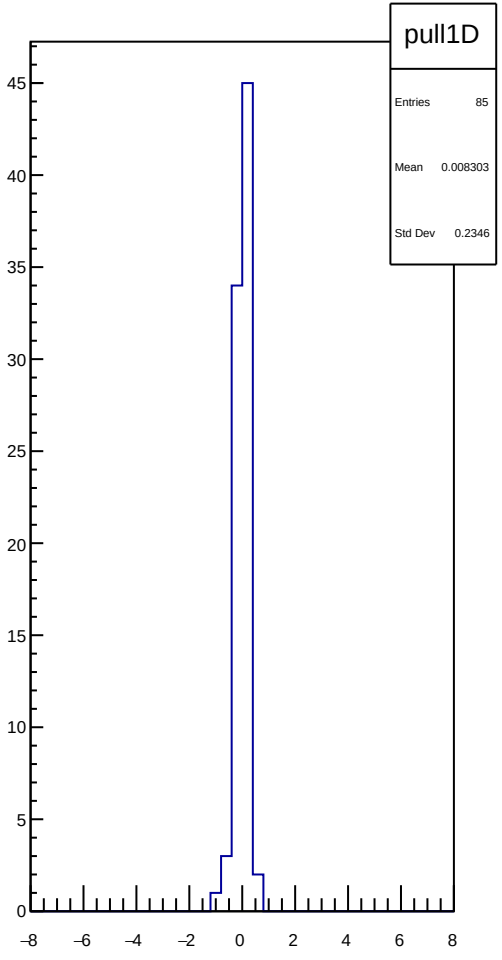

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.49 / 84
p0 −22.48 ± 7.28
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 115.7
Std Dev 82.16
1
0.5
0
−0.5
−1

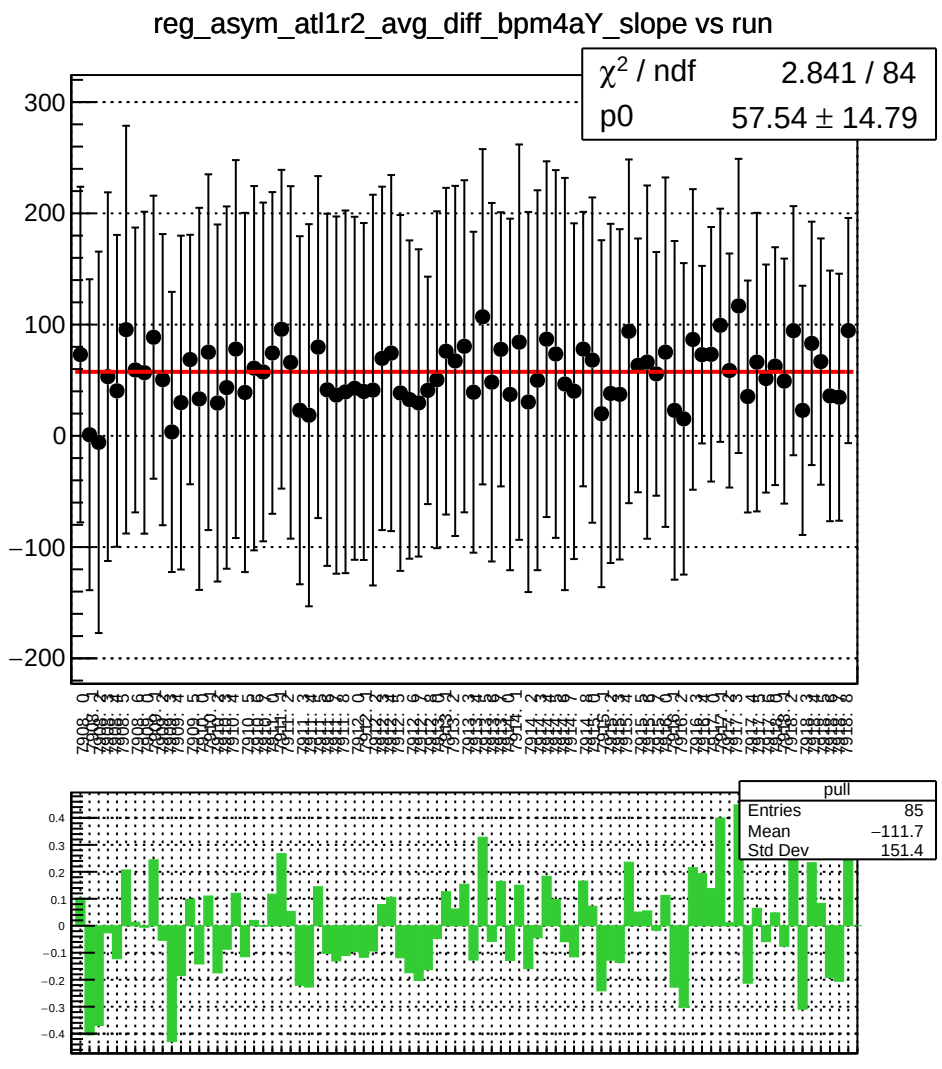

pull1D
Entries 85
Mean 0.002824
Std Dev 0.4269
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

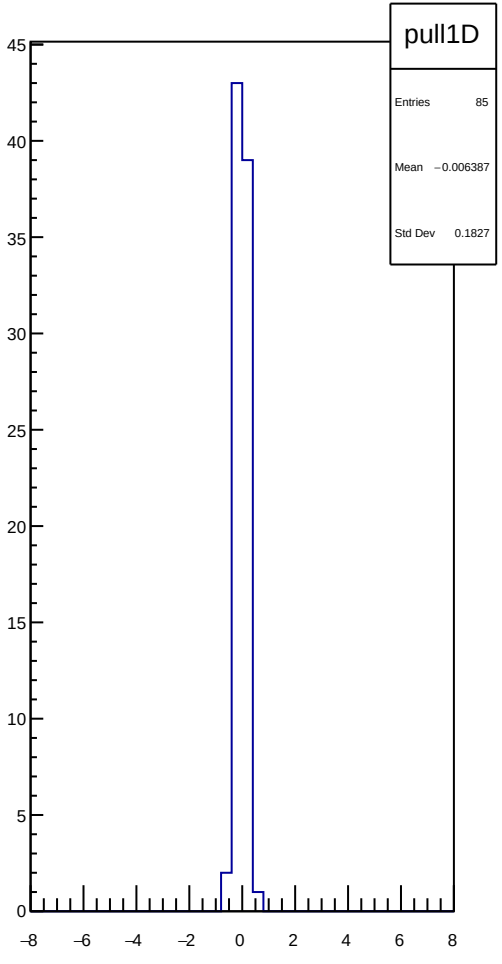

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 48.12 / 84
p0 −20.94 ± 0.218
pull
Entries 85
Mean −110.1
Std Dev 156.7

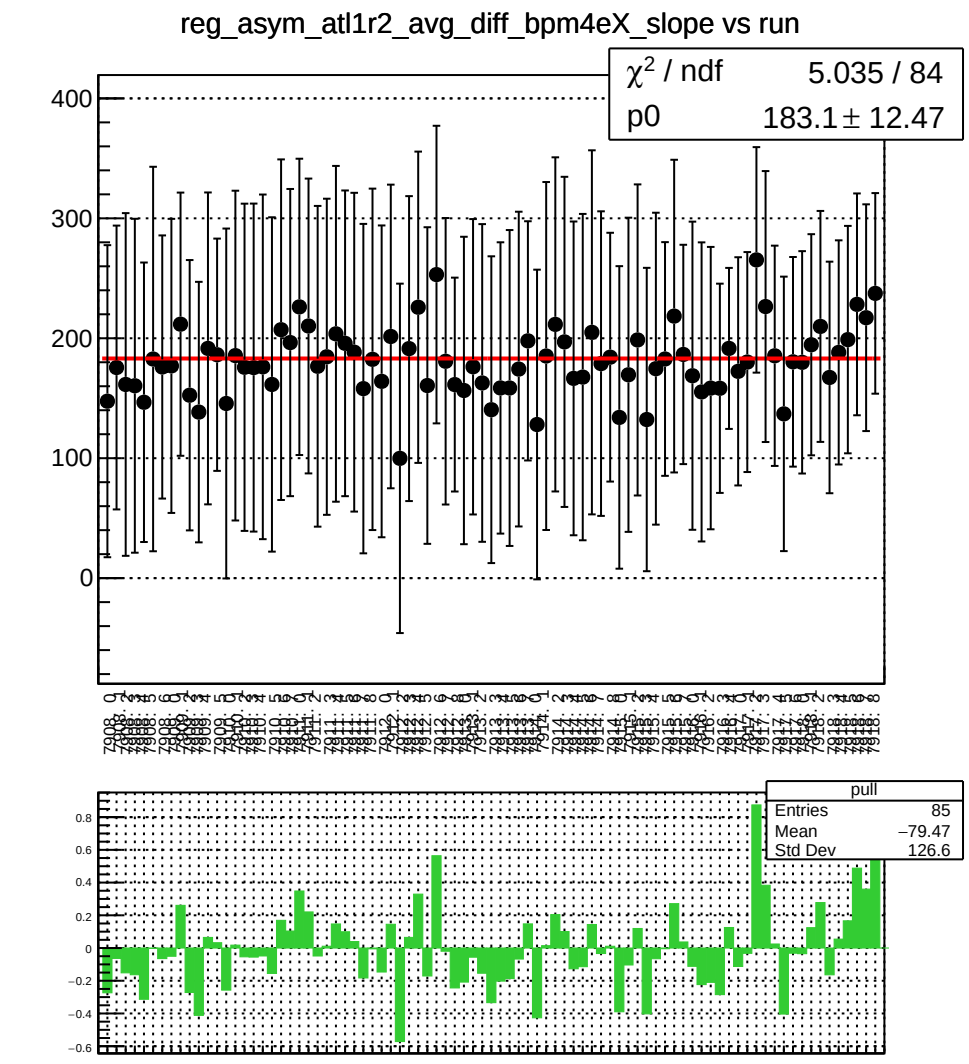

pull1D
Entries 85
Mean 0.05653
Std Dev 0.7503

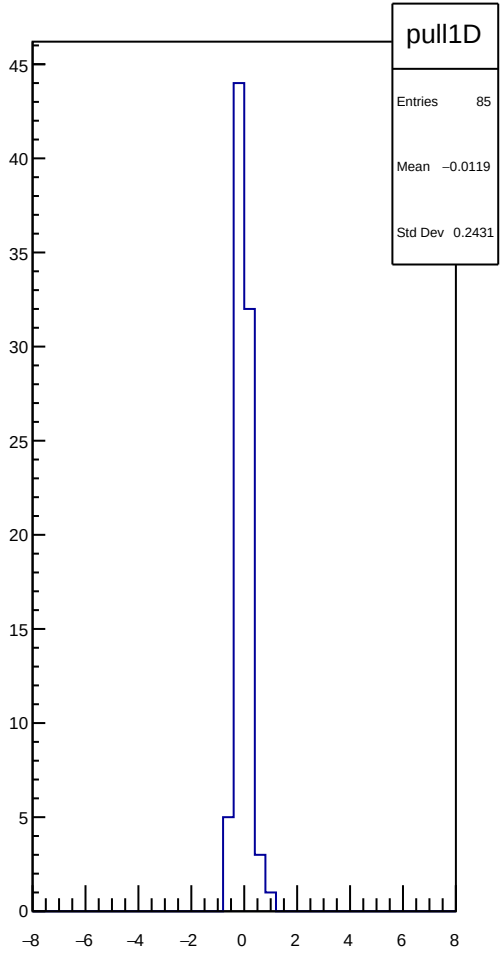

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.683 / 84
p0 −129.8 ± 14.58
pull
Entries 85
Mean −55.11
Std Dev 101.4

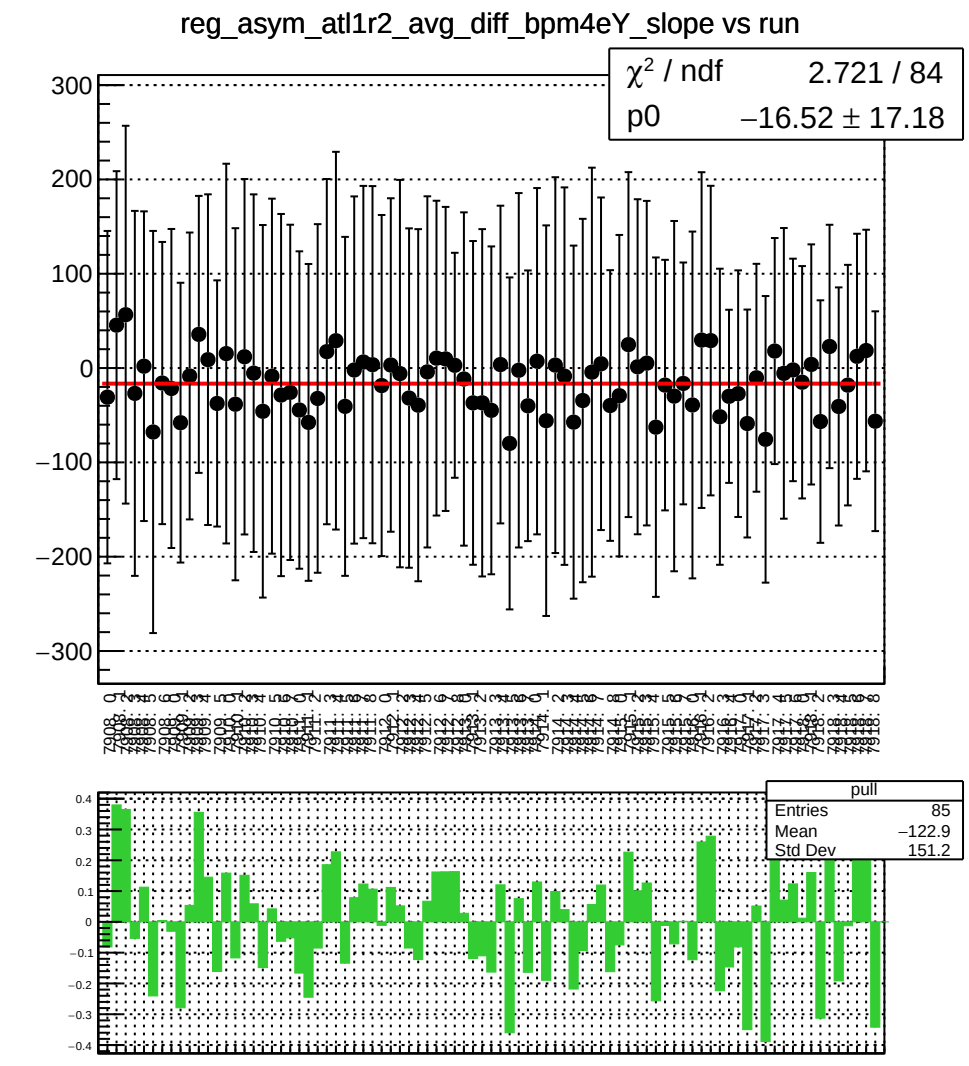

pull1D
Entries 85
Mean 0.008303
Std Dev 0.2346

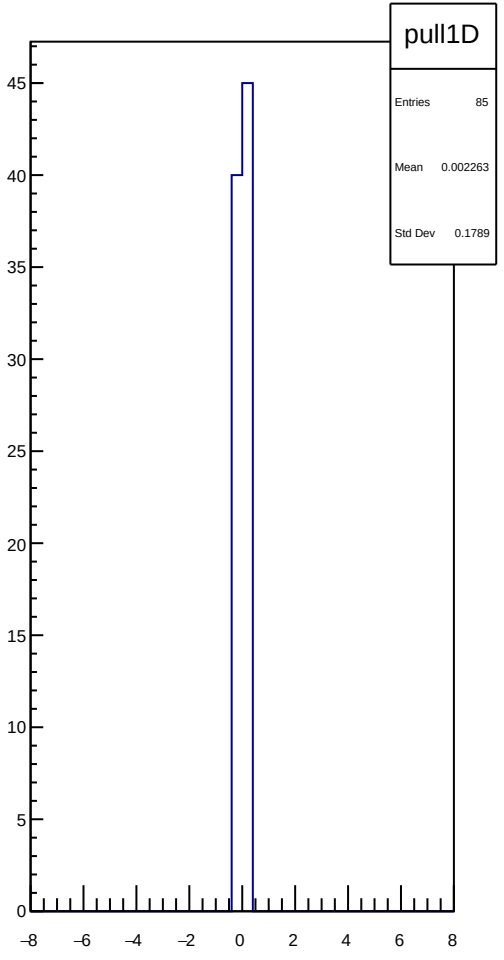

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.841 / 84
p0 57.54 ± 14.79
pull
Entries 85
Mean −111.7
Std Dev 151.4

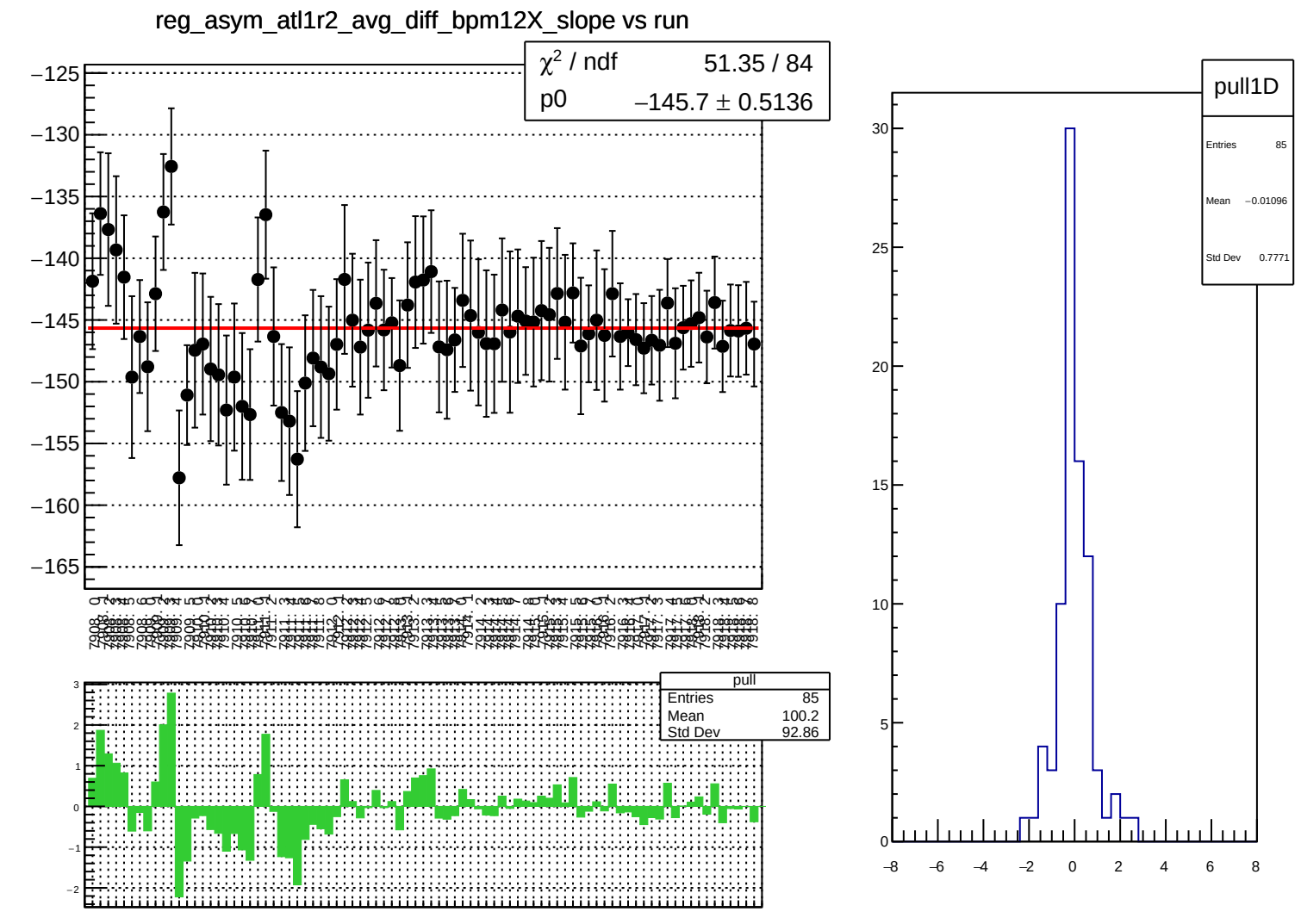

pull1D
Entries 85
Mean −0.006387
Std Dev 0.1827

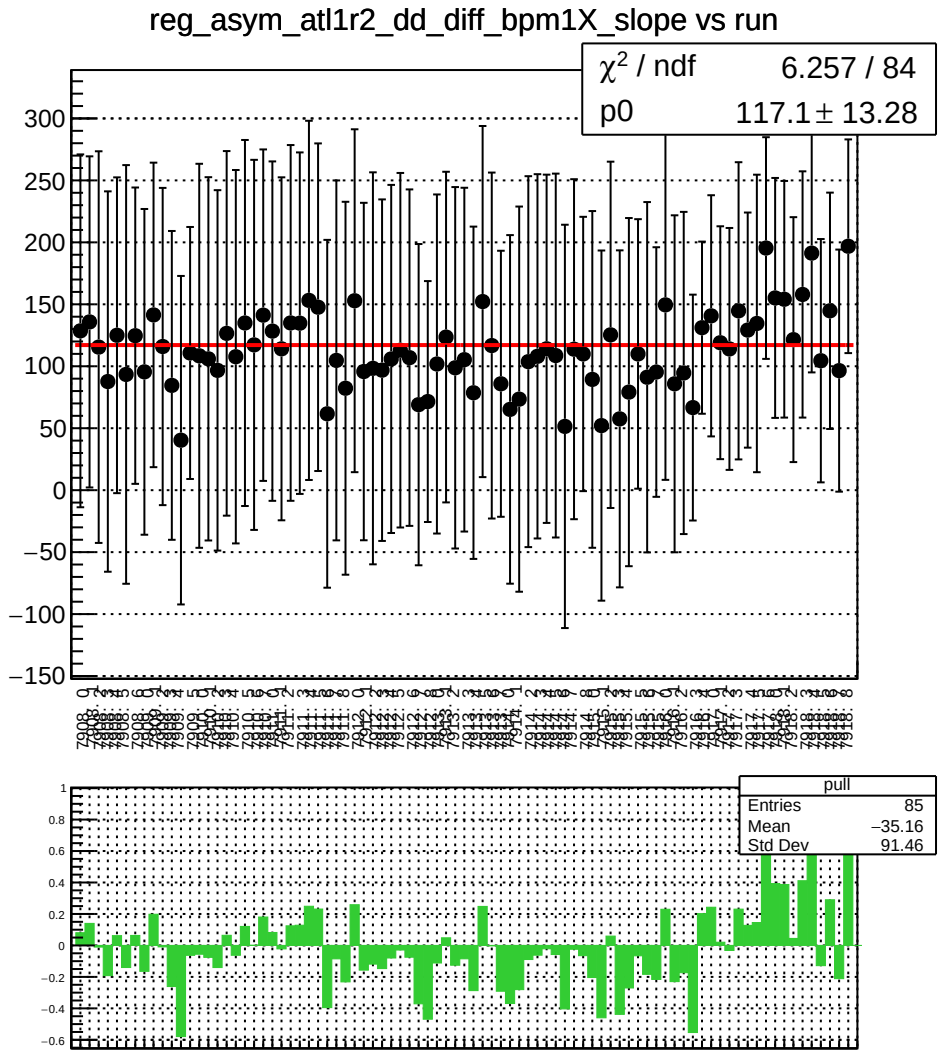

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.035 / 84
p0 183.1 ± 12.47
400
300
200
100
0
pull
Entries 85
Mean −79.47
Std Dev 126.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

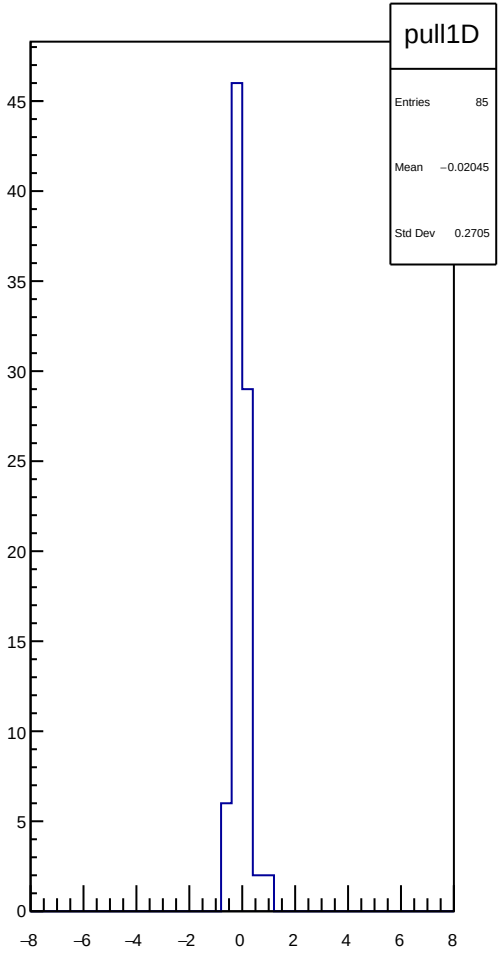

pull1D
Entries 85
Mean −0.0119
Std Dev 0.2431
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

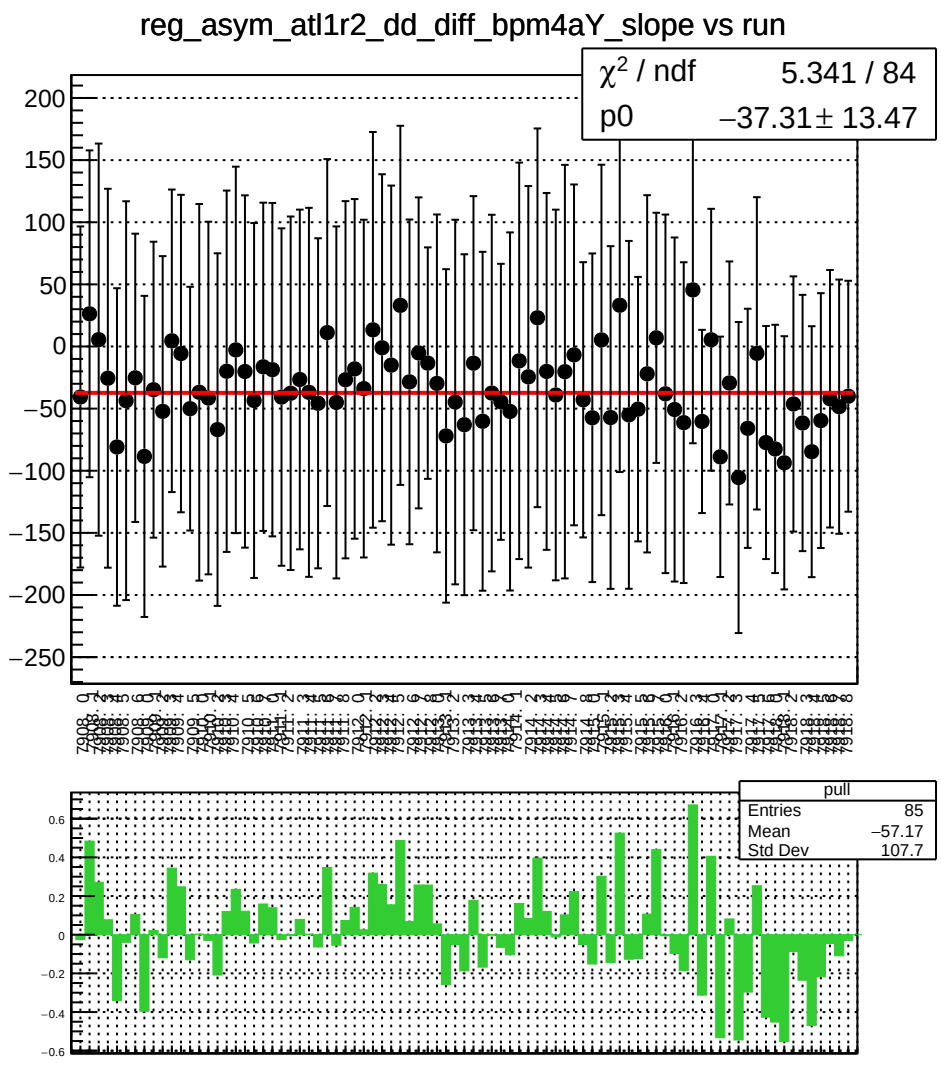

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.721 / 84
p0 −16.52 ± 17.18
pull
Entries 85
Mean −122.9
Std Dev 151.2

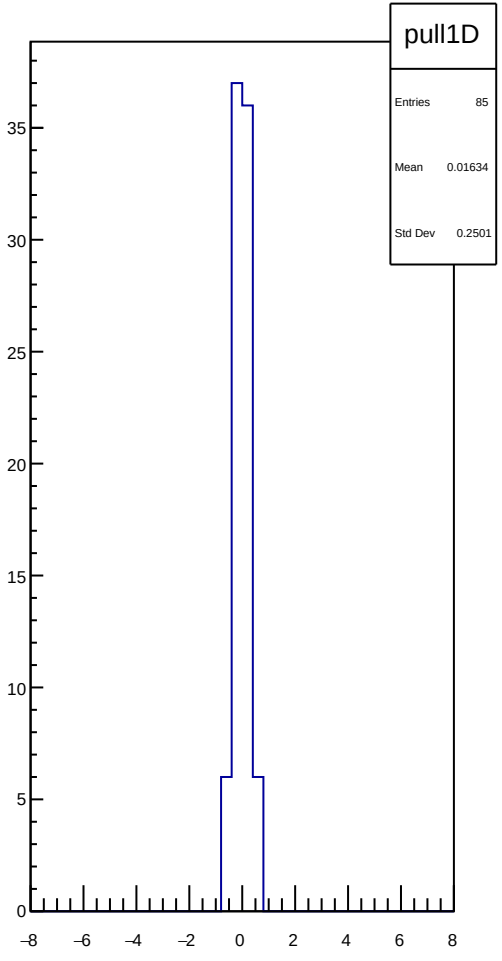

pull1D
Entries 85
Mean 0.002263
Std Dev 0.1789

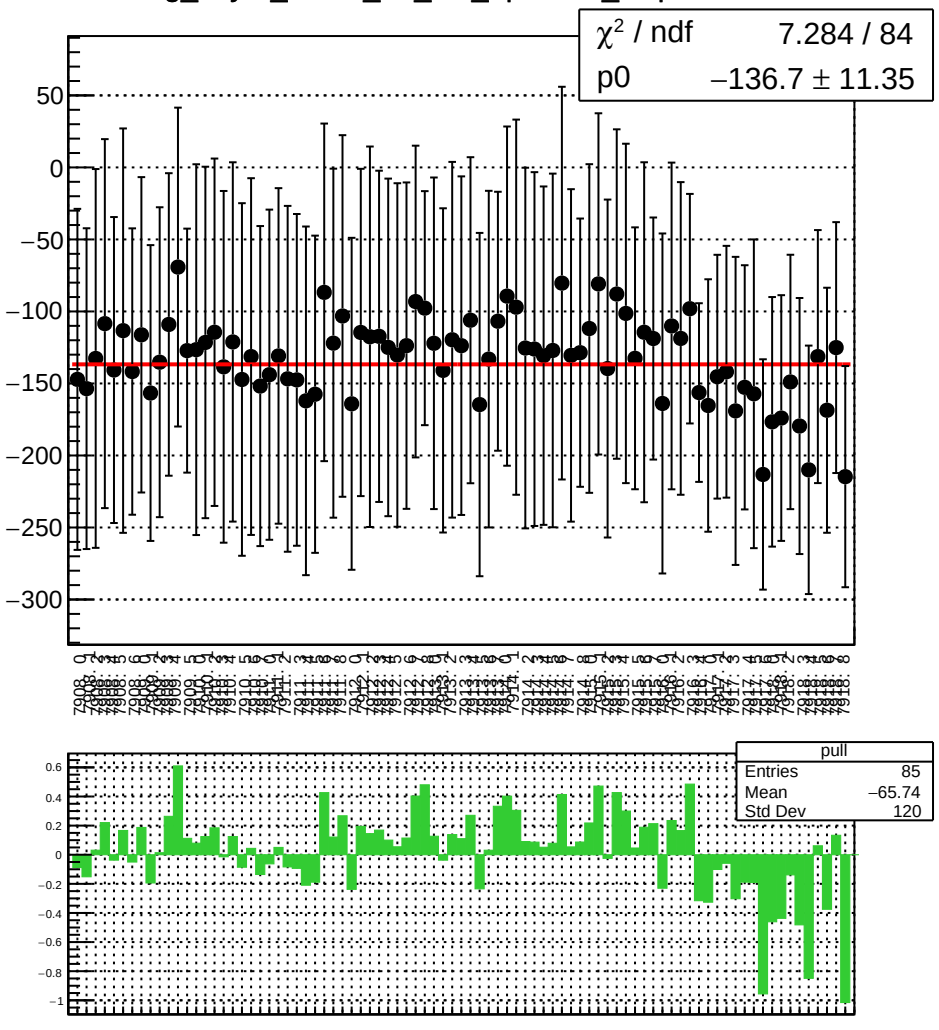

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 51.35 / 84
p0 −145.7 ± 0.5136
pull
Entries 85
Mean 100.2
Std Dev 92.86
pull1D
Entries 85
Mean −0.01096
Std Dev 0.7771

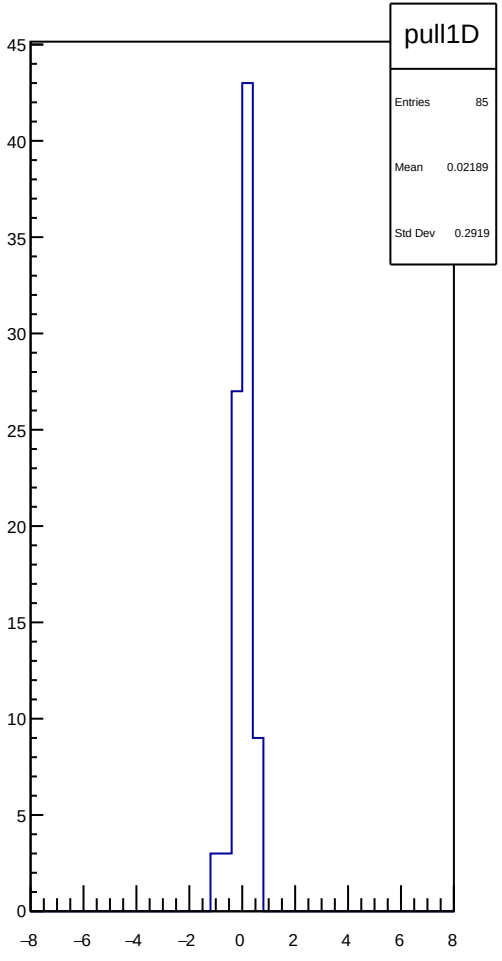

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.257 / 84
p0 117.1 ± 13.28
pull
Entries 85
Mean −35.16
Std Dev 91.46

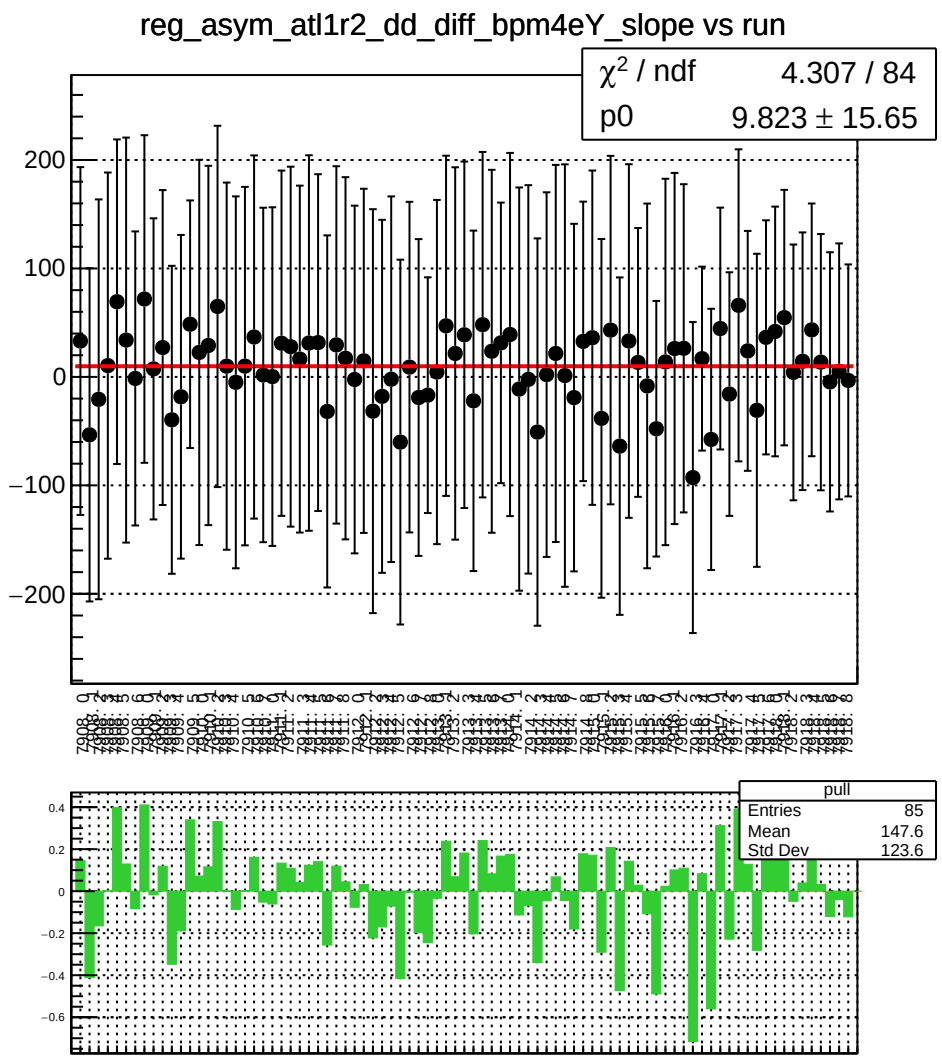

pull1D
Entries 85
Mean −0.02045
Std Dev 0.2705

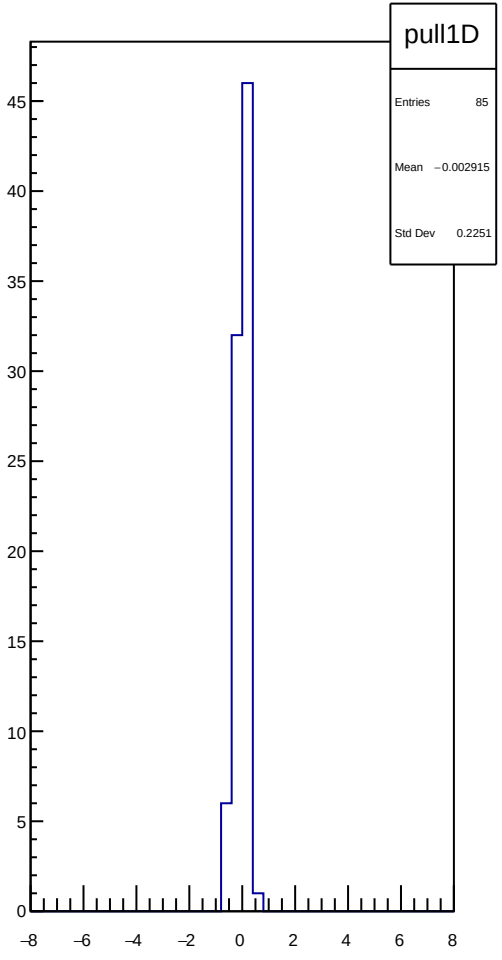

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.341 / 84
p0 −37.31 ± 13.47
pull
Entries 85
Mean −57.17
Std Dev 107.7

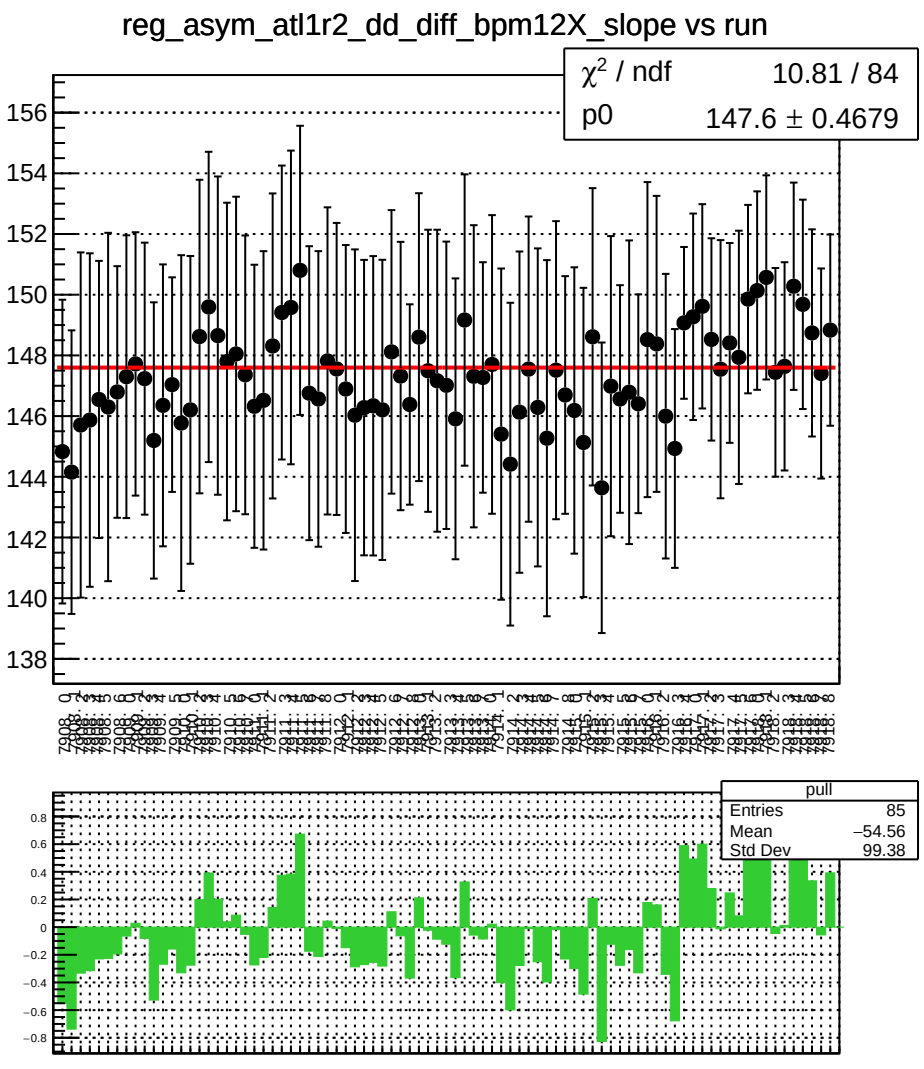

pull1D
Entries 85
Mean 0.01634
Std Dev 0.2501

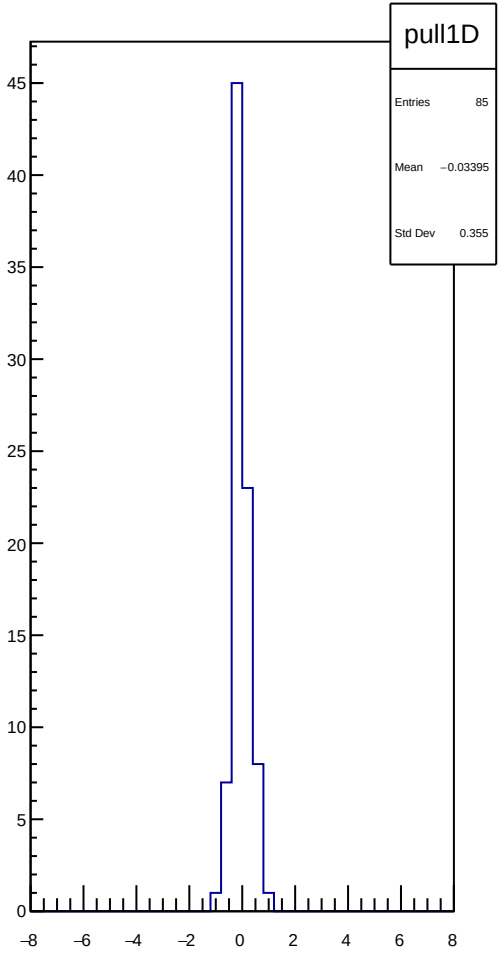

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.284 / 84
p0 −136.7 ± 11.35
pull
Entries 85
Mean −65.74
Std Dev 120

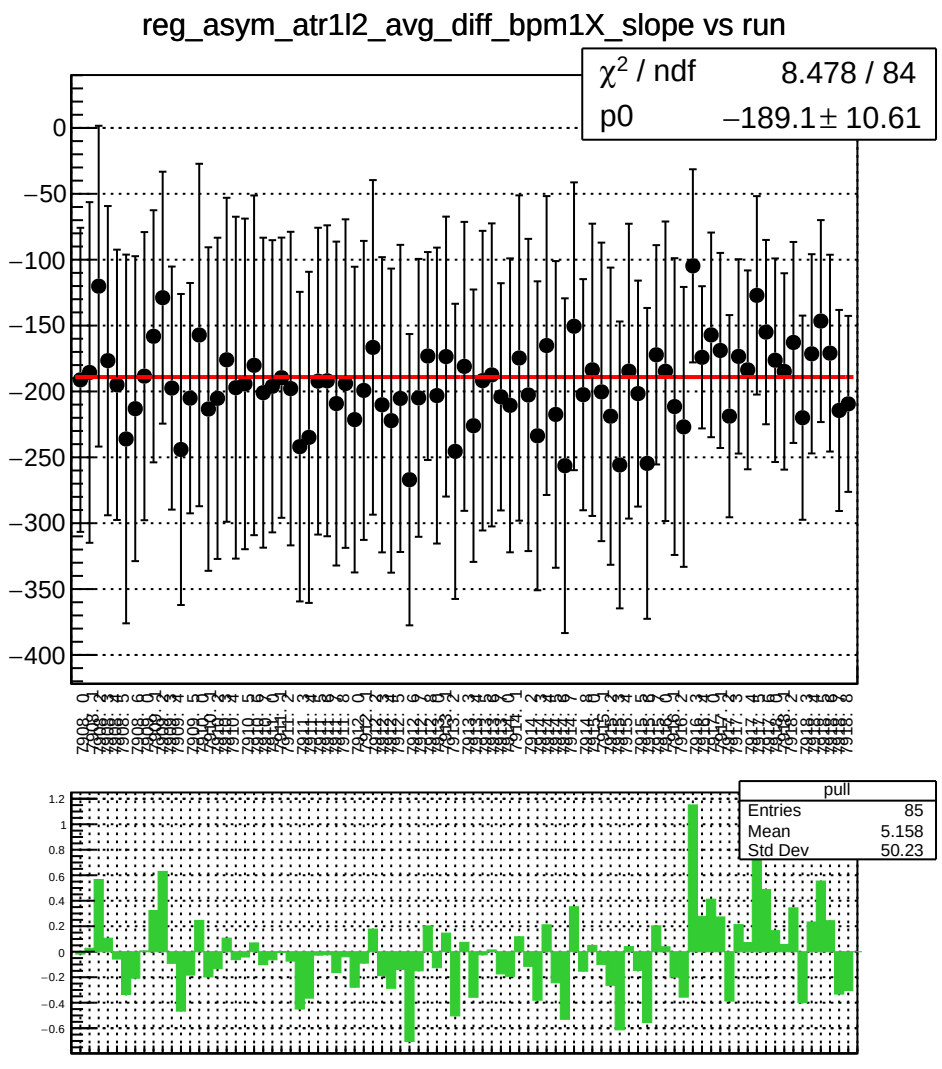

pull1D
Entries 85
Mean 0.02189
Std Dev 0.2919

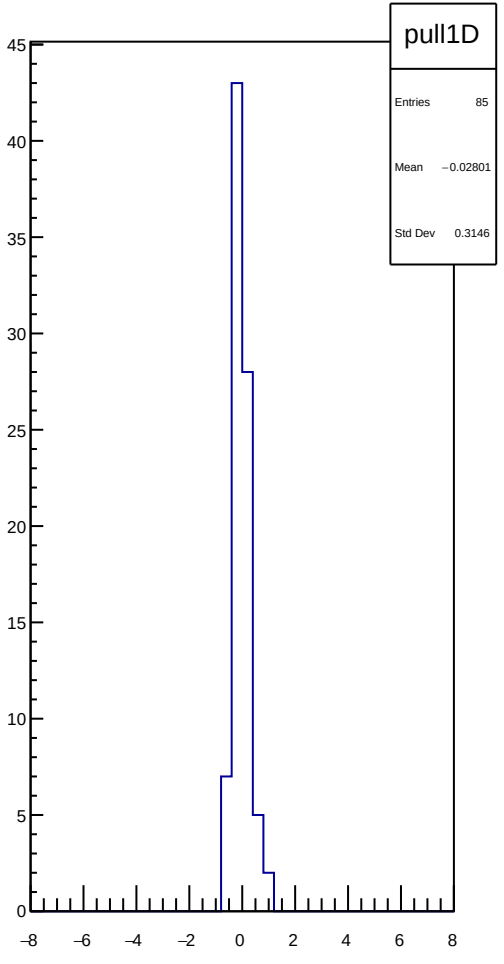

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.307 / 84
p0 9.823 ± 15.65
200
100
0
−100
−200
pull
Entries 85
Mean 147.6
Std Dev 123.6
0.4
0.2
0
−0.2
−0.4
−0.6

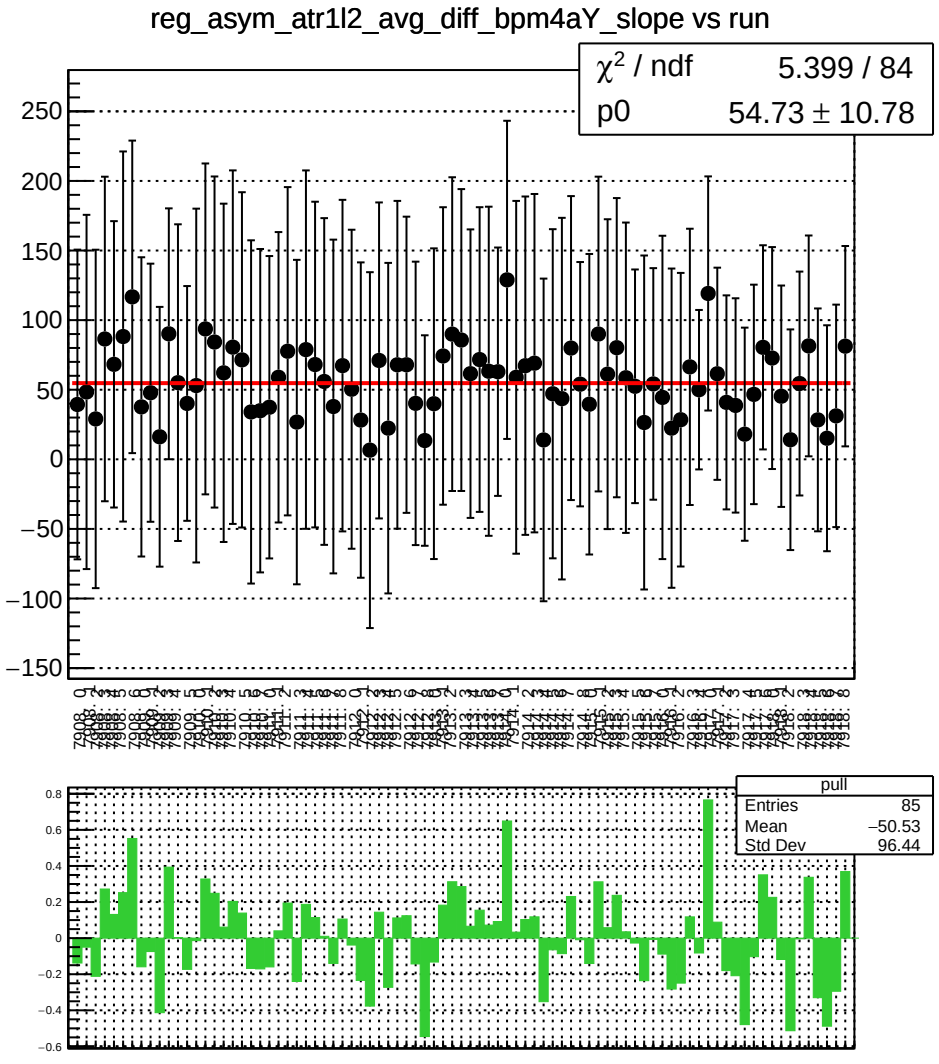

pull1D
Entries 85
Mean −0.002915
Std Dev 0.2251
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

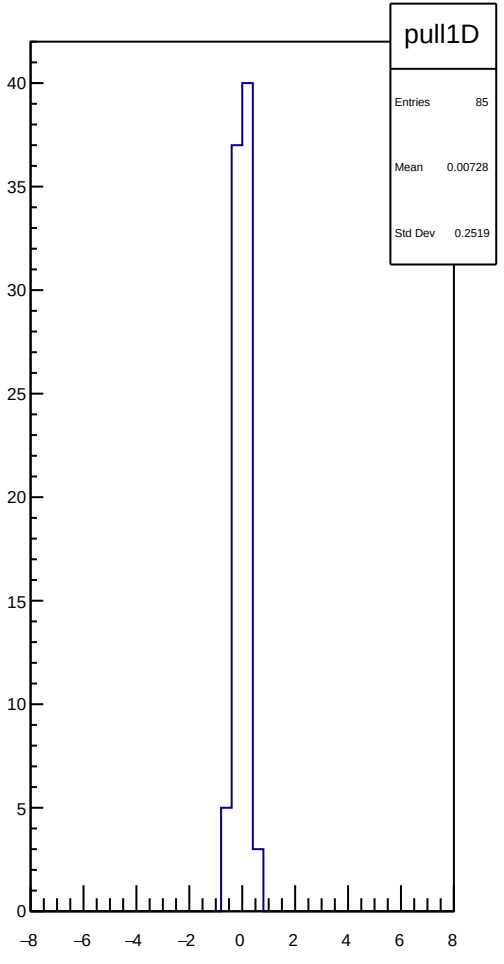

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.81 / 84
p0 147.6 ± 0.4679
pull
Entries 85
Mean −54.56
Std Dev 99.38

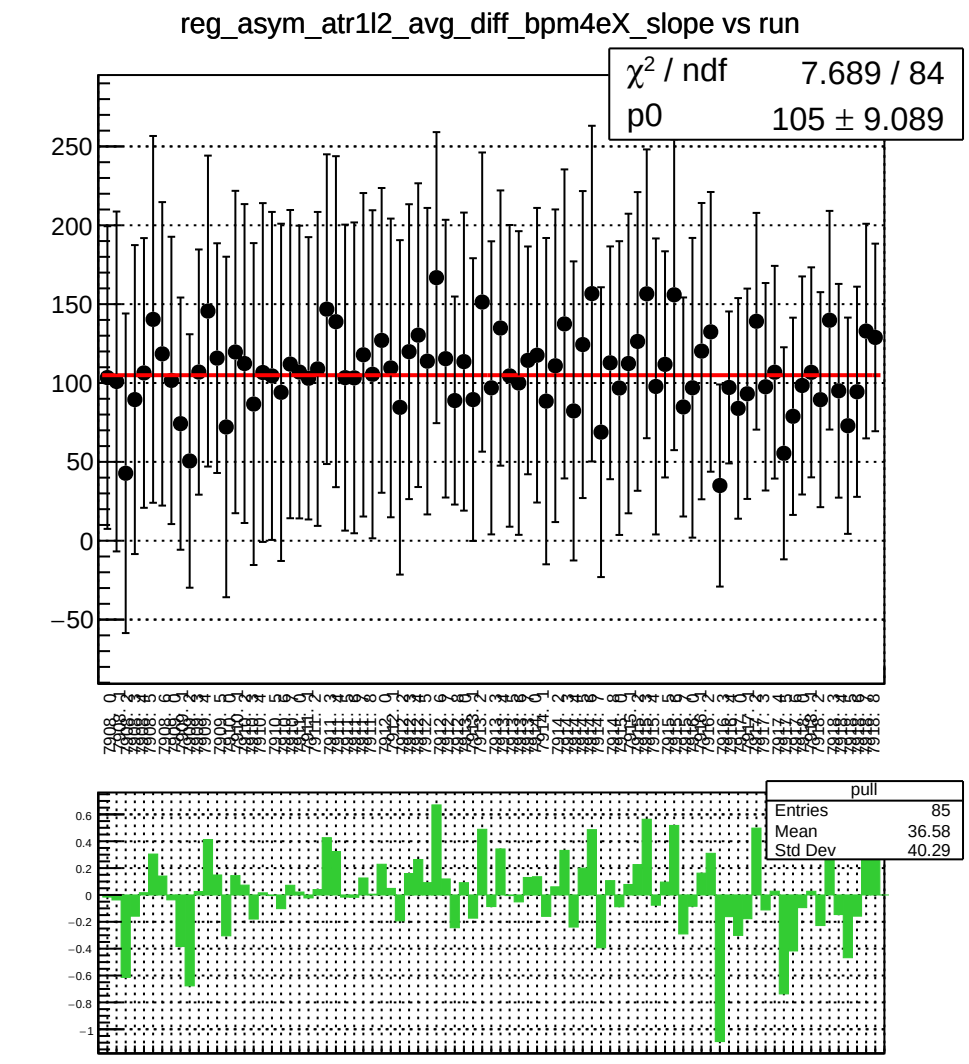

pull1D
Entries 85
Mean −0.03395
Std Dev 0.355

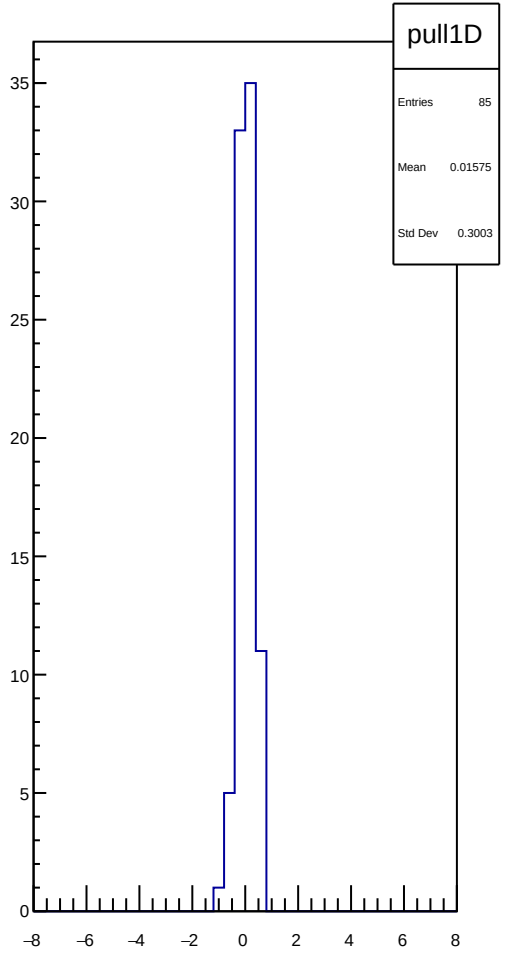

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.478 / 84
p0 −189.1 ± 10.61
pull
Entries 85
Mean 5.158
Std Dev 50.23

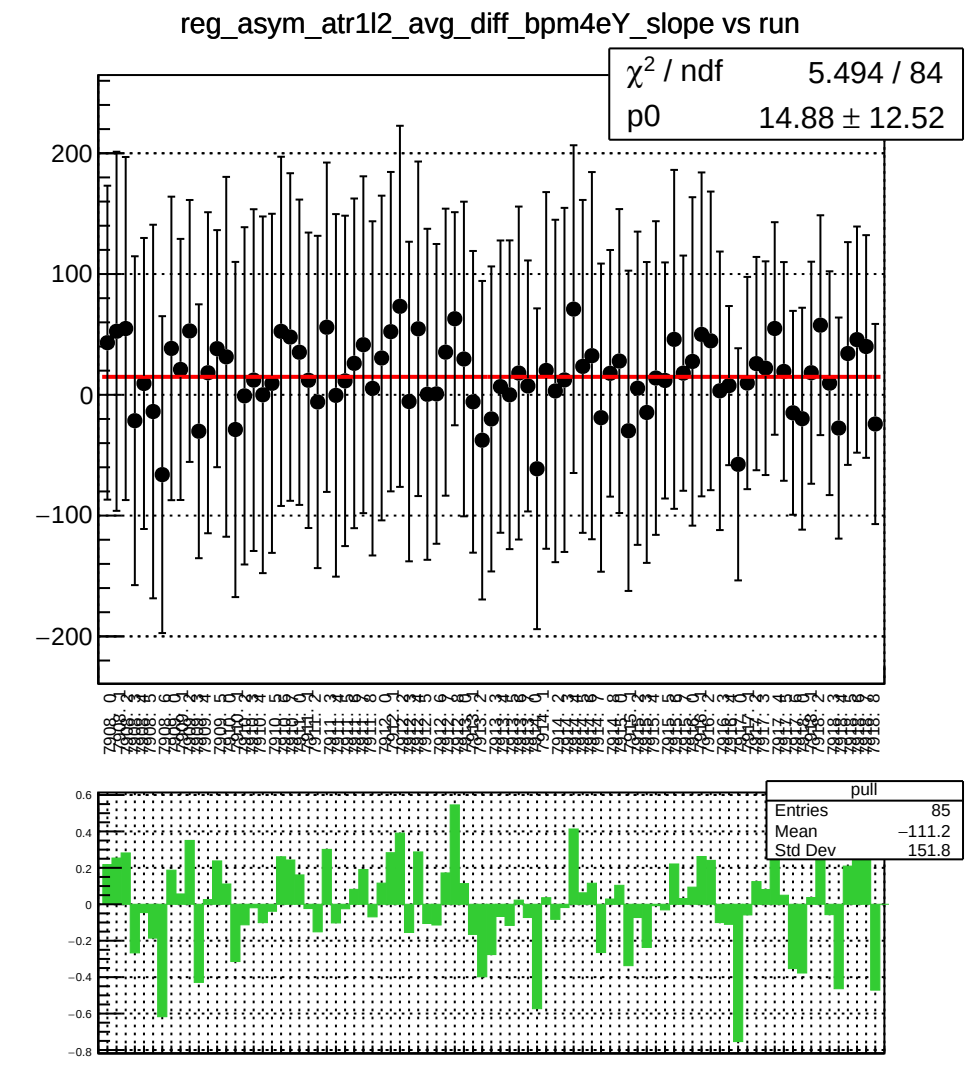

pull1D
Entries 85
Mean −0.02801
Std Dev 0.3146

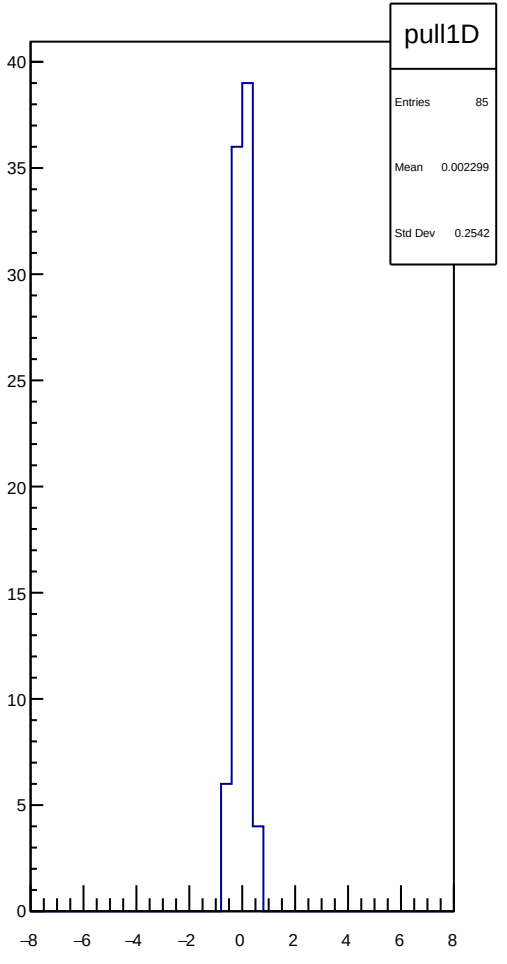

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.399 / 84
p0 54.73 ± 10.78
pull
Entries 85
Mean −50.53
Std Dev 96.44

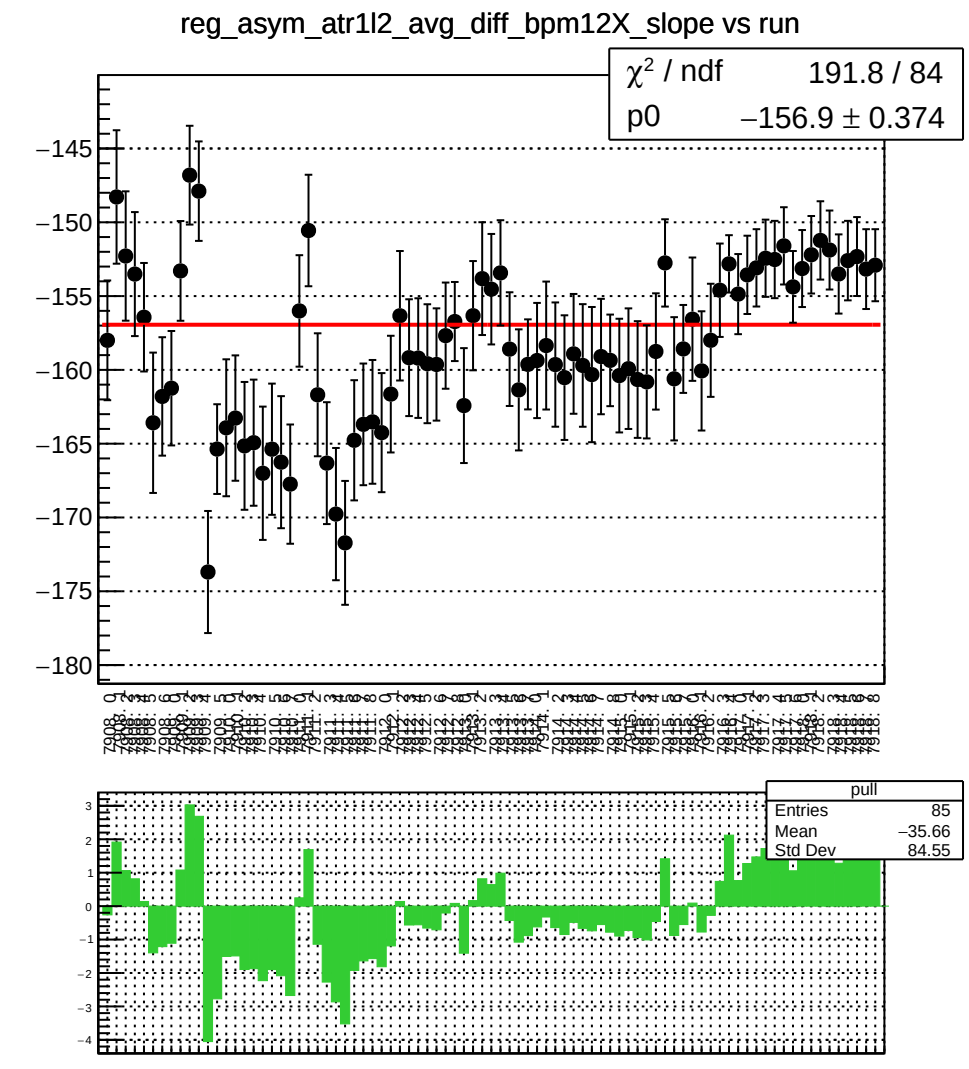

pull1D
Entries 85
Mean 0.00728
Std Dev 0.2519

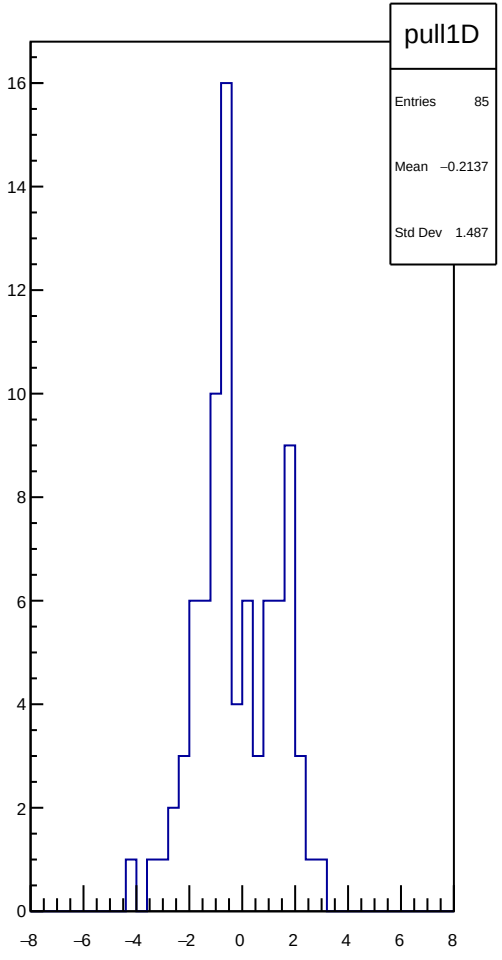

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.689 / 84
p0 105 ± 9.089
pull
Entries 85
Mean 36.58
Std Dev 40.29

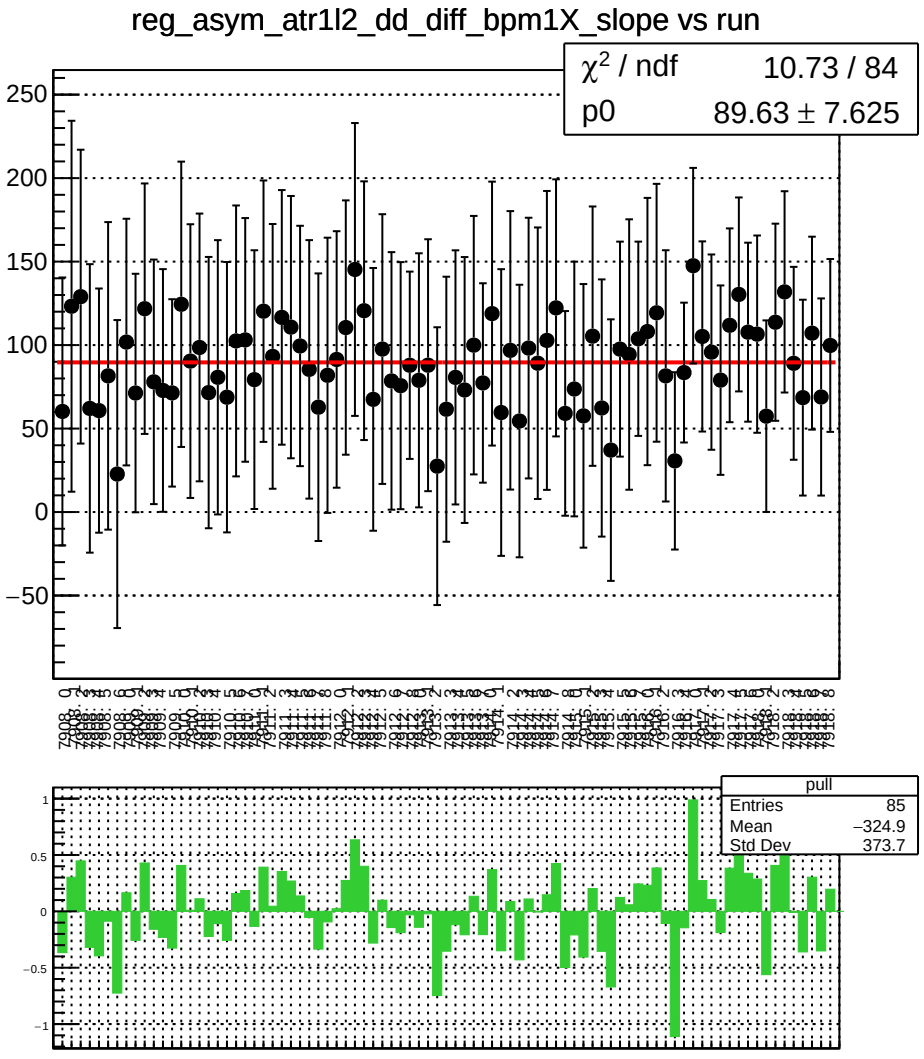

pull1D
Entries 85
Mean 0.01575
Std Dev 0.3003

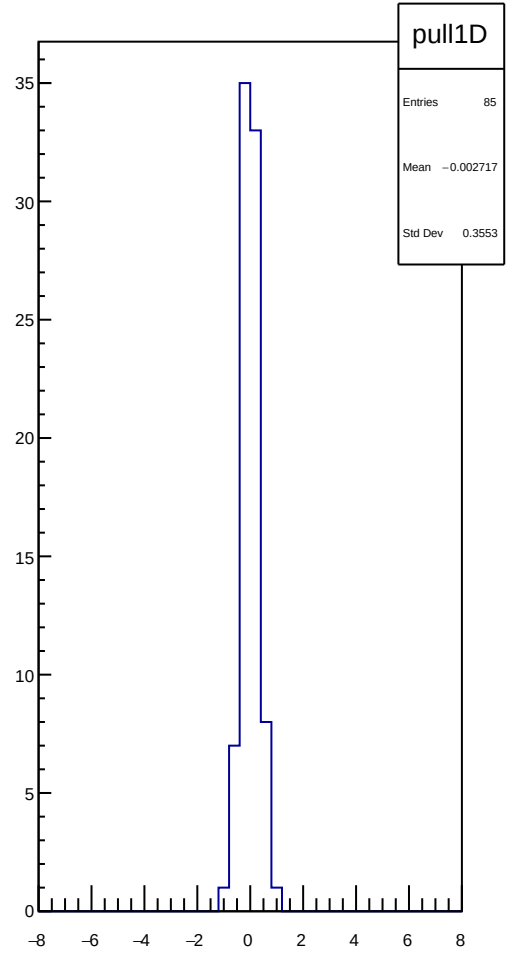

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.494 / 84
p0 14.88 ± 12.52
200
100
0
−100
−200
pull
Entries 85
Mean −111.2
Std Dev 151.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

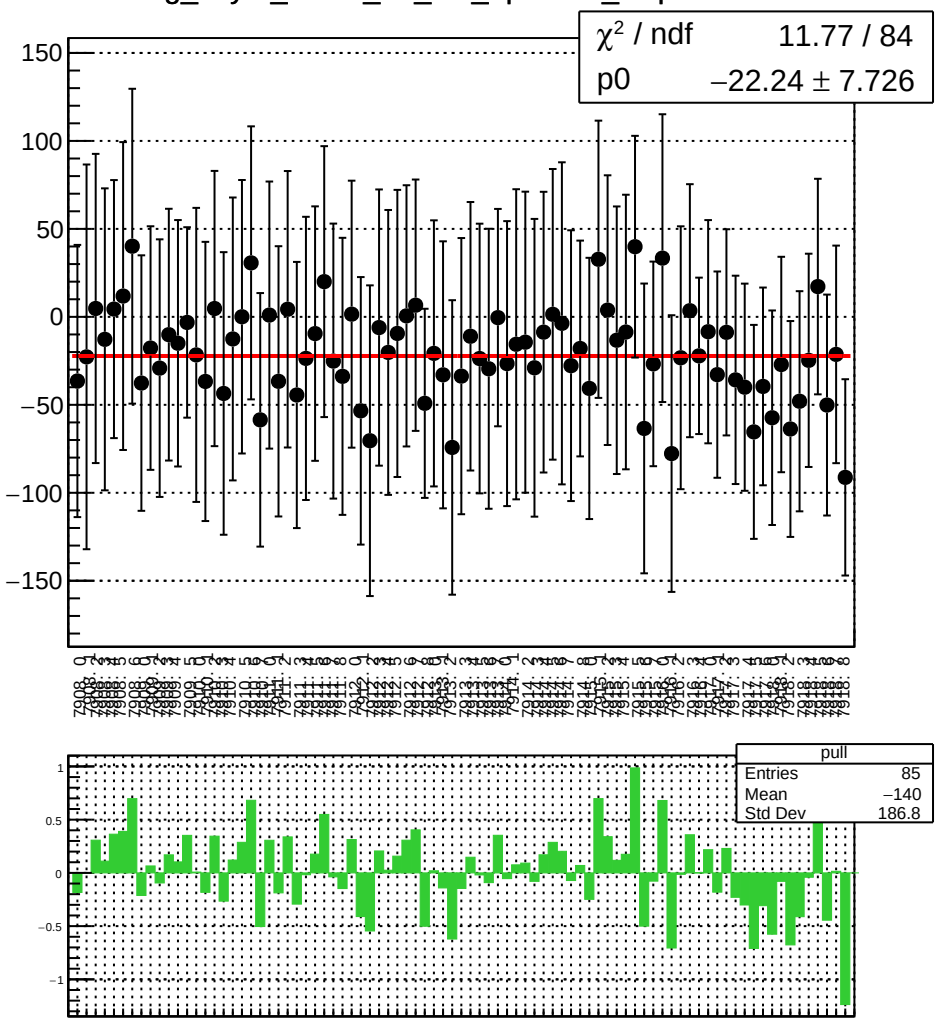

pull1D
Entries 85
Mean 0.002299
Std Dev 0.2542
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

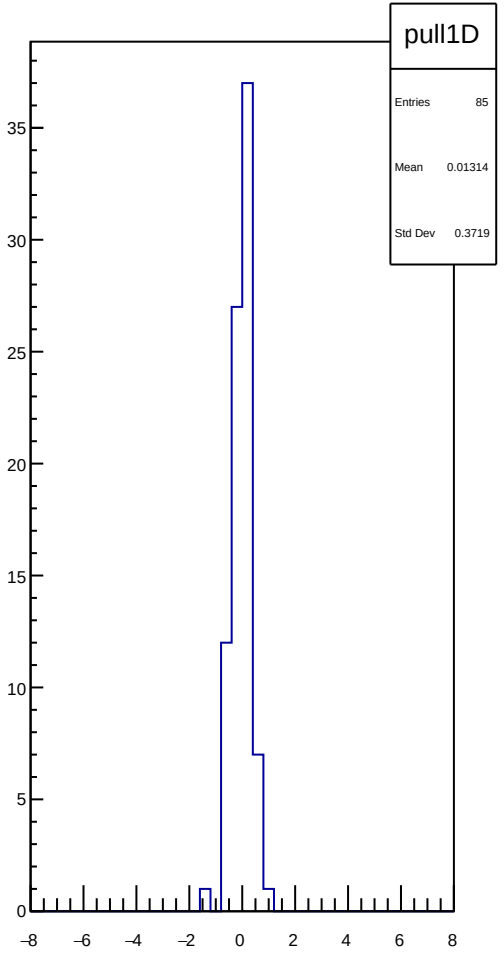

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 191.8 / 84
p0 −156.9 ± 0.374
pull
Entries 85
Mean −35.66
Std Dev 84.55

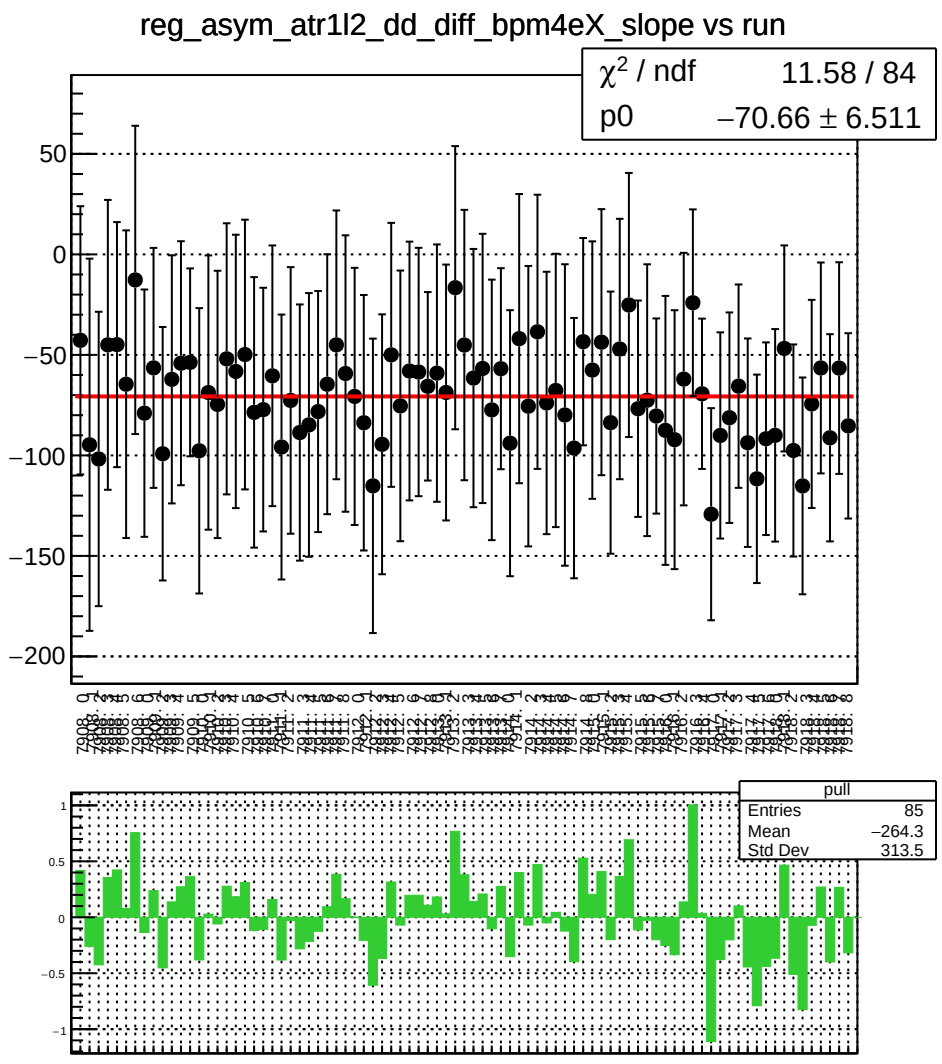

pull1D
Entries 85
Mean −0.2137
Std Dev 1.487

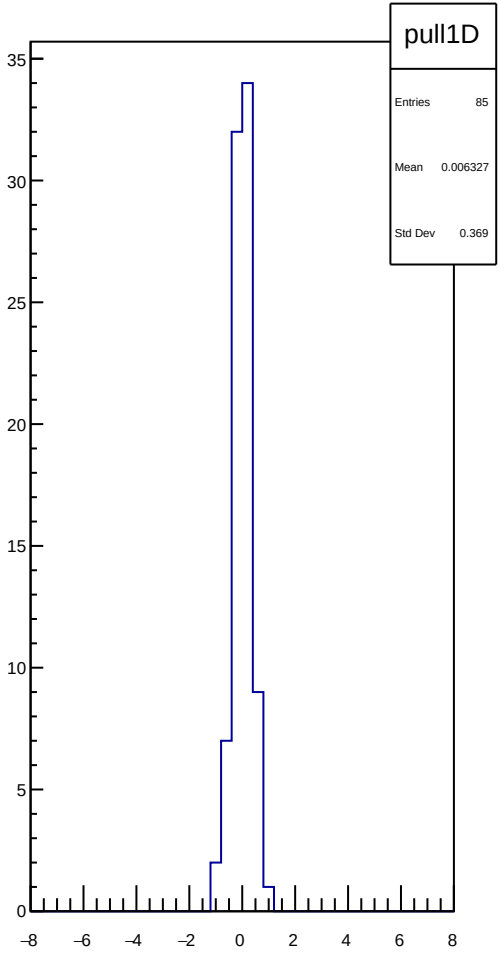

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 10.73 / 84
p0 89.63 ± 7.625
pull
Entries 85
Mean −324.9
Std Dev 373.7

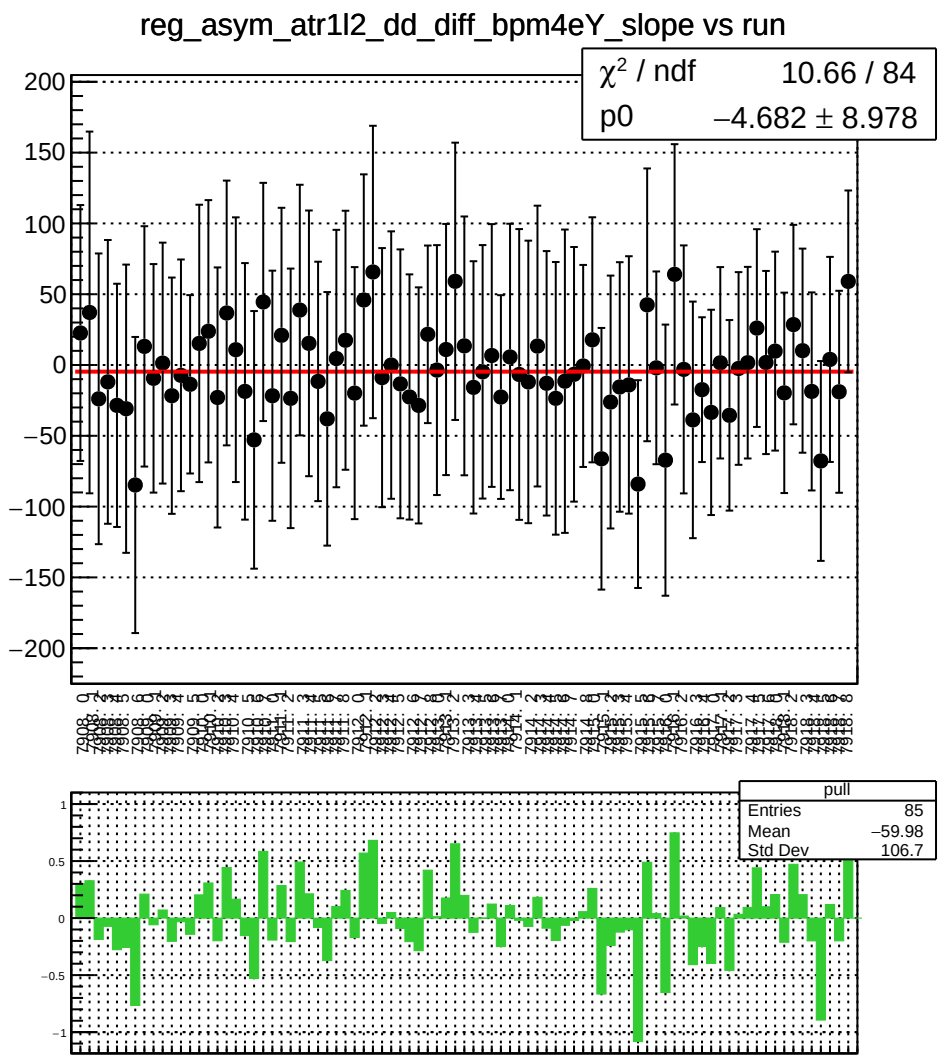

pull1D
Entries 85
Mean −0.002717
Std Dev 0.3553

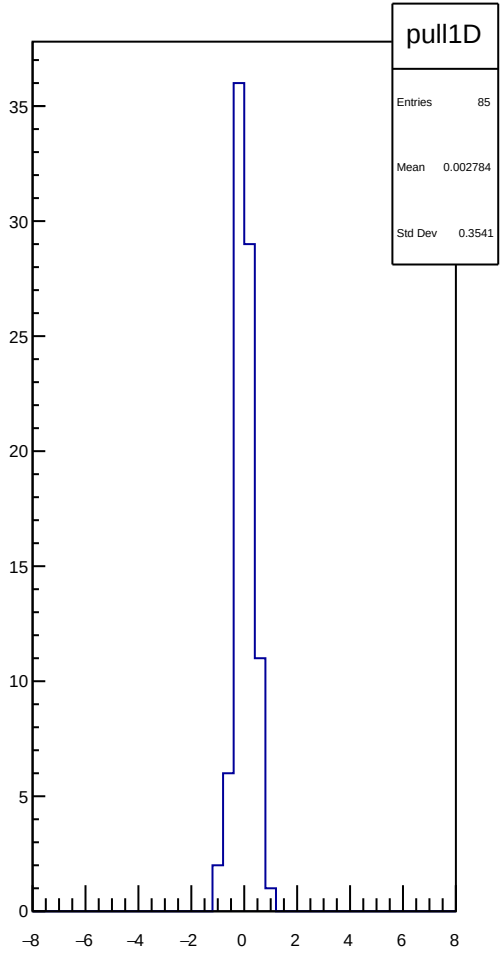

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.77 / 84
p0 −22.24 ± 7.726
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −140
Std Dev 186.8
1
0.5
0
−0.5
−1

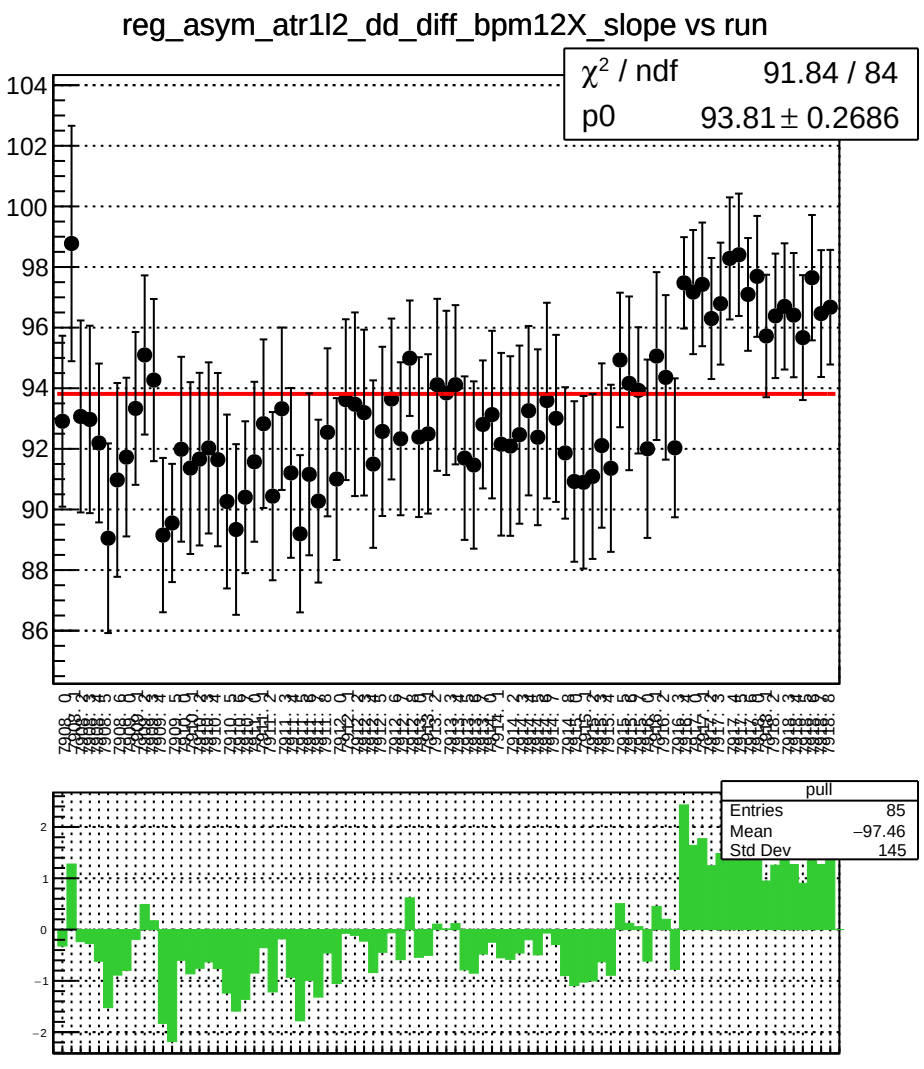

pull1D
Entries 85
Mean 0.01314
Std Dev 0.3719
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

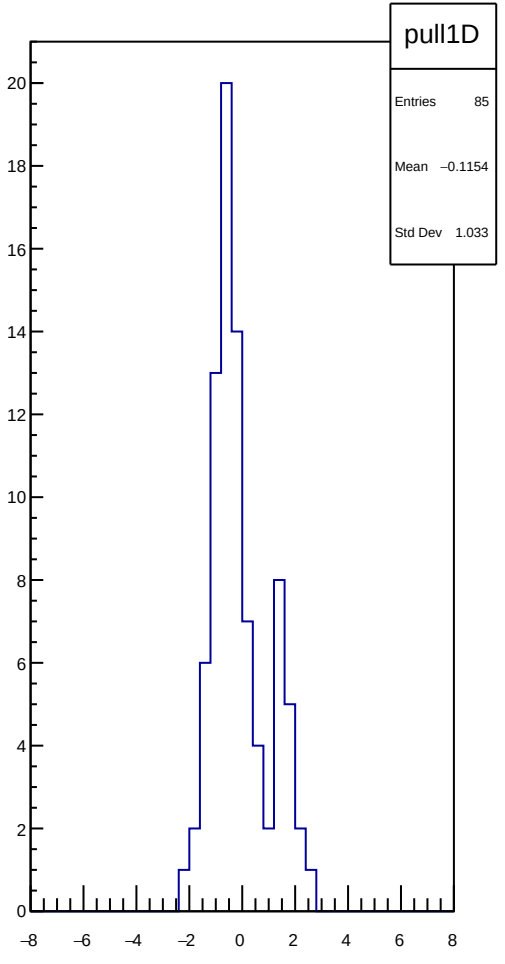

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.58 / 84
p0 −70.66 ± 6.511
pull
Entries 85
Mean −264.3
Std Dev 313.5

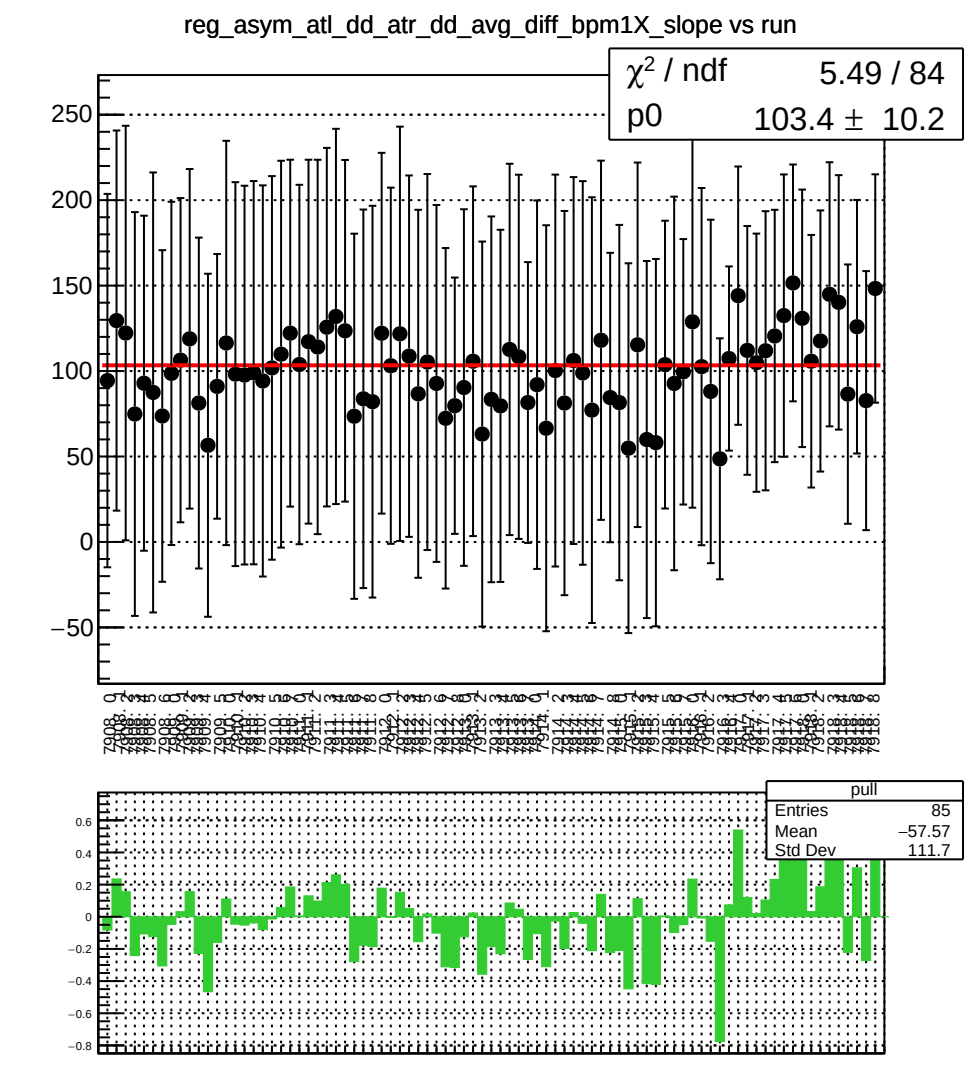

pull1D
Entries 85
Mean 0.006327
Std Dev 0.369

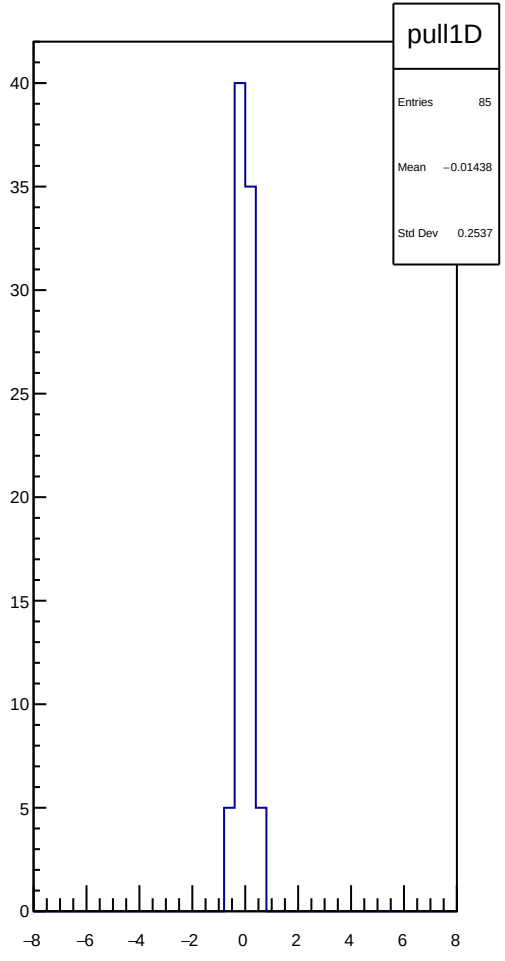

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.66 / 84
p0 −4.682 ± 8.978
pull
Entries 85
Mean −59.98
Std Dev 106.7

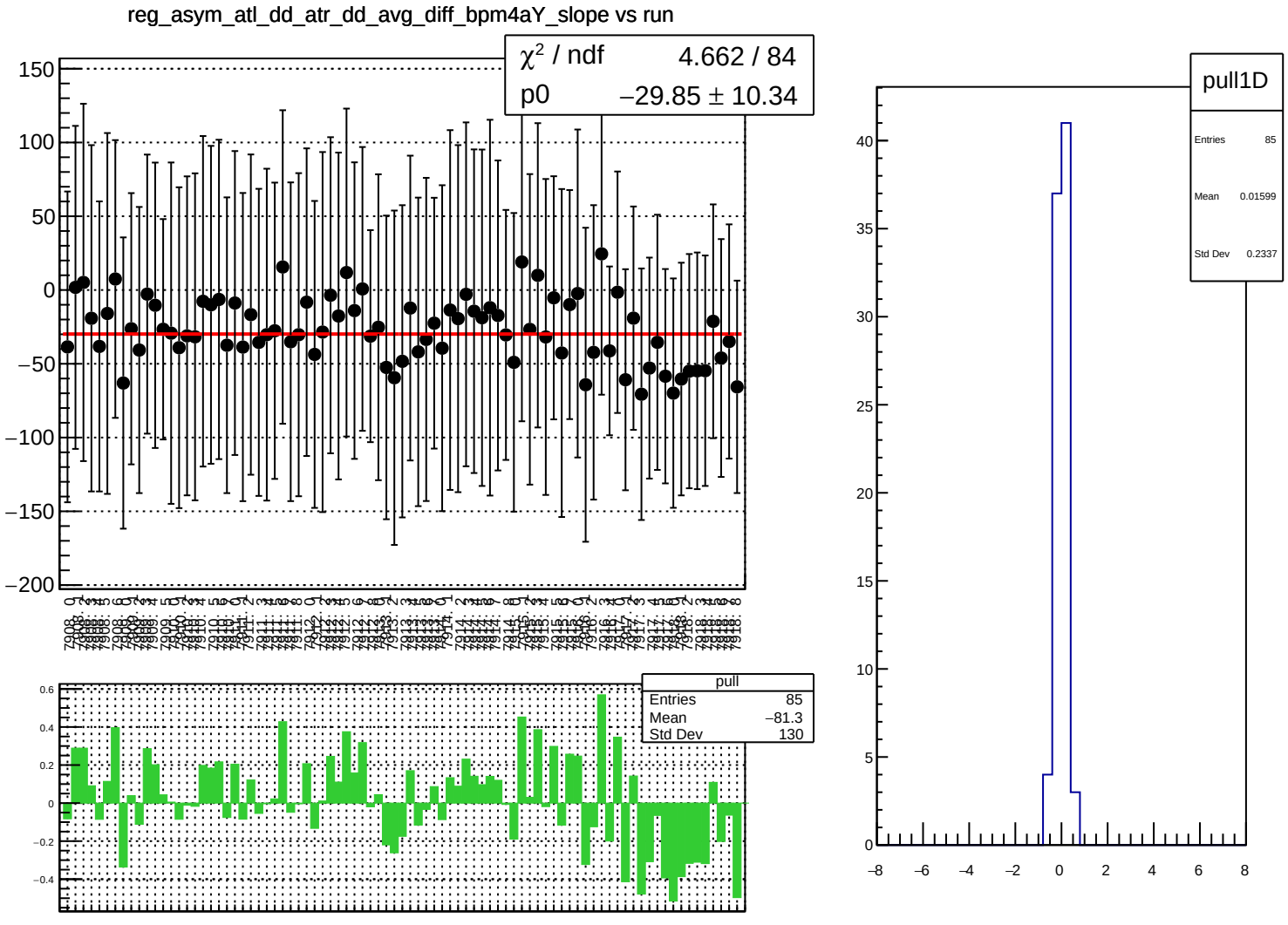

pull1D
Entries 85
Mean 0.002784
Std Dev 0.3541

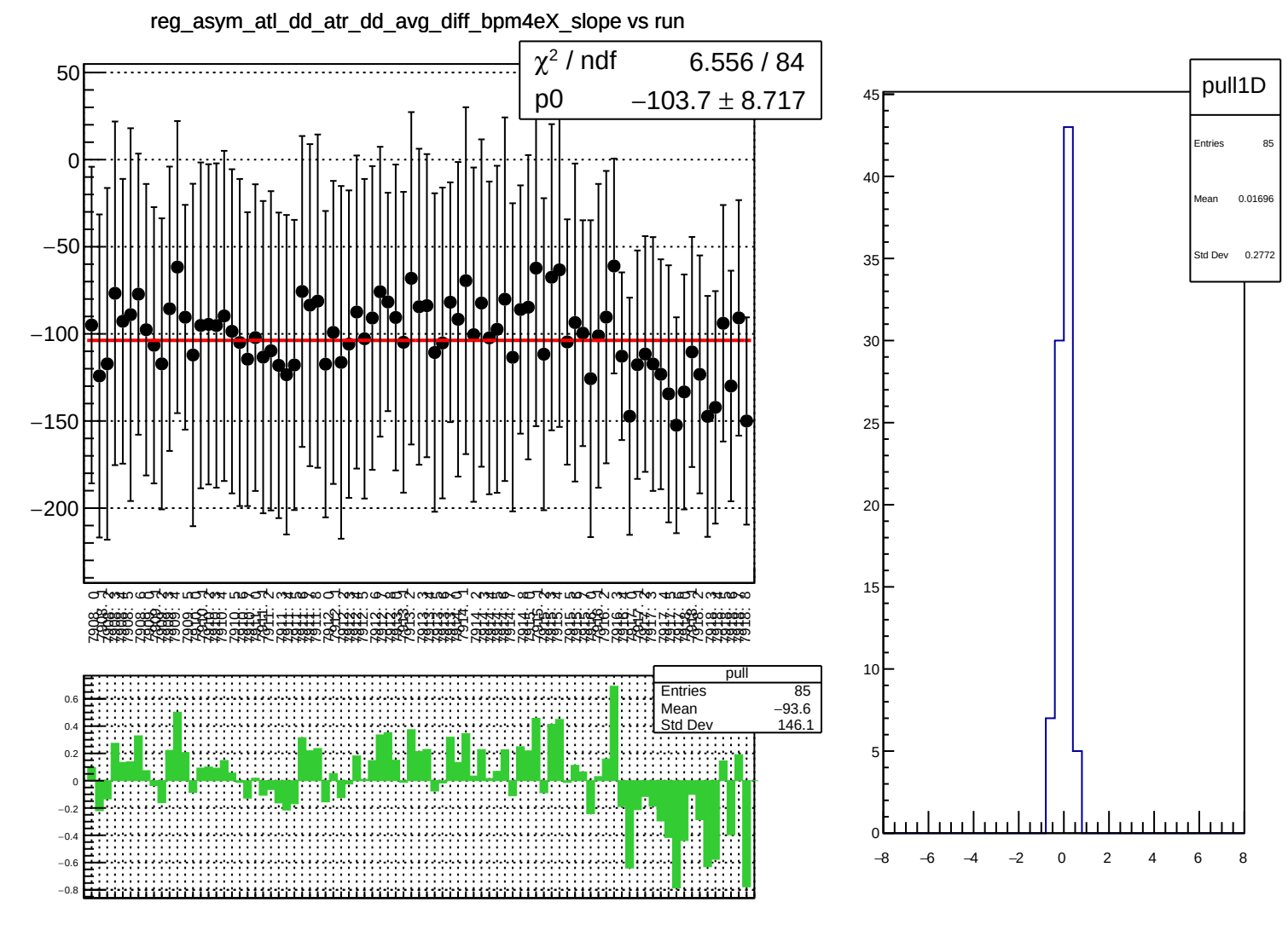

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 91.84 / 84
p0 93.81 ± 0.2686
pull
Entries 85
Mean −97.46
Std Dev 145

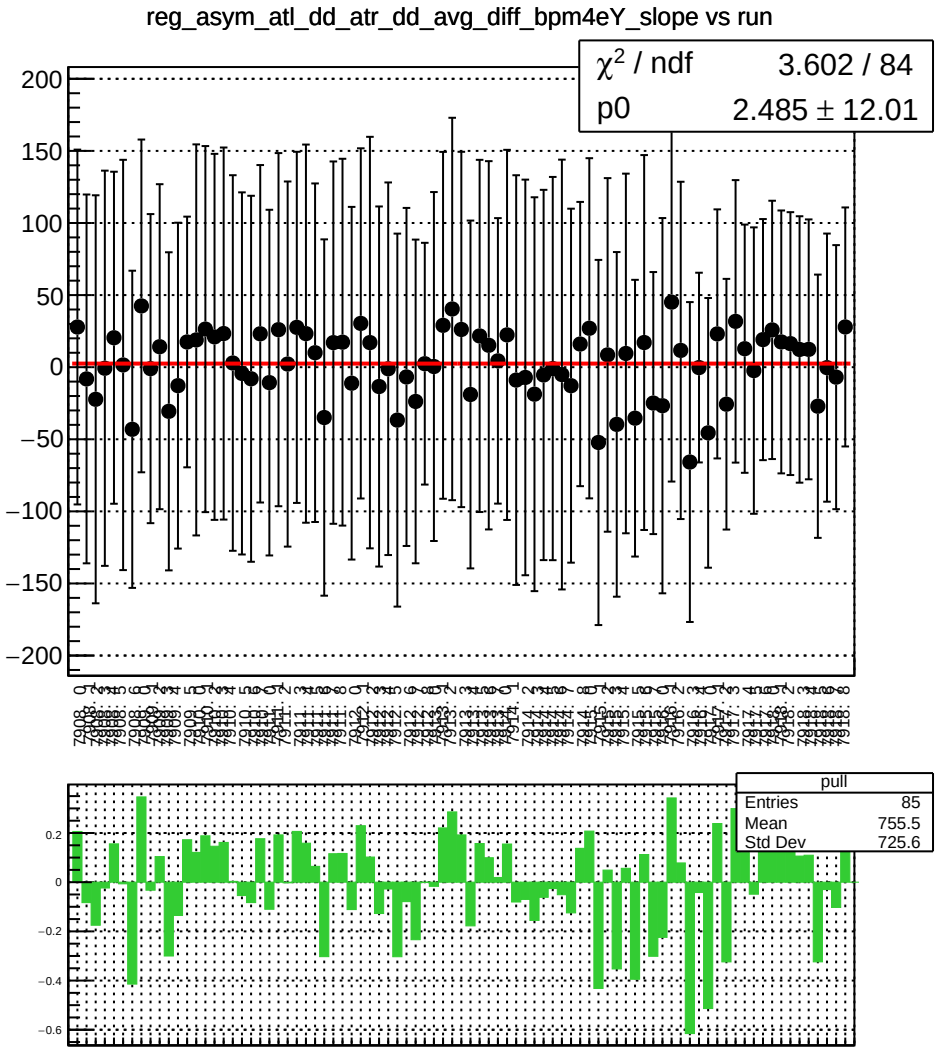

pull1D
Entries 85
Mean −0.1154
Std Dev 1.033

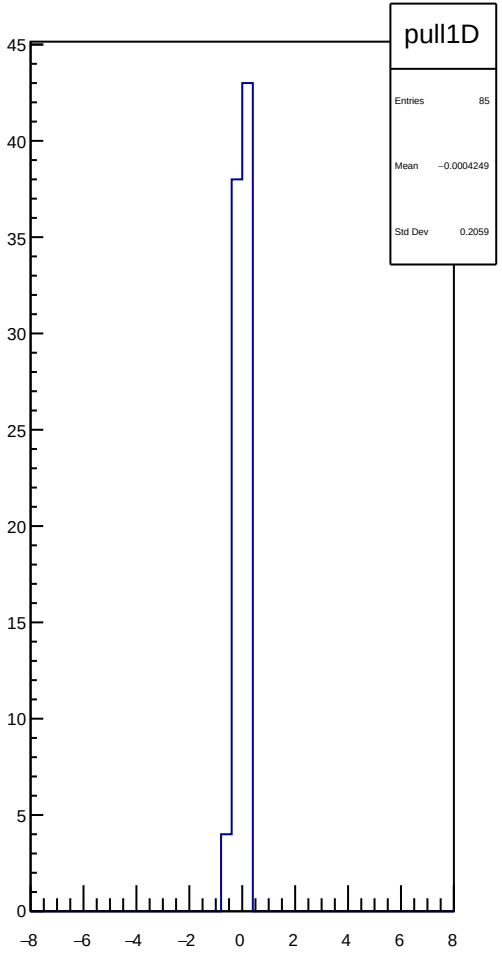

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.49 / 84
p0 103.4 ± 10.2
pull
Entries 85
Mean −57.57
Std Dev 111.7

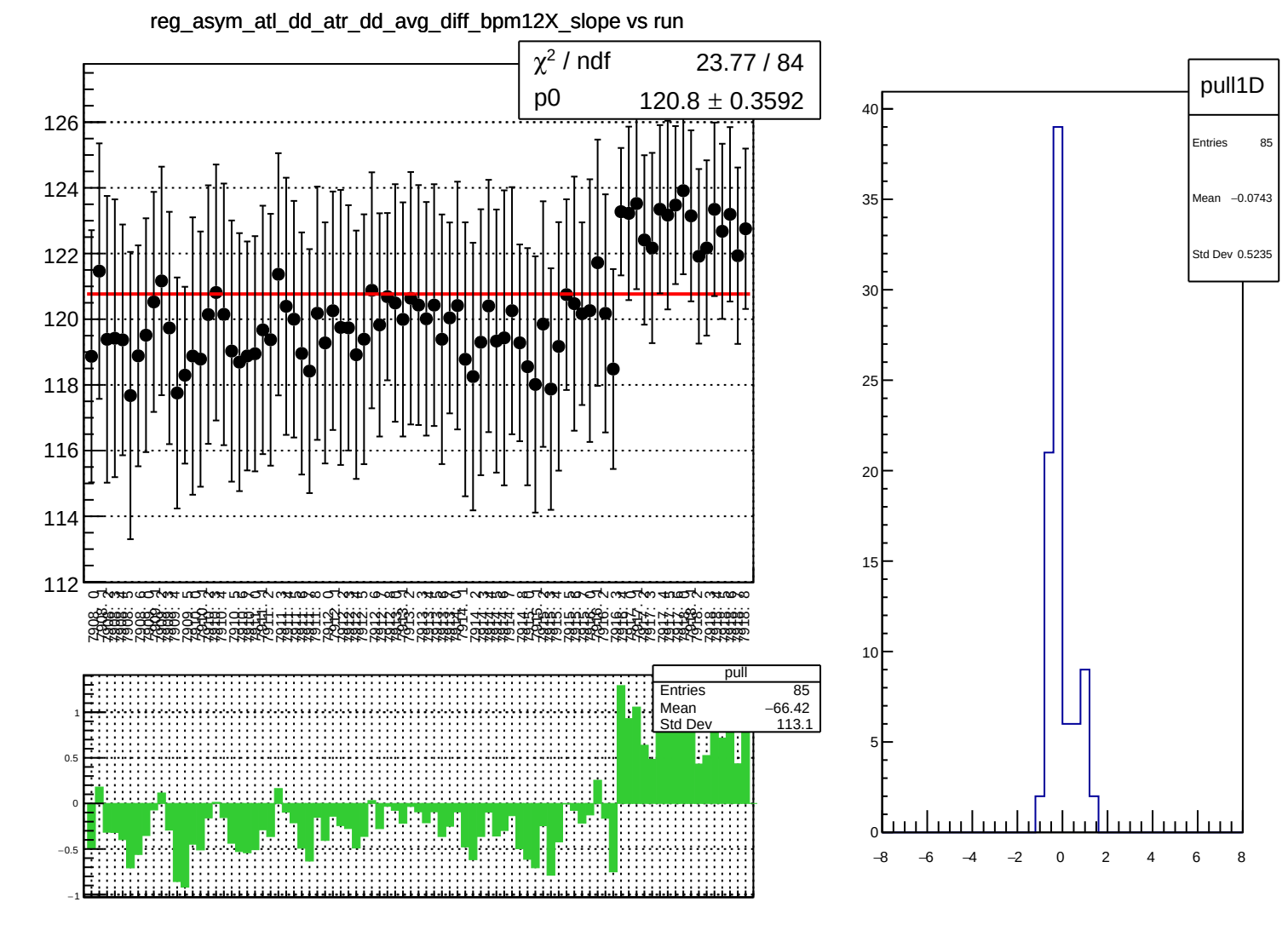

pull1D
Entries 85
Mean −0.01438
Std Dev 0.2537

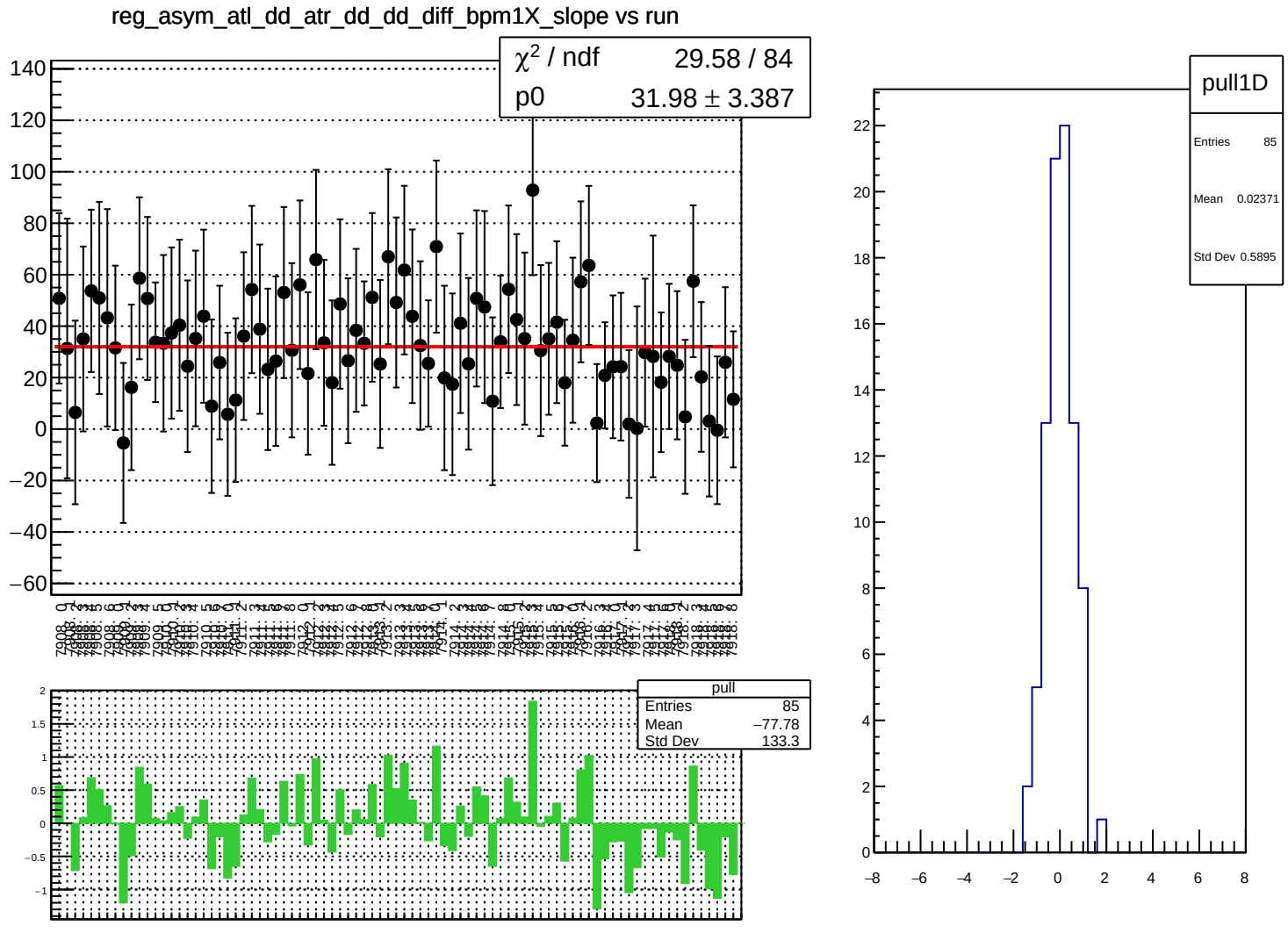

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.662 / 84
p0 −29.85 ± 10.34
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −81.3
Std Dev 130
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 85
Mean 0.01599
Std Dev 0.2337
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

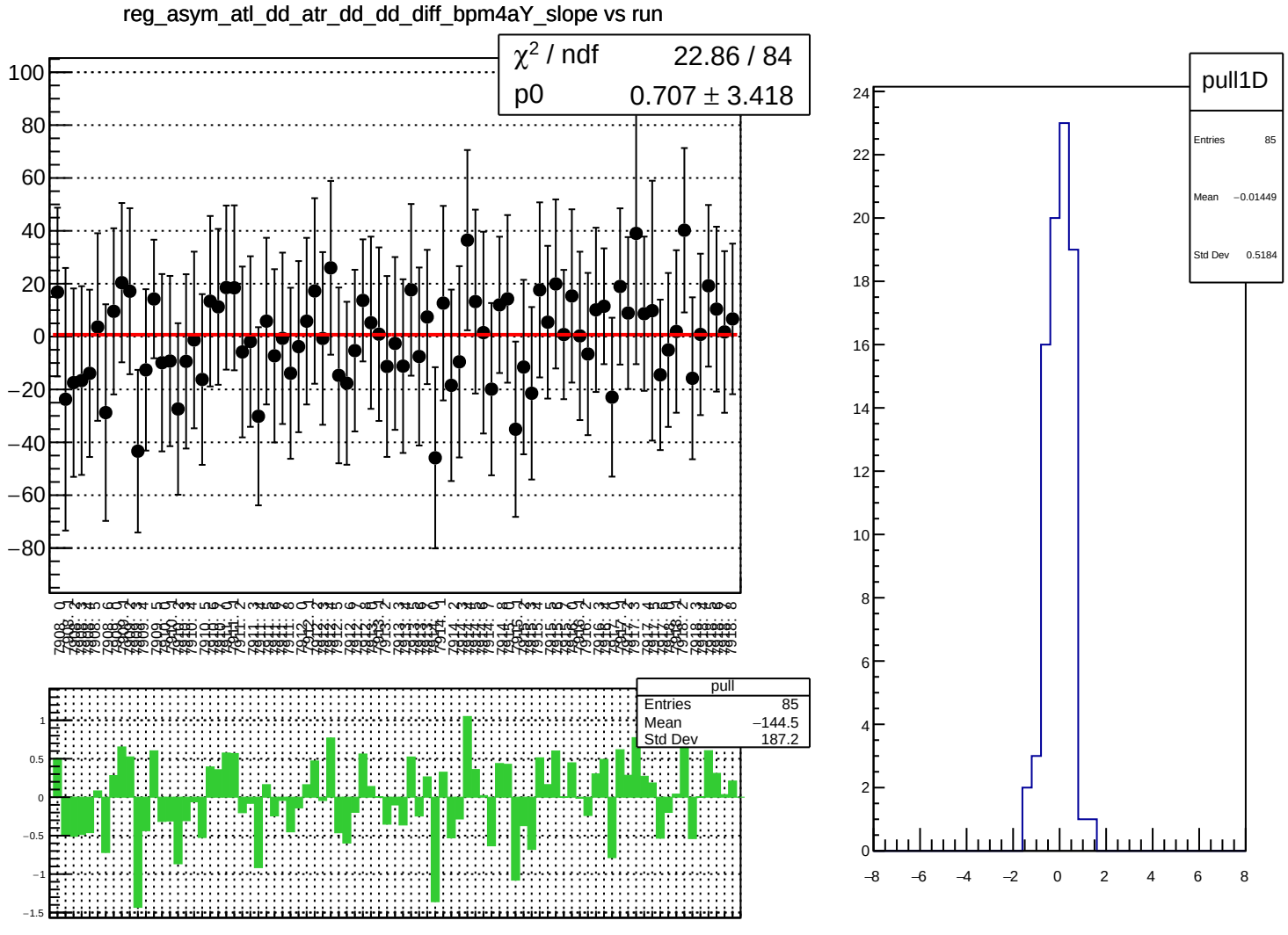

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.556 / 84
p0 −103.7 ± 8.717
pull
Entries 85
Mean −93.6
Std Dev 146.1
pull1D
Entries 85
Mean 0.01696
Std Dev 0.2772

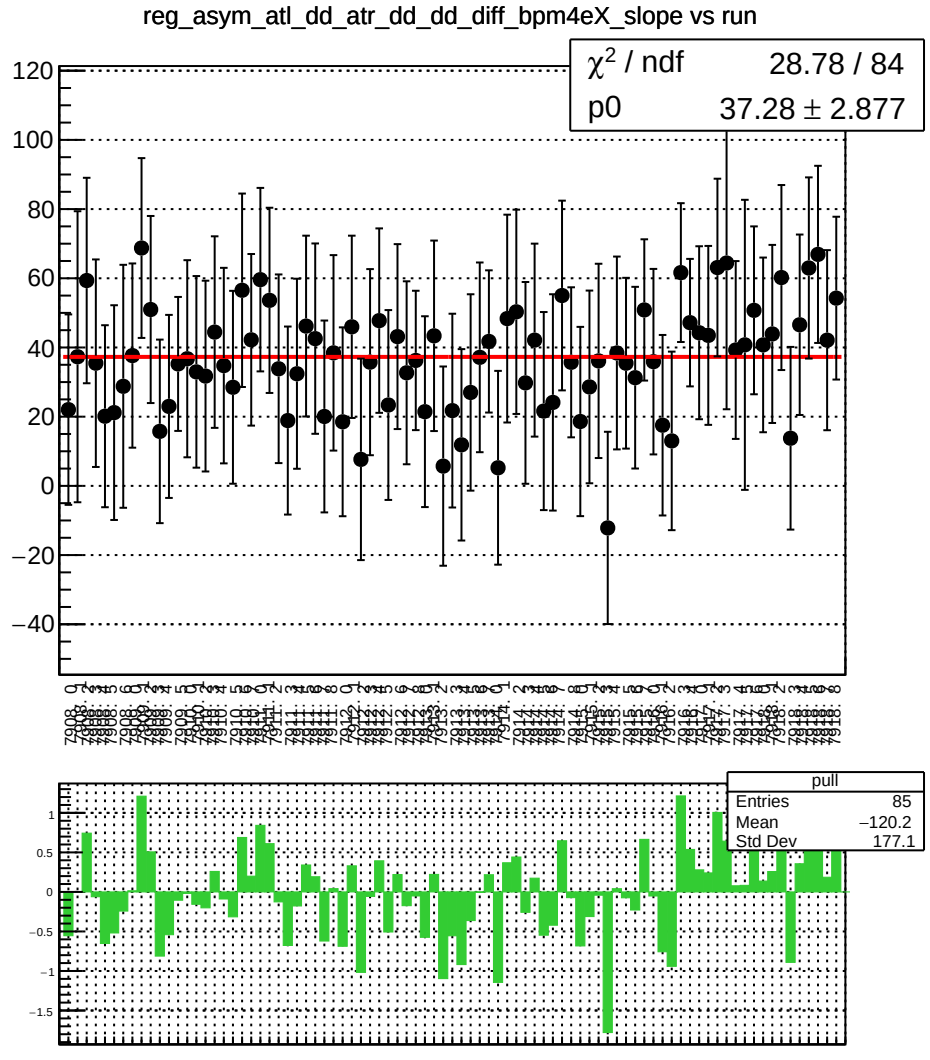

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.602 / 84
p0 2.485 ± 12.01
pull
Entries 85
Mean 755.5
Std Dev 725.6

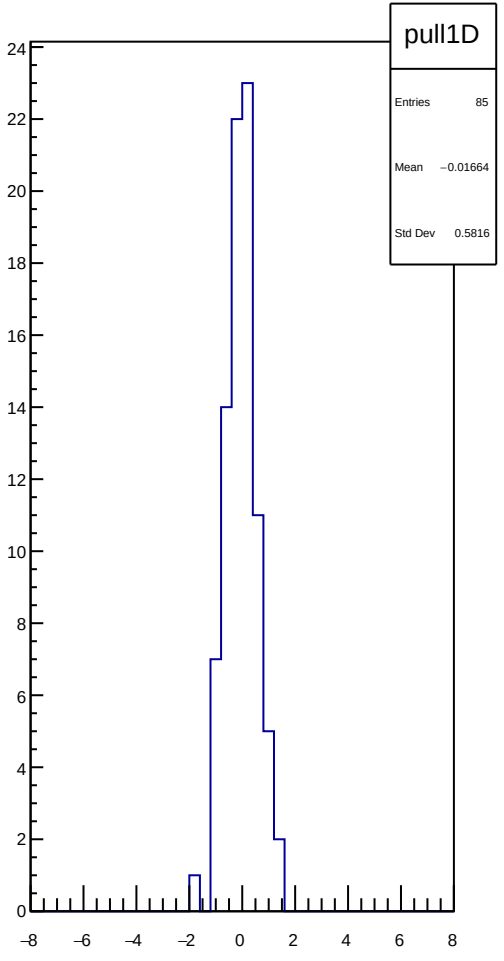

pull1D
Entries 85
Mean −0.0004249
Std Dev 0.2059

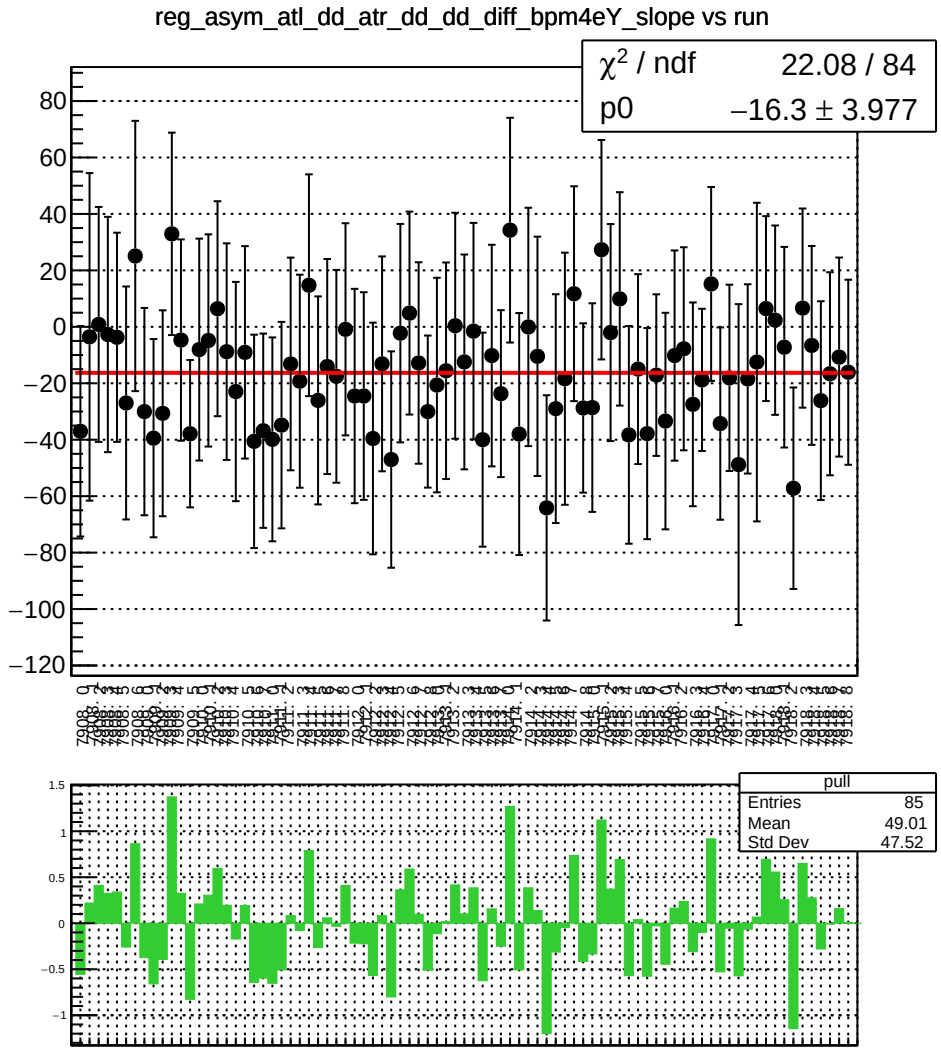

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.77 / 84
p0 120.8 ± 0.3592
pull
Entries 85
Mean −66.42
Std Dev 113.1
pull1D
Entries 85
Mean −0.0743
Std Dev 0.5235

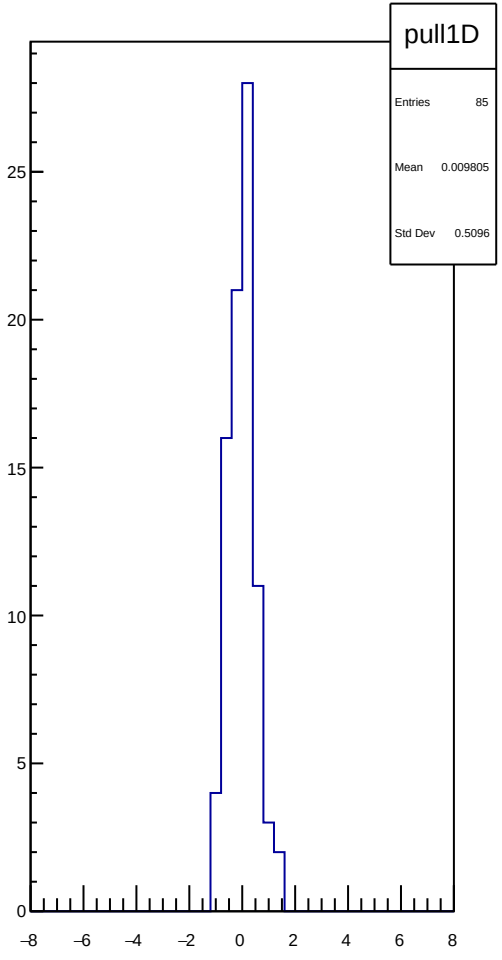

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 29.58 / 84
p0 31.98 ± 3.387
pull
Entries 85
Mean −77.78
Std Dev 133.3
pull1D
Entries 85
Mean 0.02371
Std Dev 0.5895

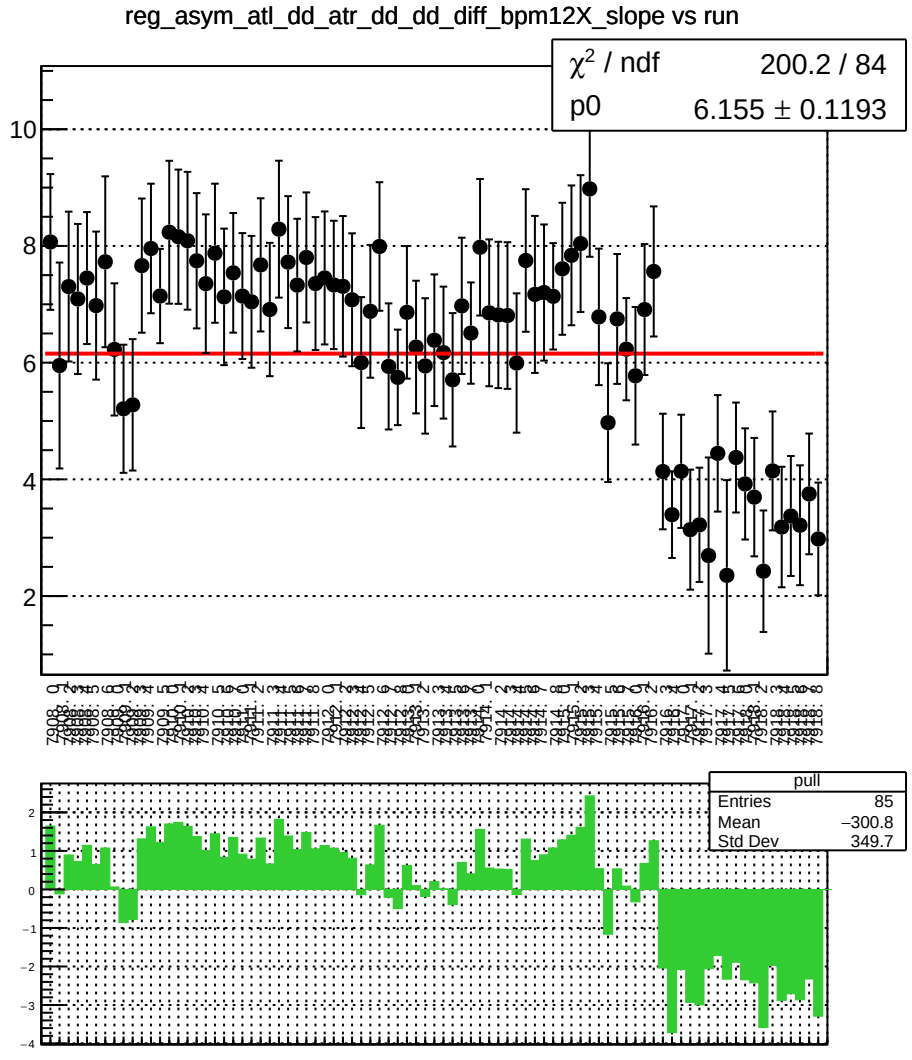

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.86 / 84
p0 0.707 ± 3.418
pull
Entries 85
Mean −144.5
Std Dev 187.2
pull1D
Entries 85
Mean −0.01449
Std Dev 0.5184

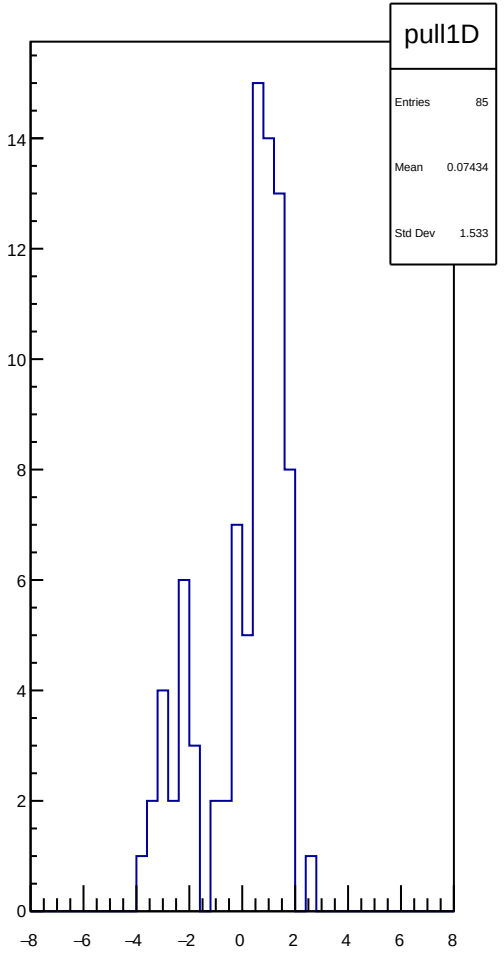

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.78 / 84
p0 37.28 ± 2.877
pull
Entries 85
Mean −120.2
Std Dev 177.1

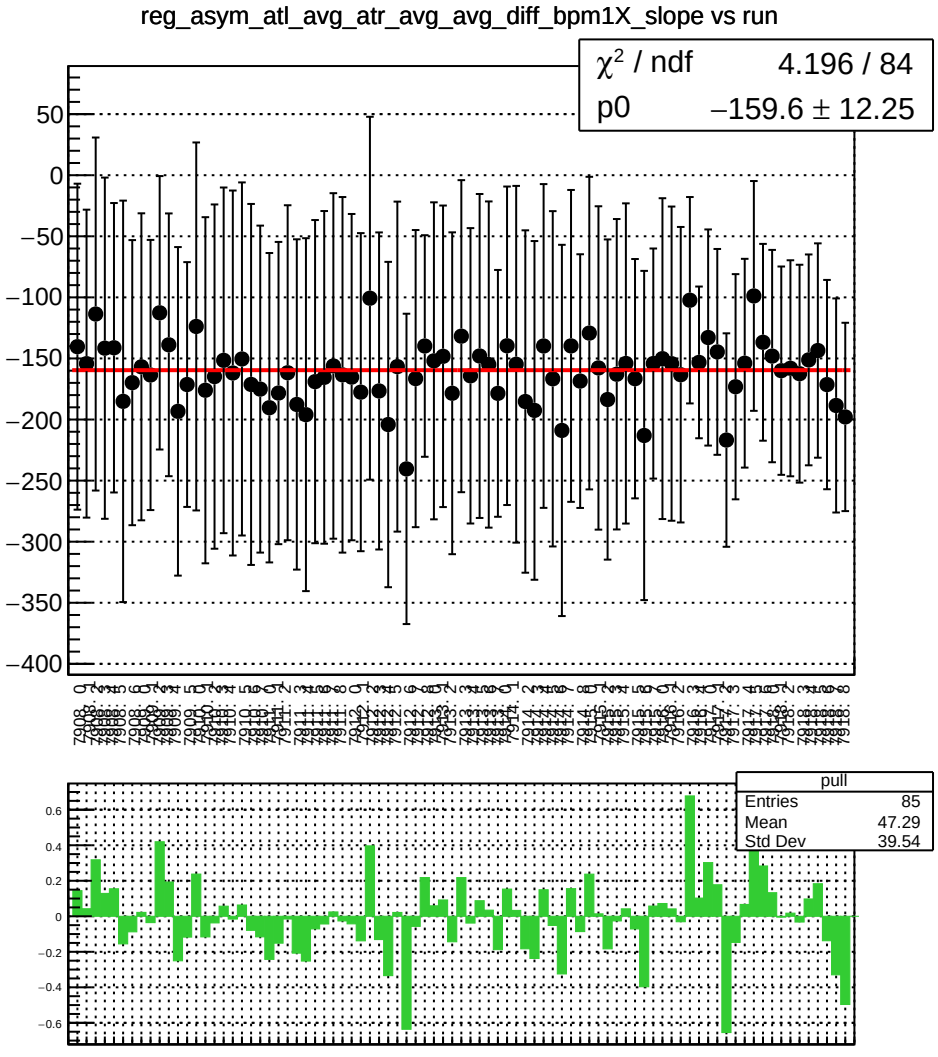

pull1D
Entries 85
Mean −0.01664
Std Dev 0.5816

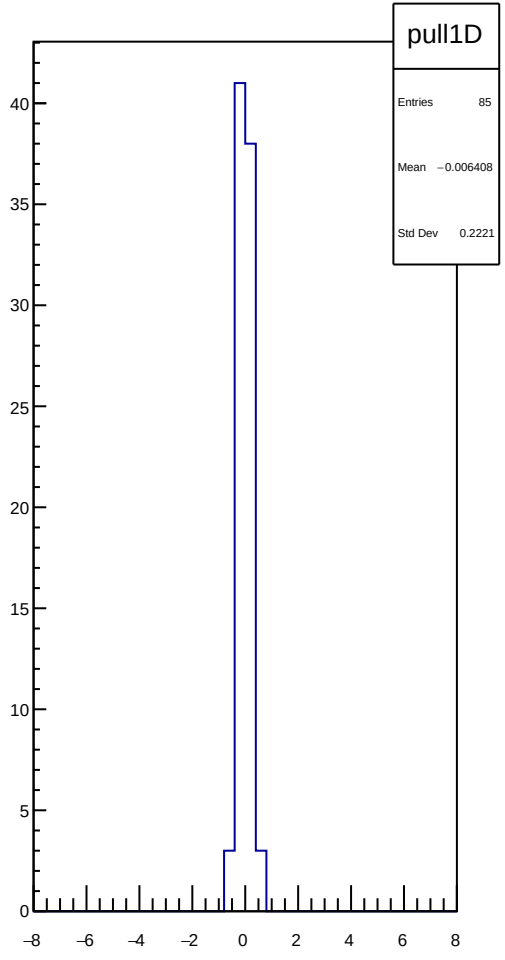

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.08 / 84
p0 −16.3 ± 3.977
pull
Entries 85
Mean 49.01
Std Dev 47.52

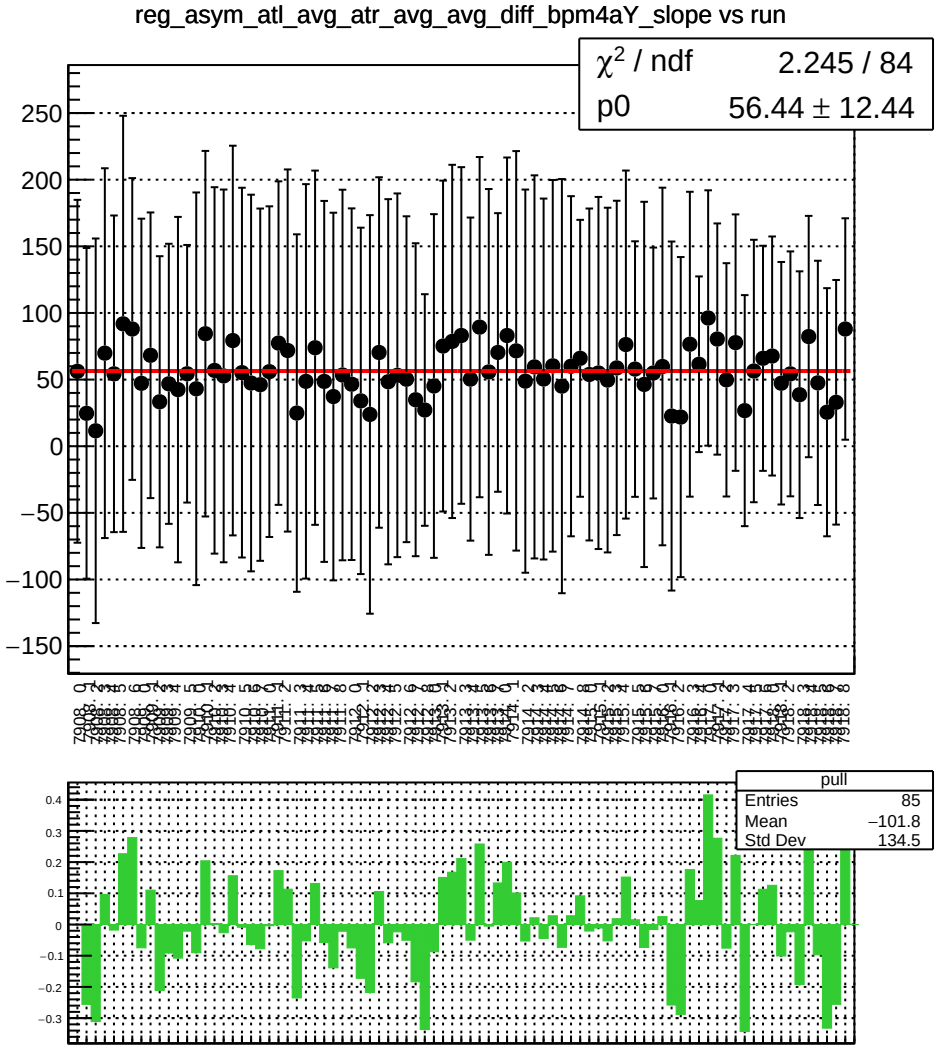

pull1D
Entries 85
Mean 0.009805
Std Dev 0.5096

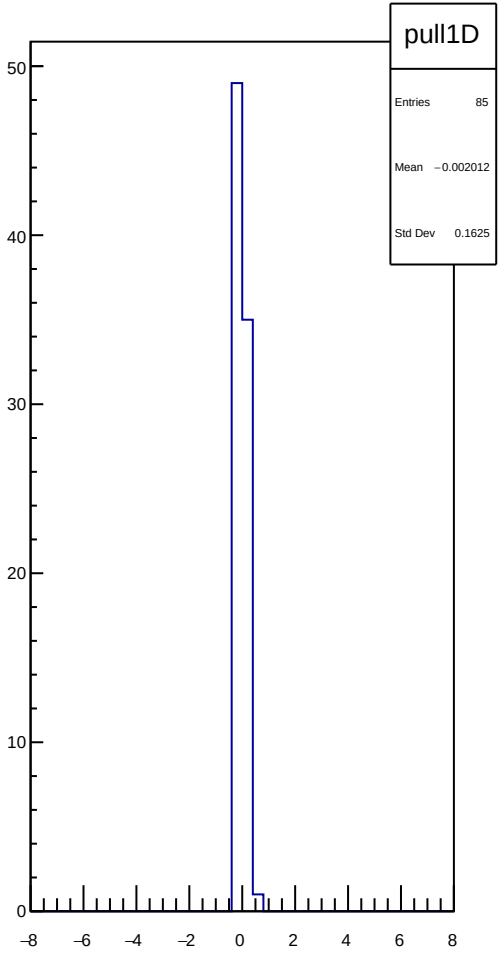

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 200.2 / 84
p0 6.155 ± 0.1193
pull
Entries 85
Mean −300.8
Std Dev 349.7

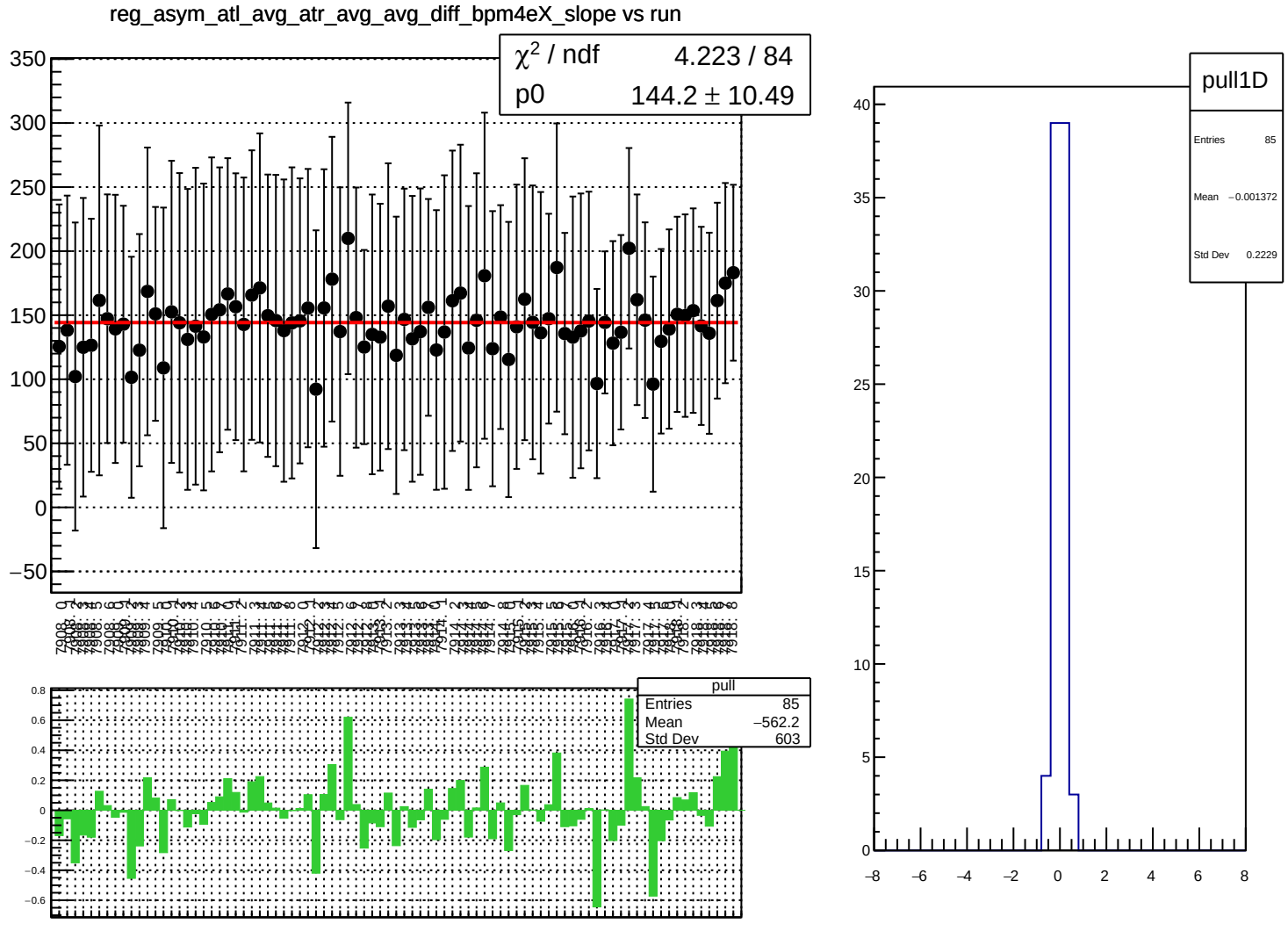

pull1D
Entries 85
Mean 0.07434
Std Dev 1.533

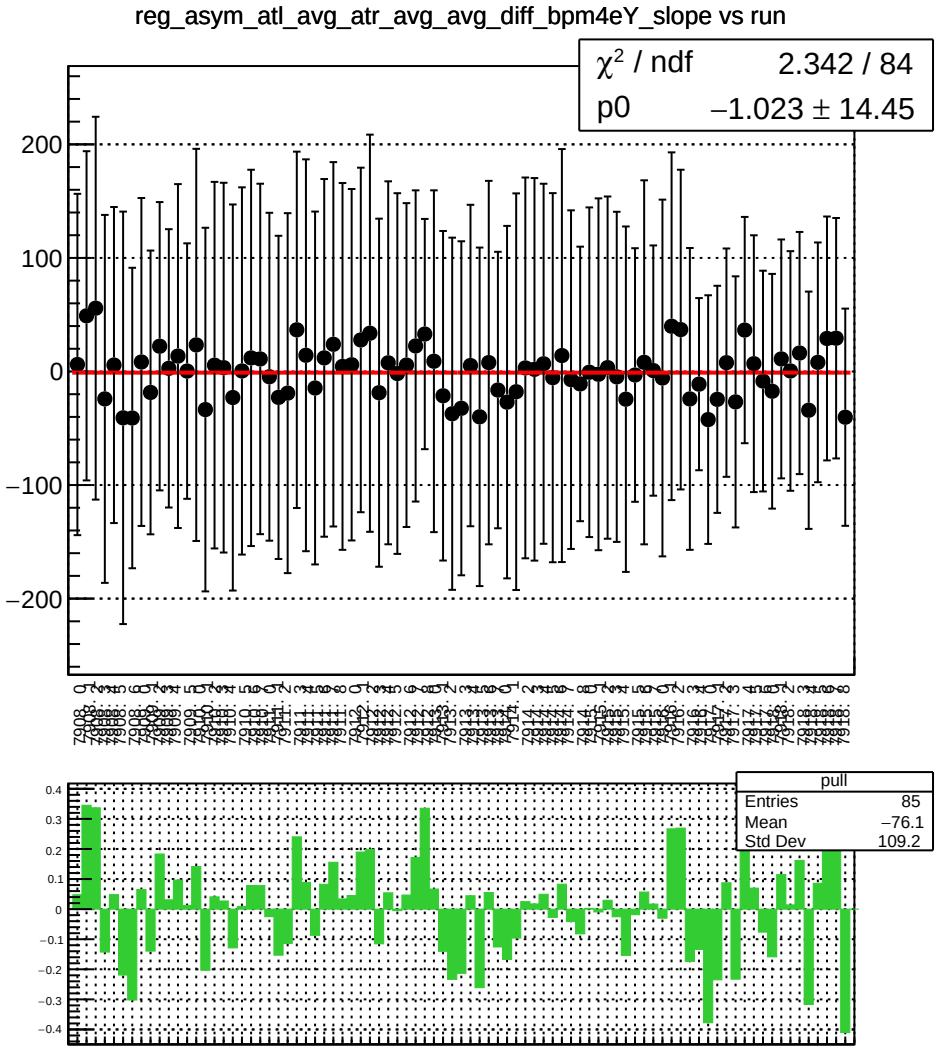

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 4.196 / 84
p0 −159.6 ± 12.25
pull
Entries 85
Mean 47.29
Std Dev 39.54

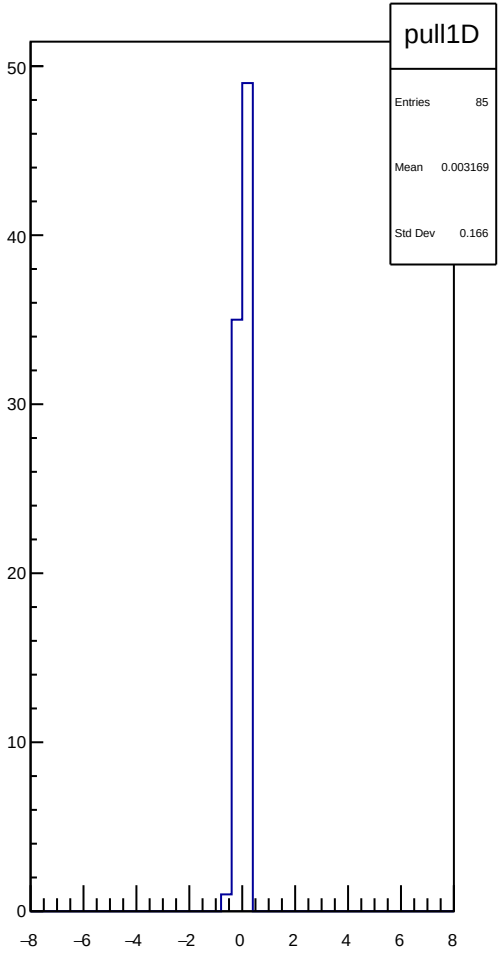

pull1D
Entries 85
Mean −0.006408
Std Dev 0.2221

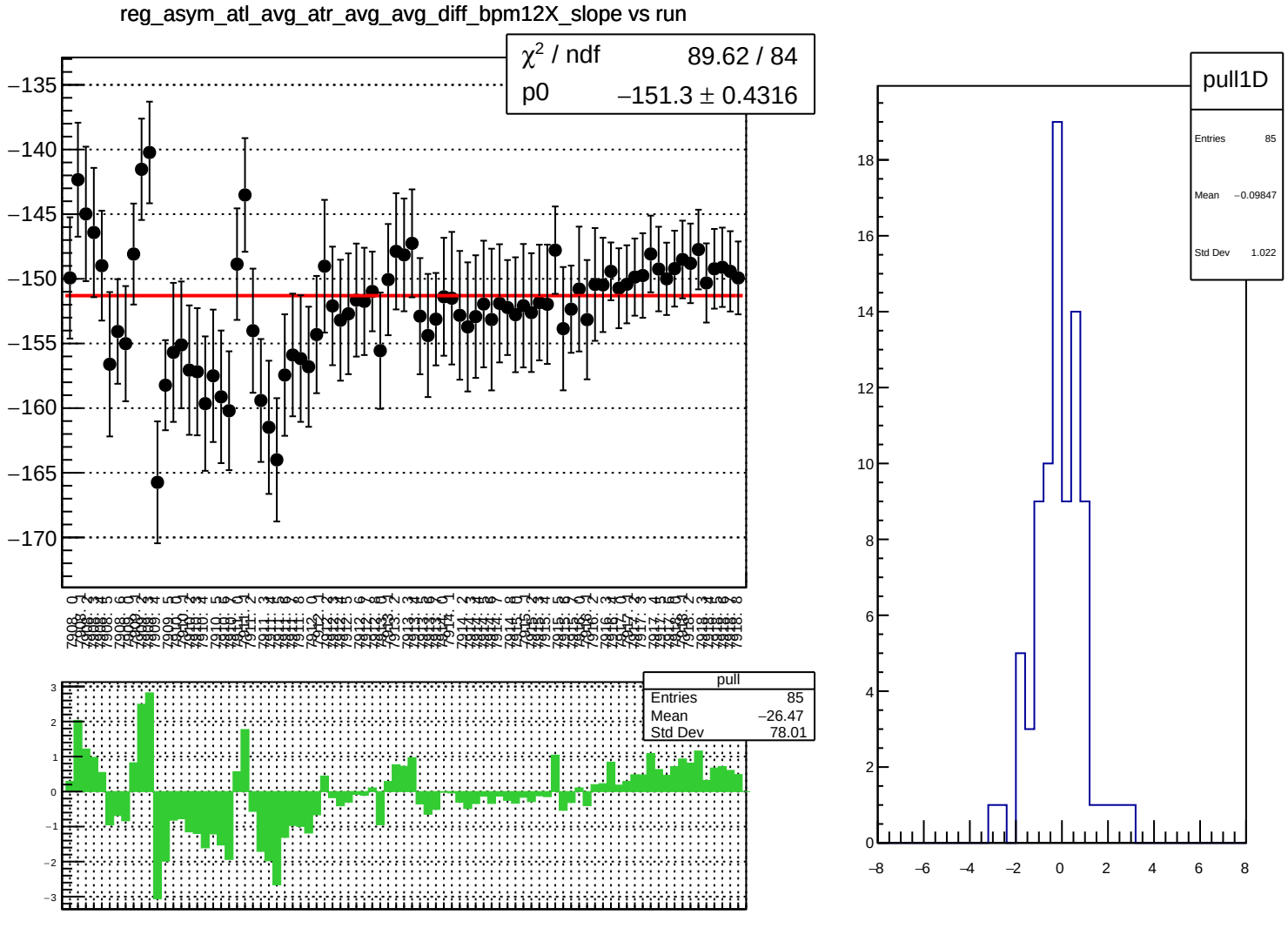

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.245 / 84
p0 56.44 ± 12.44
pull
Entries 85
Mean −101.8
Std Dev 134.5

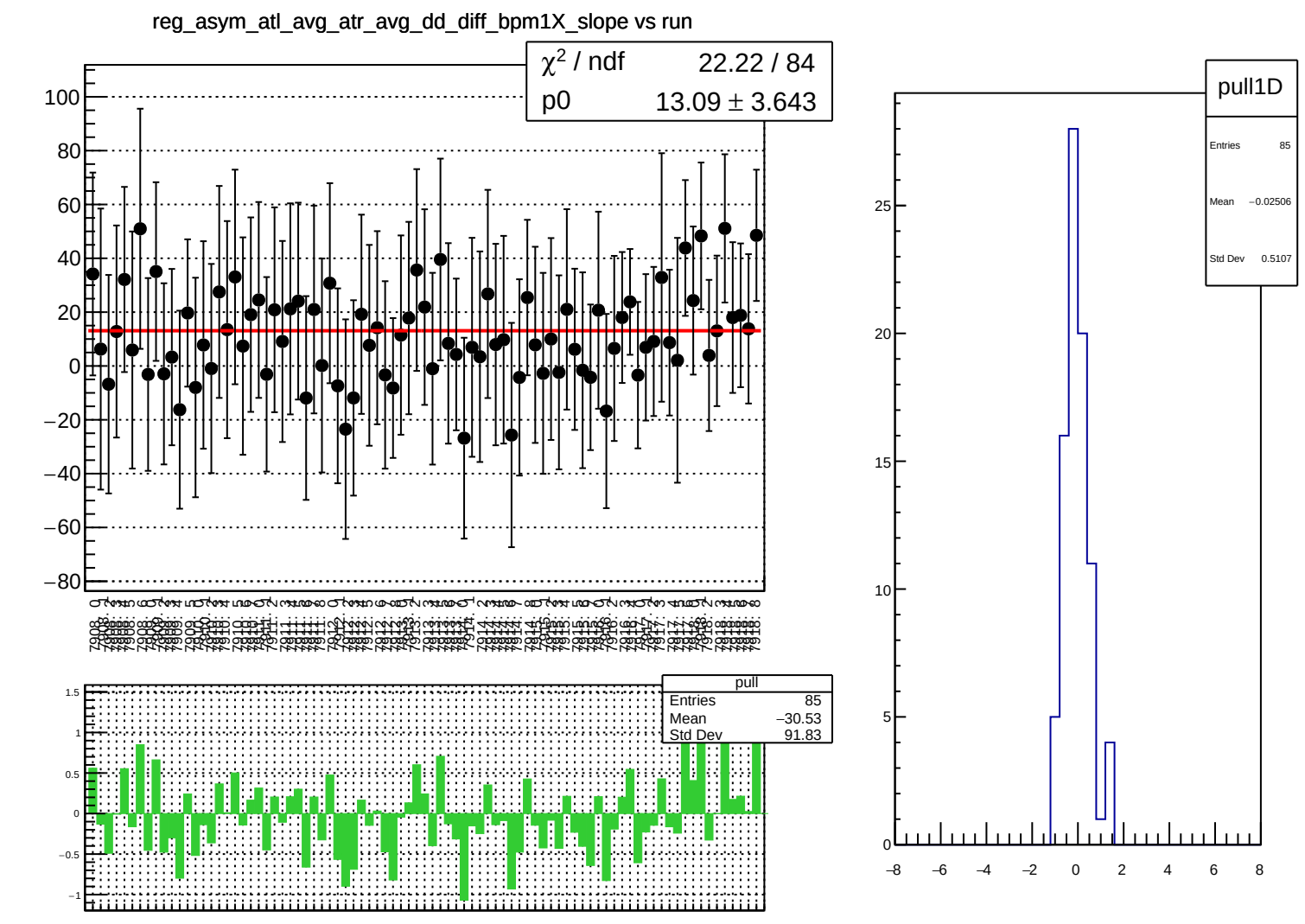

pull1D
Entries 85
Mean −0.002012
Std Dev 0.1625

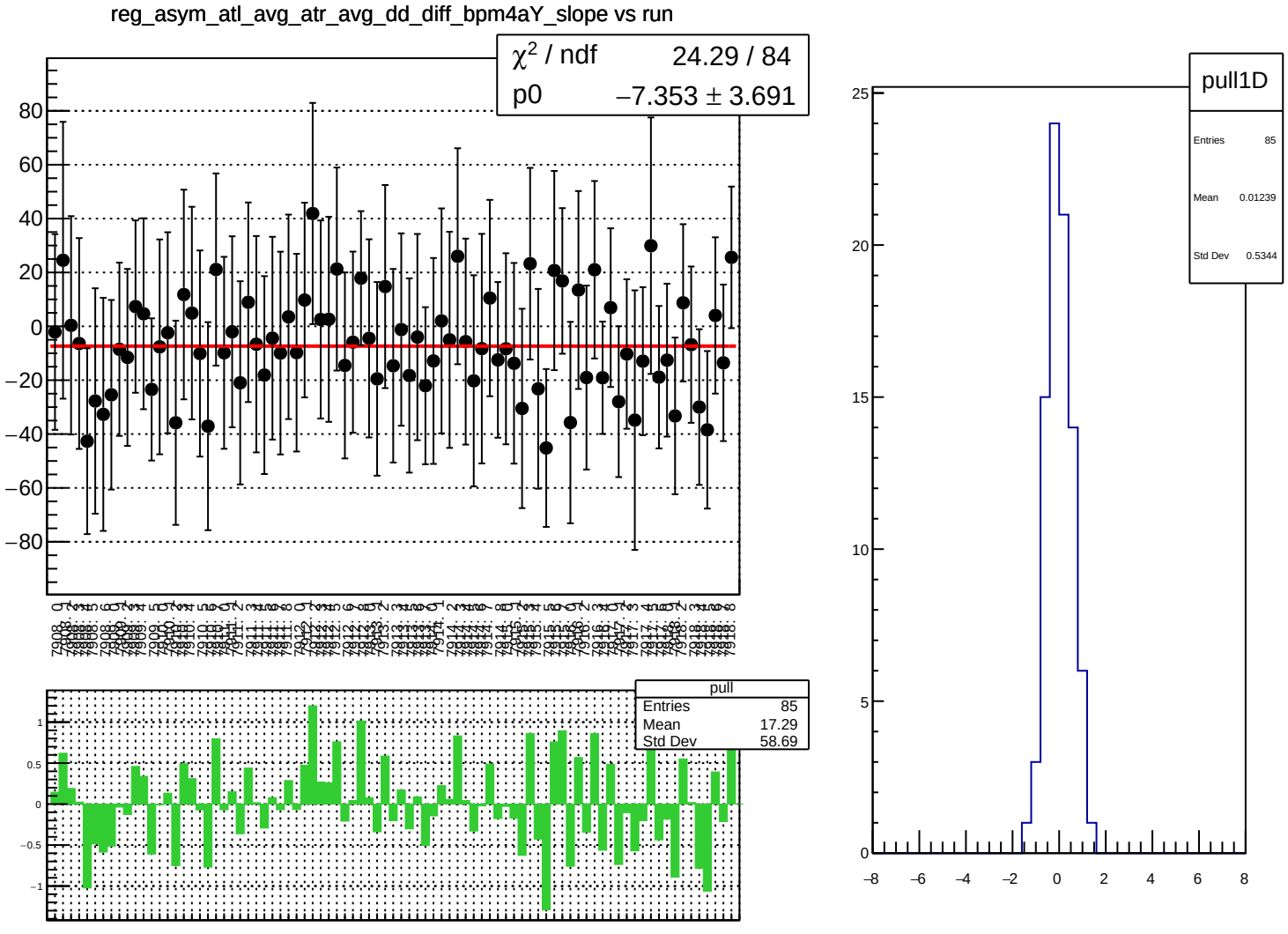

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.223 / 84
p0 144.2 ± 10.49
pull
Entries 85
Mean −562.2
Std Dev 603
pull1D
Entries 85
Mean −0.001372
Std Dev 0.2229

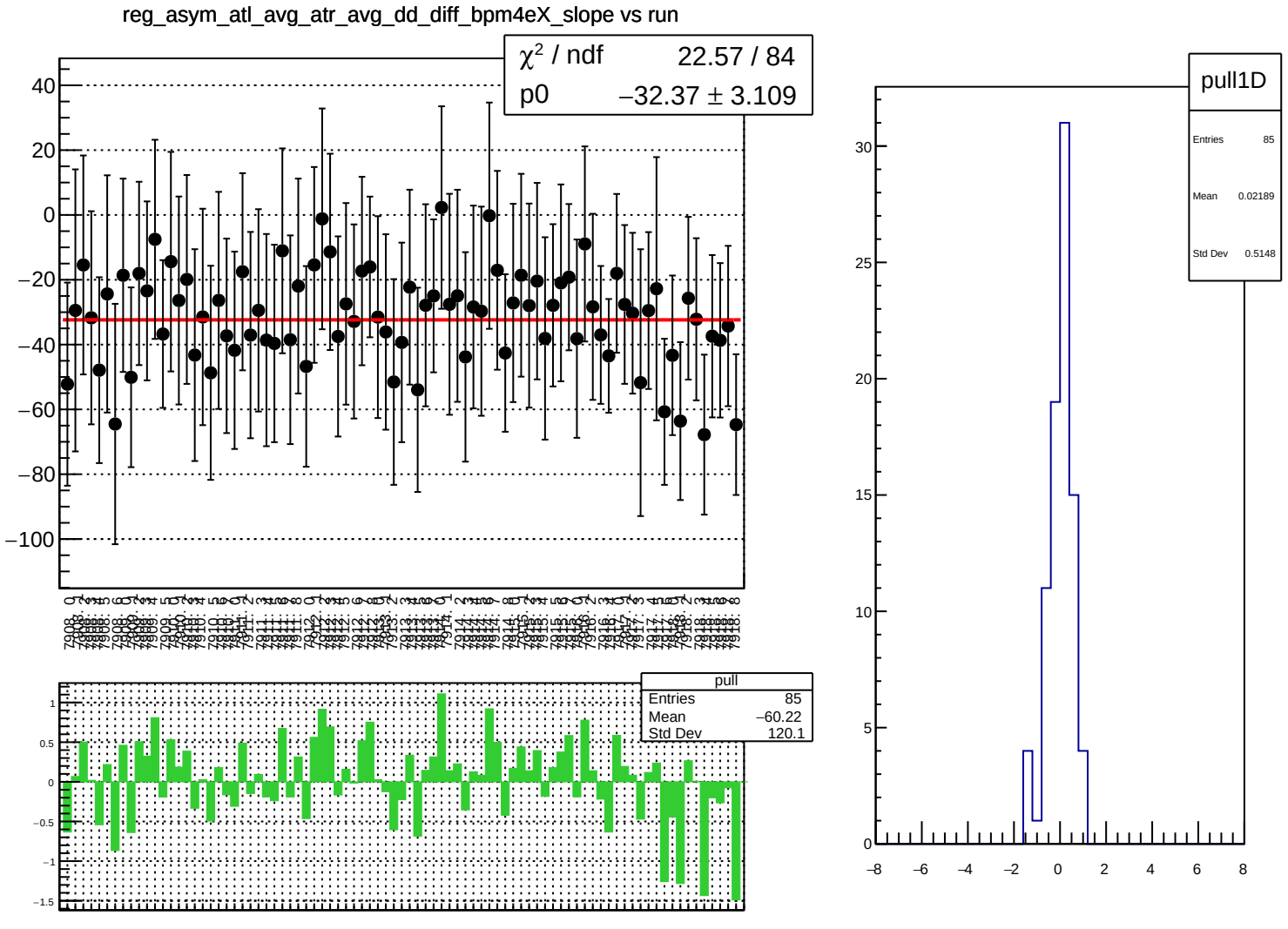

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.342 / 84
p0 −1.023 ± 14.45
200
100
0
−100
−200
pull
Entries 85
Mean −76.1
Std Dev 109.2
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

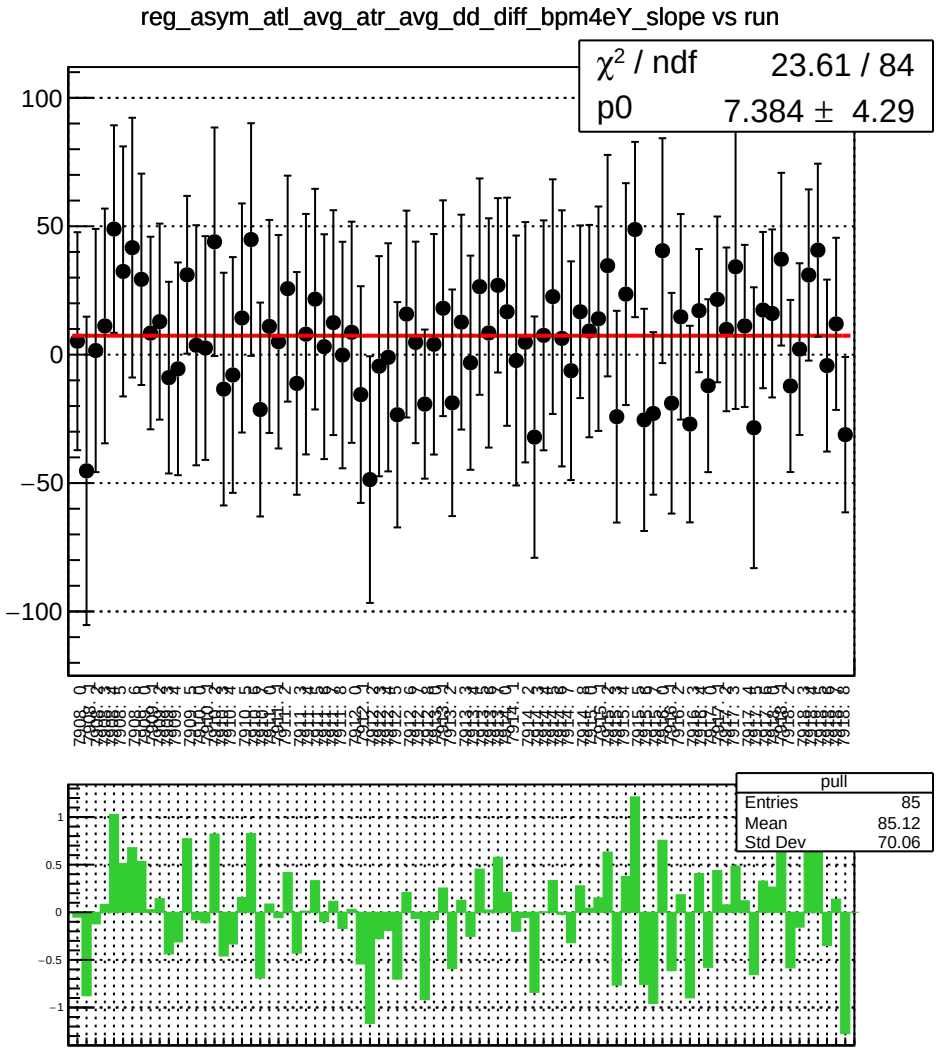

pull1D
Entries 85
Mean 0.003169
Std Dev 0.166
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

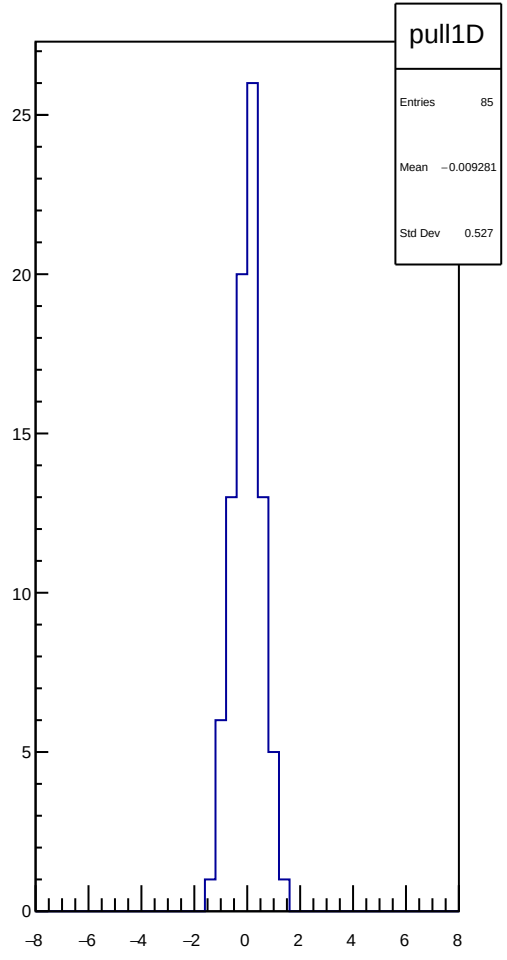

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 89.62 / 84
p0 −151.3 ± 0.4316
−135
−140
−145
−150
−155
−160
−165
−170
pull
Entries 85
Mean −26.47
Std Dev 78.01
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.09847
Std Dev 1.022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

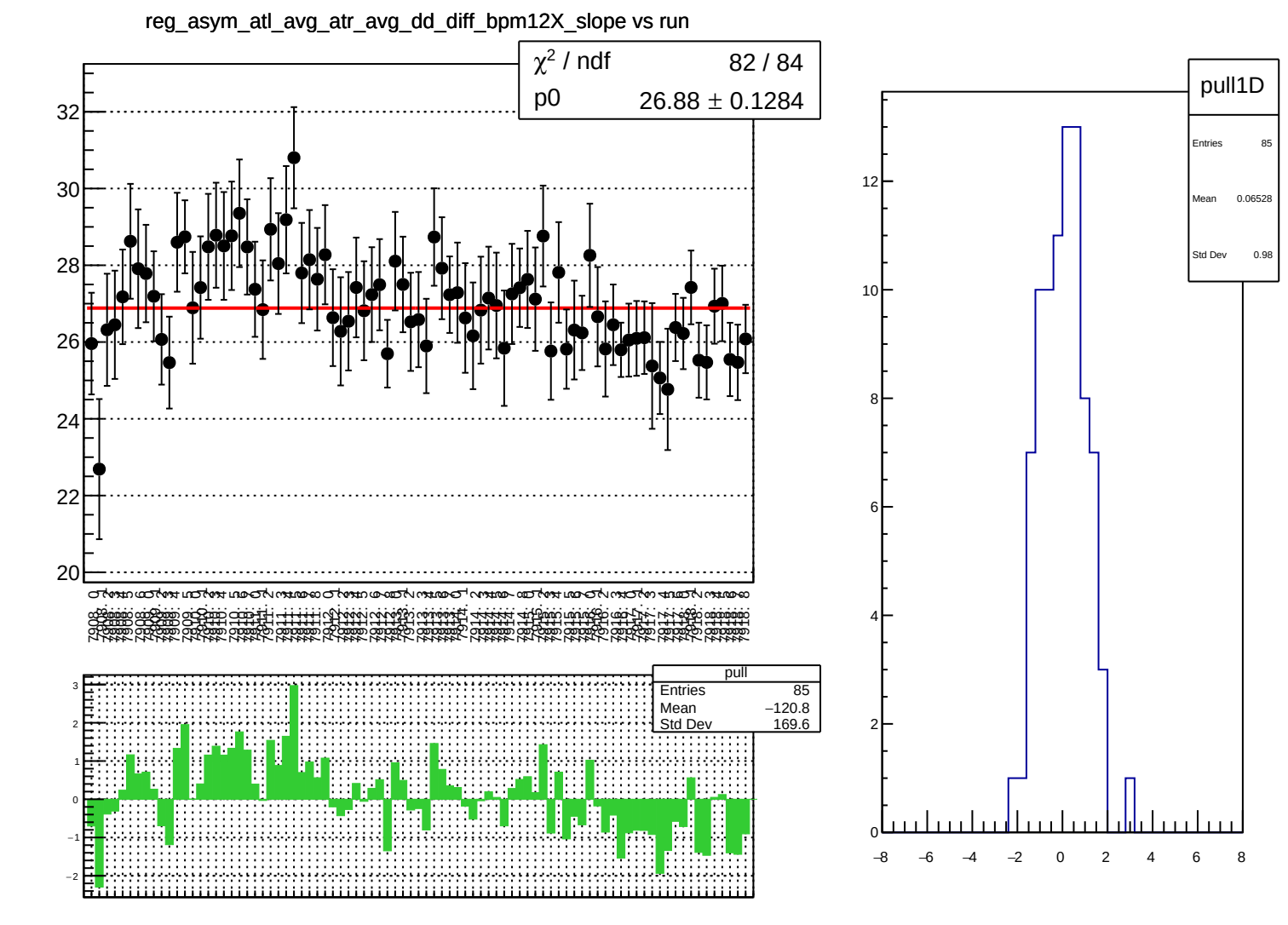

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 22.22 / 84
p0 13.09 ± 3.643
pull
Entries 85
Mean −30.53
Std Dev 91.83
pull1D
Entries 85
Mean −0.02506
Std Dev 0.5107

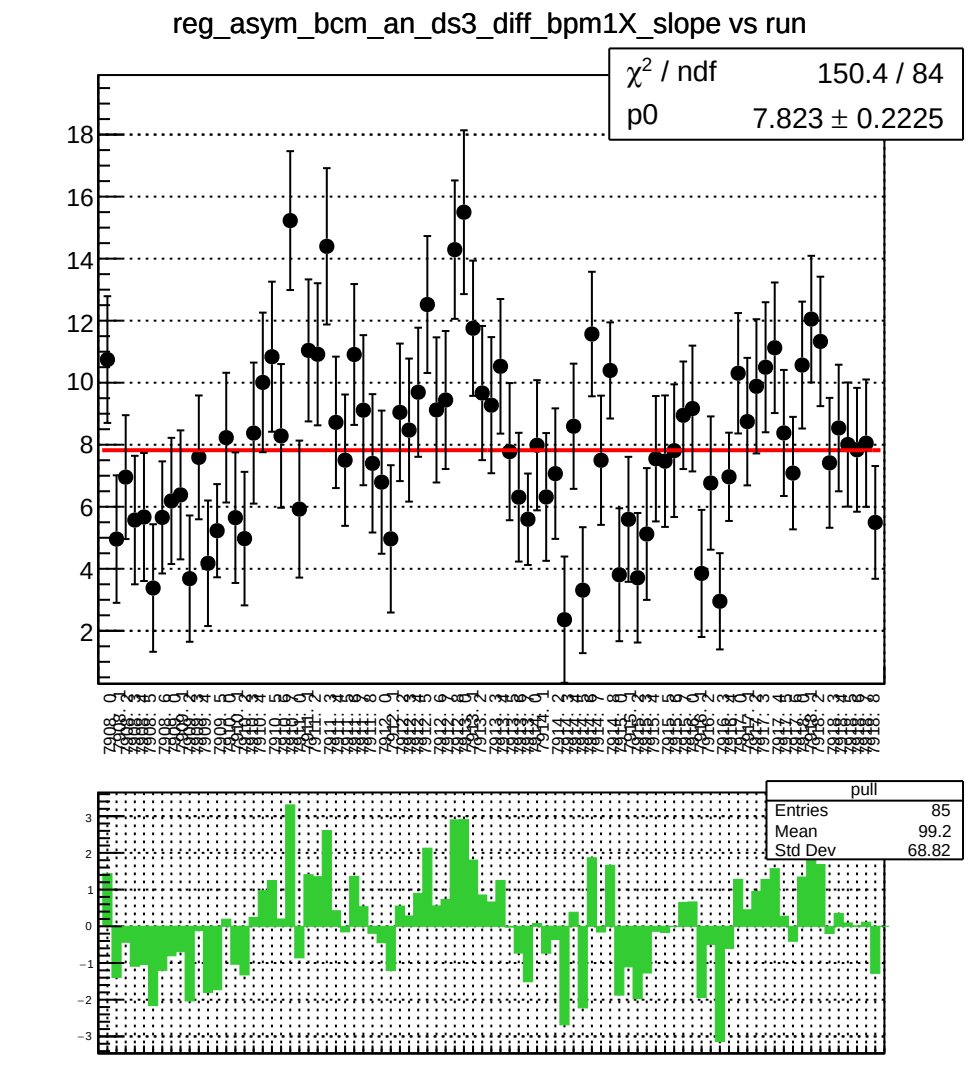

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.29 / 84
p0 −7.353 ± 3.691
pull
Entries 85
Mean 17.29
Std Dev 58.69
pull1D
Entries 85
Mean 0.01239
Std Dev 0.5344

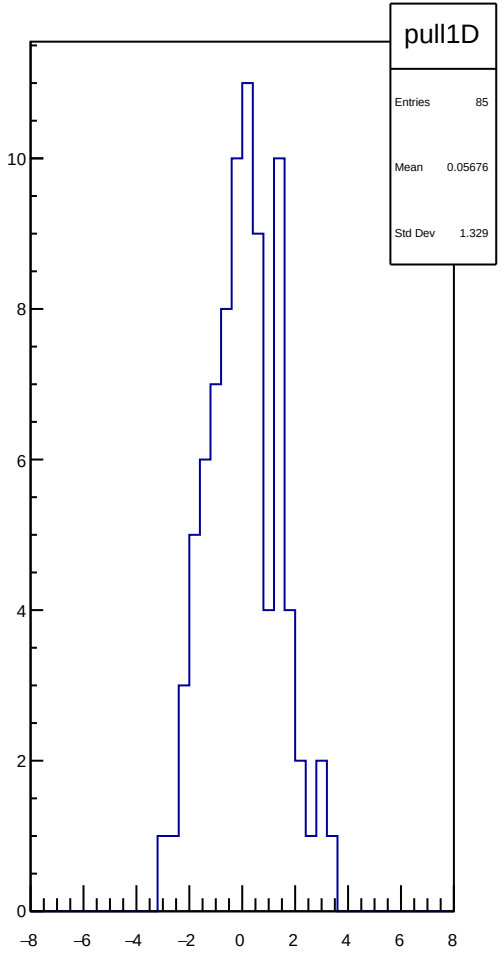

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.57 / 84
p0 −32.37 ± 3.109
pull
Entries 85
Mean −60.22
Std Dev 120.1
pull1D
Entries 85
Mean 0.02189
Std Dev 0.5148

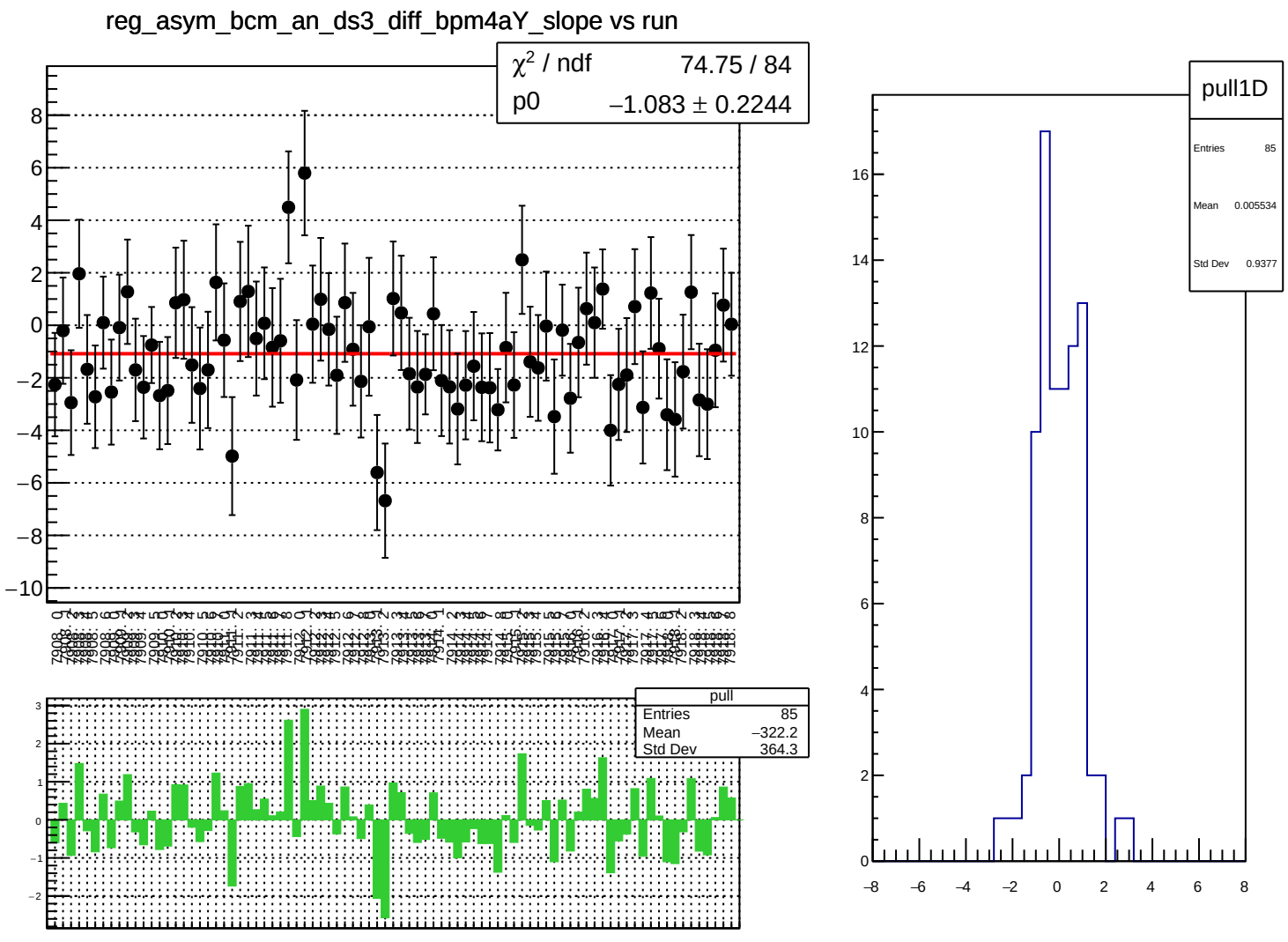

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.61 / 84
p0 7.384 ± 4.29
100
50
0
−50
−100
pull
Entries 85
Mean 85.12
Std Dev 70.06
1
0.5
0
−0.5
−1

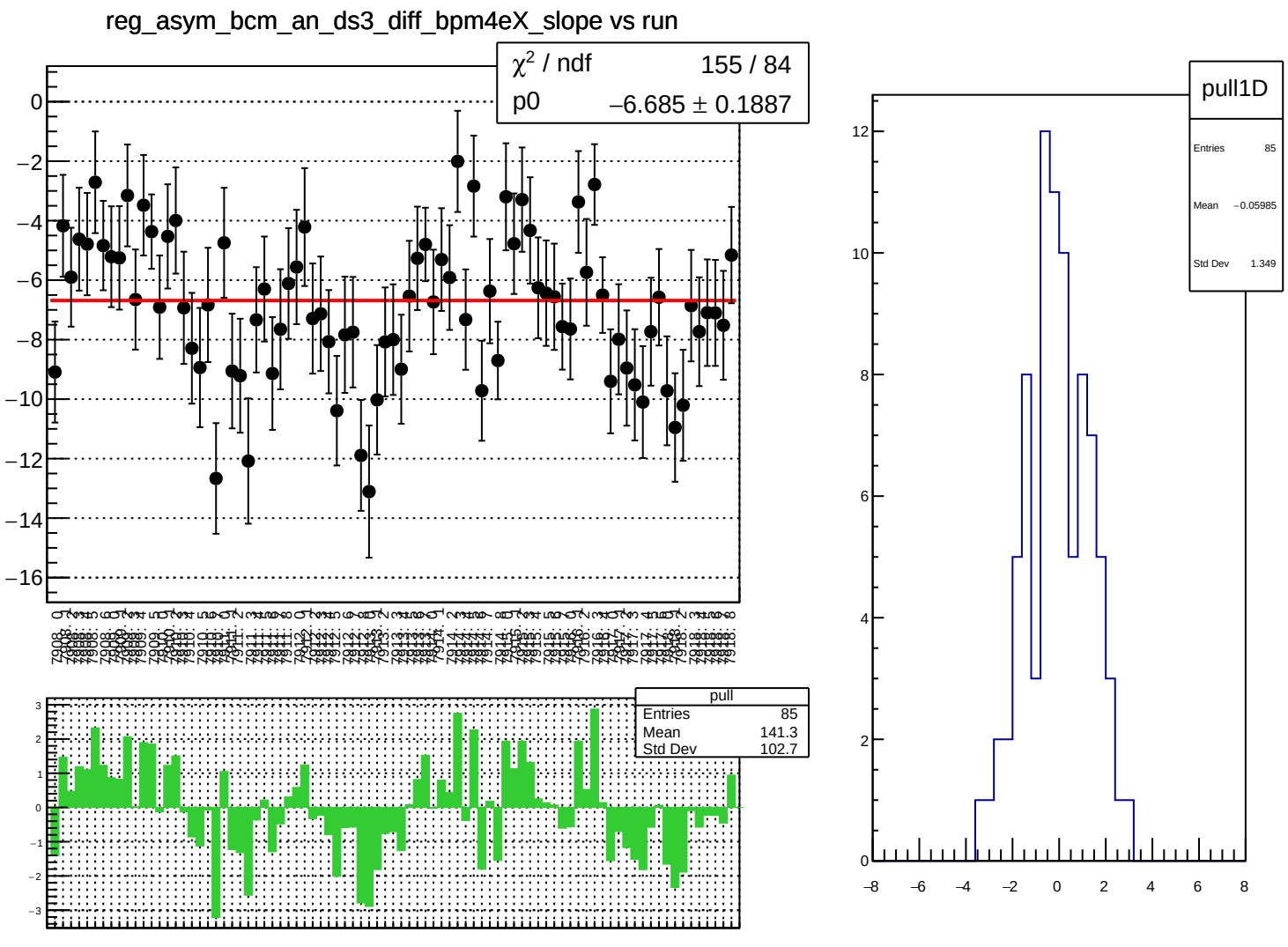

pull1D
Entries 85
Mean −0.009281
Std Dev 0.527
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

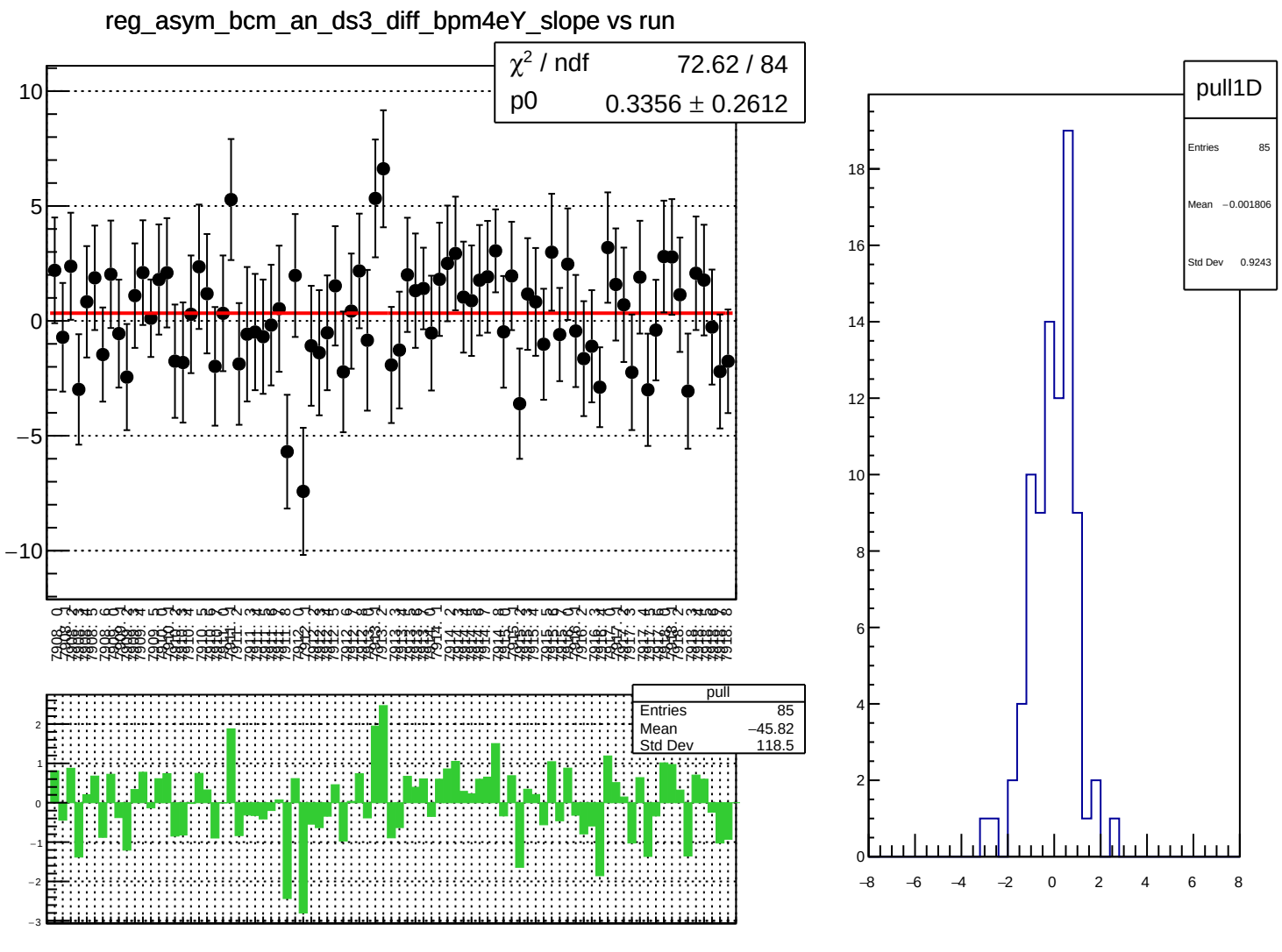

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 82 / 84
p0 26.88 ± 0.1284
pull
Entries 85
Mean −120.8
Std Dev 169.6
pull1D
Entries 85
Mean 0.06528
Std Dev 0.98

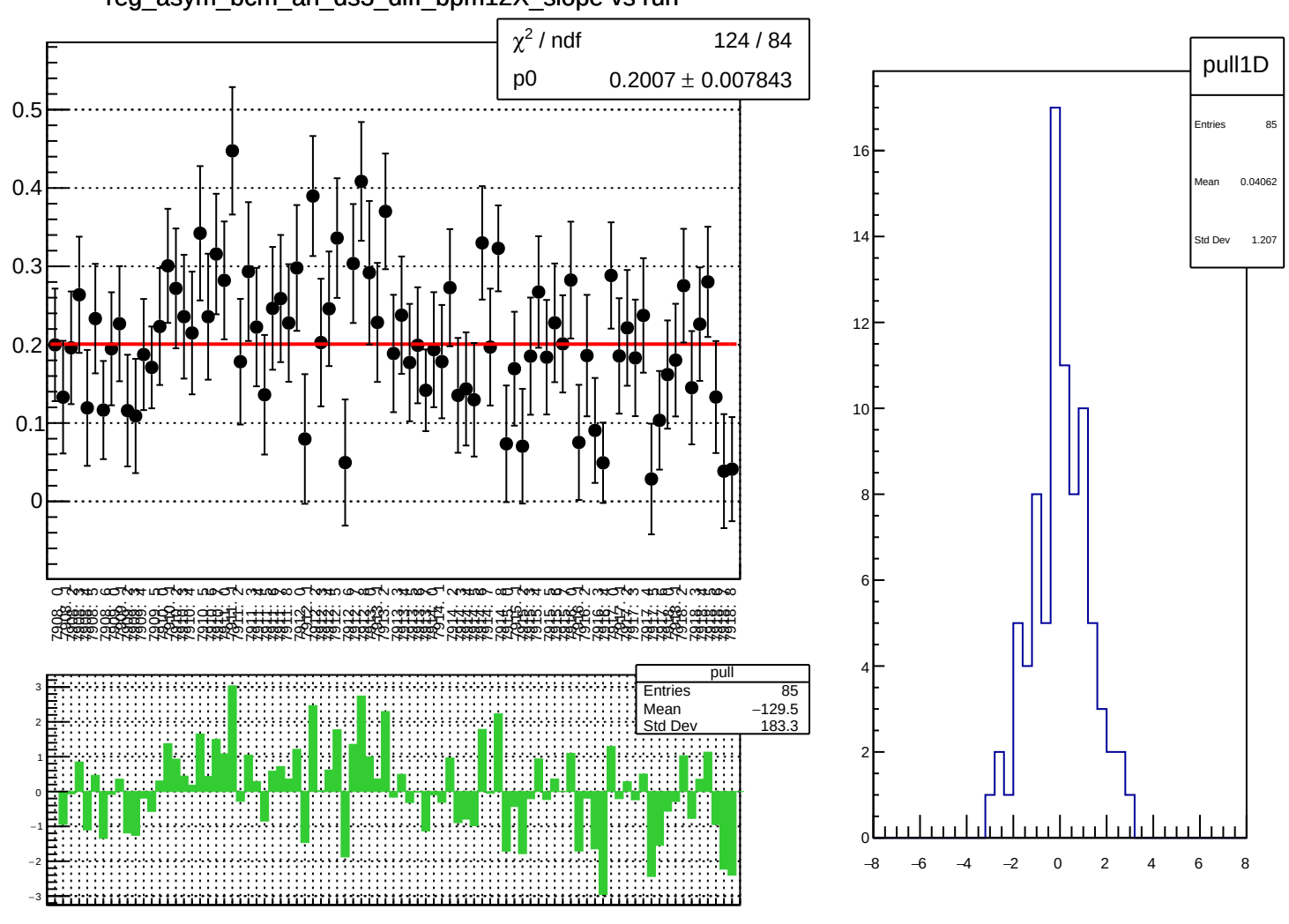

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 150.4 / 84
p0 7.823 ± 0.2225
pull
Entries 85
Mean 99.2
Std Dev 68.82

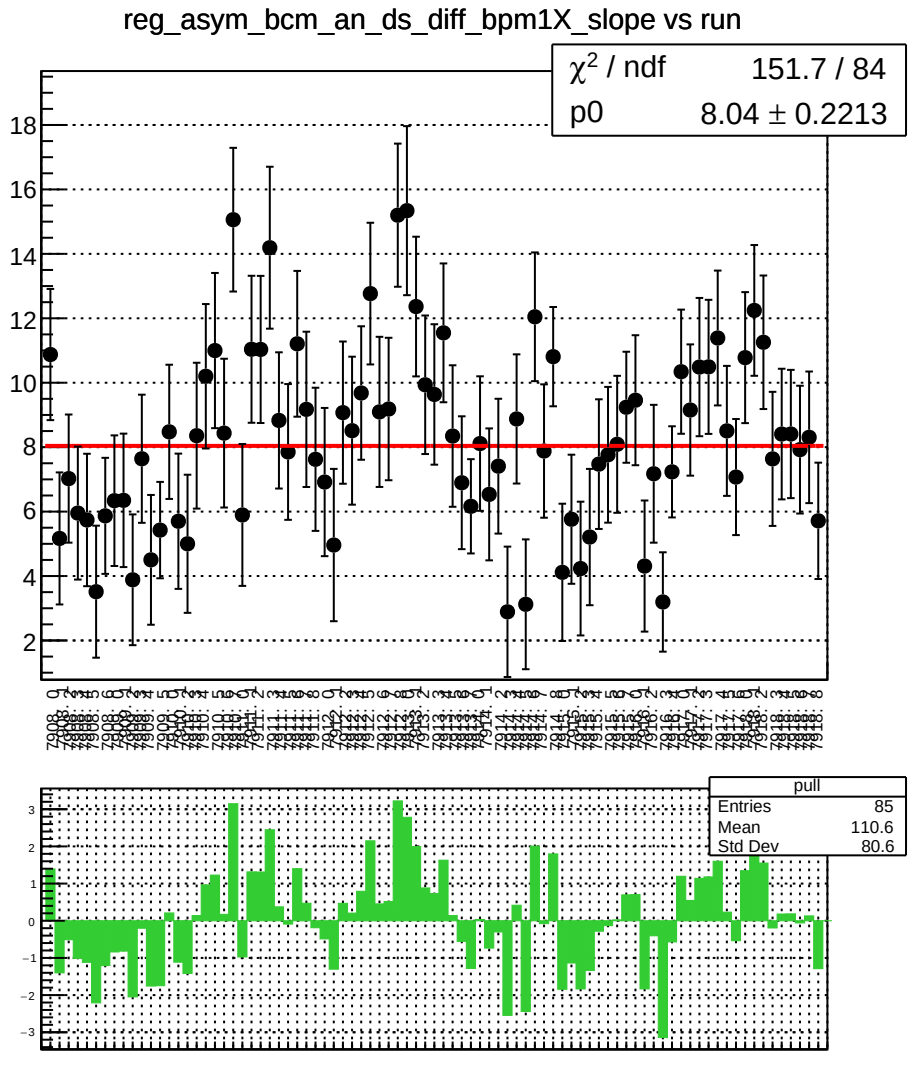

pull1D
Entries 85
Mean 0.05676
Std Dev 1.329

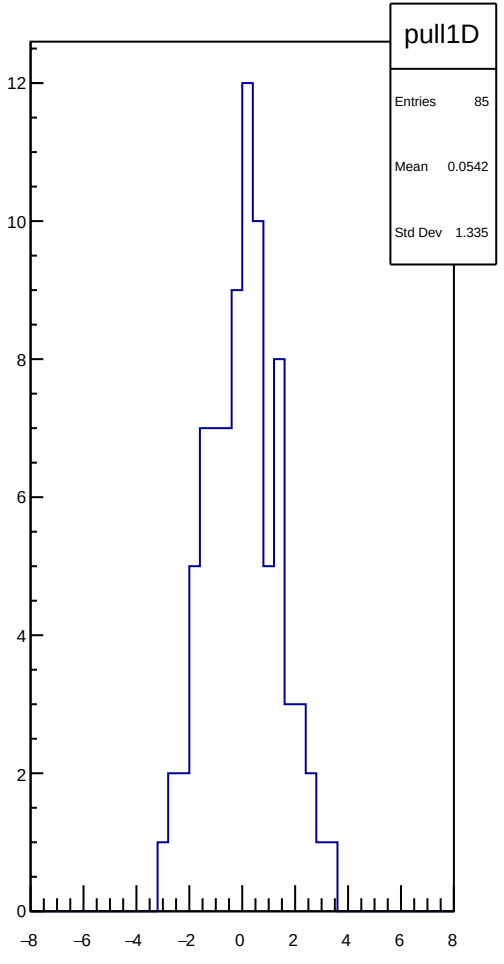

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 74.75 / 84
p0 −1.083 ± 0.2244
pull
Entries 85
Mean −322.2
Std Dev 364.3
pull1D
Entries 85
Mean 0.005534
Std Dev 0.9377

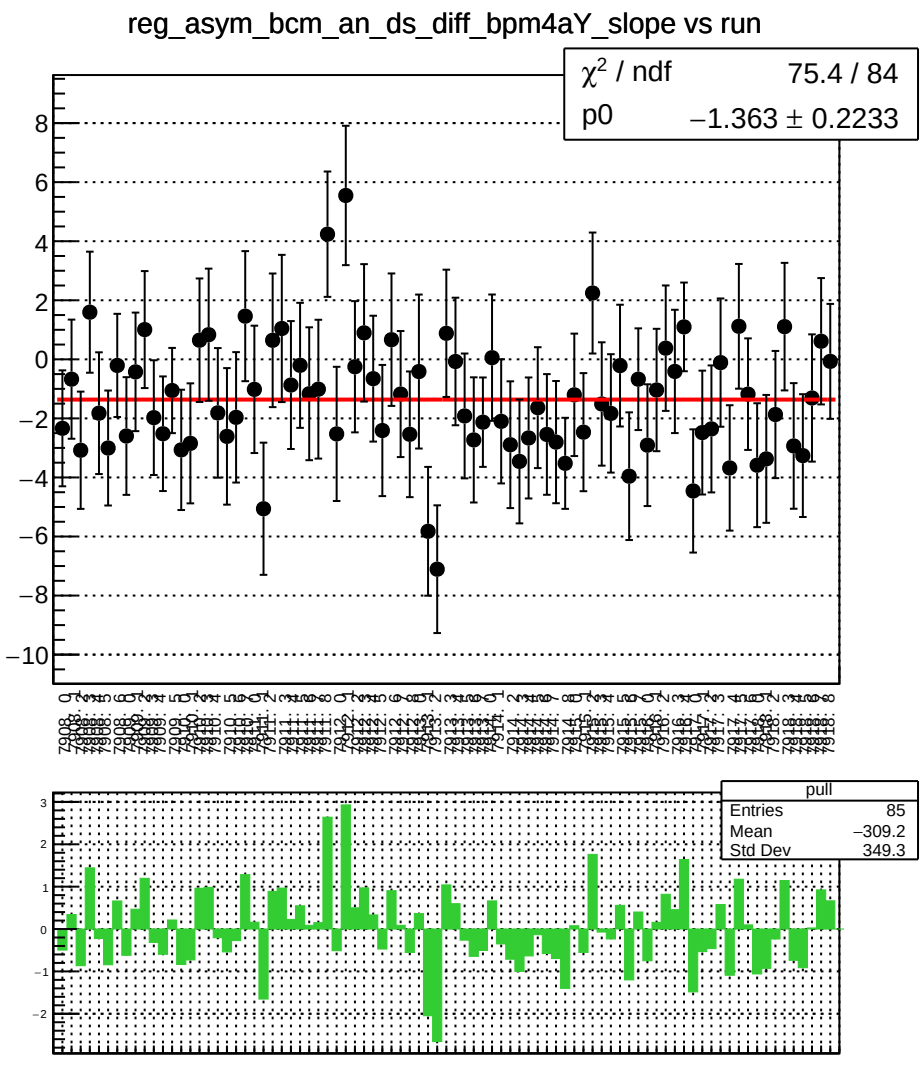

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 155 / 84
p0 −6.685 ± 0.1887
pull
Entries 85
Mean 141.3
Std Dev 102.7
pull1D
Entries 85
Mean −0.05985
Std Dev 1.349

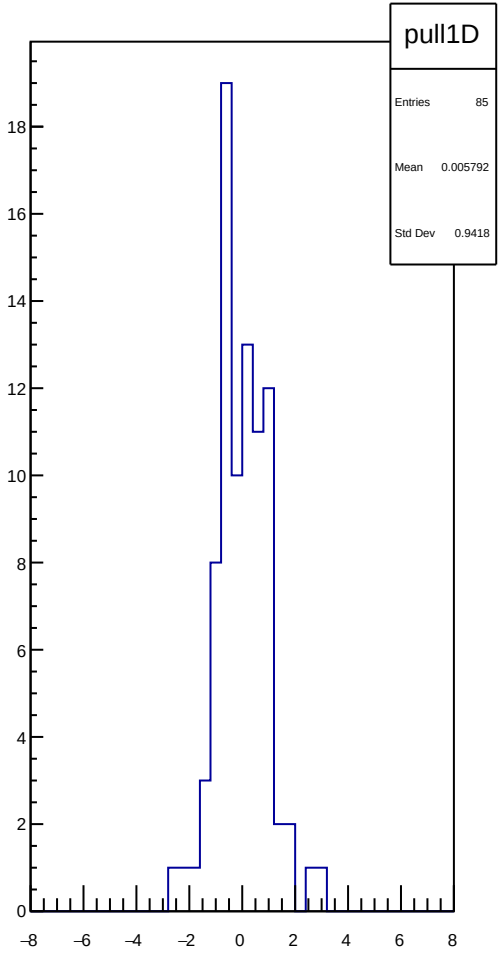

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 72.62 / 84
p0 0.3356 ± 0.2612
pull
Entries 85
Mean −45.82
Std Dev 118.5
pull1D
Entries 85
Mean −0.001806
Std Dev 0.9243

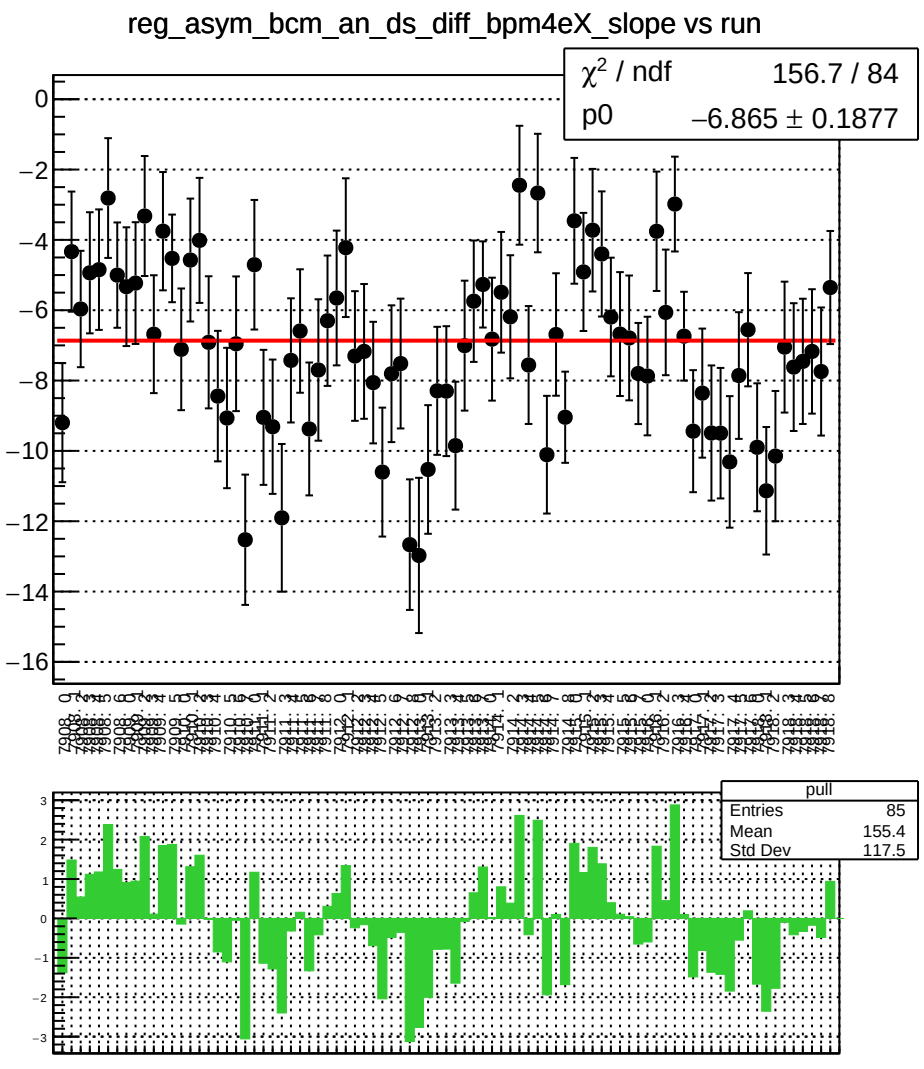

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 124 / 84
p0 0.2007 ± 0.007843
pull
Entries 85
Mean −129.5
Std Dev 183.3
pull1D
Entries 85
Mean 0.04062
Std Dev 1.207

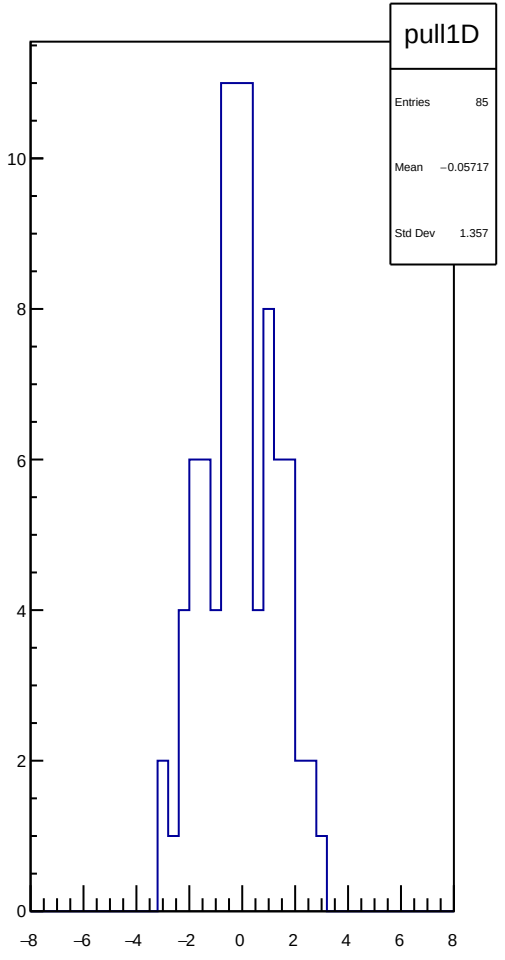

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 151.7 / 84
p0 8.04 ± 0.2213
pull
Entries 85
Mean 110.6
Std Dev 80.6

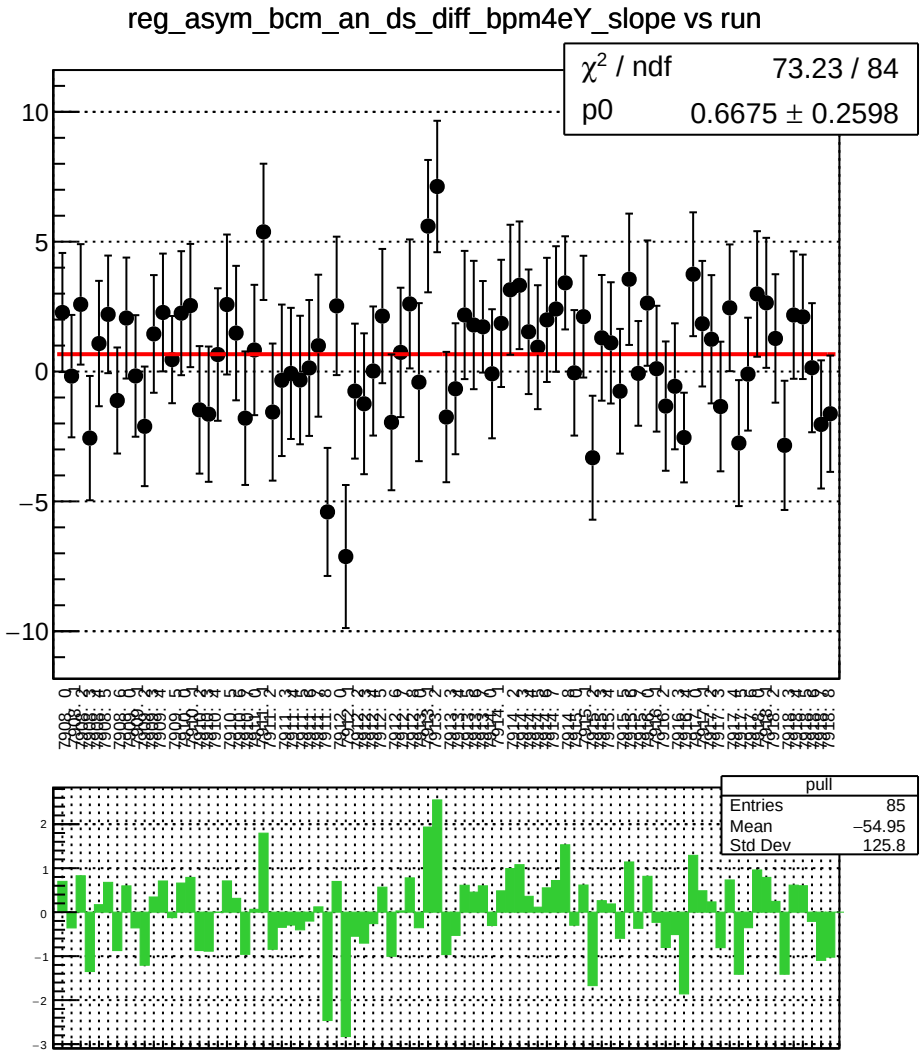

pull1D
Entries 85
Mean 0.0542
Std Dev 1.335

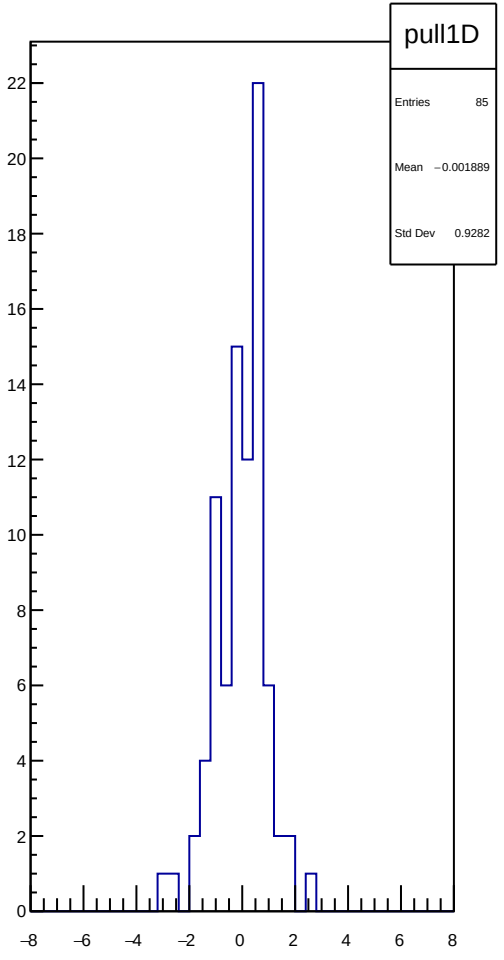

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 75.4 / 84
p0 −1.363 ± 0.2233
pull
Entries 85
Mean −309.2
Std Dev 349.3

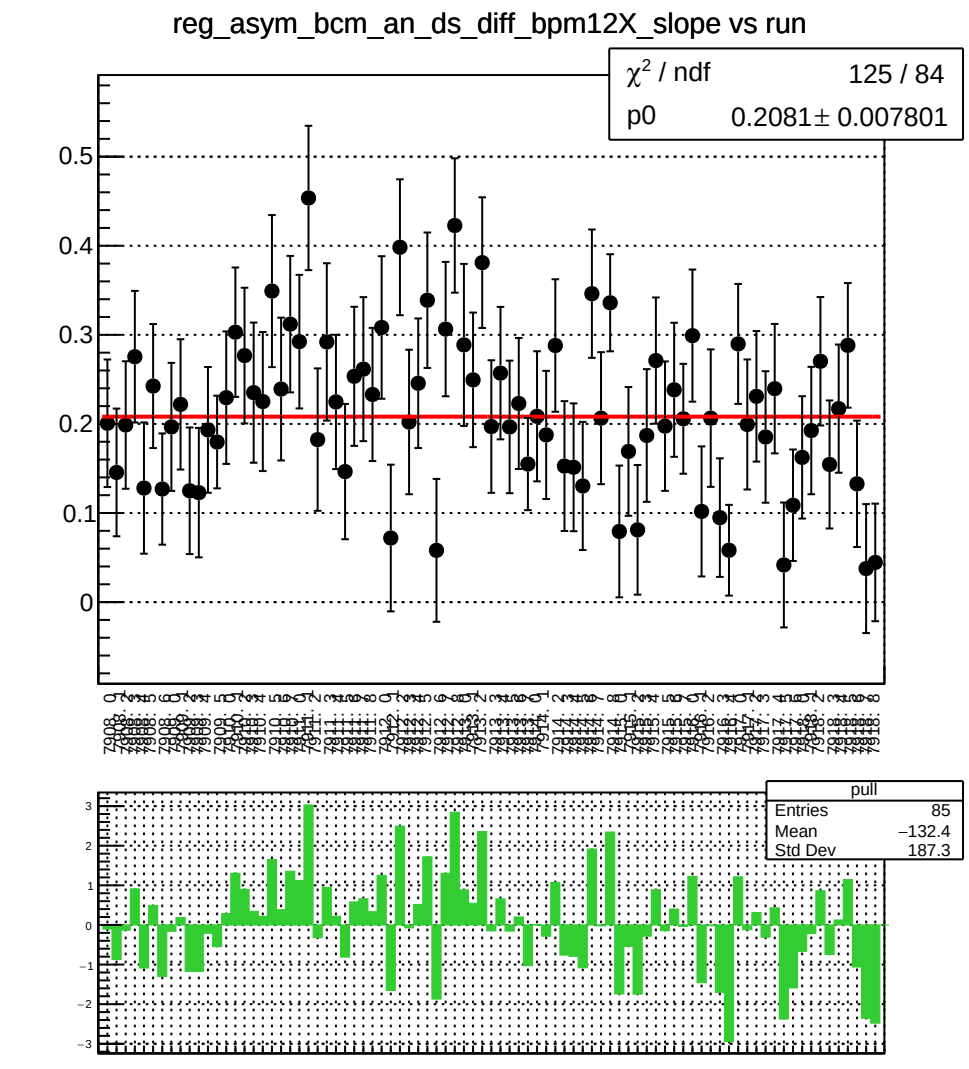

pull1D
Entries 85
Mean 0.005792
Std Dev 0.9418

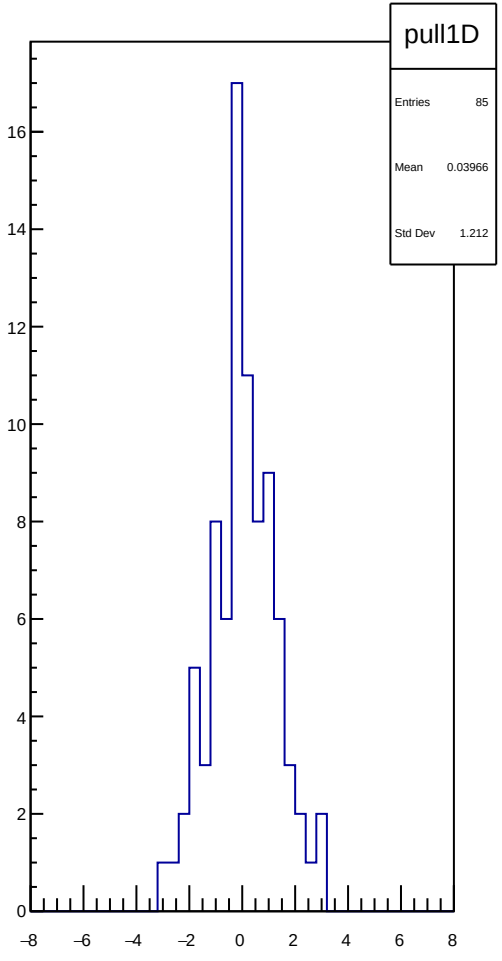

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 156.7 / 84
p0 −6.865 ± 0.1877
pull
Entries 85
Mean 155.4
Std Dev 117.5

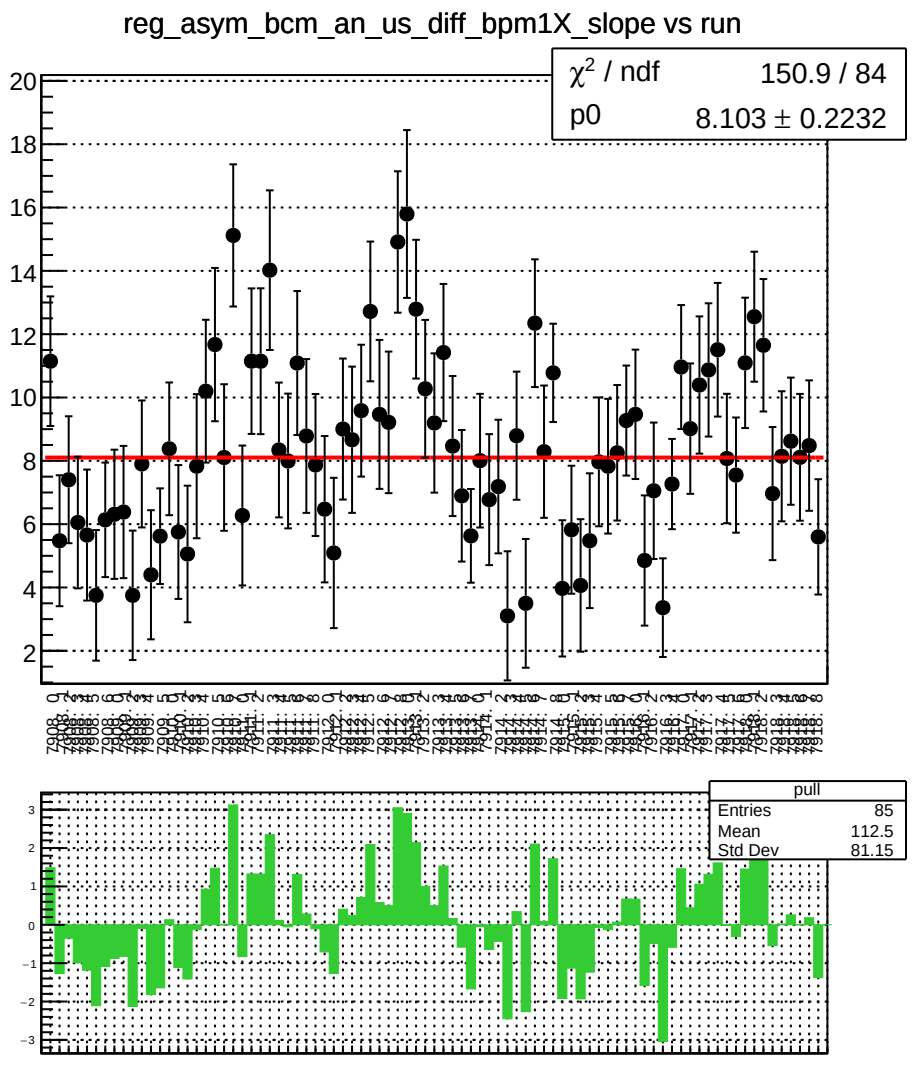

pull1D
Entries 85
Mean −0.05717
Std Dev 1.357

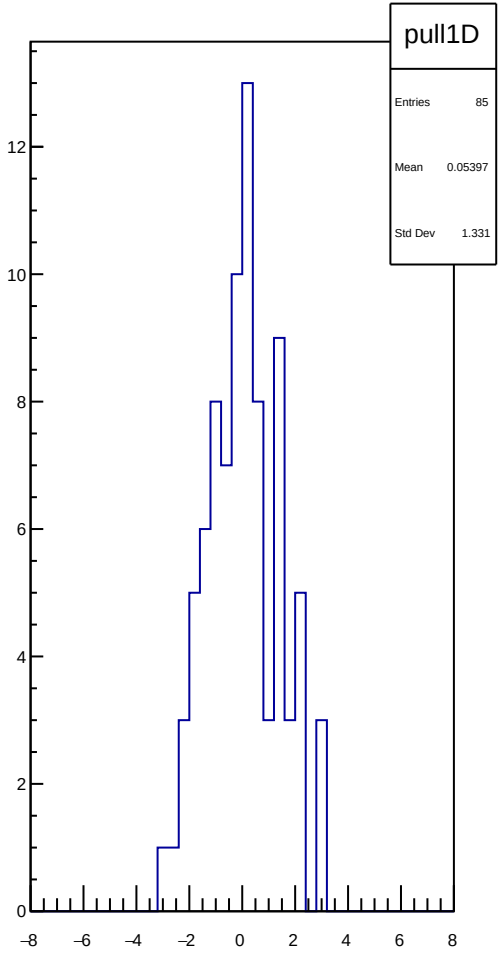

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.23 / 84
p0 0.6675 ± 0.2598
pull
Entries 85
Mean −54.95
Std Dev 125.8

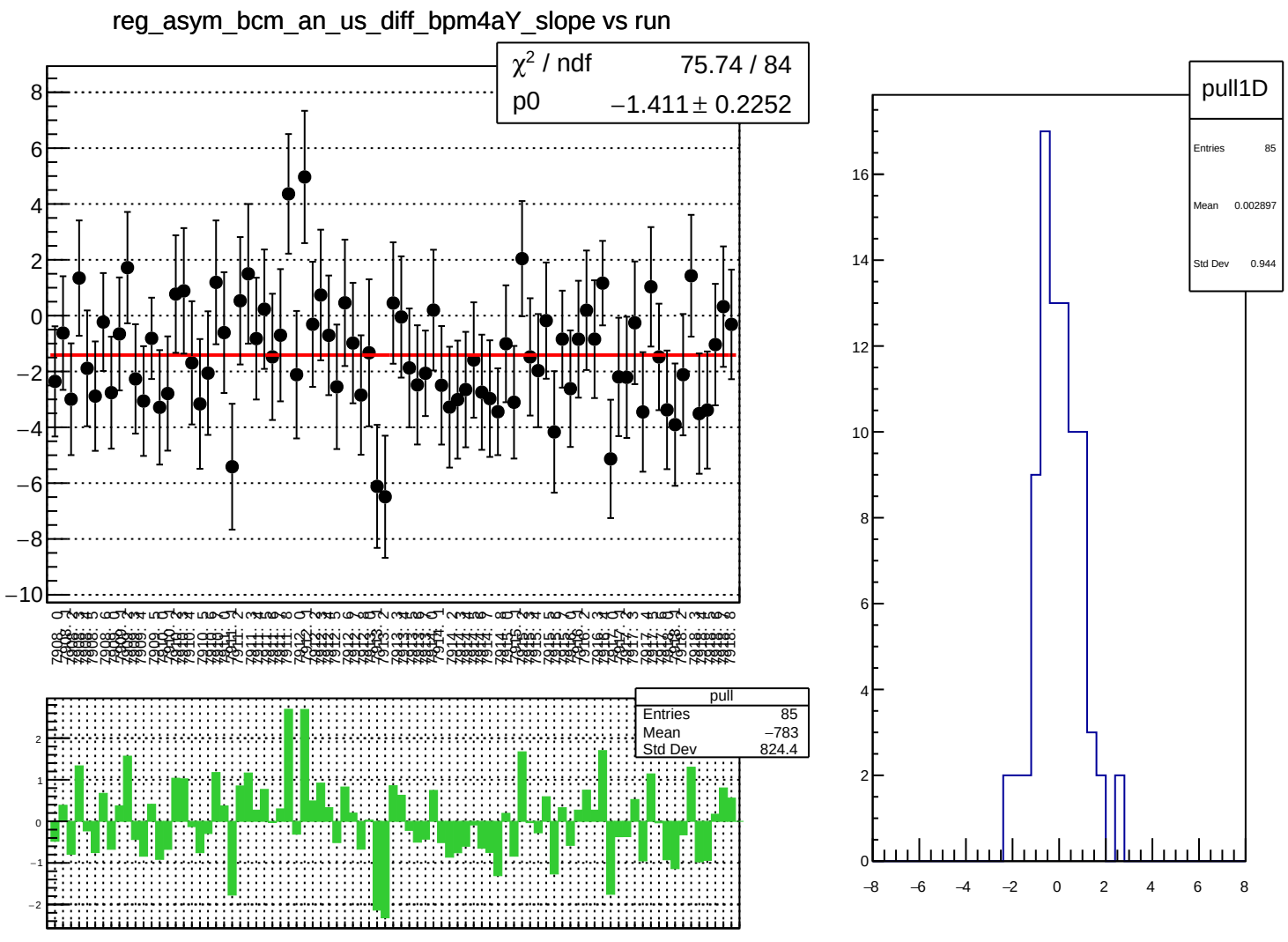

pull1D
Entries 85
Mean −0.001889
Std Dev 0.9282

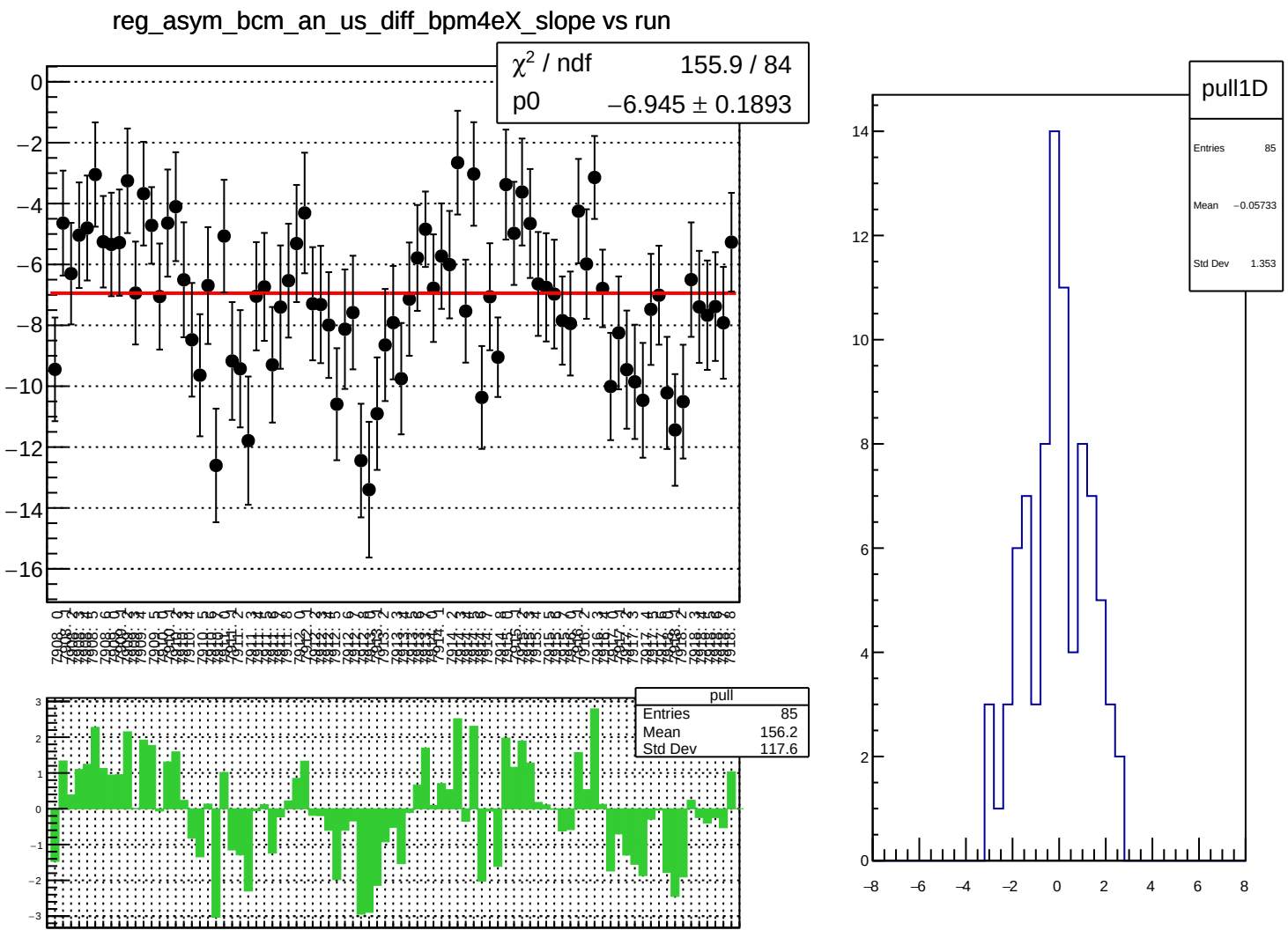

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 125 / 84
p0 0.2081± 0.007801
pull
Entries 85
Mean −132.4
Std Dev 187.3

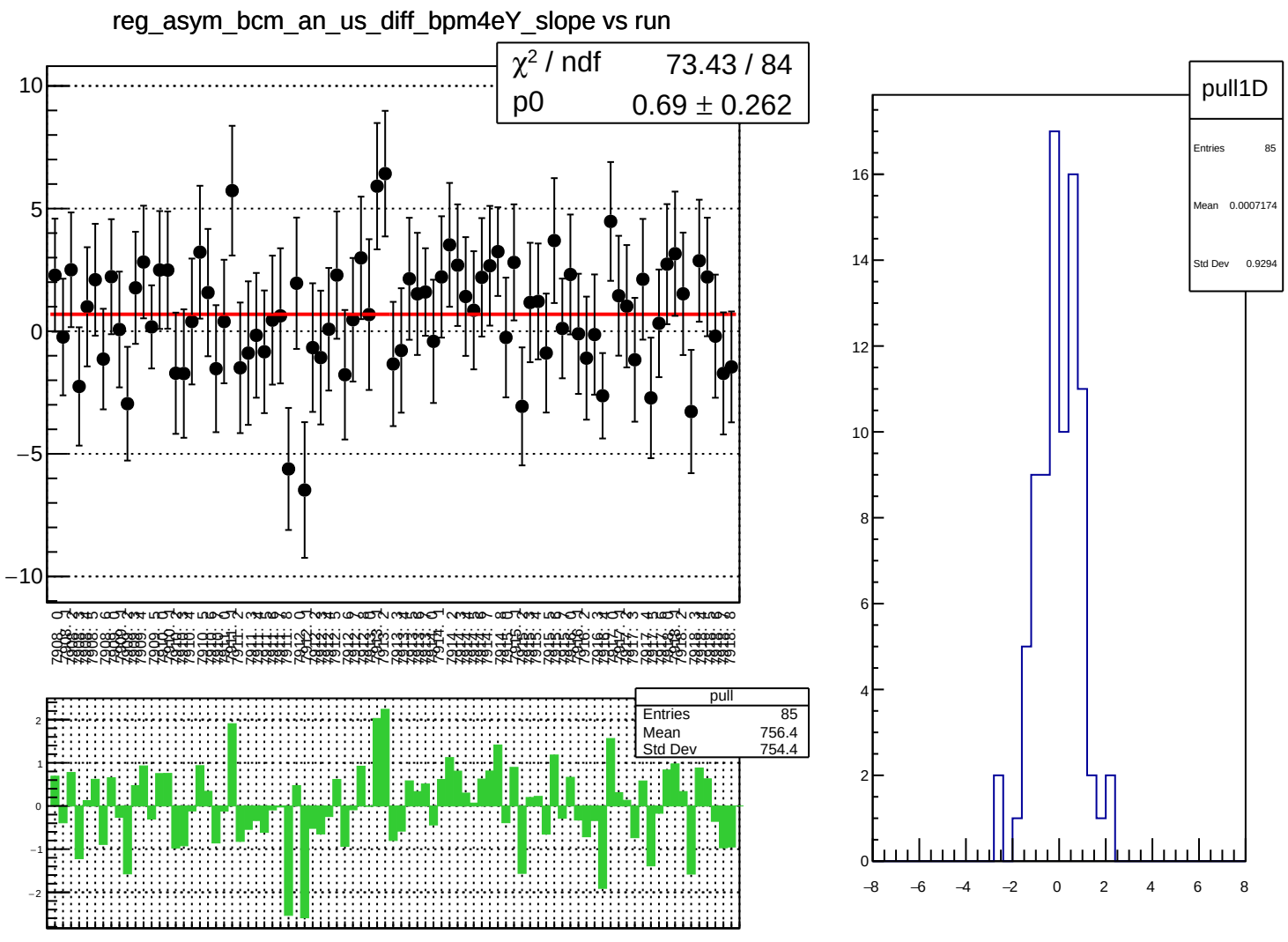

pull1D
Entries 85
Mean 0.03966
Std Dev 1.212

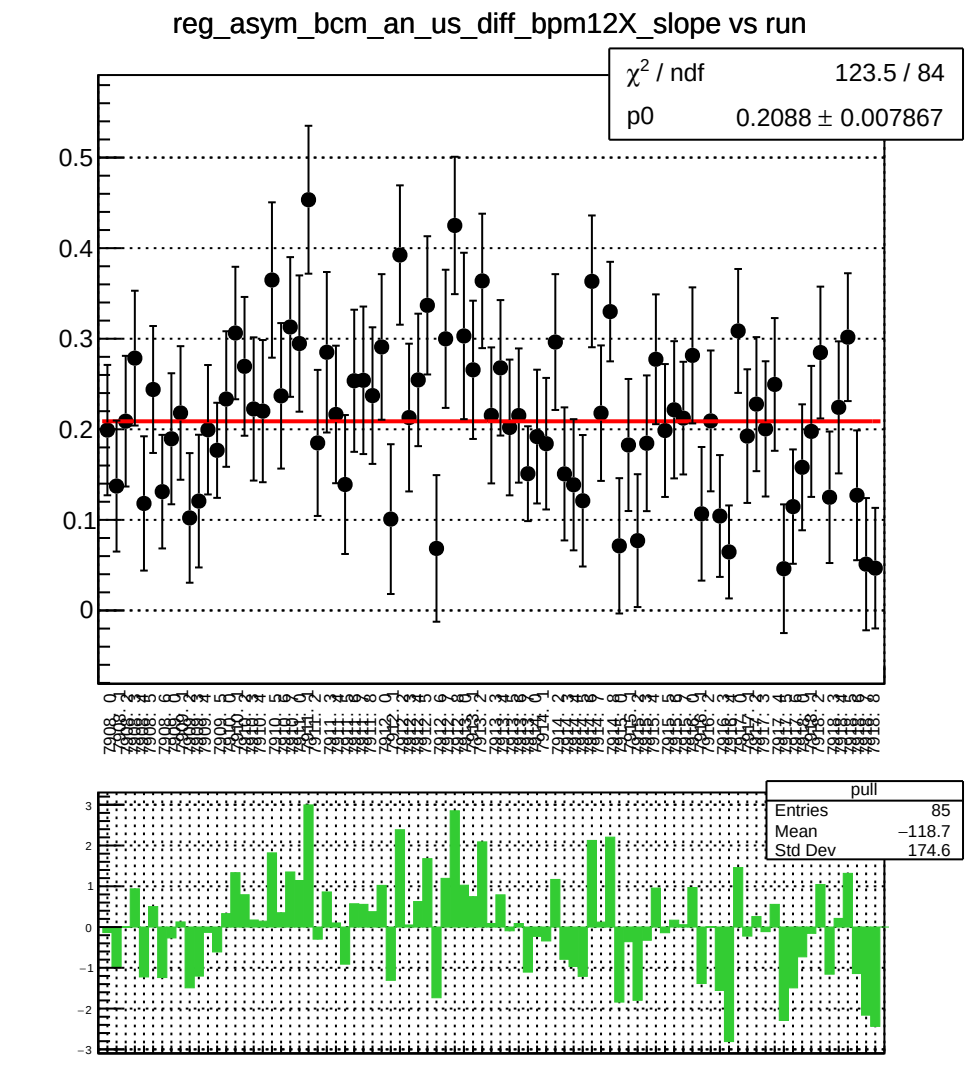

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 150.9 / 84
p0 8.103 ± 0.2232
pull
Entries 85
Mean 112.5
Std Dev 81.15

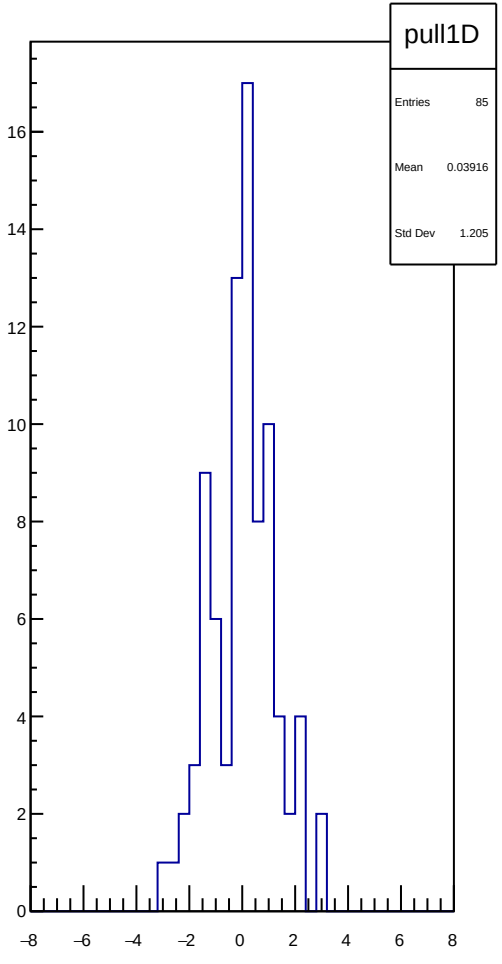

pull1D
Entries 85
Mean 0.05397
Std Dev 1.331

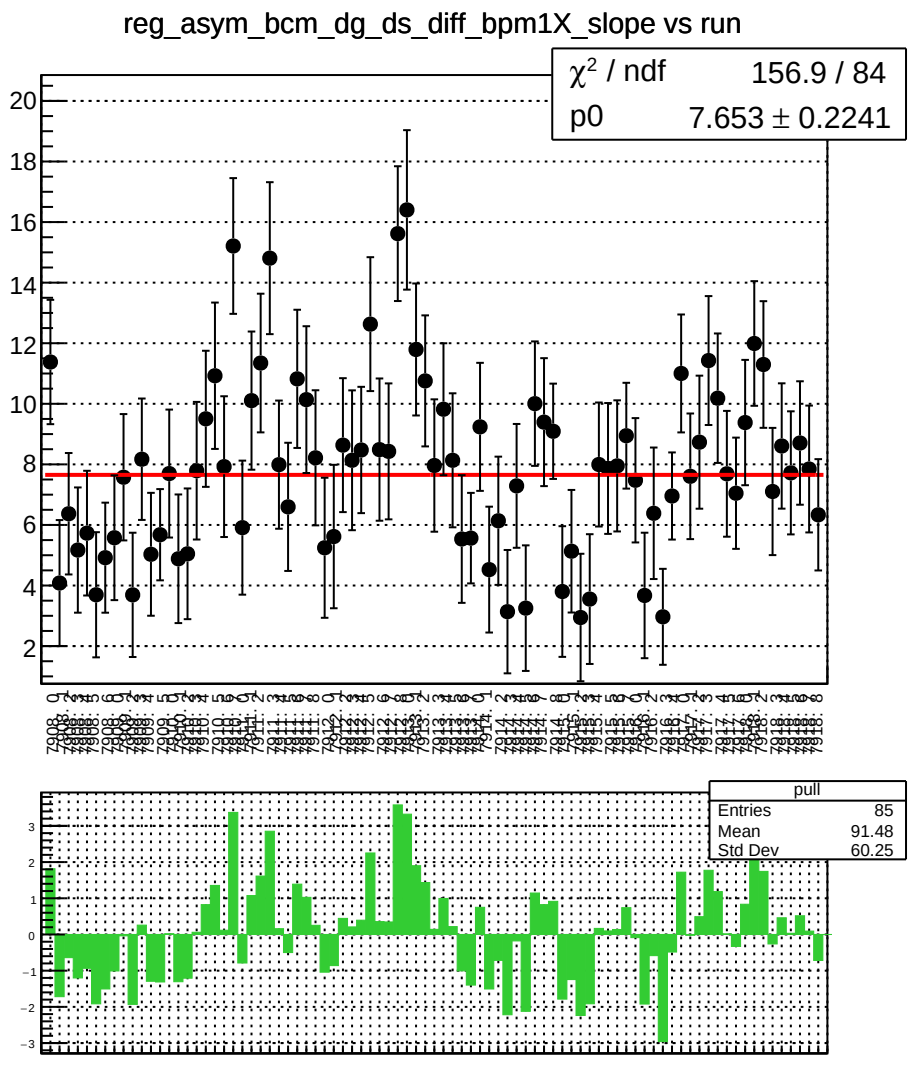

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 75.74 / 84
p0 −1.411 ± 0.2252
pull
Entries 85
Mean −783
Std Dev 824.4
pull1D
Entries 85
Mean 0.002897
Std Dev 0.944

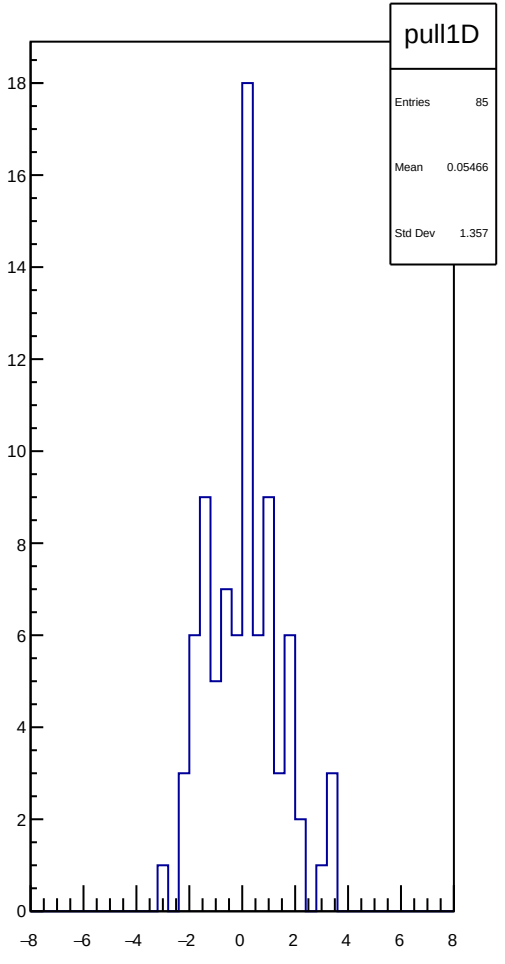

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 155.9 / 84
p0 −6.945 ± 0.1893
pull
Entries 85
Mean 156.2
Std Dev 117.6
pull1D
Entries 85
Mean −0.05733
Std Dev 1.353

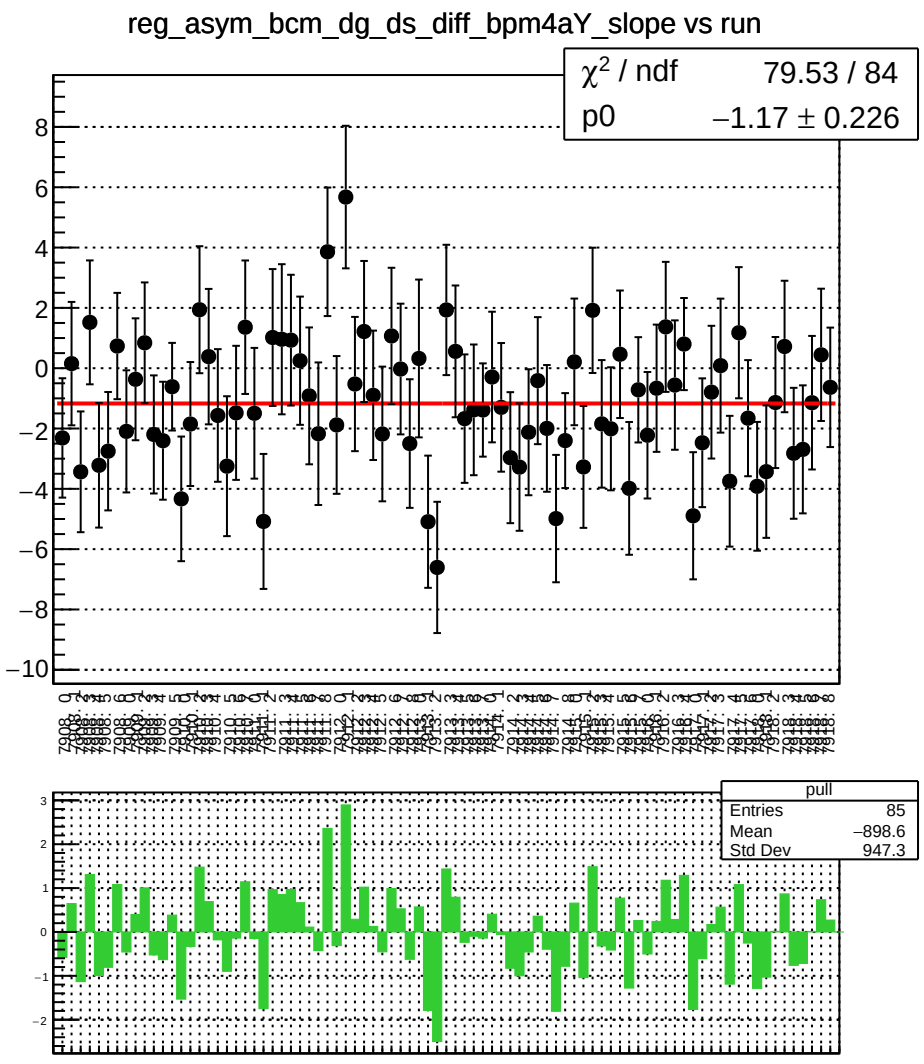

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 73.43 / 84
p0 0.69 ± 0.262
pull
Entries 85
Mean 756.4
Std Dev 754.4
pull1D
Entries 85
Mean 0.0007174
Std Dev 0.9294

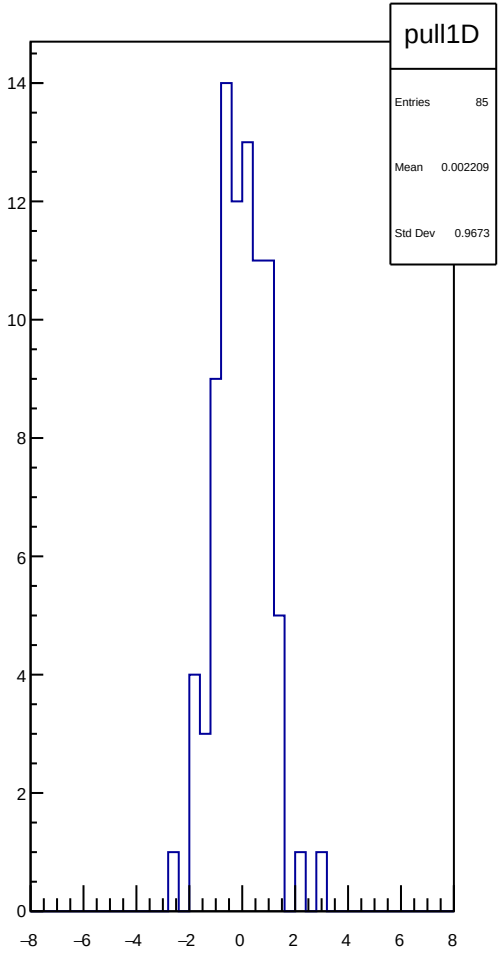

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 123.5 / 84
p0 0.2088 ± 0.007867
pull
Entries 85
Mean −118.7
Std Dev 174.6

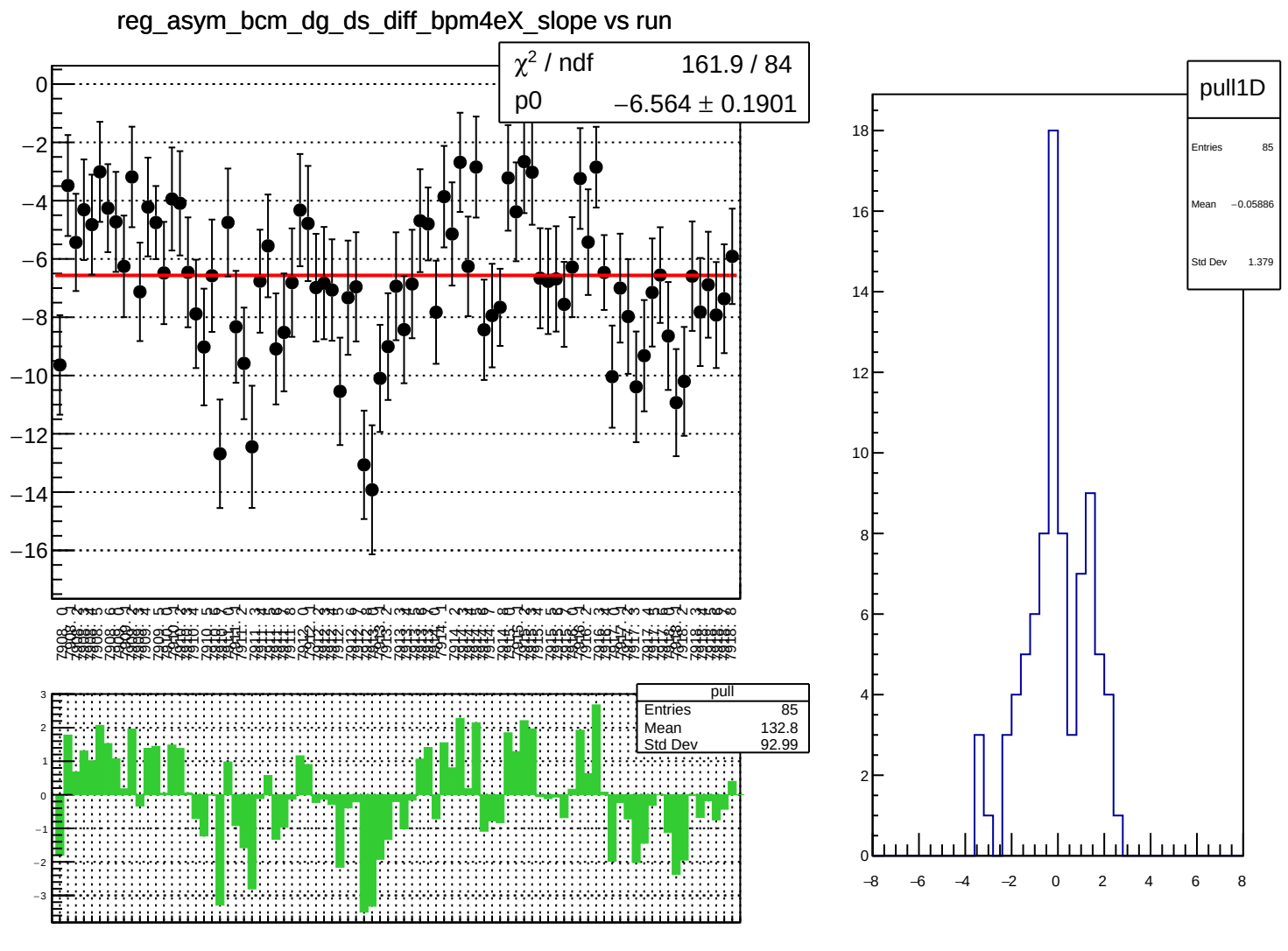

pull1D
Entries 85
Mean 0.03916
Std Dev 1.205

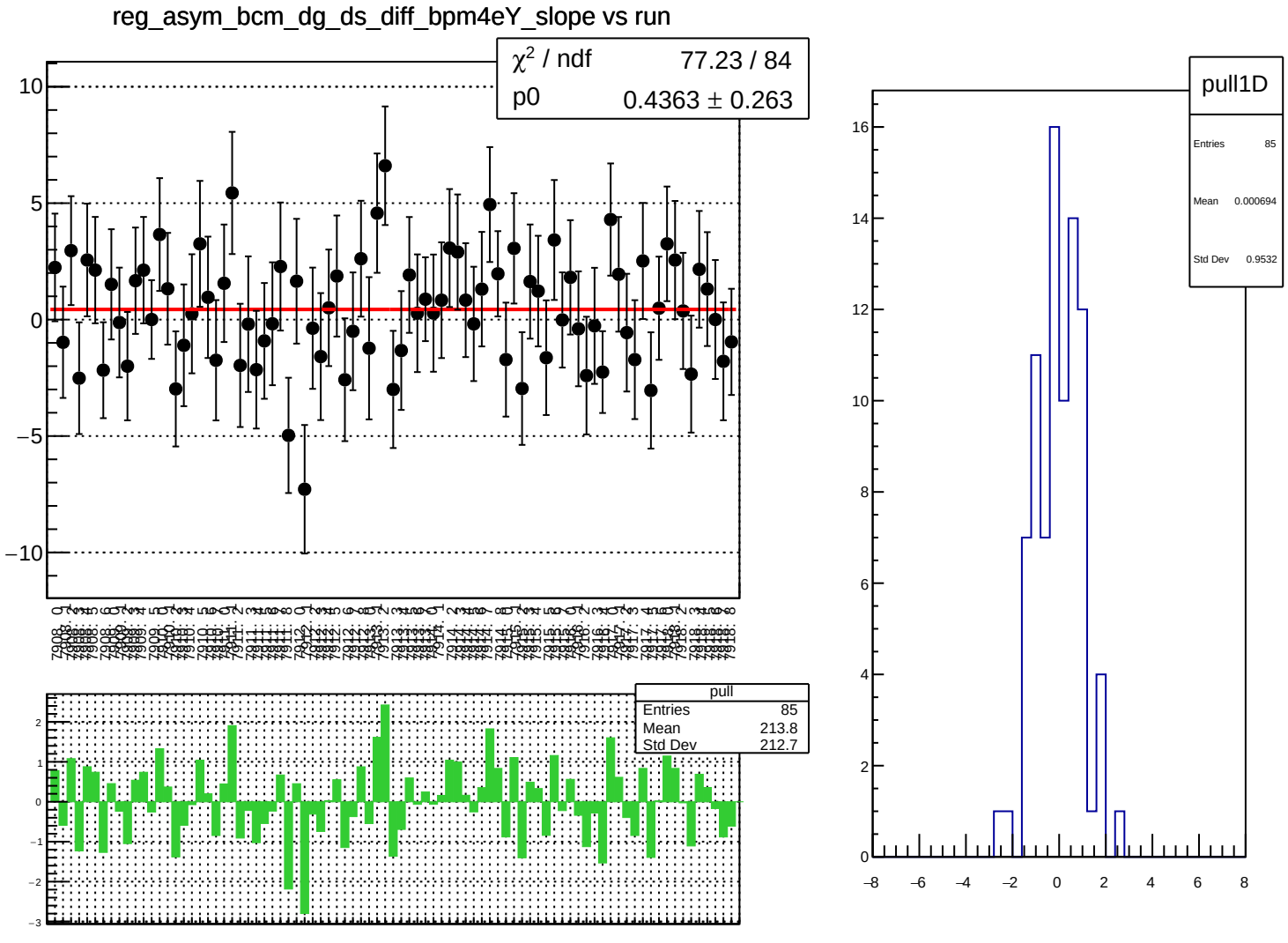

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 156.9 / 84
p0 7.653 ± 0.2241
pull
Entries 85
Mean 91.48
Std Dev 60.25

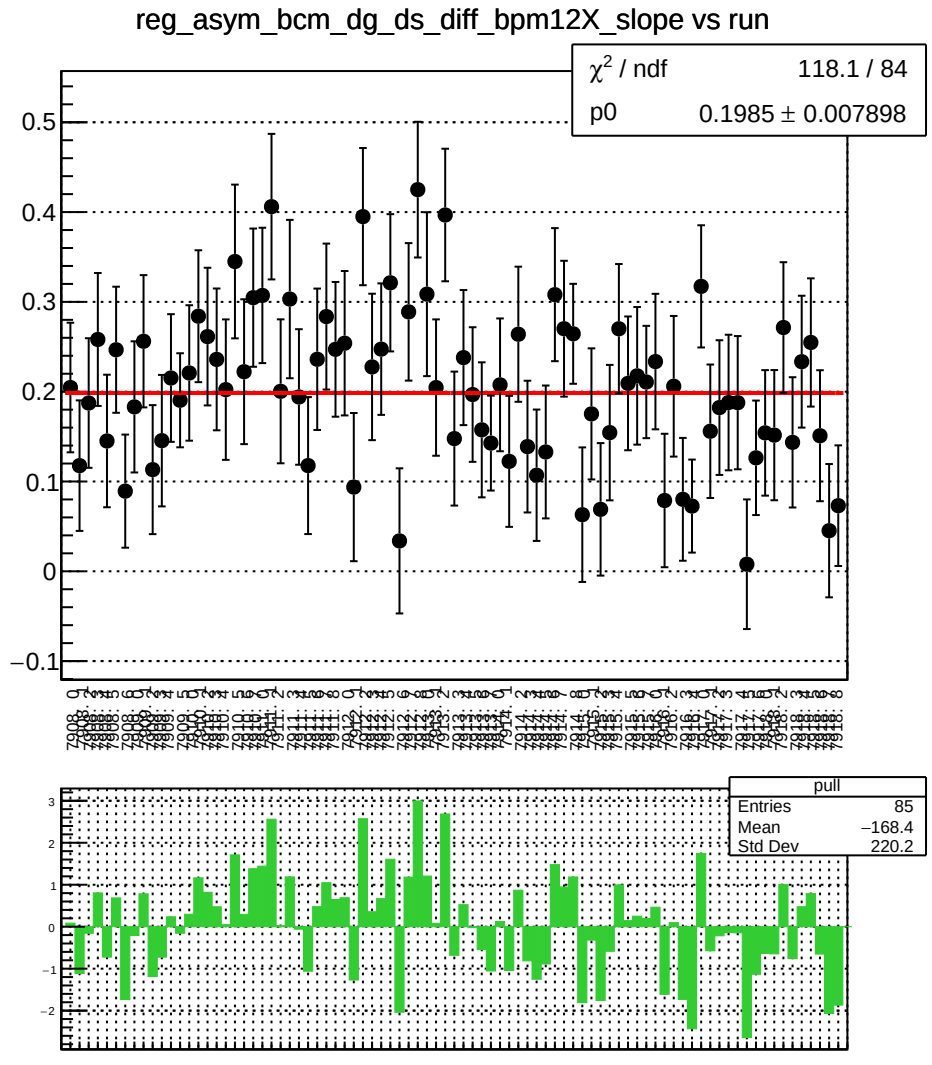

pull1D
Entries 85
Mean 0.05466
Std Dev 1.357

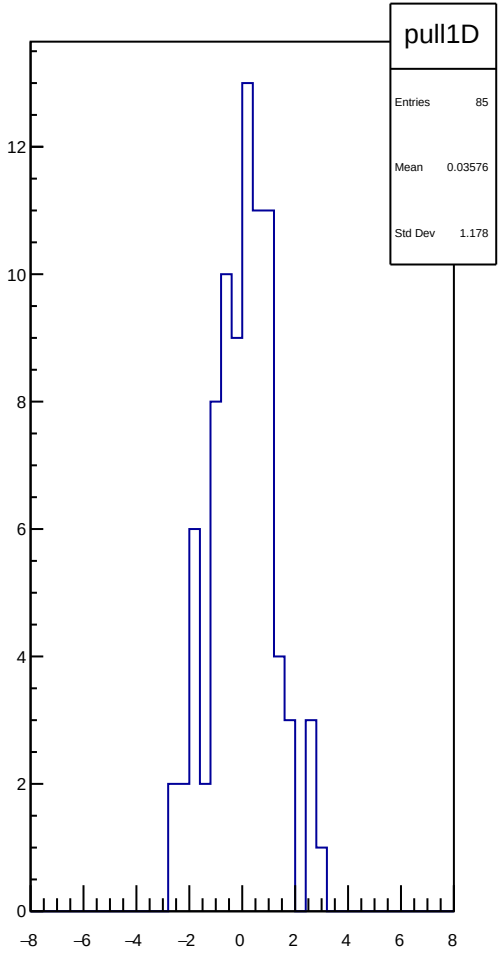

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 79.53 / 84
p0 −1.17 ± 0.226
pull
Entries 85
Mean −898.6
Std Dev 947.3

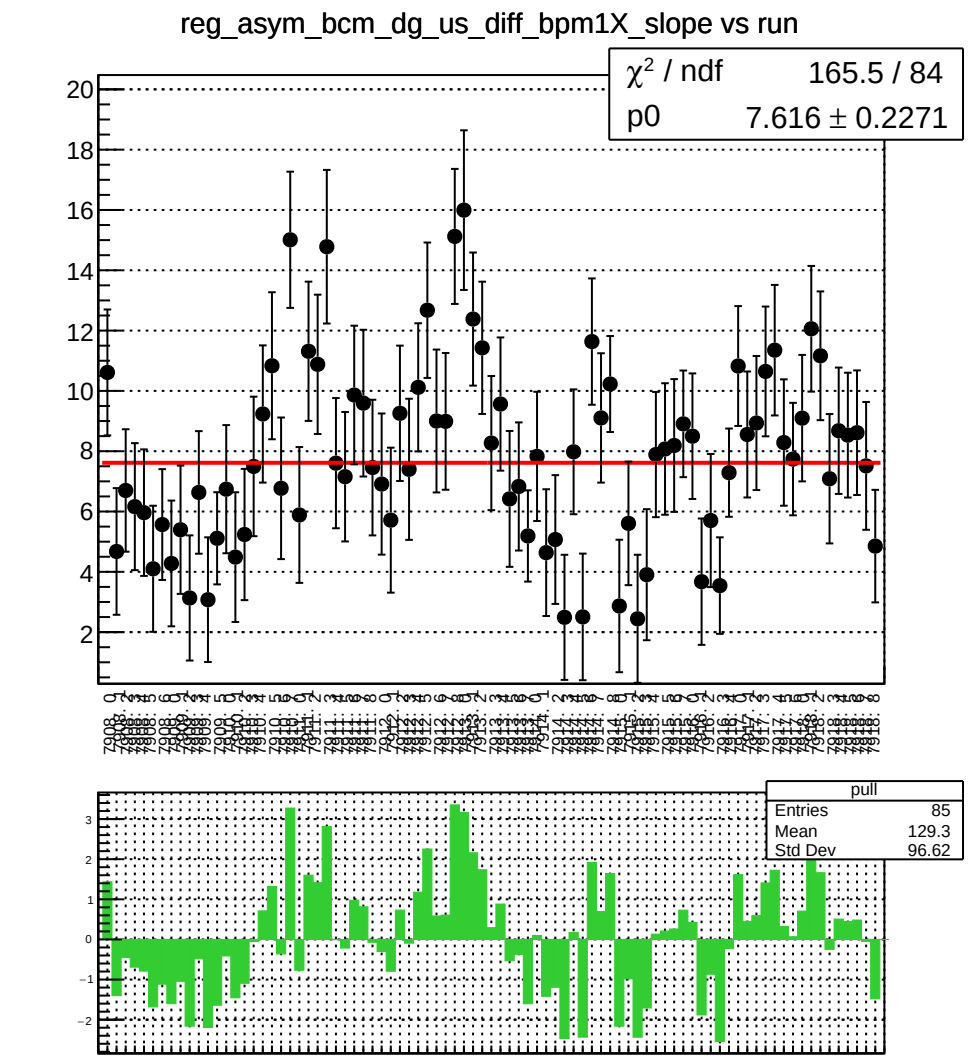

pull1D
Entries 85
Mean 0.002209
Std Dev 0.9673

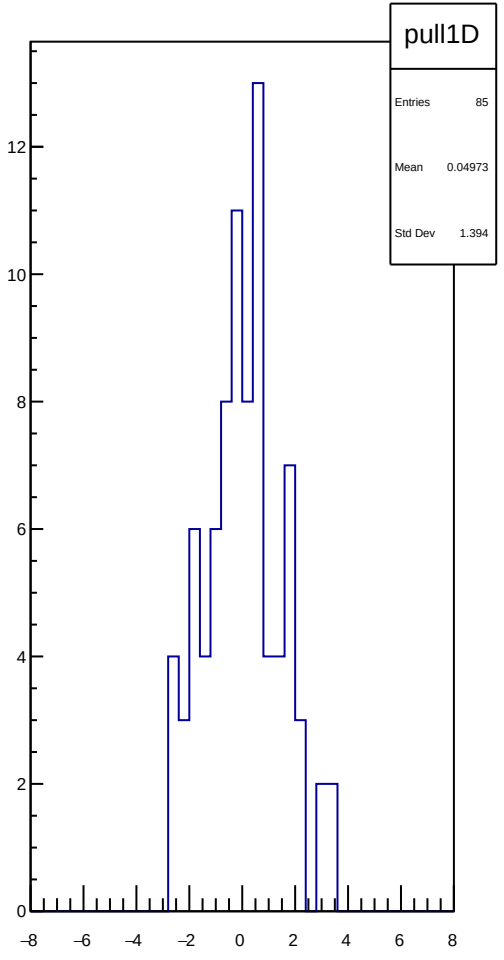

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 161.9 / 84
p0 −6.564 ± 0.1901
pull
Entries 85
Mean 132.8
Std Dev 92.99
pull1D
Entries 85
Mean −0.05886
Std Dev 1.379

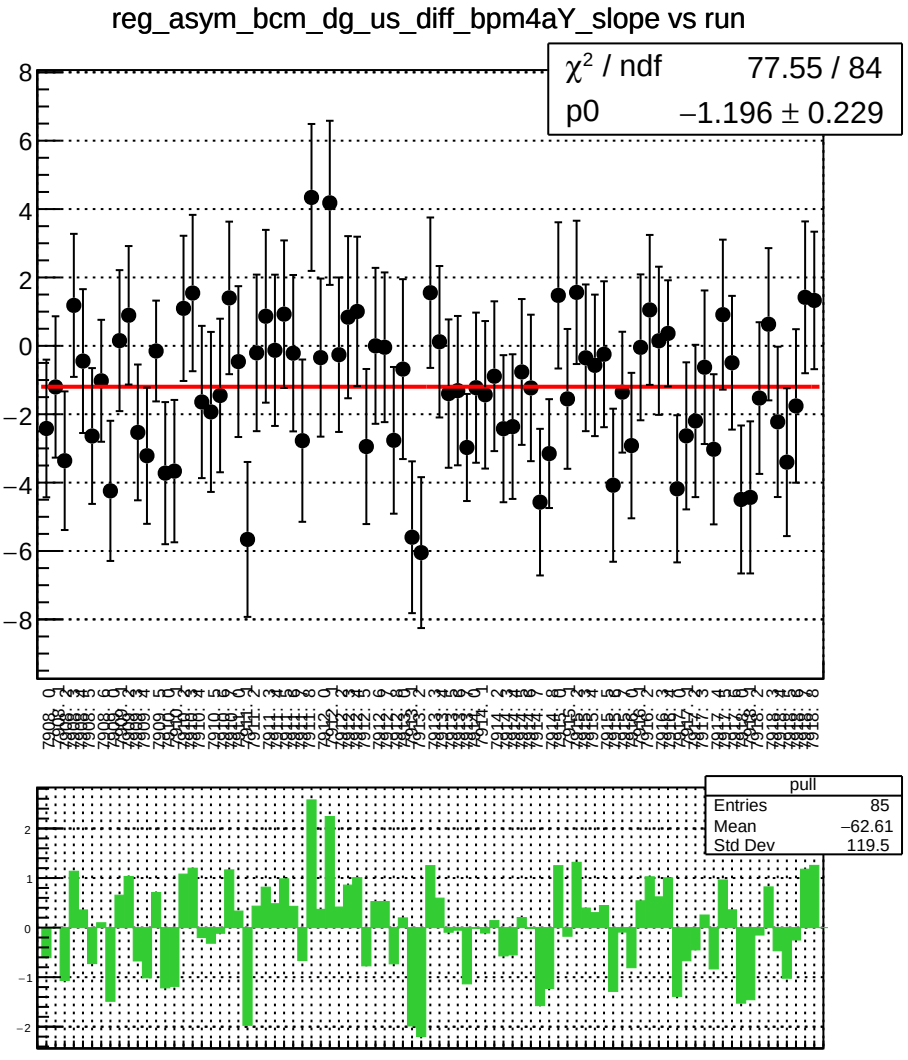

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.23 / 84
p0 0.4363 ± 0.263
pull
Entries 85
Mean 213.8
Std Dev 212.7
pull1D
Entries 85
Mean 0.000694
Std Dev 0.9532

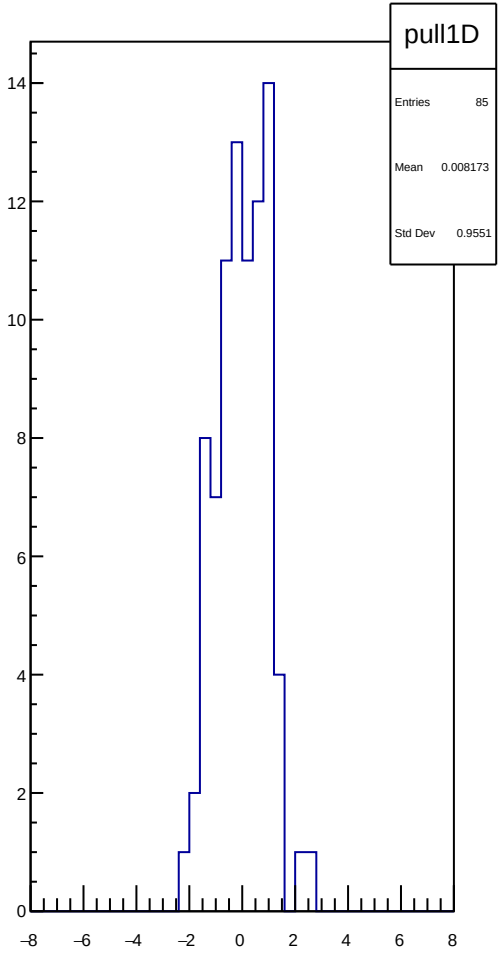

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 118.1 / 84
p0 0.1985 ± 0.007898
pull
Entries 85
Mean −168.4
Std Dev 220.2

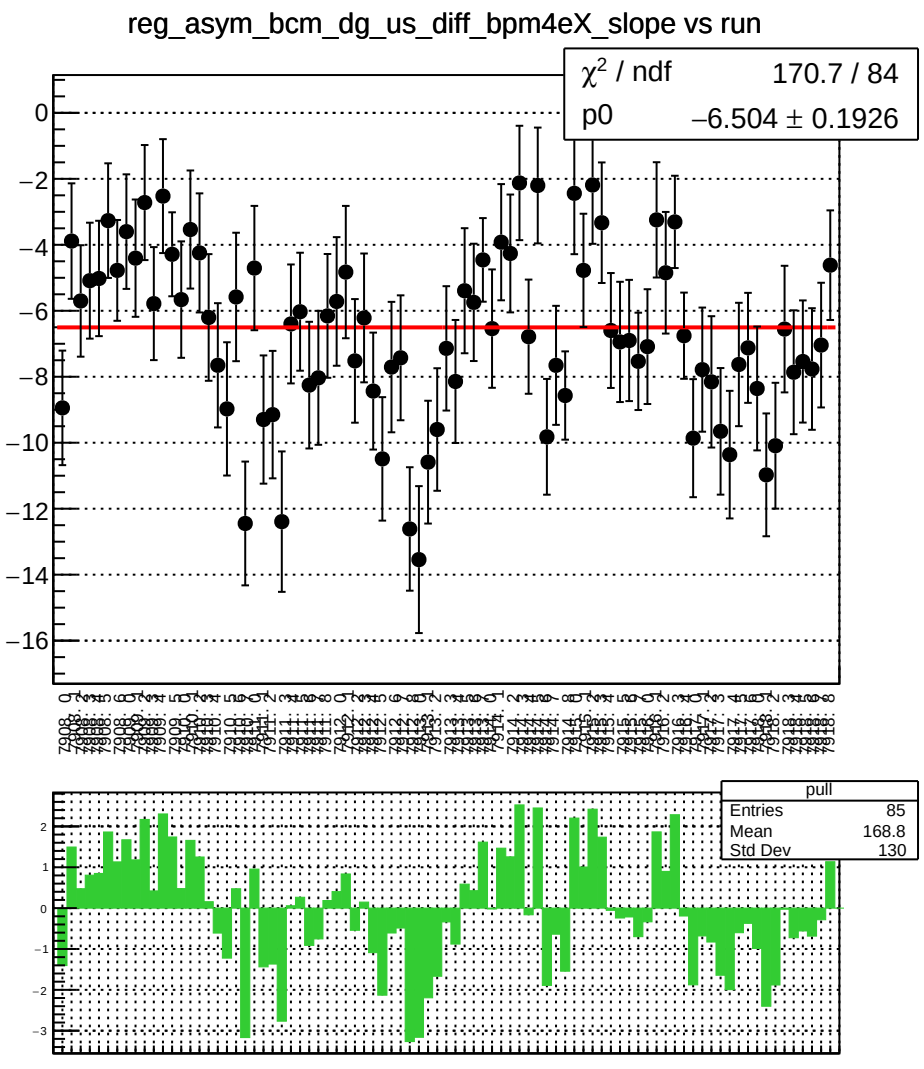

pull1D
Entries 85
Mean 0.03576
Std Dev 1.178

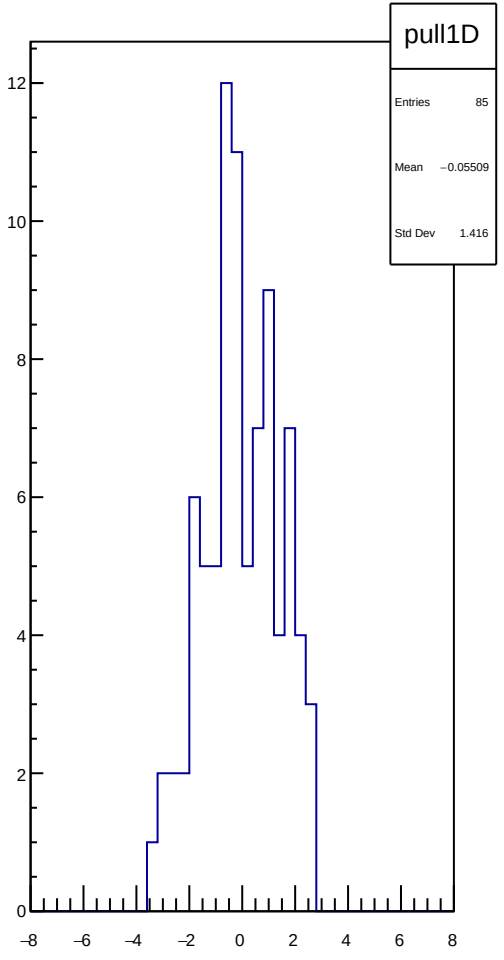

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 165.5 / 84
p0 7.616 ± 0.2271
pull
Entries 85
Mean 129.3
Std Dev 96.62

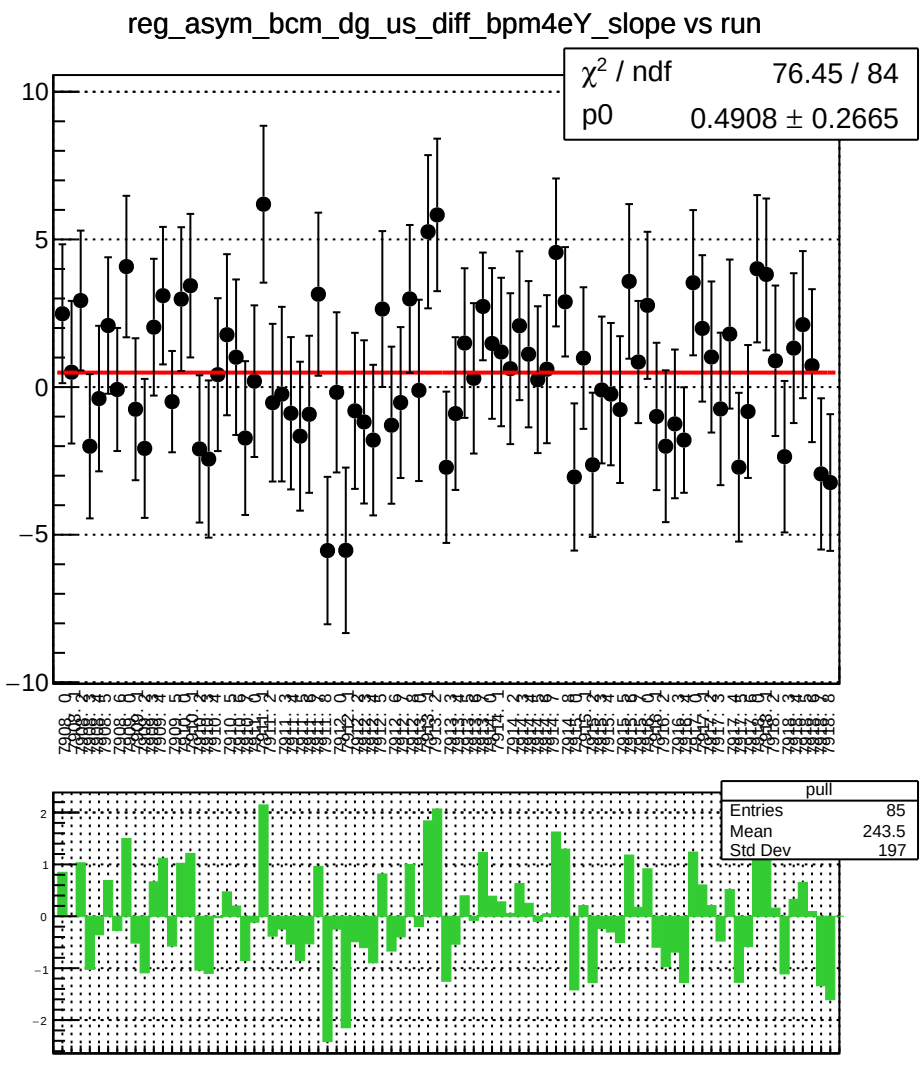

pull1D
Entries 85
Mean 0.04973
Std Dev 1.394

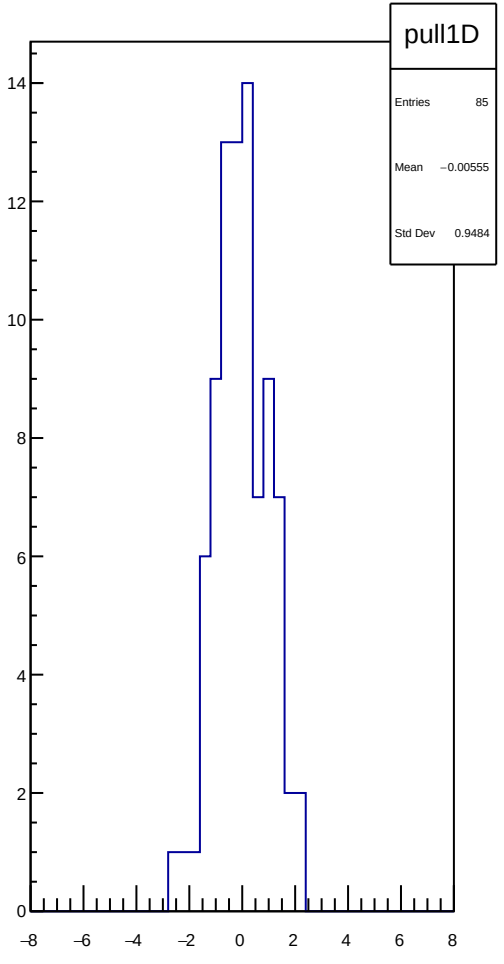

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 77.55 / 84
p0 −1.196 ± 0.229
pull
Entries 85
Mean −62.61
Std Dev 119.5

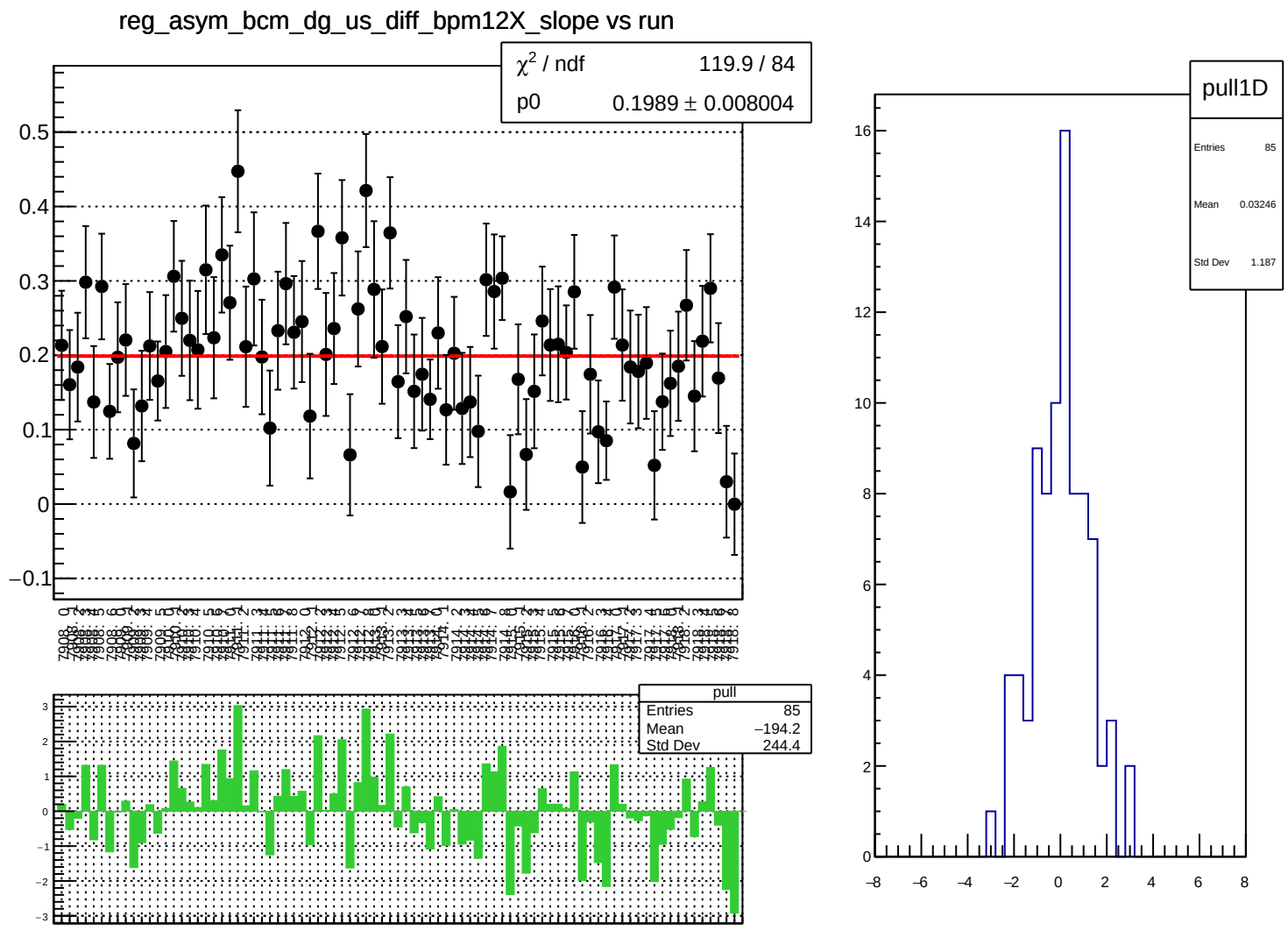

pull1D
Entries 85
Mean 0.008173
Std Dev 0.9551

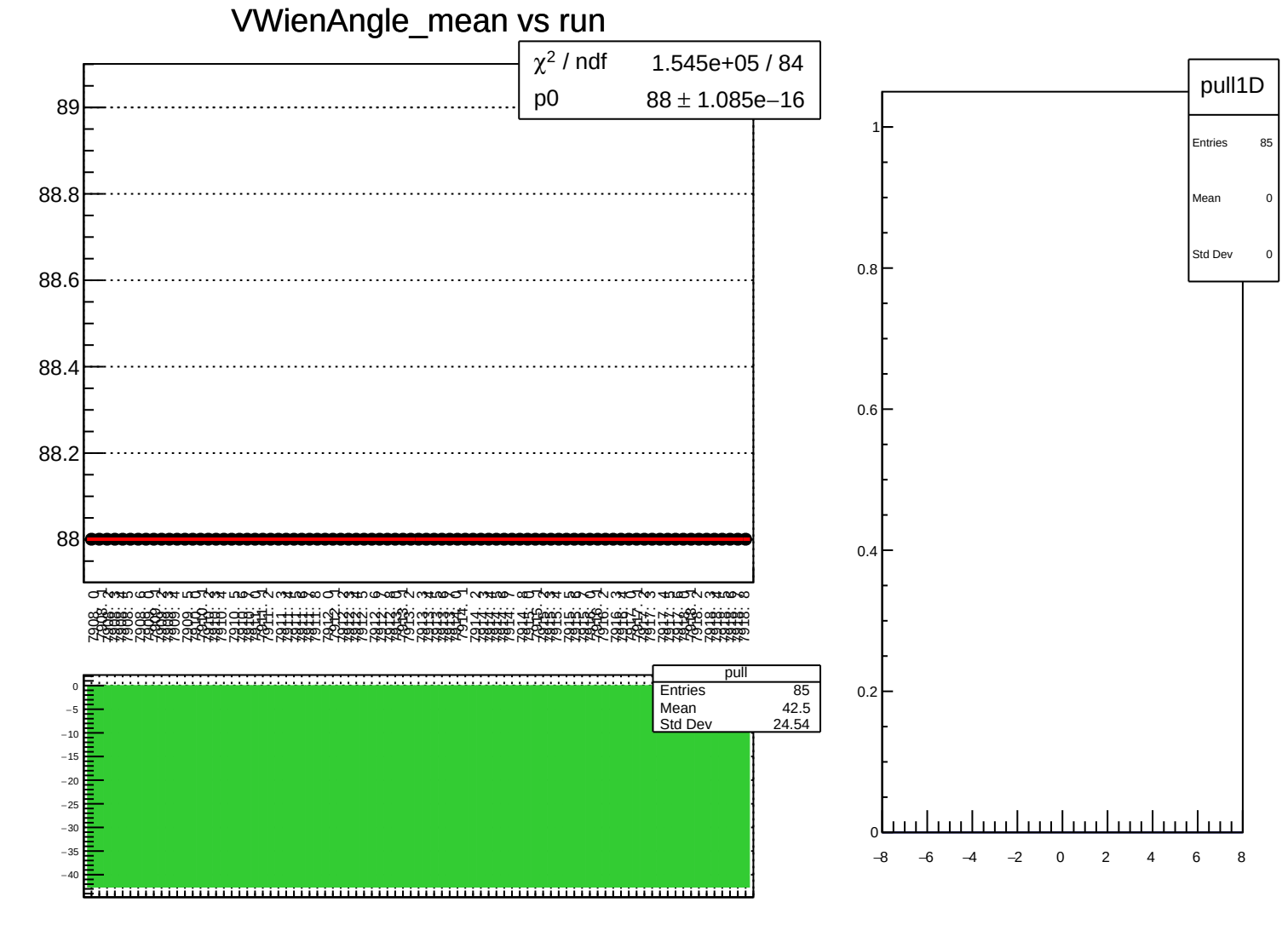

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 170.7 / 84
p0 −6.504 ± 0.1926
pull
Entries 85
Mean 168.8
Std Dev 130

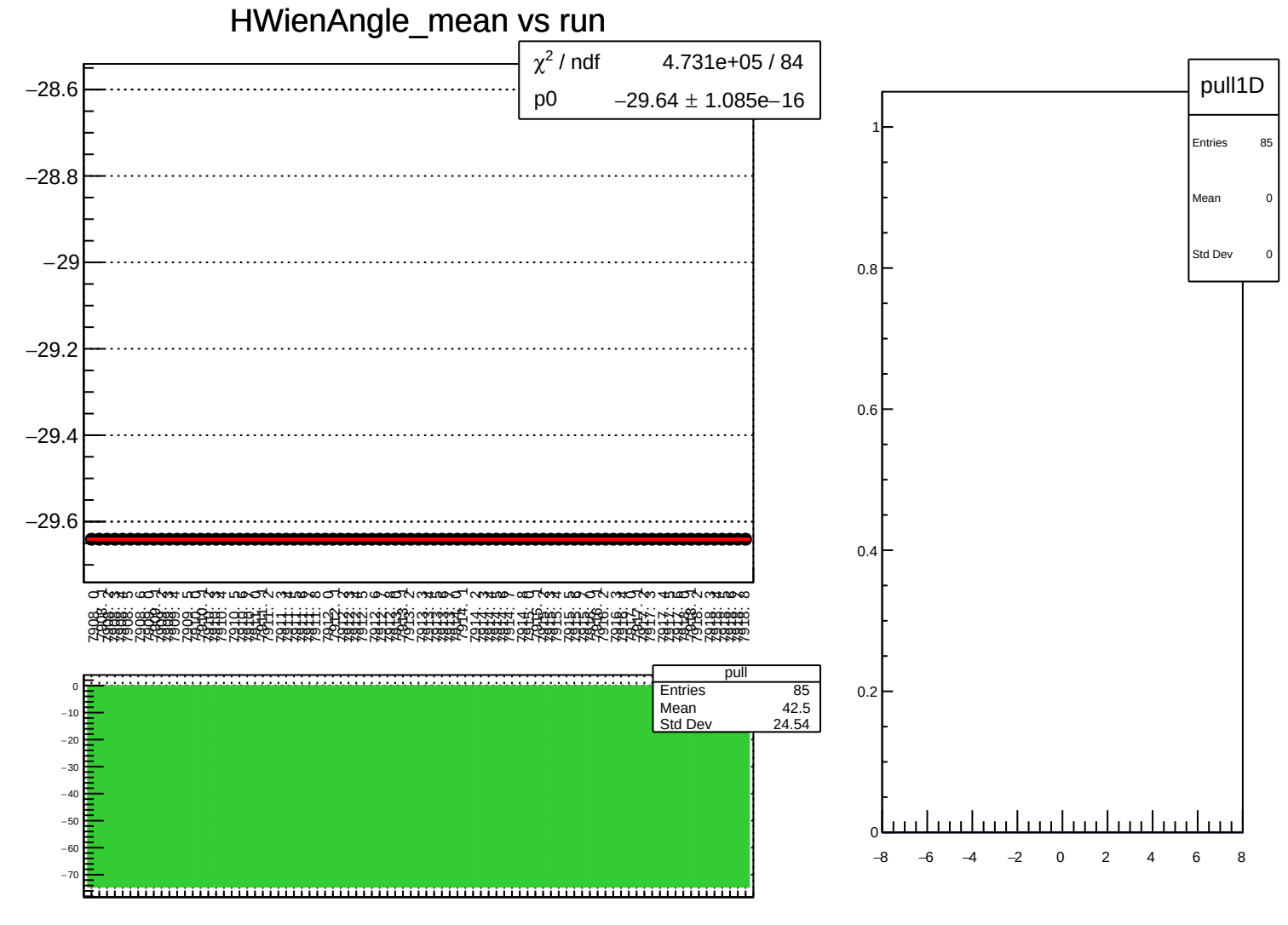

pull1D
Entries 85
Mean −0.05509
Std Dev 1.416

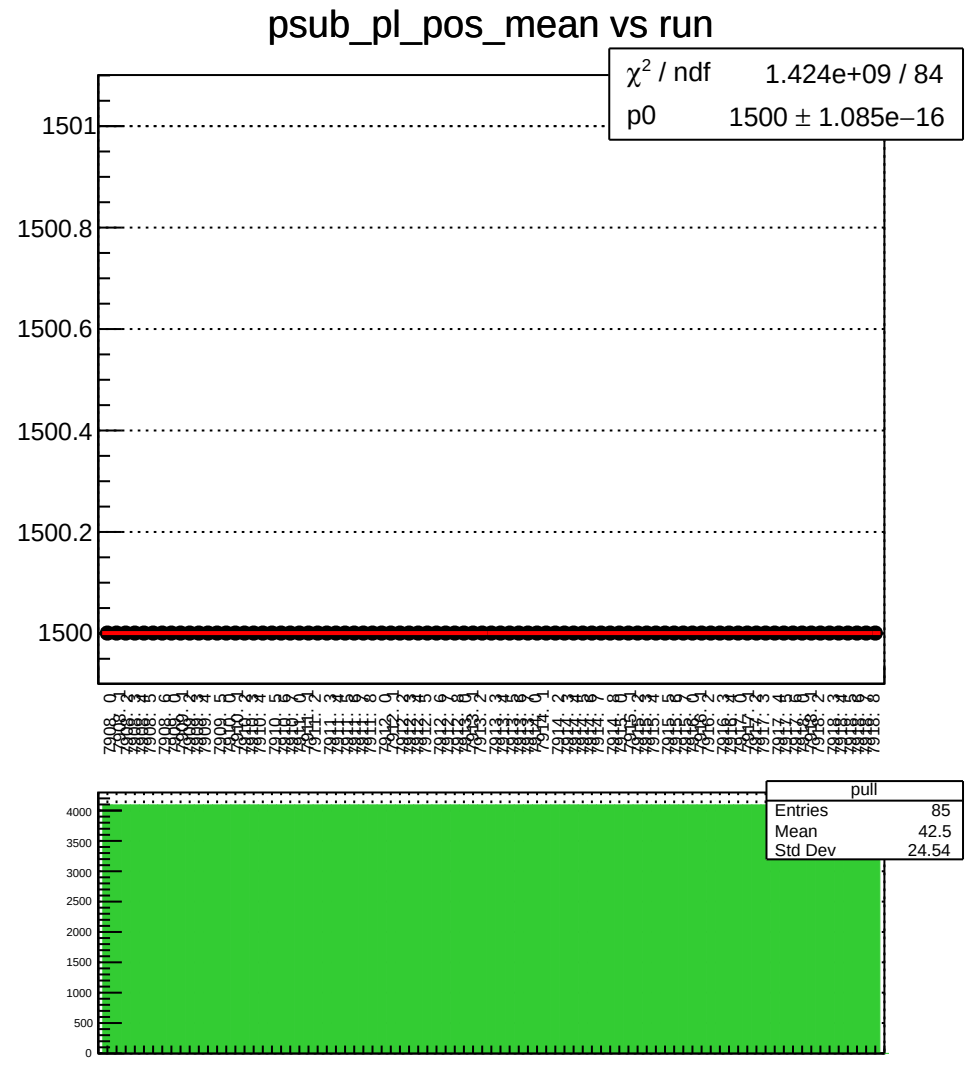

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 76.45 / 84
p0 0.4908 ± 0.2665
pull
Entries 85
Mean 243.5
Std Dev 197

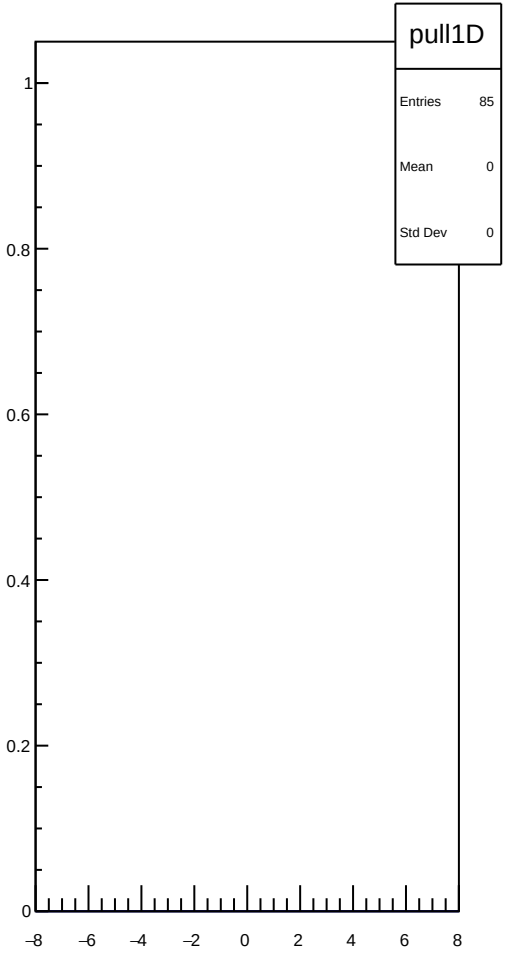

pull1D
Entries 85
Mean −0.00555
Std Dev 0.9484

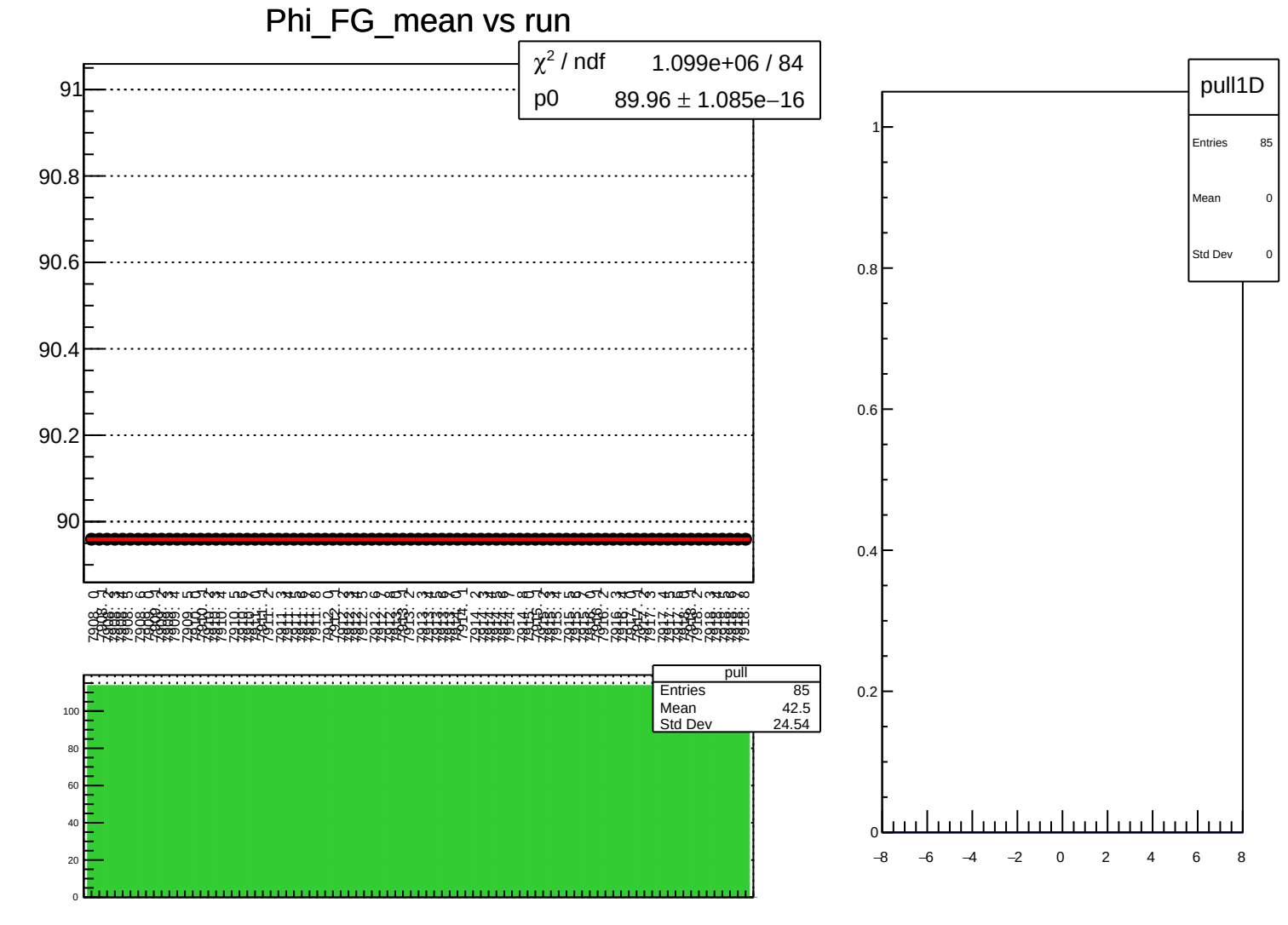

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 119.9 / 84
p0 0.1989 ± 0.008004
pull
Entries 85
Mean −194.2
Std Dev 244.4
pull1D
Entries 85
Mean 0.03246
Std Dev 1.187

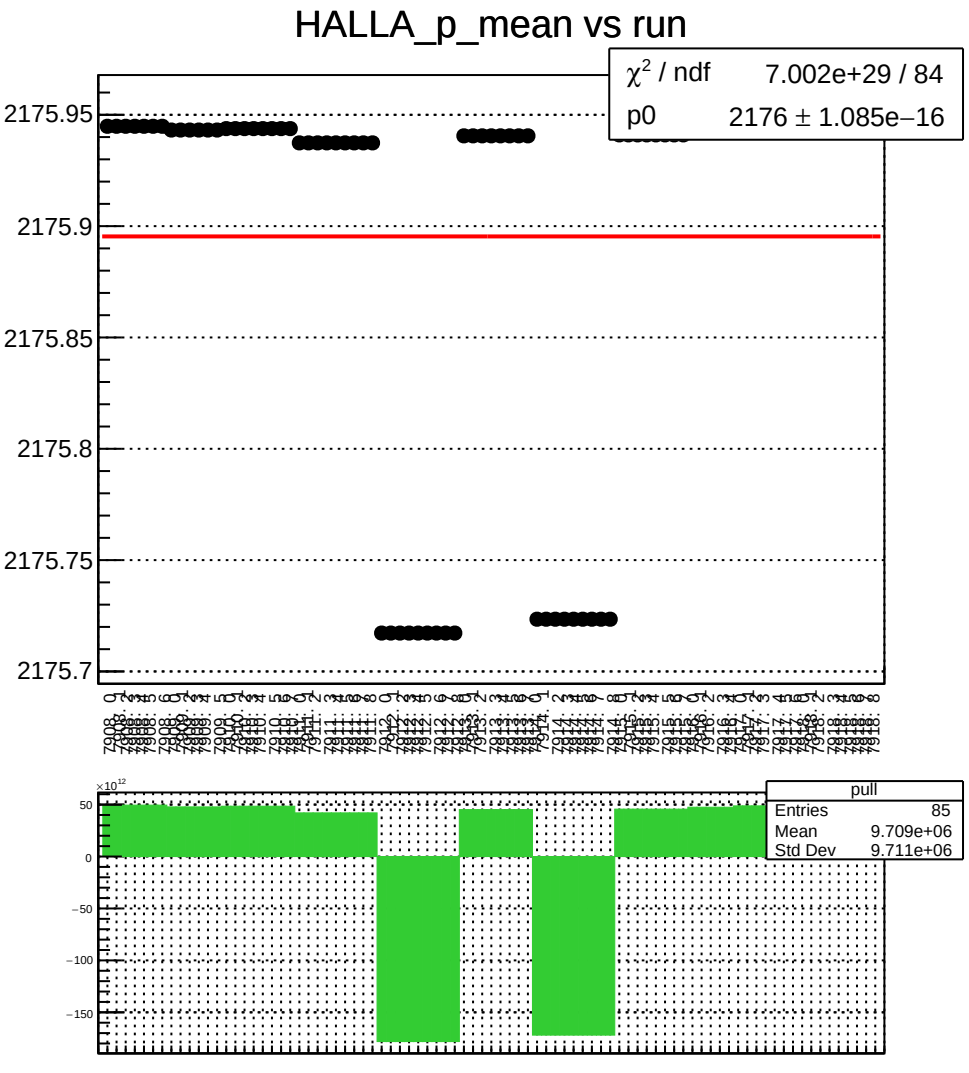

VWienAngle_mean vs run
χ² / ndf 1.545e+05 / 84
p0 88 ± 1.085e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 85
Mean 42.5
Std Dev 24.54
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

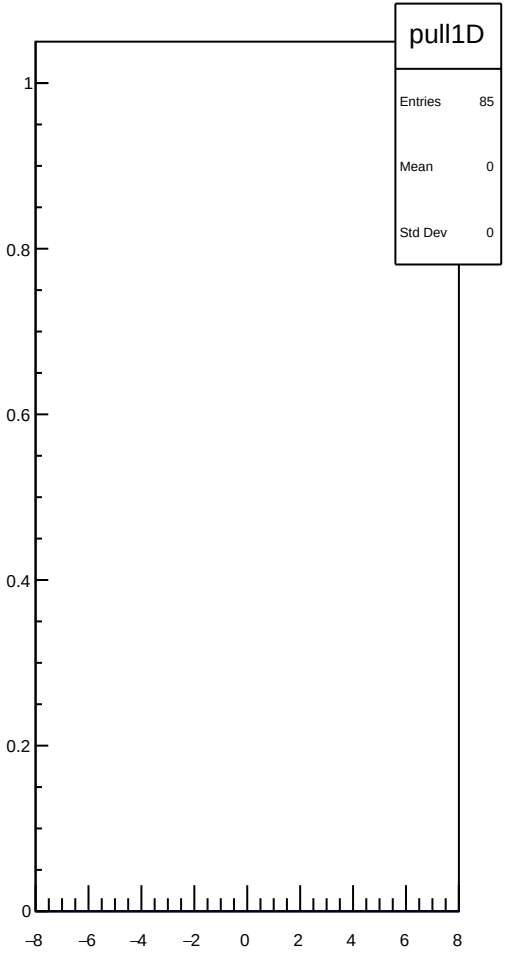

HWienAngle_mean vs run
χ² / ndf 4.731e+05 / 84
p0 −29.64 ± 1.085e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

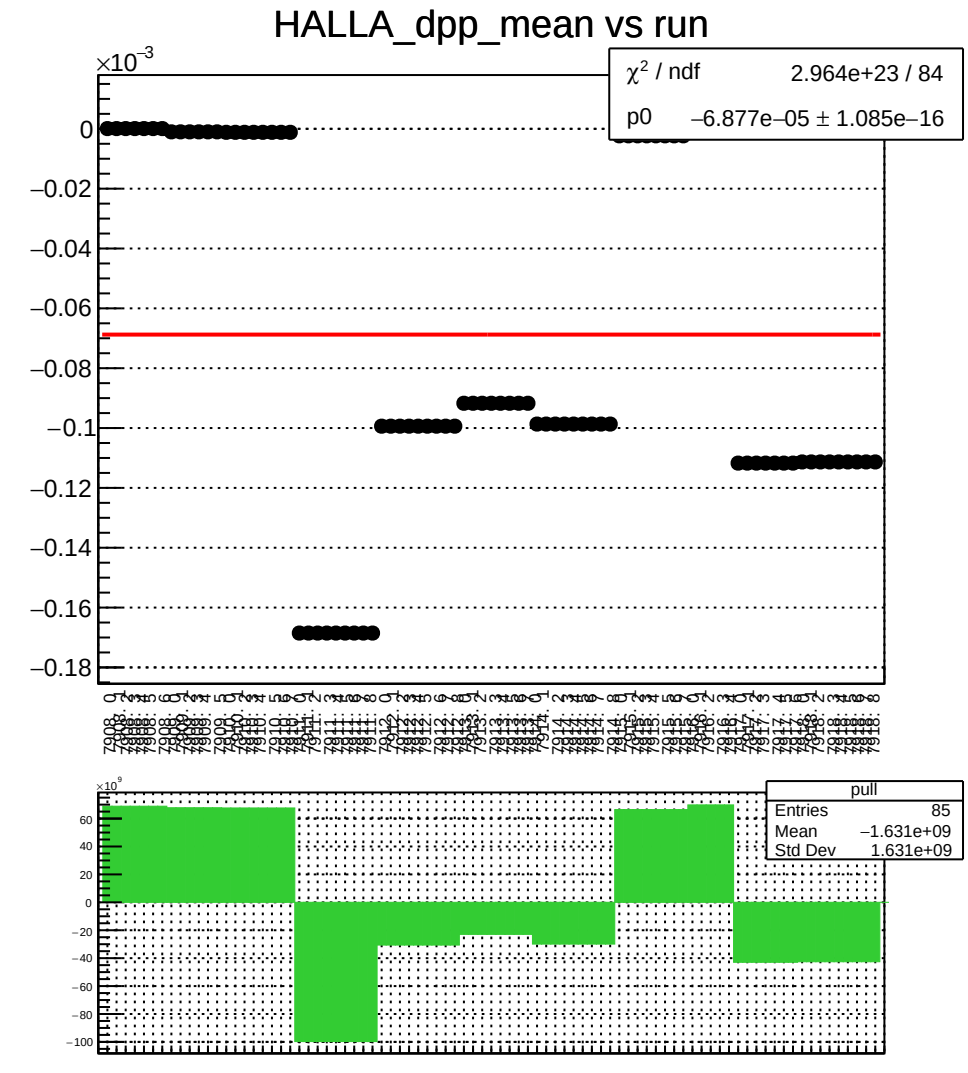

psub_pl_pos_mean vs run
χ² / ndf 1.424e+09 / 84
p0 1500 ± 1.085e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 85
Mean 42.5
Std Dev 24.54
4000
3500
3000
2500
2000
1500
1000
500
0

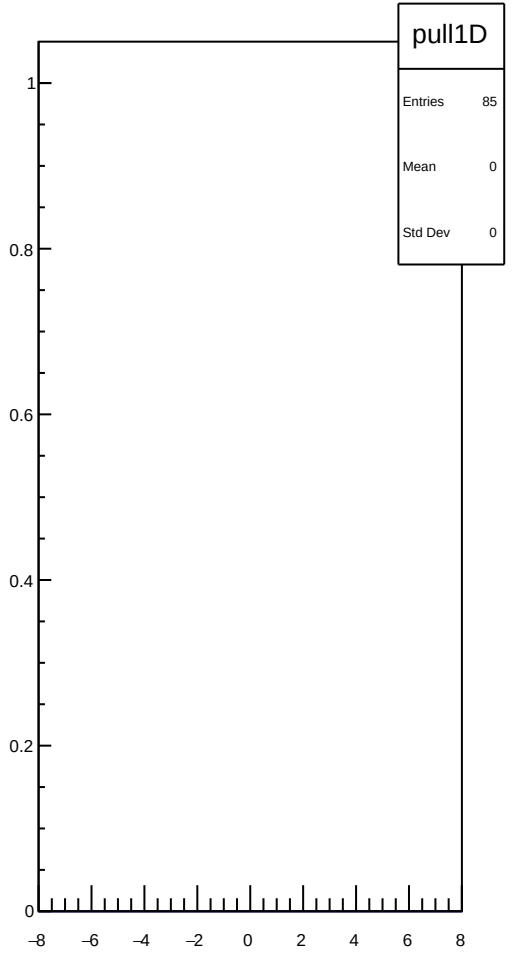

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

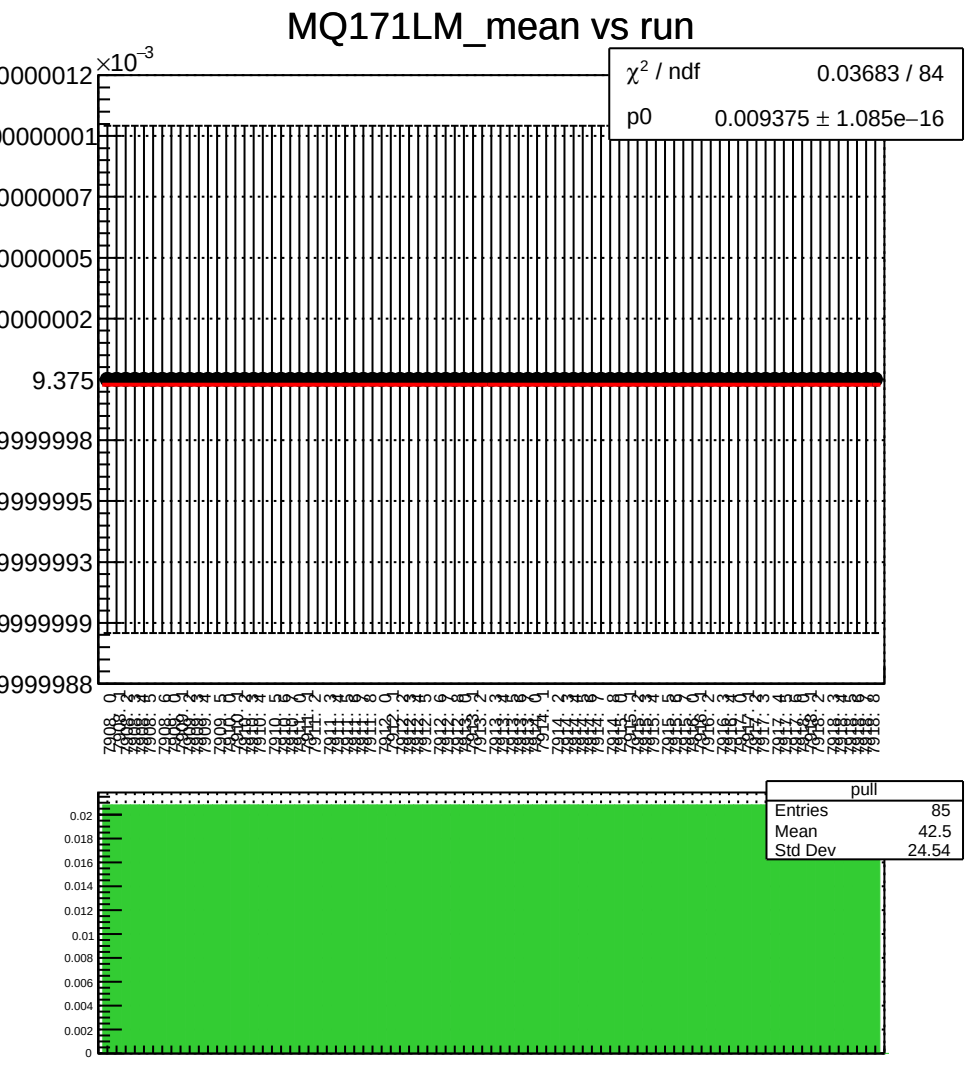

Phi_FG_mean vs run
χ² / ndf 1.099e+06 / 84
p0 89.96 ± 1.085e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 85
Mean 42.5
Std Dev 24.54
100
80
60
40
20
0
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

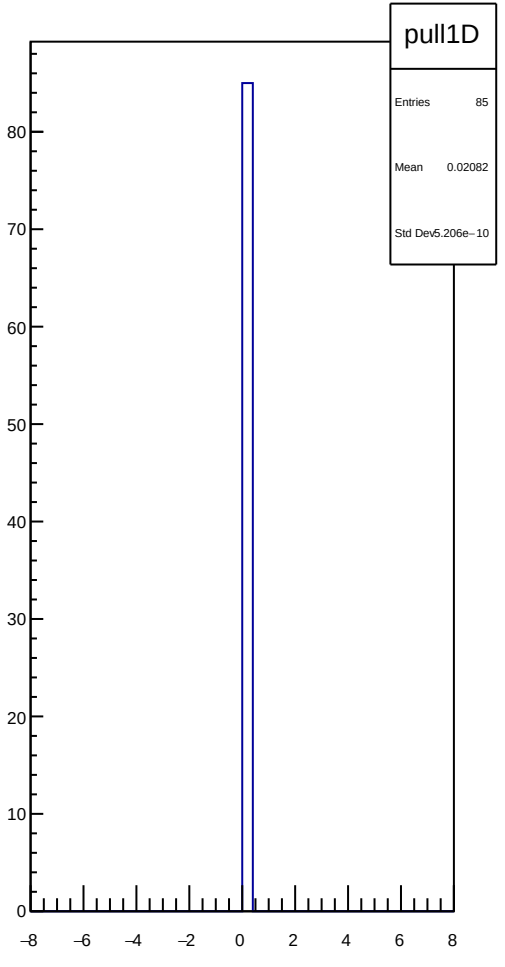

HALLA_p_mean vs run
χ² / ndf 7.002e+29 / 84
p0 2176 ± 1.085e−16
2175.95
2175.9
2175.85
2175.8
2175.75
2175.7
pull
Entries 85
Mean 9.709e+06
Std Dev 9.711e+06
×10¹²
50
0
−50
−100
−150

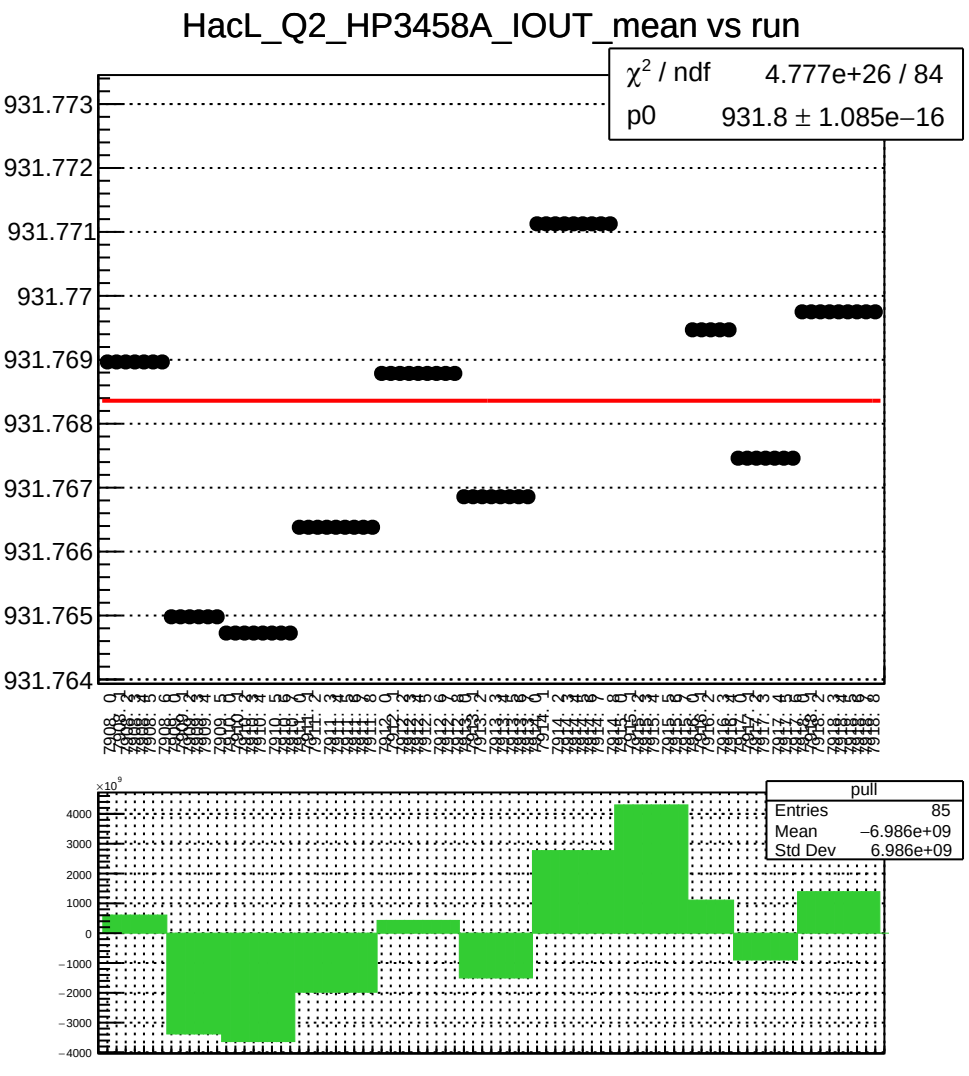

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

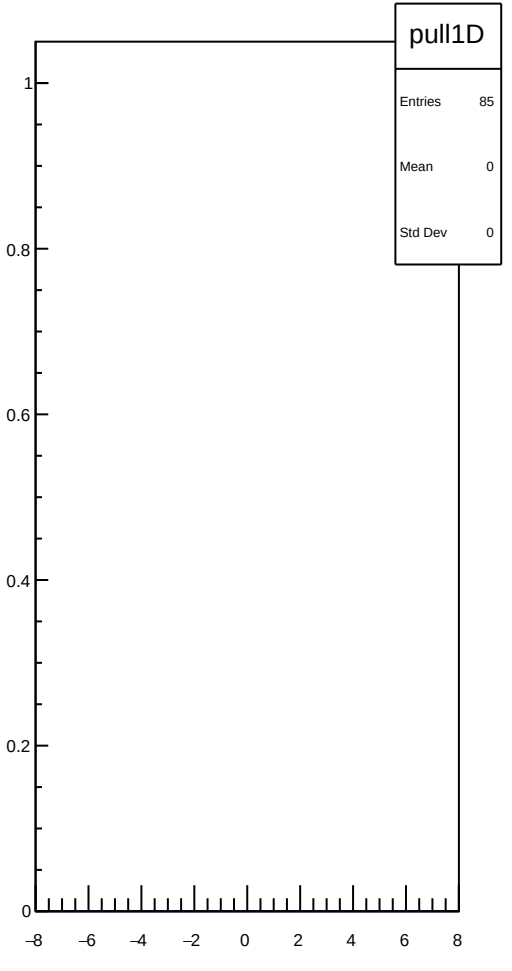

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 2.964e+23 / 84
p0 −6.877e−05 ± 1.085e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
×10⁹
pull
Entries 85
Mean −1.631e+09
Std Dev 1.631e+09
60
40
20
0
−20
−40
−60
−80
−100

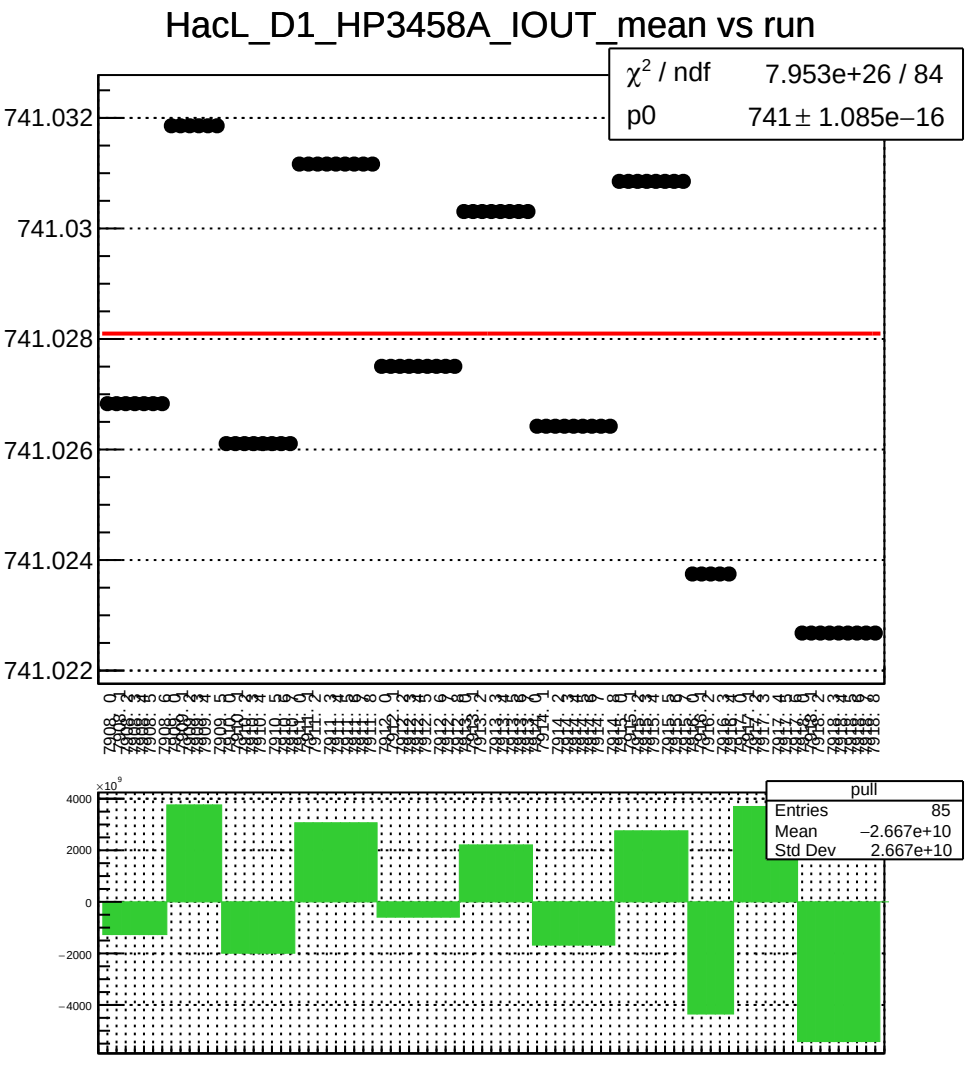

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

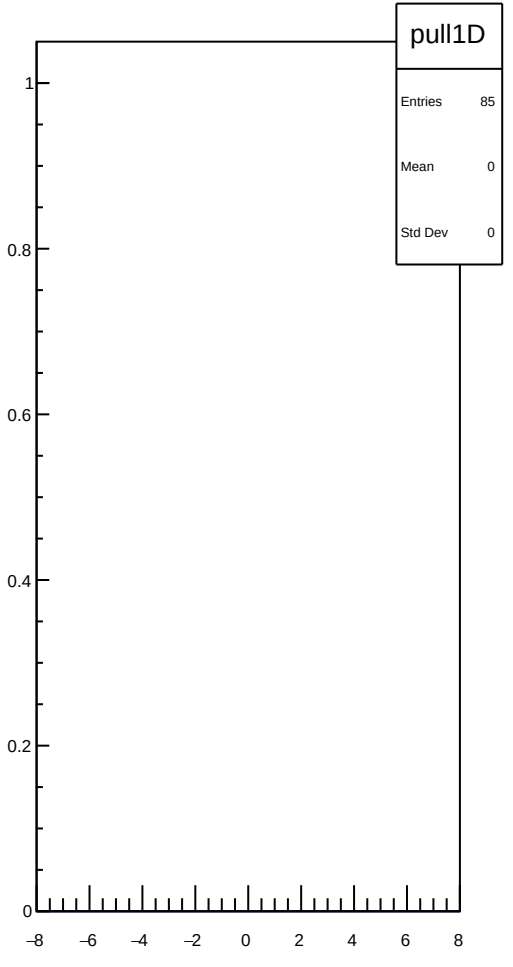

MQ171LM_mean vs run
χ² / ndf 0.03683 / 84
p0 0.009375 ± 1.085e−16
×10⁻³
pull
Entries 85
Mean 42.5
Std Dev 24.54

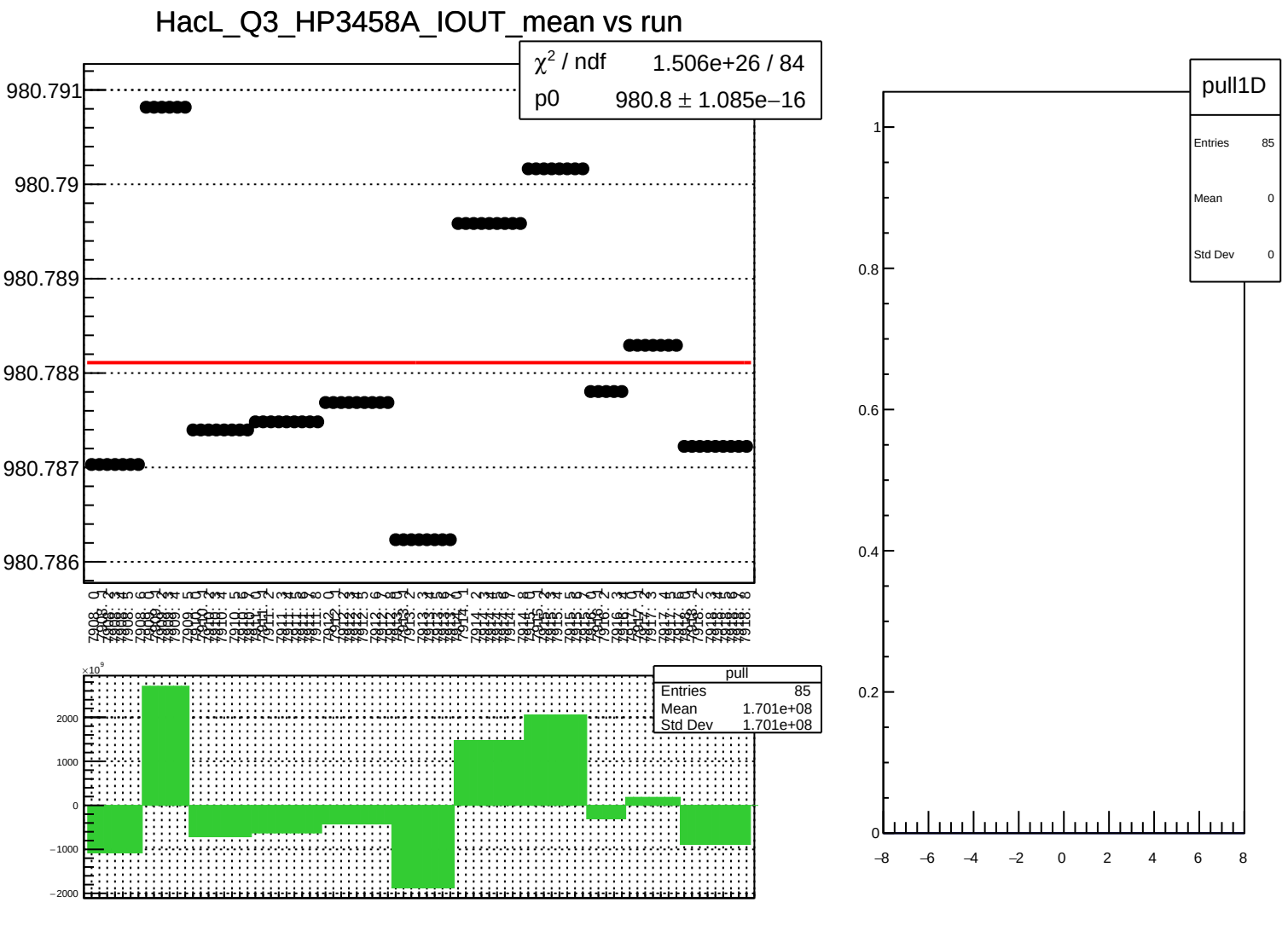

pull1D
Entries 85
Mean 0.02082
Std Dev 5.206e−10

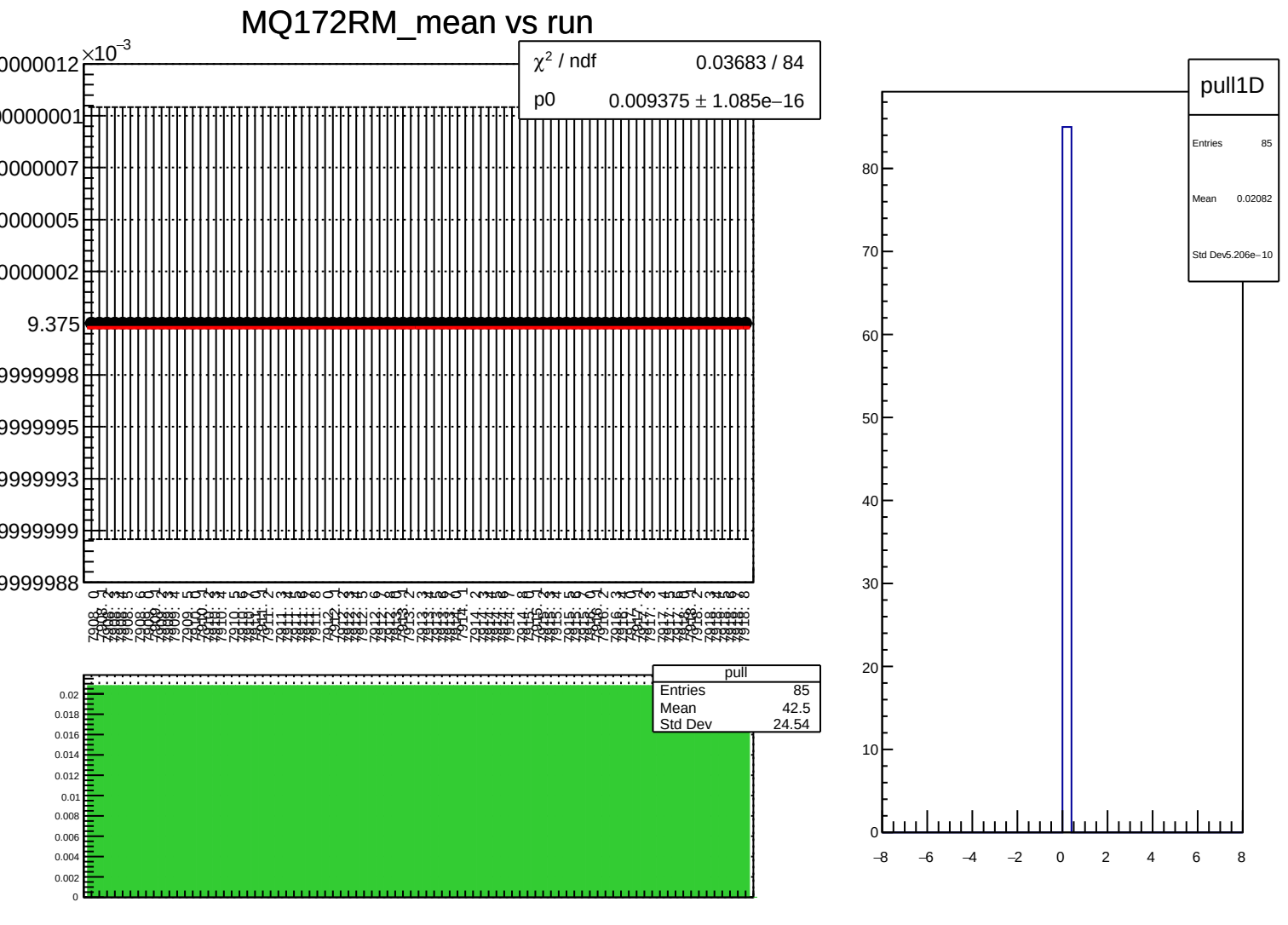

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 4.777e+26 / 84
p0 931.8 ± 1.085e−16
931.773
931.772
931.771
931.77
931.769
931.768
931.767
931.766
931.765
931.764
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 85
Mean −6.986e+09
Std Dev 6.986e+09

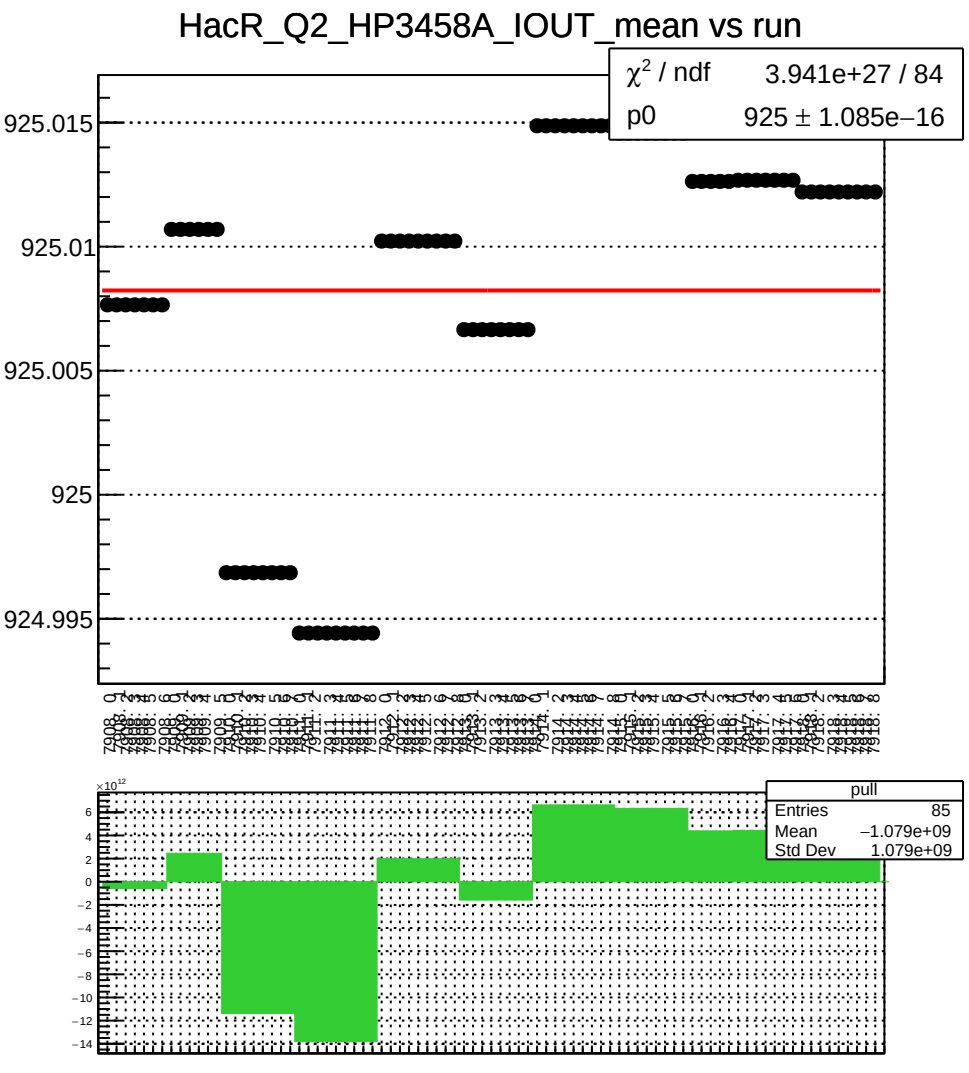

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

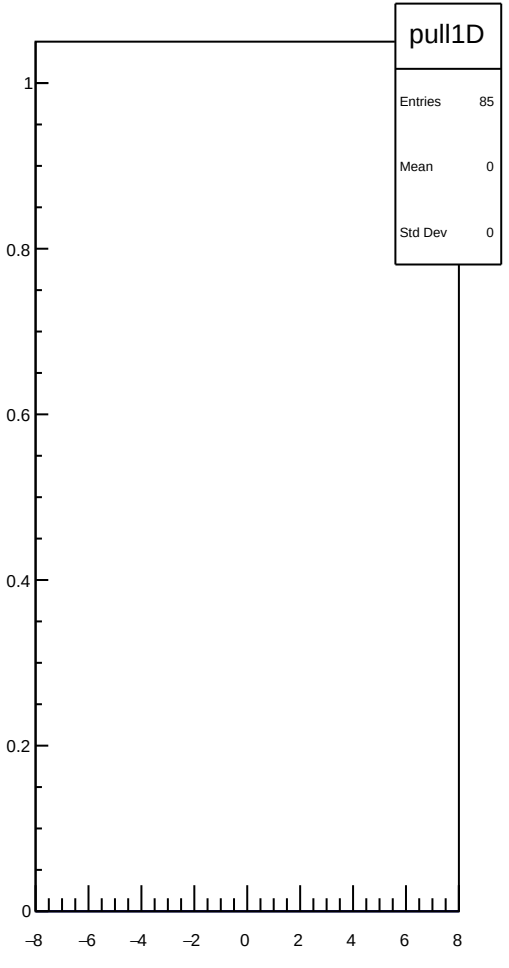

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.953e+26 / 84
p0 741 ± 1.085e−16
741.032
741.03
741.028
741.026
741.024
741.022
×10⁹
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −2.667e+10
Std Dev 2.667e+10

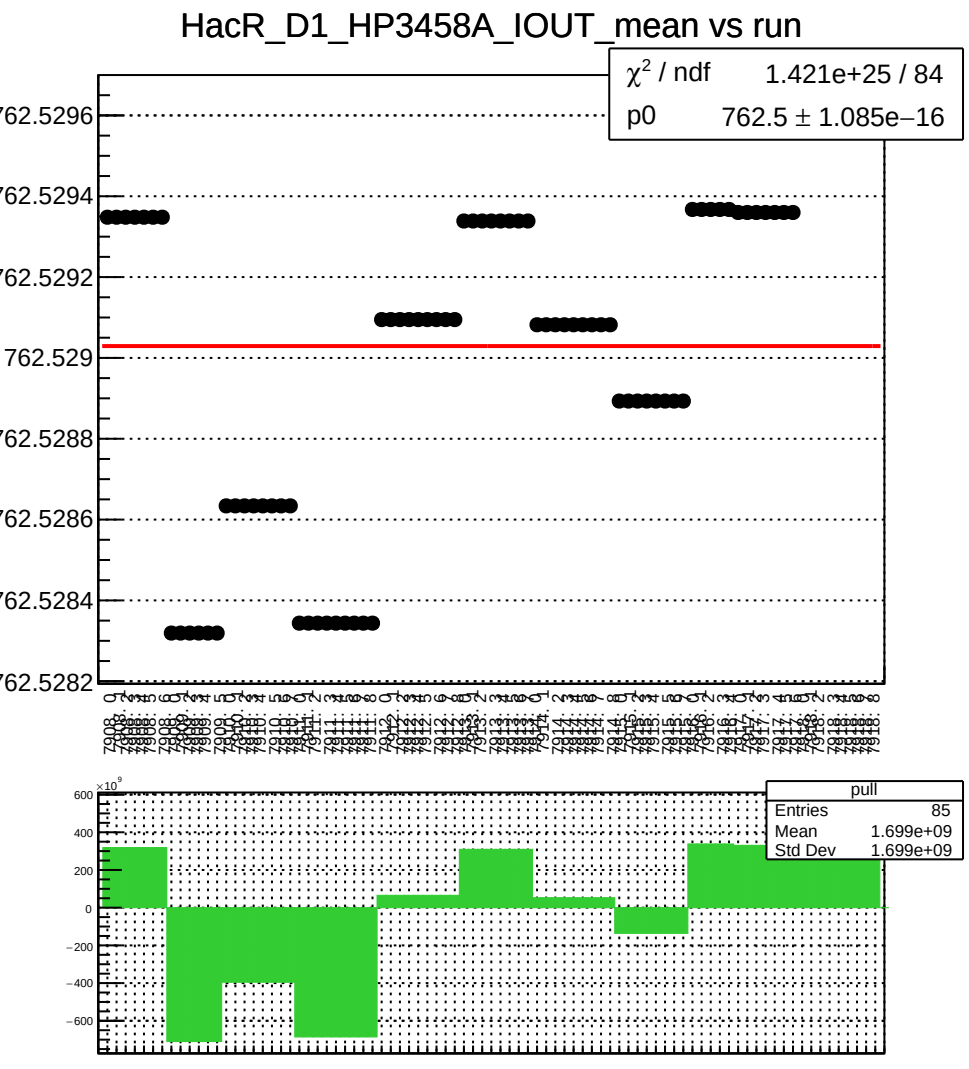

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

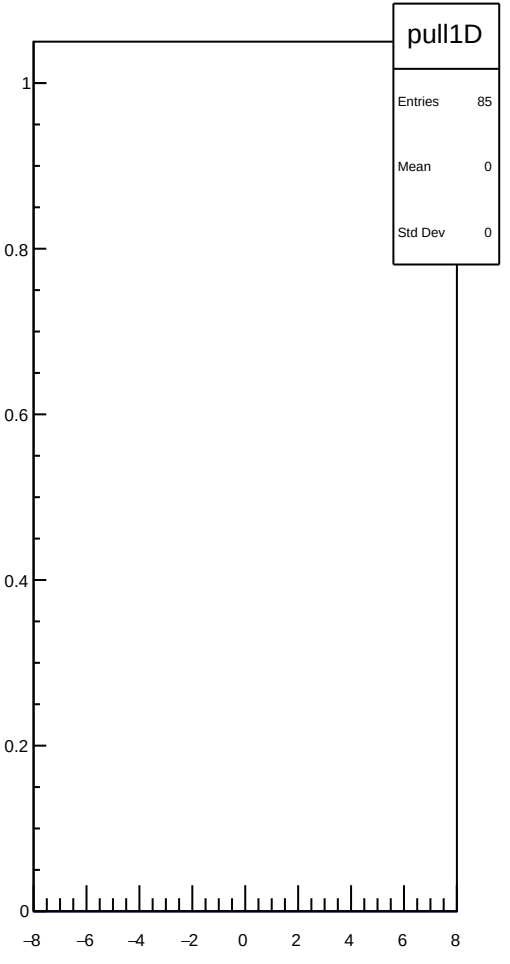

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.506e+26 / 84
p0 980.8 ± 1.085e−16
980.791
980.79
980.789
980.788
980.787
980.786
×10⁹
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 1.701e+08
Std Dev 1.701e+08
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

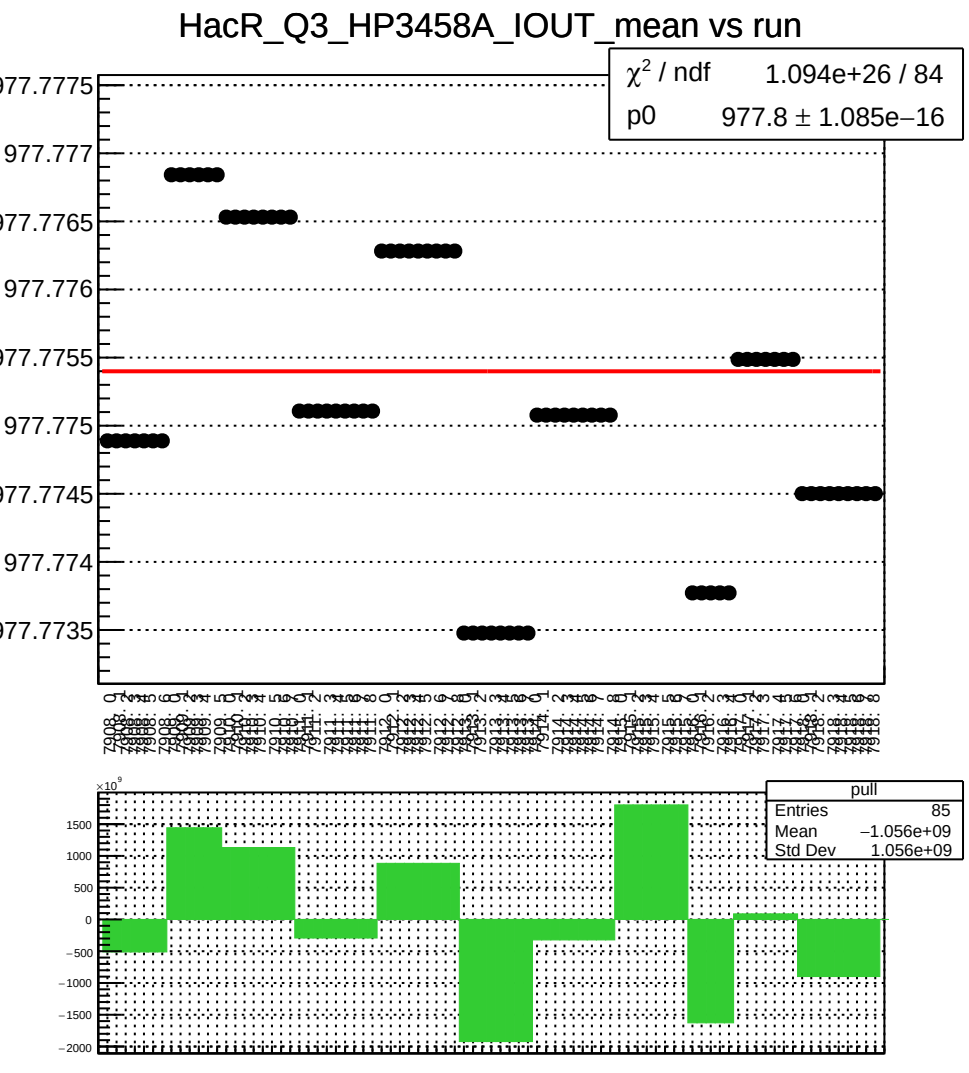

MQ172RM_mean vs run
χ² / ndf 0.03683 / 84
p0 0.009375 ± 1.085e−16
×10⁻³
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 0.02082
Std Dev 5.206e−10

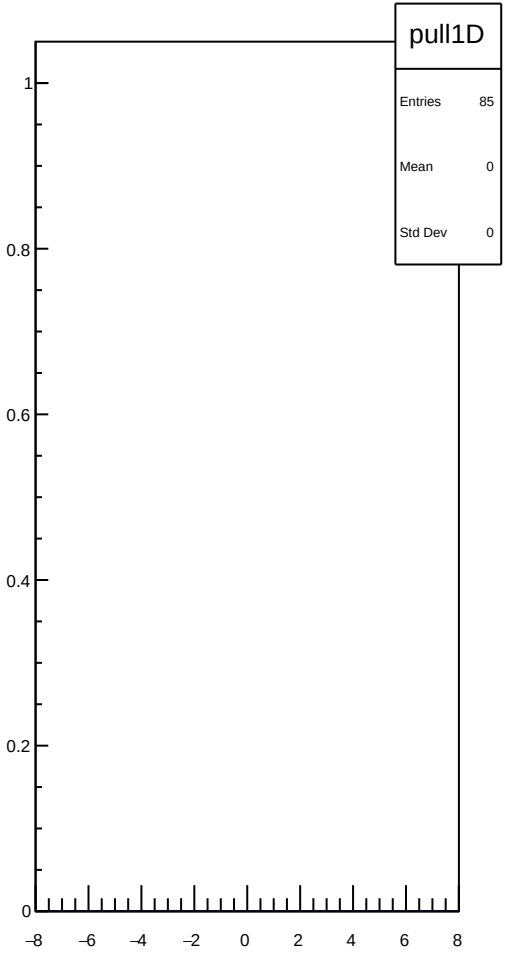

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 3.941e+27 / 84
p0 925 ± 1.085e−16
925.015
925.01
925.005
925
924.995
pull
Entries 85
Mean −1.079e+09
Std Dev 1.079e+09
×10¹²
6
4
2
0
−2
−4
−6
−8
−10
−12
−14

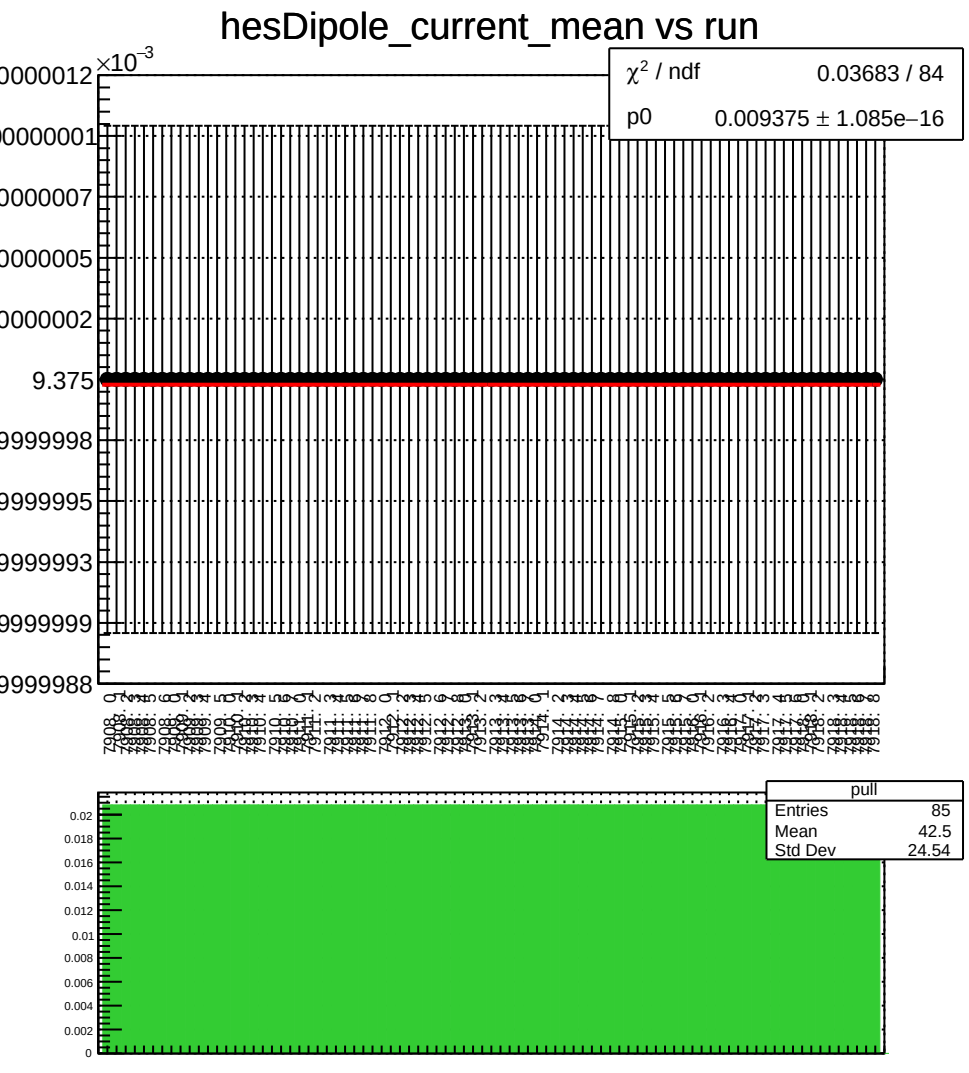

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

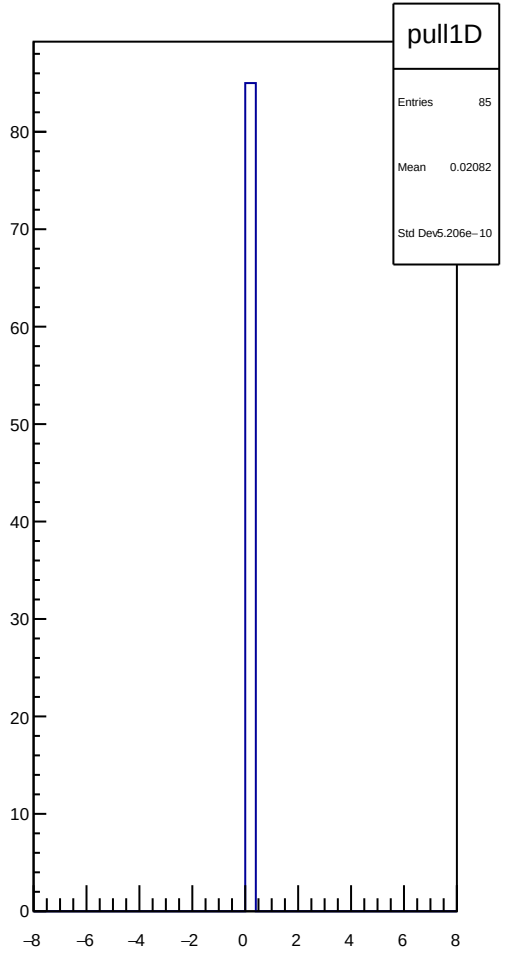

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.421e+25 / 84
p0 762.5 ± 1.085e−16
762.5296
762.5294
762.5292
762.529
762.5288
762.5286
762.5284
762.5282
pull
Entries 85
Mean 1.699e+09
Std Dev 1.699e+09
×10⁹
600
400
200
0
−200
−400
−600

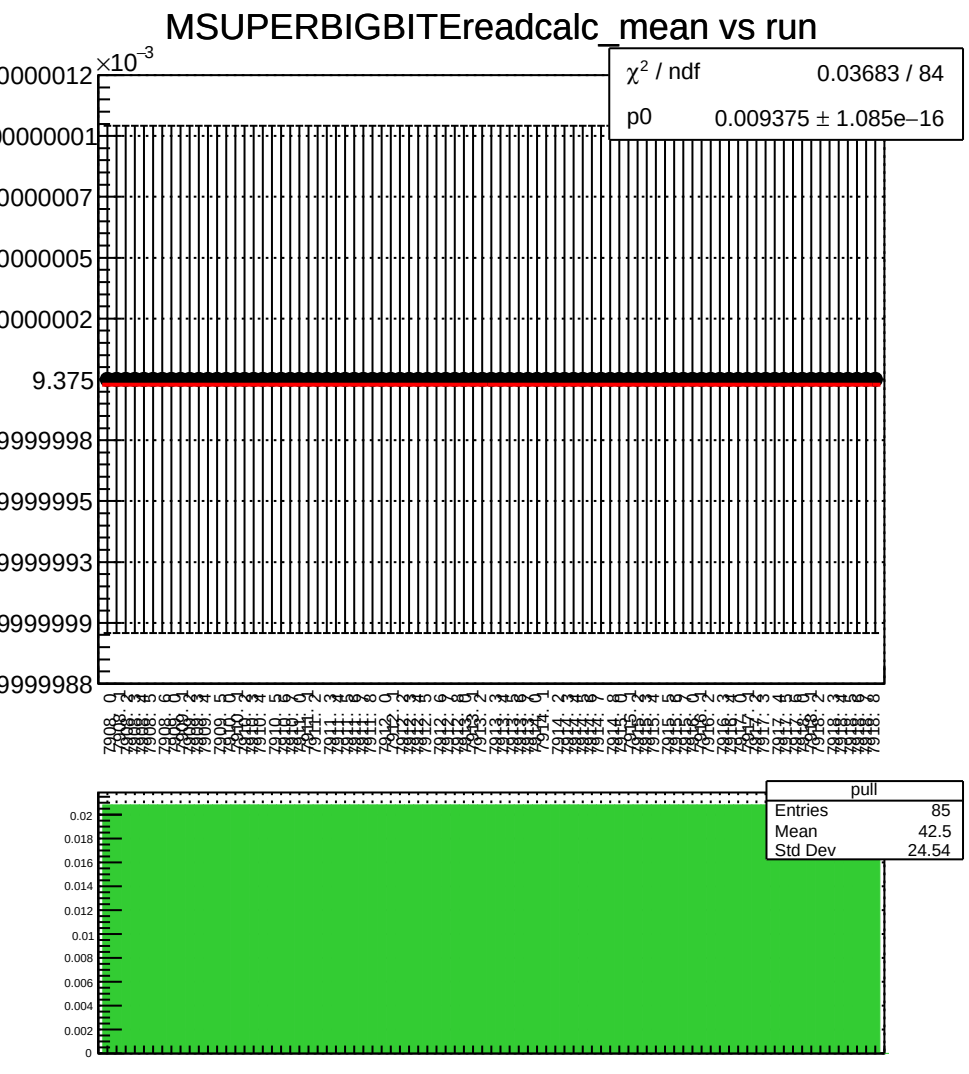

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

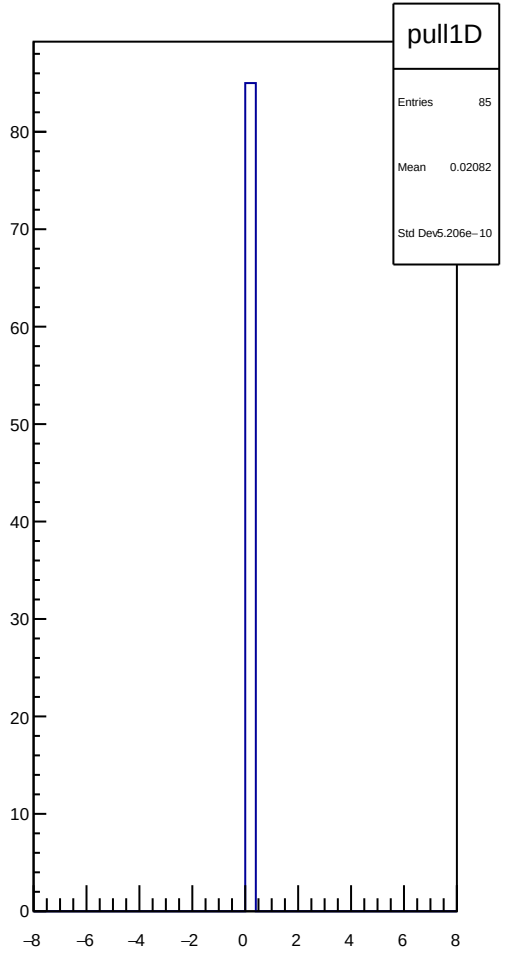

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.094e+26 / 84
p0 977.8 ± 1.085e−16
977.7775
977.777
977.7765
977.776
977.7755
977.775
977.7745
977.774
977.7735
×10⁹
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 85
Mean −1.056e+09
Std Dev 1.056e+09

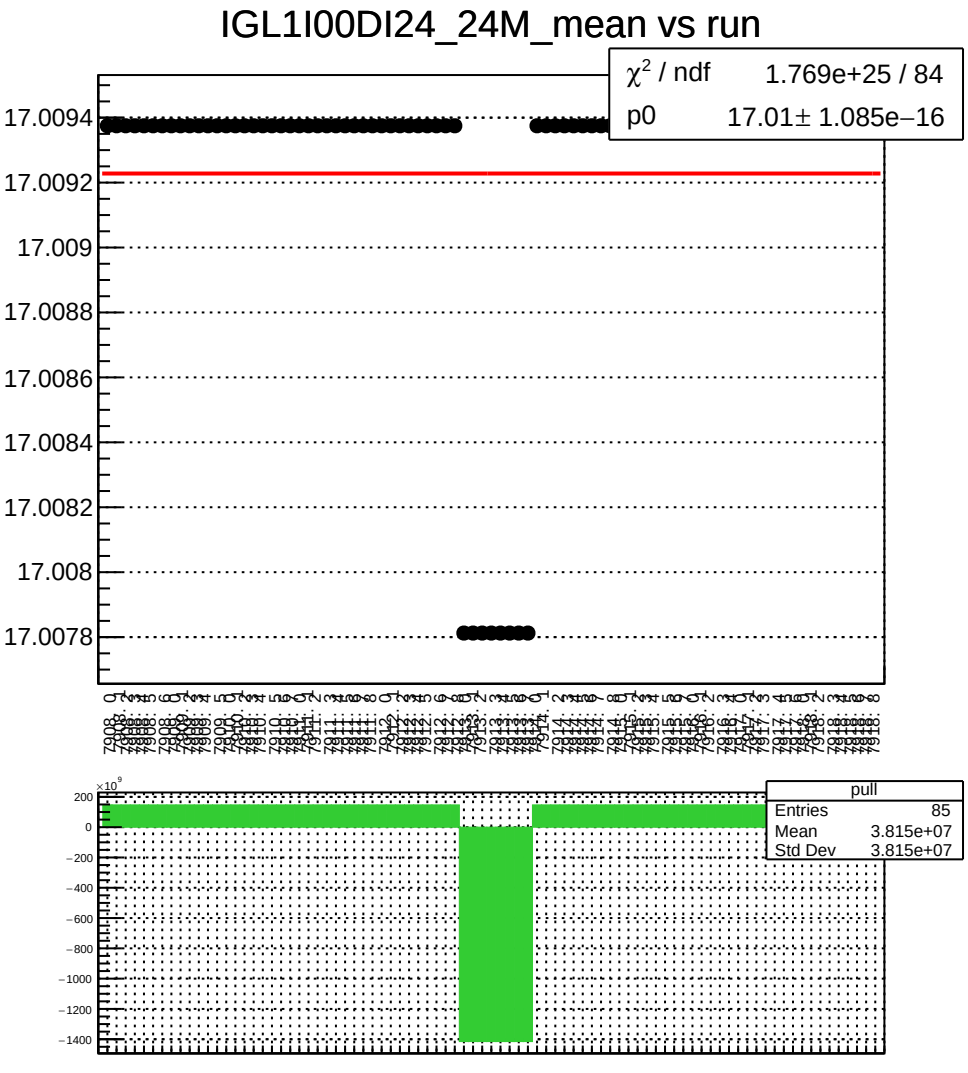

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

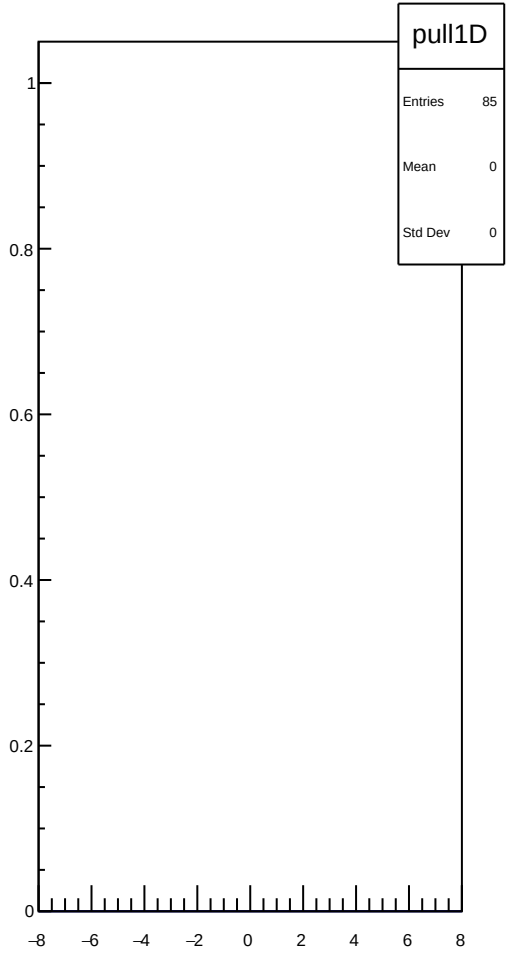

hesDipole_current_mean vs run
χ² / ndf 0.03683 / 84
p0 0.009375 ± 1.085e−16
×10⁻³
9.375
pull
Entries 85
Mean 42.5
Std Dev 24.54

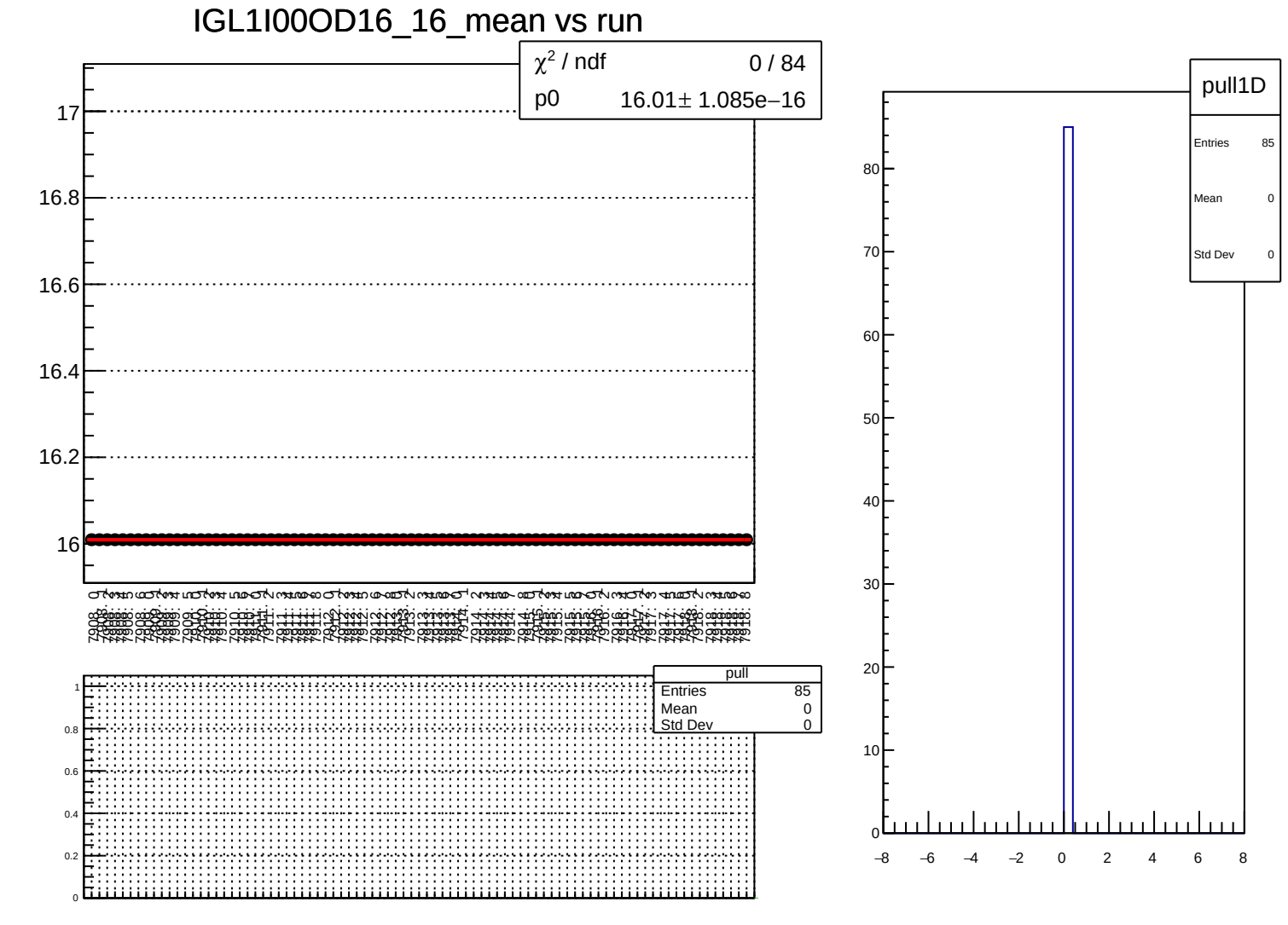

pull1D
Entries 85
Mean 0.02082
Std Dev 5.206e−10

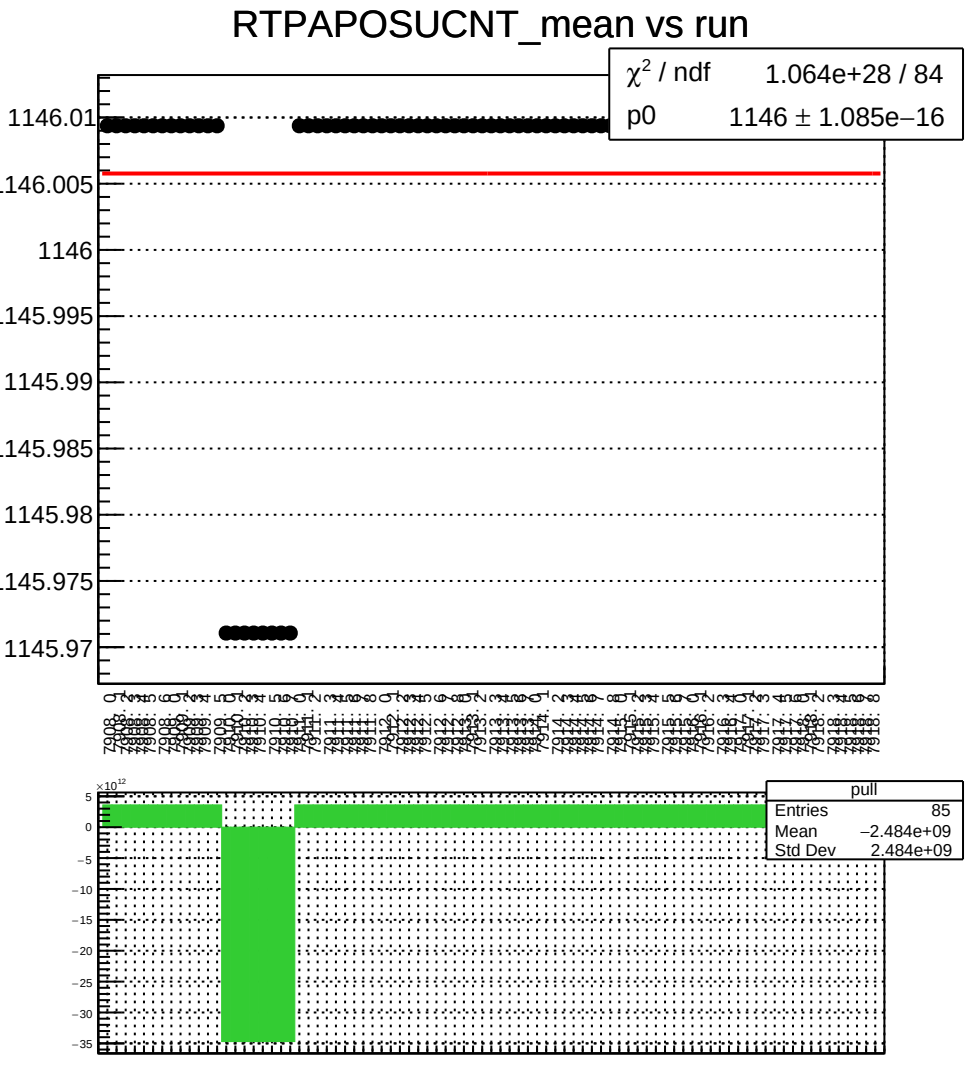

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.03683 / 84
p0 0.009375 ± 1.085e−16
×10⁻³
pull
Entries 85
Mean 42.5
Std Dev 24.54

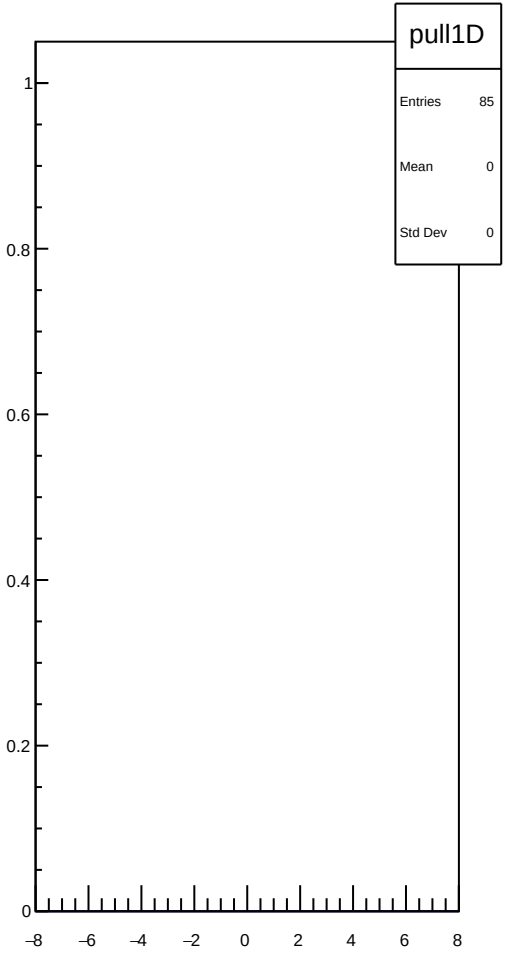

pull1D
Entries 85
Mean 0.02082
Std Dev 5.206e−10

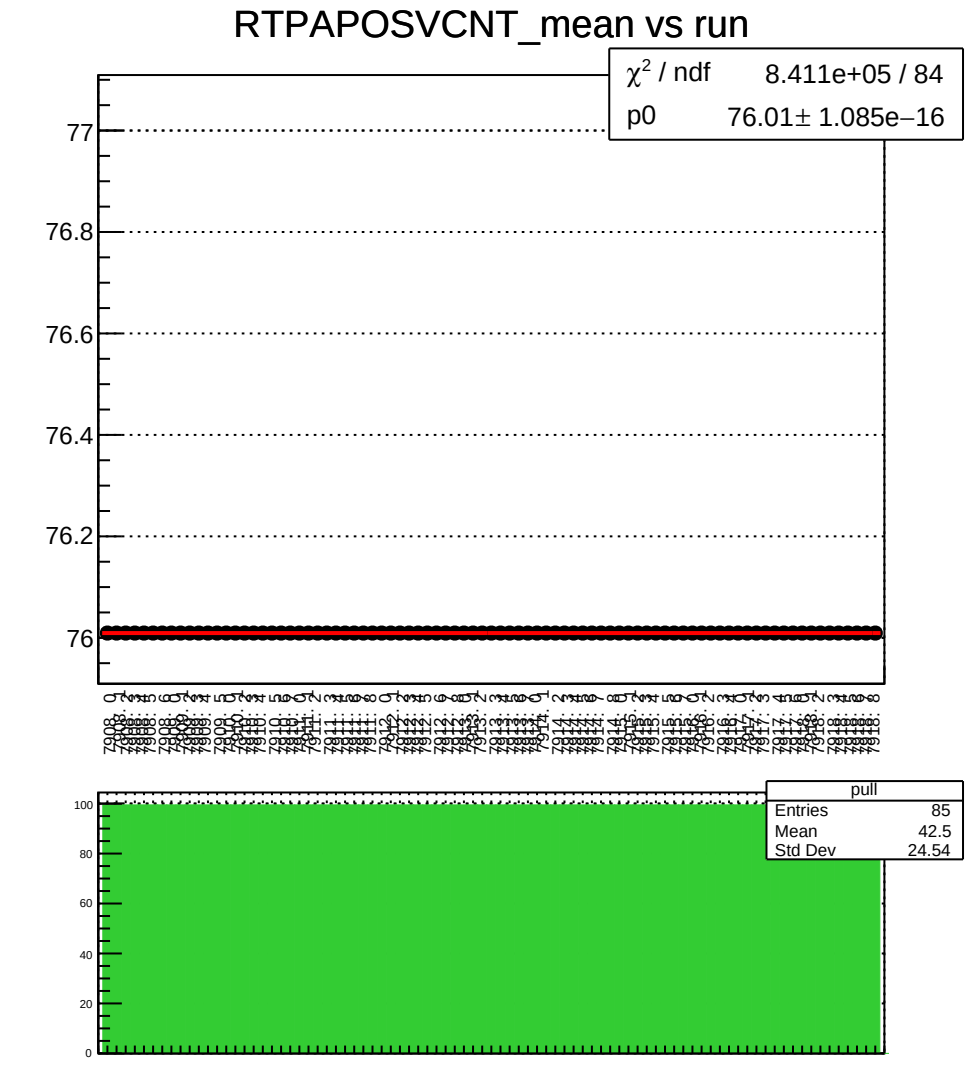

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.769e+25 / 84
p0 17.01± 1.085e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
pull
Entries 85
Mean 3.815e+07
Std Dev 3.815e+07
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400

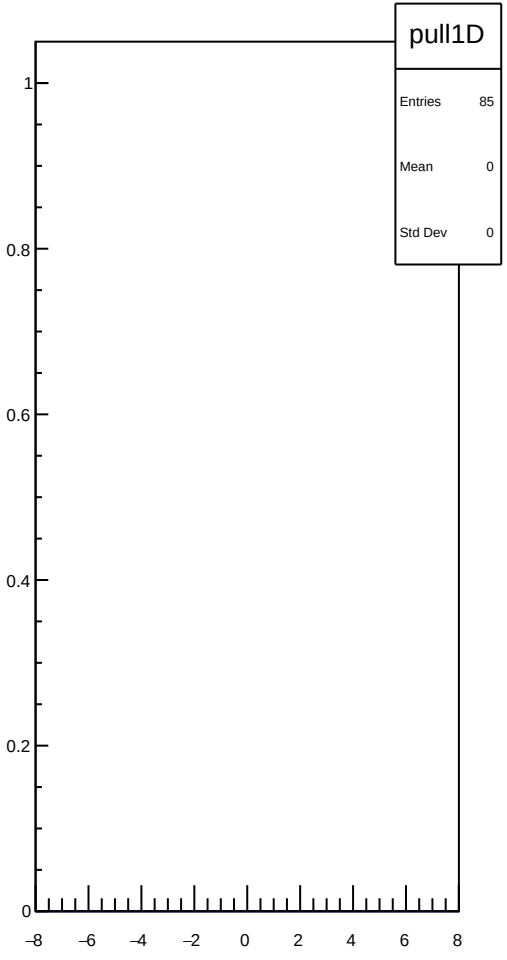

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


IGL1I00OD16_16_mean vs run
χ² / ndf 0 / 84
p0 16.01± 1.085e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSUCNT_mean vs run
χ² / ndf 1.064e+28 / 84
p0 1146 ± 1.085e−16
1146.01
1146.005
1146
1145.995
1145.99
1145.985
1145.98
1145.975
1145.97
pull
Entries 85
Mean −2.484e+09
Std Dev 2.484e+09
×10¹²
5
0
−5
−10
−15
−20
−25
−30
−35


pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 8.411e+05 / 84
p0 76.01± 1.085e−16
77
76.8
76.6
76.4
76.2
76
pull
Entries 85
Mean 42.5
Std Dev 24.54
100
80
60
40
20
0


pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8