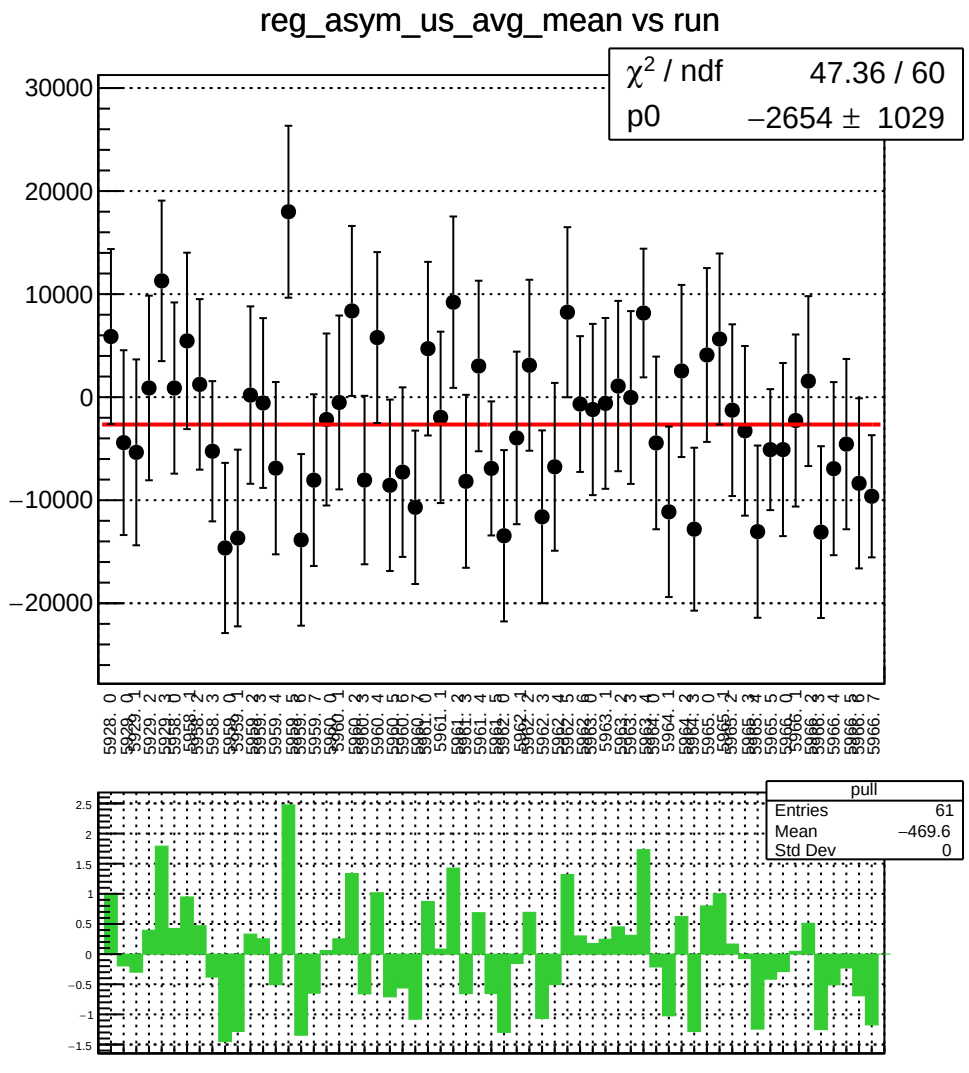
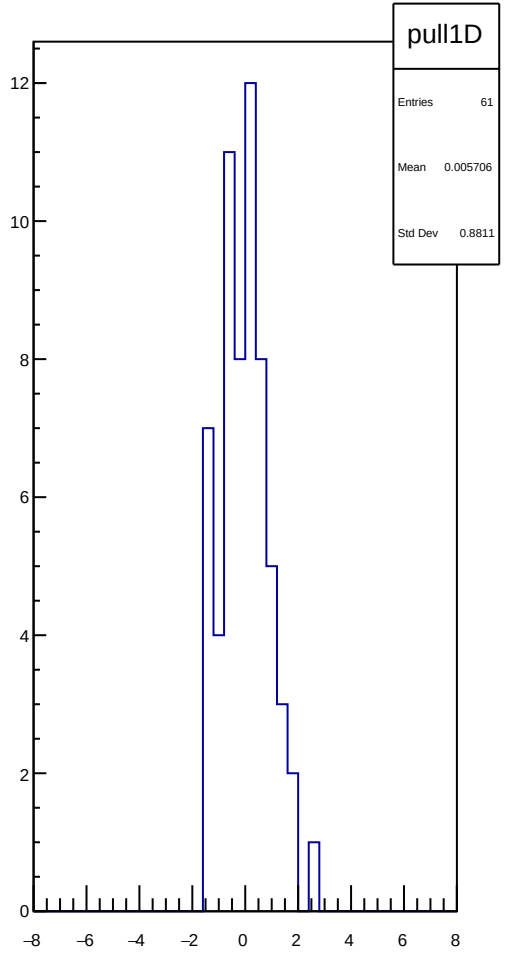
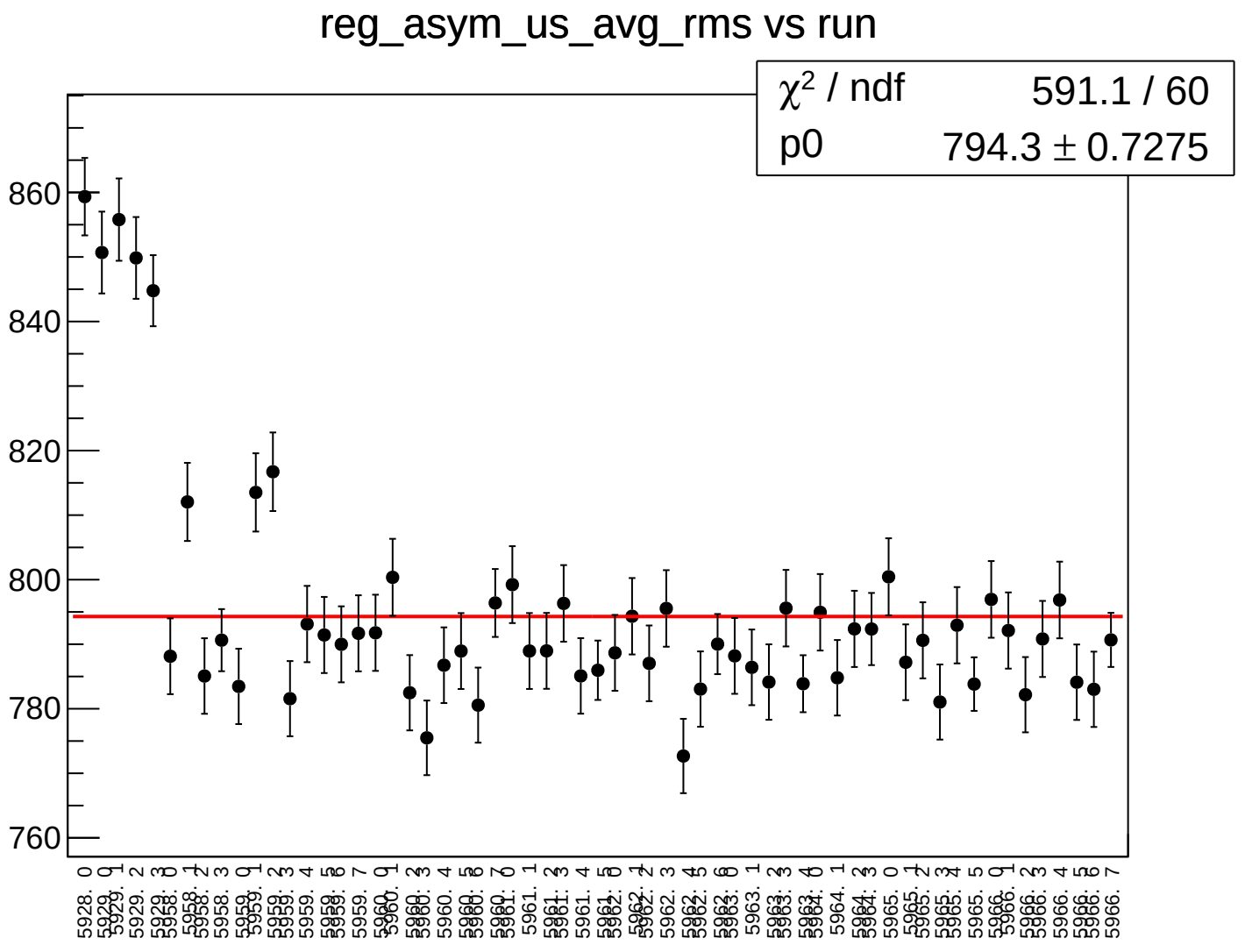
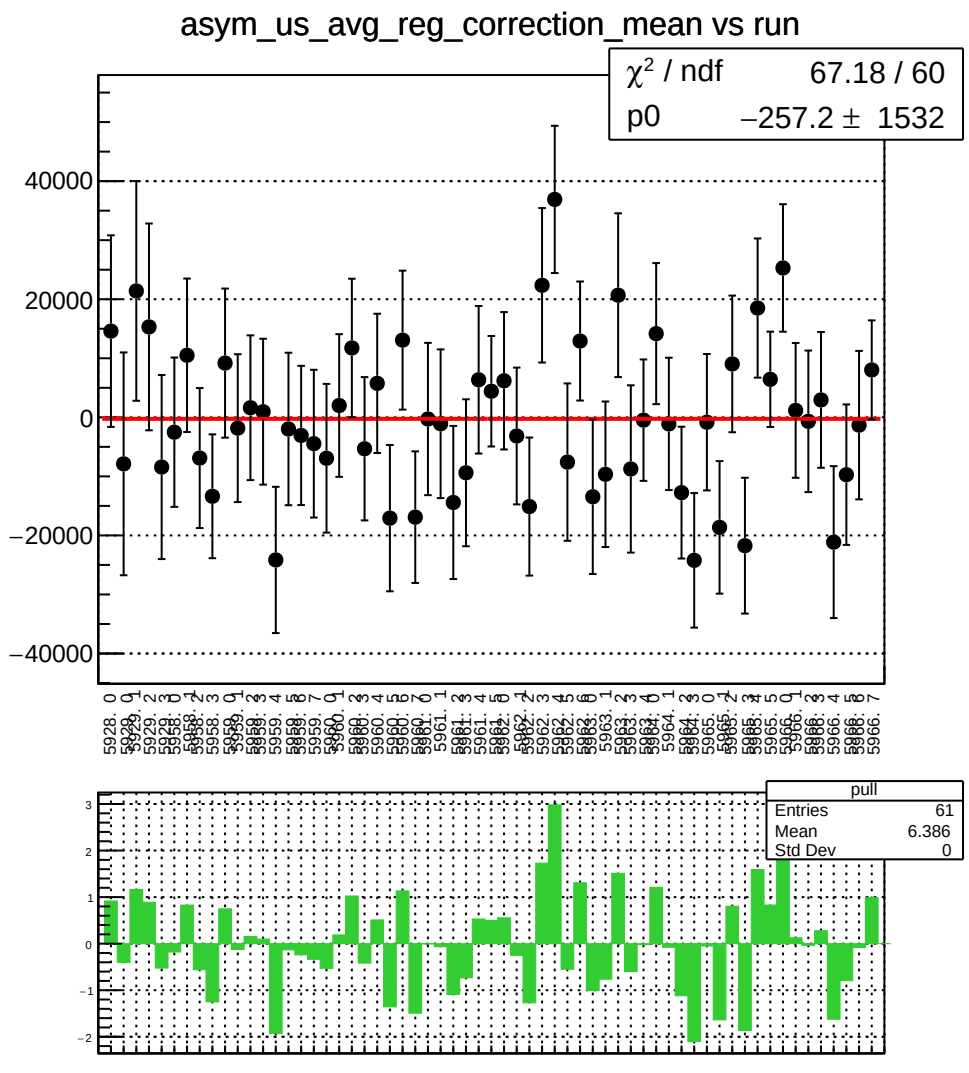
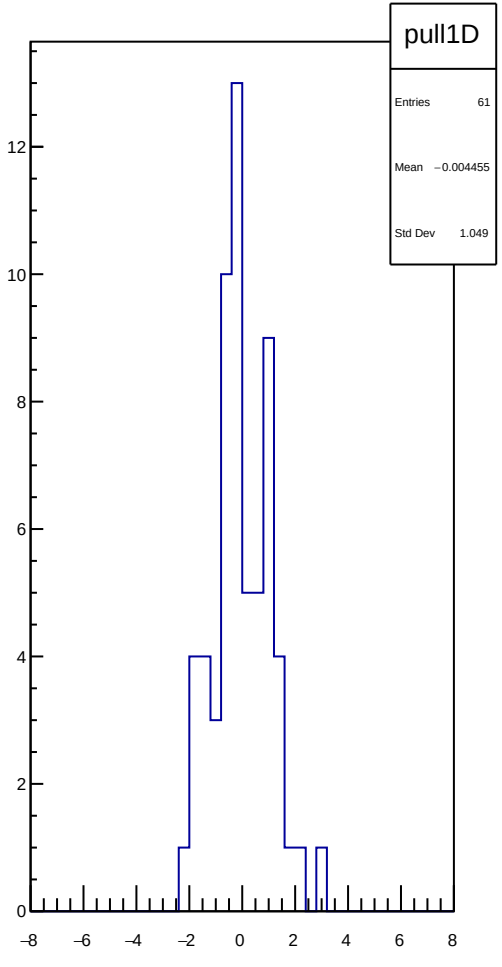
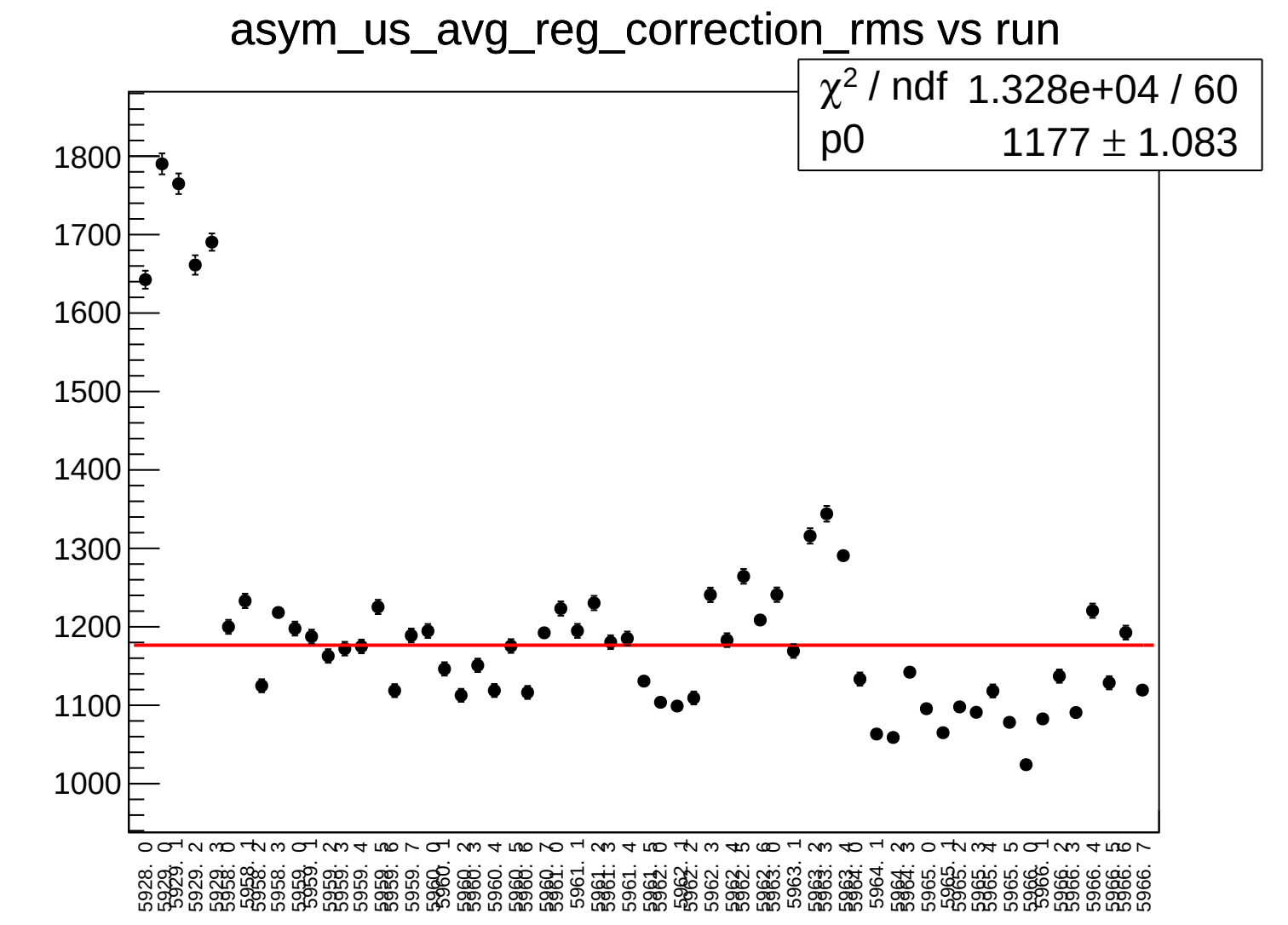

reg_asym_us_avg_mean vs run
χ² / ndf 47.36 / 60
p0 −2654 ± 1029
pull
Entries 61
Mean −469.6
Std Dev 0

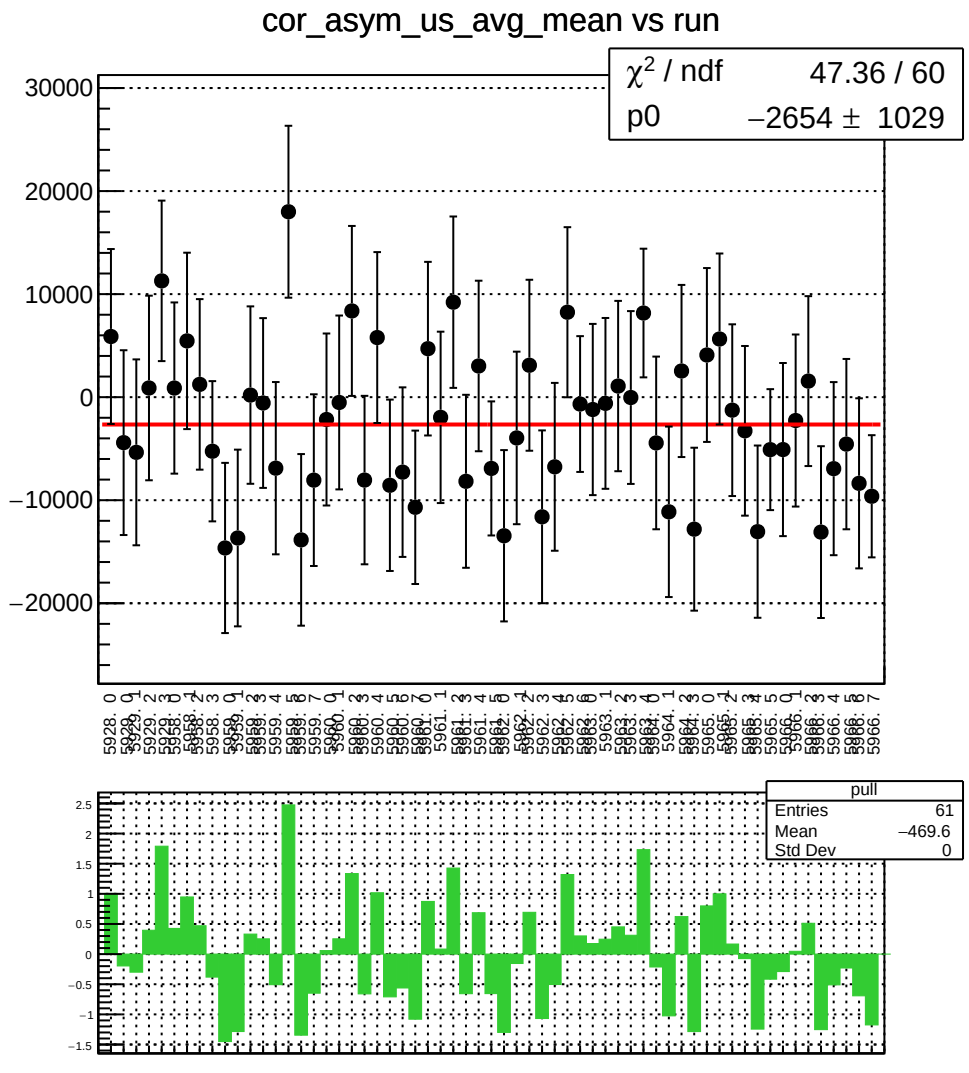

pull1D
Entries 61
Mean 0.005706
Std Dev 0.8811

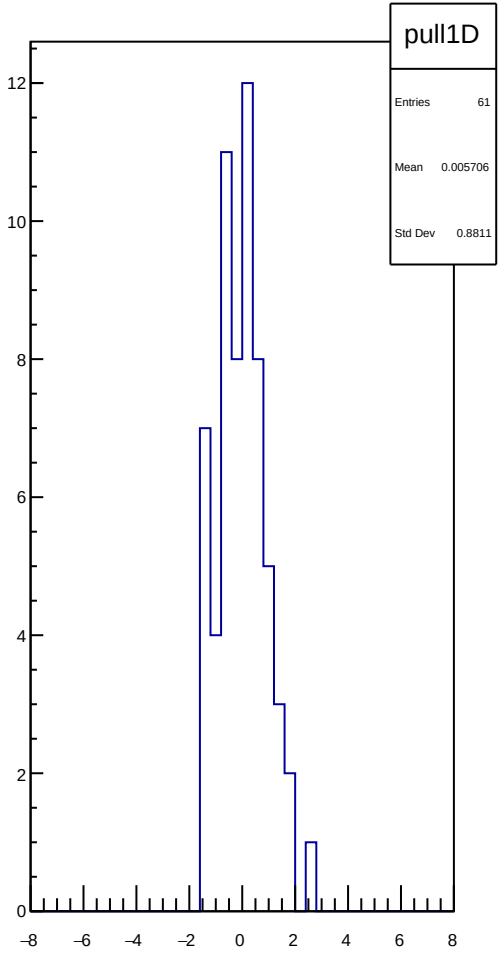

reg_asym_us_avg_rms vs run
χ² / ndf 591.1 / 60
p0 794.3 ± 0.7275
860
840
820
800
780
760

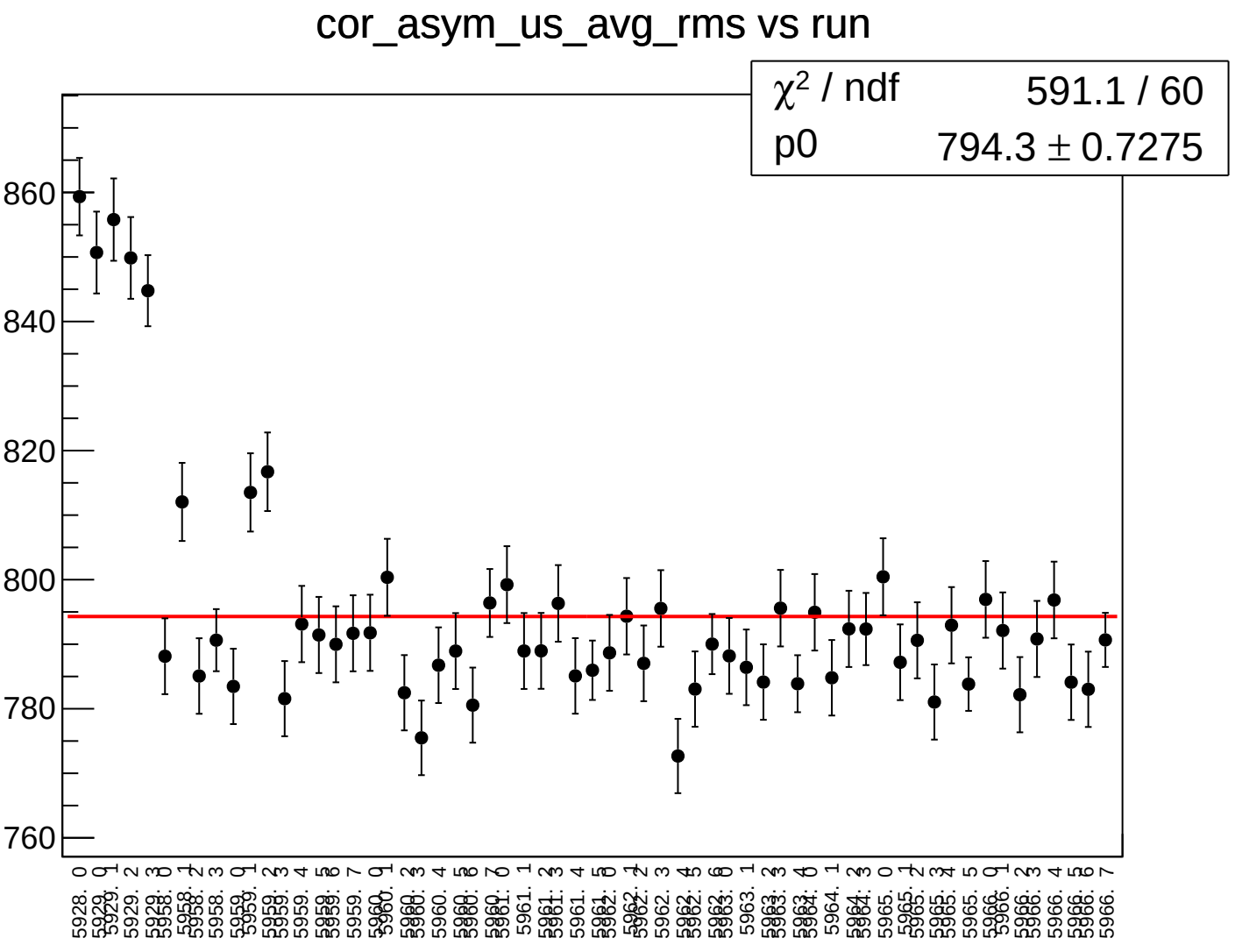

asym_us_avg_reg_correction_mean vs run
χ² / ndf 67.18 / 60
p0 −257.2 ± 1532
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 6.386
Std Dev 0
3
2
1
0
−1
−2

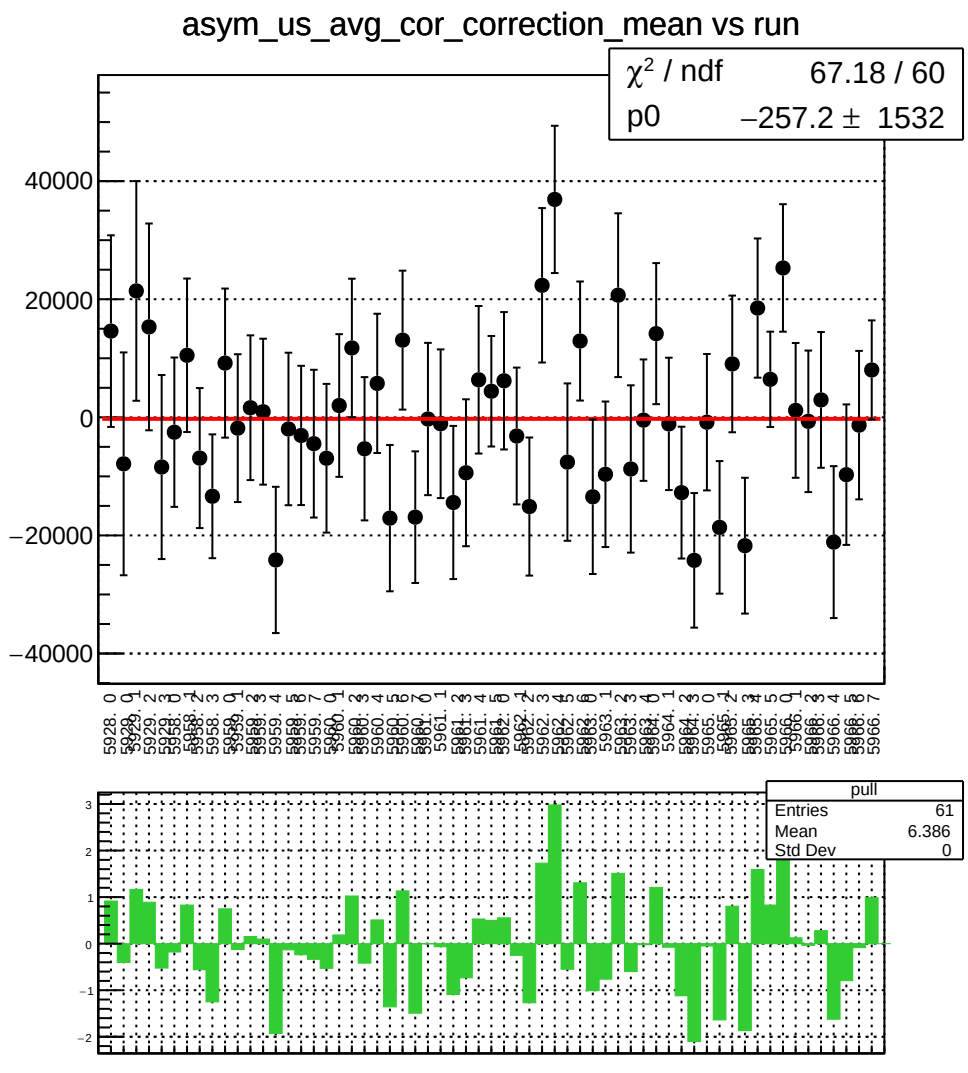

pull1D
Entries 61
Mean −0.004455
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

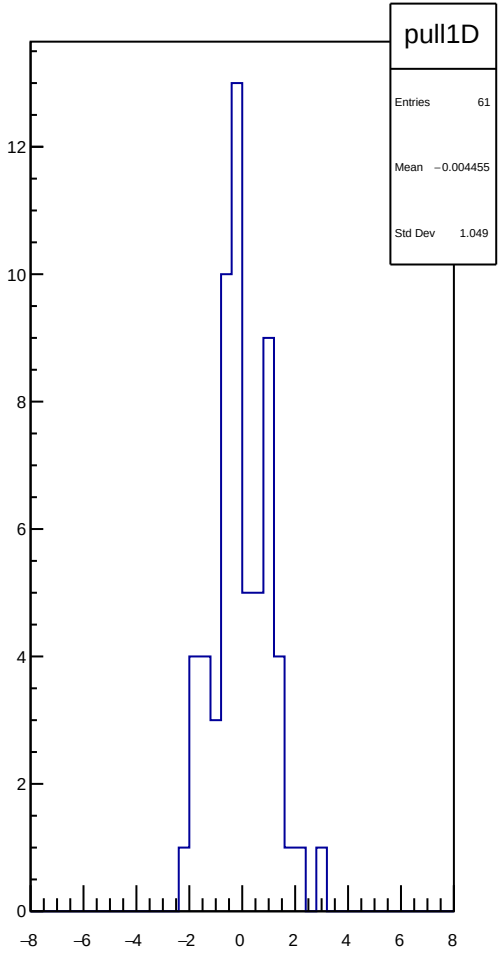

asym_us_avg_reg_correction_rms vs run
χ² / ndf 1.328e+04 / 60
p0 1177 ± 1.083
1800
1700
1600
1500
1400
1300
1200
1100
1000

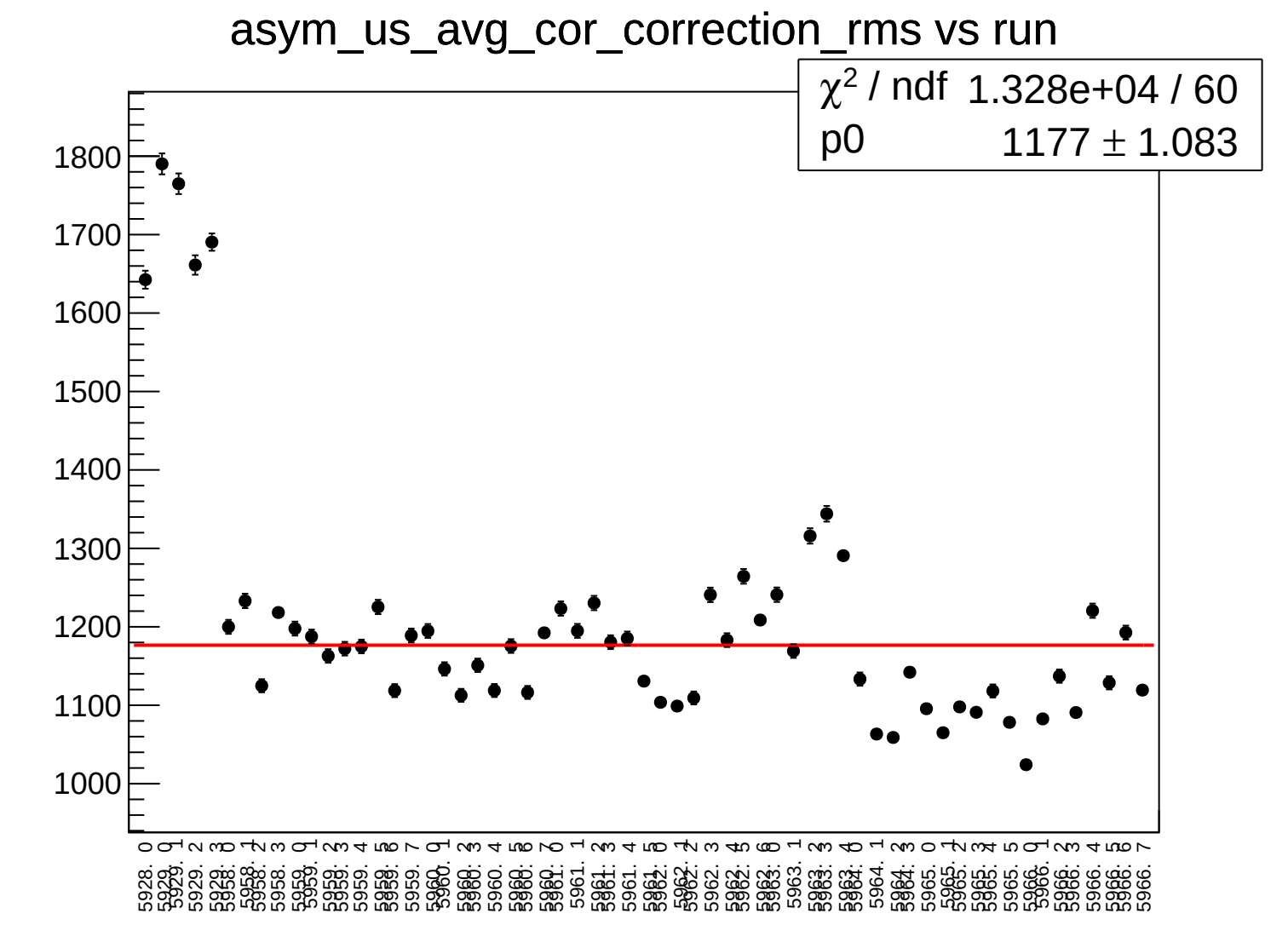

cor_asym_us_avg_mean vs run
χ² / ndf 47.36 / 60
p0 −2654 ± 1029
pull
Entries 61
Mean −469.6
Std Dev 0

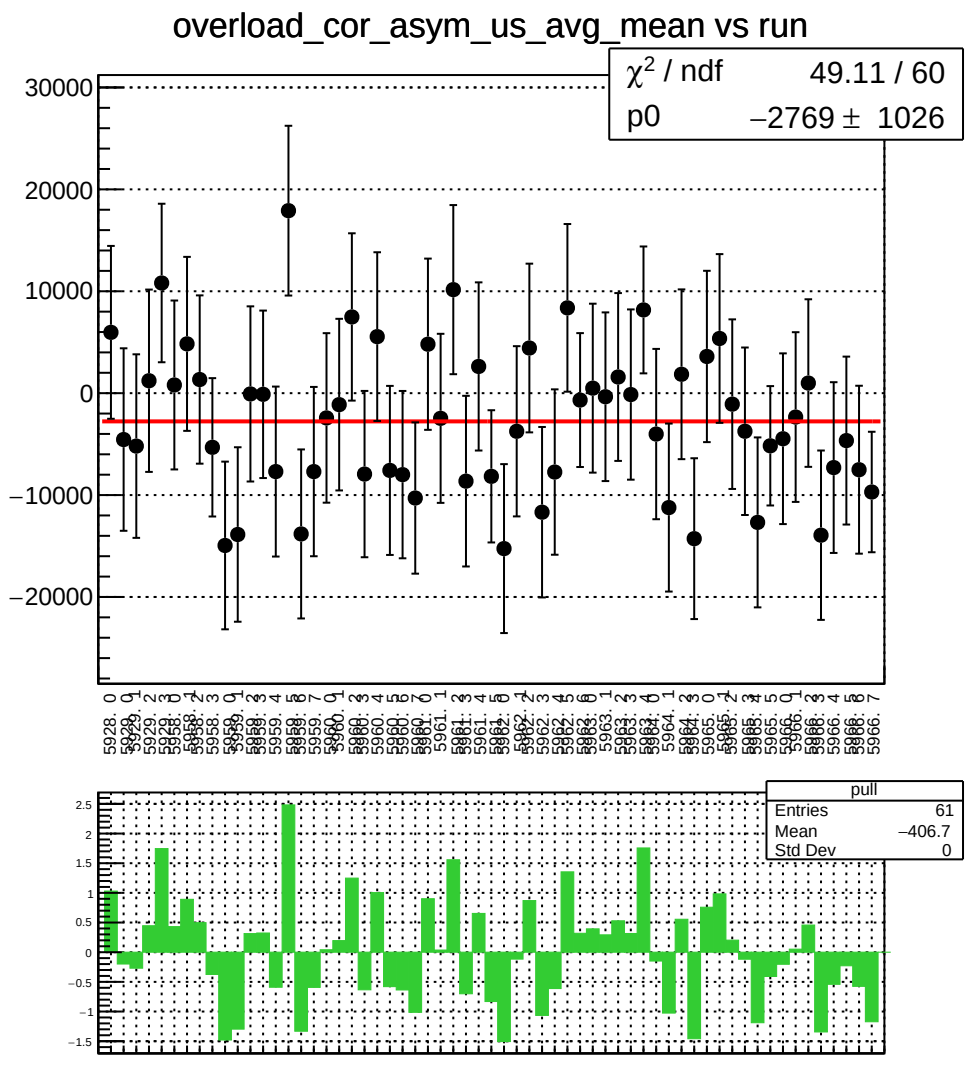

pull1D
Entries 61
Mean 0.005706
Std Dev 0.8811

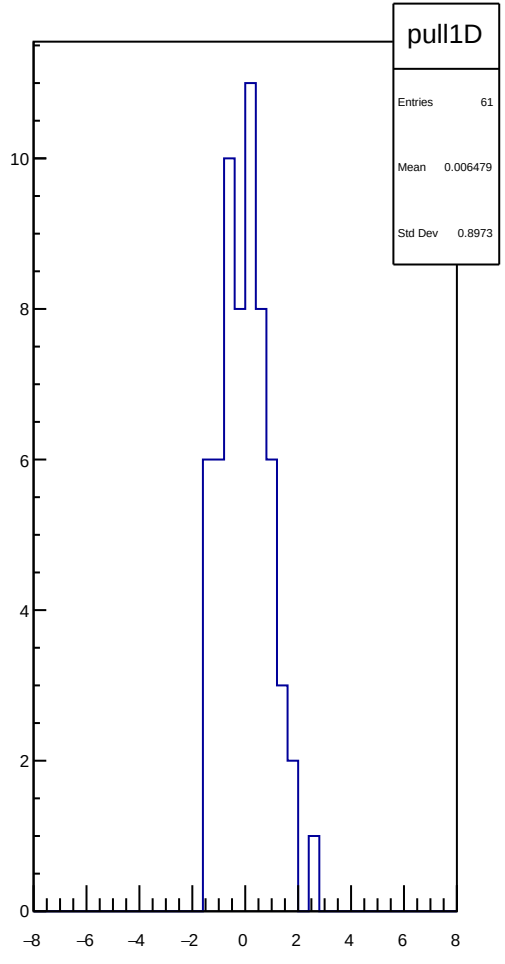

cor_asym_us_avg_rms vs run
χ² / ndf 591.1 / 60
p0 794.3 ± 0.7275
860
840
820
800
780
760

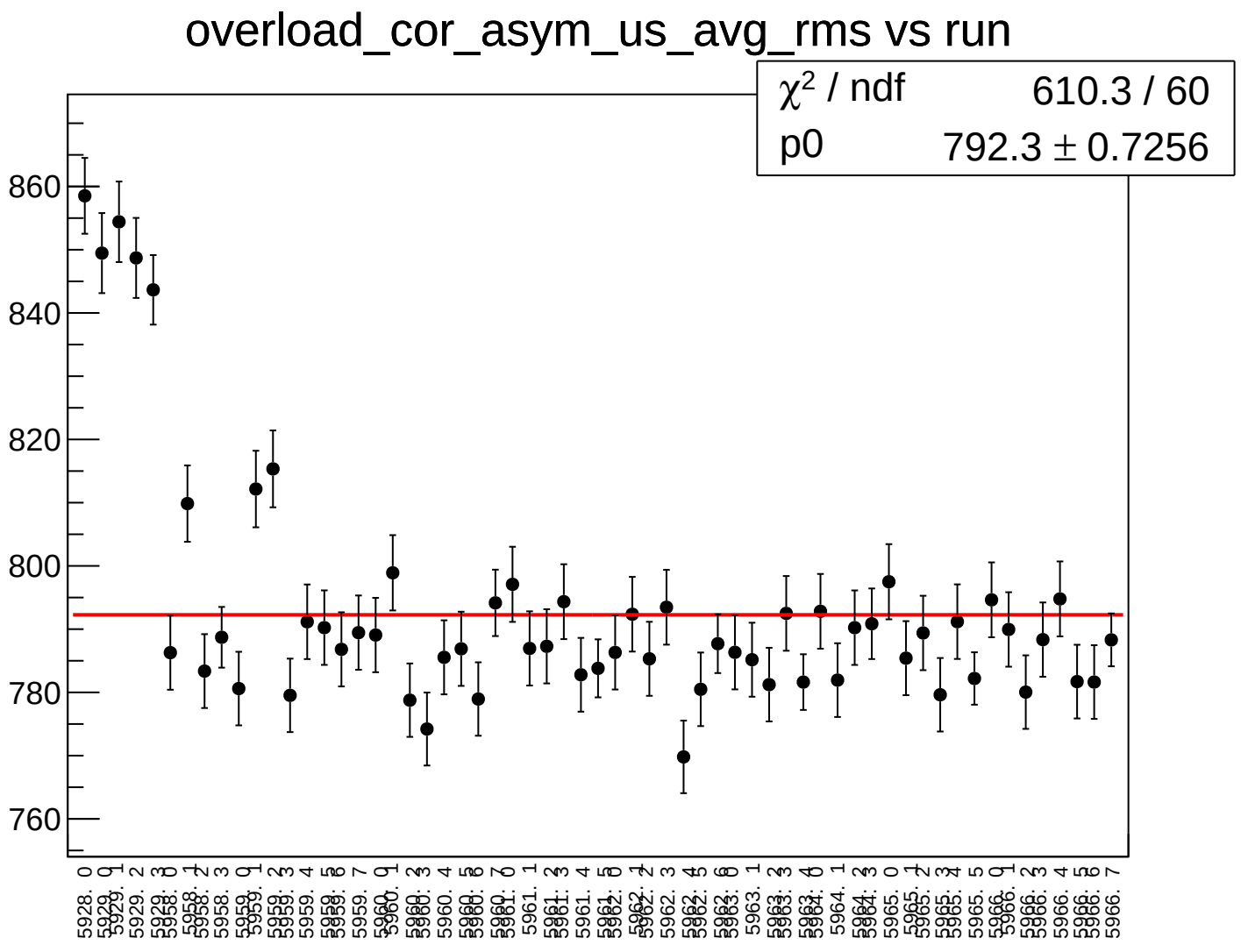

asym_us_avg_cor_correction_mean vs run
χ² / ndf 67.18 / 60
p0 −257.2 ± 1532
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 6.386
Std Dev 0
3
2
1
0
−1
−2

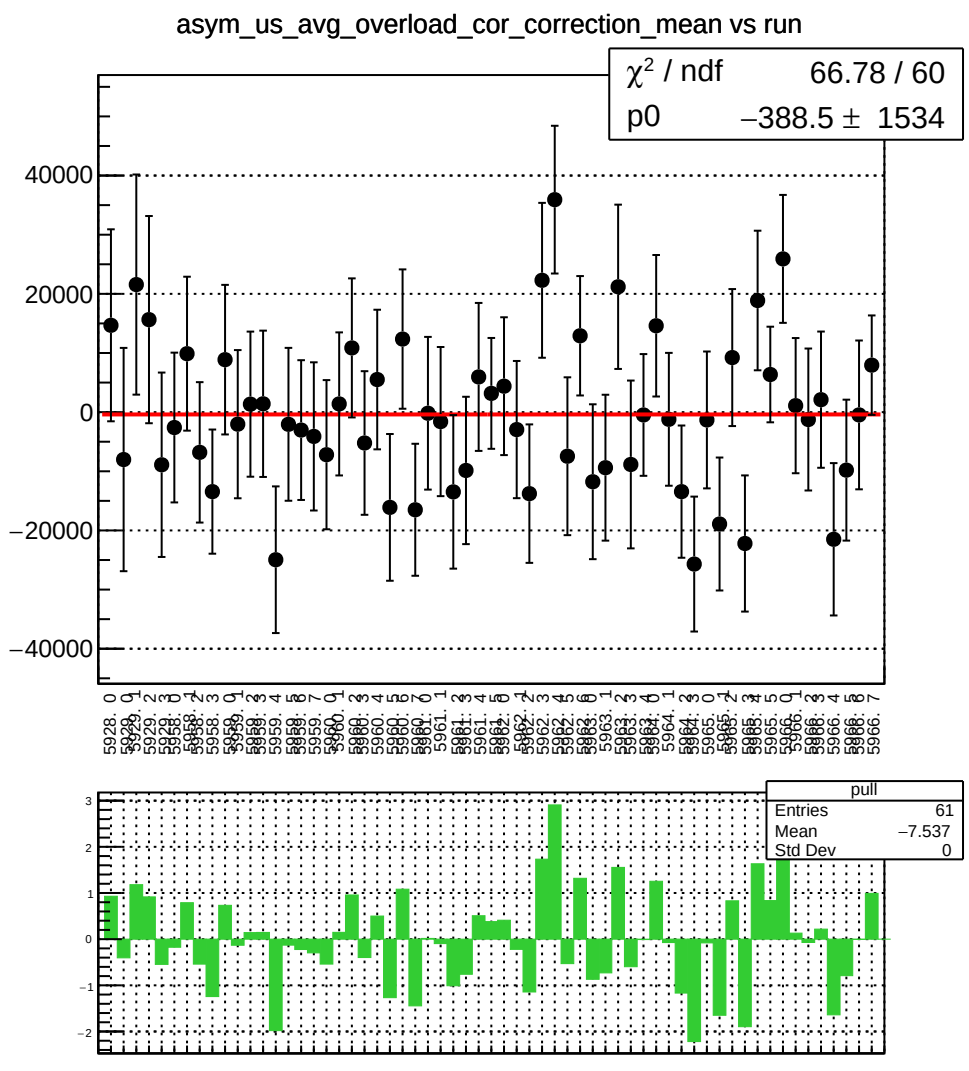

pull1D
Entries 61
Mean −0.004455
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

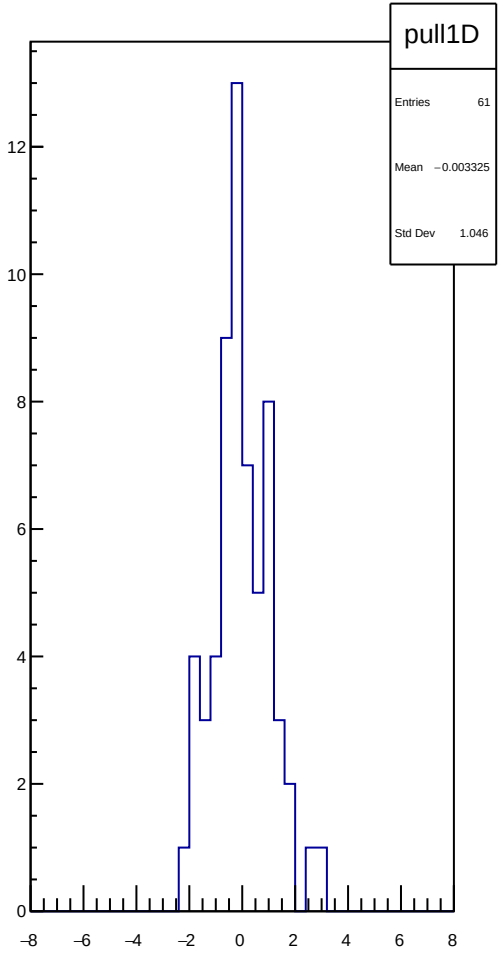

asym_us_avg_cor_correction_rms vs run
χ² / ndf 1.328e+04 / 60
p0 1177 ± 1.083
1800
1700
1600
1500
1400
1300
1200
1100
1000

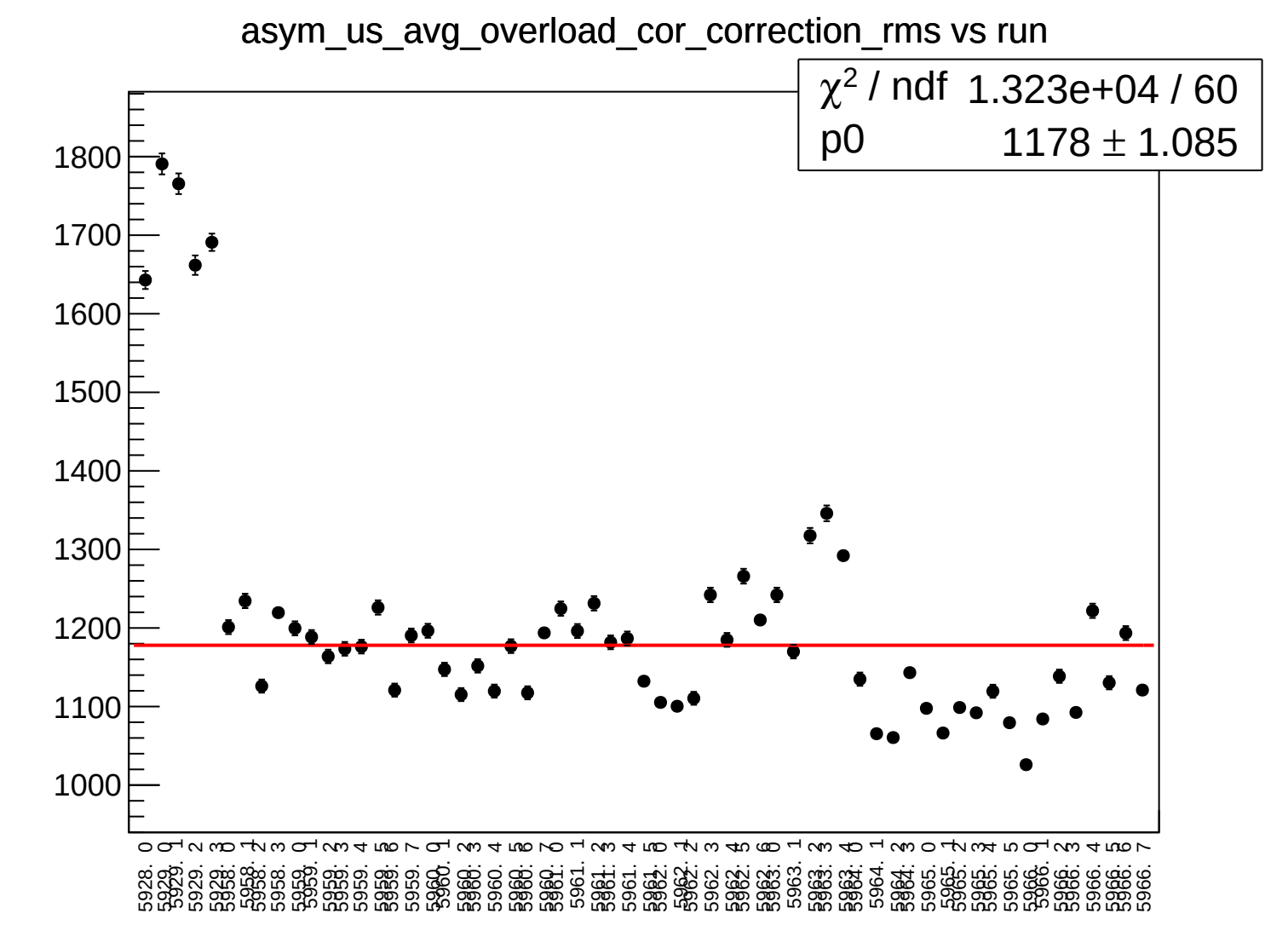

overload_cor_asym_us_avg_mean vs run
χ² / ndf 49.11 / 60
p0 −2769 ± 1026
pull
Entries 61
Mean −406.7
Std Dev 0

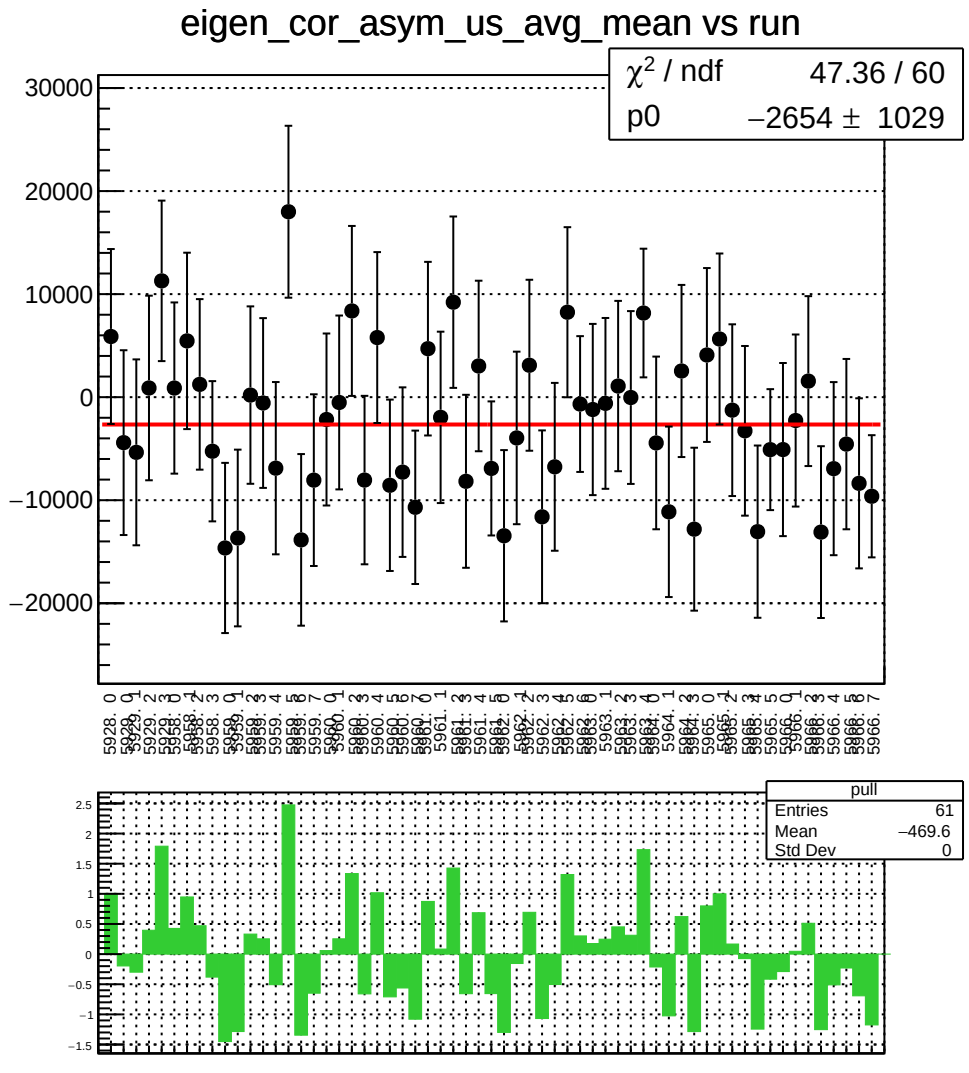

pull1D
Entries 61
Mean 0.006479
Std Dev 0.8973

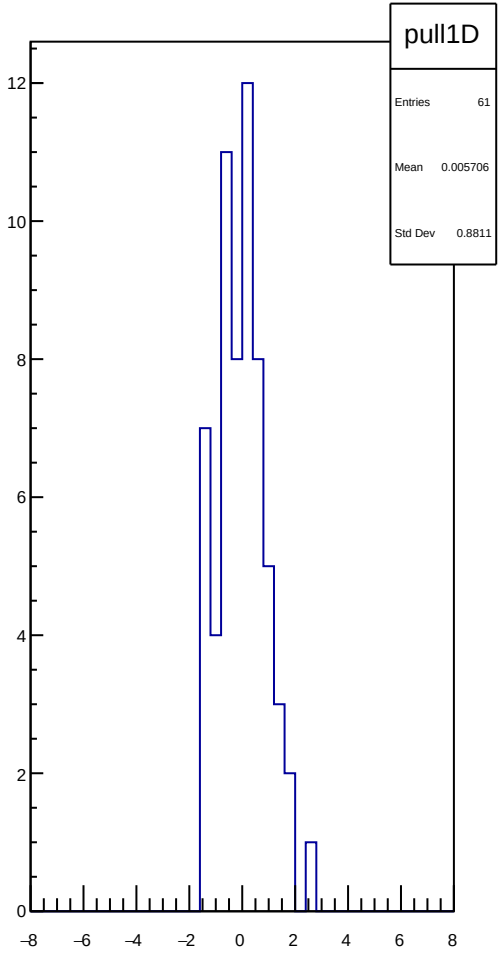

overload_cor_asym_us_avg_rms vs run
χ² / ndf 610.3 / 60
p0 792.3 ± 0.7256
860
840
820
800
780
760

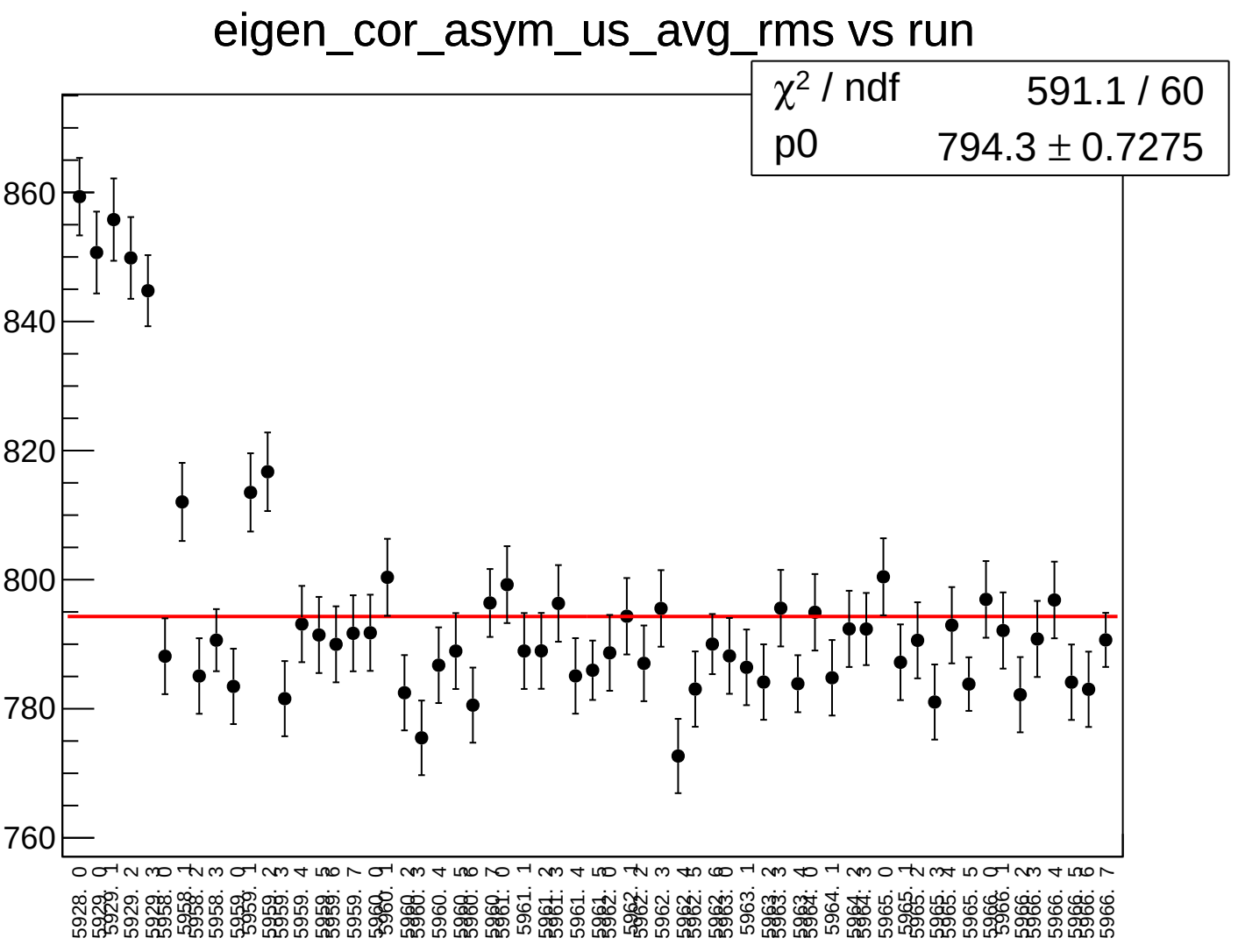

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 66.78 / 60
p0 −388.5 ± 1534
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −7.537
Std Dev 0
3
2
1
0
−1
−2

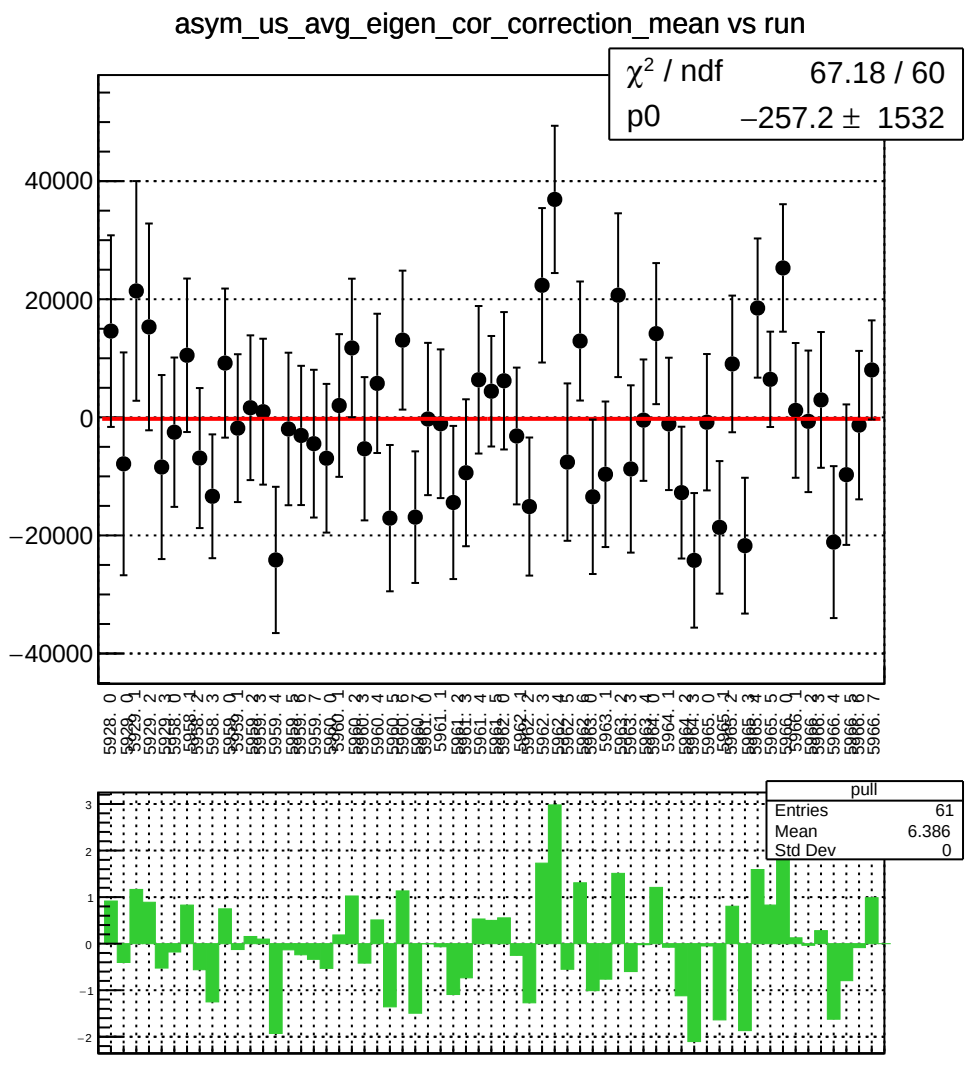

pull1D
Entries 61
Mean −0.003325
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

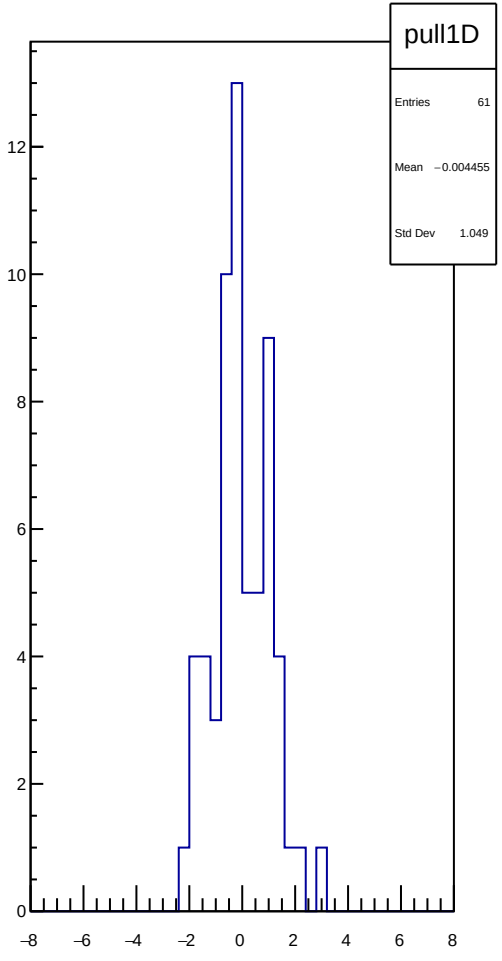

asym_us_avg_overload_cor_correction_rms vs run
χ^2 / ndf 1.323e+04 / 60
p0 1178 ± 1.085
1800
1700
1600
1500
1400
1300
1200
1100
1000

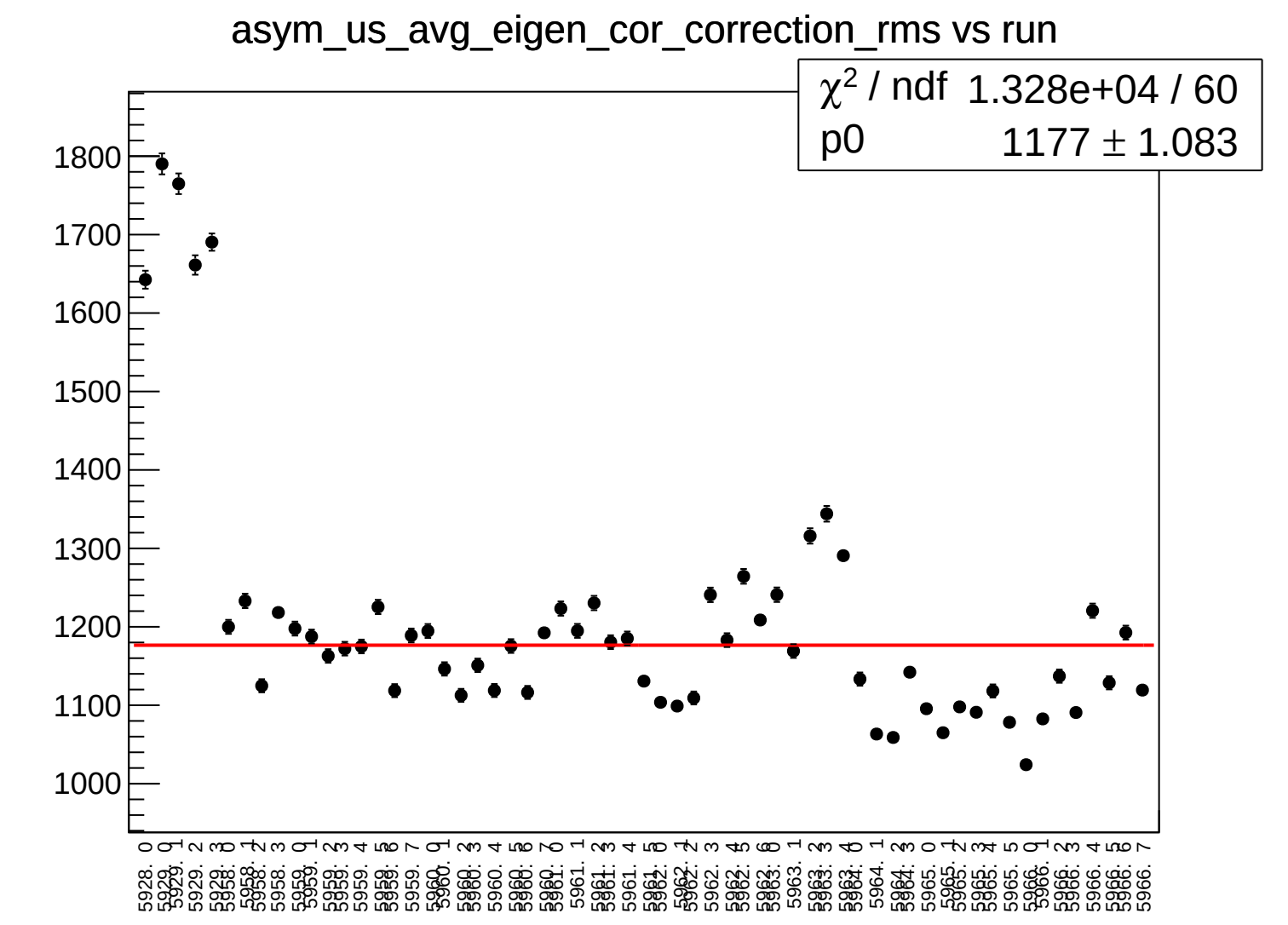

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 47.36 / 60
p0 −2654 ± 1029
pull
Entries 61
Mean −469.6
Std Dev 0

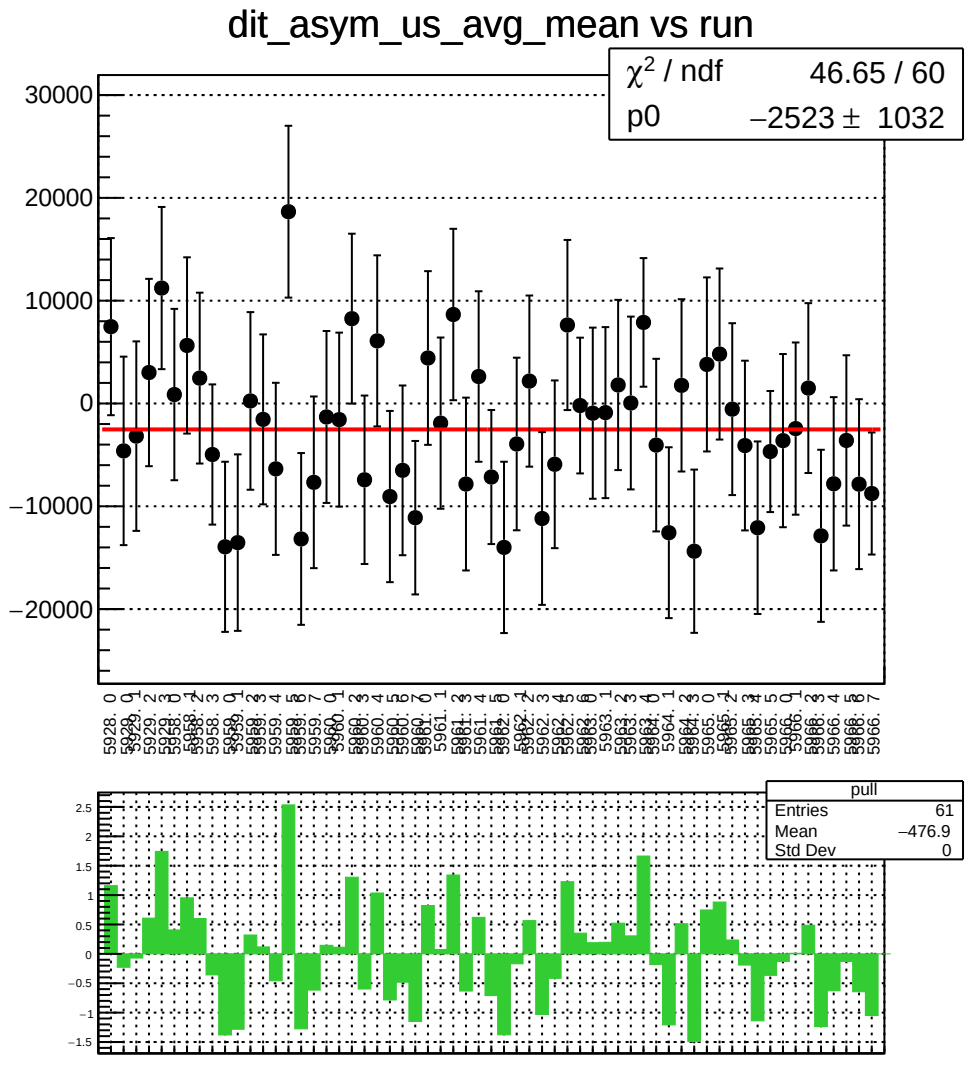

pull1D
Entries 61
Mean 0.005706
Std Dev 0.8811

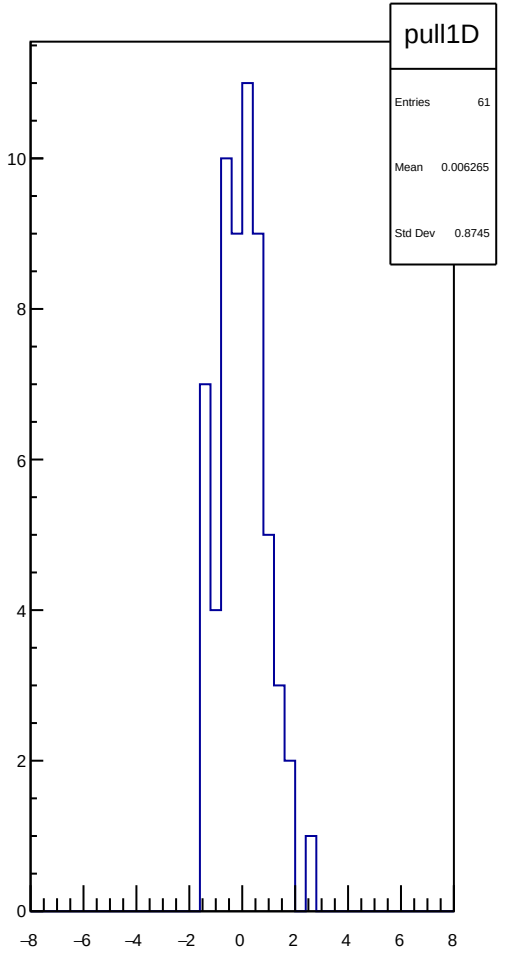

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 591.1 / 60
p0 794.3 ± 0.7275
860
840
820
800
780
760

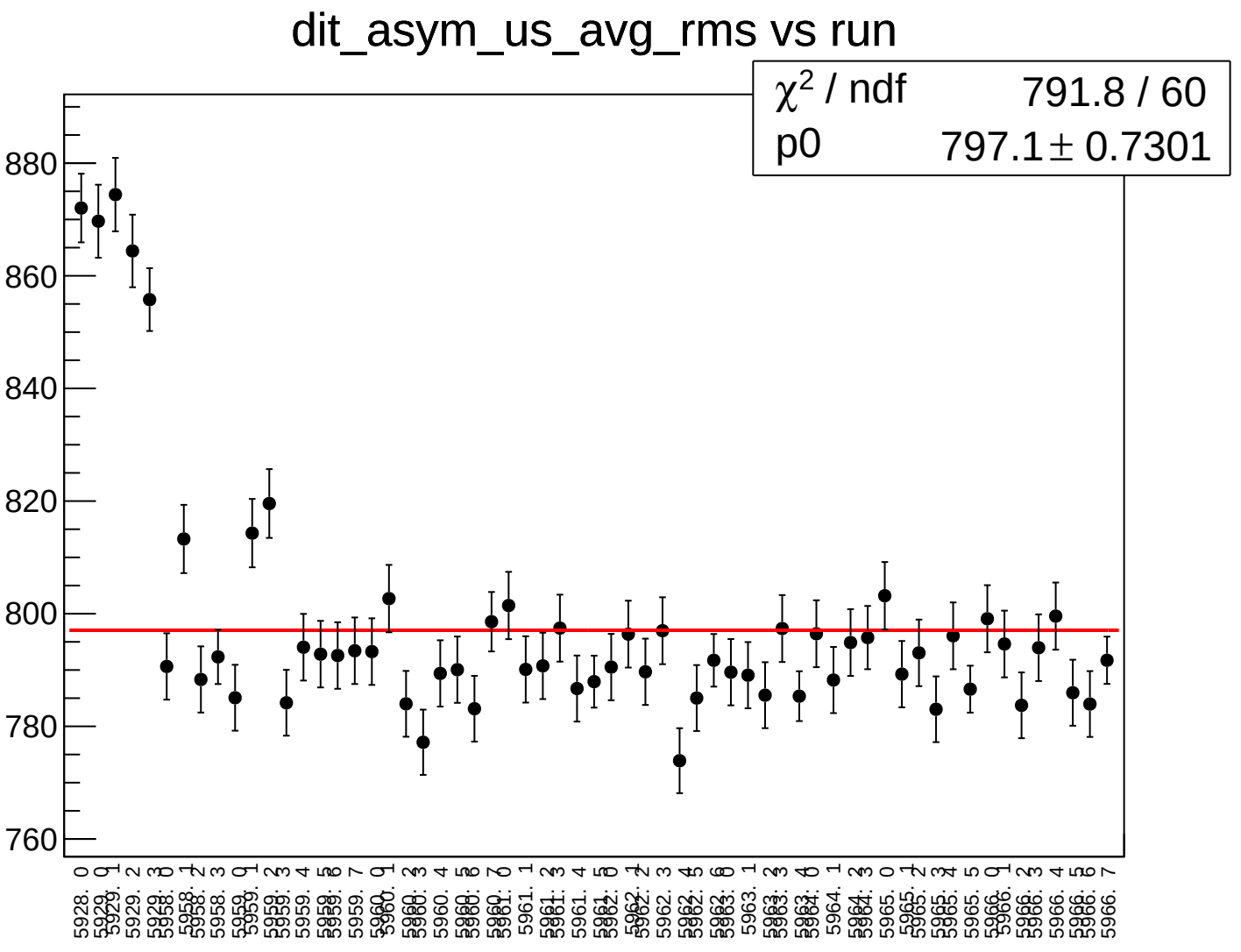

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.18 / 60
p0 −257.2 ± 1532
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 6.386
Std Dev 0
3
2
1
0
−1
−2

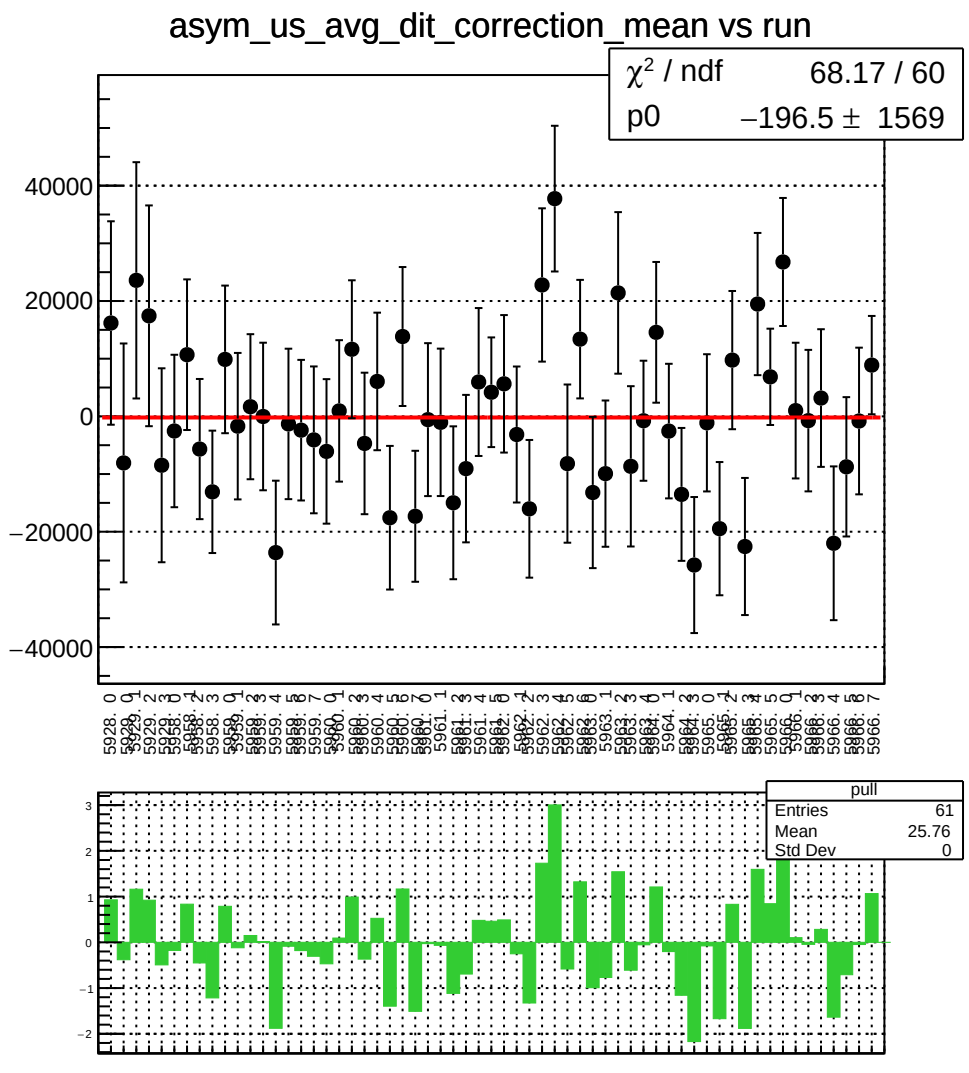

pull1D
Entries 61
Mean −0.004455
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

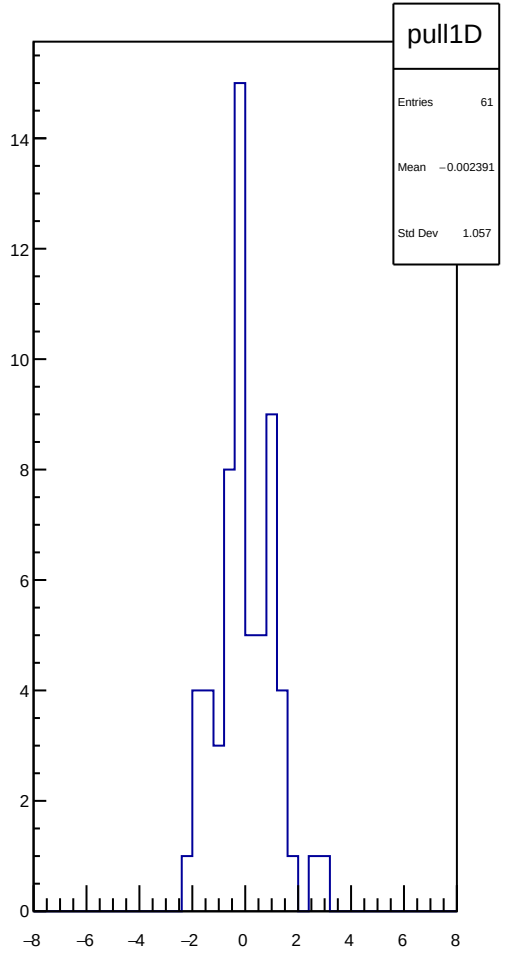

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.328e+04 / 60
p0 1177 ± 1.083
1800
1700
1600
1500
1400
1300
1200
1100
1000

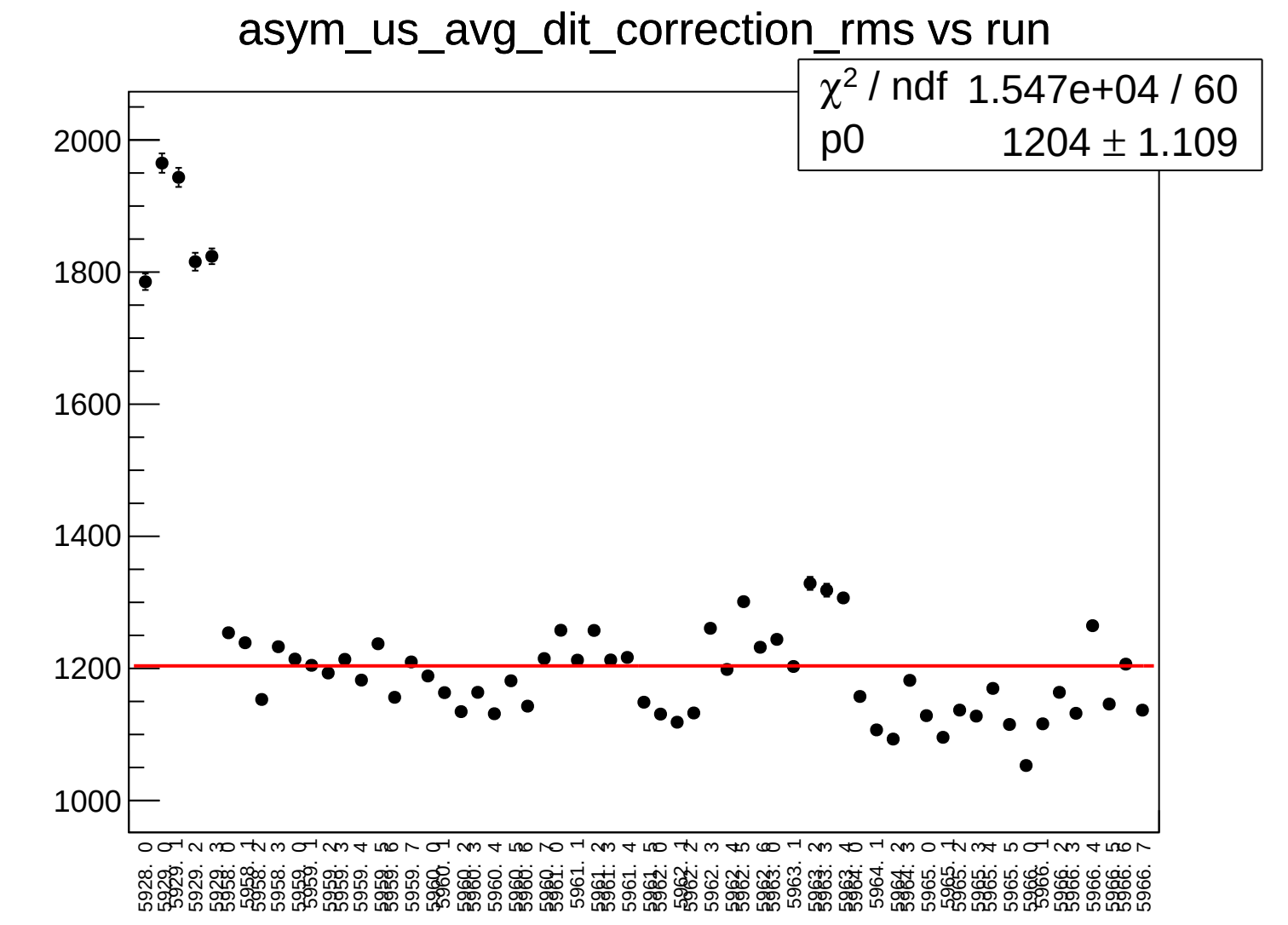

dit_asym_us_avg_mean vs run
χ² / ndf 46.65 / 60
p0 −2523 ± 1032
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −476.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

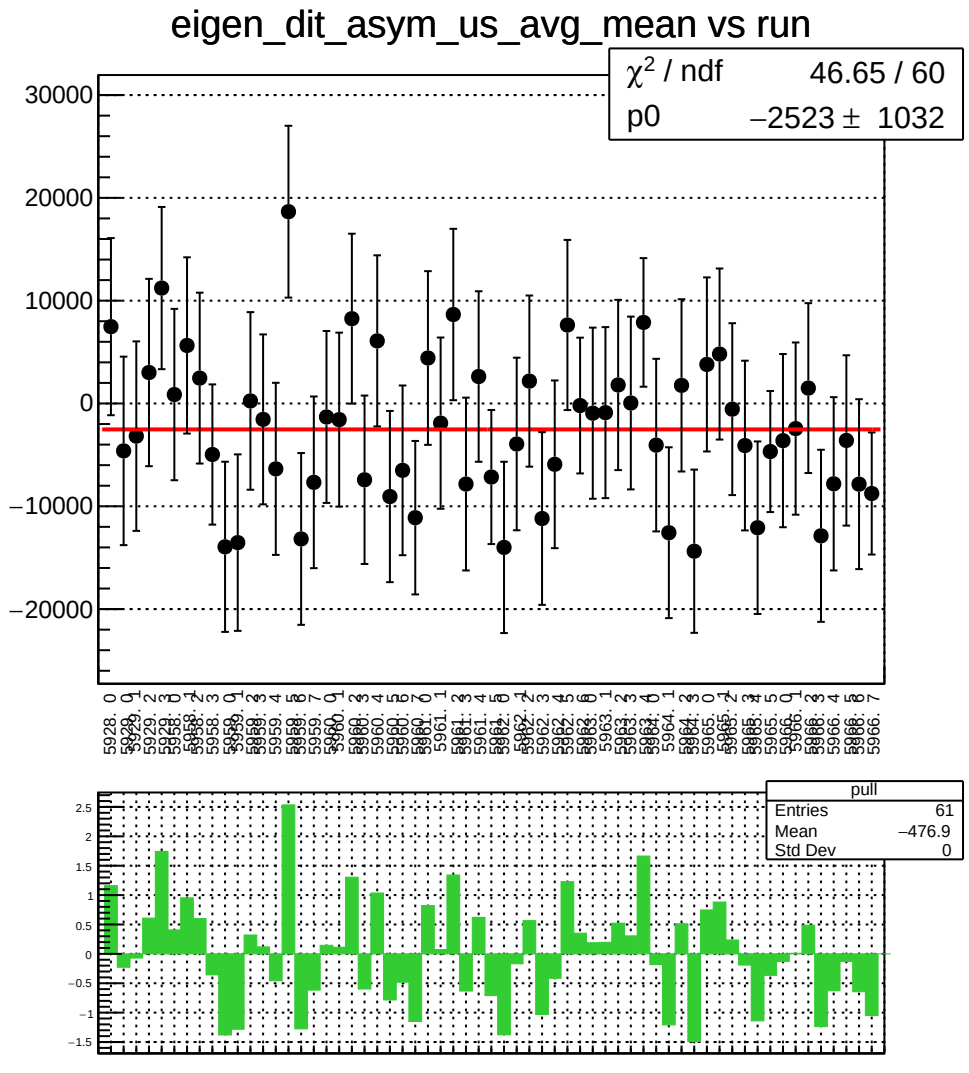

pull1D
Entries 61
Mean 0.006265
Std Dev 0.8745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

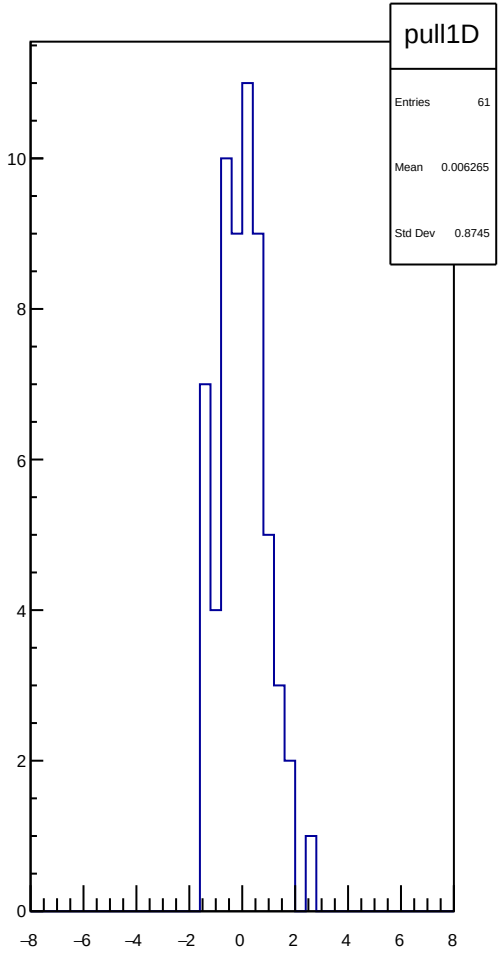

dit_asym_us_avg_rms vs run
χ² / ndf 791.8 / 60
p0 797.1 ± 0.7301
880
860
840
820
800
780
760

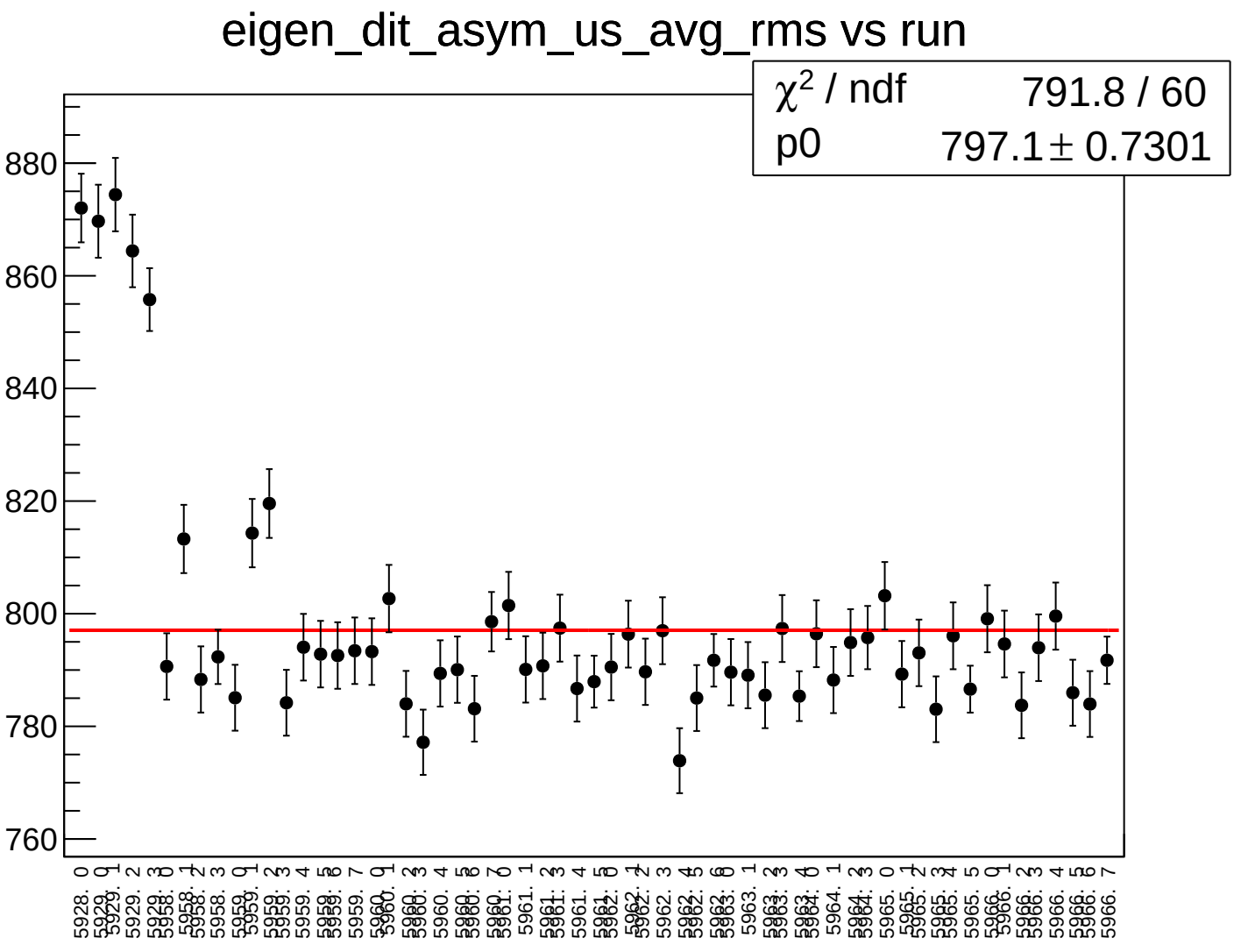

asym_us_avg_dit_correction_mean vs run
χ² / ndf 68.17 / 60
p0 −196.5 ± 1569
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 25.76
Std Dev 0
3
2
1
0
−1
−2

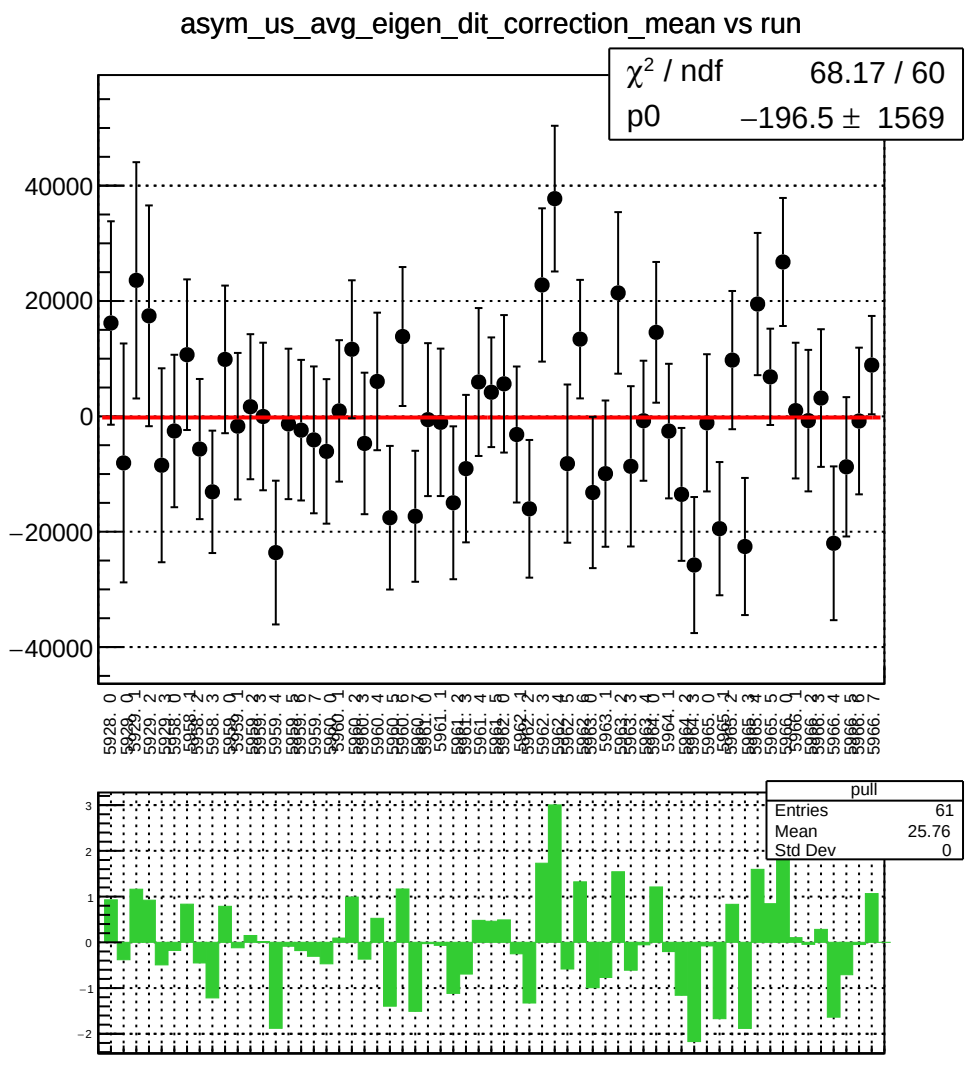

pull1D
Entries 61
Mean −0.002391
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

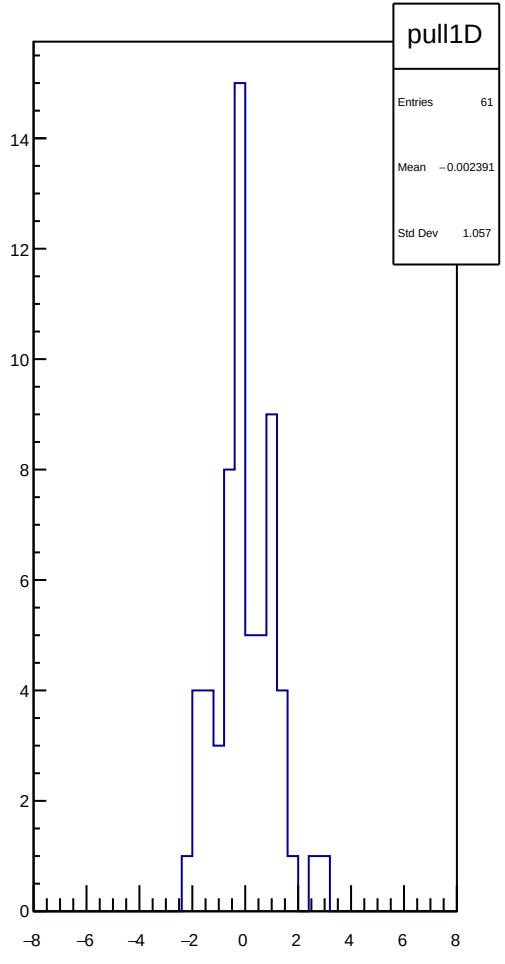

asym_us_avg_dit_correction_rms vs run
χ² / ndf 1.547e+04 / 60
p0 1204 ± 1.109
2000
1800
1600
1400
1200
1000

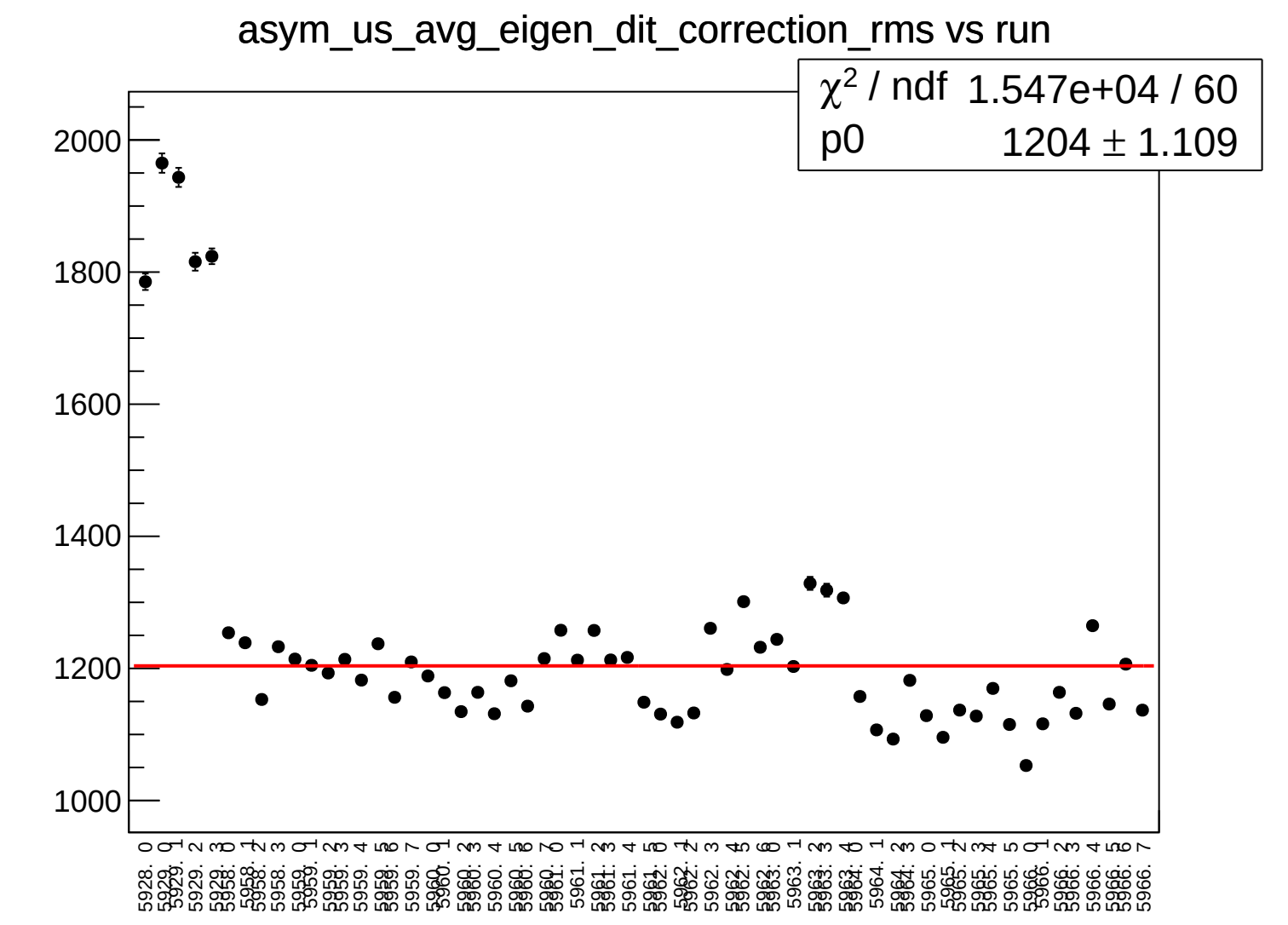

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 46.65 / 60
p0 −2523 ± 1032
pull
Entries 61
Mean −476.9
Std Dev 0

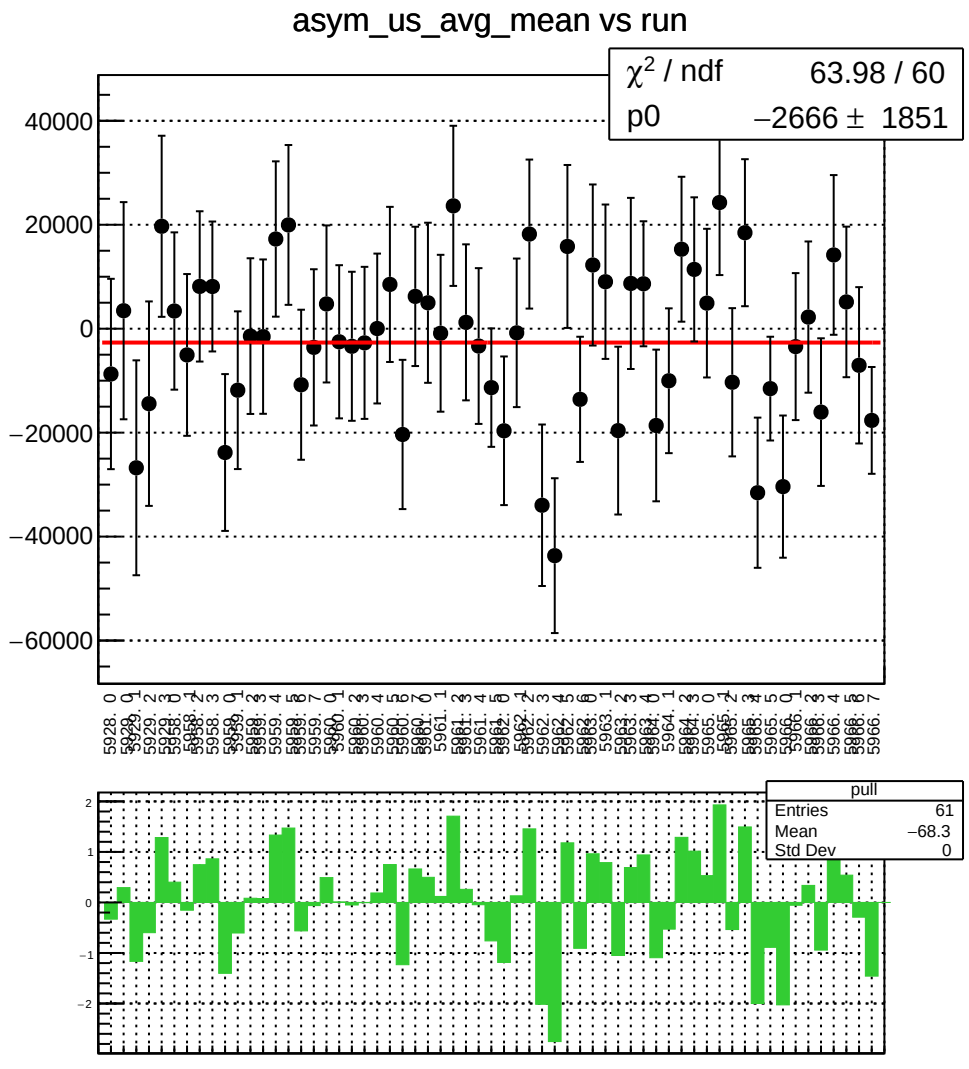

pull1D
Entries 61
Mean 0.006265
Std Dev 0.8745

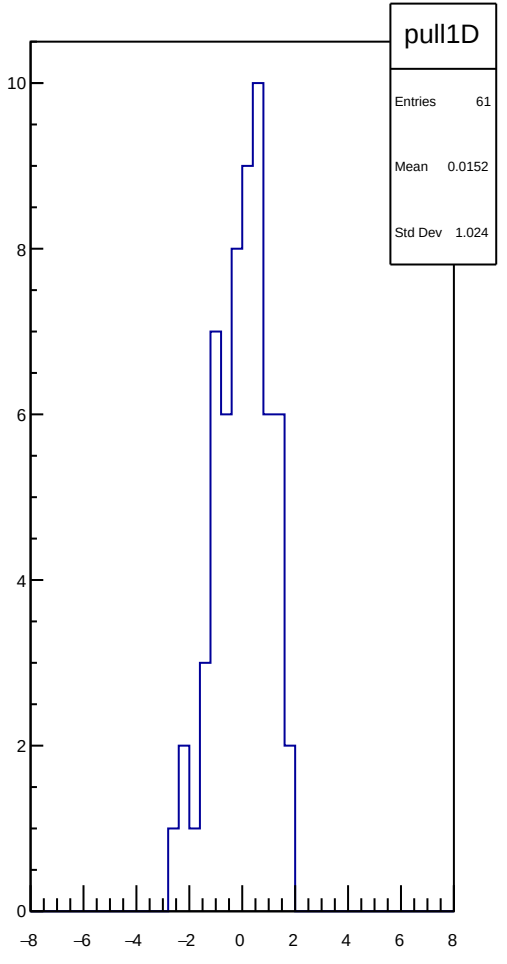

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 791.8 / 60
p0 797.1 ± 0.7301
880
860
840
820
800
780
760

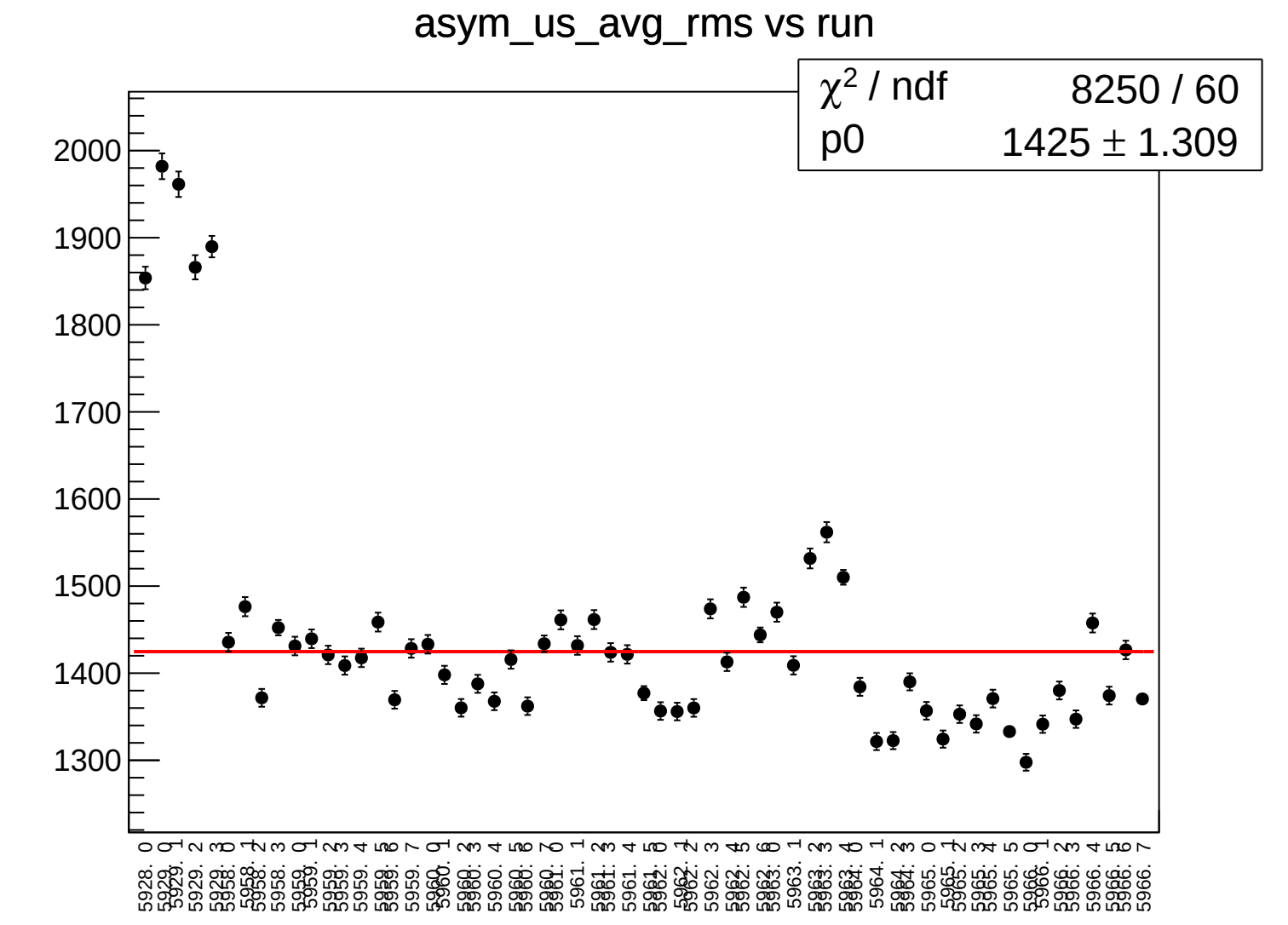

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.17 / 60
p0 −196.5 ± 1569
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 25.76
Std Dev 0
3
2
1
0
−1
−2

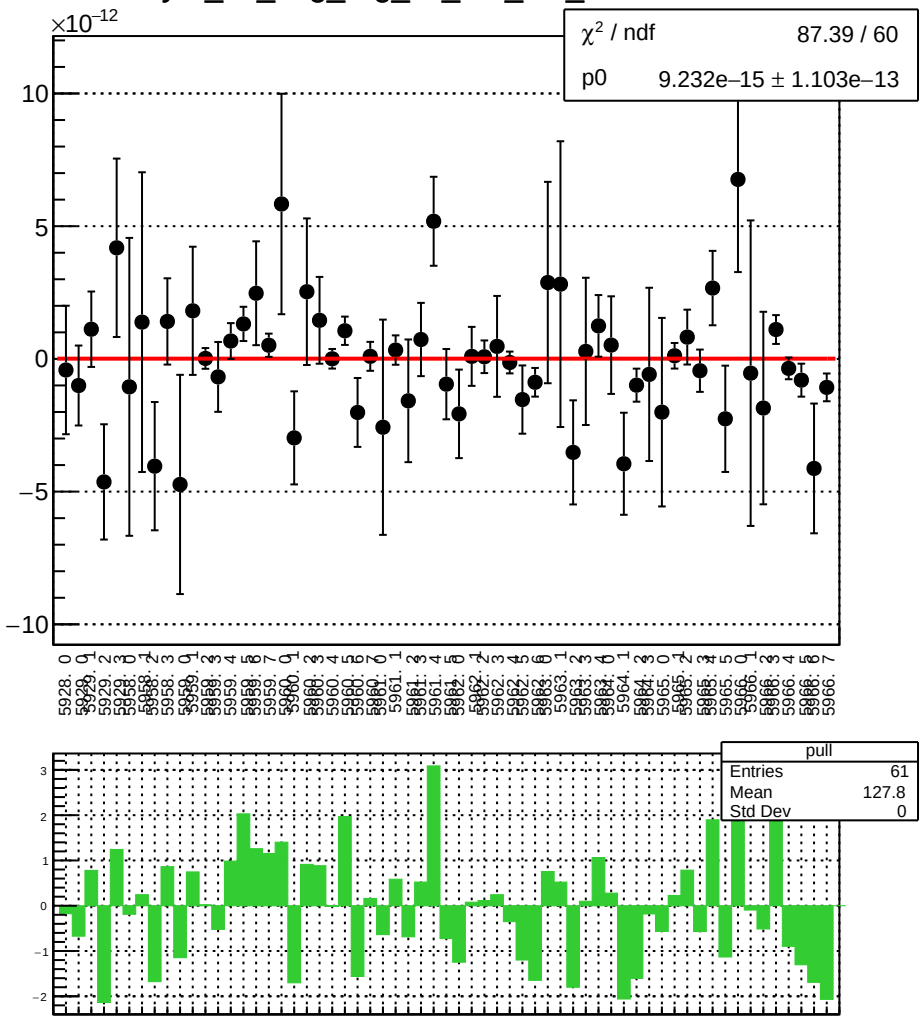

pull1D
Entries 61
Mean −0.002391
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

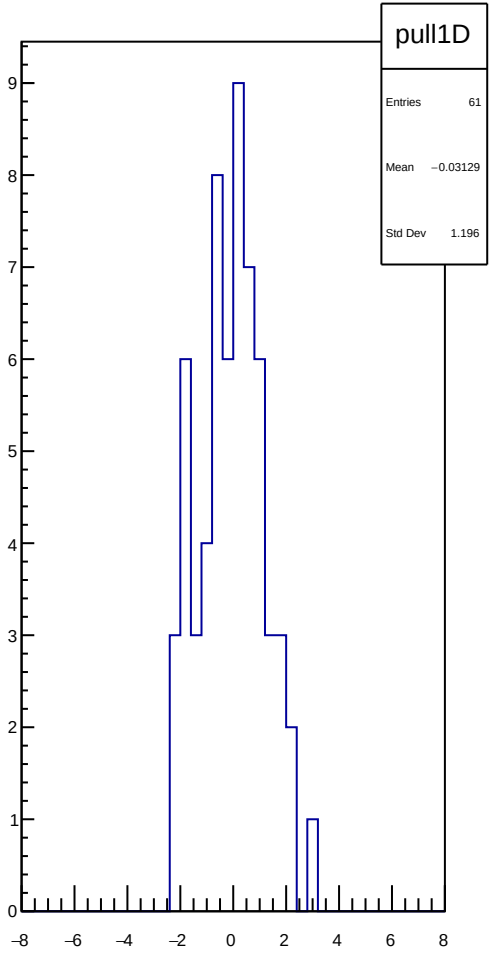

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.547e+04 / 60
p0 1204 ± 1.109
2000
1800
1600
1400
1200
1000

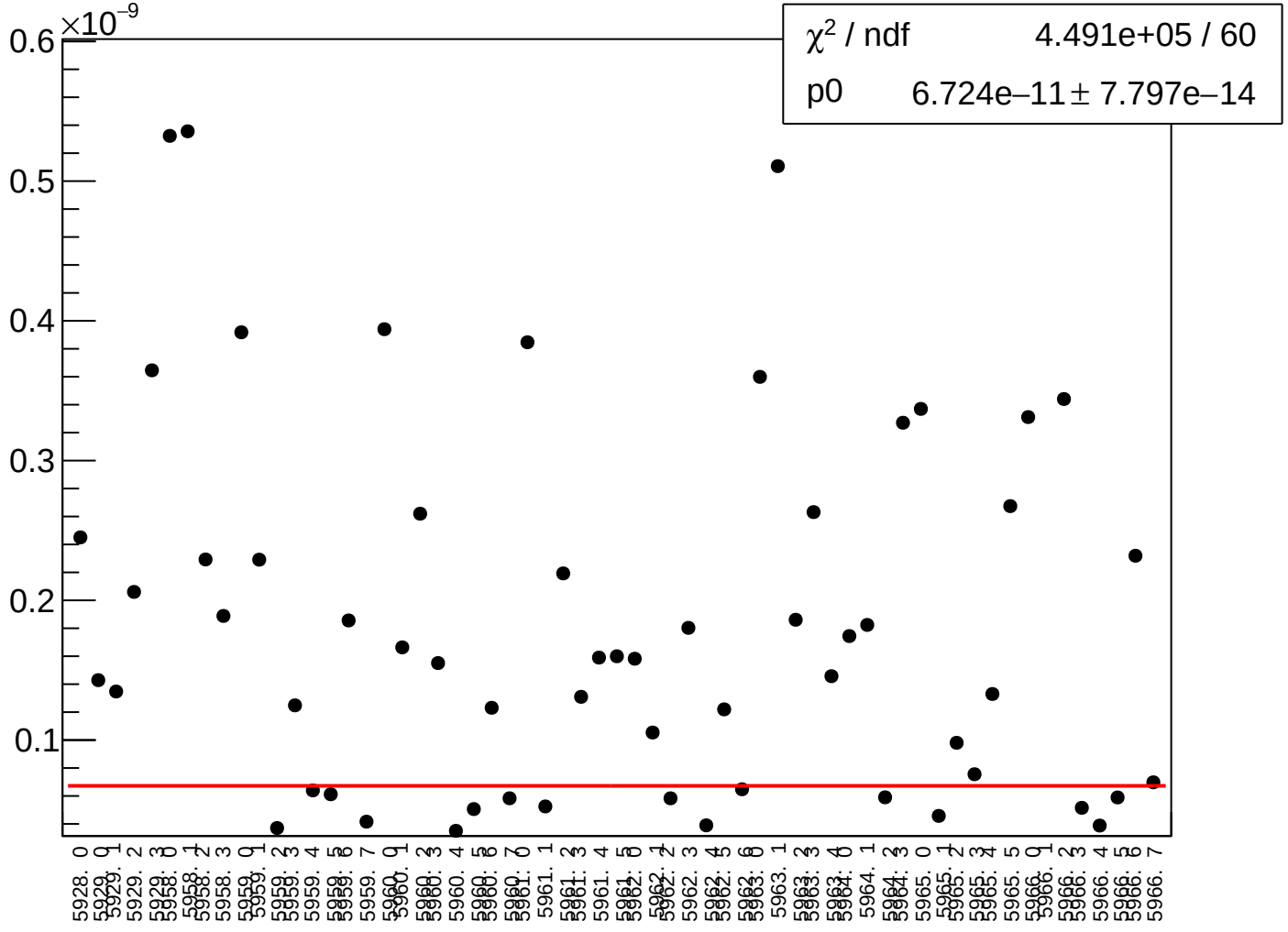

asym_us_avg_mean vs run
χ² / ndf 63.98 / 60
p0 −2666 ± 1851
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −68.3
Std Dev 0
2
1
0
−1
−2

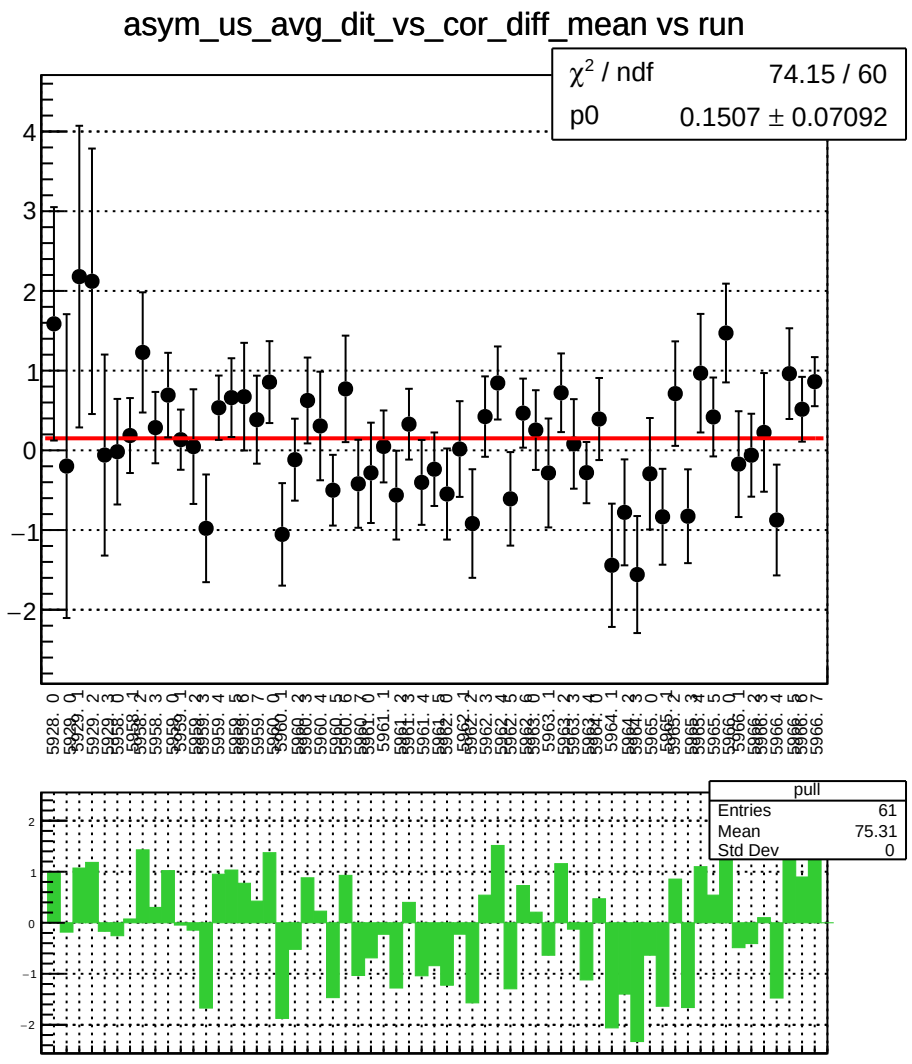

pull1D
Entries 61
Mean 0.0152
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

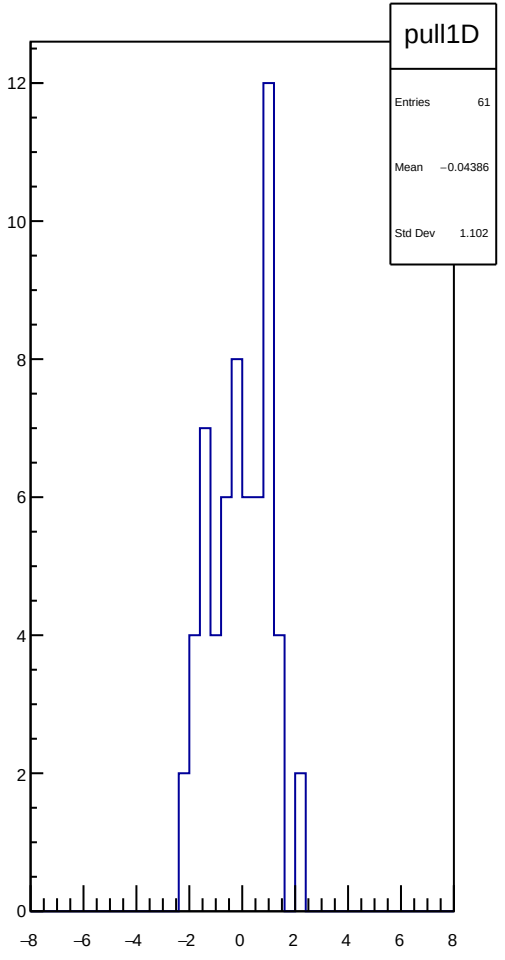

asym_us_avg_rms vs run
χ^2 / ndf 8250 / 60
p0 1425 ± 1.309
2000
1900
1800
1700
1600
1500
1400
1300

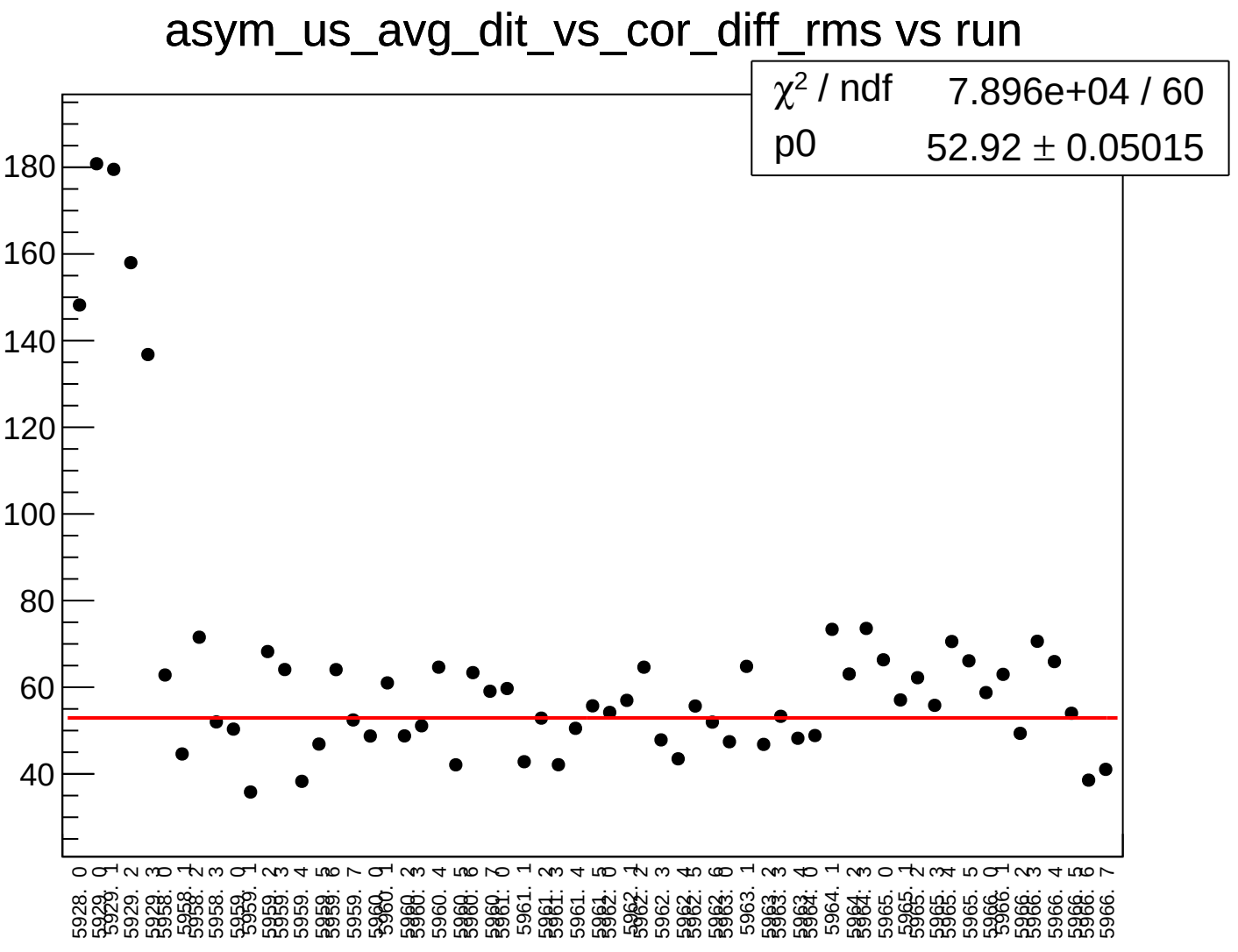

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.39 / 60
p0 9.232e−15 ± 1.103e−13
pull
Entries 61
Mean 127.8
Std Dev 0

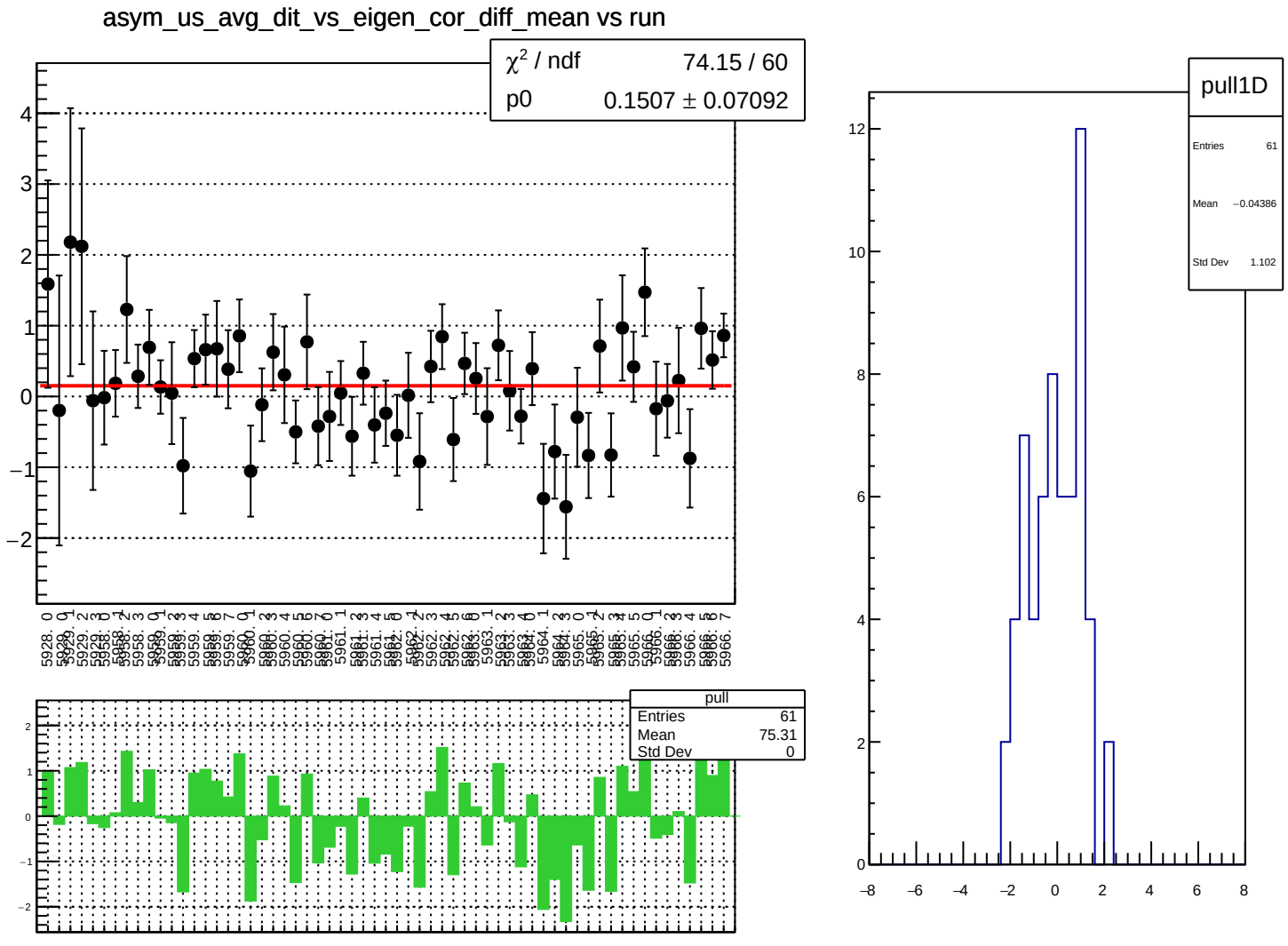

pull1D
Entries 61
Mean −0.03129
Std Dev 1.196

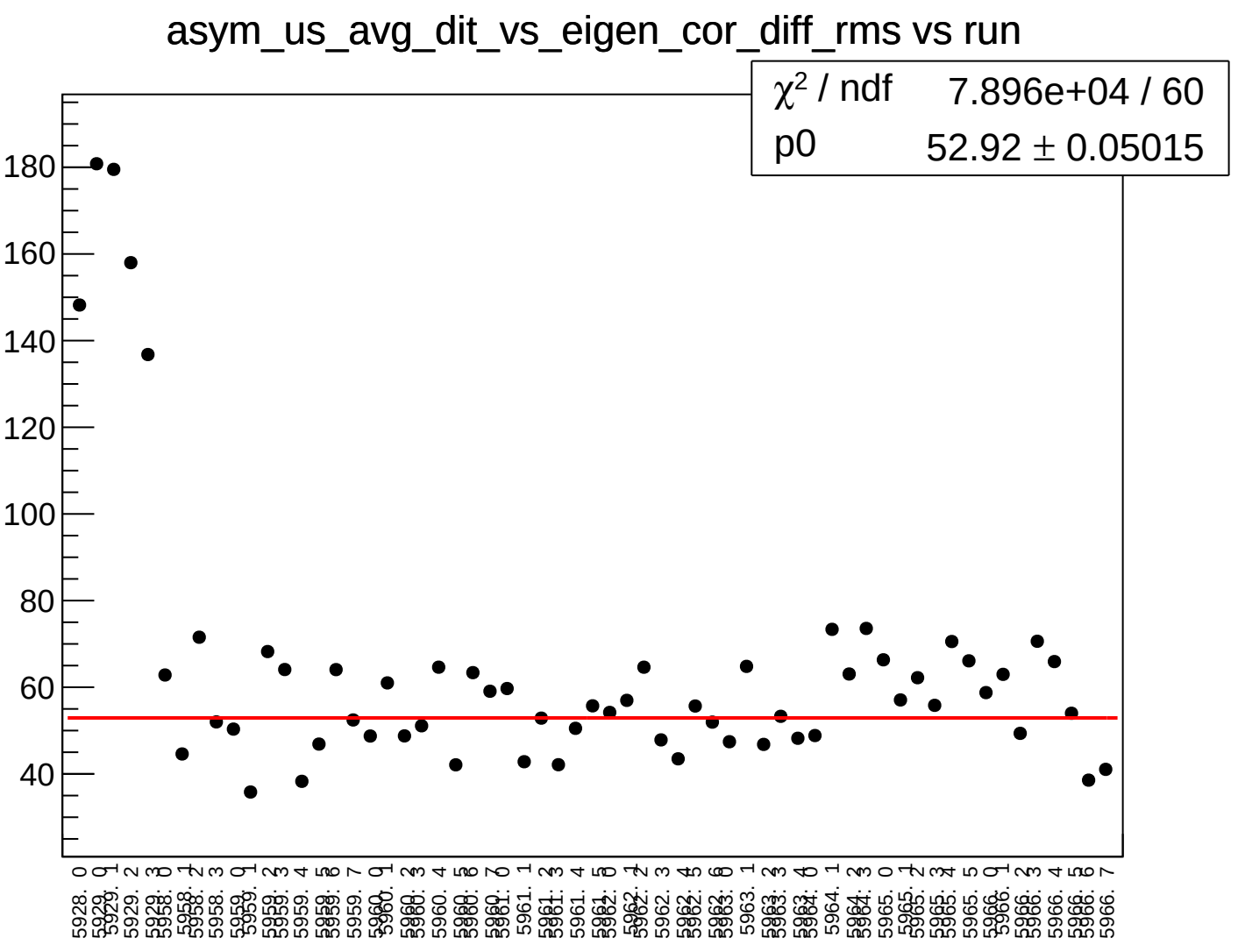

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
χ² / ndf 4.491e+05 / 60
p0 6.724e−11 ± 7.797e−14

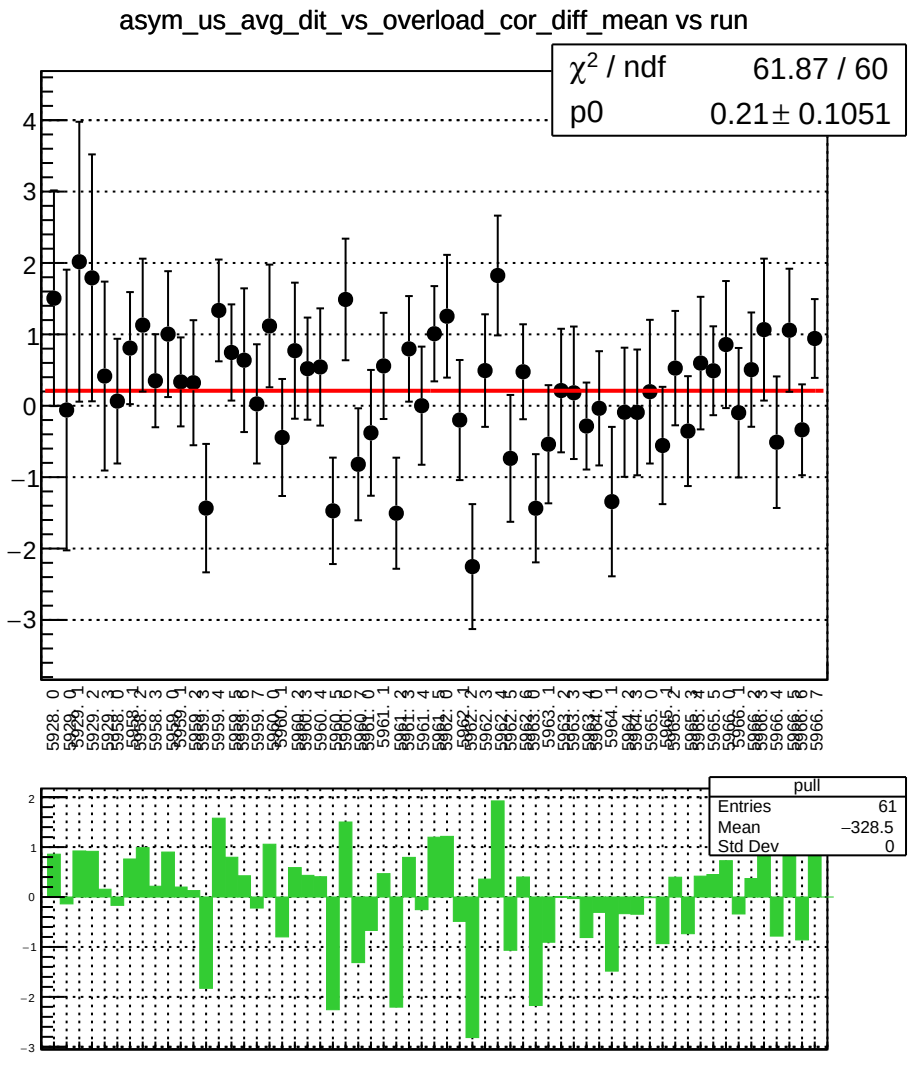

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.15 / 60
p0 0.1507 ± 0.07092
pull
Entries 61
Mean 75.31
Std Dev 0

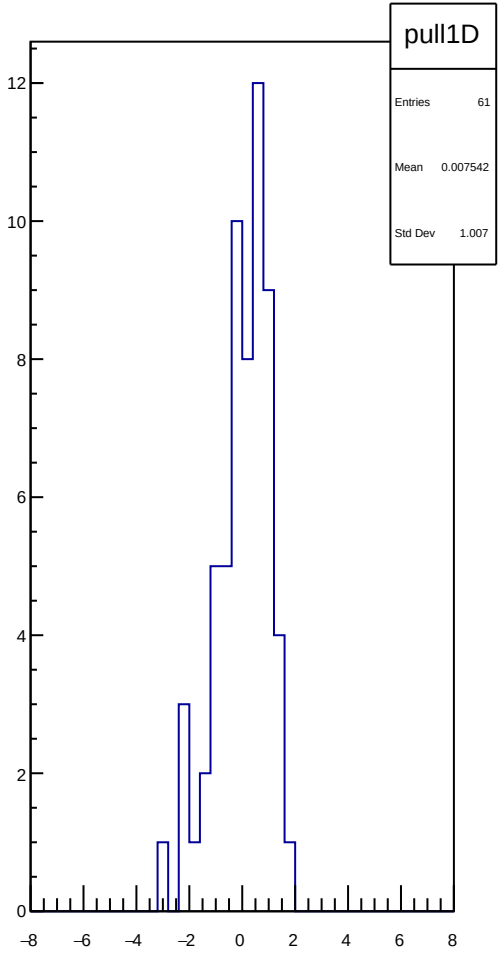

pull1D
Entries 61
Mean −0.04386
Std Dev 1.102

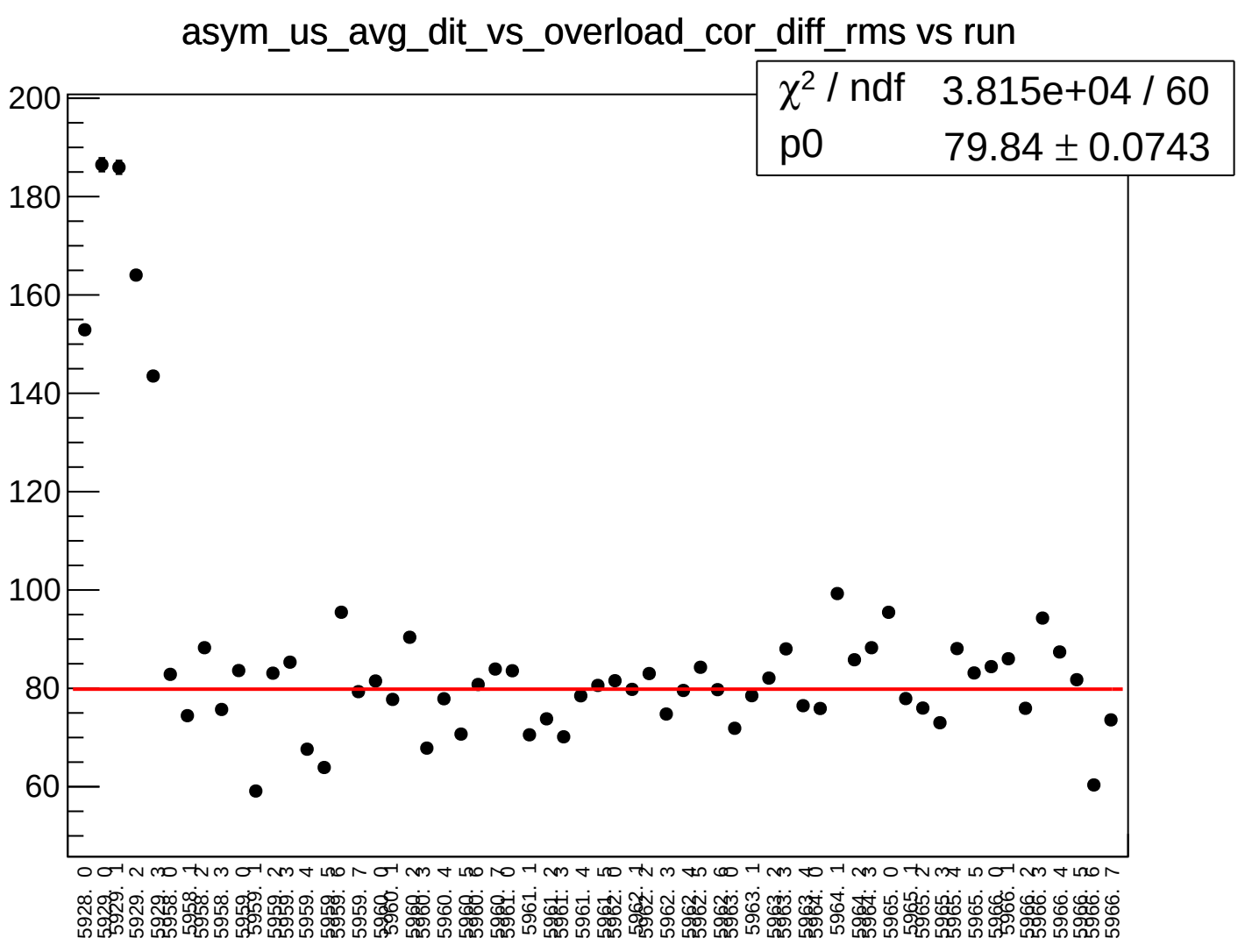

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.896e+04 / 60
p0 52.92 ± 0.05015
180
160
140
120
100
80
60
40

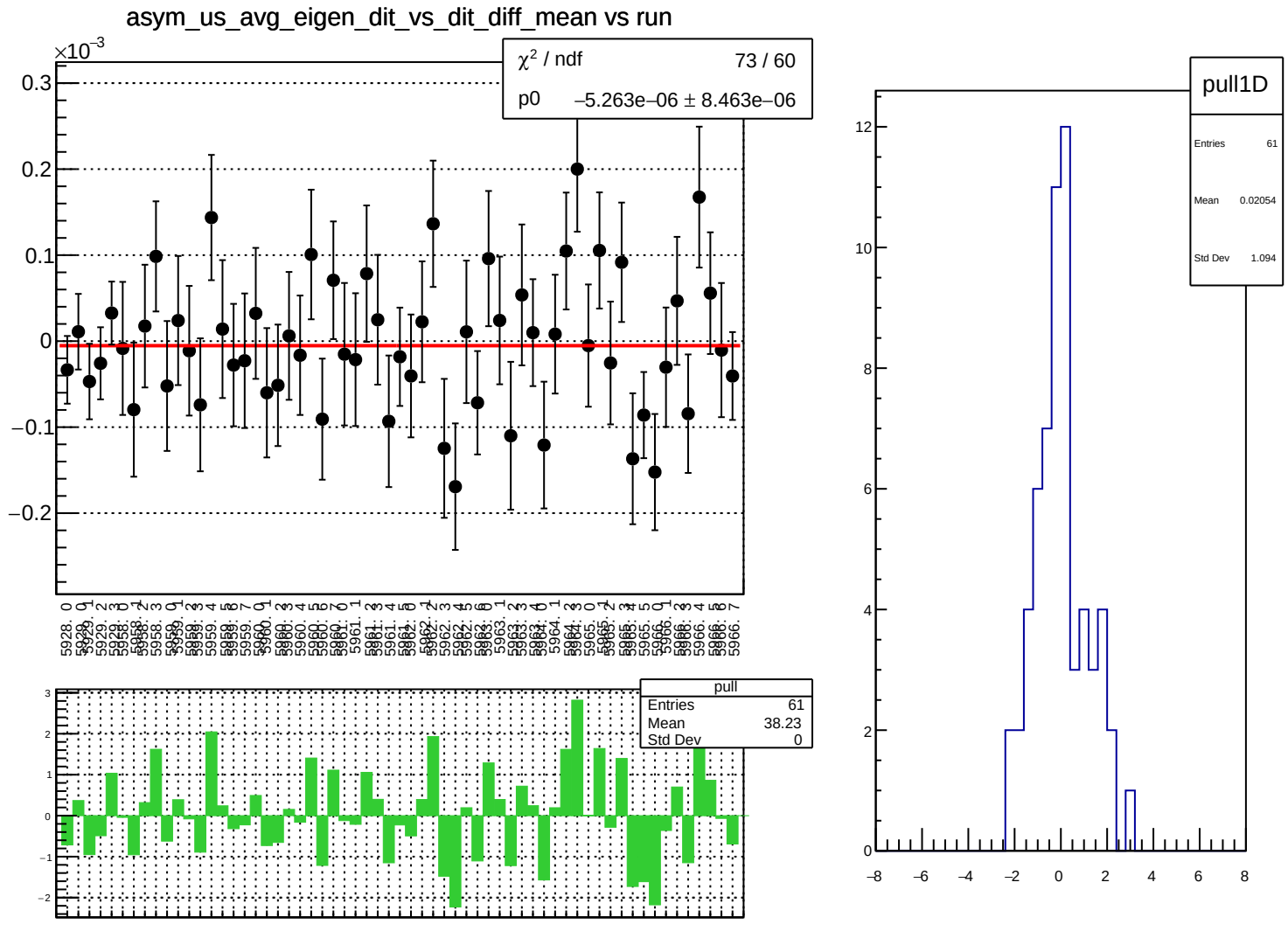

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.15 / 60
p0 0.1507 ± 0.07092
pull
Entries 61
Mean 75.31
Std Dev 0
pull1D
Entries 61
Mean −0.04386
Std Dev 1.102

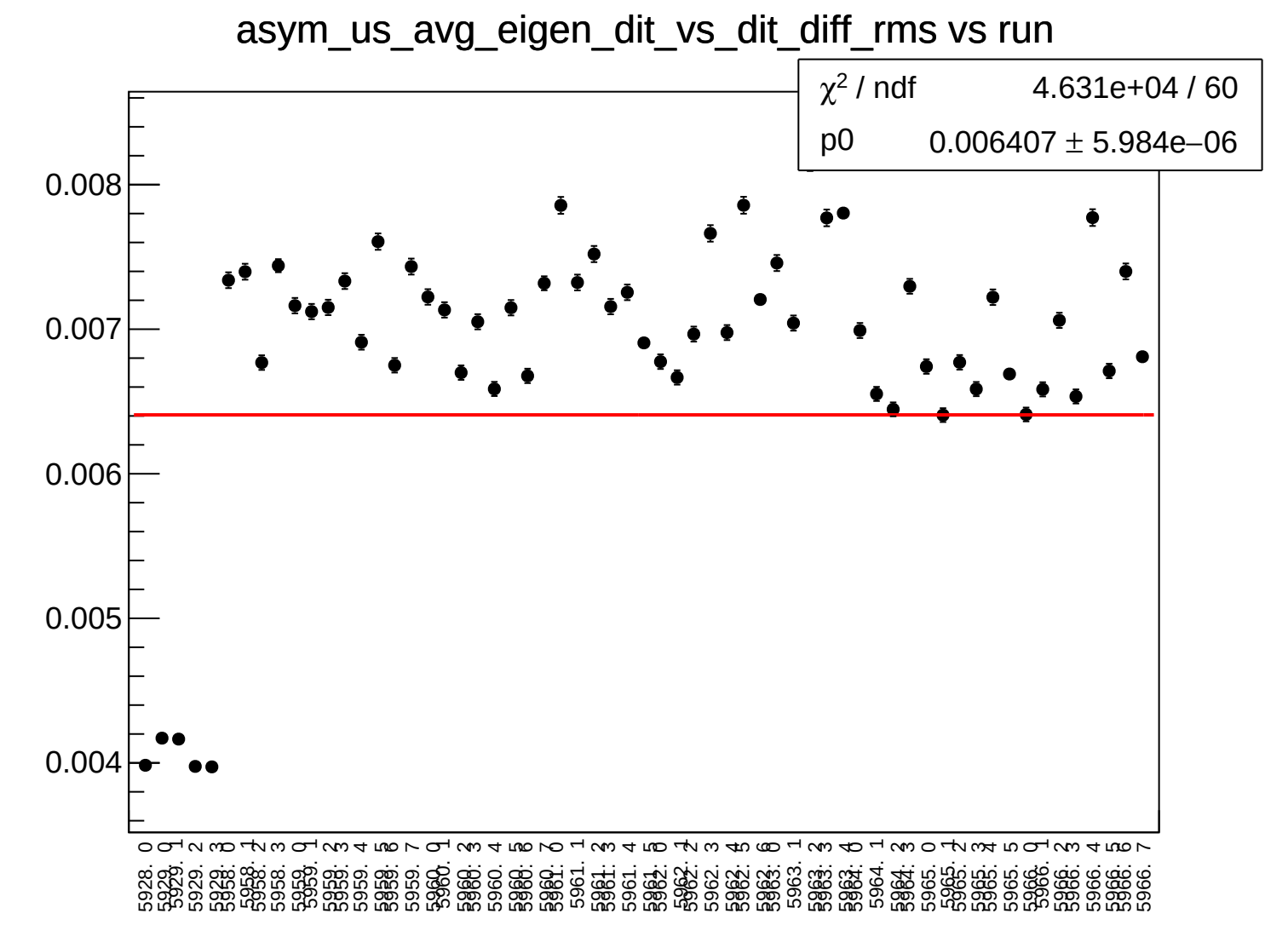

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.896e+04 / 60
p0 52.92 ± 0.05015
180
160
140
120
100
80
60
40

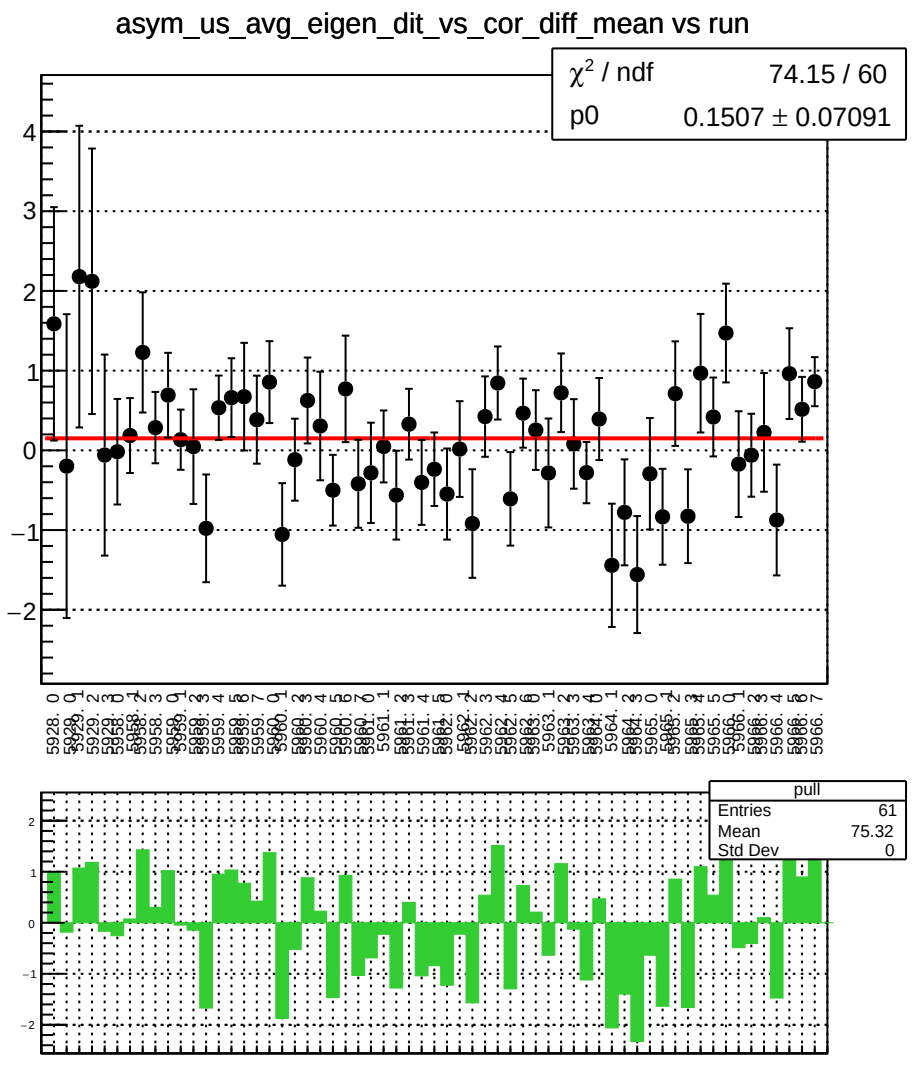

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.87 / 60
p0 0.21 ± 0.1051
pull
Entries 61
Mean −328.5
Std Dev 0

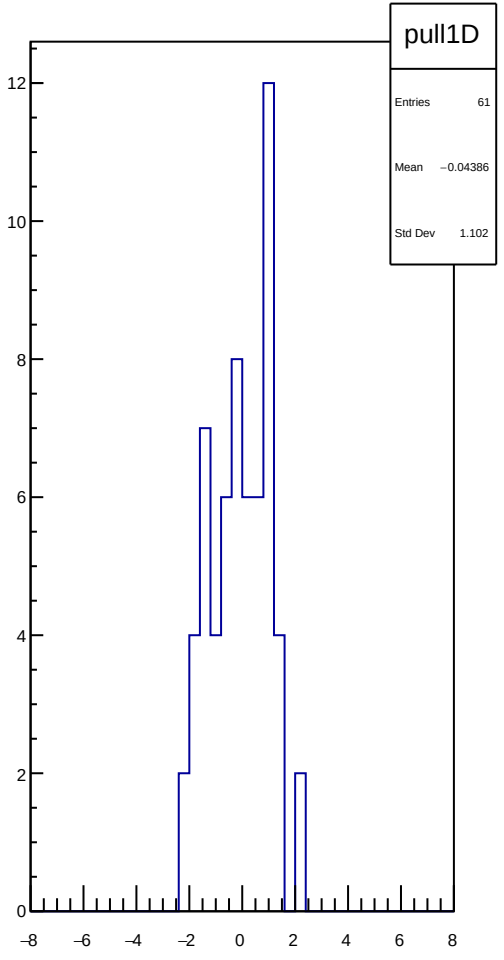

pull1D
Entries 61
Mean 0.007542
Std Dev 1.007

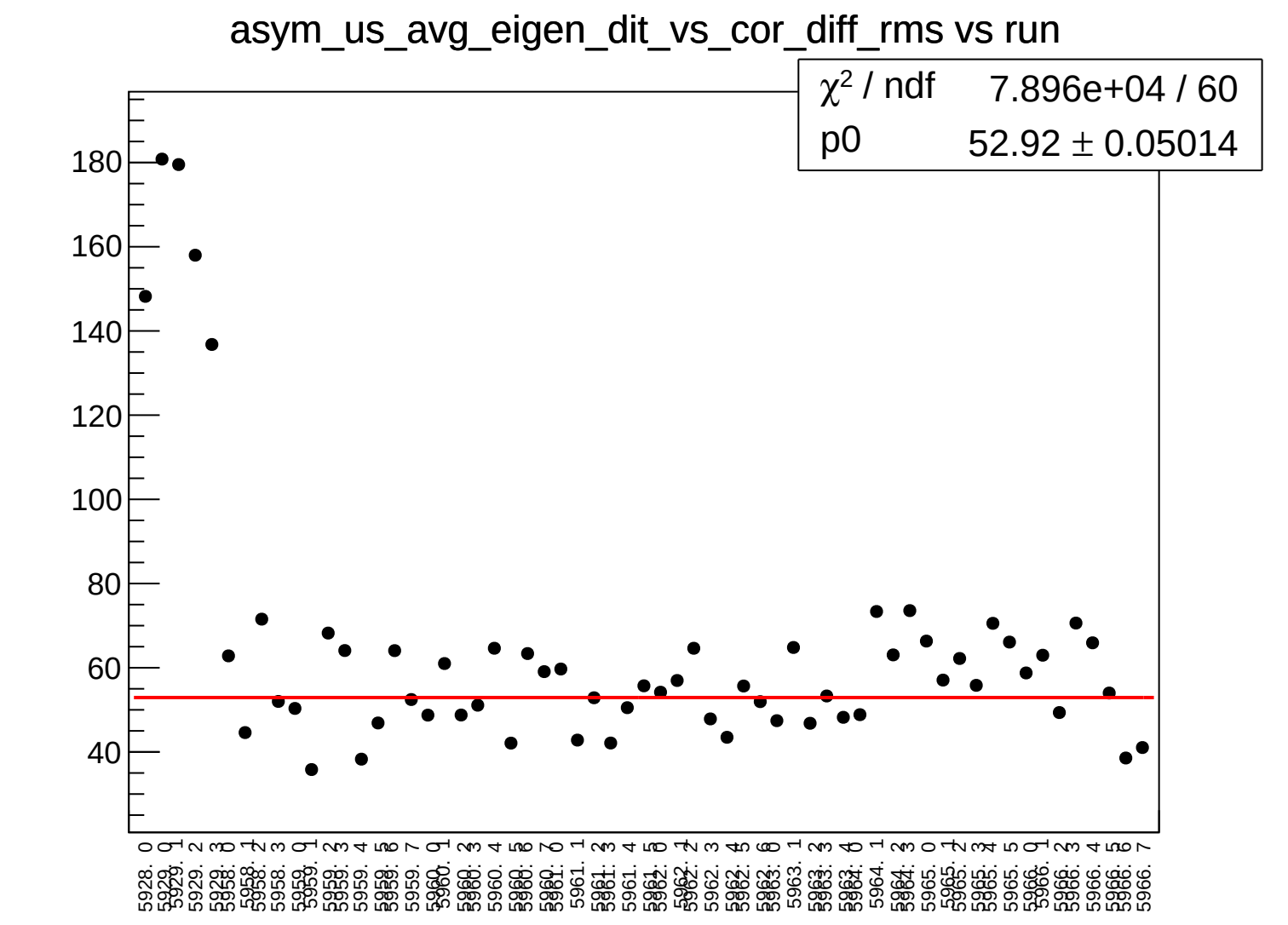

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.815e+04 / 60
p0 79.84 ± 0.0743
200
180
160
140
120
100
80
60

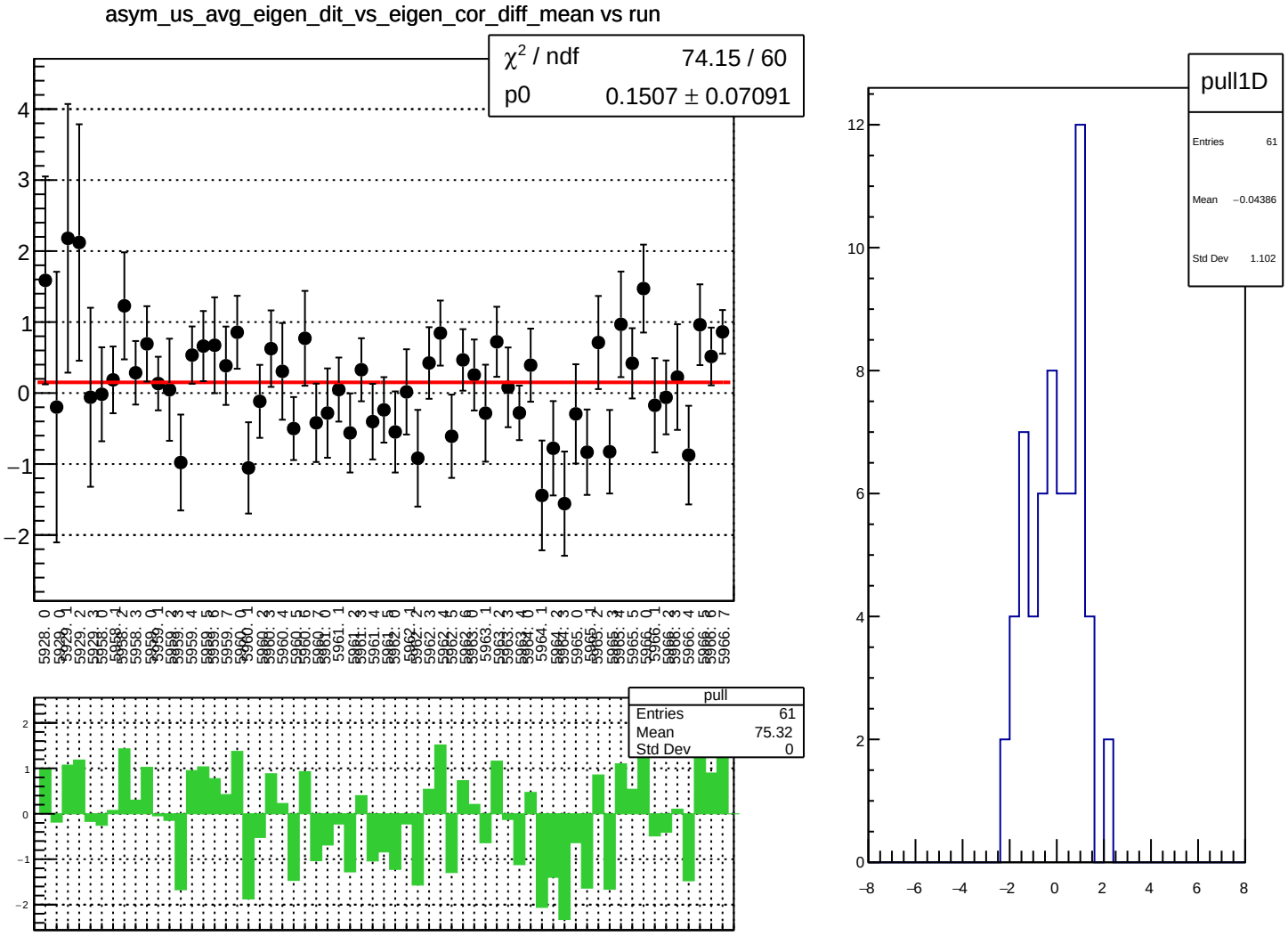

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73 / 60
p0 −5.263e−06 ± 8.463e−06
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 61
Mean 38.23
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.02054
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

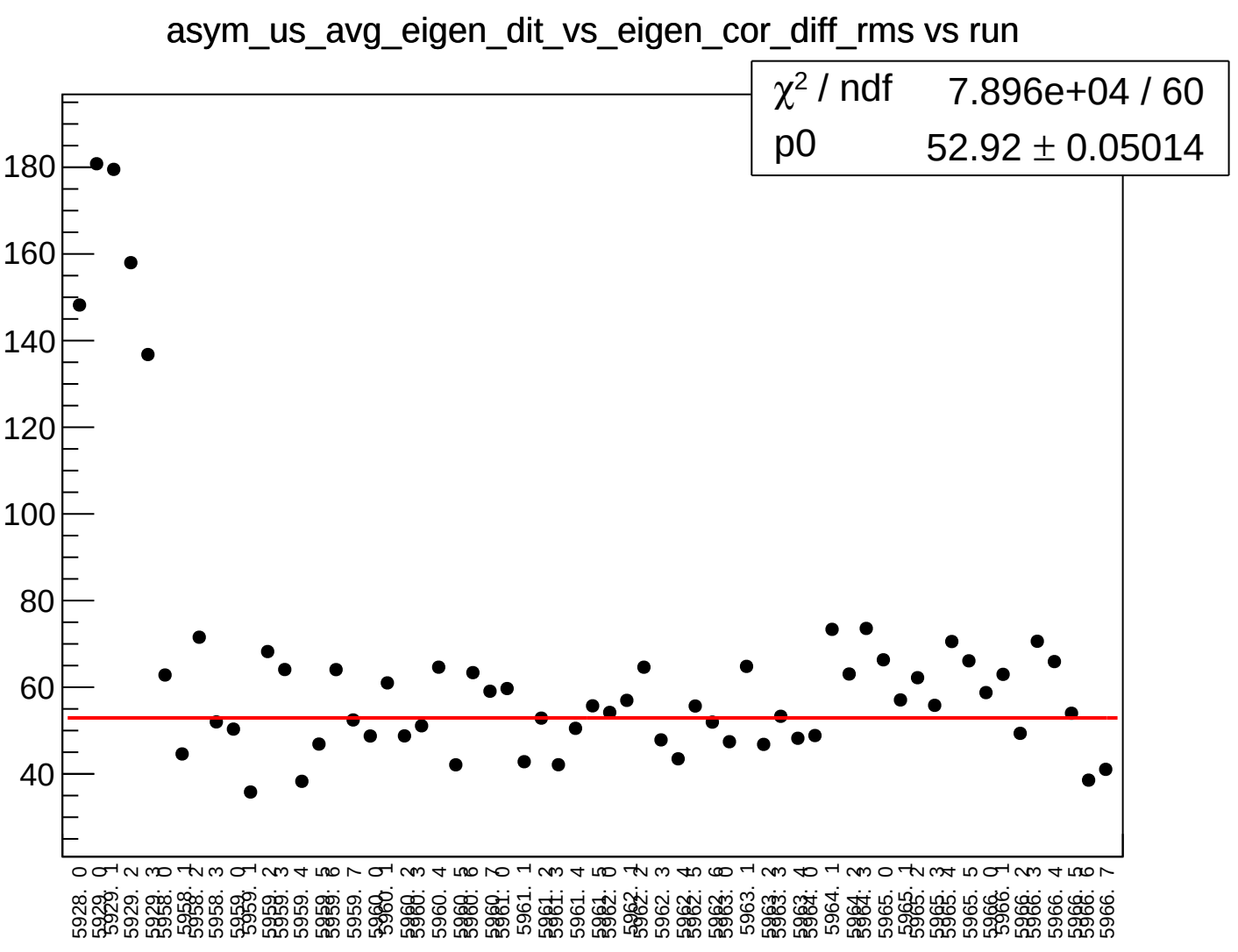

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.631e+04 / 60
p0 0.006407 ± 5.984e−06
0.008
0.007
0.006
0.005
0.004

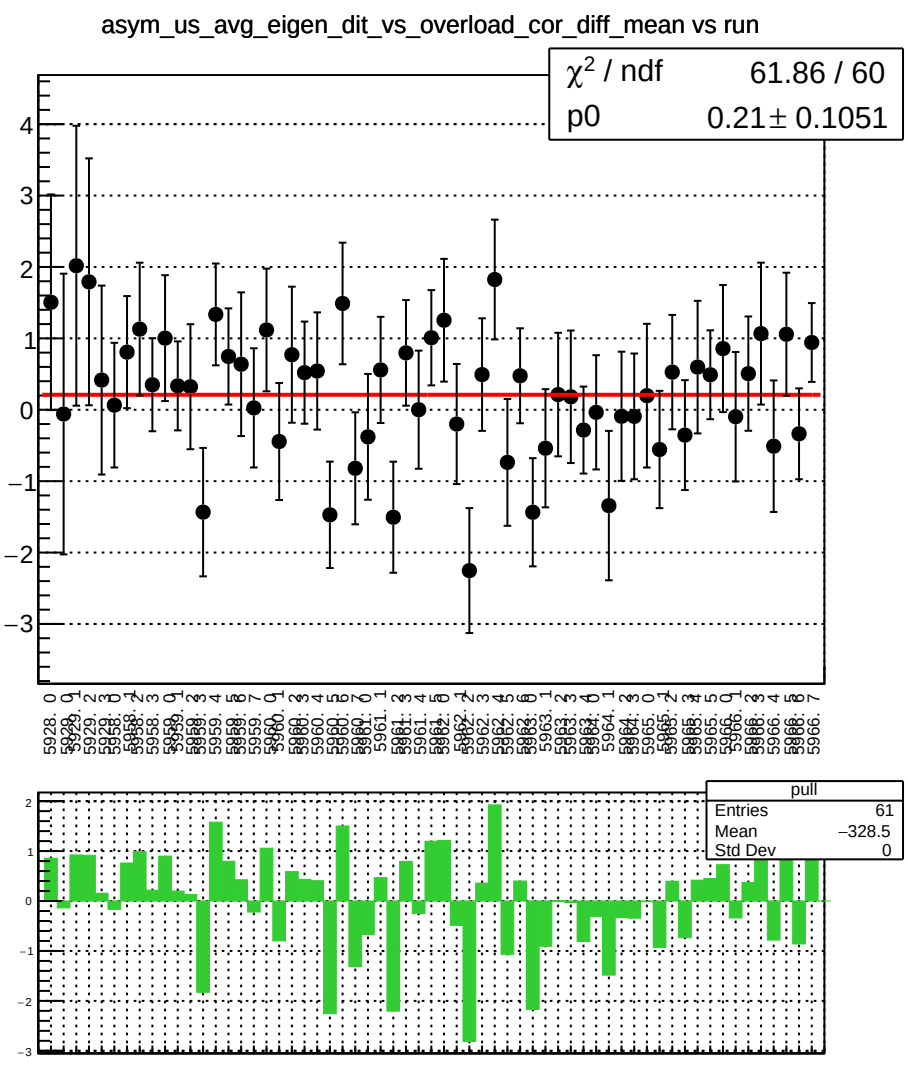

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.15 / 60
p0 0.1507 ± 0.07091
pull
Entries 61
Mean 75.32
Std Dev 0

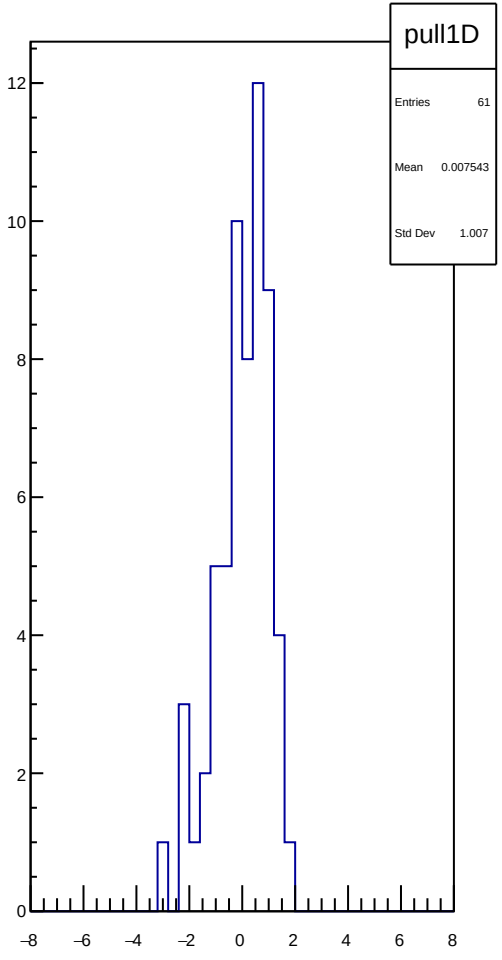

pull1D
Entries 61
Mean −0.04386
Std Dev 1.102

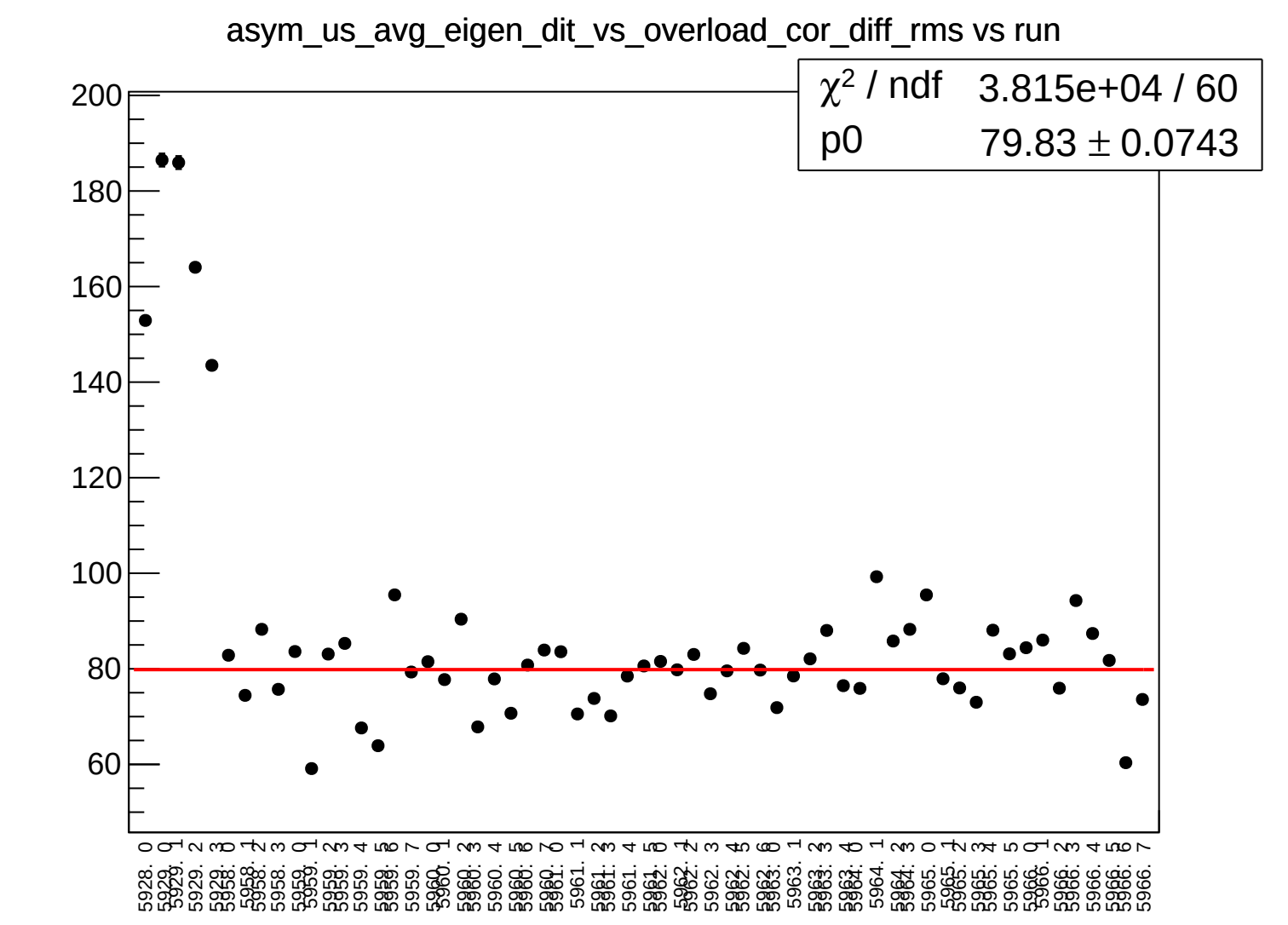

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.896e+04 / 60
p0 52.92 ± 0.05014
180
160
140
120
100
80
60
40

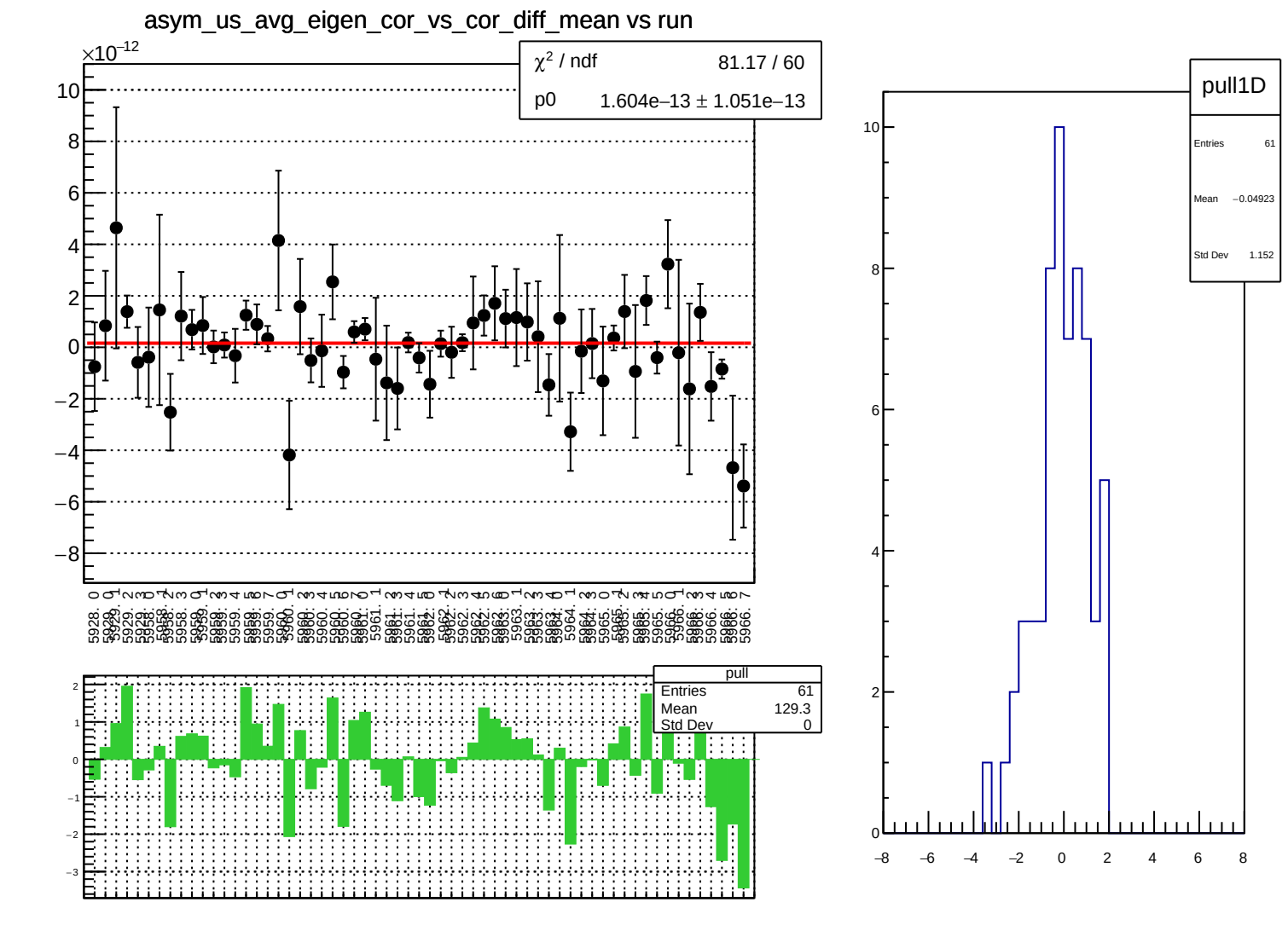

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.15 / 60
p0 0.1507 ± 0.07091
pull
Entries 61
Mean 75.32
Std Dev 0
pull1D
Entries 61
Mean −0.04386
Std Dev 1.102

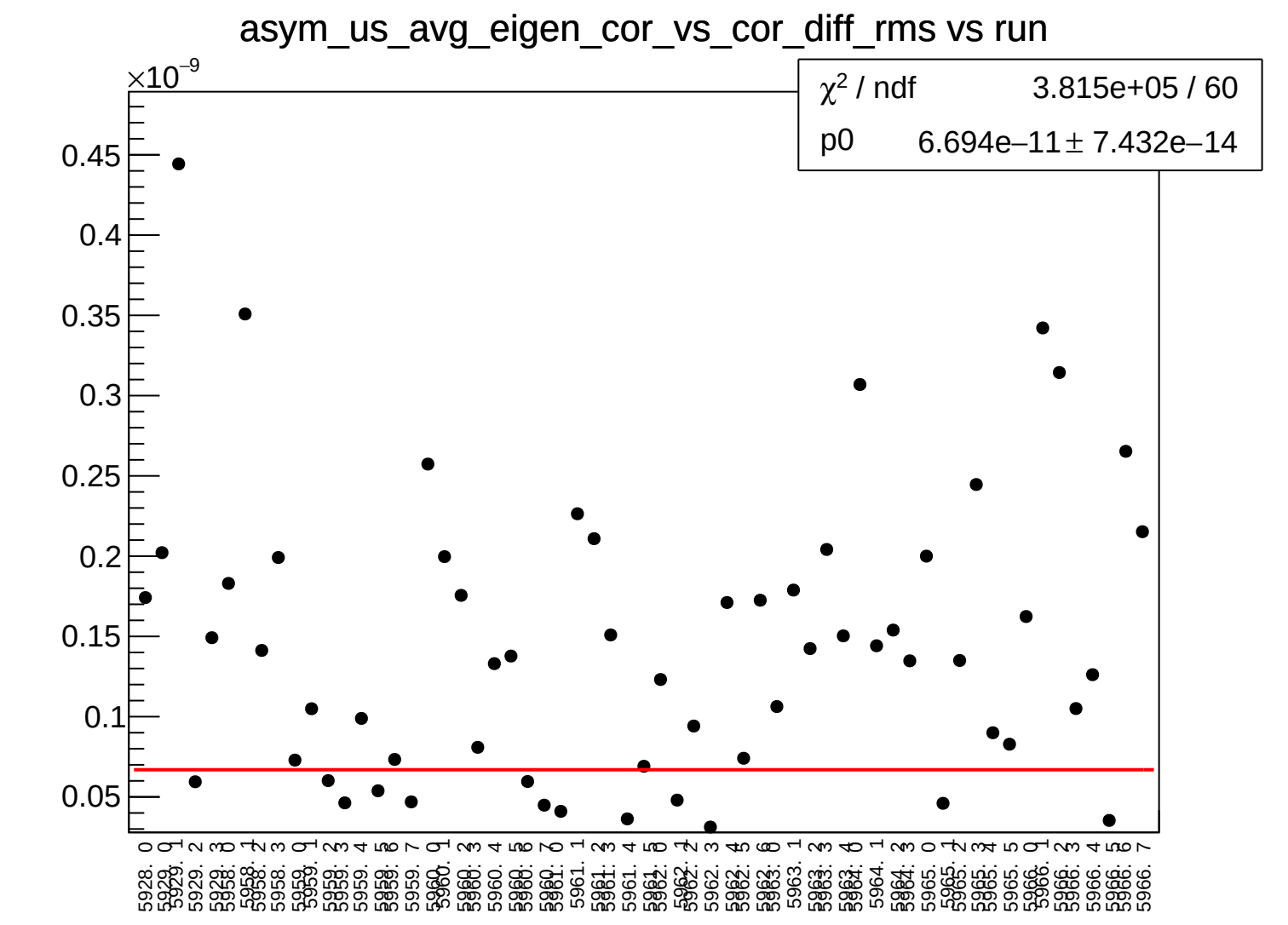

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.896e+04 / 60
p0 52.92 ± 0.05014
180
160
140
120
100
80
60
40

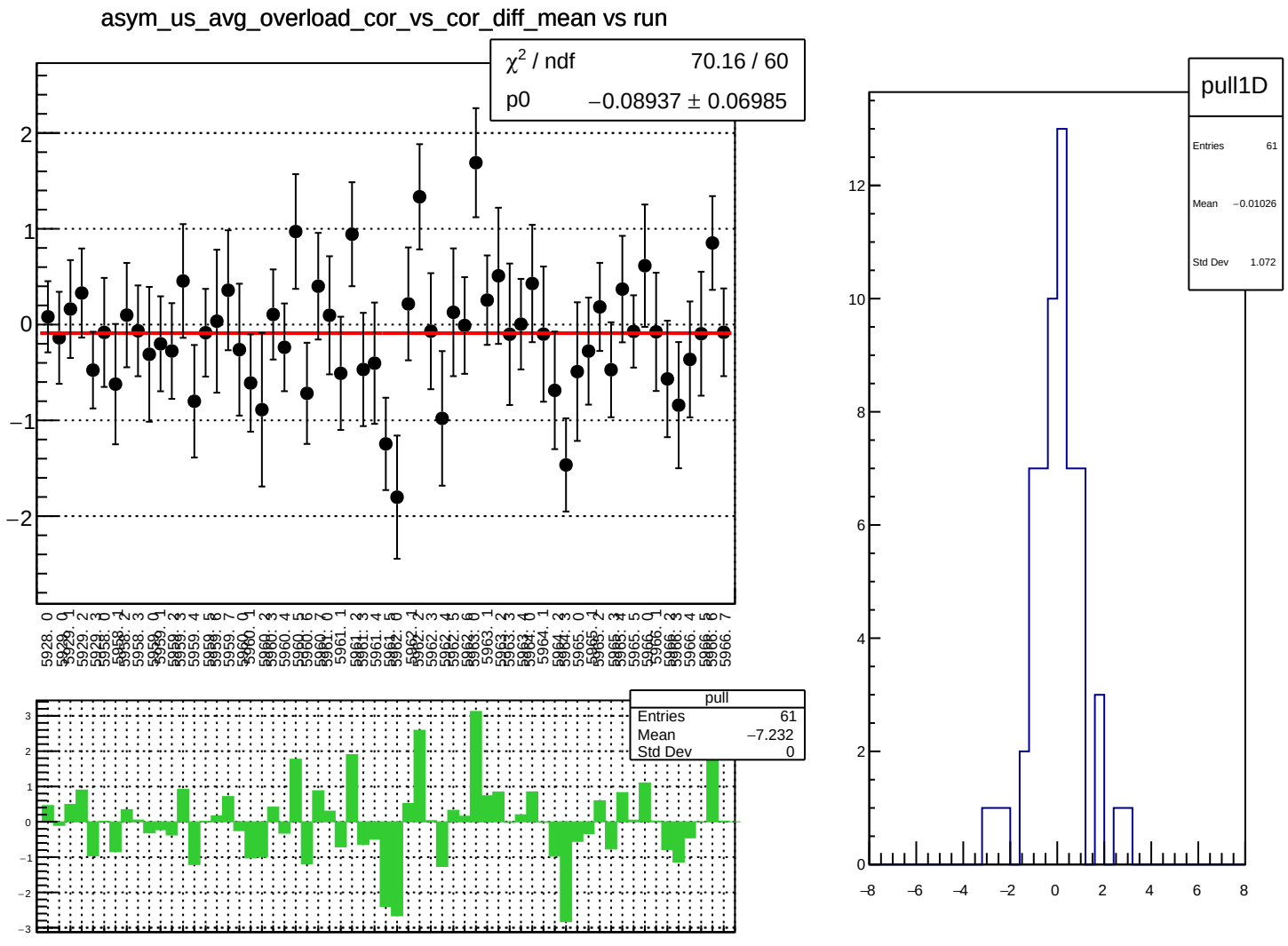

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.86 / 60
p0 0.21 ± 0.1051
pull
Entries 61
Mean −328.5
Std Dev 0

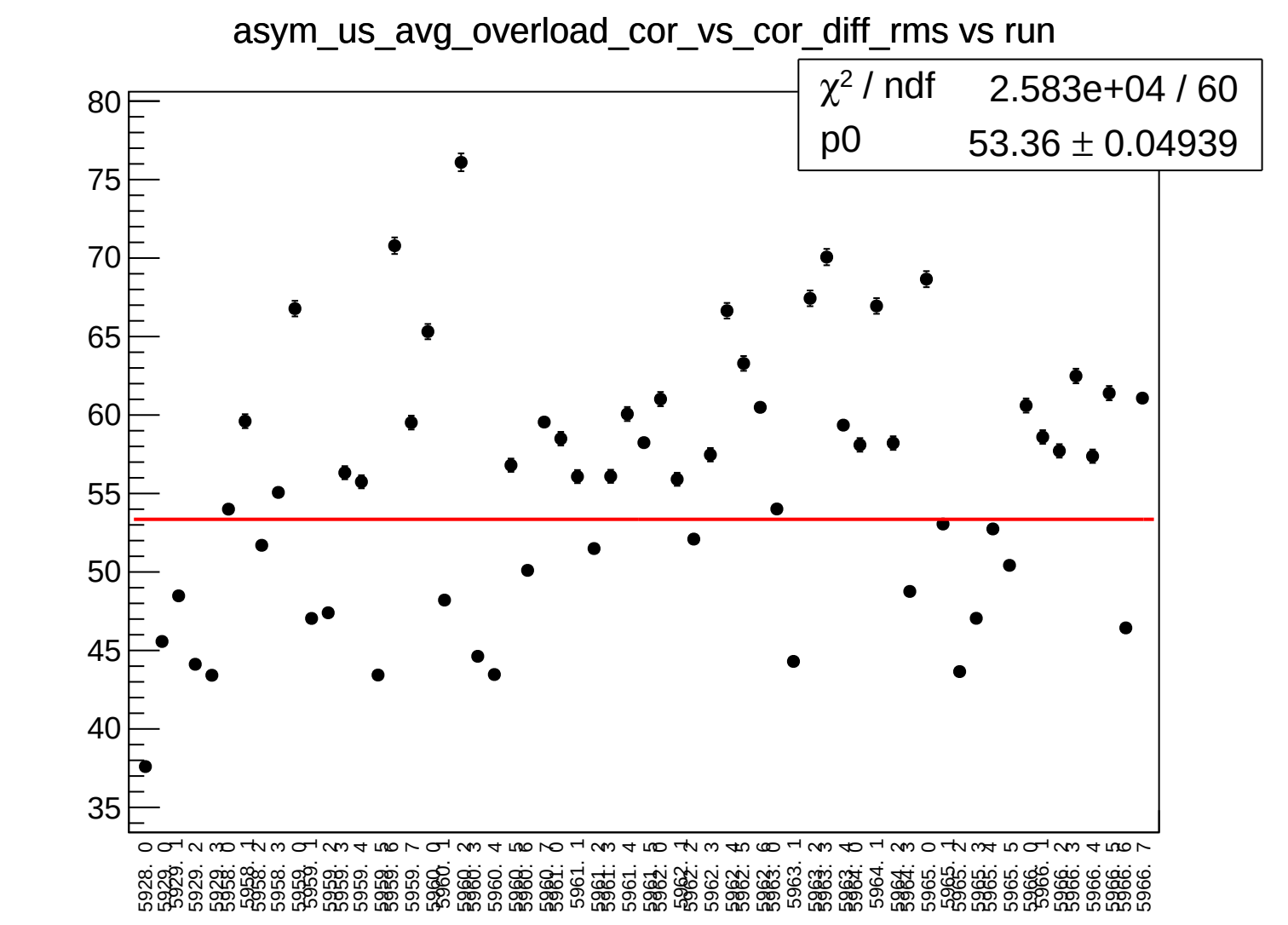

pull1D
Entries 61
Mean 0.007543
Std Dev 1.007

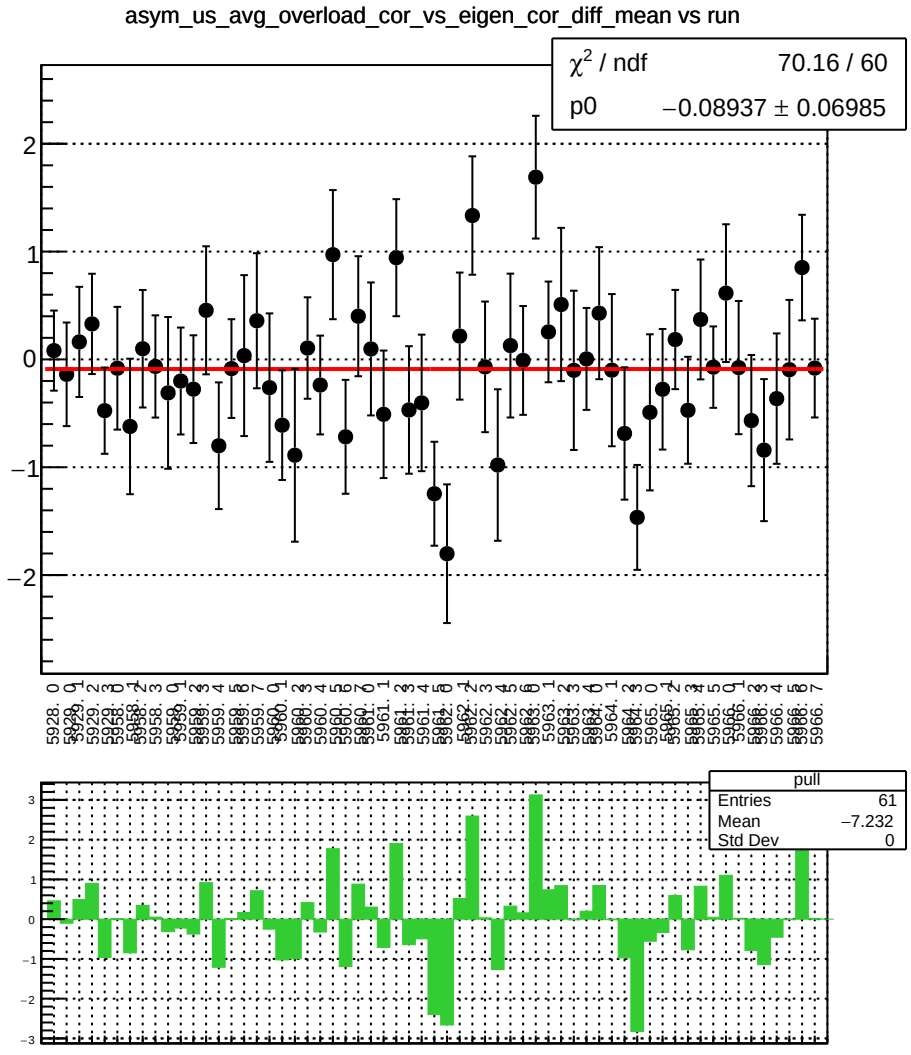

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.815e+04 / 60
p0 79.83 ± 0.0743
200
180
160
140
120
100
80
60

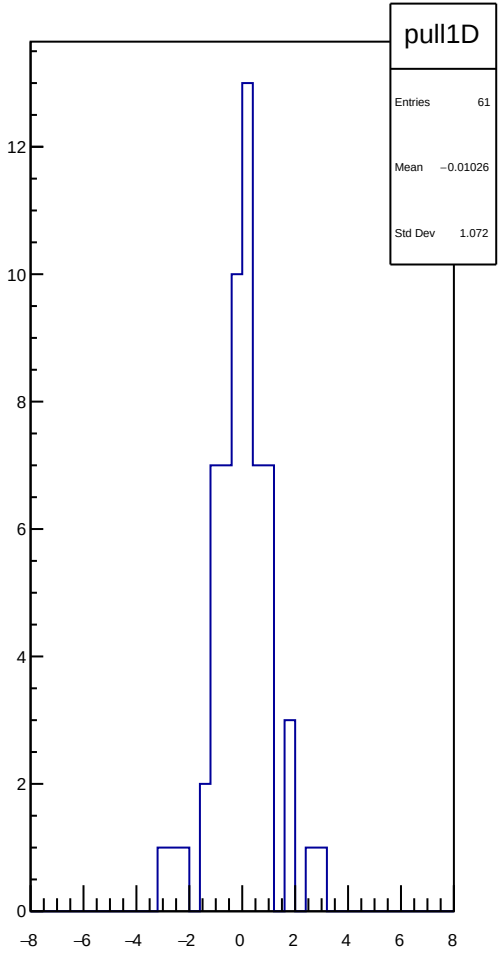

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.17 / 60
p0 1.604e−13 ± 1.051e−13
pull
Entries 61
Mean 129.3
Std Dev 0
pull1D
Entries 61
Mean −0.04923
Std Dev 1.152

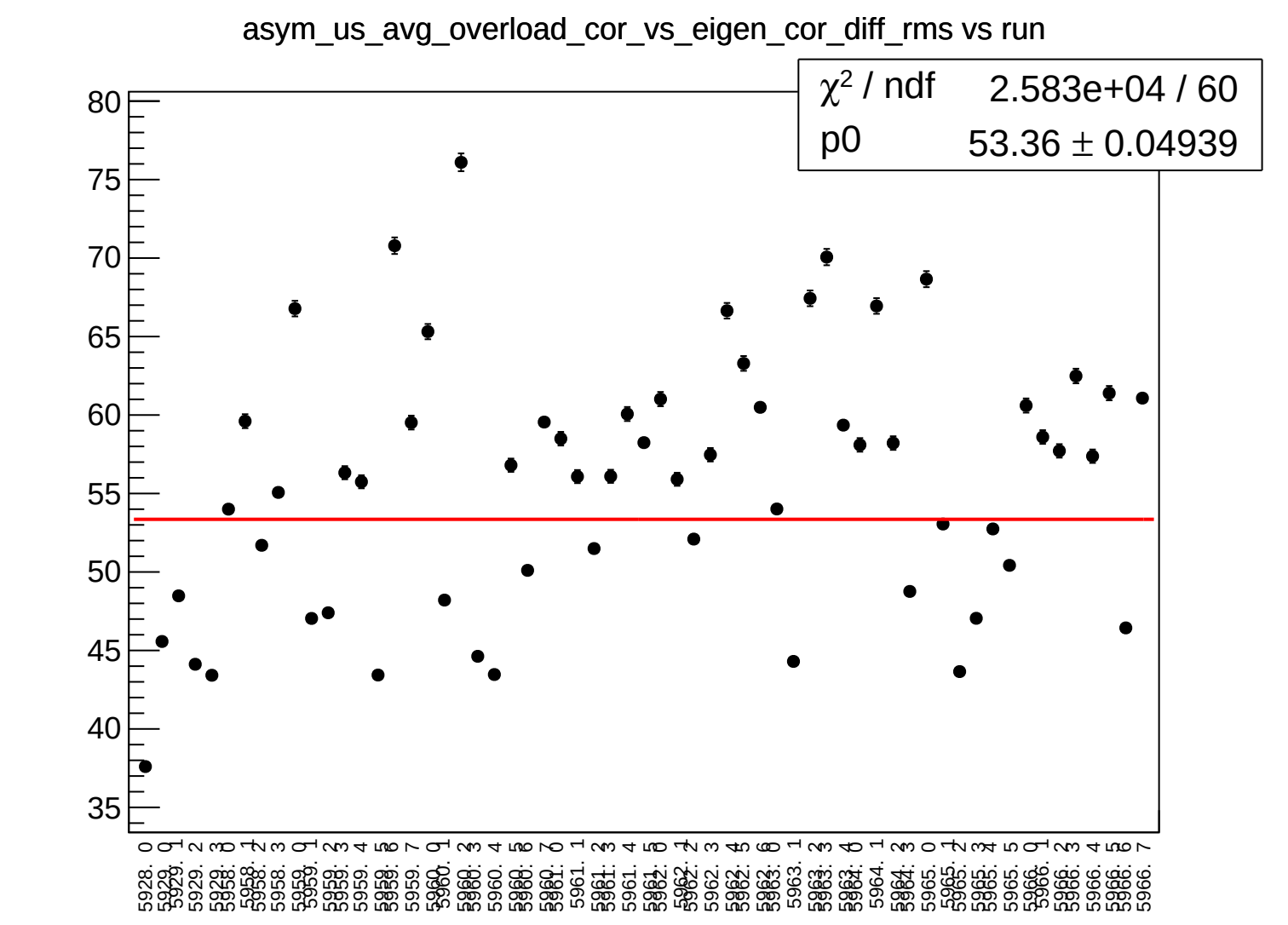

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.815e+05 / 60
p0 6.694e−11 ± 7.432e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

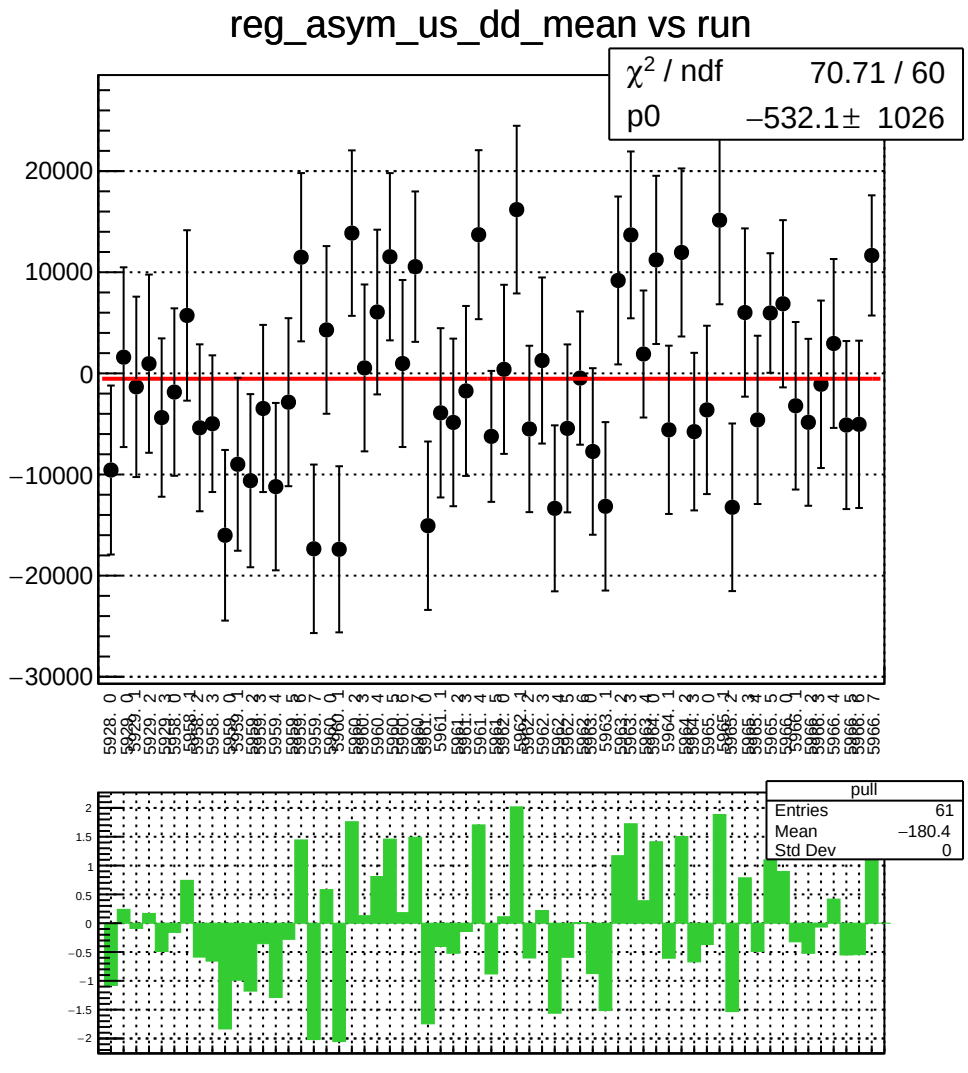

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 70.16 / 60
p0 −0.08937 ± 0.06985
pull
Entries 61
Mean −7.232
Std Dev 0
pull1D
Entries 61
Mean −0.01026
Std Dev 1.072

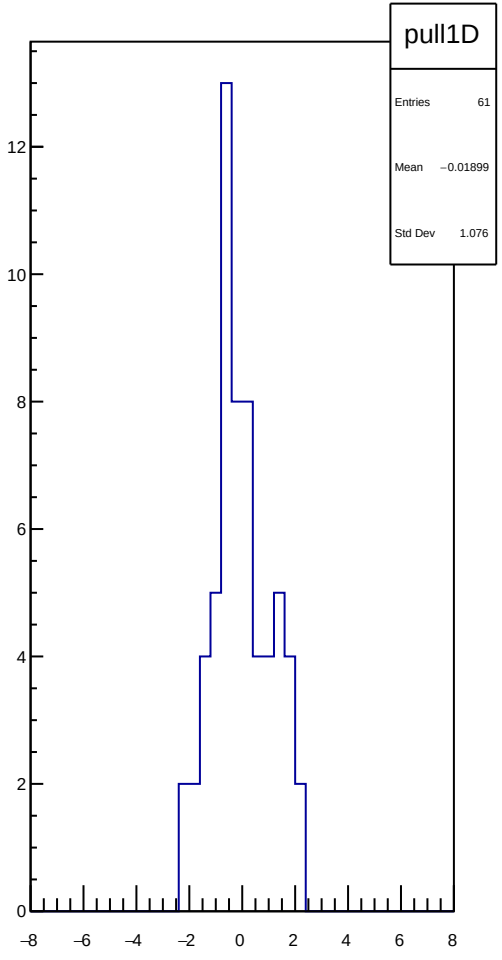

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.583e+04 / 60
p0 53.36 ± 0.04939
80
75
70
65
60
55
50
45
40
35

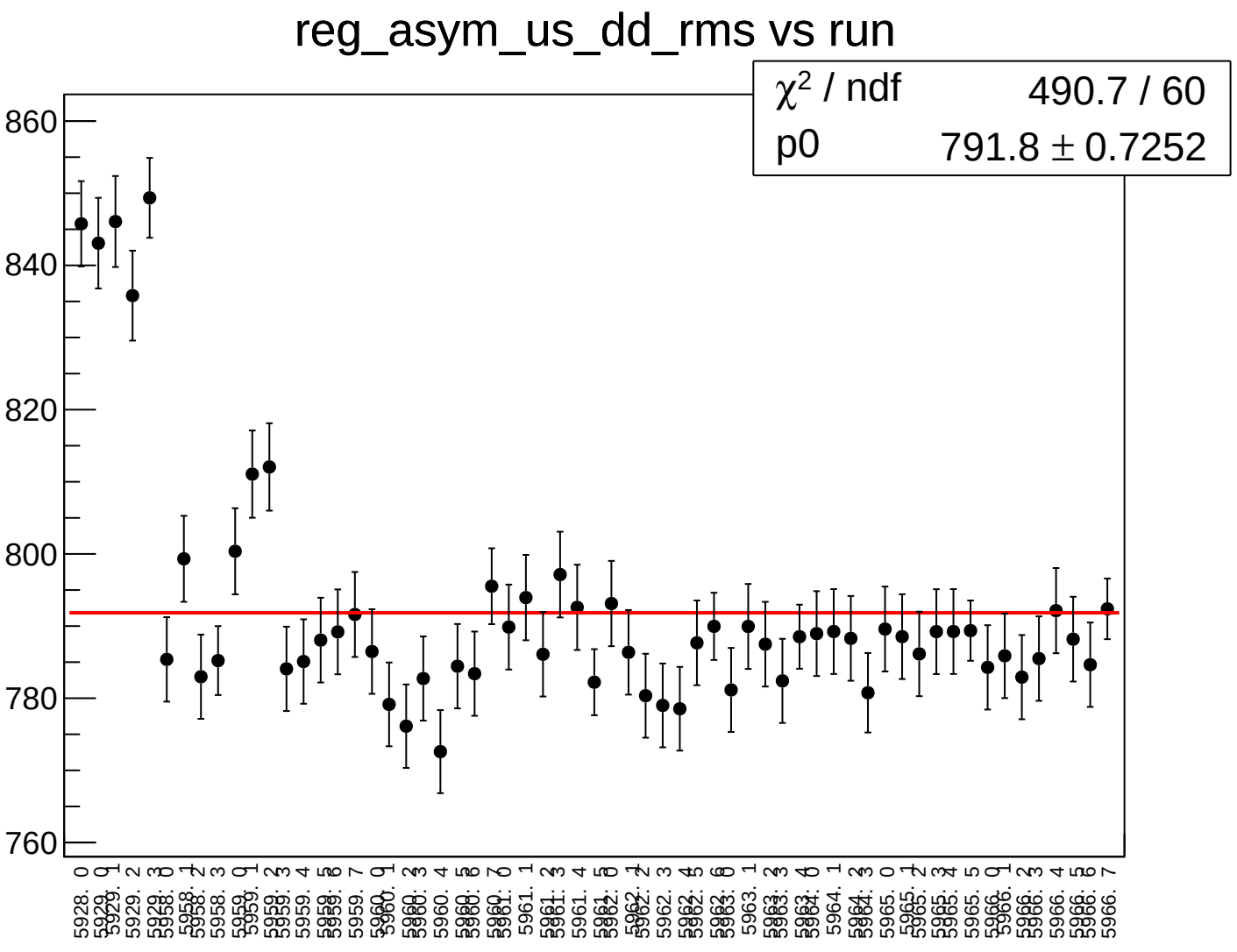

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.16 / 60
p0 −0.08937 ± 0.06985
pull
Entries 61
Mean −7.232
Std Dev 0

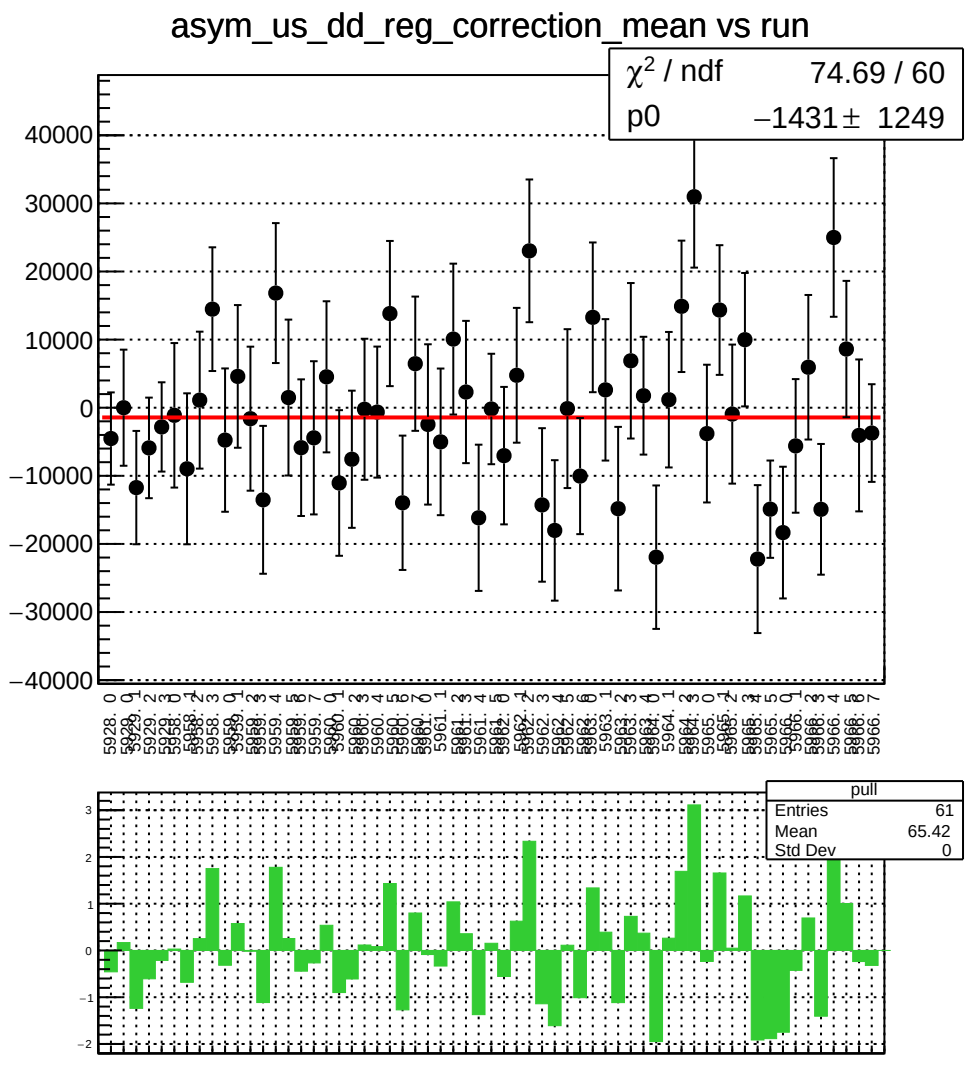

pull1D
Entries 61
Mean −0.01026
Std Dev 1.072

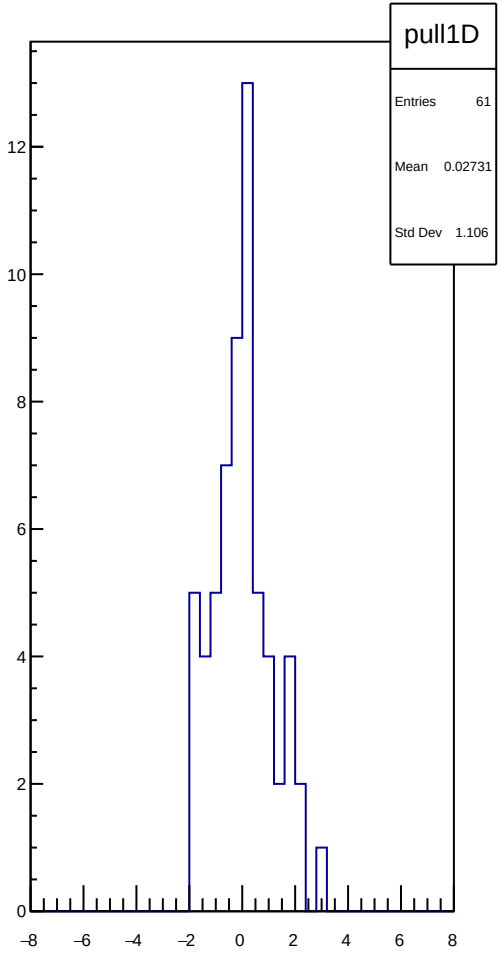

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.583e+04 / 60
p0 53.36 ± 0.04939
80
75
70
65
60
55
50
45
40
35

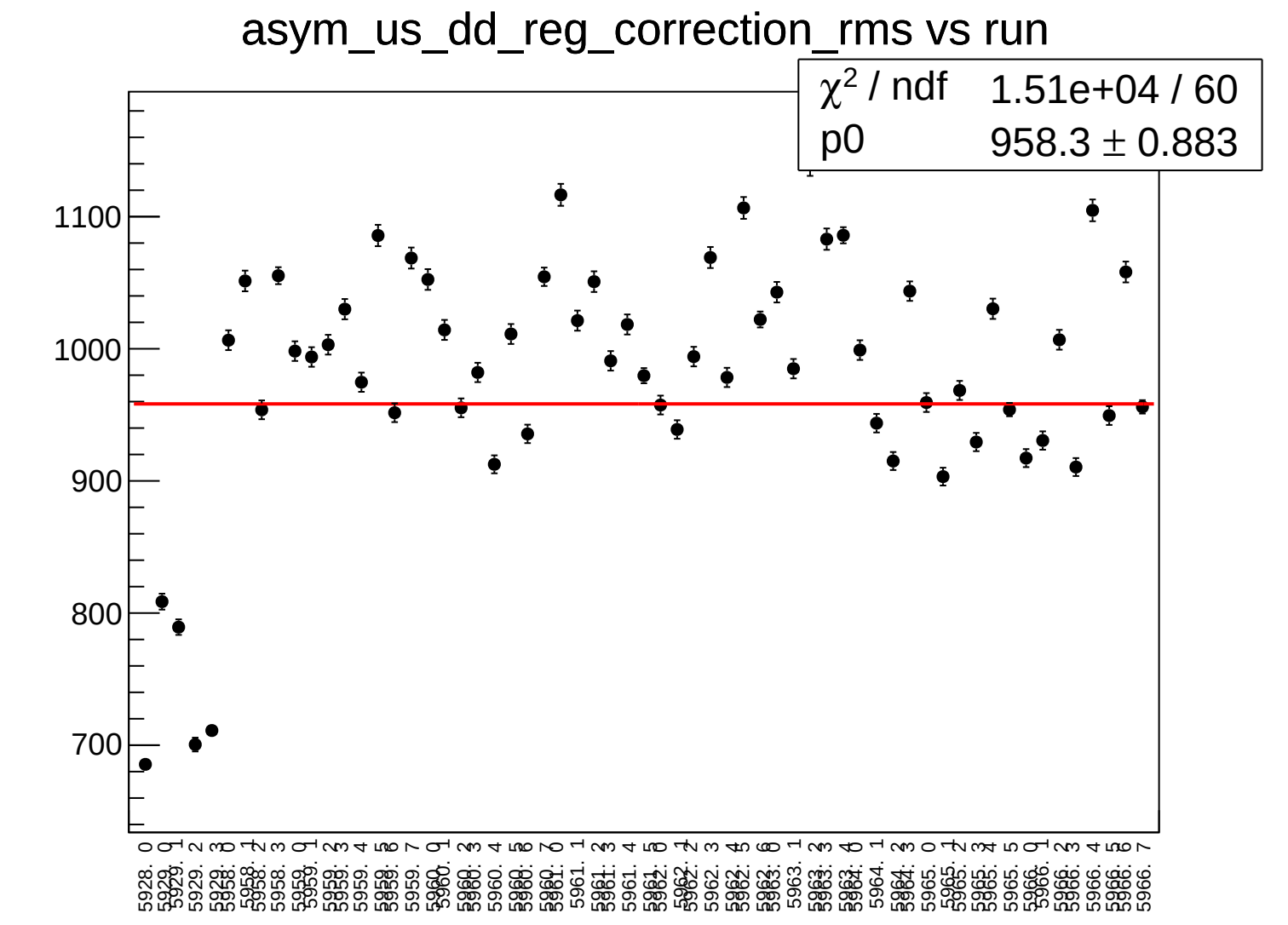

reg_asym_us_dd_mean vs run
χ² / ndf 70.71 / 60
p0 −532.1± 1026
pull
Entries 61
Mean −180.4
Std Dev 0

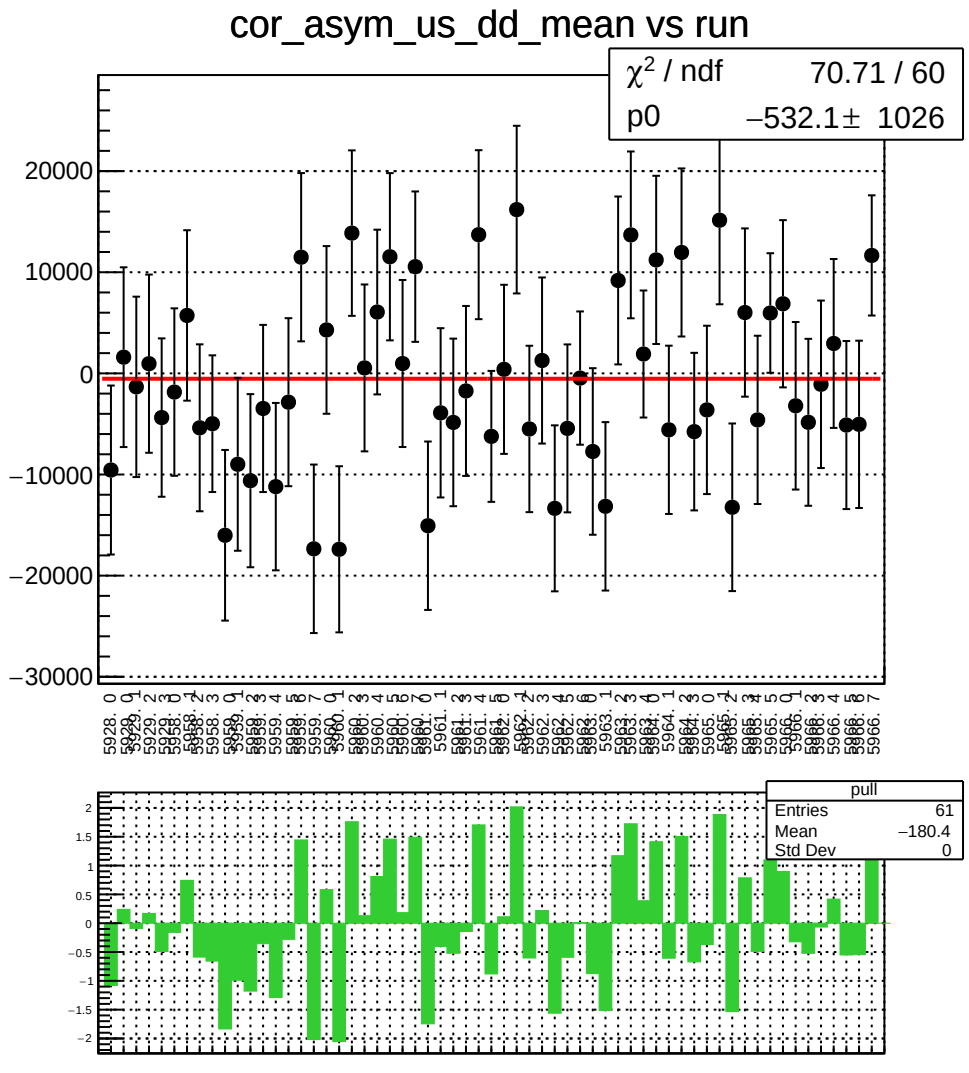

pull1D
Entries 61
Mean −0.01899
Std Dev 1.076

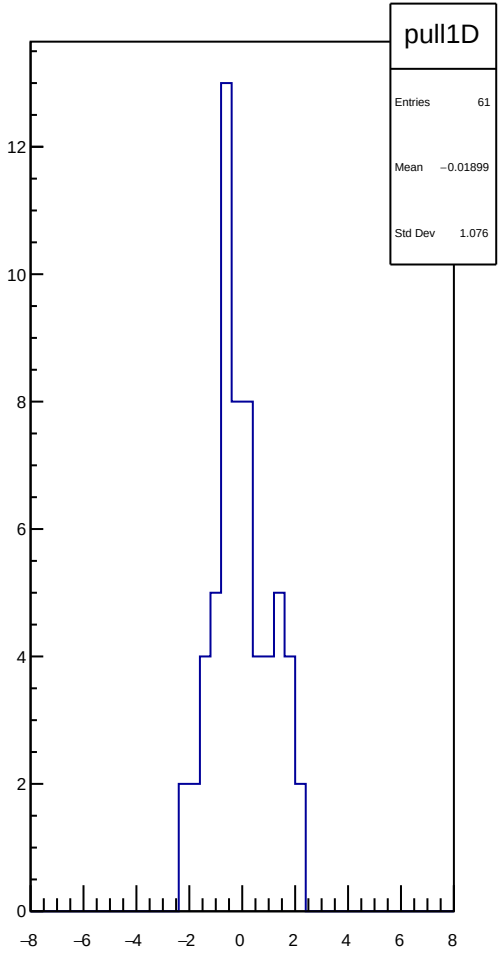

reg_asym_us_dd_rms vs run
χ² / ndf 490.7 / 60
p0 791.8 ± 0.7252
860
840
820
800
780
760

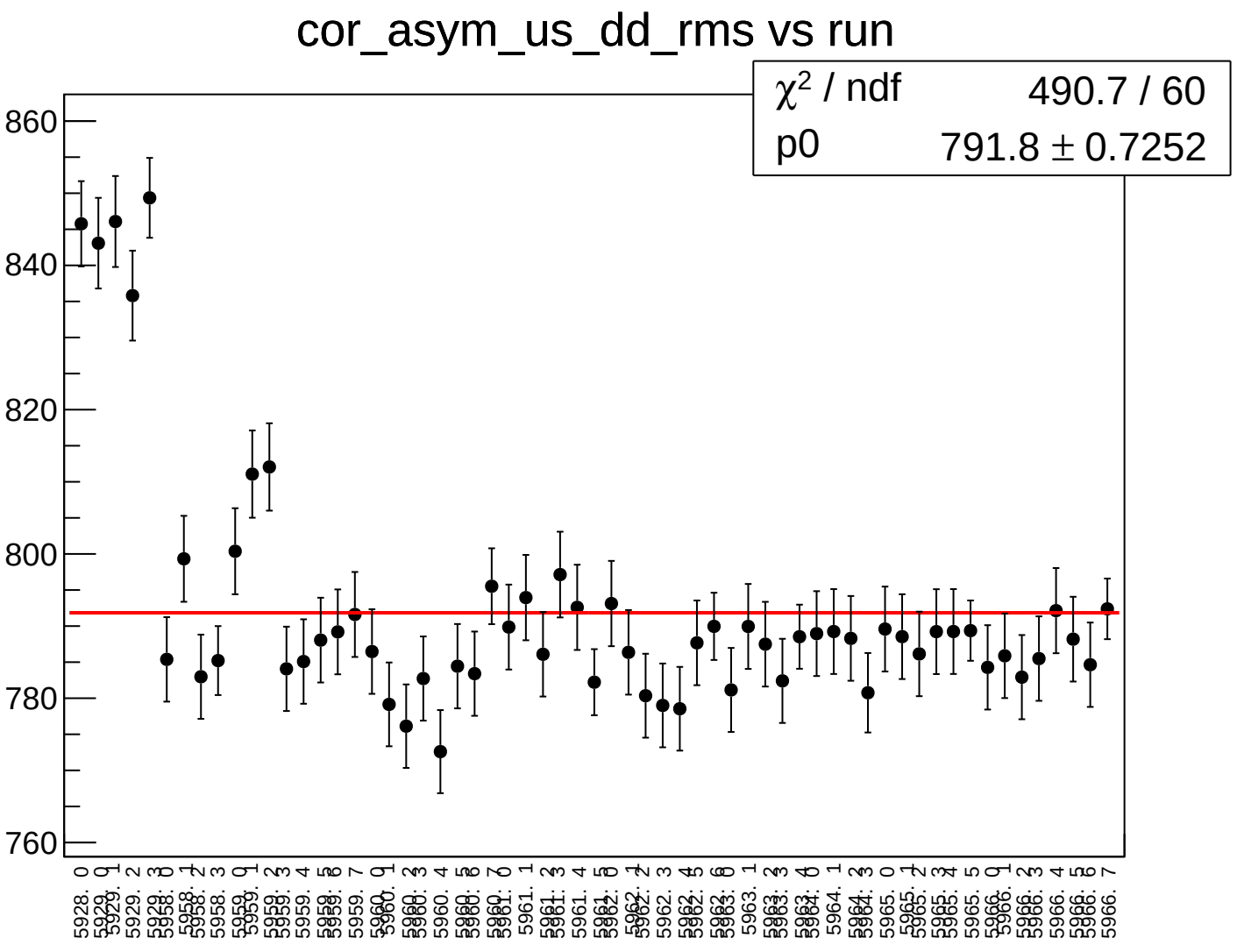

asym_us_dd_reg_correction_mean vs run
χ² / ndf 74.69 / 60
p0 −1431 ± 1249
pull
Entries 61
Mean 65.42
Std Dev 0

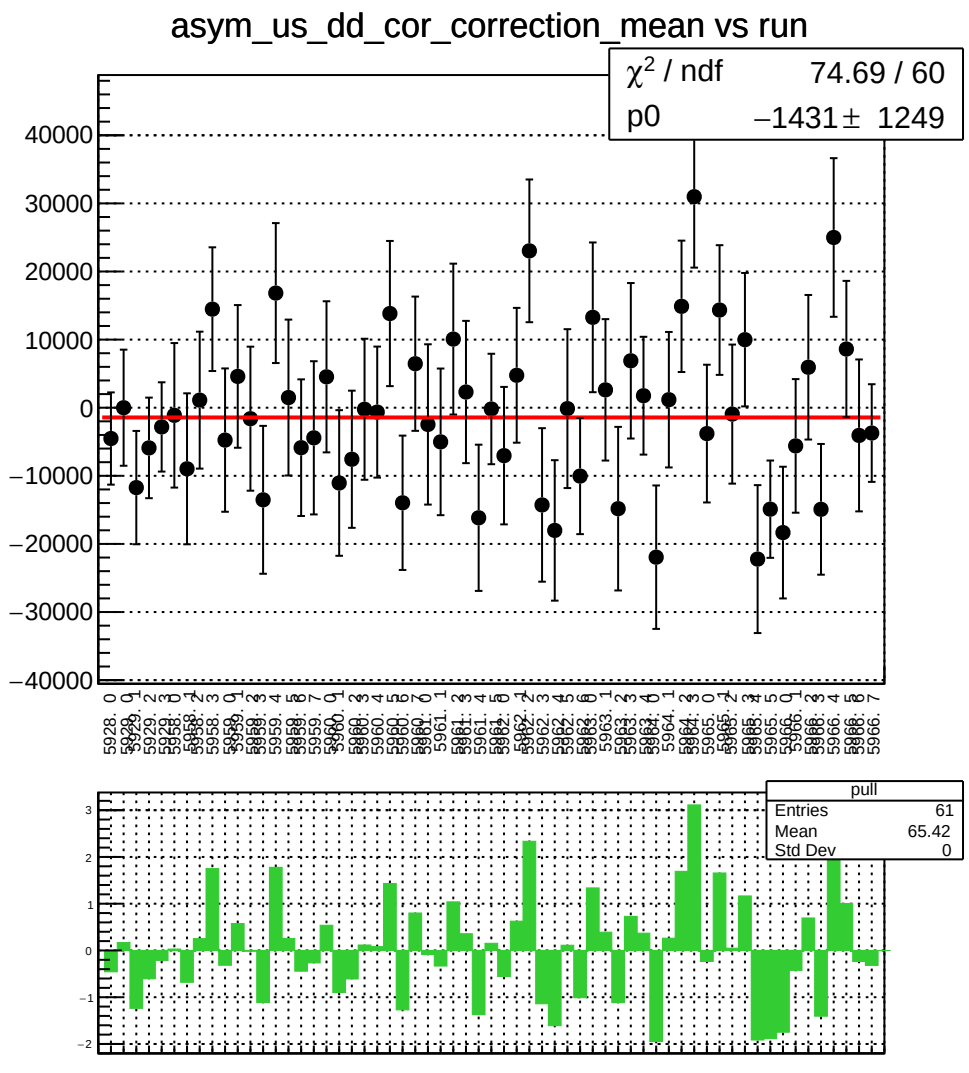

pull1D
Entries 61
Mean 0.02731
Std Dev 1.106

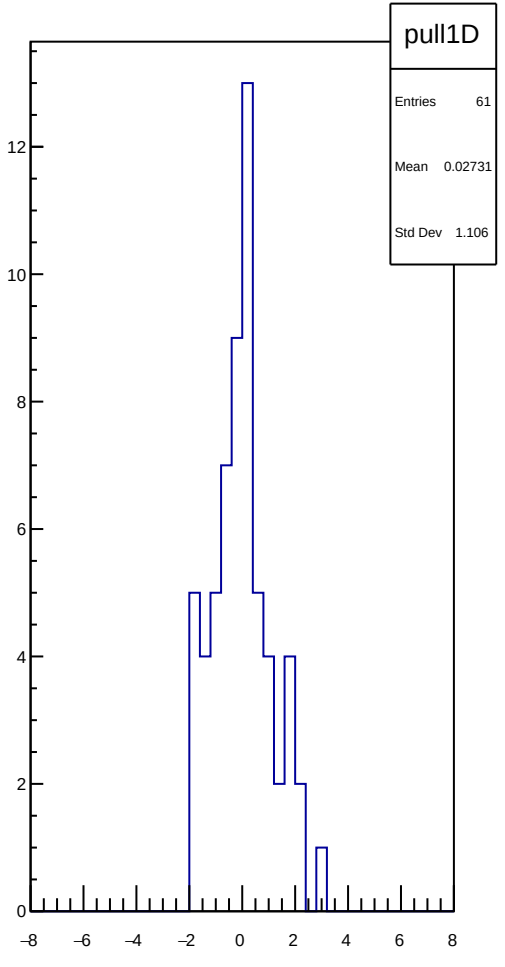

asym_us_dd_reg_correction_rms vs run
χ² / ndf 1.51e+04 / 60
p0 958.3 ± 0.883
1100
1000
900
800
700

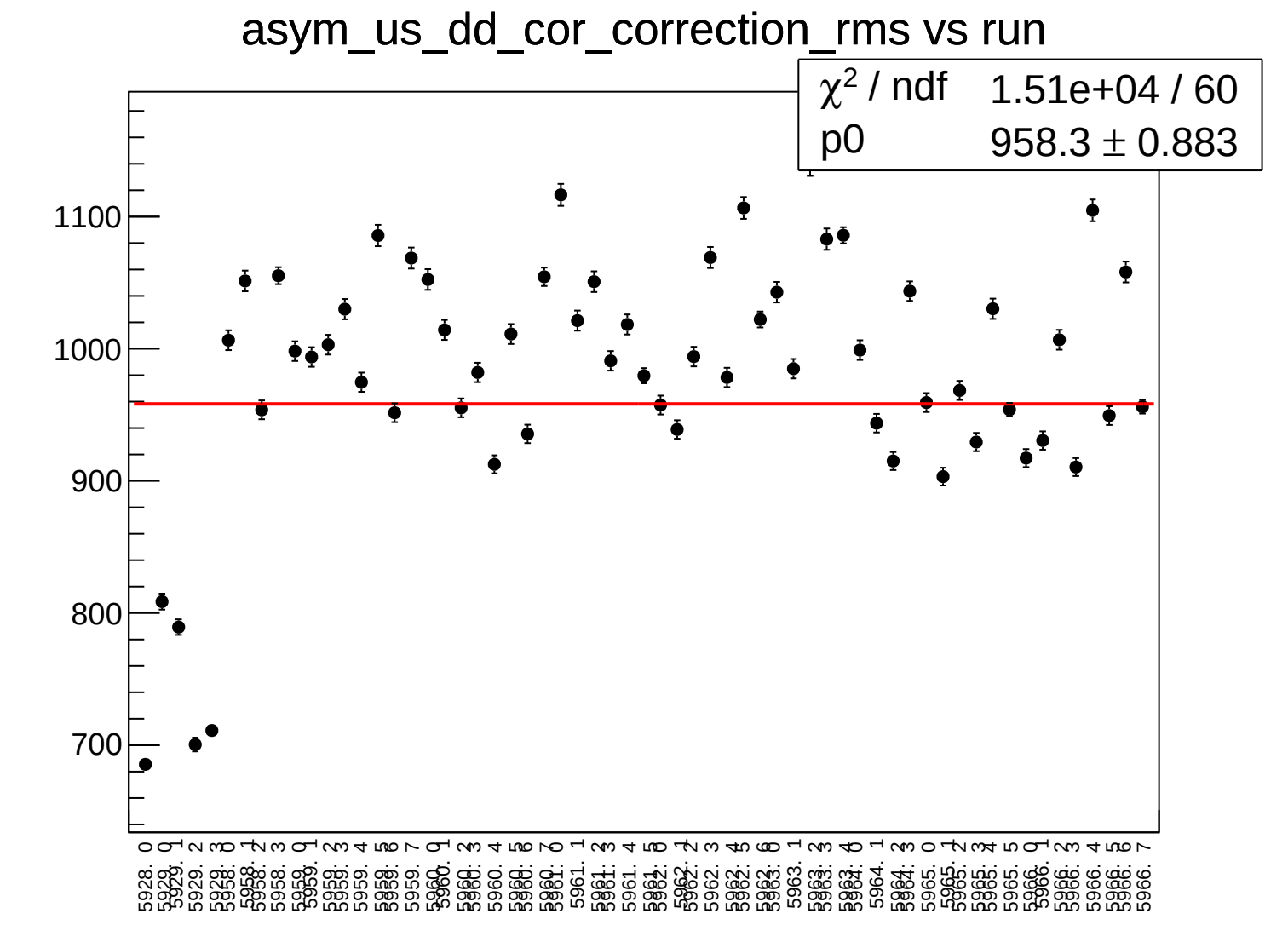

cor_asym_us_dd_mean vs run
χ² / ndf 70.71 / 60
p0 −532.1± 1026
pull
Entries 61
Mean −180.4
Std Dev 0

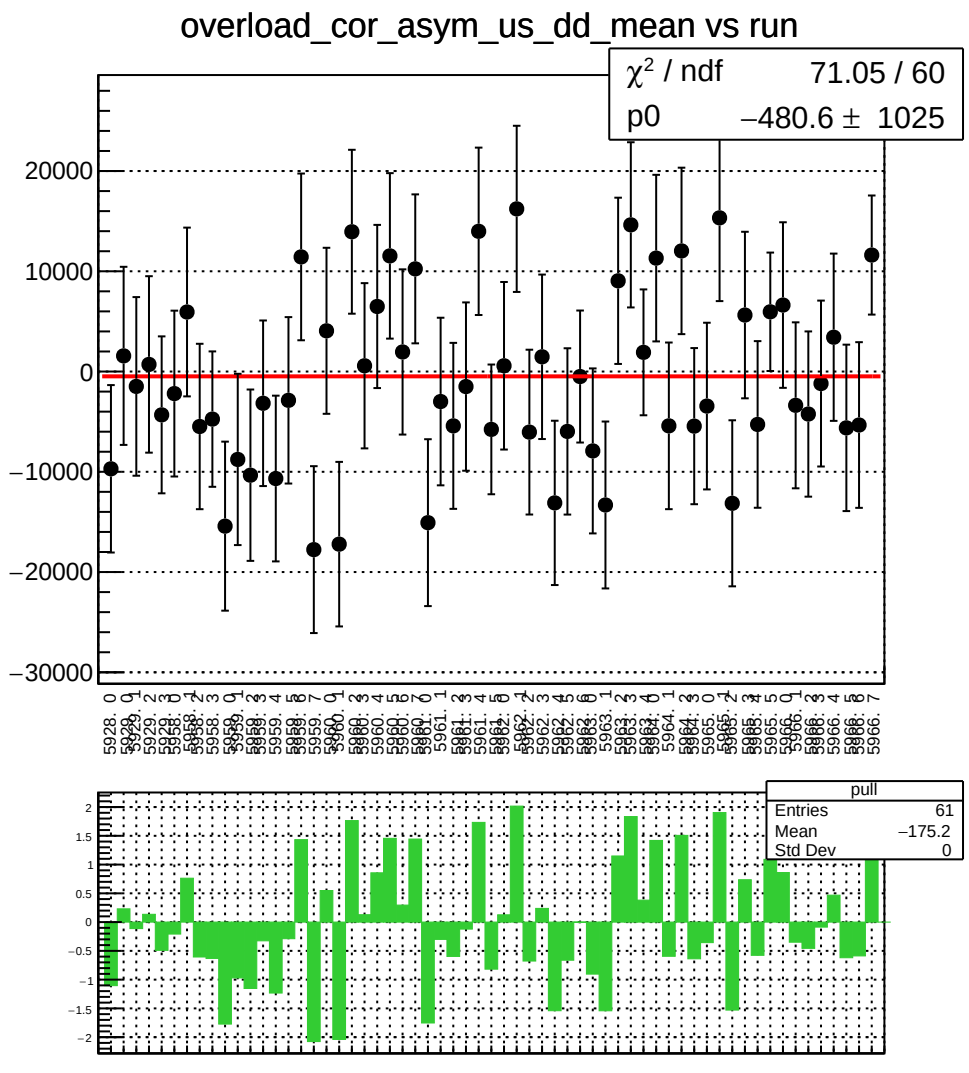

pull1D
Entries 61
Mean −0.01899
Std Dev 1.076

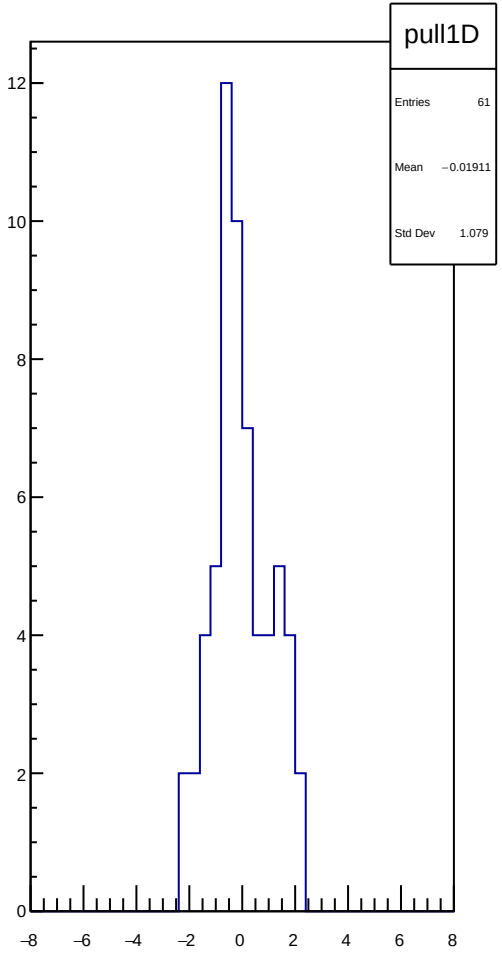

cor_asym_us_dd_rms vs run
χ² / ndf 490.7 / 60
p0 791.8 ± 0.7252
860
840
820
800
780
760

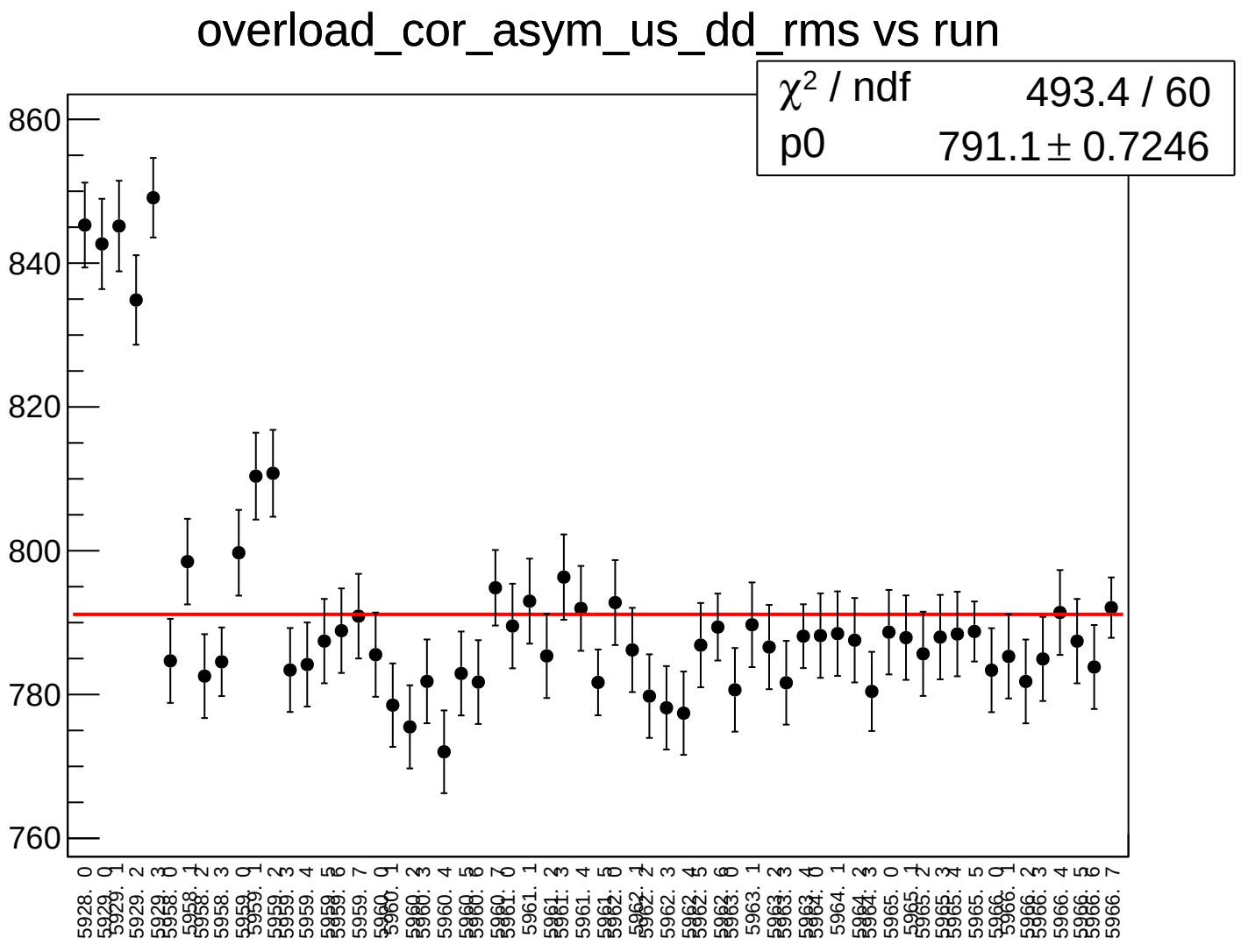

asym_us_dd_cor_correction_mean vs run
χ² / ndf 74.69 / 60
p0 −1431 ± 1249
pull
Entries 61
Mean 65.42
Std Dev 0

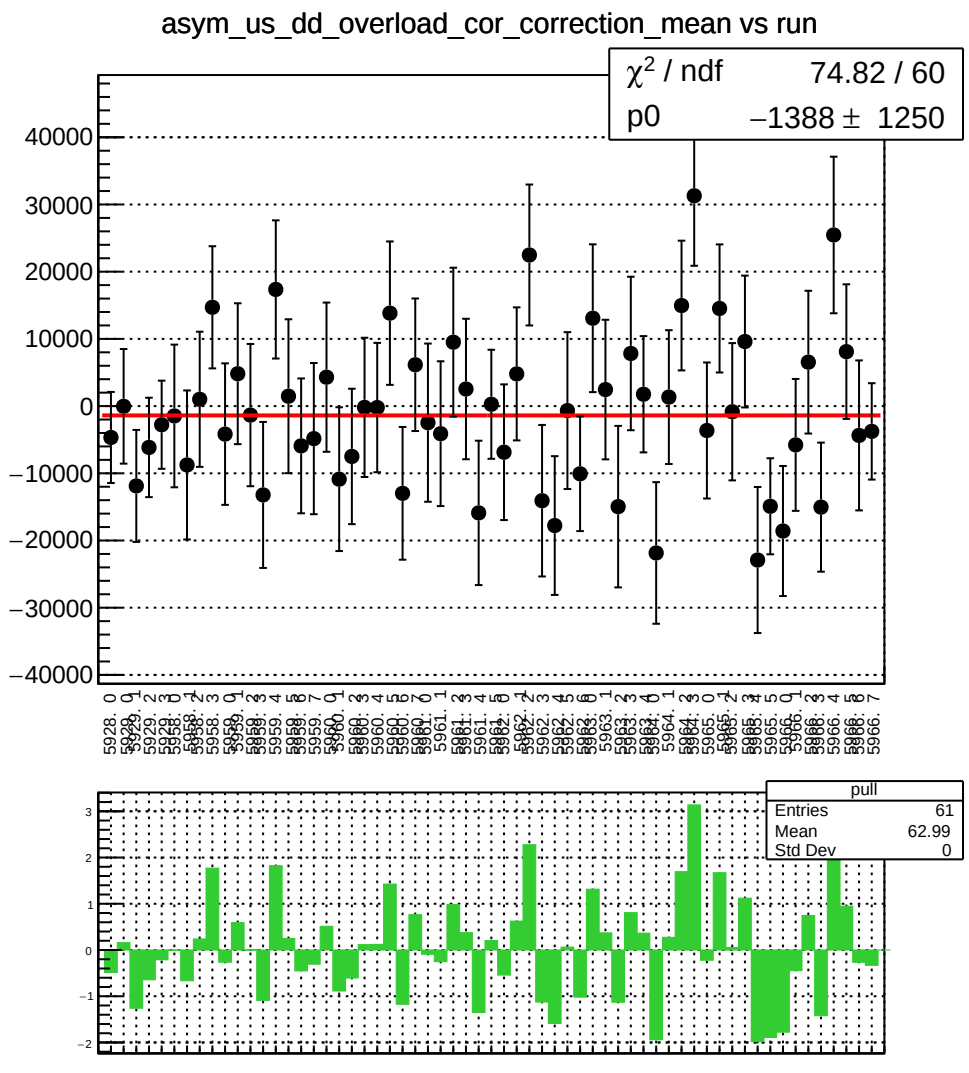

pull1D
Entries 61
Mean 0.02731
Std Dev 1.106

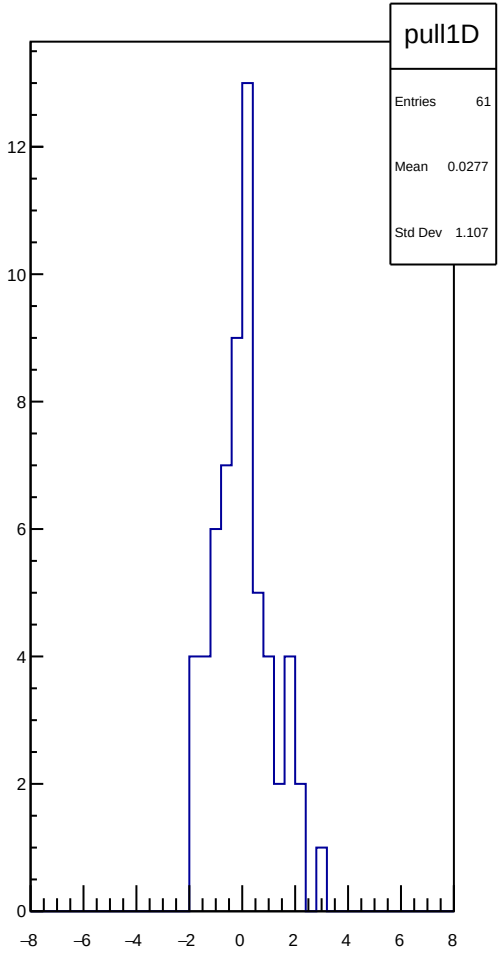

asym_us_dd_cor_correction_rms vs run
χ² / ndf 1.51e+04 / 60
p0 958.3 ± 0.883
1100
1000
900
800
700

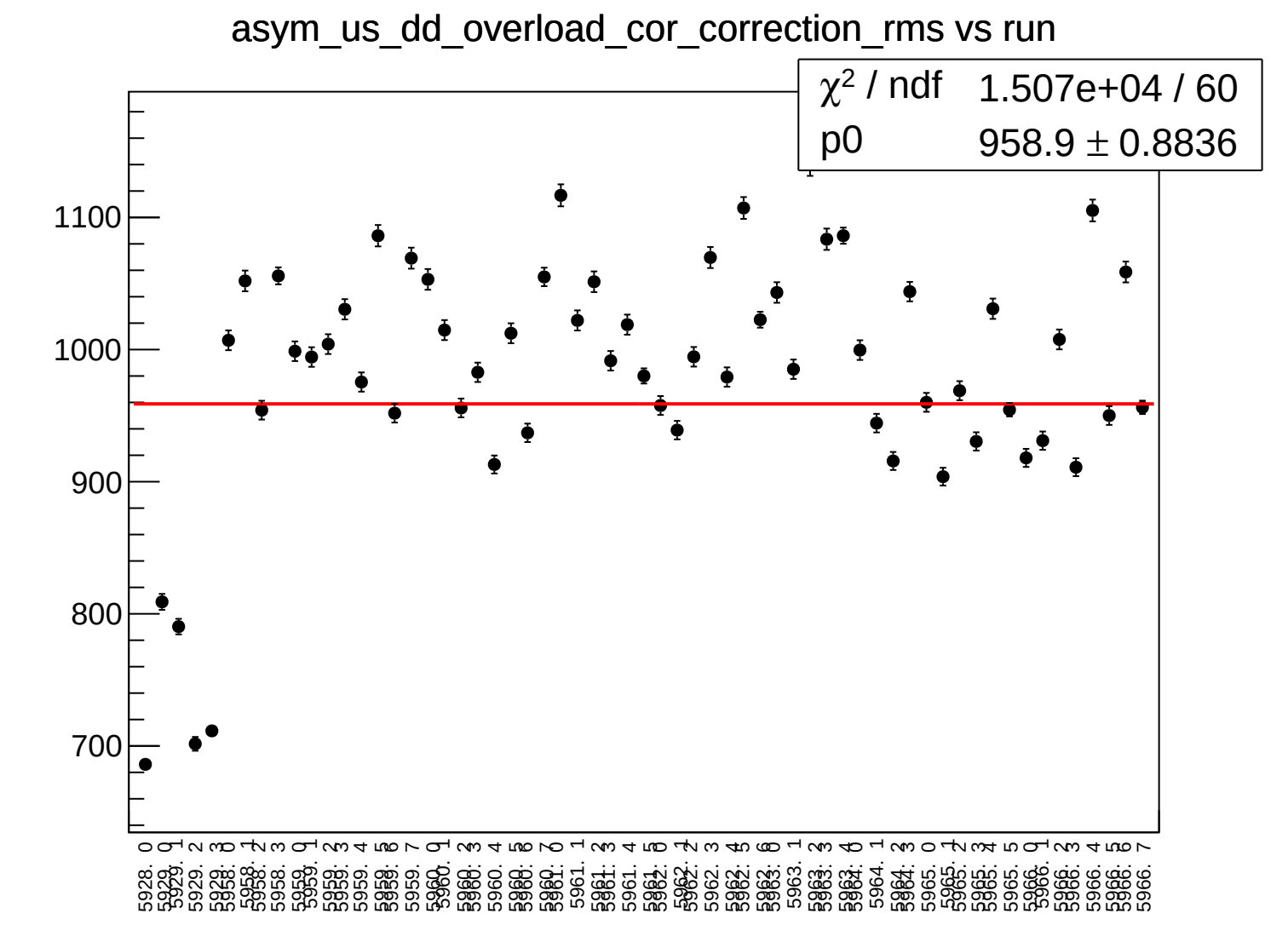

overload_cor_asym_us_dd_mean vs run
χ² / ndf 71.05 / 60
p0 −480.6 ± 1025
pull
Entries 61
Mean −175.2
Std Dev 0

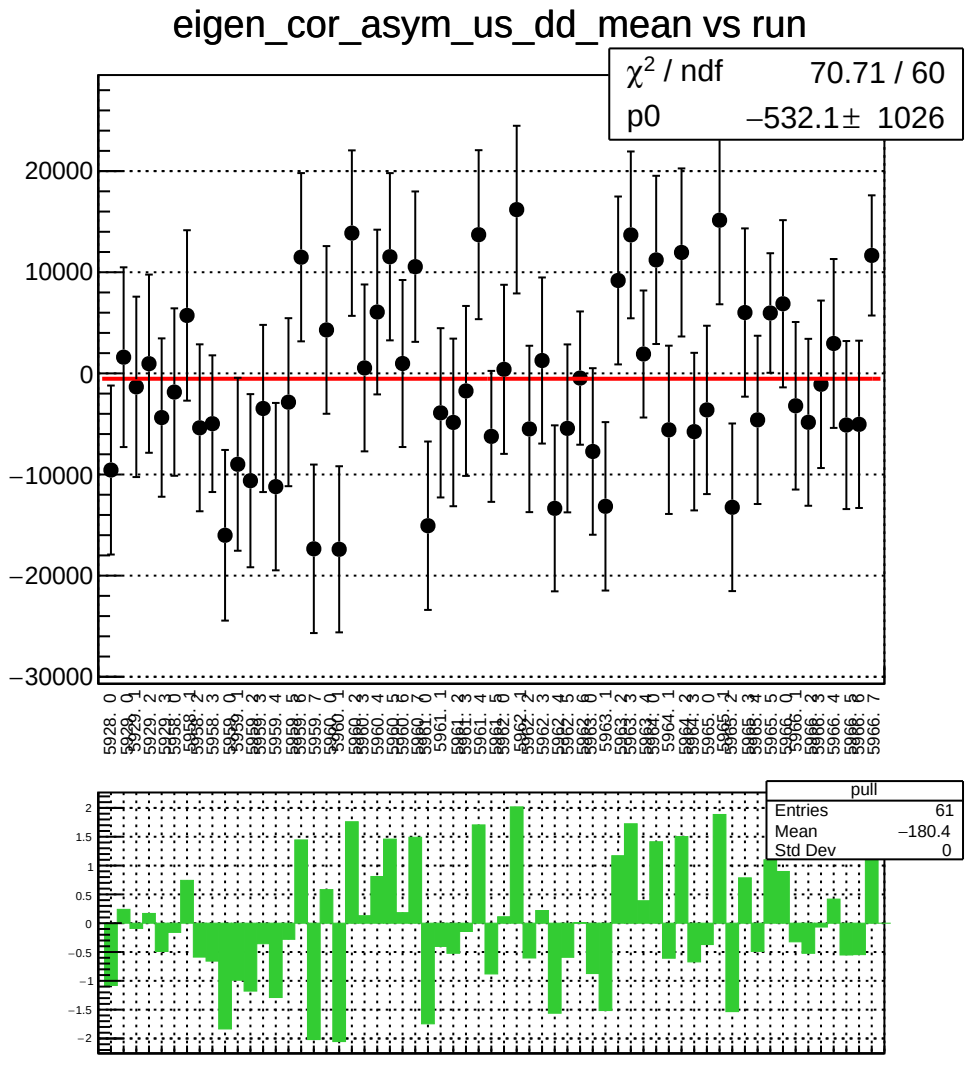

pull1D
Entries 61
Mean −0.01911
Std Dev 1.079

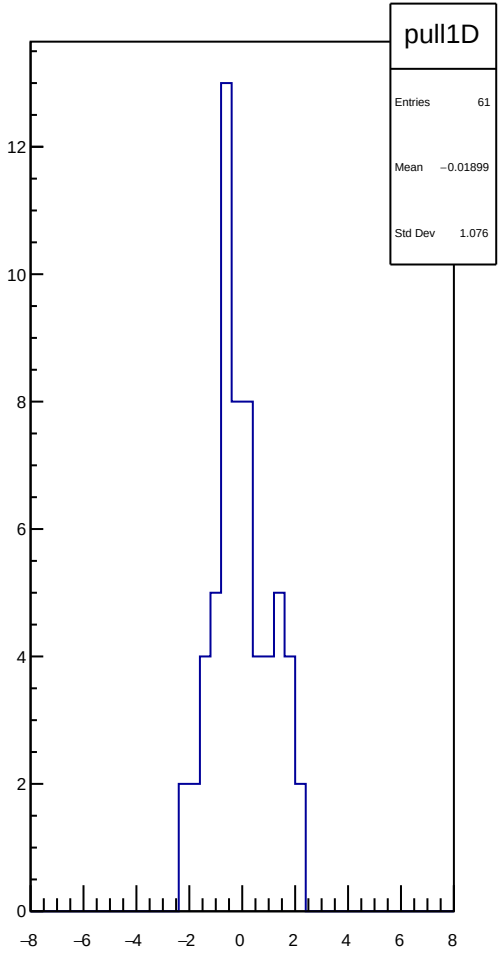

overload_cor_asym_us_dd_rms vs run
χ² / ndf 493.4 / 60
p0 791.1 ± 0.7246
860
840
820
800
780
760

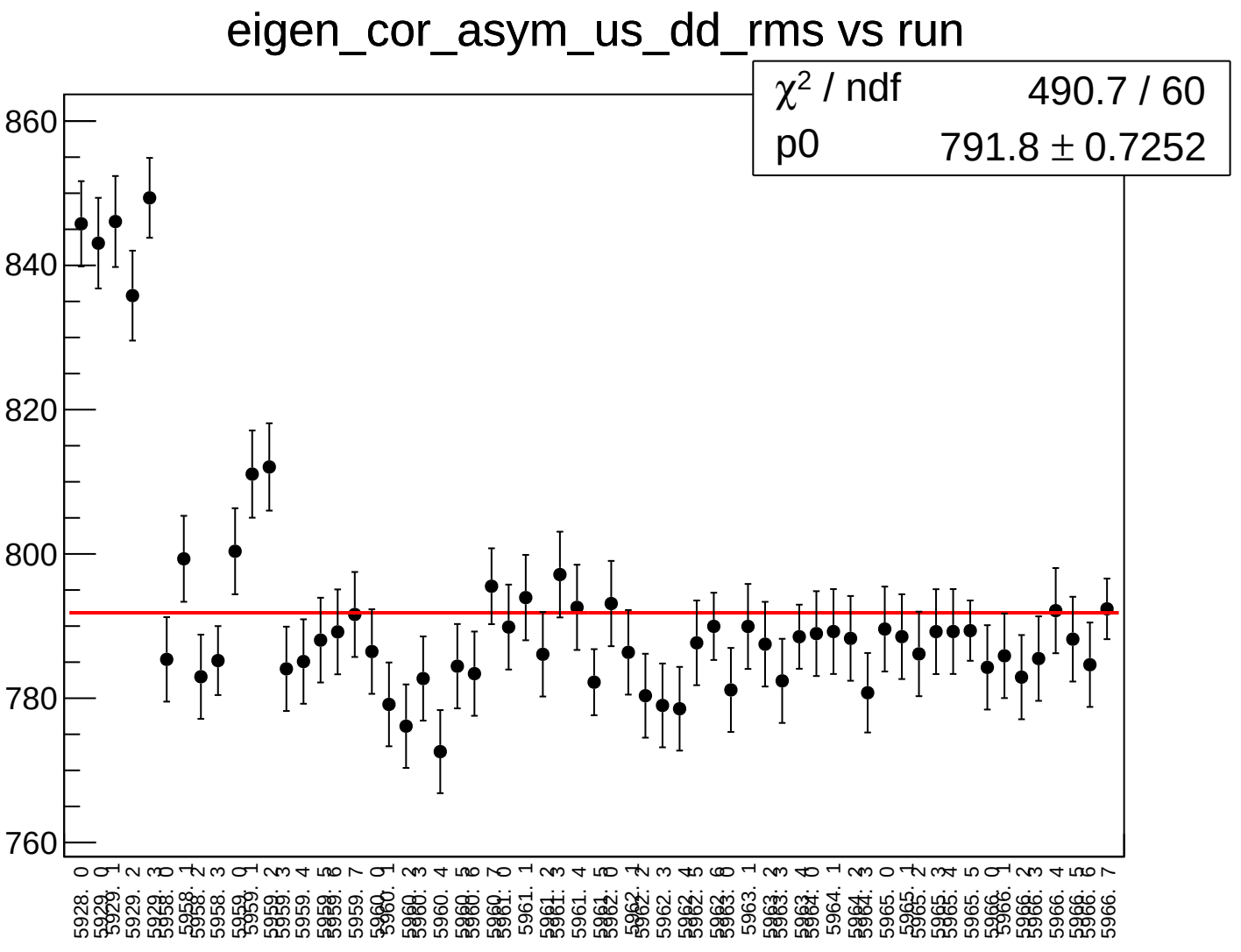

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 74.82 / 60
p0 −1388 ± 1250
pull
Entries 61
Mean 62.99
Std Dev 0

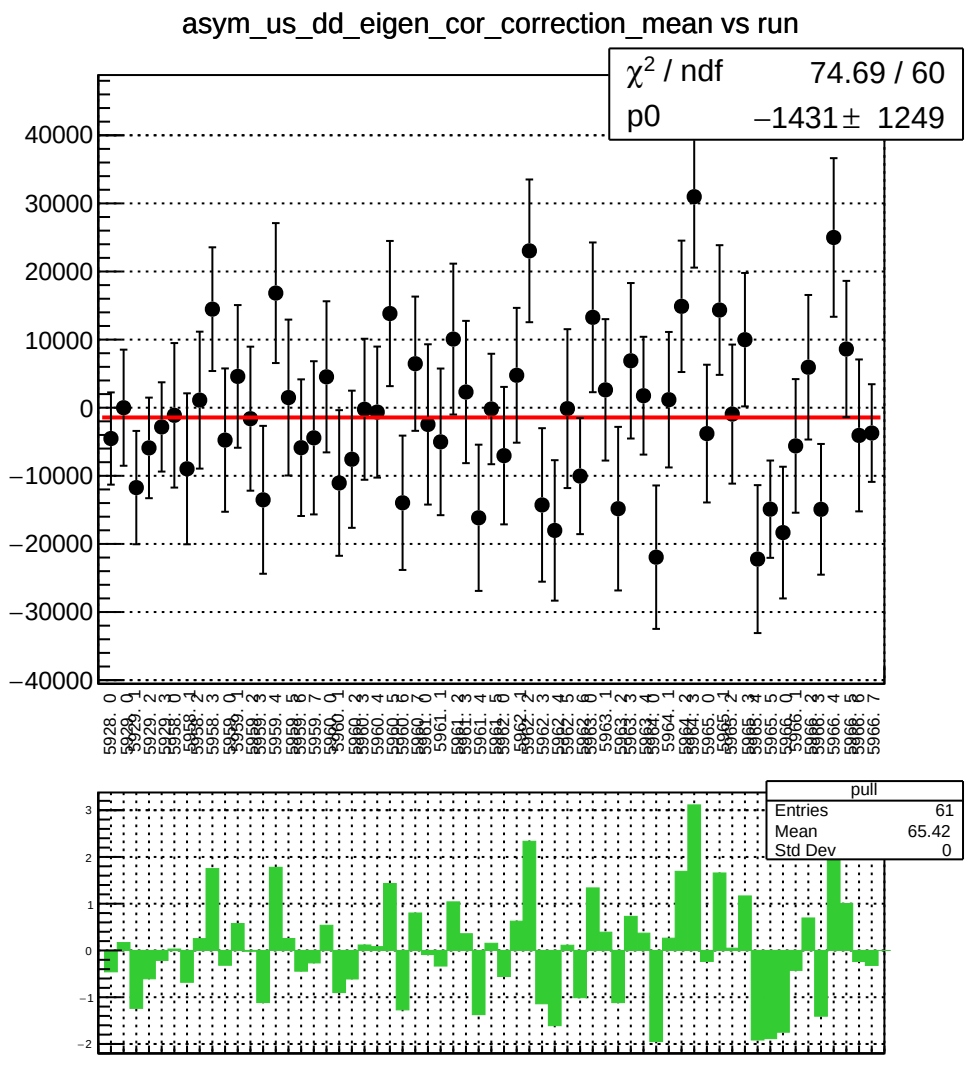

pull1D
Entries 61
Mean 0.0277
Std Dev 1.107

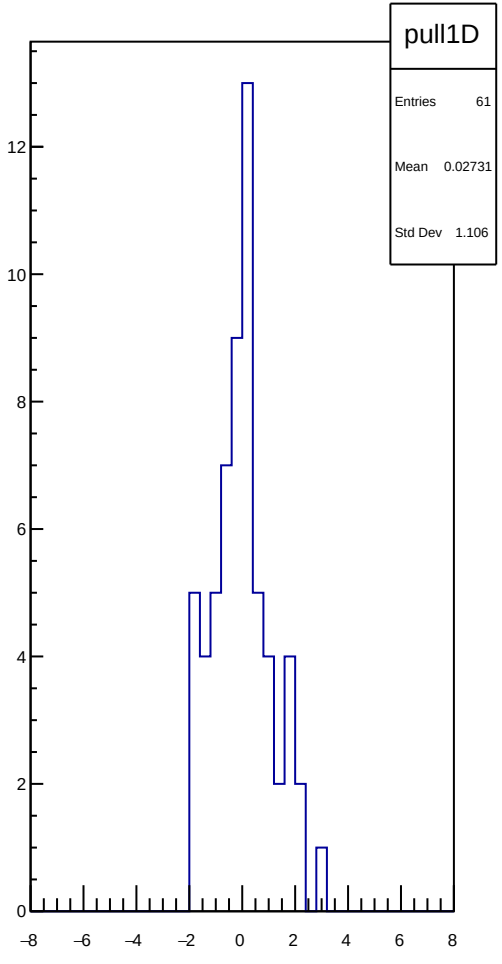

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 1.507e+04 / 60
p0 958.9 ± 0.8836
1100
1000
900
800
700

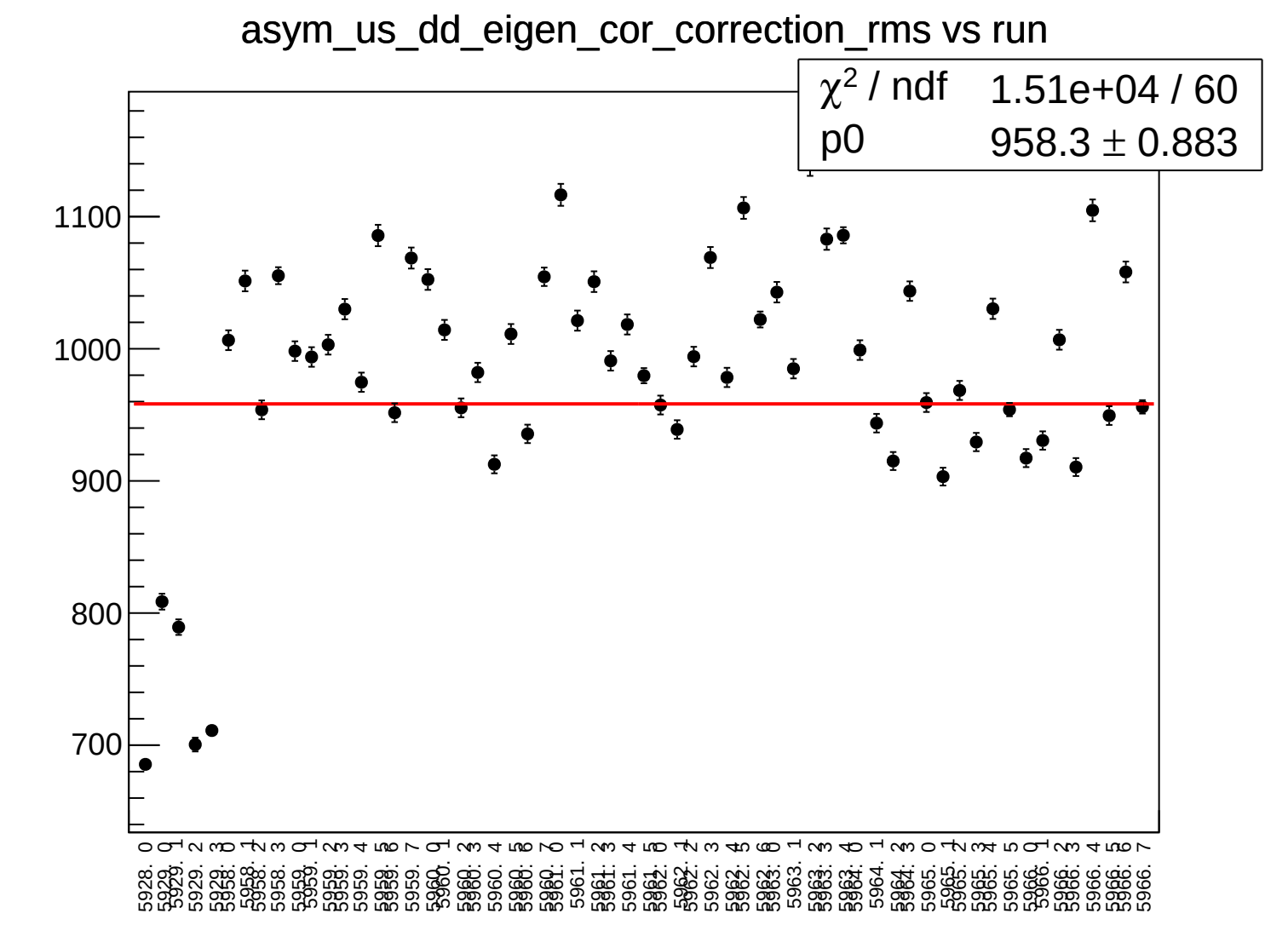

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 70.71 / 60
p0 −532.1± 1026
pull
Entries 61
Mean −180.4
Std Dev 0

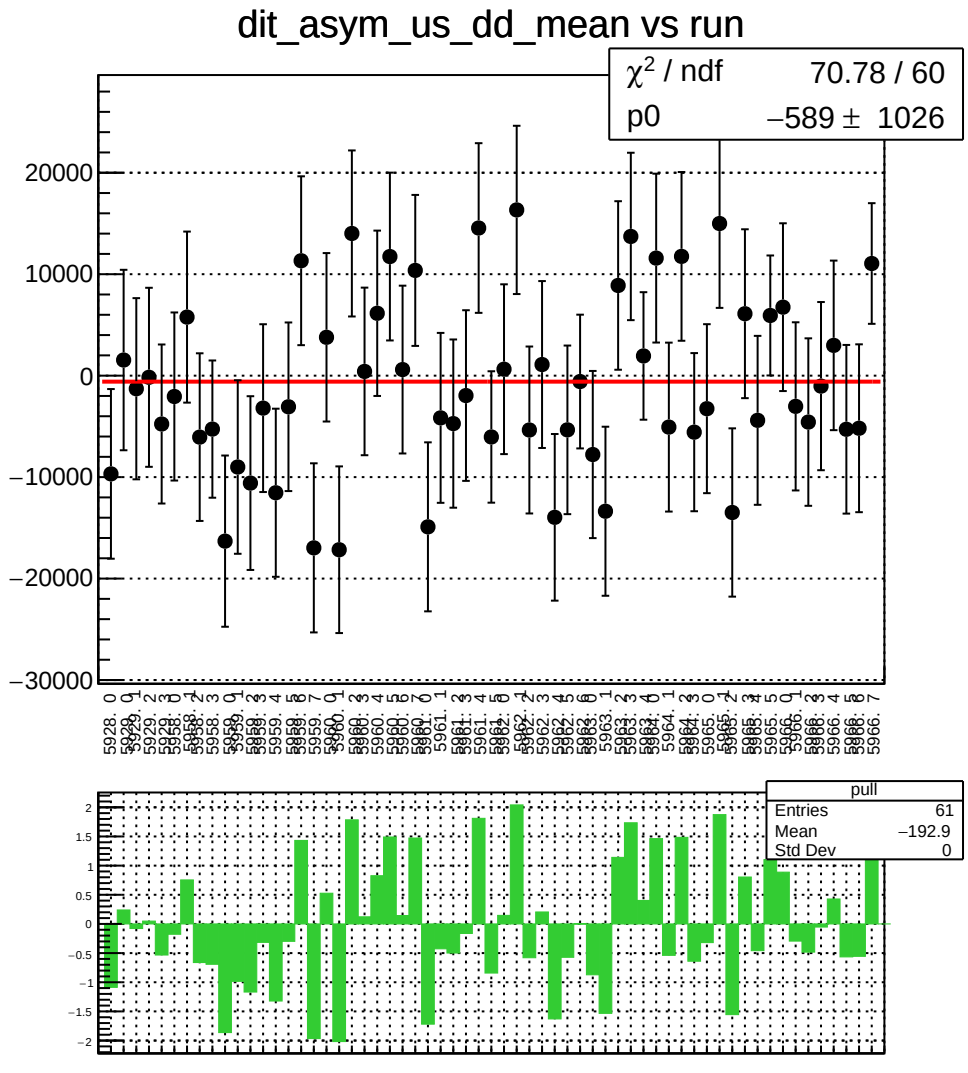

pull1D
Entries 61
Mean −0.01899
Std Dev 1.076

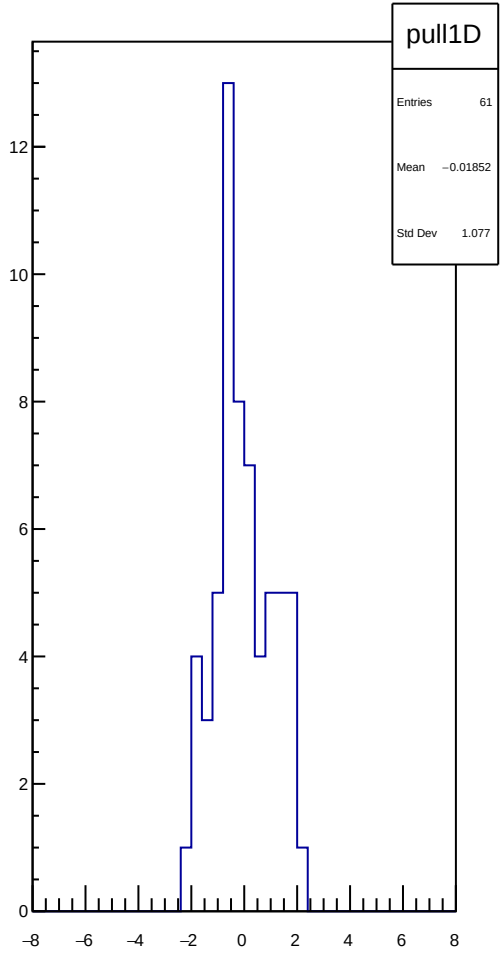

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 490.7 / 60
p0 791.8 ± 0.7252
860
840
820
800
780
760

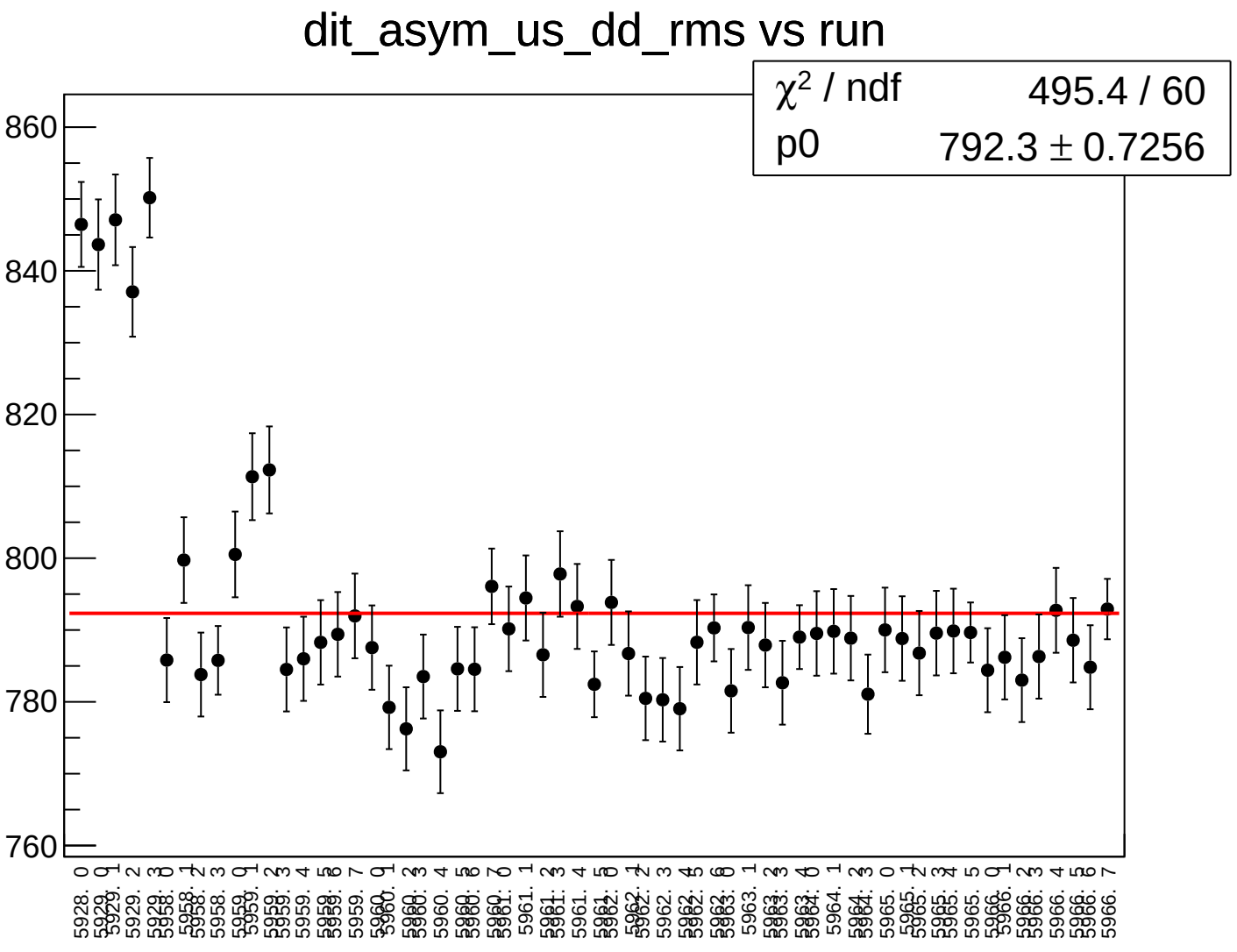

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.69 / 60
p0 −1431 ± 1249
pull
Entries 61
Mean 65.42
Std Dev 0

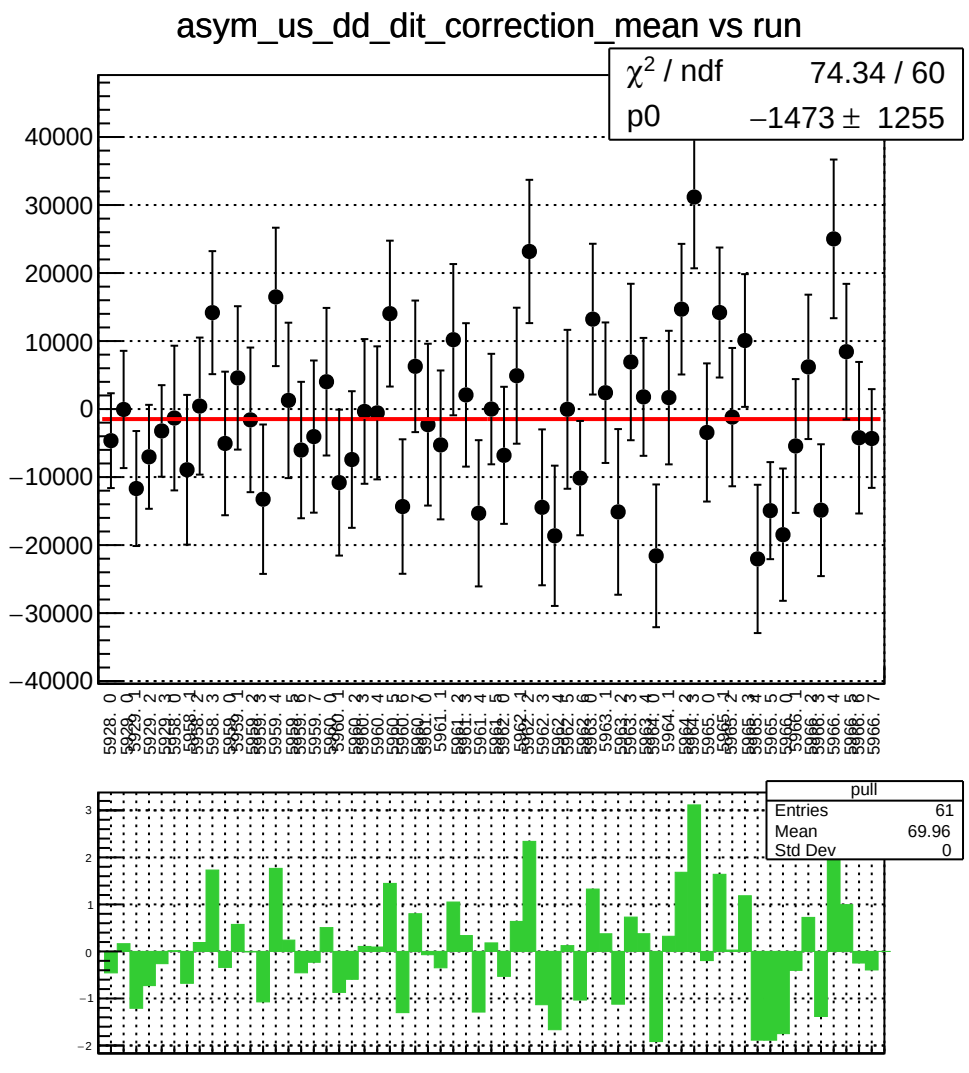

pull1D
Entries 61
Mean 0.02731
Std Dev 1.106

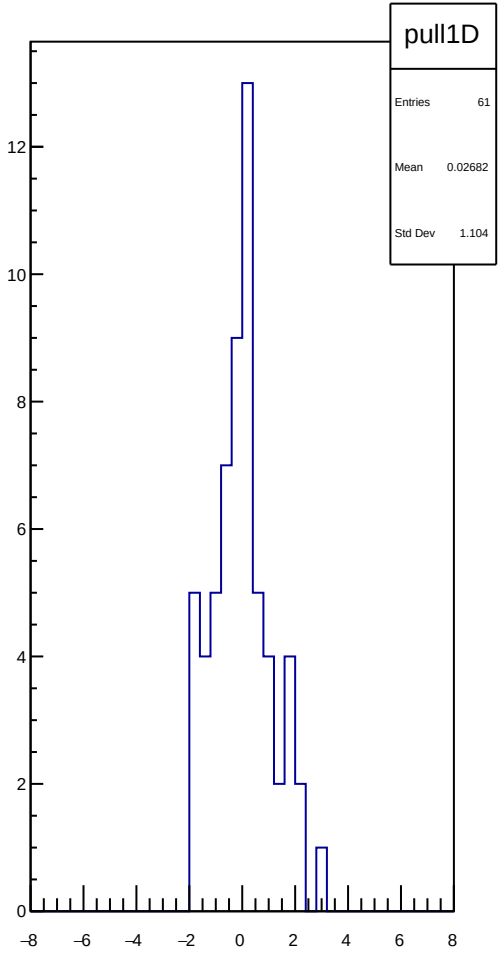

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.51e+04 / 60
p0 958.3 ± 0.883
1100
1000
900
800
700

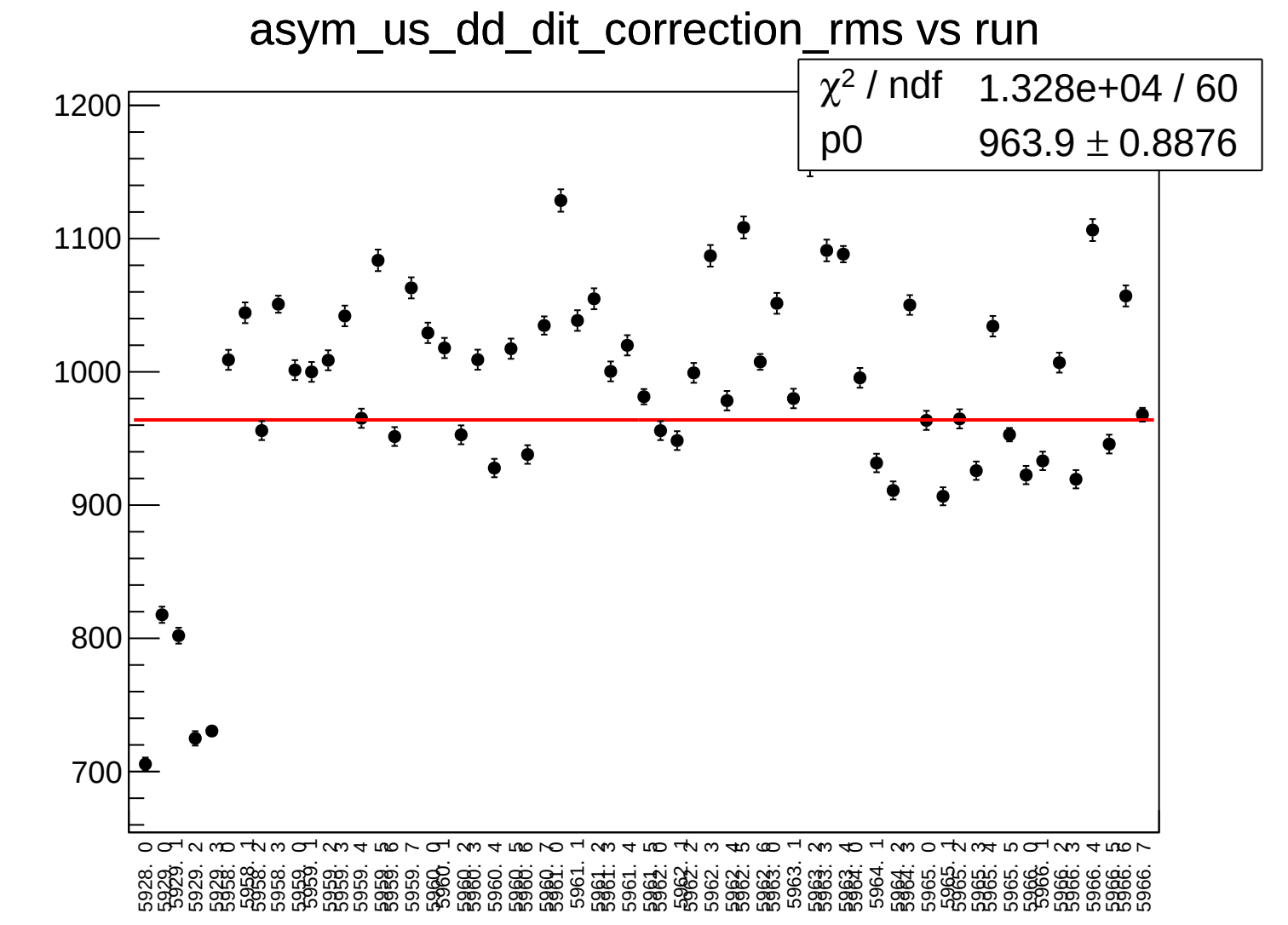

dit_asym_us_dd_mean vs run
χ² / ndf 70.78 / 60
p0 −589 ± 1026
pull
Entries 61
Mean −192.9
Std Dev 0

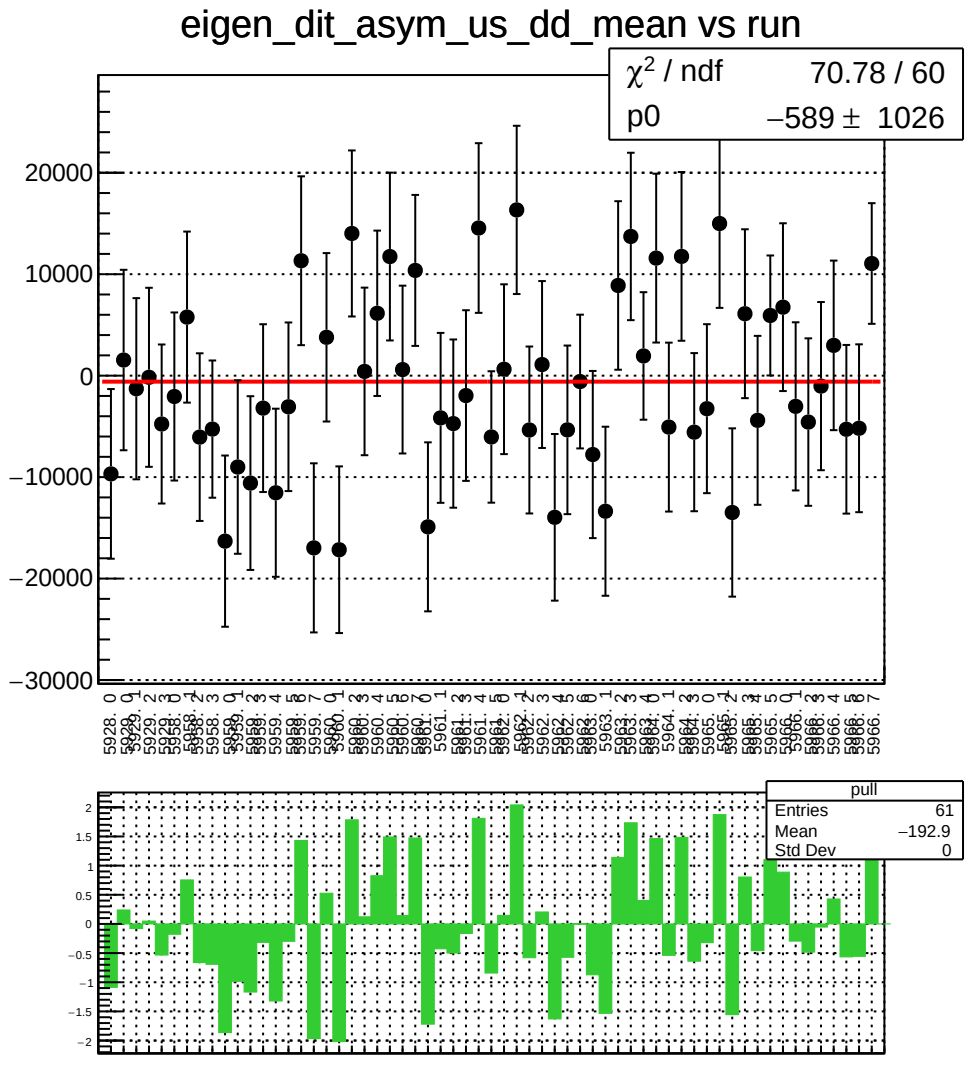

pull1D
Entries 61
Mean −0.01852
Std Dev 1.077

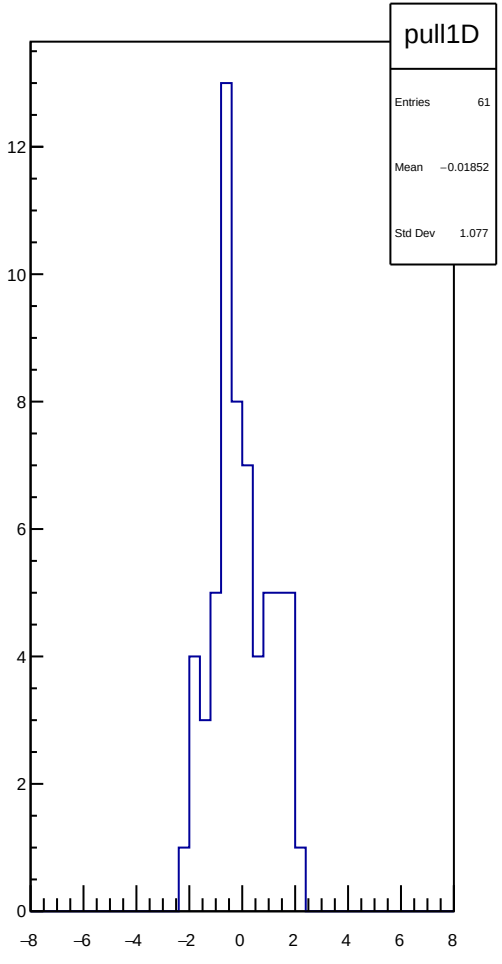

dit_asym_us_dd_rms vs run
χ² / ndf 495.4 / 60
p0 792.3 ± 0.7256
860
840
820
800
780
760

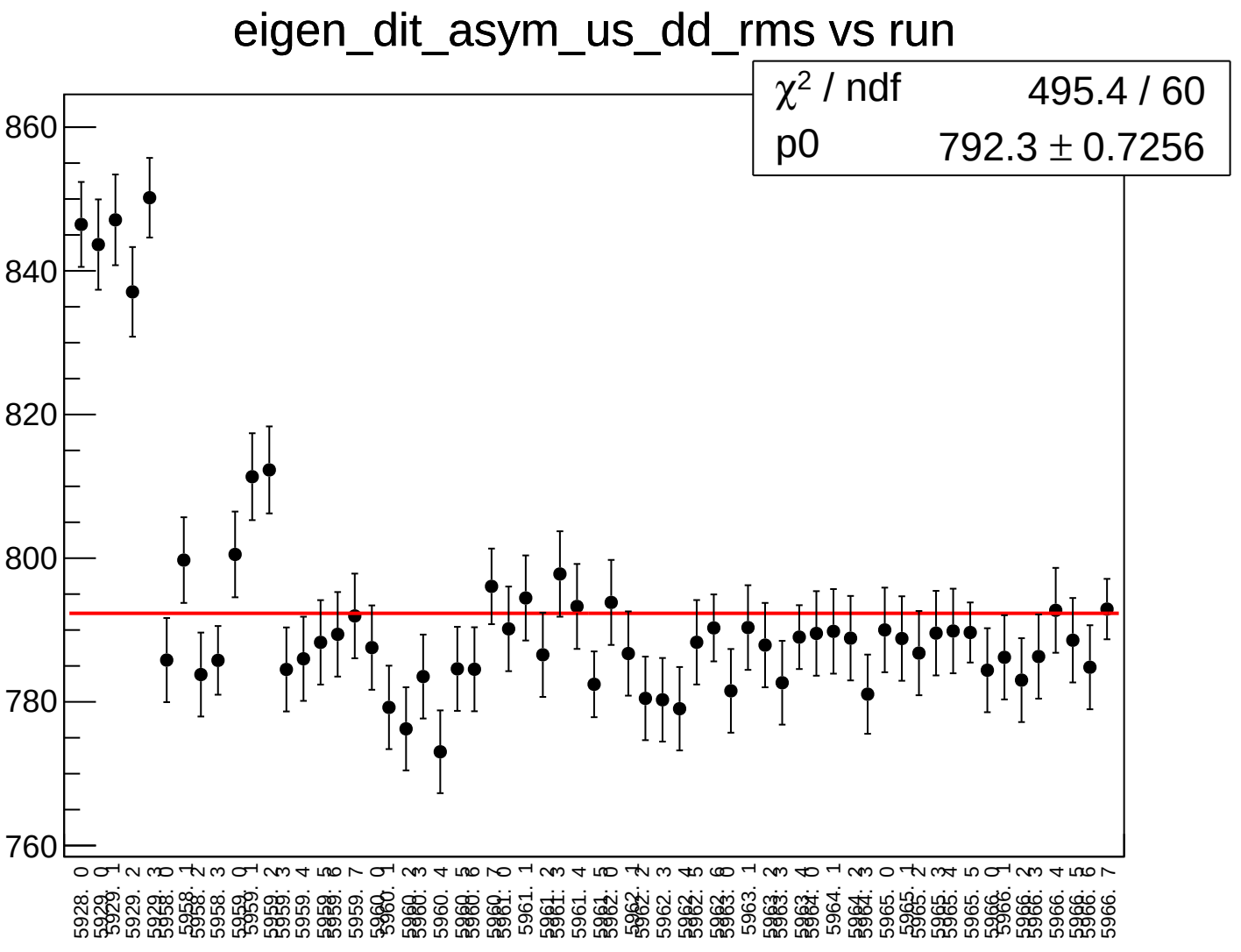

asym_us_dd_dit_correction_mean vs run
χ² / ndf 74.34 / 60
p0 −1473 ± 1255
pull
Entries 61
Mean 69.96
Std Dev 0

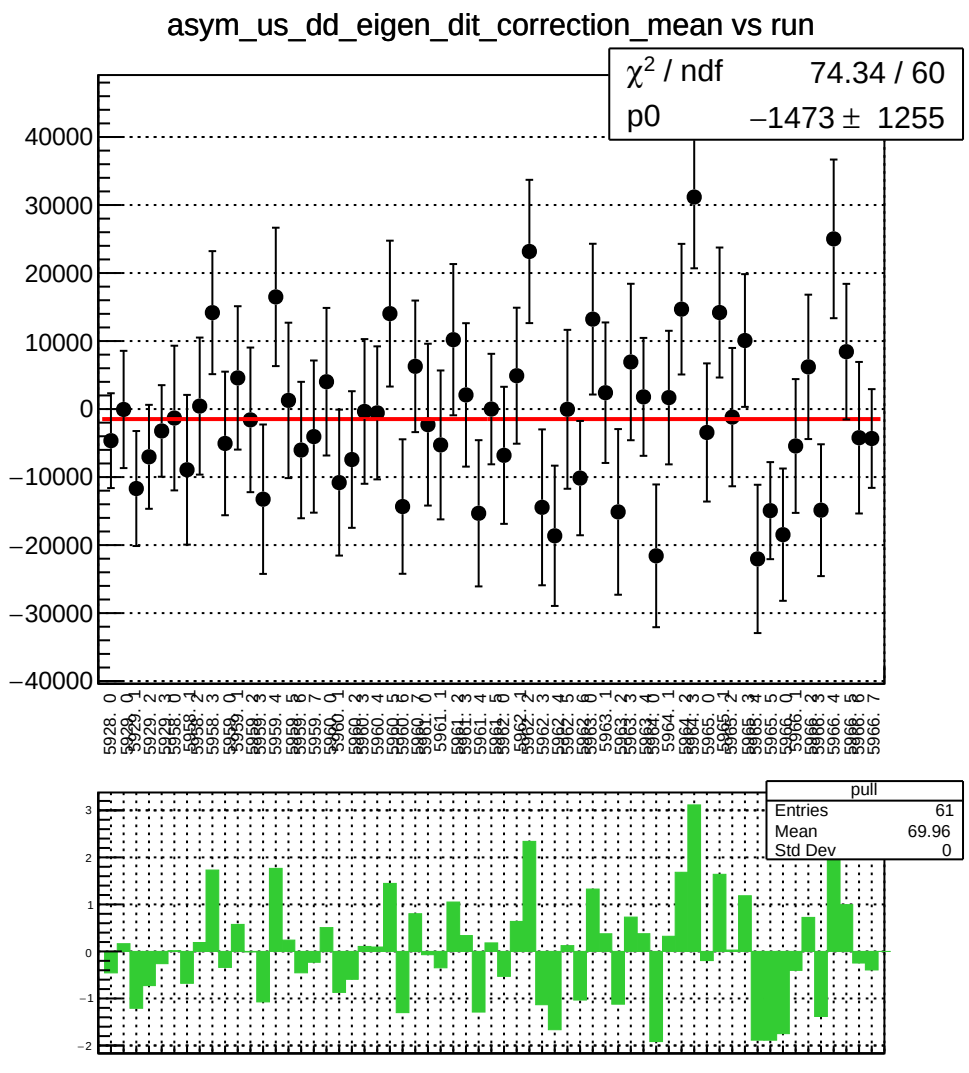

pull1D
Entries 61
Mean 0.02682
Std Dev 1.104

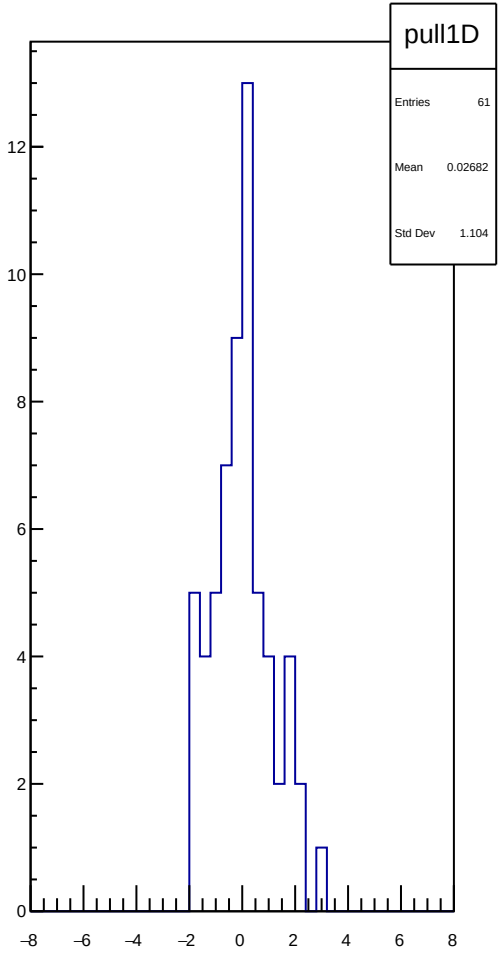

asym_us_dd_dit_correction_rms vs run
χ² / ndf 1.328e+04 / 60
p0 963.9 ± 0.8876
1200
1100
1000
900
800
700

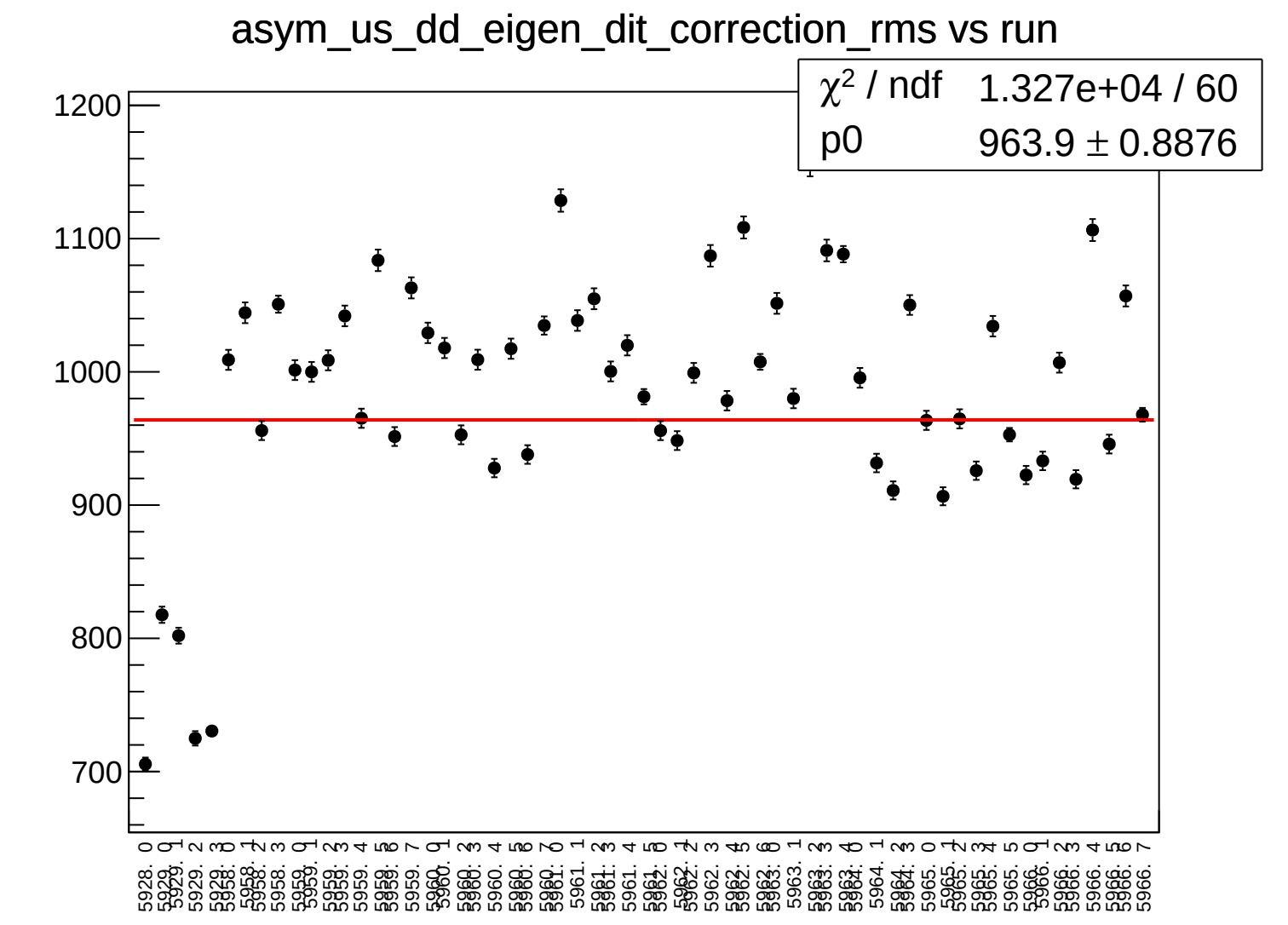

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 70.78 / 60
p0 −589 ± 1026
pull
Entries 61
Mean −192.9
Std Dev 0

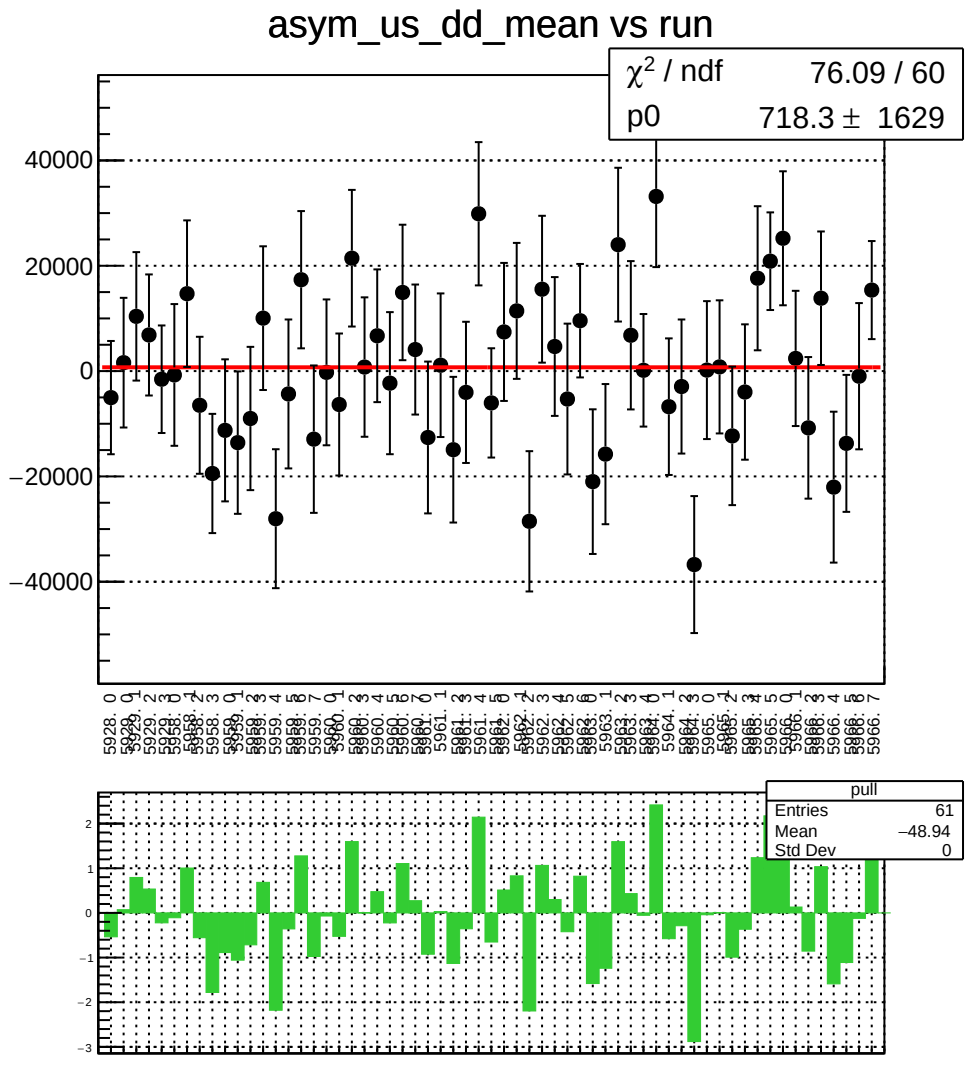

pull1D
Entries 61
Mean −0.01852
Std Dev 1.077

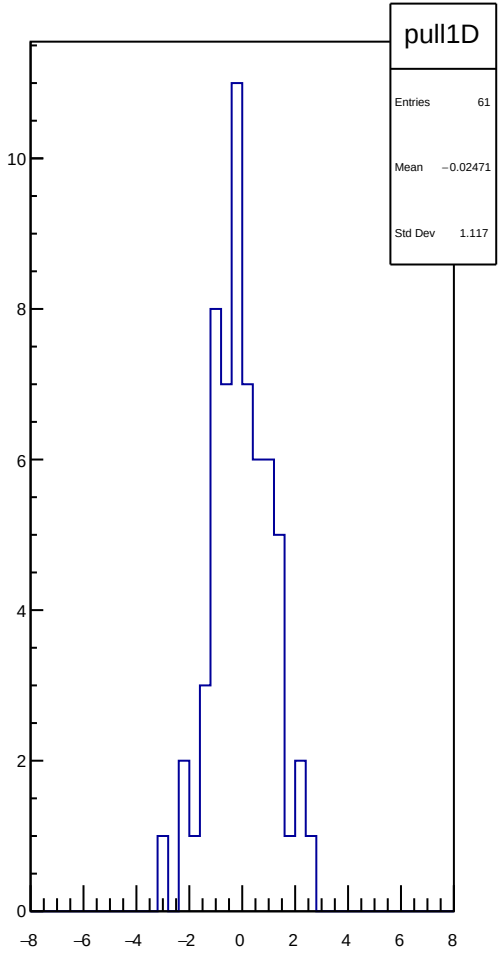

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 495.4 / 60
p0 792.3 ± 0.7256
860
840
820
800
780
760

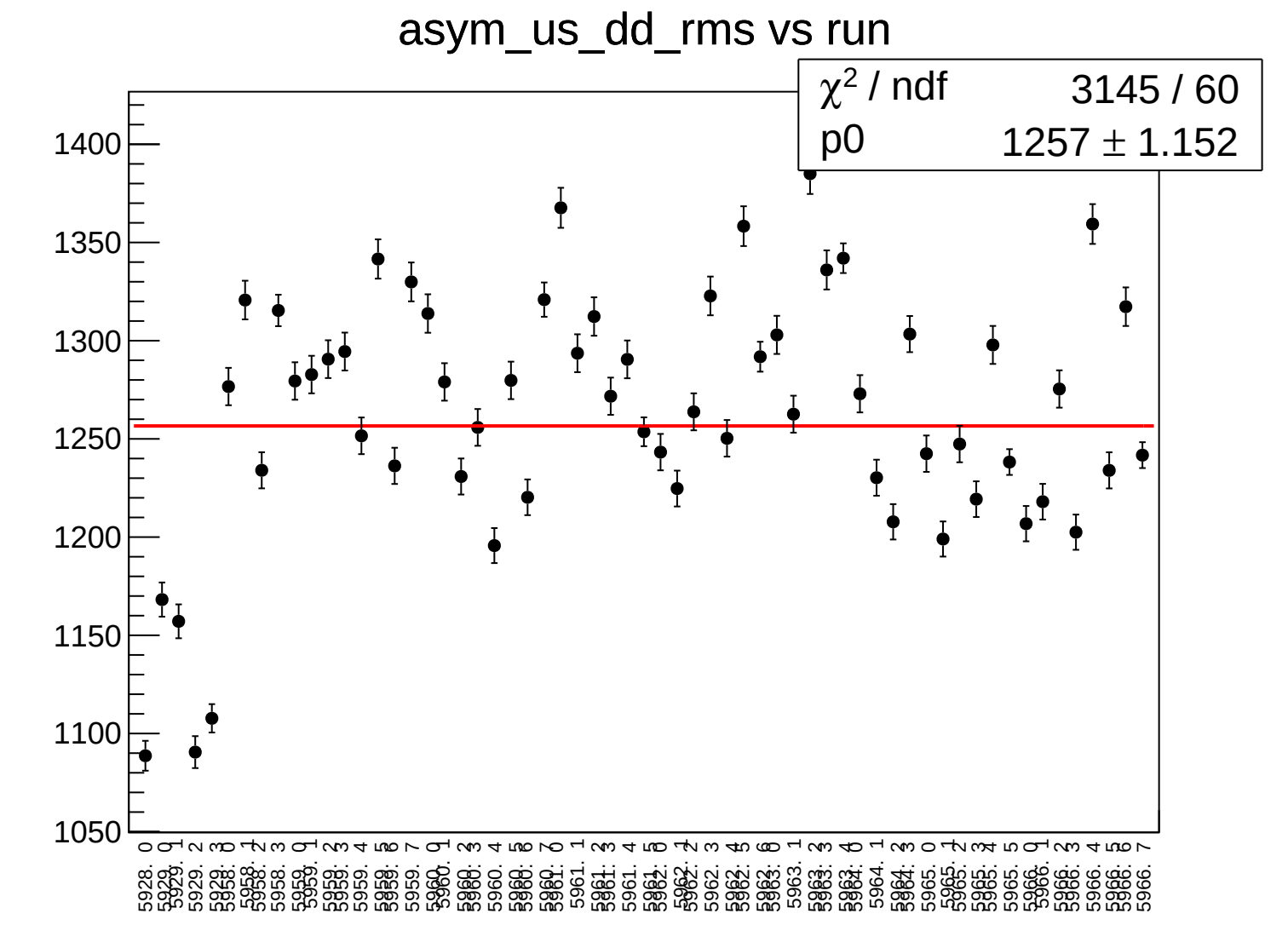

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.34 / 60
p0 −1473 ± 1255
pull
Entries 61
Mean 69.96
Std Dev 0

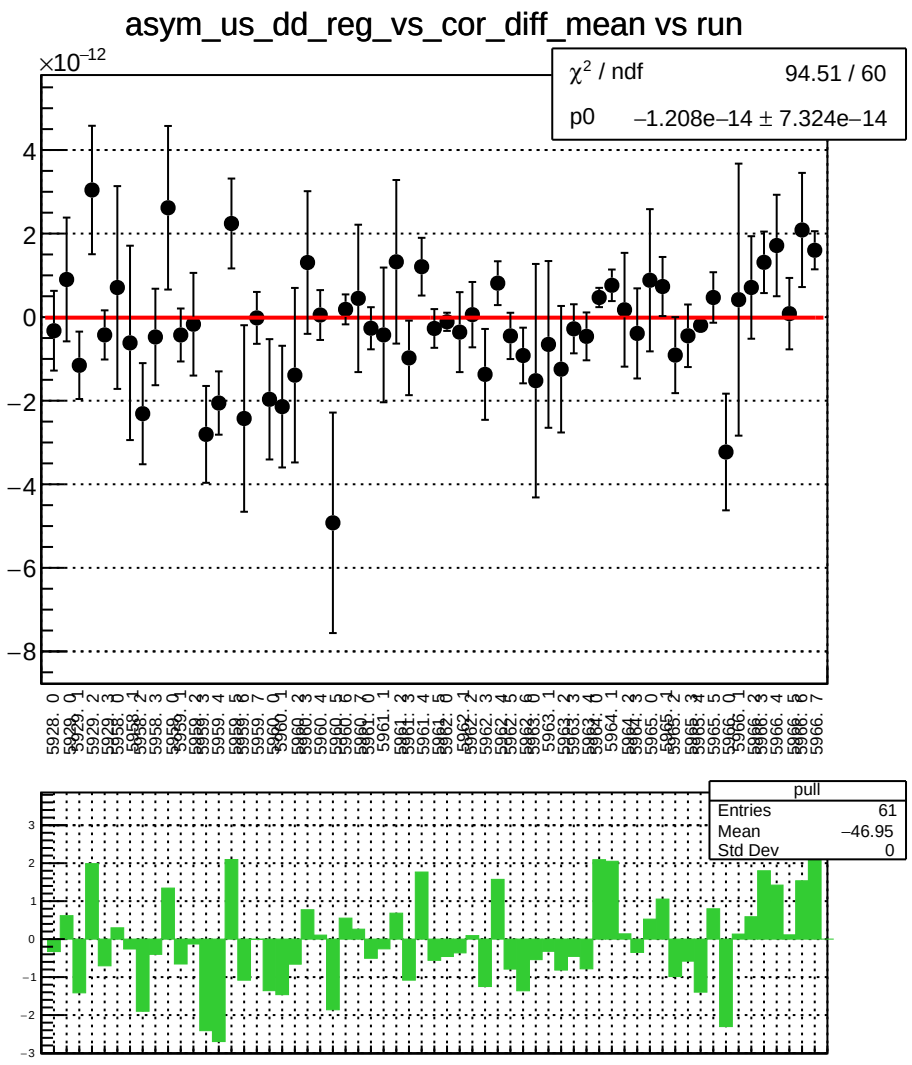

pull1D
Entries 61
Mean 0.02682
Std Dev 1.104

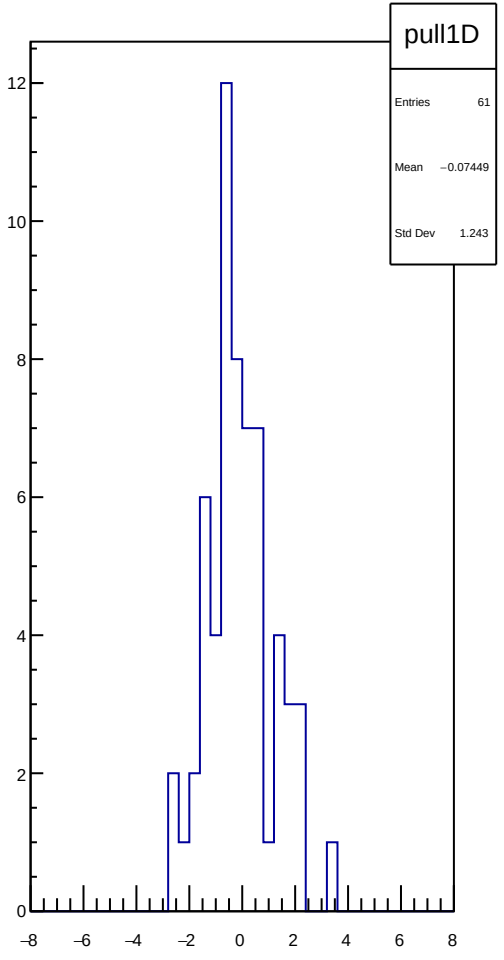

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.327e+04 / 60
p0 963.9 ± 0.8876
1200
1100
1000
900
800
700

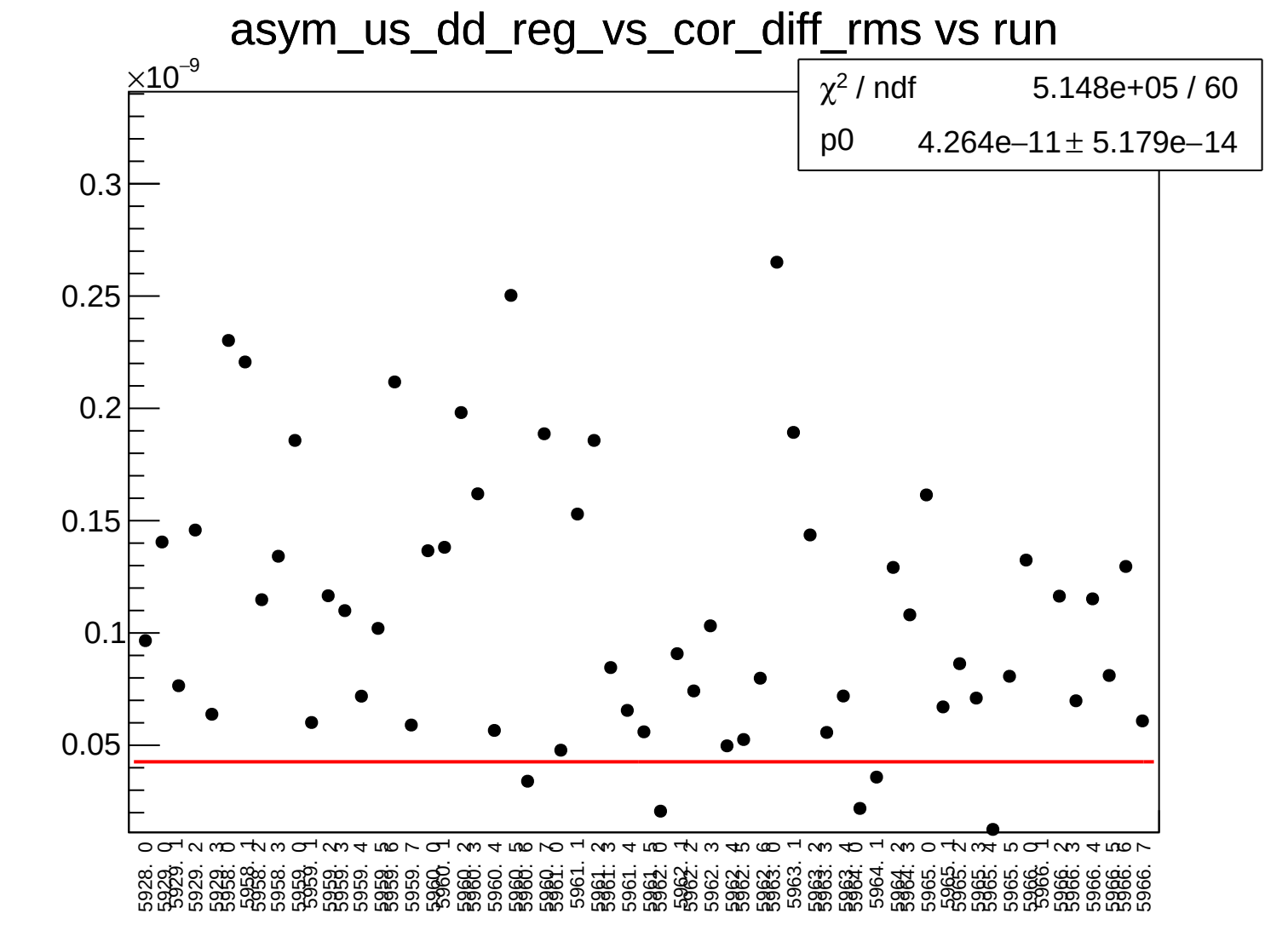

asym_us_dd_mean vs run
χ² / ndf 76.09 / 60
p0 718.3 ± 1629
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −48.94
Std Dev 0
2
1
0
−1
−2
−3

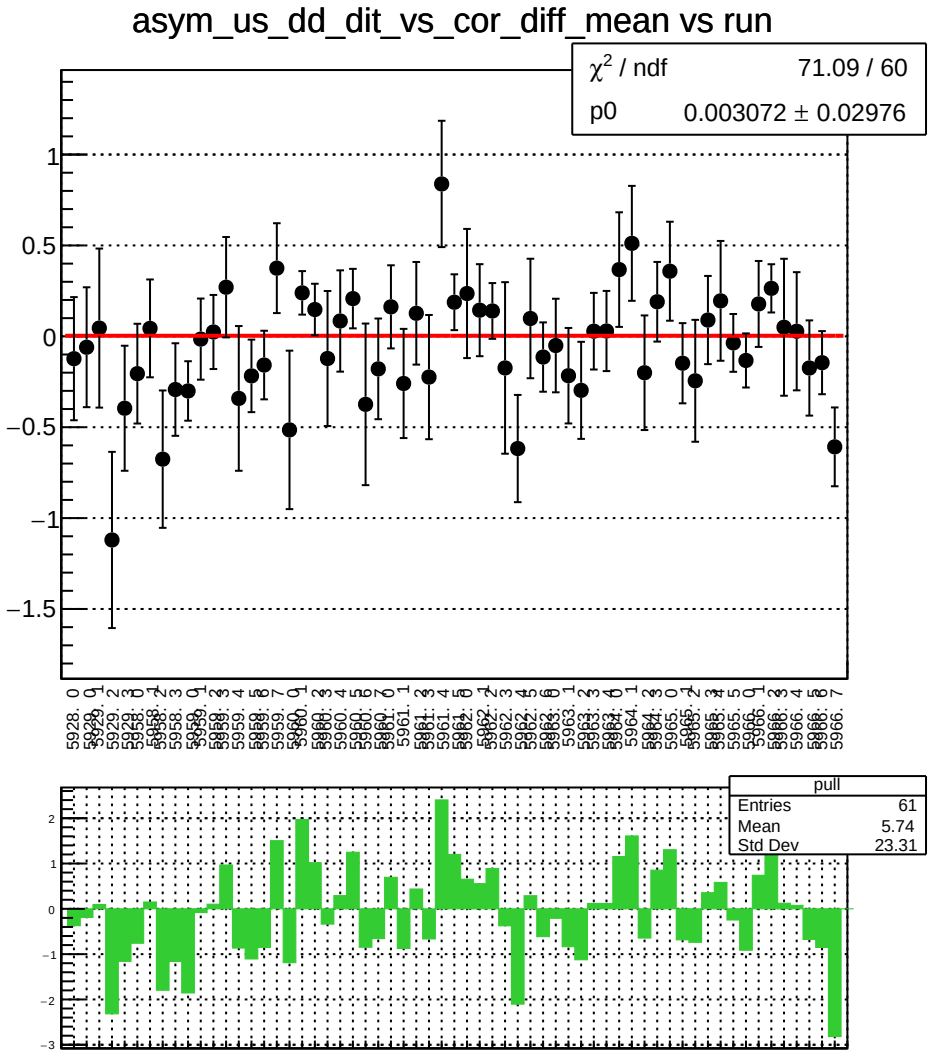

pull1D
Entries 61
Mean −0.02471
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

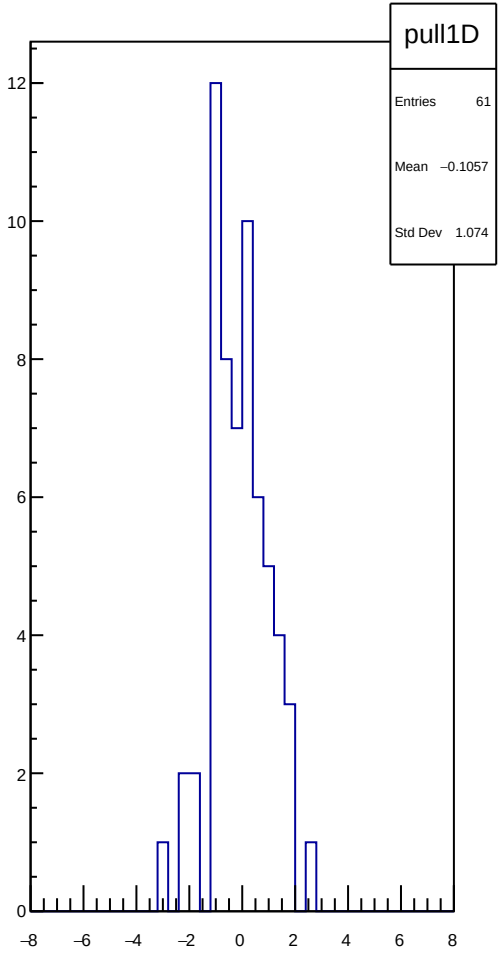

asym_us_dd_rms vs run
χ² / ndf 3145 / 60
p0 1257 ± 1.152
1400
1350
1300
1250
1200
1150
1100
1050

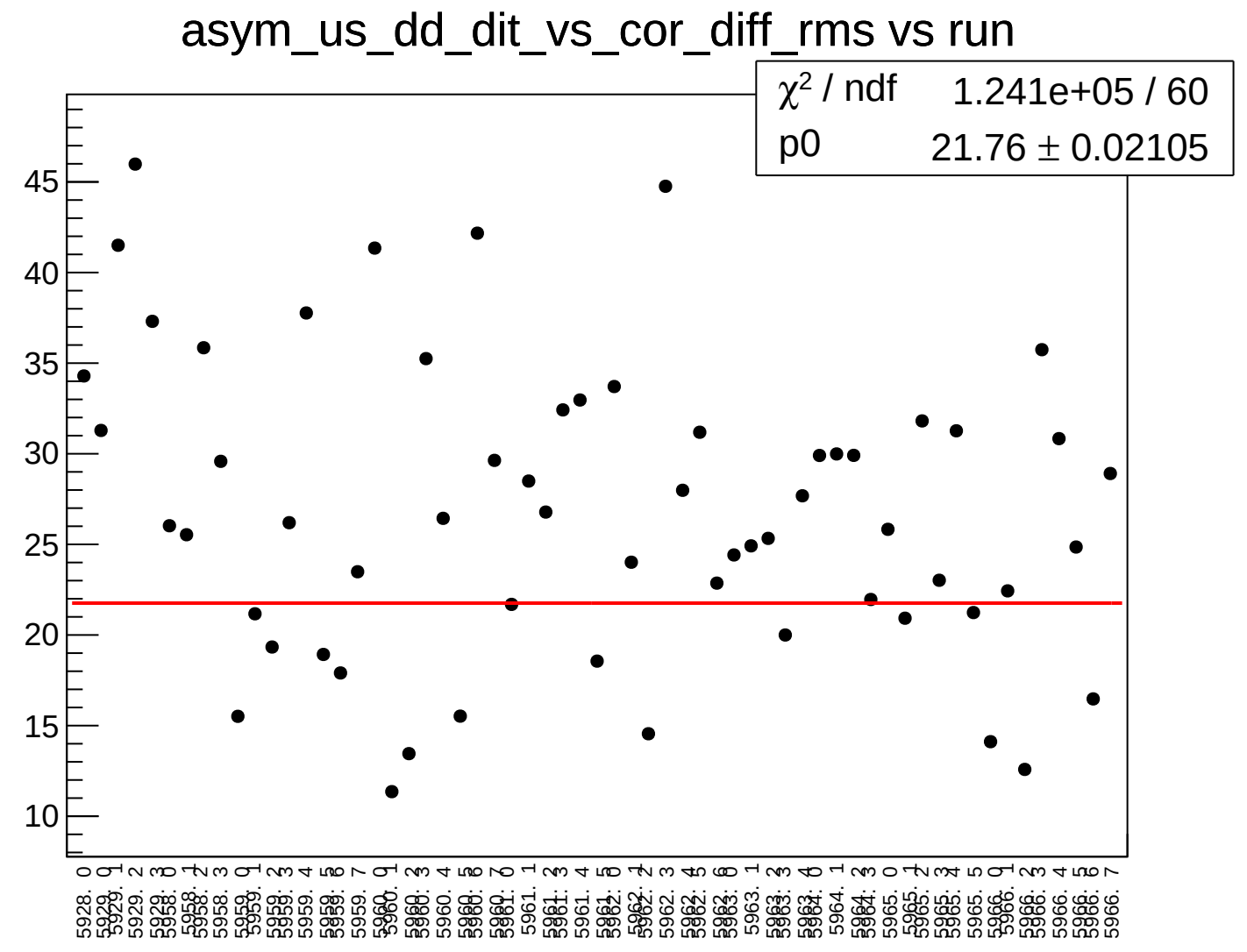

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.51 / 60
p0 −1.208e−14 ± 7.324e−14
pull
Entries 61
Mean −46.95
Std Dev 0

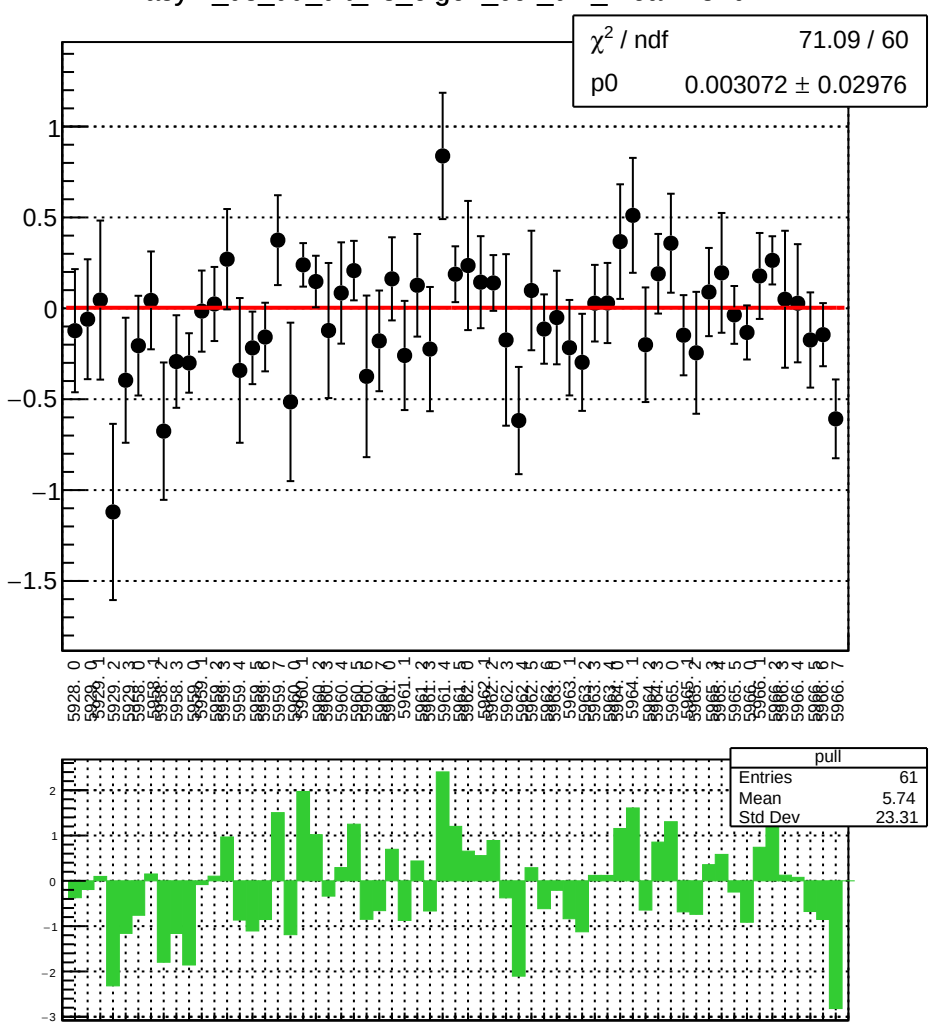

pull1D
Entries 61
Mean −0.07449
Std Dev 1.243

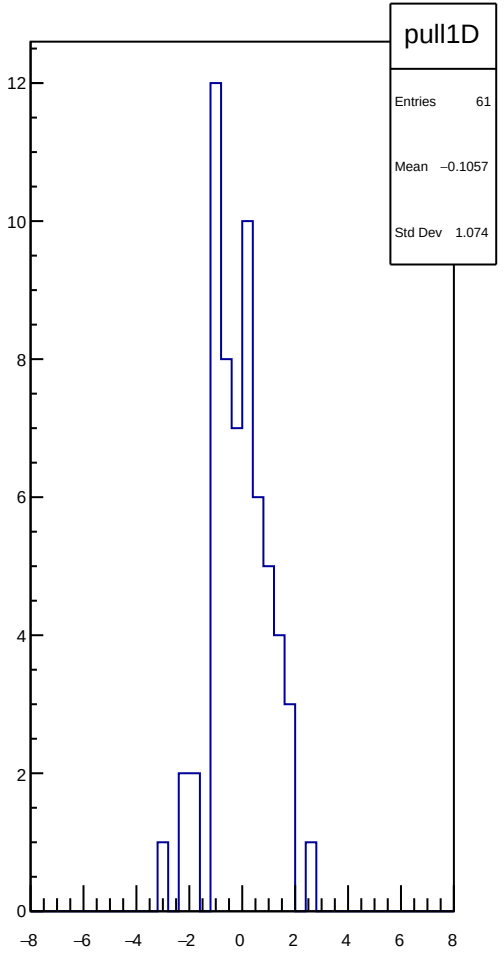

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.148e+05 / 60
p0 4.264e−11 ± 5.179e−14
0.3
0.25
0.2
0.15
0.1
0.05

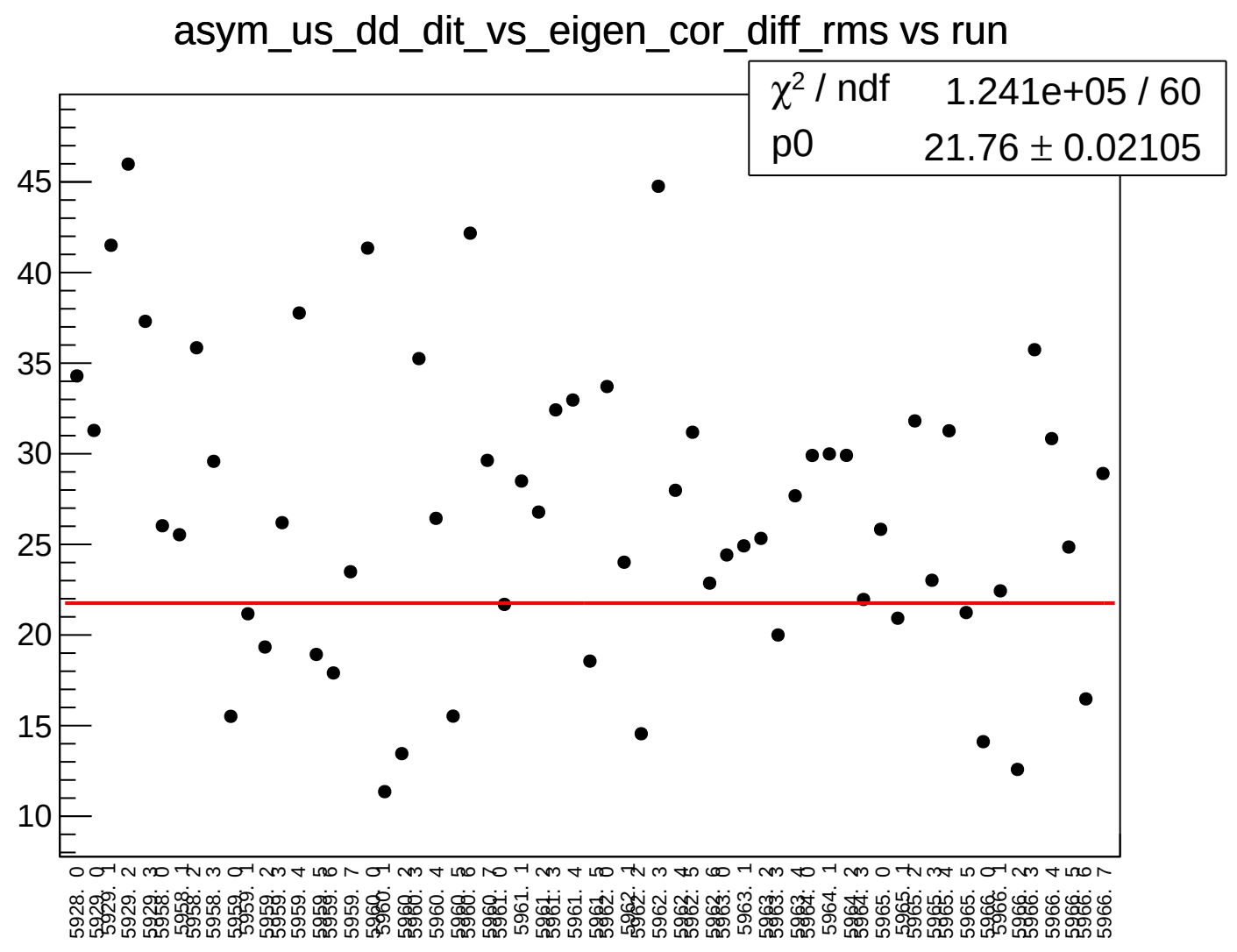

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.09 / 60
p0 0.003072 ± 0.02976
pull
Entries 61
Mean 5.74
Std Dev 23.31

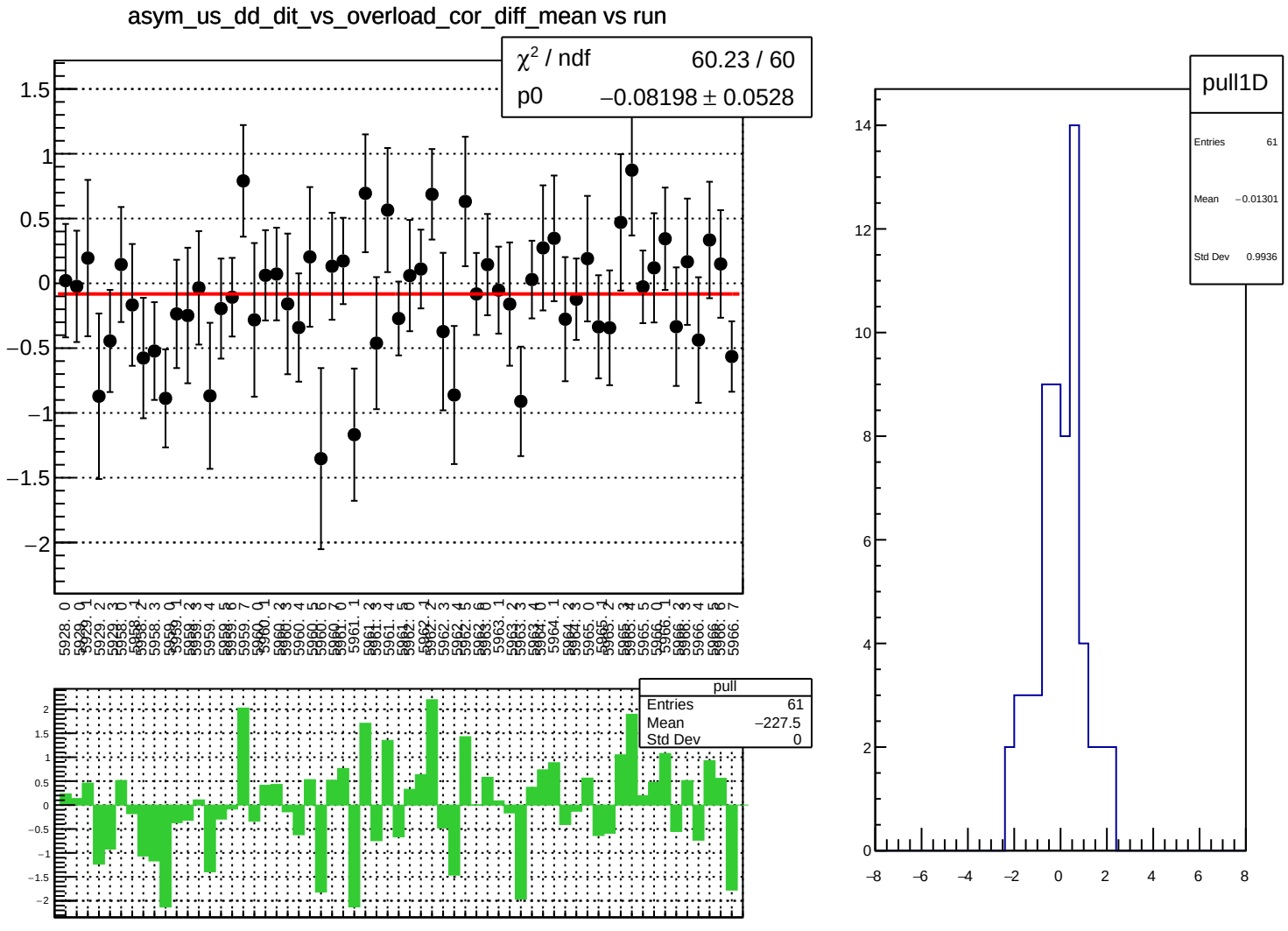

pull1D
Entries 61
Mean −0.1057
Std Dev 1.074

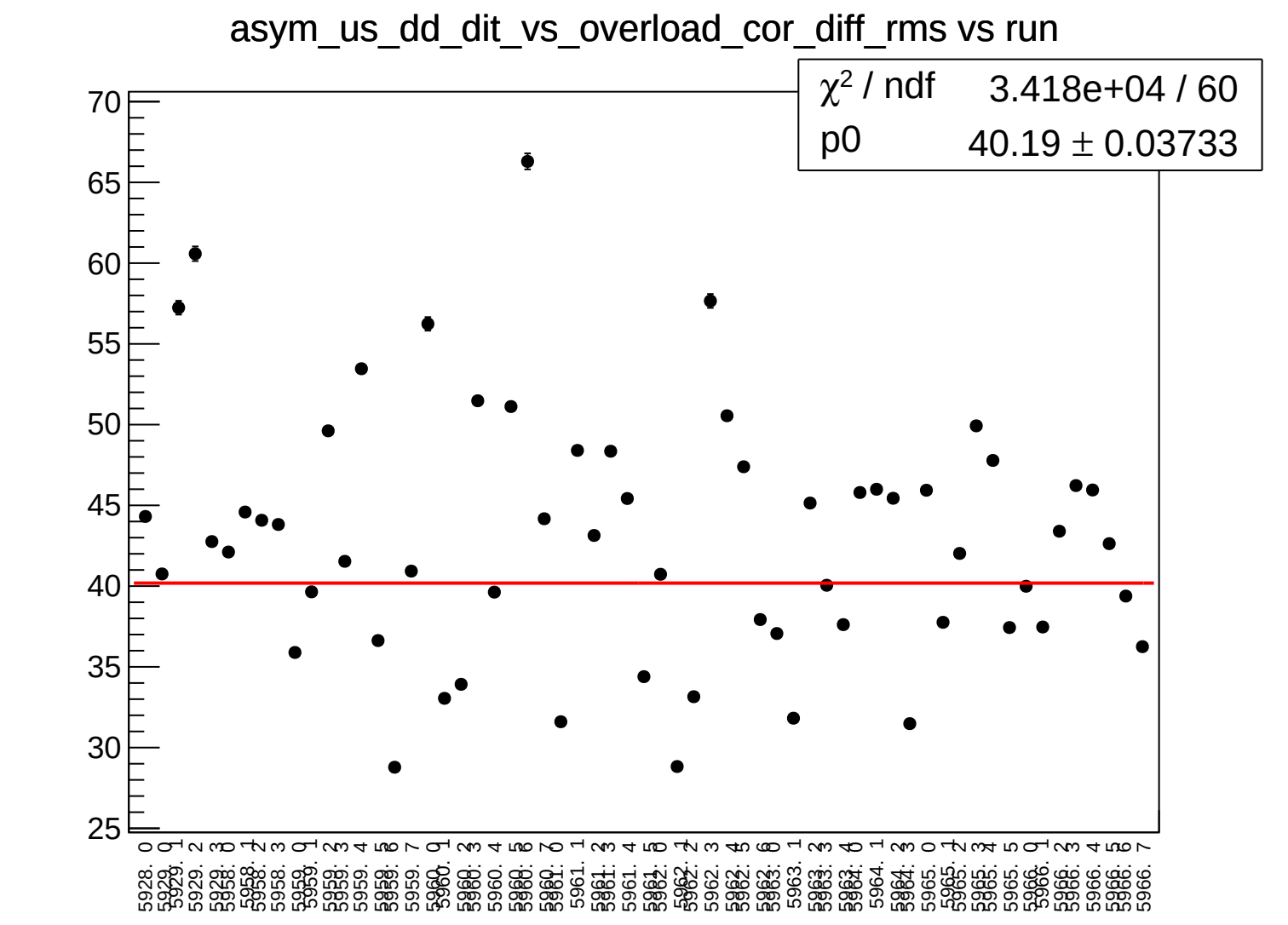

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.241e+05 / 60
p0 21.76 ± 0.02105
45
40
35
30
25
20
15
10

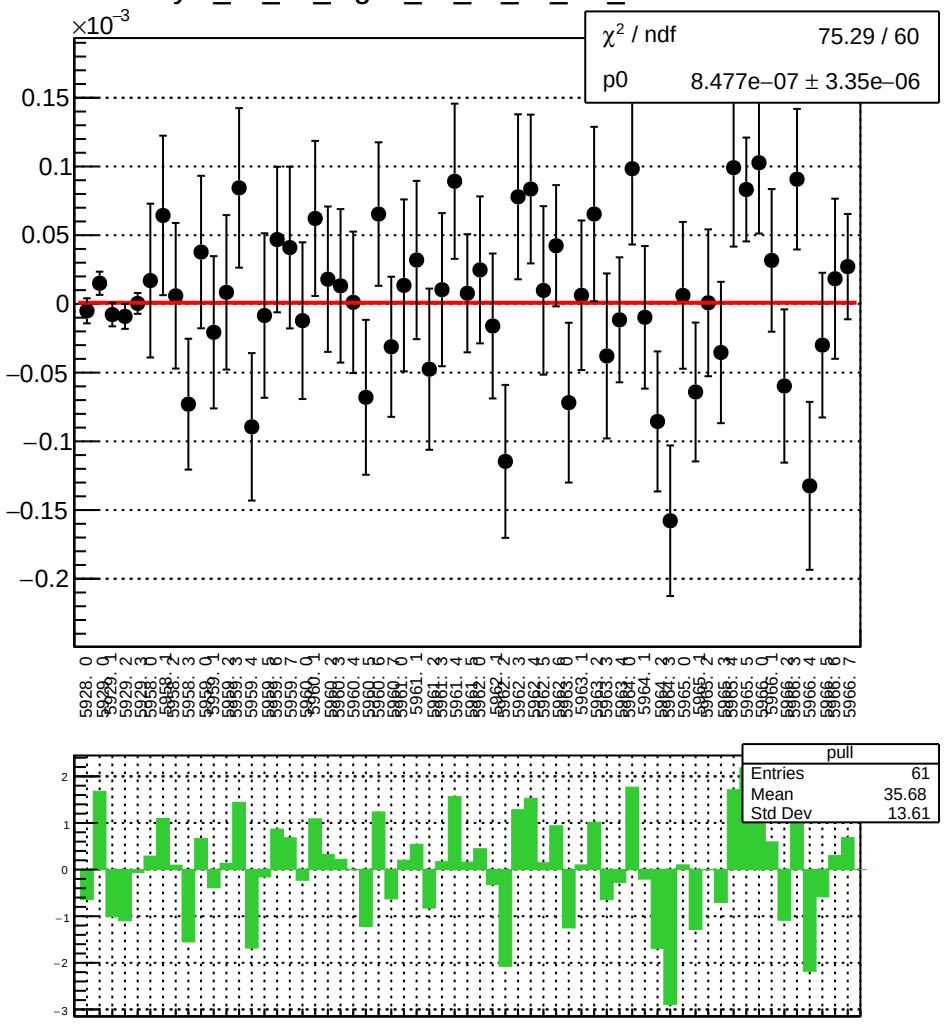

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.09 / 60
p0 0.003072 ± 0.02976
pull
Entries 61
Mean 5.74
Std Dev 23.31

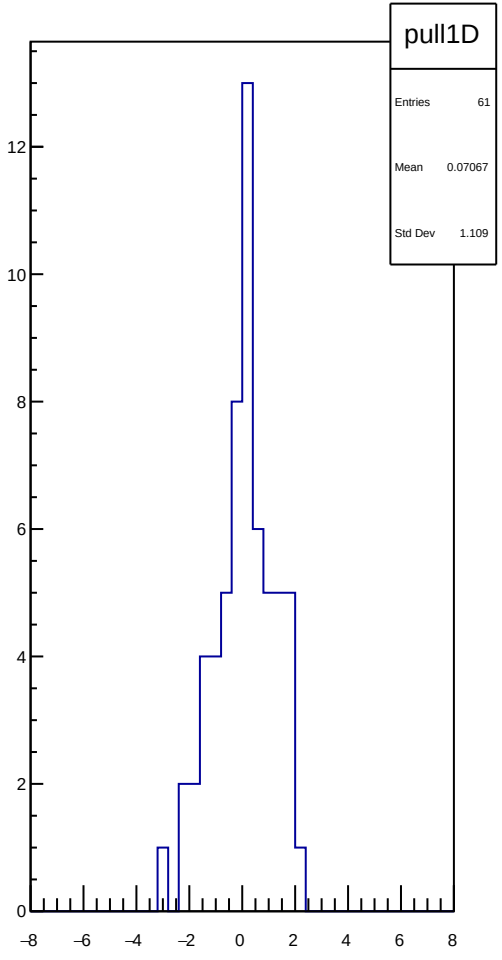

pull1D
Entries 61
Mean −0.1057
Std Dev 1.074

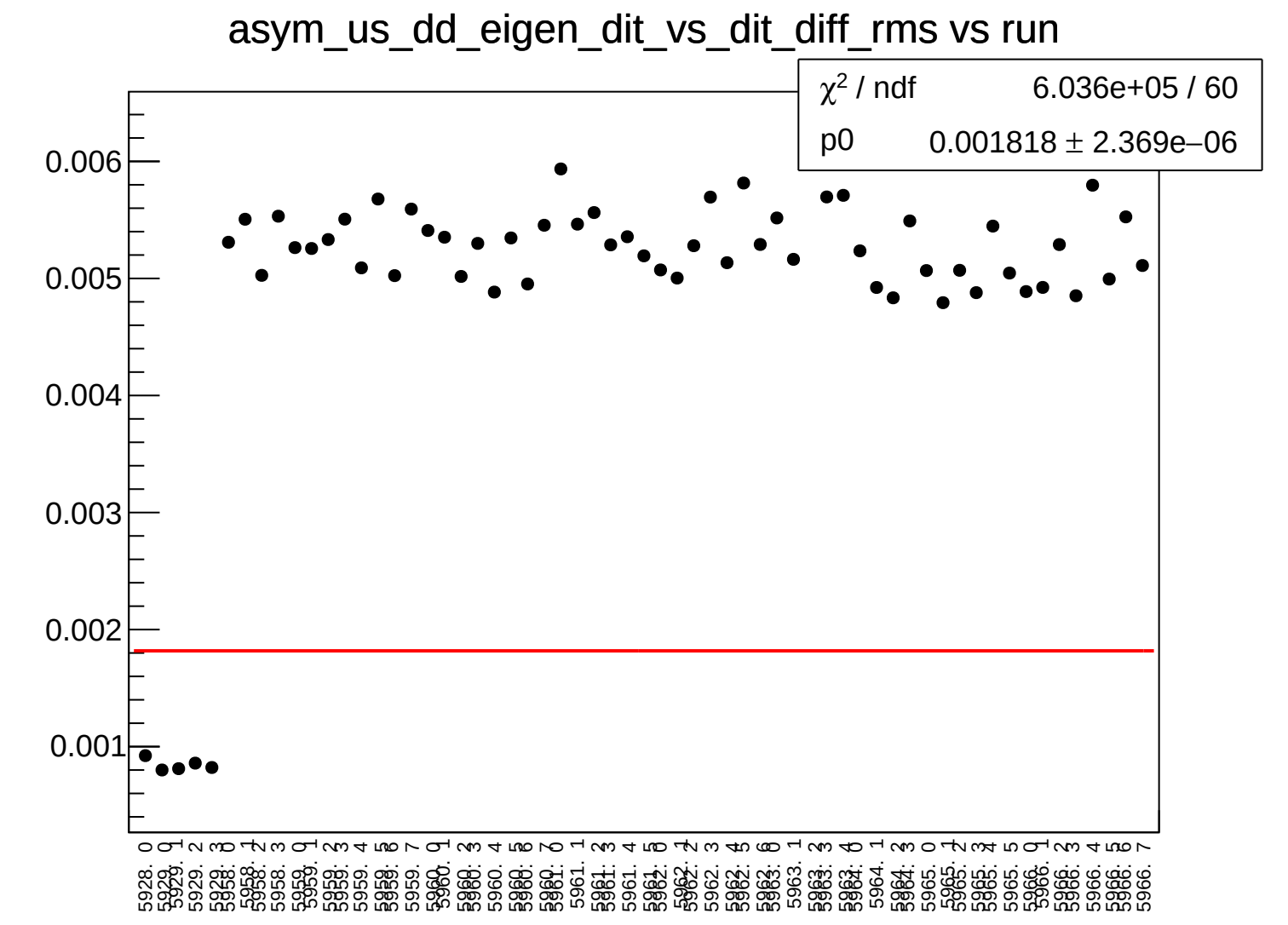

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.241e+05 / 60
p0 21.76 ± 0.02105
45
40
35
30
25
20
15
10

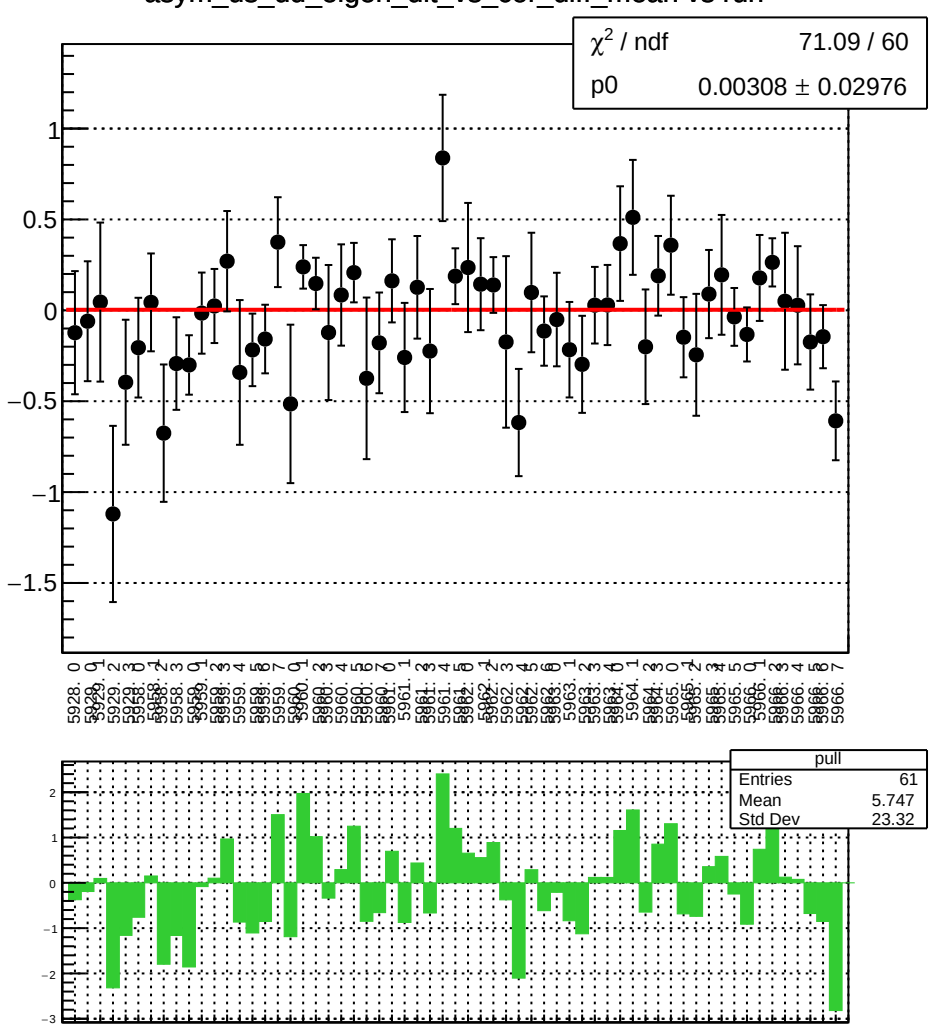

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 60.23 / 60
p0 −0.08198 ± 0.0528
pull
Entries 61
Mean −227.5
Std Dev 0
pull1D
Entries 61
Mean −0.01301
Std Dev 0.9936

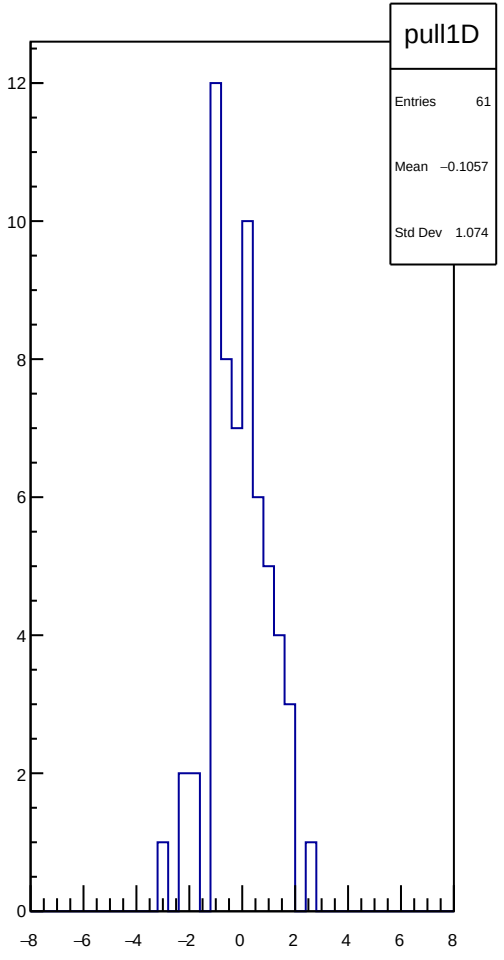

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.418e+04 / 60
p0 40.19 ± 0.03733
70
65
60
55
50
45
40
35
30
25

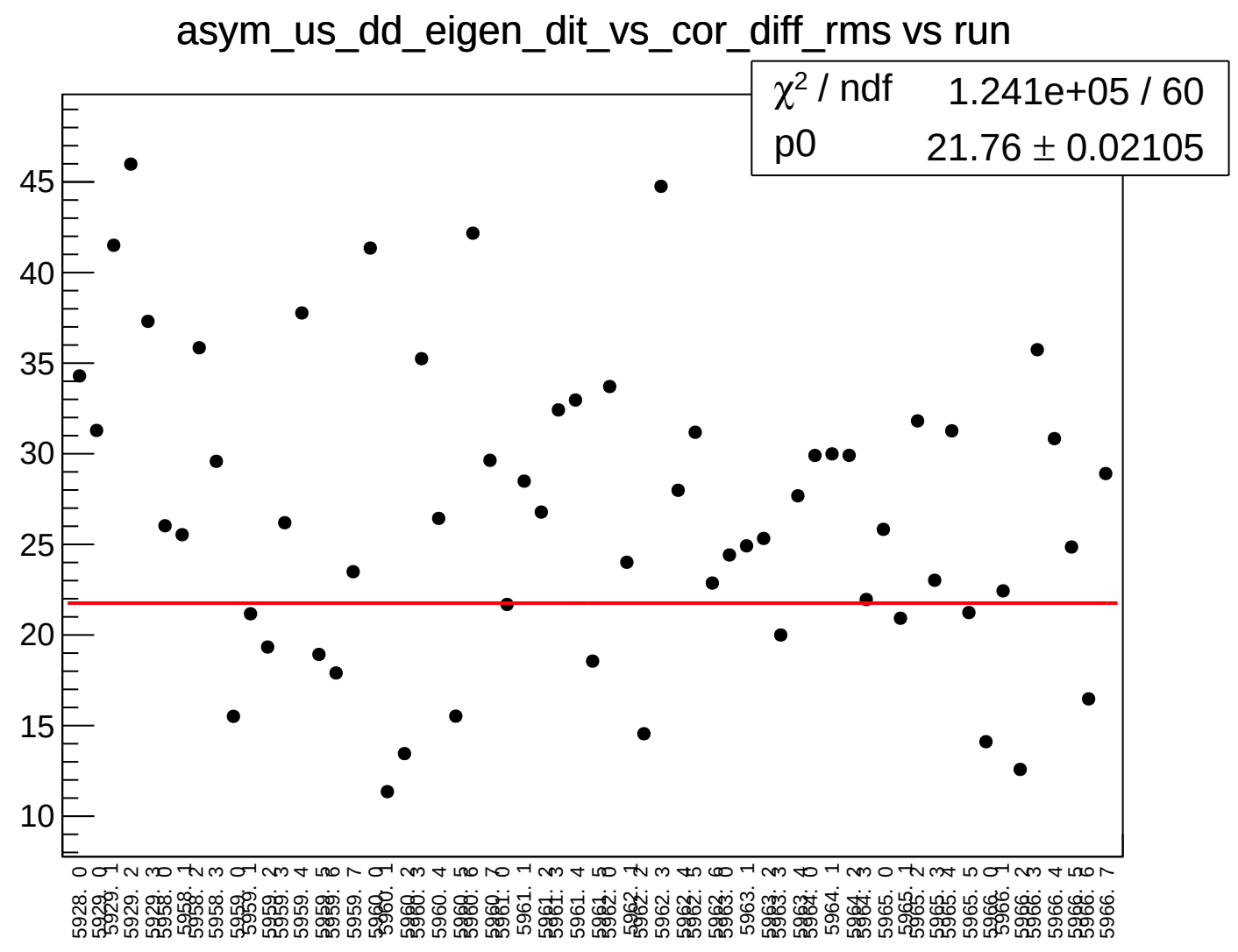

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 75.29 / 60
p0 8.477e−07 ± 3.35e−06
pull
Entries 61
Mean 35.68
Std Dev 13.61

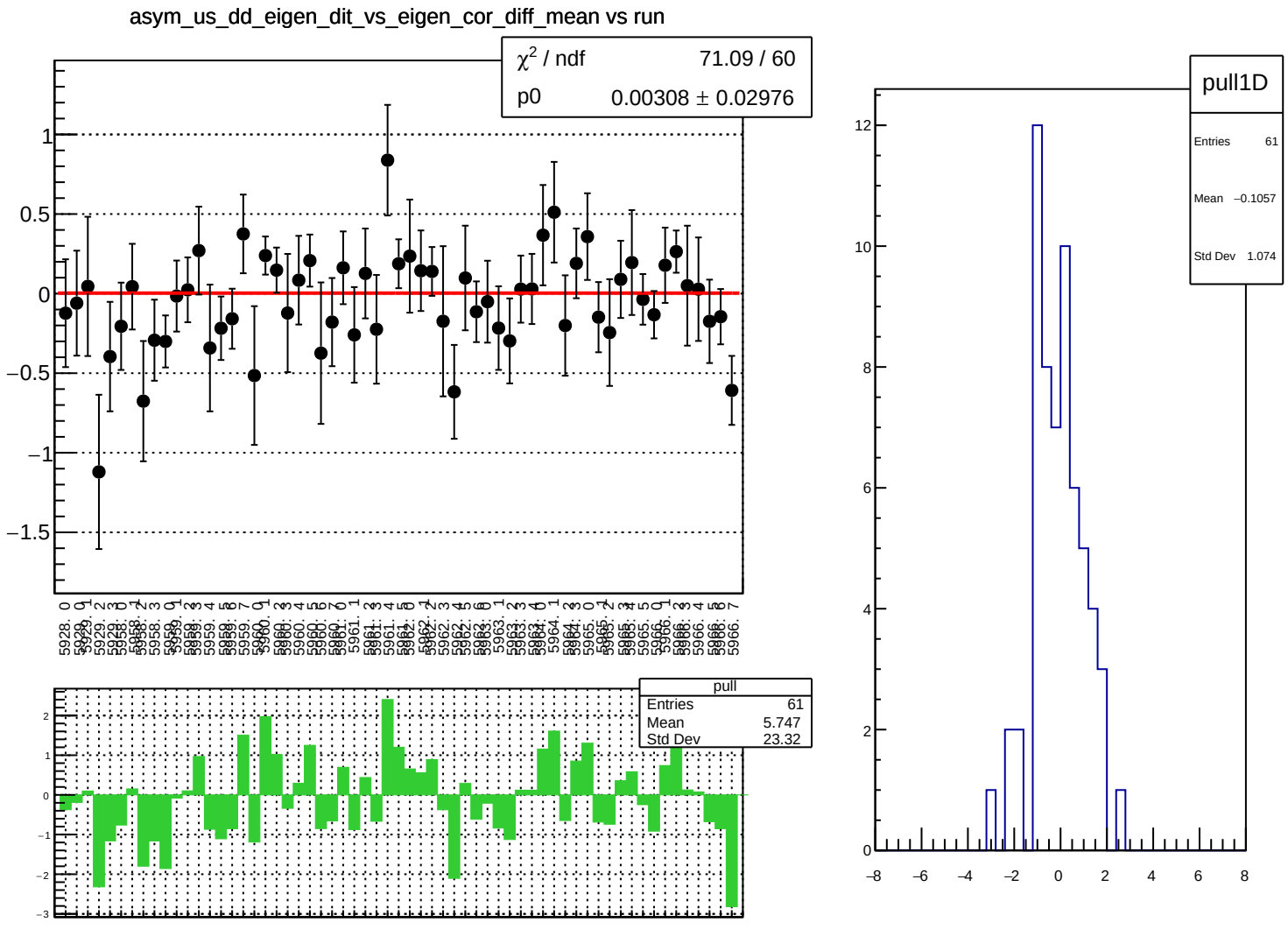

pull1D
Entries 61
Mean 0.07067
Std Dev 1.109

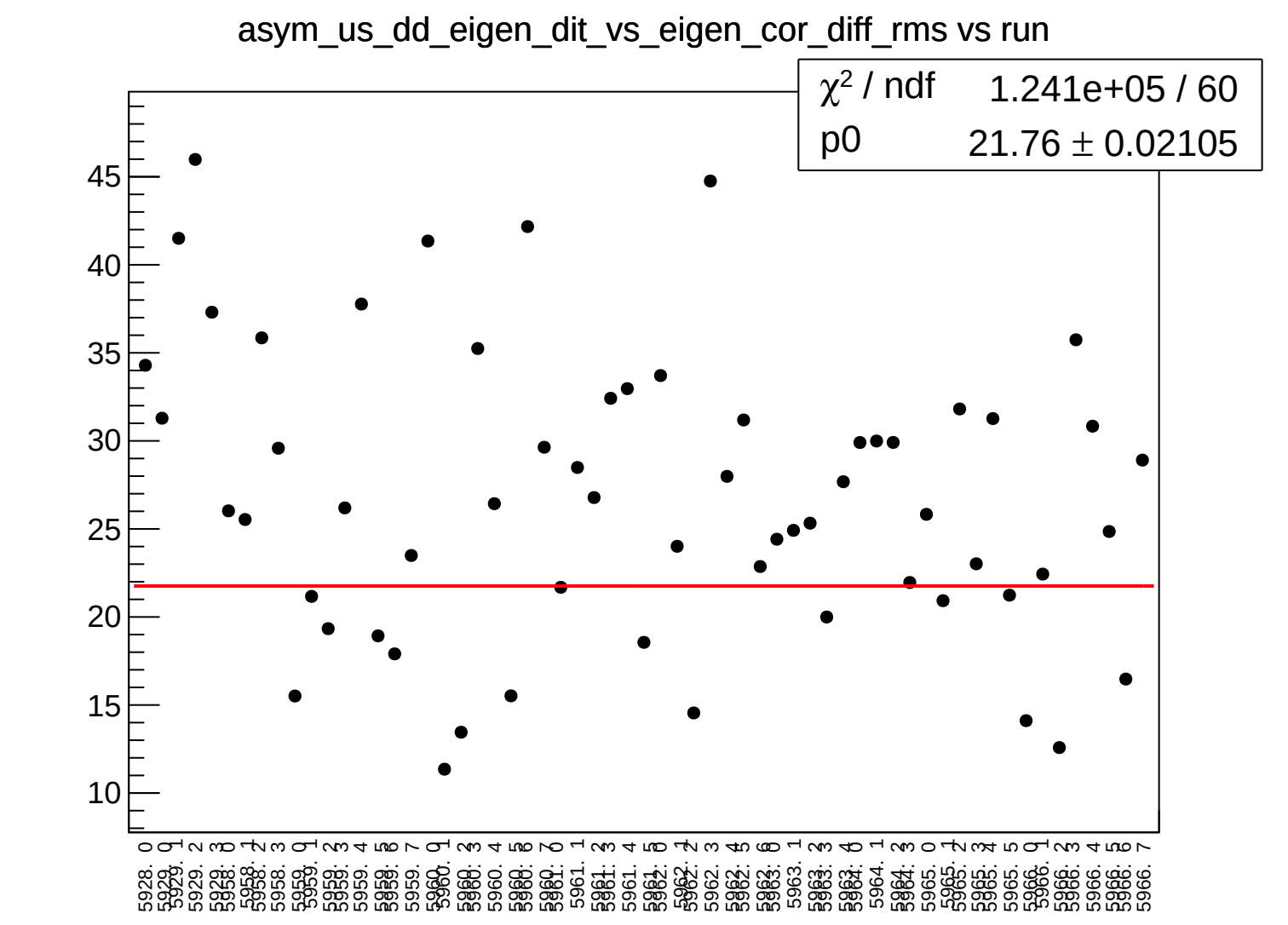

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.036e+05 / 60
p0 0.001818 ± 2.369e−06
0.006
0.005
0.004
0.003
0.002
0.001

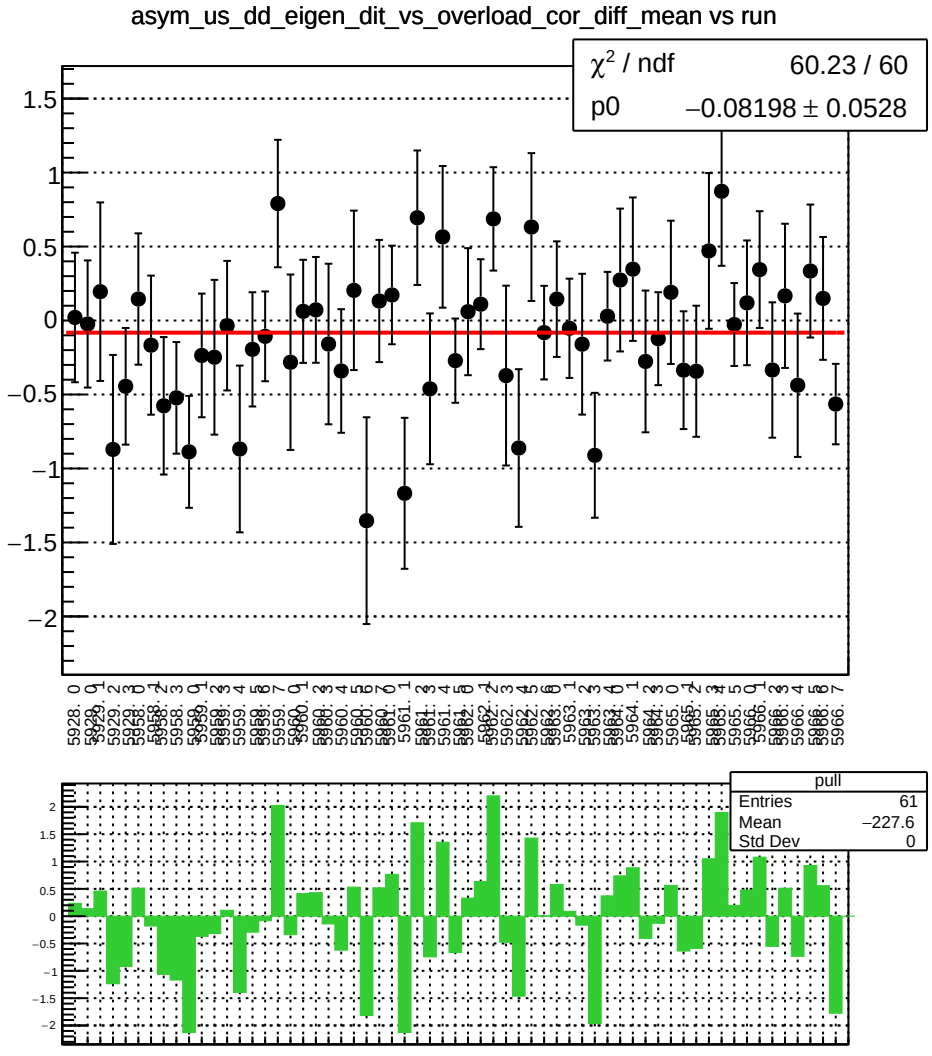

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.09 / 60
p0 0.00308 ± 0.02976
pull
Entries 61
Mean 5.747
Std Dev 23.32

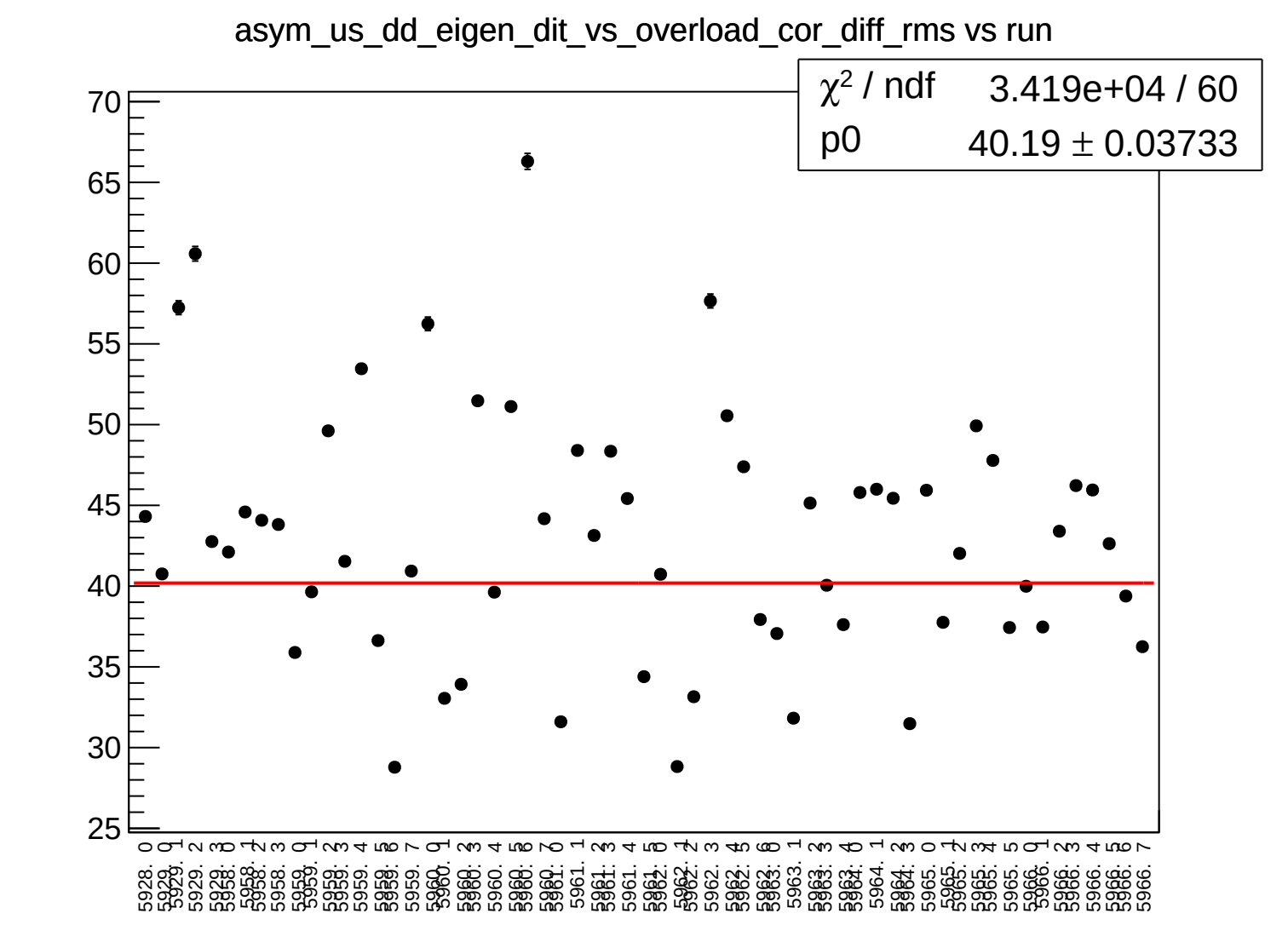

pull1D
Entries 61
Mean −0.1057
Std Dev 1.074

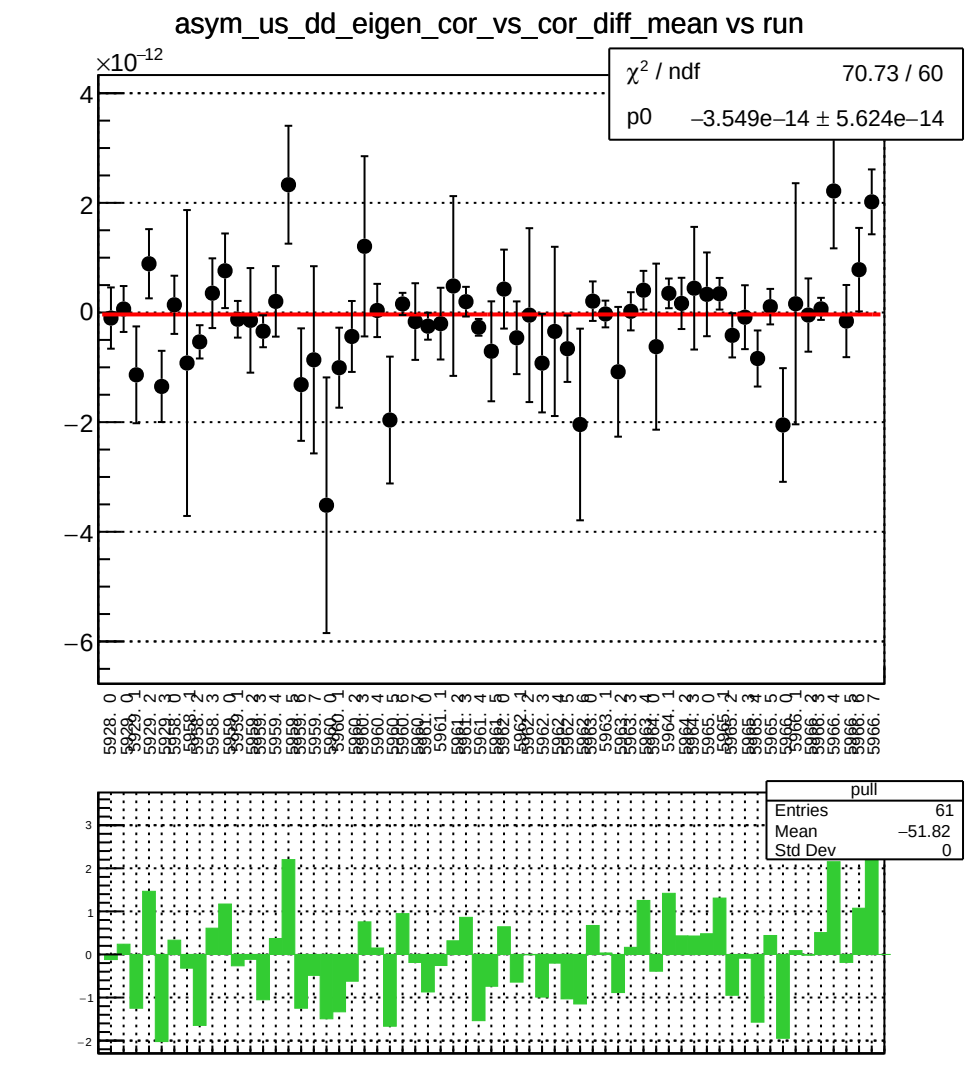

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.241e+05 / 60
p0 21.76 ± 0.02105
45
40
35
30
25
20
15
10

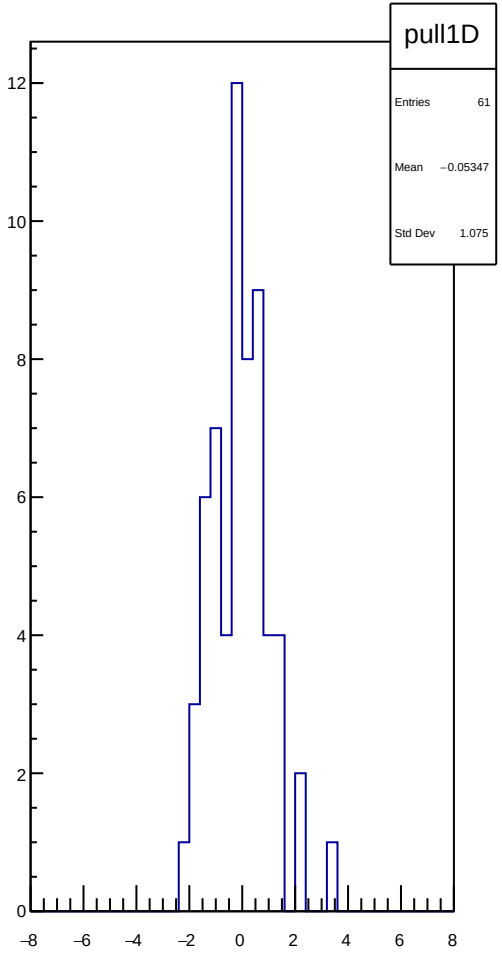

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.09 / 60
p0 0.00308 ± 0.02976
pull
Entries 61
Mean 5.747
Std Dev 23.32
pull1D
Entries 61
Mean −0.1057
Std Dev 1.074

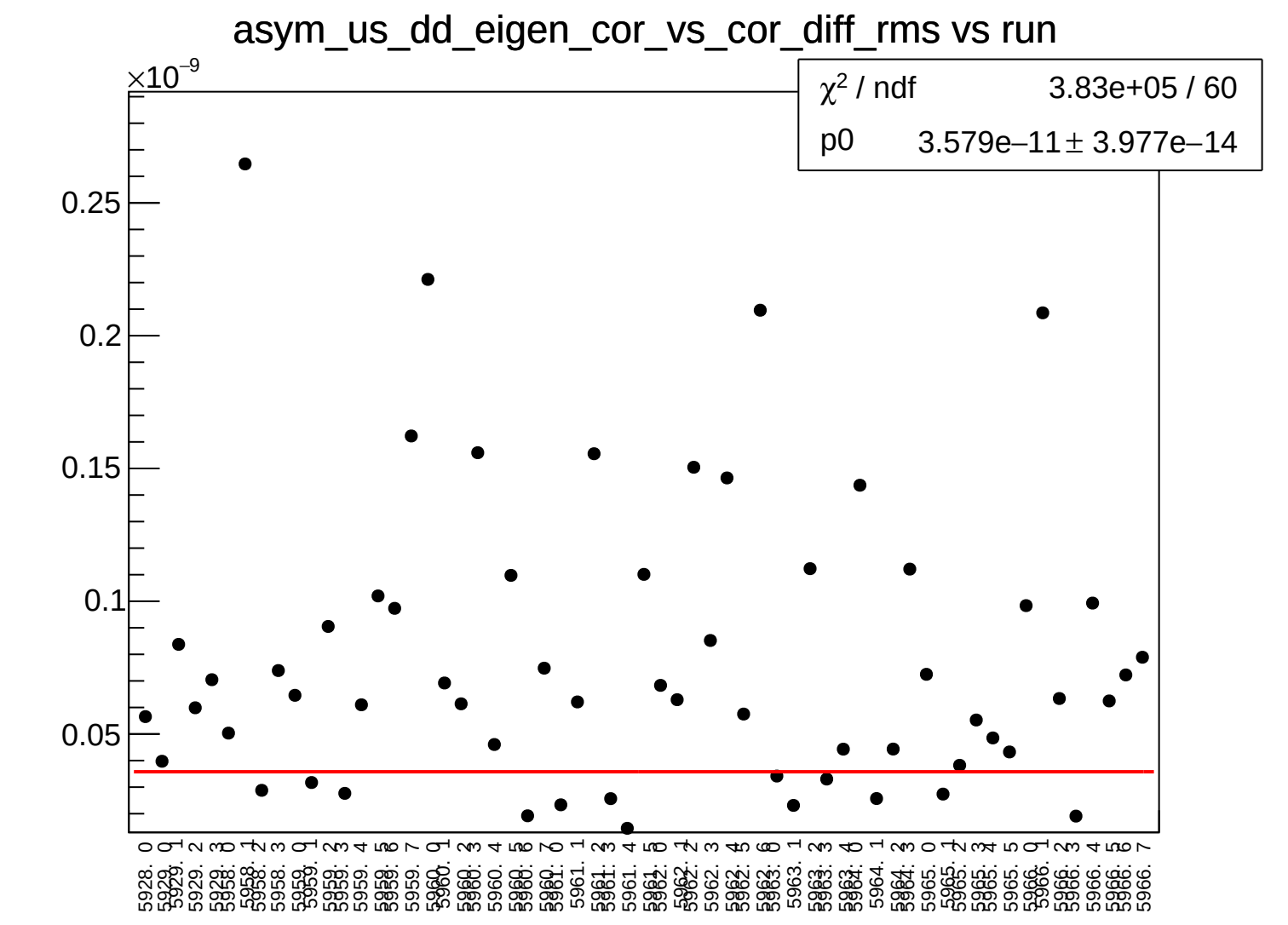

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.241e+05 / 60
p0 21.76 ± 0.02105
45
40
35
30
25
20
15
10

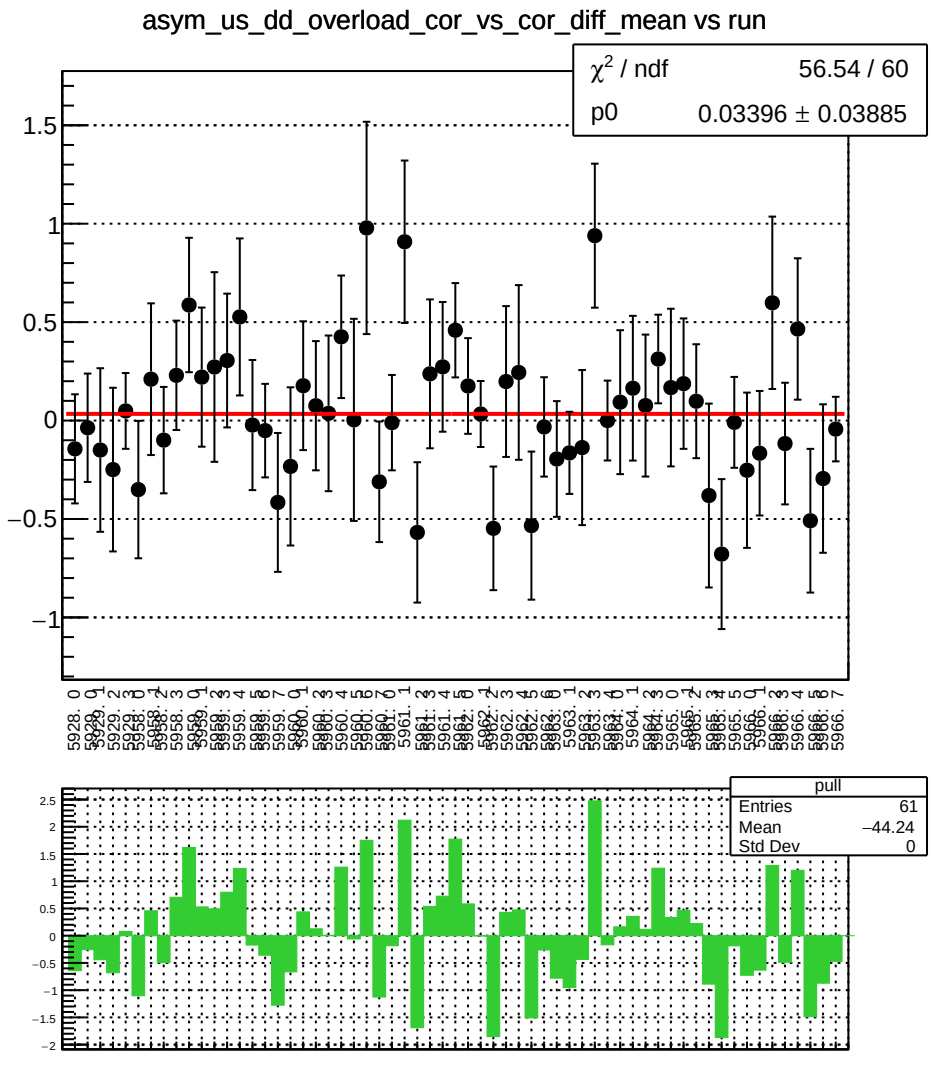

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 60.23 / 60
p0 −0.08198 ± 0.0528
pull
Entries 61
Mean −227.6
Std Dev 0
pull1D
Entries 61
Mean −0.01301
Std Dev 0.9936

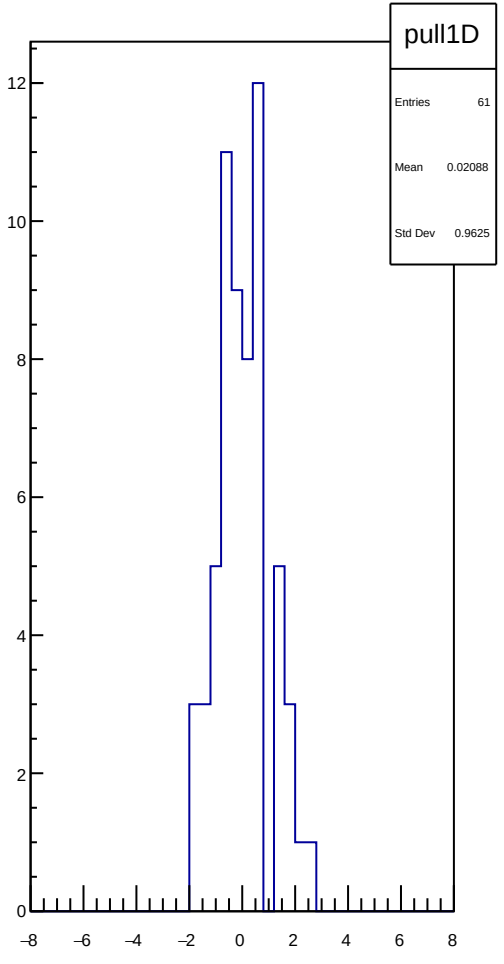

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.419e+04 / 60
p0 40.19 ± 0.03733
70
65
60
55
50
45
40
35
30
25

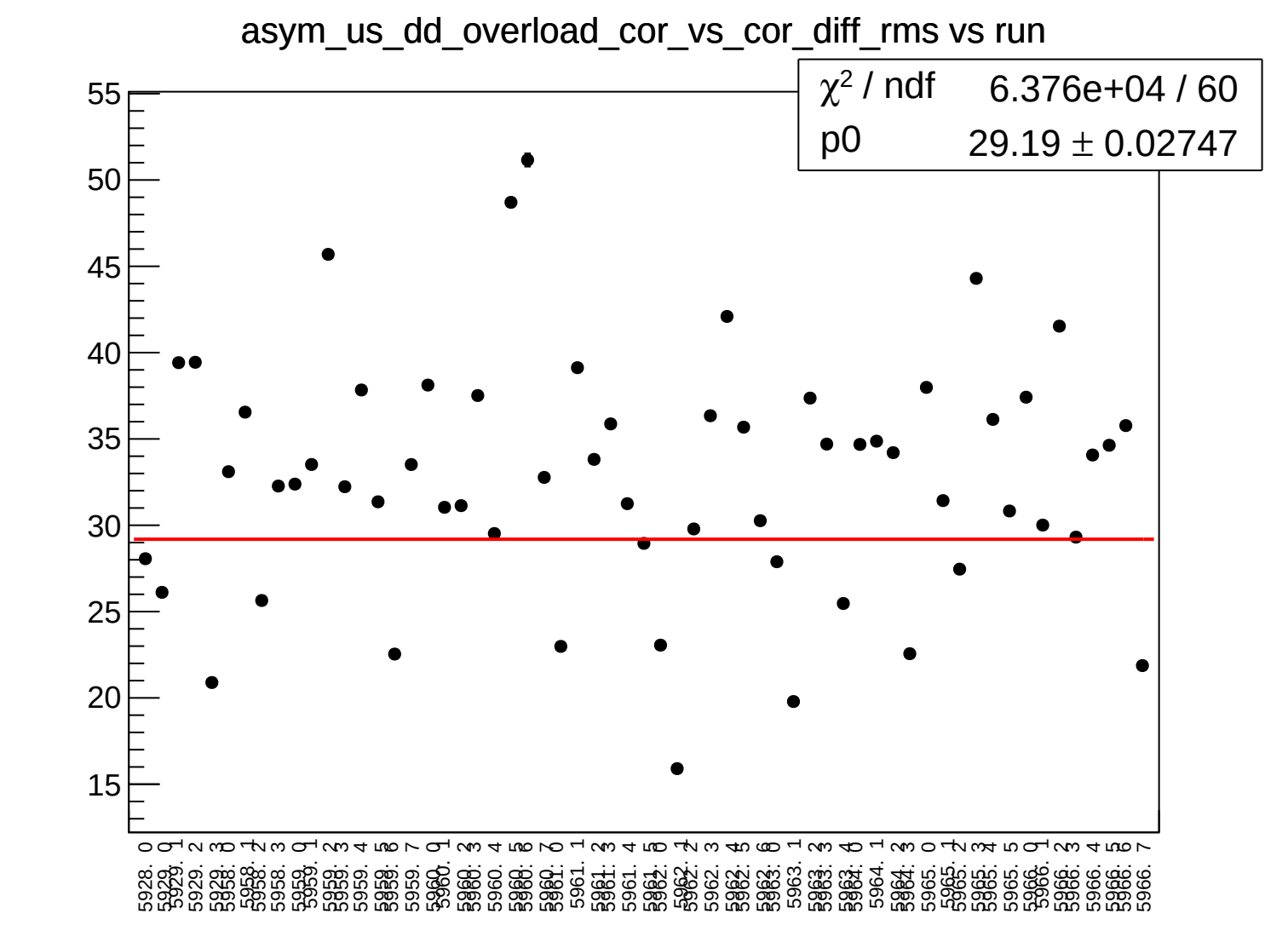

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.73 / 60
p0 −3.549e−14 ± 5.624e−14
pull
Entries 61
Mean −51.82
Std Dev 0

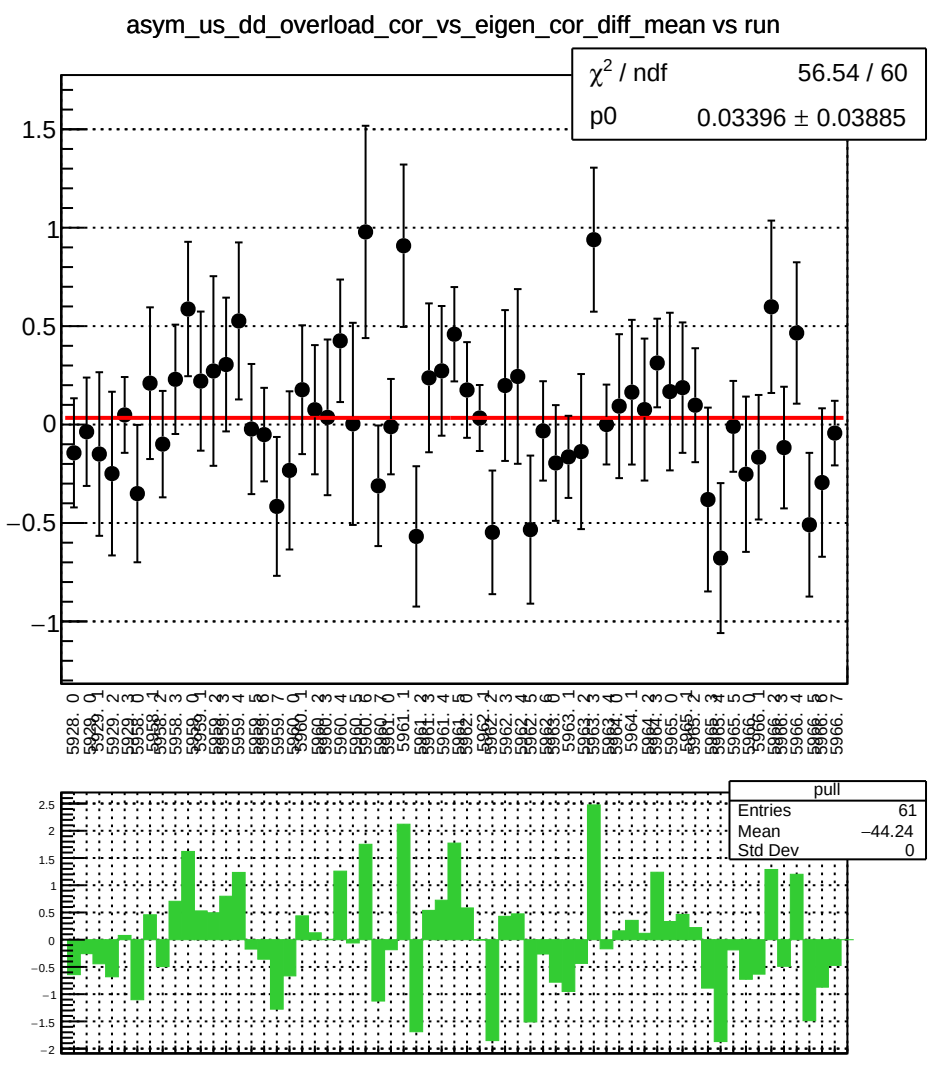

pull1D
Entries 61
Mean −0.05347
Std Dev 1.075

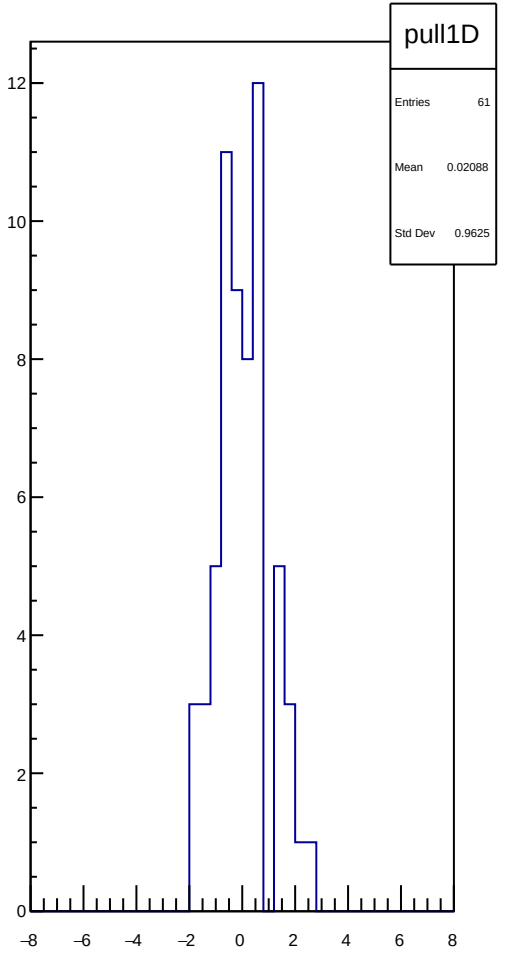

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.83e+05 / 60
p0 3.579e−11 ± 3.977e−14
0.25
0.2
0.15
0.1
0.05

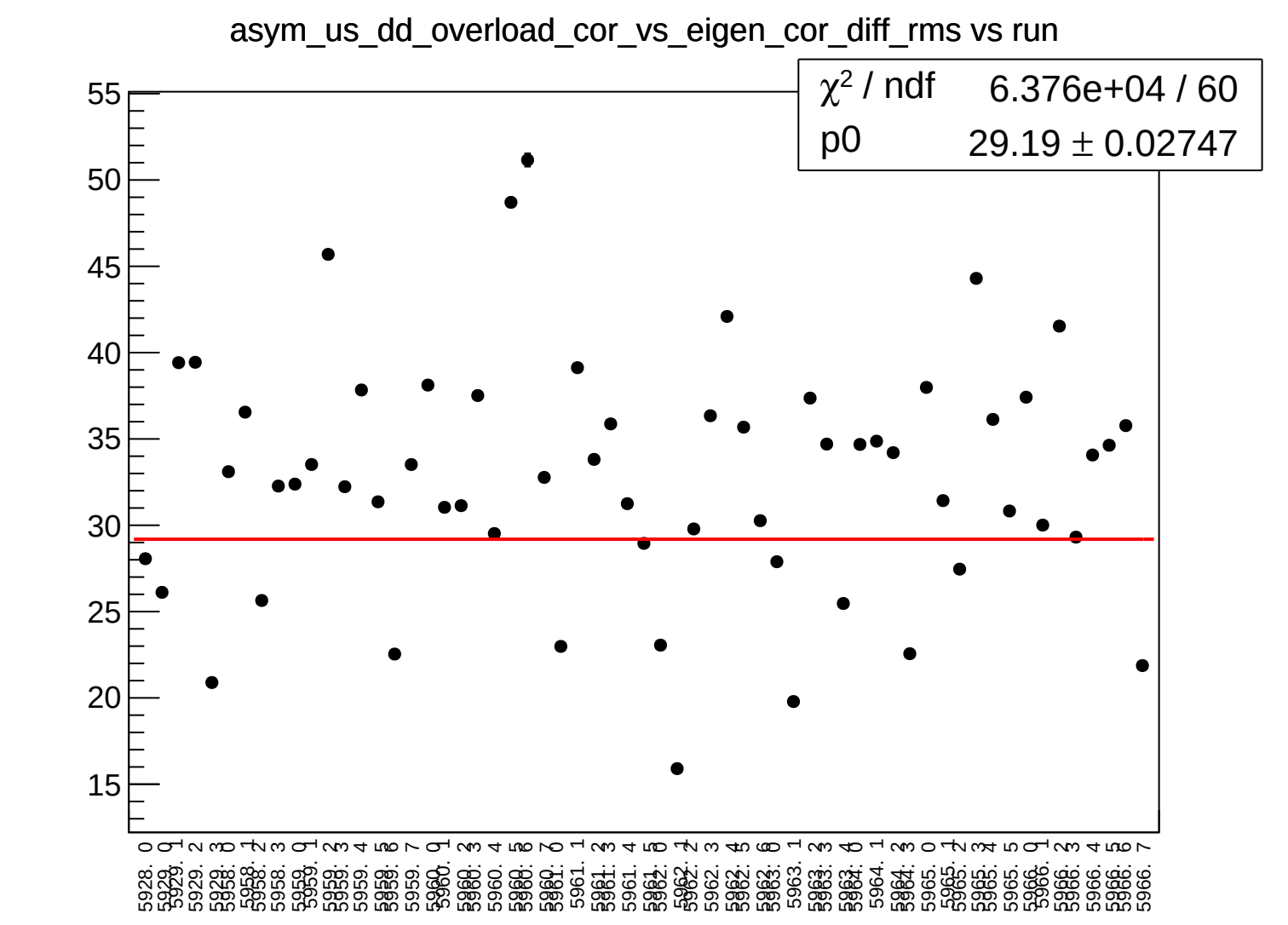

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 56.54 / 60
p0 0.03396 ± 0.03885
pull
Entries 61
Mean −44.24
Std Dev 0

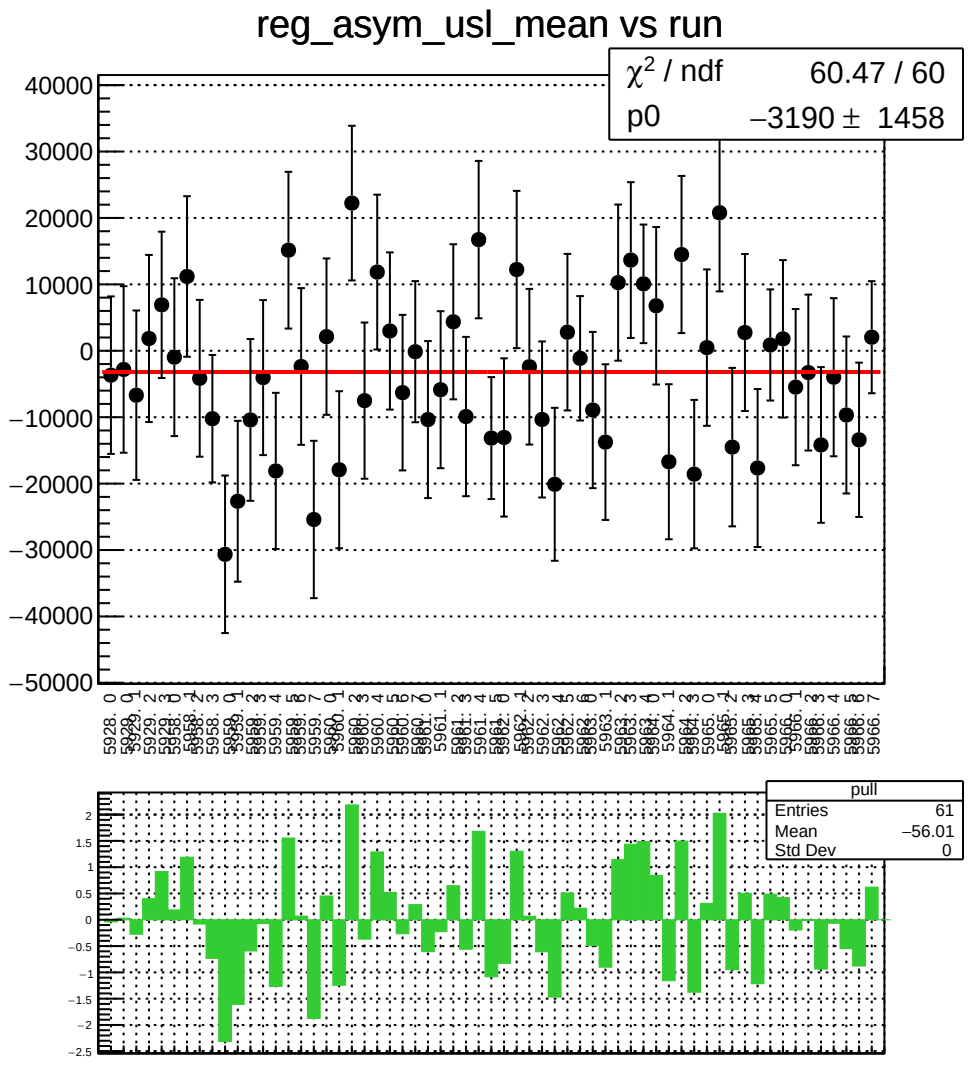

pull1D
Entries 61
Mean 0.02088
Std Dev 0.9625

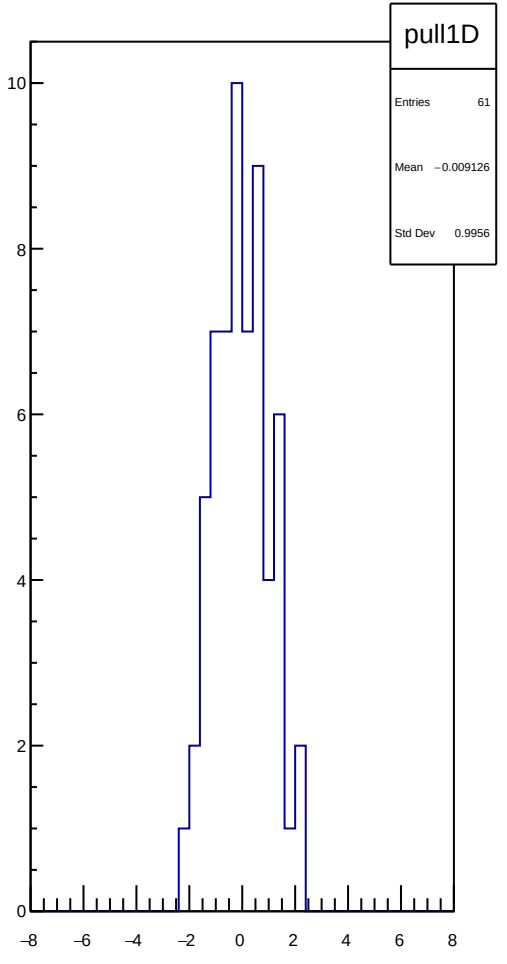

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.376e+04 / 60
p0 29.19 ± 0.02747
55
50
45
40
35
30
25
20
15

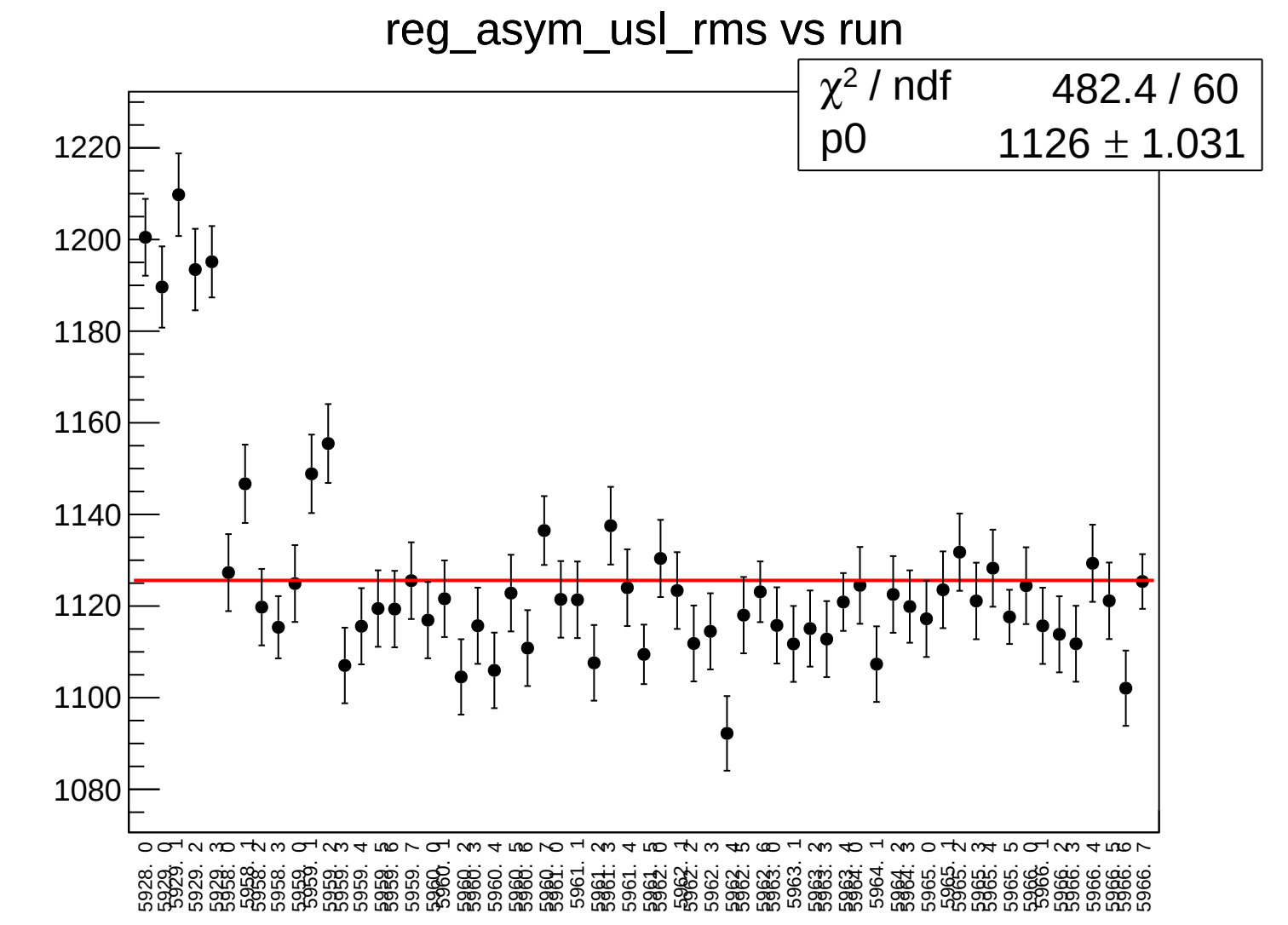

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.54 / 60
p0 0.03396 ± 0.03885
pull
Entries 61
Mean −44.24
Std Dev 0

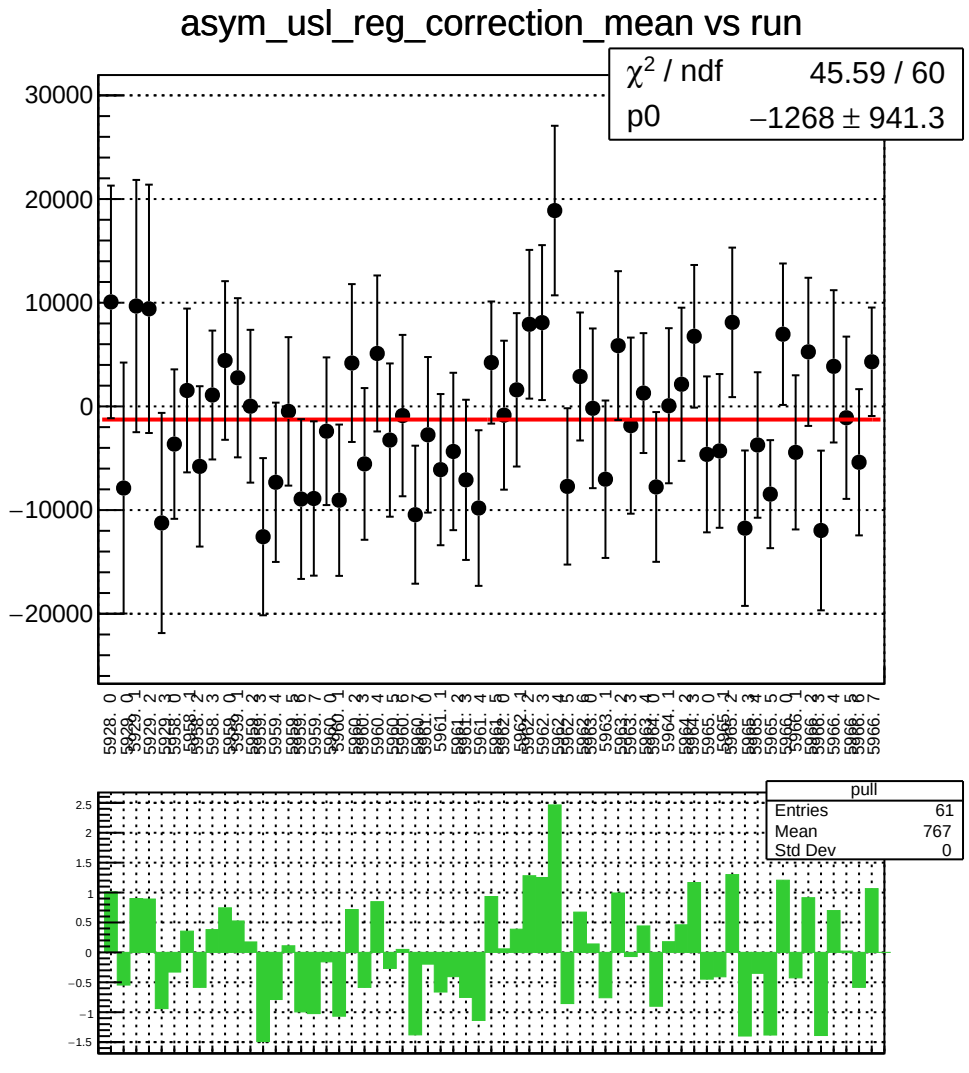

pull1D
Entries 61
Mean 0.02088
Std Dev 0.9625

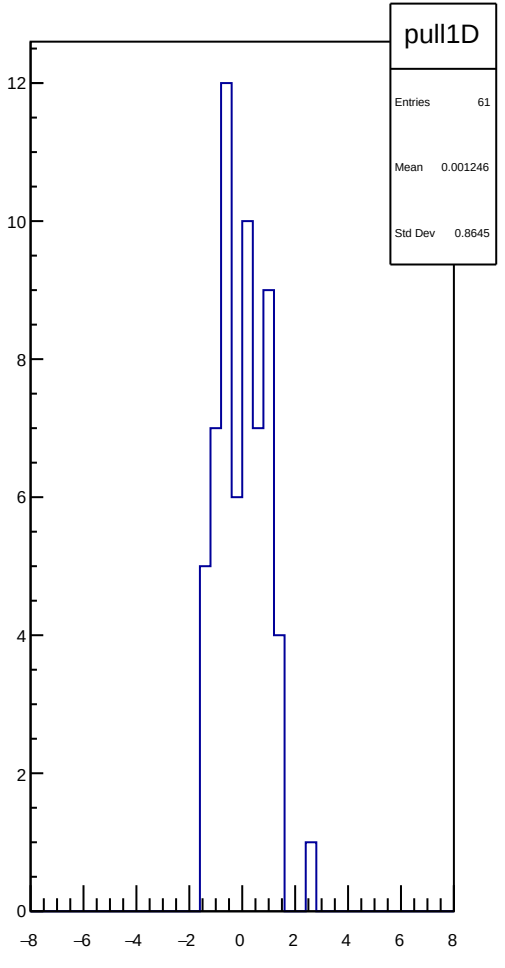

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.376e+04 / 60
p0 29.19 ± 0.02747
55
50
45
40
35
30
25
20
15

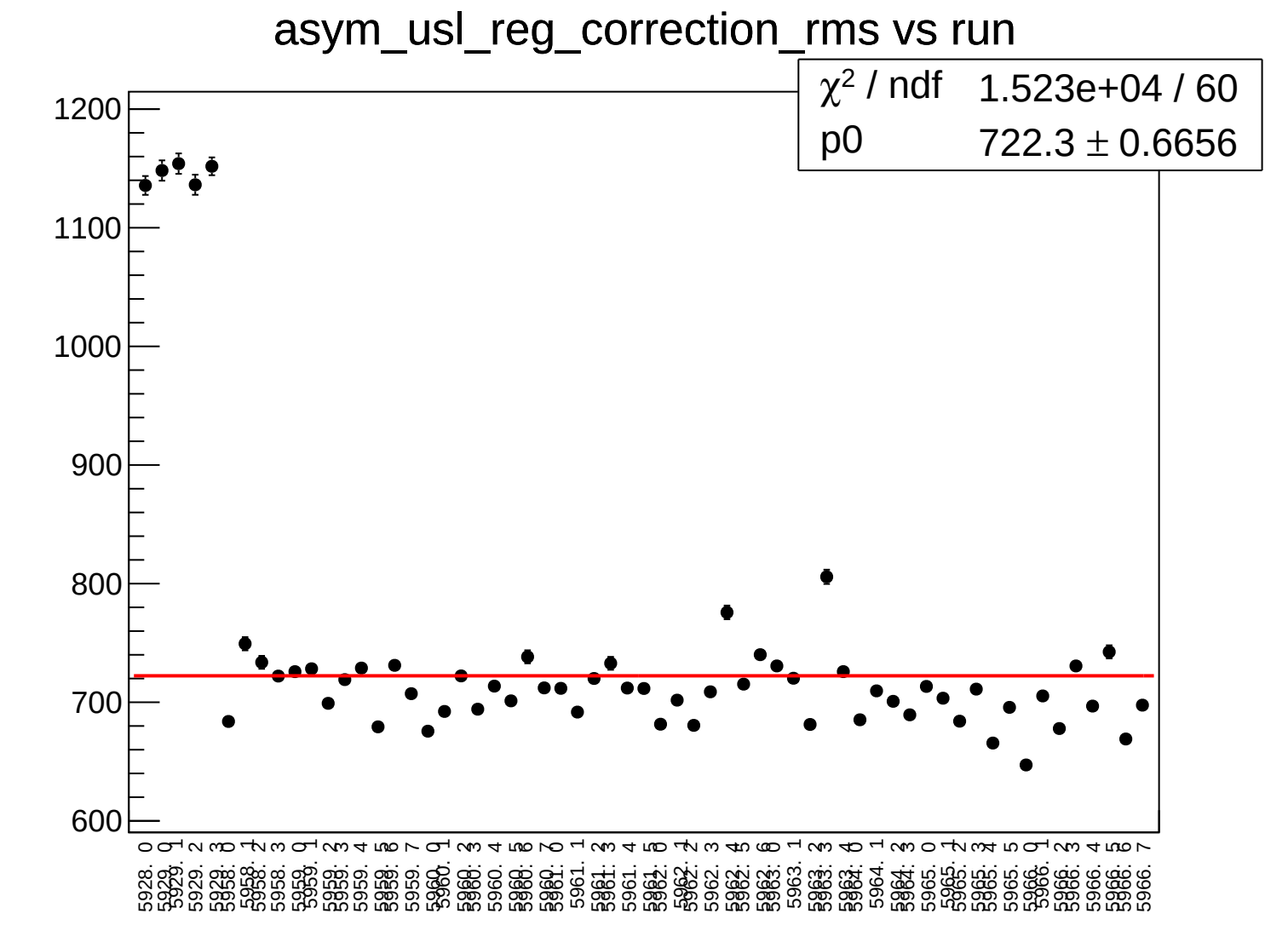

reg_asym_usl_mean vs run
χ² / ndf 60.47 / 60
p0 −3190 ± 1458
pull
Entries 61
Mean −56.01
Std Dev 0

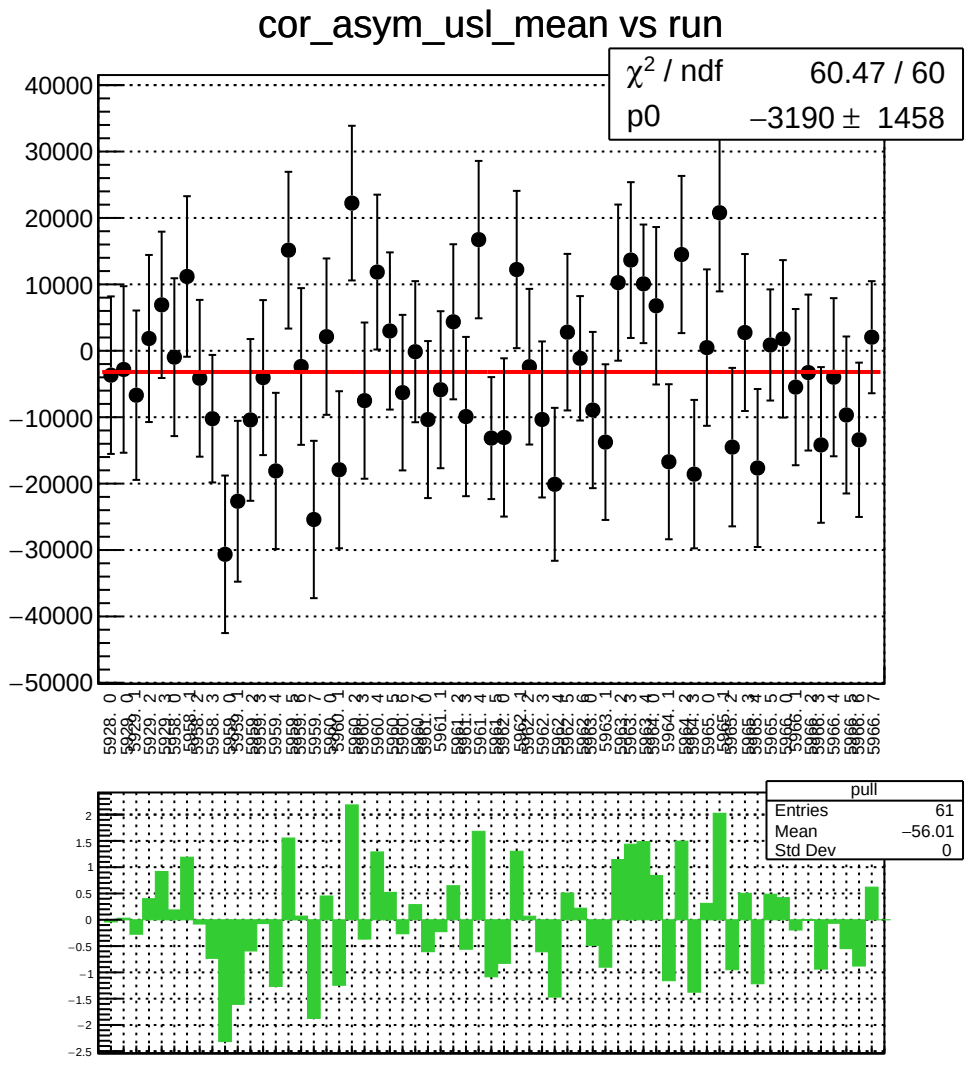

pull1D
Entries 61
Mean −0.009126
Std Dev 0.9956

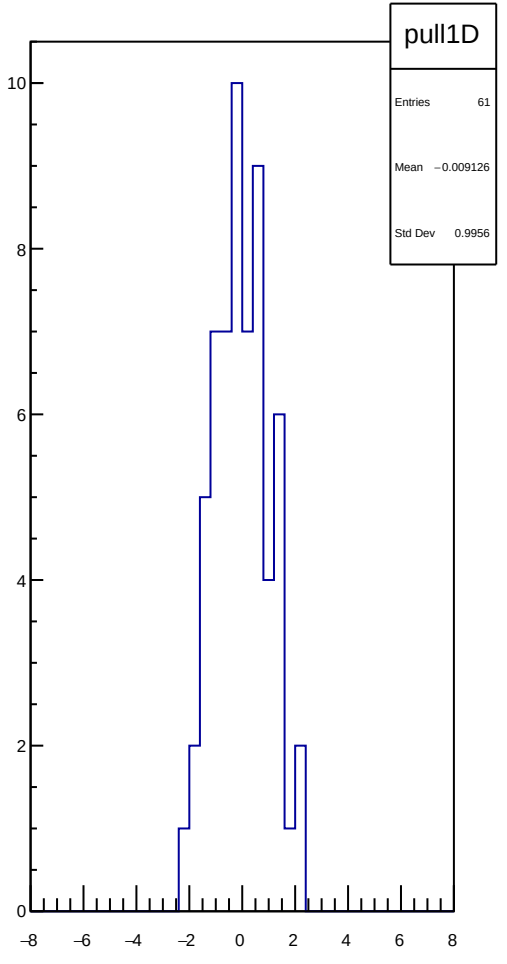

reg_asym_usl_rms vs run
χ² / ndf 482.4 / 60
p0 1126 ± 1.031
1220
1200
1180
1160
1140
1120
1100
1080

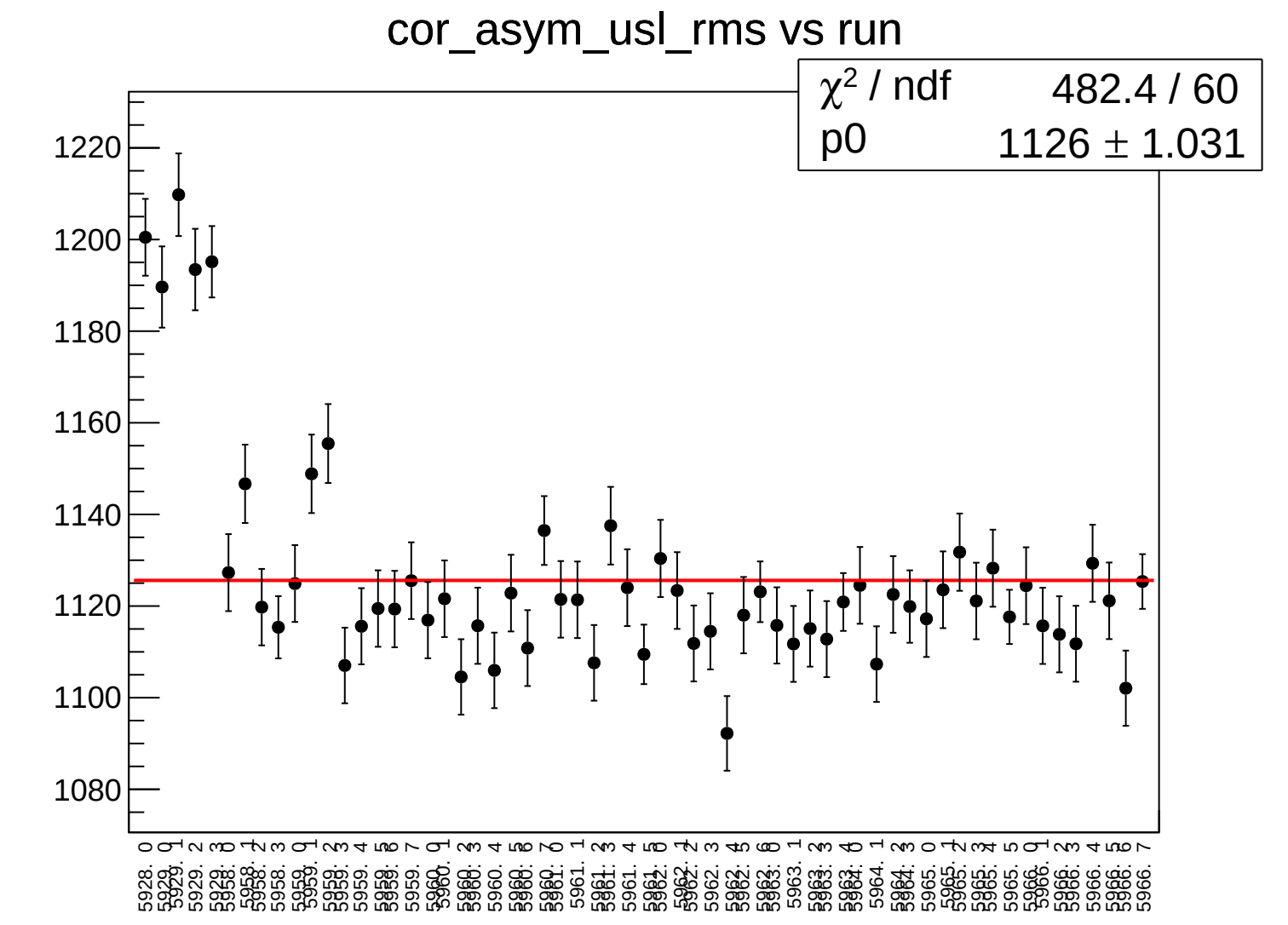

asym_usl_reg_correction_mean vs run
χ² / ndf 45.59 / 60
p0 −1268 ± 941.3
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 767
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

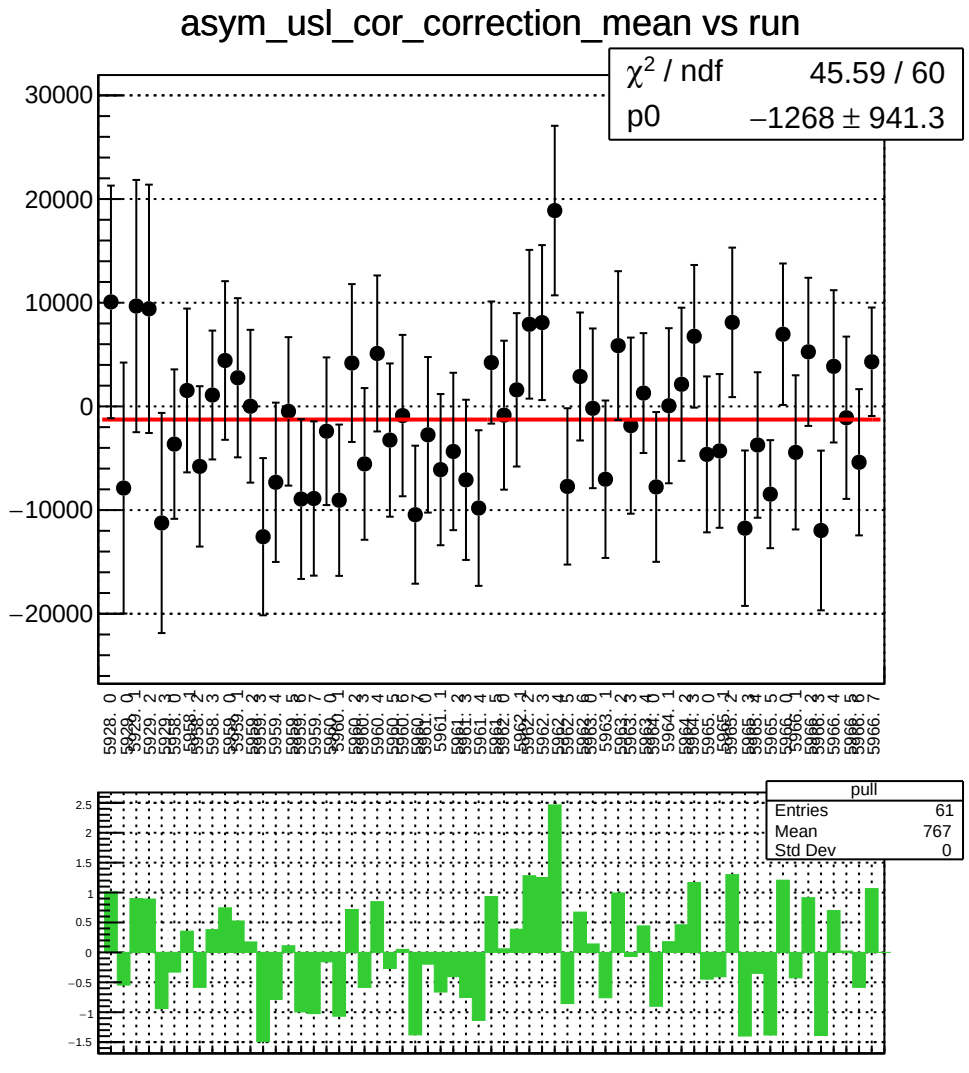

pull1D
Entries 61
Mean 0.001246
Std Dev 0.8645
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

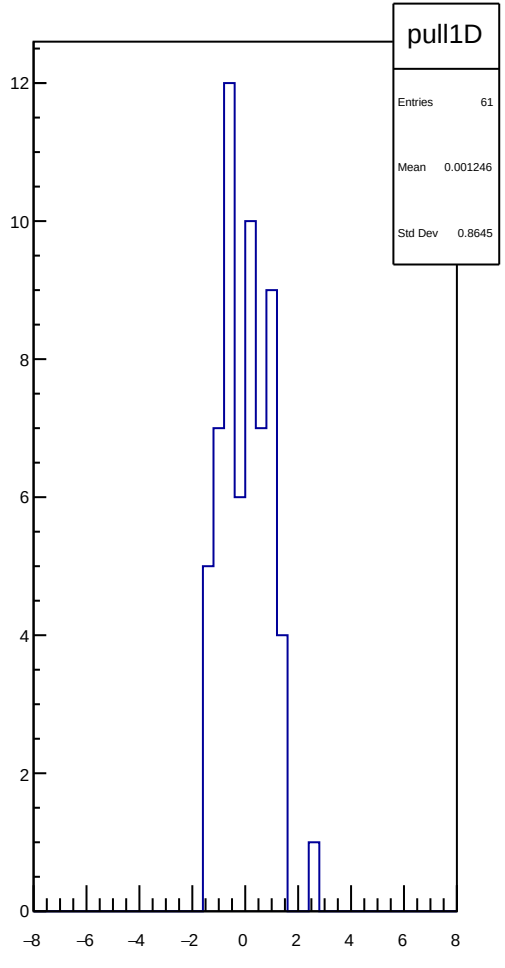

asym_usl_reg_correction_rms vs run
χ² / ndf 1.523e+04 / 60
p0 722.3 ± 0.6656
1200
1100
1000
900
800
700
600

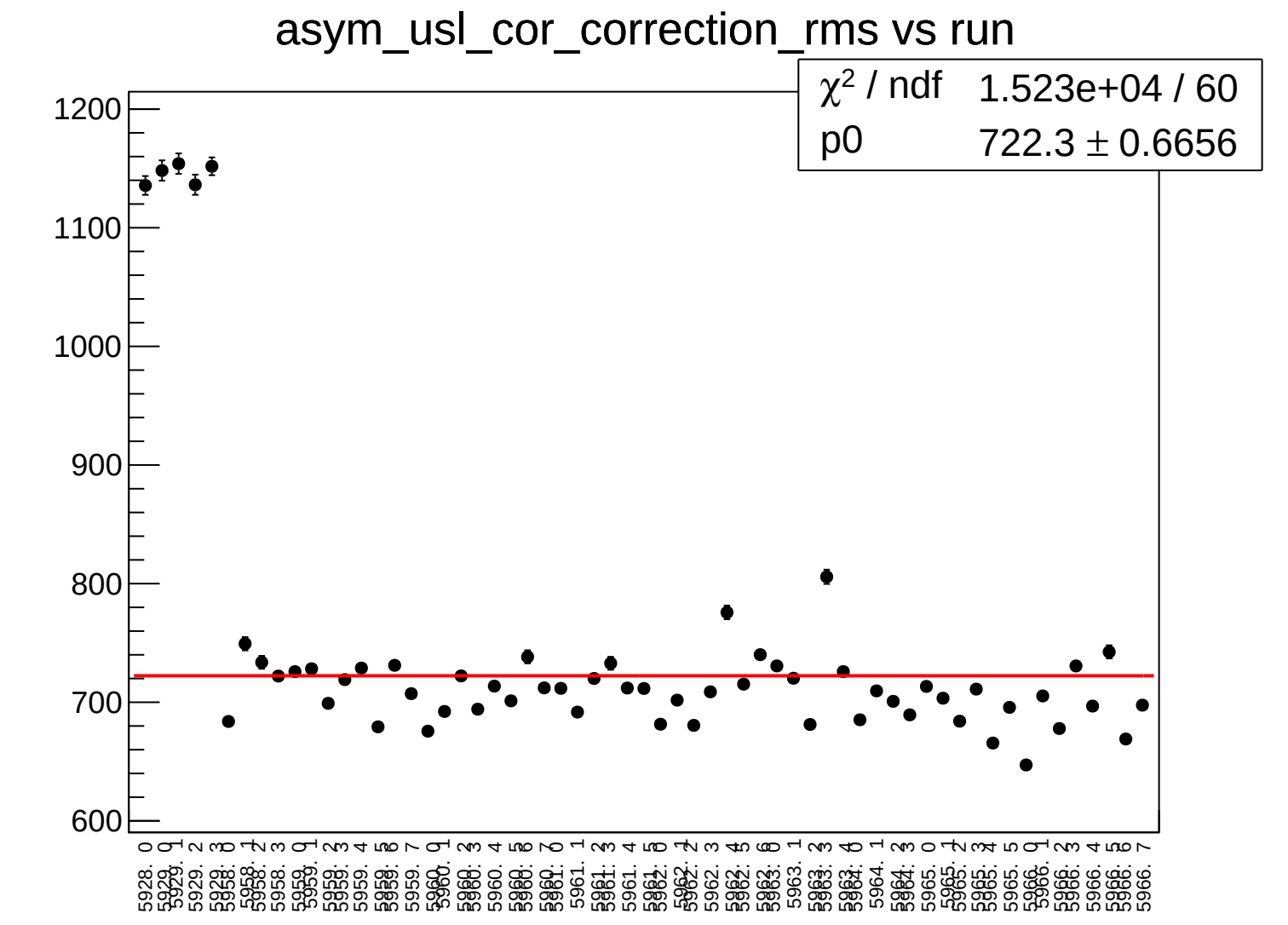

cor_asym_usl_mean vs run
χ² / ndf 60.47 / 60
p0 −3190 ± 1458
pull
Entries 61
Mean −56.01
Std Dev 0

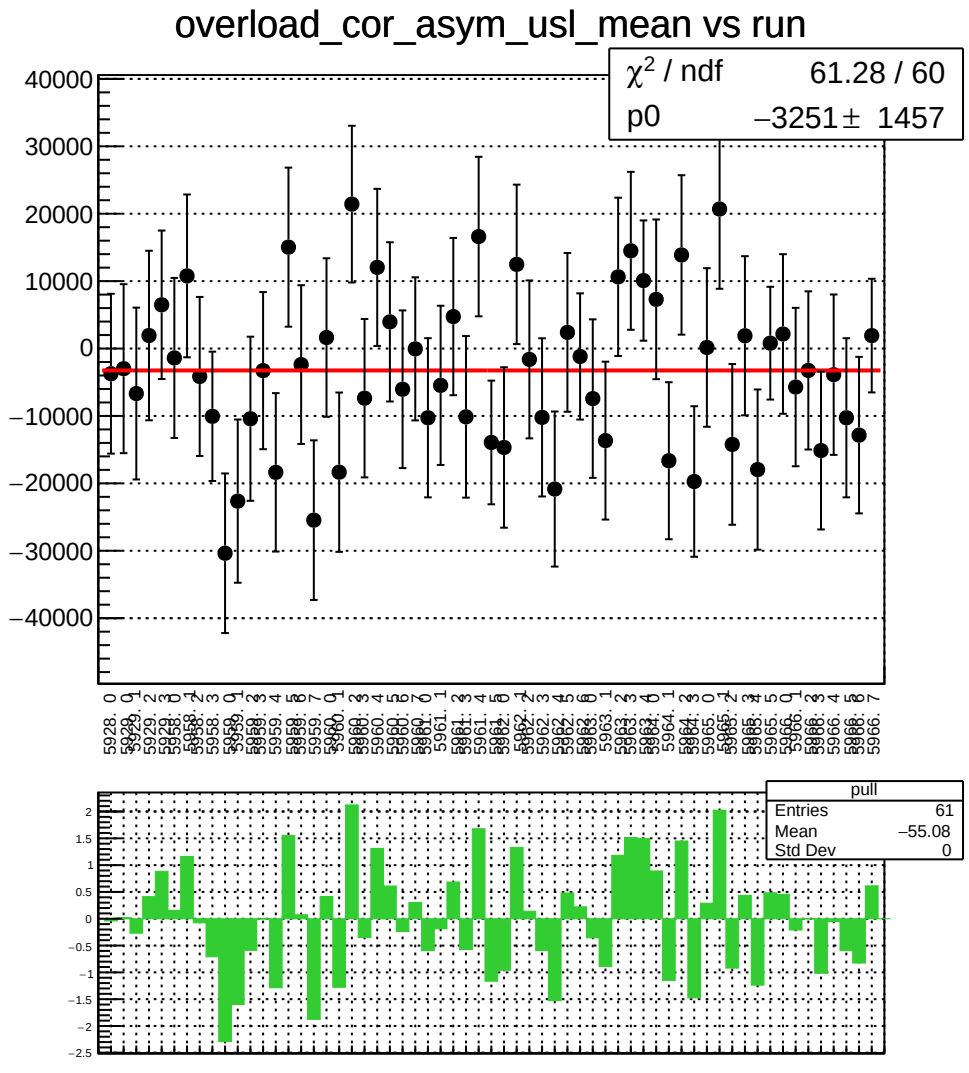

pull1D
Entries 61
Mean −0.009126
Std Dev 0.9956

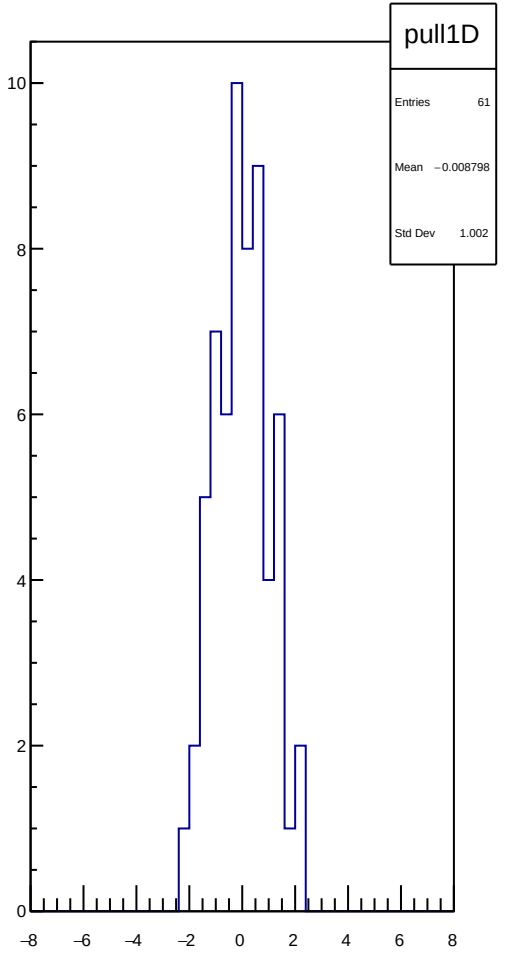

cor_asym_usl_rms vs run
χ² / ndf 482.4 / 60
p0 1126 ± 1.031
1220
1200
1180
1160
1140
1120
1100
1080

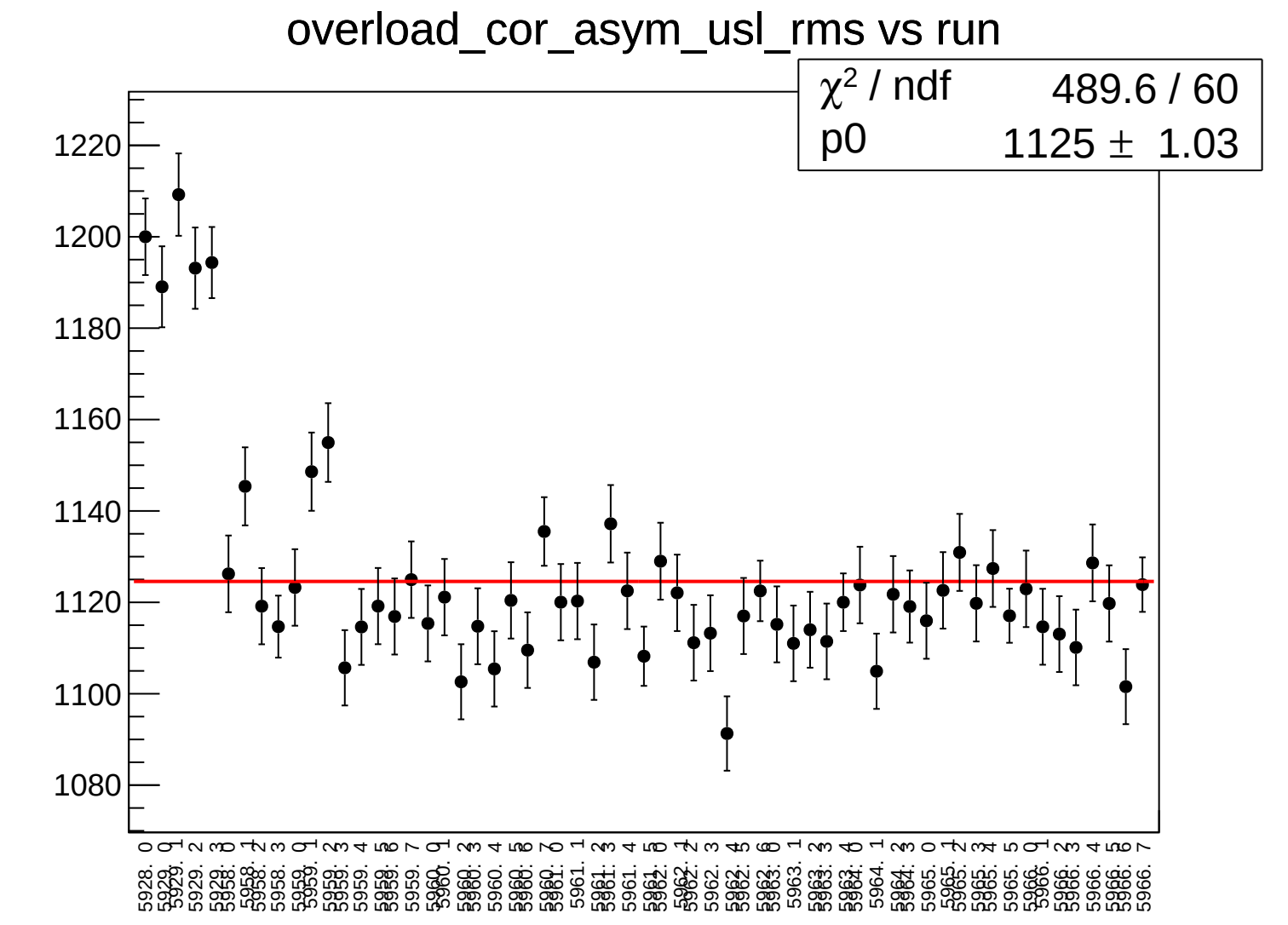

asym_usl_cor_correction_mean vs run
χ² / ndf 45.59 / 60
p0 −1268 ± 941.3
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 767
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

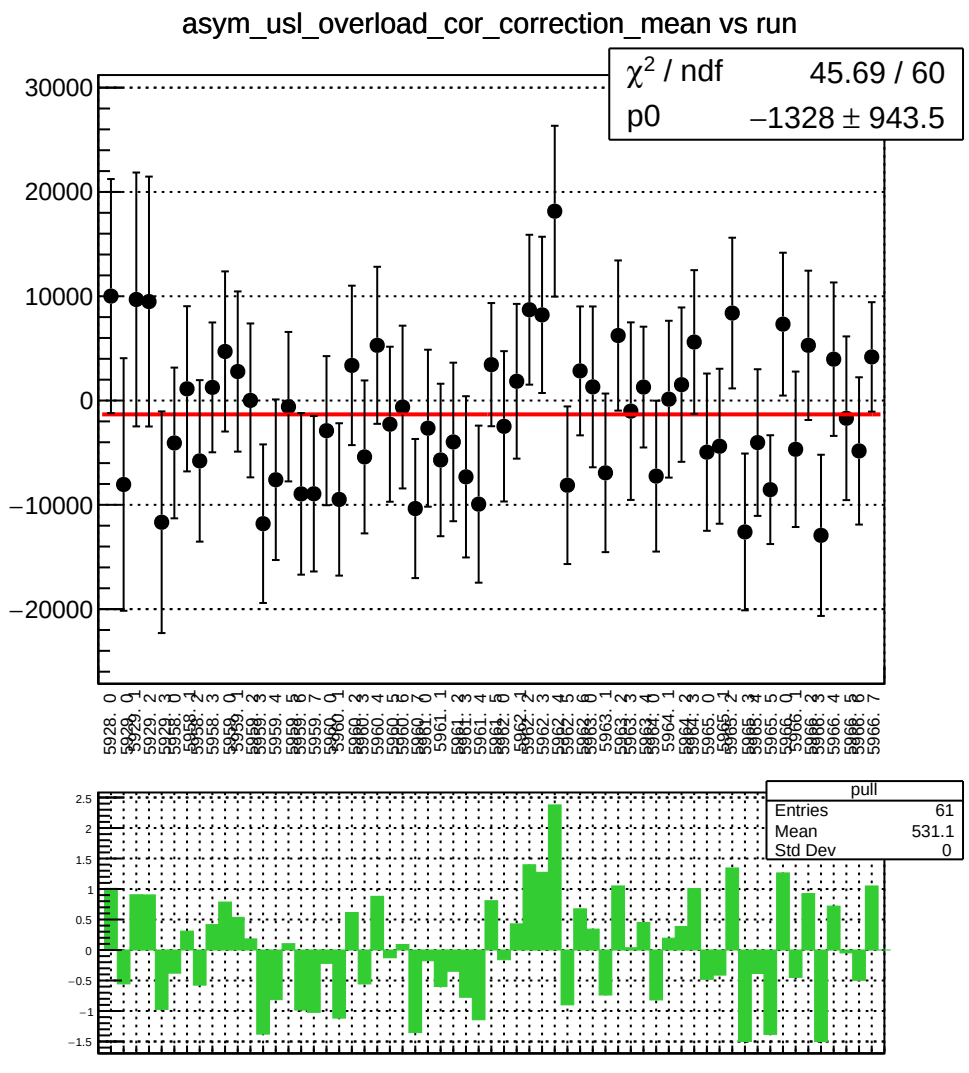

pull1D
Entries 61
Mean 0.001246
Std Dev 0.8645
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

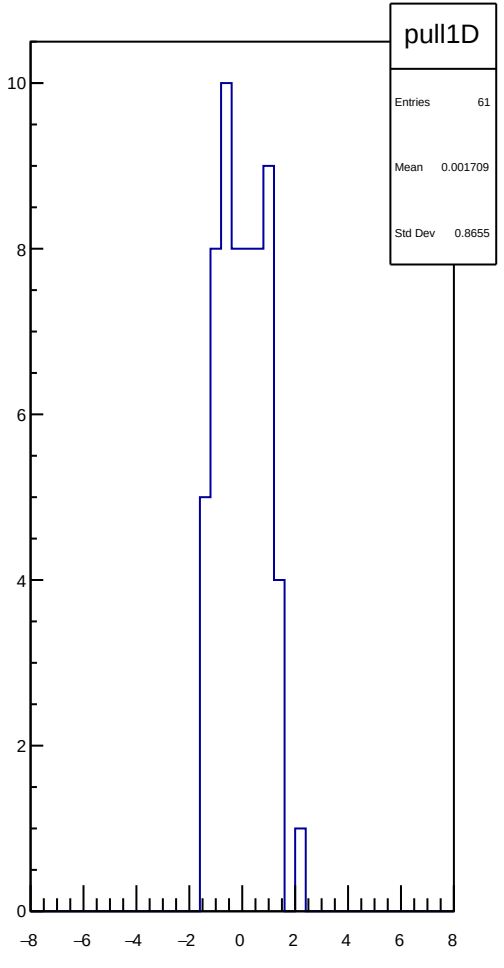

asym_usl_cor_correction_rms vs run
χ² / ndf 1.523e+04 / 60
p0 722.3 ± 0.6656
1200
1100
1000
900
800
700
600

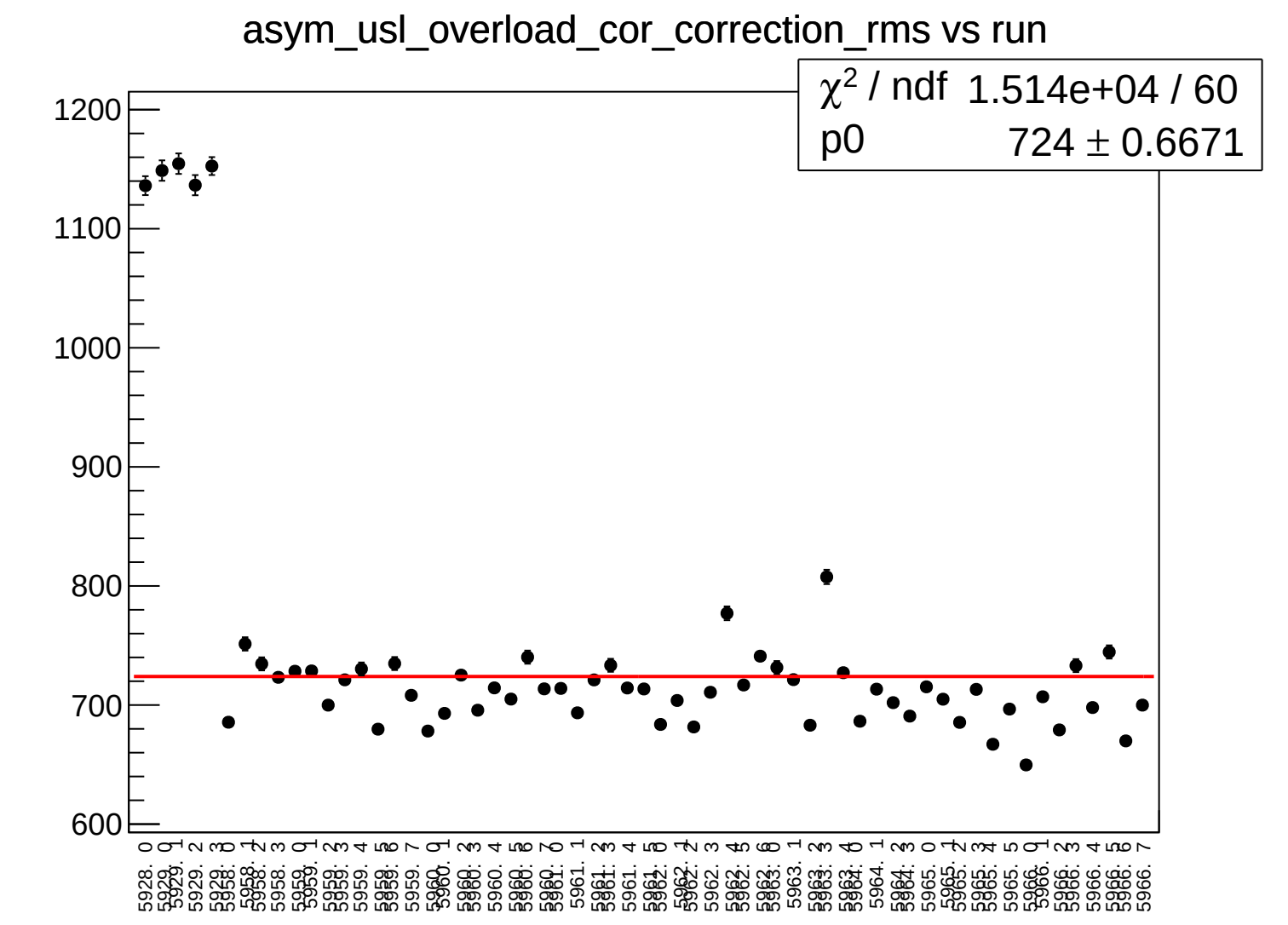

overload_cor_asym_usl_mean vs run
χ² / ndf 61.28 / 60
p0 −3251 ± 1457
pull
Entries 61
Mean −55.08
Std Dev 0

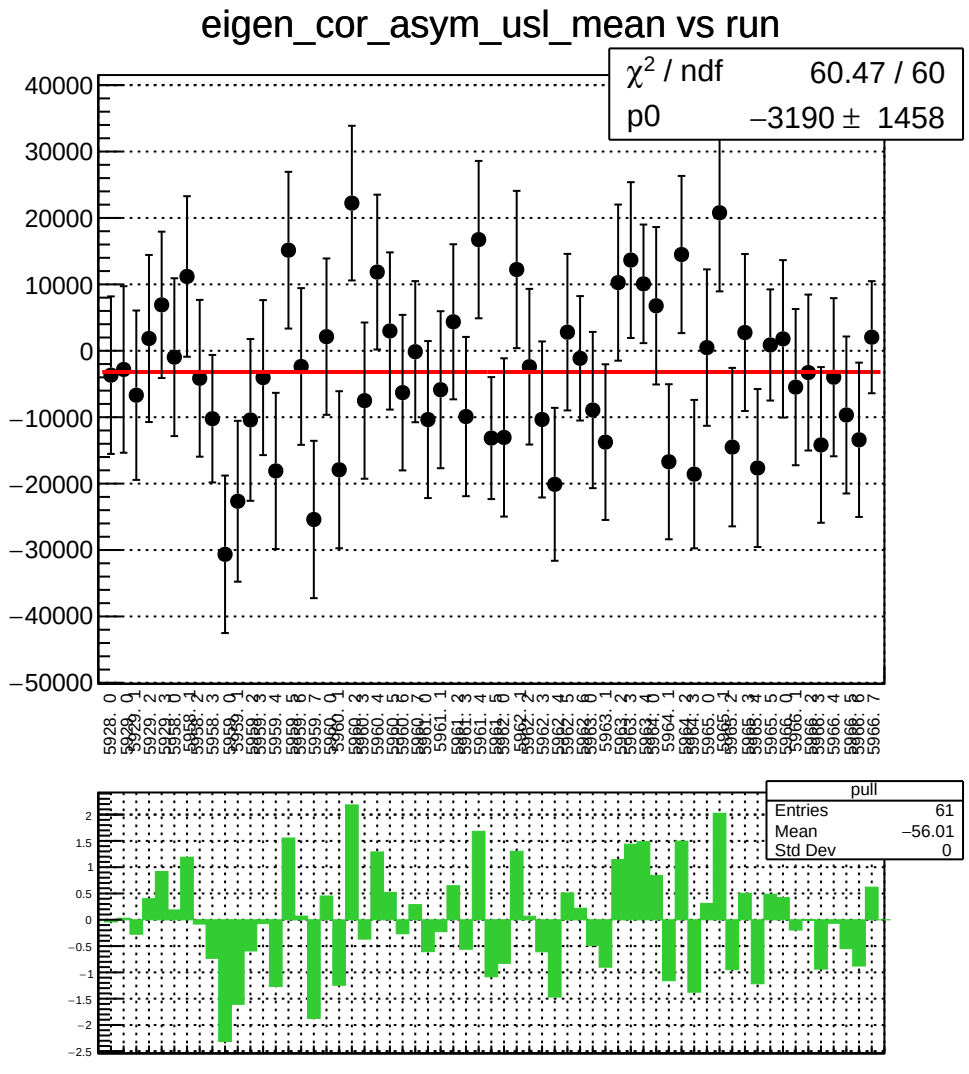

pull1D
Entries 61
Mean −0.008798
Std Dev 1.002

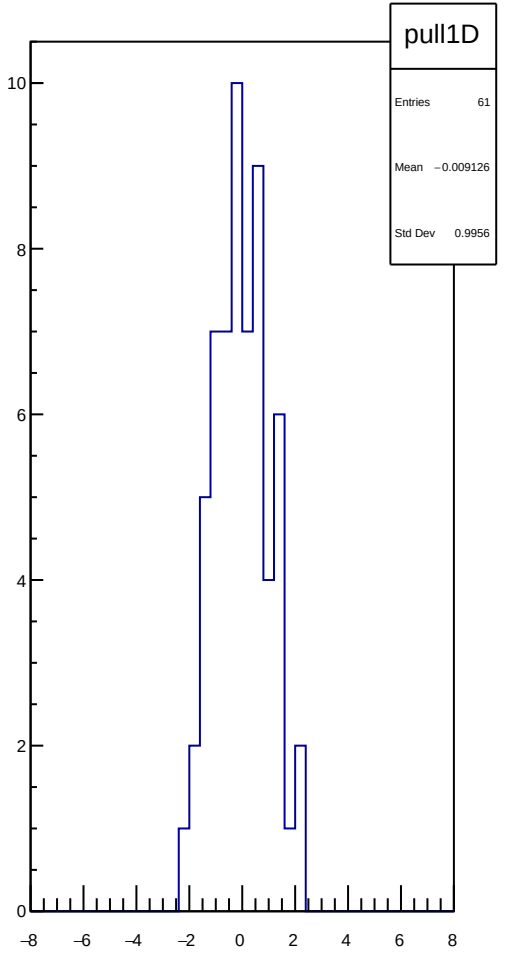

overload_cor_asym_usl_rms vs run
χ² / ndf 489.6 / 60
p0 1125 ± 1.03
1220
1200
1180
1160
1140
1120
1100
1080

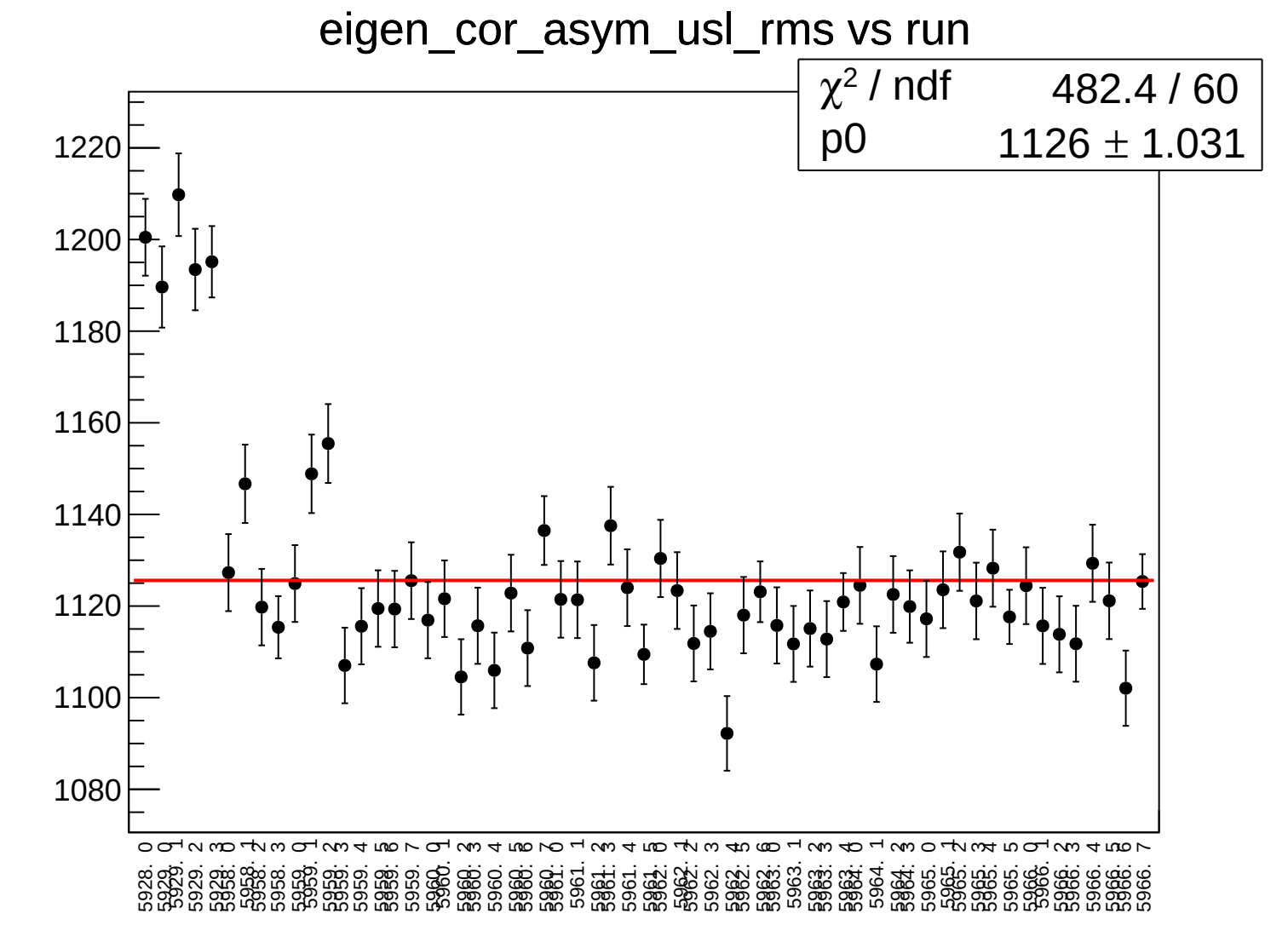

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 45.69 / 60
p0 −1328 ± 943.5
pull
Entries 61
Mean 531.1
Std Dev 0

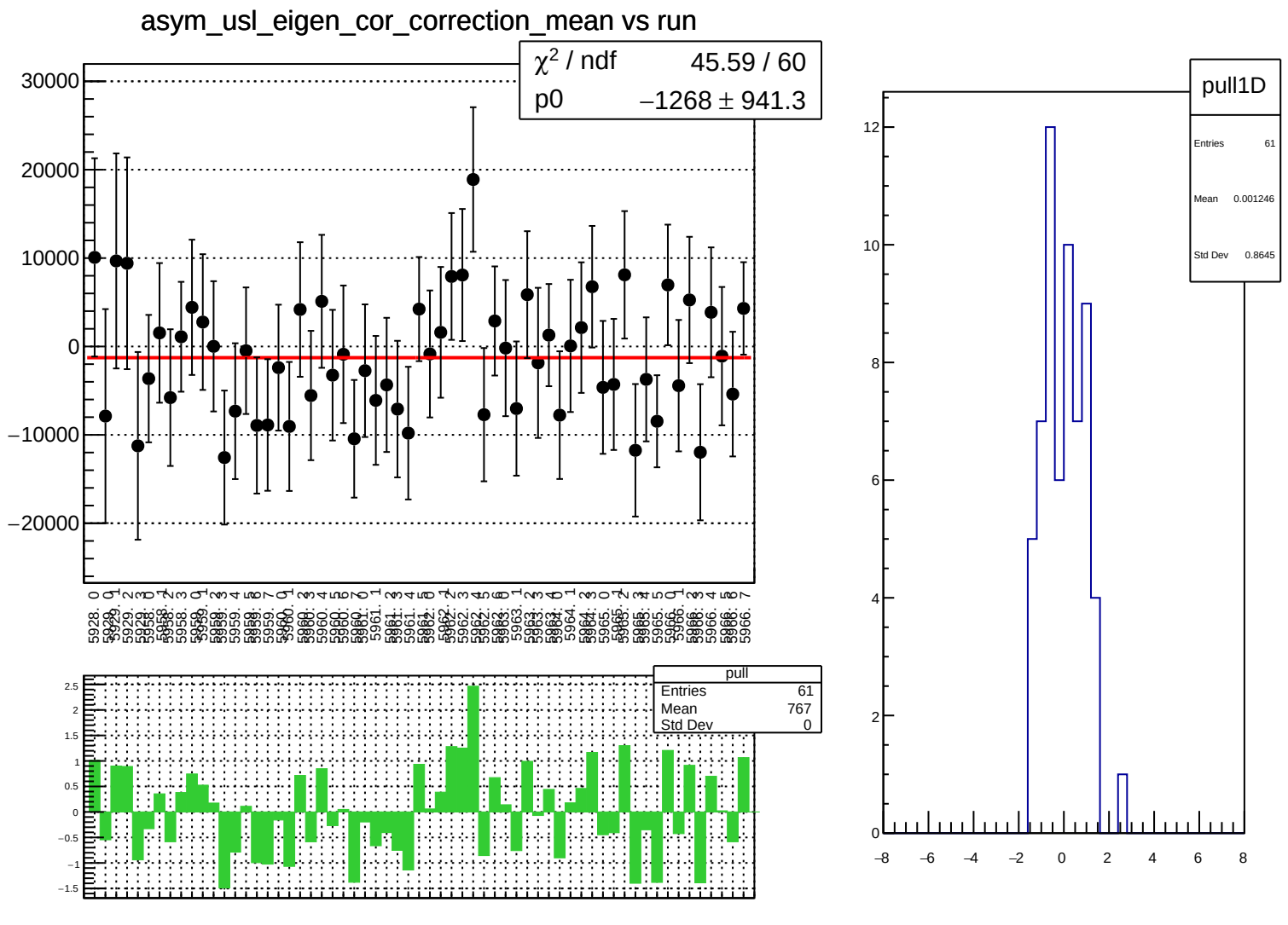

pull1D
Entries 61
Mean 0.001709
Std Dev 0.8655

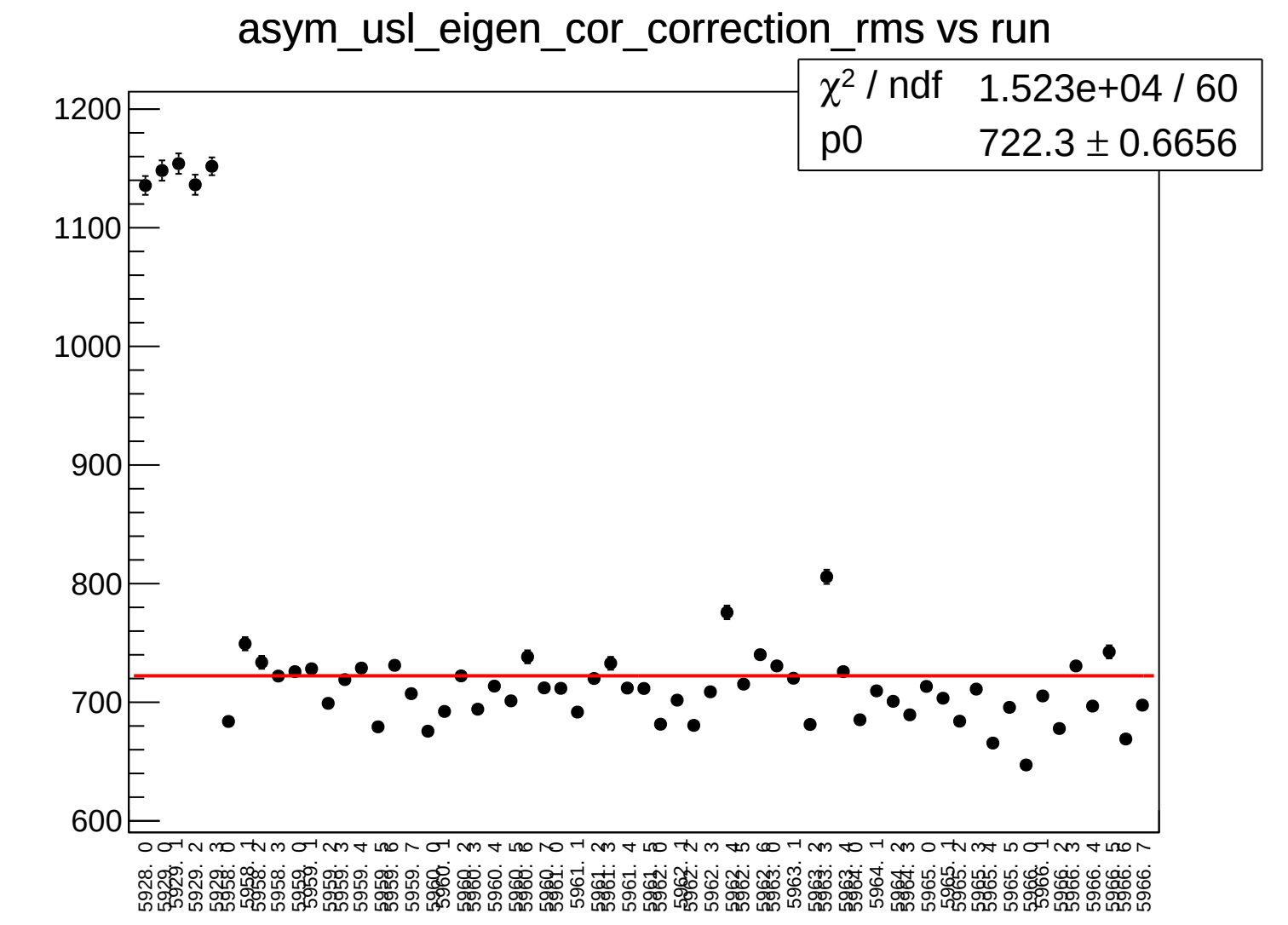

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 1.514e+04 / 60
p0 724 ± 0.6671
1200
1100
1000
900
800
700
600

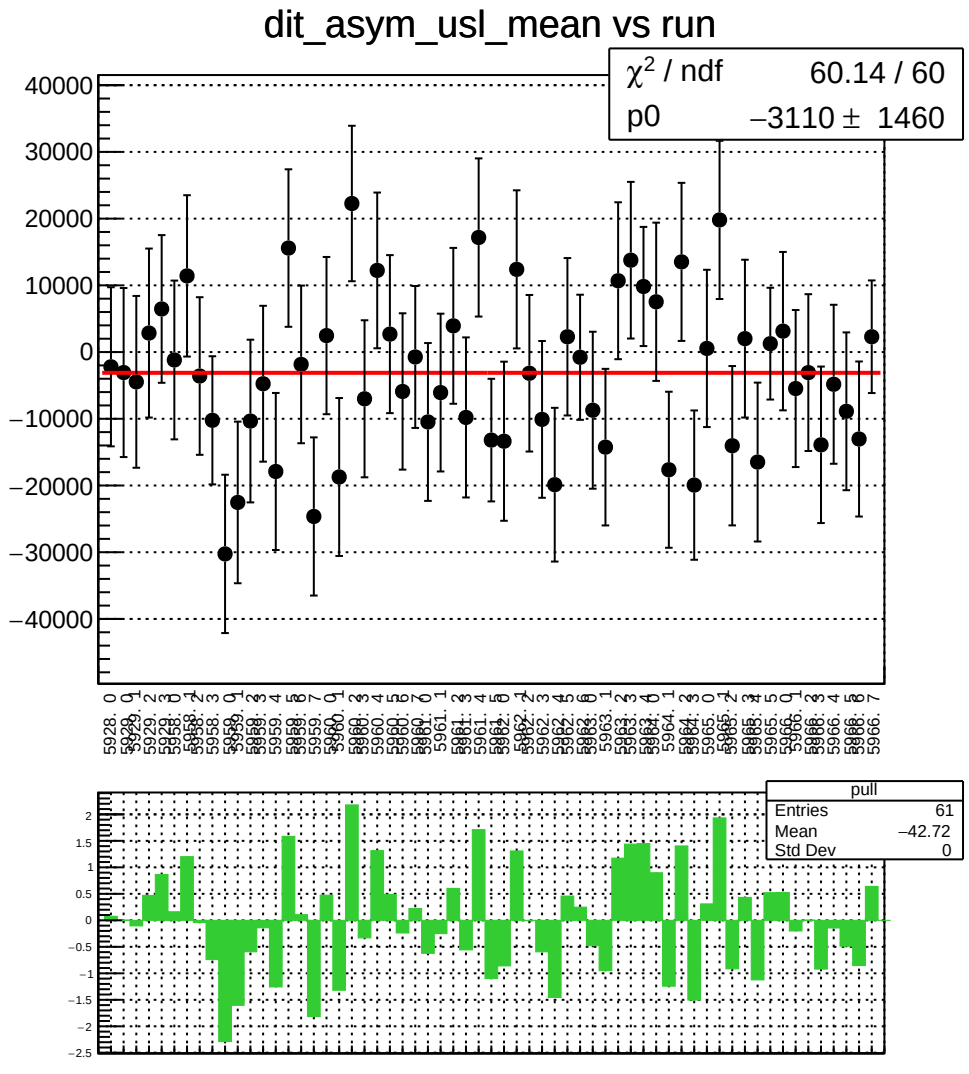

eigen_cor_asym_usl_mean vs run
χ² / ndf 60.47 / 60
p0 −3190 ± 1458
pull
Entries 61
Mean −56.01
Std Dev 0

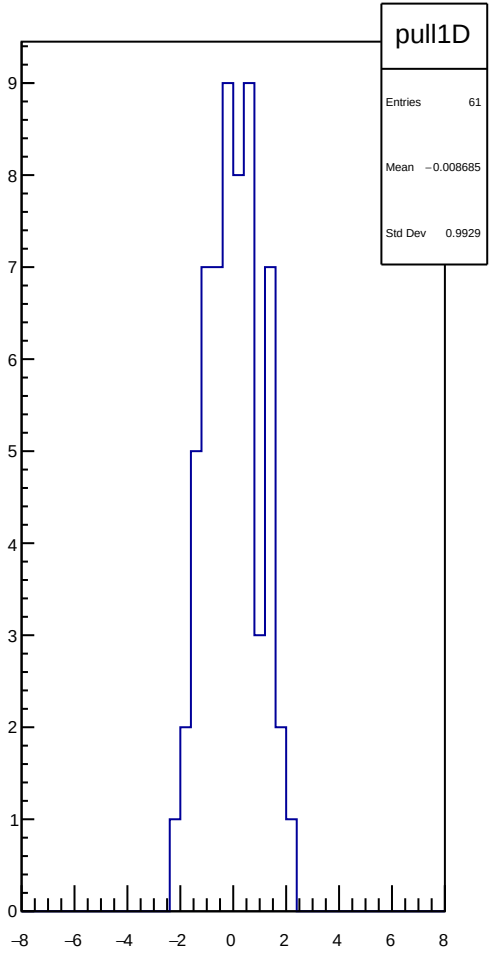

pull1D
Entries 61
Mean −0.009126
Std Dev 0.9956

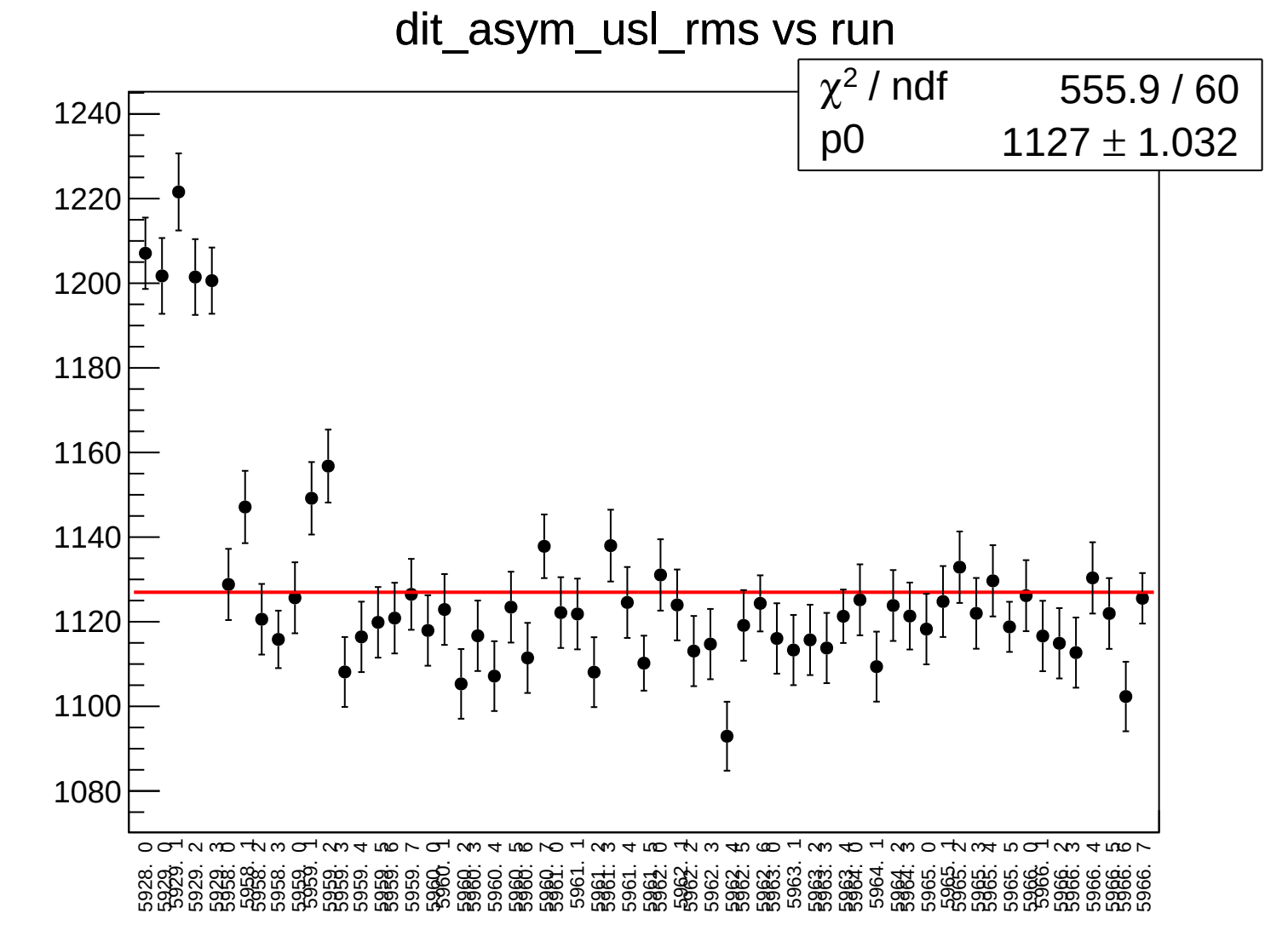

eigen_cor_asym_usl_rms vs run
χ² / ndf 482.4 / 60
p0 1126 ± 1.031
1220
1200
1180
1160
1140
1120
1100
1080

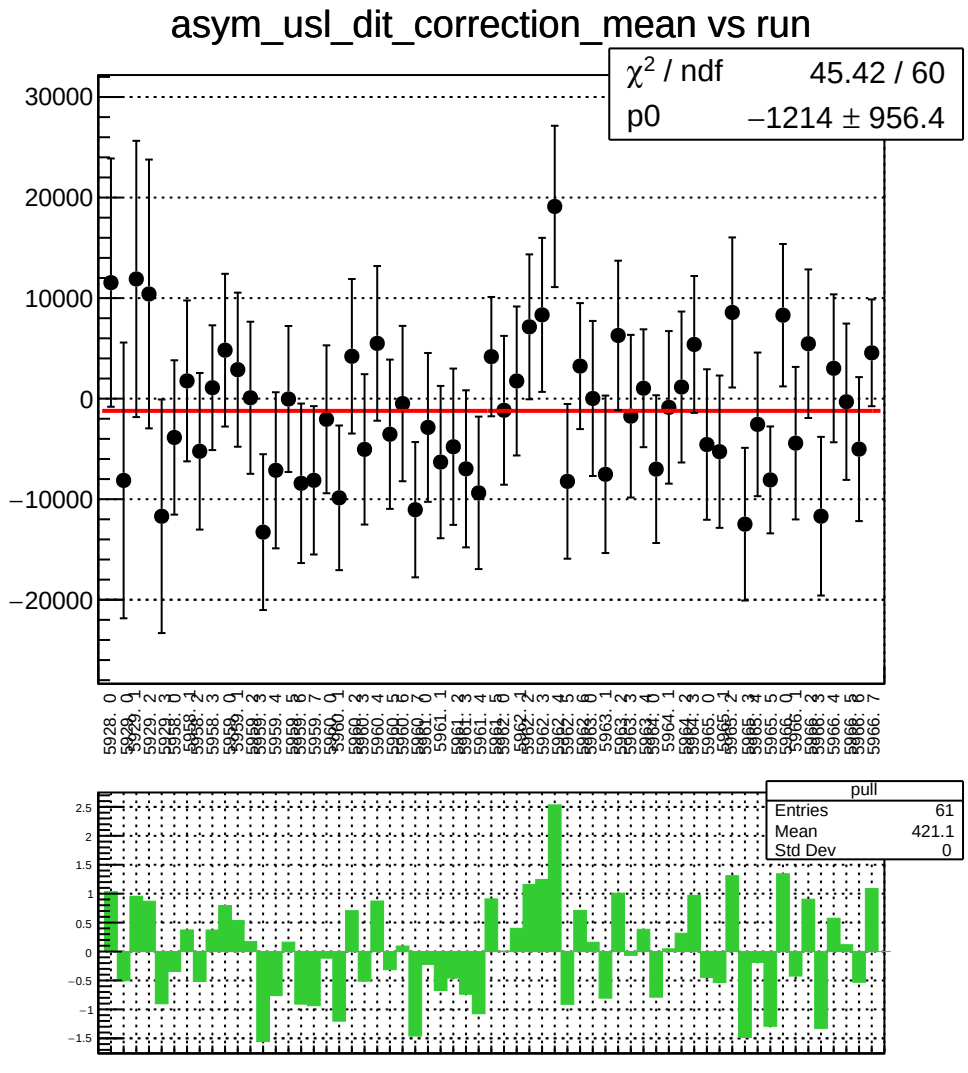

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 45.59 / 60
p0 −1268 ± 941.3
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 767
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean 0.001246
Std Dev 0.8645
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

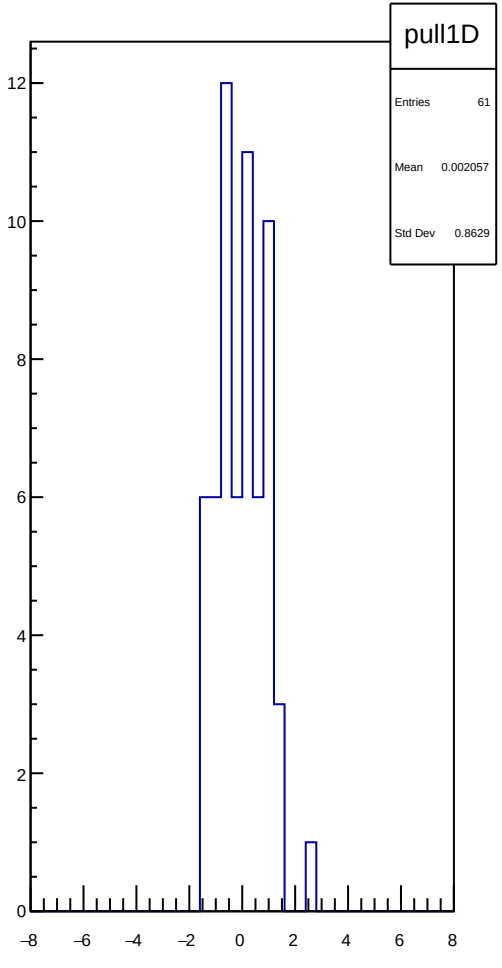

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 1.523e+04 / 60
p0 722.3 ± 0.6656
1200
1100
1000
900
800
700
600

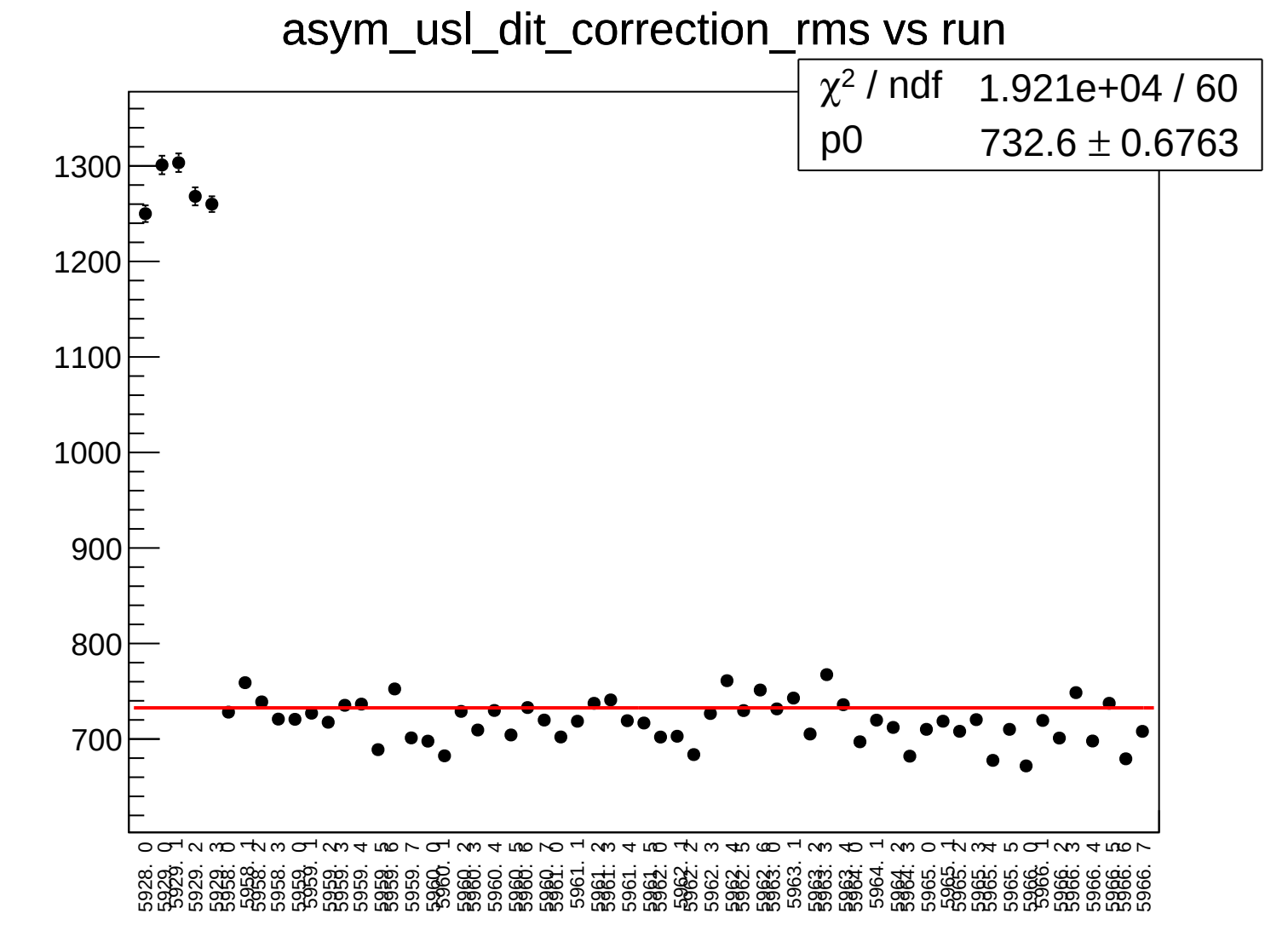

dit_asym_usl_mean vs run
χ² / ndf 60.14 / 60
p0 −3110 ± 1460
pull
Entries 61
Mean −42.72
Std Dev 0

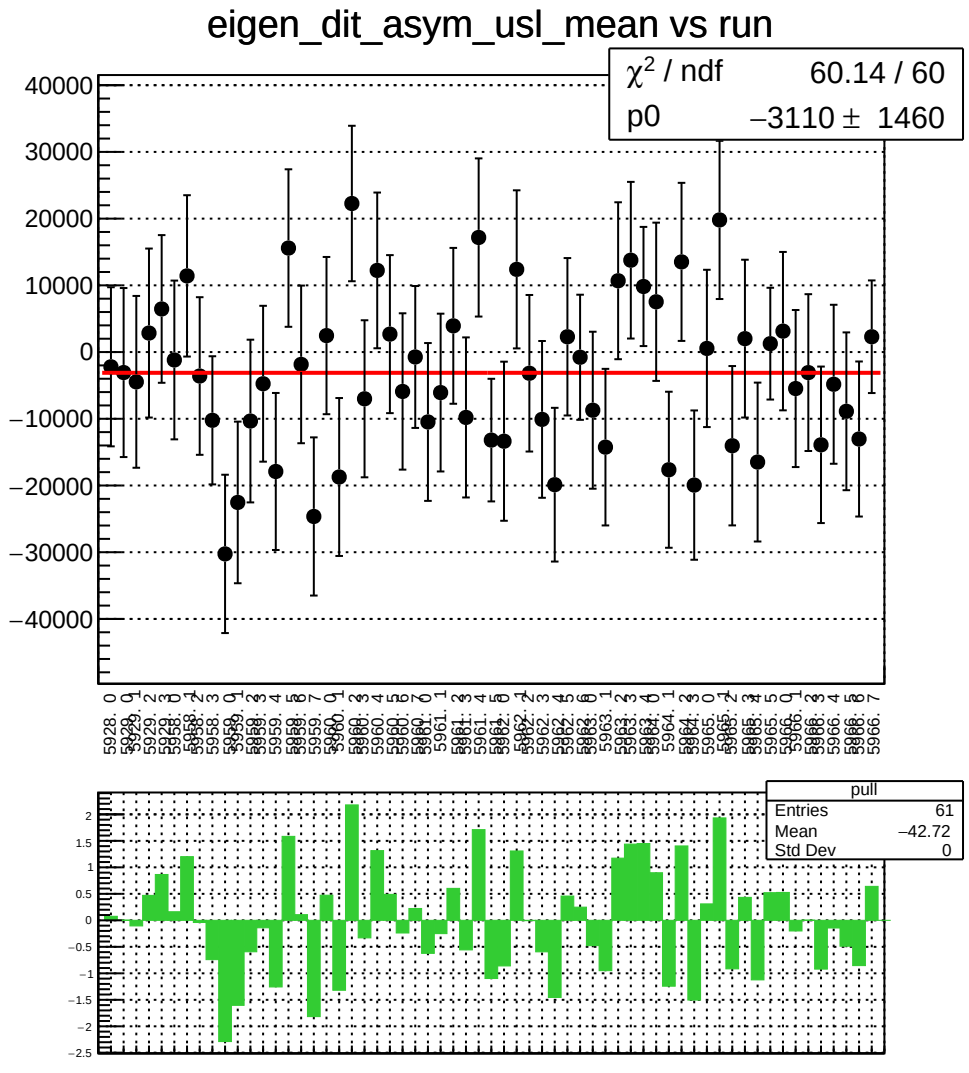

pull1D
Entries 61
Mean −0.008685
Std Dev 0.9929

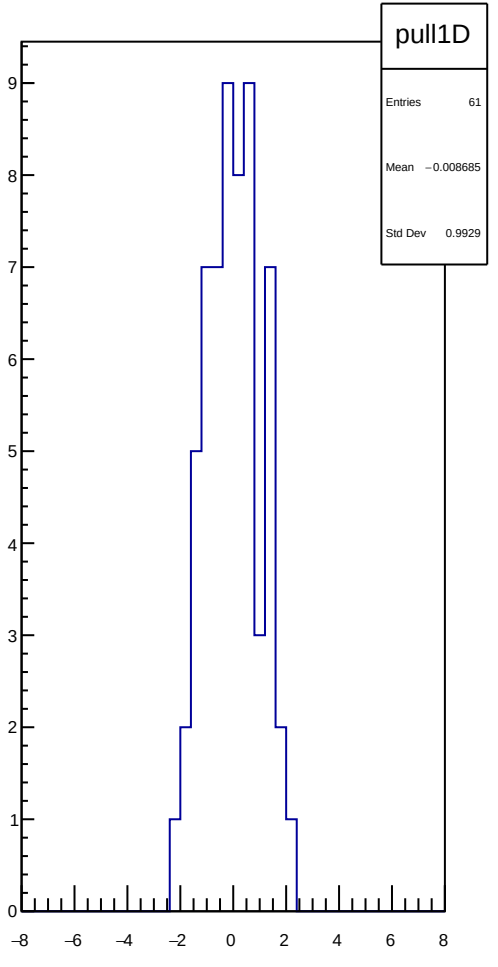

dit_asym_usl_rms vs run
χ² / ndf 555.9 / 60
p0 1127 ± 1.032
1240
1220
1200
1180
1160
1140
1120
1100
1080

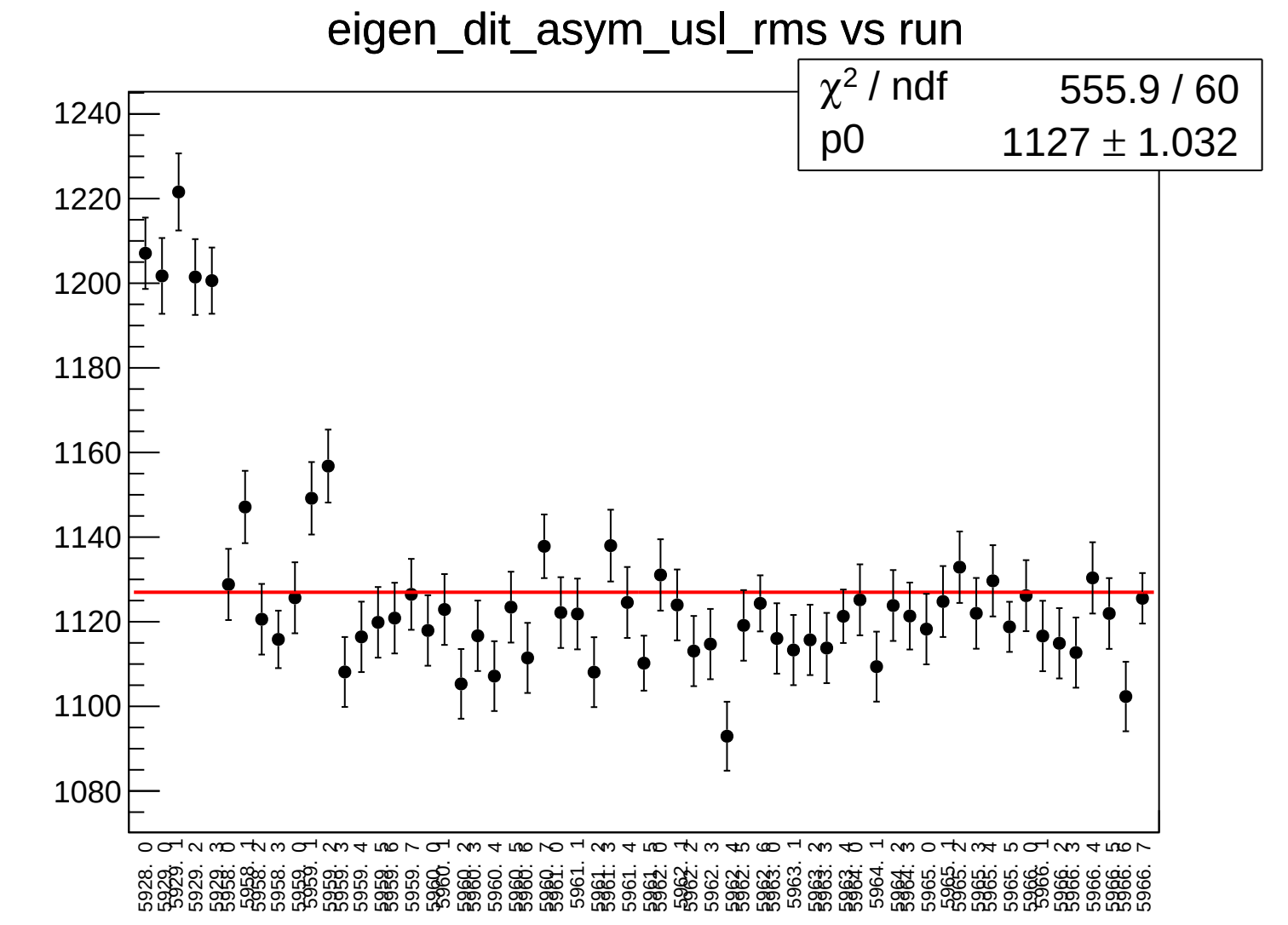

asym_usl_dit_correction_mean vs run
χ² / ndf 45.42 / 60
p0 −1214 ± 956.4
pull
Entries 61
Mean 421.1
Std Dev 0

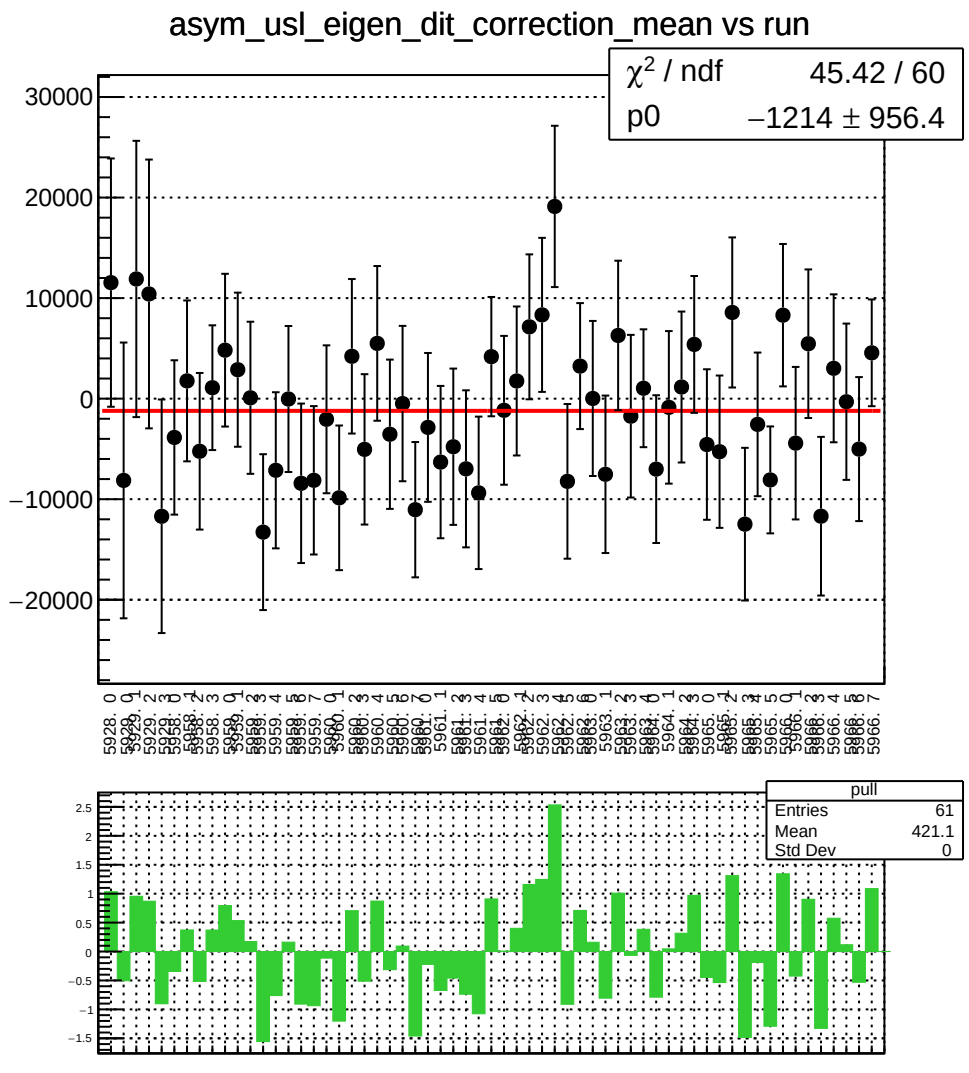

pull1D
Entries 61
Mean 0.002057
Std Dev 0.8629

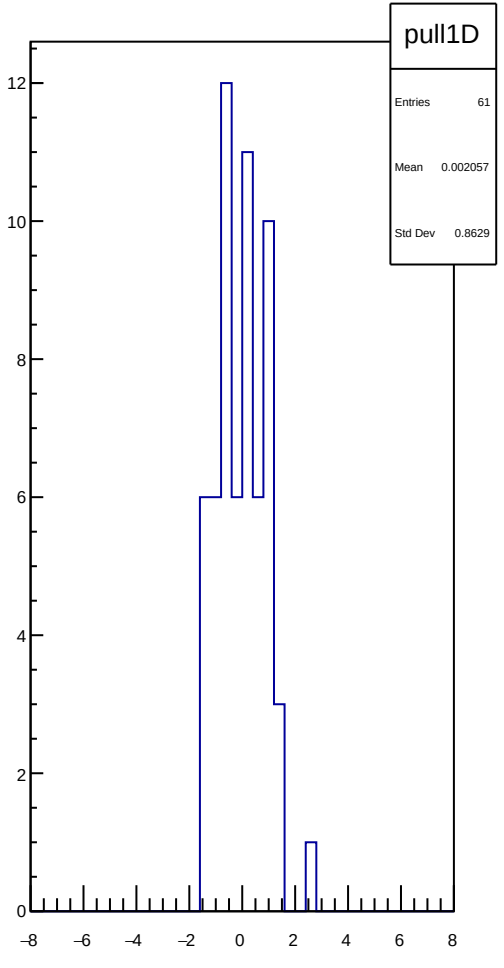

asym_usl_dit_correction_rms vs run
χ² / ndf 1.921e+04 / 60
p0 732.6 ± 0.6763
1300
1200
1100
1000
900
800
700

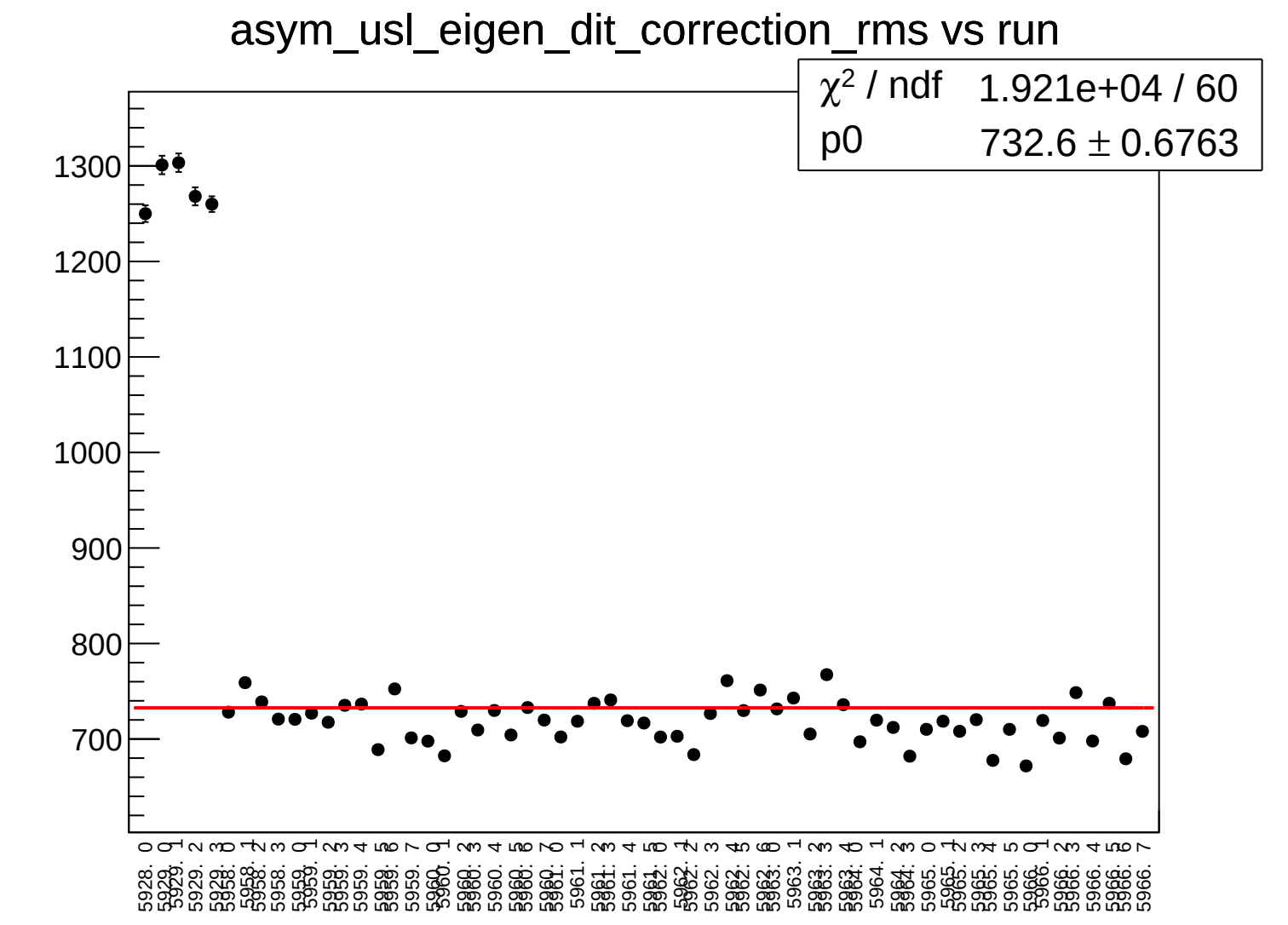

eigen_dit_asym_usl_mean vs run
χ² / ndf 60.14 / 60
p0 −3110 ± 1460
pull
Entries 61
Mean −42.72
Std Dev 0

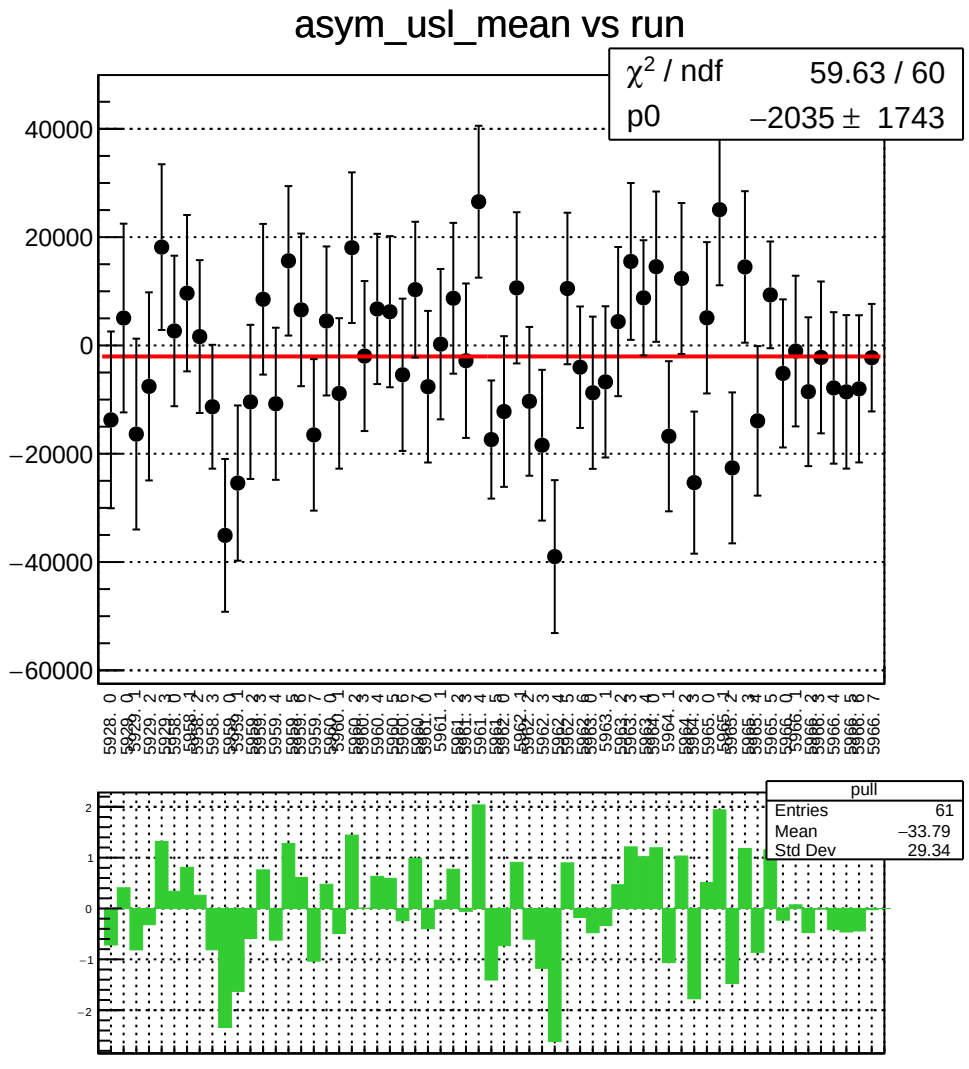

pull1D
Entries 61
Mean −0.008685
Std Dev 0.9929

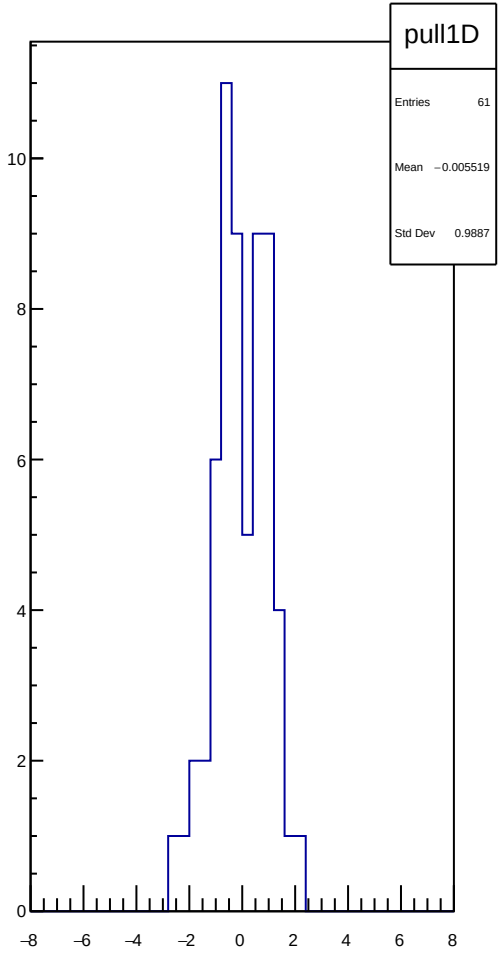

eigen_dit_asym_usl_rms vs run
χ^2 / ndf 555.9 / 60
p0 1127 ± 1.032
1240
1220
1200
1180
1160
1140
1120
1100
1080

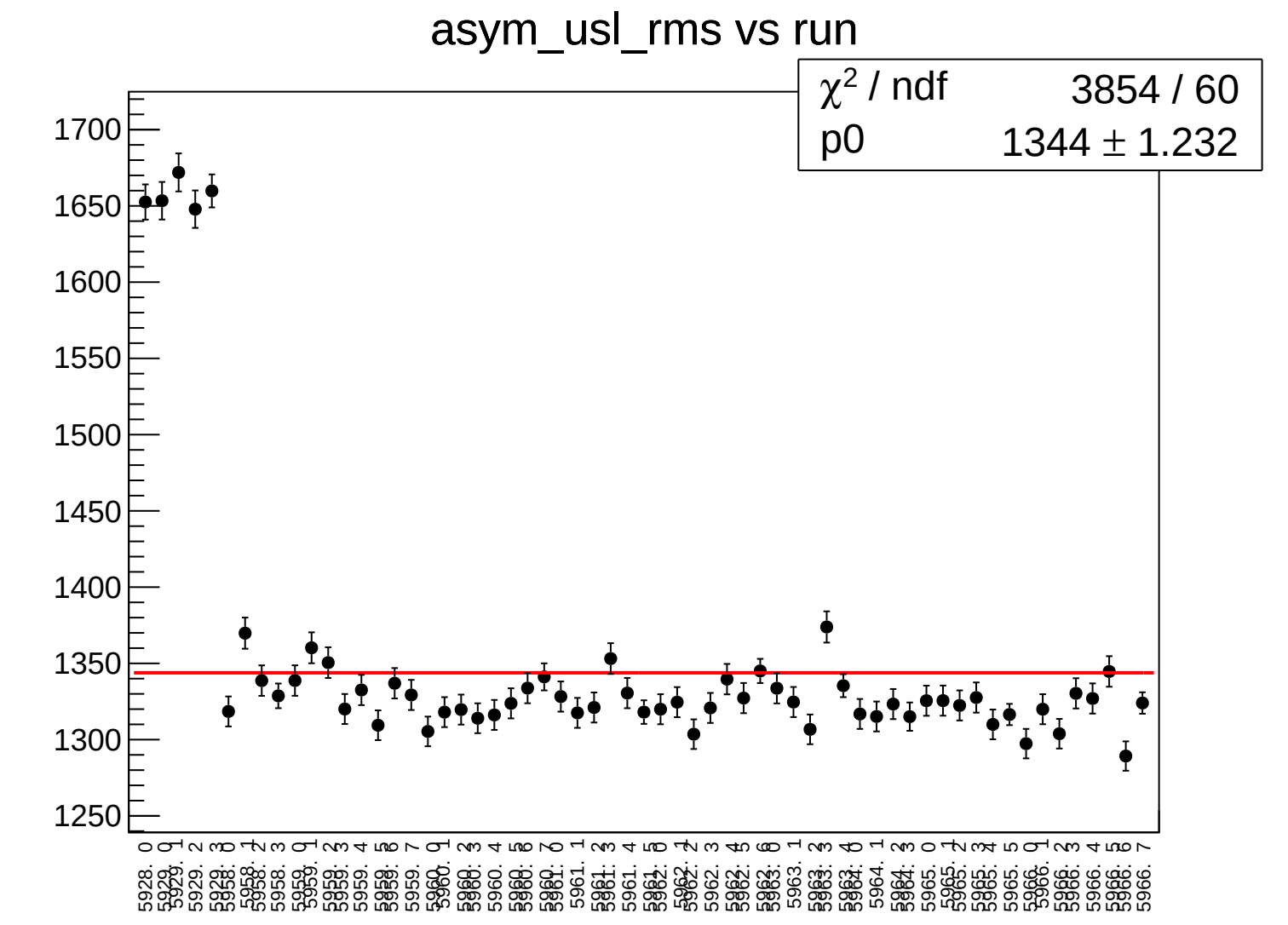

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 45.42 / 60
p0 −1214 ± 956.4
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 421.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

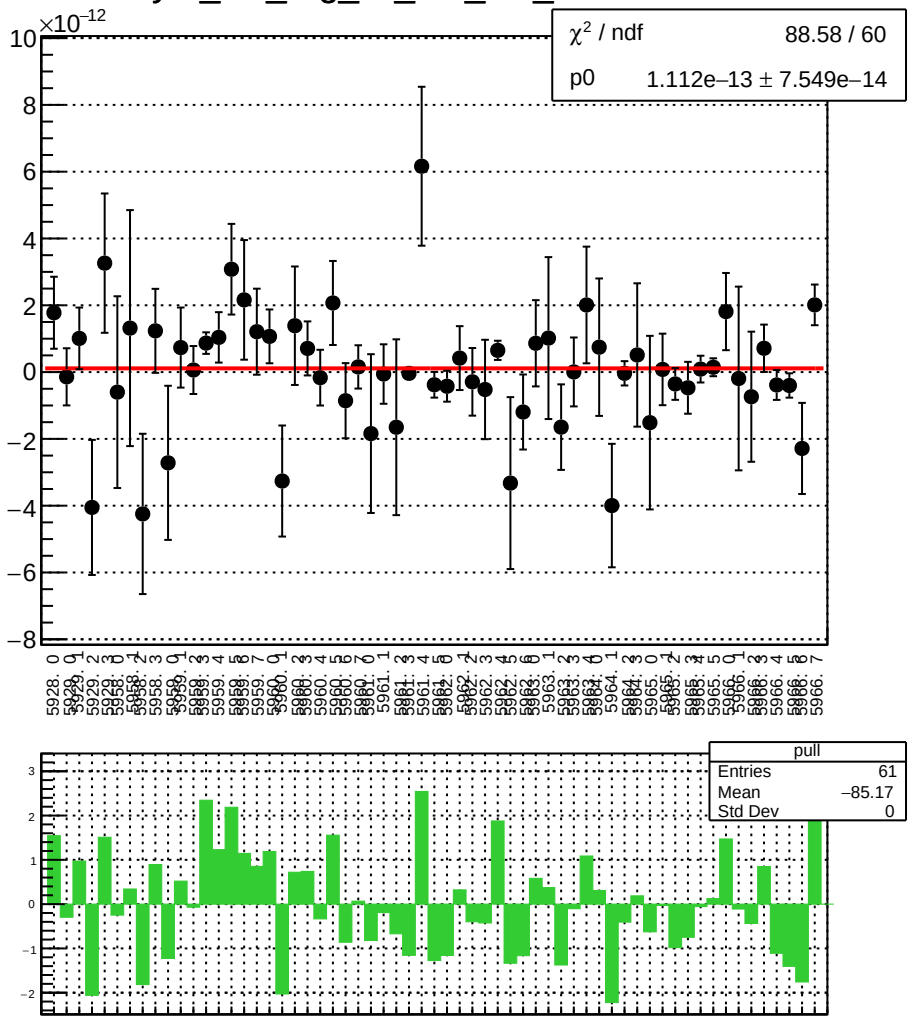

pull1D
Entries 61
Mean 0.002057
Std Dev 0.8629
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

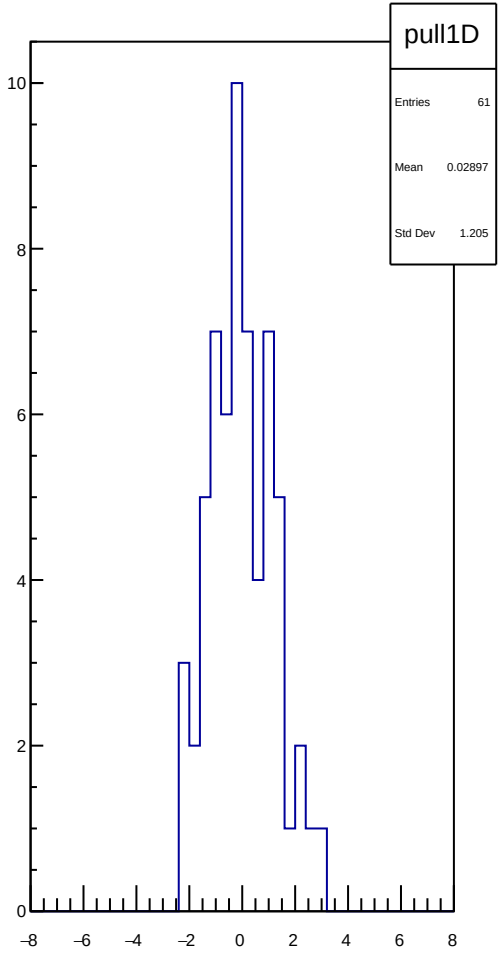

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 1.921e+04 / 60
p0 732.6 ± 0.6763
1300
1200
1100
1000
900
800
700

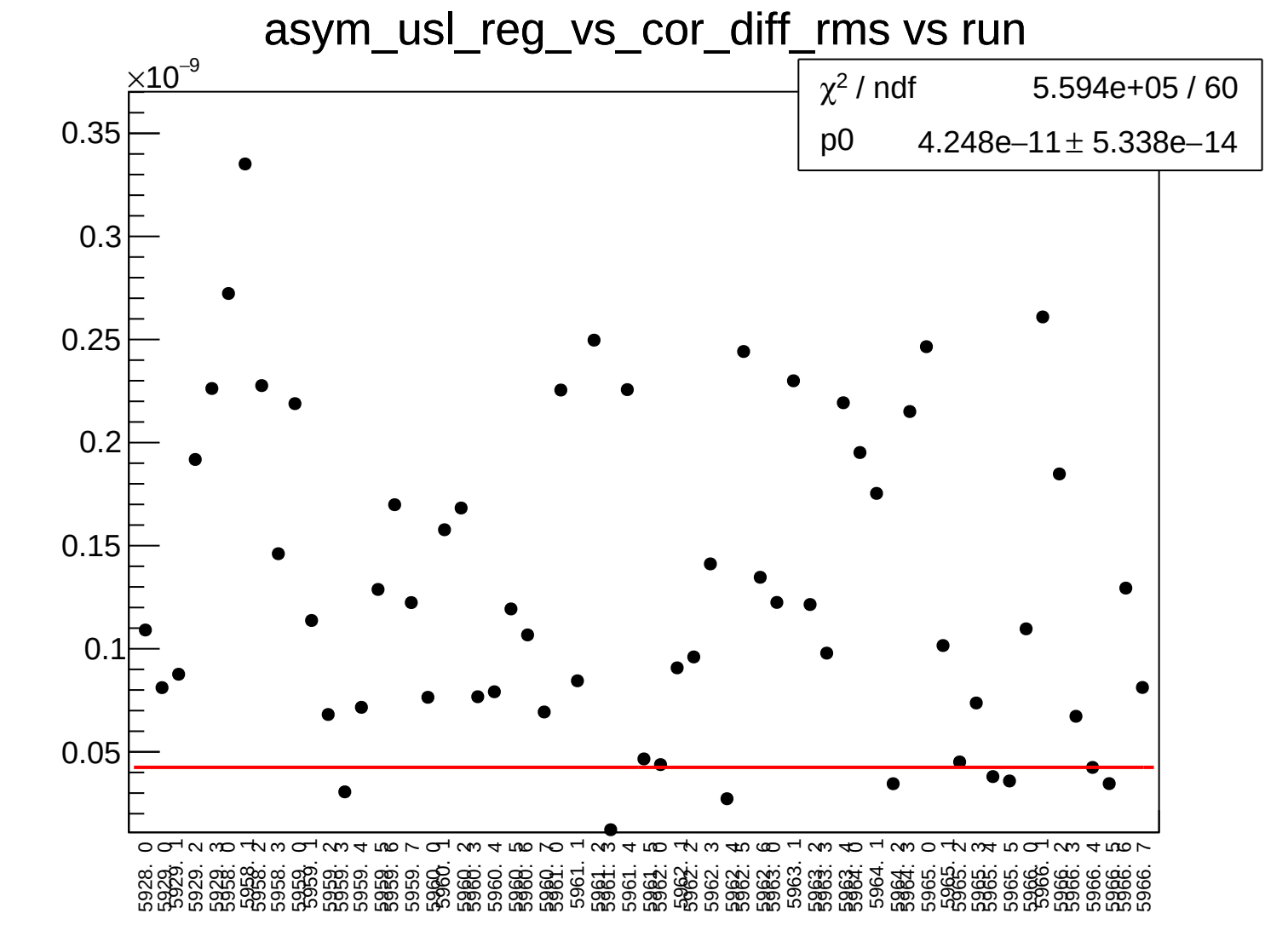

asym_usl_mean vs run
χ² / ndf 59.63 / 60
p0 −2035 ± 1743
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −33.79
Std Dev 29.34
2
1
0
−1
−2

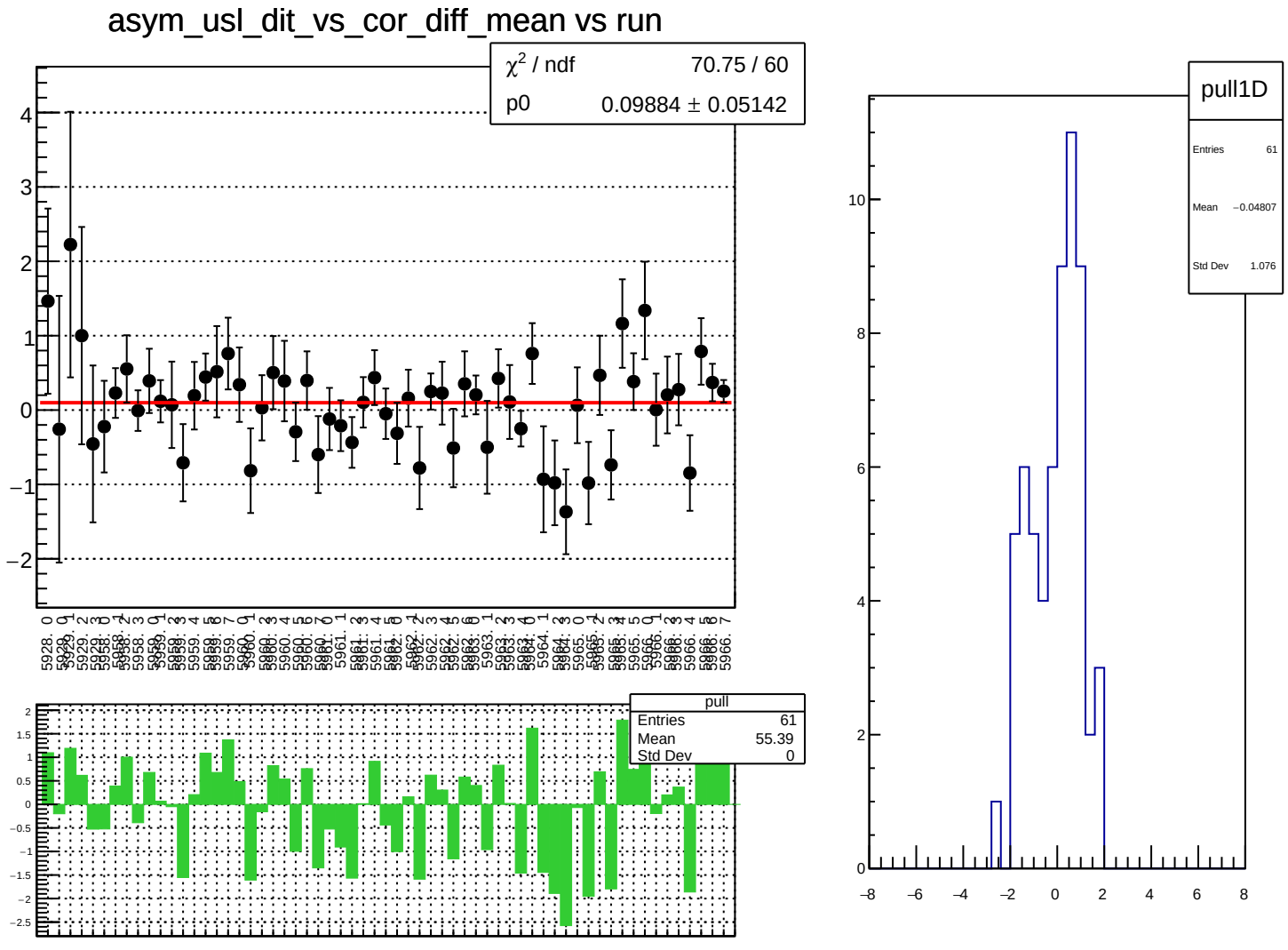

pull1D
Entries 61
Mean −0.005519
Std Dev 0.9887
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

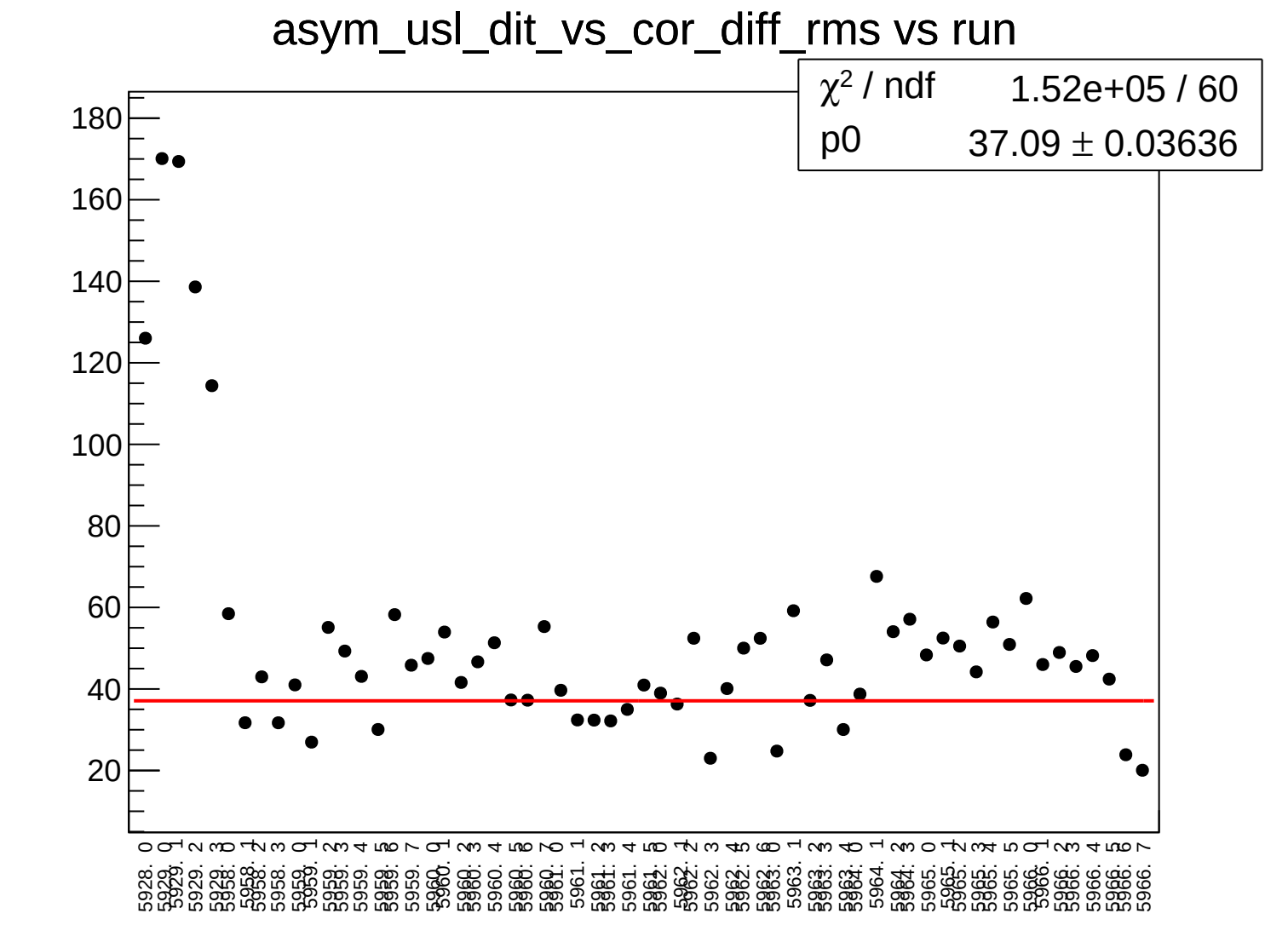

asym_usl_rms vs run
χ² / ndf 3854 / 60
p0 1344 ± 1.232
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

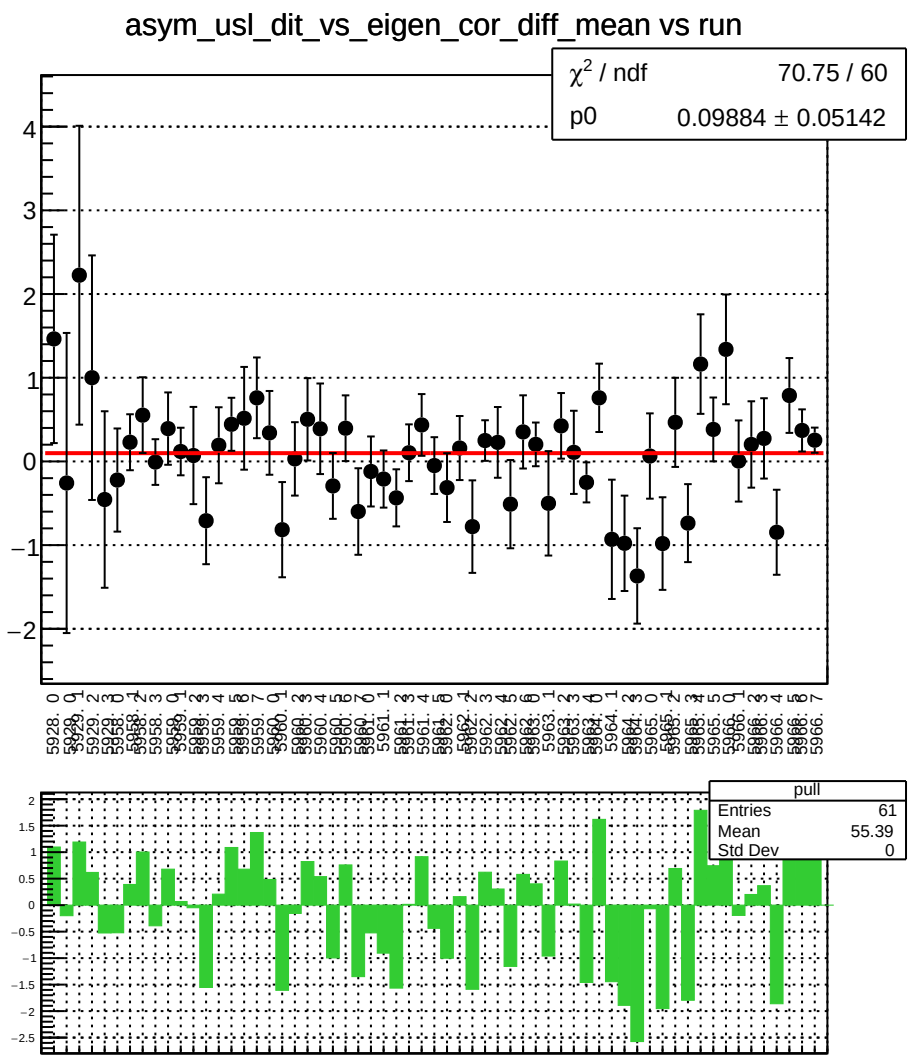

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.58 / 60
p0 1.112e−13 ± 7.549e−14
pull
Entries 61
Mean −85.17
Std Dev 0

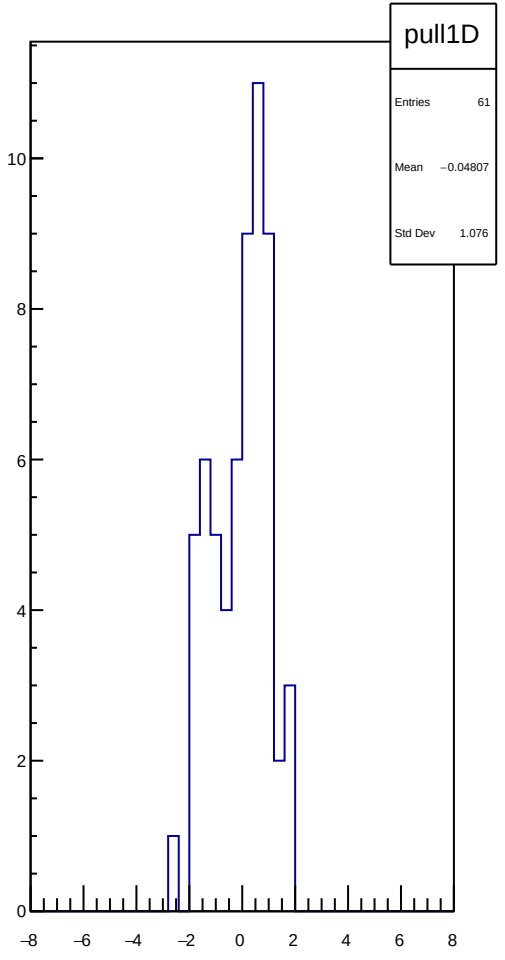

pull1D
Entries 61
Mean 0.02897
Std Dev 1.205

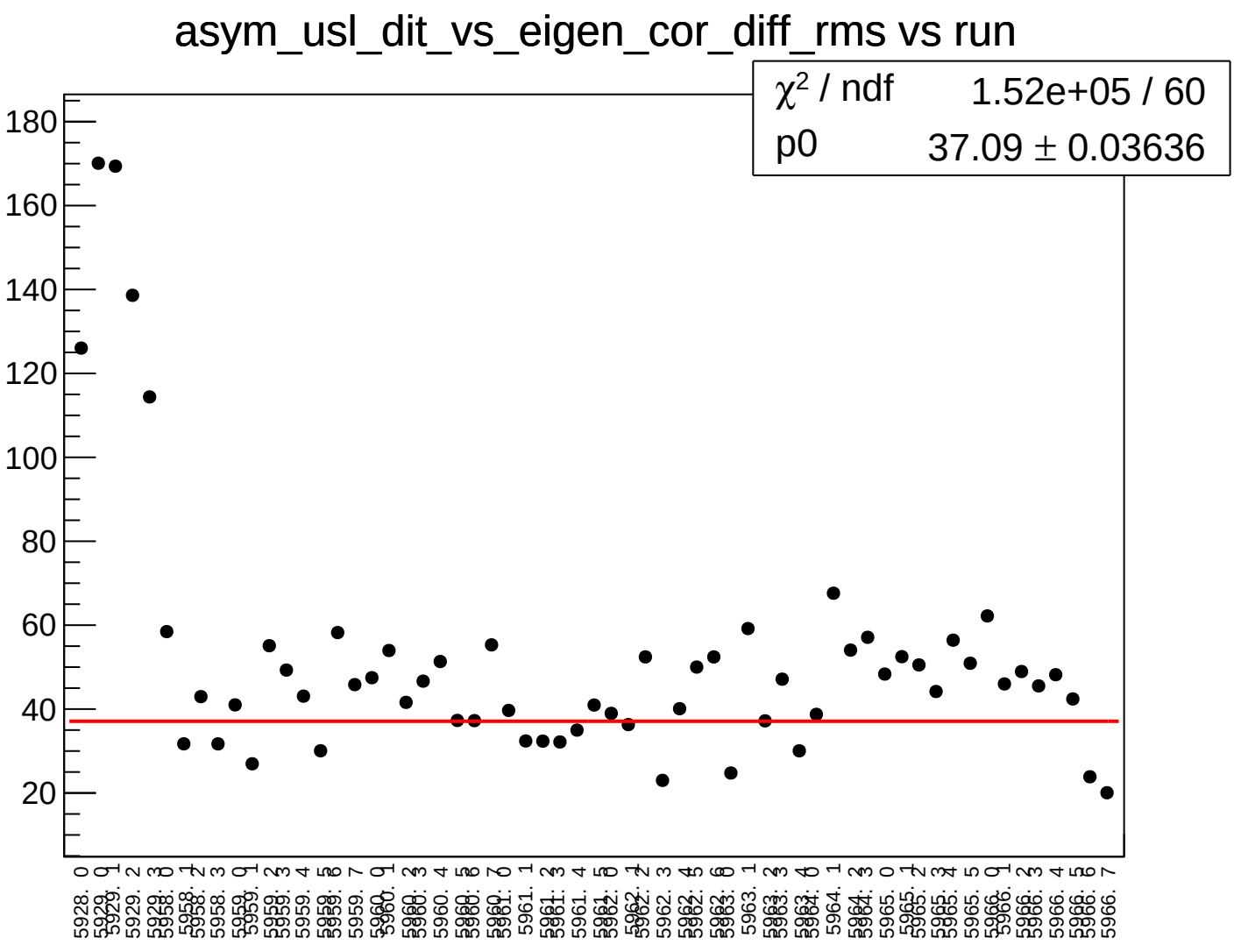

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.594e+05 / 60
p0 4.248e−11 ± 5.338e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

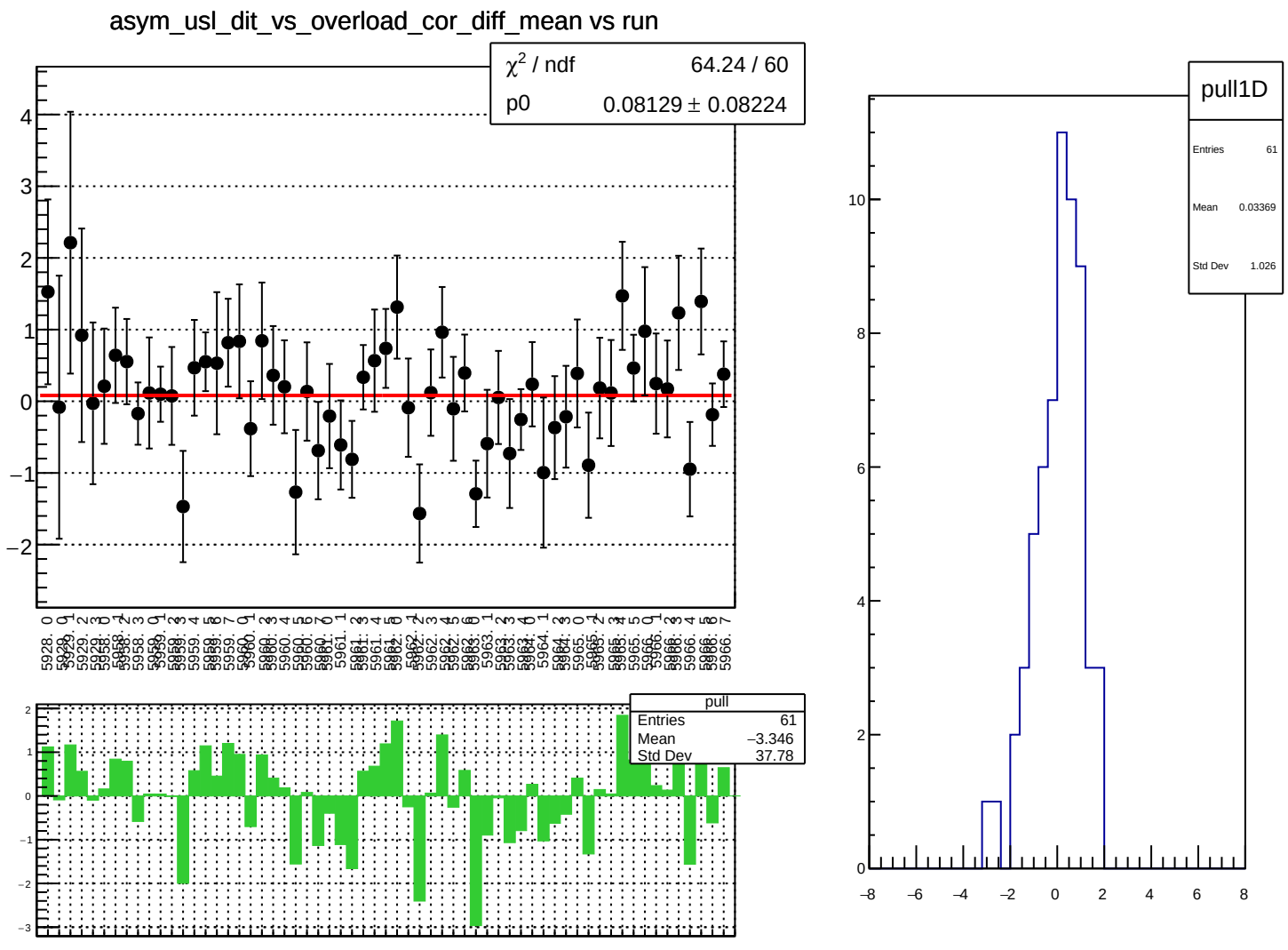

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 70.75 / 60
p0 0.09884 ± 0.05142
pull
Entries 61
Mean 55.39
Std Dev 0
pull1D
Entries 61
Mean −0.04807
Std Dev 1.076

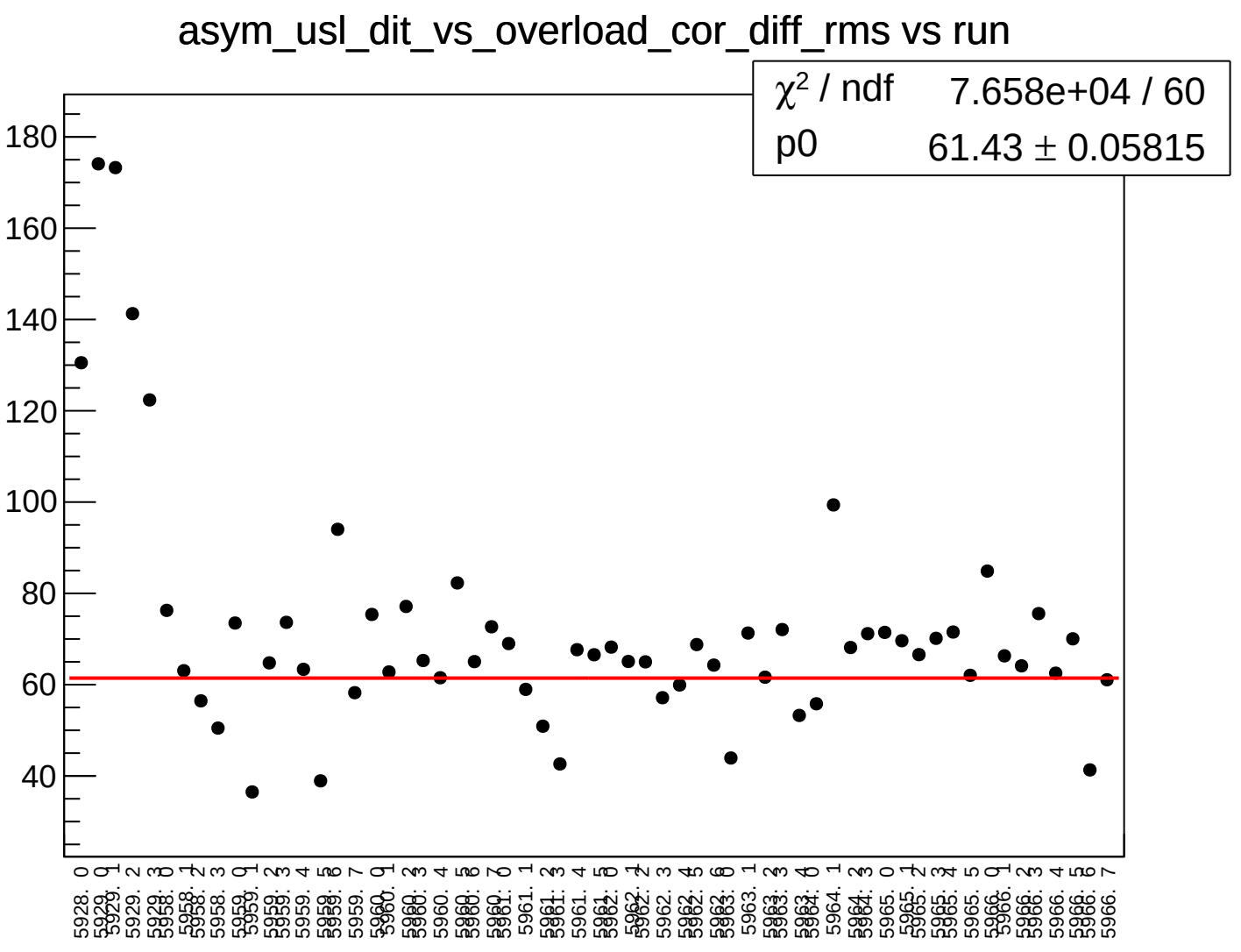

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 60
p0 37.09 ± 0.03636
180
160
140
120
100
80
60
40
20

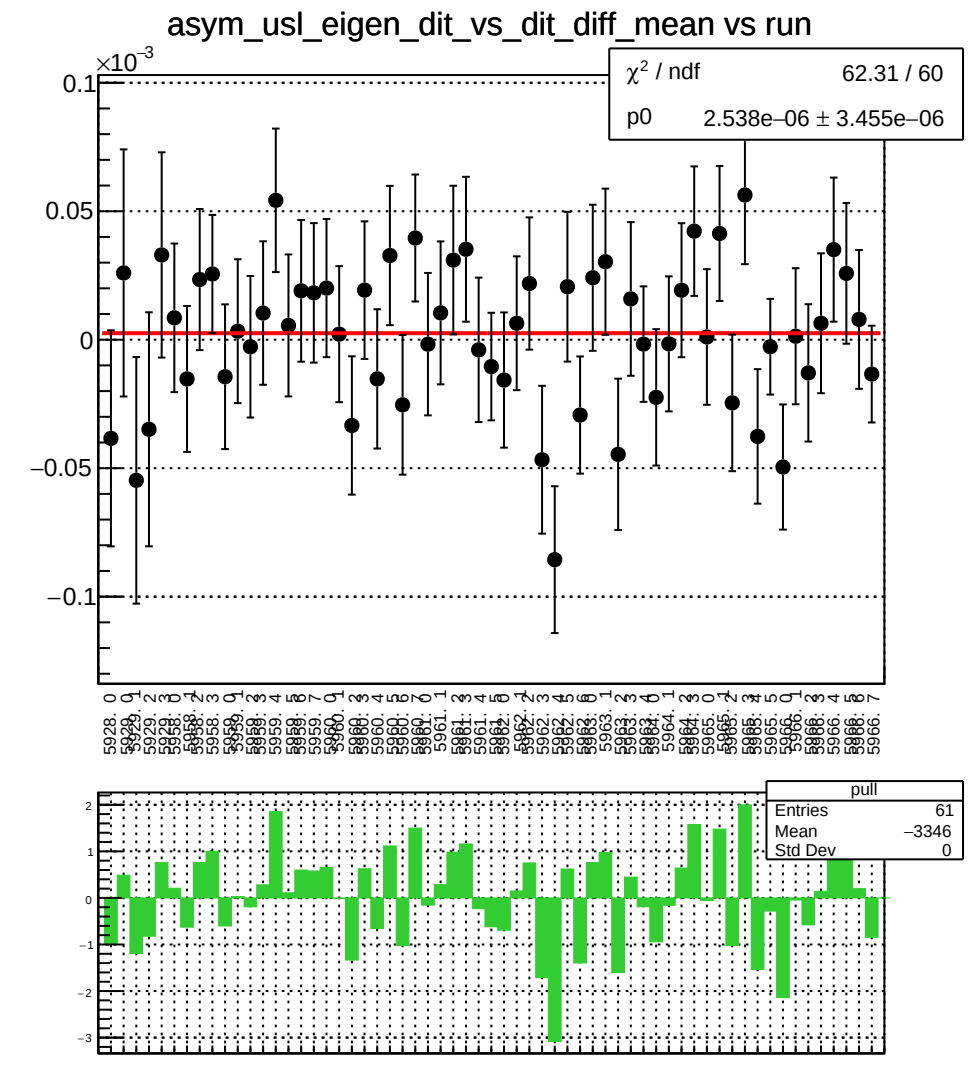

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.75 / 60
p0 0.09884 ± 0.05142
pull
Entries 61
Mean 55.39
Std Dev 0

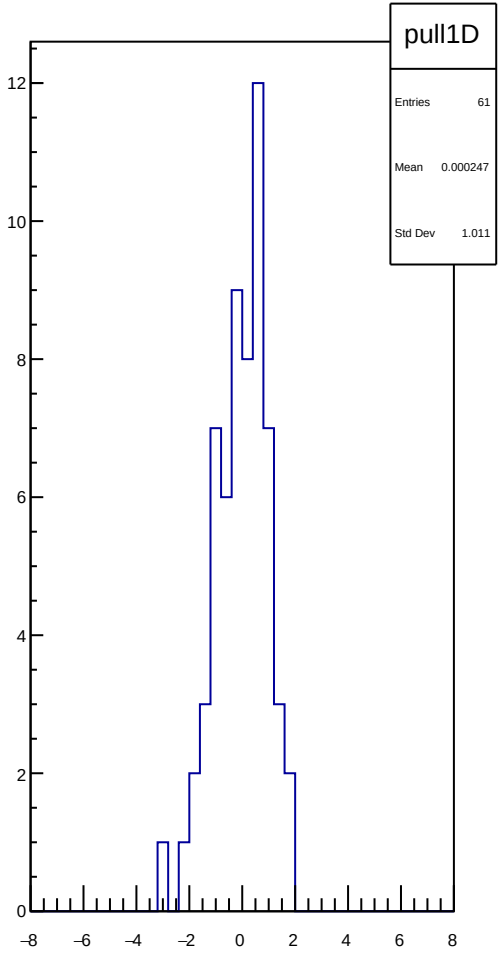

pull1D
Entries 61
Mean −0.04807
Std Dev 1.076

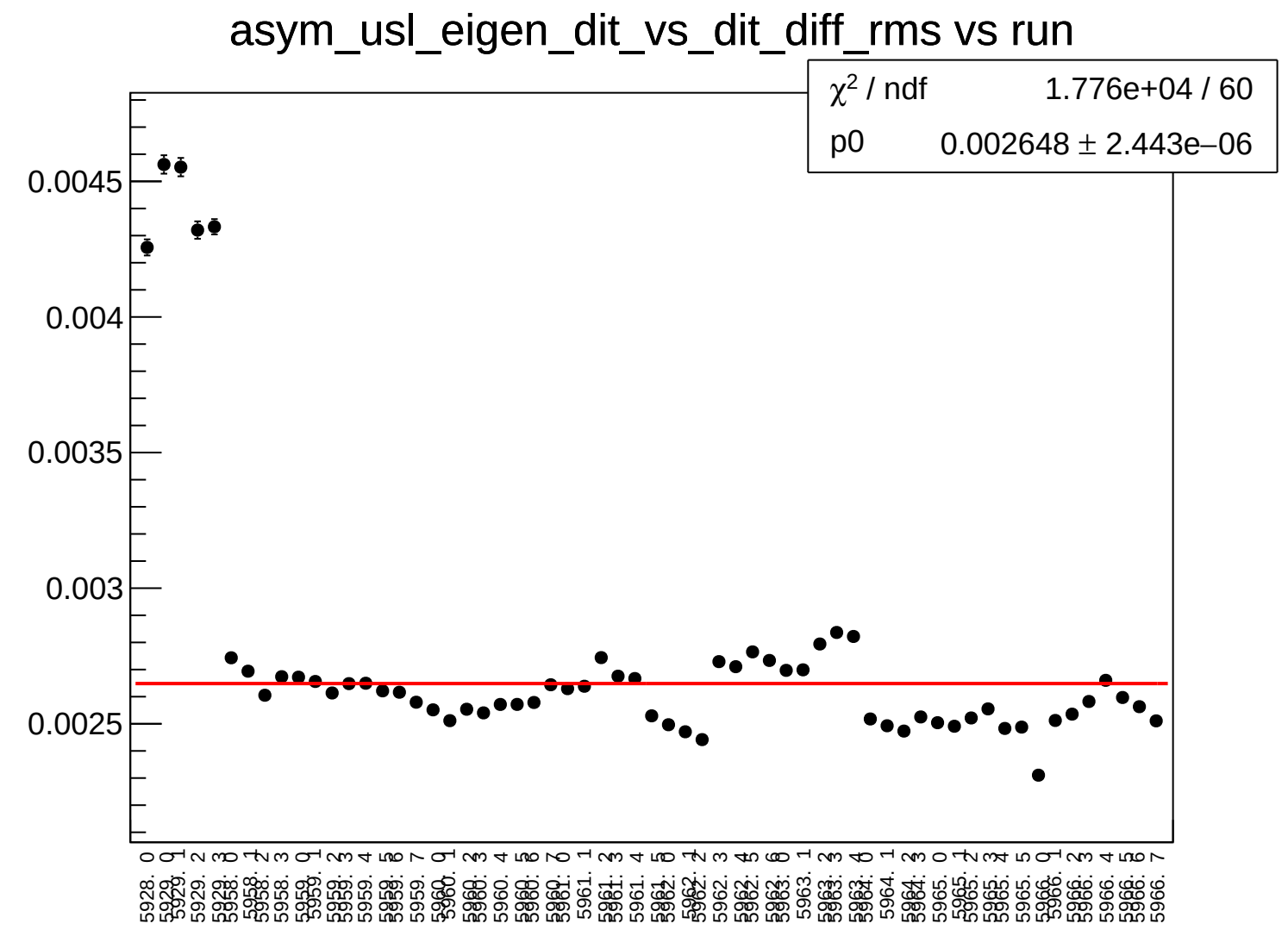

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 60
p0 37.09 ± 0.03636
180
160
140
120
100
80
60
40
20

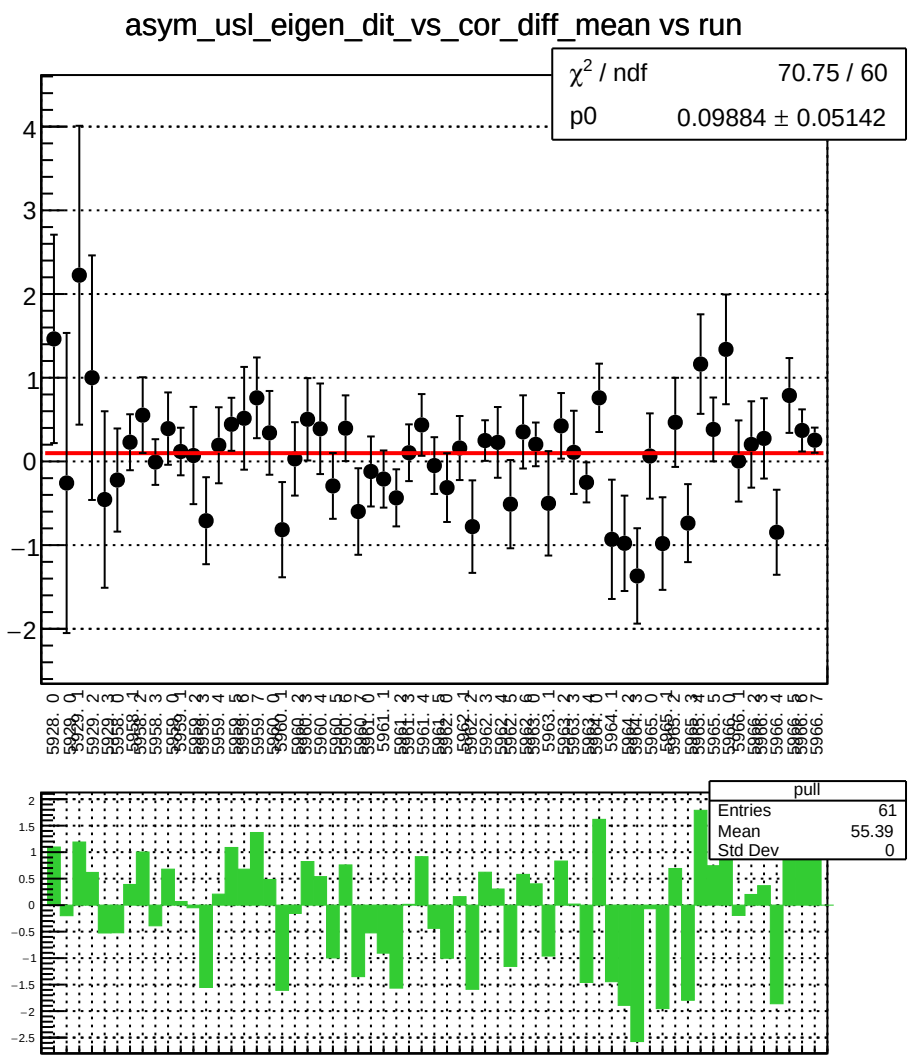

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 64.24 / 60
p0 0.08129 ± 0.08224
pull
Entries 61
Mean −3.346
Std Dev 37.78
pull1D
Entries 61
Mean 0.03369
Std Dev 1.026

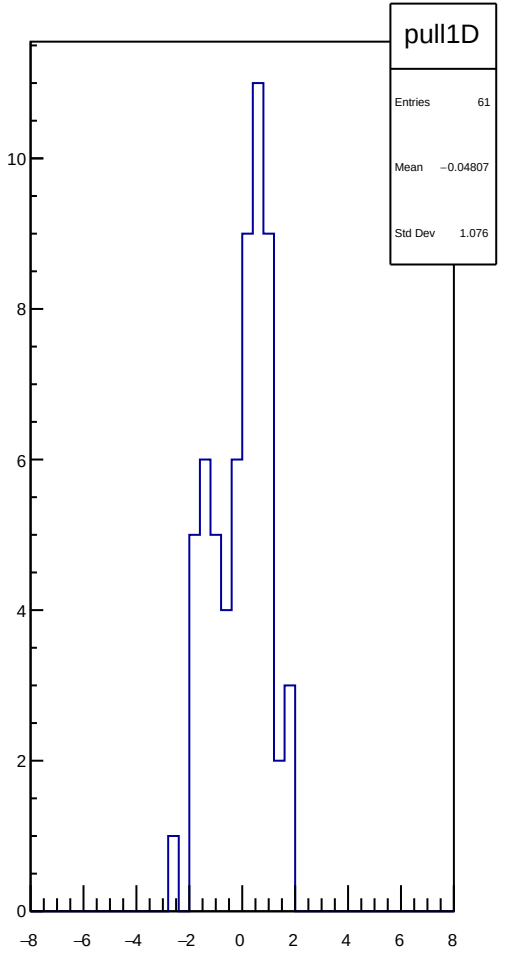

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.658e+04 / 60
p0 61.43 ± 0.05815
180
160
140
120
100
80
60
40

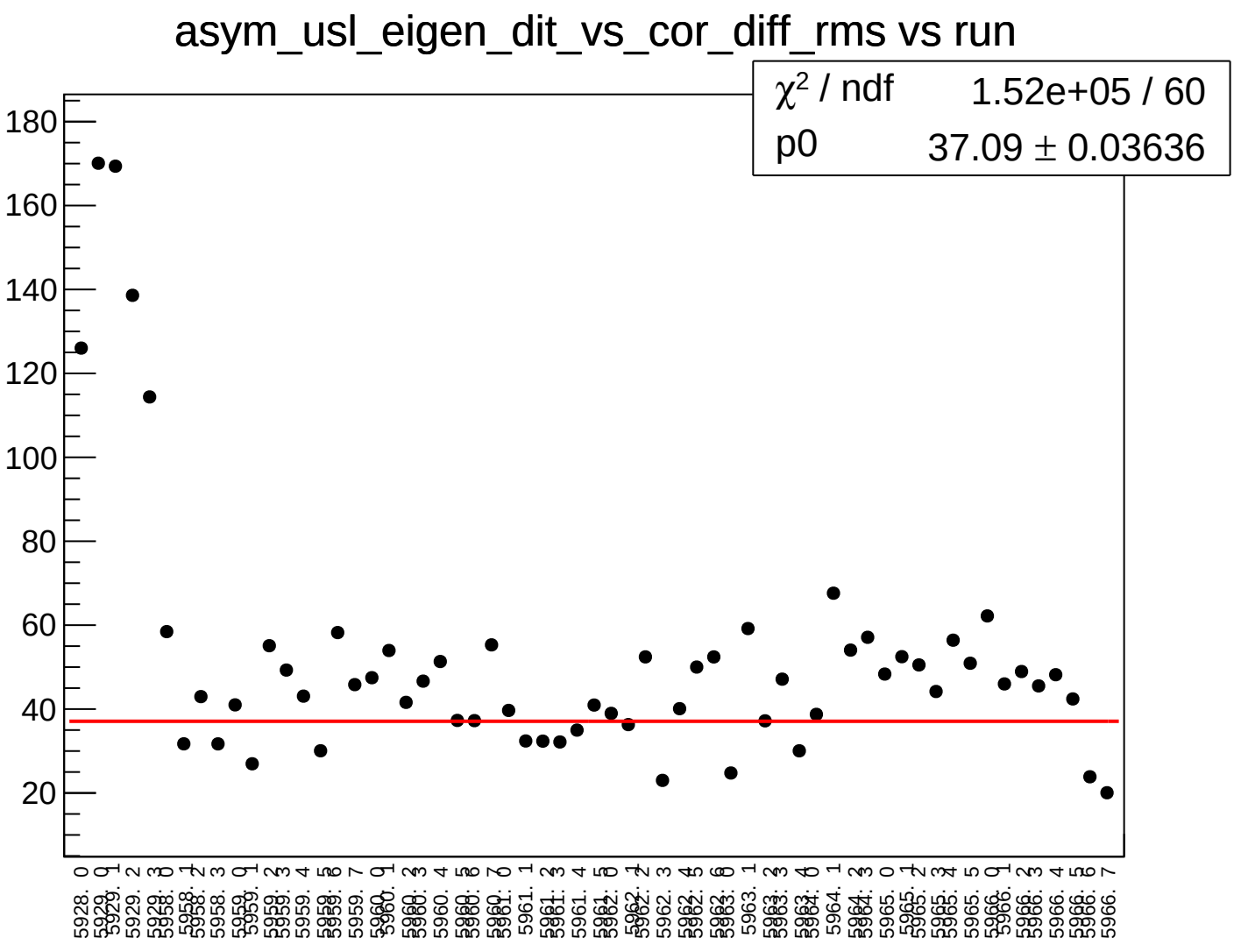

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.31 / 60
p0 2.538e−06 ± 3.455e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 61
Mean −3346
Std Dev 0
2
1
0
−1
−2
−3

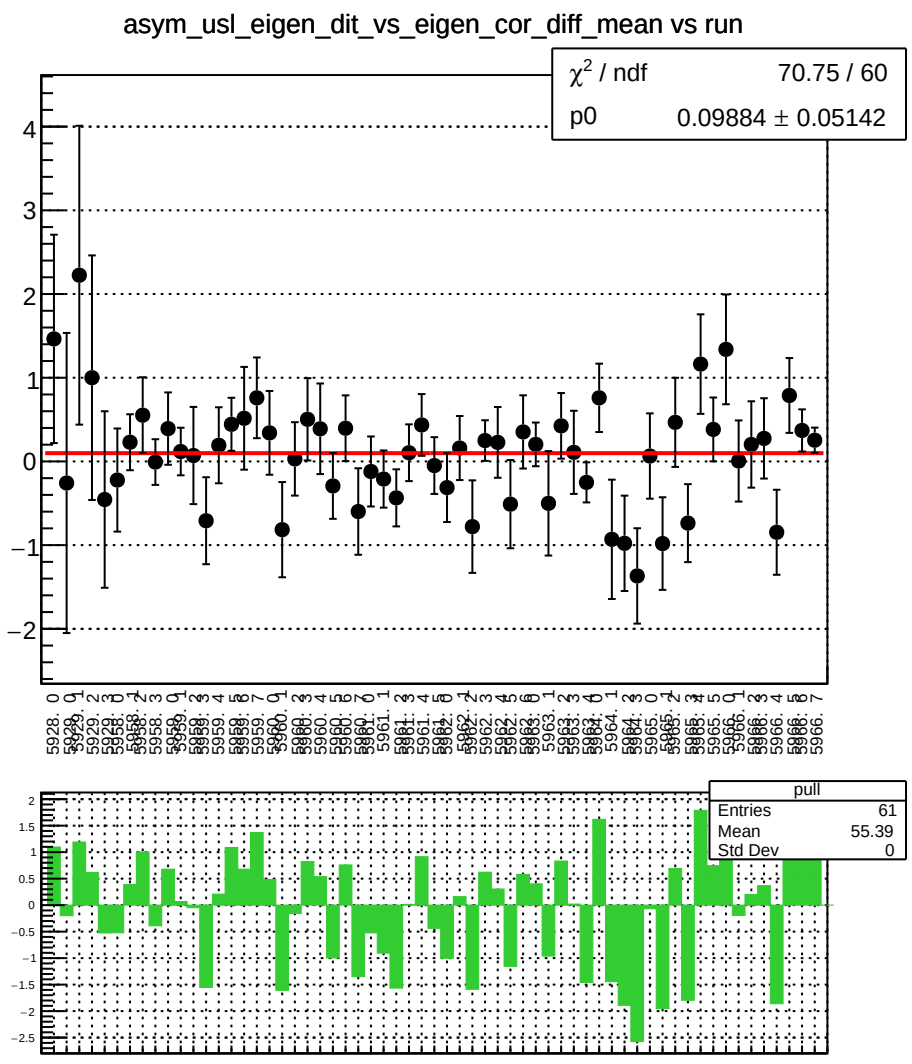

pull1D
Entries 61
Mean 0.000247
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

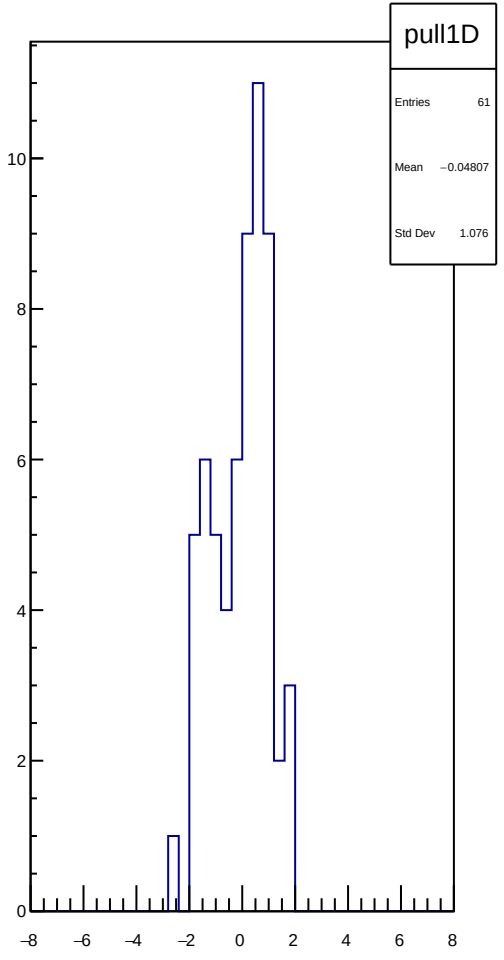

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.776e+04 / 60
p0 0.002648 ± 2.443e−06
0.0045
0.004
0.0035
0.003
0.0025

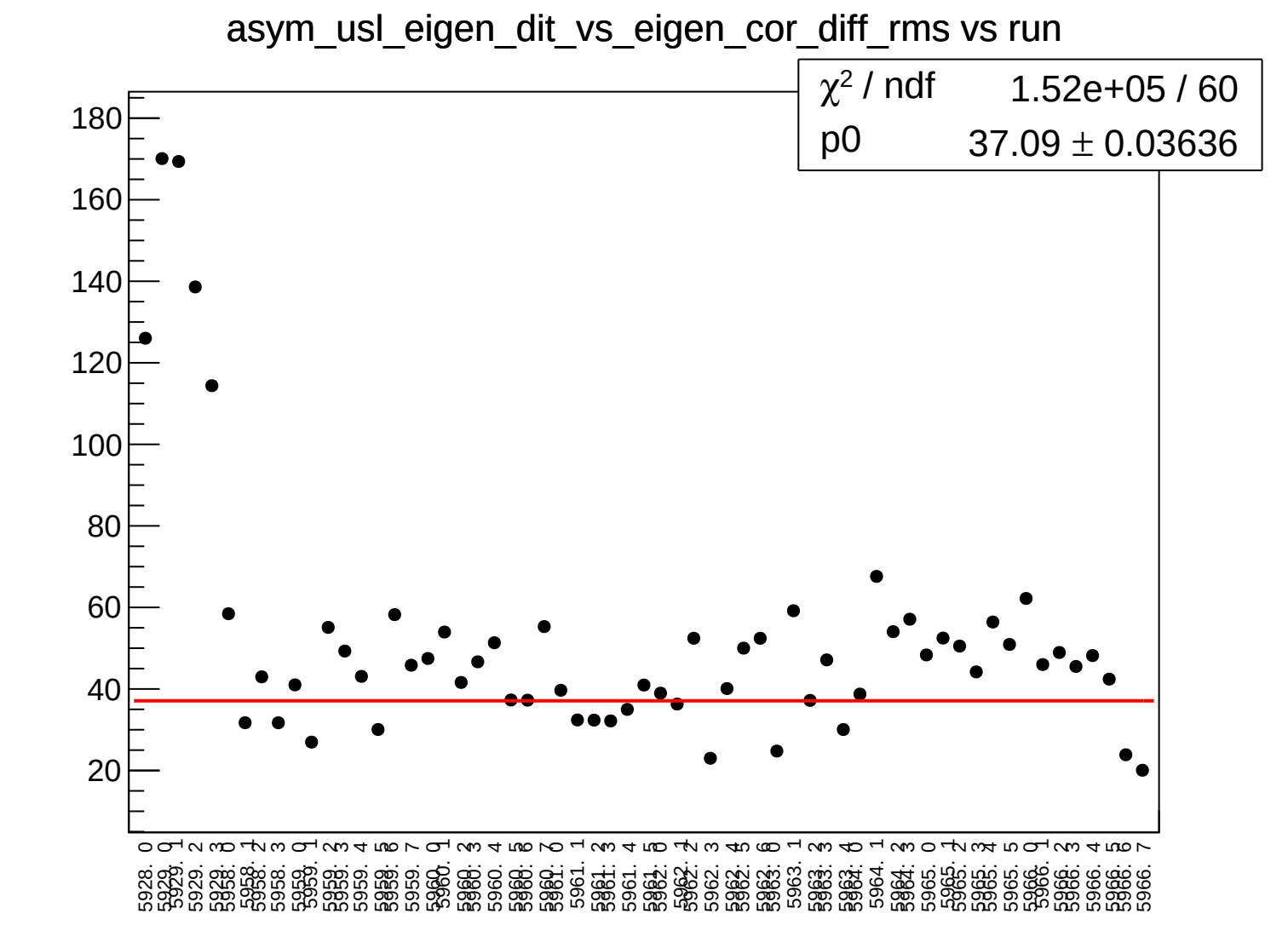

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.75 / 60
p0 0.09884 ± 0.05142
pull
Entries 61
Mean 55.39
Std Dev 0

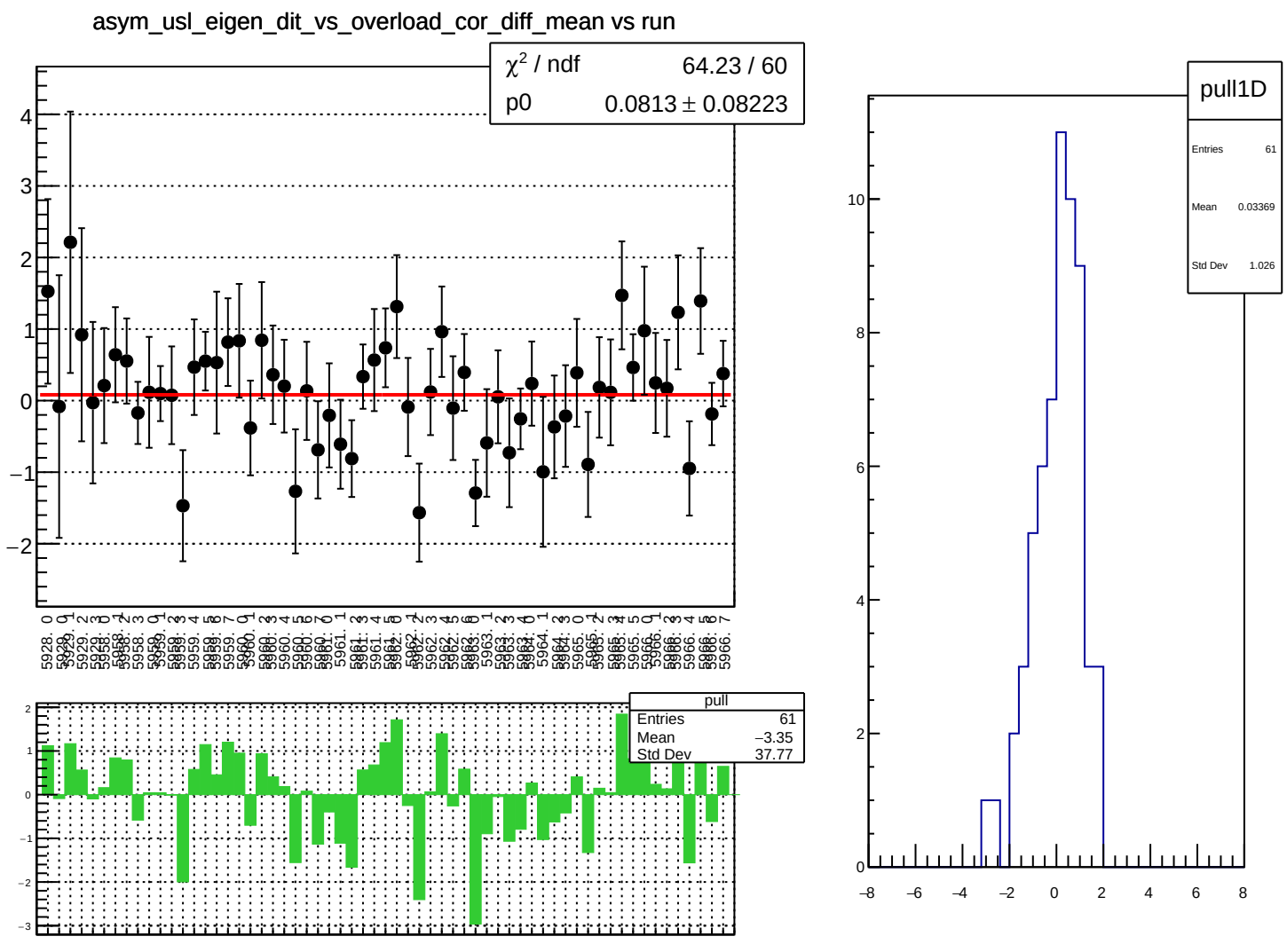

pull1D
Entries 61
Mean −0.04807
Std Dev 1.076

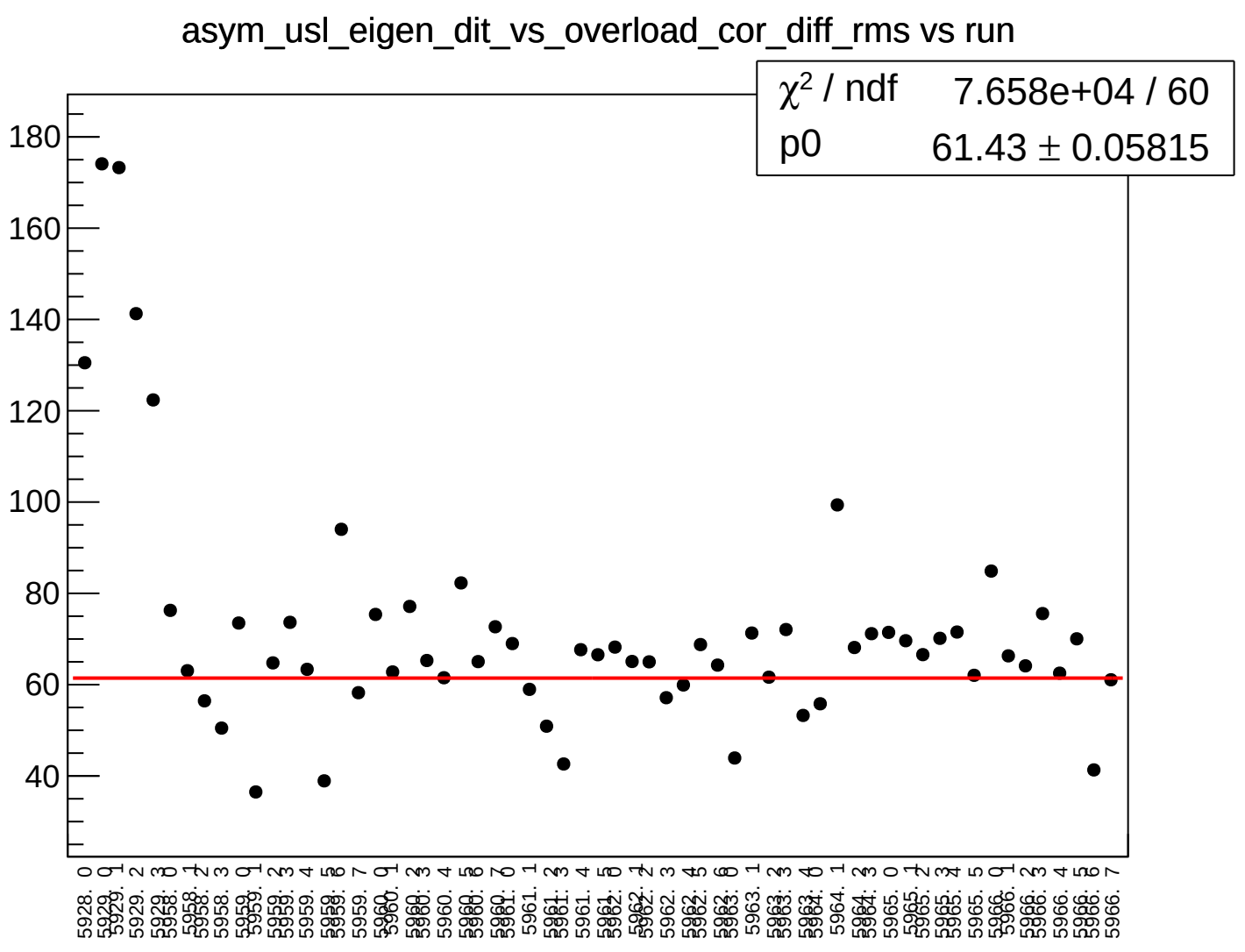

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 60
p0 37.09 ± 0.03636
180
160
140
120
100
80
60
40
20

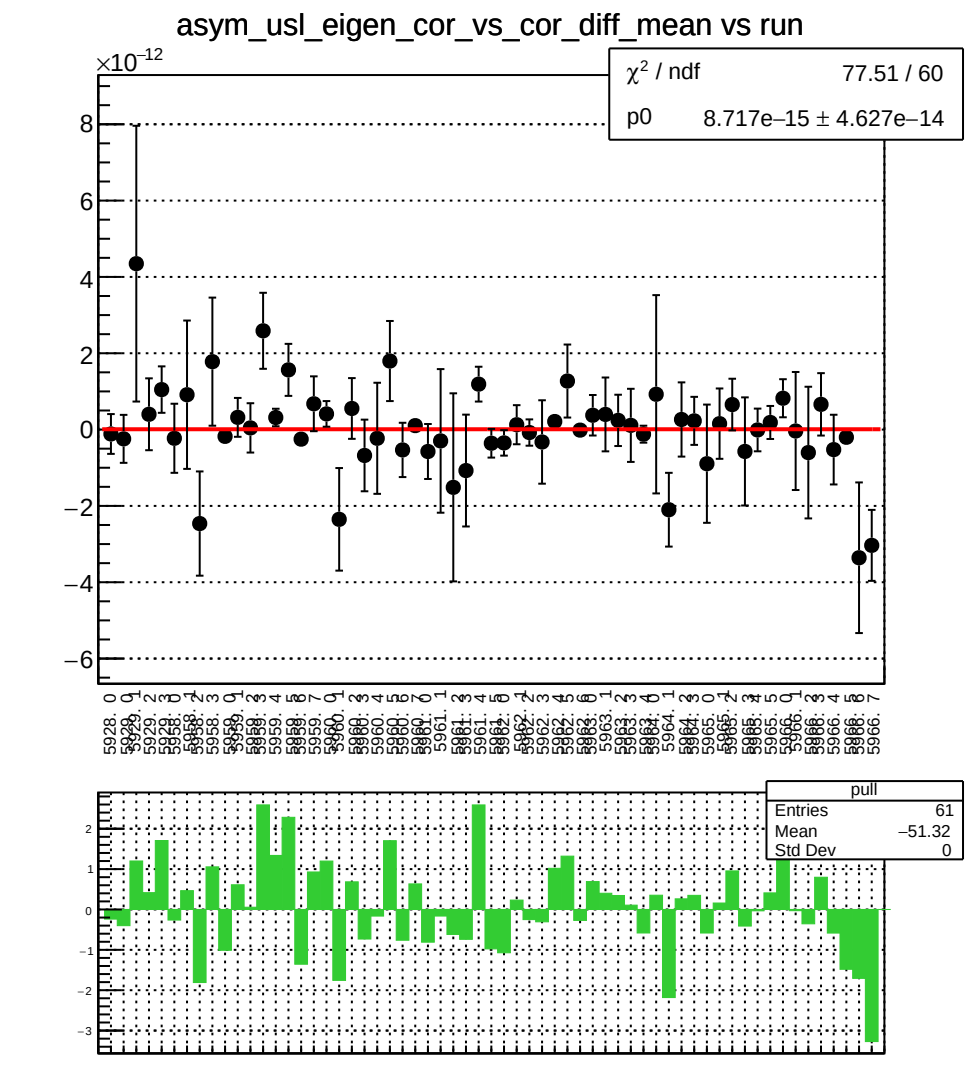

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.75 / 60
p0 0.09884 ± 0.05142
pull
Entries 61
Mean 55.39
Std Dev 0

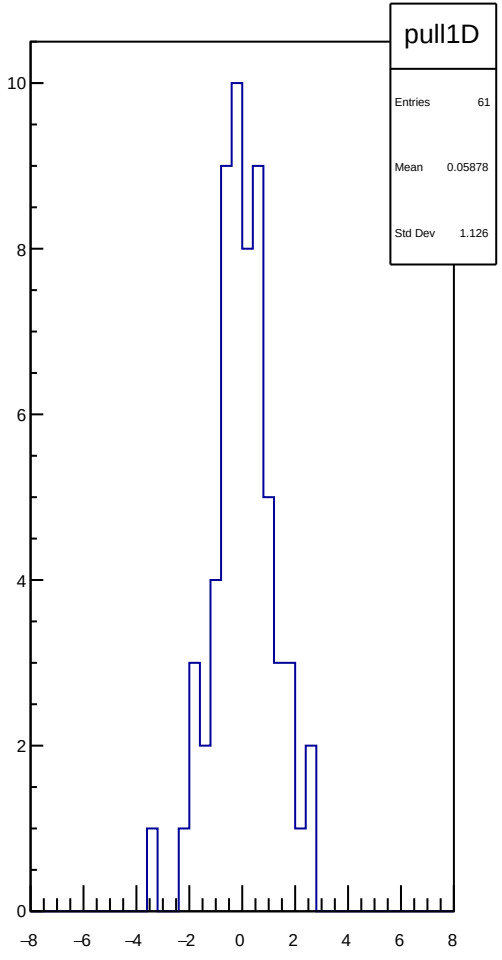

pull1D
Entries 61
Mean −0.04807
Std Dev 1.076

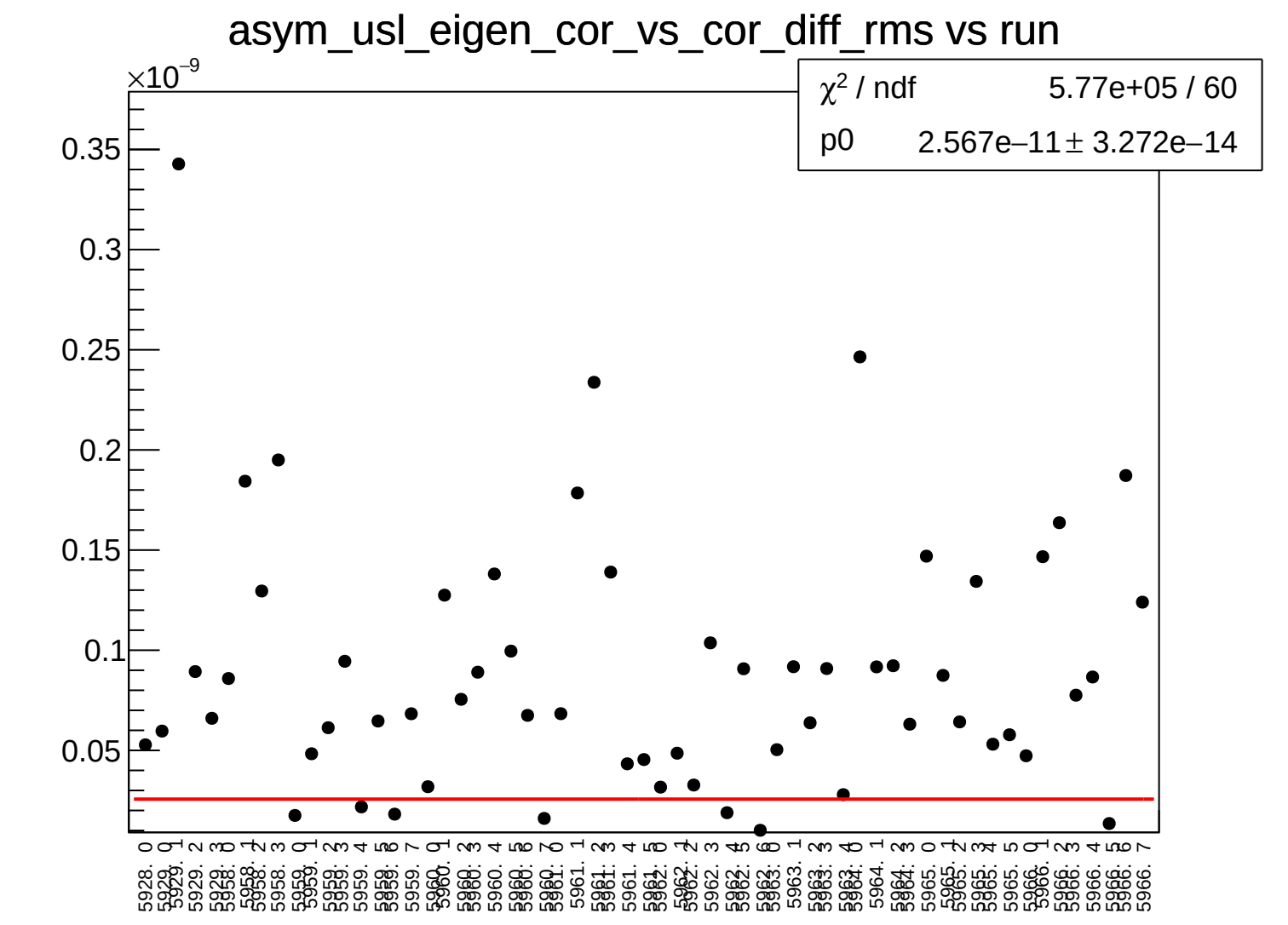

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.52e+05 / 60
p0 37.09 ± 0.03636
180
160
140
120
100
80
60
40
20

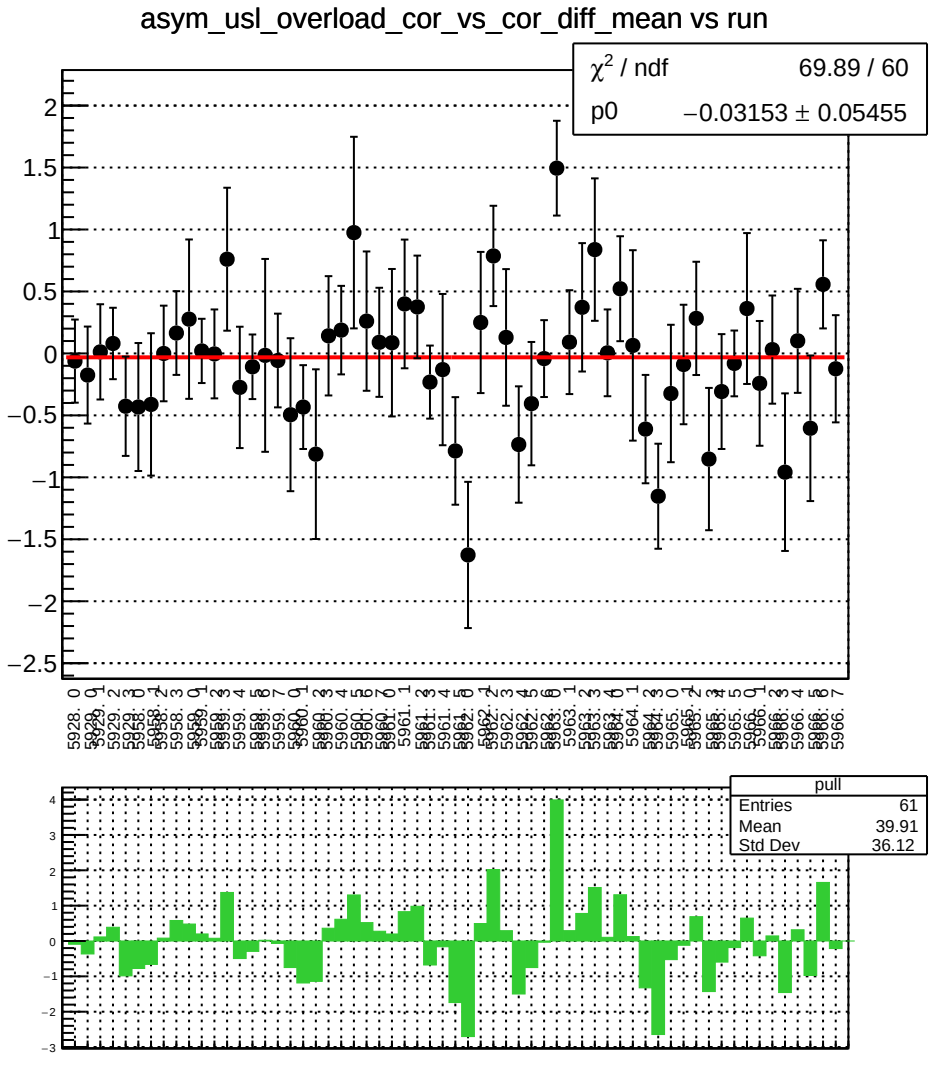

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 64.23 / 60
p0 0.0813 ± 0.08223
pull
Entries 61
Mean −3.35
Std Dev 37.77
pull1D
Entries 61
Mean 0.03369
Std Dev 1.026

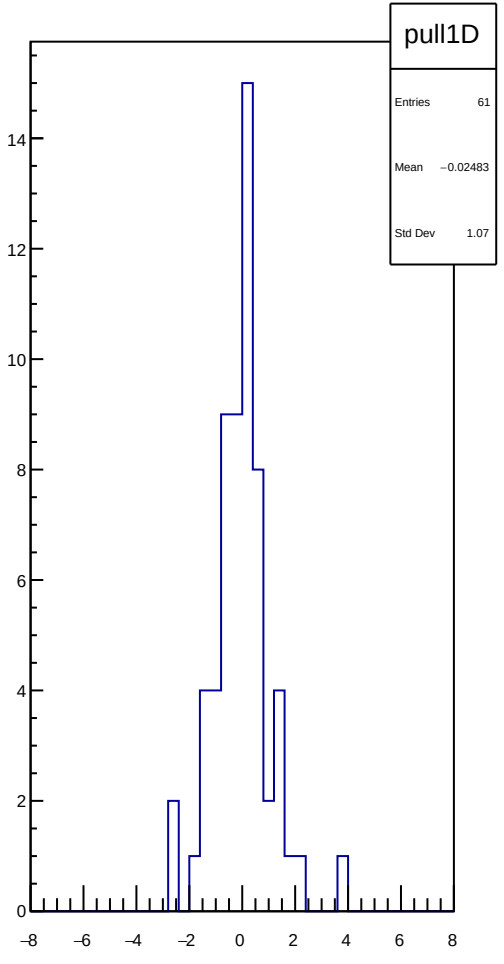

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.658e+04 / 60
p0 61.43 ± 0.05815
180
160
140
120
100
80
60
40

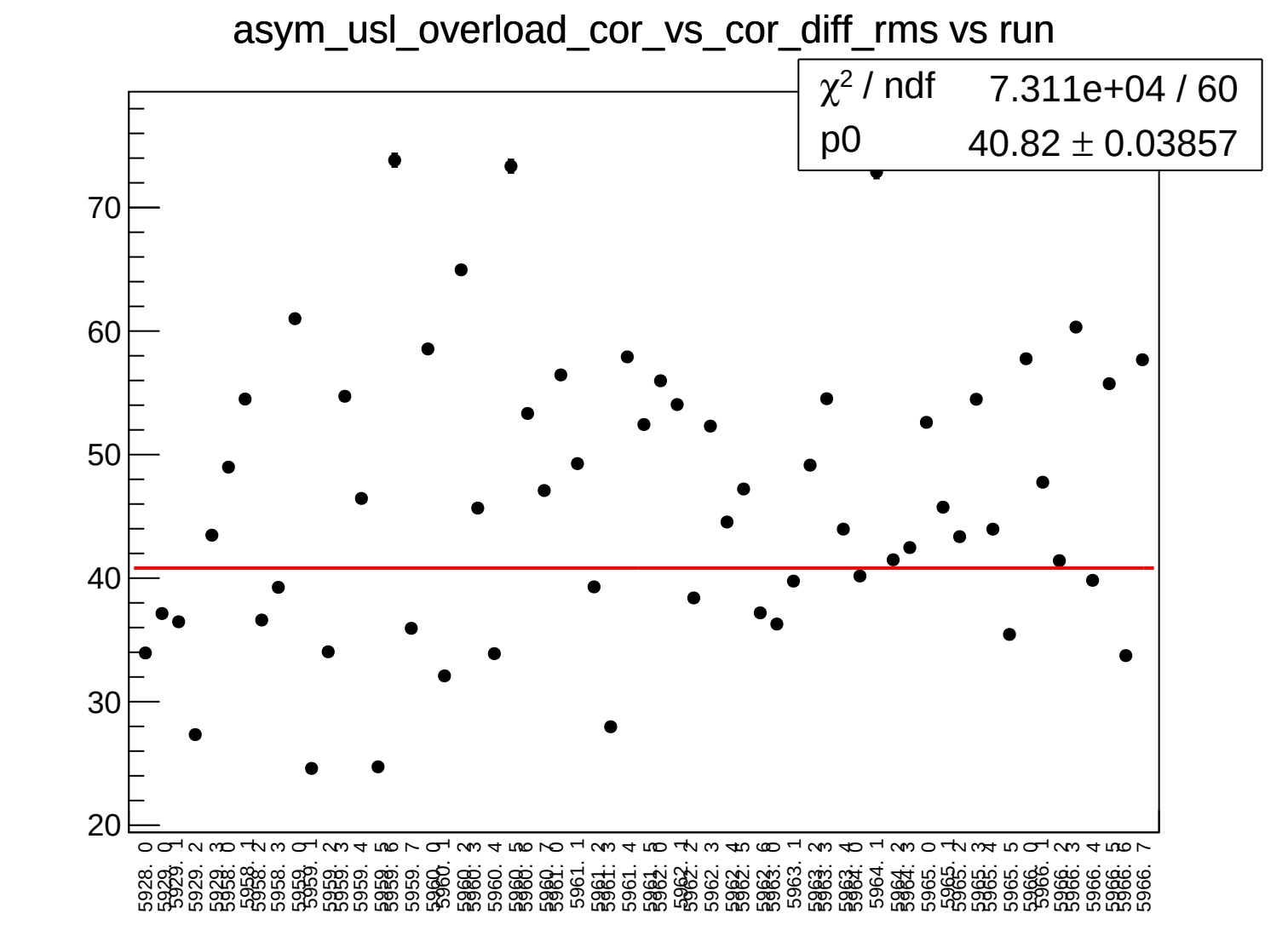

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.51 / 60
p0 8.717e−15 ± 4.627e−14
pull
Entries 61
Mean −51.32
Std Dev 0

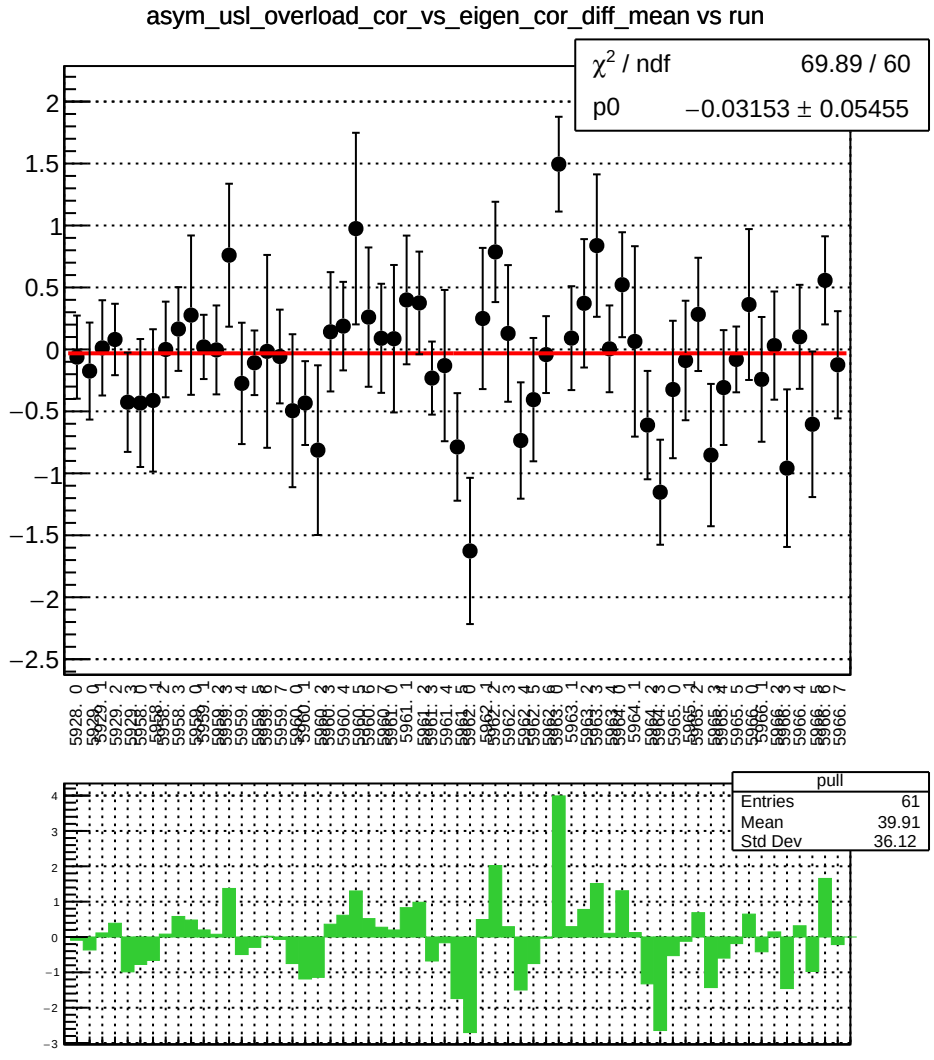

pull1D
Entries 61
Mean 0.05878
Std Dev 1.126

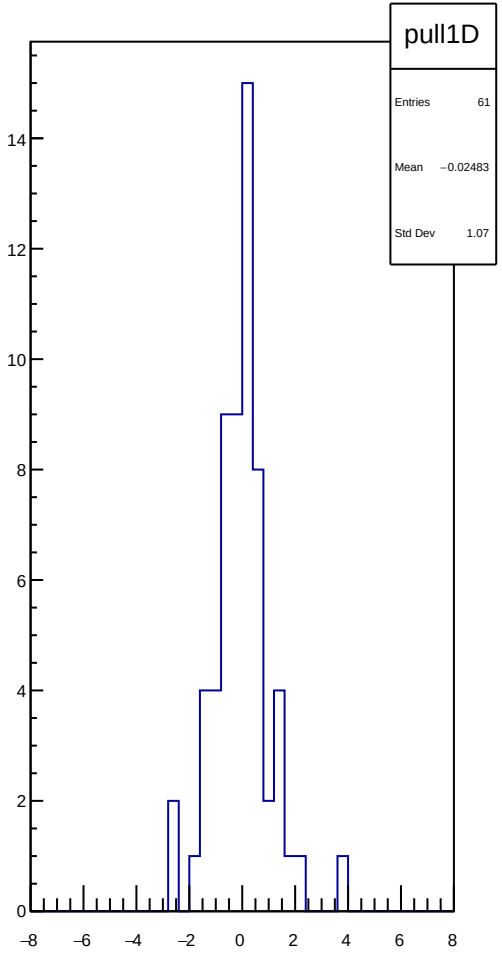

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.77e+05 / 60
p0 2.567e−11 ± 3.272e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

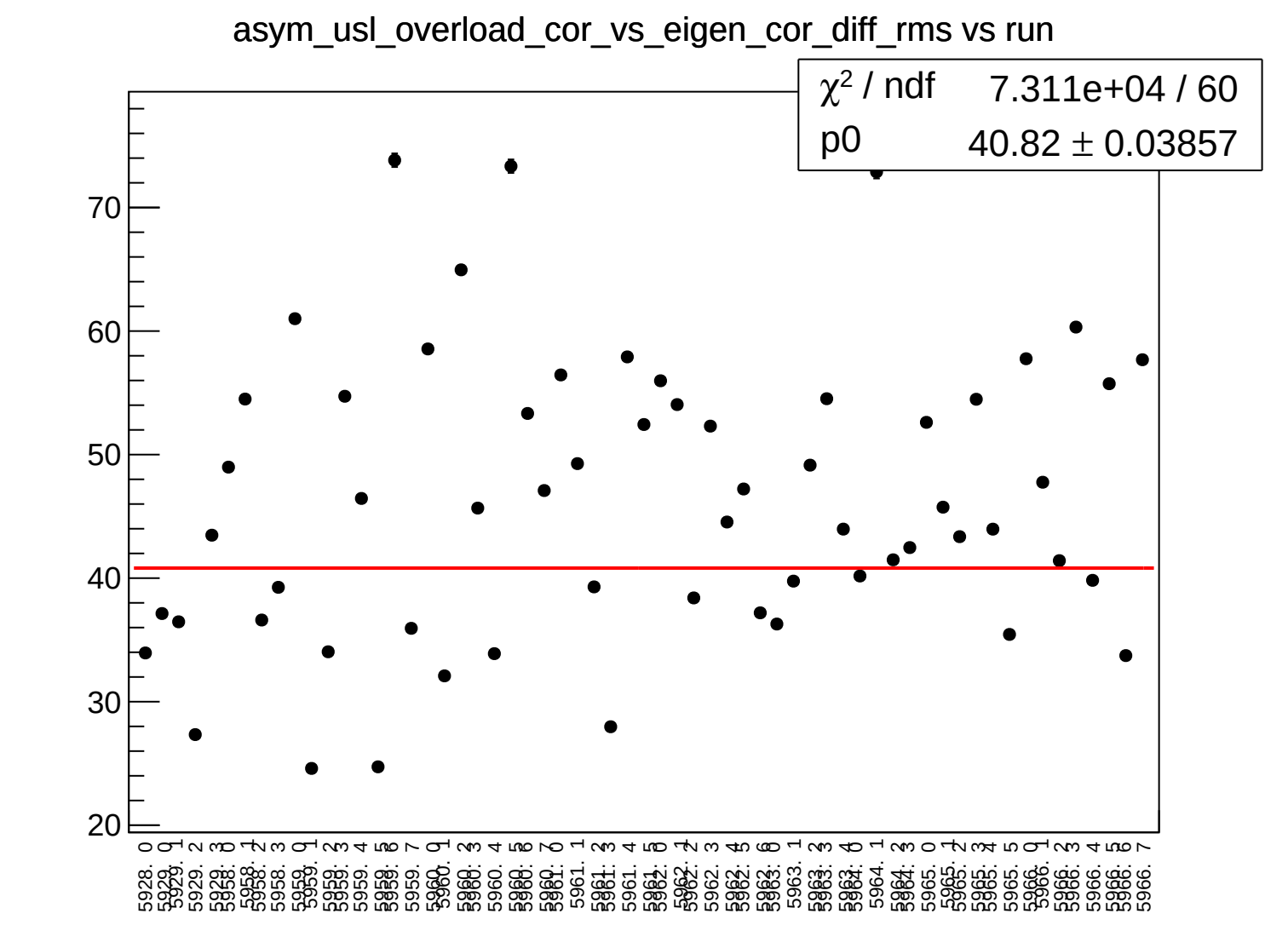

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 69.89 / 60
p0 −0.03153 ± 0.05455
pull
Entries 61
Mean 39.91
Std Dev 36.12

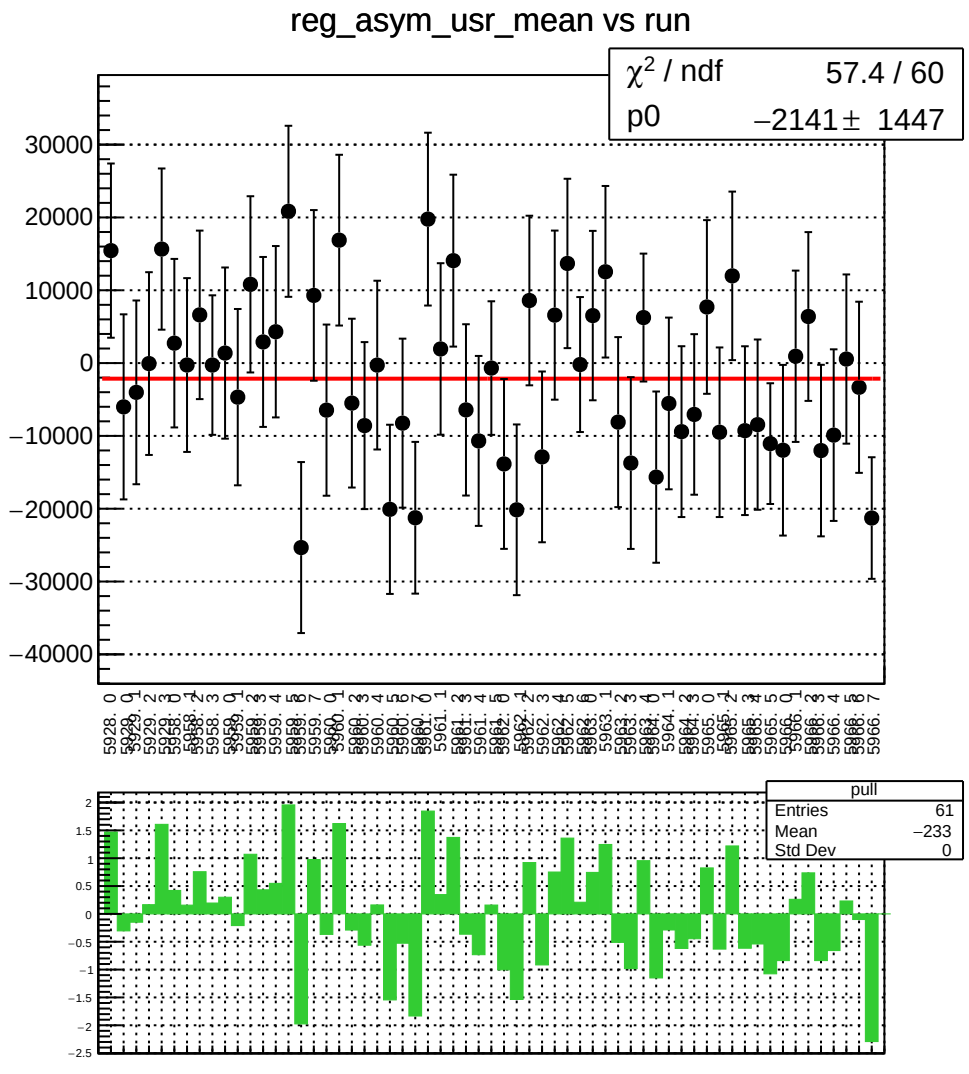

pull1D
Entries 61
Mean −0.02483
Std Dev 1.07

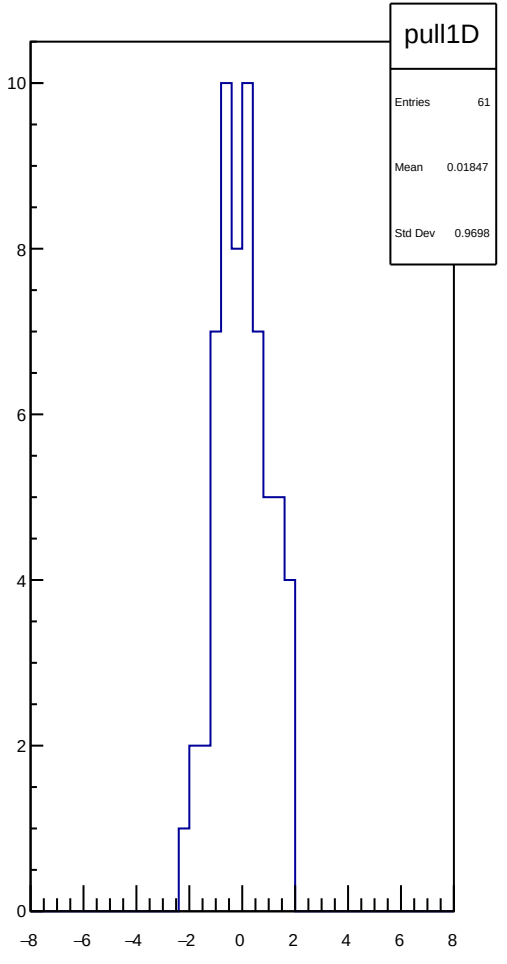

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.311e+04 / 60
p0 40.82 ± 0.03857
70
60
50
40
30
20

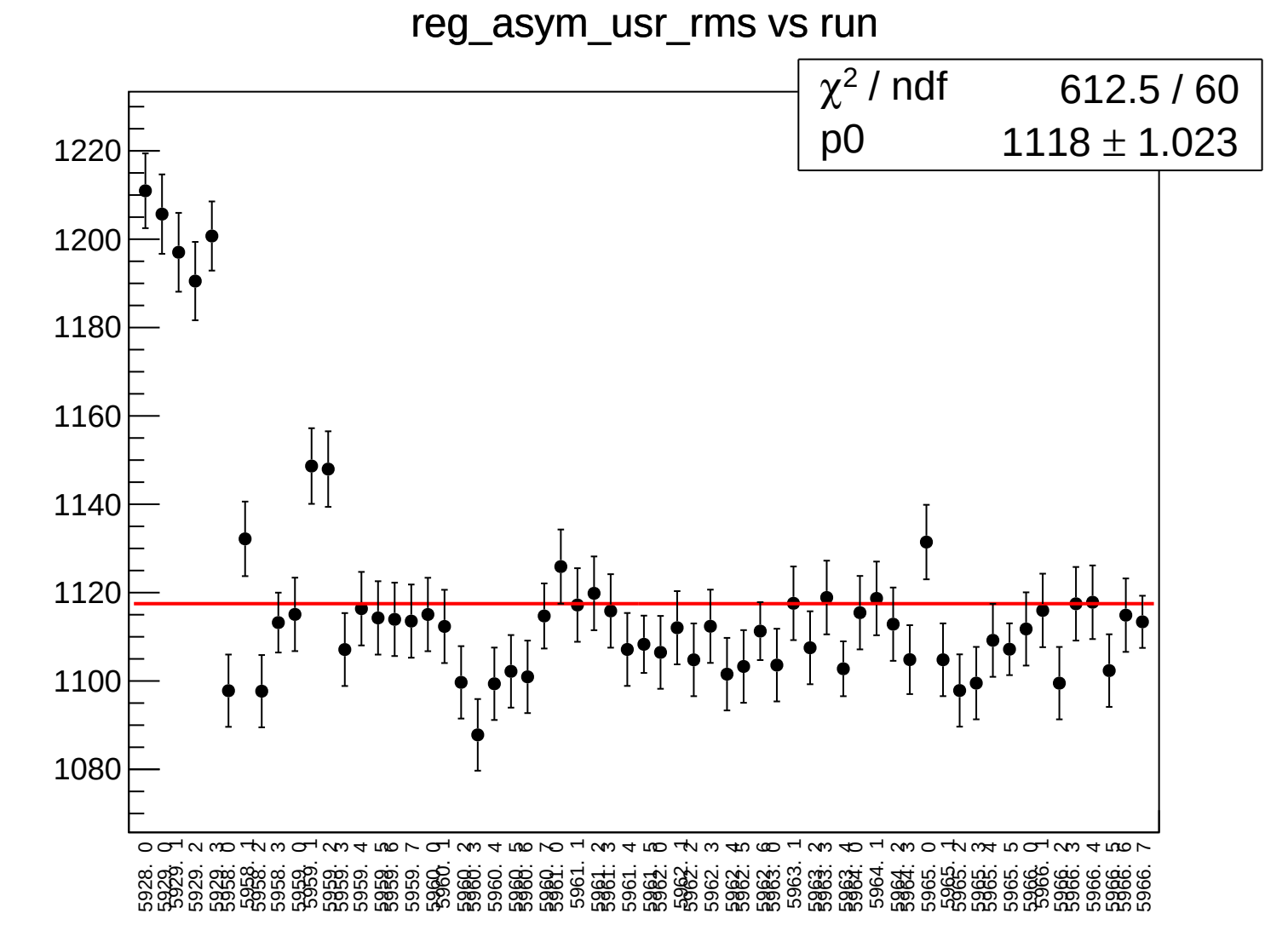

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.89 / 60
p0 −0.03153 ± 0.05455
pull
Entries 61
Mean 39.91
Std Dev 36.12

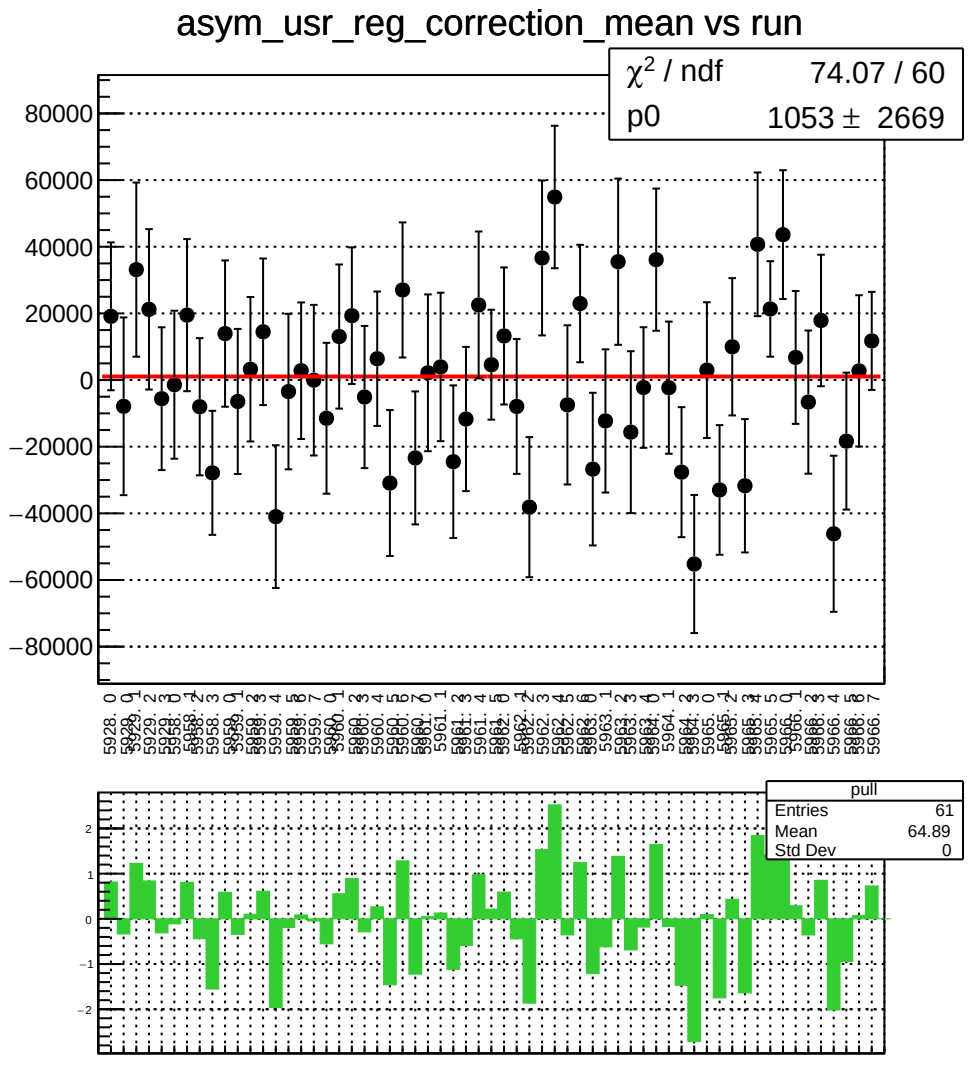

pull1D
Entries 61
Mean −0.02483
Std Dev 1.07

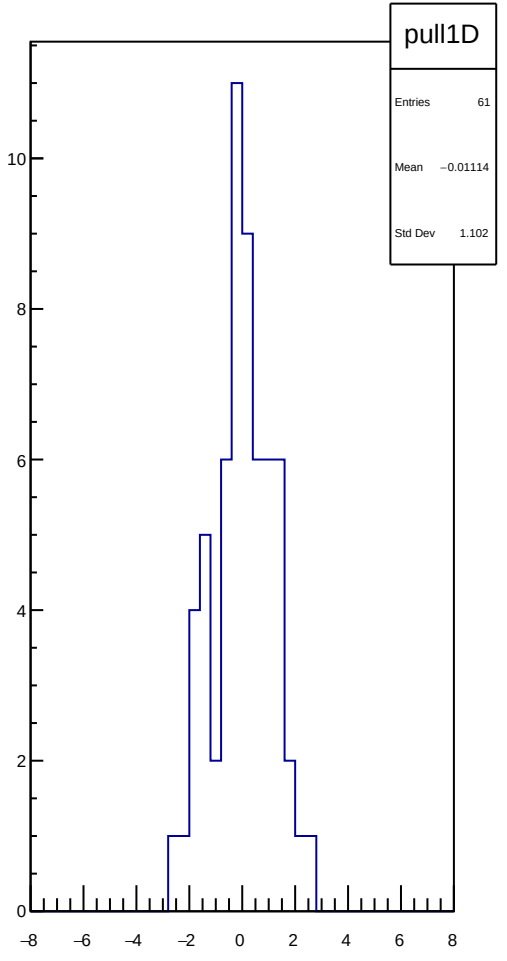

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.311e+04 / 60
p0 40.82 ± 0.03857
70
60
50
40
30
20

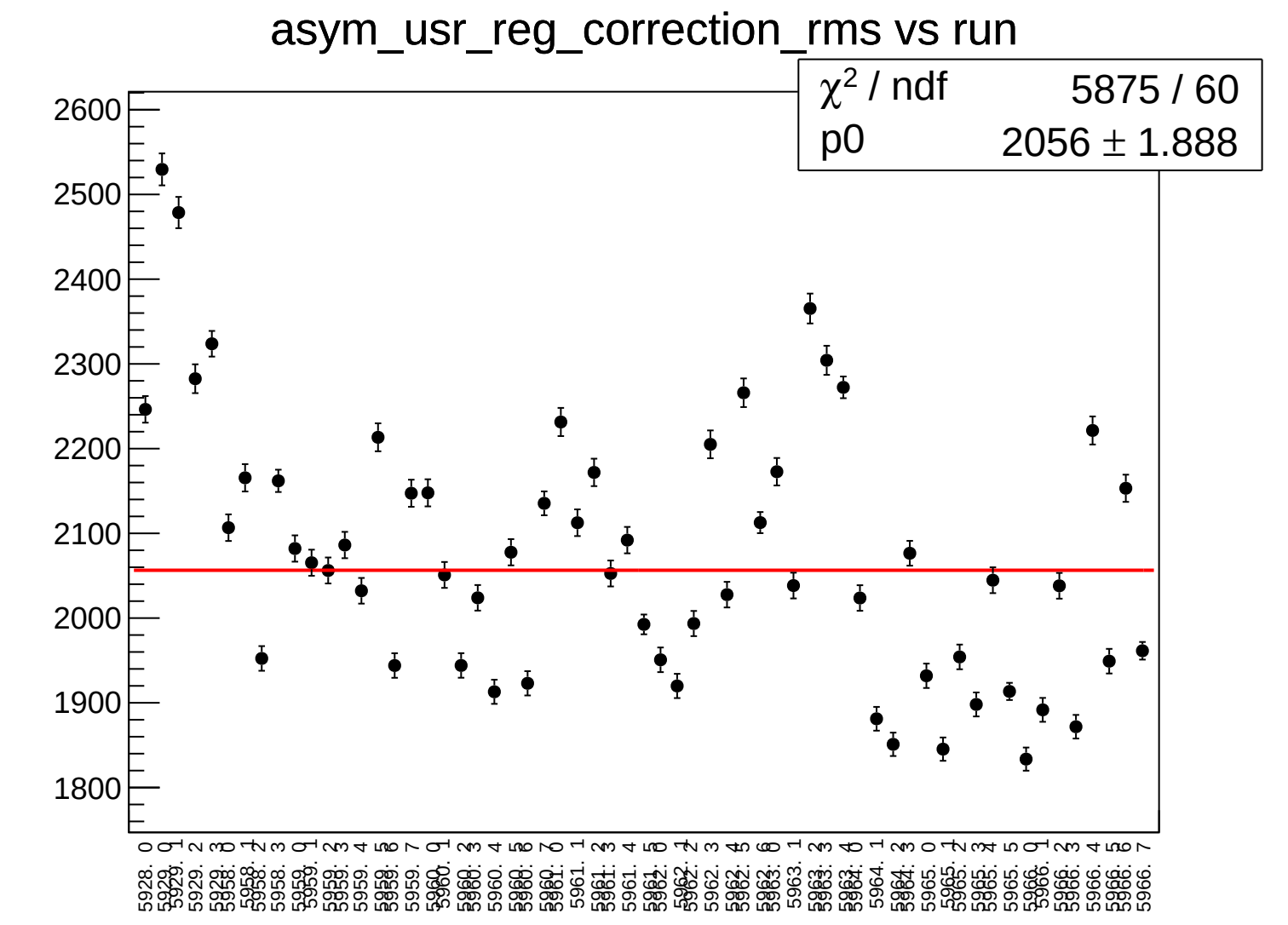

reg_asym_usr_mean vs run
χ² / ndf 57.4 / 60
p0 −2141 ± 1447
pull
Entries 61
Mean −233
Std Dev 0

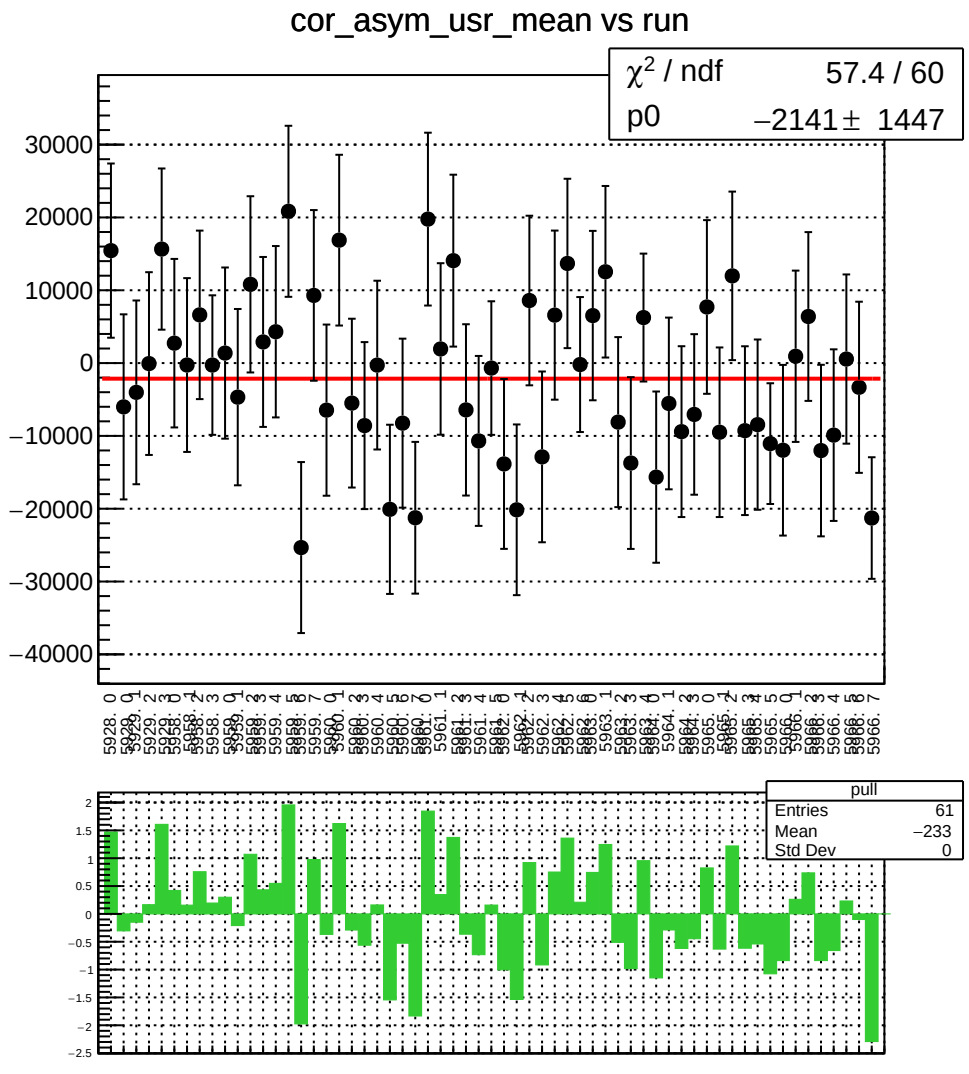

pull1D
Entries 61
Mean 0.01847
Std Dev 0.9698

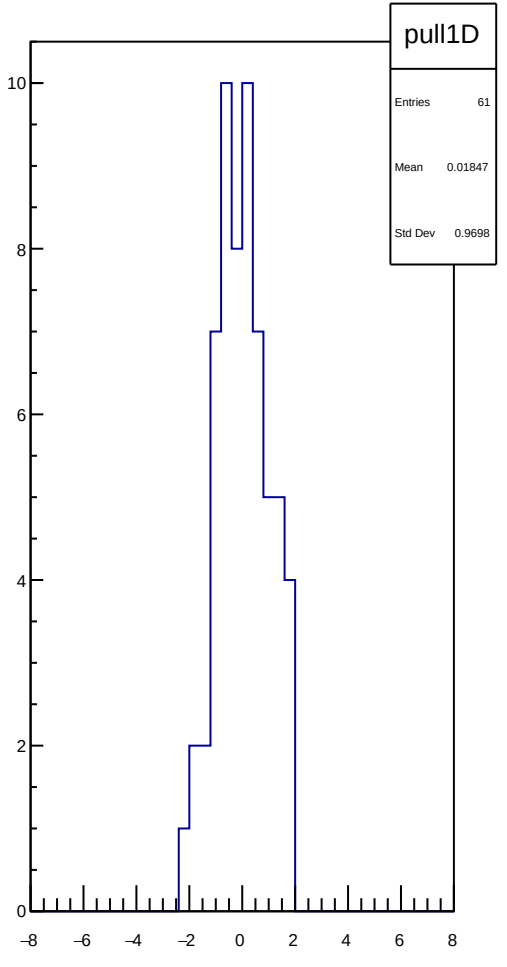

reg_asym_usr_rms vs run
χ² / ndf 612.5 / 60
p0 1118 ± 1.023
1220
1200
1180
1160
1140
1120
1100
1080

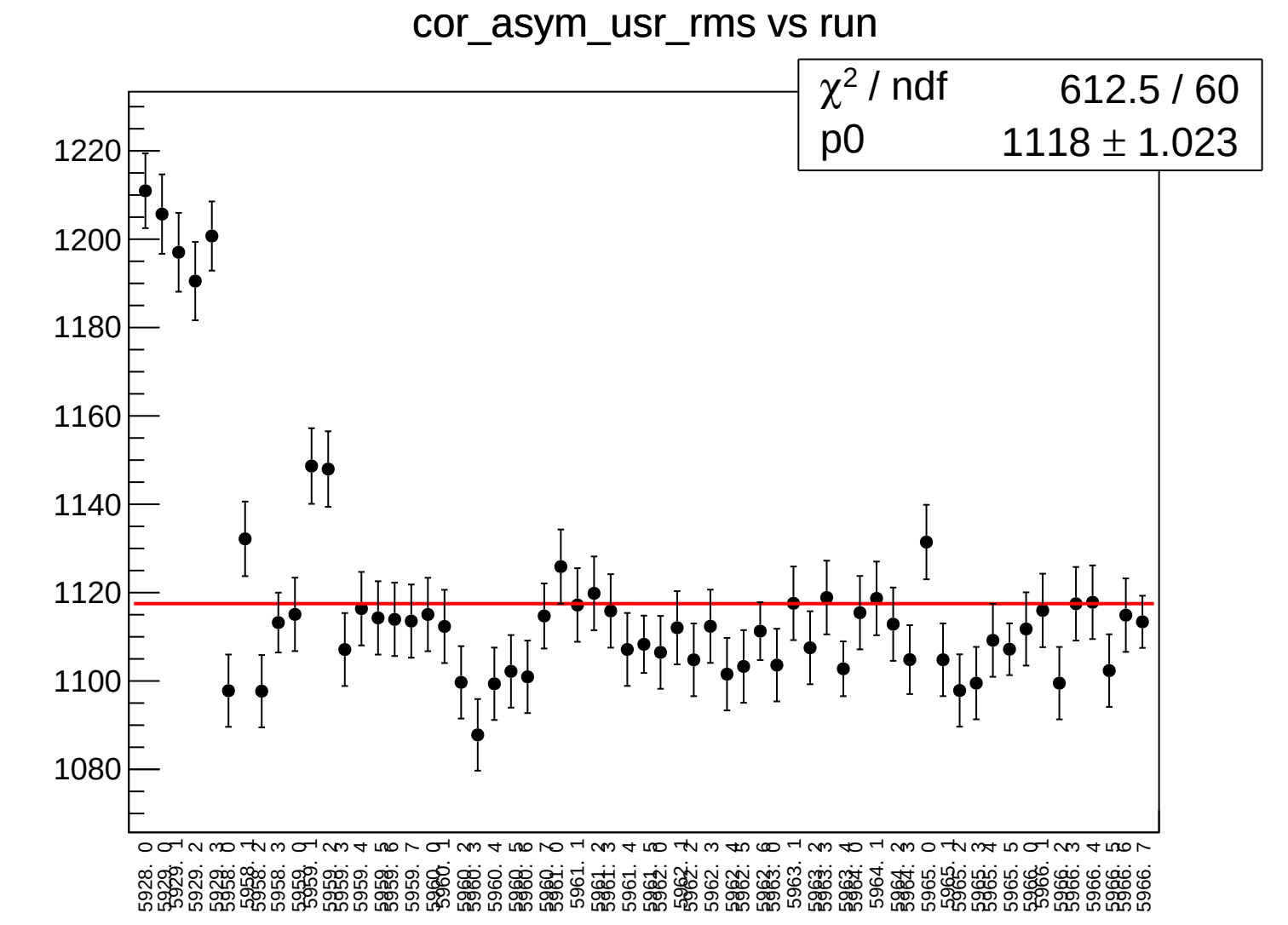

asym_usr_reg_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1053 ± 2669
pull
Entries 61
Mean 64.89
Std Dev 0

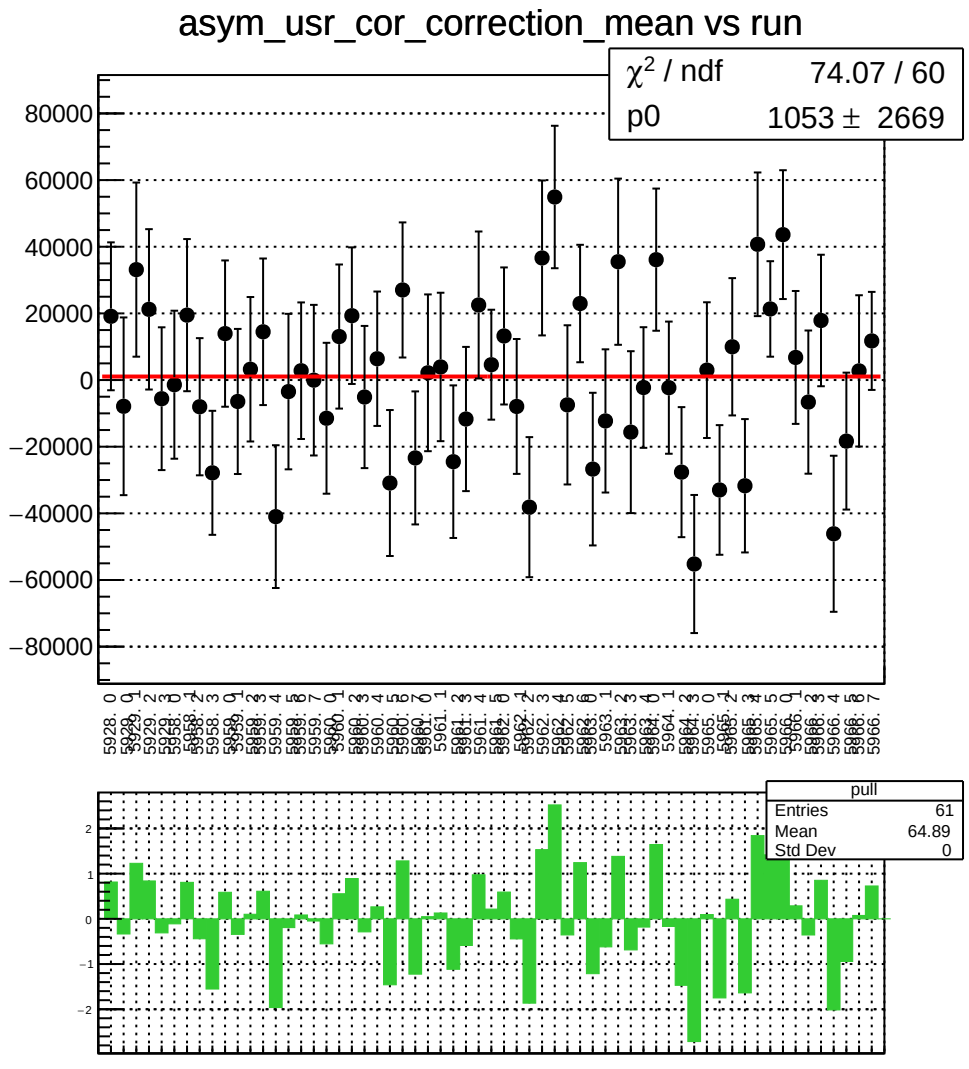

pull1D
Entries 61
Mean −0.01114
Std Dev 1.102

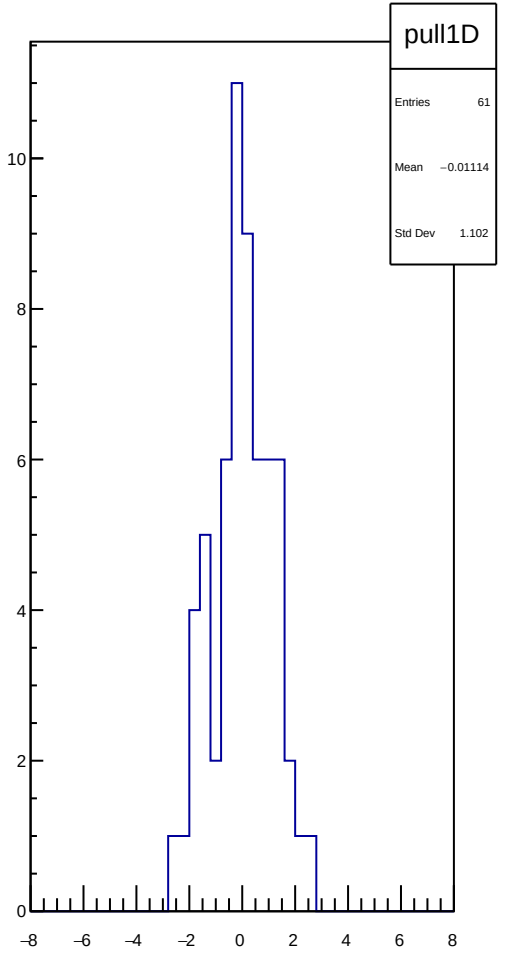

asym_usr_reg_correction_rms vs run
χ² / ndf 5875 / 60
p0 2056 ± 1.888
2600
2500
2400
2300
2200
2100
2000
1900
1800

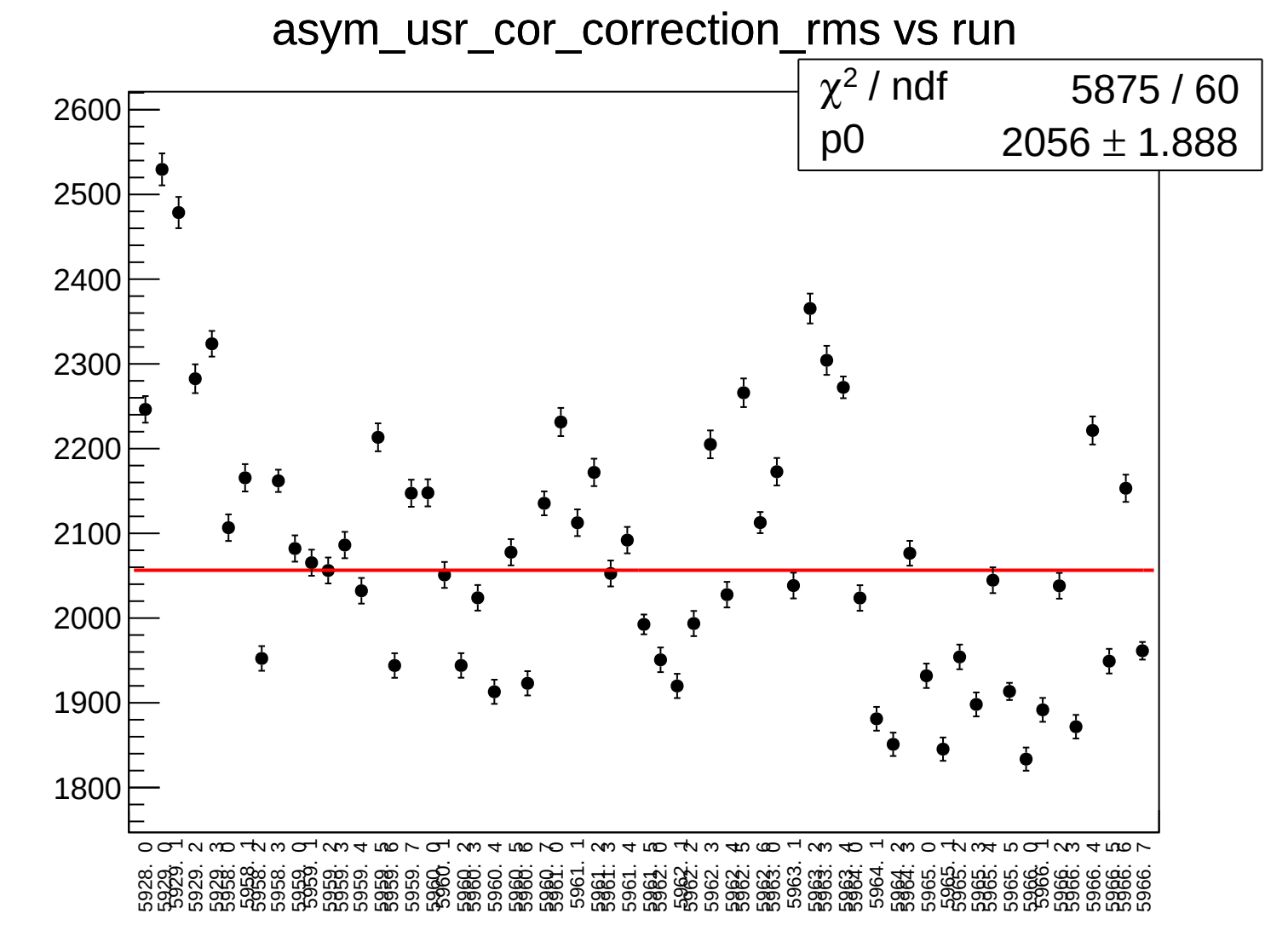

cor_asym_usr_mean vs run
χ² / ndf 57.4 / 60
p0 −2141 ± 1447
pull
Entries 61
Mean −233
Std Dev 0

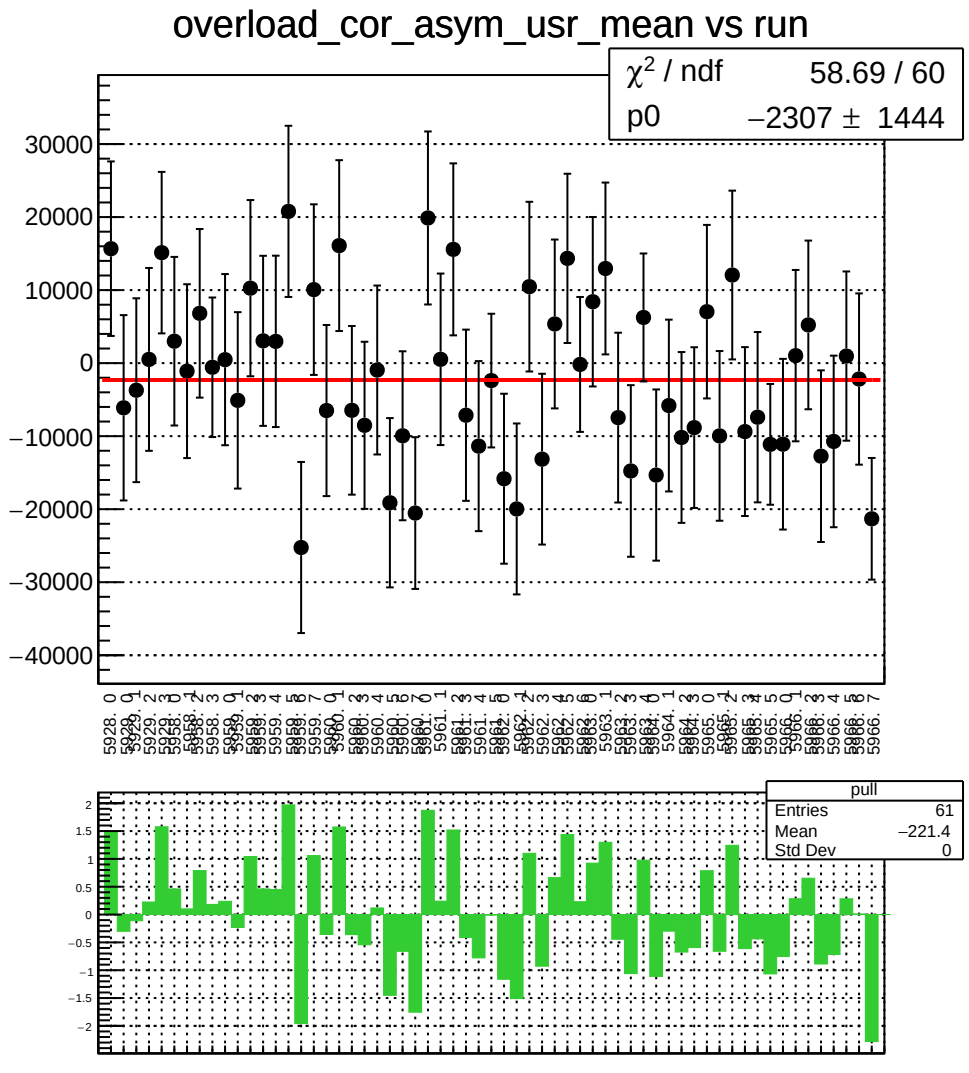

pull1D
Entries 61
Mean 0.01847
Std Dev 0.9698

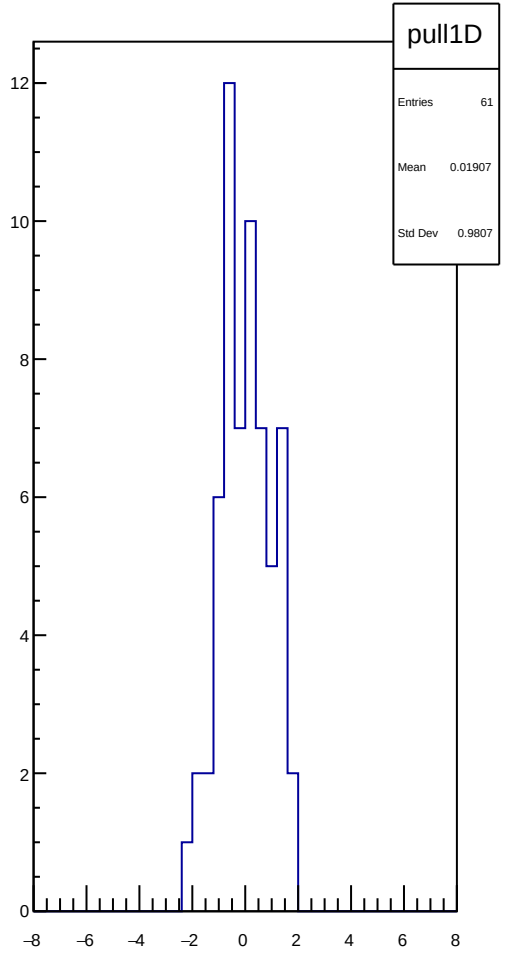

cor_asym_usr_rms vs run
χ² / ndf 612.5 / 60
p0 1118 ± 1.023
1220
1200
1180
1160
1140
1120
1100
1080

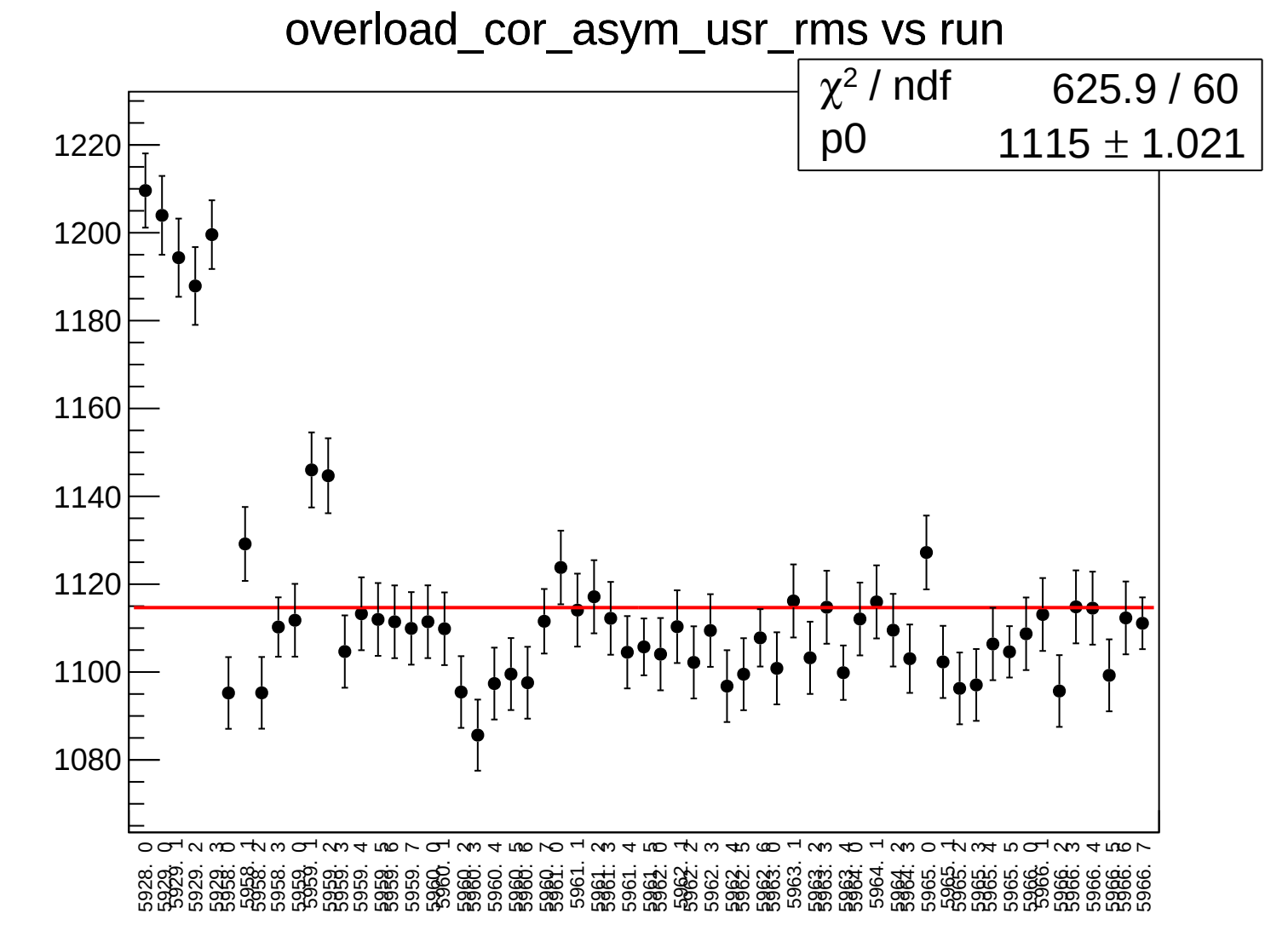

asym_usr_cor_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1053 ± 2669
pull
Entries 61
Mean 64.89
Std Dev 0

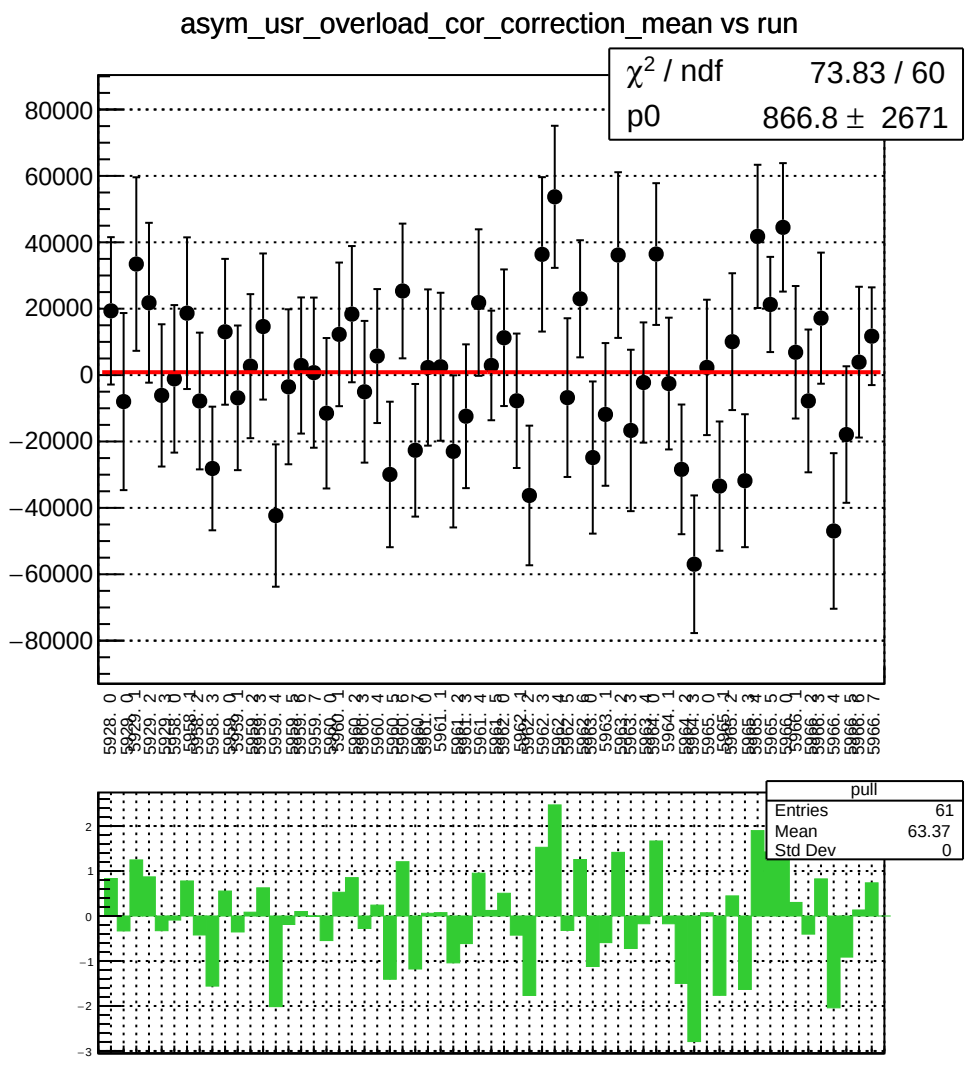

pull1D
Entries 61
Mean −0.01114
Std Dev 1.102

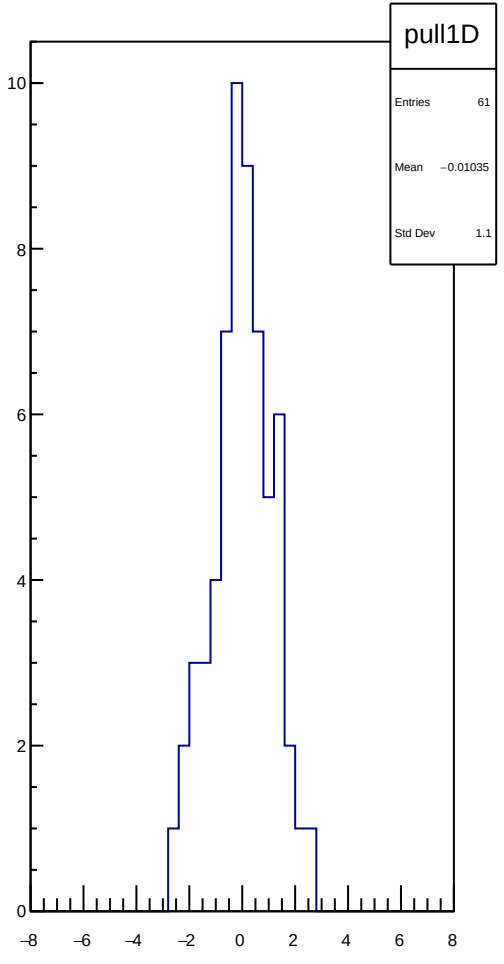

asym_usr_cor_correction_rms vs run
χ² / ndf 5875 / 60
p0 2056 ± 1.888
2600
2500
2400
2300
2200
2100
2000
1900
1800

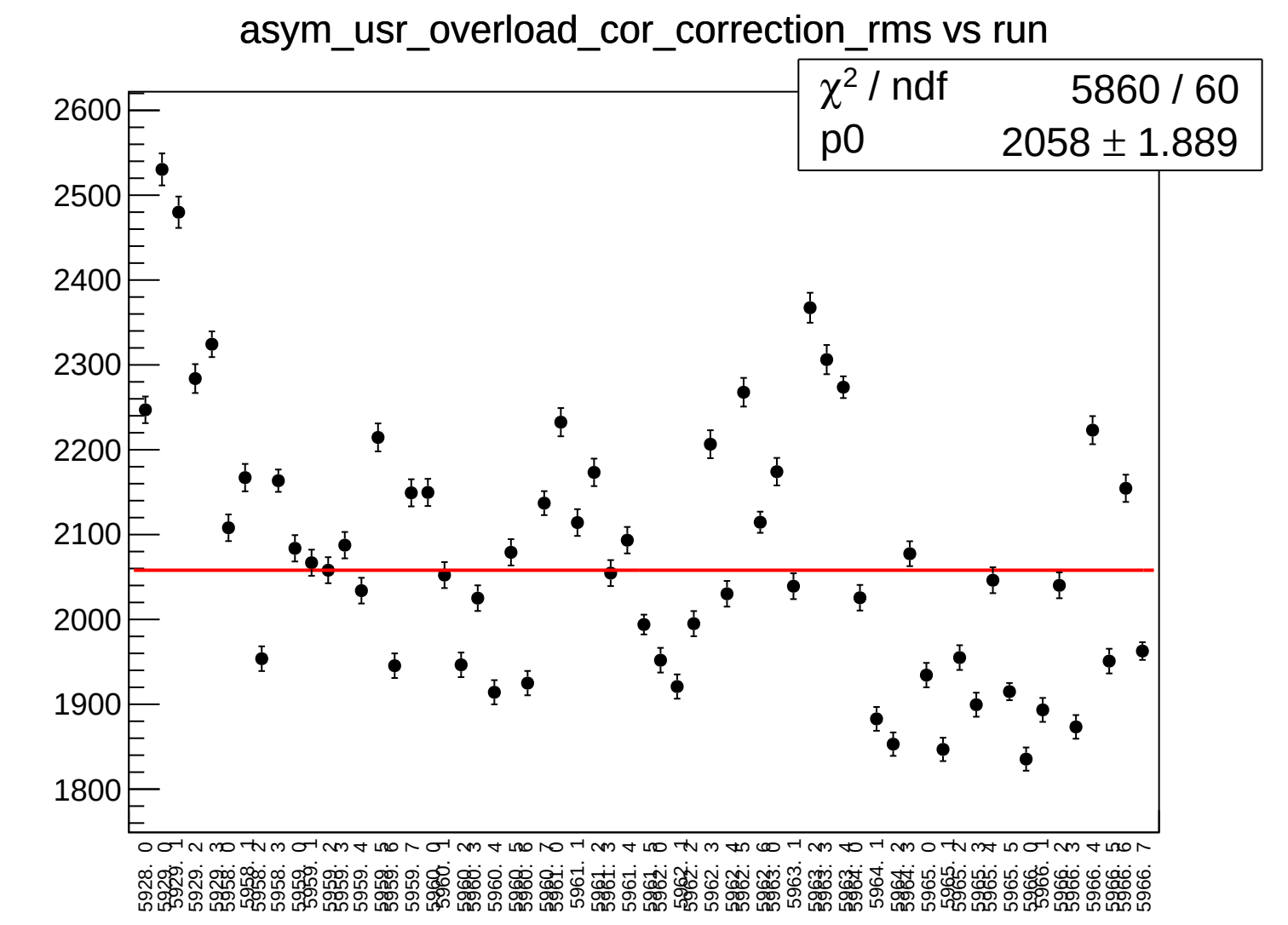

overload_cor_asym_usr_mean vs run
χ² / ndf 58.69 / 60
p0 −2307 ± 1444
pull
Entries 61
Mean −221.4
Std Dev 0

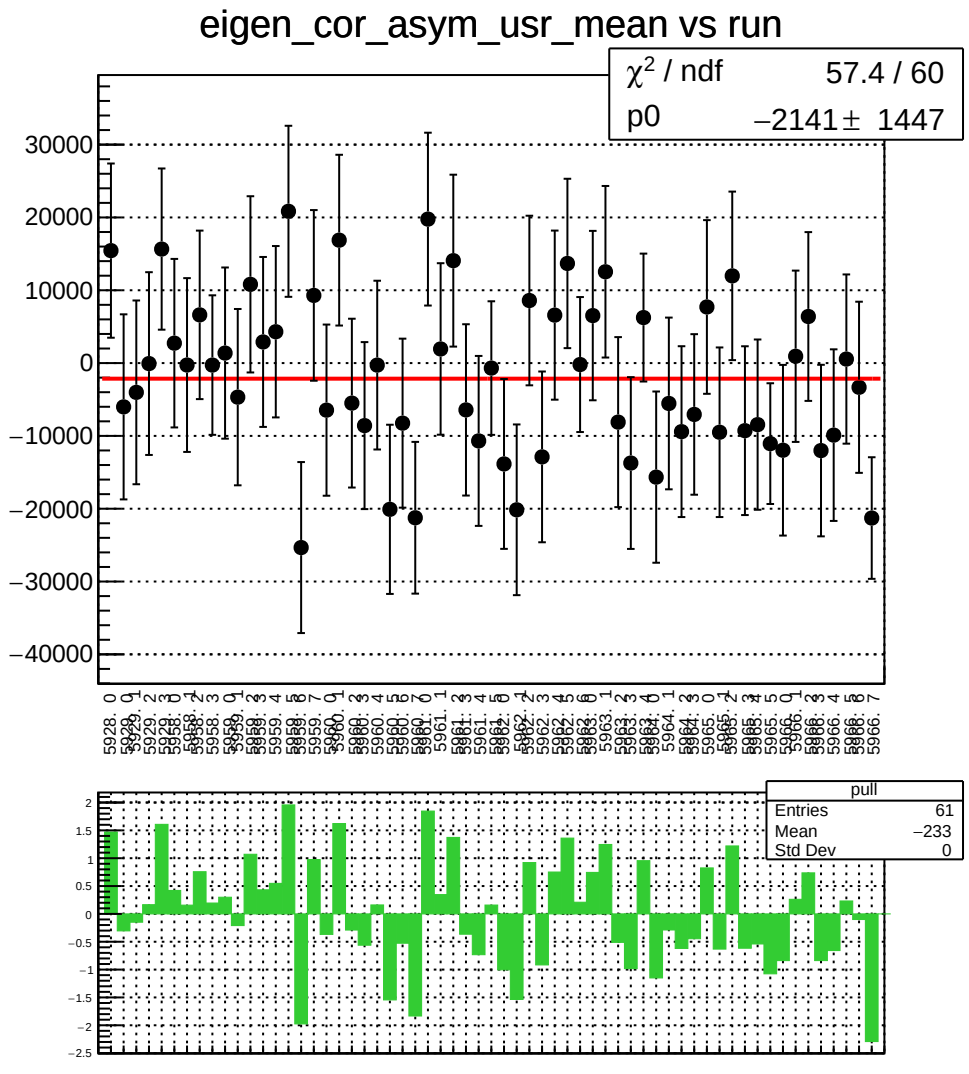

pull1D
Entries 61
Mean 0.01907
Std Dev 0.9807

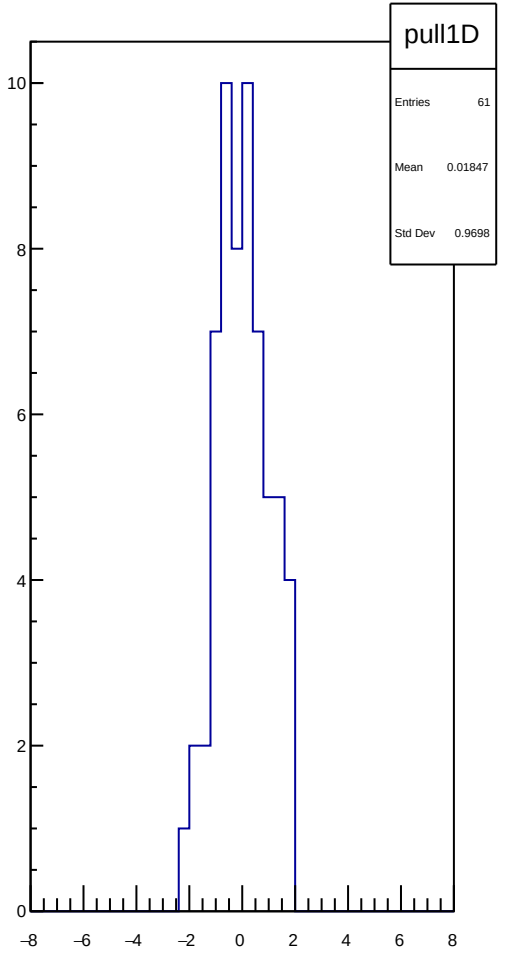

overload_cor_asym_usr_rms vs run
χ² / ndf 625.9 / 60
p0 1115 ± 1.021
1220
1200
1180
1160
1140
1120
1100
1080

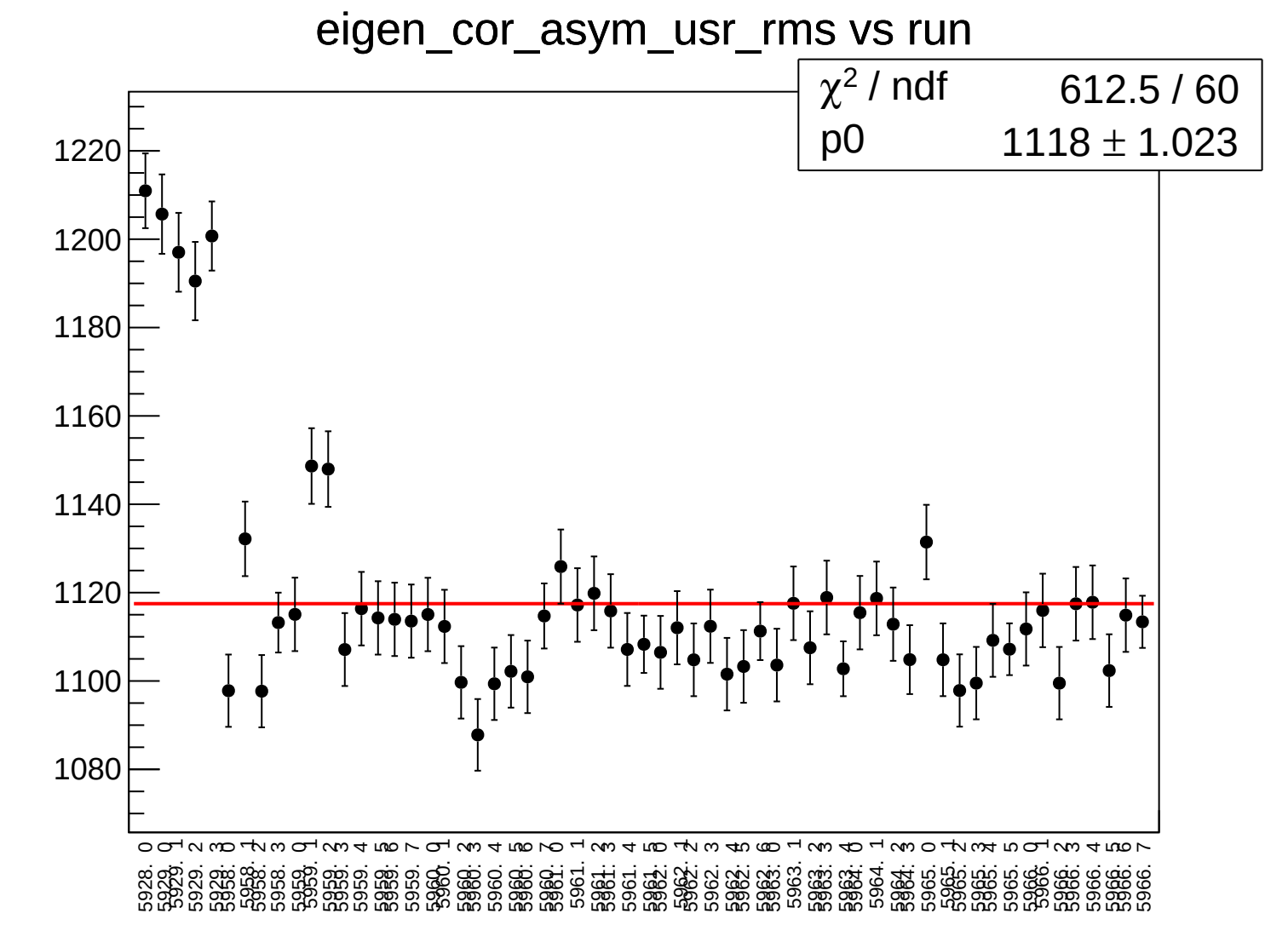

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 73.83 / 60
p0 866.8 ± 2671
pull
Entries 61
Mean 63.37
Std Dev 0

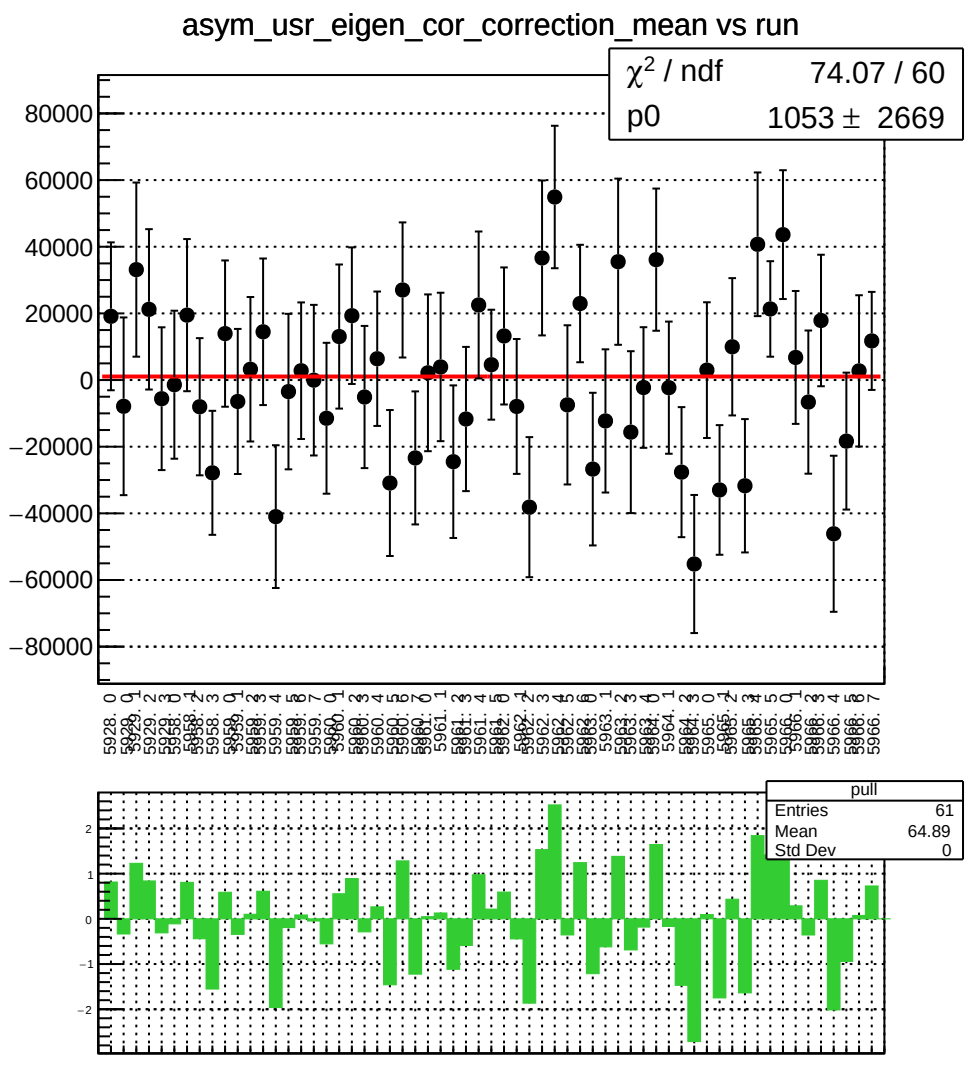

pull1D
Entries 61
Mean −0.01035
Std Dev 1.1

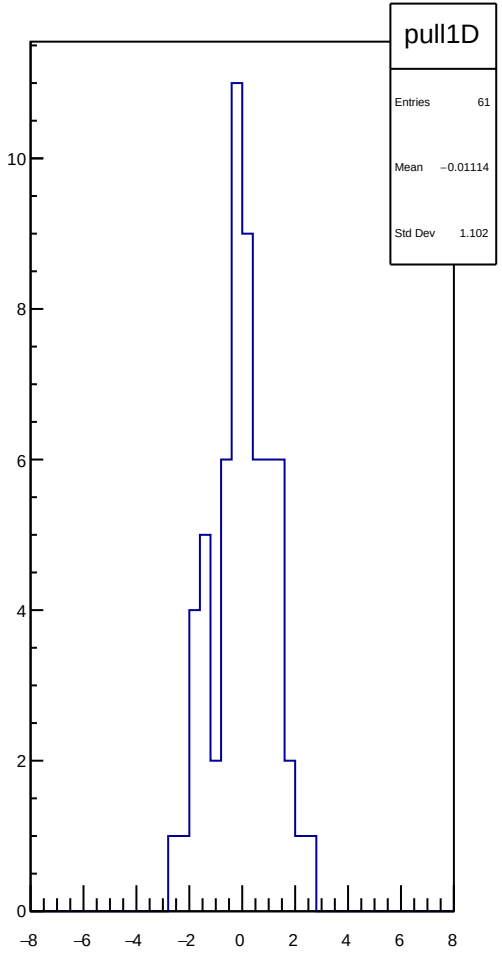

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 5860 / 60
p0 2058 ± 1.889
2600
2500
2400
2300
2200
2100
2000
1900
1800

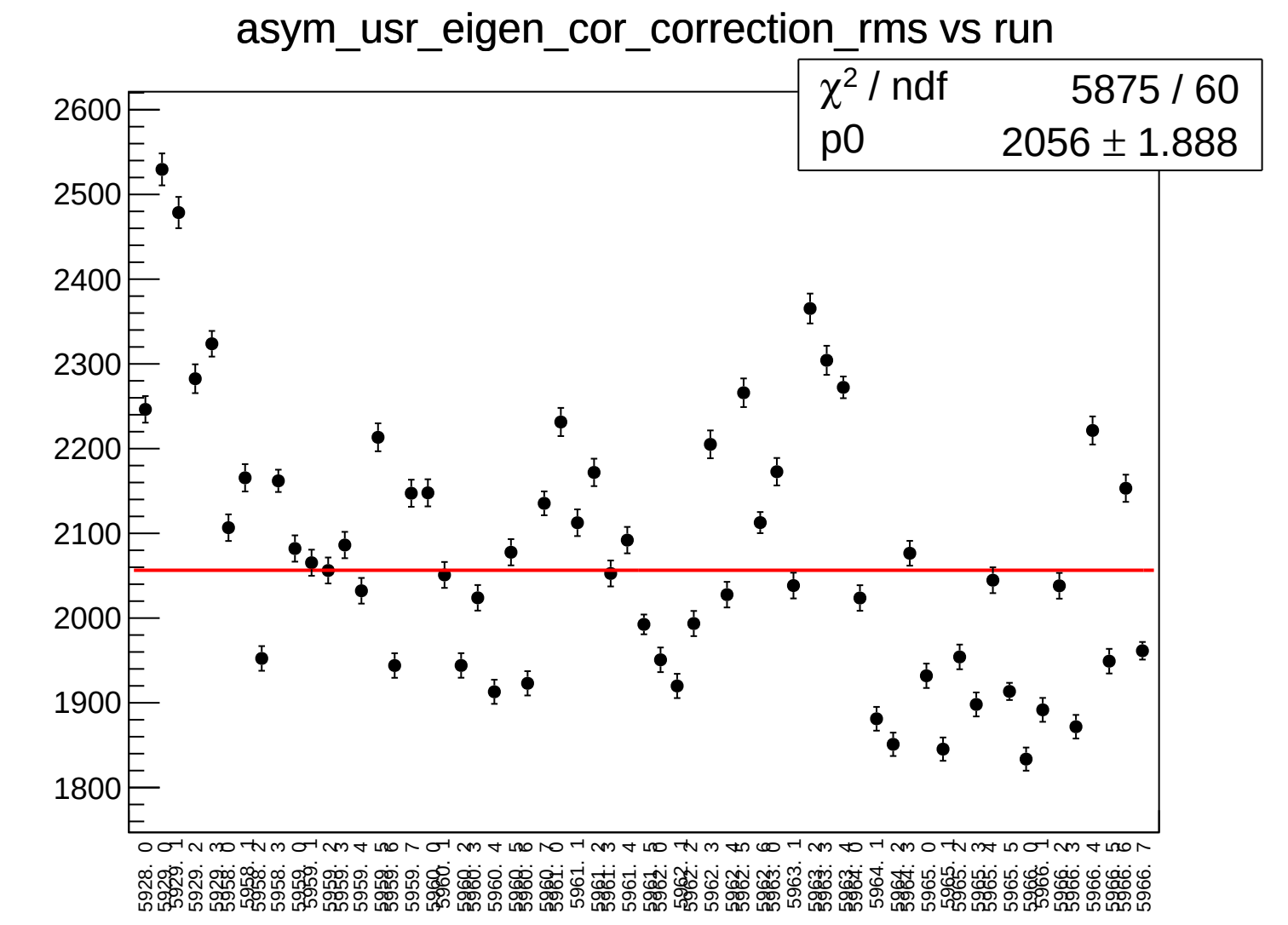

eigen_cor_asym_usr_mean vs run
χ² / ndf 57.4 / 60
p0 −2141 ± 1447
pull
Entries 61
Mean −233
Std Dev 0

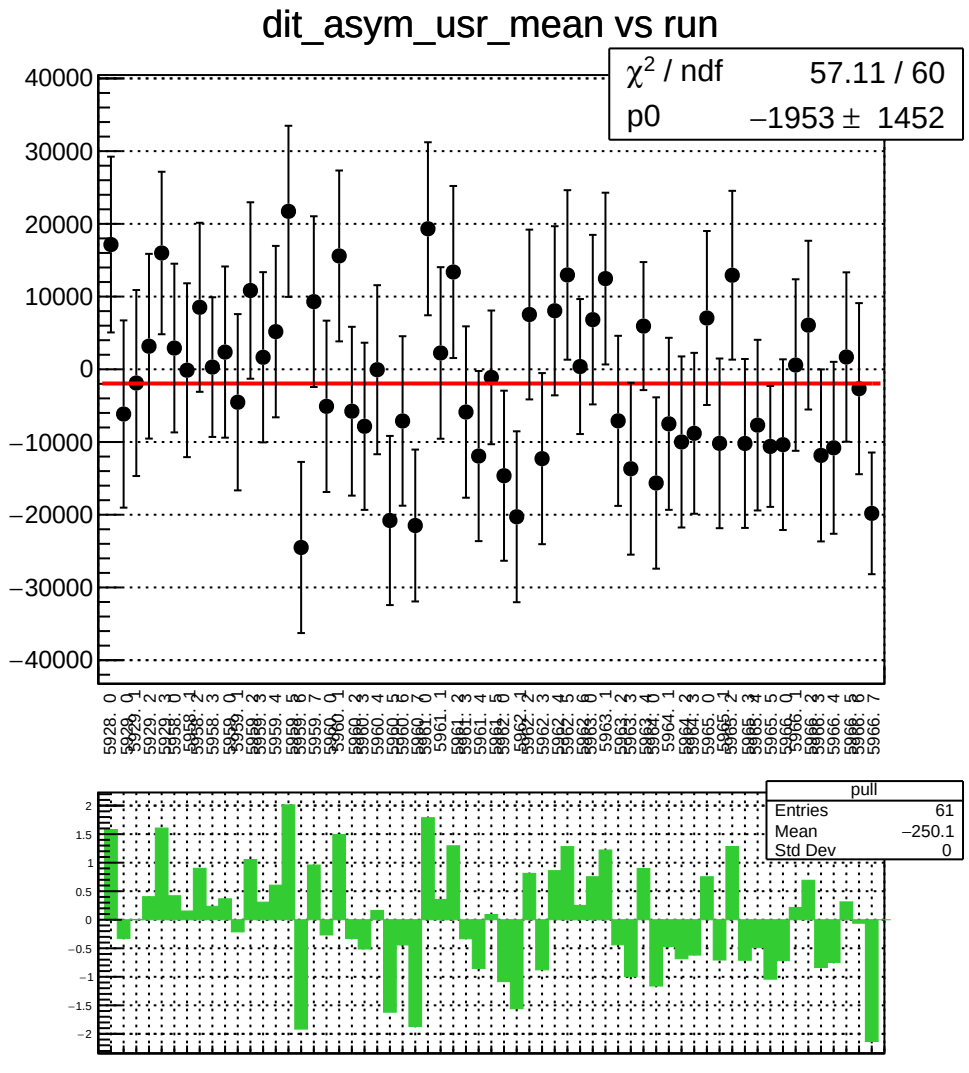

pull1D
Entries 61
Mean 0.01847
Std Dev 0.9698

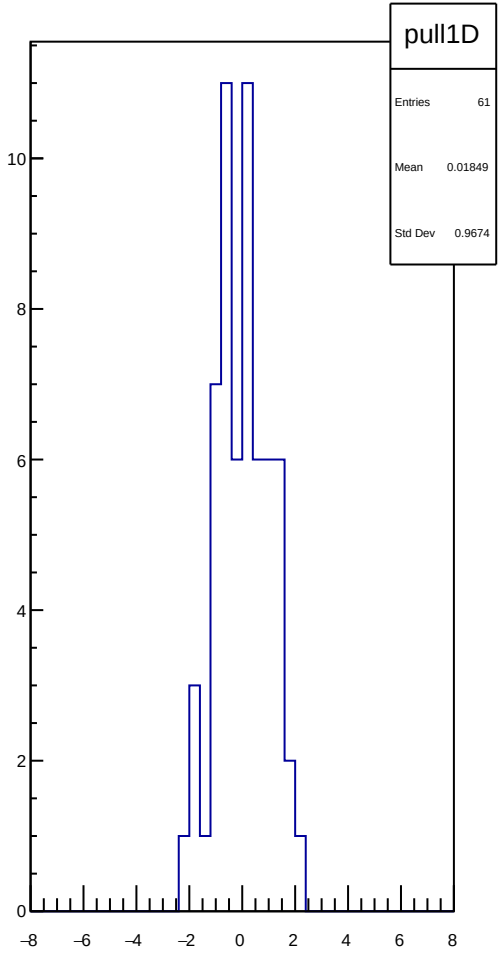

eigen_cor_asym_usr_rms vs run
χ² / ndf 612.5 / 60
p0 1118 ± 1.023
1220
1200
1180
1160
1140
1120
1100
1080

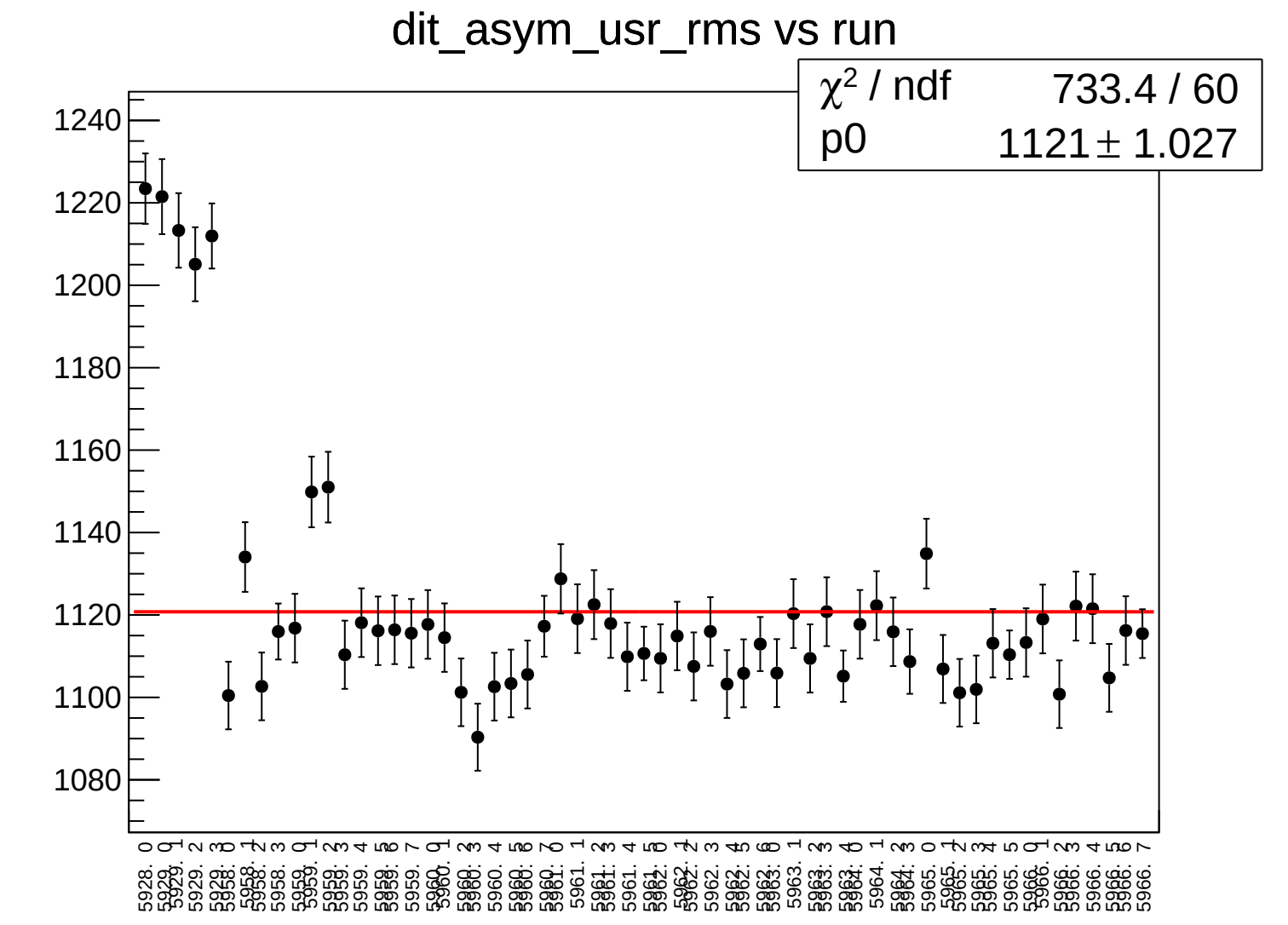

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1053 ± 2669
pull
Entries 61
Mean 64.89
Std Dev 0

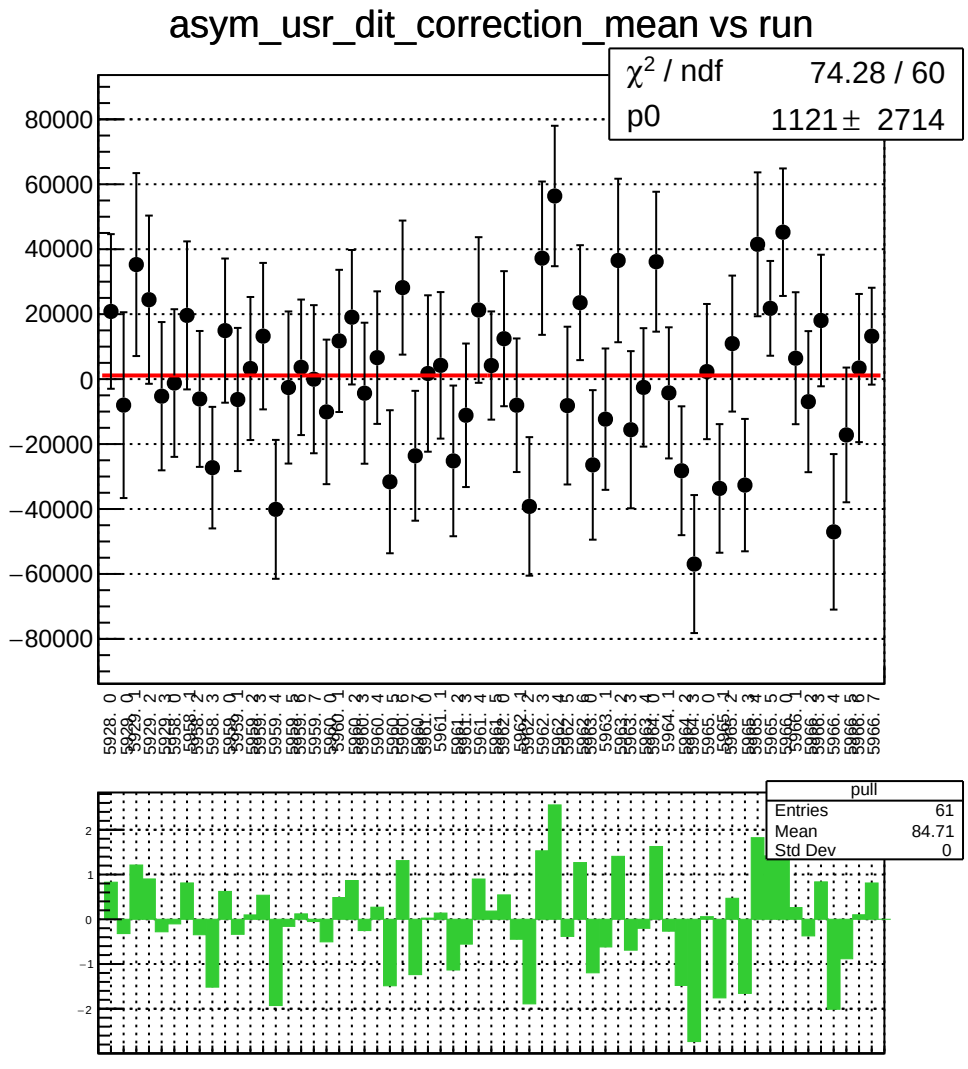

pull1D
Entries 61
Mean −0.01114
Std Dev 1.102

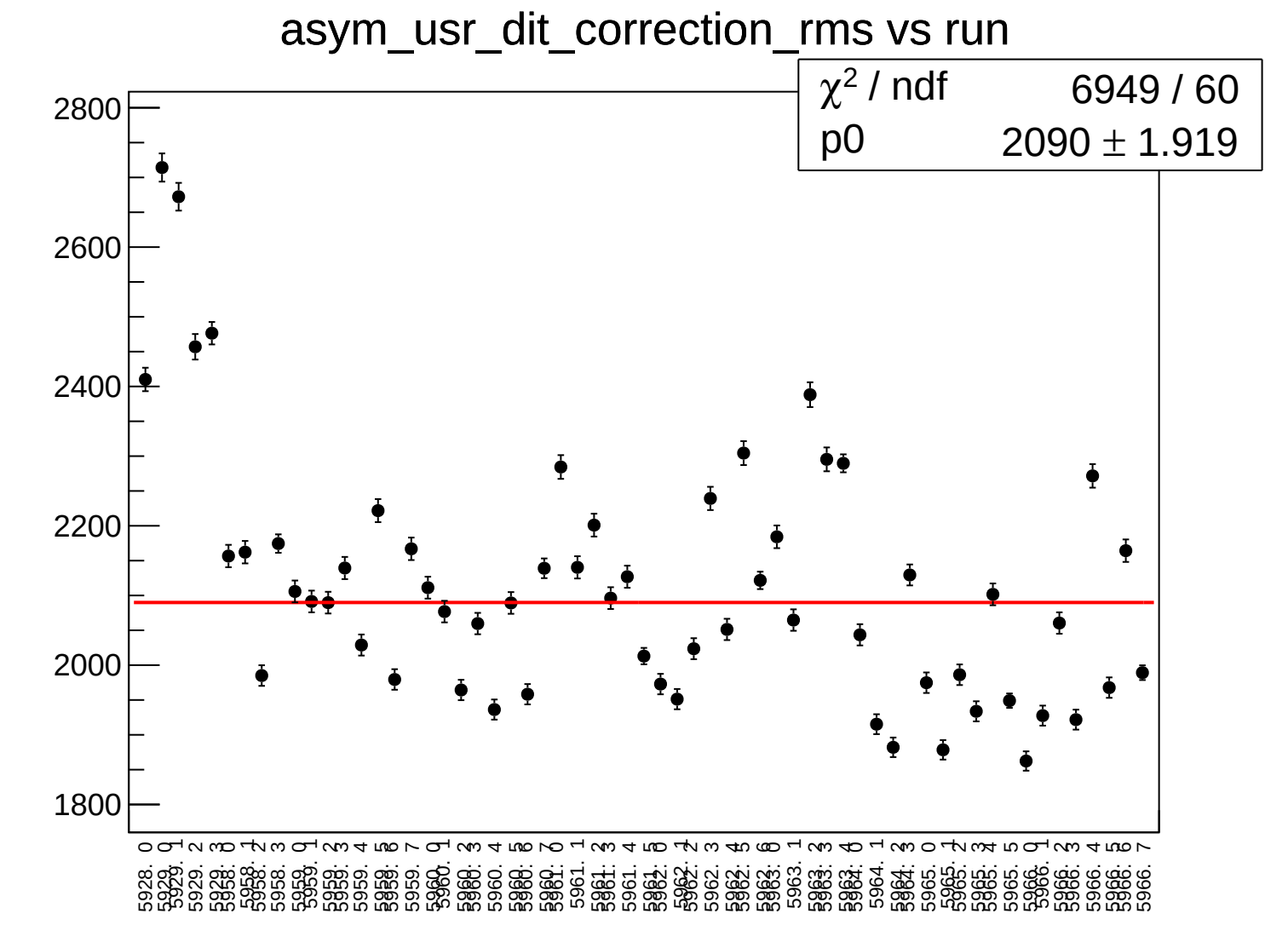

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 5875 / 60
p0 2056 ± 1.888
2600
2500
2400
2300
2200
2100
2000
1900
1800

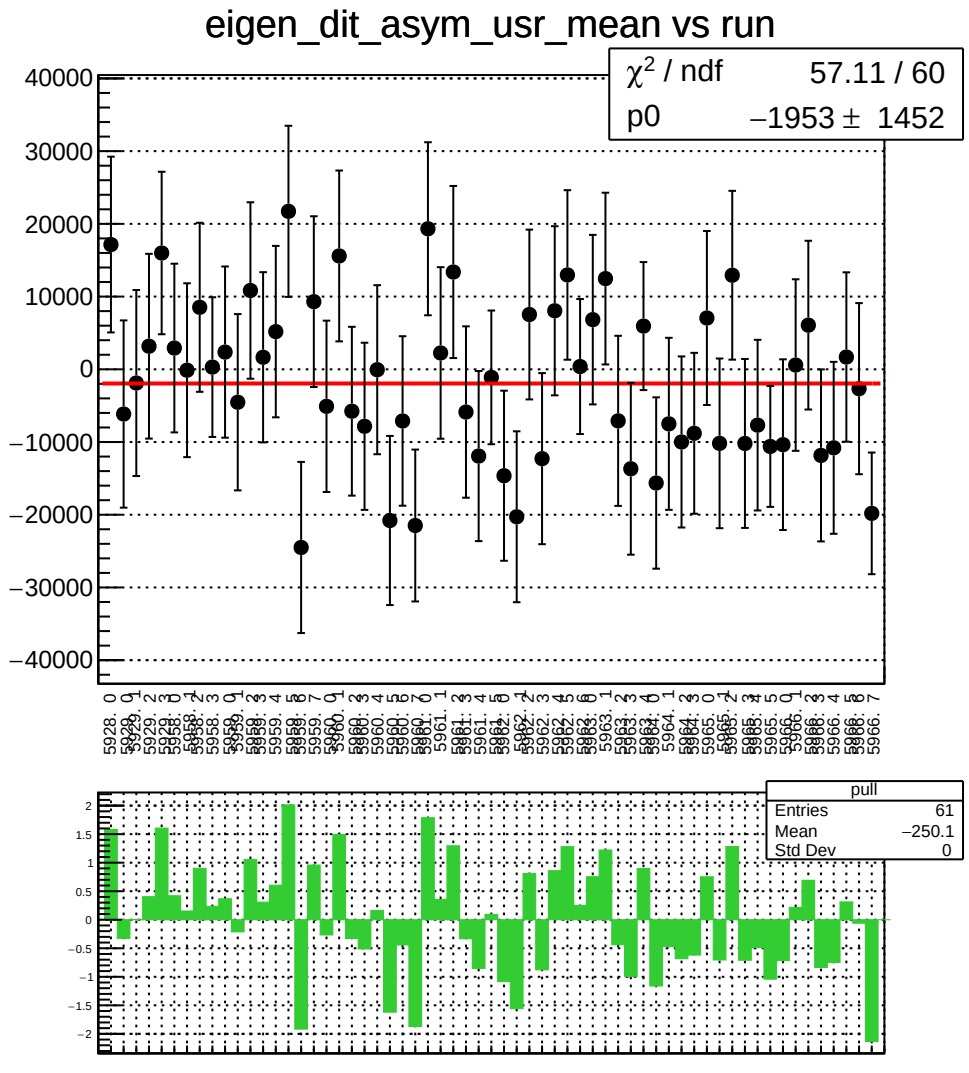

dit_asym_usr_mean vs run
χ² / ndf 57.11 / 60
p0 −1953 ± 1452
pull
Entries 61
Mean −250.1
Std Dev 0

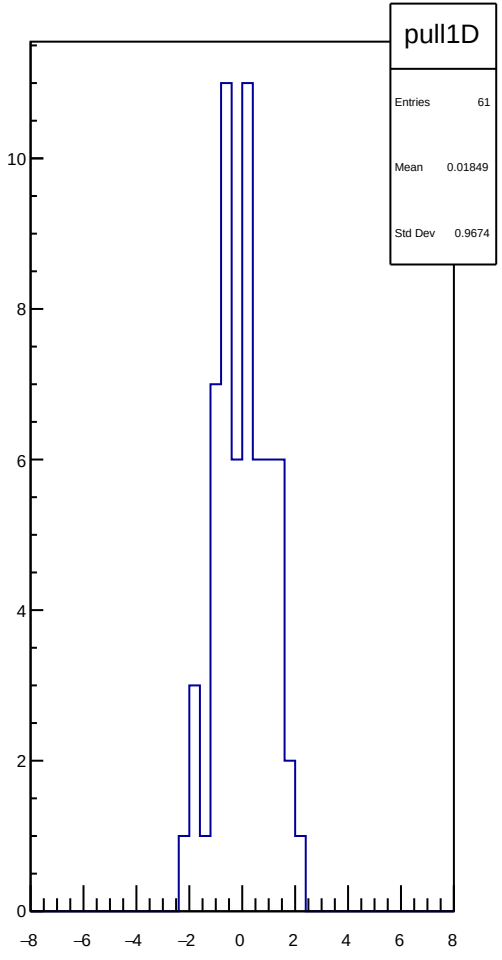

pull1D
Entries 61
Mean 0.01849
Std Dev 0.9674

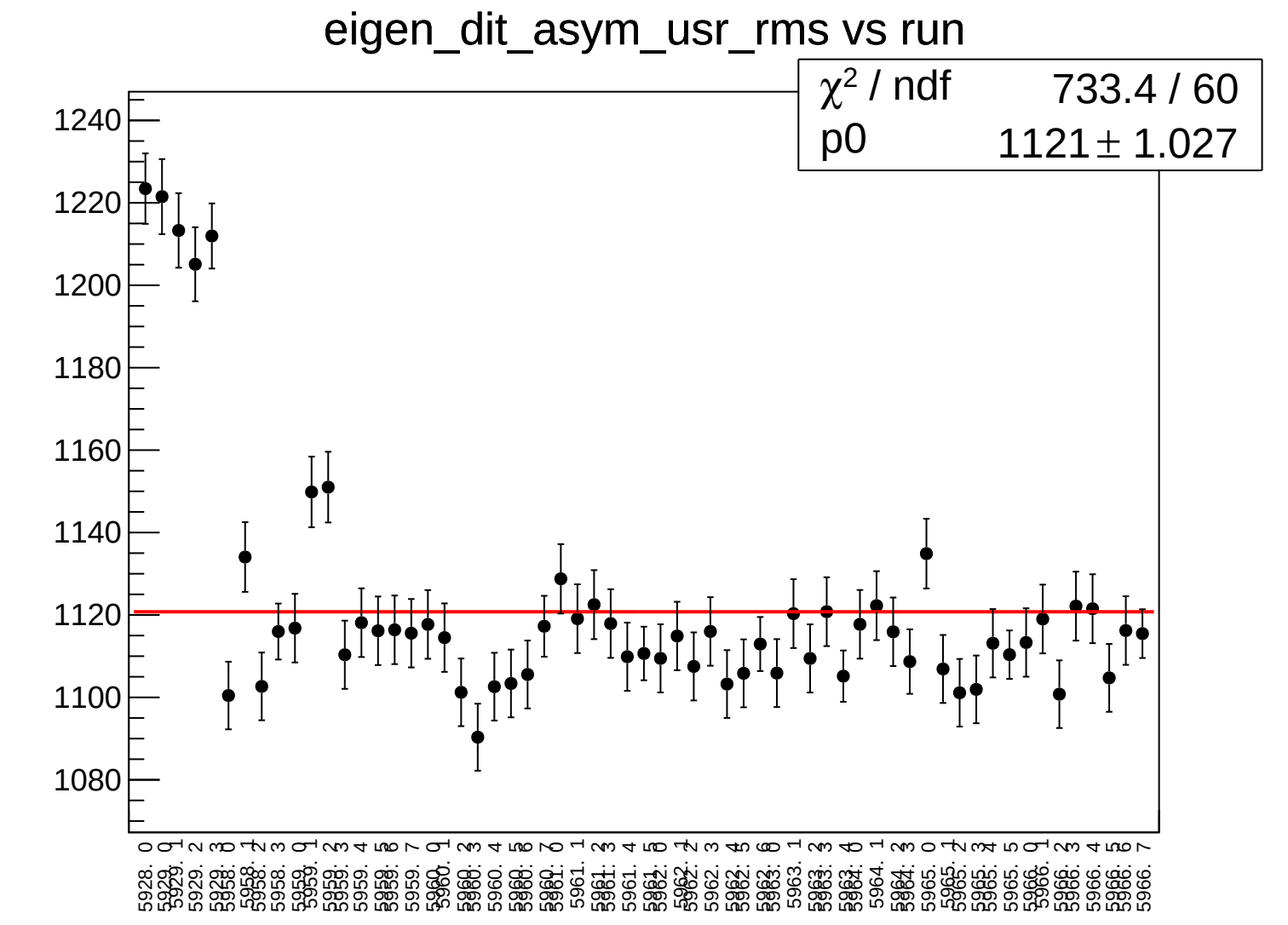

dit_asym_usr_rms vs run
χ² / ndf 733.4 / 60
p0 1121 ± 1.027
1240
1220
1200
1180
1160
1140
1120
1100
1080

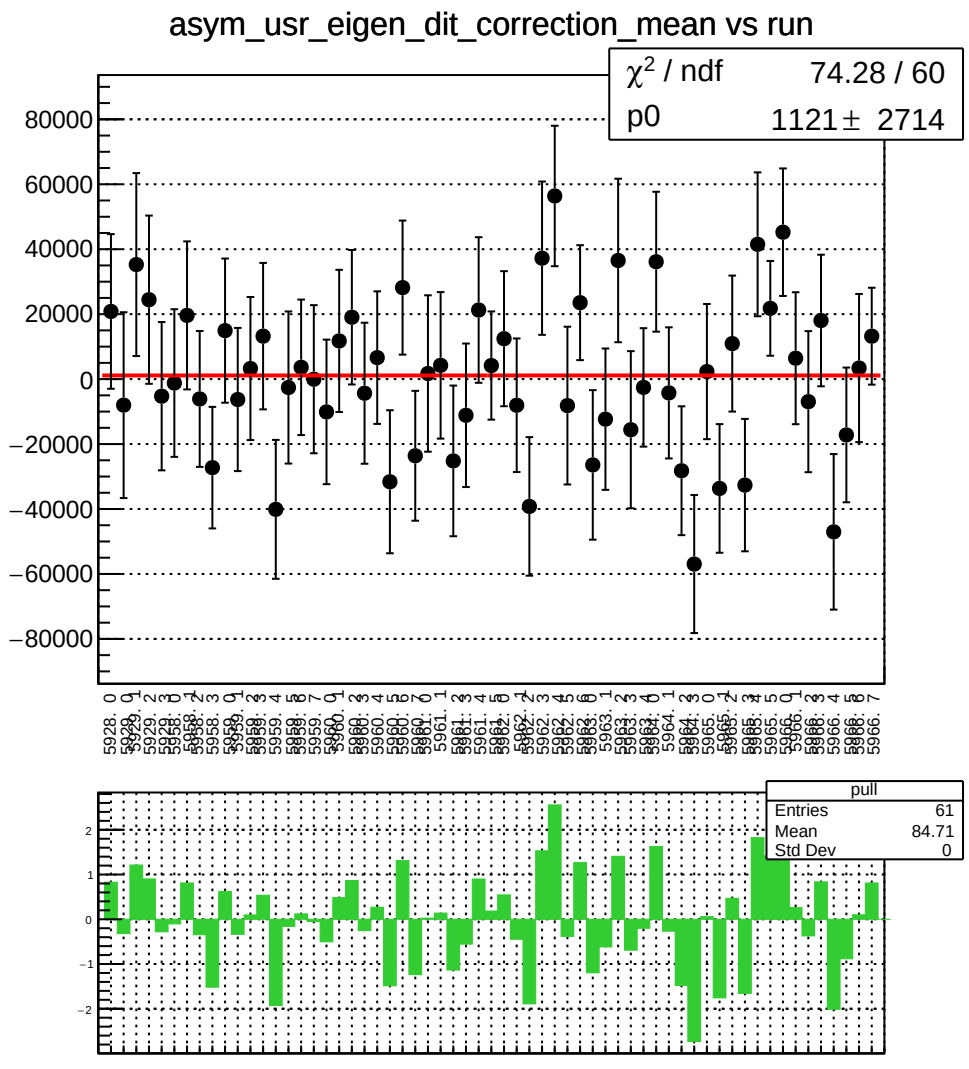

asym_usr_dit_correction_mean vs run
χ² / ndf 74.28 / 60
p0 1121 ± 2714
pull
Entries 61
Mean 84.71
Std Dev 0
pull1D
Entries 61
Mean −0.008588
Std Dev 1.103

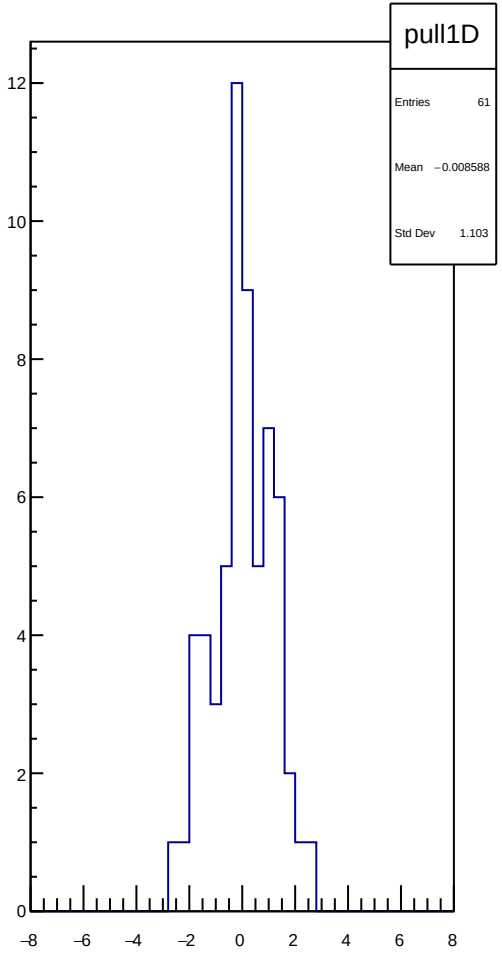

asym_usr_dit_correction_rms vs run
χ² / ndf 6949 / 60
p0 2090 ± 1.919
2800
2600
2400
2200
2000
1800

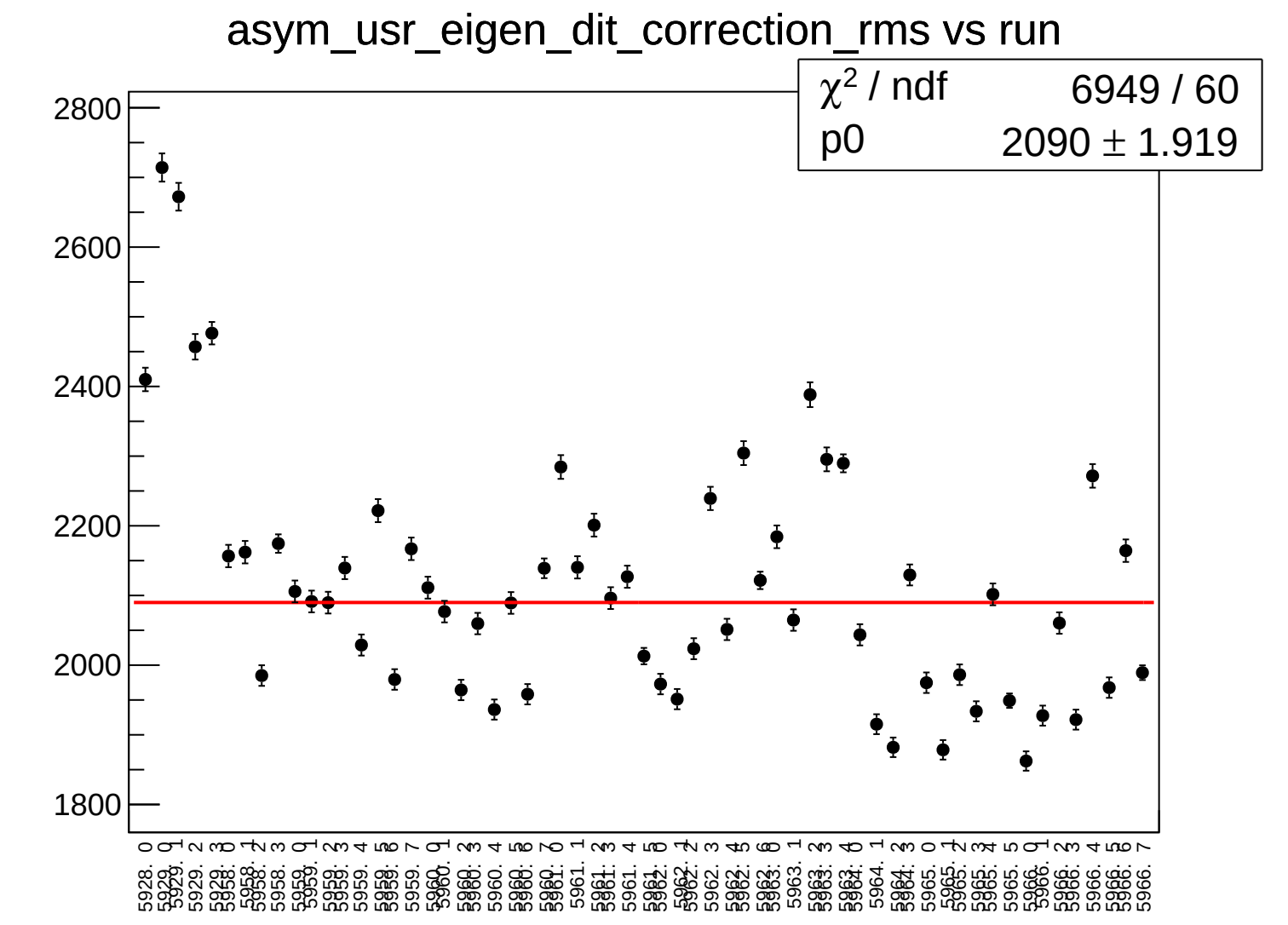

eigen_dit_asym_usr_mean vs run
χ² / ndf 57.11 / 60
p0 −1953 ± 1452
pull
Entries 61
Mean −250.1
Std Dev 0

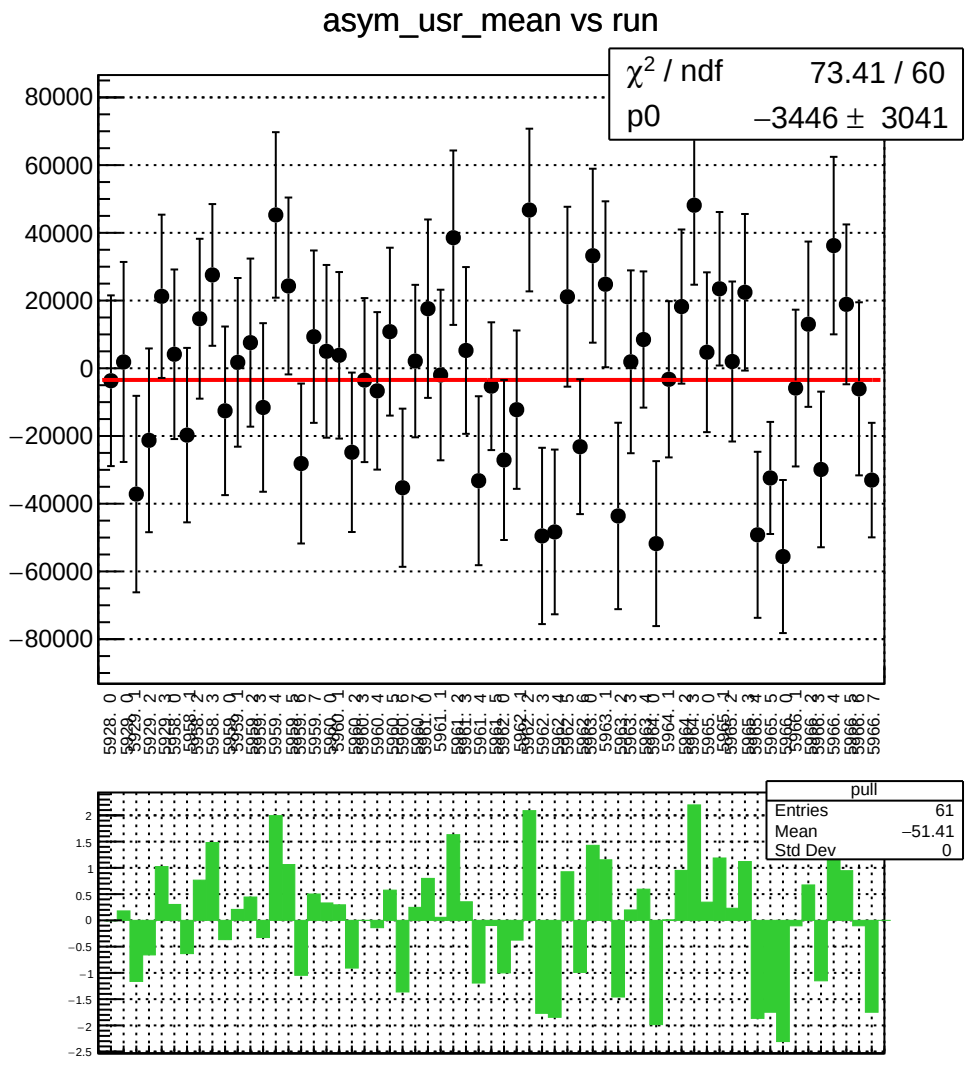

pull1D
Entries 61
Mean 0.01849
Std Dev 0.9674

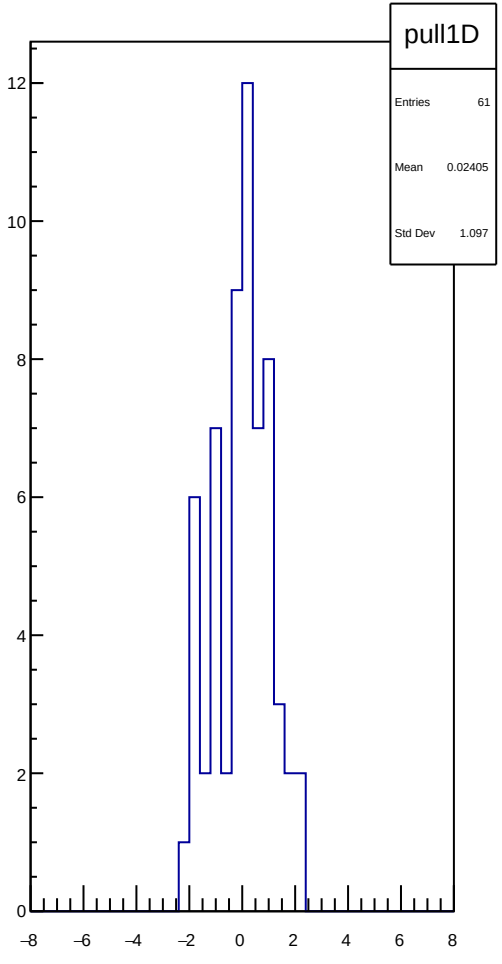

eigen_dit_asym_usr_rms vs run
χ² / ndf 733.4 / 60
p0 1121 ± 1.027
1240
1220
1200
1180
1160
1140
1120
1100
1080

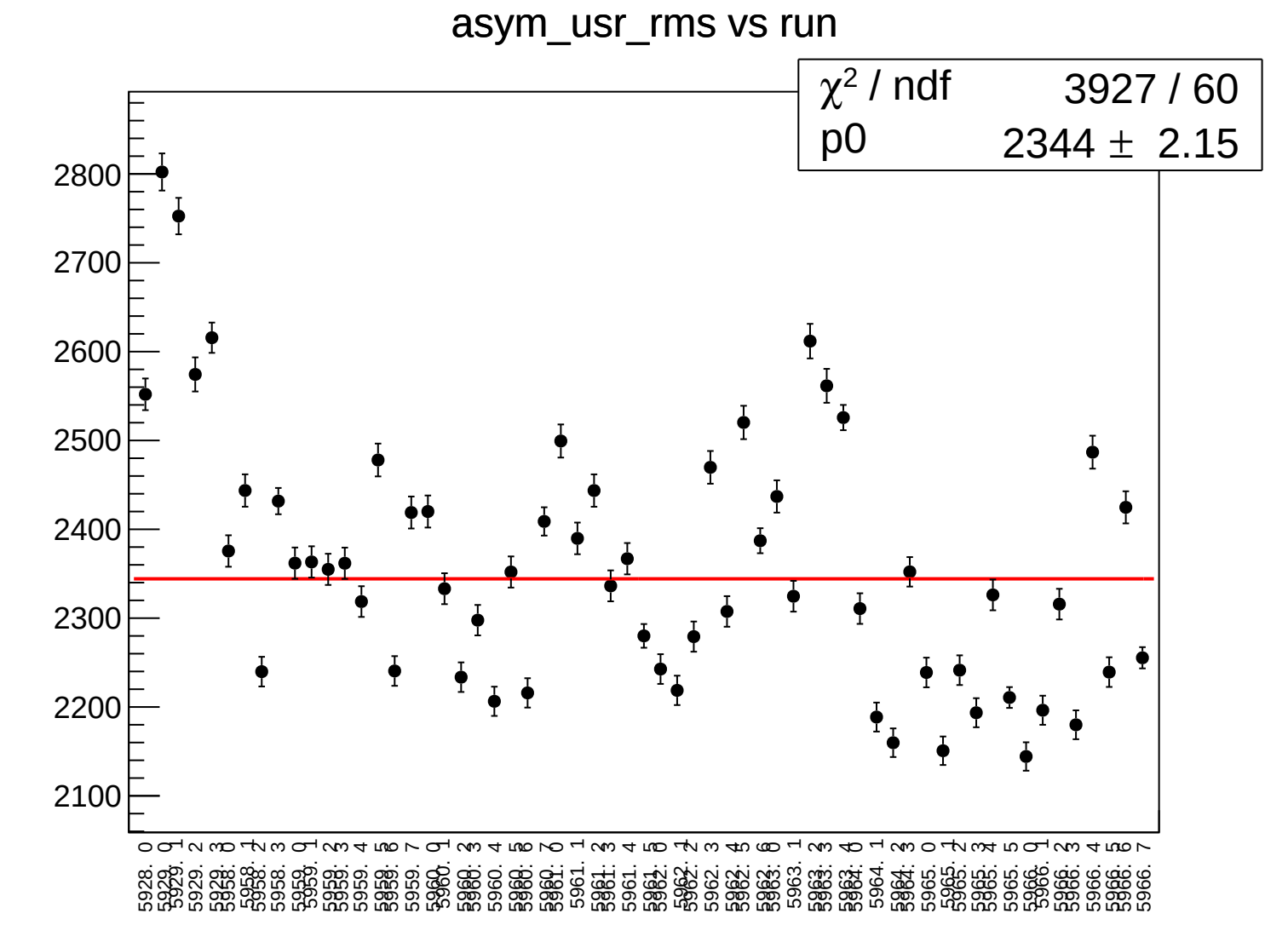

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 74.28 / 60
p0 1121 ± 2714
pull
Entries 61
Mean 84.71
Std Dev 0

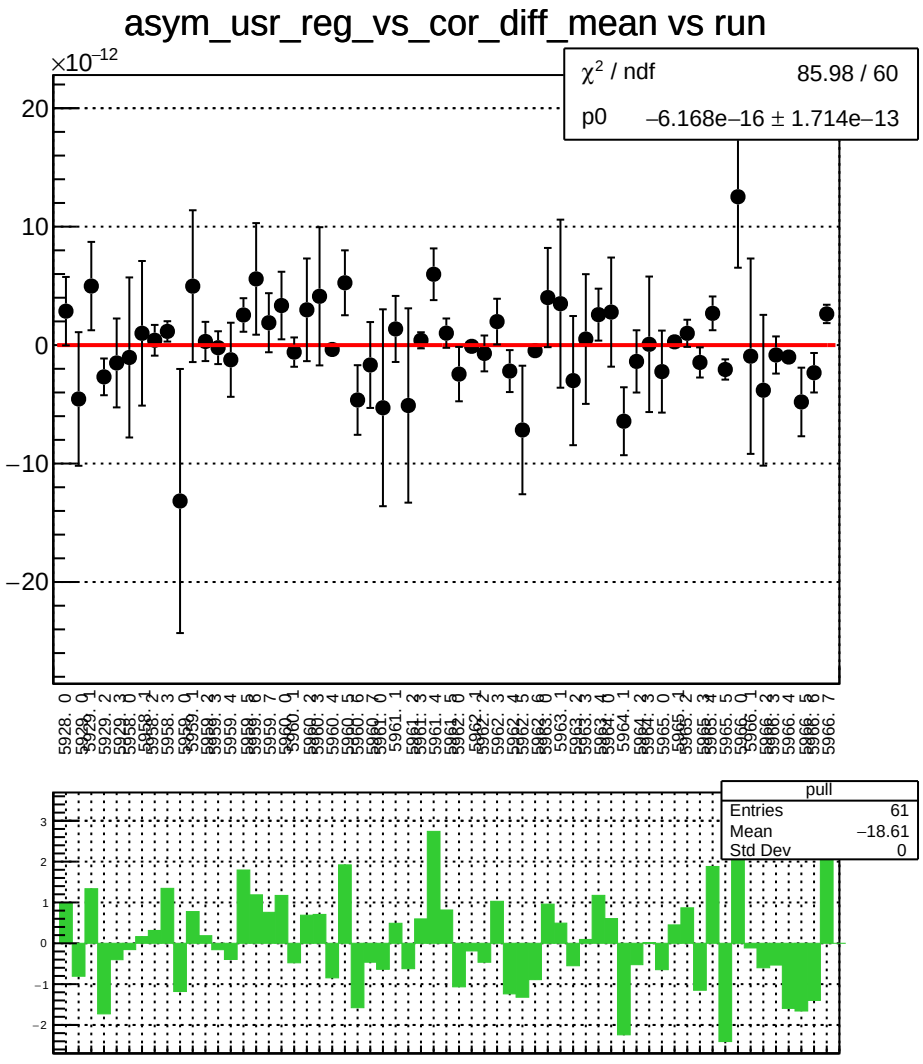

pull1D
Entries 61
Mean −0.008588
Std Dev 1.103

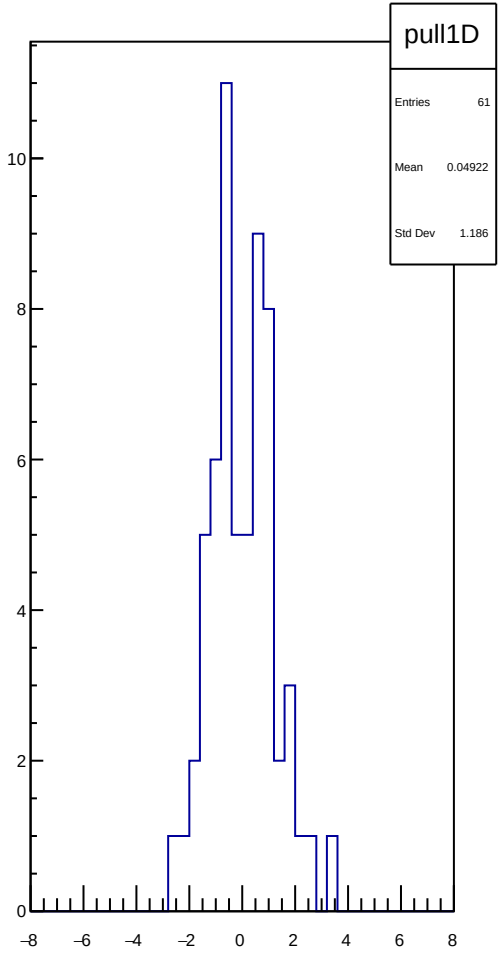

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 6949 / 60
p0 2090 ± 1.919
2800
2600
2400
2200
2000
1800

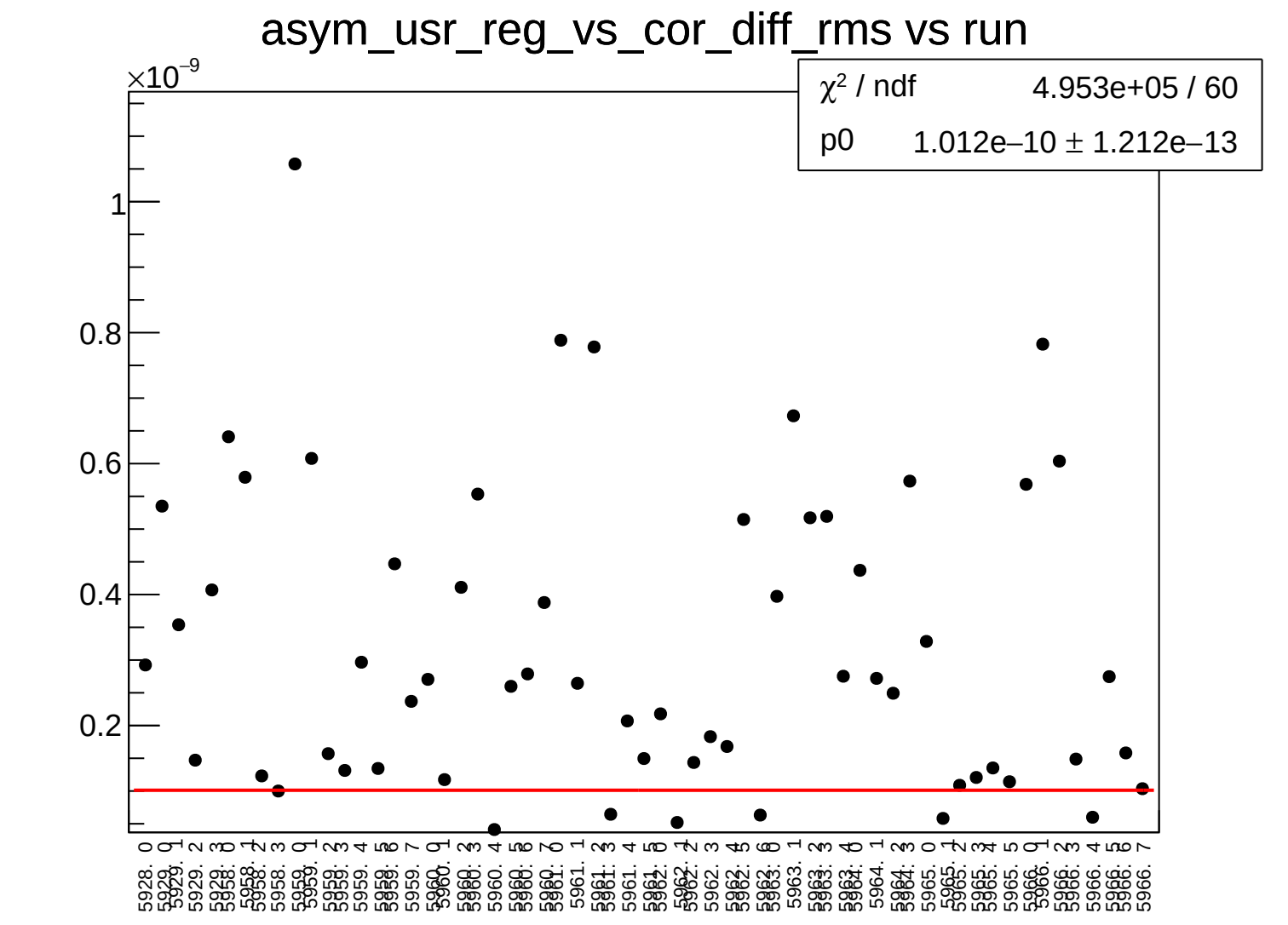

asym_usr_mean vs run
χ² / ndf 73.41 / 60
p0 −3446 ± 3041
pull
Entries 61
Mean −51.41
Std Dev 0

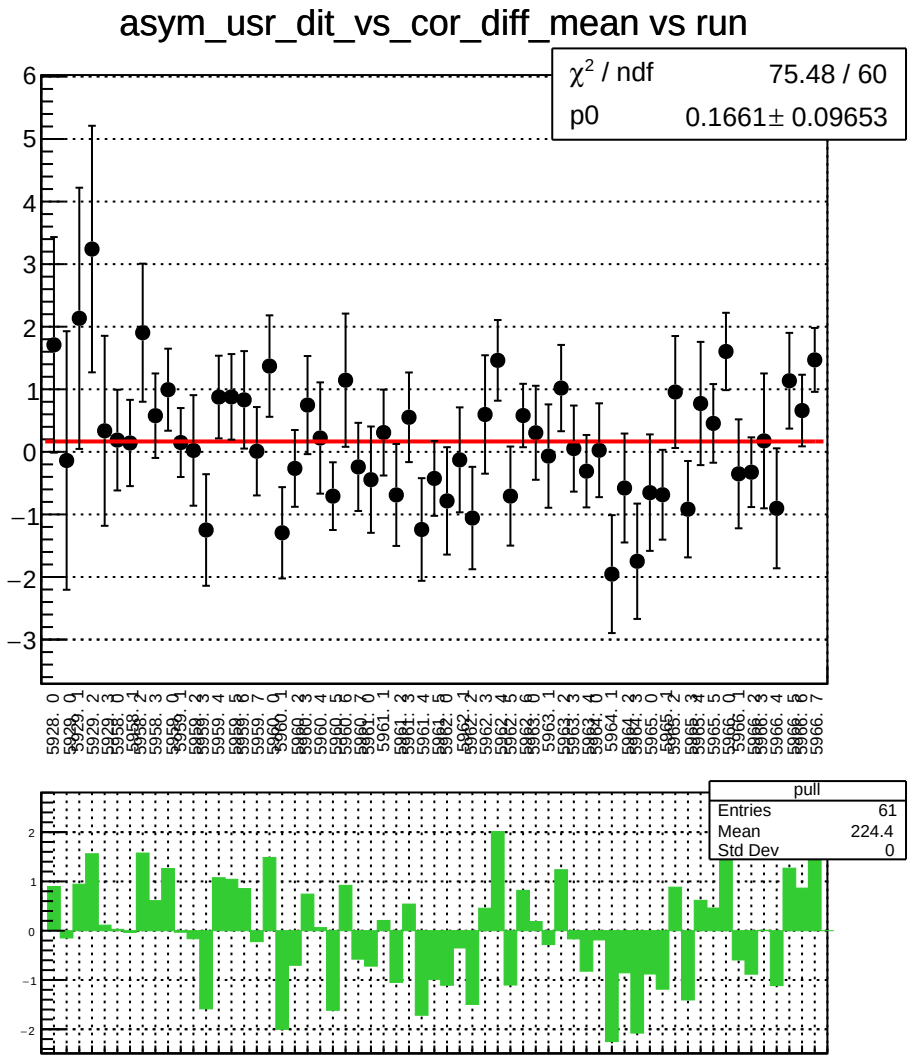

pull1D
Entries 61
Mean 0.02405
Std Dev 1.097

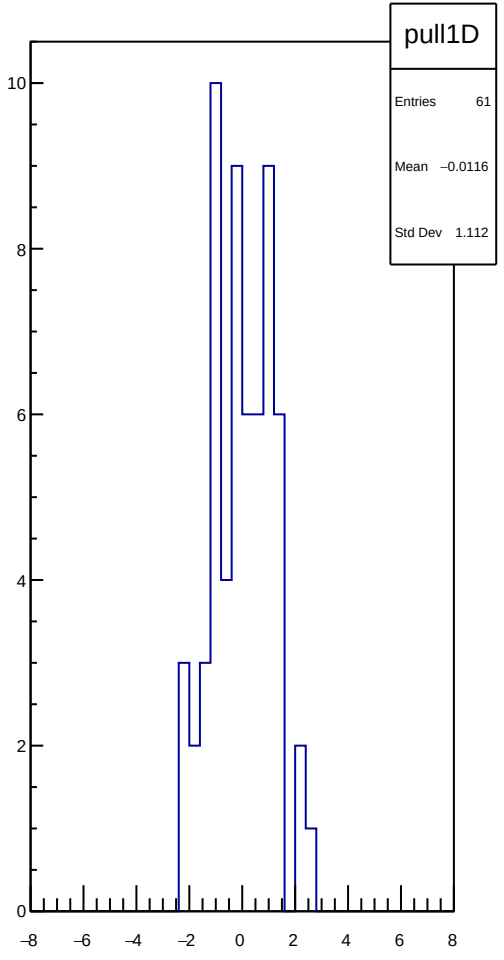

asym_usr_rms vs run
χ² / ndf 3927 / 60
p0 2344 ± 2.15
2800
2700
2600
2500
2400
2300
2200
2100

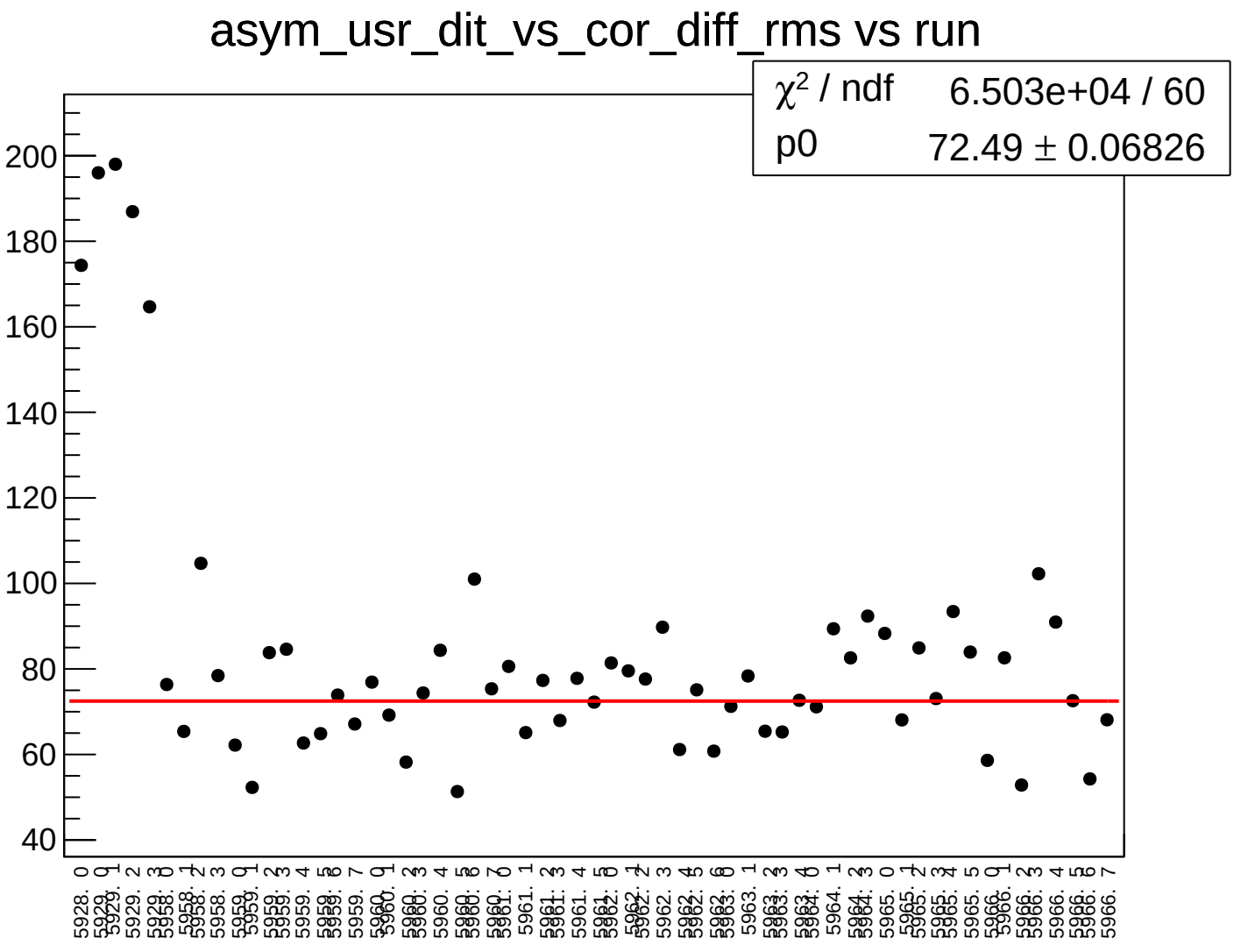

asym_usr_reg_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 85.98 / 60
p0 −6.168e−16 ± 1.714e−13
pull
Entries 61
Mean −18.61
Std Dev 0

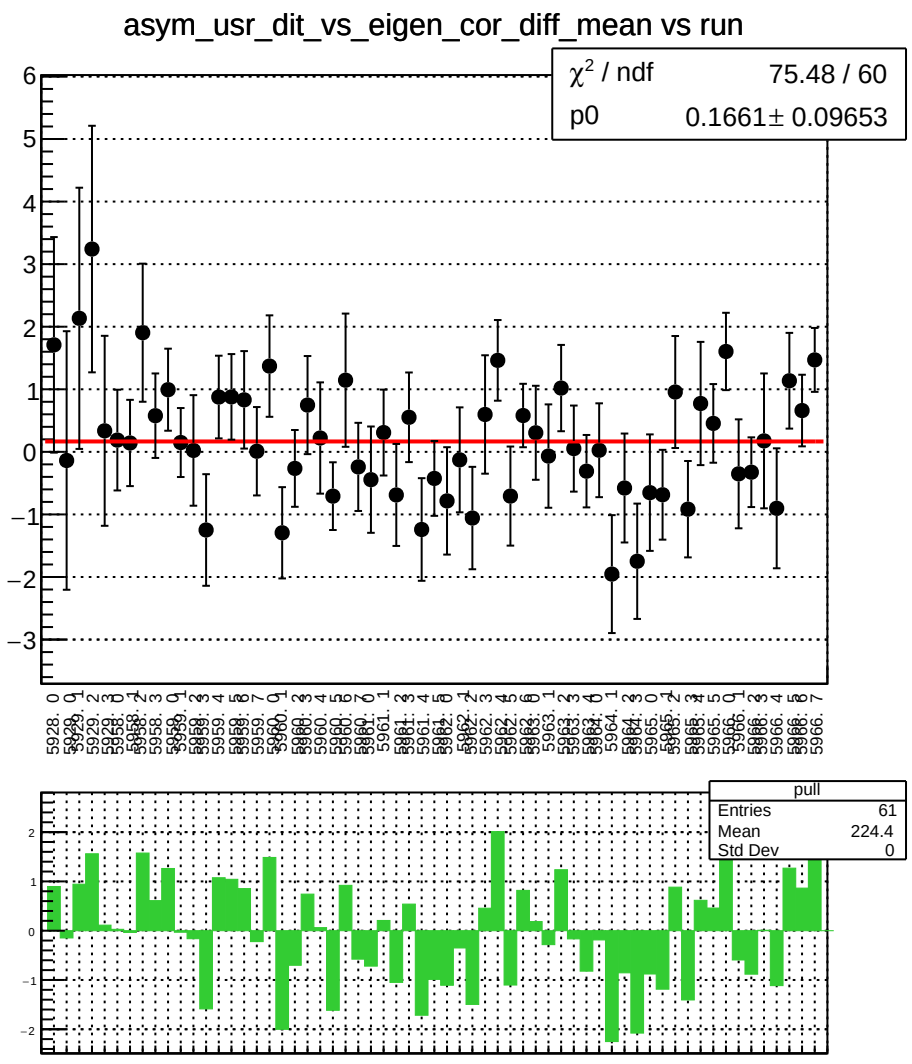

pull1D
Entries 61
Mean 0.04922
Std Dev 1.186

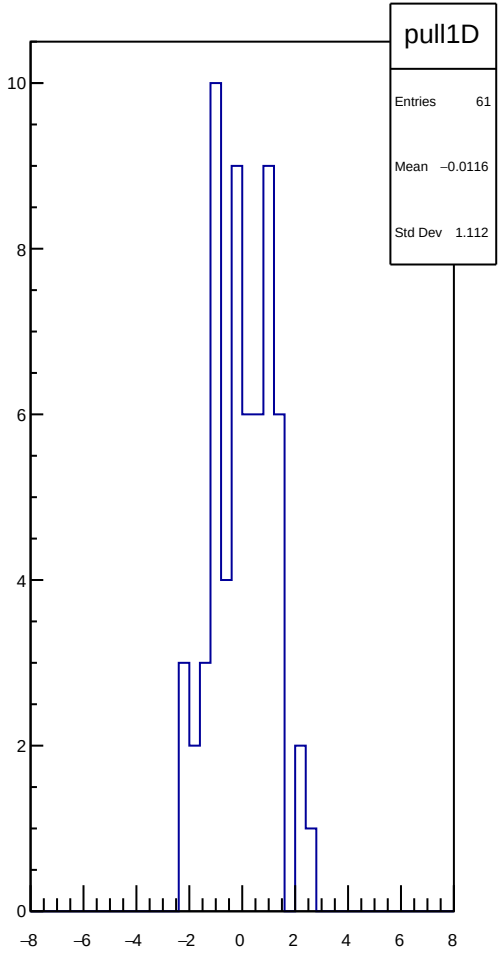

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.953e+05 / 60
p0 1.012e−10 ± 1.212e−13
1
0.8
0.6
0.4
0.2

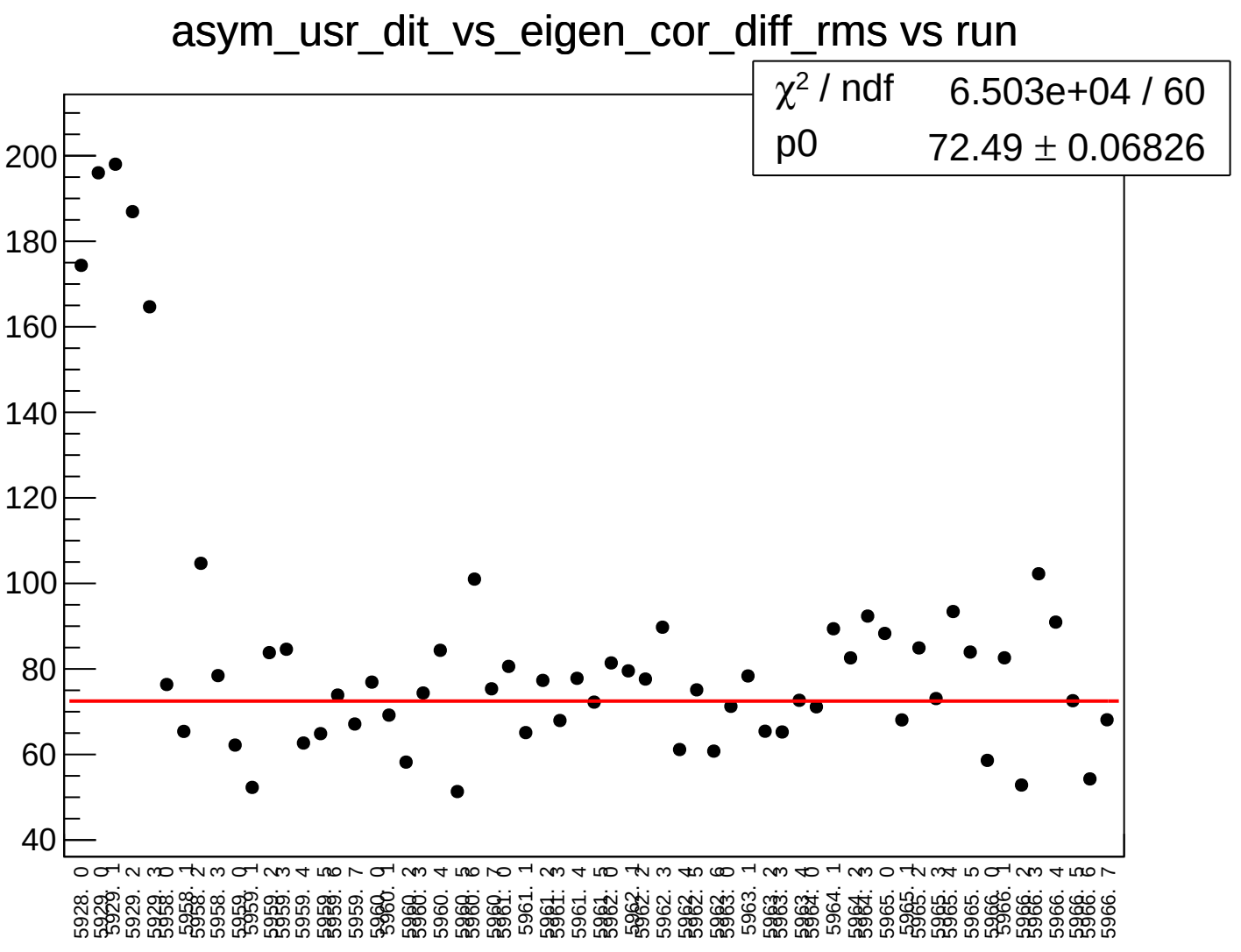

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 75.48 / 60
p0 0.1661± 0.09653
pull
Entries 61
Mean 224.4
Std Dev 0

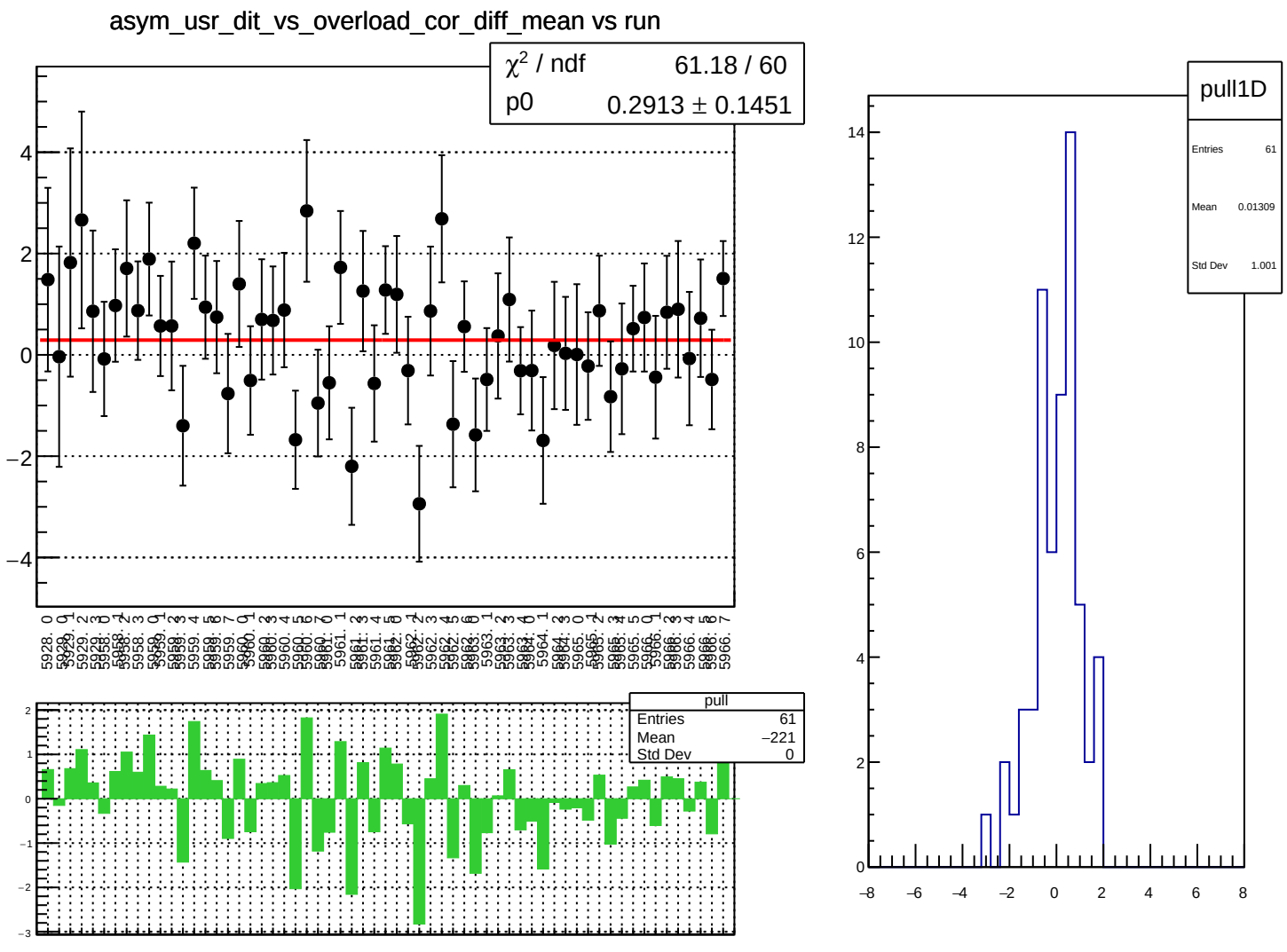

pull1D
Entries 61
Mean −0.0116
Std Dev 1.112

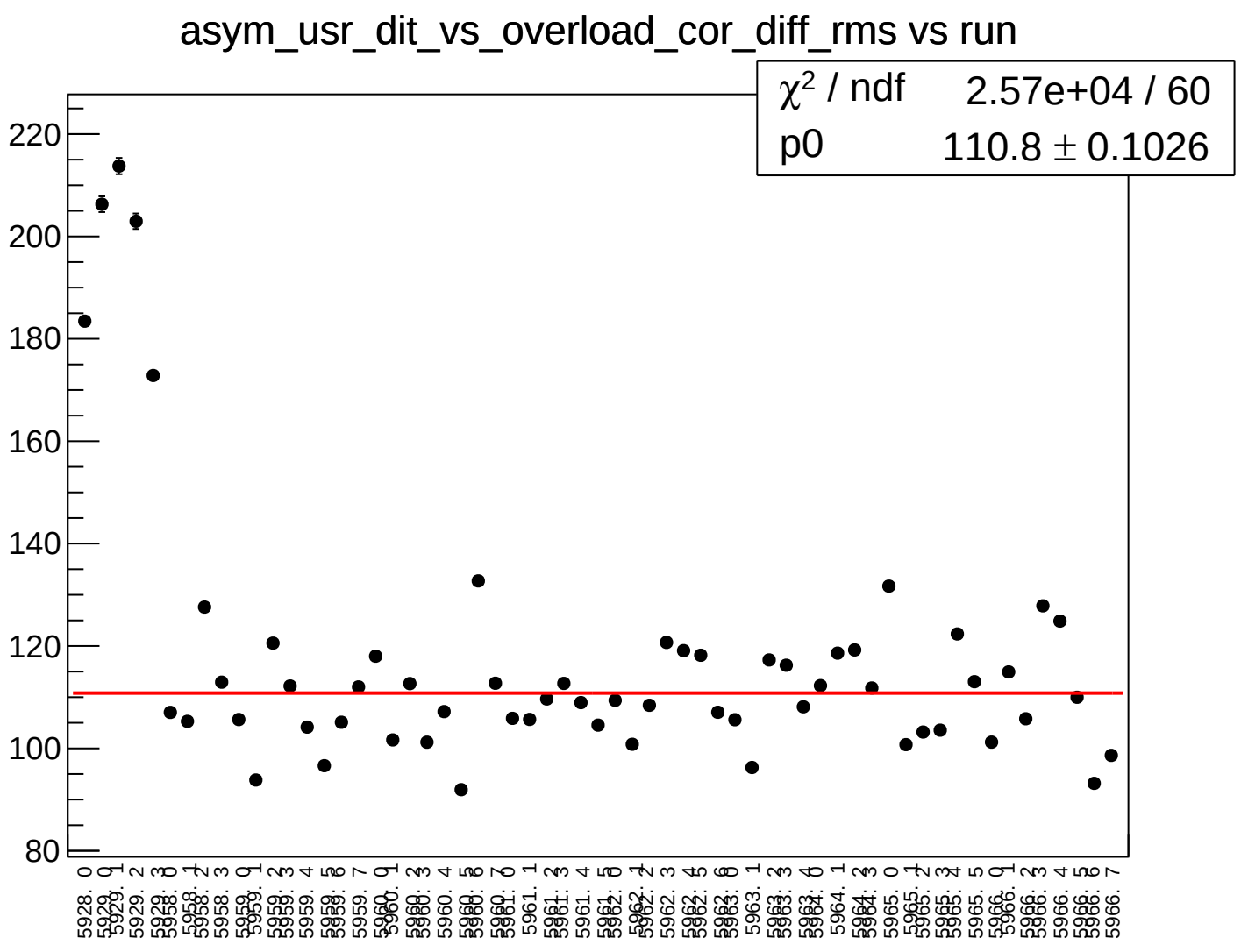

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 60
p0 72.49 ± 0.06826
200
180
160
140
120
100
80
60
40

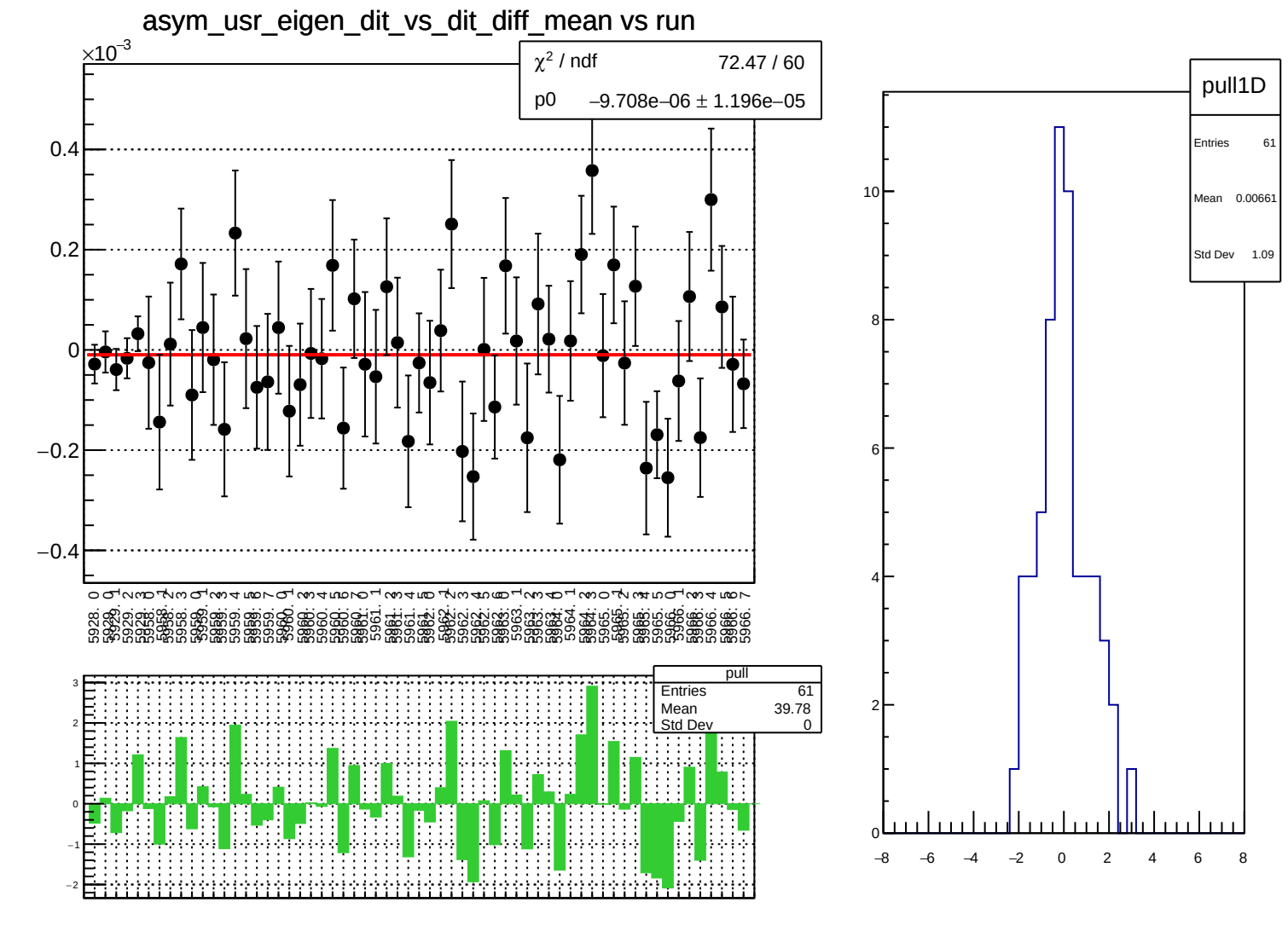

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.48 / 60
p0 0.1661± 0.09653
pull
Entries 61
Mean 224.4
Std Dev 0

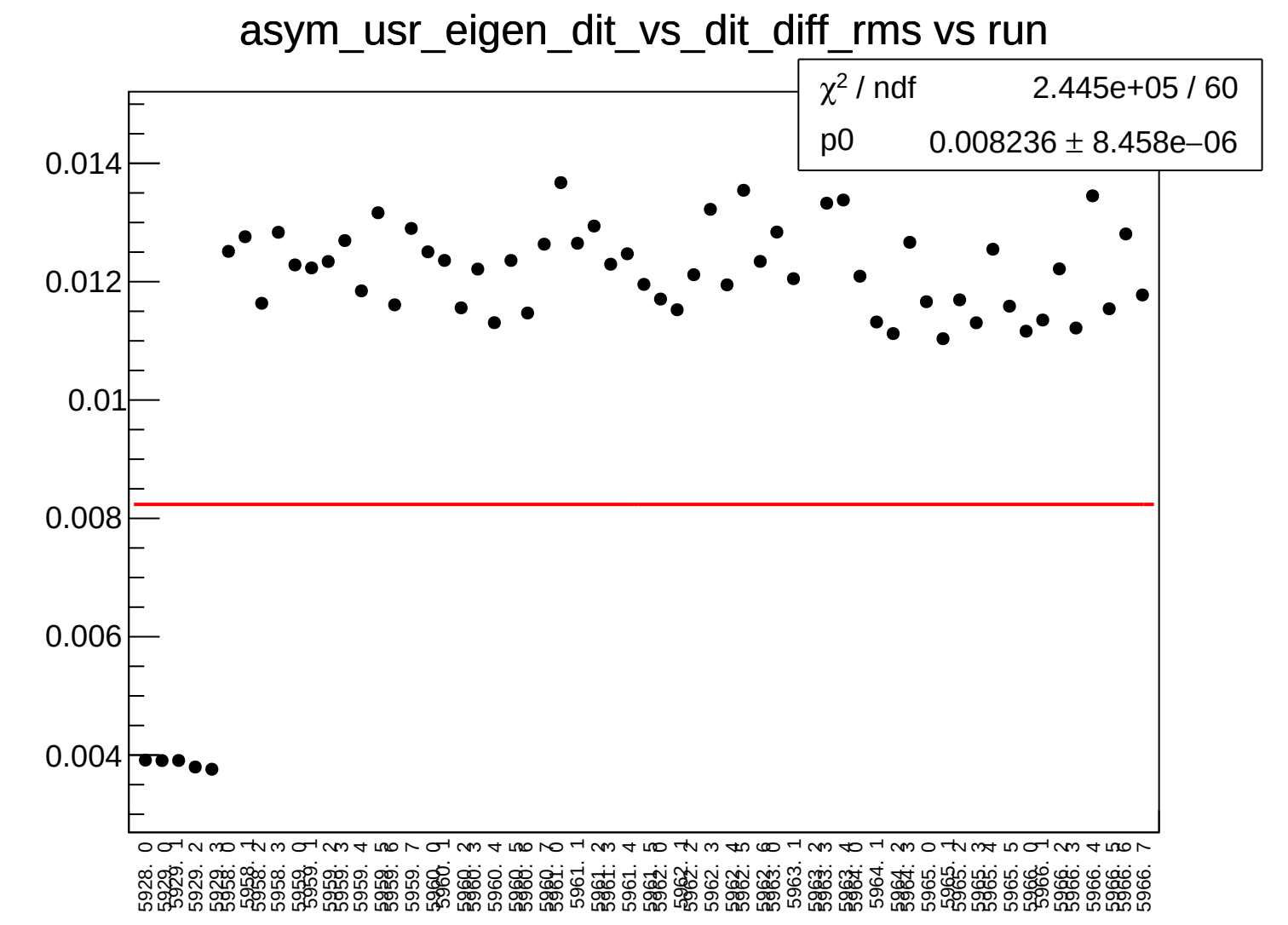

pull1D
Entries 61
Mean −0.0116
Std Dev 1.112

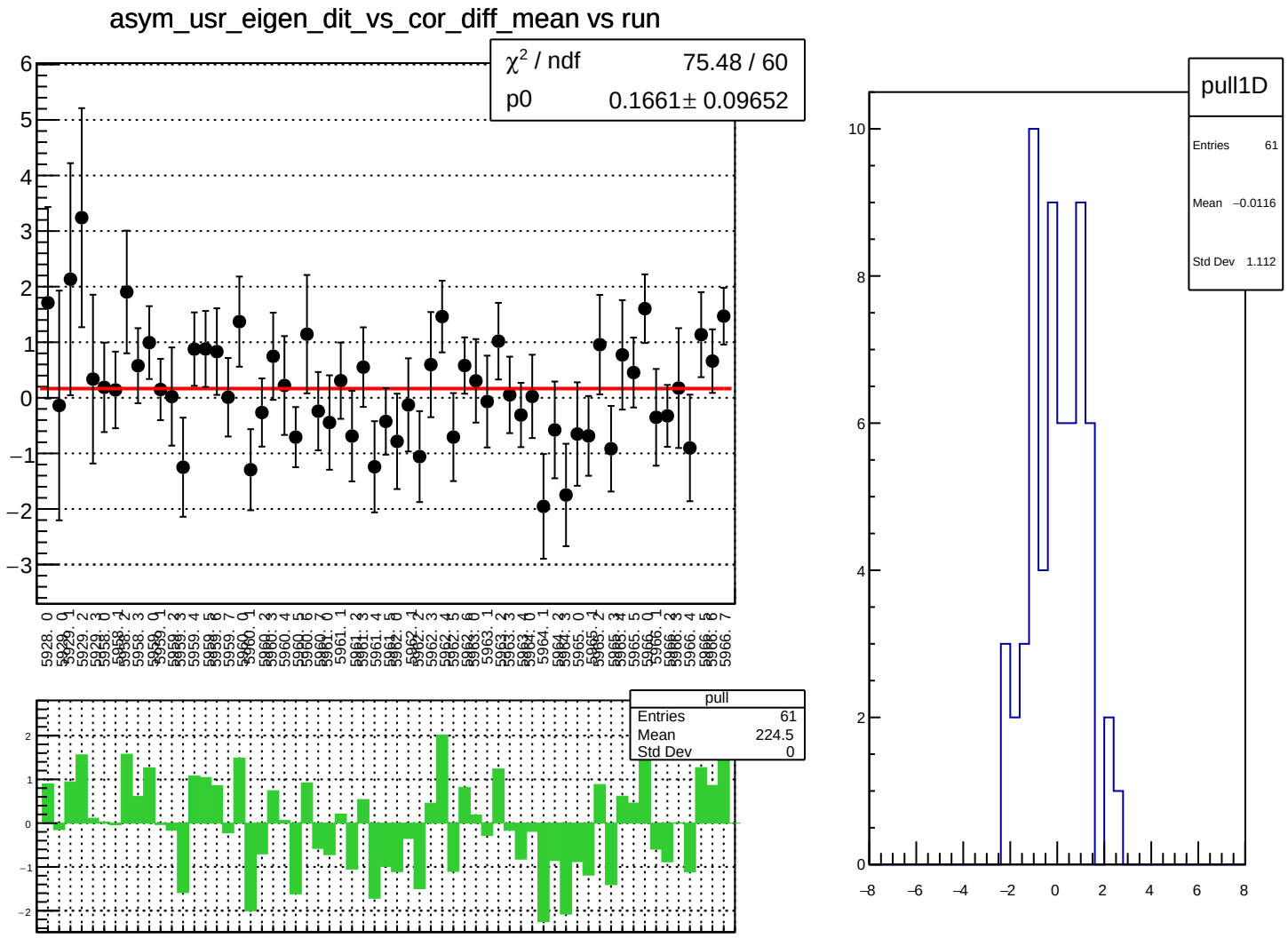

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 60
p0 72.49 ± 0.06826
200
180
160
140
120
100
80
60
40

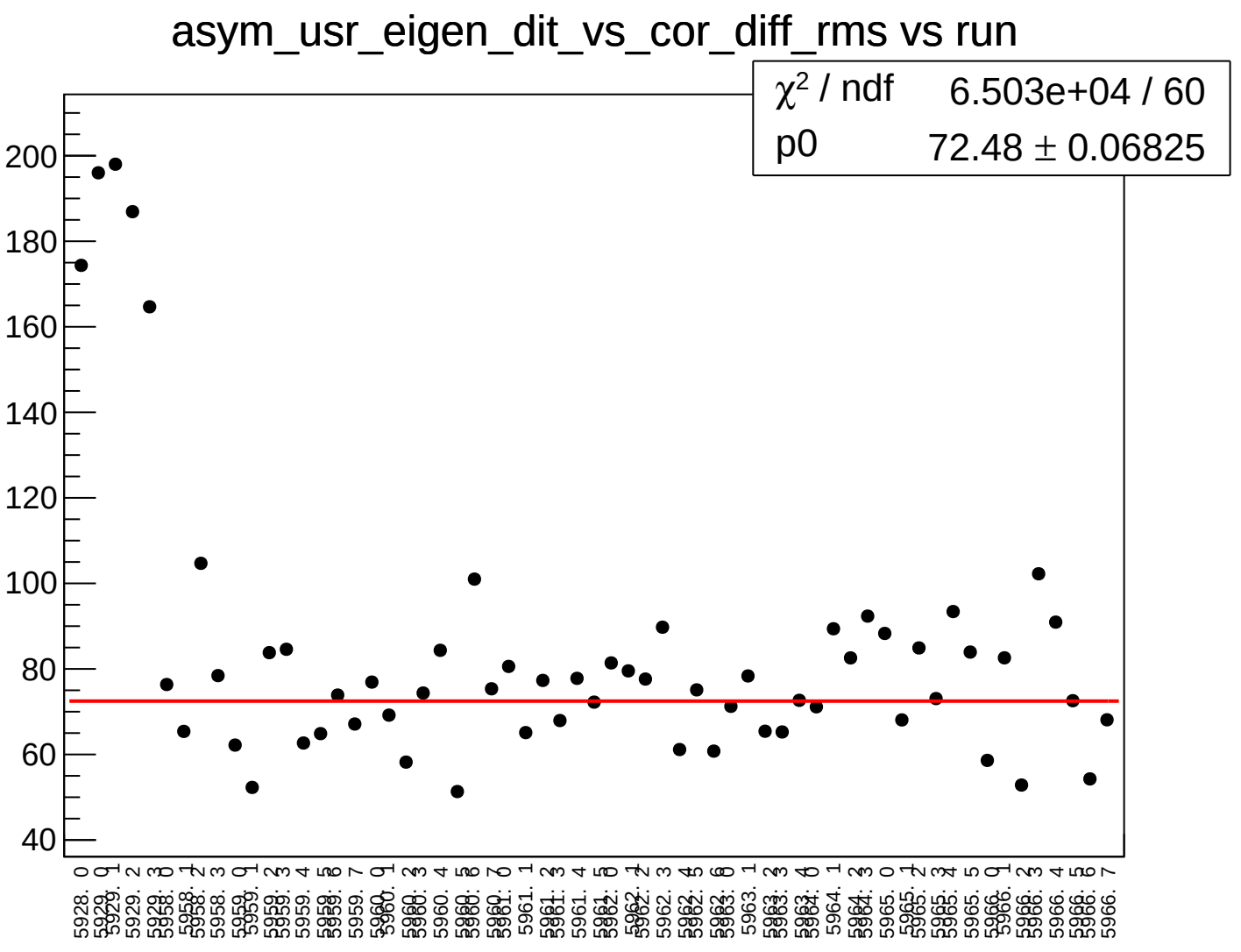

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.18 / 60
p0 0.2913 ± 0.1451
pull
Entries 61
Mean −221
Std Dev 0
pull1D
Entries 61
Mean 0.01309
Std Dev 1.001

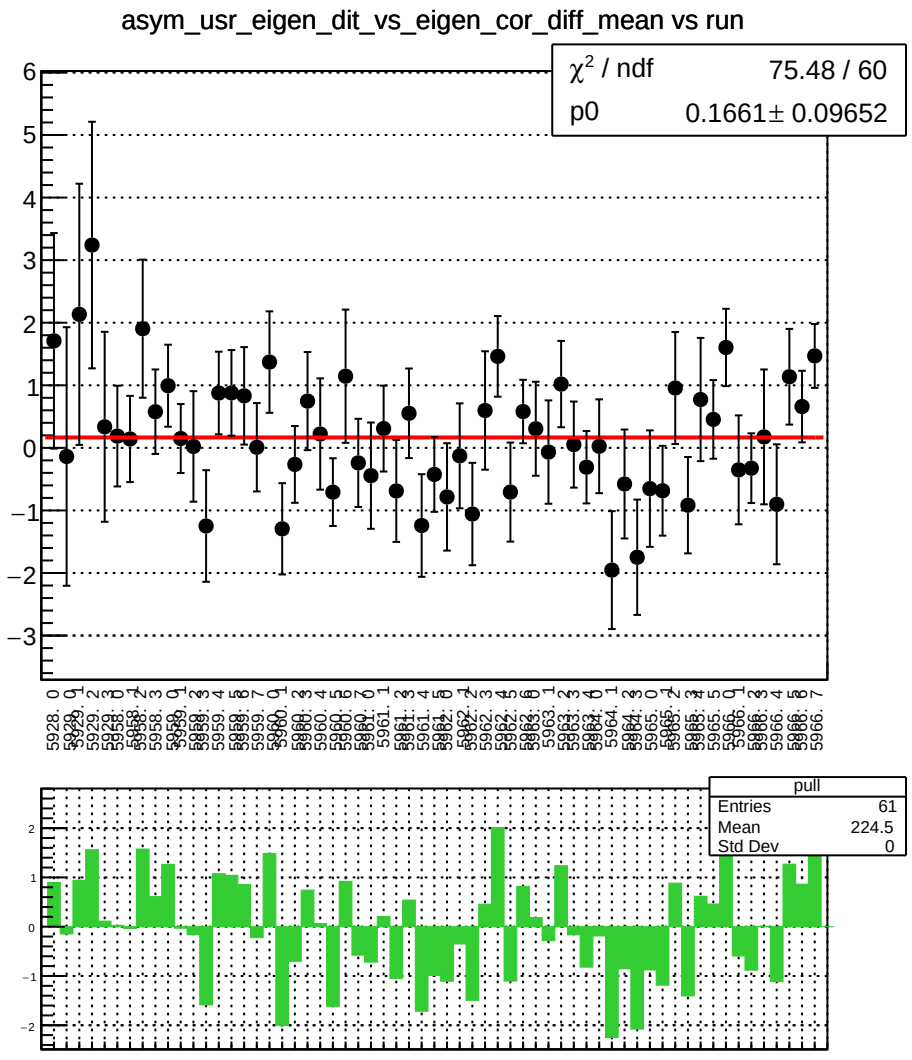

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.57e+04 / 60
p0 110.8 ± 0.1026
220
200
180
160
140
120
100
80

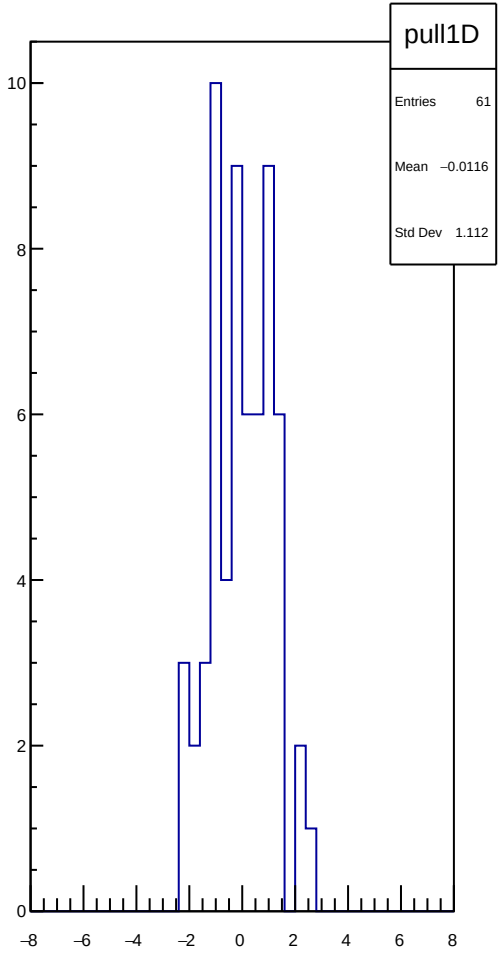

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.47 / 60
p0 −9.708e−06 ± 1.196e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 61
Mean 39.78
Std Dev 0
pull1D
Entries 61
Mean 0.00661
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

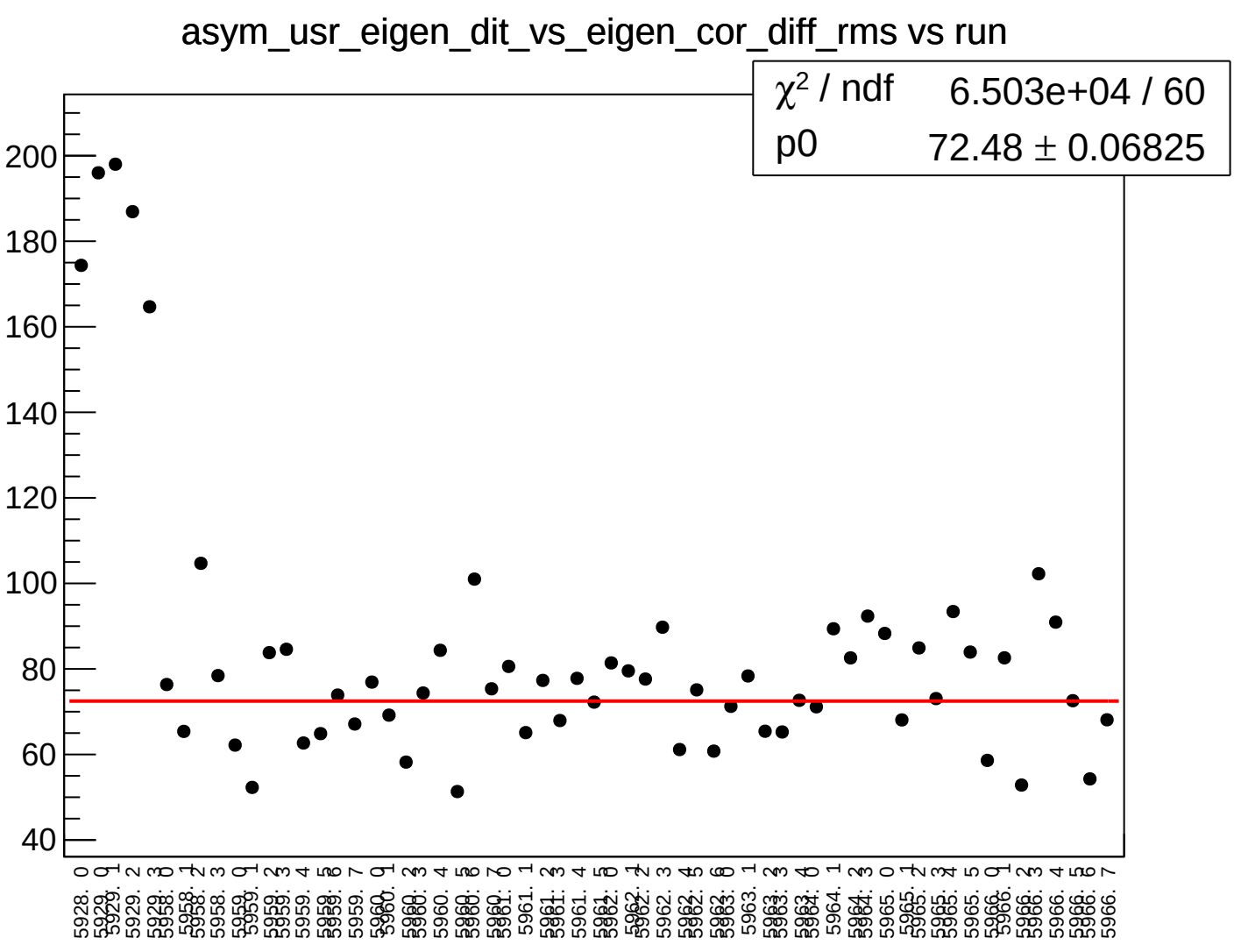

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.445e+05 / 60
p0 0.008236 ± 8.458e−06
0.014
0.012
0.01
0.008
0.006
0.004

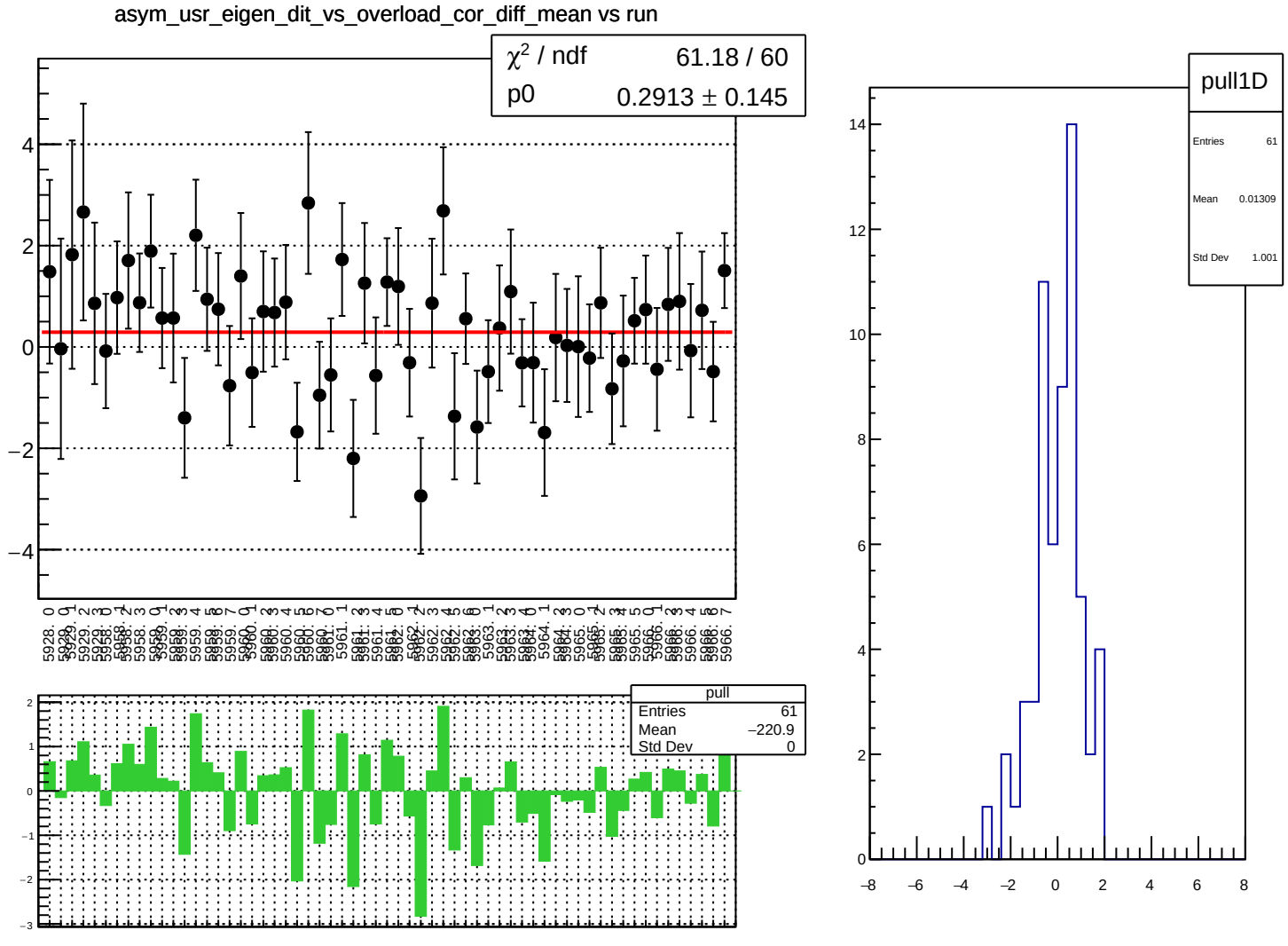

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.48 / 60
p0 0.1661± 0.09652
pull
Entries 61
Mean 224.5
Std Dev 0
pull1D
Entries 61
Mean −0.0116
Std Dev 1.112

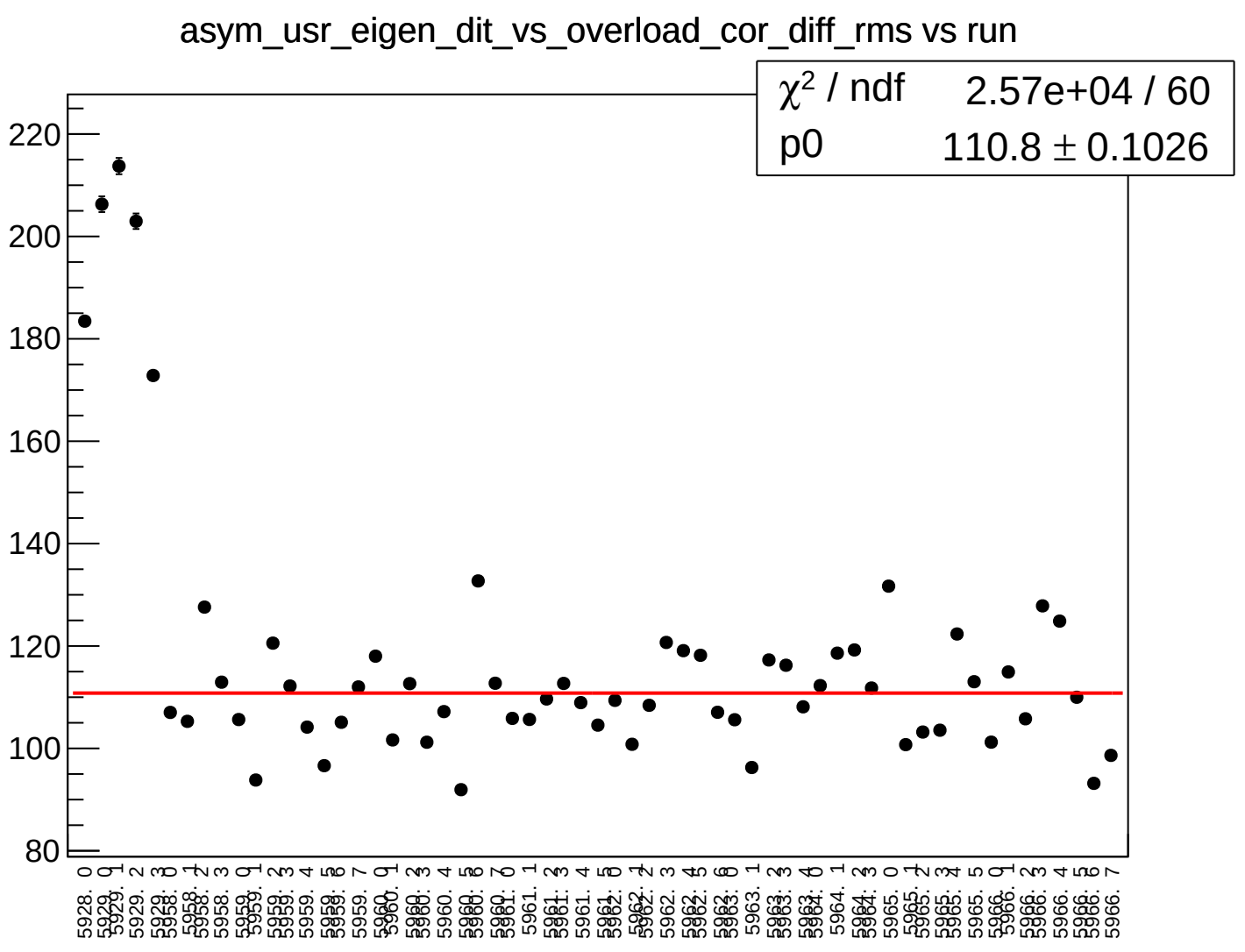

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 60
p0 72.48 ± 0.06825
200
180
160
140
120
100
80
60
40

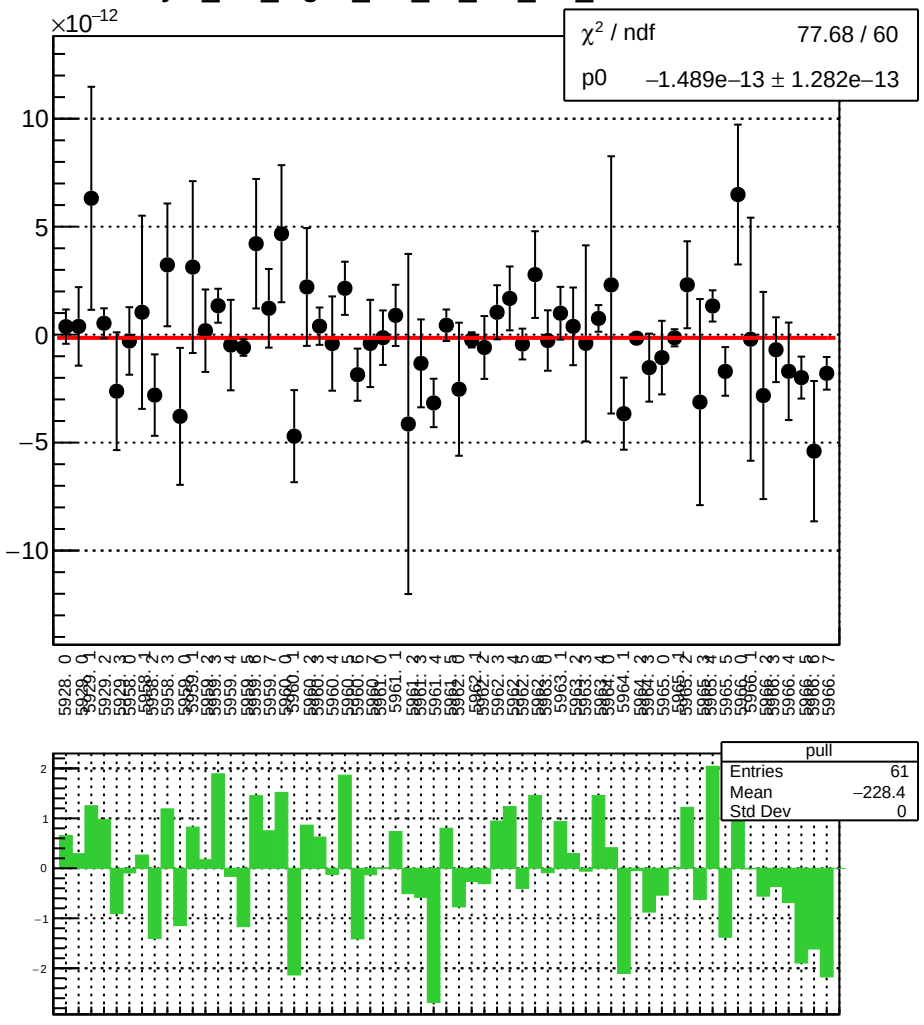

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.48 / 60
p0 0.1661± 0.09652
pull
Entries 61
Mean 224.5
Std Dev 0

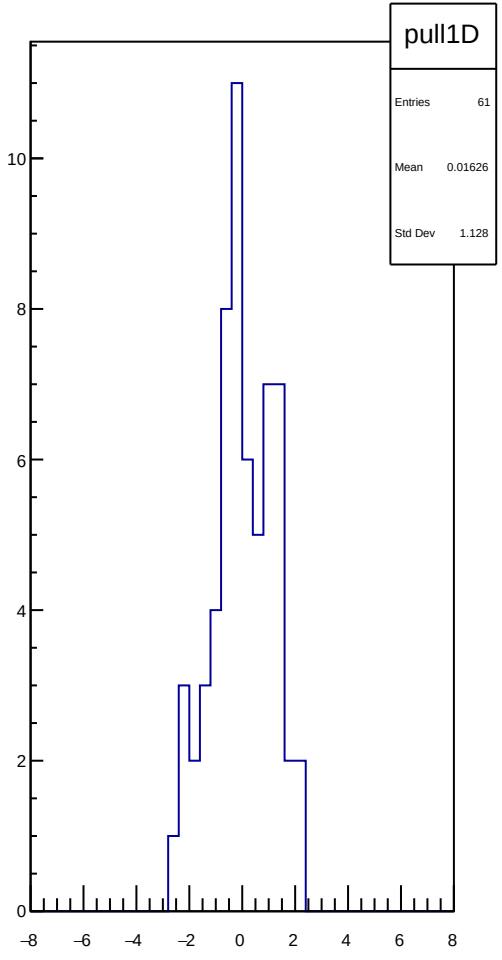

pull1D
Entries 61
Mean −0.0116
Std Dev 1.112

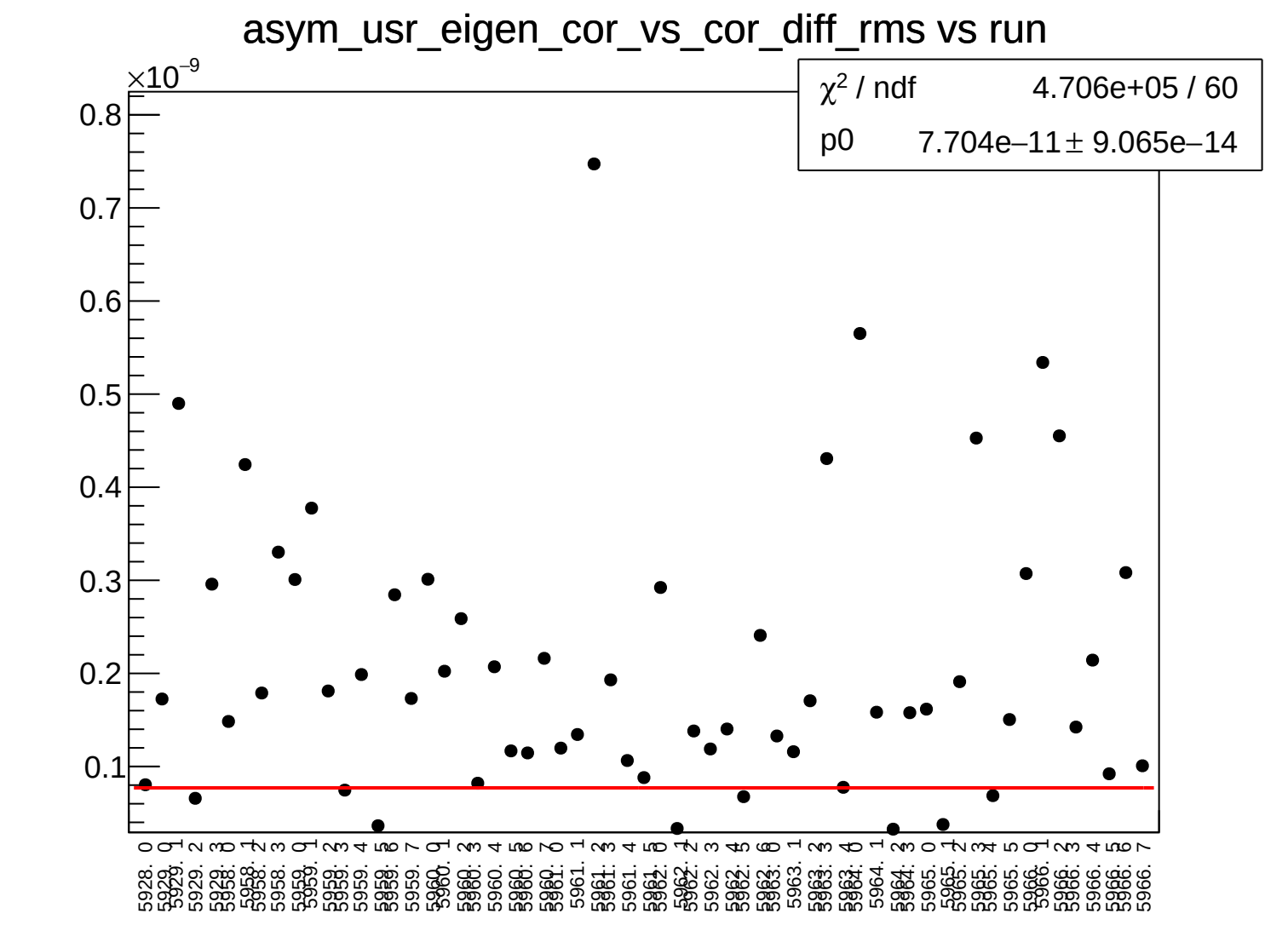

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.503e+04 / 60
p0 72.48 ± 0.06825
200
180
160
140
120
100
80
60
40

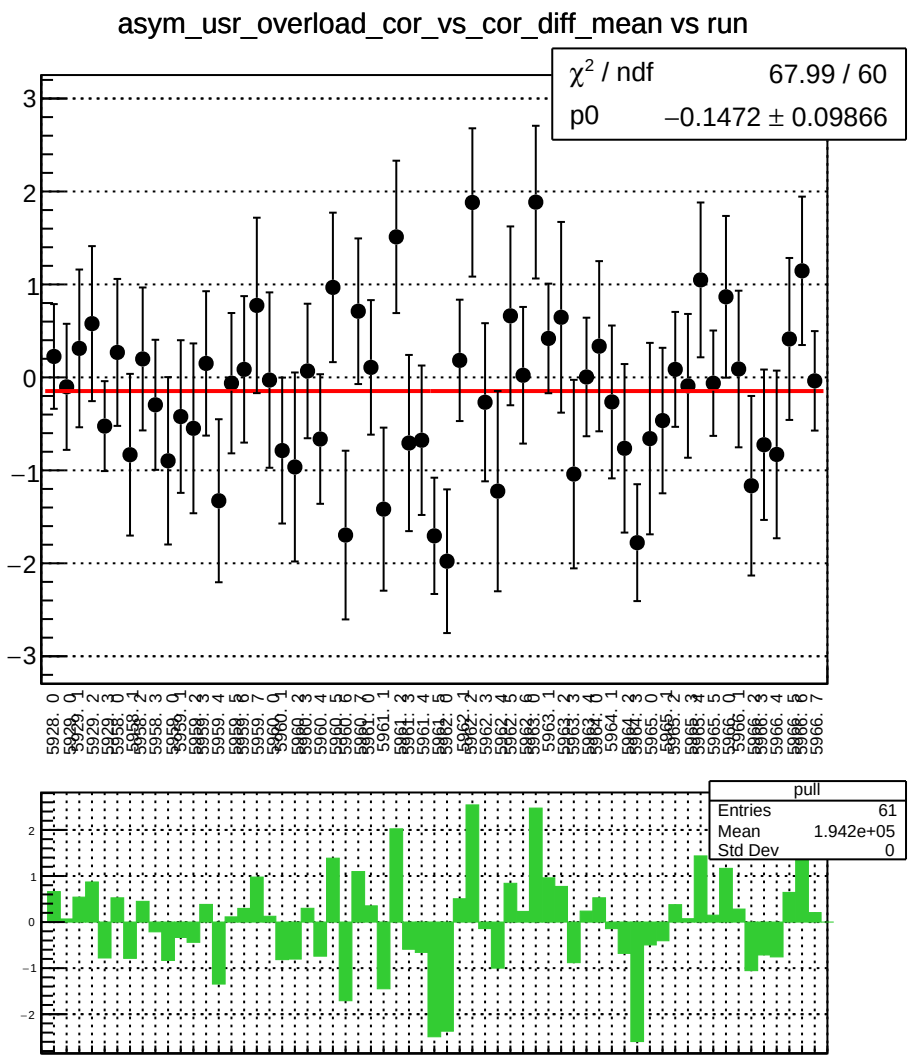

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 61.18 / 60
p0 0.2913 ± 0.145
pull
Entries 61
Mean −220.9
Std Dev 0
pull1D
Entries 61
Mean 0.01309
Std Dev 1.001

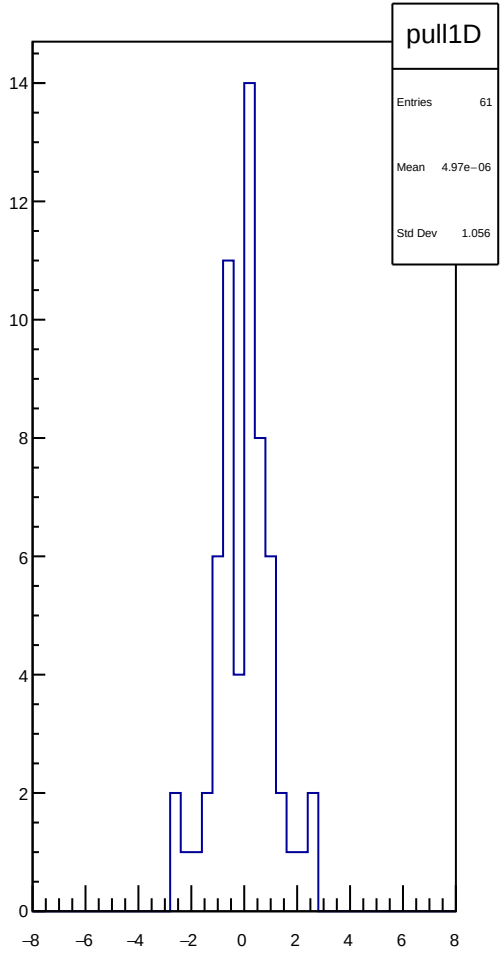

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.57e+04 / 60
p0 110.8 ± 0.1026
220
200
180
160
140
120
100
80

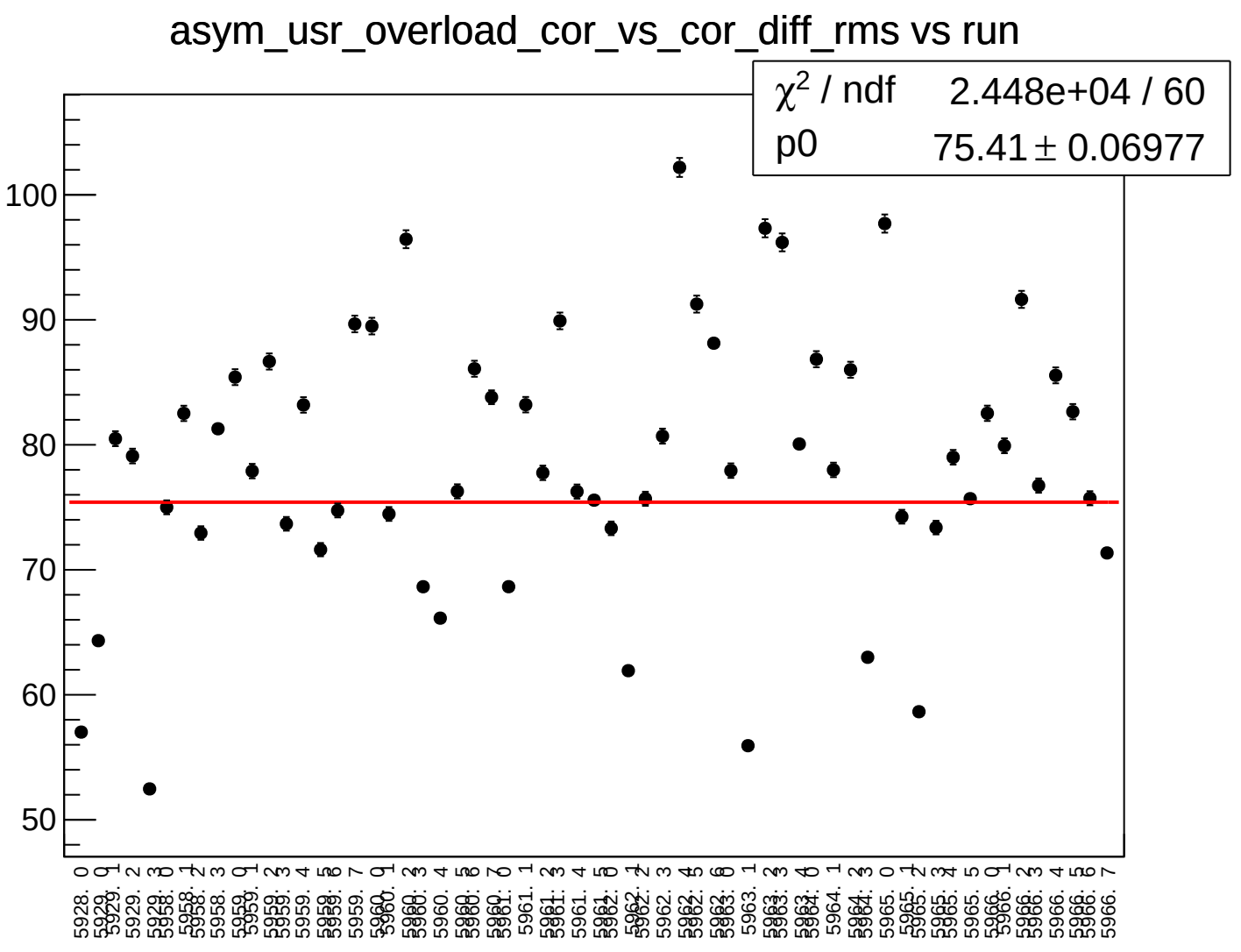

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 77.68 / 60
p0 −1.489e−13 ± 1.282e−13
pull
Entries 61
Mean −228.4
Std Dev 0

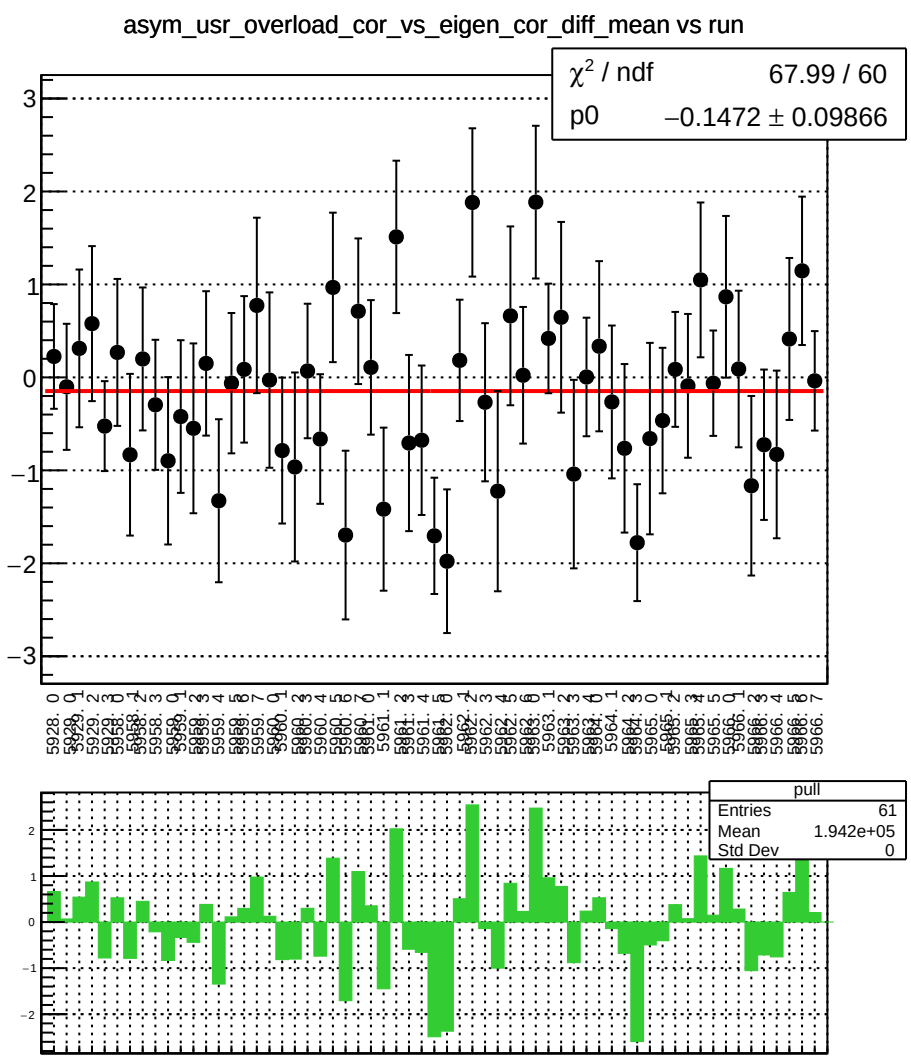

pull1D
Entries 61
Mean 0.01626
Std Dev 1.128

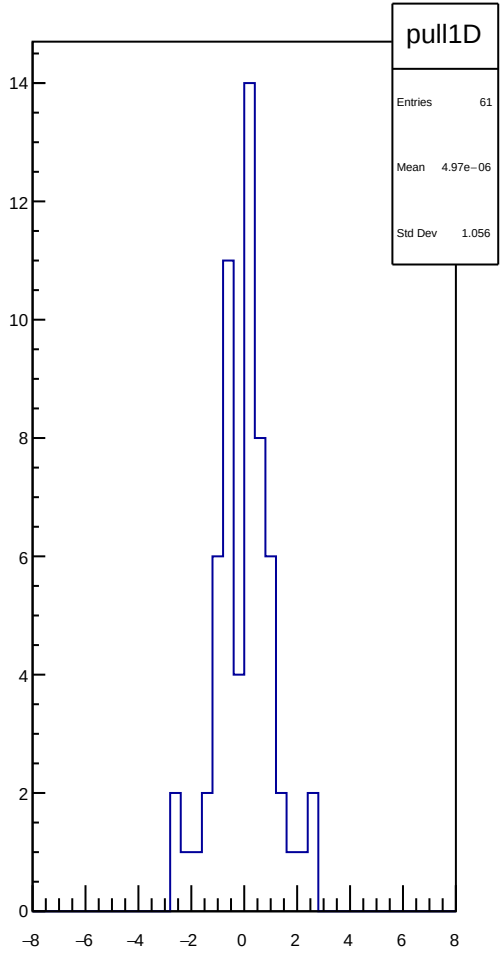

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.706e+05 / 60
p0 7.704e−11 ± 9.065e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

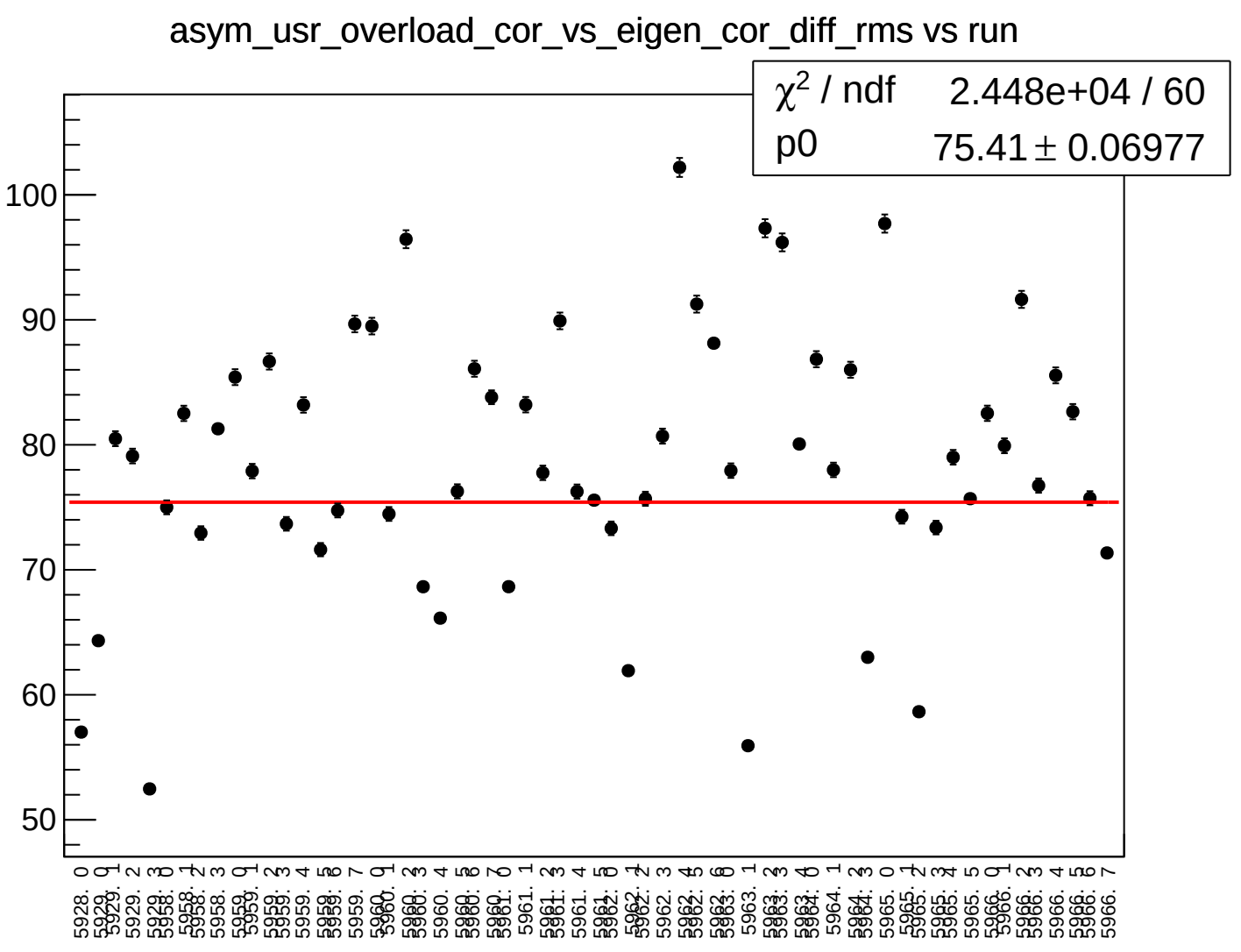

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 67.99 / 60
p0 −0.1472 ± 0.09866
pull
Entries 61
Mean 1.942e+05
Std Dev 0

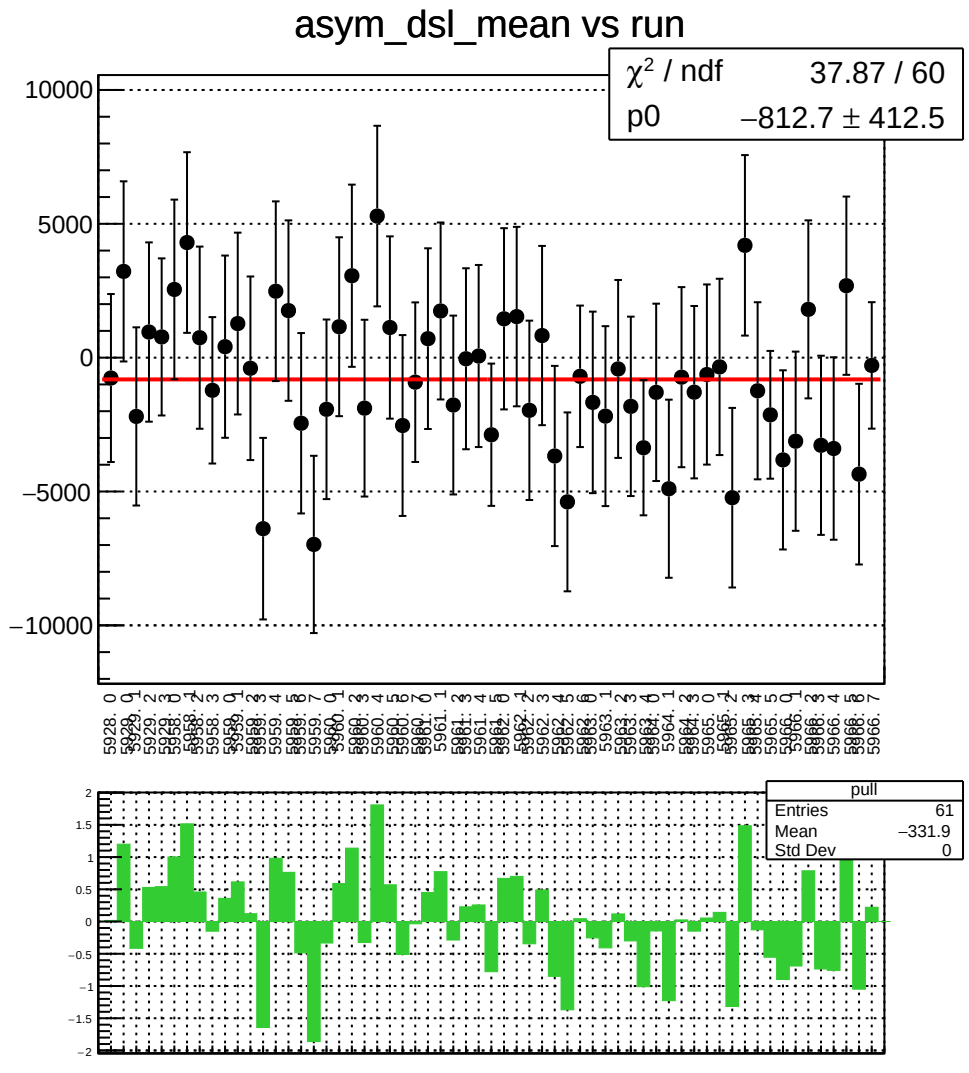

pull1D
Entries 61
Mean 4.97e−06
Std Dev 1.056

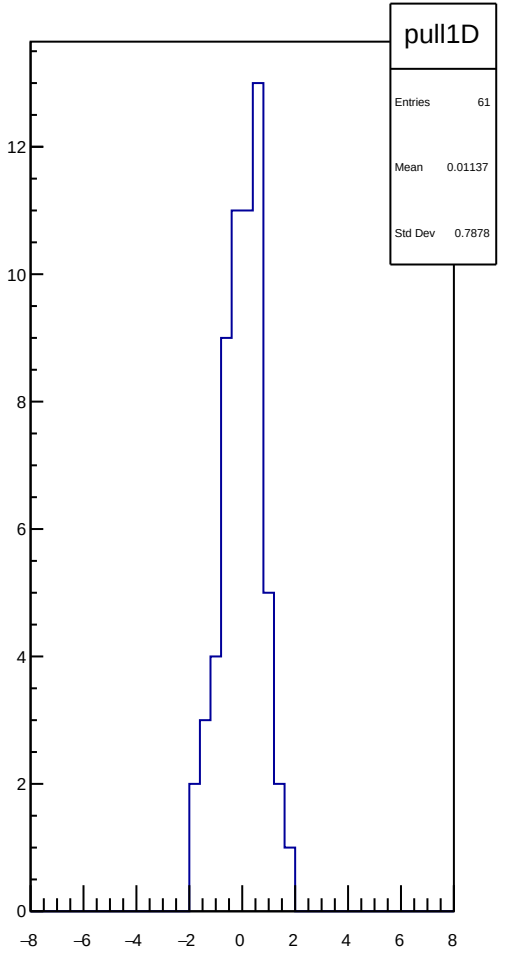

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 2.448e+04 / 60
p0 75.41 ± 0.06977
100
90
80
70
60
50

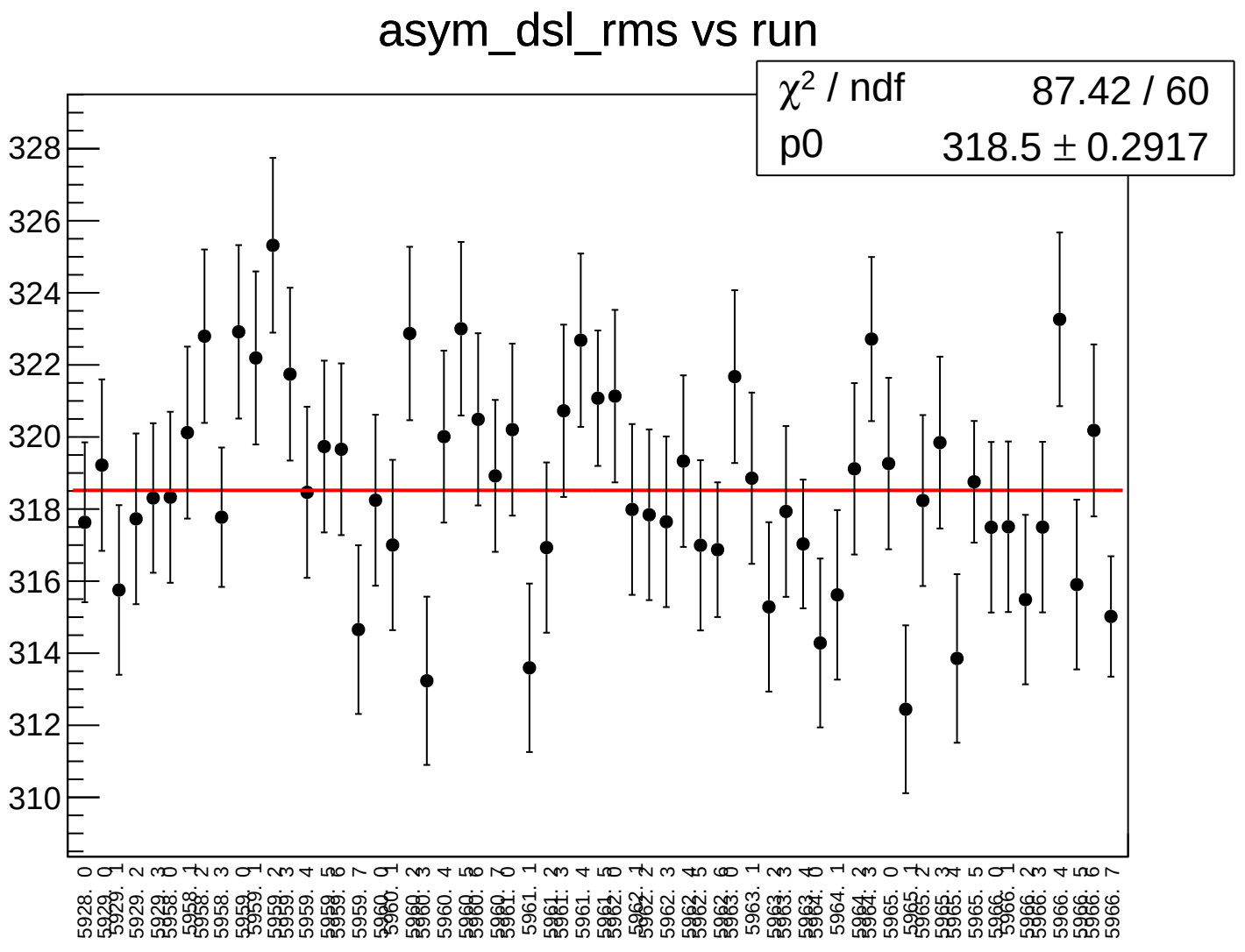

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.99 / 60
p0 −0.1472 ± 0.09866
pull
Entries 61
Mean 1.942e+05
Std Dev 0

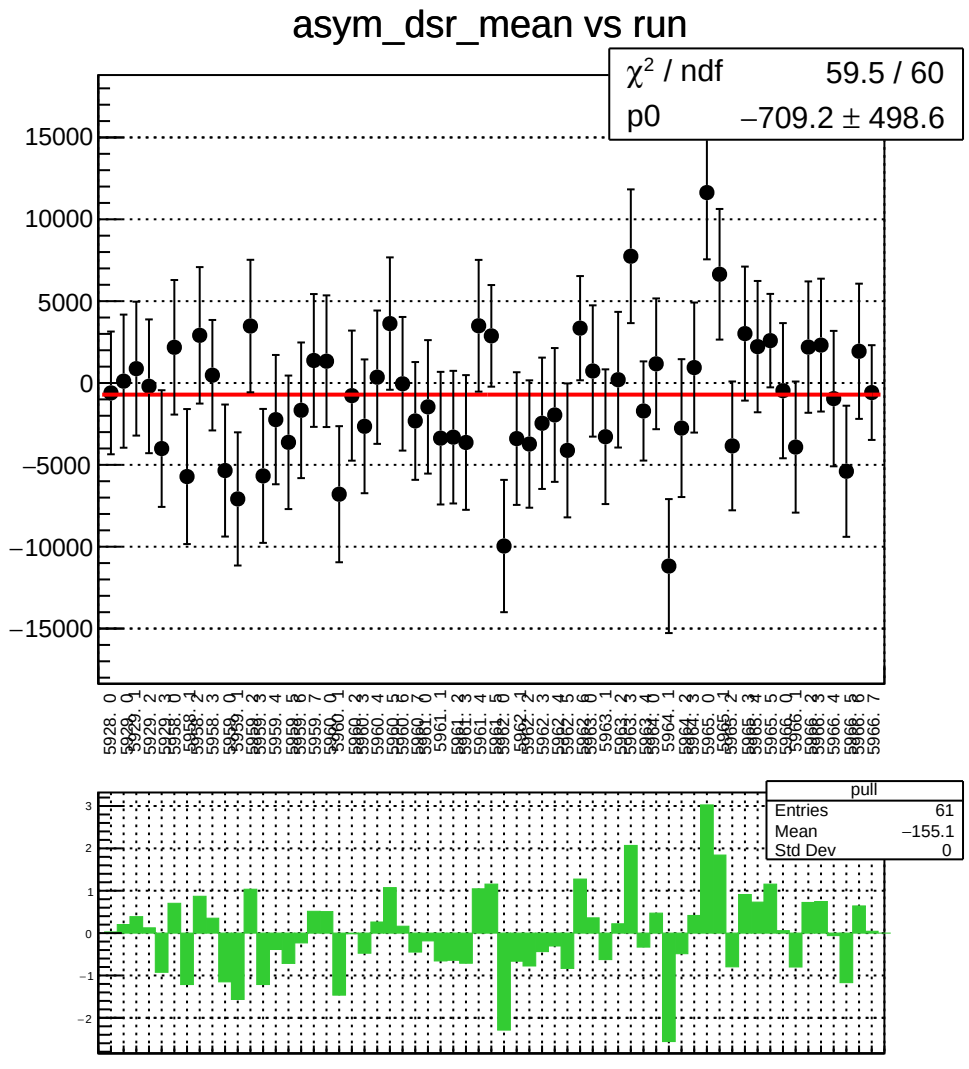

pull1D
Entries 61
Mean 4.97e−06
Std Dev 1.056

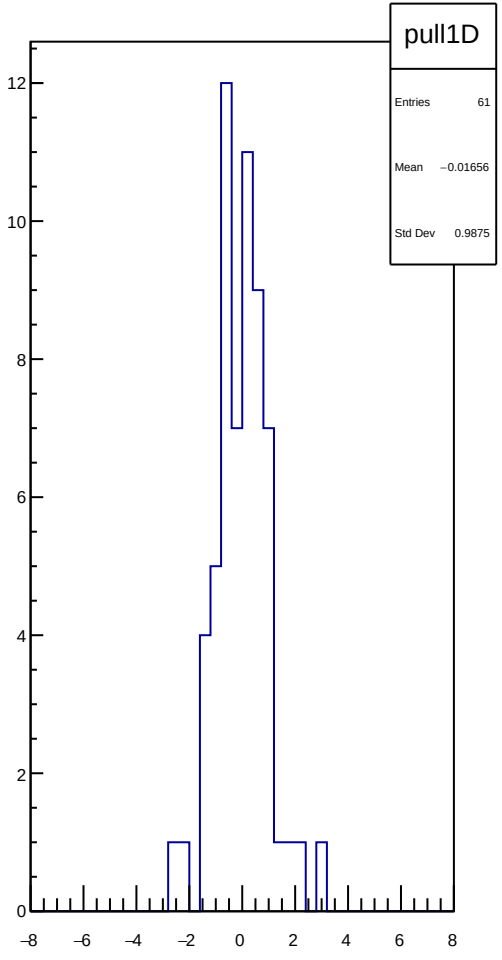

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.448e+04 / 60
p0 75.41 ± 0.06977
100
90
80
70
60
50

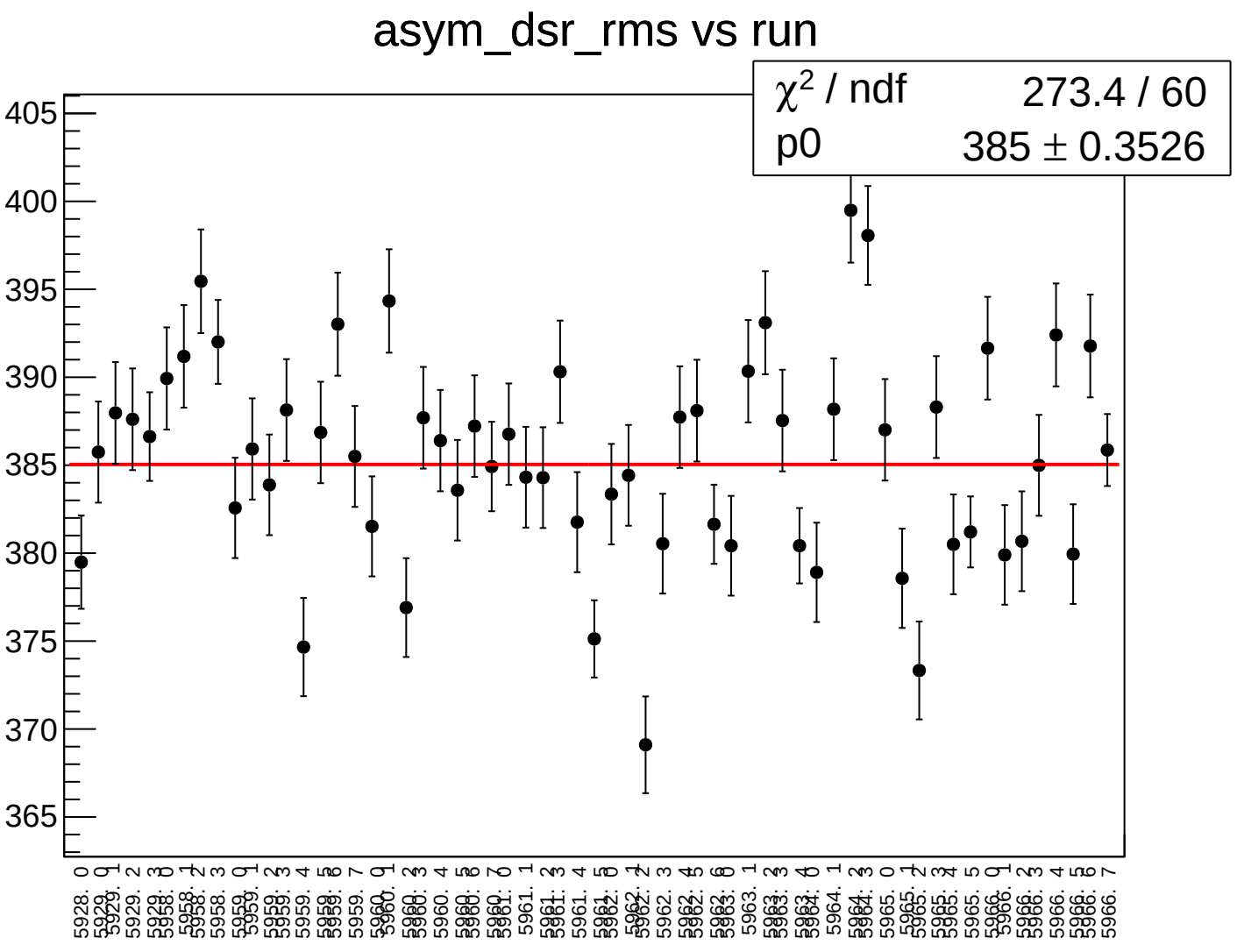

asym_dsl_mean vs run
χ² / ndf 37.87 / 60
p0 −812.7 ± 412.5
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −331.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

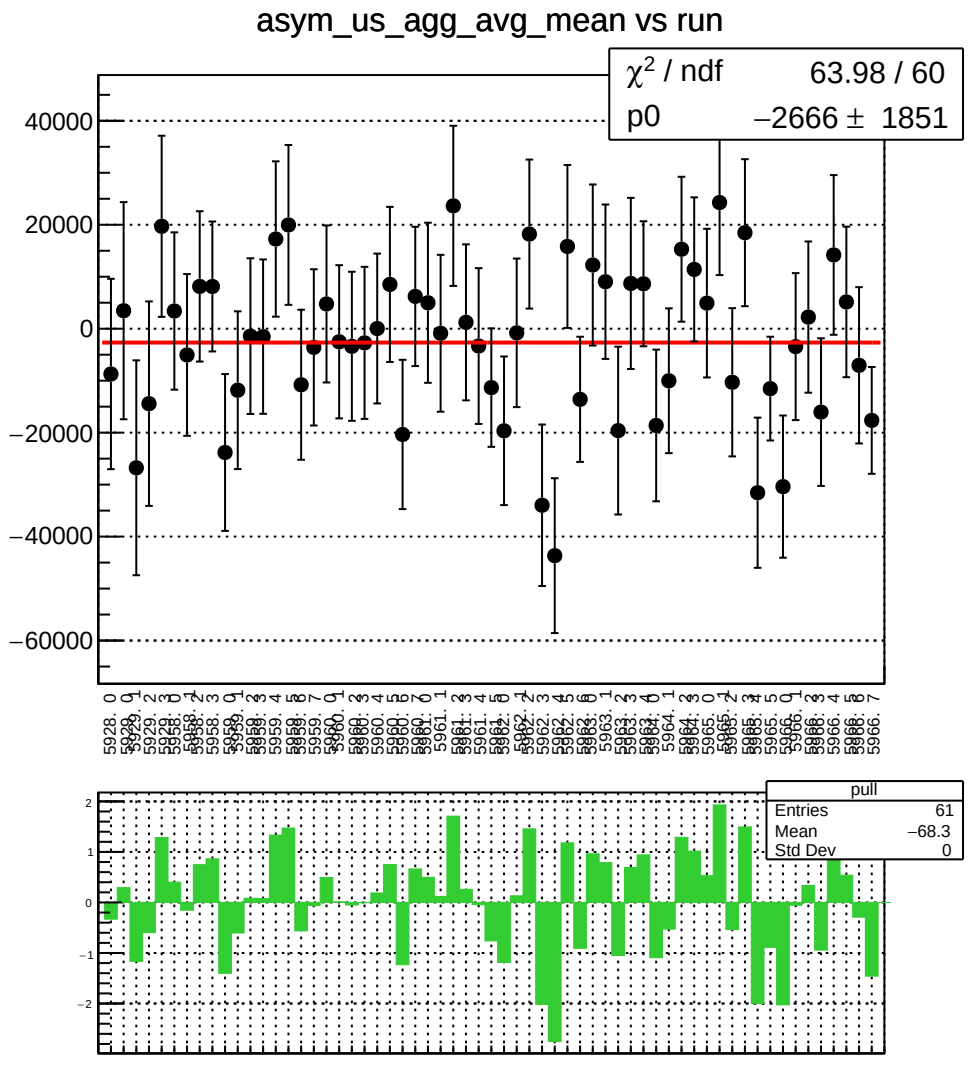

pull1D
Entries 61
Mean 0.01137
Std Dev 0.7878
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

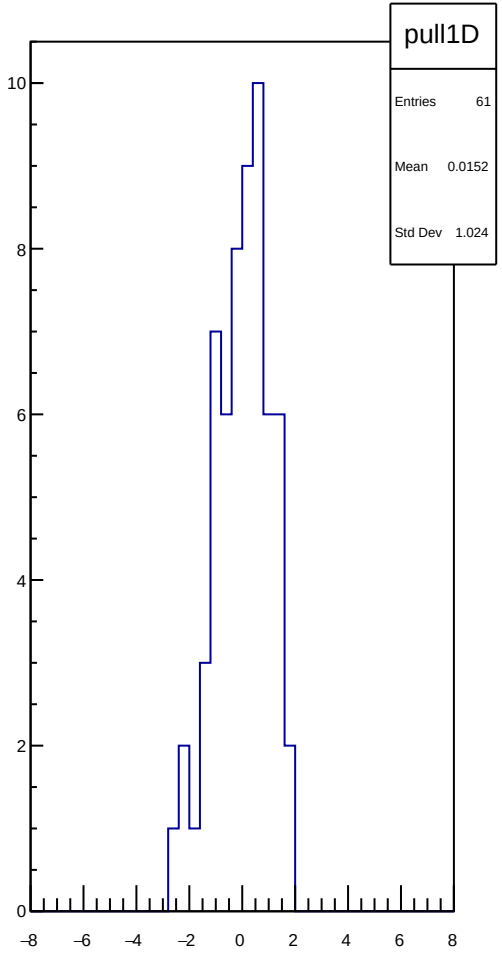

asym_dsl_rms vs run
χ² / ndf 87.42 / 60
p0 318.5 ± 0.2917
328
326
324
322
320
318
316
314
312
310

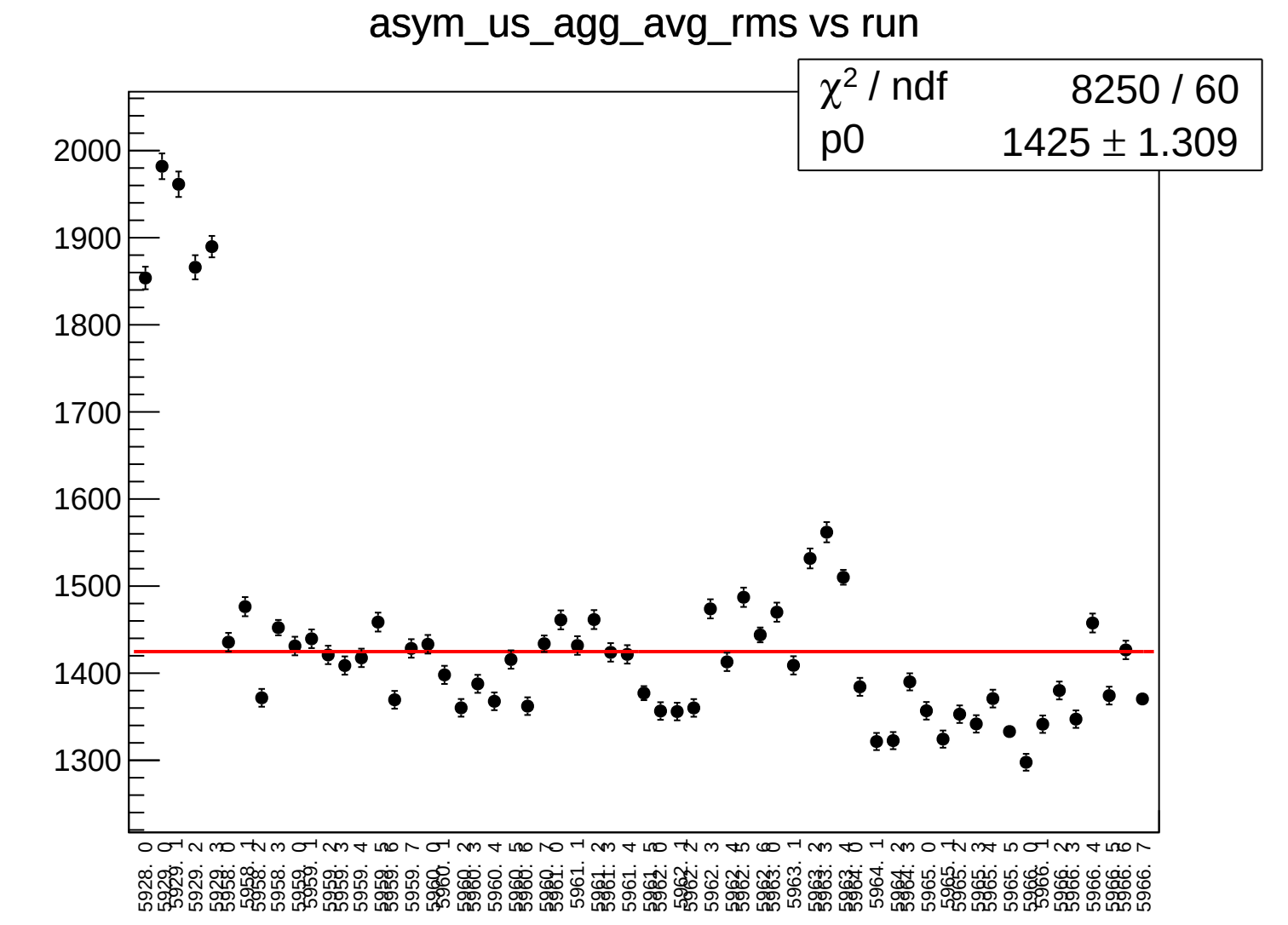

asym_dsr_mean vs run
χ² / ndf 59.5 / 60
p0 −709.2 ± 498.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean −155.1
Std Dev 0
3
2
1
0
−1
−2

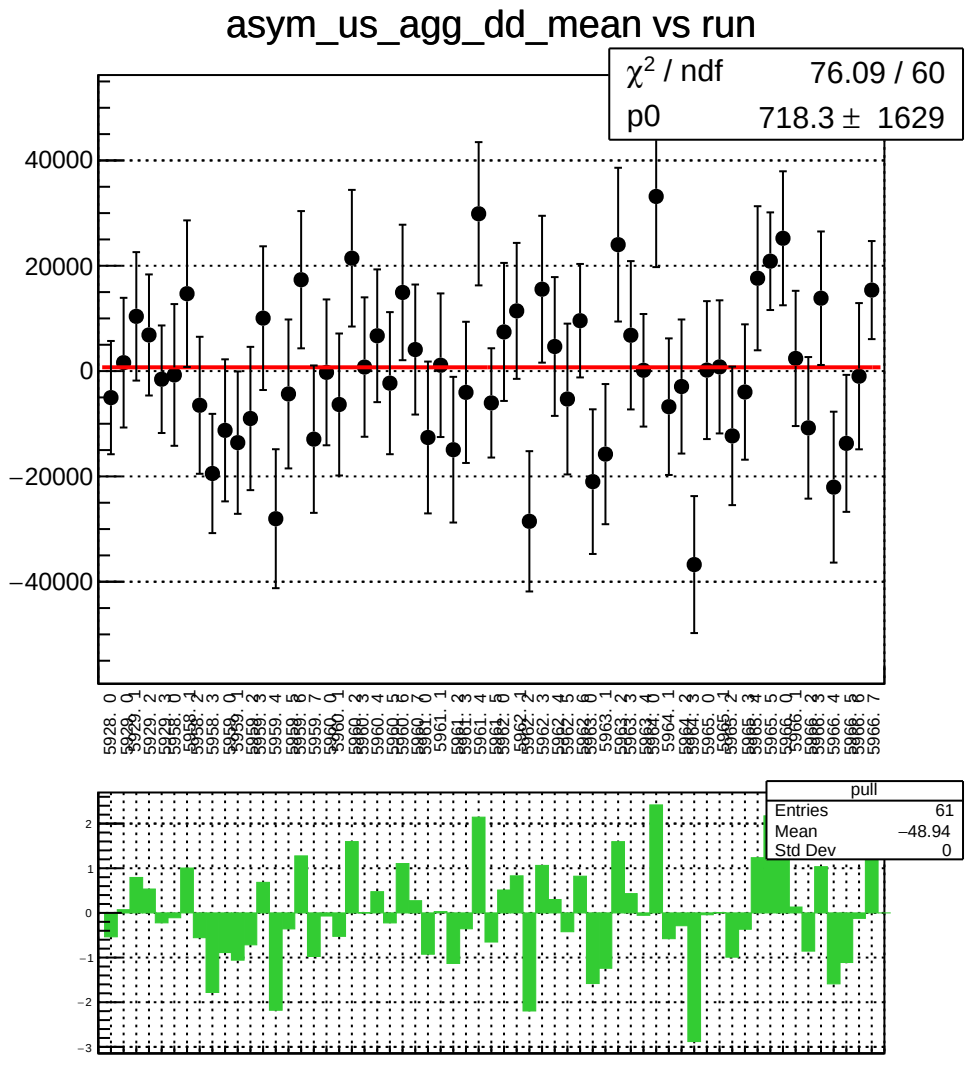

pull1D
Entries 61
Mean −0.01656
Std Dev 0.9875
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

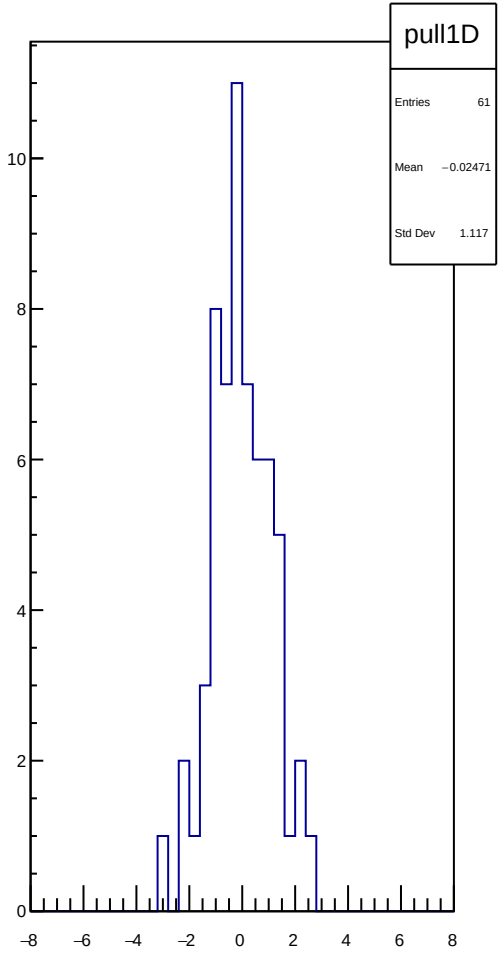

asym_dsr_rms vs run
χ^2 / ndf 273.4 / 60
p0 385 ± 0.3526
405
400
395
390
385
380
375
370
365

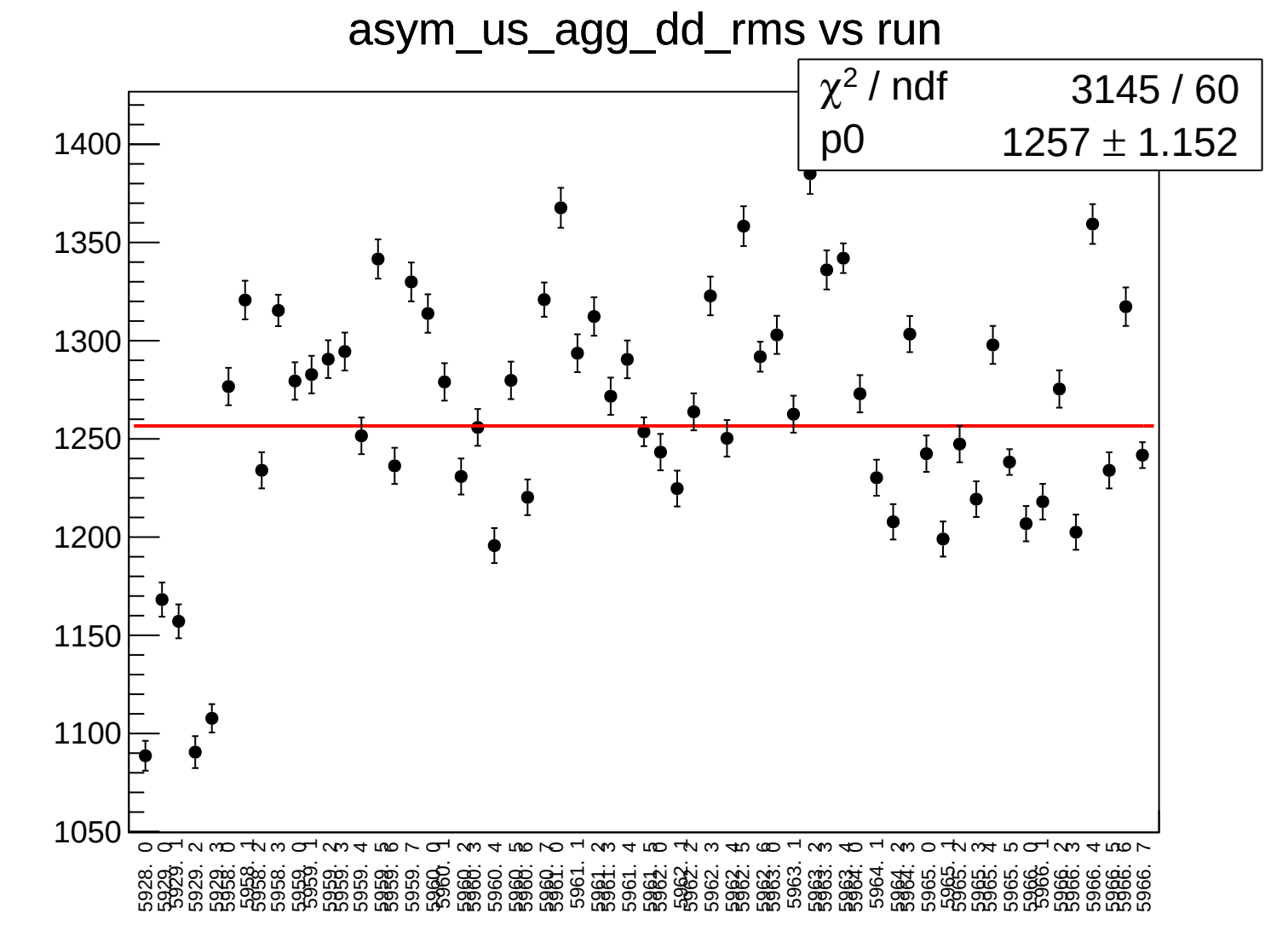

asym_us_agg_avg_mean vs run
χ^2 / ndf 63.98 / 60
p0 −2666 ± 1851
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −68.3
Std Dev 0
2
1
0
−1
−2

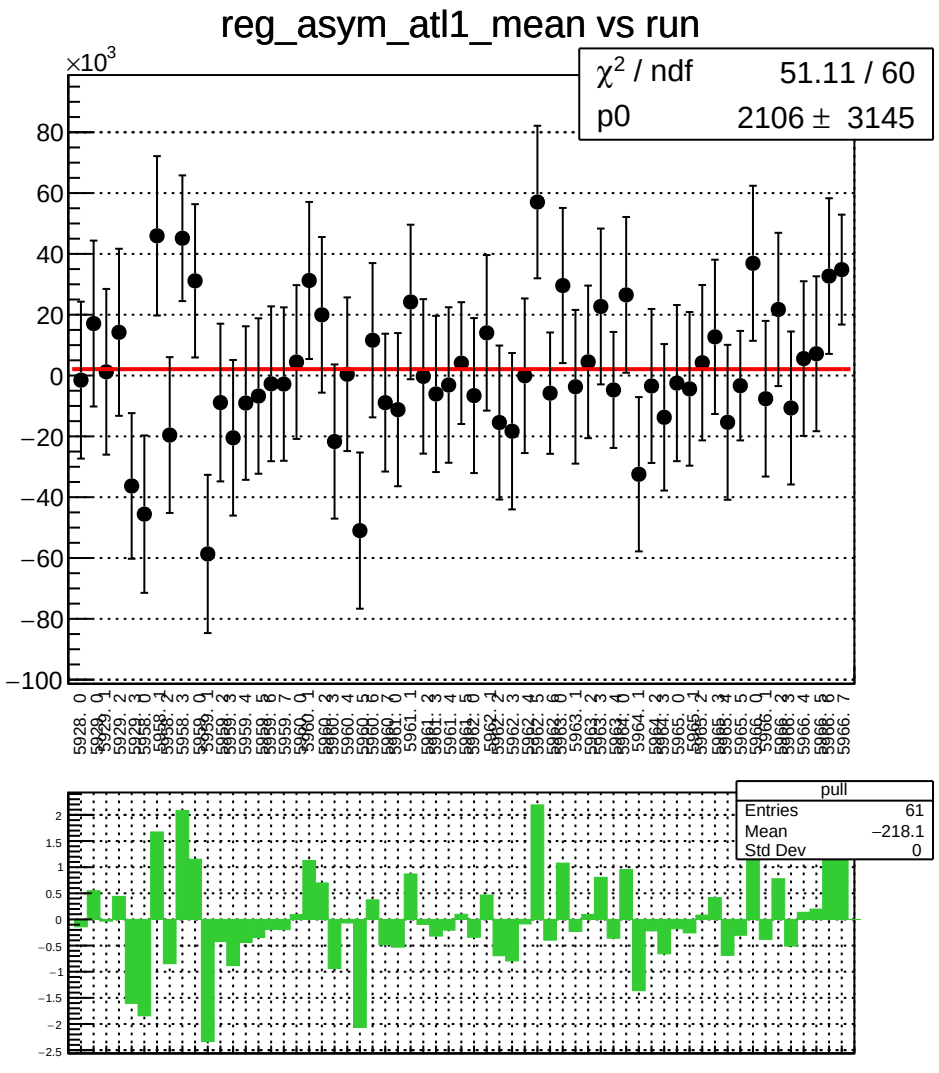

pull1D
Entries 61
Mean 0.0152
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

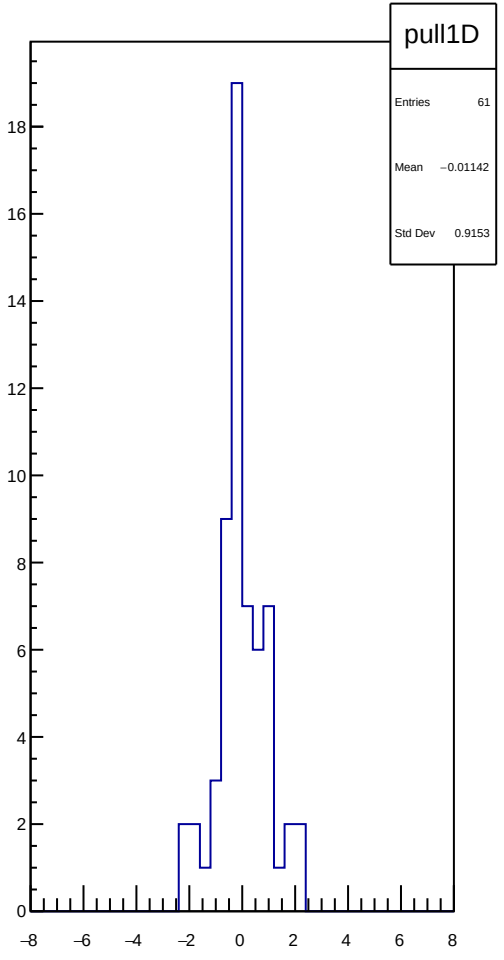

asym_us_agg_avg_rms vs run
χ^2 / ndf 8250 / 60
p0 1425 ± 1.309
2000
1900
1800
1700
1600
1500
1400
1300

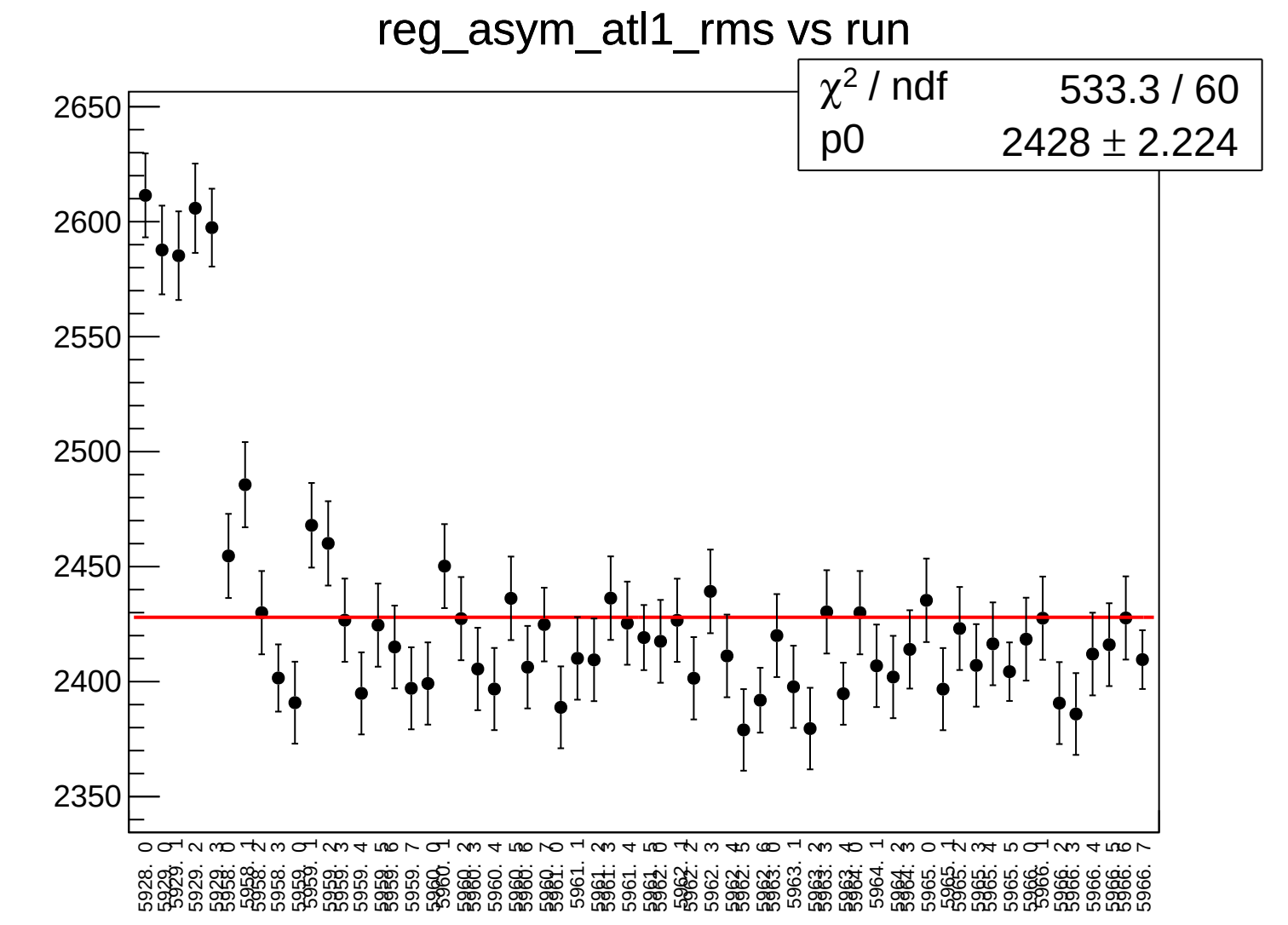

asym_us_agg_dd_mean vs run
χ² / ndf 76.09 / 60
p0 718.3 ± 1629
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −48.94
Std Dev 0
2
1
0
−1
−2
−3

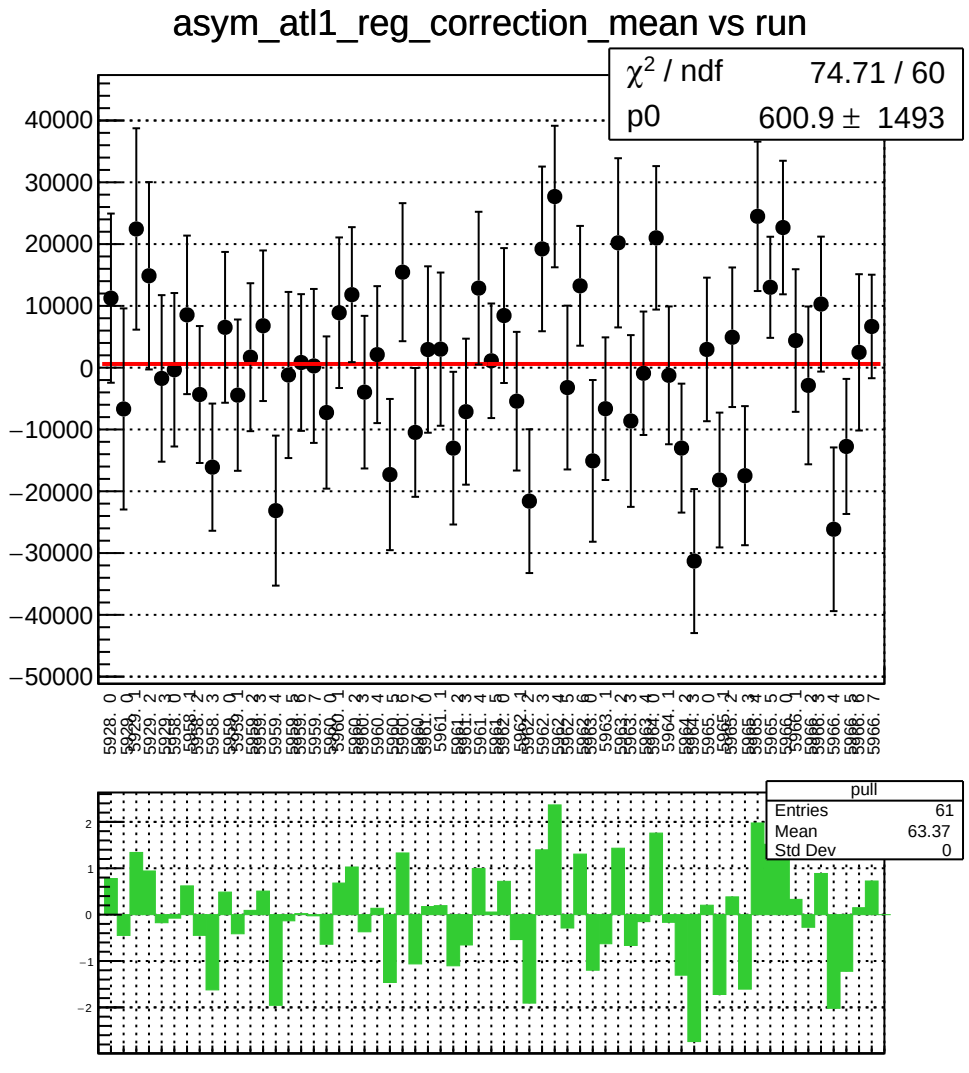

pull1D
Entries 61
Mean −0.02471
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

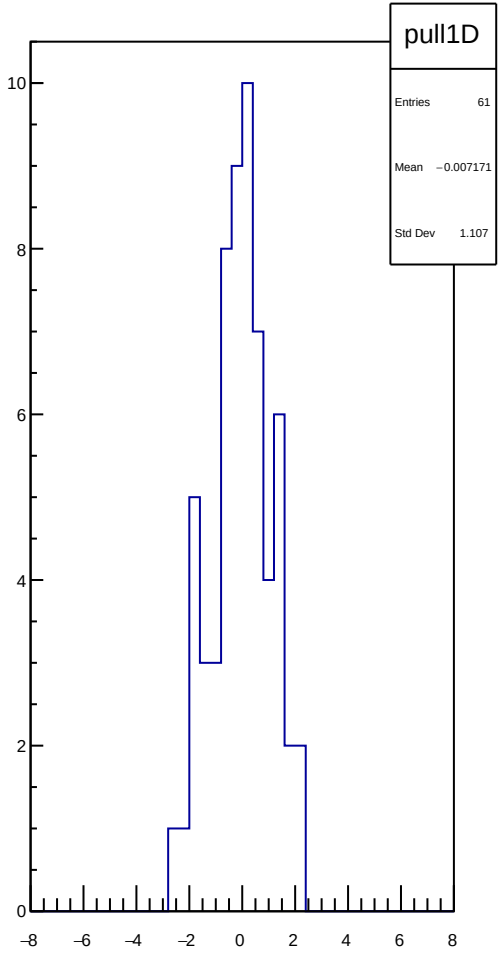

asym_us_agg_dd_rms vs run
χ² / ndf 3145 / 60
p0 1257 ± 1.152
1400
1350
1300
1250
1200
1150
1100
1050

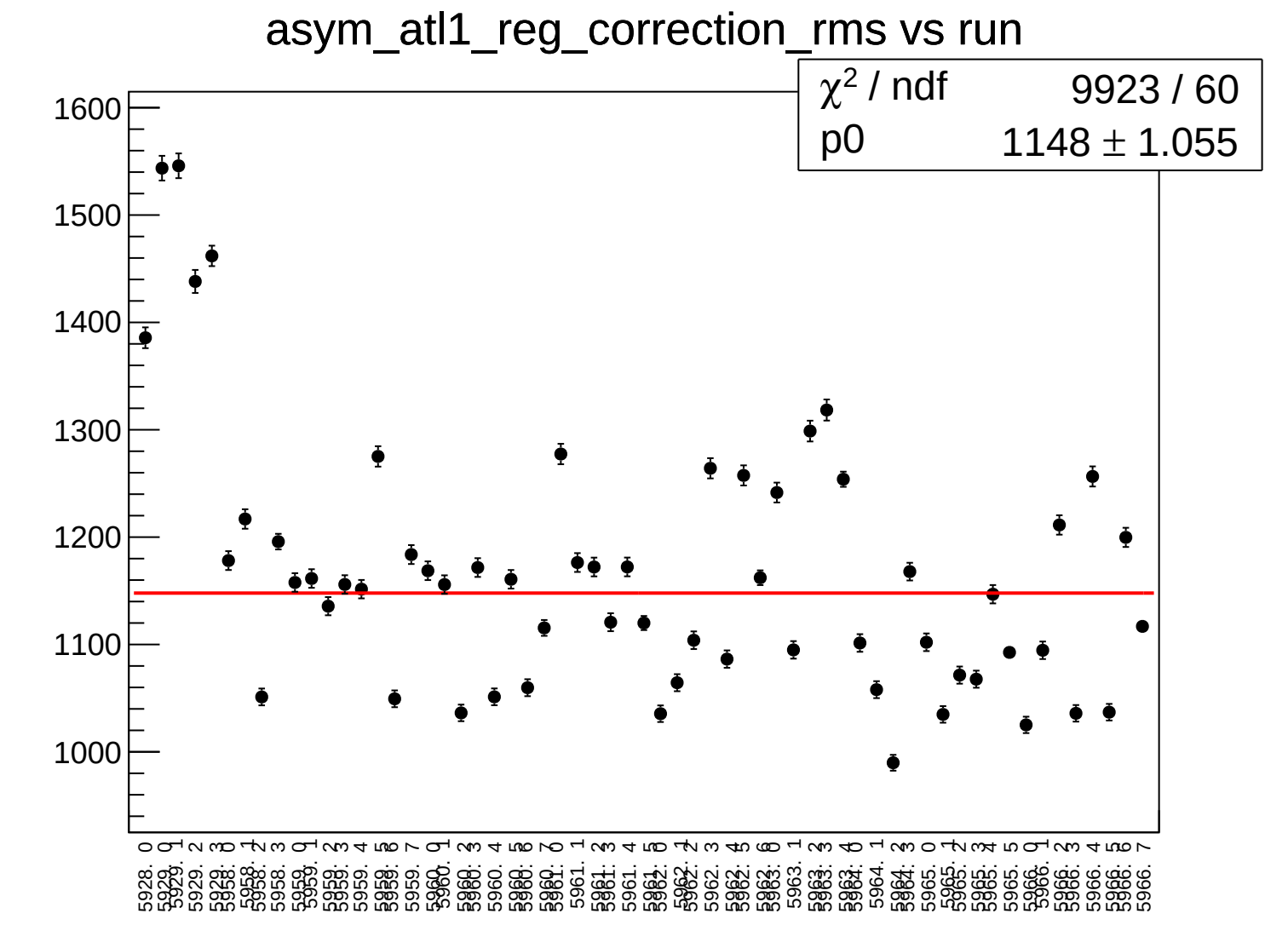

reg_asym_atl1_mean vs run
χ² / ndf 51.11 / 60
p0 2106 ± 3145
×10³
pull
Entries 61
Mean −218.1
Std Dev 0

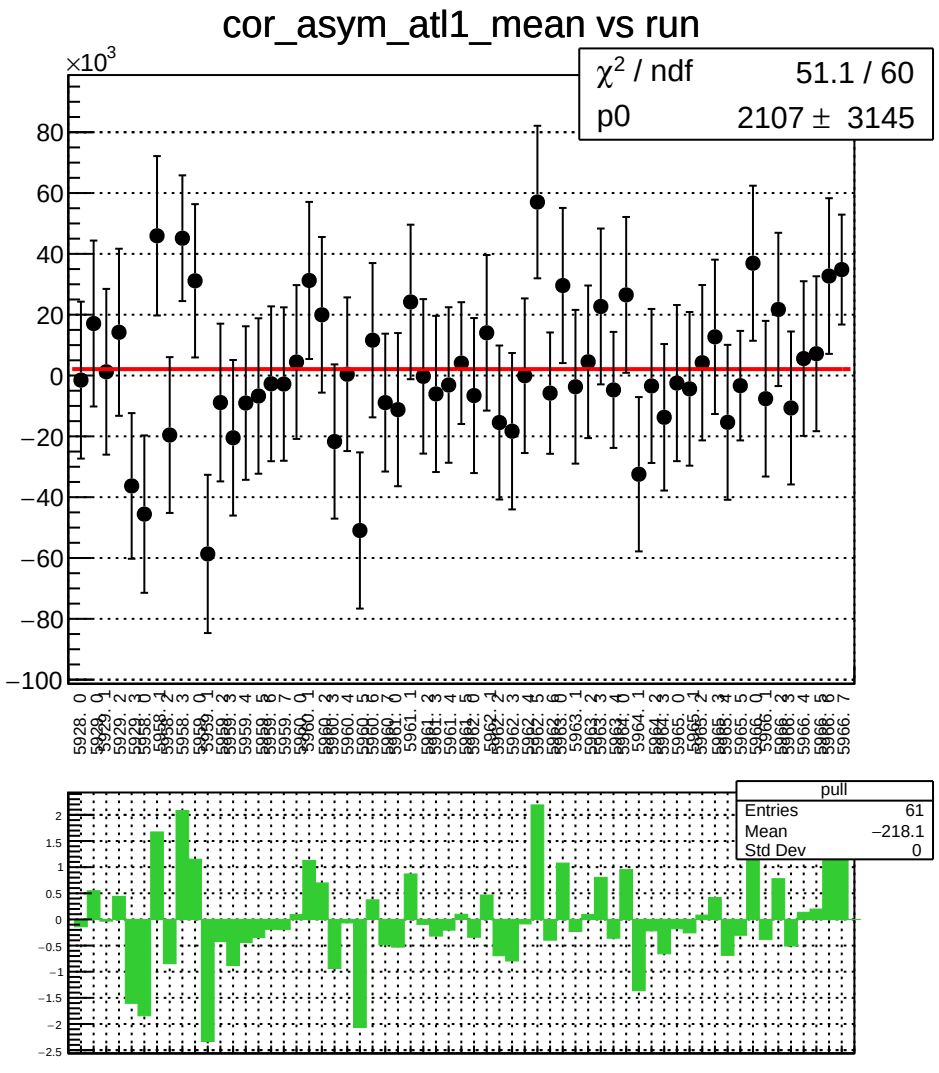

pull1D
Entries 61
Mean −0.01142
Std Dev 0.9153

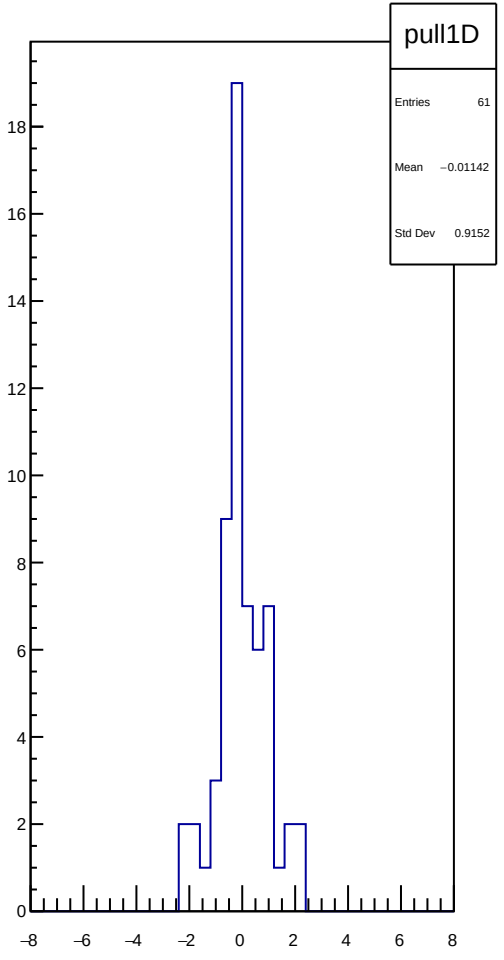

reg_asym_atl1_rms vs run
χ² / ndf 533.3 / 60
p0 2428 ± 2.224
2650
2600
2550
2500
2450
2400
2350

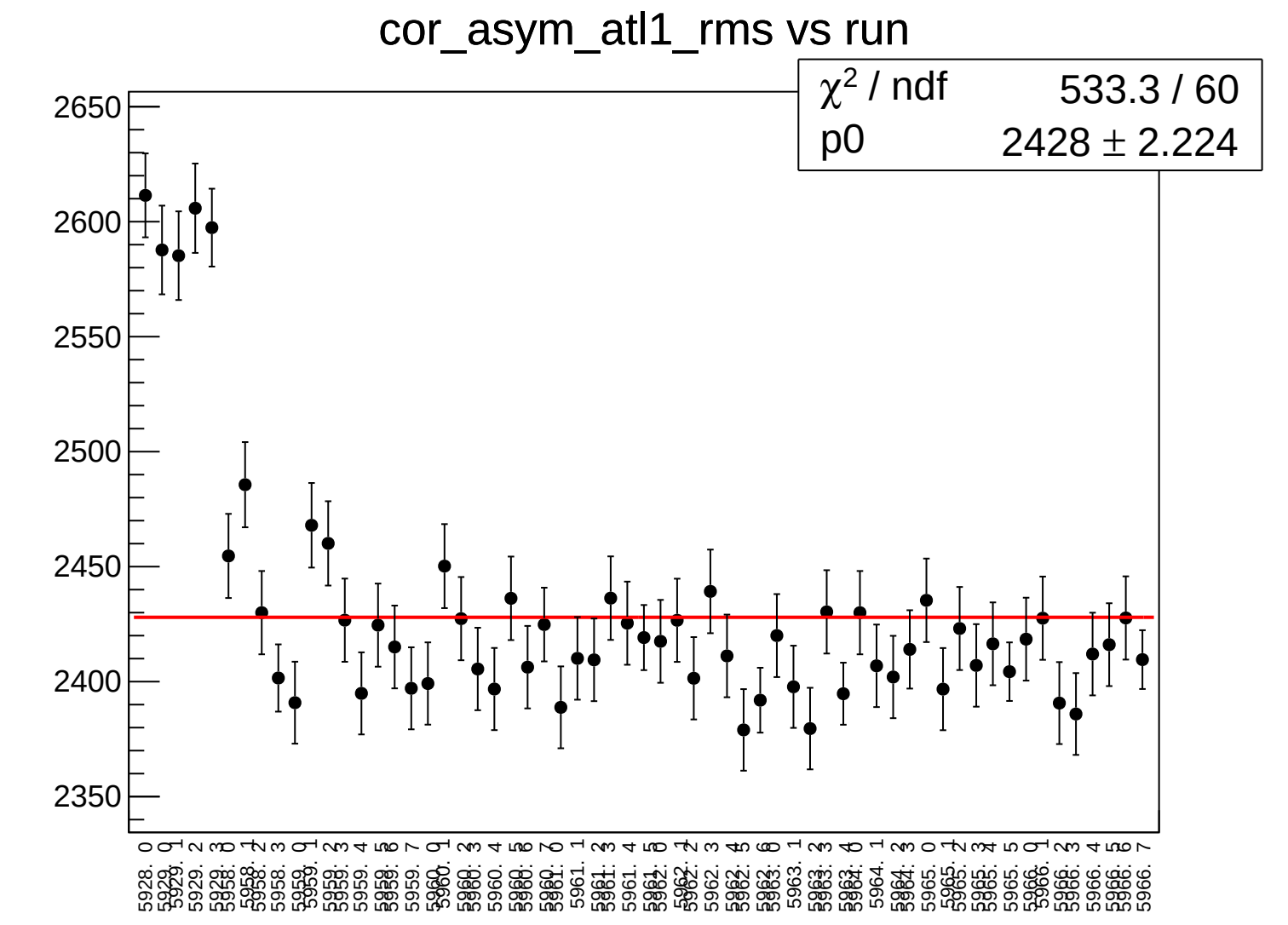

asym_atl1_reg_correction_mean vs run
χ² / ndf 74.71 / 60
p0 600.9 ± 1493
pull
Entries 61
Mean 63.37
Std Dev 0

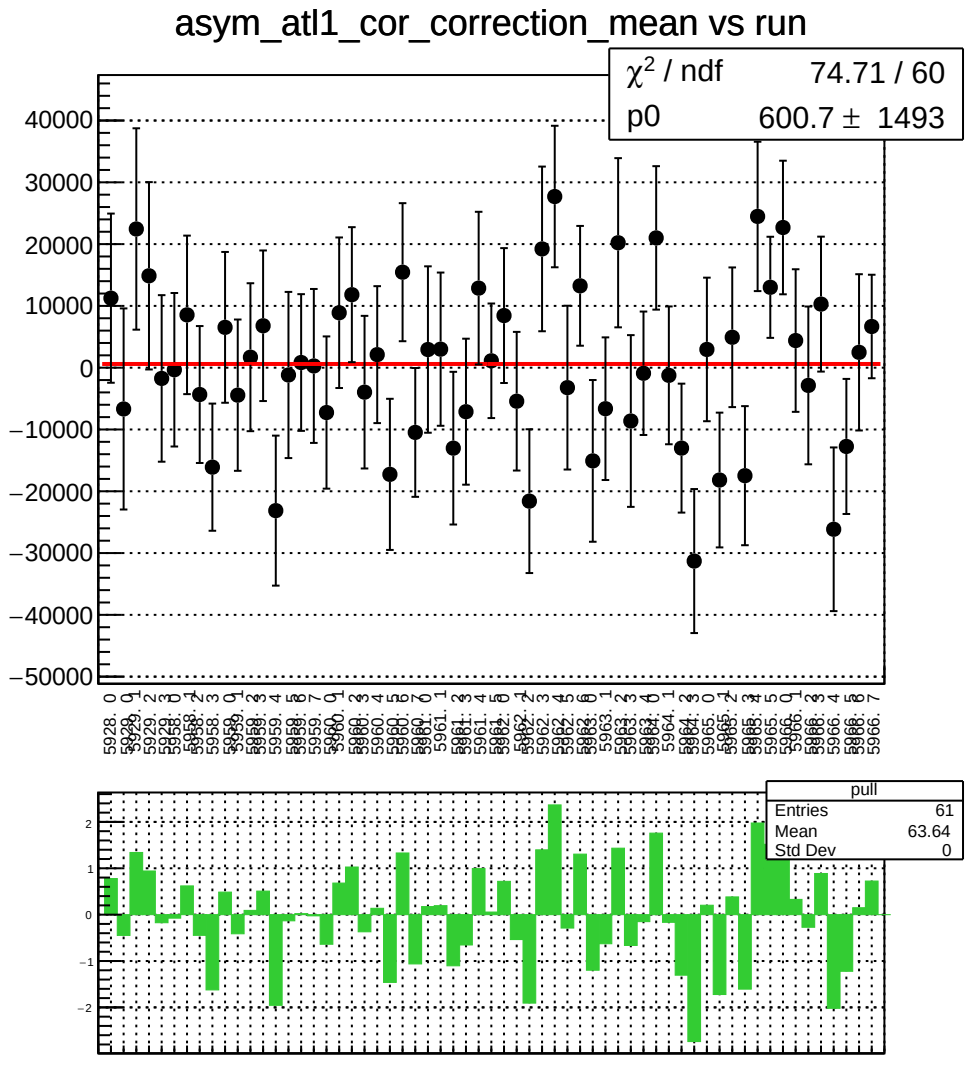

pull1D
Entries 61
Mean −0.007171
Std Dev 1.107

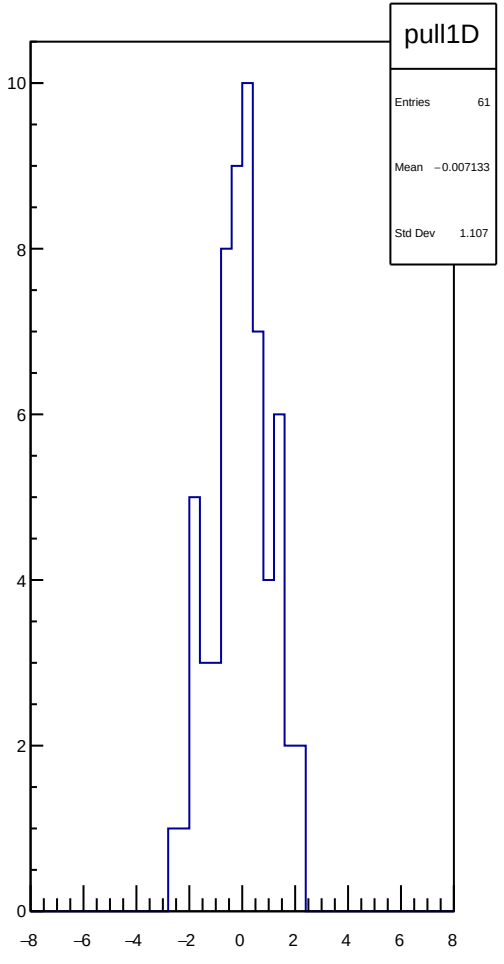

asym_atl1_reg_correction_rms vs run
χ² / ndf 9923 / 60
p0 1148 ± 1.055
1600
1500
1400
1300
1200
1100
1000

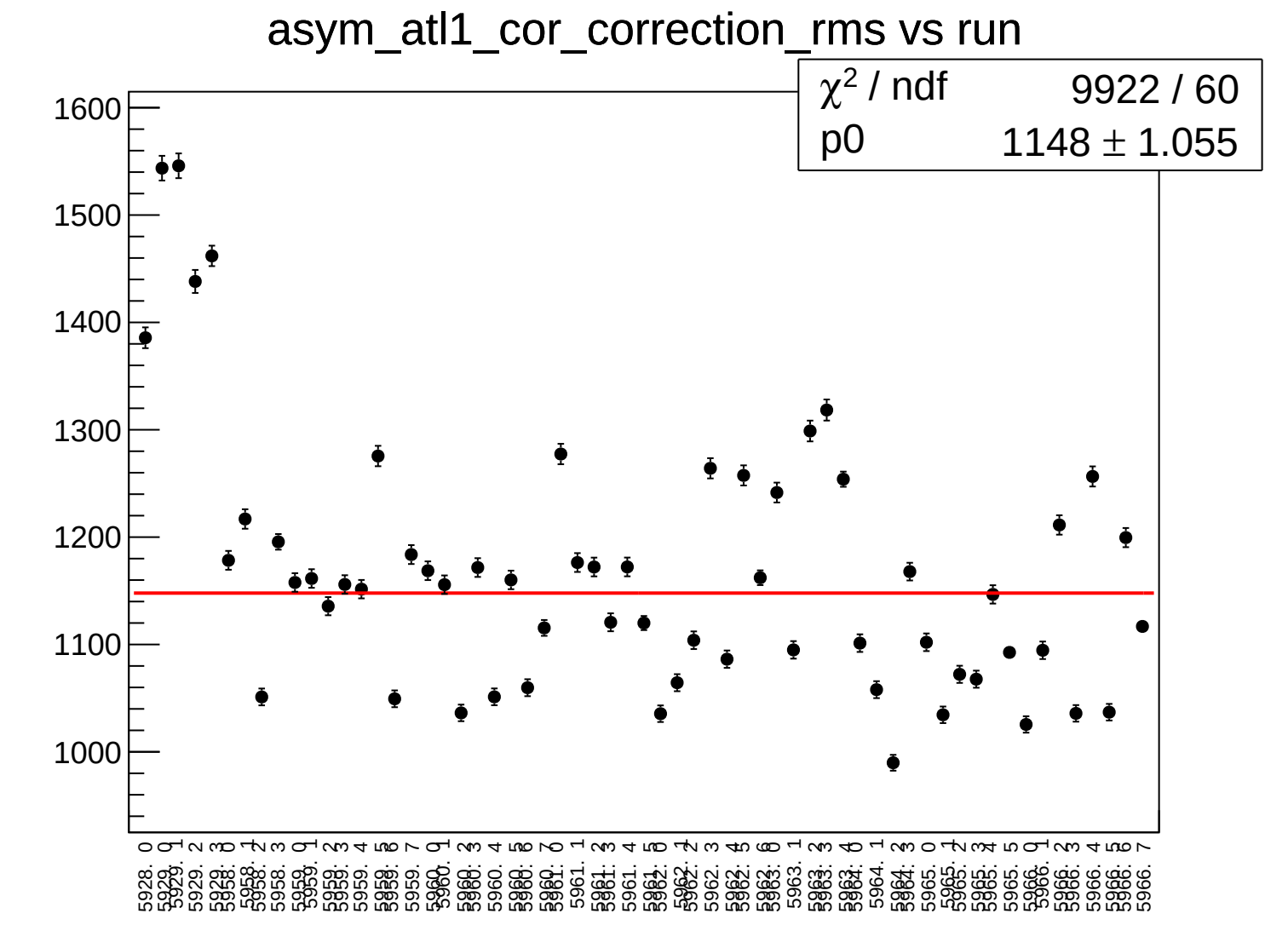

cor_asym_atl1_mean vs run
χ² / ndf 51.1 / 60
p0 2107 ± 3145
×10³
pull
Entries 61
Mean −218.1
Std Dev 0

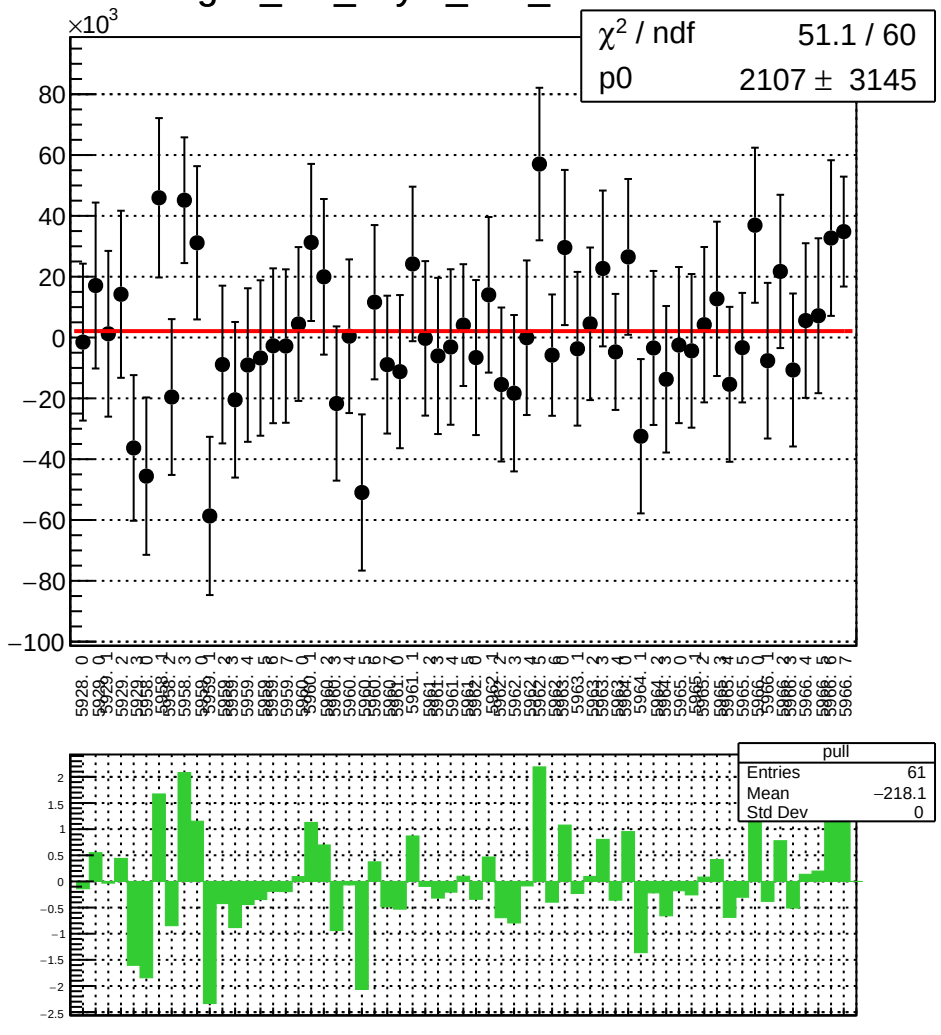

pull1D
Entries 61
Mean −0.01142
Std Dev 0.9152

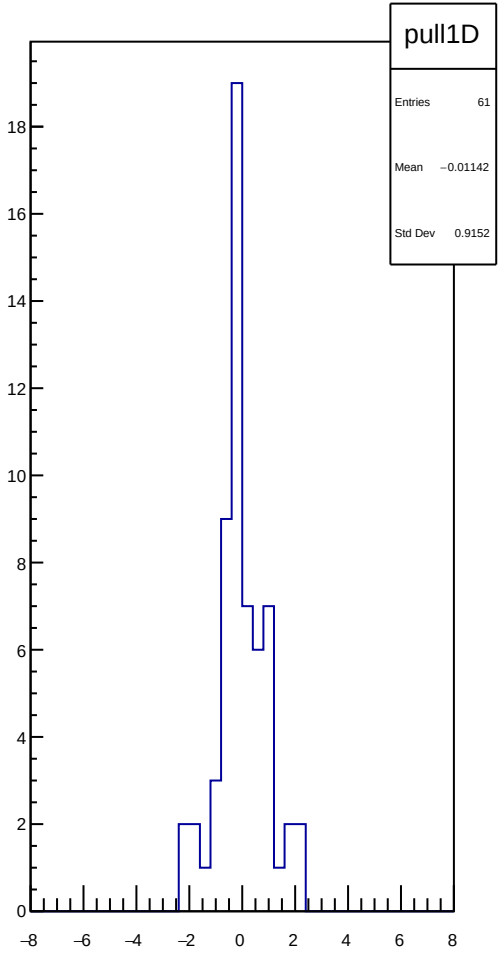

cor_asym_atl1_rms vs run
χ² / ndf 533.3 / 60
p0 2428 ± 2.224
2650
2600
2550
2500
2450
2400
2350

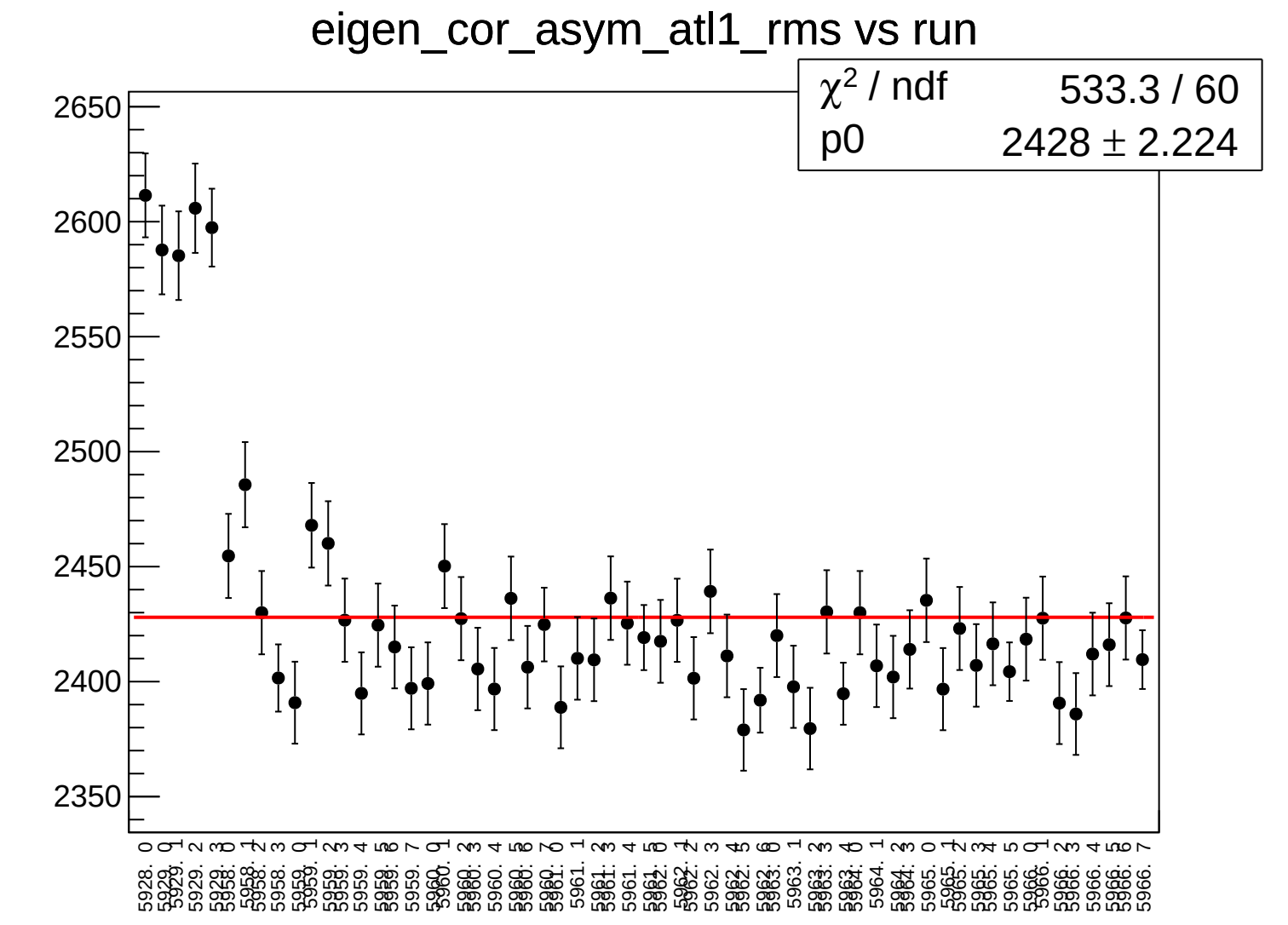

asym_atl1_cor_correction_mean vs run
χ² / ndf 74.71 / 60
p0 600.7 ± 1493
pull
Entries 61
Mean 63.64
Std Dev 0

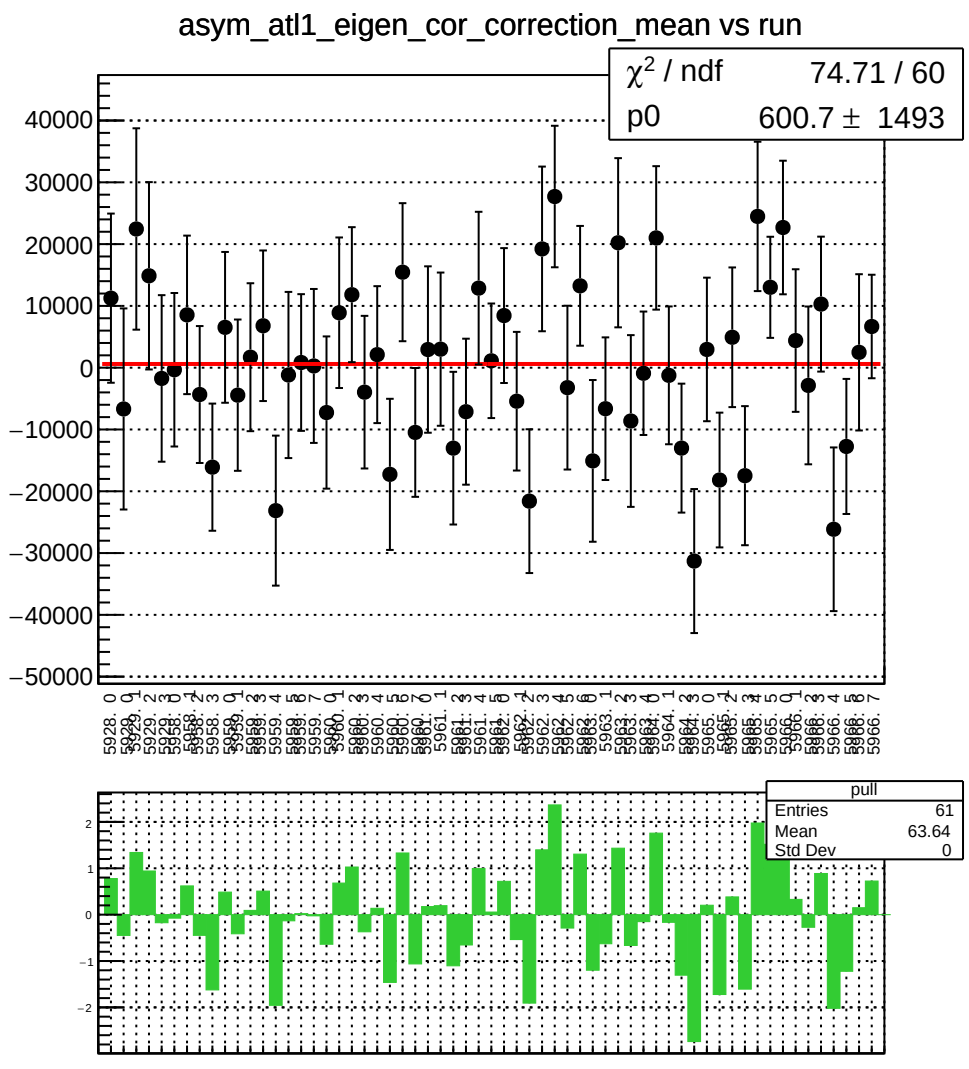

pull1D
Entries 61
Mean −0.007133
Std Dev 1.107

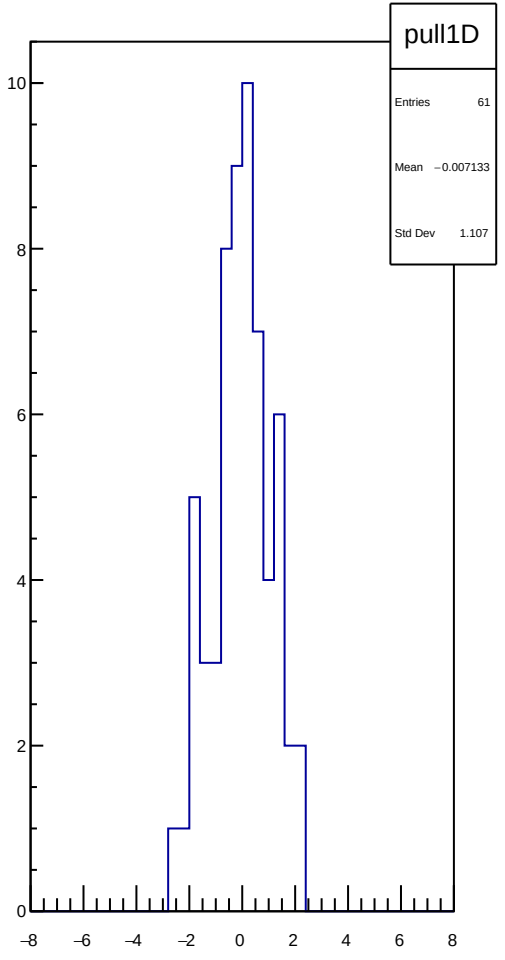

asym_atl1_cor_correction_rms vs run
χ² / ndf 9922 / 60
p0 1148 ± 1.055
1600
1500
1400
1300
1200
1100
1000

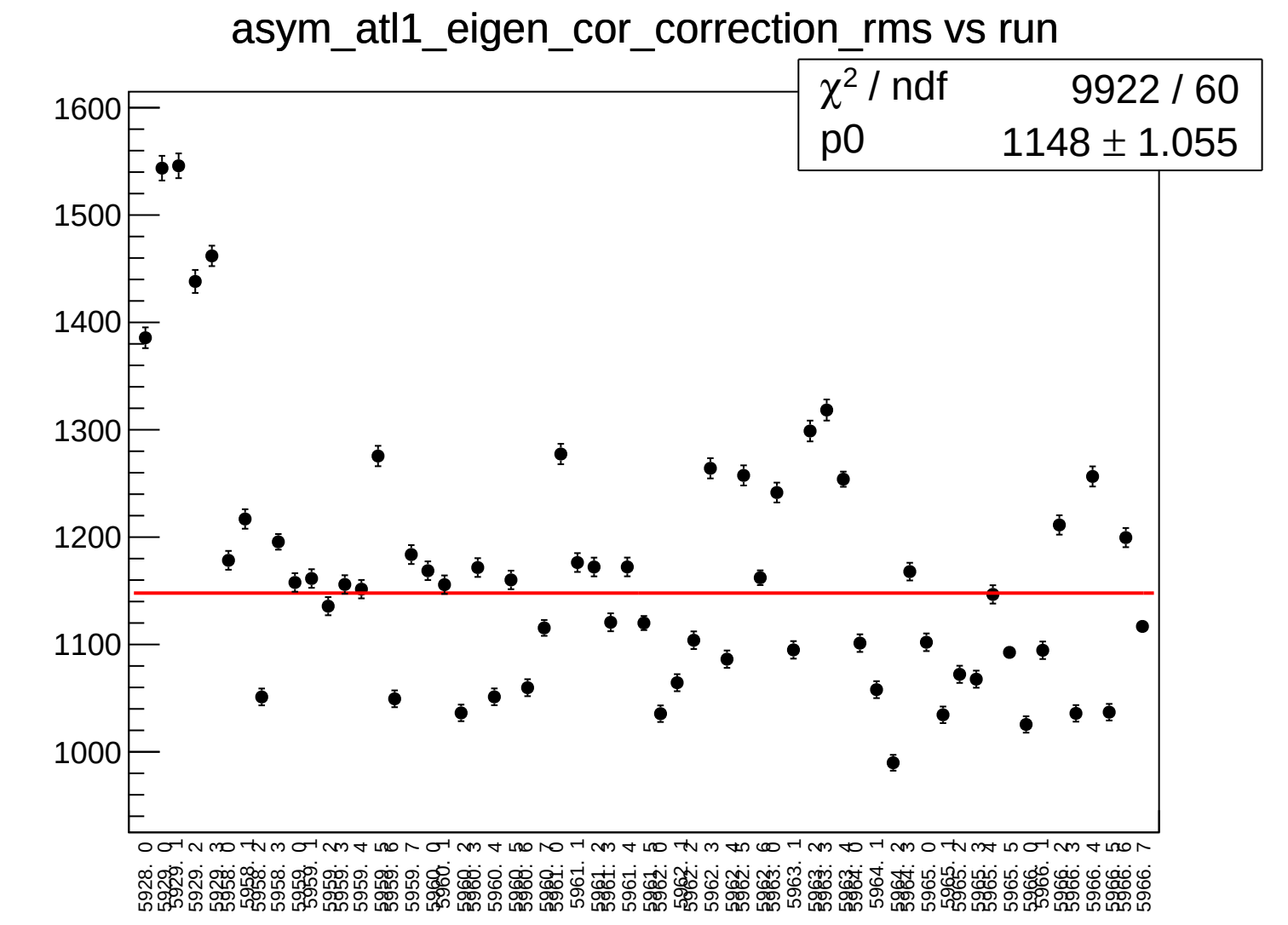

eigen_cor_asym_atl1_mean vs run
χ² / ndf 51.1 / 60
p0 2107 ± 3145
pull
Entries 61
Mean −218.1
Std Dev 0

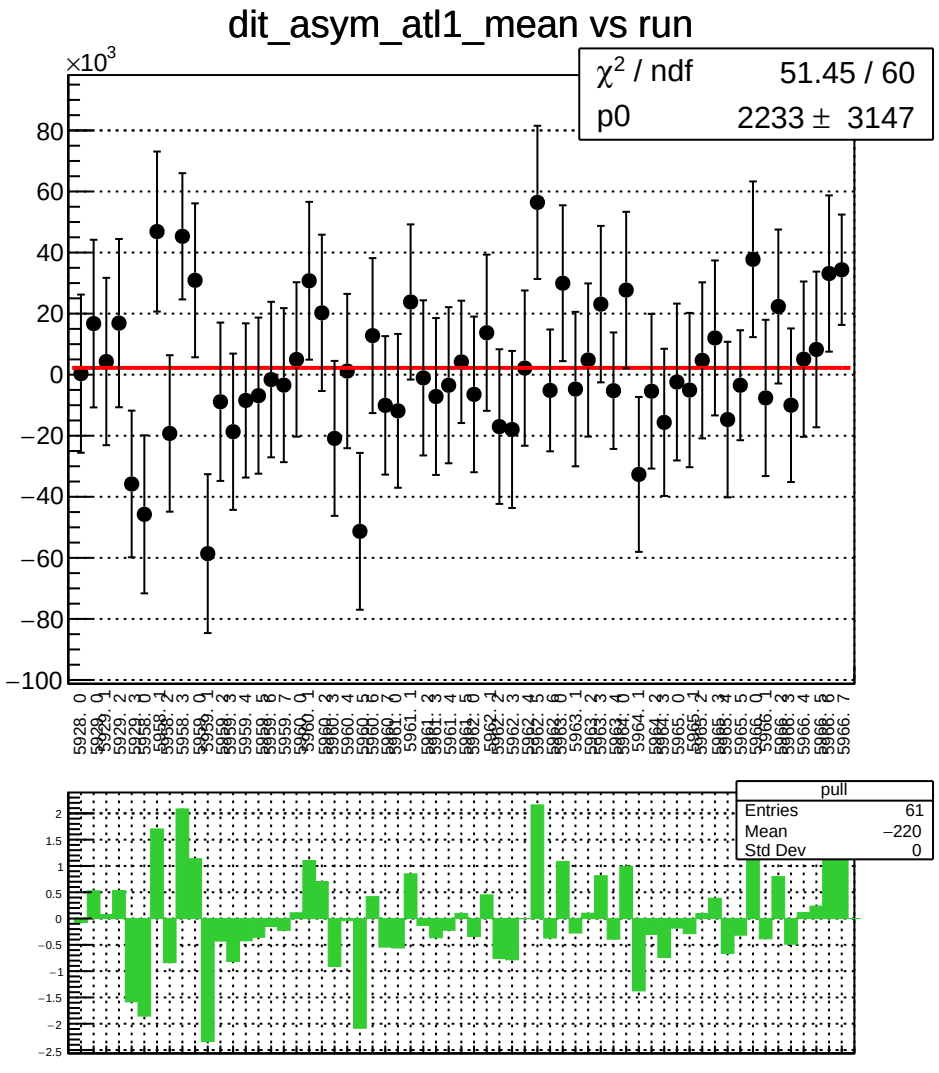

pull1D
Entries 61
Mean −0.01142
Std Dev 0.9152

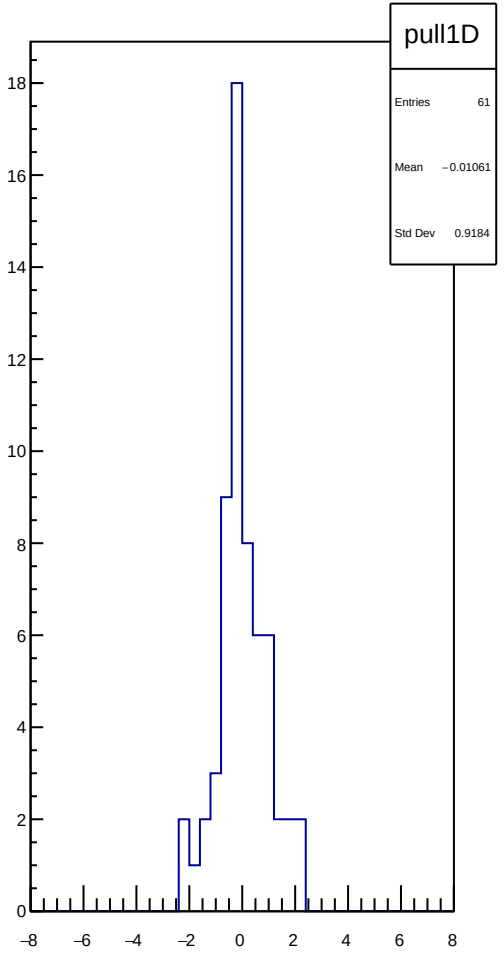

eigen_cor_asym_atl1_rms vs run
χ² / ndf 533.3 / 60
p0 2428 ± 2.224
2650
2600
2550
2500
2450
2400
2350

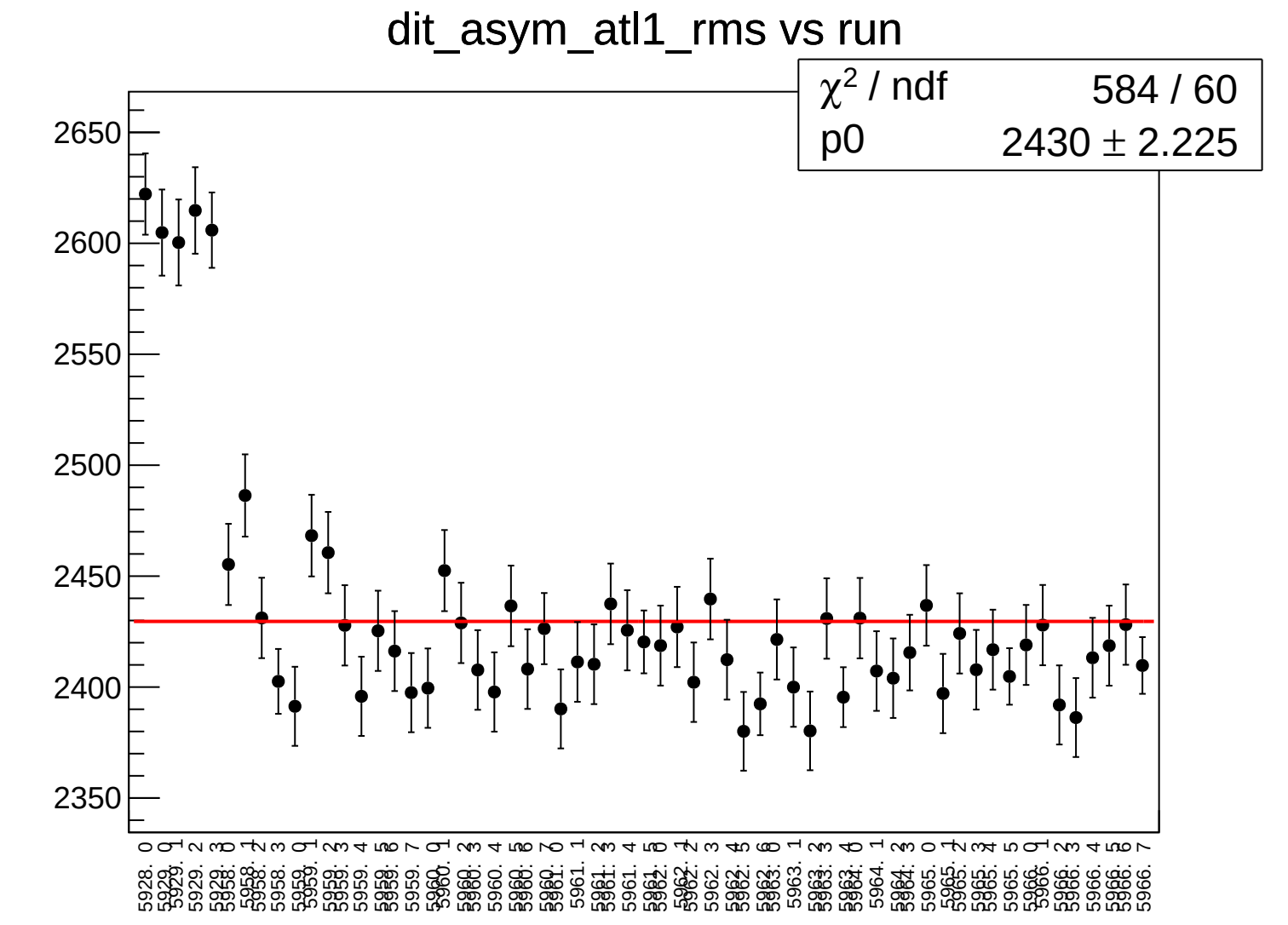

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 74.71 / 60
p0 600.7 ± 1493
pull
Entries 61
Mean 63.64
Std Dev 0

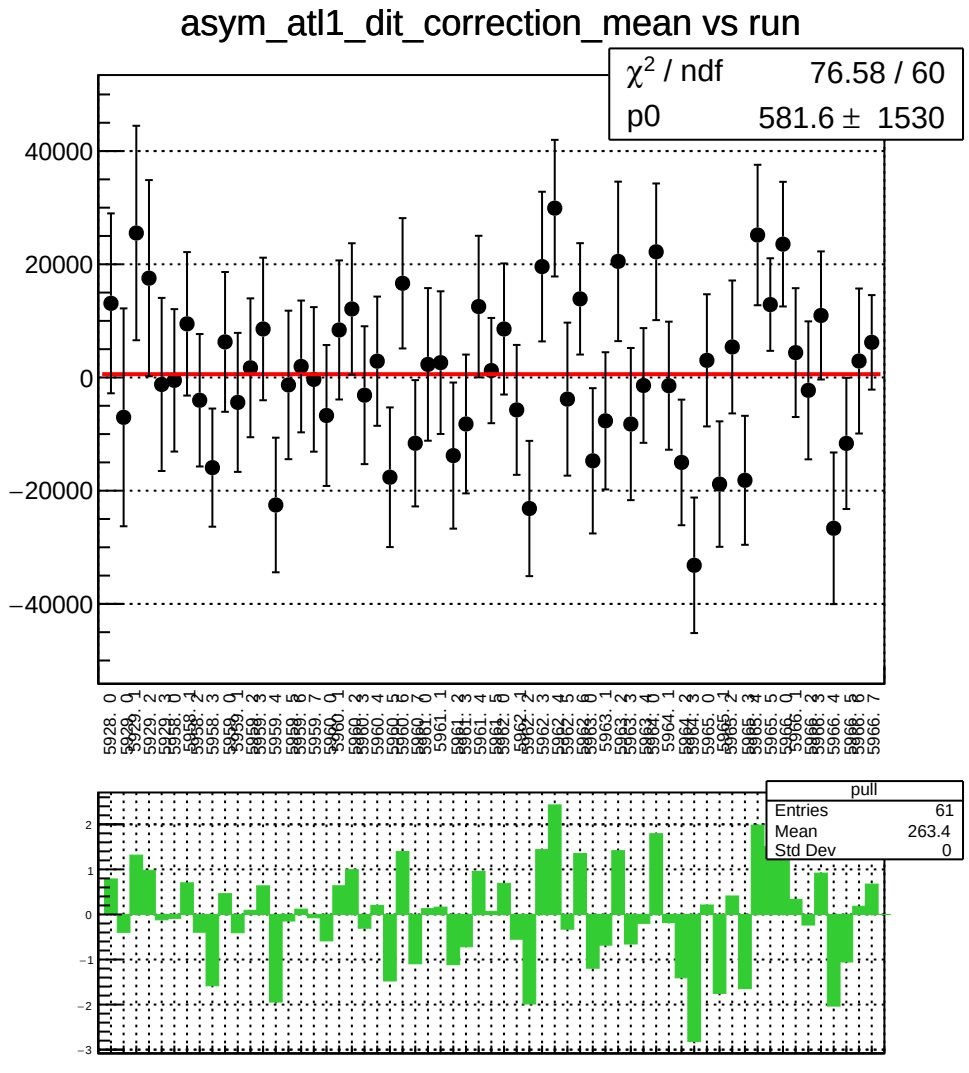

pull1D
Entries 61
Mean −0.007133
Std Dev 1.107

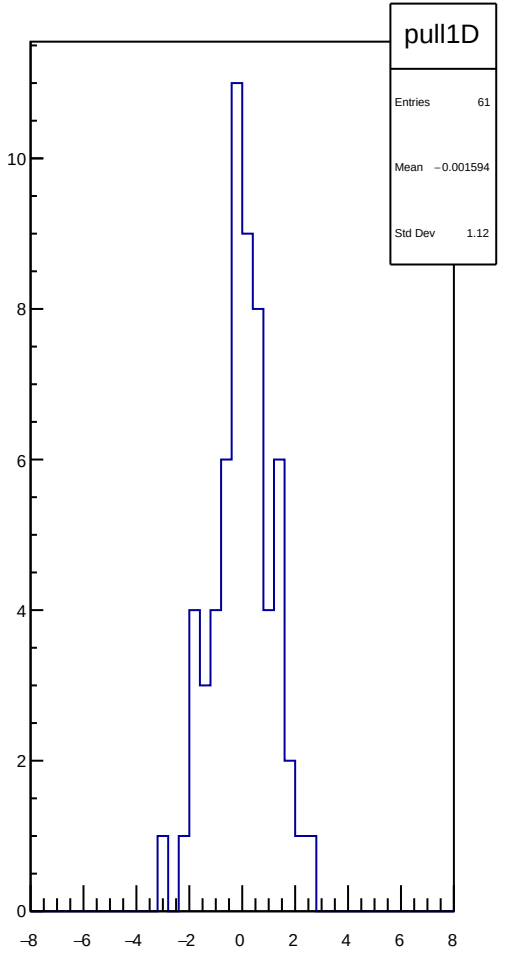

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 9922 / 60
p0 1148 ± 1.055
1600
1500
1400
1300
1200
1100
1000

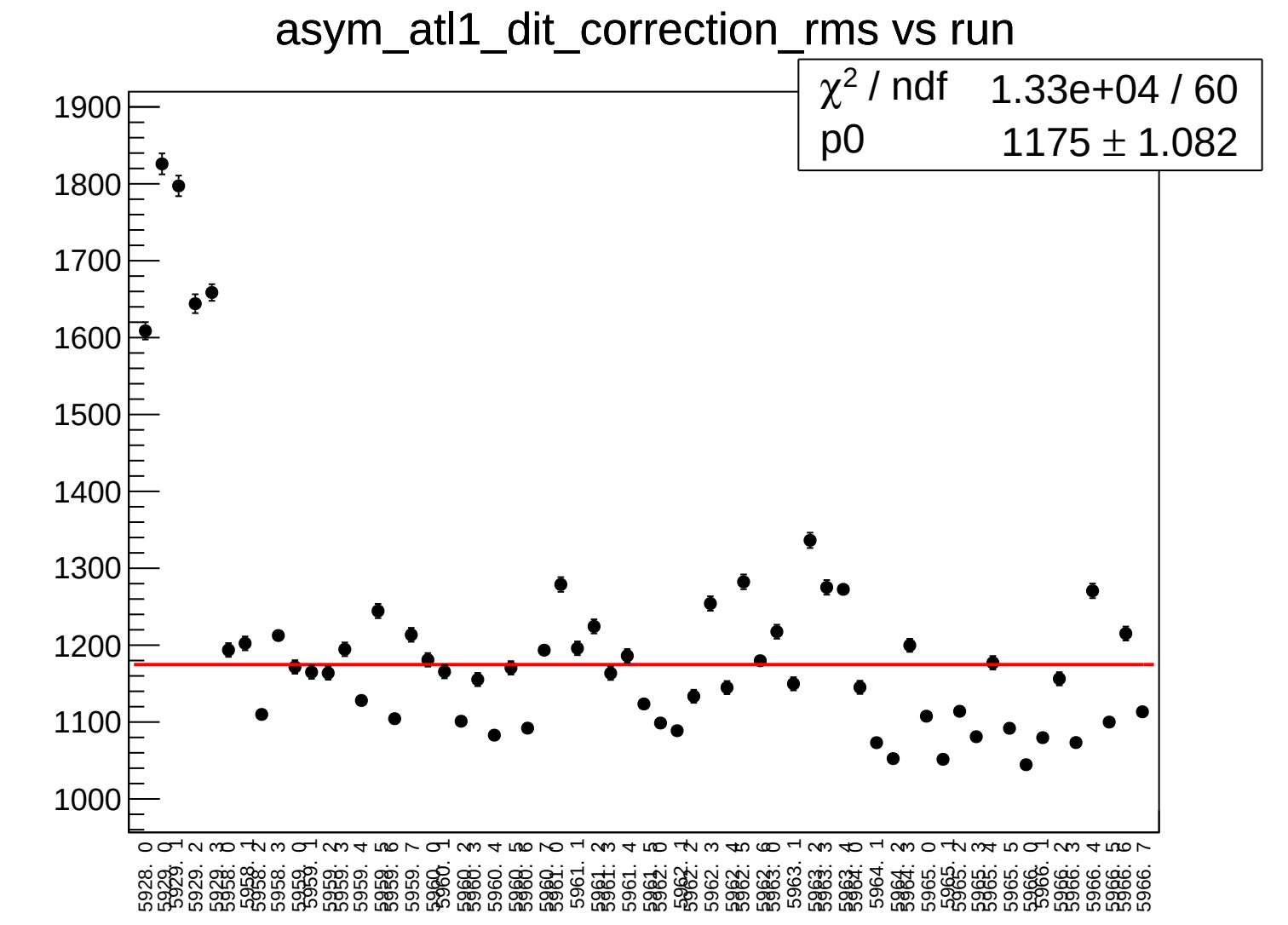

dit_asym_atl1_mean vs run
χ^2 / ndf 51.45 / 60
p0 2233 ± 3147
×10^3
pull
Entries 61
Mean −220
Std Dev 0

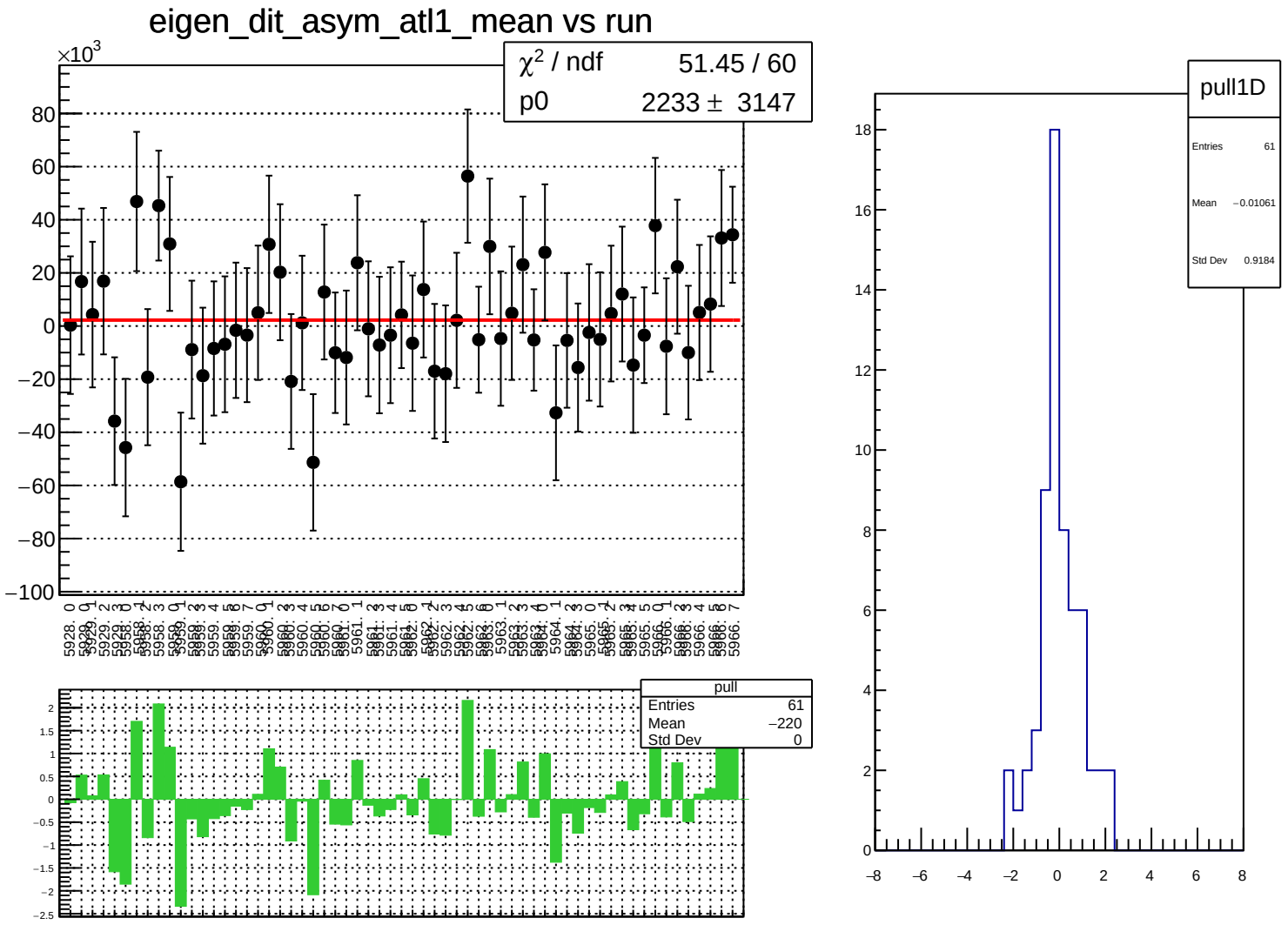

pull1D
Entries 61
Mean −0.01061
Std Dev 0.9184

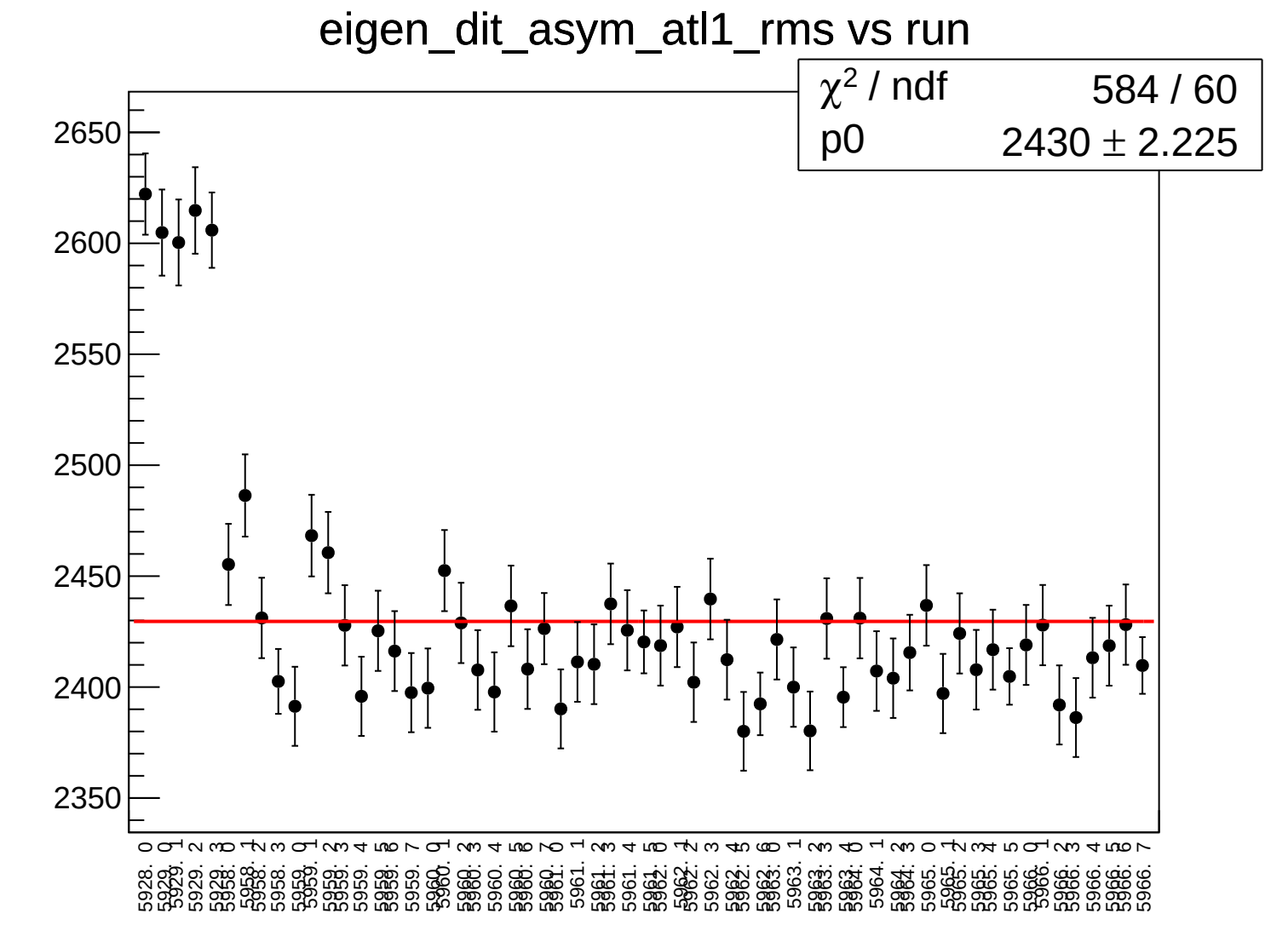

dit_asym_atl1_rms vs run
χ² / ndf 584 / 60
p0 2430 ± 2.225
2650
2600
2550
2500
2450
2400
2350

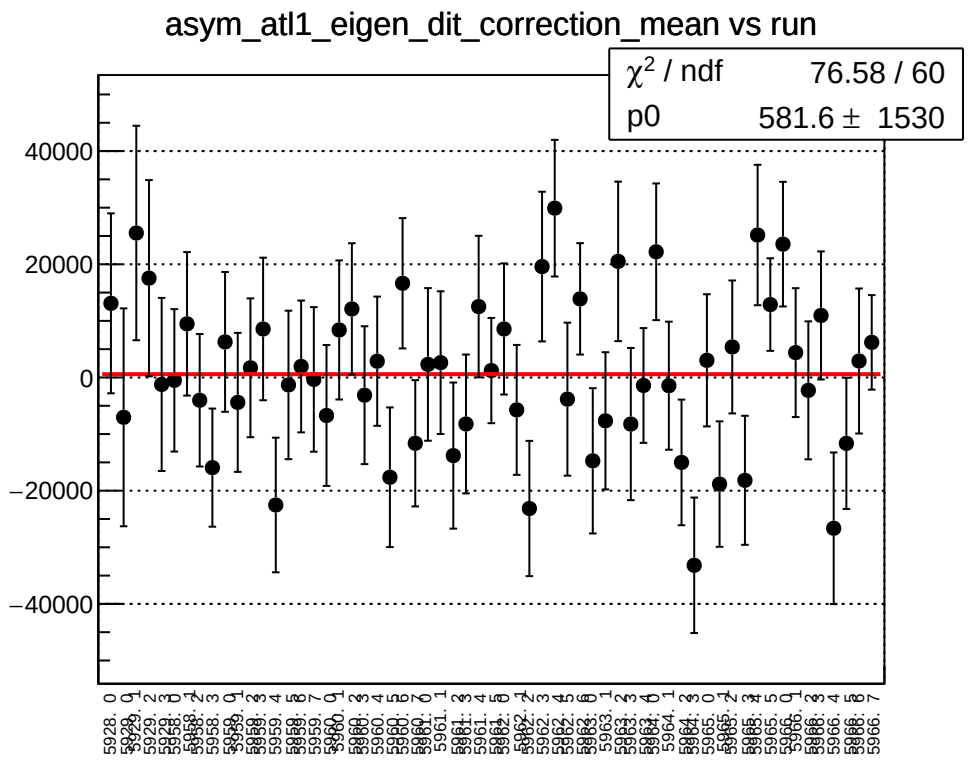

asym_atl1_dit_correction_mean vs run
χ² / ndf 76.58 / 60
p0 581.6 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 263.4
Std Dev 0
2
1
0
−1
−2
−3

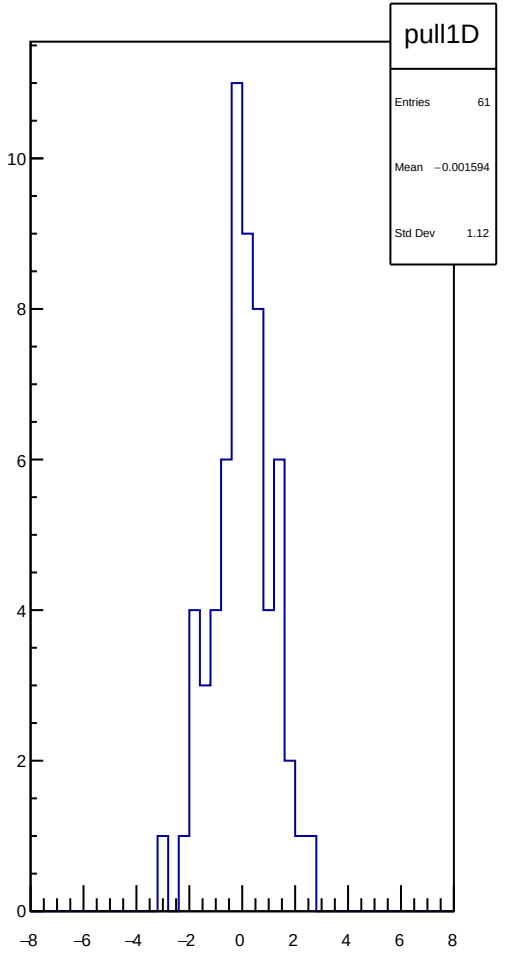

pull1D
Entries 61
Mean −0.001594
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

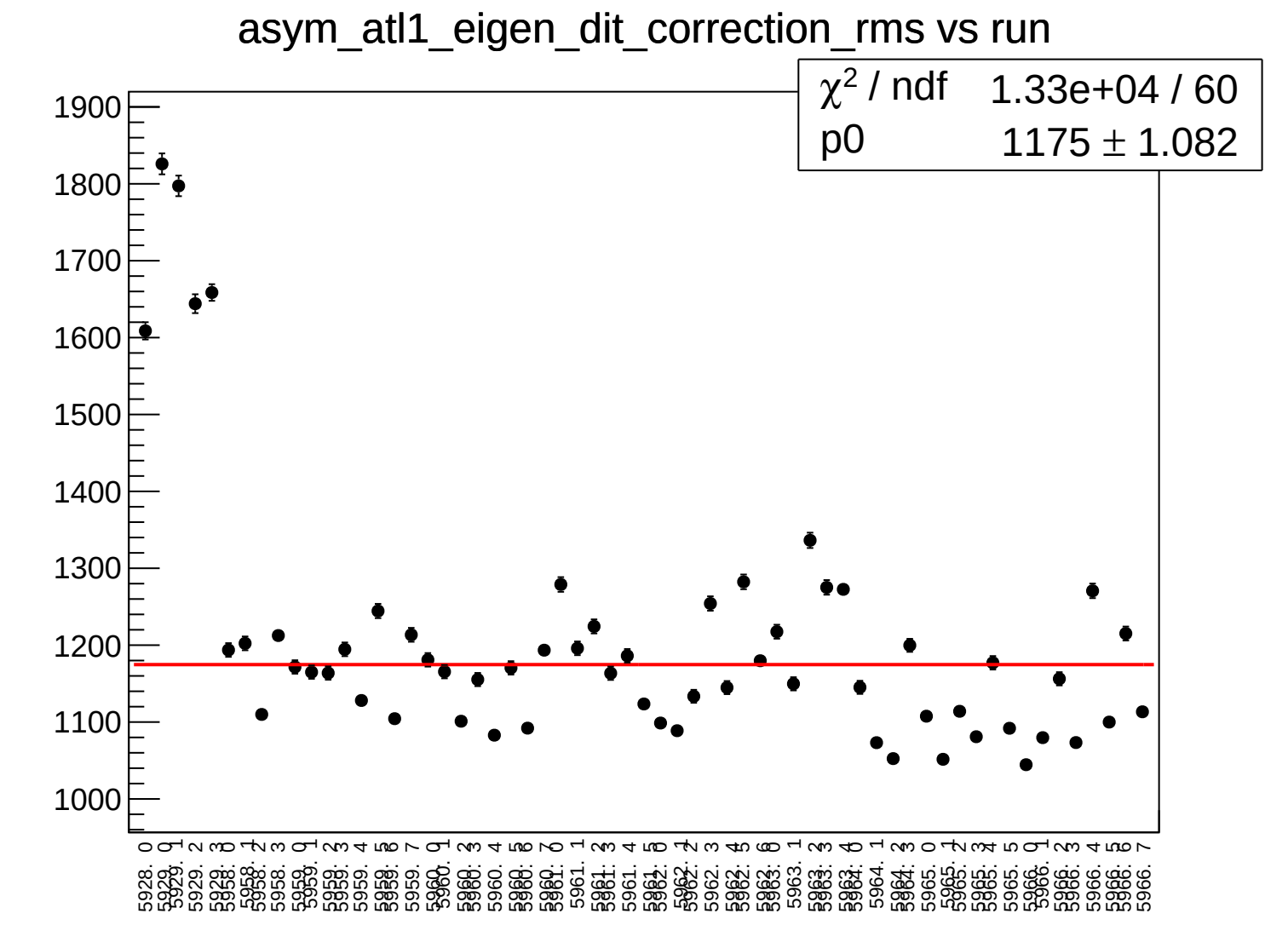

asym_atl1_dit_correction_rms vs run
χ² / ndf 1.33e+04 / 60
p0 1175 ± 1.082
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

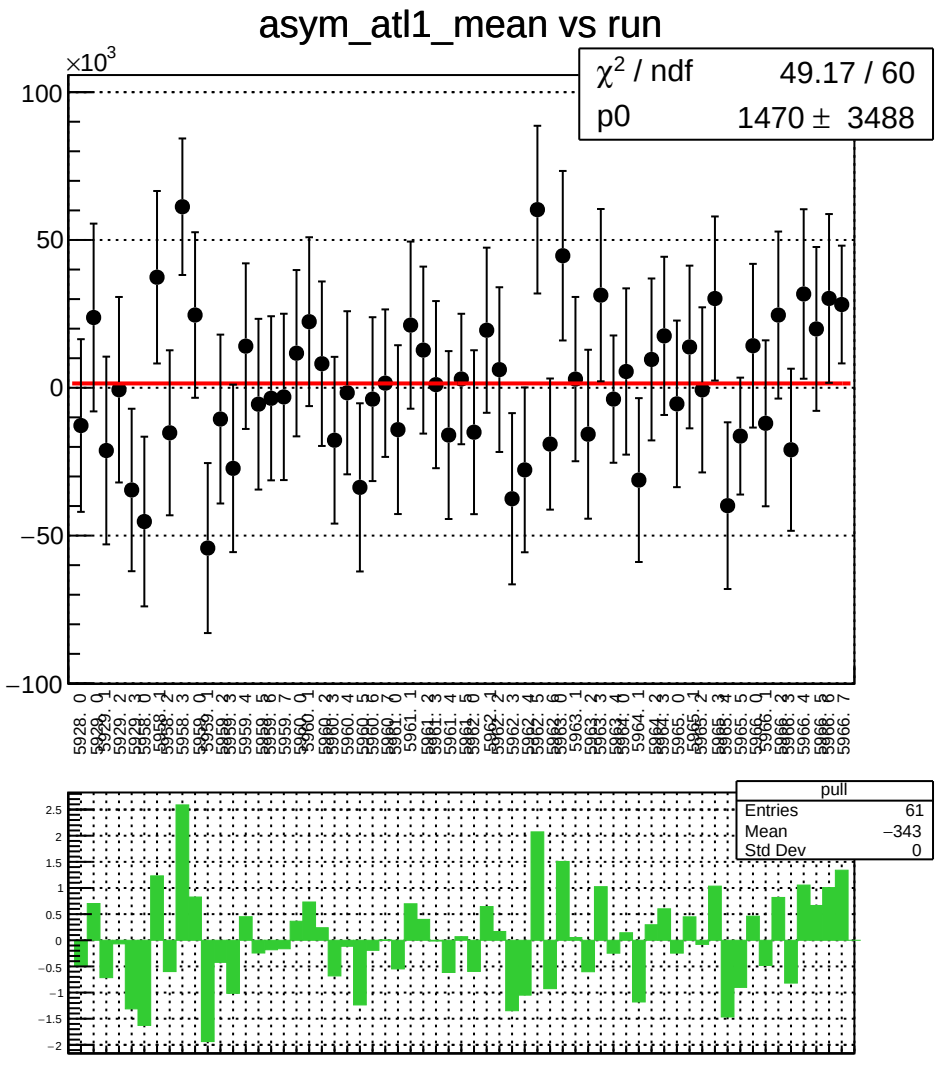

eigen_dit_asym_atl1_mean vs run
χ² / ndf 51.45 / 60
p0 2233 ± 3147
×10³
pull
Entries 61
Mean −220
Std Dev 0
pull1D
Entries 61
Mean −0.01061
Std Dev 0.9184

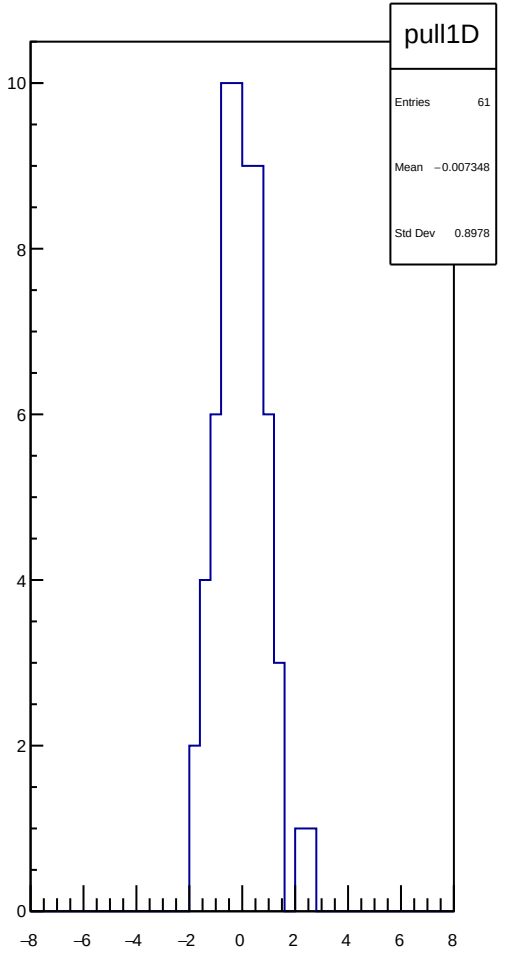

eigen_dit_asym_atl1_rms vs run
χ² / ndf 584 / 60
p0 2430 ± 2.225
2650
2600
2550
2500
2450
2400
2350

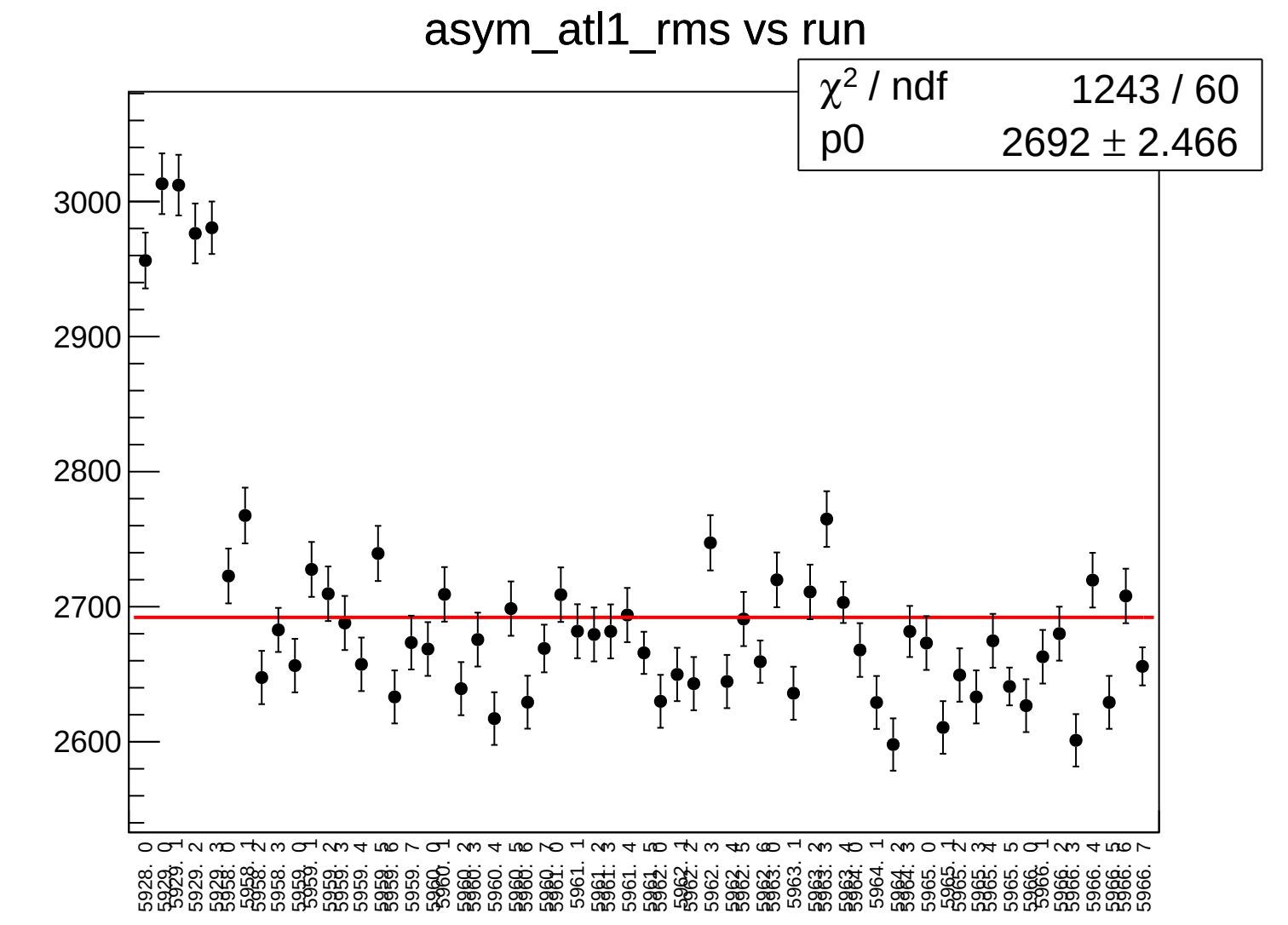

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 76.58 / 60
p0 581.6 ± 1530
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 263.4
Std Dev 0
2
1
0
−1
−2
−3

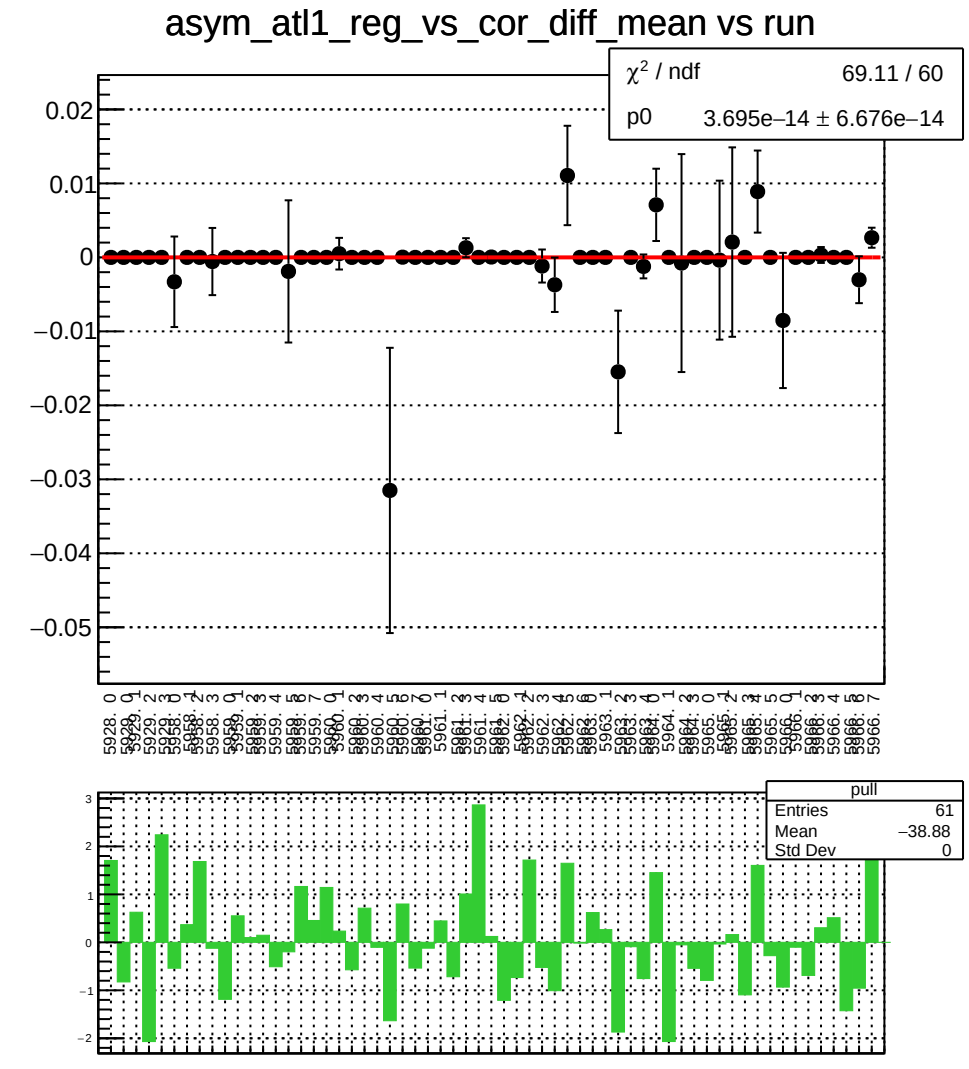

pull1D
Entries 61
Mean −0.001594
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

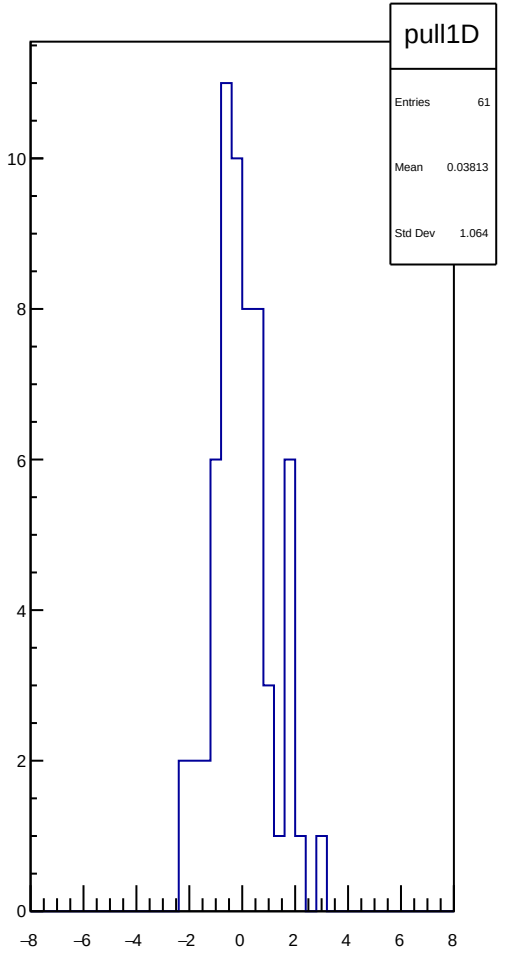

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.33e+04 / 60
p0 1175 ± 1.082
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

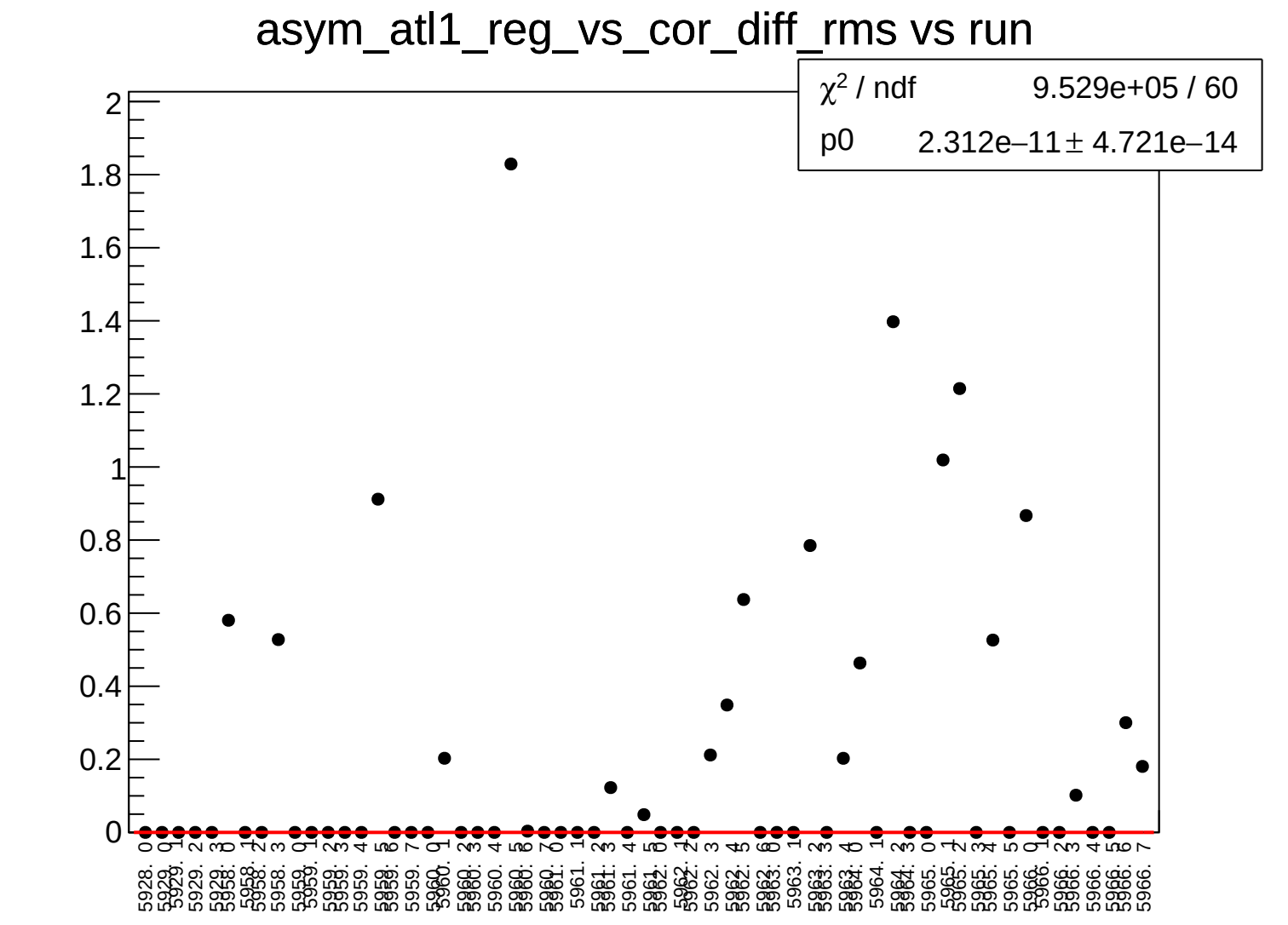

asym_atl1_mean vs run
×10^3
χ^2 / ndf 49.17 / 60
p0 1470 ± 3488
pull
Entries 61
Mean −343
Std Dev 0

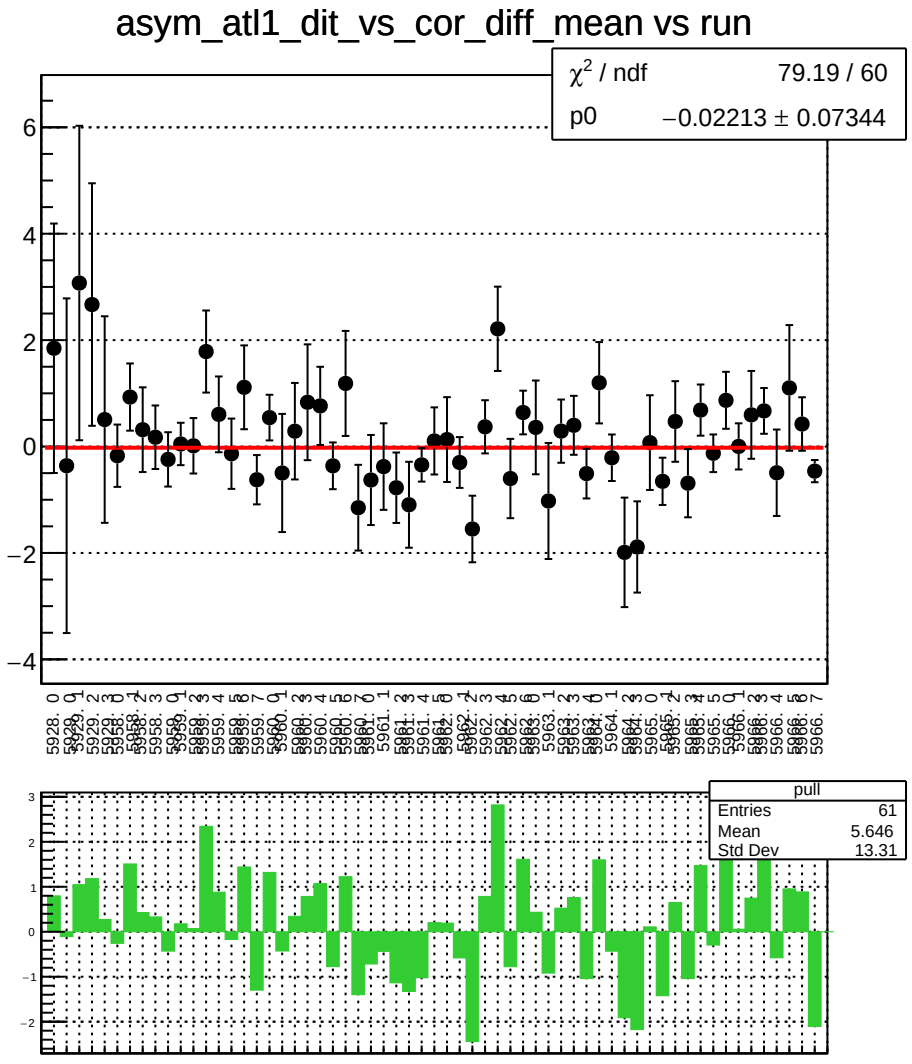

pull1D
Entries 61
Mean −0.007348
Std Dev 0.8978

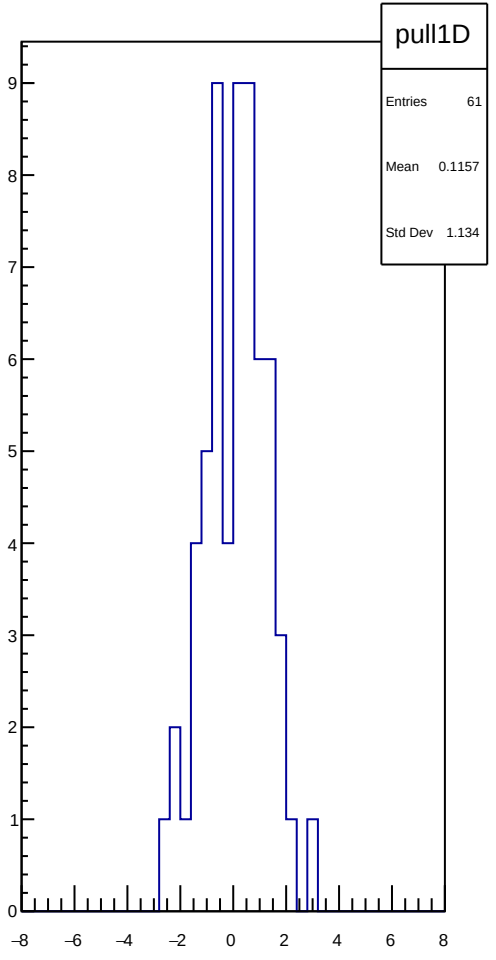

asym_atl1_rms vs run
χ² / ndf 1243 / 60
p0 2692 ± 2.466
3000
2900
2800
2700
2600

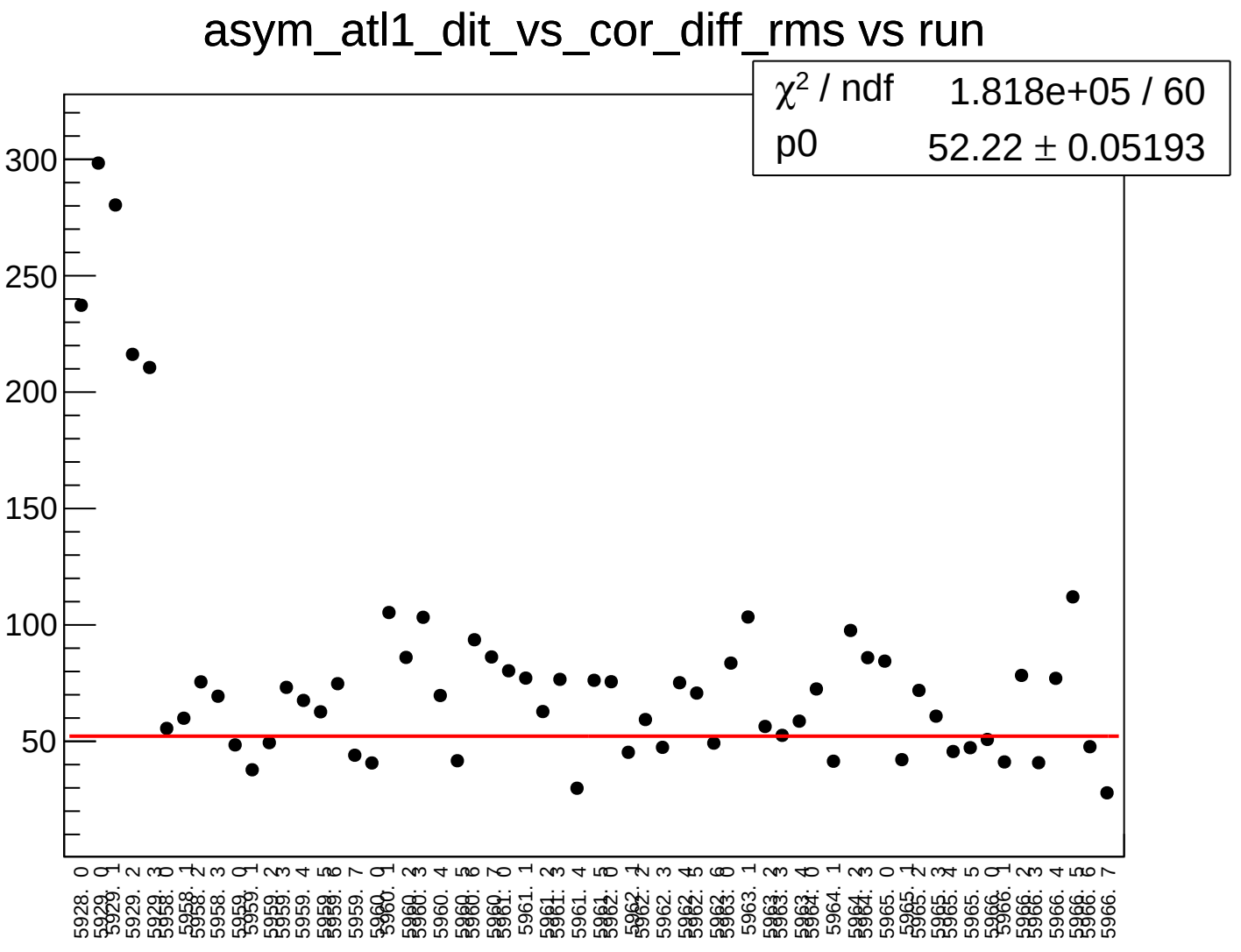

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 69.11 / 60
p0 3.695e−14 ± 6.676e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 61
Mean −38.88
Std Dev 0
3
2
1
0
−1
−2

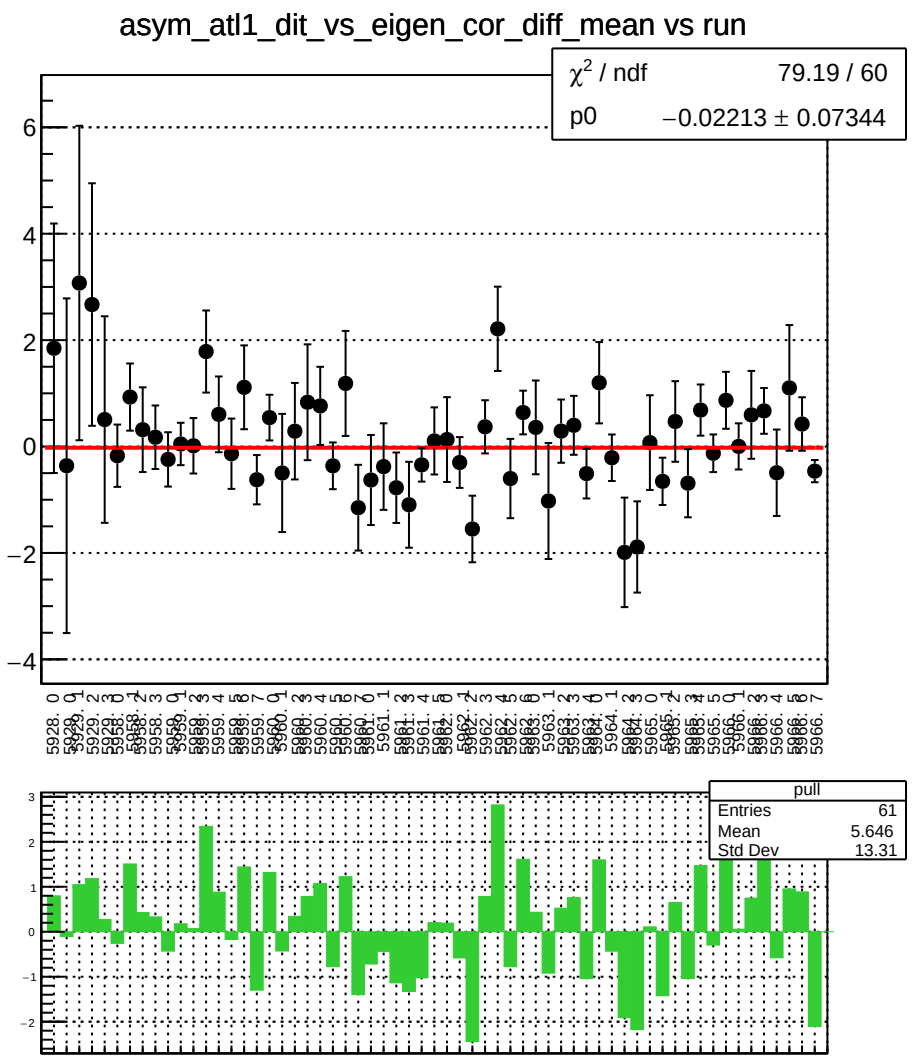

pull1D
Entries 61
Mean 0.03813
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

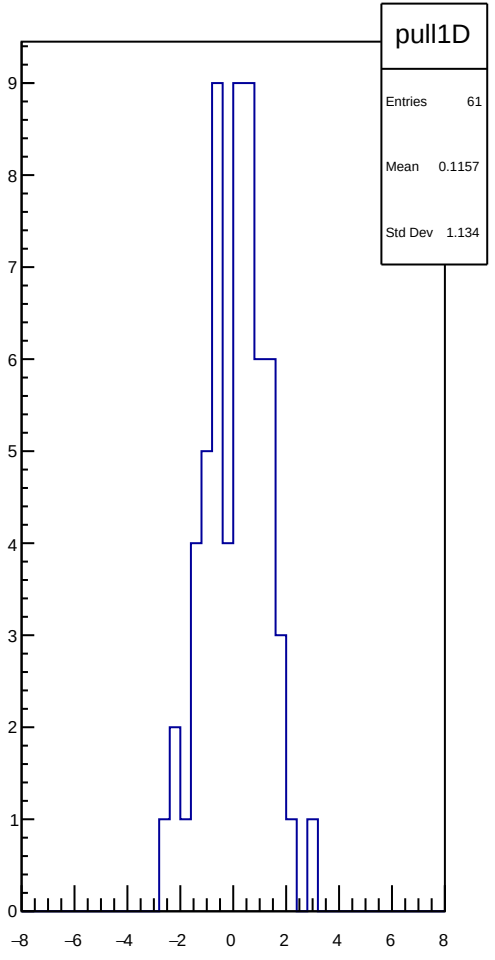

asym_atl1_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.529e+05 / 60
p0 2.312e−11 ± 4.721e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

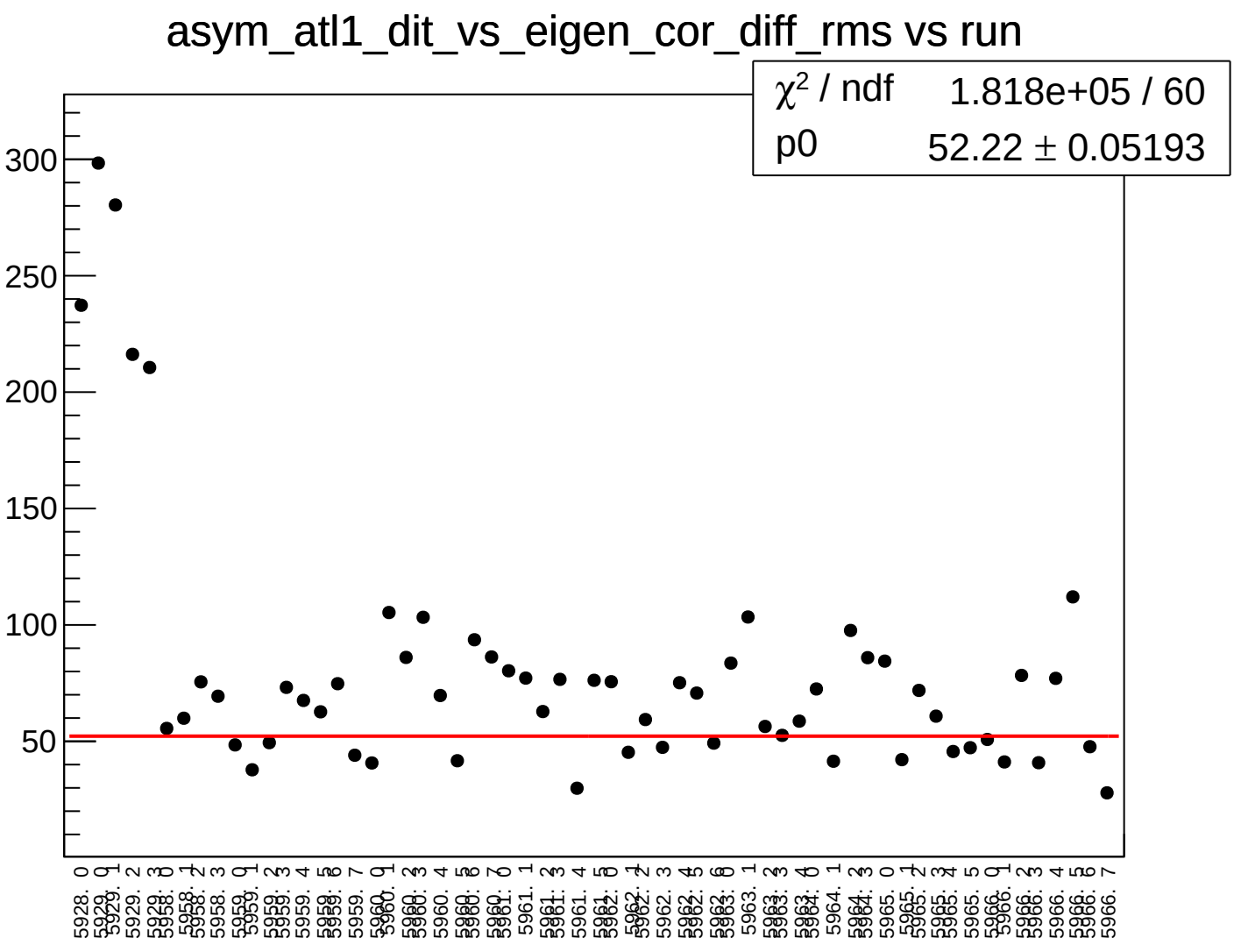

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 79.19 / 60
p0 −0.02213 ± 0.07344
pull
Entries 61
Mean 5.646
Std Dev 13.31

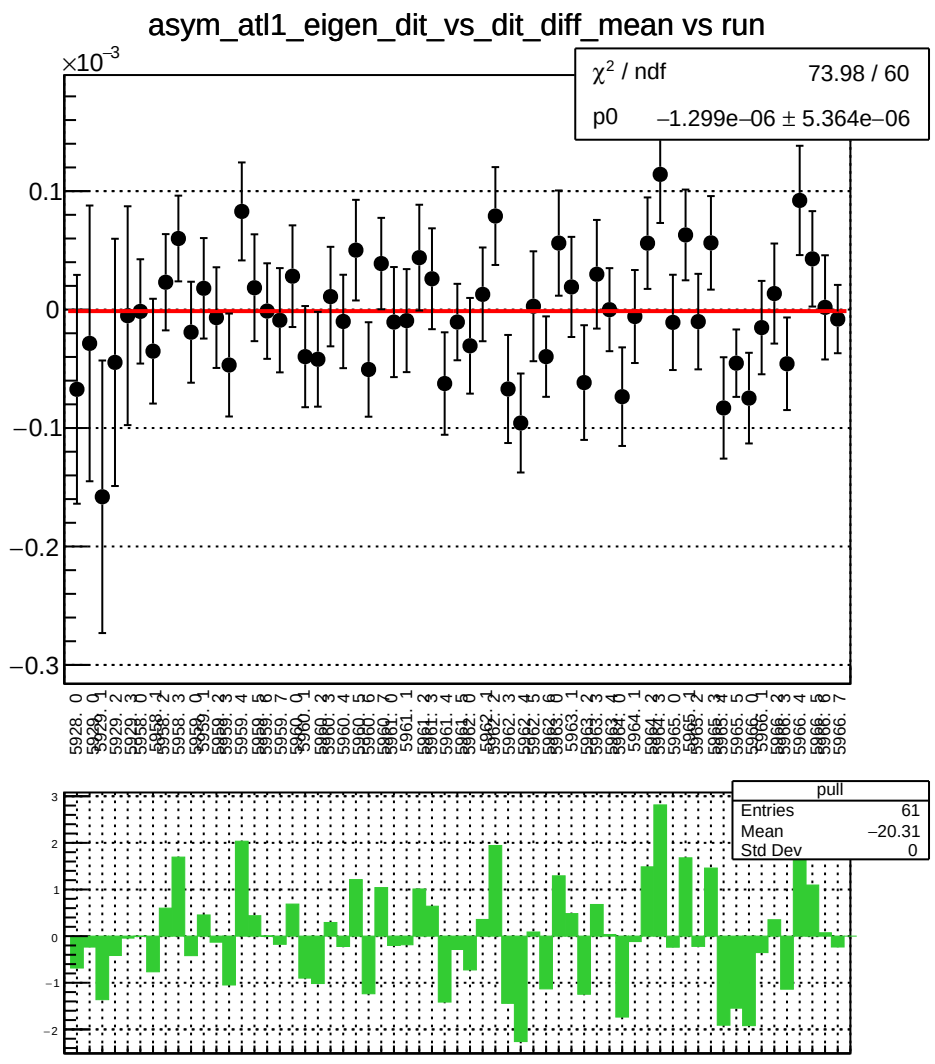

pull1D
Entries 61
Mean 0.1157
Std Dev 1.134

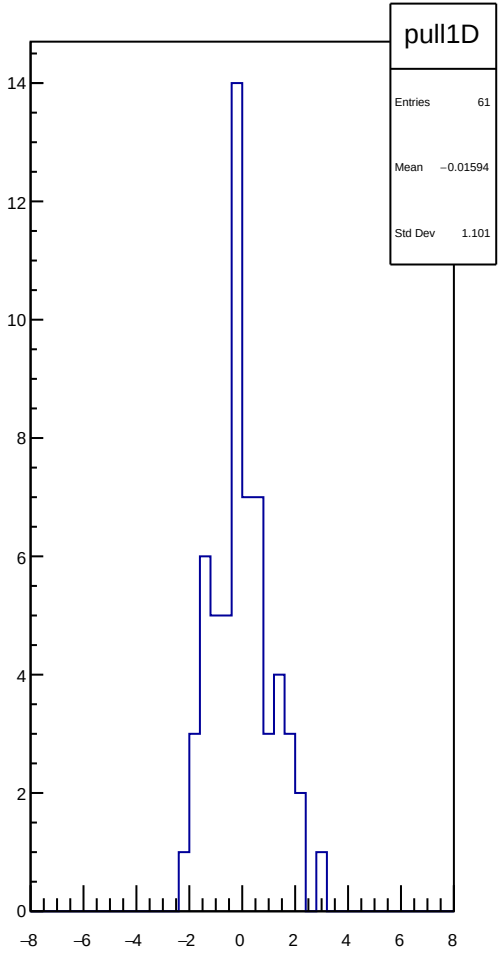

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.818e+05 / 60
p0 52.22 ± 0.05193
300
250
200
150
100
50

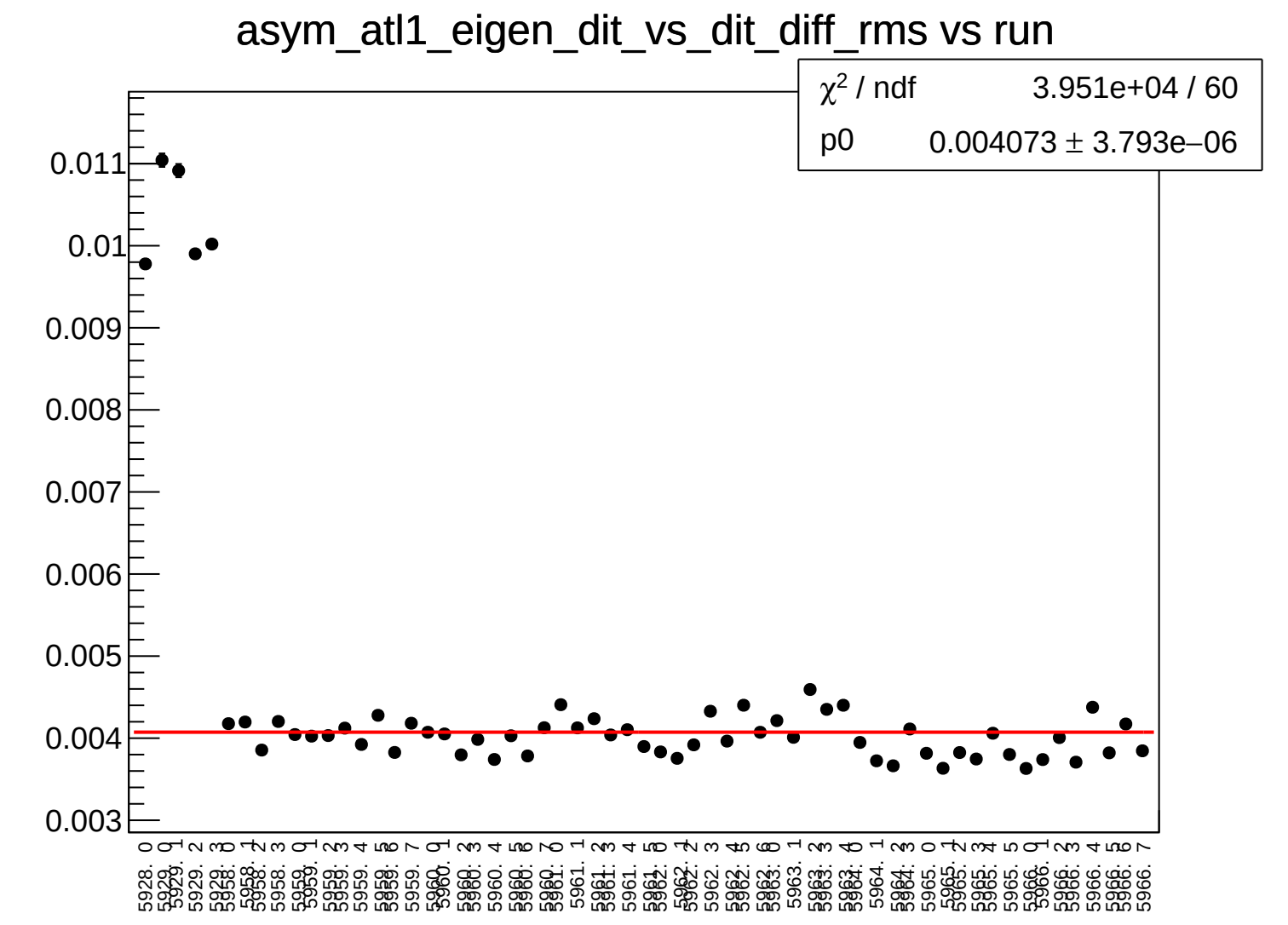

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.19 / 60
p0 −0.02213 ± 0.07344
pull
Entries 61
Mean 5.646
Std Dev 13.31

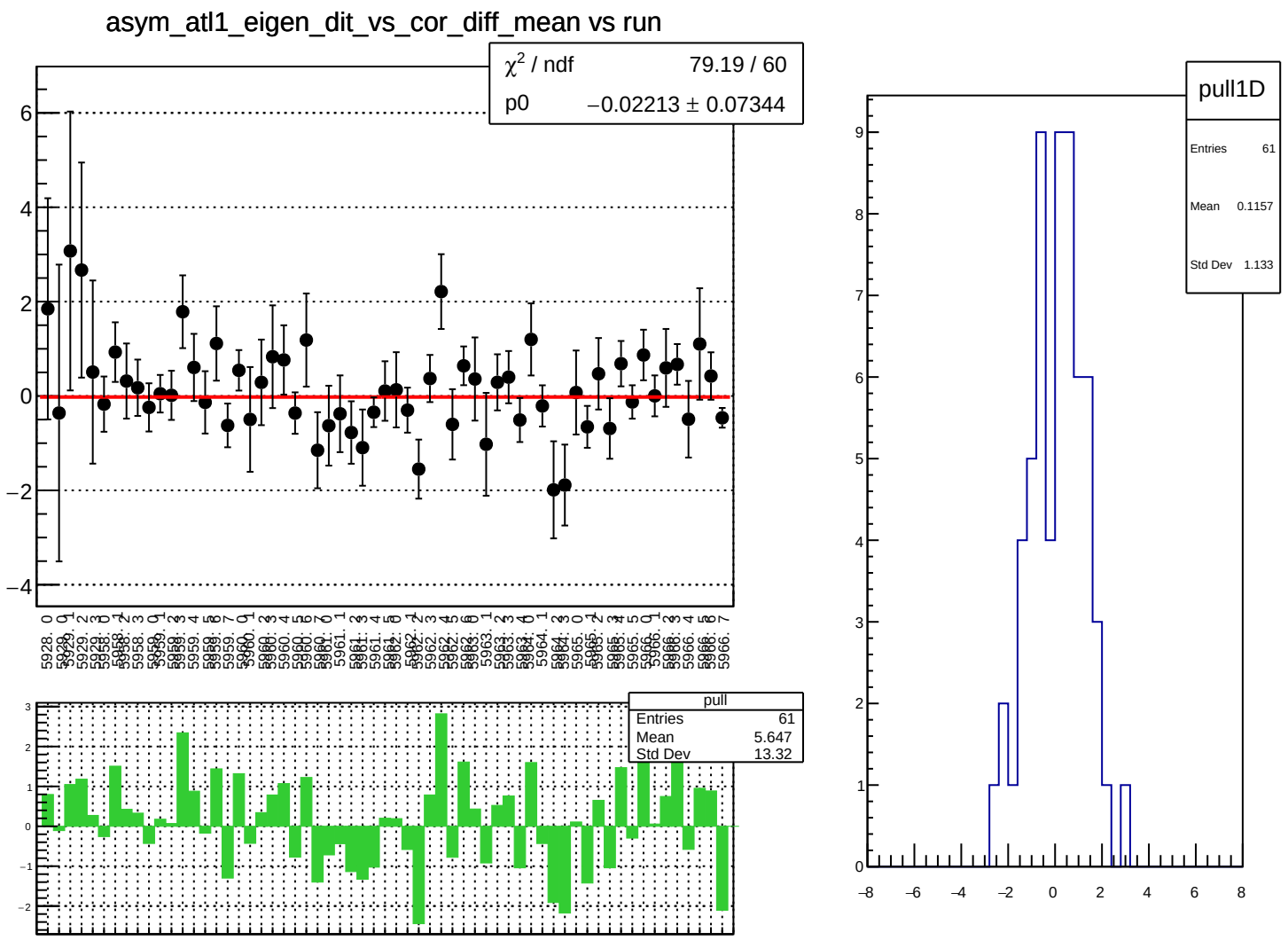

pull1D
Entries 61
Mean 0.1157
Std Dev 1.134

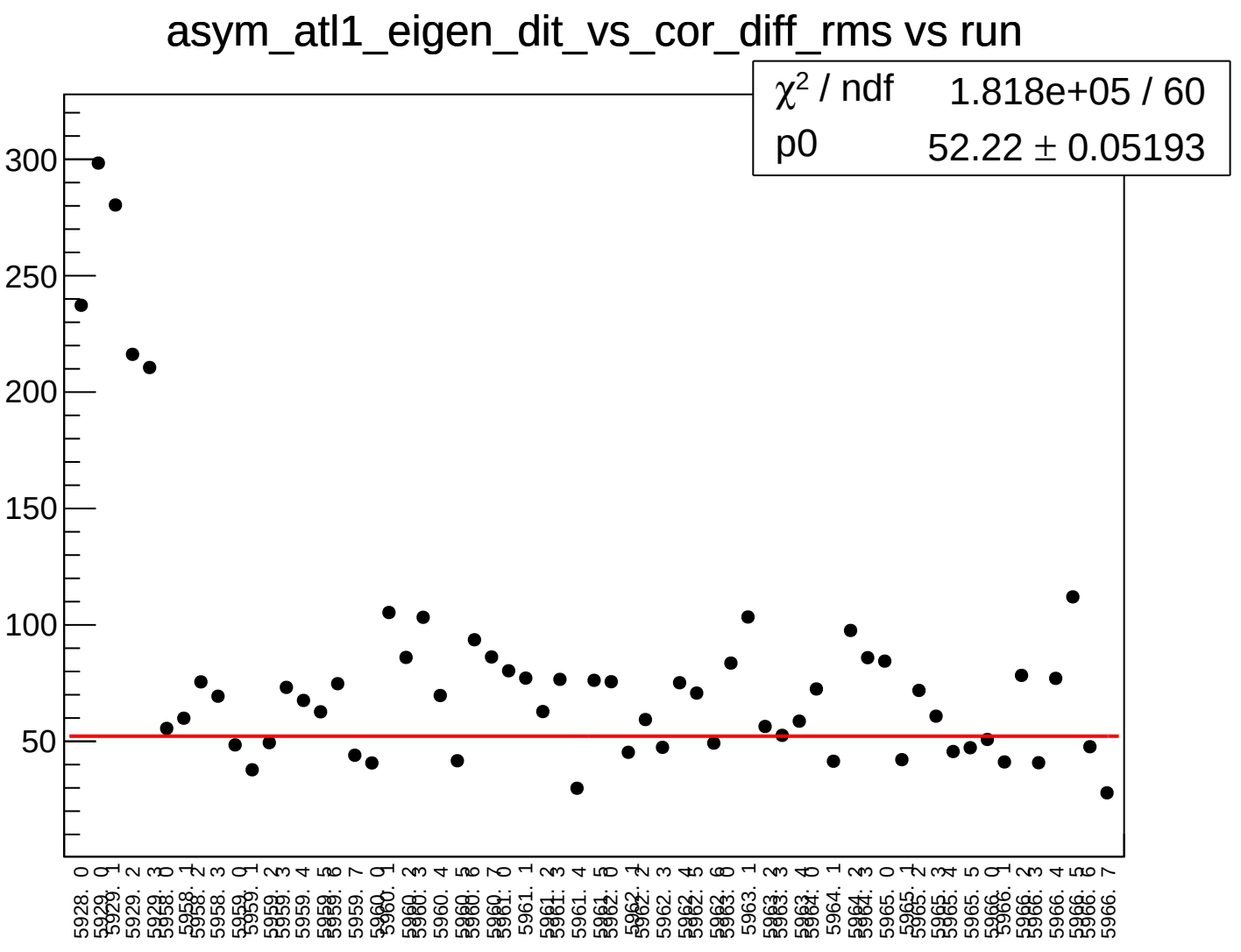

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.818e+05 / 60
p0 52.22 ± 0.05193
300
250
200
150
100
50

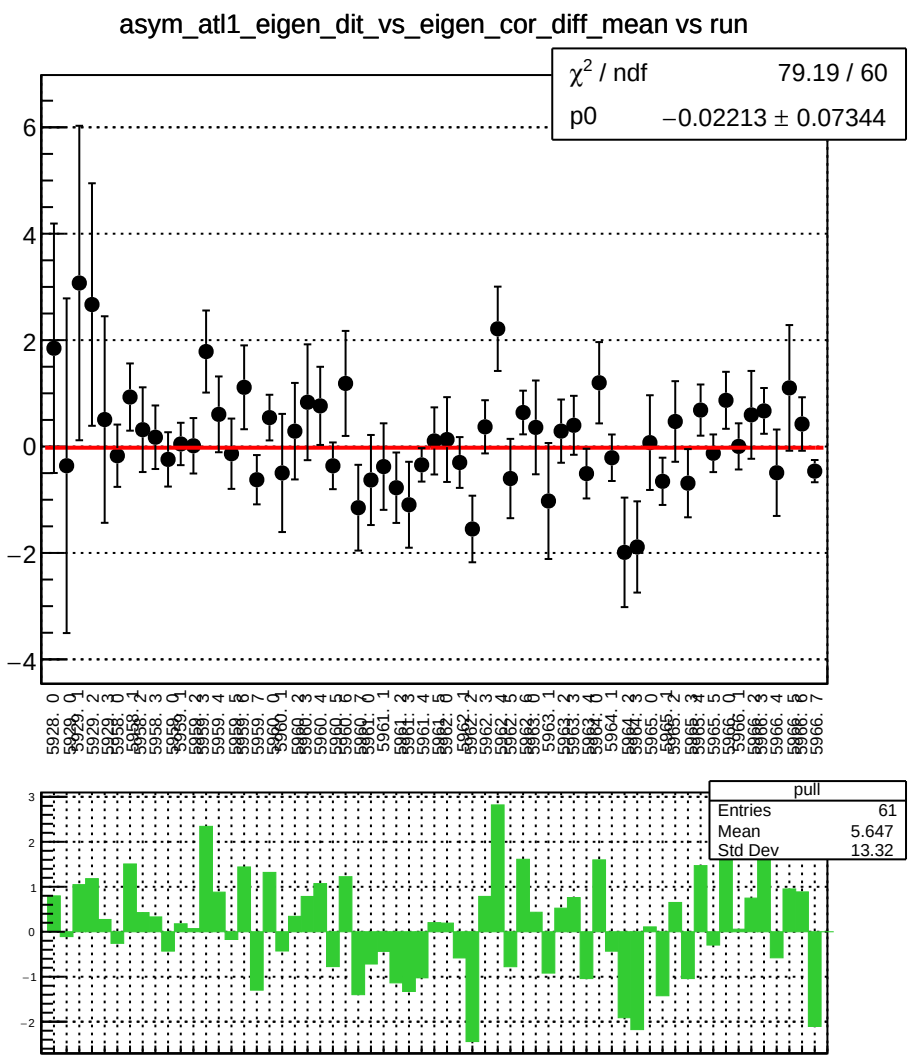

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.98 / 60
p0 −1.299e−06 ± 5.364e−06
0.1
0
−0.1
−0.2
−0.3
pull
Entries 61
Mean −20.31
Std Dev 0
3
2
1
0
−1
−2

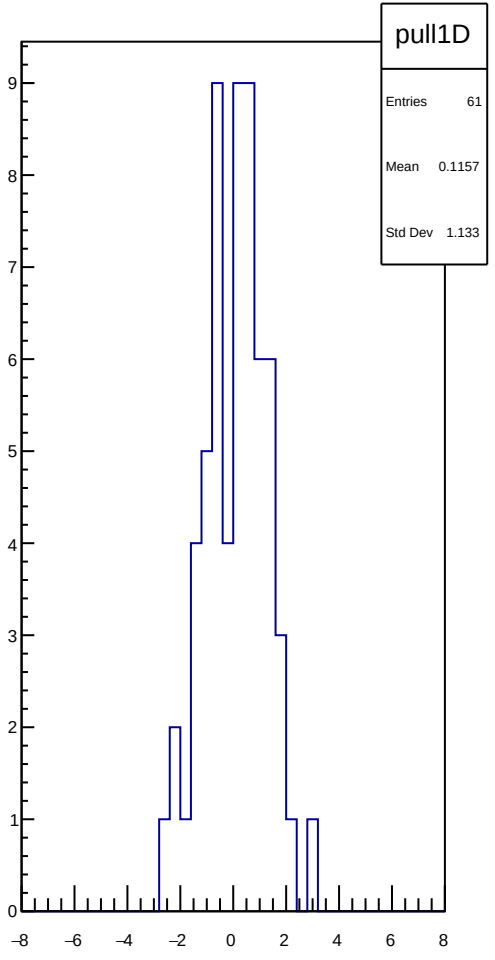

pull1D
Entries 61
Mean −0.01594
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

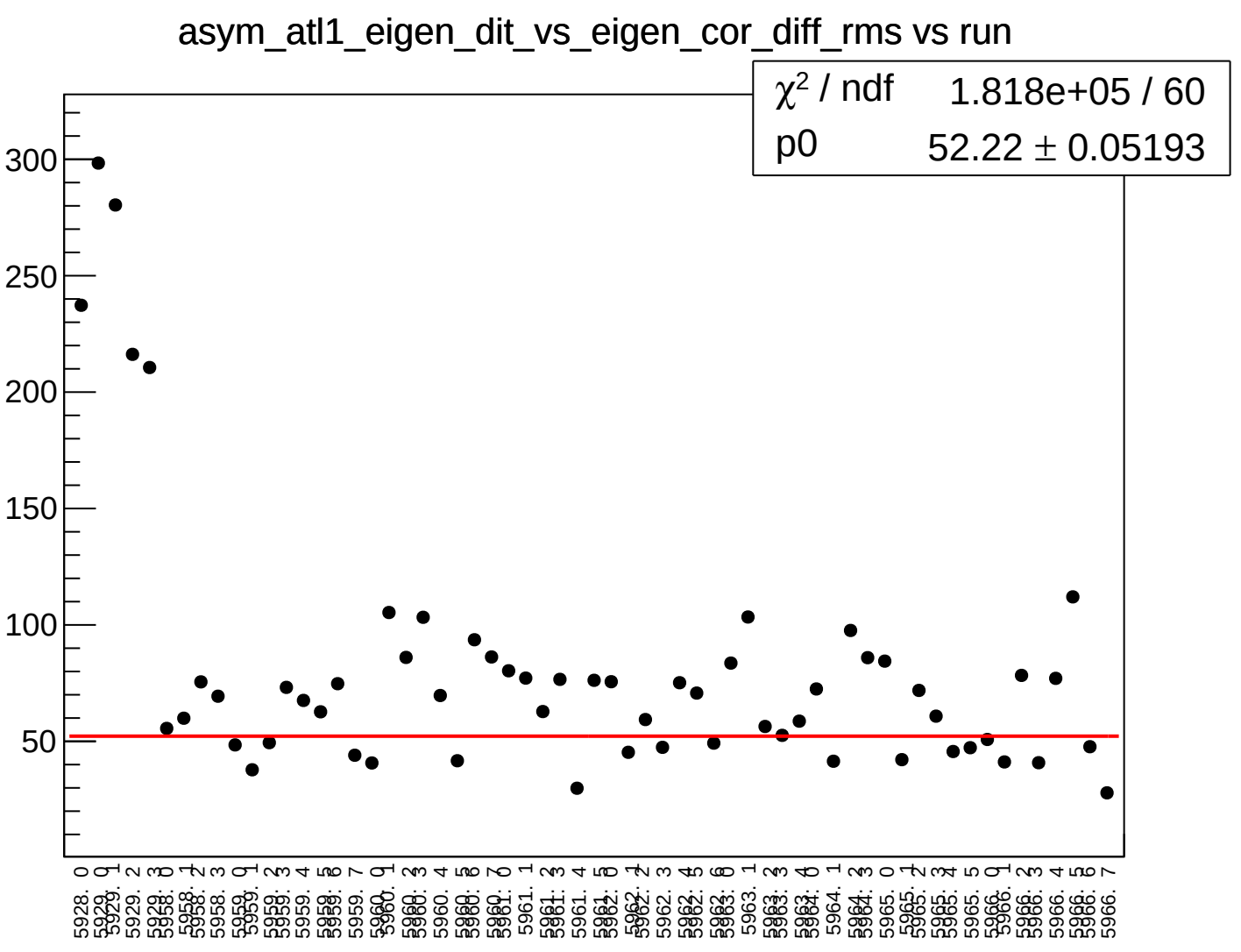

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.951e+04 / 60
p0 0.004073 ± 3.793e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

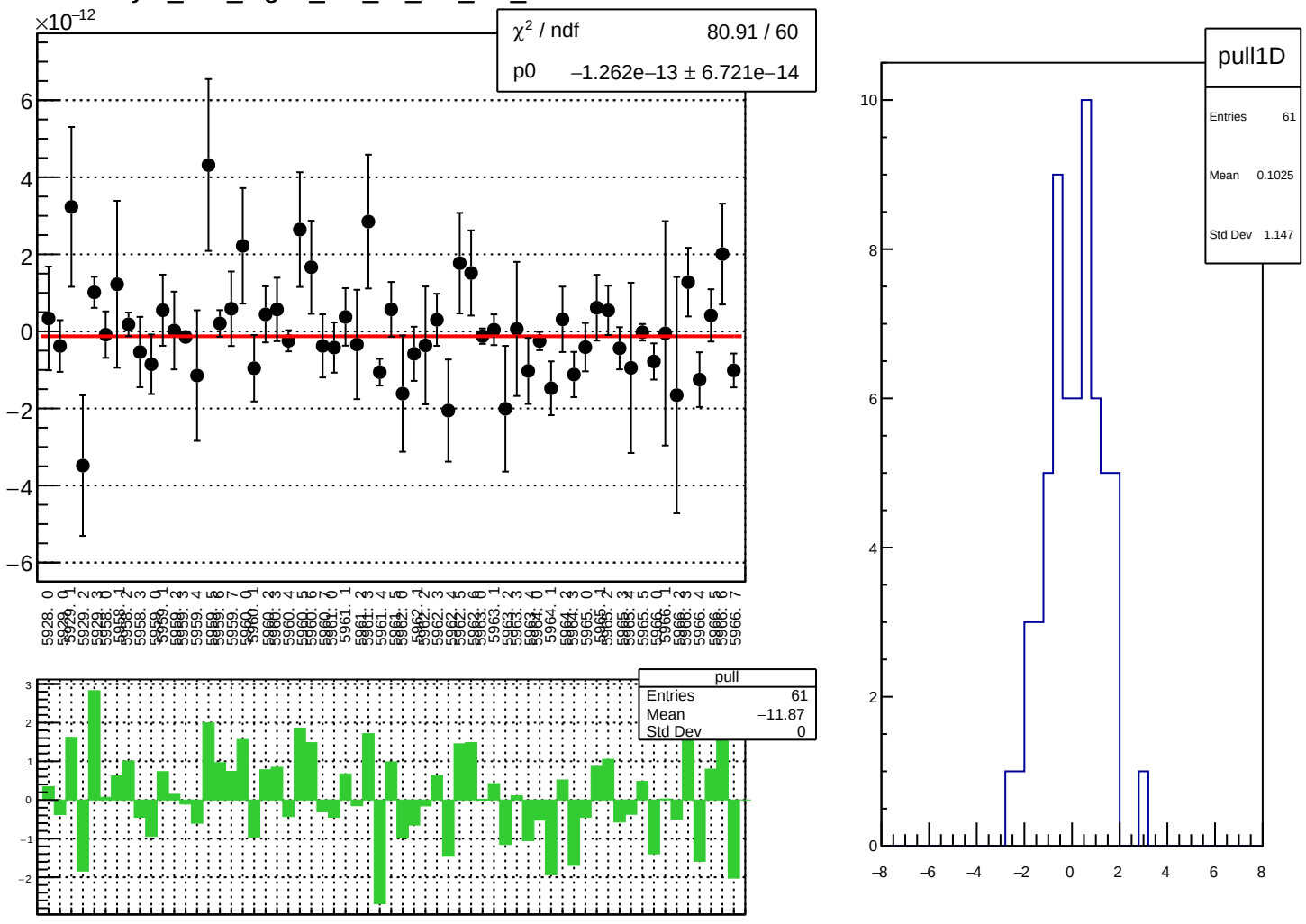

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.19 / 60
p0 −0.02213 ± 0.07344
pull
Entries 61
Mean 5.647
Std Dev 13.32
pull1D
Entries 61
Mean 0.1157
Std Dev 1.133

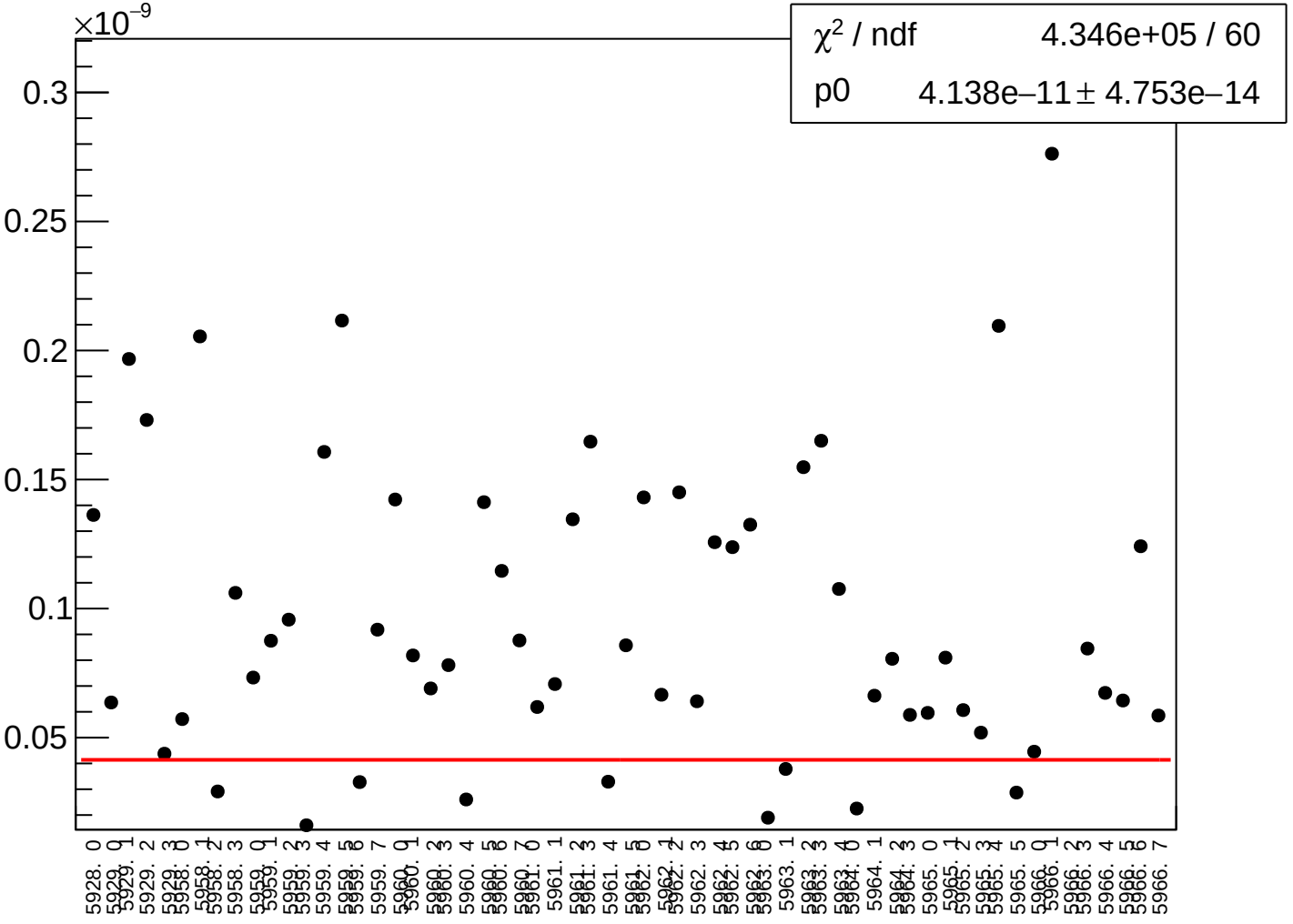

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.818e+05 / 60
p0 52.22 ± 0.05193
300
250
200
150
100
50

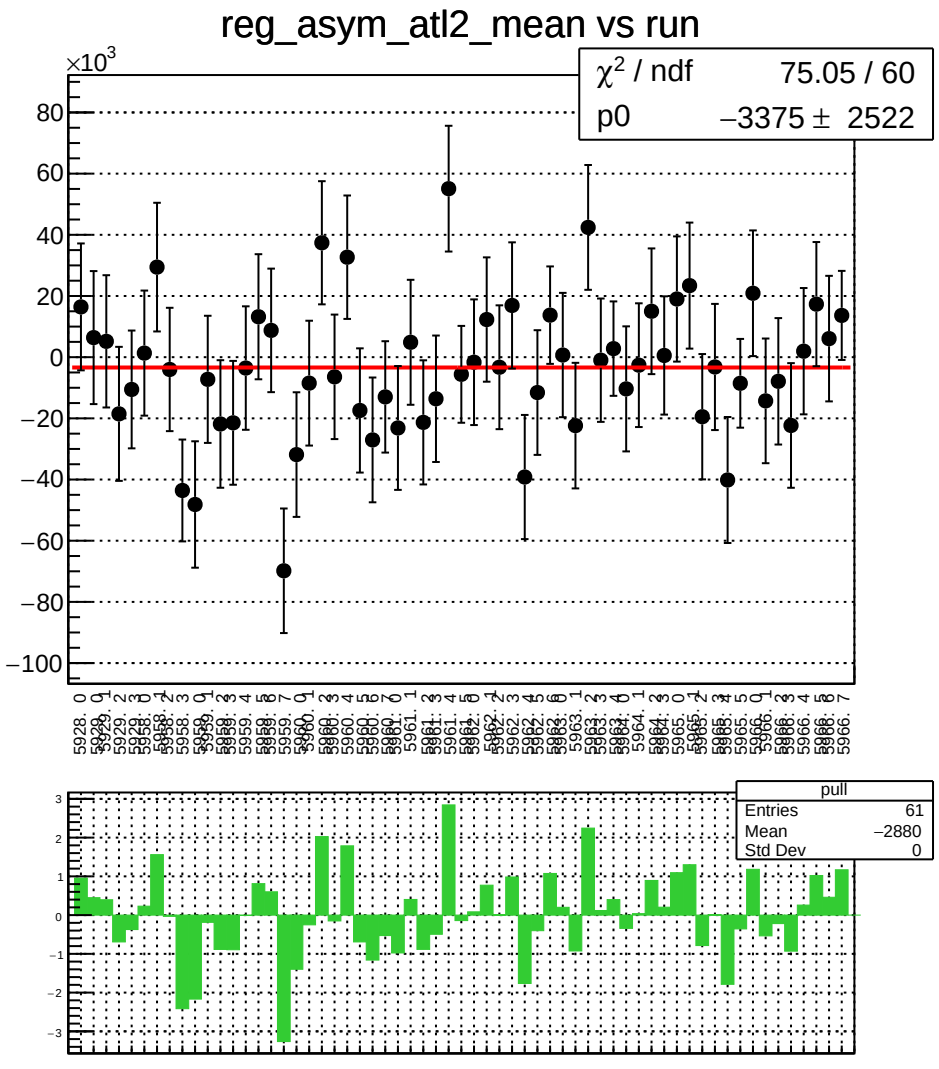

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.19 / 60
p0 −0.02213 ± 0.07344
pull
Entries 61
Mean 5.647
Std Dev 13.32

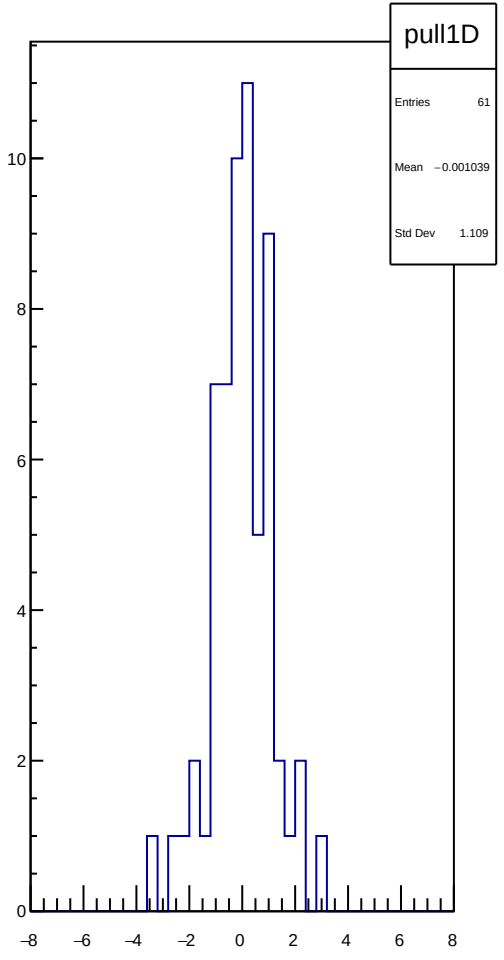

pull1D
Entries 61
Mean 0.1157
Std Dev 1.133

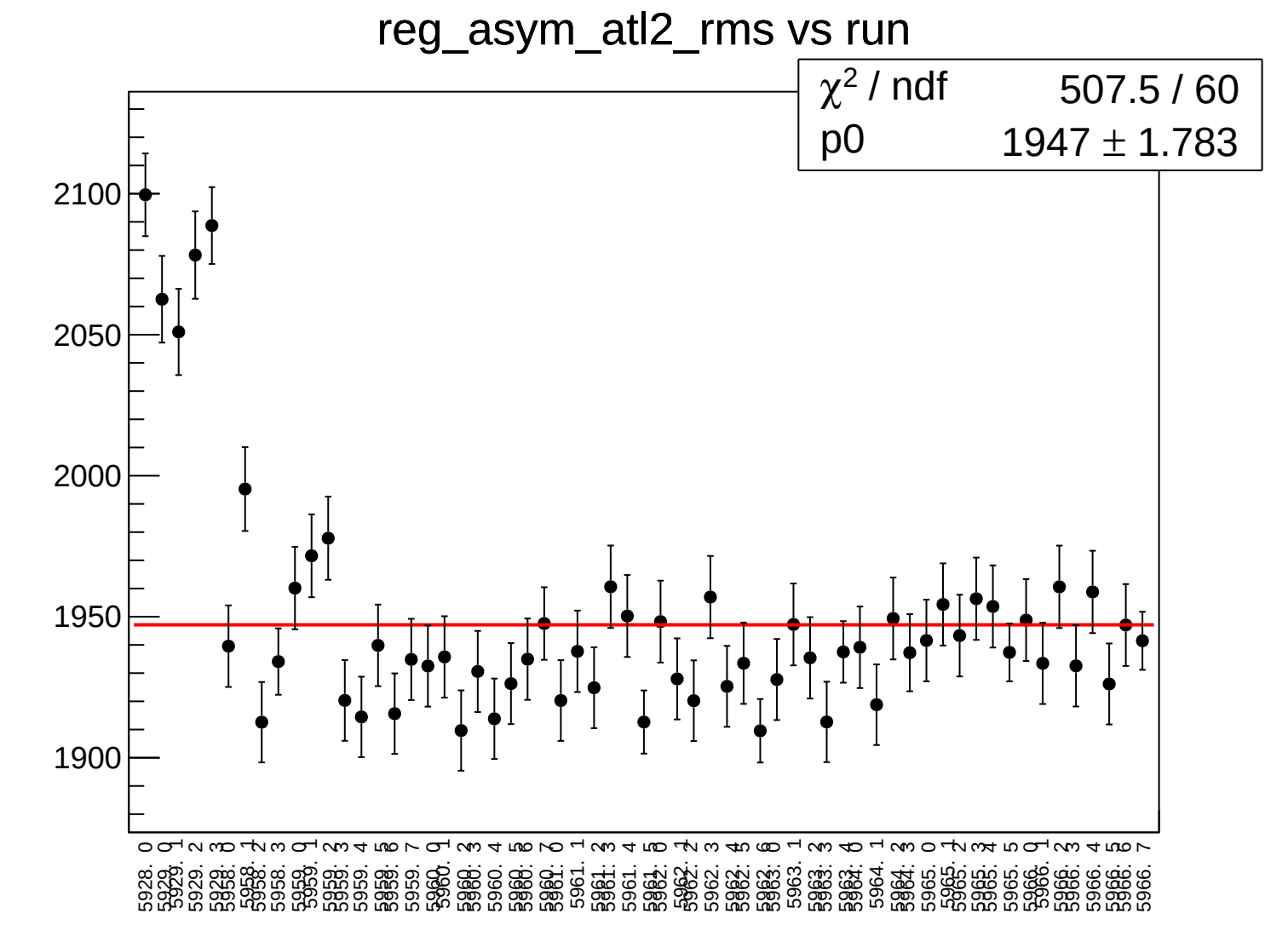

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.818e+05 / 60
p0 52.22 ± 0.05193
300
250
200
150
100
50

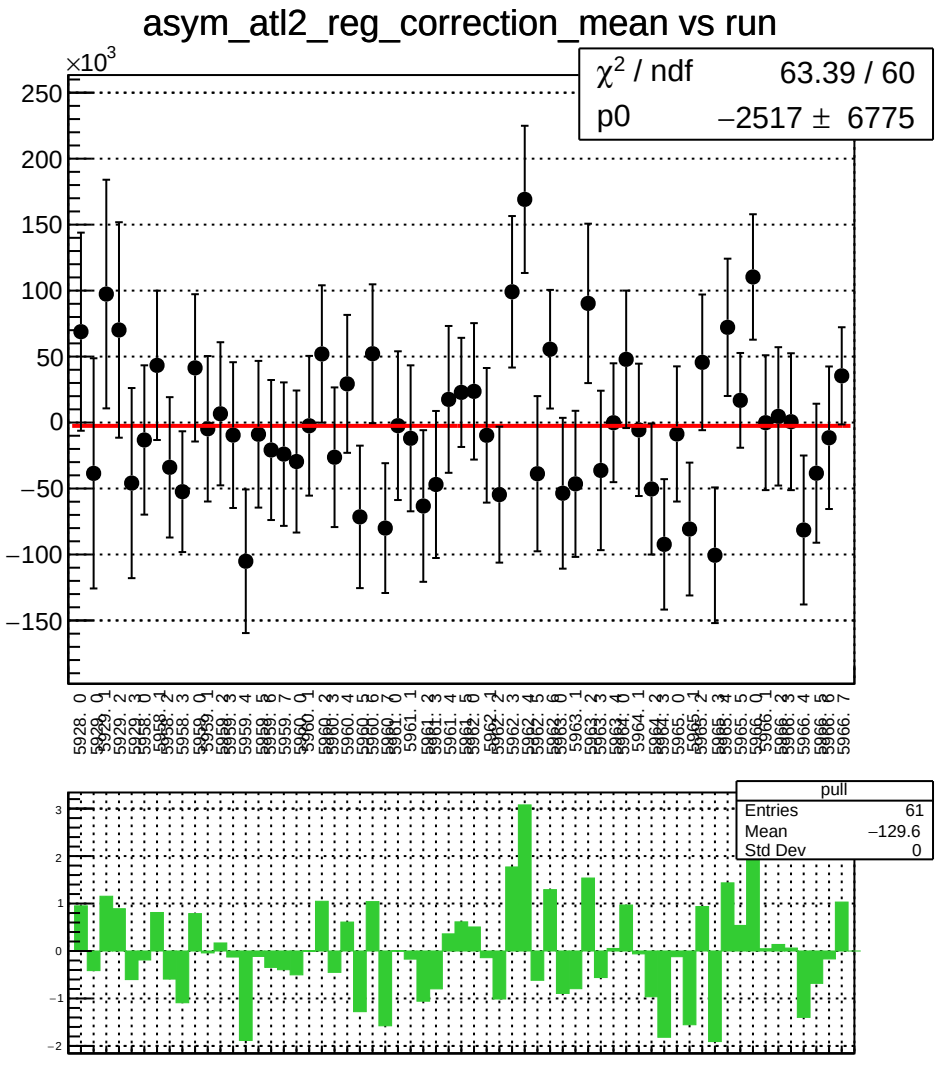

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.91 / 60
p0 −1.262e−13 ± 6.721e−14
pull
Entries 61
Mean −11.87
Std Dev 0
pull1D
Entries 61
Mean 0.1025
Std Dev 1.147

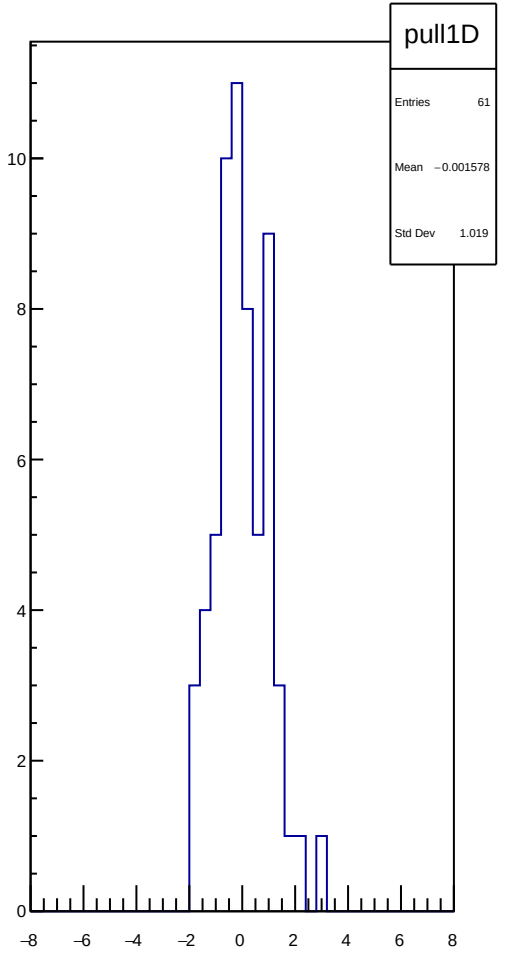

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.346e+05 / 60
p0 4.138e−11 ± 4.753e−14
0.3
0.25
0.2
0.15
0.1
0.05

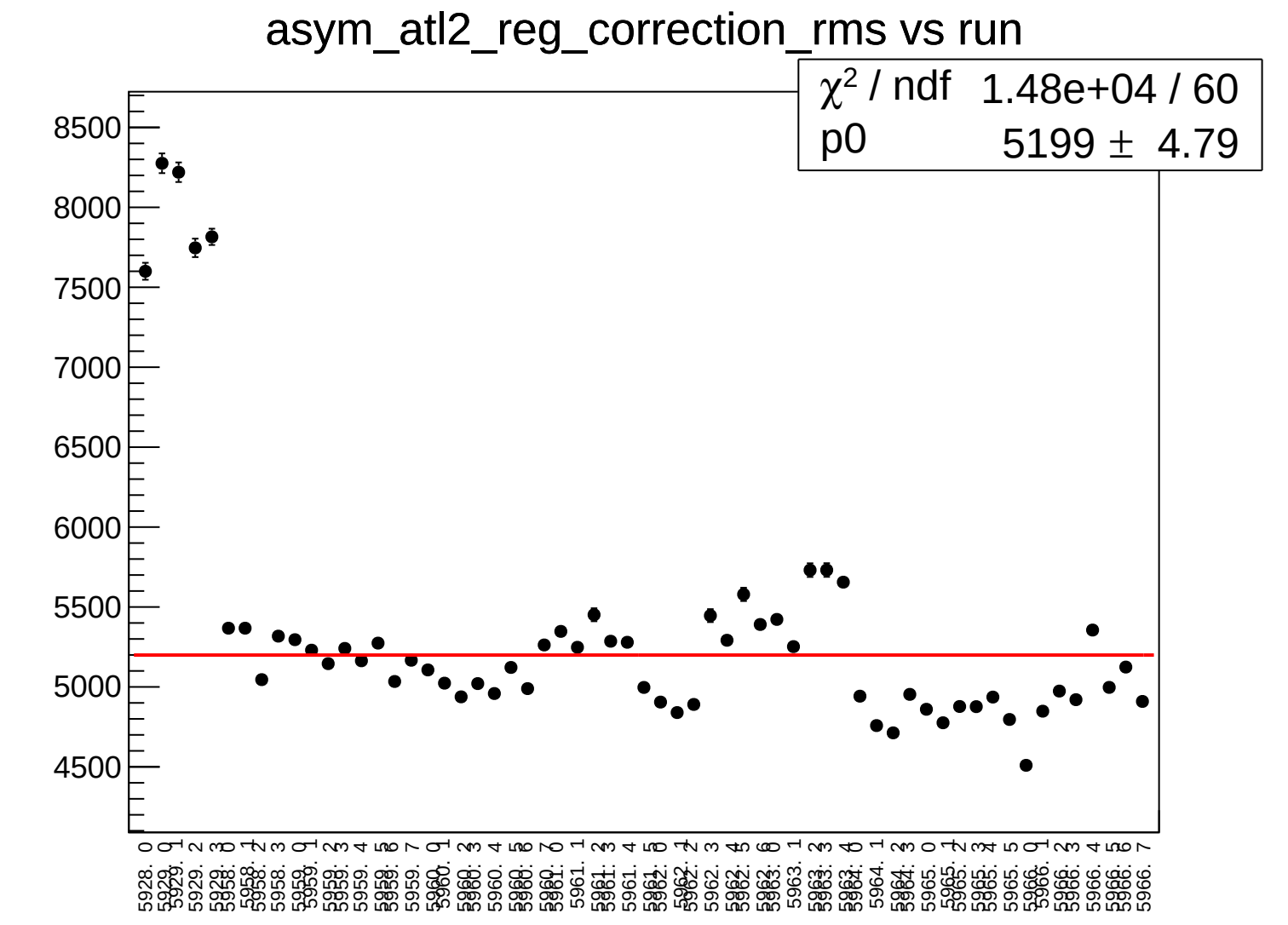

reg_asym_atl2_mean vs run
χ² / ndf 75.05 / 60
p0 −3375 ± 2522
pull
Entries 61
Mean −2880
Std Dev 0

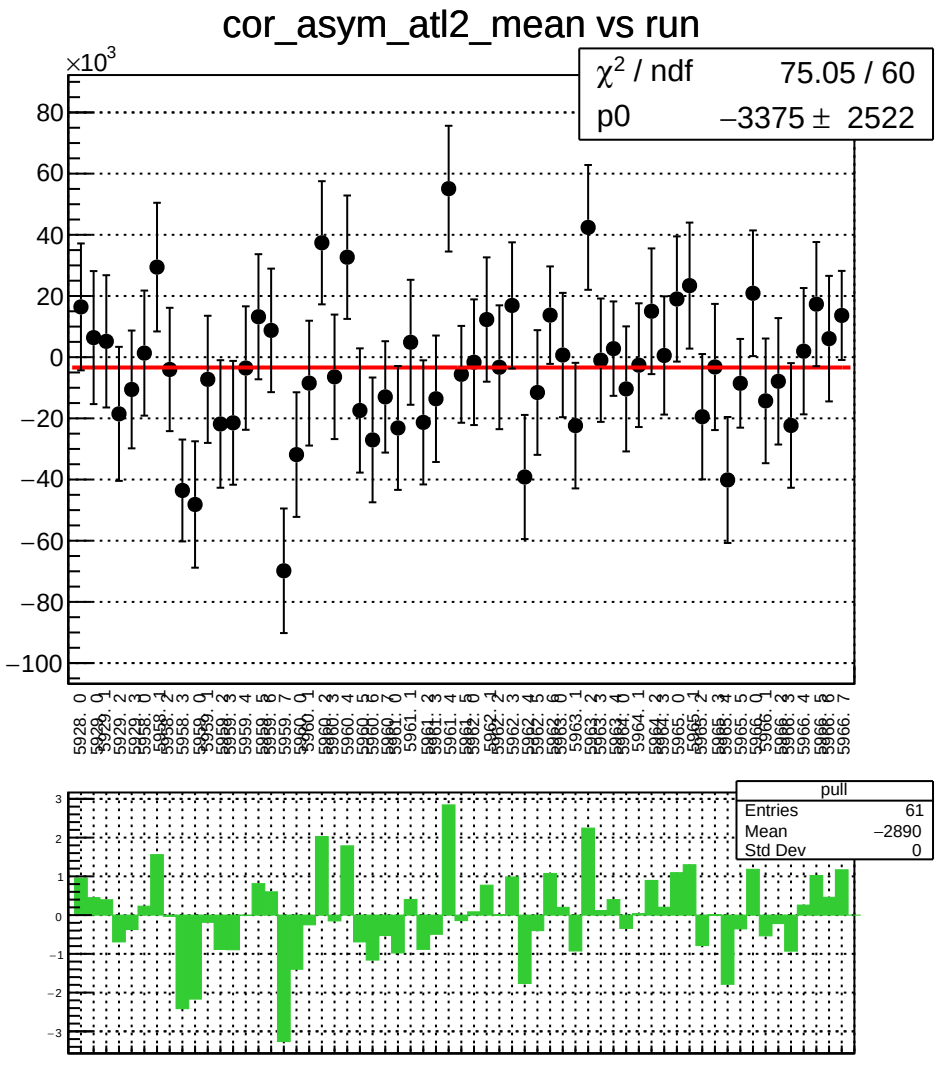

pull1D
Entries 61
Mean −0.001039
Std Dev 1.109

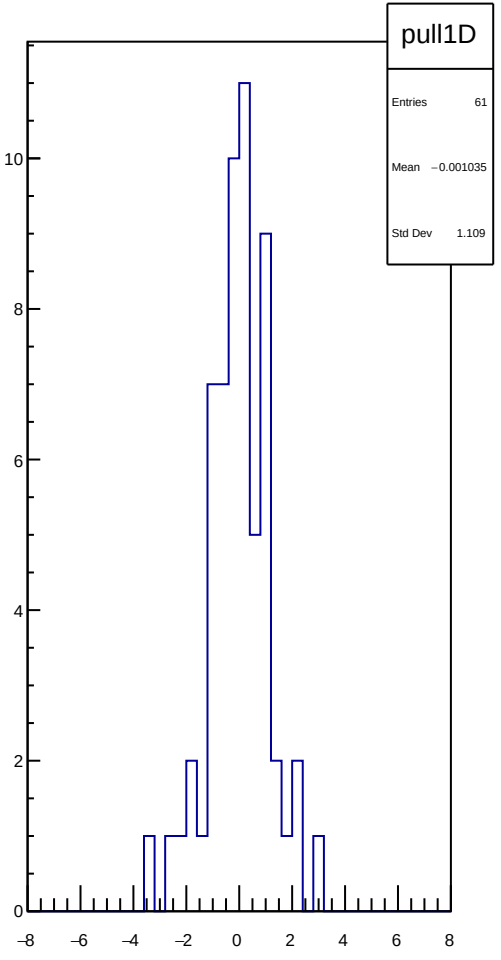

reg_asym_atl2_rms vs run
χ² / ndf 507.5 / 60
p0 1947 ± 1.783
2100
2050
2000
1950
1900

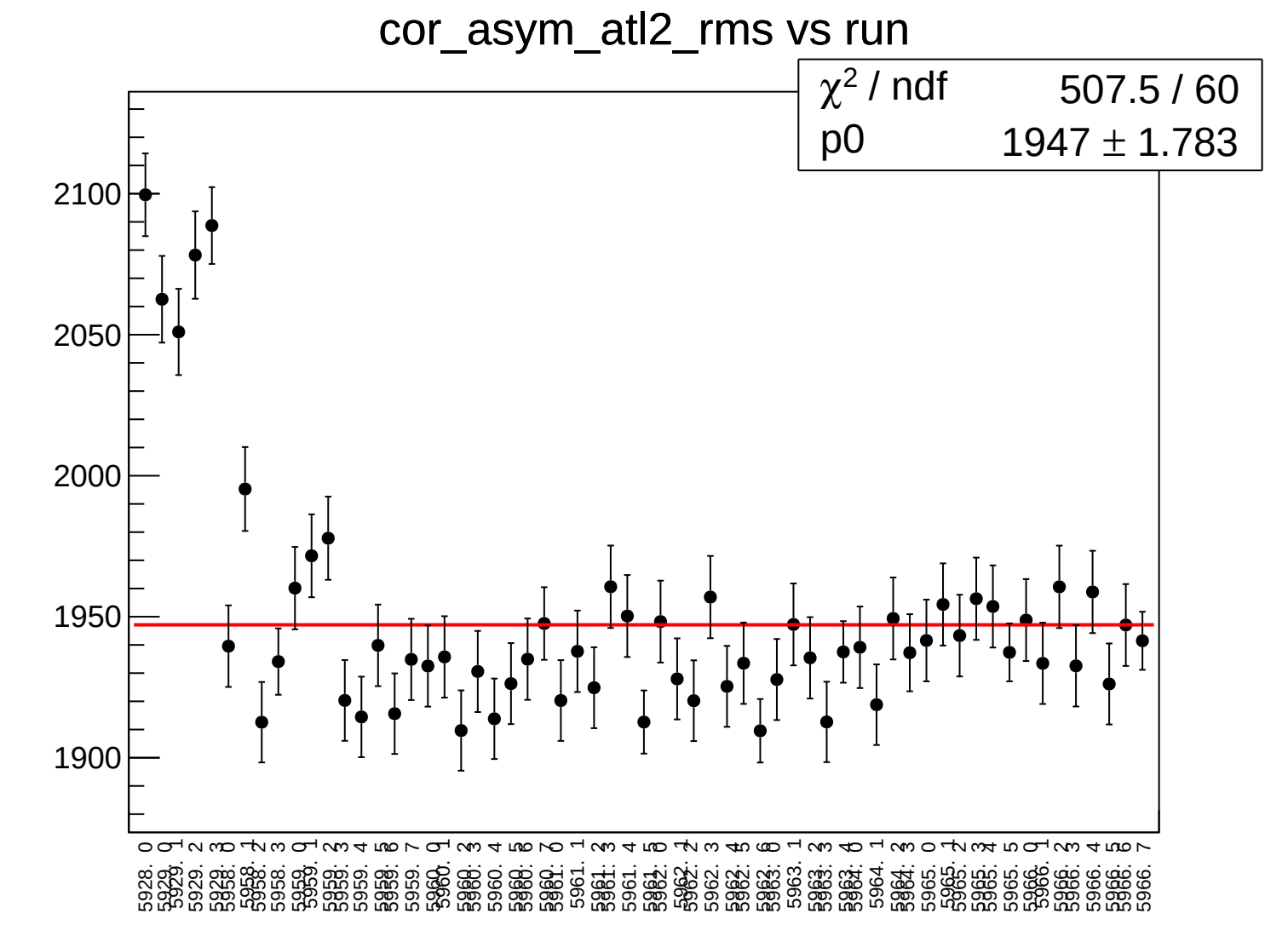

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 63.39 / 60
p0 −2517 ± 6775
250
200
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −129.6
Std Dev 0
3
2
1
0
−1
−2

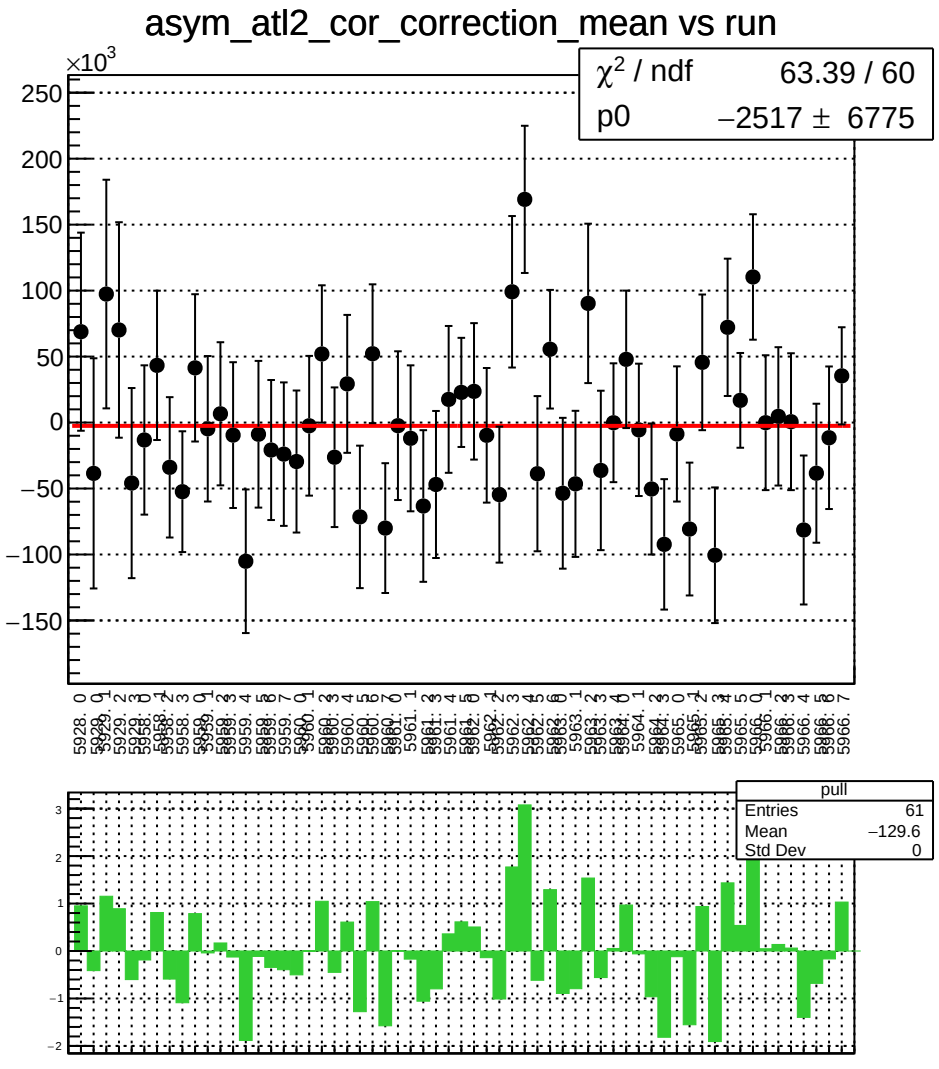

pull1D
Entries 61
Mean −0.001578
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

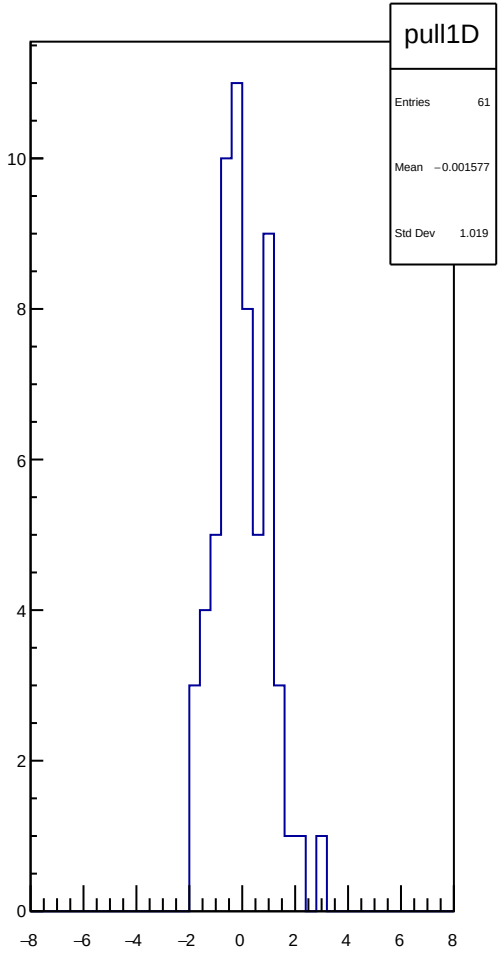

asym_atl2_reg_correction_rms vs run
χ² / ndf 1.48e+04 / 60
p0 5199 ± 4.79
8500
8000
7500
7000
6500
6000
5500
5000
4500

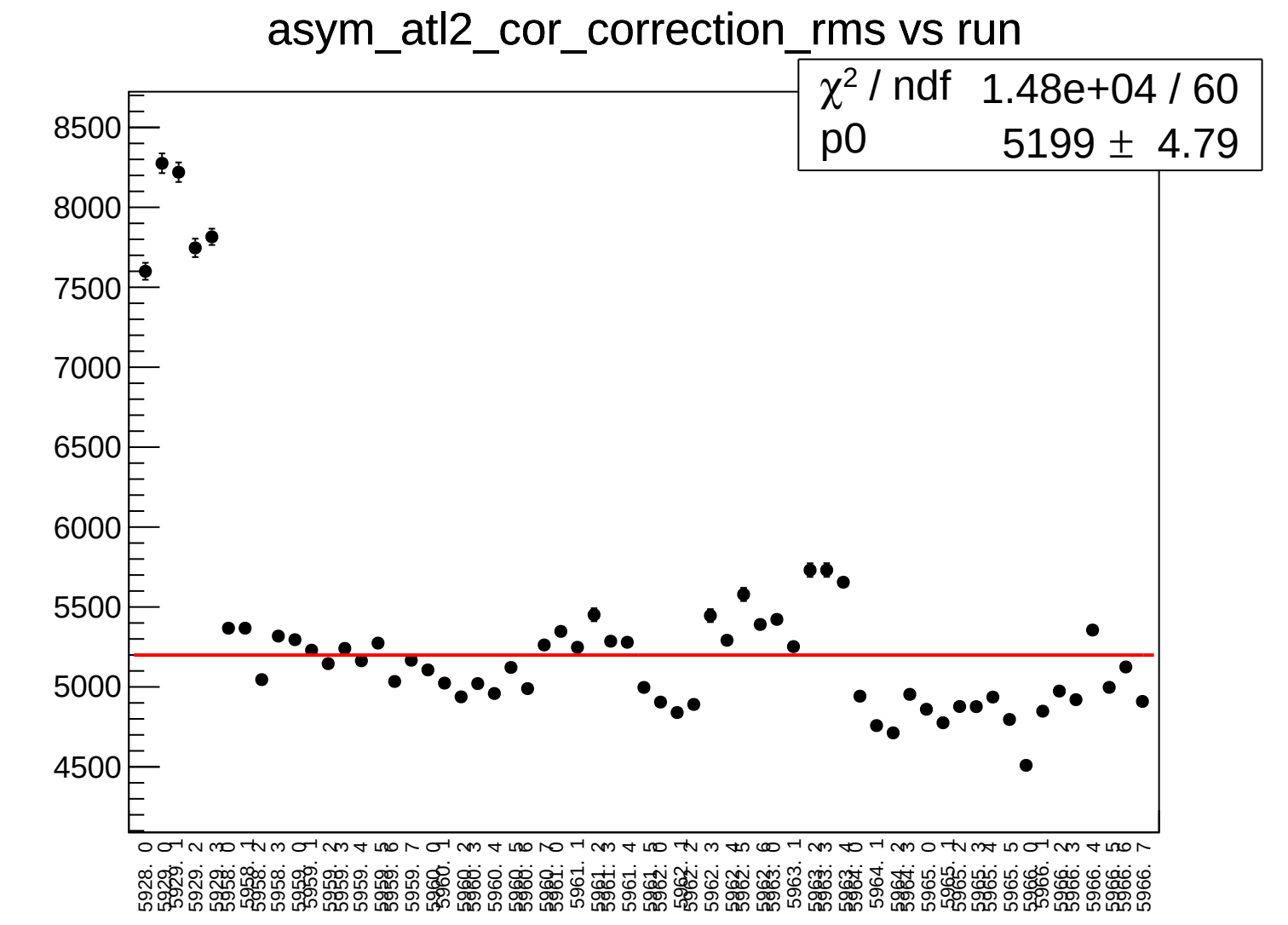

cor_asym_atl2_mean vs run
χ² / ndf 75.05 / 60
p0 −3375 ± 2522
×10³
pull
Entries 61
Mean −2890
Std Dev 0

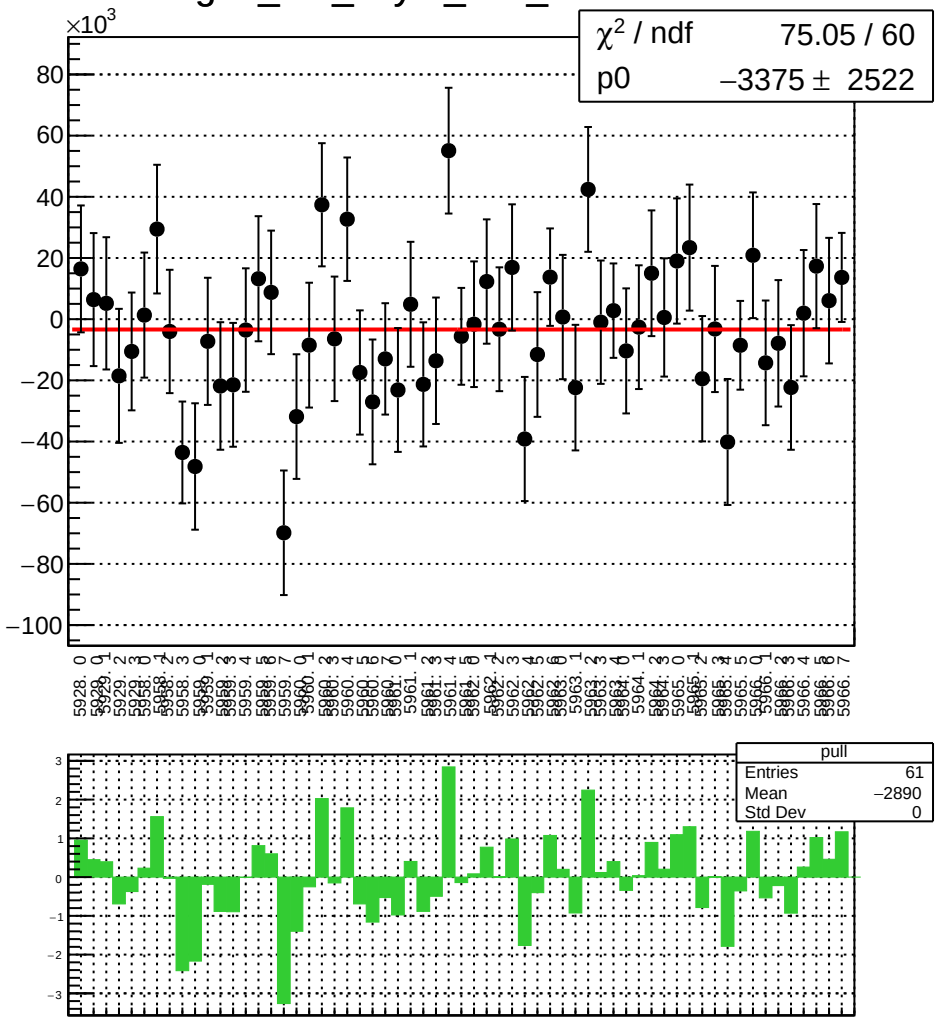

pull1D
Entries 61
Mean −0.001035
Std Dev 1.109

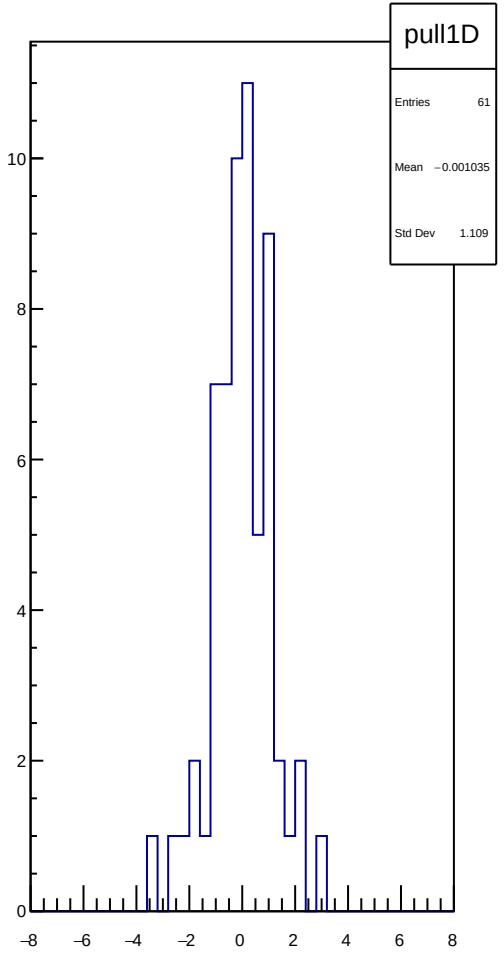

cor_asym_atl2_rms vs run
χ² / ndf 507.5 / 60
p0 1947 ± 1.783
2100
2050
2000
1950
1900

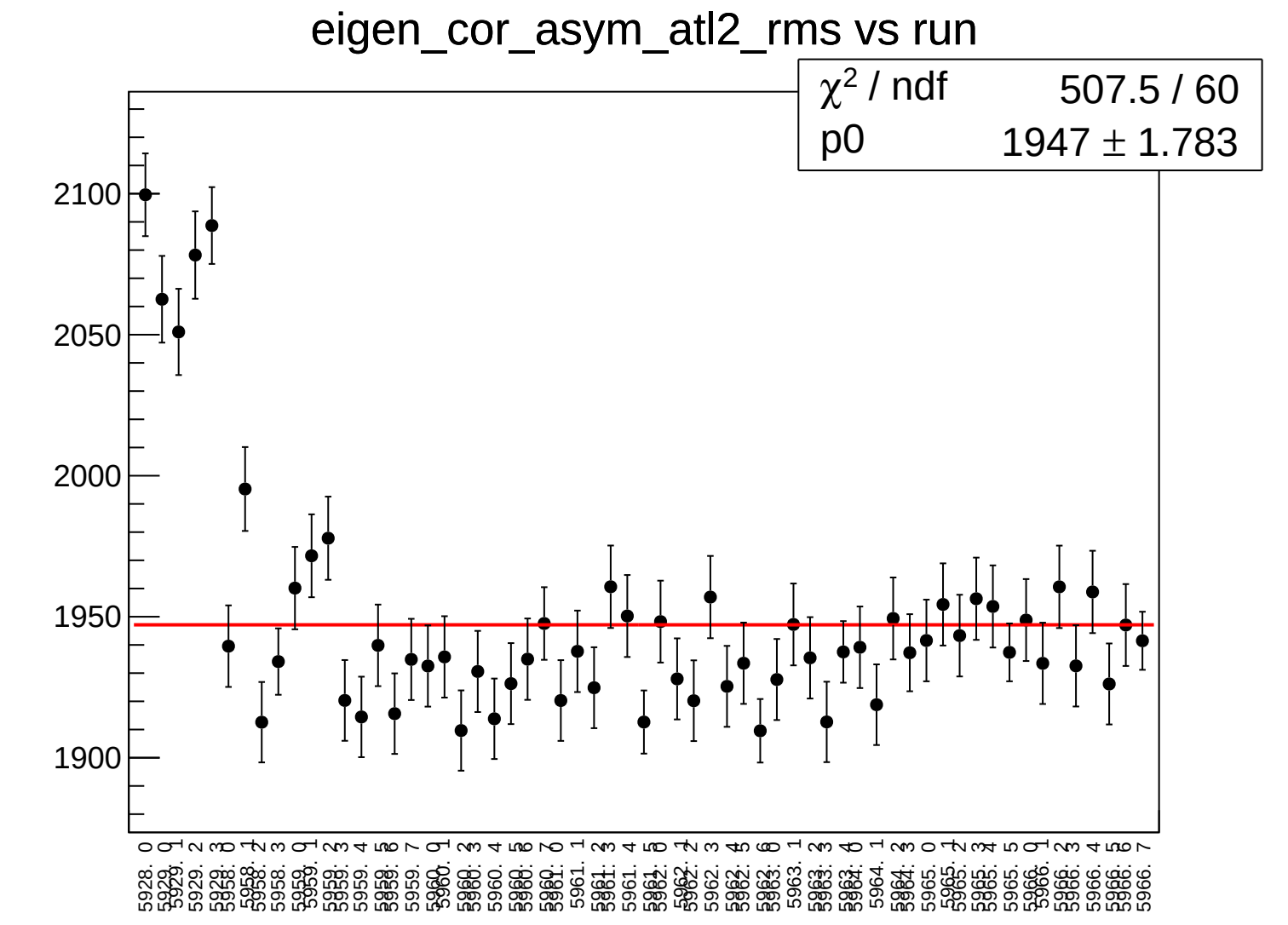

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 63.39 / 60
p0 −2517 ± 6775
pull
Entries 61
Mean −129.6
Std Dev 0

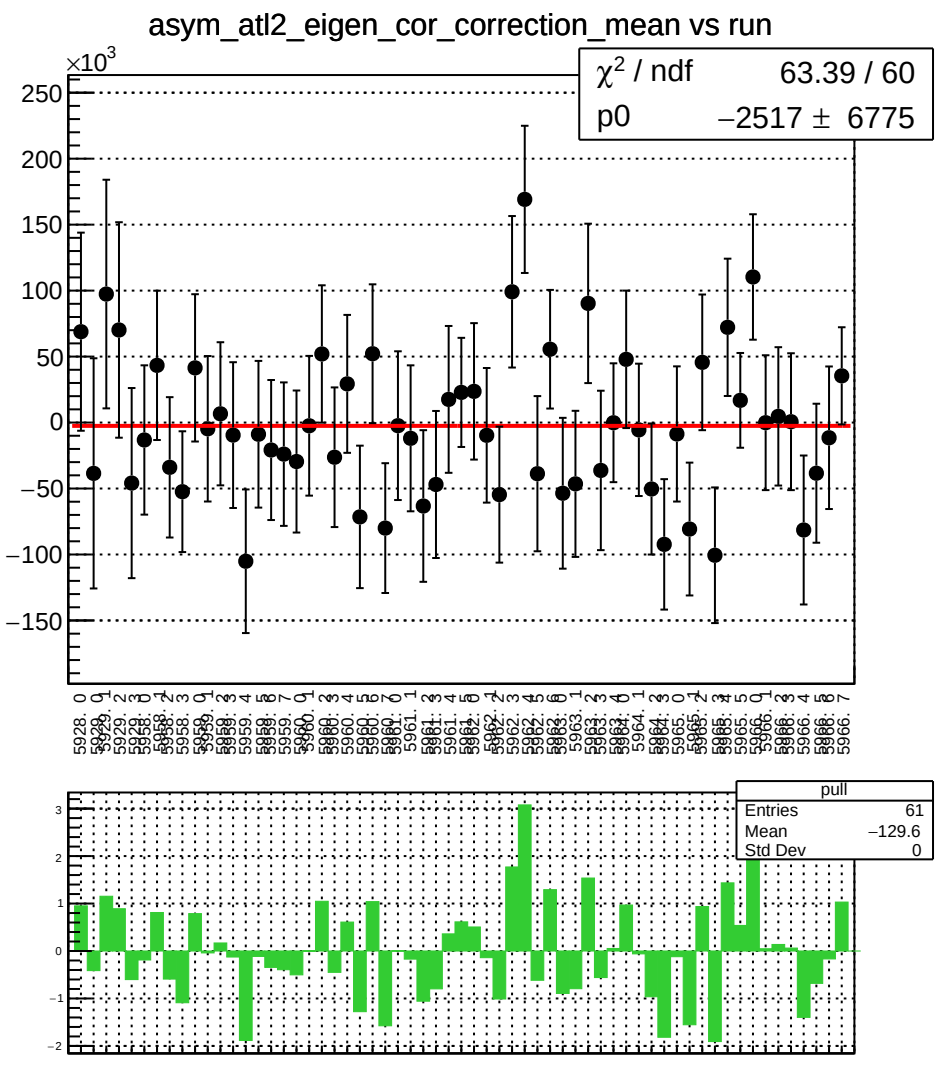

pull1D
Entries 61
Mean −0.001577
Std Dev 1.019

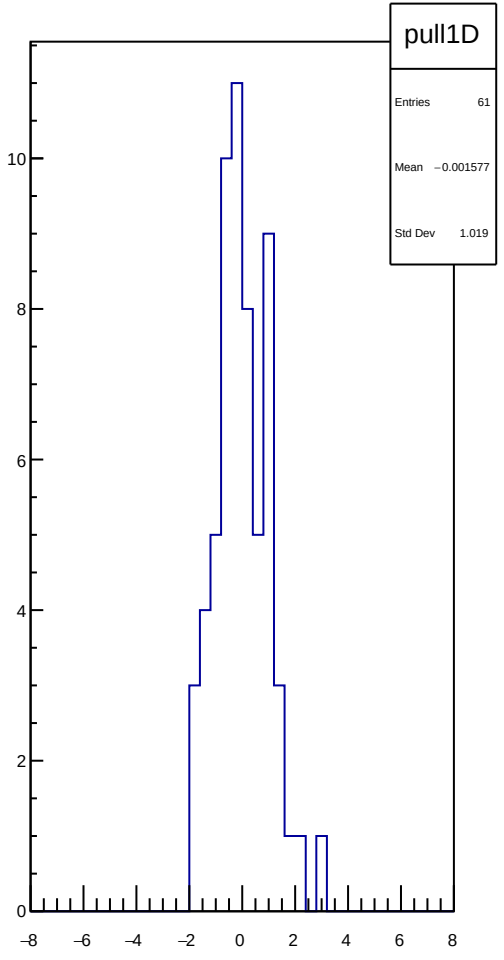

asym_atl2_cor_correction_rms vs run
χ² / ndf 1.48e+04 / 60
p0 5199 ± 4.79
8500
8000
7500
7000
6500
6000
5500
5000
4500

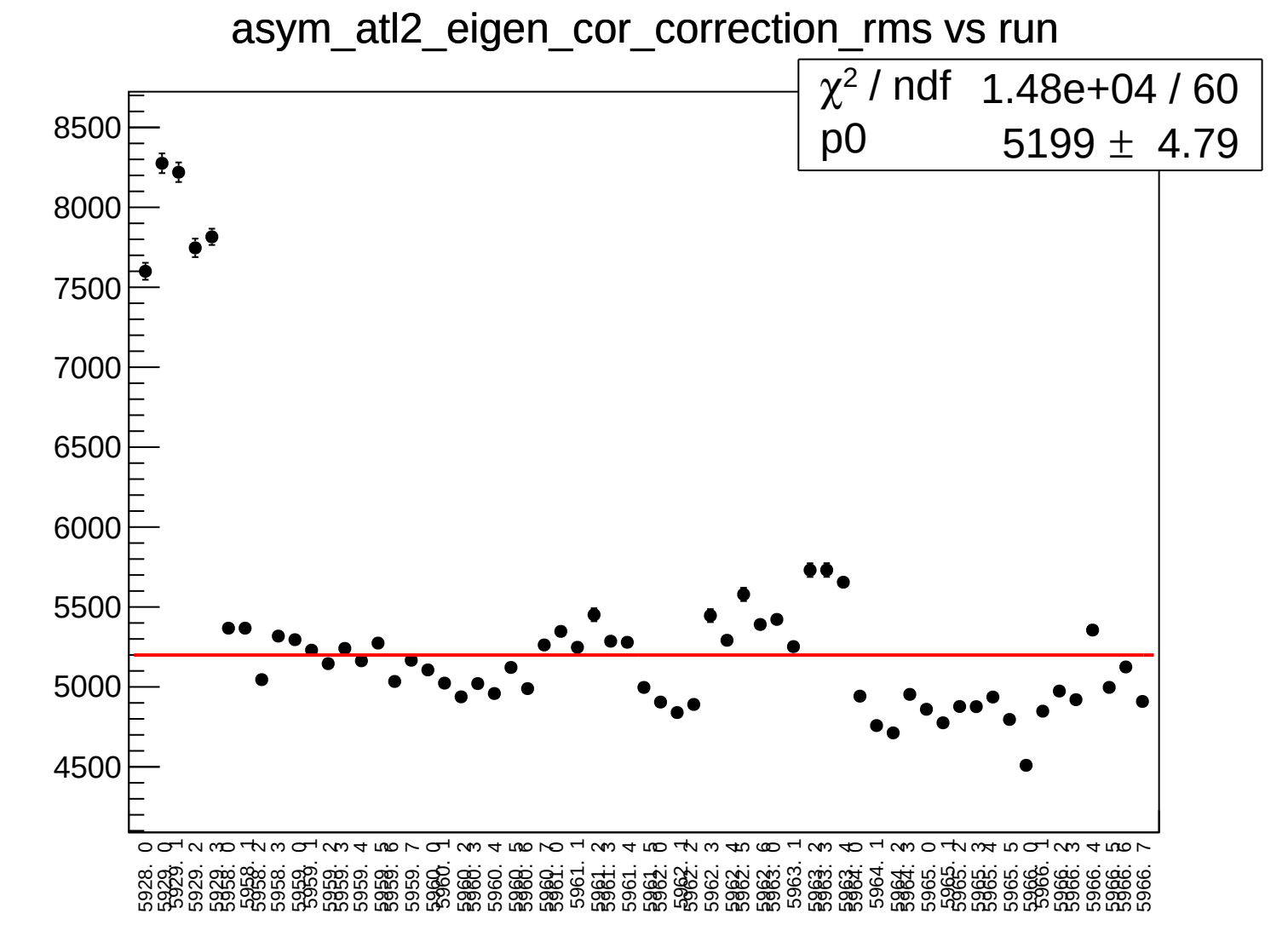

eigen_cor_asym_atl2_mean vs run
χ² / ndf 75.05 / 60
p0 −3375 ± 2522
pull
Entries 61
Mean −2890
Std Dev 0

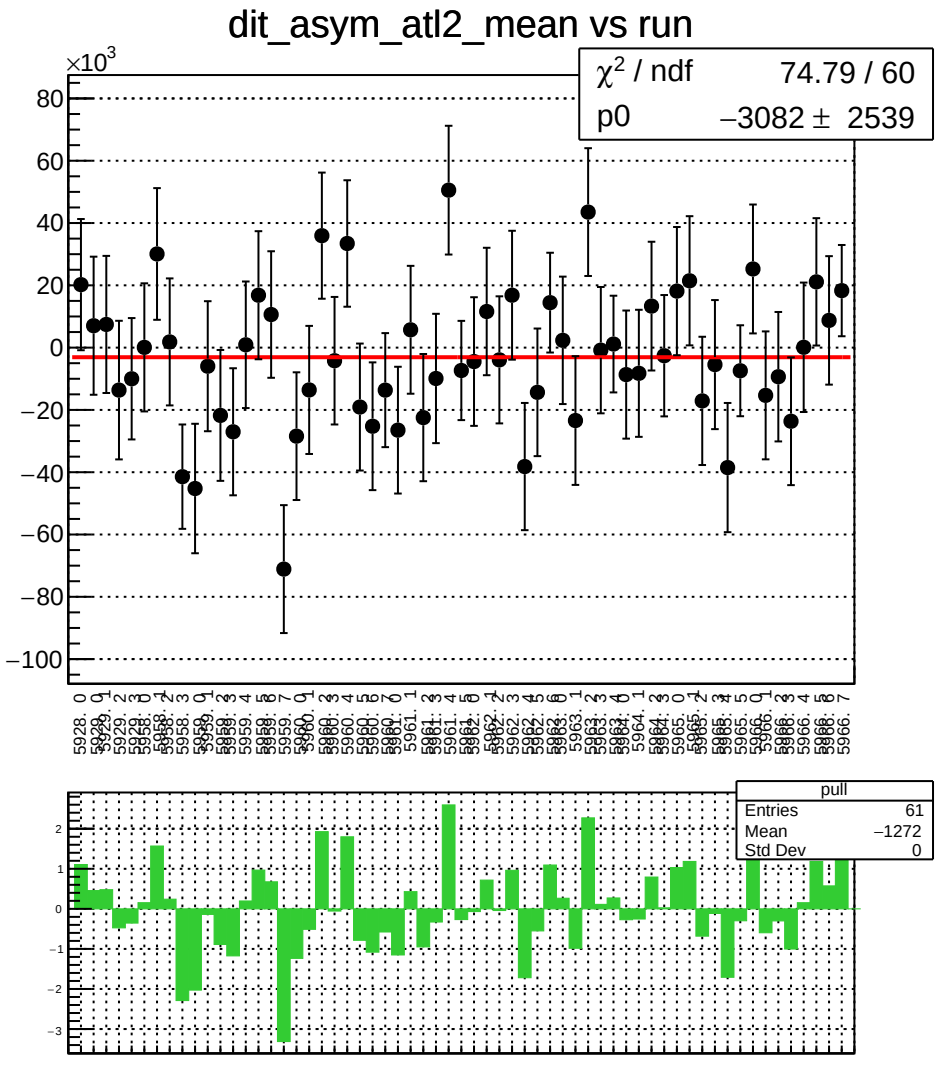

pull1D
Entries 61
Mean −0.001035
Std Dev 1.109

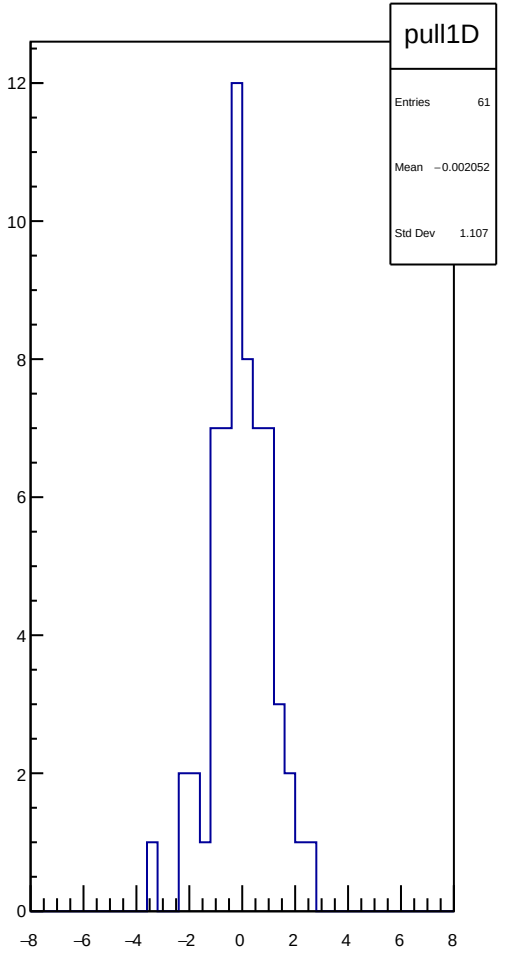

eigen_cor_asym_atl2_rms vs run
χ² / ndf 507.5 / 60
p0 1947 ± 1.783
2100
2050
2000
1950
1900

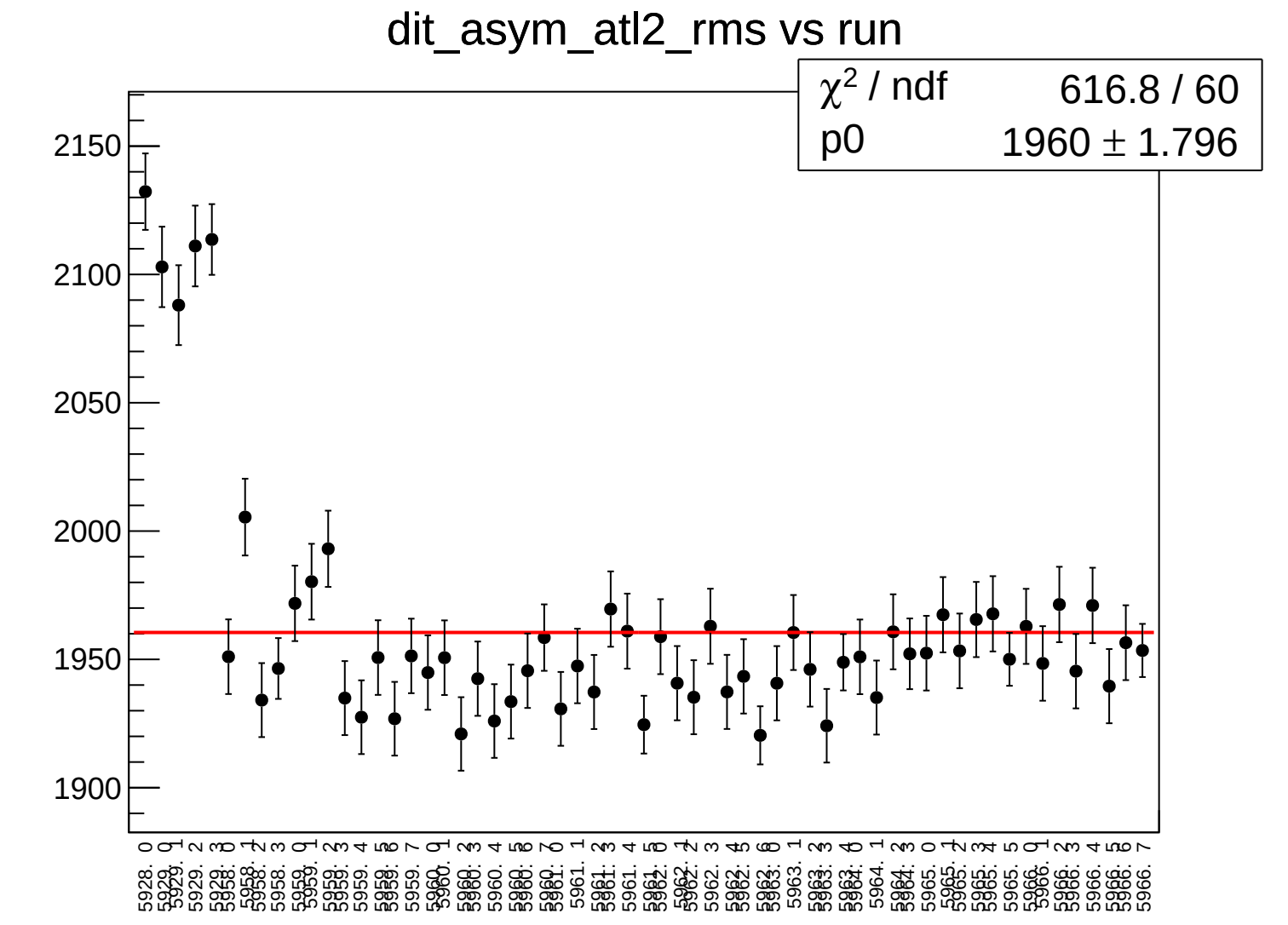

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 63.39 / 60
p0 −2517 ± 6775
250
200
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −129.6
Std Dev 0
3
2
1
0
−1
−2

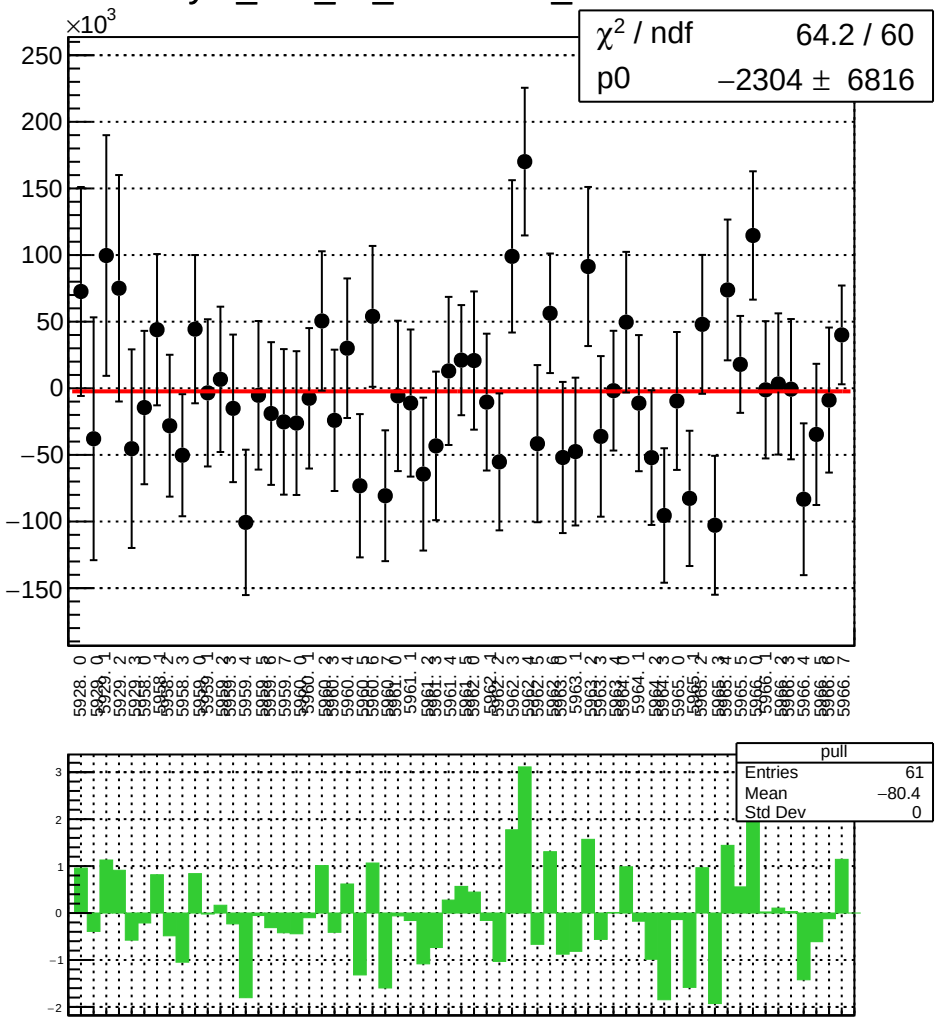

pull1D
Entries 61
Mean −0.001577
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

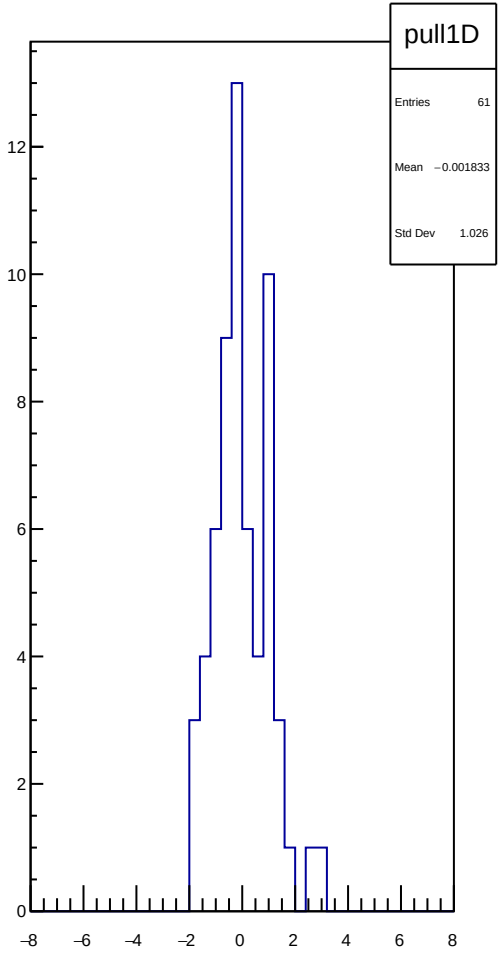

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1.48e+04 / 60
p0 5199 ± 4.79
8500
8000
7500
7000
6500
6000
5500
5000
4500

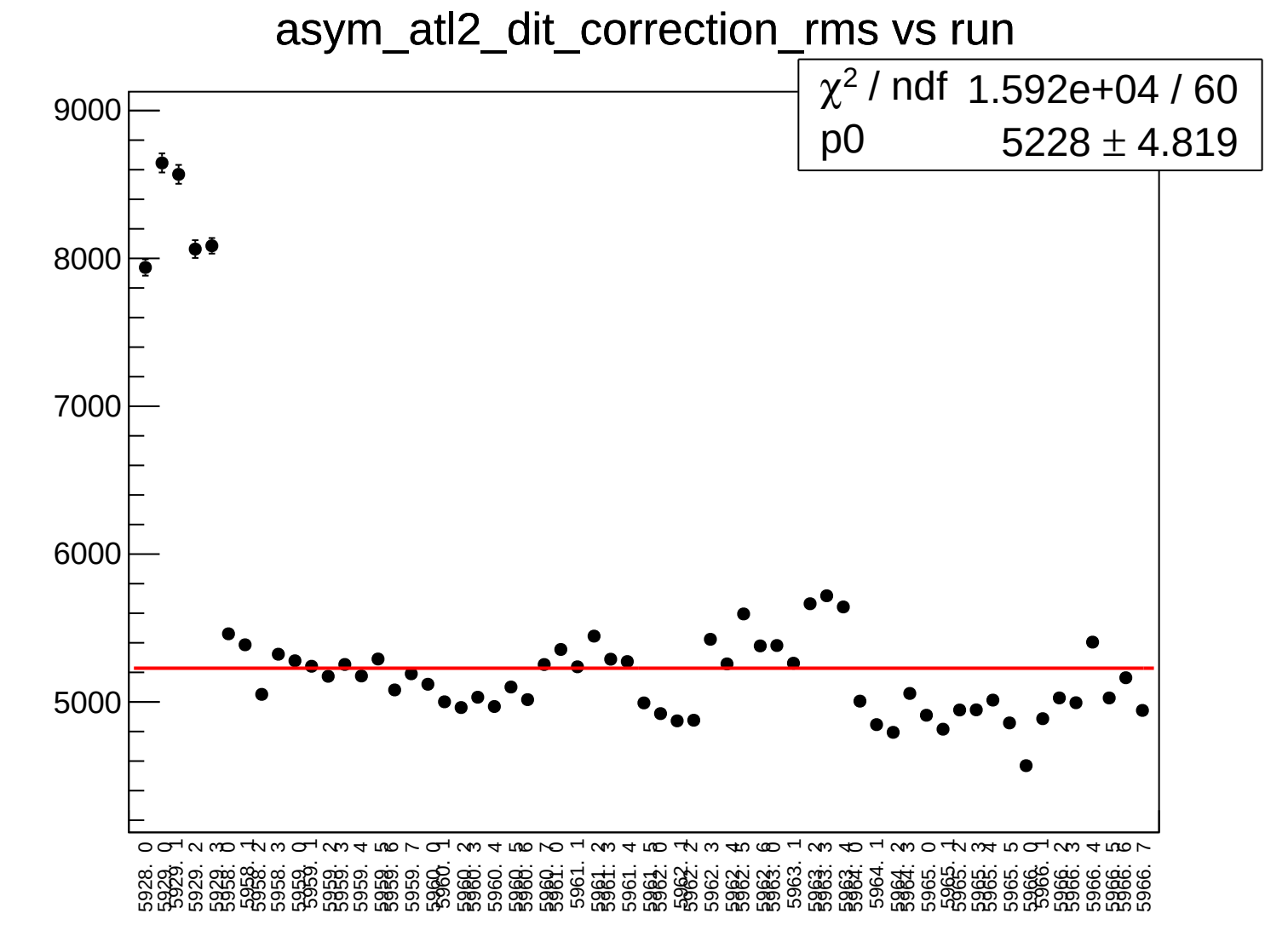

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 74.79 / 60
p0 −3082 ± 2539
pull
Entries 61
Mean −1272
Std Dev 0

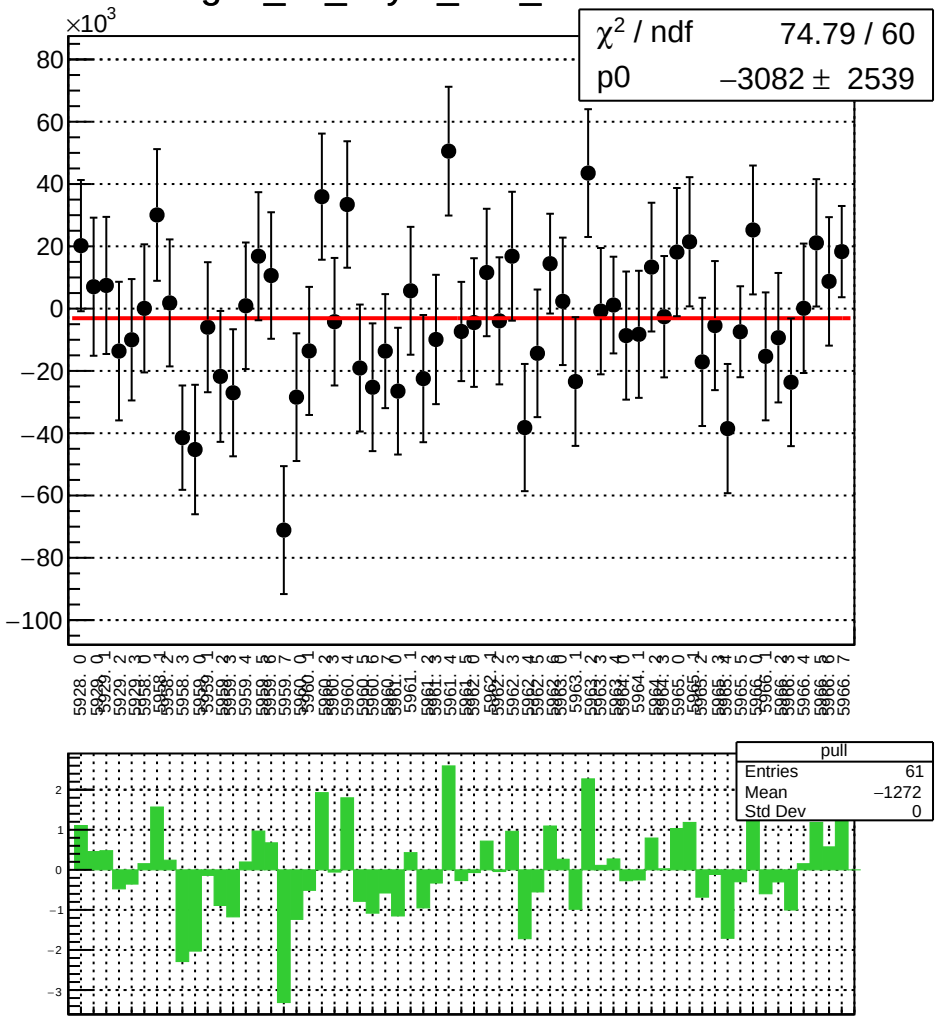

pull1D
Entries 61
Mean −0.002052
Std Dev 1.107

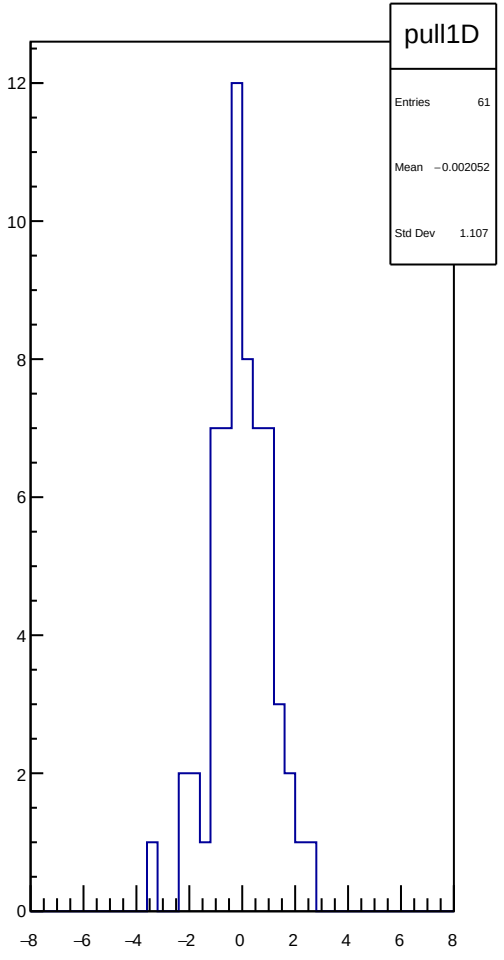

dit_asym_atl2_rms vs run
χ² / ndf 616.8 / 60
p0 1960 ± 1.796
2150
2100
2050
2000
1950
1900

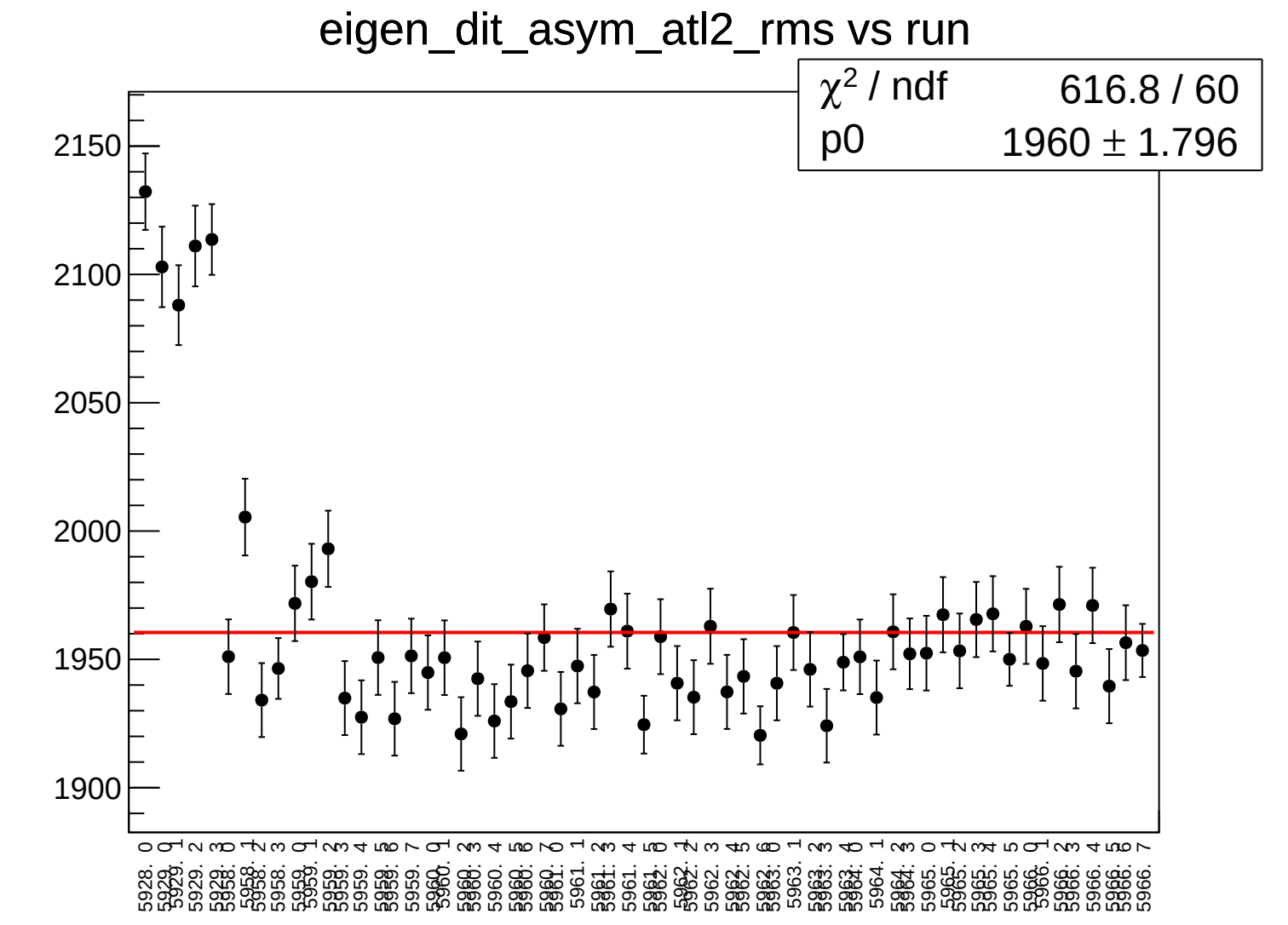

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 64.2 / 60
p0 −2304 ± 6816
pull
Entries 61
Mean −80.4
Std Dev 0

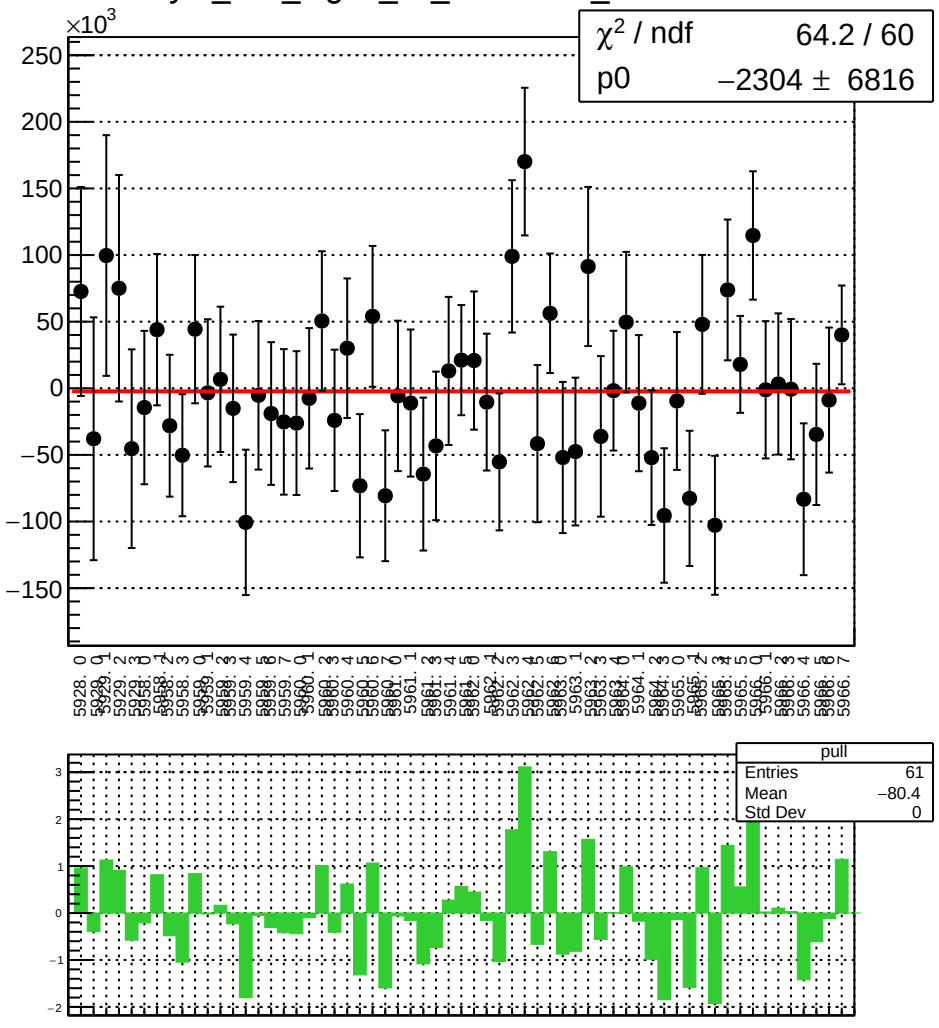

pull1D
Entries 61
Mean −0.001833
Std Dev 1.026

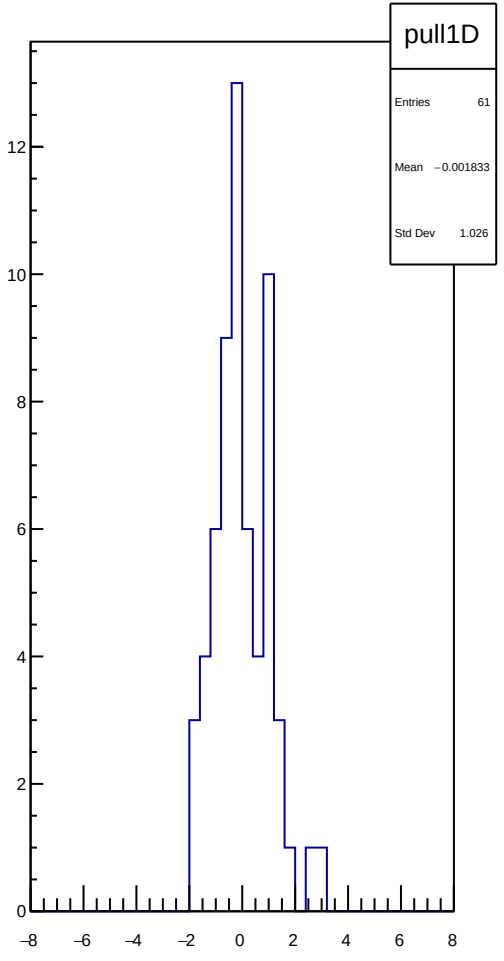

asym_atl2_dit_correction_rms vs run
χ² / ndf 1.592e+04 / 60
p0 5228 ± 4.819
9000
8000
7000
6000
5000

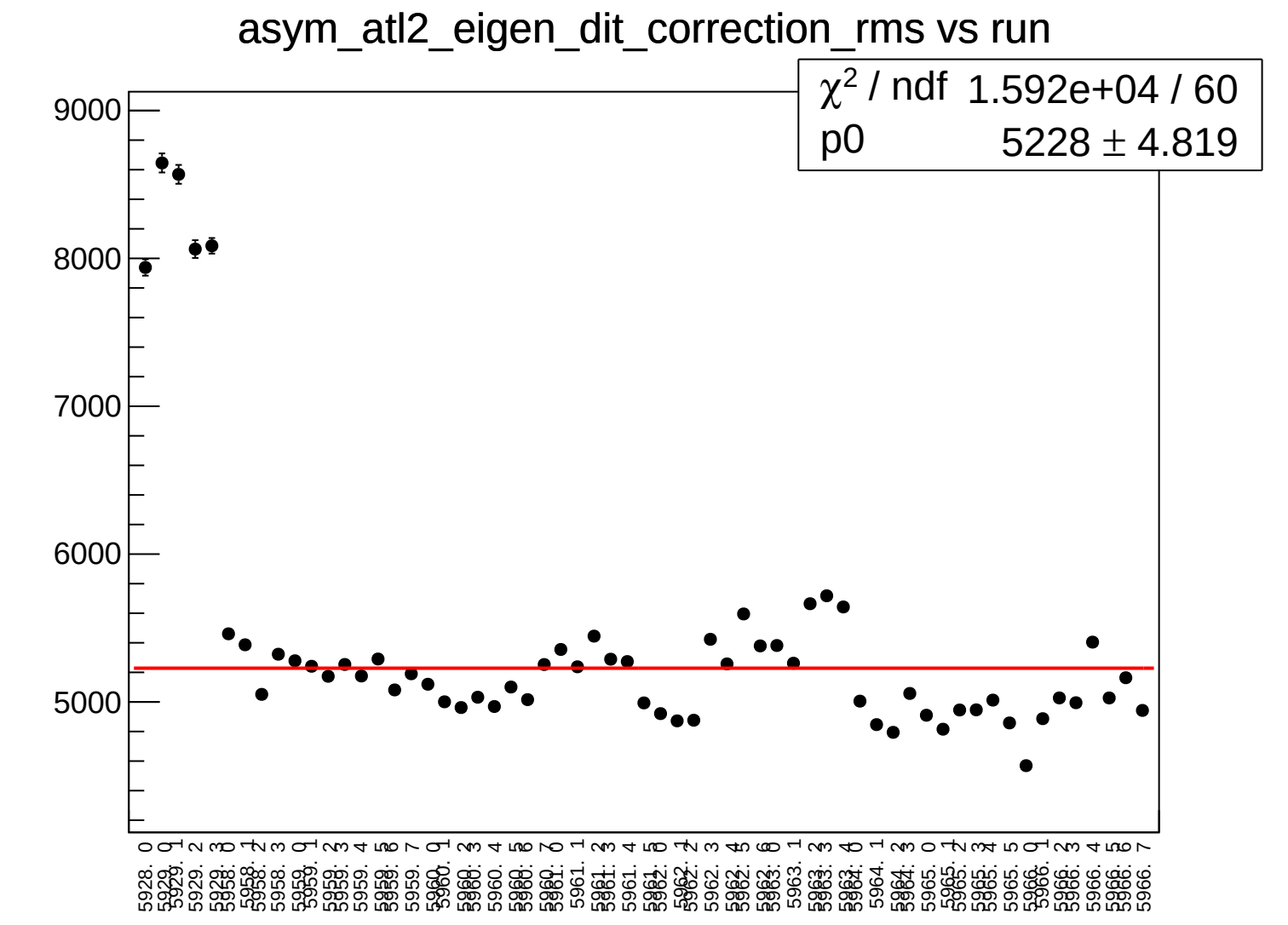

eigen_dit_asym_atl2_mean vs run
χ² / ndf 74.79 / 60
p0 −3082 ± 2539
pull
Entries 61
Mean −1272
Std Dev 0

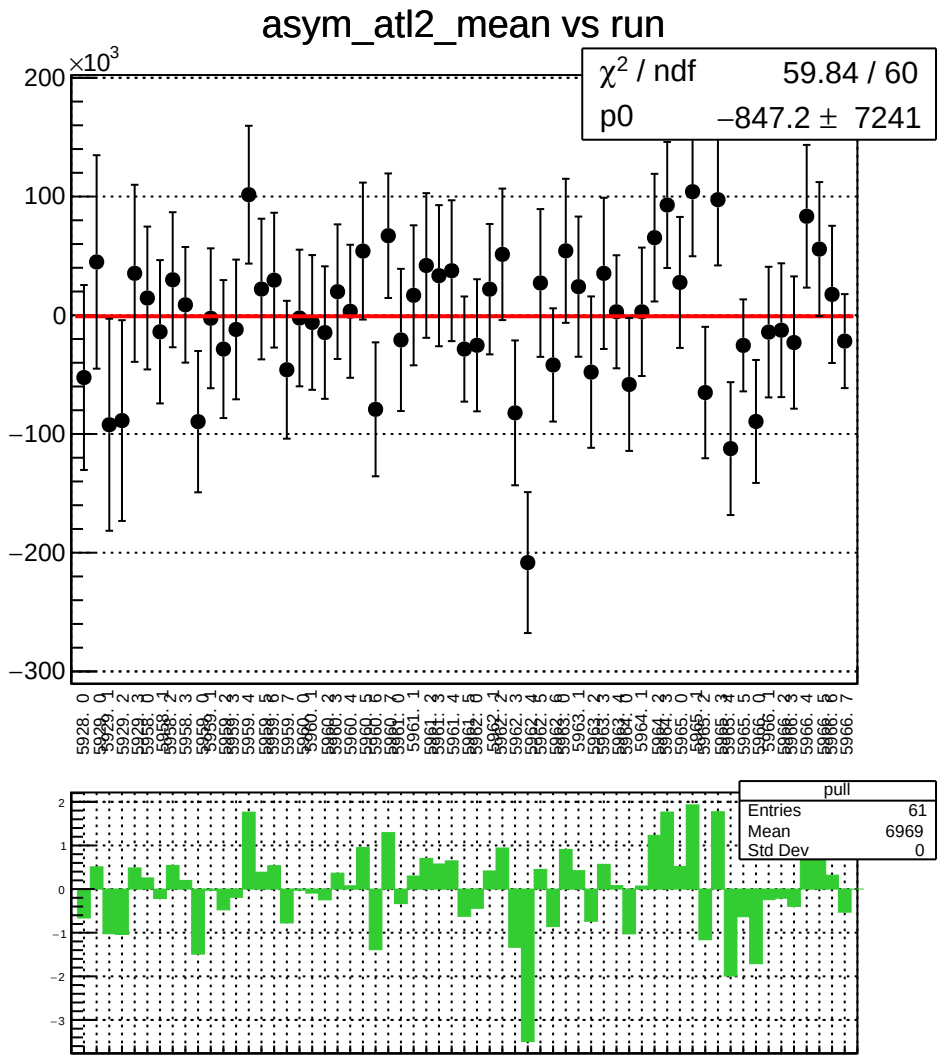

pull1D
Entries 61
Mean −0.002052
Std Dev 1.107

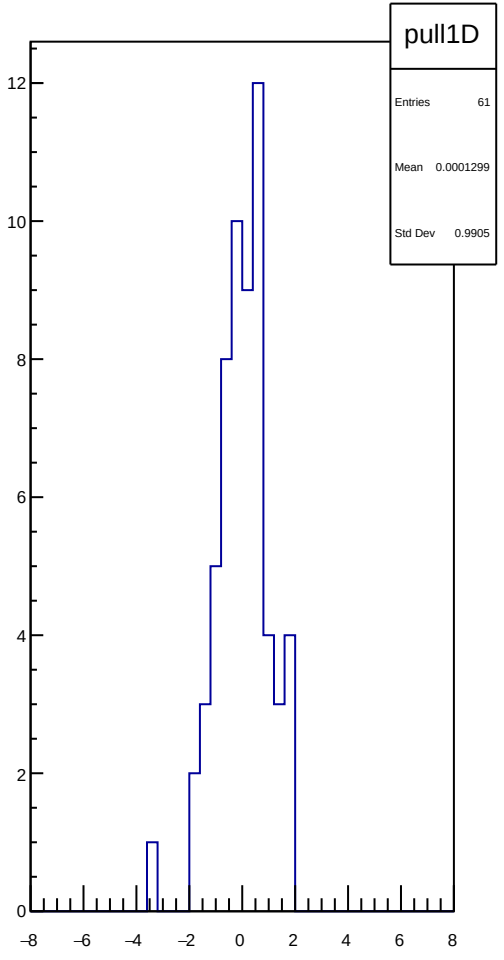

eigen_dit_asym_atl2_rms vs run
χ² / ndf 616.8 / 60
p0 1960 ± 1.796
2150
2100
2050
2000
1950
1900

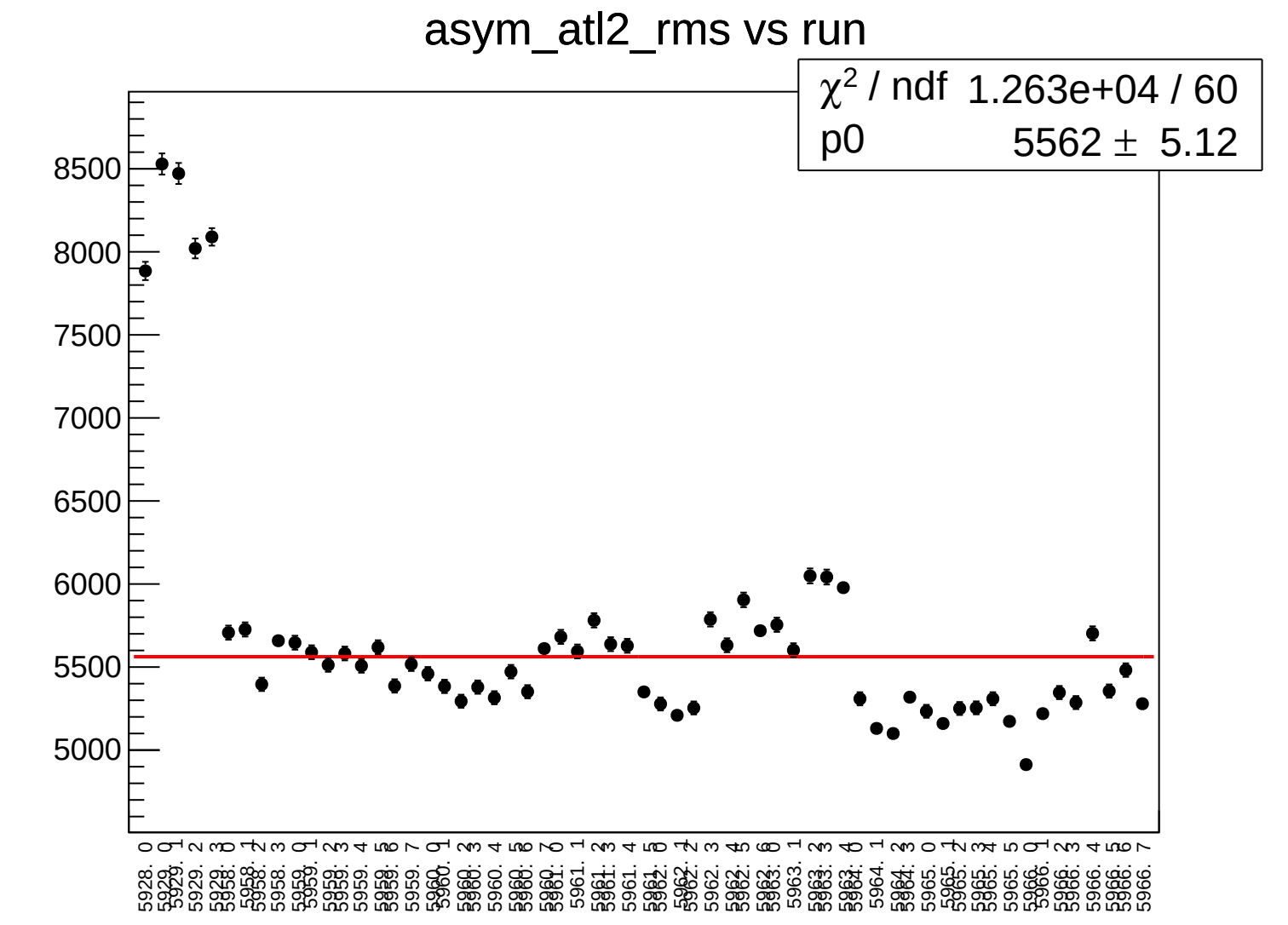

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 64.2 / 60
p0 −2304 ± 6816
pull
Entries 61
Mean −80.4
Std Dev 0

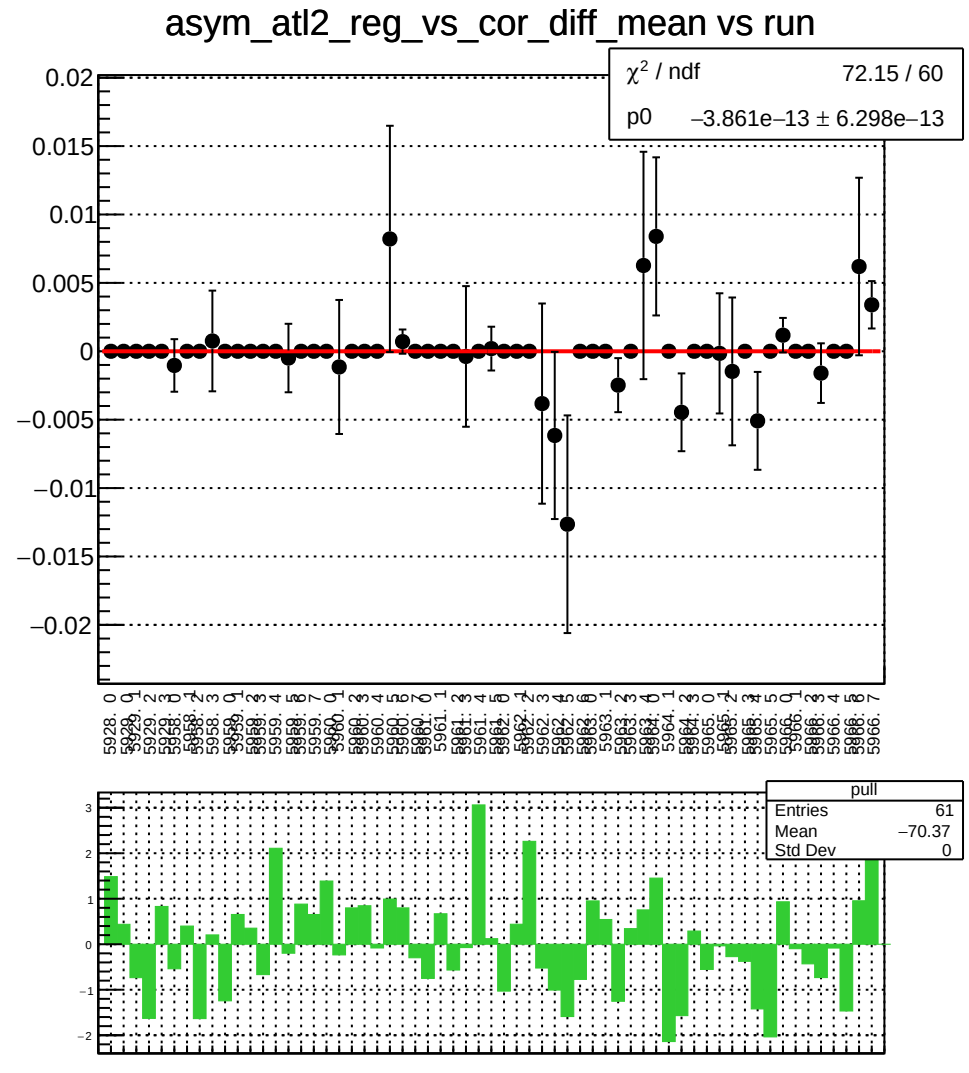

pull1D
Entries 61
Mean −0.001833
Std Dev 1.026

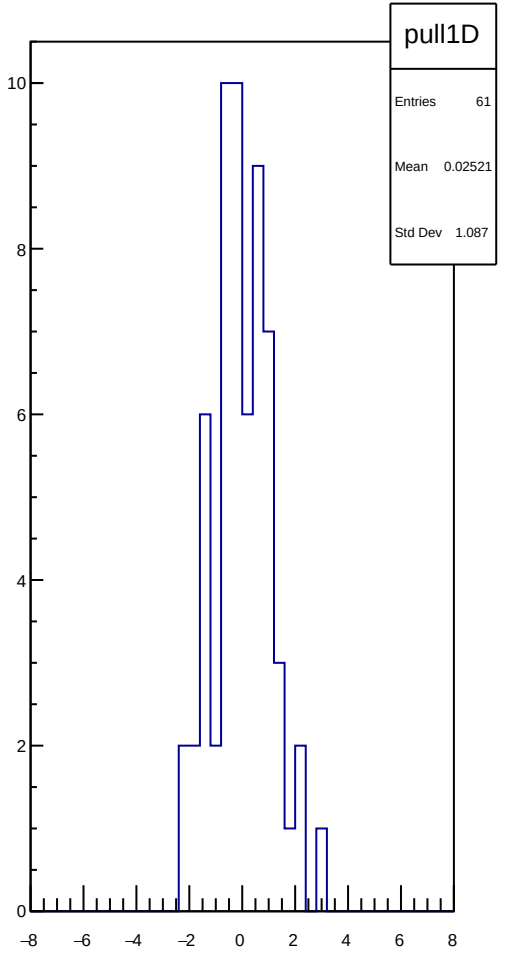

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 1.592e+04 / 60
p0 5228 ± 4.819
9000
8000
7000
6000
5000

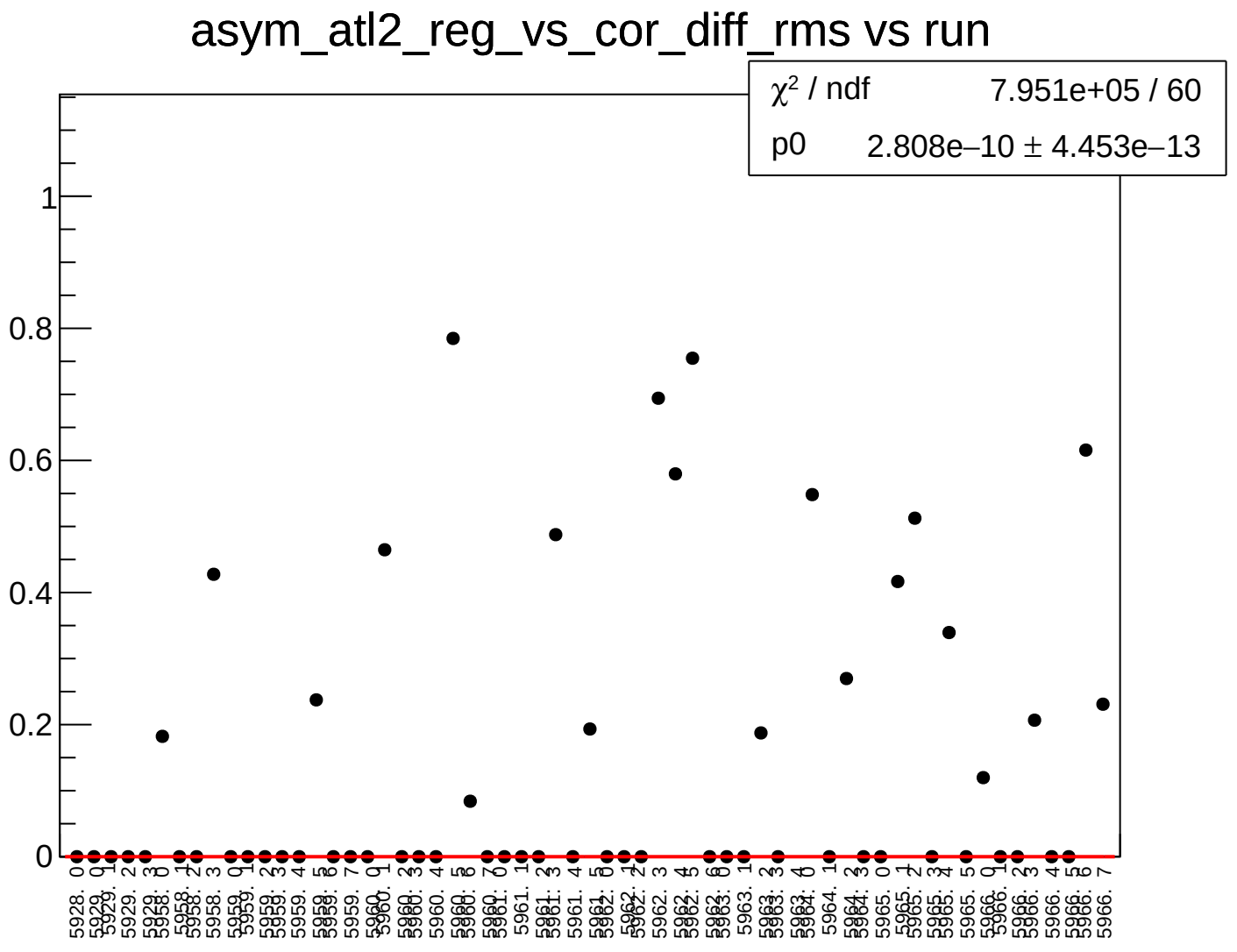

asym_atl2_mean vs run
χ² / ndf 59.84 / 60
p0 −847.2 ± 7241
×10³
pull
Entries 61
Mean 6969
Std Dev 0

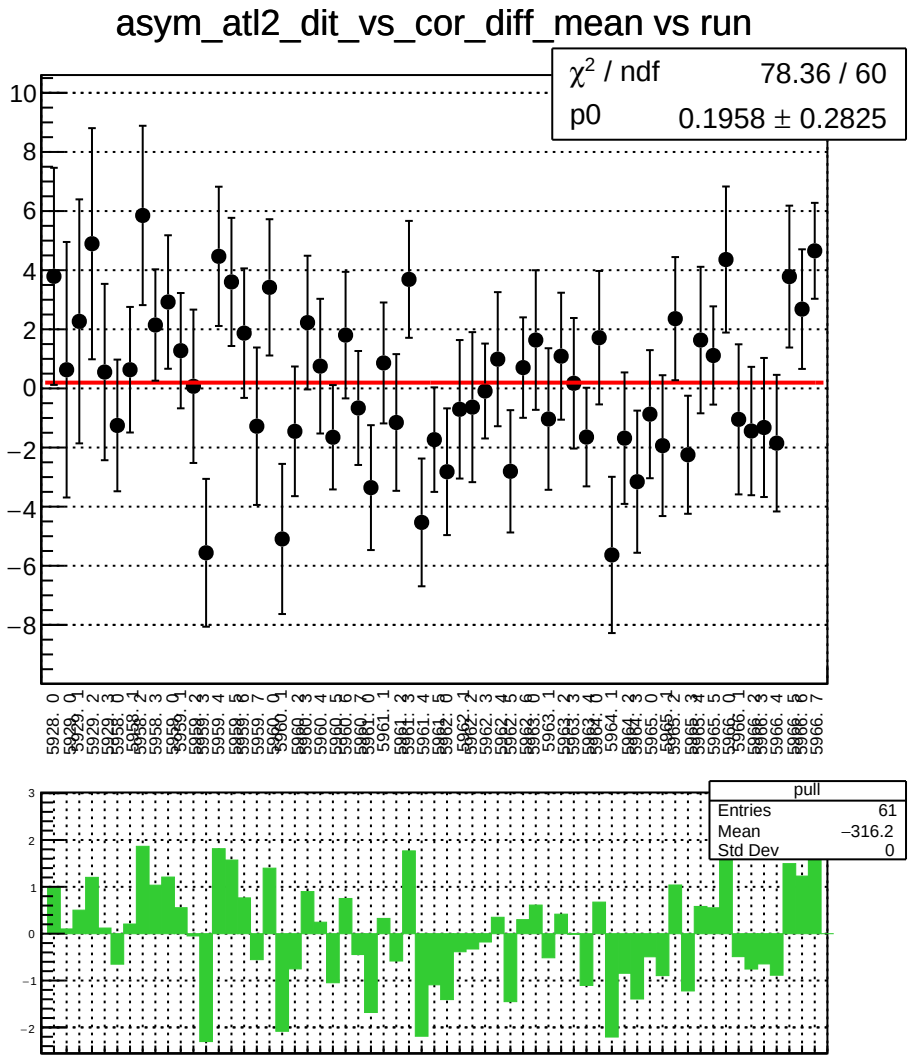

pull1D
Entries 61
Mean 0.0001299
Std Dev 0.9905

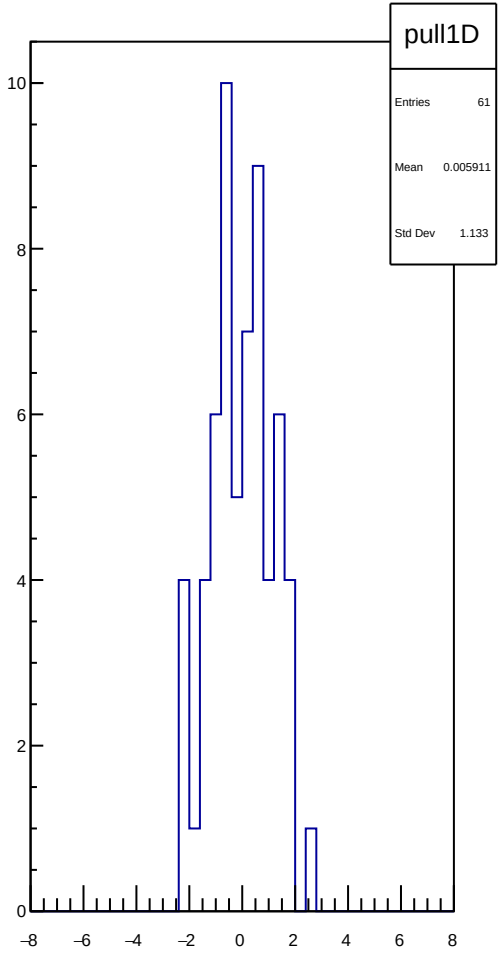

asym_atl2_rms vs run
χ² / ndf 1.263e+04 / 60
p0 5562 ± 5.12
8500
8000
7500
7000
6500
6000
5500
5000

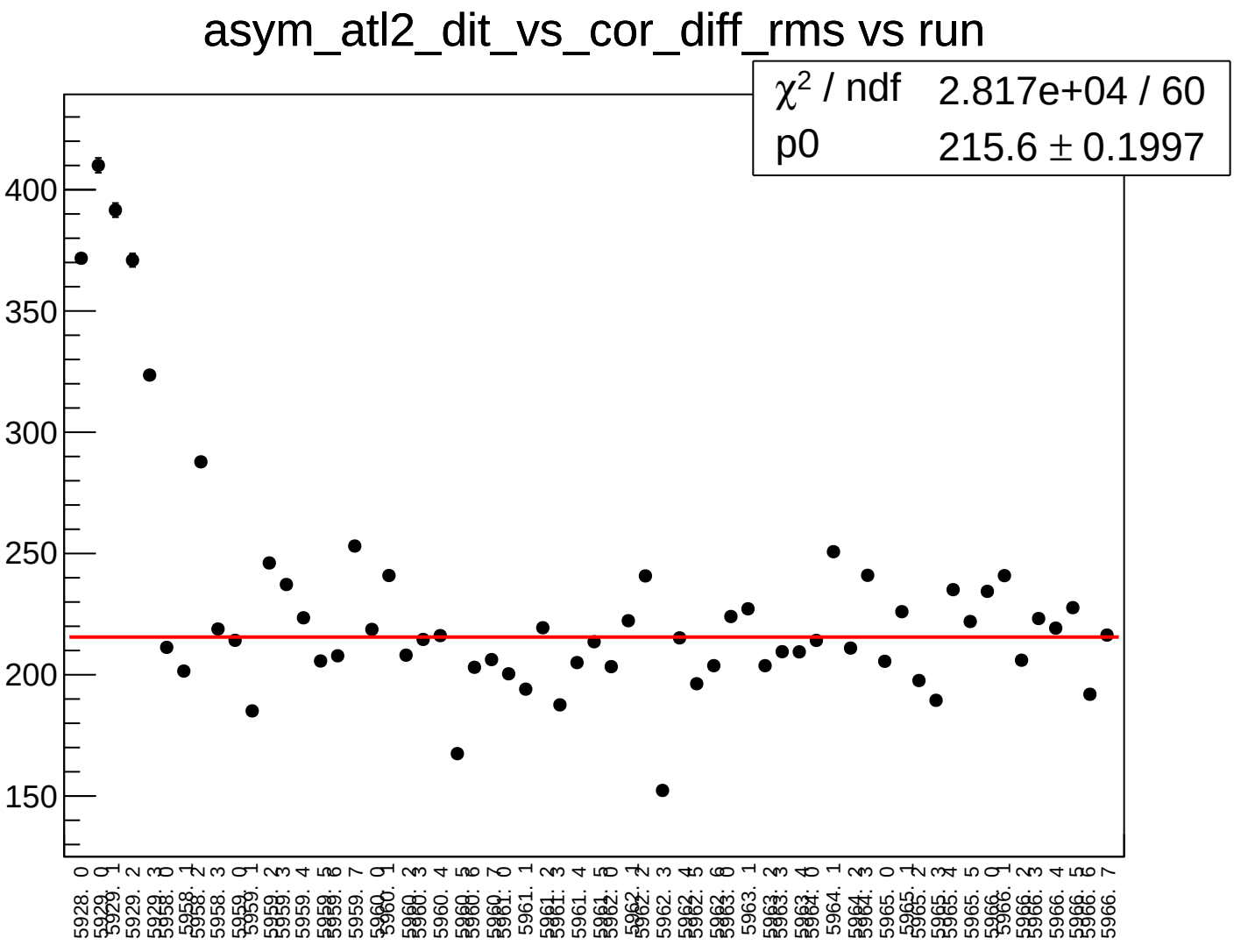

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 72.15 / 60
p0 −3.861e−13 ± 6.298e−13
pull
Entries 61
Mean −70.37
Std Dev 0

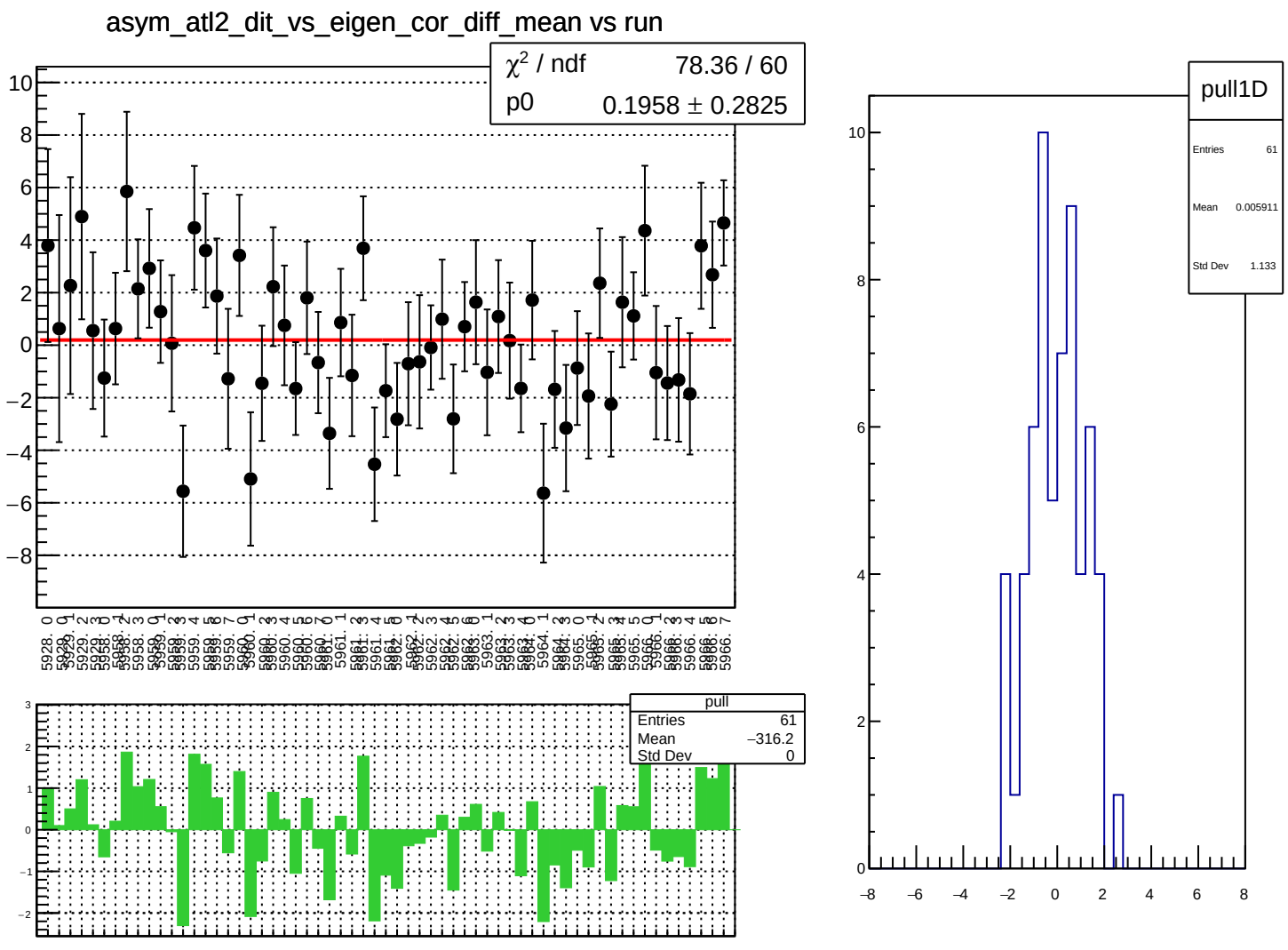

pull1D
Entries 61
Mean 0.02521
Std Dev 1.087

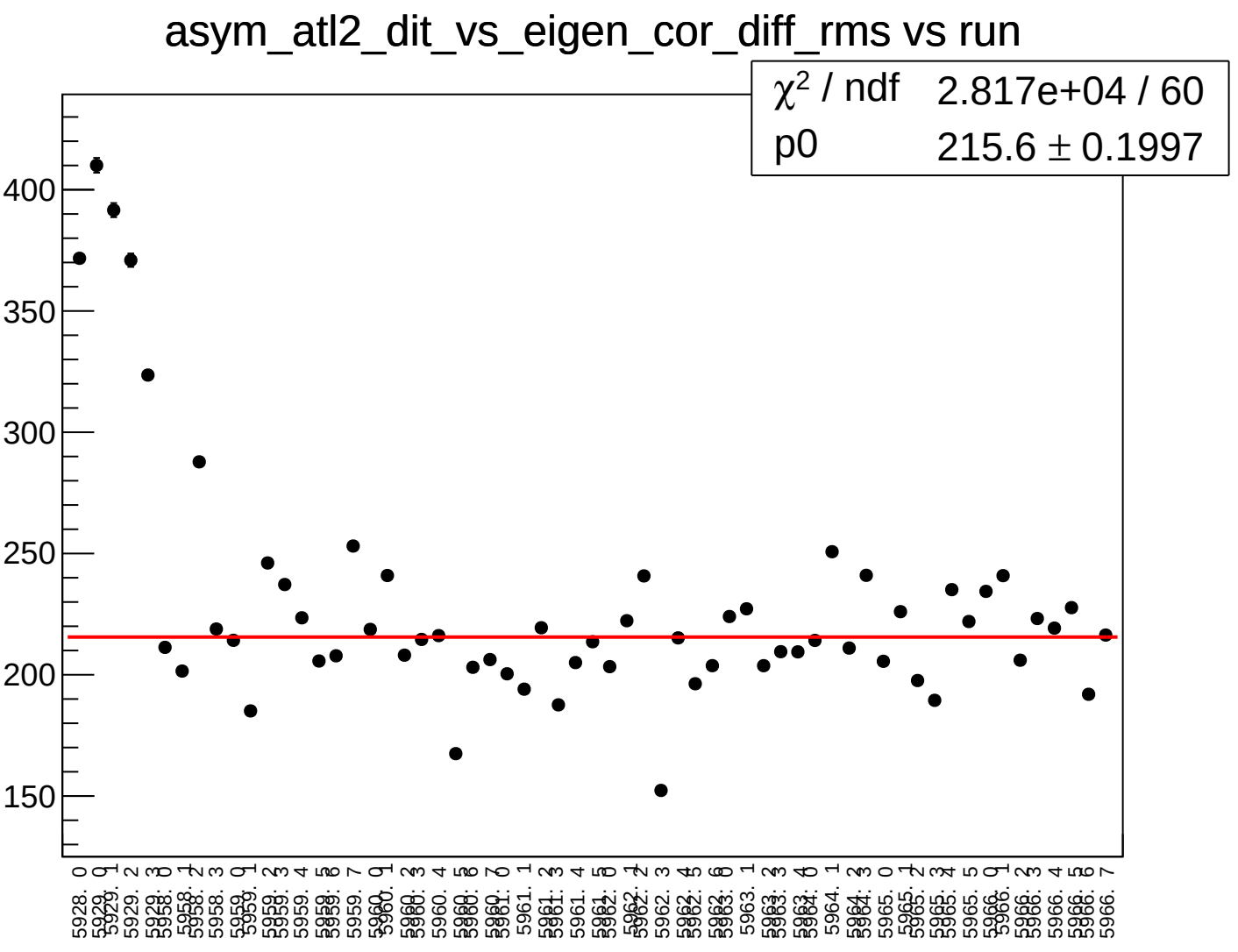

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.951e+05 / 60
p0 2.808e−10 ± 4.453e−13
1
0.8
0.6
0.4
0.2
0

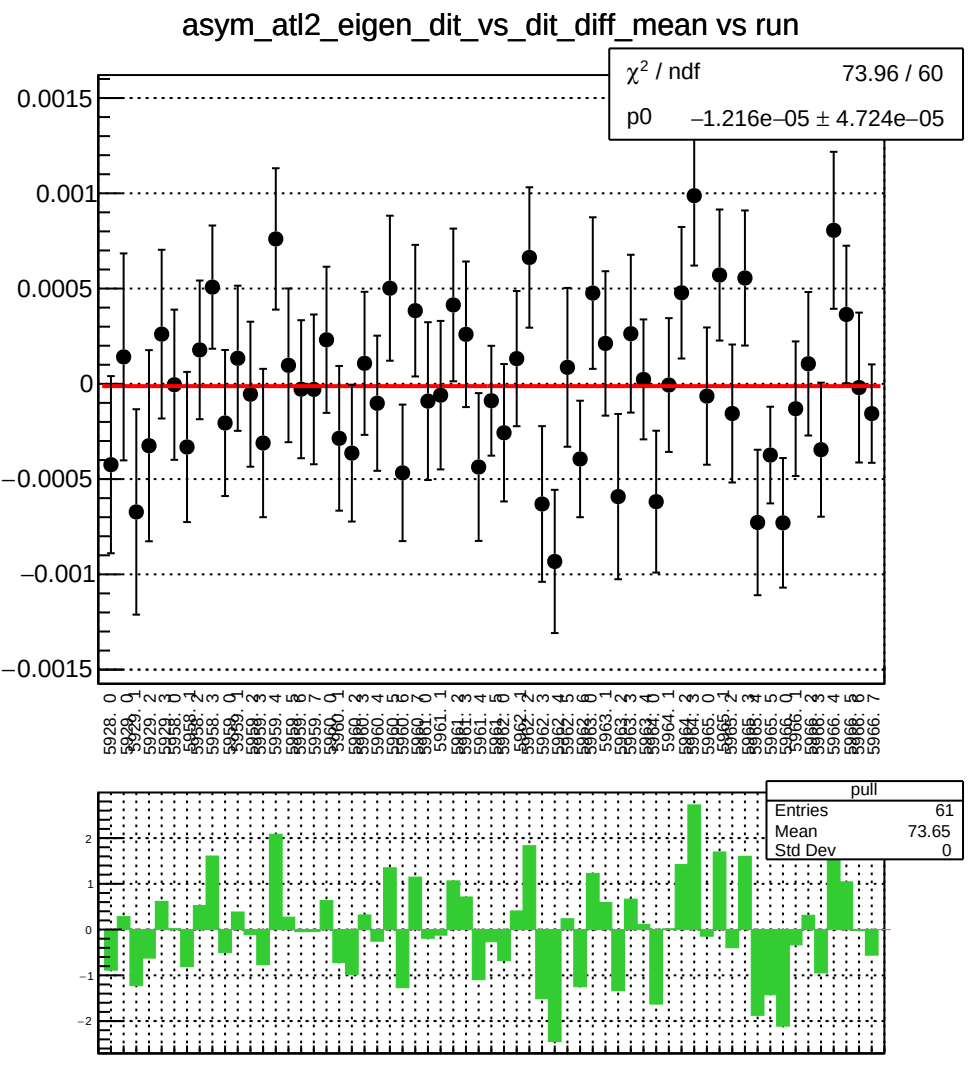

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 78.36 / 60
p0 0.1958 ± 0.2825
pull
Entries 61
Mean −316.2
Std Dev 0

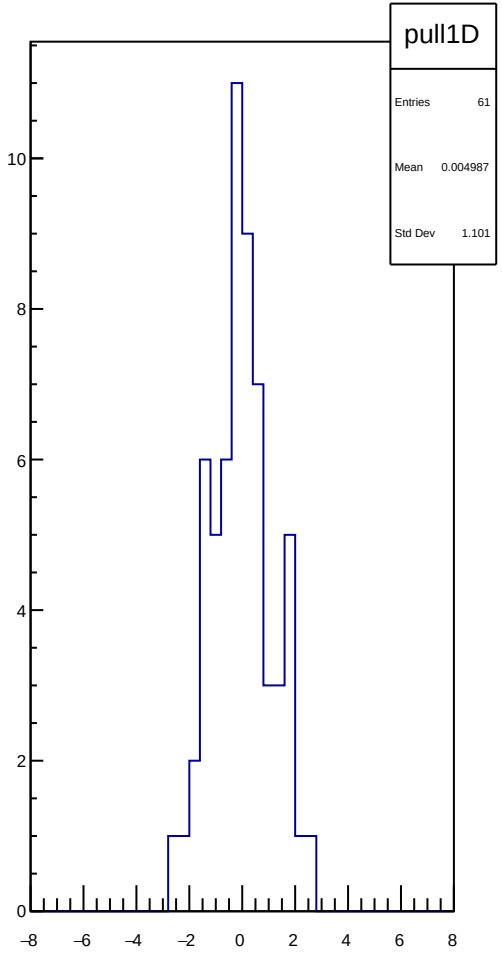

pull1D
Entries 61
Mean 0.005911
Std Dev 1.133

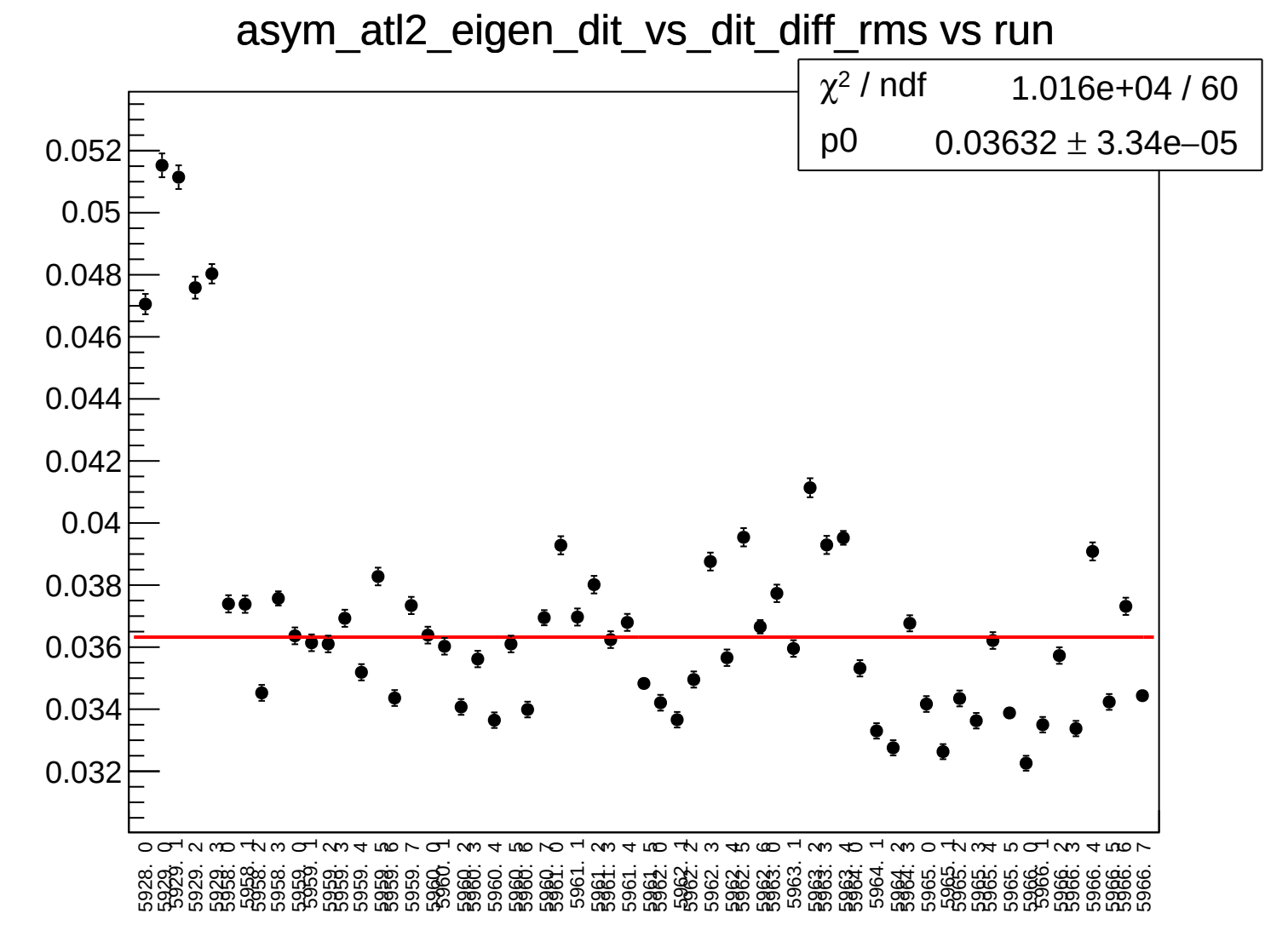

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.817e+04 / 60
p0 215.6 ± 0.1997
400
350
300
250
200
150

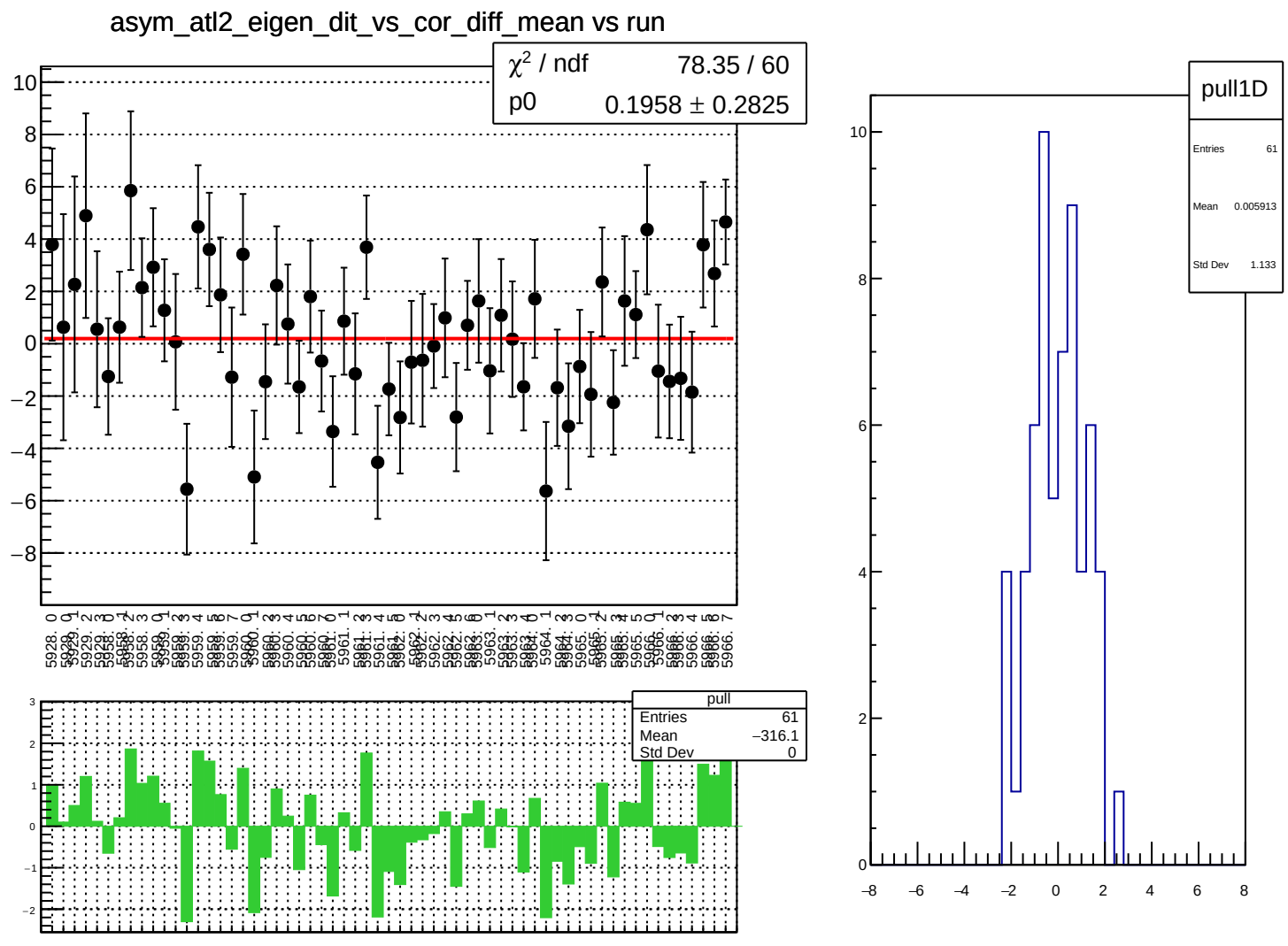

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.36 / 60
p0 0.1958 ± 0.2825
pull
Entries 61
Mean −316.2
Std Dev 0
pull1D
Entries 61
Mean 0.005911
Std Dev 1.133

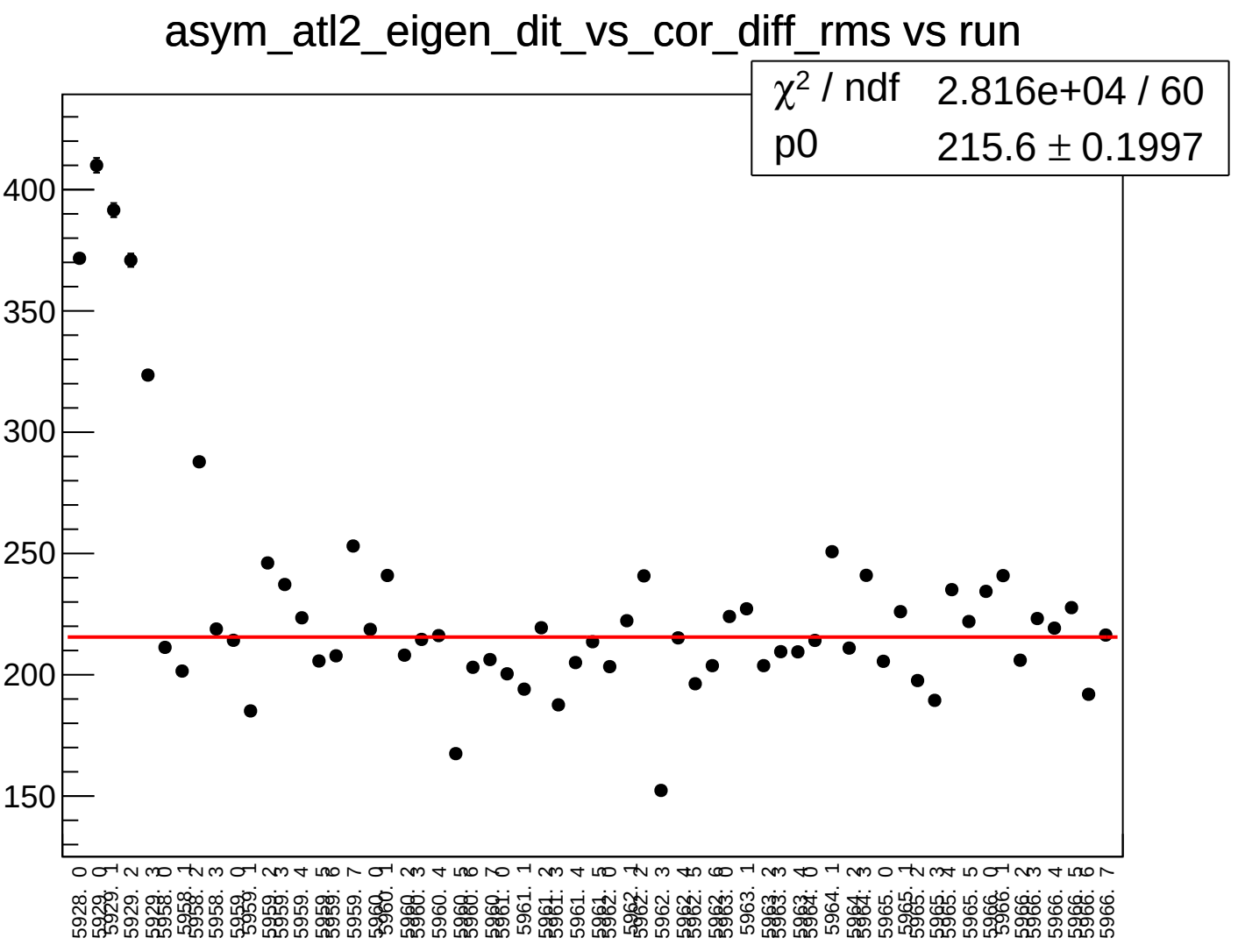

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.817e+04 / 60
p0 215.6 ± 0.1997
400
350
300
250
200
150

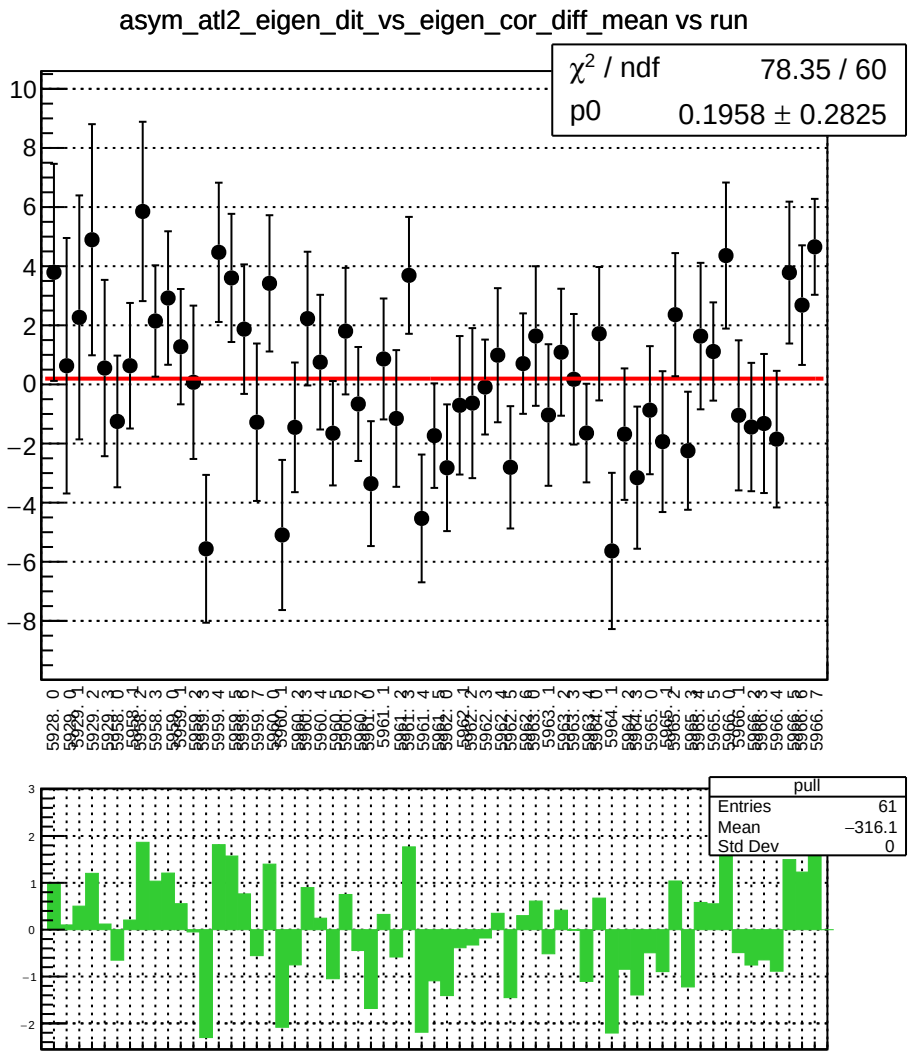

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.96 / 60
p0 −1.216e−05 ± 4.724e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 73.65
Std Dev 0

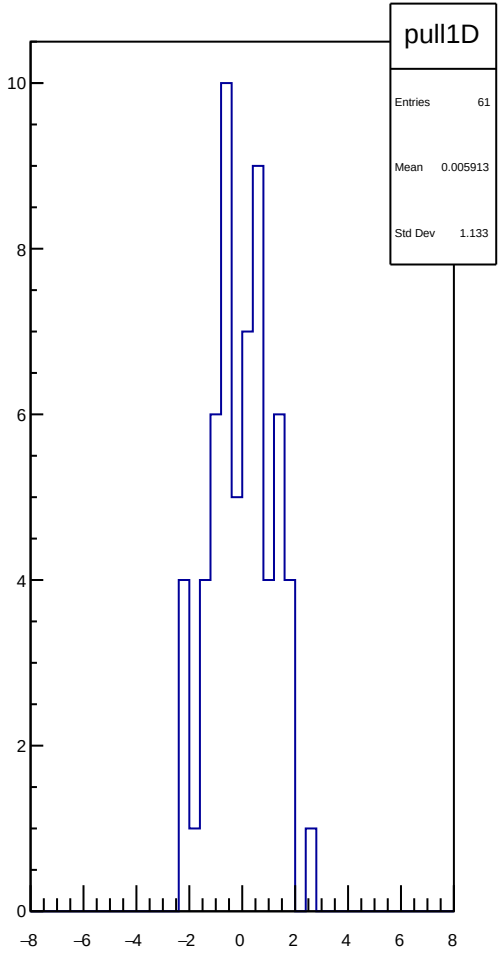

pull1D
Entries 61
Mean 0.004987
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

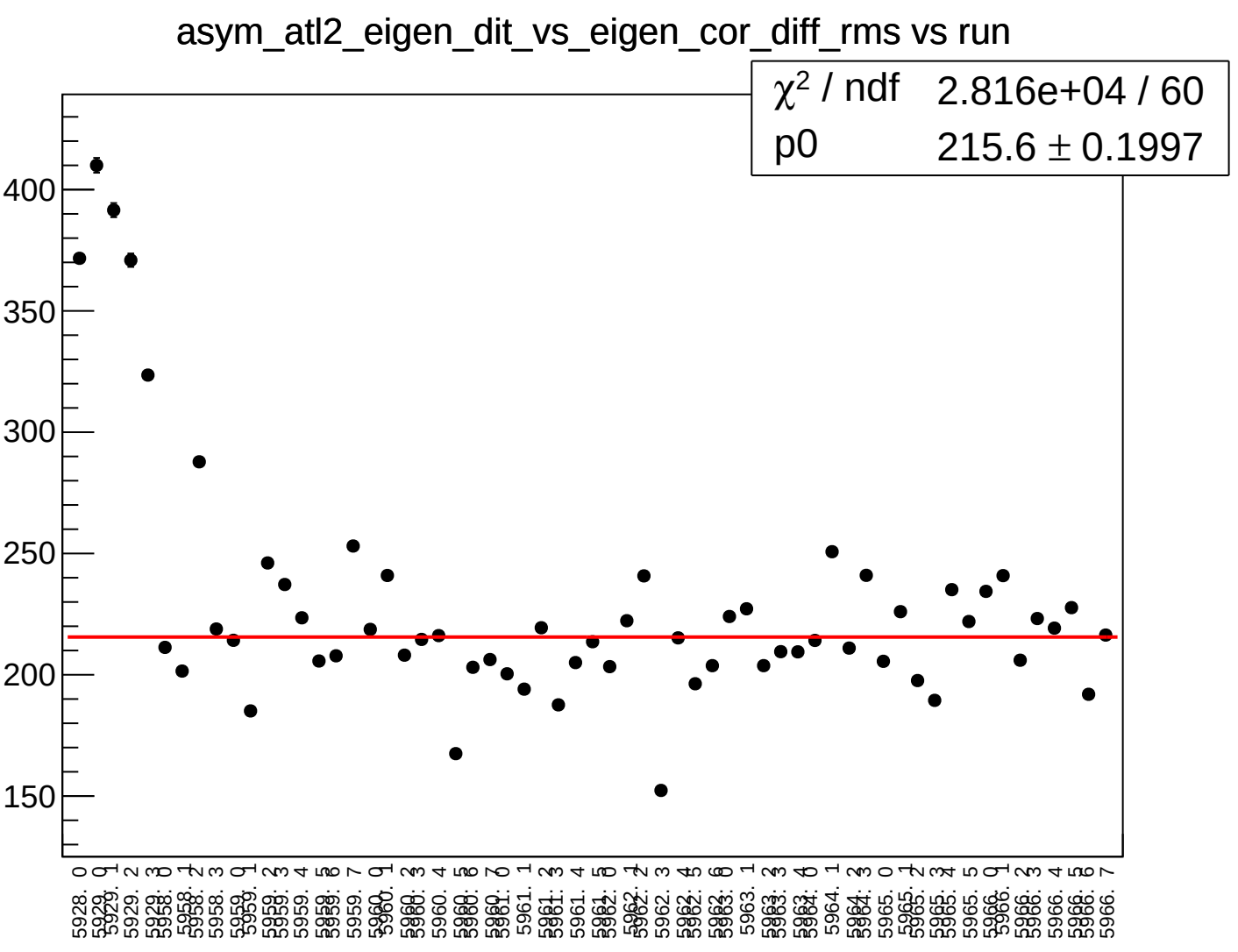

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.016e+04 / 60
p0 0.03632 ± 3.34e−05
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032

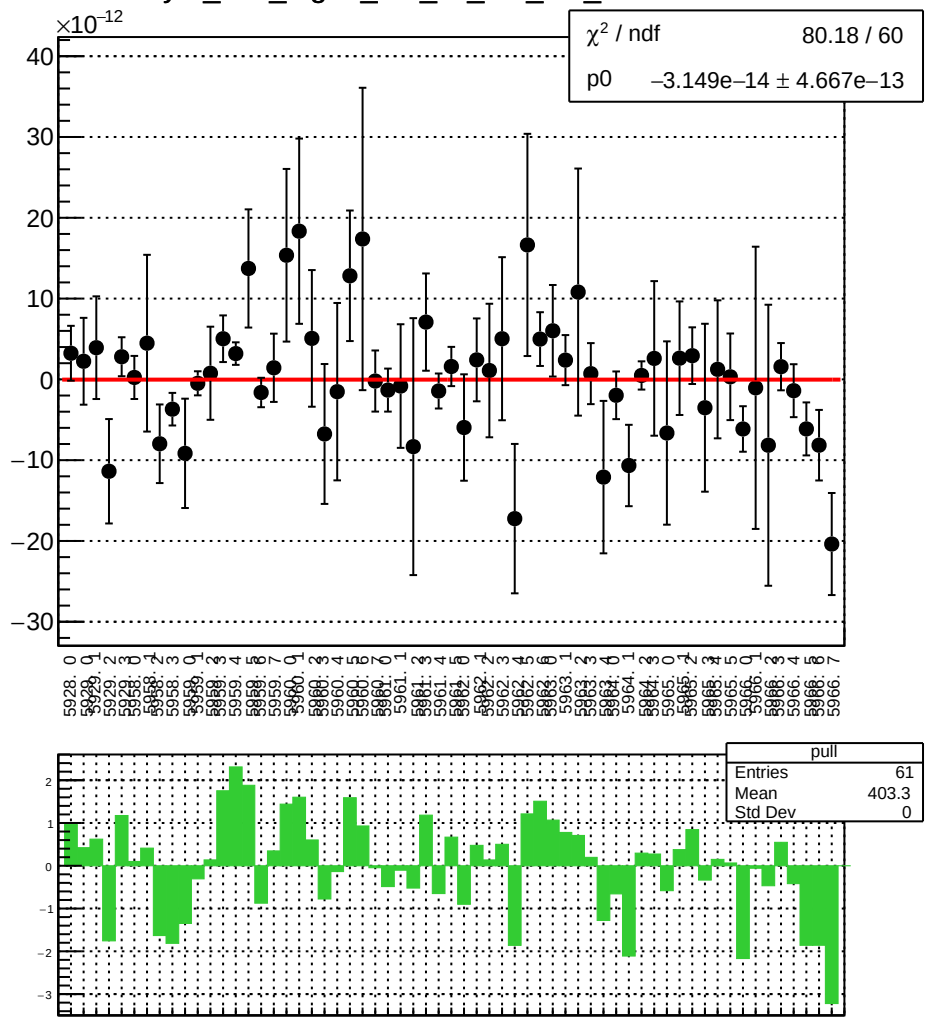

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.35 / 60
p0 0.1958 ± 0.2825
pull
Entries 61
Mean −316.1
Std Dev 0
pull1D
Entries 61
Mean 0.005913
Std Dev 1.133

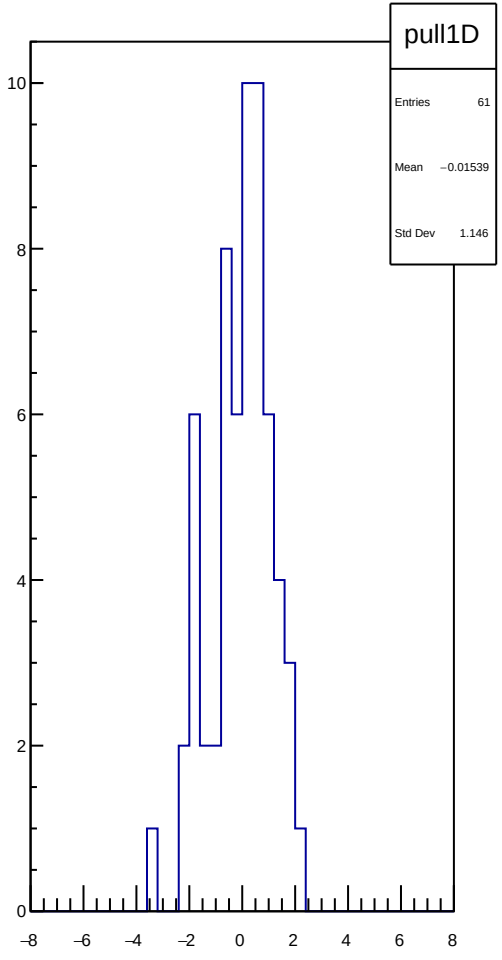

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.816e+04 / 60
p0 215.6 ± 0.1997
400
350
300
250
200
150

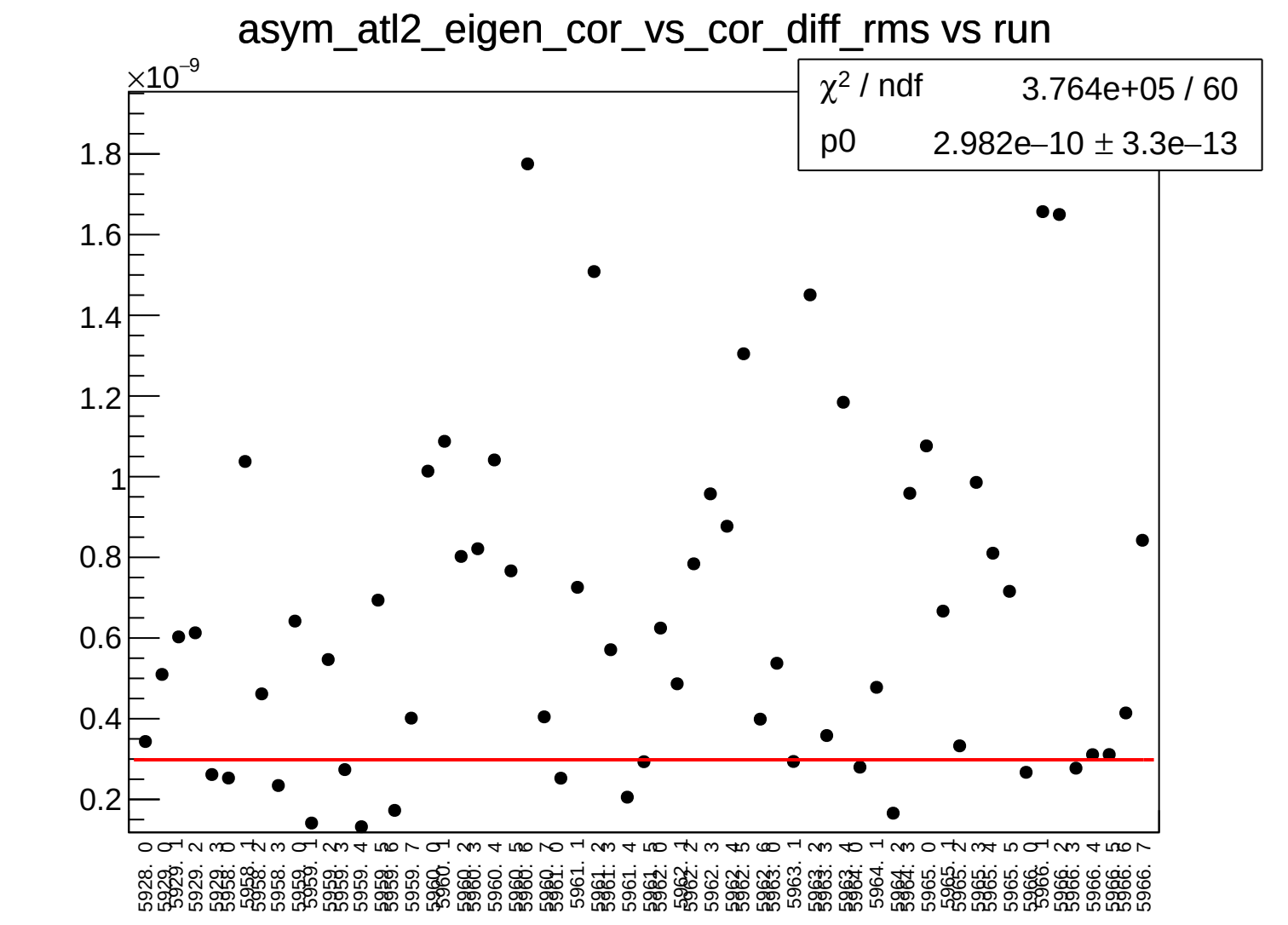

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.35 / 60
p0 0.1958 ± 0.2825
pull
Entries 61
Mean −316.1
Std Dev 0

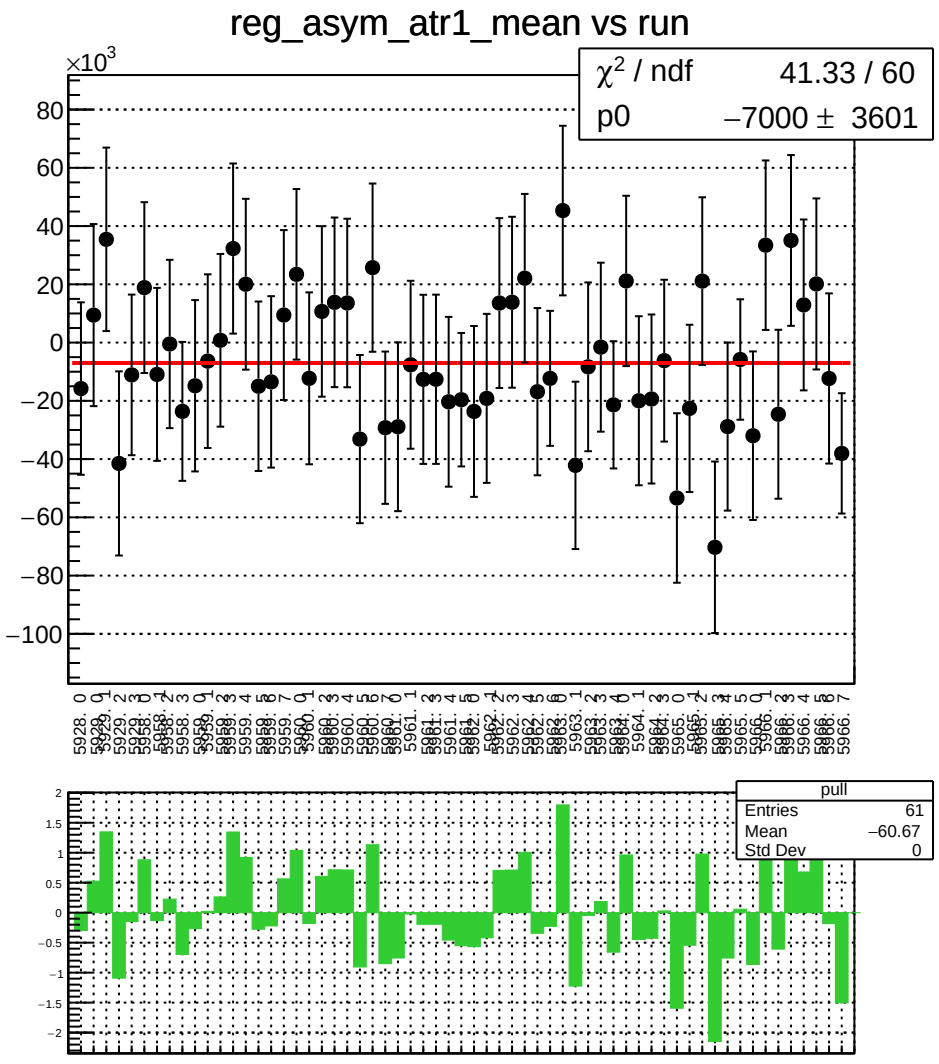

pull1D
Entries 61
Mean 0.005913
Std Dev 1.133

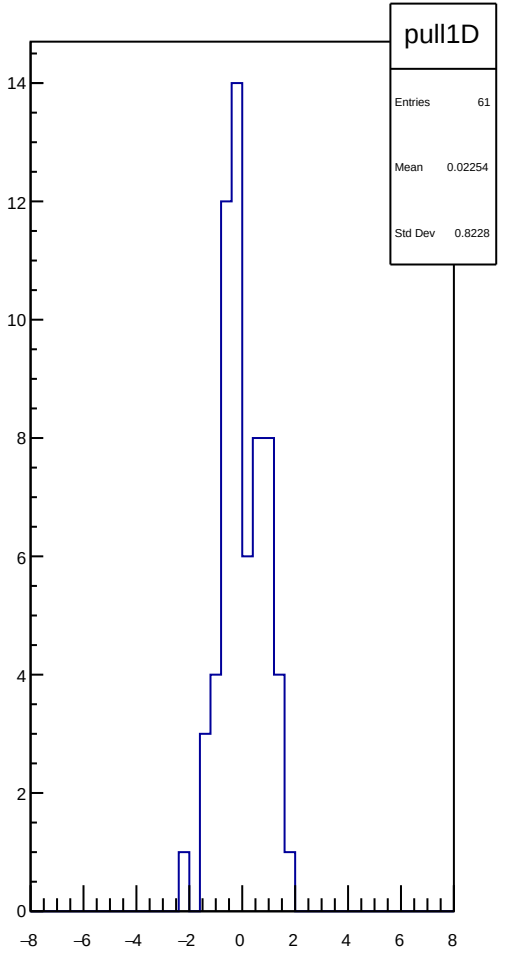

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.816e+04 / 60
p0 215.6 ± 0.1997
400
350
300
250
200
150

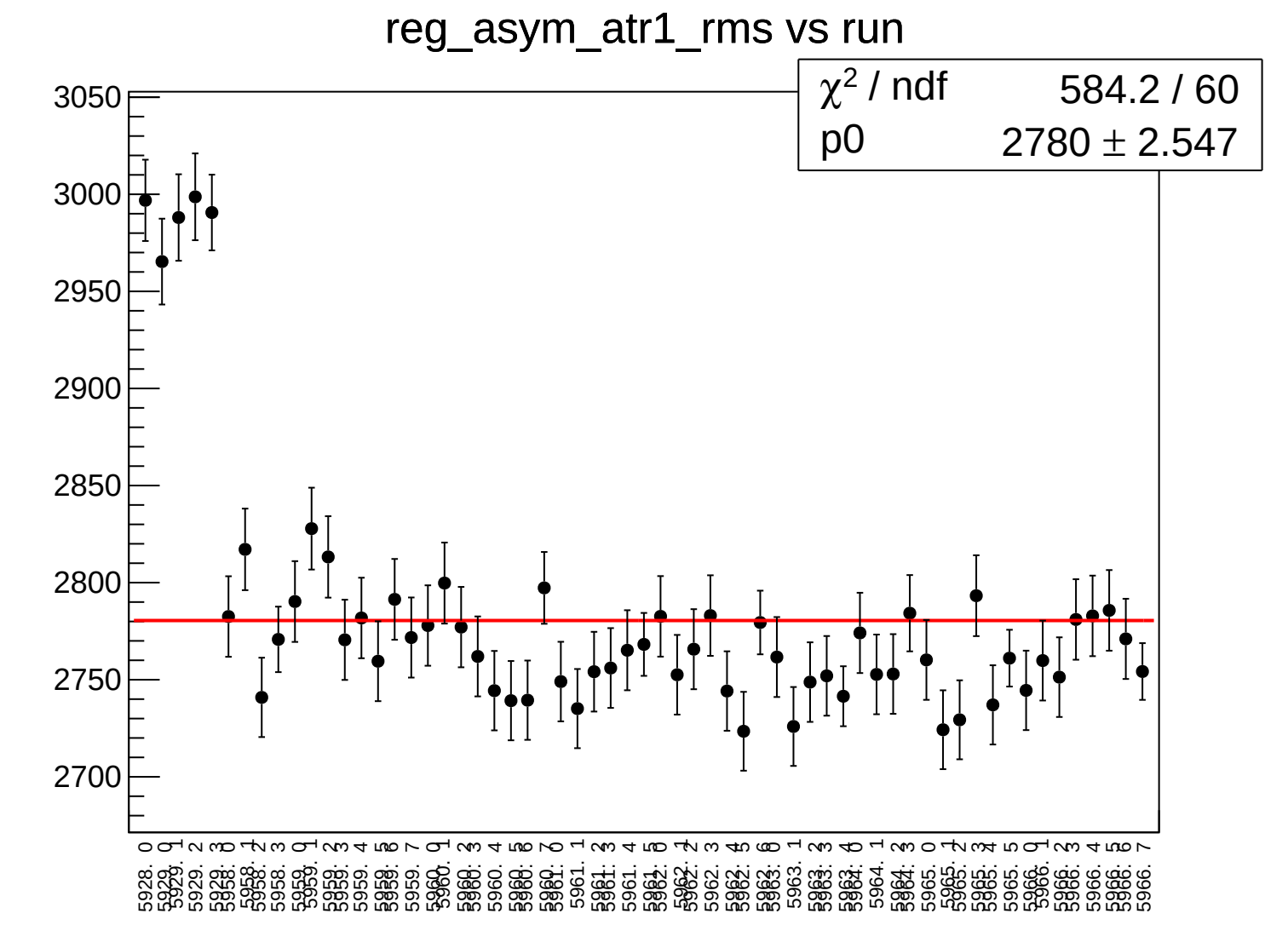

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.18 / 60
p0 −3.149e−14 ± 4.667e−13
pull
Entries 61
Mean 403.3
Std Dev 0

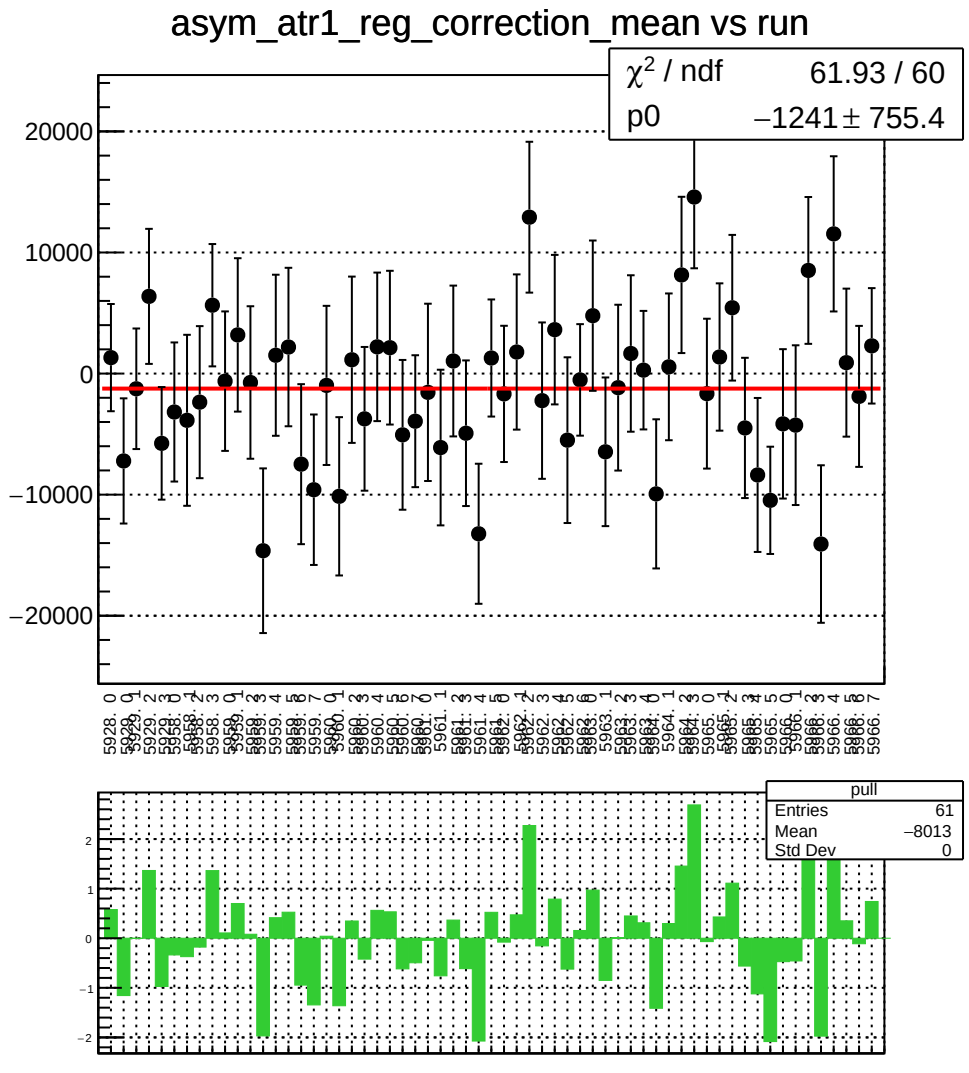

pull1D
Entries 61
Mean −0.01539
Std Dev 1.146

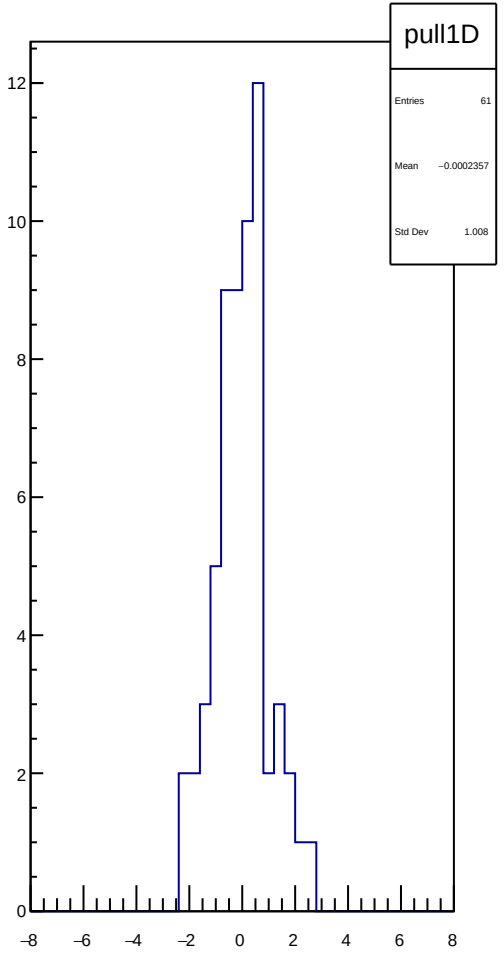

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.764e+05 / 60
p0 2.982e−10 ± 3.3e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

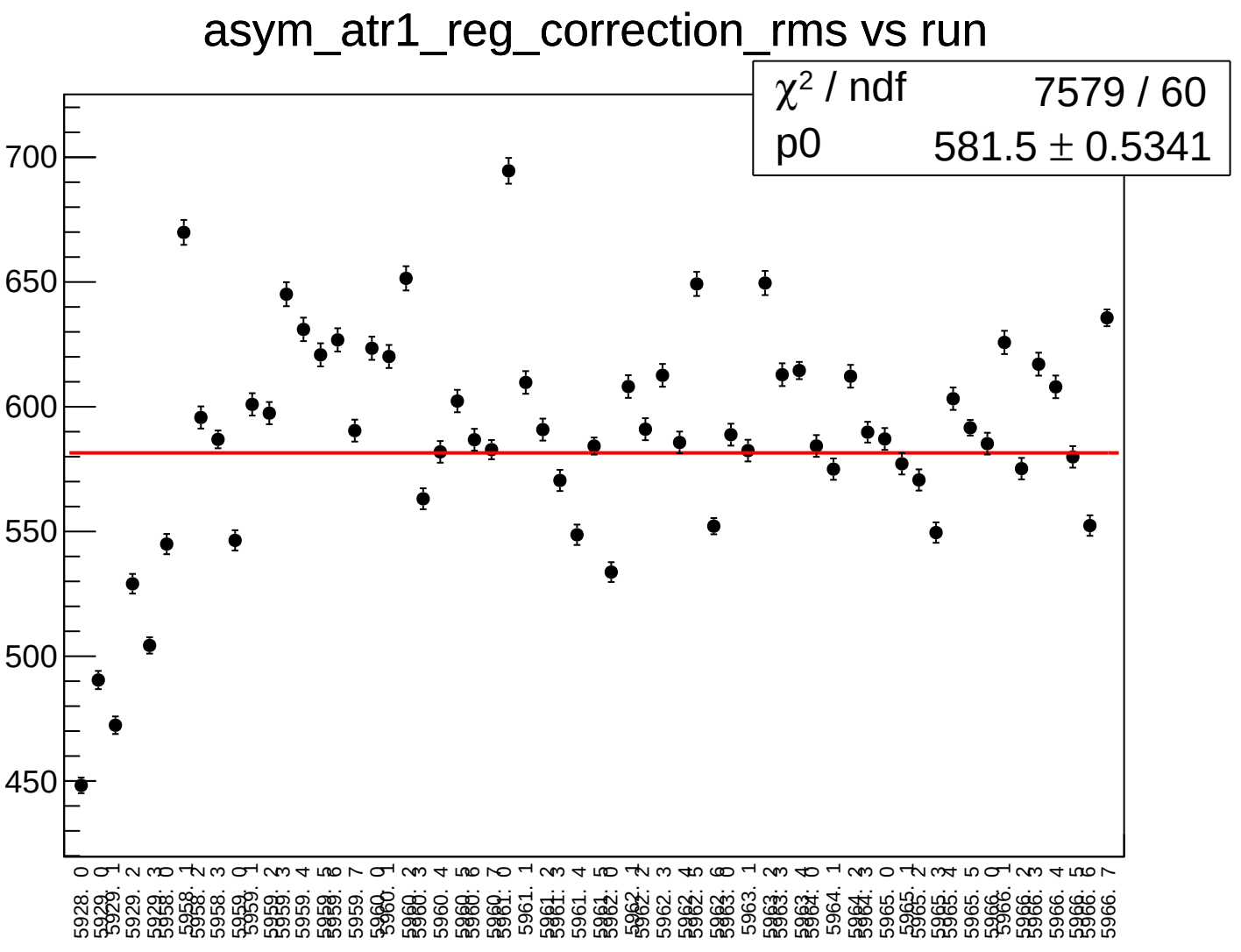

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 41.33 / 60
p0 −7000 ± 3601
pull
Entries 61
Mean −60.67
Std Dev 0

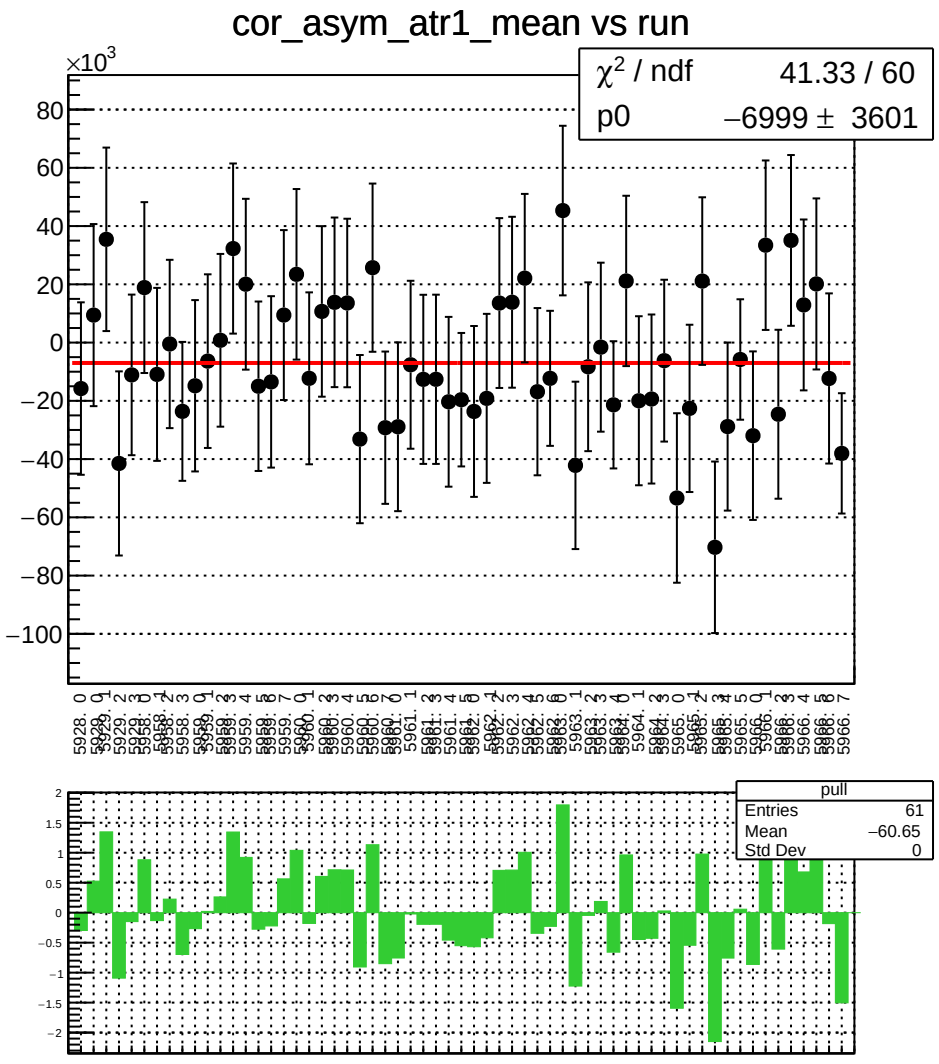

pull1D
Entries 61
Mean 0.02254
Std Dev 0.8228

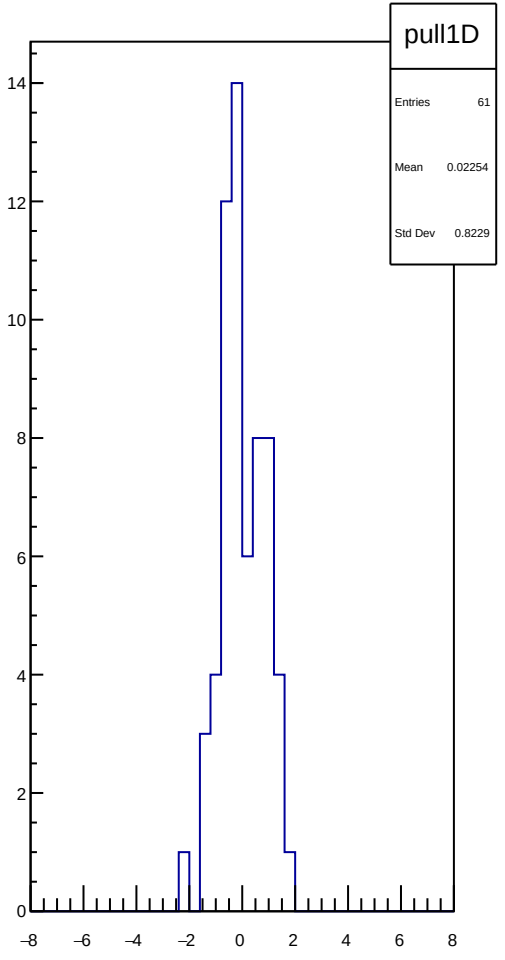

reg_asym_atr1_rms vs run
χ² / ndf 584.2 / 60
p0 2780 ± 2.547
3050
3000
2950
2900
2850
2800
2750
2700

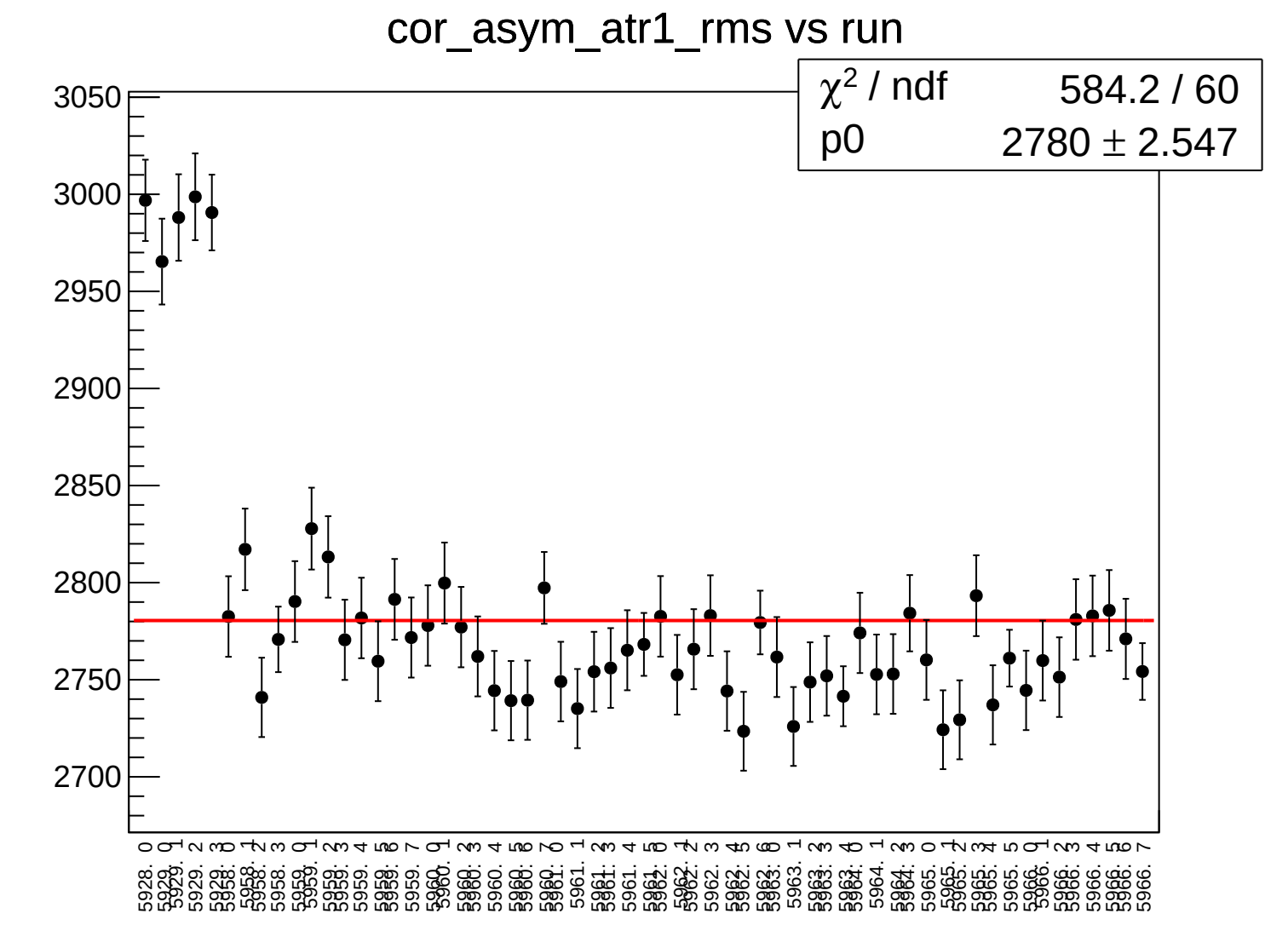

asym_atr1_reg_correction_mean vs run
χ² / ndf 61.93 / 60
p0 −1241 ± 755.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −8013
Std Dev 0
2
1
0
−1
−2

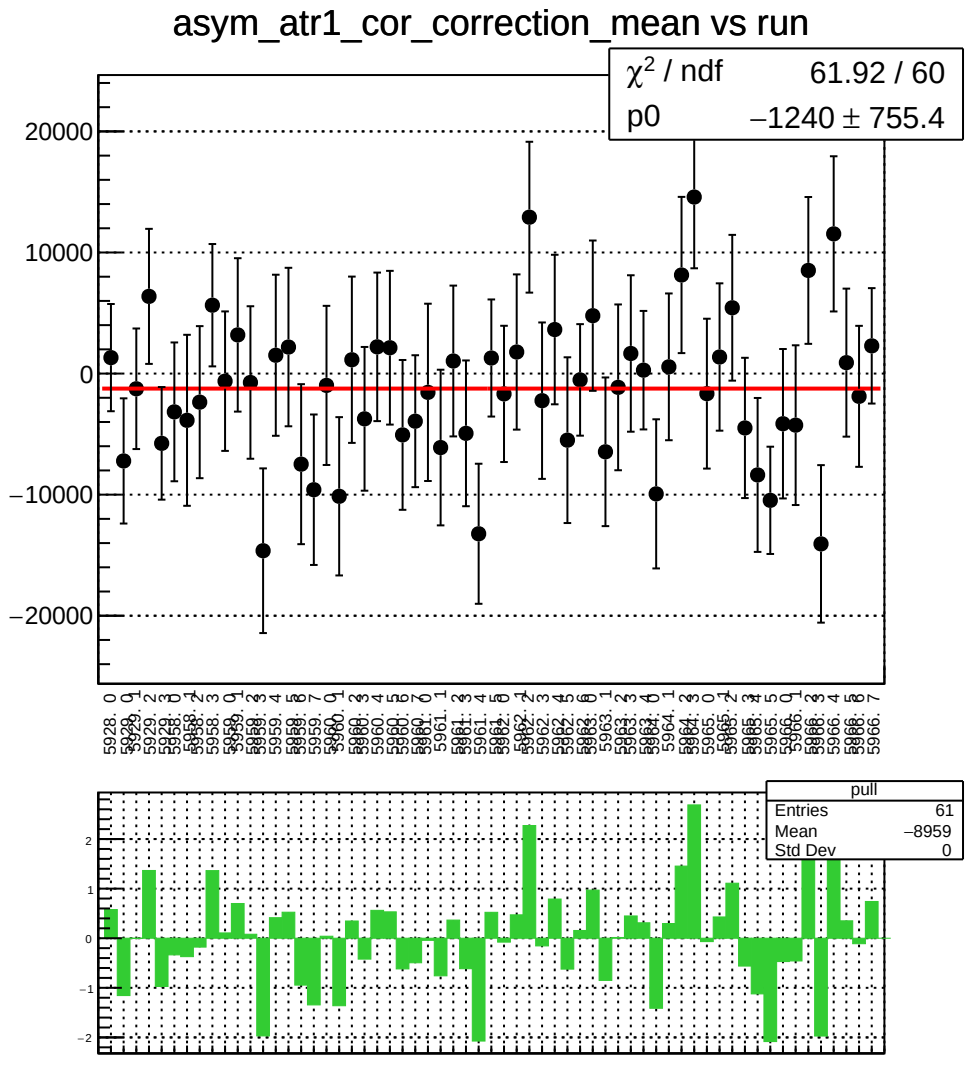

pull1D
Entries 61
Mean −0.0002357
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

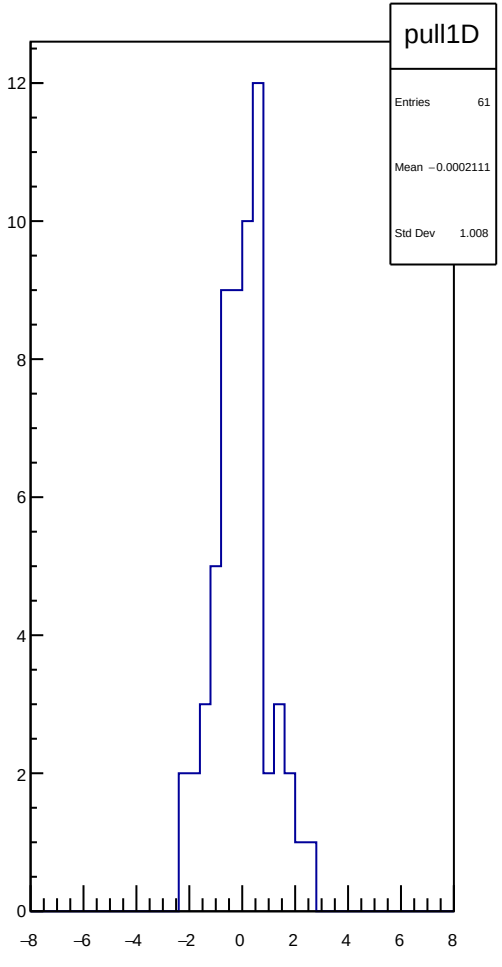

asym_atr1_reg_correction_rms vs run
χ² / ndf 7579 / 60
p0 581.5 ± 0.5341
700
650
600
550
500
450

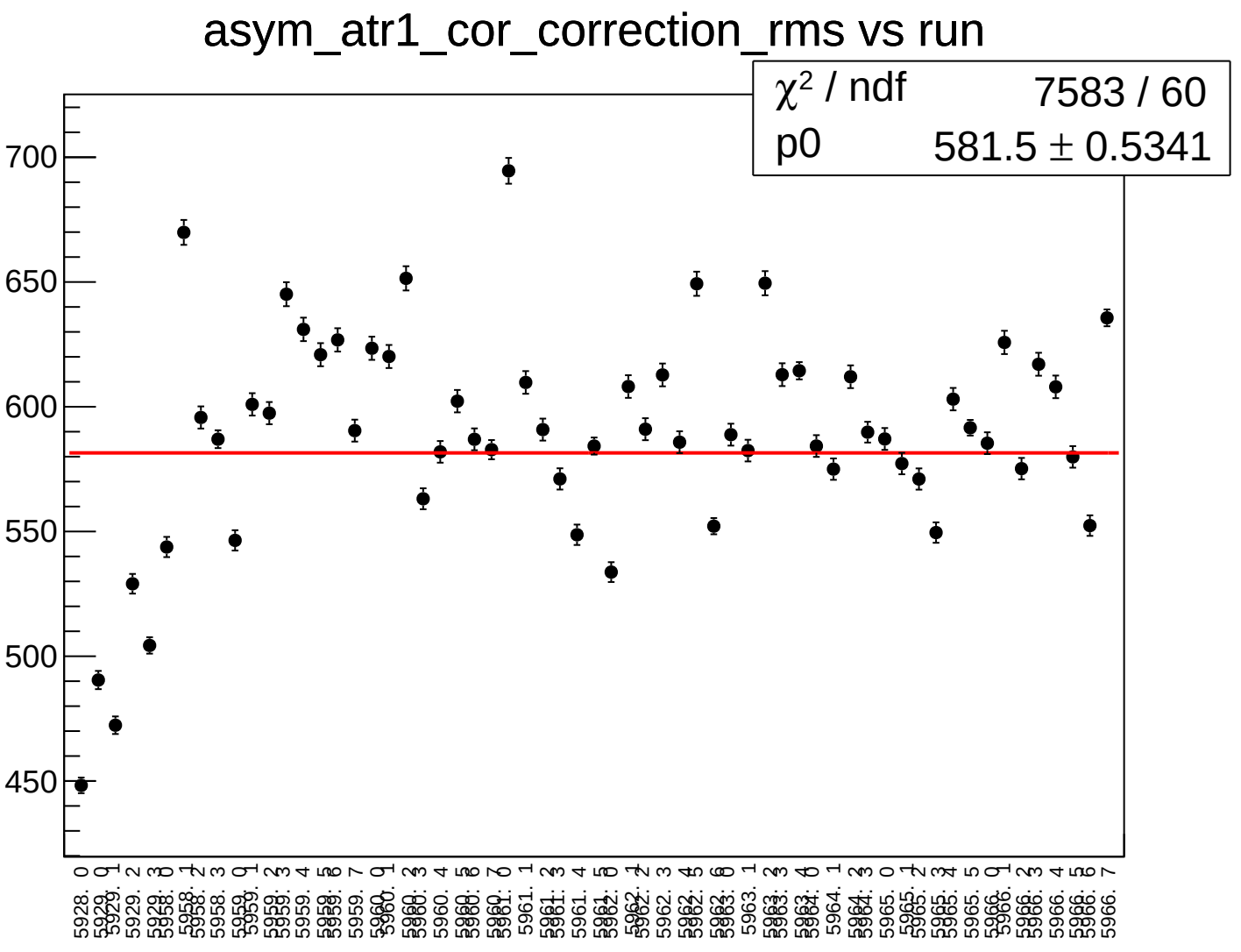

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 41.33 / 60
p0 −6999 ± 3601
pull
Entries 61
Mean −60.65
Std Dev 0

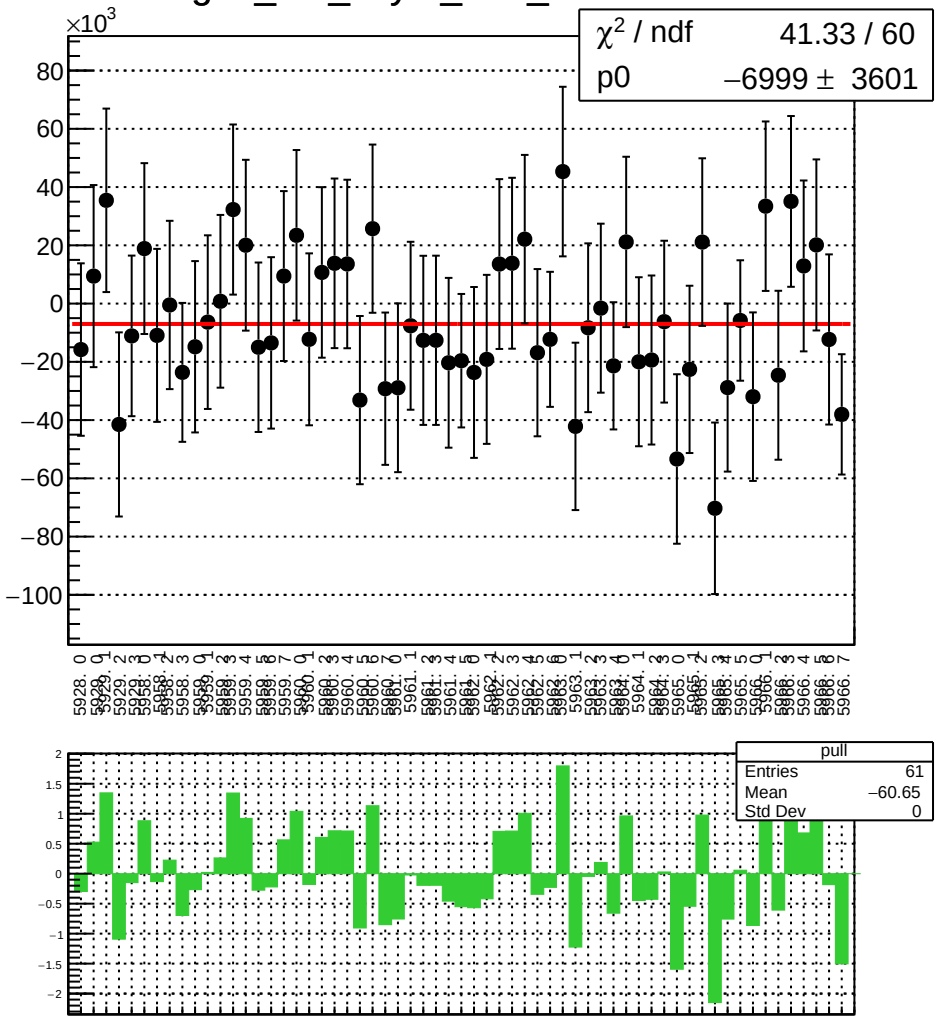

pull1D
Entries 61
Mean 0.02254
Std Dev 0.8229

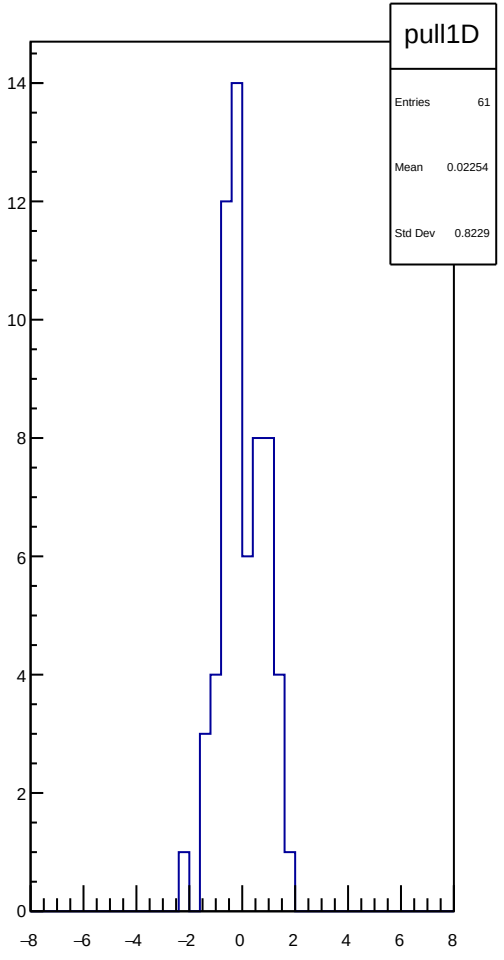

cor_asym_atr1_rms vs run
χ² / ndf 584.2 / 60
p0 2780 ± 2.547
3050
3000
2950
2900
2850
2800
2750
2700

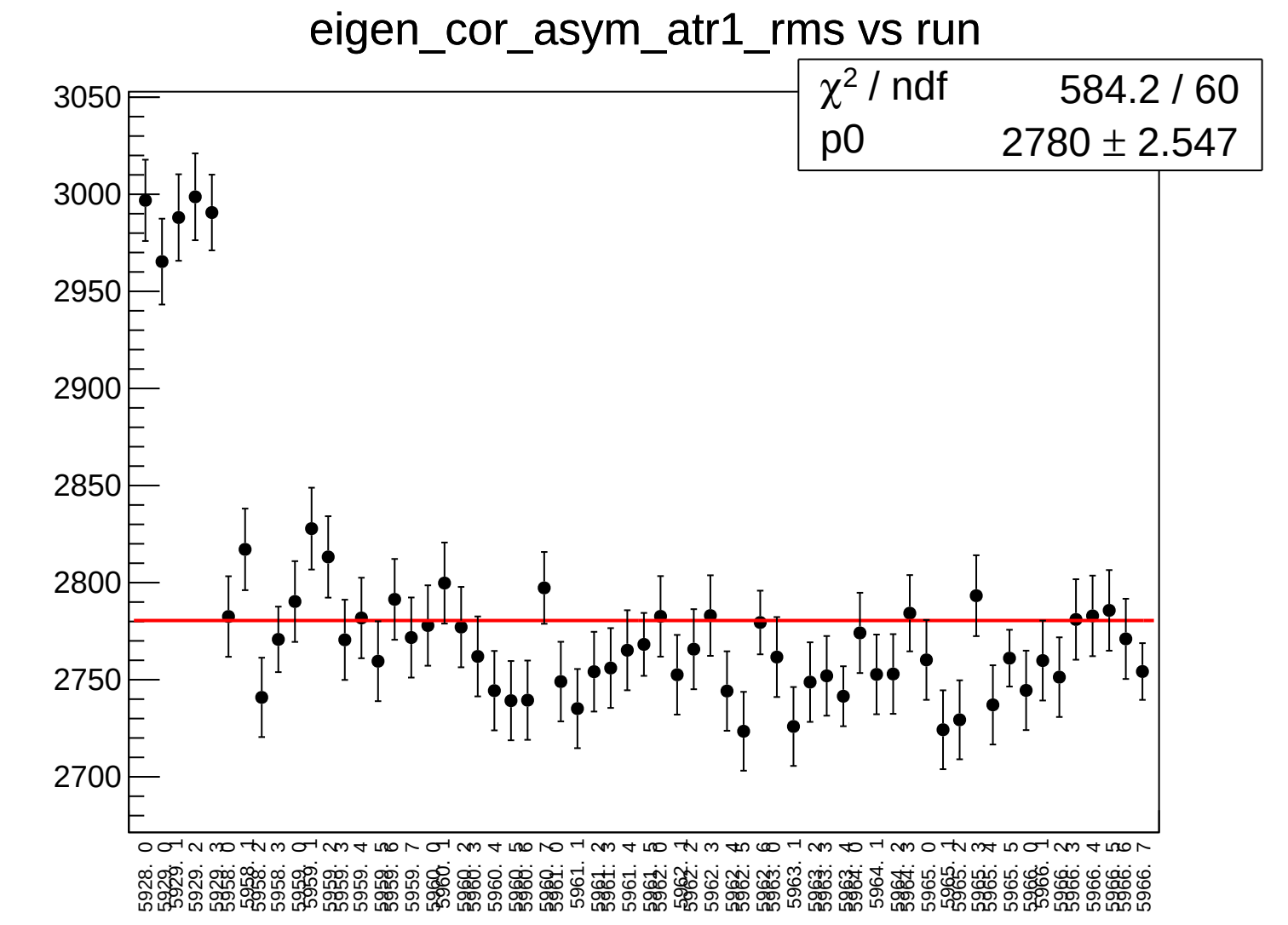

asym_atr1_cor_correction_mean vs run
χ² / ndf 61.92 / 60
p0 −1240 ± 755.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −8959
Std Dev 0
2
1
0
−1
−2

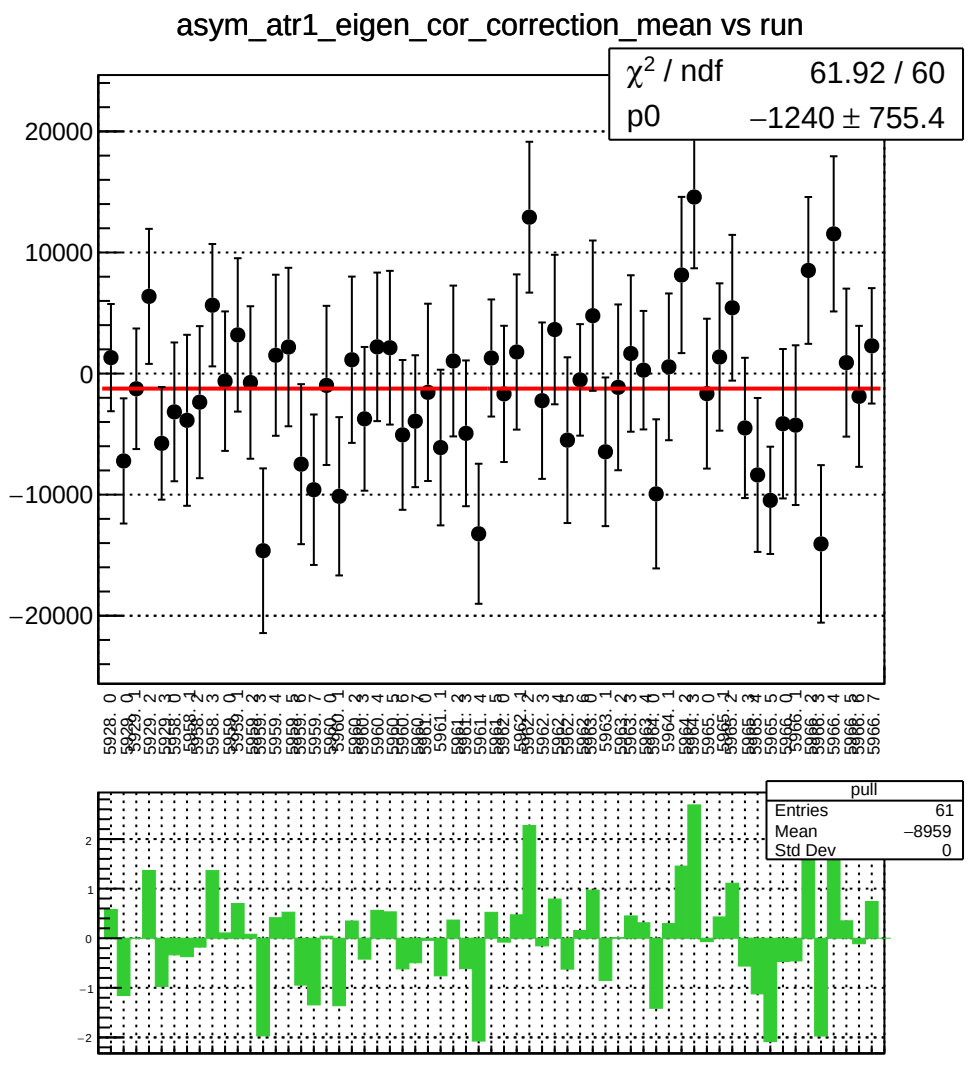

pull1D
Entries 61
Mean −0.0002111
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

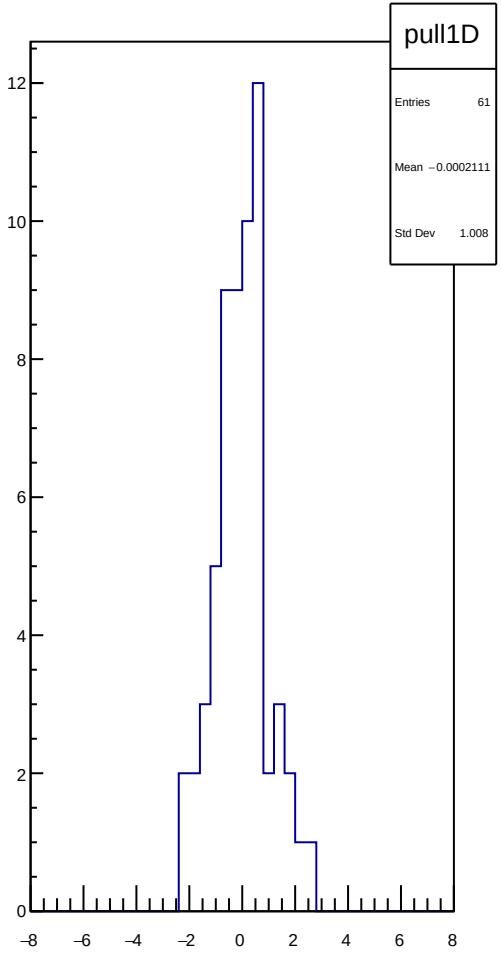

asym_atr1_cor_correction_rms vs run
χ² / ndf 7583 / 60
p0 581.5 ± 0.5341
700
650
600
550
500
450

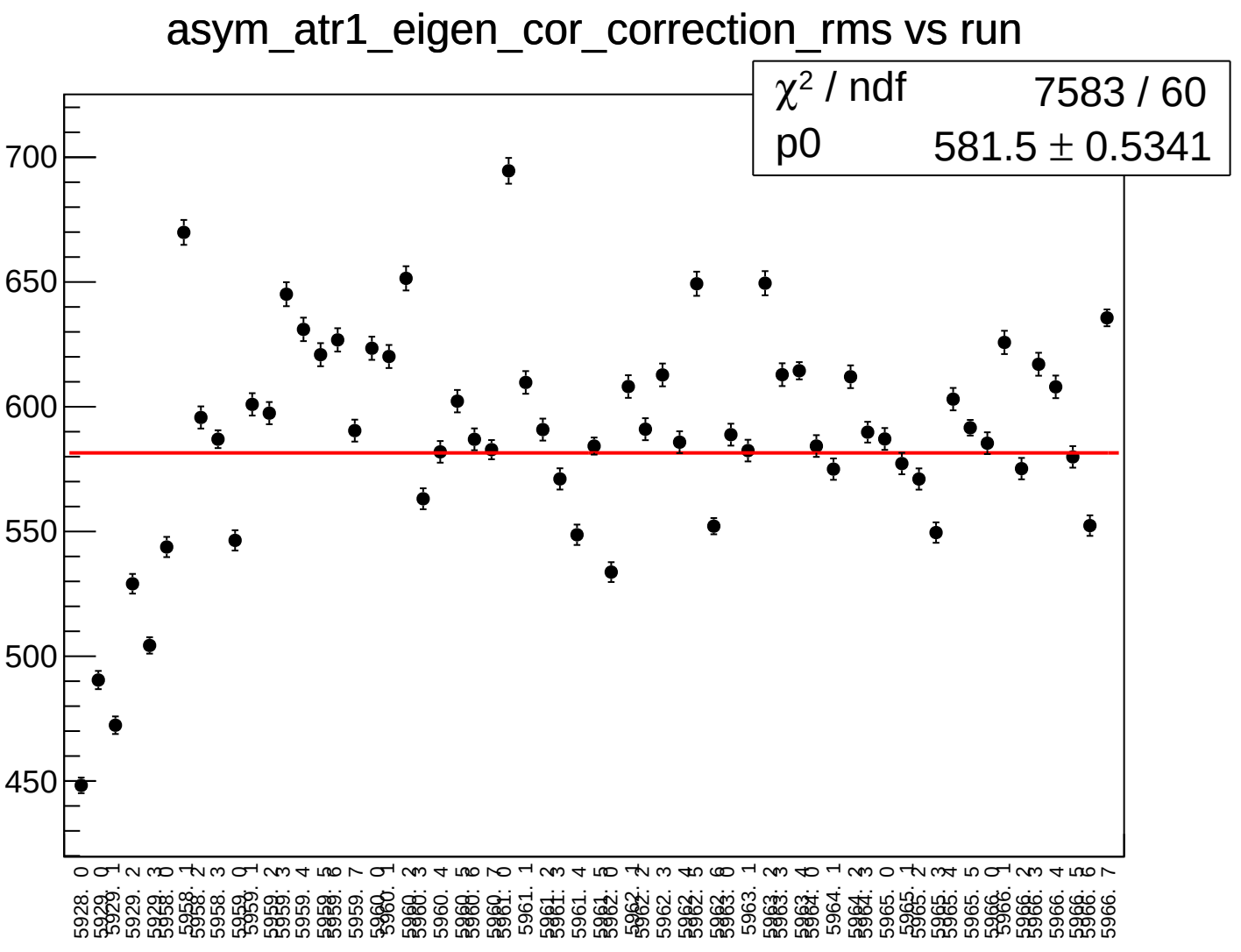

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 41.33 / 60
p0 −6999 ± 3601
pull
Entries 61
Mean −60.65
Std Dev 0

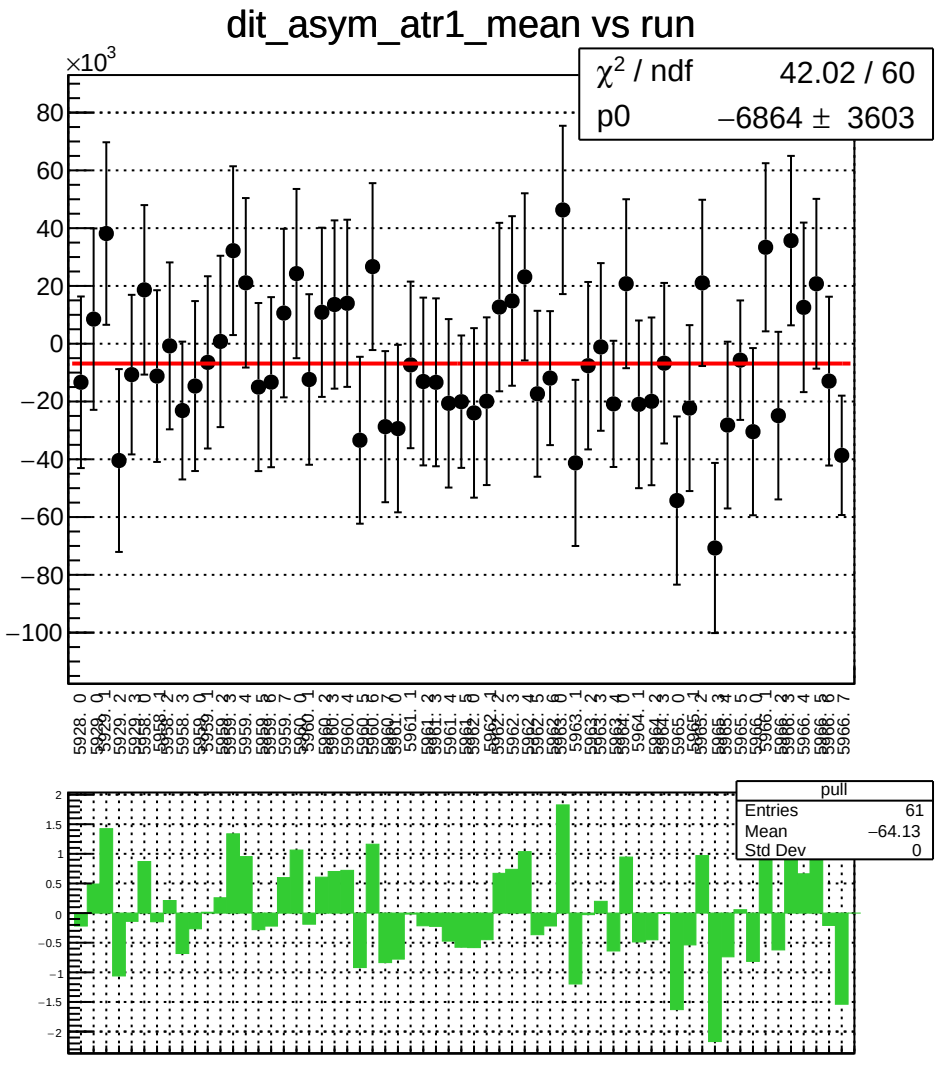

pull1D
Entries 61
Mean 0.02254
Std Dev 0.8229

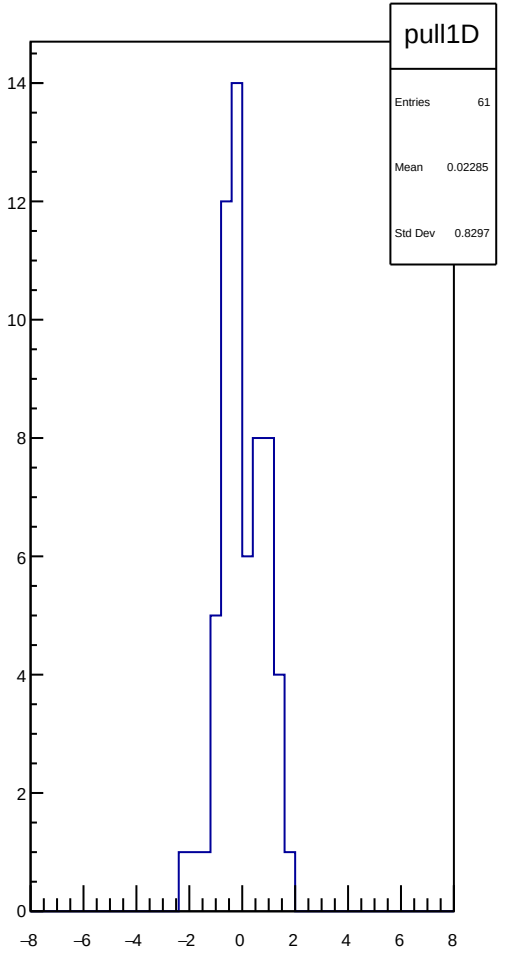

eigen_cor_asym_atr1_rms vs run
χ² / ndf 584.2 / 60
p0 2780 ± 2.547
3050
3000
2950
2900
2850
2800
2750
2700

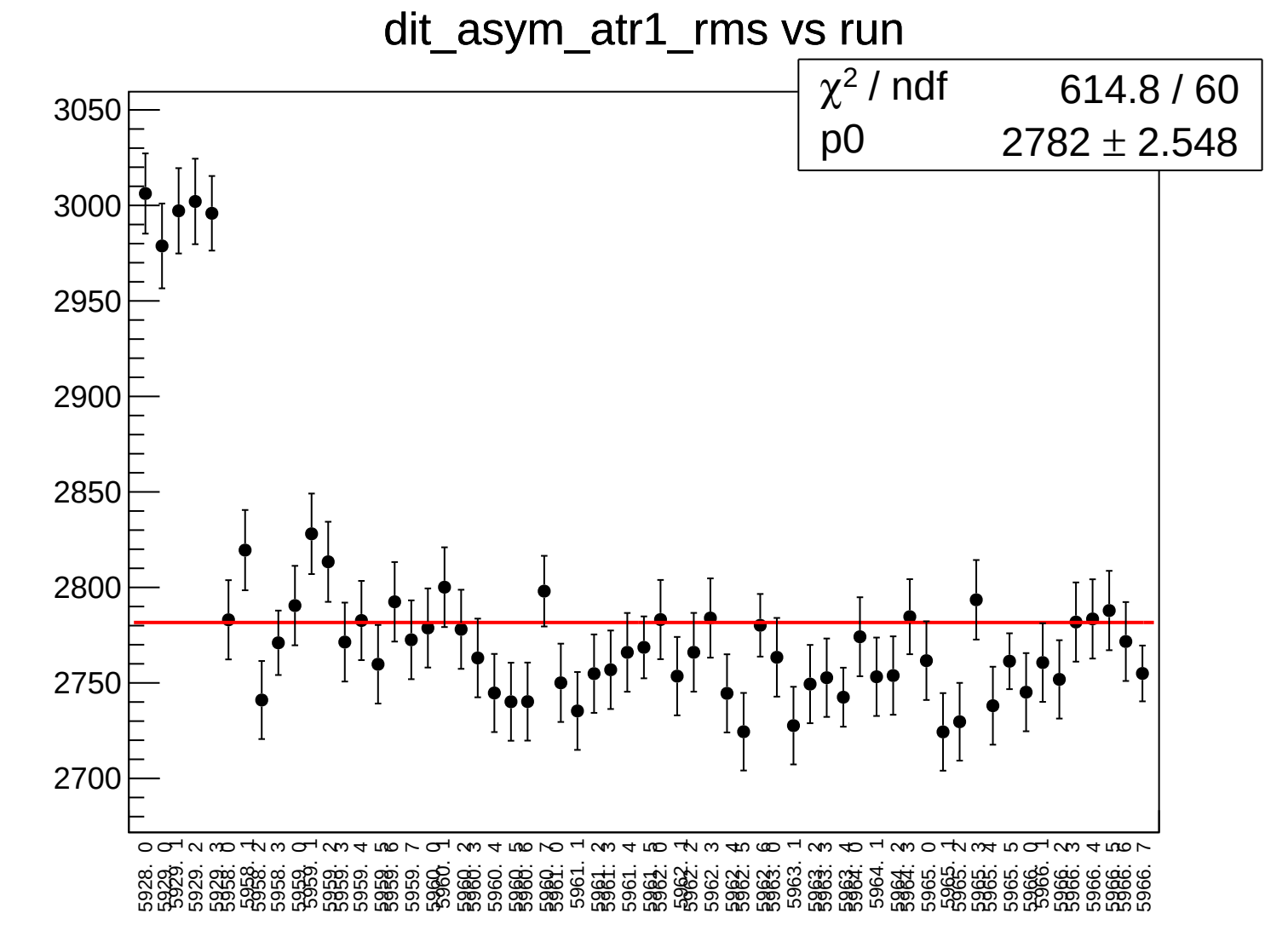

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 61.92 / 60
p0 −1240 ± 755.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −8959
Std Dev 0
2
1
0
−1
−2

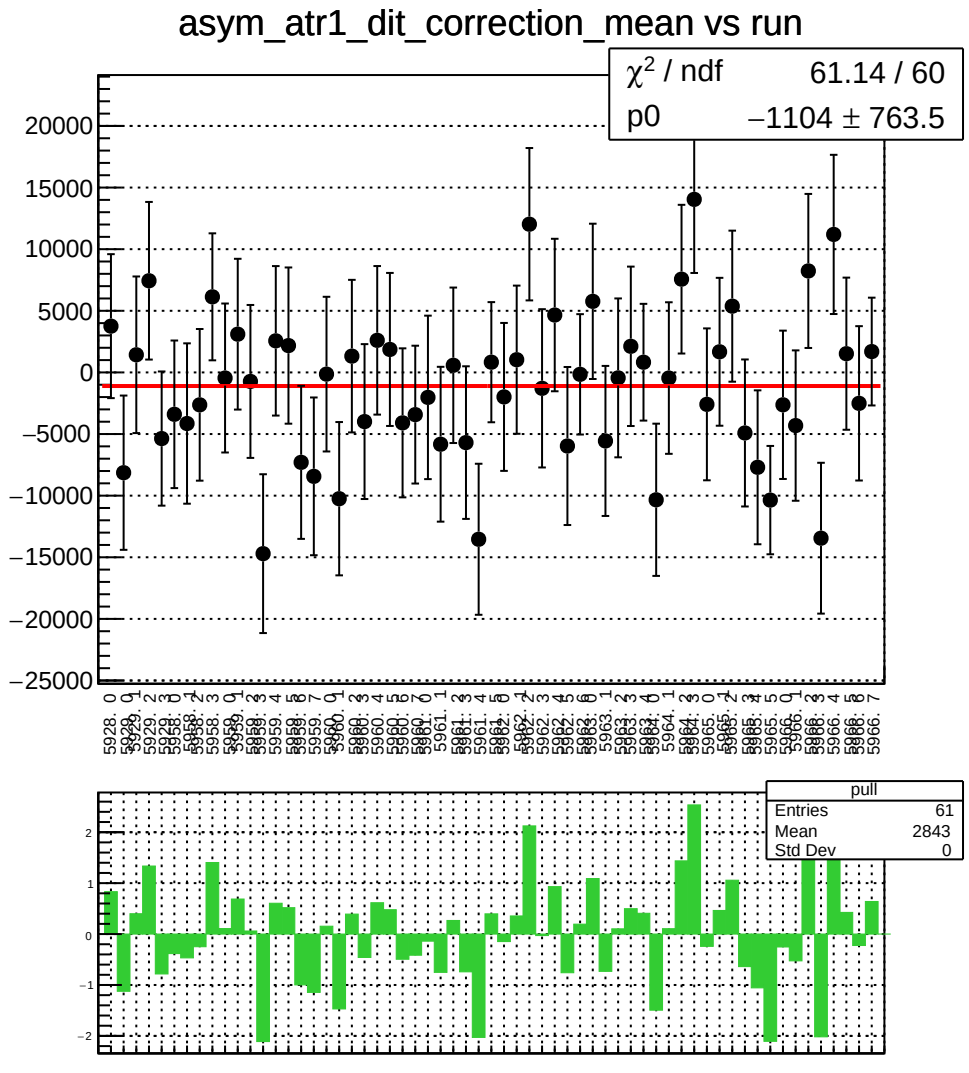

pull1D
Entries 61
Mean −0.0002111
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

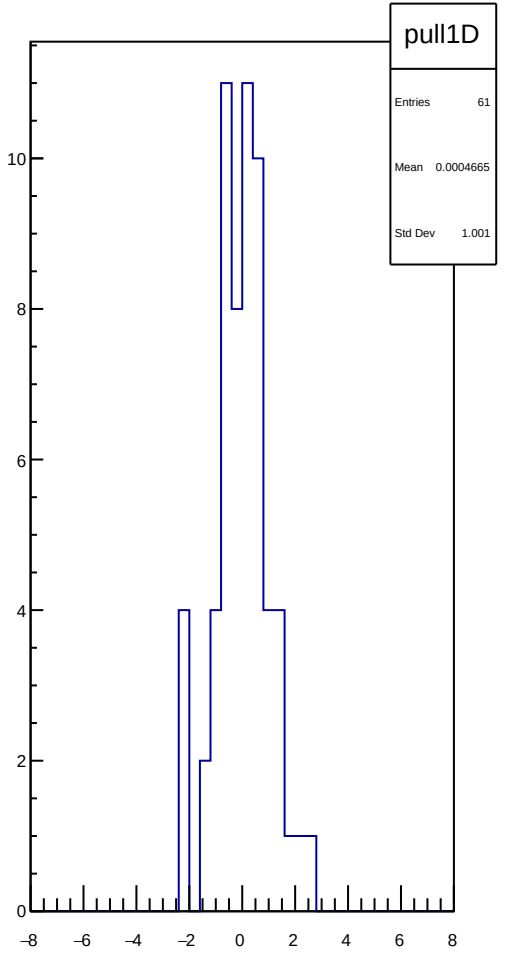

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 7583 / 60
p0 581.5 ± 0.5341
700
650
600
550
500
450

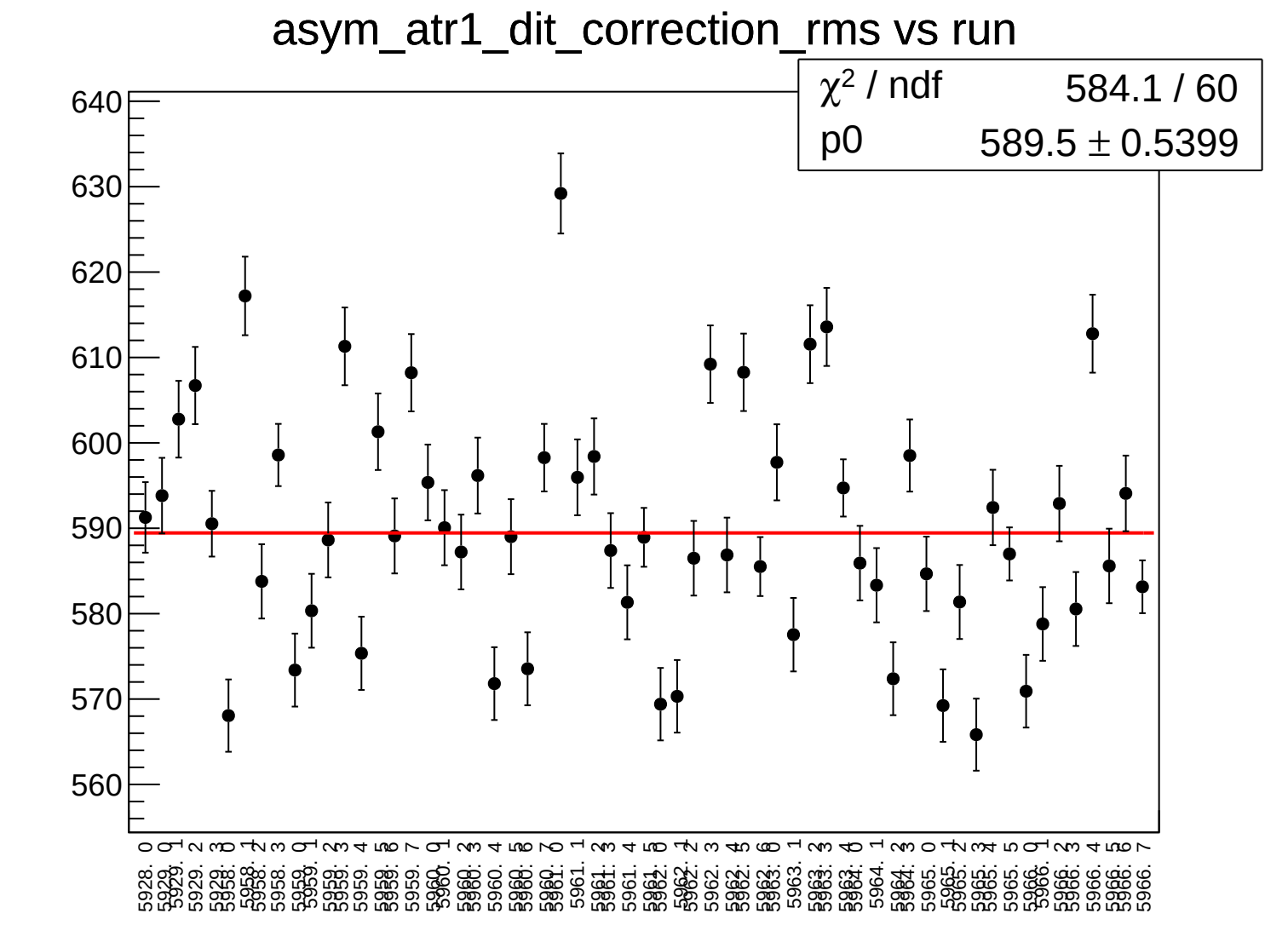

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 42.02 / 60
p0 −6864 ± 3603
pull
Entries 61
Mean −64.13
Std Dev 0

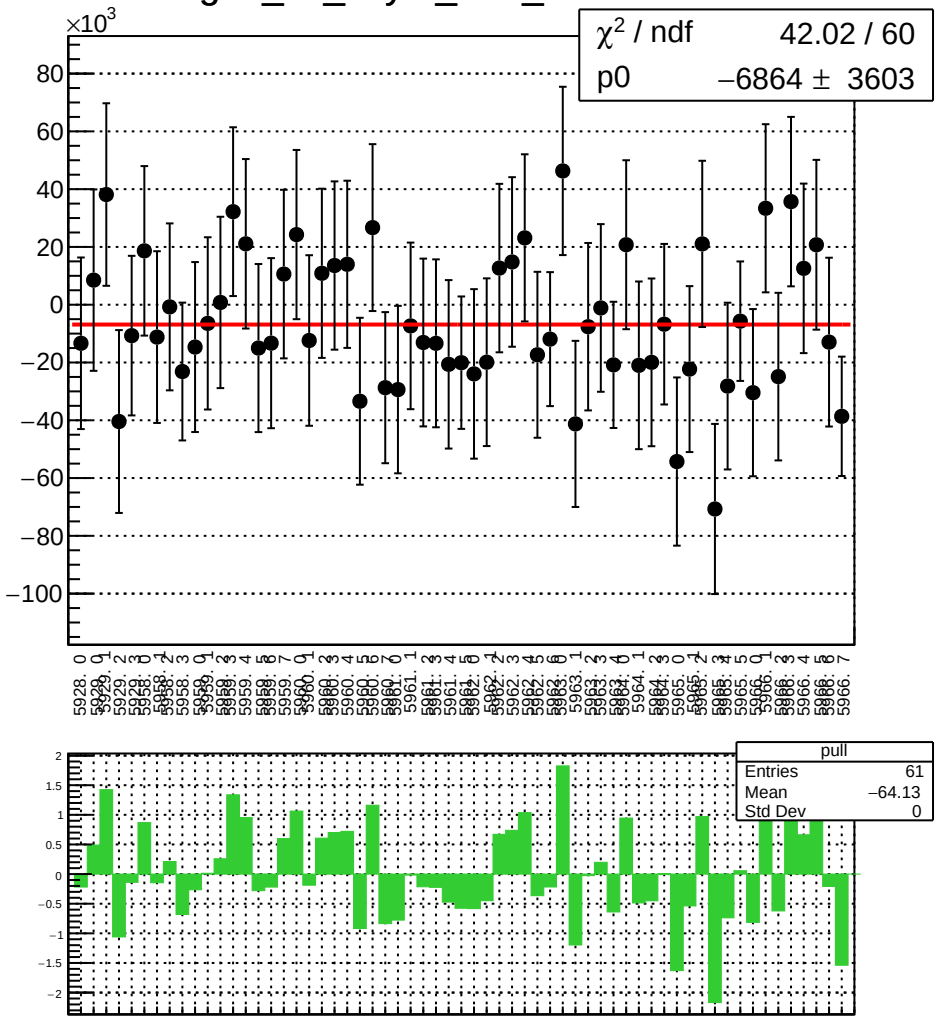

pull1D
Entries 61
Mean 0.02285
Std Dev 0.8297

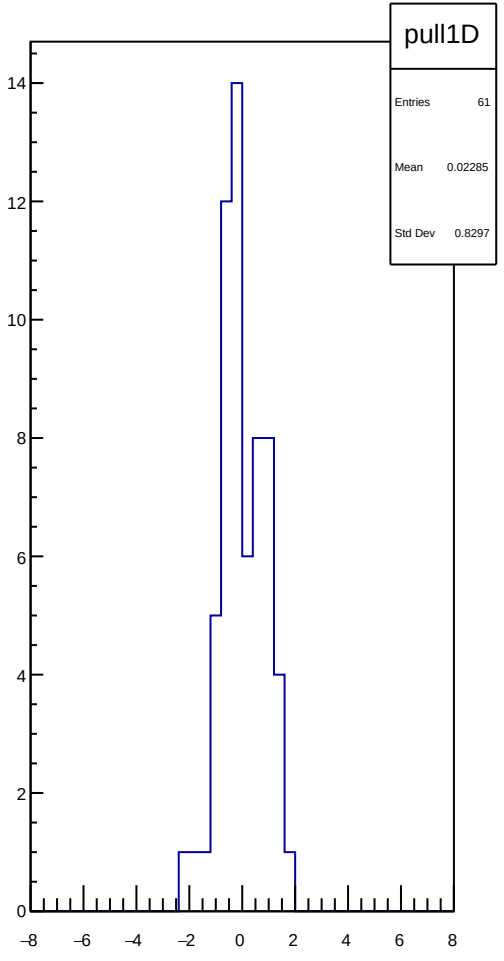

dit_asym_atr1_rms vs run
χ² / ndf 614.8 / 60
p0 2782 ± 2.548
3050
3000
2950
2900
2850
2800
2750
2700

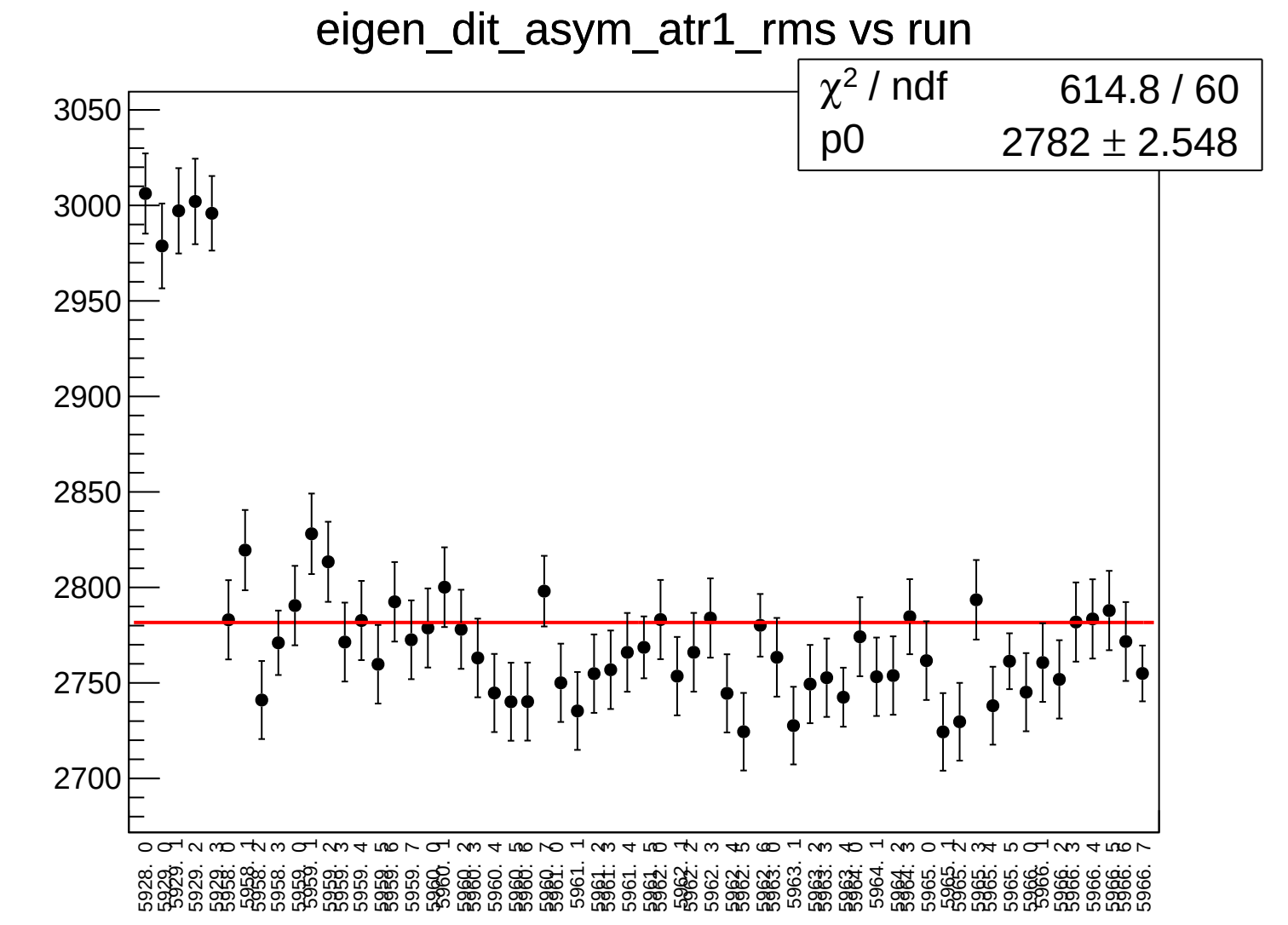

asym_atr1_dit_correction_mean vs run
χ² / ndf 61.14 / 60
p0 −1104 ± 763.5
pull
Entries 61
Mean 2843
Std Dev 0

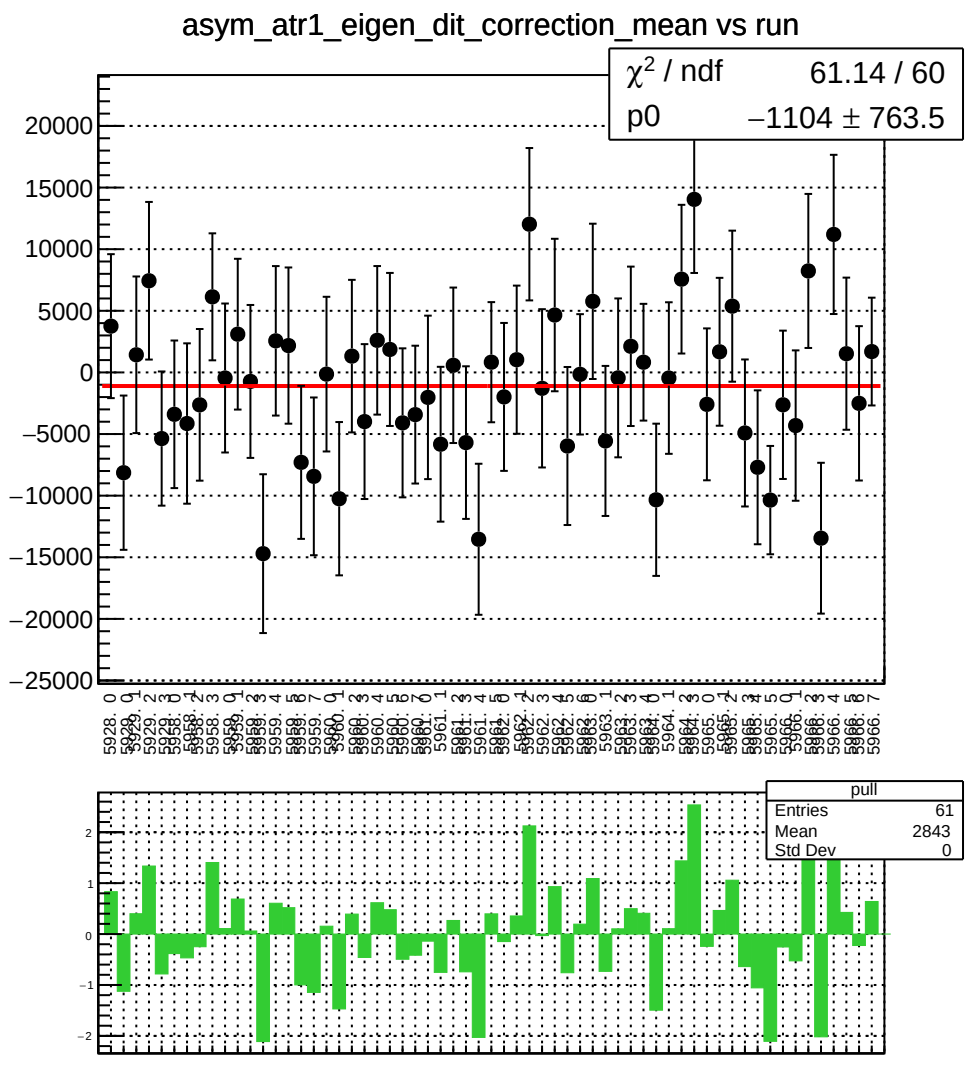

pull1D
Entries 61
Mean 0.0004665
Std Dev 1.001

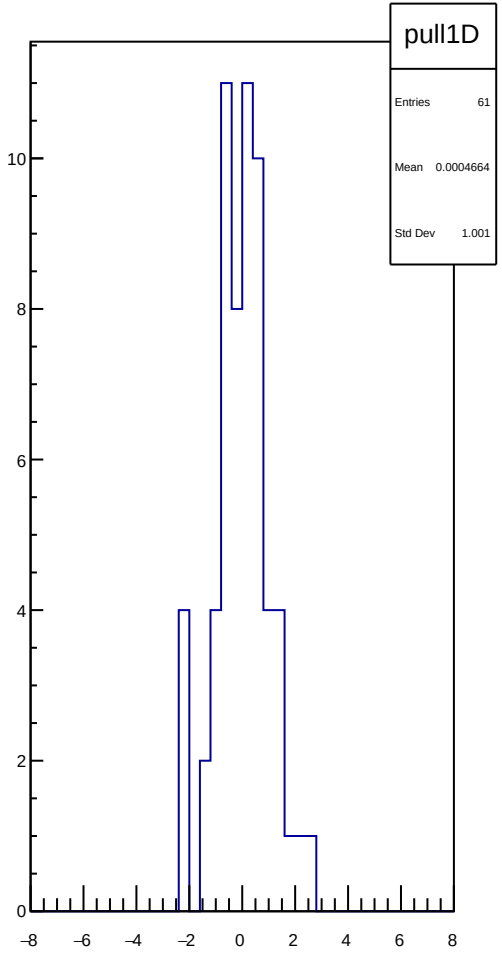

asym_atr1_dit_correction_rms vs run
χ² / ndf 584.1 / 60
p0 589.5 ± 0.5399
640
630
620
610
600
590
580
570
560

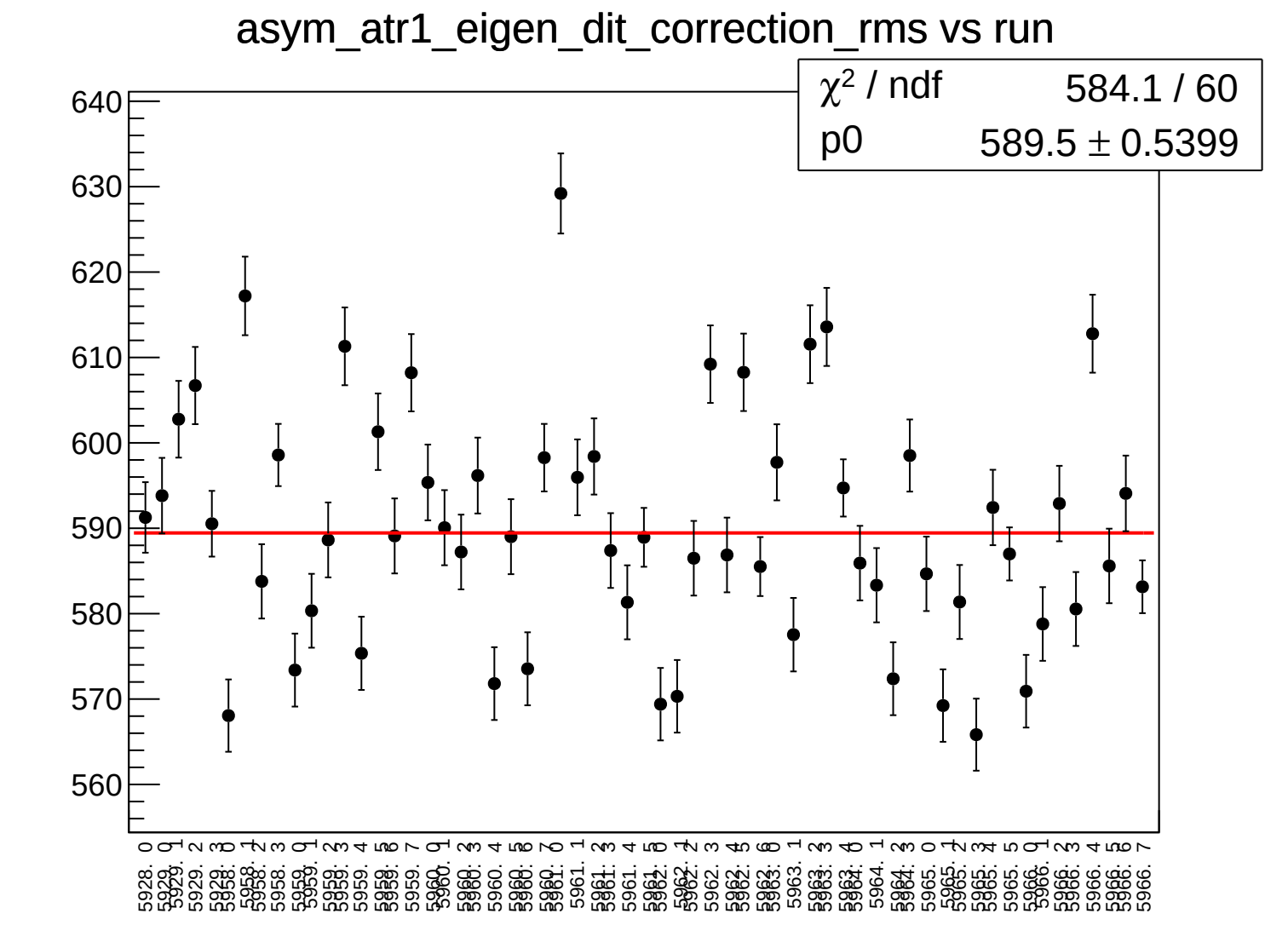

eigen_dit_asym_atr1_mean vs run
χ² / ndf 42.02 / 60
p0 −6864 ± 3603
pull
Entries 61
Mean −64.13
Std Dev 0

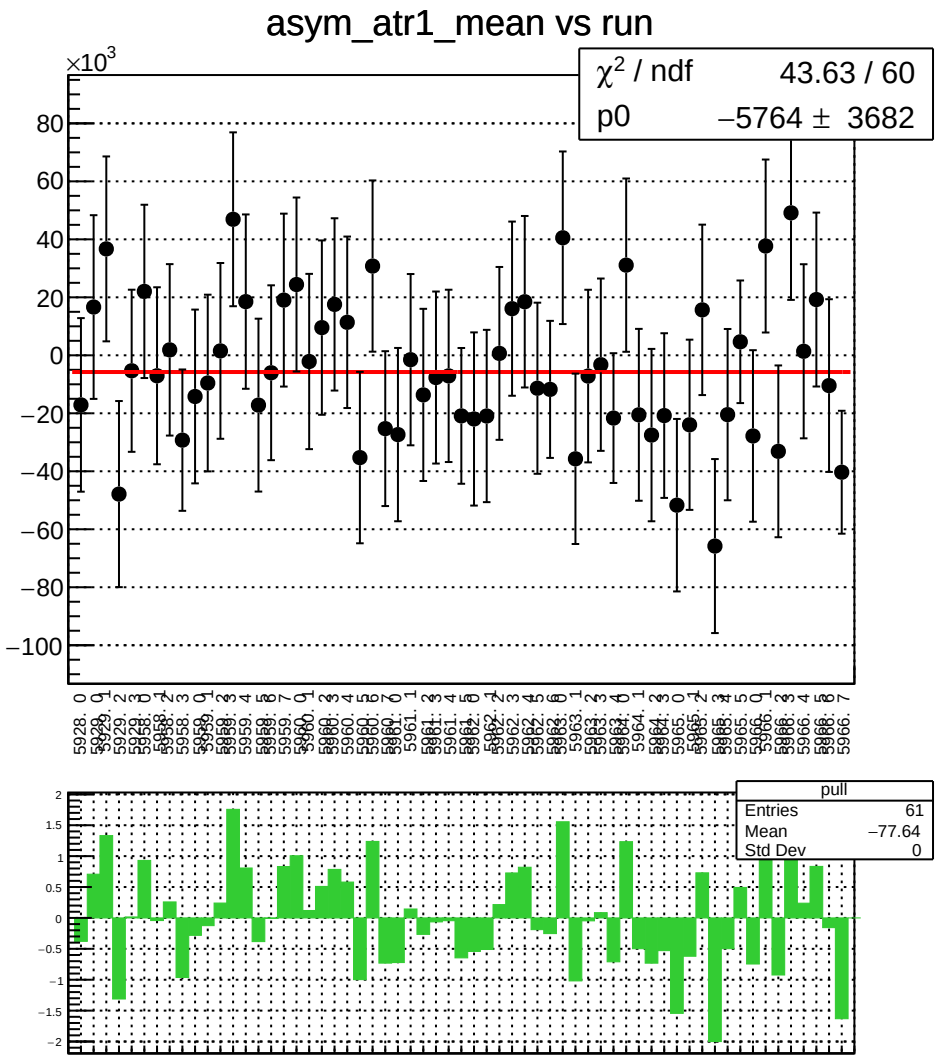

pull1D
Entries 61
Mean 0.02285
Std Dev 0.8297

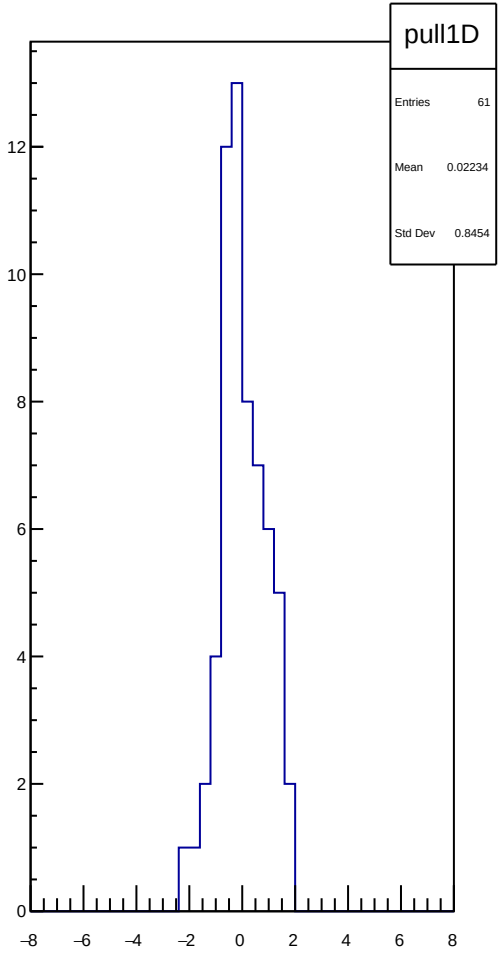

eigen_dit_asym_atr1_rms vs run
χ² / ndf 614.8 / 60
p0 2782 ± 2.548
3050
3000
2950
2900
2850
2800
2750
2700

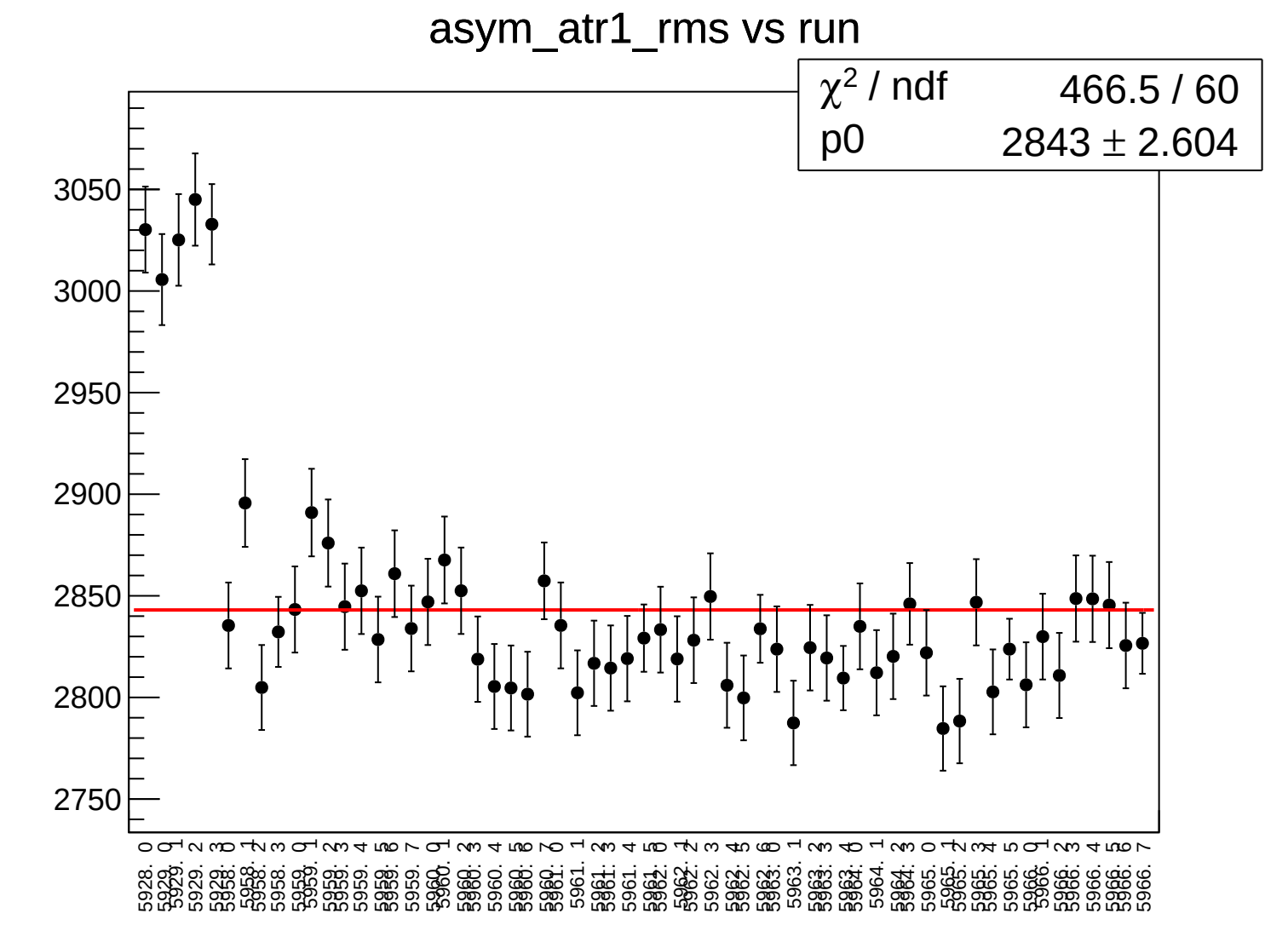

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 61.14 / 60
p0 −1104 ± 763.5
pull
Entries 61
Mean 2843
Std Dev 0

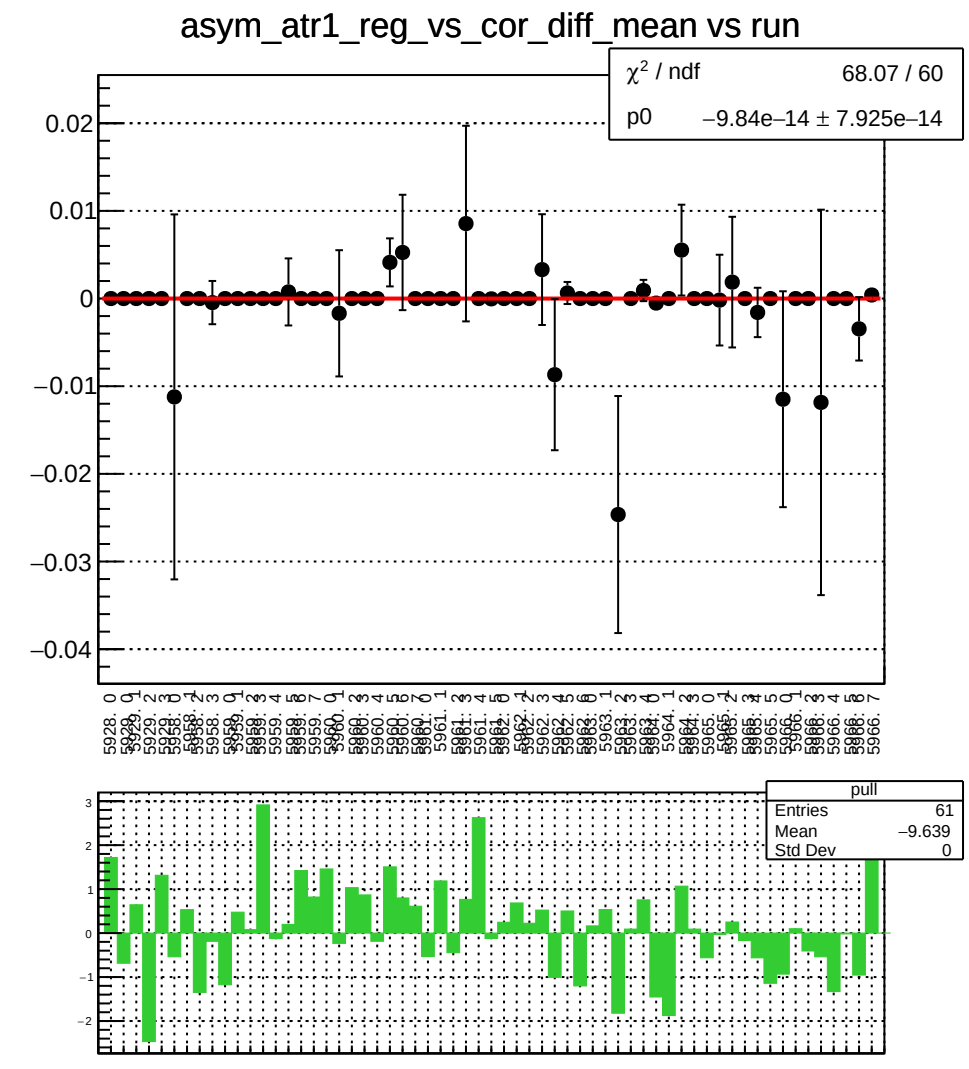

pull1D
Entries 61
Mean 0.0004664
Std Dev 1.001

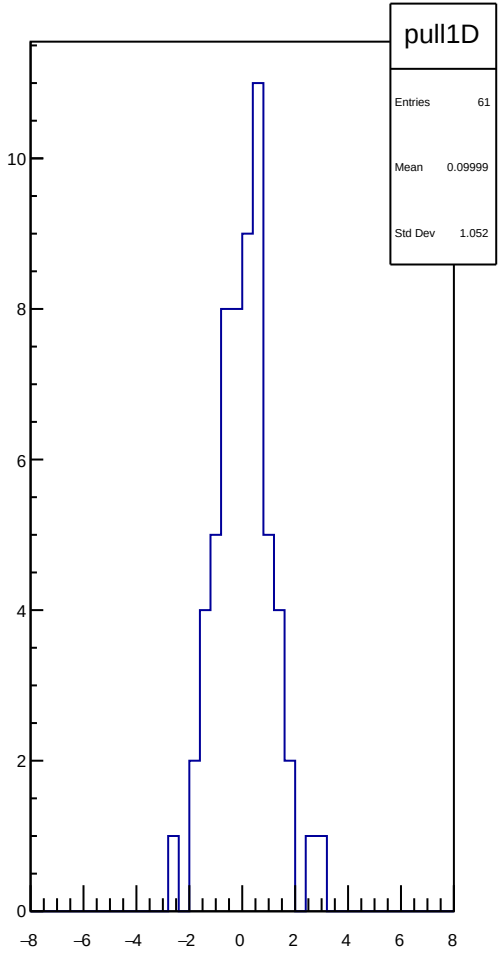

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 584.1 / 60
p0 589.5 ± 0.5399
640
630
620
610
600
590
580
570
560

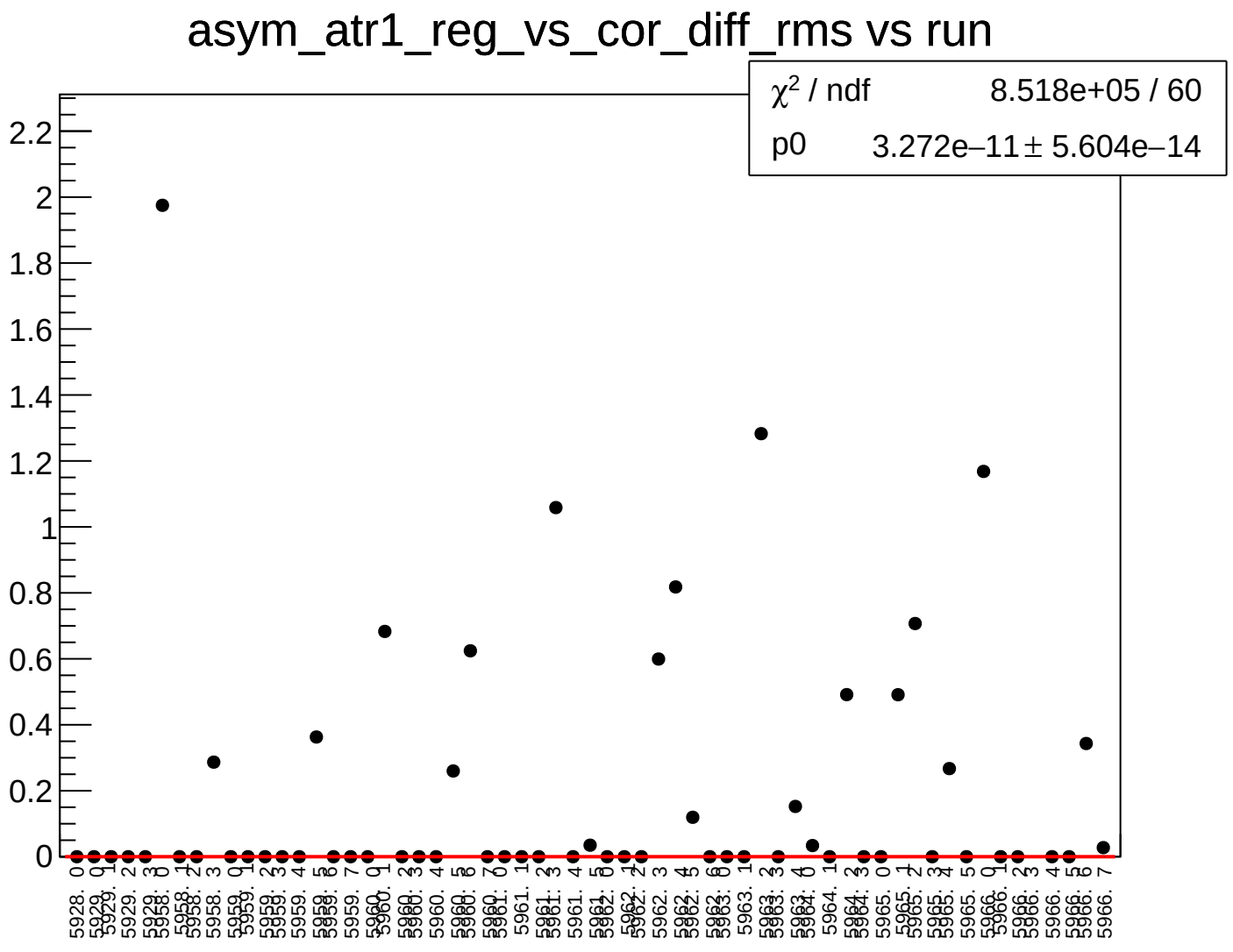

asym_atr1_mean vs run
×10^3
χ² / ndf 43.63 / 60
p0 −5764 ± 3682
pull
Entries 61
Mean −77.64
Std Dev 0

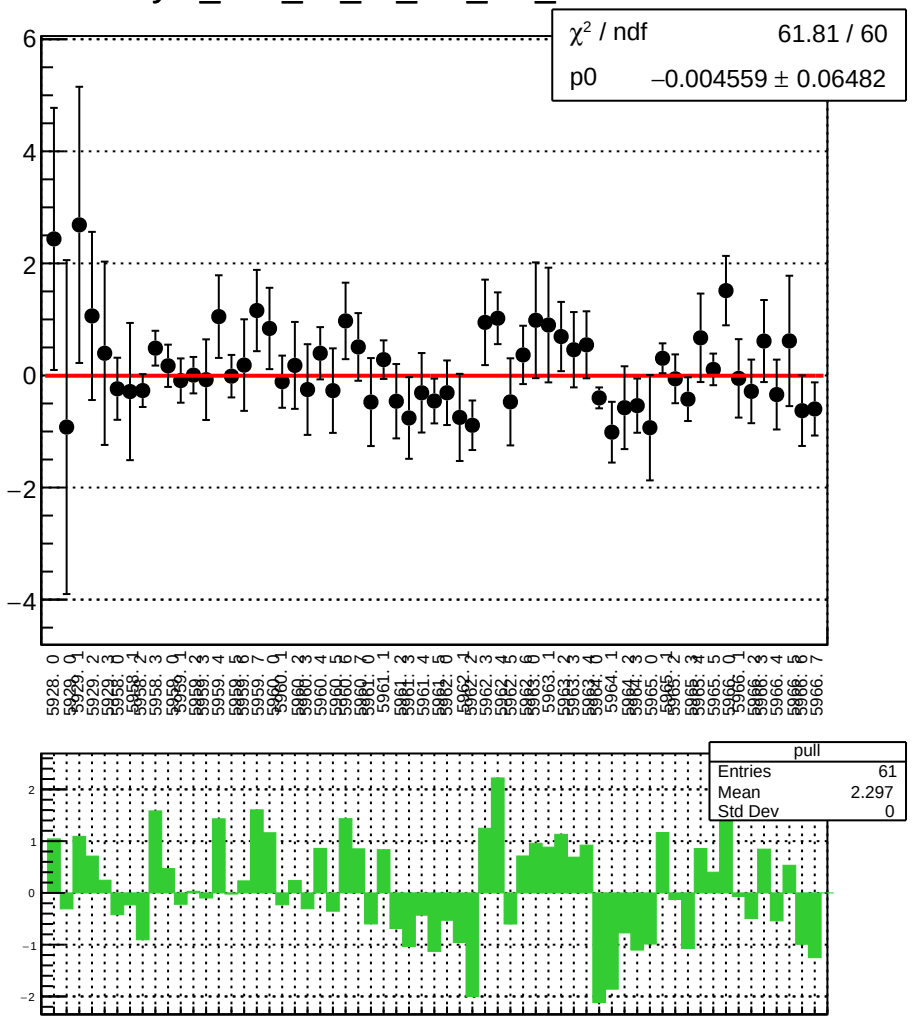

pull1D
Entries 61
Mean 0.02234
Std Dev 0.8454

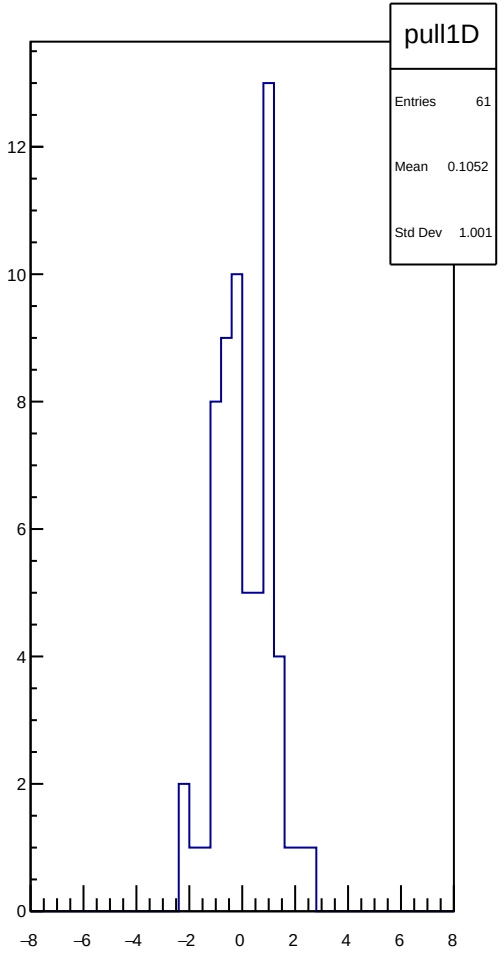

asym_atr1_rms vs run
χ² / ndf 466.5 / 60
p0 2843 ± 2.604
3050
3000
2950
2900
2850
2800
2750

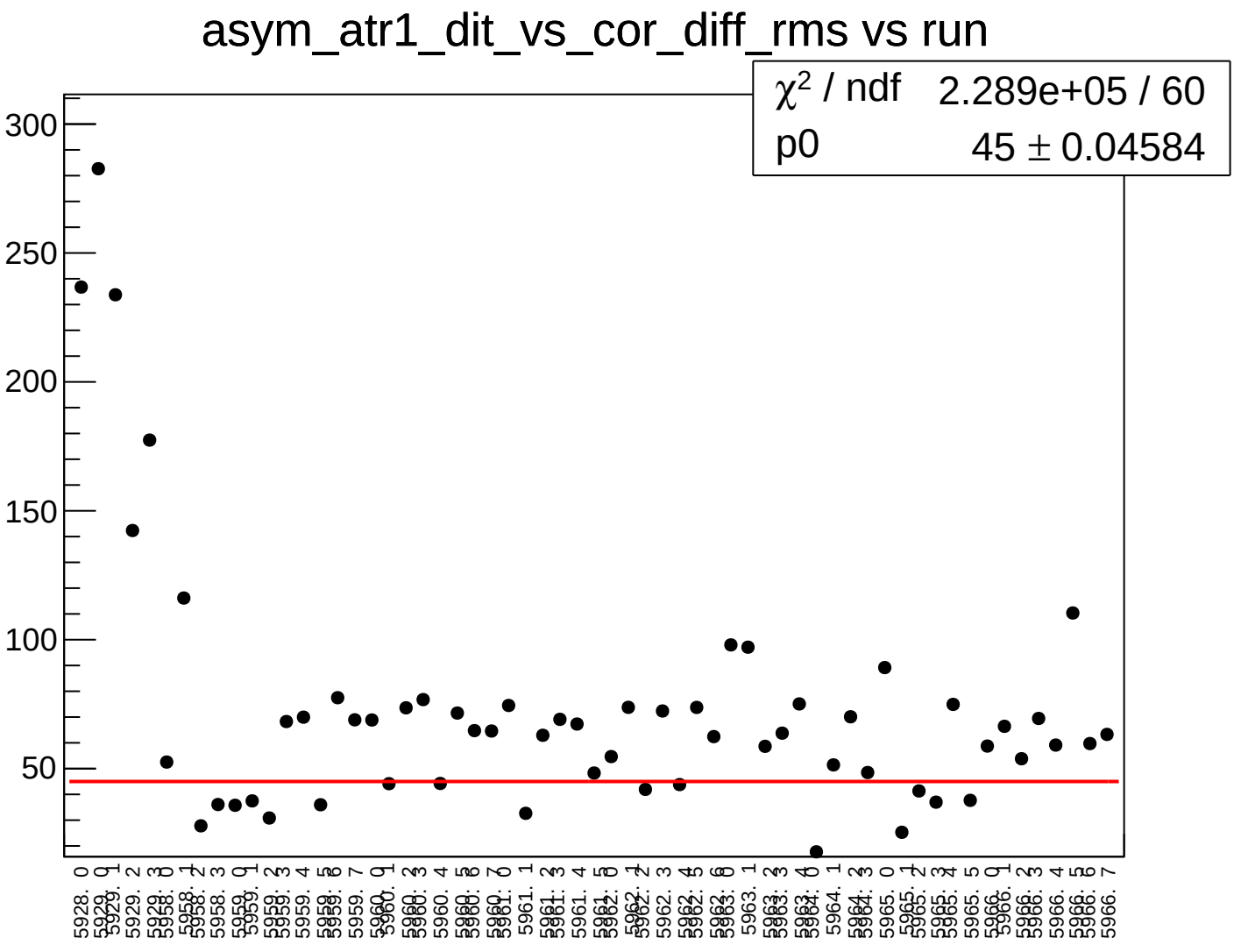

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 68.07 / 60
p0 −9.84e−14 ± 7.925e−14
pull
Entries 61
Mean −9.639
Std Dev 0

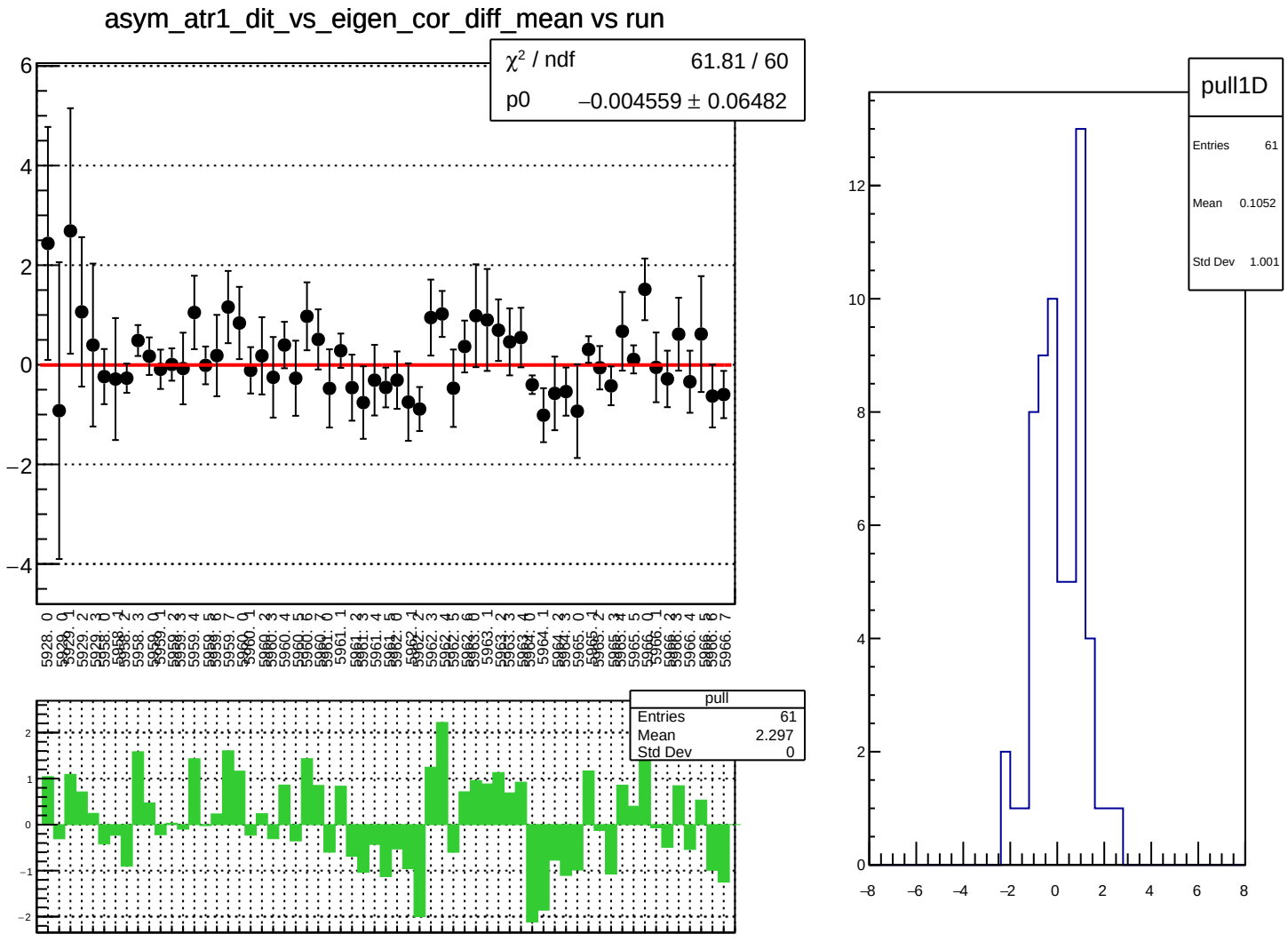

pull1D
Entries 61
Mean 0.09999
Std Dev 1.052

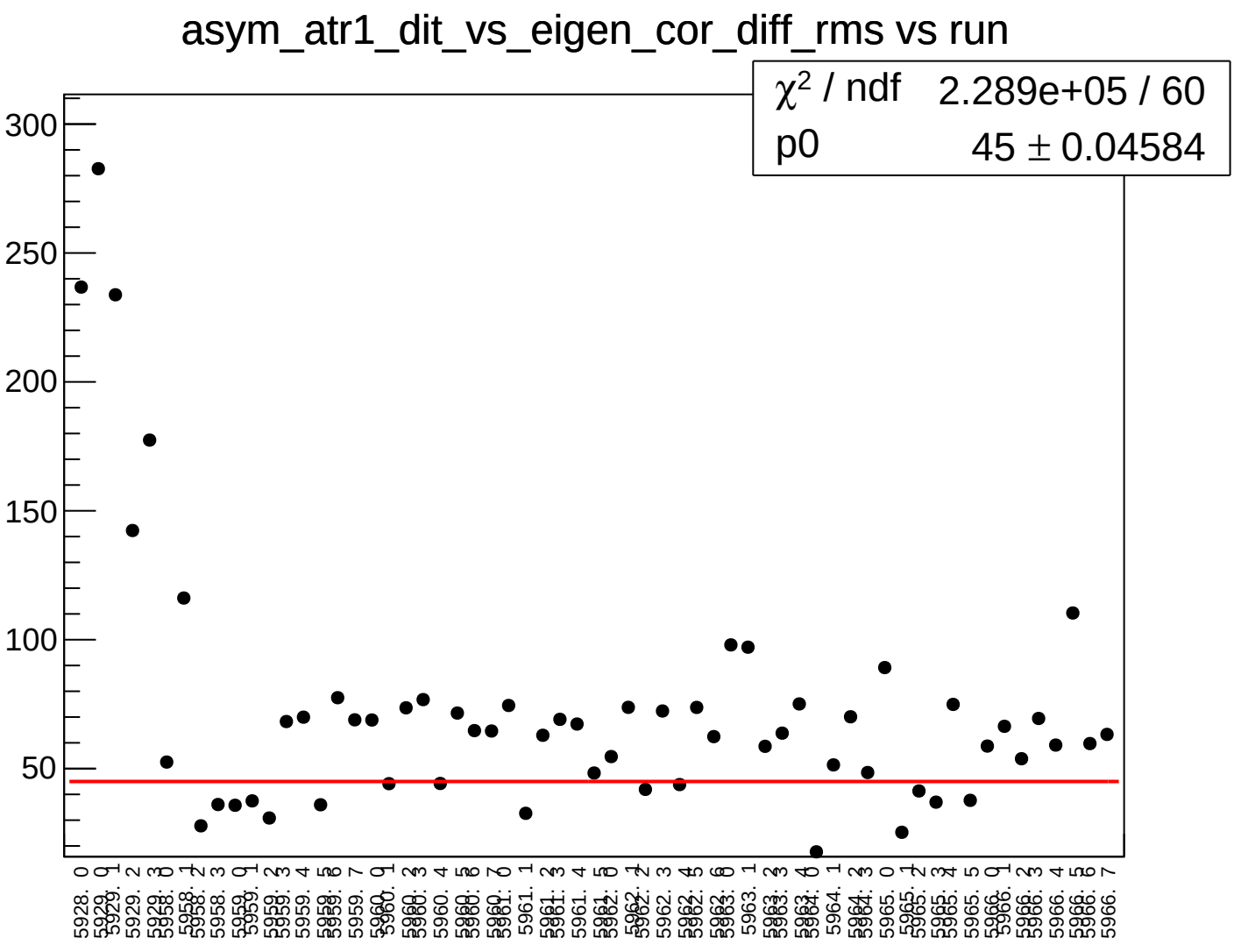

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.518e+05 / 60
p0 3.272e−11 ± 5.604e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

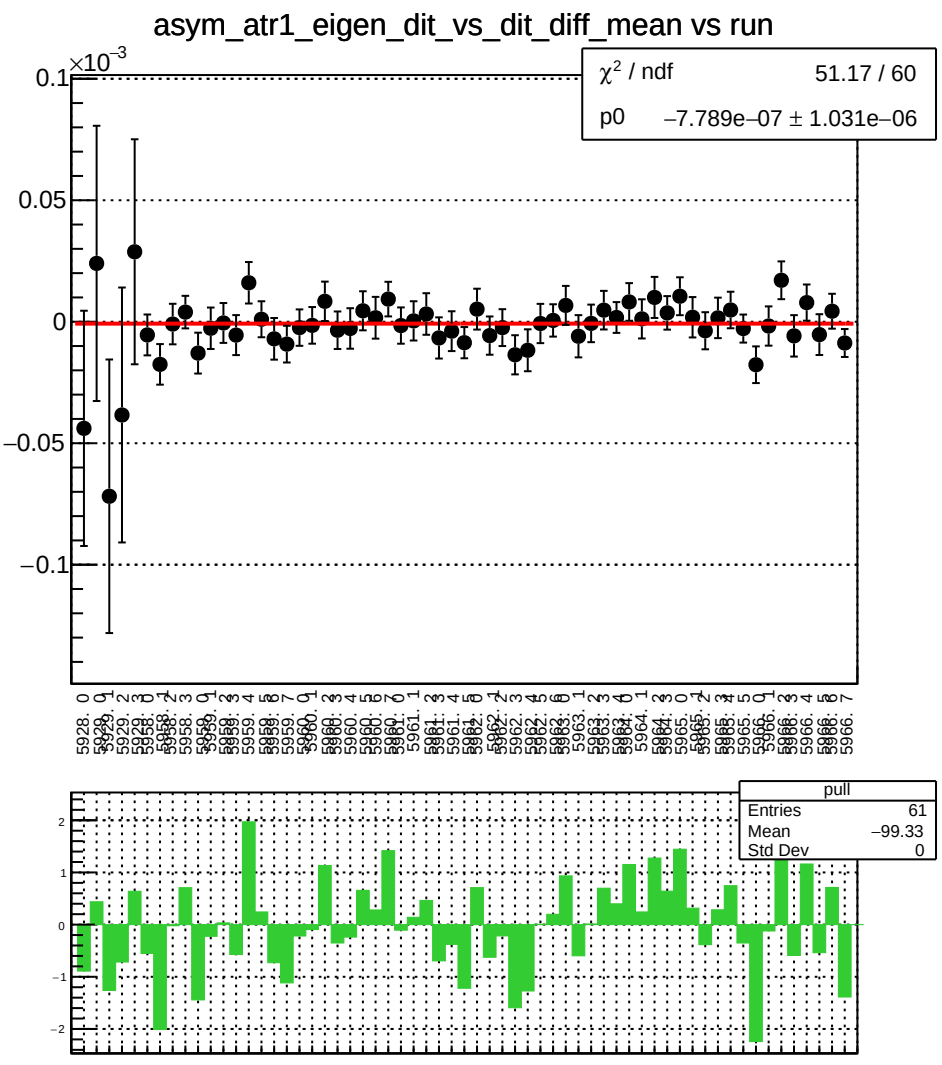

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 61.81 / 60
p0 −0.004559 ± 0.06482
pull
Entries 61
Mean 2.297
Std Dev 0

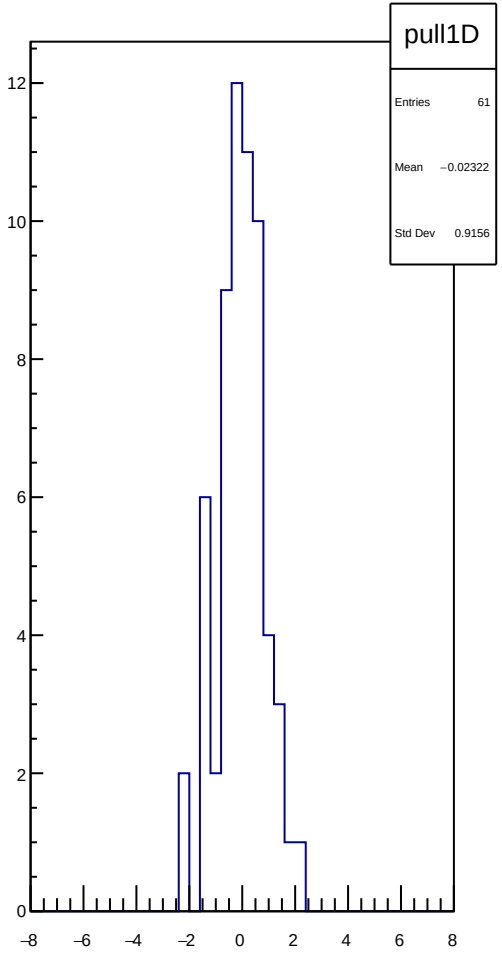

pull1D
Entries 61
Mean 0.1052
Std Dev 1.001

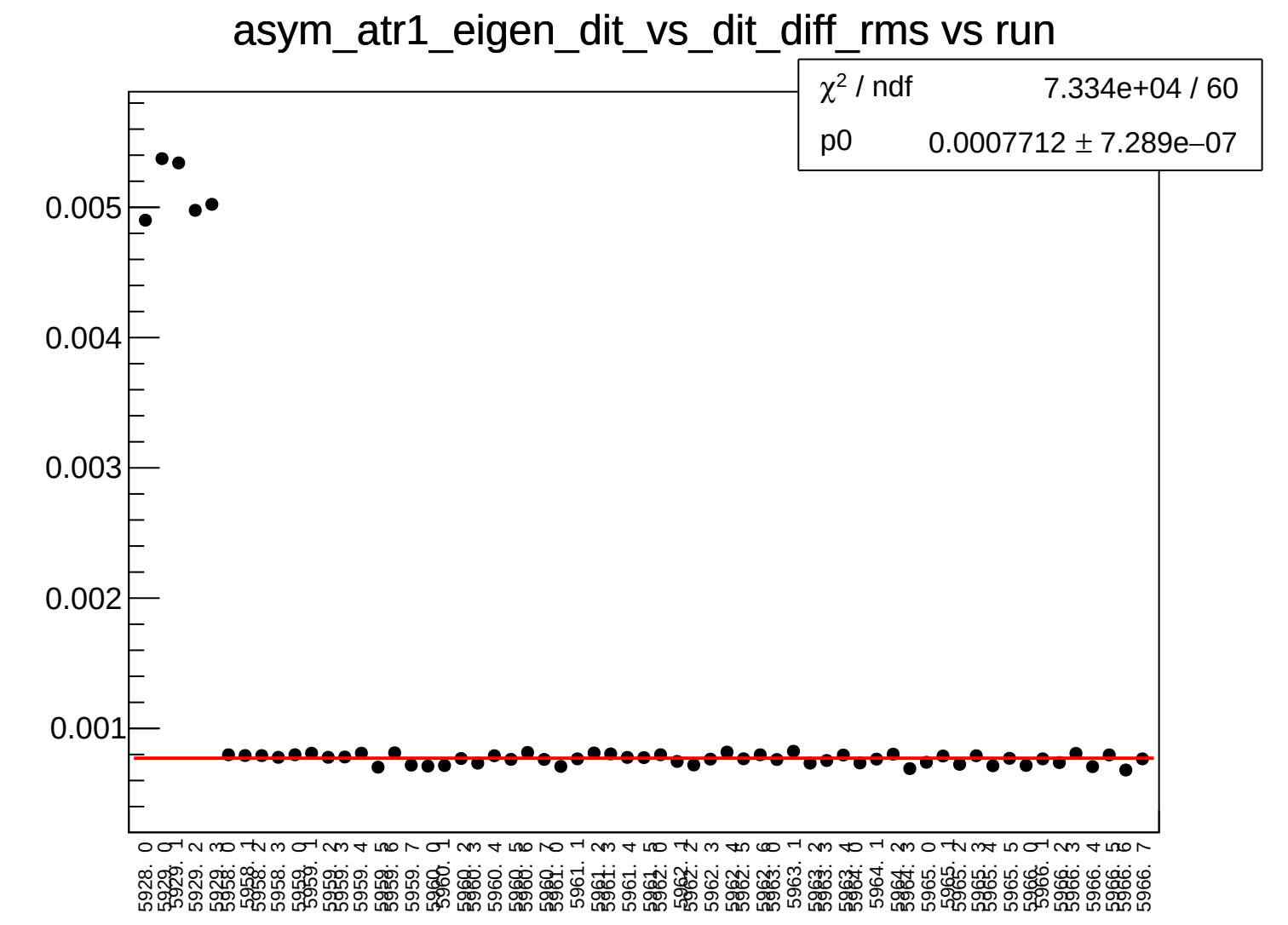

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 60
p0 45 ± 0.04584
300
250
200
150
100
50

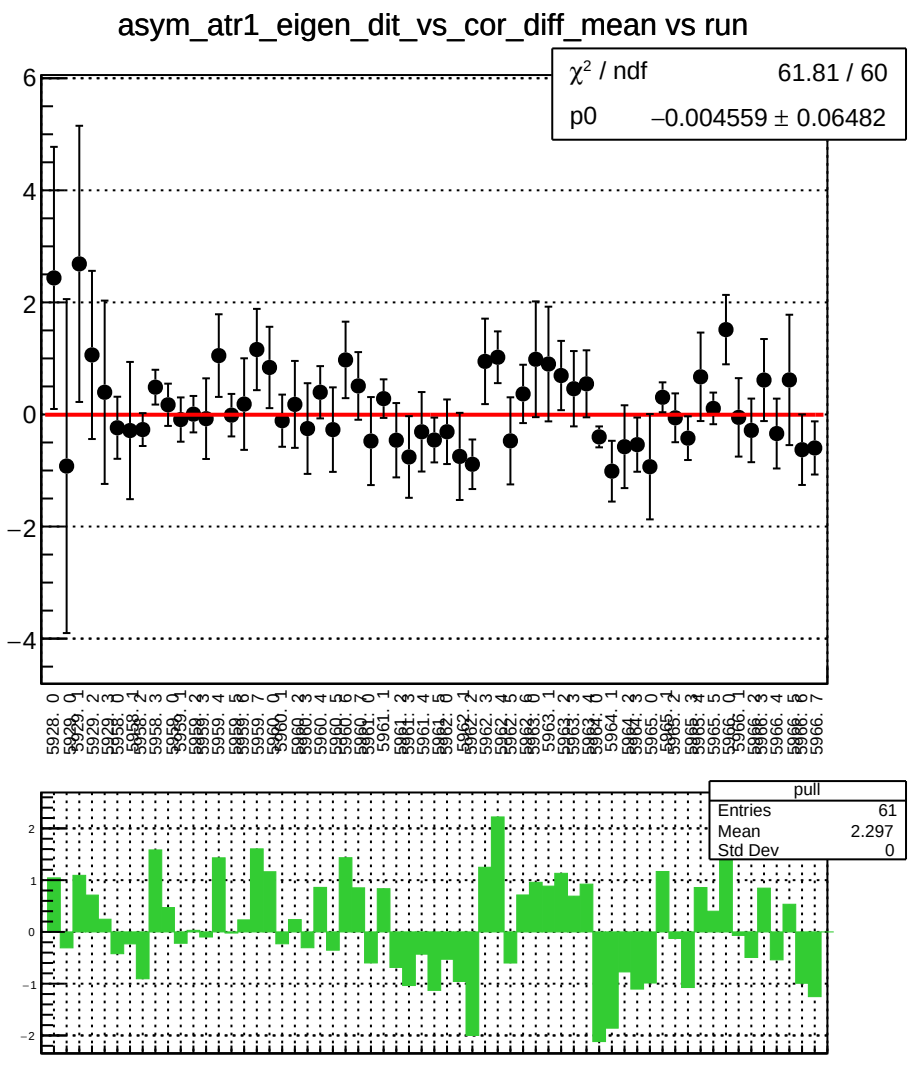

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.81 / 60
p0 −0.004559 ± 0.06482
pull
Entries 61
Mean 2.297
Std Dev 0
pull1D
Entries 61
Mean 0.1052
Std Dev 1.001

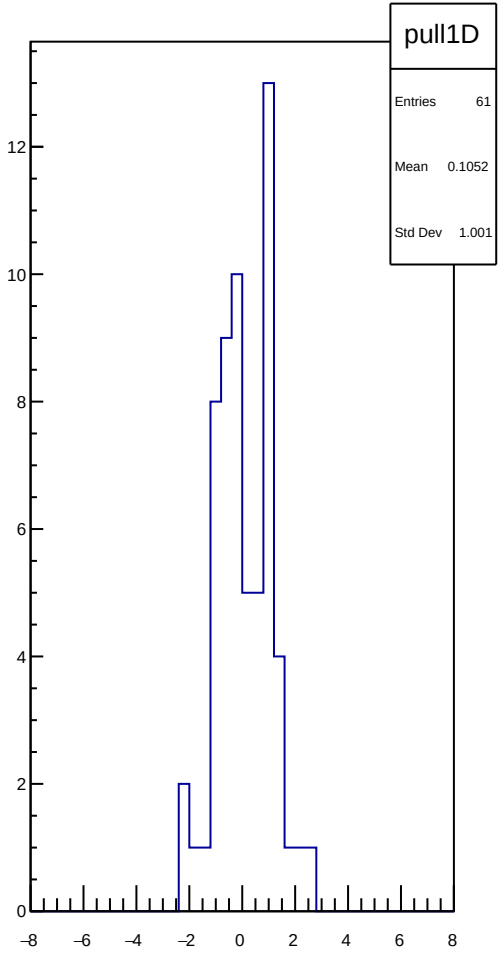

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 60
p0 45 ± 0.04584
300
250
200
150
100
50

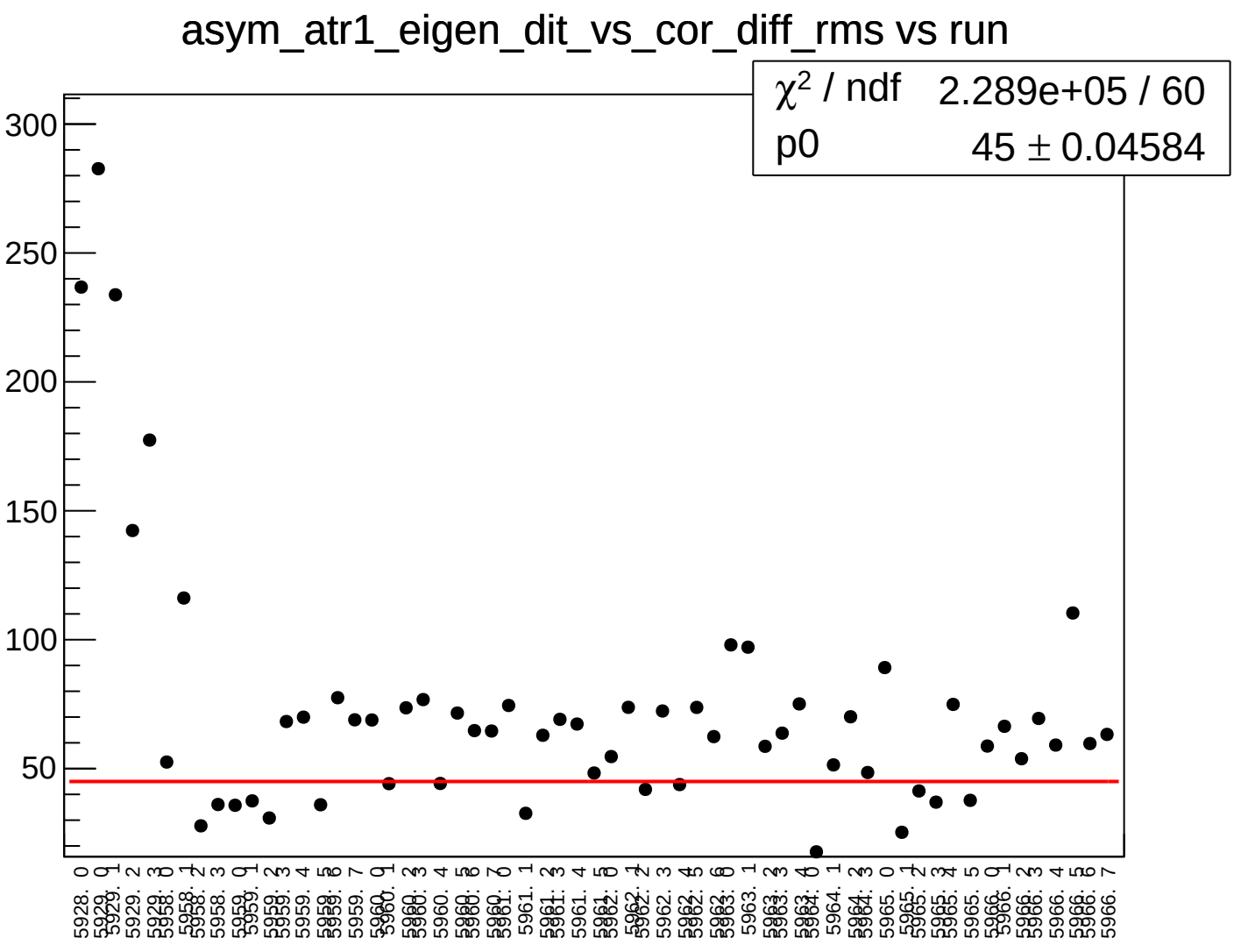

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.17 / 60
p0 −7.789e−07 ± 1.031e−06
pull
Entries 61
Mean −99.33
Std Dev 0

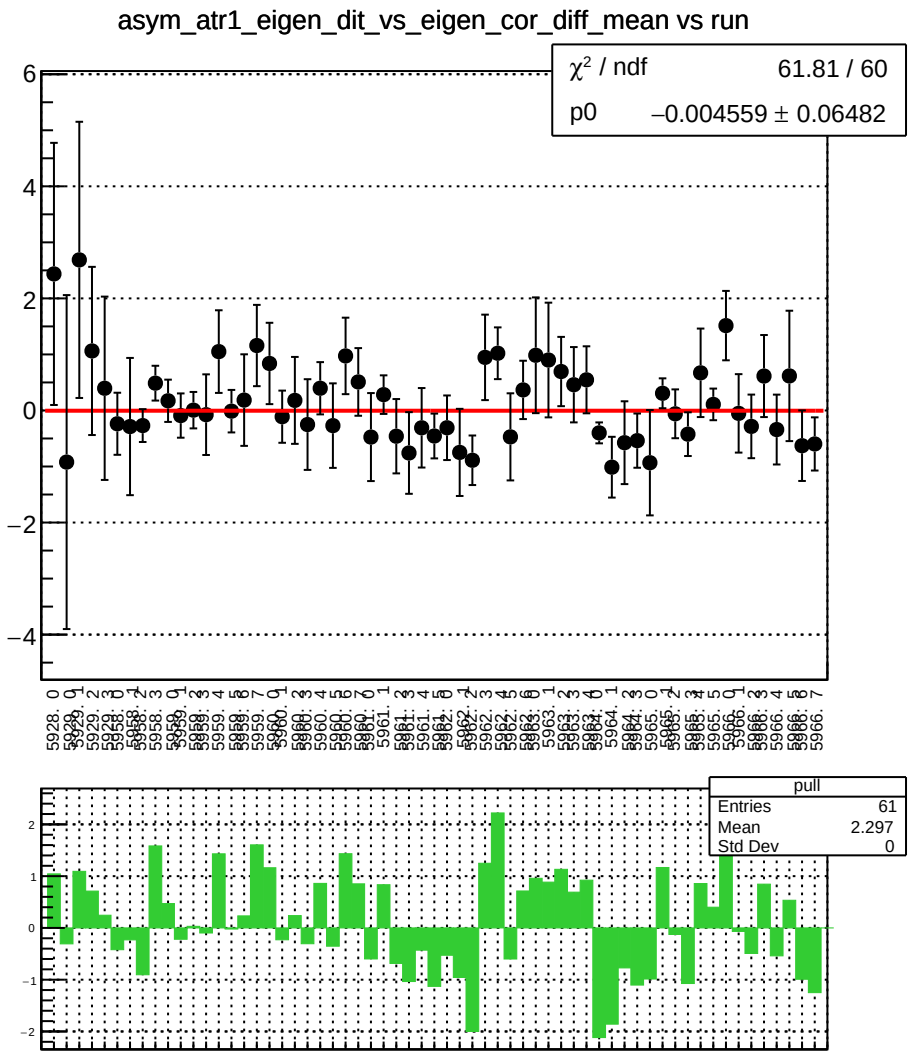

pull1D
Entries 61
Mean −0.02322
Std Dev 0.9156

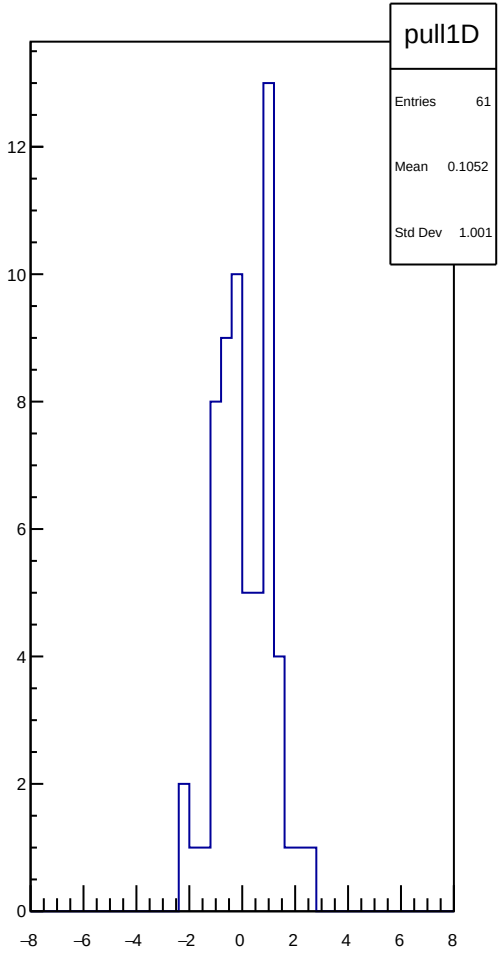

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.334e+04 / 60
p0 0.0007712 ± 7.289e−07
0.005
0.004
0.003
0.002
0.001

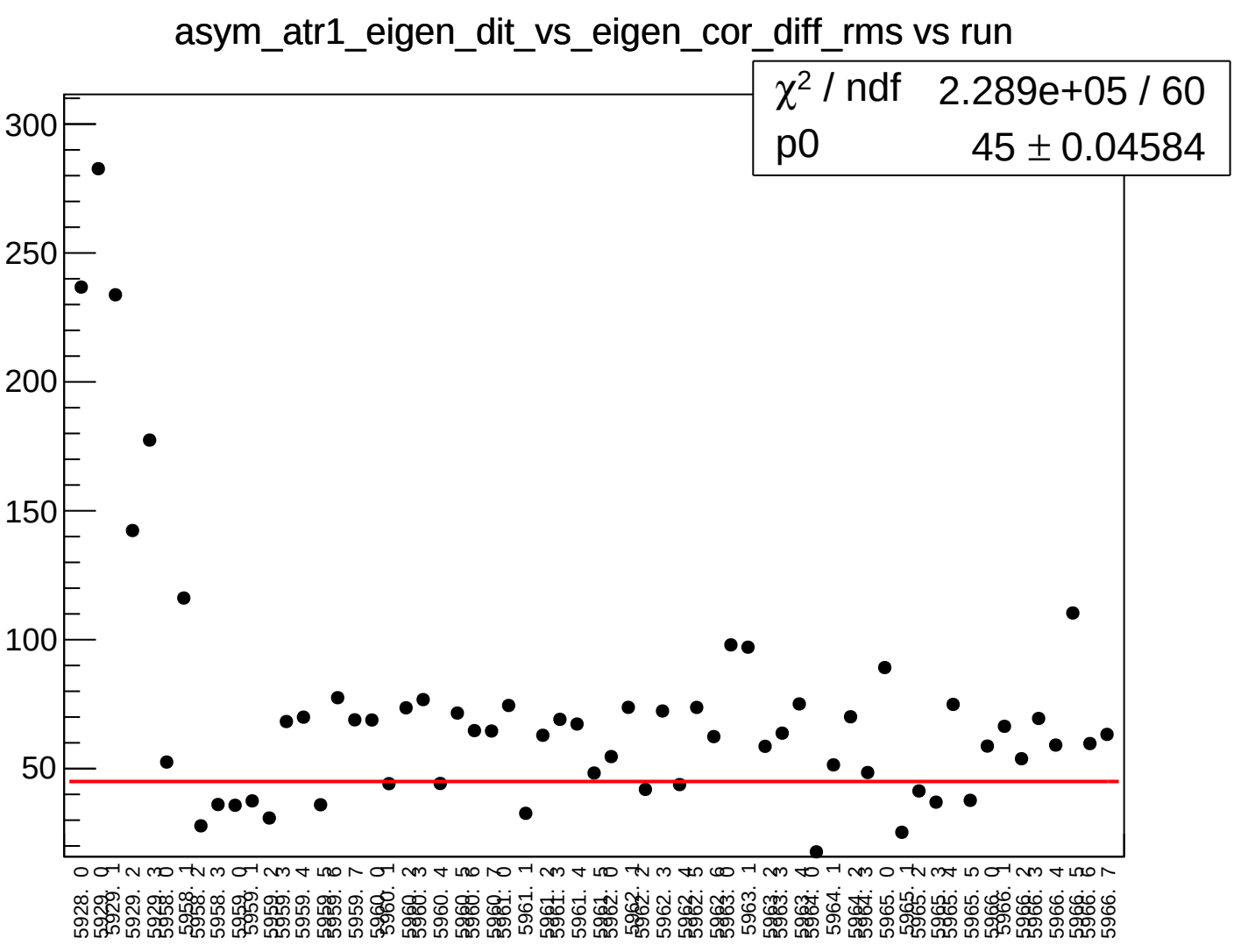

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 61.81 / 60
p0 −0.004559 ± 0.06482
pull
Entries 61
Mean 2.297
Std Dev 0

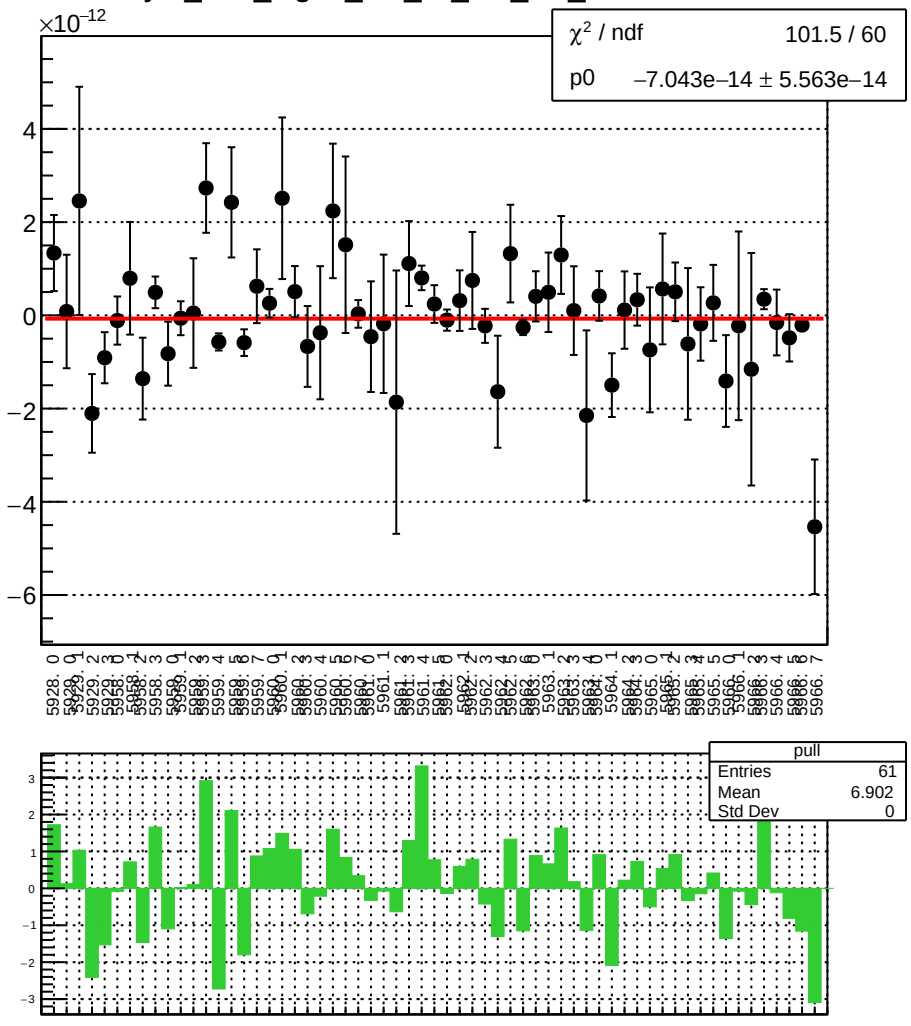

pull1D
Entries 61
Mean 0.1052
Std Dev 1.001

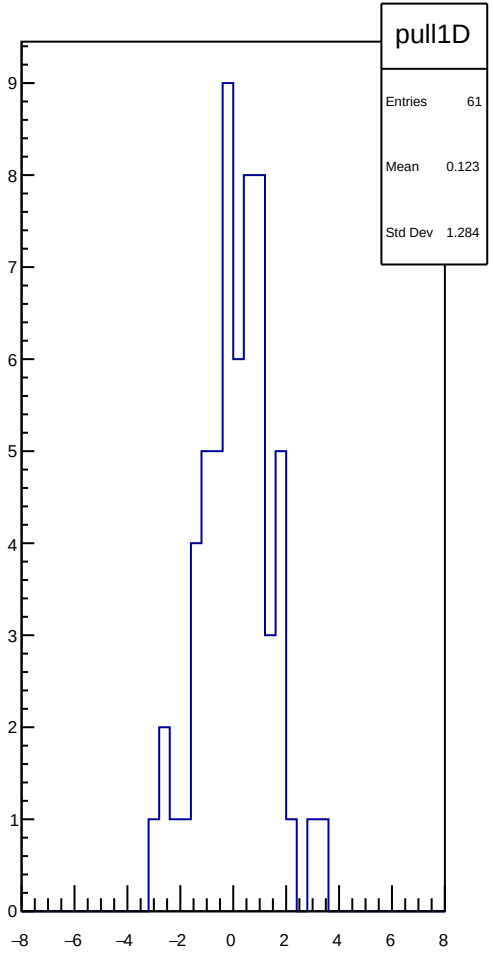

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 60
p0 45 ± 0.04584
300
250
200
150
100
50

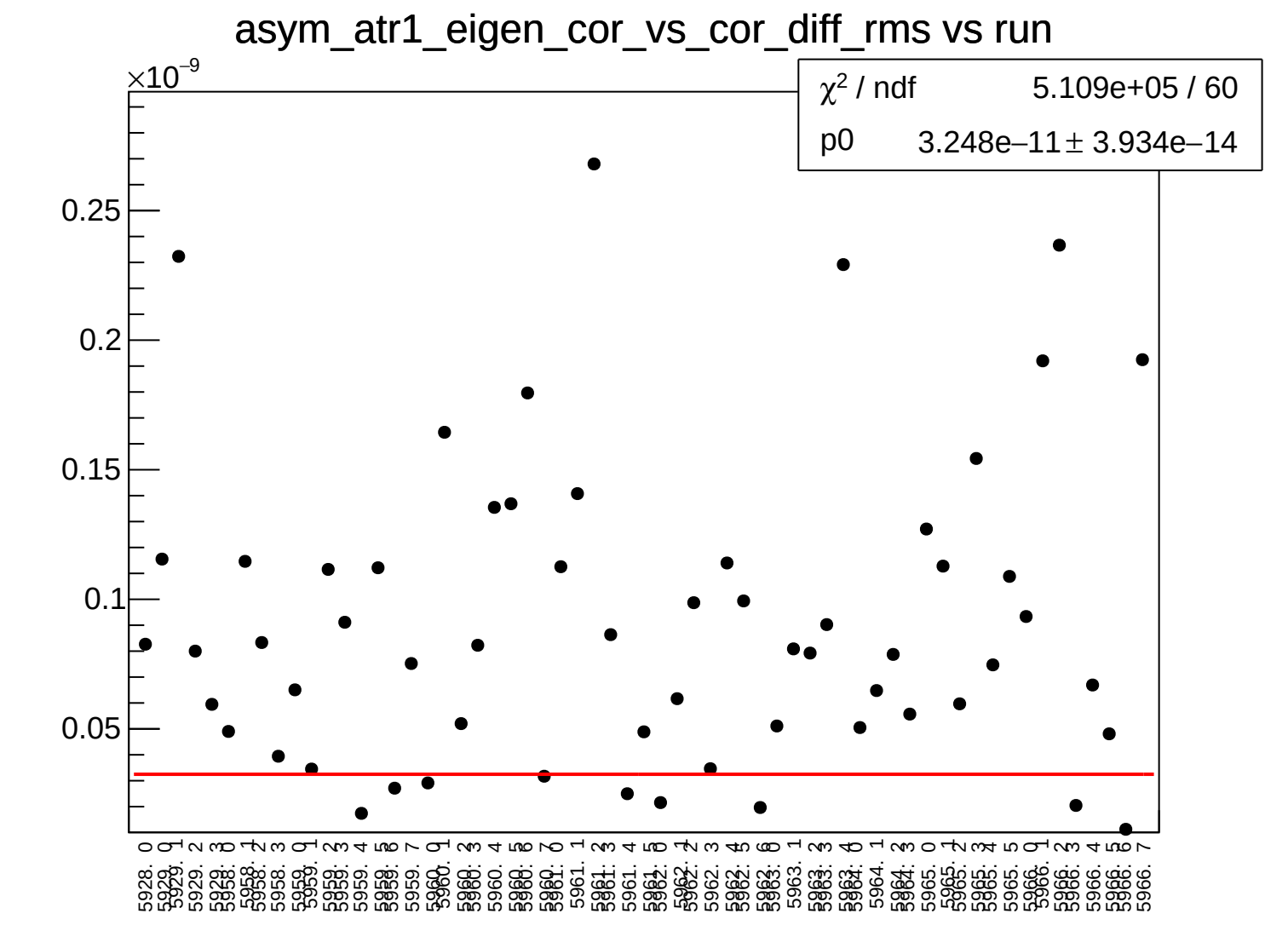

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 61.81 / 60
p0 −0.004559 ± 0.06482
pull
Entries 61
Mean 2.297
Std Dev 0

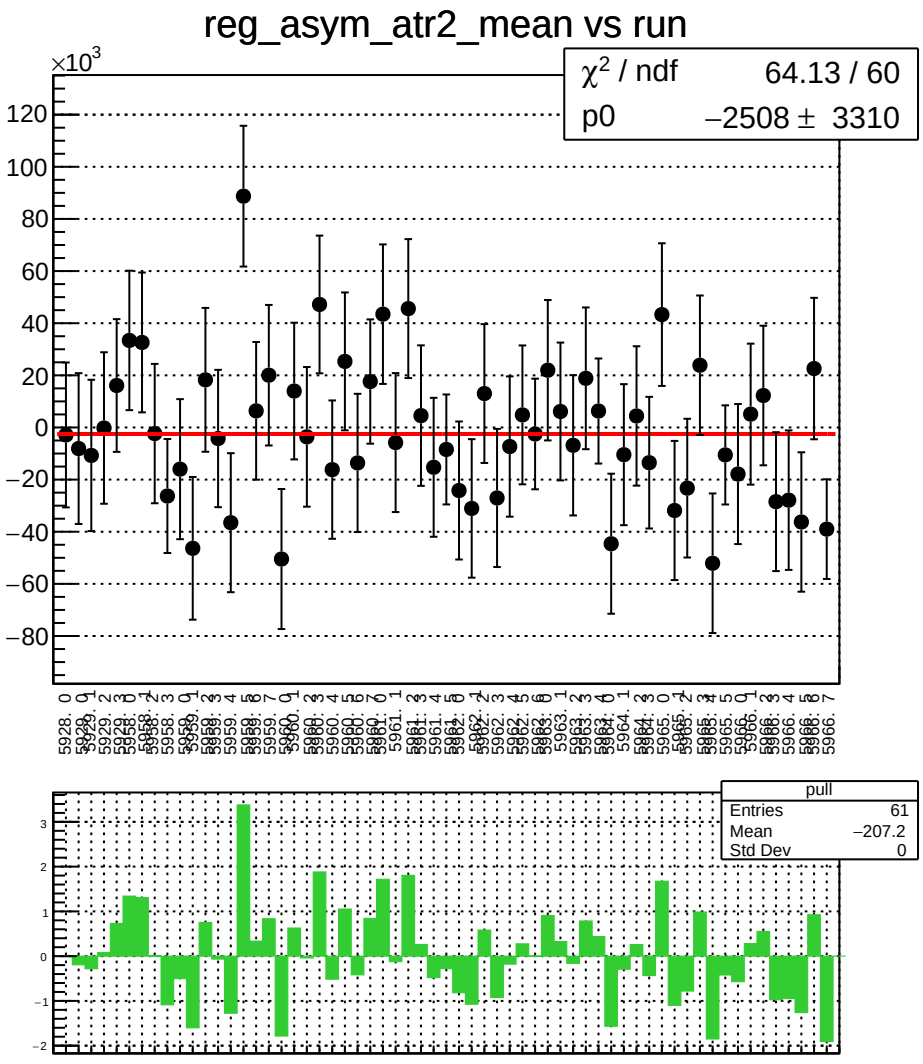

pull1D
Entries 61
Mean 0.1052
Std Dev 1.001

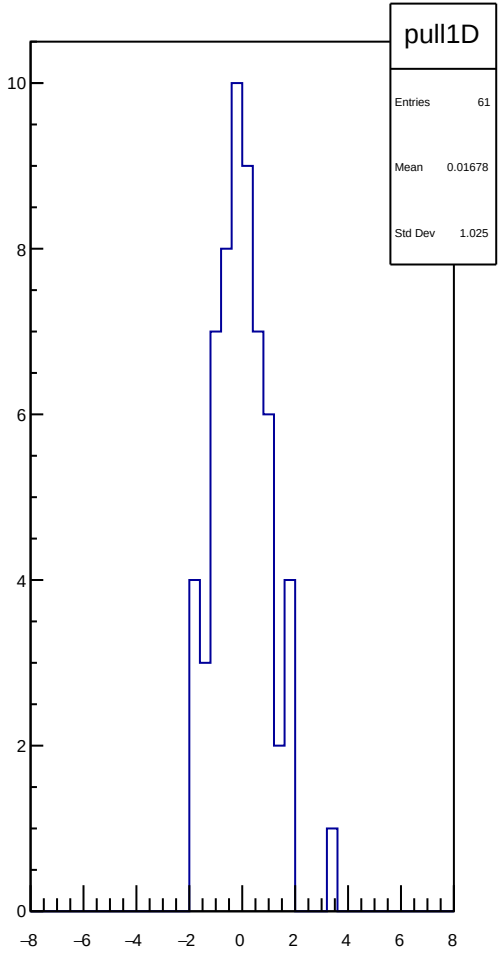

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.289e+05 / 60
p0 45 ± 0.04584
300
250
200
150
100
50

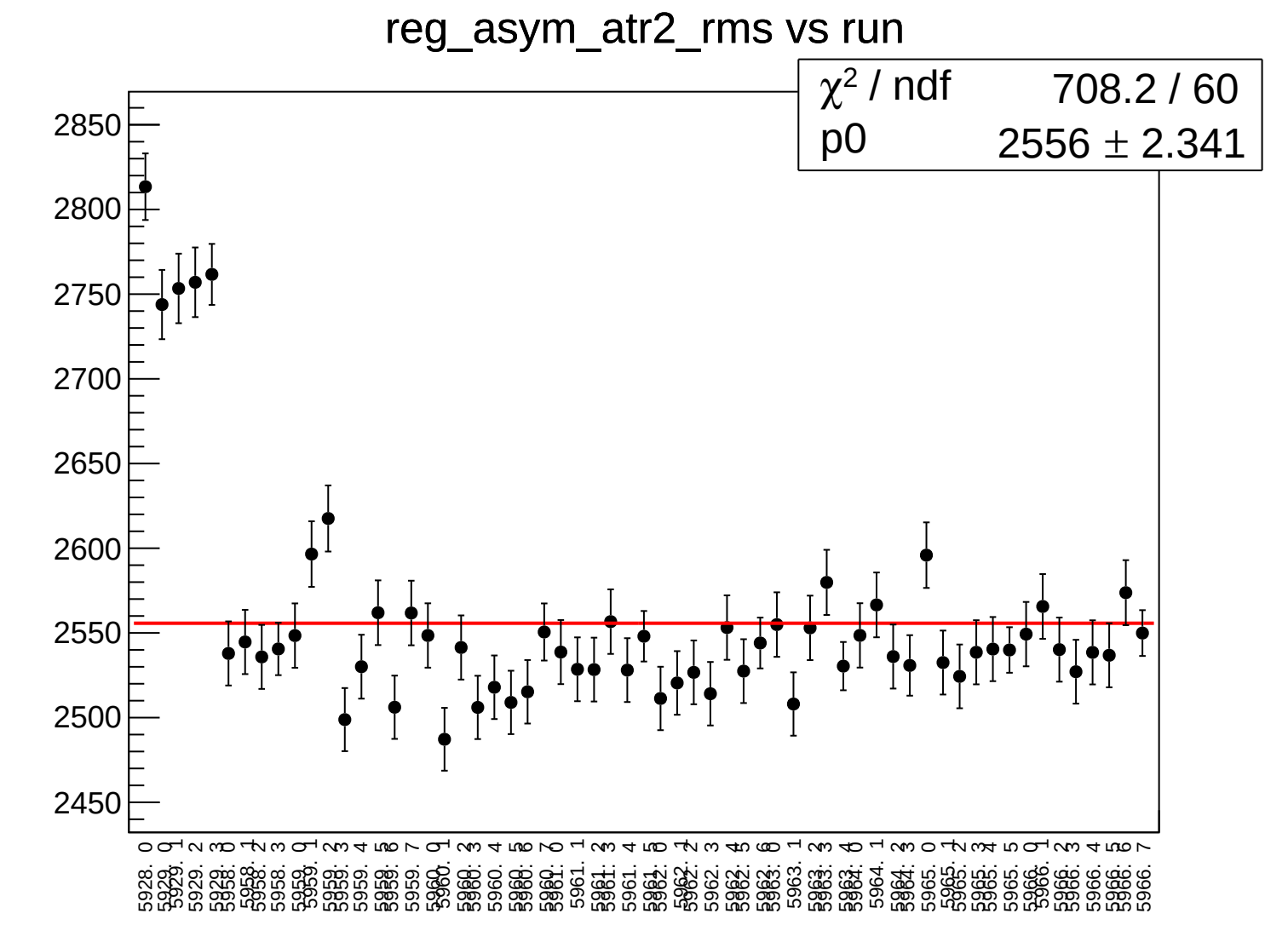

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 101.5 / 60
p0 −7.043e−14 ± 5.563e−14
pull
Entries 61
Mean 6.902
Std Dev 0

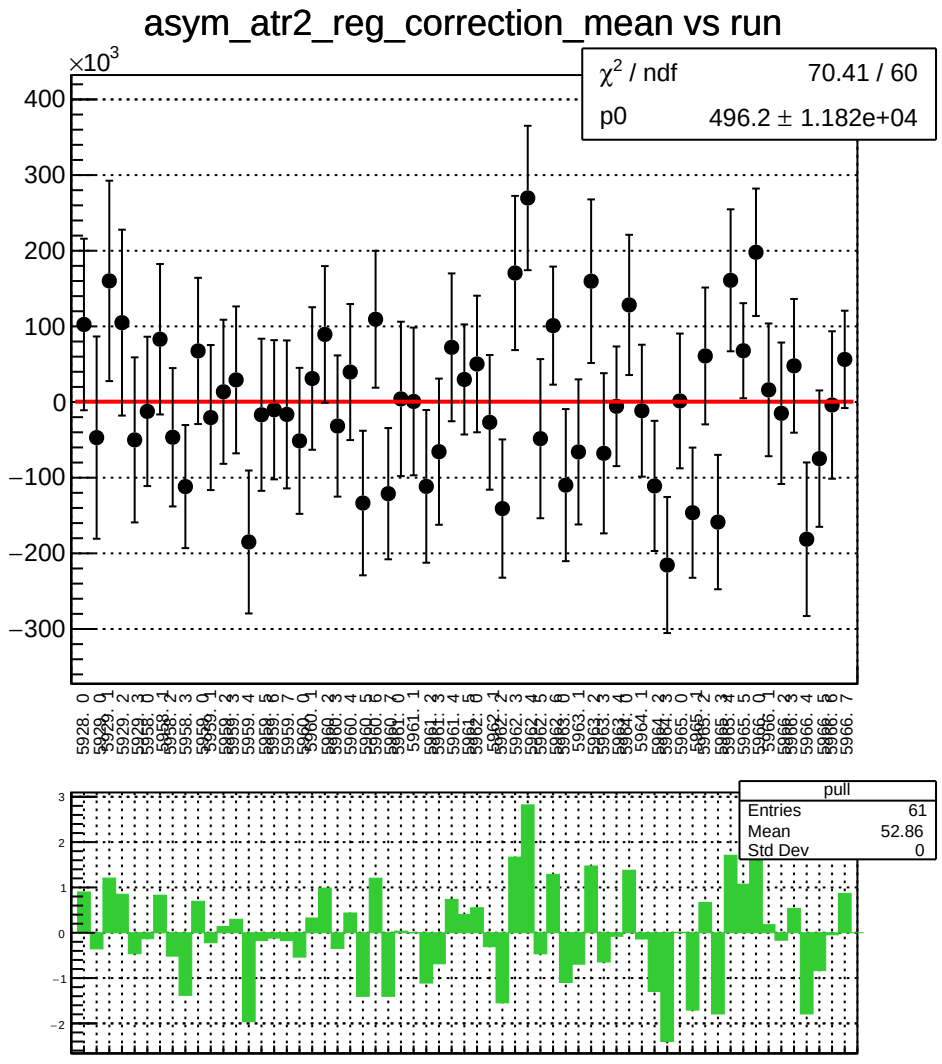

pull1D
Entries 61
Mean 0.123
Std Dev 1.284

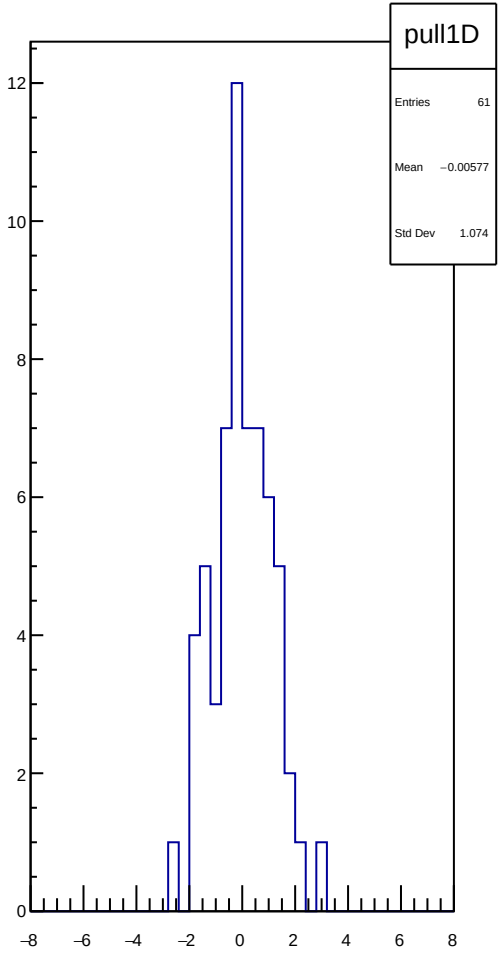

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.109e+05 / 60
p0 3.248e−11 ± 3.934e−14
0.25
0.2
0.15
0.1
0.05

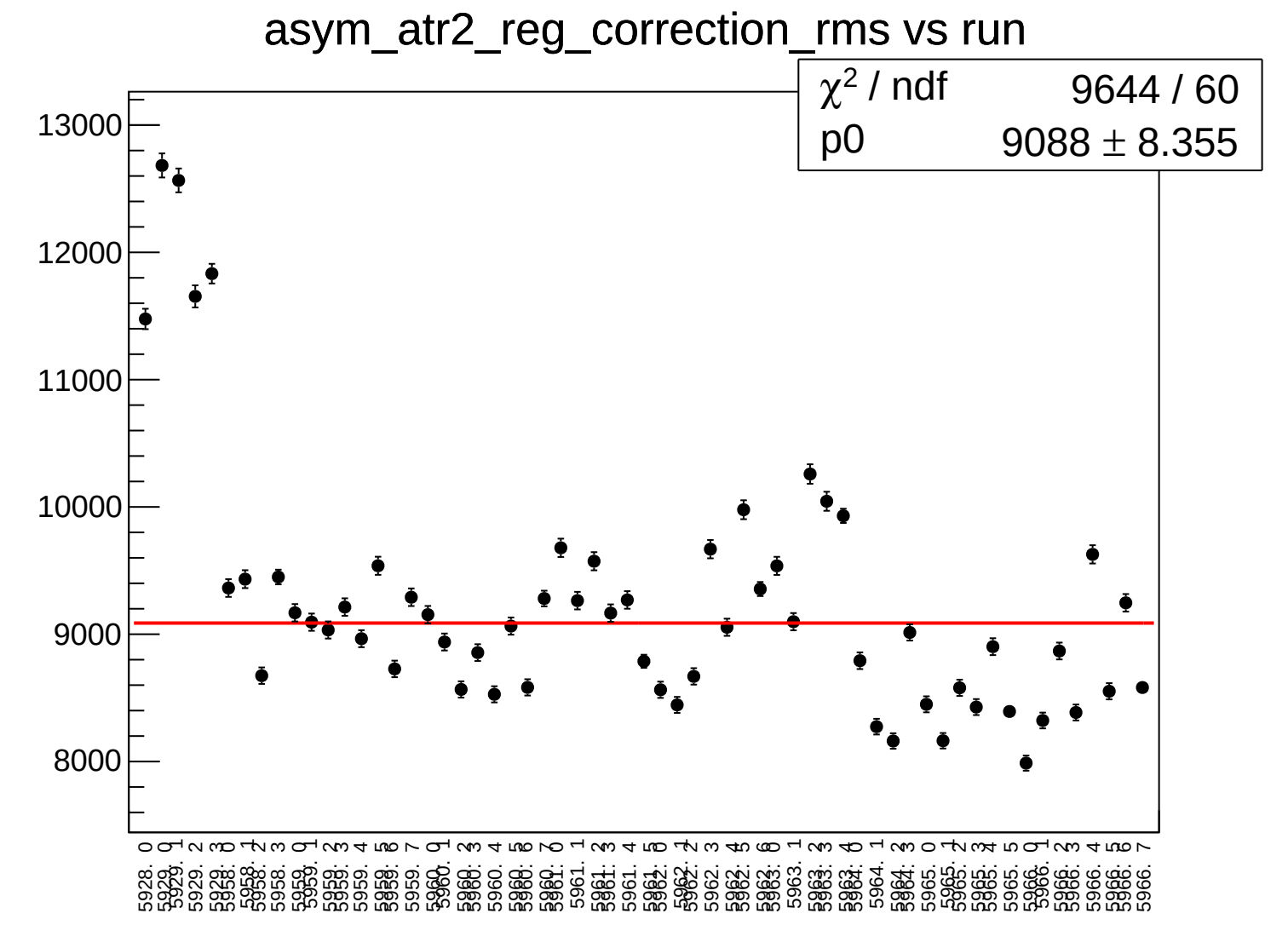

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 64.13 / 60
p0 −2508 ± 3310
pull
Entries 61
Mean −207.2
Std Dev 0

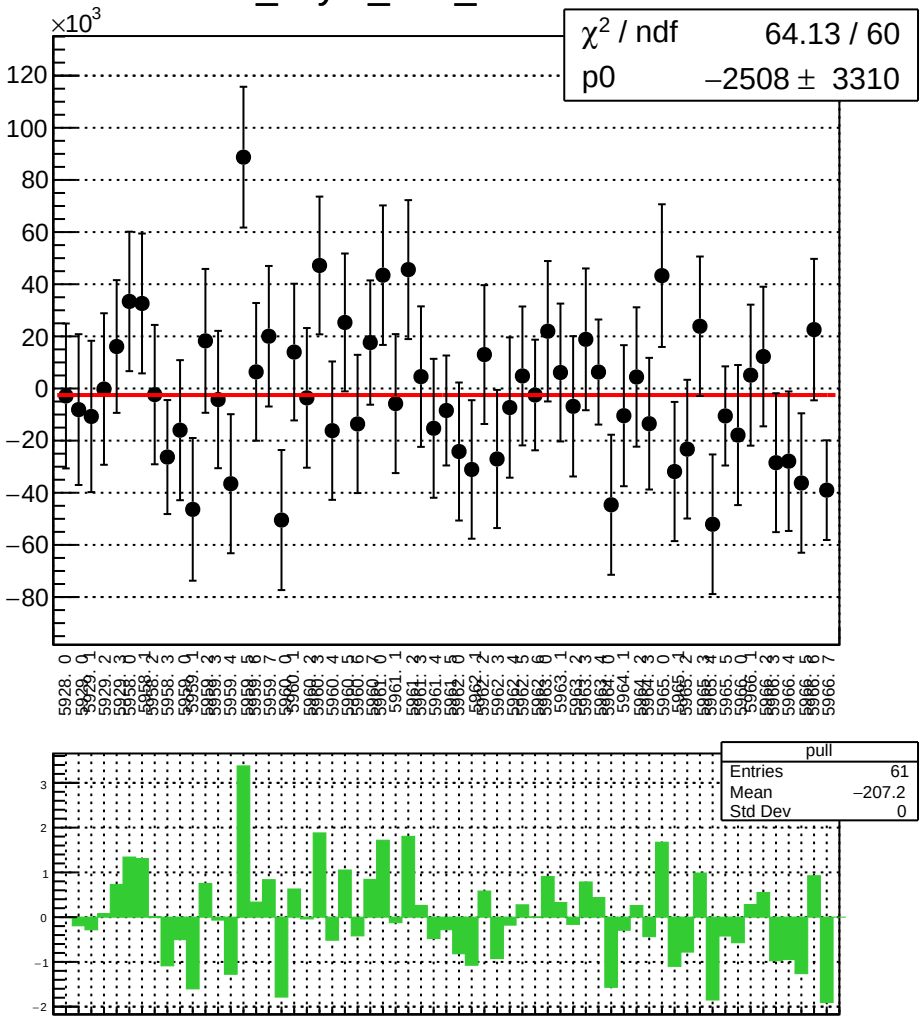

pull1D
Entries 61
Mean 0.01678
Std Dev 1.025

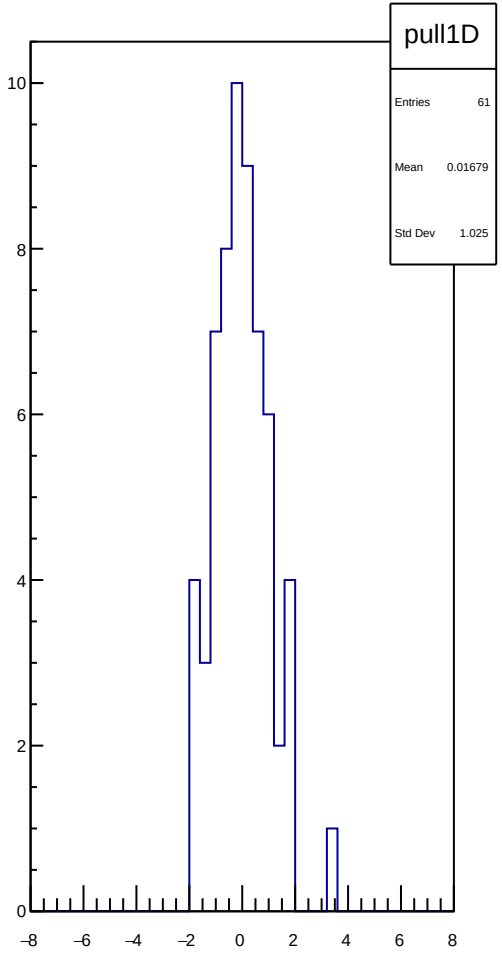

reg_asym_atr2_rms vs run
χ² / ndf 708.2 / 60
p0 2556 ± 2.341
2850
2800
2750
2700
2650
2600
2550
2500
2450

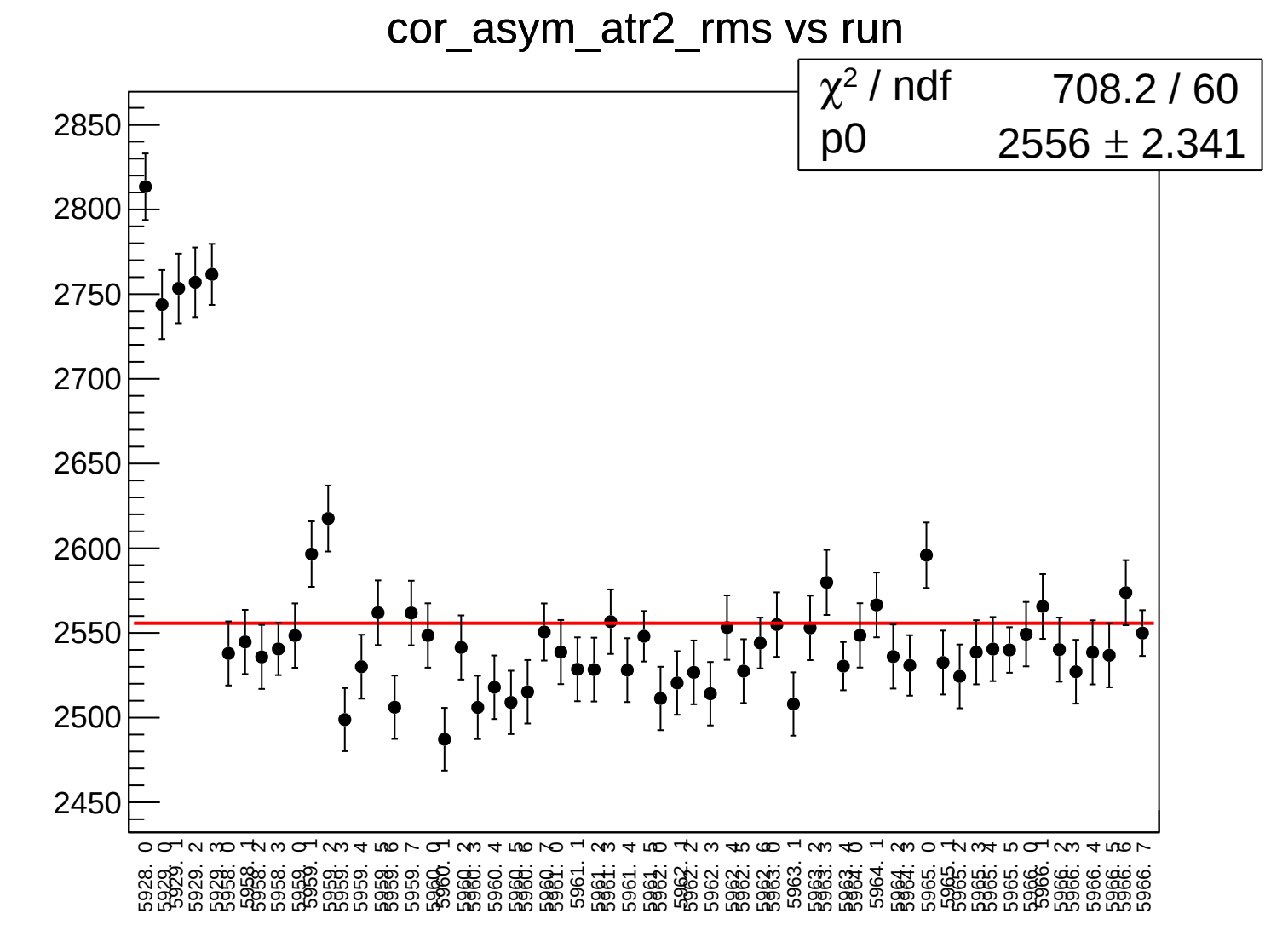

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 70.41 / 60
p0 496.2 ± 1.182e+04
pull
Entries 61
Mean 52.86
Std Dev 0

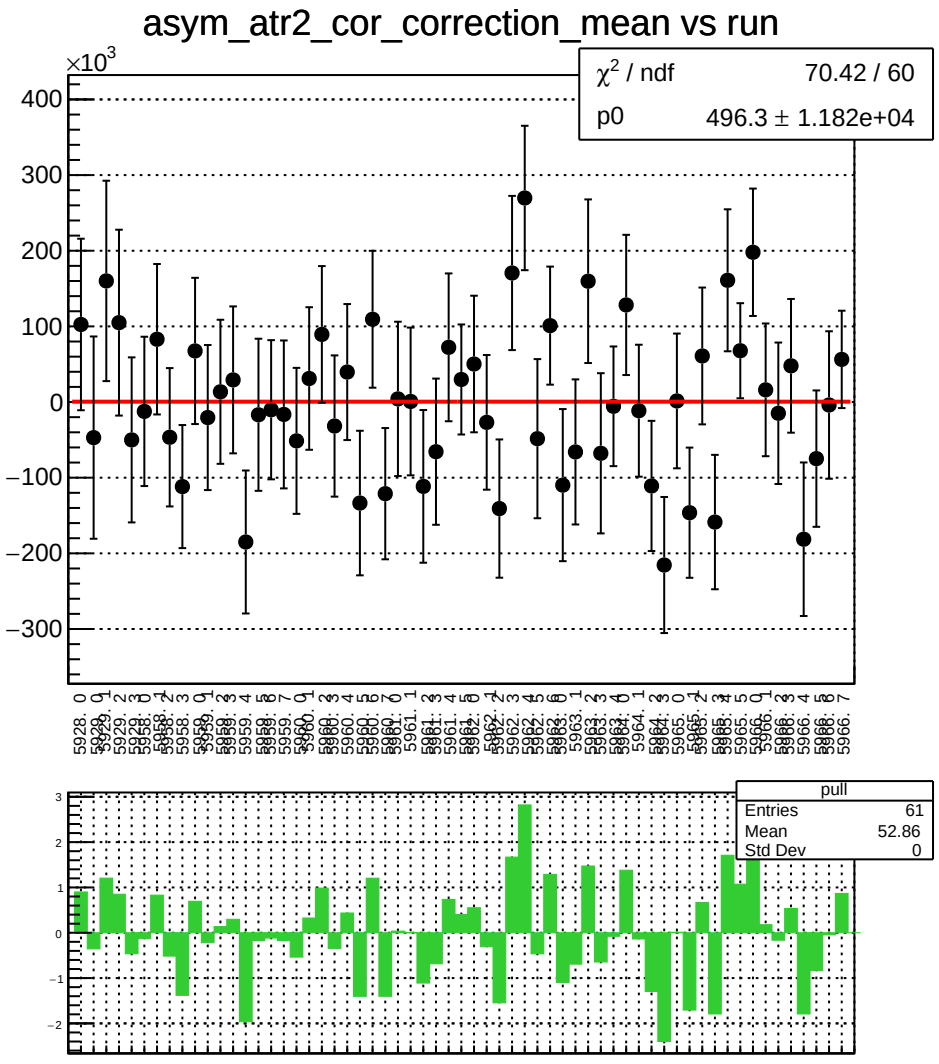

pull1D
Entries 61
Mean −0.00577
Std Dev 1.074

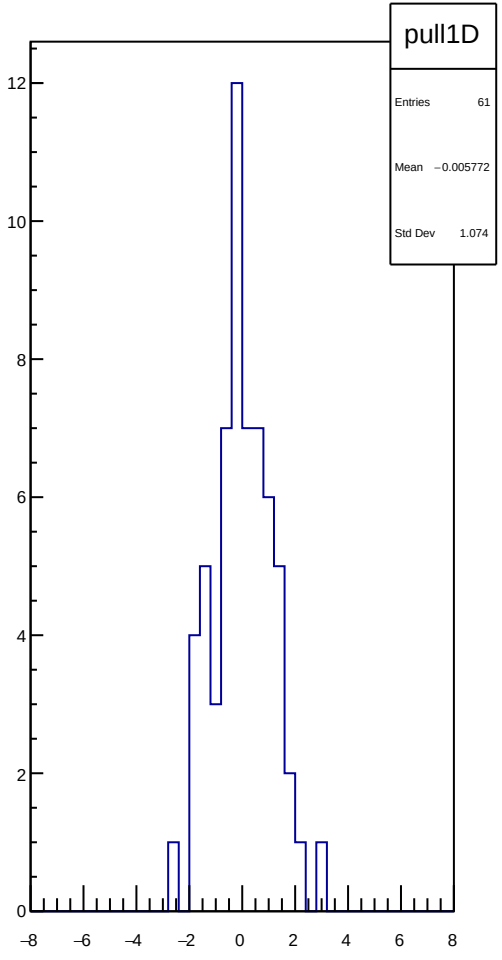

asym_atr2_reg_correction_rms vs run
χ² / ndf 9644 / 60
p0 9088 ± 8.355
13000
12000
11000
10000
9000
8000

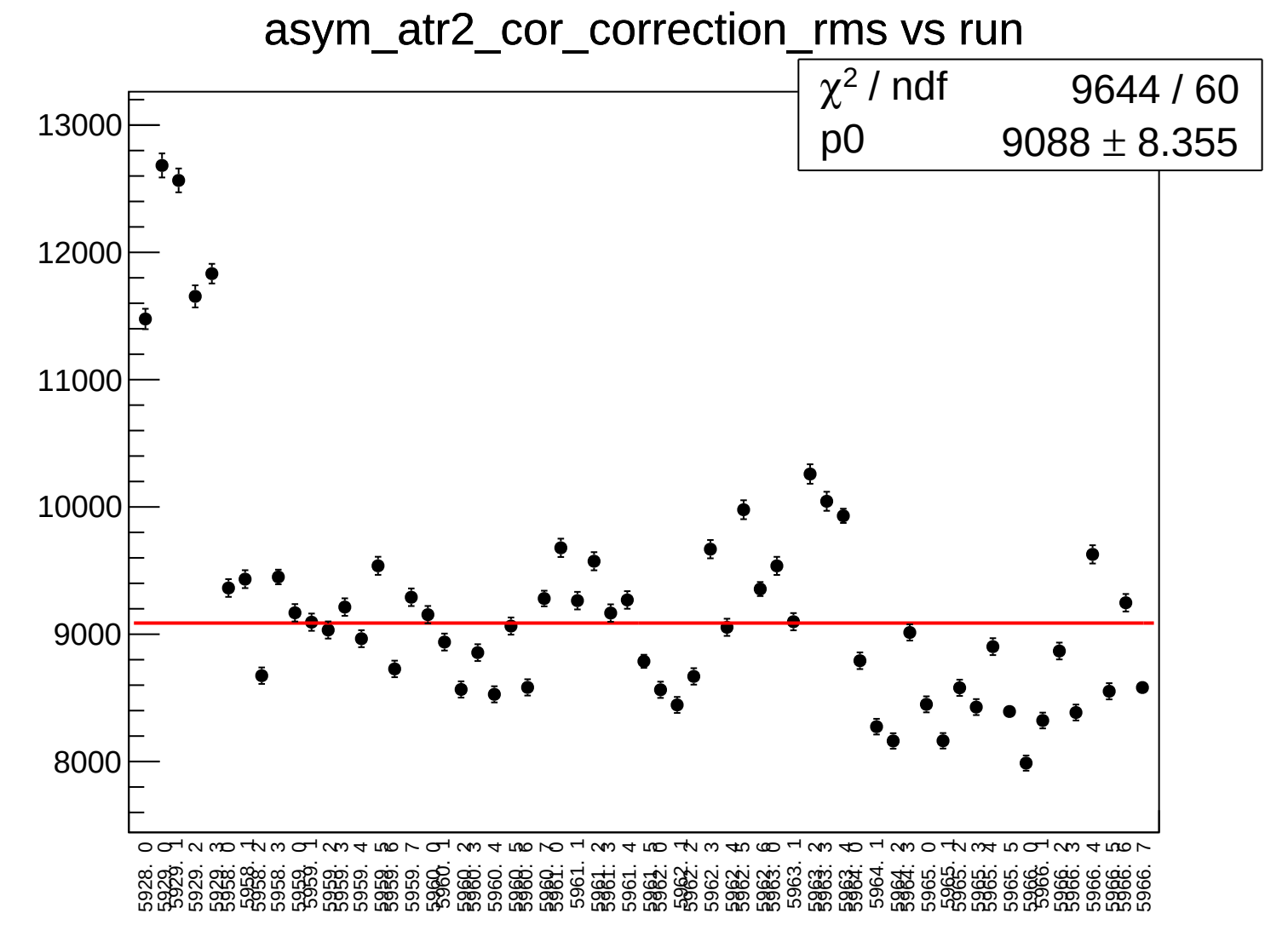

cor_asym_atr2_mean vs run
χ² / ndf 64.13 / 60
p0 −2508 ± 3310
×10³
pull
Entries 61
Mean −207.2
Std Dev 0

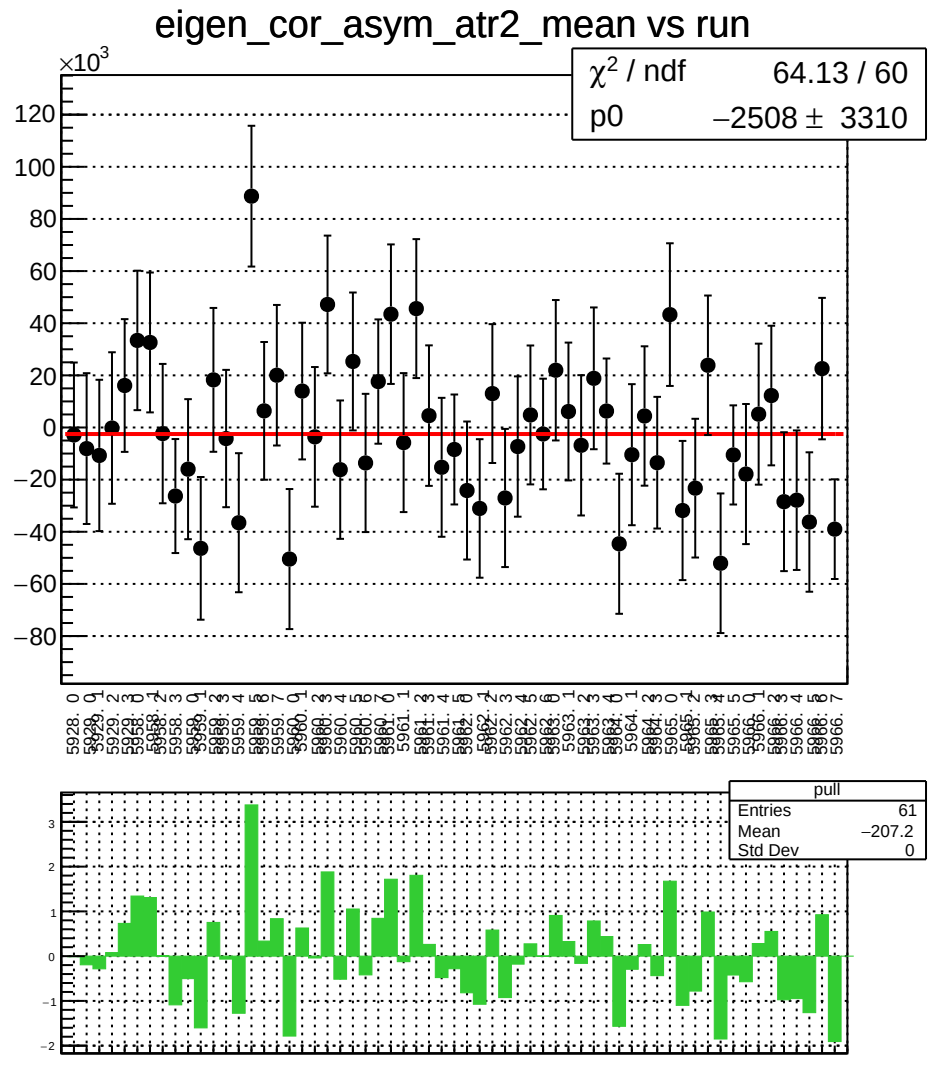

pull1D
Entries 61
Mean 0.01679
Std Dev 1.025

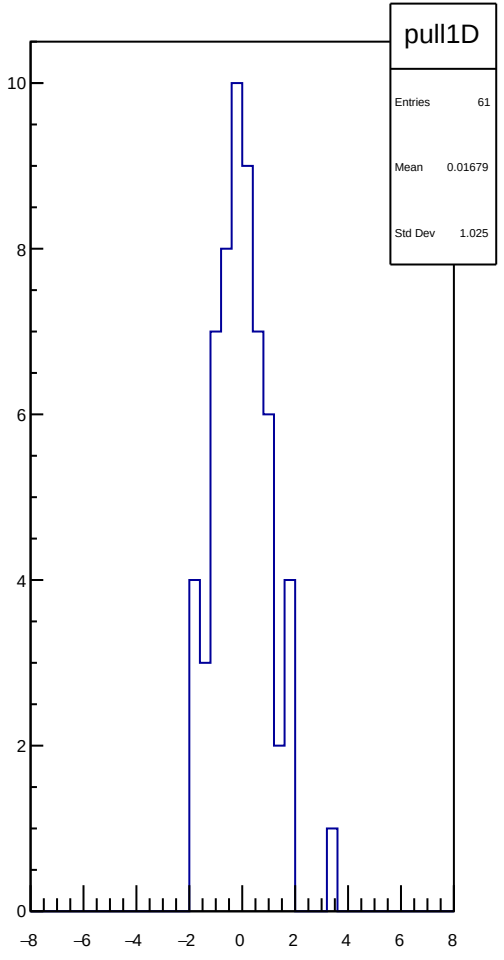

cor_asym_atr2_rms vs run
χ² / ndf 708.2 / 60
p0 2556 ± 2.341
2850
2800
2750
2700
2650
2600
2550
2500
2450

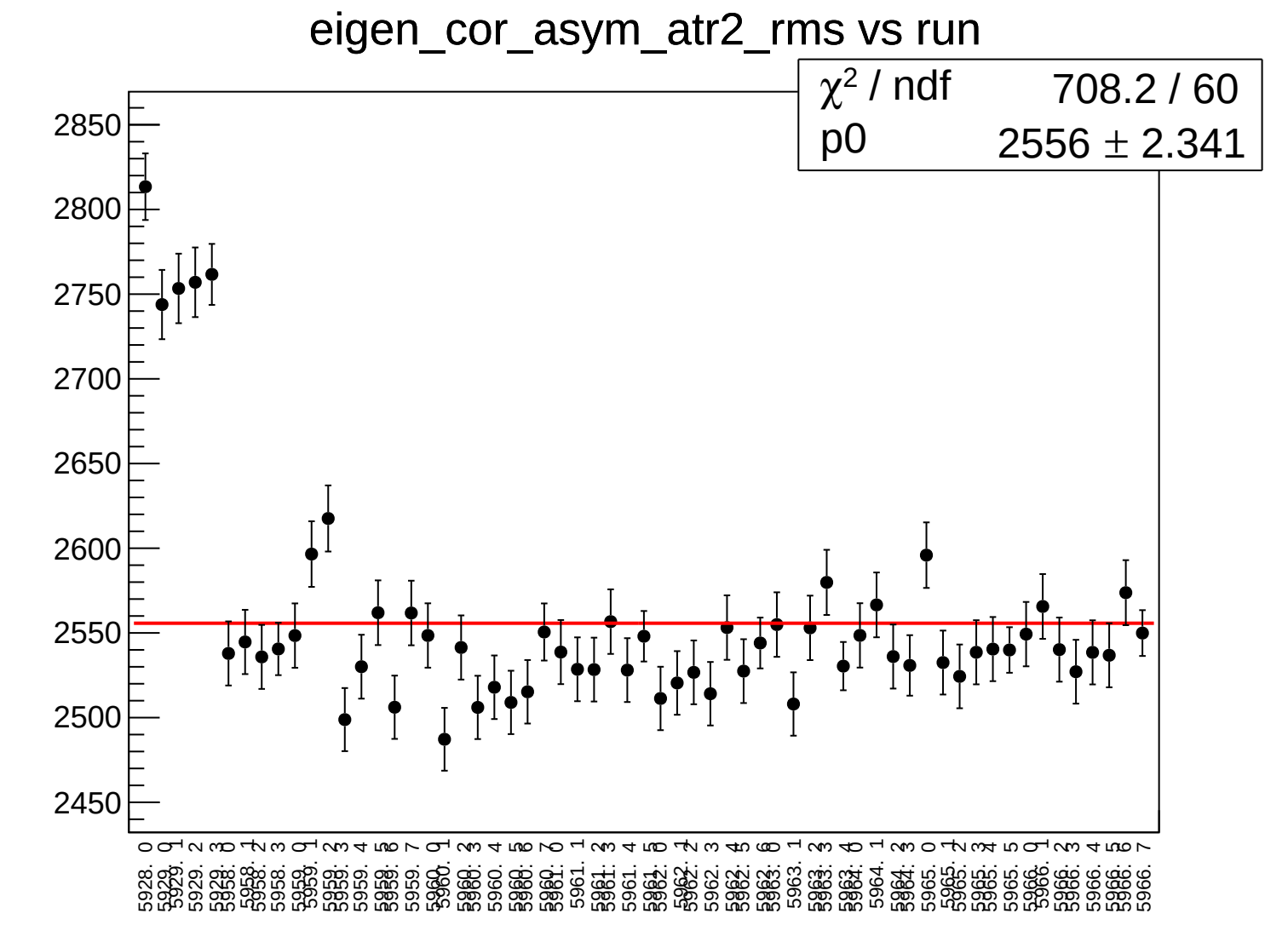

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 70.42 / 60
p0 496.3 ± 1.182e+04
pull
Entries 61
Mean 52.86
Std Dev 0

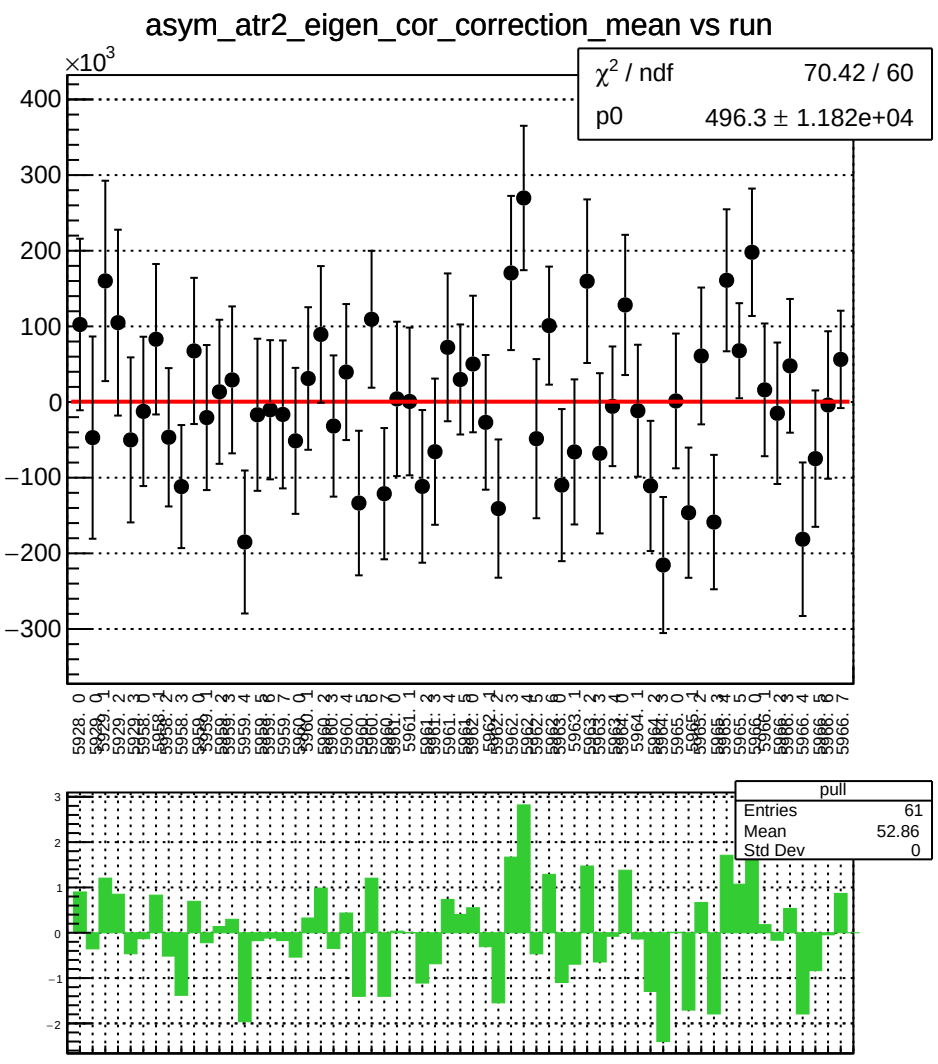

pull1D
Entries 61
Mean −0.005772
Std Dev 1.074

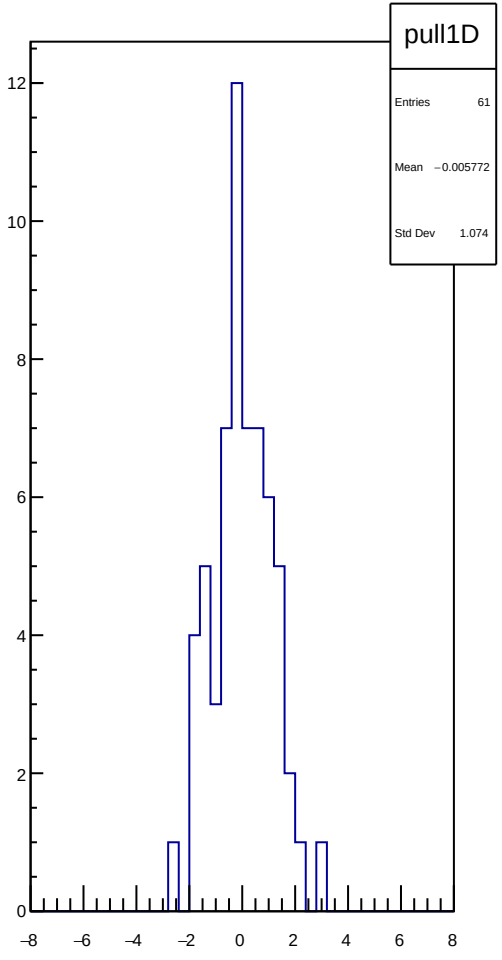

asym_atr2_cor_correction_rms vs run
χ² / ndf 9644 / 60
p0 9088 ± 8.355
13000
12000
11000
10000
9000
8000

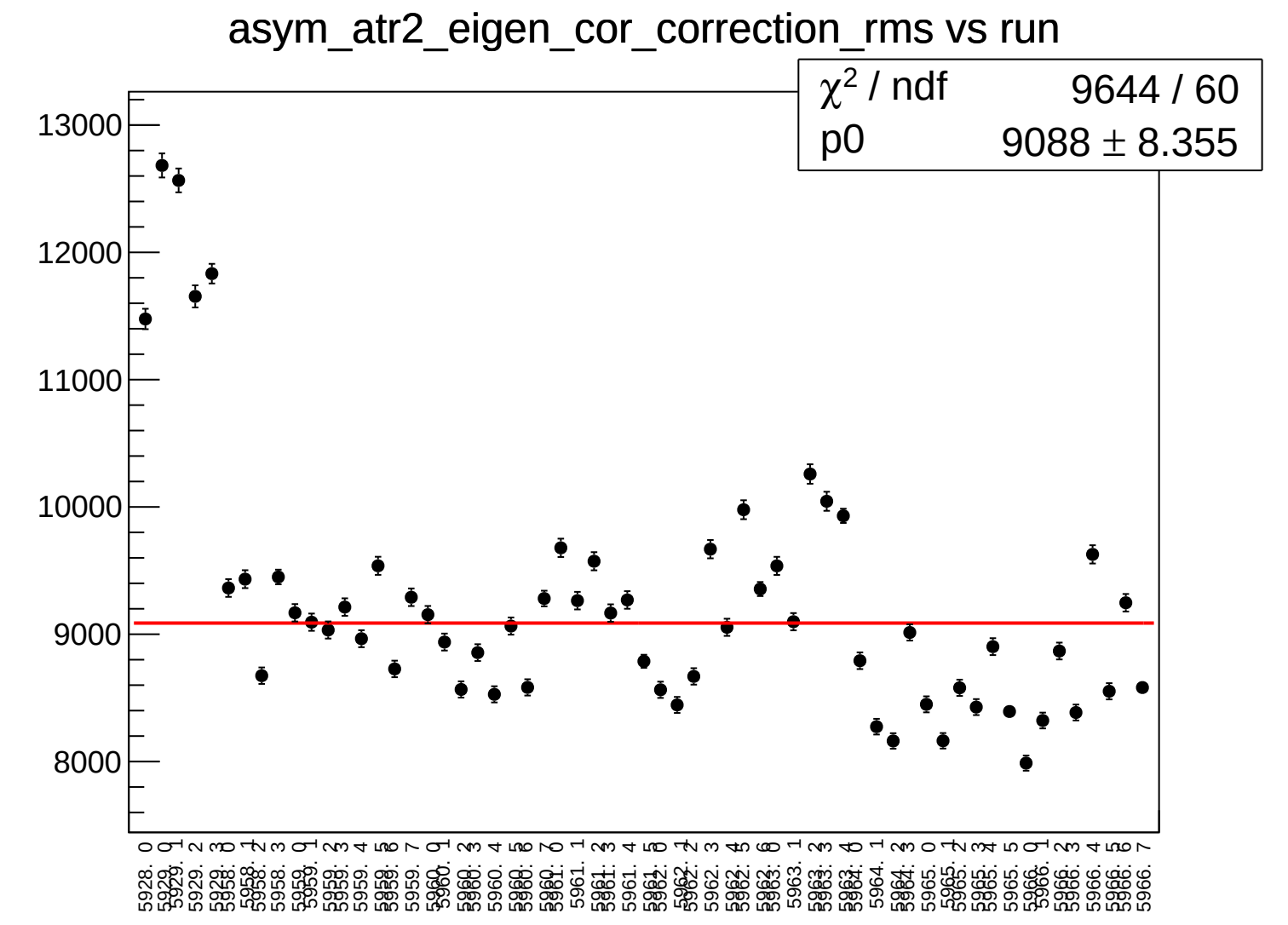

eigen_cor_asym_atr2_mean vs run
χ² / ndf 64.13 / 60
p0 −2508 ± 3310
pull
Entries 61
Mean −207.2
Std Dev 0

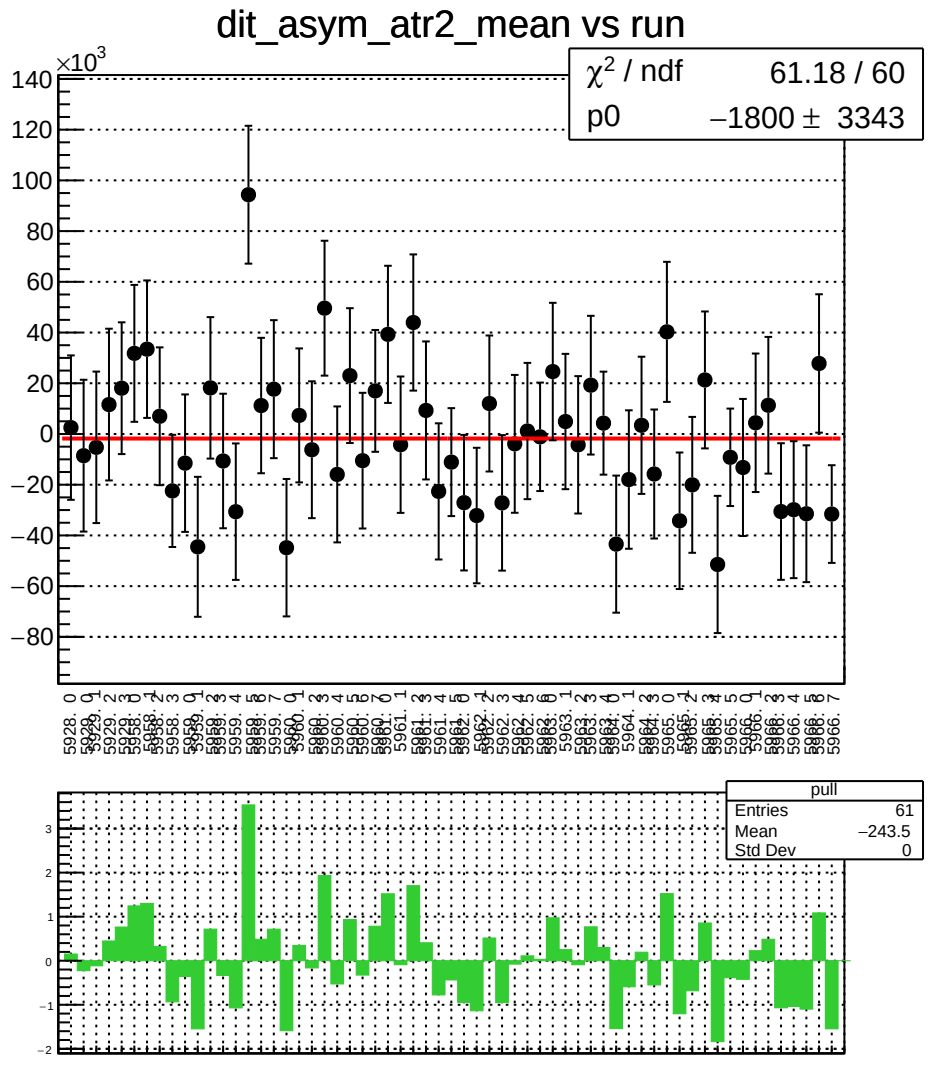

pull1D
Entries 61
Mean 0.01679
Std Dev 1.025

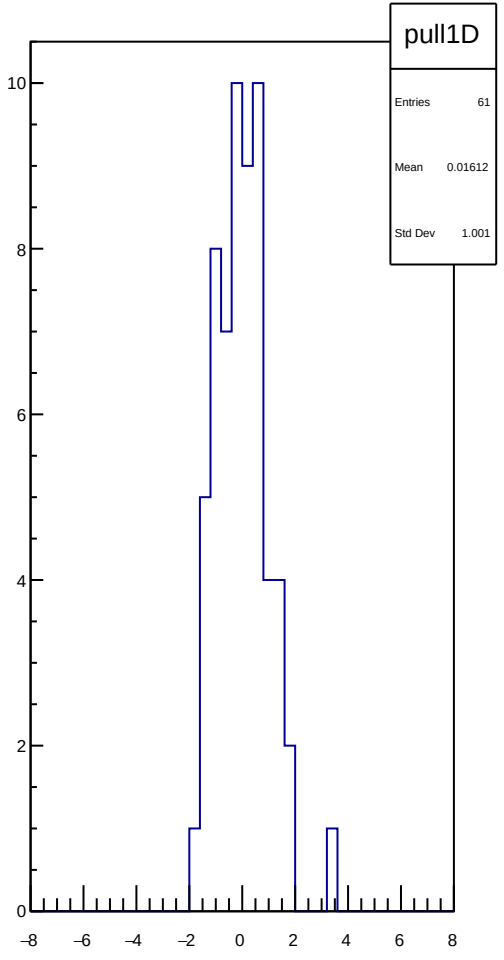

eigen_cor_asym_atr2_rms vs run
χ² / ndf 708.2 / 60
p0 2556 ± 2.341
2850
2800
2750
2700
2650
2600
2550
2500
2450

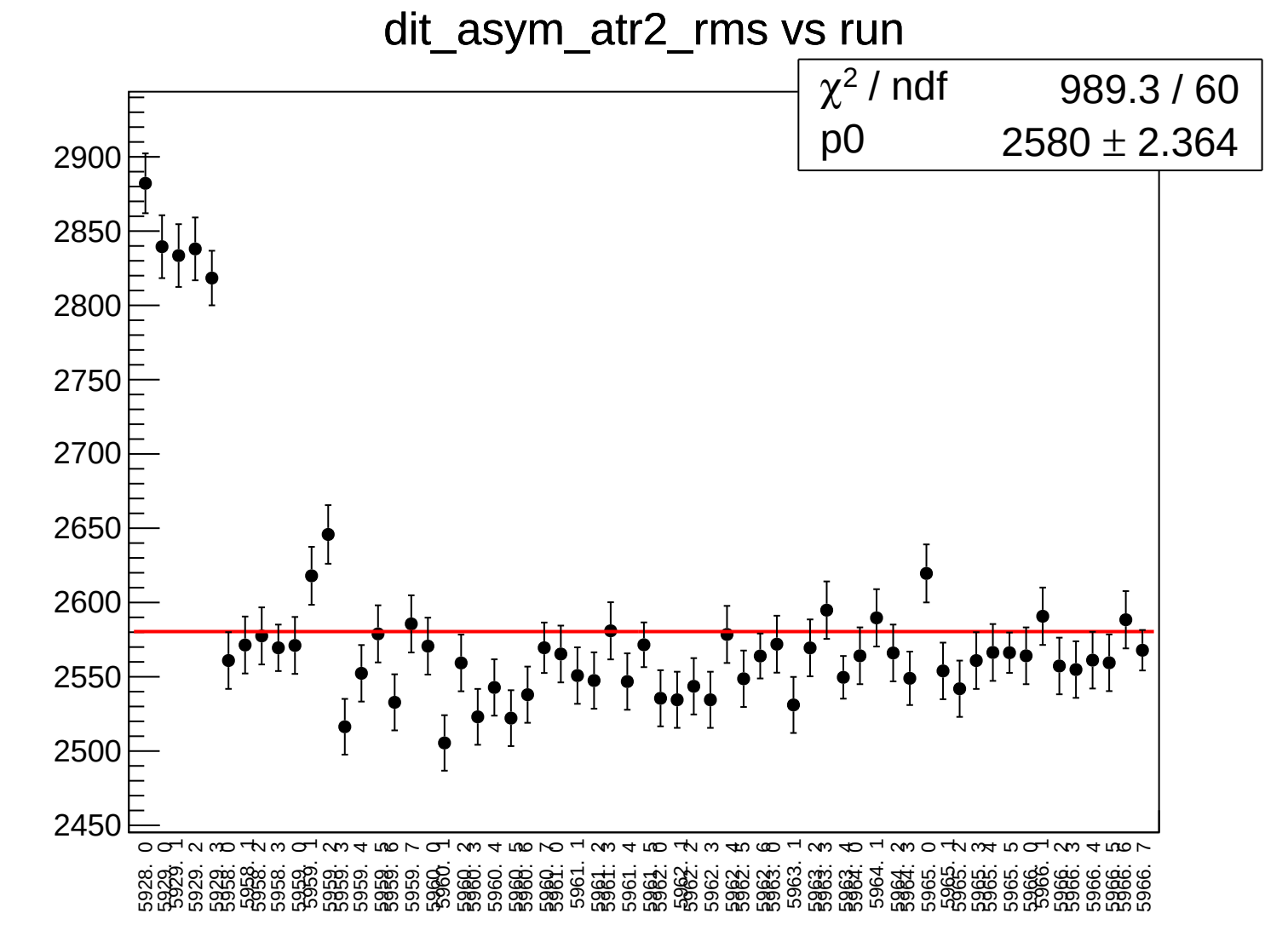

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 70.42 / 60
p0 496.3 ± 1.182e+04
pull
Entries 61
Mean 52.86
Std Dev 0

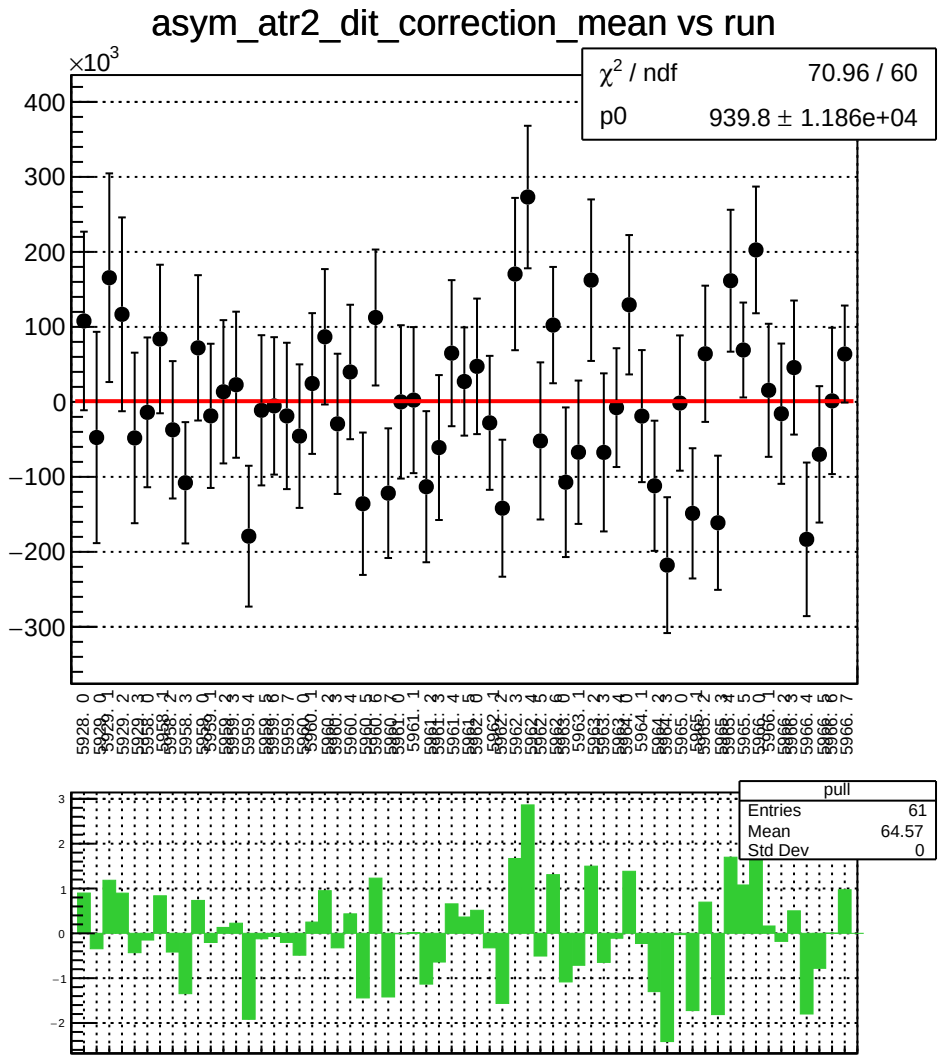

pull1D
Entries 61
Mean −0.005772
Std Dev 1.074

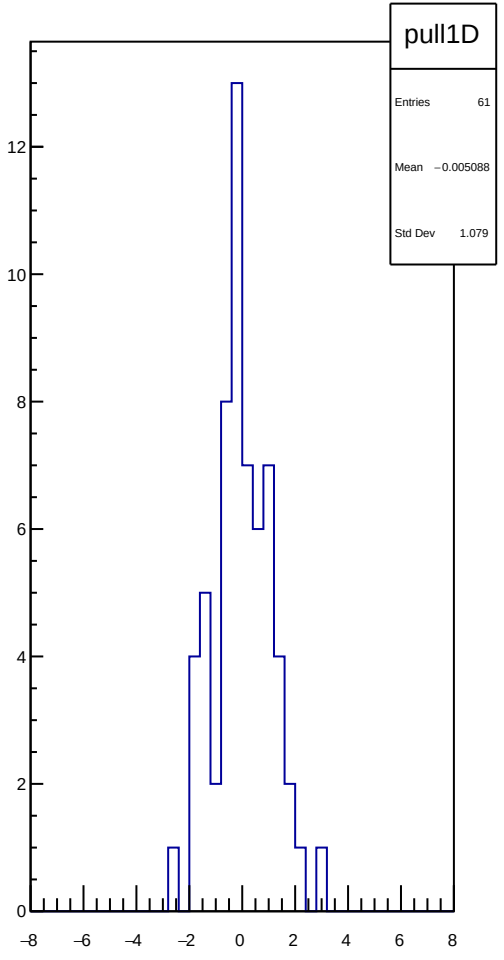

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 9644 / 60
p0 9088 ± 8.355
13000
12000
11000
10000
9000
8000

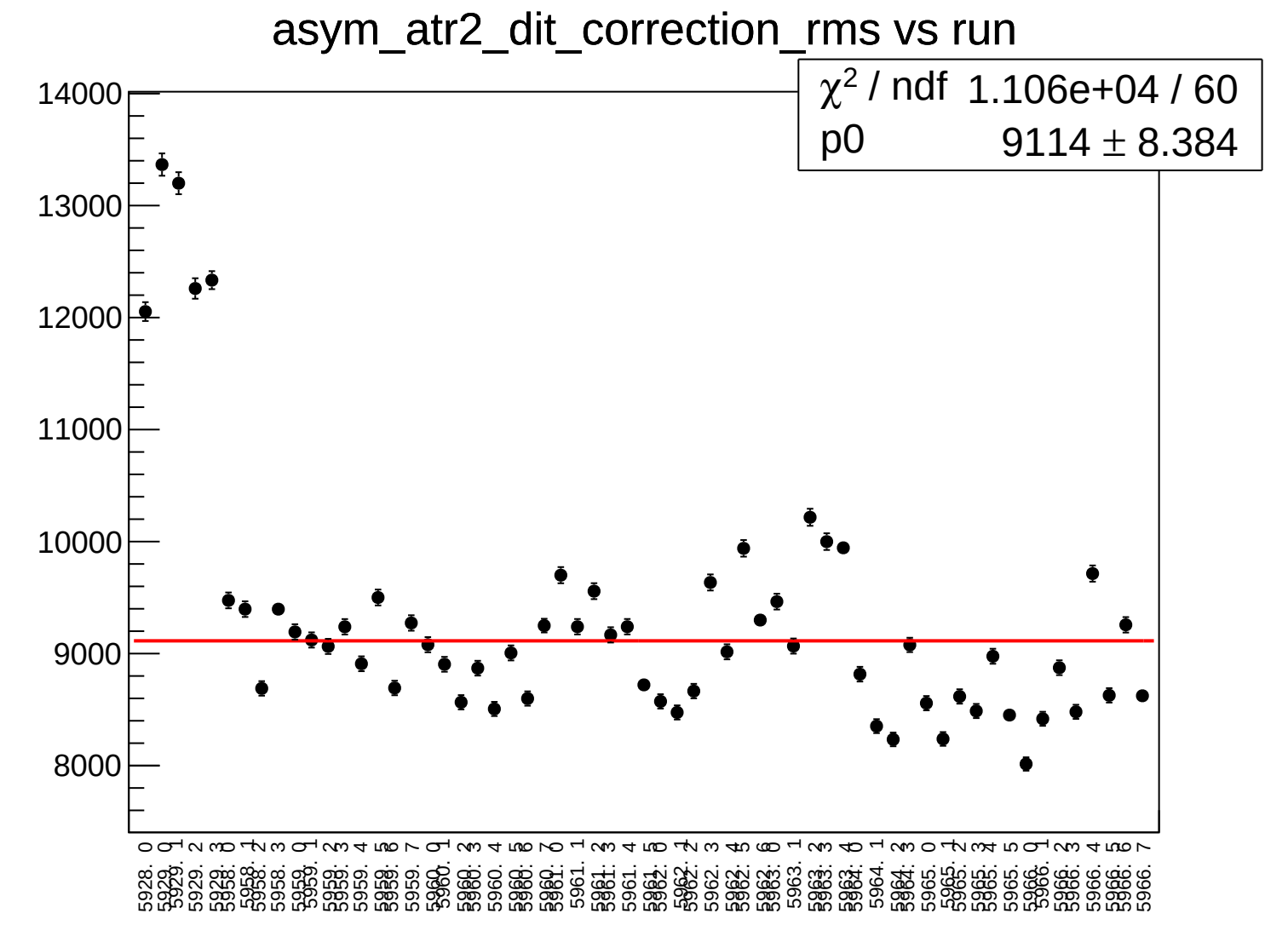

dit_asym_atr2_mean vs run
χ^2 / ndf 61.18 / 60
p0 −1800 ± 3343
×10^3
pull
Entries 61
Mean −243.5
Std Dev 0

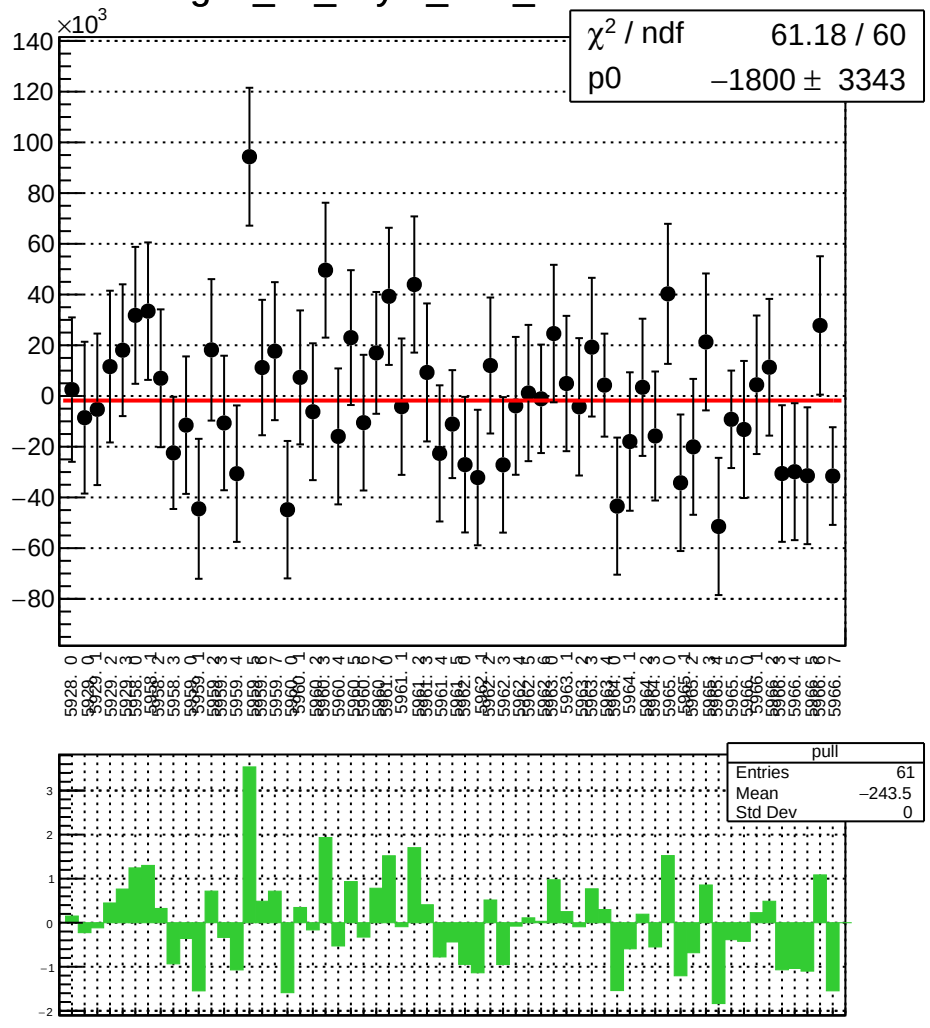

pull1D
Entries 61
Mean 0.01612
Std Dev 1.001

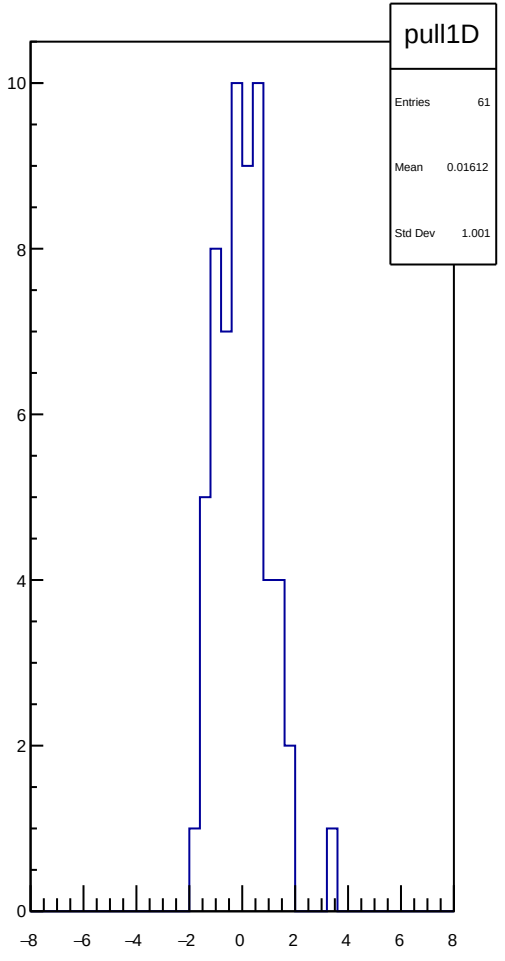

dit_asym_atr2_rms vs run
χ^2 / ndf 989.3 / 60
p0 2580 ± 2.364
2900
2850
2800
2750
2700
2650
2600
2550
2500
2450

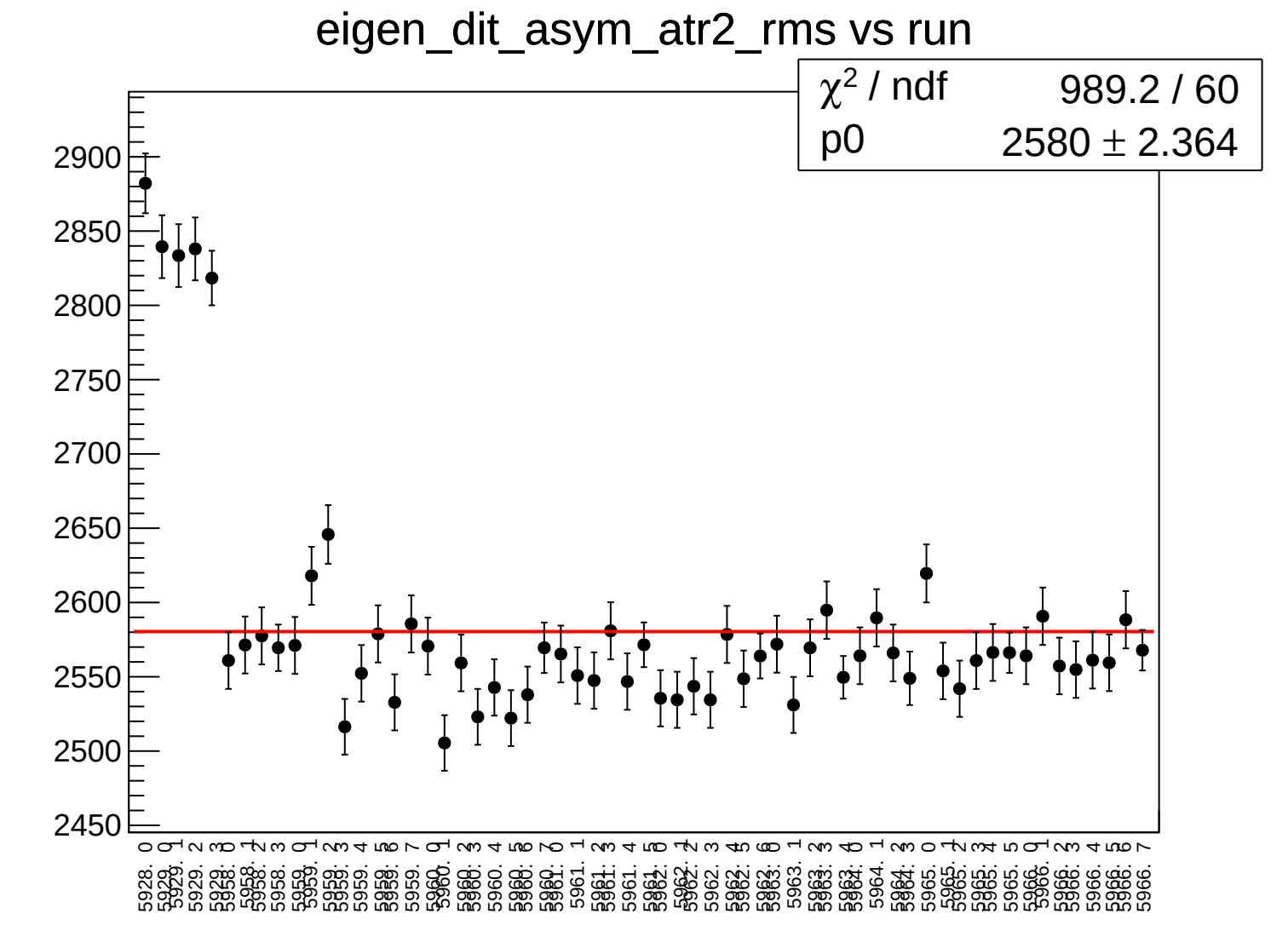

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 70.96 / 60
p0 939.8 ± 1.186e+04
pull
Entries 61
Mean 64.57
Std Dev 0

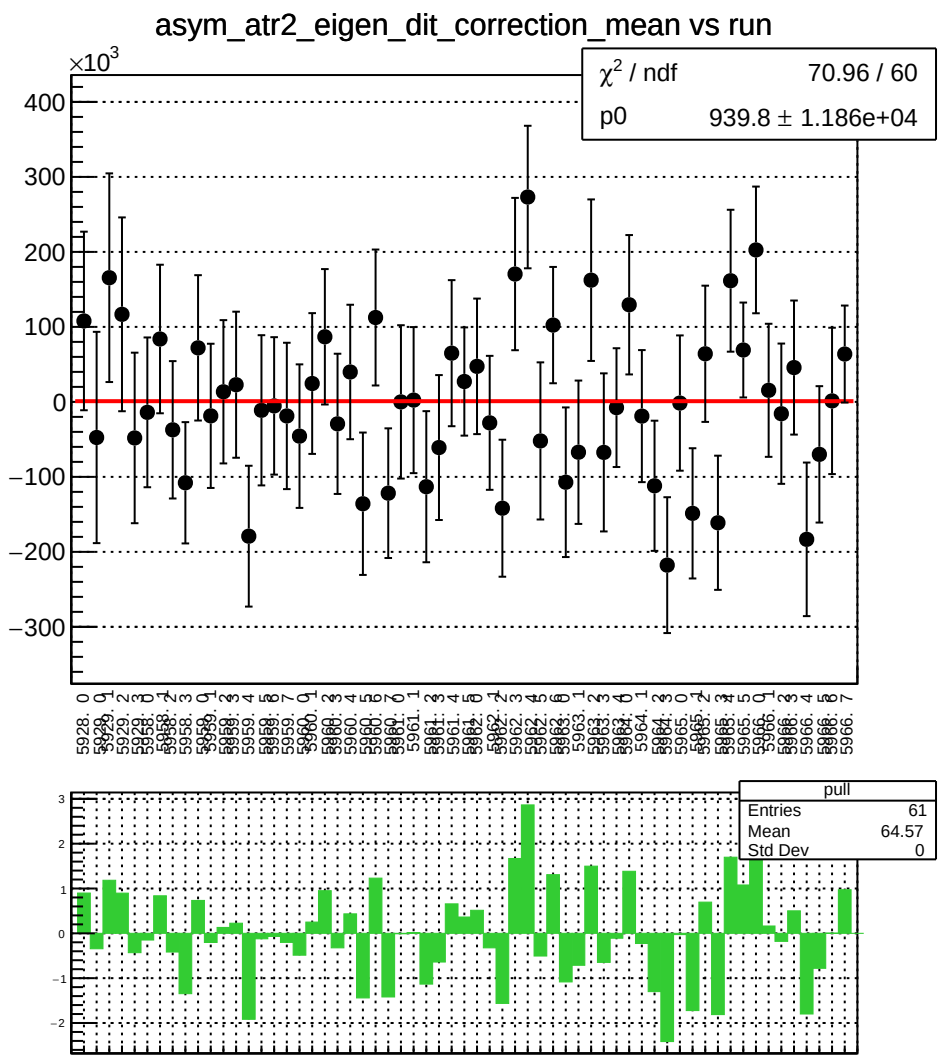

pull1D
Entries 61
Mean −0.005088
Std Dev 1.079

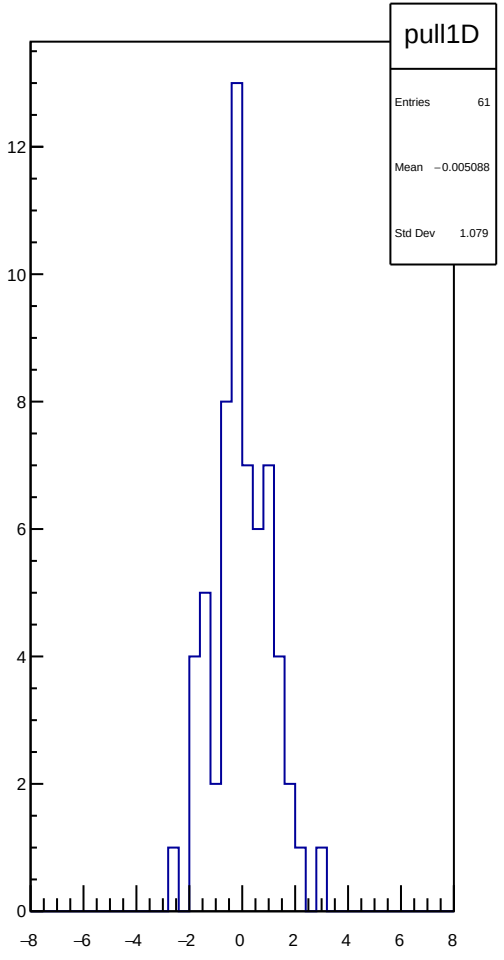

asym_atr2_dit_correction_rms vs run
χ² / ndf 1.106e+04 / 60
p0 9114 ± 8.384
14000
13000
12000
11000
10000
9000
8000

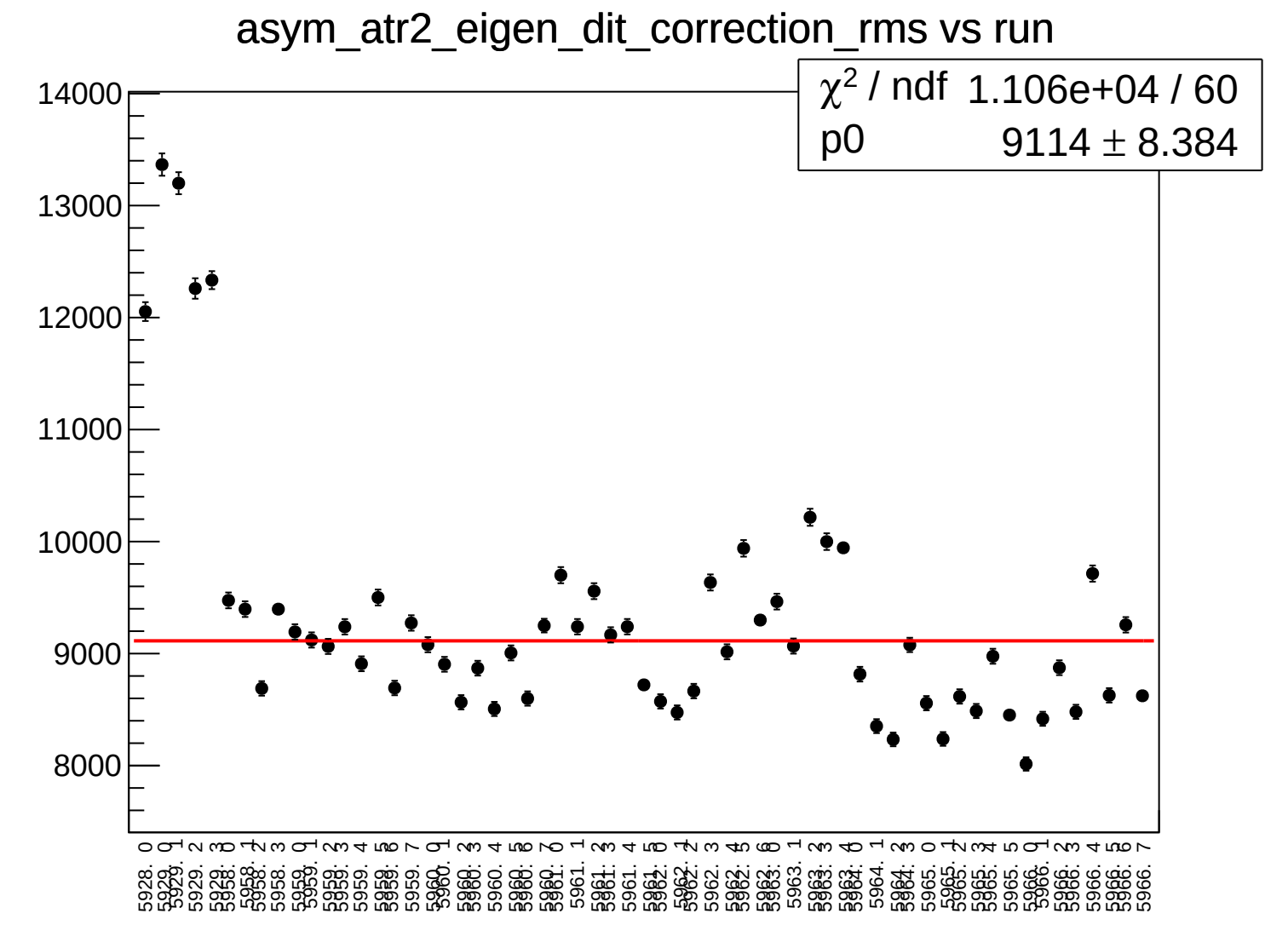

eigen_dit_asym_atr2_mean vs run
χ² / ndf 61.18 / 60
p0 −1800 ± 3343
pull
Entries 61
Mean −243.5
Std Dev 0

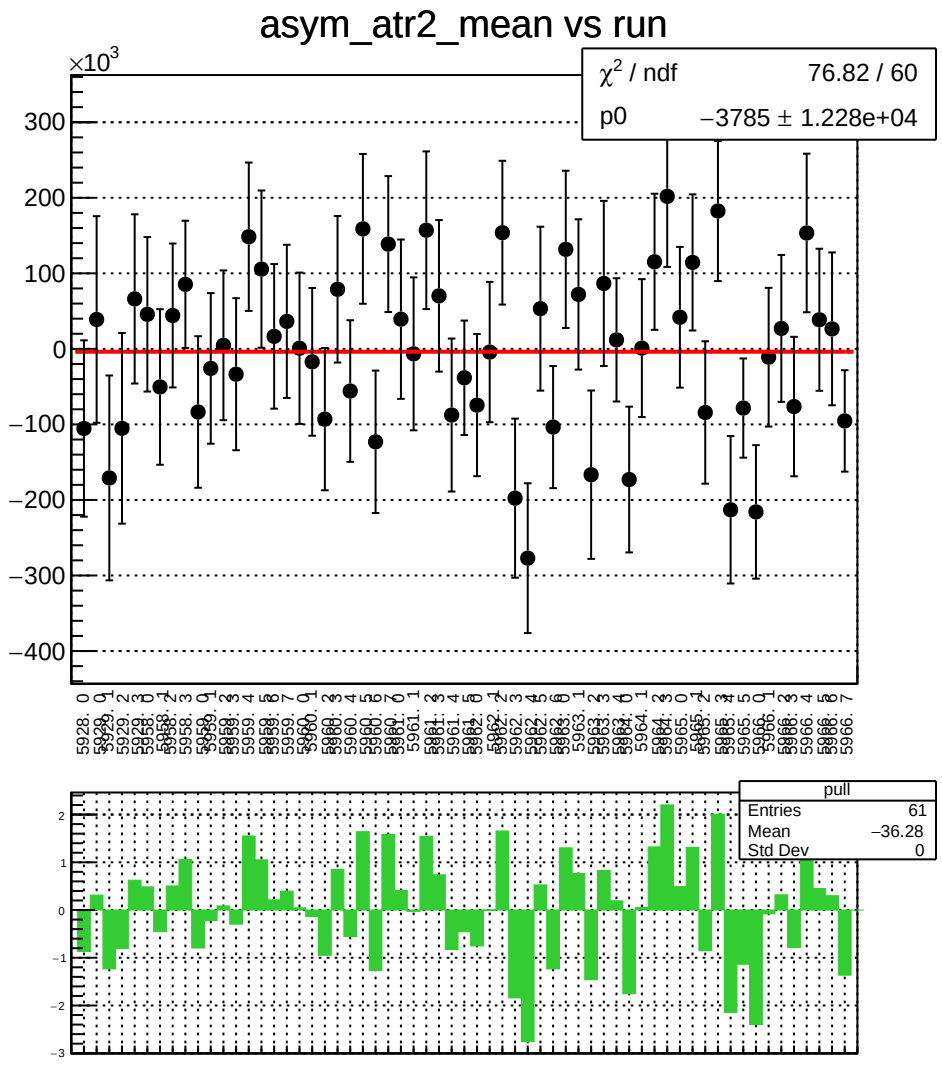

pull1D
Entries 61
Mean 0.01612
Std Dev 1.001

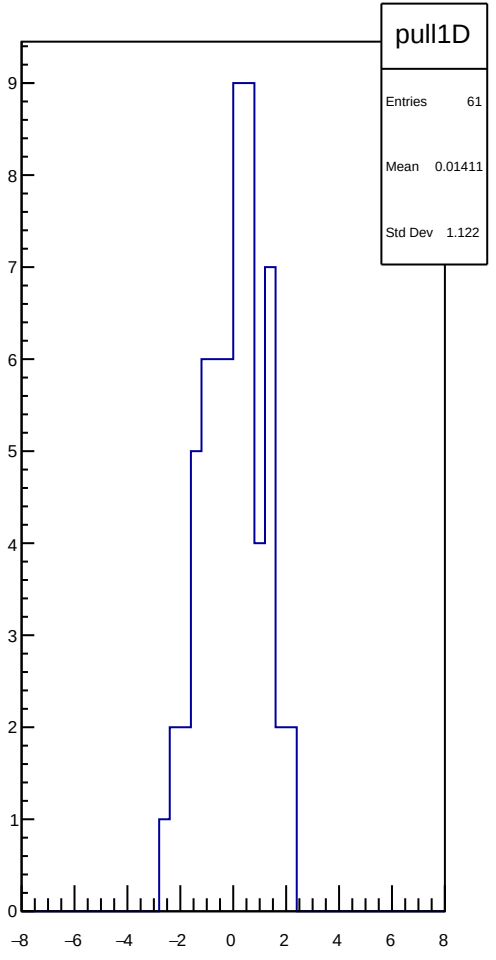

eigen_dit_asym_atr2_rms vs run
χ² / ndf 989.2 / 60
p0 2580 ± 2.364
2900
2850
2800
2750
2700
2650
2600
2550
2500
2450

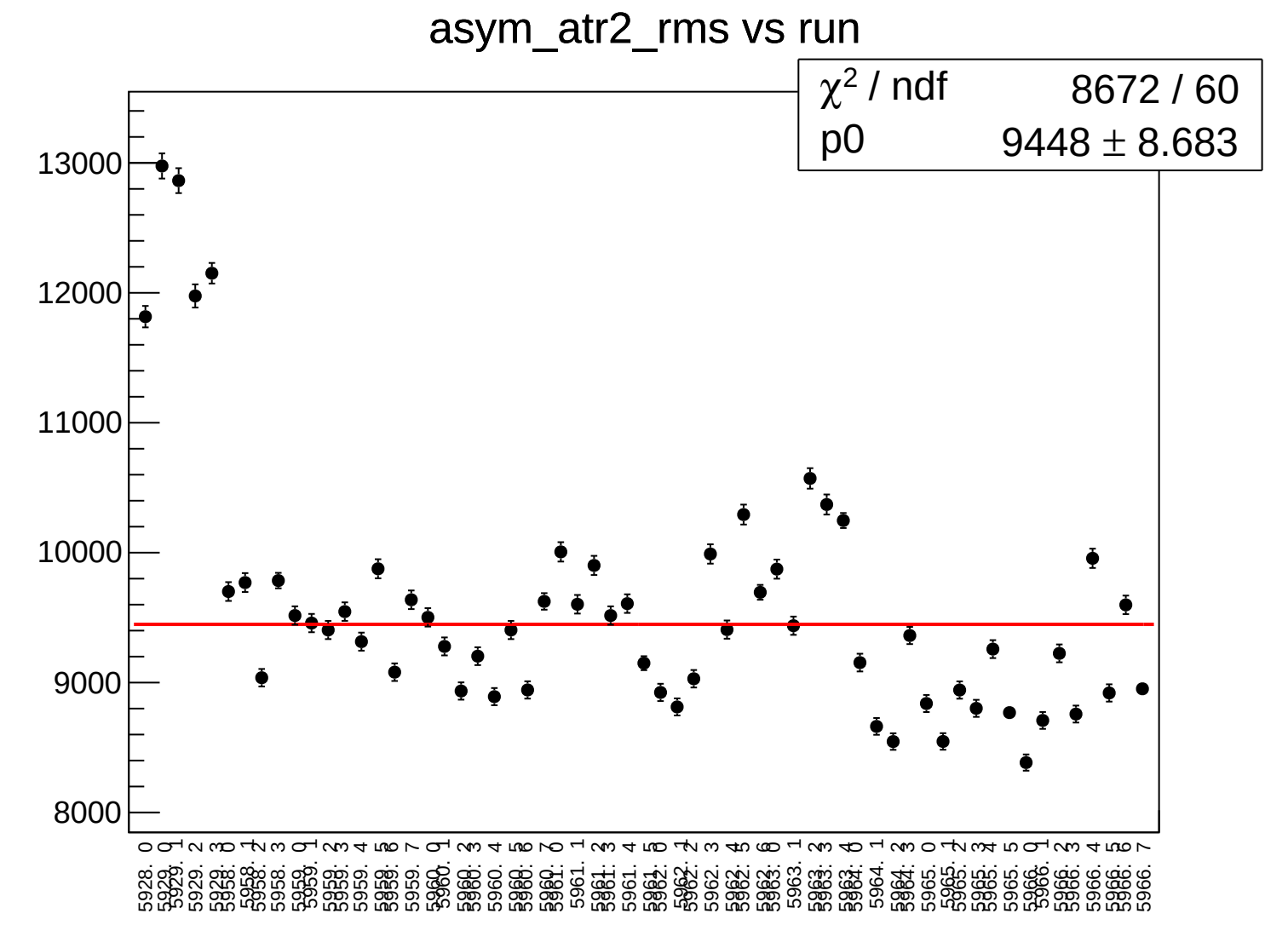

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 70.96 / 60
p0 939.8 ± 1.186e+04
pull
Entries 61
Mean 64.57
Std Dev 0

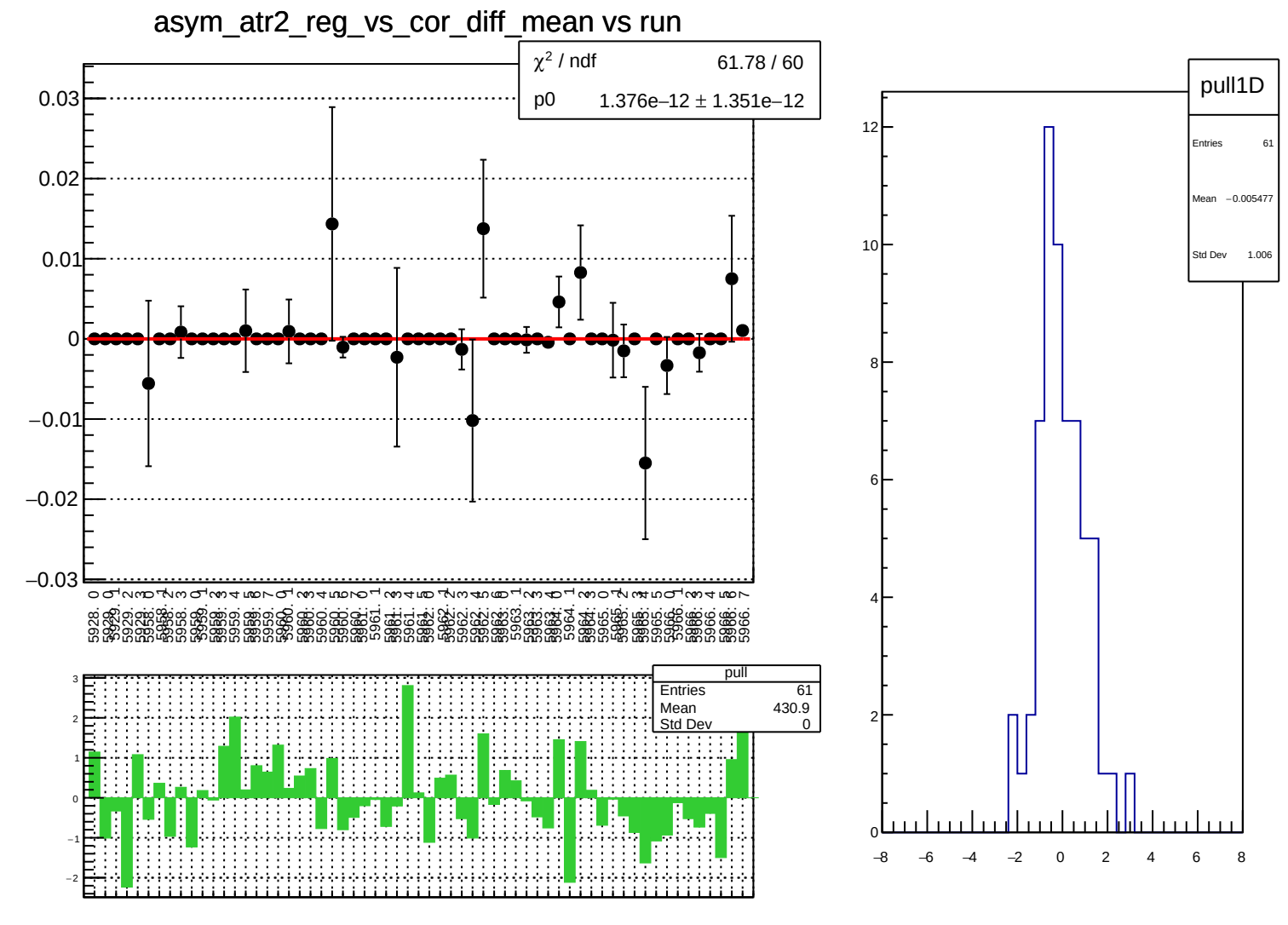

pull1D
Entries 61
Mean −0.005088
Std Dev 1.079

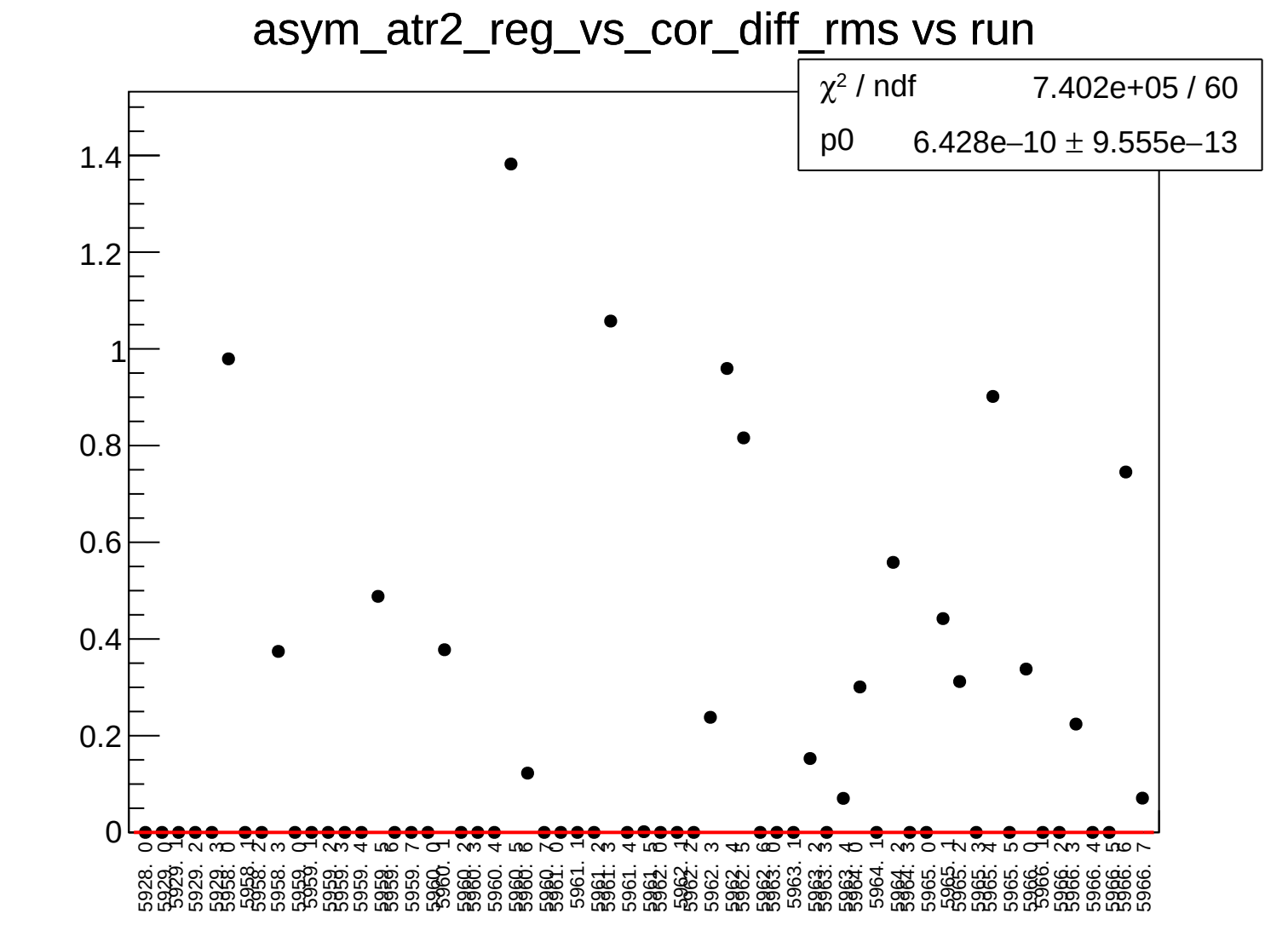

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 1.106e+04 / 60
p0 9114 ± 8.384
14000
13000
12000
11000
10000
9000
8000

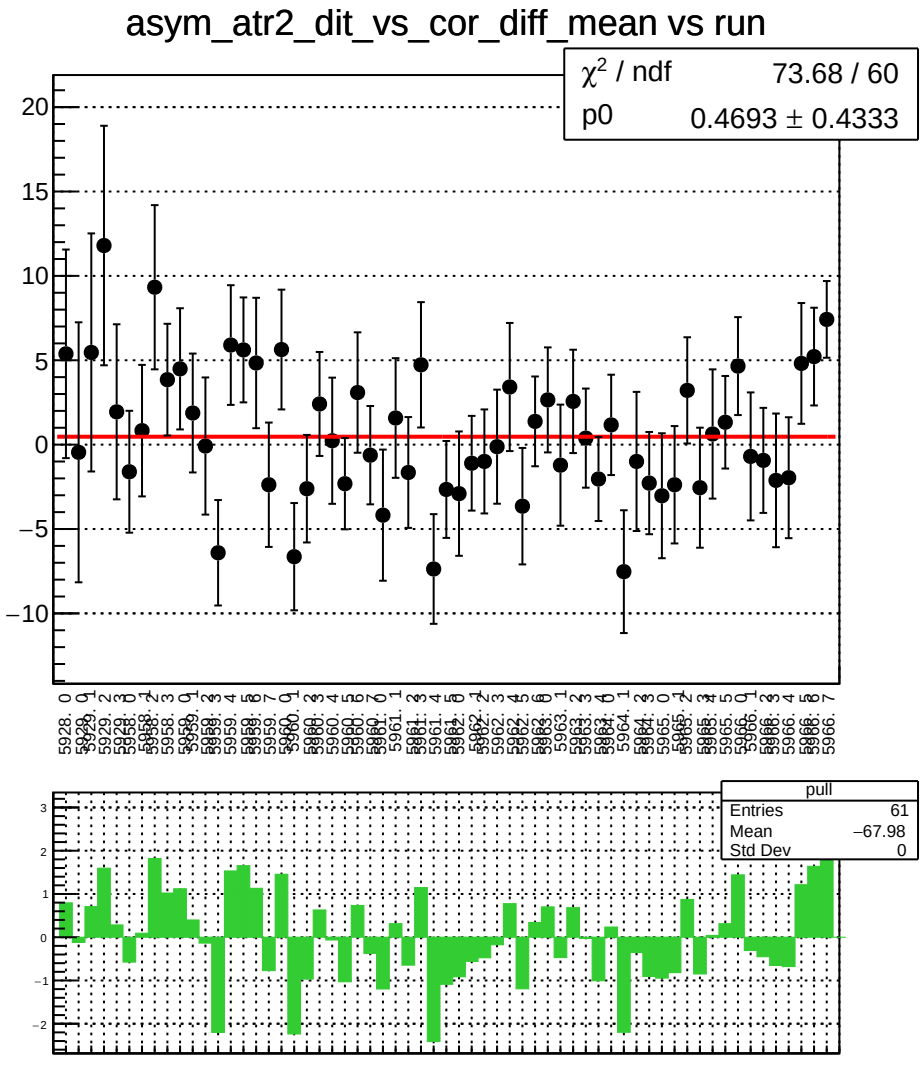

asym_atr2_mean vs run
×10^3
χ² / ndf 76.82 / 60
p0 −3785 ± 1.228e+04
pull
Entries 61
Mean −36.28
Std Dev 0

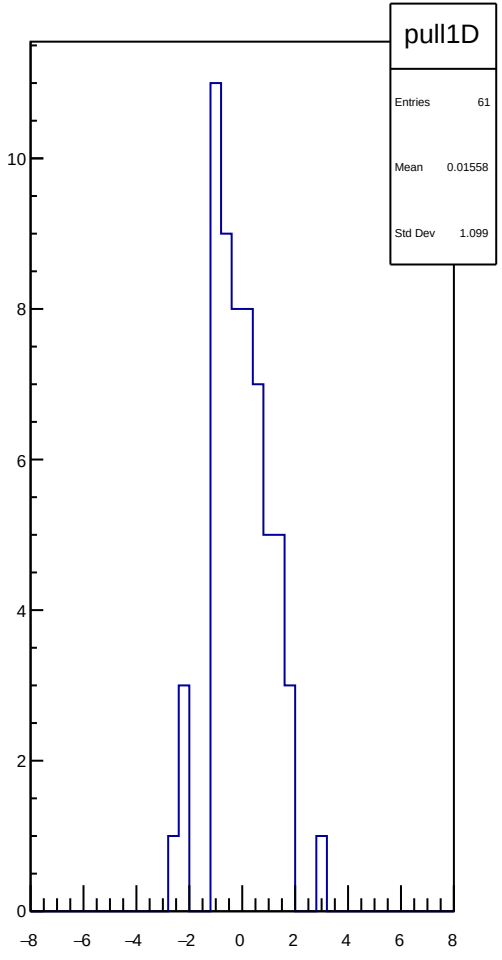

pull1D
Entries 61
Mean 0.01411
Std Dev 1.122

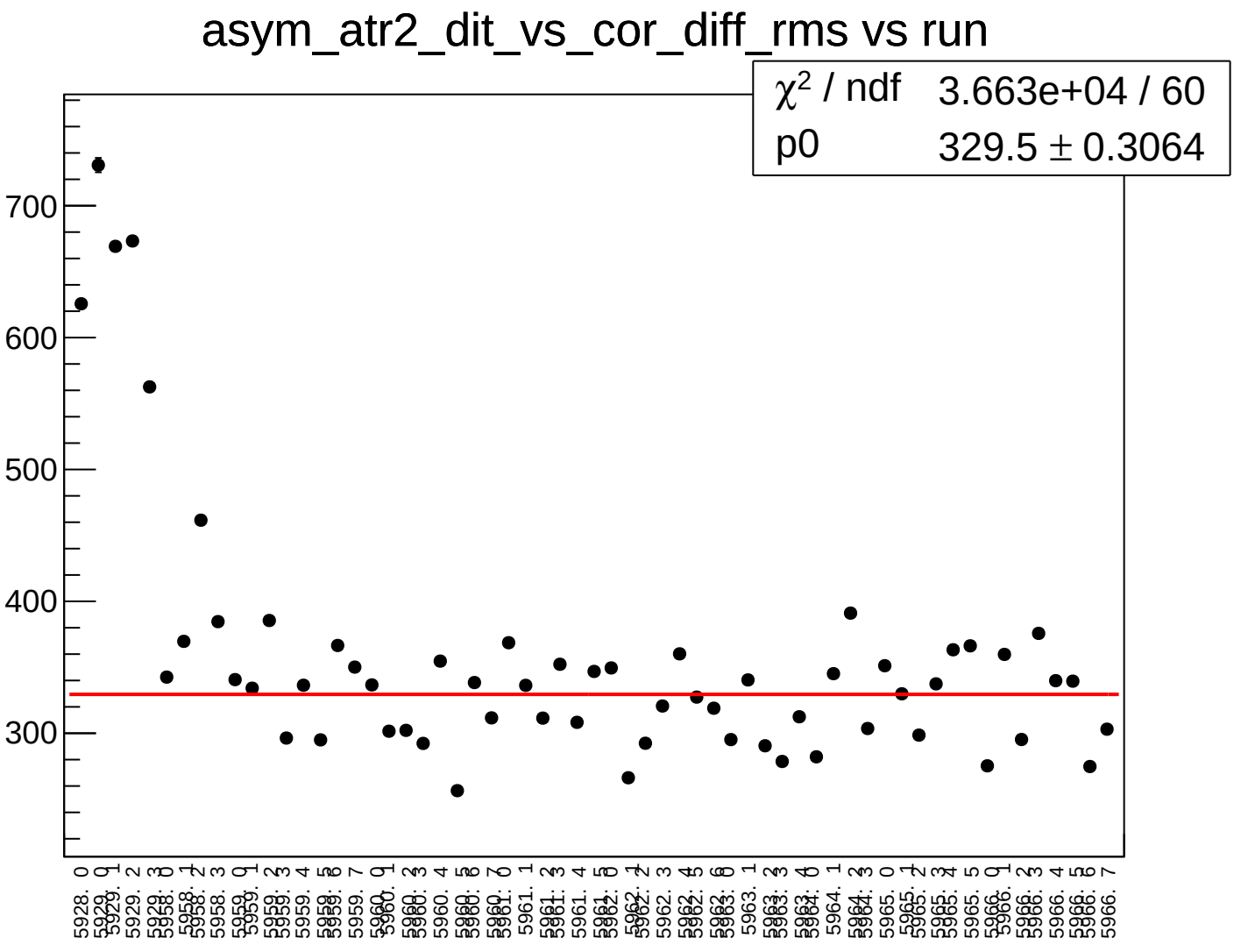

asym_atr2_rms vs run
χ^2 / ndf 8672 / 60
p0 9448 ± 8.683
13000
12000
11000
10000
9000
8000

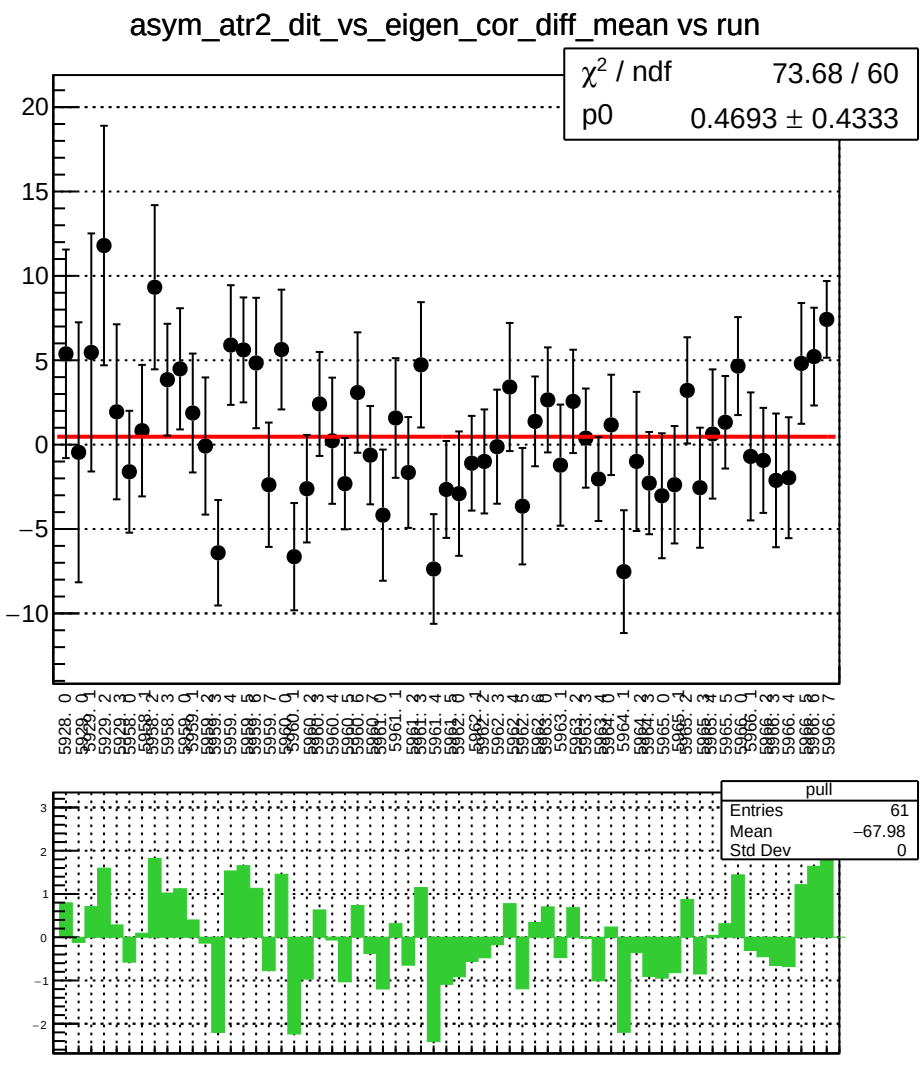

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 61.78 / 60
p0 1.376e−12 ± 1.351e−12
pull
Entries 61
Mean 430.9
Std Dev 0
pull1D
Entries 61
Mean −0.005477
Std Dev 1.006

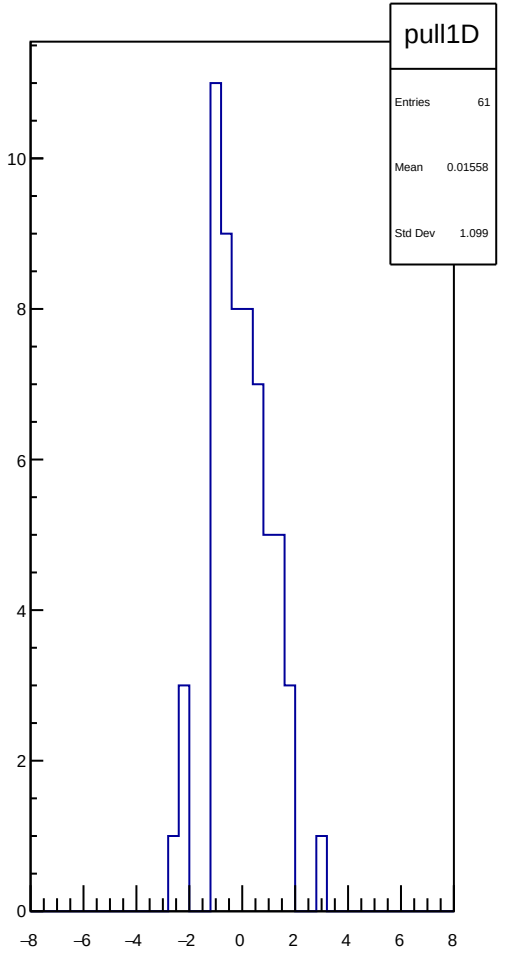

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.402e+05 / 60
p0 6.428e−10 ± 9.555e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

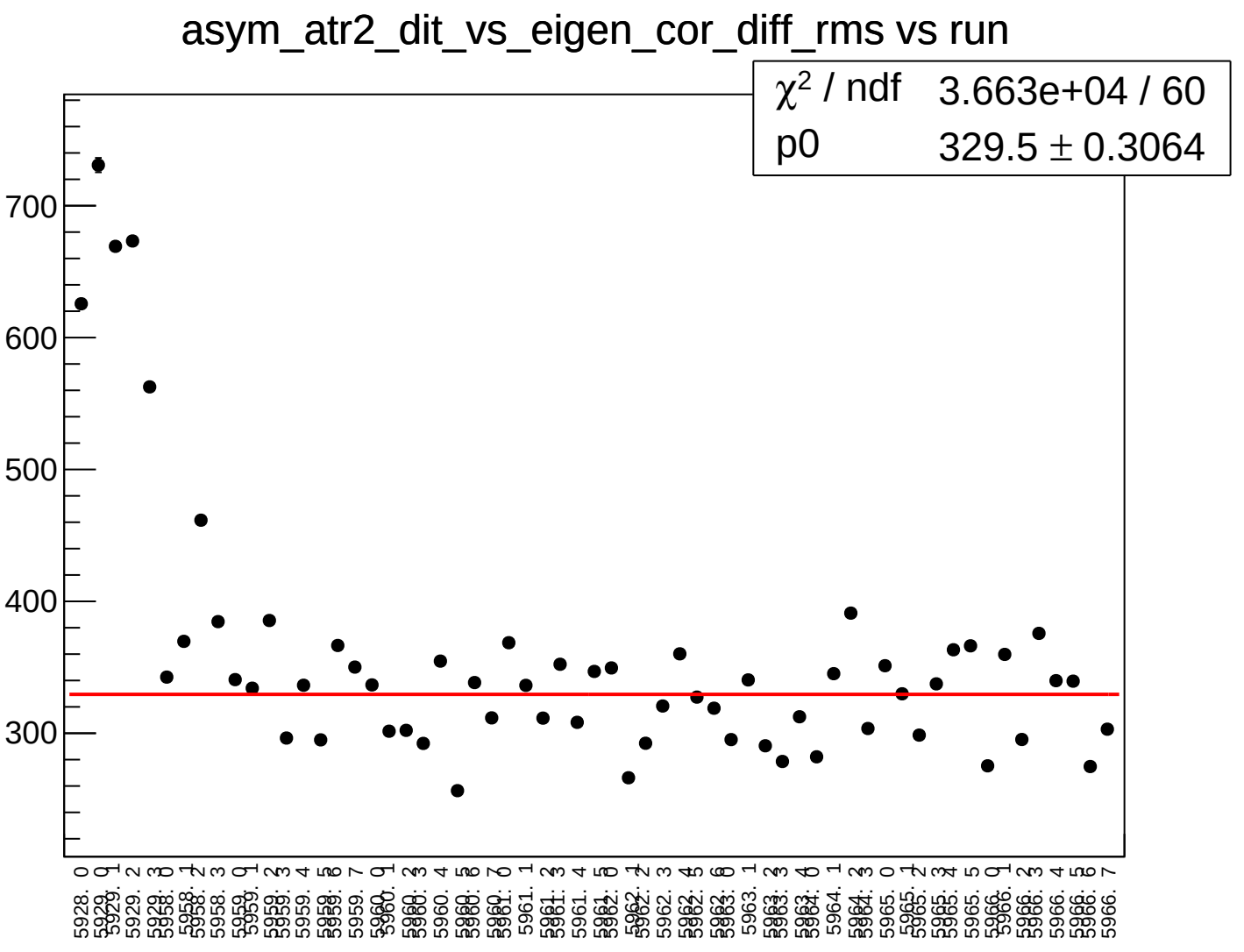

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 73.68 / 60
p0 0.4693 ± 0.4333
pull
Entries 61
Mean −67.98
Std Dev 0

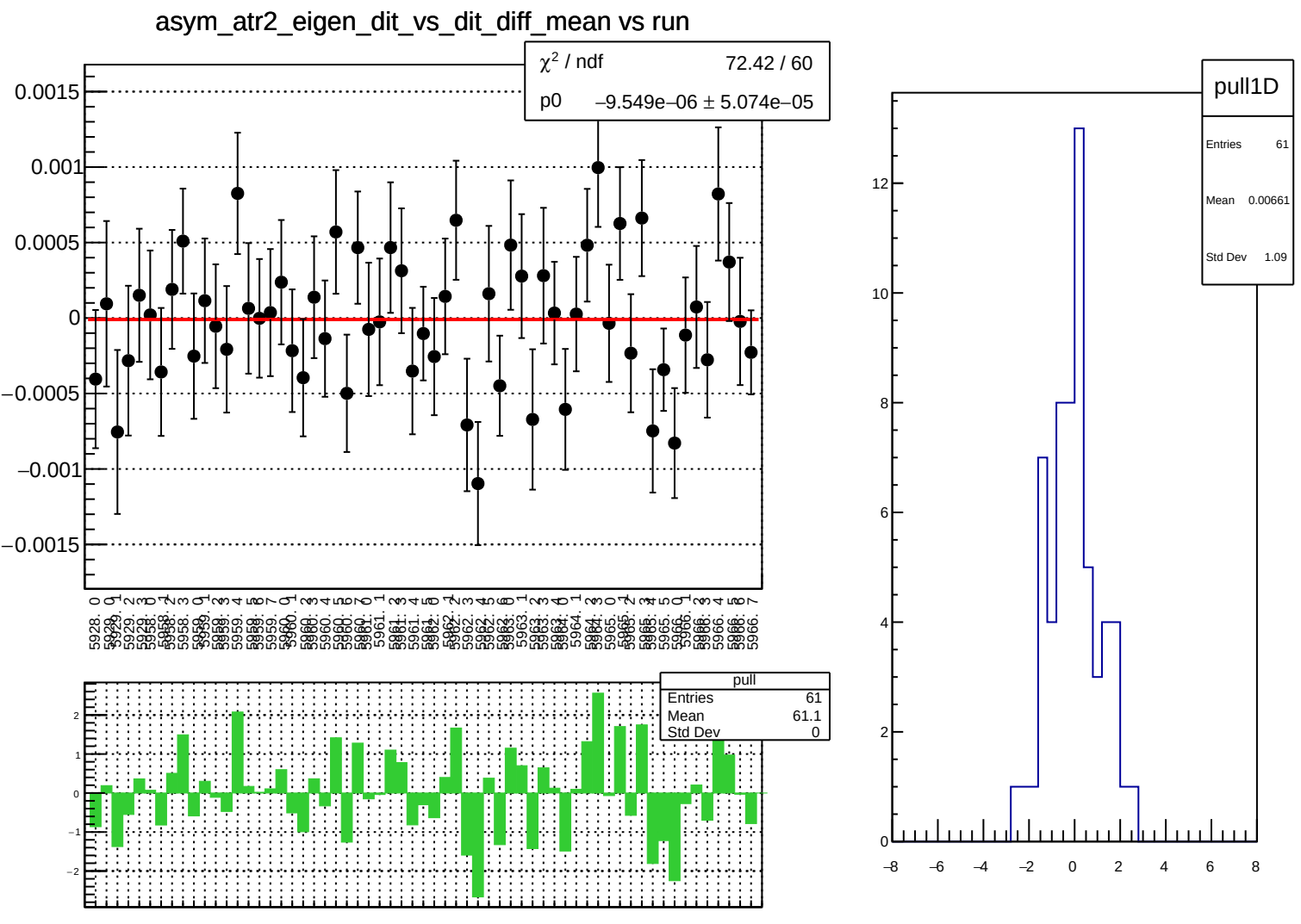

pull1D
Entries 61
Mean 0.01558
Std Dev 1.099

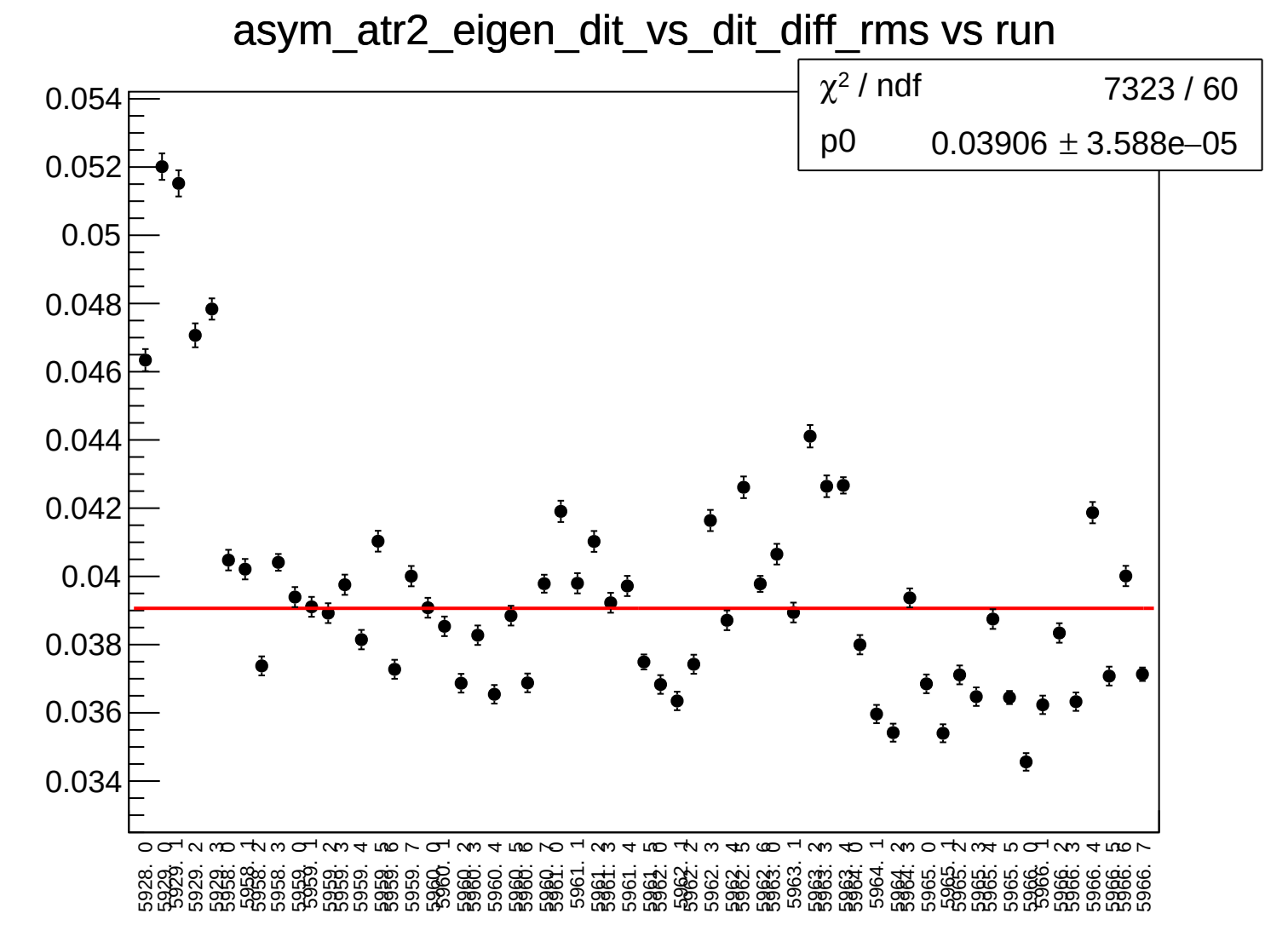

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 60
p0 329.5 ± 0.3064
700
600
500
400
300

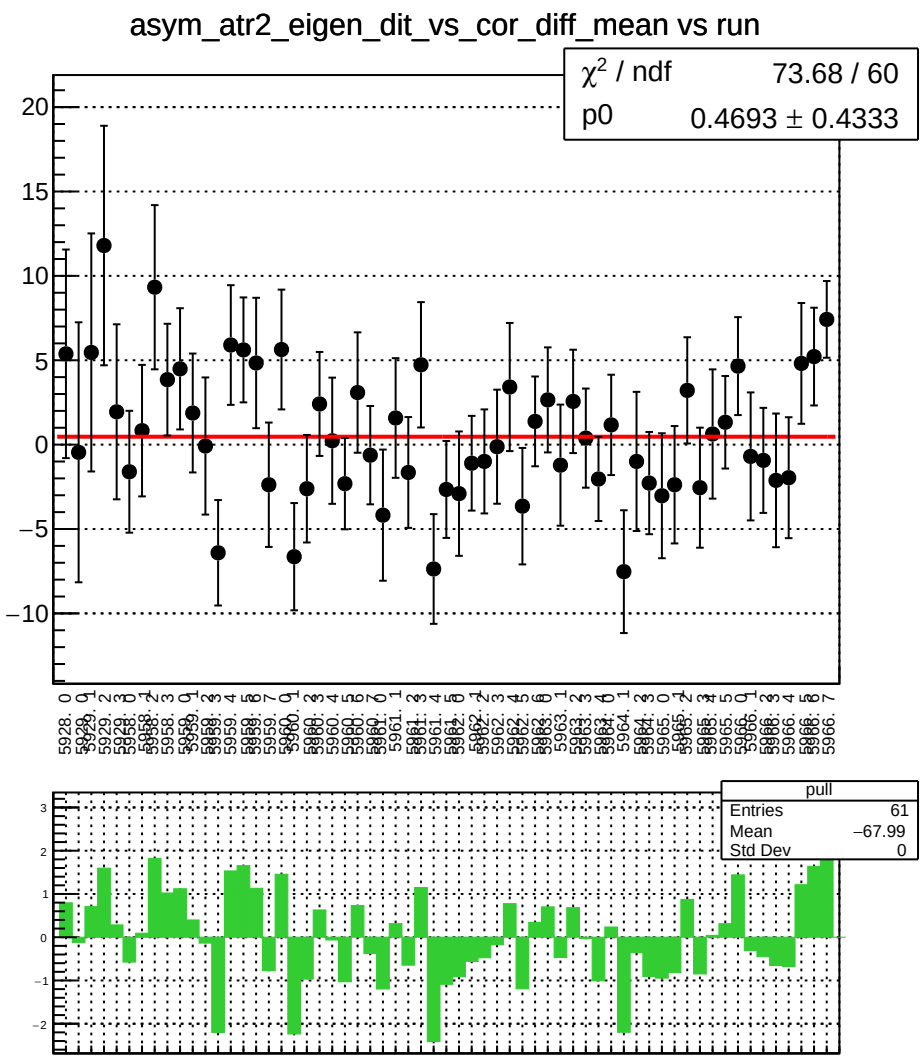

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.68 / 60
p0 0.4693 ± 0.4333
pull
Entries 61
Mean −67.98
Std Dev 0

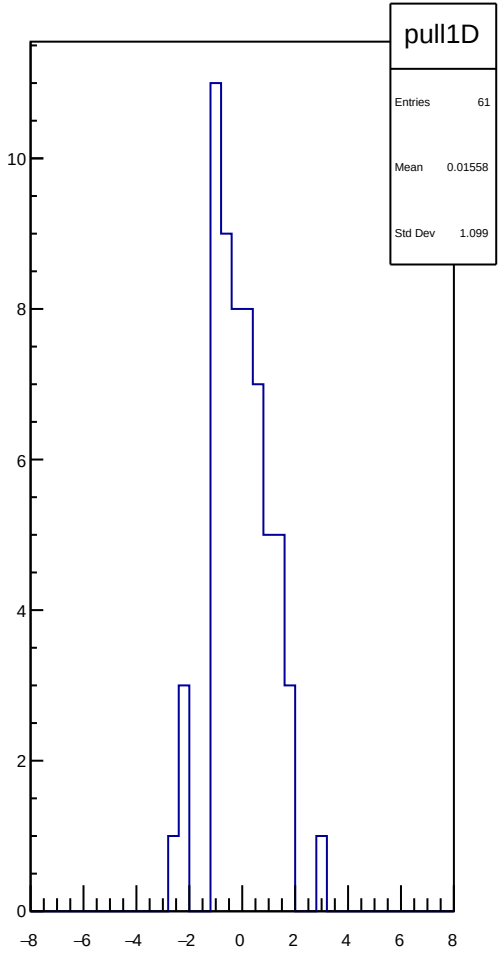

pull1D
Entries 61
Mean 0.01558
Std Dev 1.099

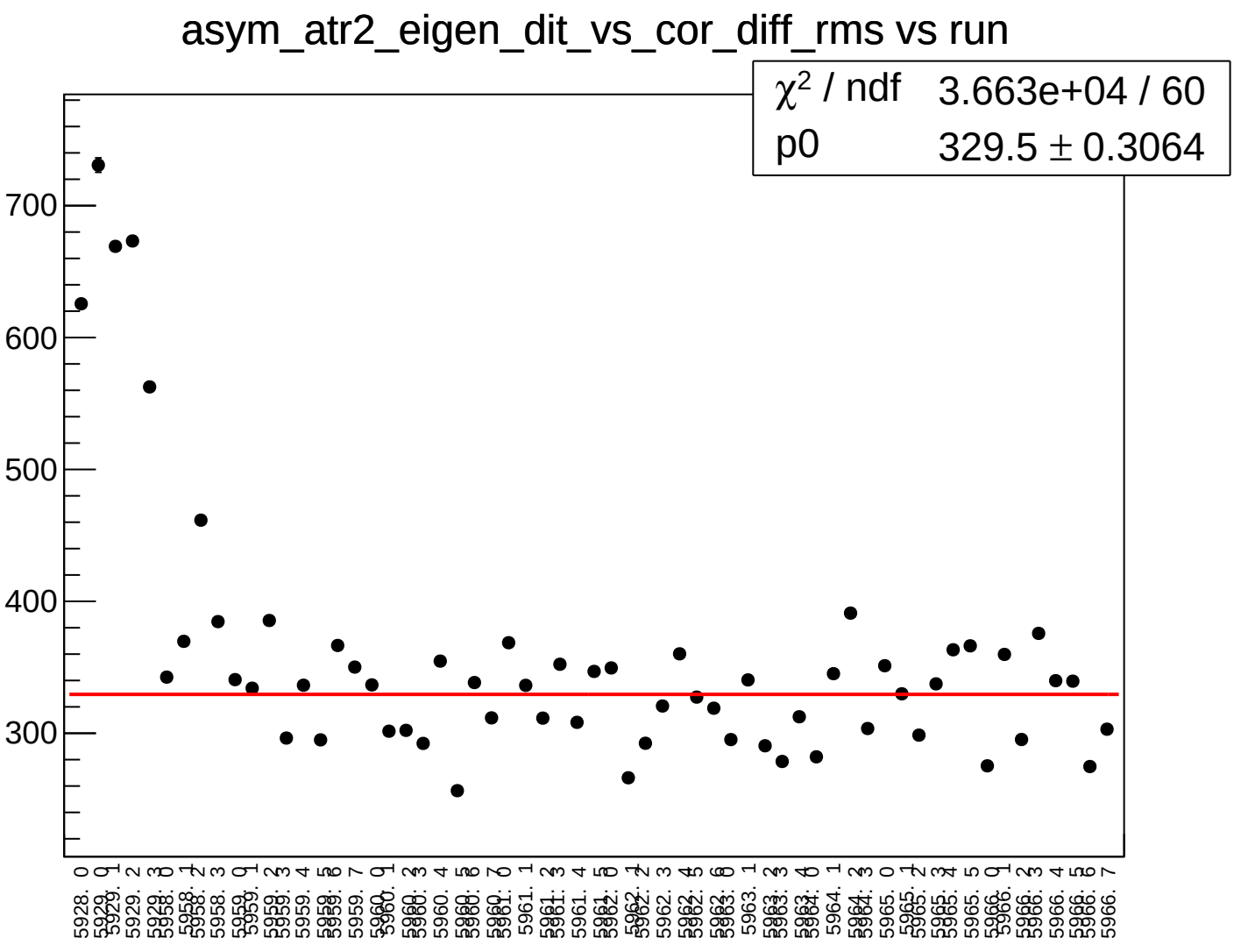

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 60
p0 329.5 ± 0.3064
700
600
500
400
300

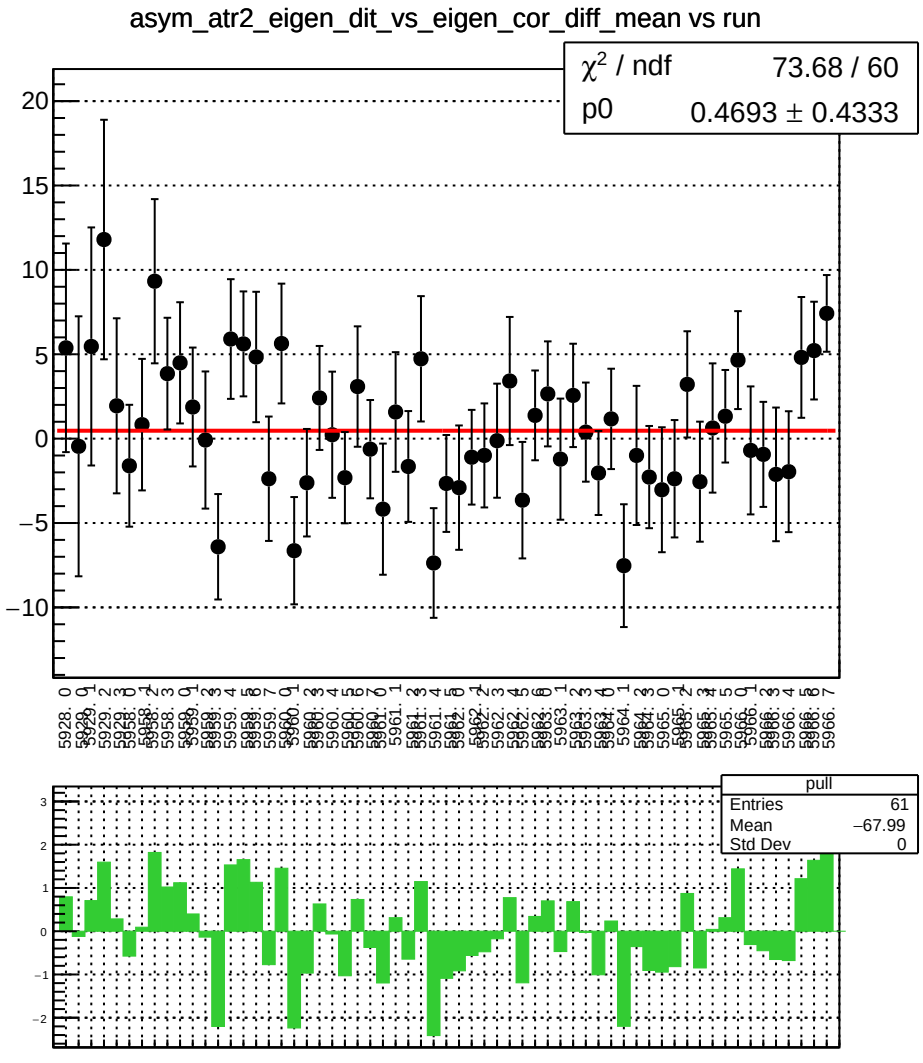

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 72.42 / 60
p0 −9.549e−06 ± 5.074e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 61.1
Std Dev 0
pull1D
Entries 61
Mean 0.00661
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

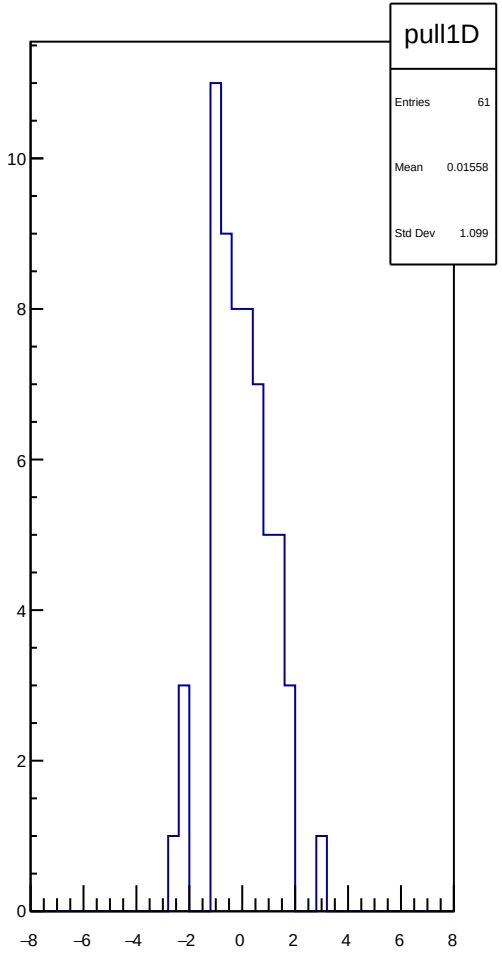

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7323 / 60
p0 0.03906 ± 3.588e−05
0.054
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034

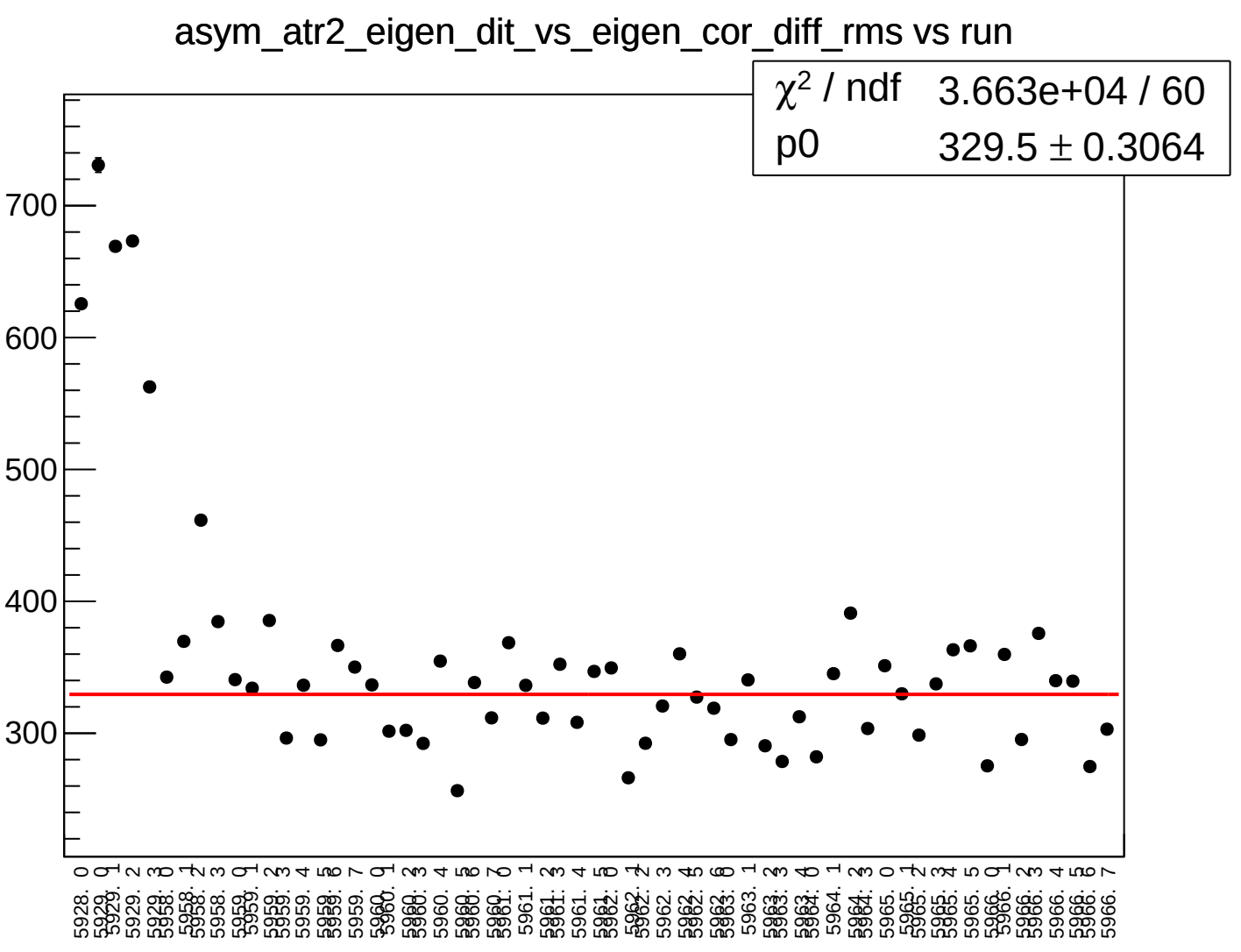

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.68 / 60
p0 0.4693 ± 0.4333
pull
Entries 61
Mean −67.99
Std Dev 0

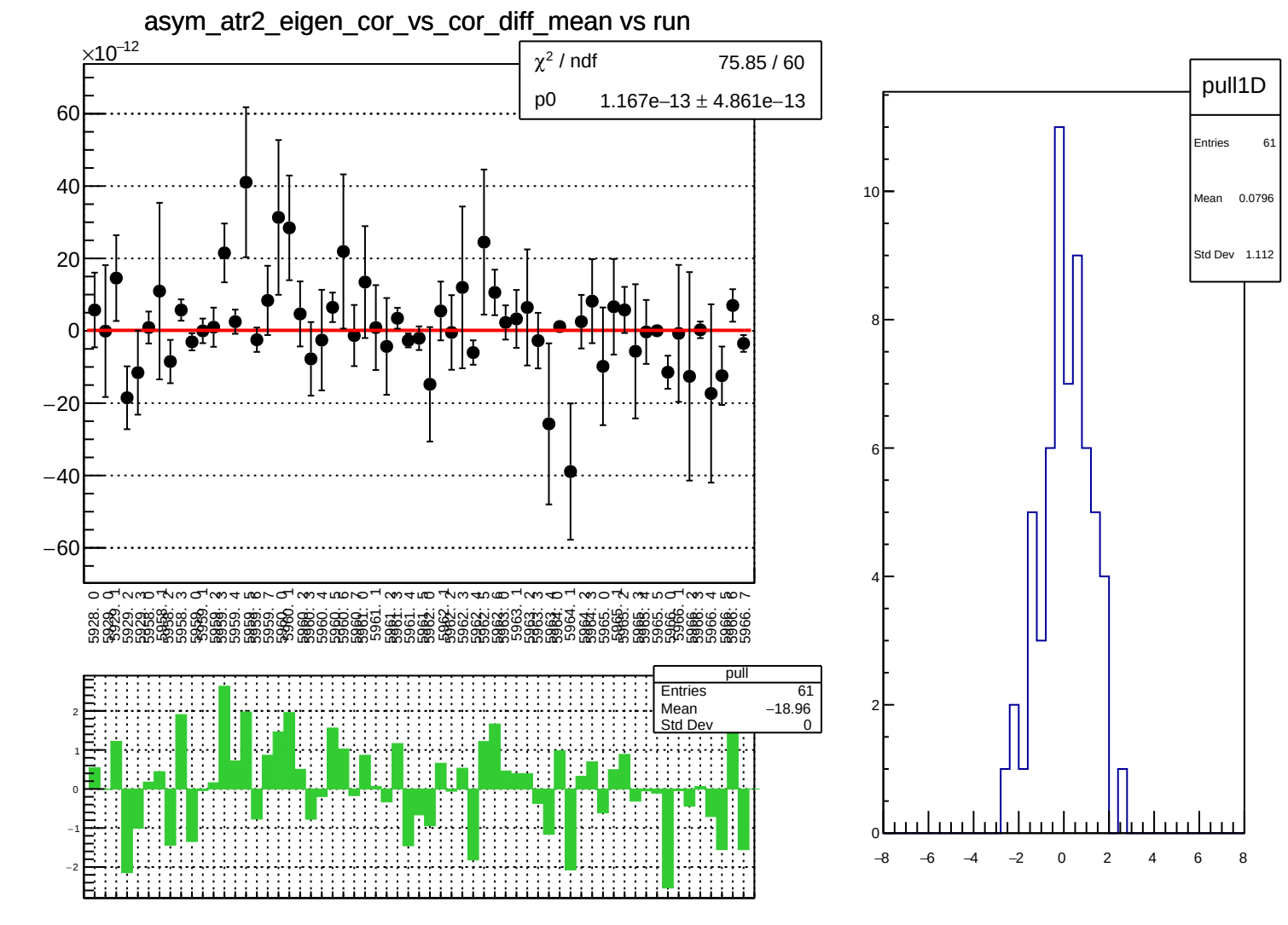

pull1D
Entries 61
Mean 0.01558
Std Dev 1.099

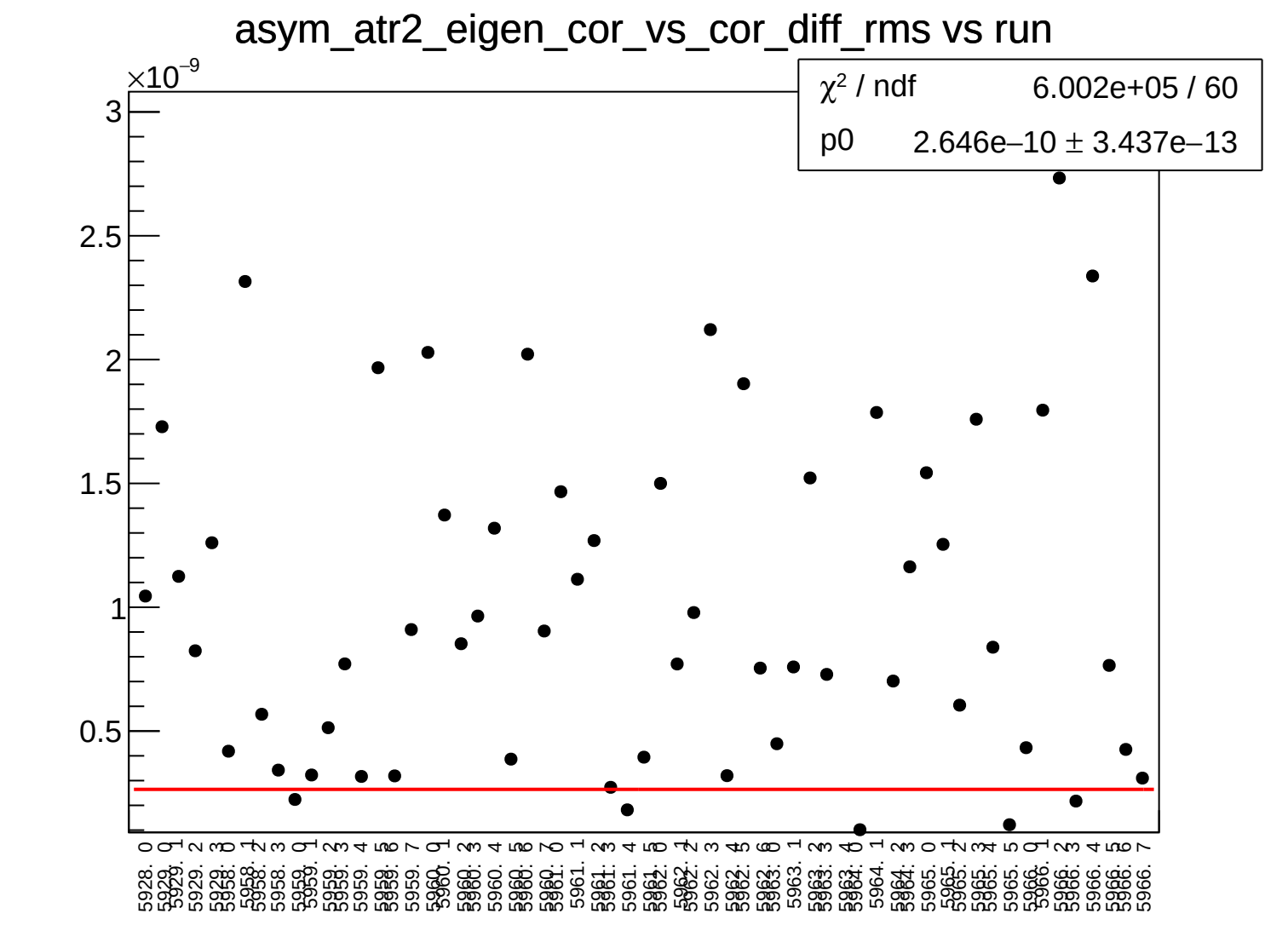

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 60
p0 329.5 ± 0.3064
700
600
500
400
300

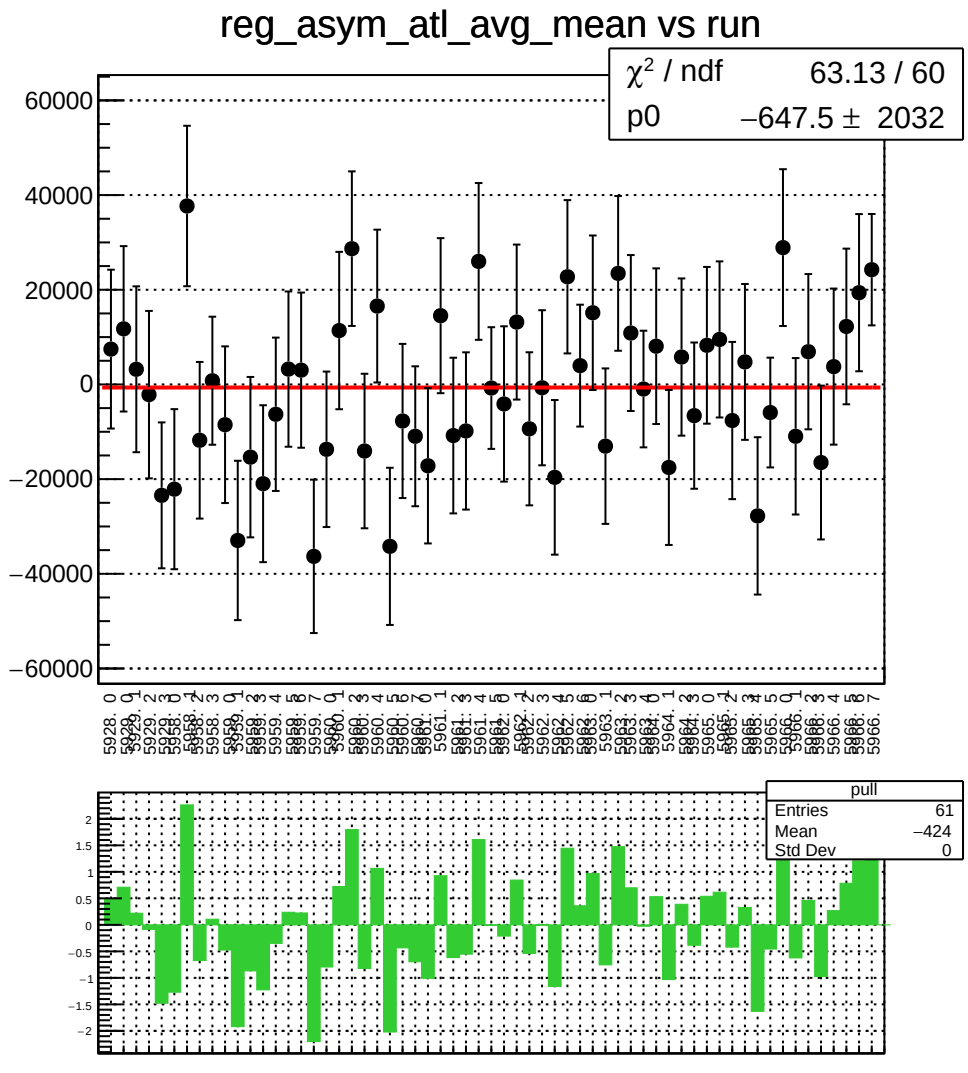

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.68 / 60
p0 0.4693 ± 0.4333
pull
Entries 61
Mean −67.99
Std Dev 0

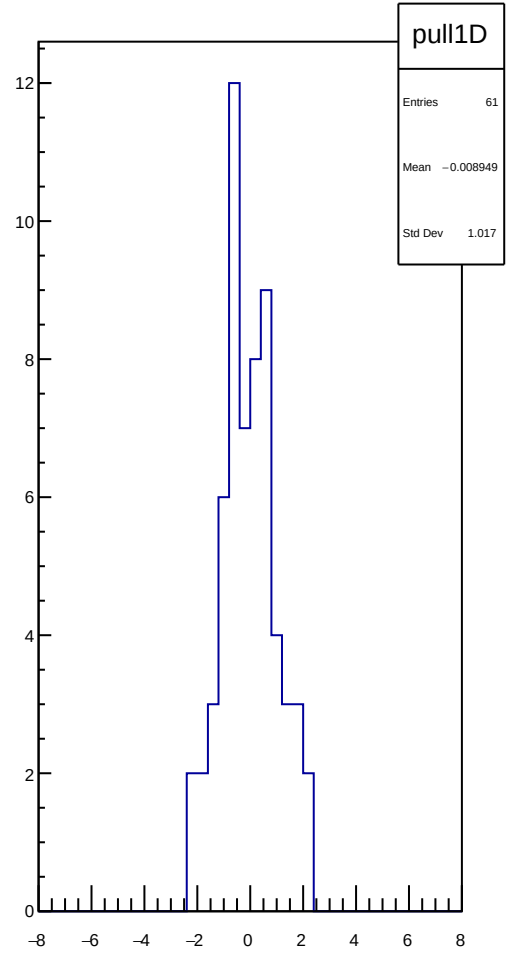

pull1D
Entries 61
Mean 0.01558
Std Dev 1.099

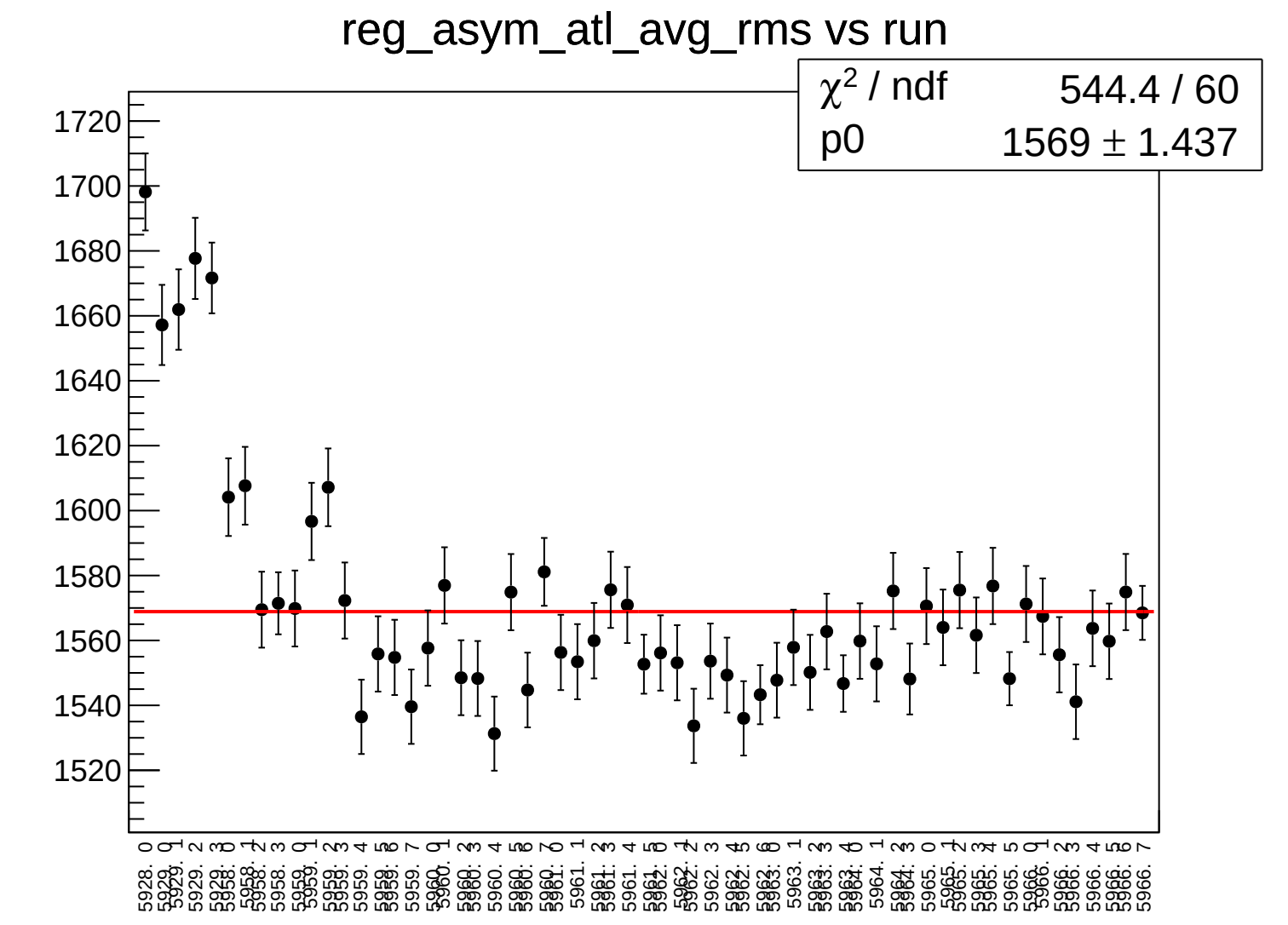

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.663e+04 / 60
p0 329.5 ± 0.3064
700
600
500
400
300

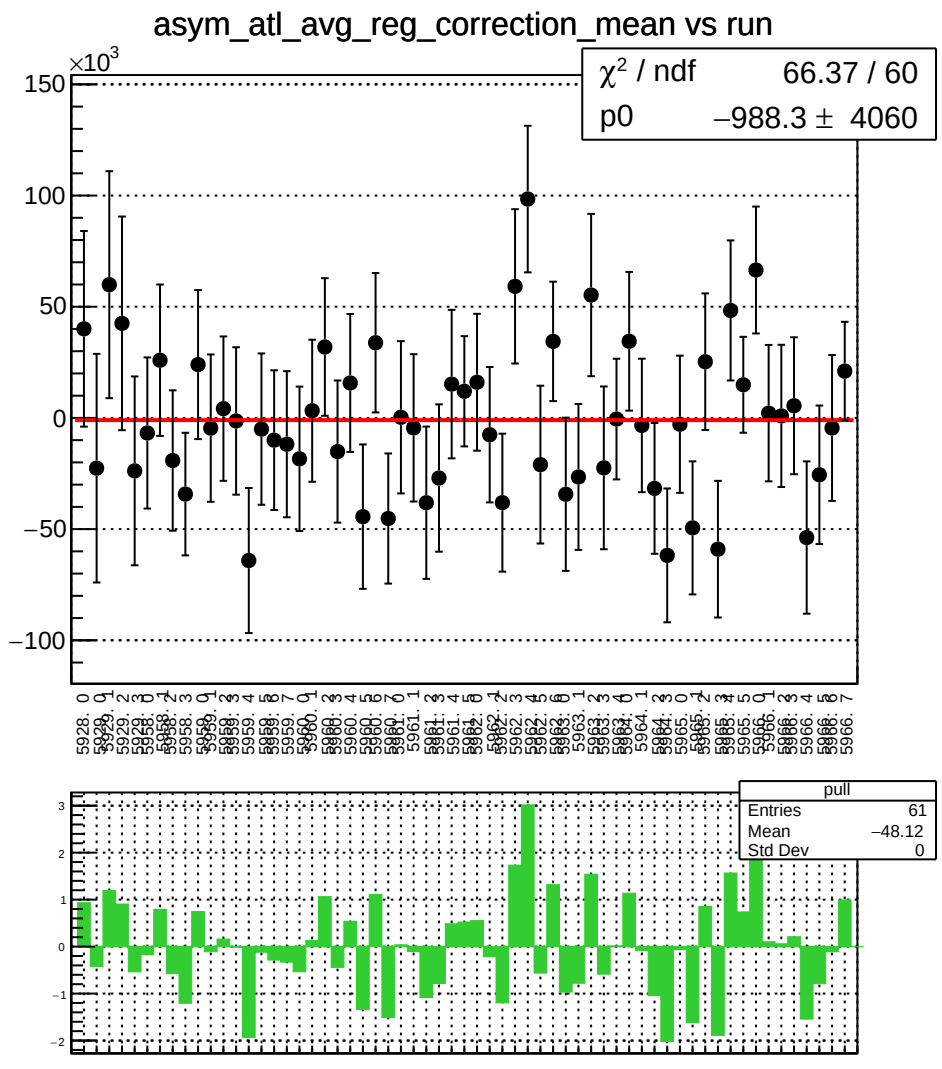

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.85 / 60
p0 1.167e−13 ± 4.861e−13
pull
Entries 61
Mean −18.96
Std Dev 0
pull1D
Entries 61
Mean 0.0796
Std Dev 1.112

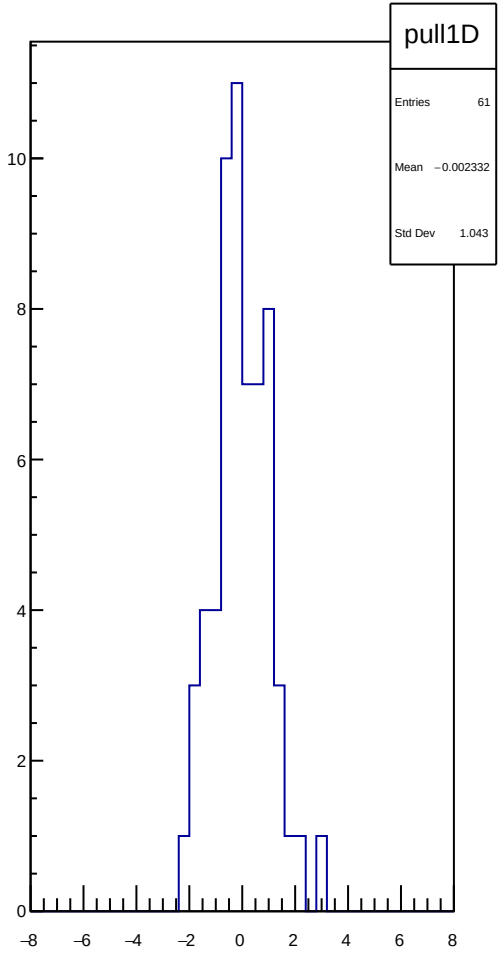

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.002e+05 / 60
p0 2.646e−10 ± 3.437e−13
3
2.5
2
1.5
1
0.5

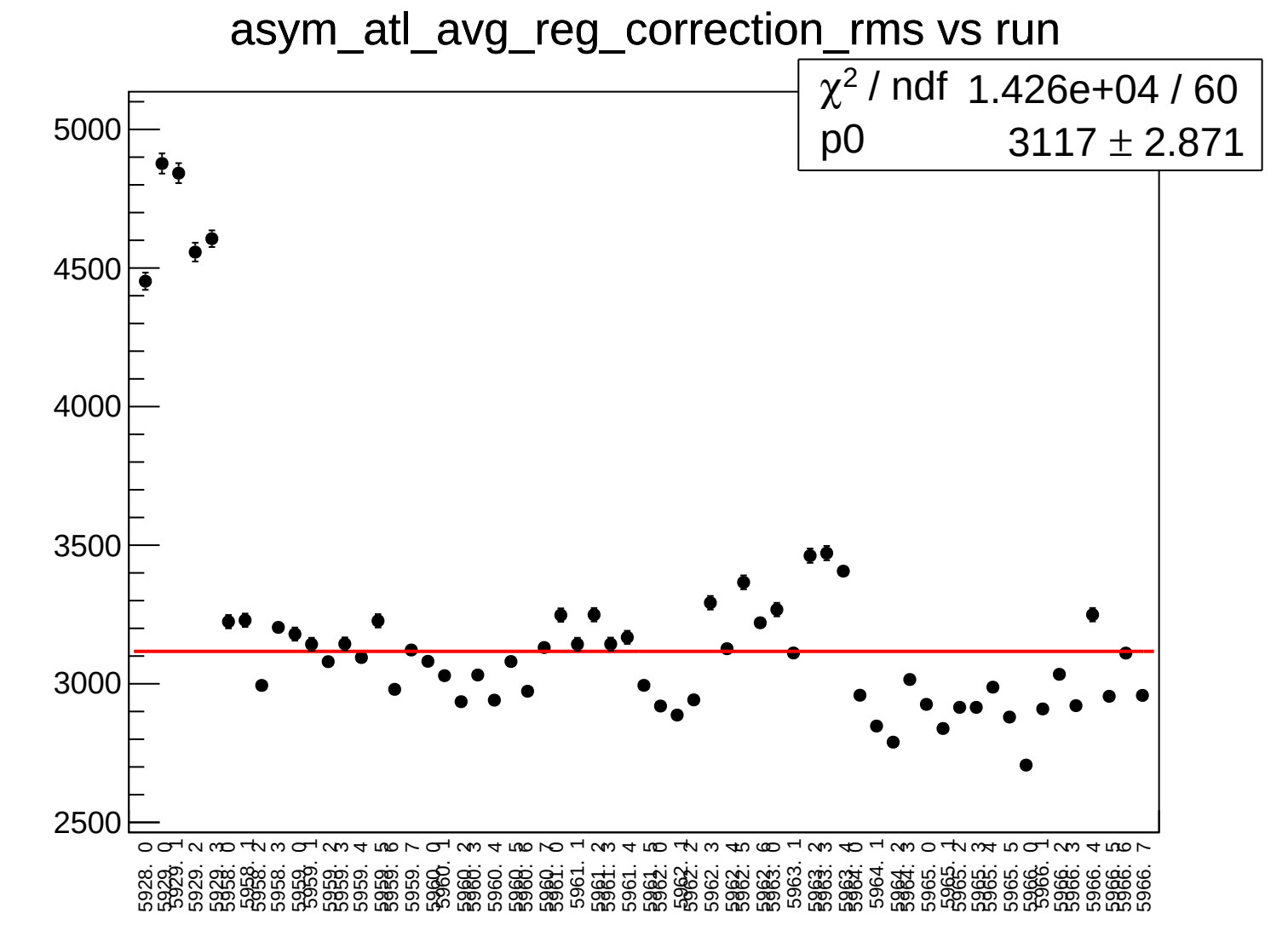

reg_asym_atl_avg_mean vs run
χ² / ndf 63.13 / 60
p0 −647.5 ± 2032
pull
Entries 61
Mean −424
Std Dev 0

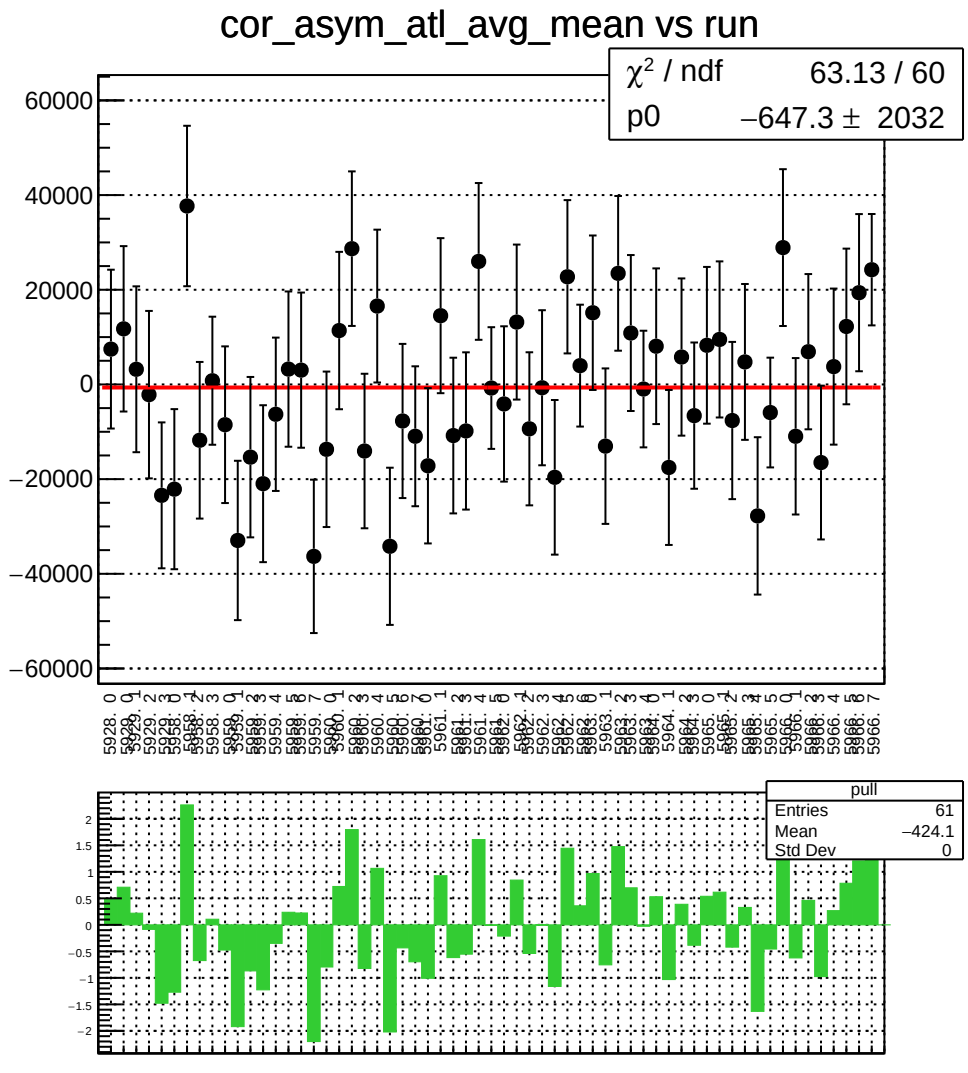

pull1D
Entries 61
Mean −0.008949
Std Dev 1.017

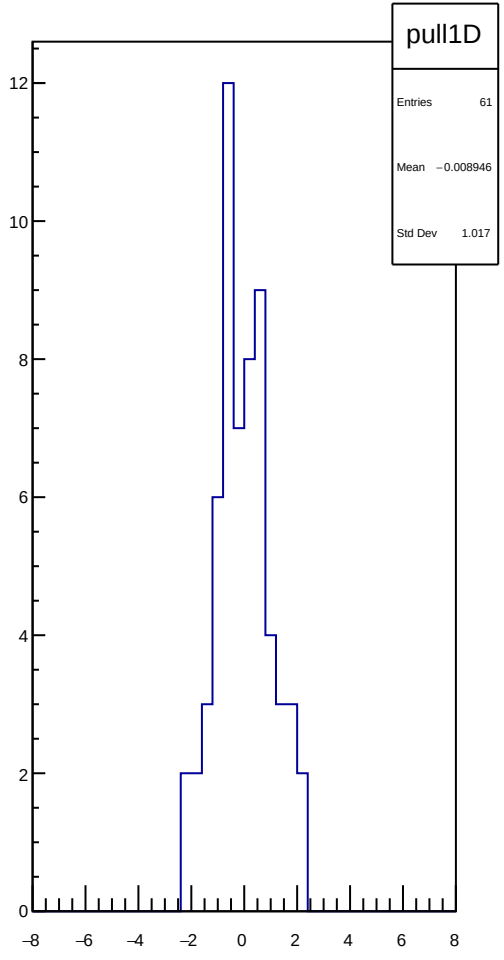

reg_asym_atl_avg_rms vs run
χ² / ndf 544.4 / 60
p0 1569 ± 1.437
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

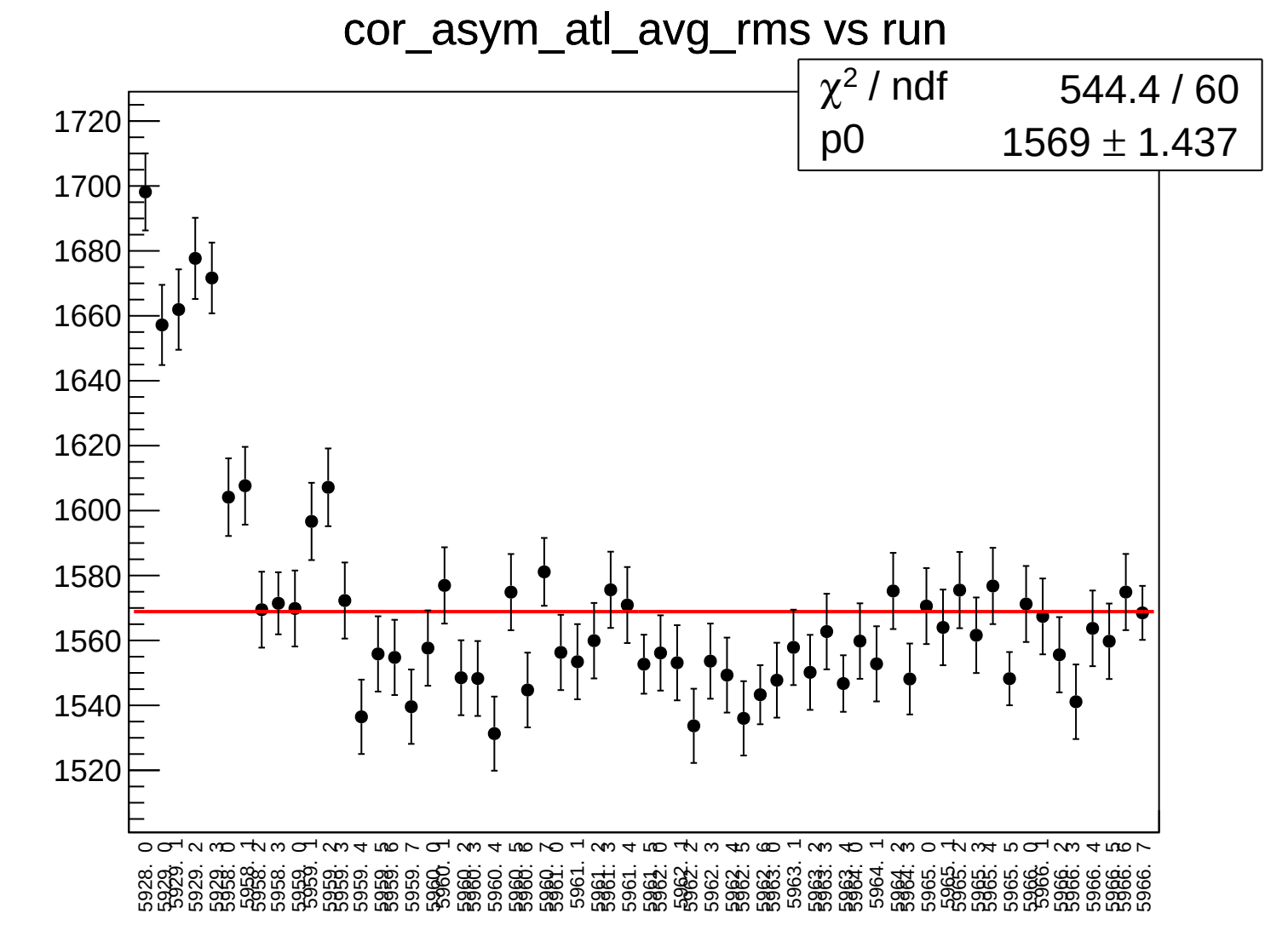

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 66.37 / 60
p0 −988.3 ± 4060
150
100
50
0
−50
−100
pull
Entries 61
Mean −48.12
Std Dev 0
3
2
1
0
−1
−2

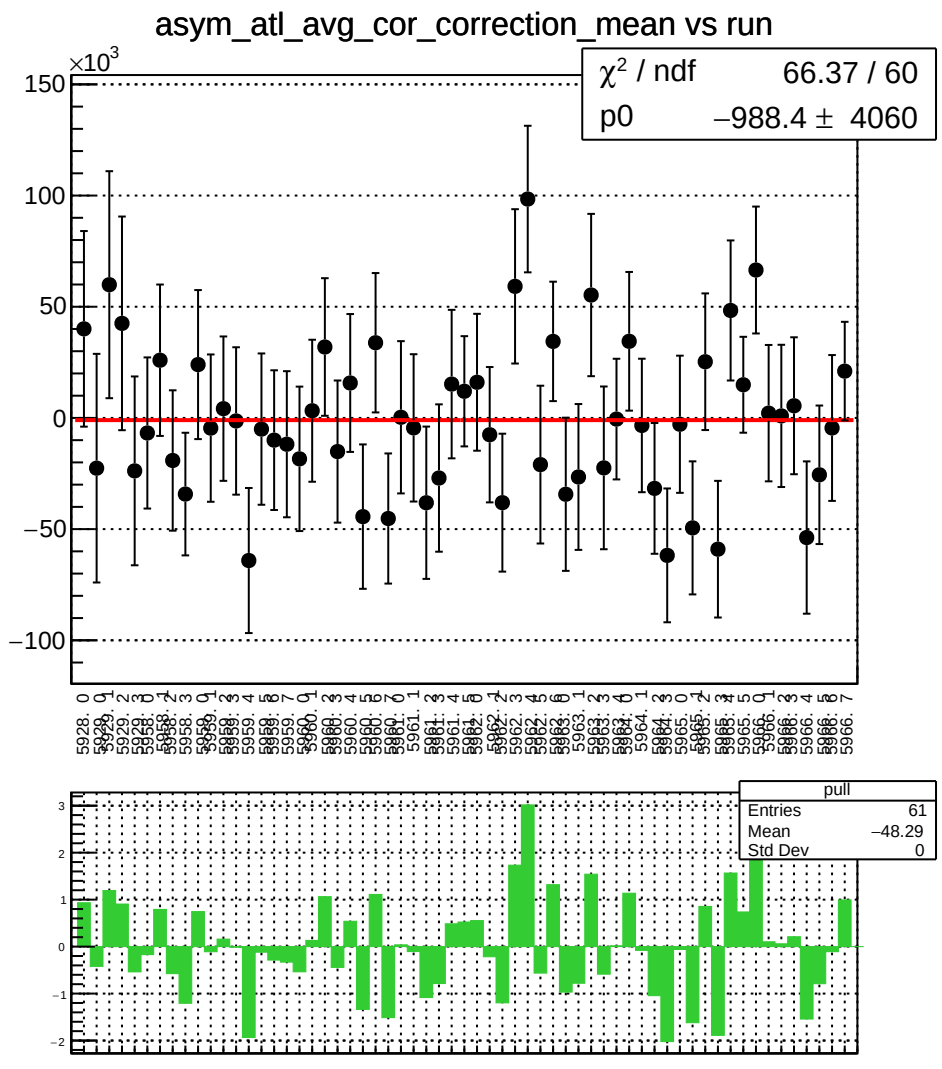

pull1D
Entries 61
Mean −0.002332
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

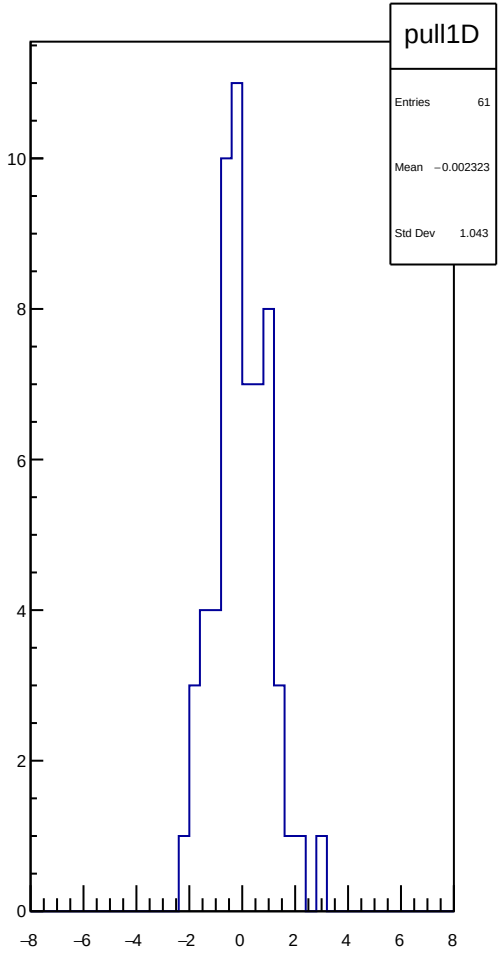

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1.426e+04 / 60
p0 3117 ± 2.871
5000
4500
4000
3500
3000
2500

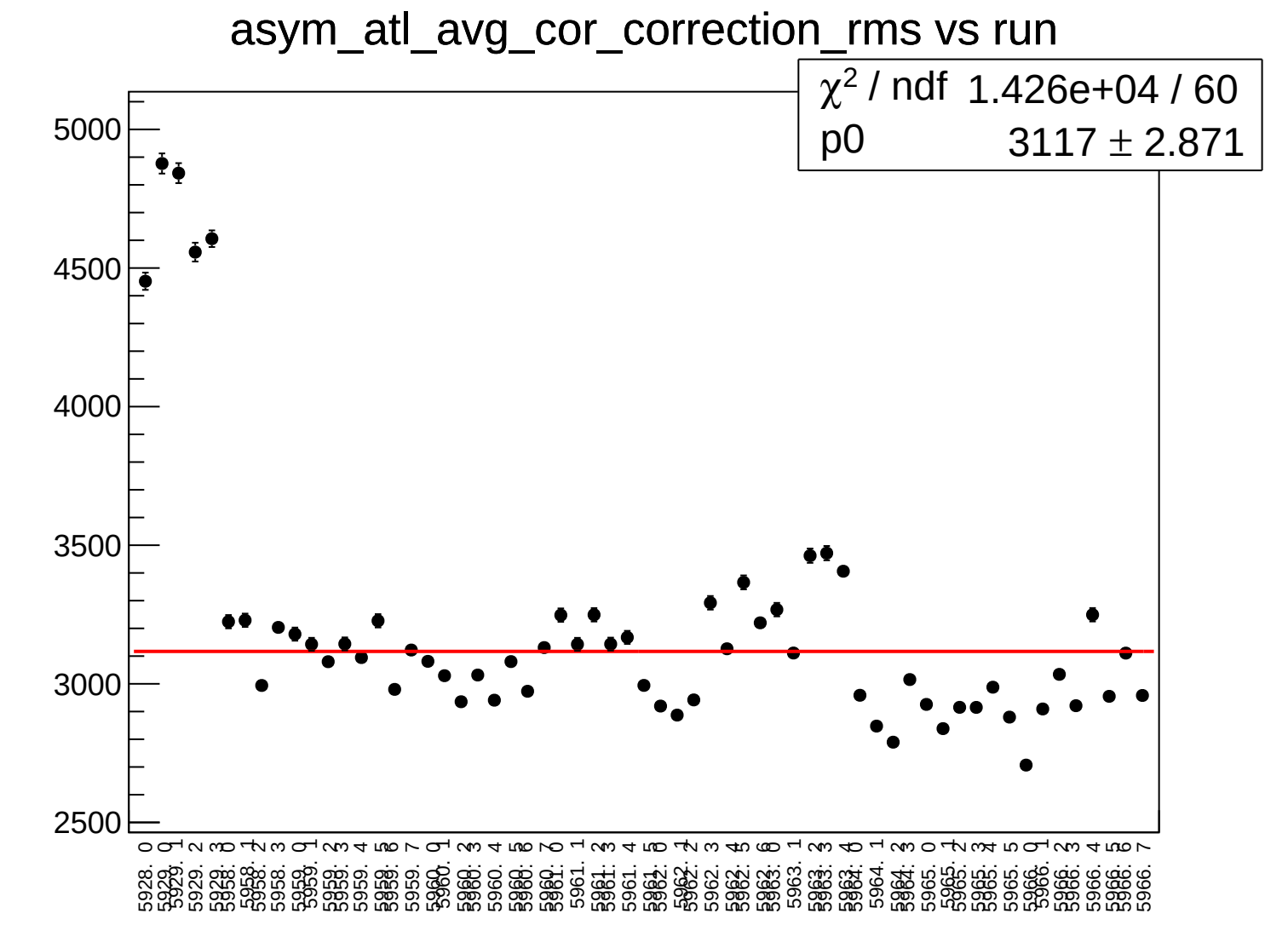

cor_asym_atl_avg_mean vs run
χ² / ndf 63.13 / 60
p0 −647.3 ± 2032
pull
Entries 61
Mean −424.1
Std Dev 0

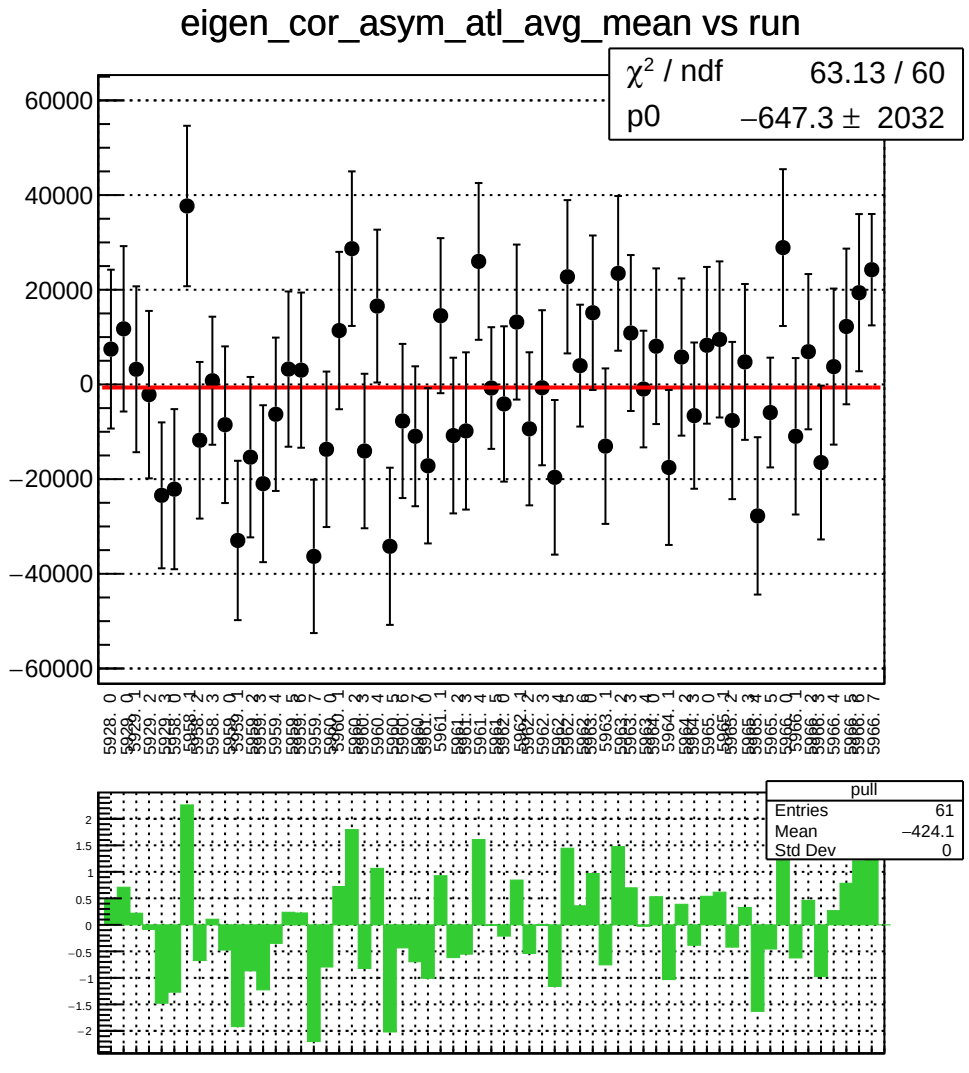

pull1D
Entries 61
Mean −0.008946
Std Dev 1.017

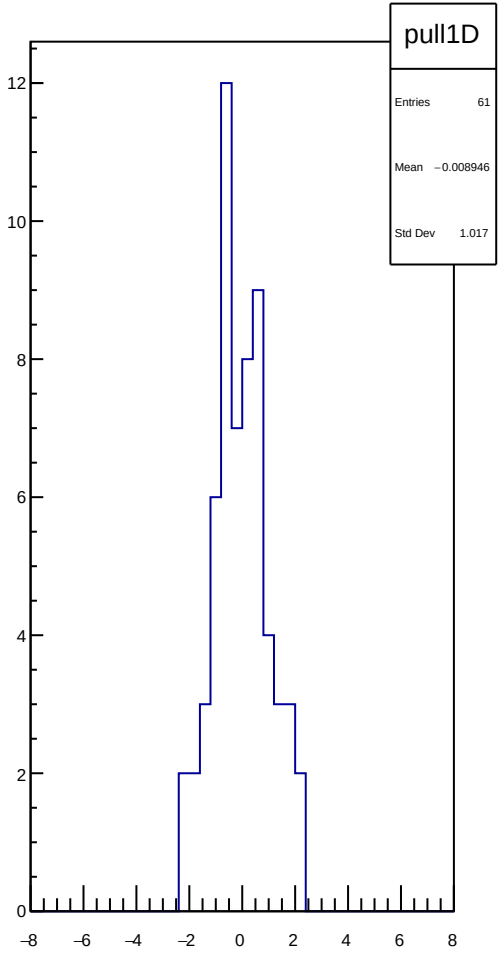

cor_asym_atl_avg_rms vs run
χ^2 / ndf 544.4 / 60
p0 1569 ± 1.437
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

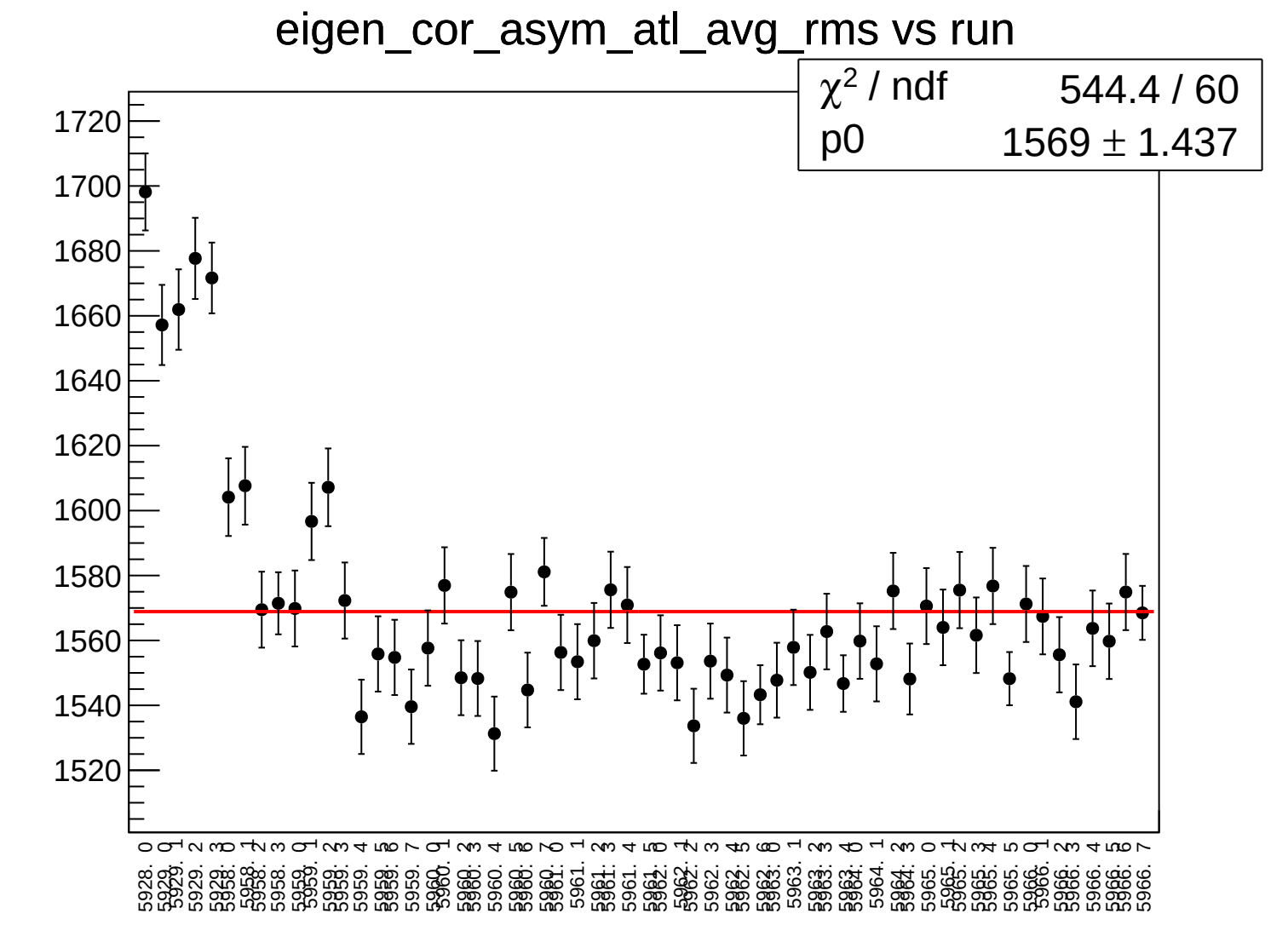

asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 66.37 / 60
p0 −988.4 ± 4060
150
100
50
0
−50
−100
pull
Entries 61
Mean −48.29
Std Dev 0
3
2
1
0
−1
−2

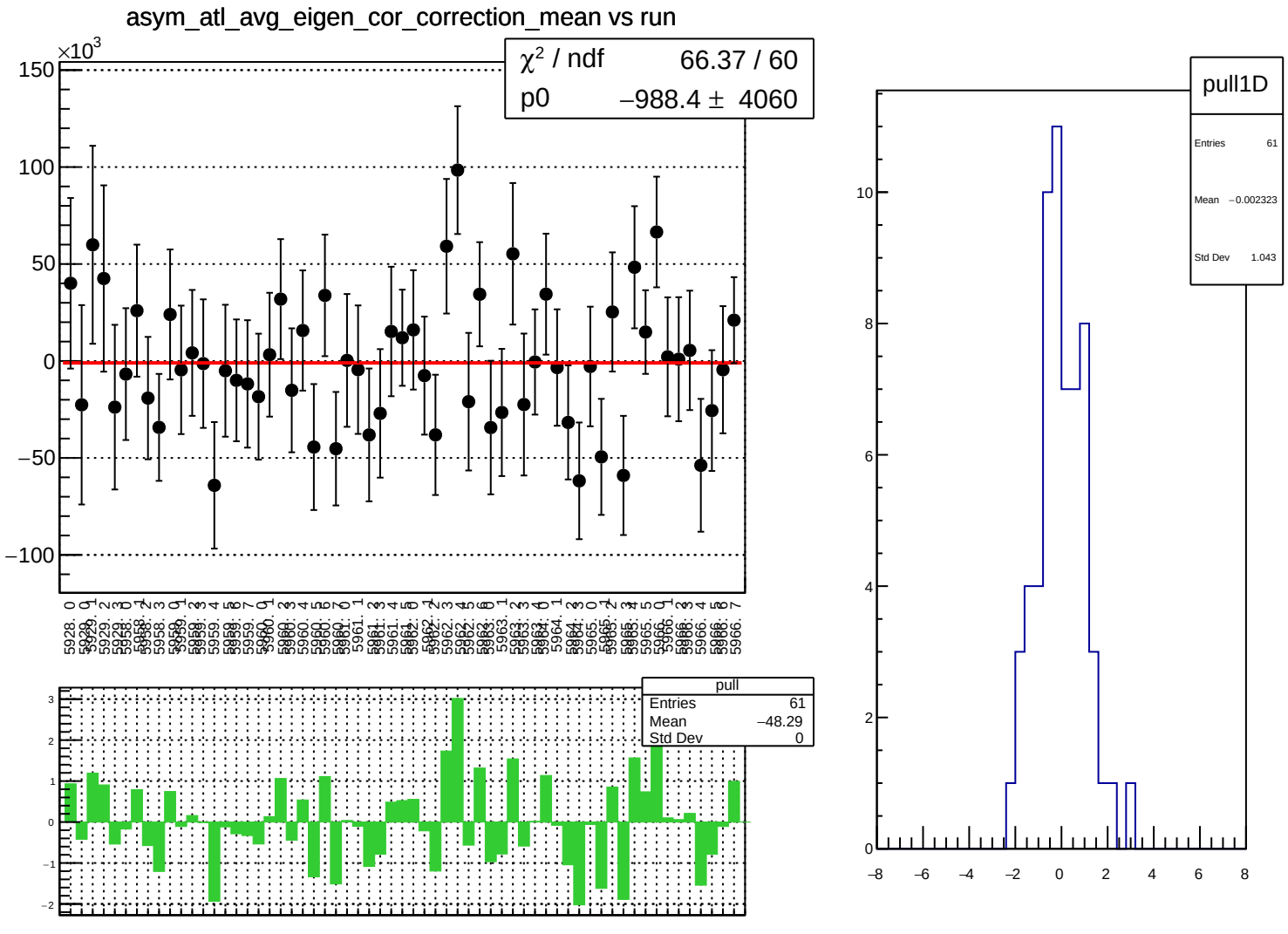

pull1D
Entries 61
Mean −0.002323
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

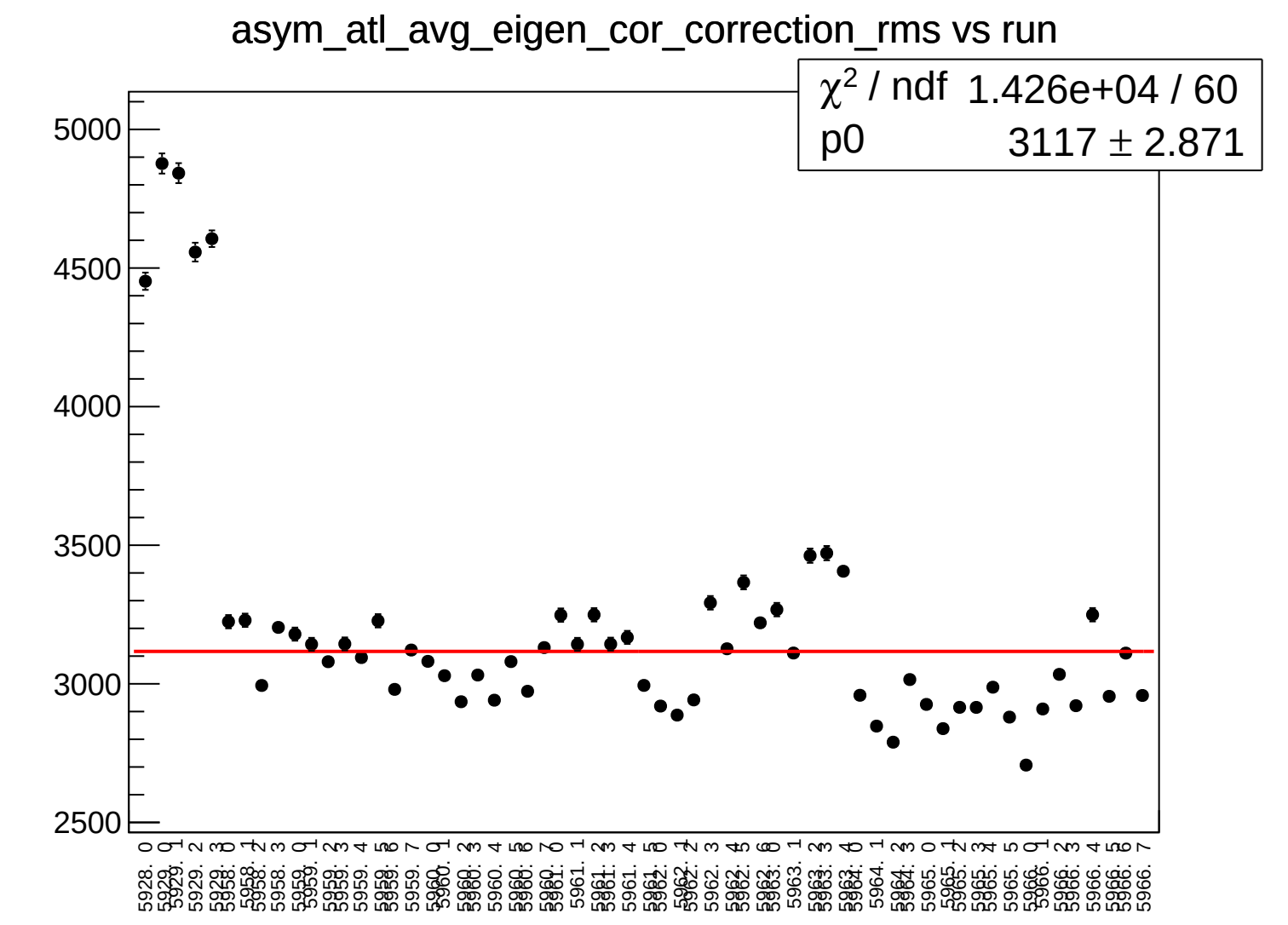

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1.426e+04 / 60
p0 3117 ± 2.871
5000
4500
4000
3500
3000
2500

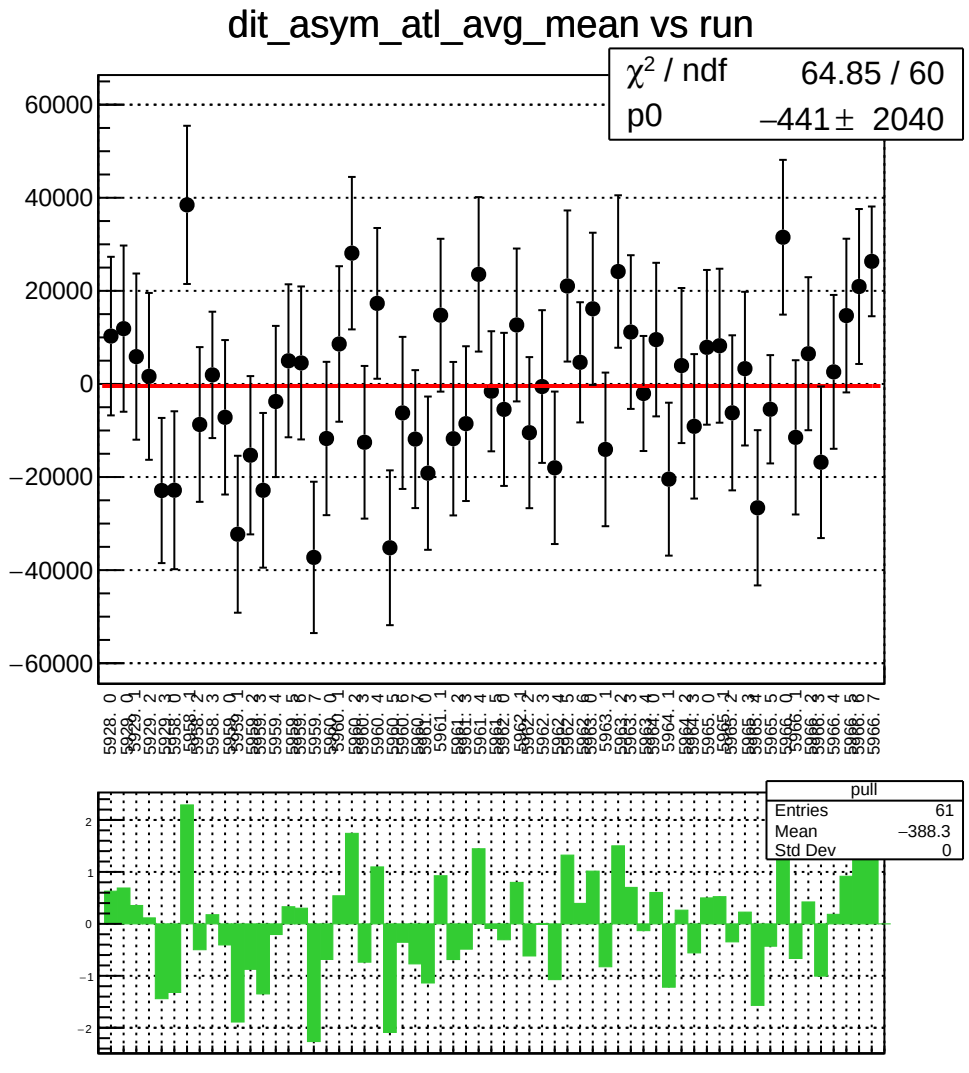

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 63.13 / 60
p0 −647.3 ± 2032
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −424.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

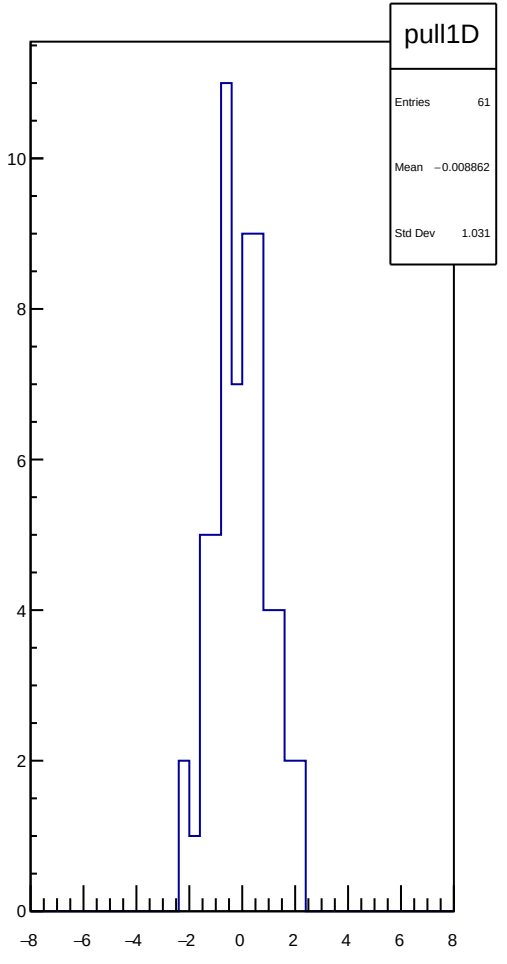

pull1D
Entries 61
Mean −0.008946
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

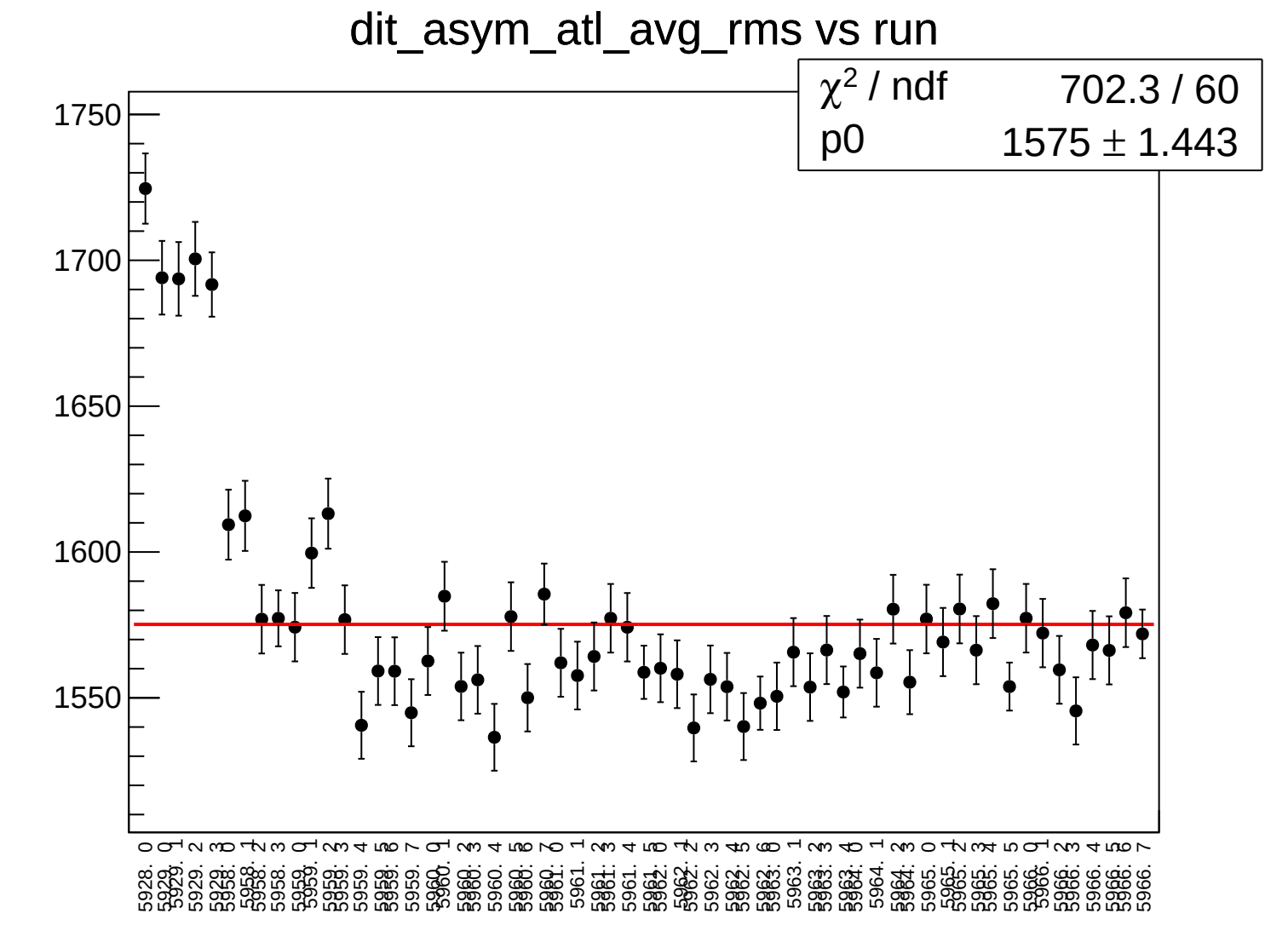

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 544.4 / 60
p0 1569 ± 1.437
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

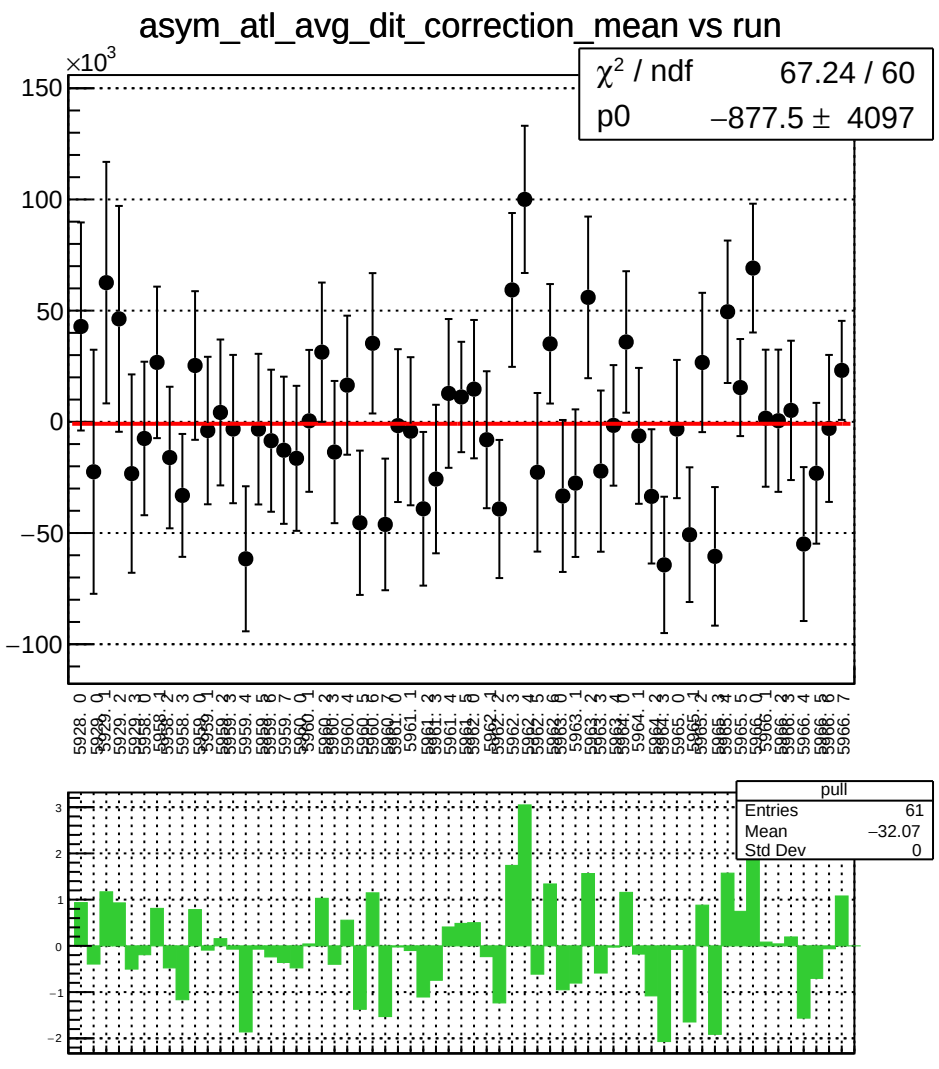

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.37 / 60
p0 −988.4 ± 4060
150
100
50
0
−50
−100
pull
Entries 61
Mean −48.29
Std Dev 0
pull1D
Entries 61
Mean −0.002323
Std Dev 1.043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

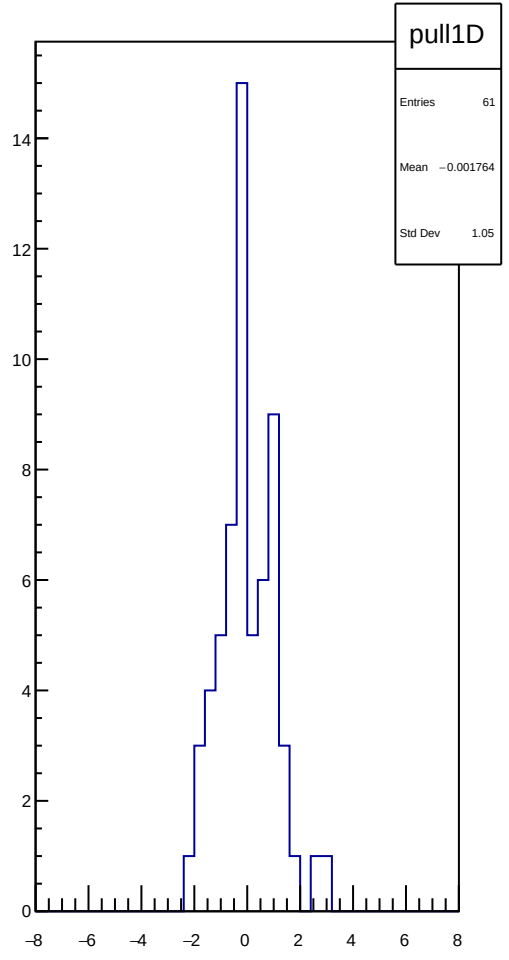

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.426e+04 / 60
p0 3117 ± 2.871
5000
4500
4000
3500
3000
2500

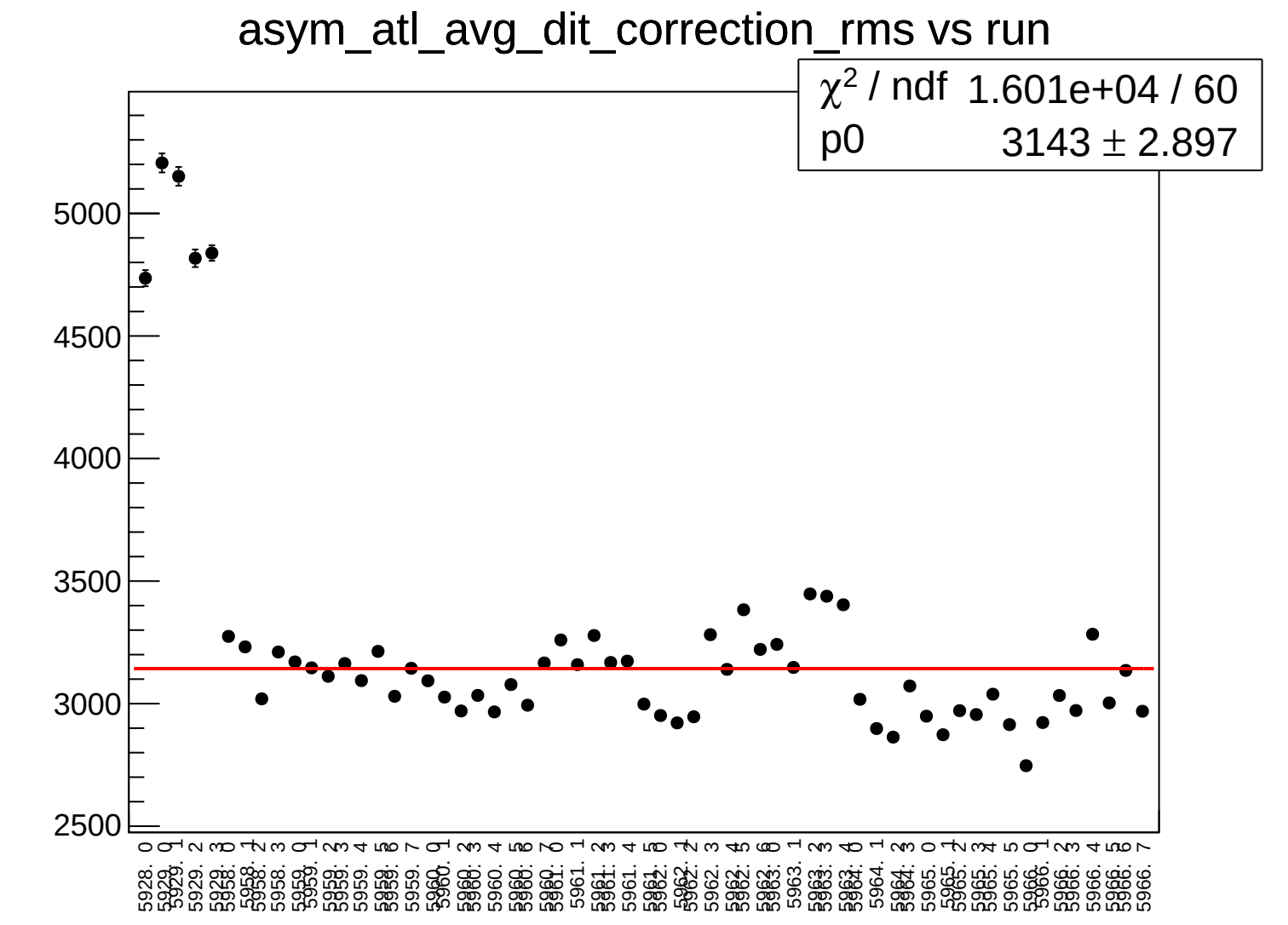

dit_asym_atl_avg_mean vs run
χ² / ndf 64.85 / 60
p0 −441 ± 2040
pull
Entries 61
Mean −388.3
Std Dev 0

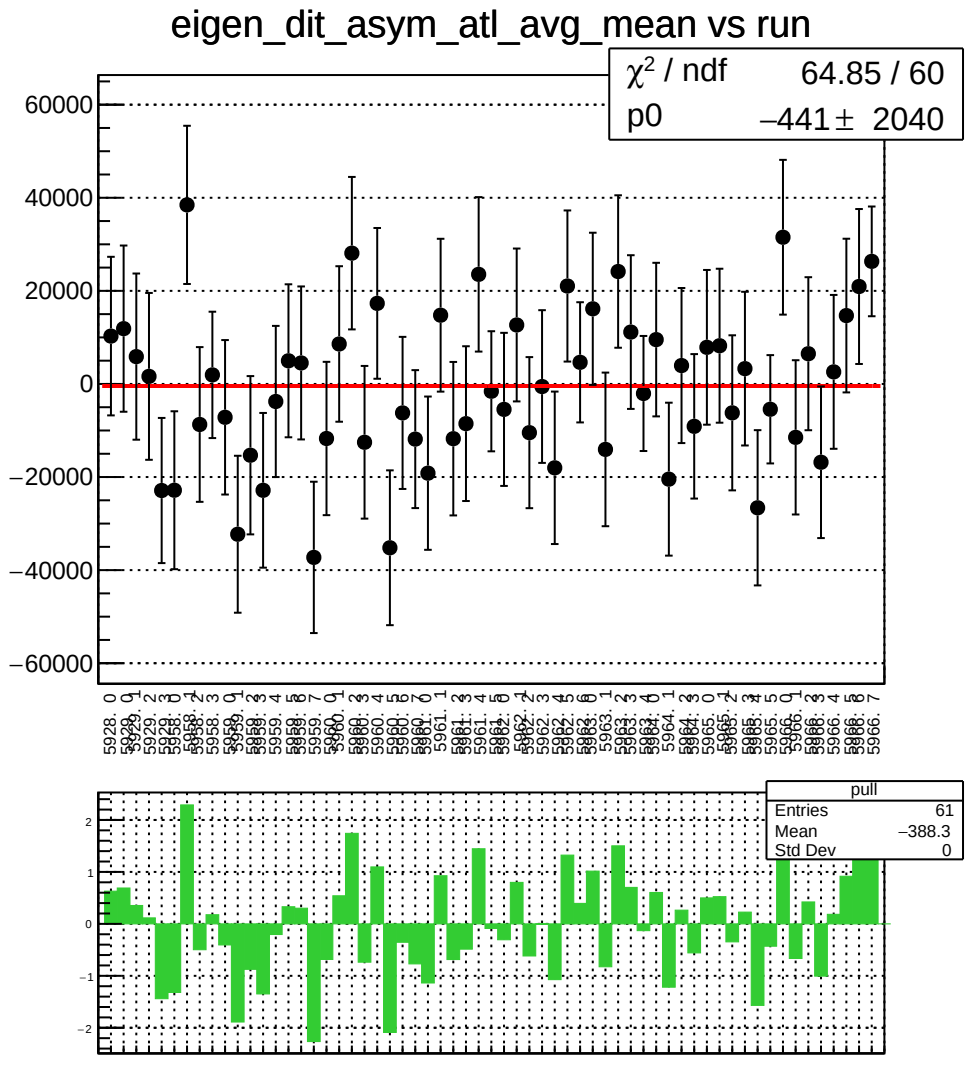

pull1D
Entries 61
Mean −0.008862
Std Dev 1.031

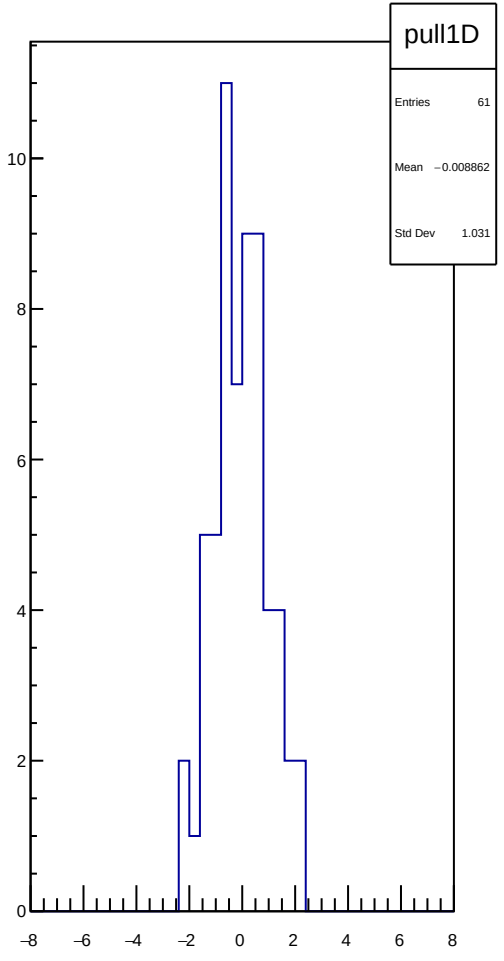

dit_asym_atl_avg_rms vs run
χ² / ndf 702.3 / 60
p0 1575 ± 1.443
1750
1700
1650
1600
1550

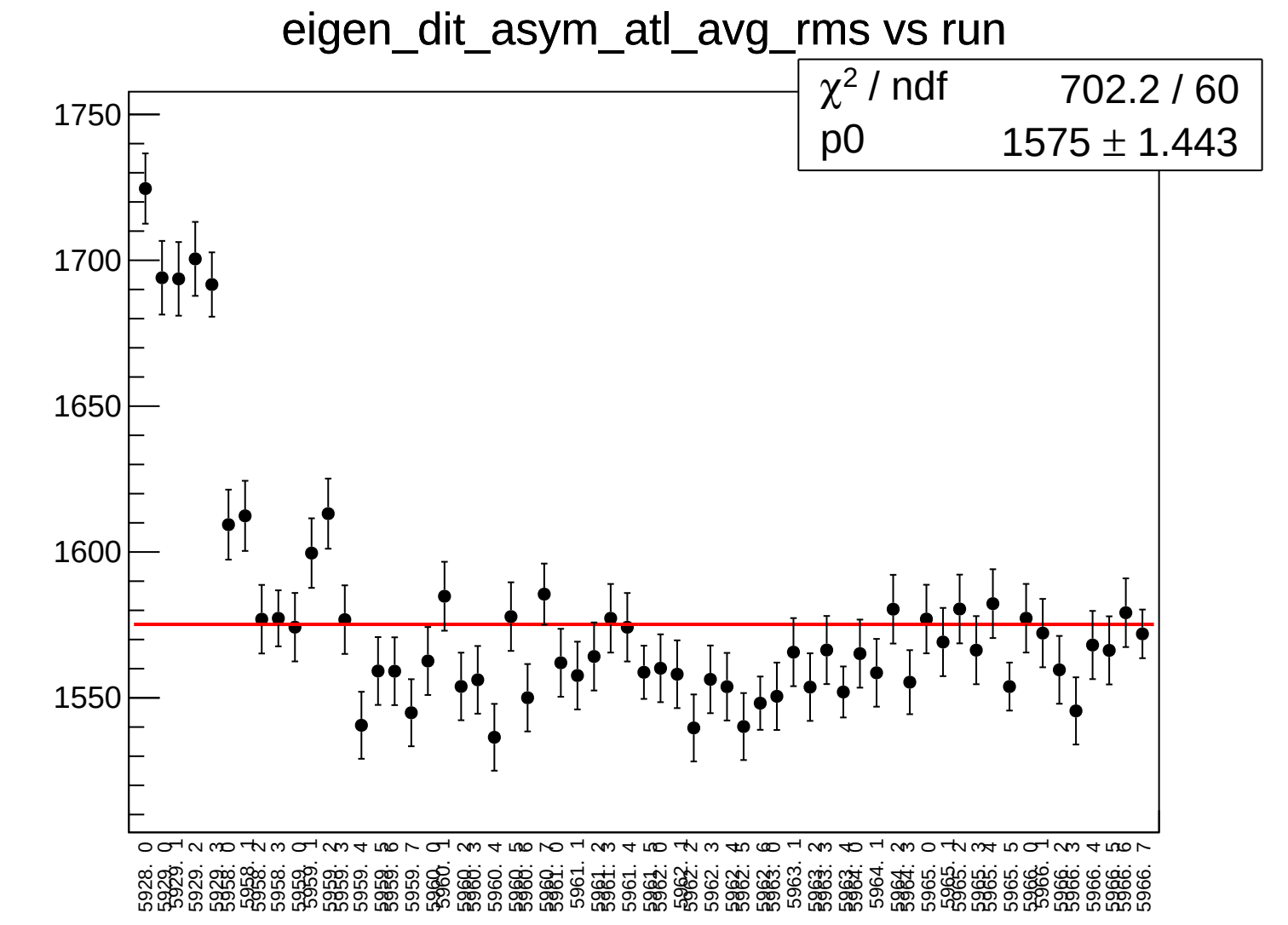

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 67.24 / 60
p0 −877.5 ± 4097
150
100
50
0
−50
−100
pull
Entries 61
Mean −32.07
Std Dev 0
3
2
1
0
−1
−2

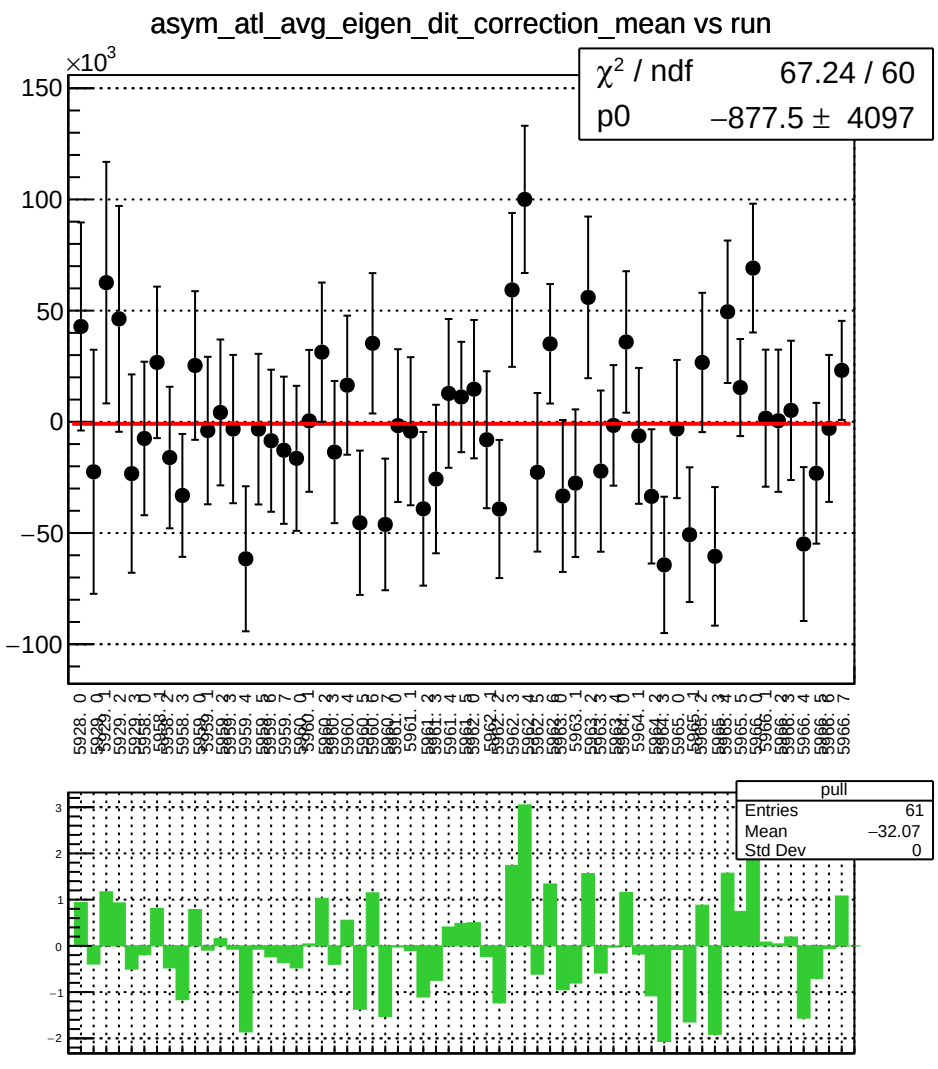

pull1D
Entries 61
Mean −0.001764
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

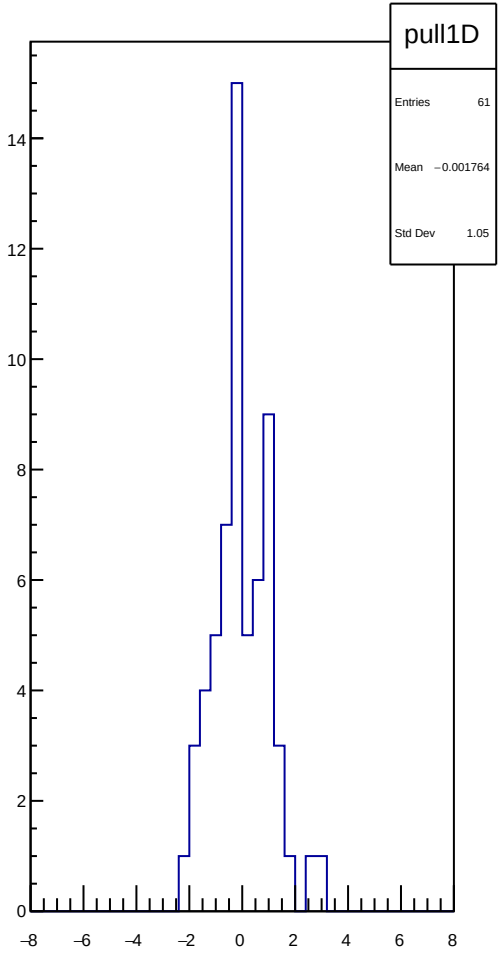

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 1.601e+04 / 60
p0 3143 ± 2.897
5000
4500
4000
3500
3000
2500

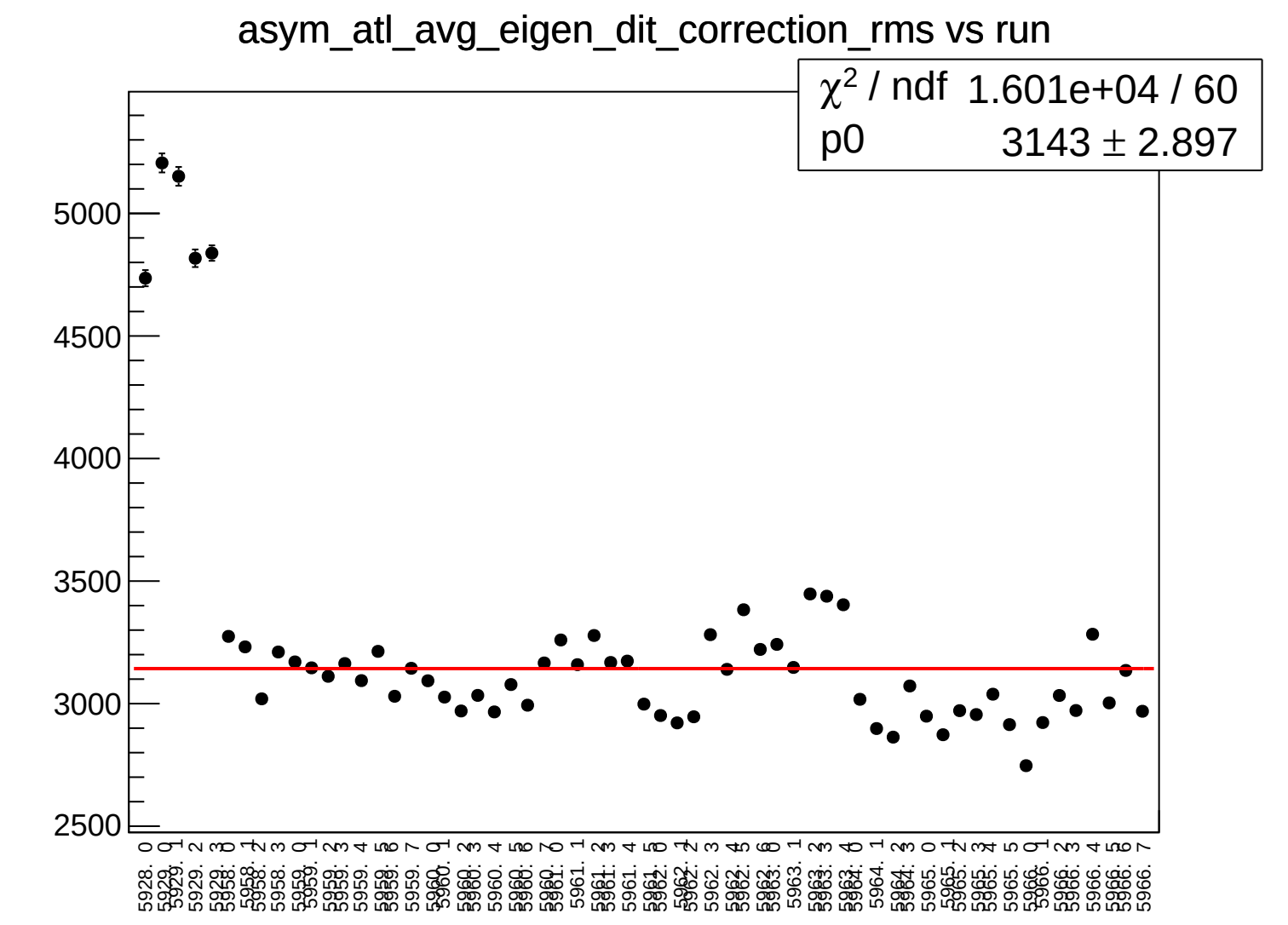

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 64.85 / 60
p0 −441 ± 2040
pull
Entries 61
Mean −388.3
Std Dev 0

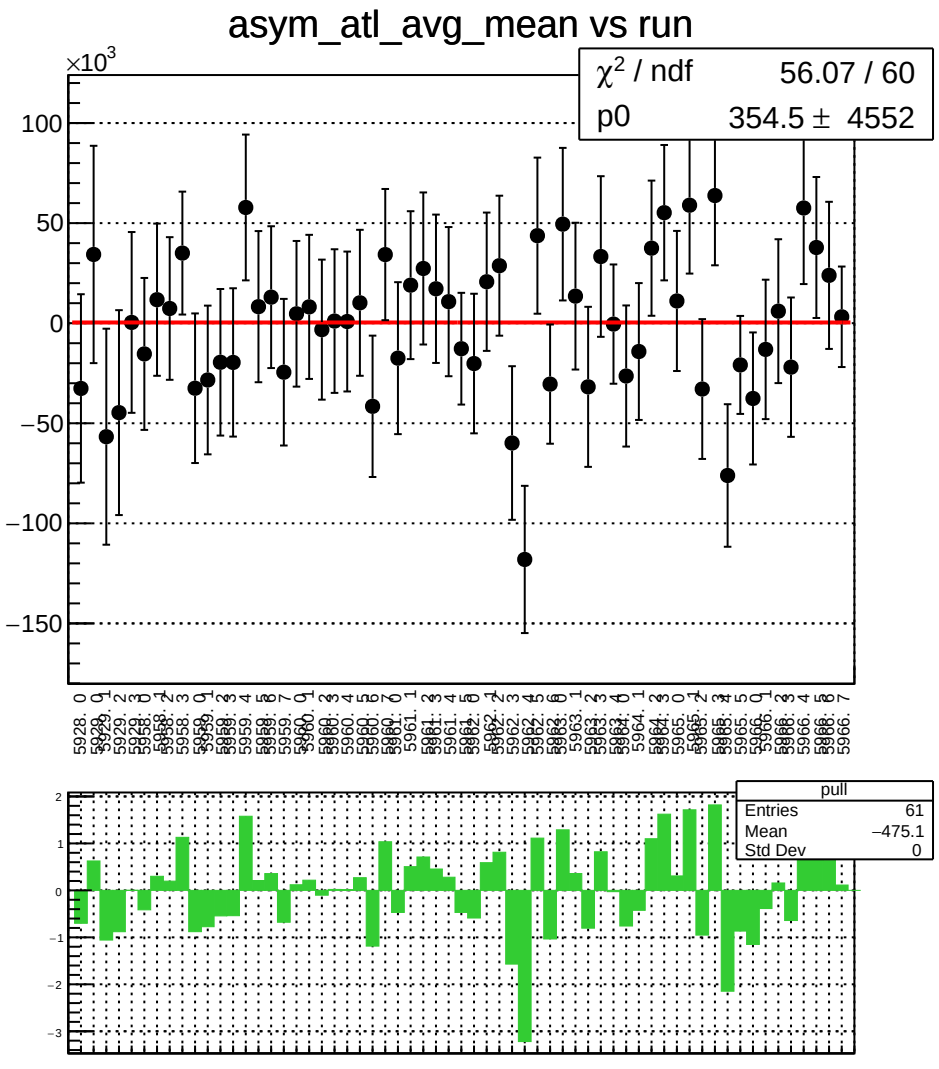

pull1D
Entries 61
Mean −0.008862
Std Dev 1.031

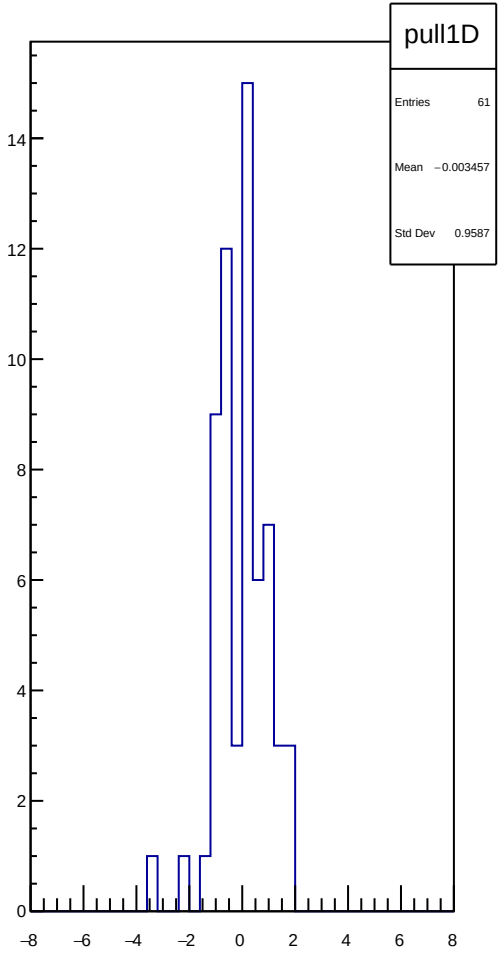

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 702.2 / 60
p0 1575 ± 1.443
1750
1700
1650
1600
1550

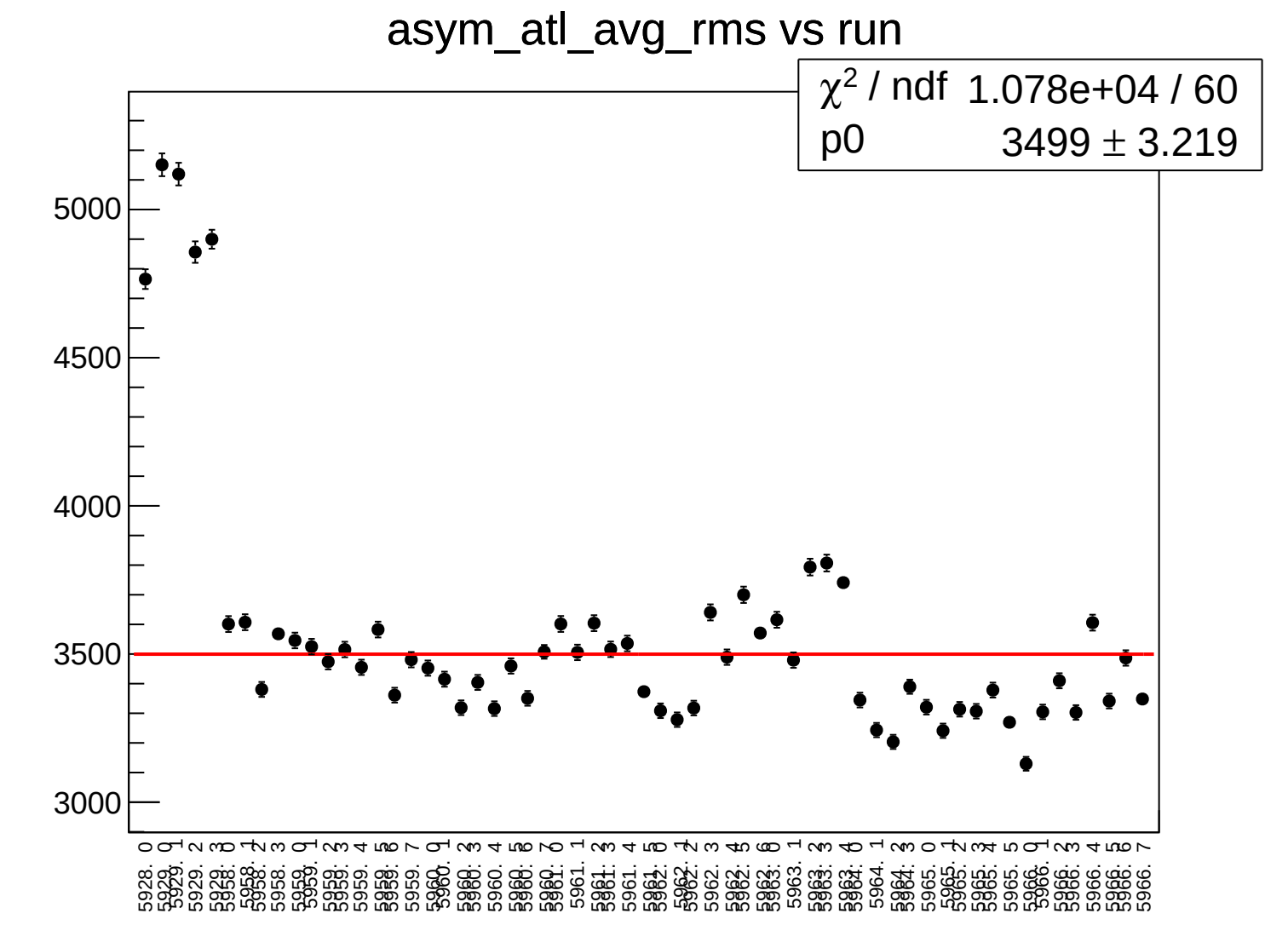

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 67.24 / 60
p0 −877.5 ± 4097
150
100
50
0
−50
−100
pull
Entries 61
Mean −32.07
Std Dev 0
3
2
1
0
−1
−2

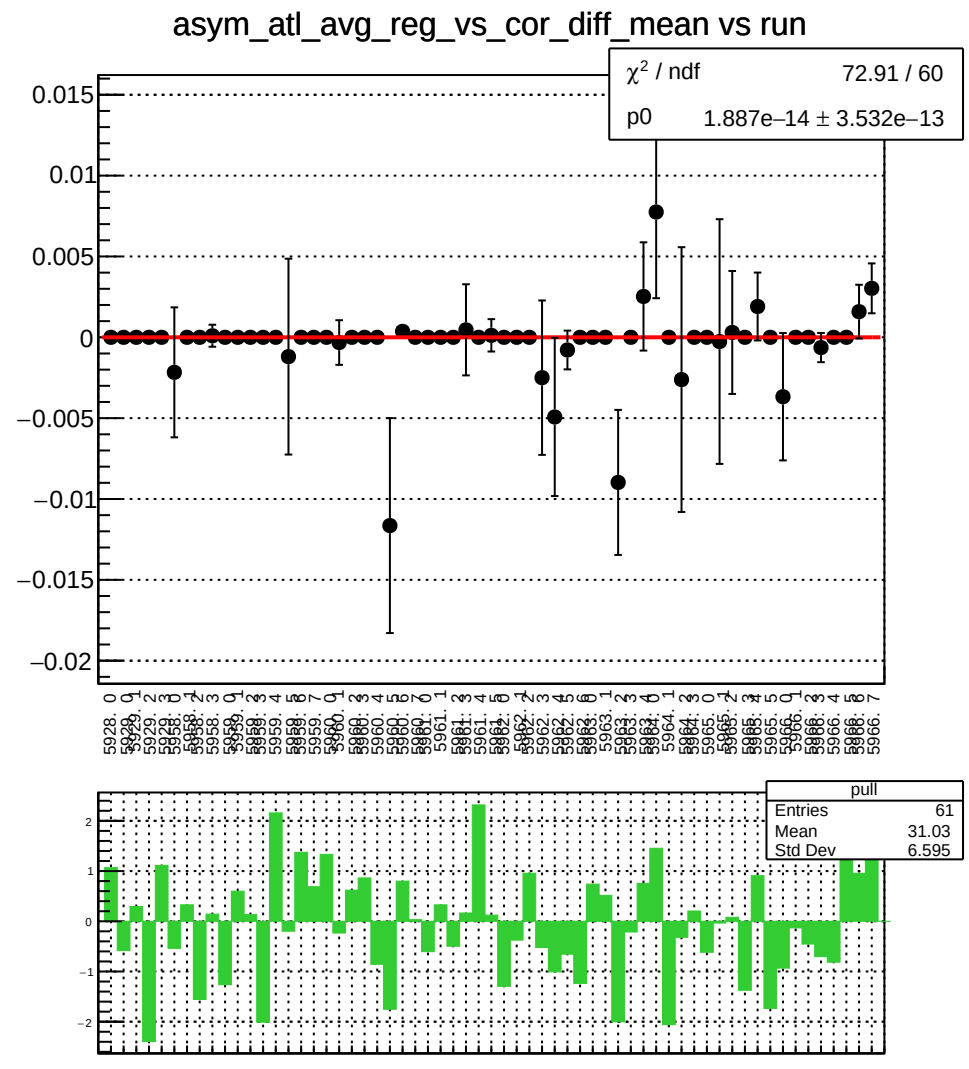

pull1D
Entries 61
Mean −0.001764
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

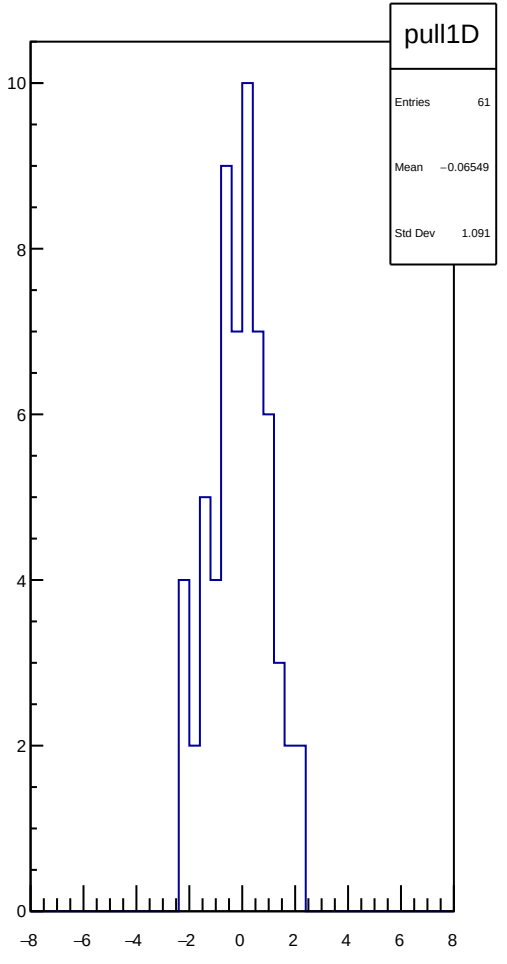

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.601e+04 / 60
p0 3143 ± 2.897
5000
4500
4000
3500
3000
2500

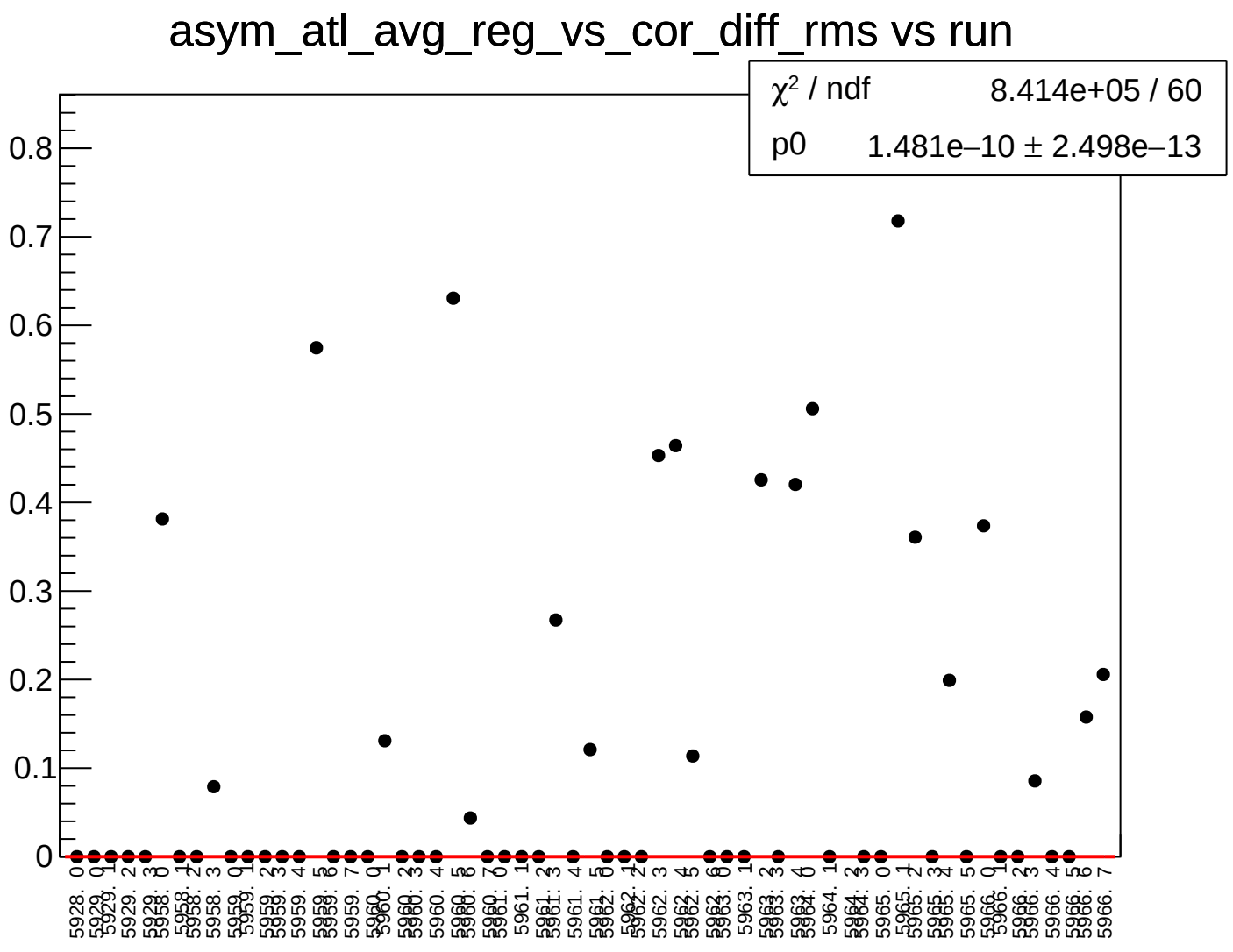

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 56.07 / 60
p0 354.5 ± 4552
100
50
0
−50
−100
−150
pull
Entries 61
Mean −475.1
Std Dev 0
2
1
0
−1
−2
−3

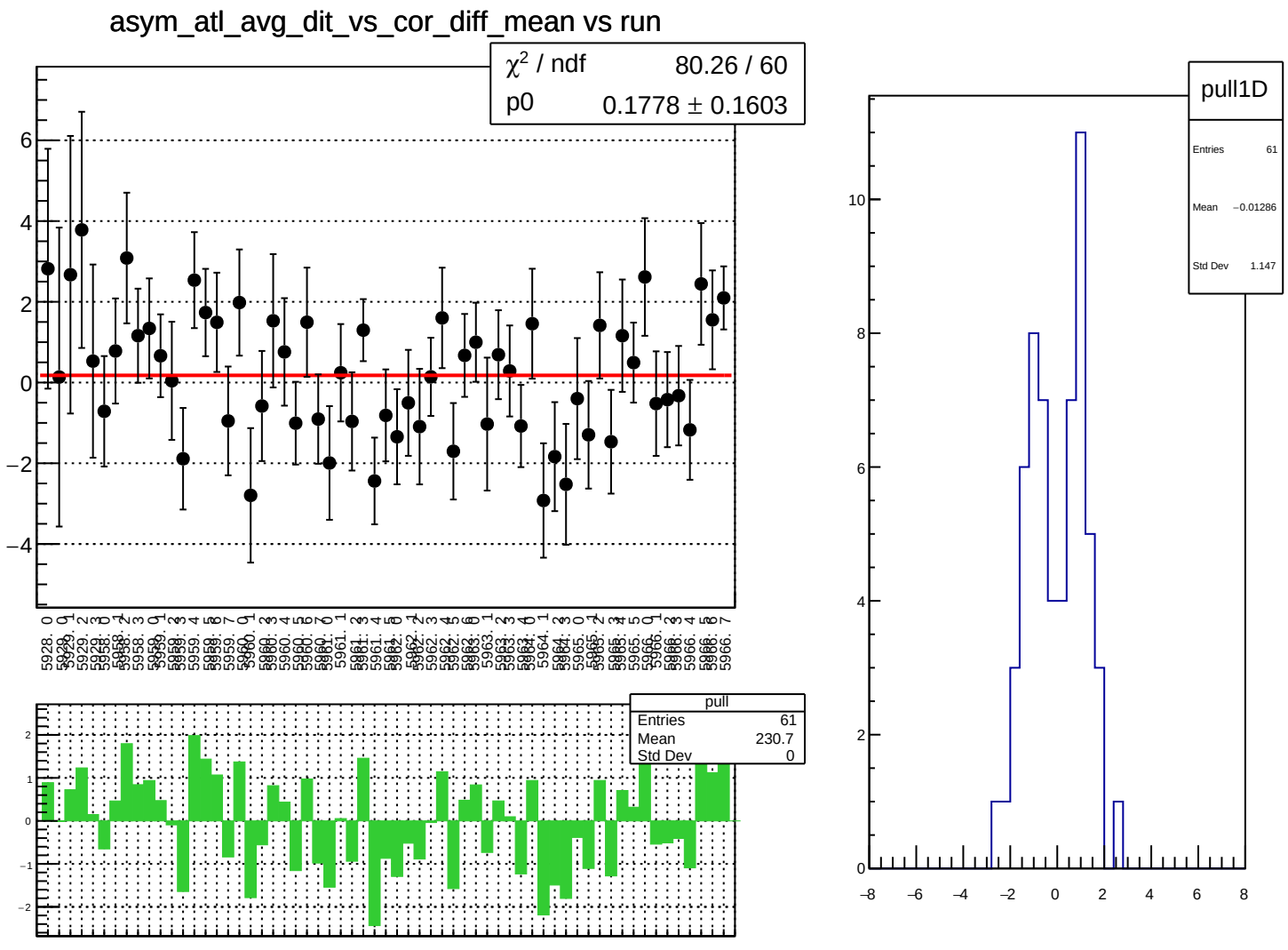

pull1D
Entries 61
Mean −0.003457
Std Dev 0.9587
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

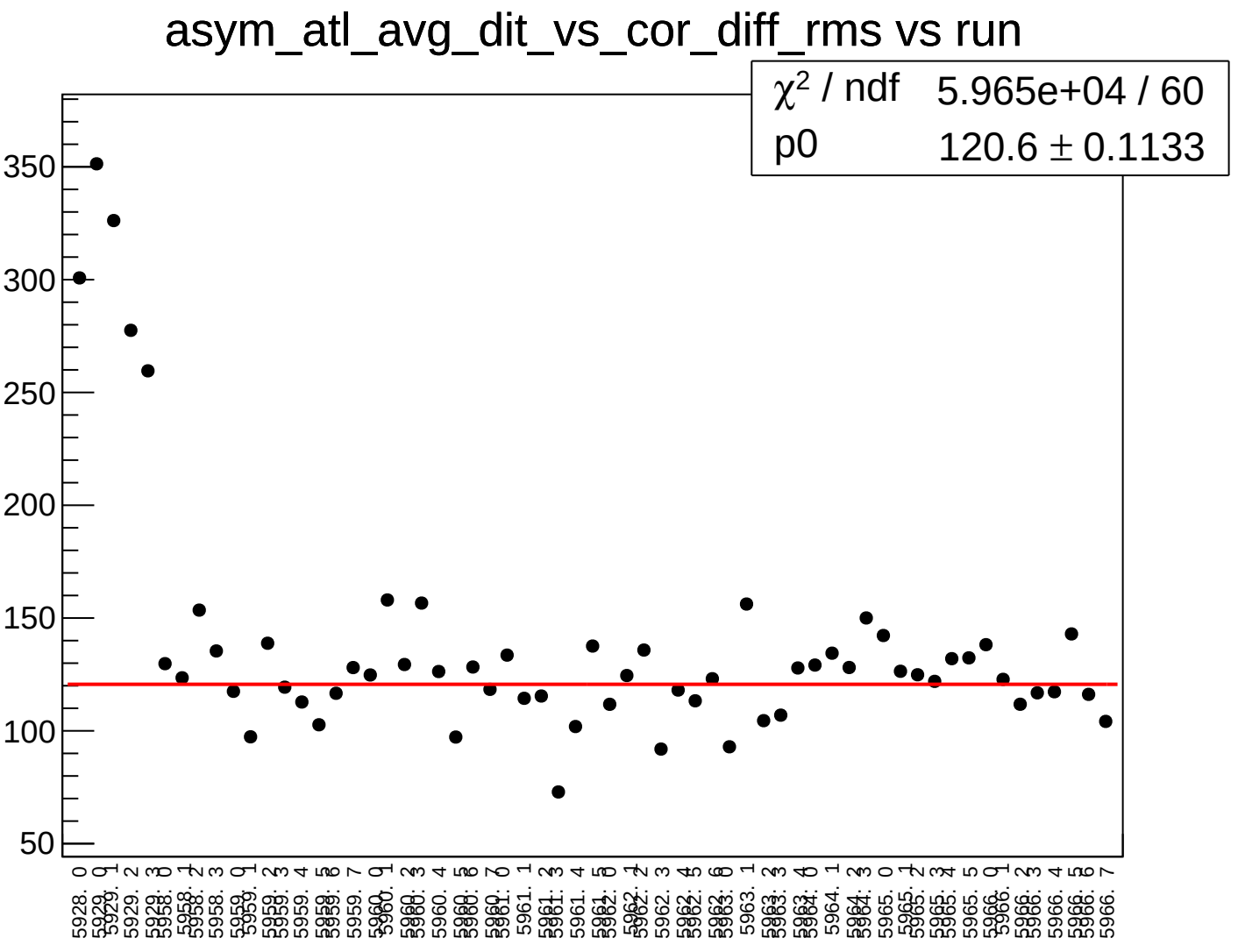

asym_atl_avg_rms vs run
χ² / ndf 1.078e+04 / 60
p0 3499 ± 3.219
5000
4500
4000
3500
3000

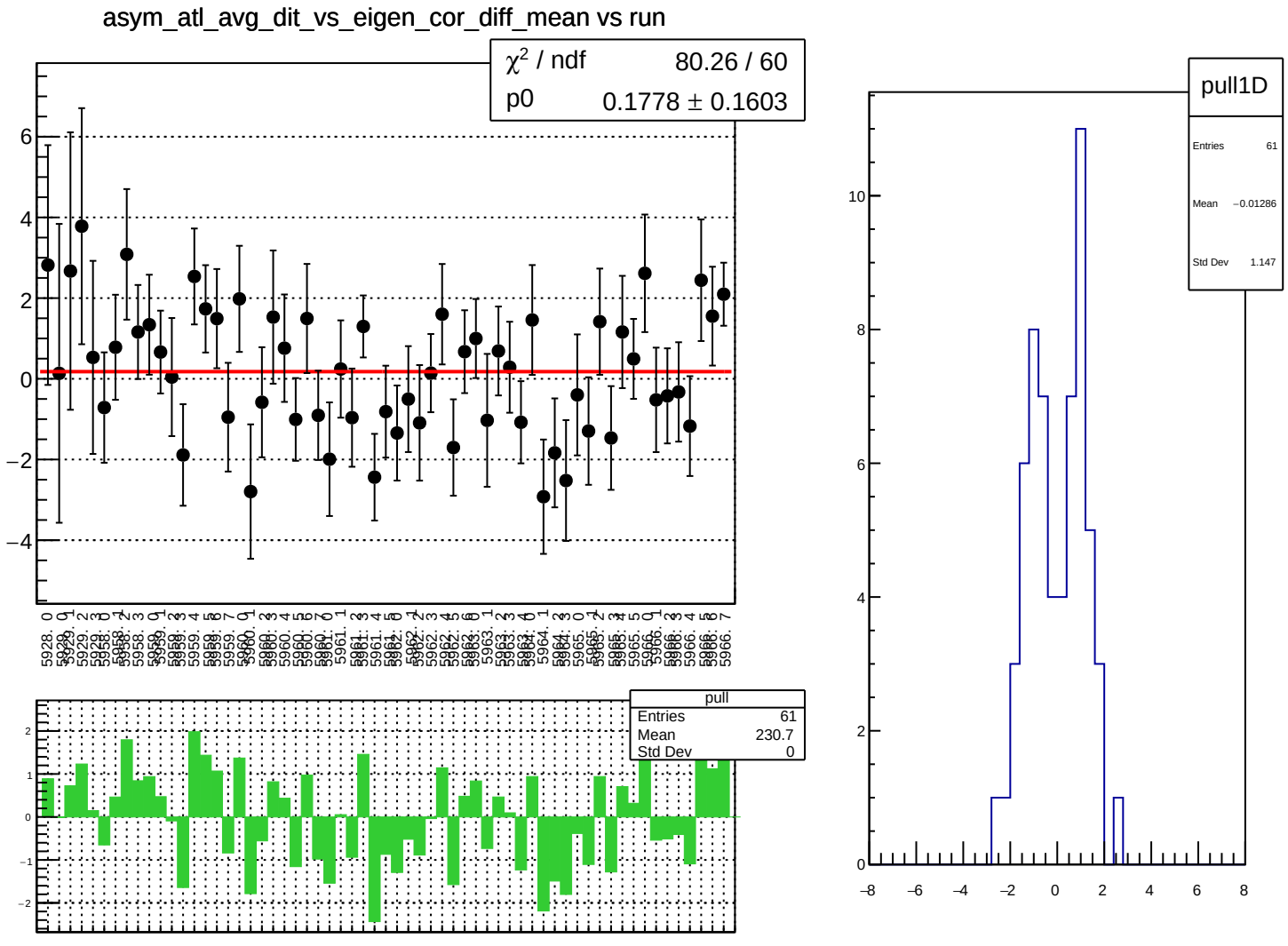

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.91 / 60
p0 1.887e−14 ± 3.532e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 61
Mean 31.03
Std Dev 6.595
2
1
0
−1
−2

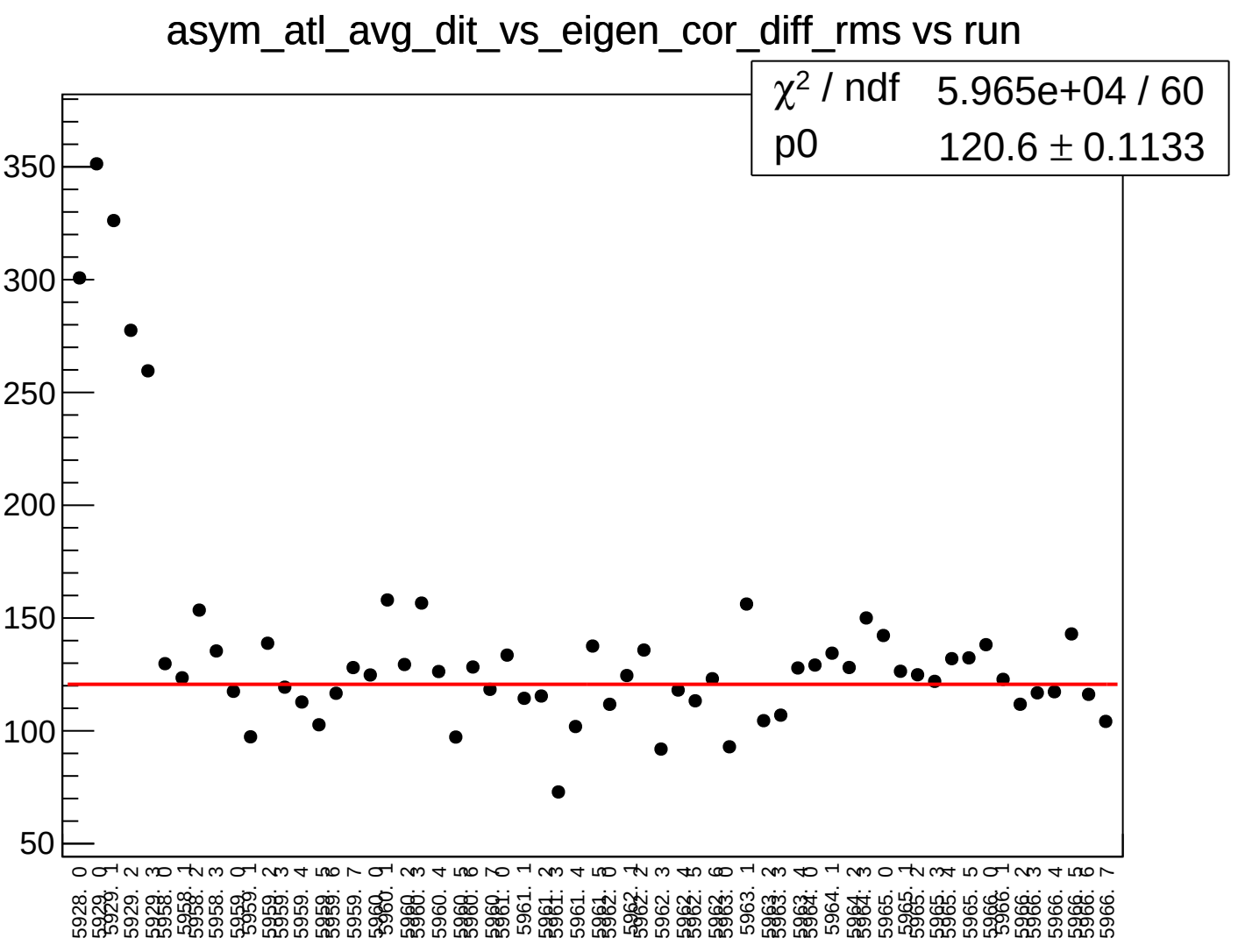

pull1D
Entries 61
Mean −0.06549
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

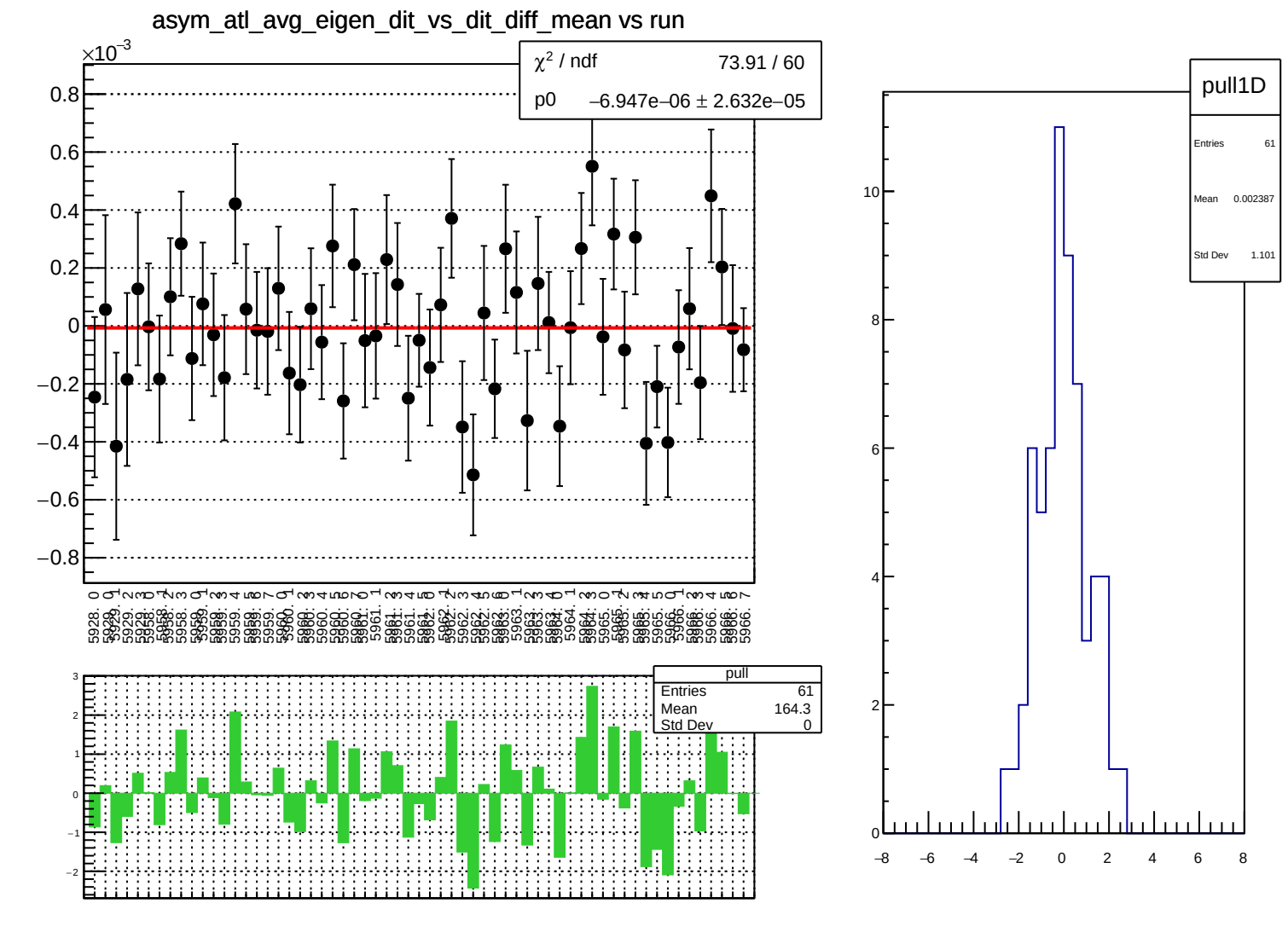

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.414e+05 / 60
p0 1.481e−10 ± 2.498e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

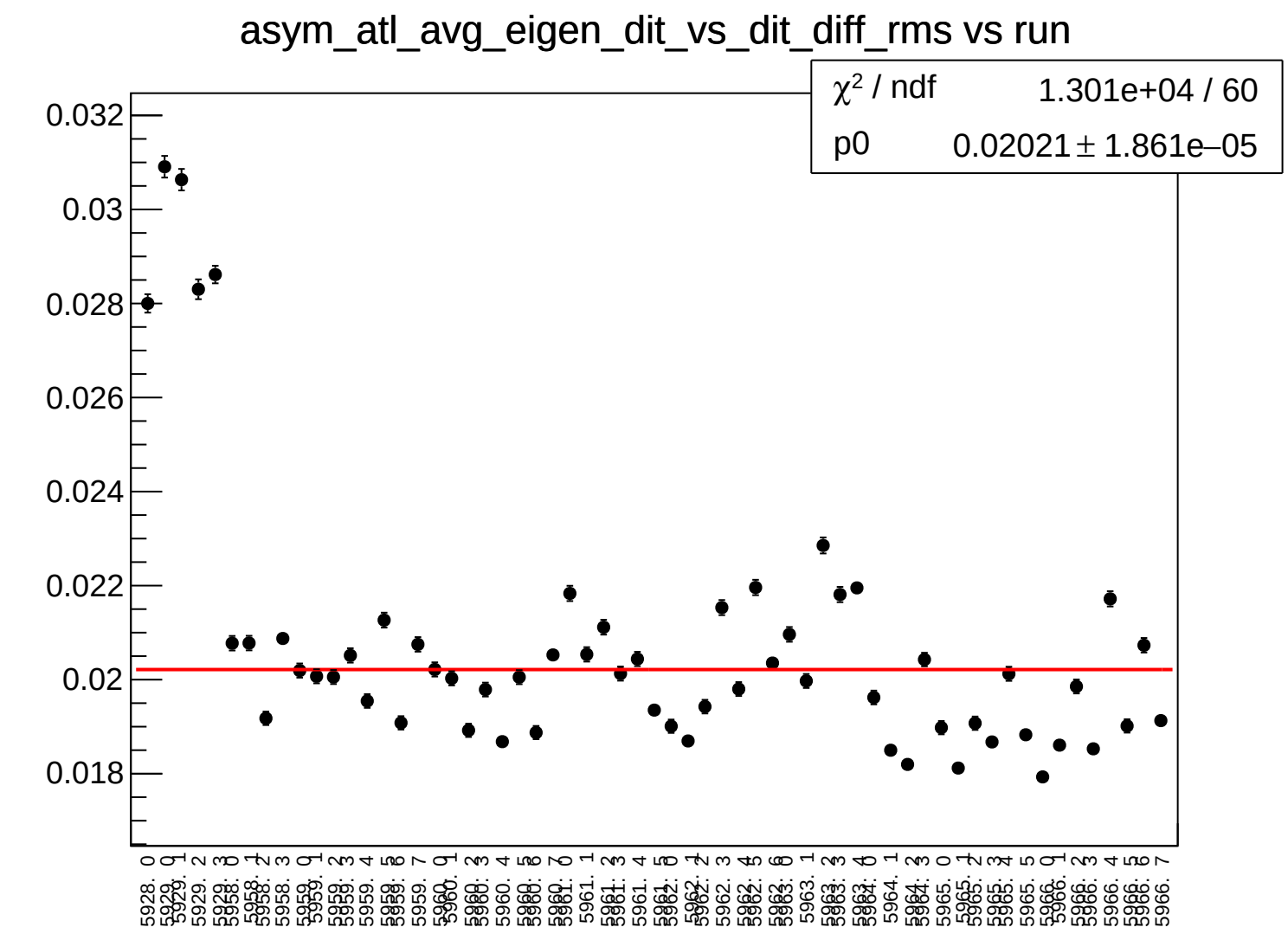

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.26 / 60
p0 0.1778 ± 0.1603
pull
Entries 61
Mean 230.7
Std Dev 0
pull1D
Entries 61
Mean −0.01286
Std Dev 1.147

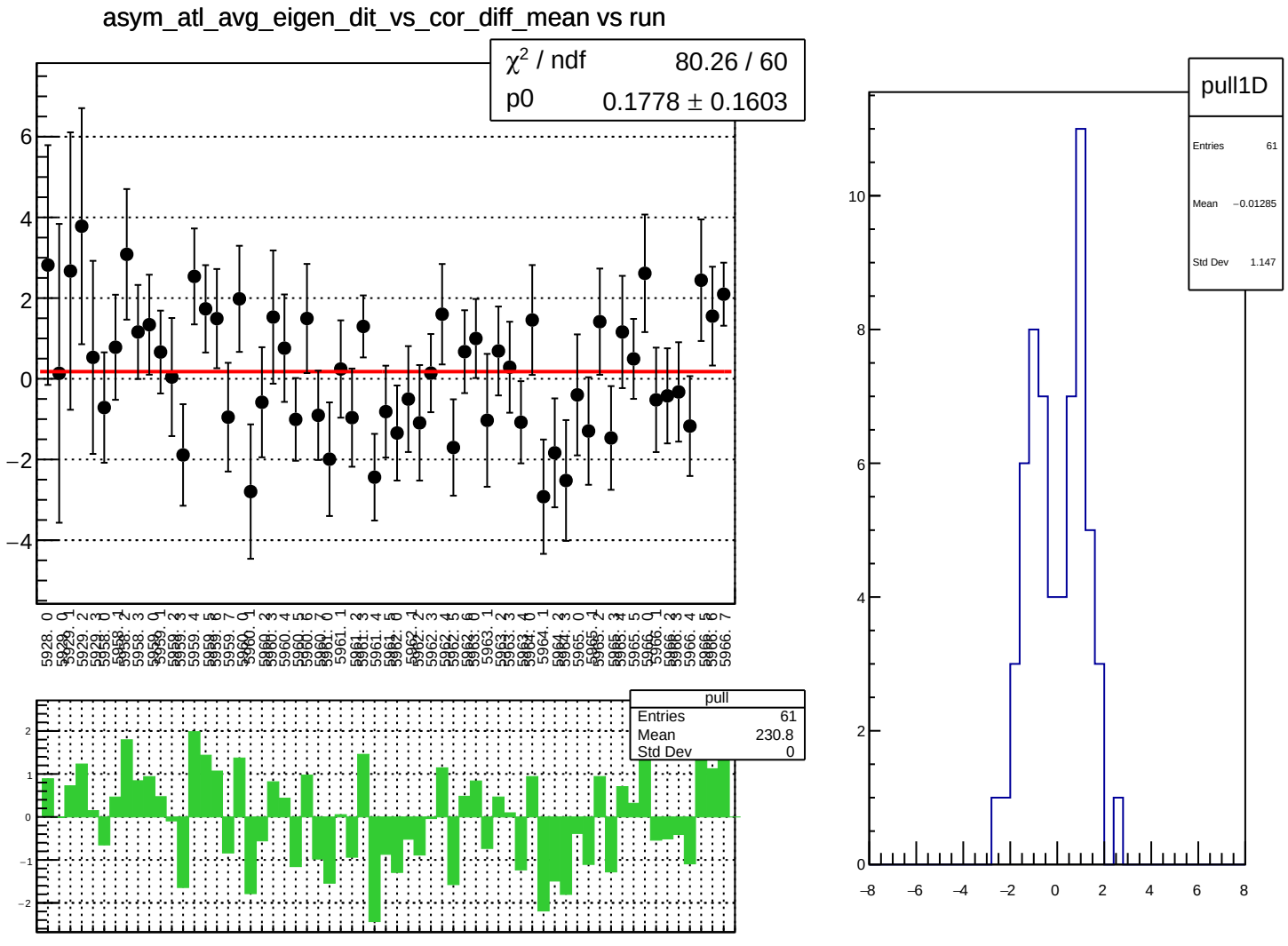

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.965e+04 / 60
p0 120.6 ± 0.1133
350
300
250
200
150
100
50

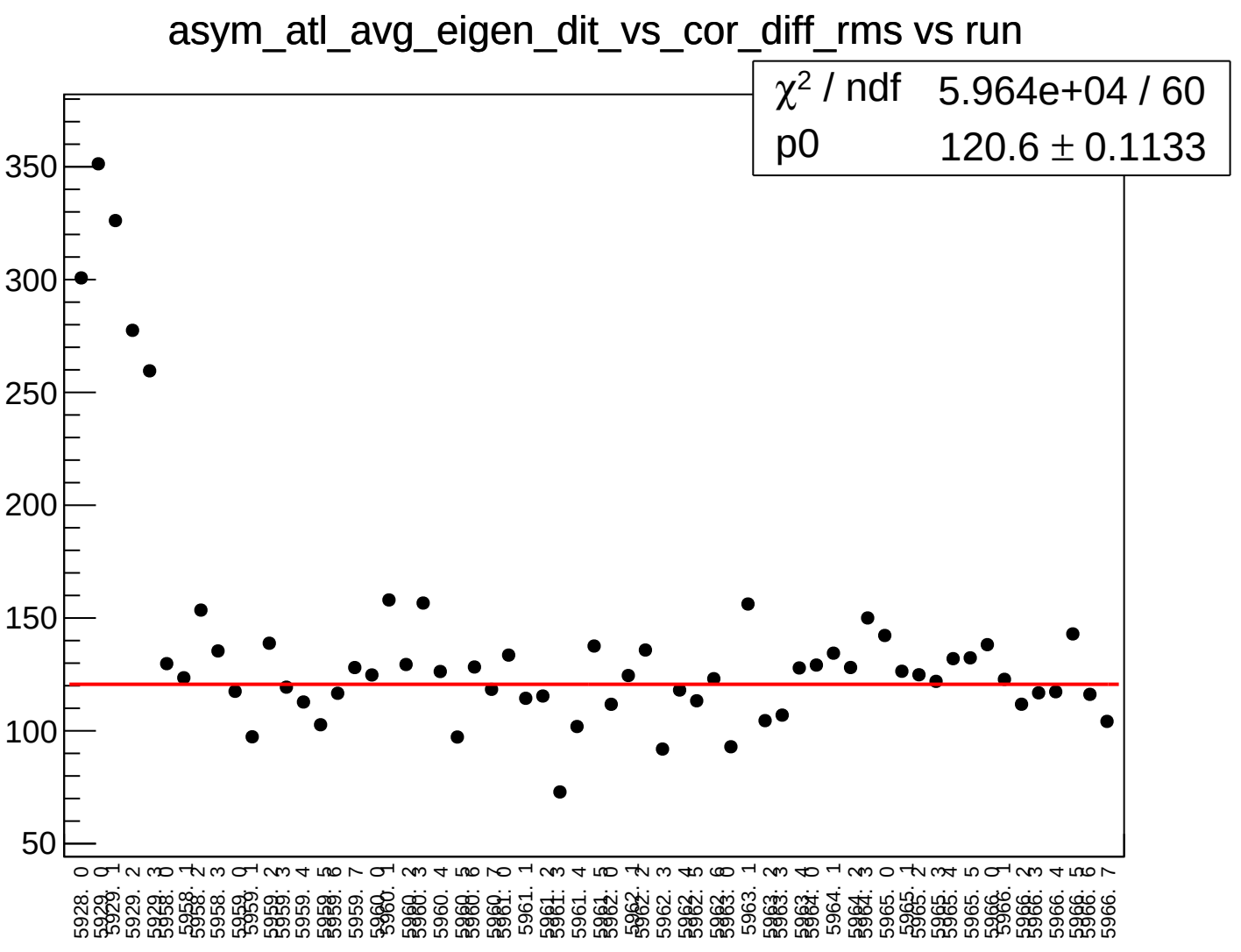

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.26 / 60
p0 0.1778 ± 0.1603
pull
Entries 61
Mean 230.7
Std Dev 0
pull1D
Entries 61
Mean −0.01286
Std Dev 1.147

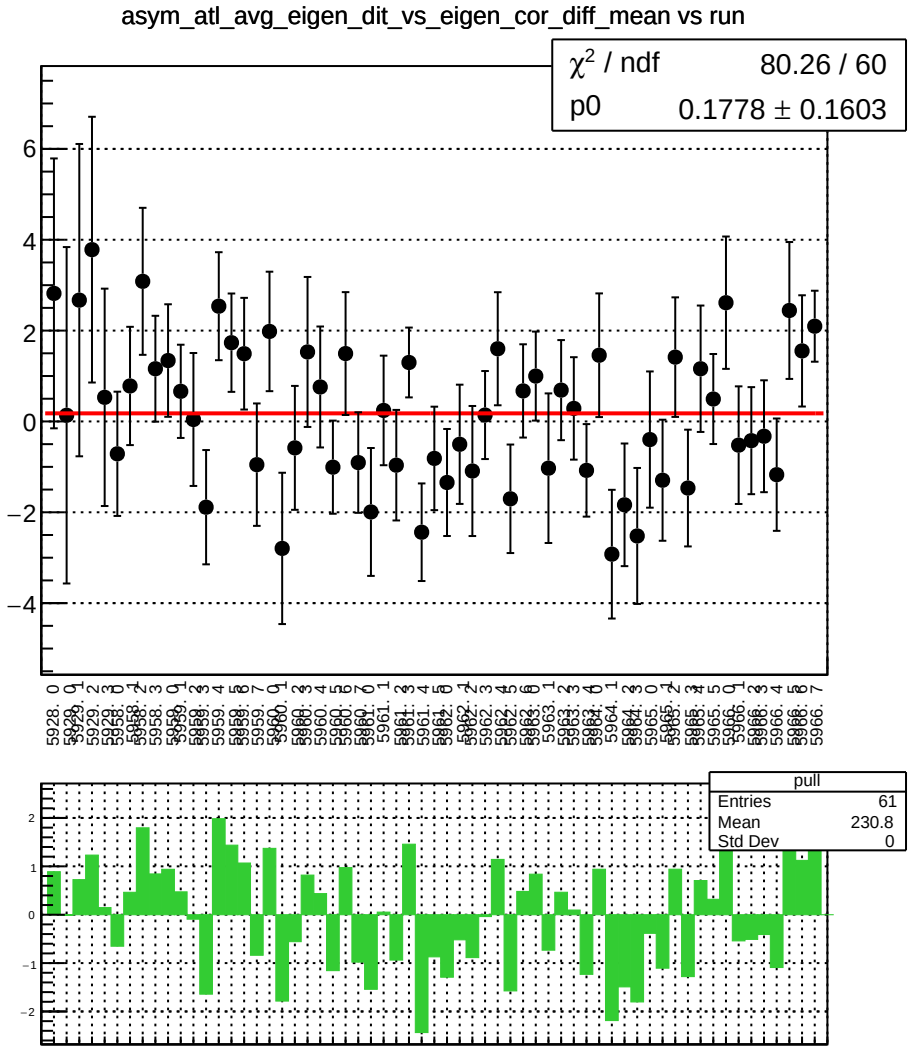

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.965e+04 / 60
p0 120.6 ± 0.1133
350
300
250
200
150
100
50

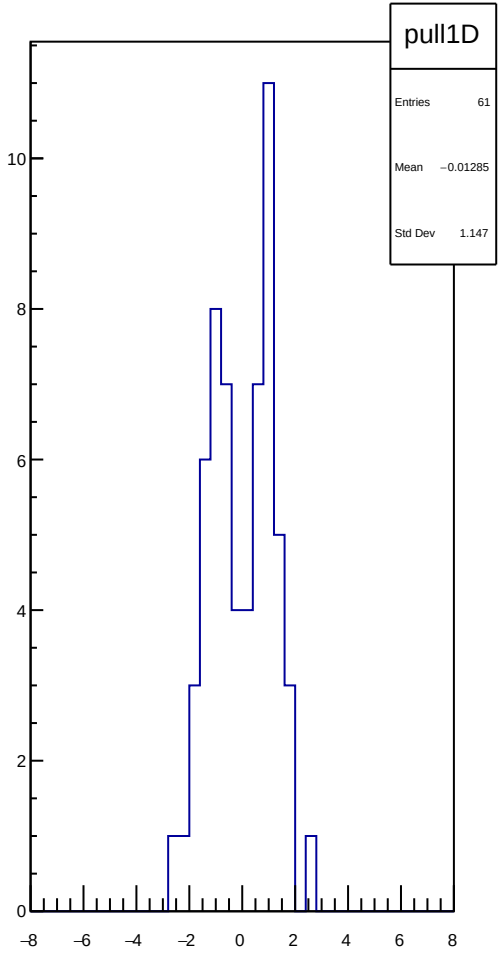

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.91 / 60
p0 −6.947e−06 ± 2.632e−05
pull
Entries 61
Mean 164.3
Std Dev 0
pull1D
Entries 61
Mean 0.002387
Std Dev 1.101

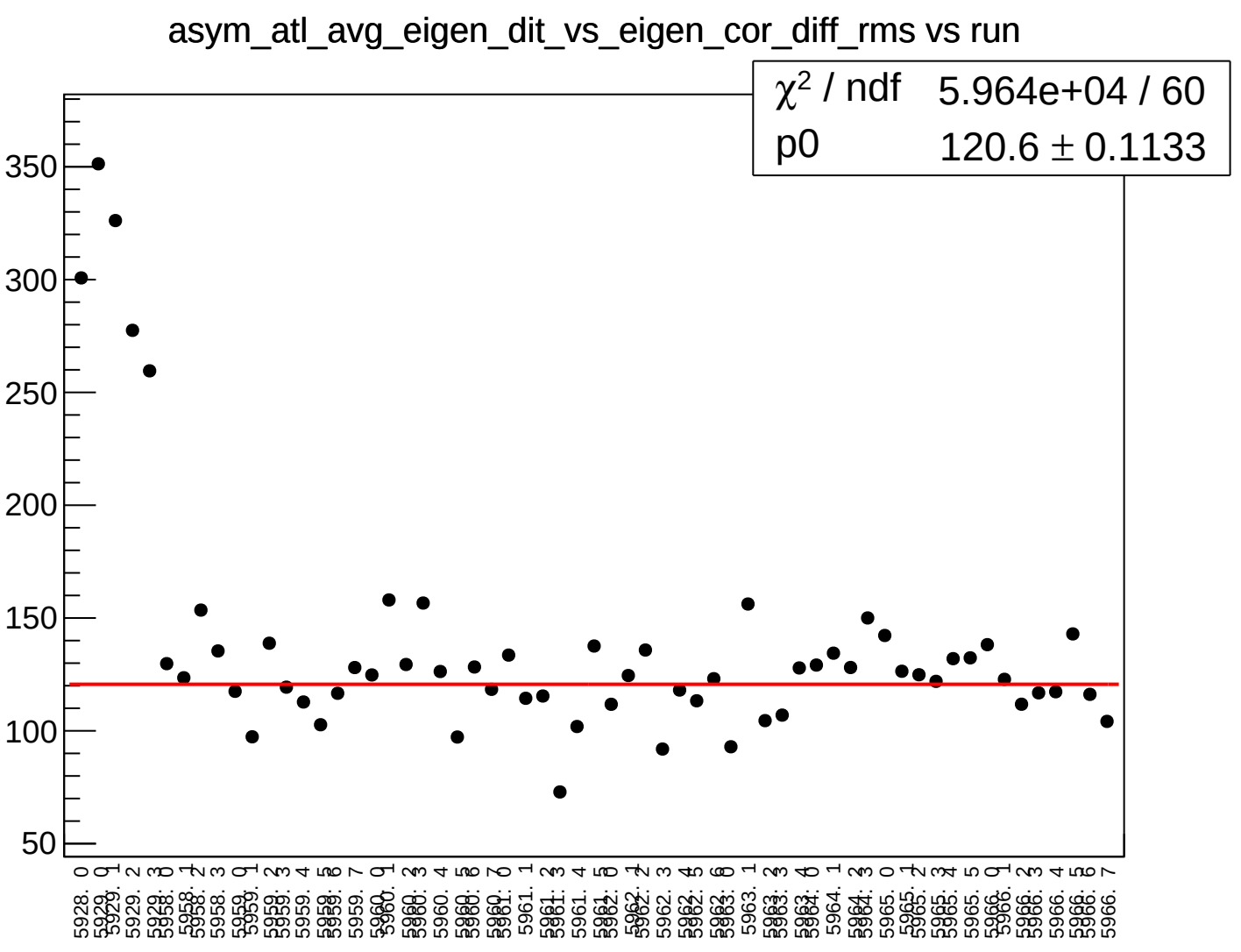

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.301e+04 / 60
p0 0.02021 ± 1.861e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018

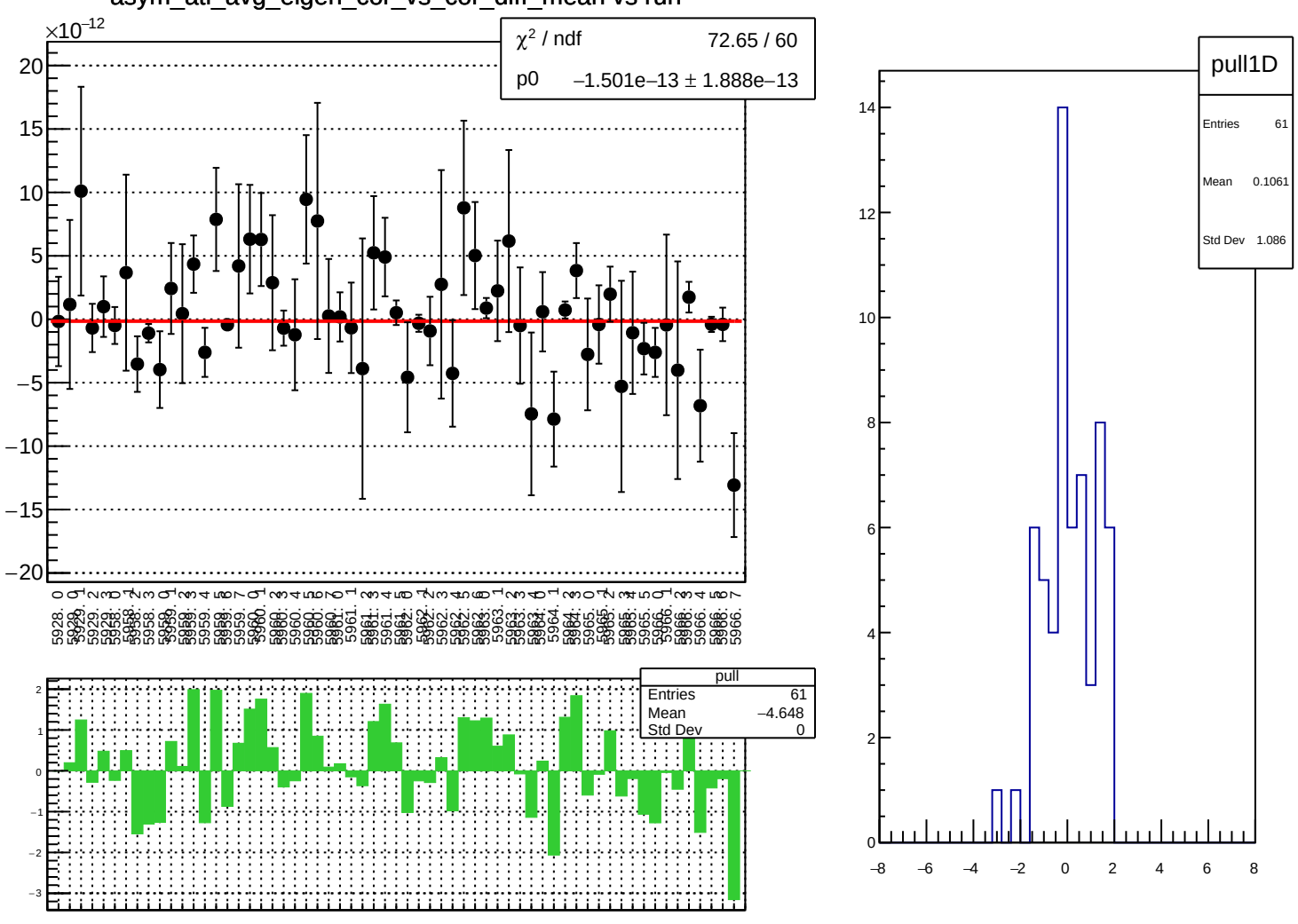

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.26 / 60
p0 0.1778 ± 0.1603
pull
Entries 61
Mean 230.8
Std Dev 0
pull1D
Entries 61
Mean −0.01285
Std Dev 1.147

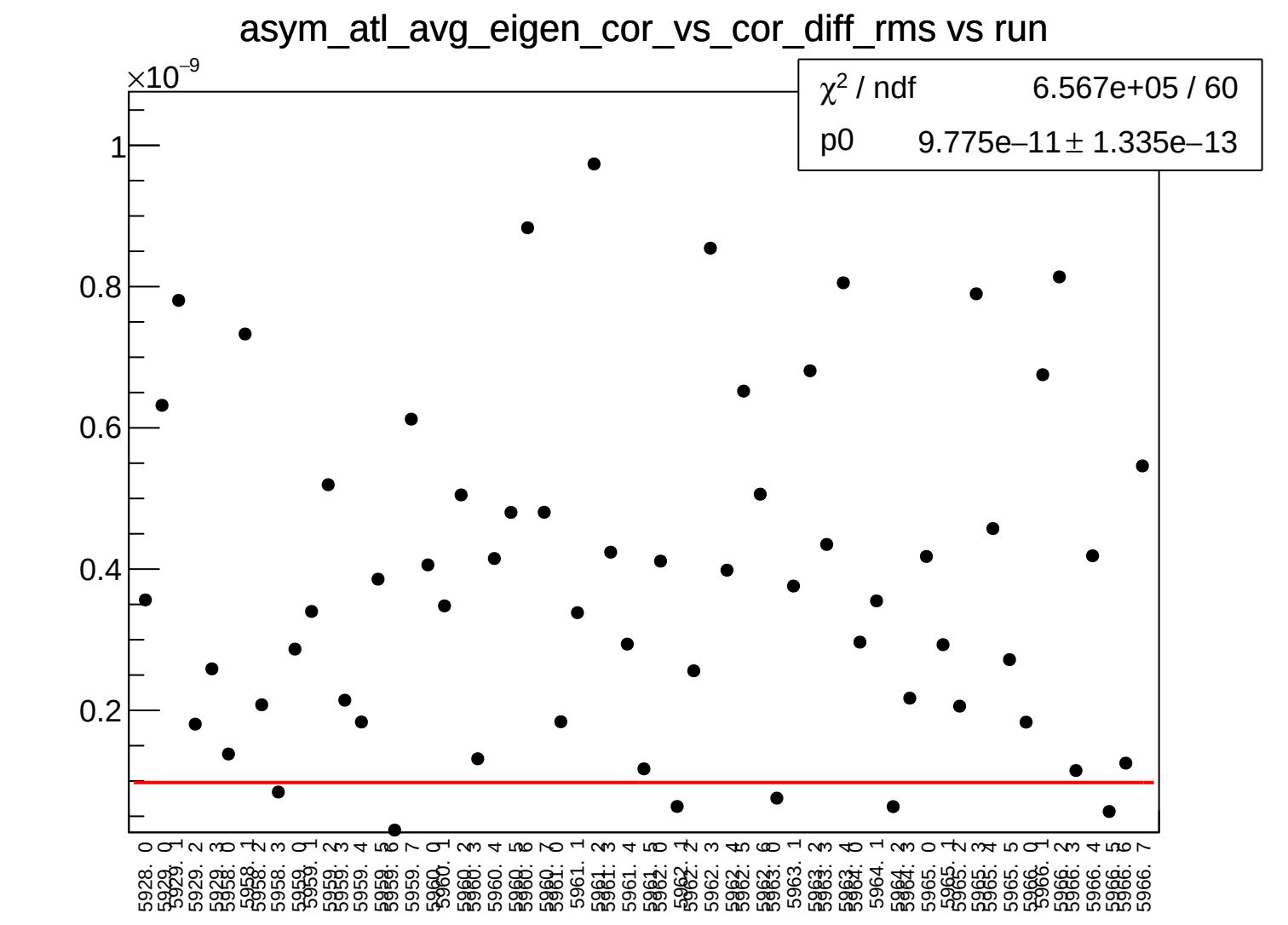

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.964e+04 / 60
p0 120.6 ± 0.1133
350
300
250
200
150
100
50

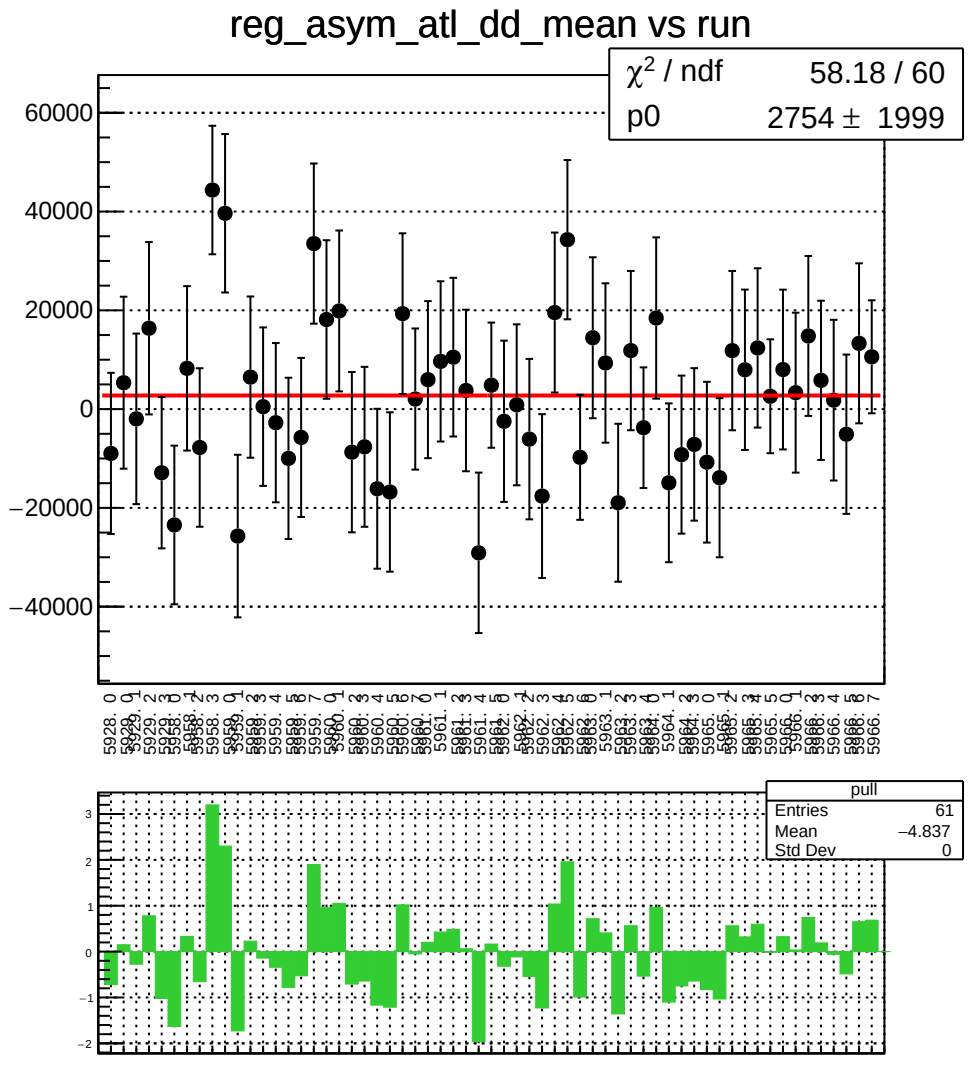

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.26 / 60
p0 0.1778 ± 0.1603
pull
Entries 61
Mean 230.8
Std Dev 0

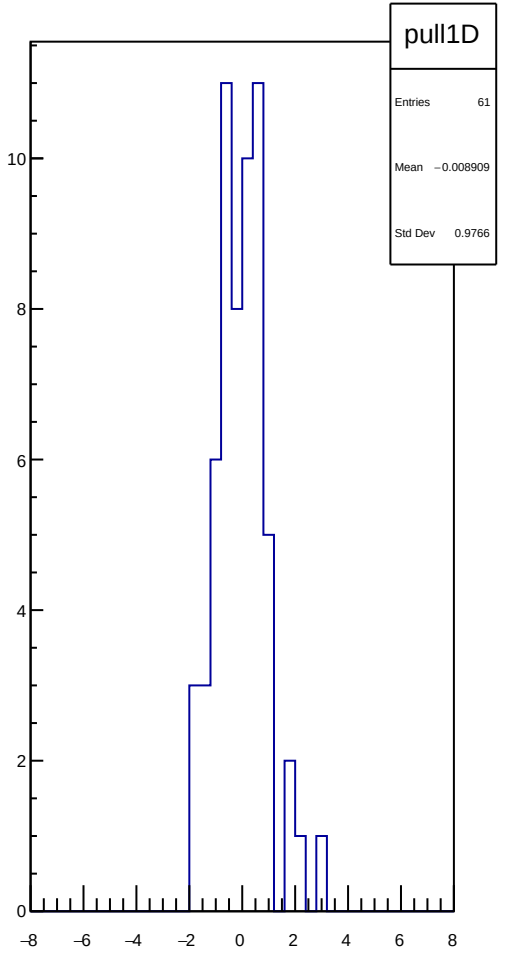

pull1D
Entries 61
Mean −0.01285
Std Dev 1.147

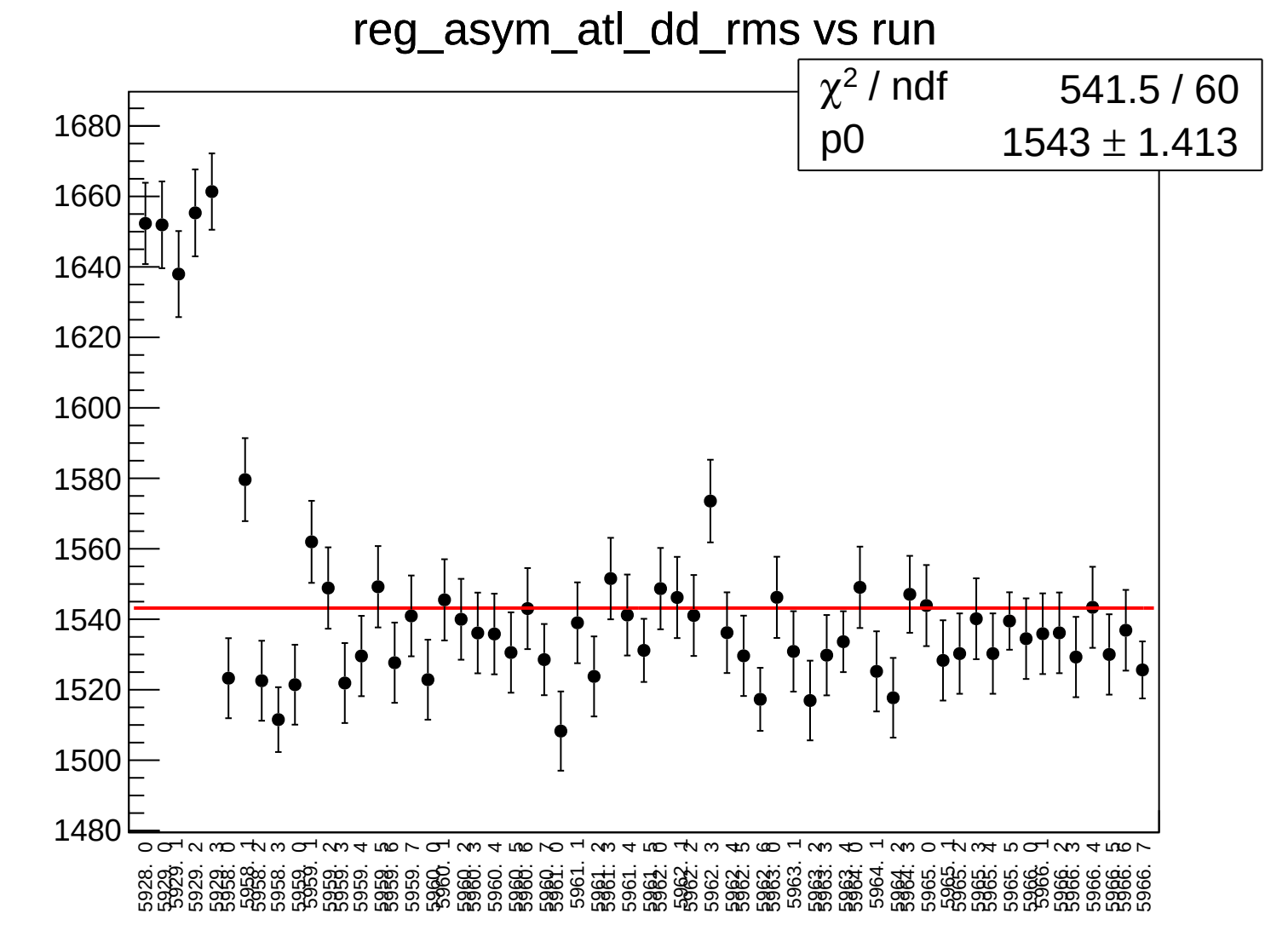

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.964e+04 / 60
p0 120.6 ± 0.1133
350
300
250
200
150
100
50

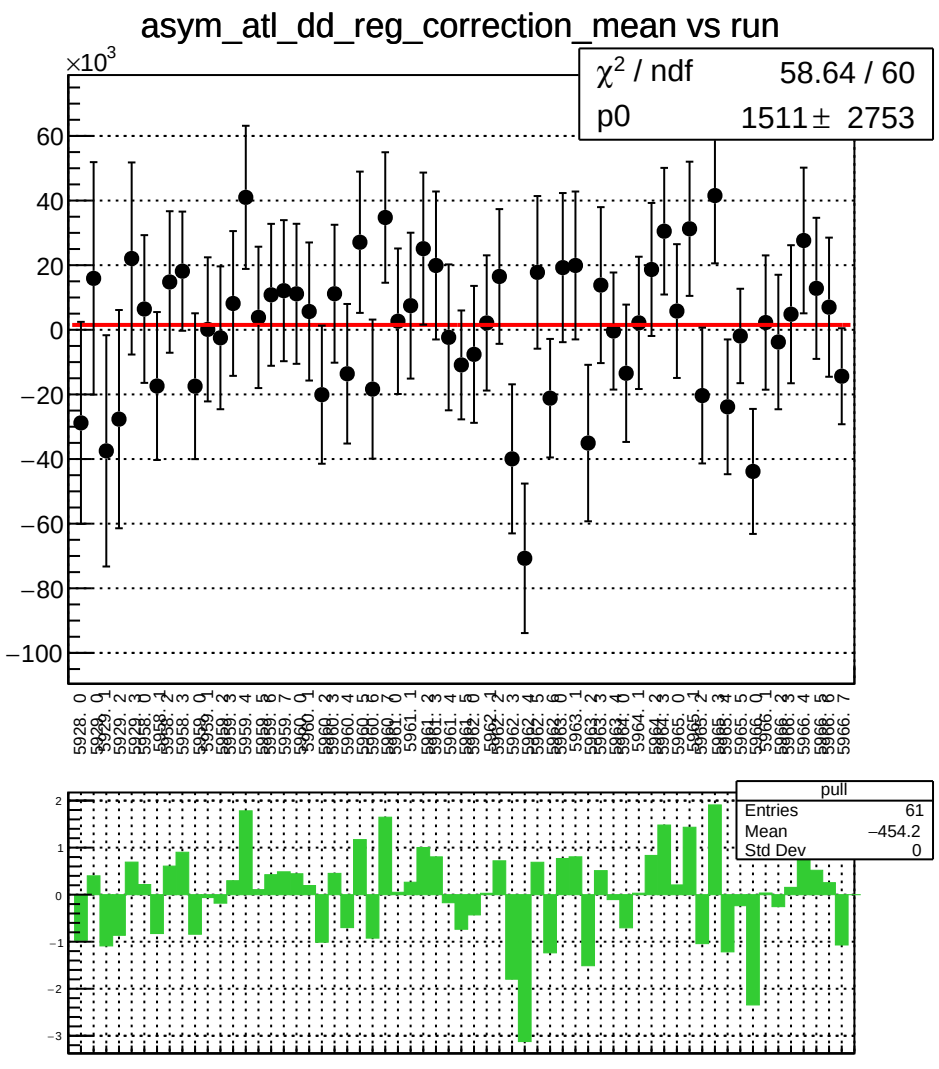

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.65 / 60
p0 −1.501e−13 ± 1.888e−13
pull
Entries 61
Mean −4.648
Std Dev 0
pull1D
Entries 61
Mean 0.1061
Std Dev 1.086

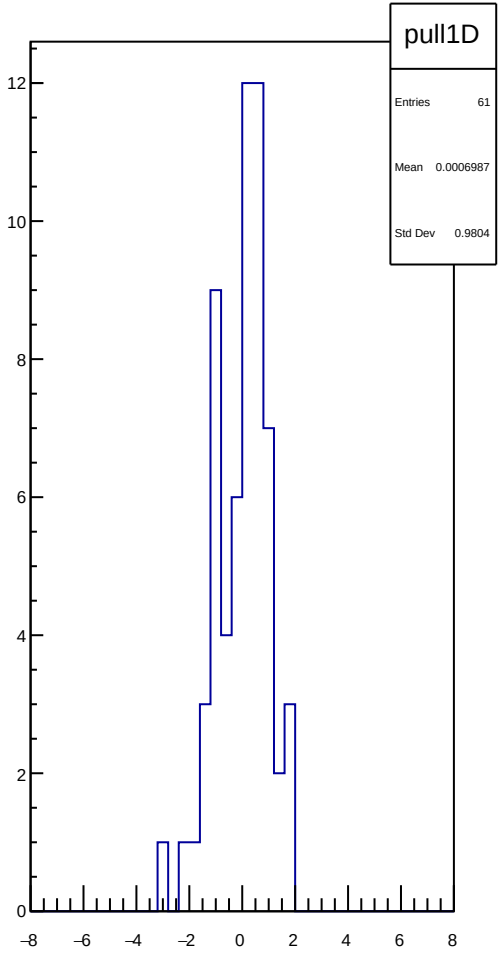

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.567e+05 / 60
p0 9.775e−11 ± 1.335e−13
1
0.8
0.6
0.4
0.2

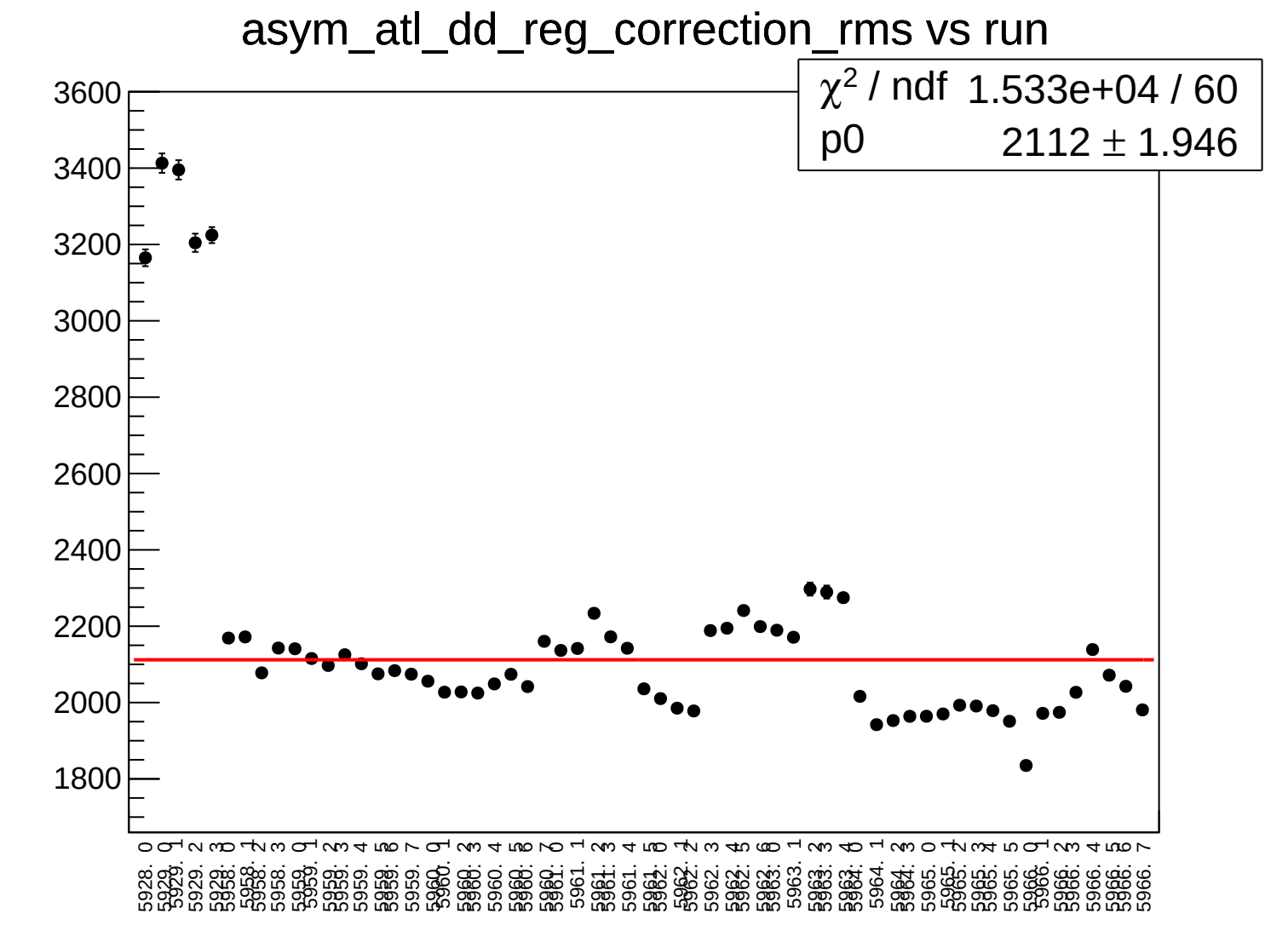

reg_asym_atl_dd_mean vs run
χ² / ndf 58.18 / 60
p0 2754 ± 1999
pull
Entries 61
Mean −4.837
Std Dev 0

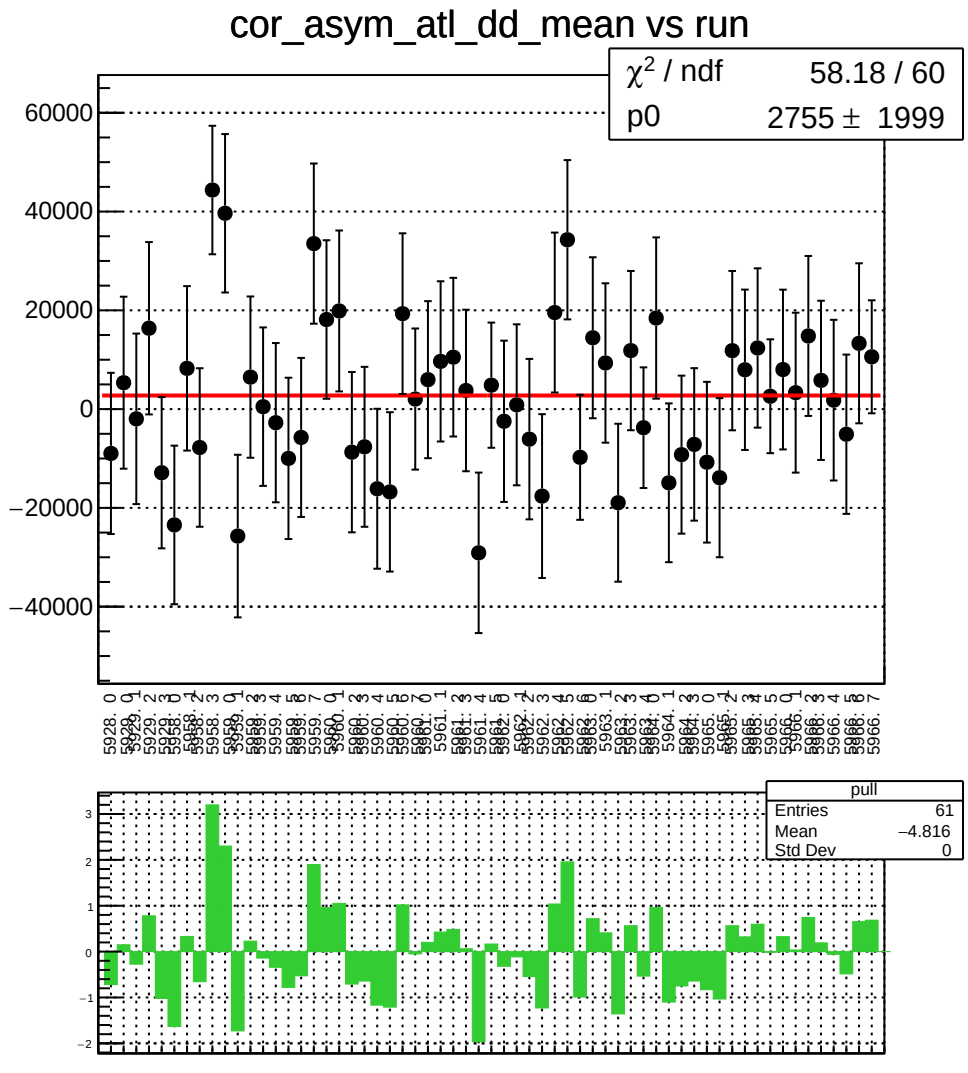

pull1D
Entries 61
Mean −0.008909
Std Dev 0.9766

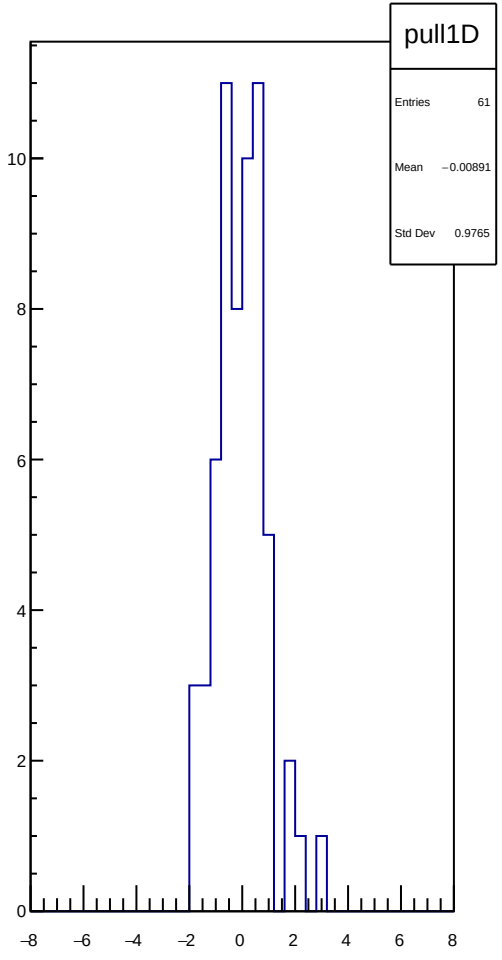

reg_asym_atl_dd_rms vs run
χ^2 / ndf 541.5 / 60
p0 1543 ± 1.413
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480

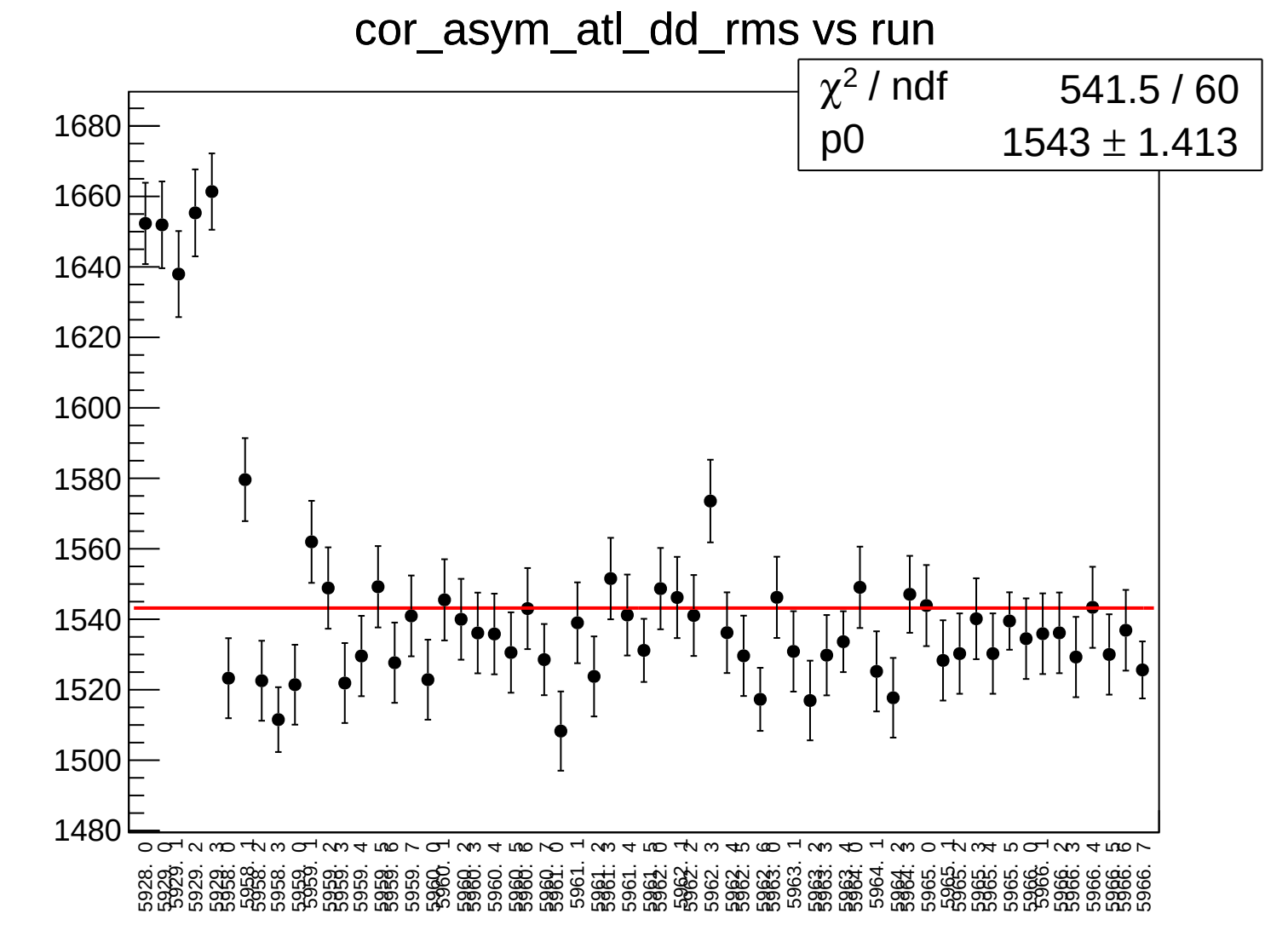

asym_atl_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 58.64 / 60
p0 1511 ± 2753
pull
Entries 61
Mean −454.2
Std Dev 0

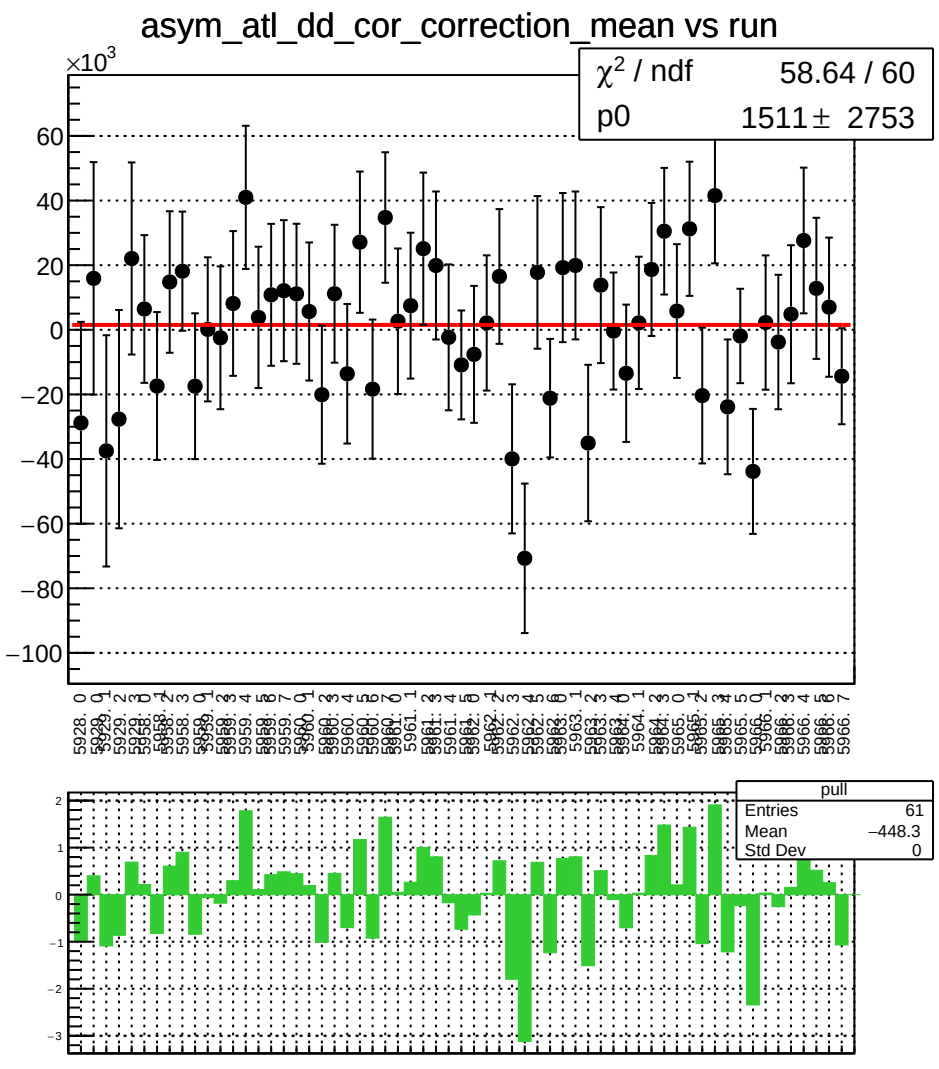

pull1D
Entries 61
Mean 0.0006987
Std Dev 0.9804

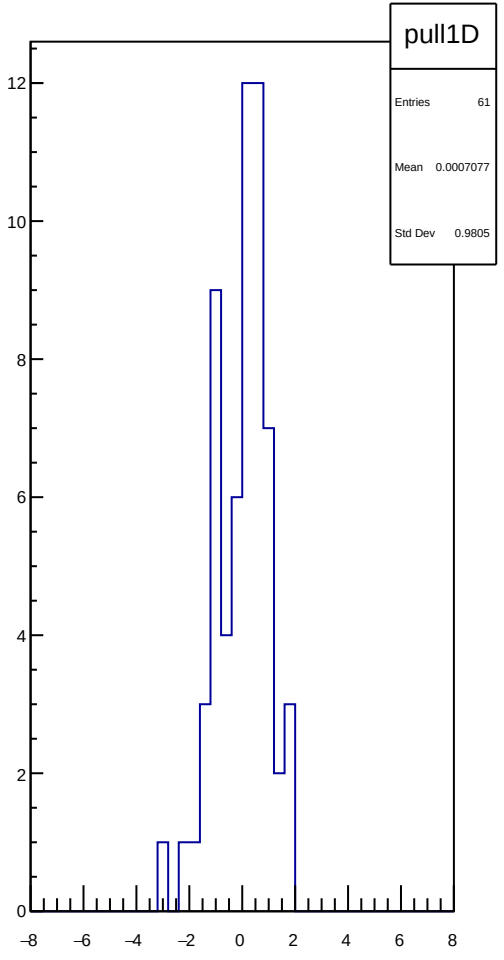

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1.533e+04 / 60
p0 2112 ± 1.946
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

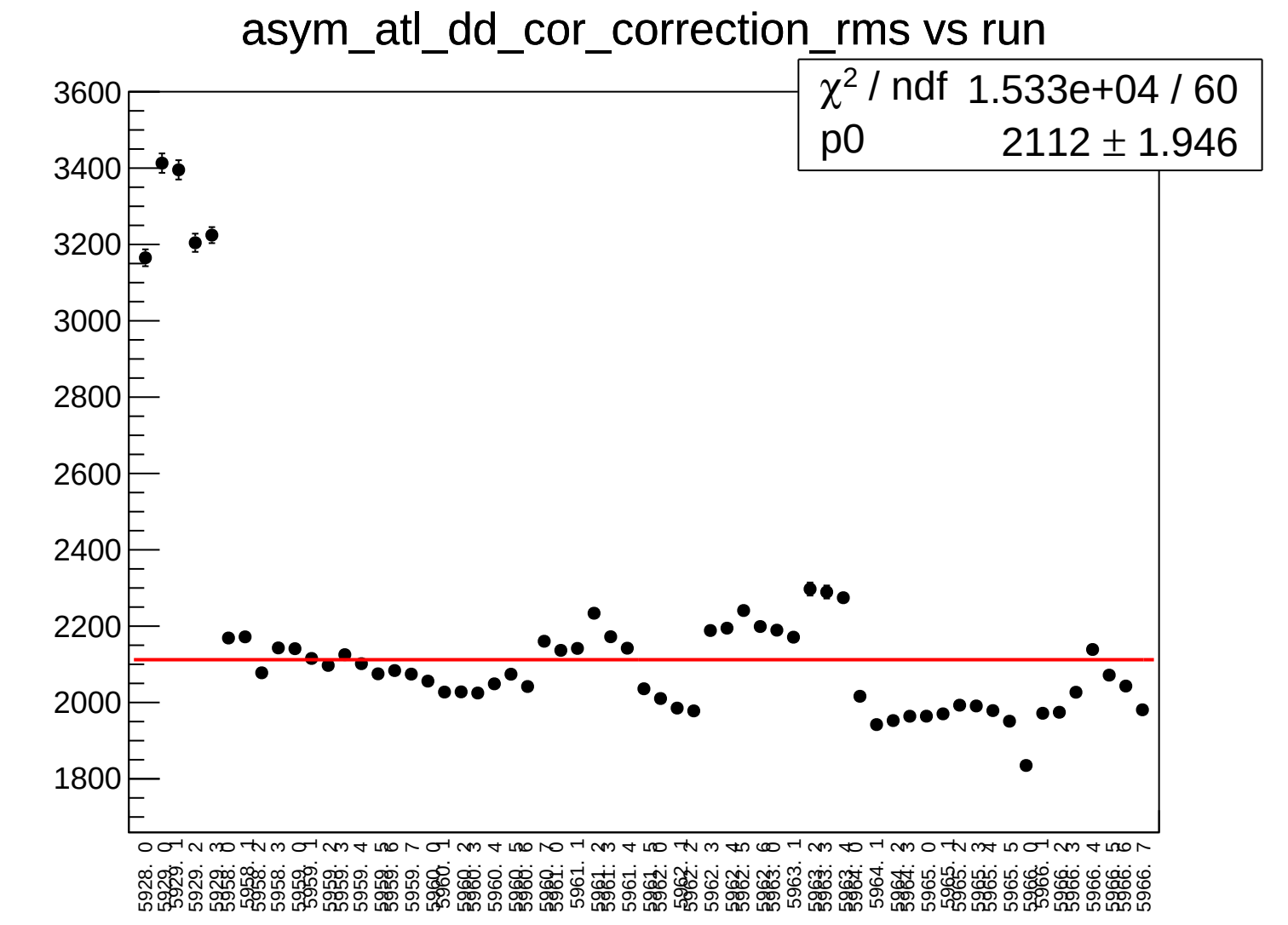

cor_asym_atl_dd_mean vs run
χ² / ndf 58.18 / 60
p0 2755 ± 1999
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −4.816
Std Dev 0
3
2
1
0
−1
−2

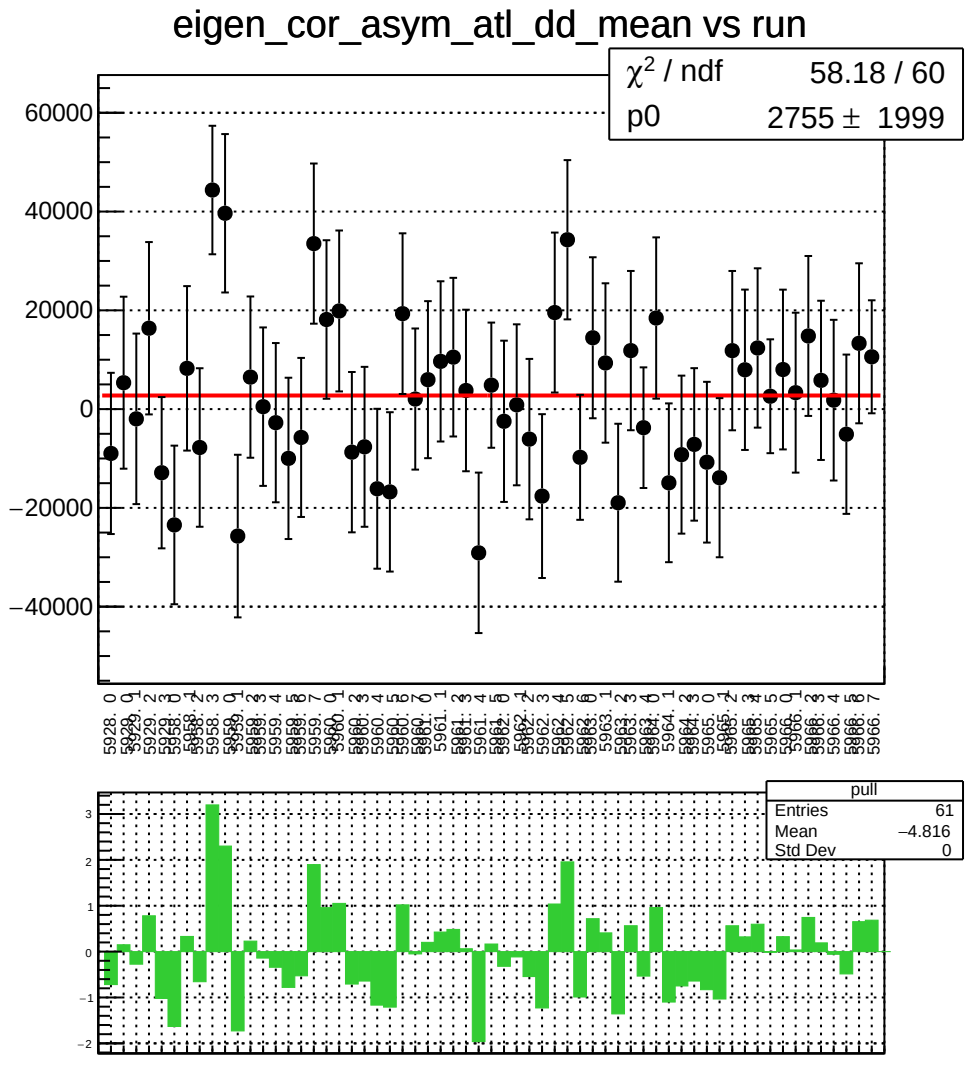

pull1D
Entries 61
Mean −0.00891
Std Dev 0.9765
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

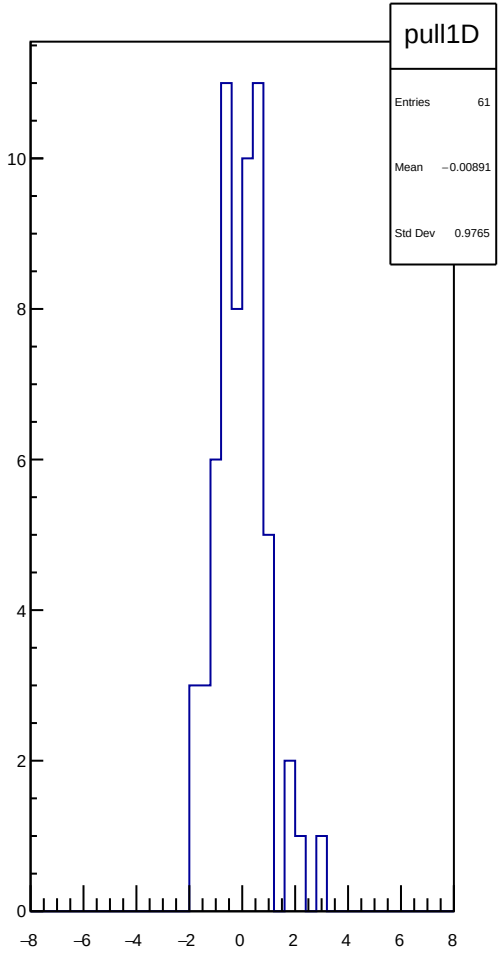

cor_asym_atl_dd_rms vs run
χ^2 / ndf 541.5 / 60
p0 1543 ± 1.413
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480

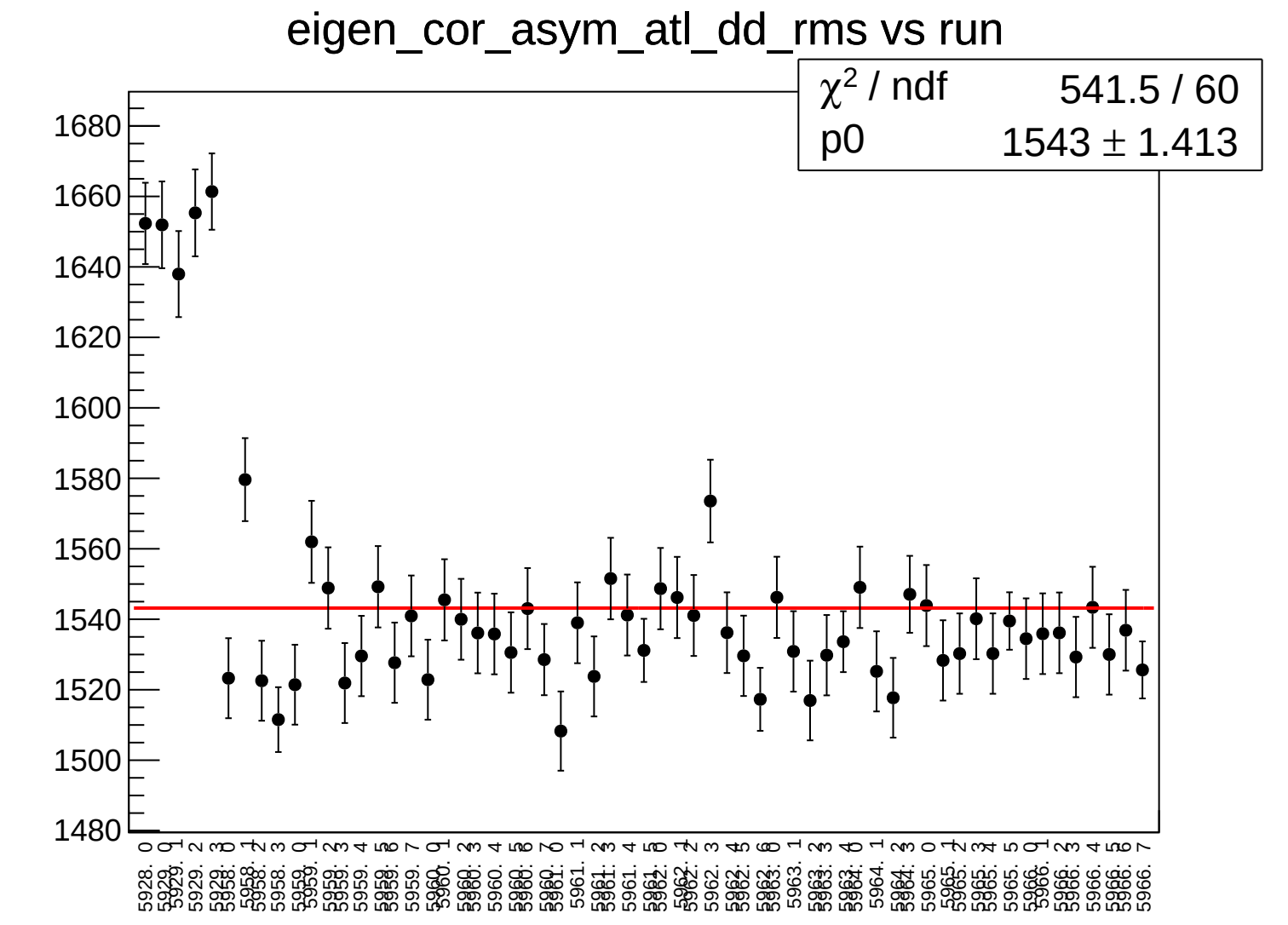

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 58.64 / 60
p0 1511 ± 2753
×10³
pull
Entries 61
Mean −448.3
Std Dev 0

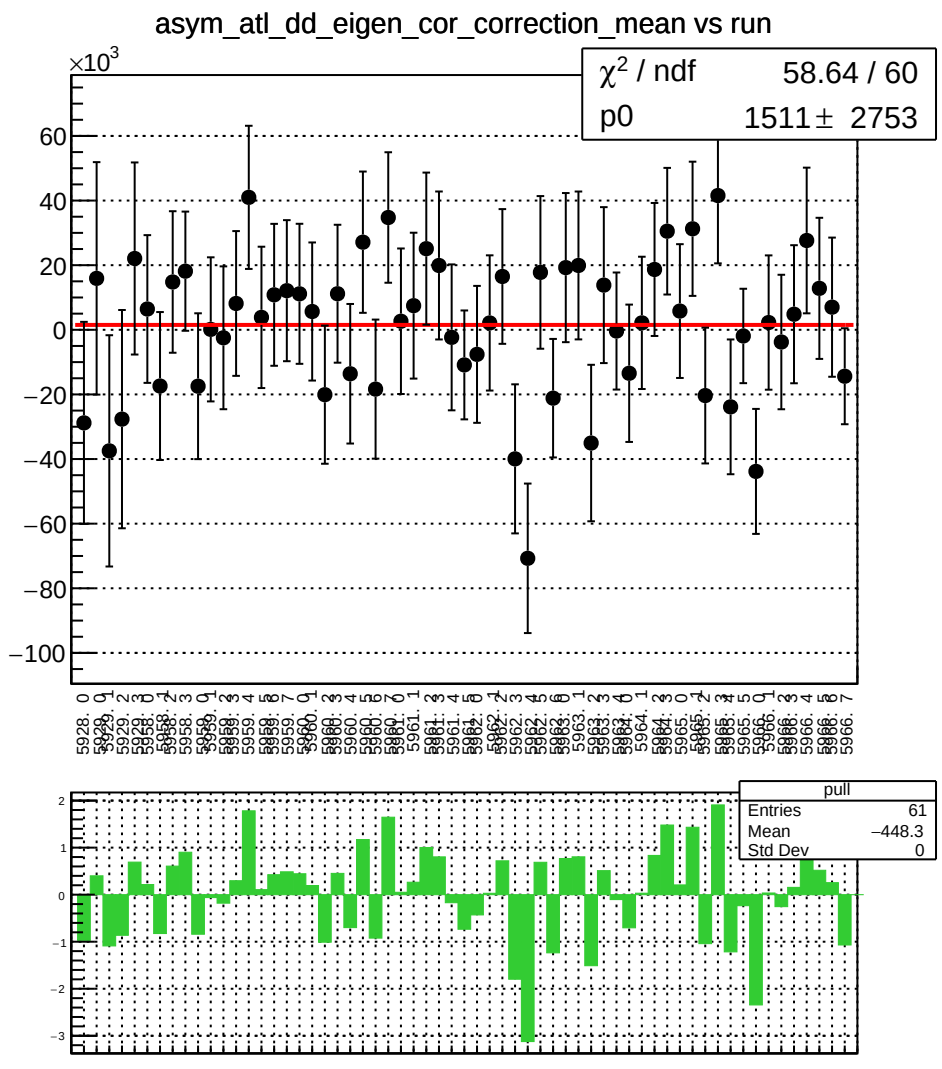

pull1D
Entries 61
Mean 0.0007077
Std Dev 0.9805

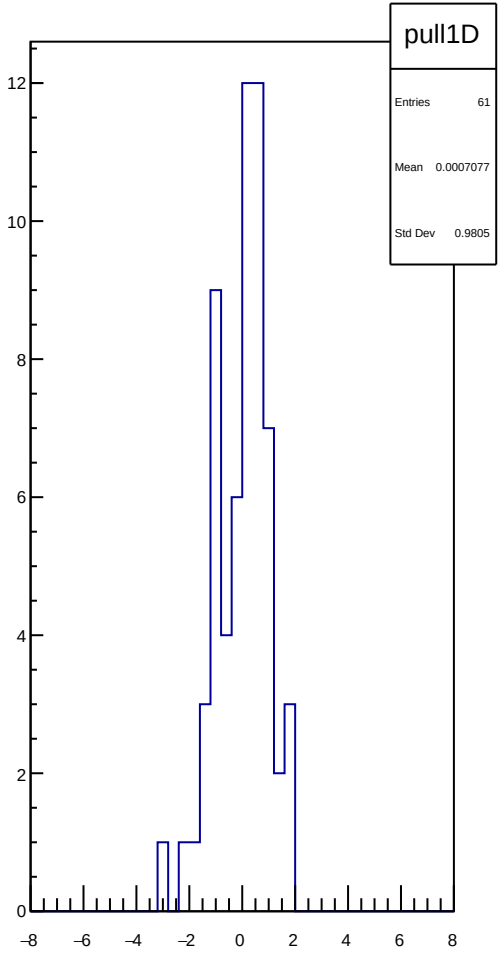

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1.533e+04 / 60
p0 2112 ± 1.946
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

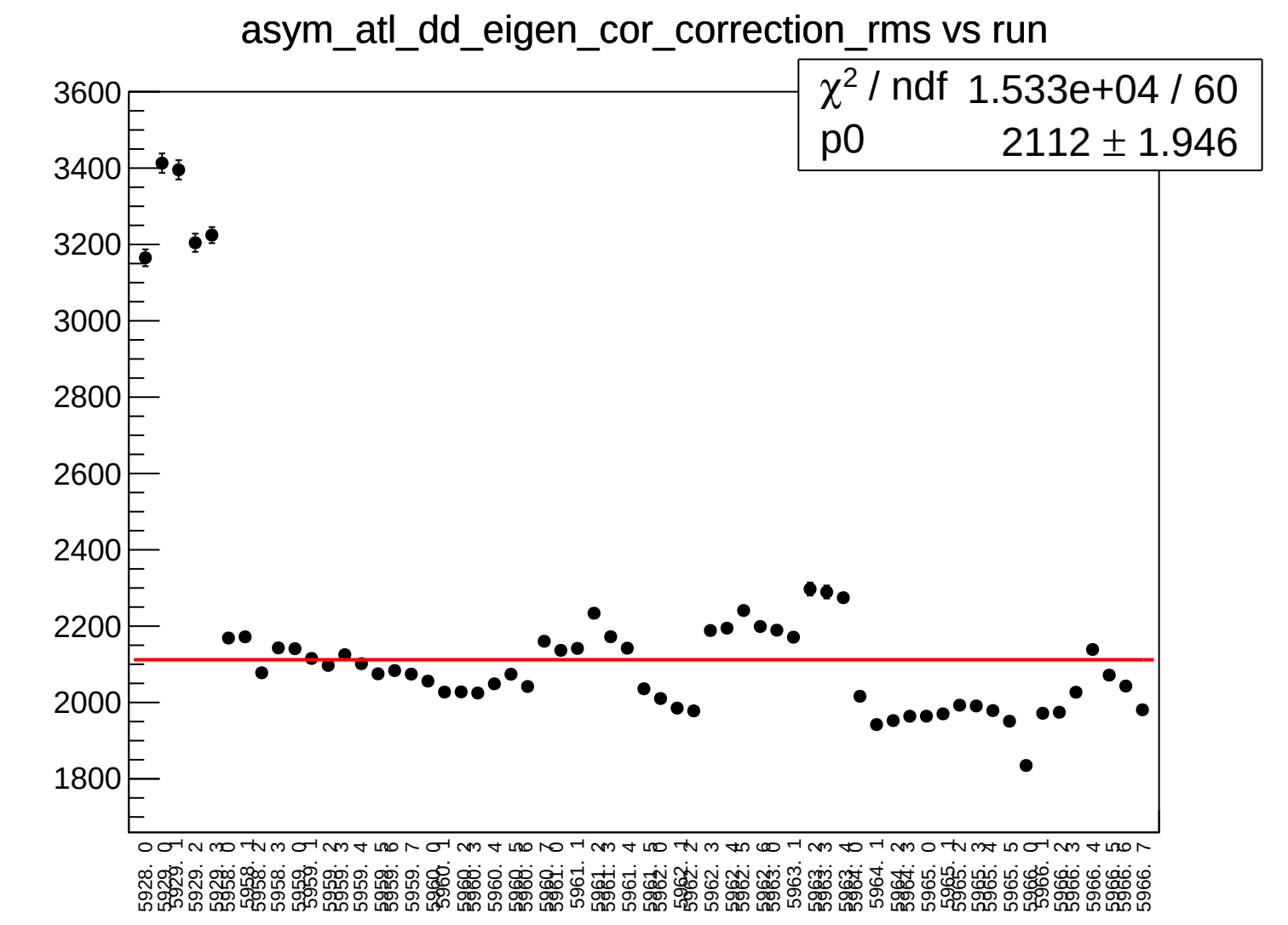

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 58.18 / 60
p0 2755 ± 1999
pull
Entries 61
Mean −4.816
Std Dev 0

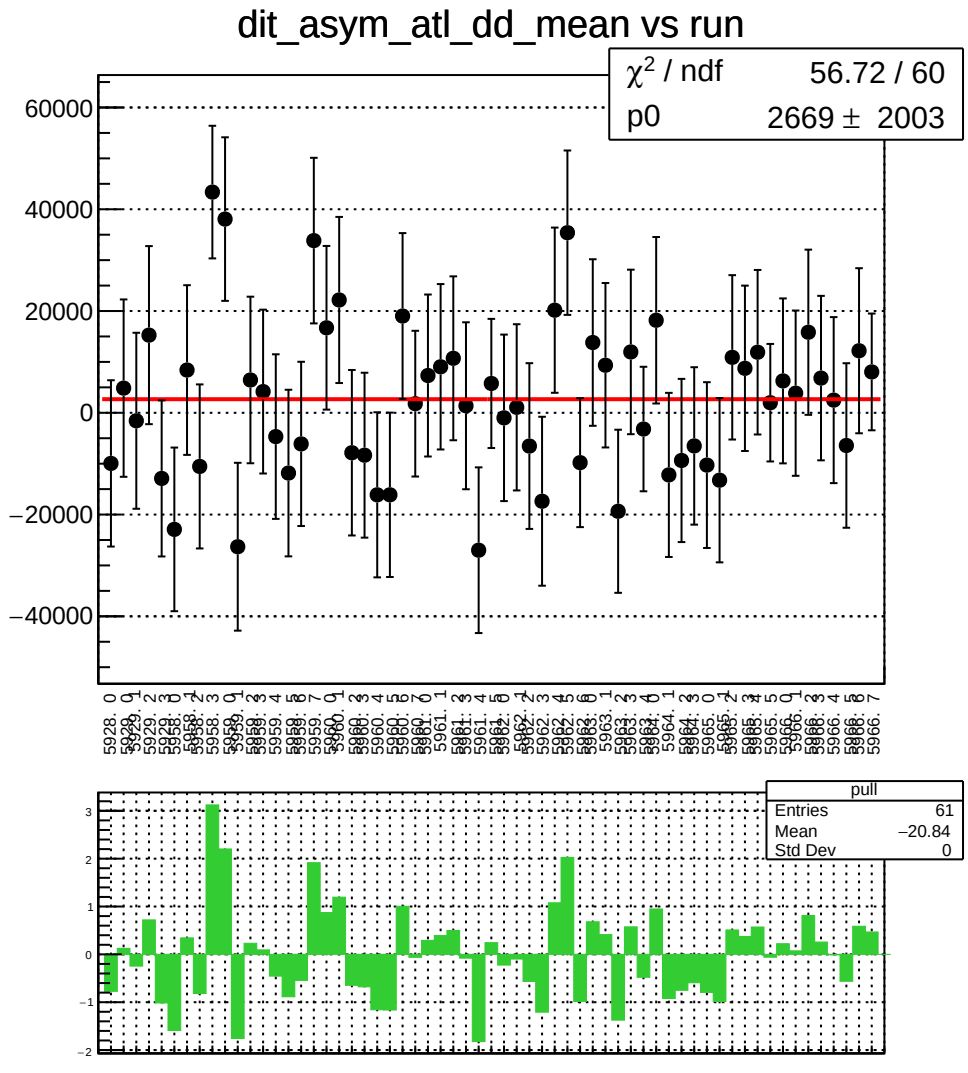

pull1D
Entries 61
Mean −0.00891
Std Dev 0.9765

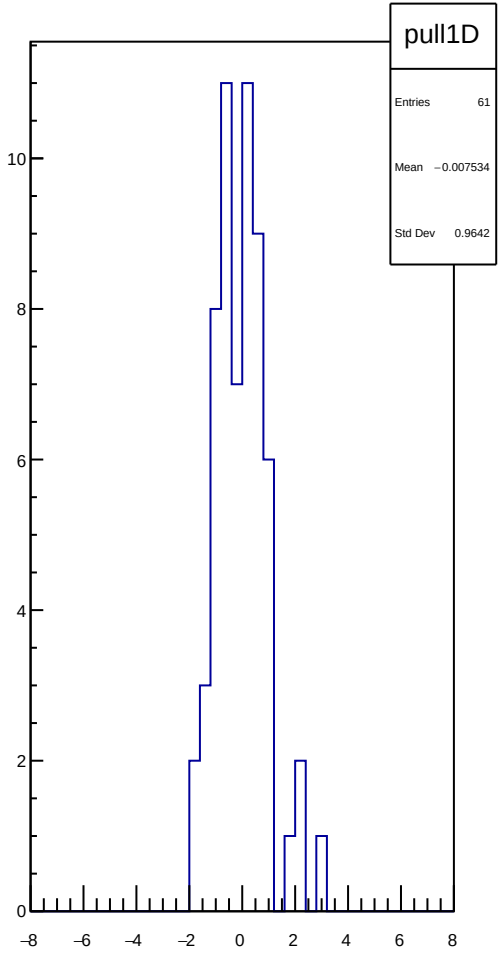

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 541.5 / 60
p0 1543 ± 1.413
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480

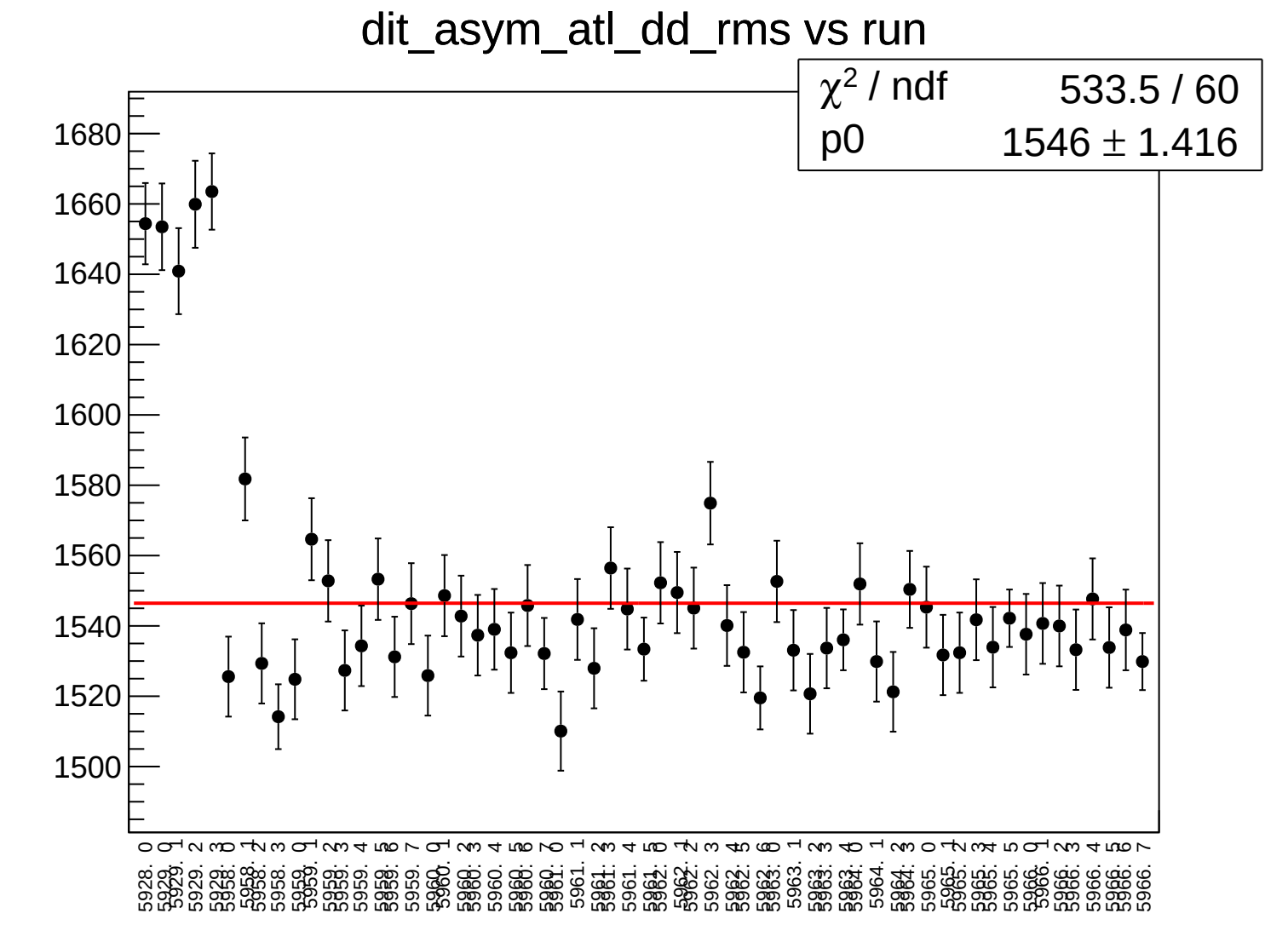

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 58.64 / 60
p0 1511 ± 2753
pull
Entries 61
Mean −448.3
Std Dev 0

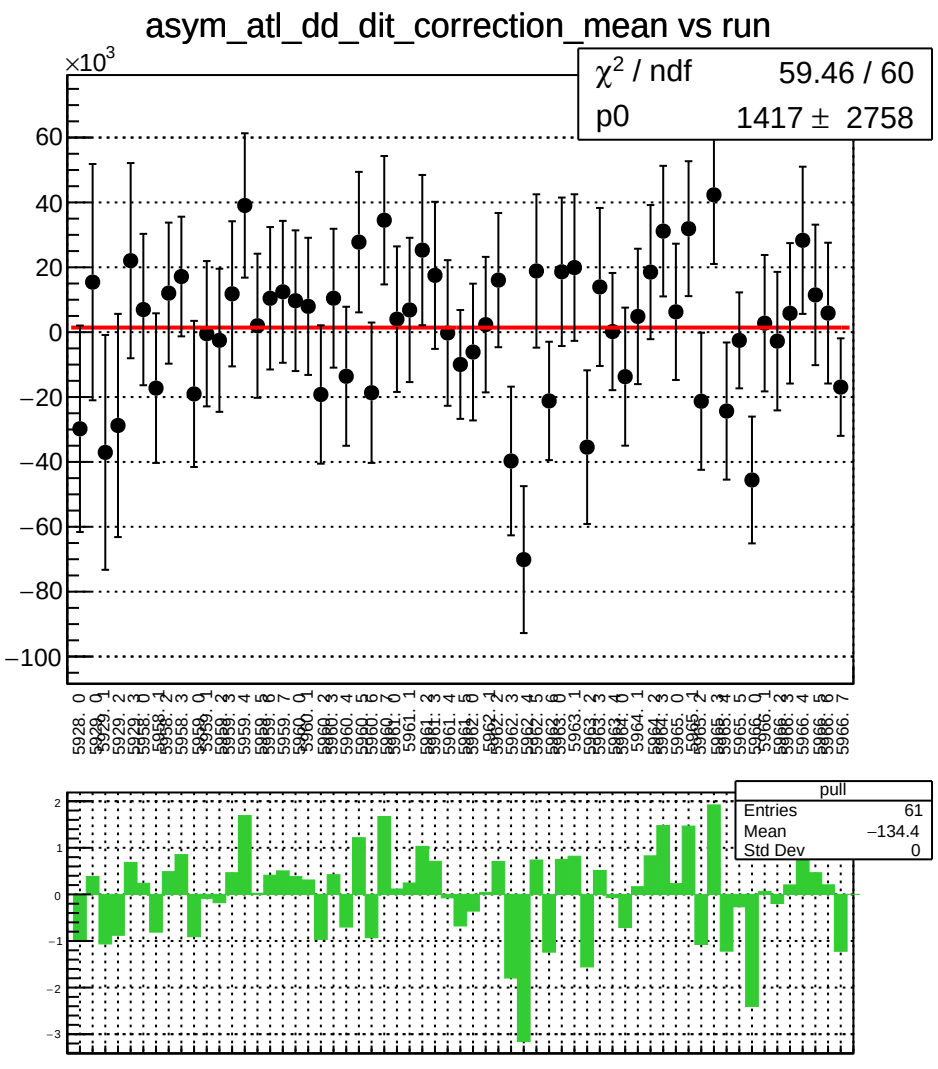

pull1D
Entries 61
Mean 0.0007077
Std Dev 0.9805

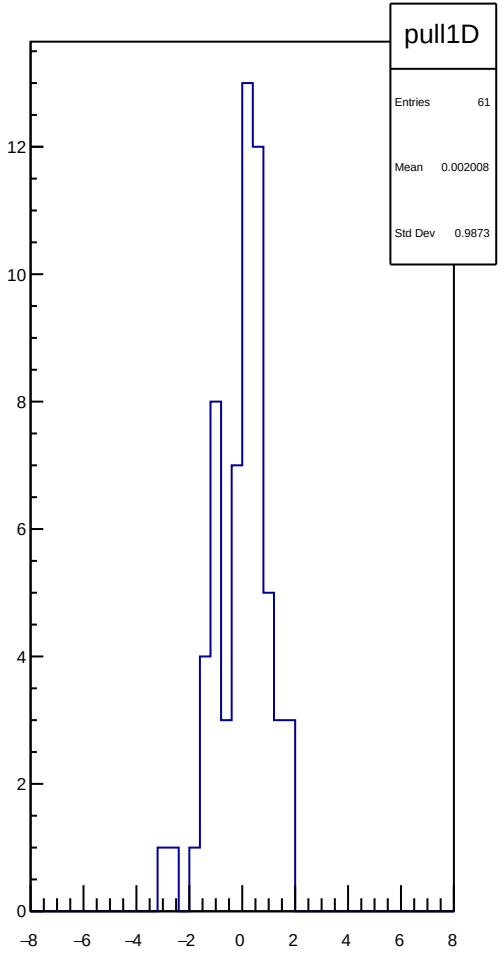

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.533e+04 / 60
p0 2112 ± 1.946
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

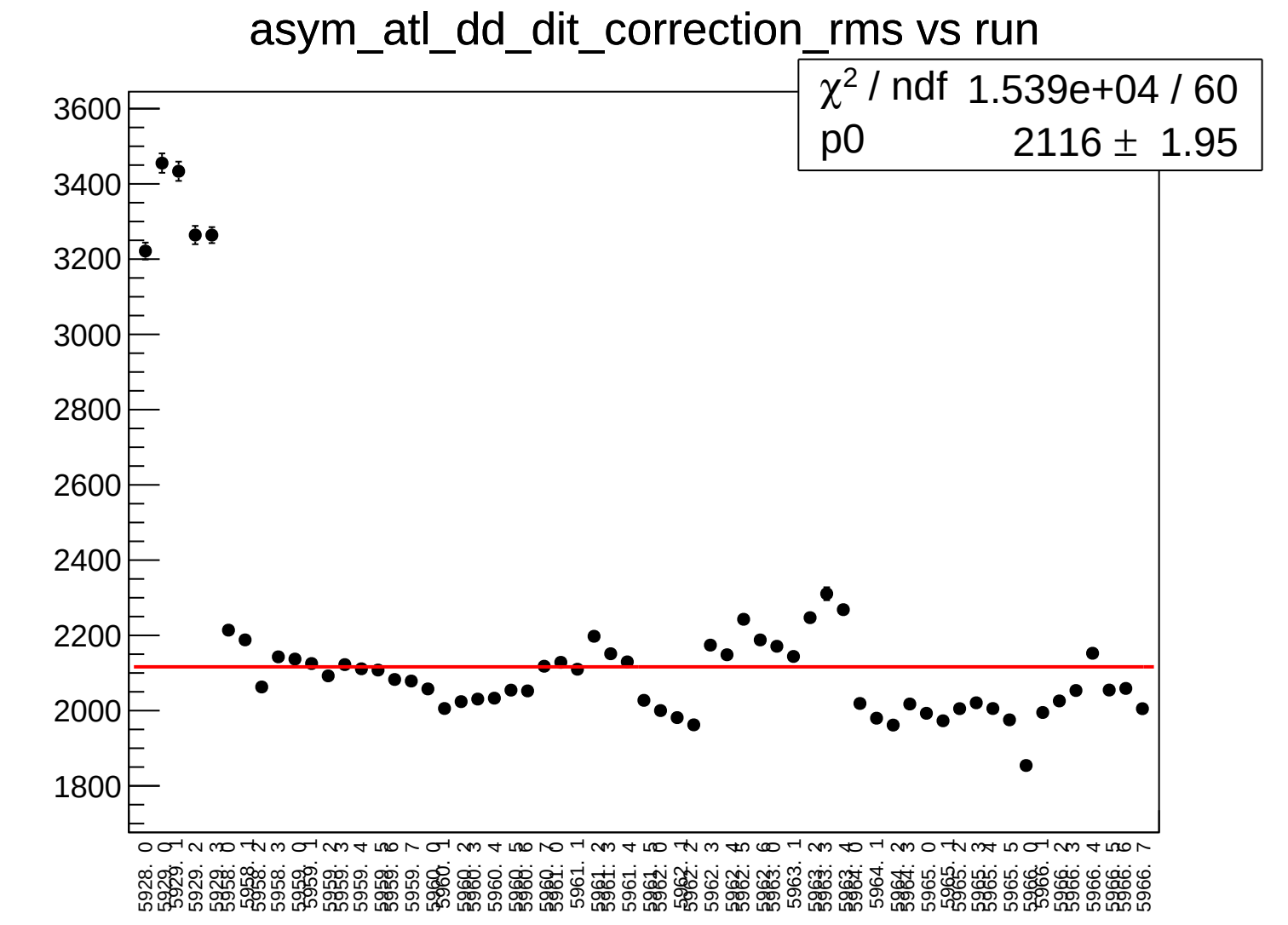

dit_asym_atl_dd_mean vs run
χ² / ndf 56.72 / 60
p0 2669 ± 2003
pull
Entries 61
Mean −20.84
Std Dev 0

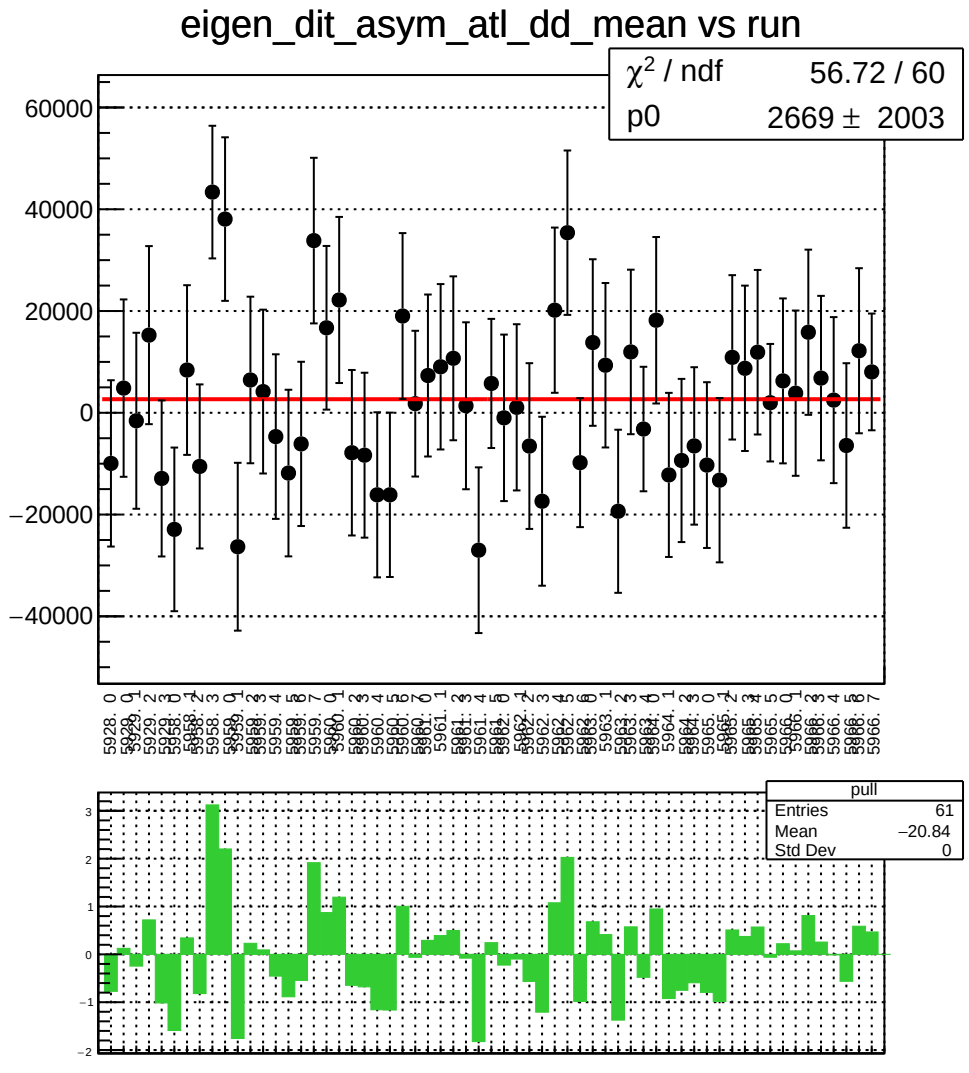

pull1D
Entries 61
Mean −0.007534
Std Dev 0.9642

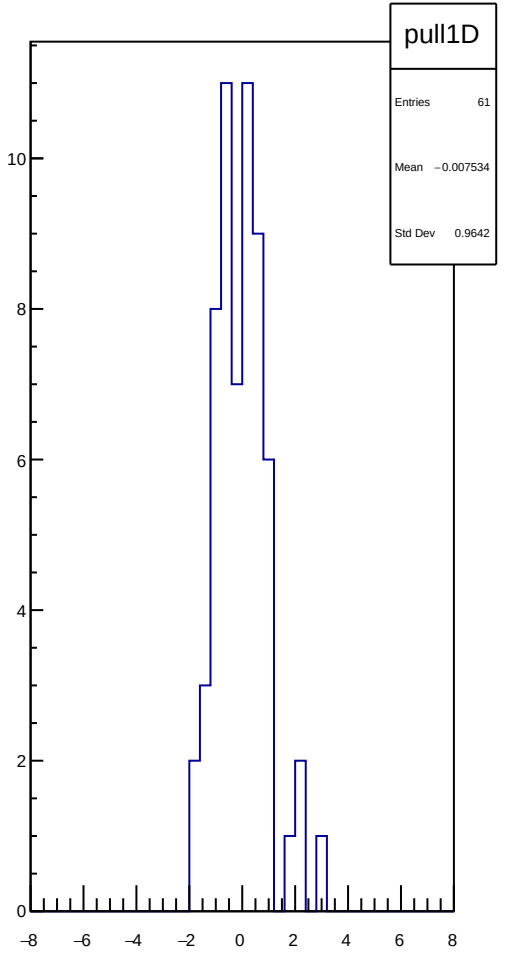

dit_asym_atl_dd_rms vs run
χ² / ndf 533.5 / 60
p0 1546 ± 1.416
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500

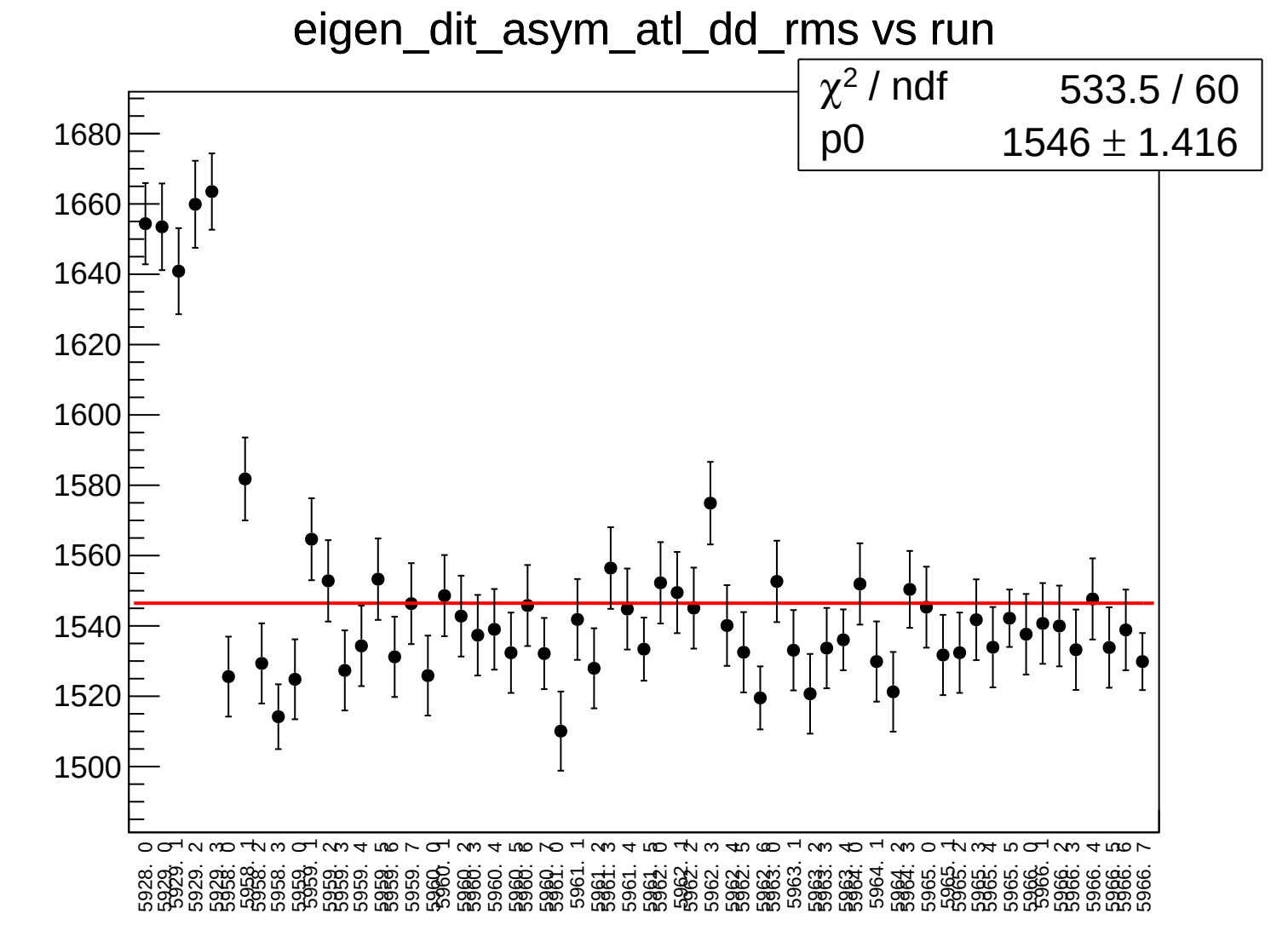

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 59.46 / 60
p0 1417 ± 2758
pull
Entries 61
Mean −134.4
Std Dev 0

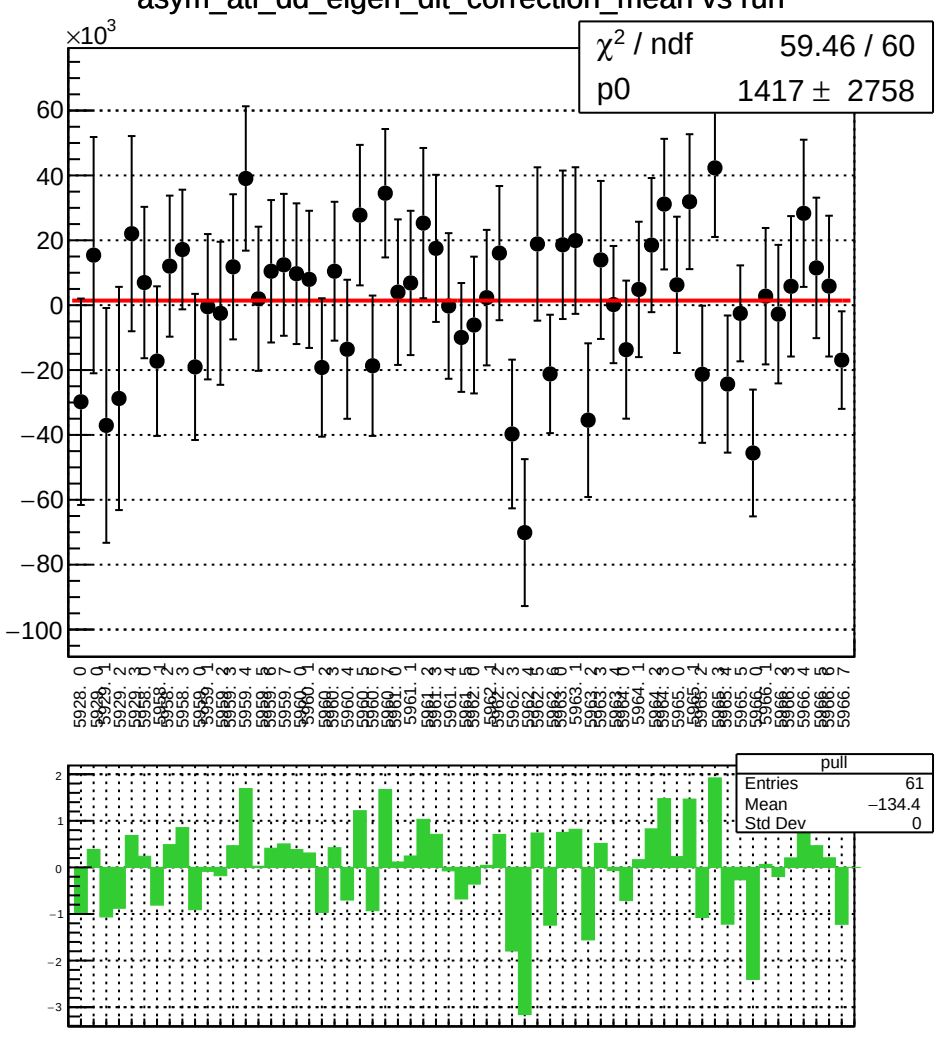

pull1D
Entries 61
Mean 0.002008
Std Dev 0.9873

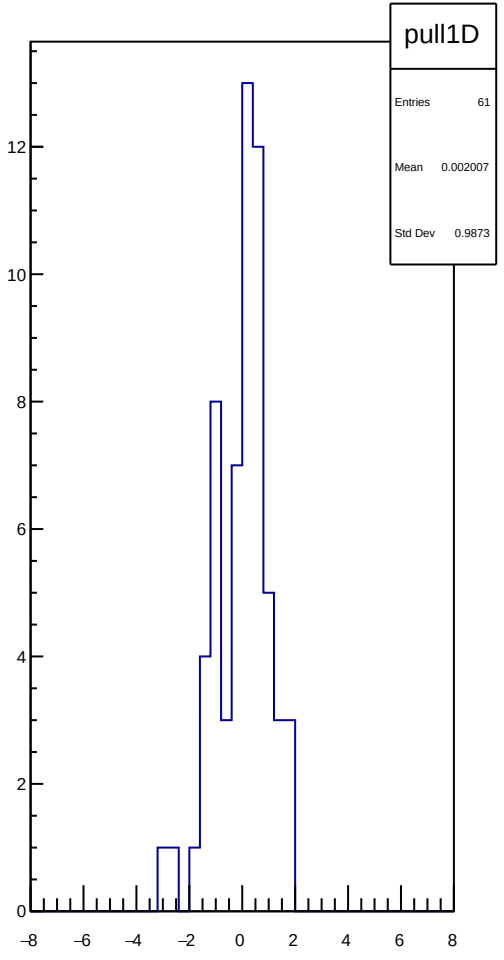

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 1.539e+04 / 60
p0 2116 ± 1.95
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

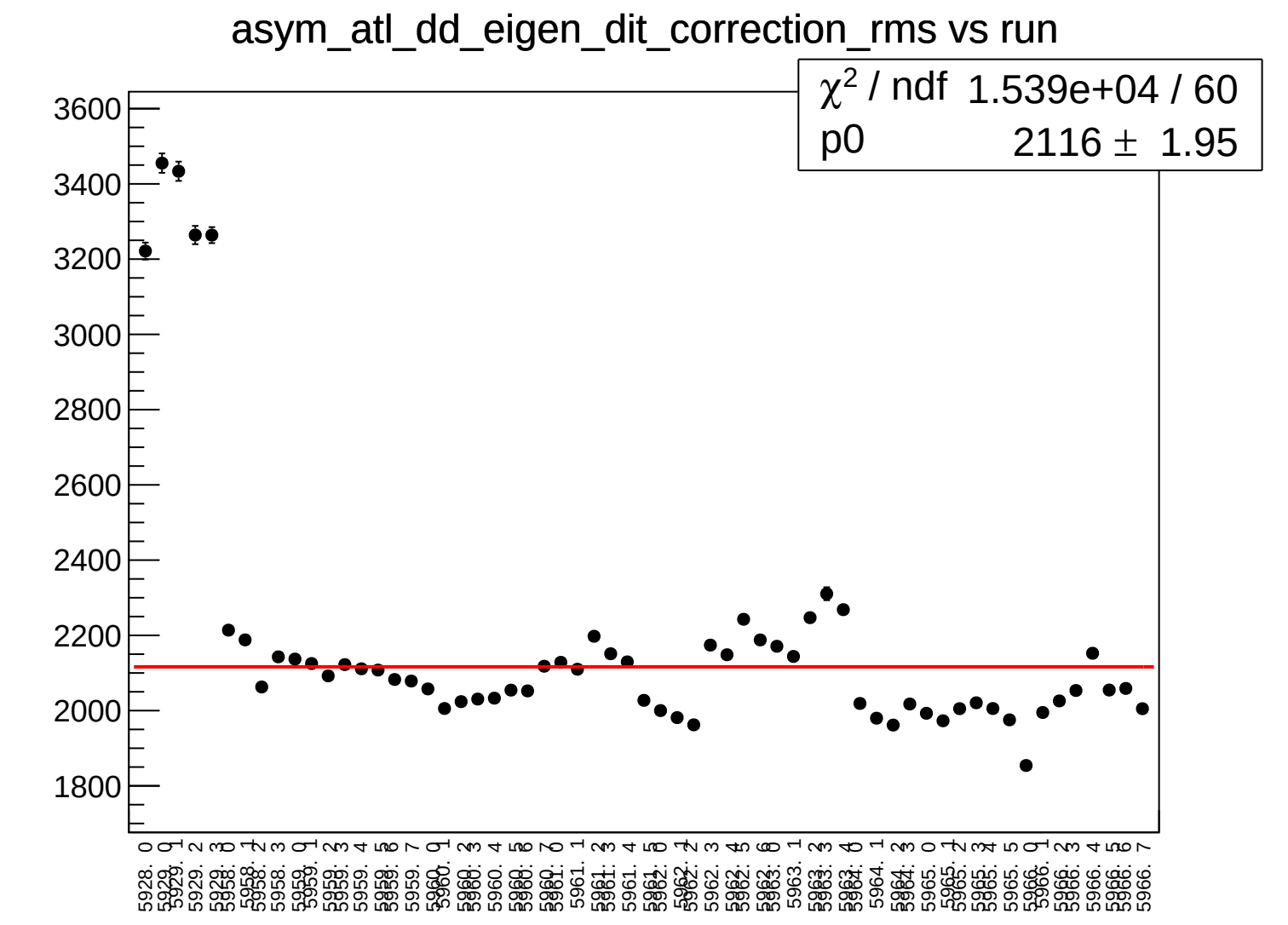

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 56.72 / 60
p0 2669 ± 2003
pull
Entries 61
Mean −20.84
Std Dev 0

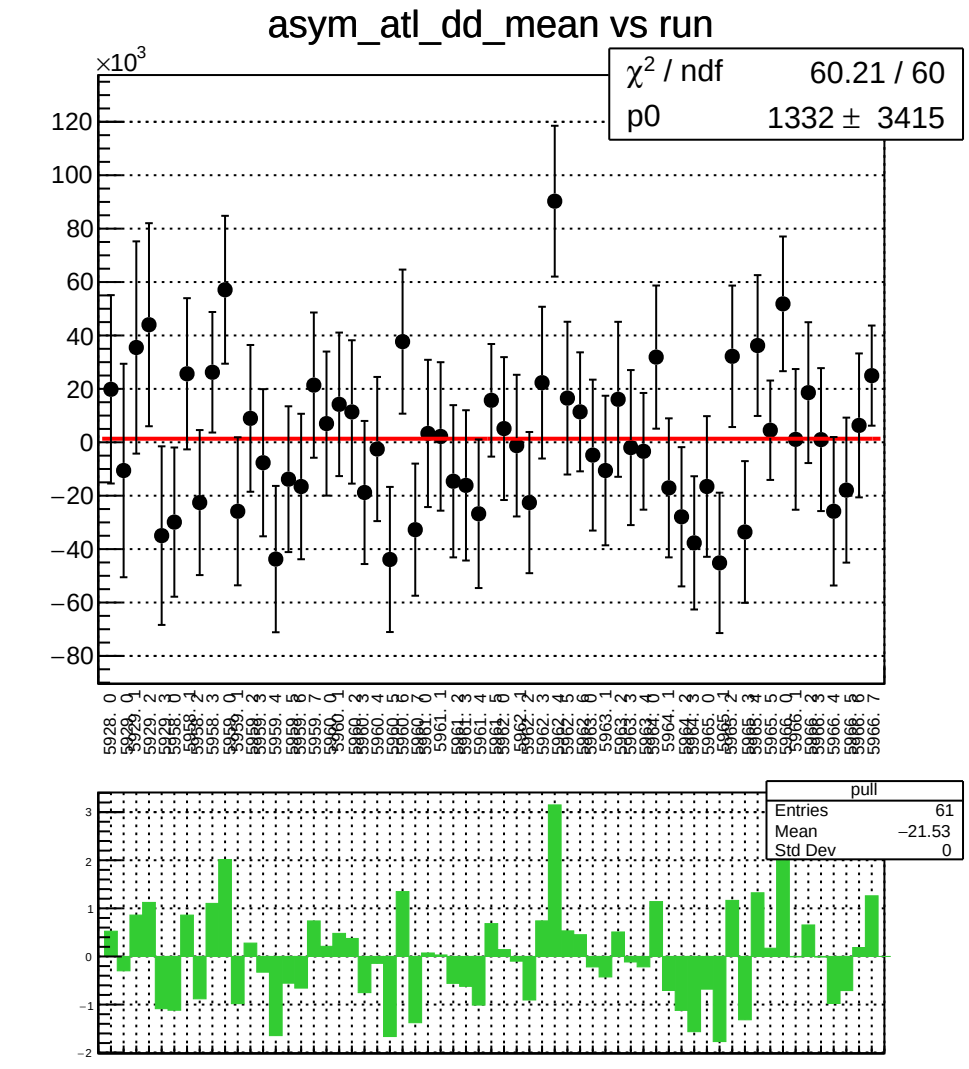

pull1D
Entries 61
Mean −0.007534
Std Dev 0.9642

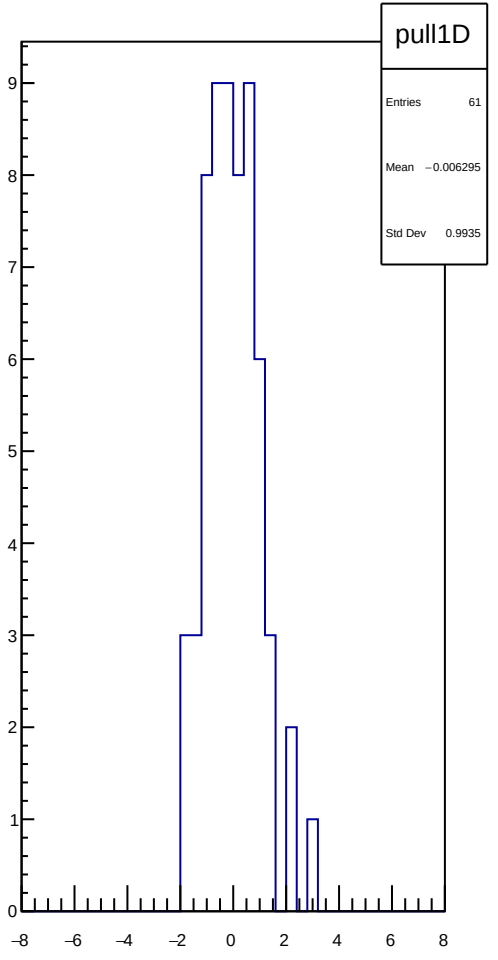

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 533.5 / 60
p0 1546 ± 1.416
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500

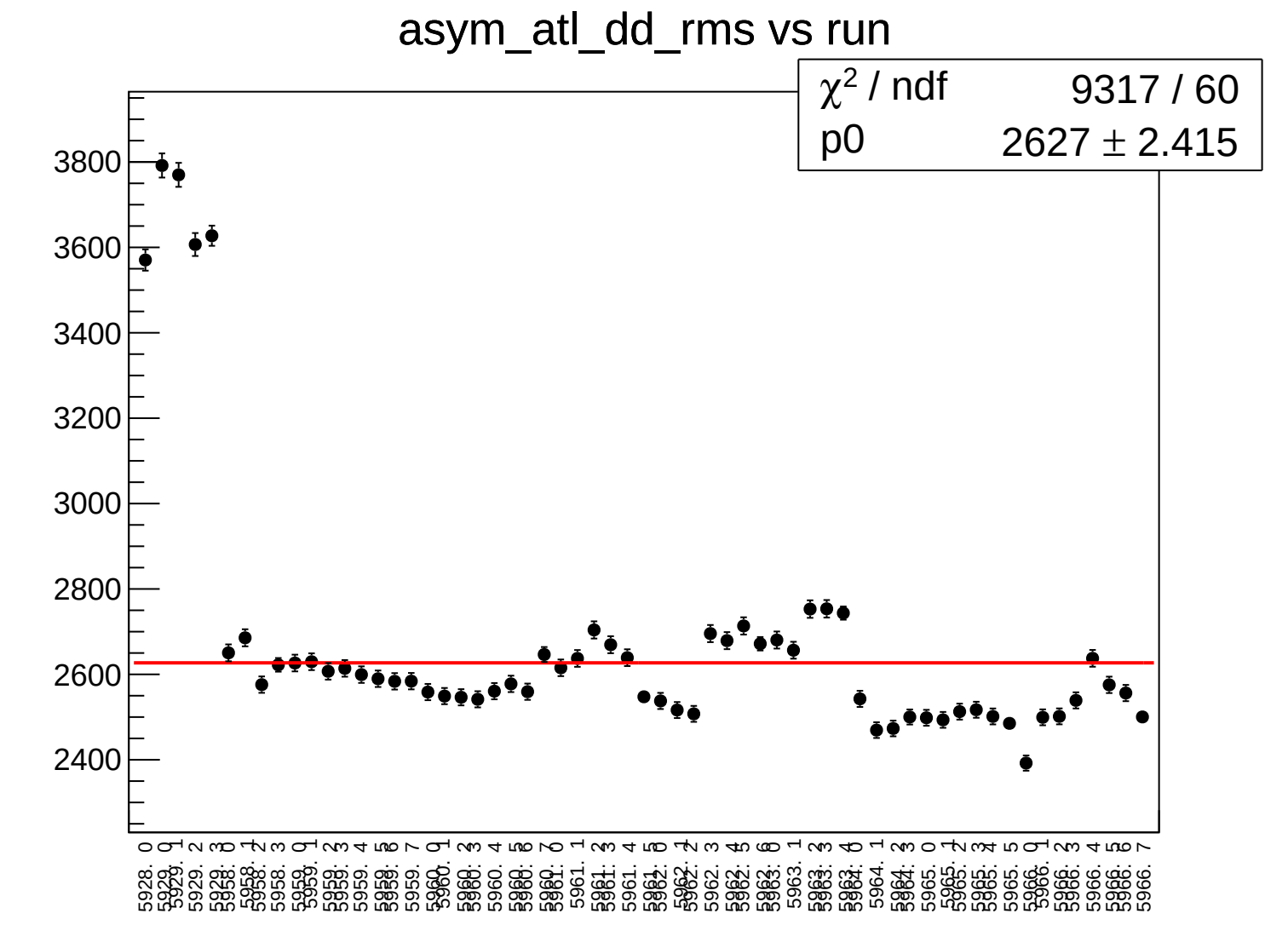

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 59.46 / 60
p0 1417 ± 2758
pull
Entries 61
Mean −134.4
Std Dev 0

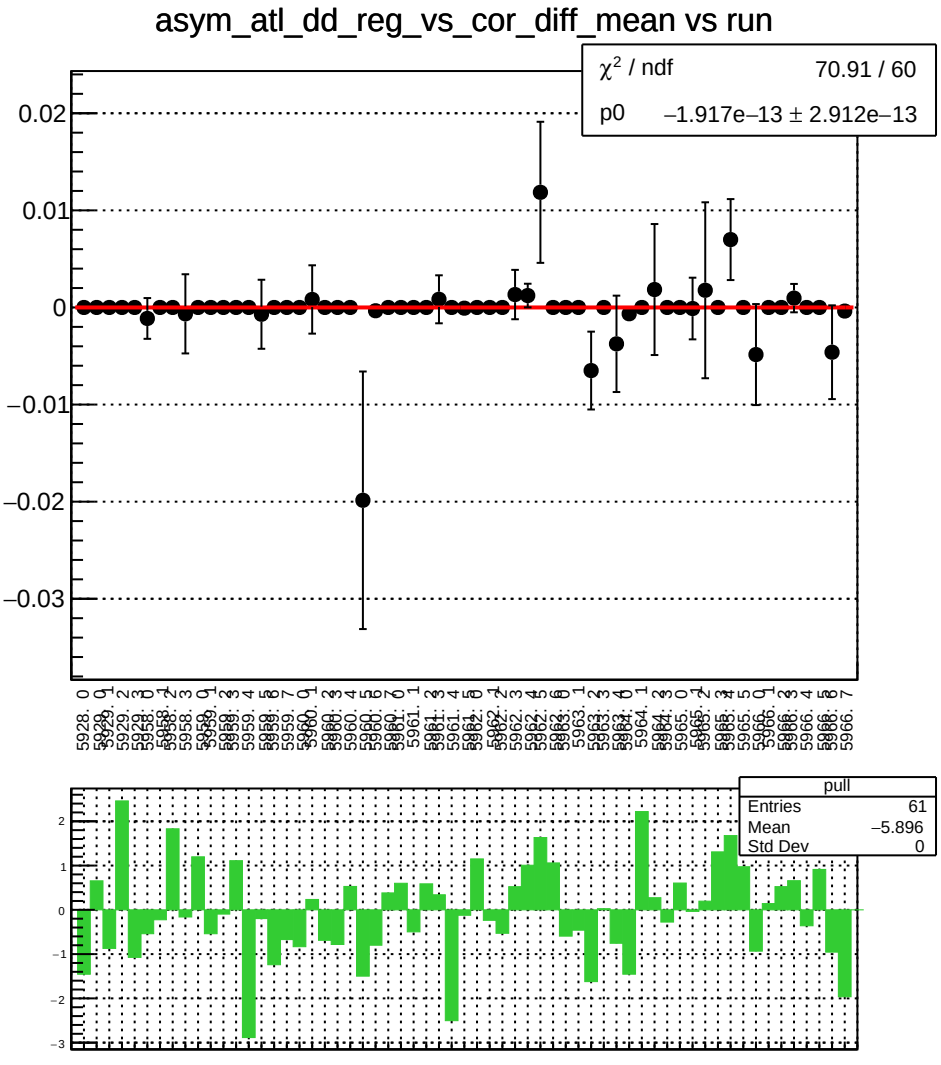

pull1D
Entries 61
Mean 0.002007
Std Dev 0.9873

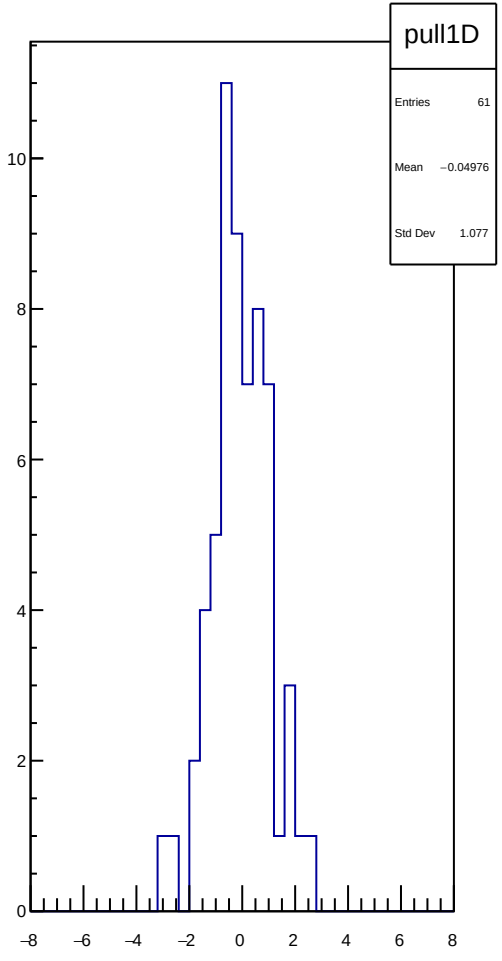

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.539e+04 / 60
p0 2116 ± 1.95
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

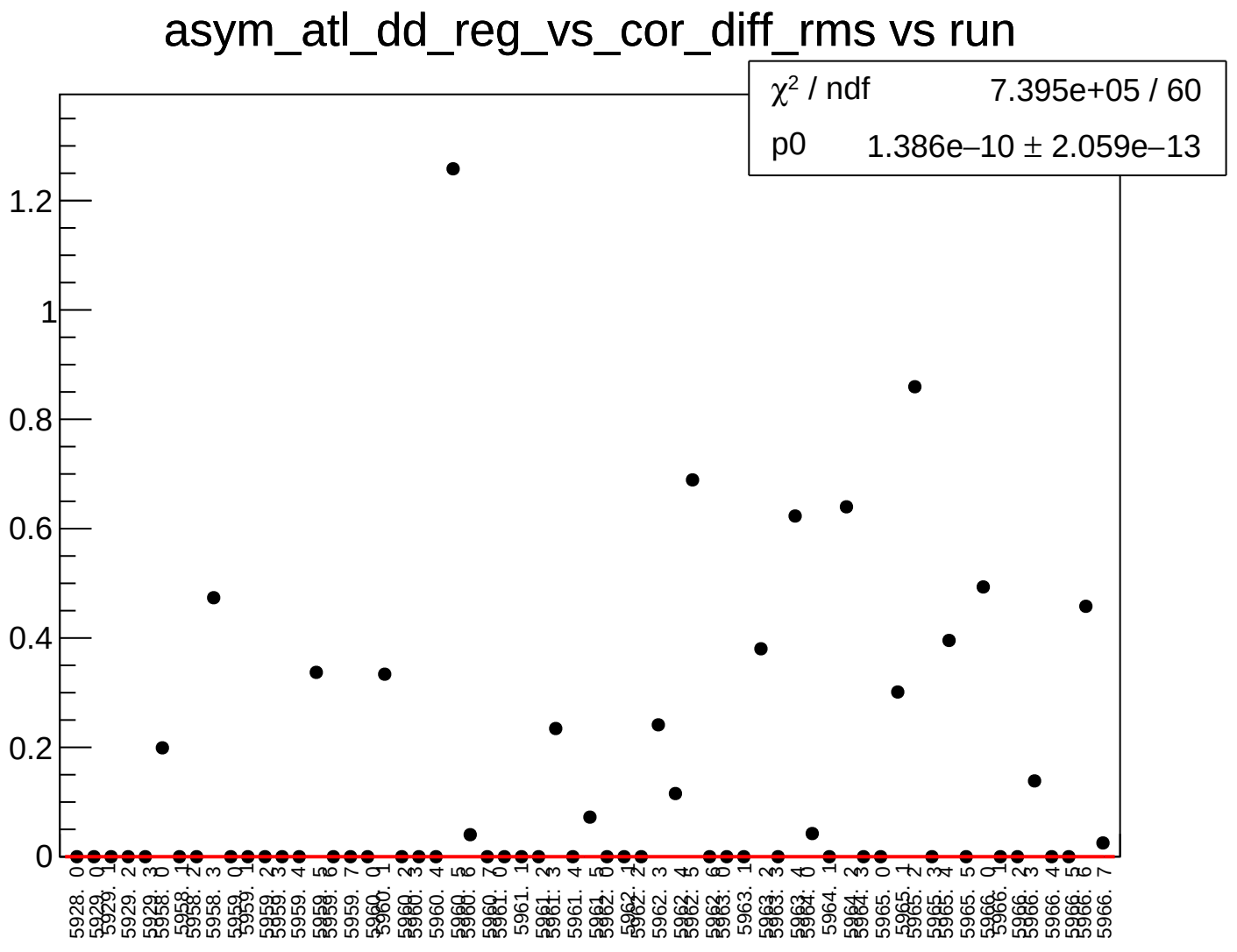

asym_atl_dd_mean vs run
×10^3
χ² / ndf 60.21 / 60
p0 1332 ± 3415
pull
Entries 61
Mean −21.53
Std Dev 0

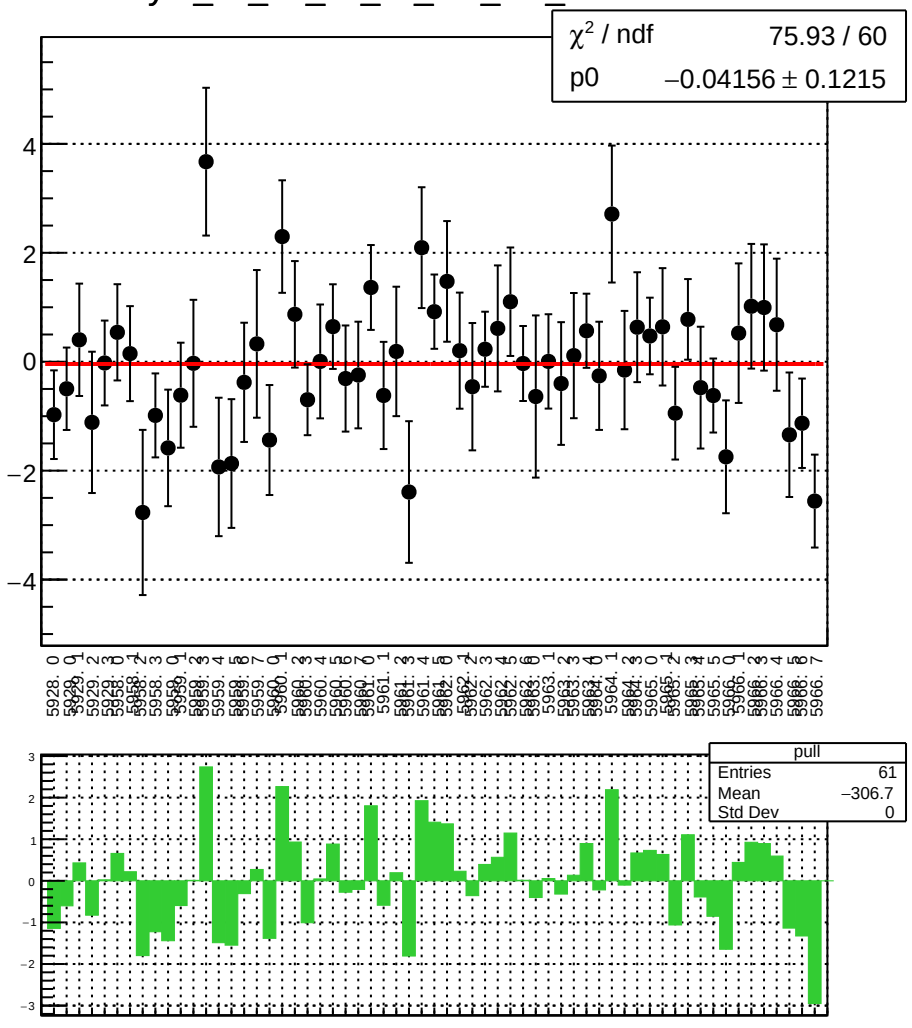

pull1D
Entries 61
Mean −0.006295
Std Dev 0.9935

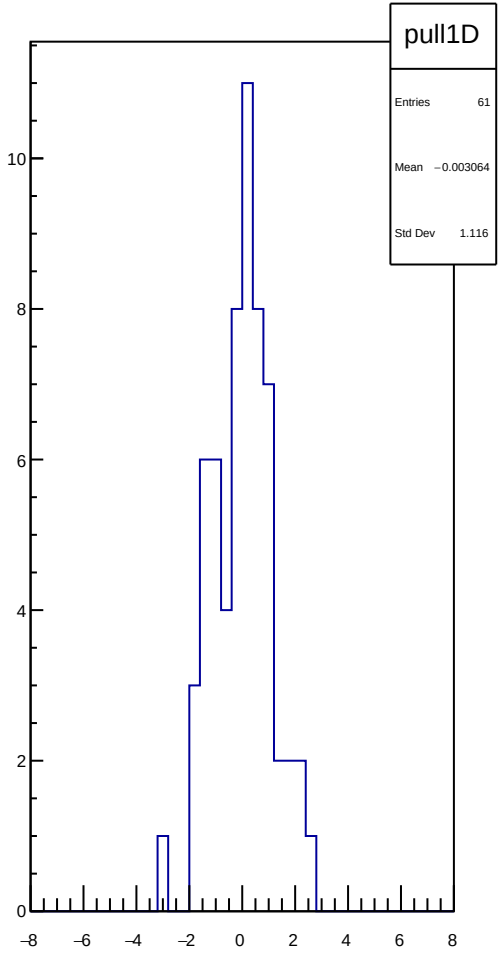

asym_atl_dd_rms vs run
χ² / ndf 9317 / 60
p0 2627 ± 2.415
3800
3600
3400
3200
3000
2800
2600
2400

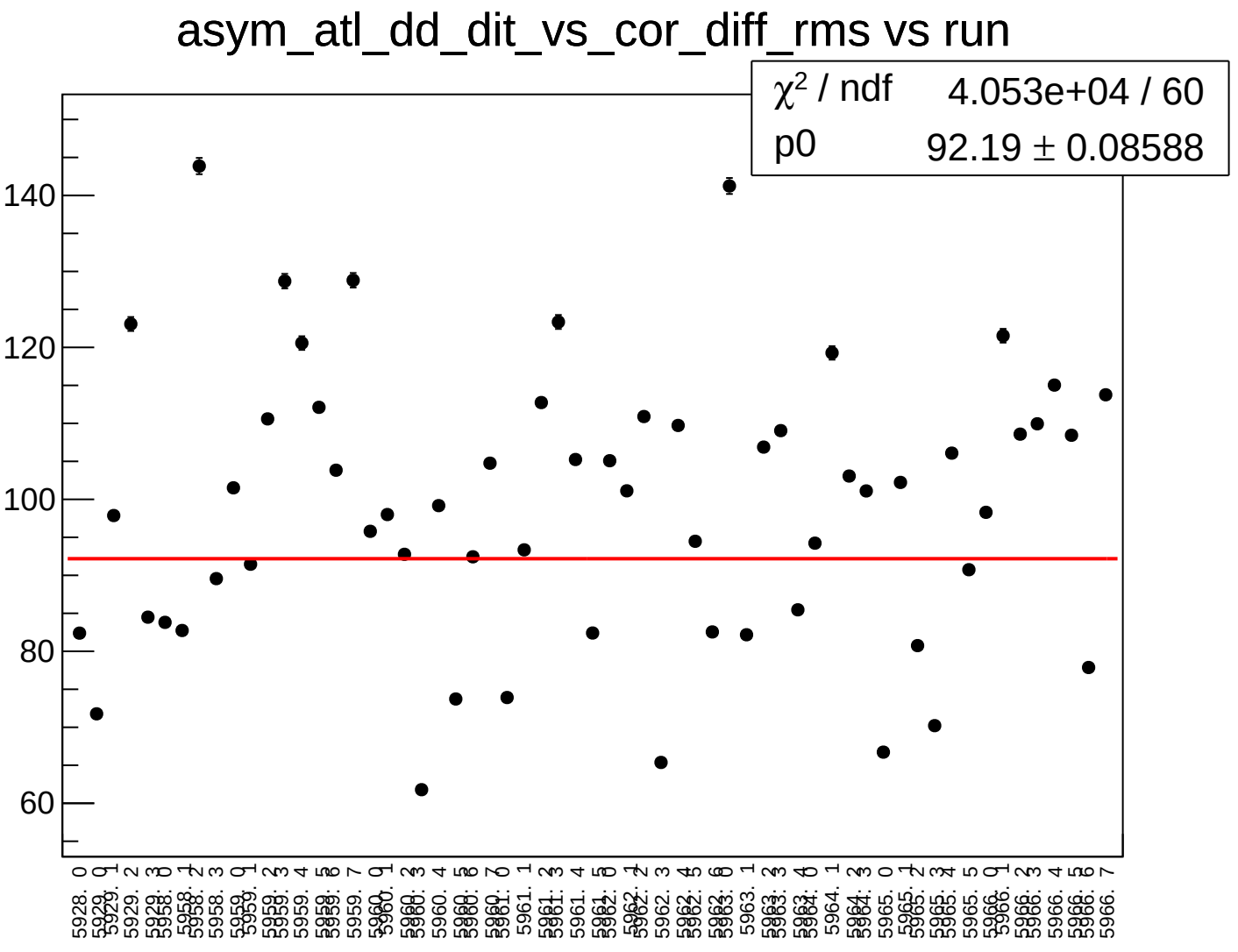

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.91 / 60
p0 −1.917e−13 ± 2.912e−13
pull
Entries 61
Mean −5.896
Std Dev 0

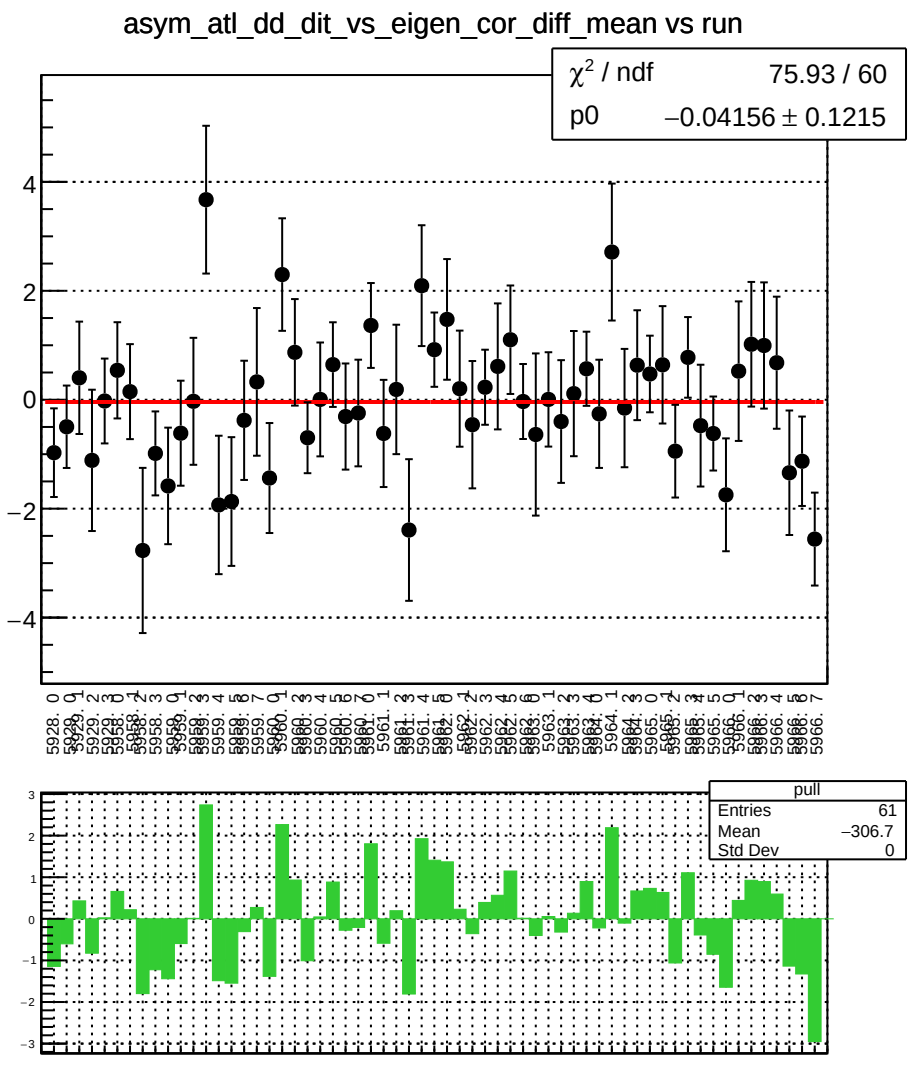

pull1D
Entries 61
Mean −0.04976
Std Dev 1.077

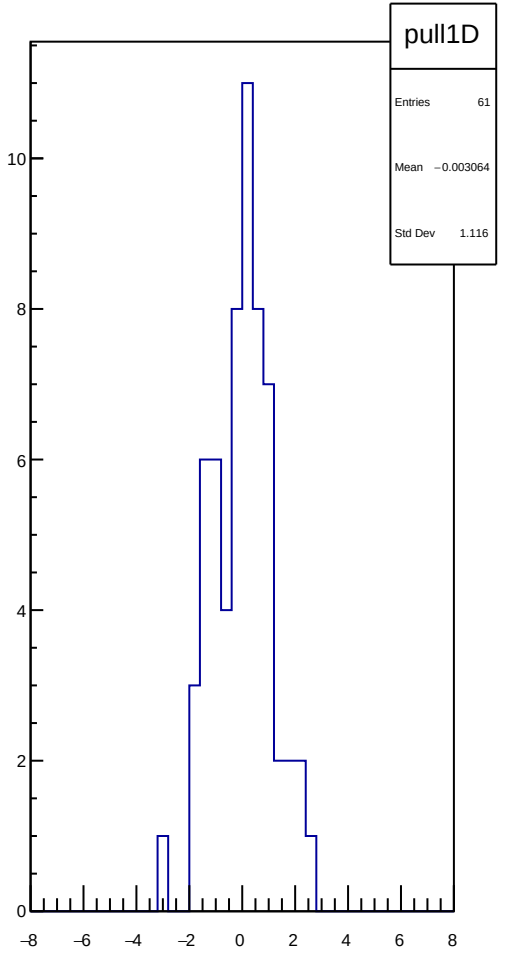

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.395e+05 / 60
p0 1.386e−10 ± 2.059e−13
1.2
1
0.8
0.6
0.4
0.2
0

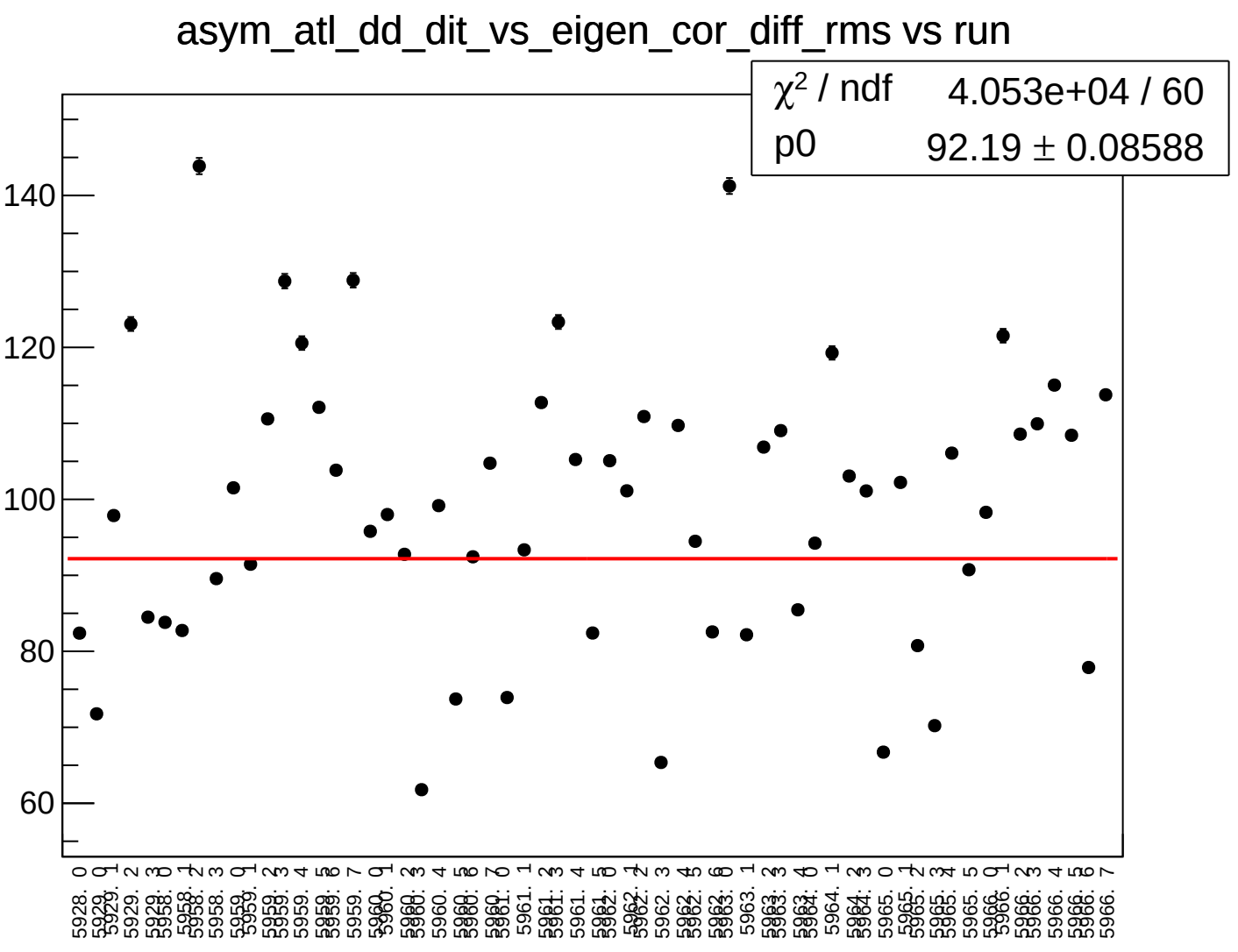

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.93 / 60
p0 −0.04156 ± 0.1215
pull
Entries 61
Mean −306.7
Std Dev 0

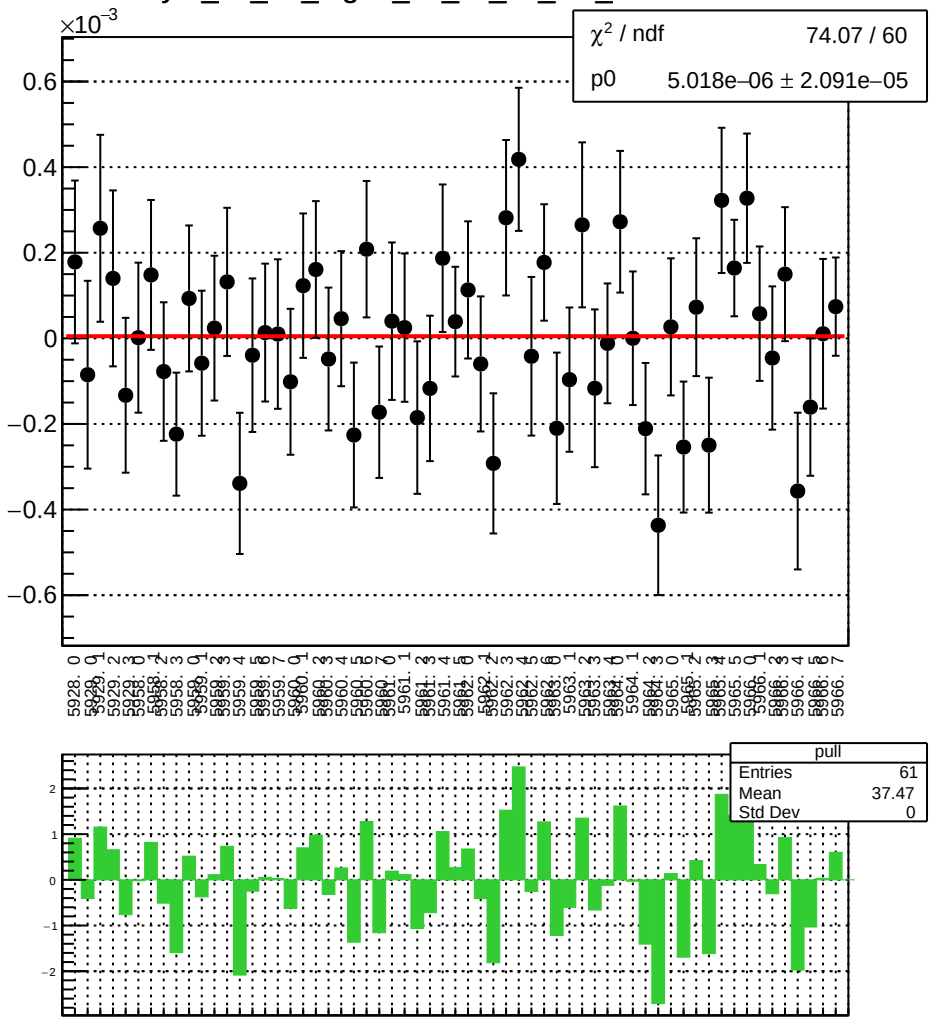

pull1D
Entries 61
Mean −0.003064
Std Dev 1.116

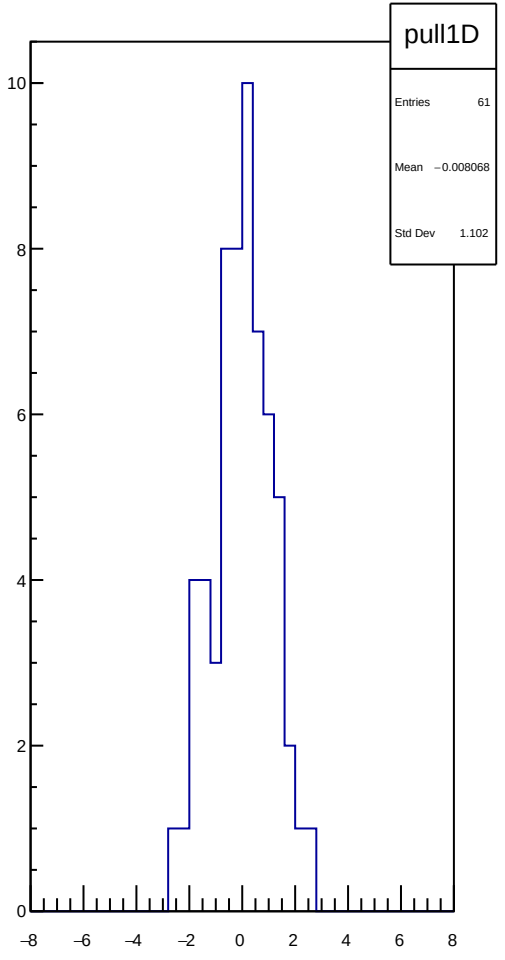

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 60
p0 92.19 ± 0.08588
140
120
100
80
60

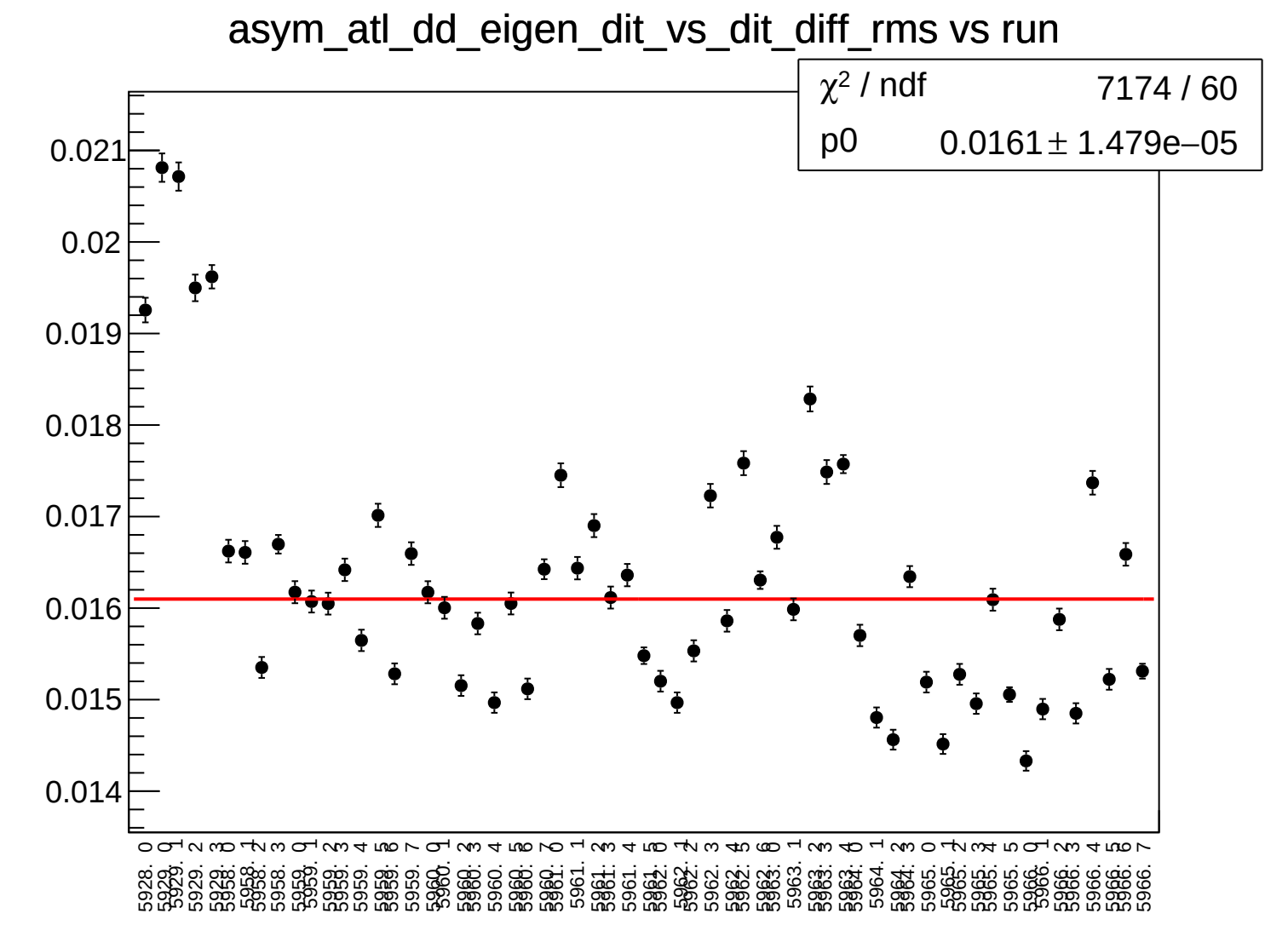

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.93 / 60
p0 −0.04156 ± 0.1215
pull
Entries 61
Mean −306.7
Std Dev 0

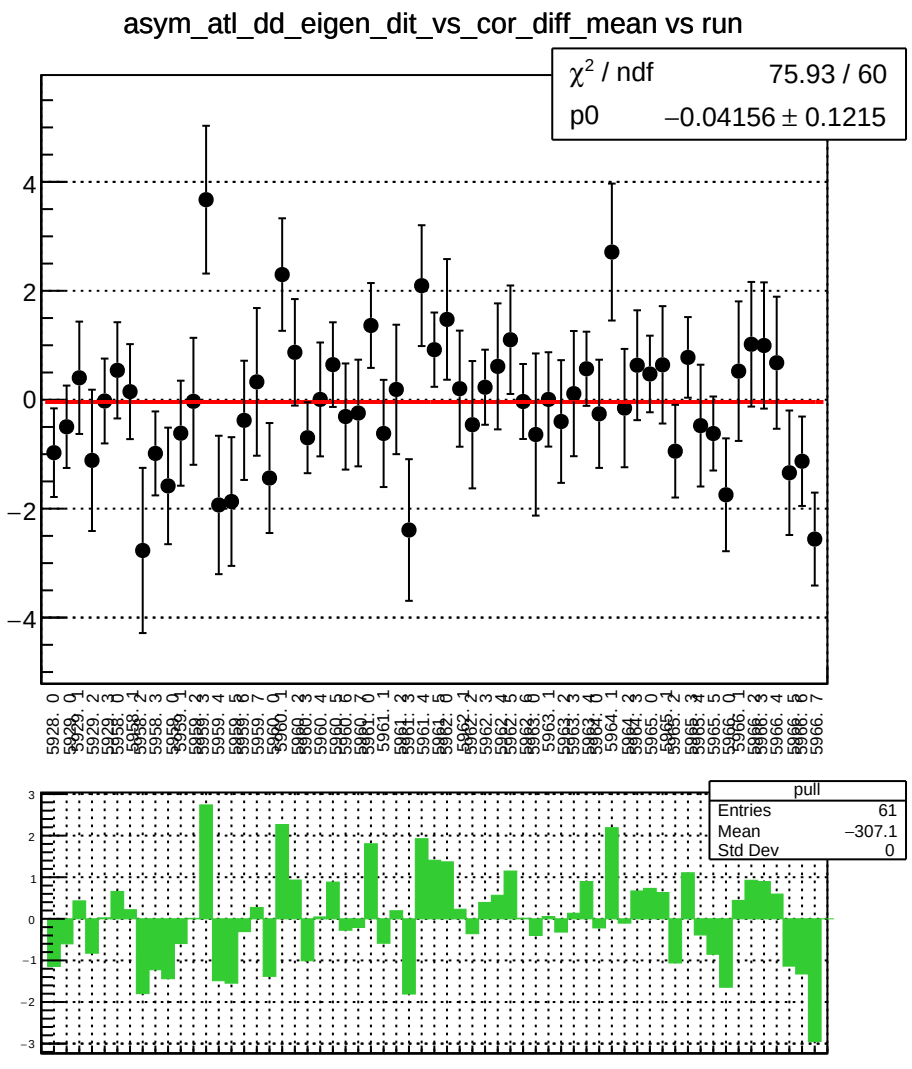

pull1D
Entries 61
Mean −0.003064
Std Dev 1.116

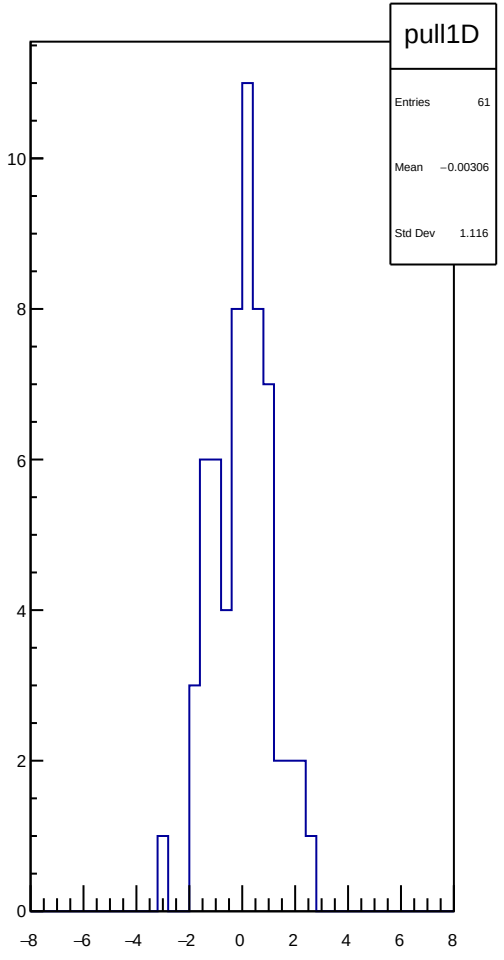

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 60
p0 92.19 ± 0.08588
140
120
100
80
60

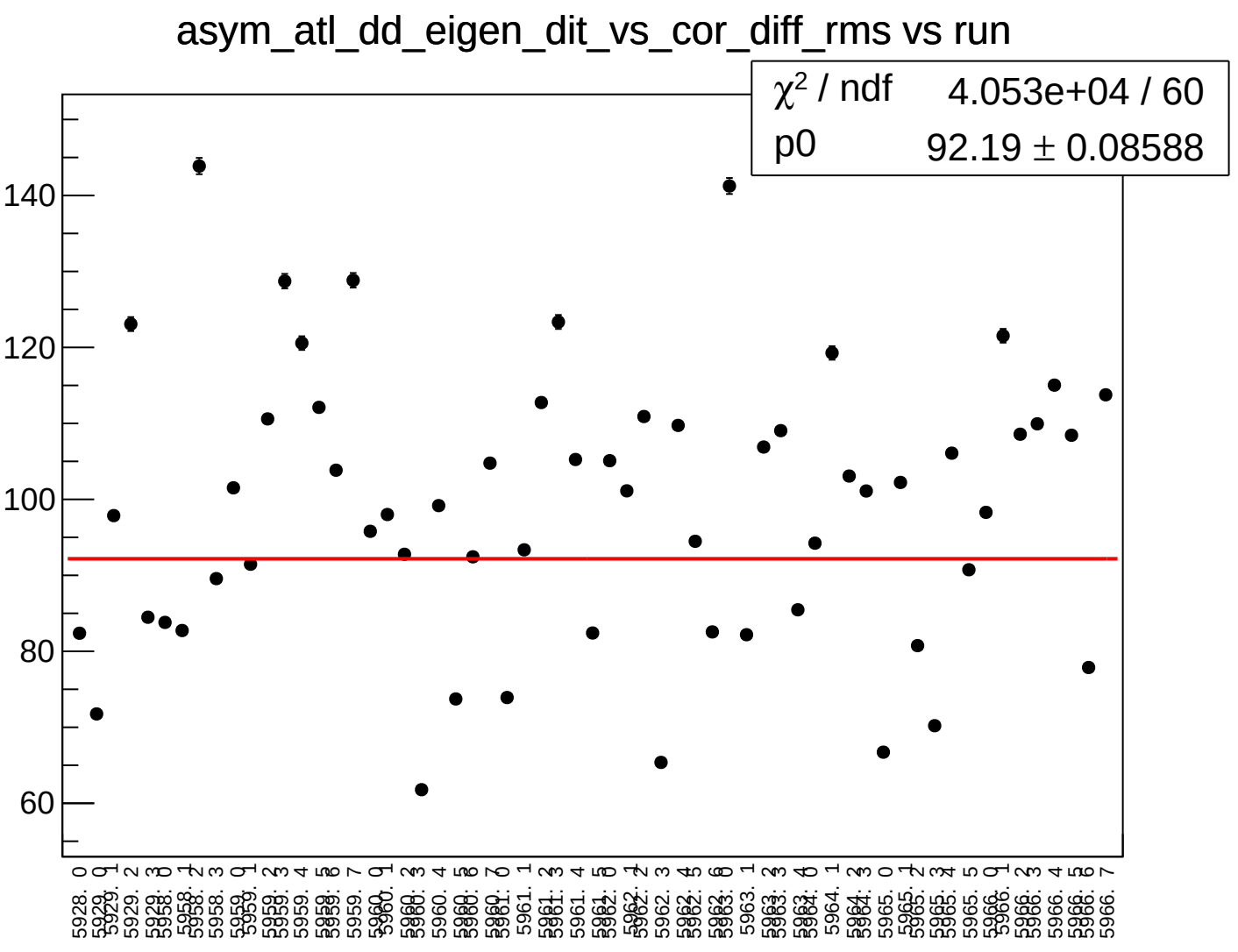

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.07 / 60
p0 5.018e−06 ± 2.091e−05
pull
Entries 61
Mean 37.47
Std Dev 0

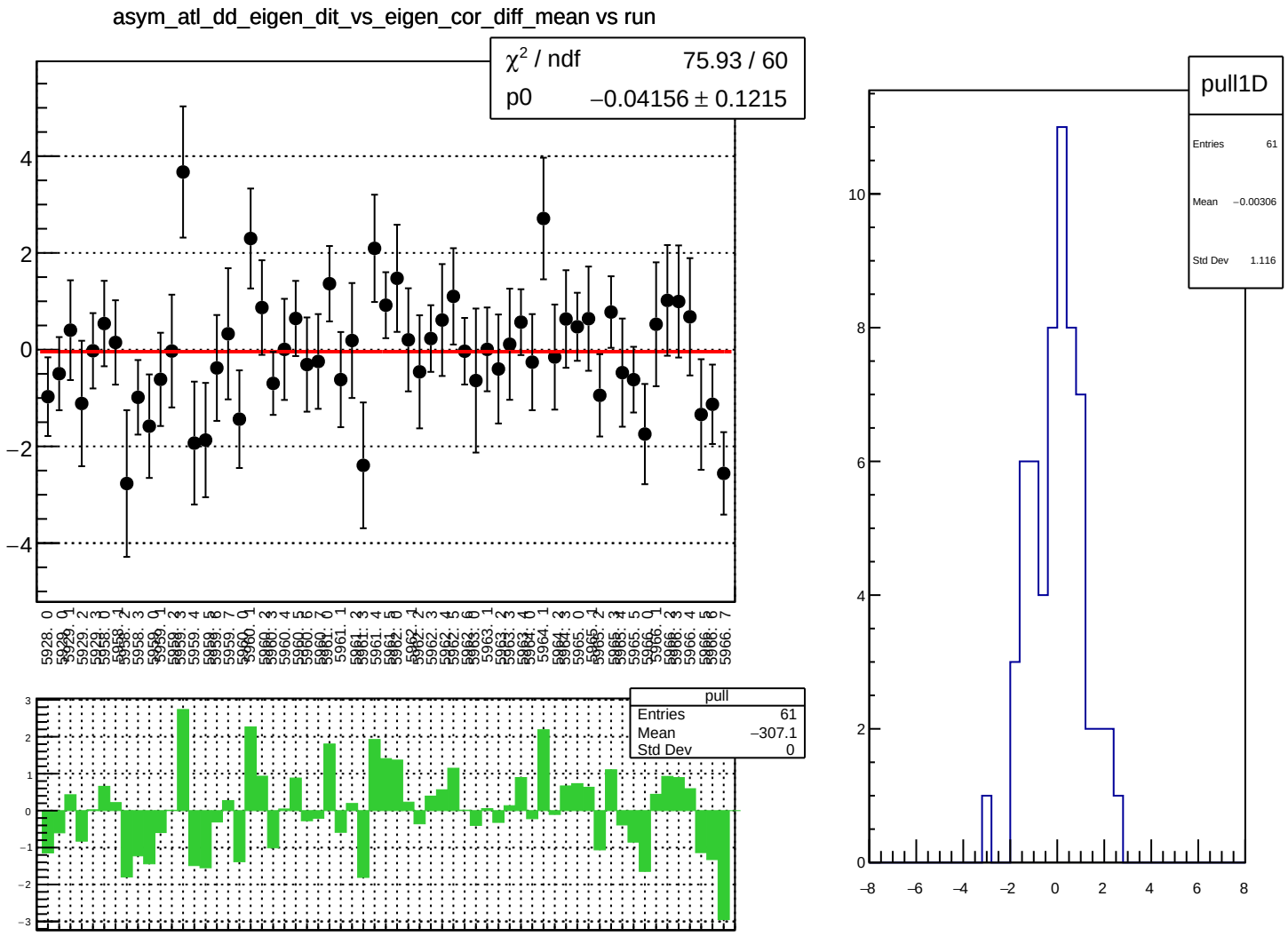

pull1D
Entries 61
Mean −0.008068
Std Dev 1.102

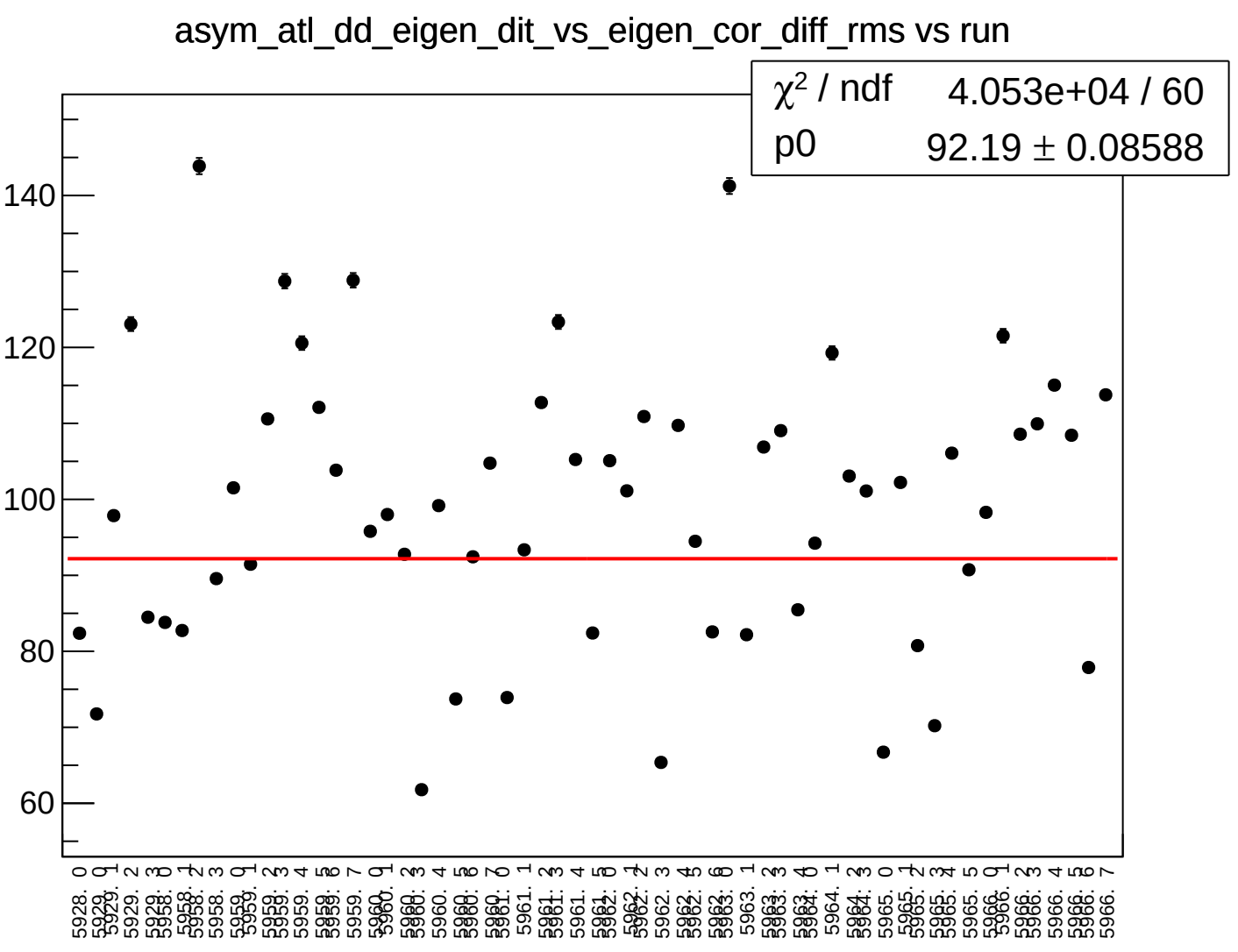

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7174 / 60
p0 0.0161 ± 1.479e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
0.014

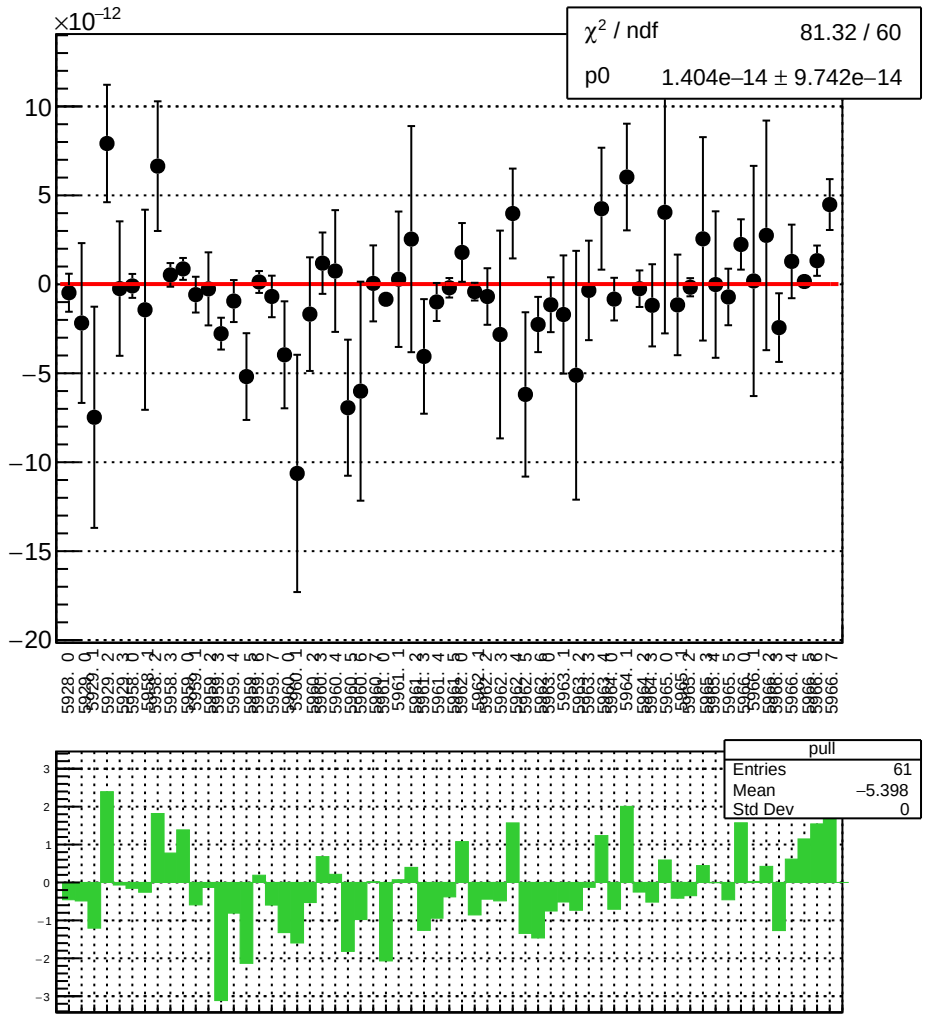

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.93 / 60
p0 −0.04156 ± 0.1215
pull
Entries 61
Mean −307.1
Std Dev 0

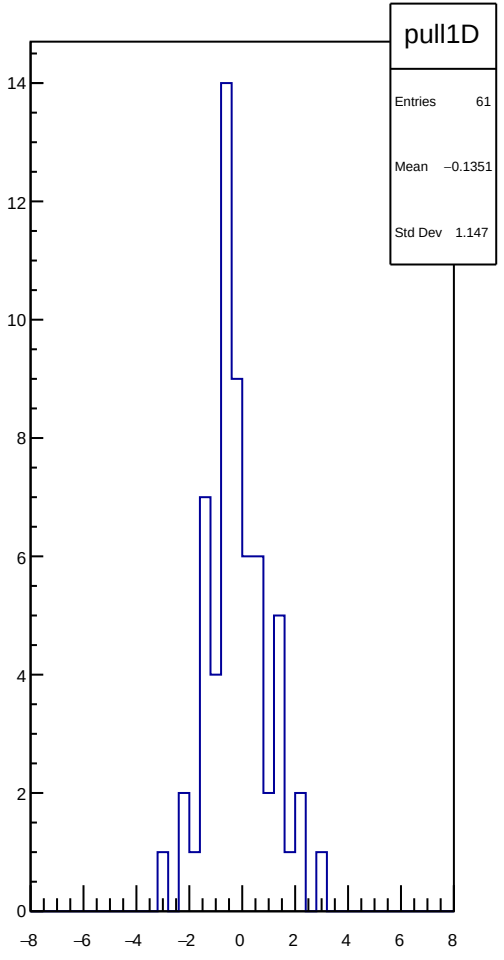

pull1D
Entries 61
Mean −0.00306
Std Dev 1.116

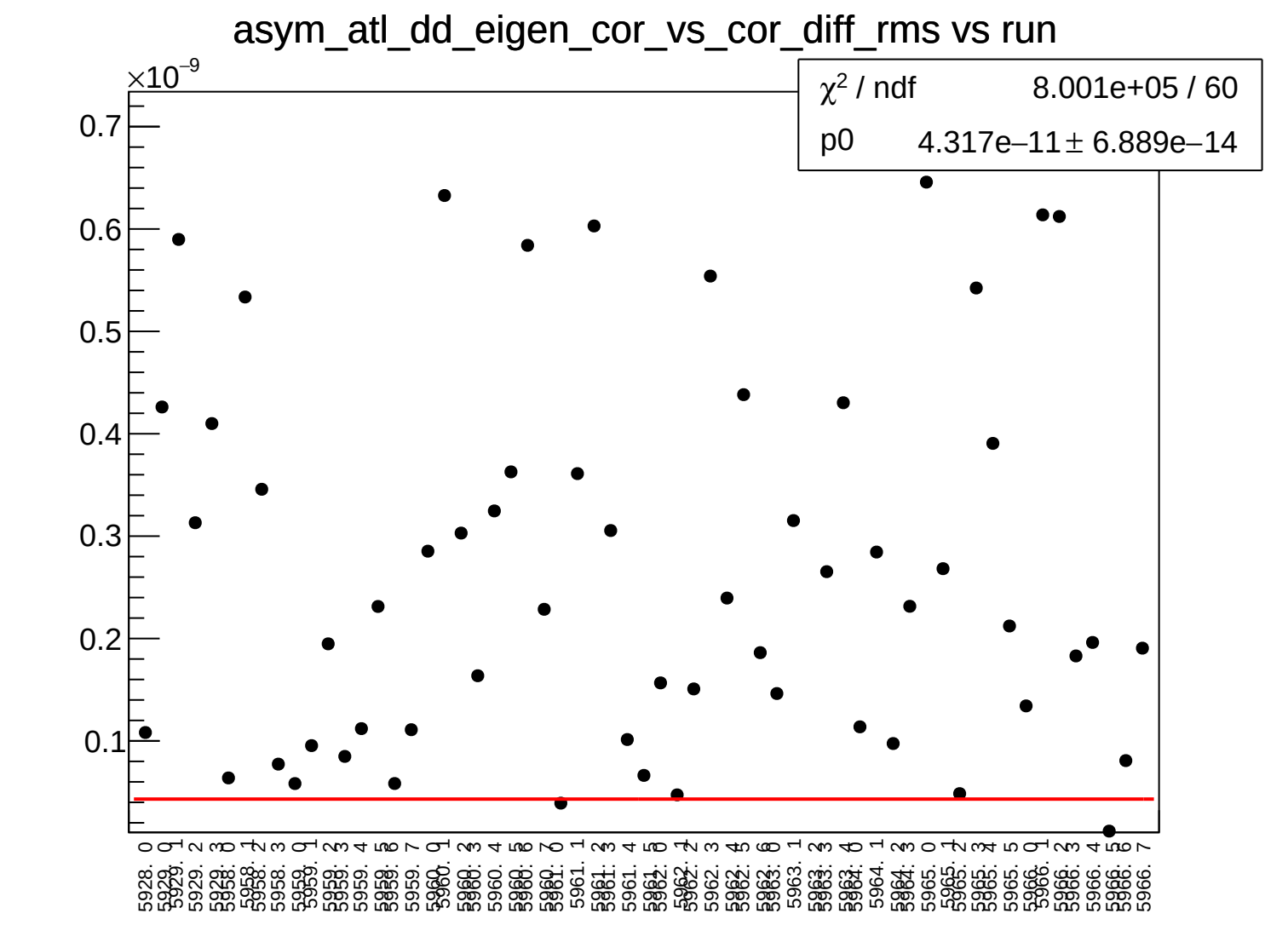

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 60
p0 92.19 ± 0.08588
140
120
100
80
60

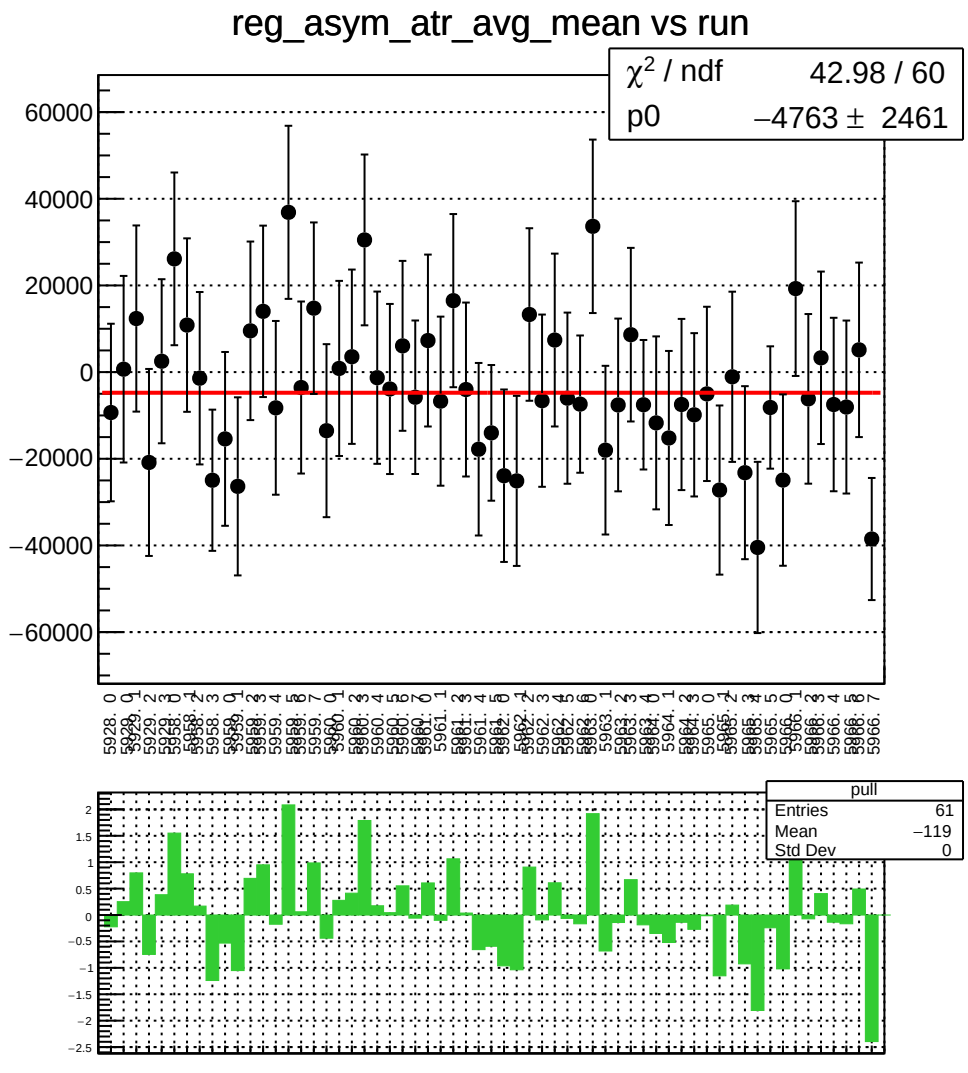

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.93 / 60
p0 −0.04156 ± 0.1215
pull
Entries 61
Mean −307.1
Std Dev 0
pull1D
Entries 61
Mean −0.00306
Std Dev 1.116

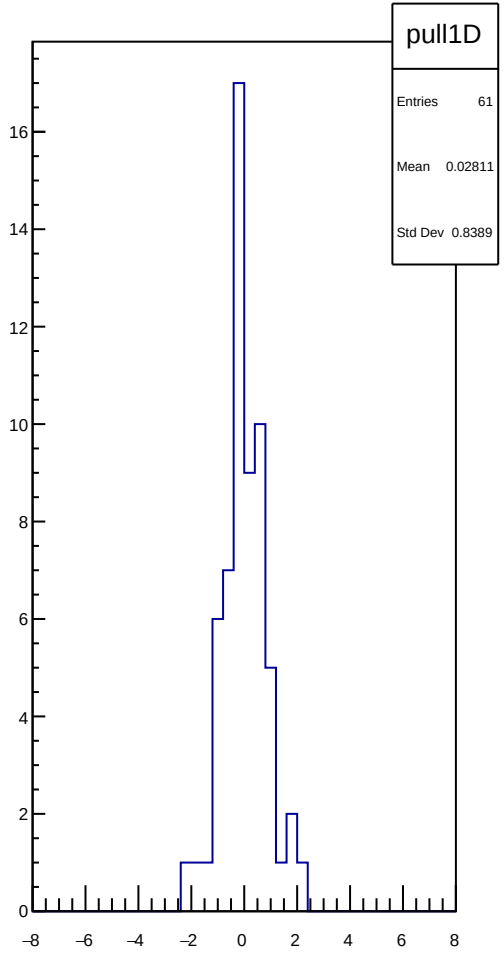

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.053e+04 / 60
p0 92.19 ± 0.08588
140
120
100
80
60

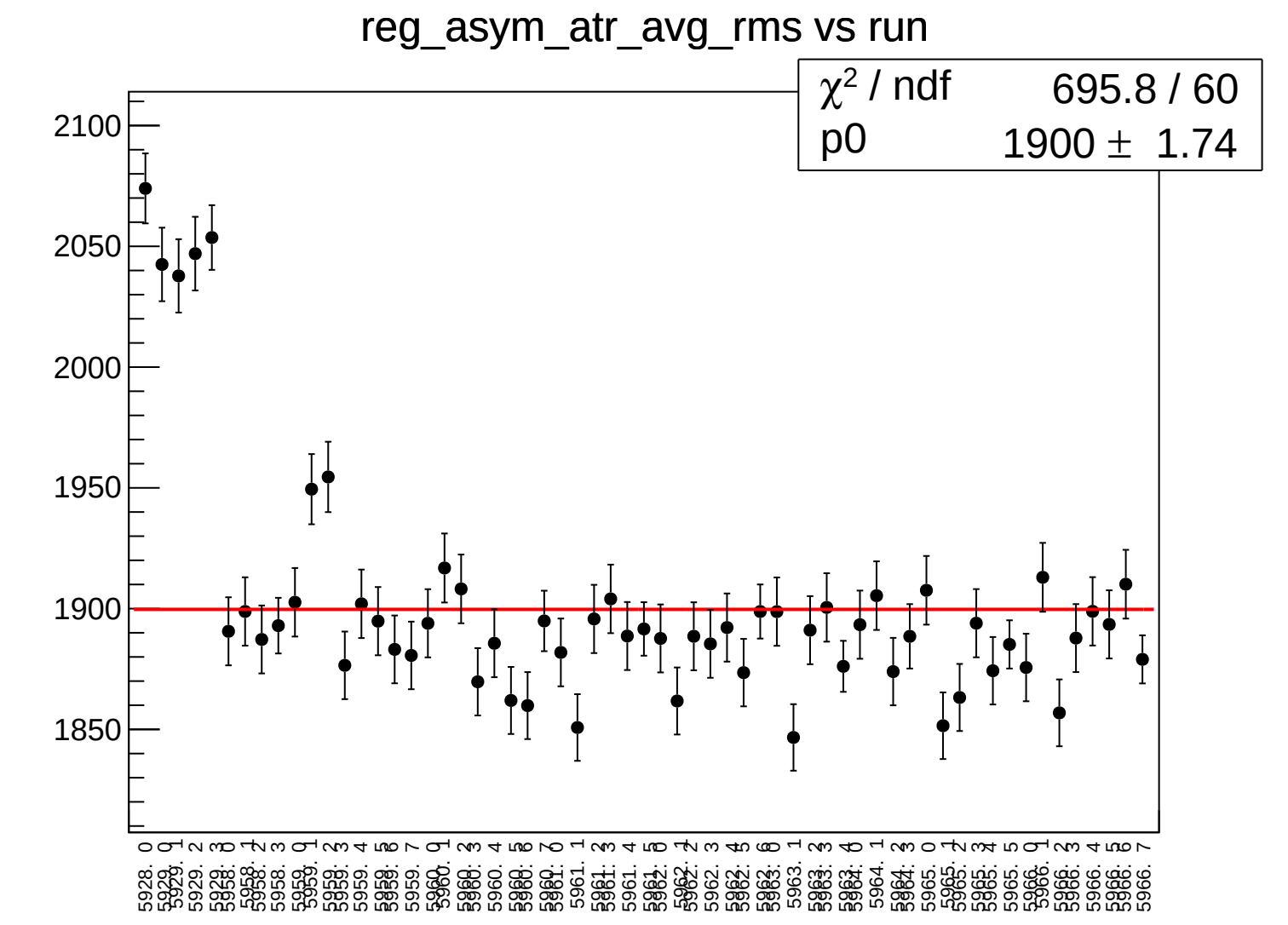

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.32 / 60
p0 1.404e−14 ± 9.742e−14
pull
Entries 61
Mean −5.398
Std Dev 0

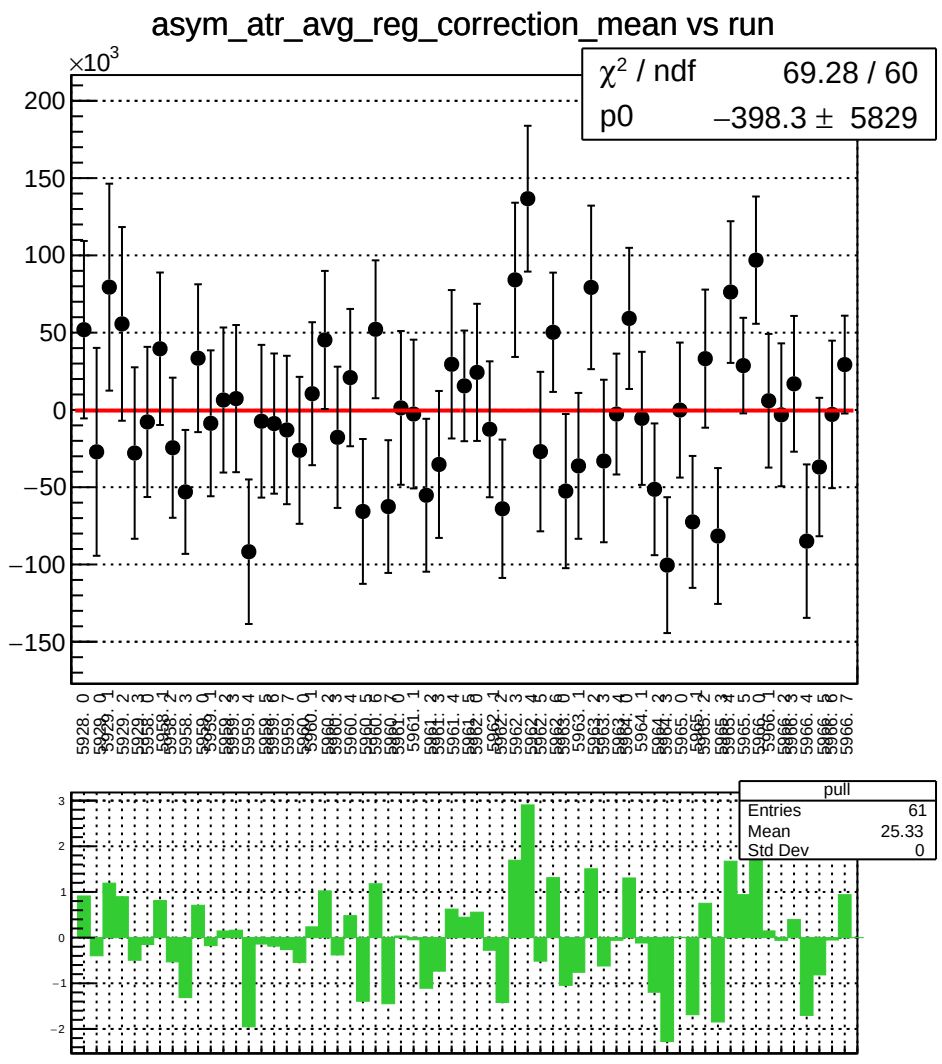

pull1D
Entries 61
Mean −0.1351
Std Dev 1.147

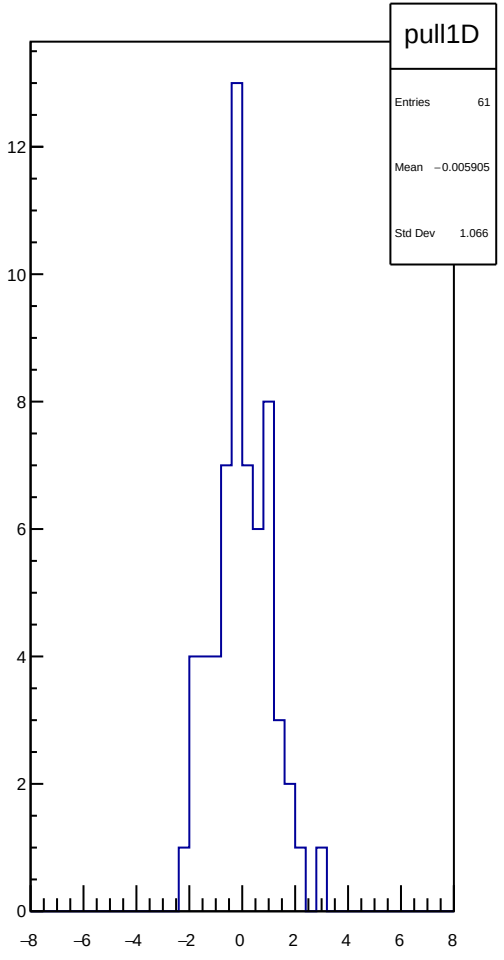

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.001e+05 / 60
p0 4.317e−11 ± 6.889e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

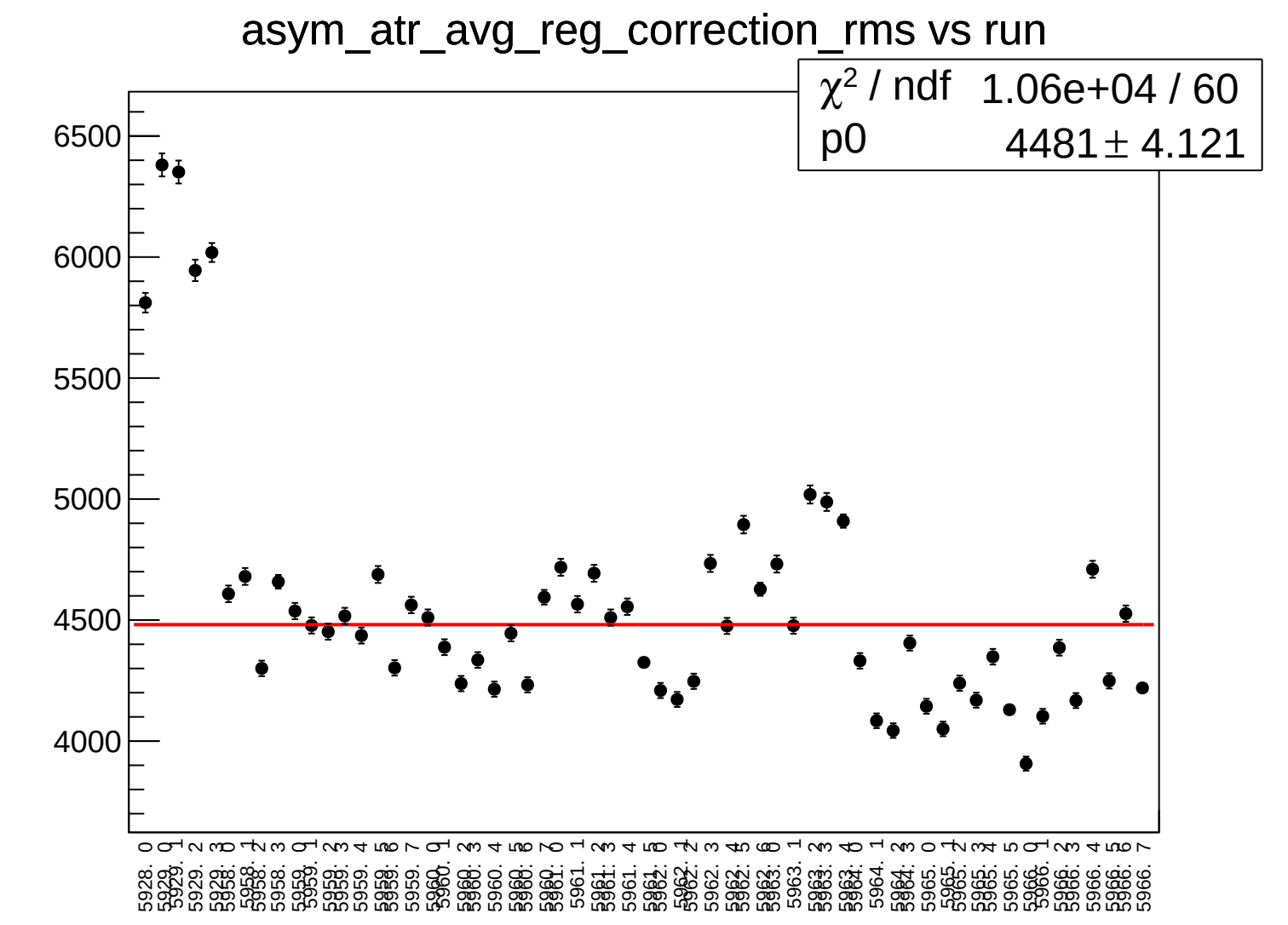

reg_asym_atr_avg_mean vs run
χ² / ndf 42.98 / 60
p0 −4763 ± 2461
pull
Entries 61
Mean −119
Std Dev 0

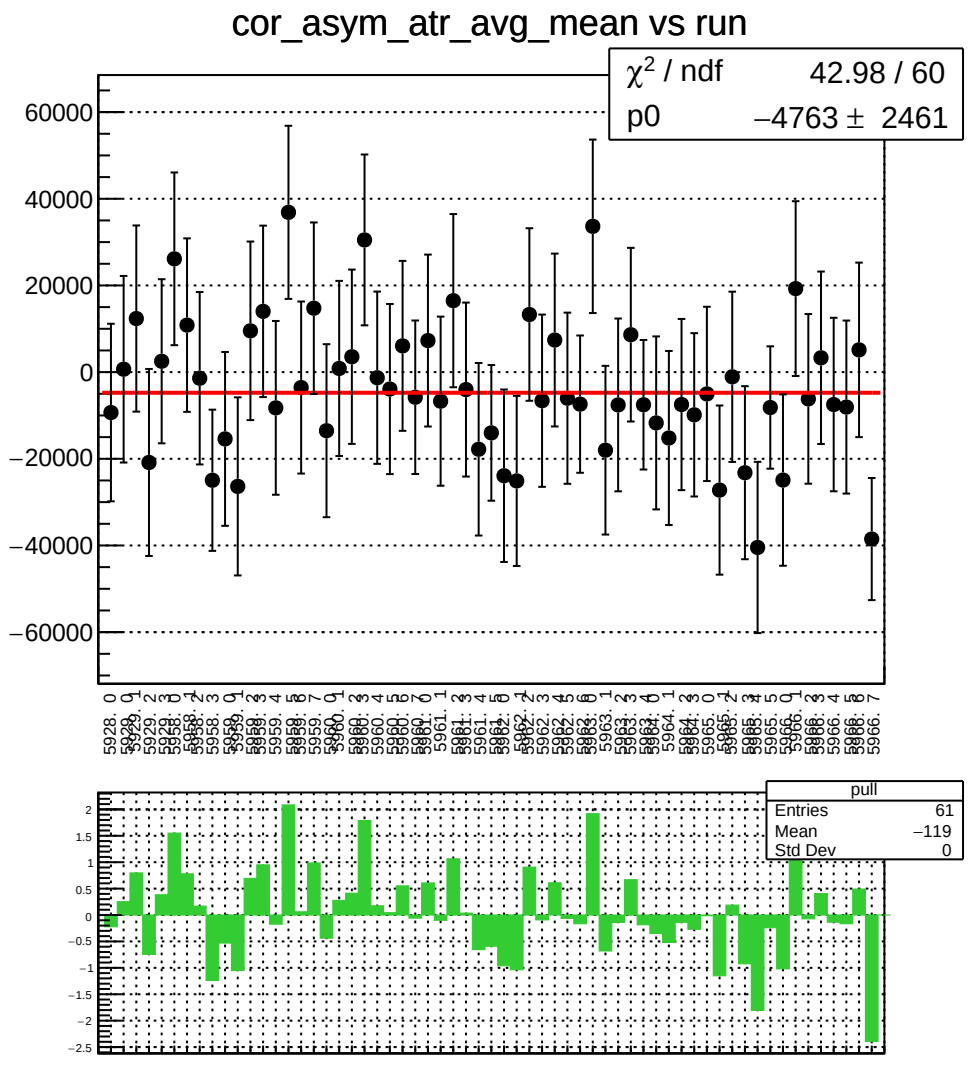

pull1D
Entries 61
Mean 0.02811
Std Dev 0.8389

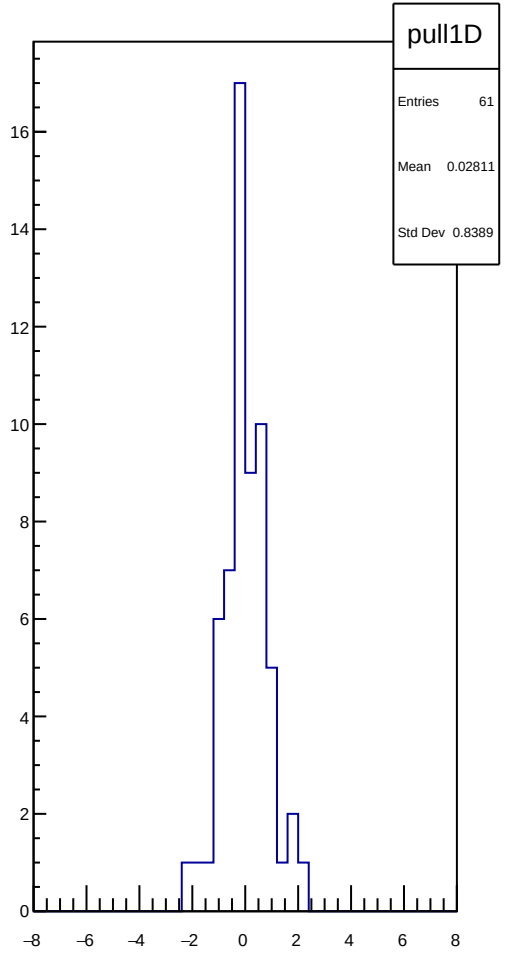

reg_asym_atr_avg_rms vs run
χ² / ndf 695.8 / 60
p0 1900 ± 1.74
2100
2050
2000
1950
1900
1850

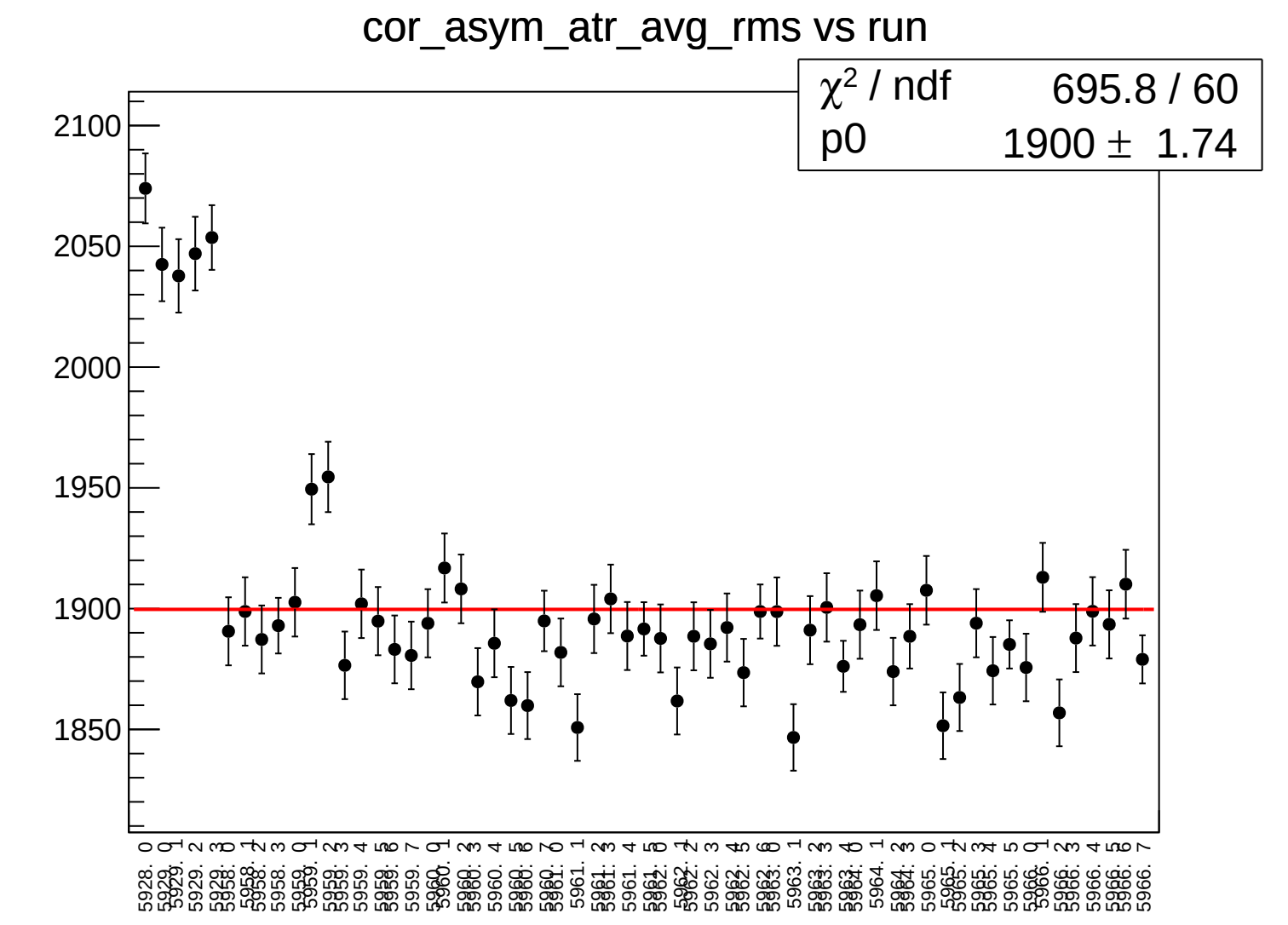

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 69.28 / 60
p0 −398.3 ± 5829
pull
Entries 61
Mean 25.33
Std Dev 0

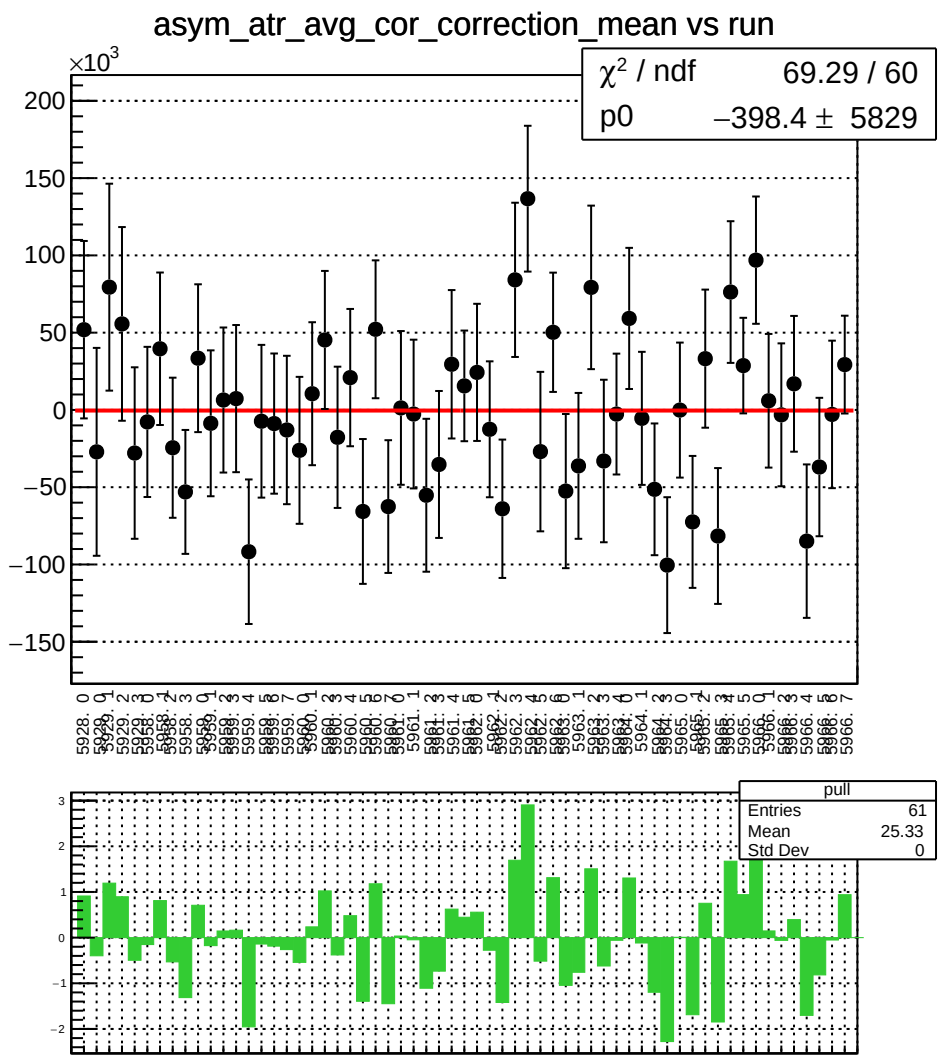

pull1D
Entries 61
Mean −0.005905
Std Dev 1.066

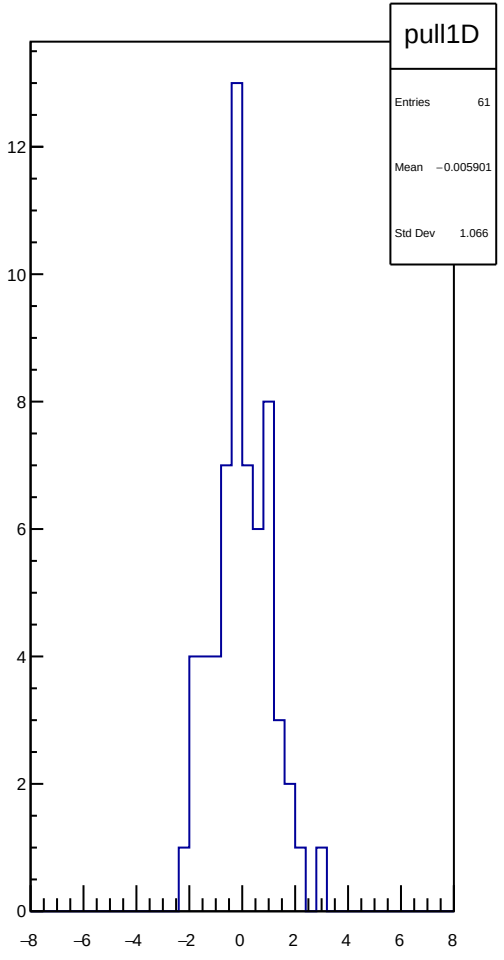

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 4481 ± 4.121
6500
6000
5500
5000
4500
4000

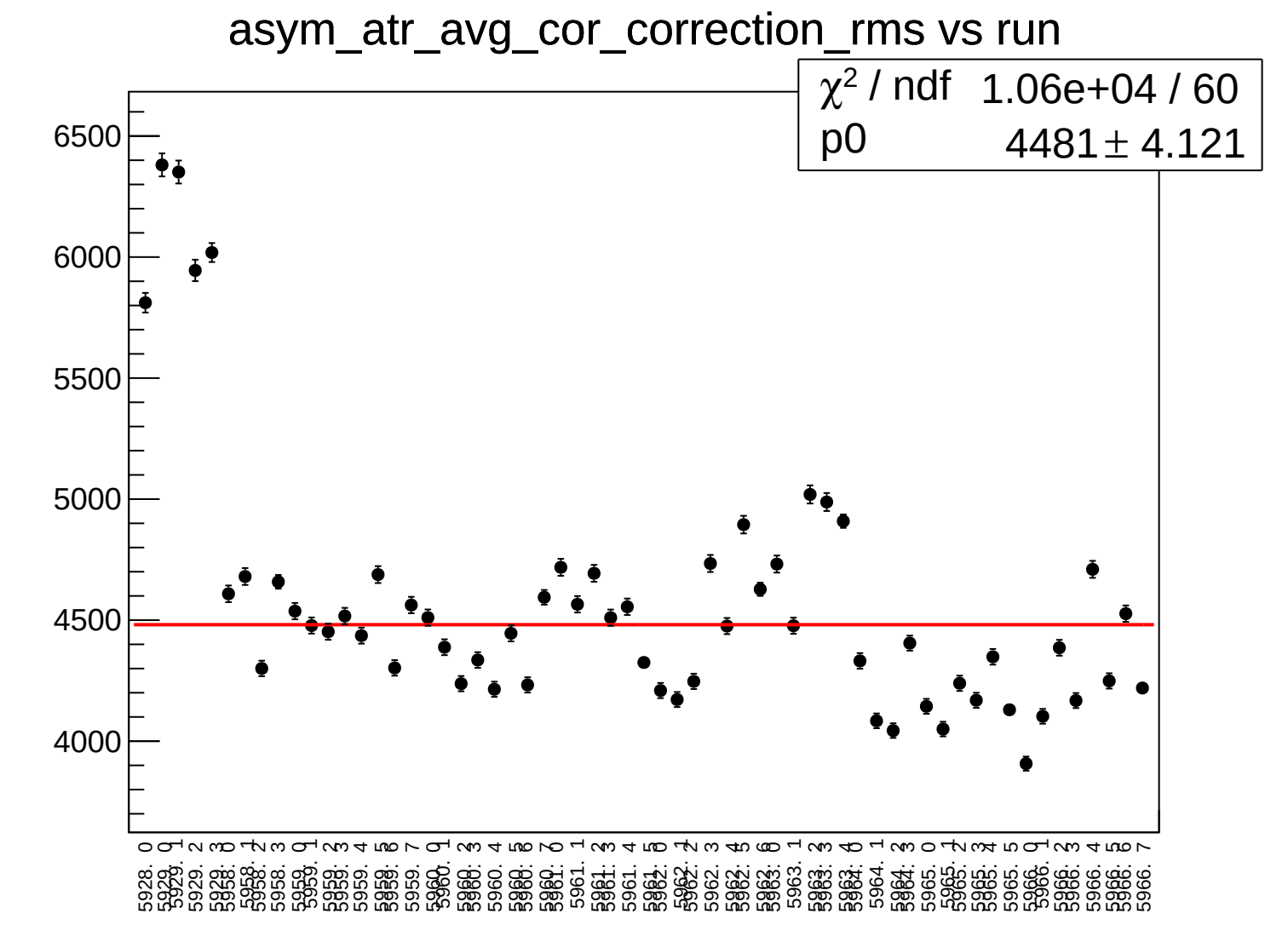

cor_asym_atr_avg_mean vs run
χ² / ndf 42.98 / 60
p0 −4763 ± 2461
pull
Entries 61
Mean −119
Std Dev 0

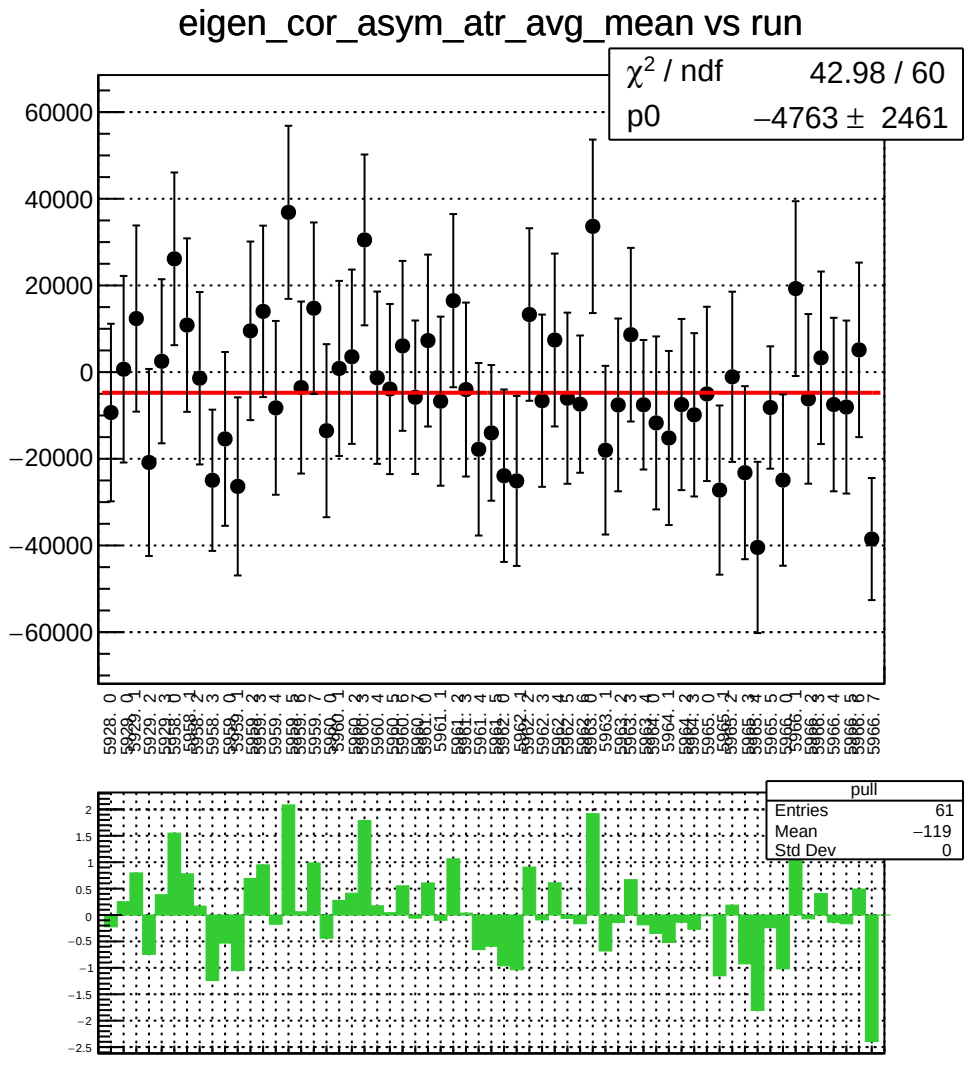

pull1D
Entries 61
Mean 0.02811
Std Dev 0.8389

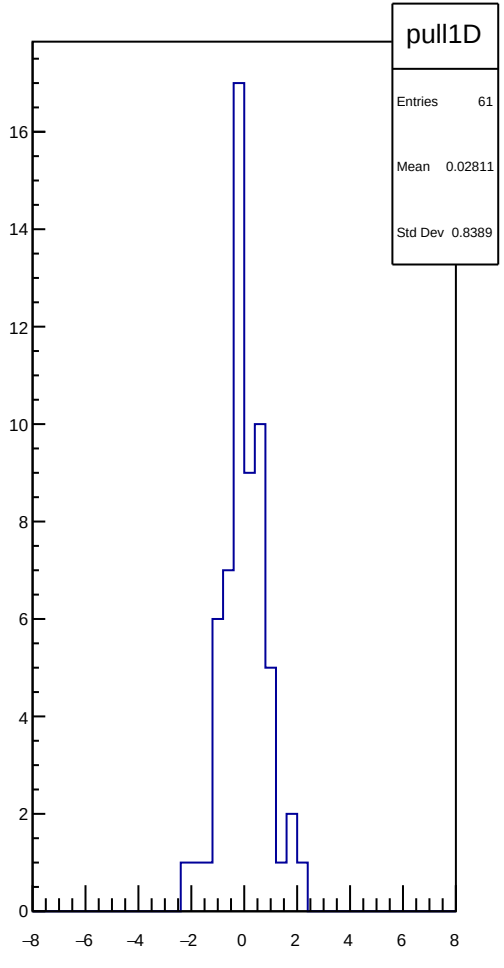

cor_asym_atr_avg_rms vs run
χ² / ndf 695.8 / 60
p0 1900 ± 1.74
2100
2050
2000
1950
1900
1850

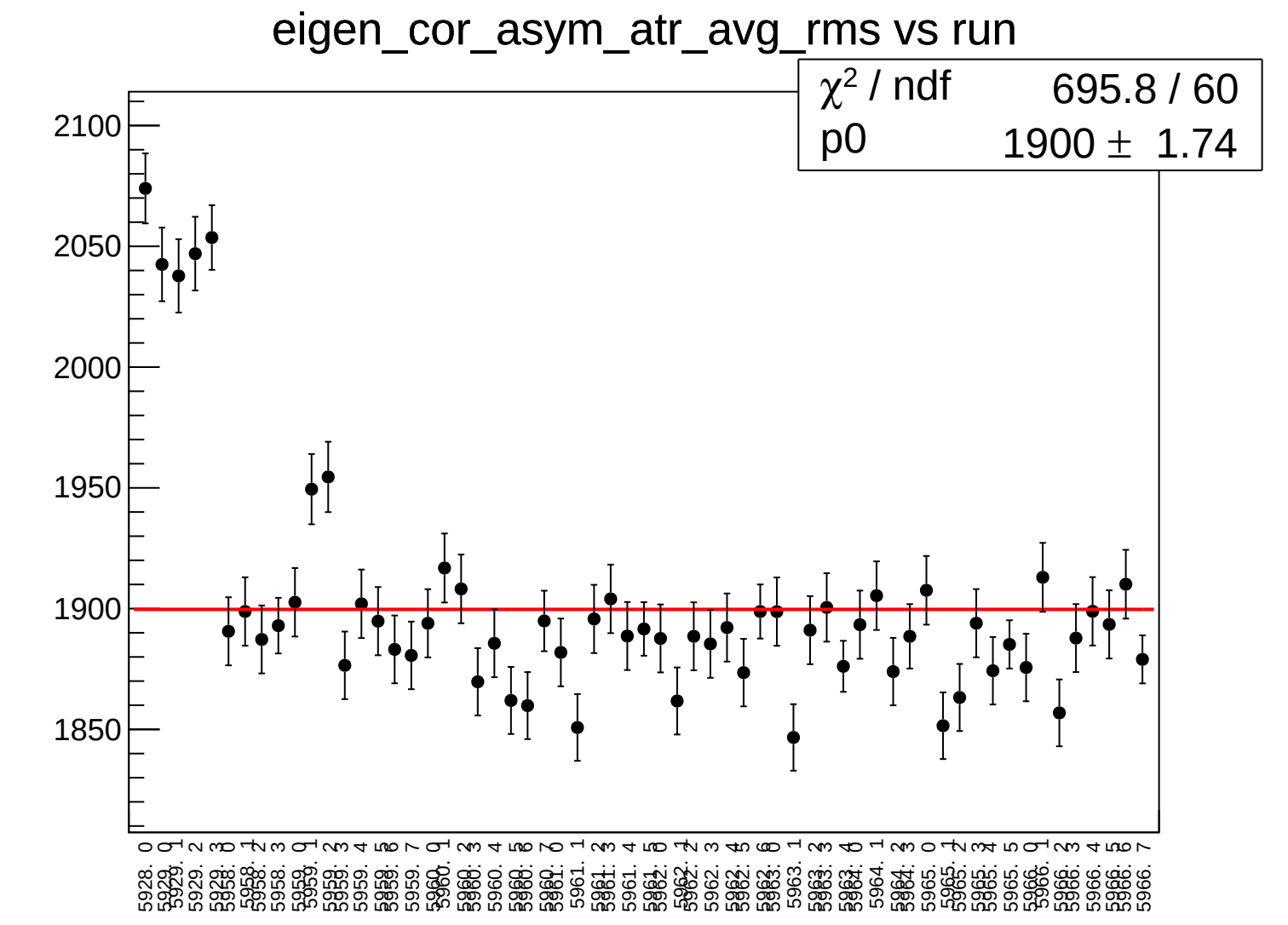

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 69.29 / 60
p0 −398.4 ± 5829
pull
Entries 61
Mean 25.33
Std Dev 0

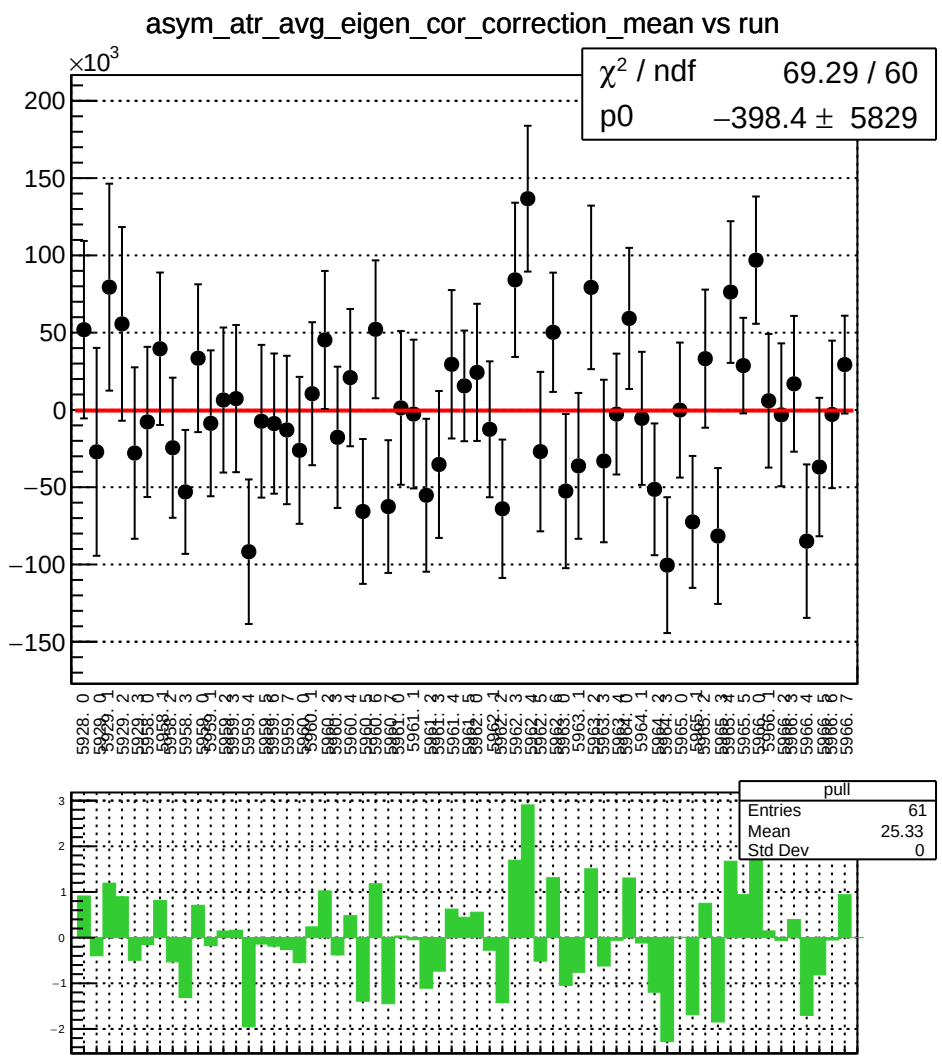

pull1D
Entries 61
Mean −0.005901
Std Dev 1.066

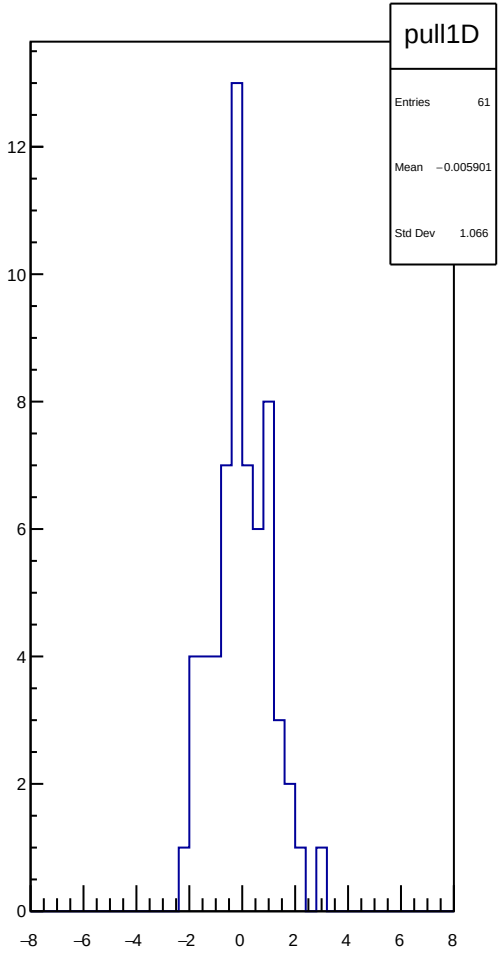

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 4481 ± 4.121
6500
6000
5500
5000
4500
4000

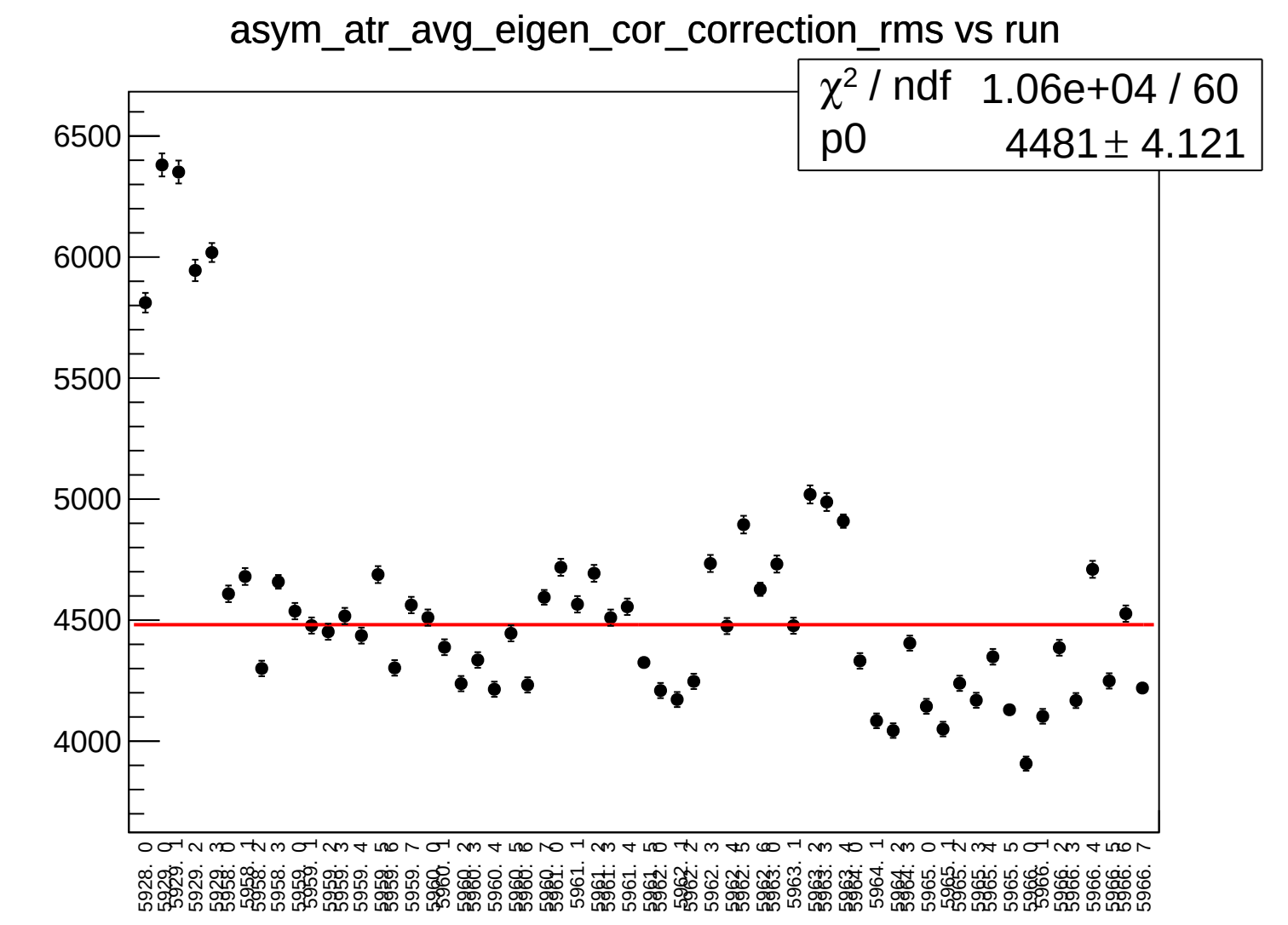

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 42.98 / 60
p0 −4763 ± 2461
pull
Entries 61
Mean −119
Std Dev 0

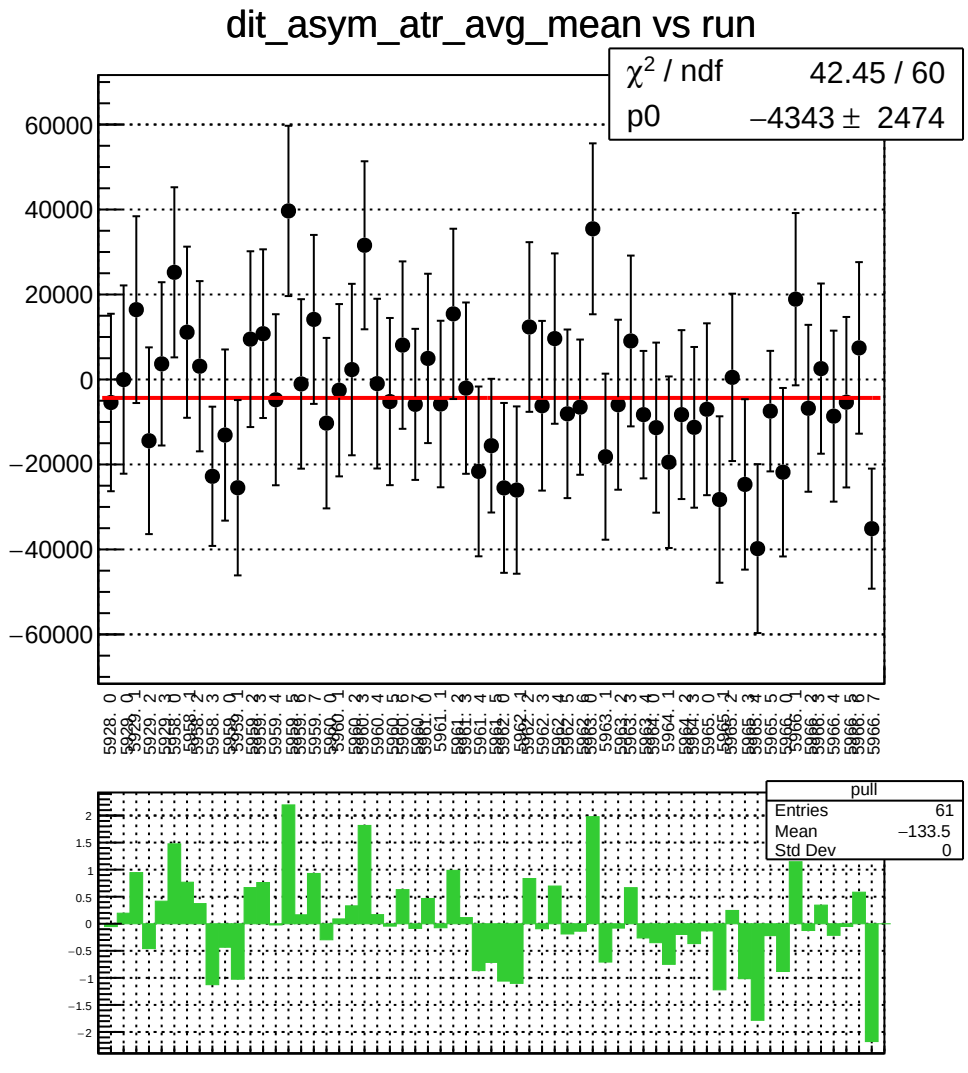

pull1D
Entries 61
Mean 0.02811
Std Dev 0.8389

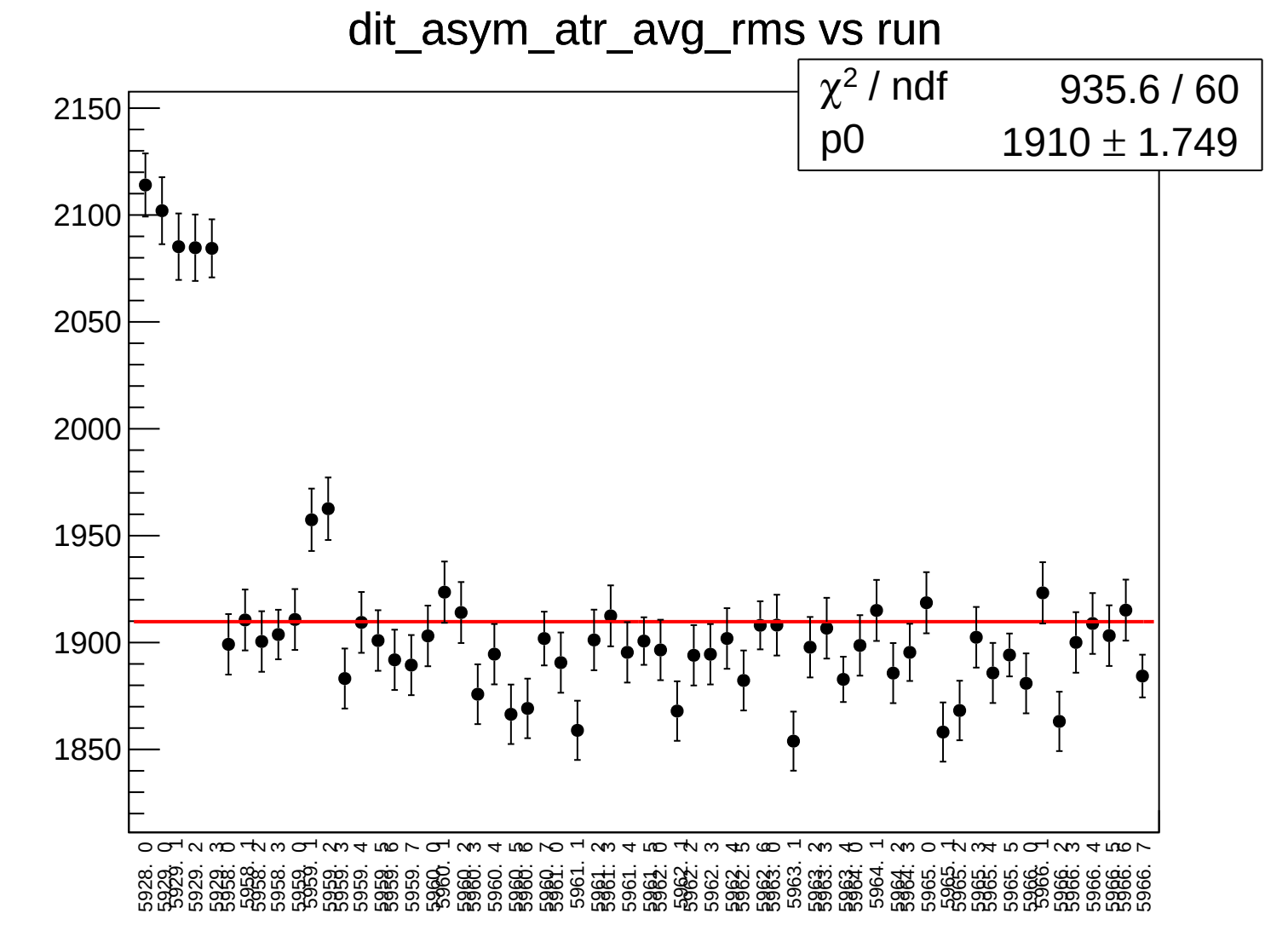

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 695.8 / 60
p0 1900 ± 1.74
2100
2050
2000
1950
1900
1850

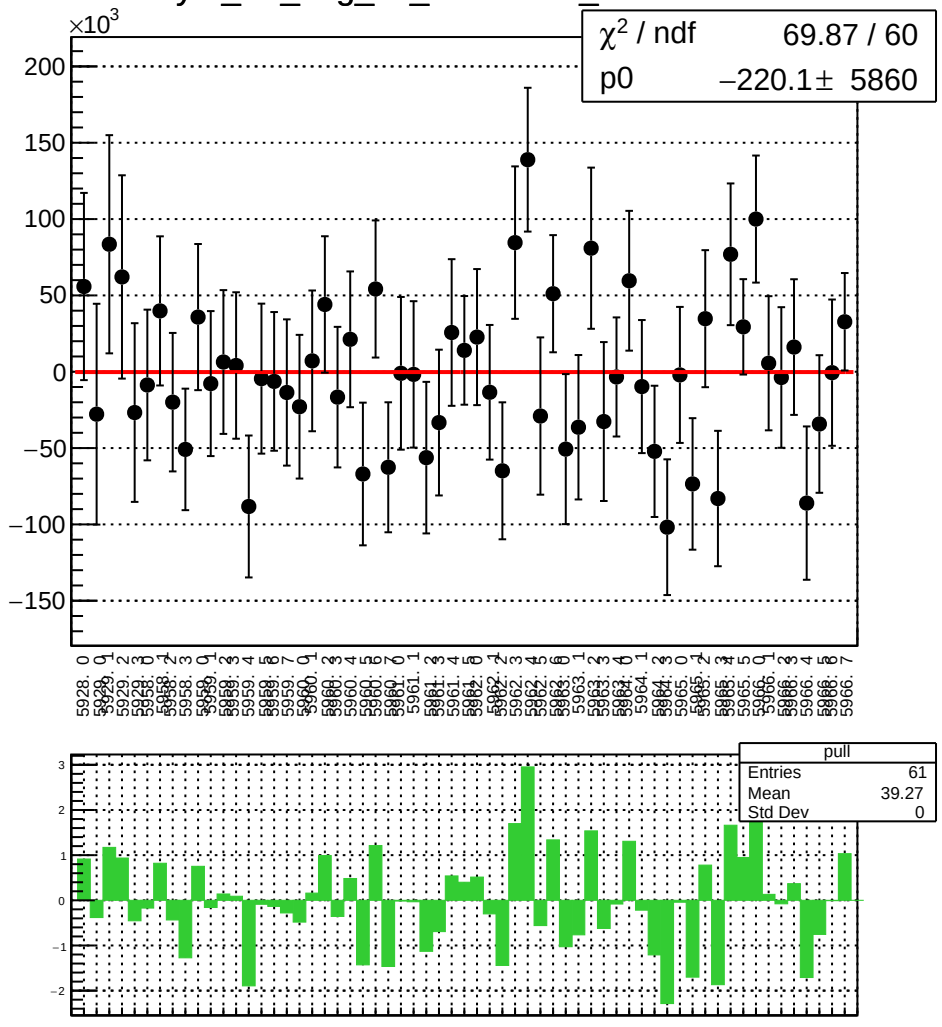

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.29 / 60
p0 −398.4 ± 5829
pull
Entries 61
Mean 25.33
Std Dev 0

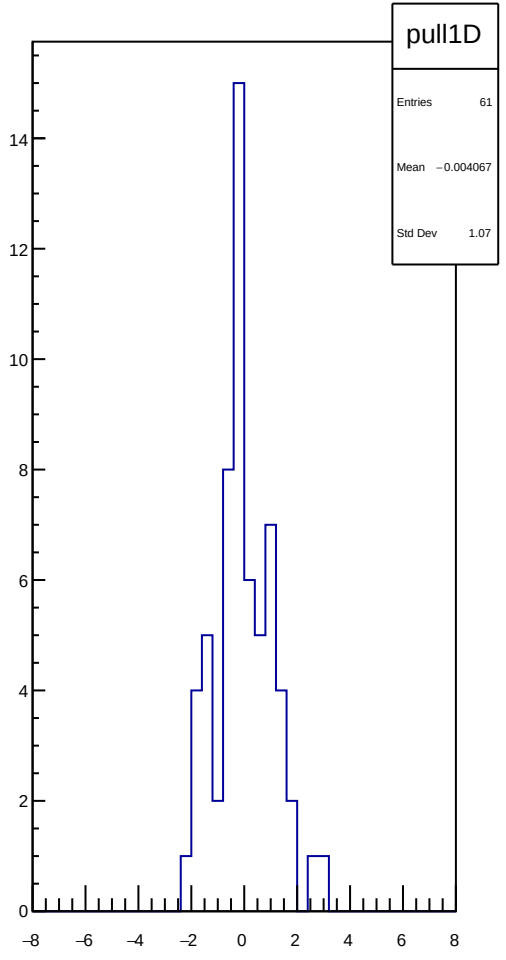

pull1D
Entries 61
Mean −0.005901
Std Dev 1.066

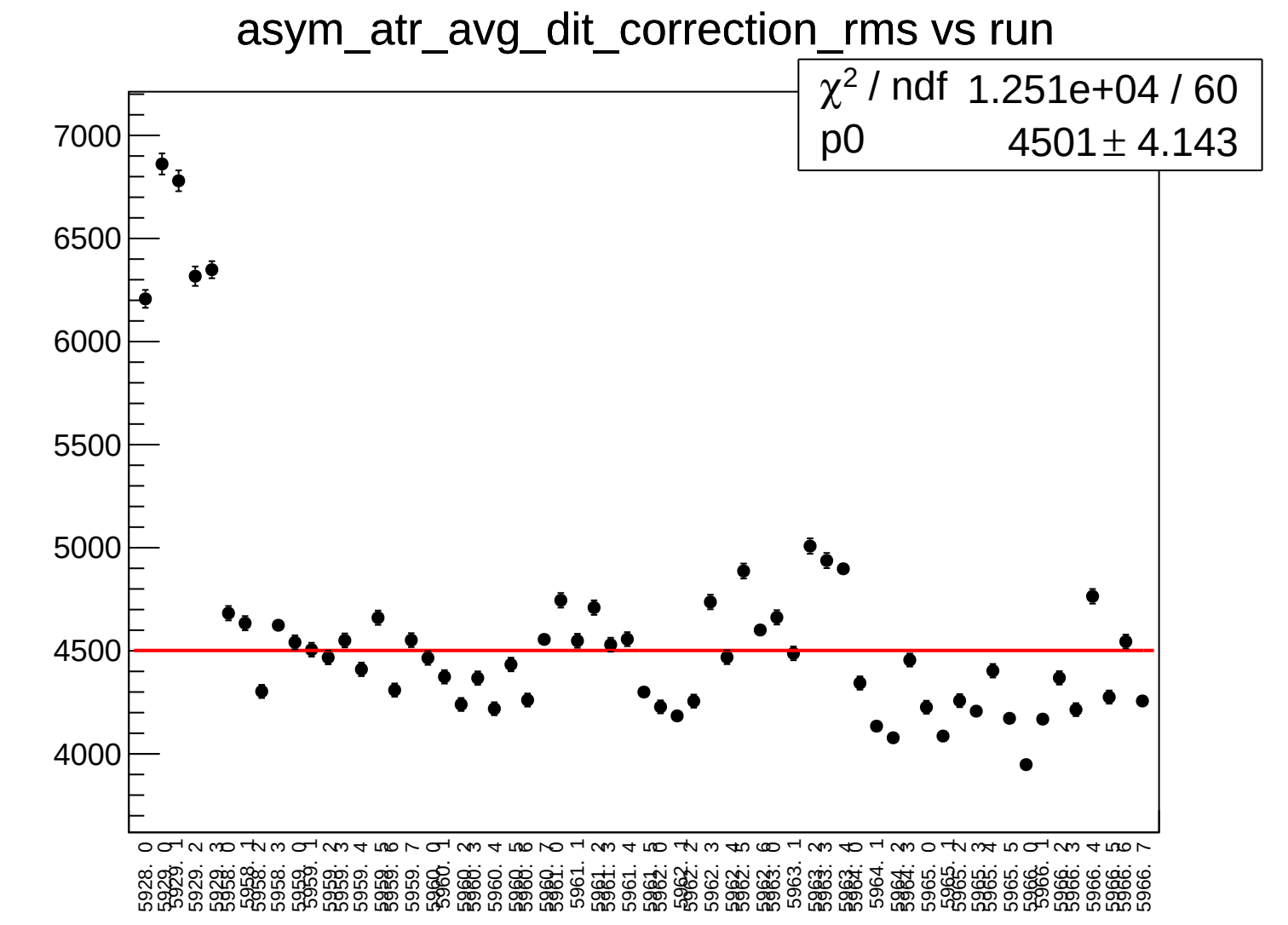

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 4481 ± 4.121
6500
6000
5500
5000
4500
4000

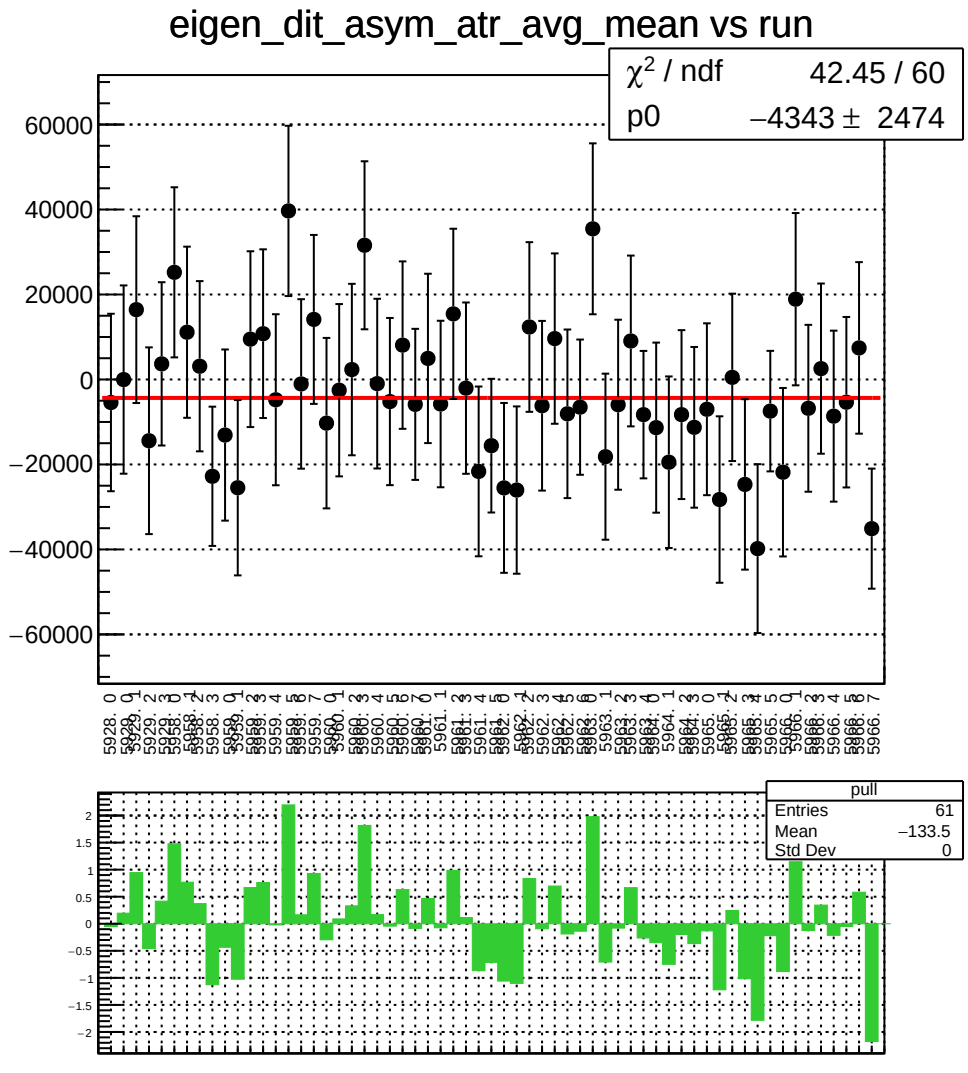

dit_asym_atr_avg_mean vs run
χ² / ndf 42.45 / 60
p0 −4343 ± 2474
pull
Entries 61
Mean −133.5
Std Dev 0
pull1D
Entries 61
Mean 0.0279
Std Dev 0.8337

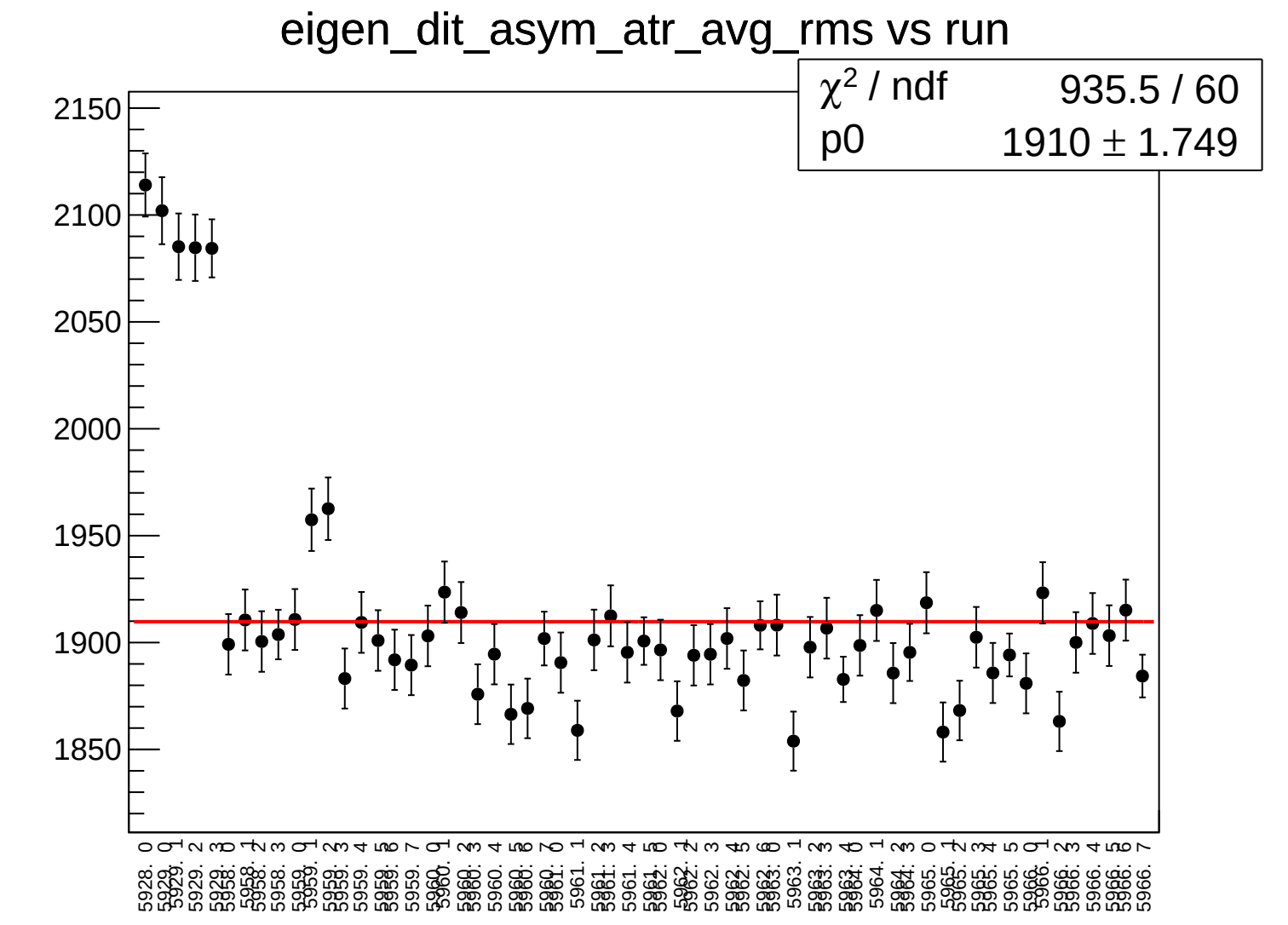

dit_asym_atr_avg_rms vs run
χ^2 / ndf 935.6 / 60
p0 1910 ± 1.749
2150
2100
2050
2000
1950
1900
1850

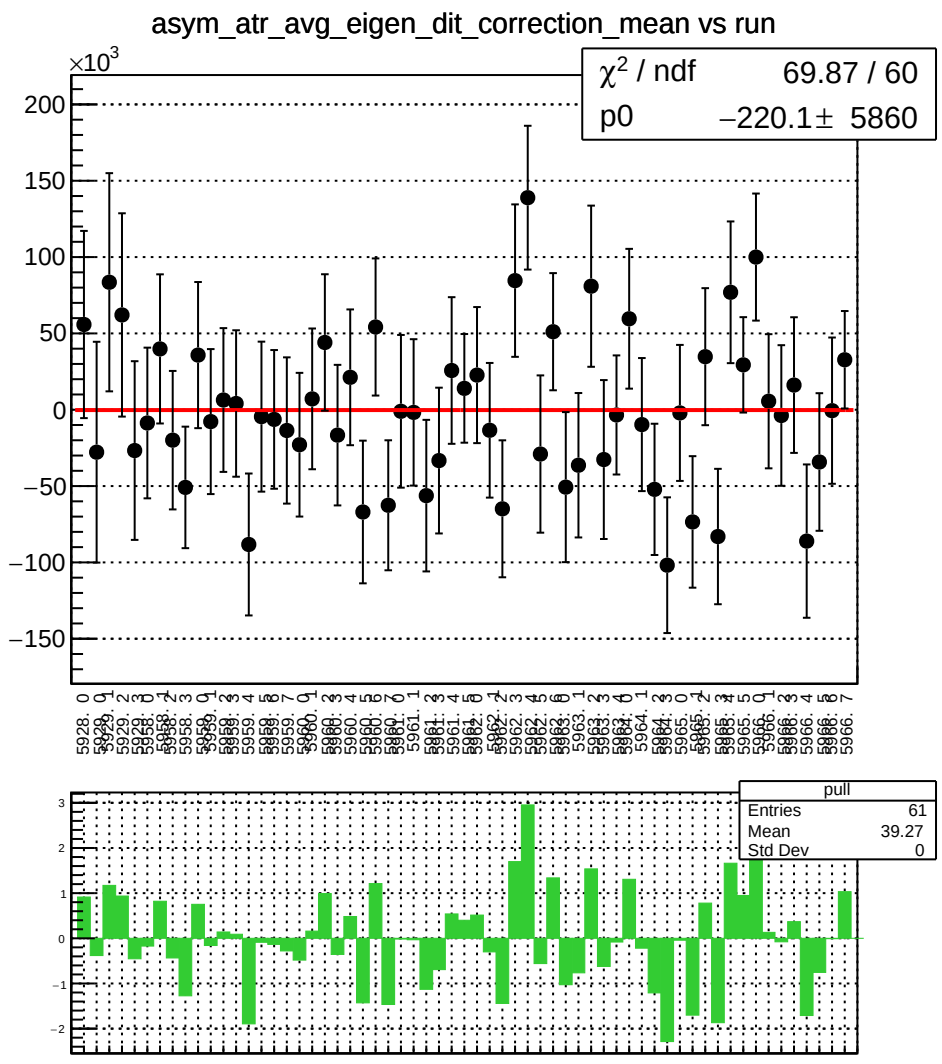

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 69.87 / 60
p0 −220.1± 5860
200
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 39.27
Std Dev 0
3
2
1
0
−1
−2

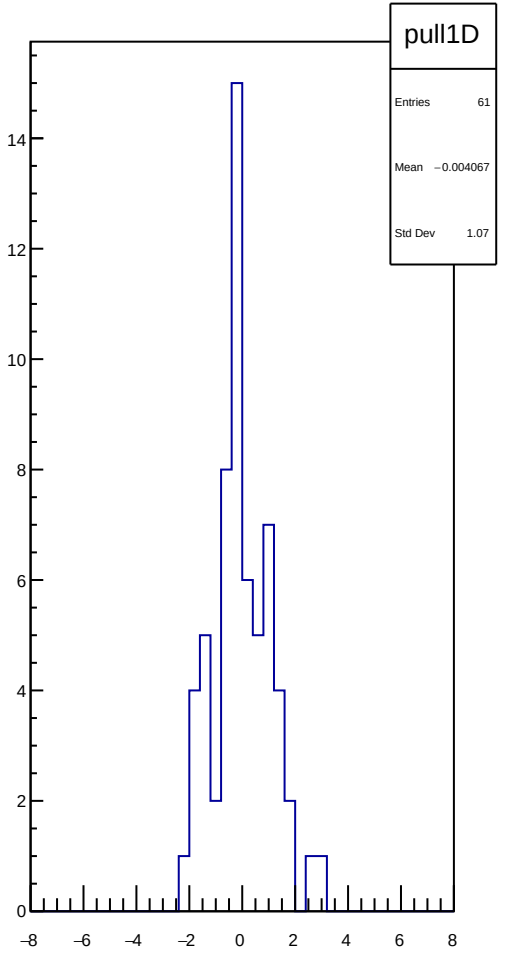

pull1D
Entries 61
Mean −0.004067
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

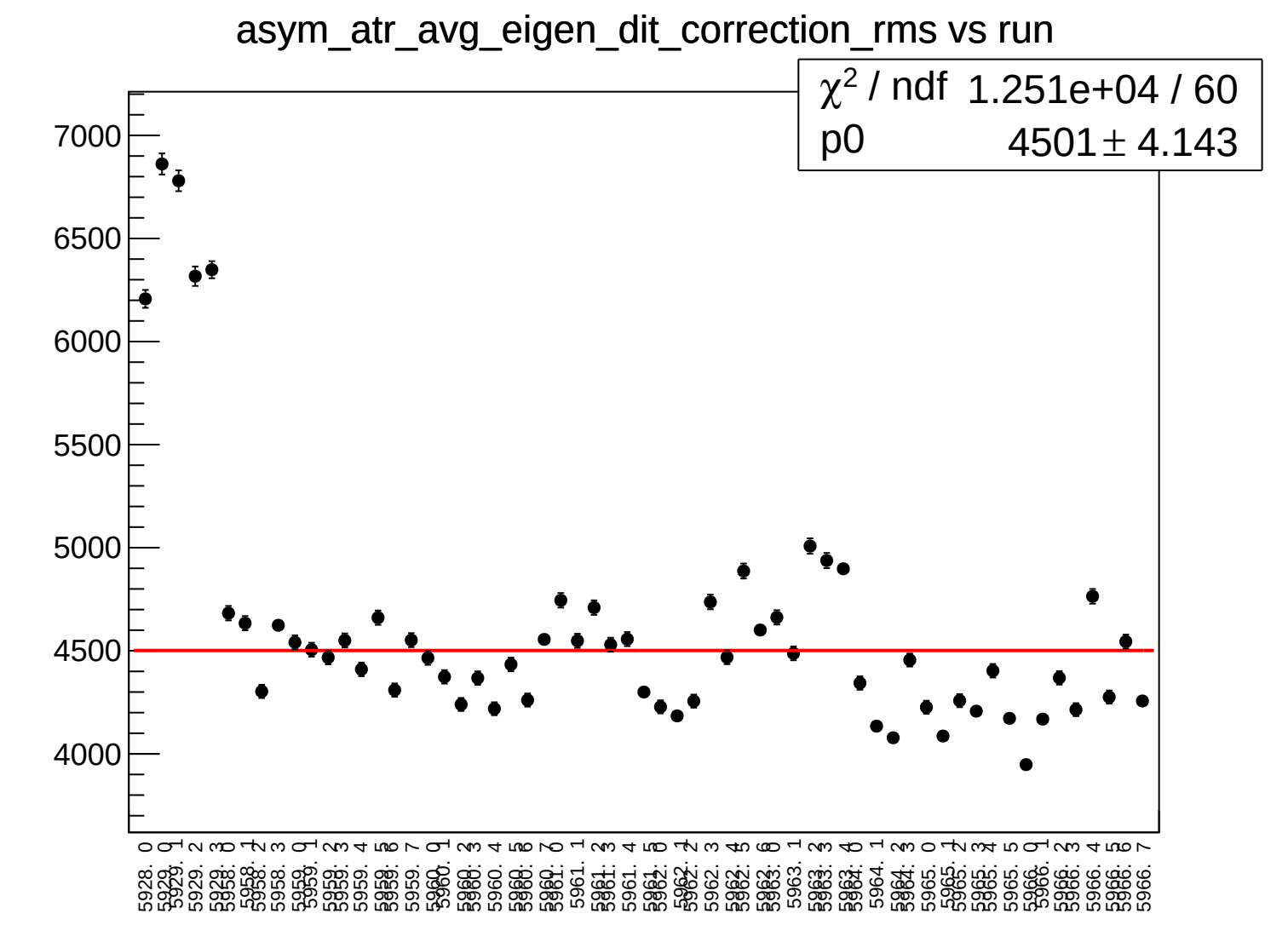

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 1.251e+04 / 60
p0 4501 ± 4.143
7000
6500
6000
5500
5000
4500
4000

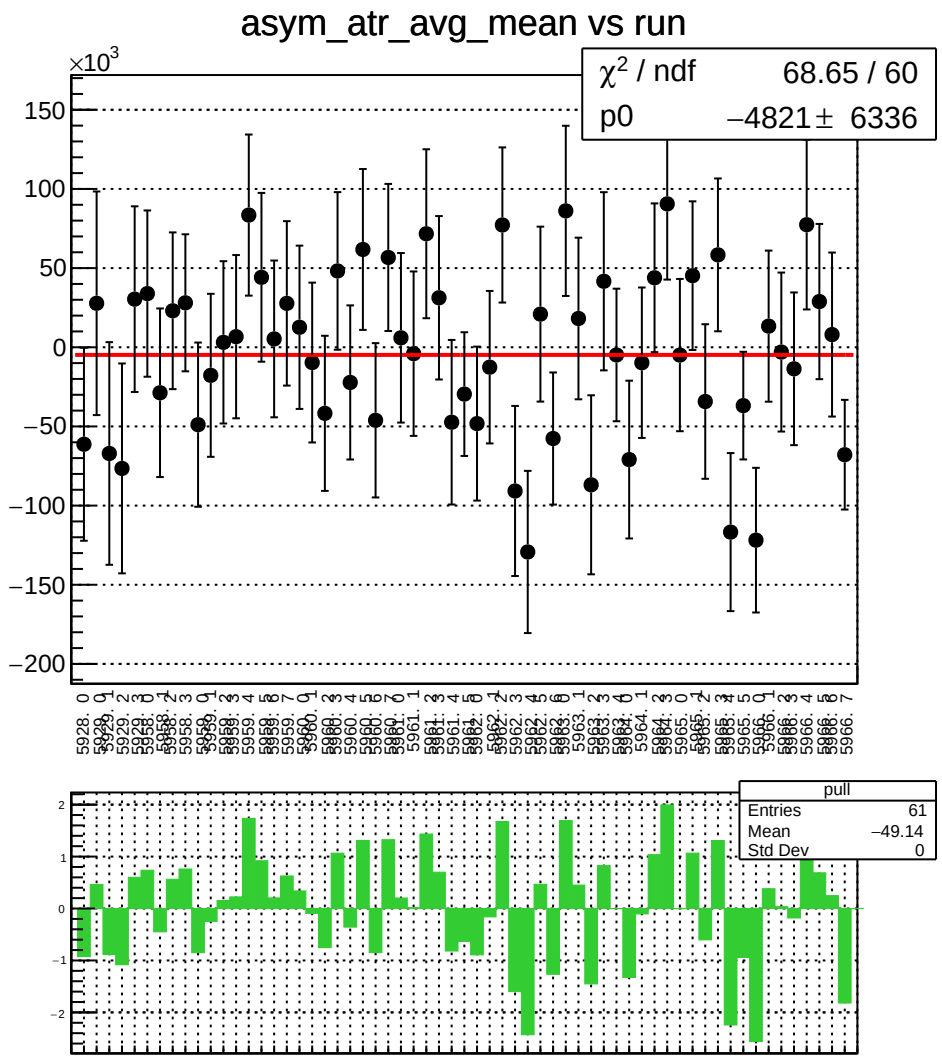

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 42.45 / 60
p0 −4343 ± 2474
pull
Entries 61
Mean −133.5
Std Dev 0
pull1D
Entries 61
Mean 0.0279
Std Dev 0.8337

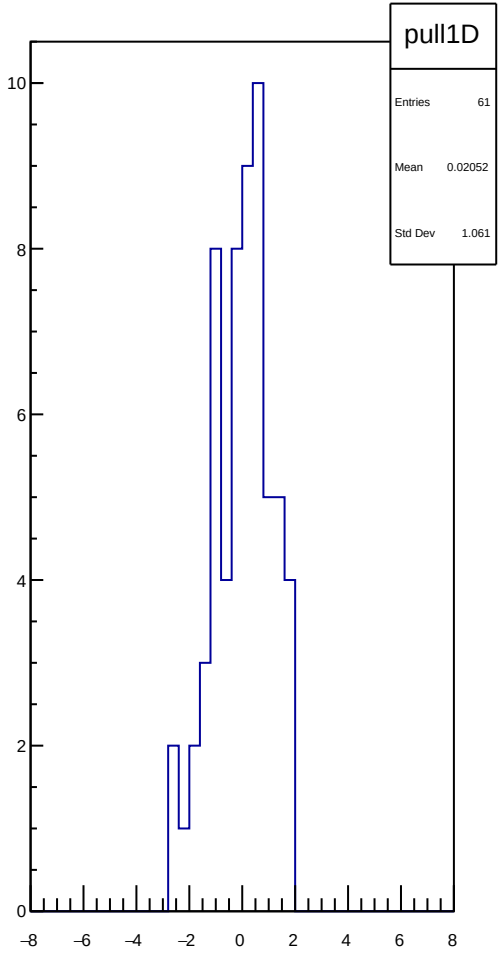

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 935.5 / 60
p0 1910 ± 1.749
2150
2100
2050
2000
1950
1900
1850

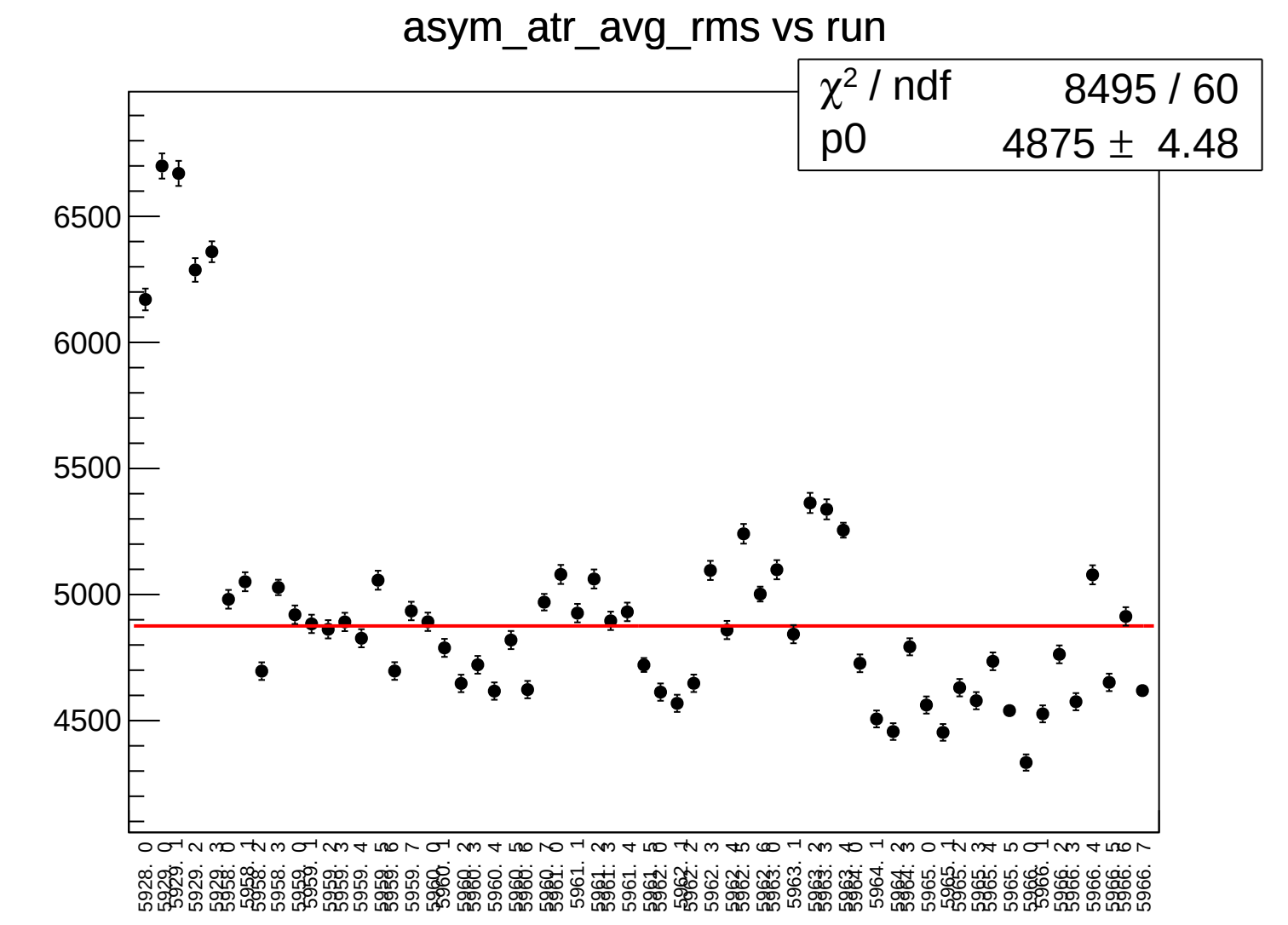

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 69.87 / 60
p0 −220.1± 5860
pull
Entries 61
Mean 39.27
Std Dev 0

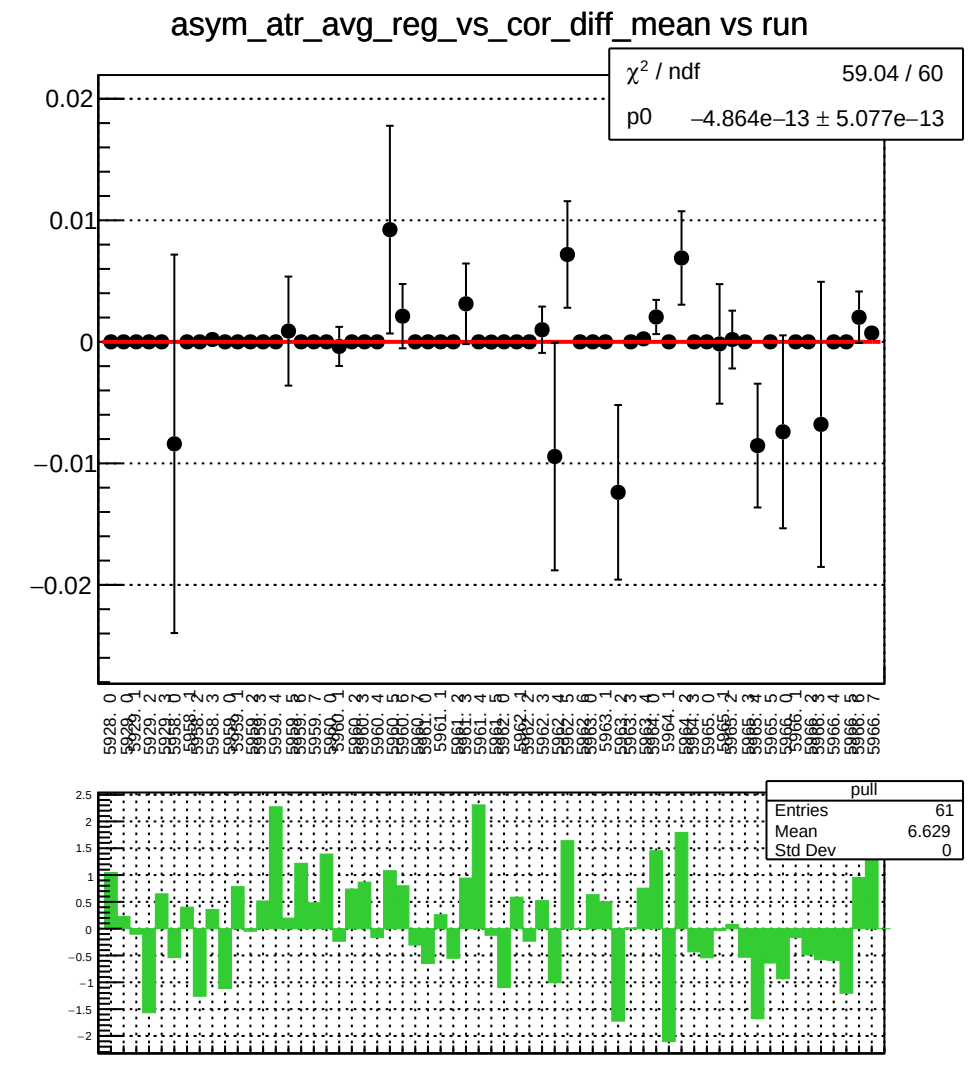

pull1D
Entries 61
Mean −0.004067
Std Dev 1.07

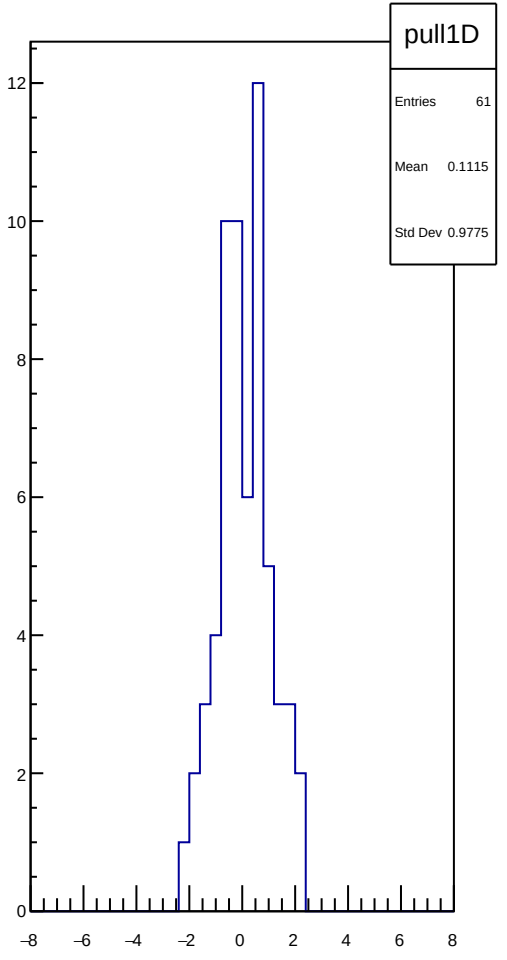

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.251e+04 / 60
p0 4501 ± 4.143
7000
6500
6000
5500
5000
4500
4000

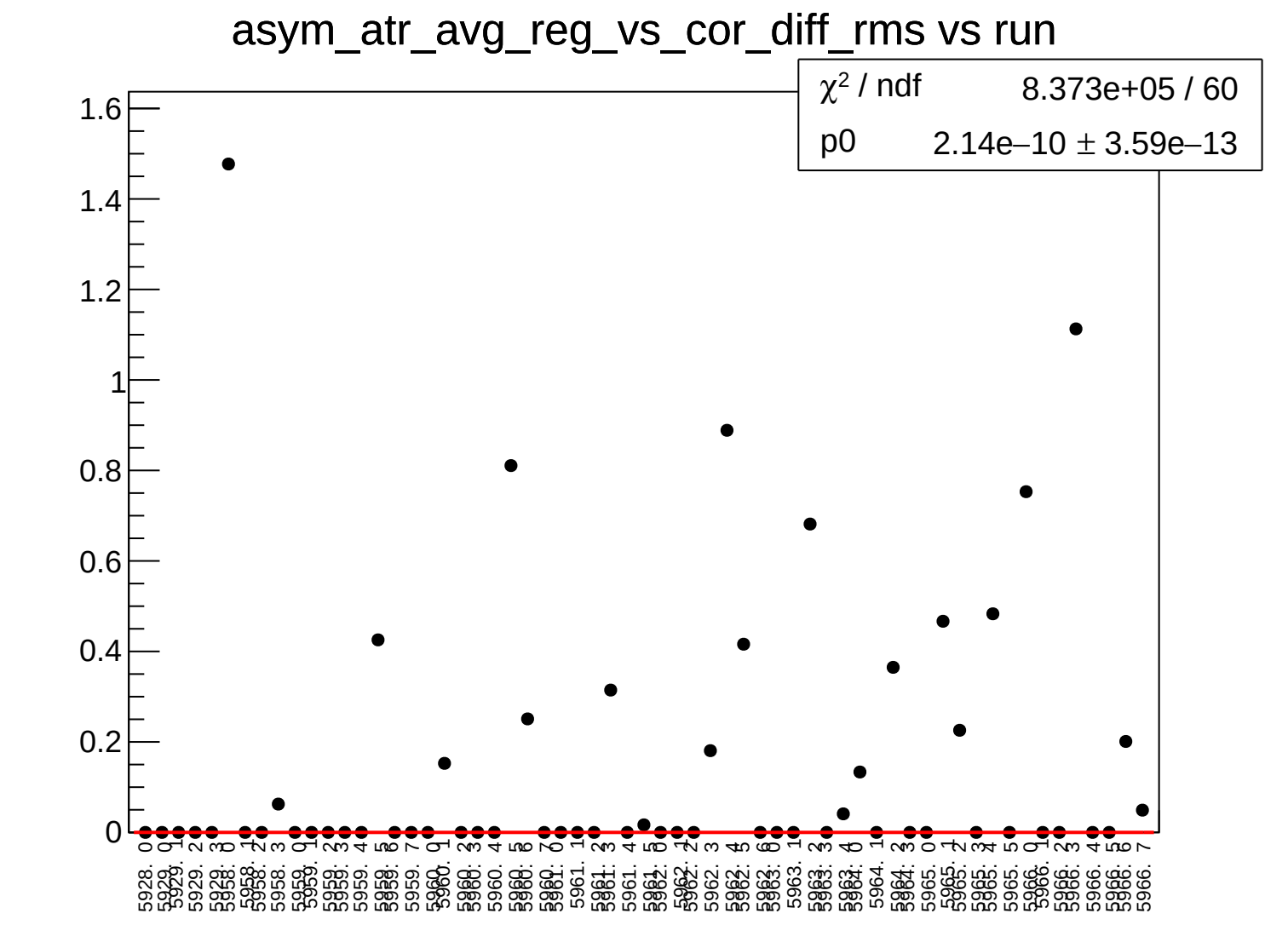

asym_atr_avg_mean vs run
×10^3
χ² / ndf 68.65 / 60
p0 −4821 ± 6336
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean −49.14
Std Dev 0
2
1
0
−1
−2

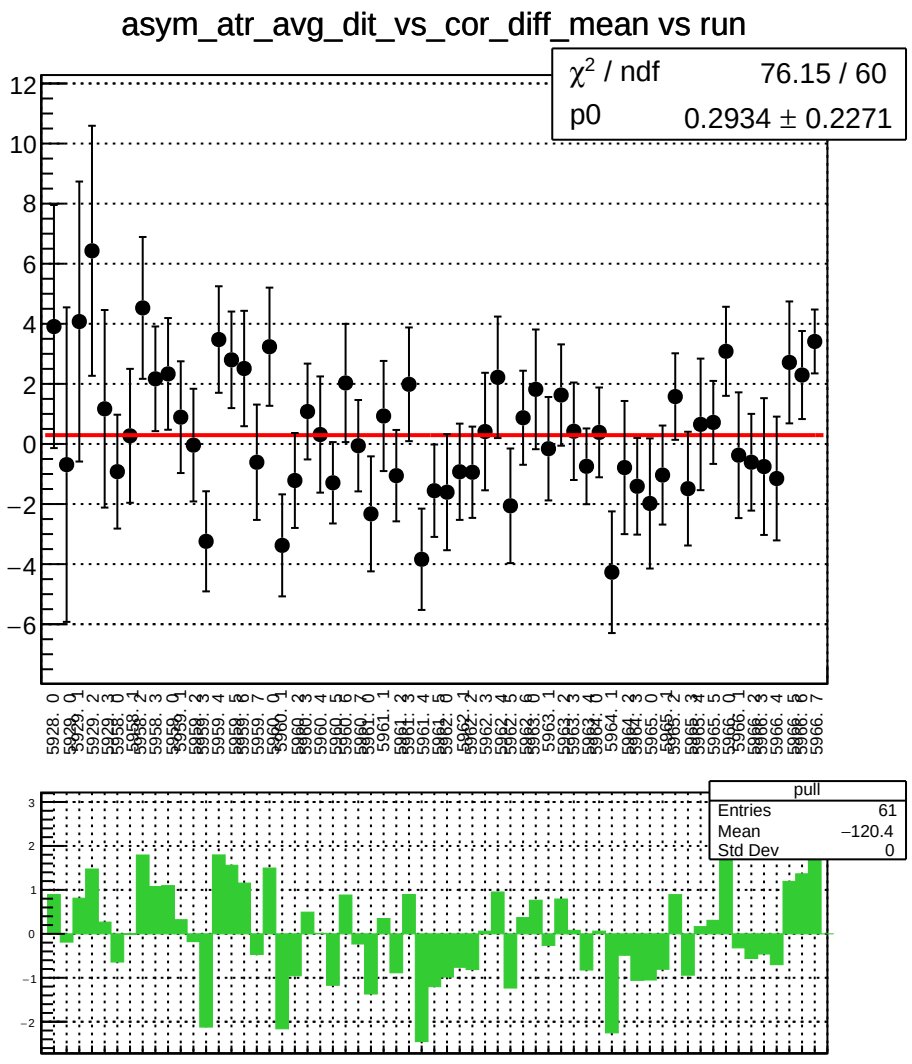

pull1D
Entries 61
Mean 0.02052
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

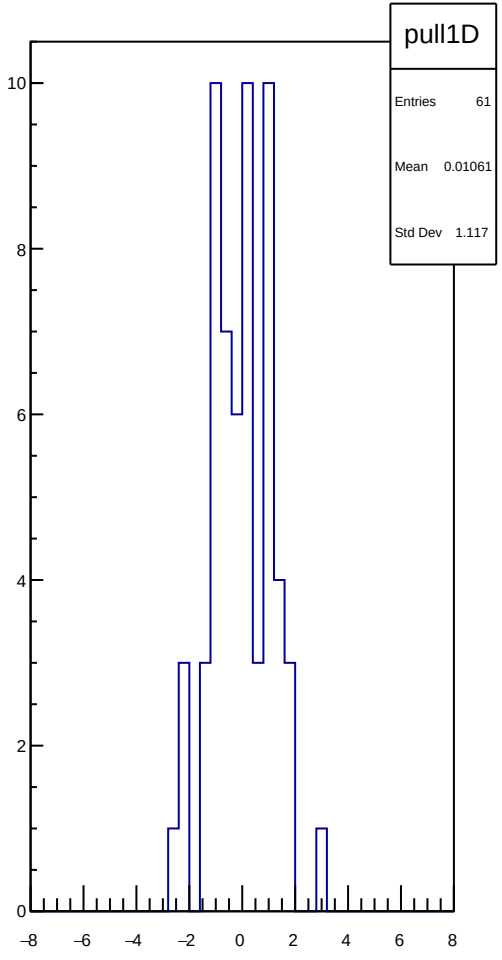

asym_atr_avg_rms vs run
χ² / ndf 8495 / 60
p0 4875 ± 4.48
6500
6000
5500
5000
4500

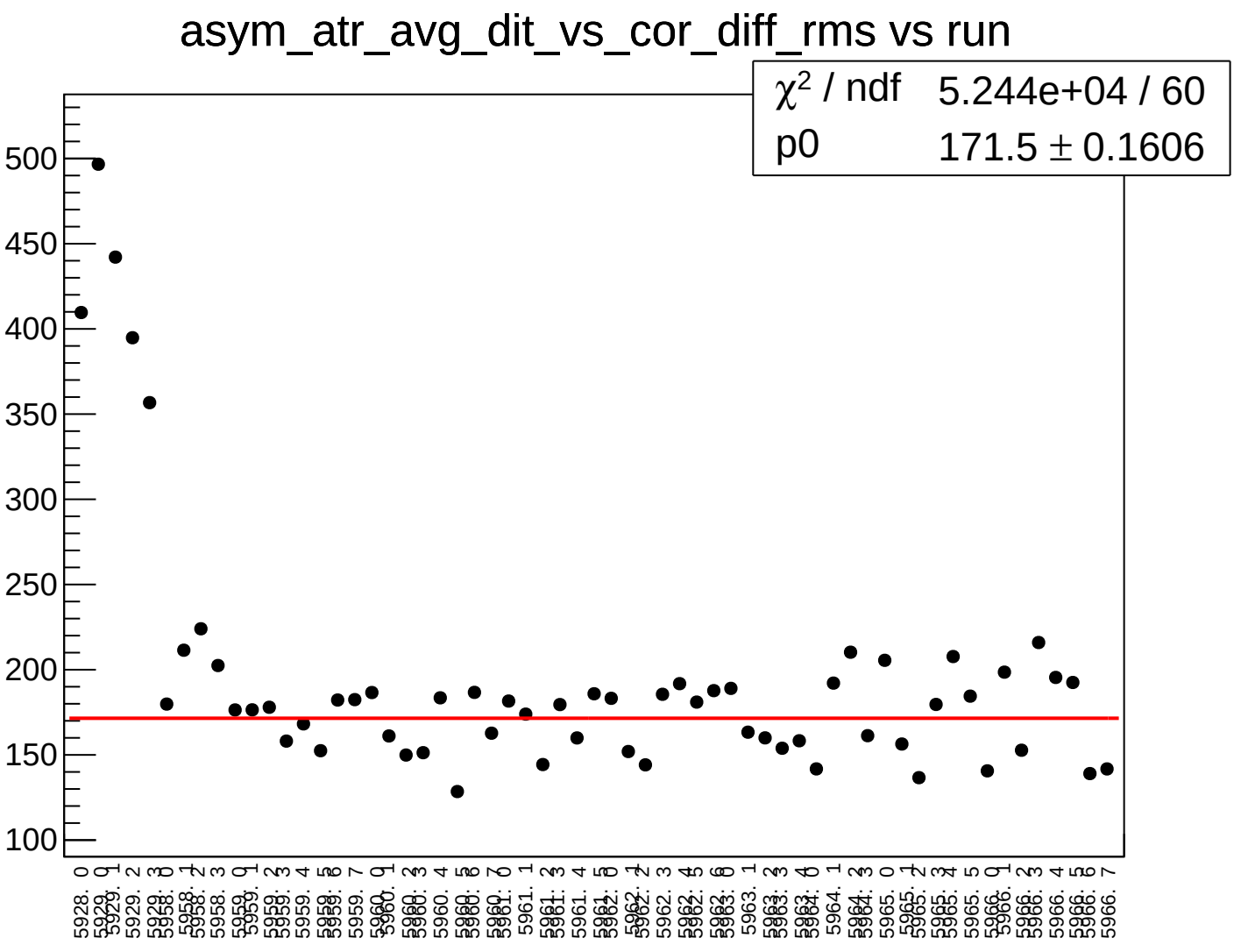

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.04 / 60
p0 −4.864e−13 ± 5.077e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 61
Mean 6.629
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

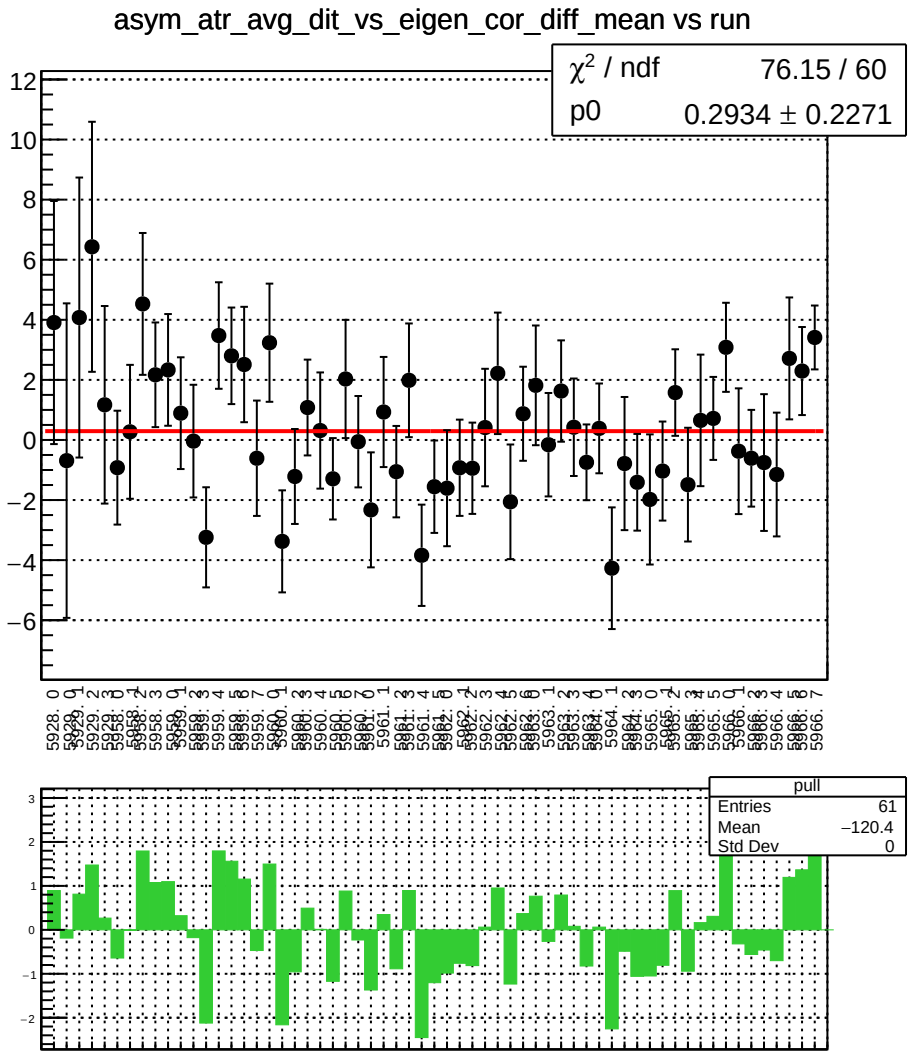

pull1D
Entries 61
Mean 0.1115
Std Dev 0.9775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

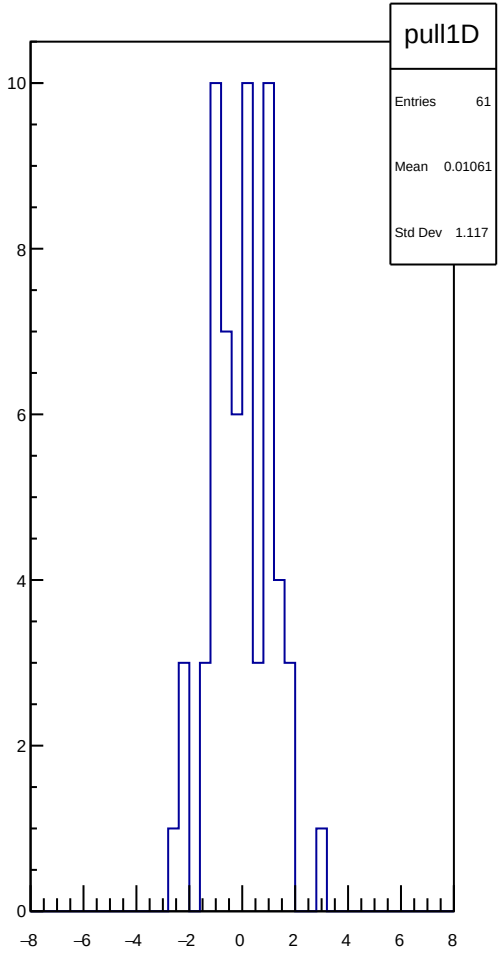

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.373e+05 / 60
p0 2.14e−10 ± 3.59e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

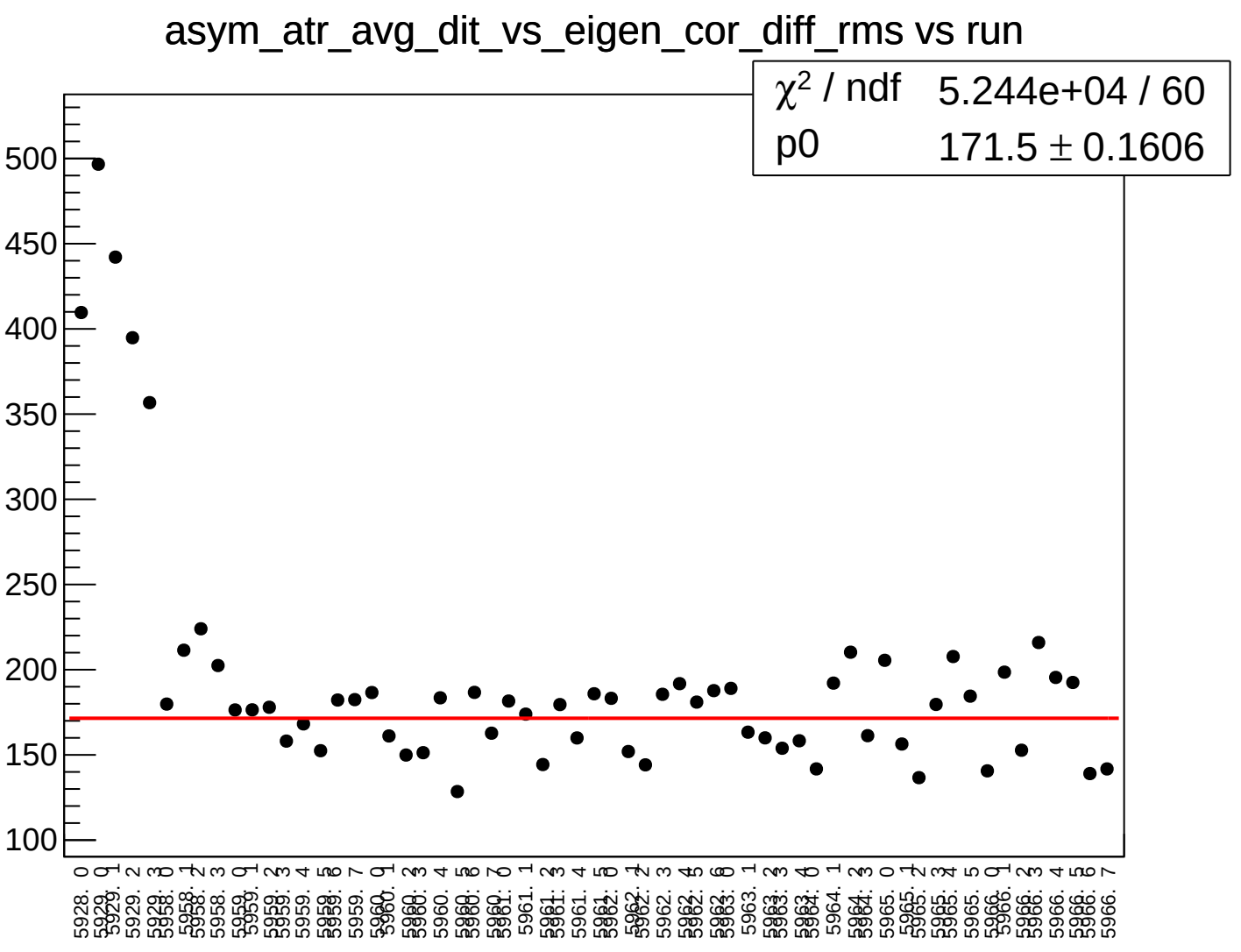

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.15 / 60
p0 0.2934 ± 0.2271
pull
Entries 61
Mean −120.4
Std Dev 0

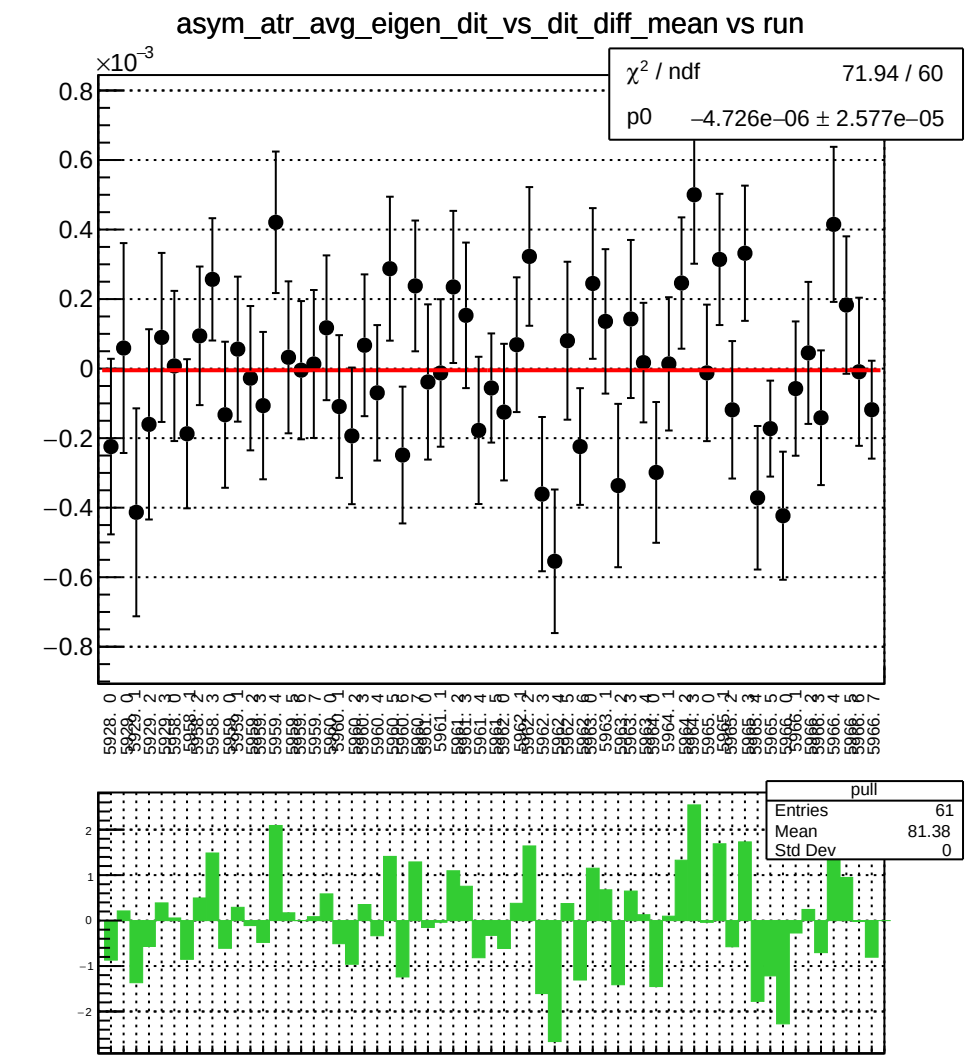

pull1D
Entries 61
Mean 0.01061
Std Dev 1.117

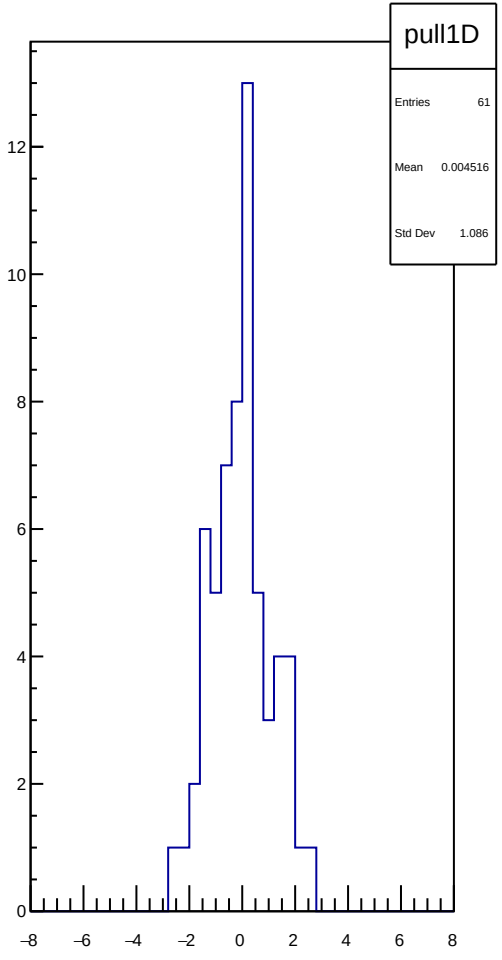

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.244e+04 / 60
p0 171.5 ± 0.1606
500
450
400
350
300
250
200
150
100

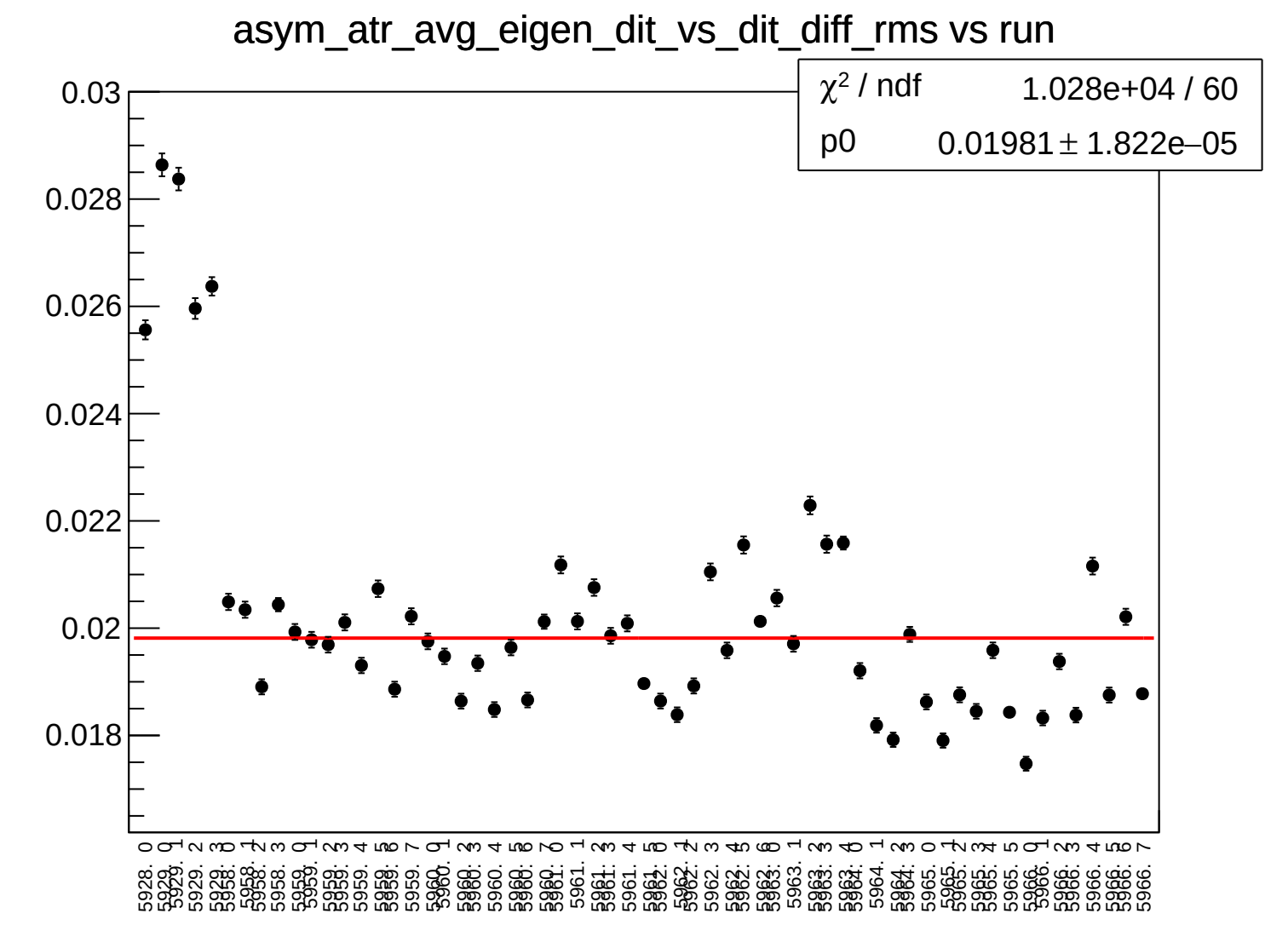

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.15 / 60
p0 0.2934 ± 0.2271
pull
Entries 61
Mean −120.4
Std Dev 0

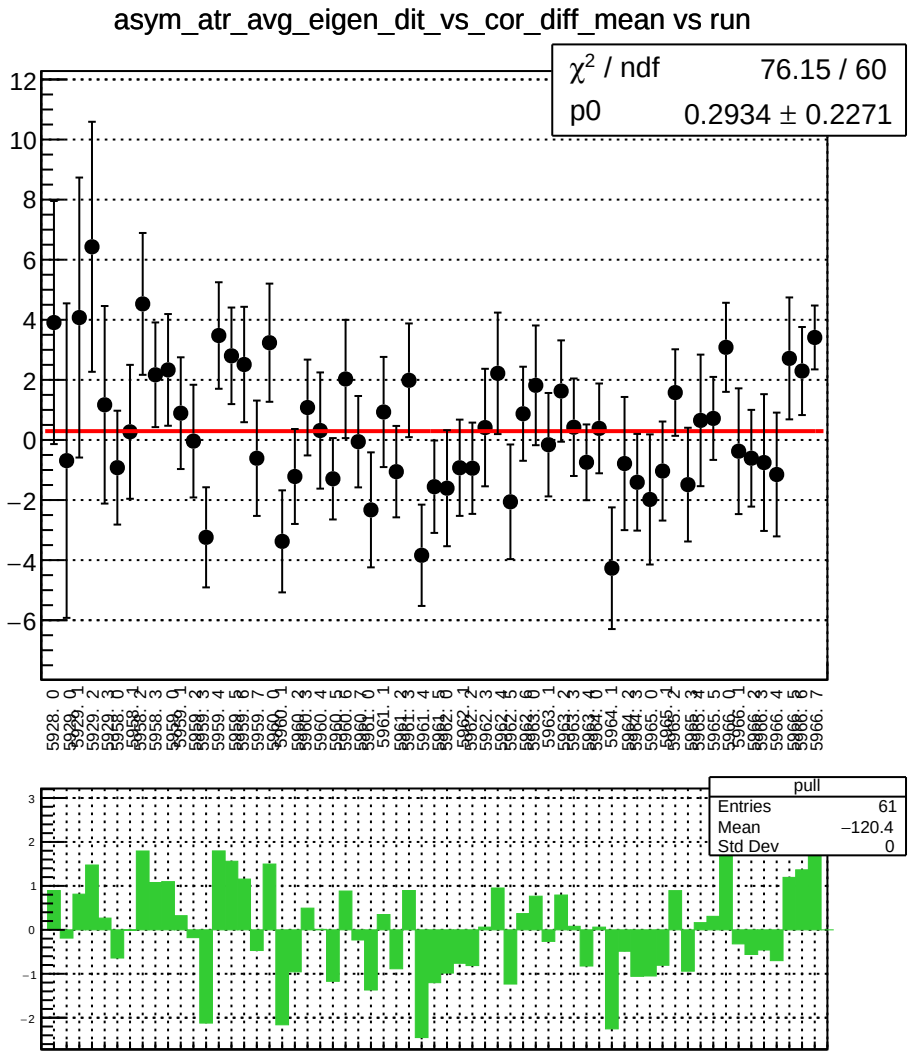

pull1D
Entries 61
Mean 0.01061
Std Dev 1.117

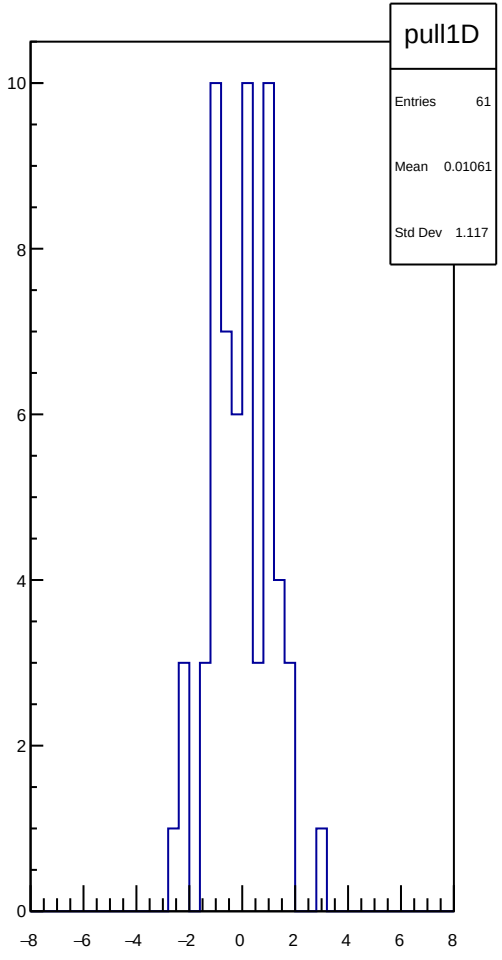

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.244e+04 / 60
p0 171.5 ± 0.1606
500
450
400
350
300
250
200
150
100

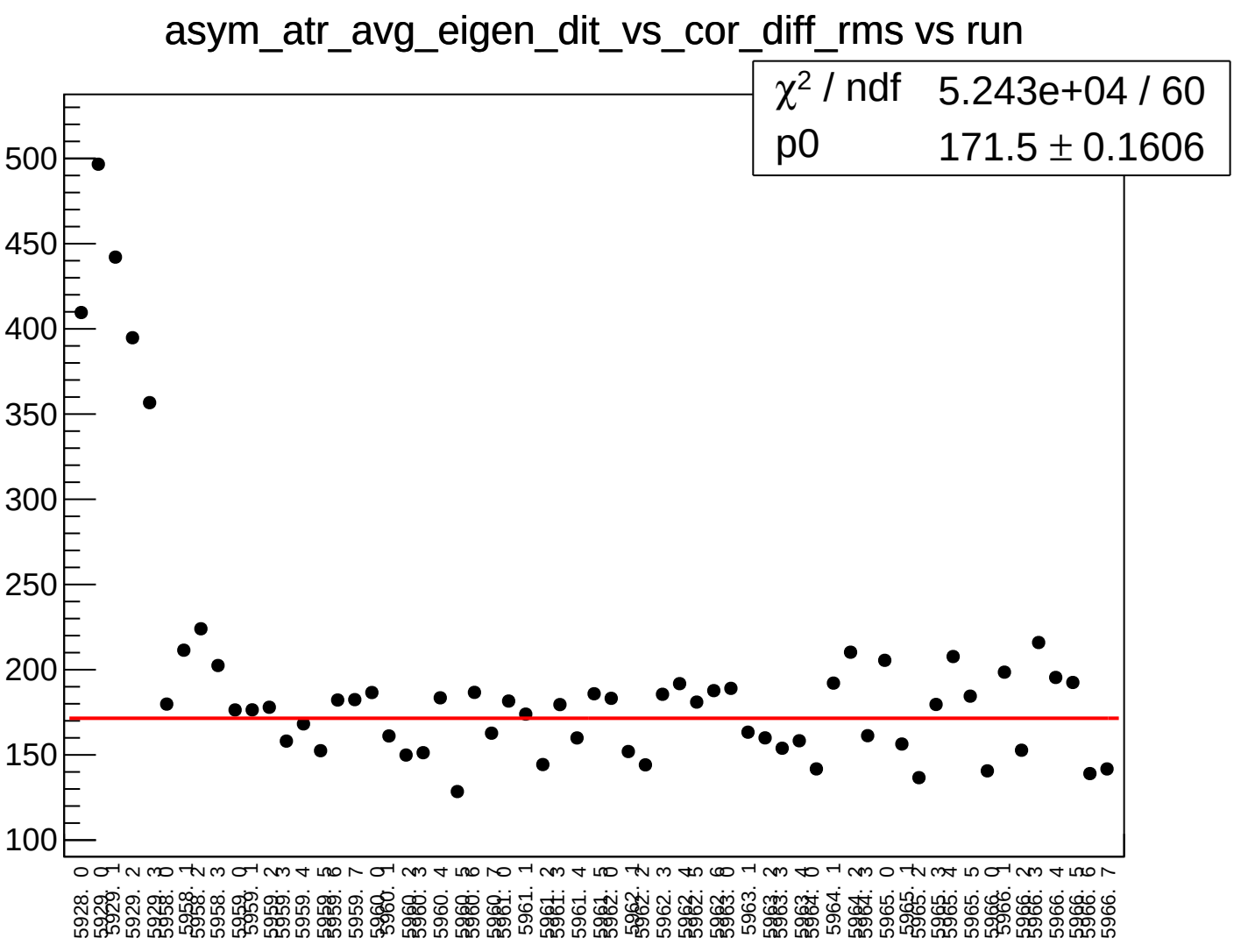

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.94 / 60
p0 −4.726e−06 ± 2.577e−05
pull
Entries 61
Mean 81.38
Std Dev 0

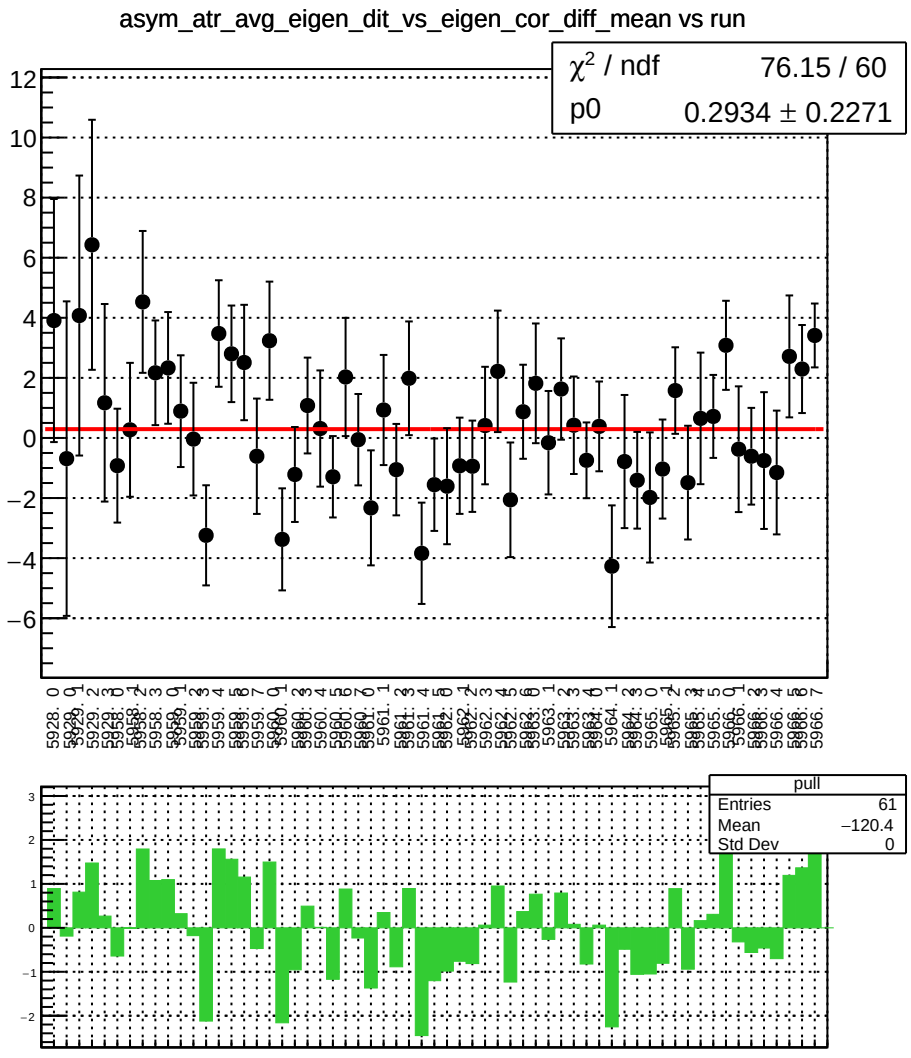

pull1D
Entries 61
Mean 0.004516
Std Dev 1.086

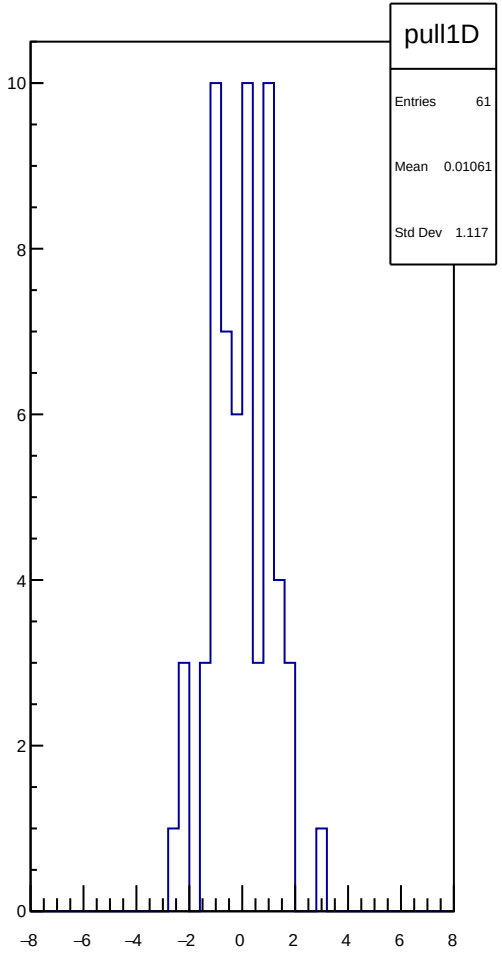

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.028e+04 / 60
p0 0.01981 ± 1.822e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018

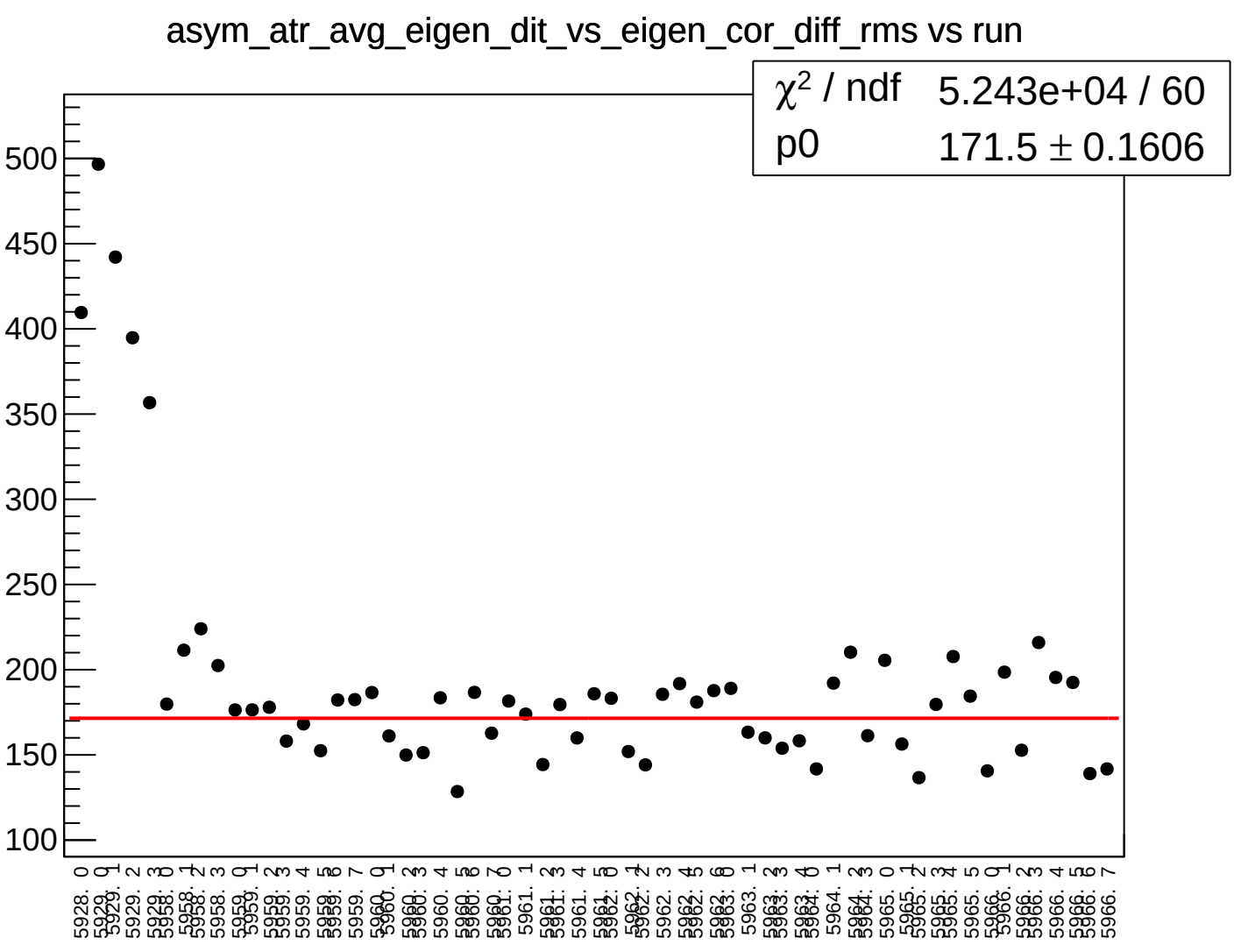

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.15 / 60
p0 0.2934 ± 0.2271
pull
Entries 61
Mean −120.4
Std Dev 0

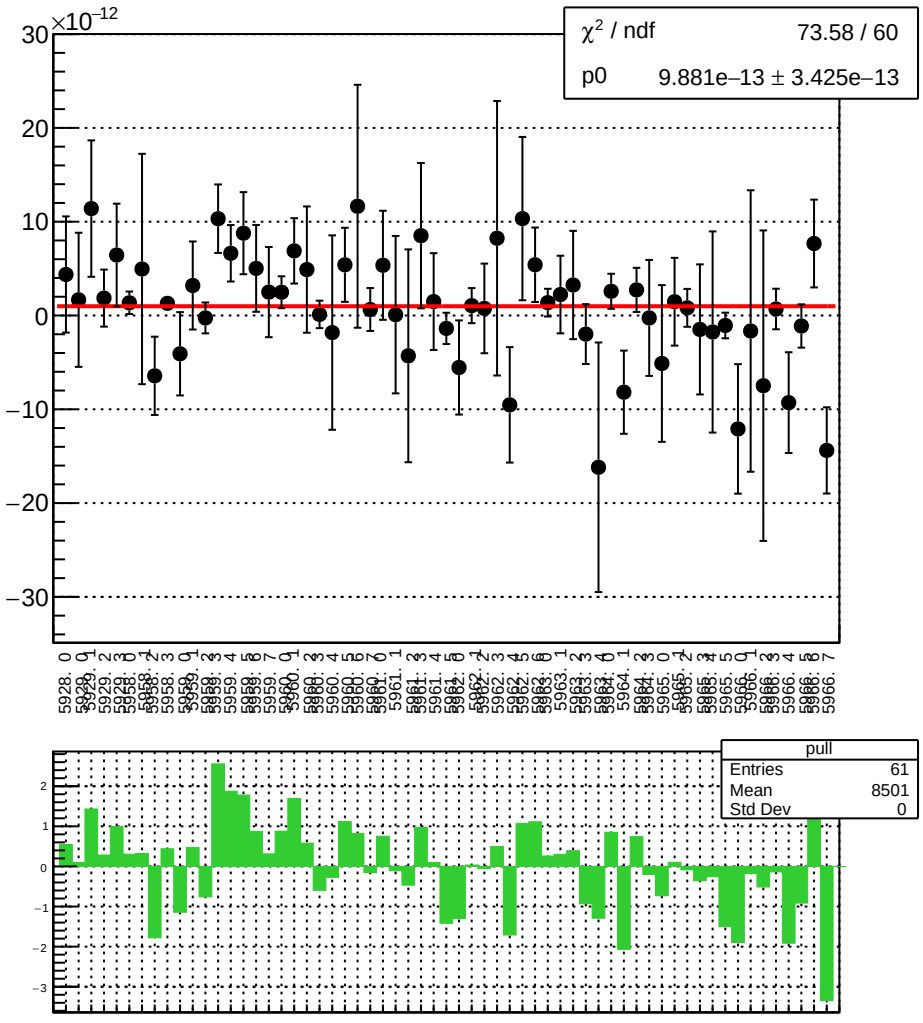

pull1D
Entries 61
Mean 0.01061
Std Dev 1.117

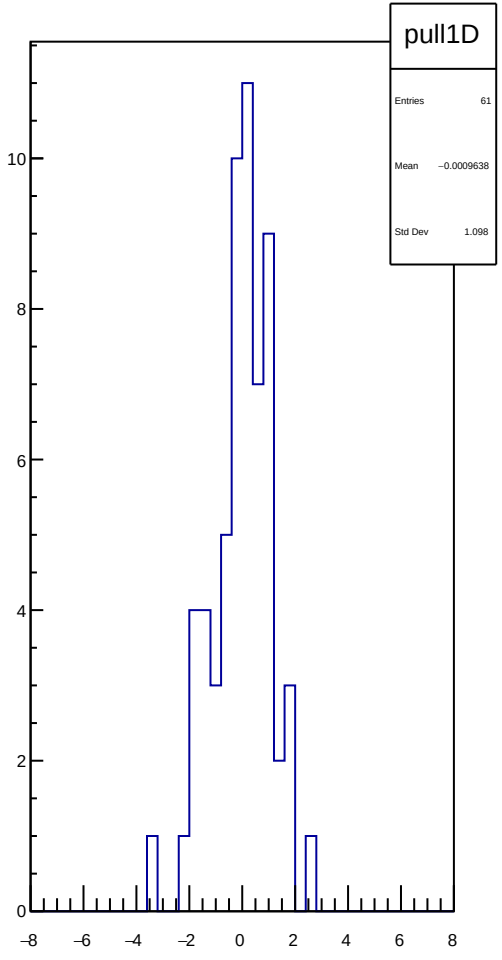

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 60
p0 171.5 ± 0.1606
500
450
400
350
300
250
200
150
100

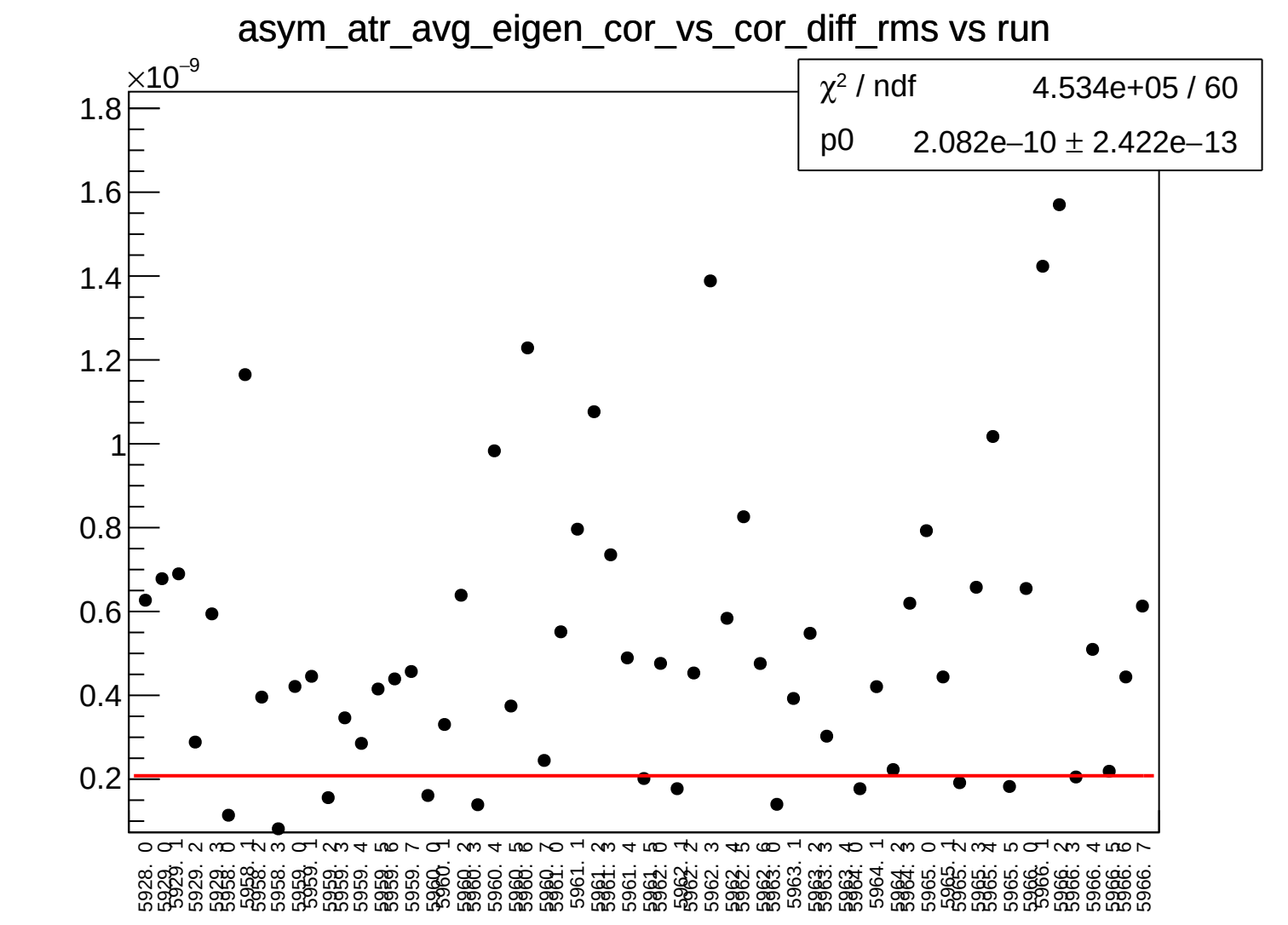

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.15 / 60
p0 0.2934 ± 0.2271
pull
Entries 61
Mean −120.4
Std Dev 0

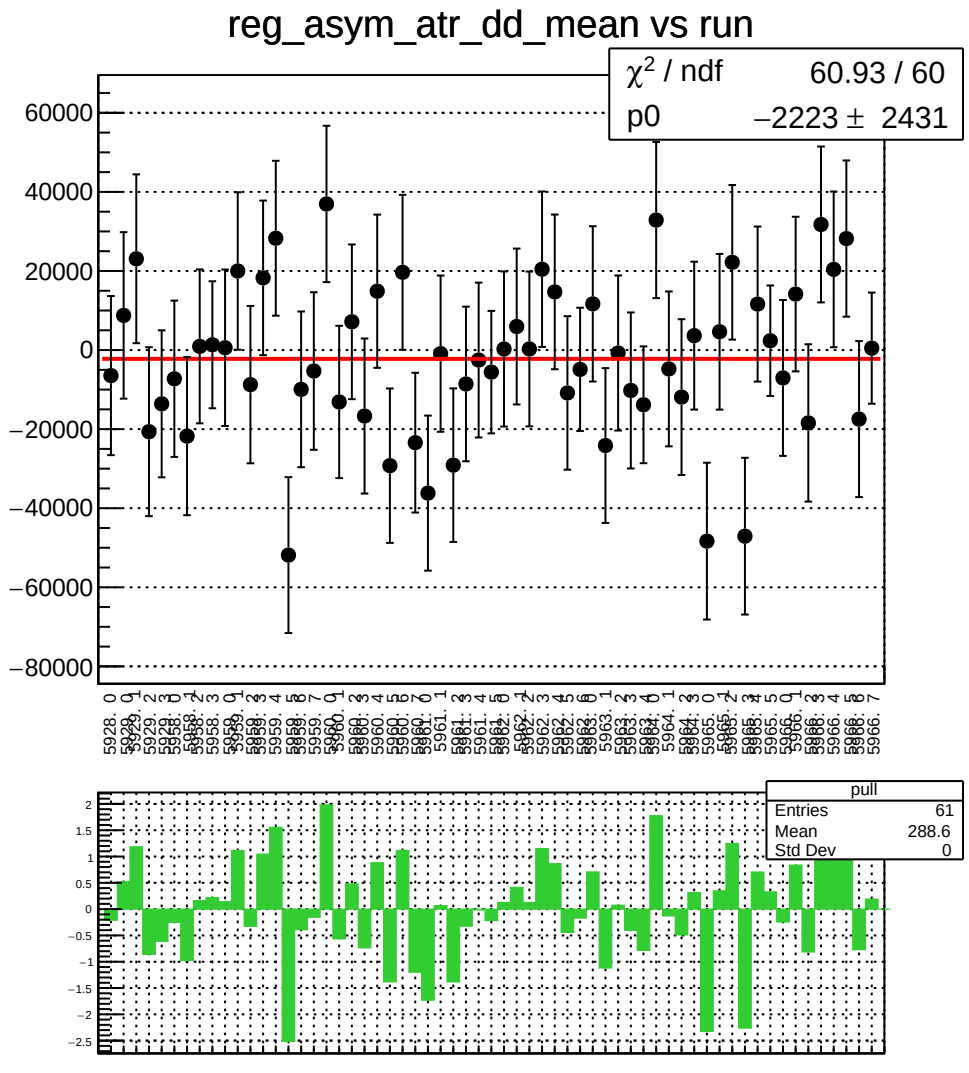

pull1D
Entries 61
Mean 0.01061
Std Dev 1.117

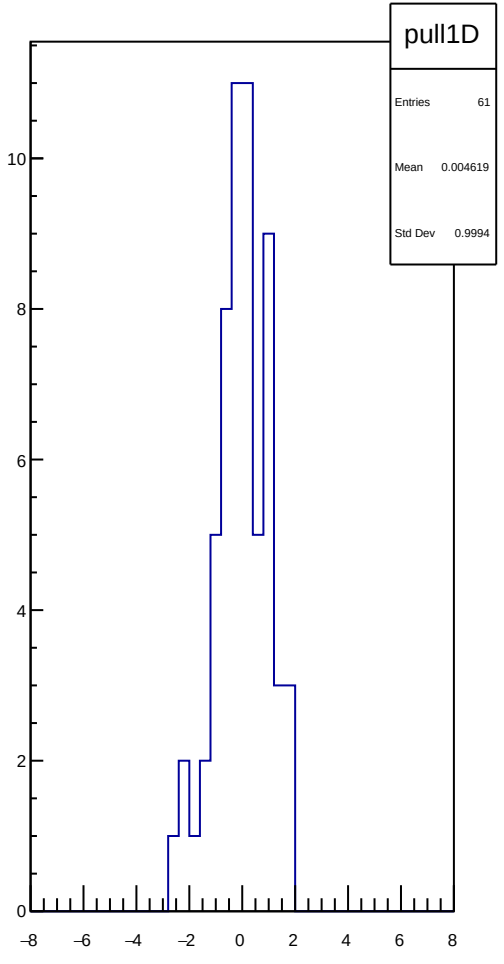

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.243e+04 / 60
p0 171.5 ± 0.1606
500
450
400
350
300
250
200
150
100

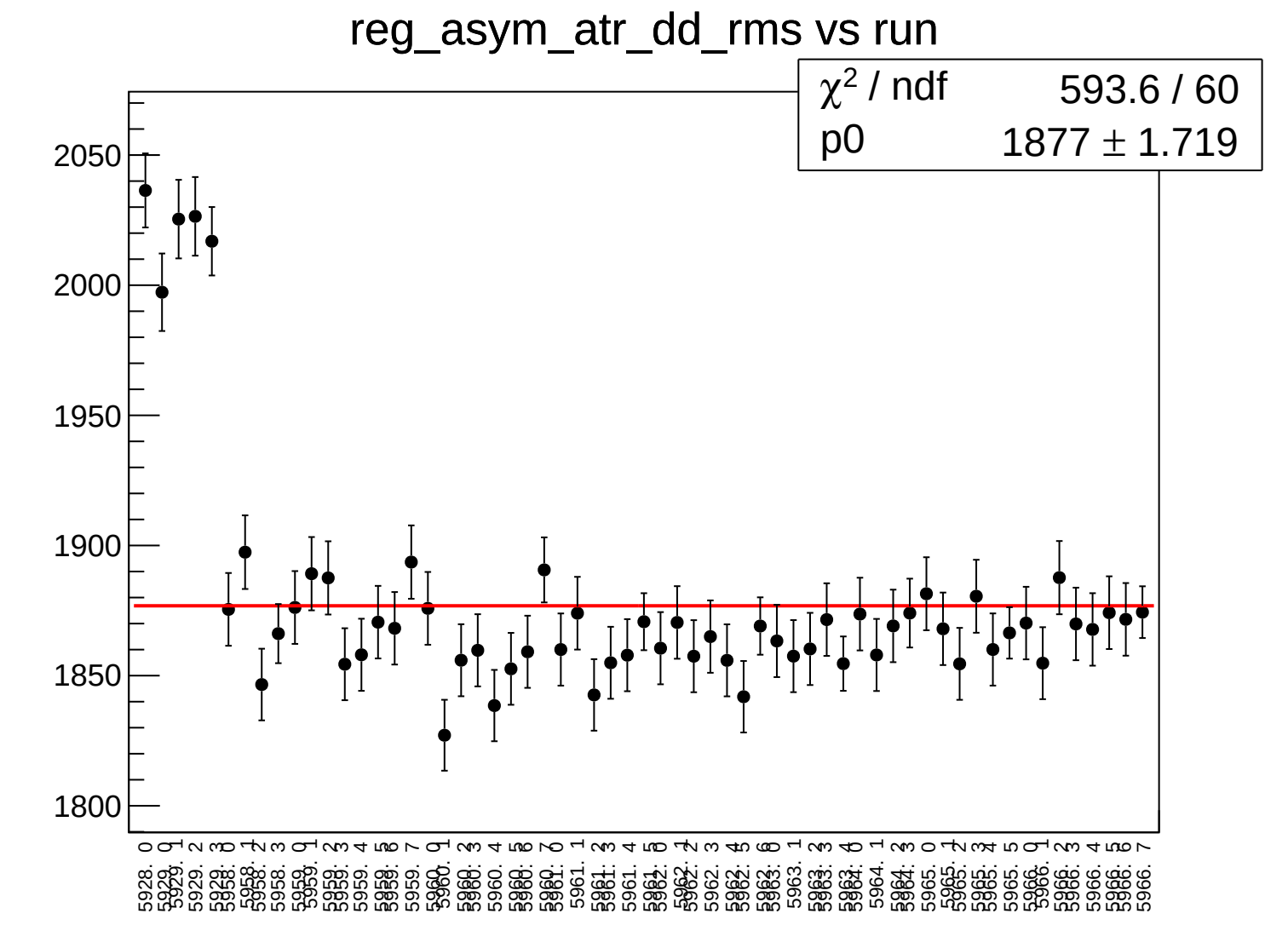

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.58 / 60
p0 9.881e−13 ± 3.425e−13
pull
Entries 61
Mean 8501
Std Dev 0

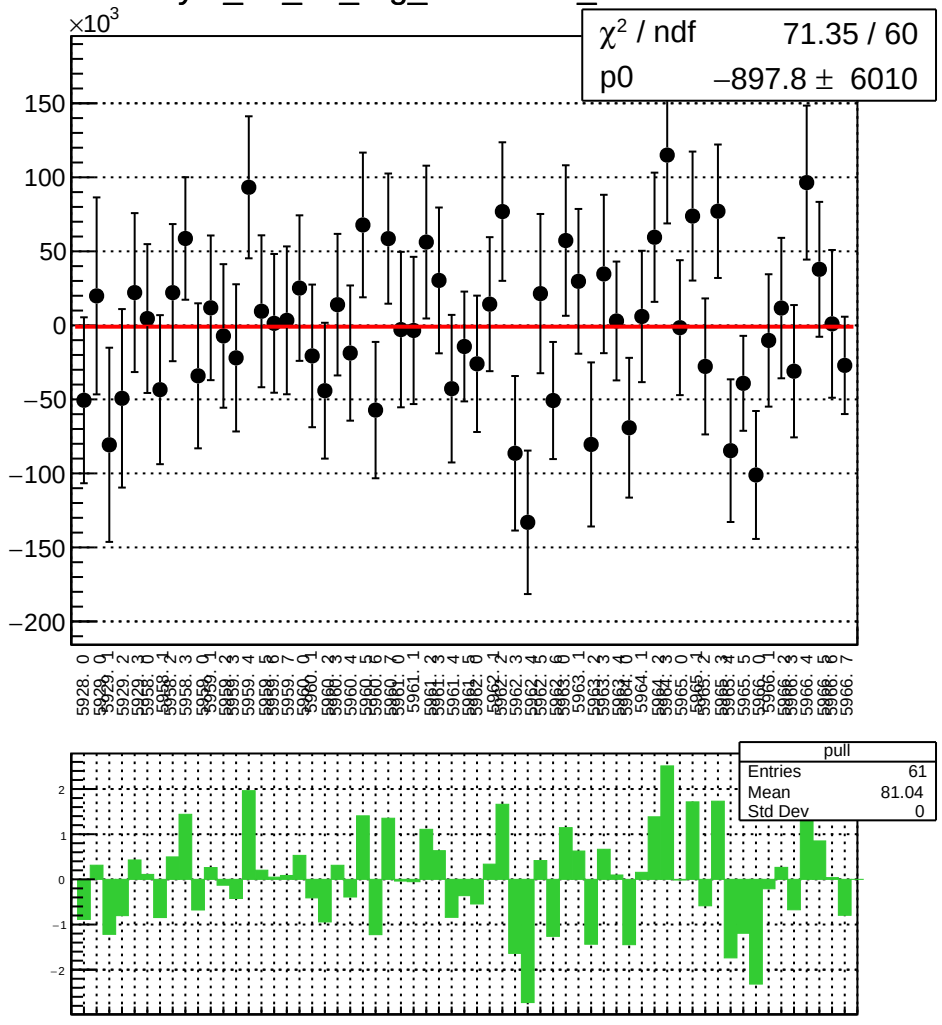

pull1D
Entries 61
Mean −0.0009638
Std Dev 1.098

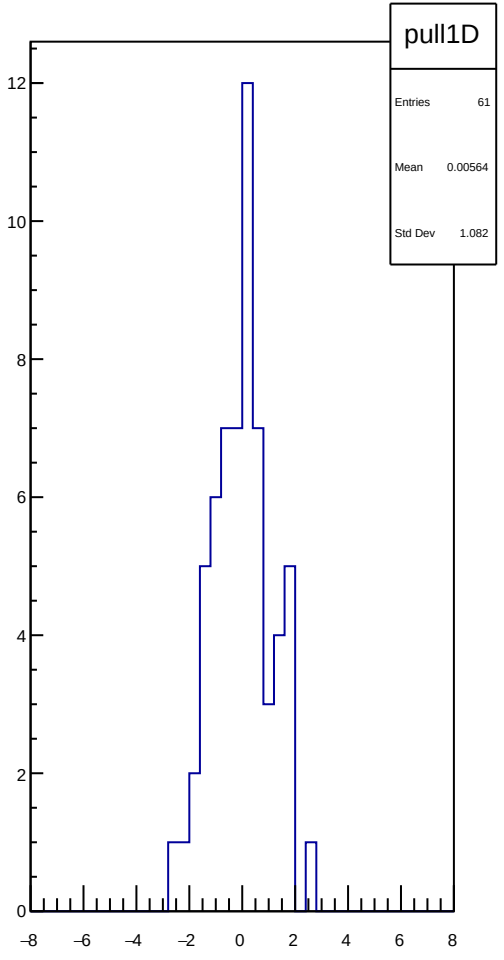

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.534e+05 / 60
p0 2.082e−10 ± 2.422e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

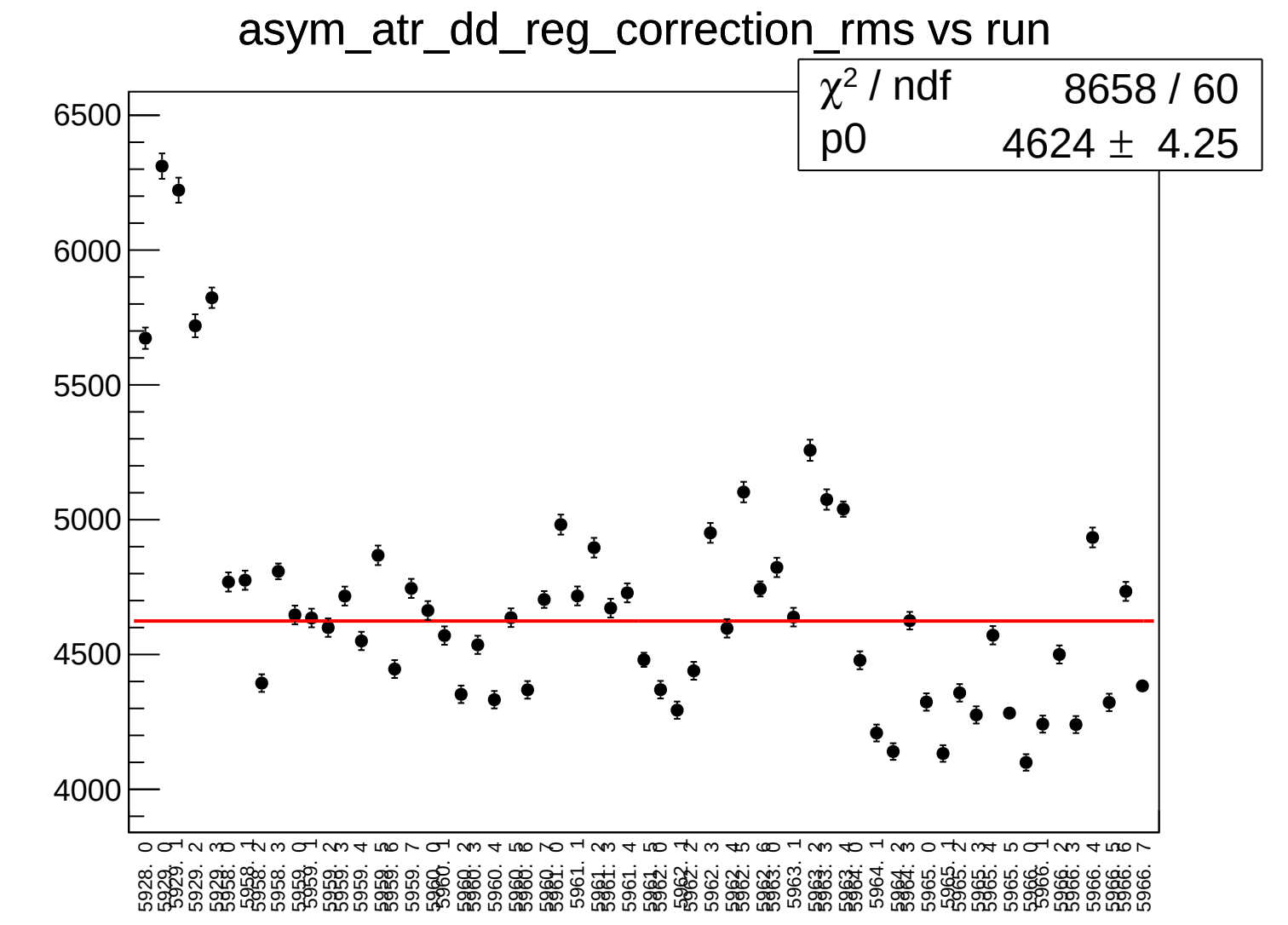

reg_asym_atr_dd_mean vs run
χ² / ndf 60.93 / 60
p0 −2223 ± 2431
pull
Entries 61
Mean 288.6
Std Dev 0

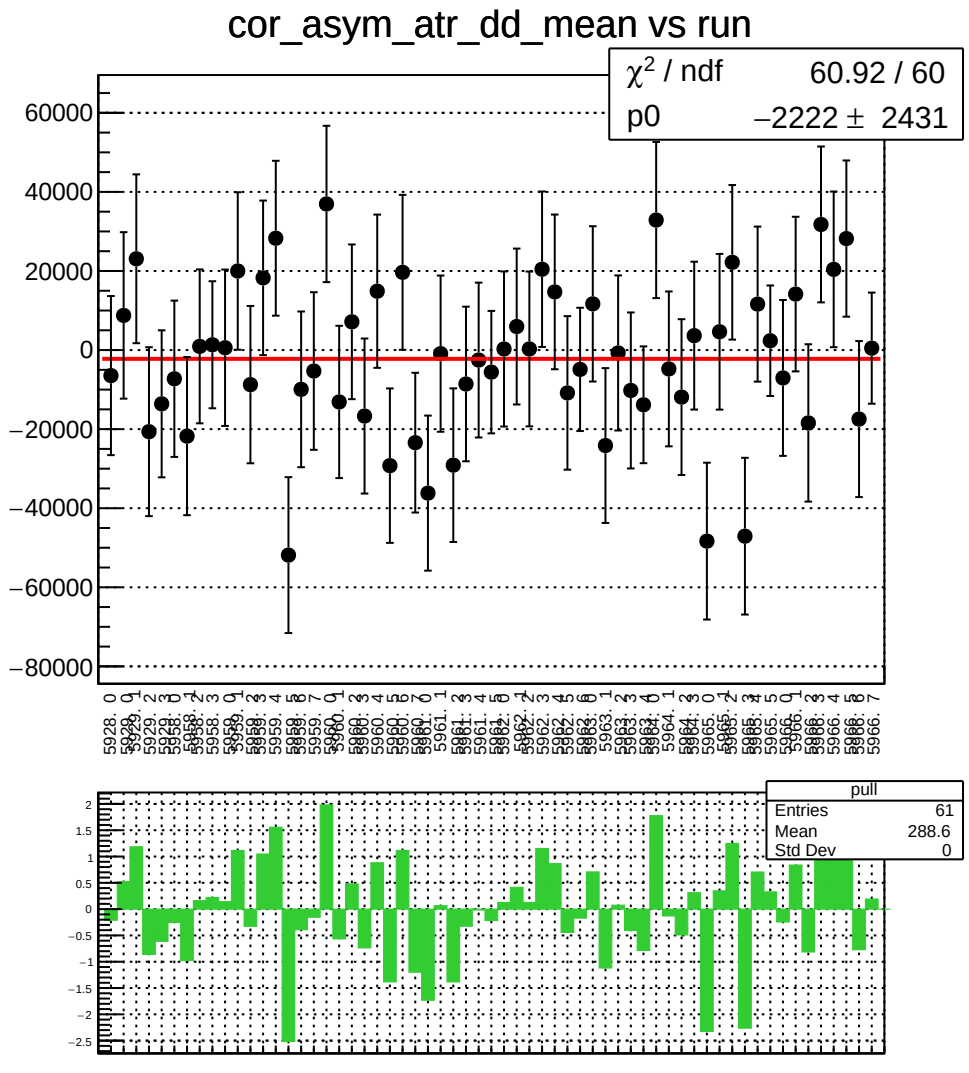

pull1D
Entries 61
Mean 0.004619
Std Dev 0.9994

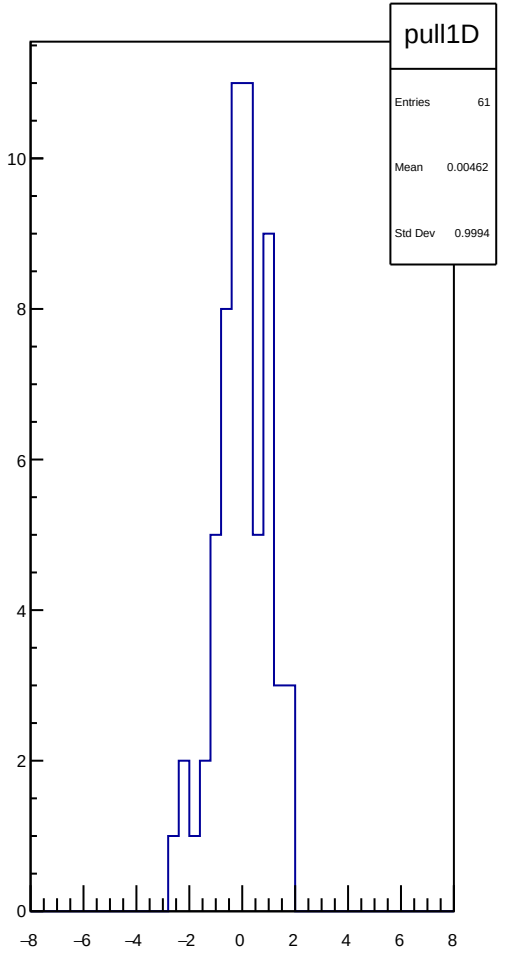

reg_asym_atr_dd_rms vs run
χ^2 / ndf 593.6 / 60
p0 1877 ± 1.719
2050
2000
1950
1900
1850
1800

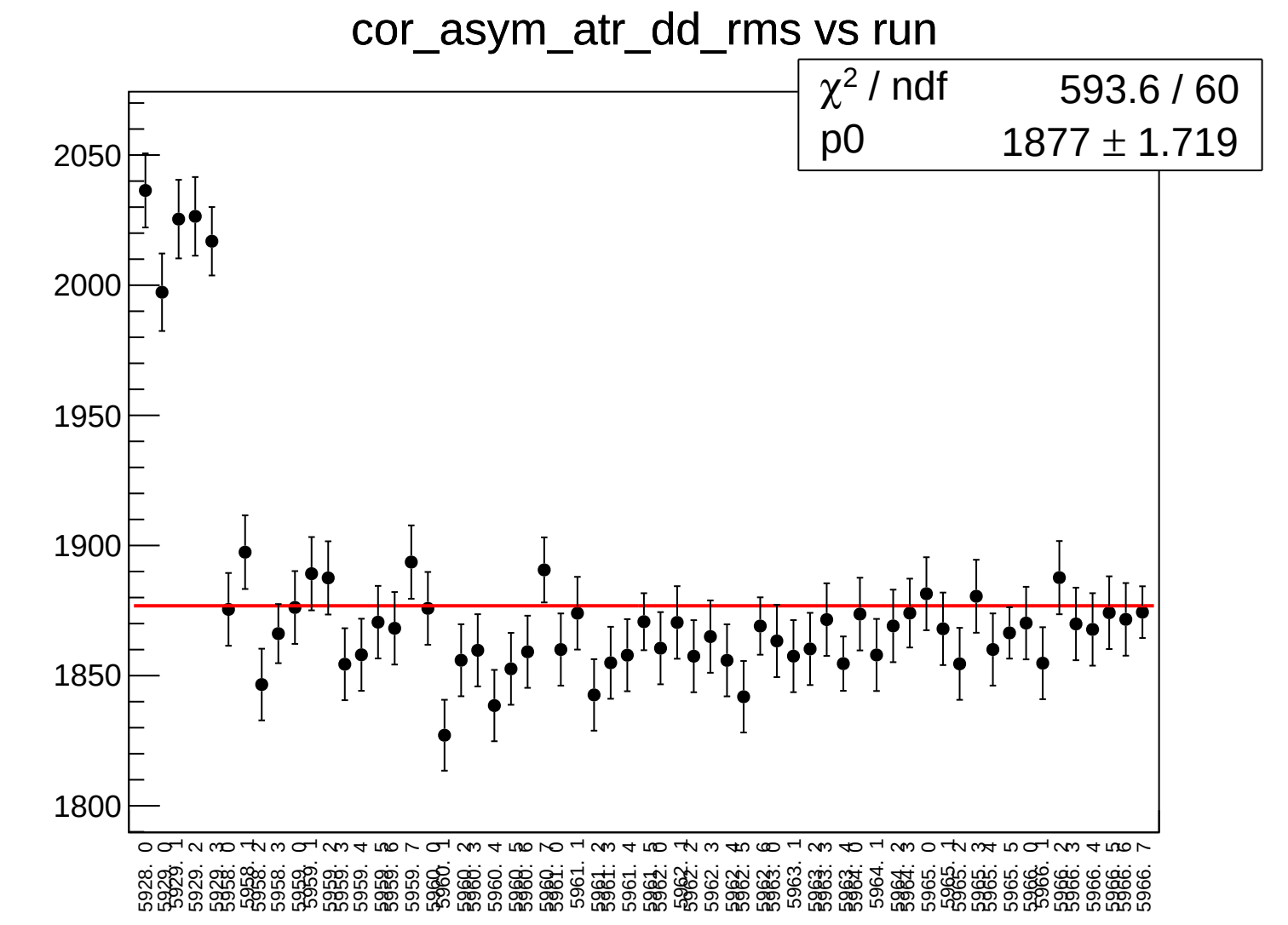

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 71.35 / 60
p0 −897.8 ± 6010
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 81.04
Std Dev 0
2
1
0
−1
−2

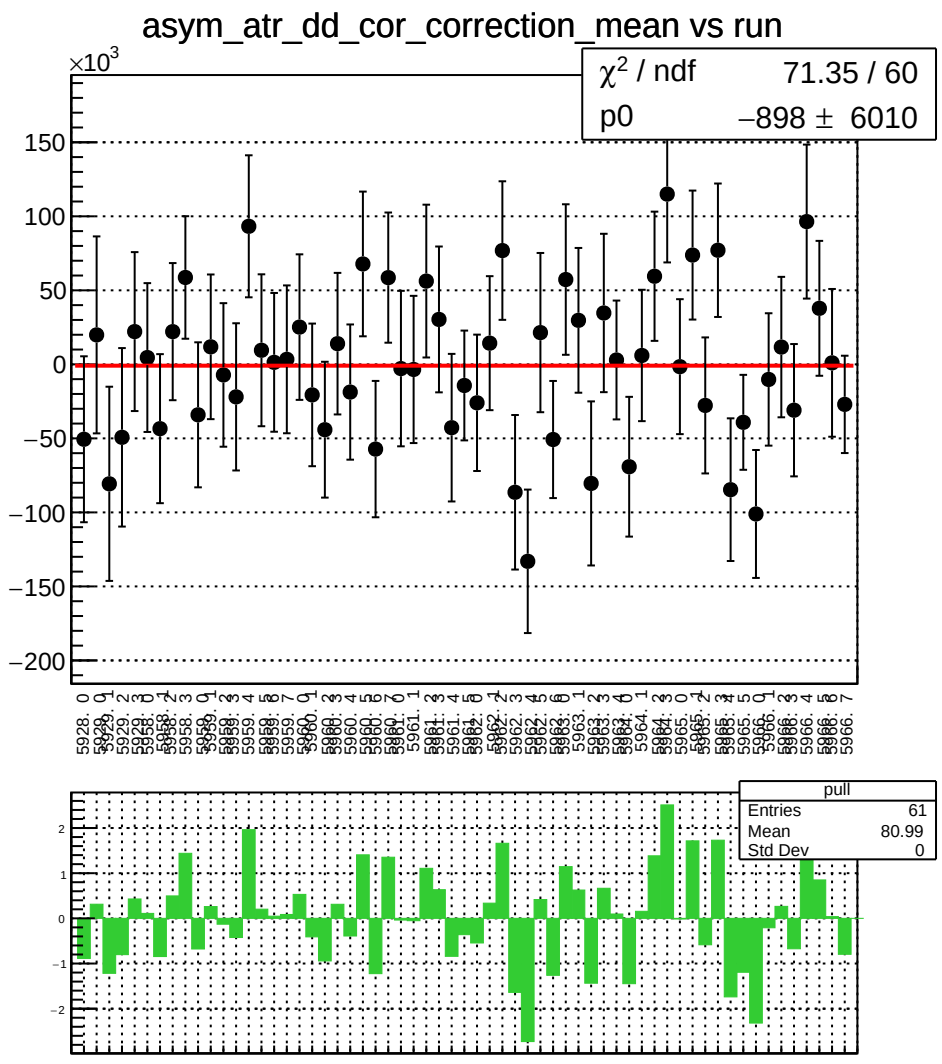

pull1D
Entries 61
Mean 0.00564
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

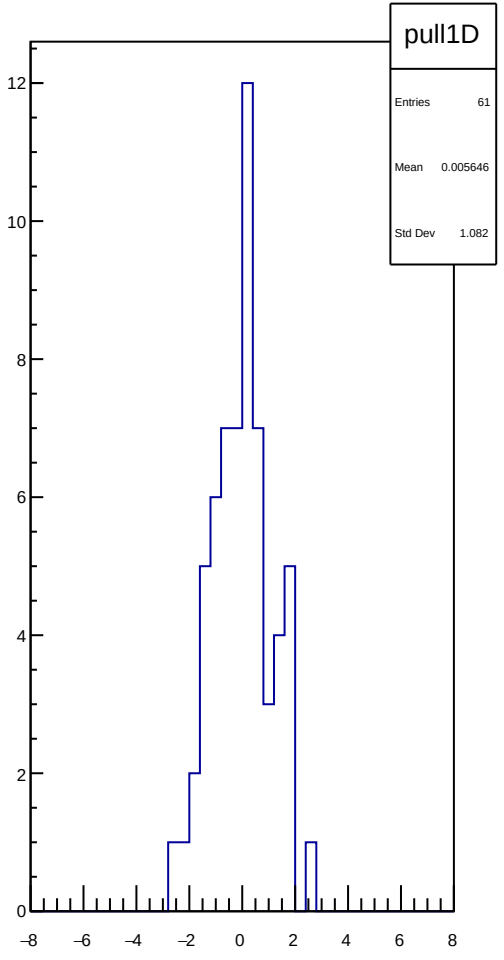

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 8658 / 60
p0 4624 ± 4.25
6500
6000
5500
5000
4500
4000

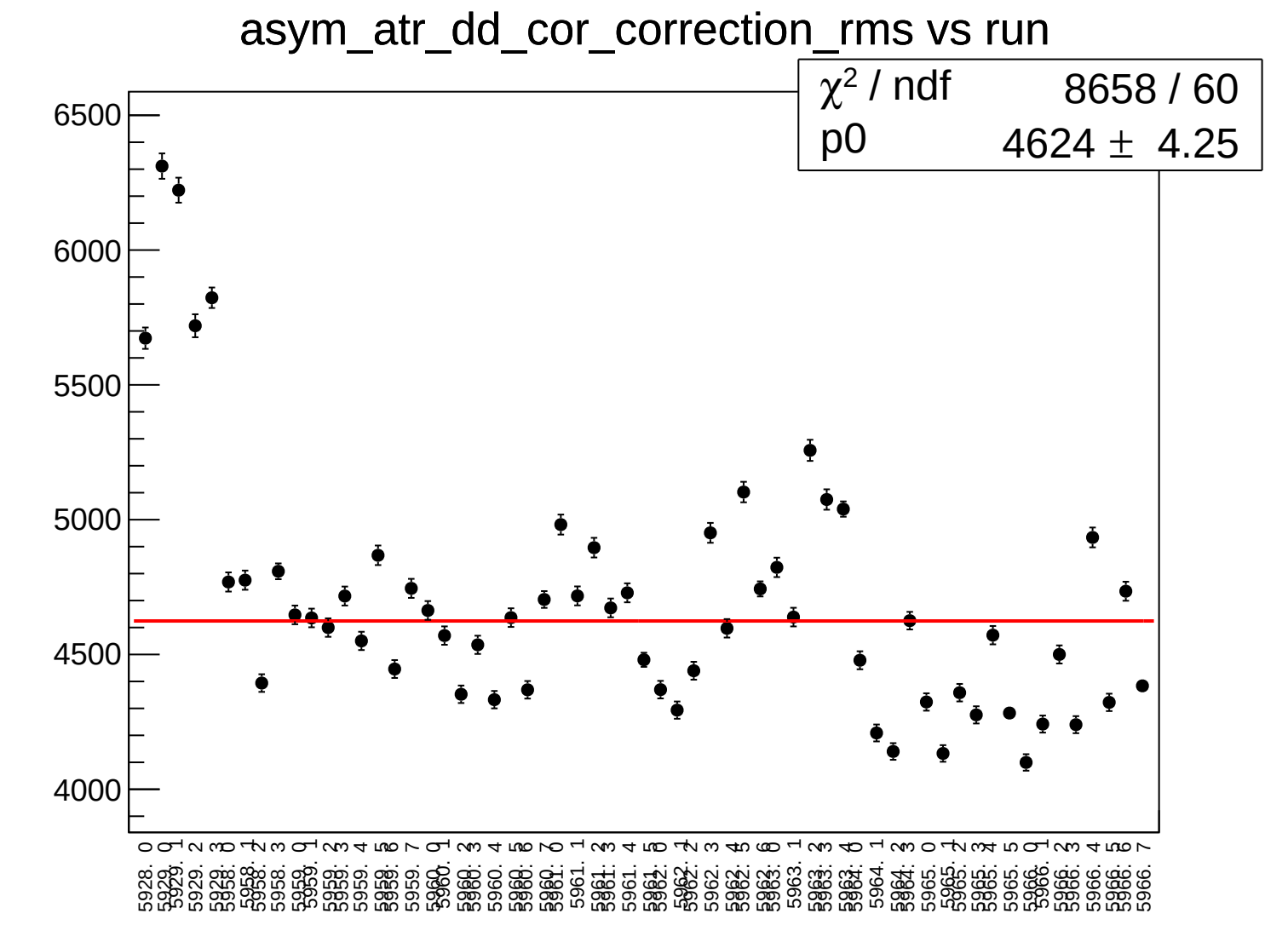

cor_asym_atr_dd_mean vs run
χ² / ndf 60.92 / 60
p0 −2222 ± 2431
pull
Entries 61
Mean 288.6
Std Dev 0

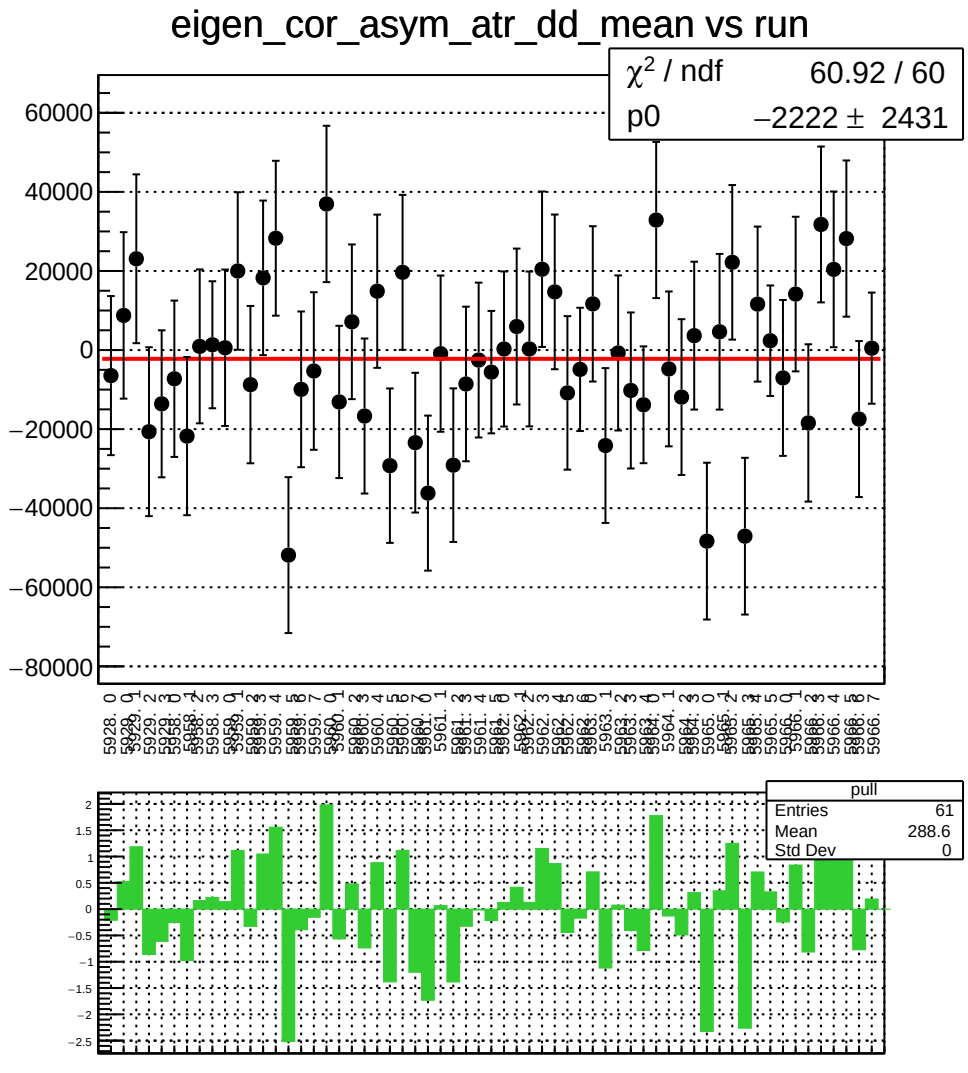

pull1D
Entries 61
Mean 0.00462
Std Dev 0.9994

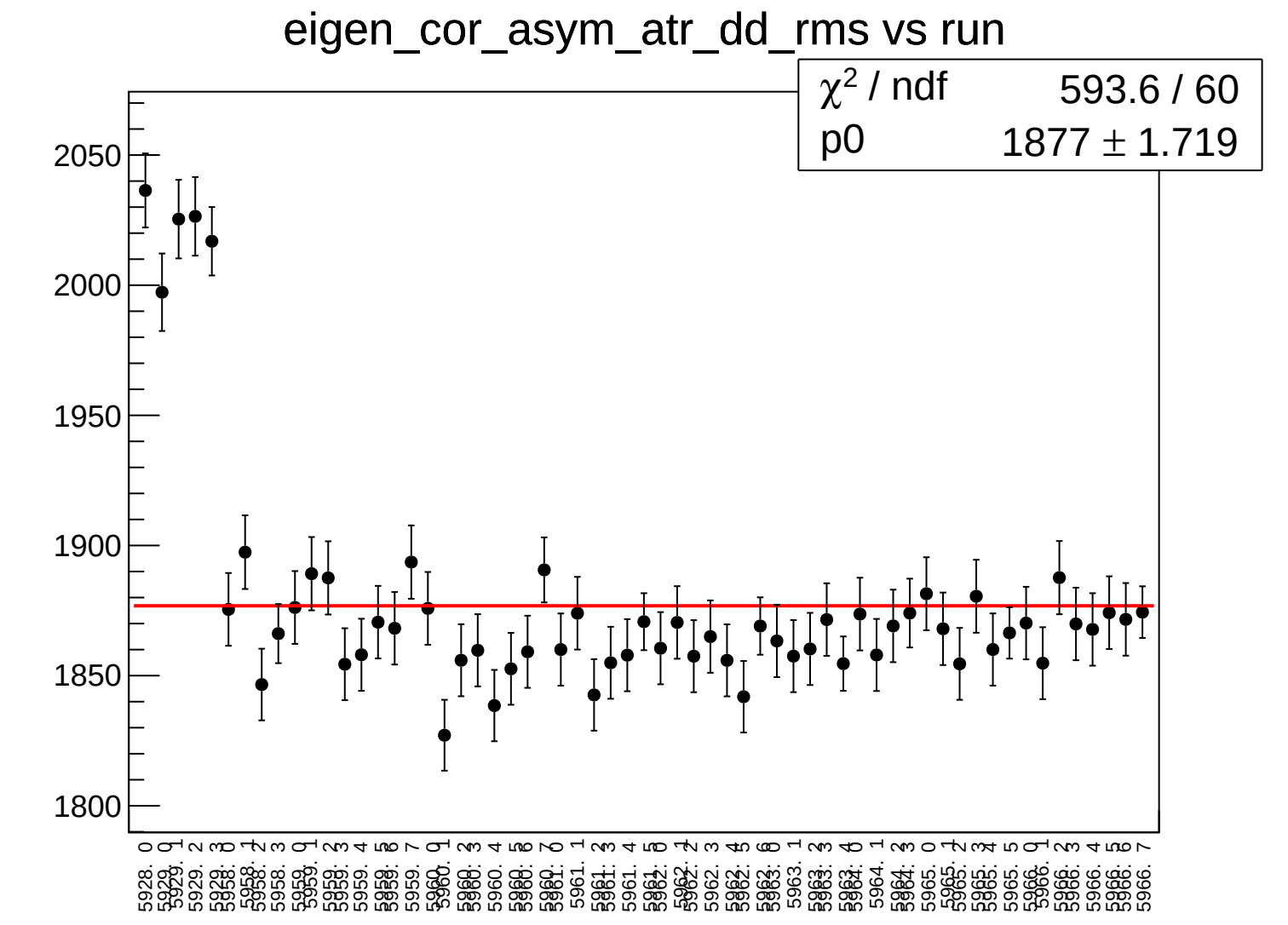

cor_asym_atr_dd_rms vs run
χ² / ndf 593.6 / 60
p0 1877 ± 1.719
2050
2000
1950
1900
1850
1800

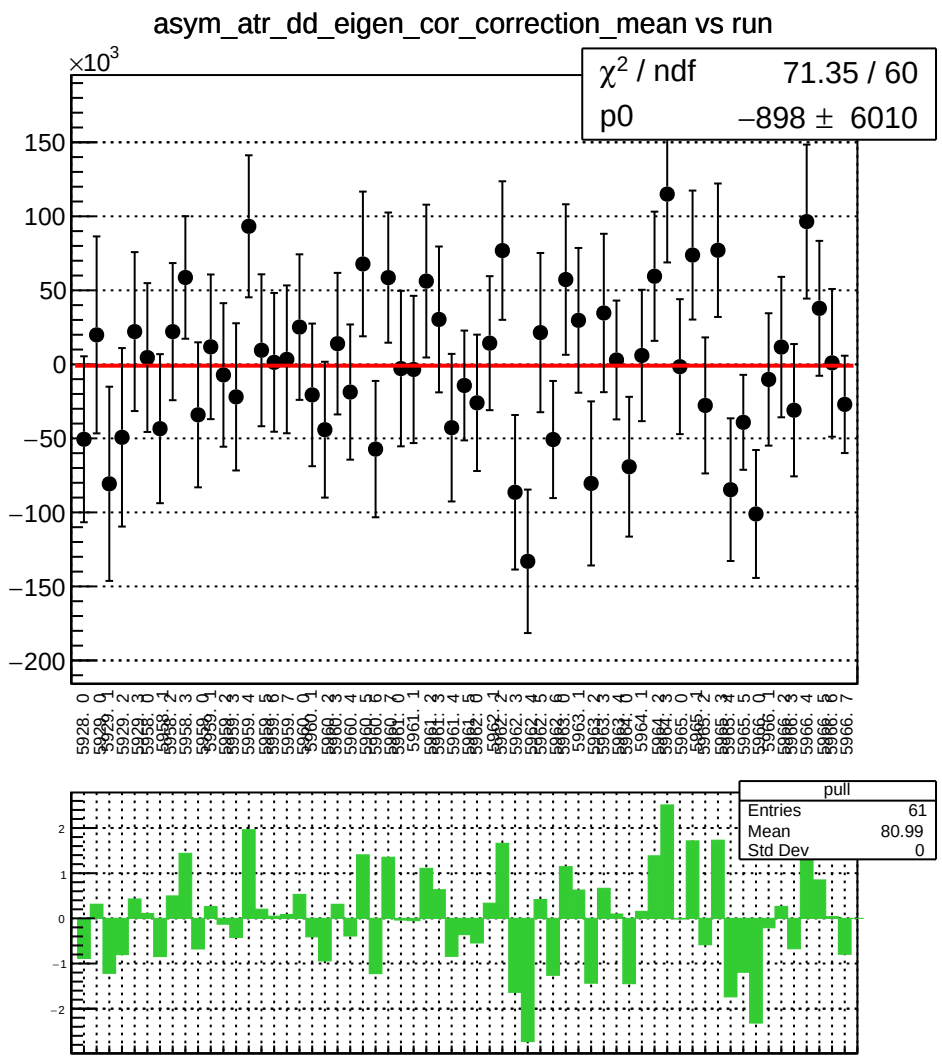

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 71.35 / 60
p0 −898 ± 6010
pull
Entries 61
Mean 80.99
Std Dev 0

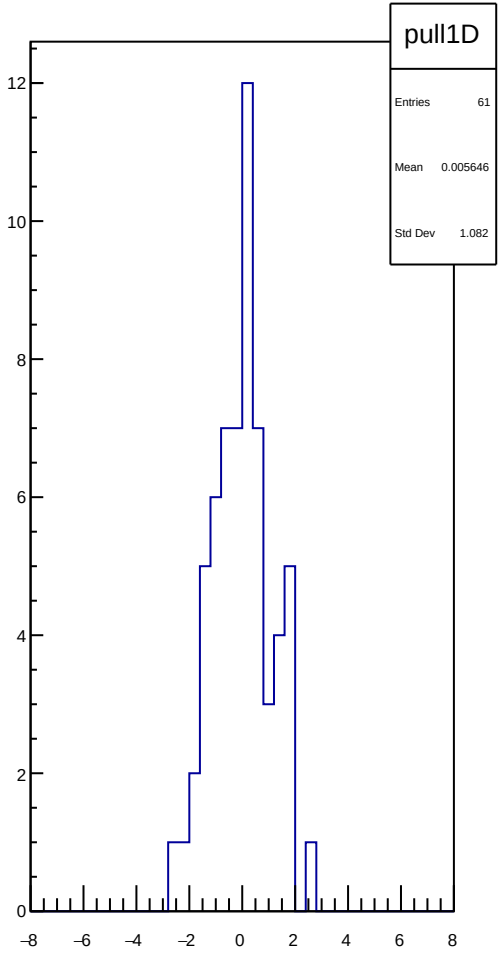

pull1D
Entries 61
Mean 0.005646
Std Dev 1.082

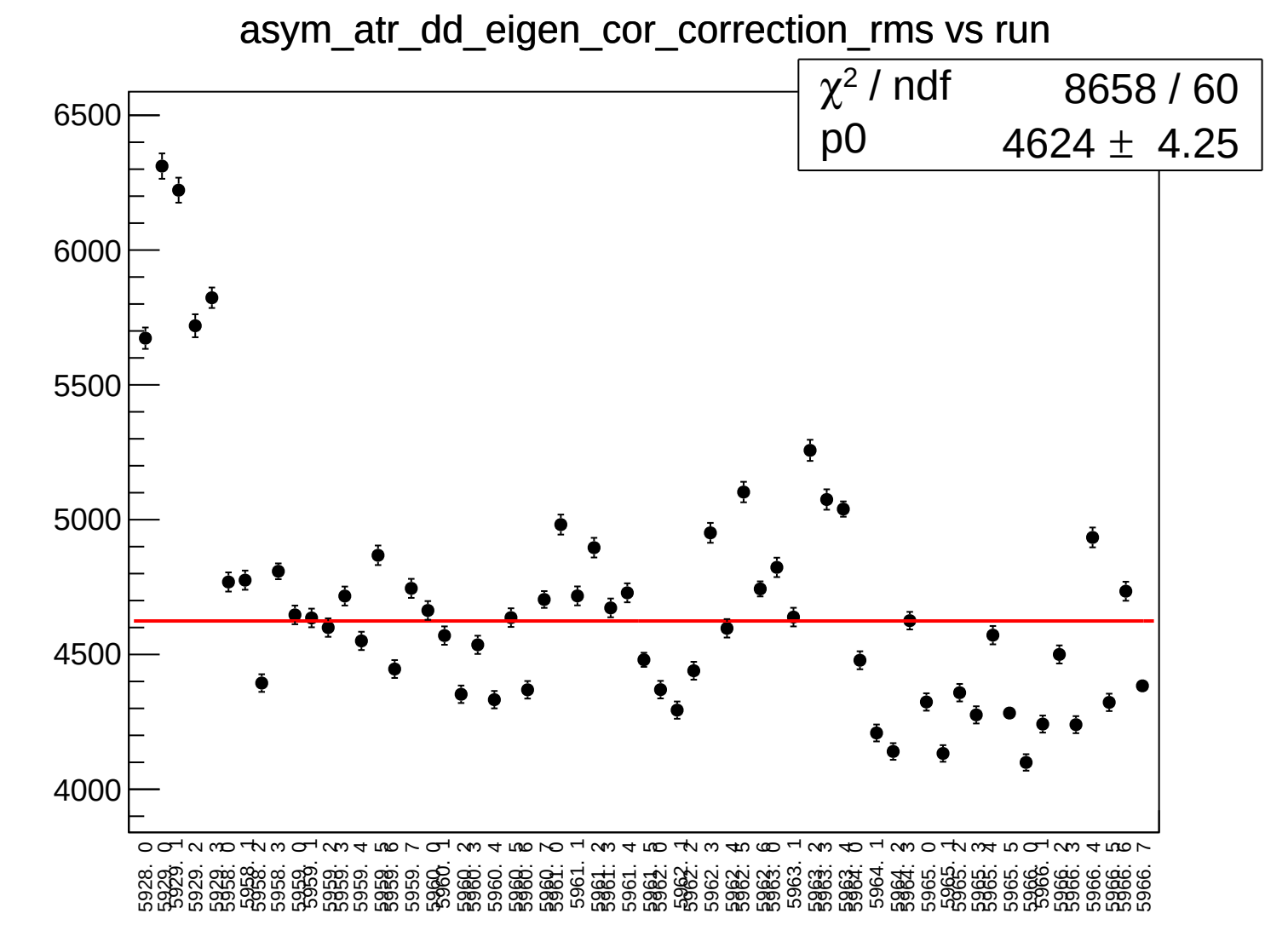

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 8658 / 60
p0 4624 ± 4.25
6500
6000
5500
5000
4500
4000

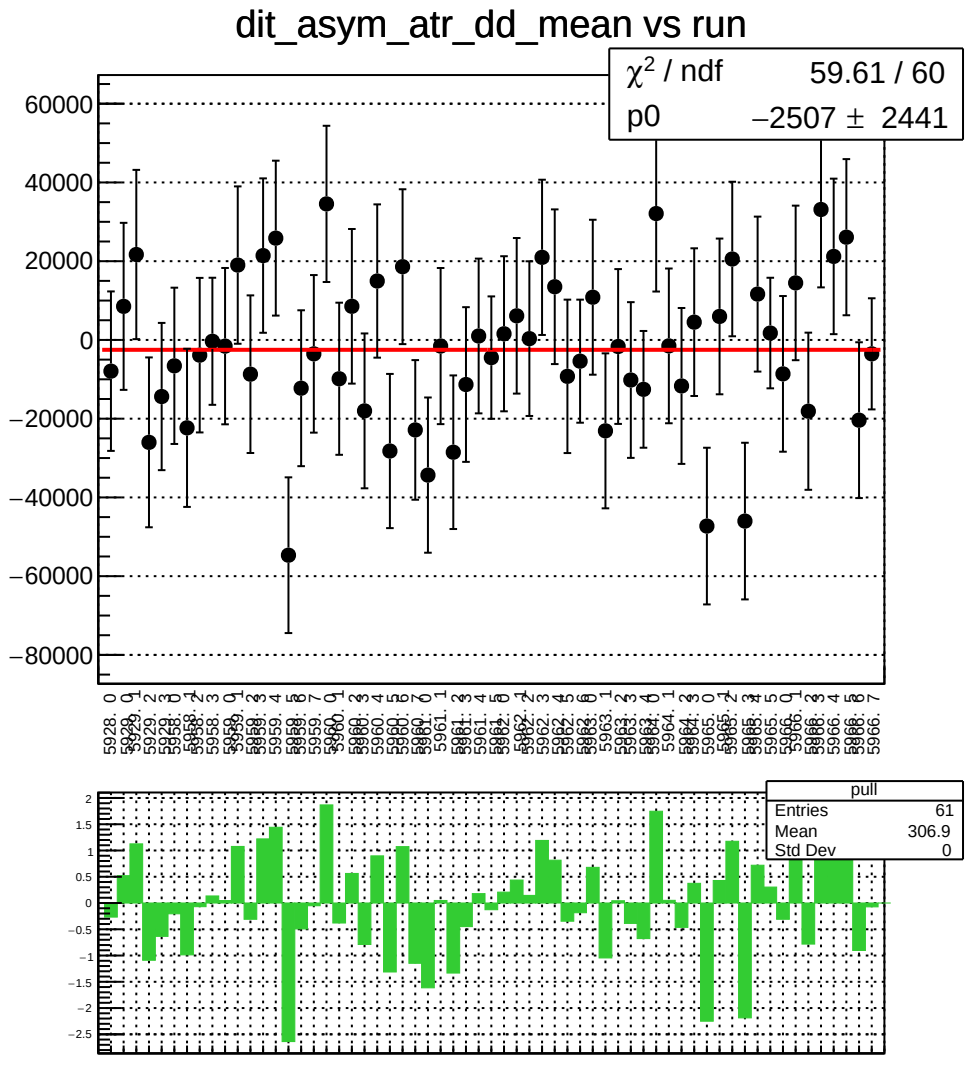

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 60.92 / 60
p0 −2222 ± 2431
pull
Entries 61
Mean 288.6
Std Dev 0
pull1D
Entries 61
Mean 0.00462
Std Dev 0.9994

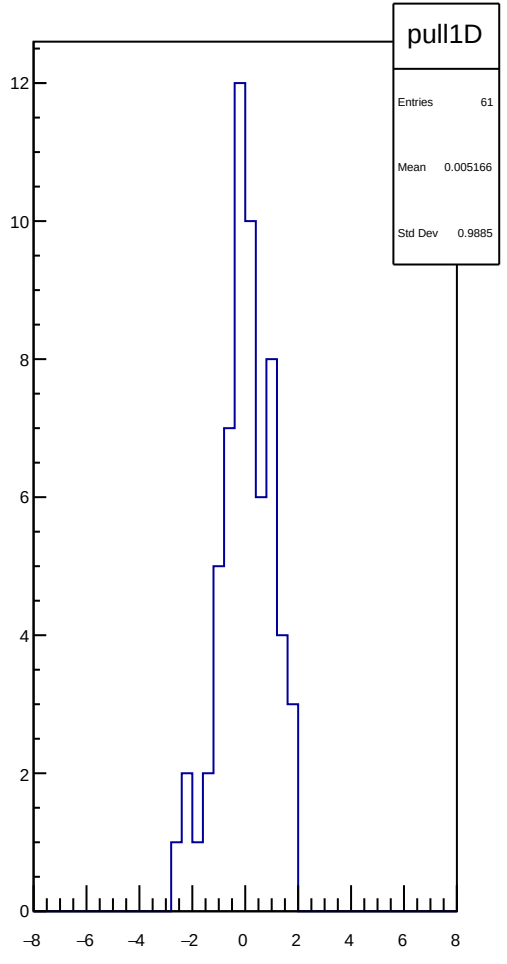

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 593.6 / 60
p0 1877 ± 1.719
2050
2000
1950
1900
1850
1800

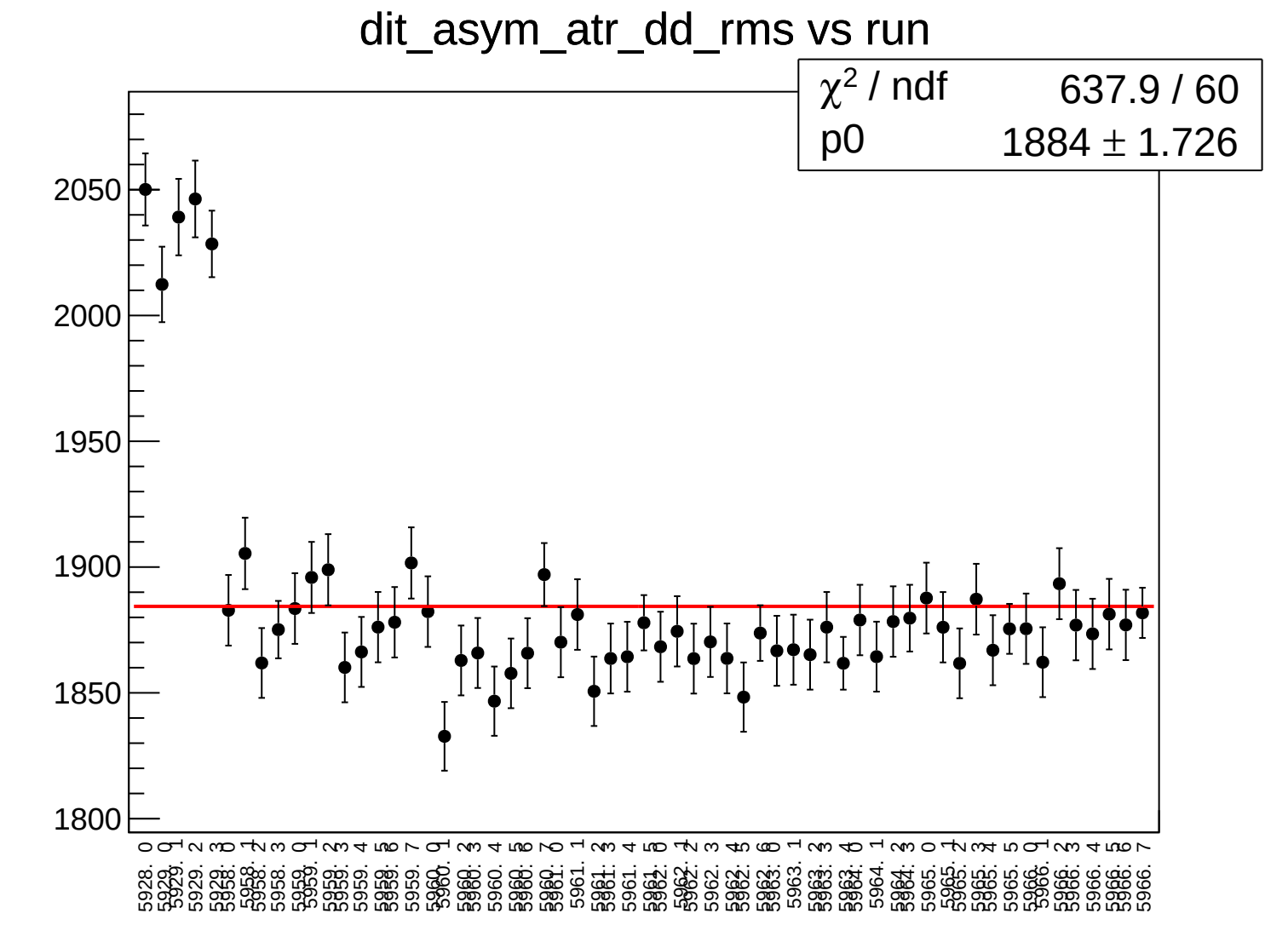

asym_atr_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.35 / 60
p0 −898 ± 6010
pull
Entries 61
Mean 80.99
Std Dev 0

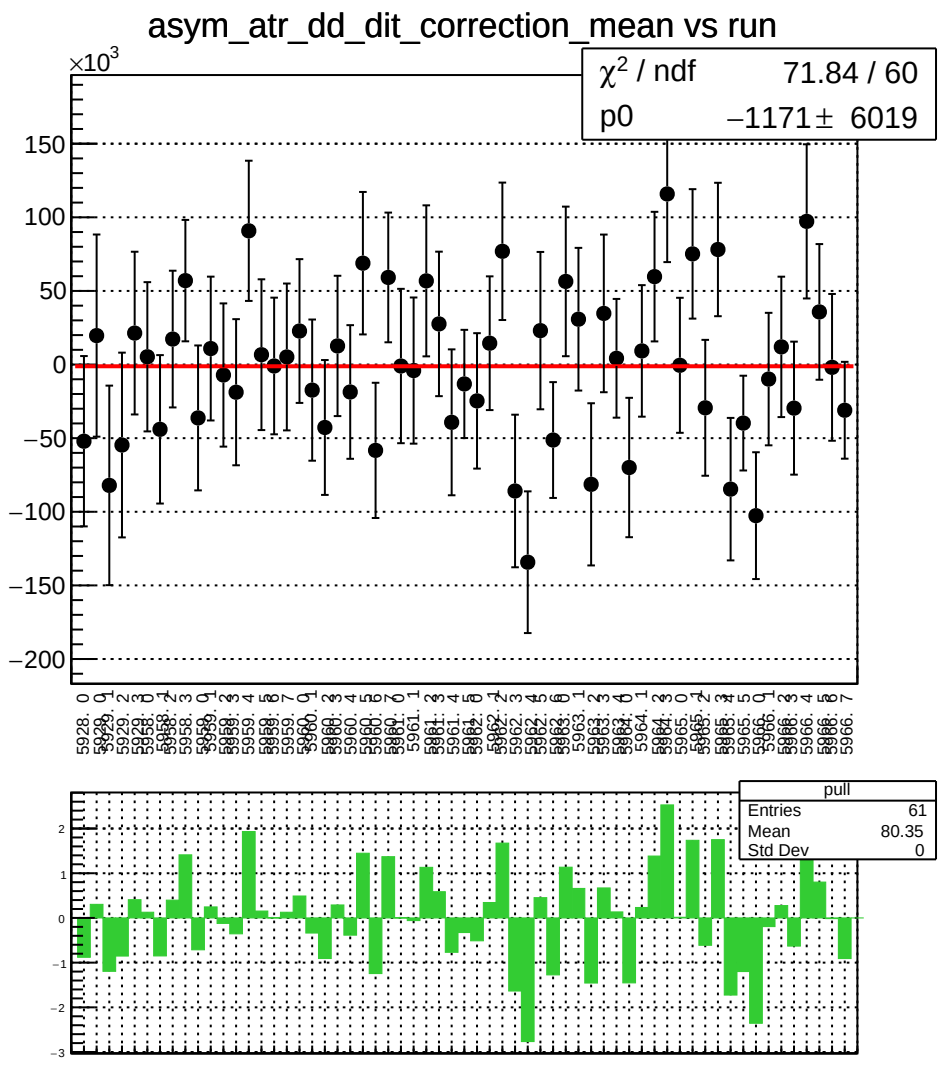

pull1D
Entries 61
Mean 0.005646
Std Dev 1.082

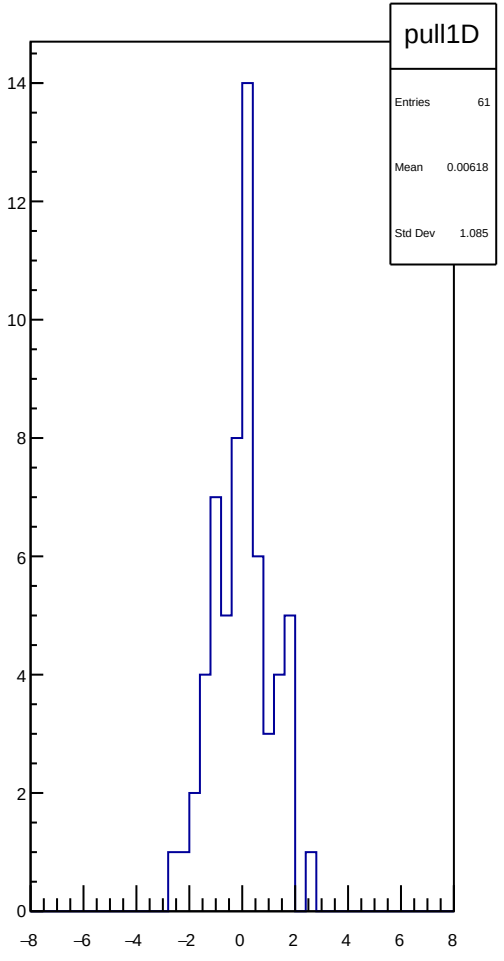

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 8658 / 60
p0 4624 ± 4.25
6500
6000
5500
5000
4500
4000

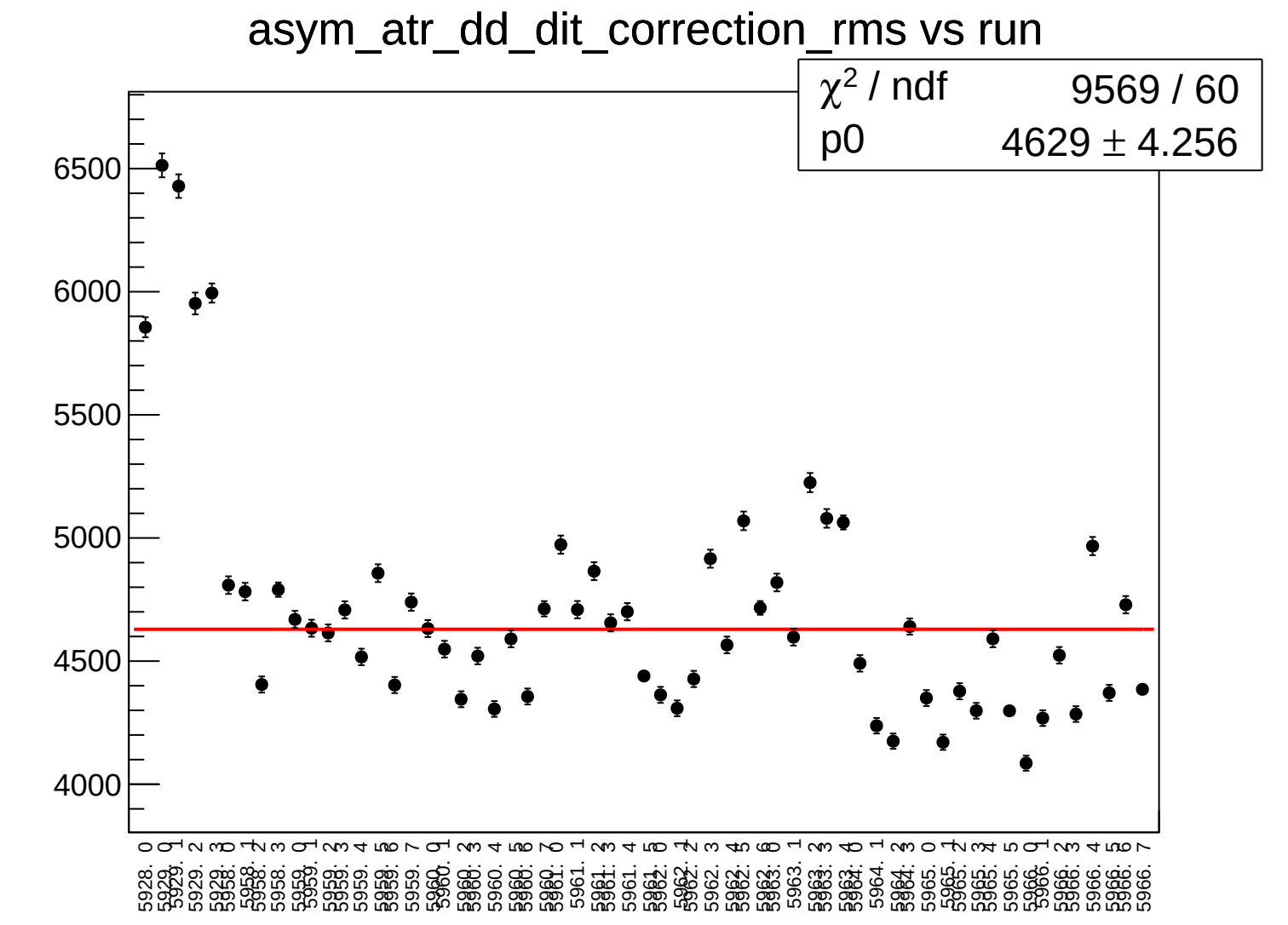

dit_asym_atr_dd_mean vs run
χ² / ndf 59.61 / 60
p0 −2507 ± 2441
pull
Entries 61
Mean 306.9
Std Dev 0

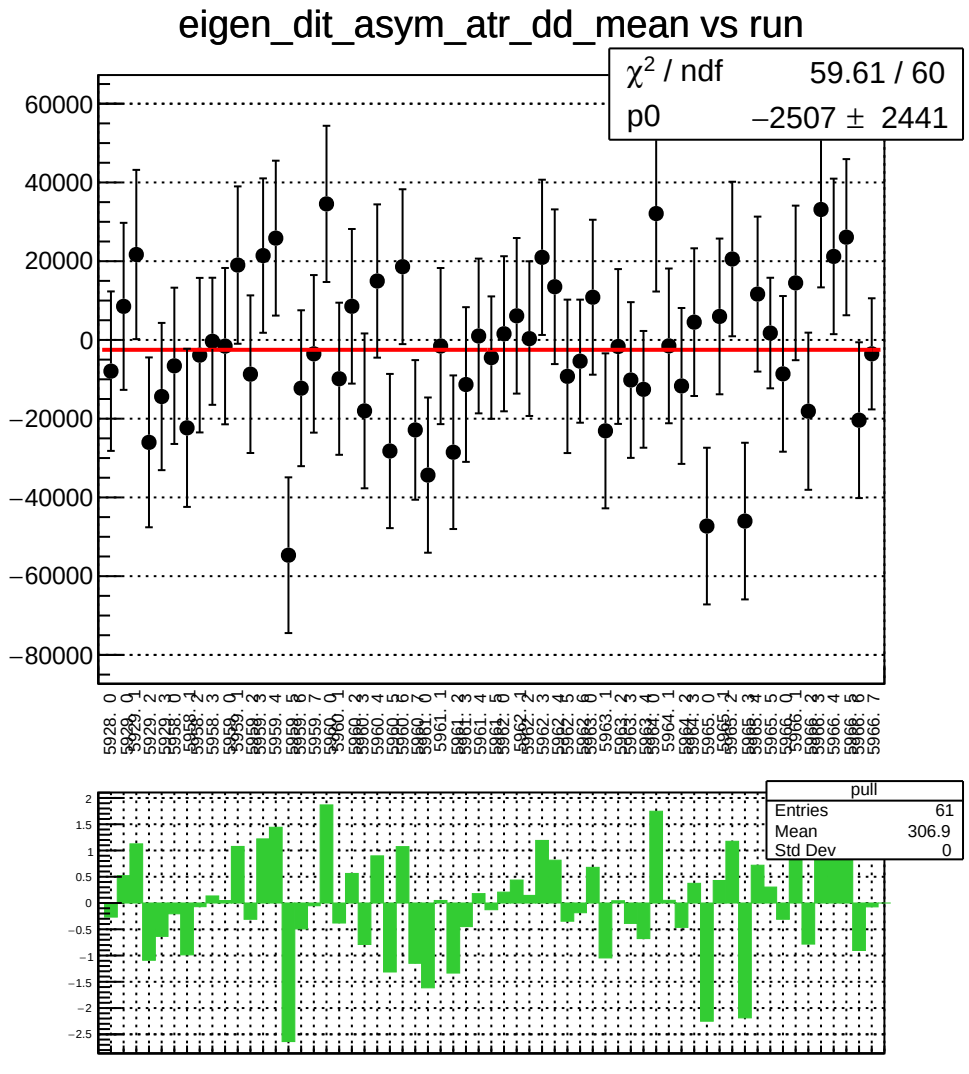

pull1D
Entries 61
Mean 0.005166
Std Dev 0.9885

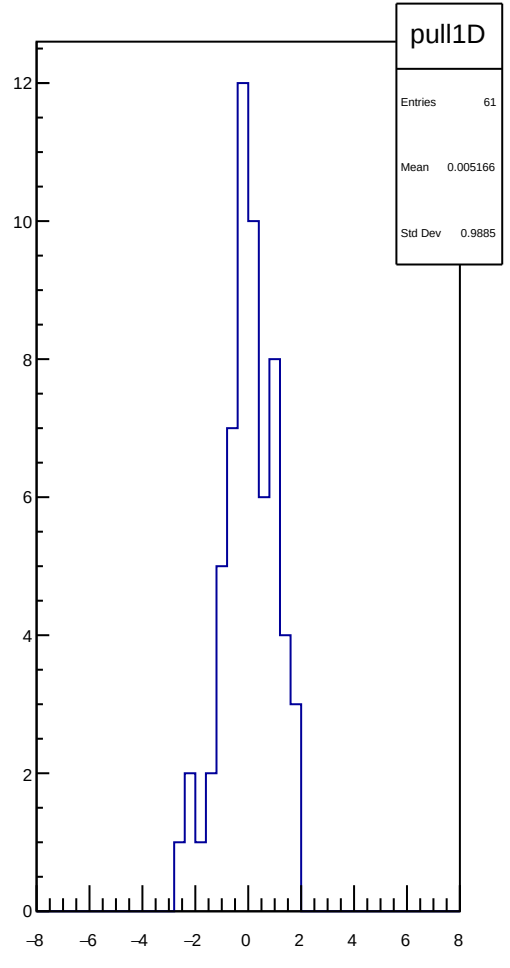

dit_asym_atr_dd_rms vs run
χ² / ndf 637.9 / 60
p0 1884 ± 1.726
2050
2000
1950
1900
1850
1800

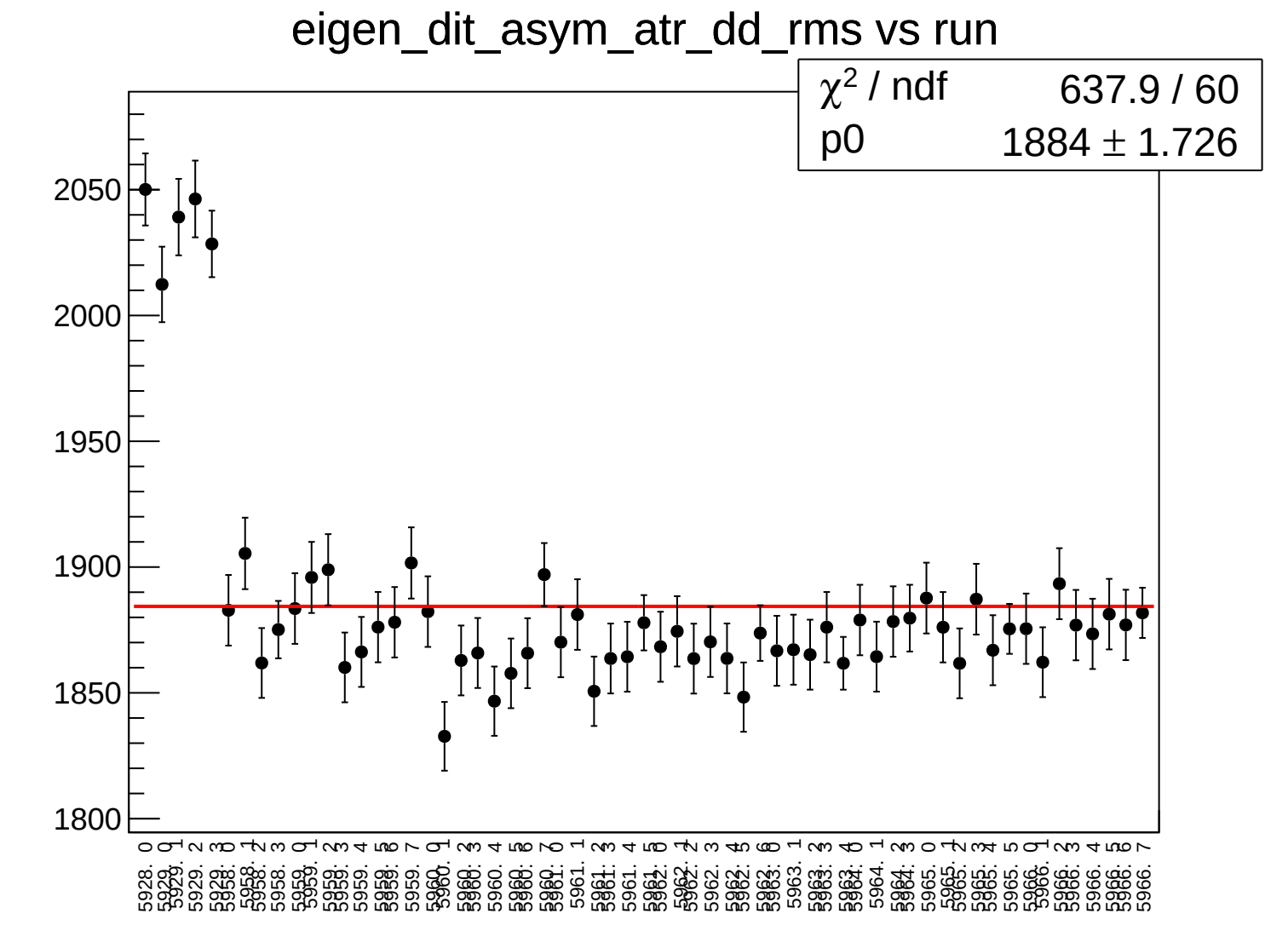

asym_atr_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 71.84 / 60
p0 −1171 ± 6019
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 80.35
Std Dev 0
2
1
0
−1
−2
−3

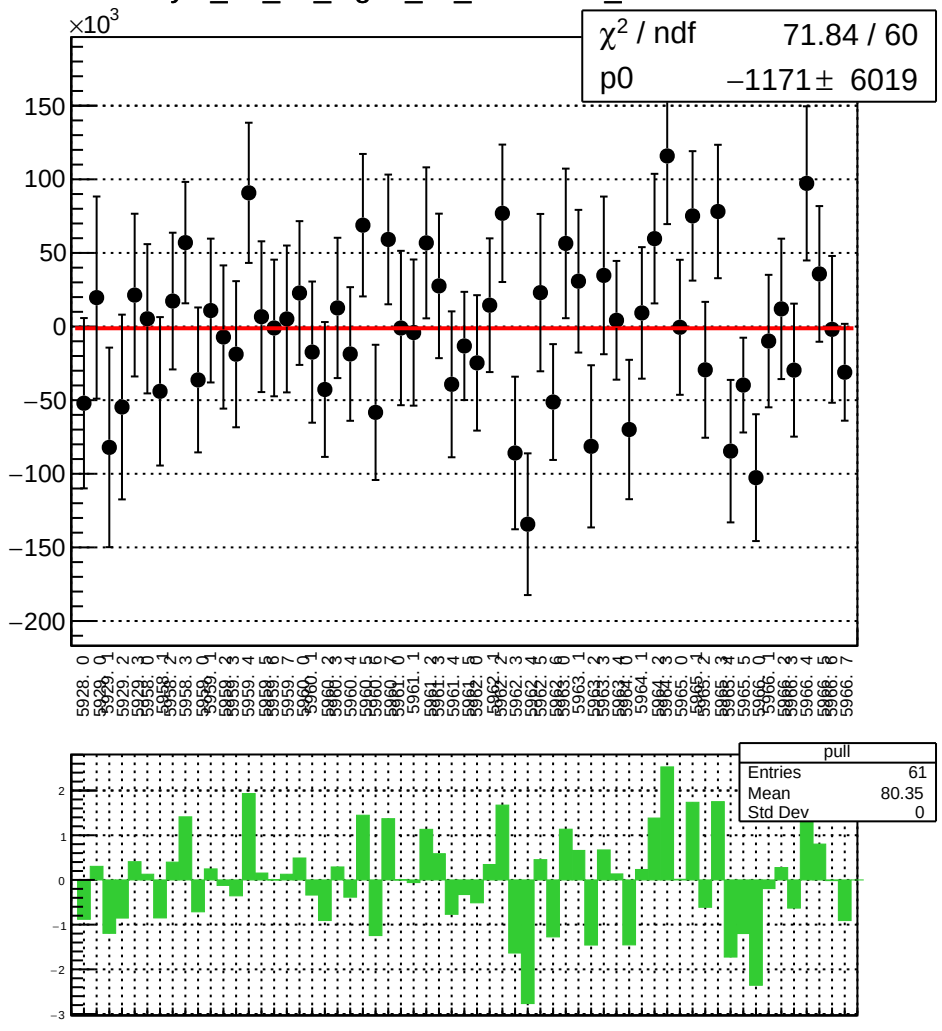

pull1D
Entries 61
Mean 0.00618
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

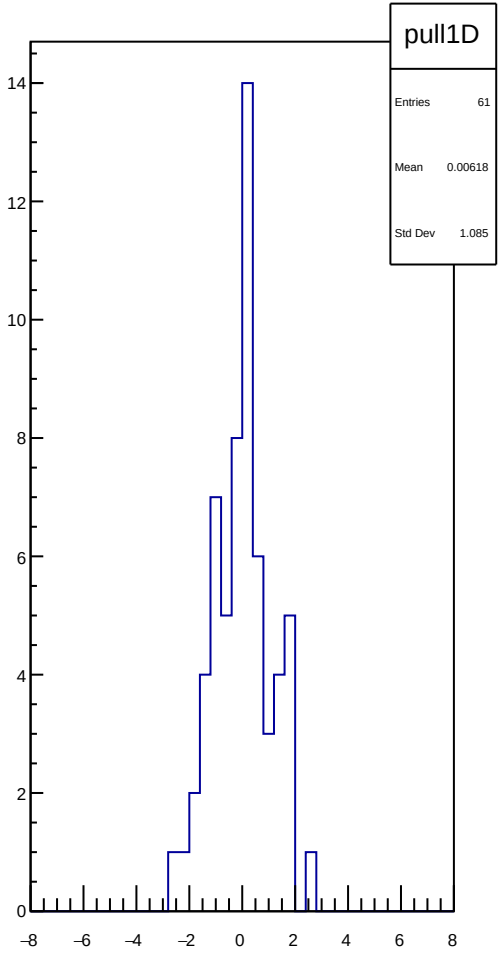

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 9569 / 60
p0 4629 ± 4.256
6500
6000
5500
5000
4500
4000

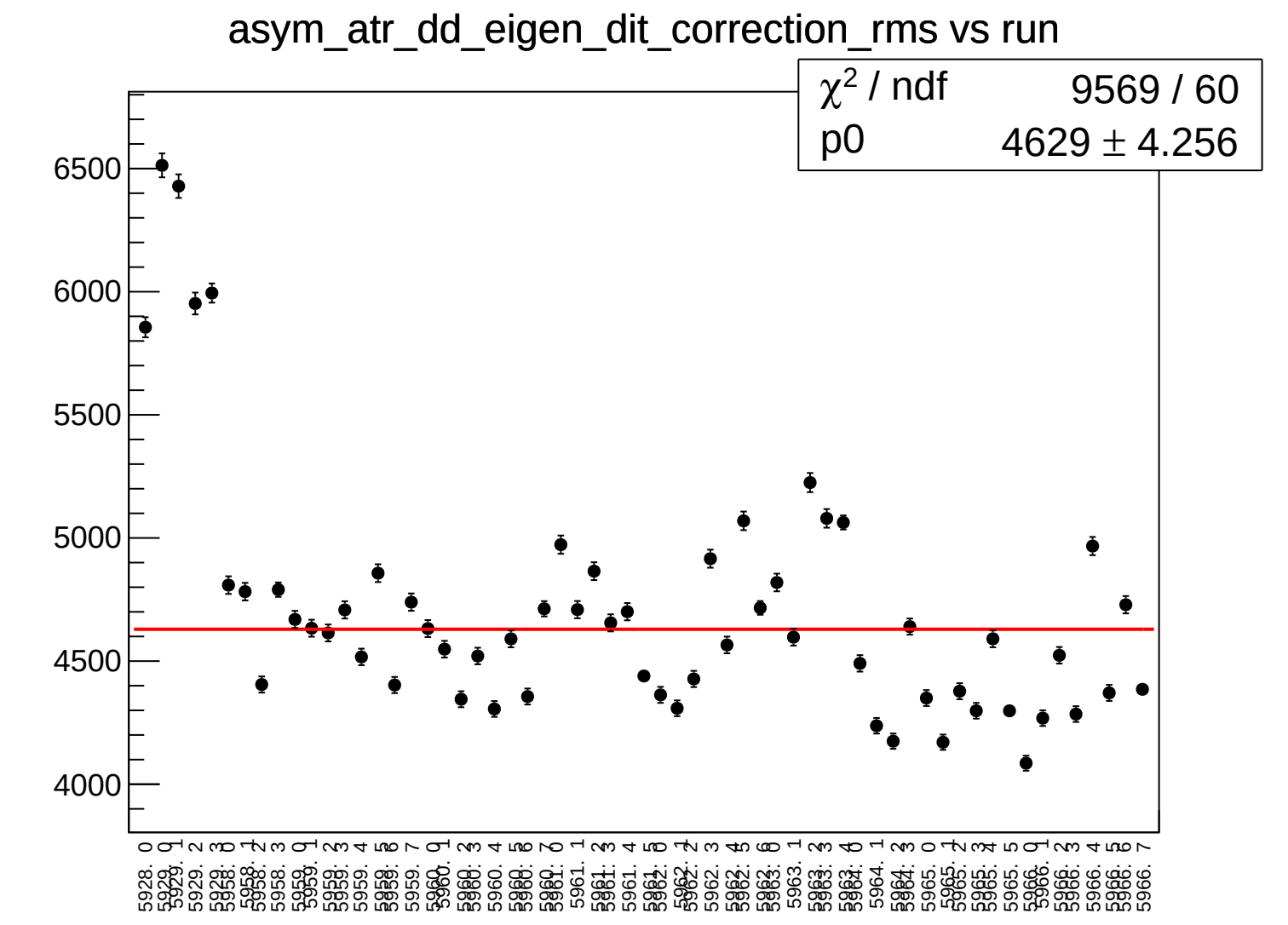

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 59.61 / 60
p0 −2507 ± 2441
pull
Entries 61
Mean 306.9
Std Dev 0

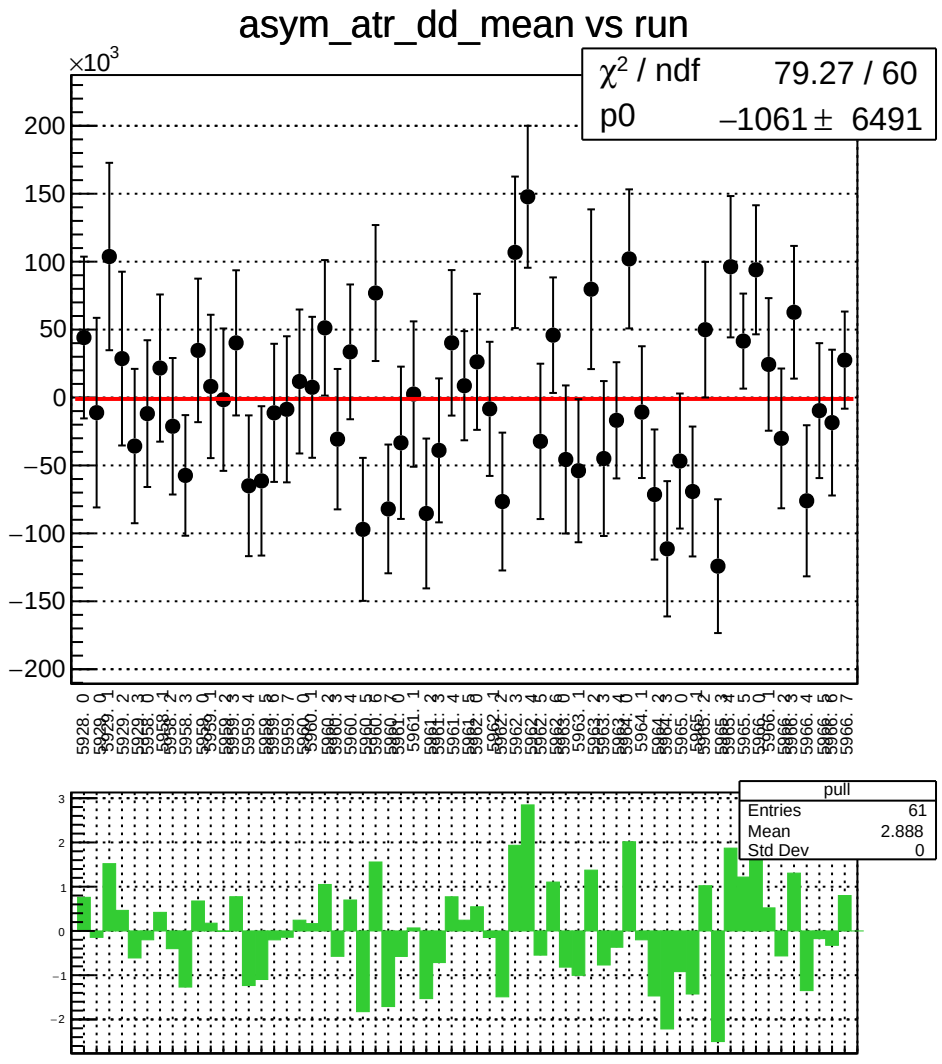

pull1D
Entries 61
Mean 0.005166
Std Dev 0.9885

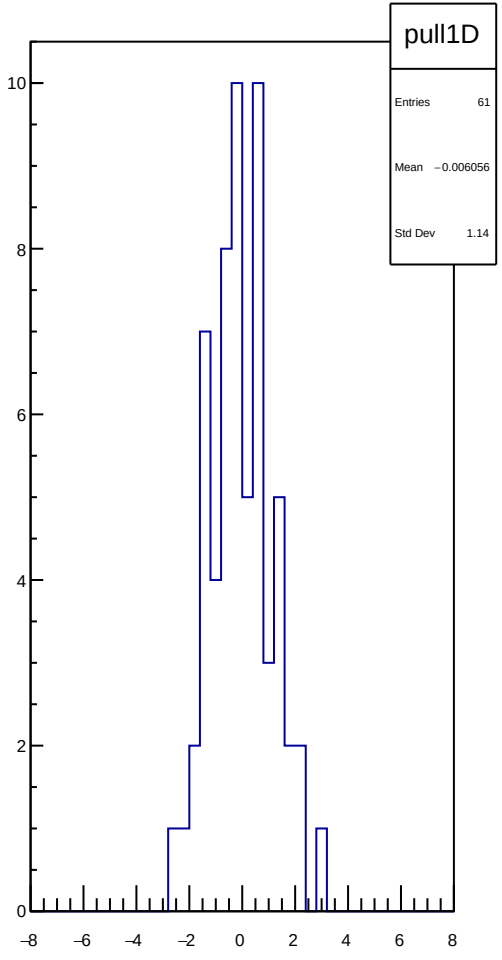

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 637.9 / 60
p0 1884 ± 1.726
2050
2000
1950
1900
1850
1800

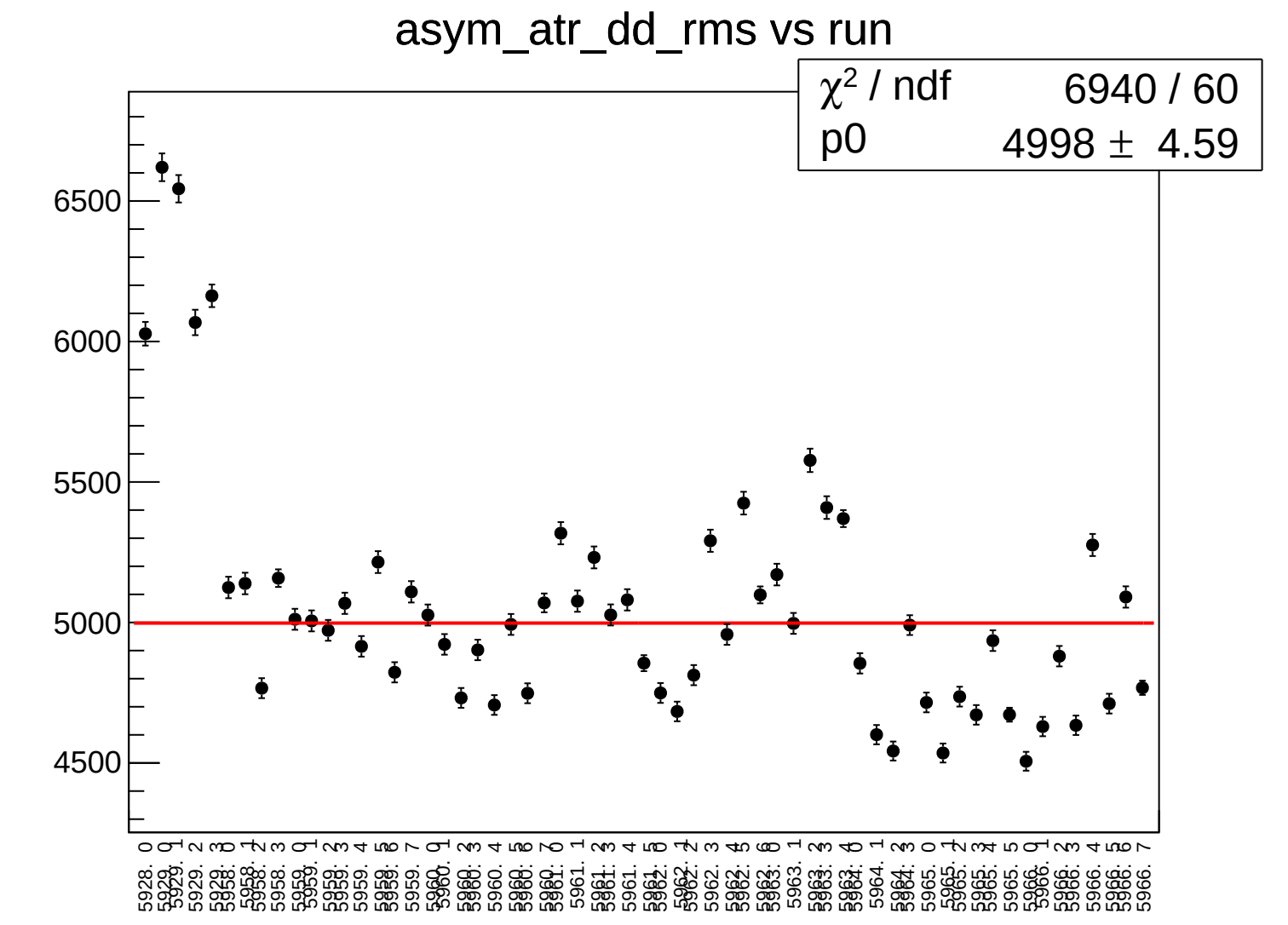

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 71.84 / 60
p0 −1171 ± 6019
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 80.35
Std Dev 0
2
1
0
−1
−2
−3

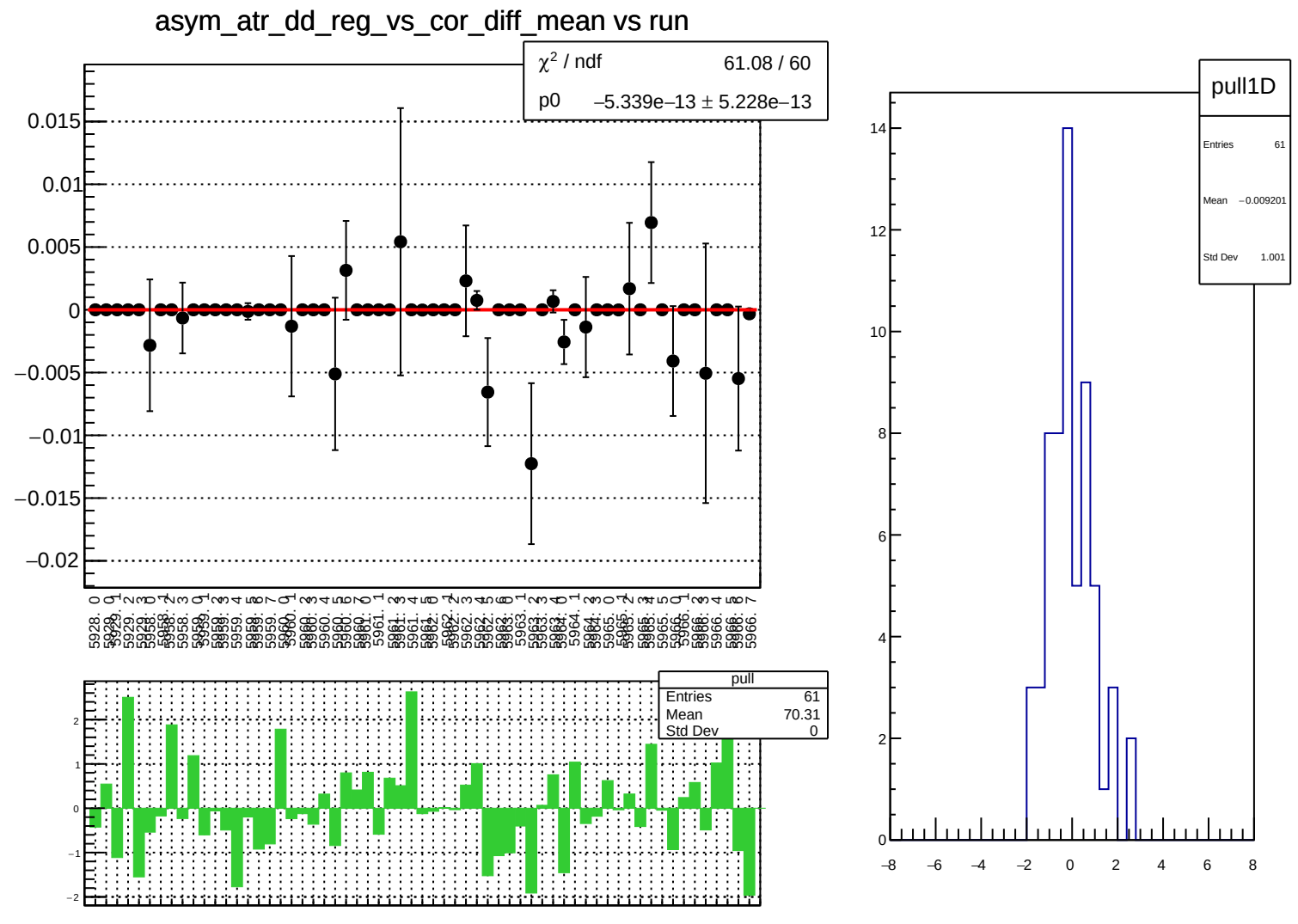

pull1D
Entries 61
Mean 0.00618
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

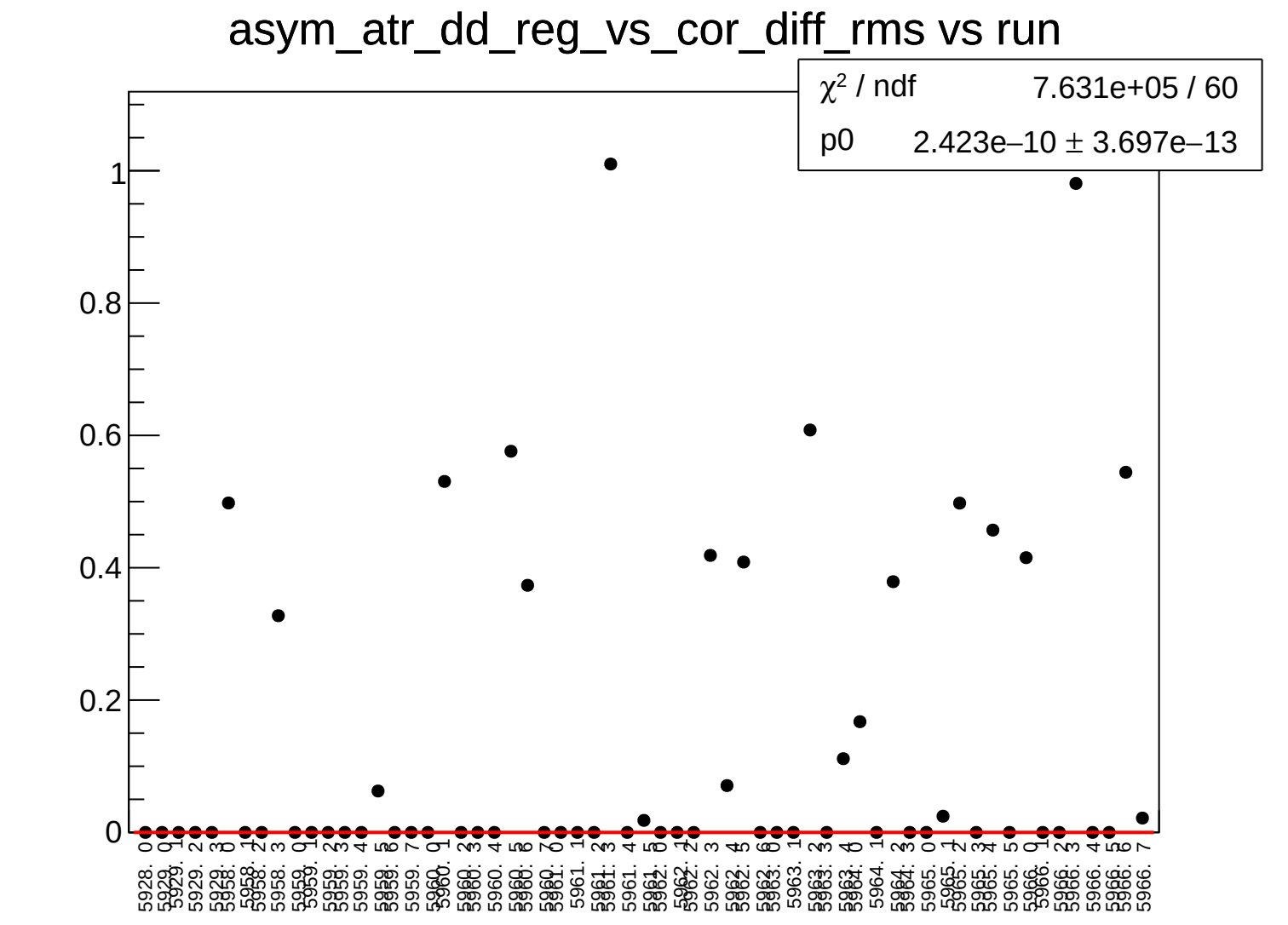

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 9569 / 60
p0 4629 ± 4.256
6500
6000
5500
5000
4500
4000

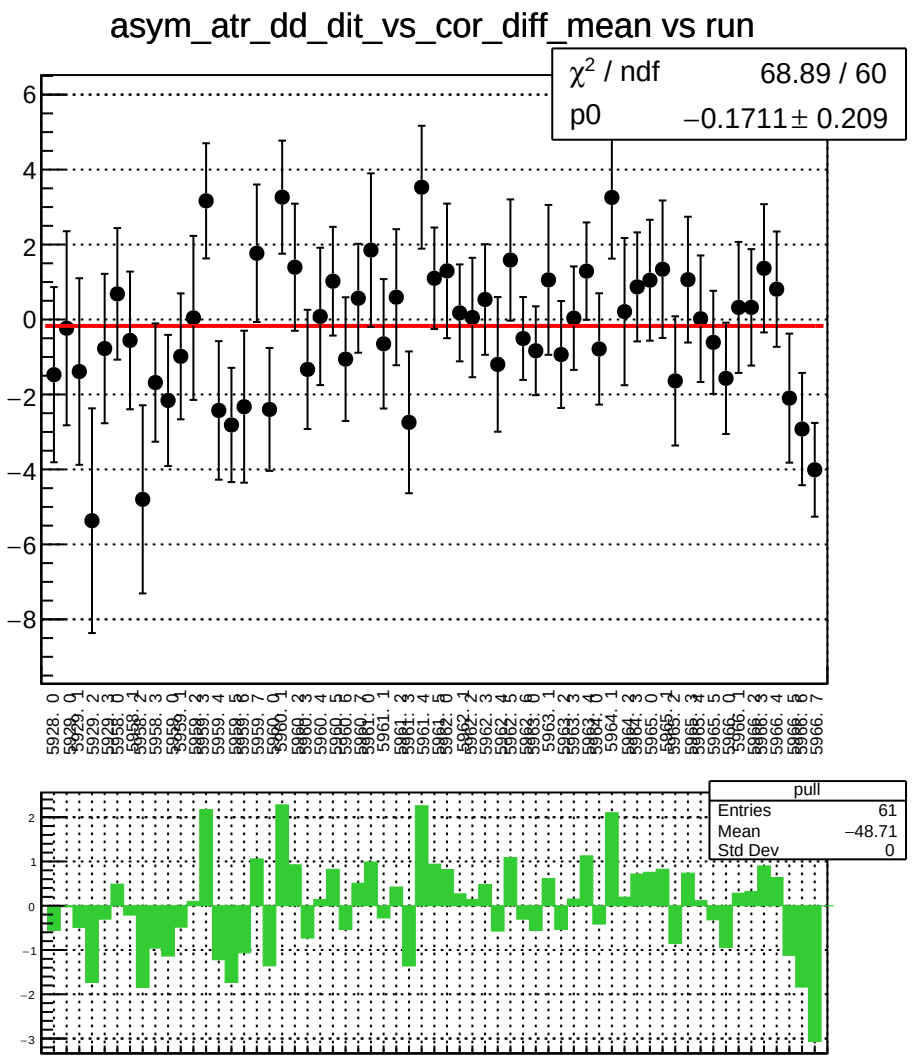

asym_atr_dd_mean vs run
×10^3
χ² / ndf 79.27 / 60
p0 −1061 ± 6491
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 2.888
Std Dev 0
3
2
1
0
−1
−2

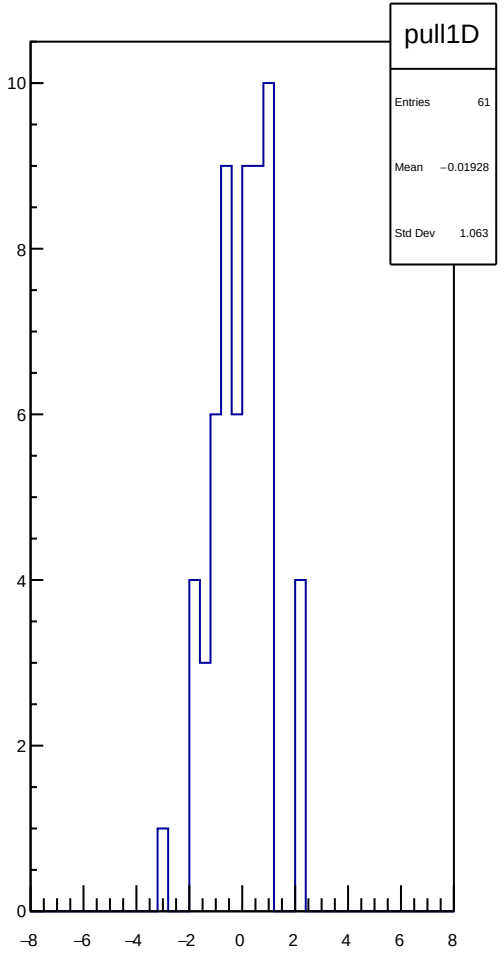

pull1D
Entries 61
Mean −0.006056
Std Dev 1.14
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

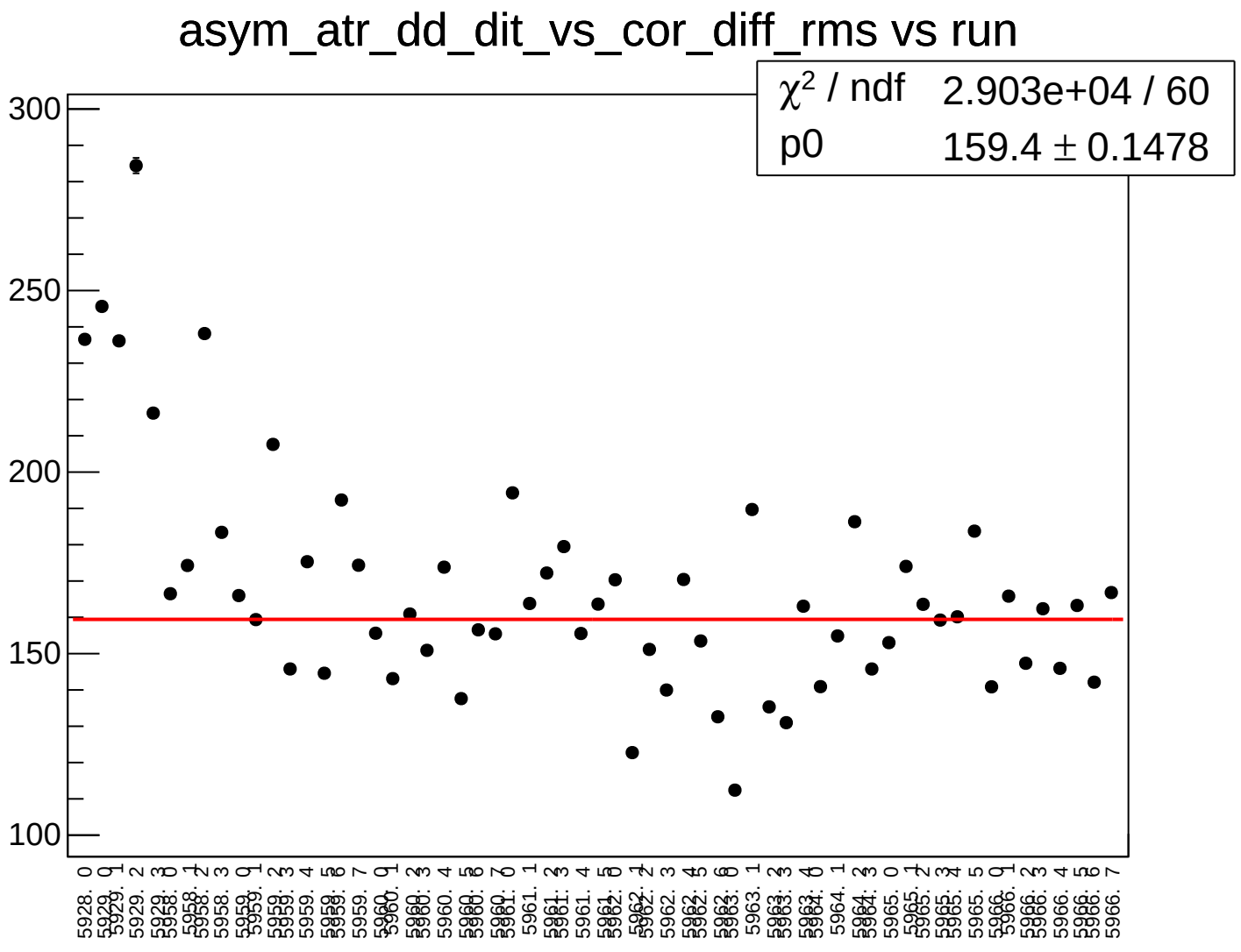

asym_atr_dd_rms vs run
χ² / ndf 6940 / 60
p0 4998 ± 4.59
6500
6000
5500
5000
4500

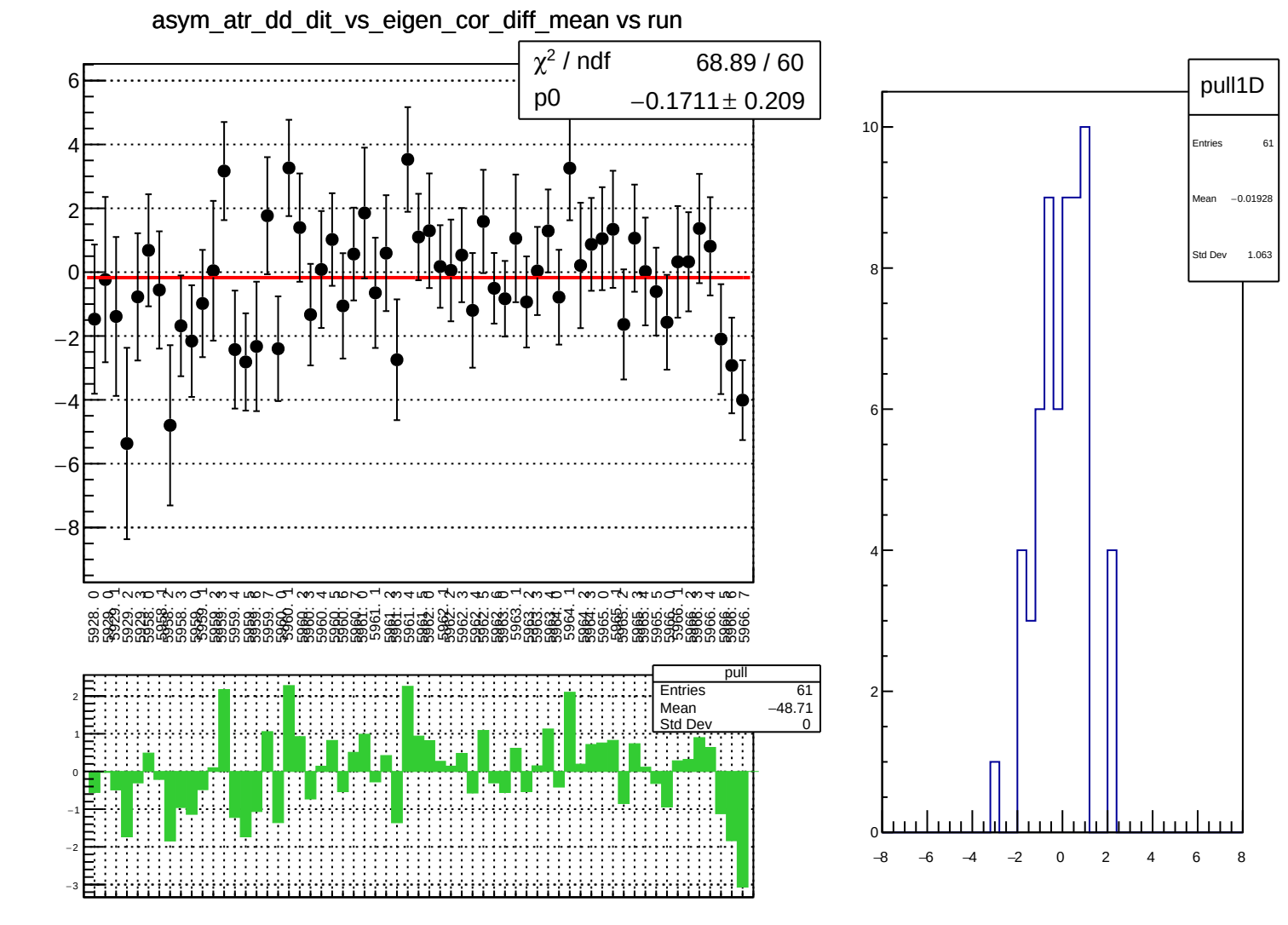

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 60
p0 −5.339e−13 ± 5.228e−13
pull
Entries 61
Mean 70.31
Std Dev 0
pull1D
Entries 61
Mean −0.009201
Std Dev 1.001

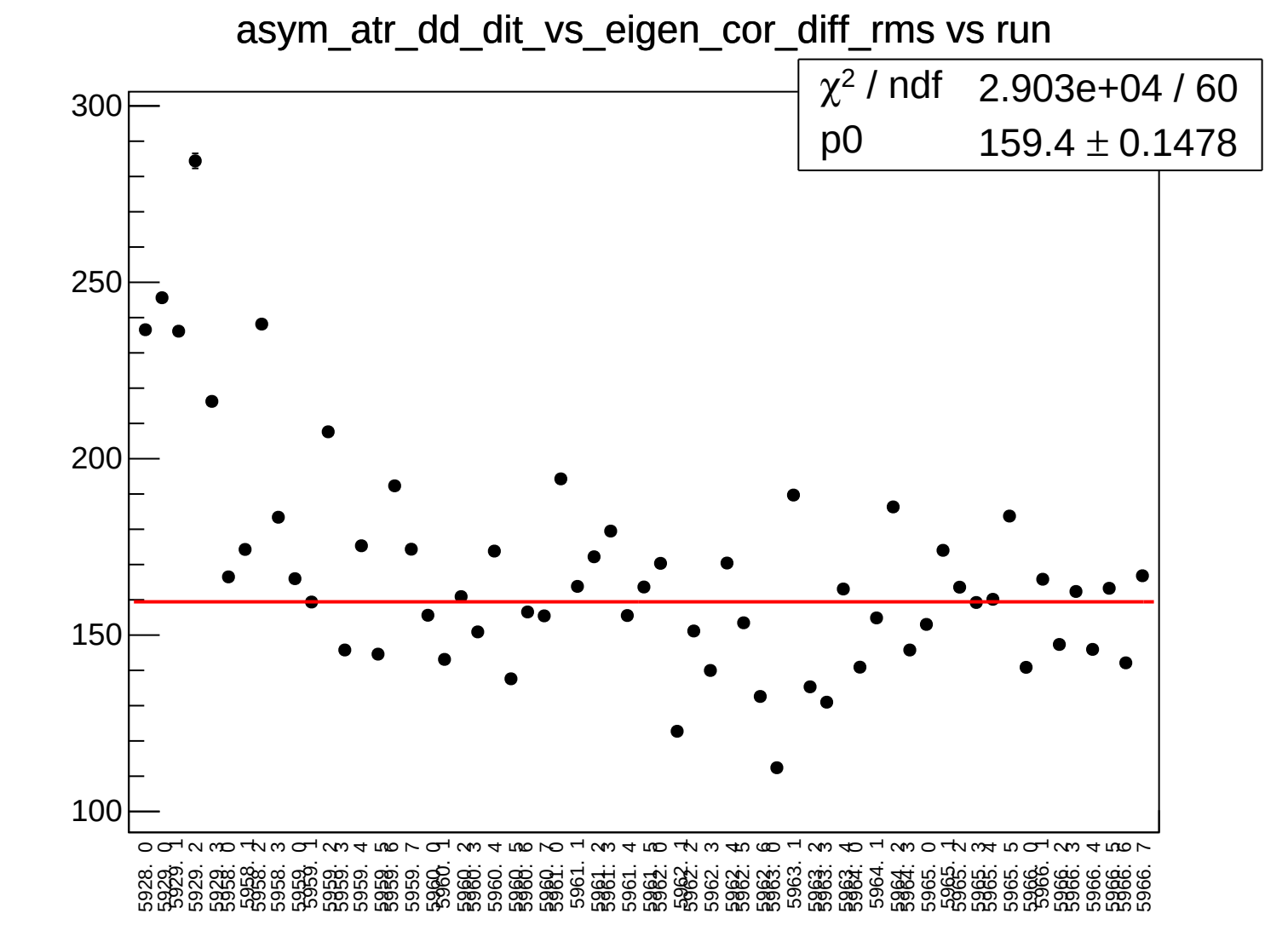

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.631e+05 / 60
p0 2.423e−10 ± 3.697e−13
1
0.8
0.6
0.4
0.2
0

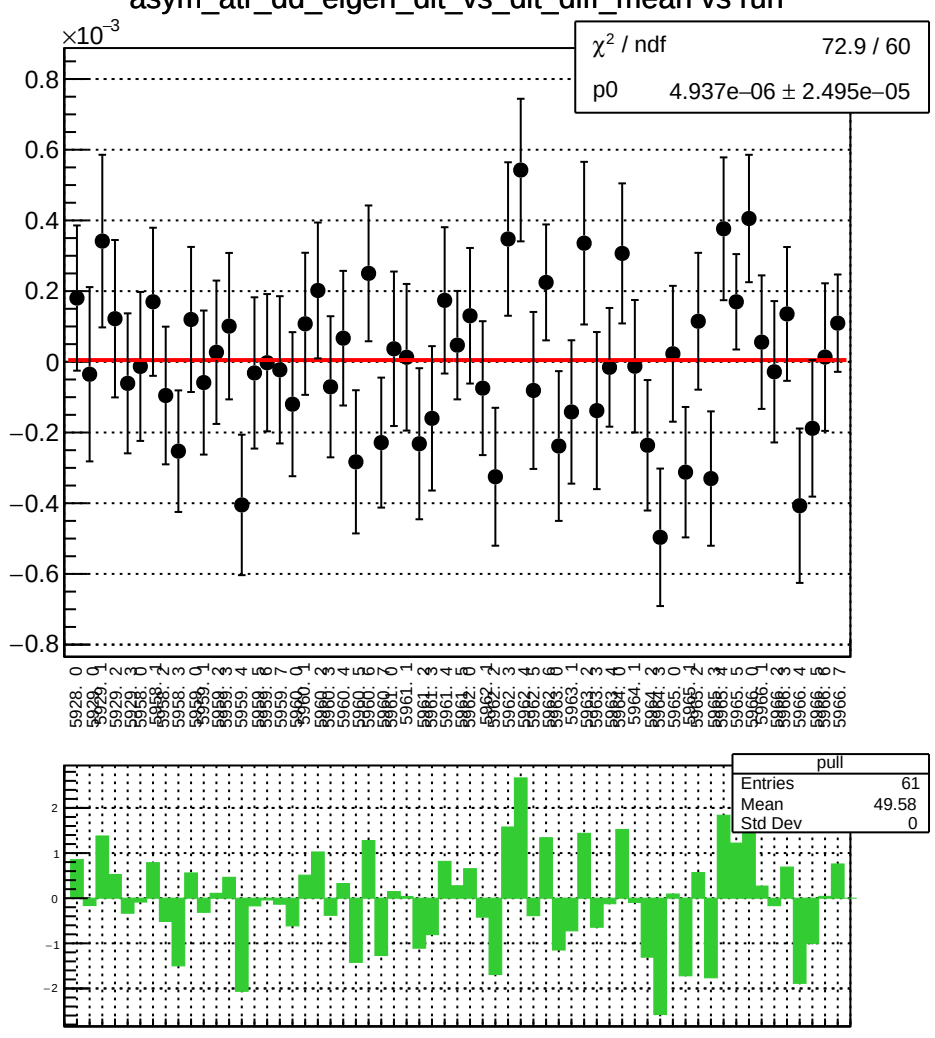

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.89 / 60
p0 −0.1711 ± 0.209
pull
Entries 61
Mean −48.71
Std Dev 0

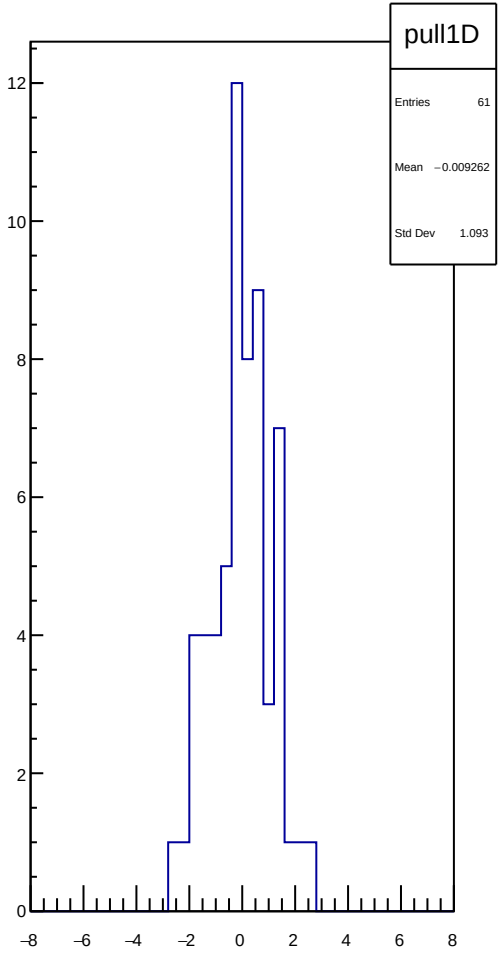

pull1D
Entries 61
Mean −0.01928
Std Dev 1.063

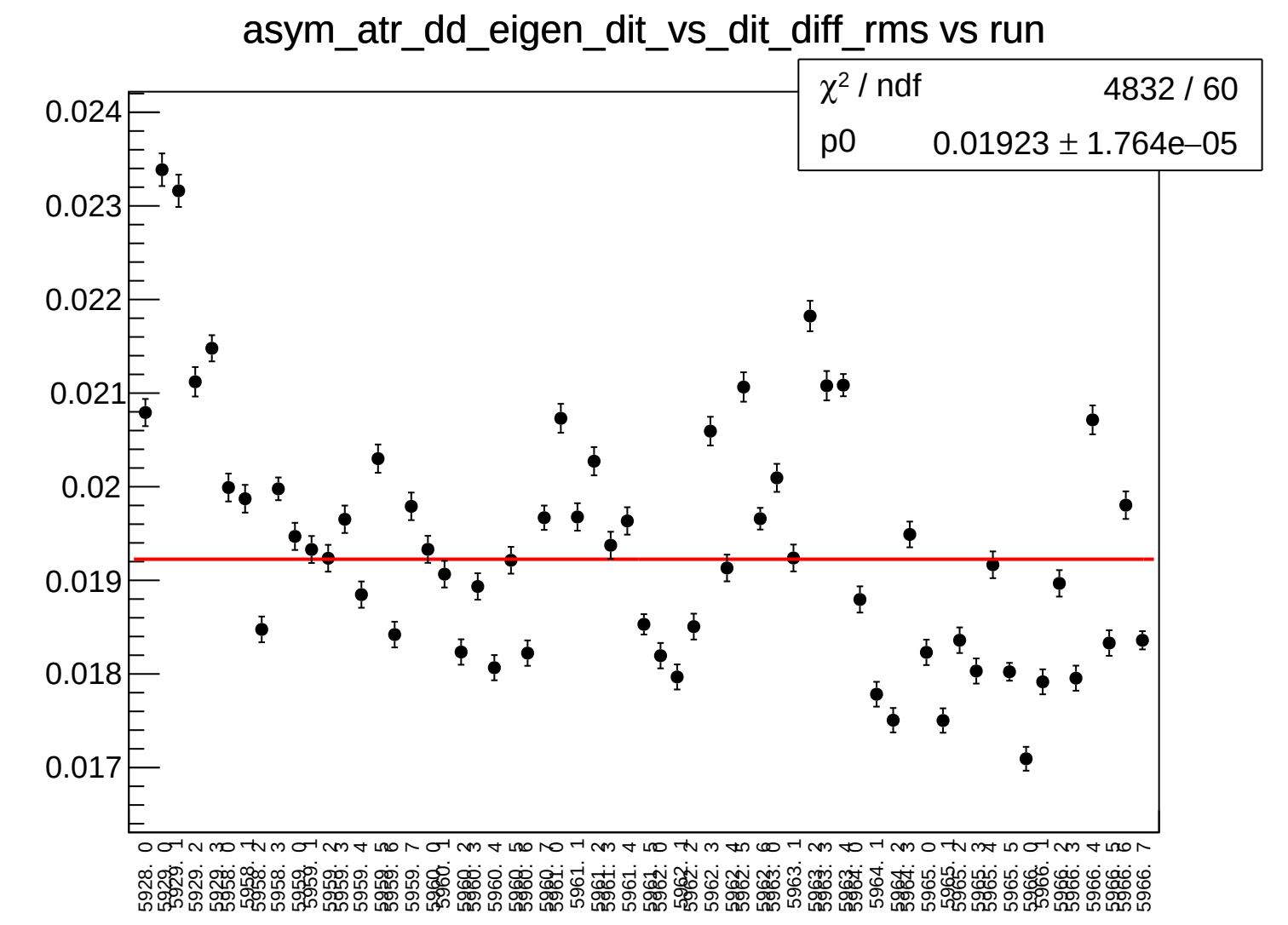

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.903e+04 / 60
p0 159.4 ± 0.1478
300
250
200
150
100

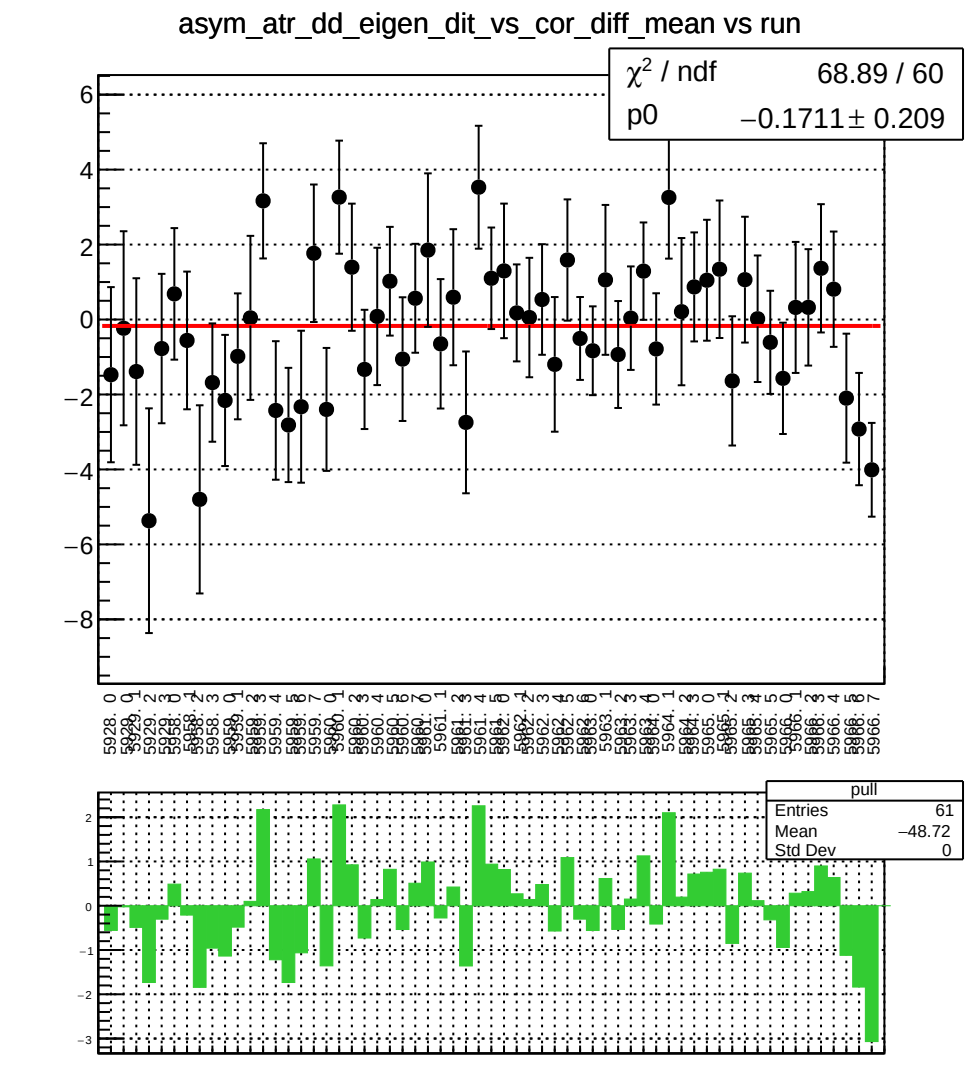

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.89 / 60
p0 −0.1711 ± 0.209
pull
Entries 61
Mean −48.71
Std Dev 0
pull1D
Entries 61
Mean −0.01928
Std Dev 1.063

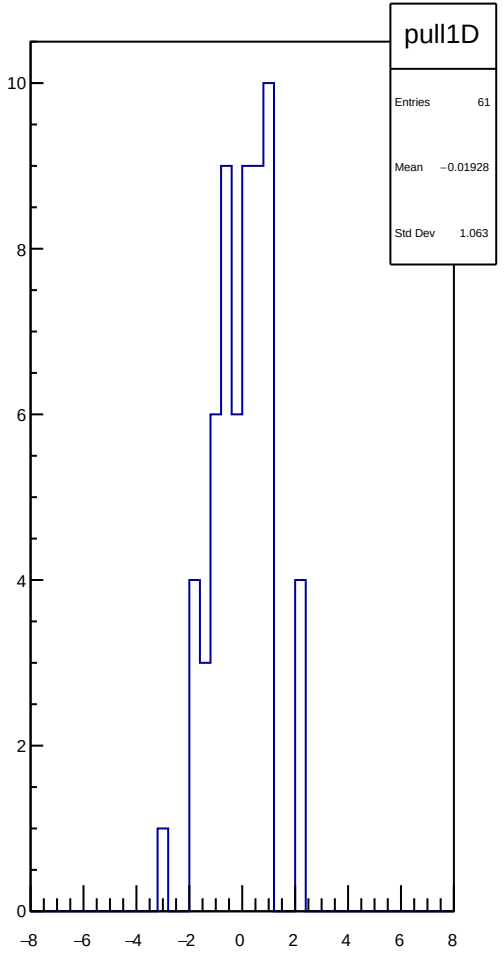

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.903e+04 / 60
p0 159.4 ± 0.1478
300
250
200
150
100

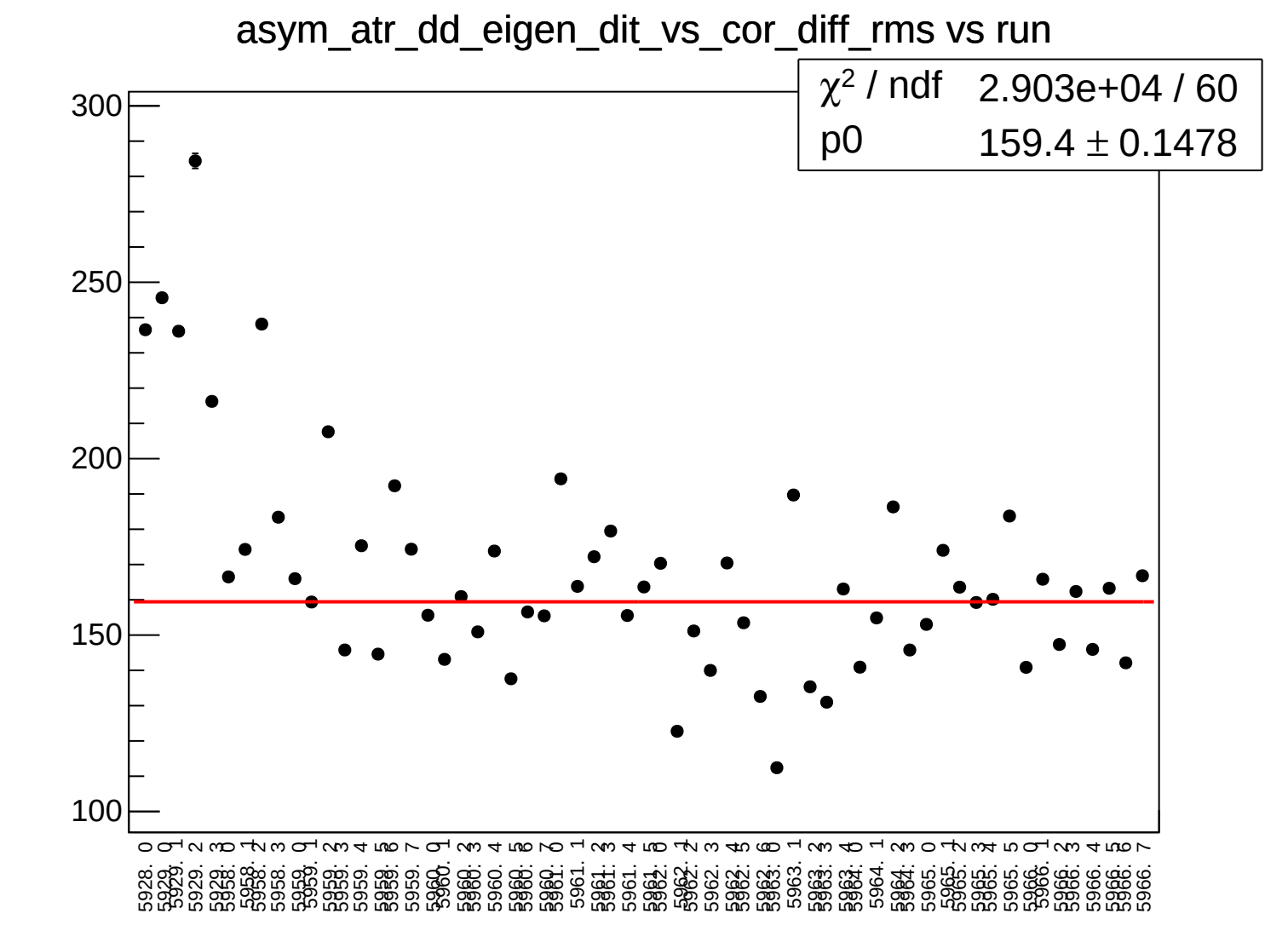

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.9 / 60
p0 4.937e−06 ± 2.495e−05
pull
Entries 61
Mean 49.58
Std Dev 0

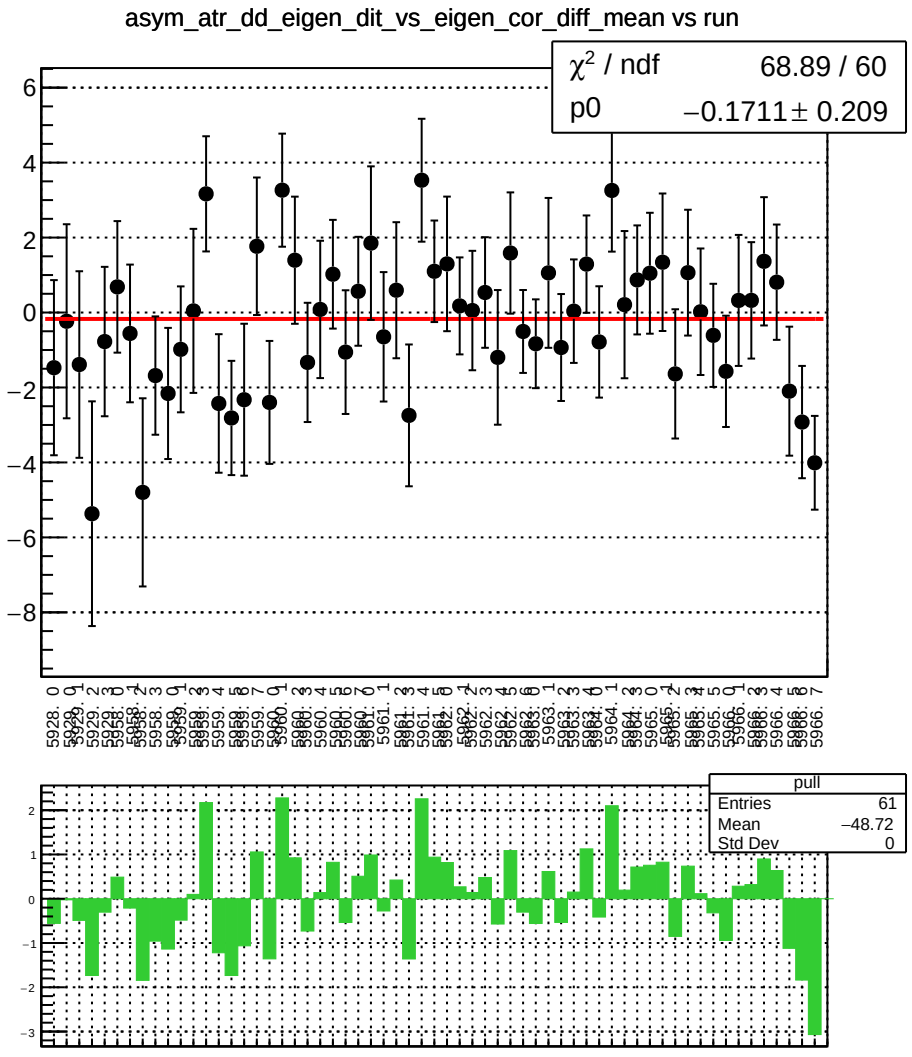

pull1D
Entries 61
Mean −0.009262
Std Dev 1.093

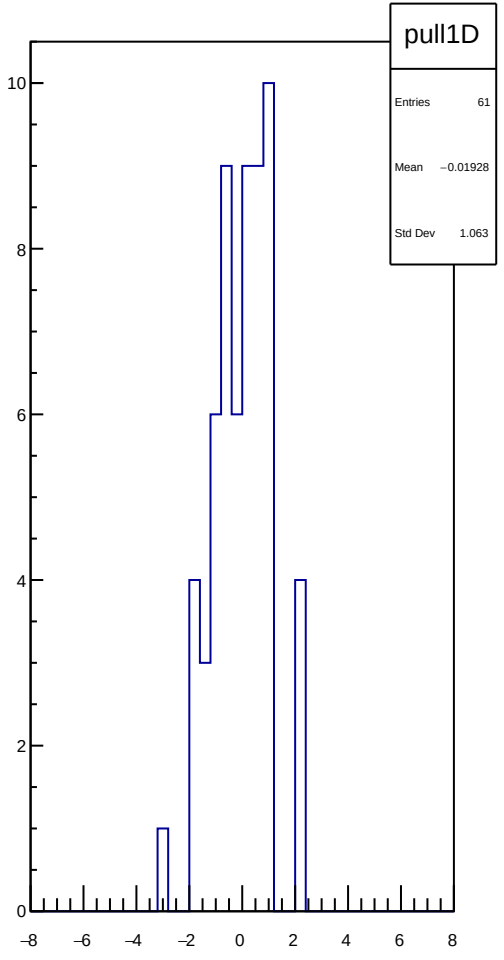

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4832 / 60
p0 0.01923 ± 1.764e−05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017

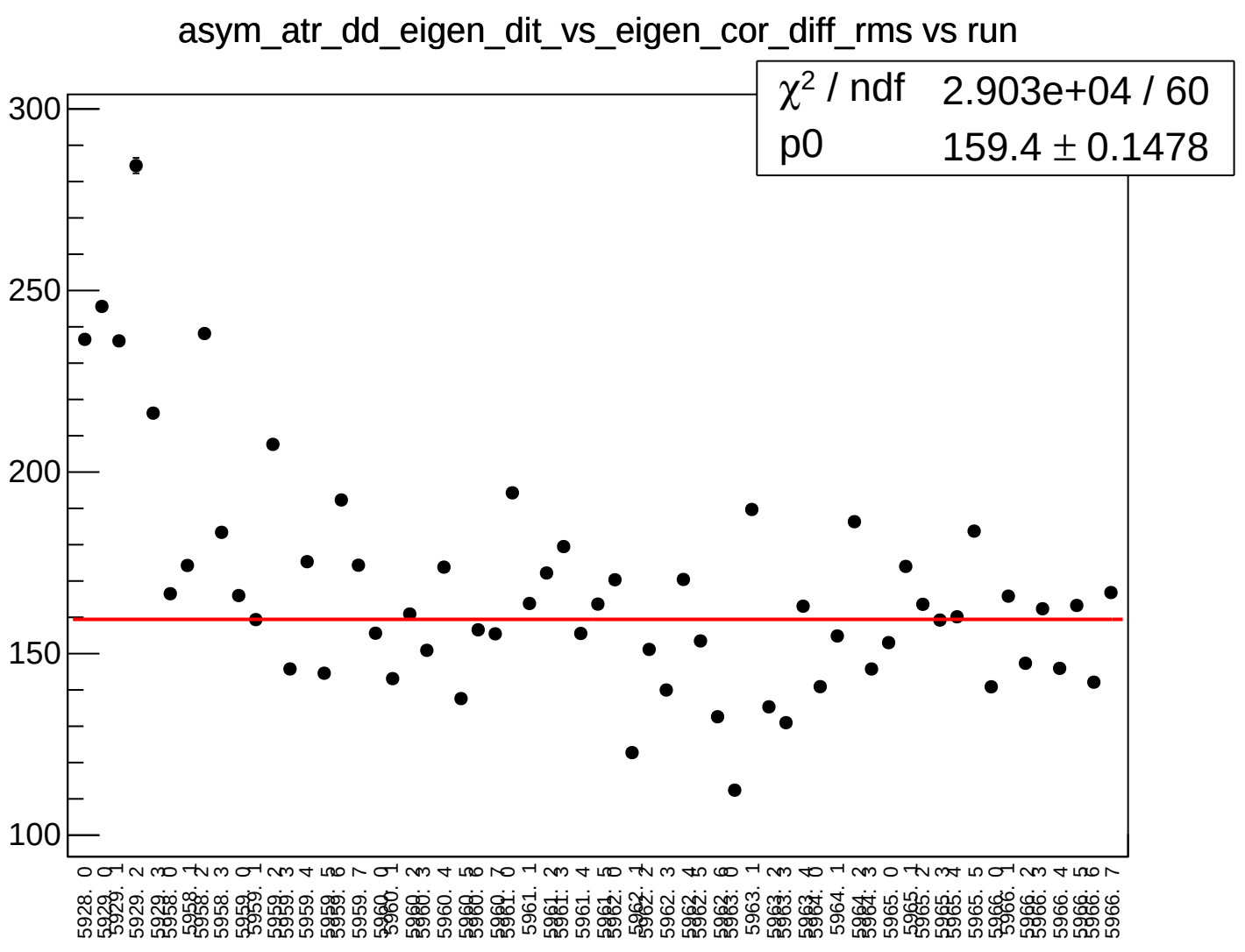

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.89 / 60
p0 −0.1711 ± 0.209
pull
Entries 61
Mean −48.72
Std Dev 0

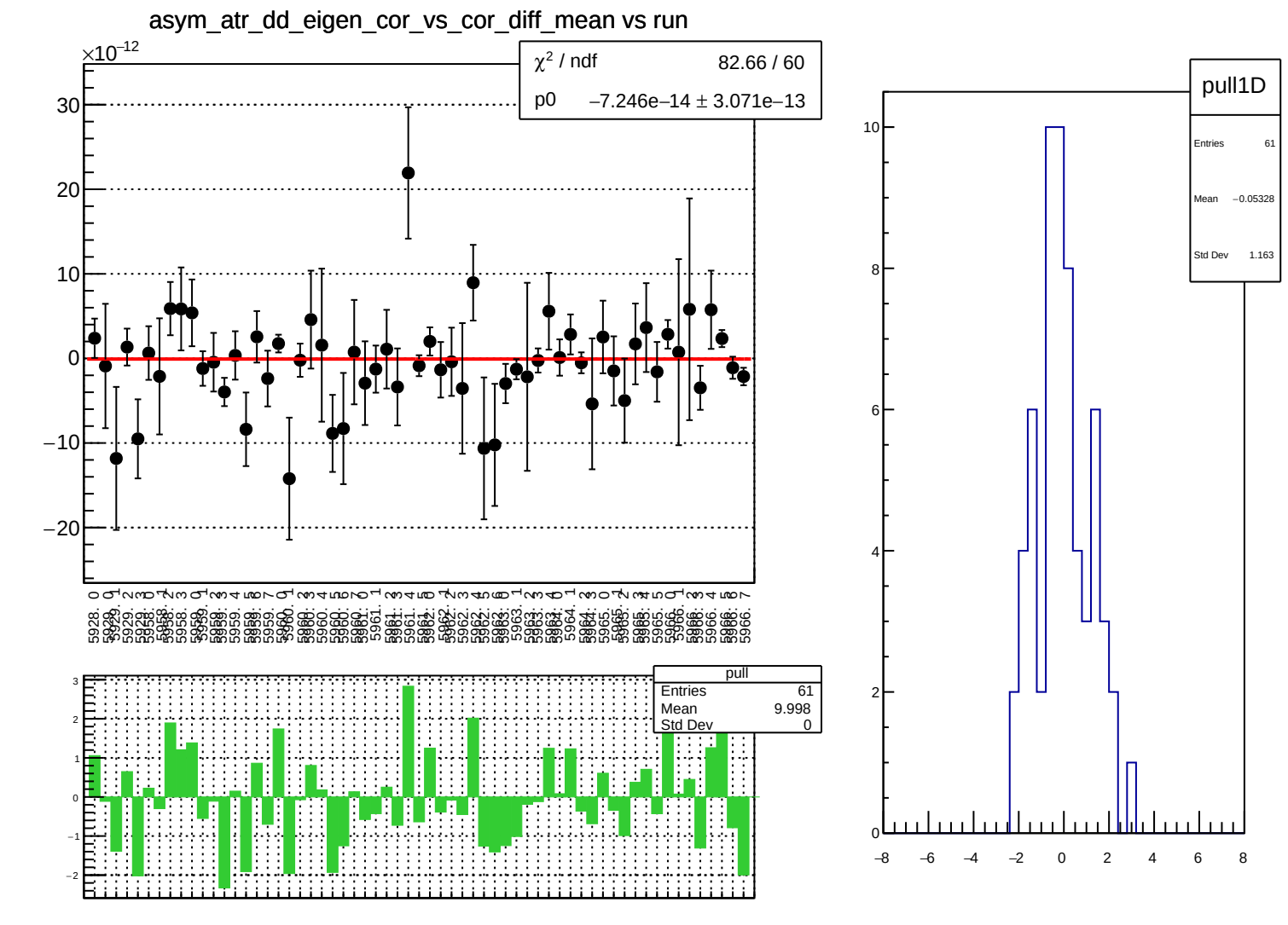

pull1D
Entries 61
Mean −0.01928
Std Dev 1.063

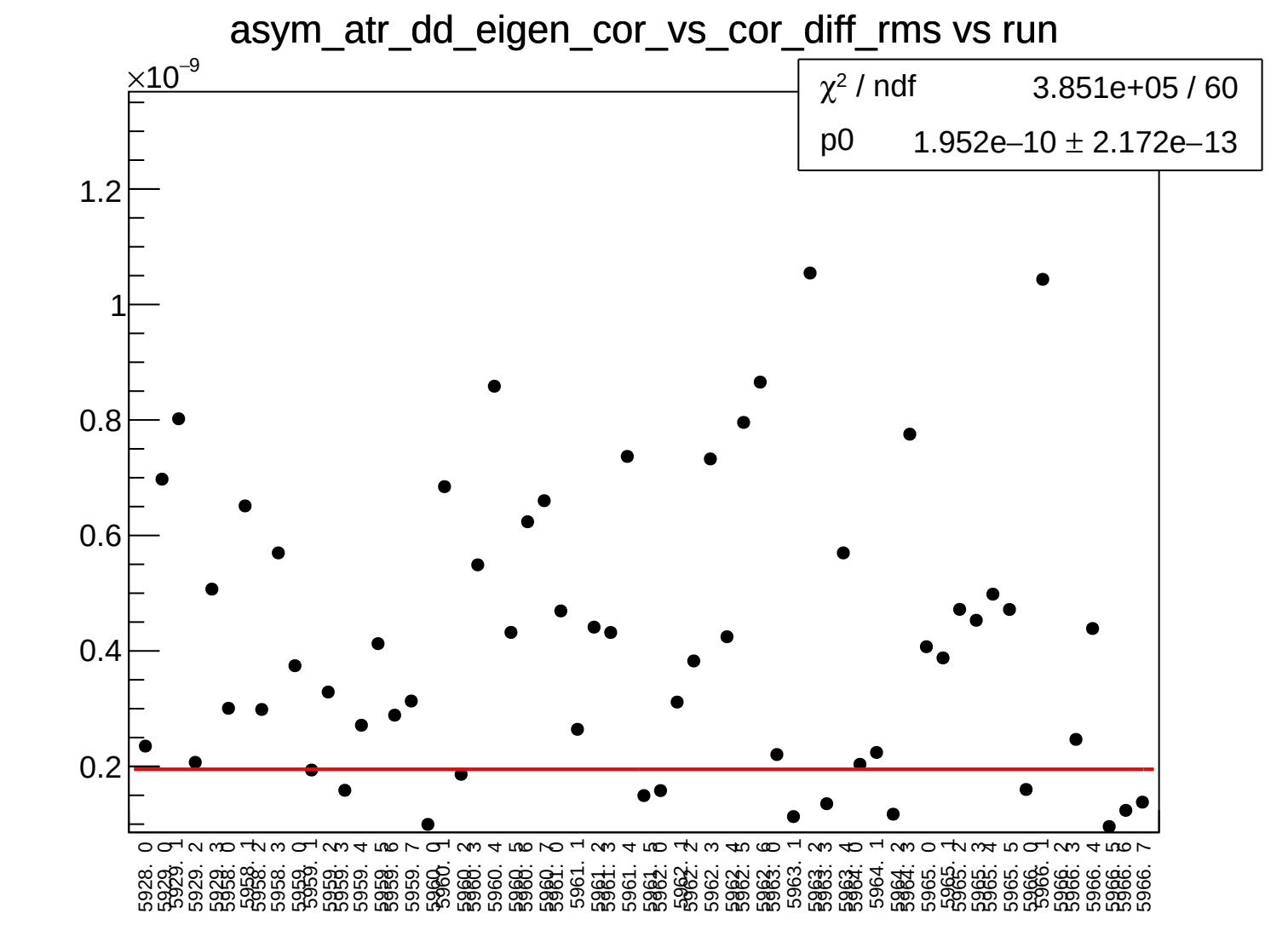

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.903e+04 / 60
p0 159.4 ± 0.1478
300
250
200
150
100

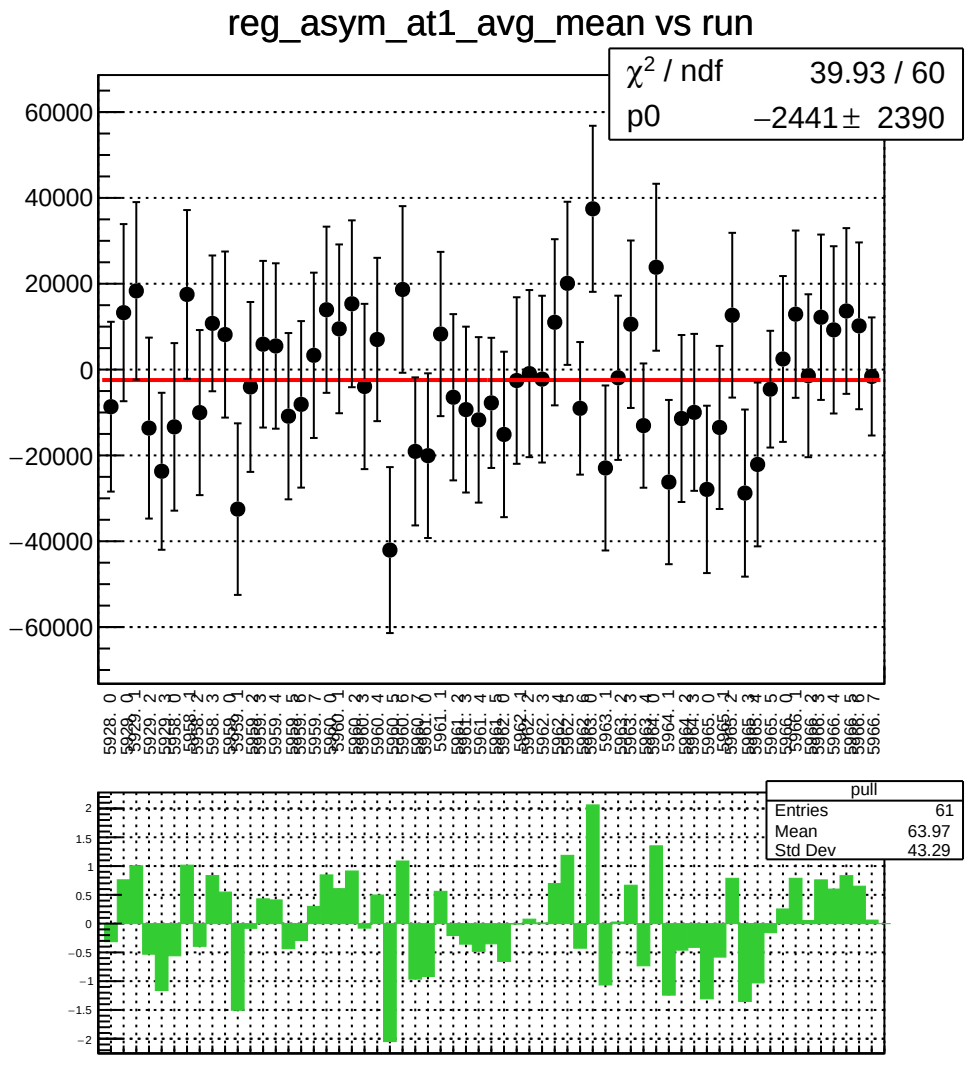

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.89 / 60
p0 −0.1711 ± 0.209
pull
Entries 61
Mean −48.72
Std Dev 0

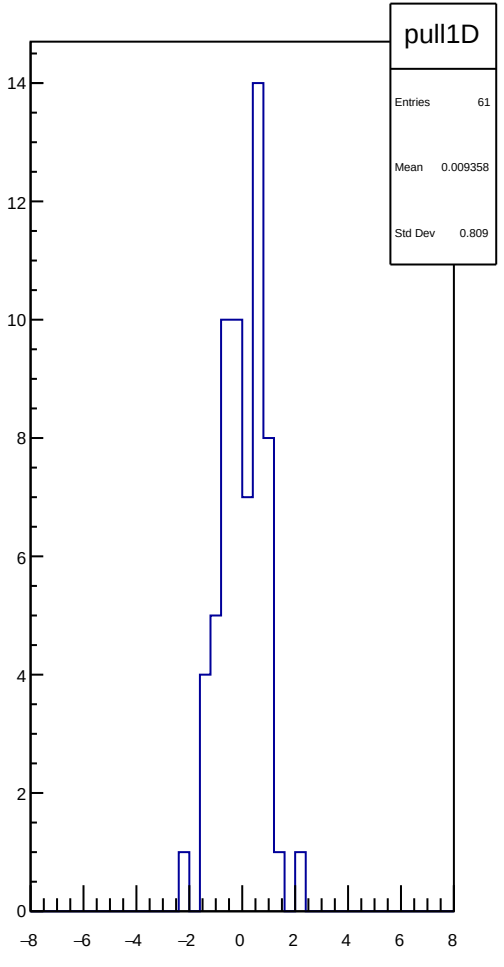

pull1D
Entries 61
Mean −0.01928
Std Dev 1.063

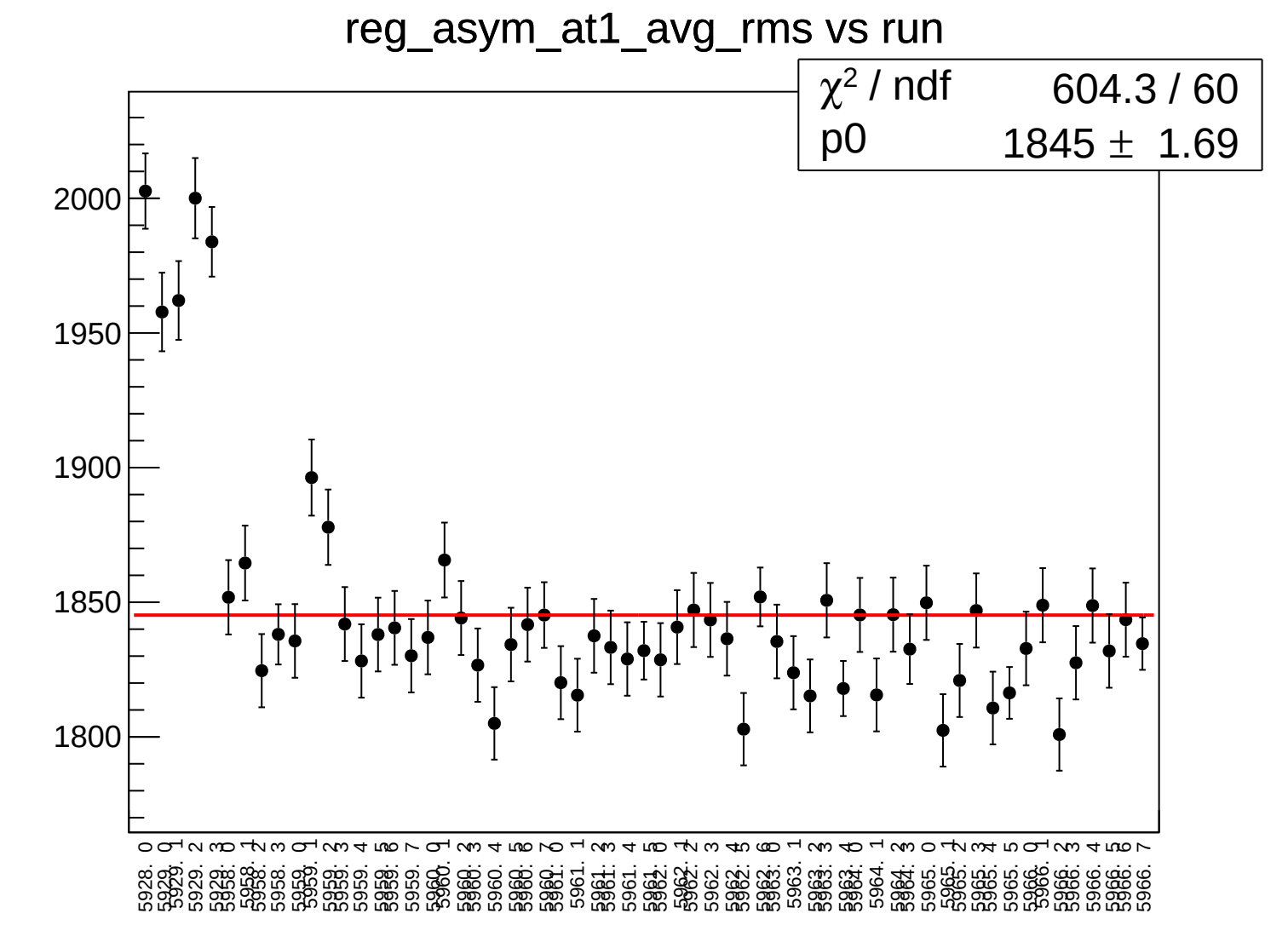

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.903e+04 / 60
p0 159.4 ± 0.1478
300
250
200
150
100

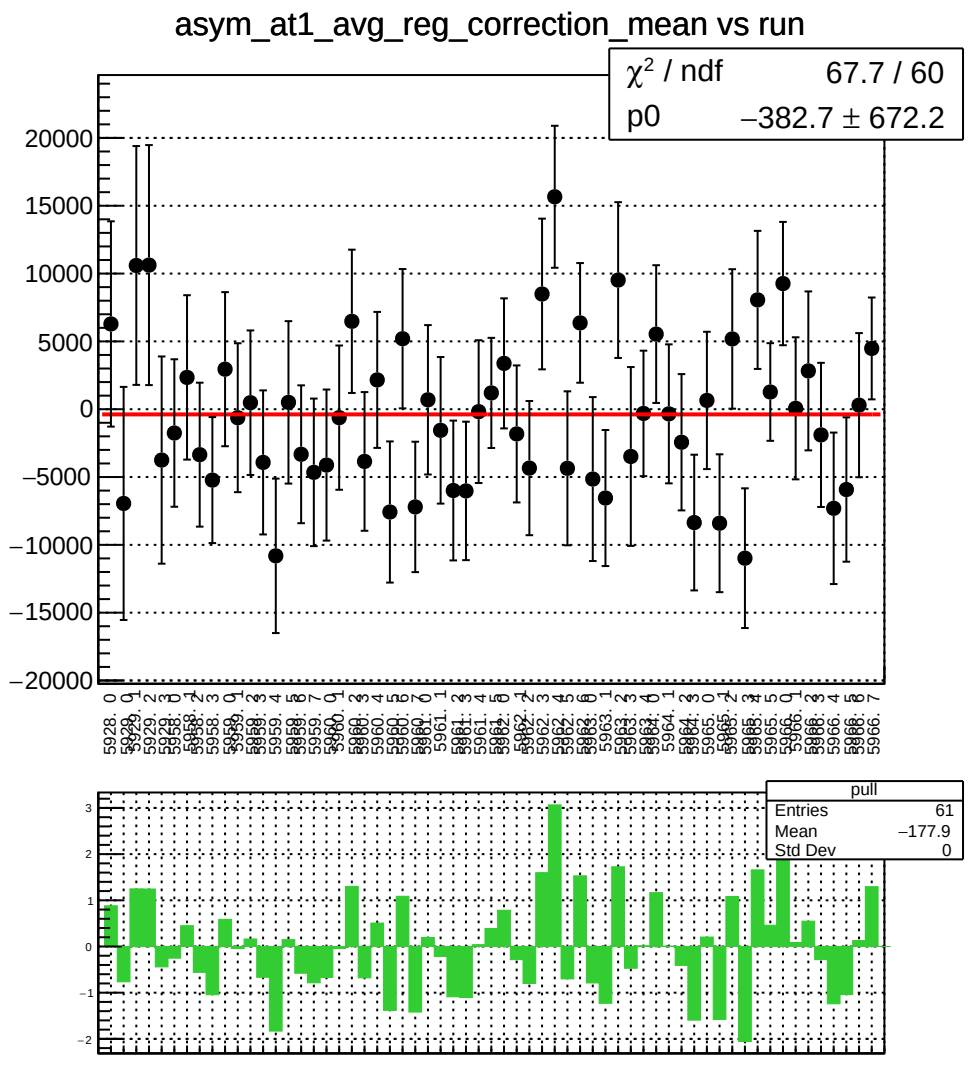

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.66 / 60
p0 −7.246e−14 ± 3.071e−13
pull
Entries 61
Mean 9.998
Std Dev 0
pull1D
Entries 61
Mean −0.05328
Std Dev 1.163

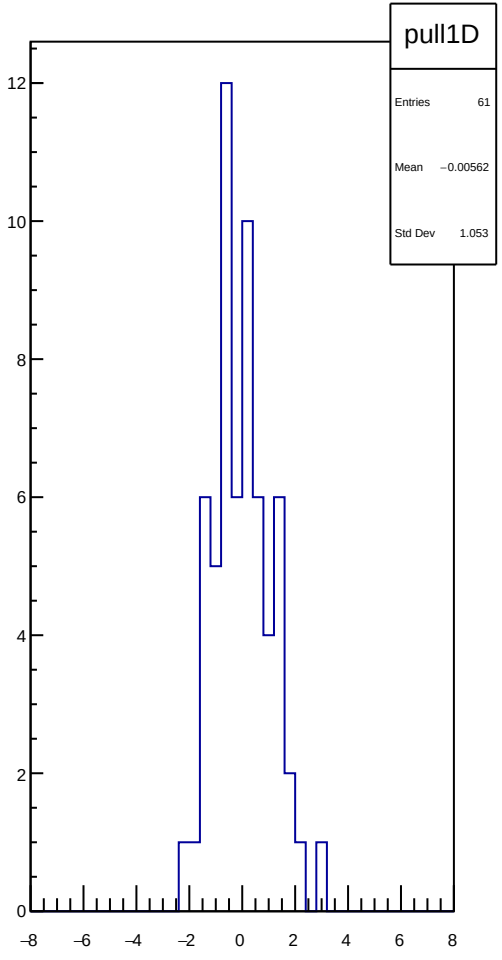

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.851e+05 / 60
p0 1.952e−10 ± 2.172e−13
1.2
1
0.8
0.6
0.4
0.2

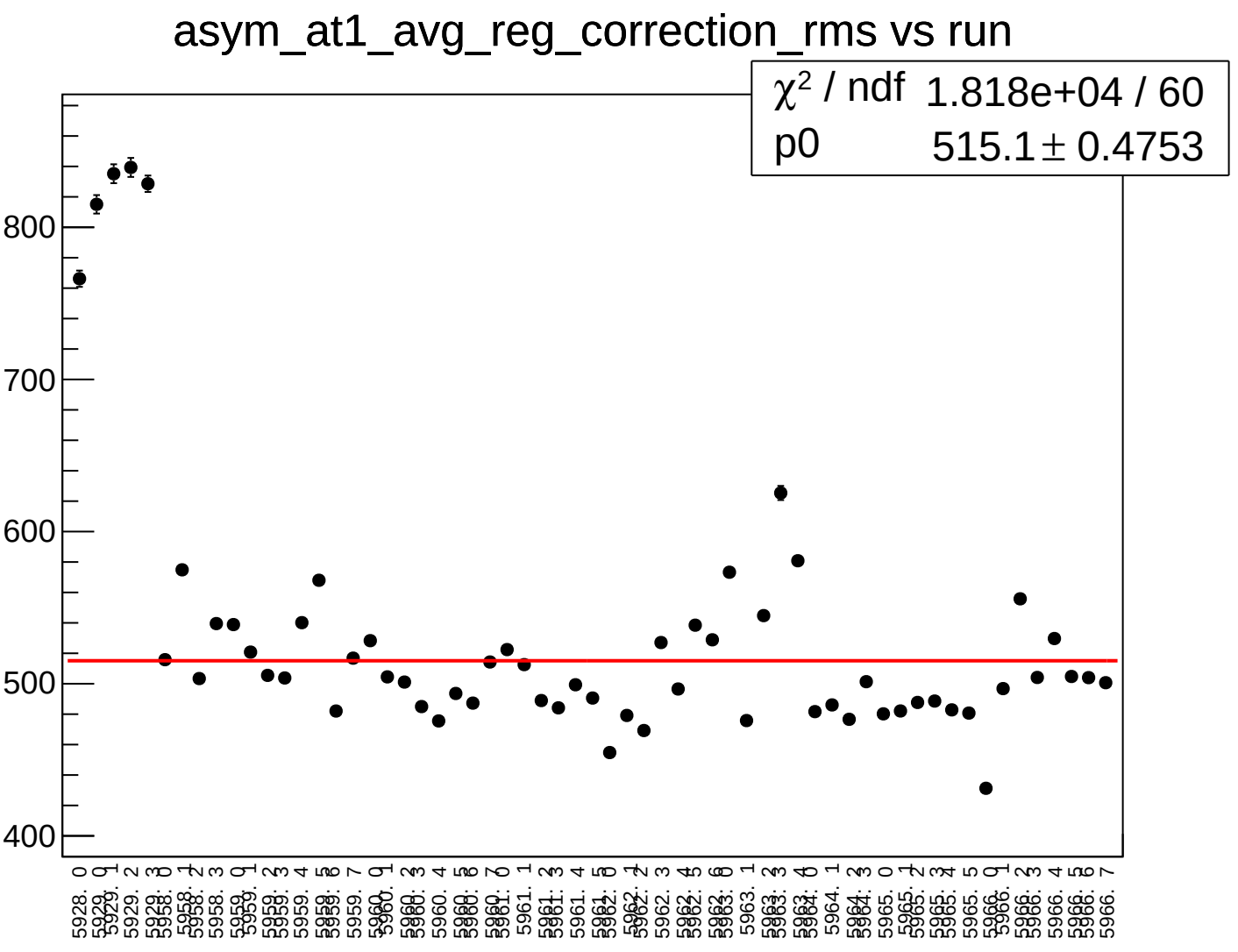

reg_asym_at1_avg_mean vs run
χ² / ndf 39.93 / 60
p0 −2441 ± 2390
pull
Entries 61
Mean 63.97
Std Dev 43.29

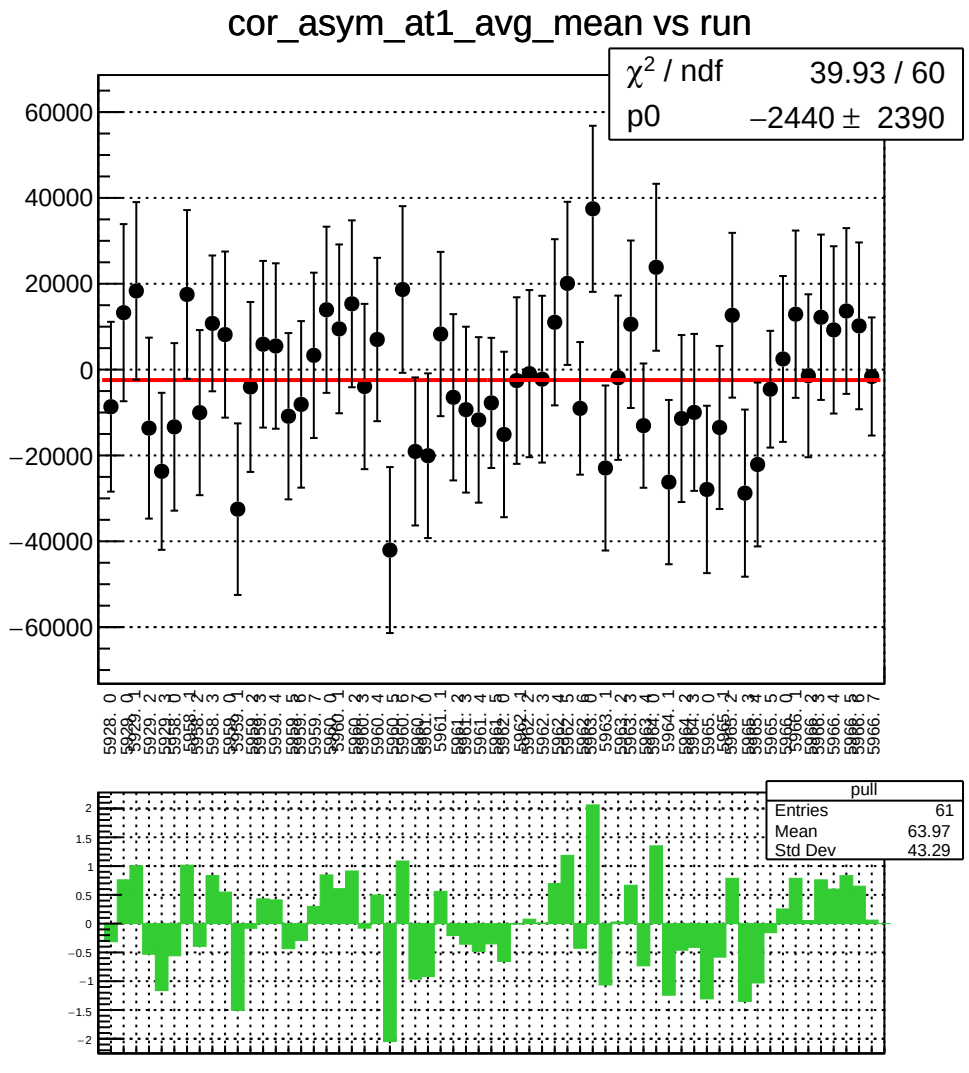

pull1D
Entries 61
Mean 0.009358
Std Dev 0.809

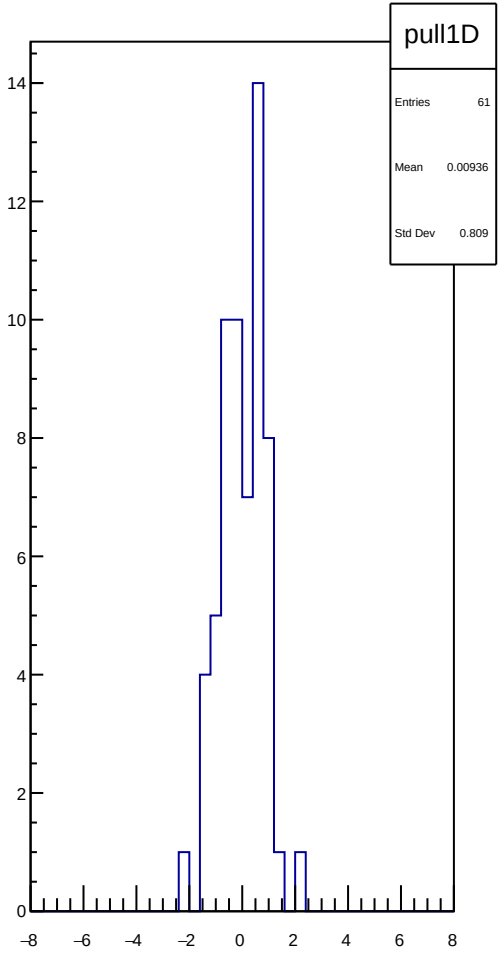

reg_asym_at1_avg_rms vs run
χ² / ndf 604.3 / 60
p0 1845 ± 1.69
2000
1950
1900
1850
1800

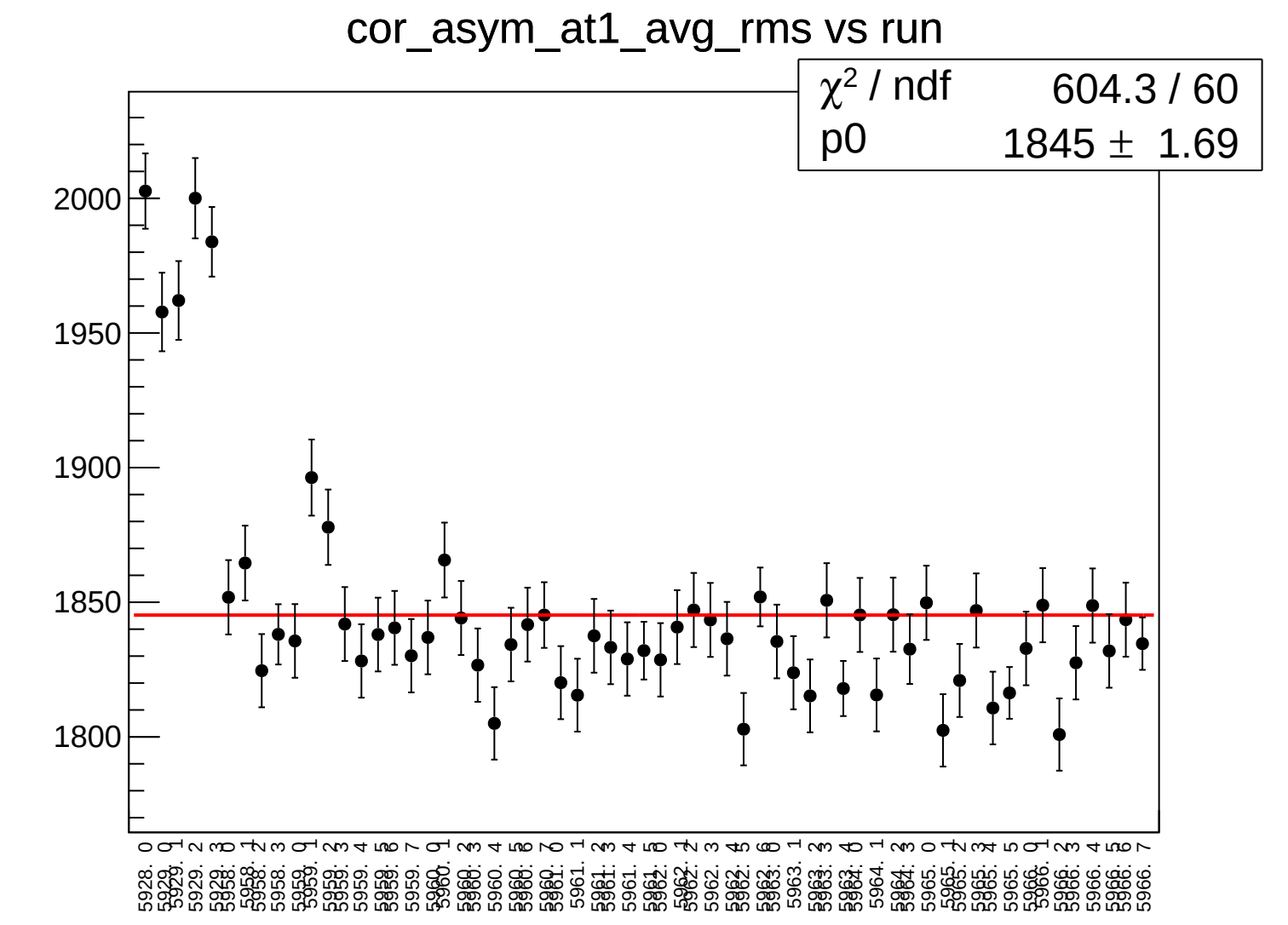

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 67.7 / 60
p0 −382.7 ± 672.2
pull
Entries 61
Mean −177.9
Std Dev 0

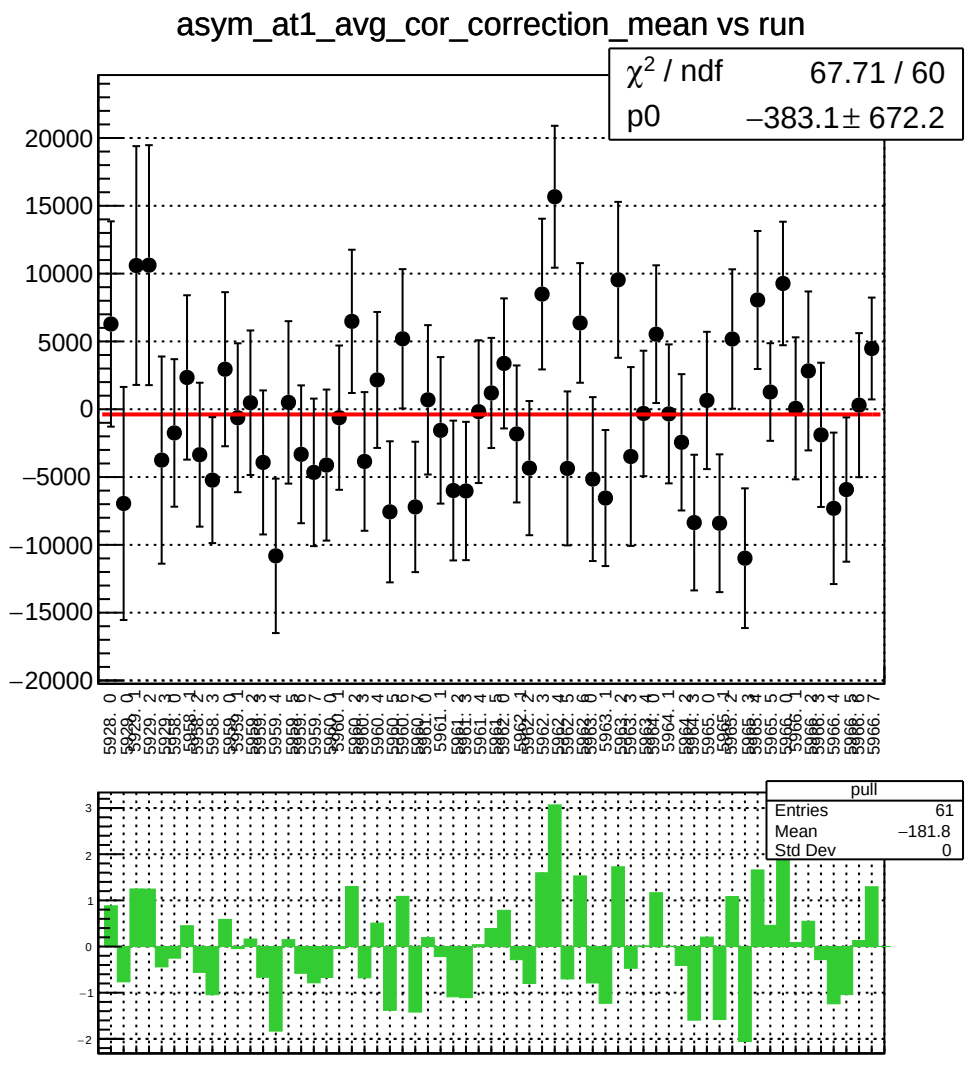

pull1D
Entries 61
Mean −0.00562
Std Dev 1.053

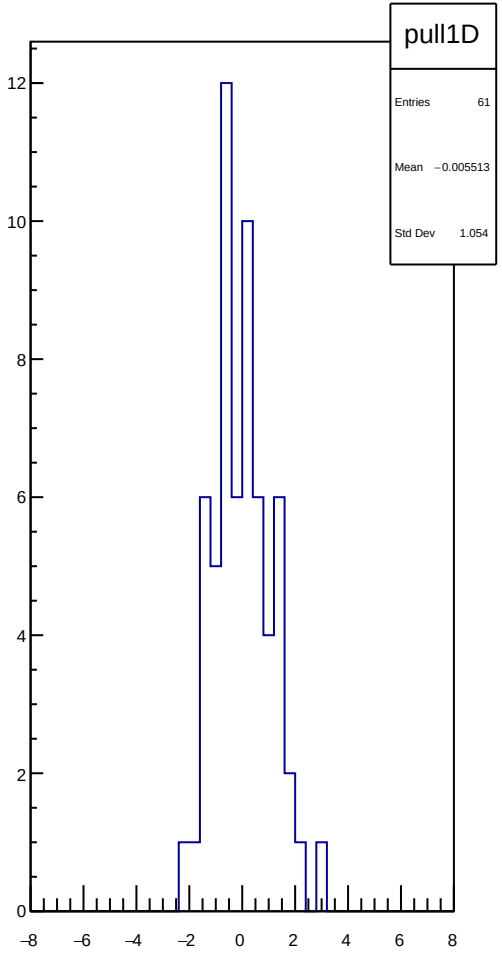

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 1.818e+04 / 60
p0 515.1 ± 0.4753
800
700
600
500
400

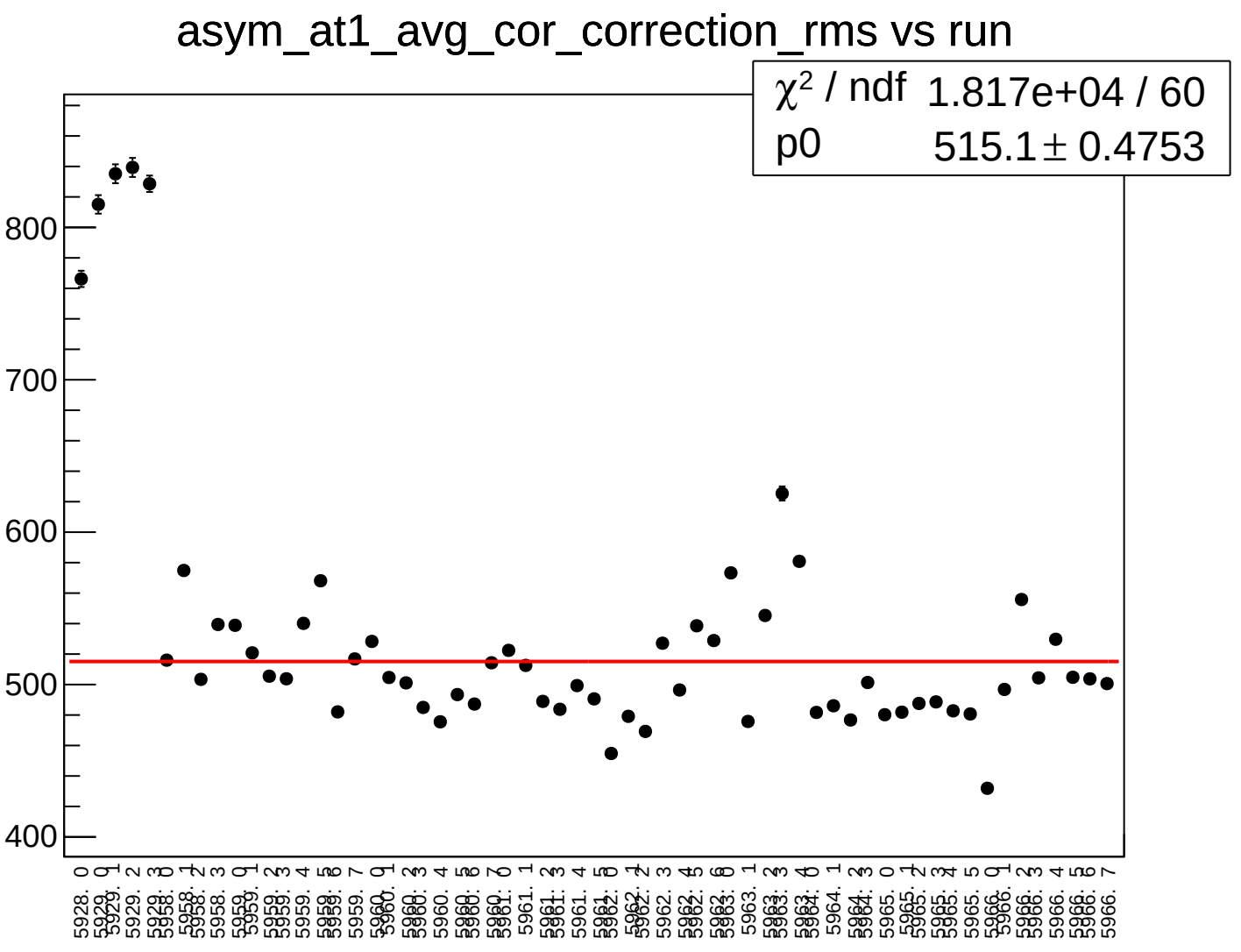

cor_asym_at1_avg_mean vs run
χ² / ndf 39.93 / 60
p0 −2440 ± 2390
pull
Entries 61
Mean 63.97
Std Dev 43.29

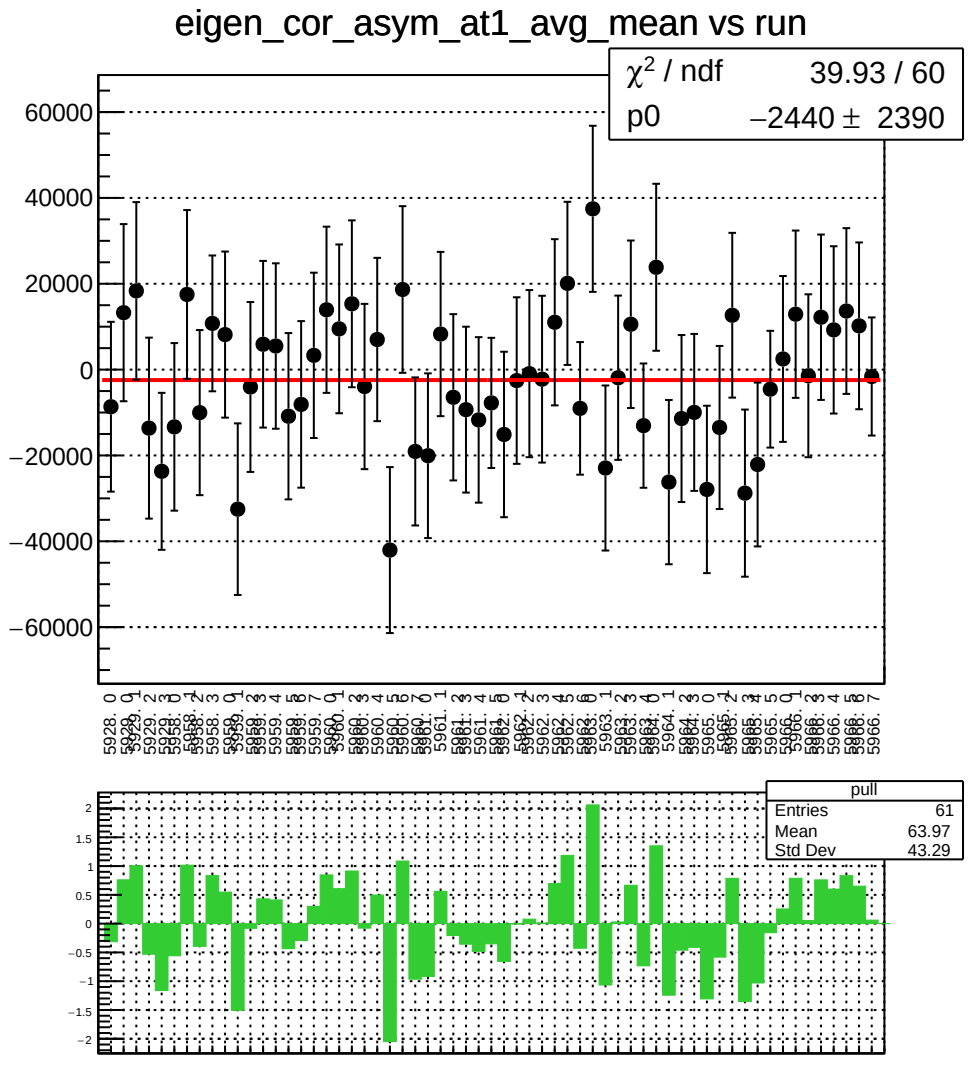

pull1D
Entries 61
Mean 0.00936
Std Dev 0.809

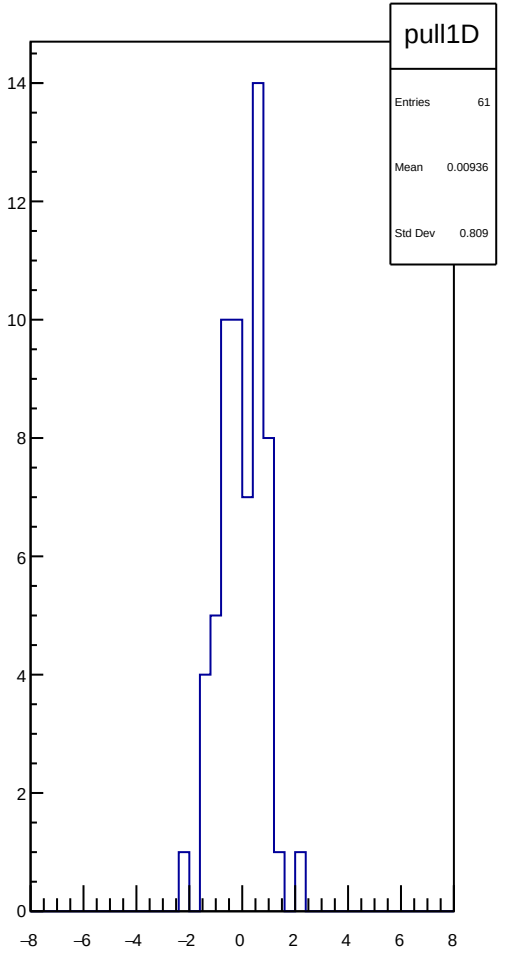

cor_asym_at1_avg_rms vs run
χ² / ndf 604.3 / 60
p0 1845 ± 1.69
2000
1950
1900
1850
1800

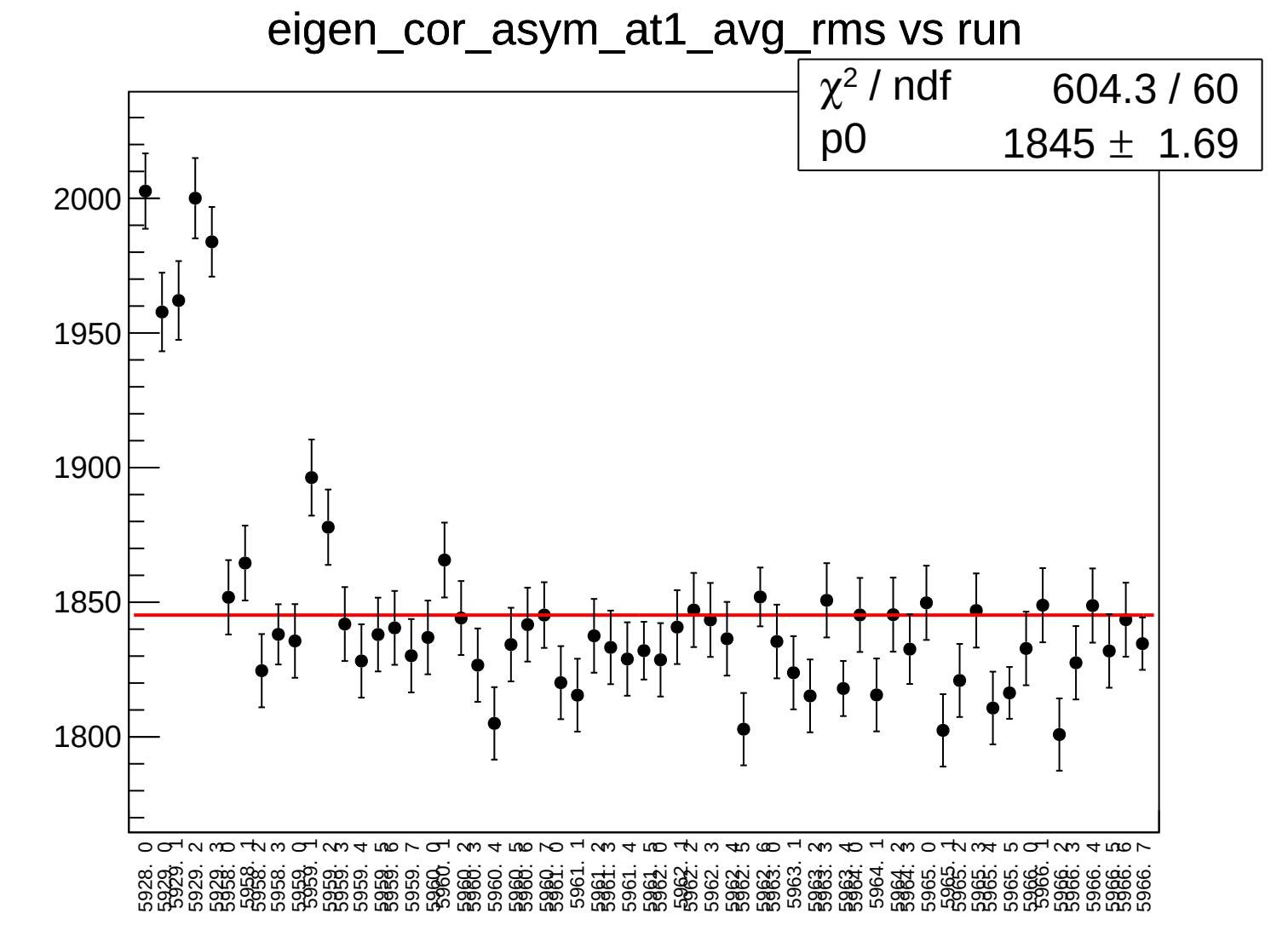

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 67.71 / 60
p0 −383.1± 672.2
pull
Entries 61
Mean −181.8
Std Dev 0

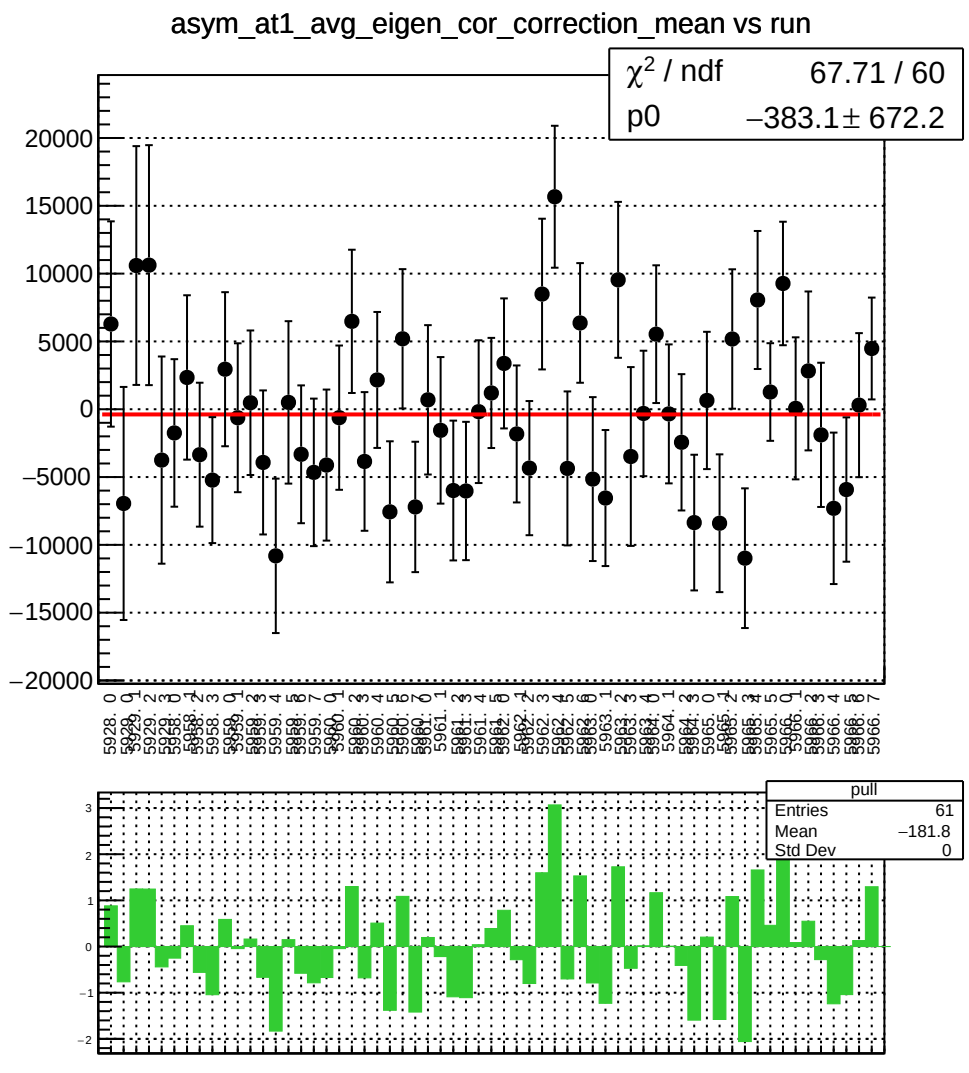

pull1D
Entries 61
Mean −0.005513
Std Dev 1.054

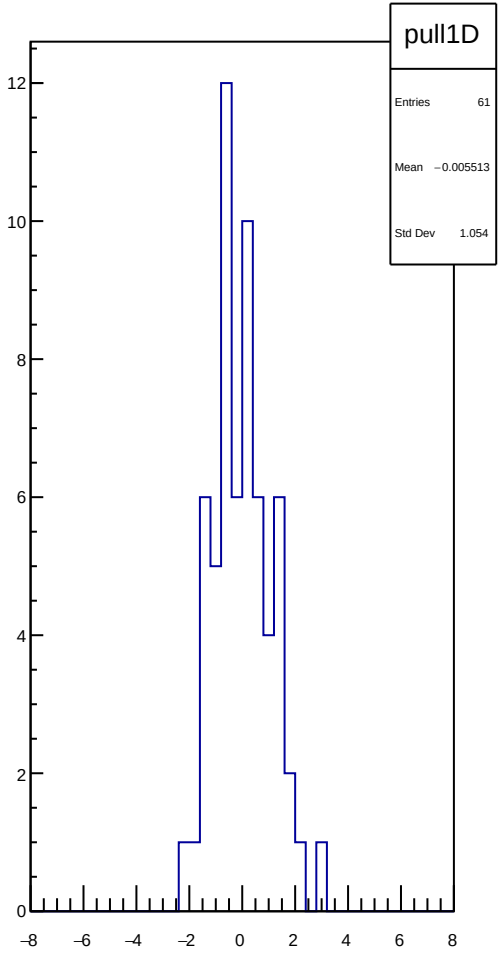

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 1.817e+04 / 60
p0 515.1 ± 0.4753
800
700
600
500
400

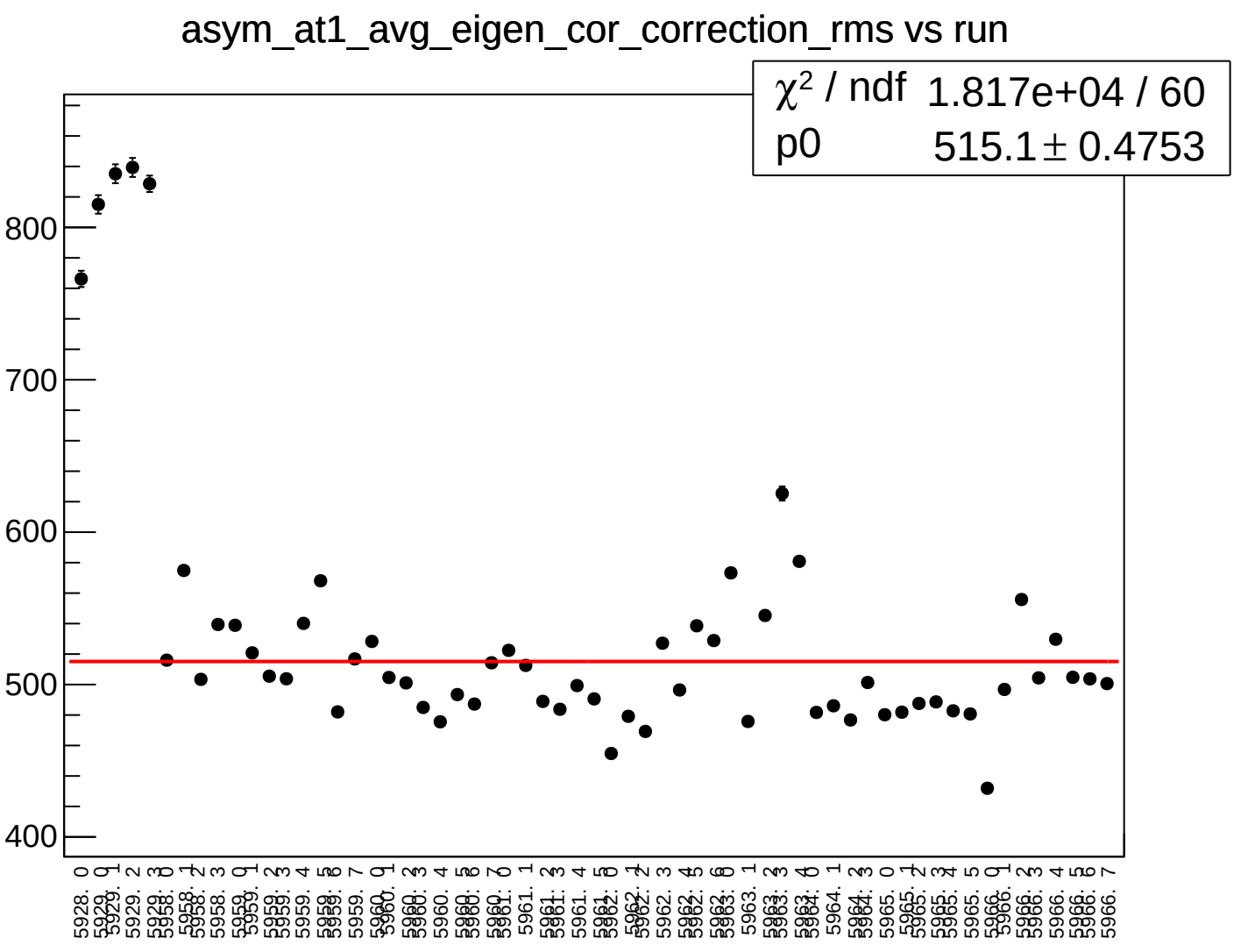

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 39.93 / 60
p0 −2440 ± 2390
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 63.97
Std Dev 43.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

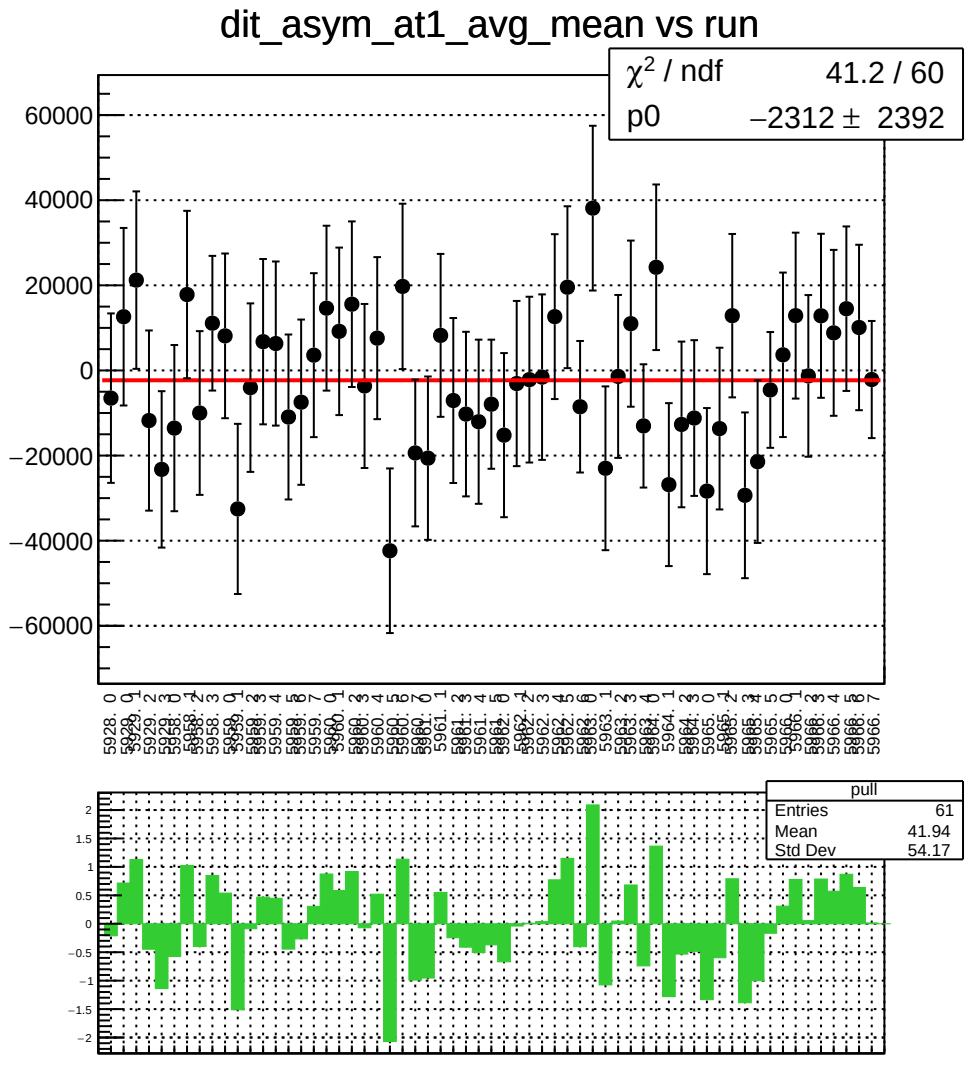

pull1D
Entries 61
Mean 0.00936
Std Dev 0.809
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

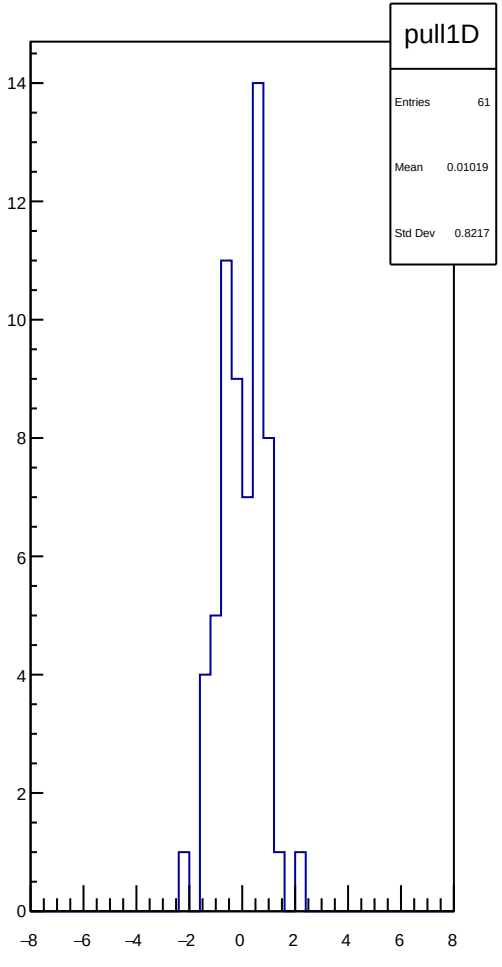

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 604.3 / 60
p0 1845 ± 1.69
2000
1950
1900
1850
1800

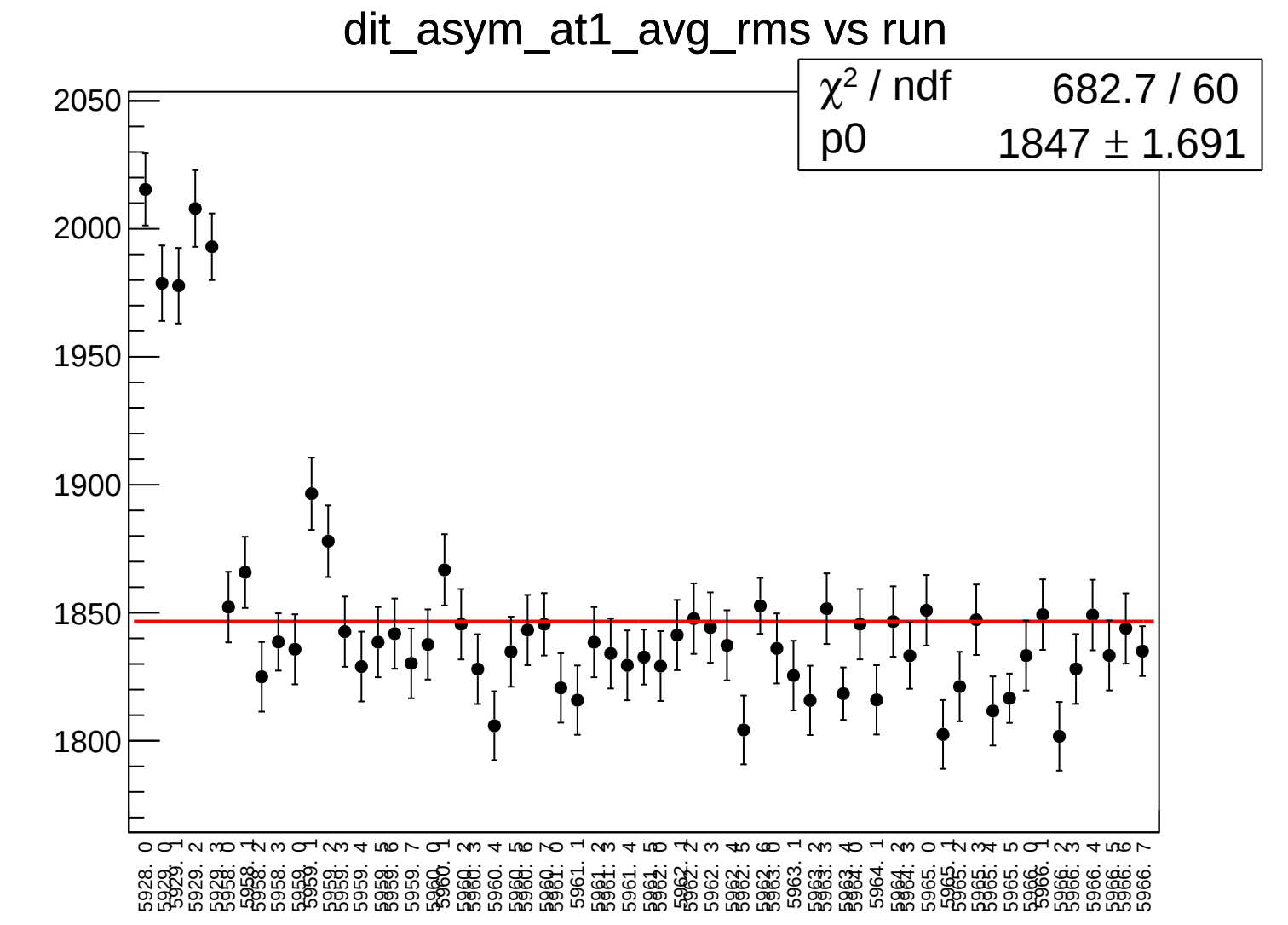

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.71 / 60
p0 −383.1± 672.2
pull
Entries 61
Mean −181.8
Std Dev 0

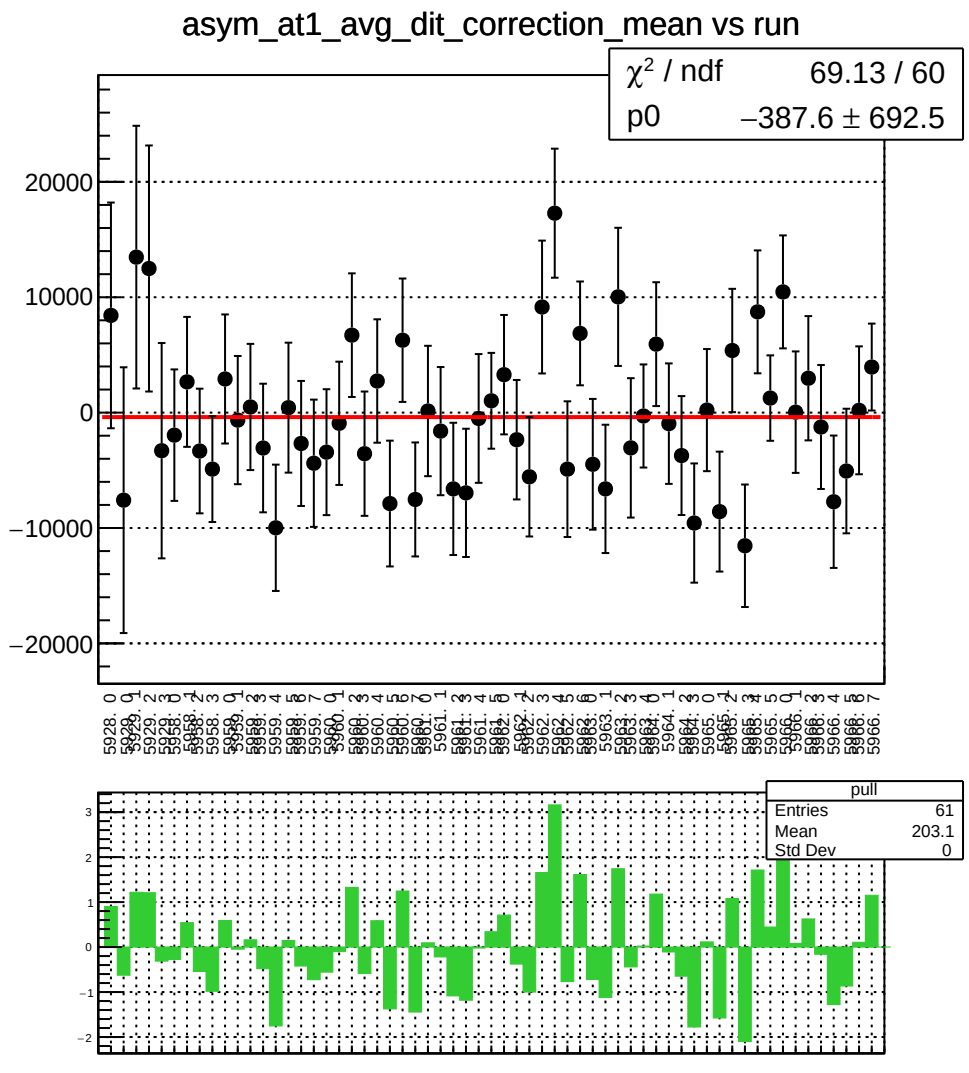

pull1D
Entries 61
Mean −0.005513
Std Dev 1.054

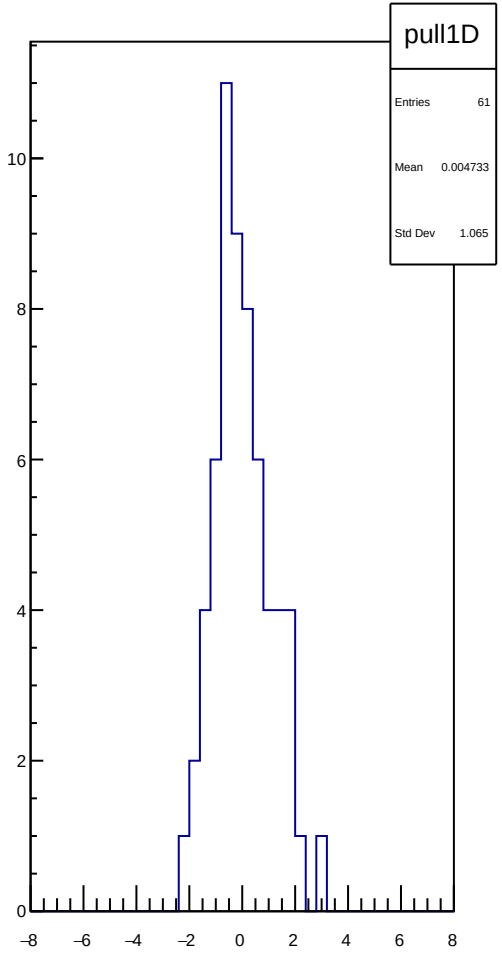

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.817e+04 / 60
p0 515.1 ± 0.4753
800
700
600
500
400

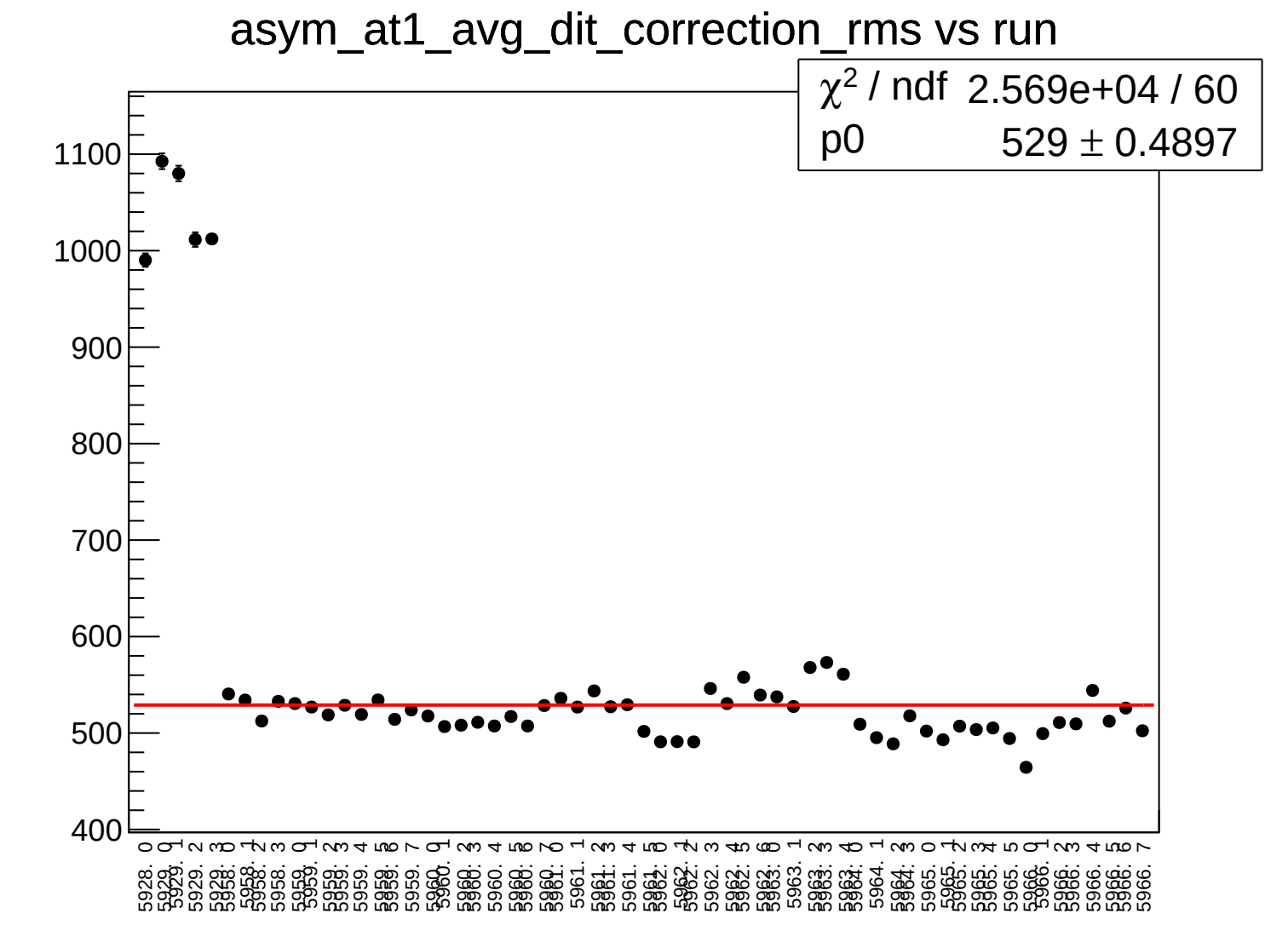

dit_asym_at1_avg_mean vs run
χ² / ndf 41.2 / 60
p0 −2312 ± 2392
pull
Entries 61
Mean 41.94
Std Dev 54.17

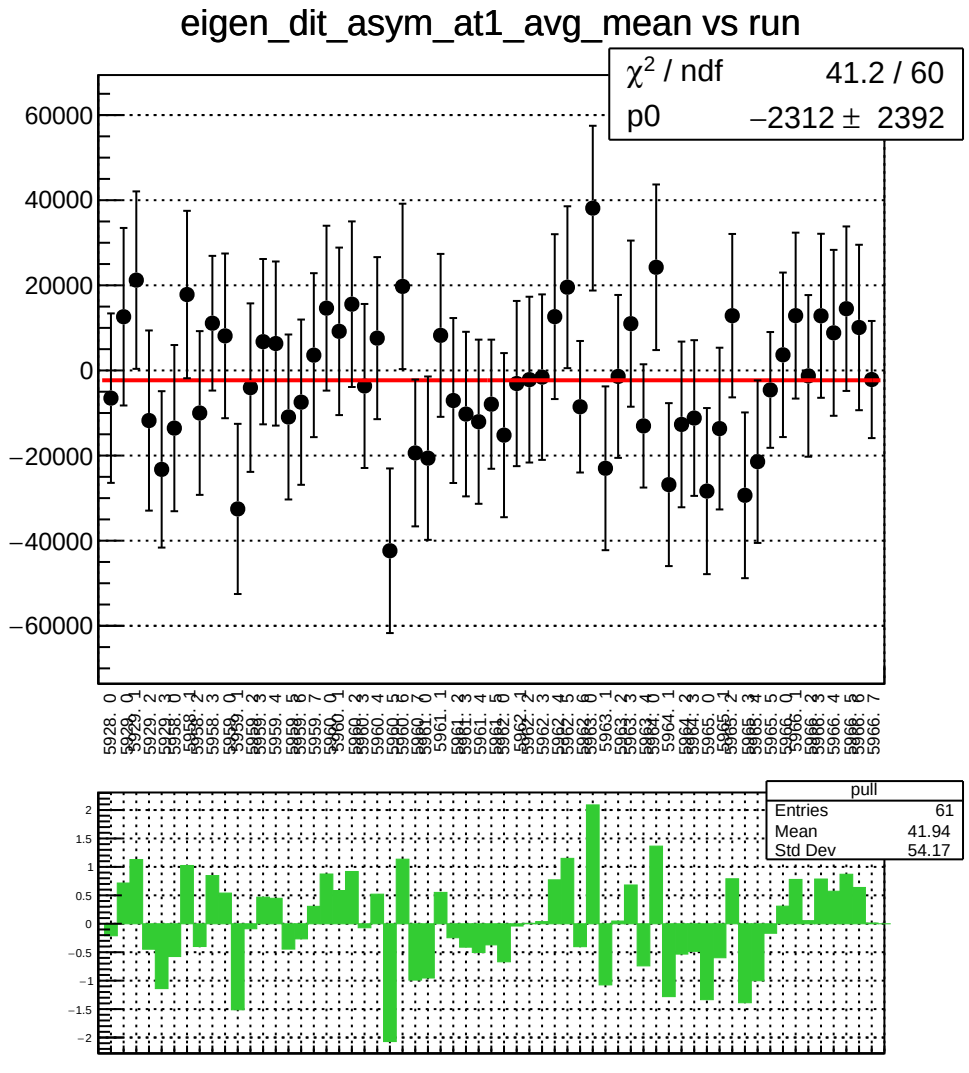

pull1D
Entries 61
Mean 0.01019
Std Dev 0.8217

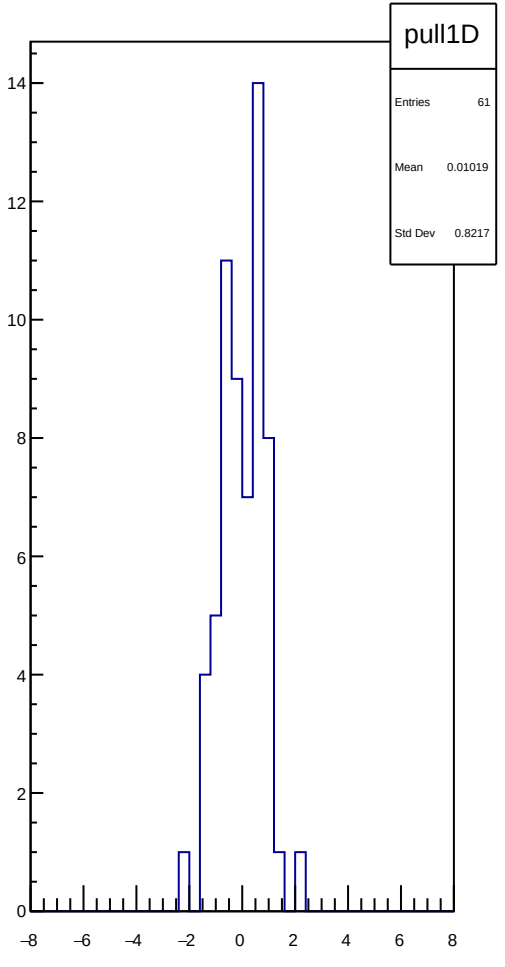

dit_asym_at1_avg_rms vs run
χ² / ndf 682.7 / 60
p0 1847 ± 1.691
2050
2000
1950
1900
1850
1800

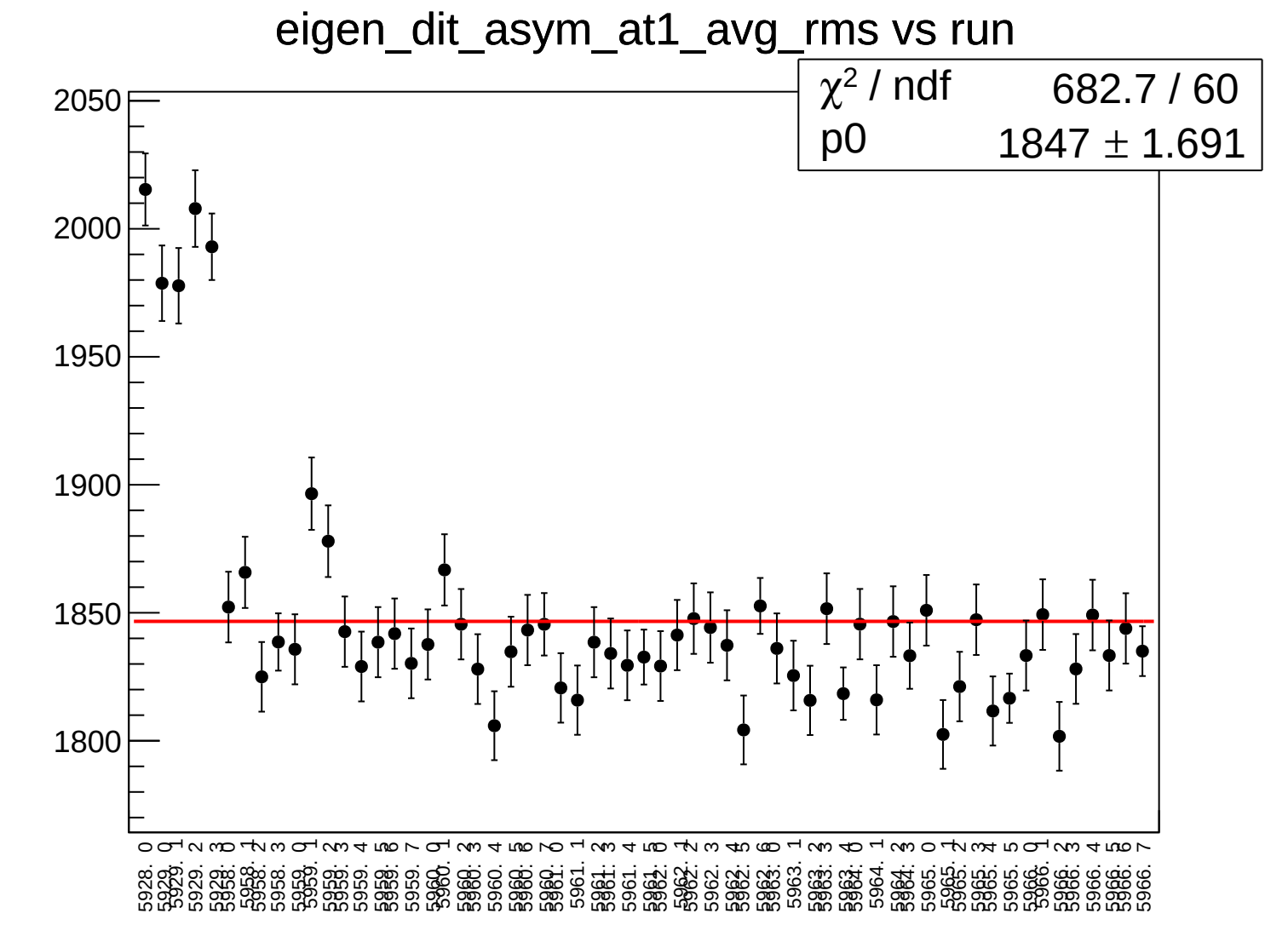

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 69.13 / 60
p0 −387.6 ± 692.5
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 203.1
Std Dev 0
3
2
1
0
−1
−2

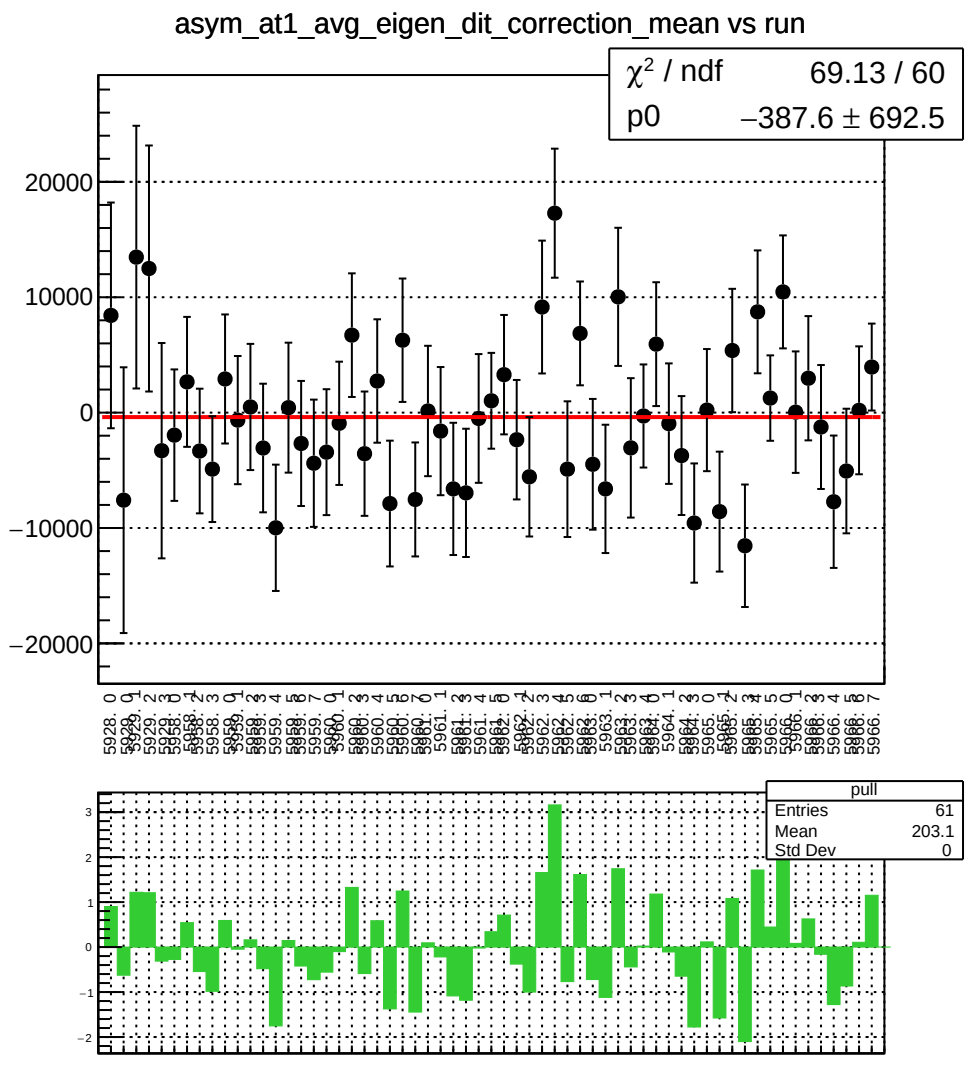

pull1D
Entries 61
Mean 0.004733
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

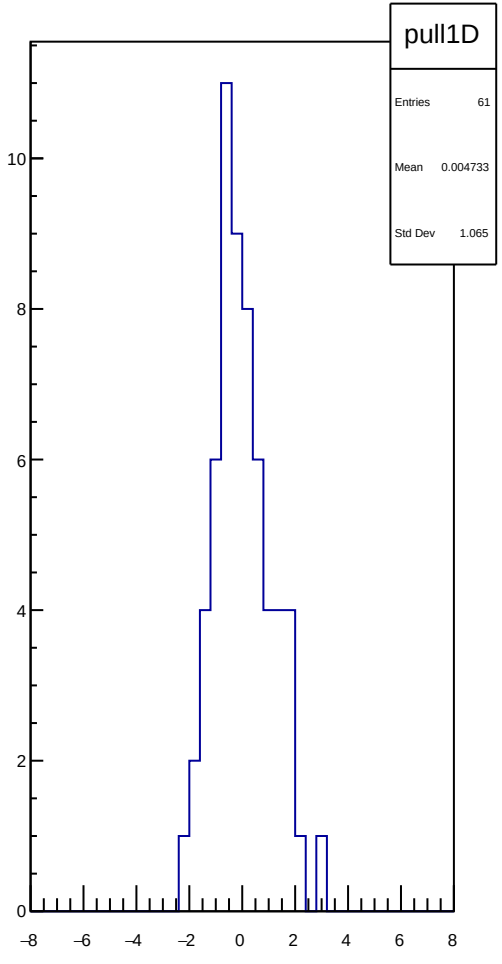

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.569e+04 / 60
p0 529 ± 0.4897
1100
1000
900
800
700
600
500
400

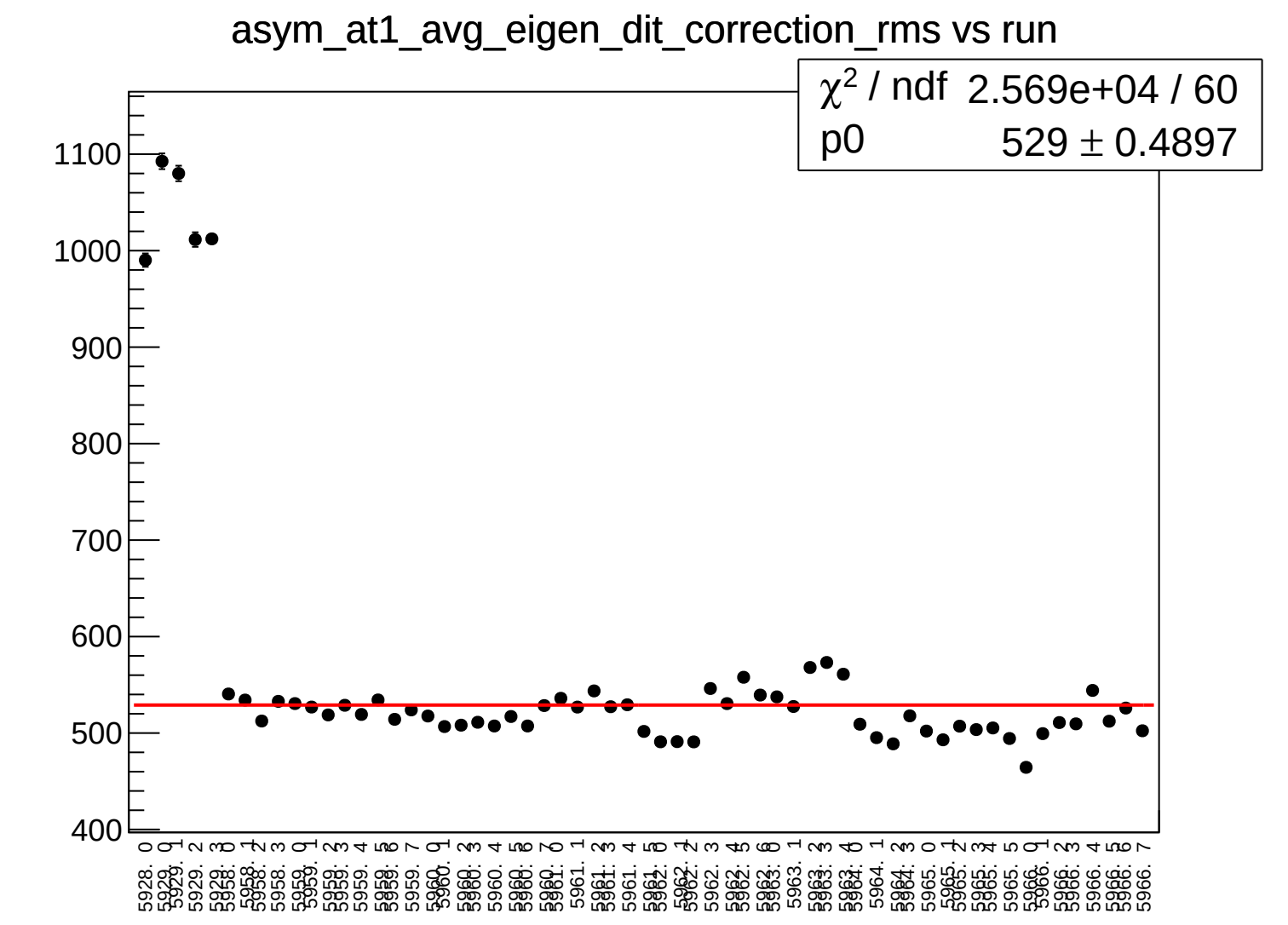

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 41.2 / 60
p0 −2312 ± 2392
pull
Entries 61
Mean 41.94
Std Dev 54.17

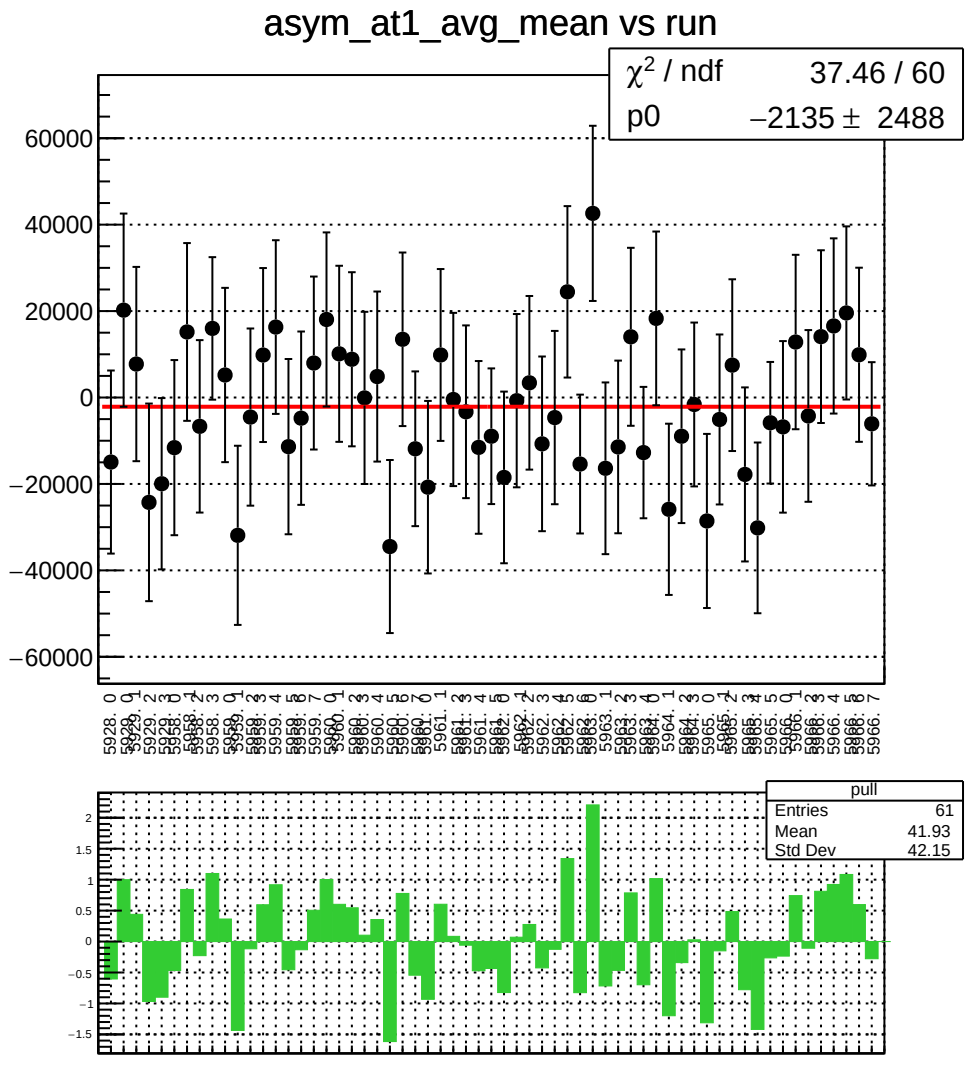

pull1D
Entries 61
Mean 0.01019
Std Dev 0.8217

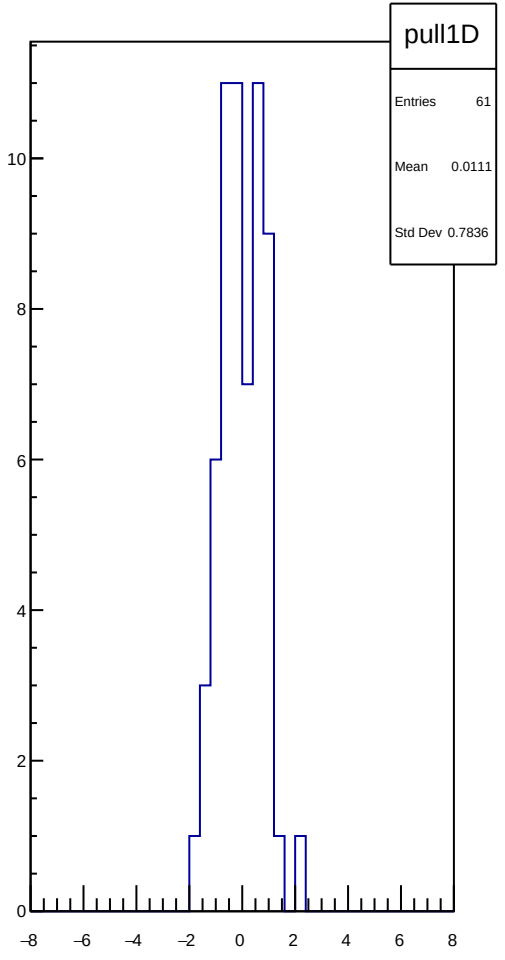

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 682.7 / 60
p0 1847 ± 1.691
2050
2000
1950
1900
1850
1800

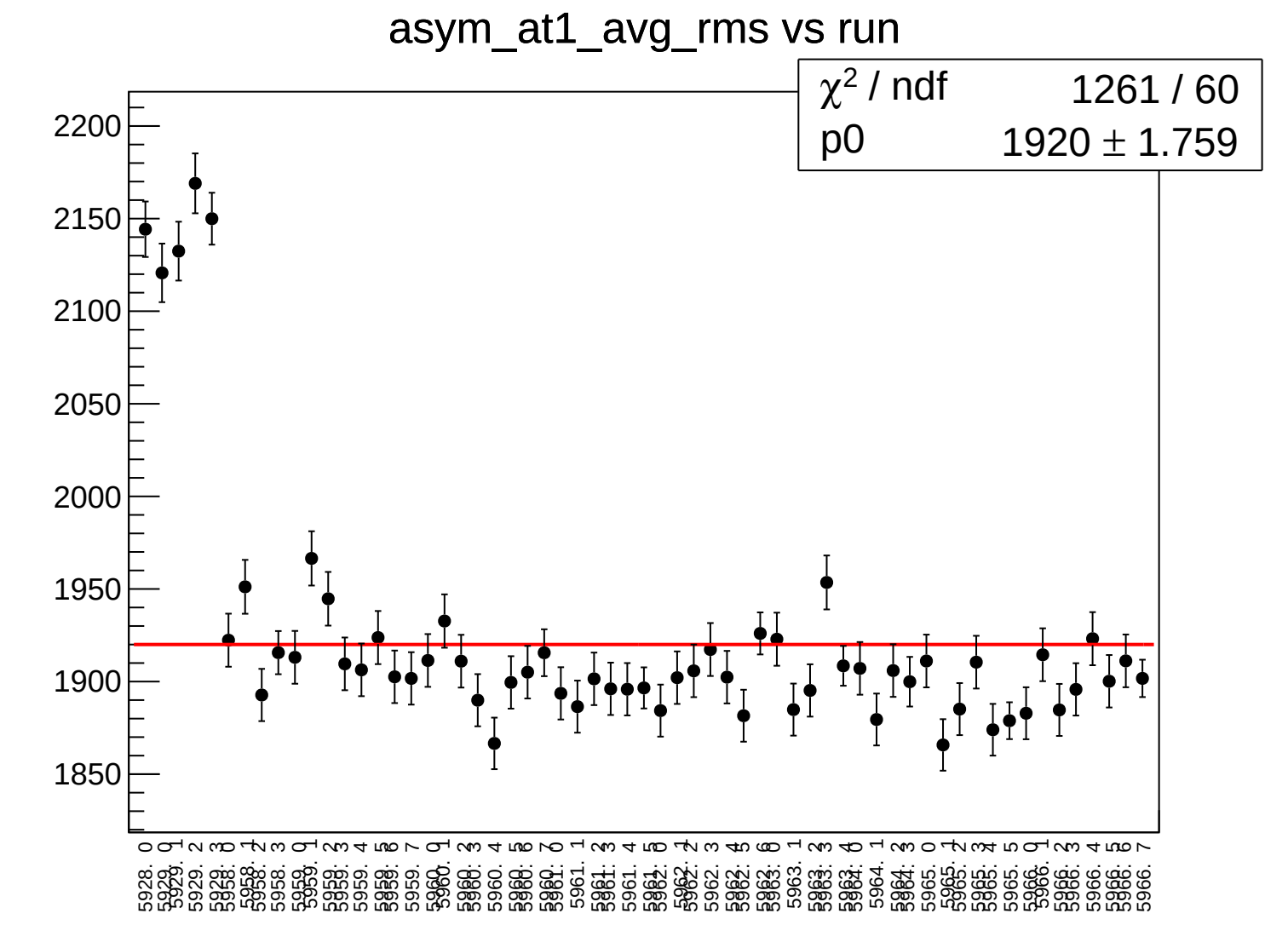

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.13 / 60
p0 −387.6 ± 692.5
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 203.1
Std Dev 0
3
2
1
0
−1
−2

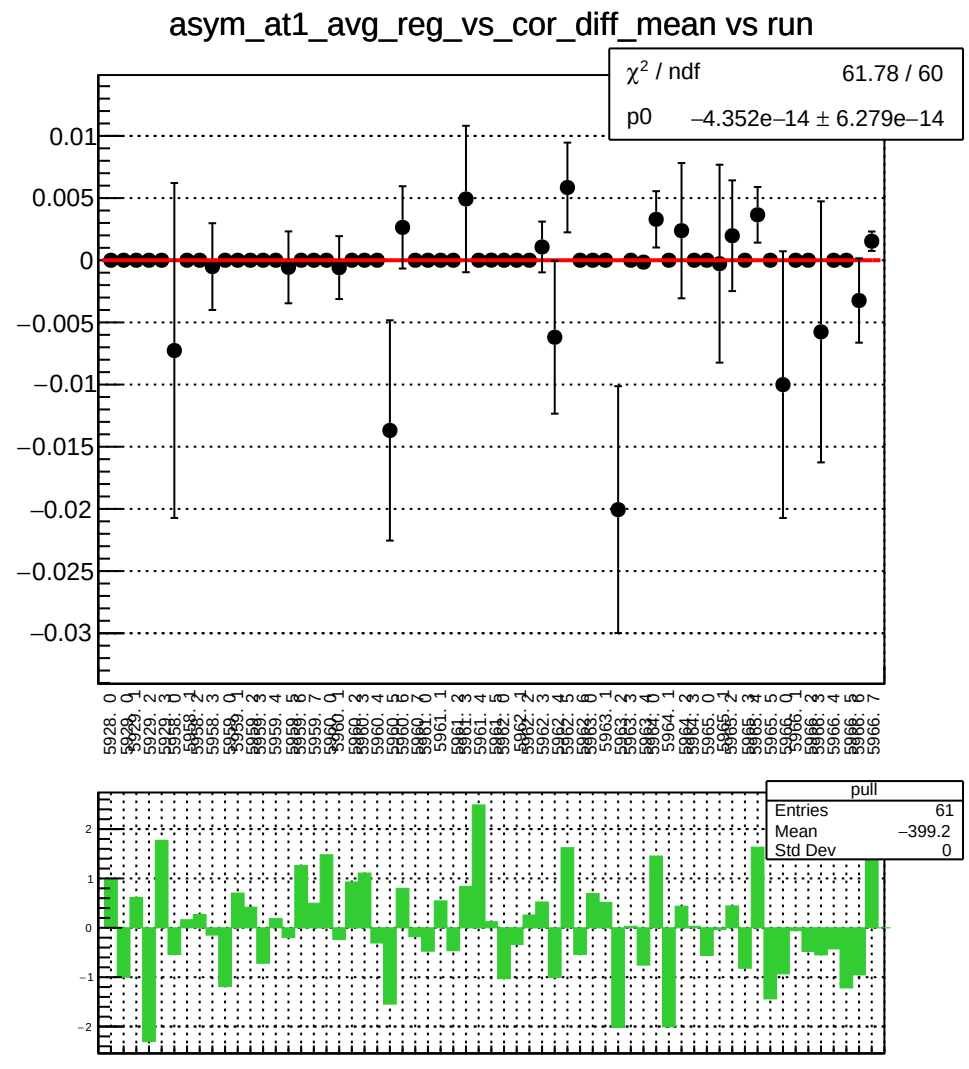

pull1D
Entries 61
Mean 0.004733
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

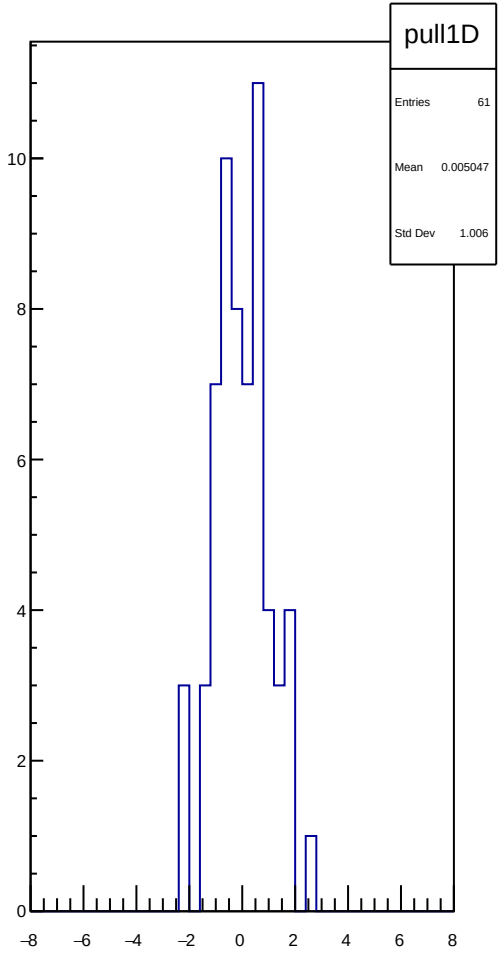

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.569e+04 / 60
p0 529 ± 0.4897
1100
1000
900
800
700
600
500
400

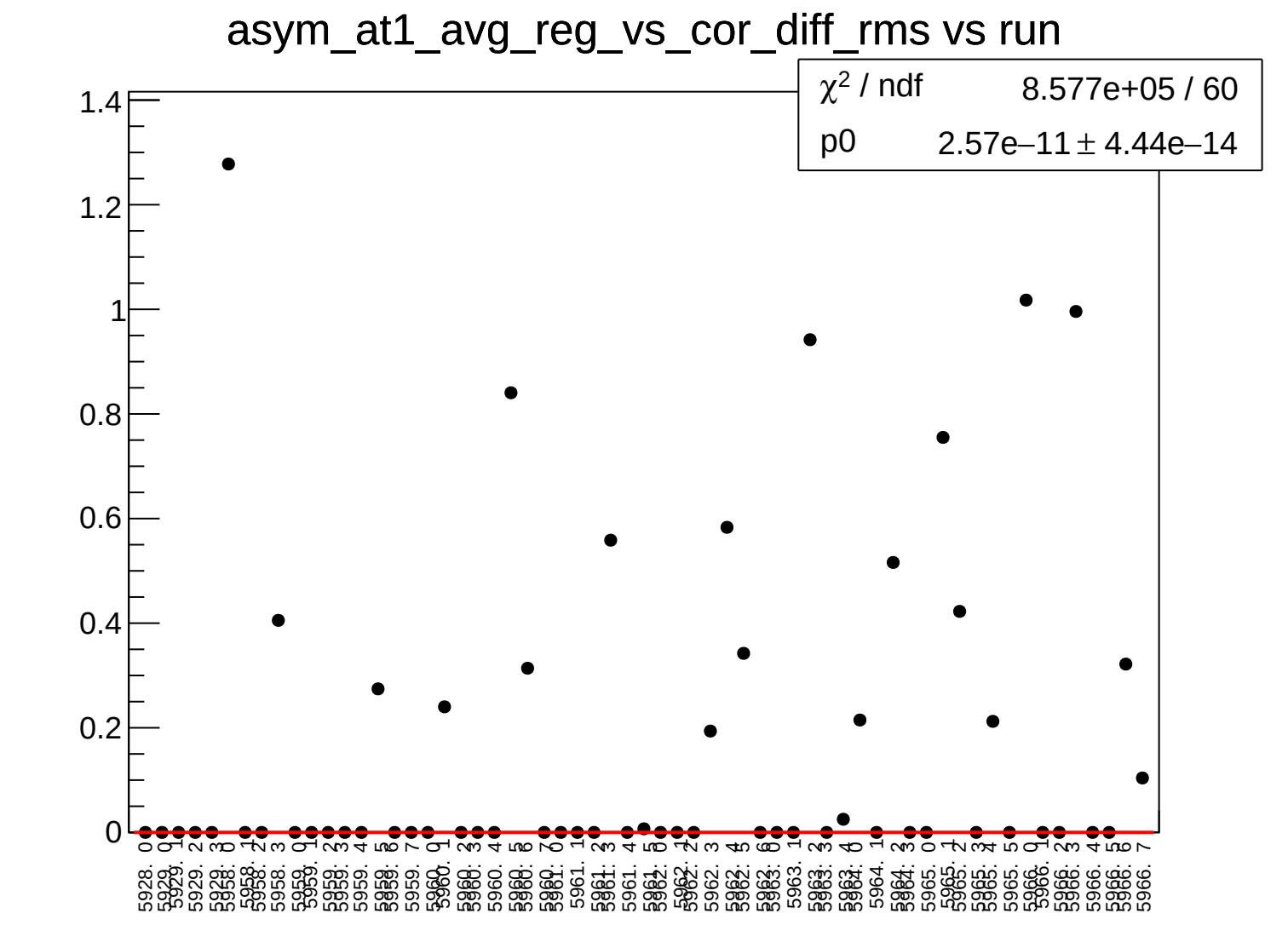

asym_at1_avg_mean vs run
χ² / ndf 37.46 / 60
p0 −2135 ± 2488
pull
Entries 61
Mean 41.93
Std Dev 42.15

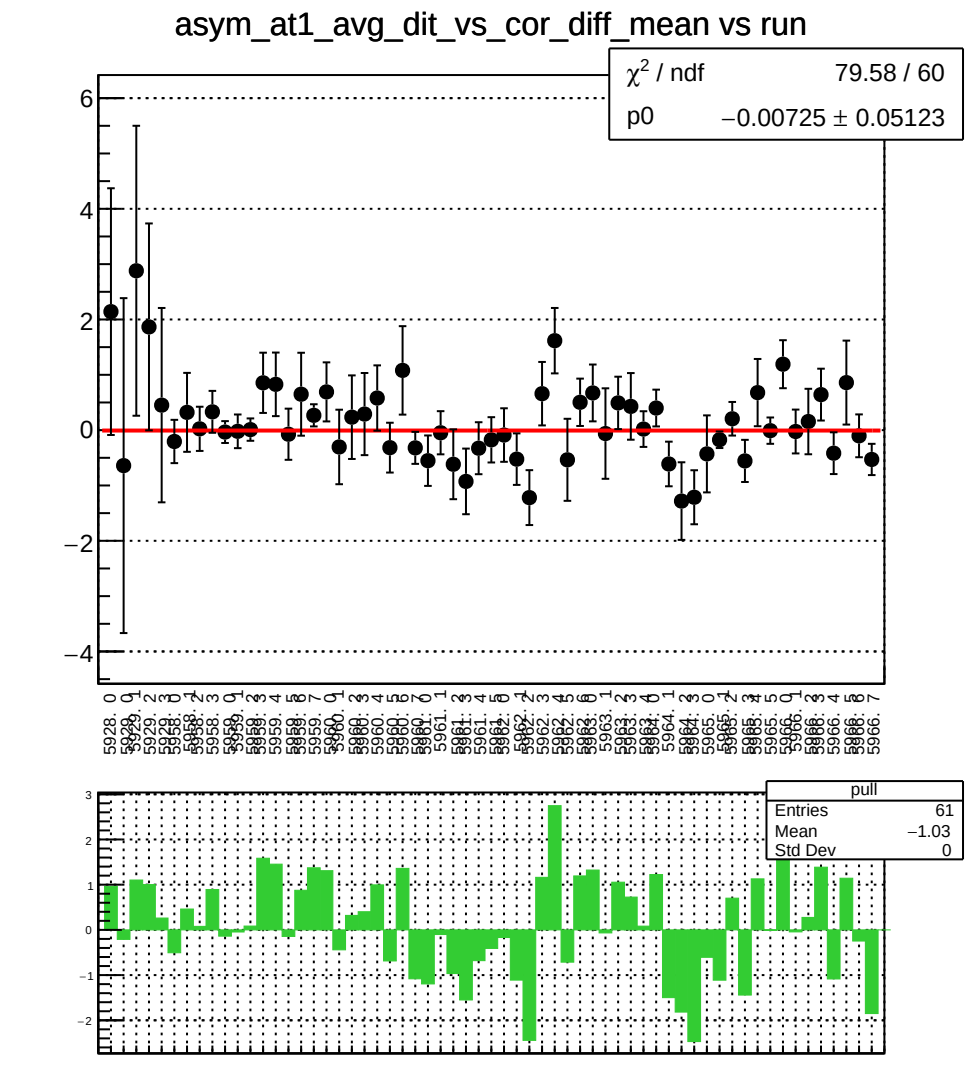

pull1D
Entries 61
Mean 0.0111
Std Dev 0.7836

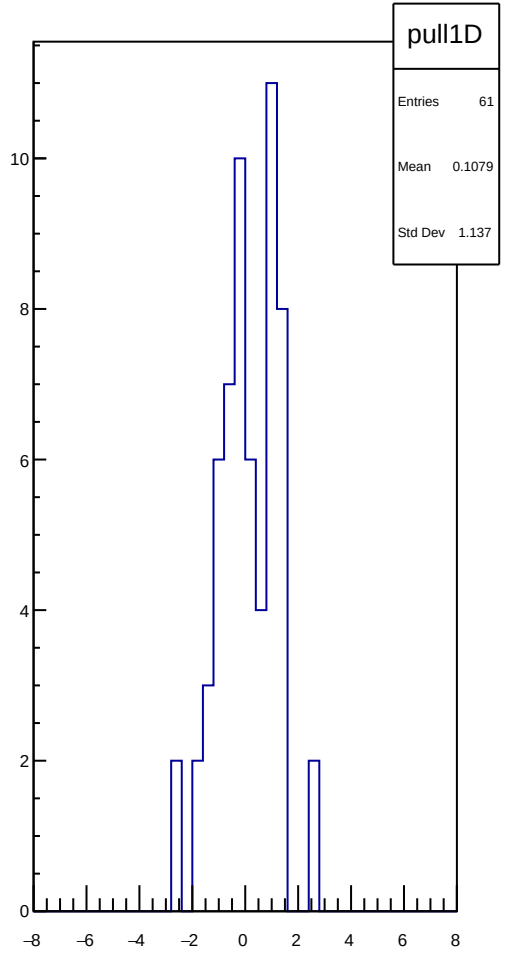

asym_at1_avg_rms vs run
χ^2 / ndf 1261 / 60
p0 1920 ± 1.759
2200
2150
2100
2050
2000
1950
1900
1850

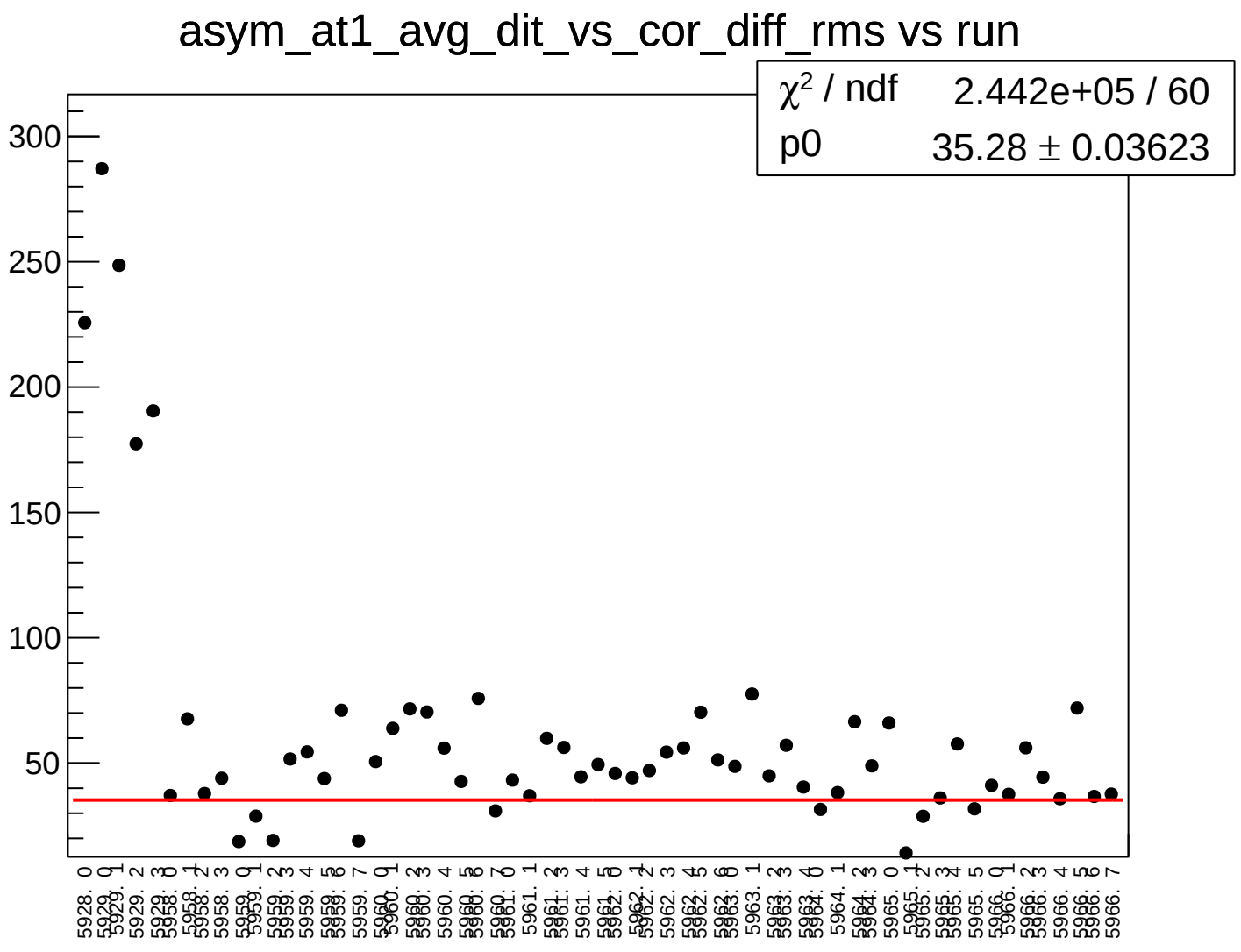

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.78 / 60
p0 −4.352e−14 ± 6.279e−14
pull
Entries 61
Mean −399.2
Std Dev 0

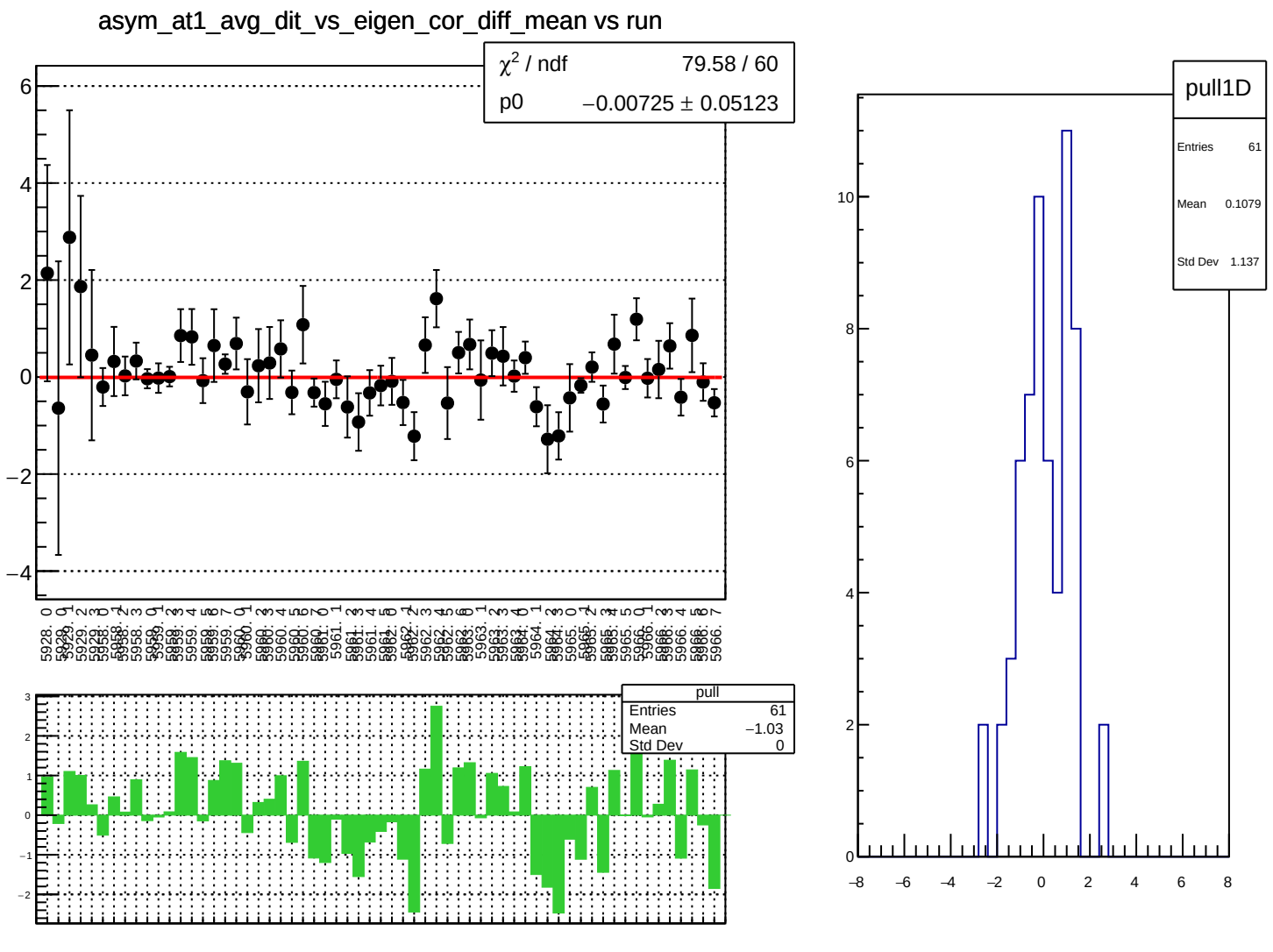

pull1D
Entries 61
Mean 0.005047
Std Dev 1.006

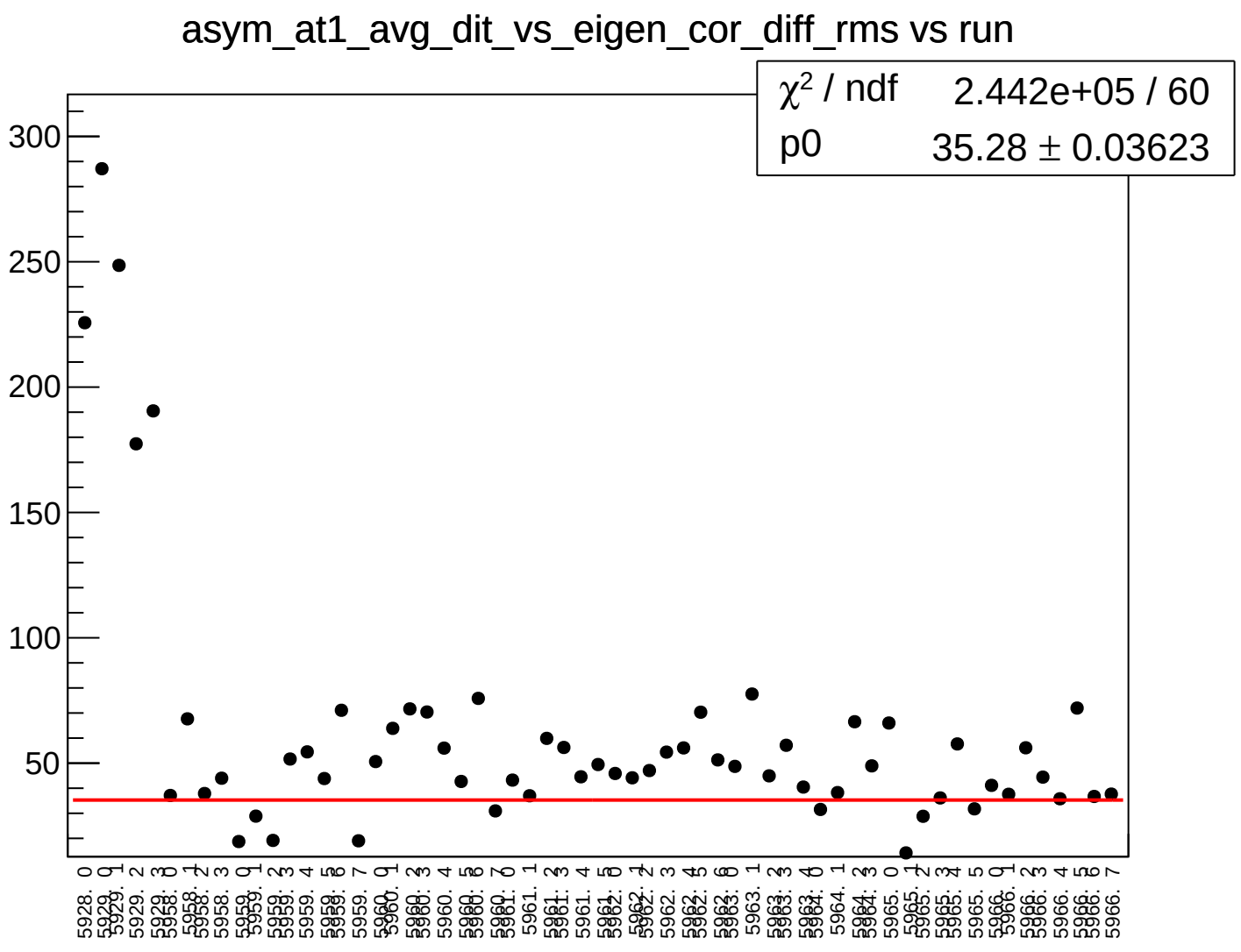

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.577e+05 / 60
p0 2.57e−11 ± 4.44e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

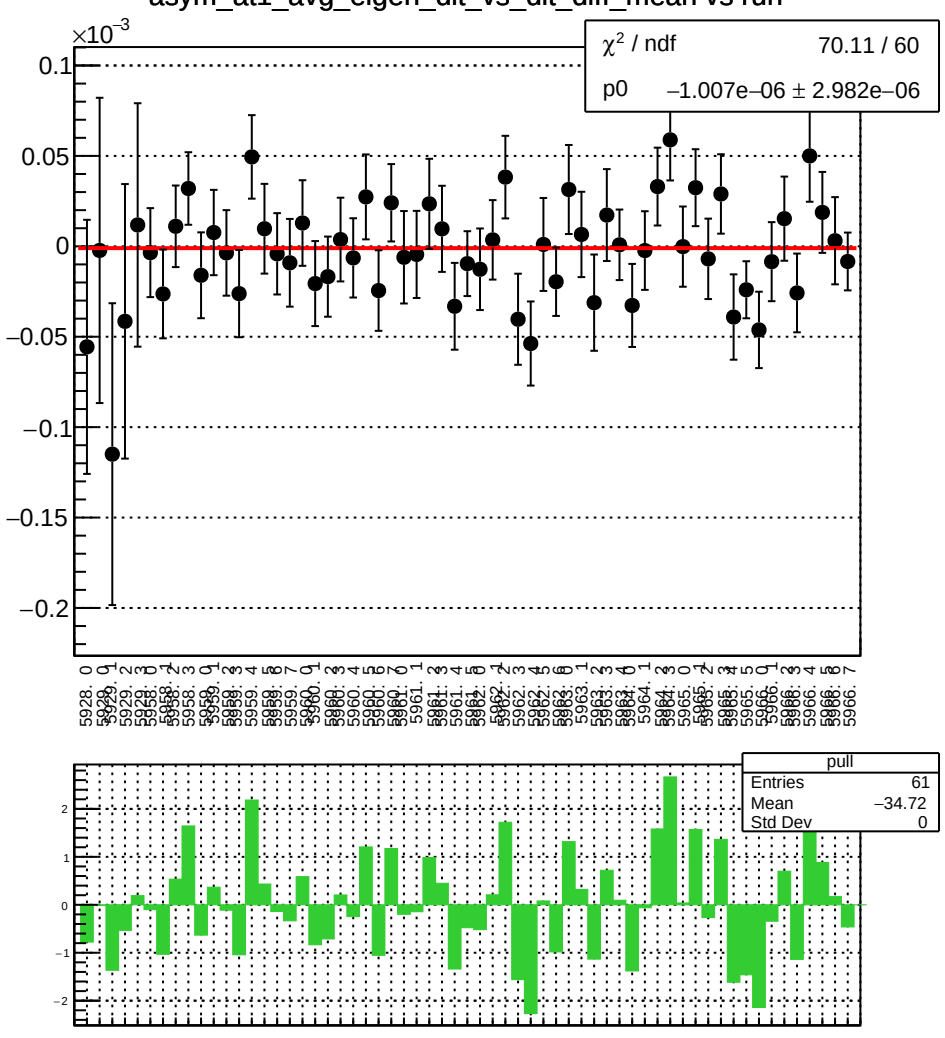

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 79.58 / 60
p0 −0.00725 ± 0.05123
pull
Entries 61
Mean −1.03
Std Dev 0

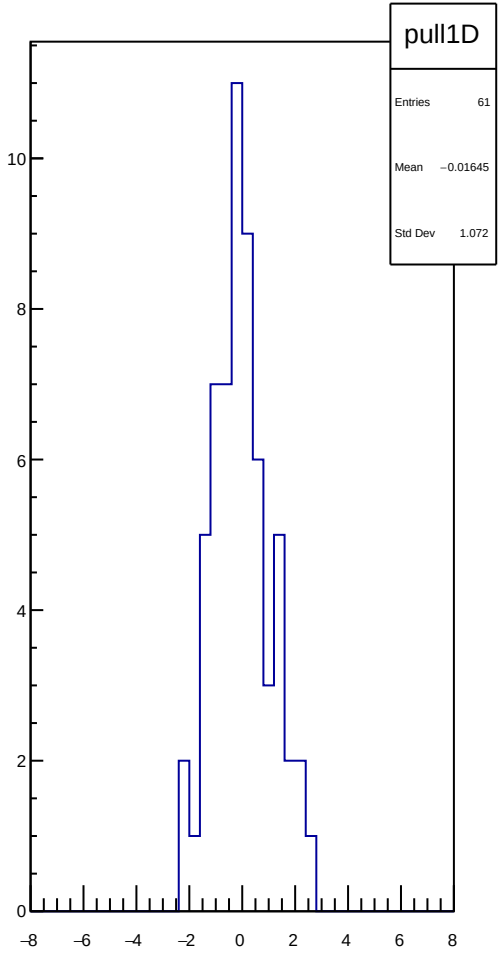

pull1D
Entries 61
Mean 0.1079
Std Dev 1.137

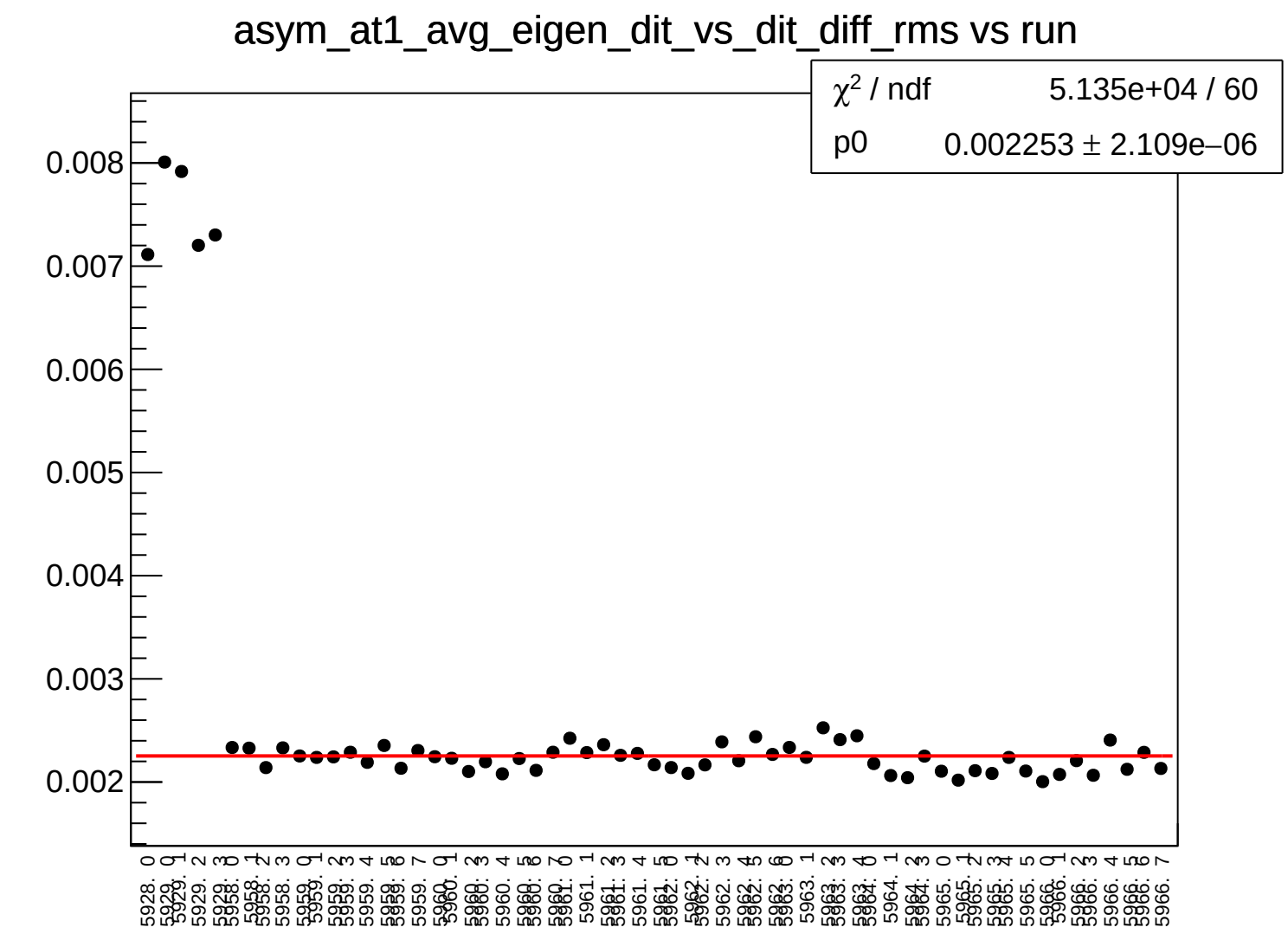

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 60
p0 35.28 ± 0.03623
300
250
200
150
100
50

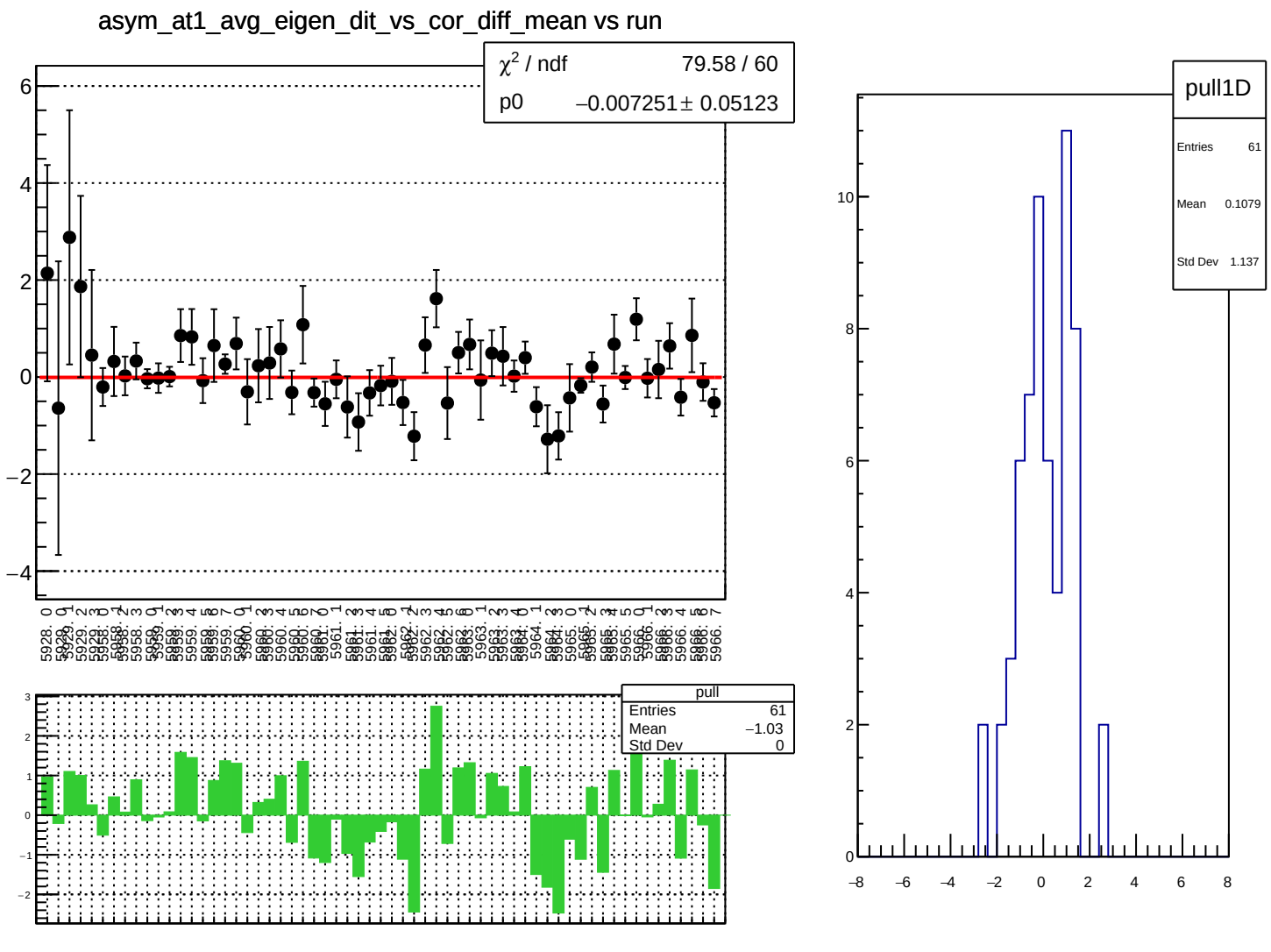

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.58 / 60
p0 −0.00725 ± 0.05123
pull
Entries 61
Mean −1.03
Std Dev 0
pull1D
Entries 61
Mean 0.1079
Std Dev 1.137

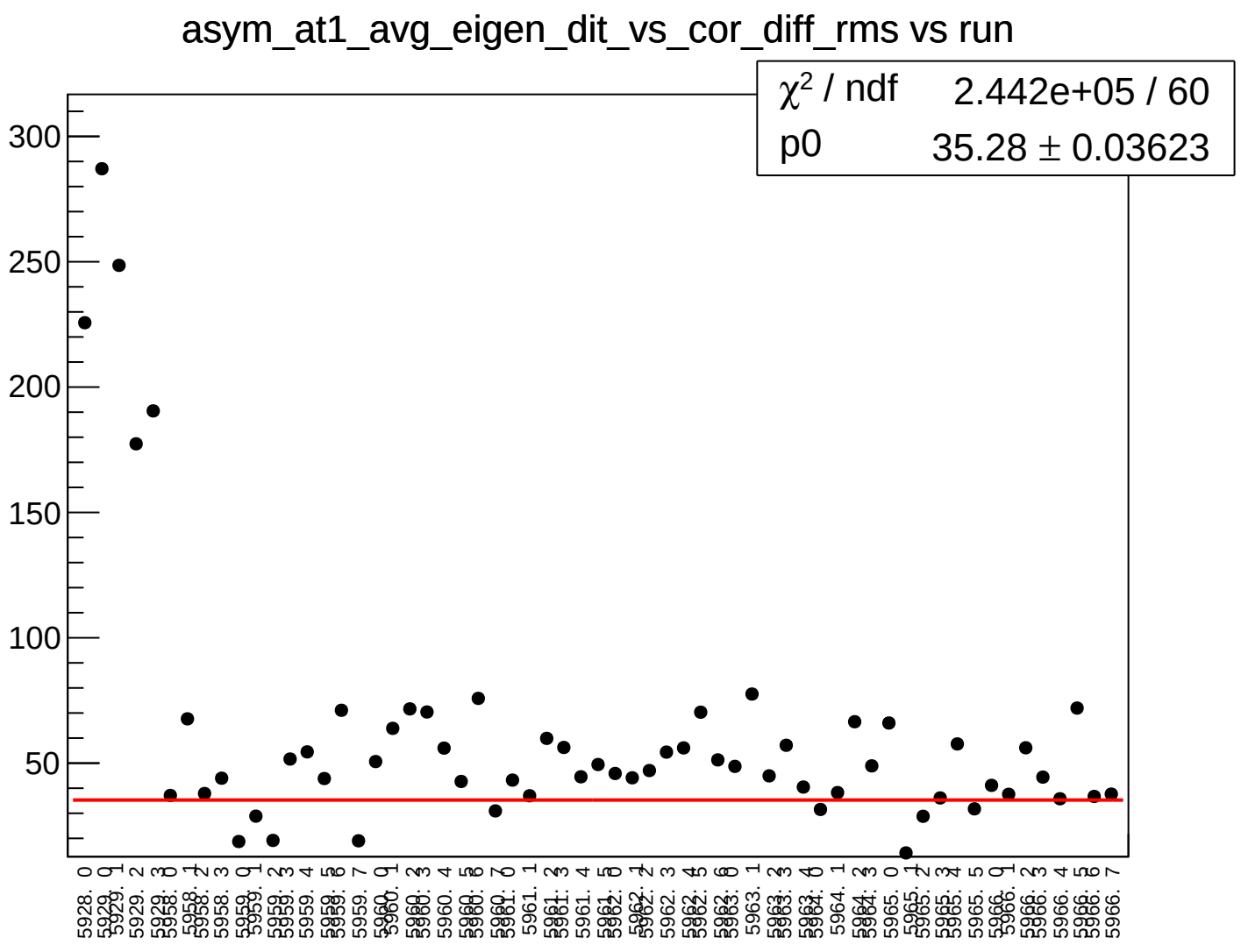

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 60
p0 35.28 ± 0.03623
300
250
200
150
100
50

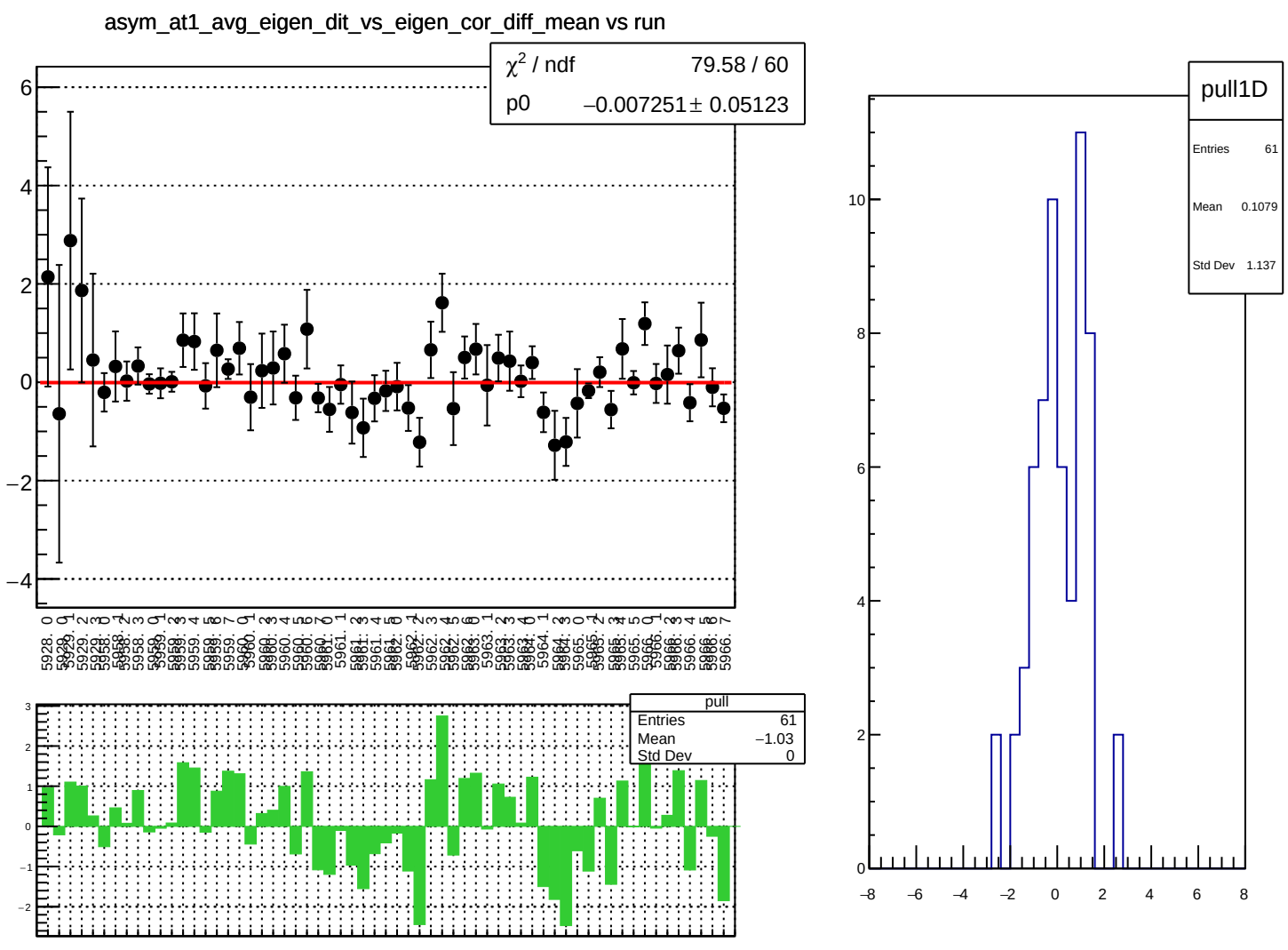

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.11 / 60
p0 −1.007e−06 ± 2.982e−06
pull
Entries 61
Mean −34.72
Std Dev 0

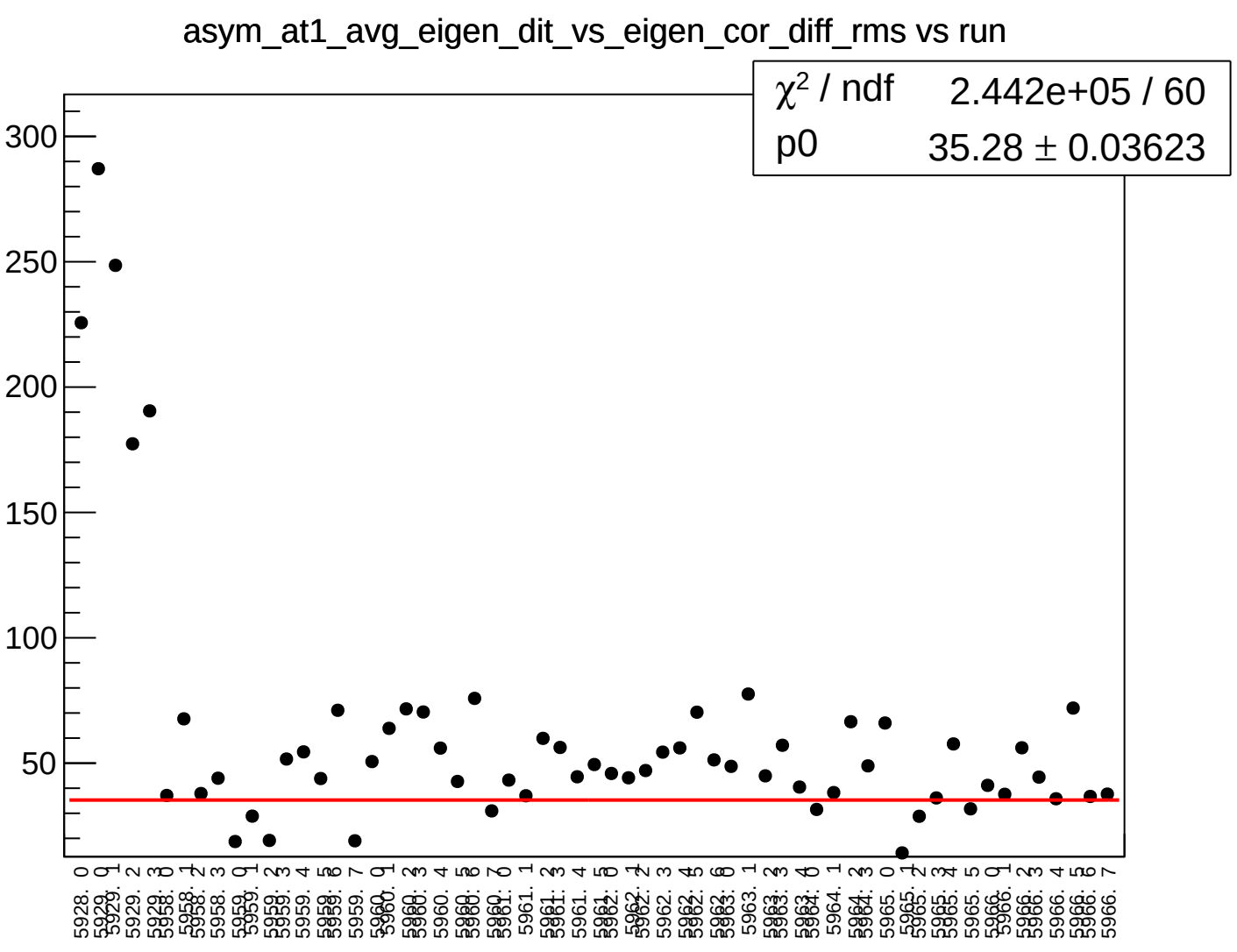

pull1D
Entries 61
Mean −0.01645
Std Dev 1.072

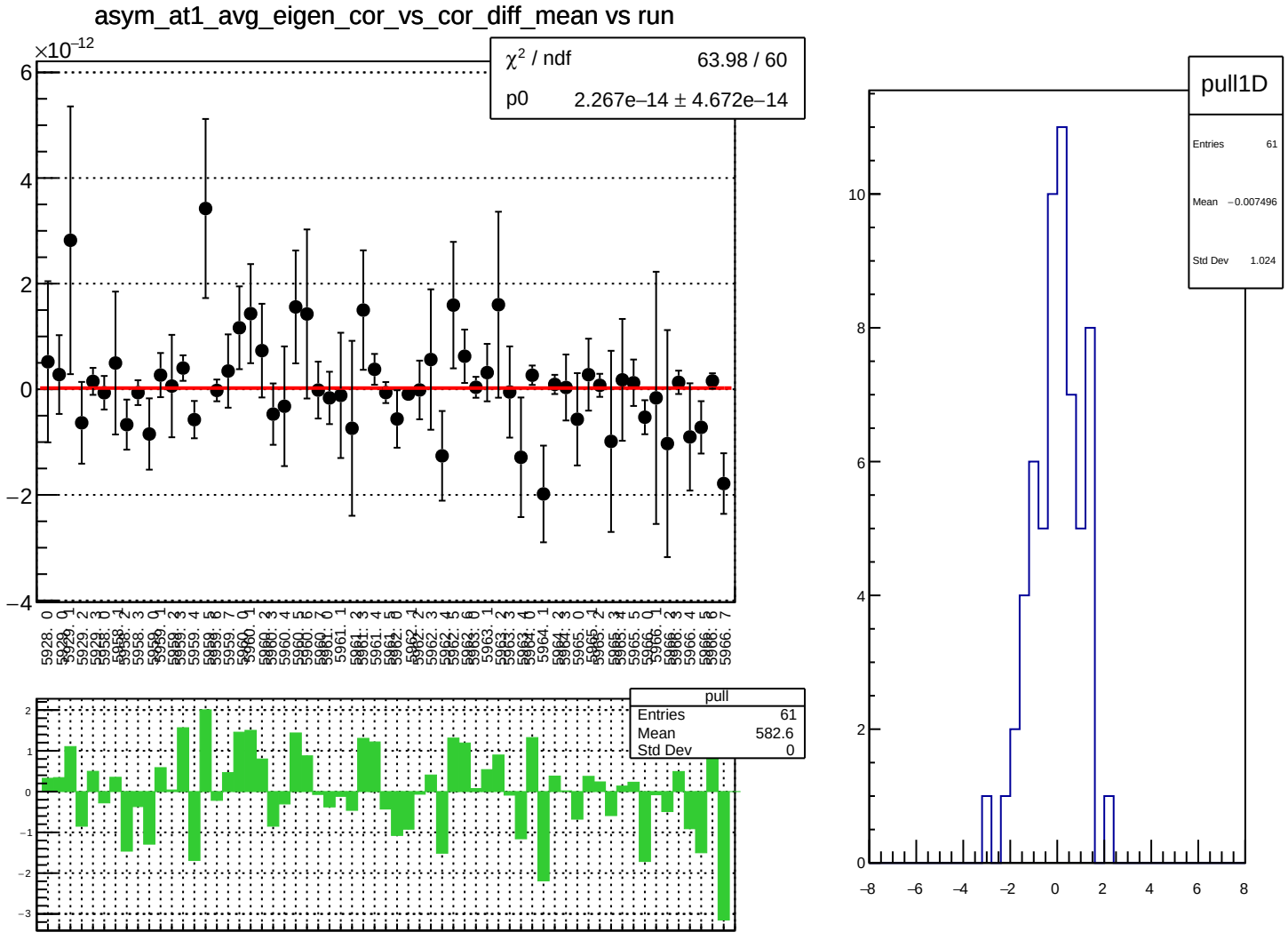

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.135e+04 / 60
p0 0.002253 ± 2.109e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

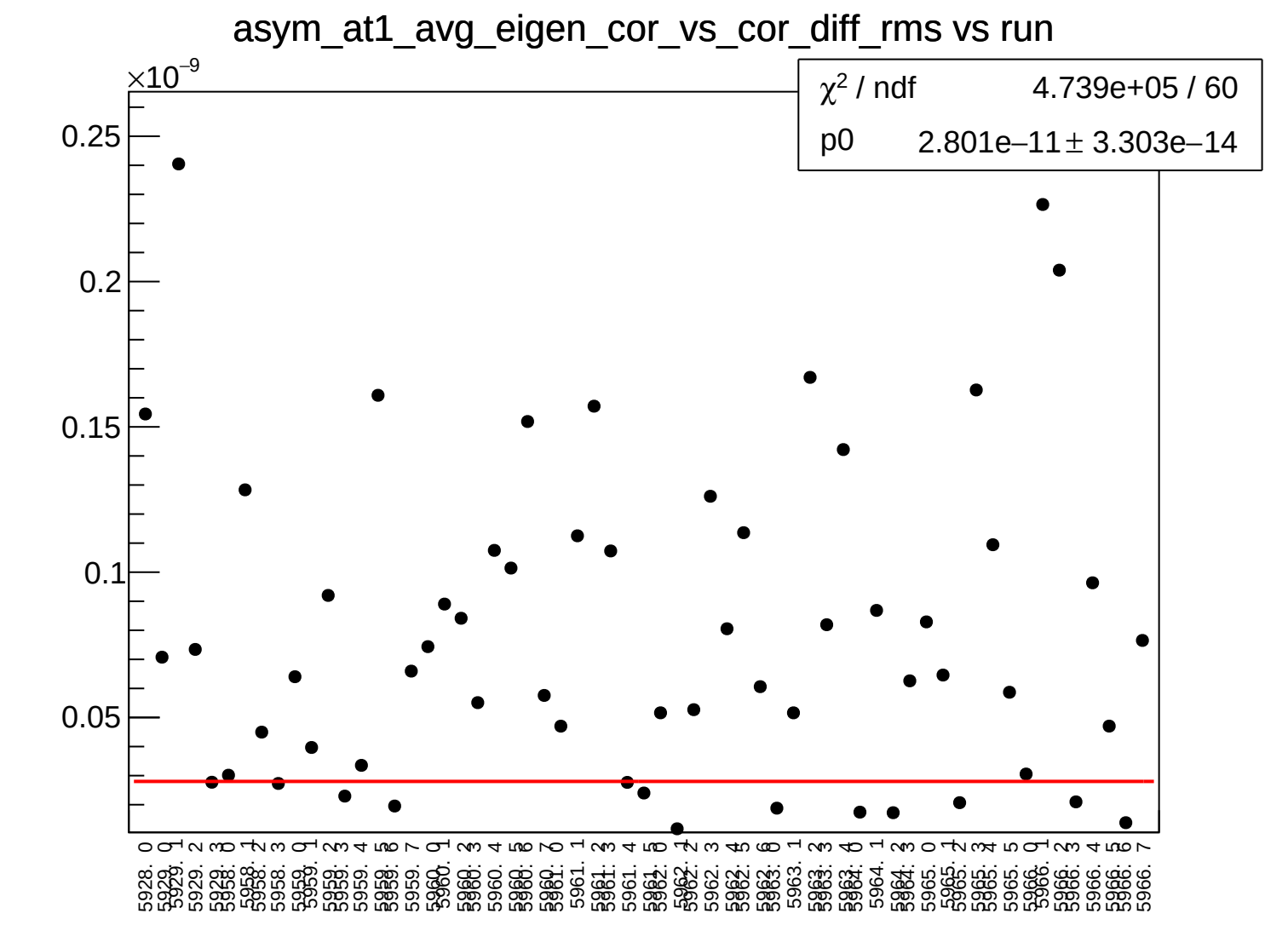

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.58 / 60
p0 −0.007251 ± 0.05123
pull
Entries 61
Mean −1.03
Std Dev 0
pull1D
Entries 61
Mean 0.1079
Std Dev 1.137

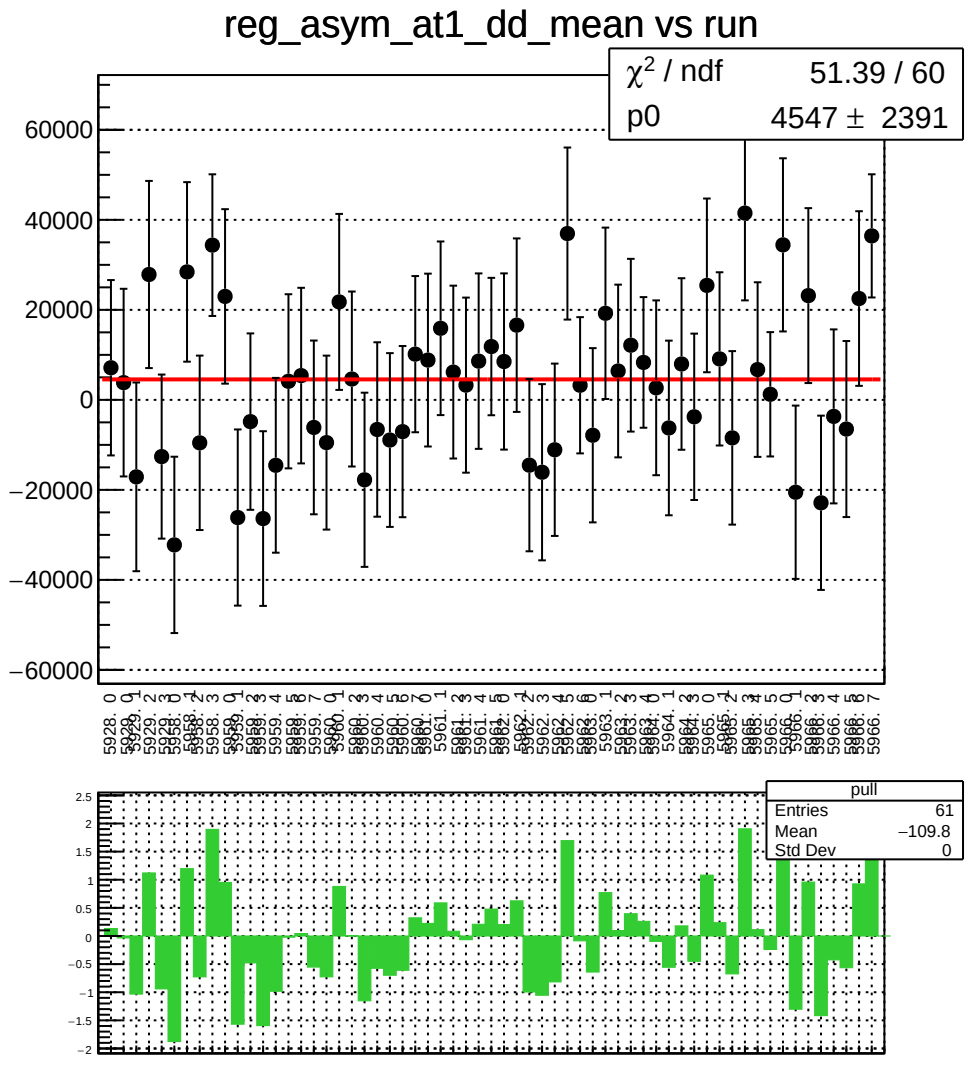

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 60
p0 35.28 ± 0.03623
300
250
200
150
100
50

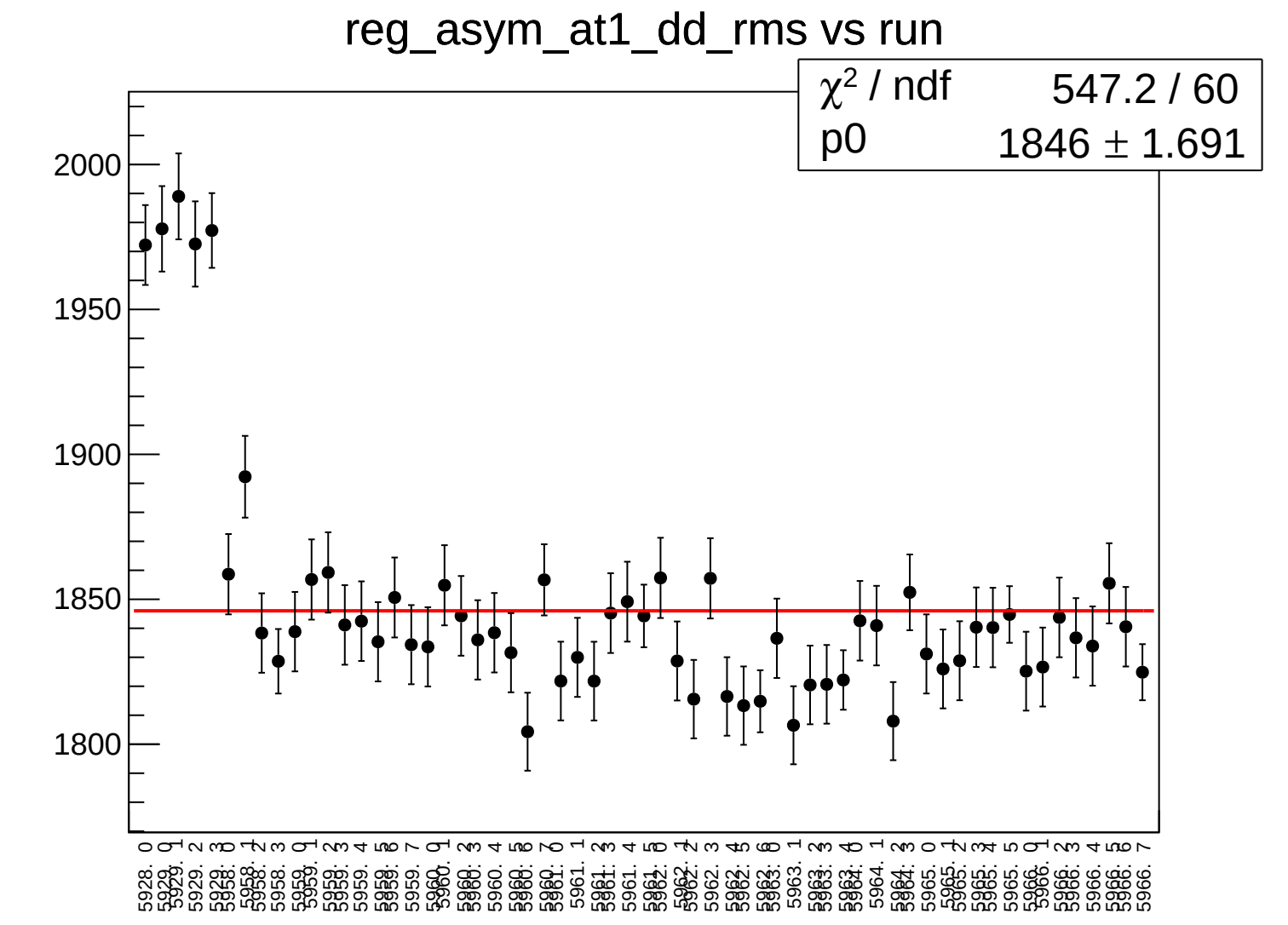

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.58 / 60
p0 −0.007251 ± 0.05123
pull
Entries 61
Mean −1.03
Std Dev 0
pull1D
Entries 61
Mean 0.1079
Std Dev 1.137

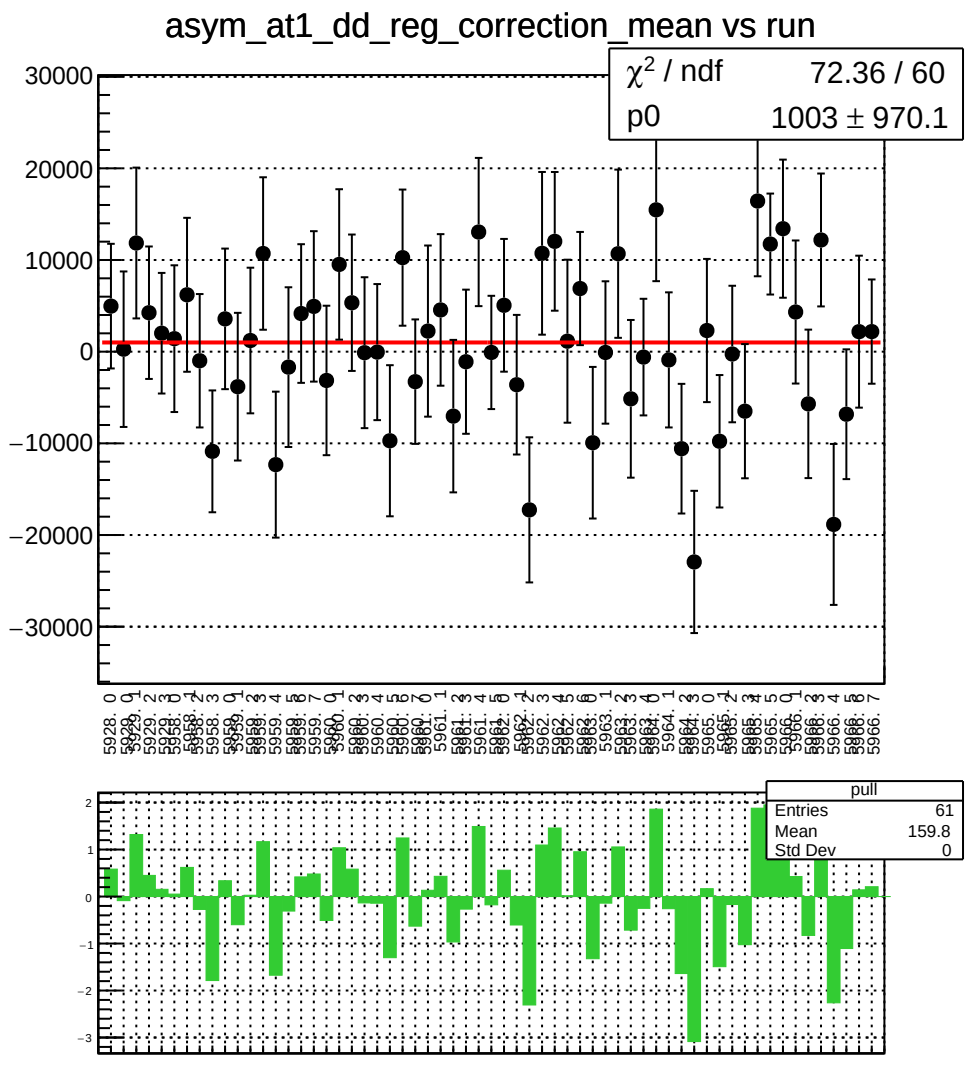

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.442e+05 / 60
p0 35.28 ± 0.03623
300
250
200
150
100
50

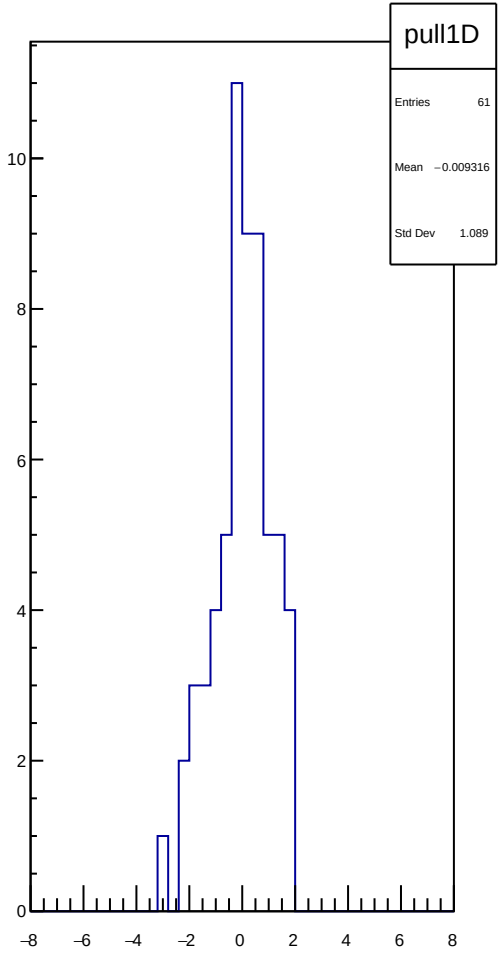

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.98 / 60
p0 2.267e−14 ± 4.672e−14
pull
Entries 61
Mean 582.6
Std Dev 0
pull1D
Entries 61
Mean −0.007496
Std Dev 1.024

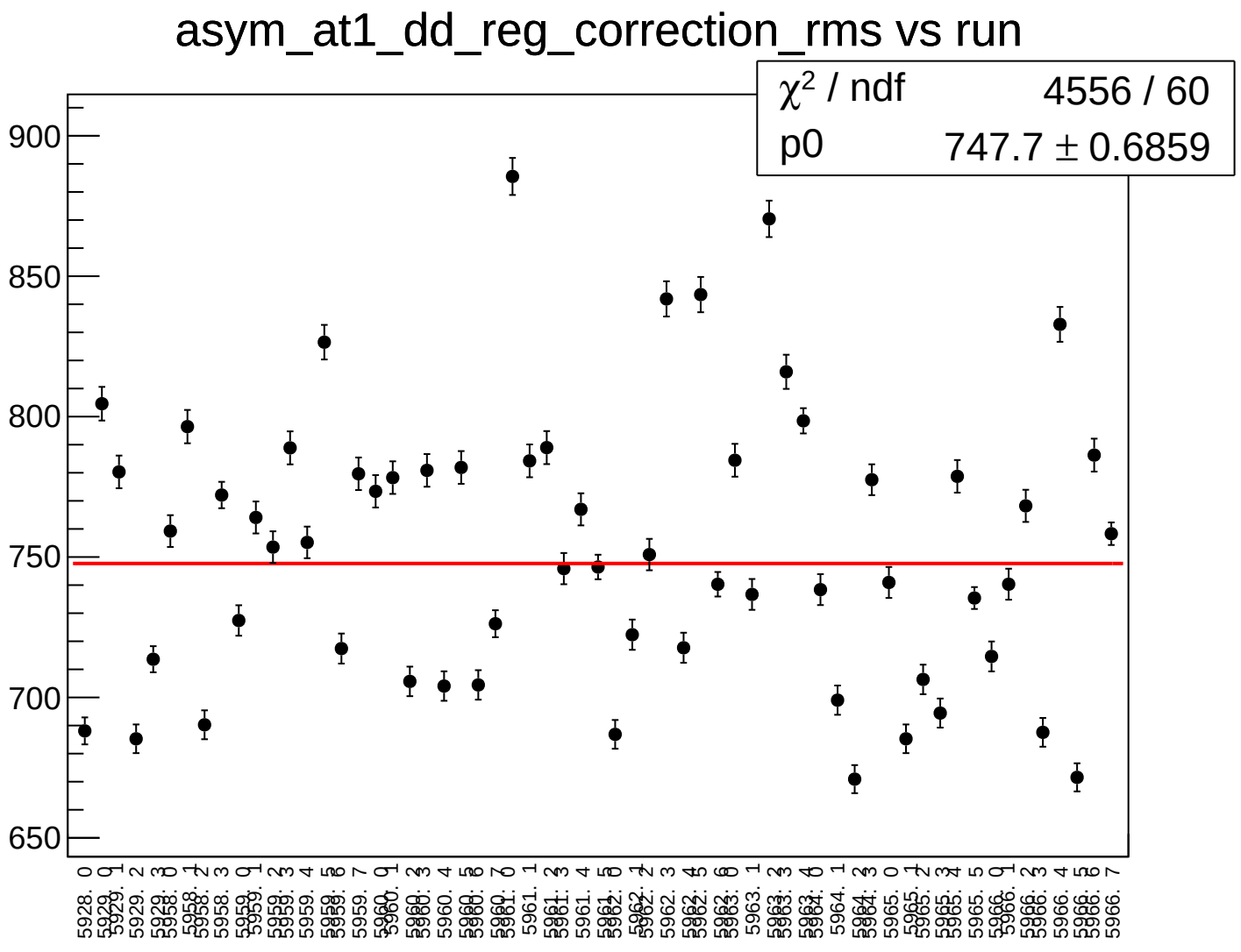

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.739e+05 / 60
p0 2.801e−11 ± 3.303e−14
0.25
0.2
0.15
0.1
0.05

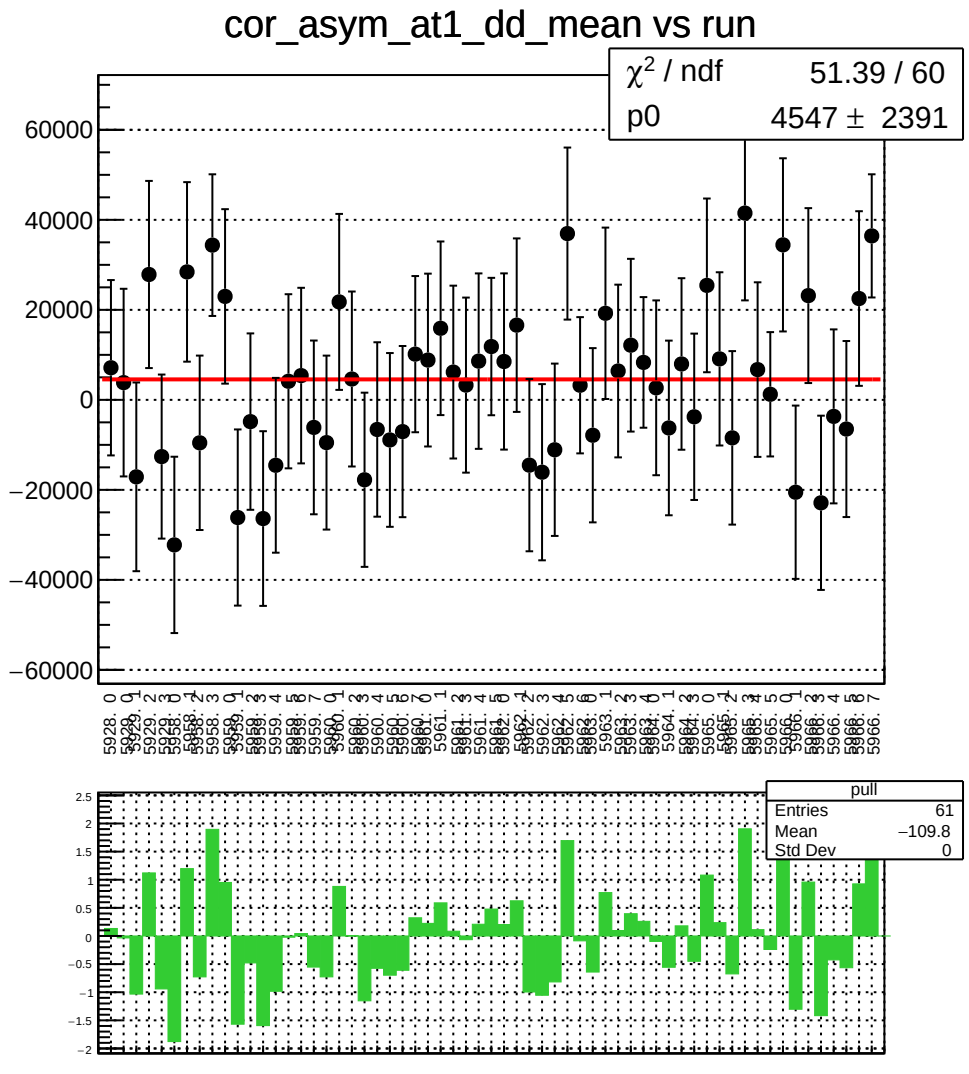

reg_asym_at1_dd_mean vs run
χ² / ndf 51.39 / 60
p0 4547 ± 2391
pull
Entries 61
Mean −109.8
Std Dev 0
pull1D
Entries 61
Mean −0.0244
Std Dev 0.9176

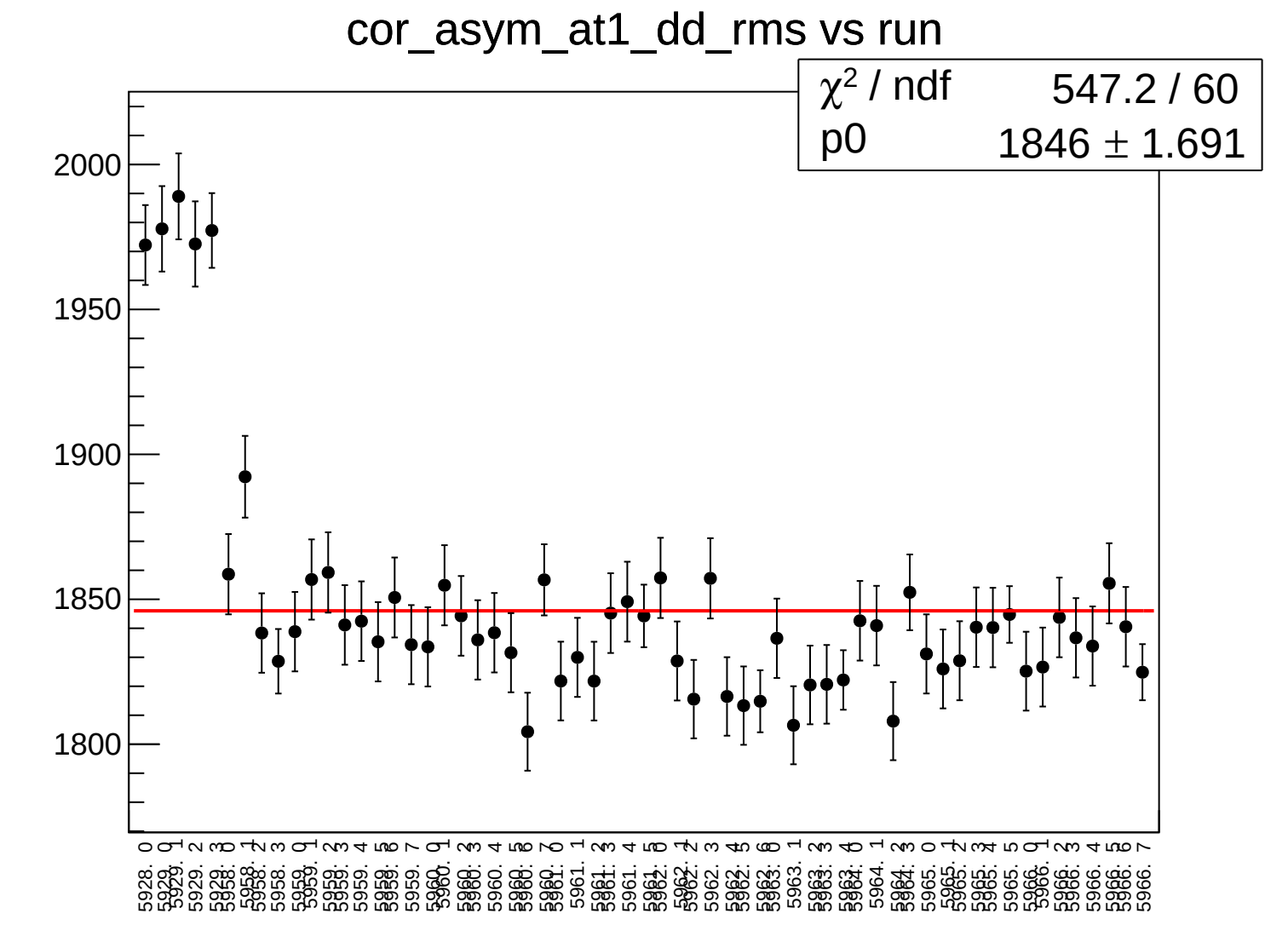

reg_asym_at1_dd_rms vs run
χ² / ndf 547.2 / 60
p0 1846 ± 1.691
2000
1950
1900
1850
1800

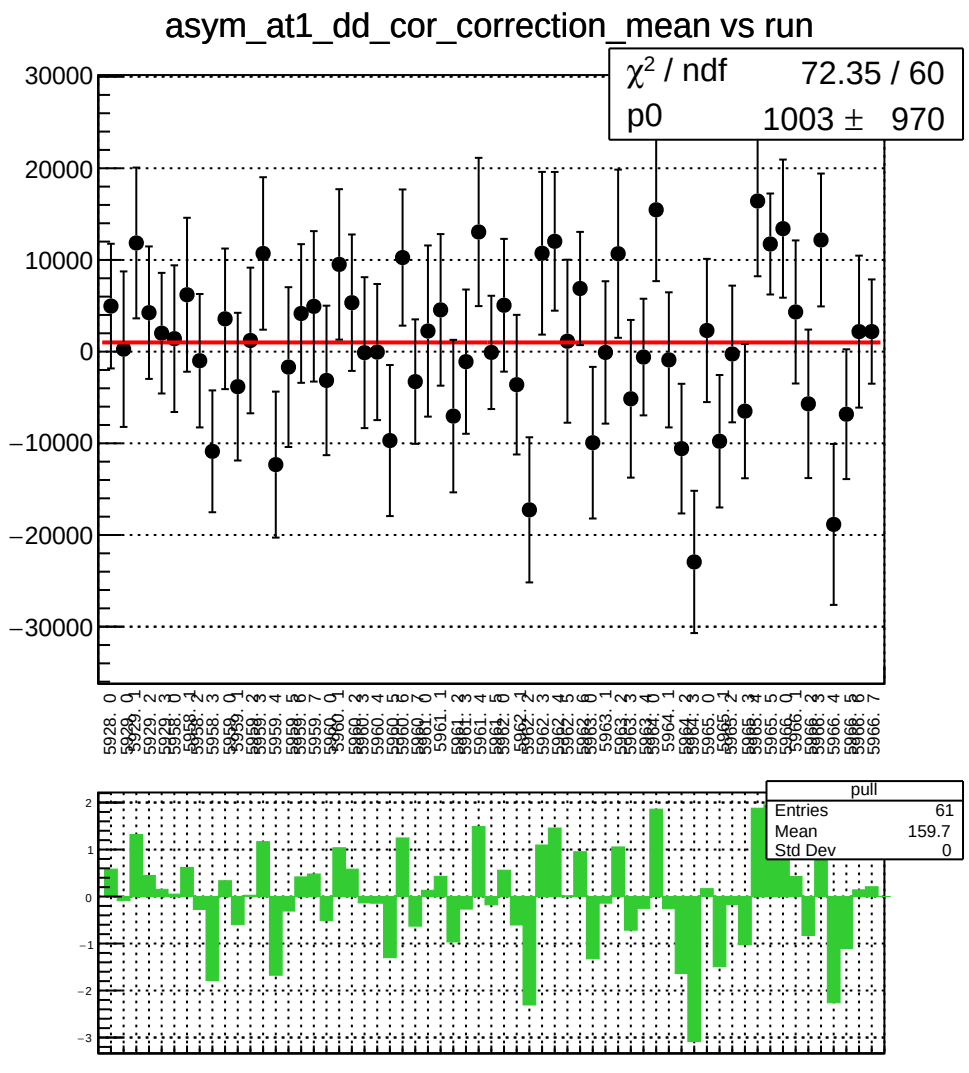

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 72.36 / 60
p0 1003 ± 970.1
pull
Entries 61
Mean 159.8
Std Dev 0

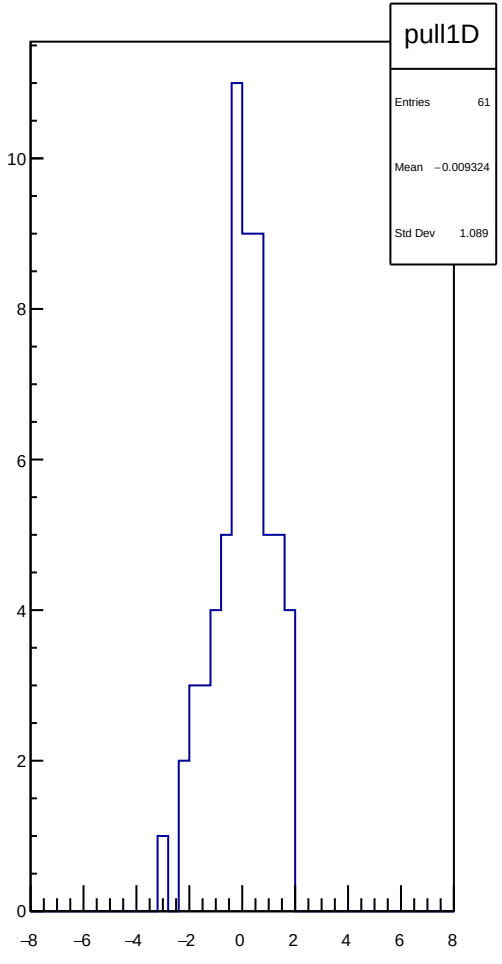

pull1D
Entries 61
Mean −0.009316
Std Dev 1.089

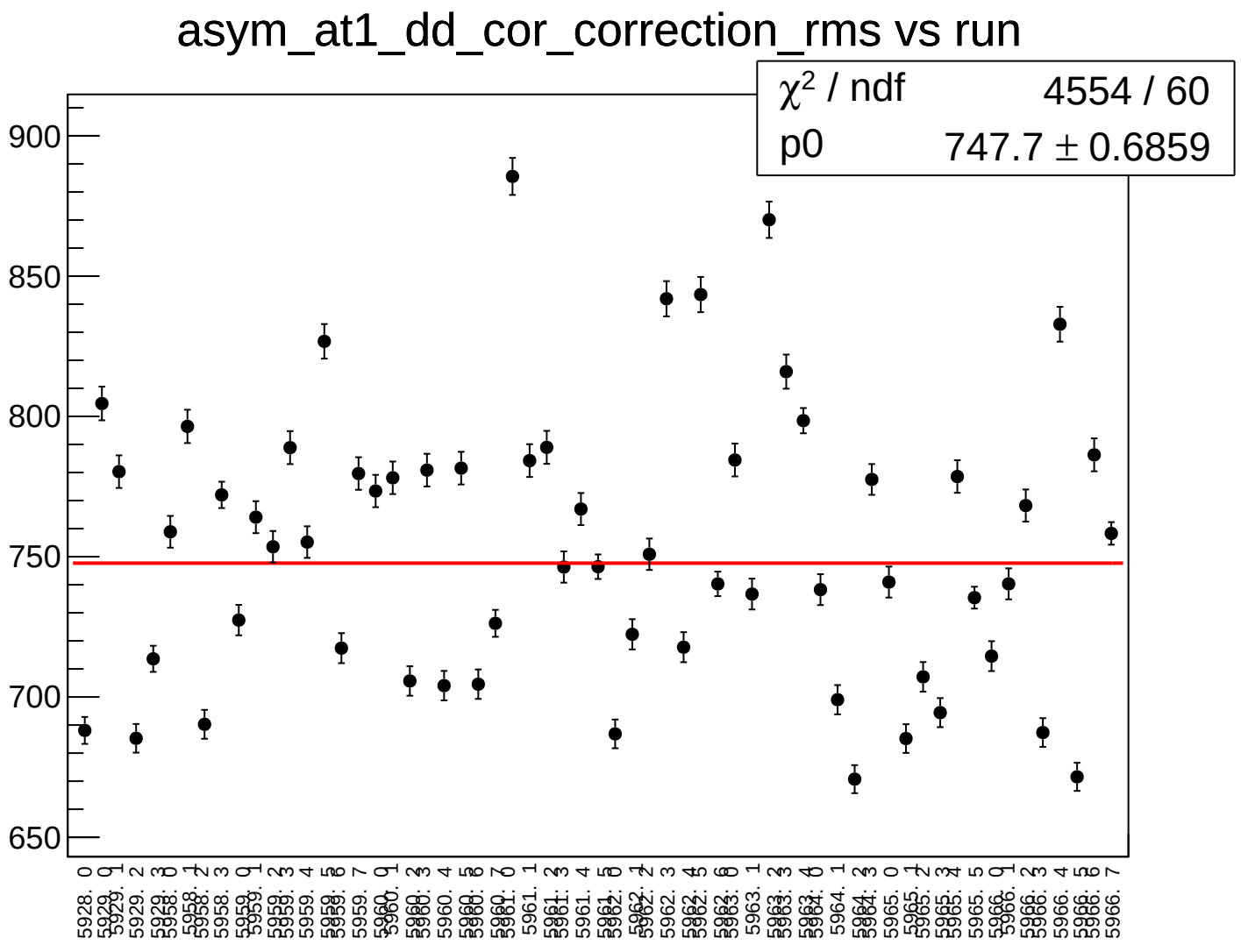

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 4556 / 60
p0 747.7 ± 0.6859
900
850
800
750
700
650

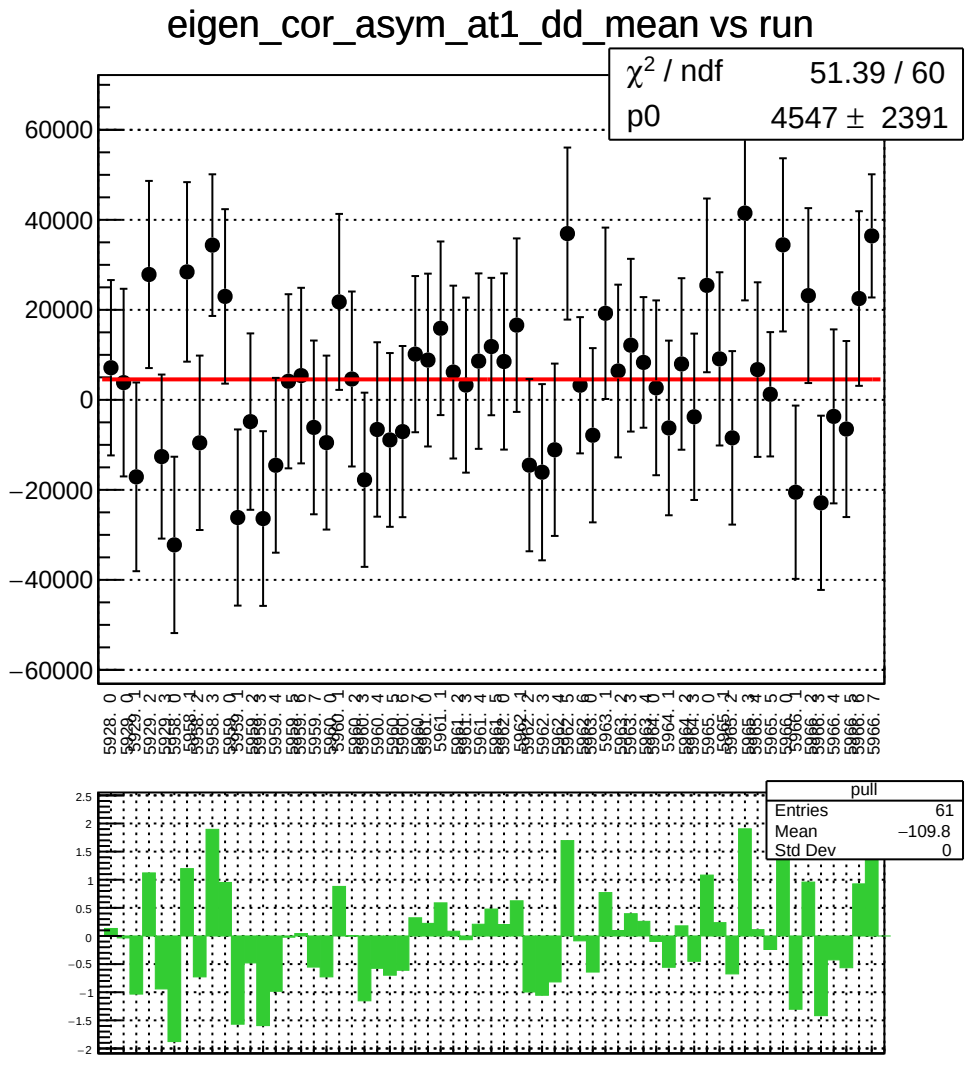

cor_asym_at1_dd_mean vs run
χ² / ndf 51.39 / 60
p0 4547 ± 2391
pull
Entries 61
Mean −109.8
Std Dev 0
pull1D
Entries 61
Mean −0.0244
Std Dev 0.9176

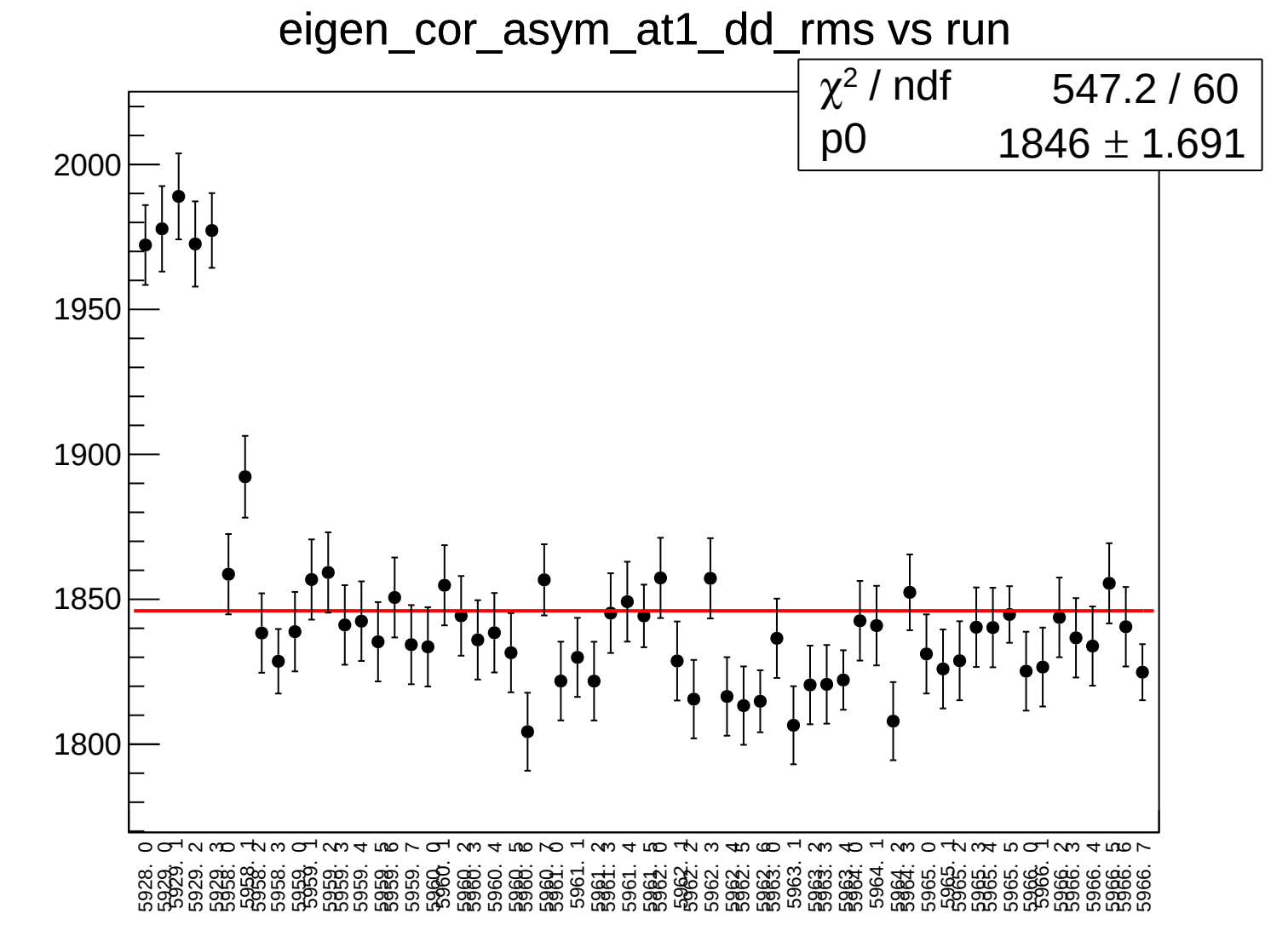

cor_asym_at1_dd_rms vs run
χ² / ndf 547.2 / 60
p0 1846 ± 1.691
2000
1950
1900
1850
1800

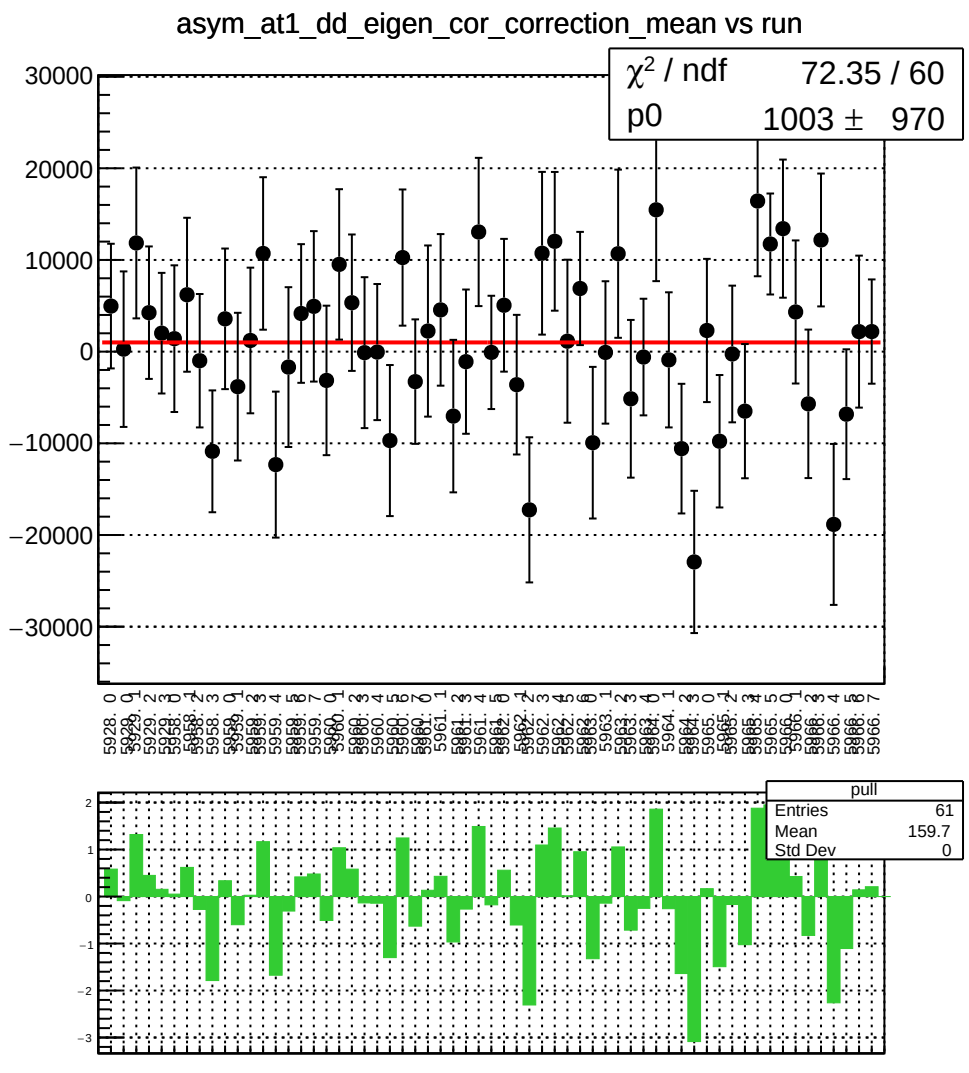

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 72.35 / 60
p0 1003 ± 970
pull
Entries 61
Mean 159.7
Std Dev 0

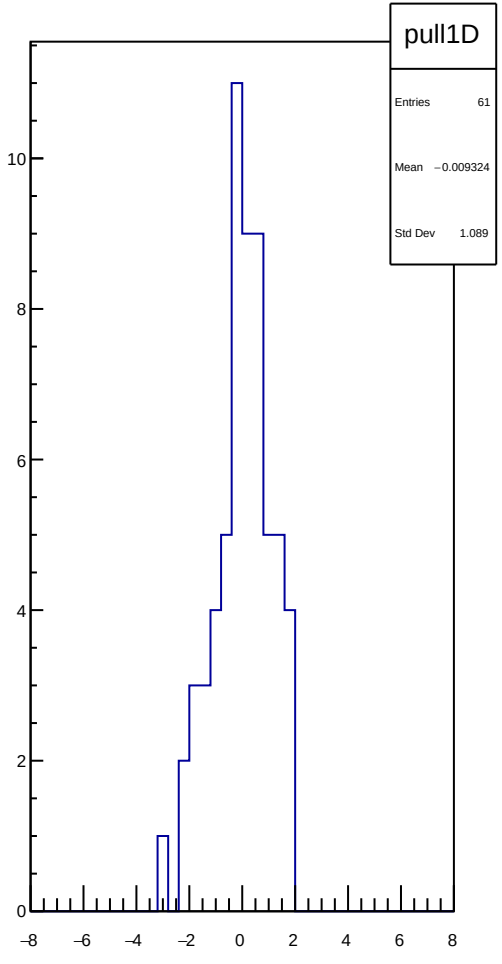

pull1D
Entries 61
Mean −0.009324
Std Dev 1.089

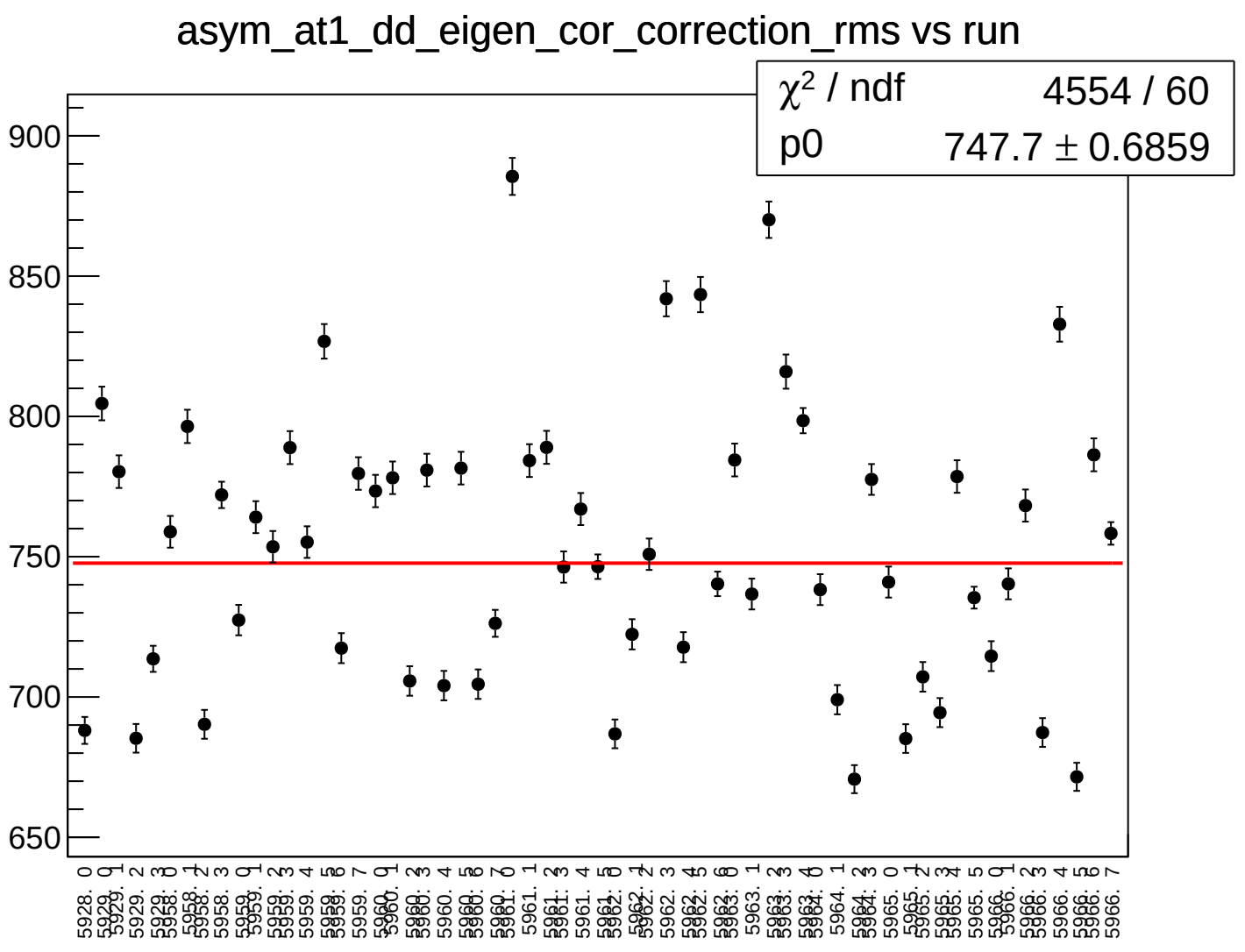

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 4554 / 60
p0 747.7 ± 0.6859
900
850
800
750
700
650

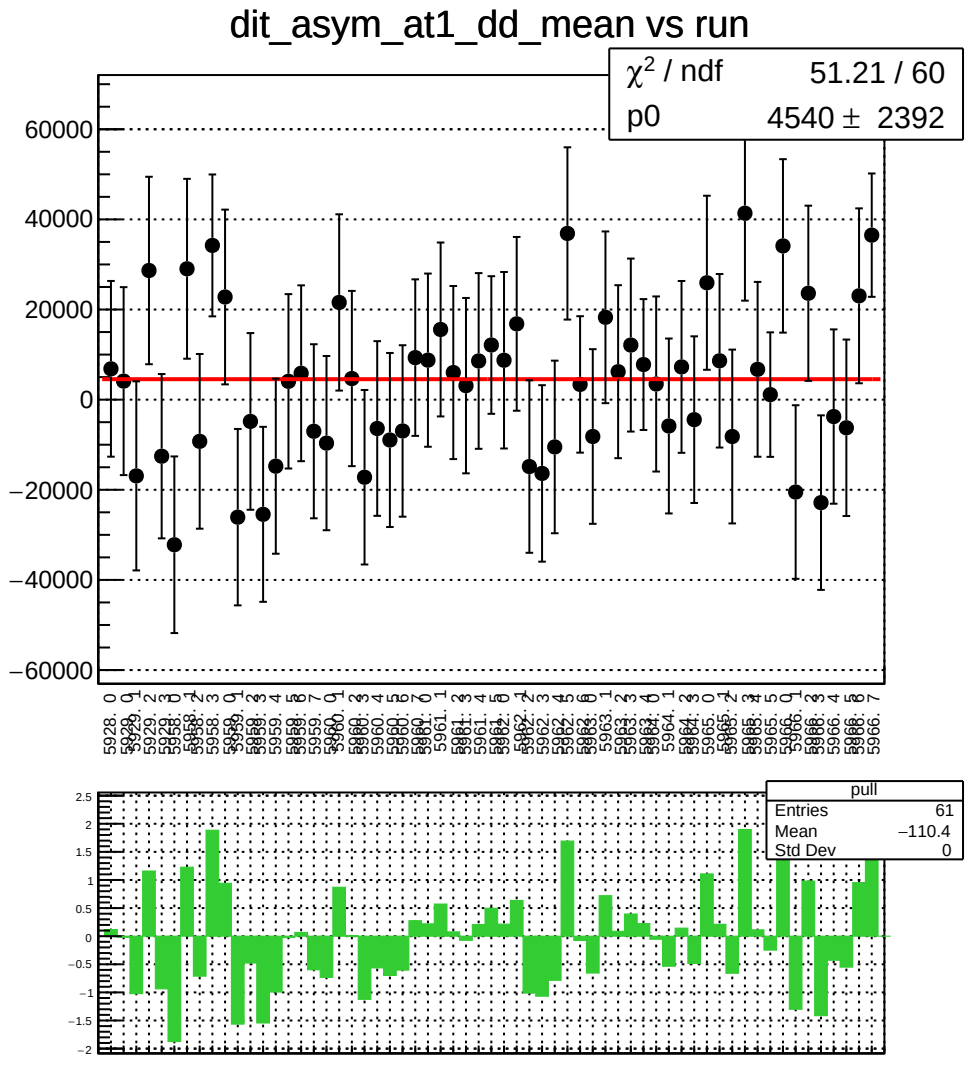

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 51.39 / 60
p0 4547 ± 2391
pull
Entries 61
Mean −109.8
Std Dev 0
pull1D
Entries 61
Mean −0.0244
Std Dev 0.9176

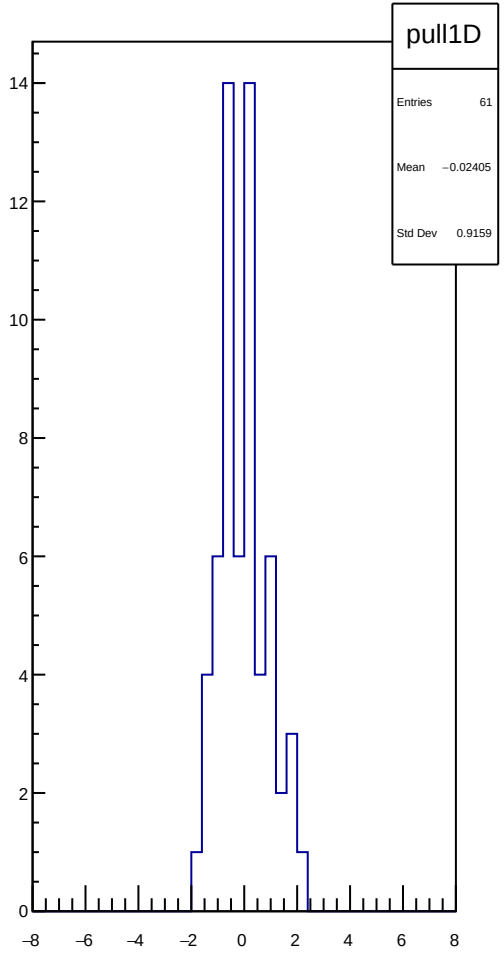

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 547.2 / 60
p0 1846 ± 1.691
2000
1950
1900
1850
1800

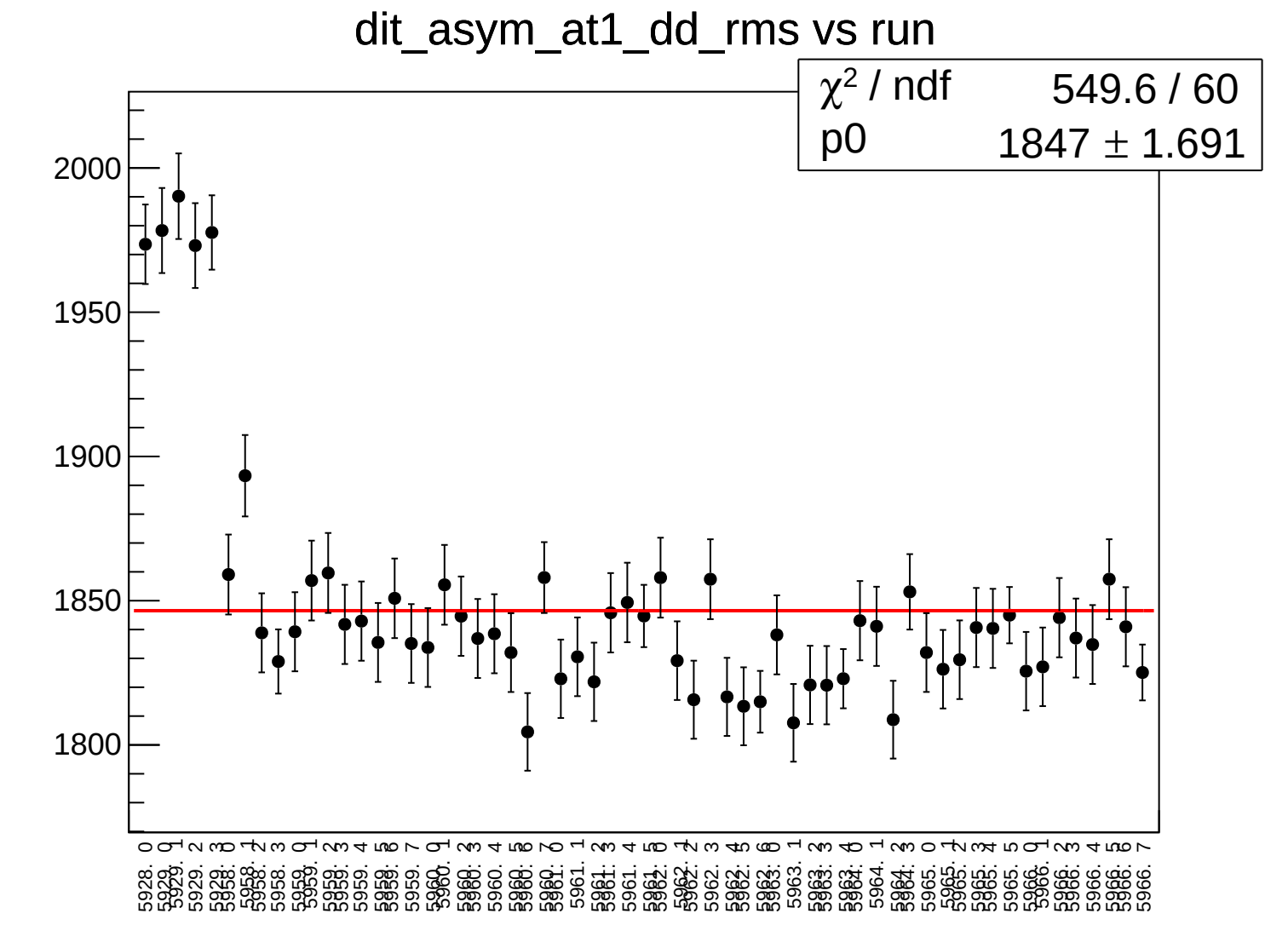

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.35 / 60
p0 1003 ± 970
pull
Entries 61
Mean 159.7
Std Dev 0

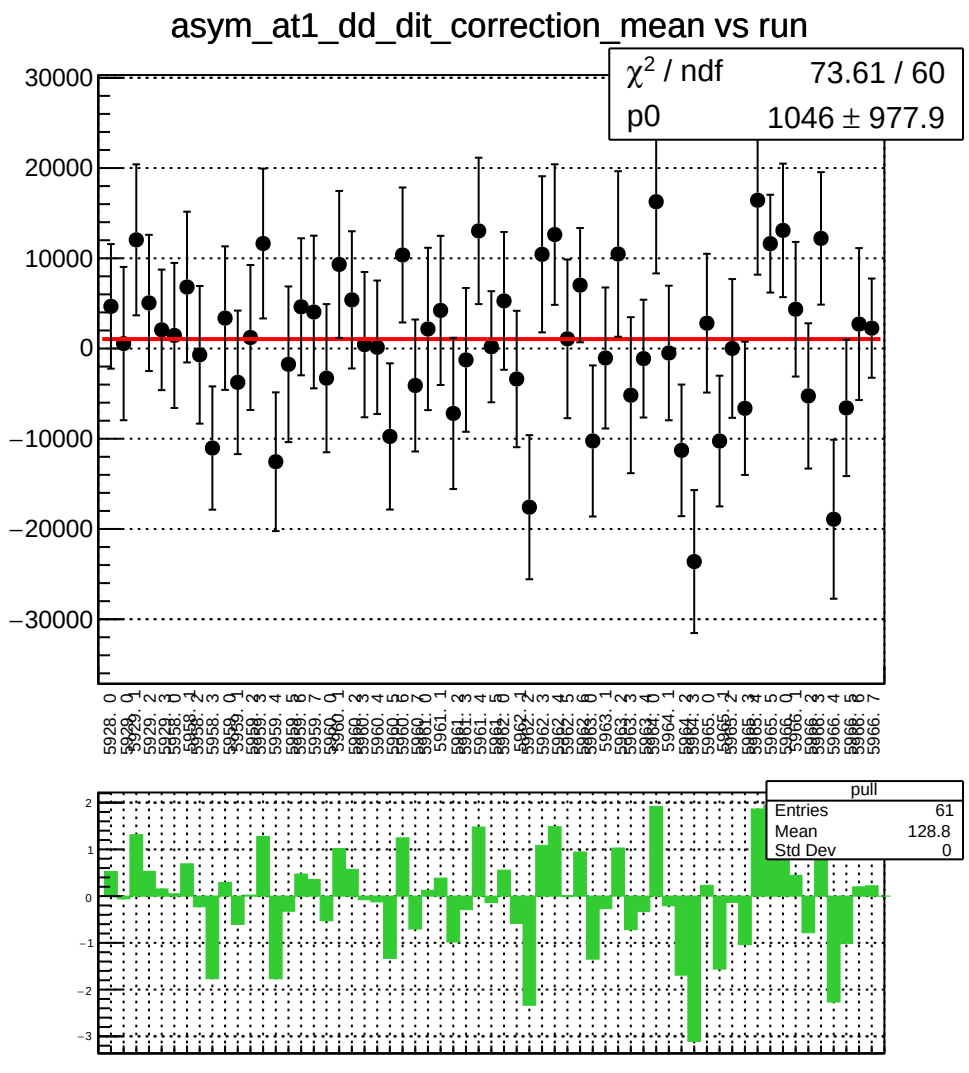

pull1D
Entries 61
Mean −0.009324
Std Dev 1.089

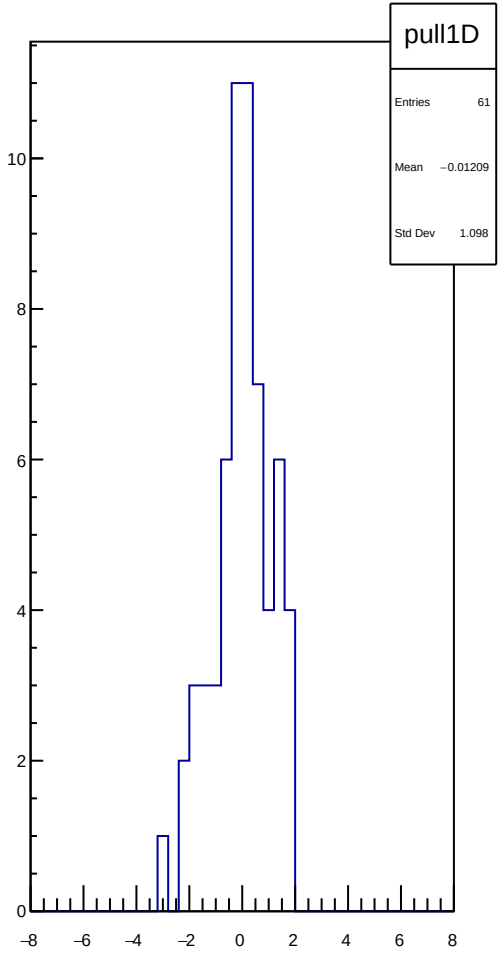

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4554 / 60
p0 747.7 ± 0.6859
900
850
800
750
700
650

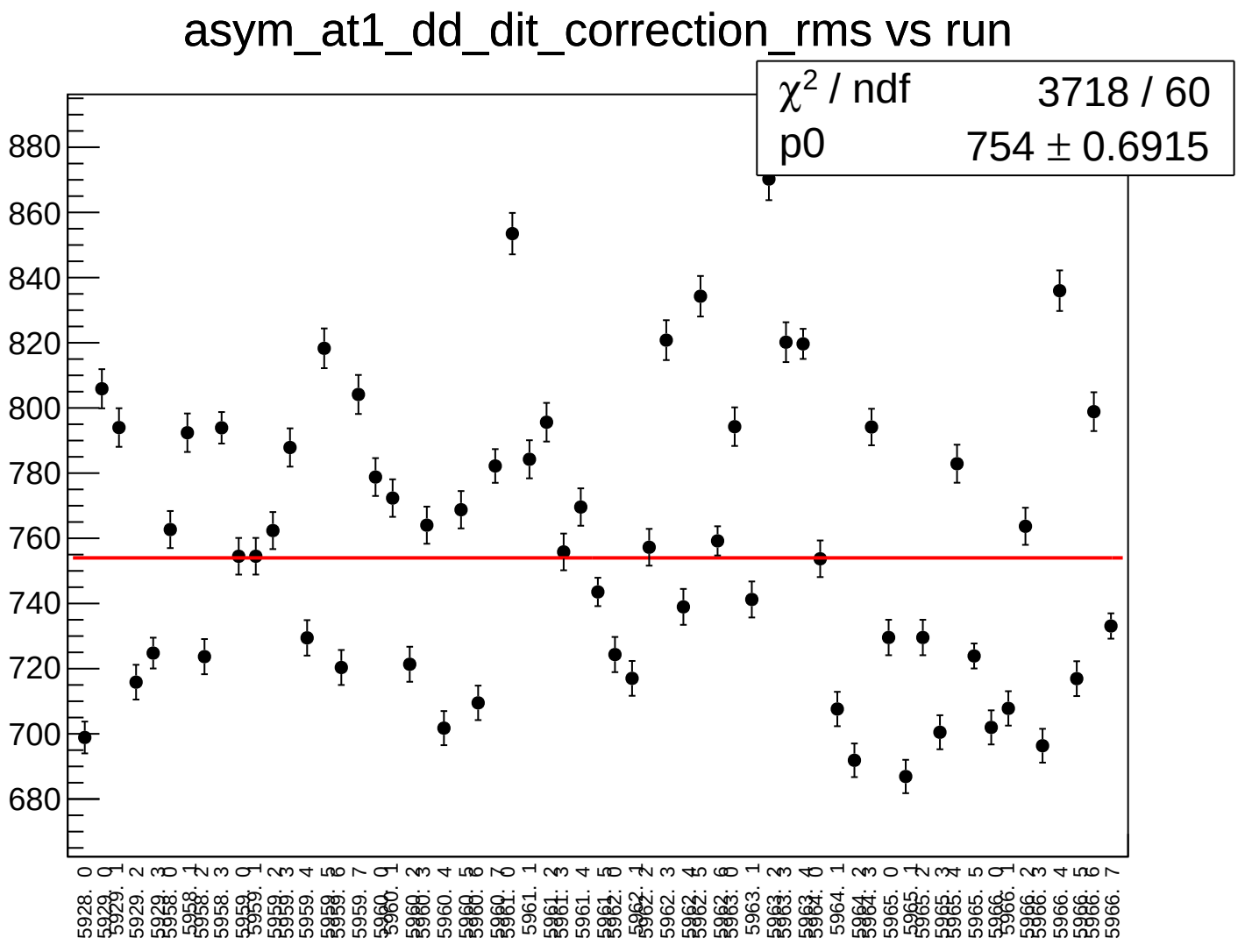

dit_asym_at1_dd_mean vs run
χ² / ndf 51.21 / 60
p0 4540 ± 2392
pull
Entries 61
Mean −110.4
Std Dev 0

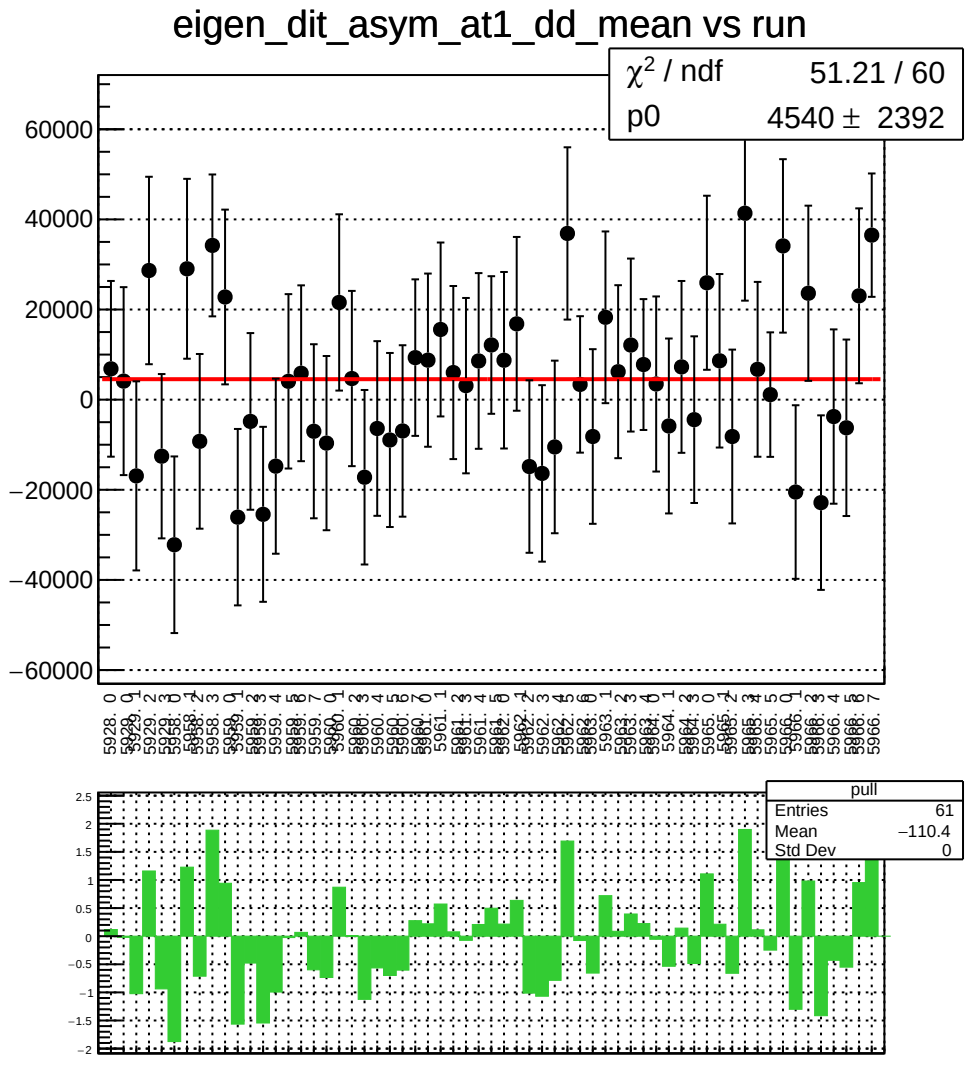

pull1D
Entries 61
Mean −0.02405
Std Dev 0.9159

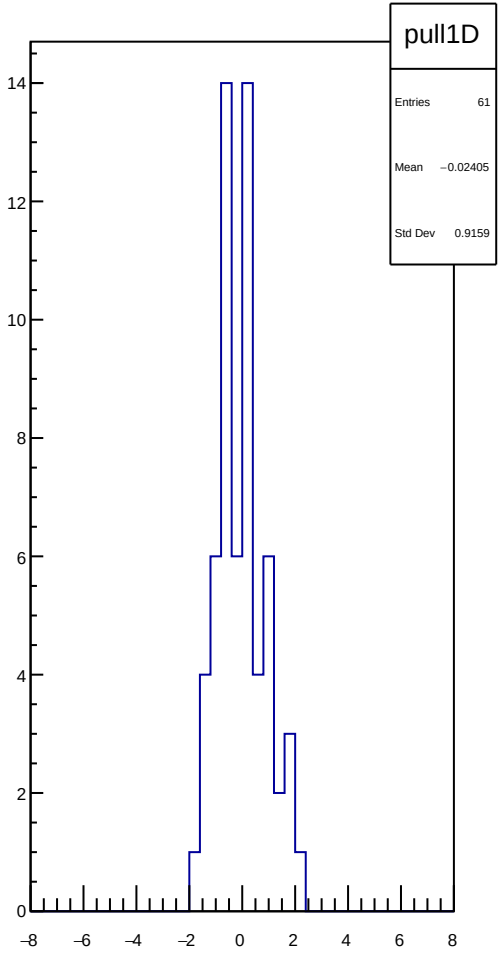

dit_asym_at1_dd_rms vs run
χ² / ndf 549.6 / 60
p0 1847 ± 1.691
2000
1950
1900
1850
1800

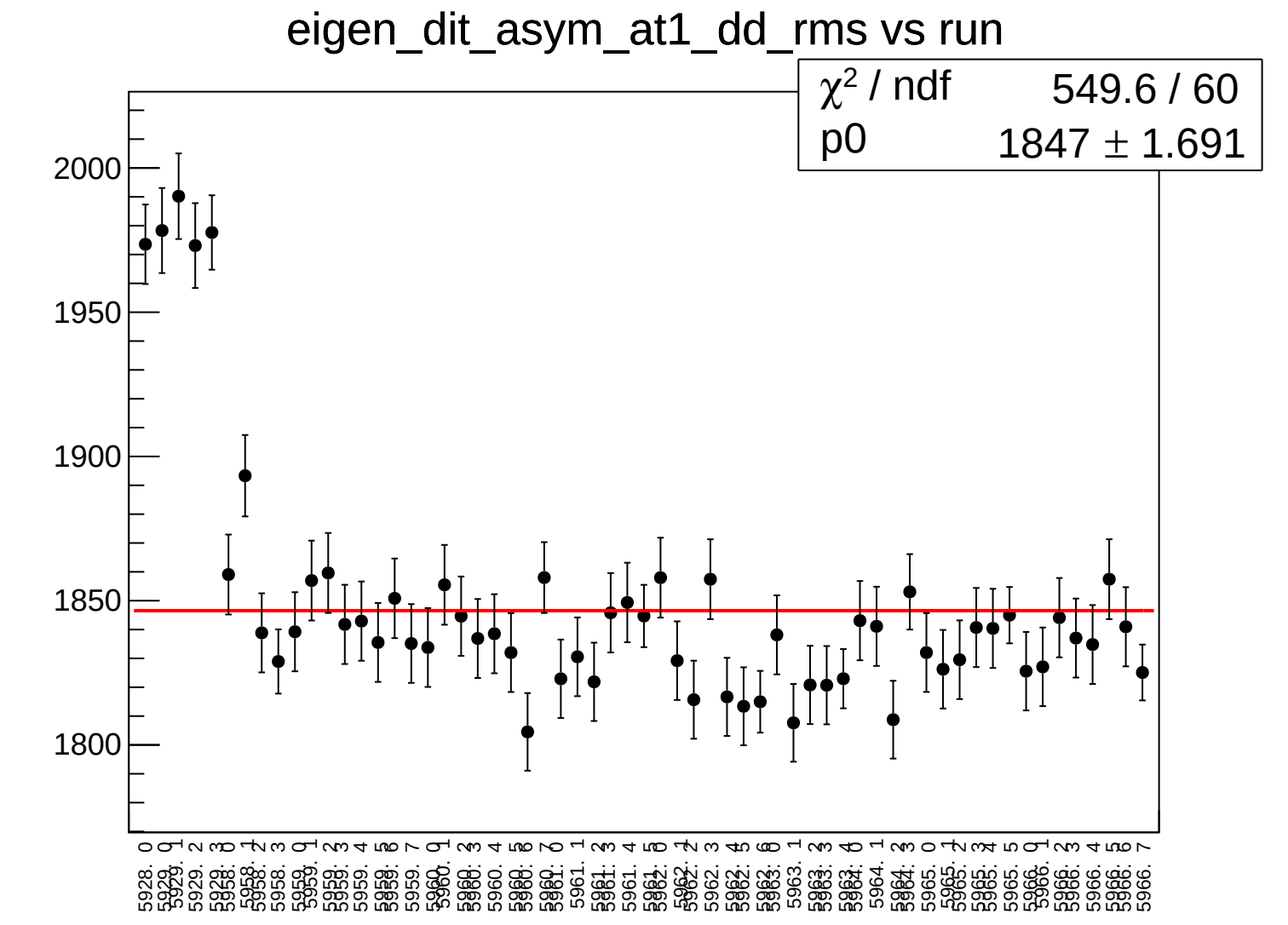

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 73.61 / 60
p0 1046 ± 977.9
pull
Entries 61
Mean 128.8
Std Dev 0

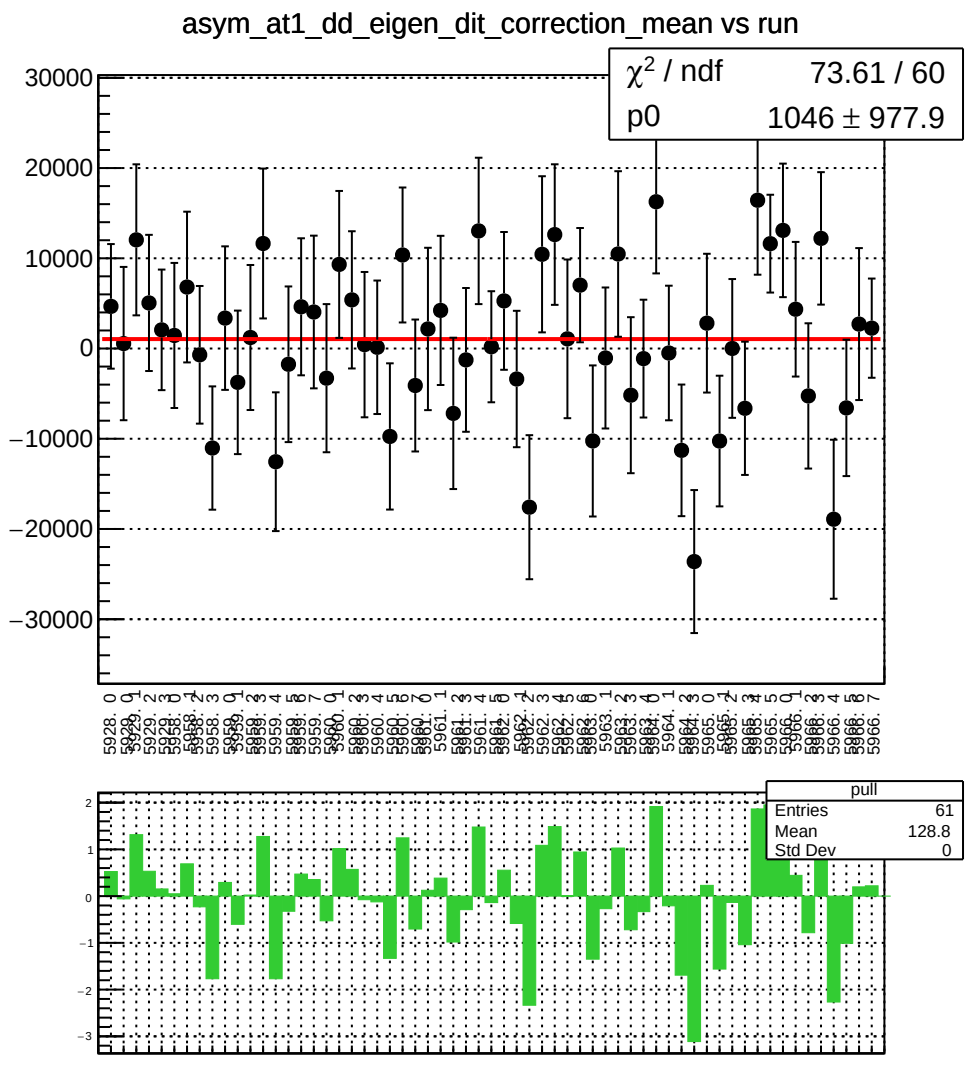

pull1D
Entries 61
Mean −0.01209
Std Dev 1.098

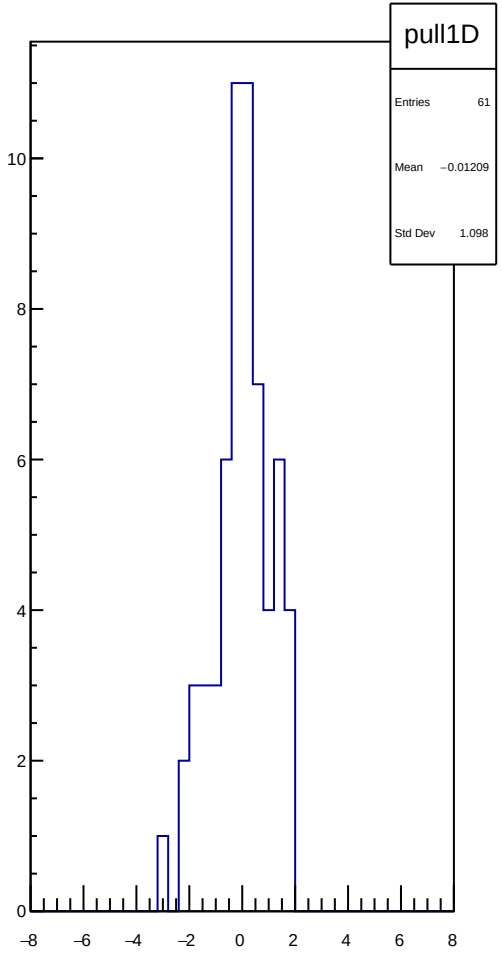

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 3718 / 60
p0 754 ± 0.6915
880
860
840
820
800
780
760
740
720
700
680

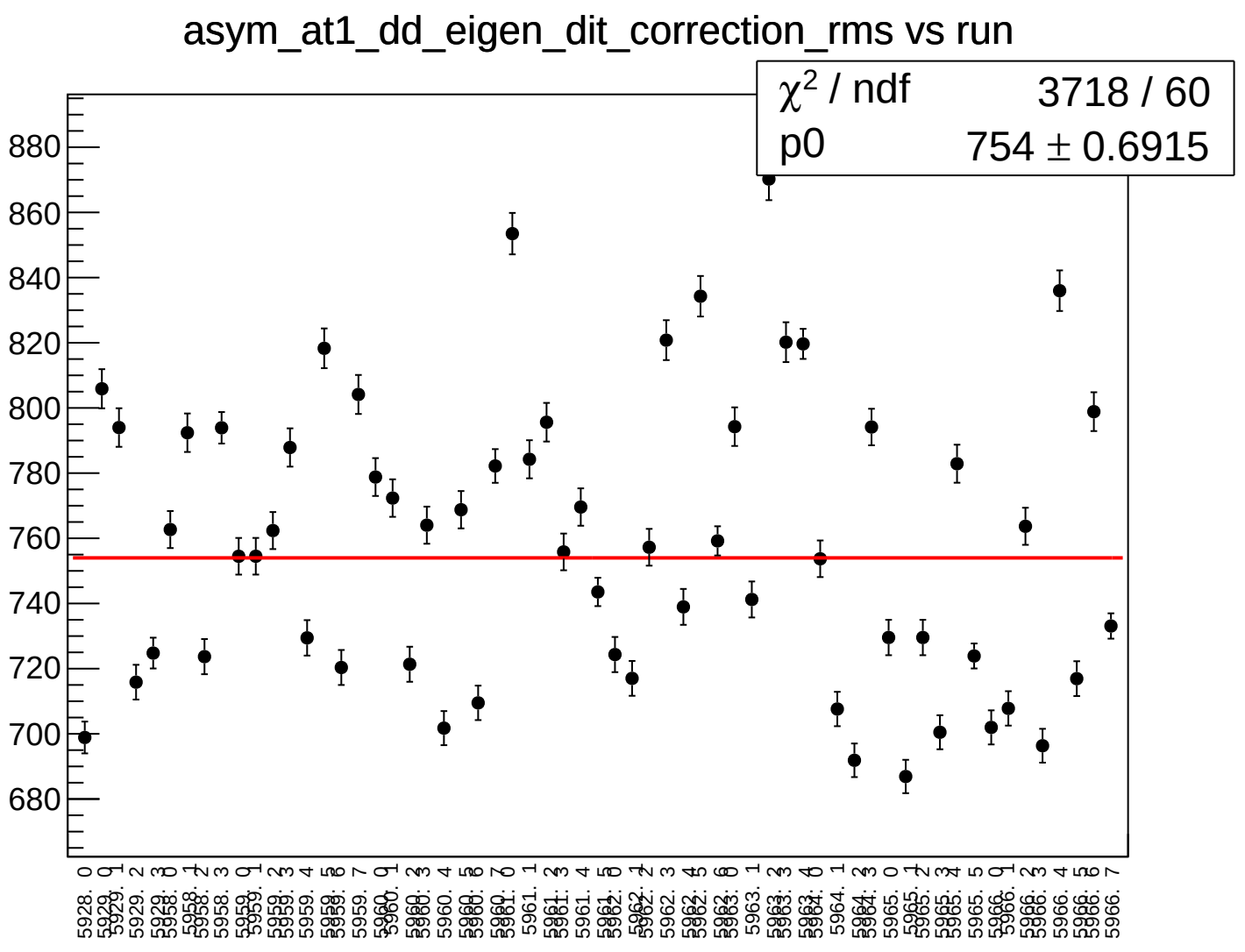

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 51.21 / 60
p0 4540 ± 2392
pull
Entries 61
Mean −110.4
Std Dev 0

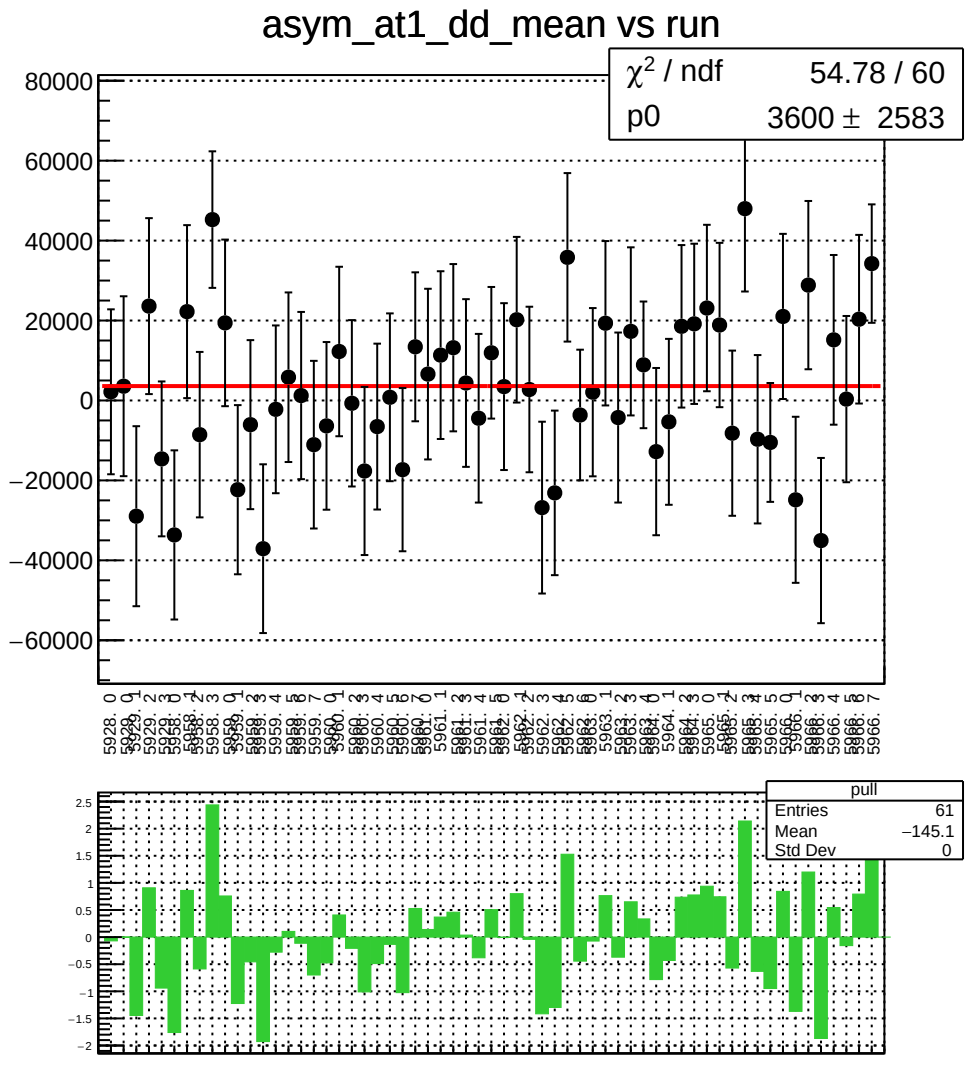

pull1D
Entries 61
Mean −0.02405
Std Dev 0.9159

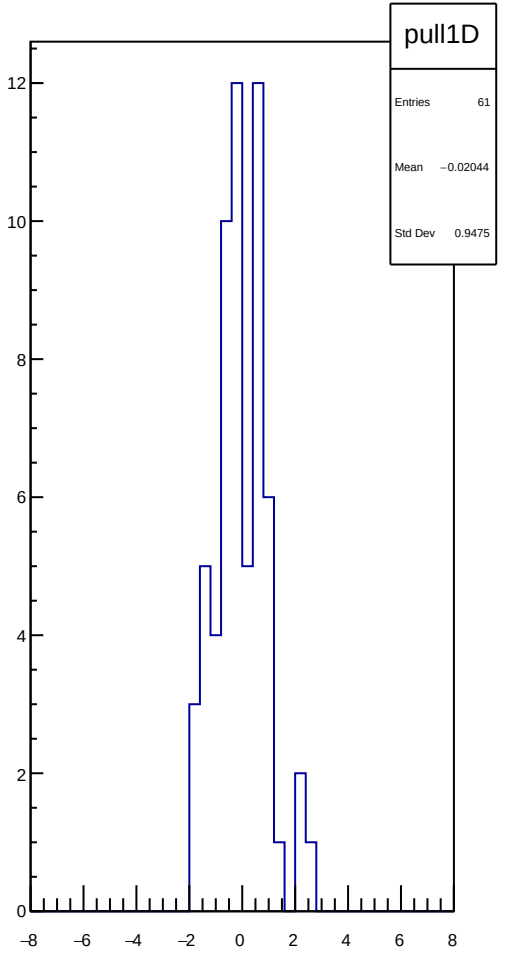

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 549.6 / 60
p0 1847 ± 1.691
2000
1950
1900
1850
1800

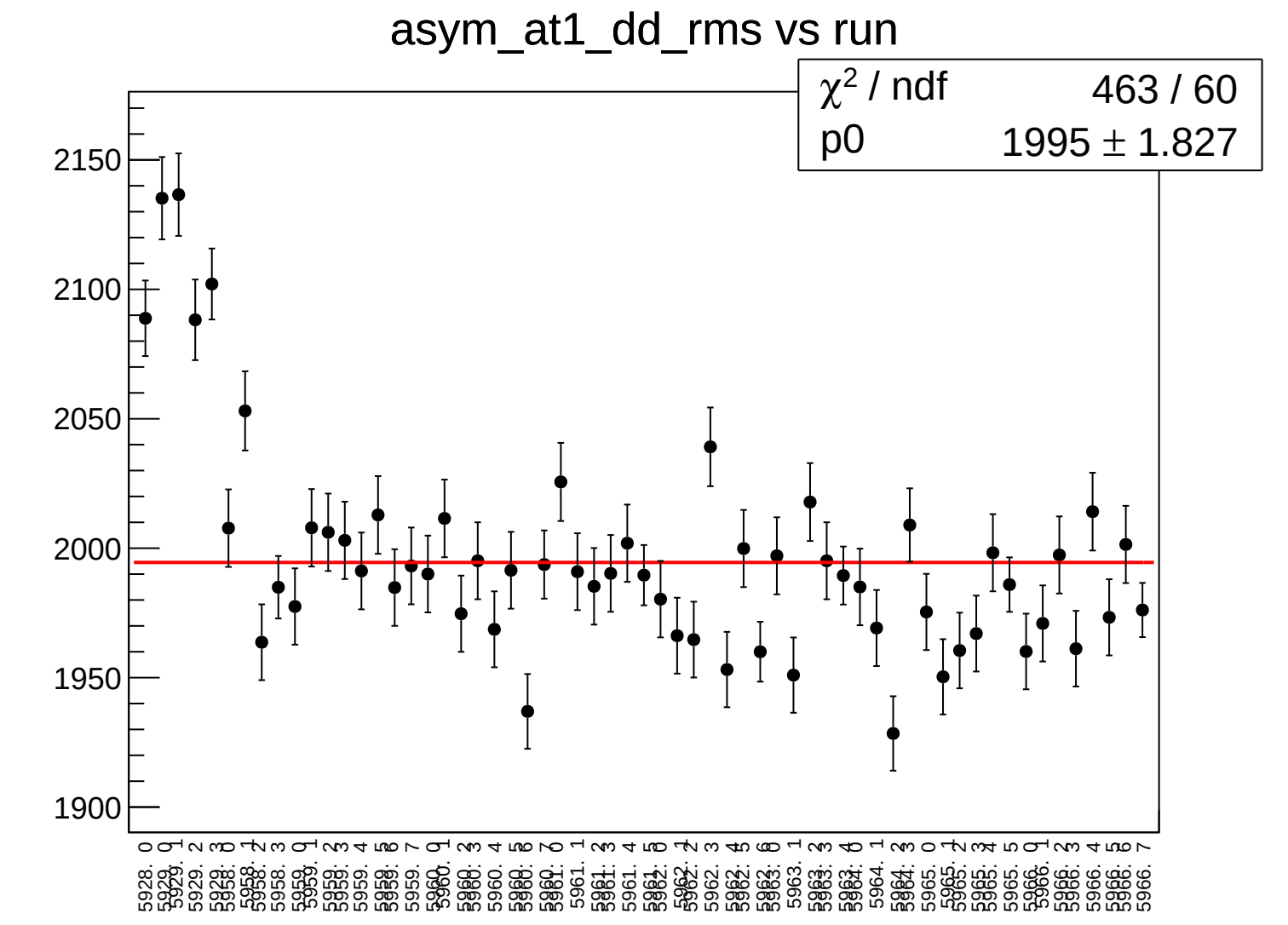

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.61 / 60
p0 1046 ± 977.9
pull
Entries 61
Mean 128.8
Std Dev 0

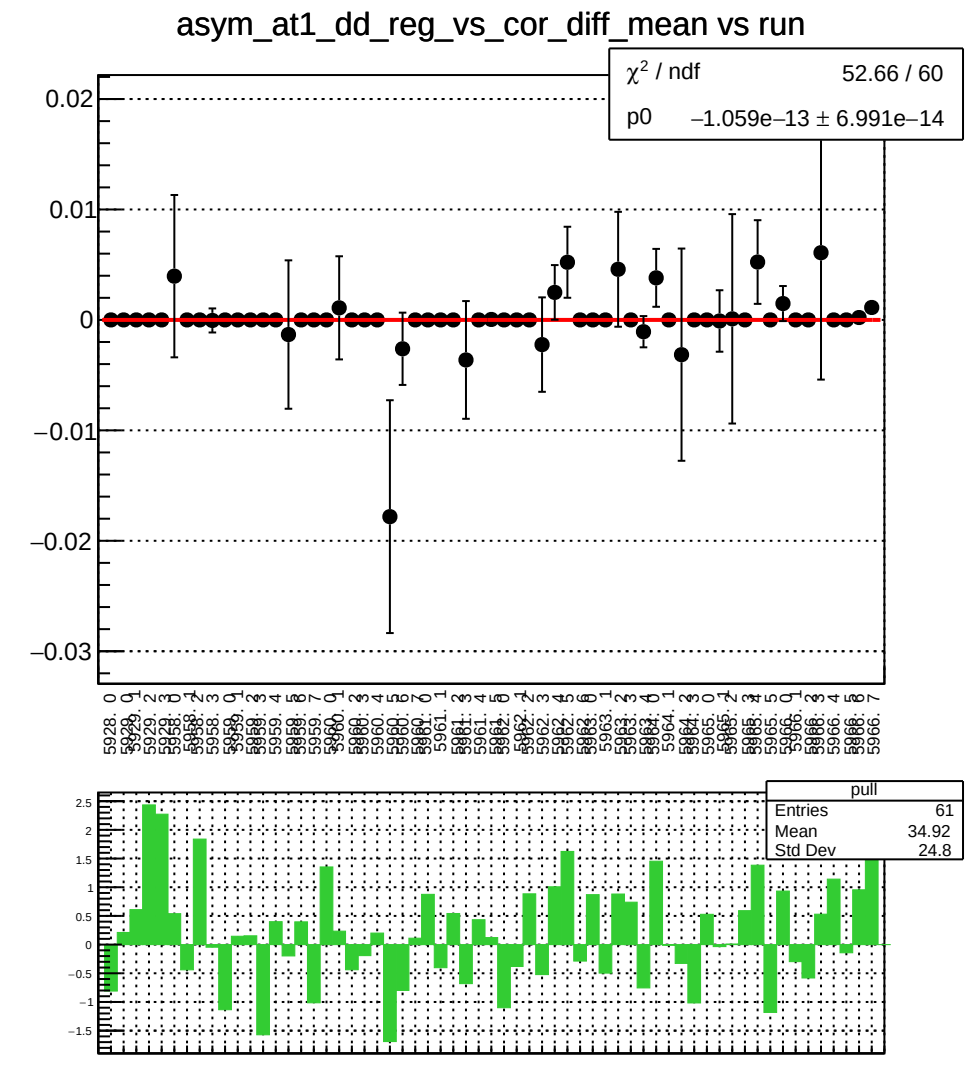

pull1D
Entries 61
Mean −0.01209
Std Dev 1.098

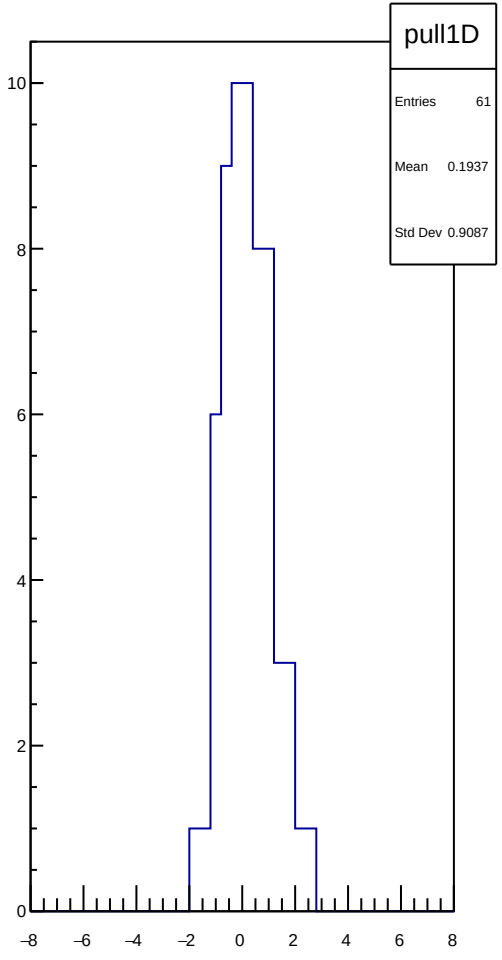

asym_at1_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 3718 / 60
p0 754 ± 0.6915
880
860
840
820
800
780
760
740
720
700
680

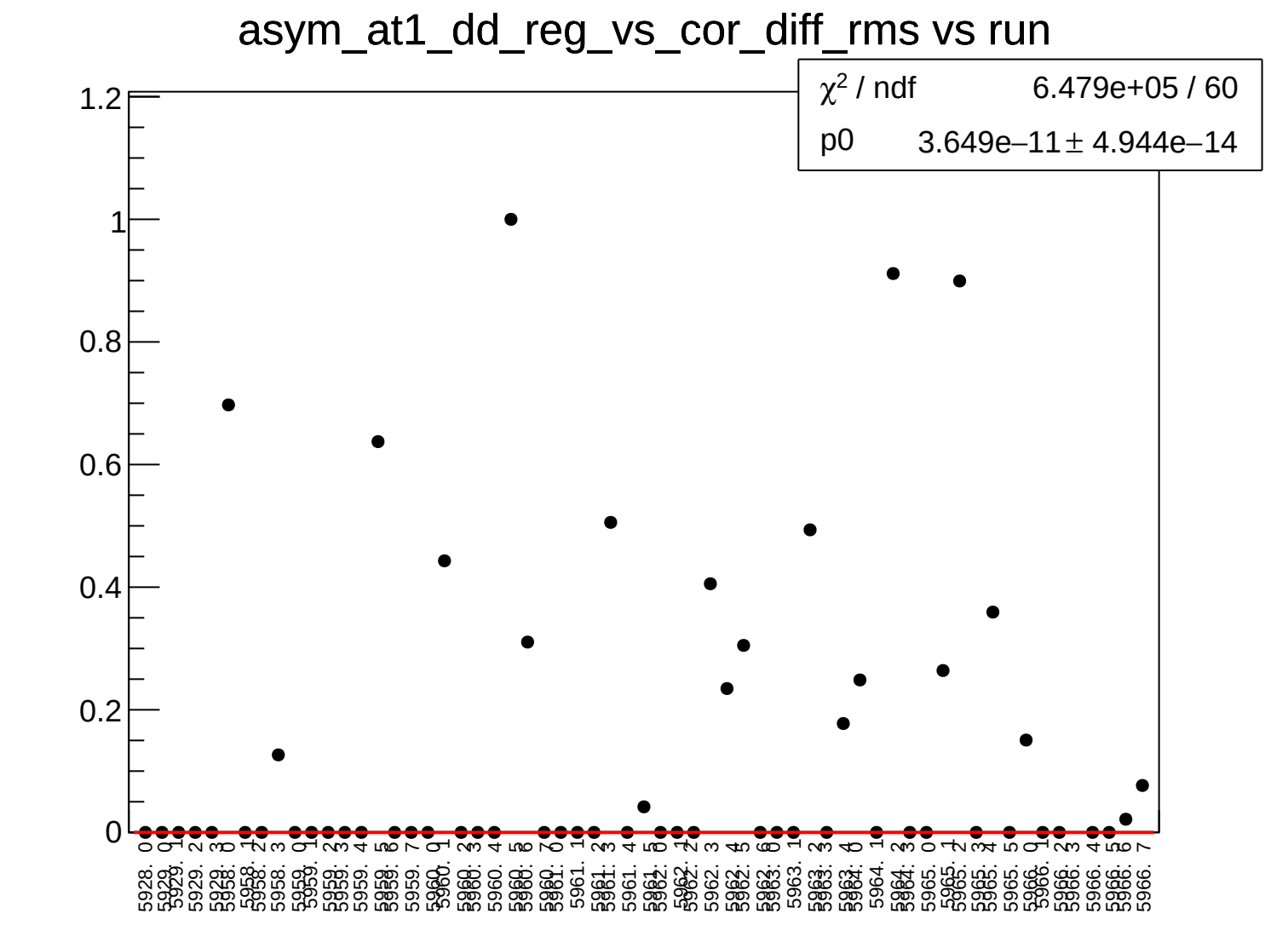

asym_at1_dd_mean vs run
χ² / ndf 54.78 / 60
p0 3600 ± 2583
pull
Entries 61
Mean −145.1
Std Dev 0

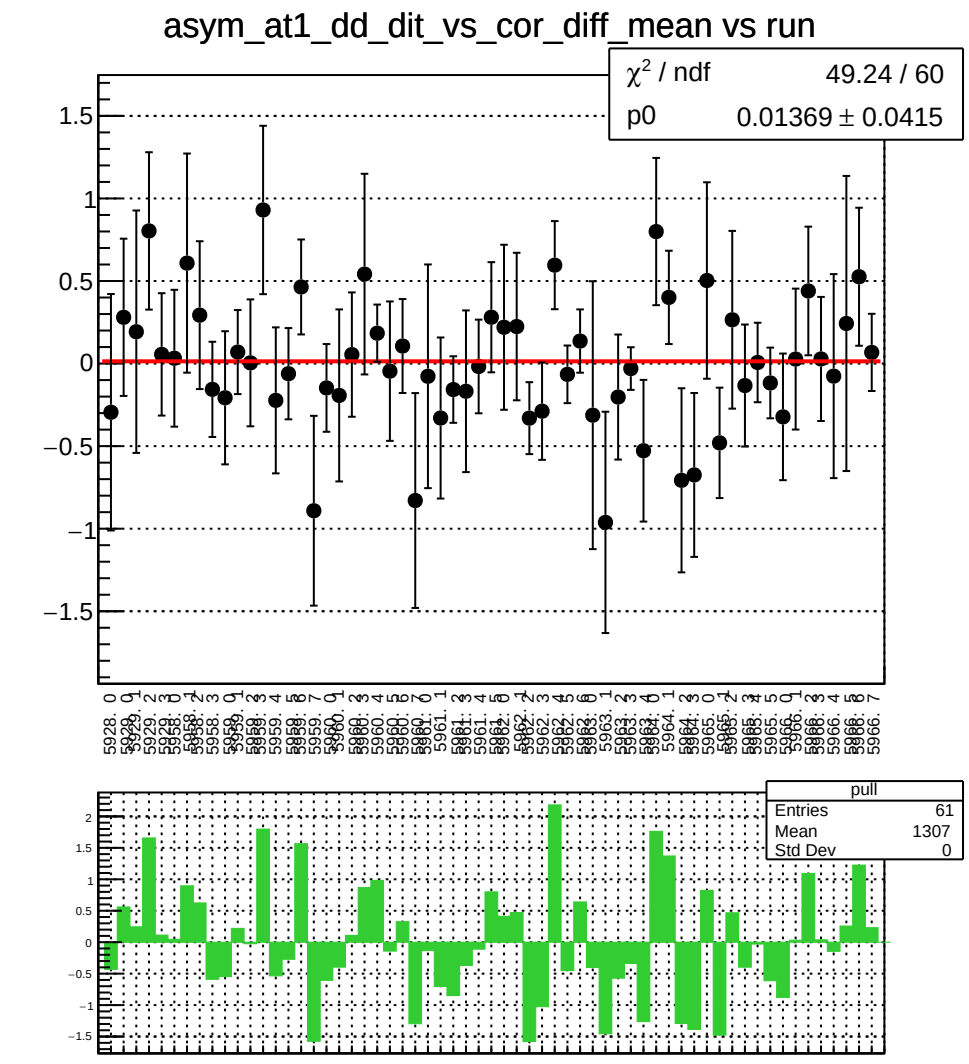

pull1D
Entries 61
Mean −0.02044
Std Dev 0.9475

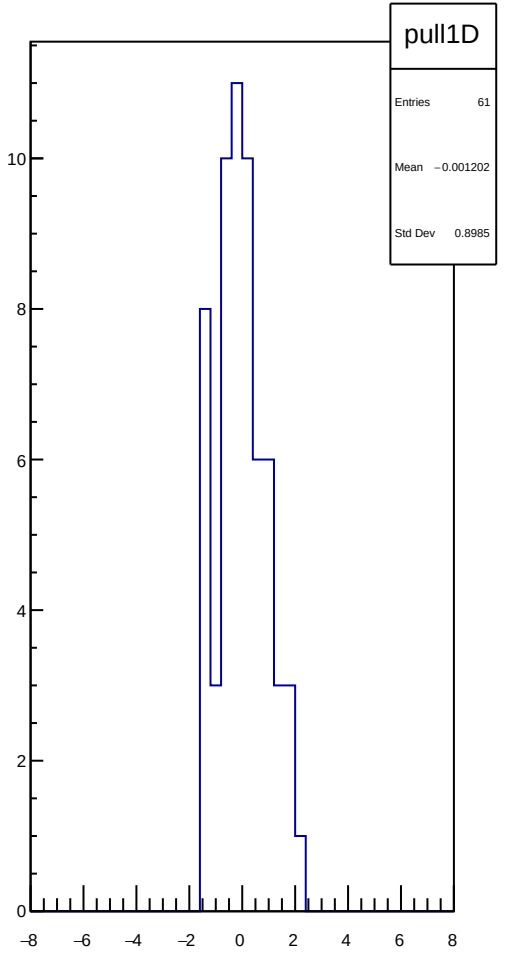

asym_at1_dd_rms vs run
χ² / ndf 463 / 60
p0 1995 ± 1.827
2150
2100
2050
2000
1950
1900

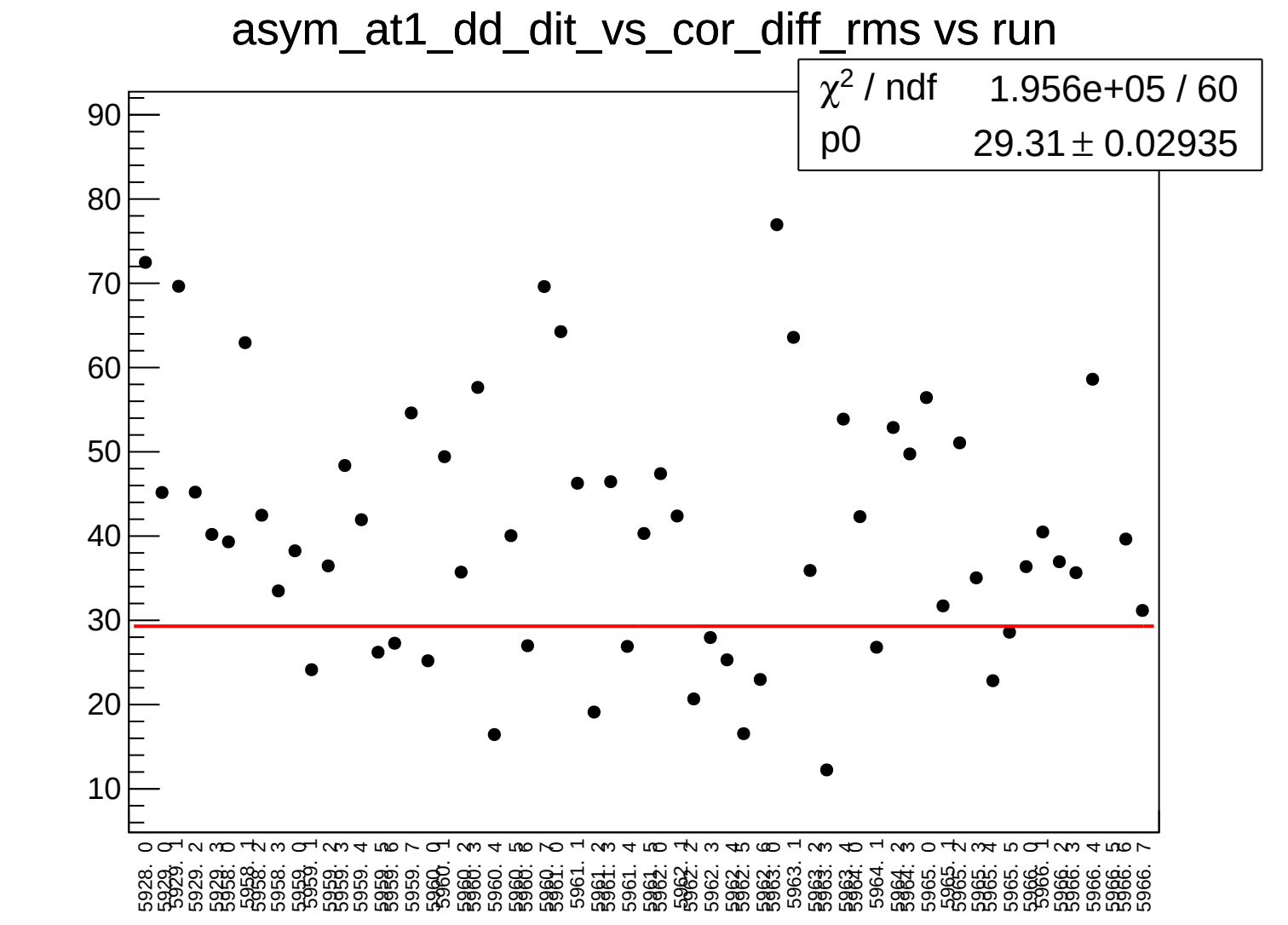

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.66 / 60
p0 −1.059e−13 ± 6.991e−14
pull
Entries 61
Mean 34.92
Std Dev 24.8

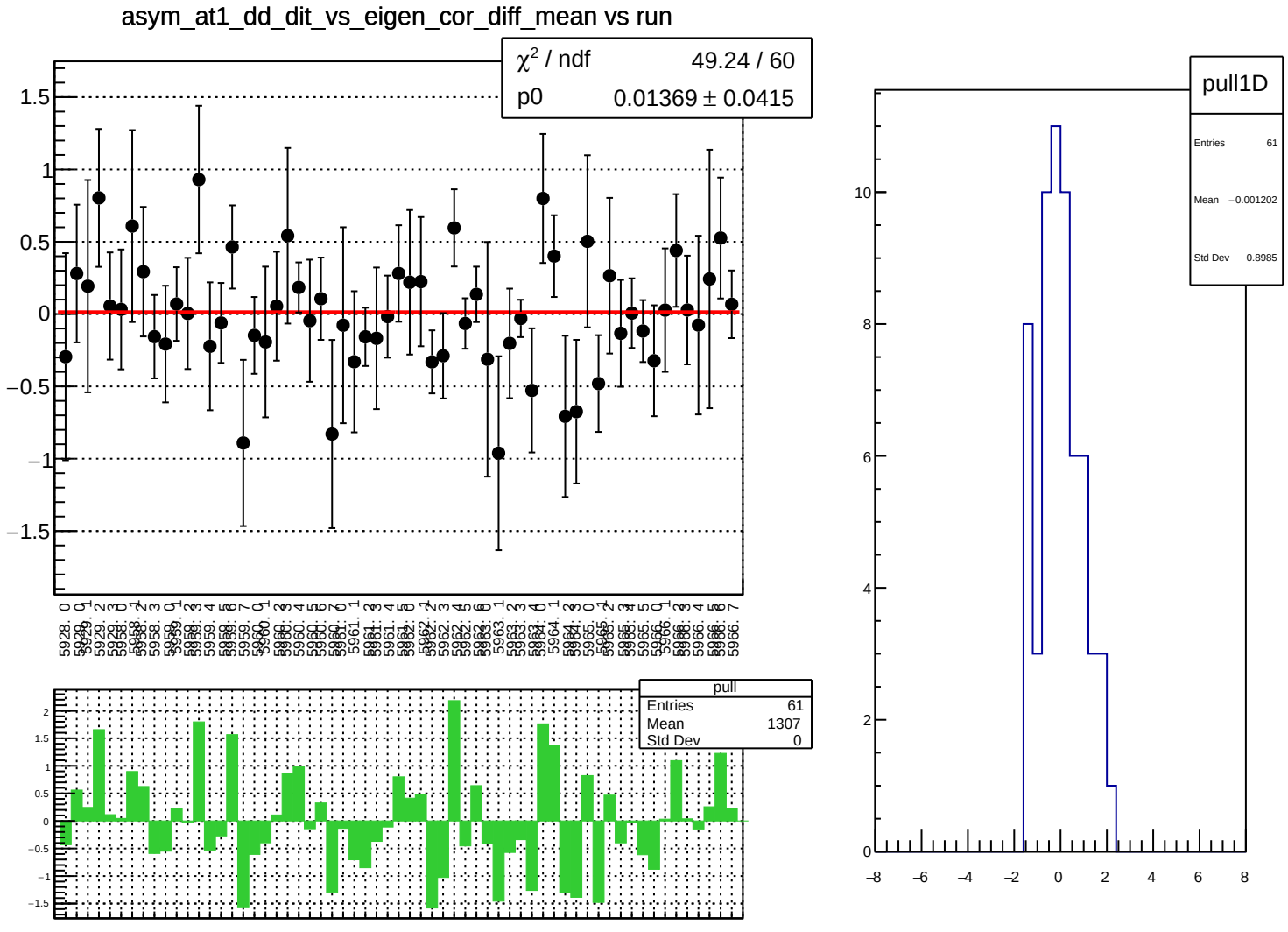

pull1D
Entries 61
Mean 0.1937
Std Dev 0.9087

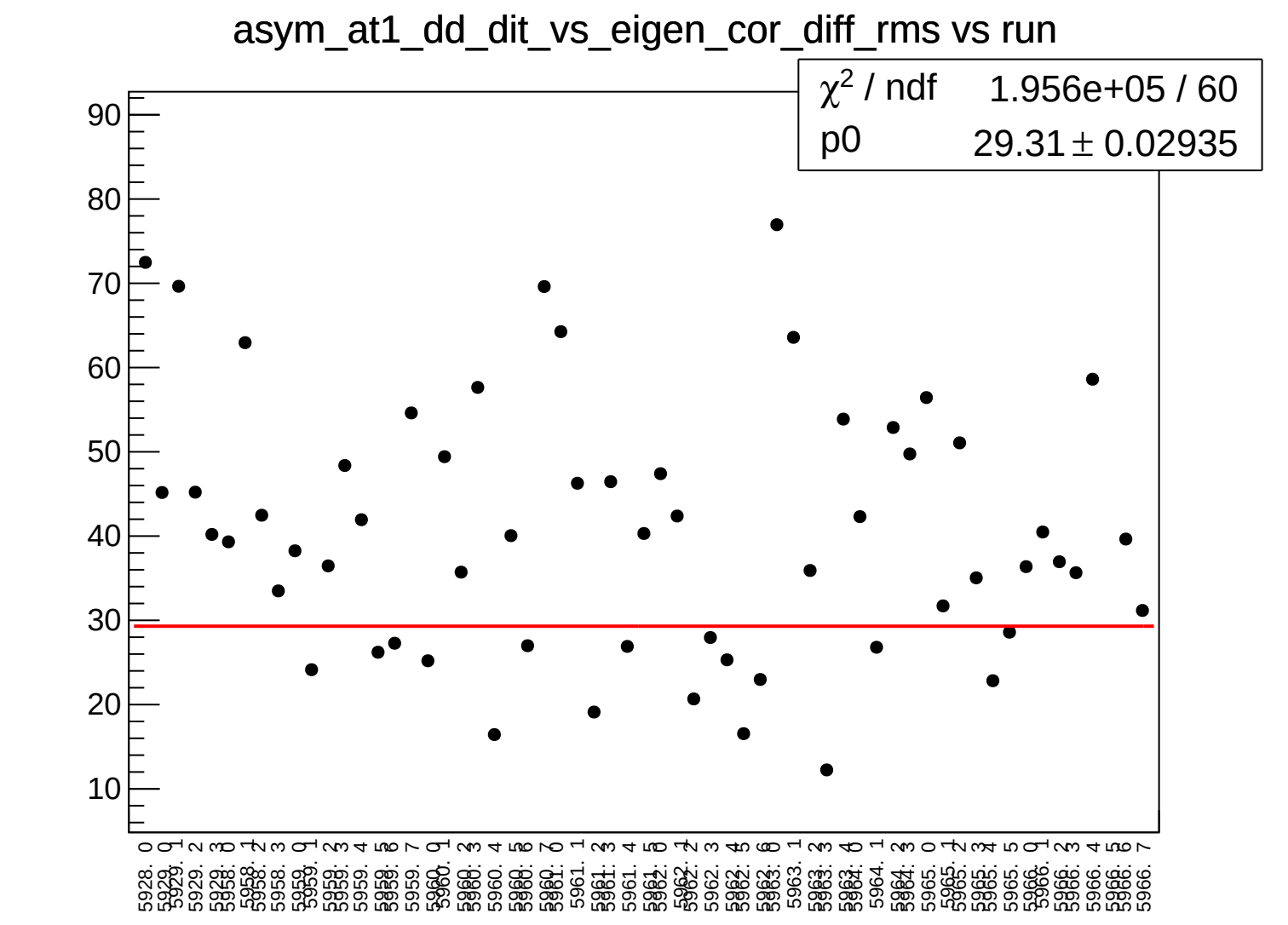

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.479e+05 / 60
p0 3.649e−11 ± 4.944e−14
1.2
1
0.8
0.6
0.4
0.2
0

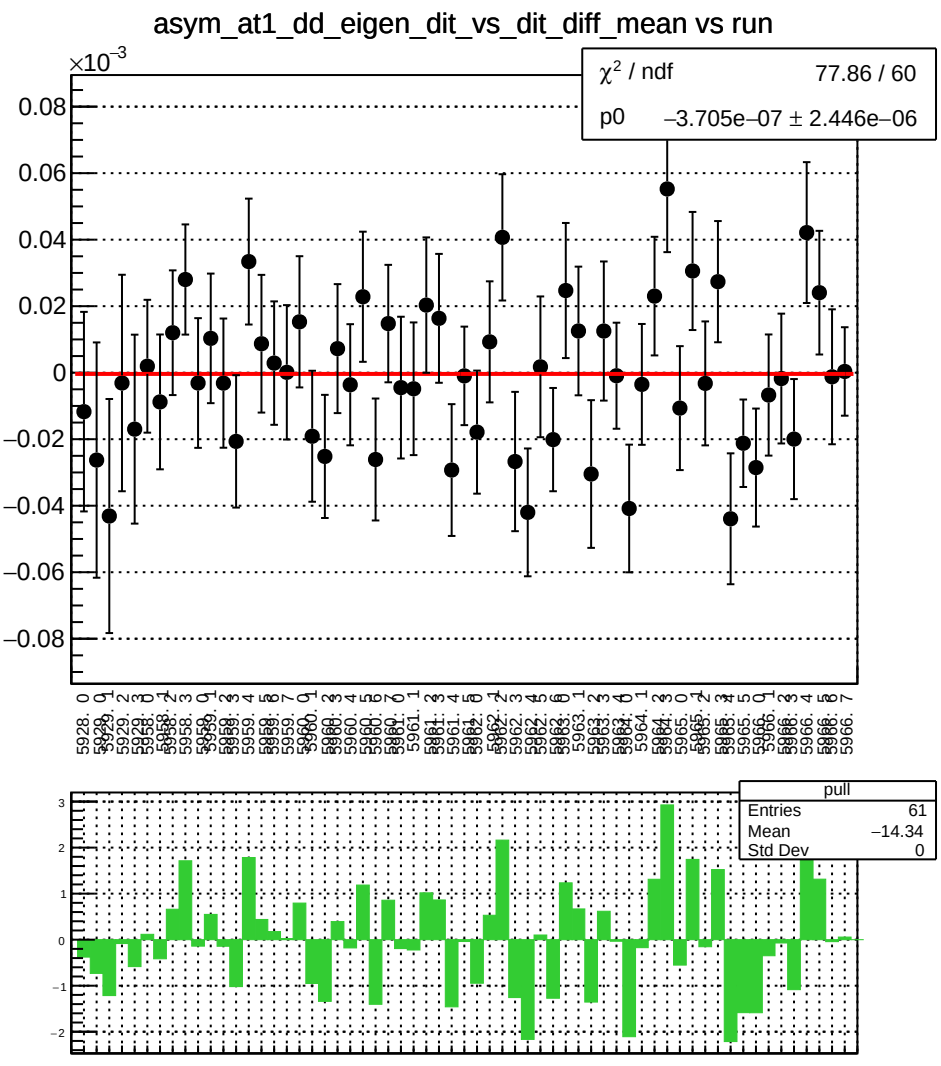

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.24 / 60
p0 0.01369 ± 0.0415
pull
Entries 61
Mean 1307
Std Dev 0

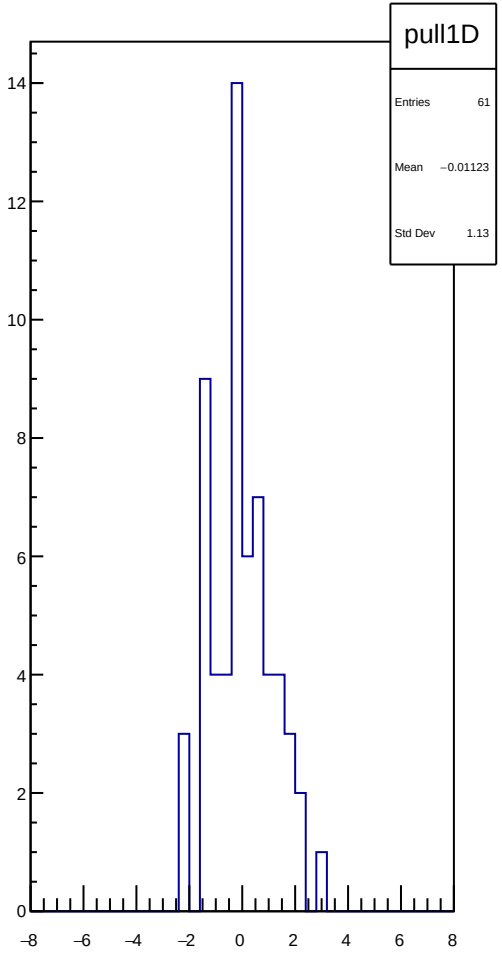

pull1D
Entries 61
Mean −0.001202
Std Dev 0.8985

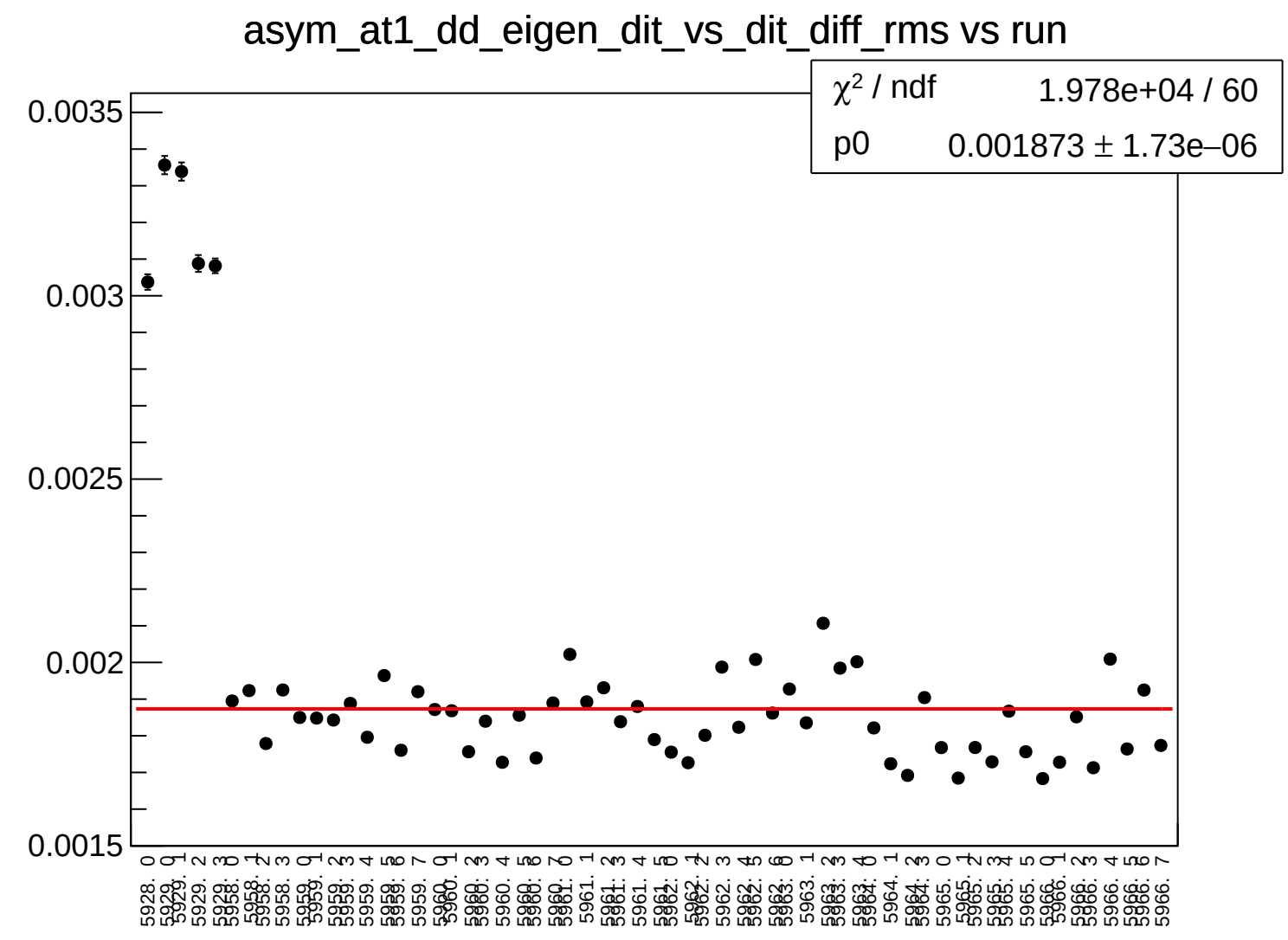

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.956e+05 / 60
p0 29.31 ± 0.02935
90
80
70
60
50
40
30
20
10

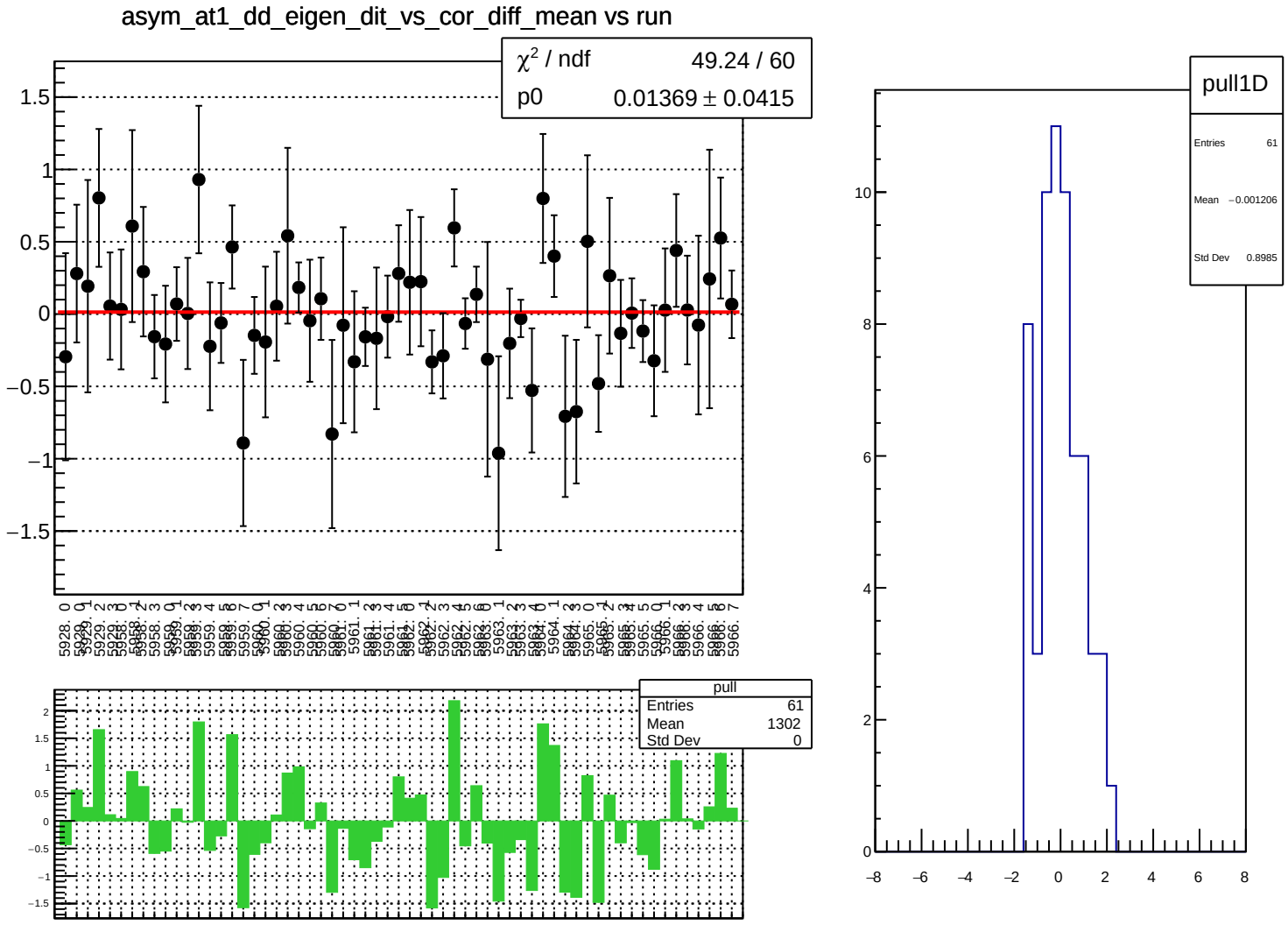

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.24 / 60
p0 0.01369 ± 0.0415
pull
Entries 61
Mean 1307
Std Dev 0
pull1D
Entries 61
Mean −0.001202
Std Dev 0.8985

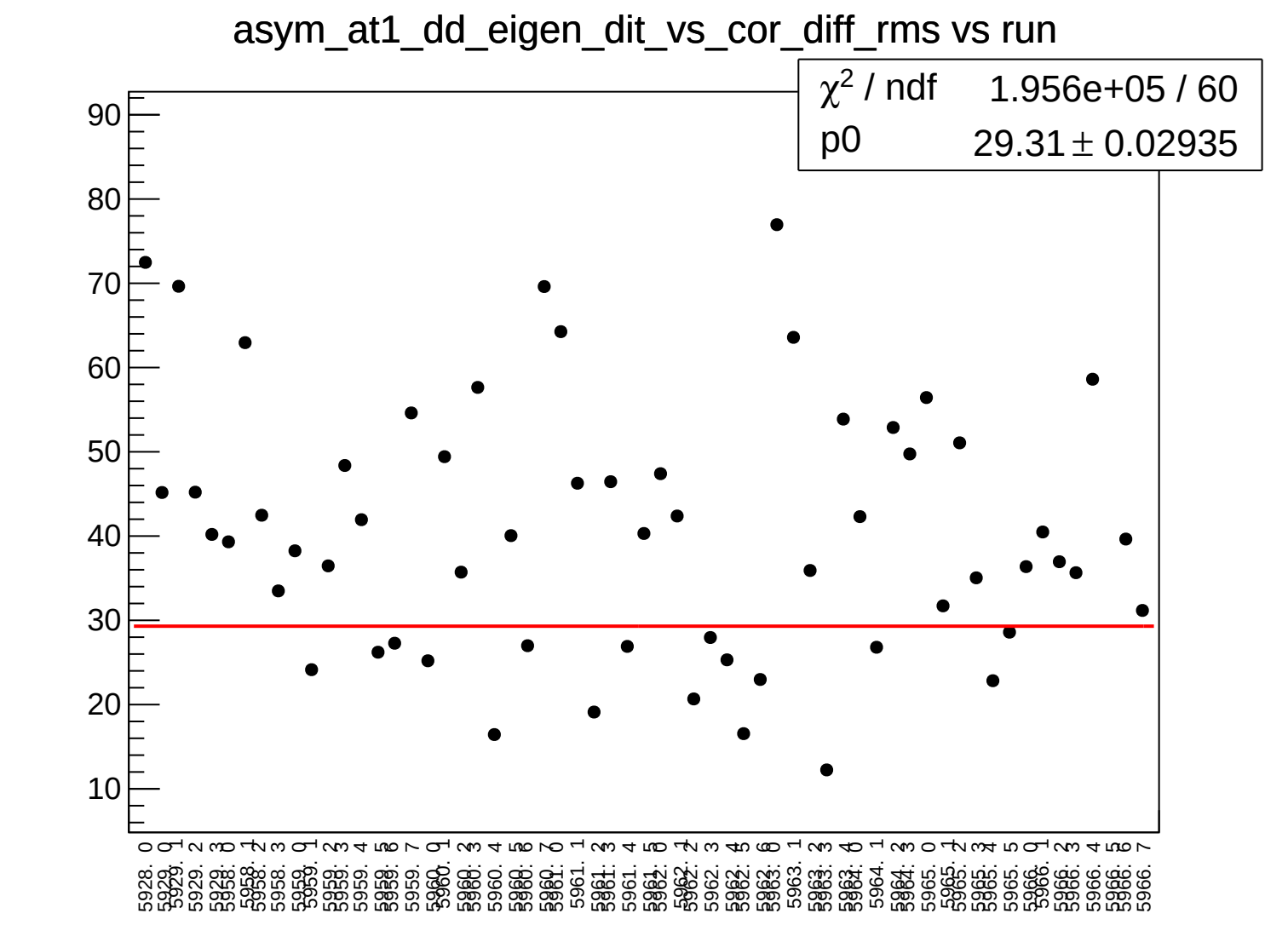

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.956e+05 / 60
p0 29.31 ± 0.02935
90
80
70
60
50
40
30
20
10

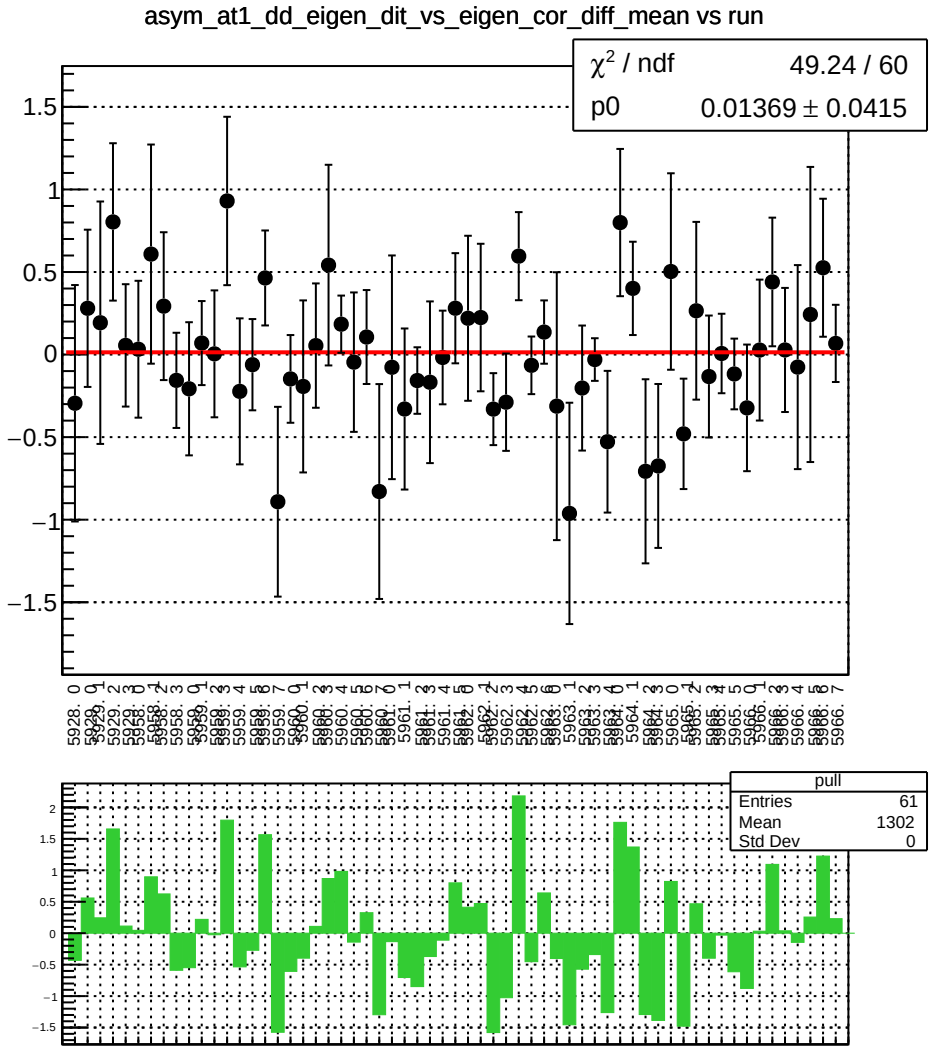

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 77.86 / 60
p0 −3.705e−07 ± 2.446e−06
pull
Entries 61
Mean −14.34
Std Dev 0

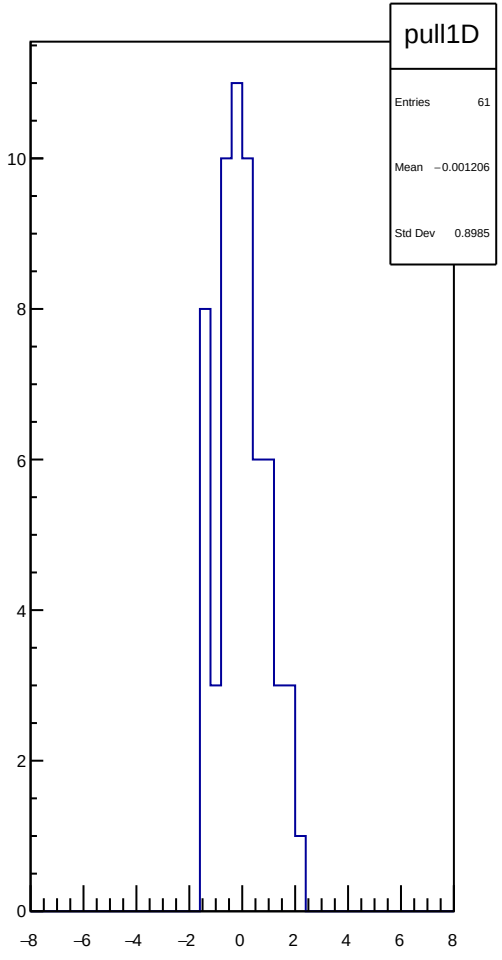

pull1D
Entries 61
Mean −0.01123
Std Dev 1.13

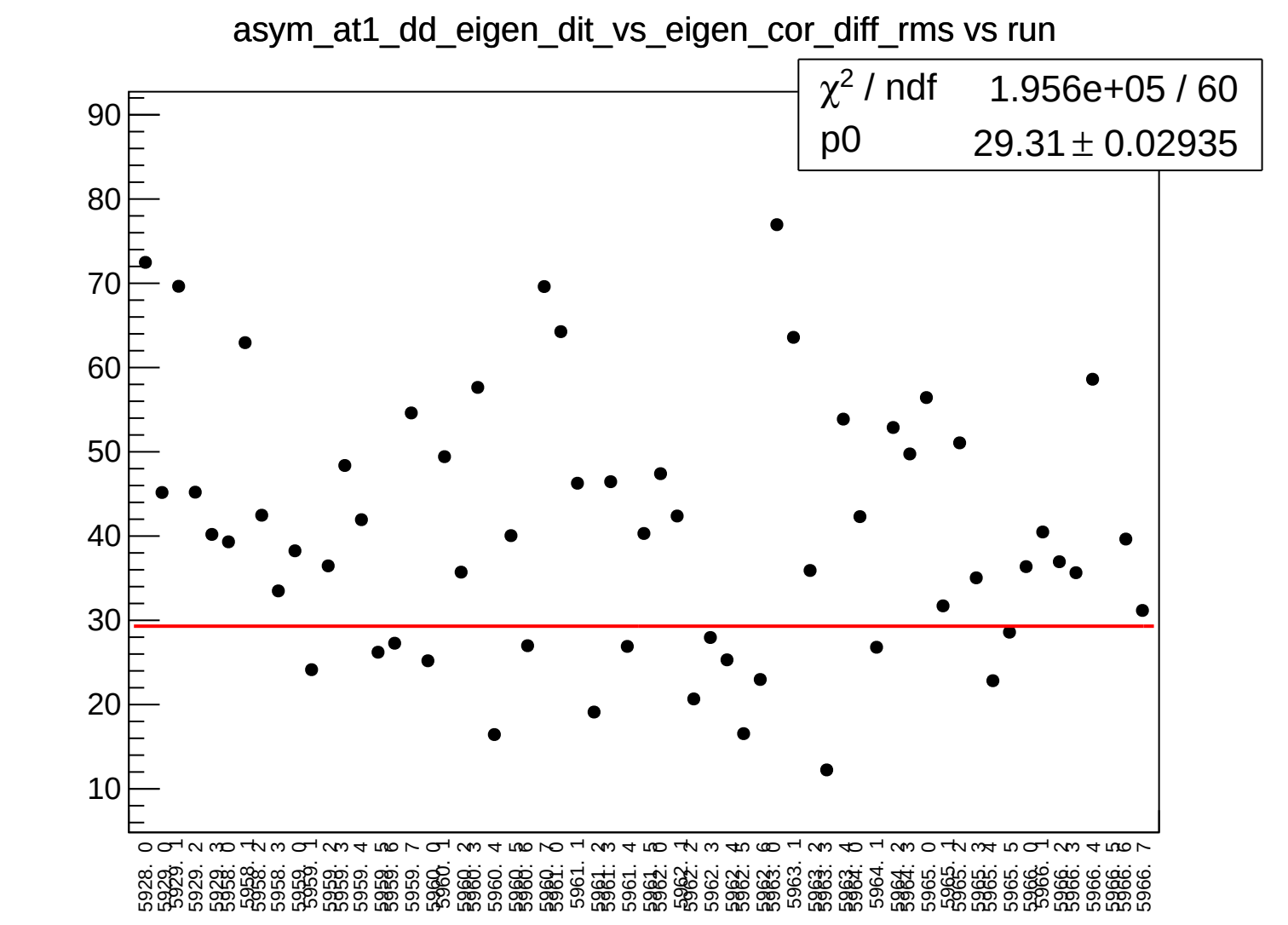

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.978e+04 / 60
p0 0.001873 ± 1.73e−06
0.0035
0.003
0.0025
0.002
0.0015

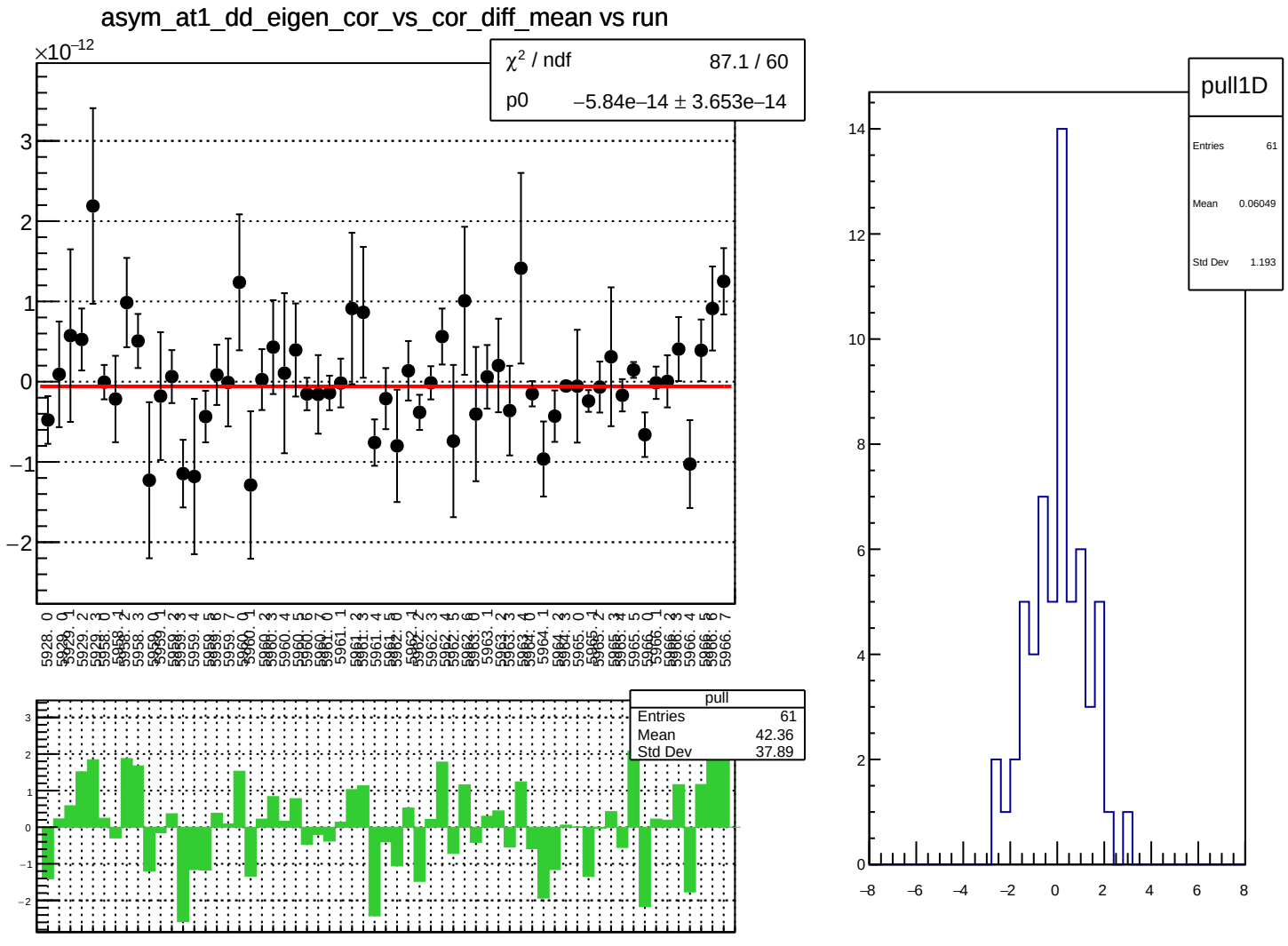

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.24 / 60
p0 0.01369 ± 0.0415
pull
Entries 61
Mean 1302
Std Dev 0
pull1D
Entries 61
Mean −0.001206
Std Dev 0.8985

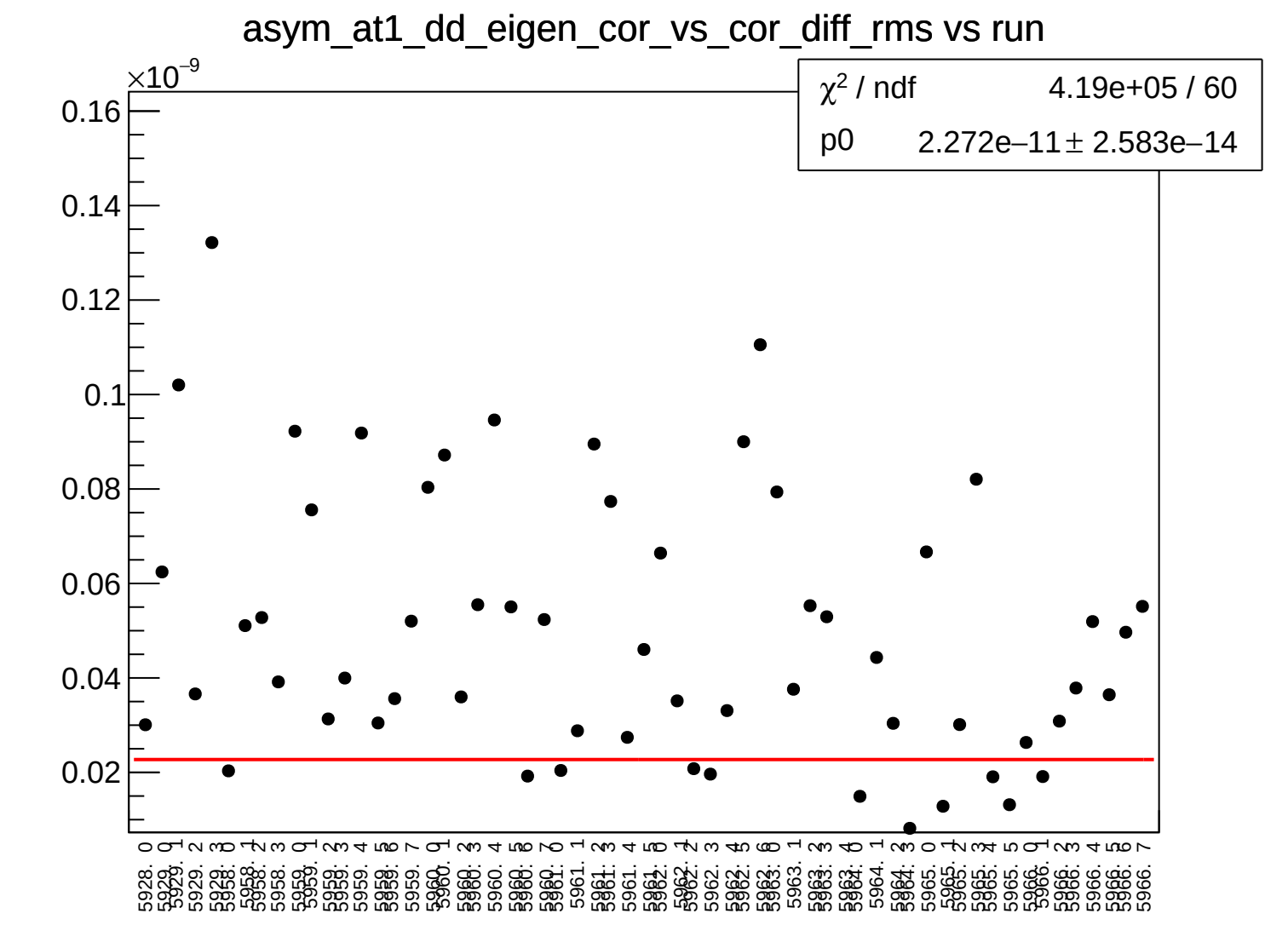

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.956e+05 / 60
p0 29.31 ± 0.02935
90
80
70
60
50
40
30
20
10

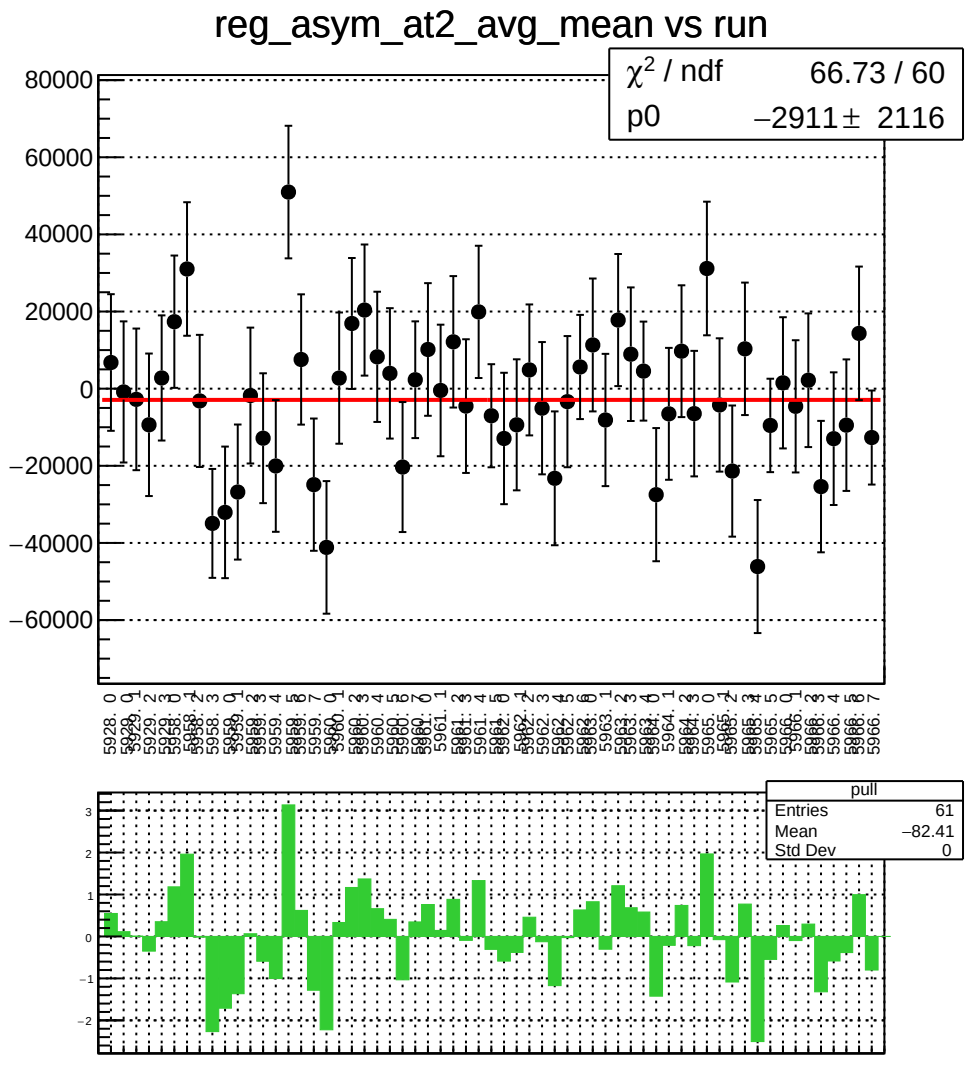

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.24 / 60
p0 0.01369 ± 0.0415
pull
Entries 61
Mean 1302
Std Dev 0

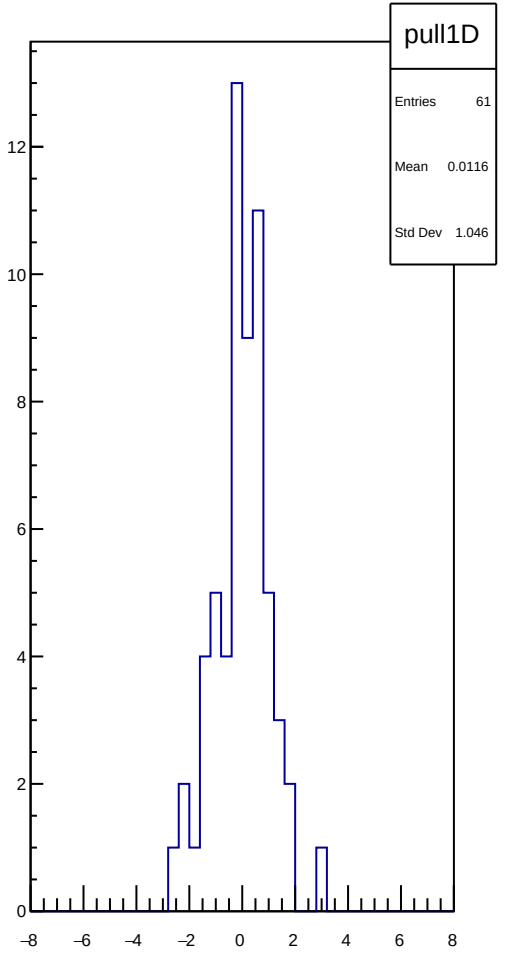

pull1D
Entries 61
Mean −0.001206
Std Dev 0.8985

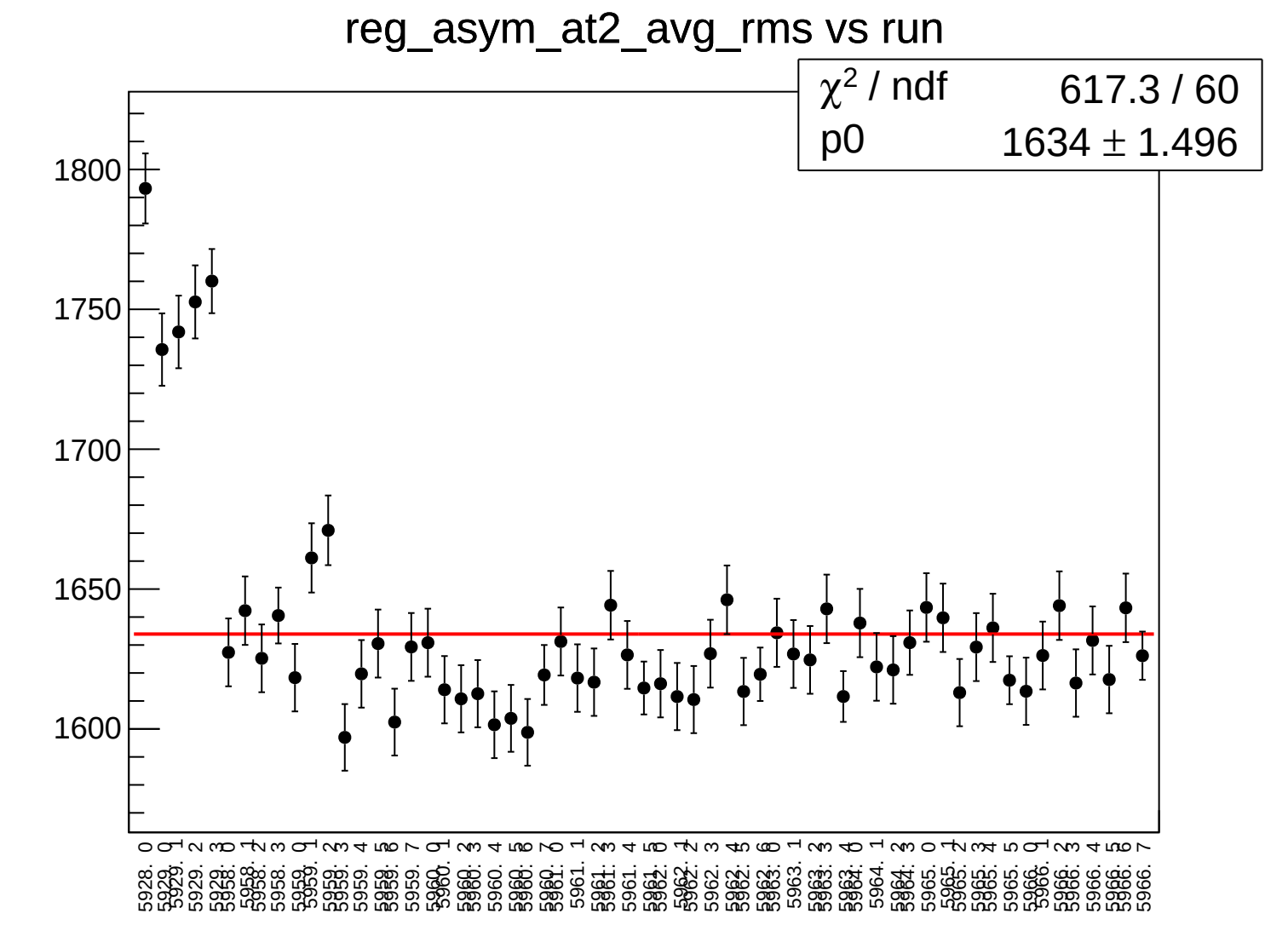

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.956e+05 / 60
p0 29.31 ± 0.02935
90
80
70
60
50
40
30
20
10

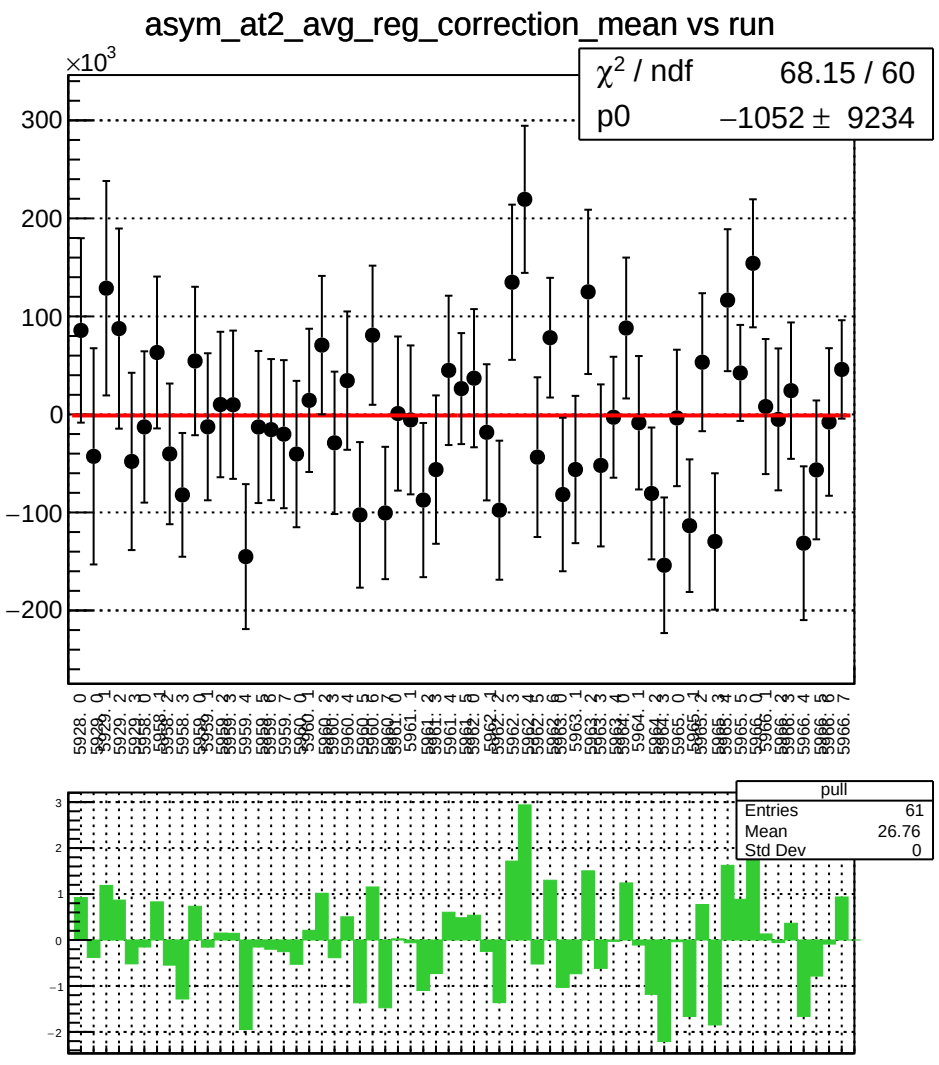

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.1 / 60
p0 −5.84e−14 ± 3.653e−14
pull
Entries 61
Mean 42.36
Std Dev 37.89
pull1D
Entries 61
Mean 0.06049
Std Dev 1.193

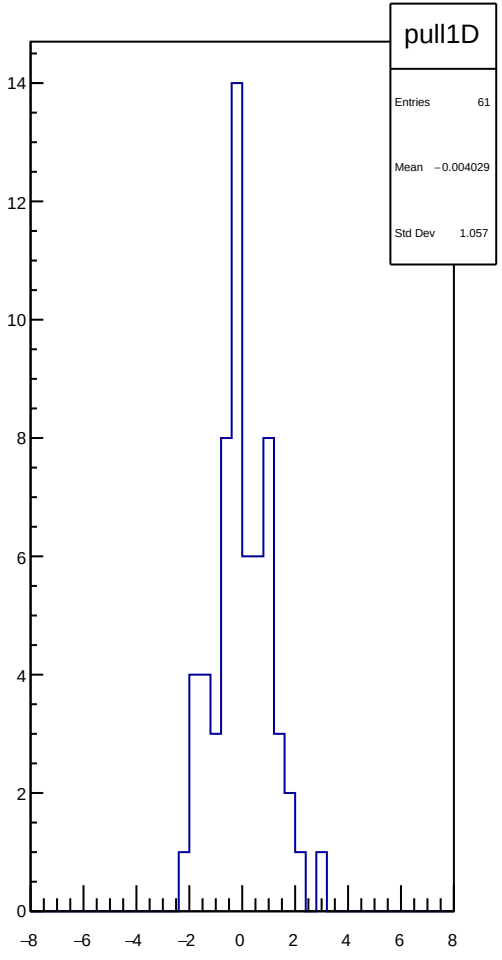

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.19e+05 / 60
p0 2.272e−11 ± 2.583e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

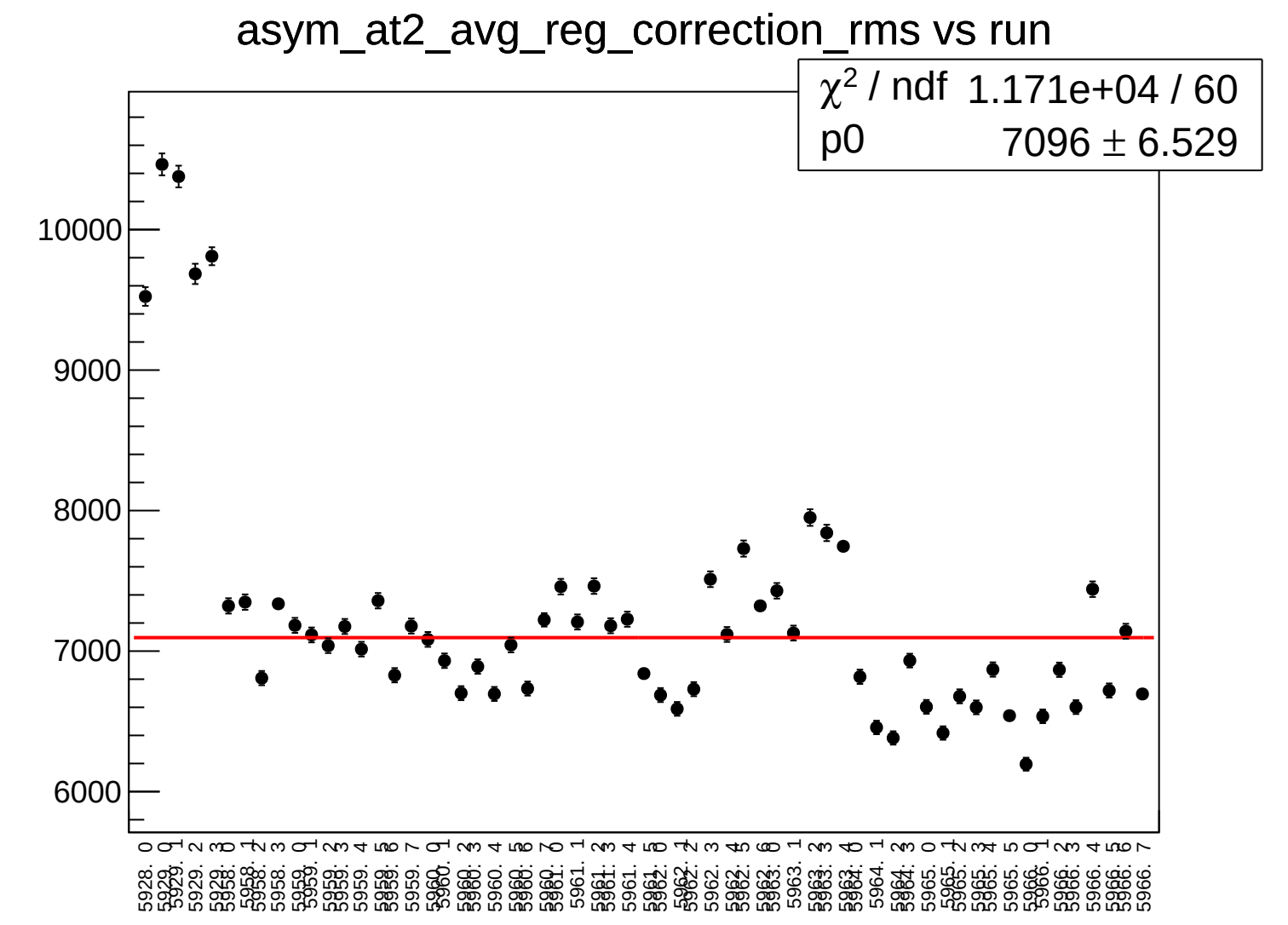

reg_asym_at2_avg_mean vs run
χ² / ndf 66.73 / 60
p0 −2911 ± 2116
pull
Entries 61
Mean −82.41
Std Dev 0

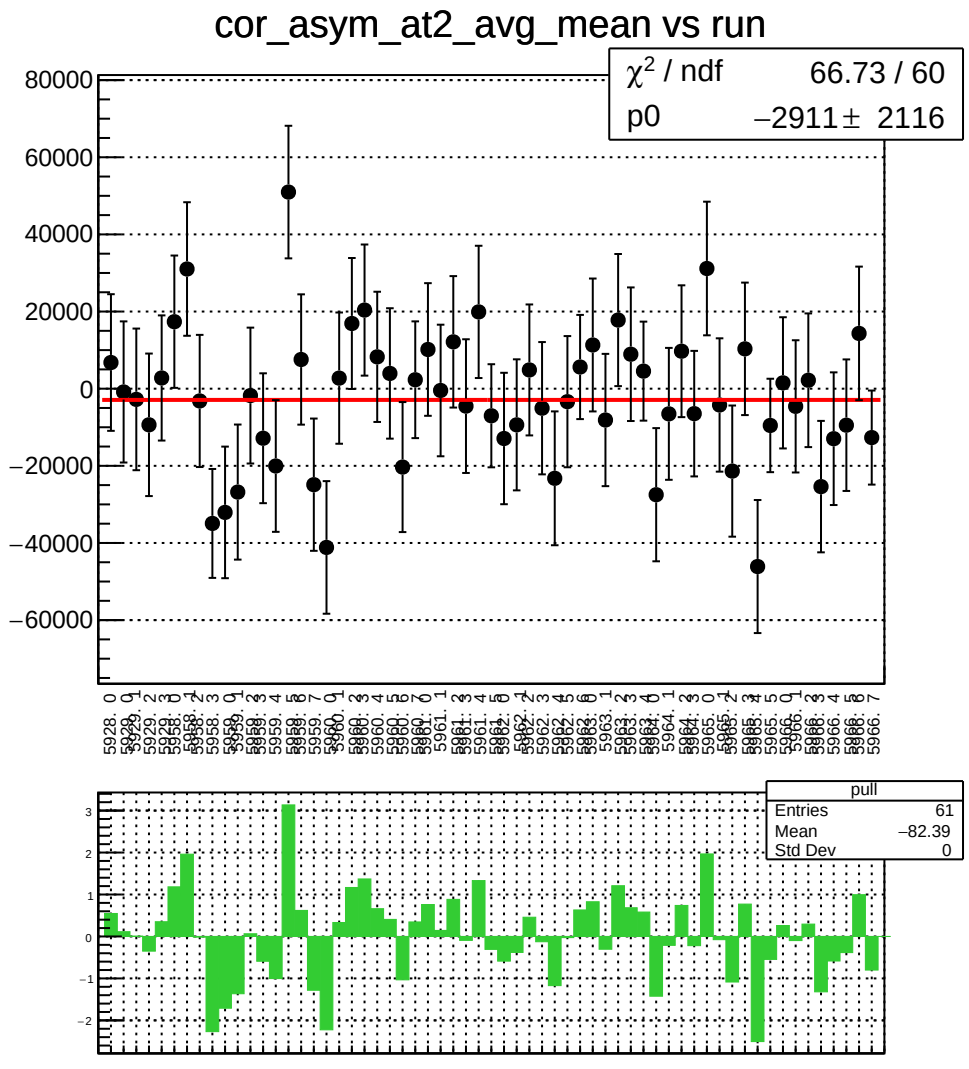

pull1D
Entries 61
Mean 0.0116
Std Dev 1.046

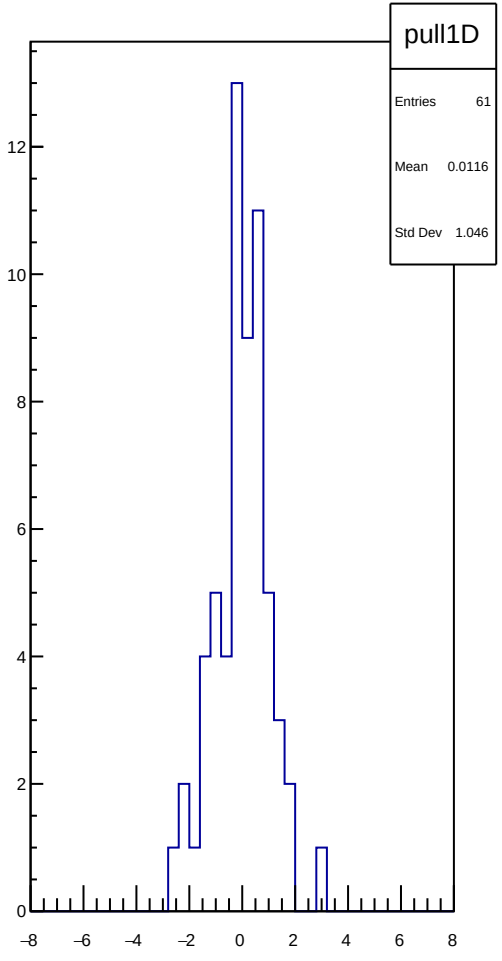

reg_asym_at2_avg_rms vs run
χ² / ndf 617.3 / 60
p0 1634 ± 1.496
1800
1750
1700
1650
1600

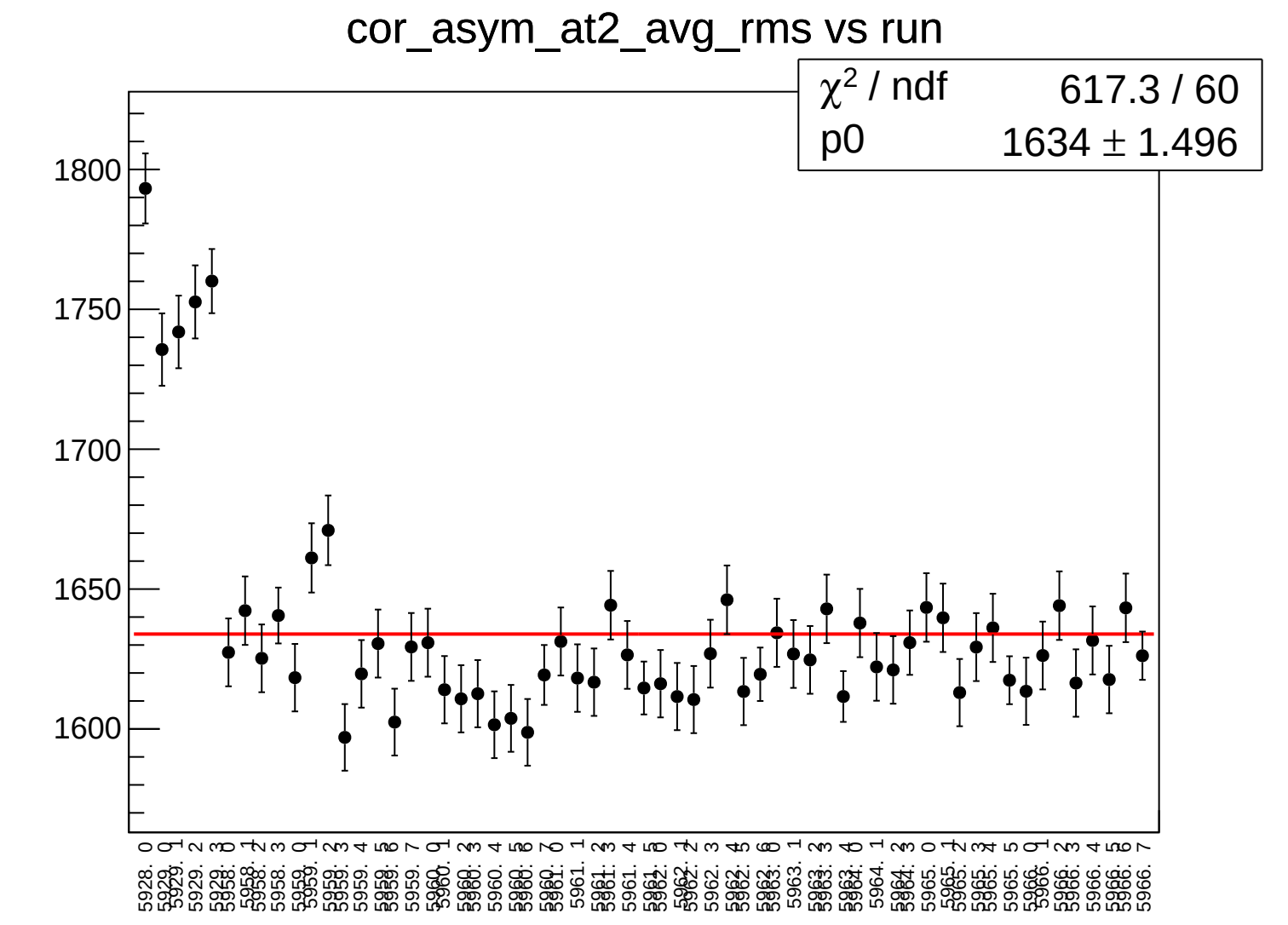

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 68.15 / 60
p0 −1052 ± 9234
pull
Entries 61
Mean 26.76
Std Dev 0

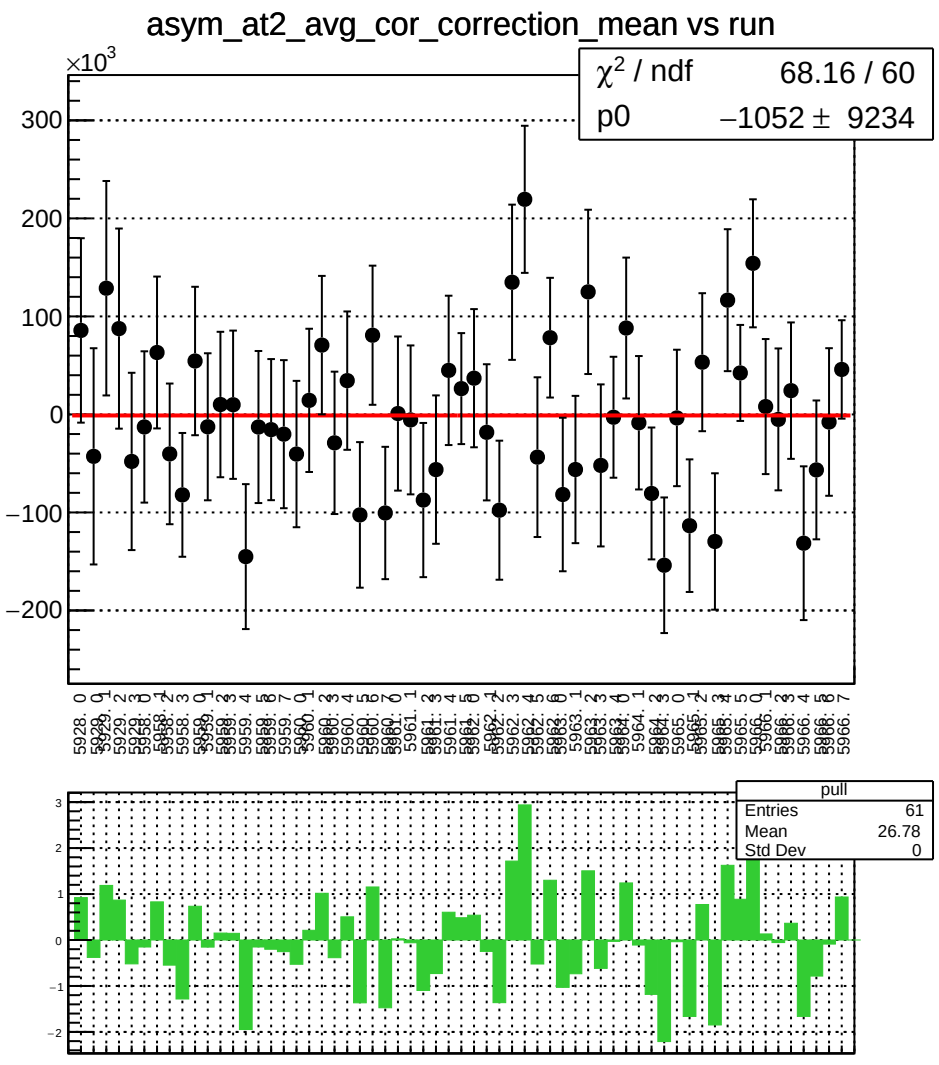

pull1D
Entries 61
Mean −0.004029
Std Dev 1.057

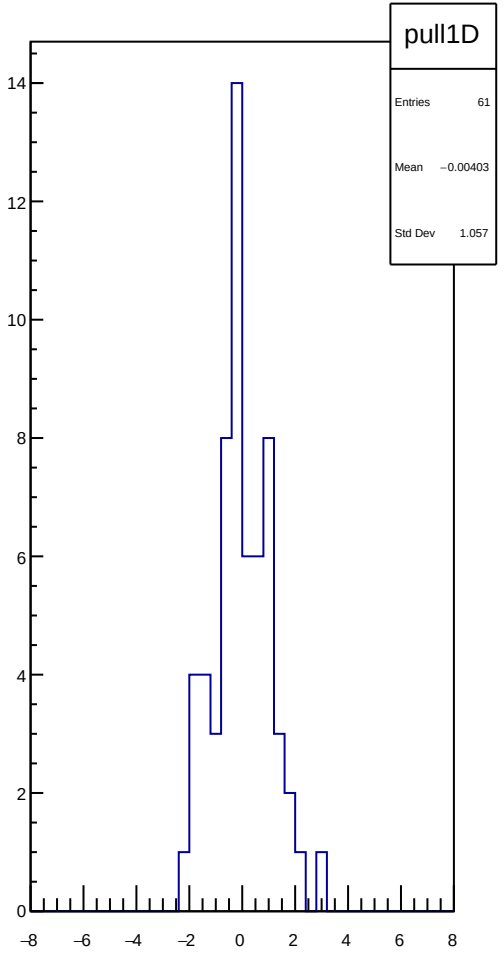

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1.171e+04 / 60
p0 7096 ± 6.529
10000
9000
8000
7000
6000

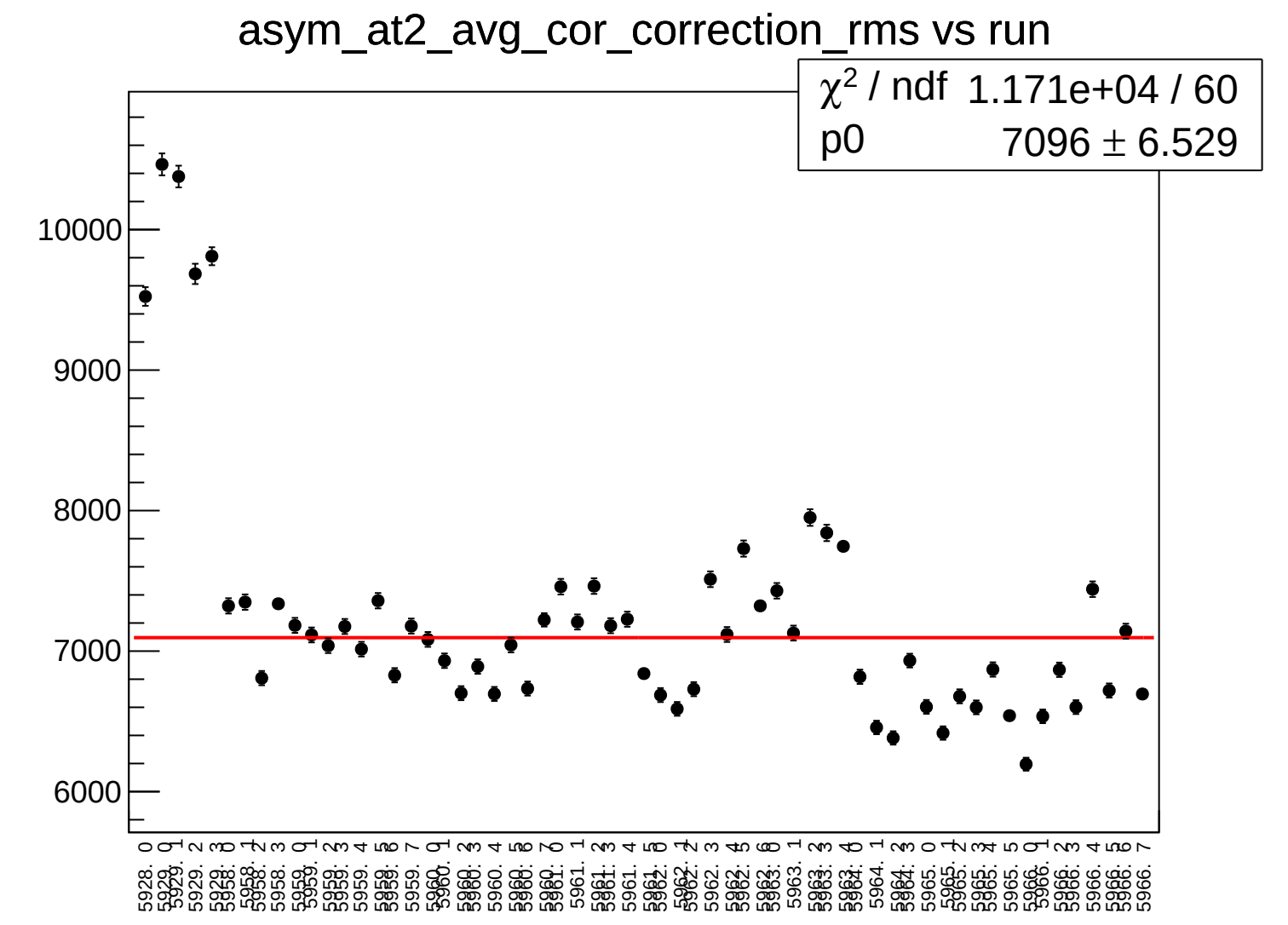

cor_asym_at2_avg_mean vs run
χ² / ndf 66.73 / 60
p0 −2911 ± 2116
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −82.39
Std Dev 0
3
2
1
0
−1
−2

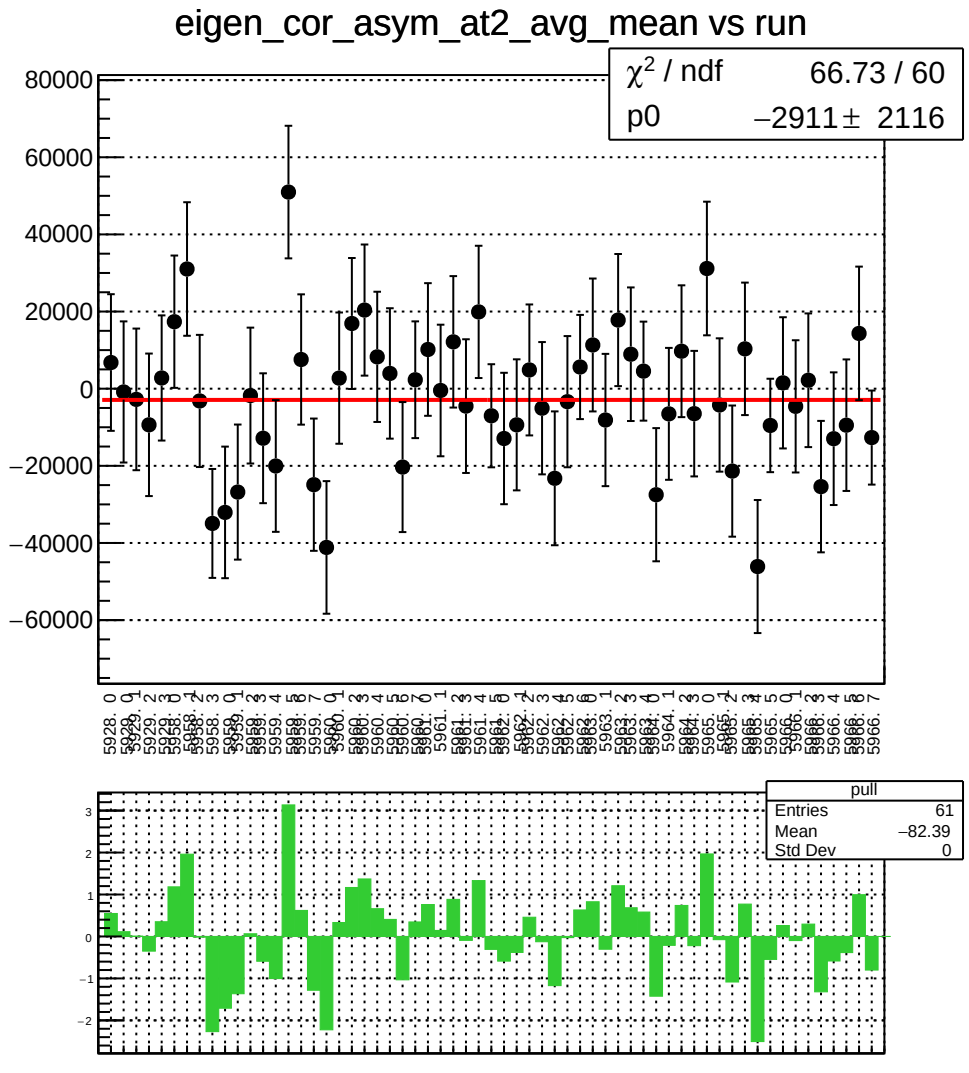

pull1D
Entries 61
Mean 0.0116
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

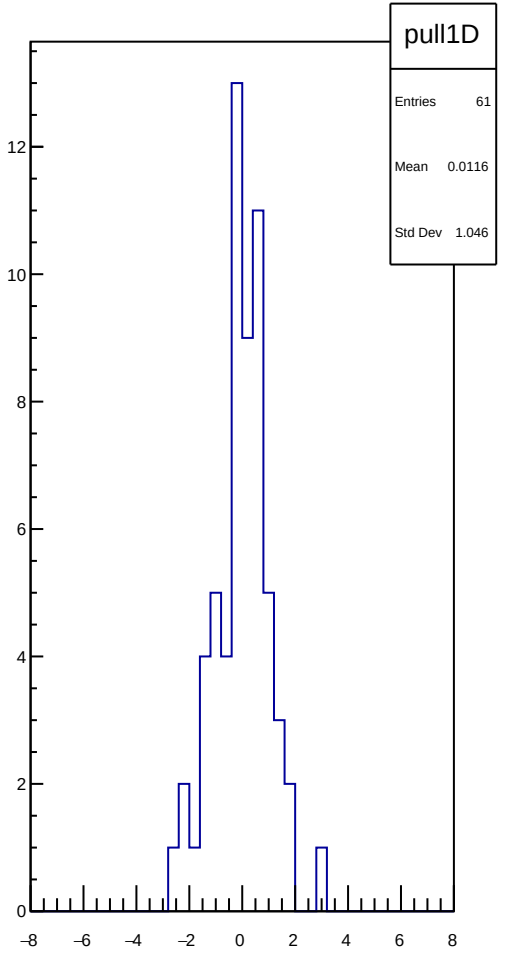

cor_asym_at2_avg_rms vs run
χ^2 / ndf 617.3 / 60
p0 1634 ± 1.496
1800
1750
1700
1650
1600

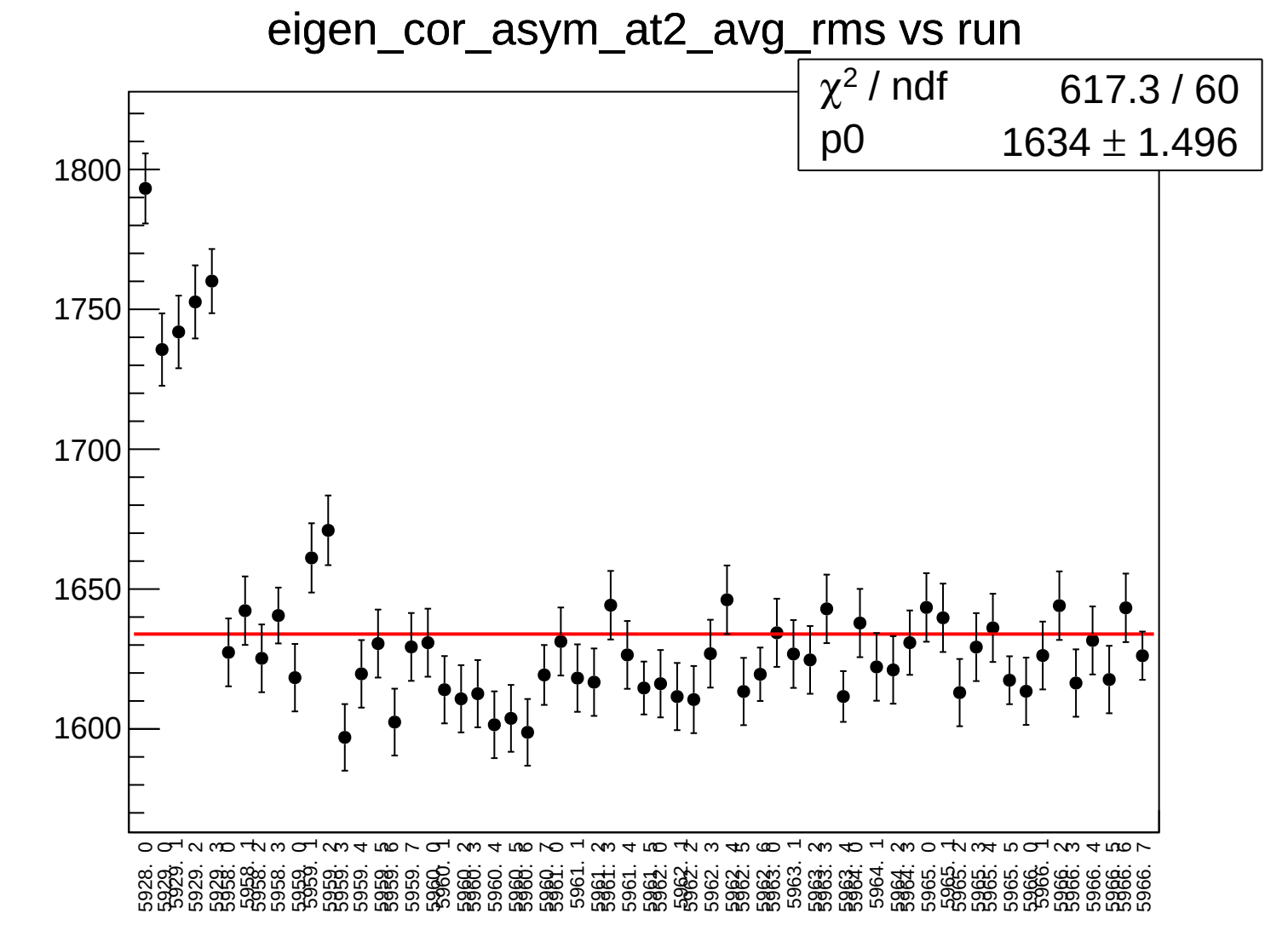

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.16 / 60
p0 −1052 ± 9234
pull
Entries 61
Mean 26.78
Std Dev 0

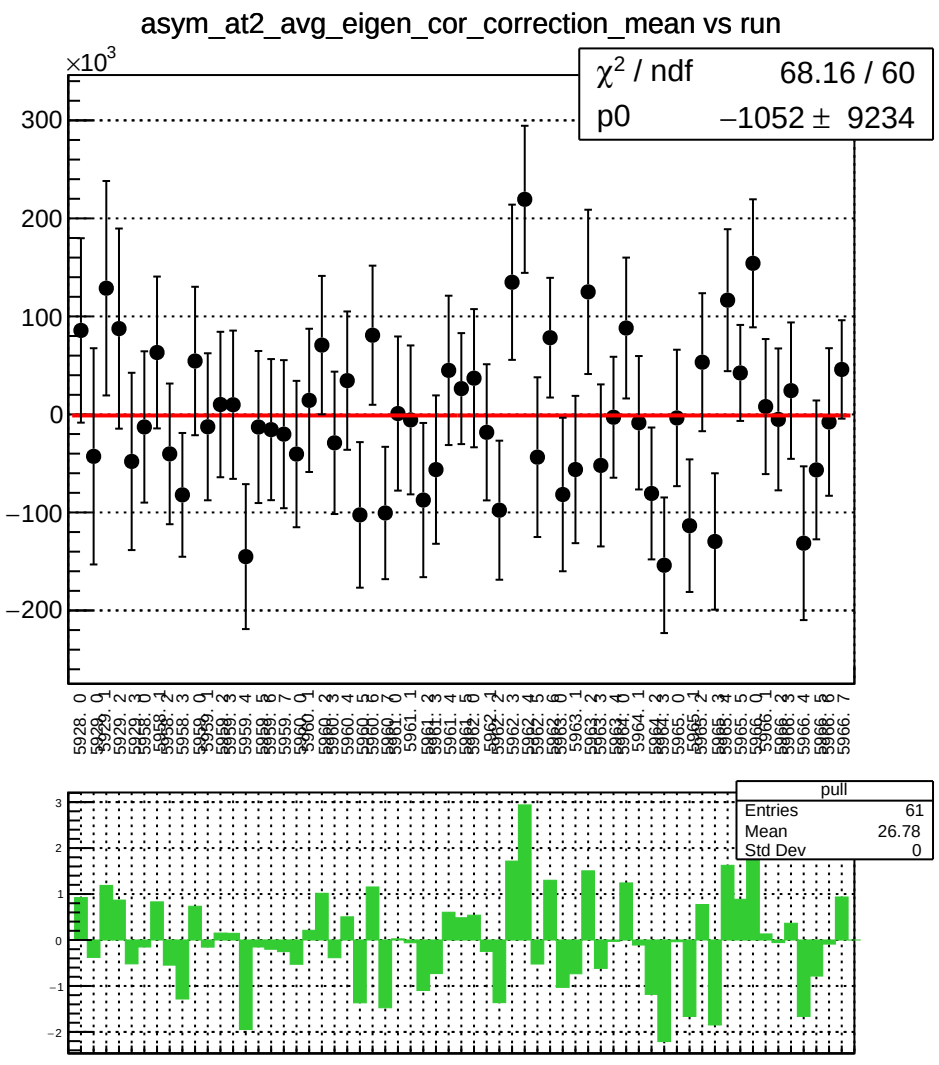

pull1D
Entries 61
Mean −0.00403
Std Dev 1.057

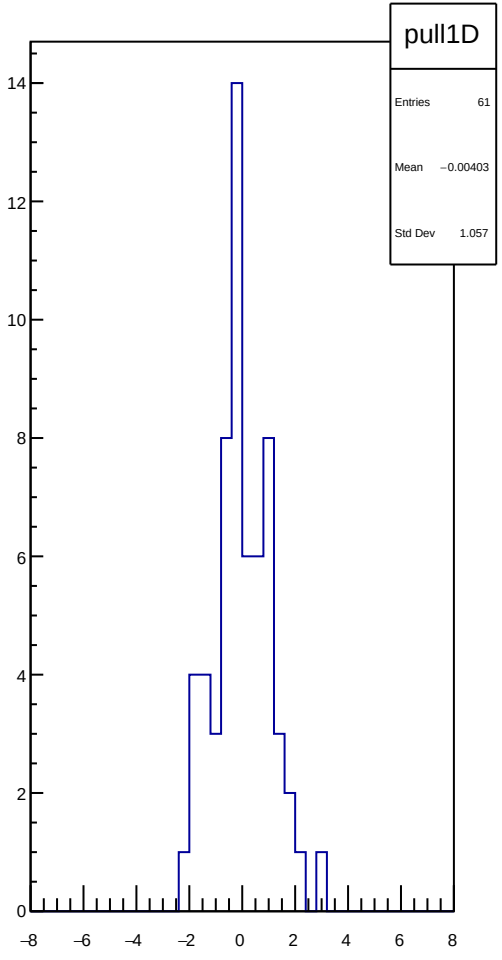

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1.171e+04 / 60
p0 7096 ± 6.529
10000
9000
8000
7000
6000

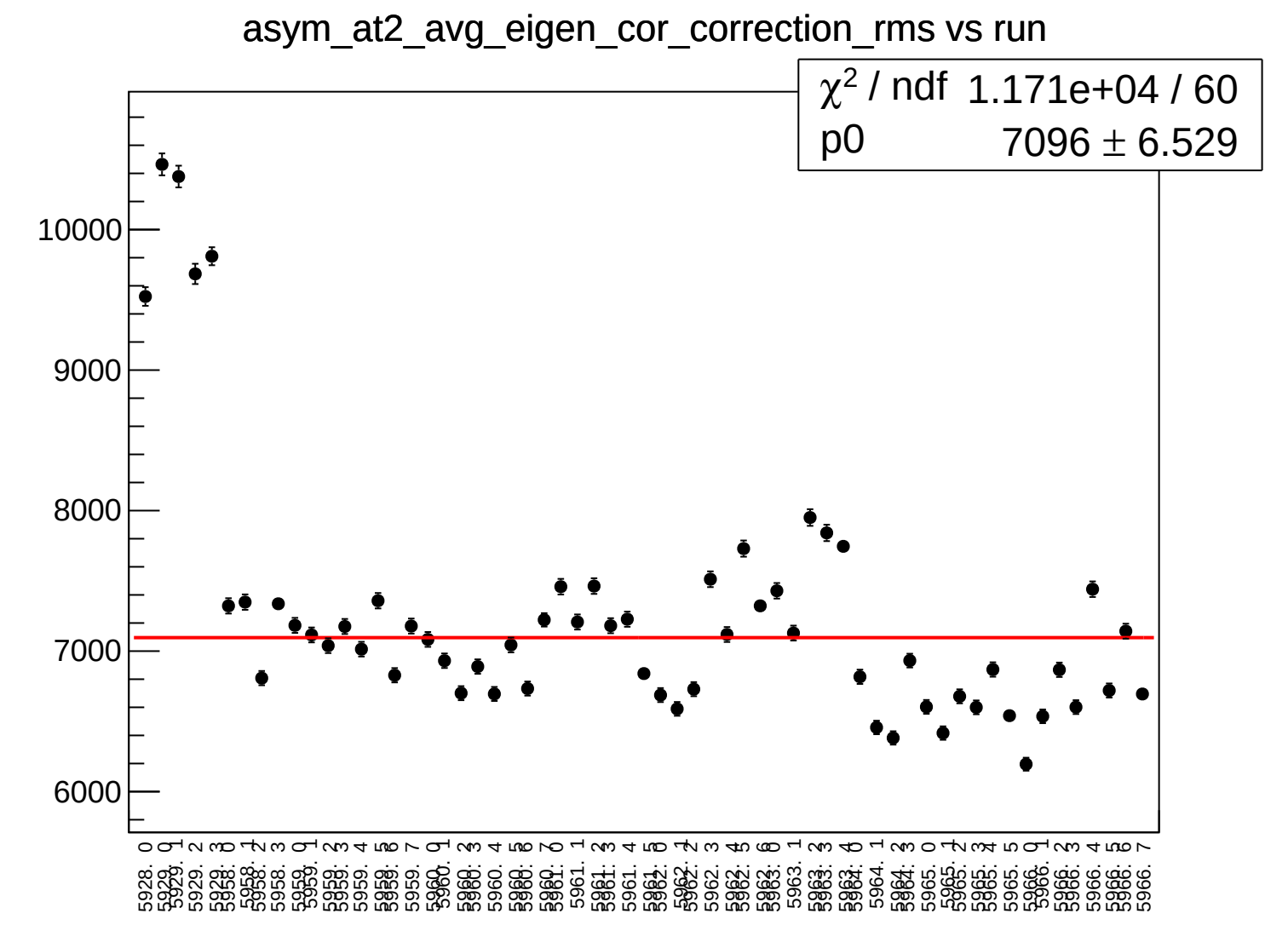

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 66.73 / 60
p0 −2911 ± 2116
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −82.39
Std Dev 0
3
2
1
0
−1
−2

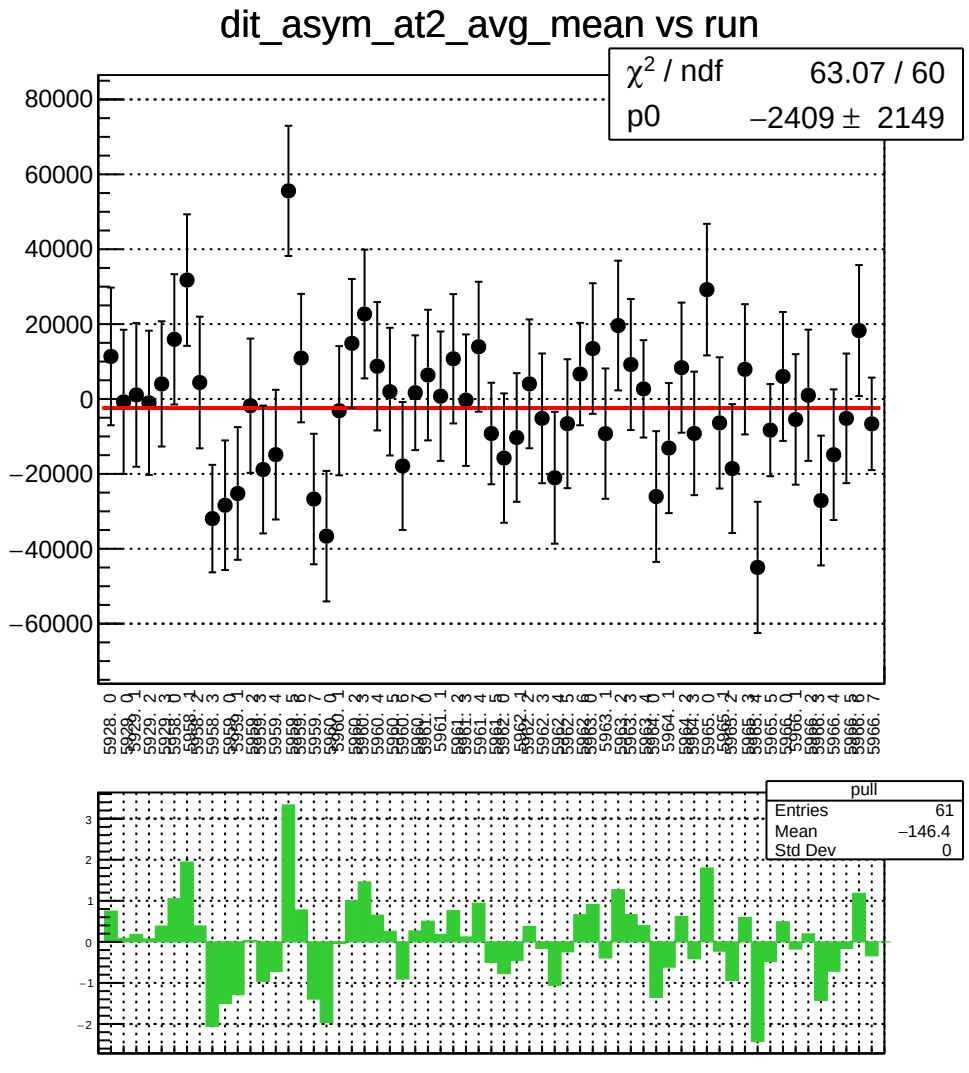

pull1D
Entries 61
Mean 0.0116
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

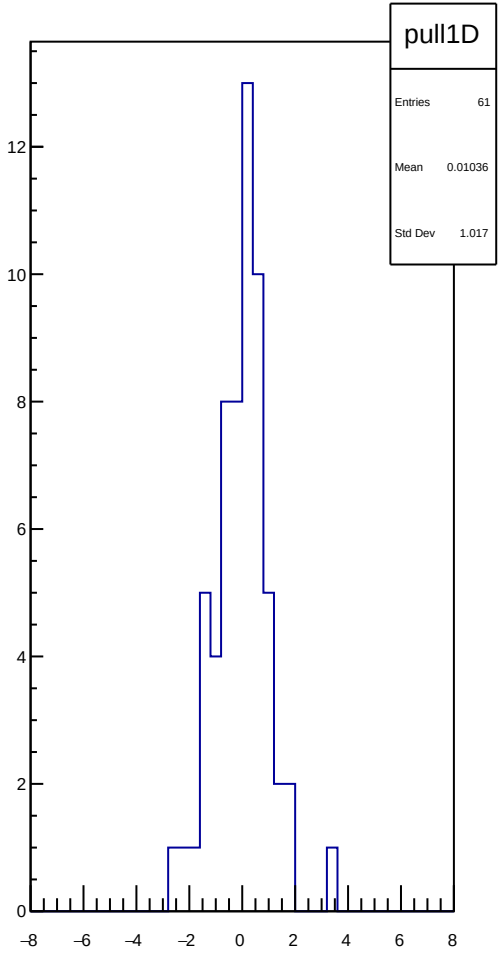

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 617.3 / 60
p0 1634 ± 1.496
1800
1750
1700
1650
1600

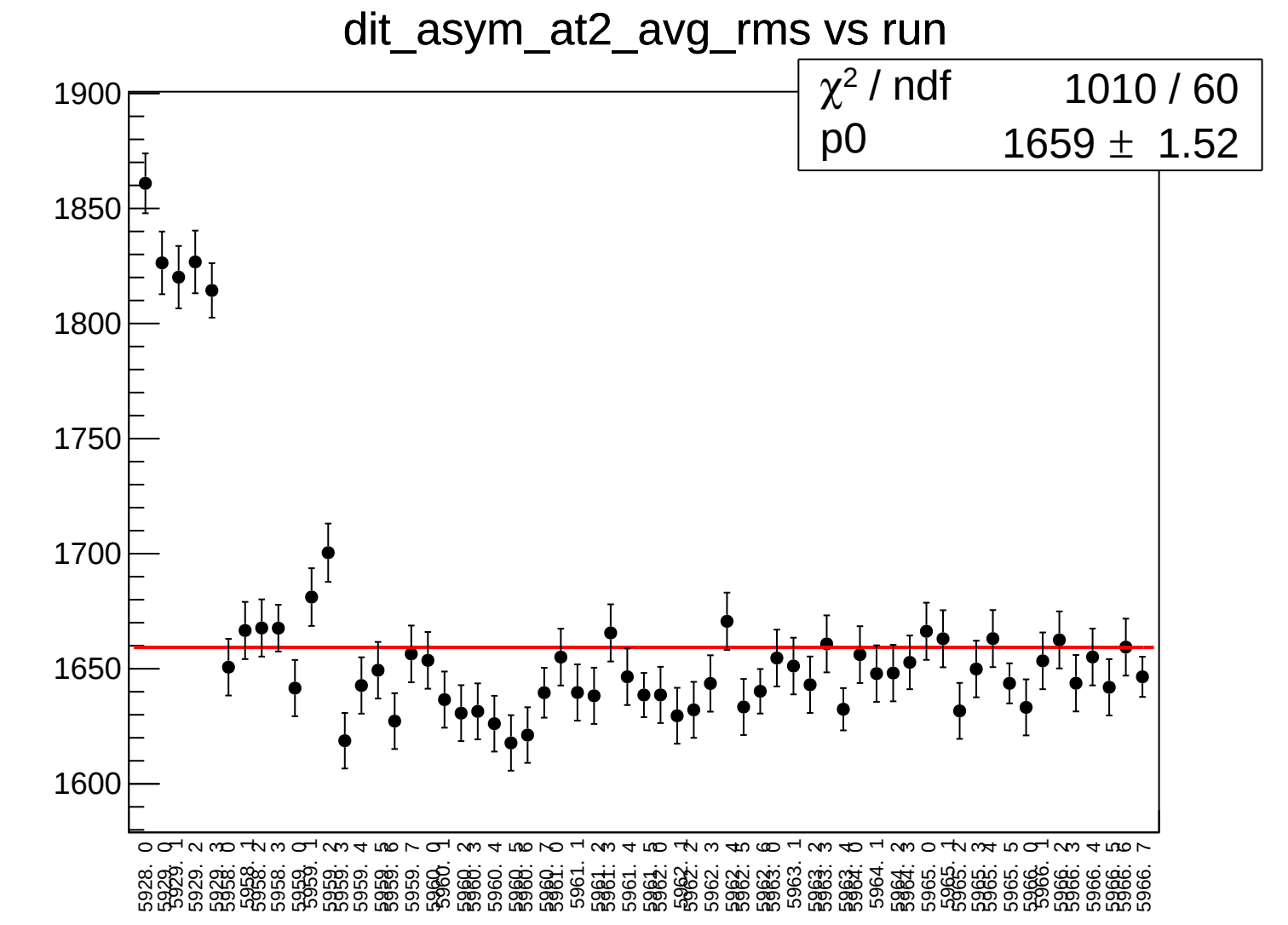

asym_at2_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.16 / 60
p0 −1052 ± 9234
pull
Entries 61
Mean 26.78
Std Dev 0

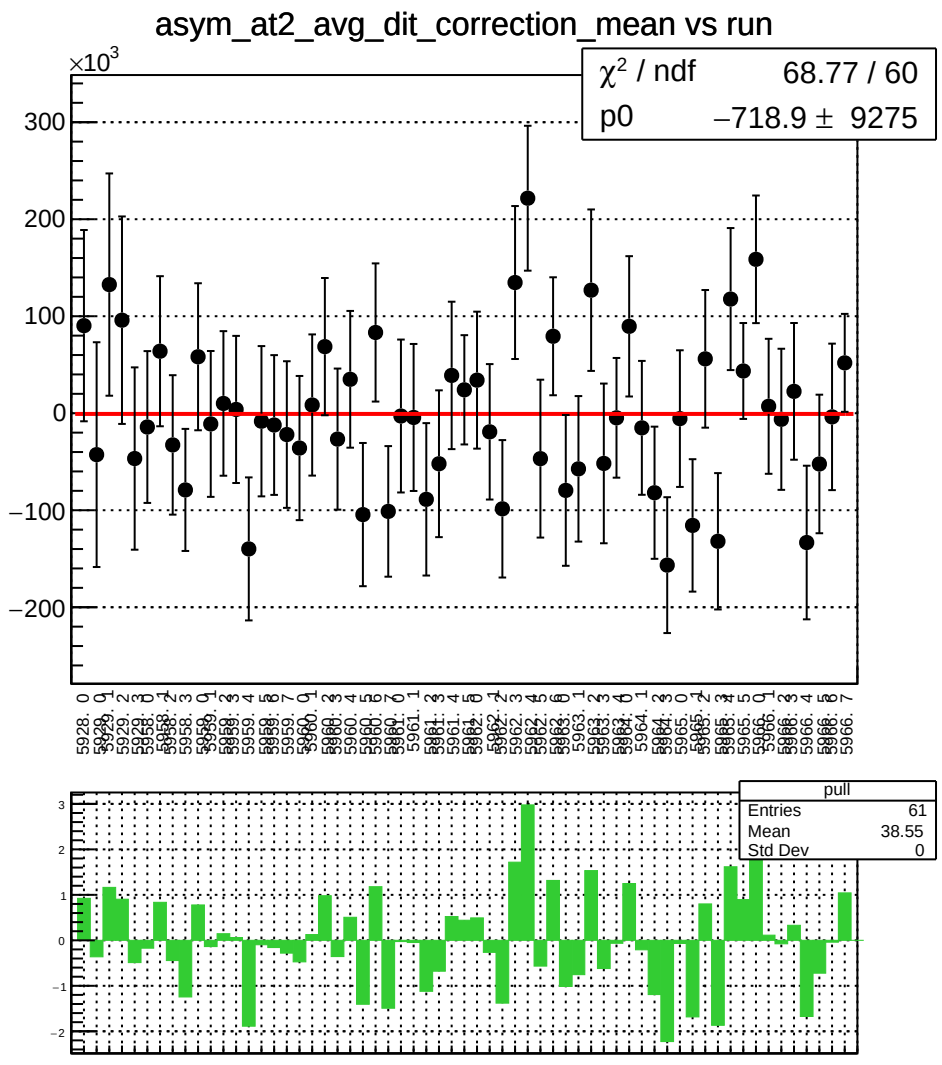

pull1D
Entries 61
Mean −0.00403
Std Dev 1.057

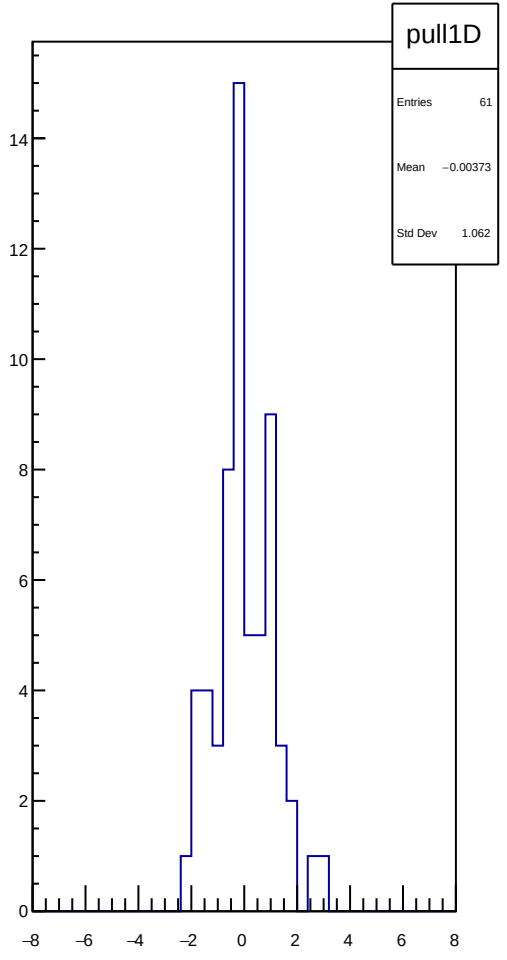

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.171e+04 / 60
p0 7096 ± 6.529
10000
9000
8000
7000
6000

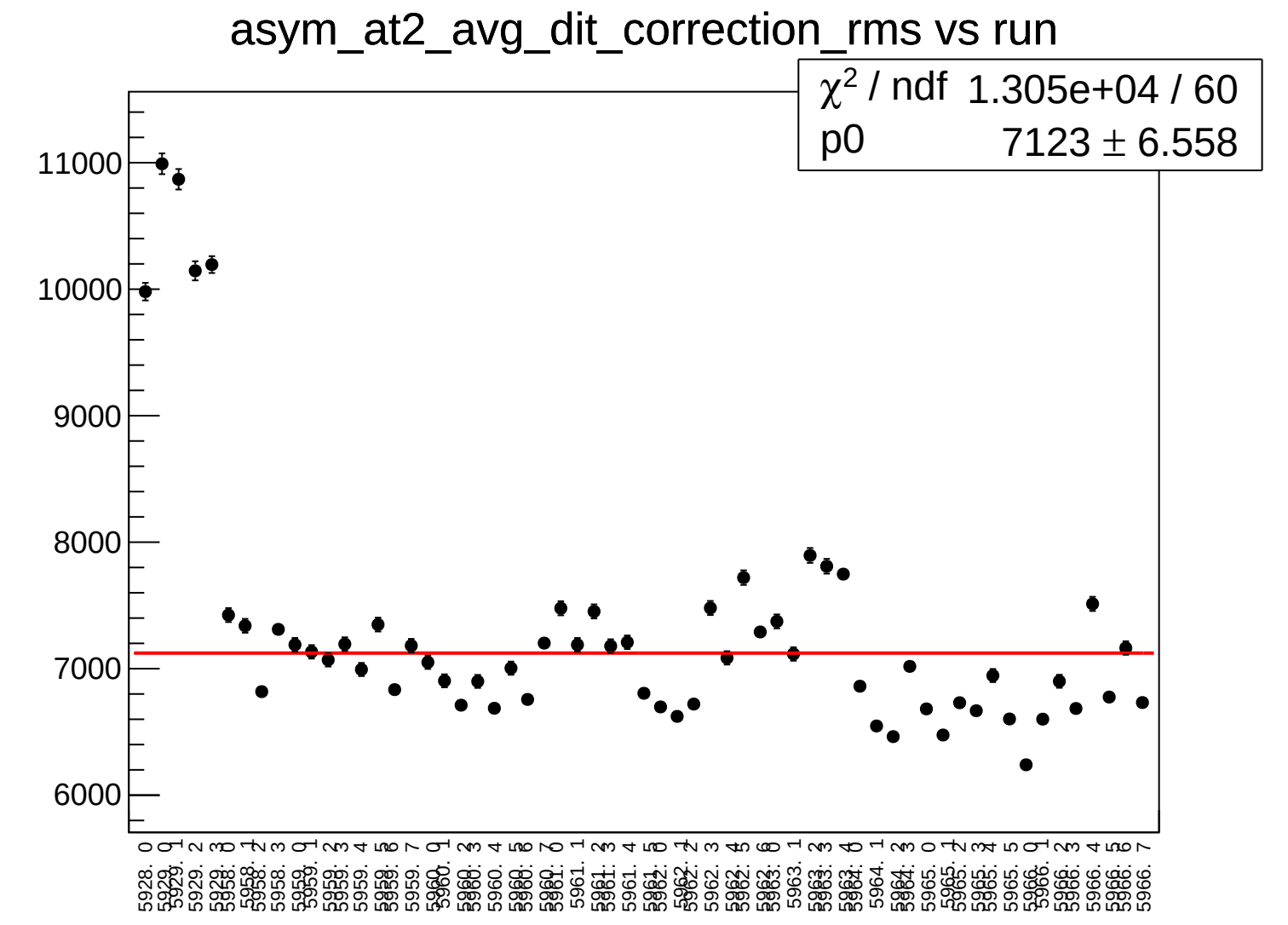

dit_asym_at2_avg_mean vs run
χ² / ndf 63.07 / 60
p0 −2409 ± 2149
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −146.4
Std Dev 0
3
2
1
0
−1
−2

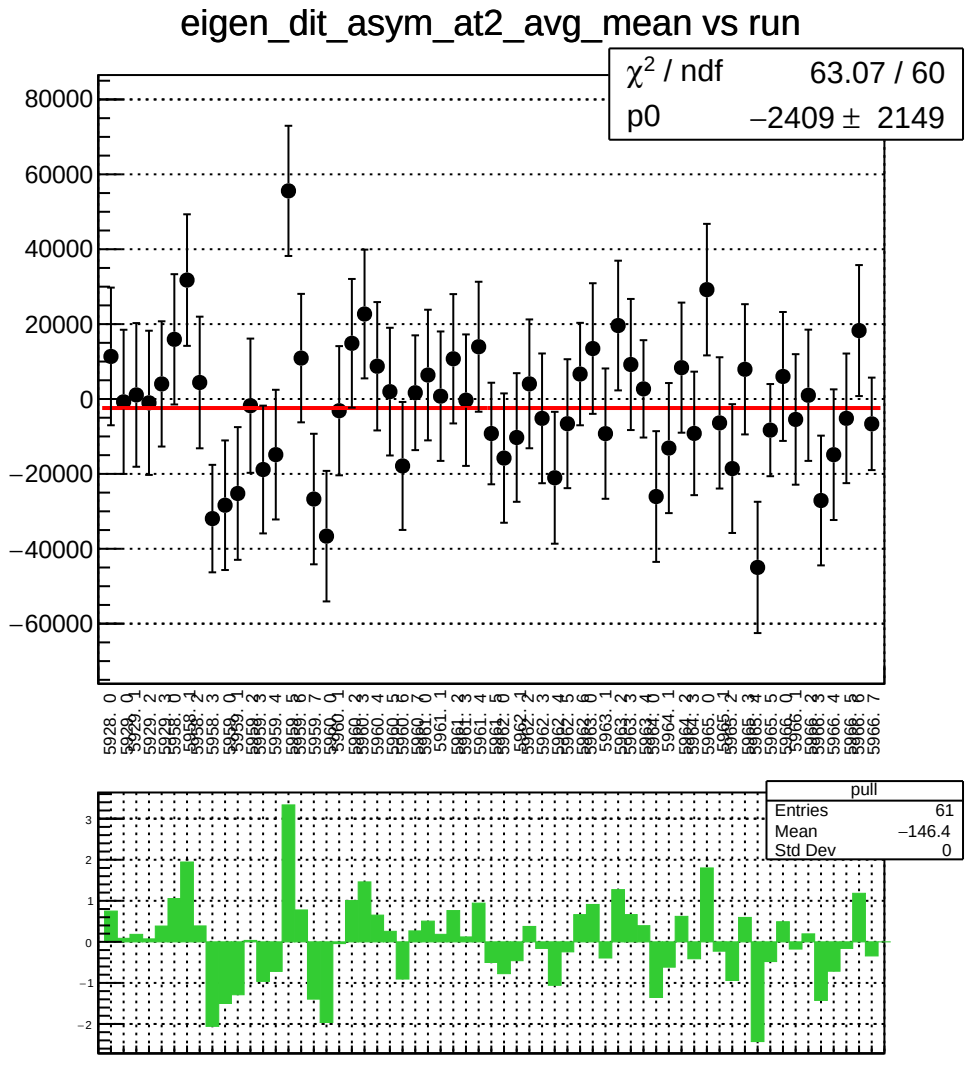

pull1D
Entries 61
Mean 0.01036
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

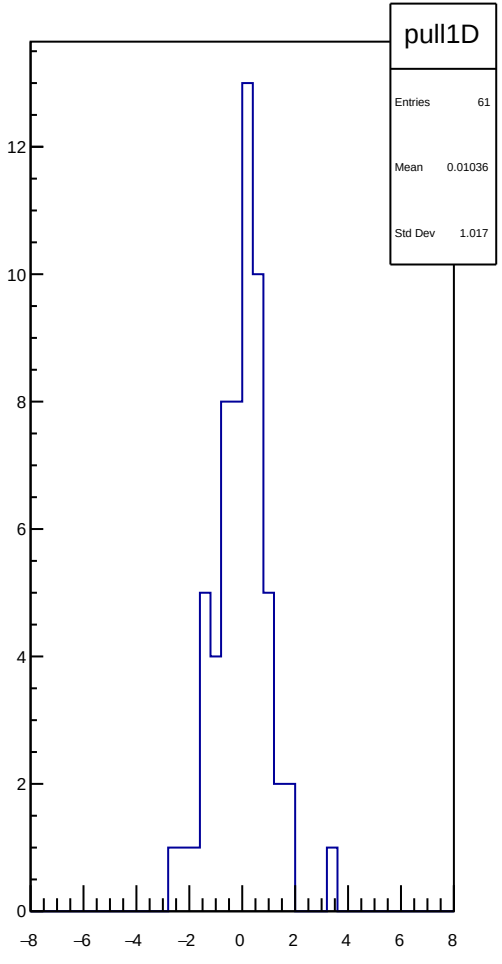

dit_asym_at2_avg_rms vs run
χ² / ndf 1010 / 60
p0 1659 ± 1.52
1900
1850
1800
1750
1700
1650
1600

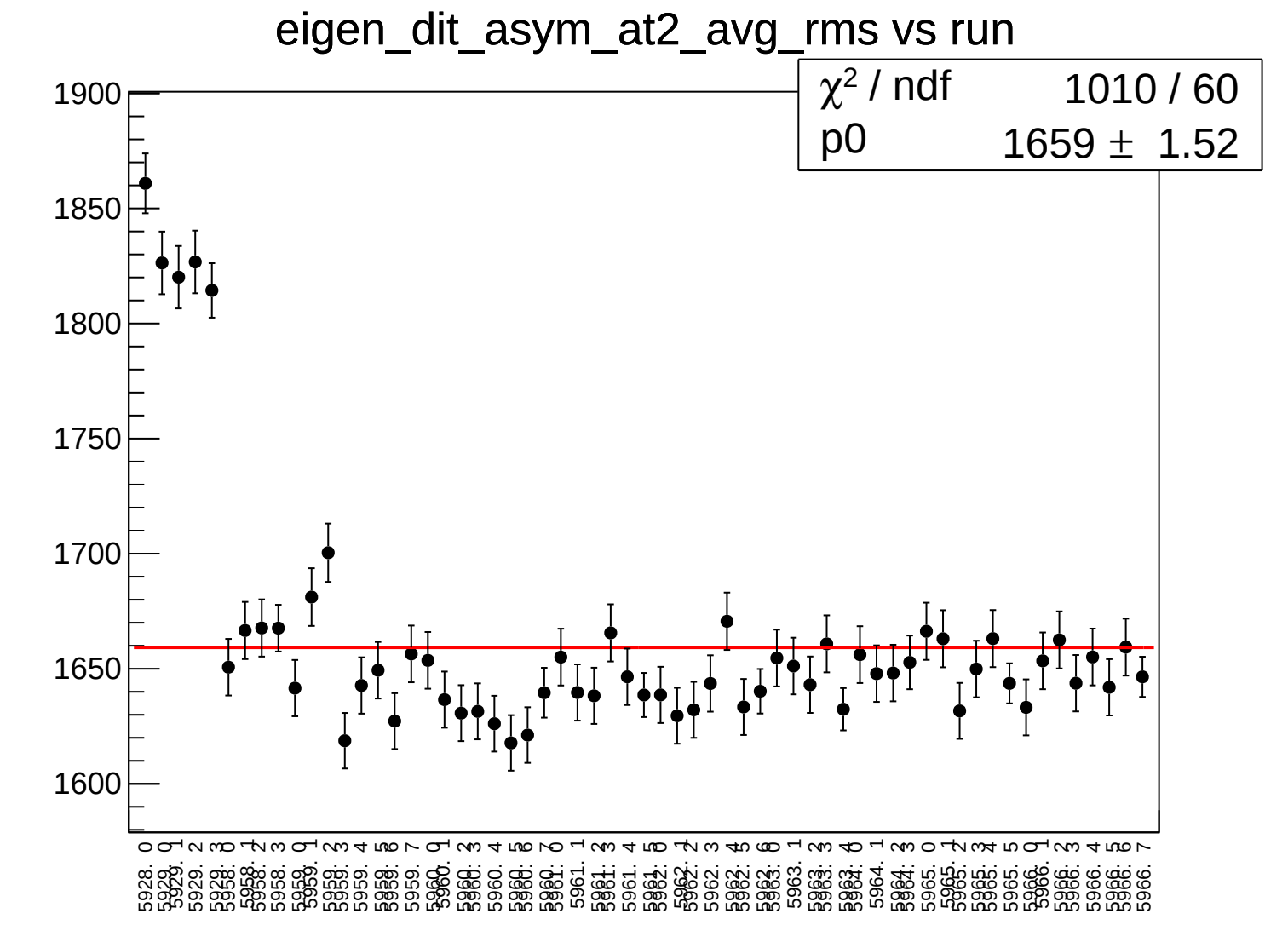

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 68.77 / 60
p0 −718.9 ± 9275
300
200
100
0
−100
−200
pull
Entries 61
Mean 38.55
Std Dev 0
3
2
1
0
−1
−2

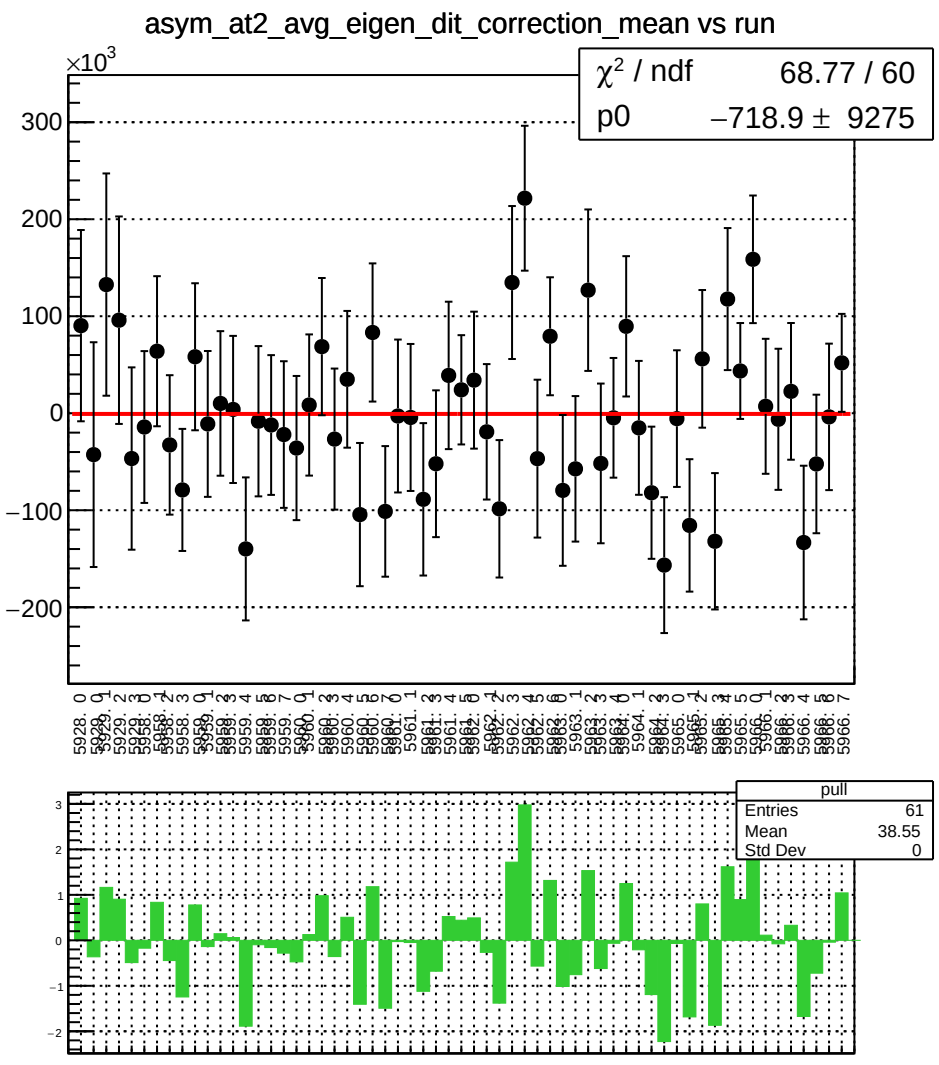

pull1D
Entries 61
Mean −0.00373
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

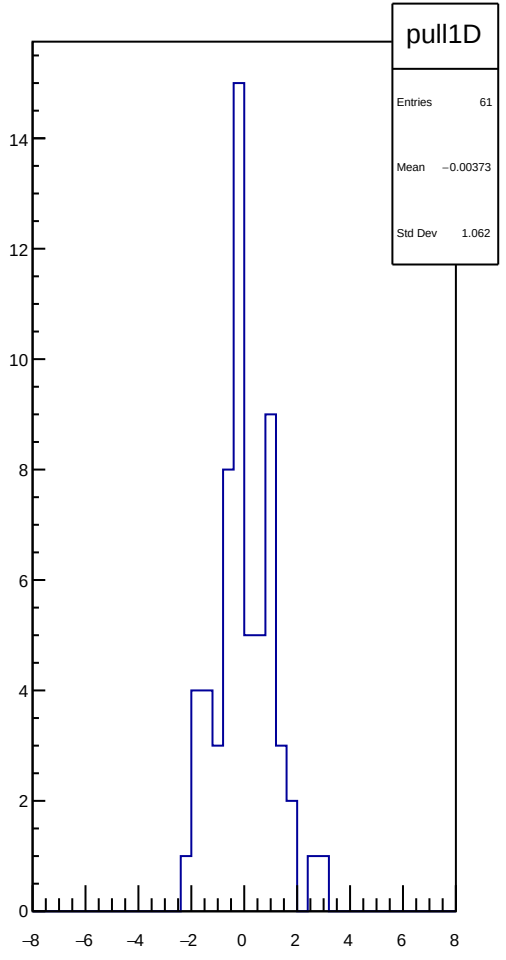

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 1.305e+04 / 60
p0 7123 ± 6.558
11000
10000
9000
8000
7000
6000

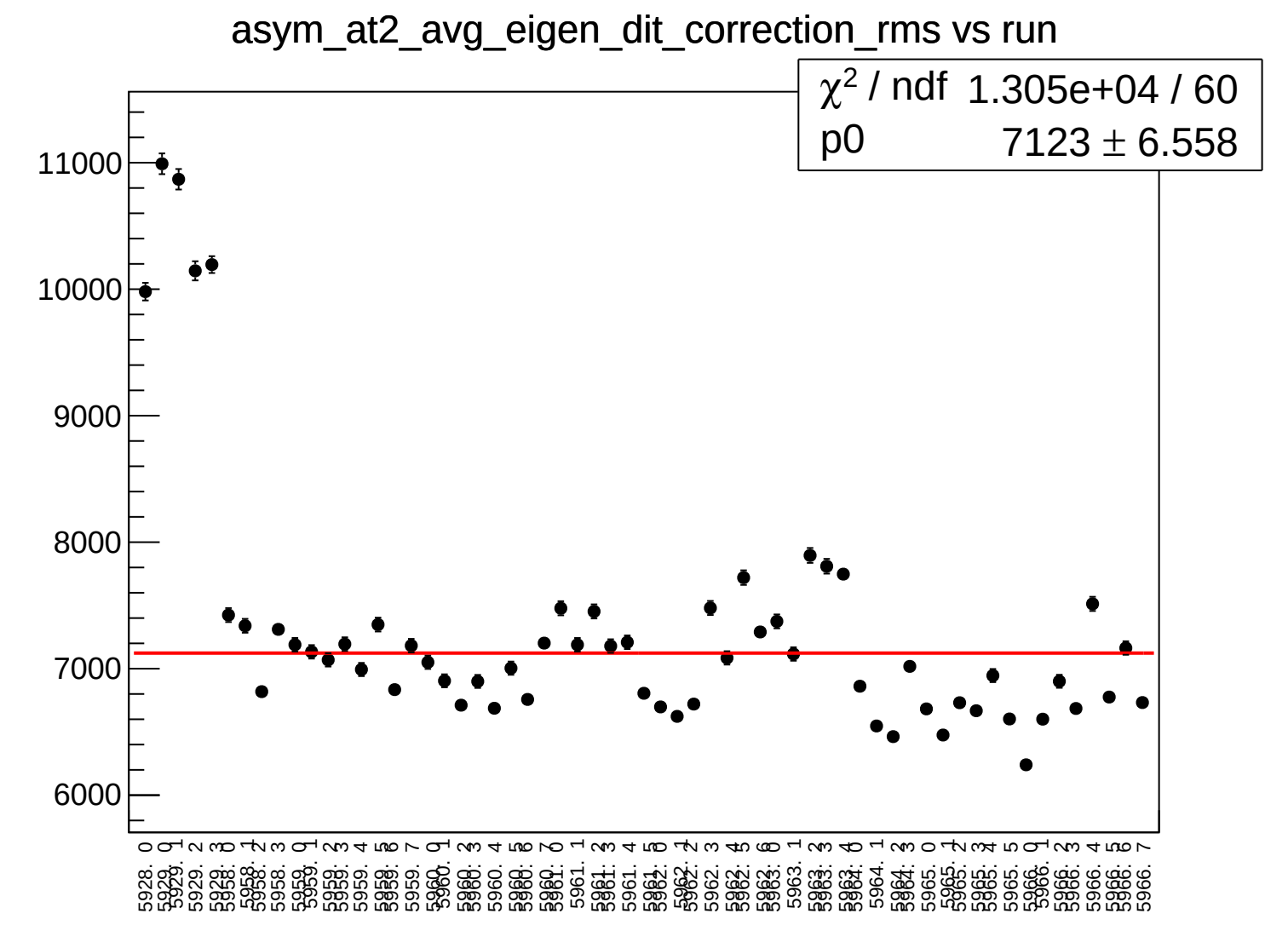

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 63.07 / 60
p0 −2409 ± 2149
pull
Entries 61
Mean −146.4
Std Dev 0

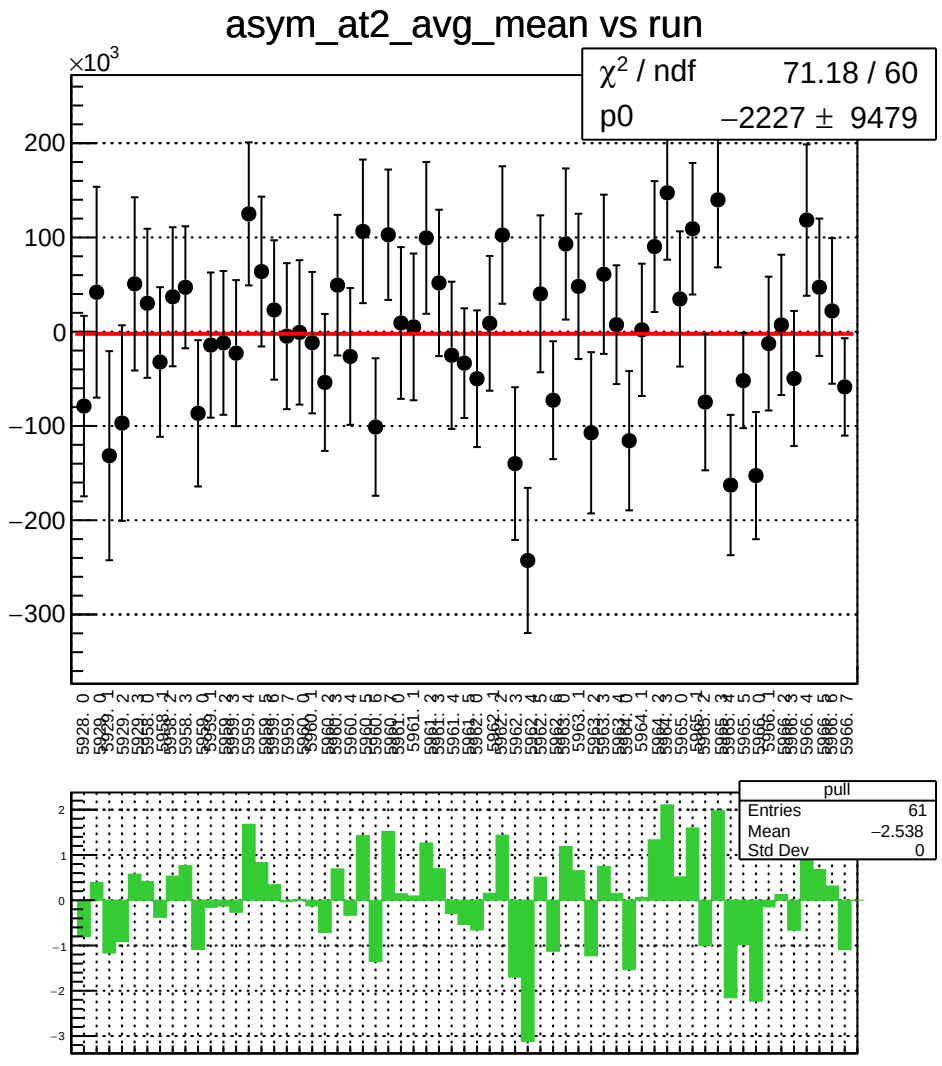

pull1D
Entries 61
Mean 0.01036
Std Dev 1.017

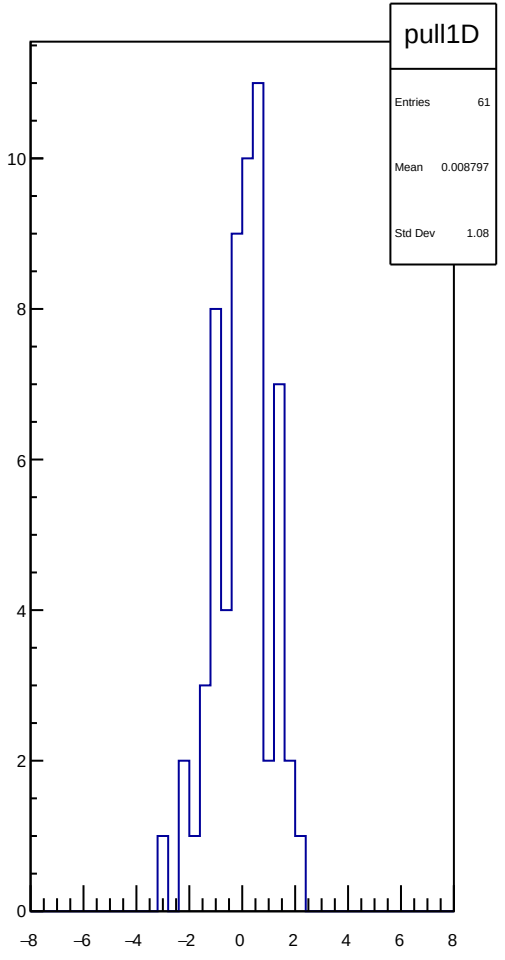

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 1010 / 60
p0 1659 ± 1.52
1900
1850
1800
1750
1700
1650
1600

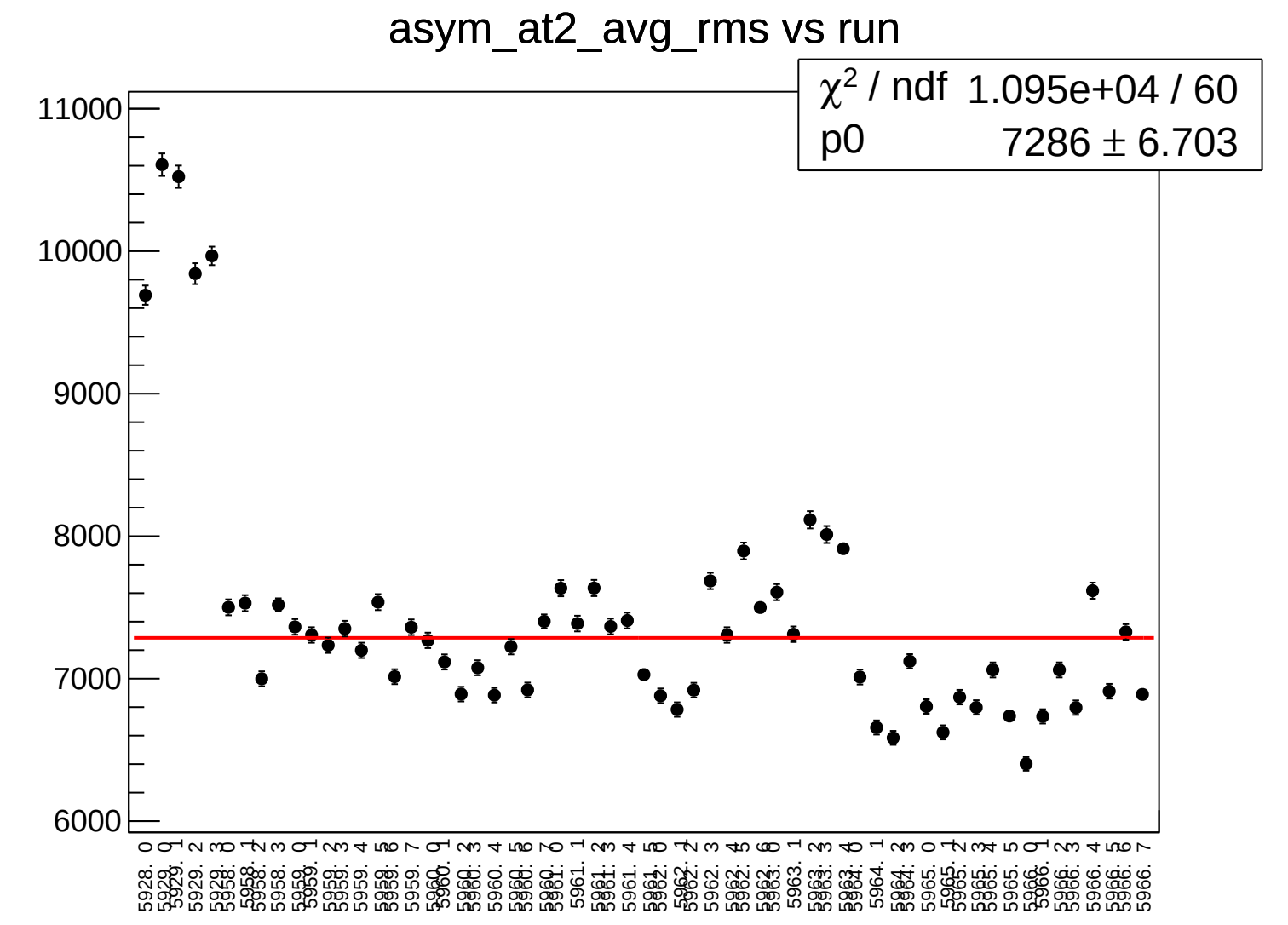

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.77 / 60
p0 −718.9 ± 9275
300
200
100
0
−100
−200
pull
Entries 61
Mean 38.55
Std Dev 0
3
2
1
0
−1
−2

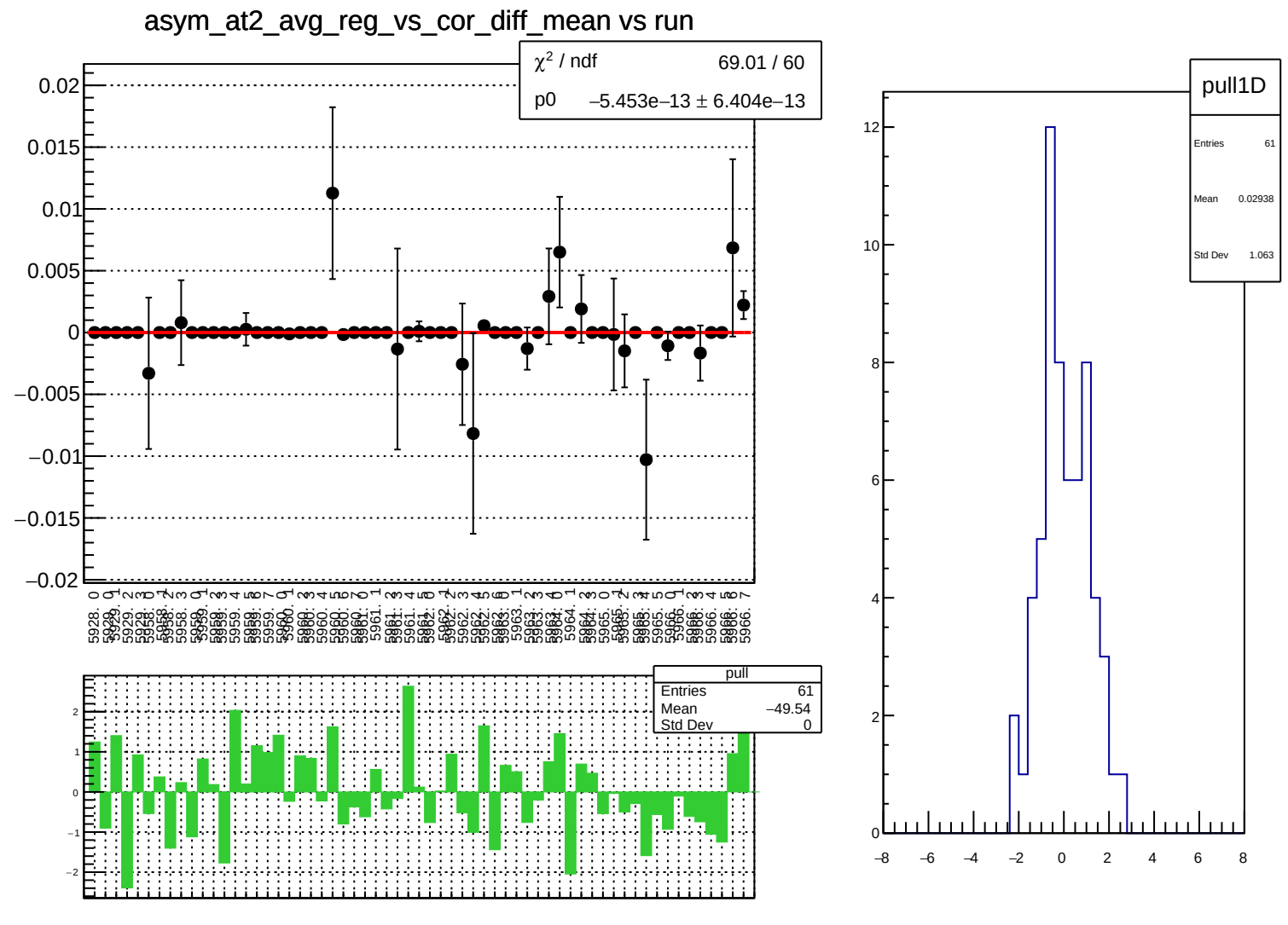

pull1D
Entries 61
Mean −0.00373
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

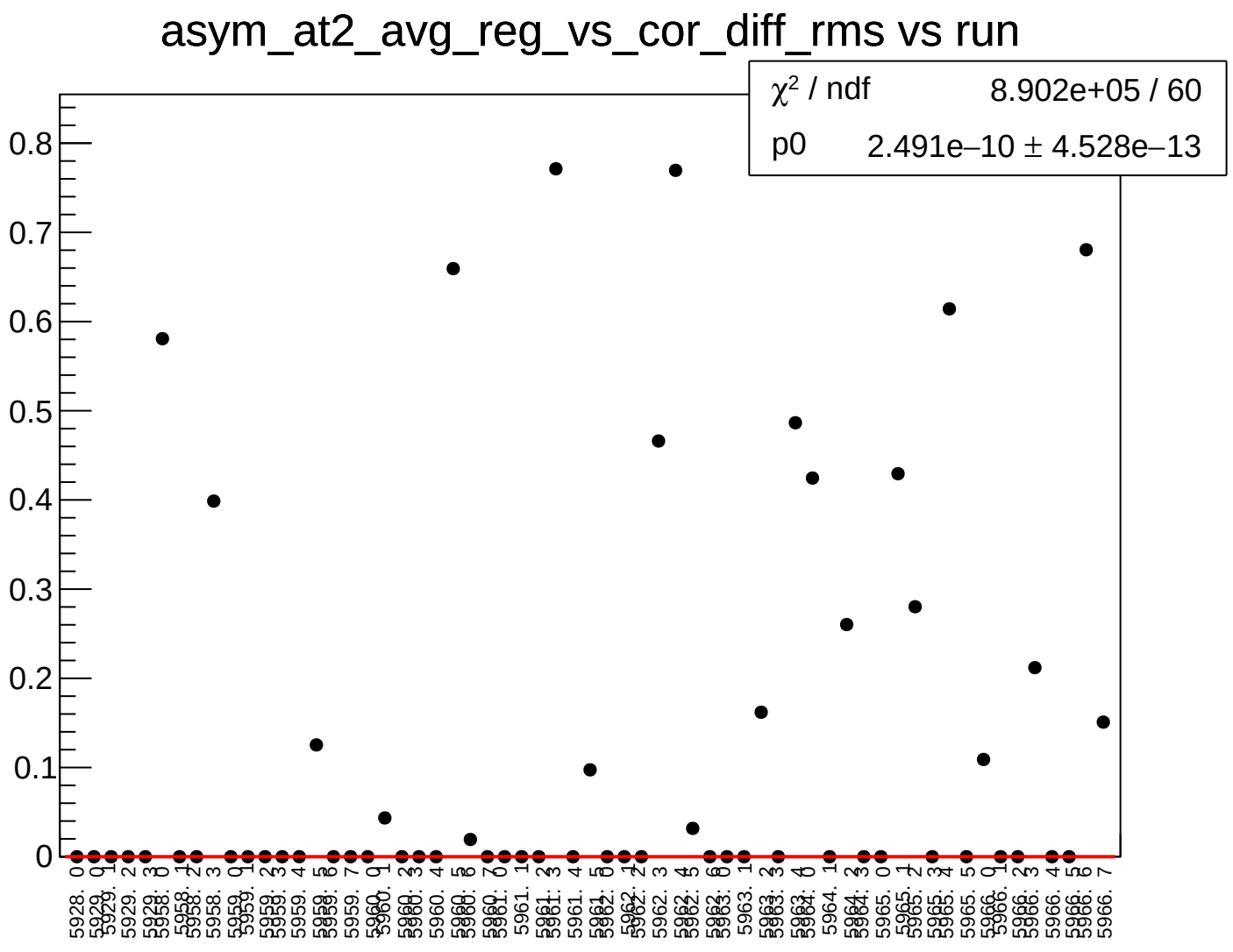

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.305e+04 / 60
p0 7123 ± 6.558
11000
10000
9000
8000
7000
6000

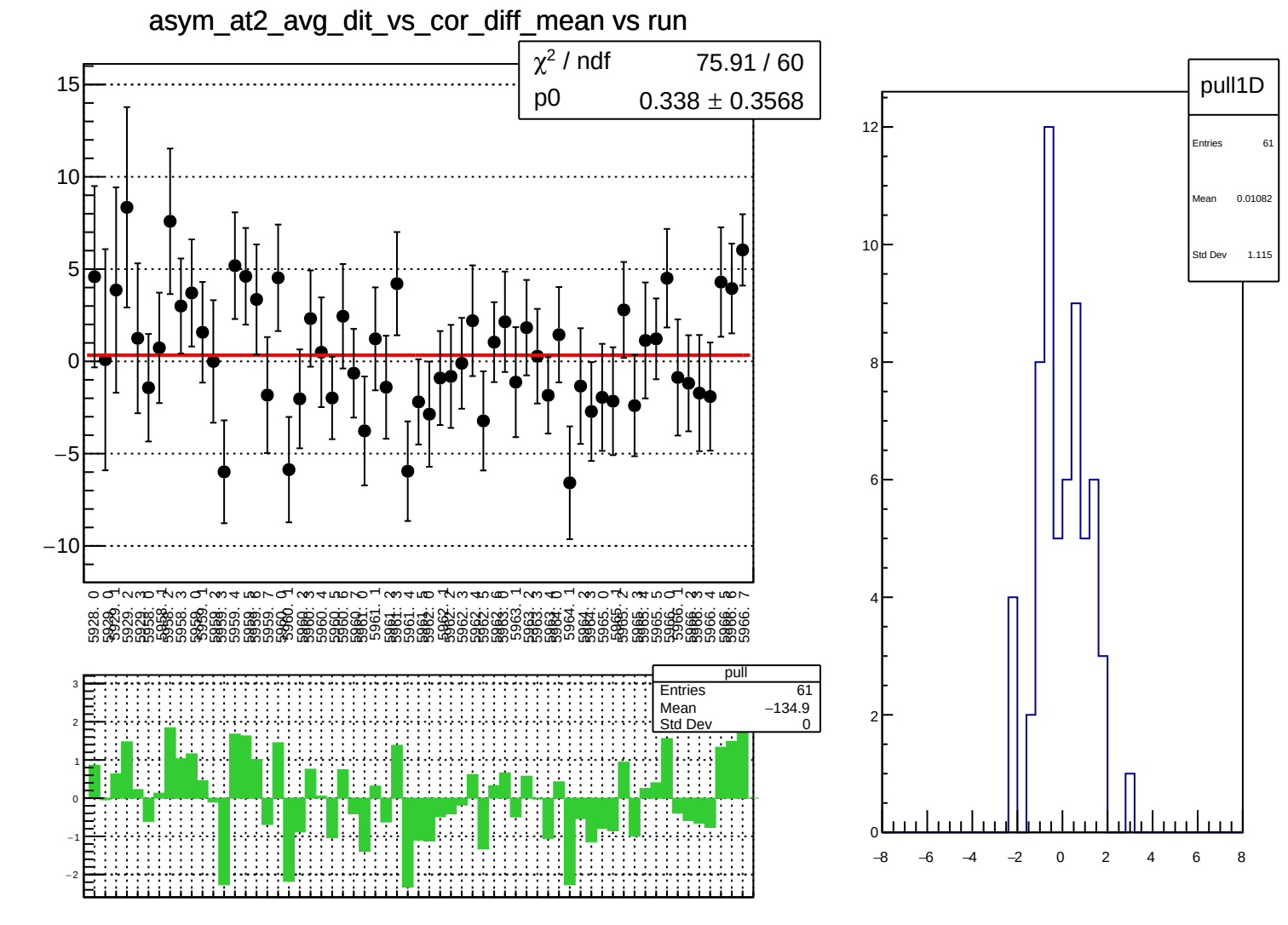

asym_at2_avg_mean vs run
×10^3
χ² / ndf 71.18 / 60
p0 −2227 ± 9479
200
100
0
−100
−200
−300
pull
Entries 61
Mean −2.538
Std Dev 0
2
1
0
−1
−2
−3

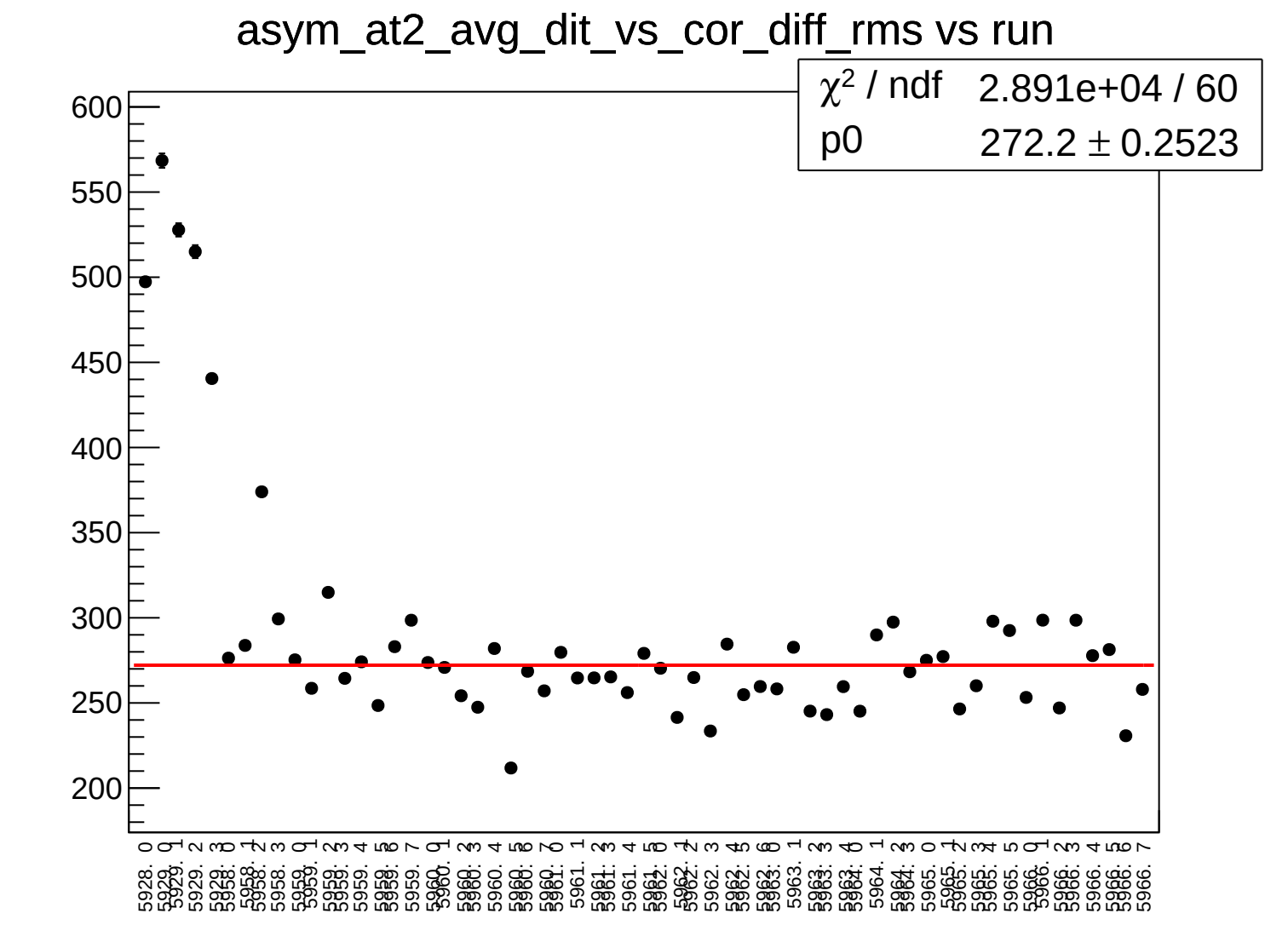

pull1D
Entries 61
Mean 0.008797
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

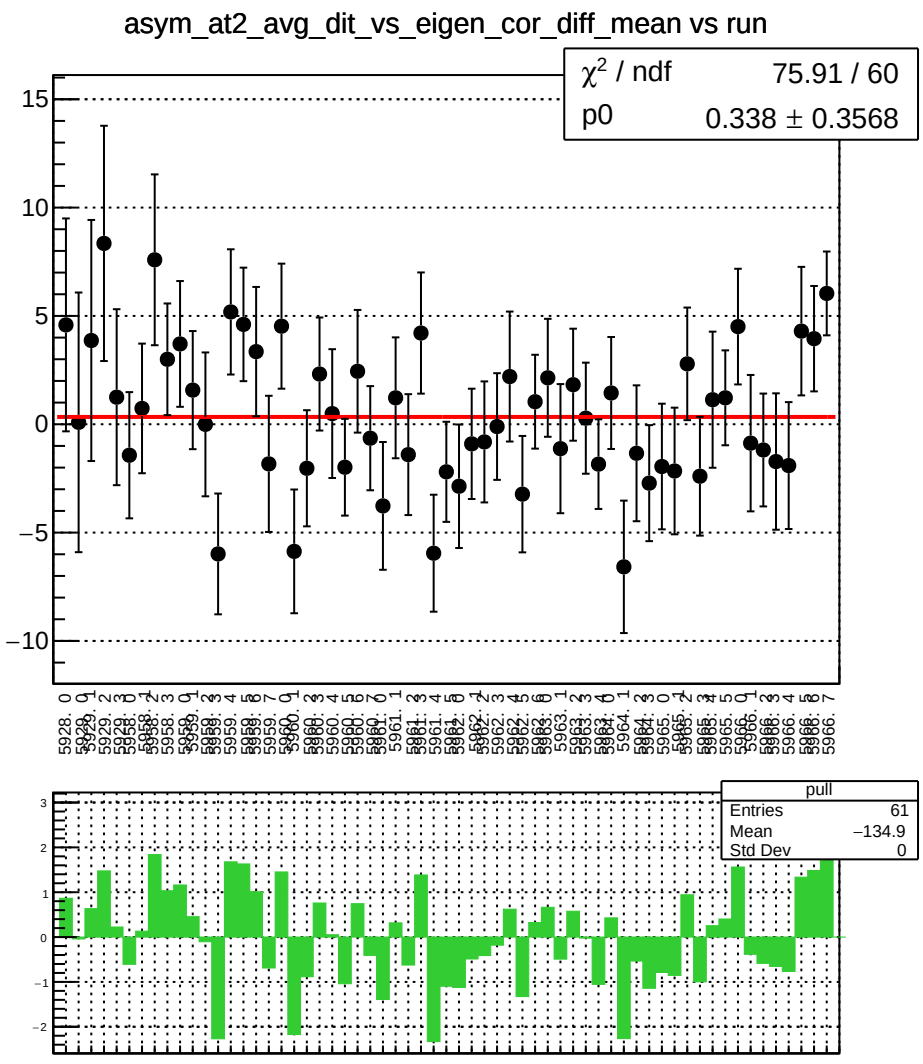

asym_at2_avg_rms vs run
χ² / ndf 1.095e+04 / 60
p0 7286 ± 6.703
11000
10000
9000
8000
7000
6000

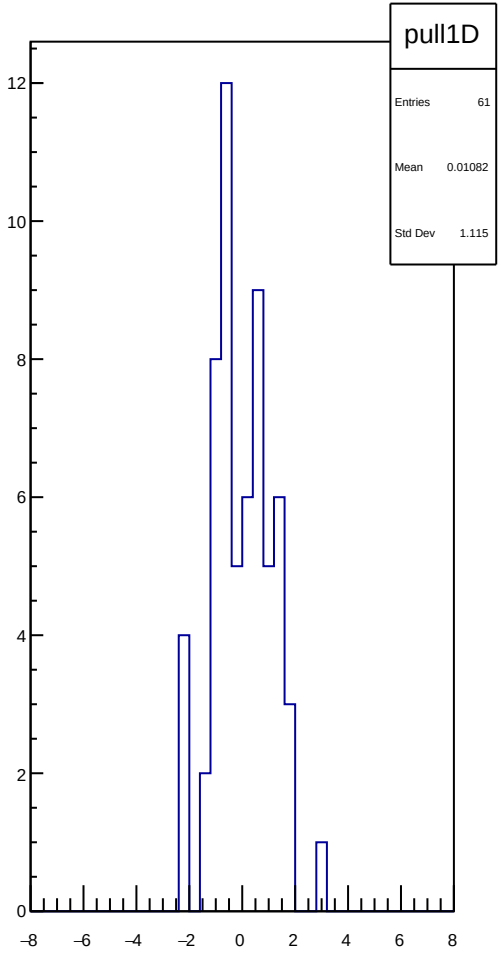

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.01 / 60
p0 −5.453e−13 ± 6.404e−13
pull
Entries 61
Mean −49.54
Std Dev 0
pull1D
Entries 61
Mean 0.02938
Std Dev 1.063

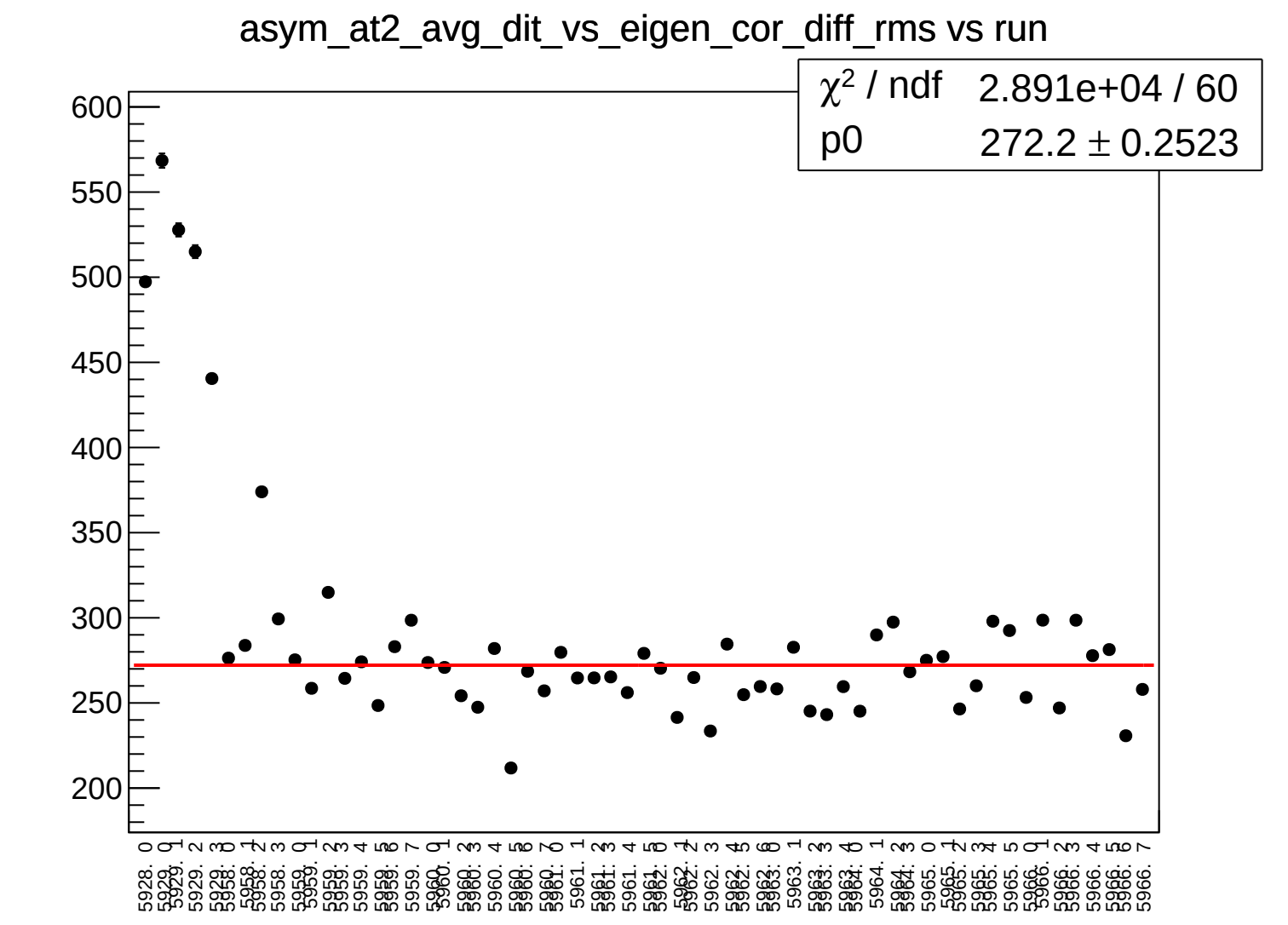

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.902e+05 / 60
p0 2.491e−10 ± 4.528e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

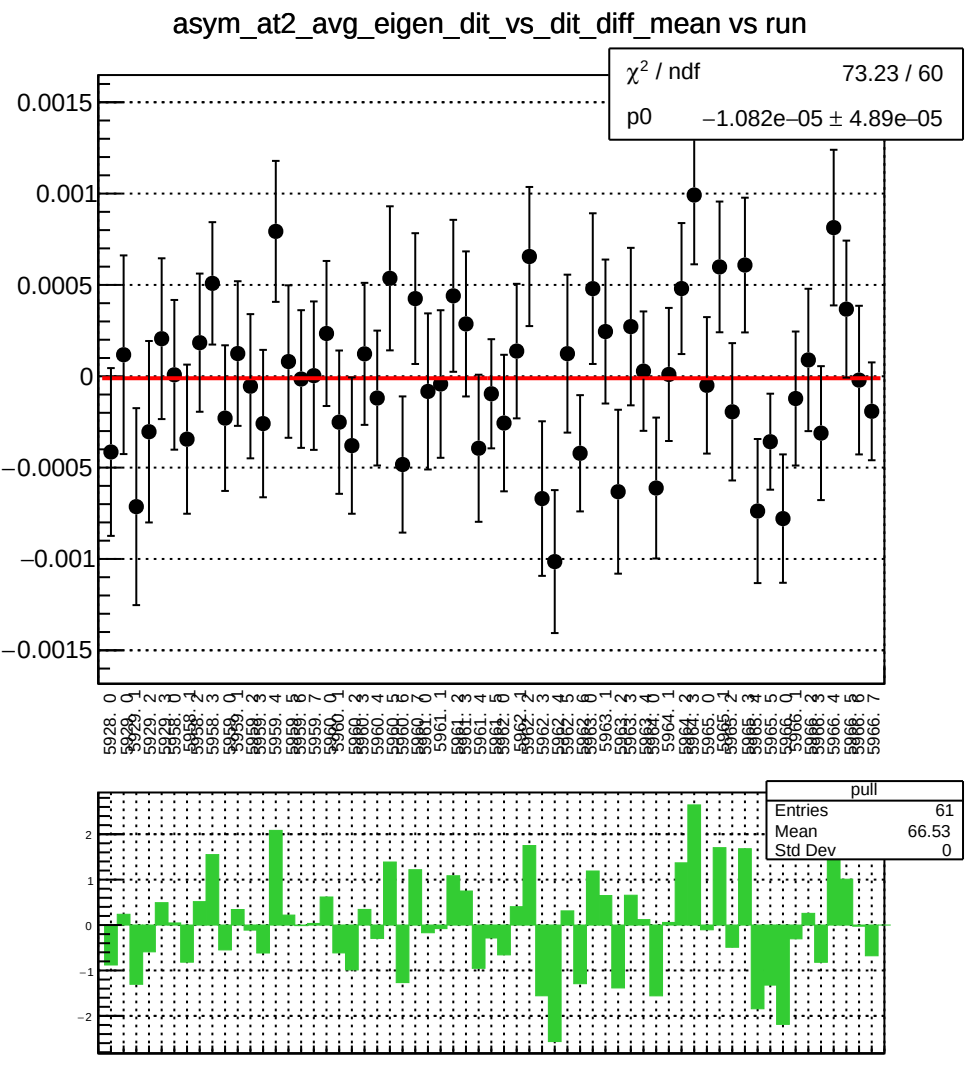

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.91 / 60
p0 0.338 ± 0.3568
pull
Entries 61
Mean −134.9
Std Dev 0
pull1D
Entries 61
Mean 0.01082
Std Dev 1.115

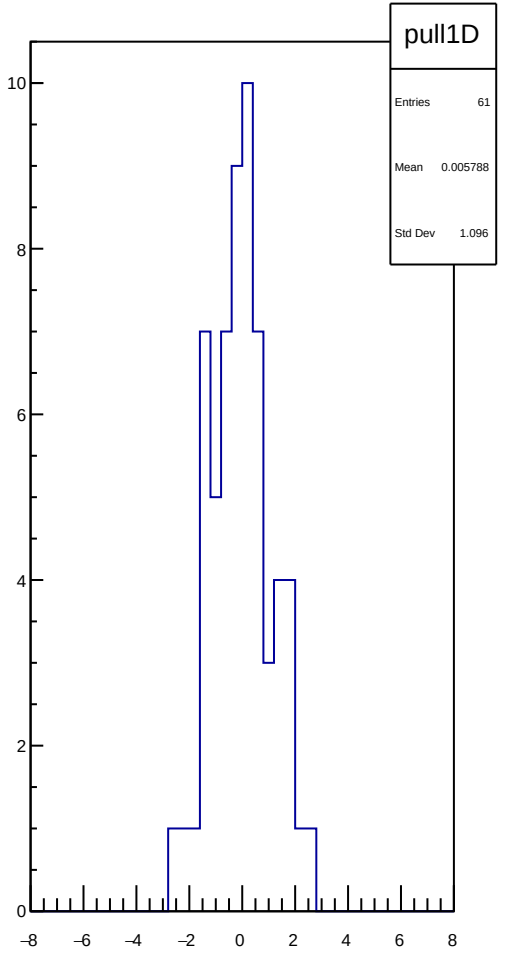

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.891e+04 / 60
p0 272.2 ± 0.2523
600
550
500
450
400
350
300
250
200

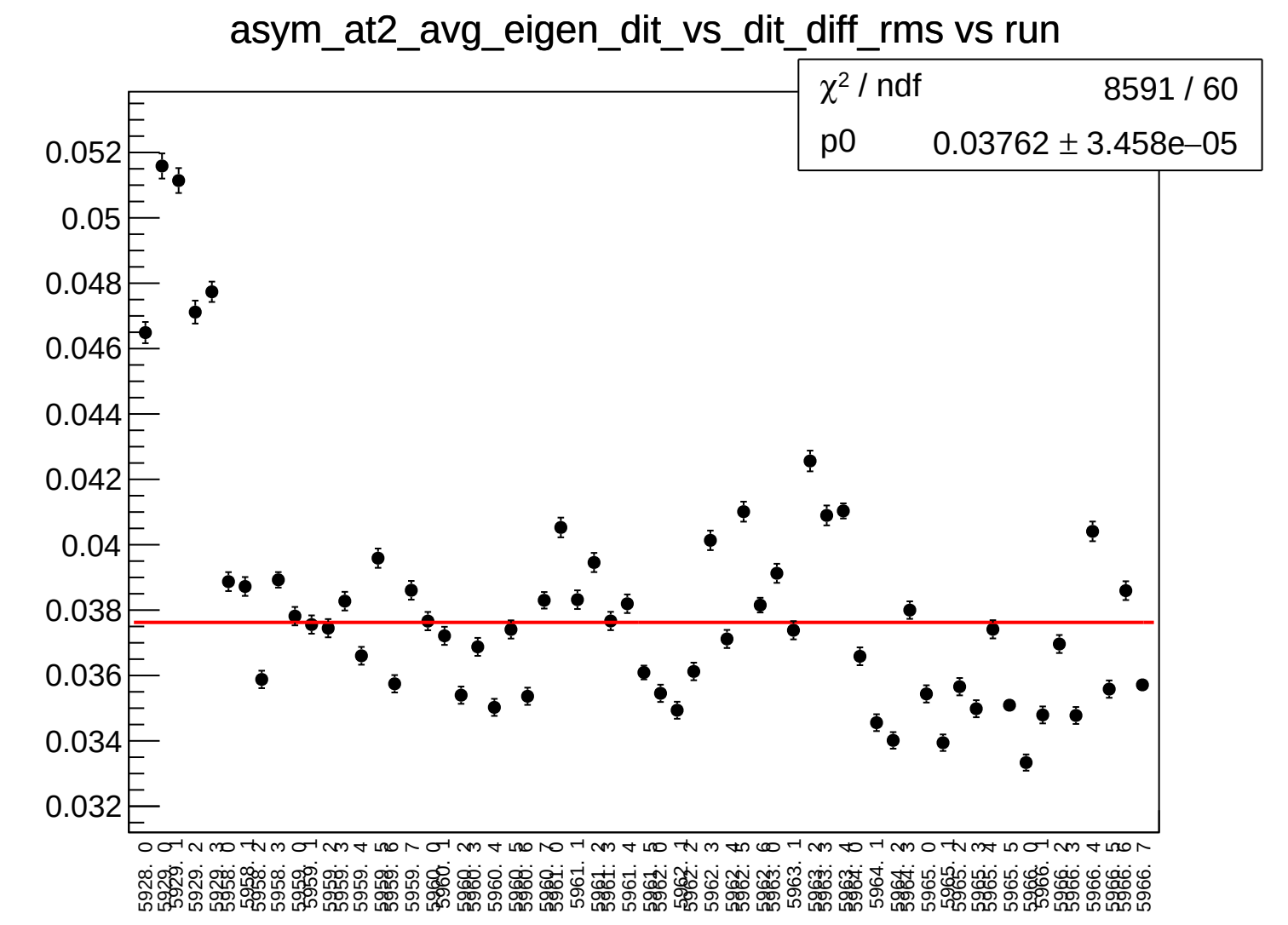

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.91 / 60
p0 0.338 ± 0.3568
pull
Entries 61
Mean −134.9
Std Dev 0

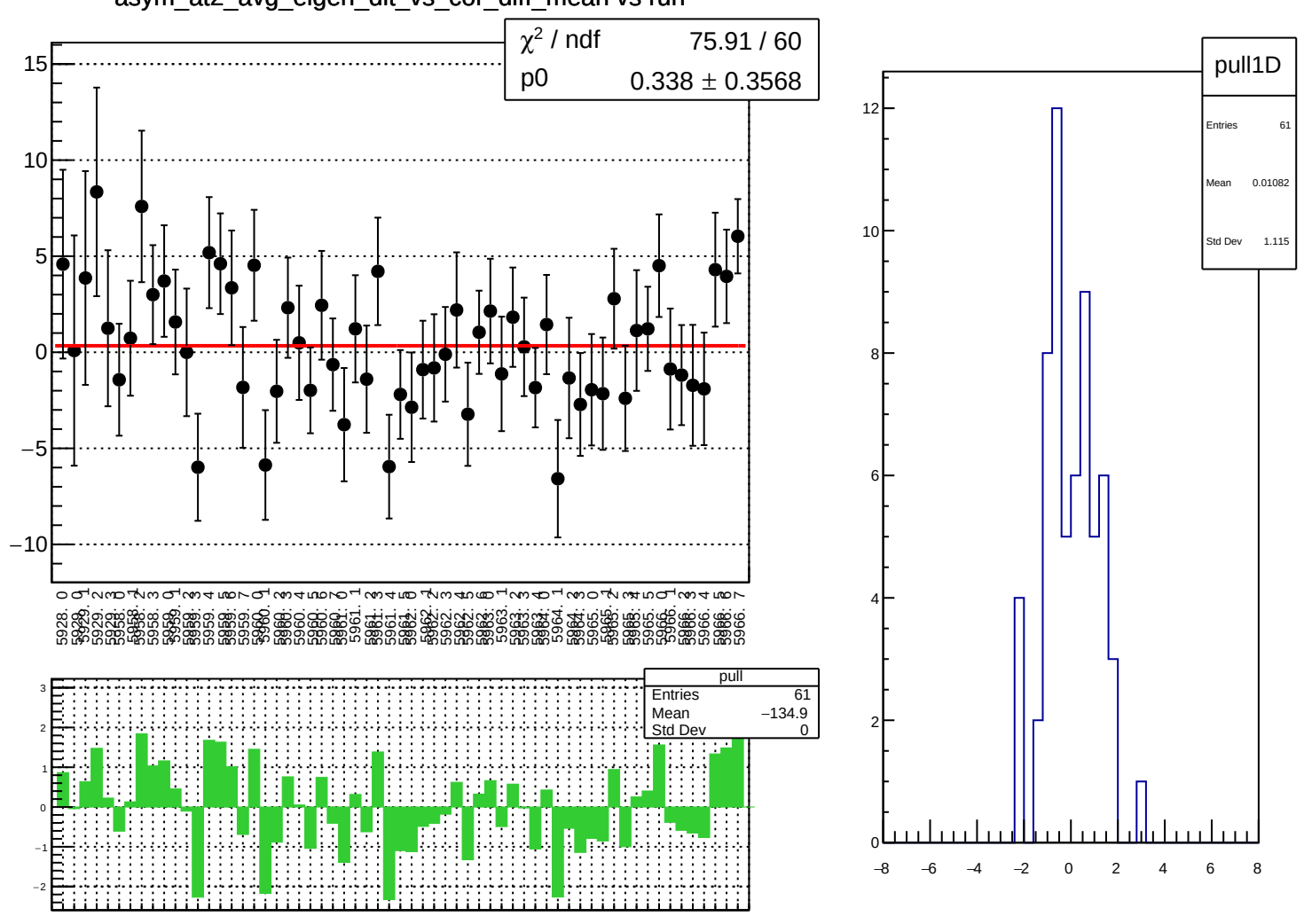

pull1D
Entries 61
Mean 0.01082
Std Dev 1.115

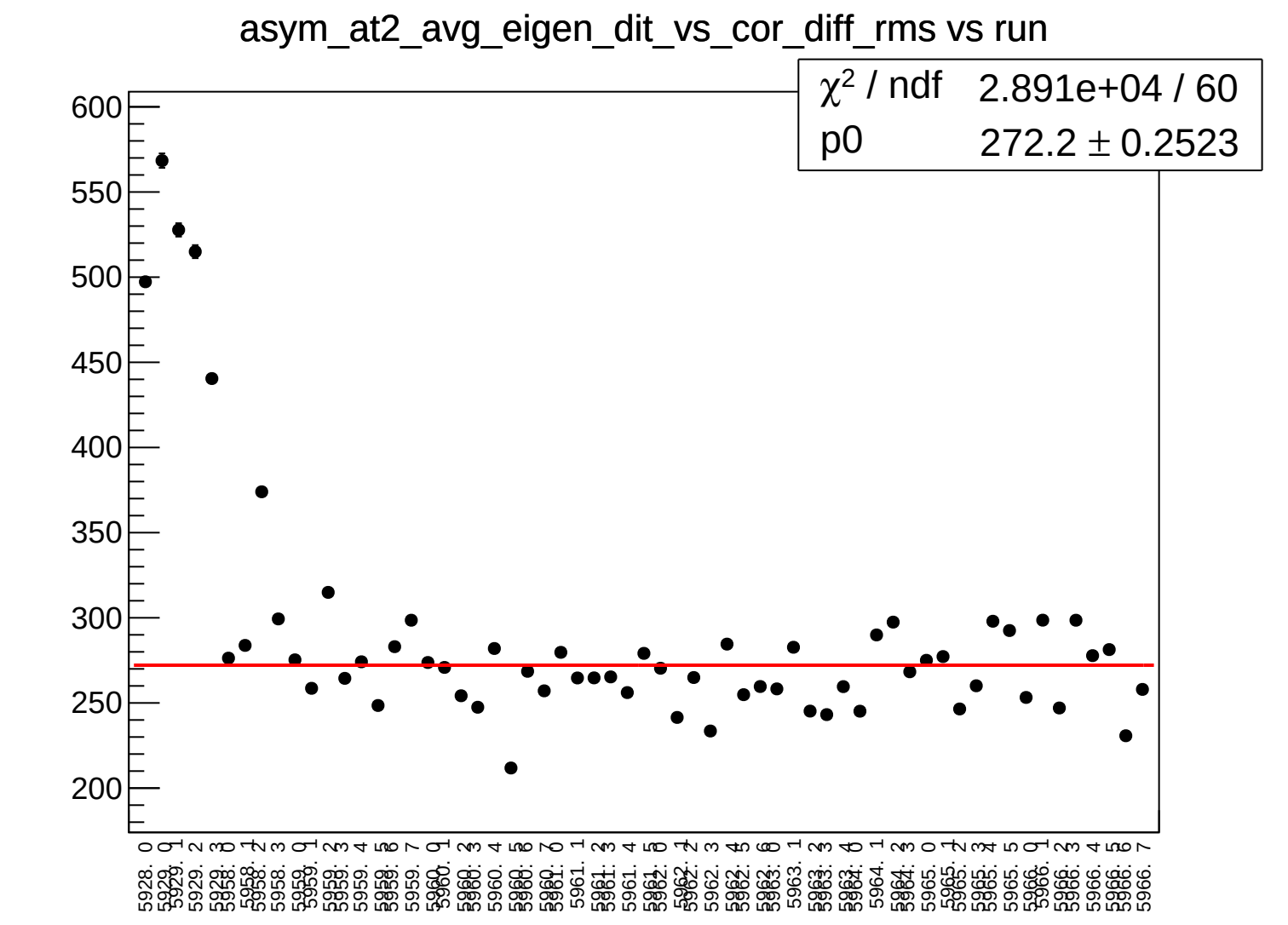

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.891e+04 / 60
p0 272.2 ± 0.2523
600
550
500
450
400
350
300
250
200

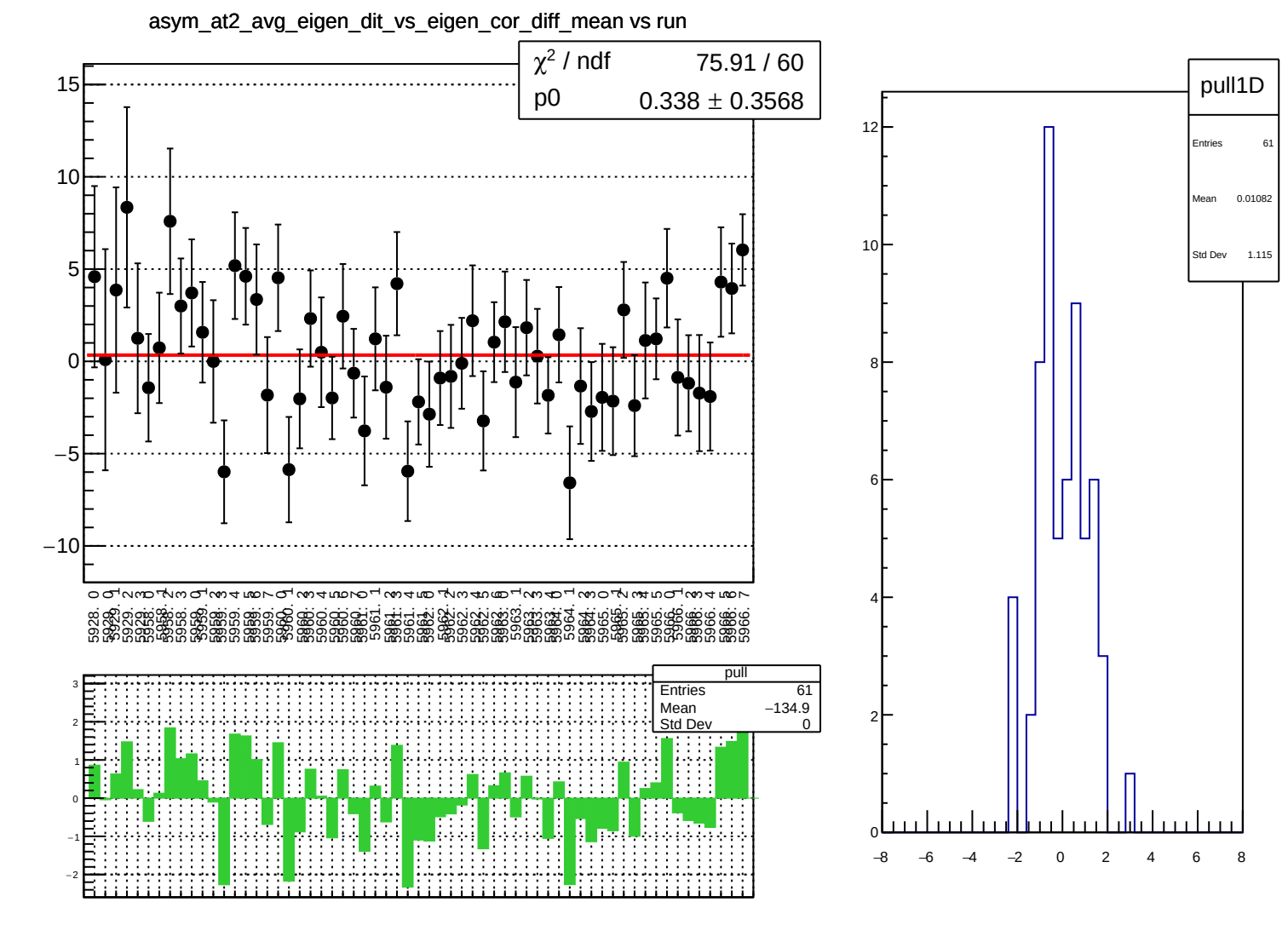

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.23 / 60
p0 −1.082e−05 ± 4.89e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 66.53
Std Dev 0

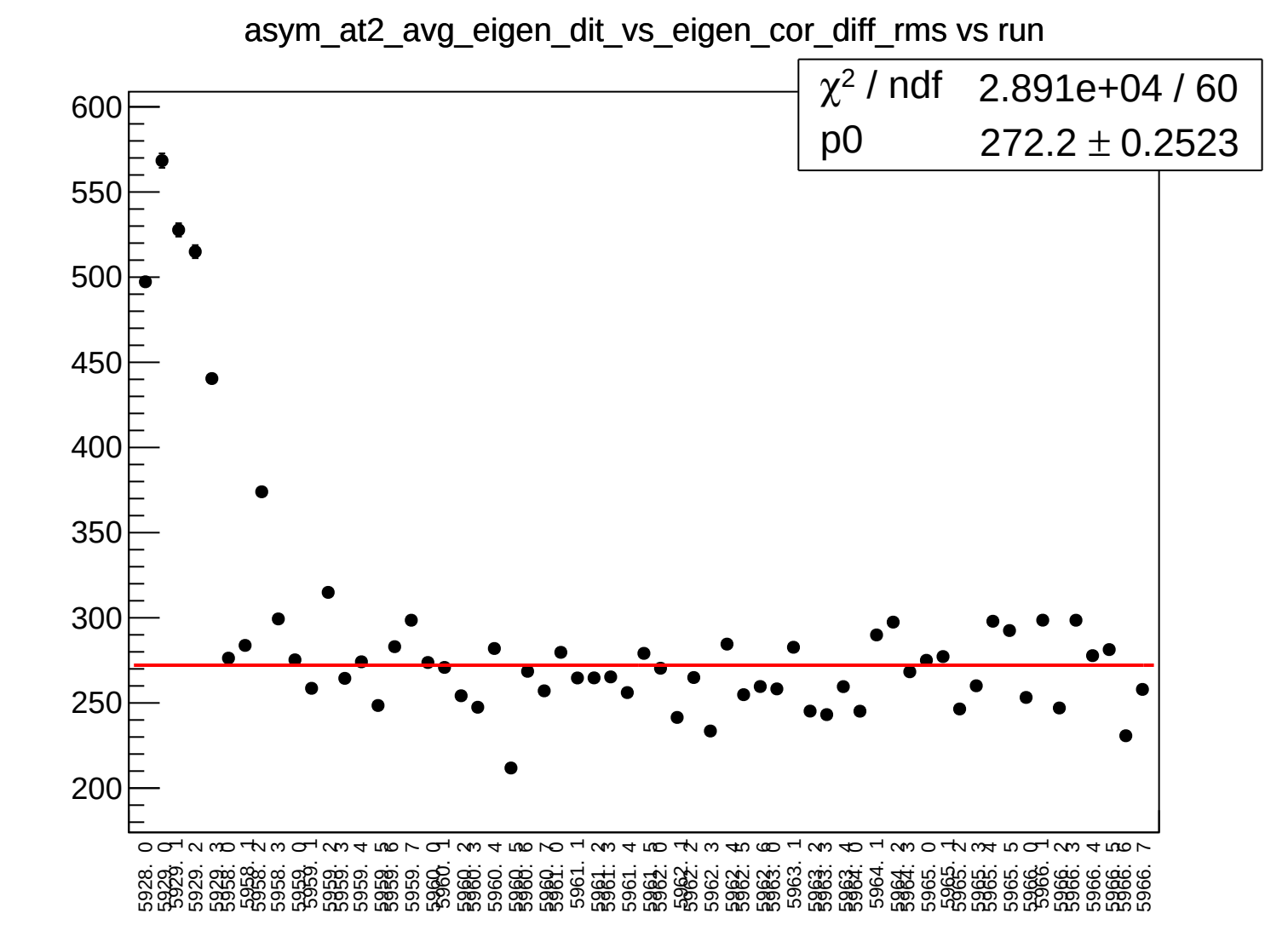

pull1D
Entries 61
Mean 0.005788
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

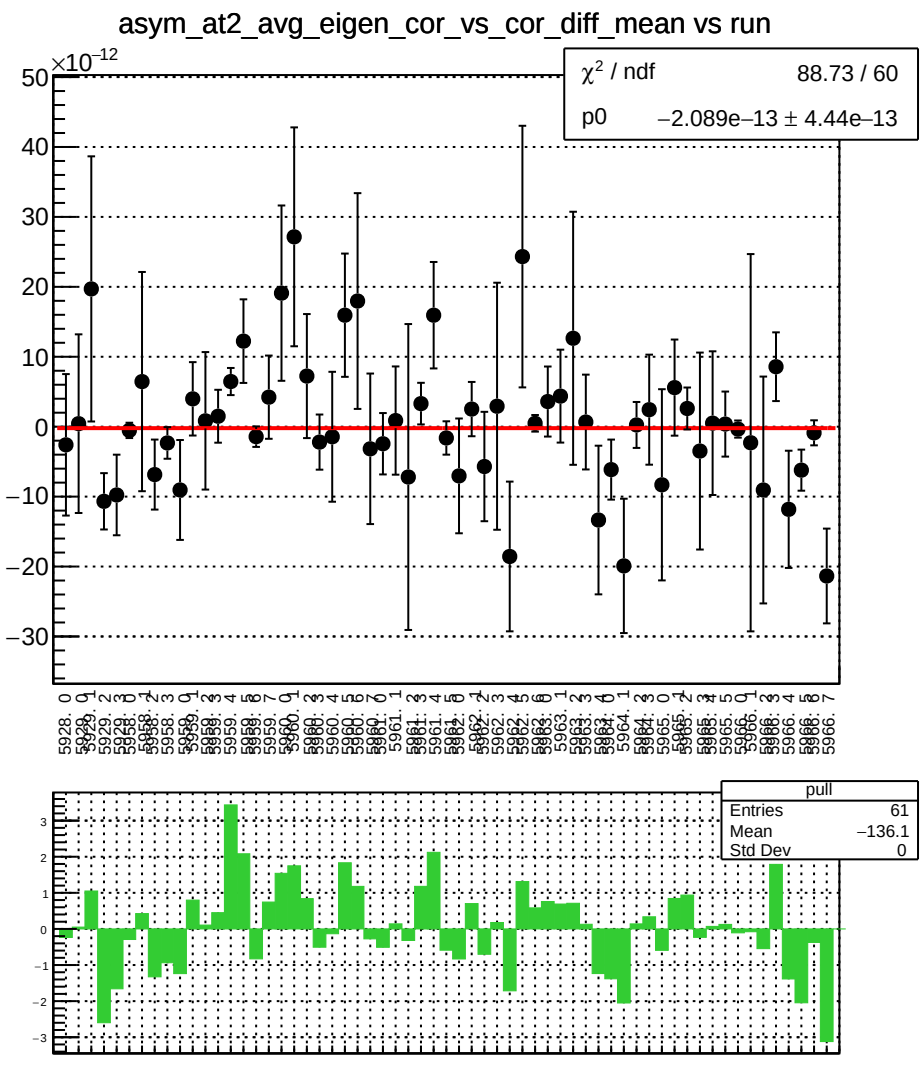

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8591 / 60
p0 0.03762 ± 3.458e−05
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032

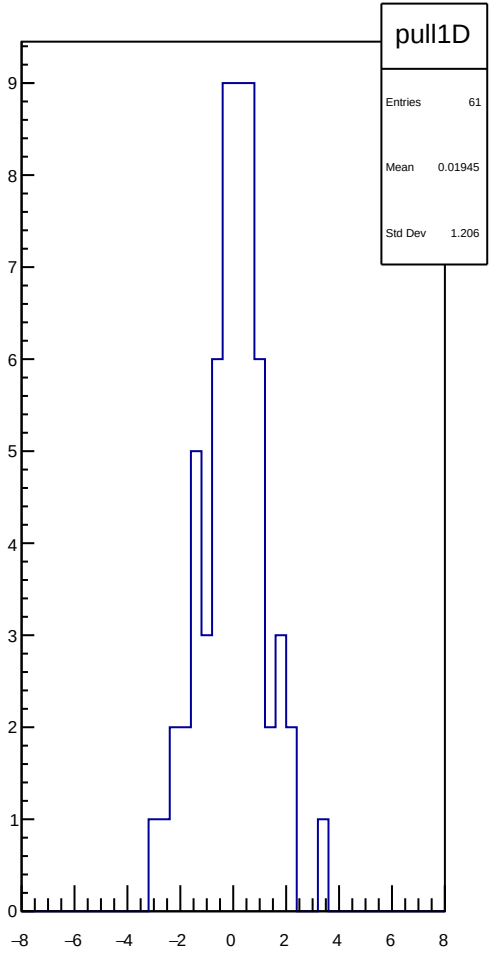

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.91 / 60
p0 0.338 ± 0.3568
pull
Entries 61
Mean −134.9
Std Dev 0
pull1D
Entries 61
Mean 0.01082
Std Dev 1.115

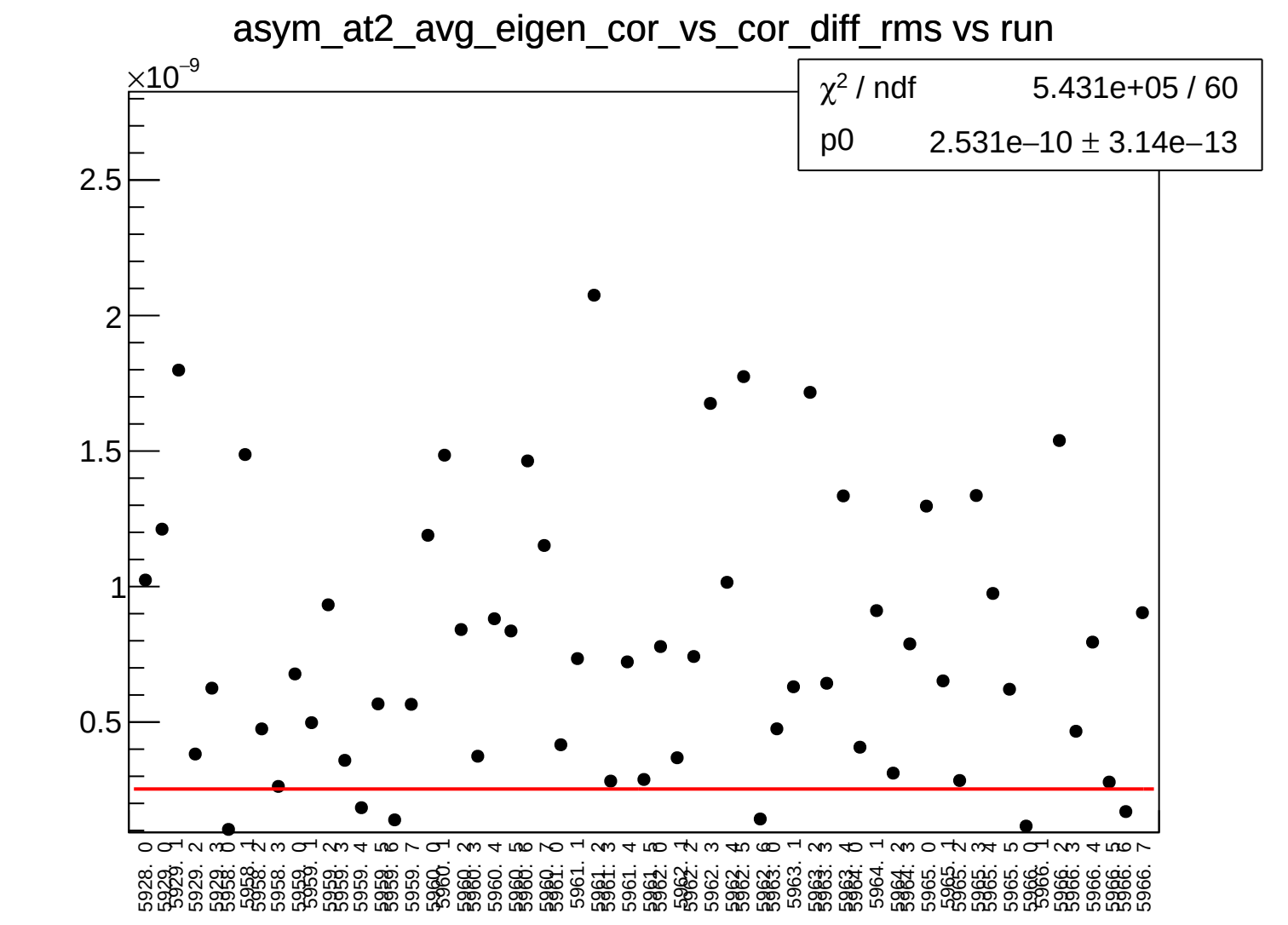

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.891e+04 / 60
p0 272.2 ± 0.2523
600
550
500
450
400
350
300
250
200

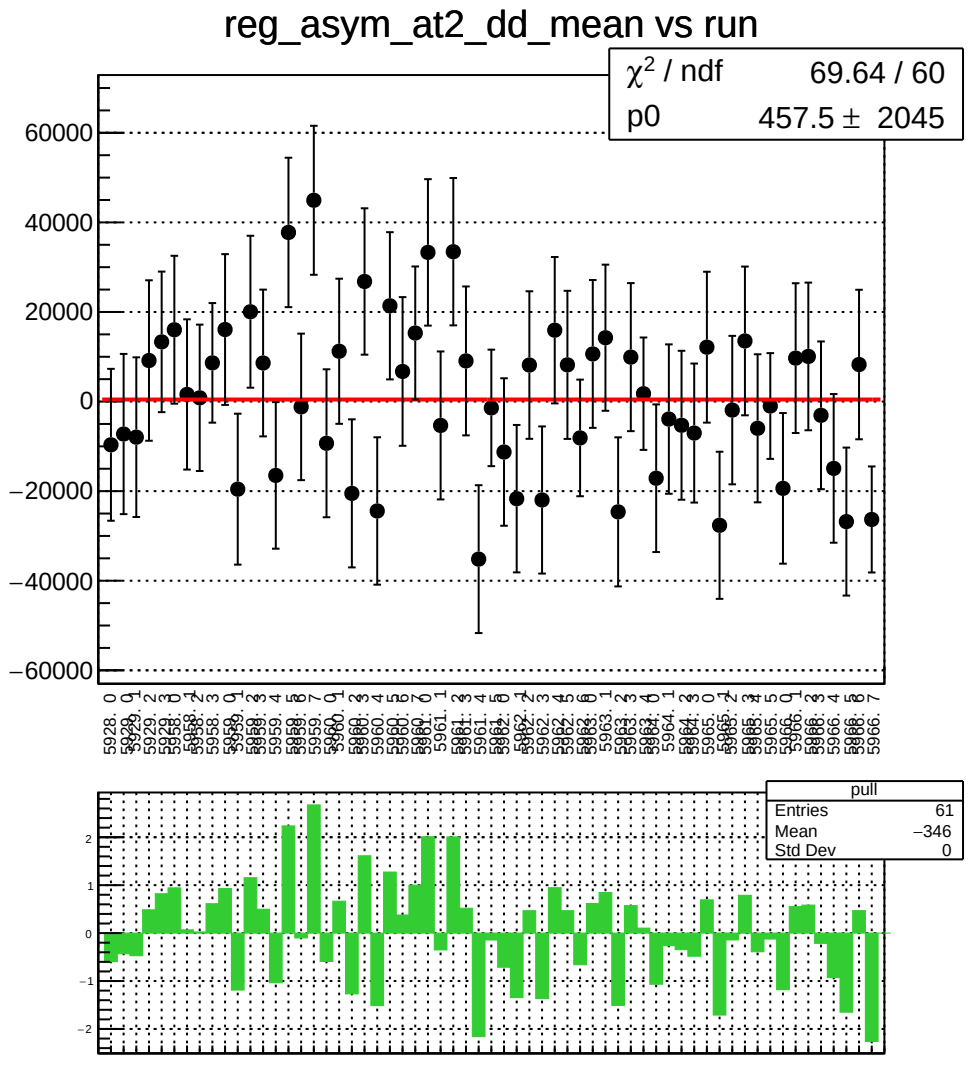

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.91 / 60
p0 0.338 ± 0.3568
pull
Entries 61
Mean −134.9
Std Dev 0
pull1D
Entries 61
Mean 0.01082
Std Dev 1.115

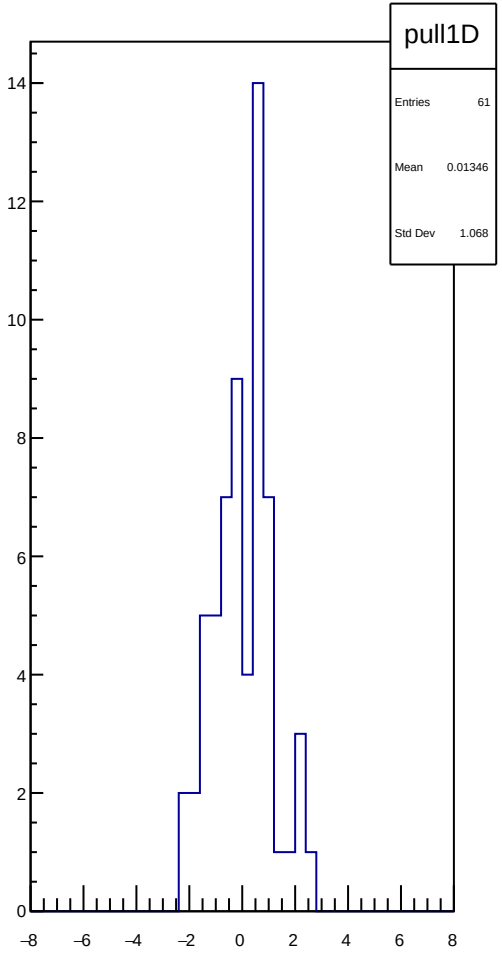

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.891e+04 / 60
p0 272.2 ± 0.2523
600
550
500
450
400
350
300
250
200

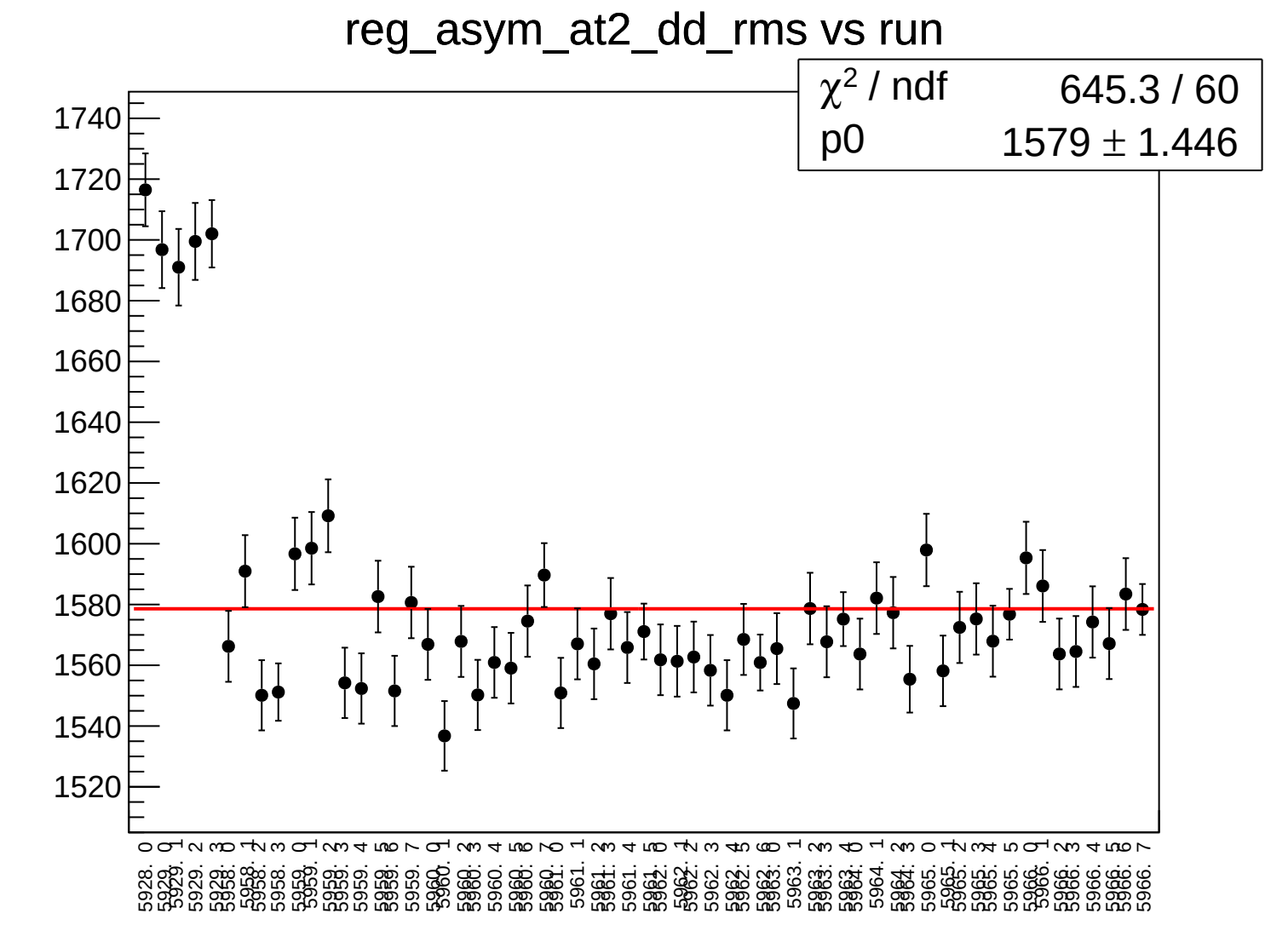

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.73 / 60
p0 −2.089e−13 ± 4.44e−13
pull
Entries 61
Mean −136.1
Std Dev 0

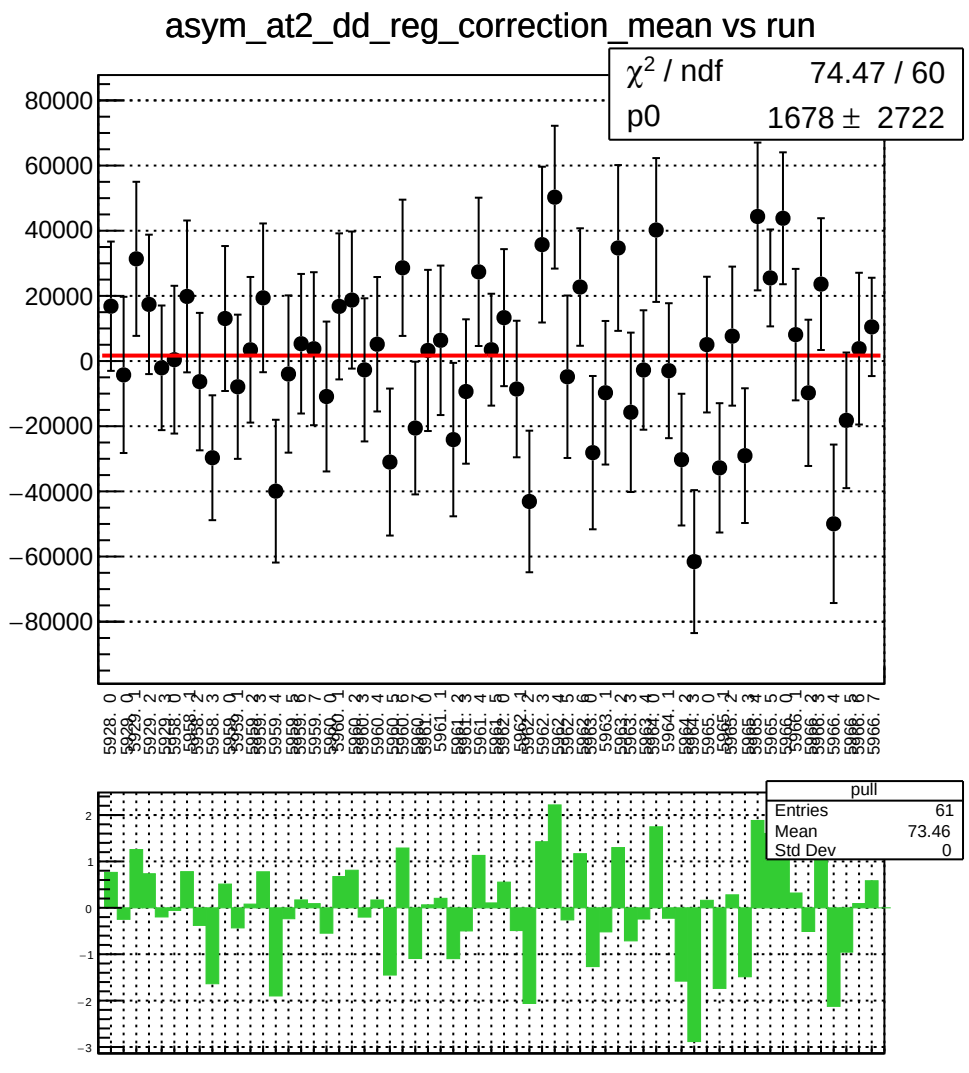

pull1D
Entries 61
Mean 0.01945
Std Dev 1.206

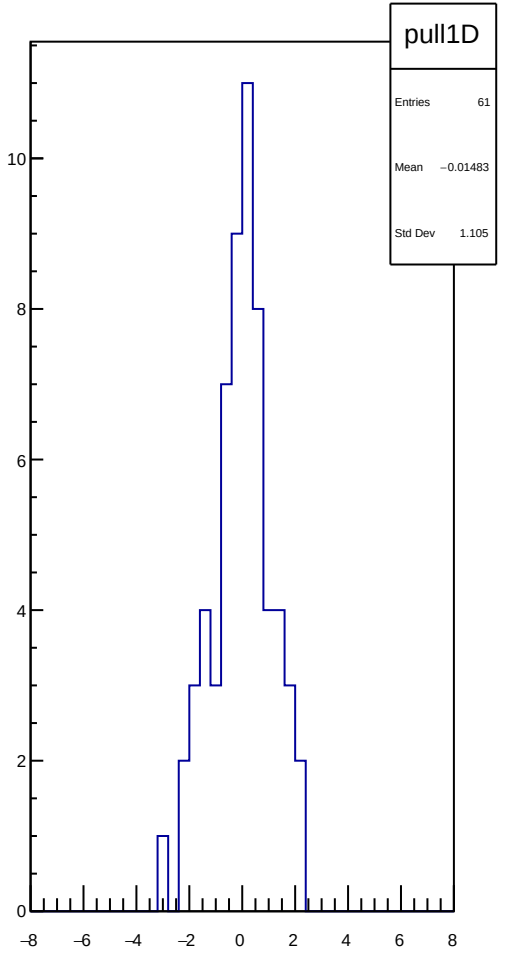

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.431e+05 / 60
p0 2.531e−10 ± 3.14e−13
2.5
2
1.5
1
0.5

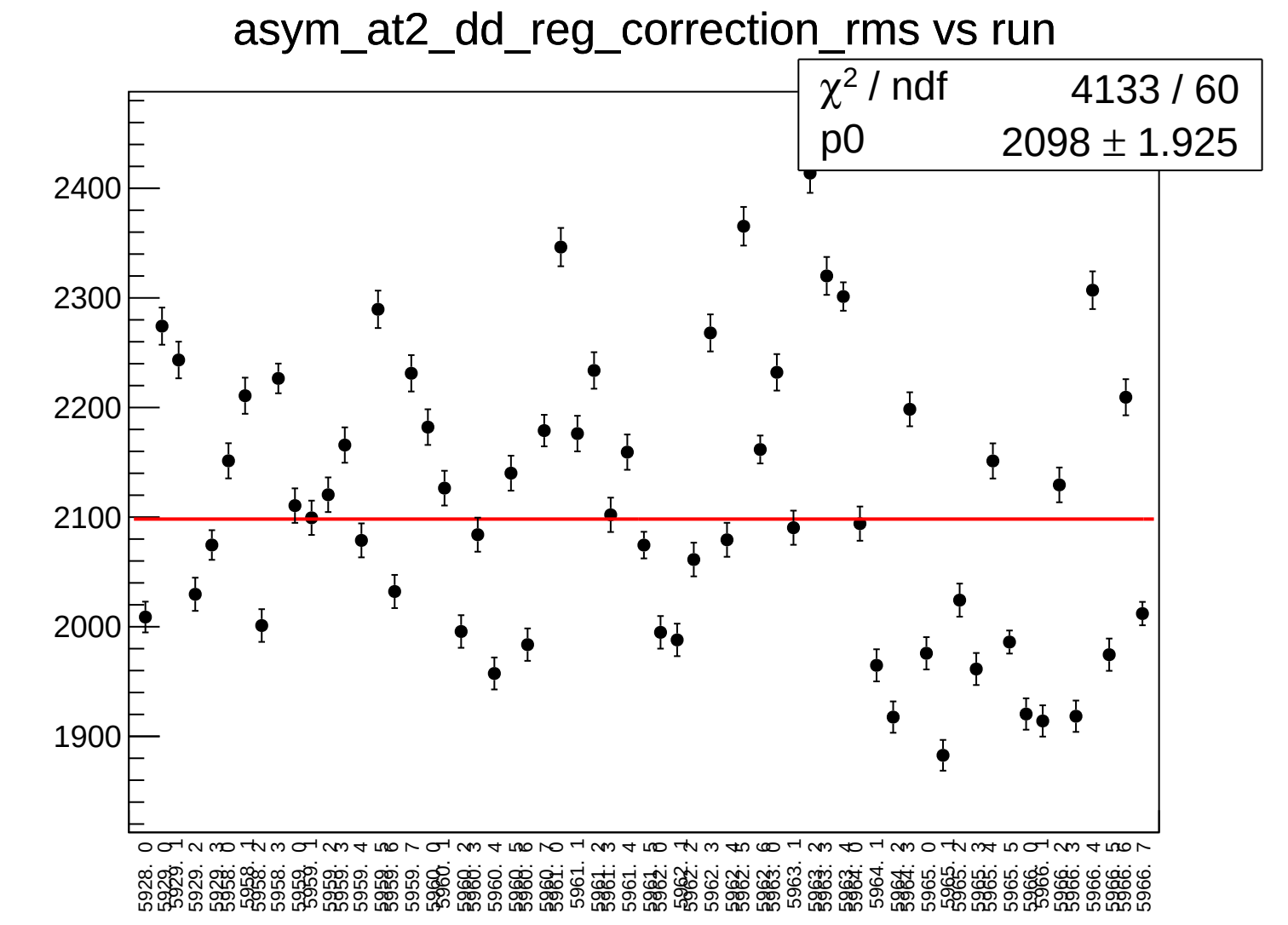

reg_asym_at2_dd_mean vs run
χ² / ndf 69.64 / 60
p0 457.5 ± 2045
pull
Entries 61
Mean −346
Std Dev 0

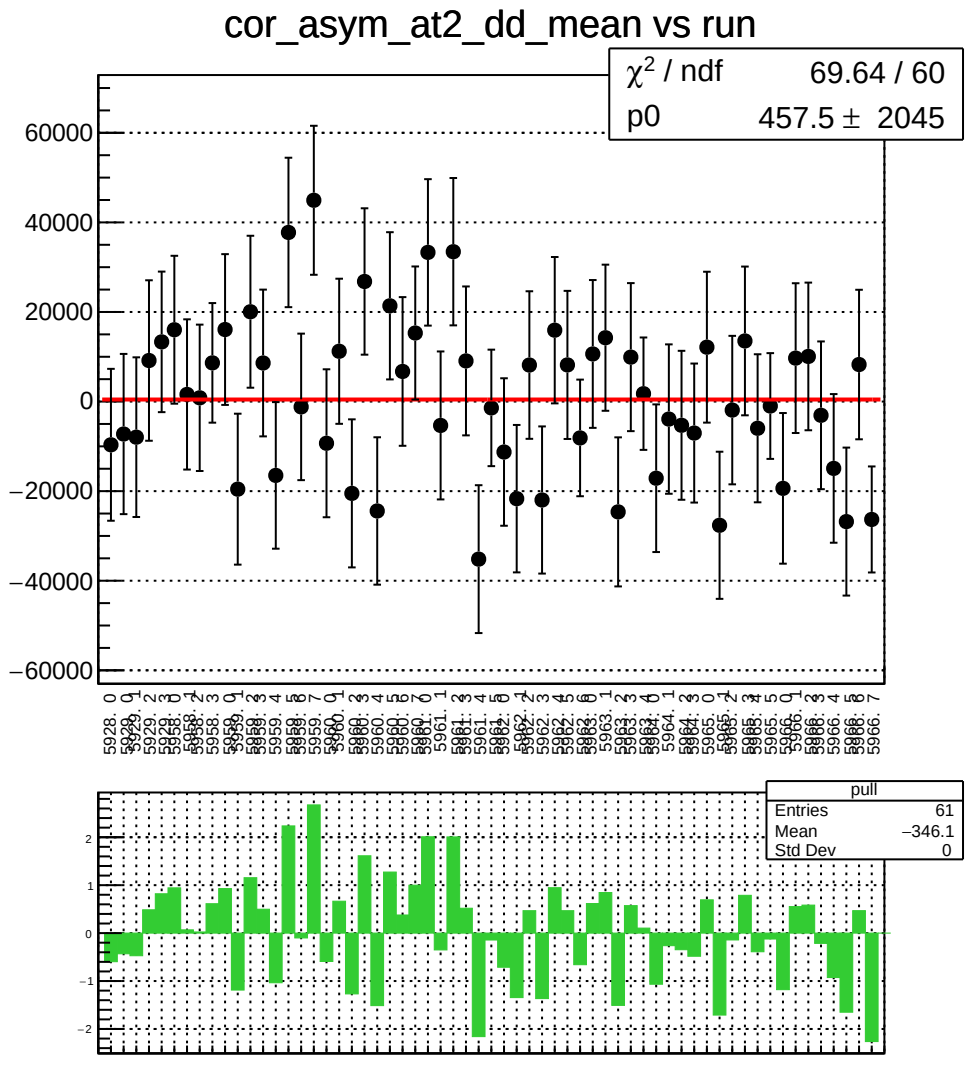

pull1D
Entries 61
Mean 0.01346
Std Dev 1.068

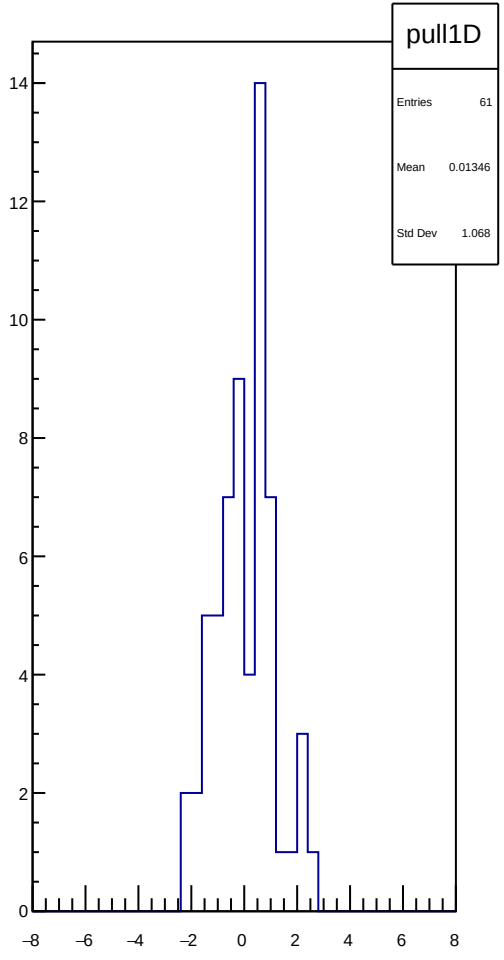

reg_asym_at2_dd_rms vs run
χ^2 / ndf 645.3 / 60
p0 1579 ± 1.446
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

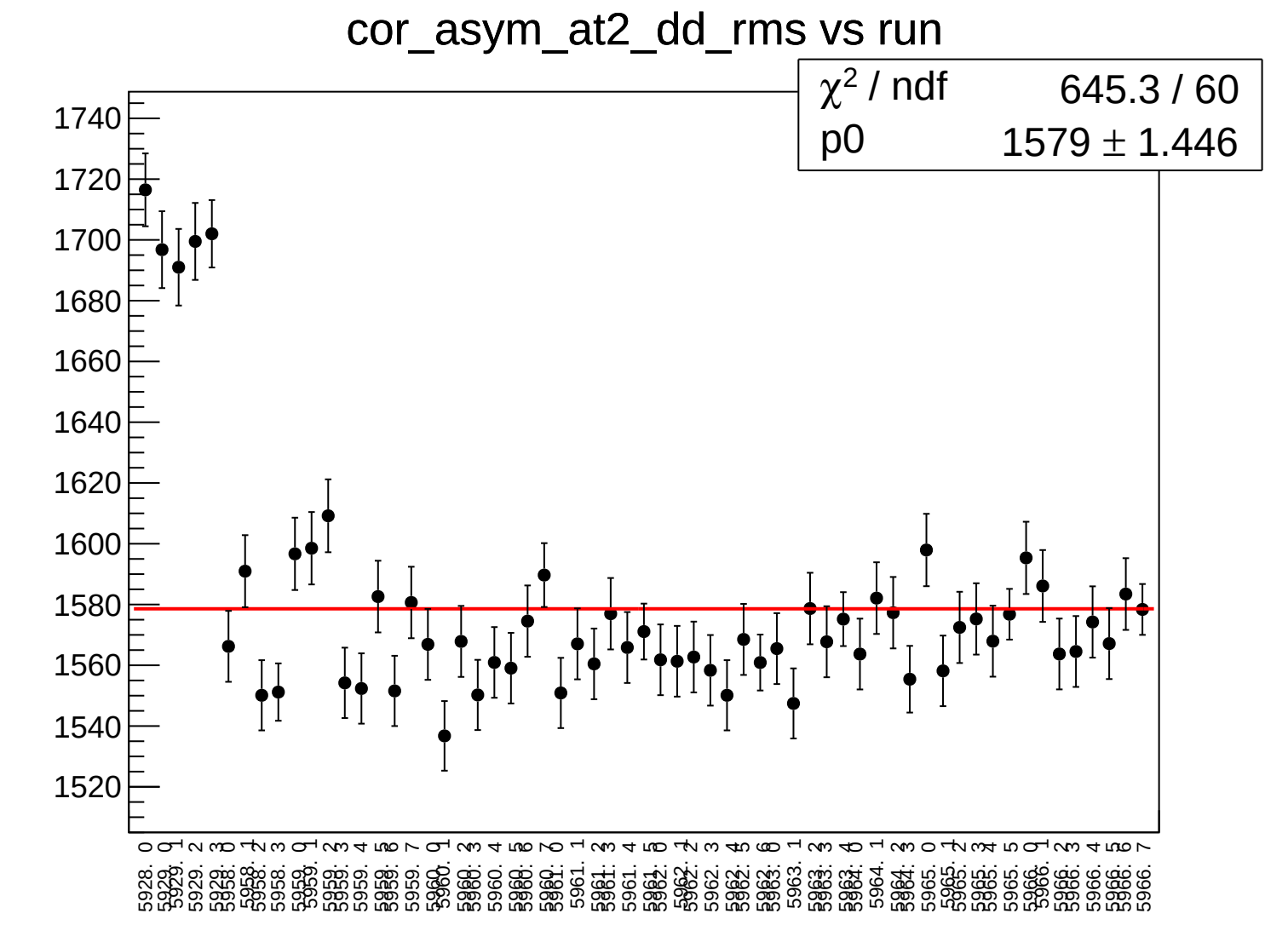

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 74.47 / 60
p0 1678 ± 2722
pull
Entries 61
Mean 73.46
Std Dev 0

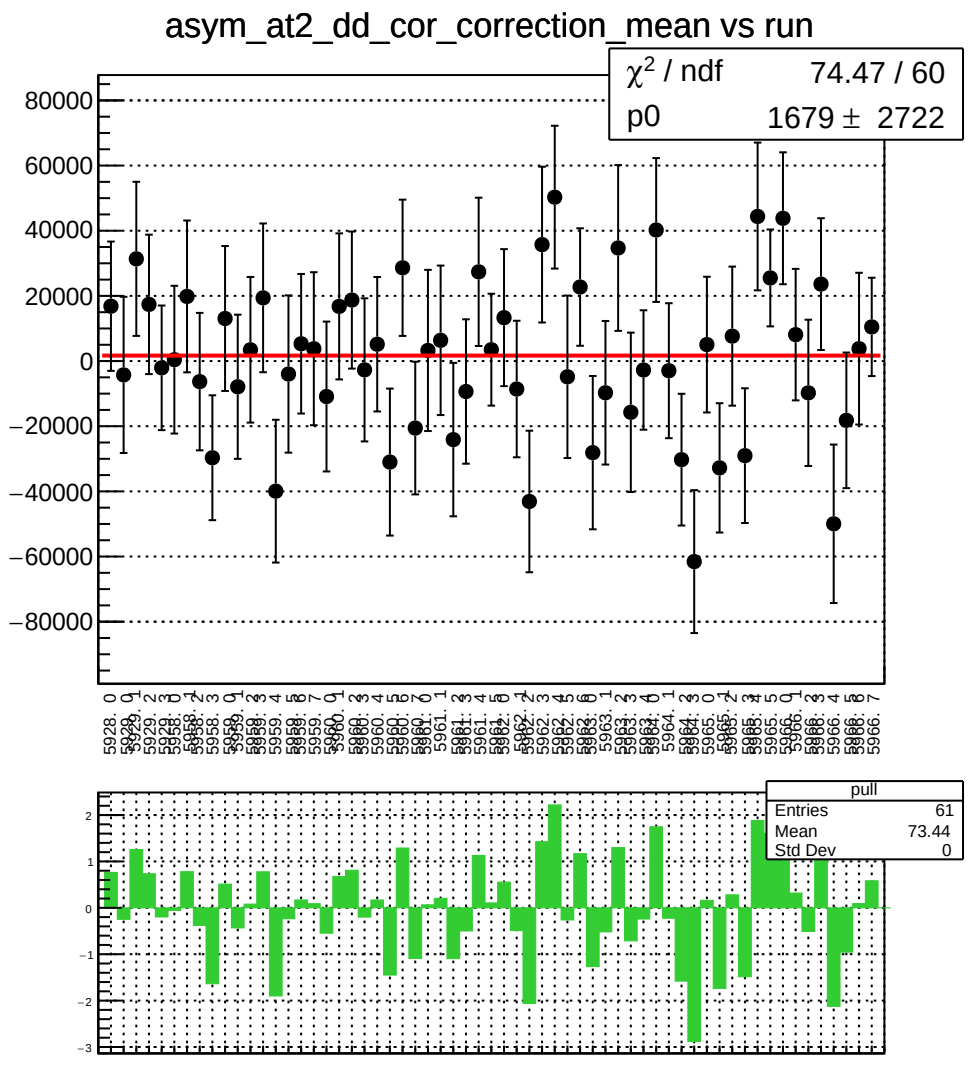

pull1D
Entries 61
Mean −0.01483
Std Dev 1.105

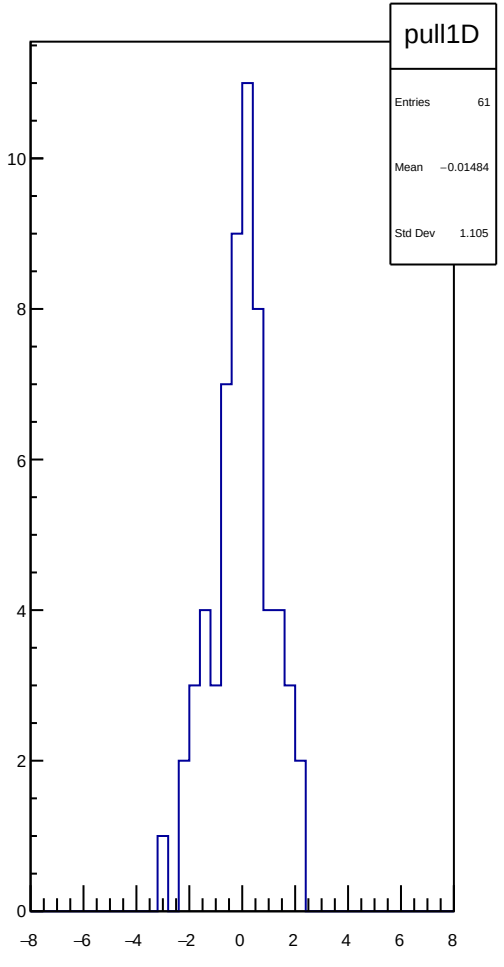

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4133 / 60
p0 2098 ± 1.925
2400
2300
2200
2100
2000
1900

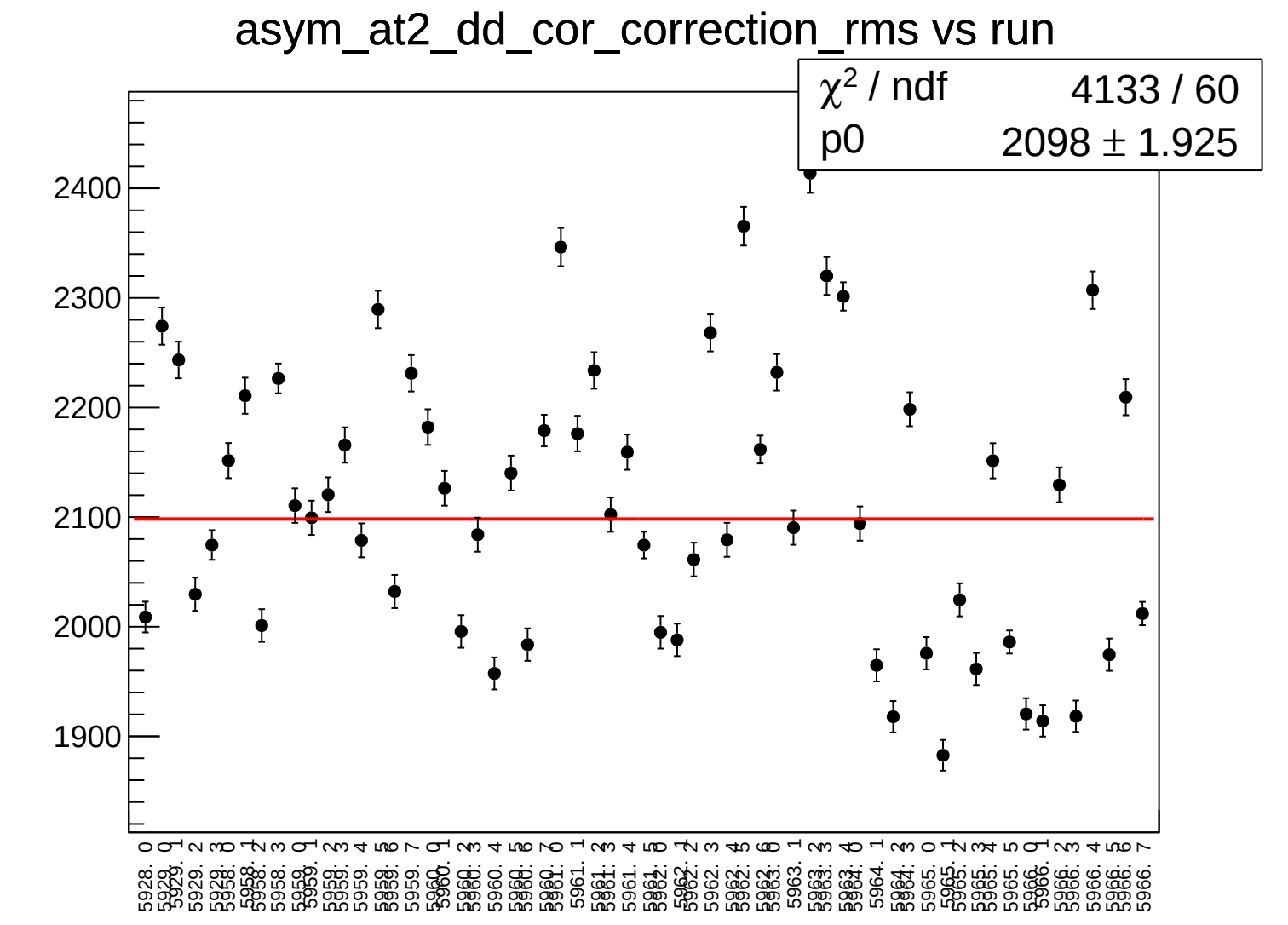

cor_asym_at2_dd_mean vs run
χ² / ndf 69.64 / 60
p0 457.5 ± 2045
pull
Entries 61
Mean −346.1
Std Dev 0

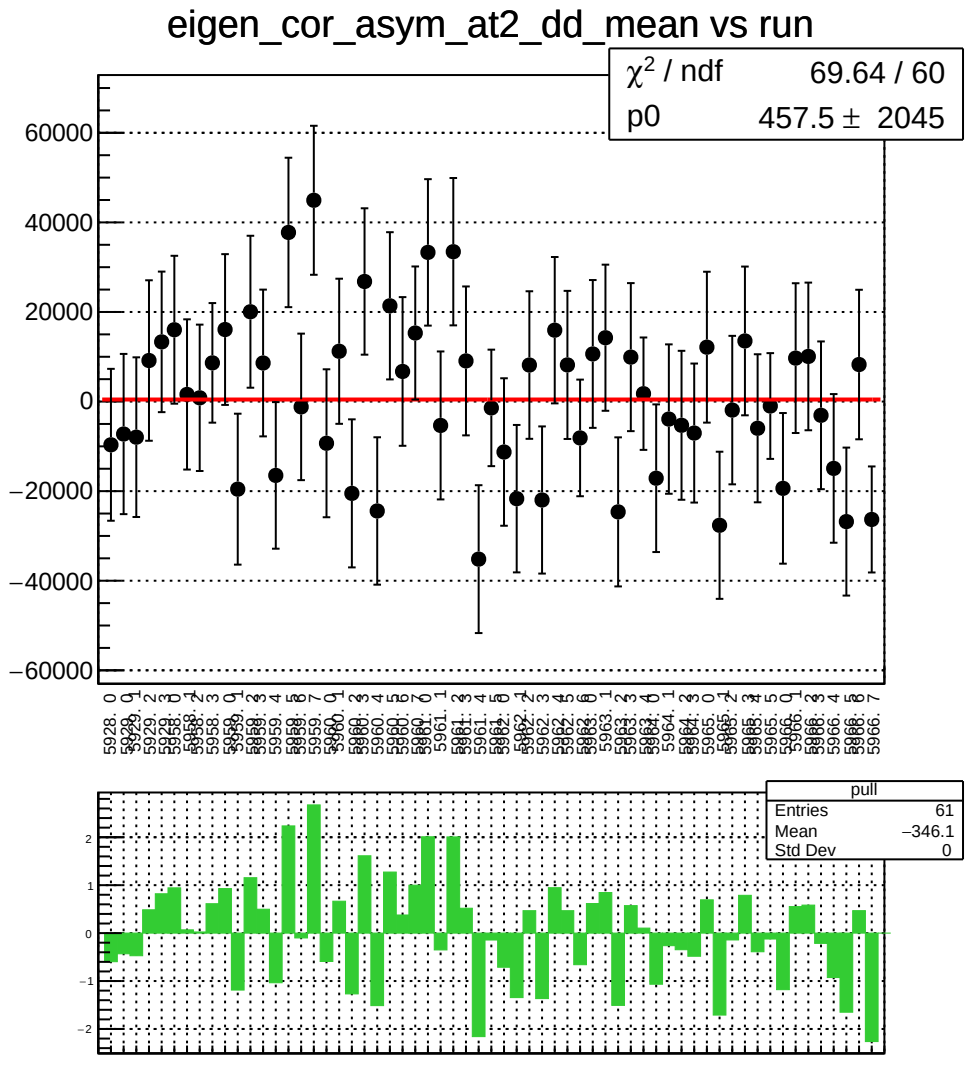

pull1D
Entries 61
Mean 0.01346
Std Dev 1.068

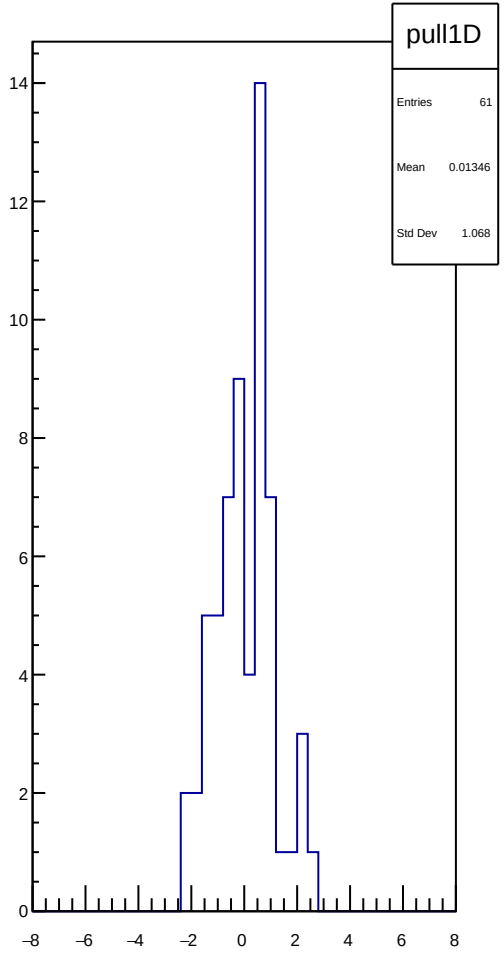

cor_asym_at2_dd_rms vs run
χ^2 / ndf 645.3 / 60
p0 1579 ± 1.446
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

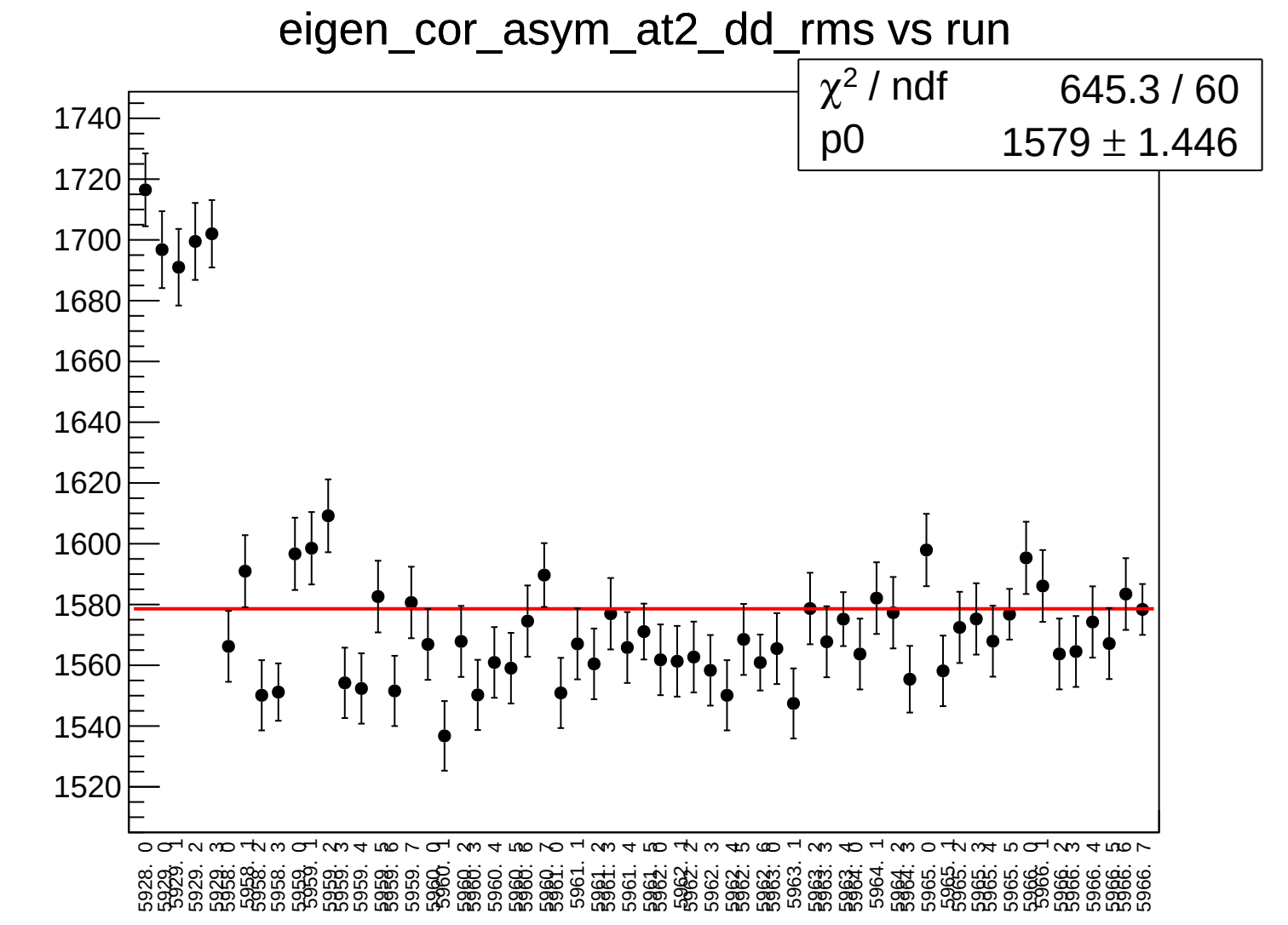

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 74.47 / 60
p0 1679 ± 2722
pull
Entries 61
Mean 73.44
Std Dev 0

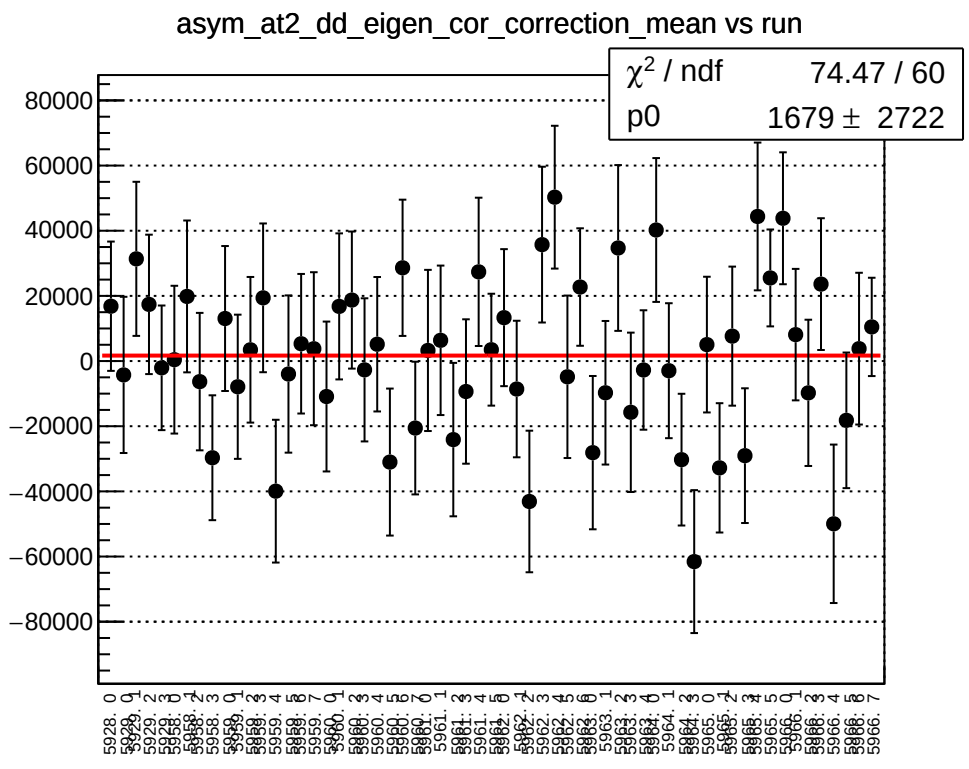

pull1D
Entries 61
Mean −0.01484
Std Dev 1.105

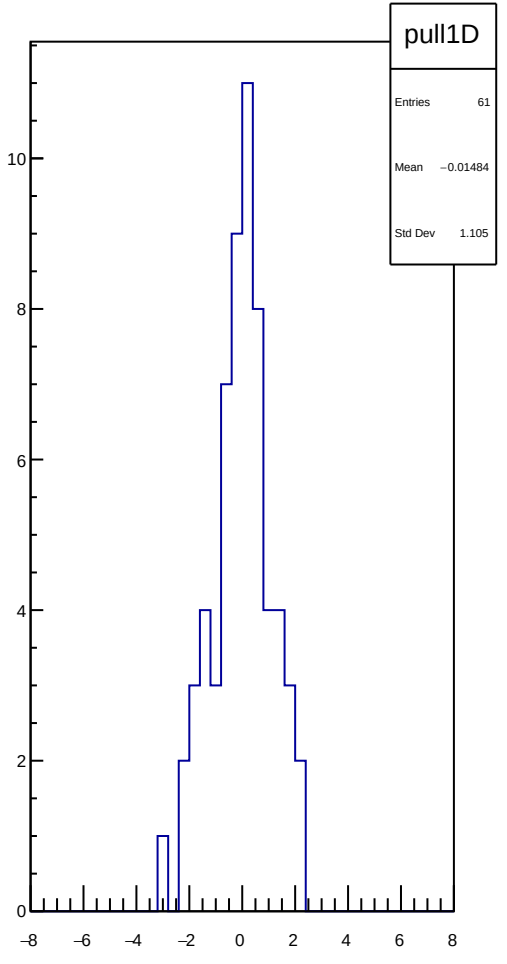

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4133 / 60
p0 2098 ± 1.925
2400
2300
2200
2100
2000
1900

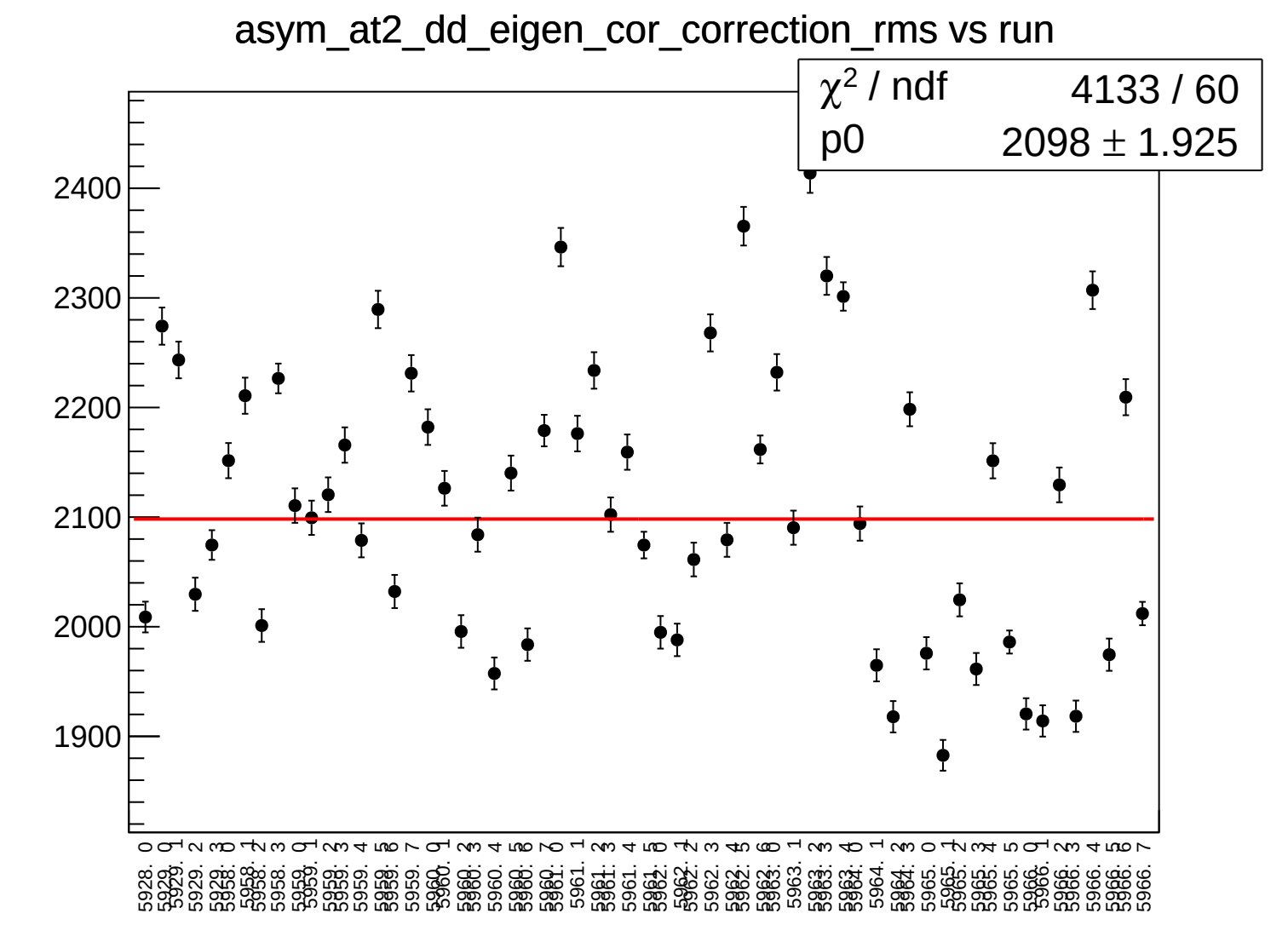

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 69.64 / 60
p0 457.5 ± 2045
pull
Entries 61
Mean −346.1
Std Dev 0

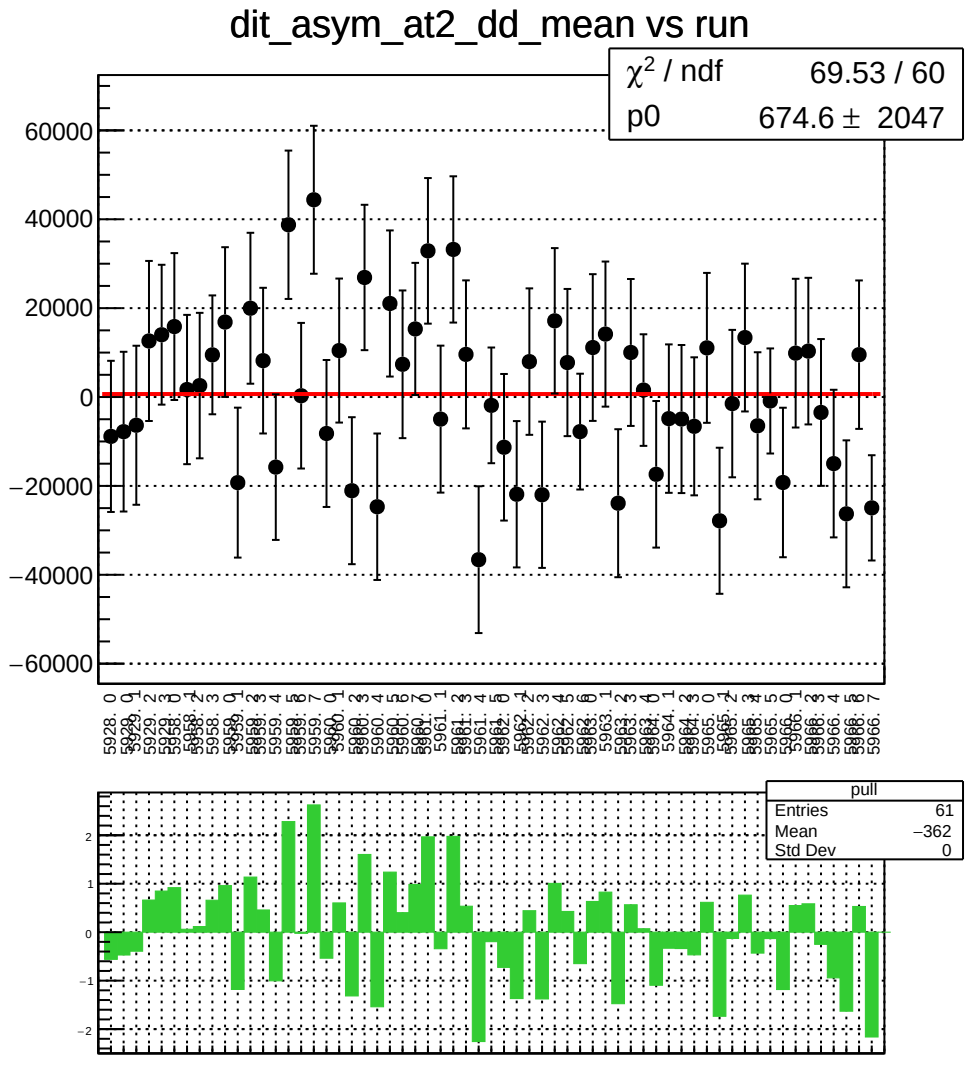

pull1D
Entries 61
Mean 0.01346
Std Dev 1.068

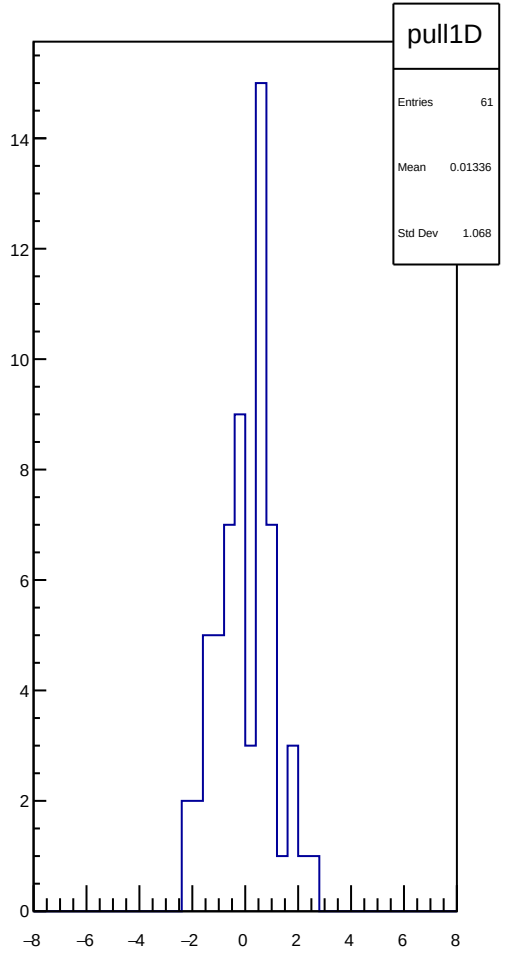

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 645.3 / 60
p0 1579 ± 1.446
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

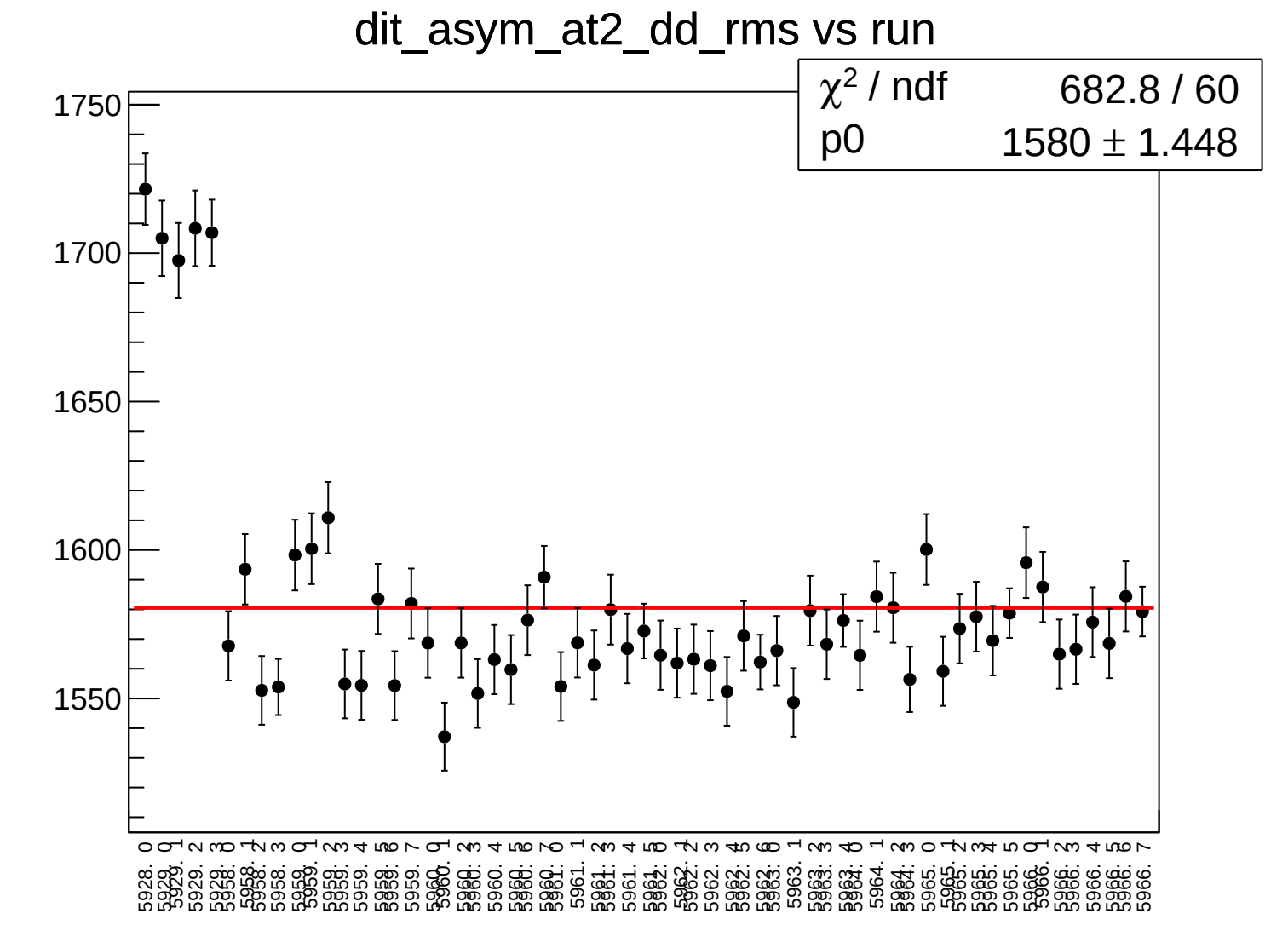

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.47 / 60
p0 1679 ± 2722
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 61
Mean 73.44
Std Dev 0
2
1
0
−1
−2
−3

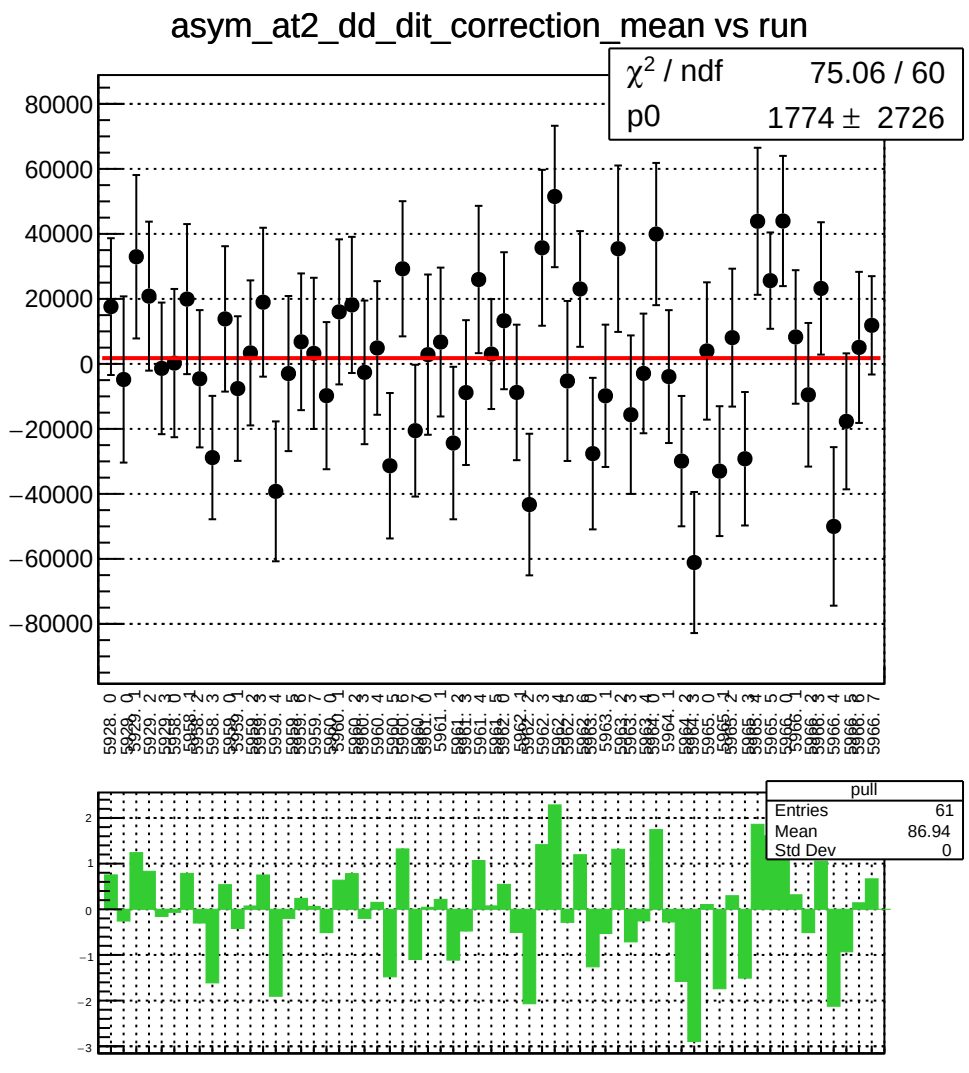

pull1D
Entries 61
Mean −0.01484
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

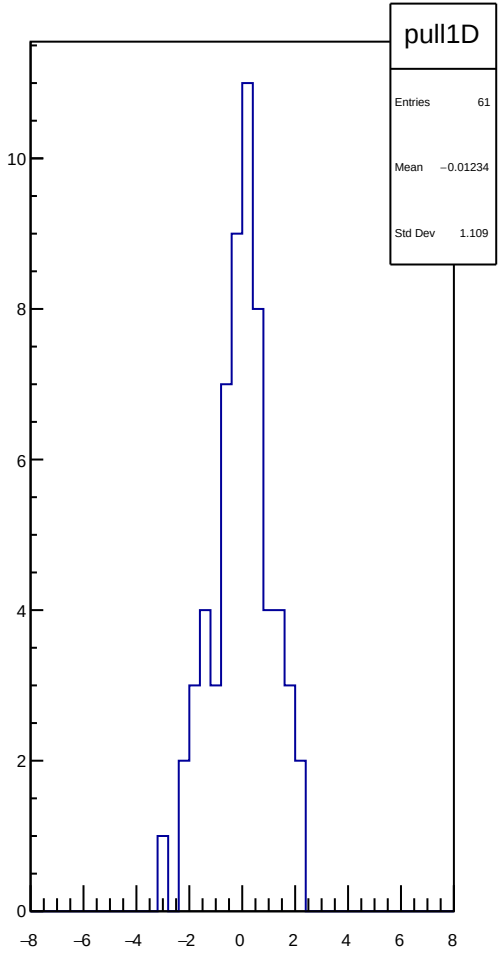

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4133 / 60
p0 2098 ± 1.925
2400
2300
2200
2100
2000
1900

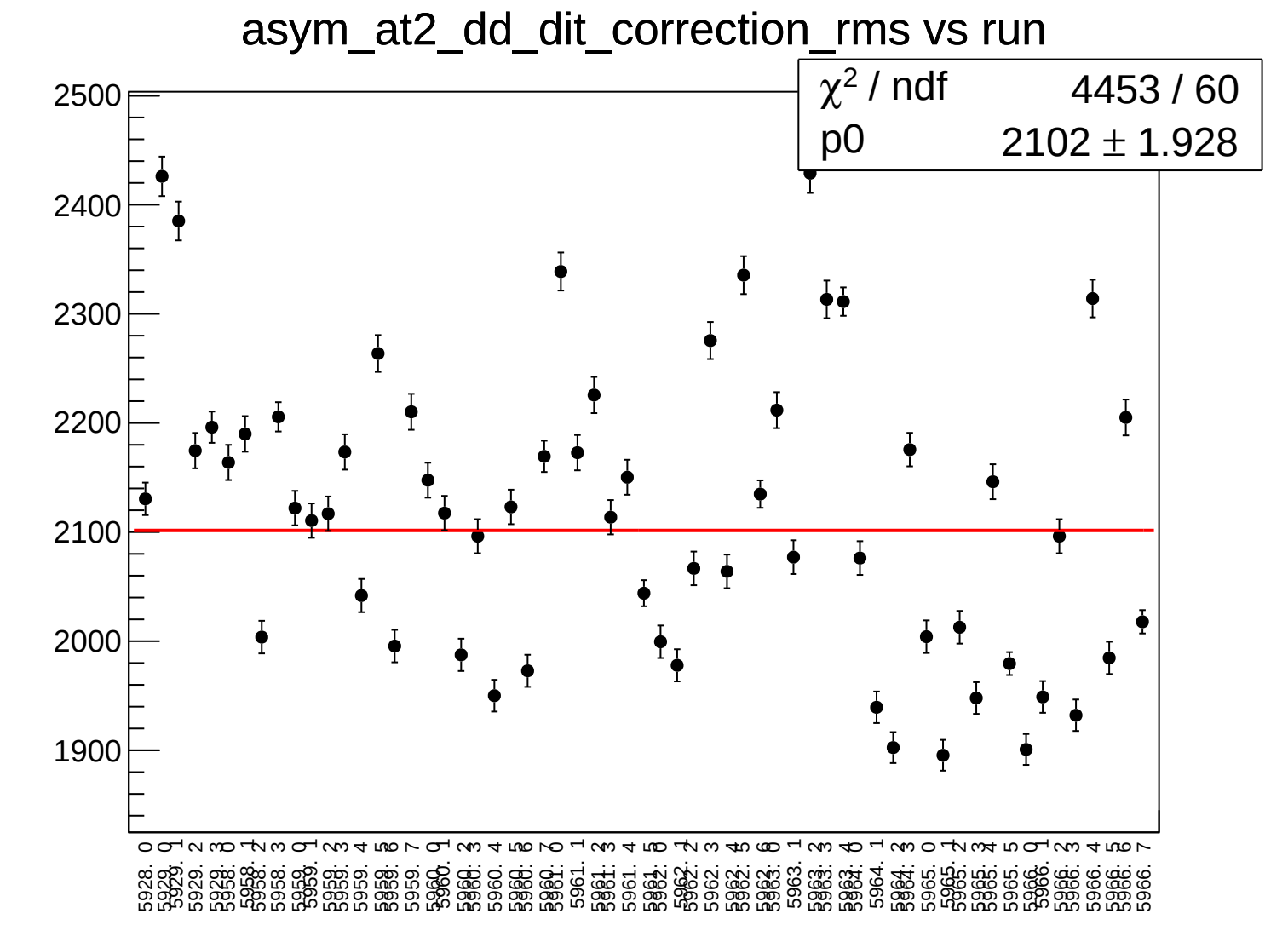

dit_asym_at2_dd_mean vs run
χ² / ndf 69.53 / 60
p0 674.6 ± 2047
pull
Entries 61
Mean −362
Std Dev 0

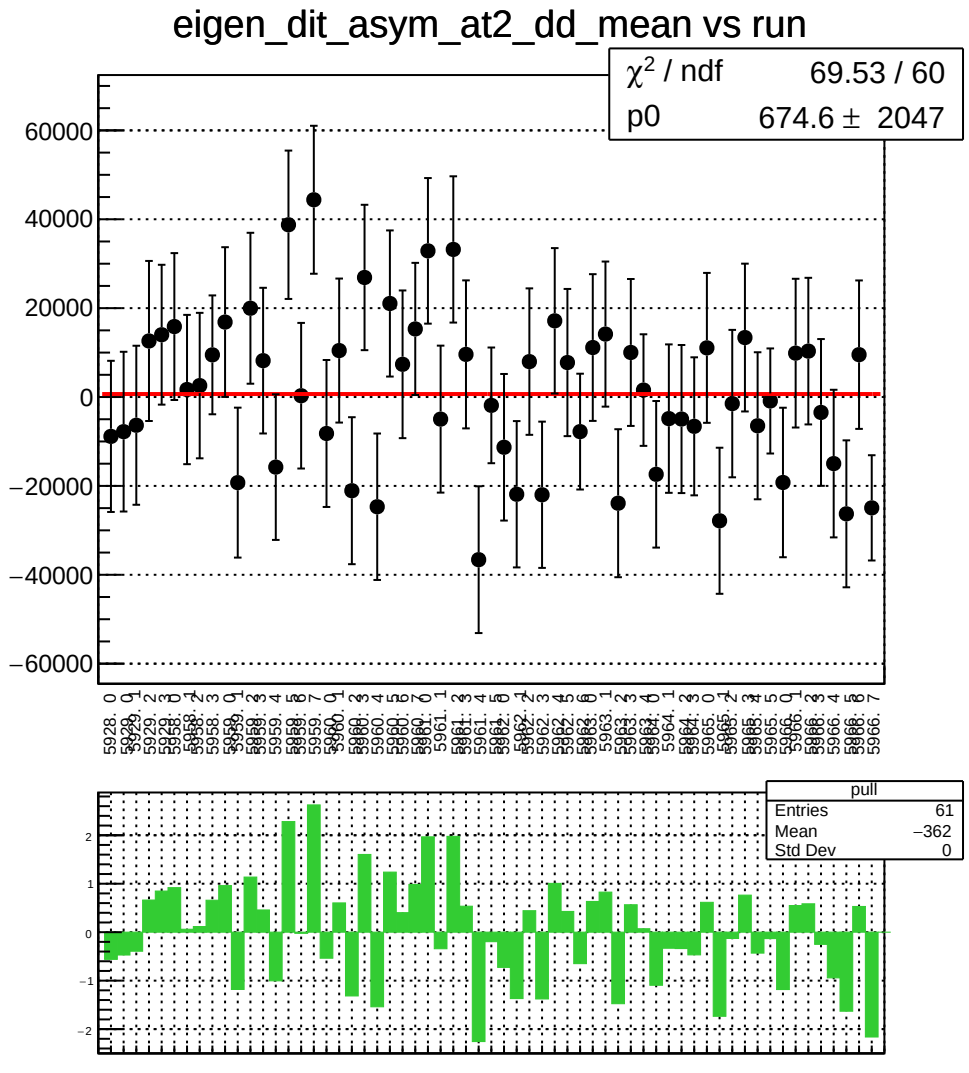

pull1D
Entries 61
Mean 0.01336
Std Dev 1.068

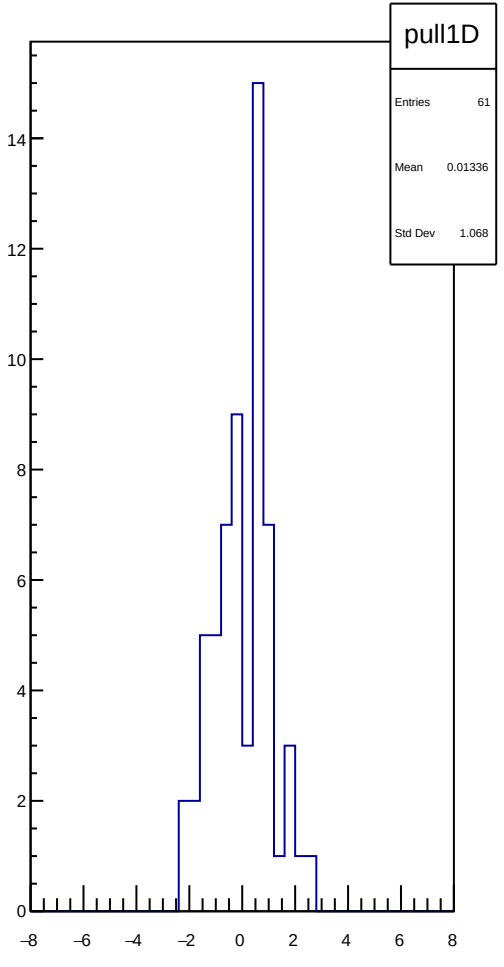

dit_asym_at2_dd_rms vs run
χ² / ndf 682.8 / 60
p0 1580 ± 1.448
1750
1700
1650
1600
1550

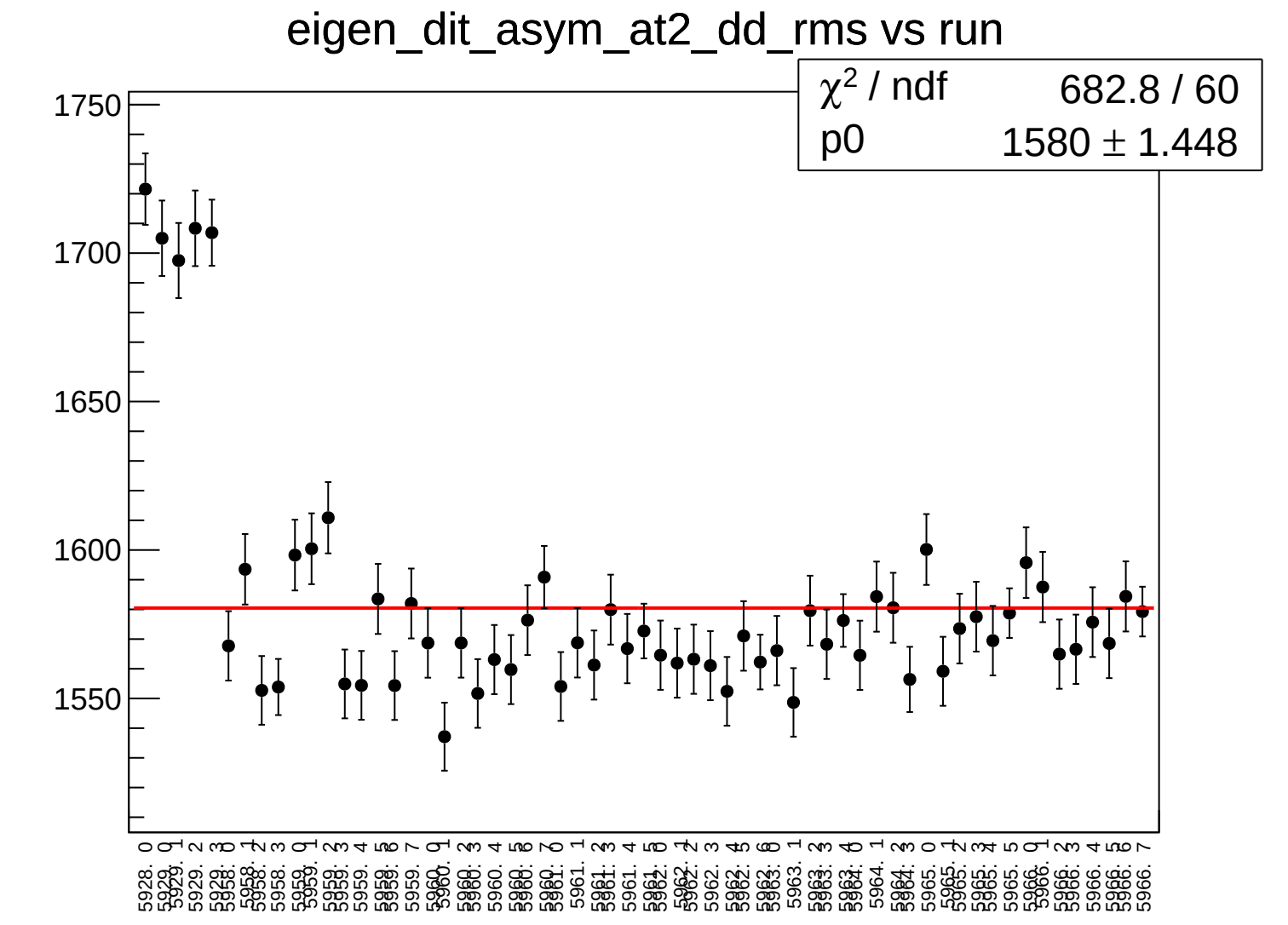

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 75.06 / 60
p0 1774 ± 2726
pull
Entries 61
Mean 86.94
Std Dev 0

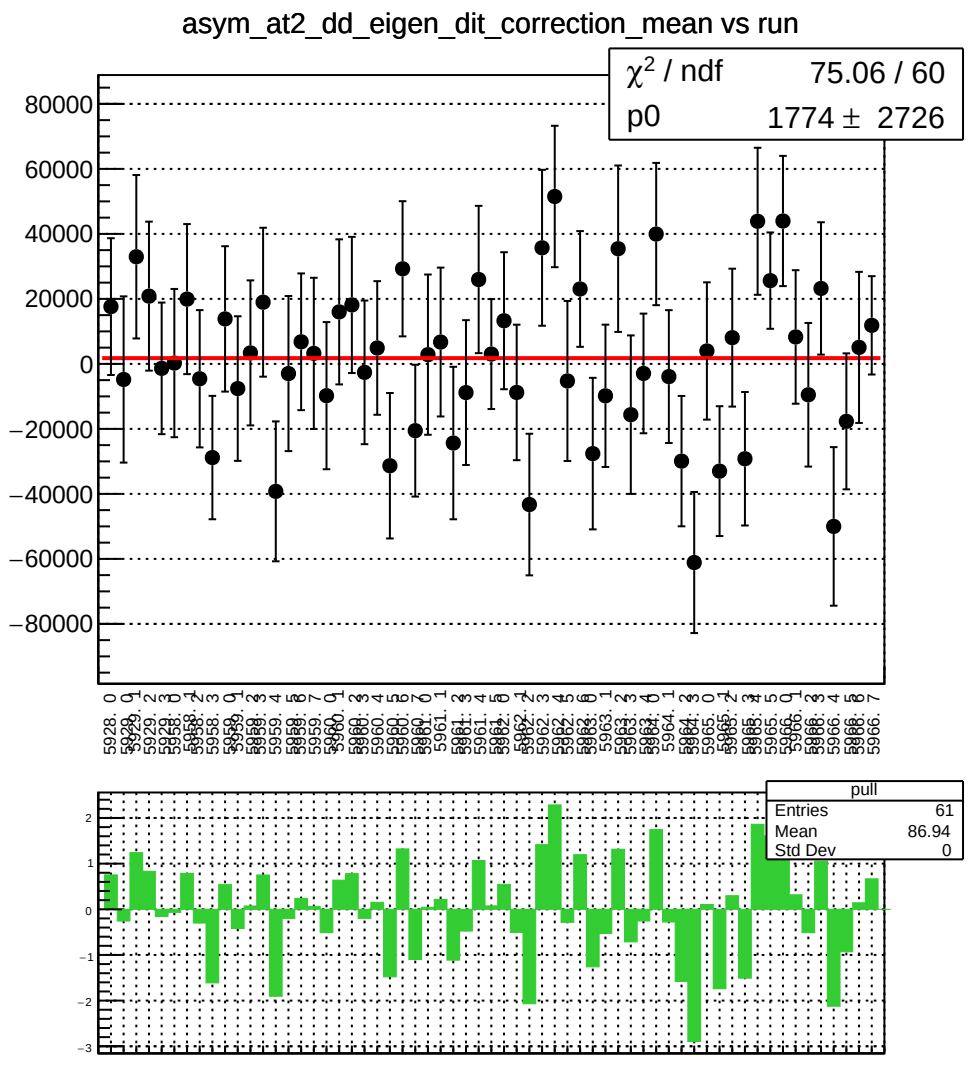

pull1D
Entries 61
Mean −0.01234
Std Dev 1.109

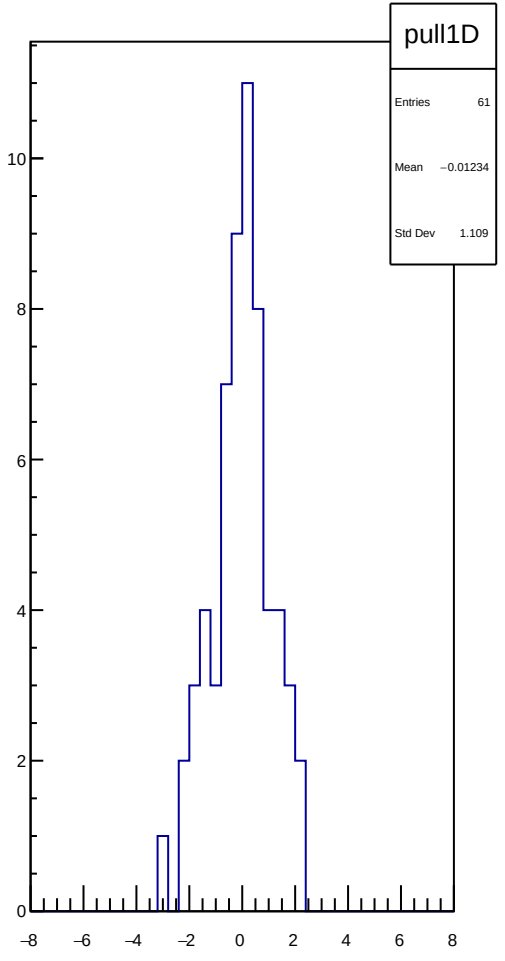

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 4453 / 60
p0 2102 ± 1.928
2500
2400
2300
2200
2100
2000
1900

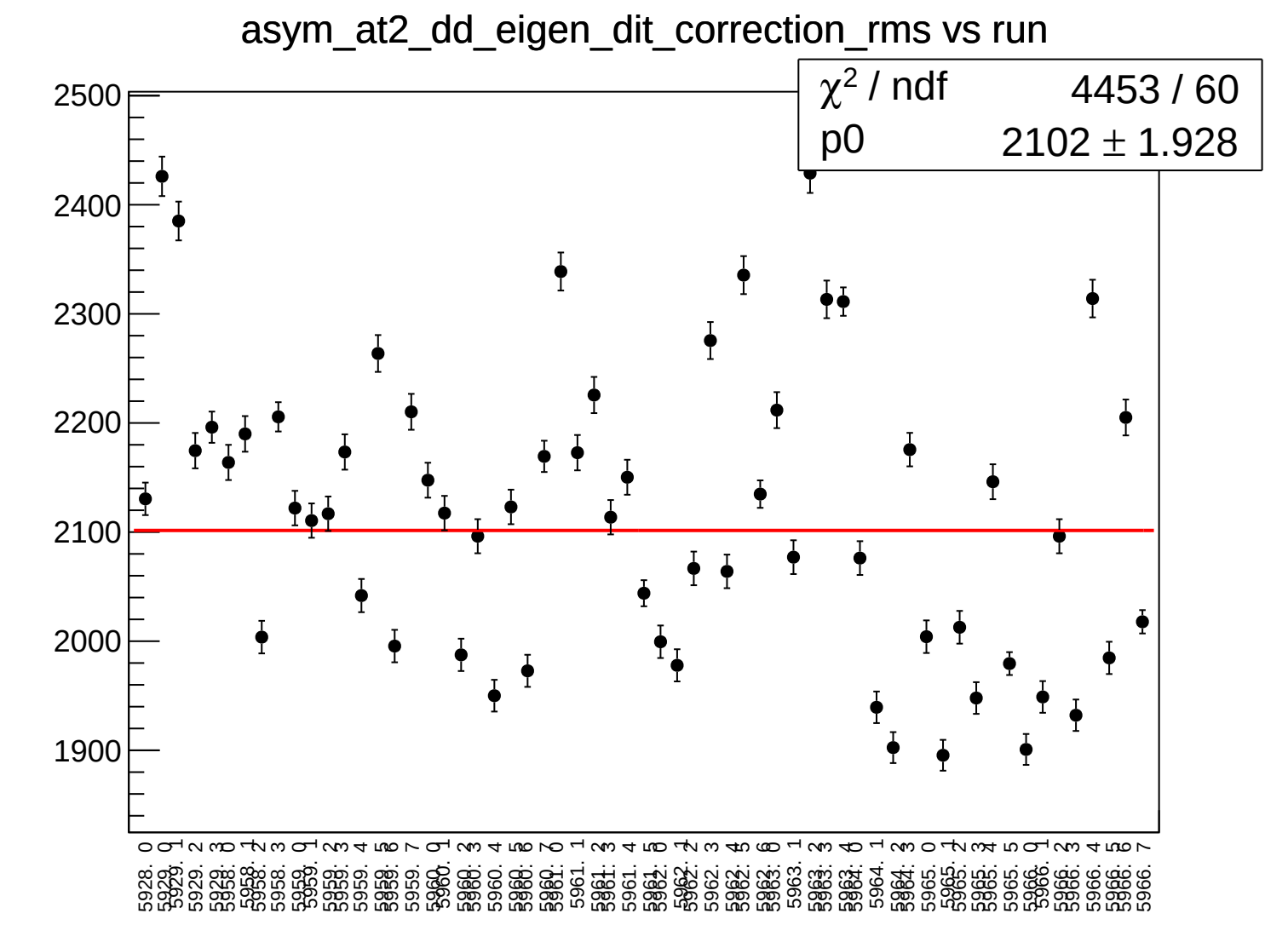

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 69.53 / 60
p0 674.6 ± 2047
pull
Entries 61
Mean −362
Std Dev 0

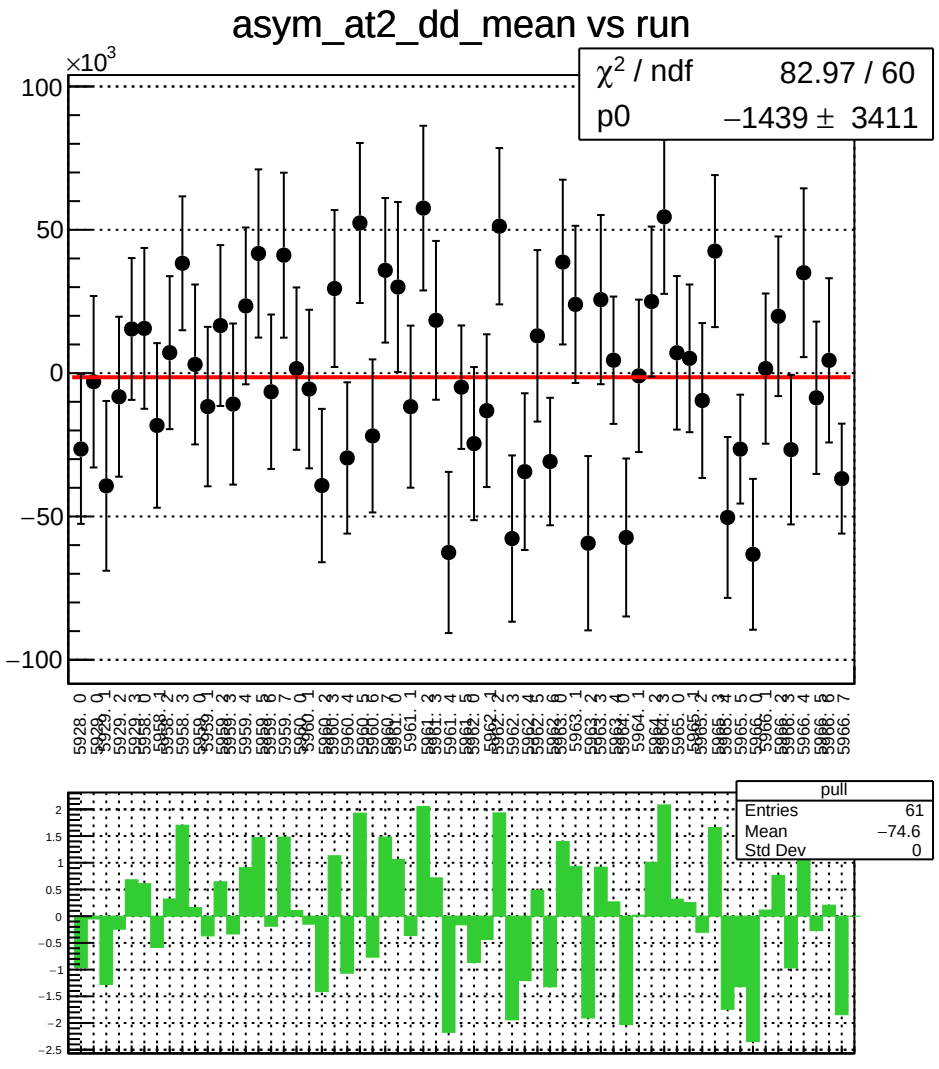

pull1D
Entries 61
Mean 0.01336
Std Dev 1.068

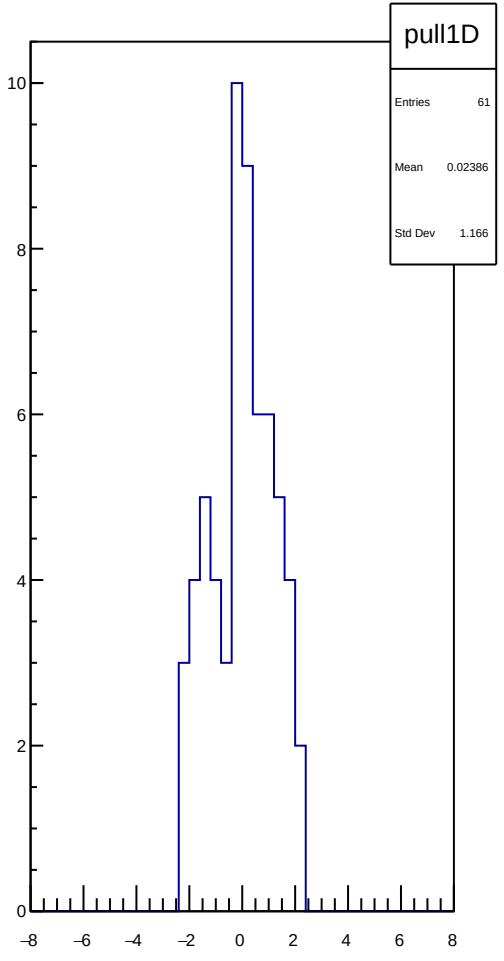

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 682.8 / 60
p0 1580 ± 1.448
1750
1700
1650
1600
1550

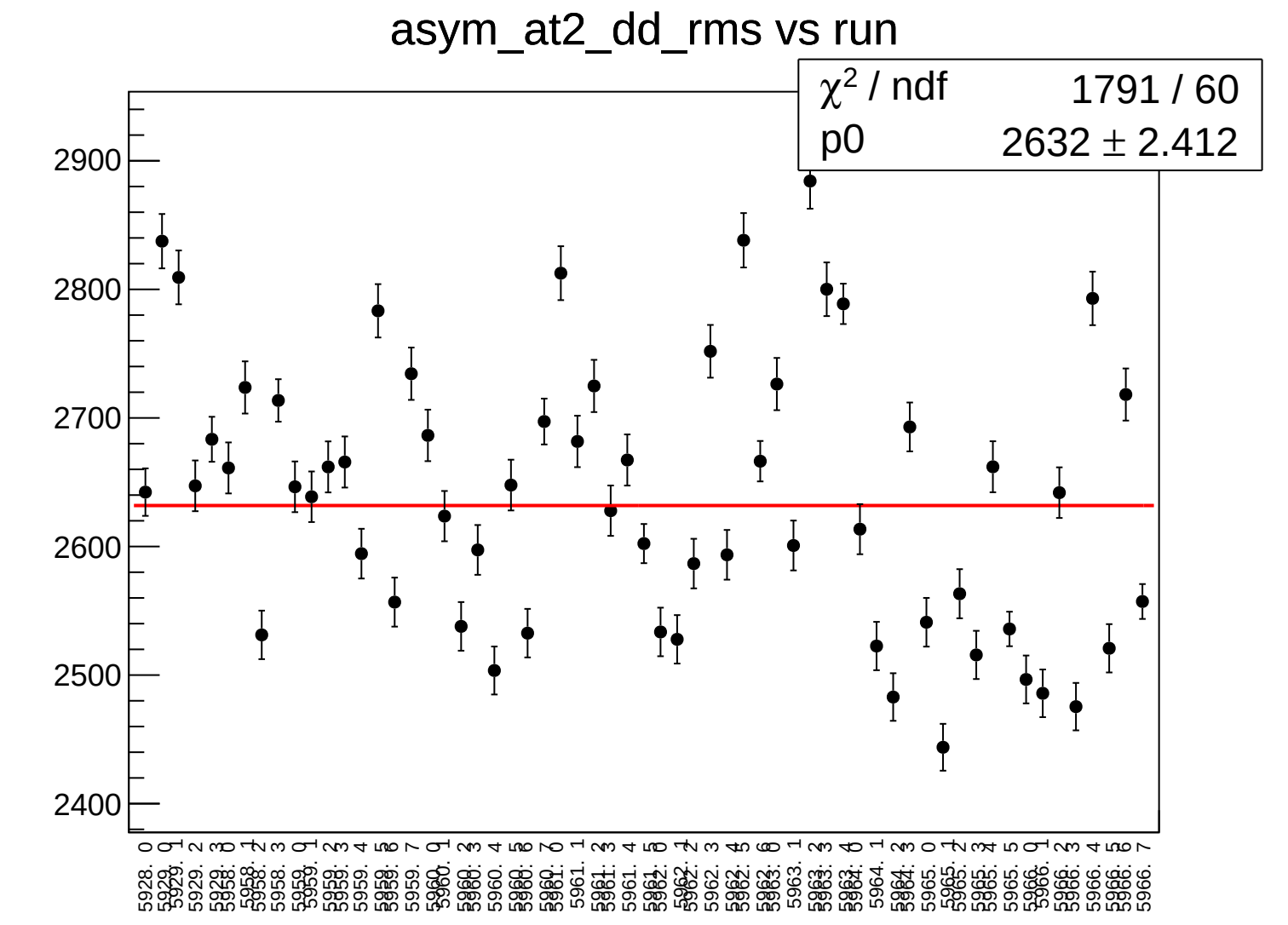

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.06 / 60
p0 1774 ± 2726
pull
Entries 61
Mean 86.94
Std Dev 0

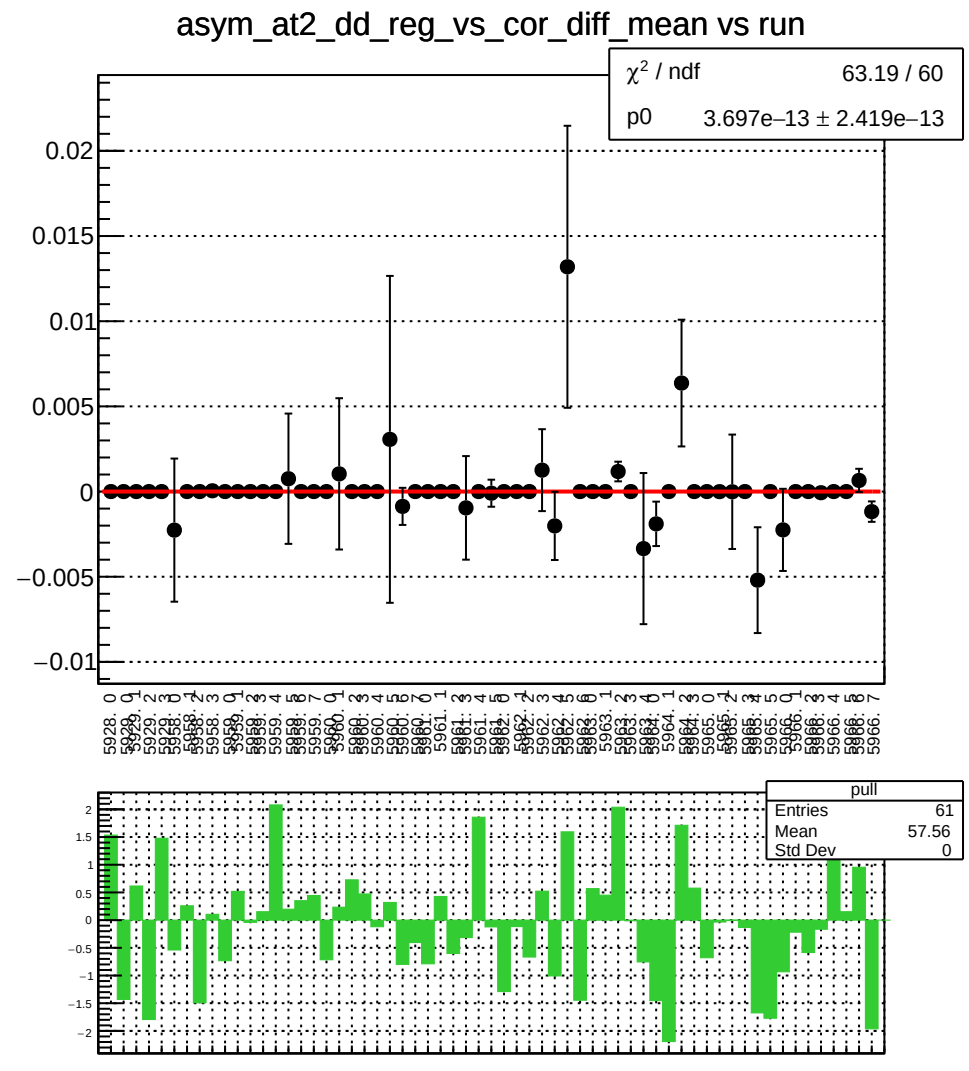

pull1D
Entries 61
Mean −0.01234
Std Dev 1.109

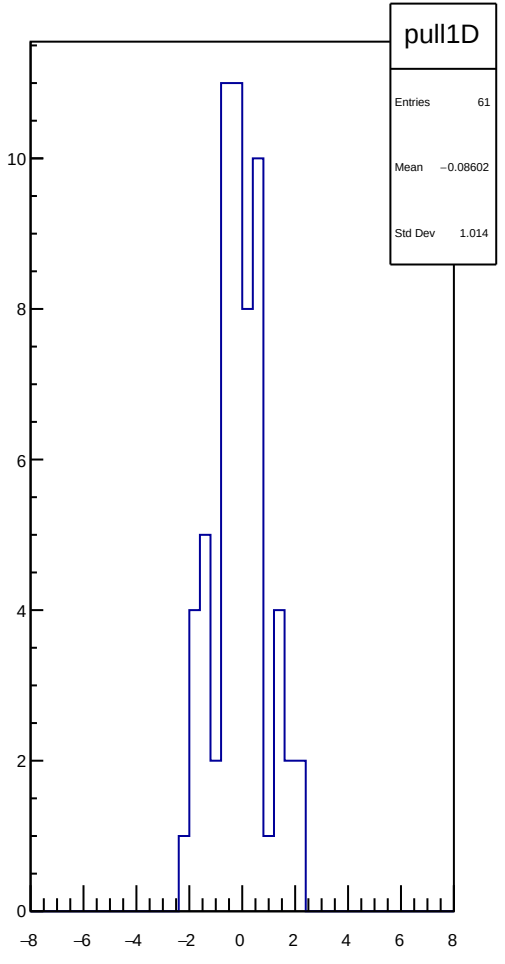

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 4453 / 60
p0 2102 ± 1.928
2500
2400
2300
2200
2100
2000
1900

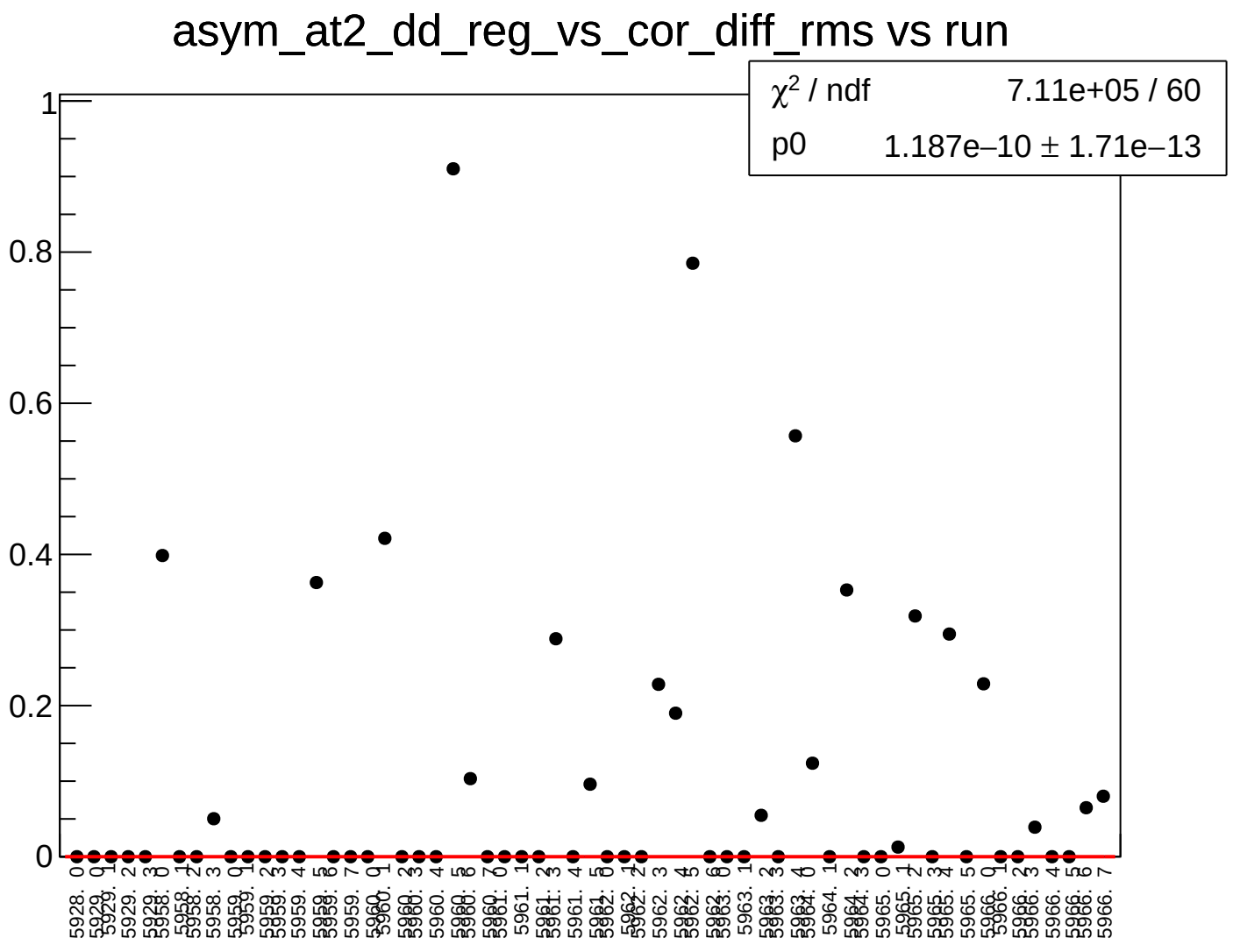

asym_at2_dd_mean vs run
×10^3
χ² / ndf 82.97 / 60
p0 −1439 ± 3411
pull
Entries 61
Mean −74.6
Std Dev 0

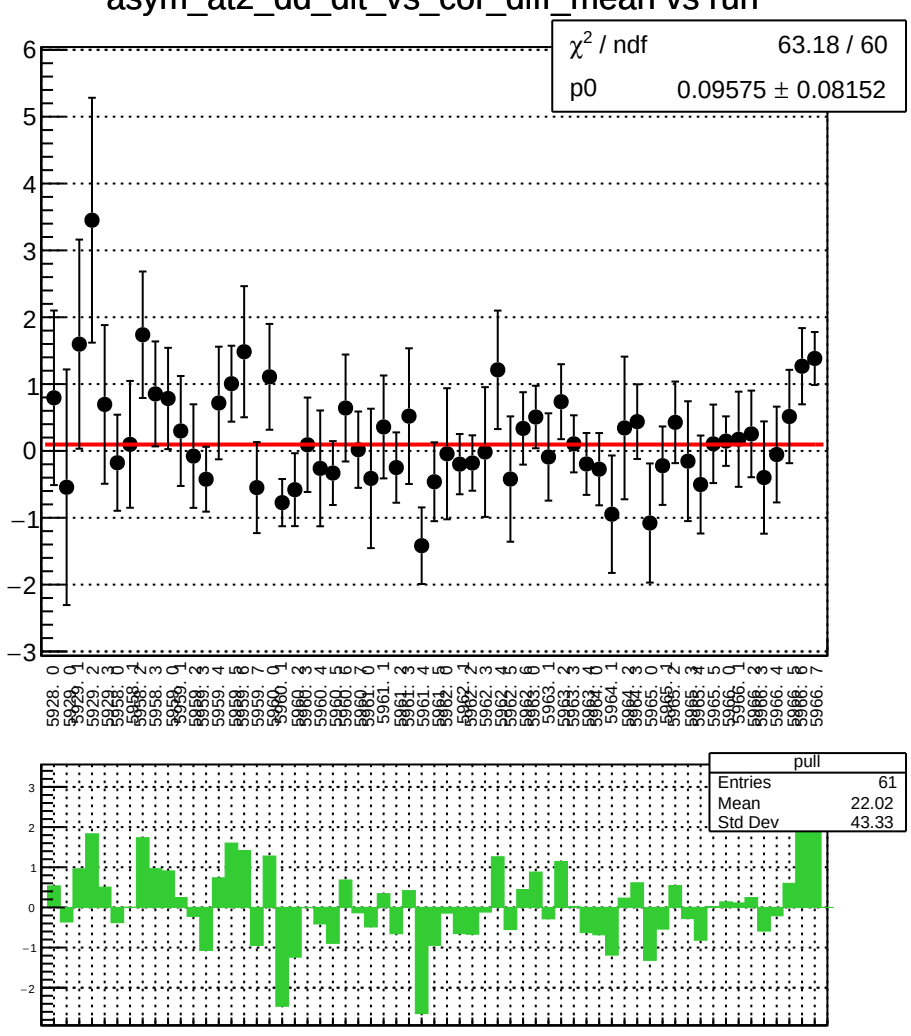

pull1D
Entries 61
Mean 0.02386
Std Dev 1.166

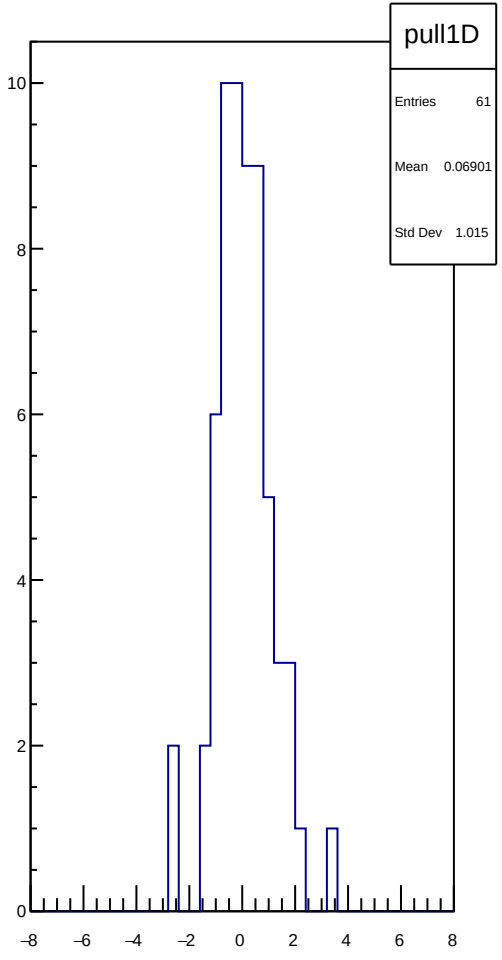

asym_at2_dd_rms vs run
χ² / ndf 1791 / 60
p0 2632 ± 2.412
2900
2800
2700
2600
2500
2400

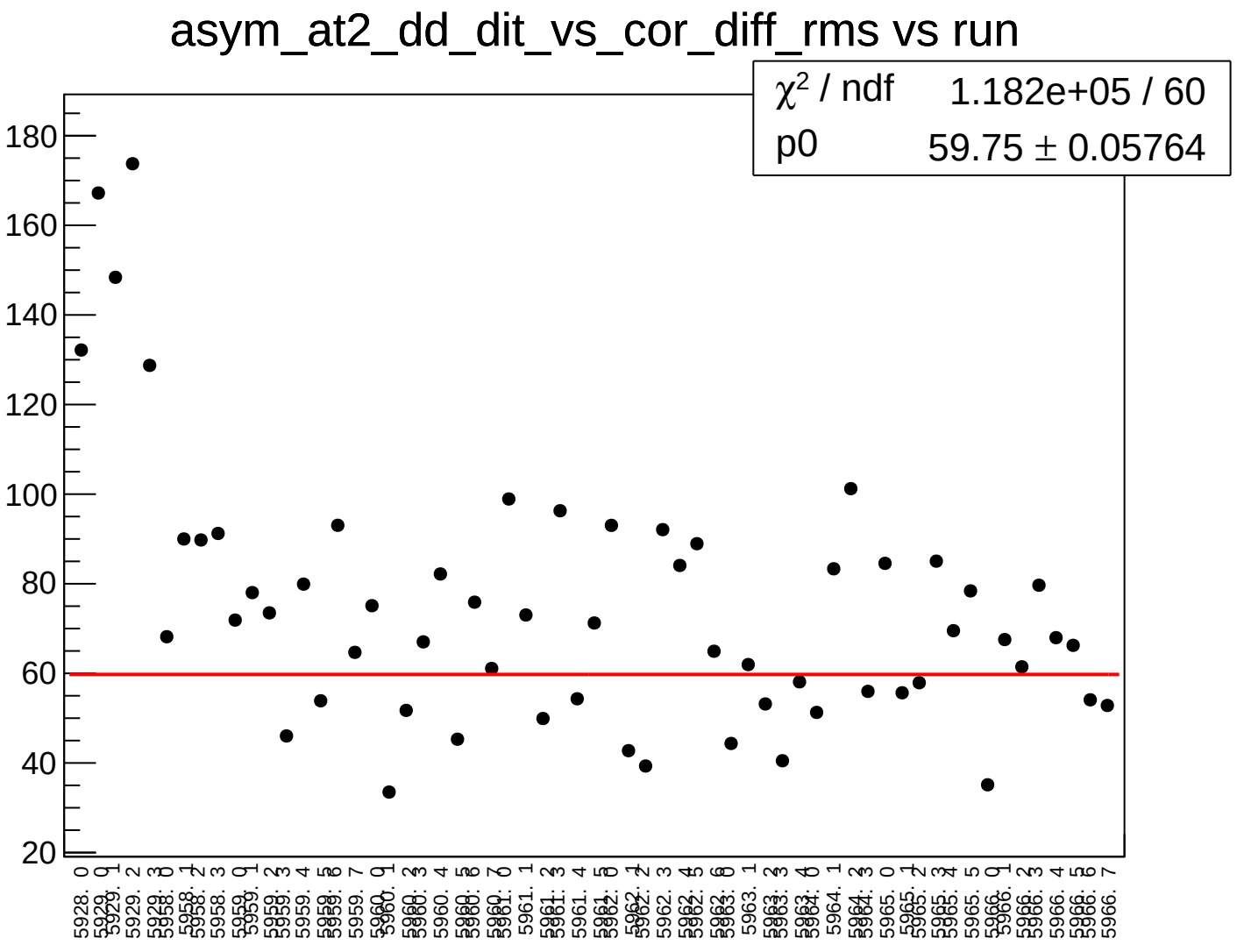

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.19 / 60
p0 3.697e−13 ± 2.419e−13
pull
Entries 61
Mean 57.56
Std Dev 0

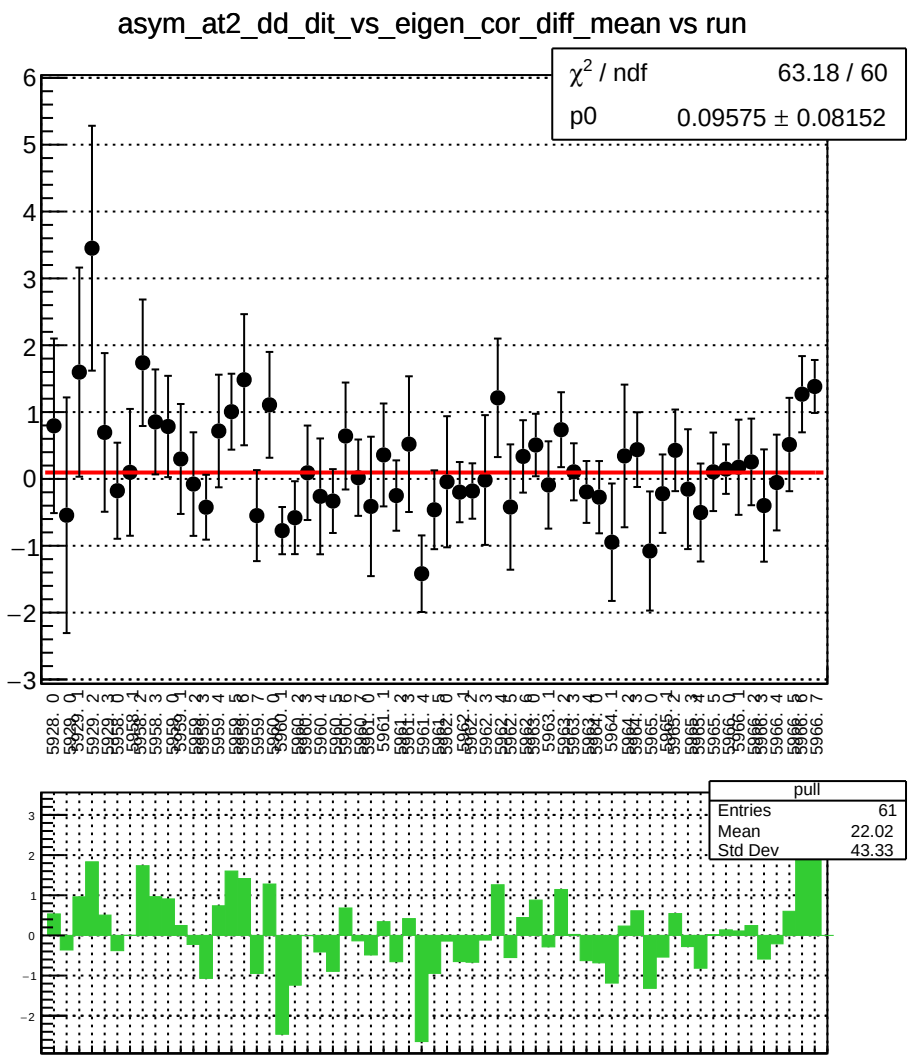

pull1D
Entries 61
Mean −0.08602
Std Dev 1.014

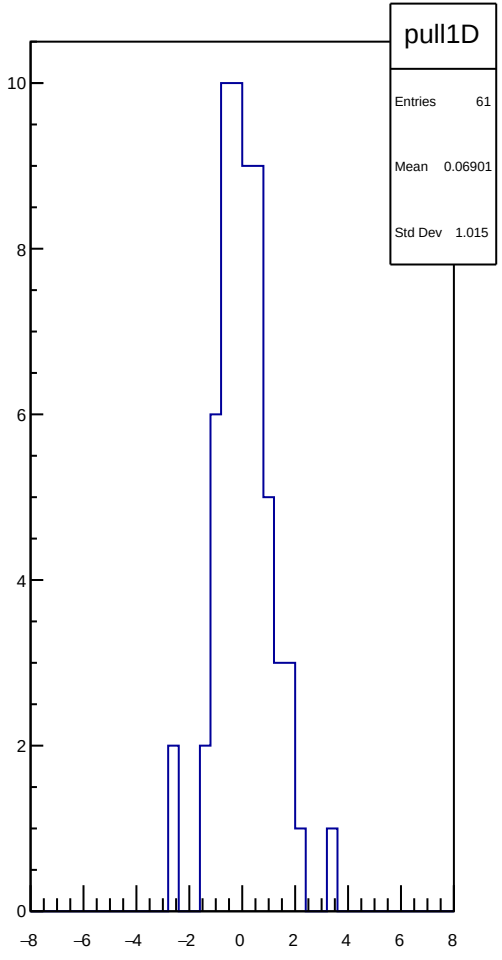

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.11e+05 / 60
p0 1.187e−10 ± 1.71e−13
1
0.8
0.6
0.4
0.2
0

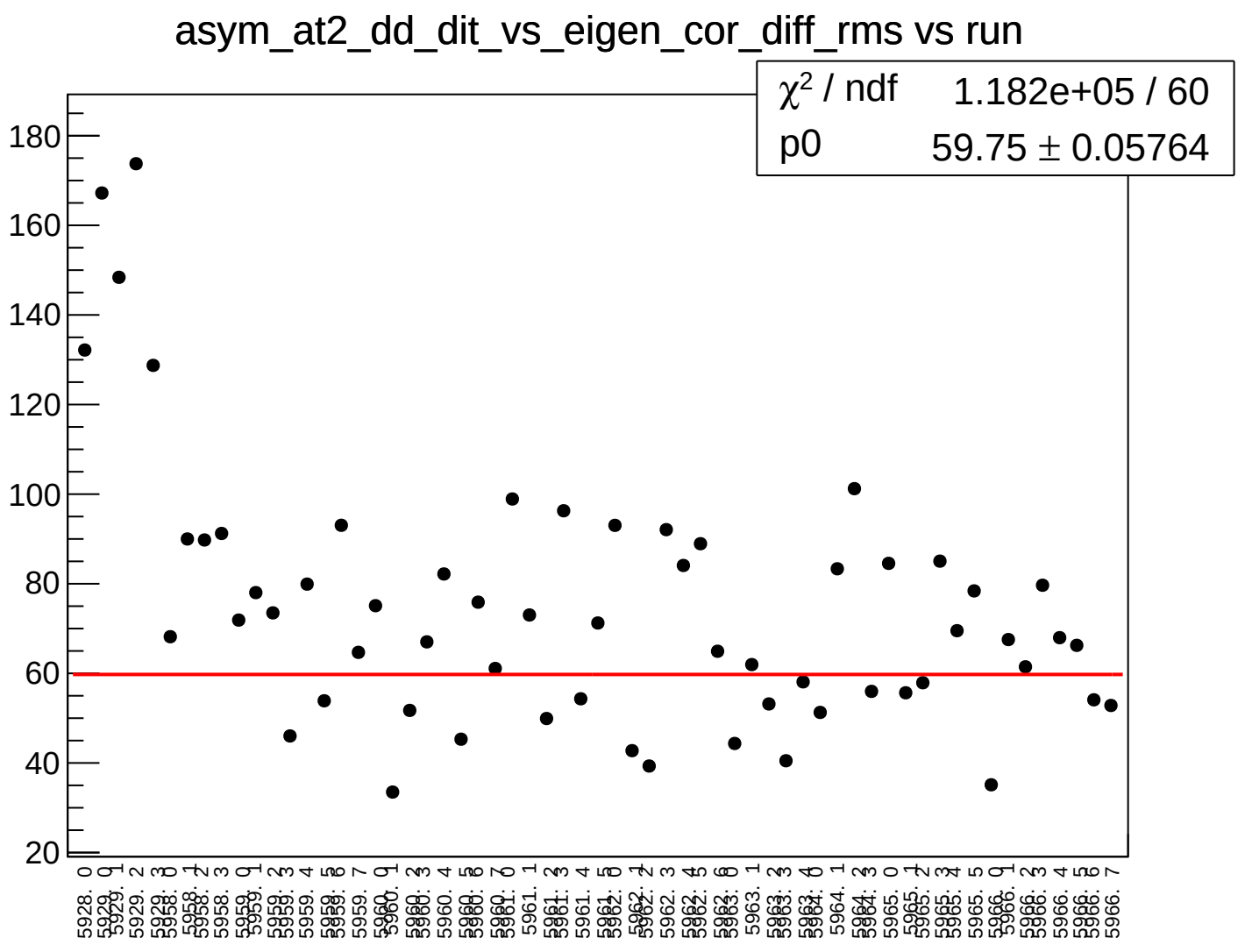

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.18 / 60
p0 0.09575 ± 0.08152
pull
Entries 61
Mean 22.02
Std Dev 43.33

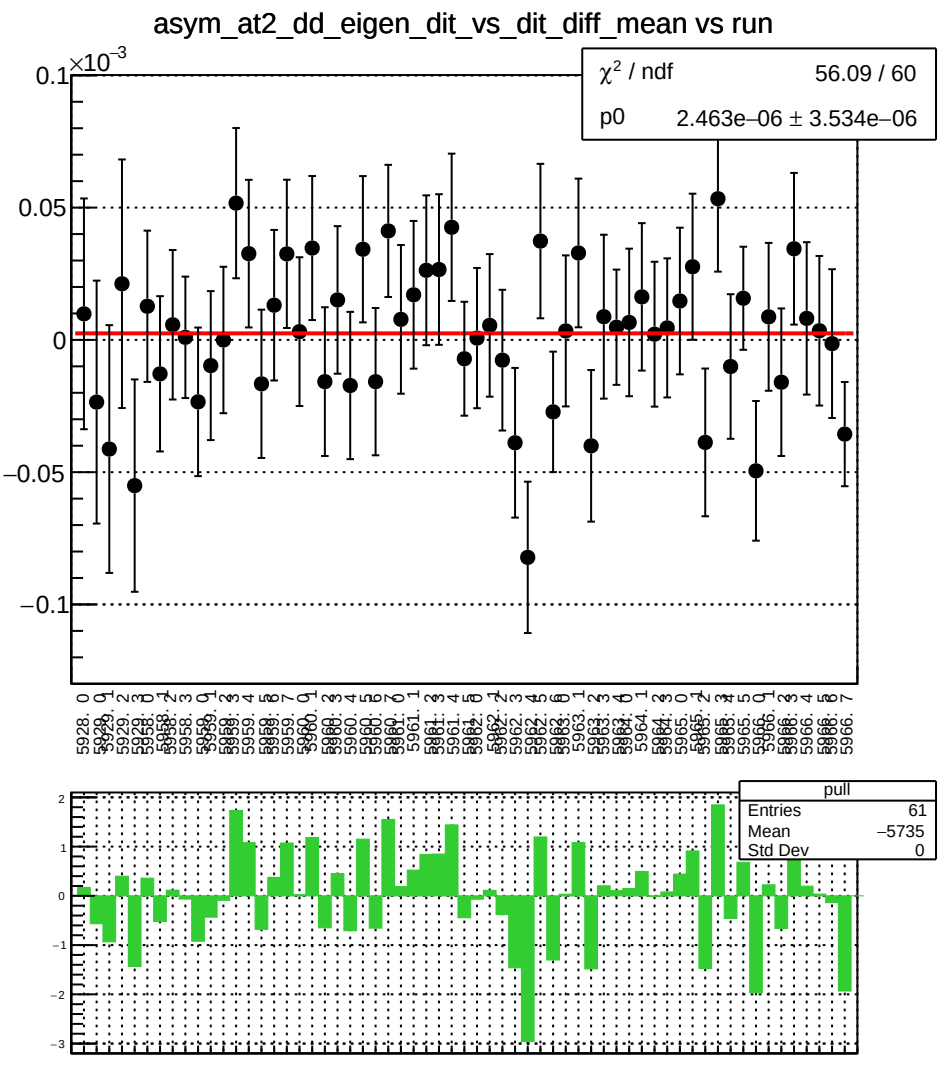

pull1D
Entries 61
Mean 0.06901
Std Dev 1.015

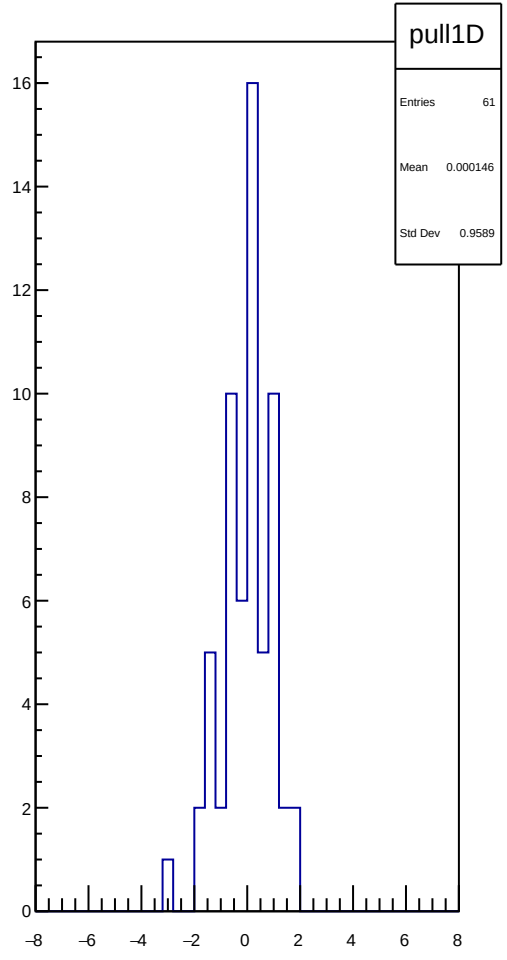

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.182e+05 / 60
p0 59.75 ± 0.05764
180
160
140
120
100
80
60
40
20

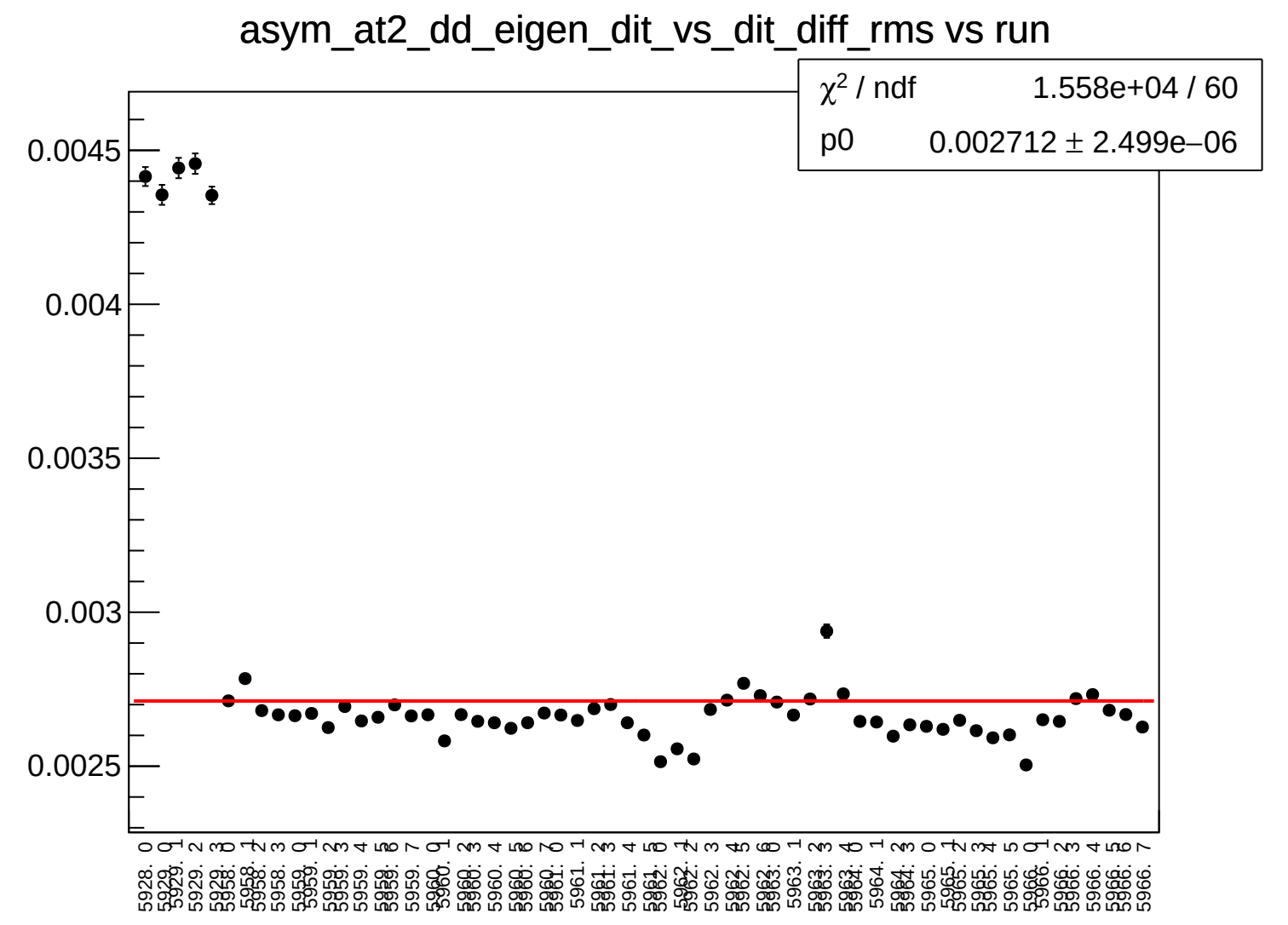

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.18 / 60
p0 0.09575 ± 0.08152
pull
Entries 61
Mean 22.02
Std Dev 43.33

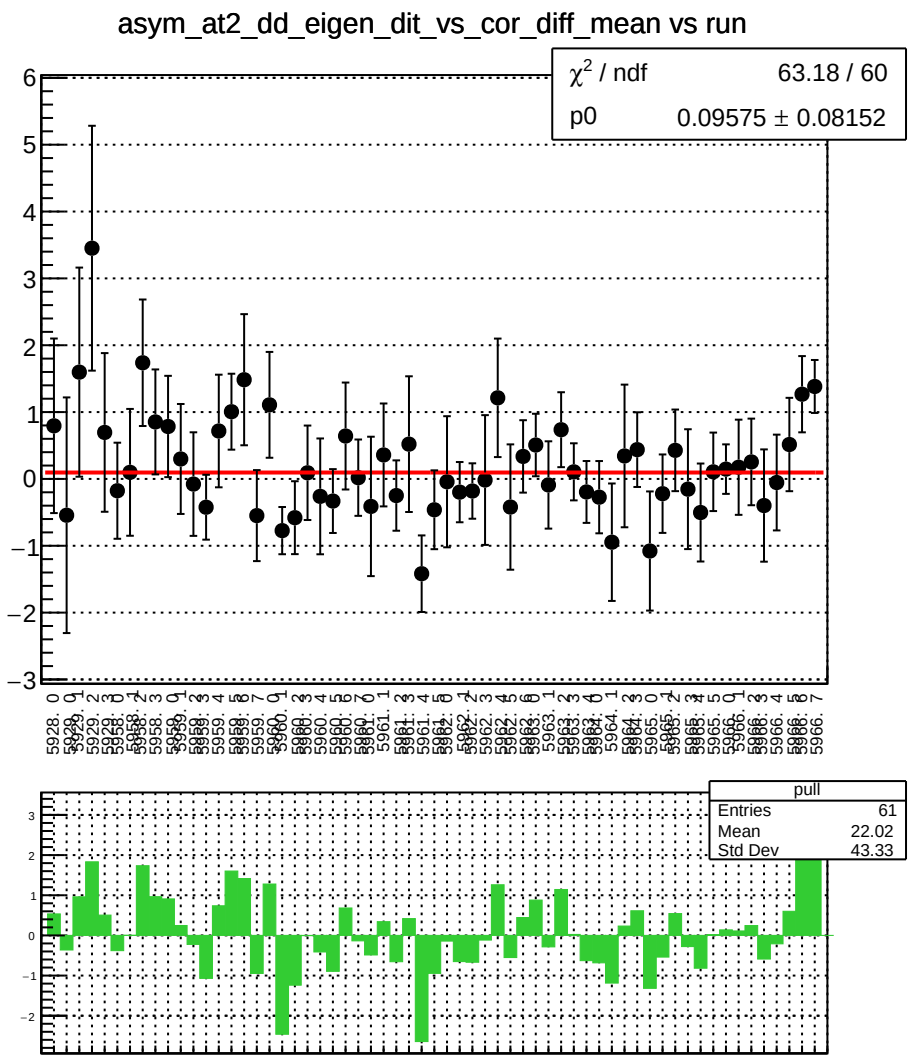

pull1D
Entries 61
Mean 0.06901
Std Dev 1.015

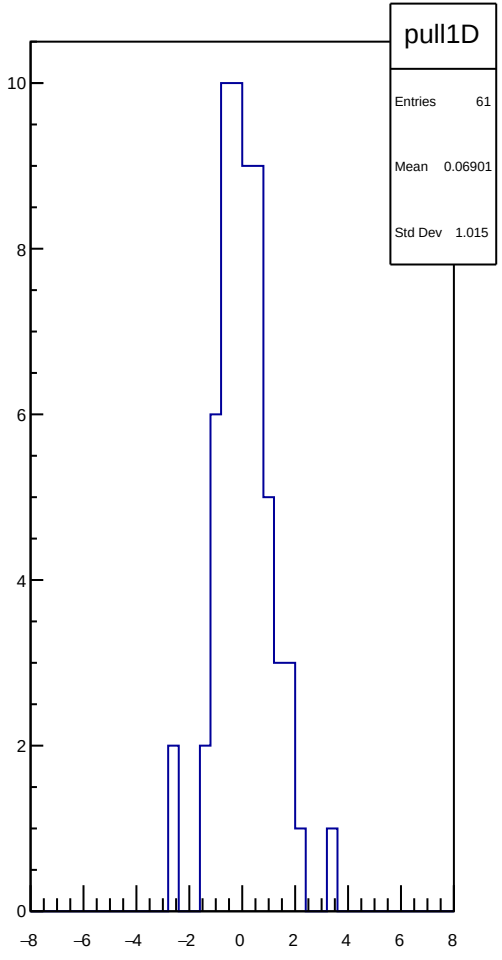

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.182e+05 / 60
p0 59.75 ± 0.05764
180
160
140
120
100
80
60
40
20

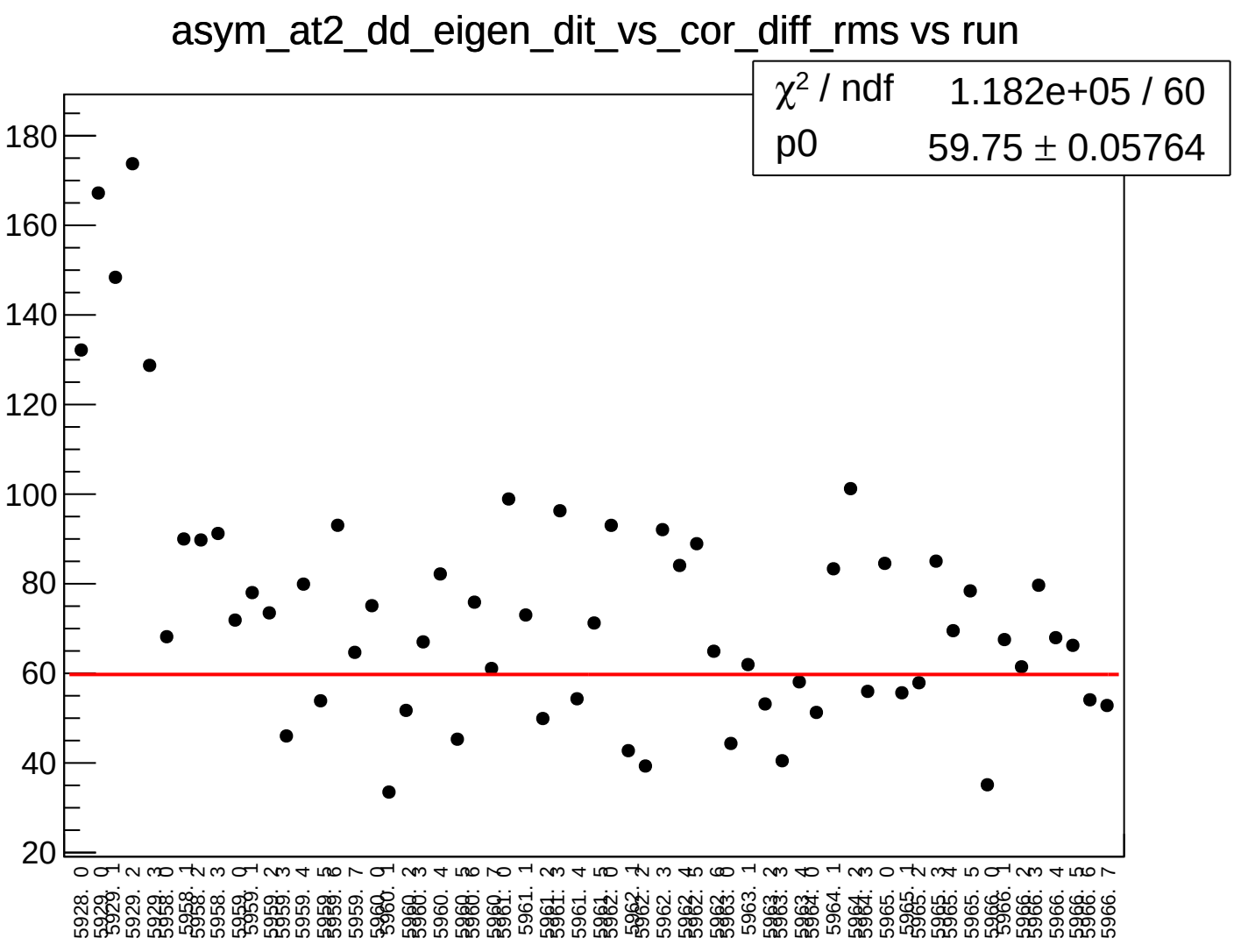

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 56.09 / 60
p0 2.463e−06 ± 3.534e−06
×10⁻³
pull
Entries 61
Mean −5735
Std Dev 0

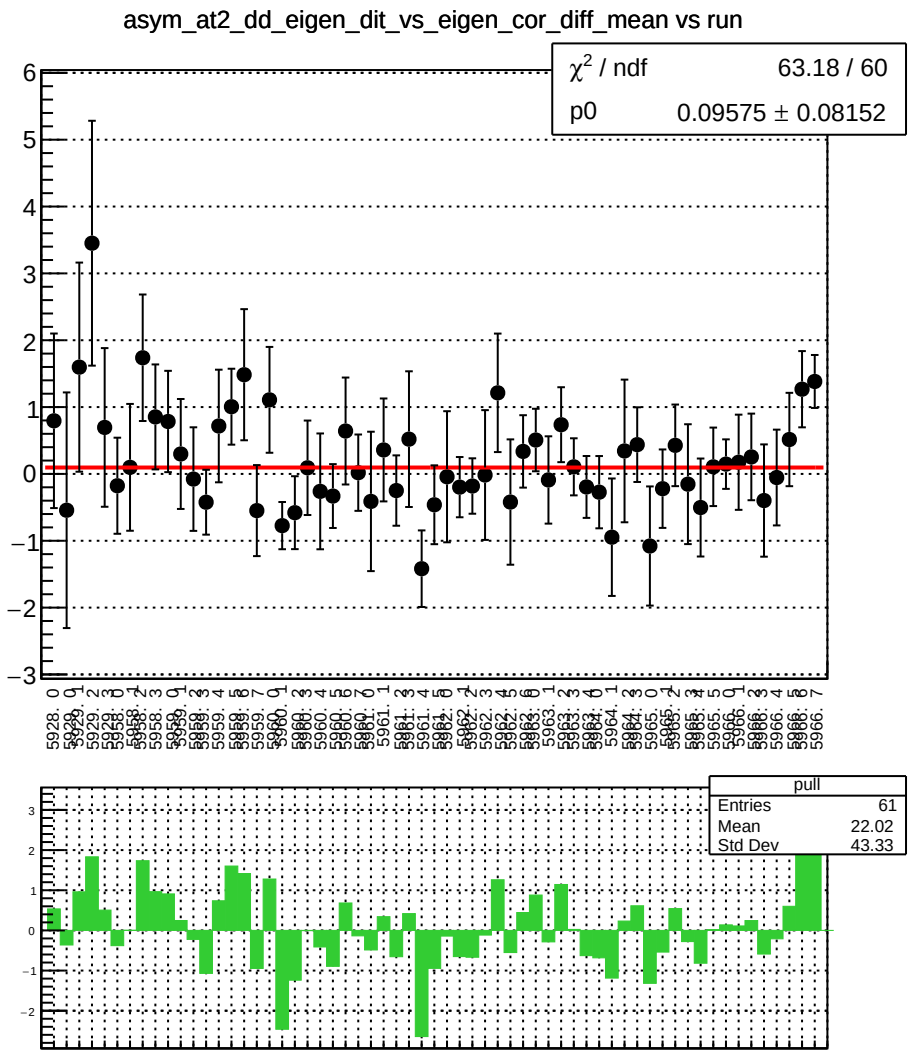

pull1D
Entries 61
Mean 0.000146
Std Dev 0.9589

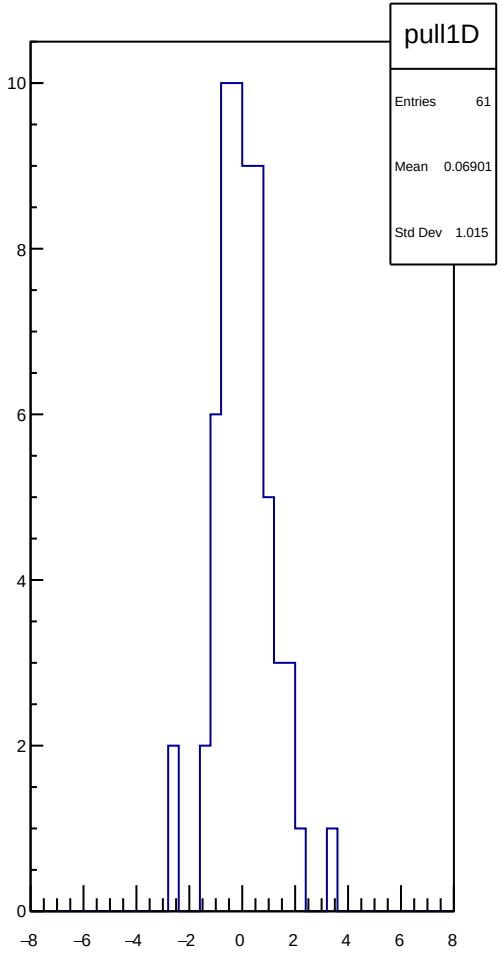

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.558e+04 / 60
p0 0.002712 ± 2.499e−06
0.0045
0.004
0.0035
0.003
0.0025

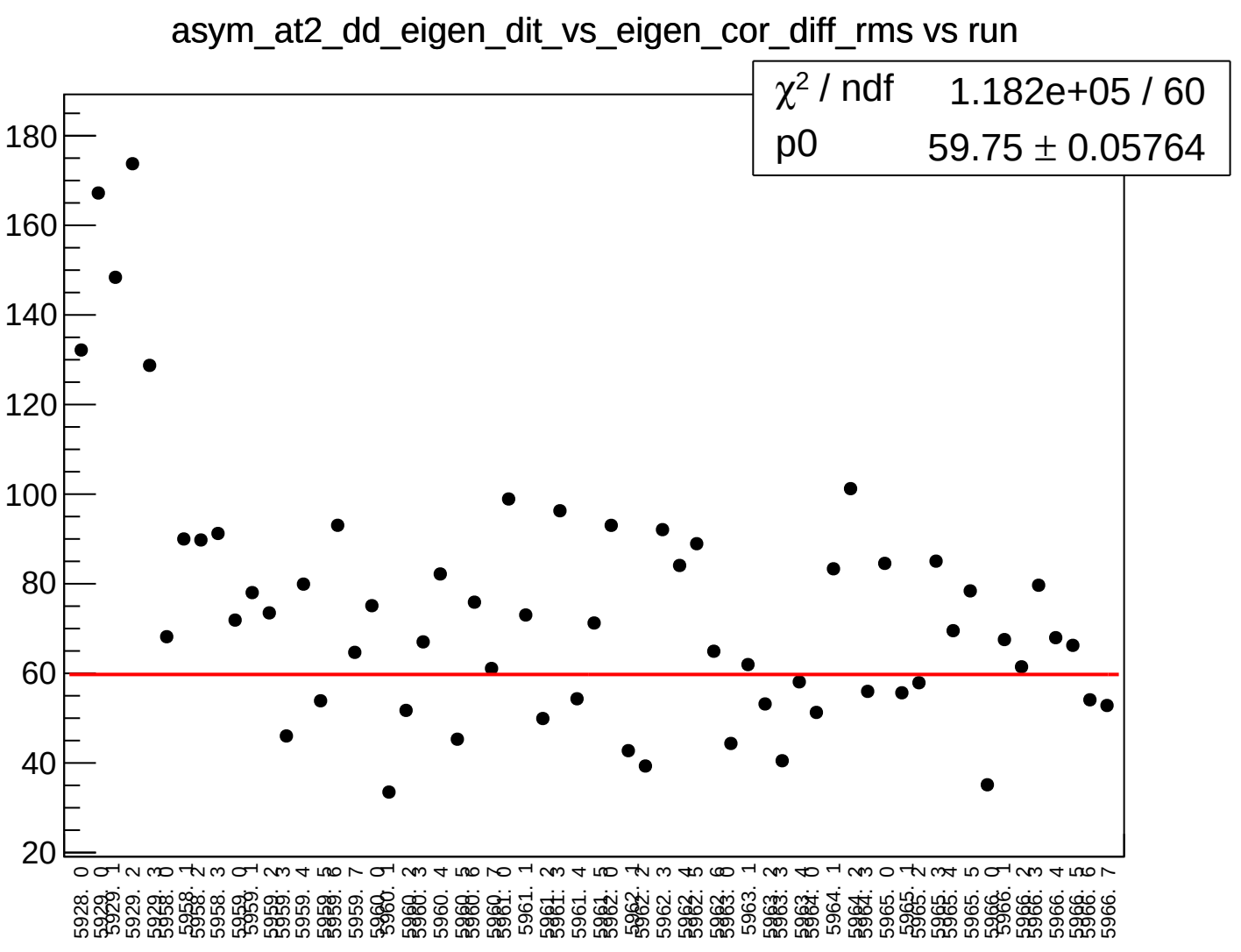

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.18 / 60
p0 0.09575 ± 0.08152
pull
Entries 61
Mean 22.02
Std Dev 43.33

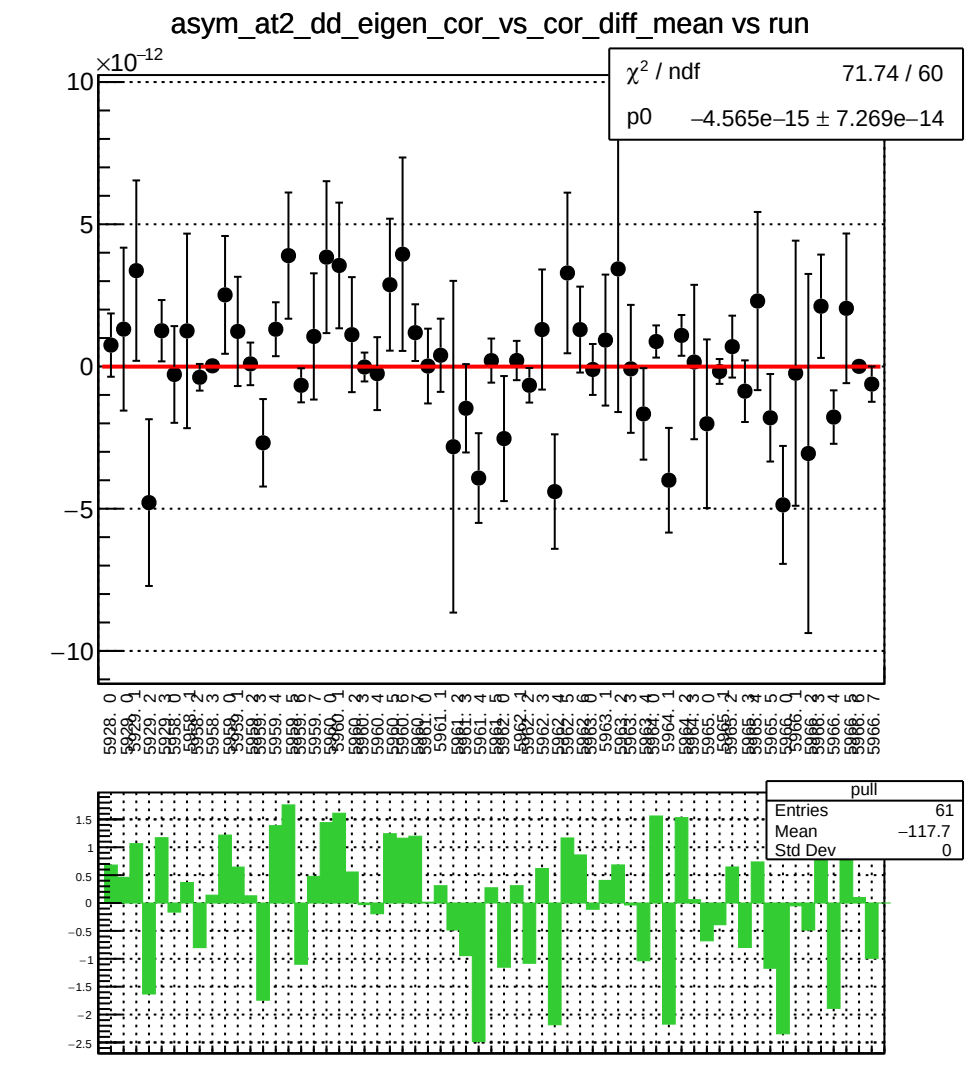

pull1D
Entries 61
Mean 0.06901
Std Dev 1.015

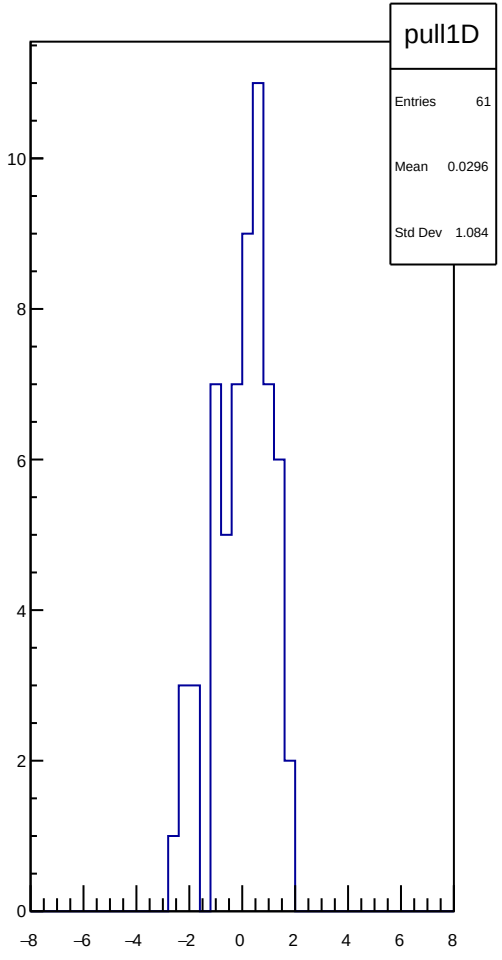

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.182e+05 / 60
p0 59.75 ± 0.05764
180
160
140
120
100
80
60
40
20

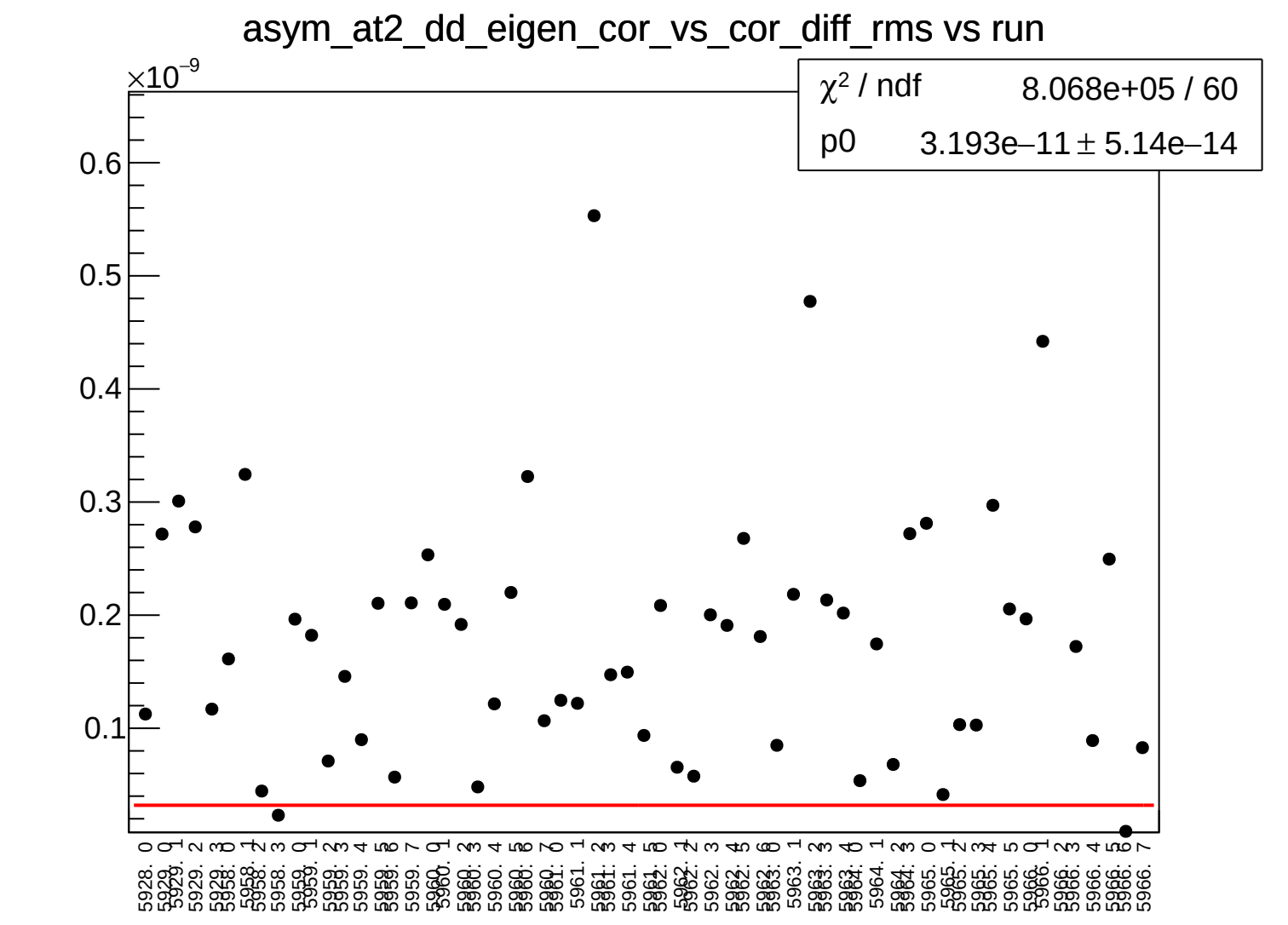

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.18 / 60
p0 0.09575 ± 0.08152
pull
Entries 61
Mean 22.02
Std Dev 43.33

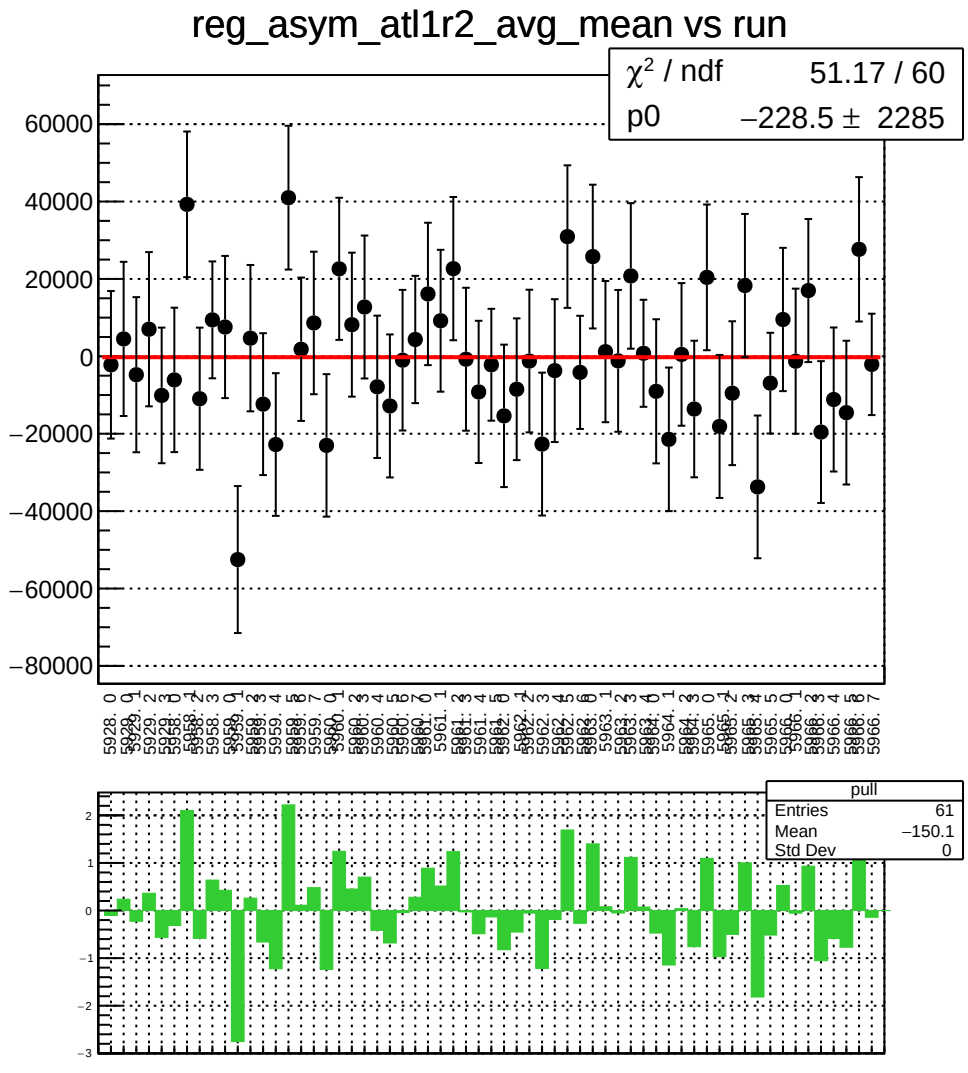

pull1D
Entries 61
Mean 0.06901
Std Dev 1.015

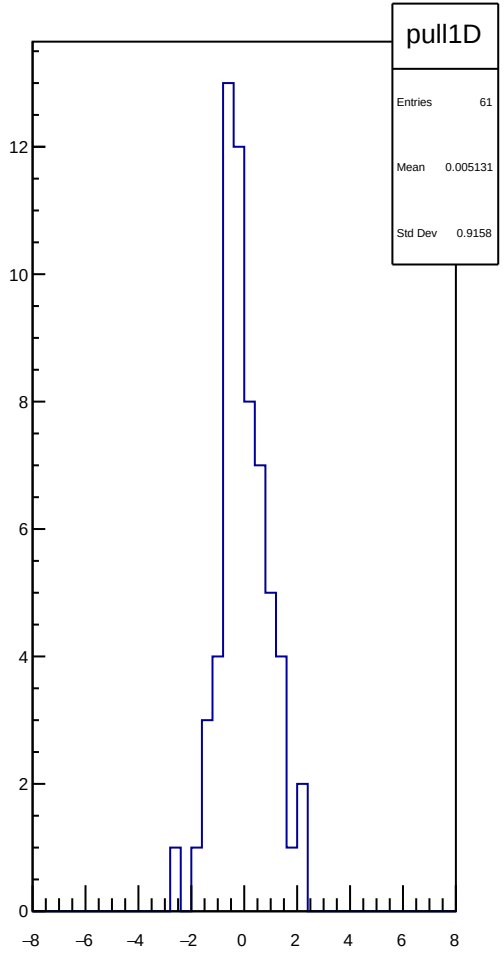

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.182e+05 / 60
p0 59.75 ± 0.05764
180
160
140
120
100
80
60
40
20

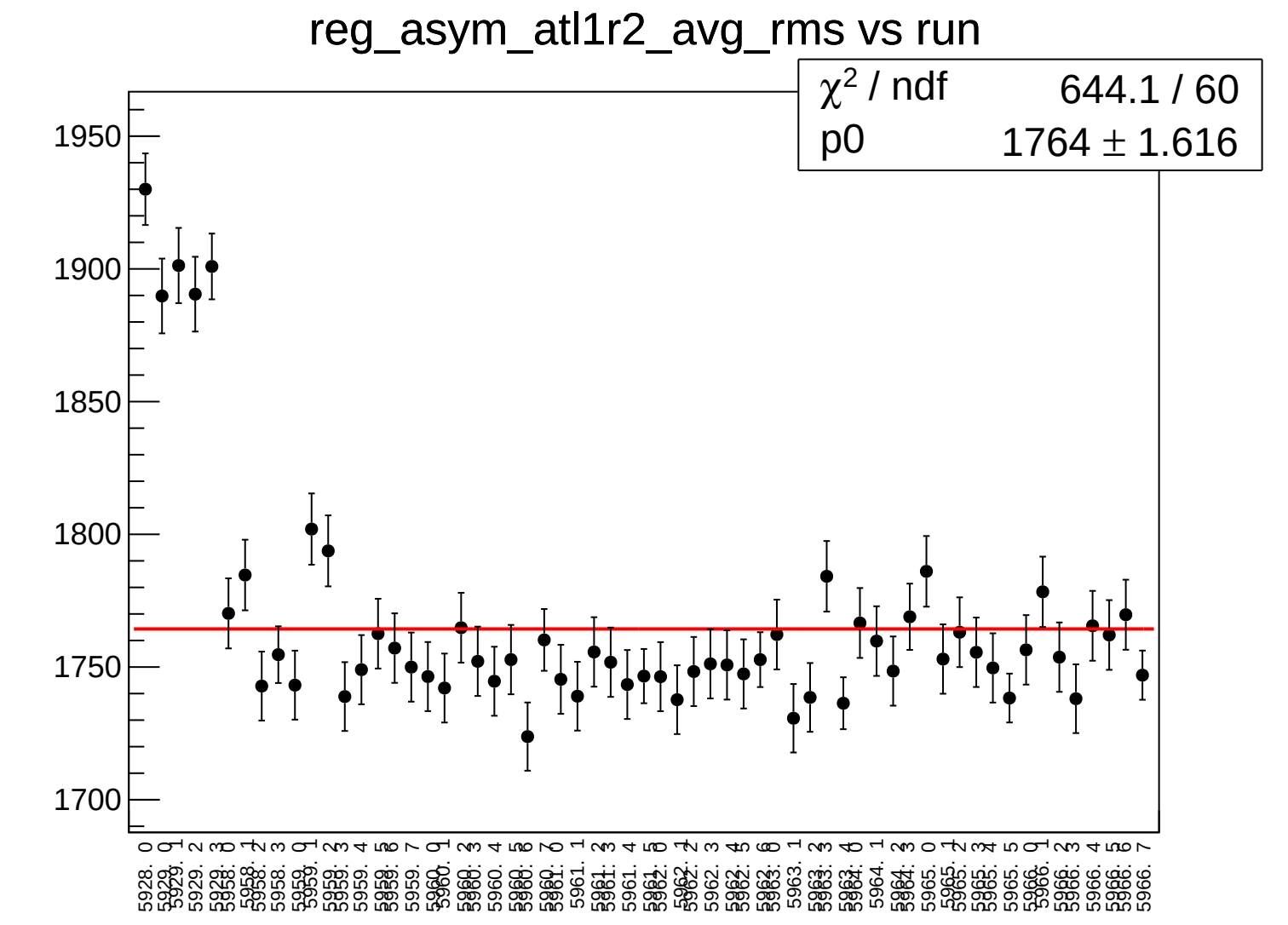

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.74 / 60
p0 −4.565e−15 ± 7.269e−14
pull
Entries 61
Mean −117.7
Std Dev 0

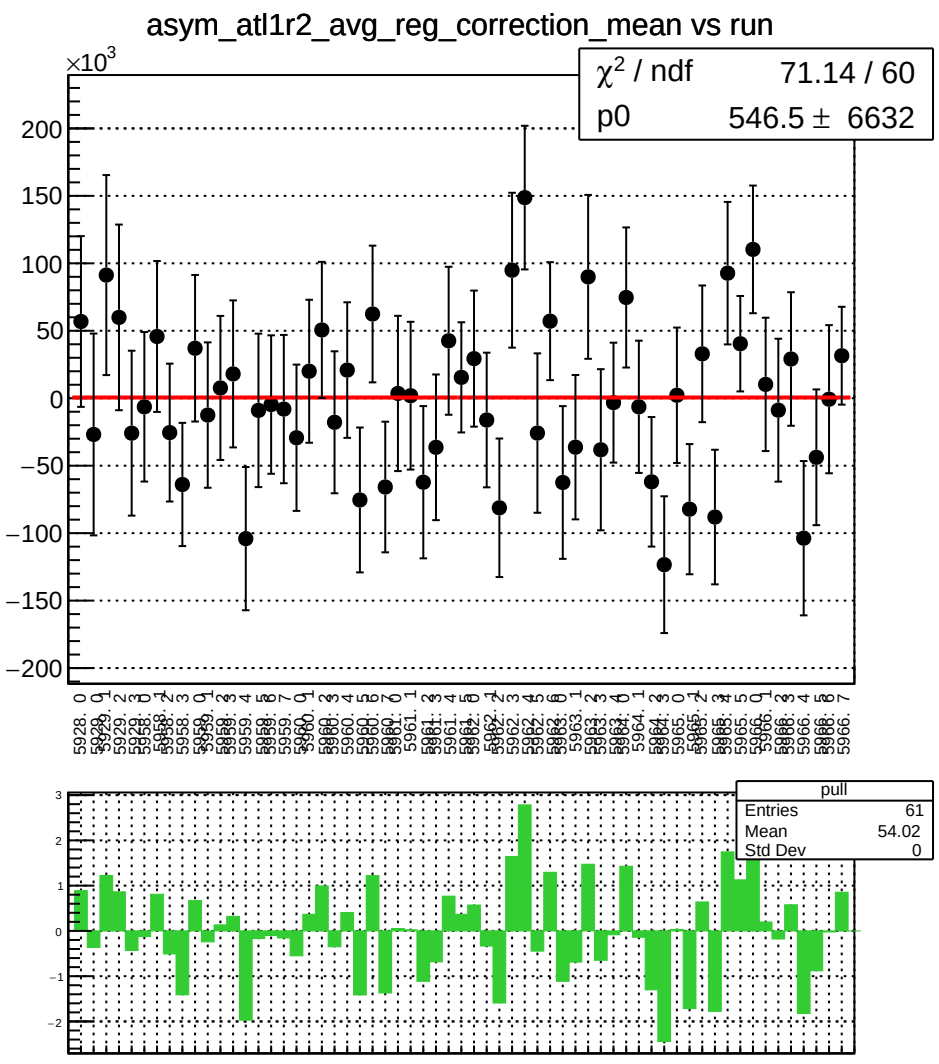

pull1D
Entries 61
Mean 0.0296
Std Dev 1.084

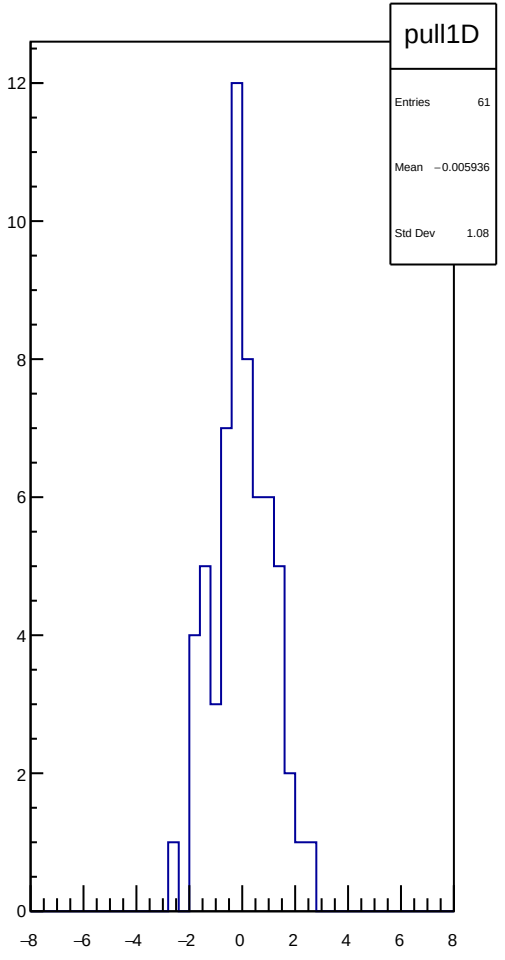

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.068e+05 / 60
p0 3.193e−11 ± 5.14e−14
0.6
0.5
0.4
0.3
0.2
0.1

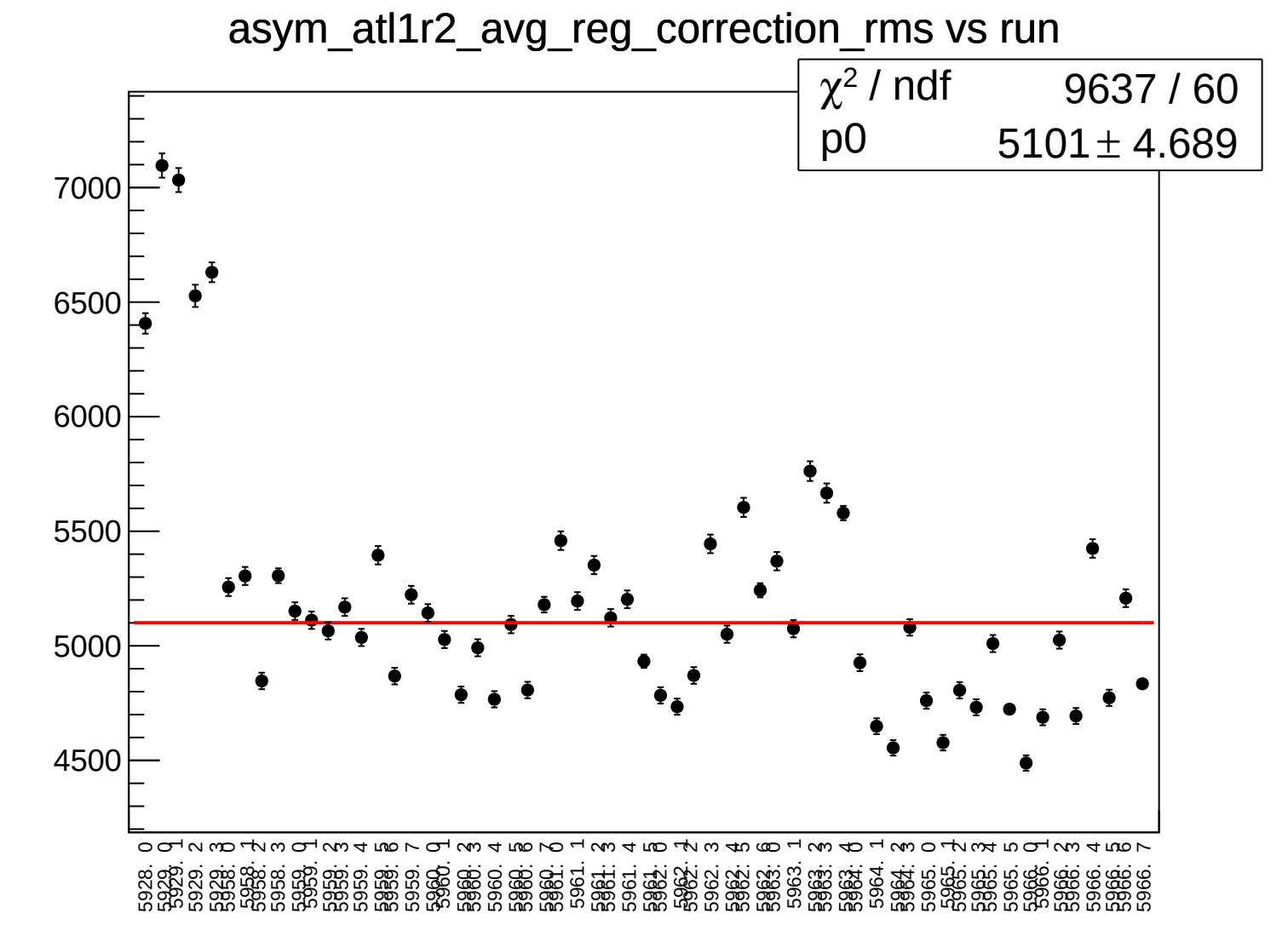

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 51.17 / 60
p0 −228.5 ± 2285
pull
Entries 61
Mean −150.1
Std Dev 0

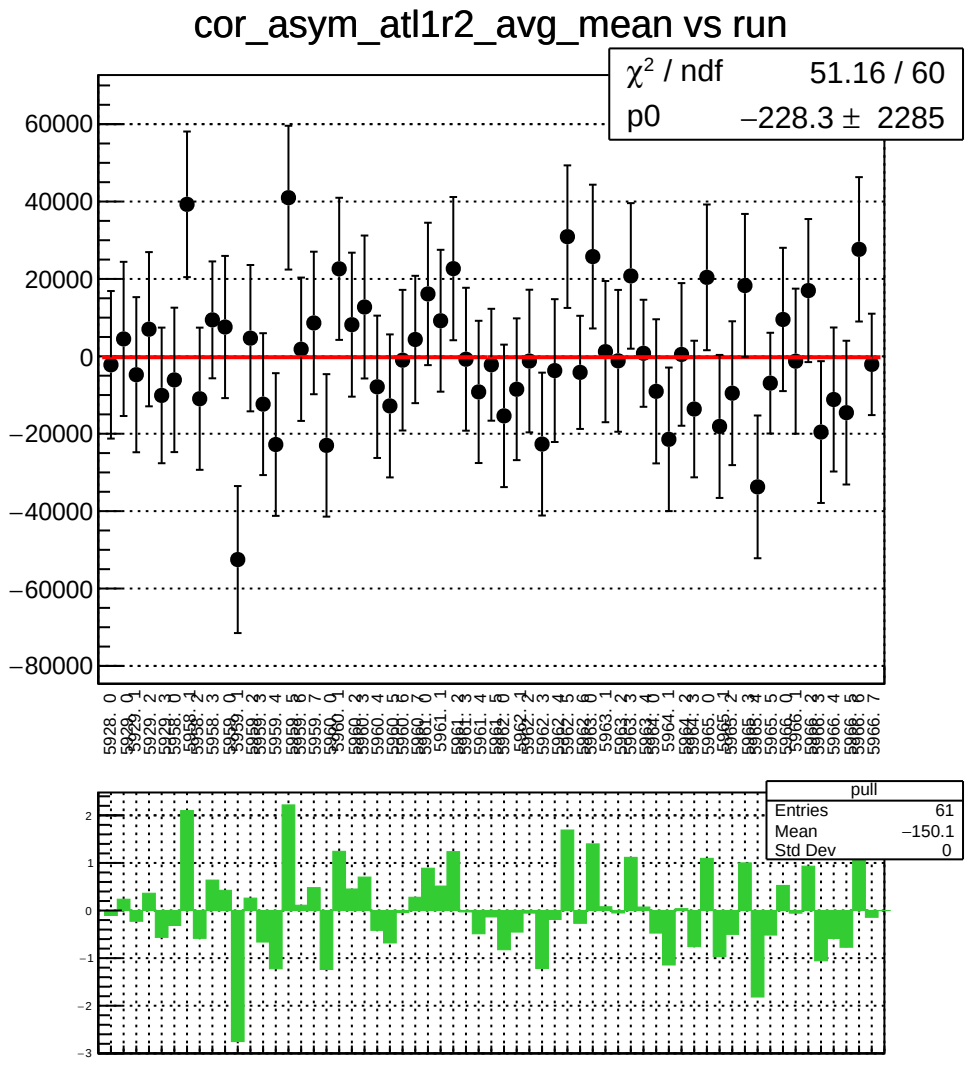

pull1D
Entries 61
Mean 0.005131
Std Dev 0.9158

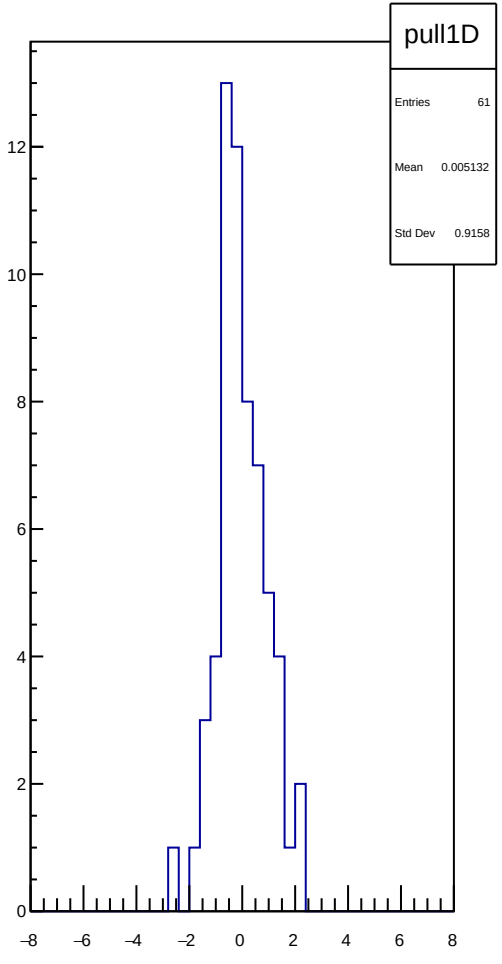

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 644.1 / 60
p0 1764 ± 1.616
1950
1900
1850
1800
1750
1700

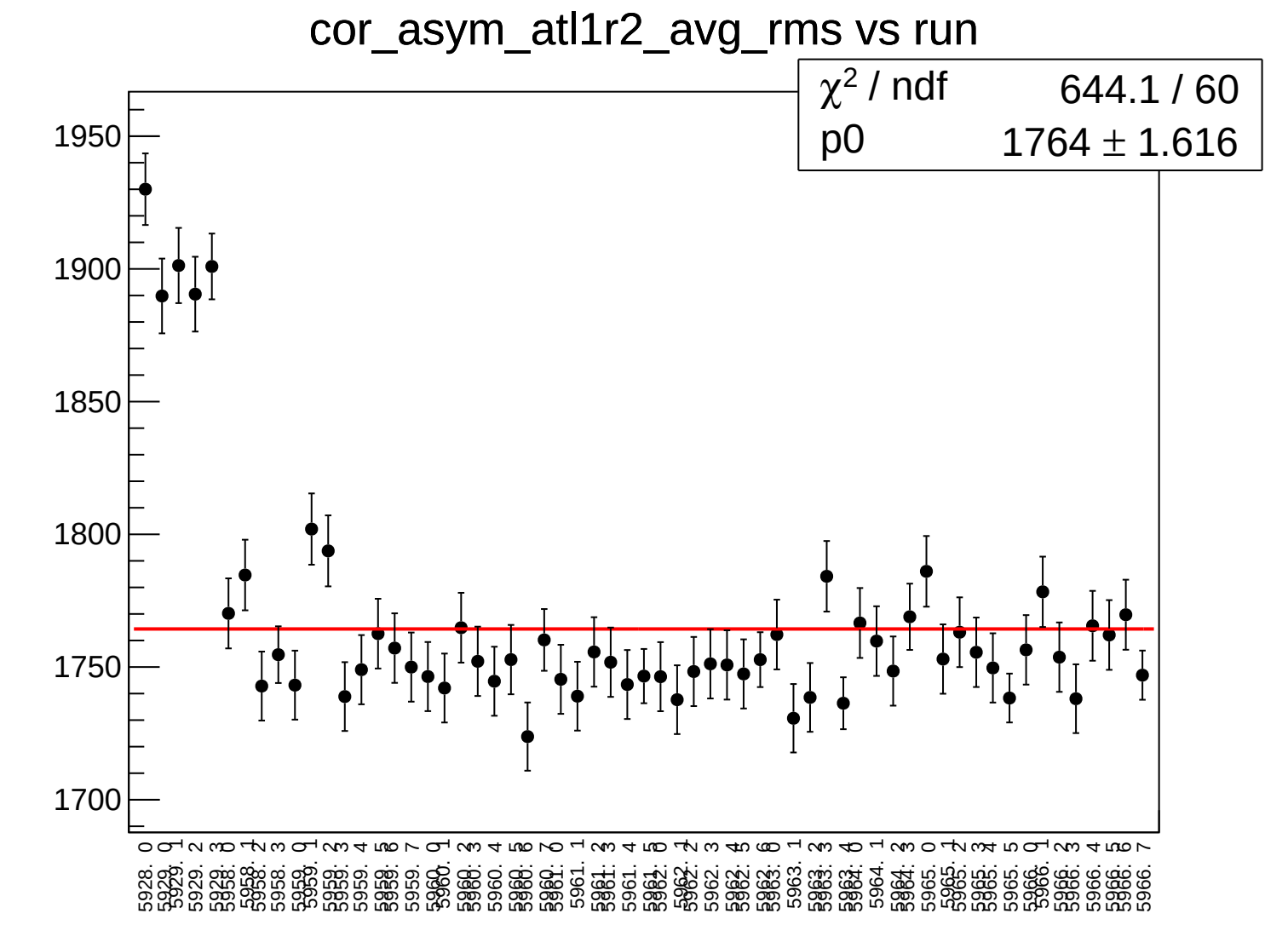

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 71.14 / 60
p0 546.5 ± 6632
pull
Entries 61
Mean 54.02
Std Dev 0

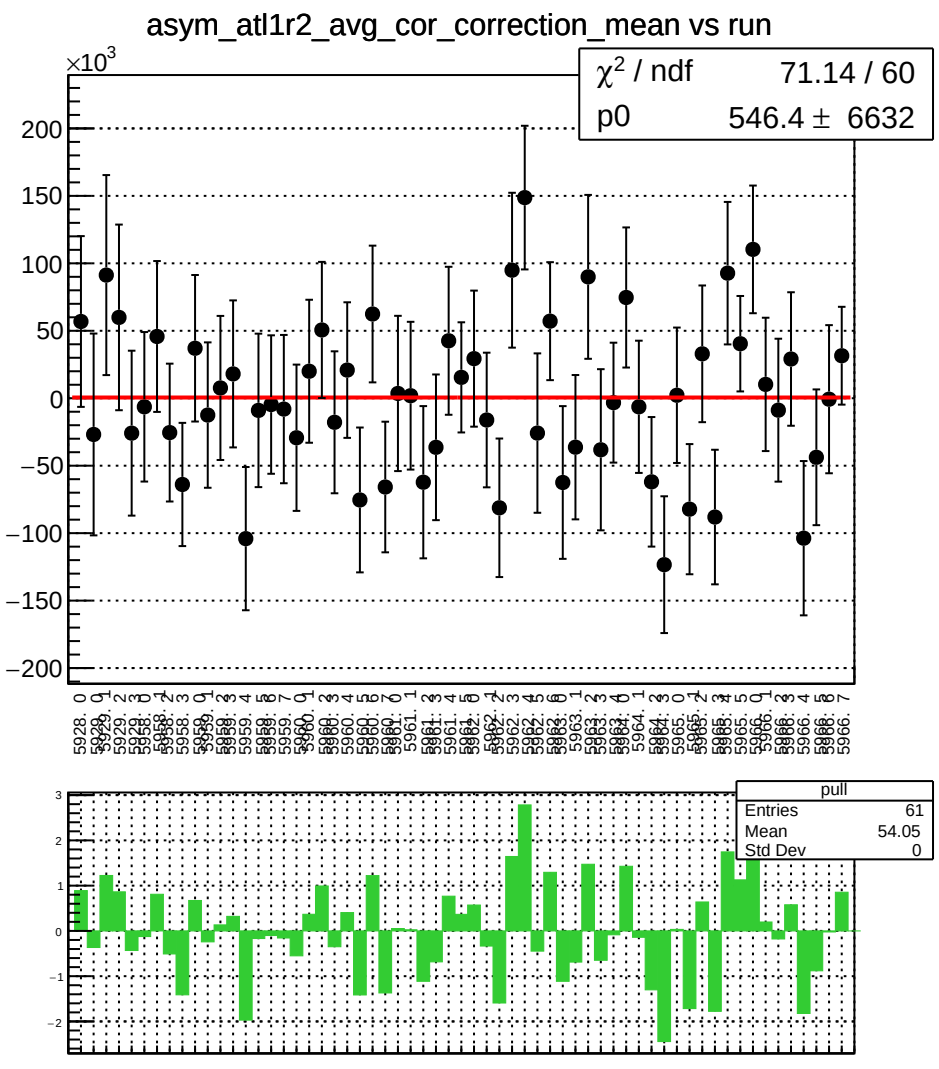

pull1D
Entries 61
Mean −0.005936
Std Dev 1.08

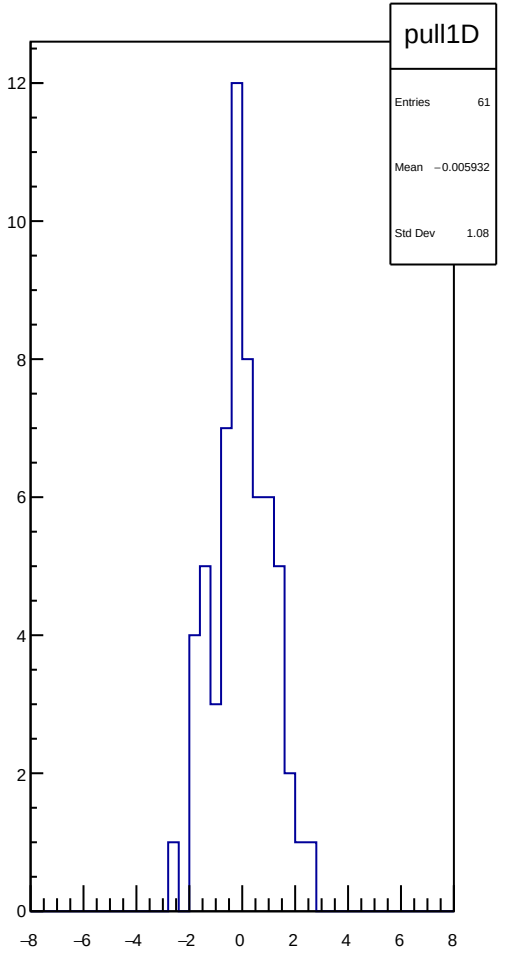

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 9637 / 60
p0 5101 ± 4.689
7000
6500
6000
5500
5000
4500

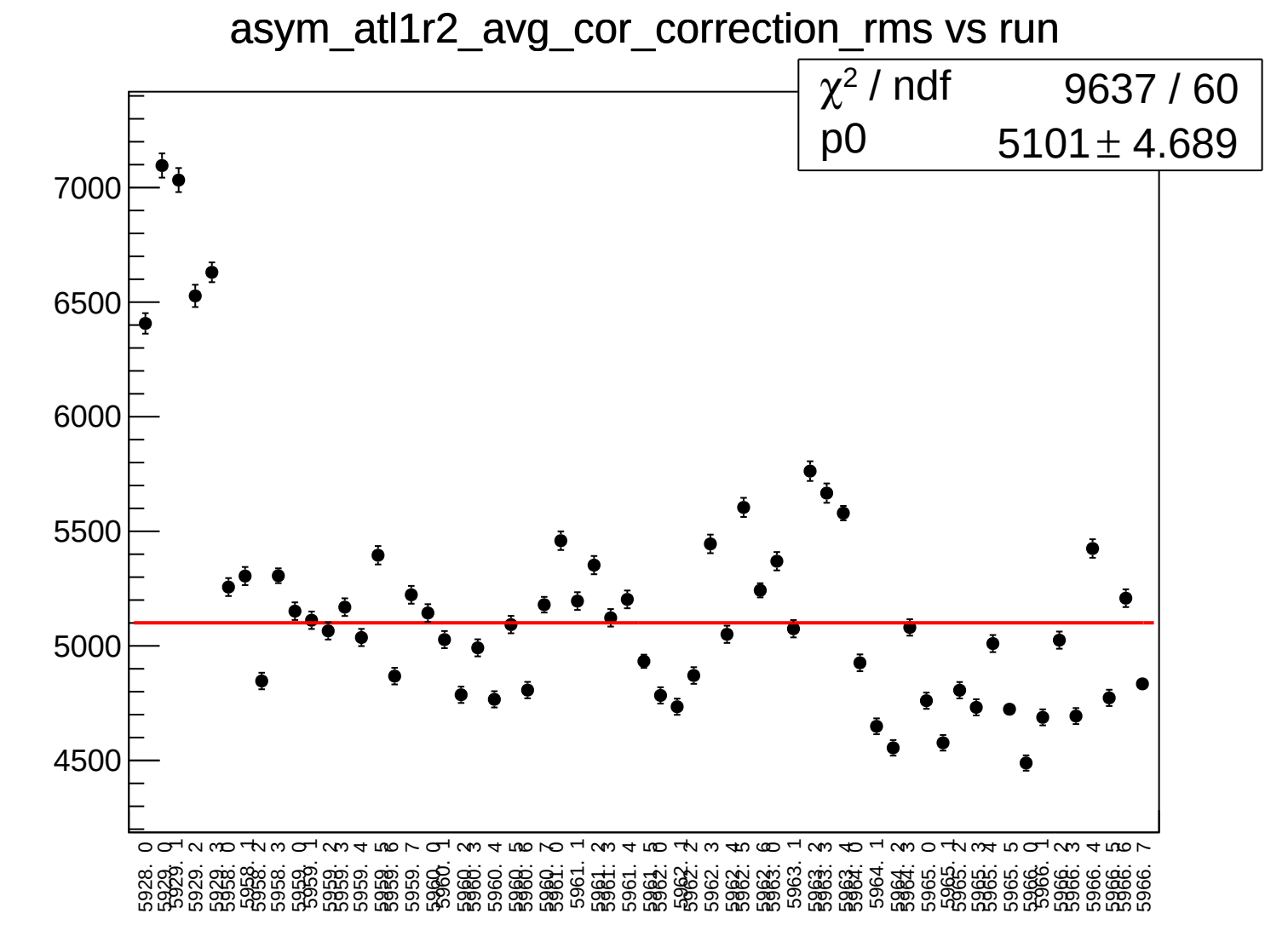

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 51.16 / 60
p0 −228.3 ± 2285
pull
Entries 61
Mean −150.1
Std Dev 0

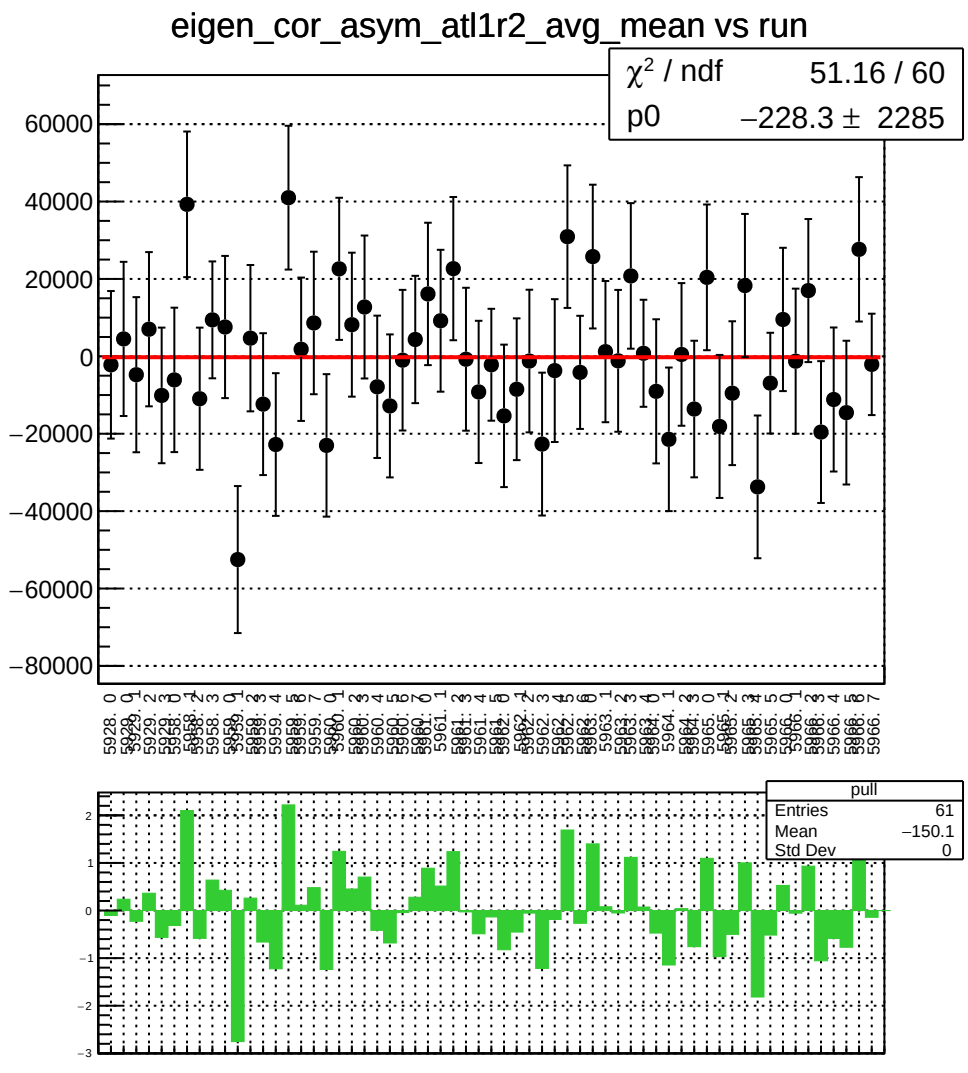

pull1D
Entries 61
Mean 0.005132
Std Dev 0.9158

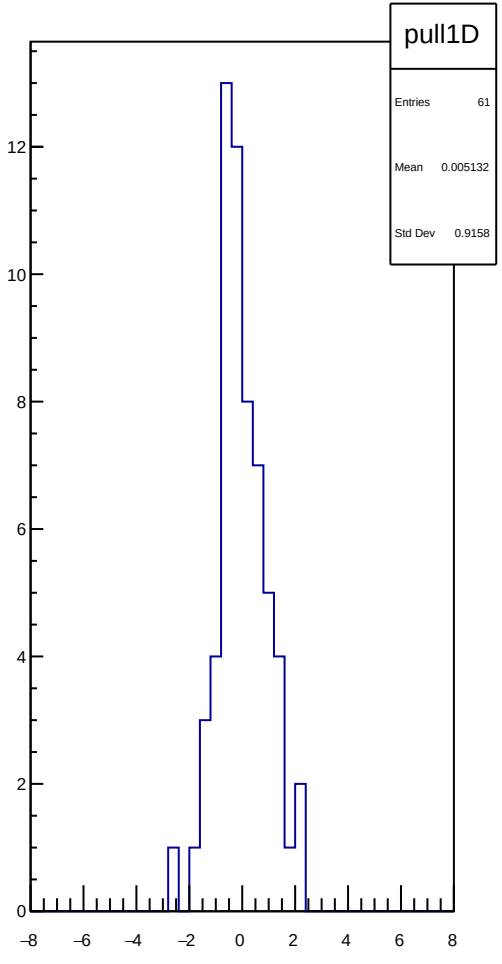

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 644.1 / 60
p0 1764 ± 1.616
1950
1900
1850
1800
1750
1700

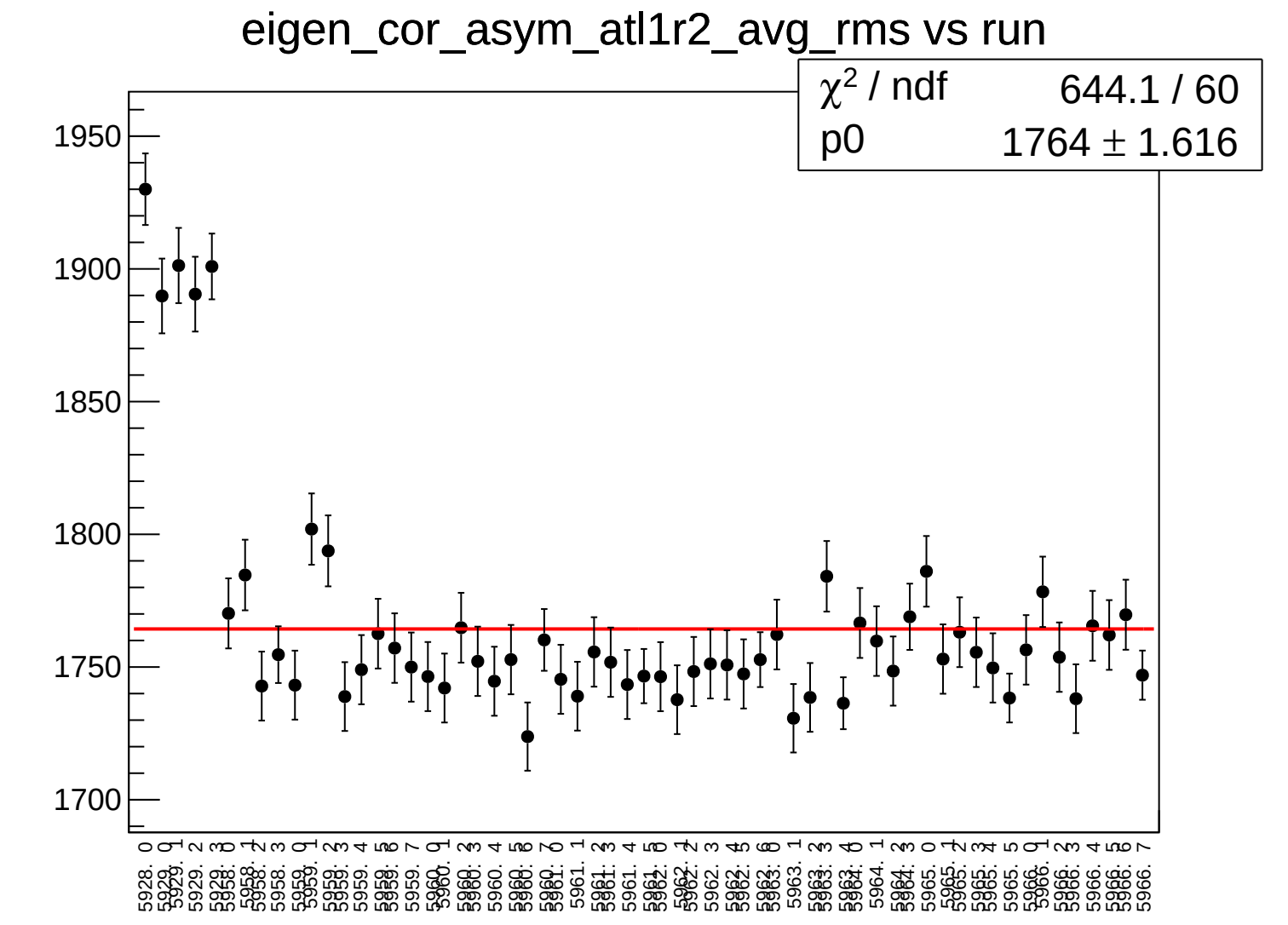

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 71.14 / 60
p0 546.4 ± 6632
pull
Entries 61
Mean 54.05
Std Dev 0

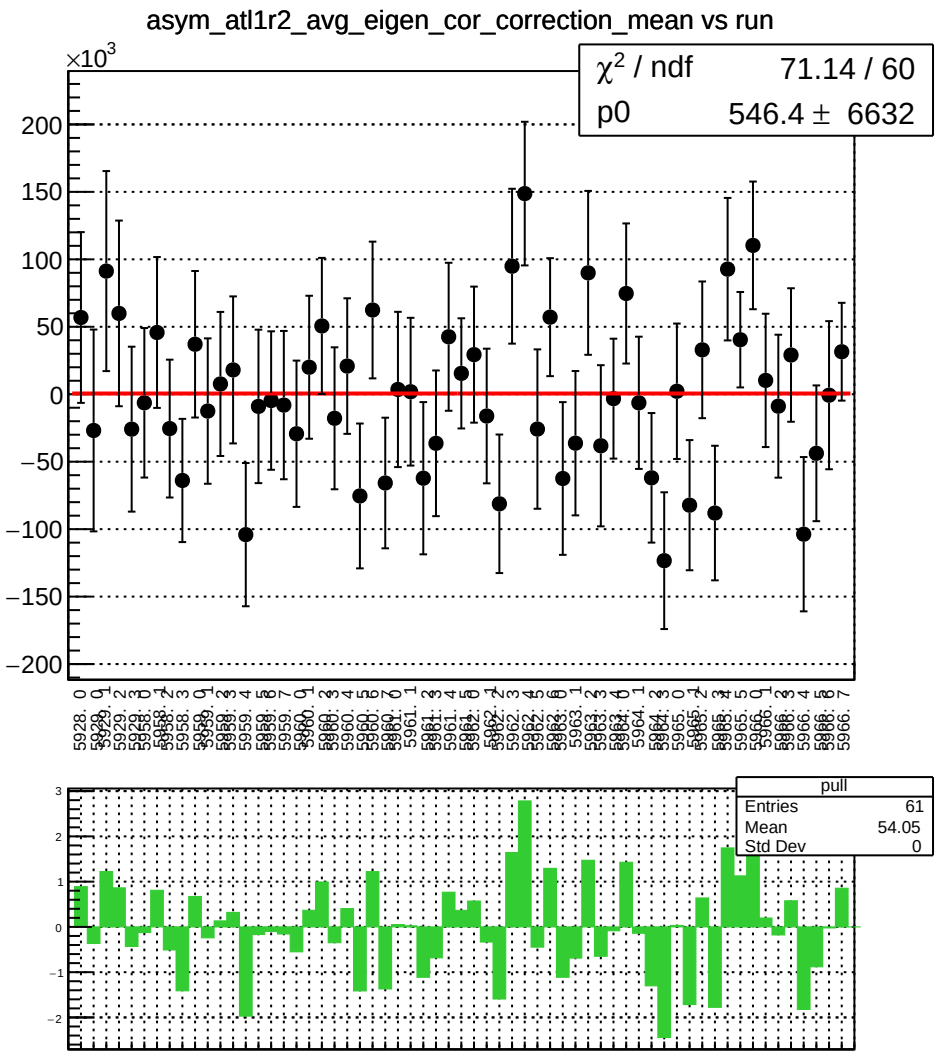

pull1D
Entries 61
Mean −0.005932
Std Dev 1.08

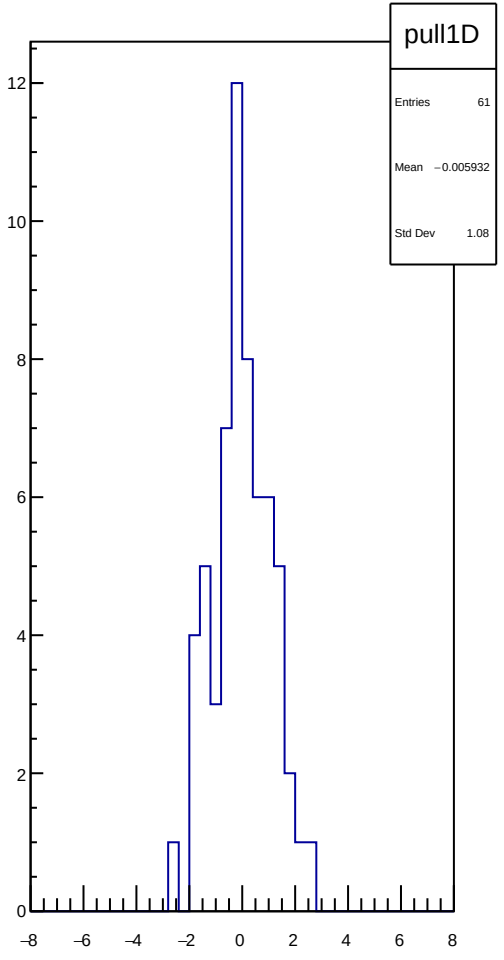

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 9637 / 60
p0 5101 ± 4.689
7000
6500
6000
5500
5000
4500

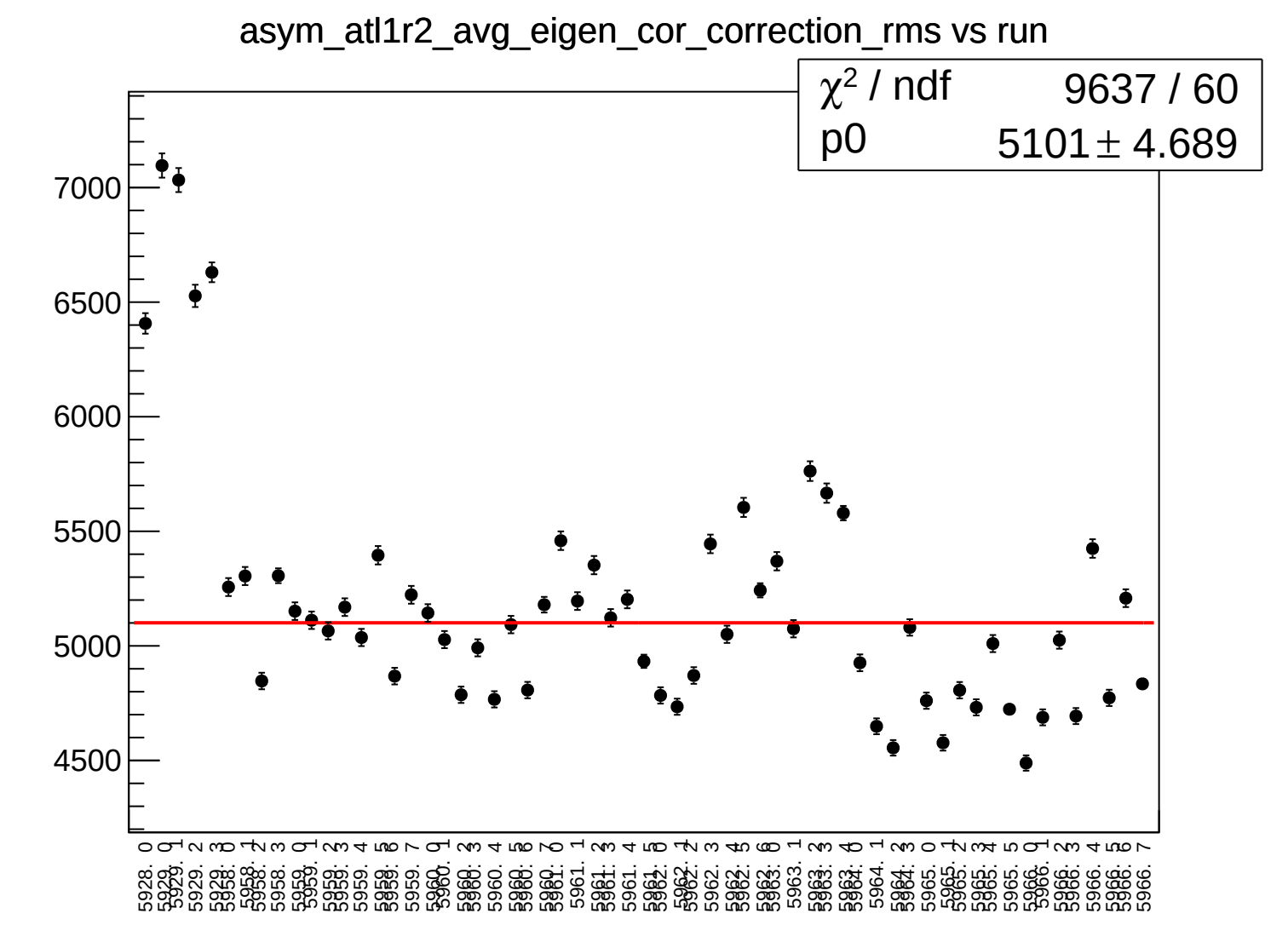

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 51.16 / 60
p0 −228.3 ± 2285
pull
Entries 61
Mean −150.1
Std Dev 0

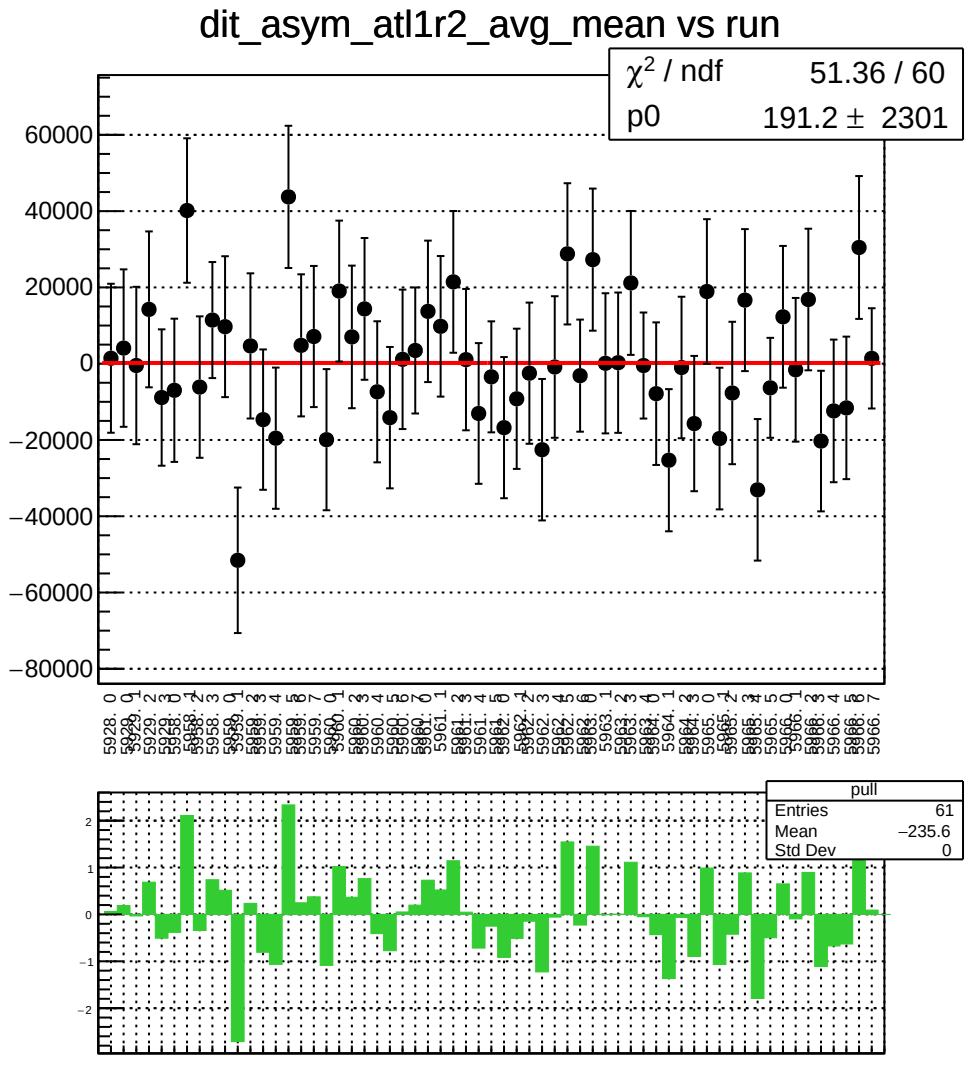

pull1D
Entries 61
Mean 0.005132
Std Dev 0.9158

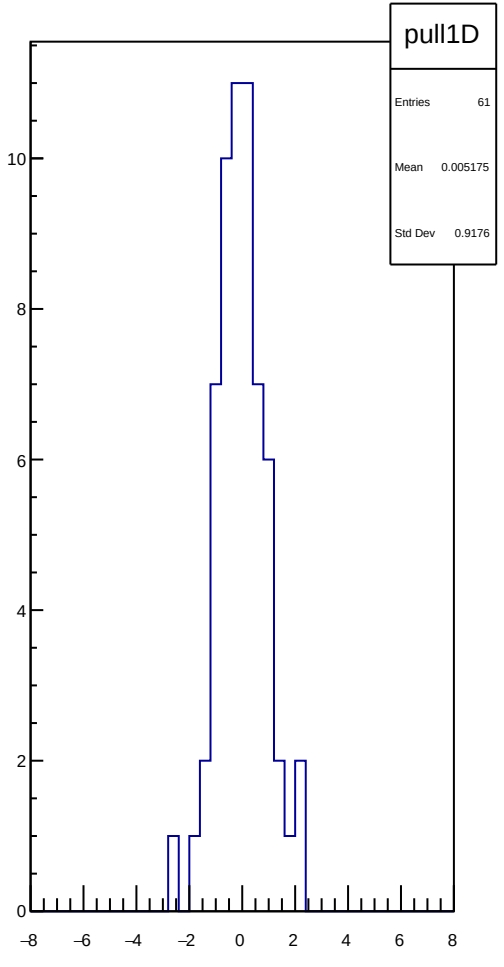

eigen_cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 644.1 / 60
p0 1764 ± 1.616
1950
1900
1850
1800
1750
1700

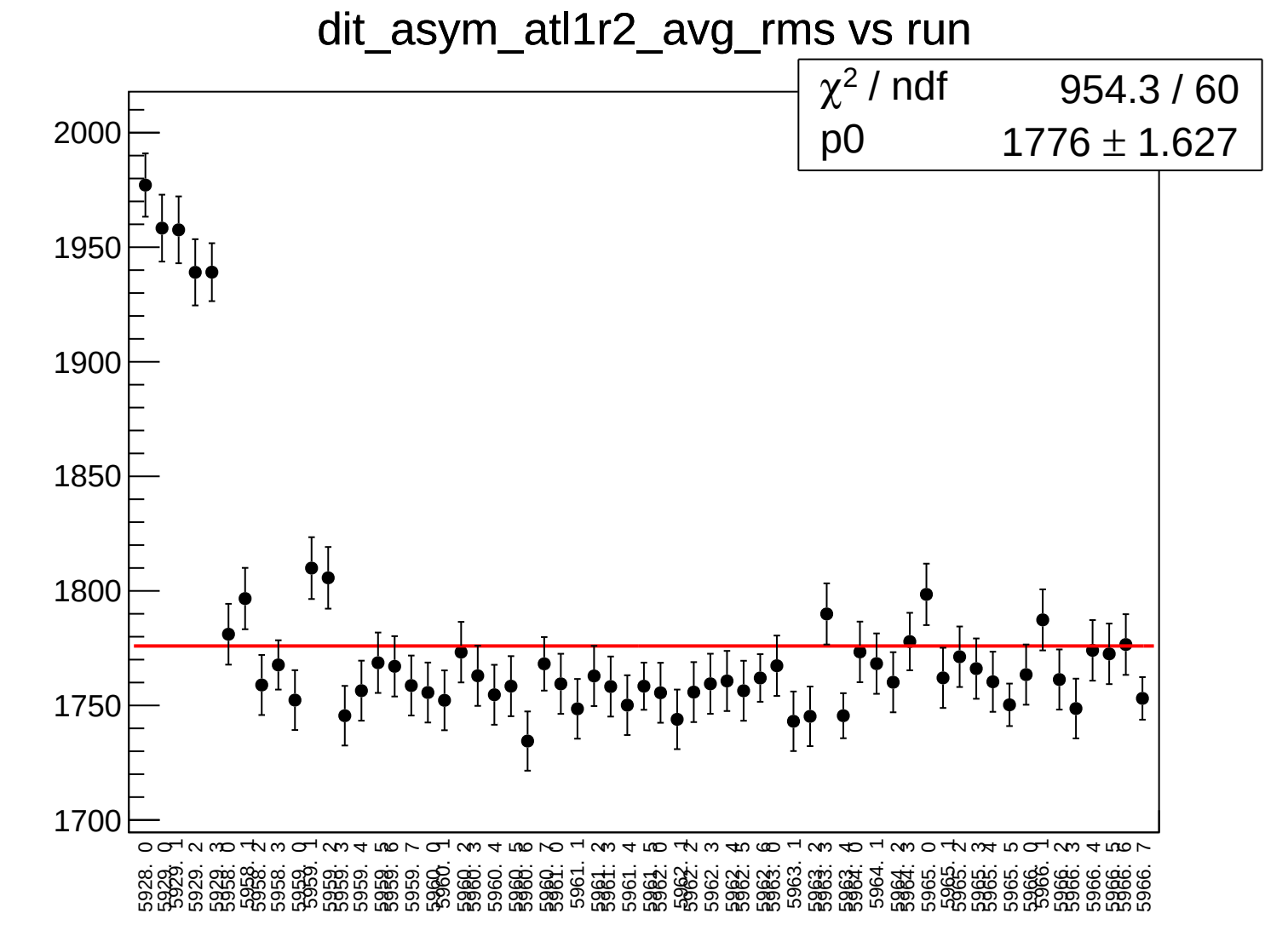

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 71.14 / 60
p0 546.4 ± 6632
pull
Entries 61
Mean 54.05
Std Dev 0

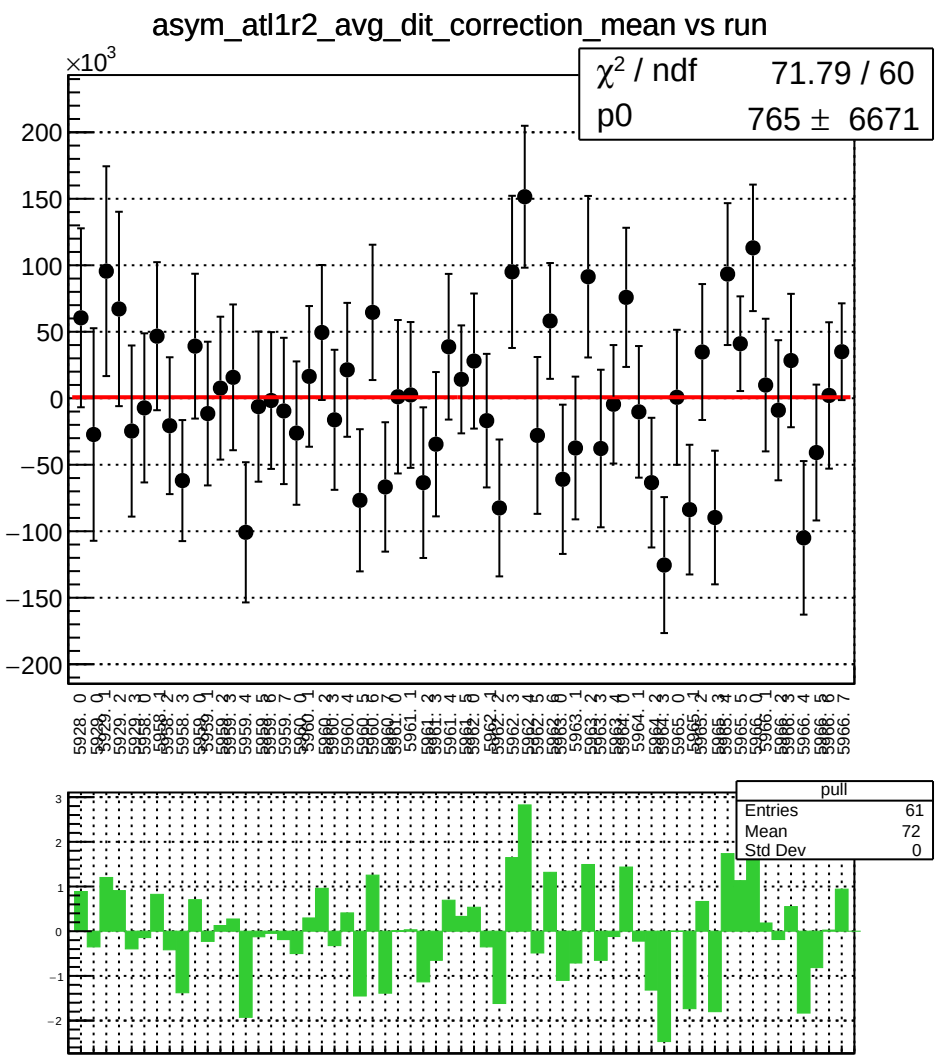

pull1D
Entries 61
Mean −0.005932
Std Dev 1.08

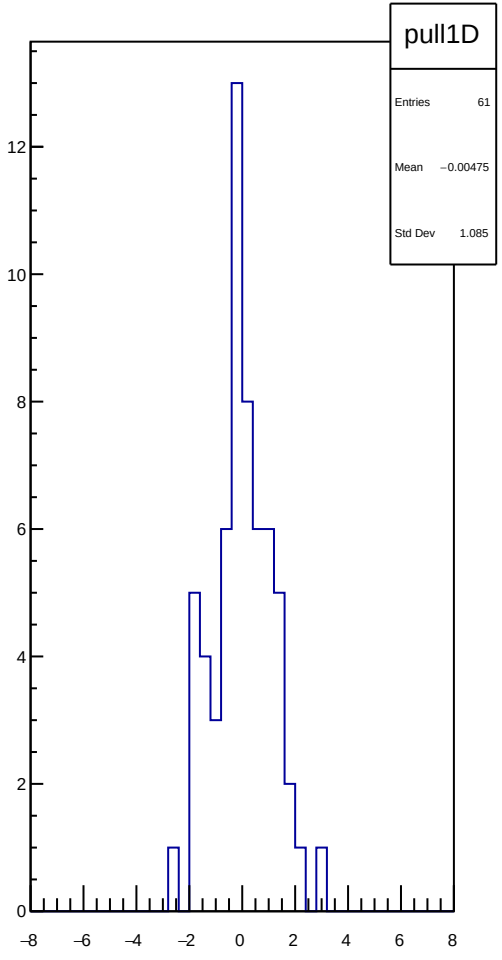

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 9637 / 60
p0 5101 ± 4.689
7000
6500
6000
5500
5000
4500

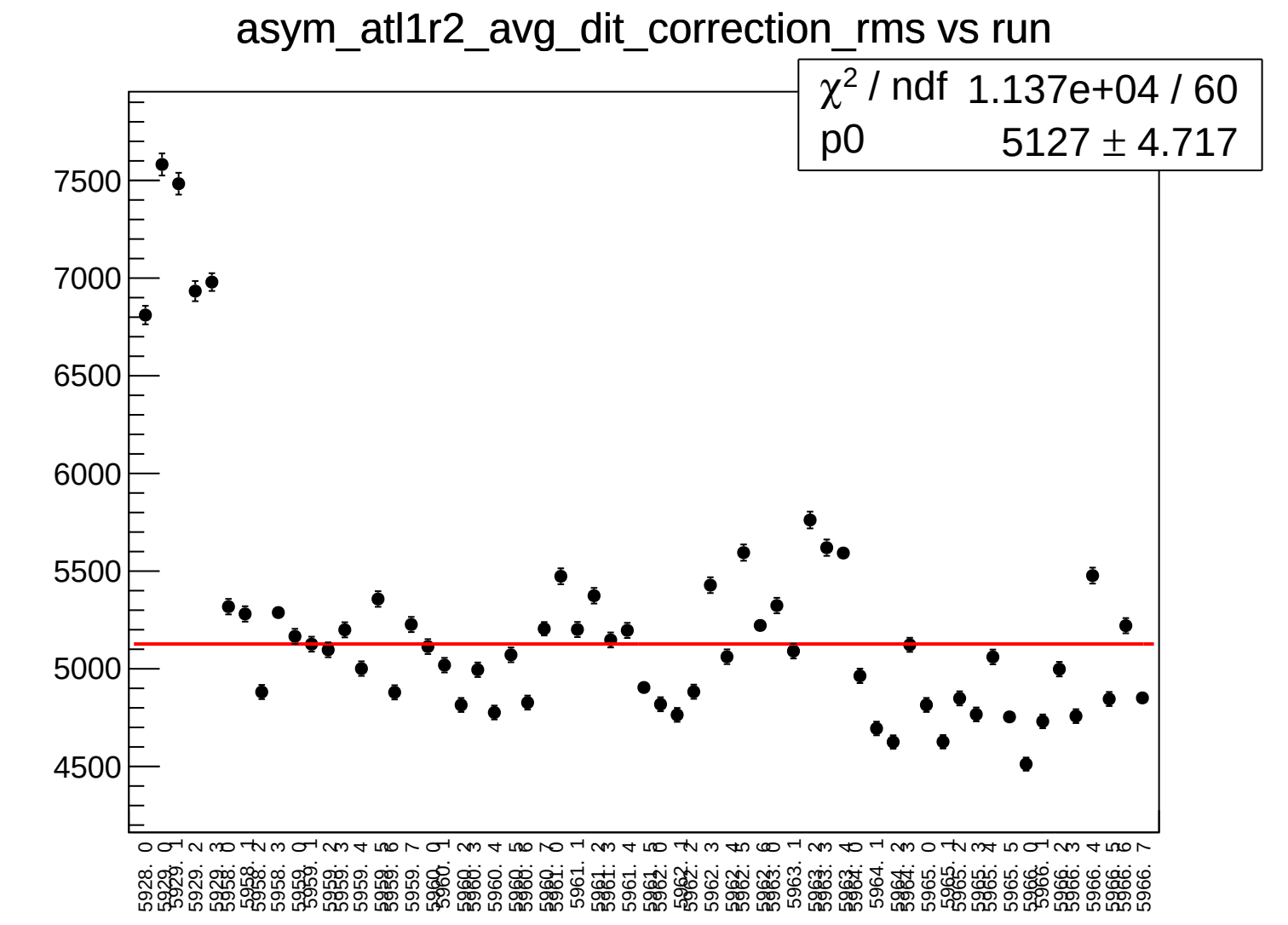

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 51.36 / 60
p0 191.2 ± 2301
pull
Entries 61
Mean −235.6
Std Dev 0

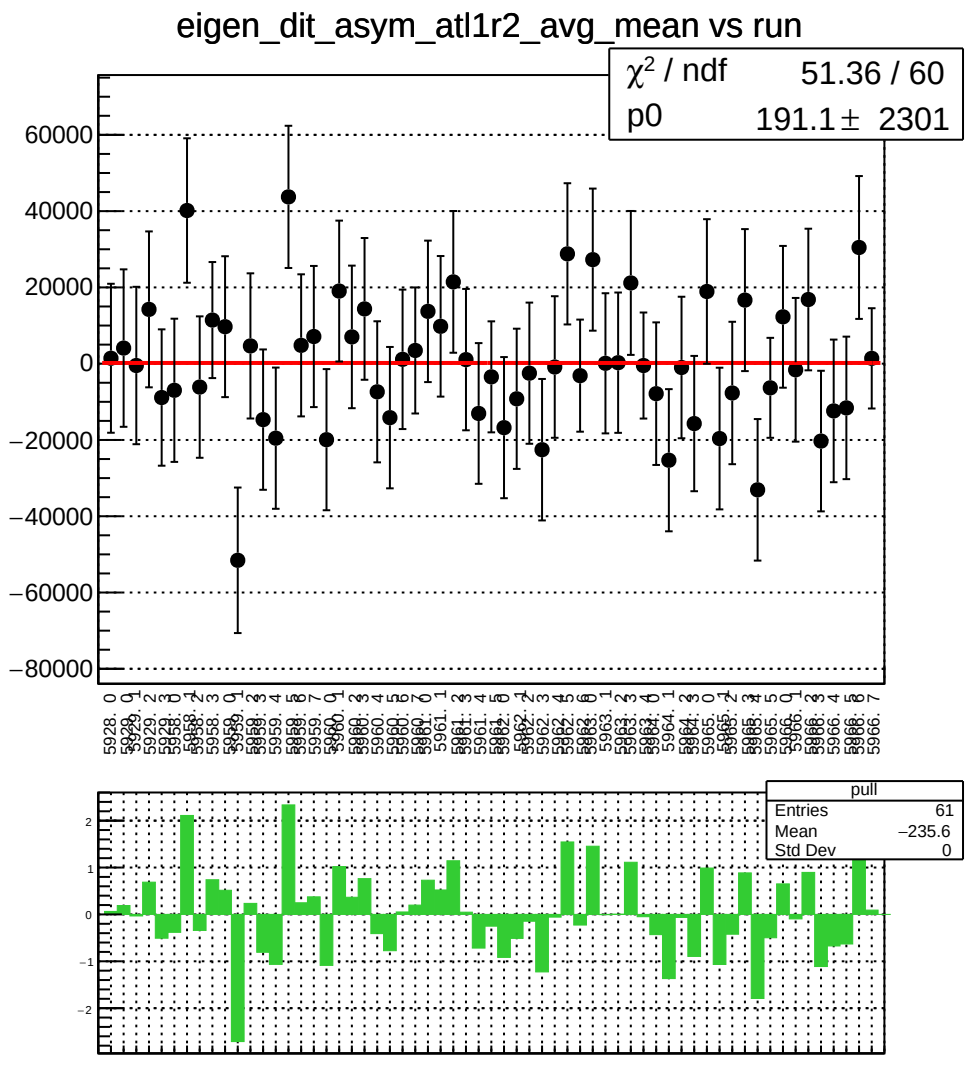

pull1D
Entries 61
Mean 0.005175
Std Dev 0.9176

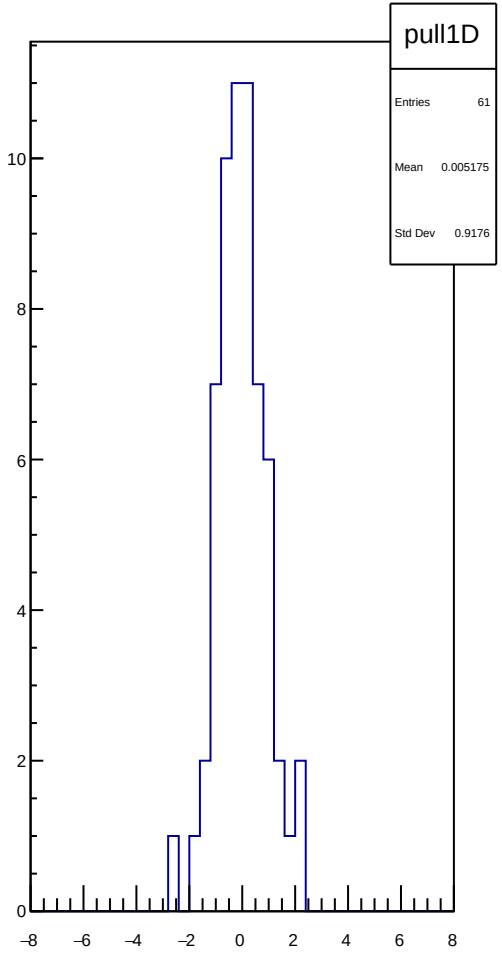

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 954.3 / 60
p0 1776 ± 1.627
2000
1950
1900
1850
1800
1750
1700

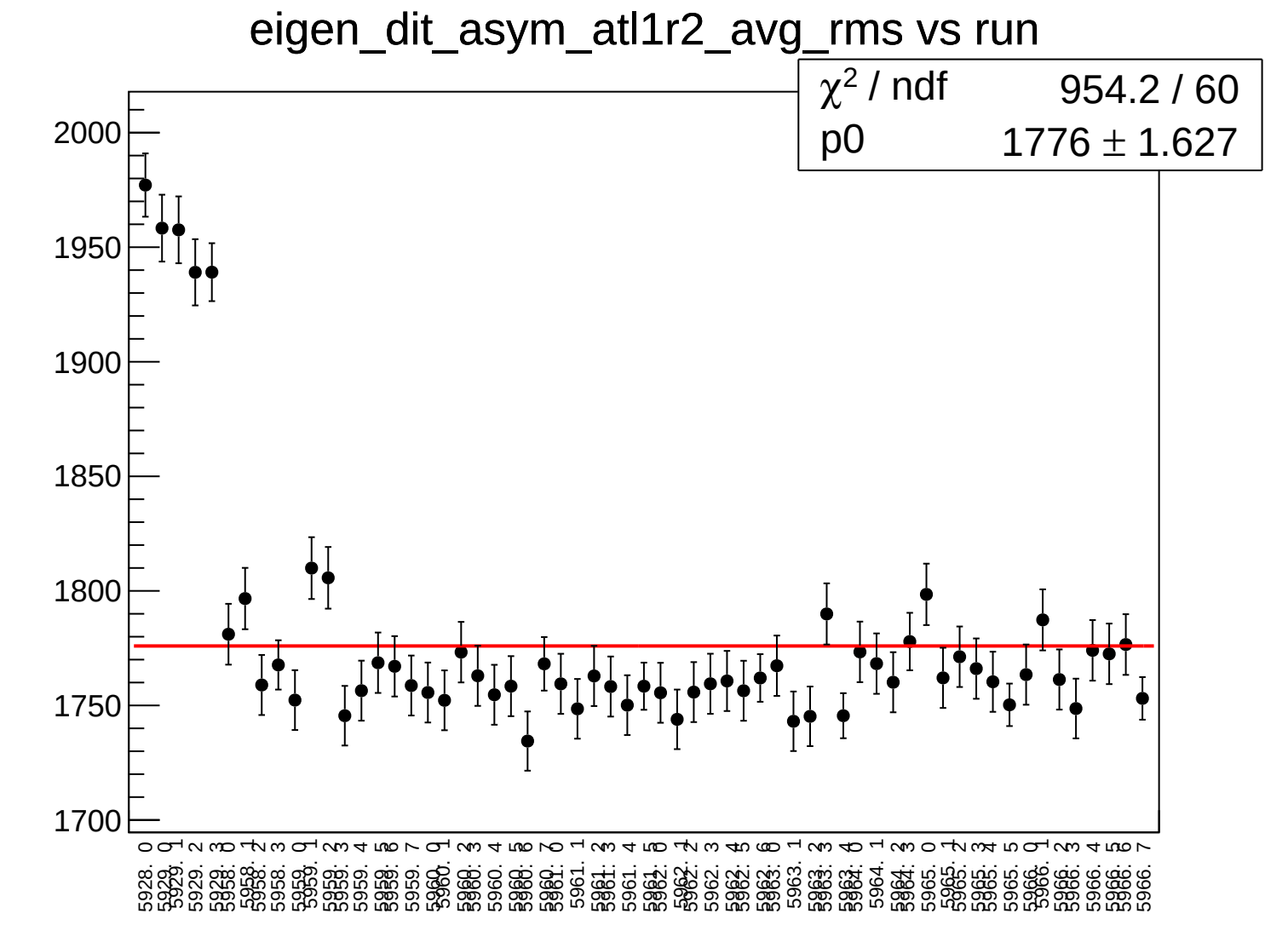

asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 71.79 / 60
p0 765 ± 6671
pull
Entries 61
Mean 72
Std Dev 0

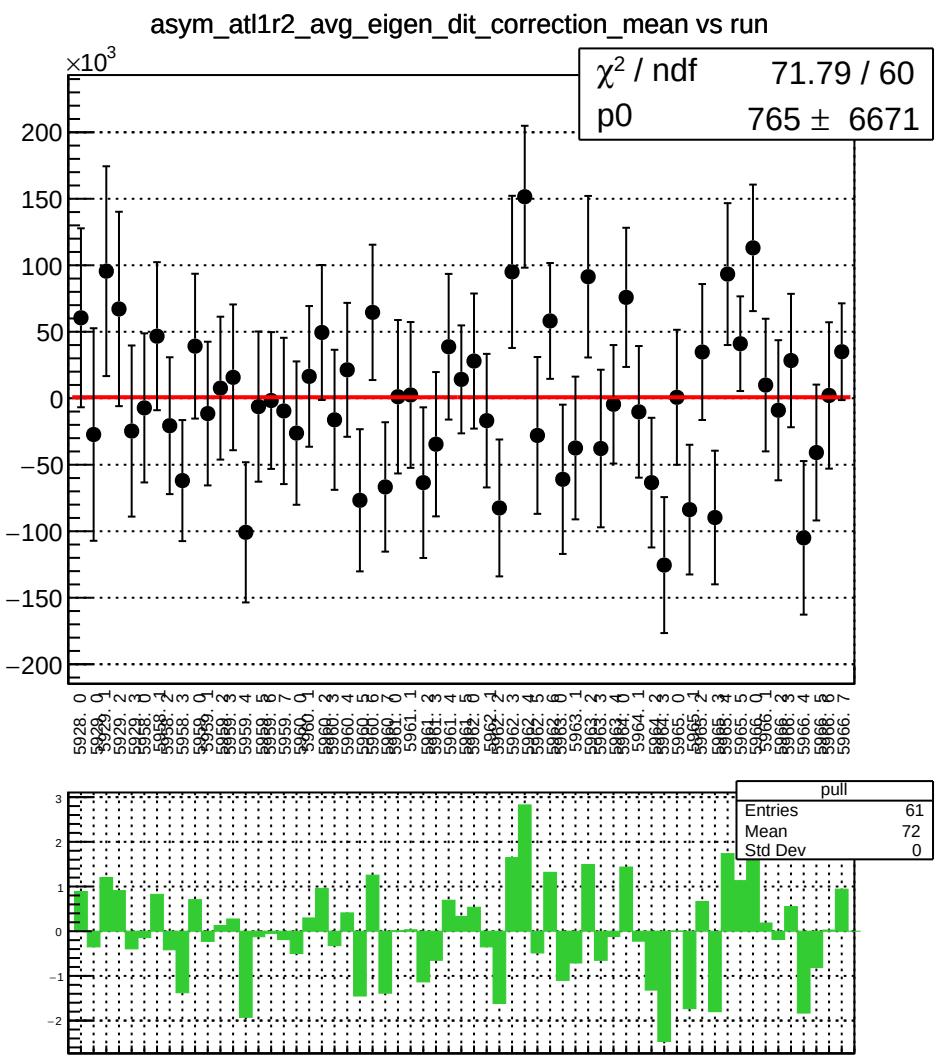

pull1D
Entries 61
Mean −0.00475
Std Dev 1.085

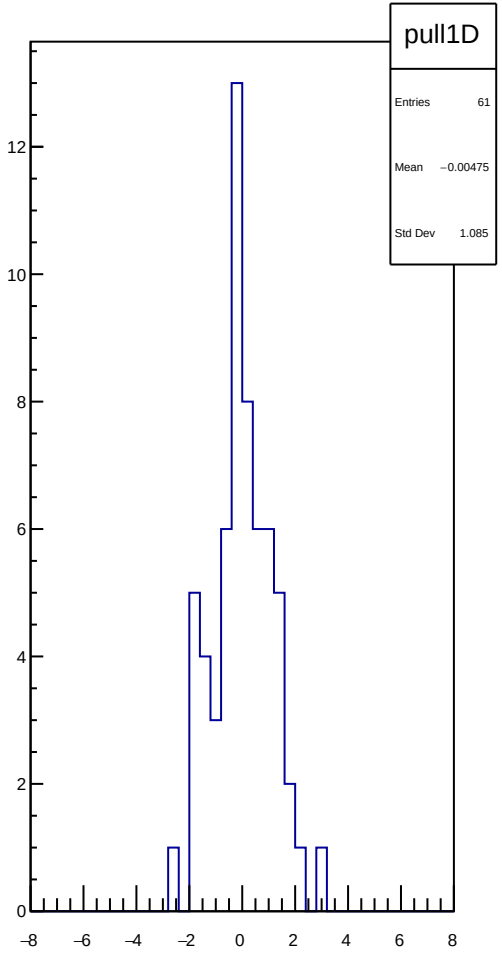

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 1.137e+04 / 60
p0 5127 ± 4.717
7500
7000
6500
6000
5500
5000
4500

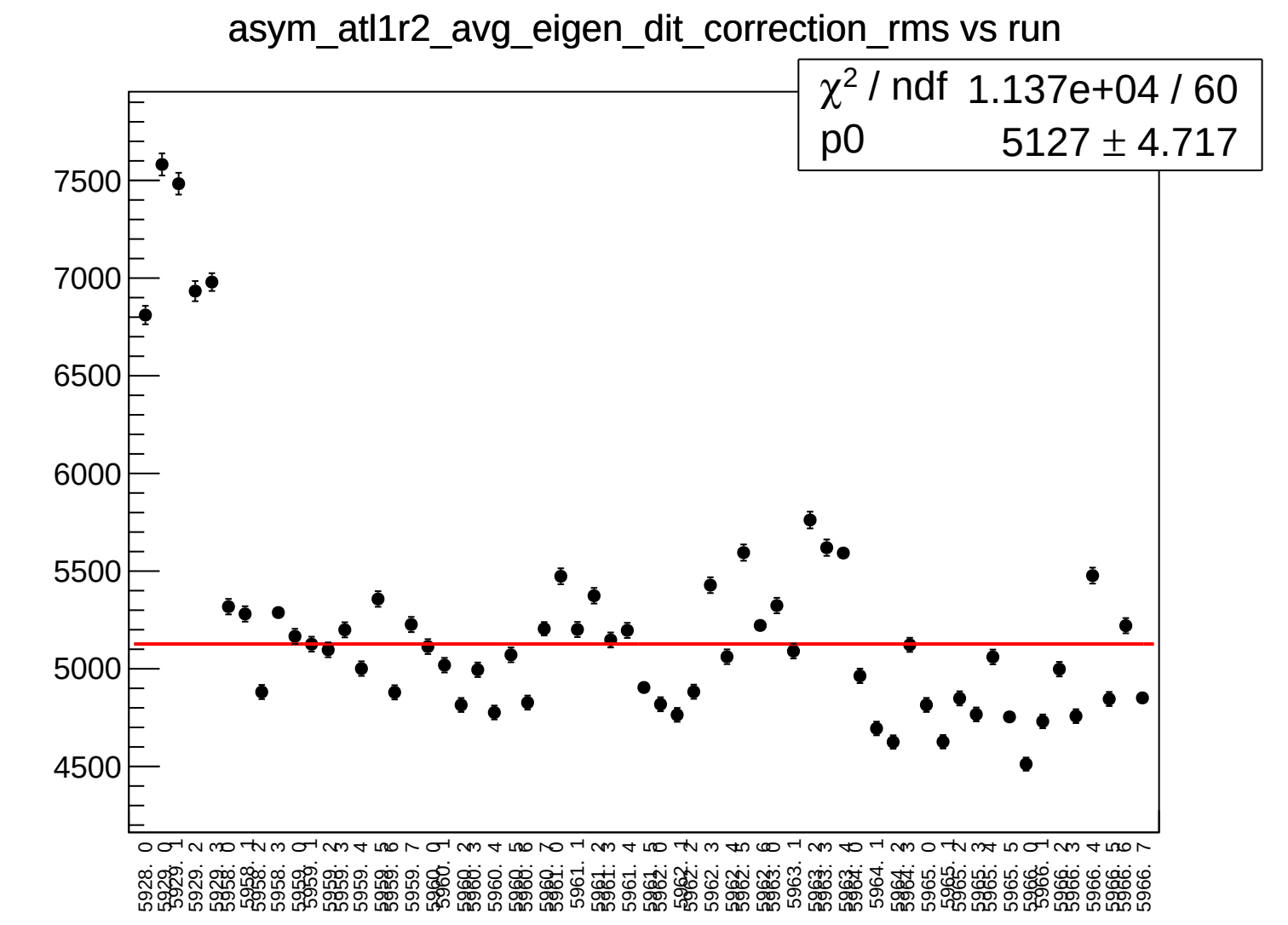

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 51.36 / 60
p0 191.1 ± 2301
pull
Entries 61
Mean −235.6
Std Dev 0

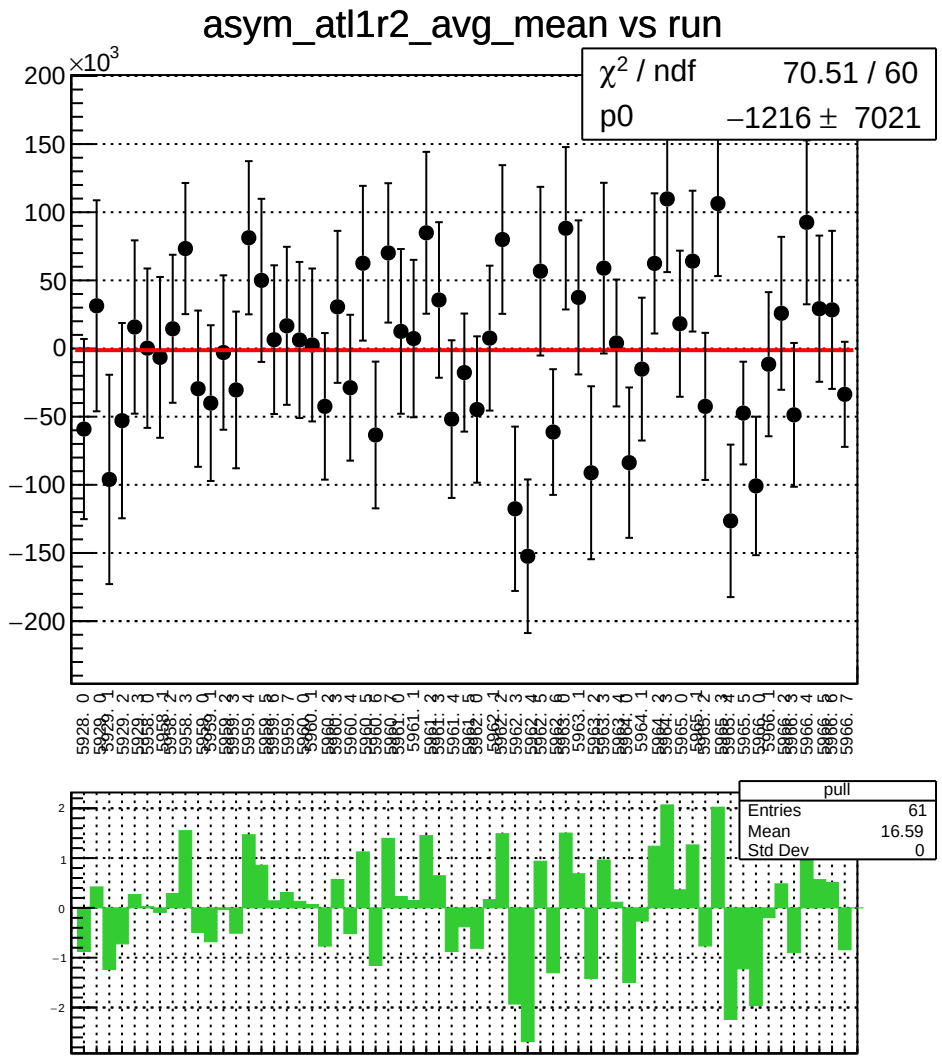

pull1D
Entries 61
Mean 0.005175
Std Dev 0.9176

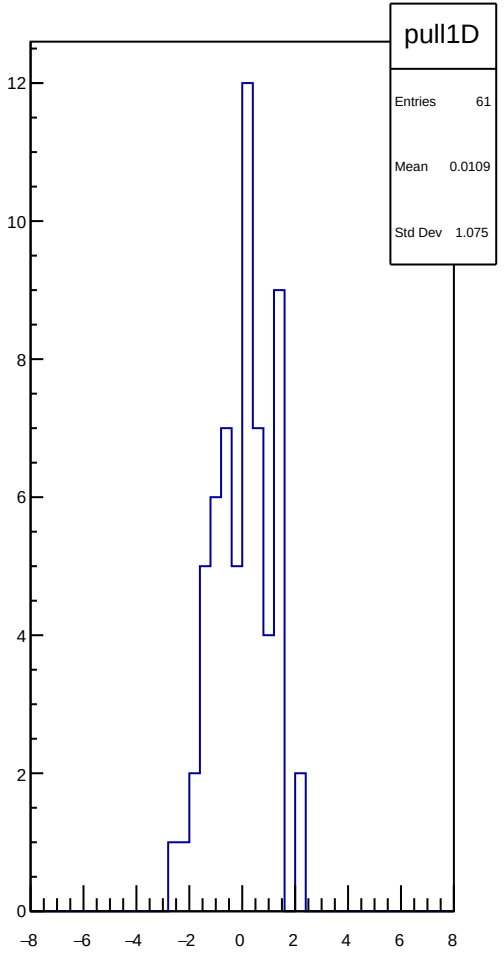

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 954.2 / 60
p0 1776 ± 1.627
2000
1950
1900
1850
1800
1750
1700

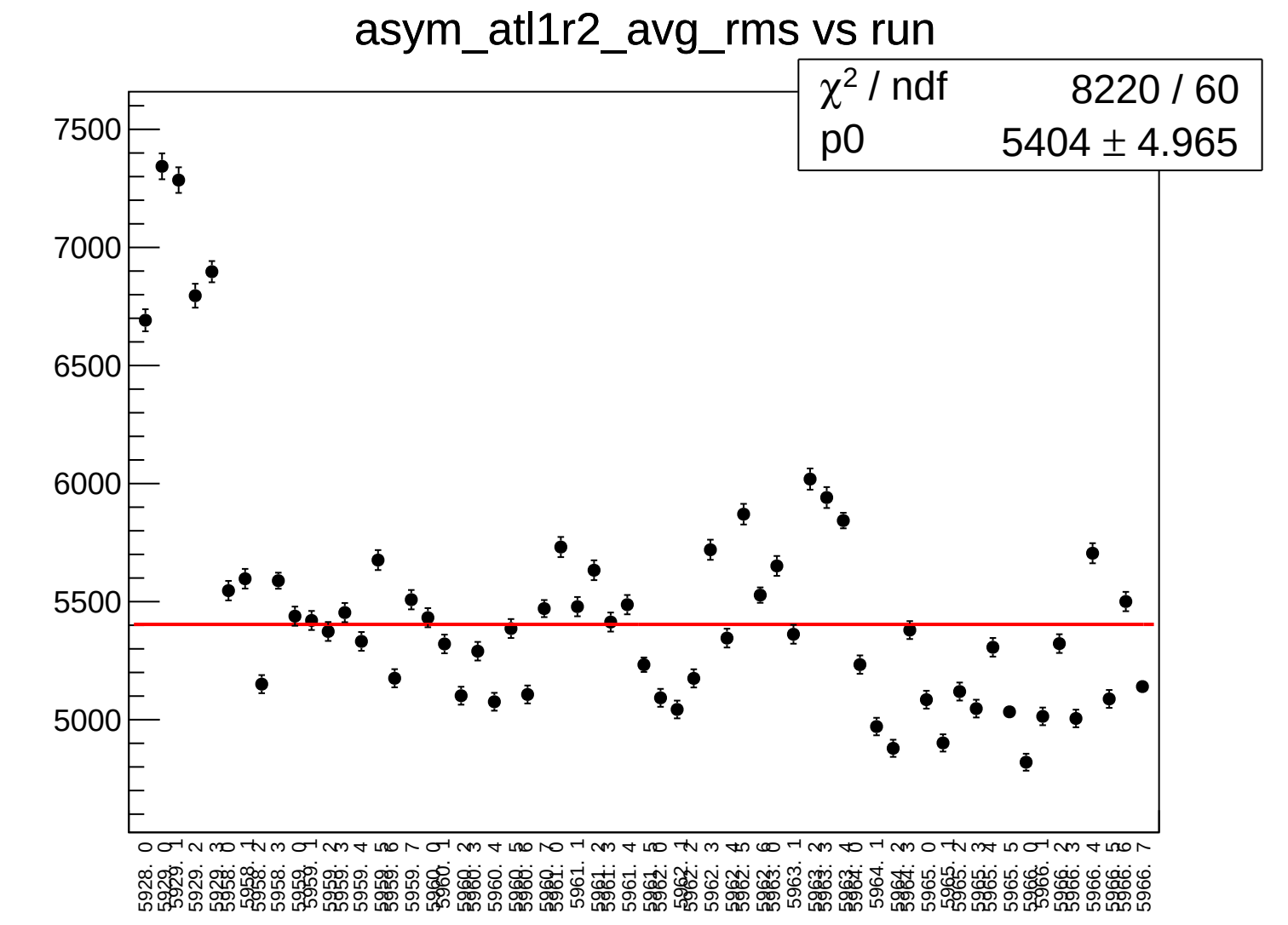

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 71.79 / 60
p0 765 ± 6671
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 61
Mean 72
Std Dev 0
3
2
1
0
−1
−2

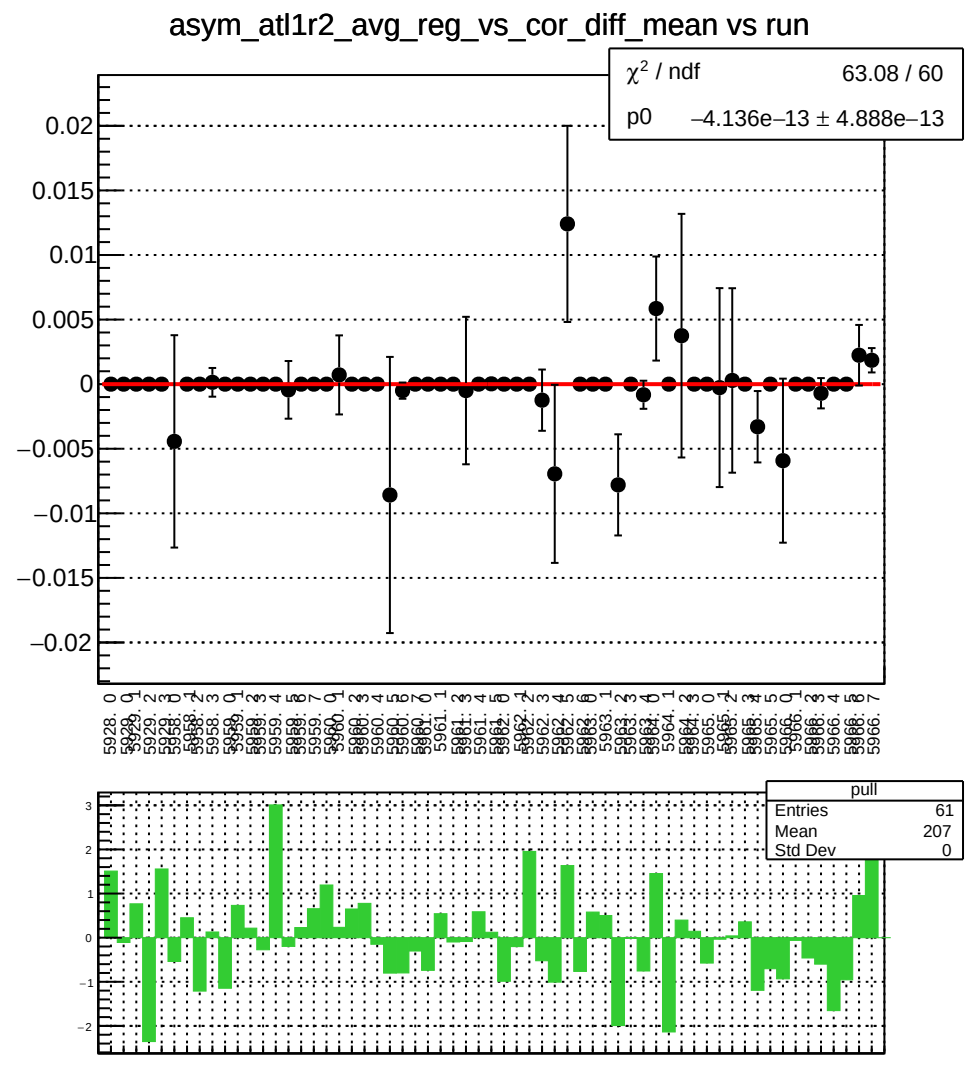

pull1D
Entries 61
Mean −0.00475
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

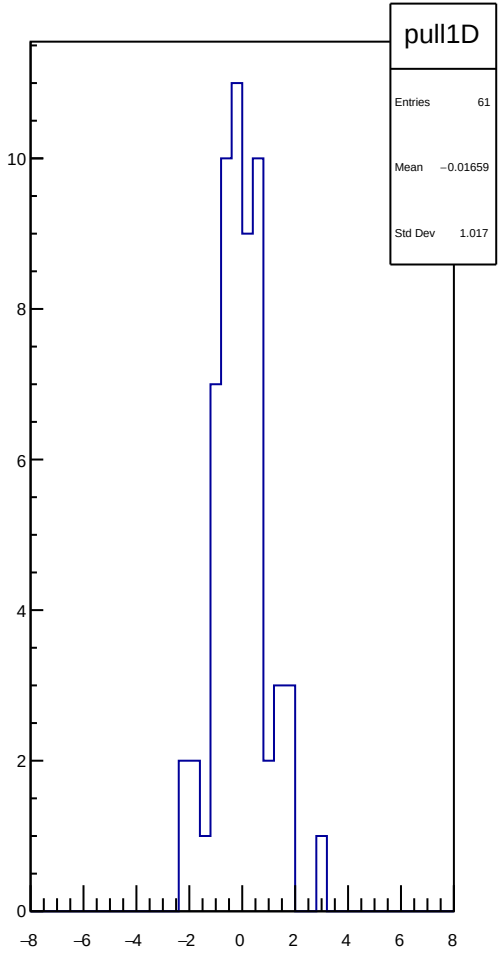

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.137e+04 / 60
p0 5127 ± 4.717
7500
7000
6500
6000
5500
5000
4500

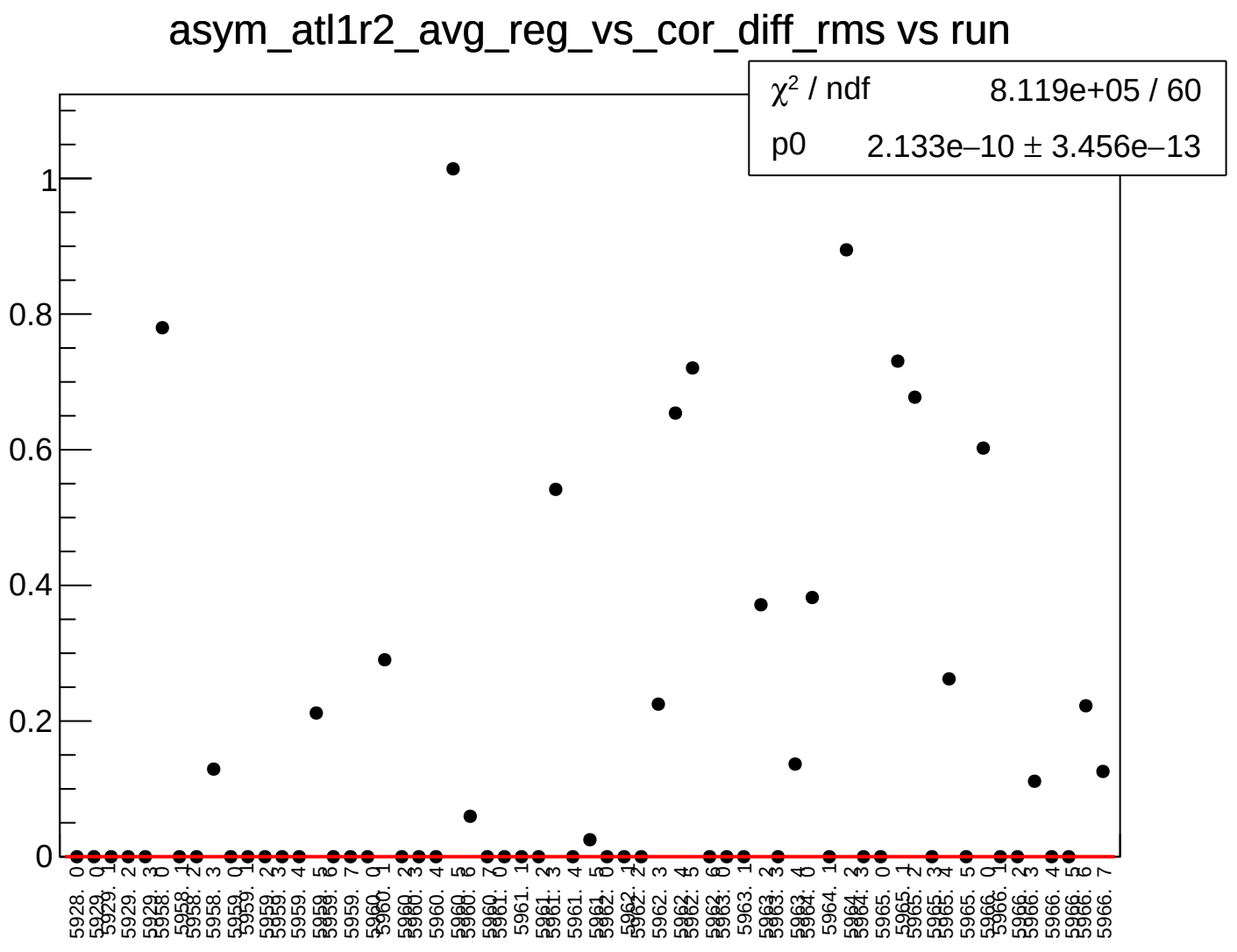

asym_atl1r2_avg_mean vs run
χ² / ndf 70.51 / 60
p0 −1216 ± 7021
×10³
pull
Entries 61
Mean 16.59
Std Dev 0

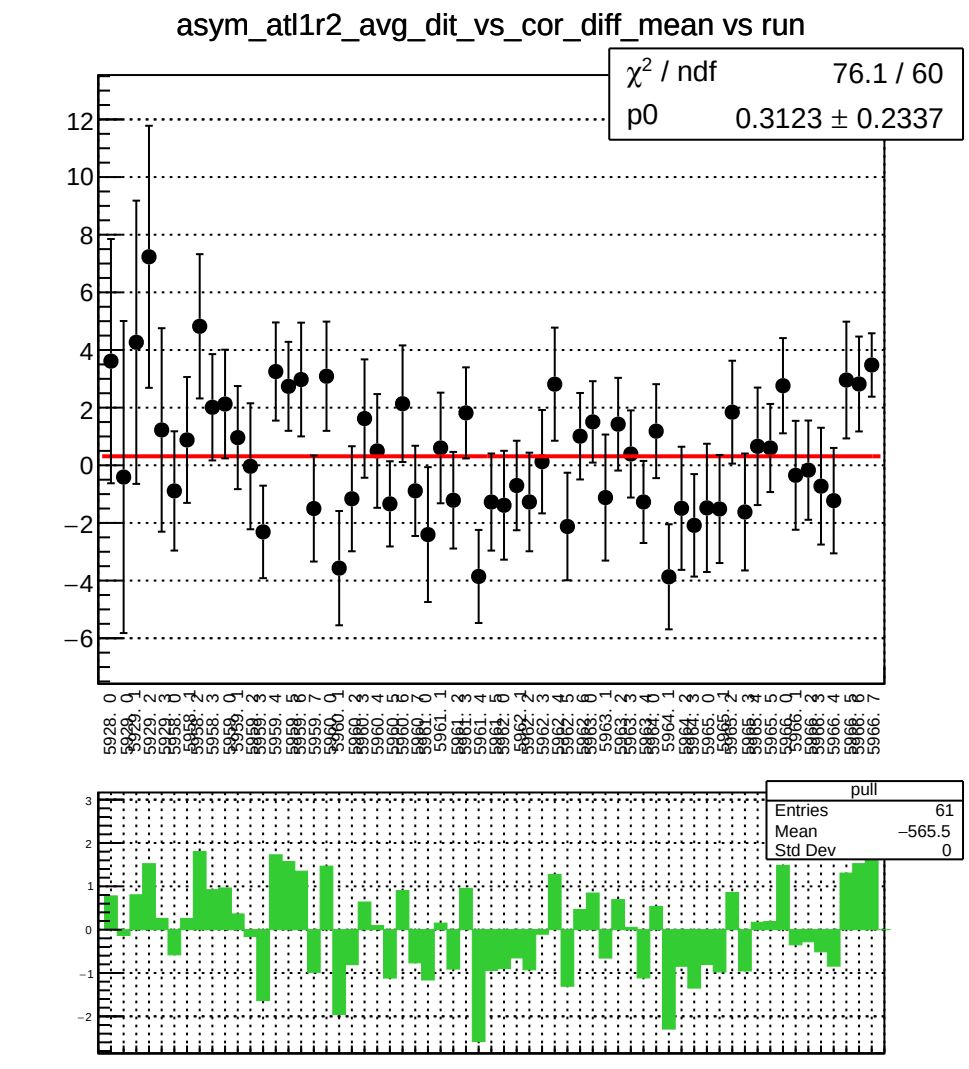

pull1D
Entries 61
Mean 0.0109
Std Dev 1.075

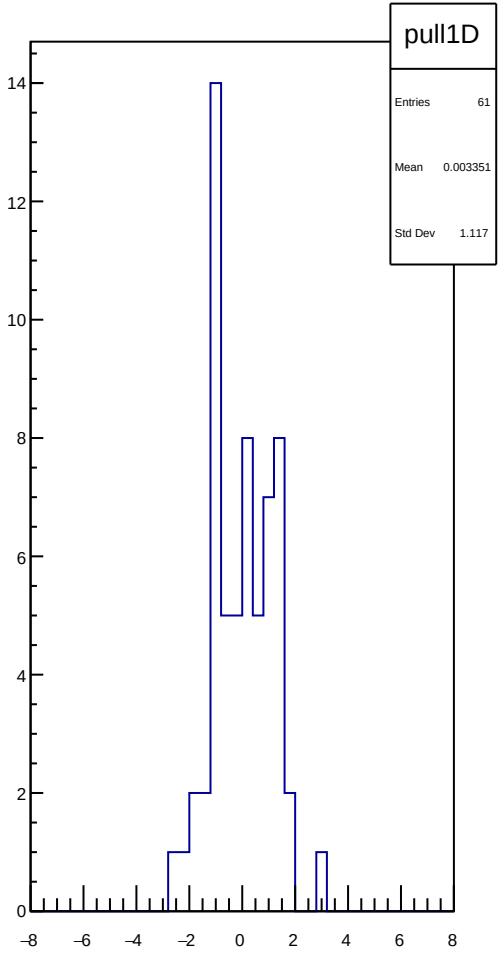

asym_atl1r2_avg_rms vs run
χ^2 / ndf 8220 / 60
p0 5404 ± 4.965
7500
7000
6500
6000
5500
5000

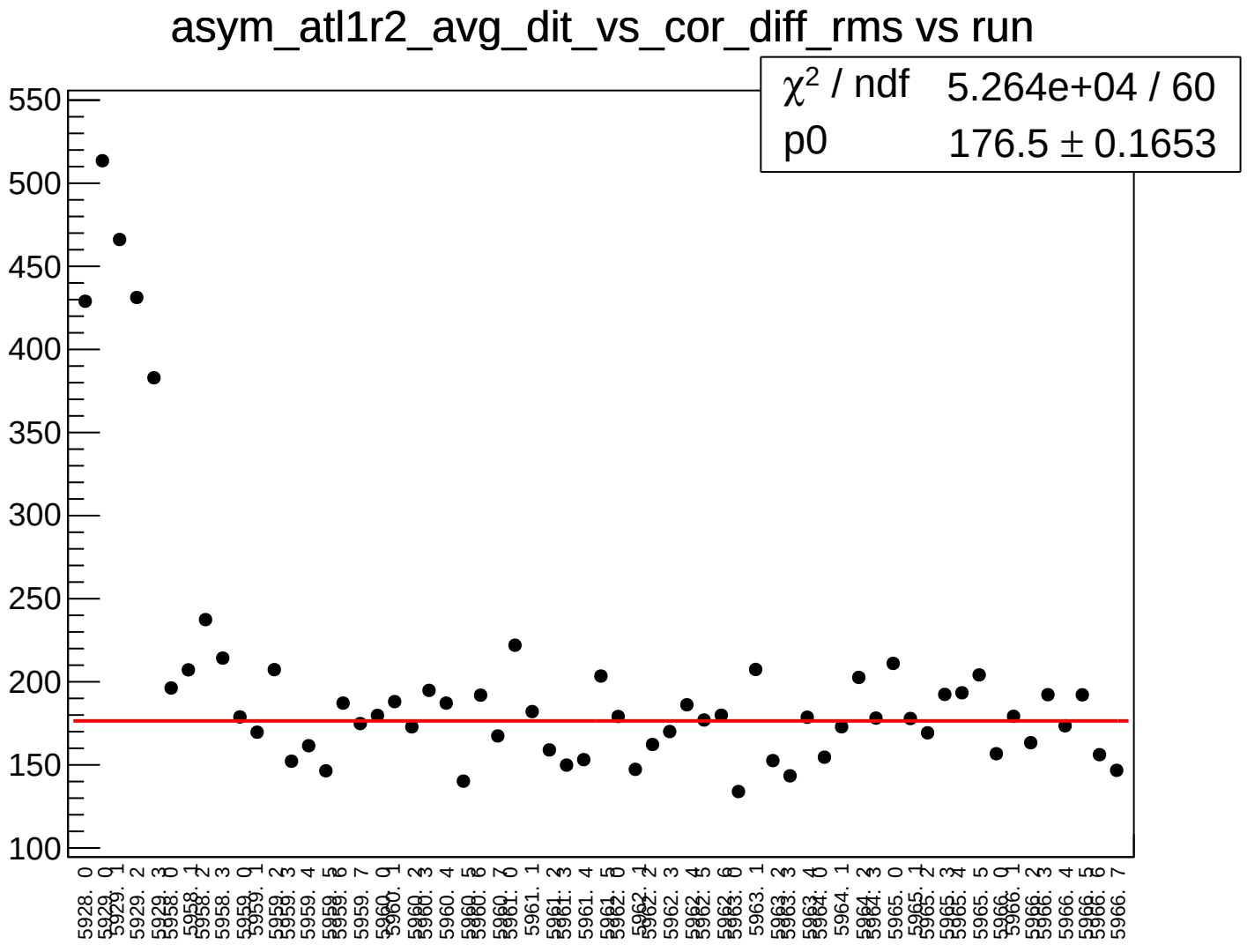

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.08 / 60
p0 −4.136e−13 ± 4.888e−13
pull
Entries 61
Mean 207
Std Dev 0

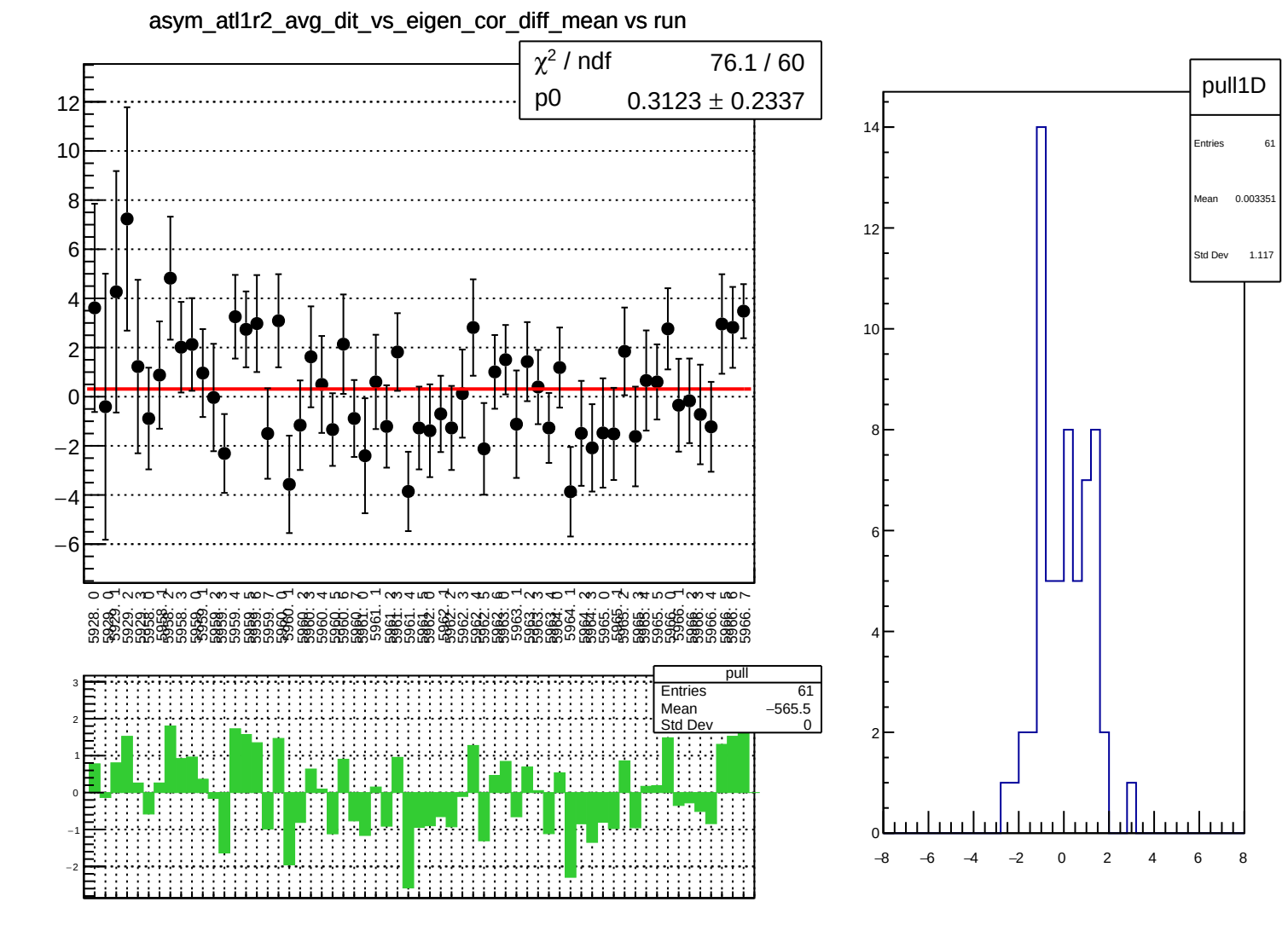

pull1D
Entries 61
Mean −0.01659
Std Dev 1.017

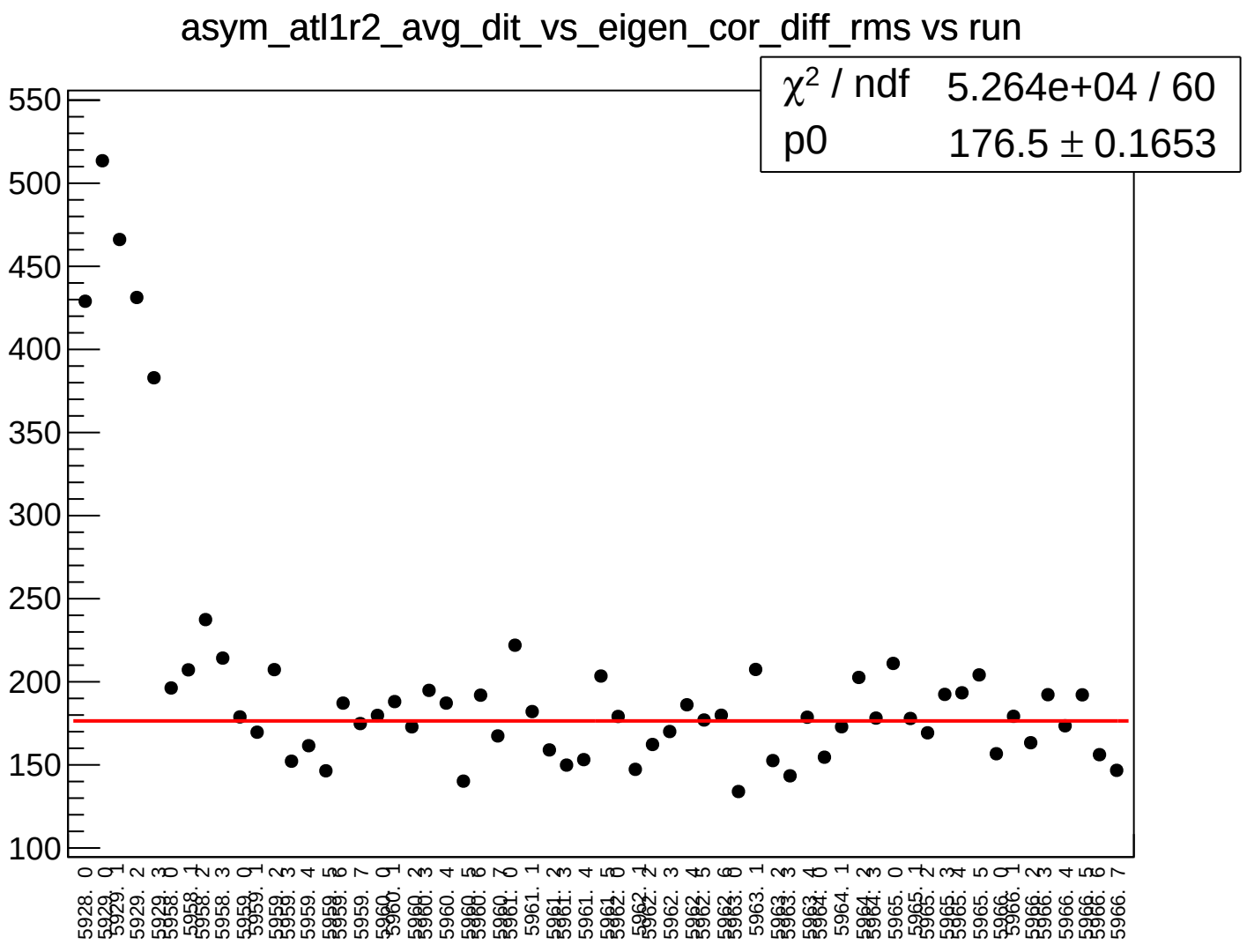

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.119e+05 / 60
p0 2.133e−10 ± 3.456e−13
1
0.8
0.6
0.4
0.2
0

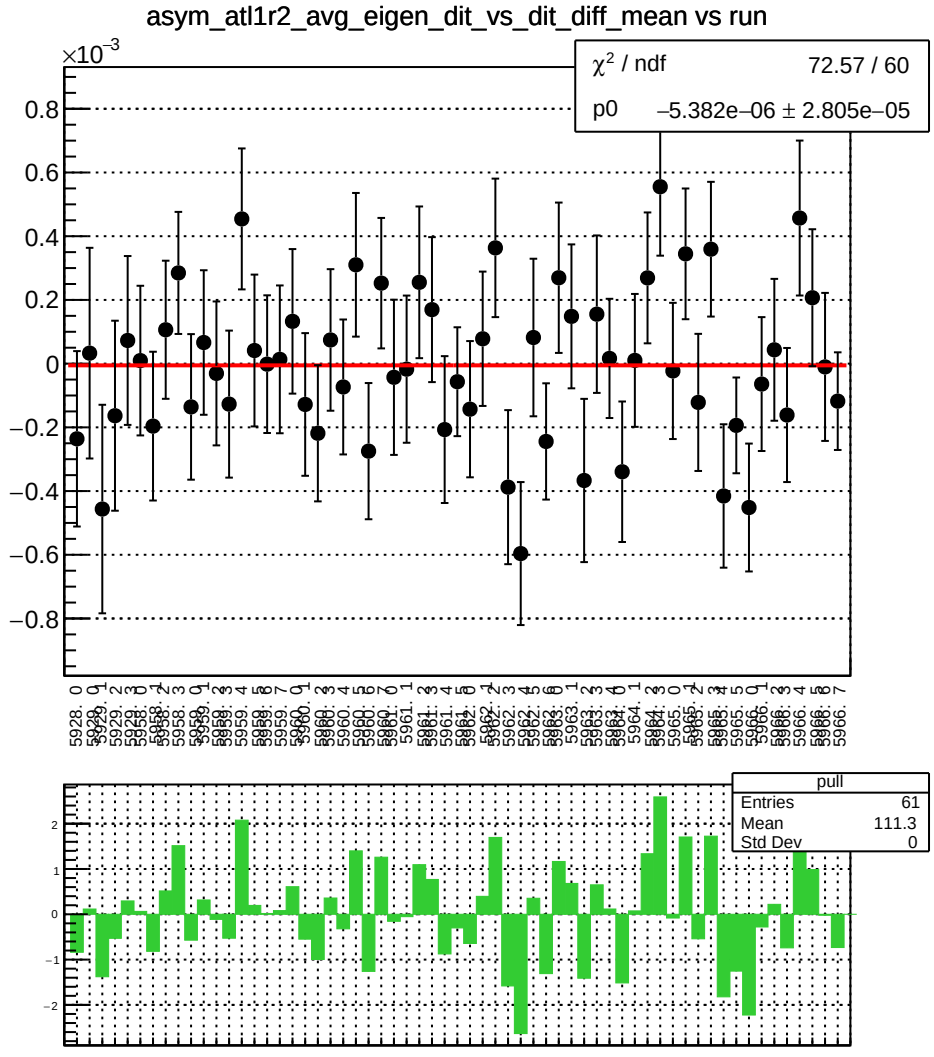

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.1 / 60
p0 0.3123 ± 0.2337
pull
Entries 61
Mean −565.5
Std Dev 0

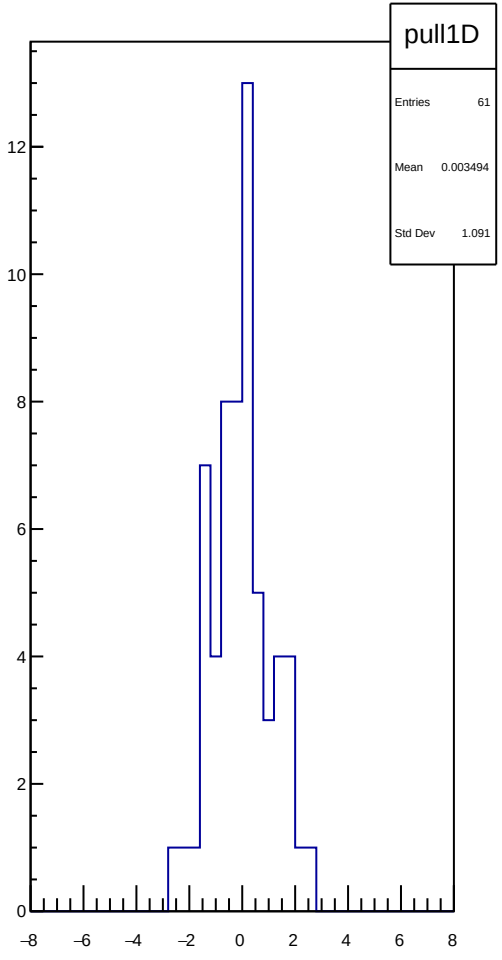

pull1D
Entries 61
Mean 0.003351
Std Dev 1.117

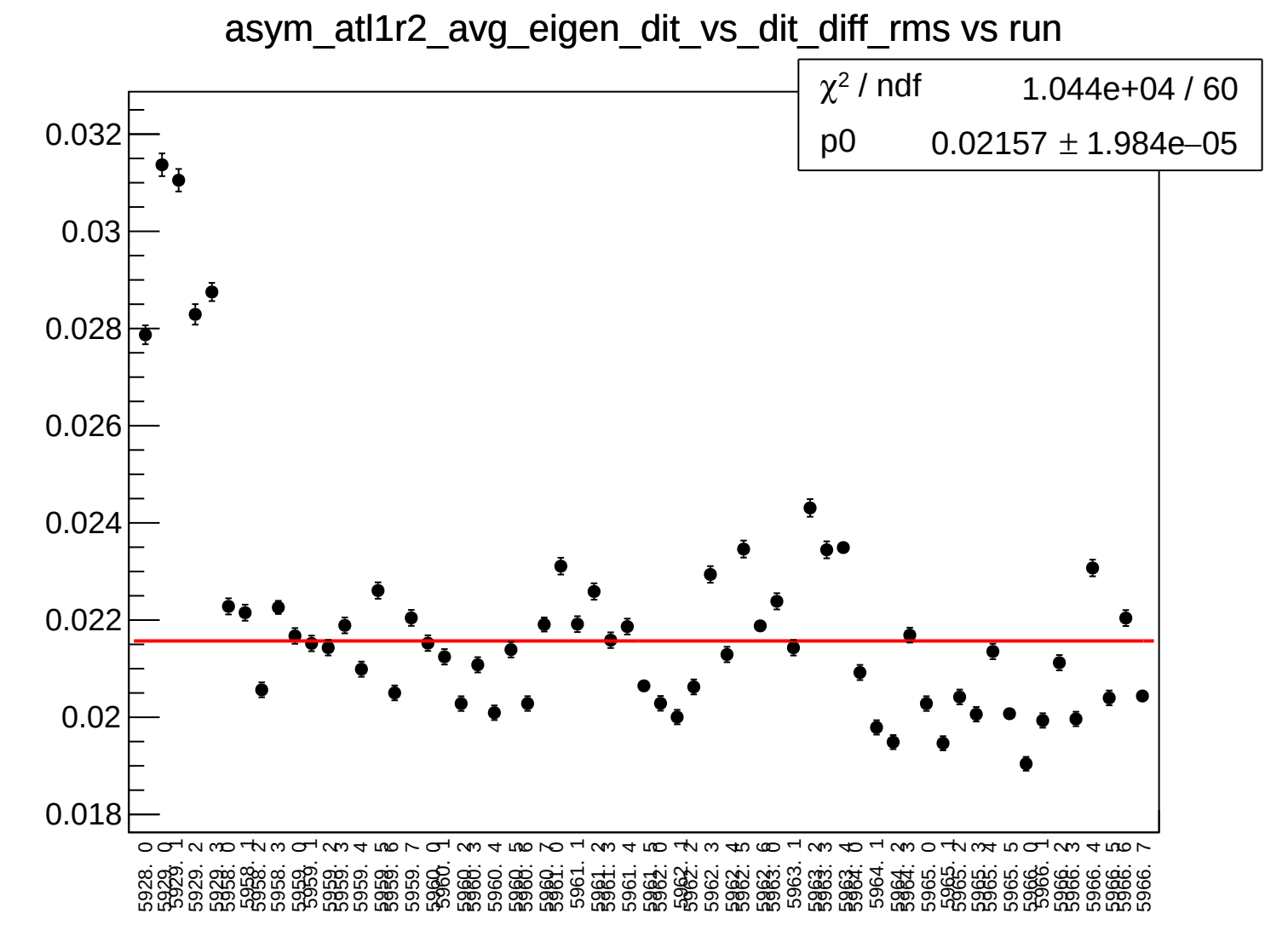

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.264e+04 / 60
p0 176.5 ± 0.1653
550
500
450
400
350
300
250
200
150
100

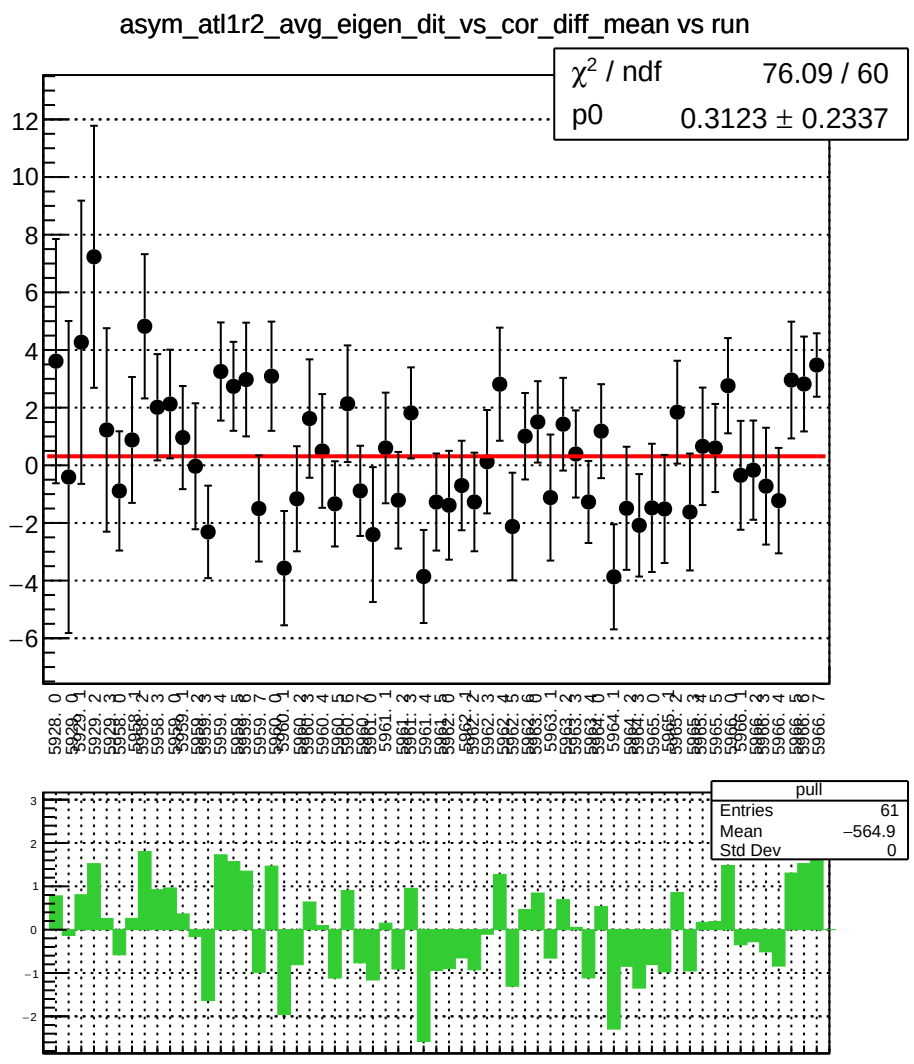

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.1 / 60
p0 0.3123 ± 0.2337
pull
Entries 61
Mean −565.5
Std Dev 0
pull1D
Entries 61
Mean 0.003351
Std Dev 1.117

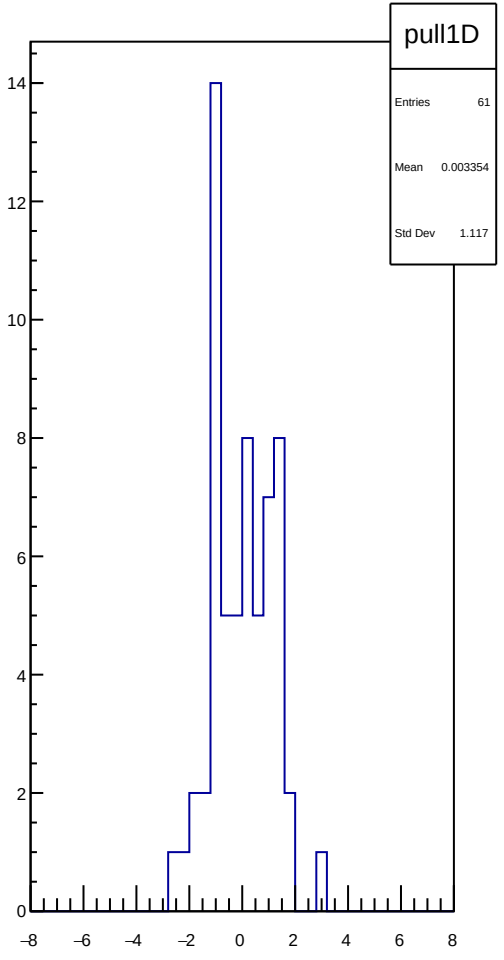

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.264e+04 / 60
p0 176.5 ± 0.1653
550
500
450
400
350
300
250
200
150
100

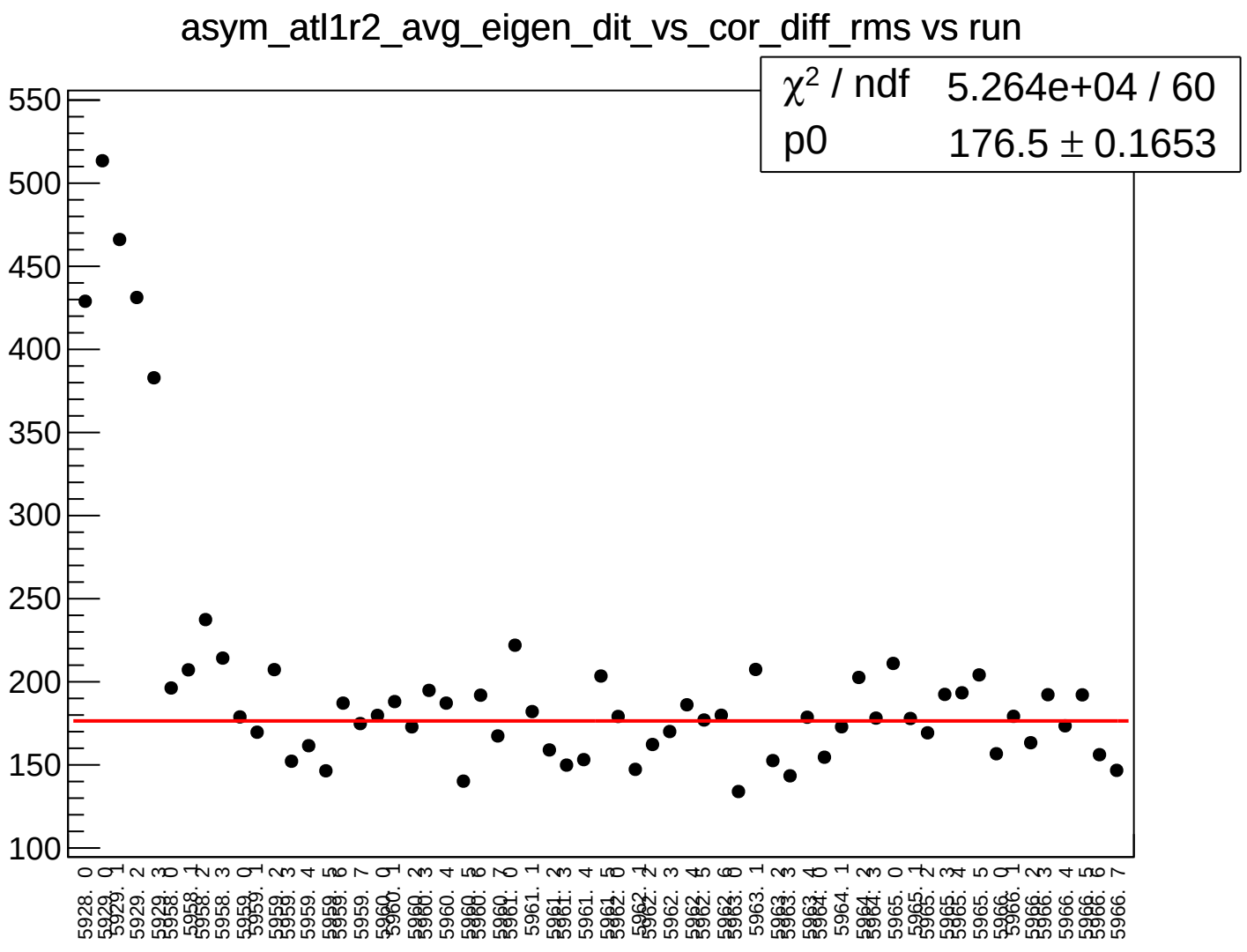

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.57 / 60
p0 −5.382e−06 ± 2.805e−05
pull
Entries 61
Mean 111.3
Std Dev 0

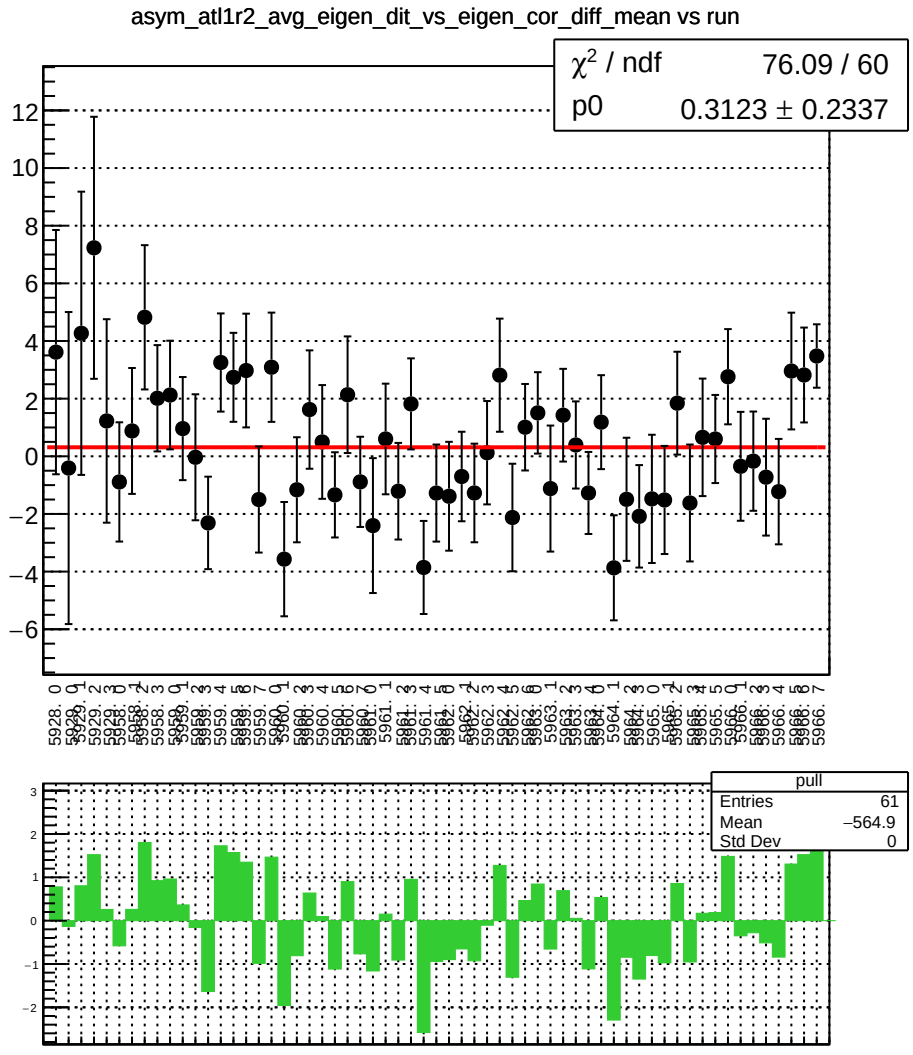

pull1D
Entries 61
Mean 0.003494
Std Dev 1.091

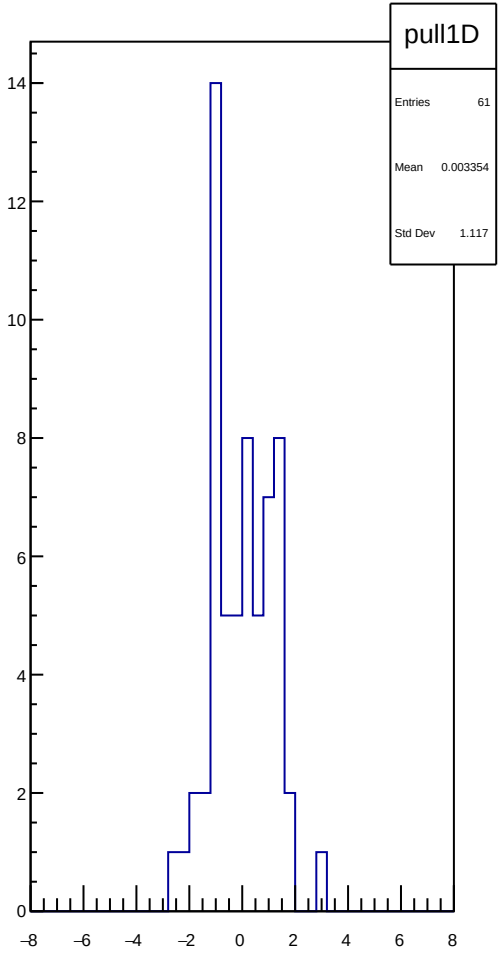

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.044e+04 / 60
p0 0.02157 ± 1.984e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018

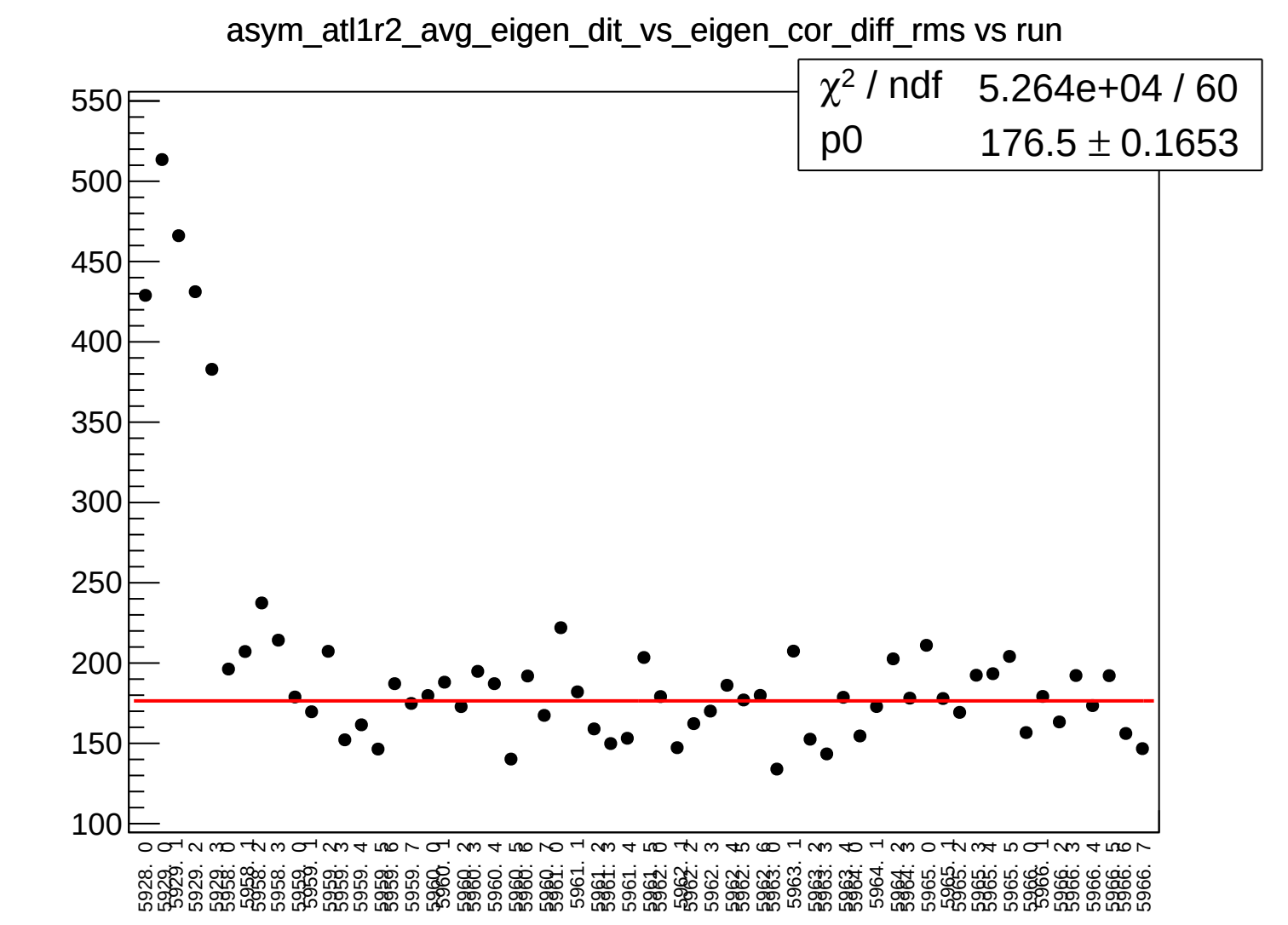

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.09 / 60
p0 0.3123 ± 0.2337
pull
Entries 61
Mean −564.9
Std Dev 0

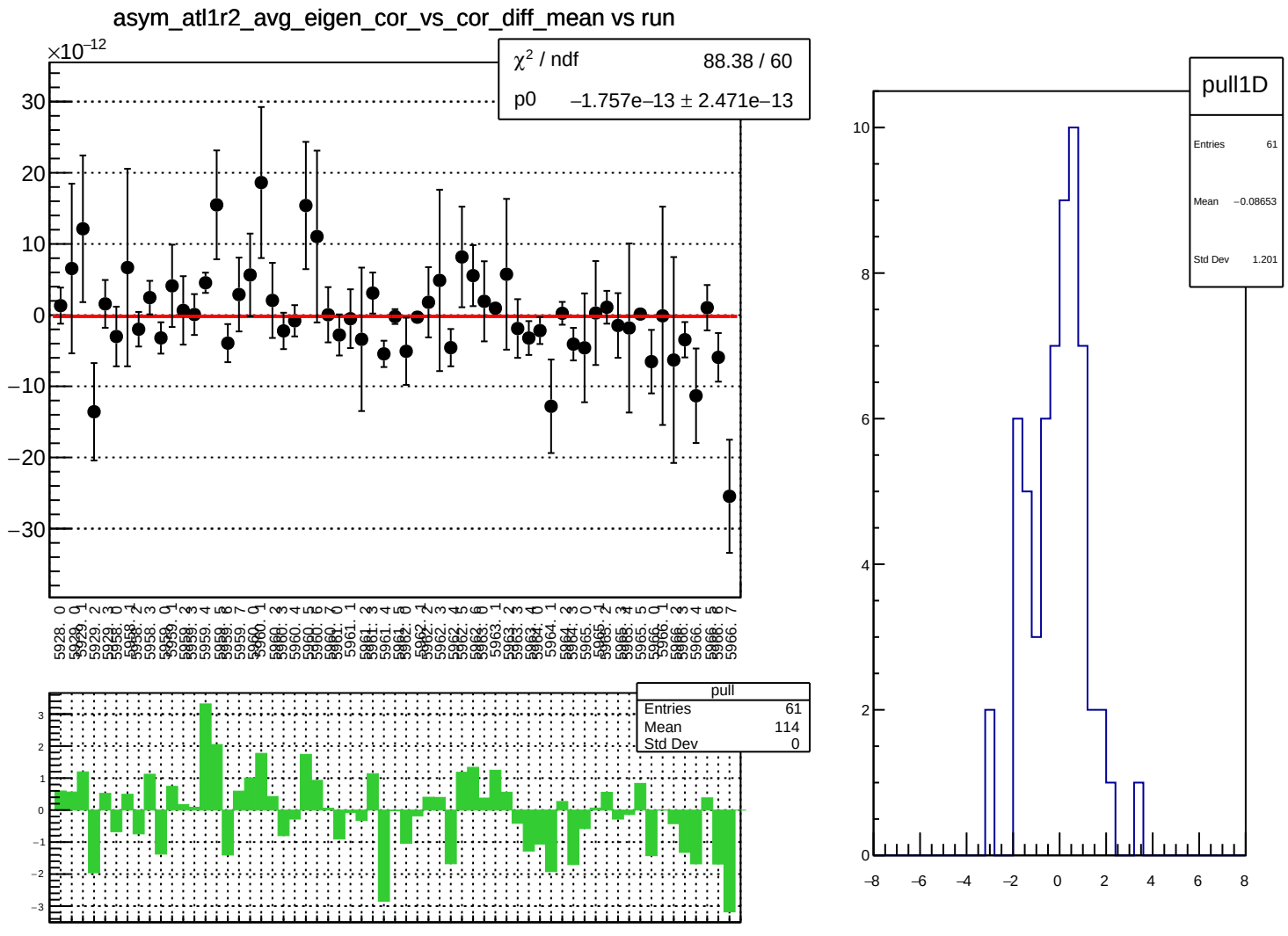

pull1D
Entries 61
Mean 0.003354
Std Dev 1.117

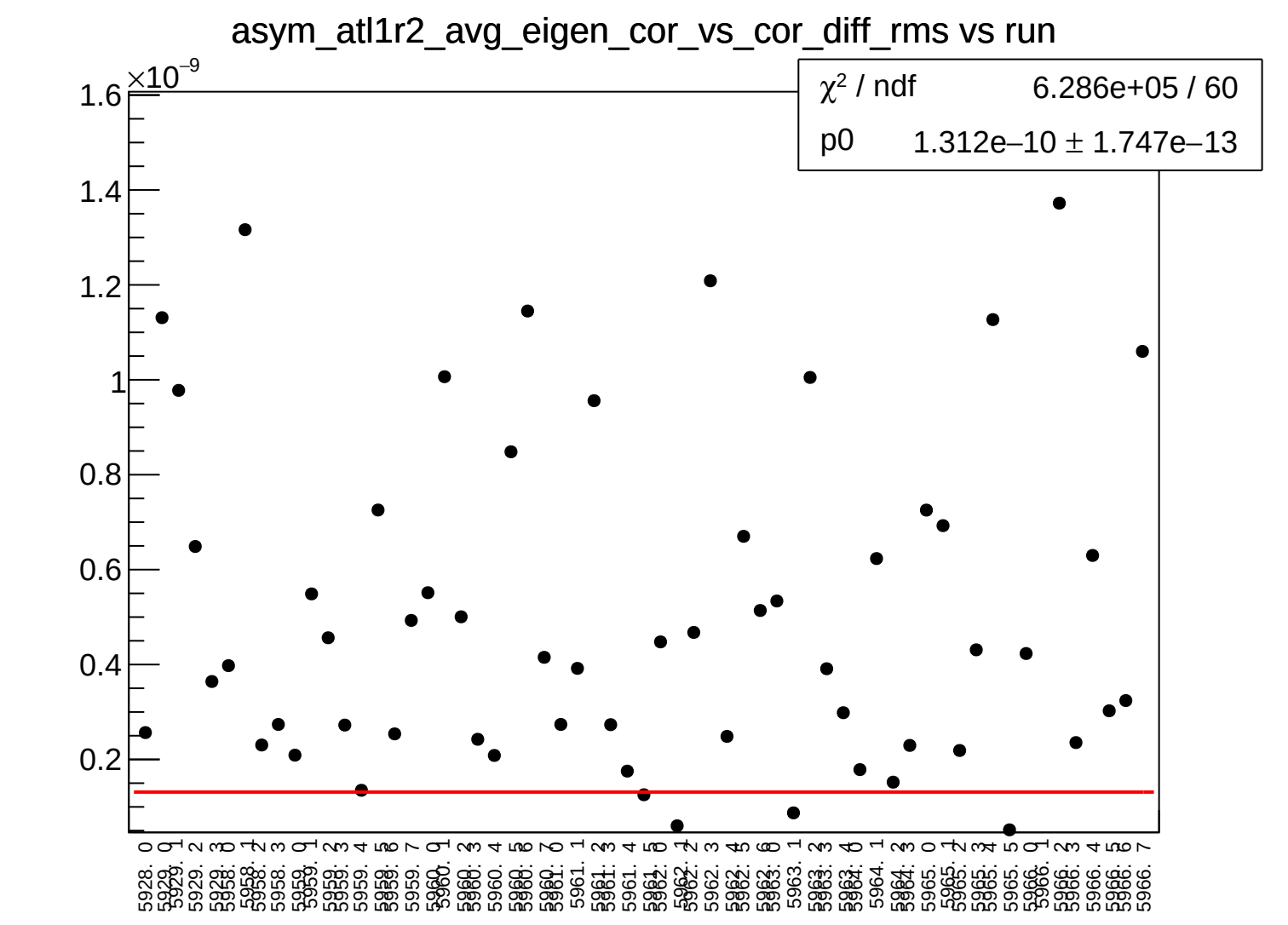

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.264e+04 / 60
p0 176.5 ± 0.1653
550
500
450
400
350
300
250
200
150
100

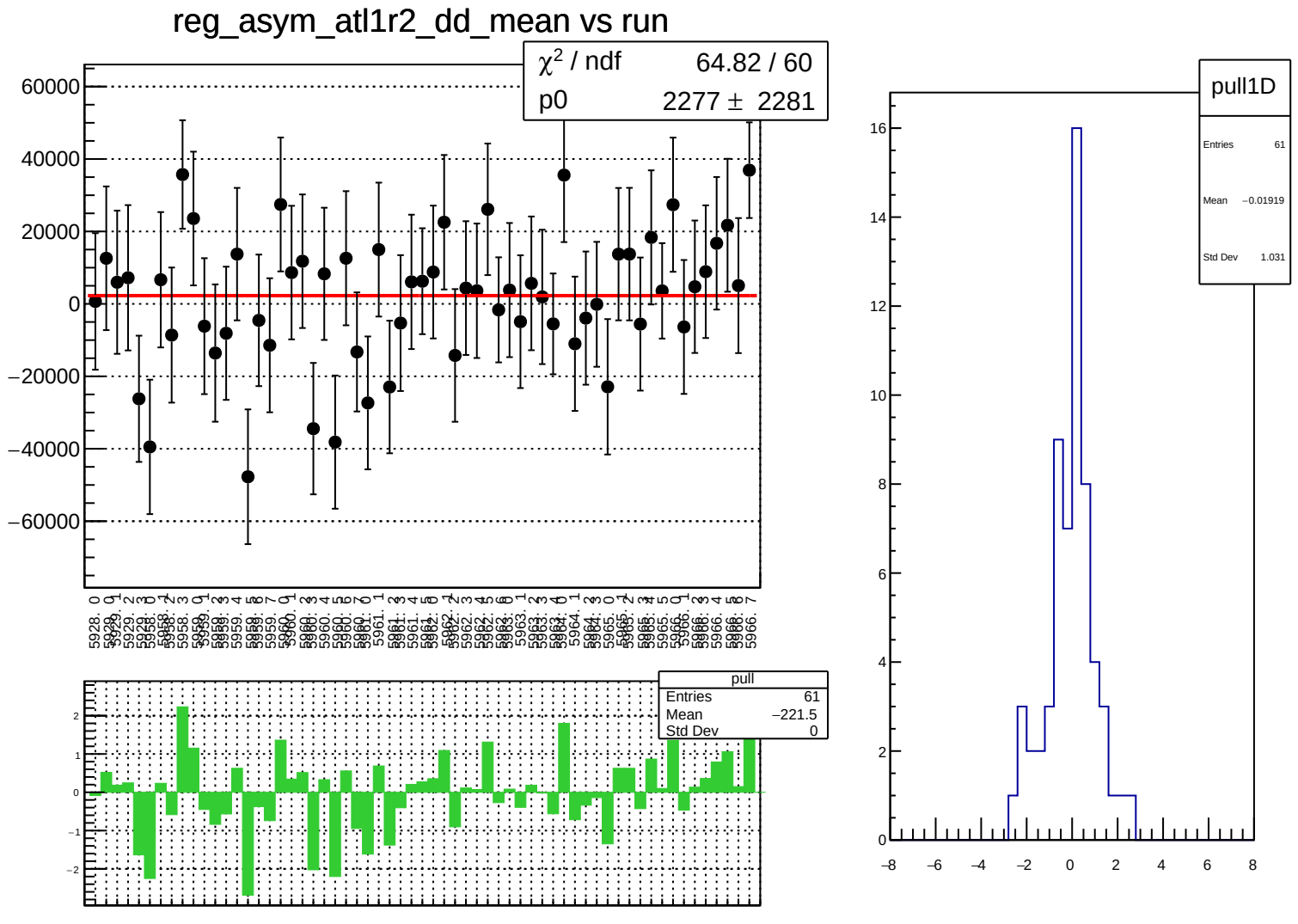

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.09 / 60
p0 0.3123 ± 0.2337
pull
Entries 61
Mean −564.9
Std Dev 0

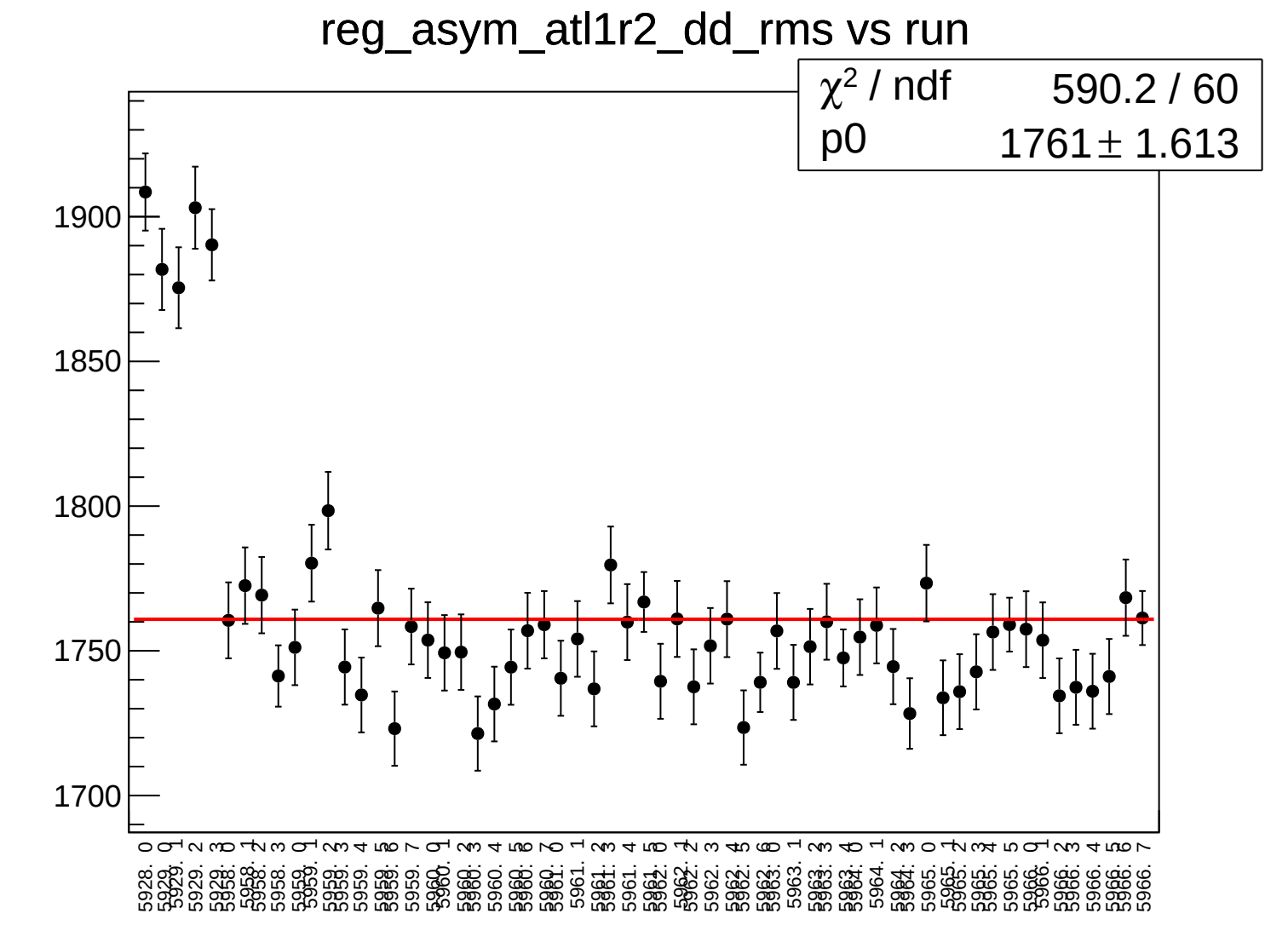

pull1D
Entries 61
Mean 0.003354
Std Dev 1.117

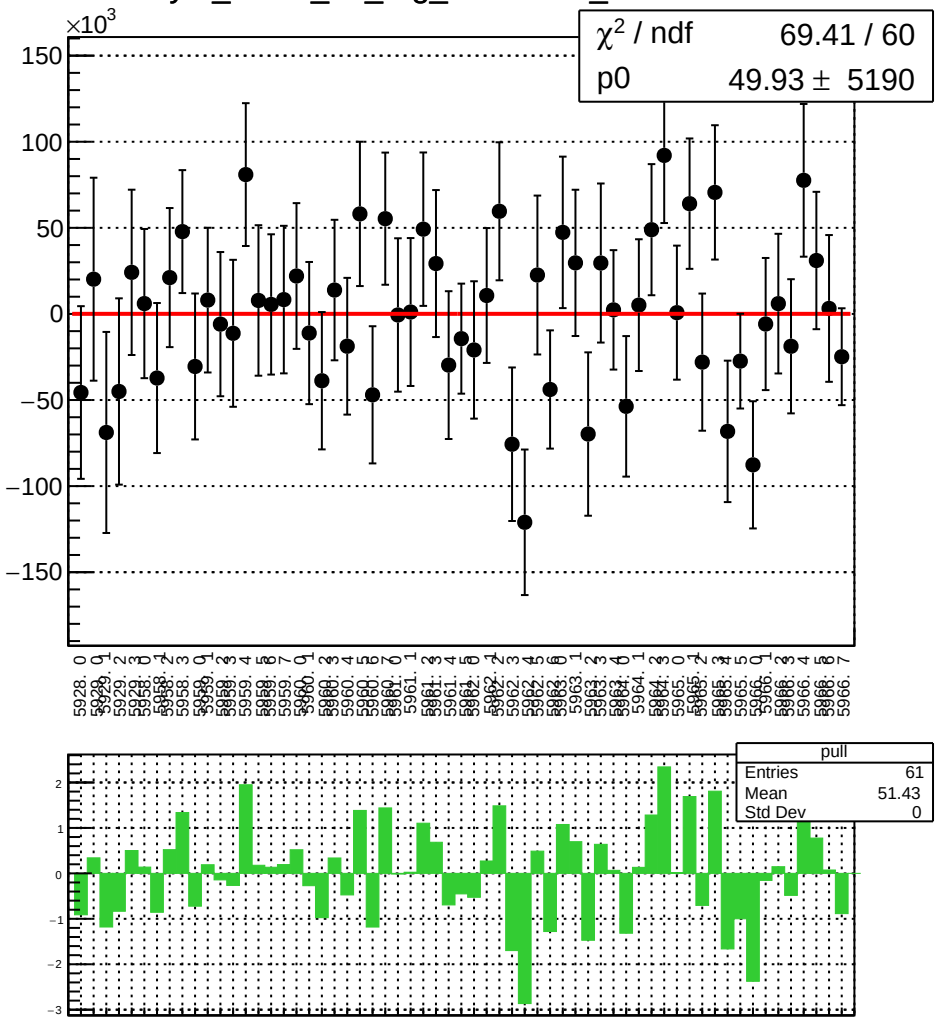

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.264e+04 / 60
p0 176.5 ± 0.1653
550
500
450
400
350
300
250
200
150
100

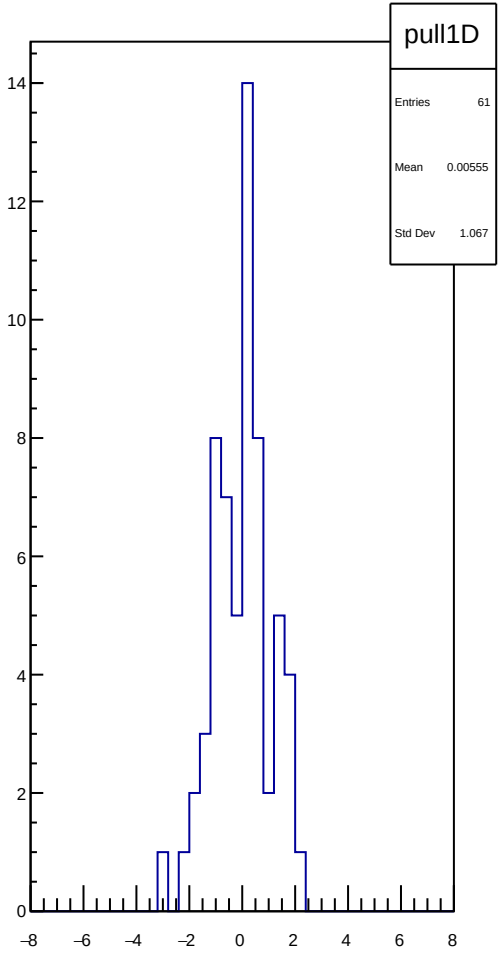

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 88.38 / 60
p0 −1.757e−13 ± 2.471e−13
pull
Entries 61
Mean 114
Std Dev 0
pull1D
Entries 61
Mean −0.08653
Std Dev 1.201

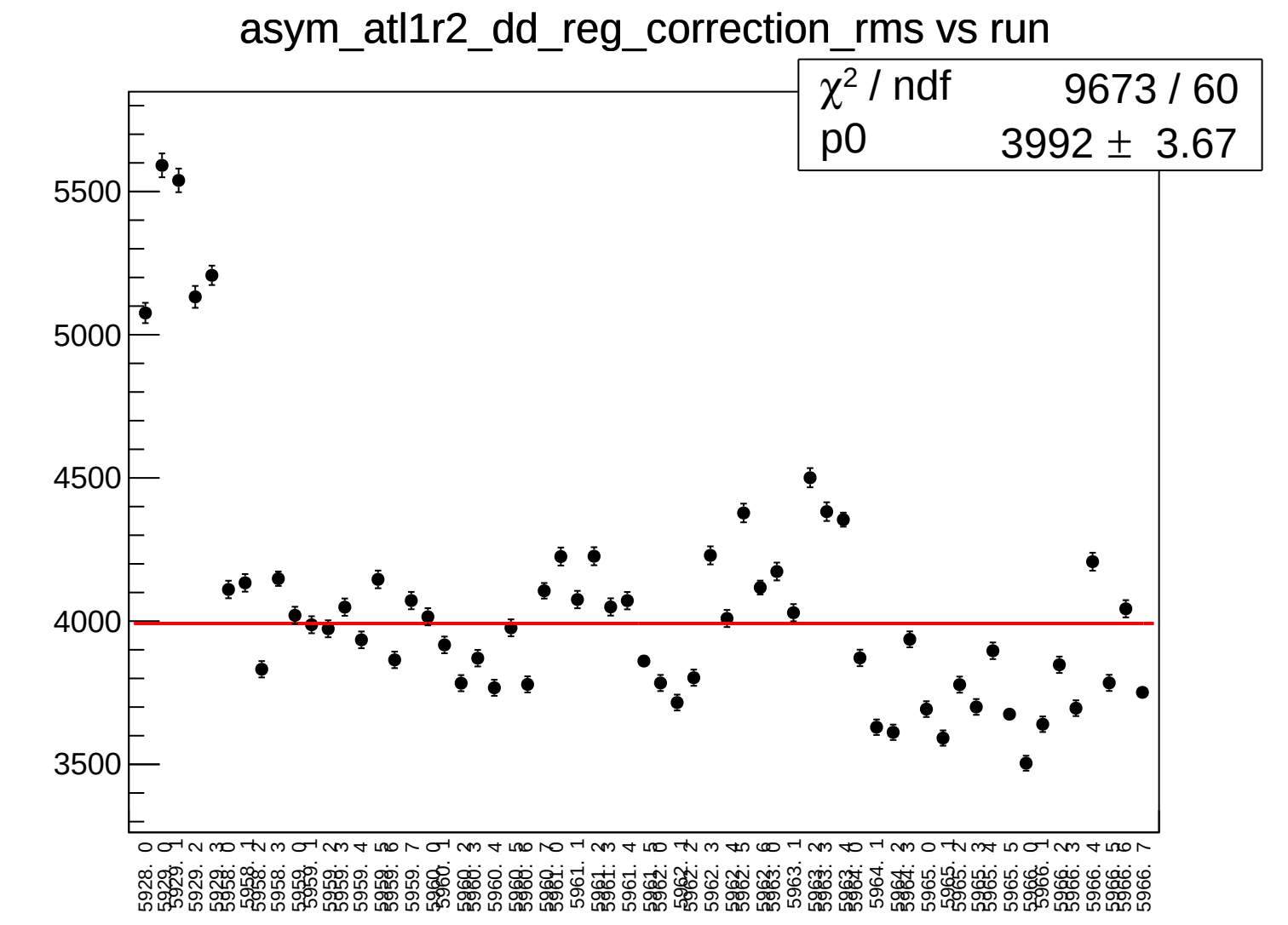

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.286e+05 / 60
p0 1.312e−10 ± 1.747e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

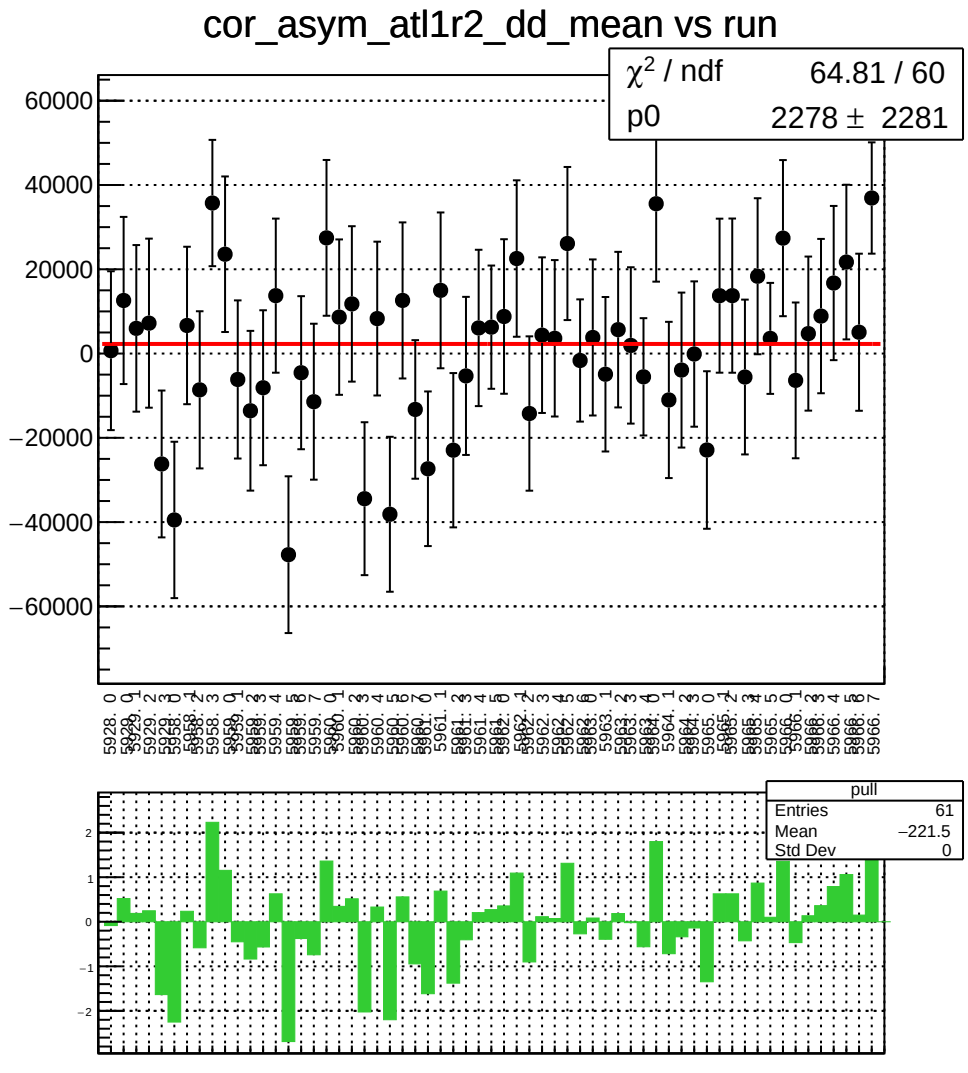

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 64.82 / 60
p0 2277 ± 2281
pull
Entries 61
Mean −221.5
Std Dev 0
pull1D
Entries 61
Mean −0.01919
Std Dev 1.031

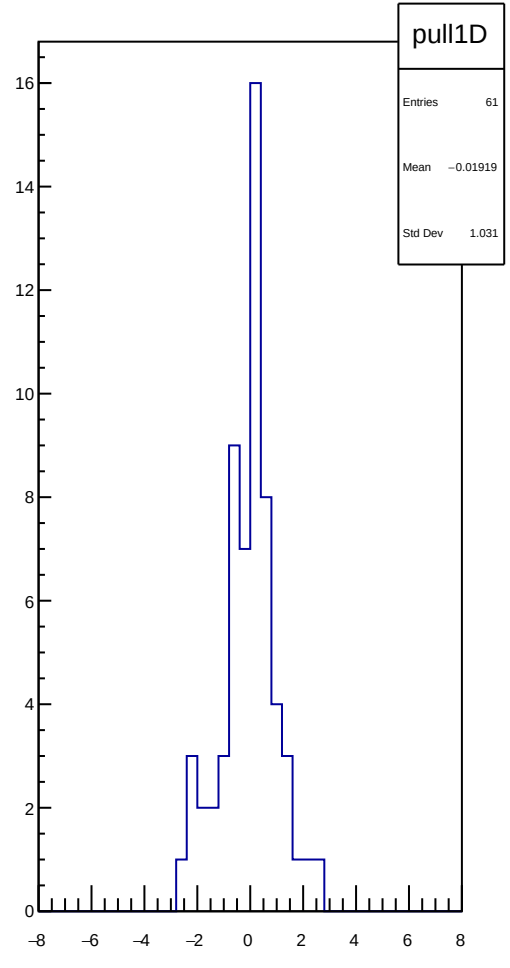

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 590.2 / 60
p0 1761 ± 1.613
1900
1850
1800
1750
1700

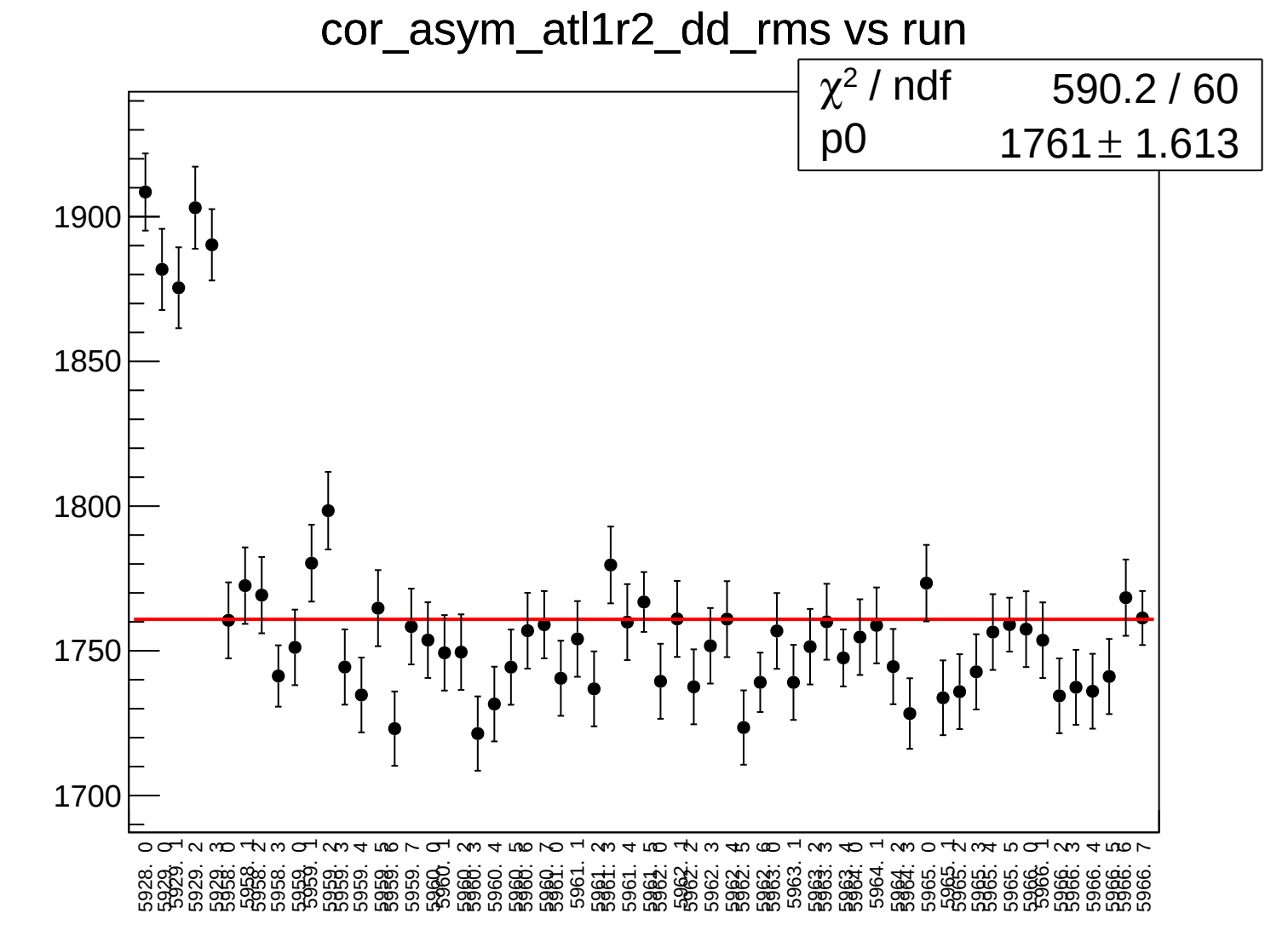

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 69.41 / 60
p0 49.93 ± 5190
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.43
Std Dev 0
2
1
0
−1
−2
−3

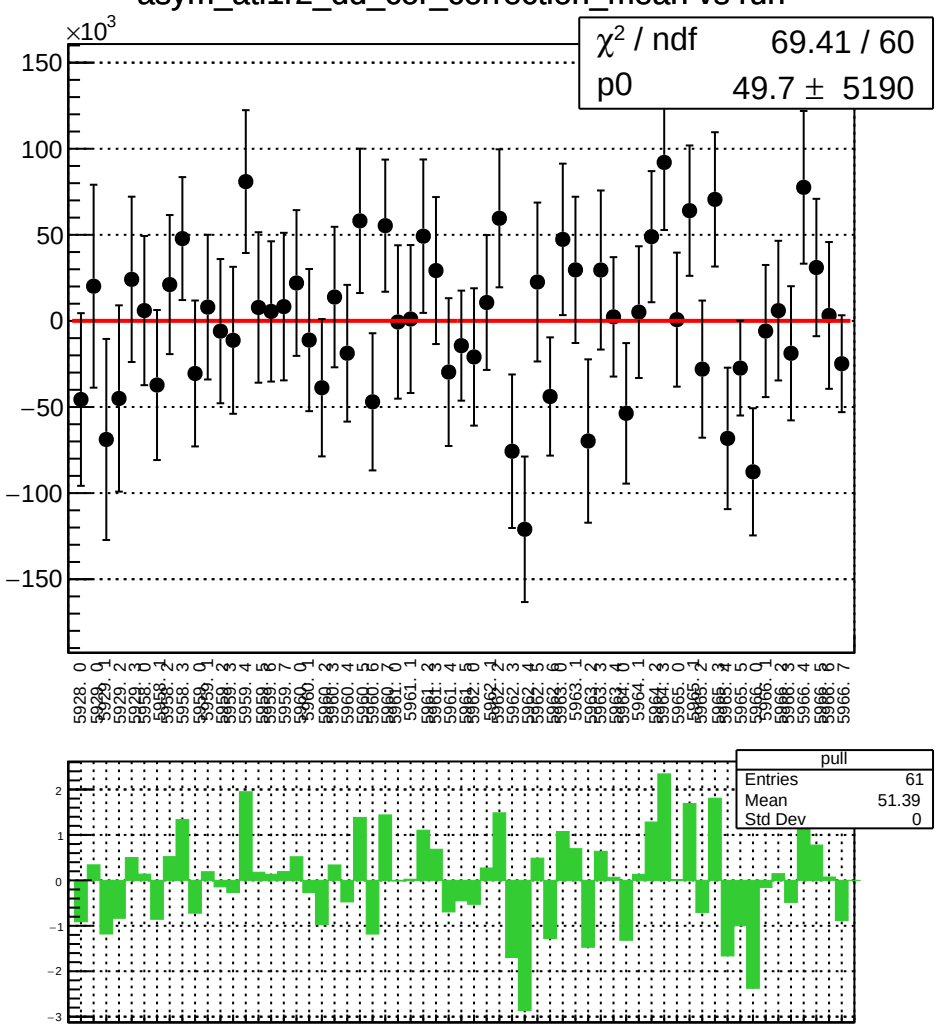

pull1D
Entries 61
Mean 0.00555
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

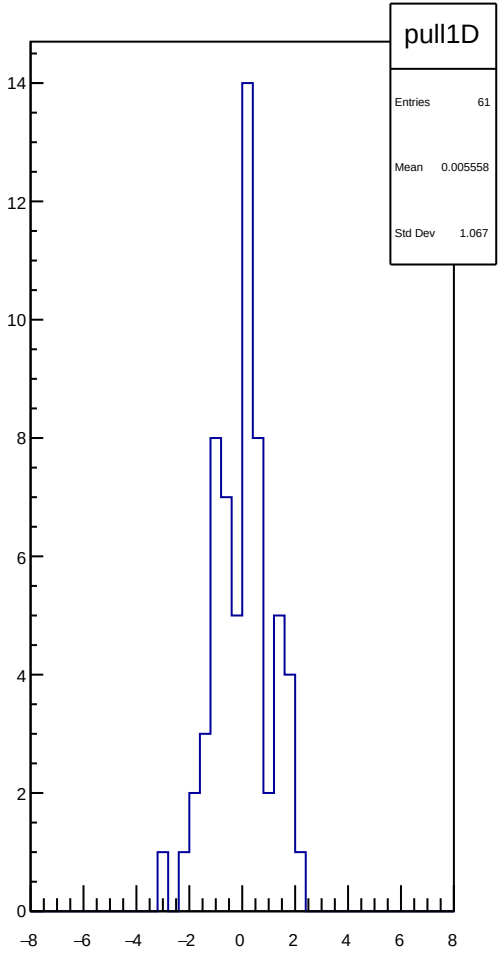

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 9673 / 60
p0 3992 ± 3.67
5500
5000
4500
4000
3500

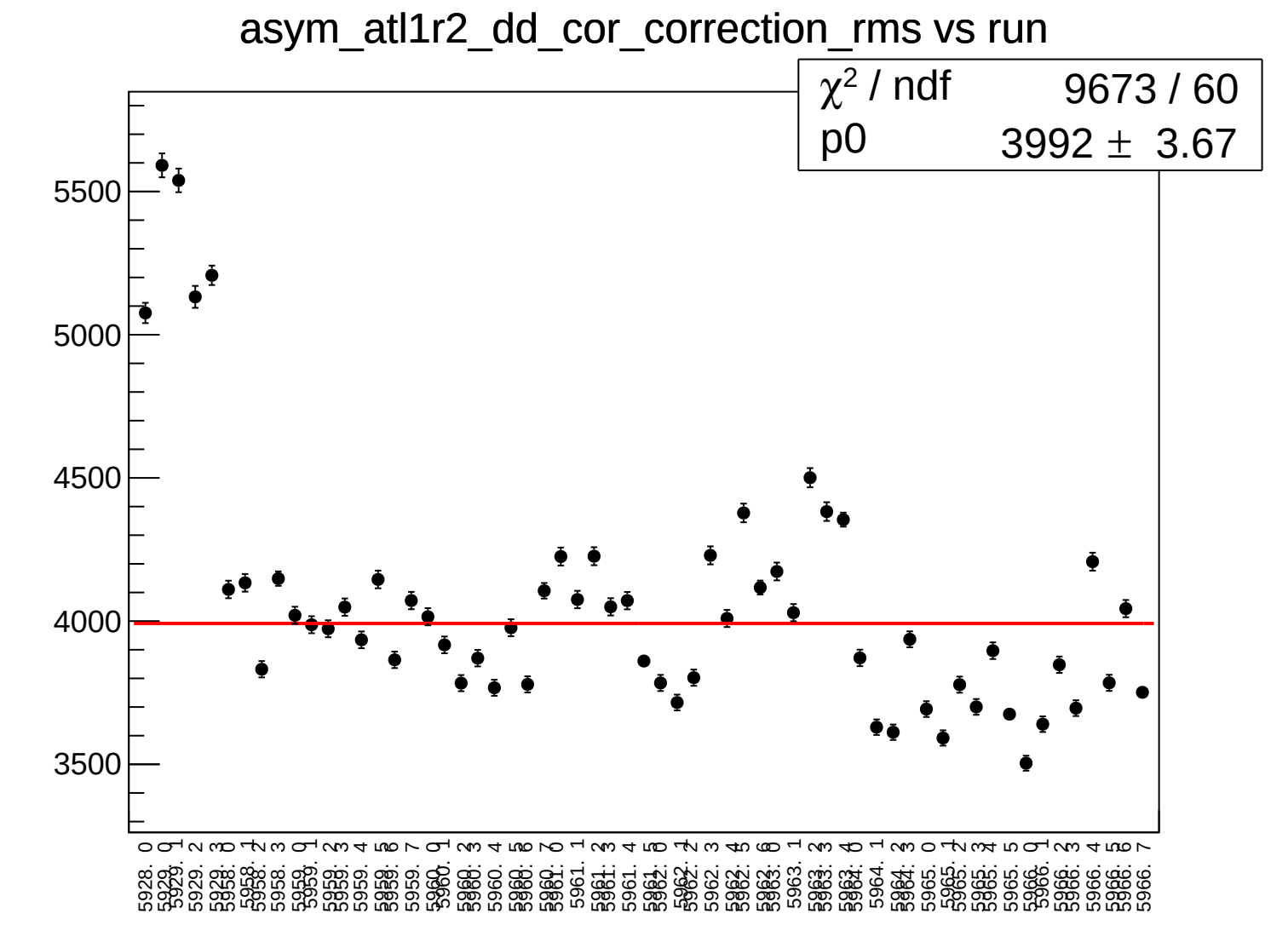

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.81 / 60
p0 2278 ± 2281
pull
Entries 61
Mean −221.5
Std Dev 0

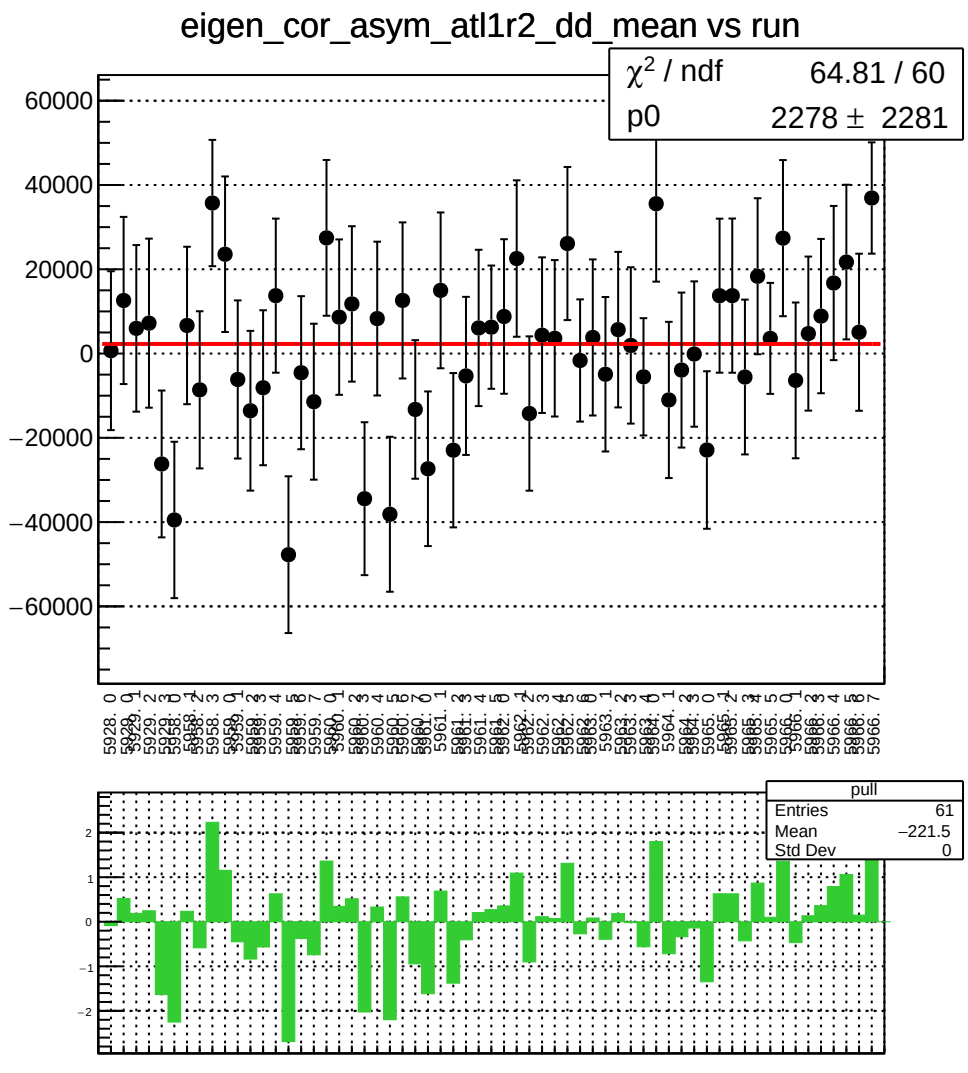

pull1D
Entries 61
Mean −0.01919
Std Dev 1.031

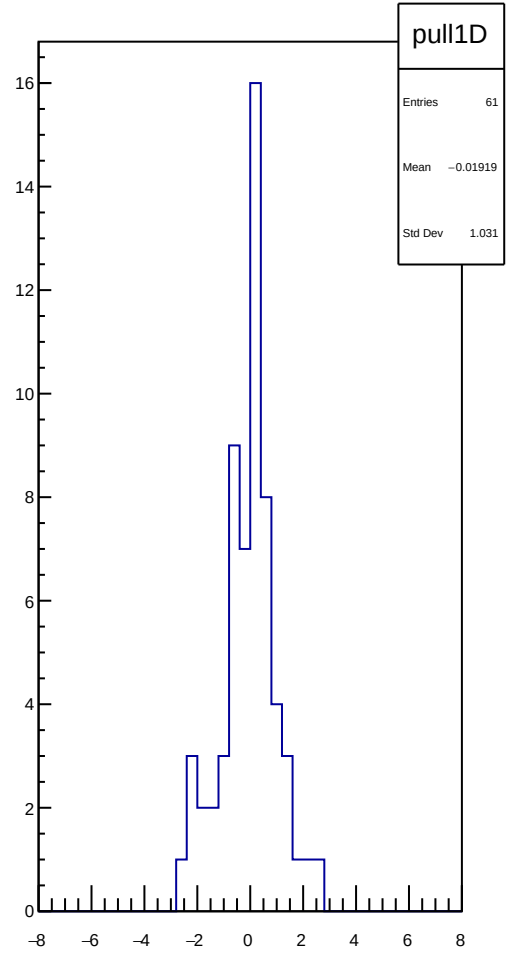

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 590.2 / 60
p0 1761 ± 1.613
1900
1850
1800
1750
1700

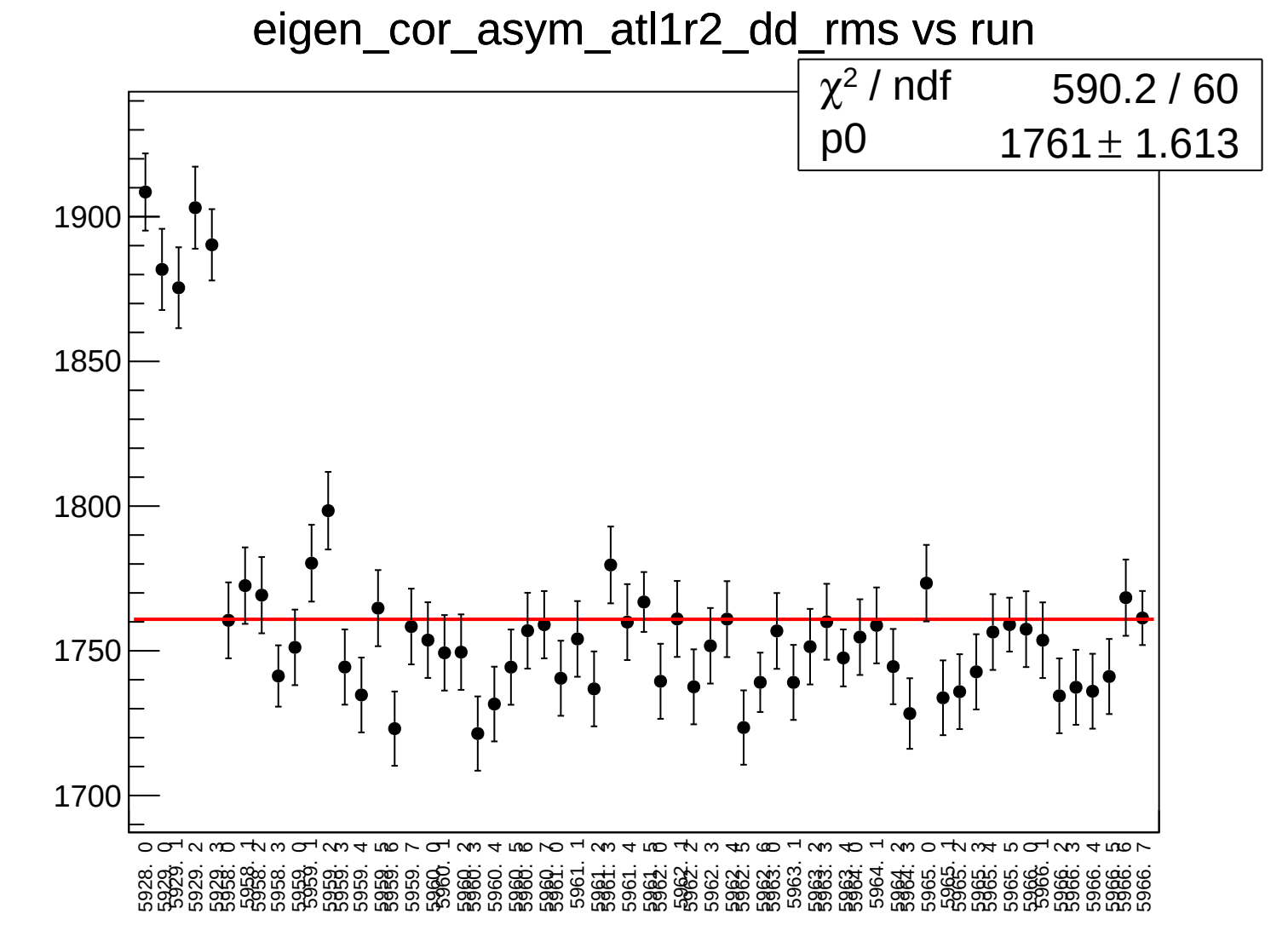

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 69.41 / 60
p0 49.7 ± 5190
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.39
Std Dev 0
2
1
0
−1
−2
−3

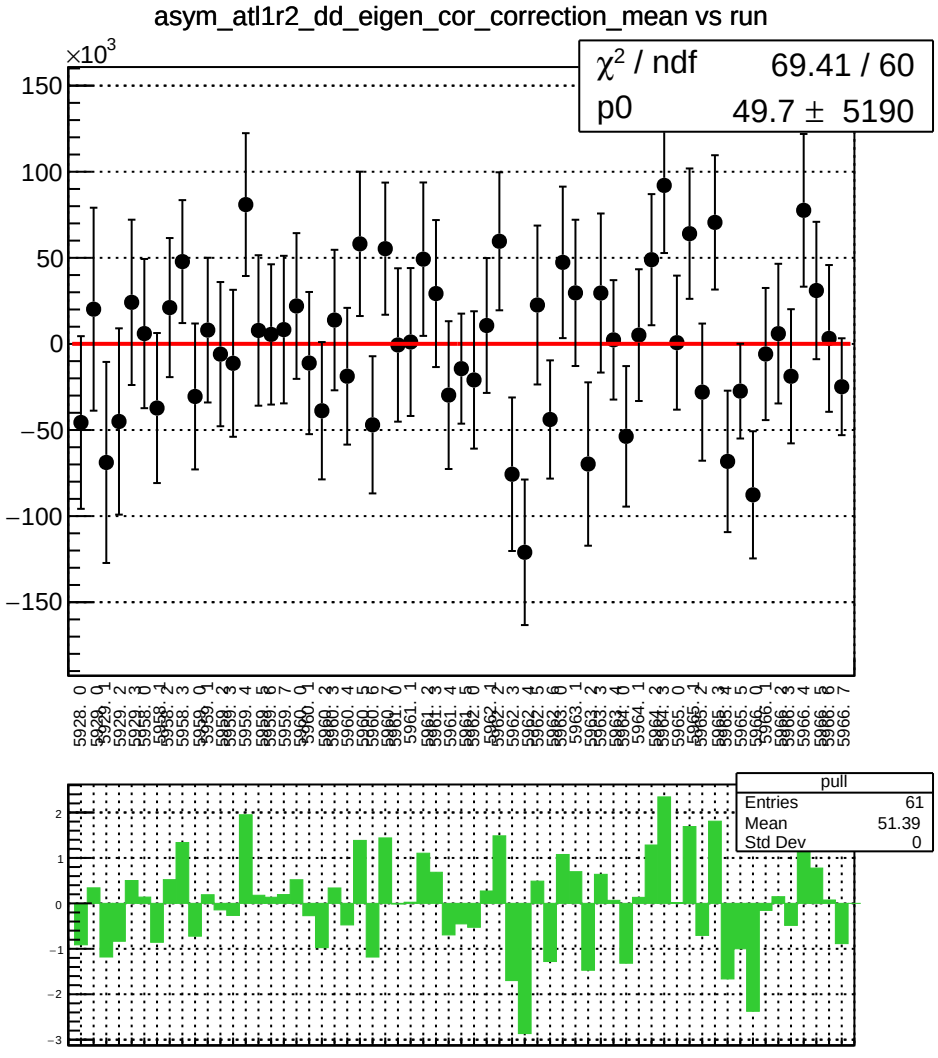

pull1D
Entries 61
Mean 0.005558
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

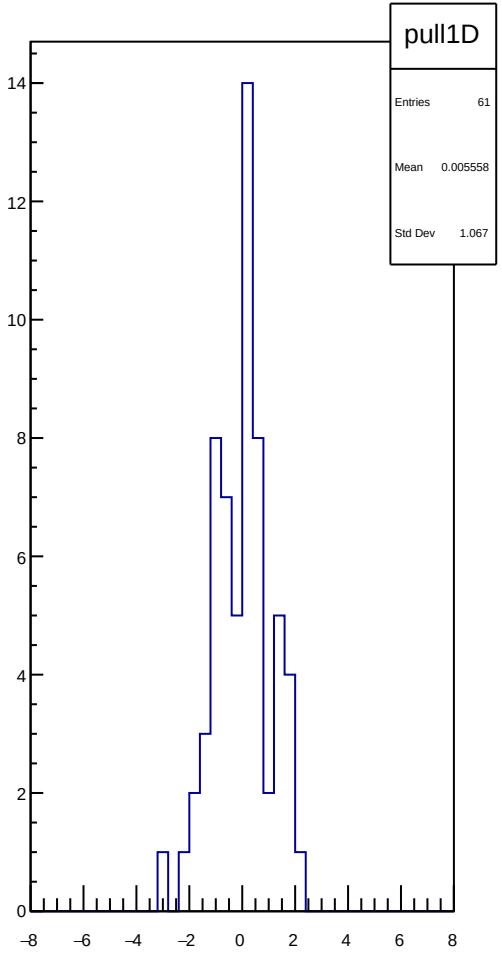

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 9673 / 60
p0 3992 ± 3.67
5500
5000
4500
4000
3500

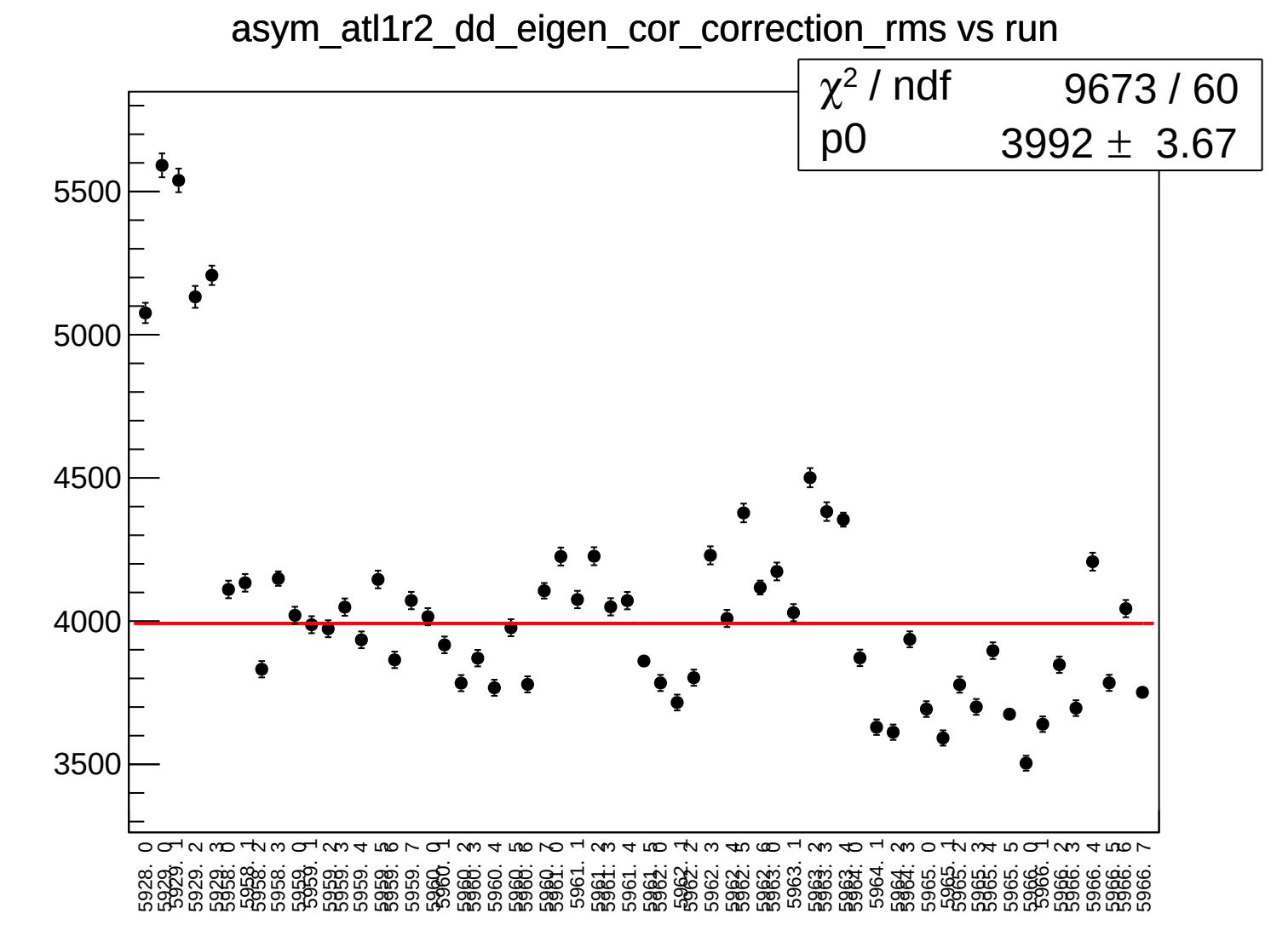

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 64.81 / 60
p0 2278 ± 2281
pull
Entries 61
Mean −221.5
Std Dev 0

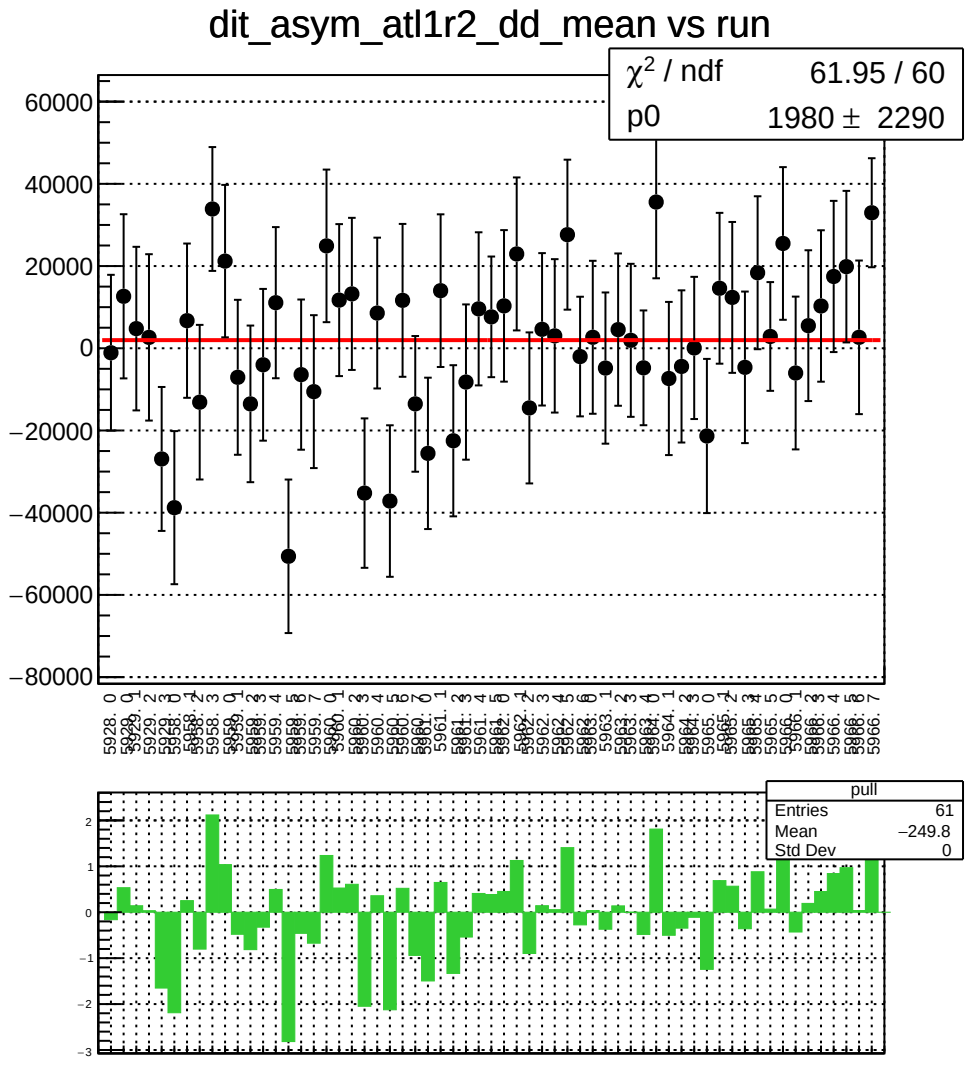

pull1D
Entries 61
Mean −0.01919
Std Dev 1.031

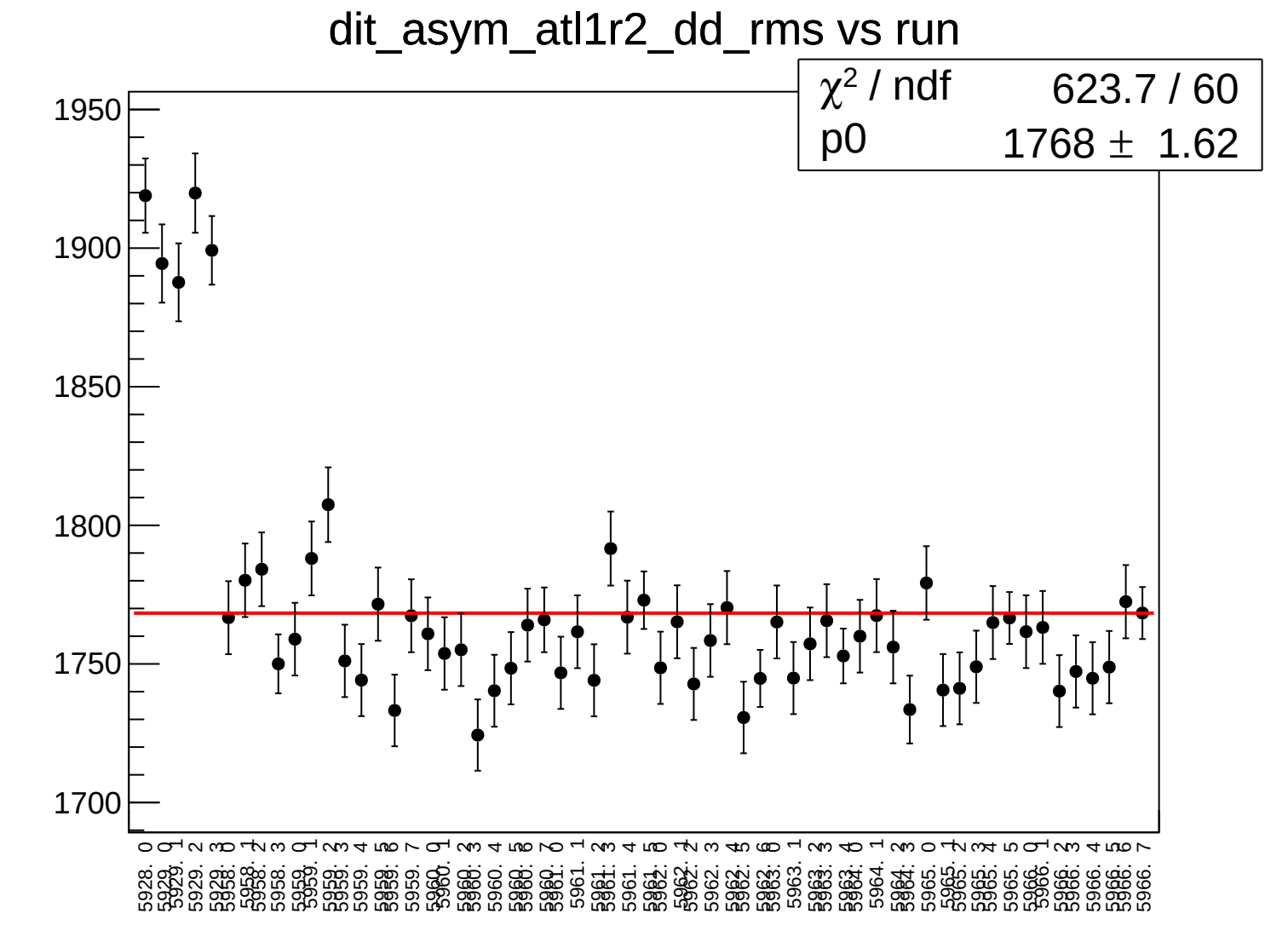

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 590.2 / 60
p0 1761 ± 1.613
1900
1850
1800
1750
1700

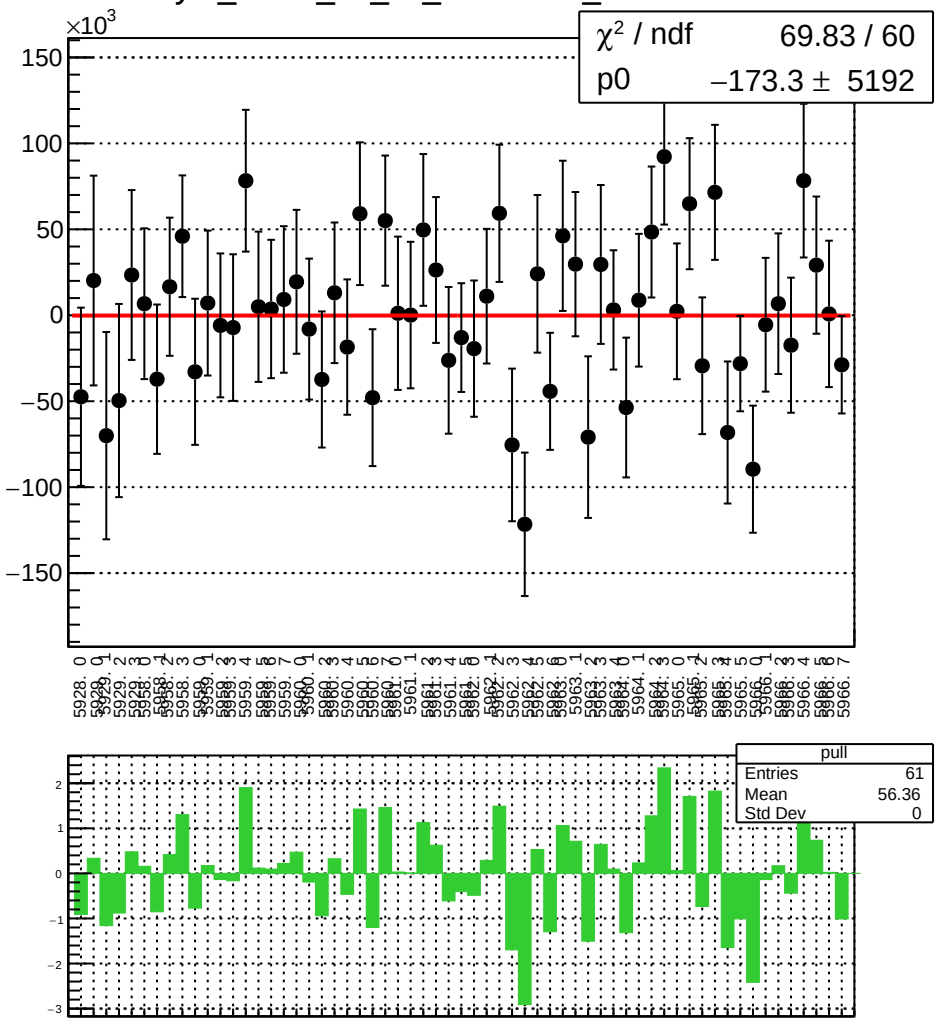

asym_atl1r2_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.41 / 60
p0 49.7 ± 5190
pull
Entries 61
Mean 51.39
Std Dev 0

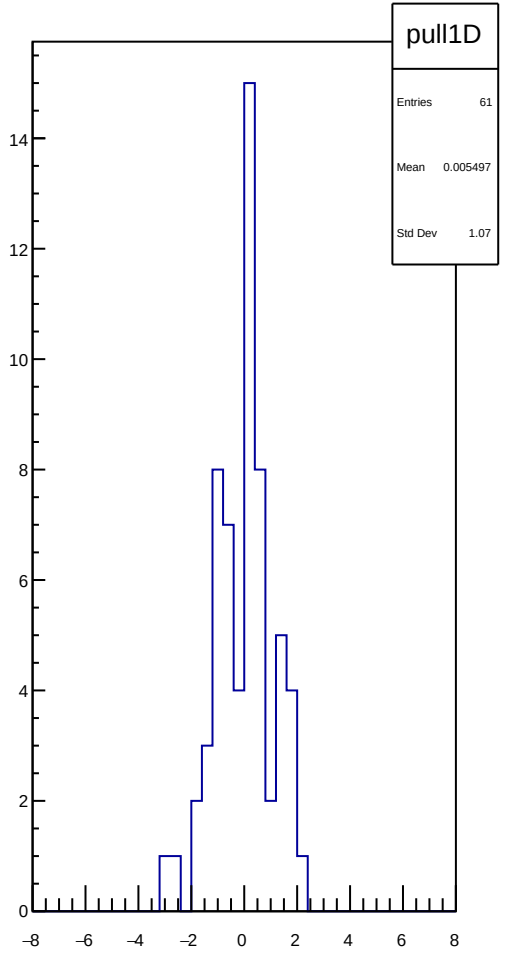

pull1D
Entries 61
Mean 0.005558
Std Dev 1.067

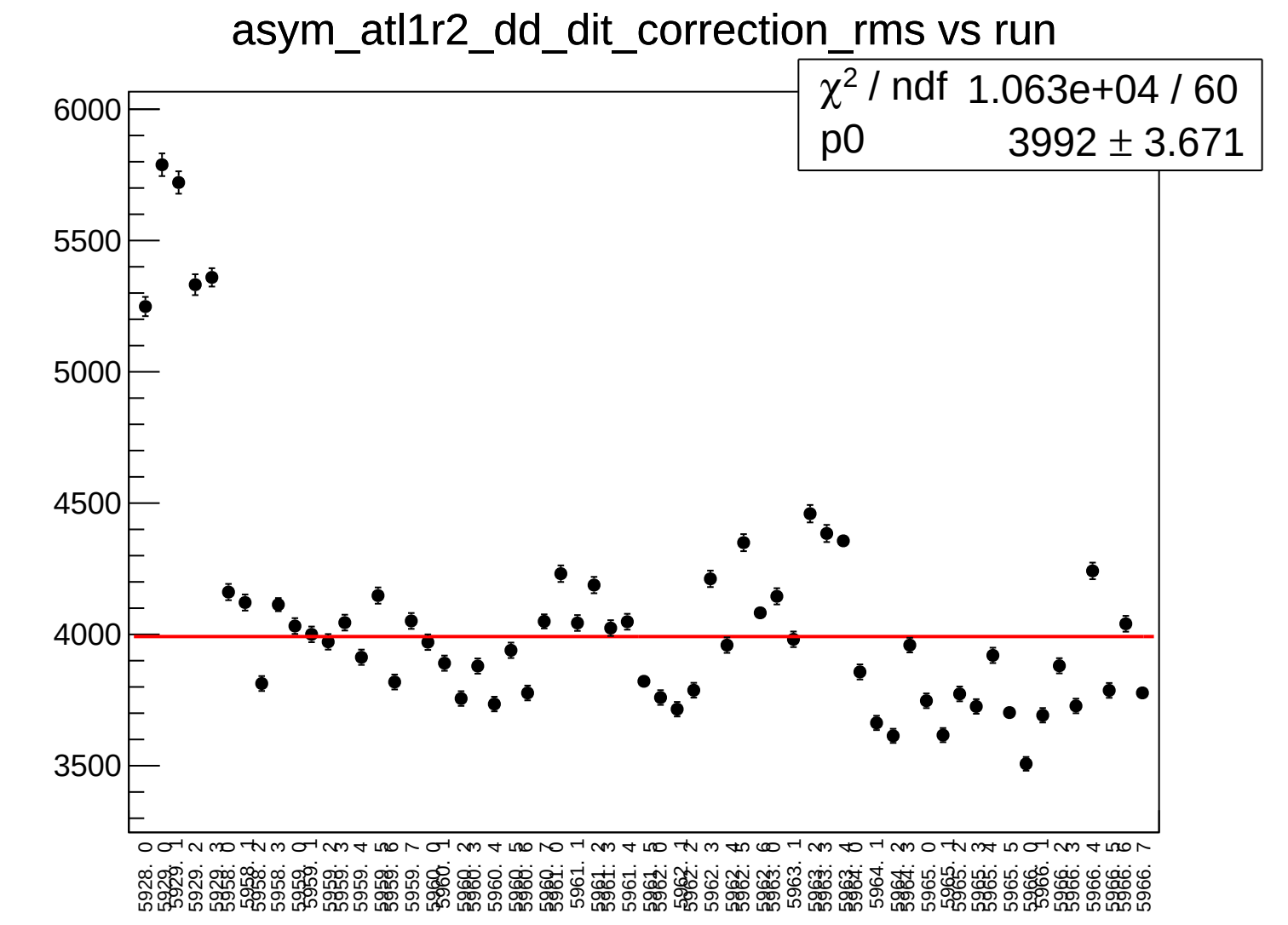

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 9673 / 60
p0 3992 ± 3.67
5500
5000
4500
4000
3500

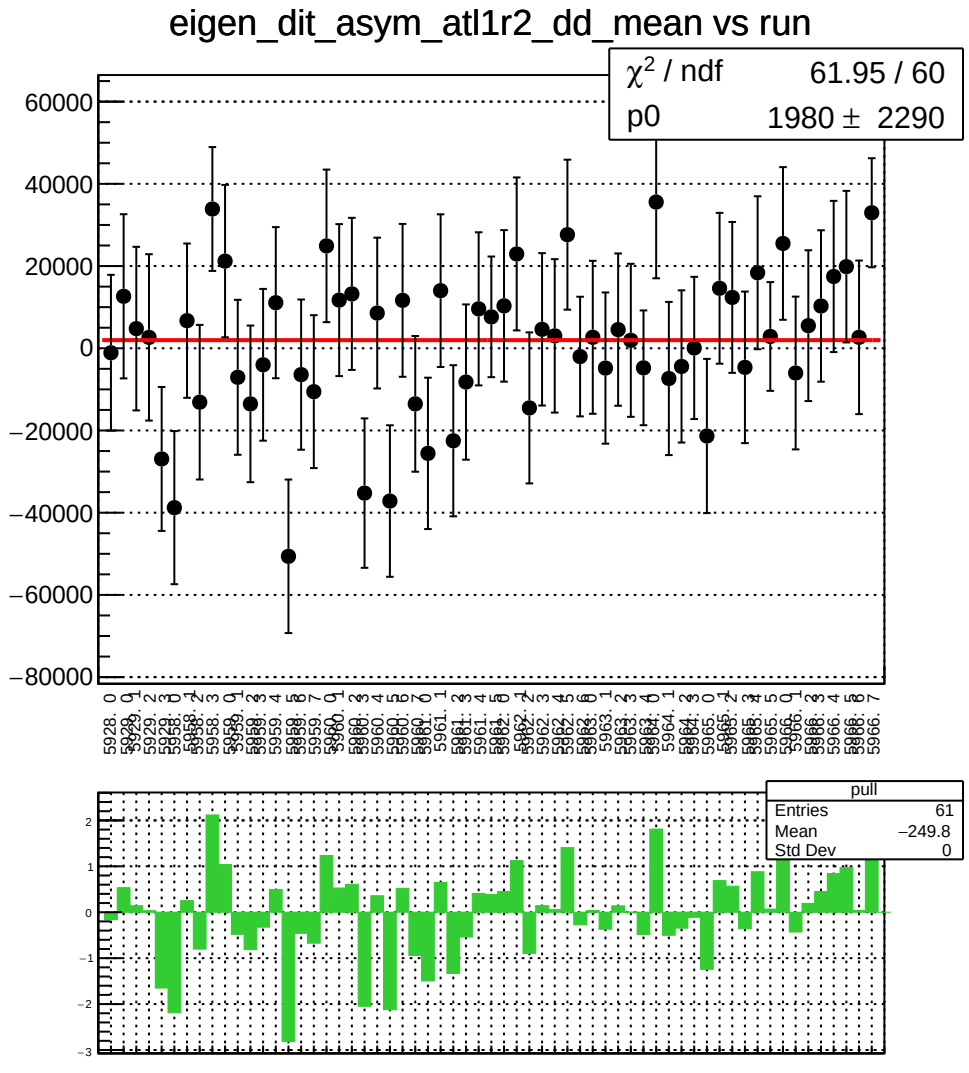

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 61.95 / 60
p0 1980 ± 2290
pull
Entries 61
Mean −249.8
Std Dev 0
pull1D
Entries 61
Mean −0.01798
Std Dev 1.008

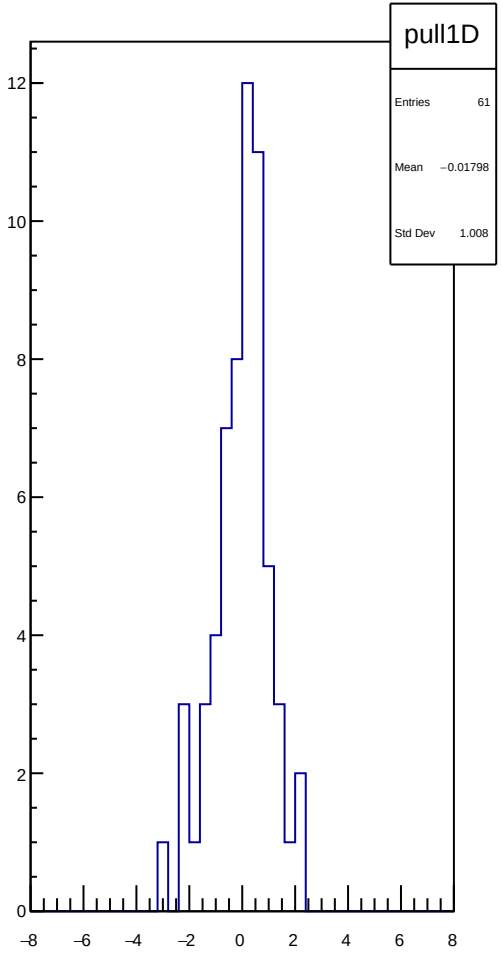

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 623.7 / 60
p0 1768 ± 1.62
1950
1900
1850
1800
1750
1700

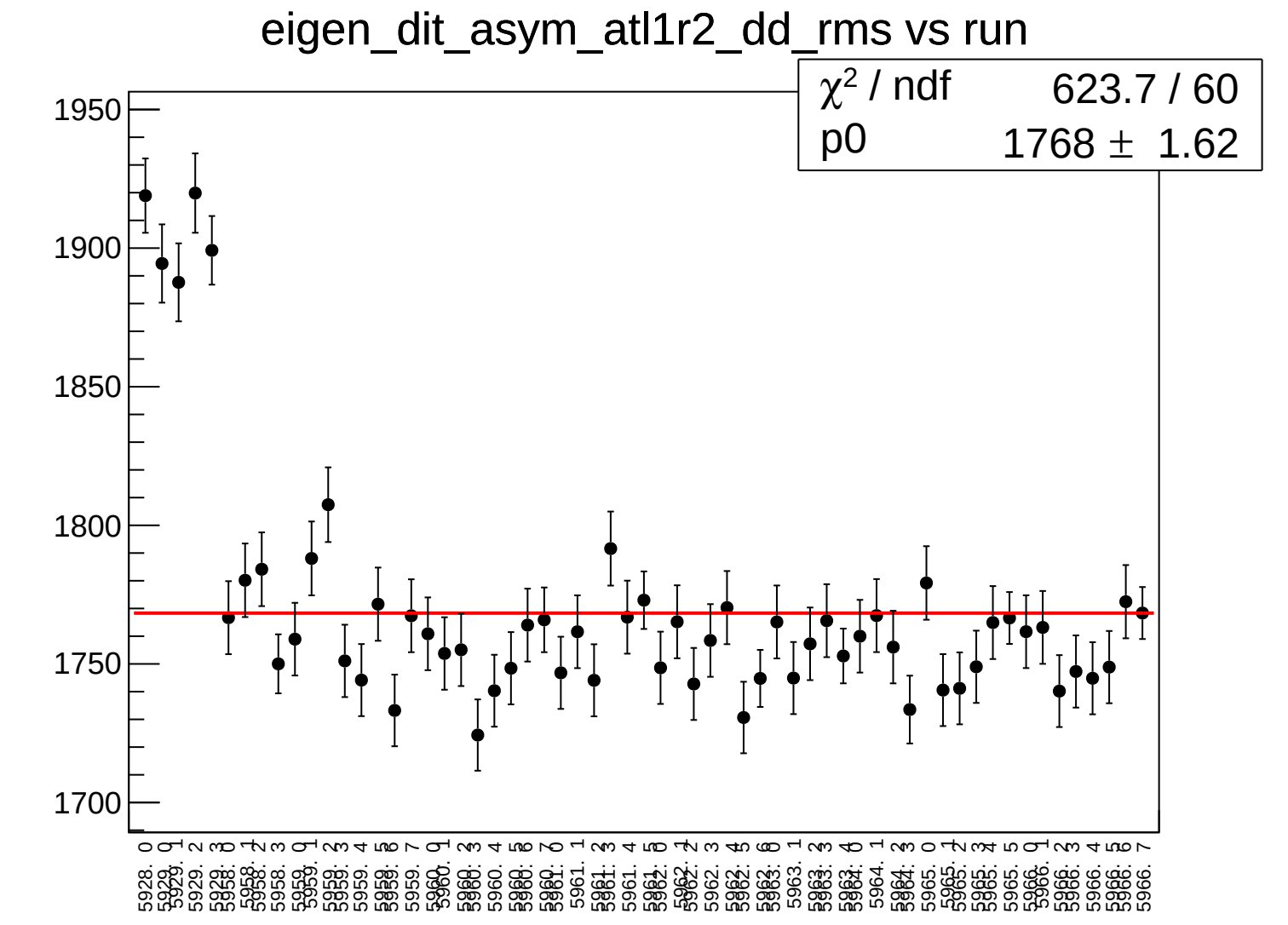

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 69.83 / 60
p0 −173.3 ± 5192
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 56.36
Std Dev 0
2
1
0
−1
−2
−3

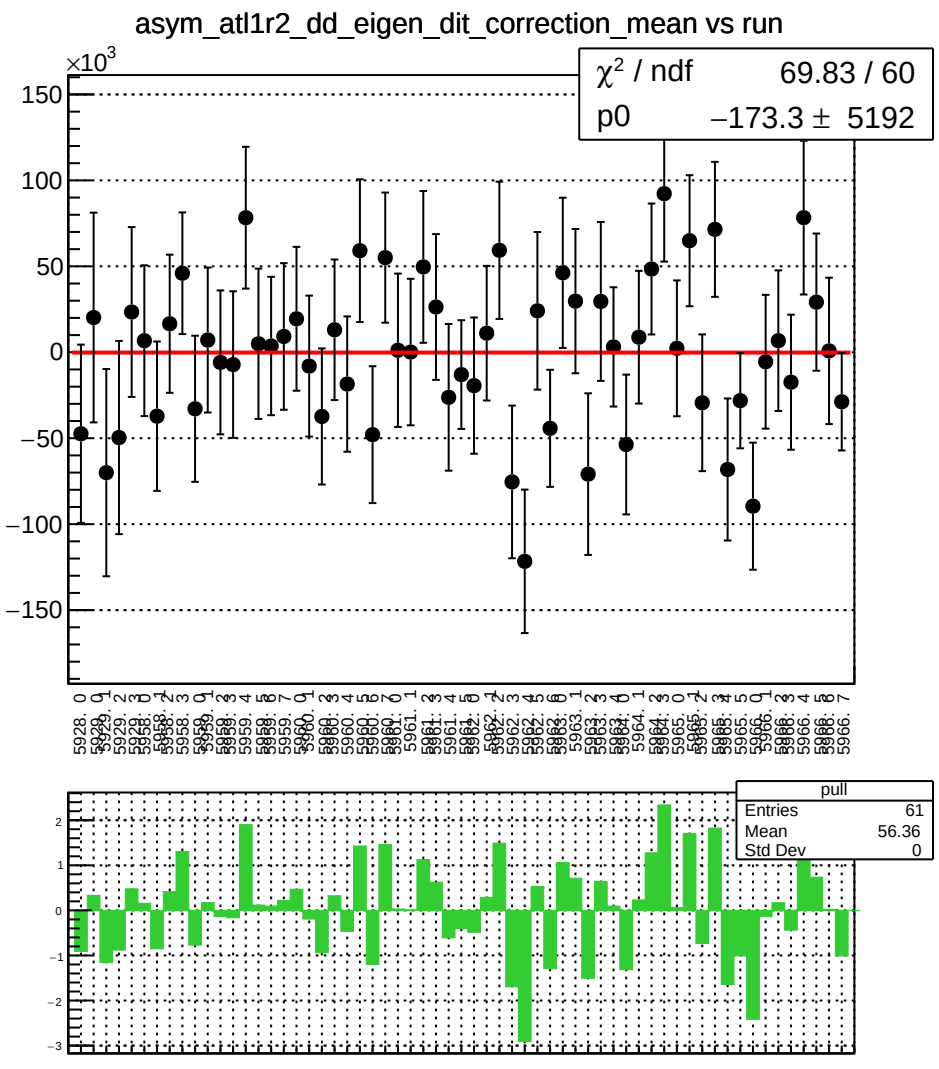

pull1D
Entries 61
Mean 0.005497
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

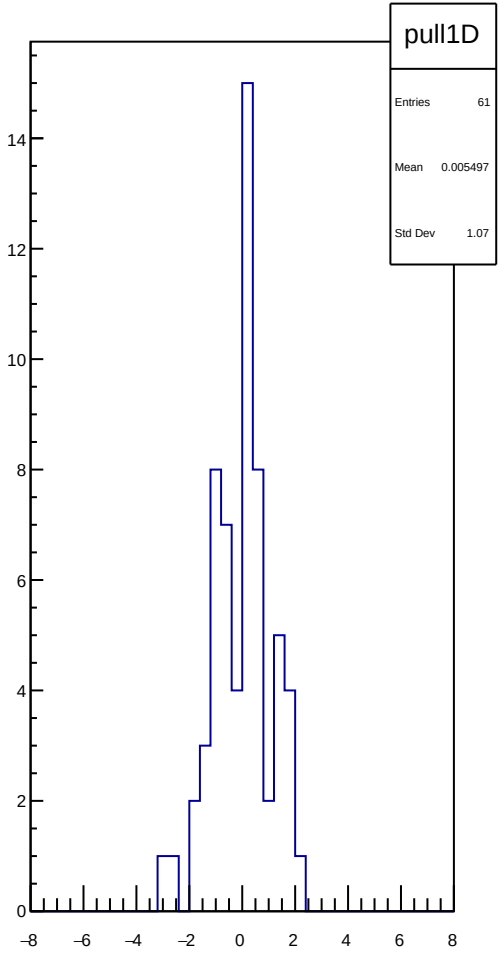

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 1.063e+04 / 60
p0 3992 ± 3.671
6000
5500
5000
4500
4000
3500

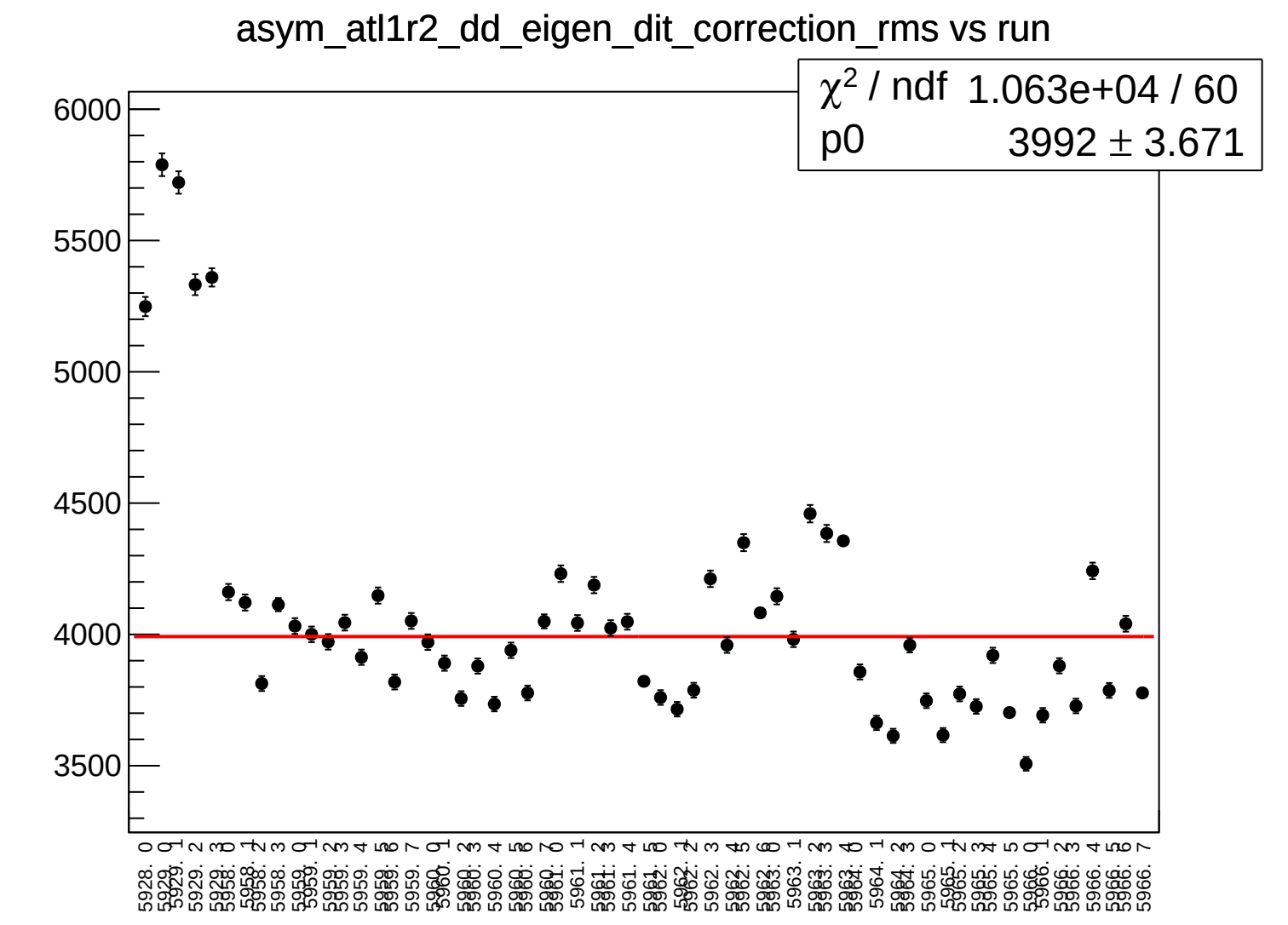

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 61.95 / 60
p0 1980 ± 2290
pull
Entries 61
Mean −249.8
Std Dev 0

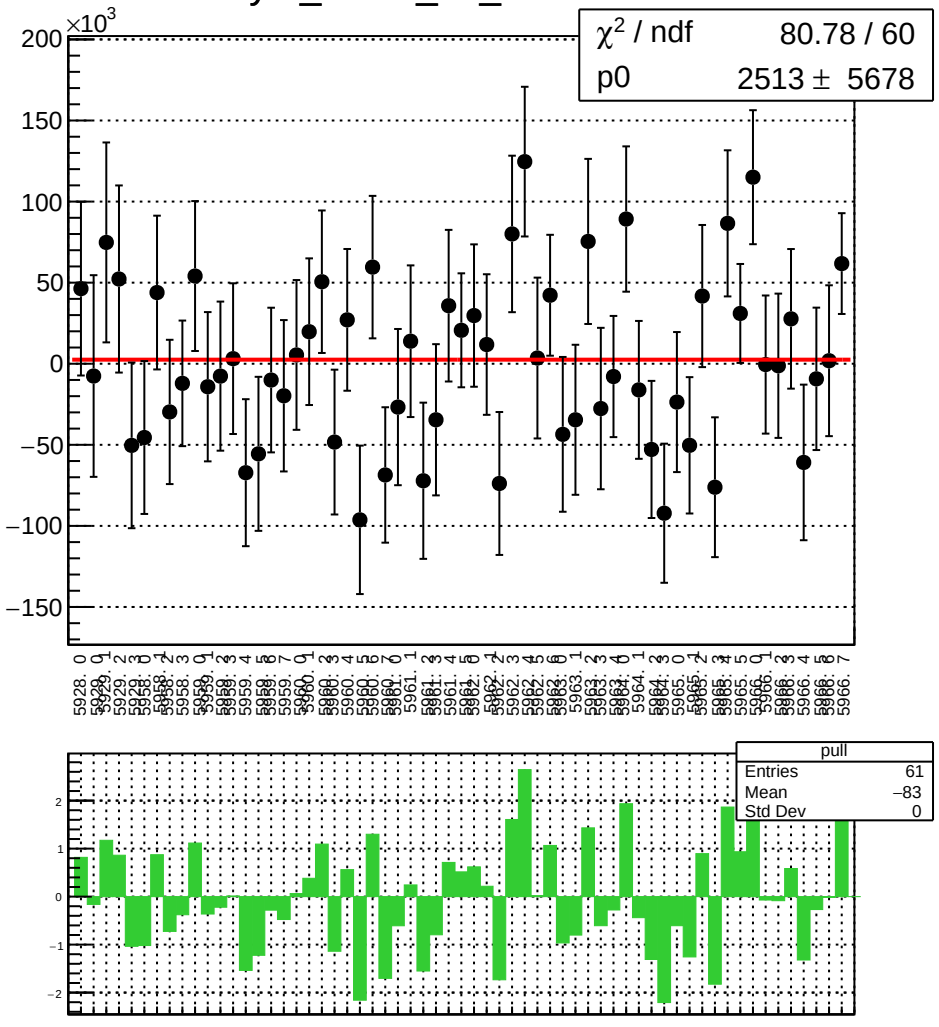

pull1D
Entries 61
Mean −0.01798
Std Dev 1.008

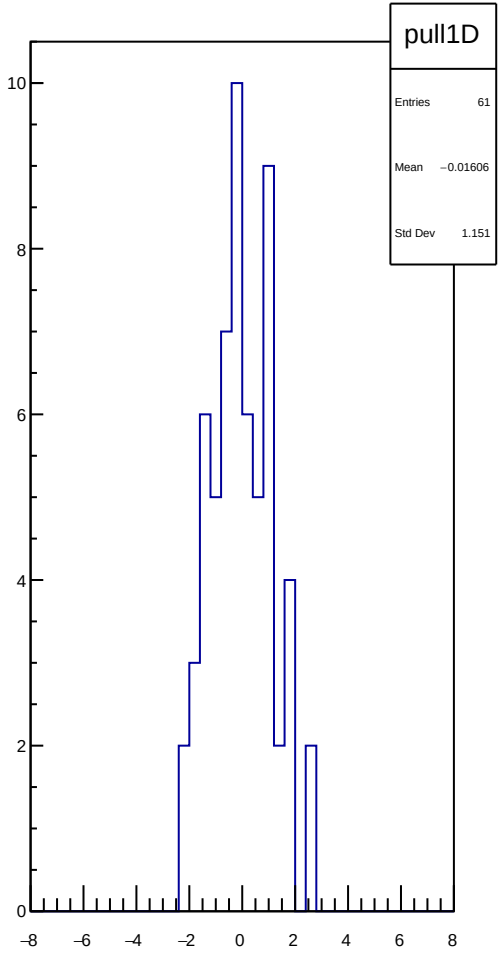

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 623.7 / 60
p0 1768 ± 1.62
1950
1900
1850
1800
1750
1700

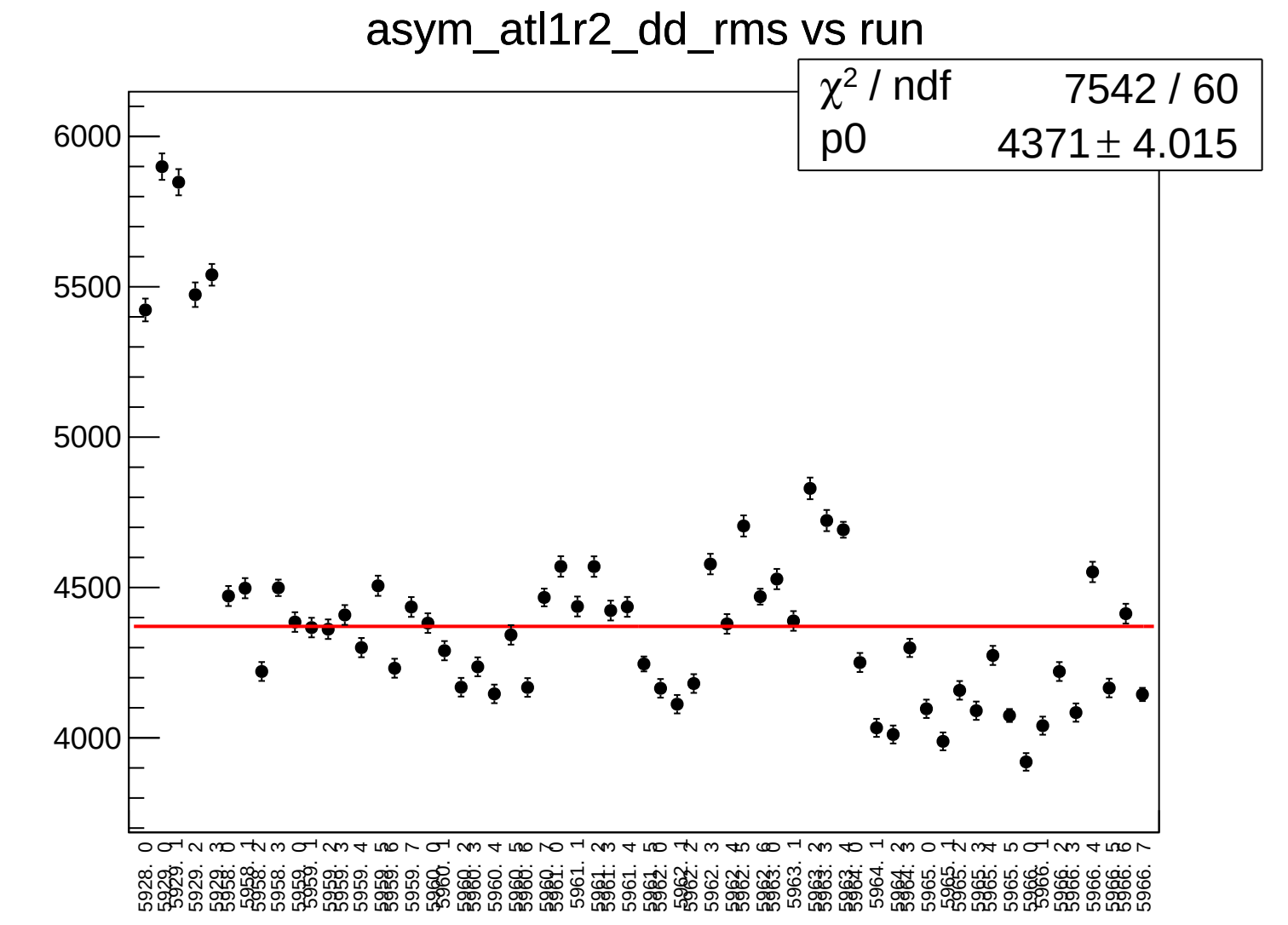

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 69.83 / 60
p0 −173.3 ± 5192
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 56.36
Std Dev 0
2
1
0
−1
−2
−3

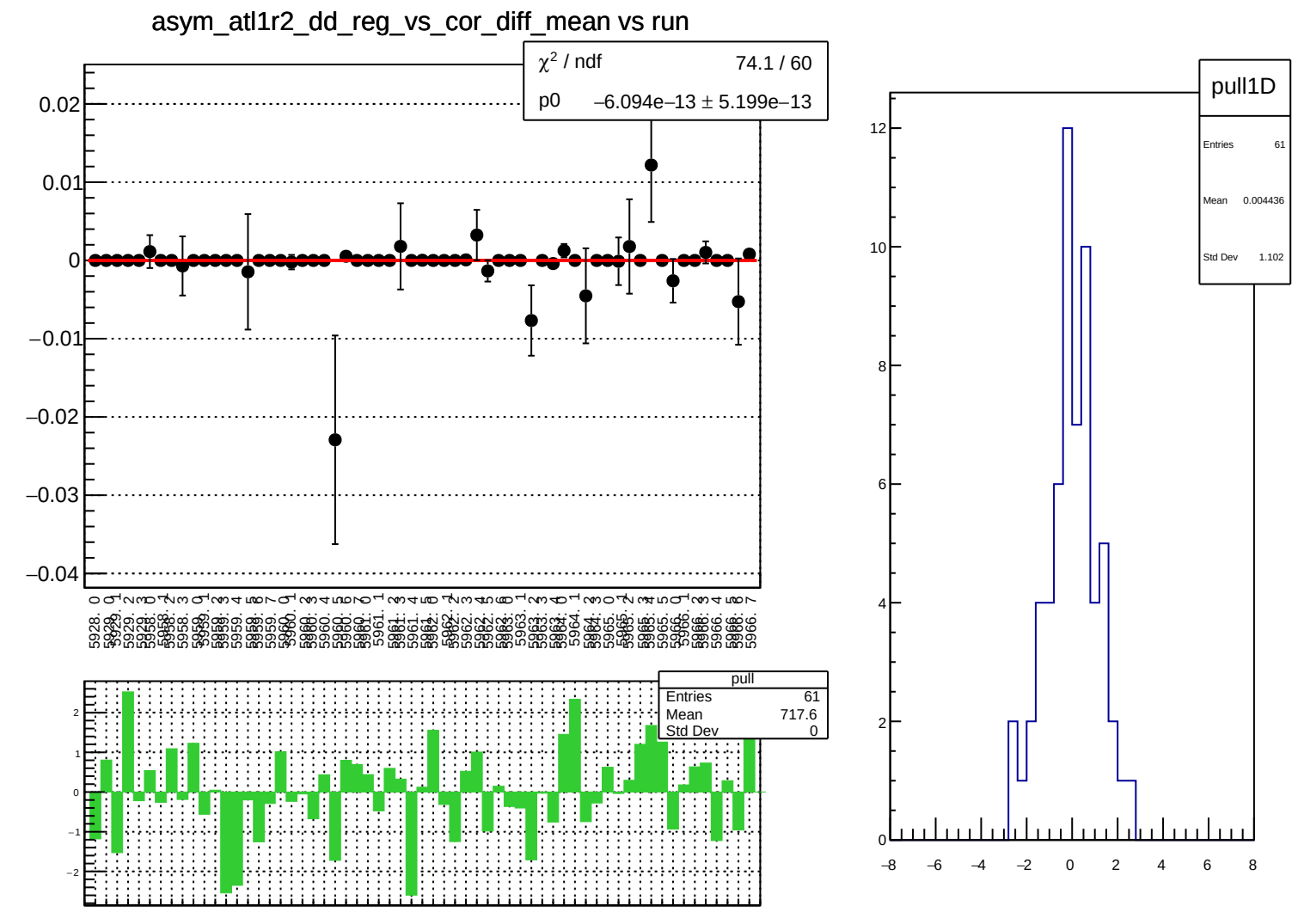

pull1D
Entries 61
Mean 0.005497
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

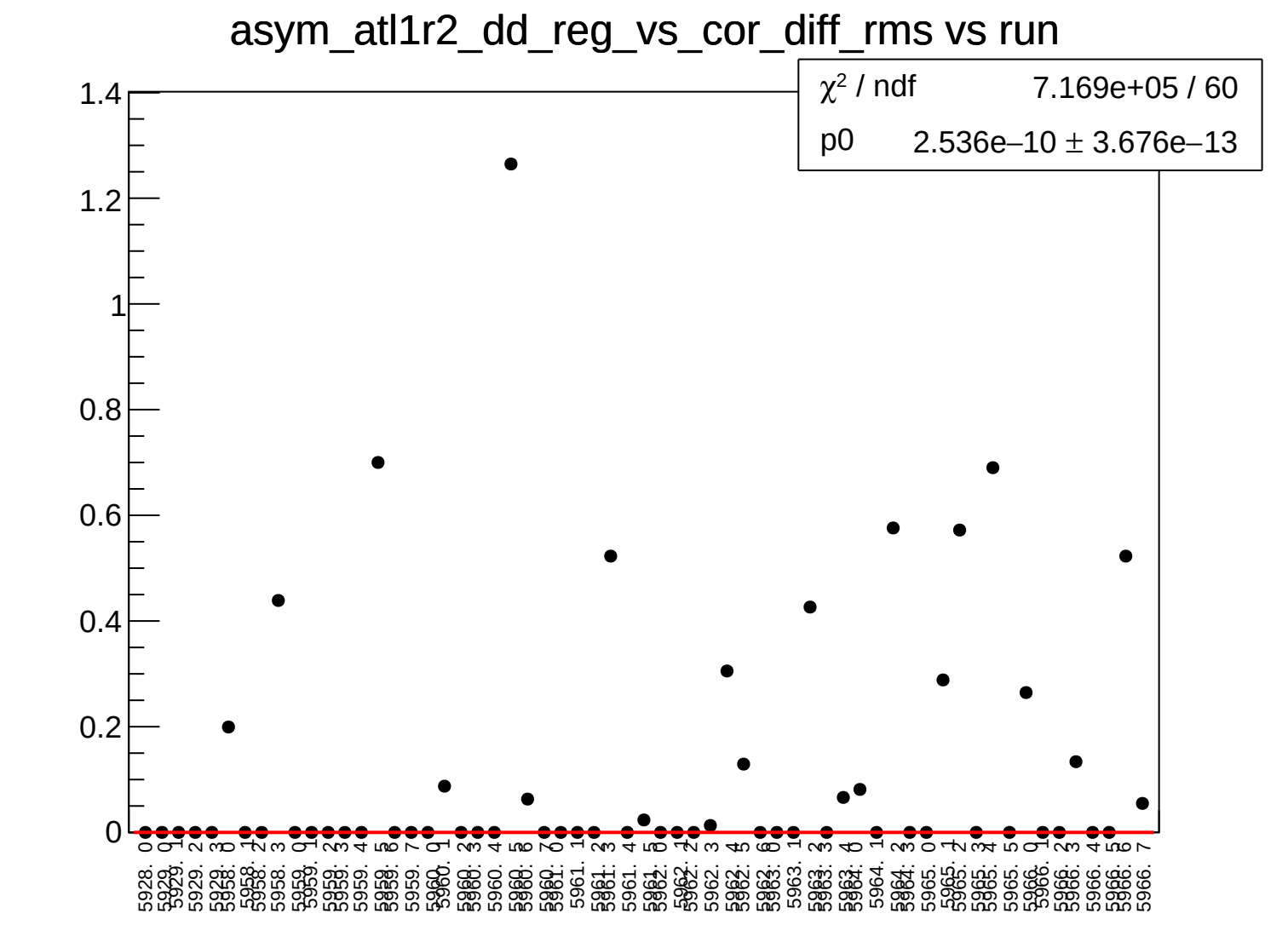

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.063e+04 / 60
p0 3992 ± 3.671
6000
5500
5000
4500
4000
3500

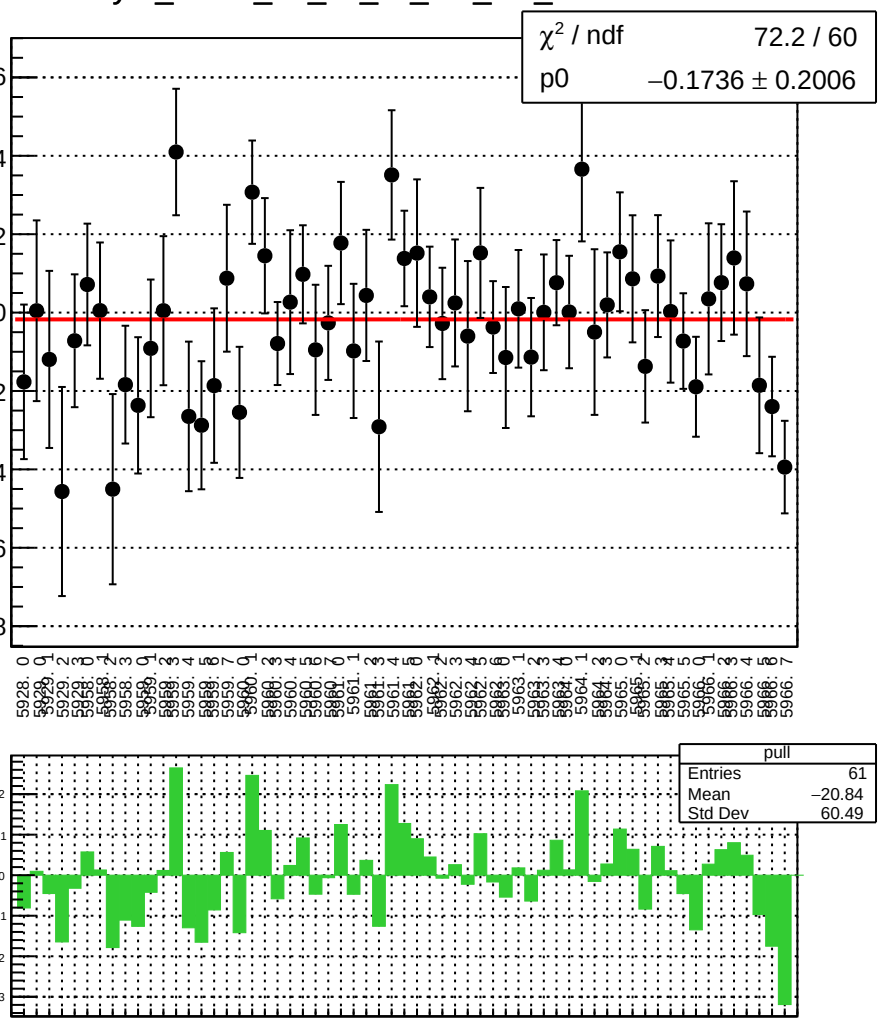

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 80.78 / 60
p0 2513 ± 5678
pull
Entries 61
Mean −83
Std Dev 0

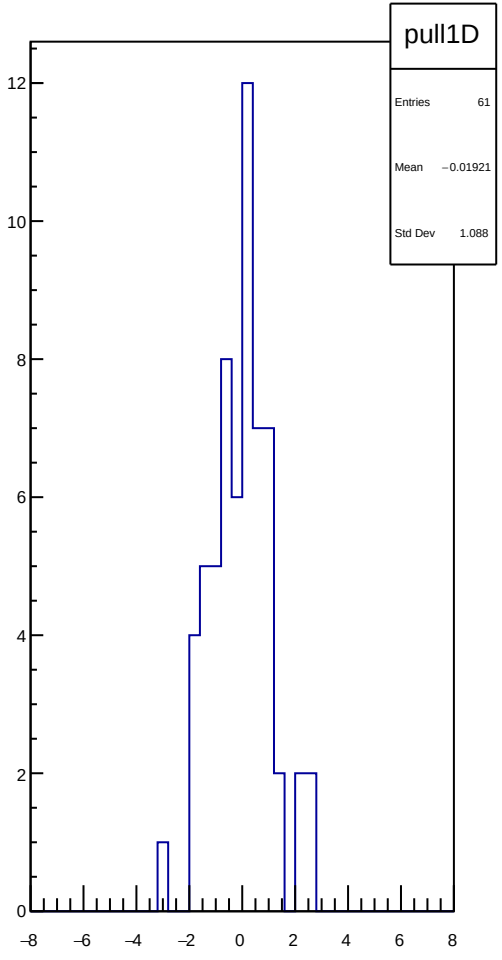

pull1D
Entries 61
Mean −0.01606
Std Dev 1.151

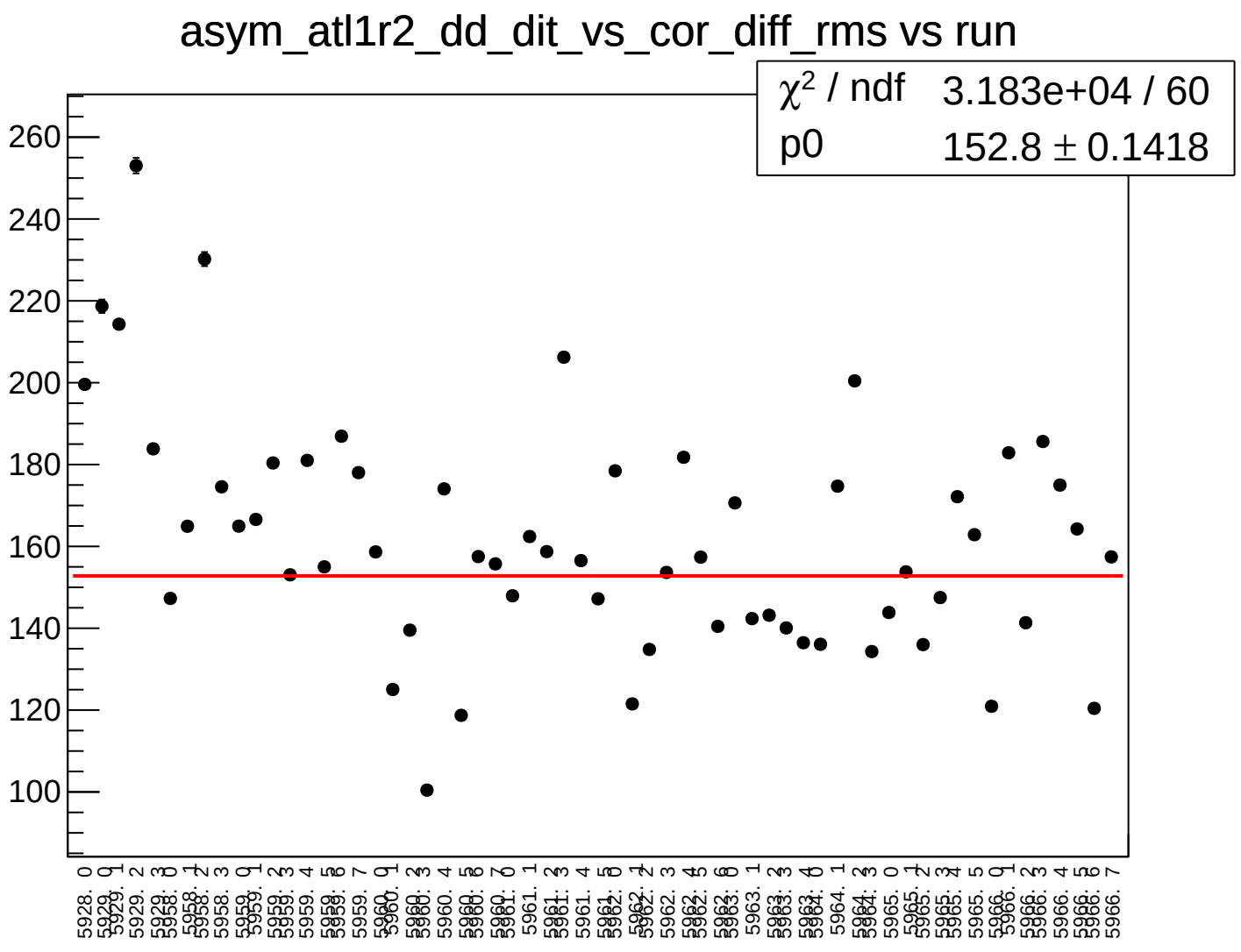

asym_atl1r2_dd_rms vs run
χ² / ndf 7542 / 60
p0 4371 ± 4.015
6000
5500
5000
4500
4000

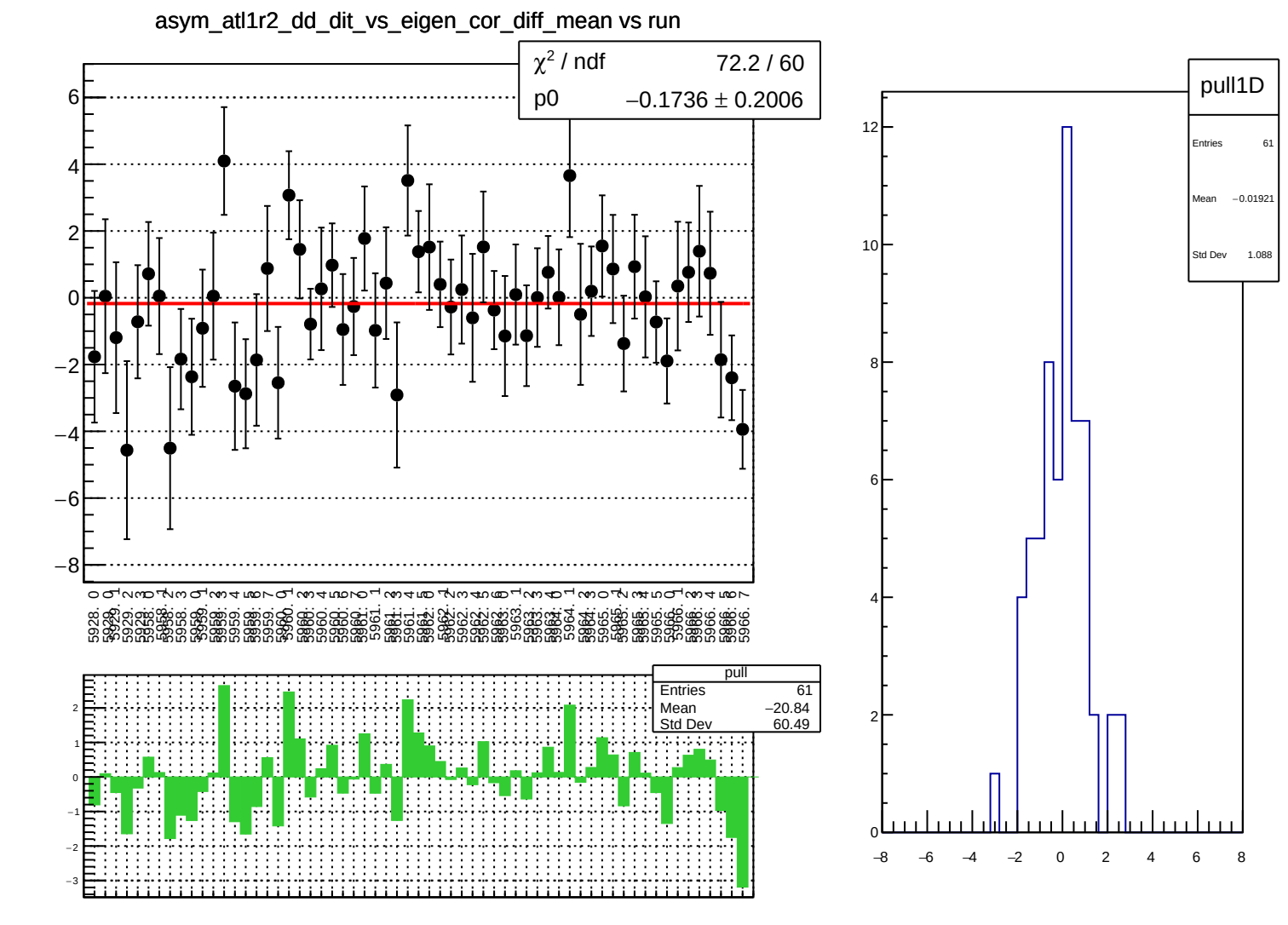

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.1 / 60
p0 −6.094e−13 ± 5.199e−13
pull
Entries 61
Mean 717.6
Std Dev 0
pull1D
Entries 61
Mean 0.004436
Std Dev 1.102

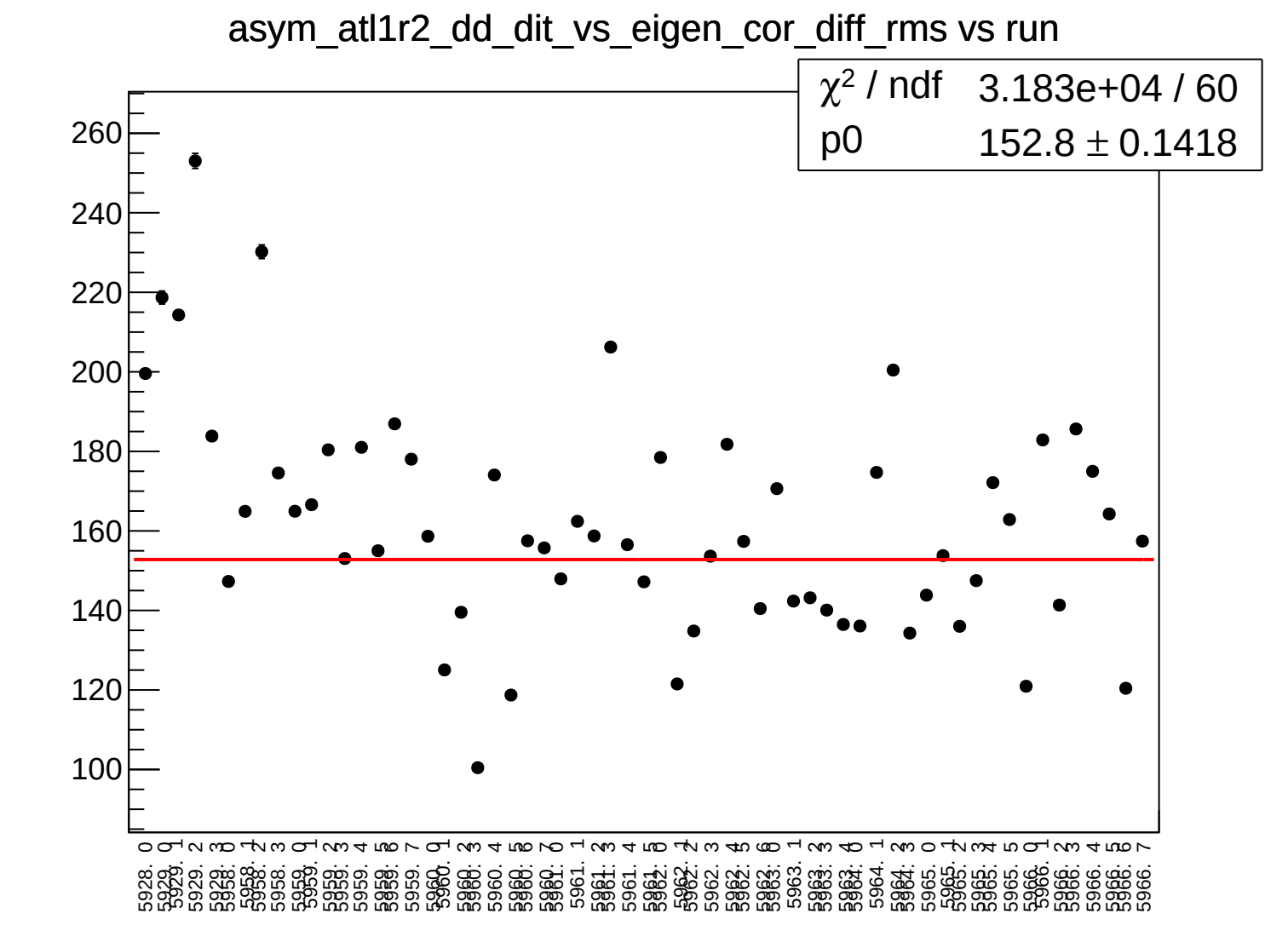

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.169e+05 / 60
p0 2.536e−10 ± 3.676e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

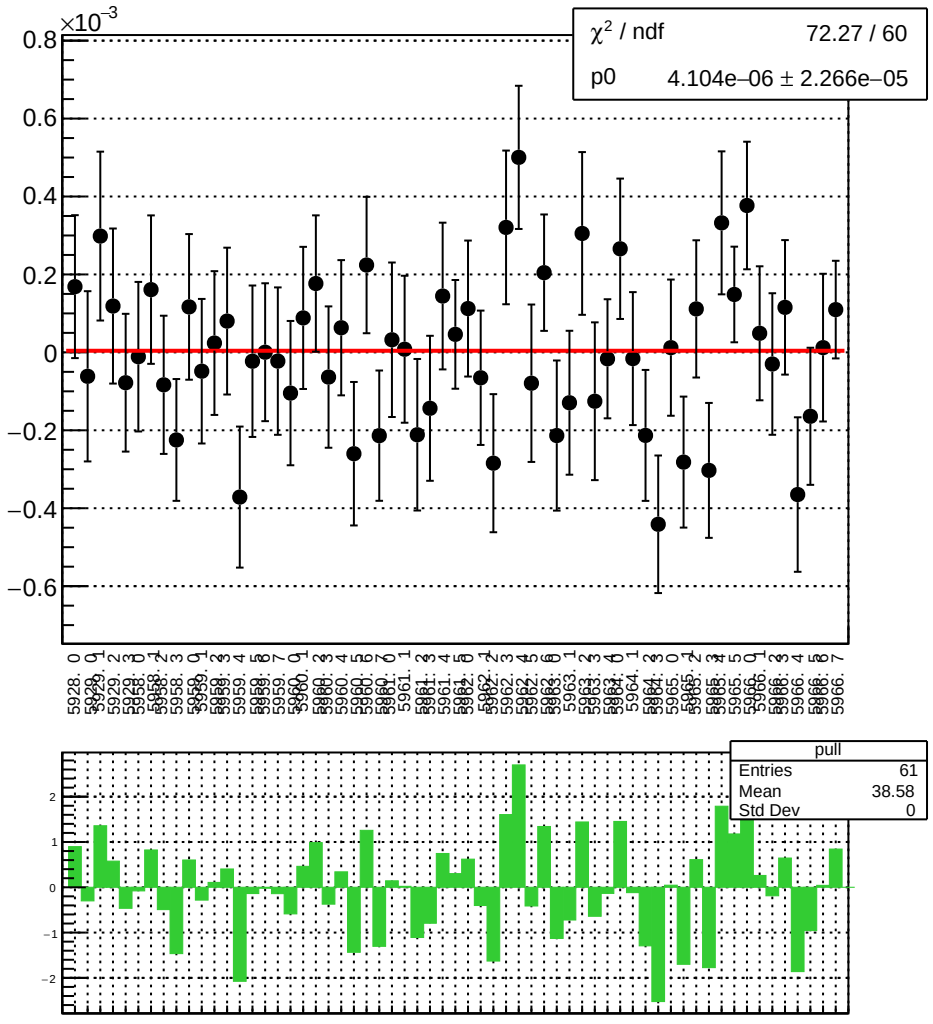

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.2 / 60
p0 −0.1736 ± 0.2006
pull
Entries 61
Mean −20.84
Std Dev 60.49

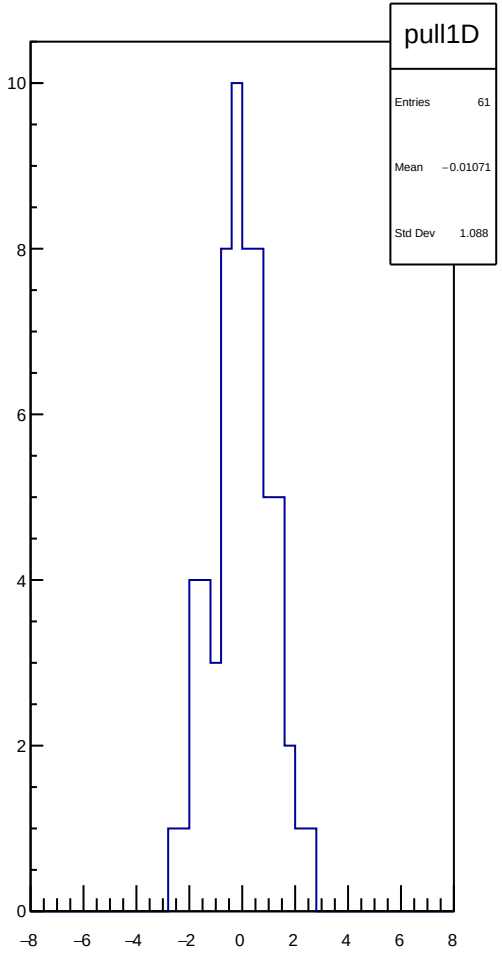

pull1D
Entries 61
Mean −0.01921
Std Dev 1.088

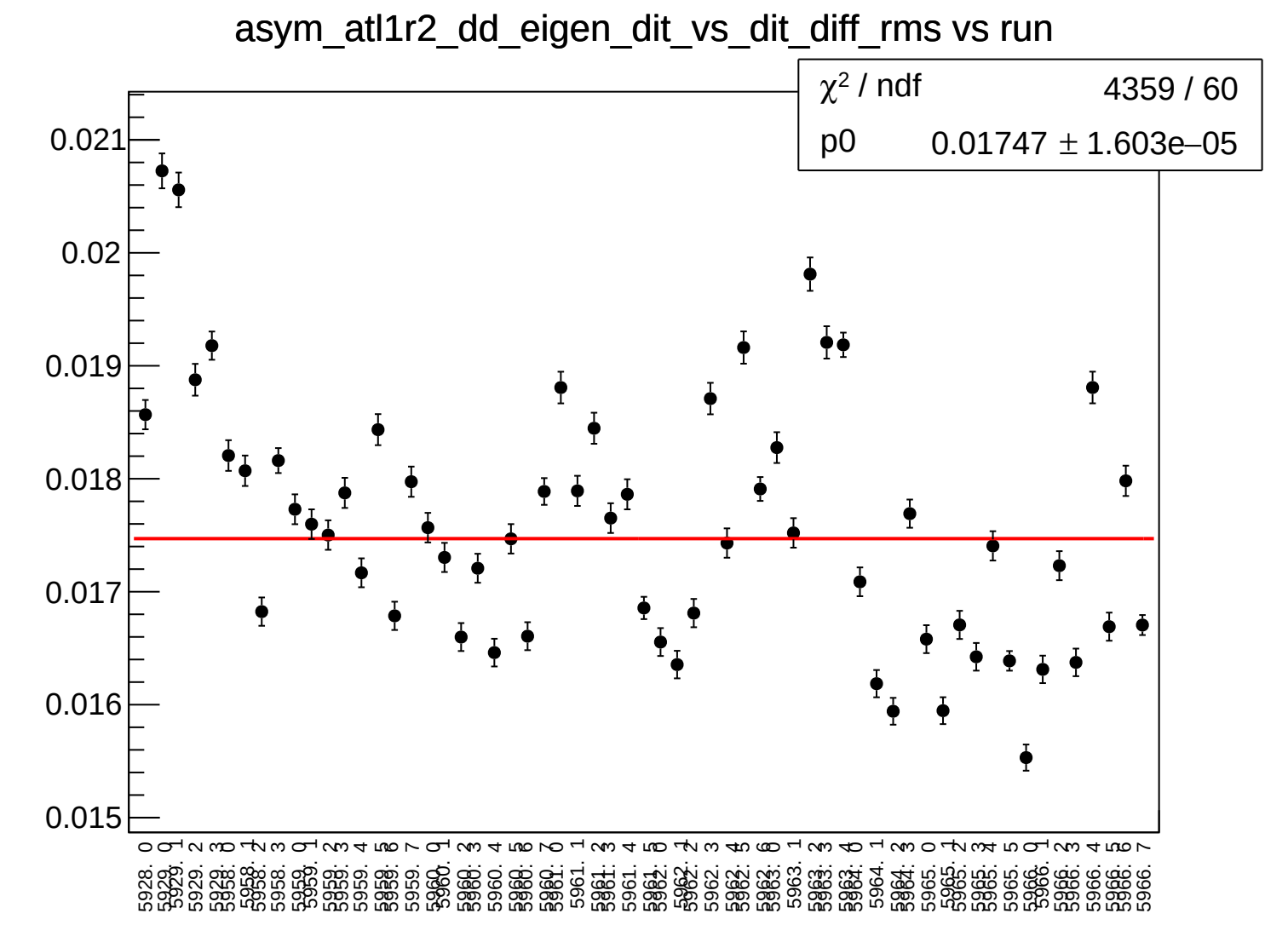

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.183e+04 / 60
p0 152.8 ± 0.1418
260
240
220
200
180
160
140
120
100

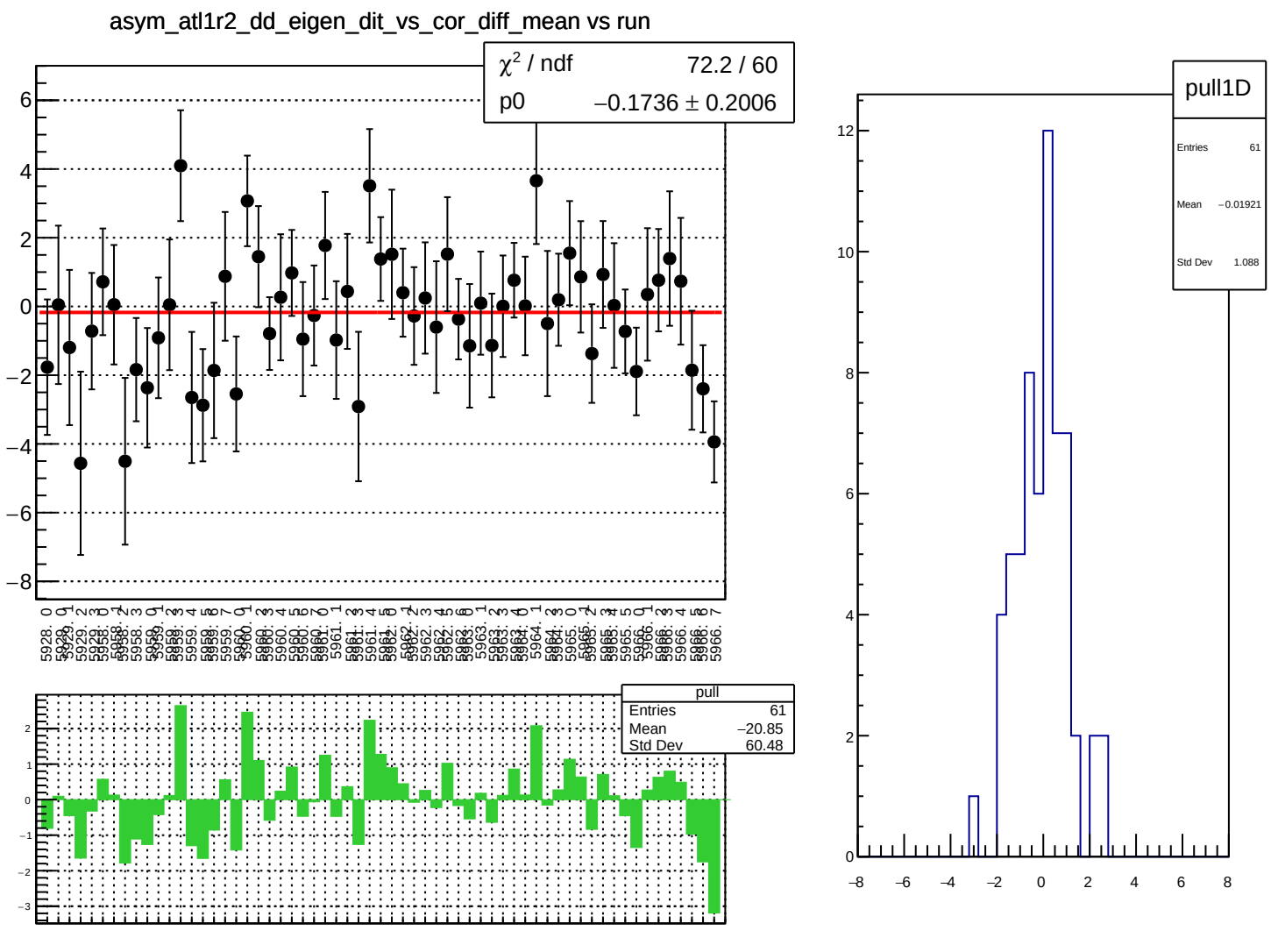

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.2 / 60
p0 −0.1736 ± 0.2006
pull
Entries 61
Mean −20.84
Std Dev 60.49
pull1D
Entries 61
Mean −0.01921
Std Dev 1.088

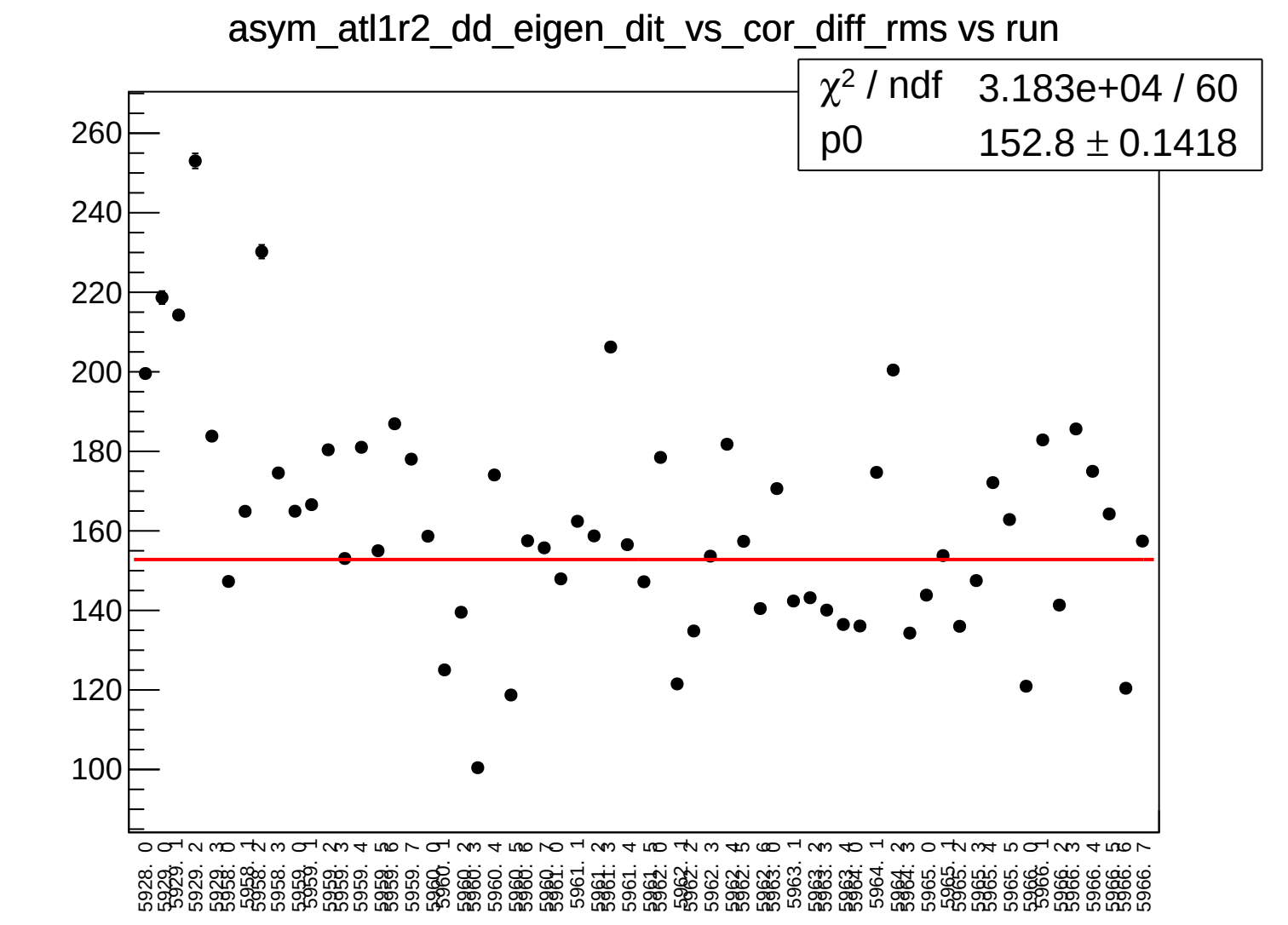

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.183e+04 / 60
p0 152.8 ± 0.1418
260
240
220
200
180
160
140
120
100

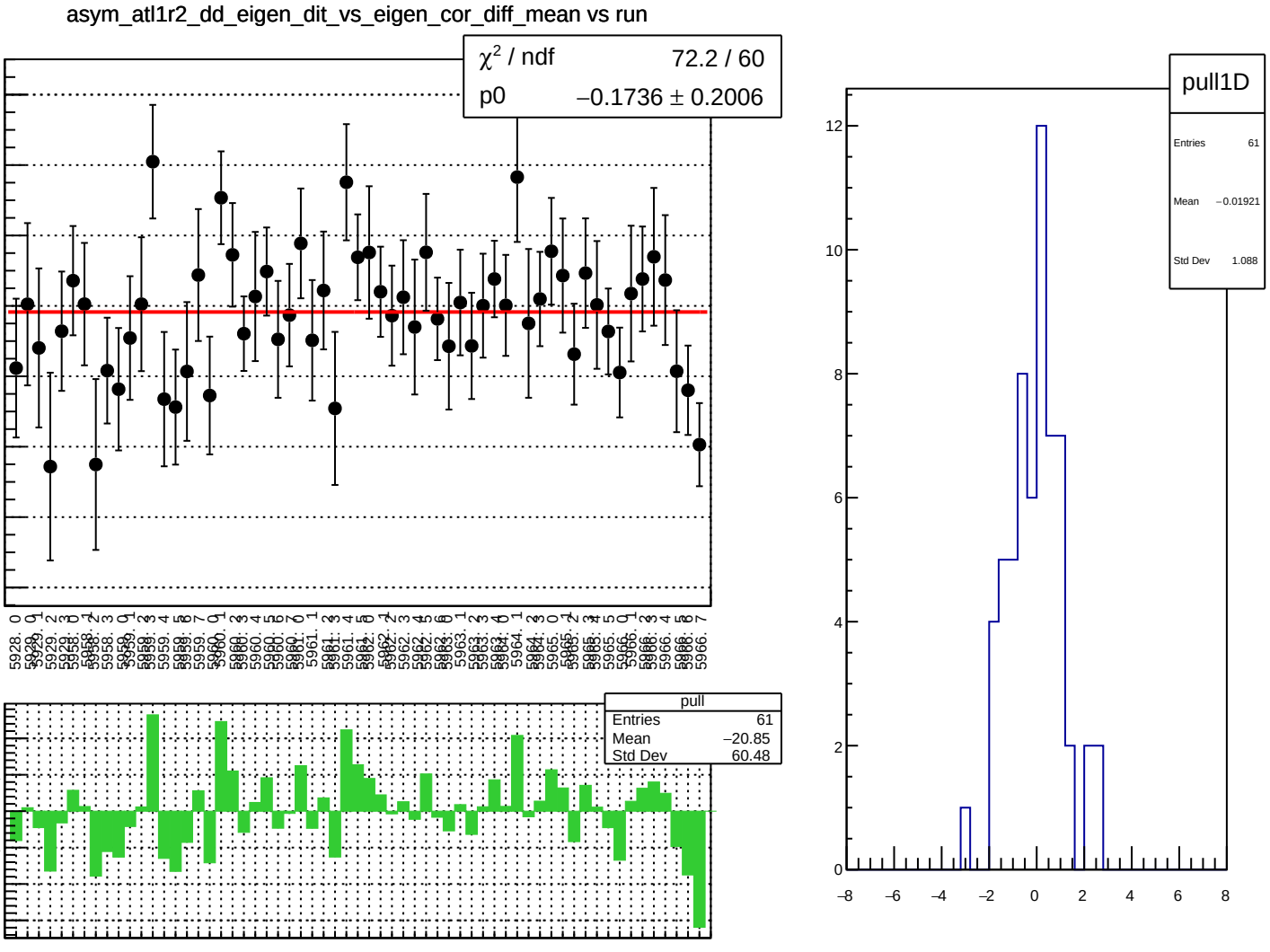

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.27 / 60
p0 4.104e−06 ± 2.266e−05
pull
Entries 61
Mean 38.58
Std Dev 0

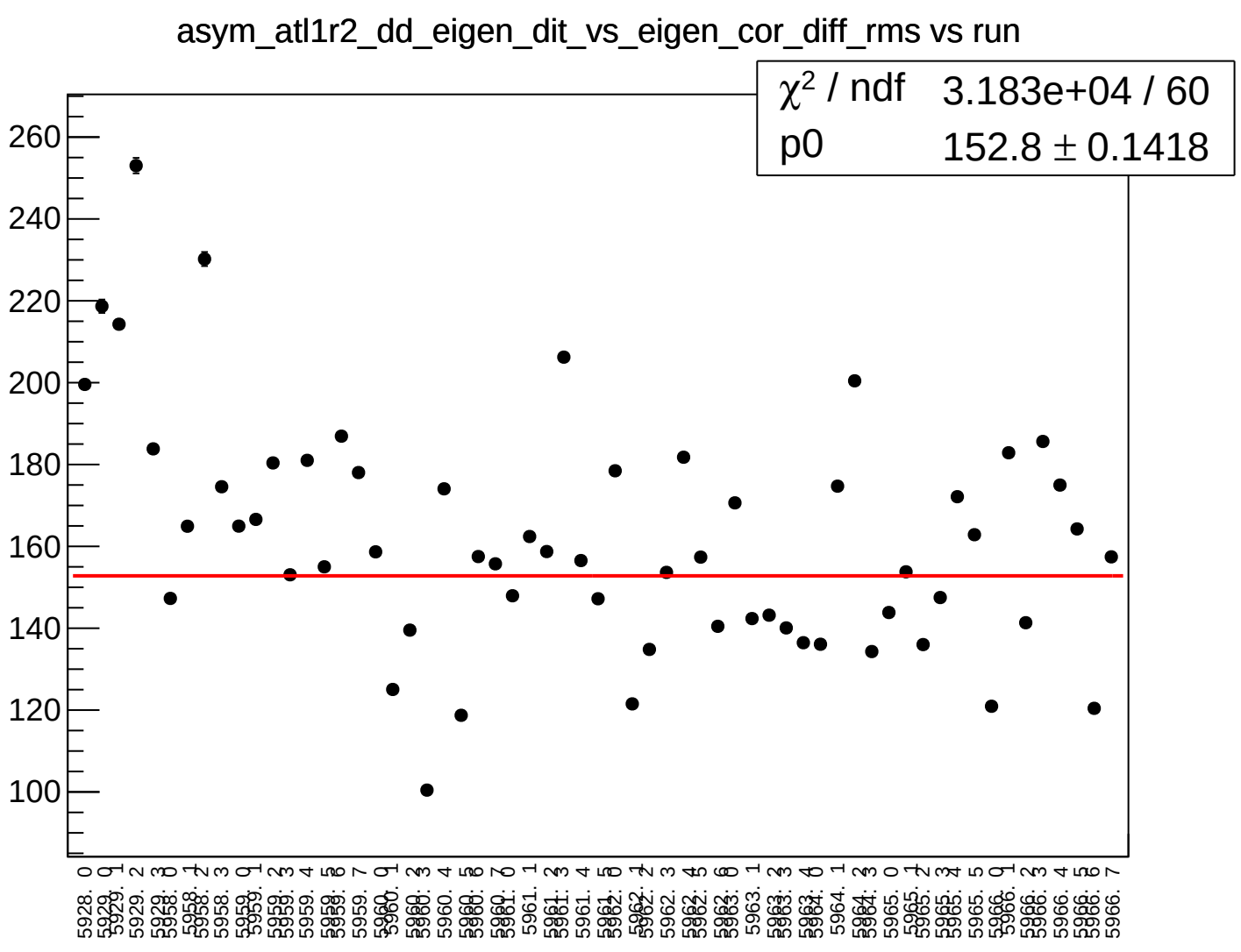

pull1D
Entries 61
Mean −0.01071
Std Dev 1.088

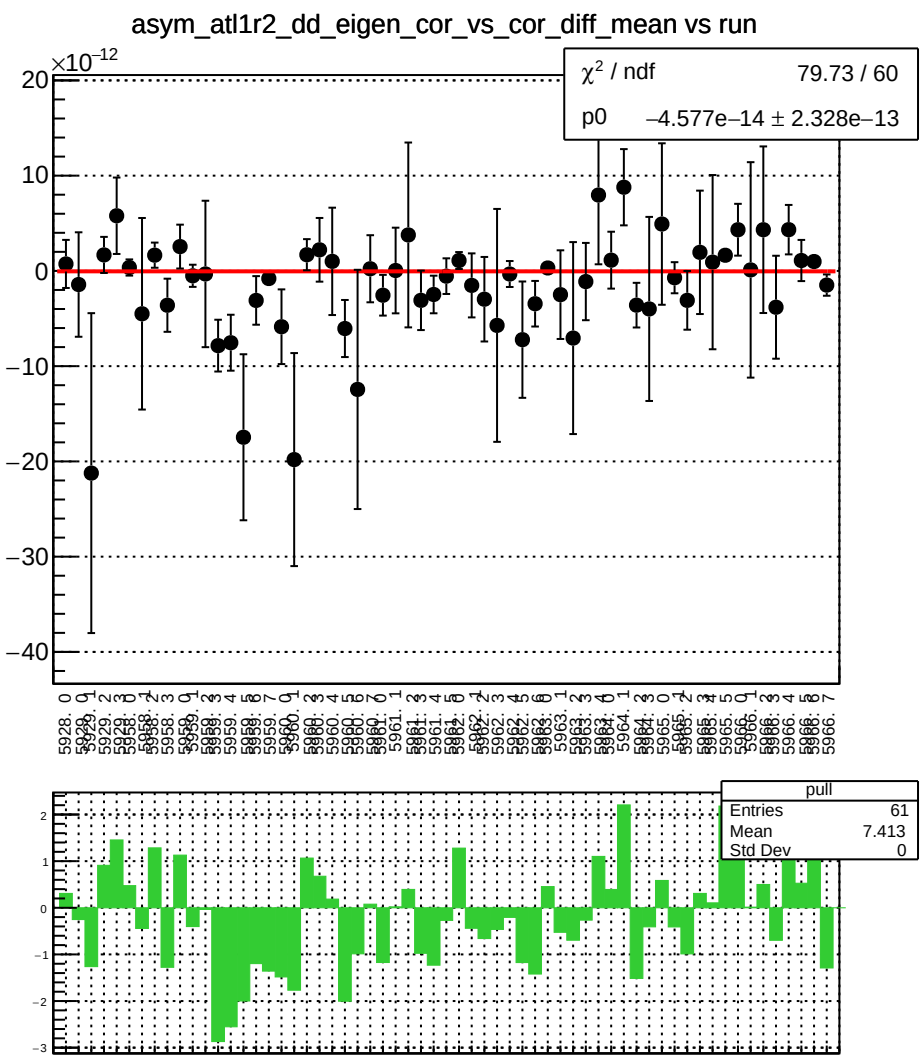

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4359 / 60
p0 0.01747 ± 1.603e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015

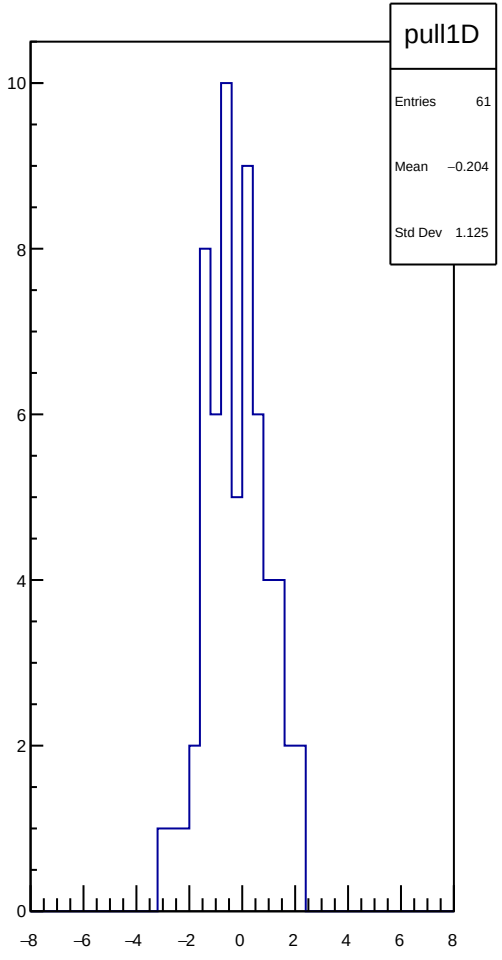

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.2 / 60
p0 −0.1736 ± 0.2006
pull
Entries 61
Mean −20.85
Std Dev 60.48
pull1D
Entries 61
Mean −0.01921
Std Dev 1.088

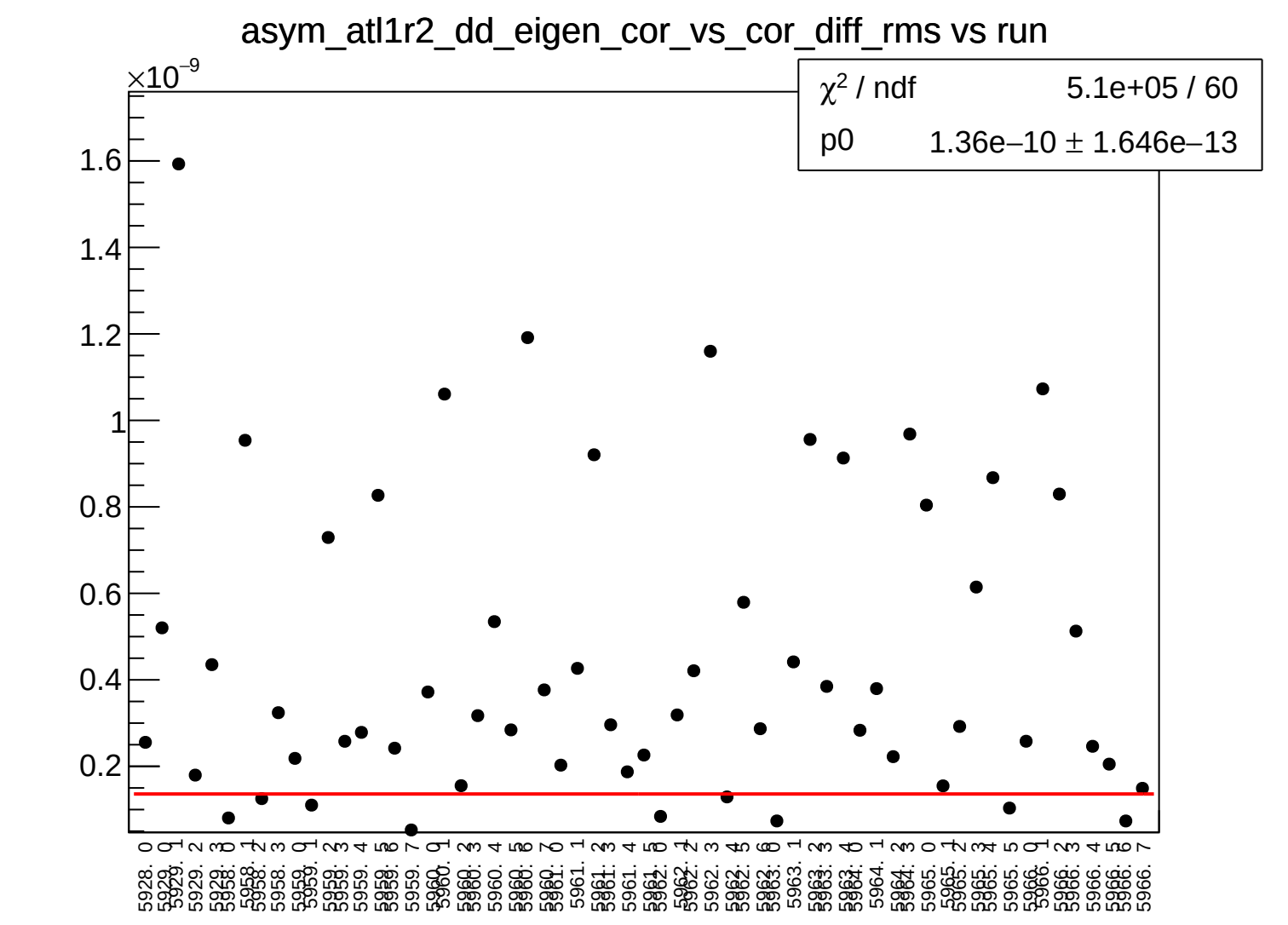

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.183e+04 / 60
p0 152.8 ± 0.1418
260
240
220
200
180
160
140
120
100

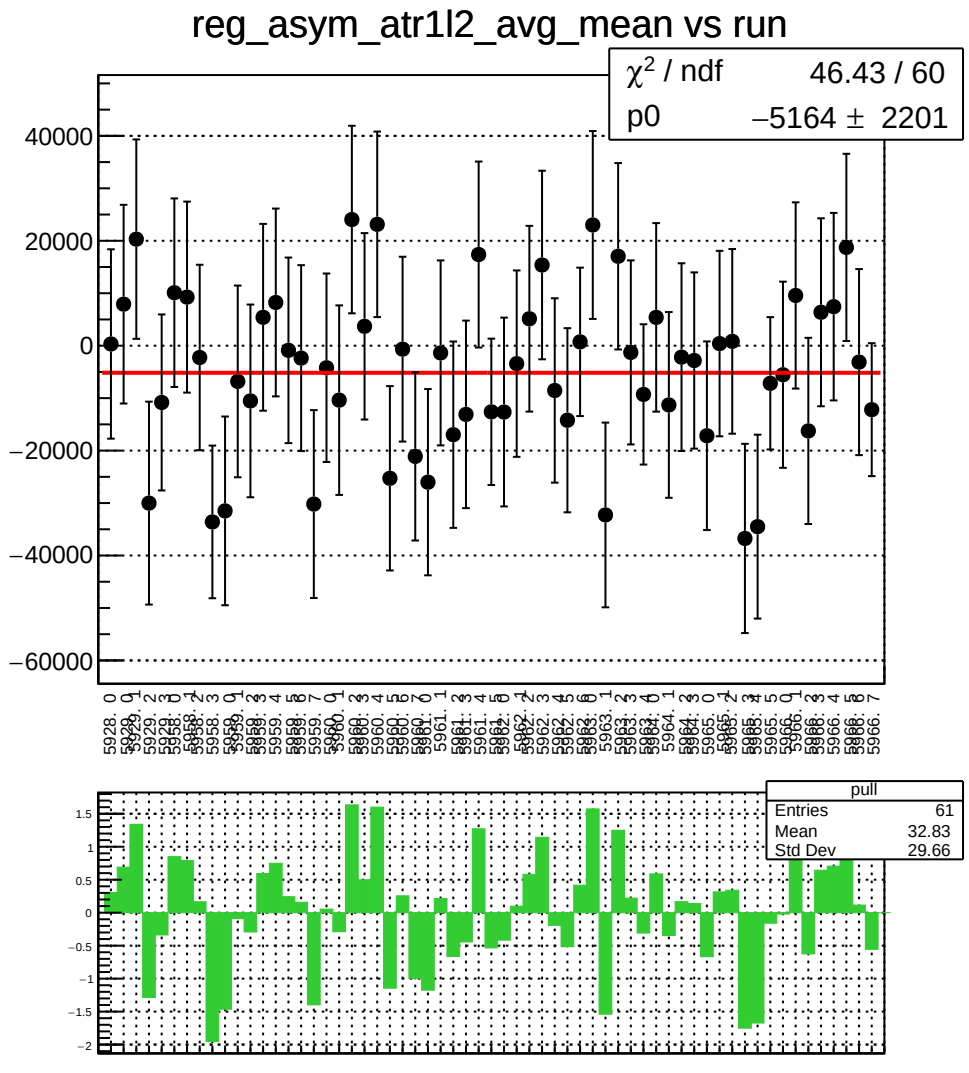

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.2 / 60
p0 −0.1736 ± 0.2006
pull
Entries 61
Mean −20.85
Std Dev 60.48
pull1D
Entries 61
Mean −0.01921
Std Dev 1.088

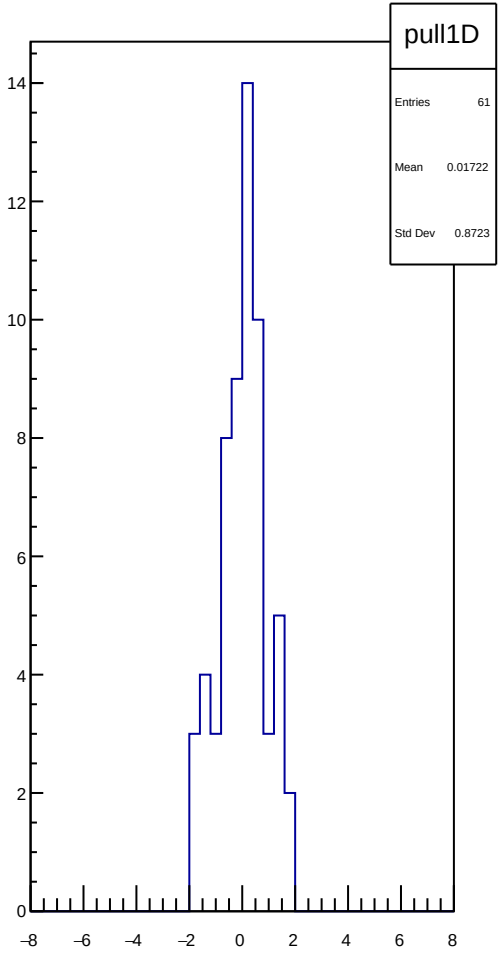

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.183e+04 / 60
p0 152.8 ± 0.1418
260
240
220
200
180
160
140
120
100

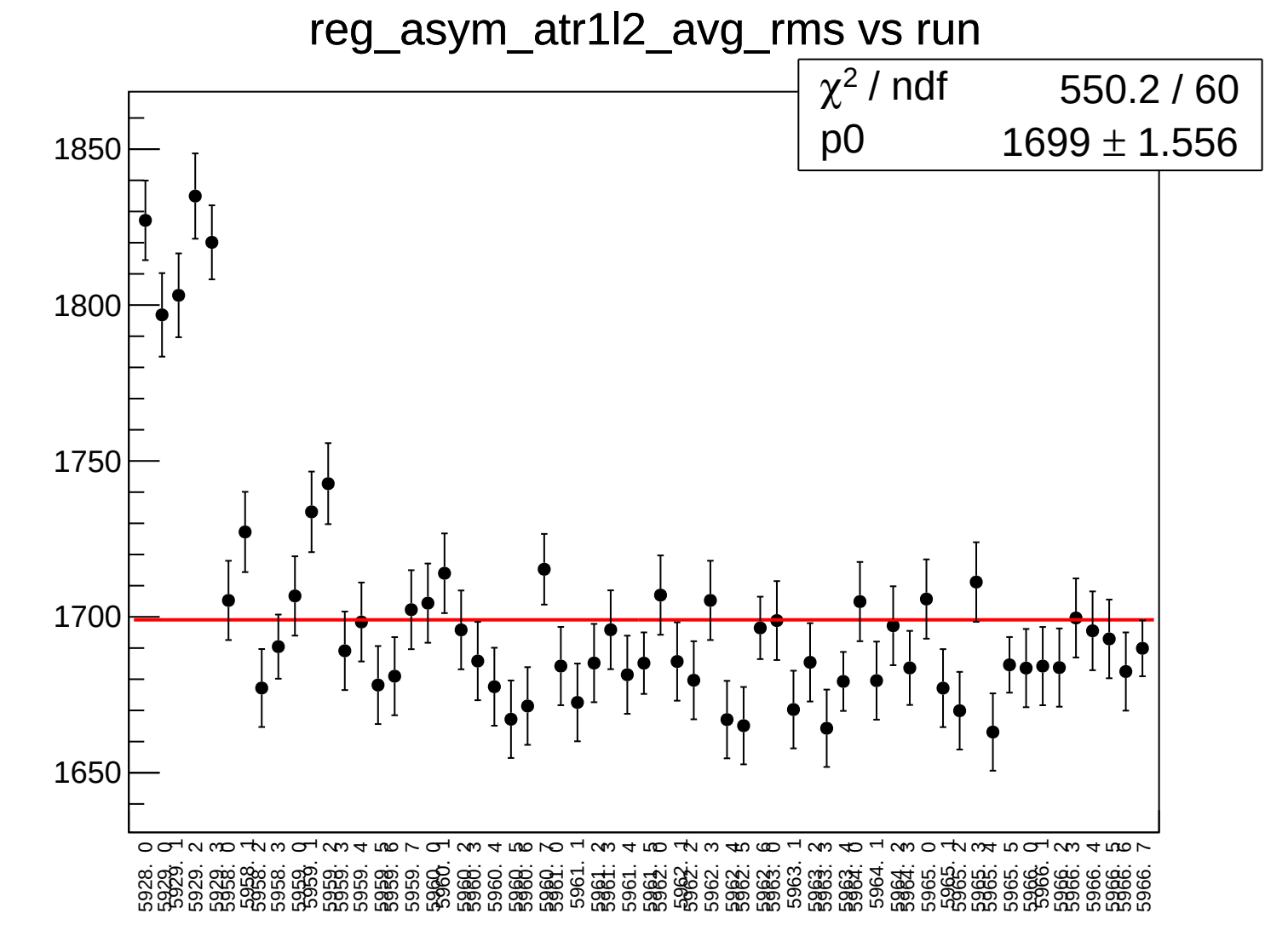

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.73 / 60
p0 −4.577e−14 ± 2.328e−13
pull
Entries 61
Mean 7.413
Std Dev 0

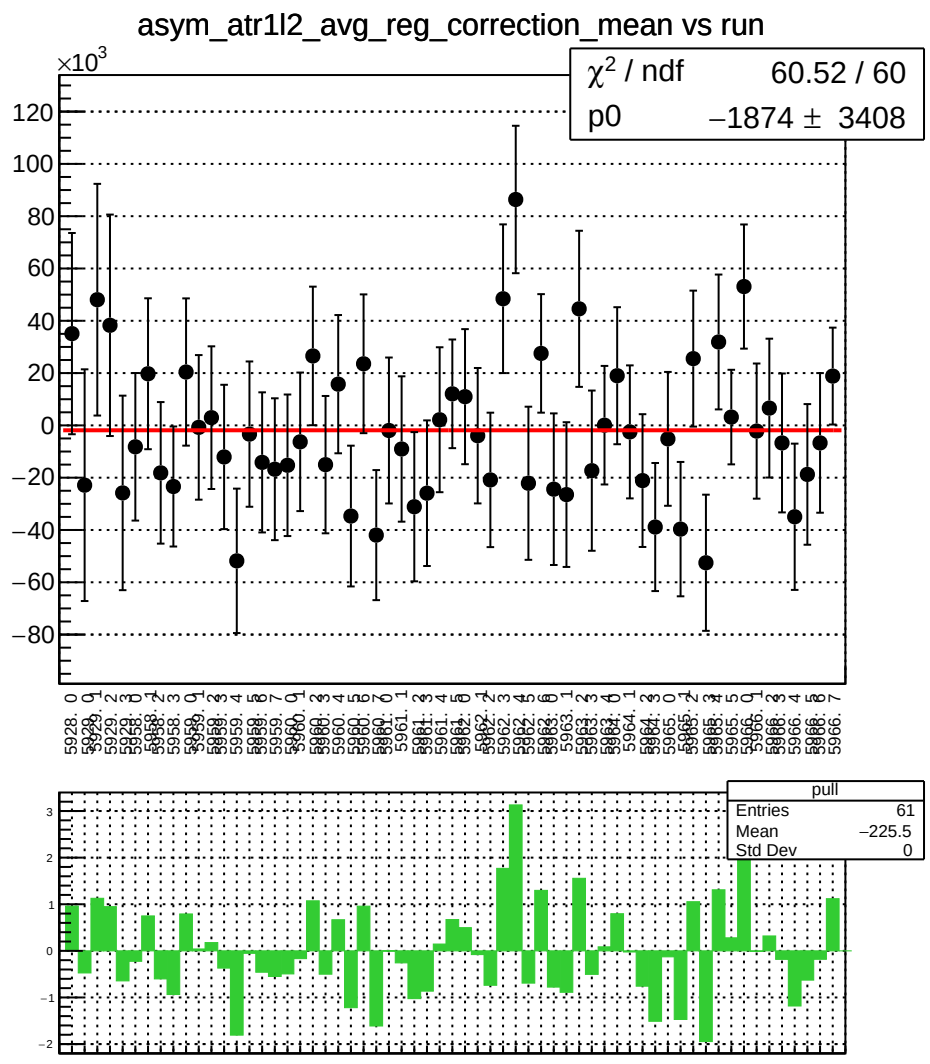

pull1D
Entries 61
Mean −0.204
Std Dev 1.125

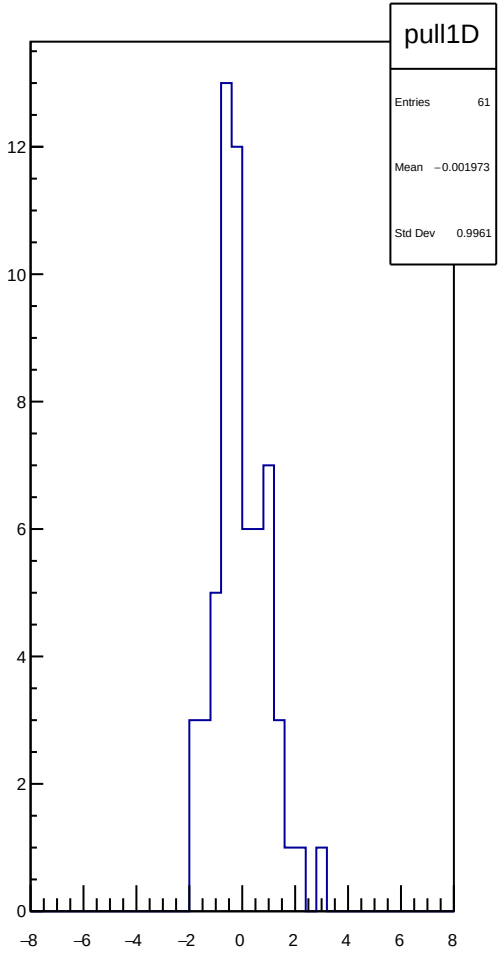

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.1e+05 / 60
p0 1.36e−10 ± 1.646e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

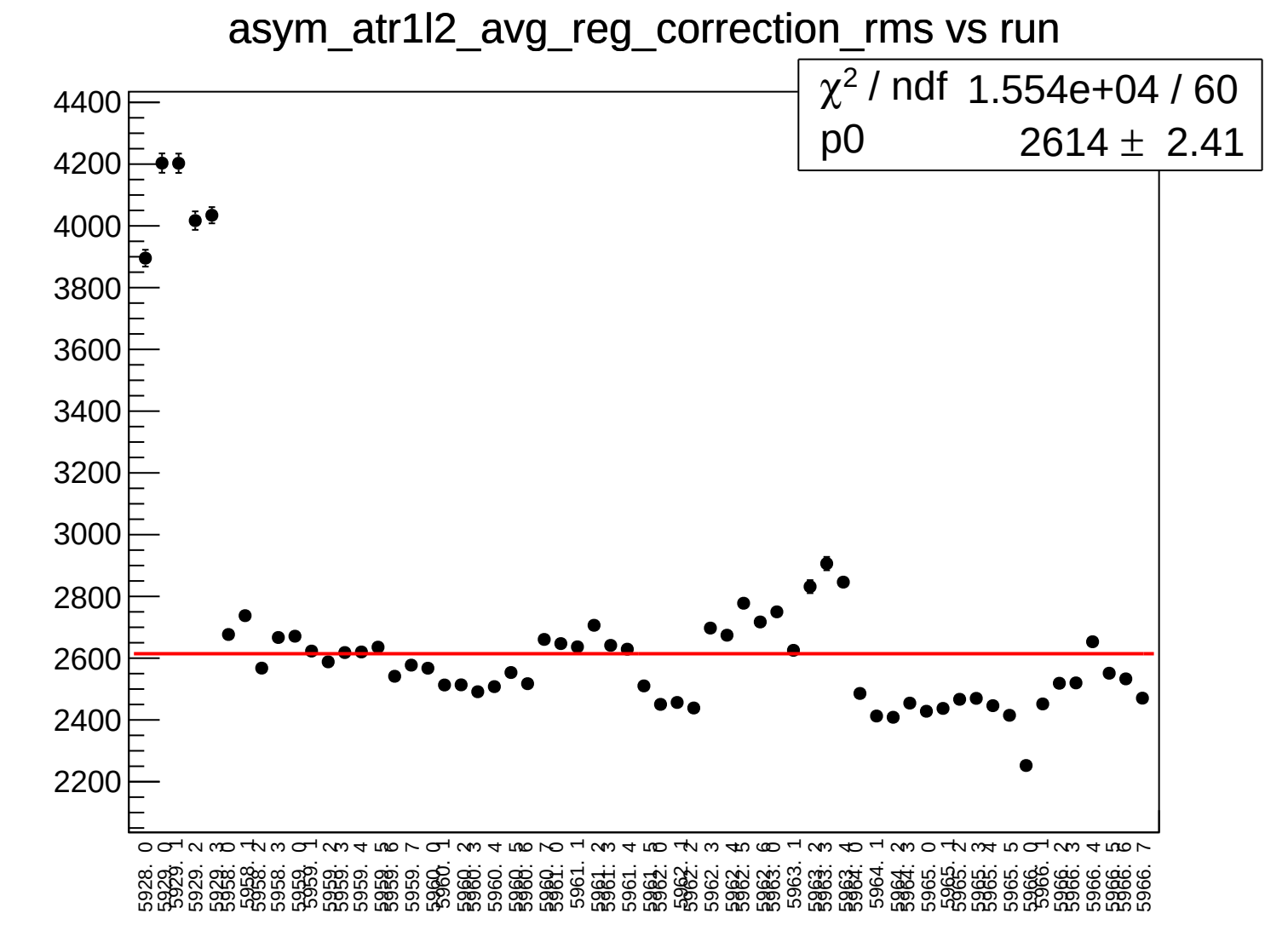

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 46.43 / 60
p0 −5164 ± 2201
pull
Entries 61
Mean 32.83
Std Dev 29.66

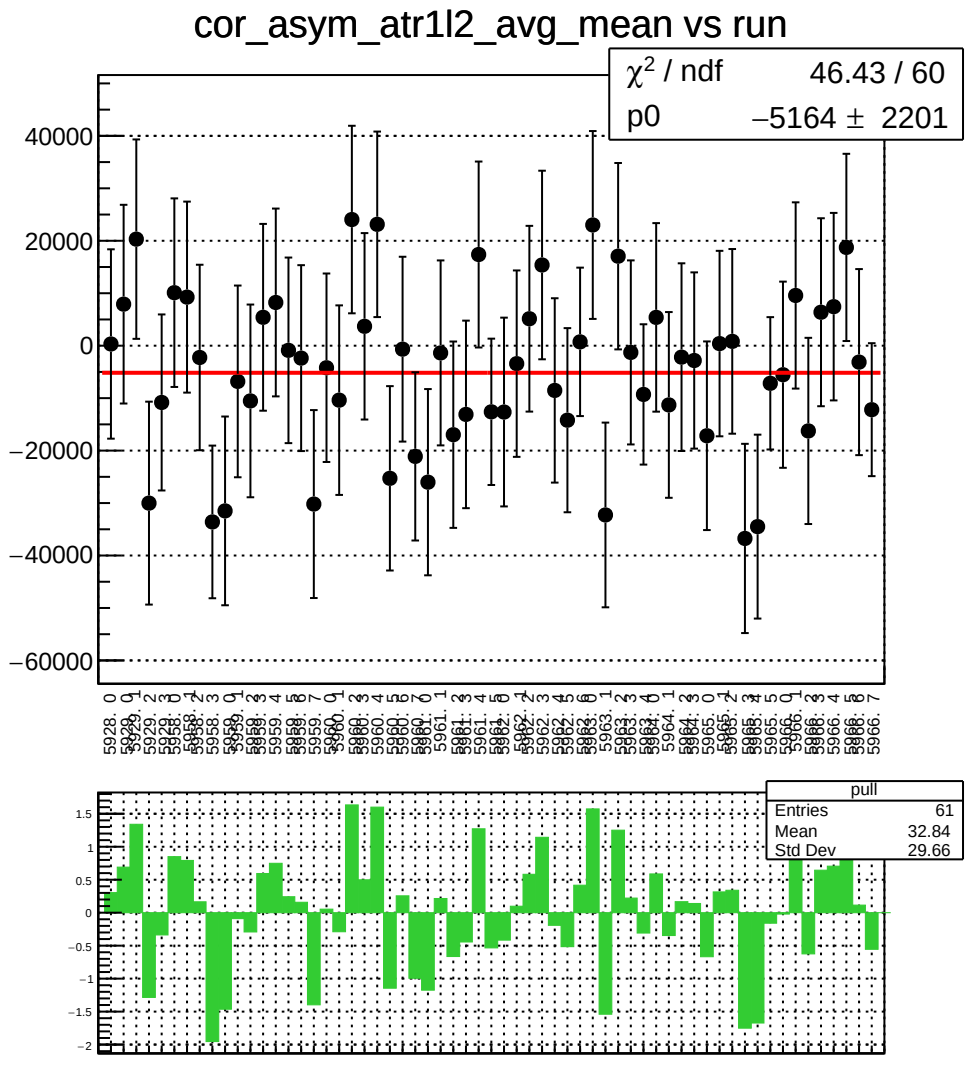

pull1D
Entries 61
Mean 0.01722
Std Dev 0.8723

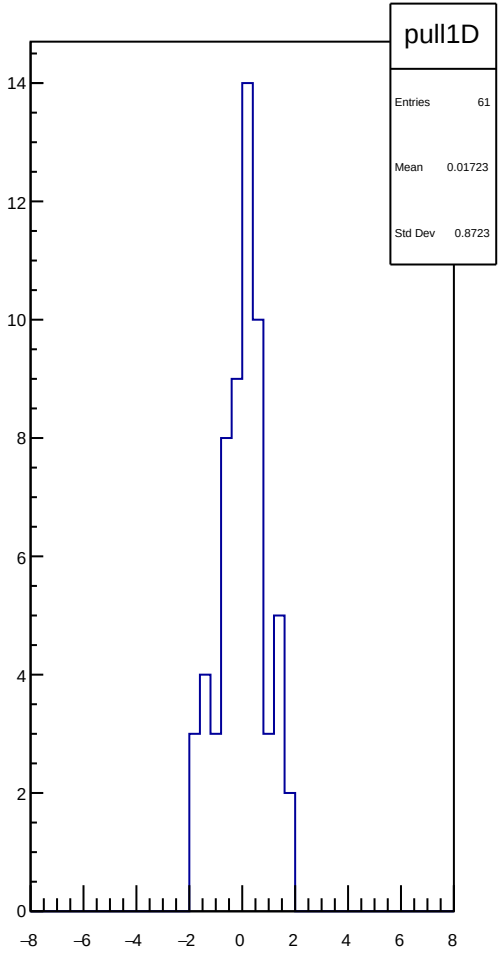

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 550.2 / 60
p0 1699 ± 1.556
1850
1800
1750
1700
1650

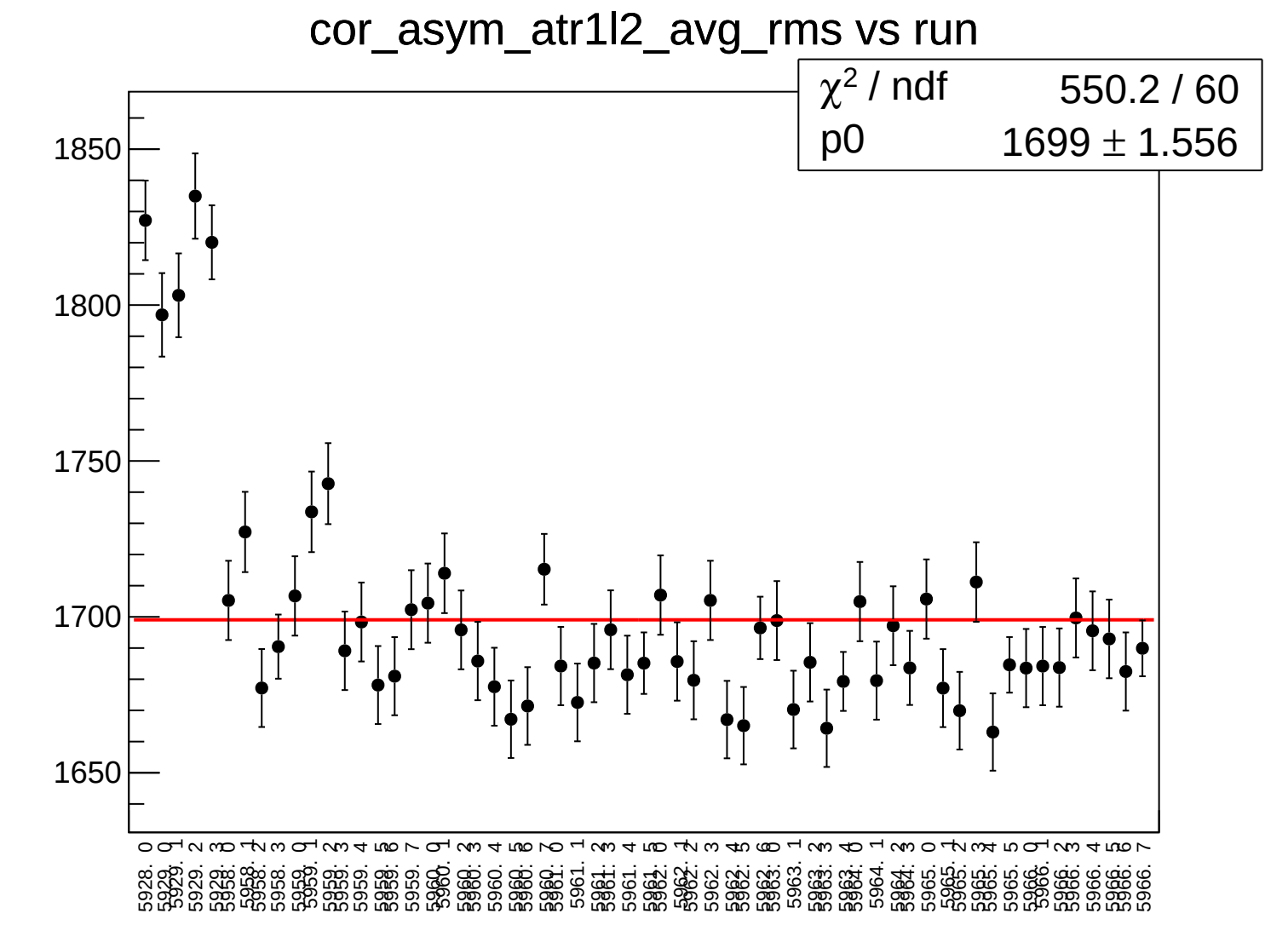

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 60.52 / 60
p0 −1874 ± 3408
pull
Entries 61
Mean −225.5
Std Dev 0

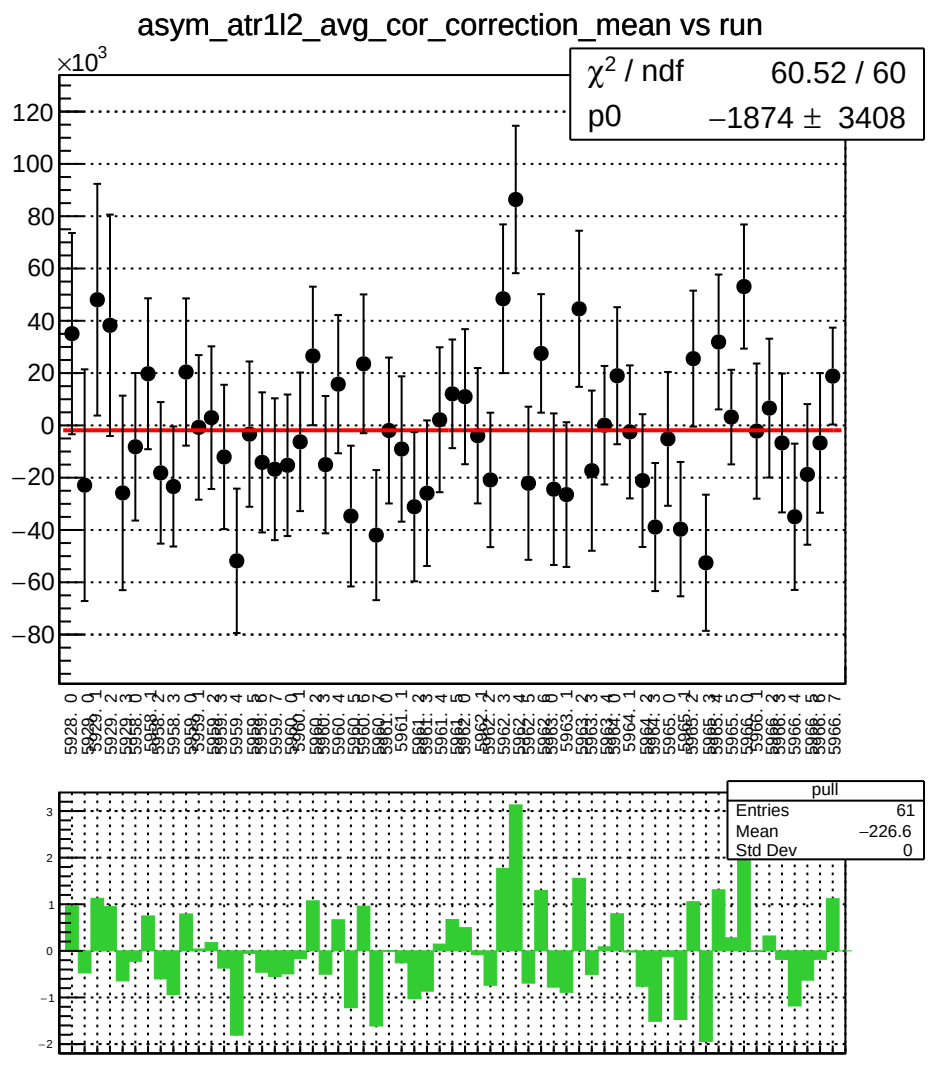

pull1D
Entries 61
Mean −0.001973
Std Dev 0.9961

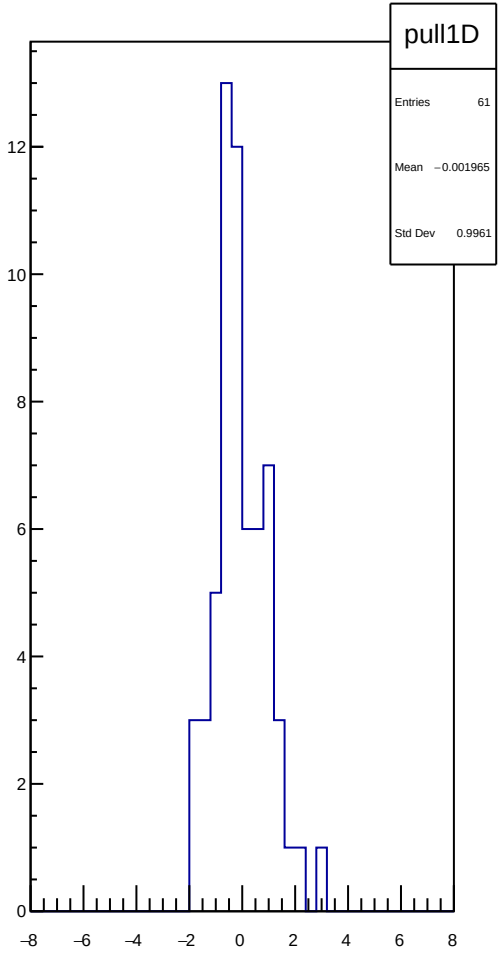

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1.554e+04 / 60
p0 2614 ± 2.41
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

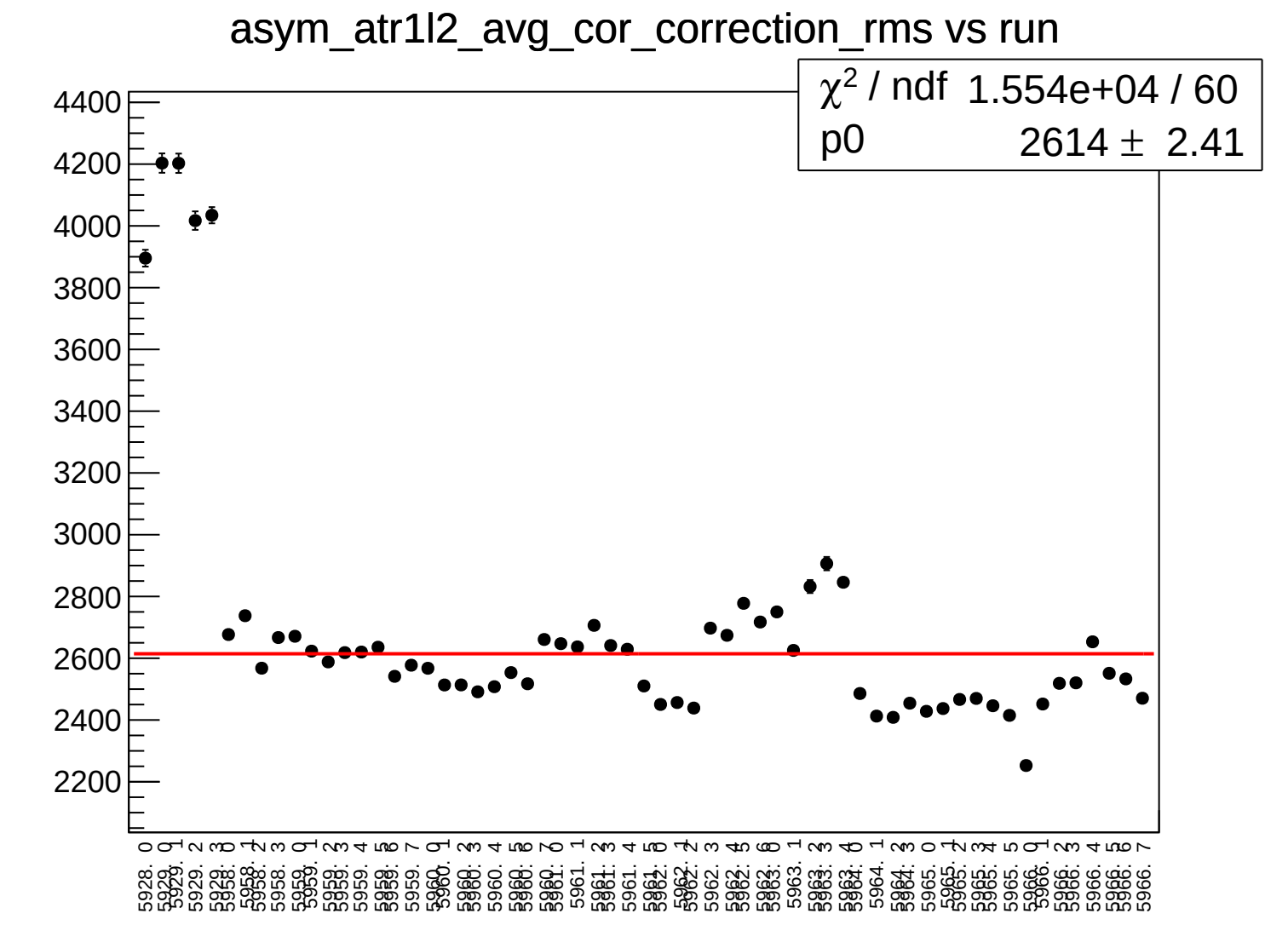

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 46.43 / 60
p0 −5164 ± 2201
pull
Entries 61
Mean 32.84
Std Dev 29.66

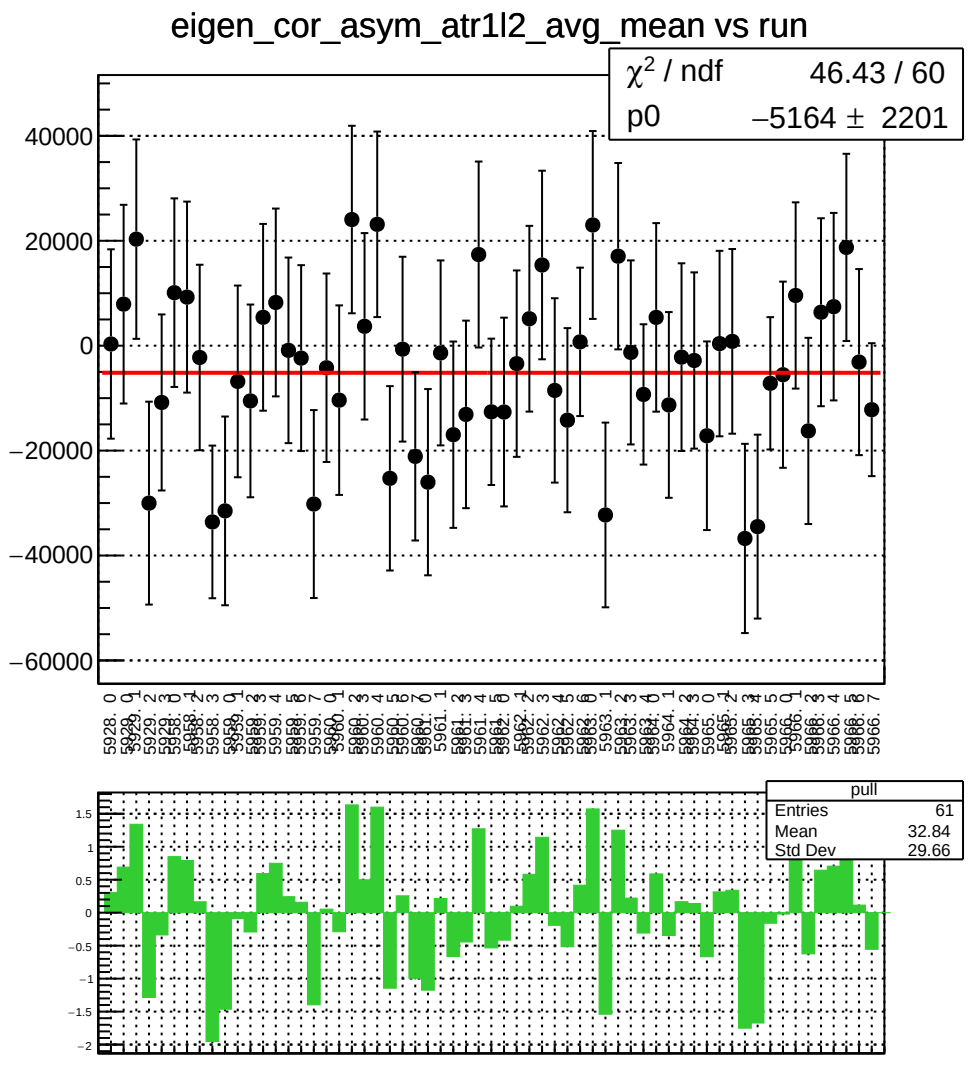

pull1D
Entries 61
Mean 0.01723
Std Dev 0.8723

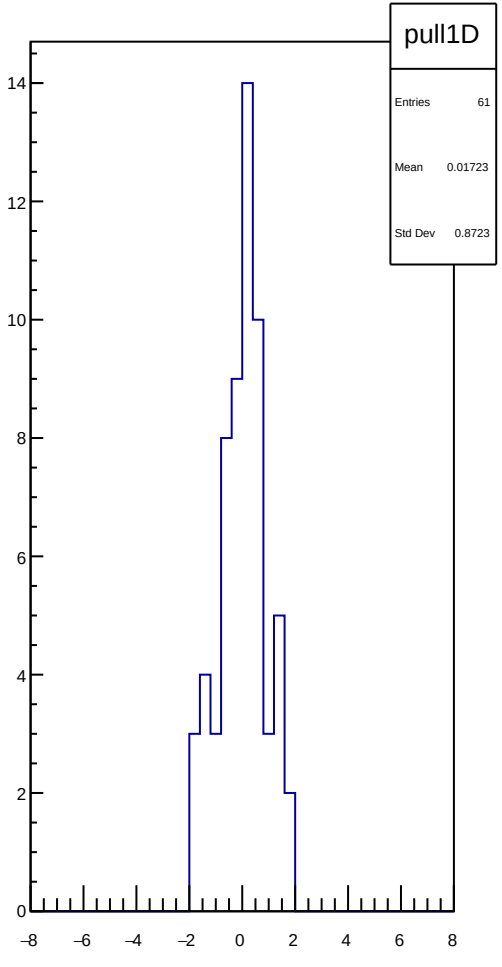

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 550.2 / 60
p0 1699 ± 1.556
1850
1800
1750
1700
1650

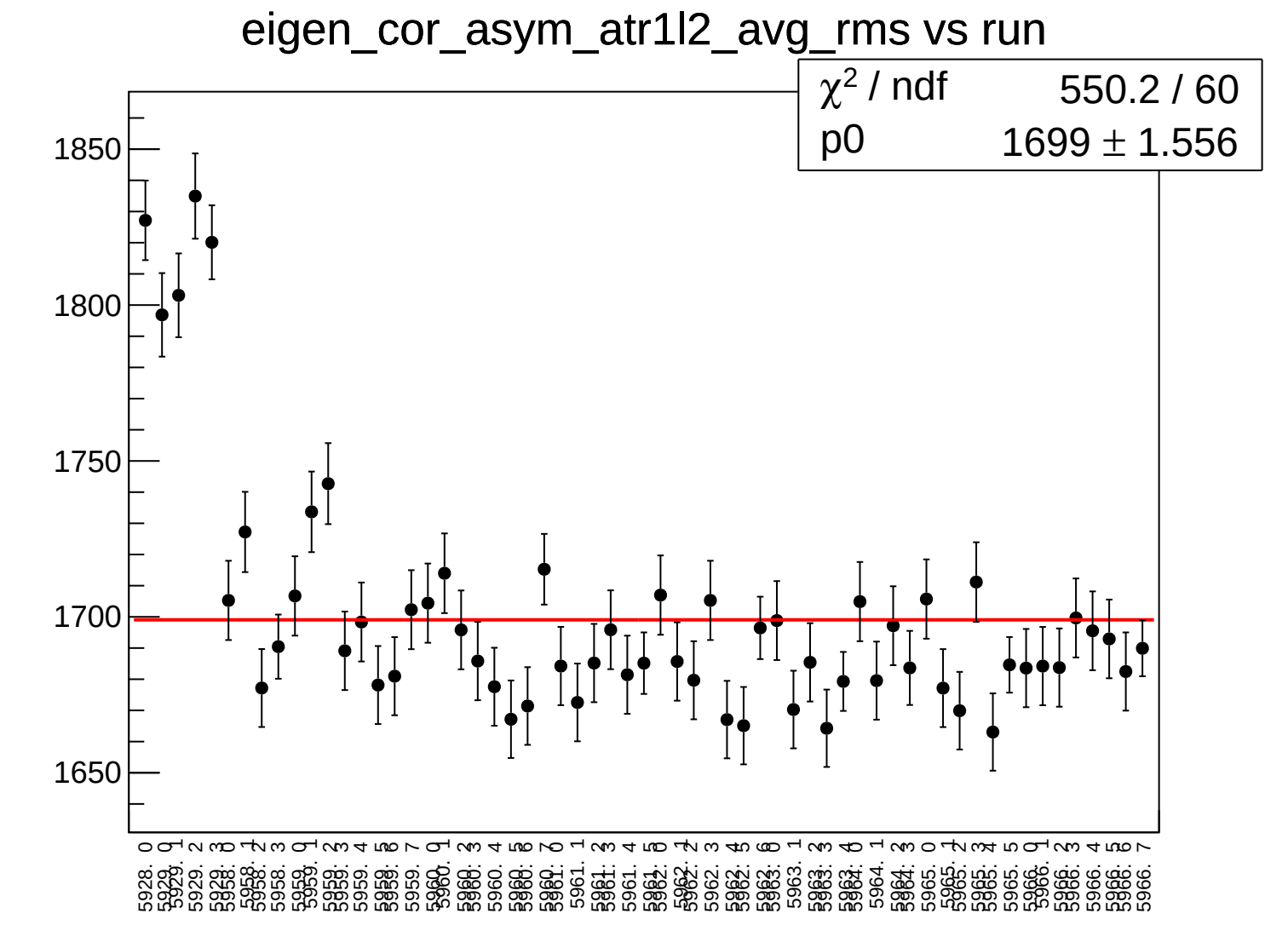

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 60.52 / 60
p0 −1874 ± 3408
pull
Entries 61
Mean −226.6
Std Dev 0

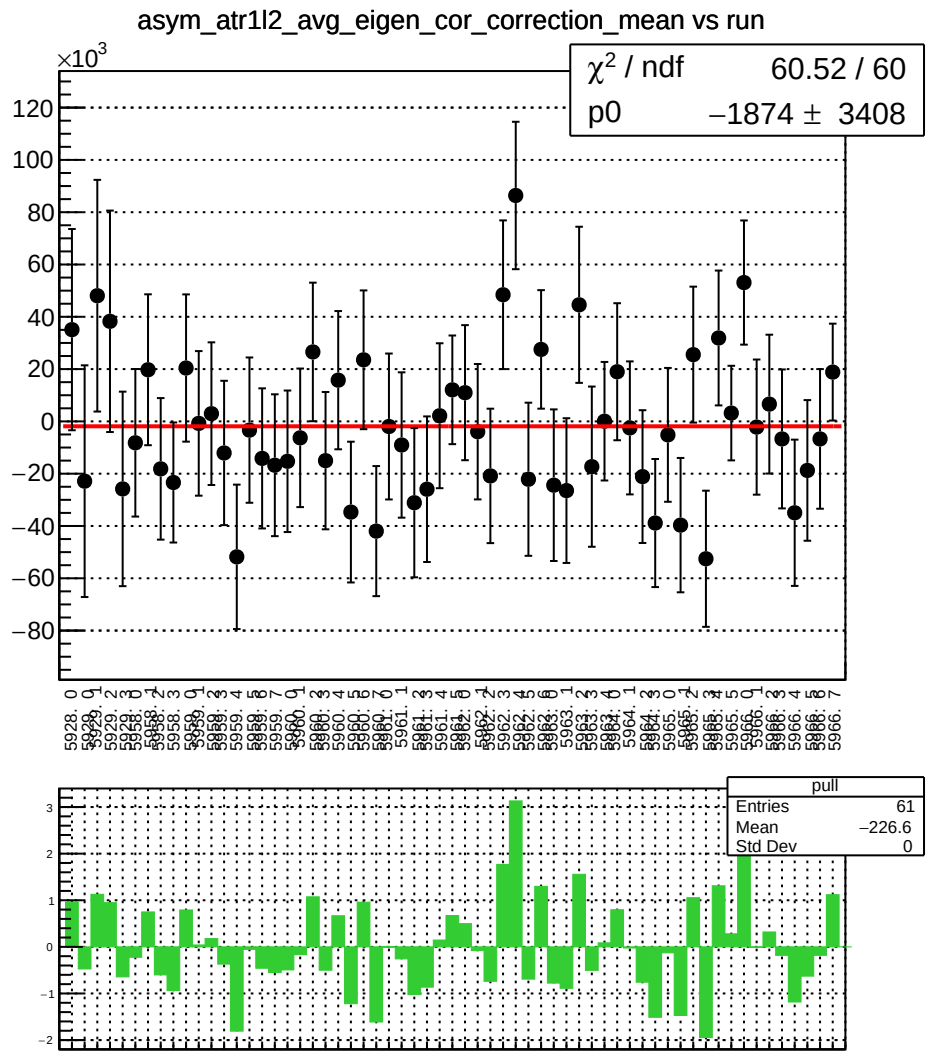

pull1D
Entries 61
Mean −0.001965
Std Dev 0.9961

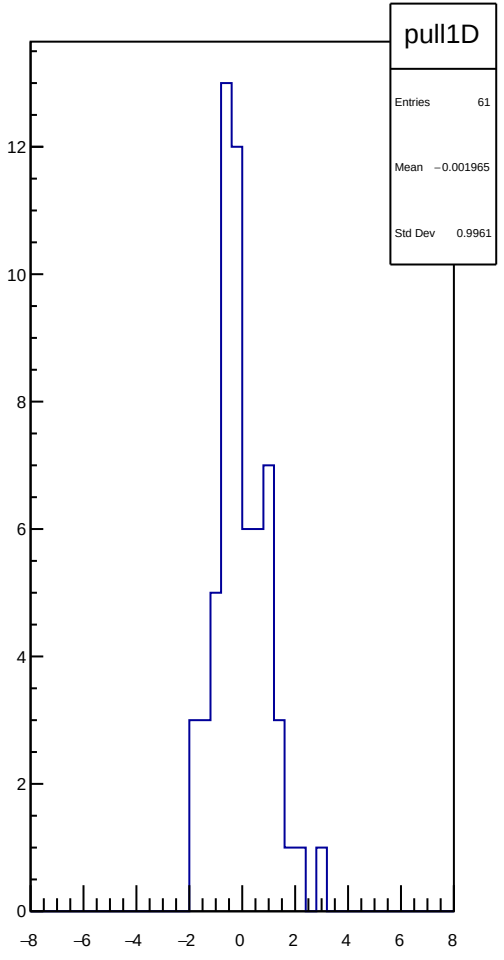

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1.554e+04 / 60
p0 2614 ± 2.41
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

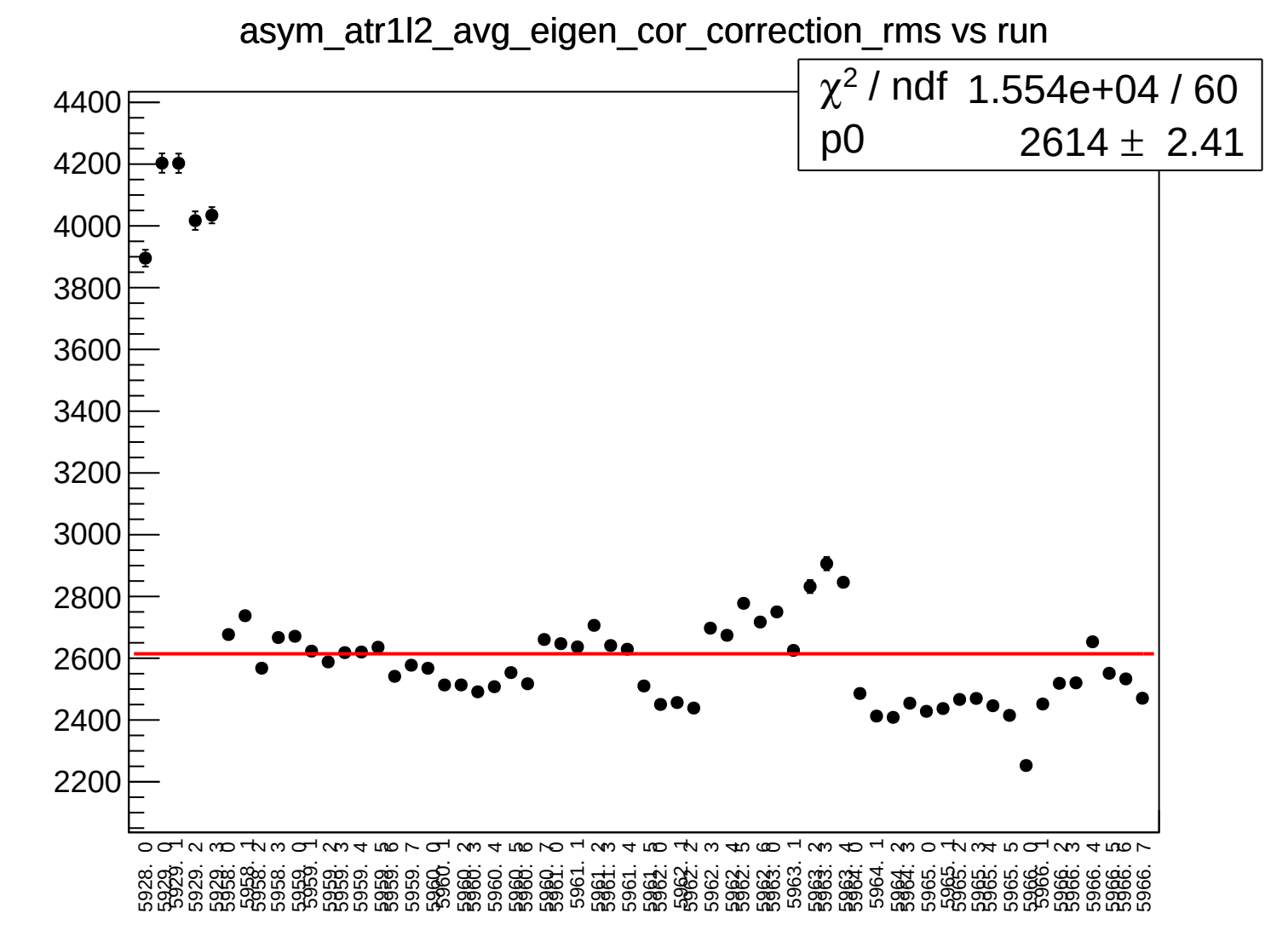

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 46.43 / 60
p0 −5164 ± 2201
pull
Entries 61
Mean 32.84
Std Dev 29.66

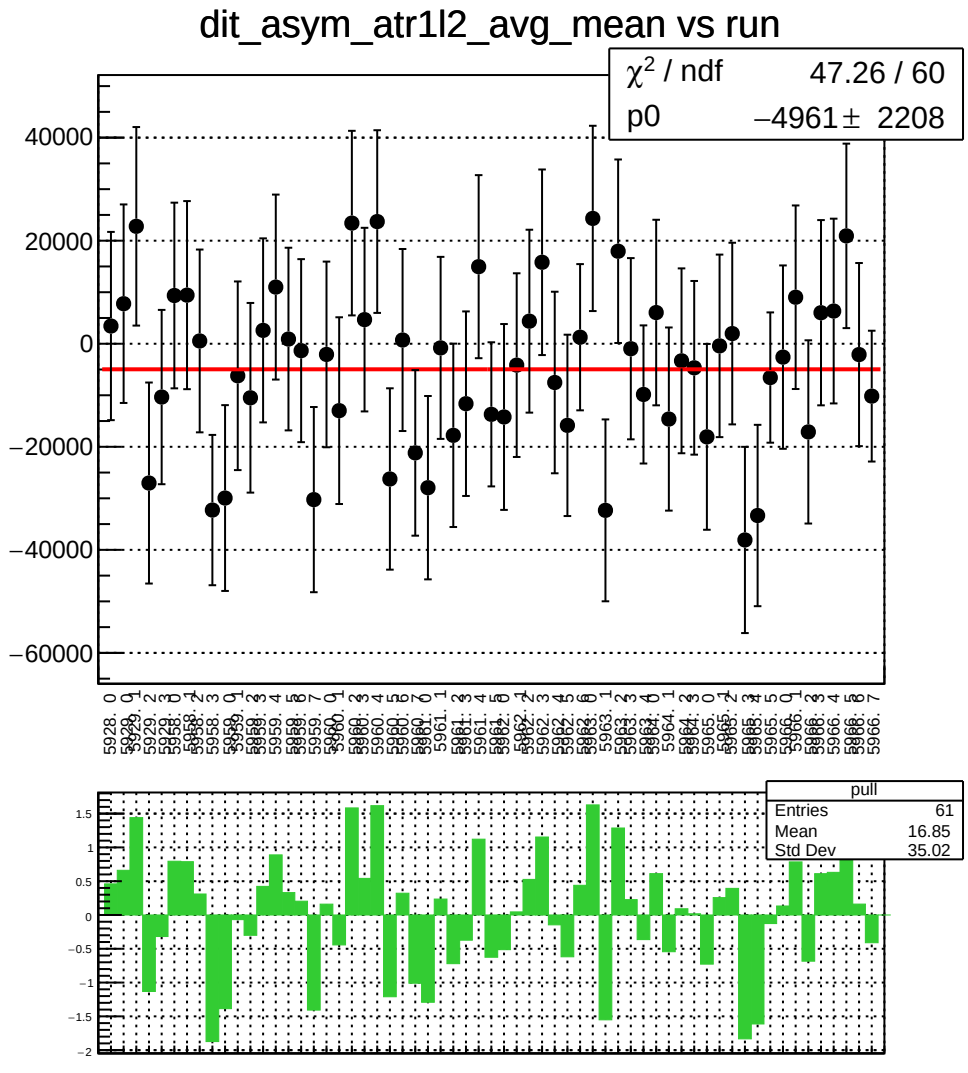

pull1D
Entries 61
Mean 0.01723
Std Dev 0.8723

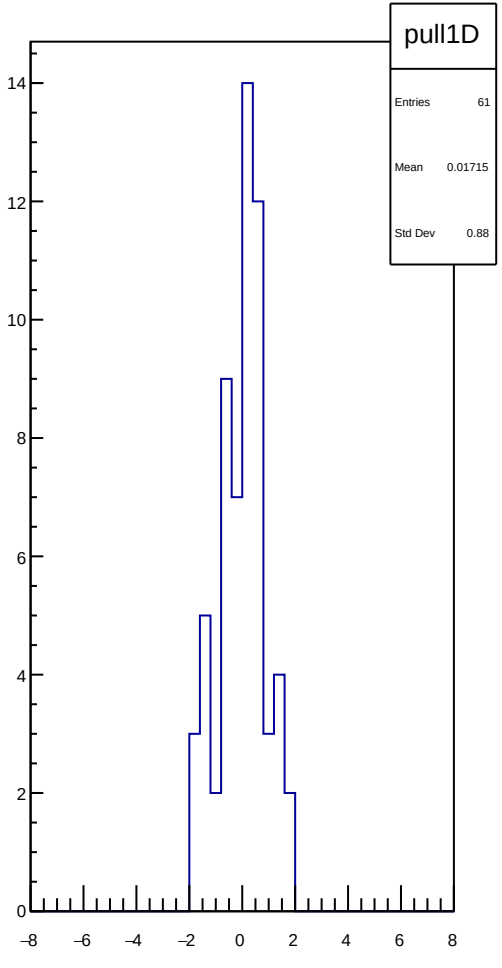

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 550.2 / 60
p0 1699 ± 1.556
1850
1800
1750
1700
1650

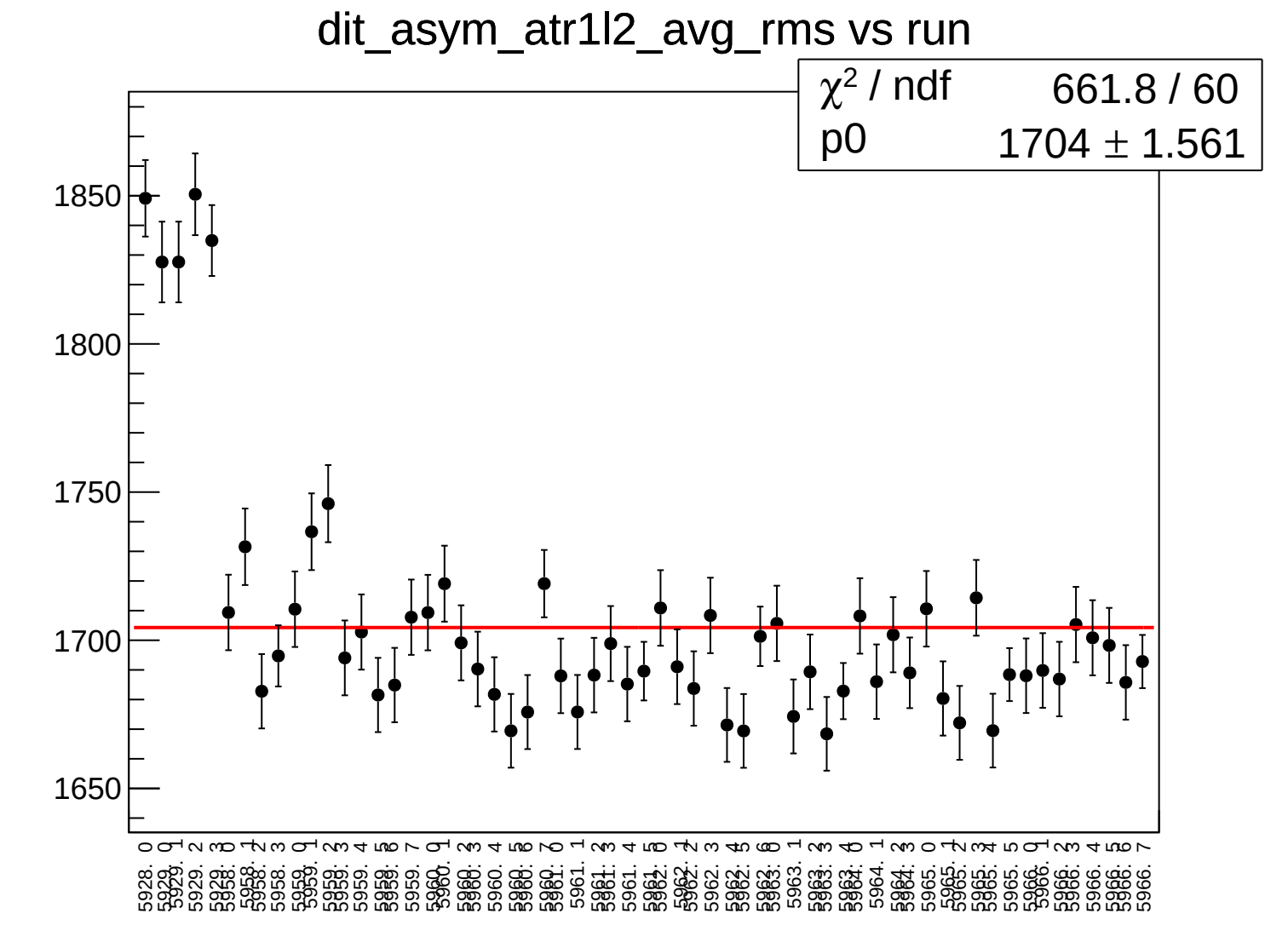

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 60.52 / 60
p0 −1874 ± 3408
pull
Entries 61
Mean −226.6
Std Dev 0

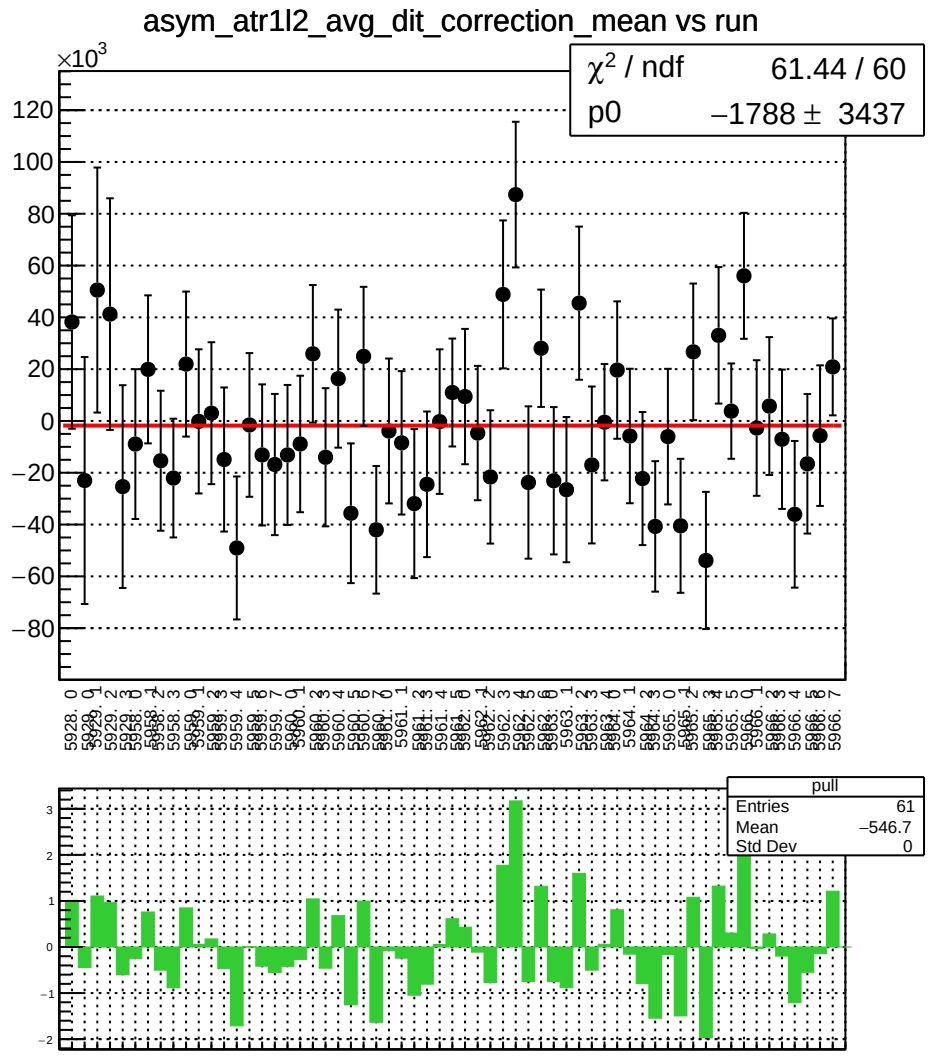

pull1D
Entries 61
Mean −0.001965
Std Dev 0.9961

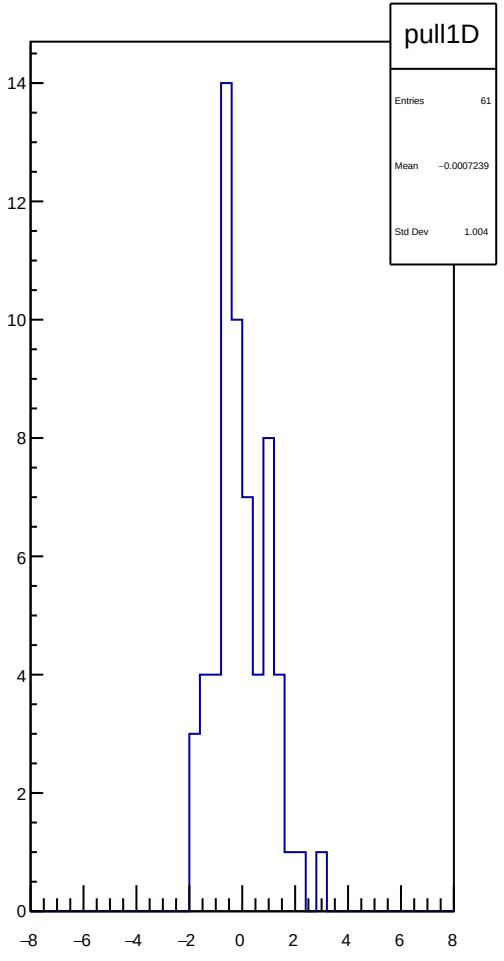

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.554e+04 / 60
p0 2614 ± 2.41
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

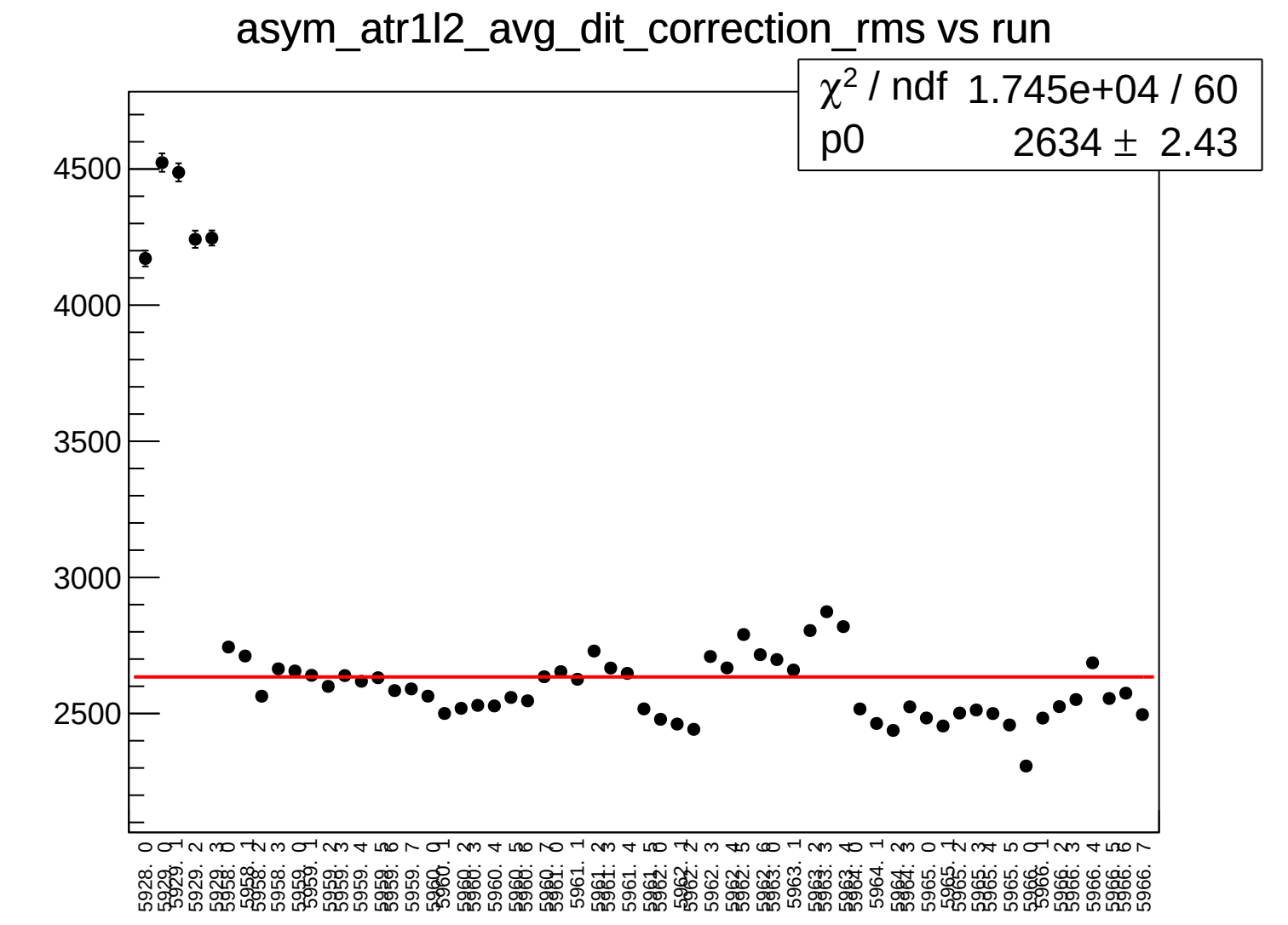

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 47.26 / 60
p0 −4961 ± 2208
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 16.85
Std Dev 35.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2

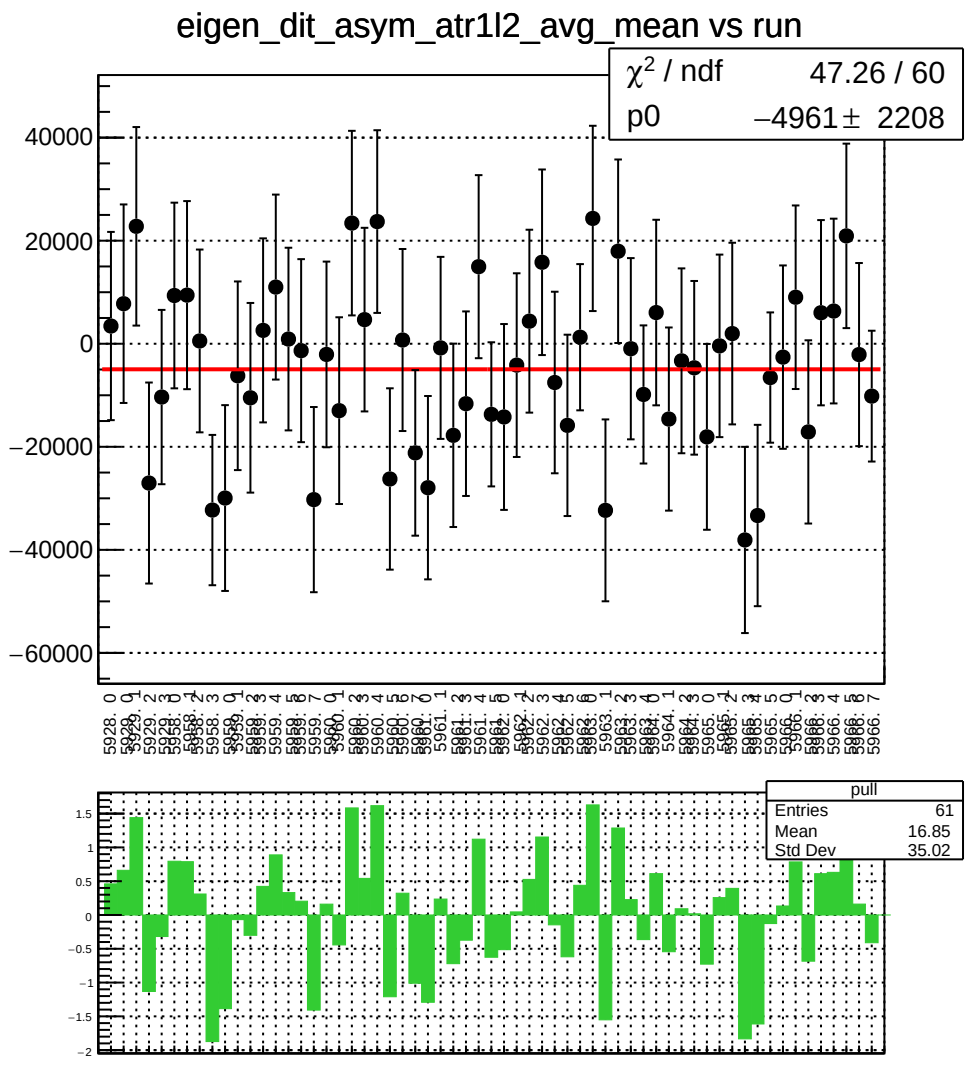

pull1D
Entries 61
Mean 0.01715
Std Dev 0.88
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

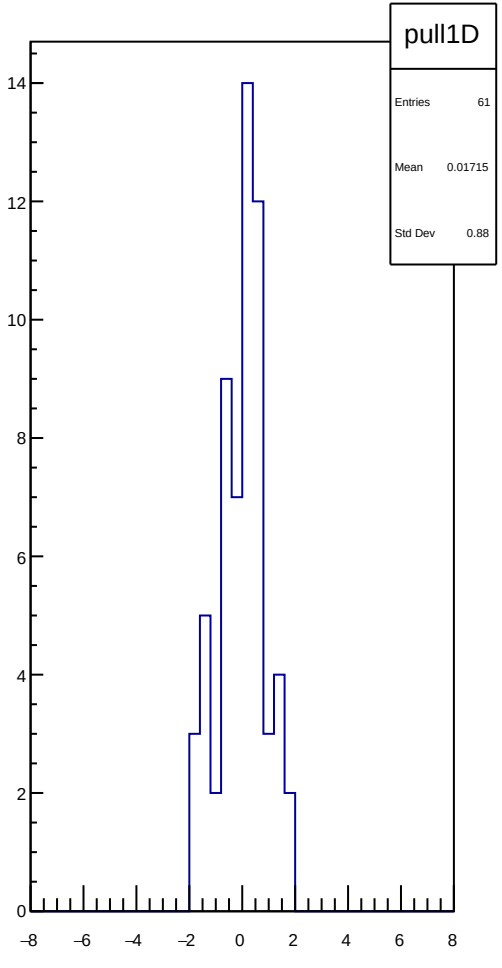

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 661.8 / 60
p0 1704 ± 1.561
1850
1800
1750
1700
1650

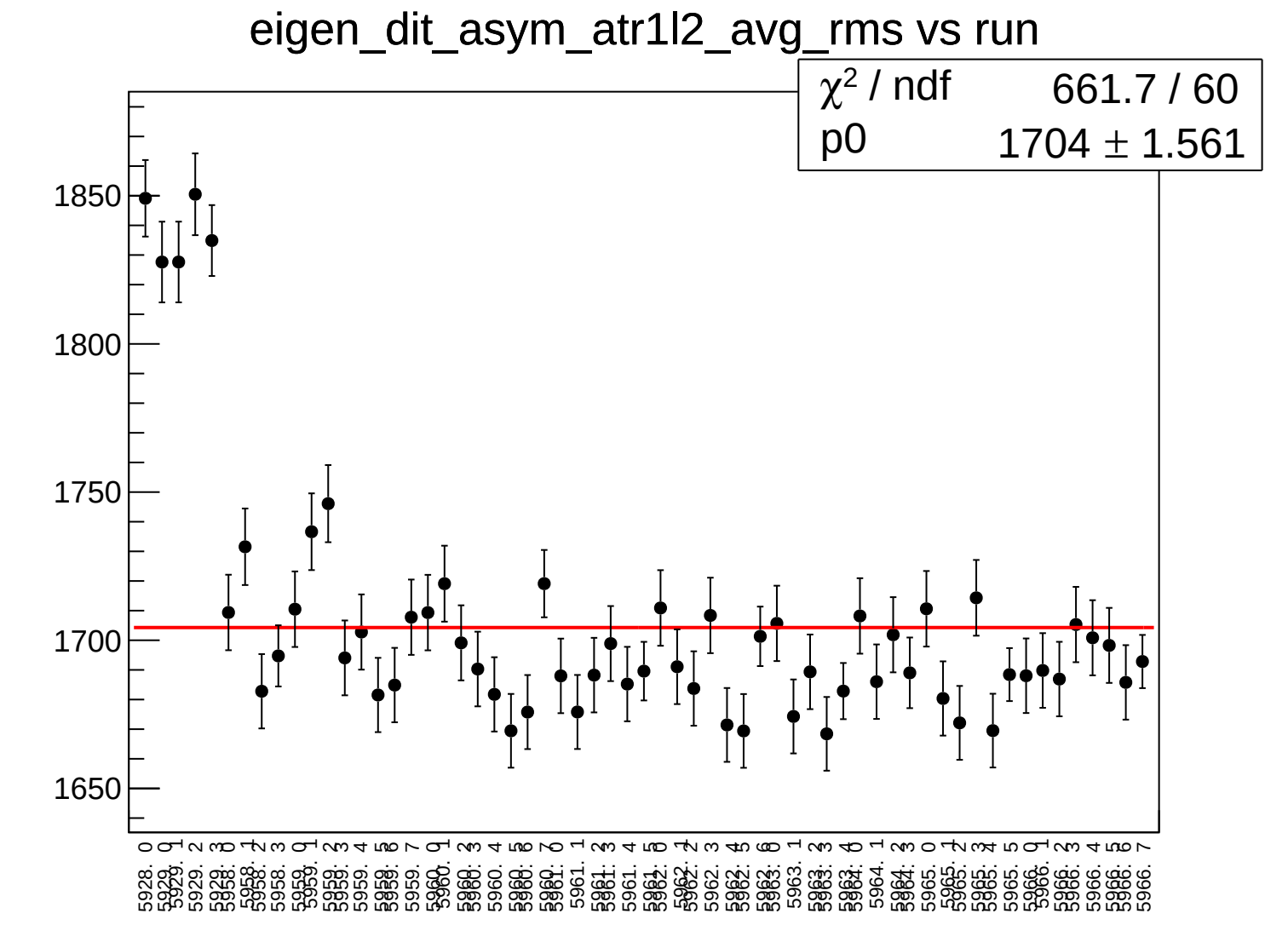

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 61.44 / 60
p0 −1788 ± 3437
pull
Entries 61
Mean −546.7
Std Dev 0

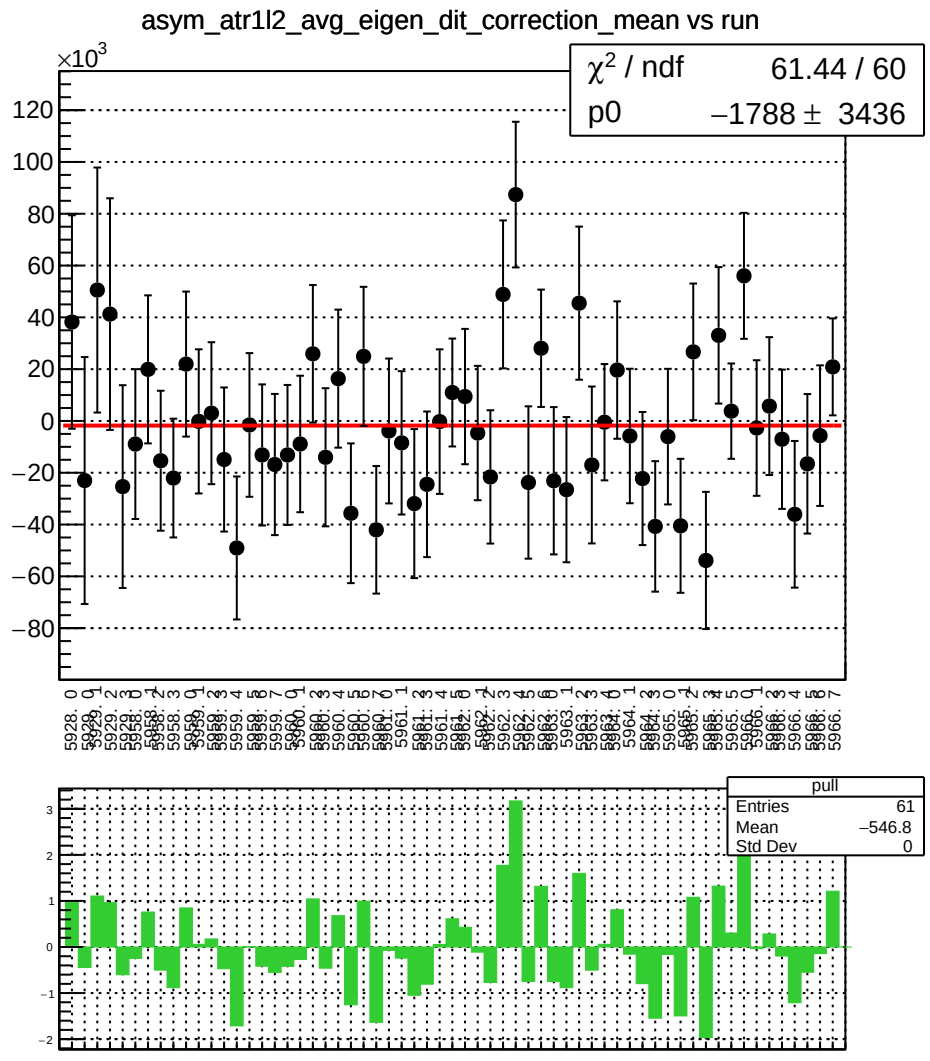

pull1D
Entries 61
Mean −0.0007239
Std Dev 1.004

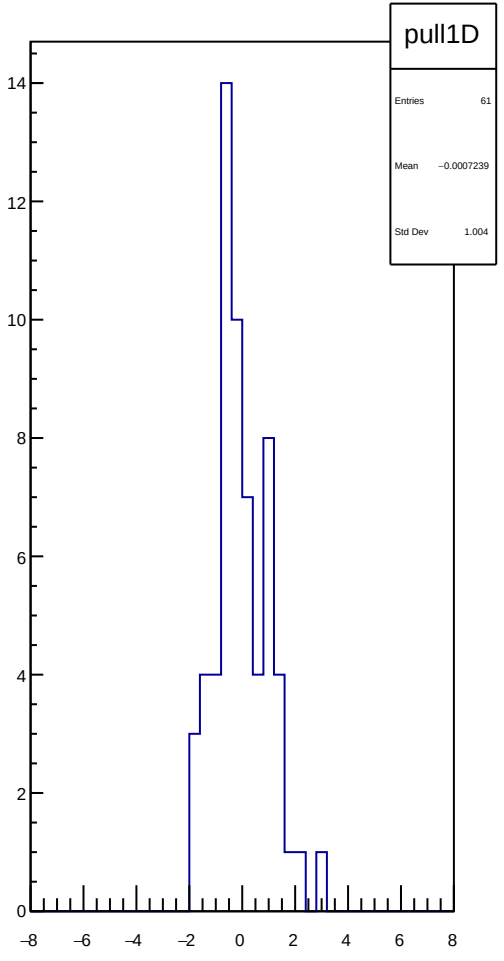

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 60
p0 2634 ± 2.43
4500
4000
3500
3000
2500

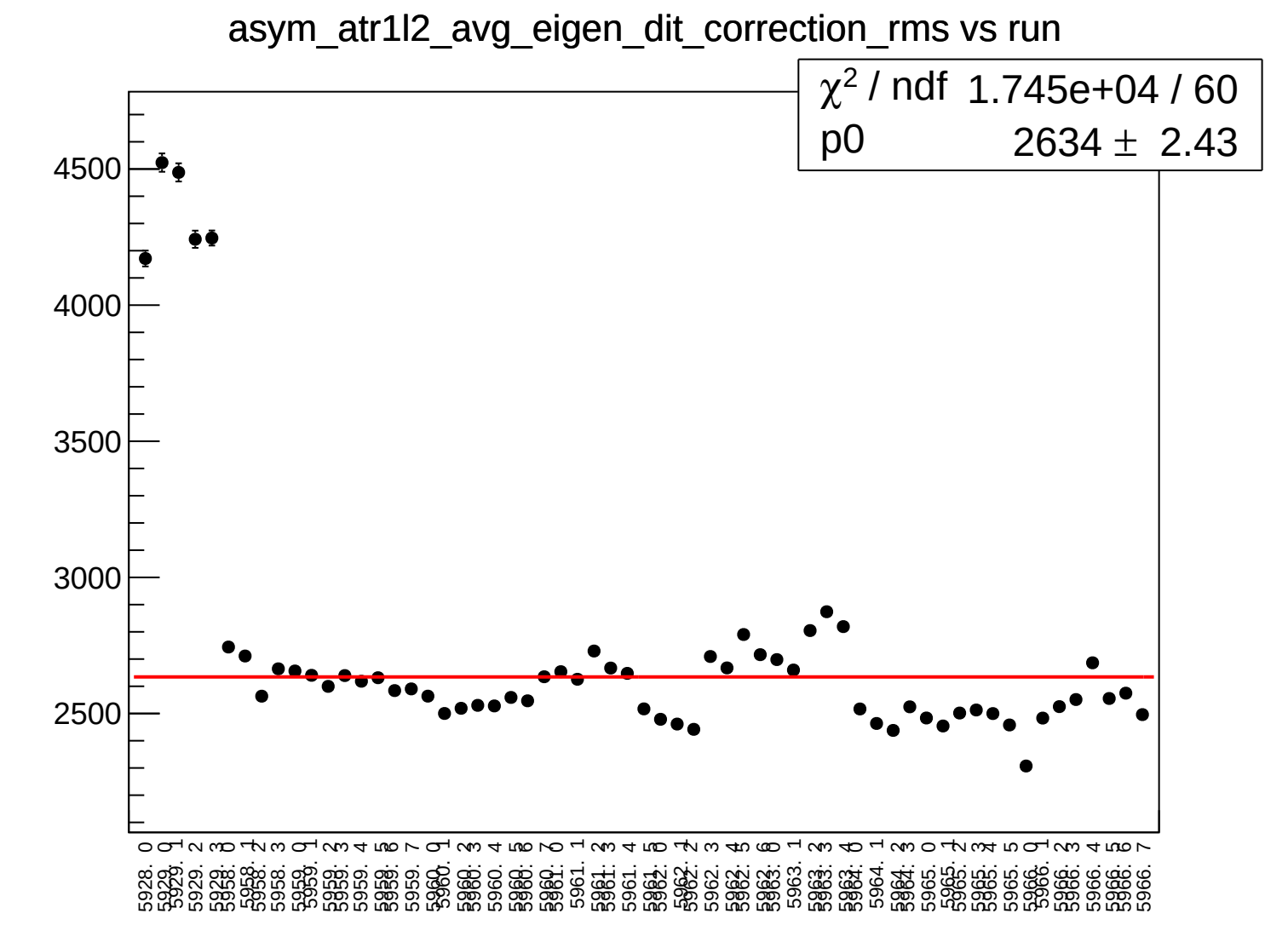

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 47.26 / 60
p0 −4961 ± 2208
pull
Entries 61
Mean 16.85
Std Dev 35.02

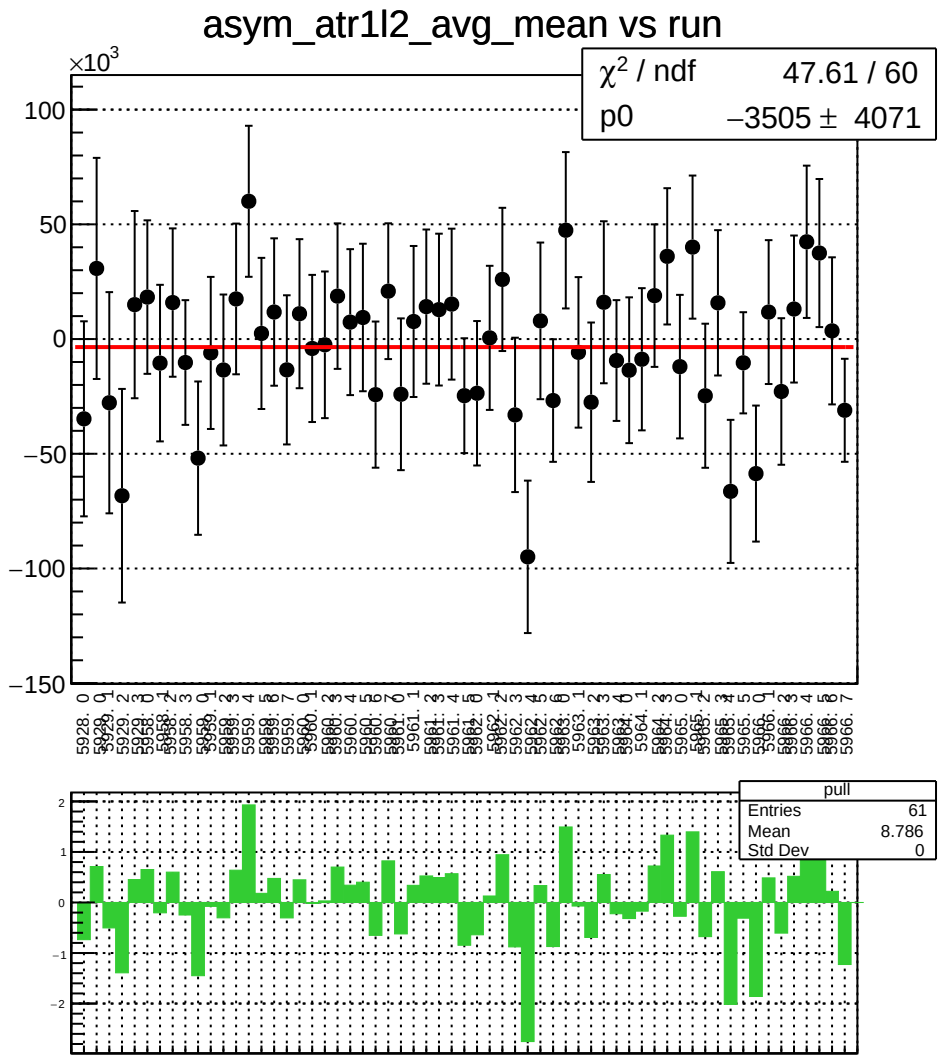

pull1D
Entries 61
Mean 0.01715
Std Dev 0.88

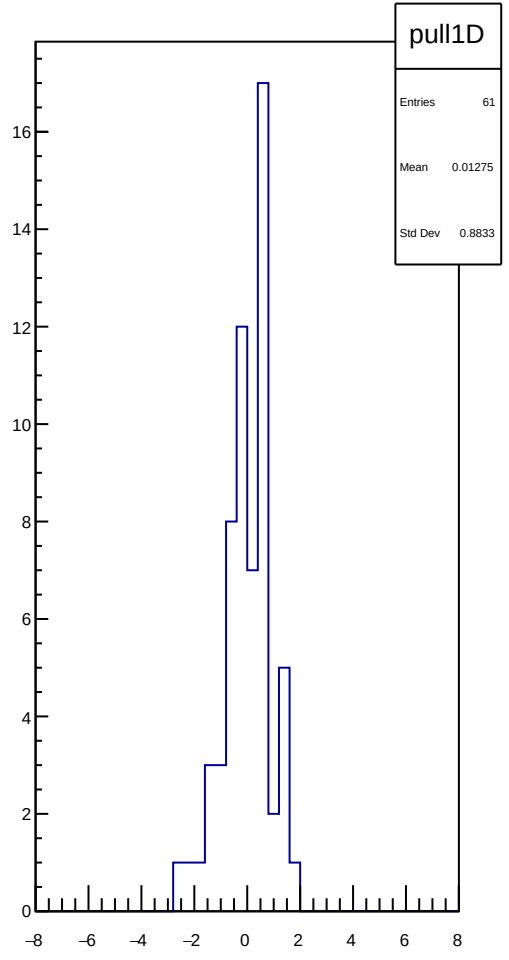

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 661.7 / 60
p0 1704 ± 1.561
1850
1800
1750
1700
1650

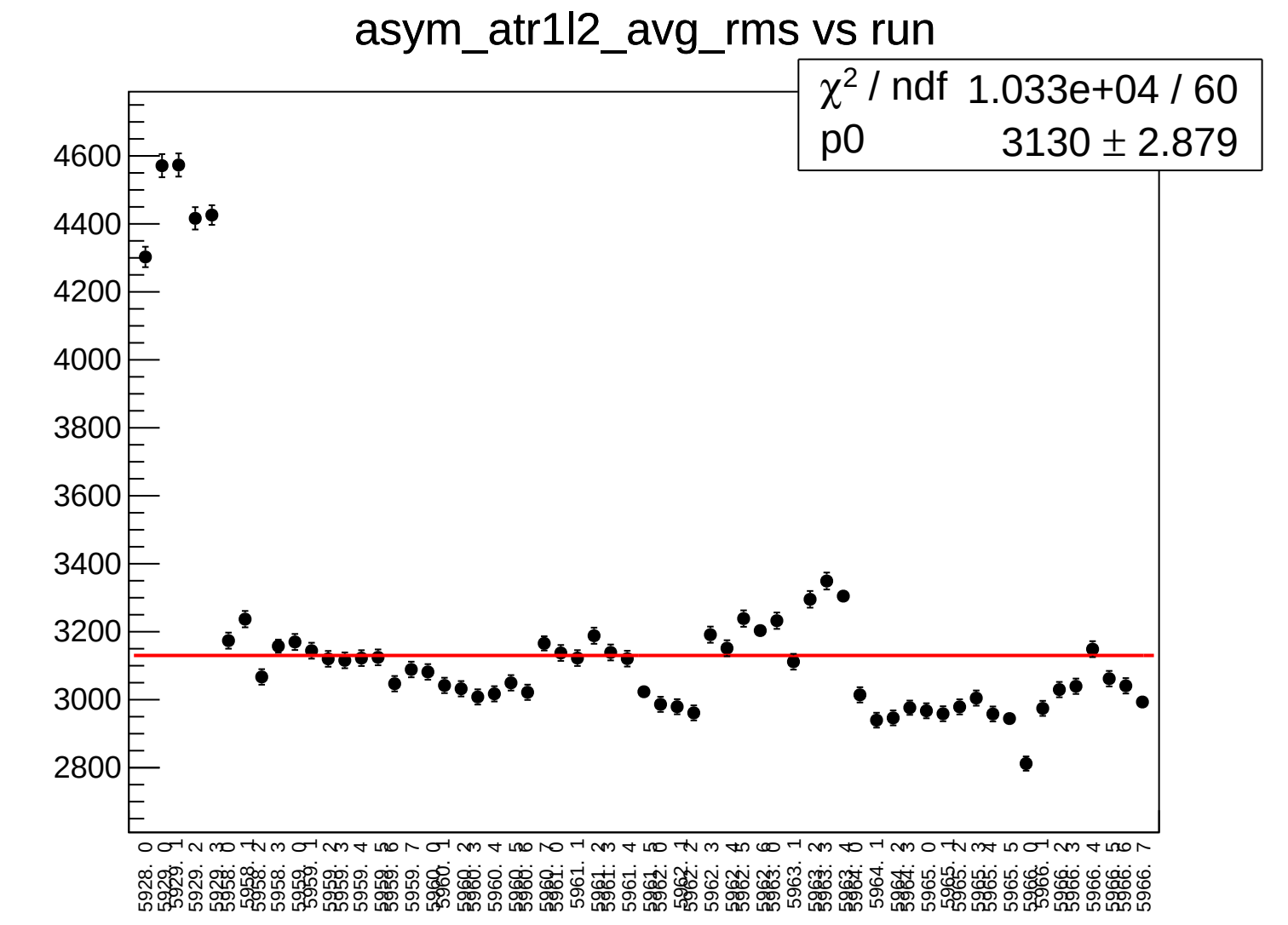

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.44 / 60
p0 −1788 ± 3436
pull
Entries 61
Mean −546.8
Std Dev 0

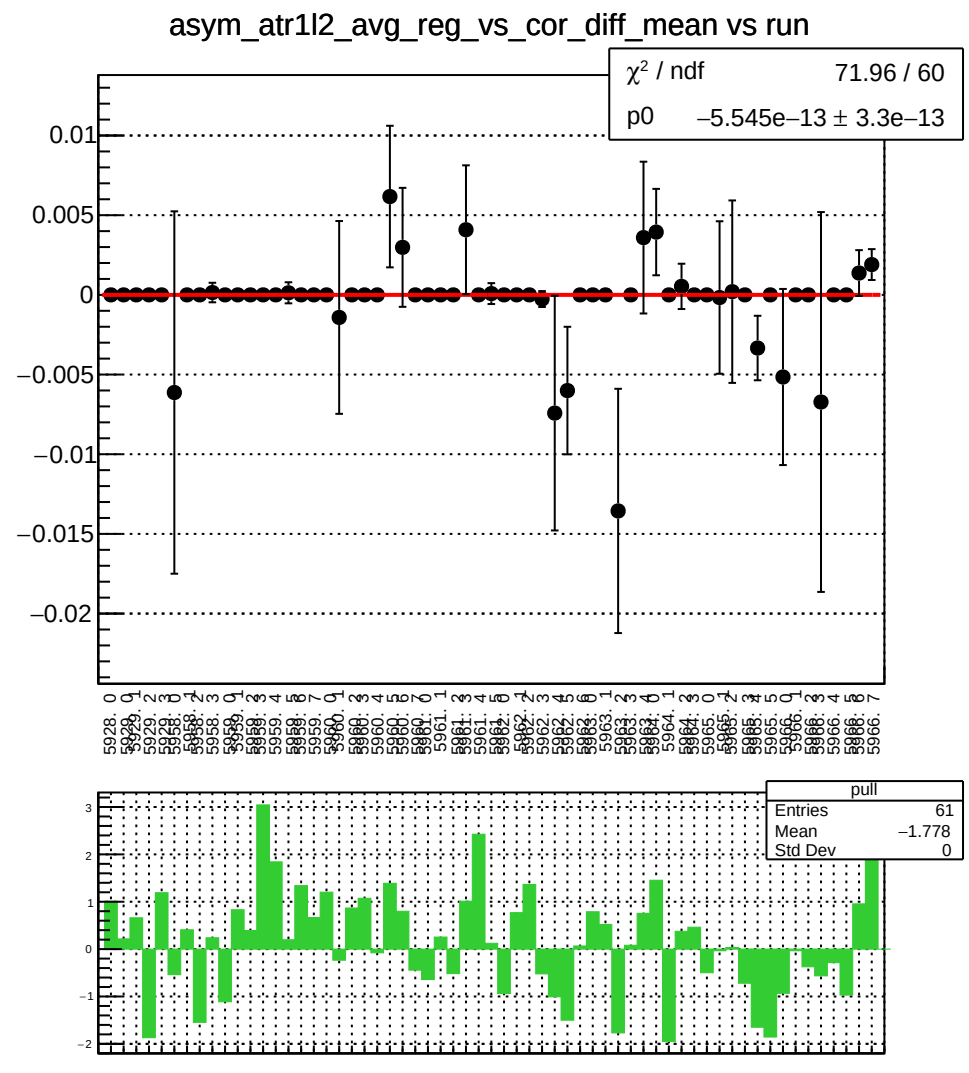

pull1D
Entries 61
Mean −0.0007239
Std Dev 1.004

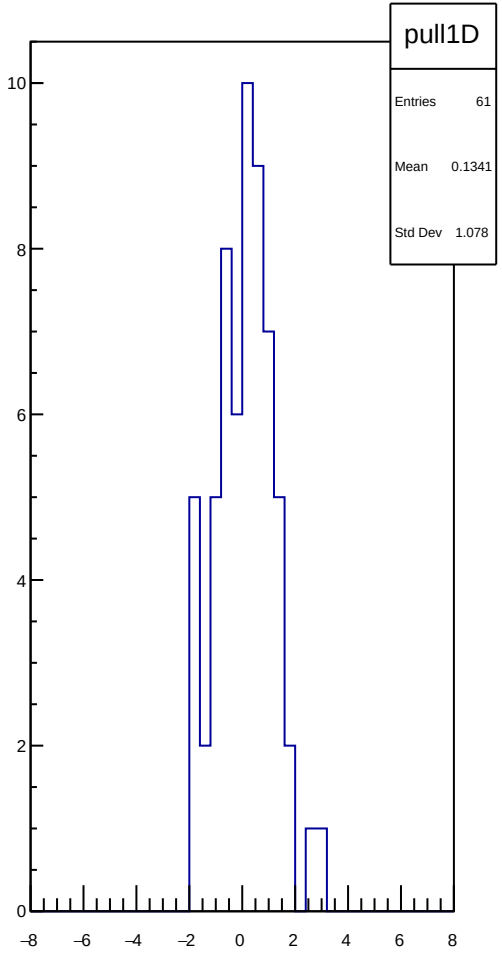

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.745e+04 / 60
p0 2634 ± 2.43
4500
4000
3500
3000
2500

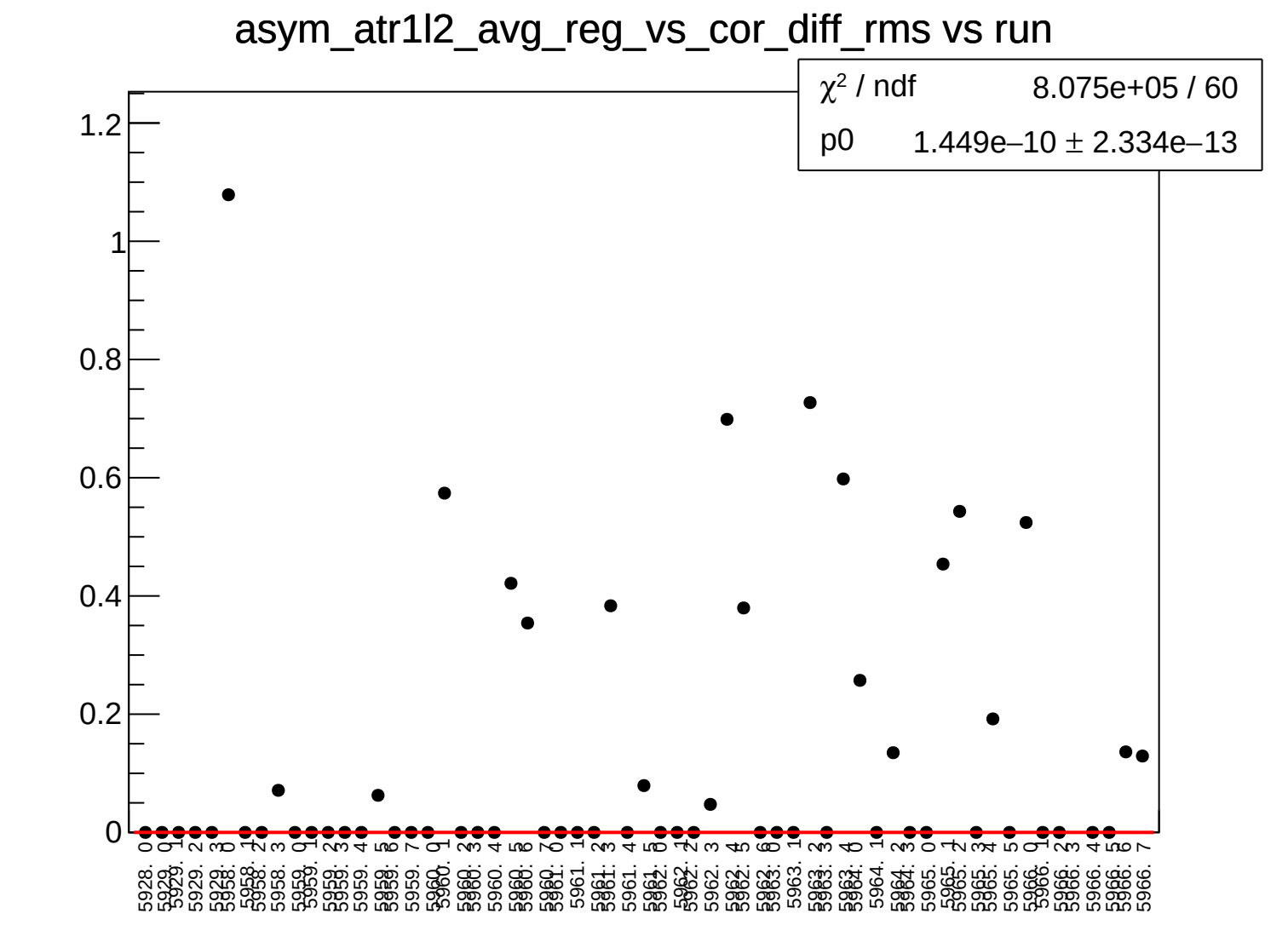

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 47.61 / 60
p0 −3505 ± 4071
100
50
0
−50
−100
−150
pull
Entries 61
Mean 8.786
Std Dev 0
2
1
0
−1
−2

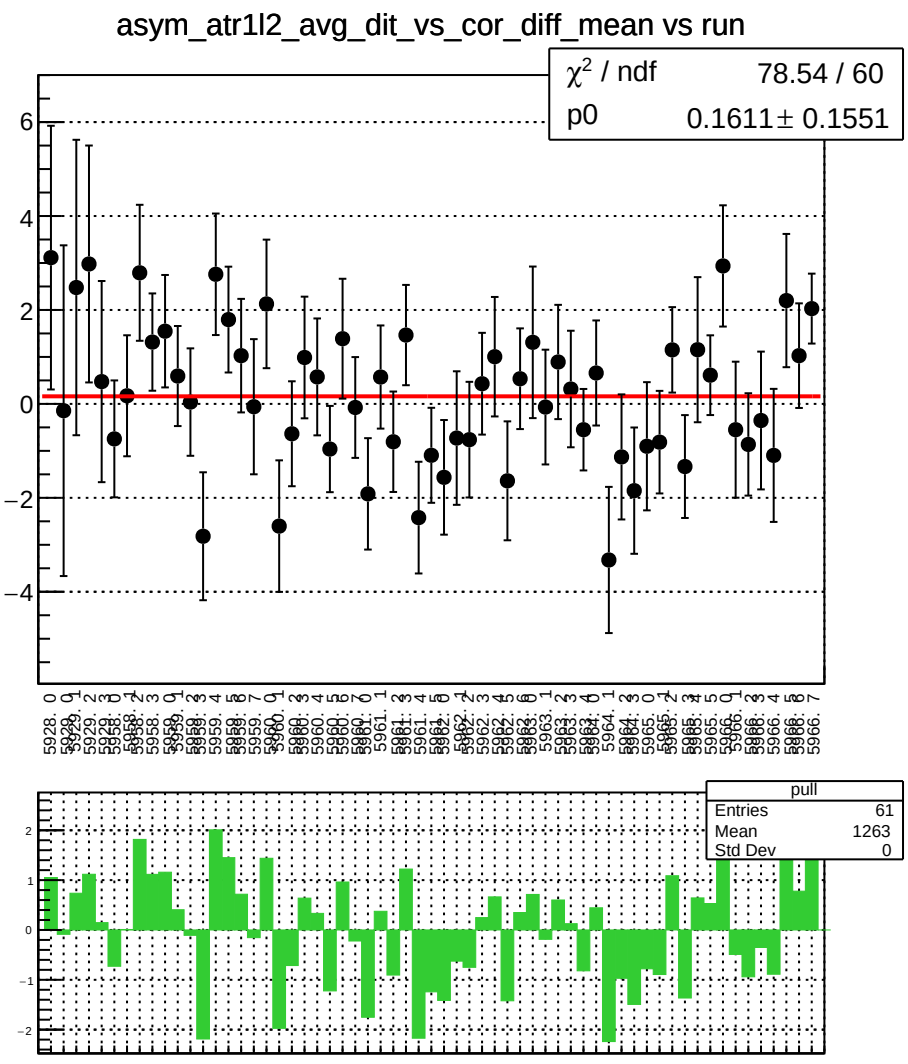

pull1D
Entries 61
Mean 0.01275
Std Dev 0.8833
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

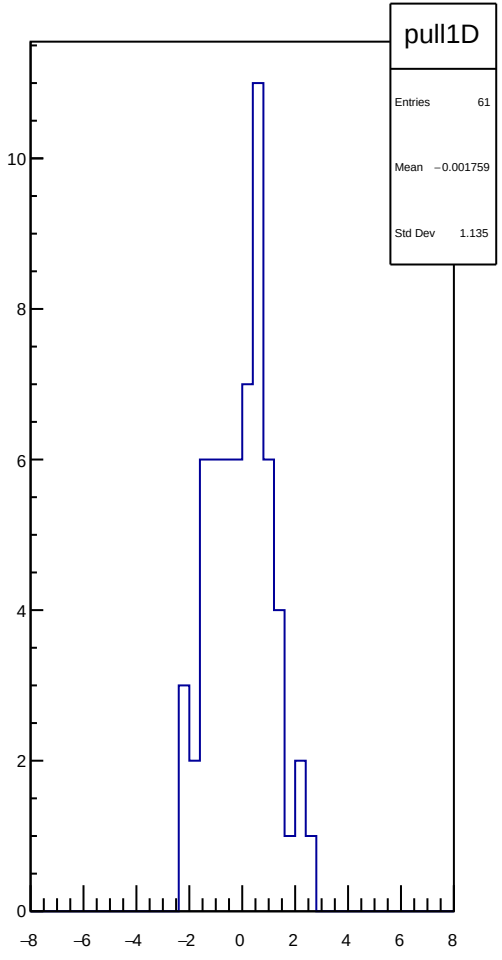

asym_atr1l2_avg_rms vs run
χ² / ndf 1.033e+04 / 60
p0 3130 ± 2.879
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

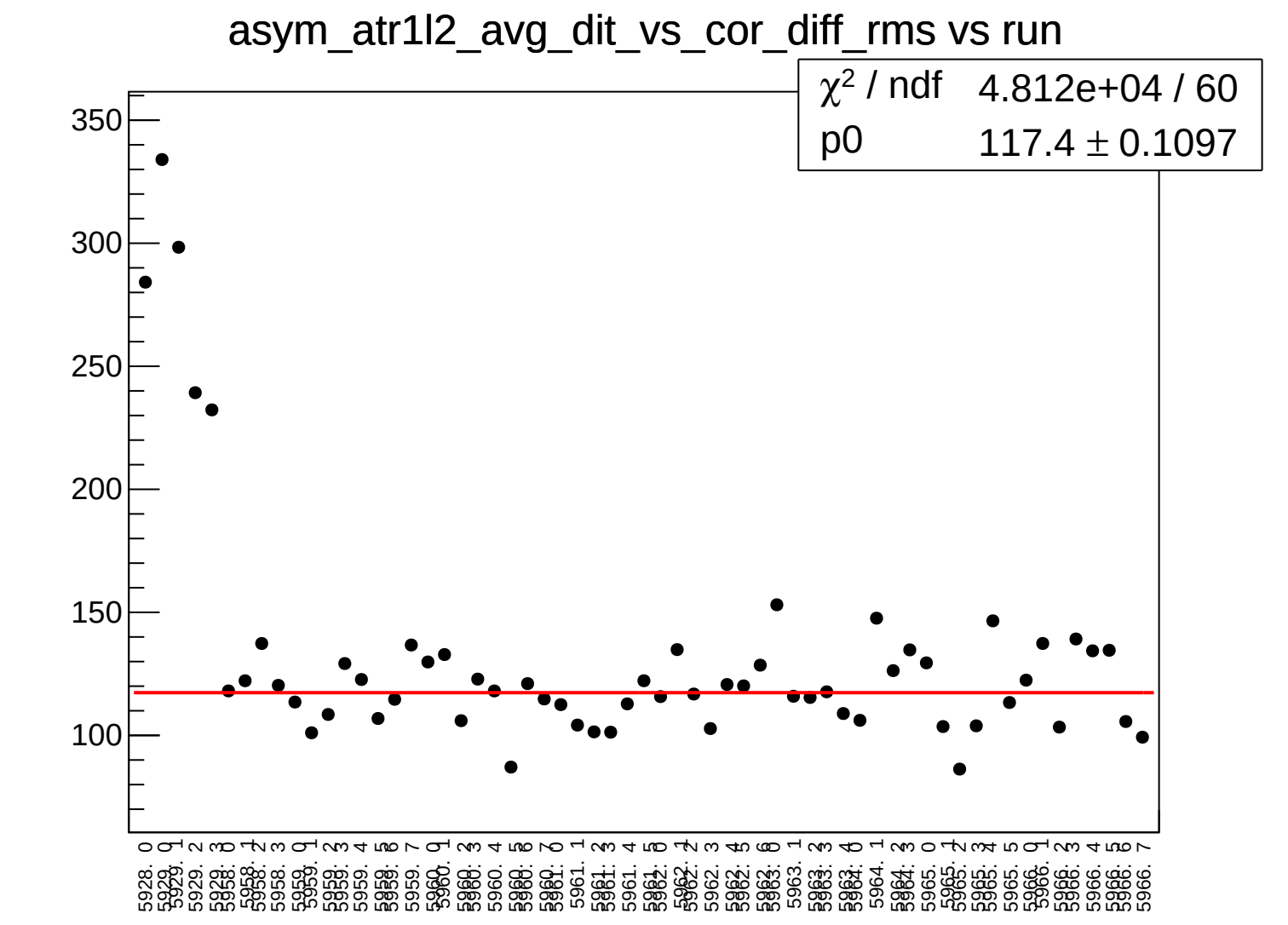

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 71.96 / 60
p0 −5.545e−13 ± 3.3e−13
pull
Entries 61
Mean −1.778
Std Dev 0

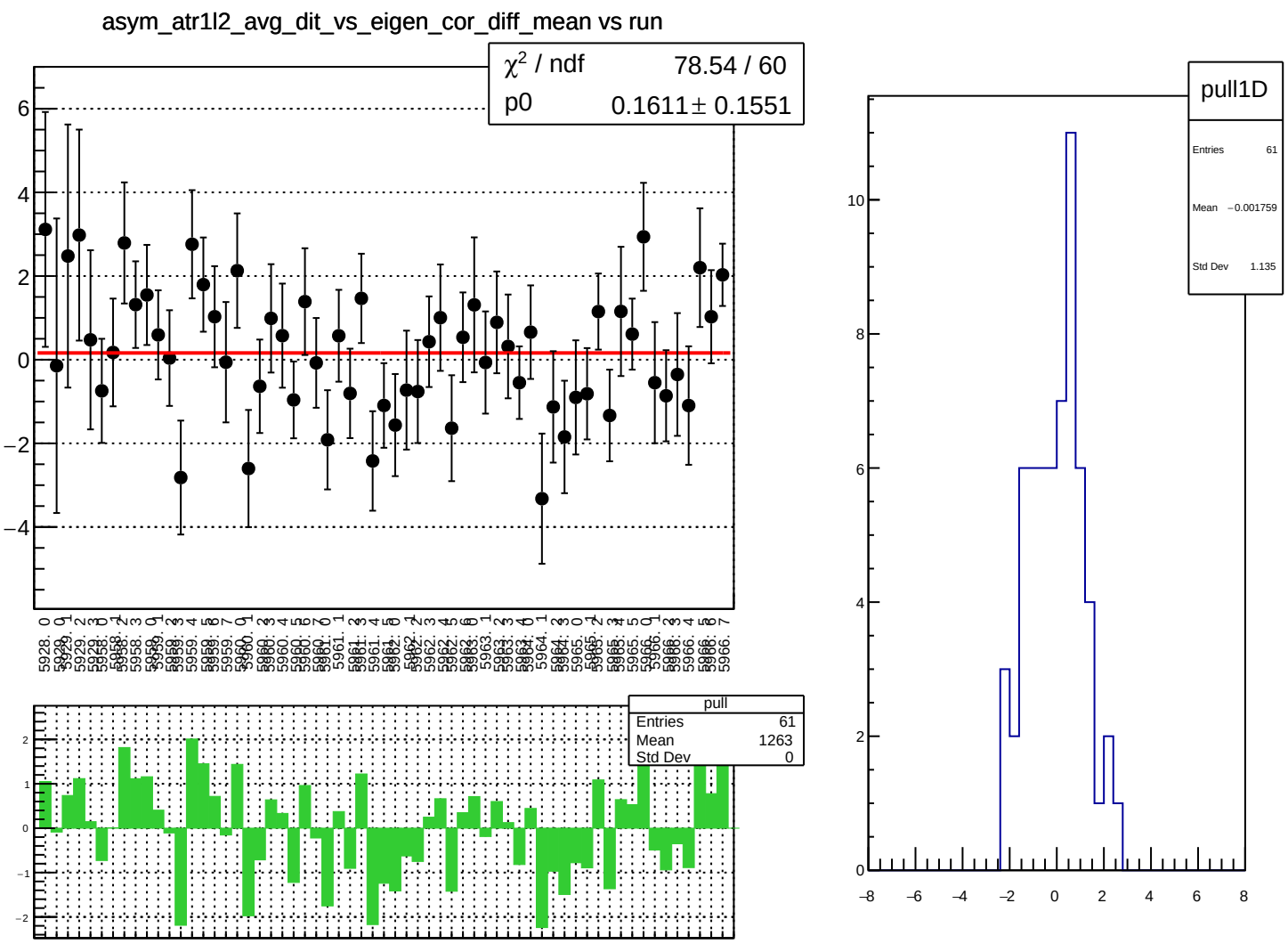

pull1D
Entries 61
Mean 0.1341
Std Dev 1.078

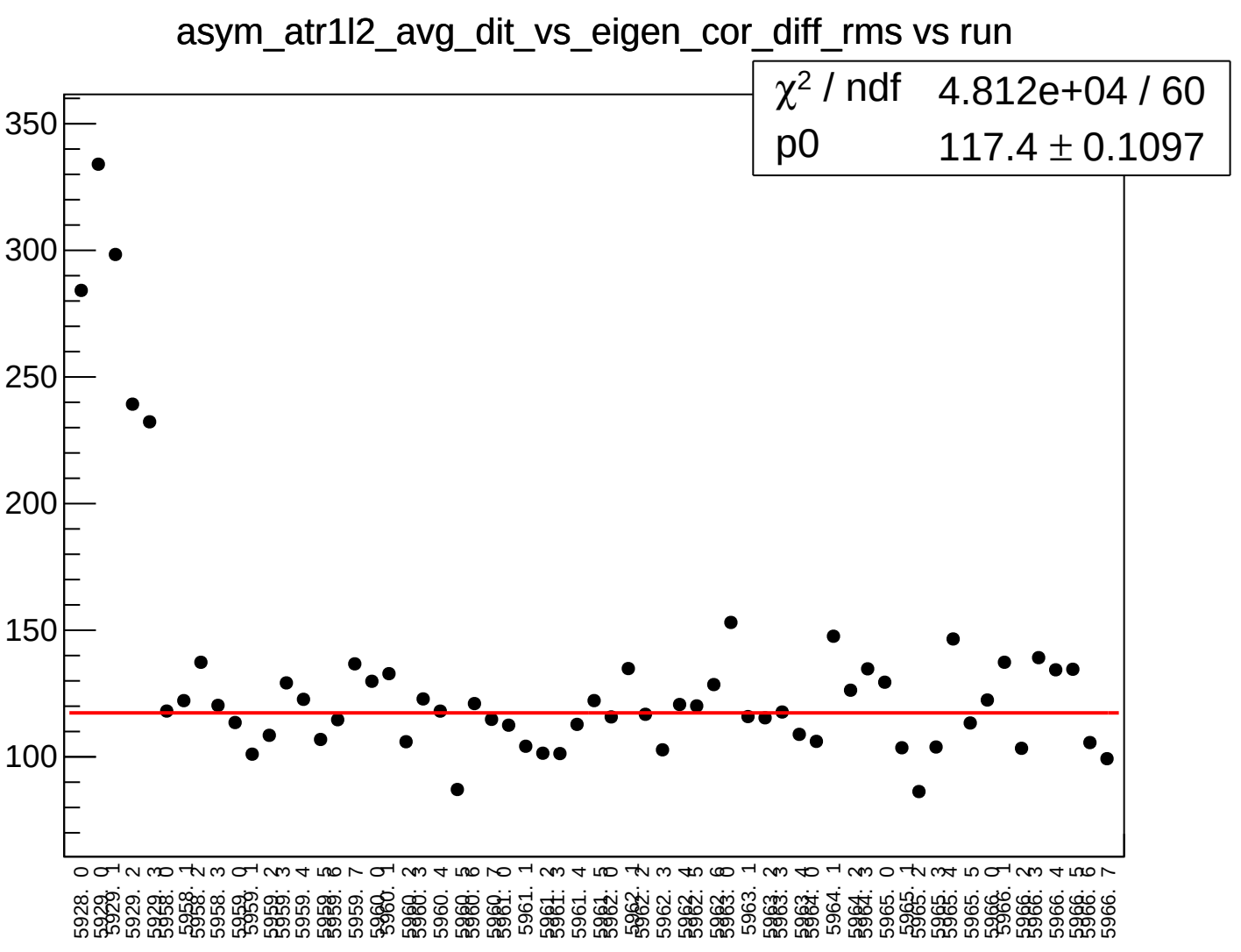

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.075e+05 / 60
p0 1.449e−10 ± 2.334e−13
1.2
1
0.8
0.6
0.4
0.2
0

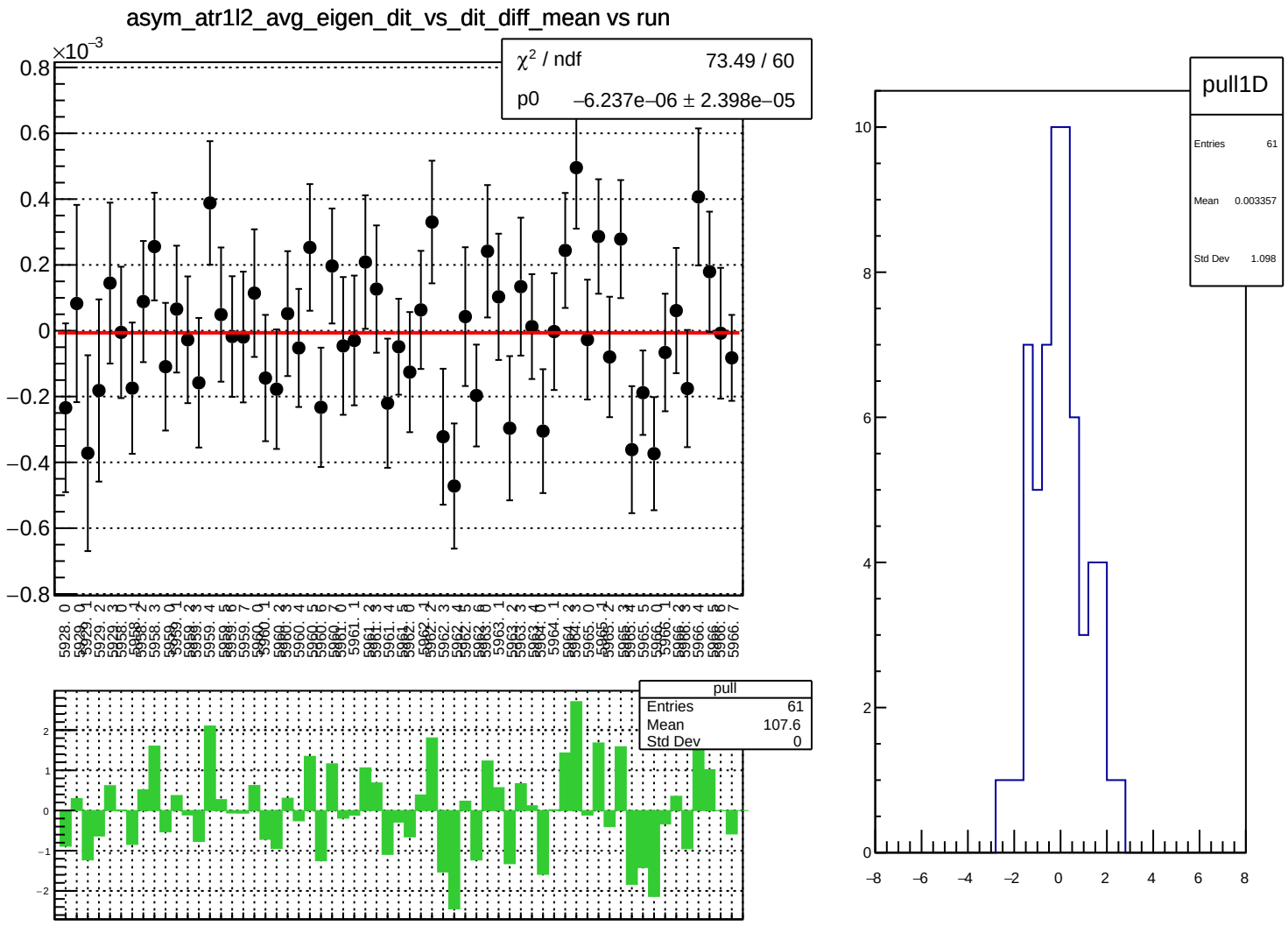

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.54 / 60
p0 0.1611 ± 0.1551
pull
Entries 61
Mean 1263
Std Dev 0

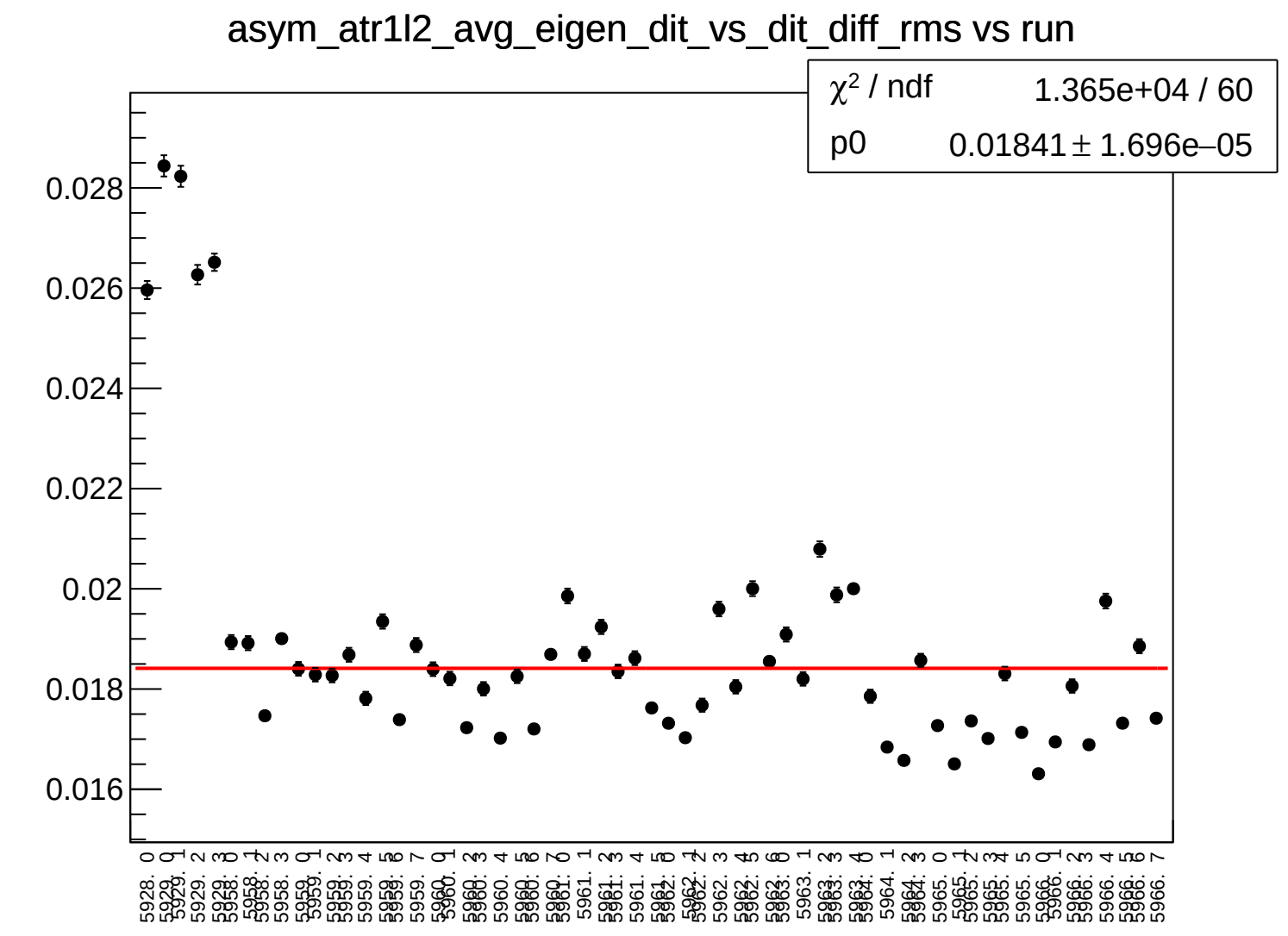

pull1D
Entries 61
Mean −0.001759
Std Dev 1.135

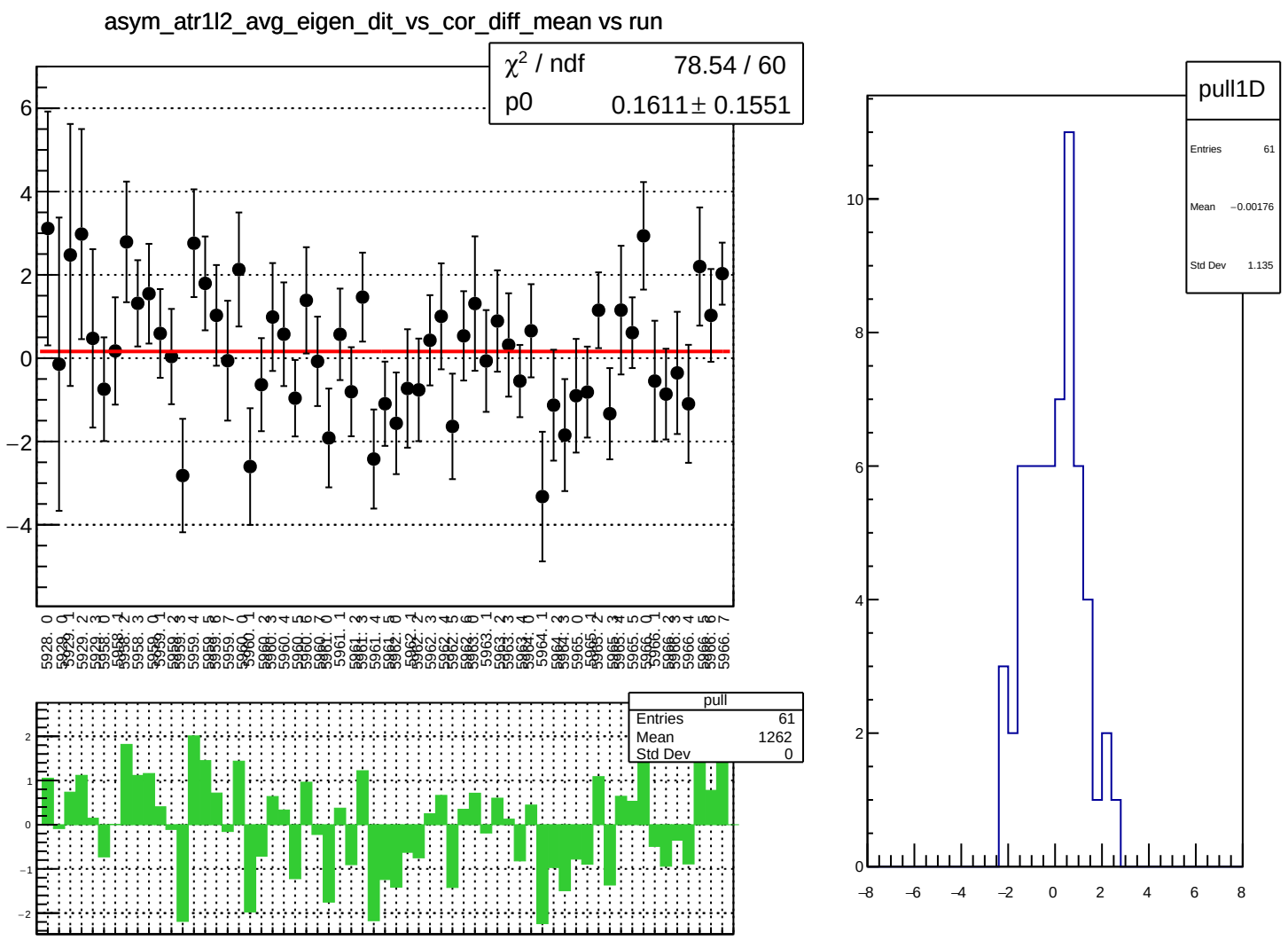

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.812e+04 / 60
p0 117.4 ± 0.1097
350
300
250
200
150
100

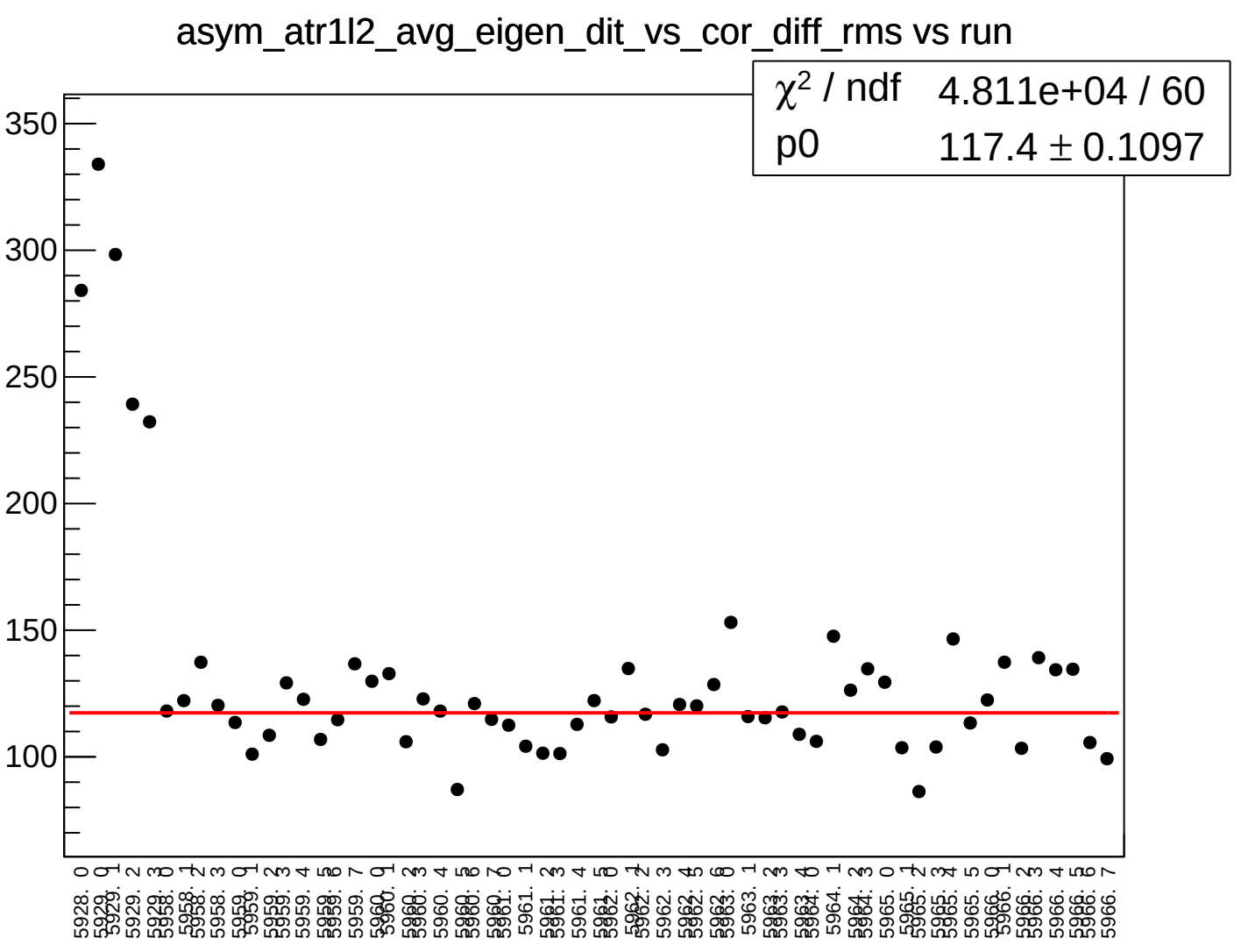

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.54 / 60
p0 0.1611± 0.1551
pull
Entries 61
Mean 1263
Std Dev 0
pull1D
Entries 61
Mean −0.001759
Std Dev 1.135

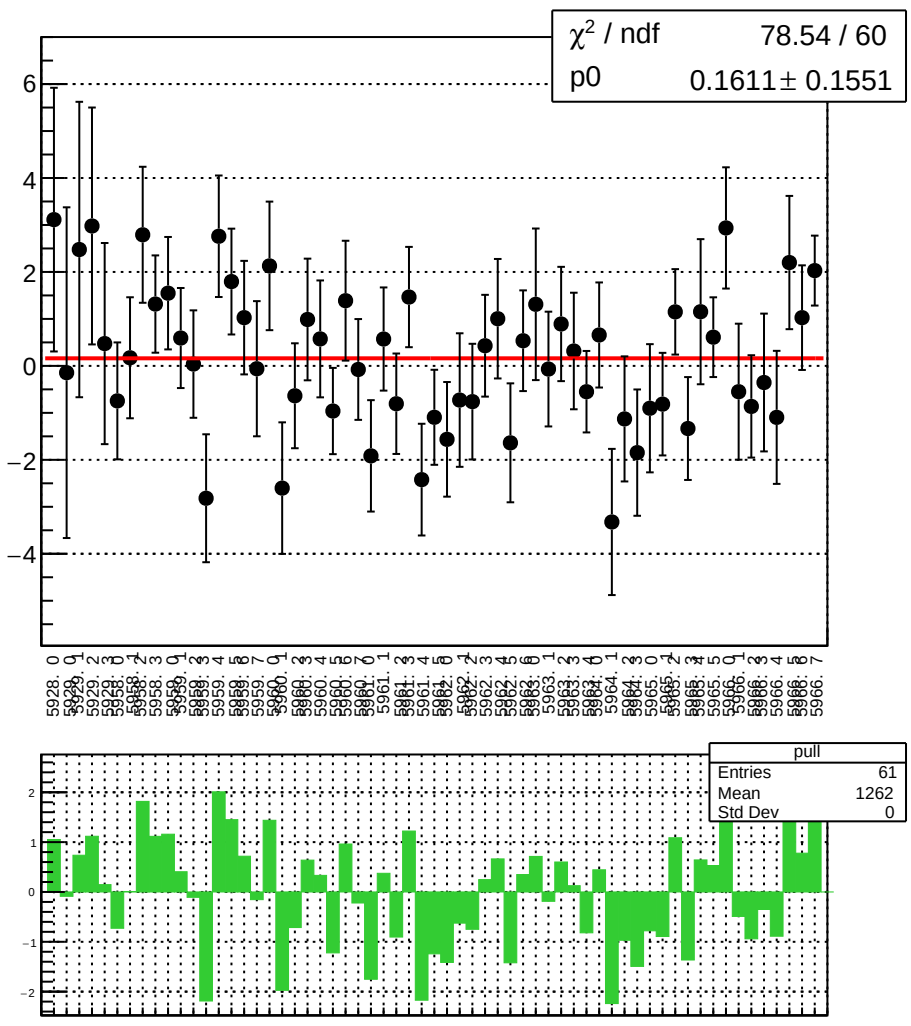

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.812e+04 / 60
p0 117.4 ± 0.1097
350
300
250
200
150
100

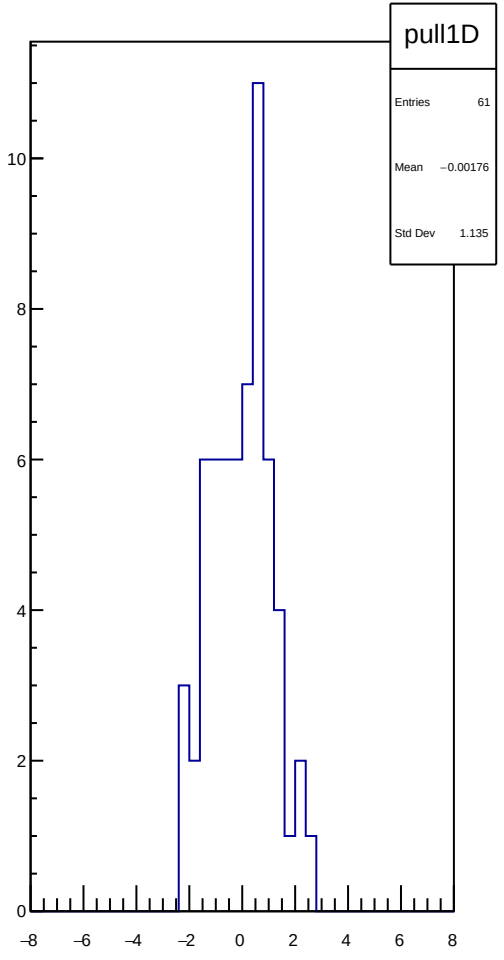

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.49 / 60
p0 −6.237e−06 ± 2.398e−05
pull
Entries 61
Mean 107.6
Std Dev 0
pull1D
Entries 61
Mean 0.003357
Std Dev 1.098

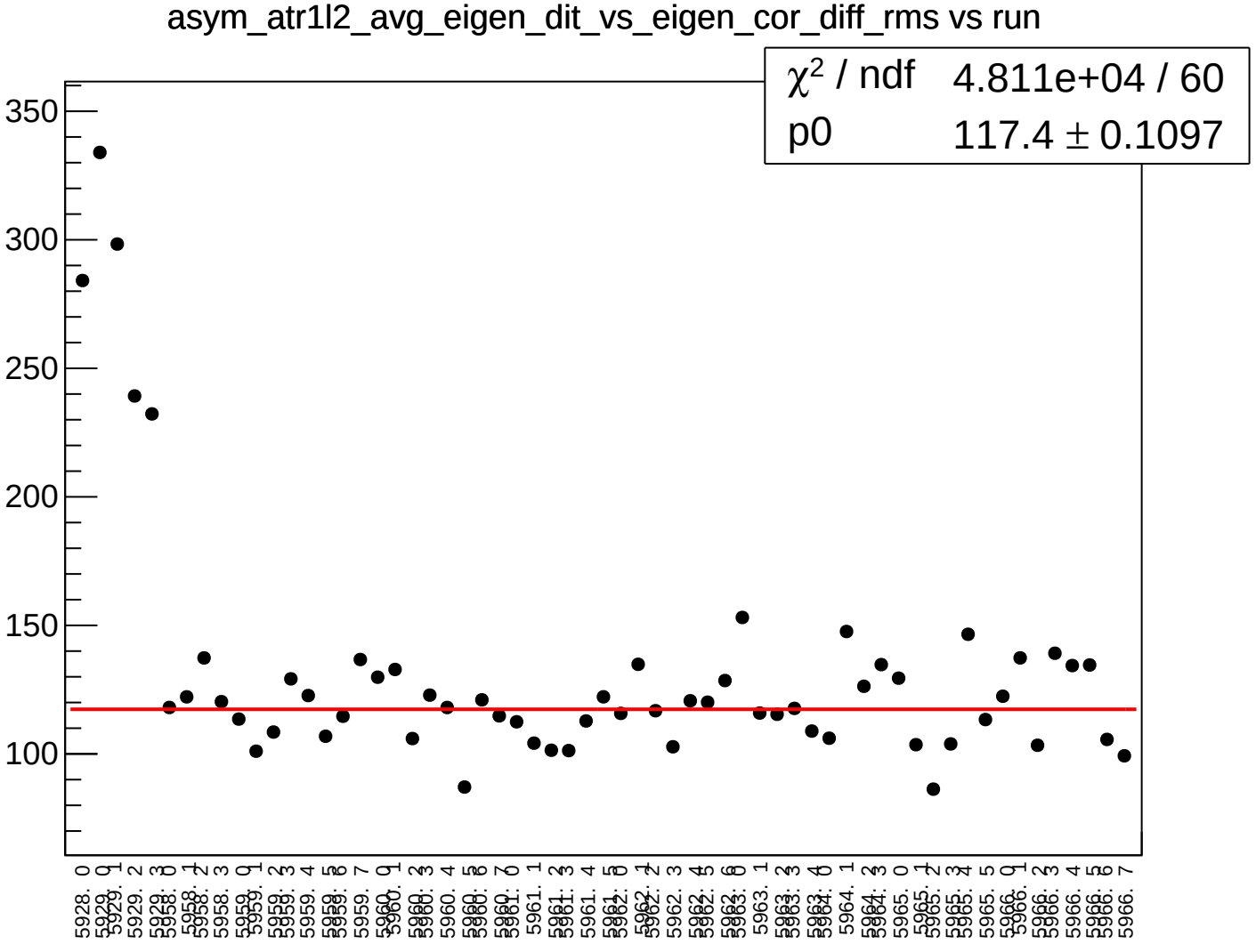

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.365e+04 / 60
p0 0.01841 ± 1.696e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016

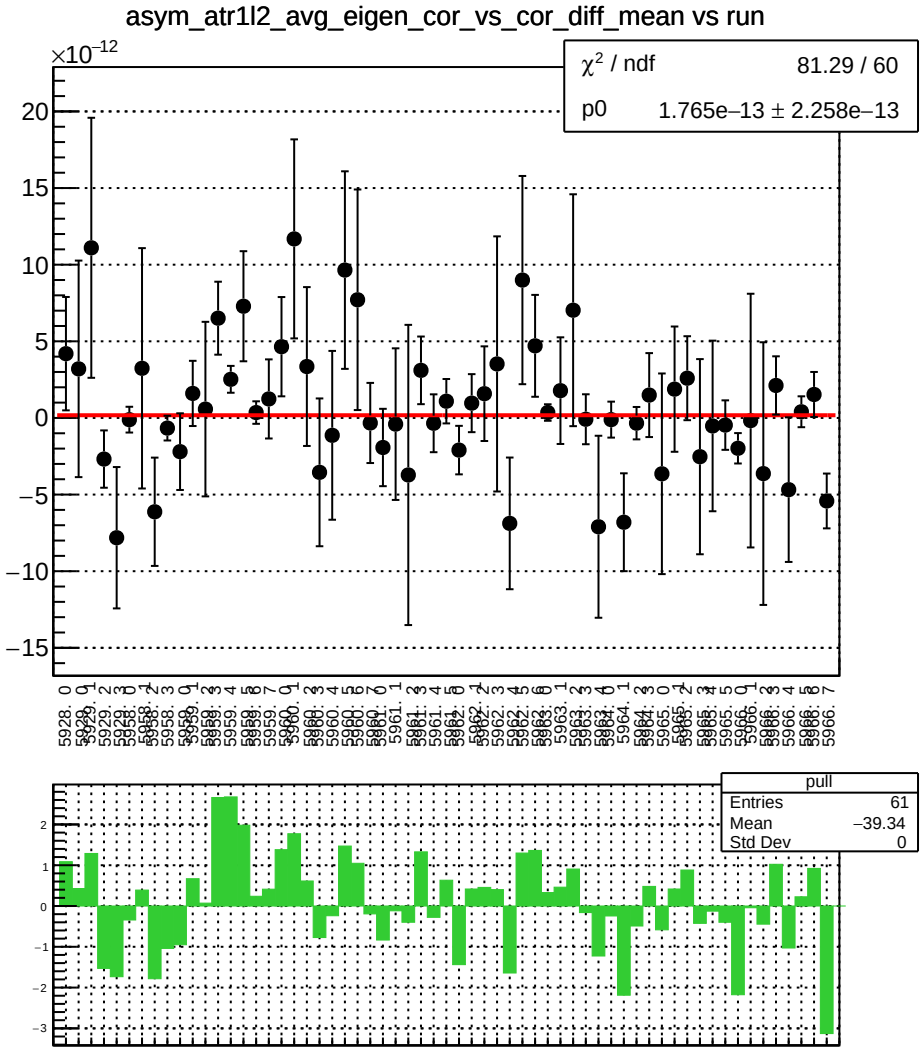

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.54 / 60
p0 0.1611± 0.1551
pull
Entries 61
Mean 1262
Std Dev 0
pull1D
Entries 61
Mean −0.00176
Std Dev 1.135

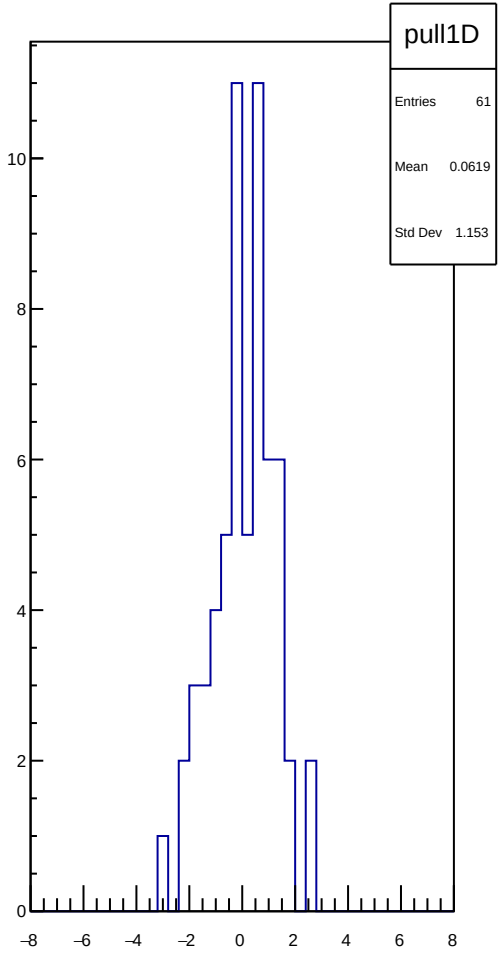

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.811e+04 / 60
p0 117.4 ± 0.1097
350
300
250
200
150
100

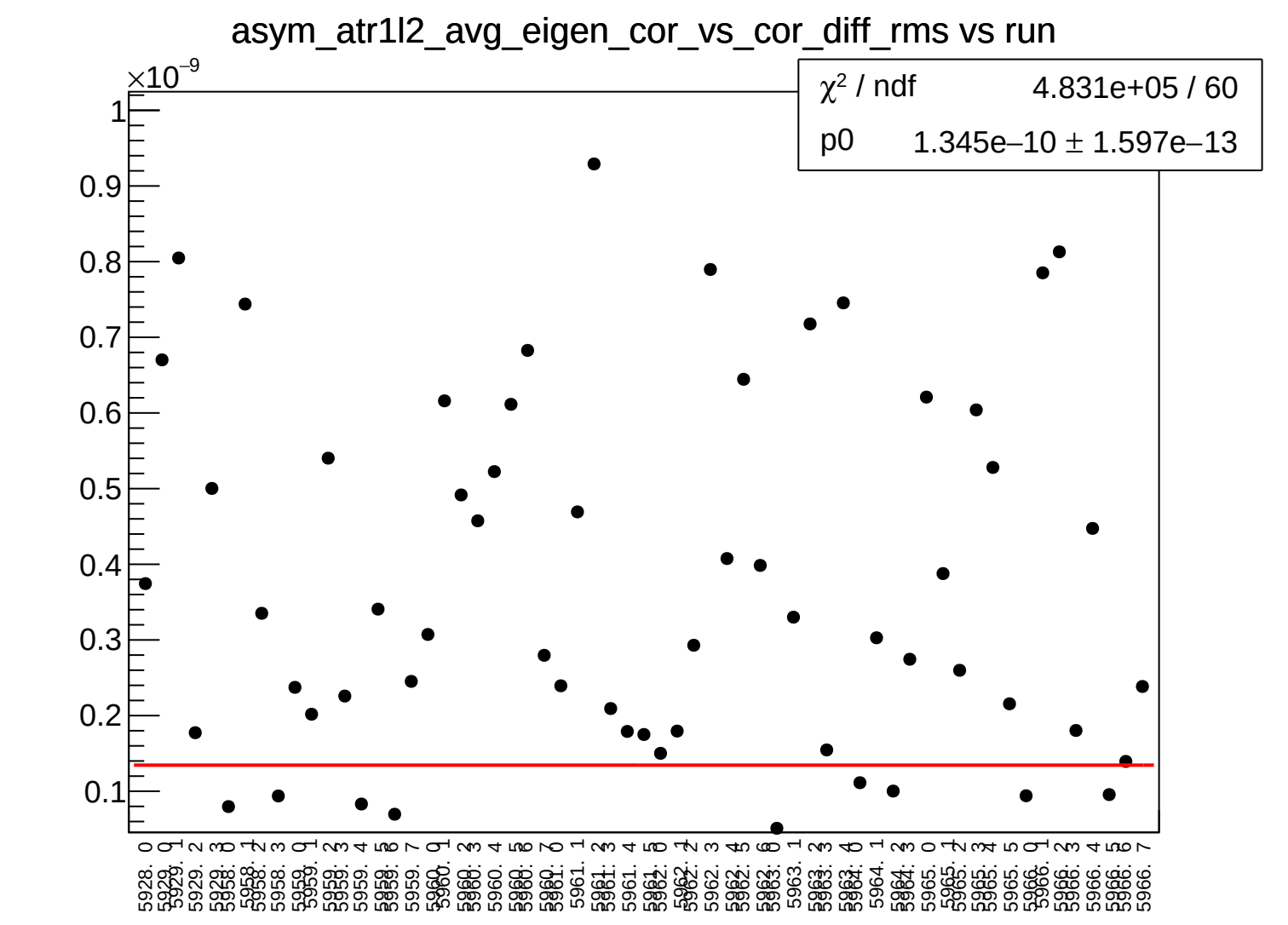

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.54 / 60
p0 0.1611 ± 0.1551
pull
Entries 61
Mean 1262
Std Dev 0

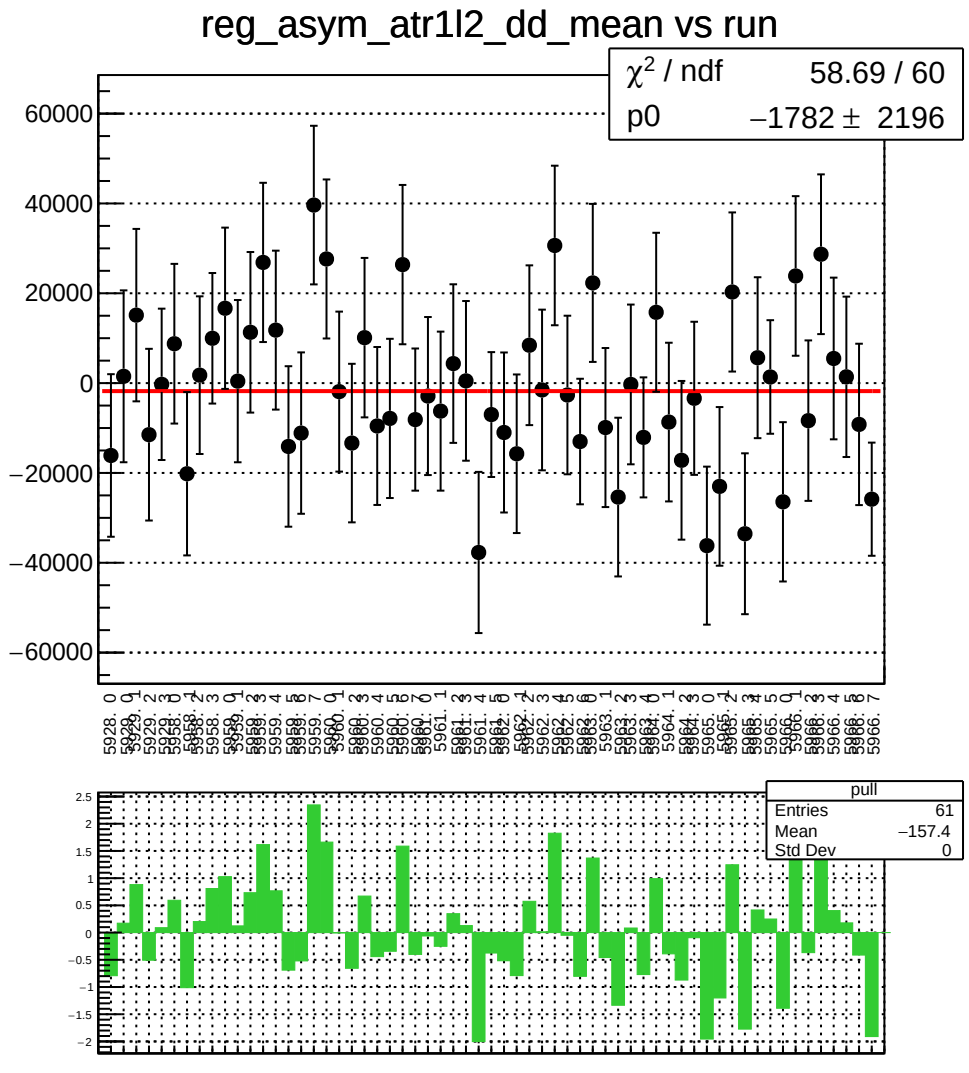

pull1D
Entries 61
Mean −0.00176
Std Dev 1.135

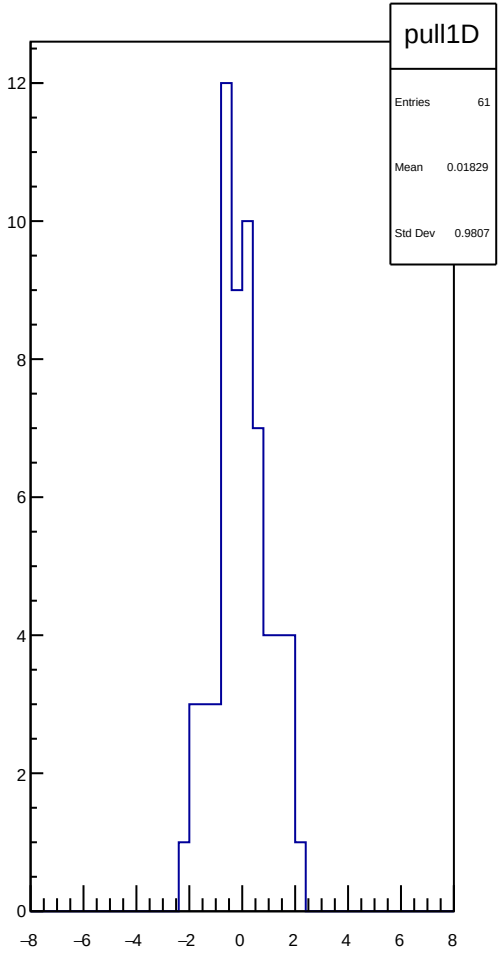

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.811e+04 / 60
p0 117.4 ± 0.1097
350
300
250
200
150
100

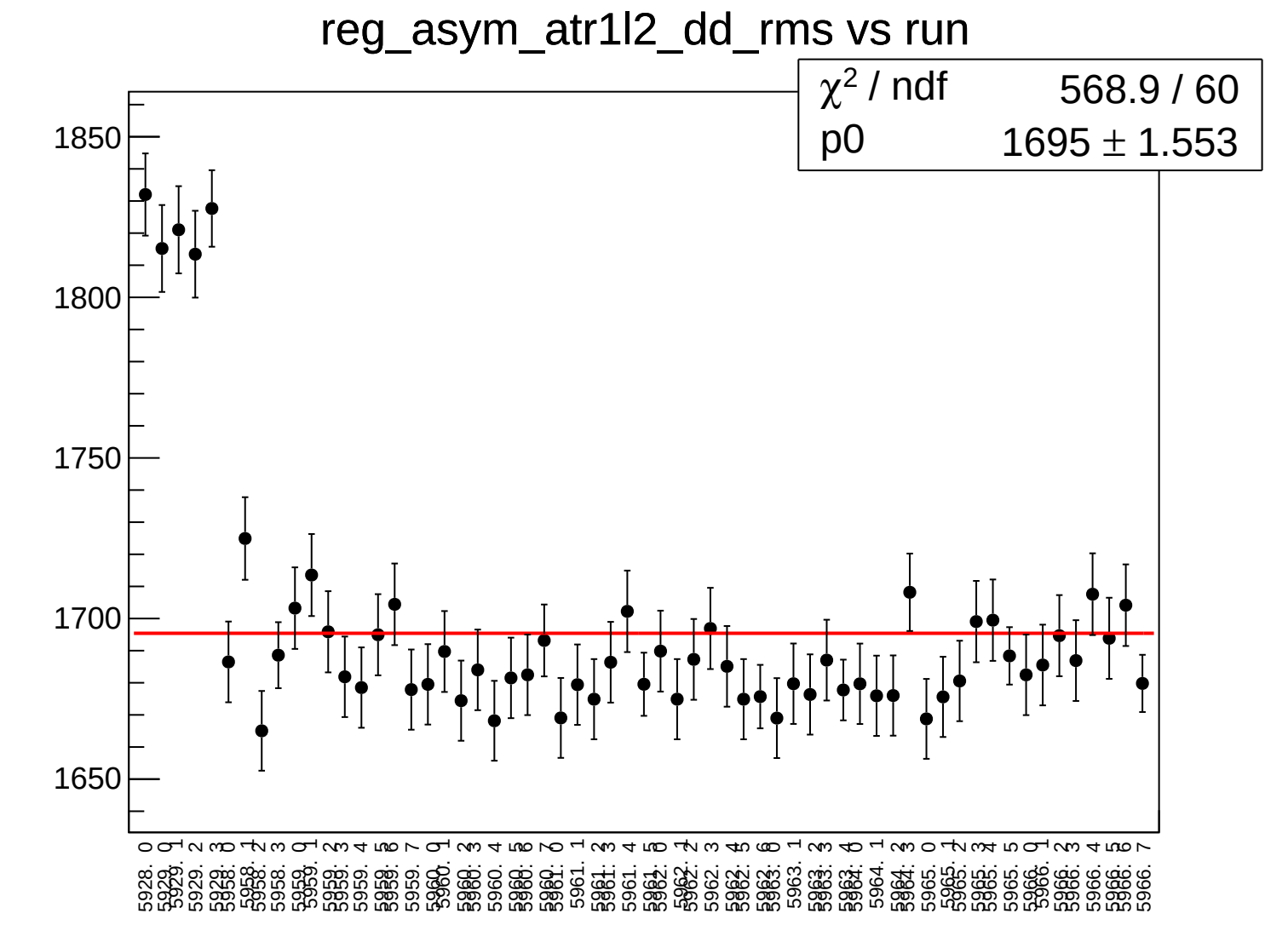

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 81.29 / 60
p0 1.765e−13 ± 2.258e−13
pull
Entries 61
Mean −39.34
Std Dev 0

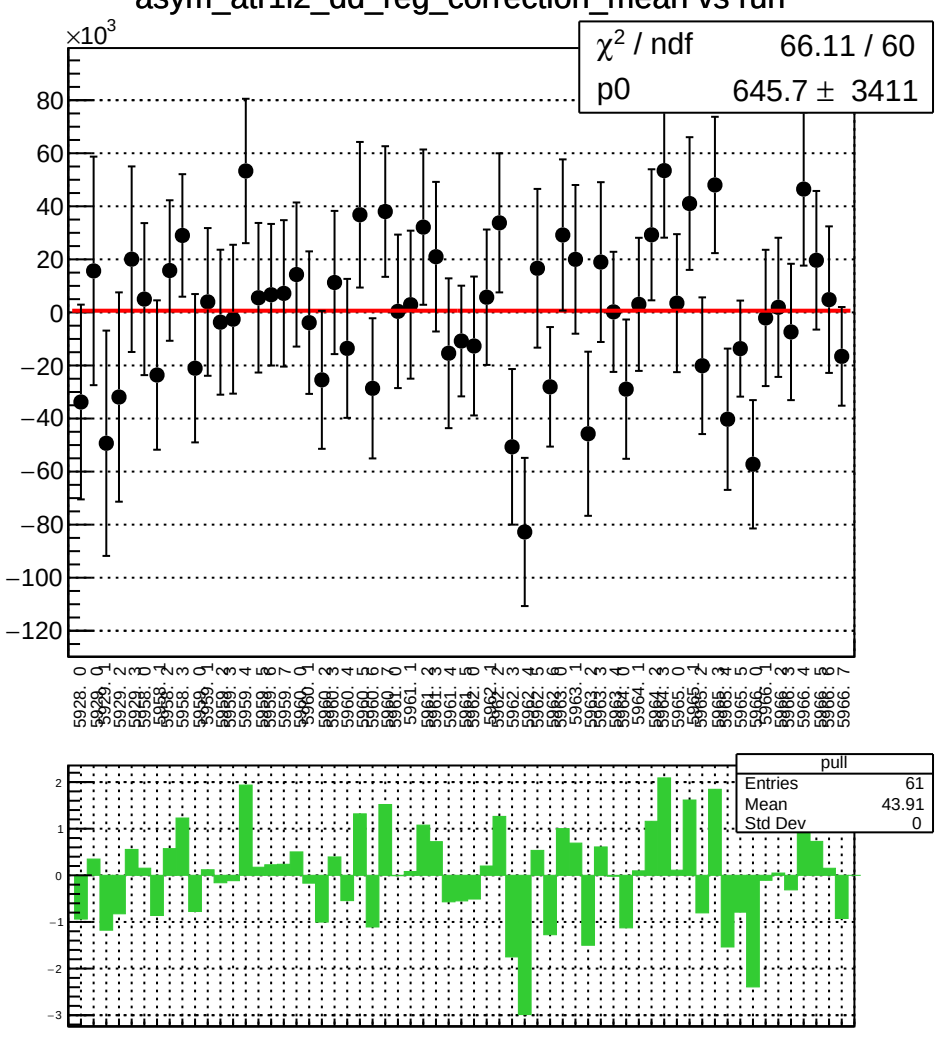

pull1D
Entries 61
Mean 0.0619
Std Dev 1.153

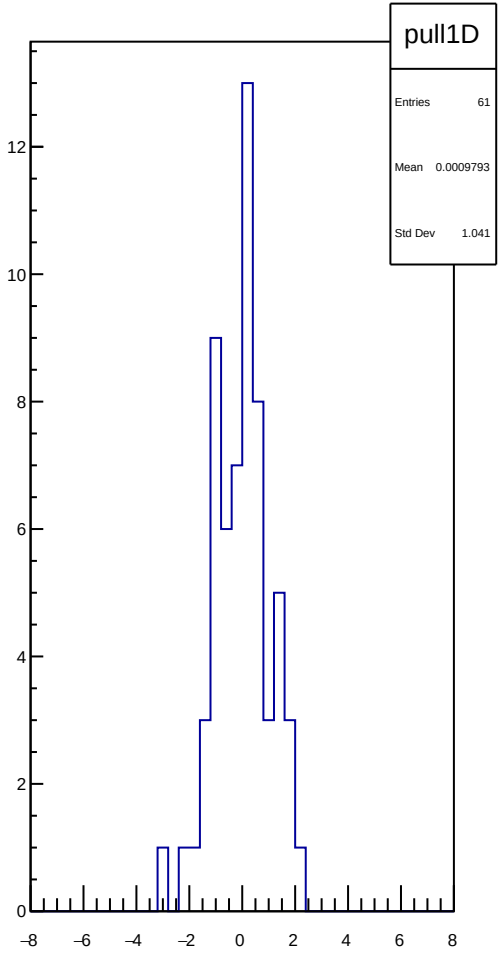

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.831e+05 / 60
p0 1.345e−10 ± 1.597e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

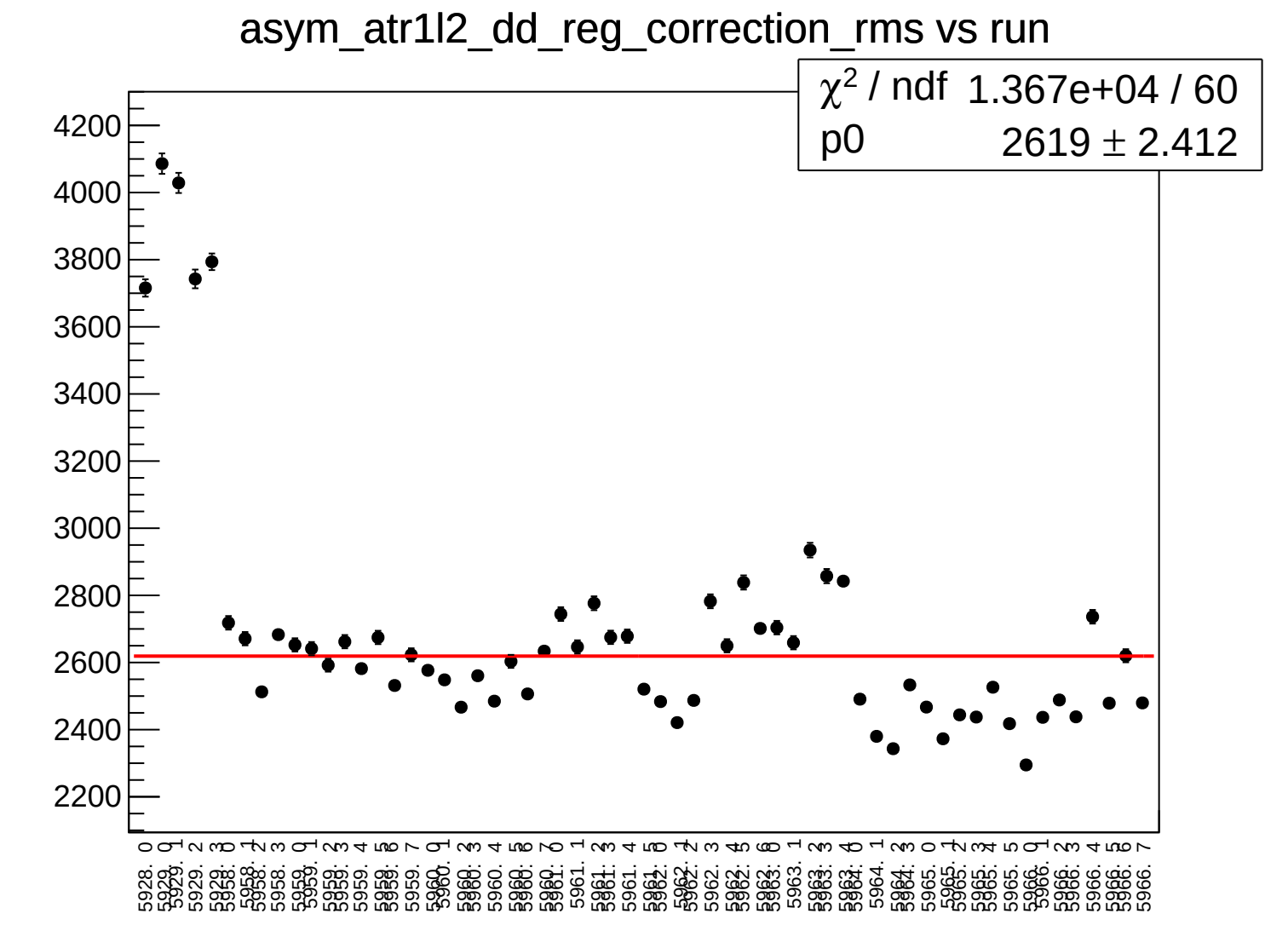

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 58.69 / 60
p0 −1782 ± 2196
pull
Entries 61
Mean −157.4
Std Dev 0

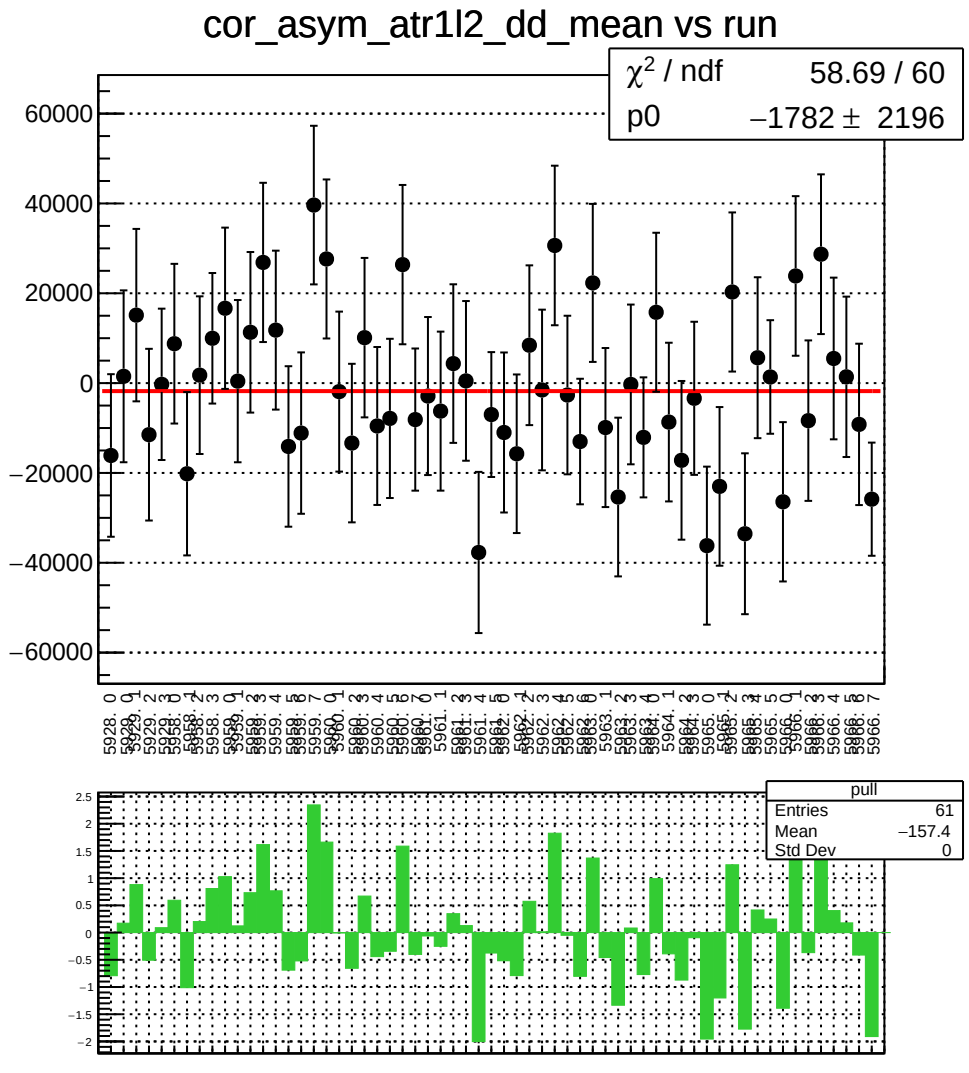

pull1D
Entries 61
Mean 0.01829
Std Dev 0.9807

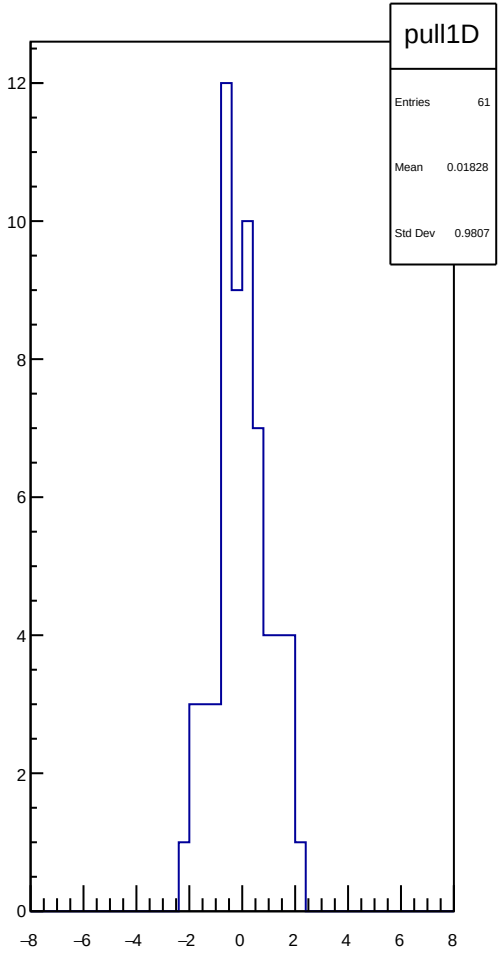

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 568.9 / 60
p0 1695 ± 1.553
1850
1800
1750
1700
1650

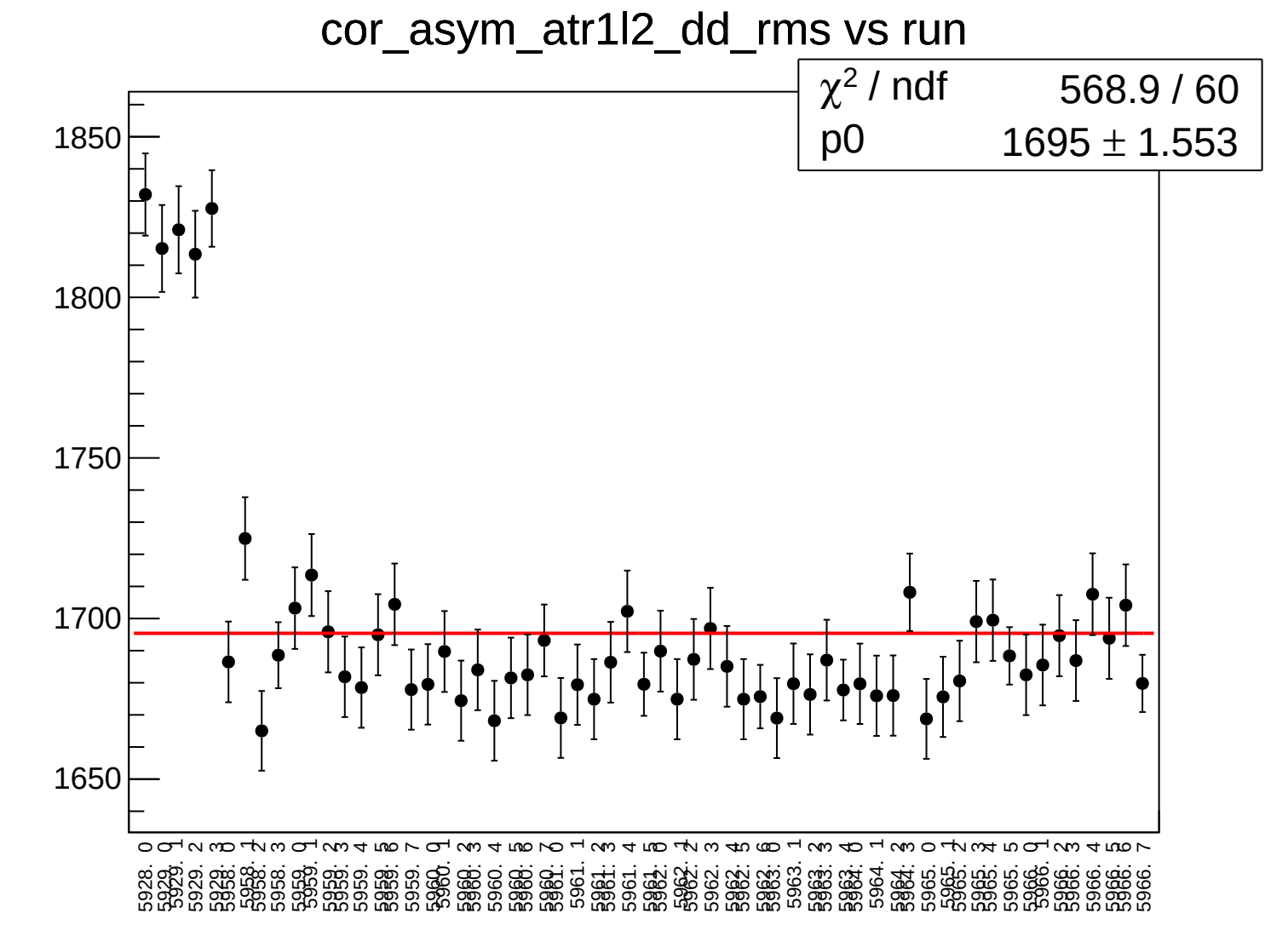

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 66.11 / 60
p0 645.7 ± 3411
pull
Entries 61
Mean 43.91
Std Dev 0

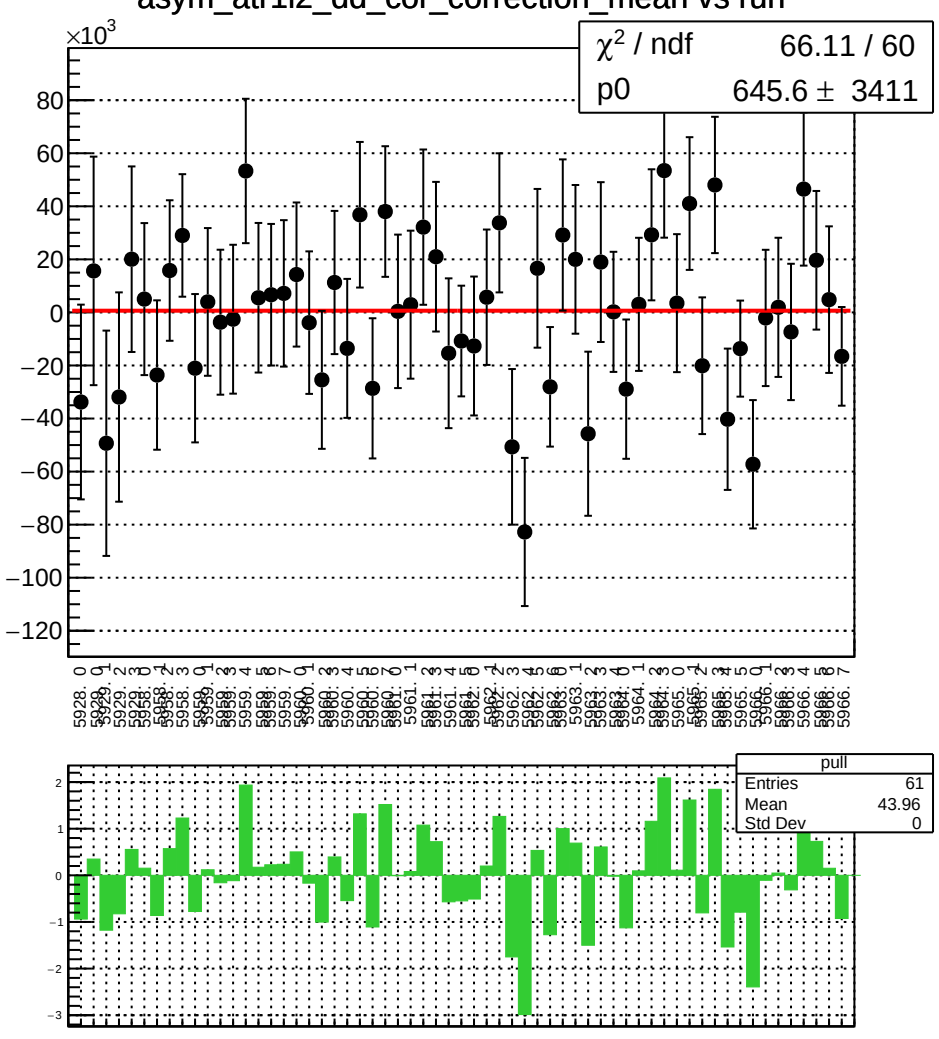

pull1D
Entries 61
Mean 0.0009793
Std Dev 1.041

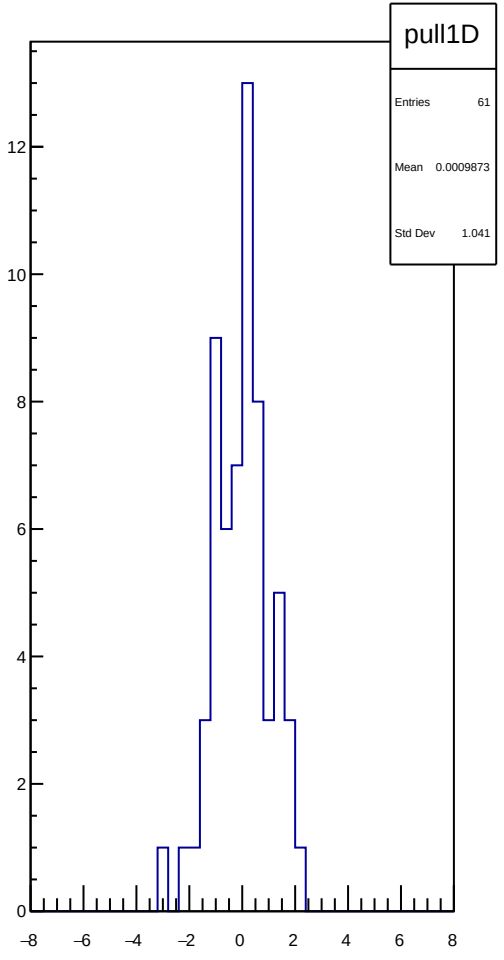

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1.367e+04 / 60
p0 2619 ± 2.412
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

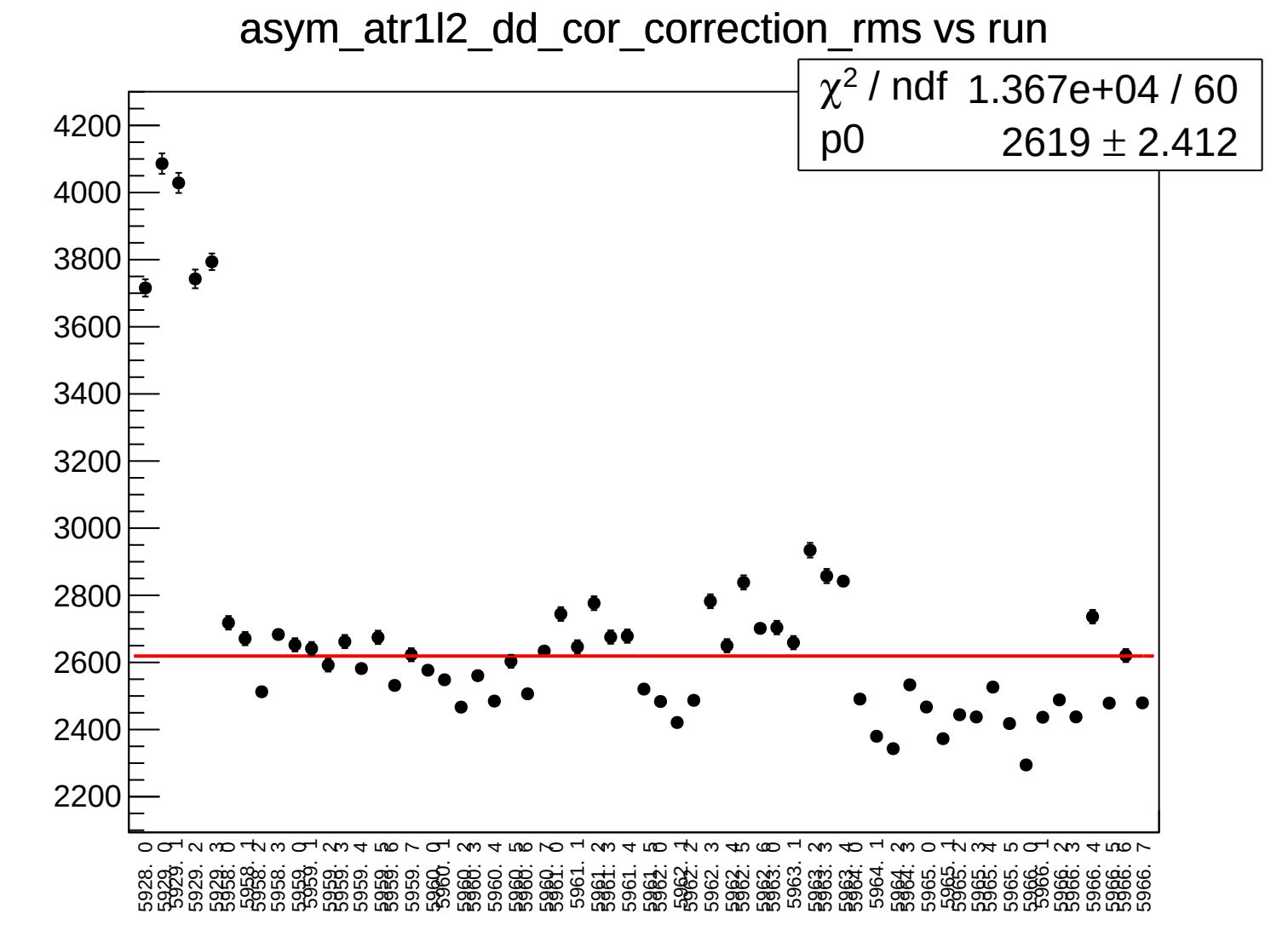

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 58.69 / 60
p0 −1782 ± 2196
pull
Entries 61
Mean −157.4
Std Dev 0

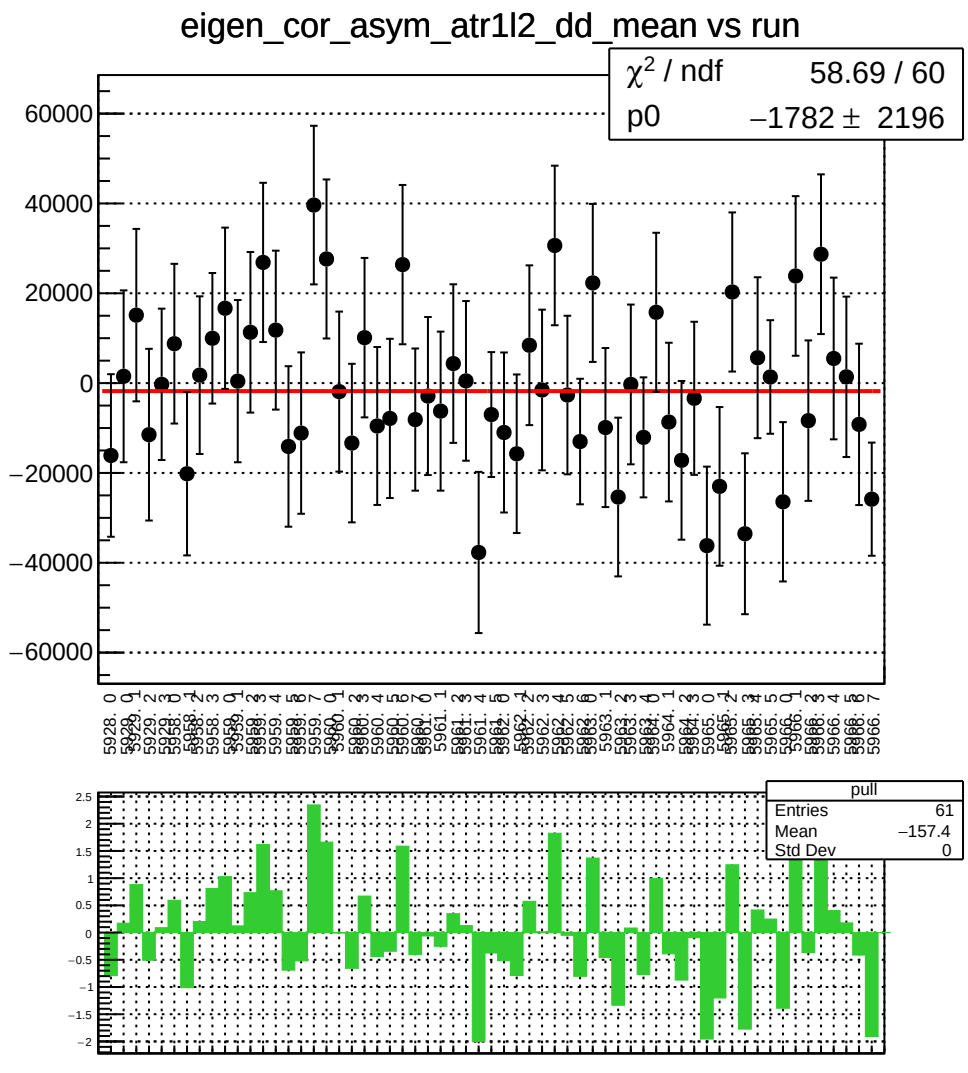

pull1D
Entries 61
Mean 0.01828
Std Dev 0.9807

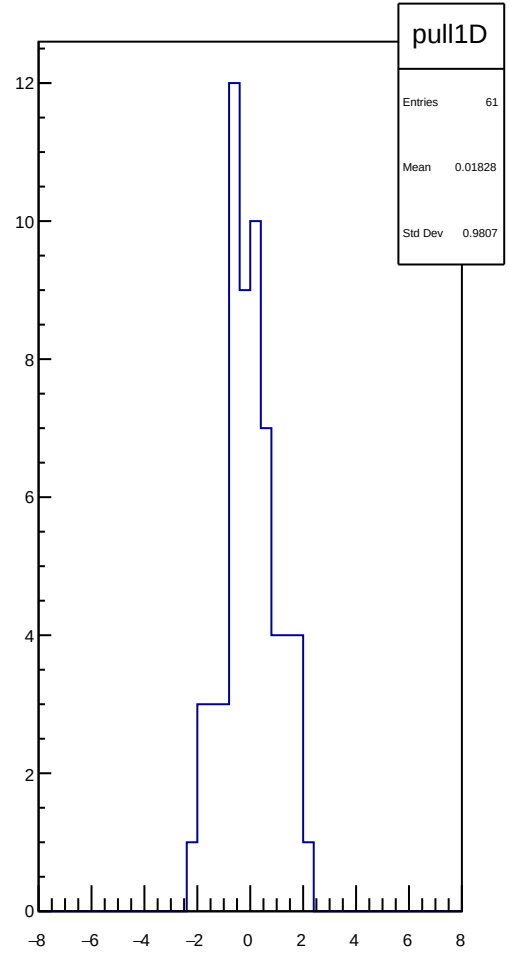

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 568.9 / 60
p0 1695 ± 1.553
1850
1800
1750
1700
1650

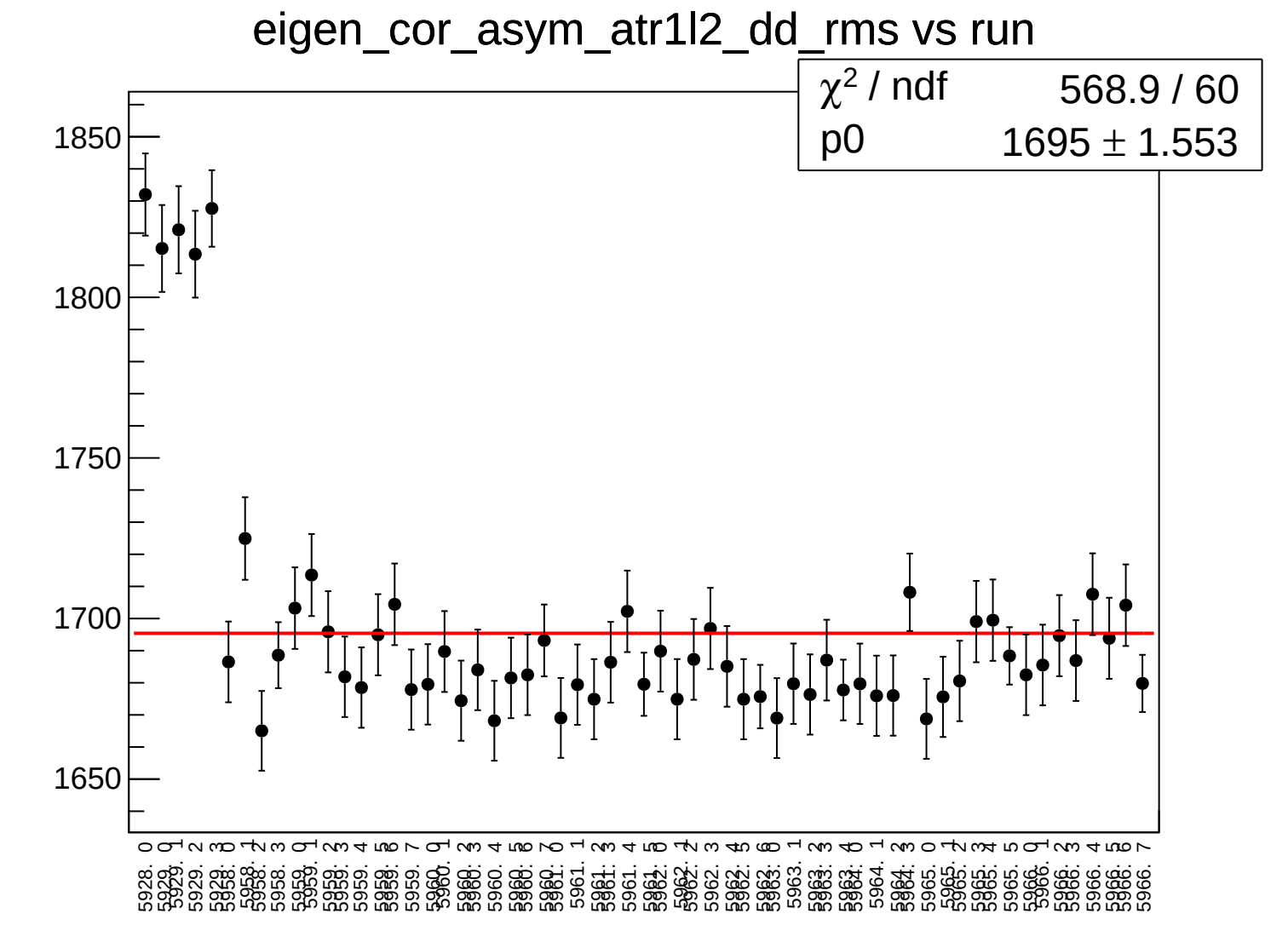

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 66.11 / 60
p0 645.6 ± 3411
pull
Entries 61
Mean 43.96
Std Dev 0

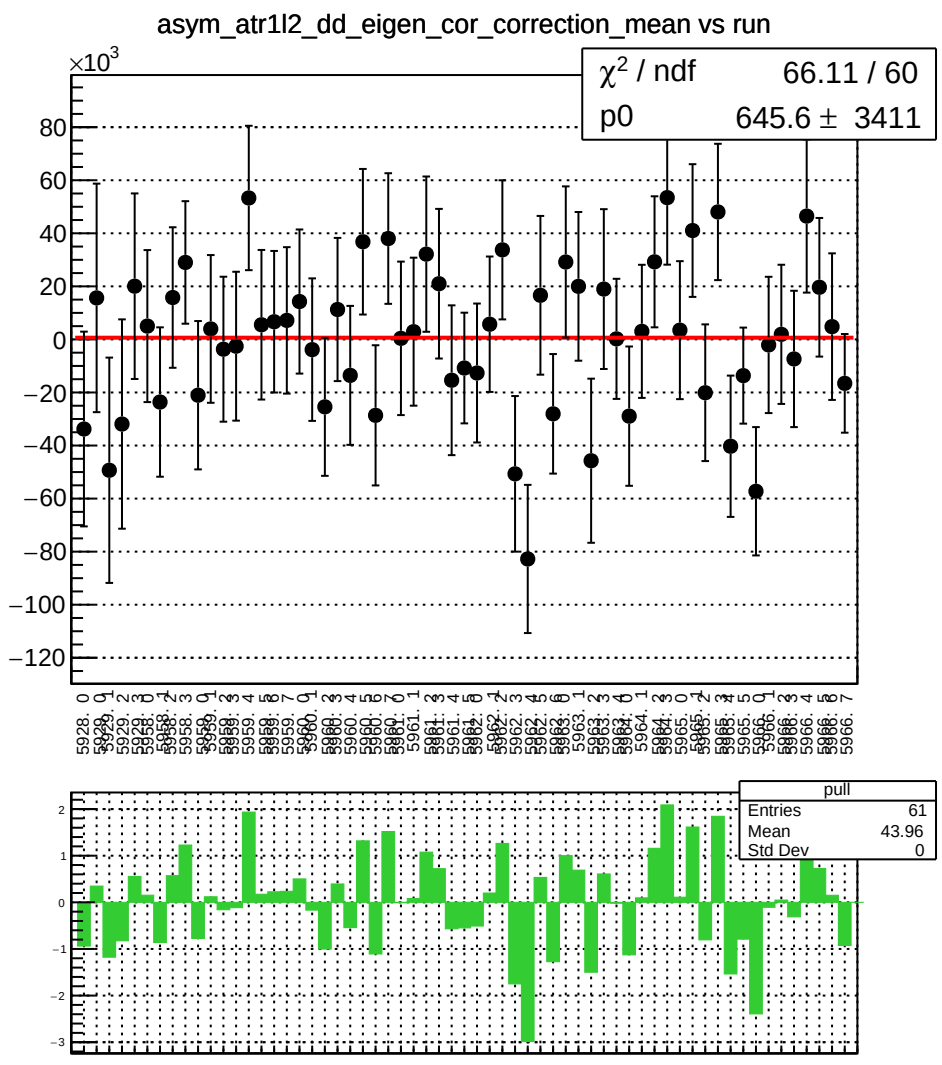

pull1D
Entries 61
Mean 0.0009873
Std Dev 1.041

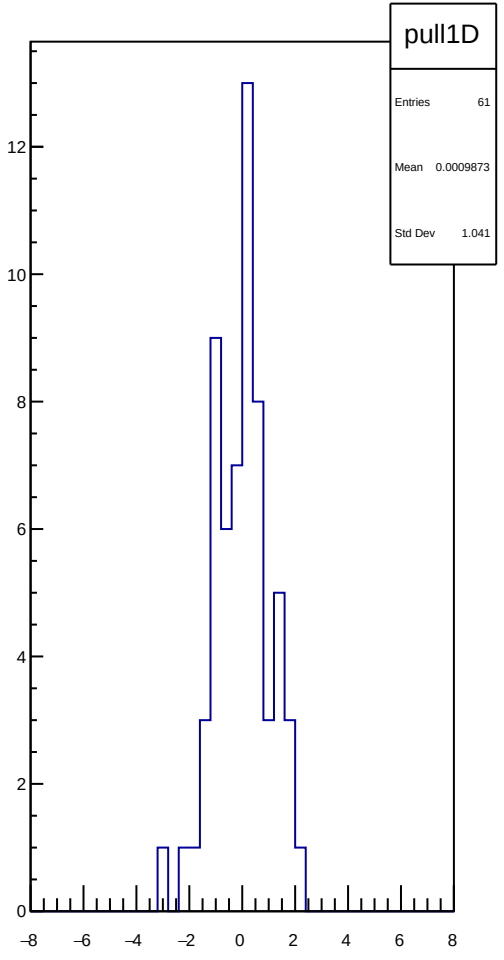

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1.367e+04 / 60
p0 2619 ± 2.412
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

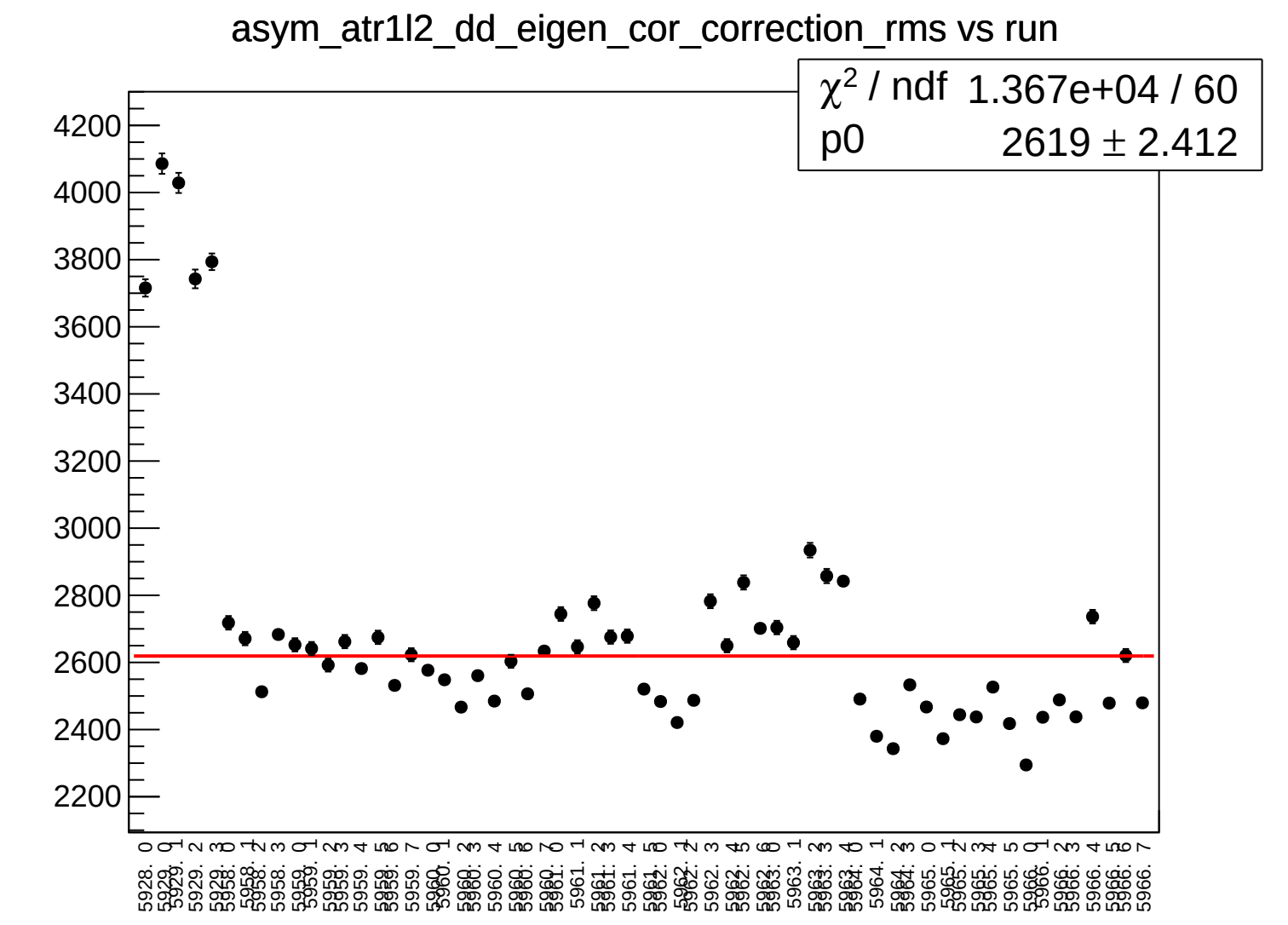

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 58.69 / 60
p0 −1782 ± 2196
pull
Entries 61
Mean −157.4
Std Dev 0

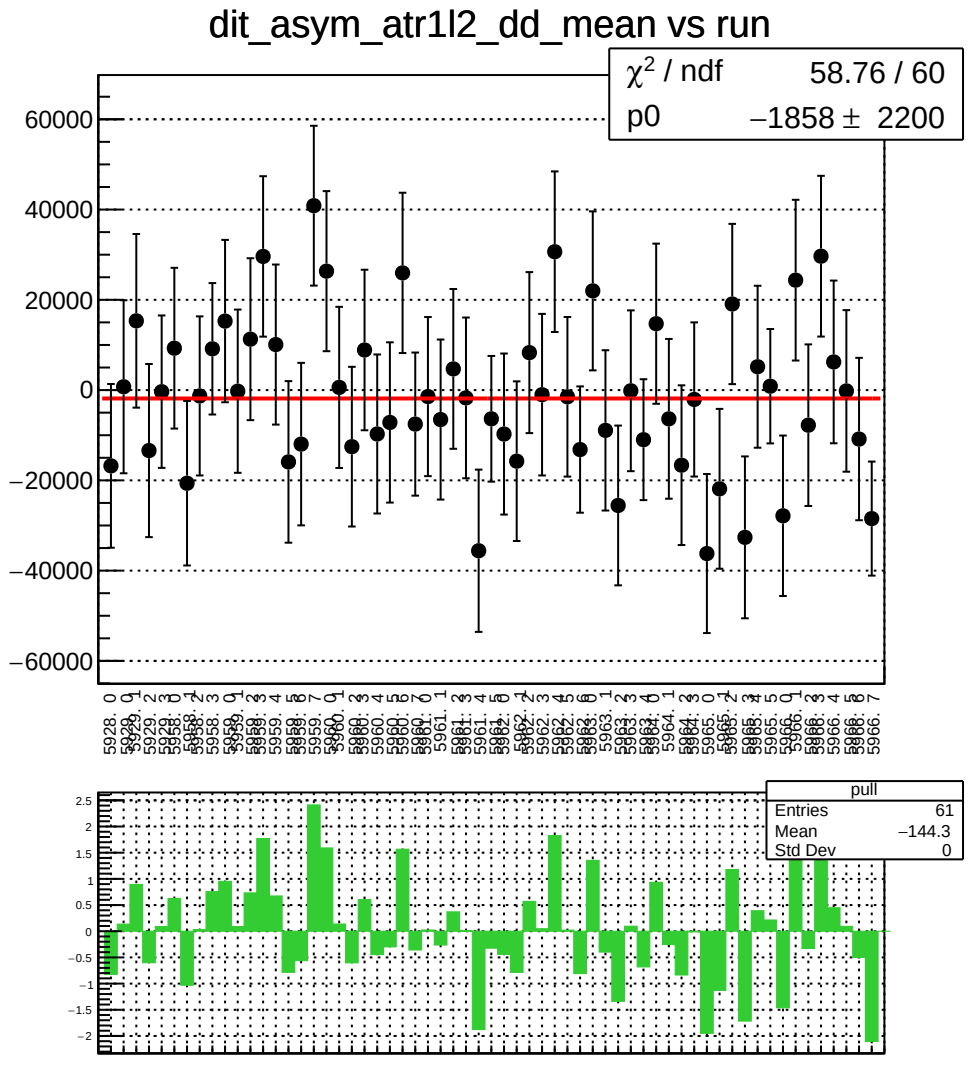

pull1D
Entries 61
Mean 0.01828
Std Dev 0.9807

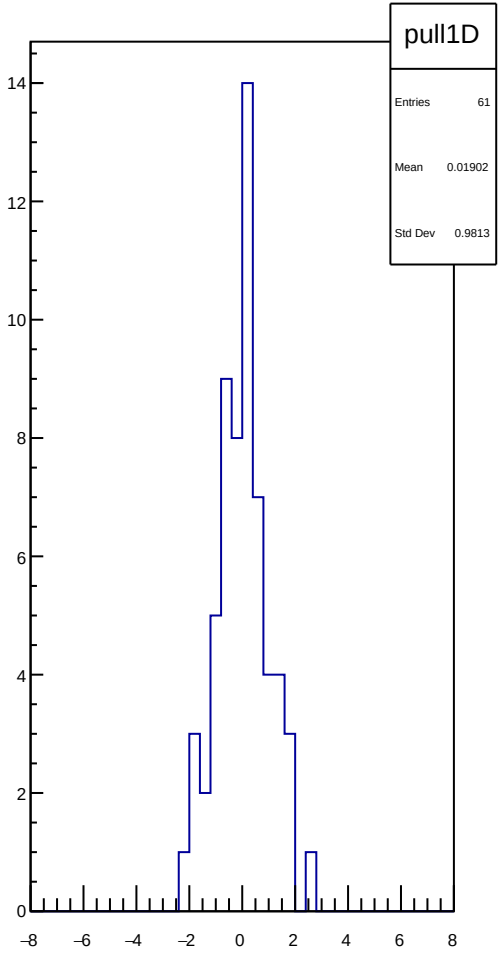

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 568.9 / 60
p0 1695 ± 1.553
1850
1800
1750
1700
1650

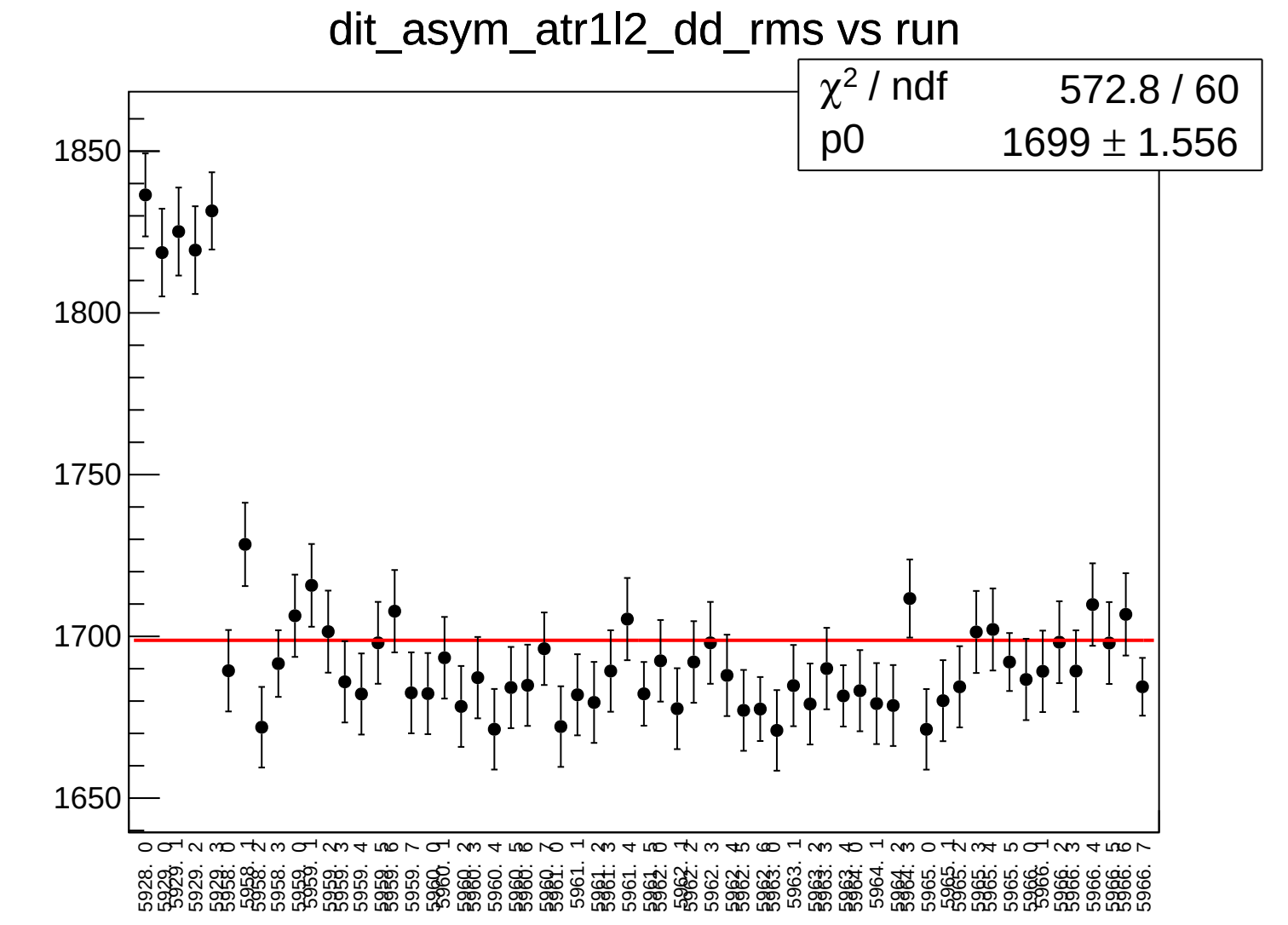

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 66.11 / 60
p0 645.6 ± 3411
pull
Entries 61
Mean 43.96
Std Dev 0

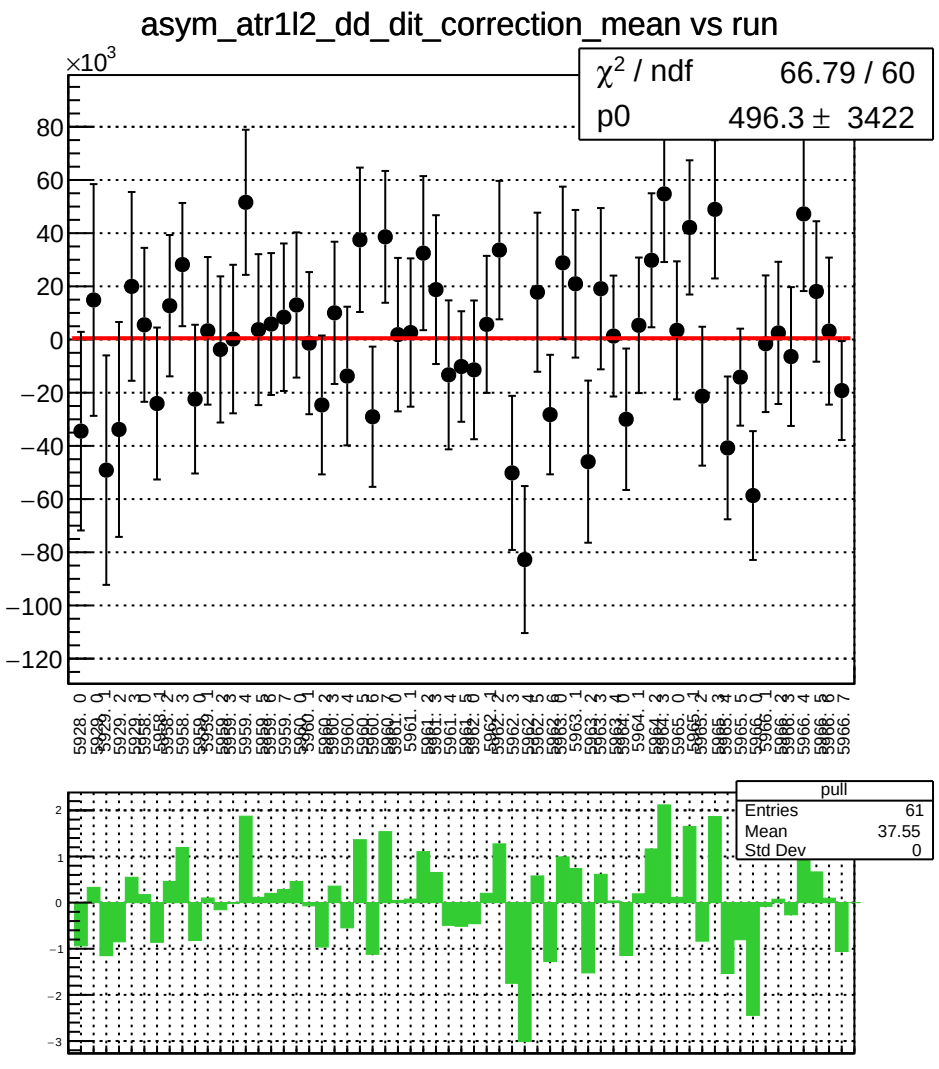

pull1D
Entries 61
Mean 0.0009873
Std Dev 1.041

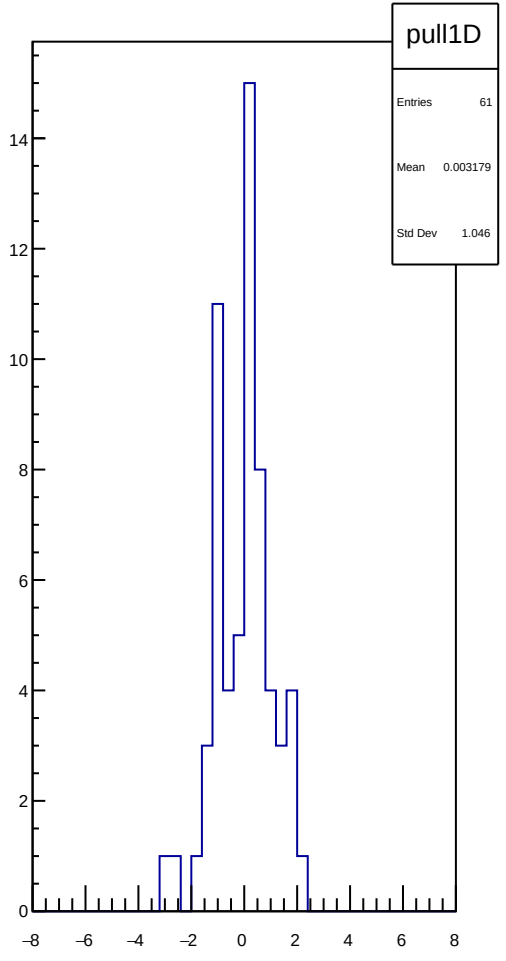

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.367e+04 / 60
p0 2619 ± 2.412
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

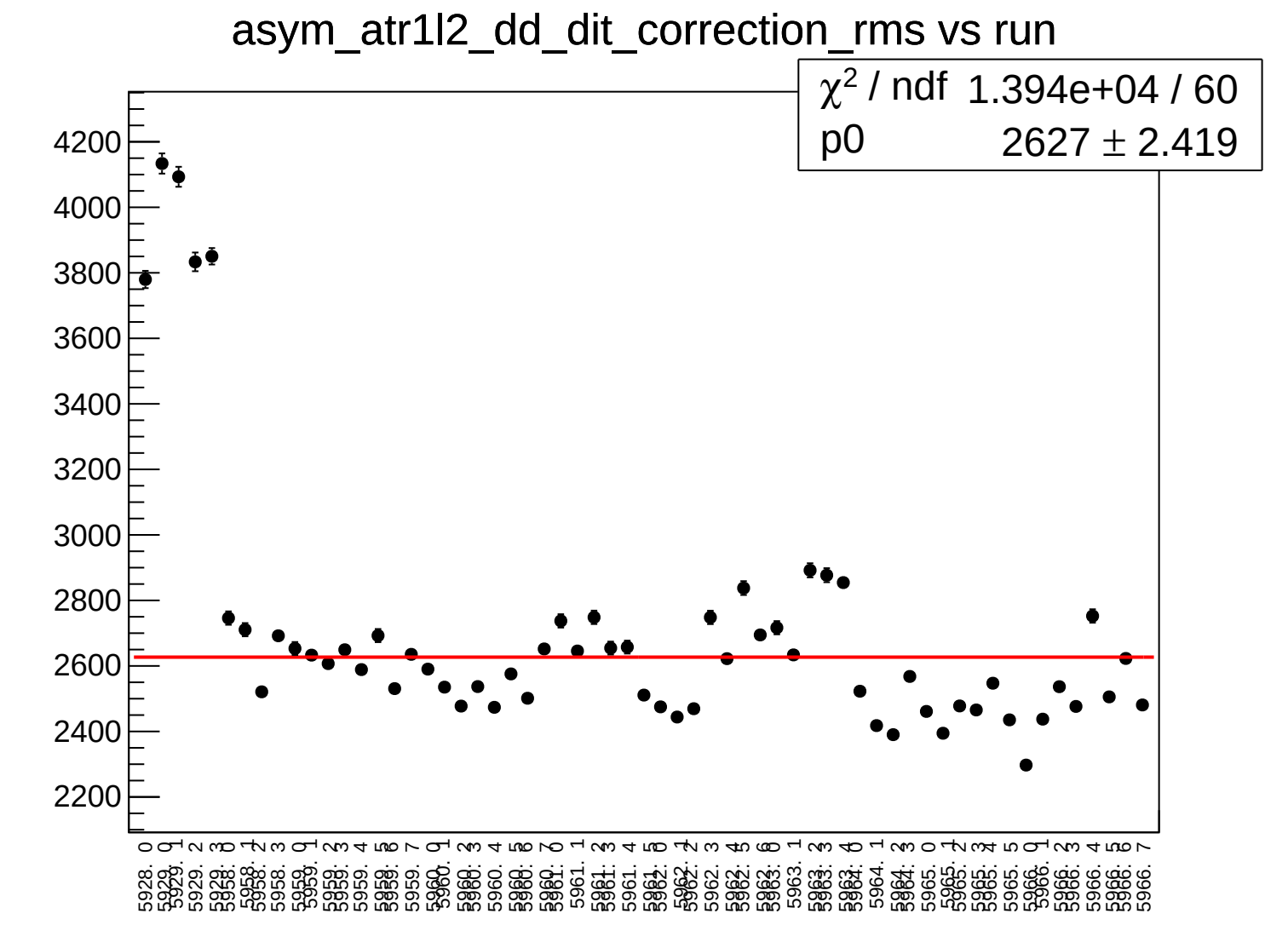

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 58.76 / 60
p0 −1858 ± 2200
pull
Entries 61
Mean −144.3
Std Dev 0

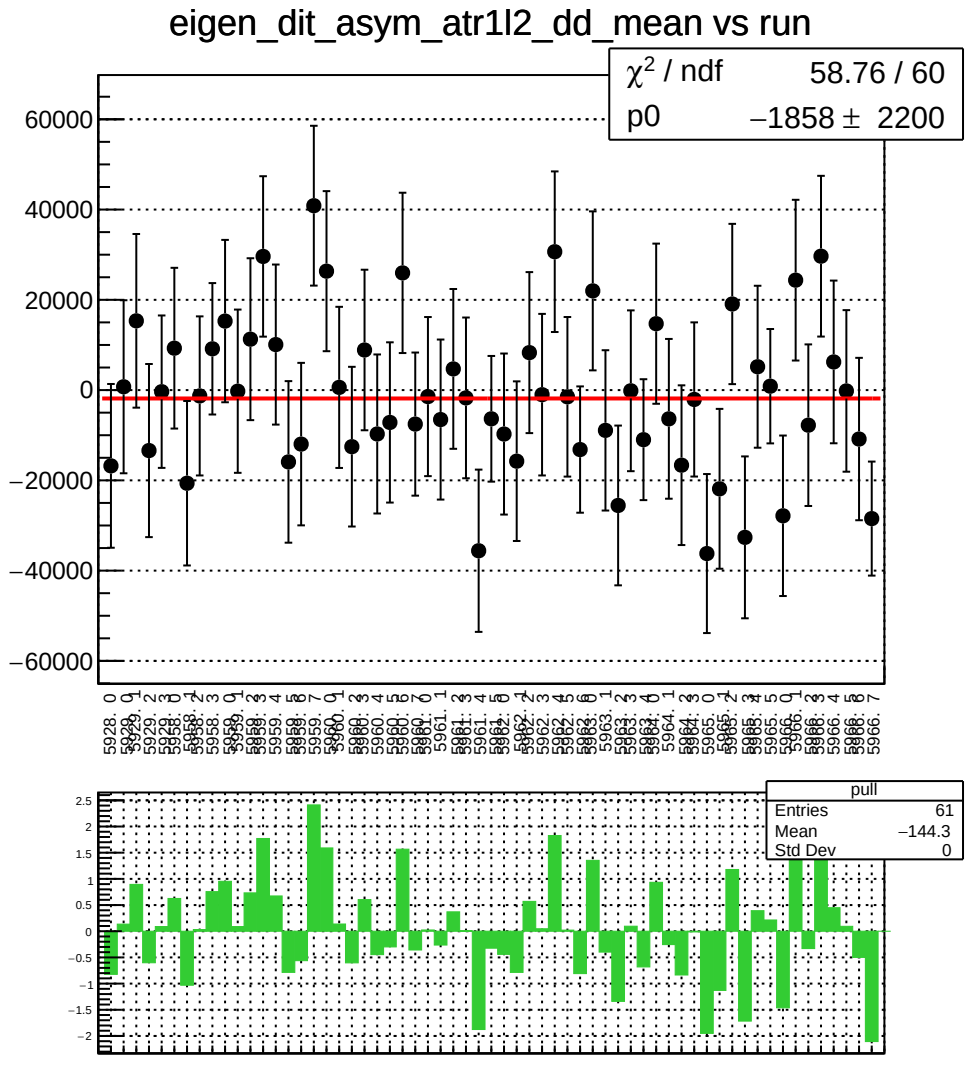

pull1D
Entries 61
Mean 0.01902
Std Dev 0.9813

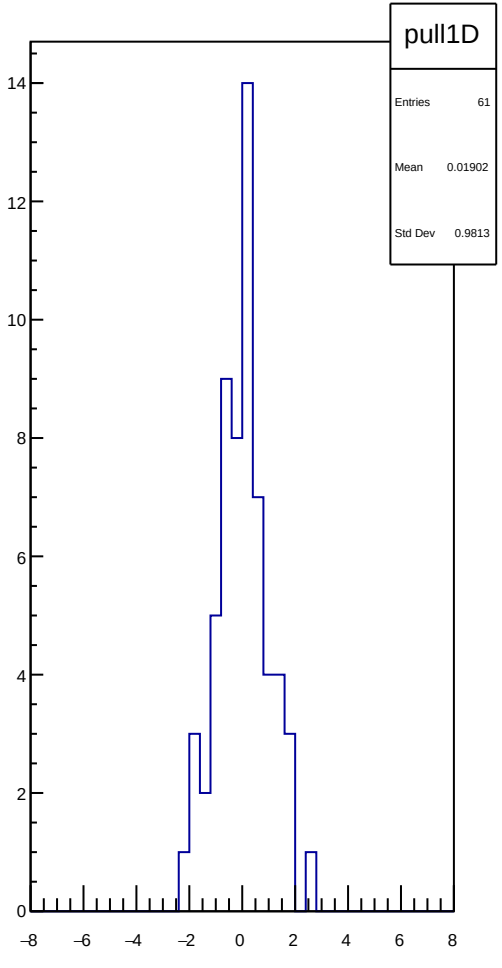

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 572.8 / 60
p0 1699 ± 1.556
1850
1800
1750
1700
1650

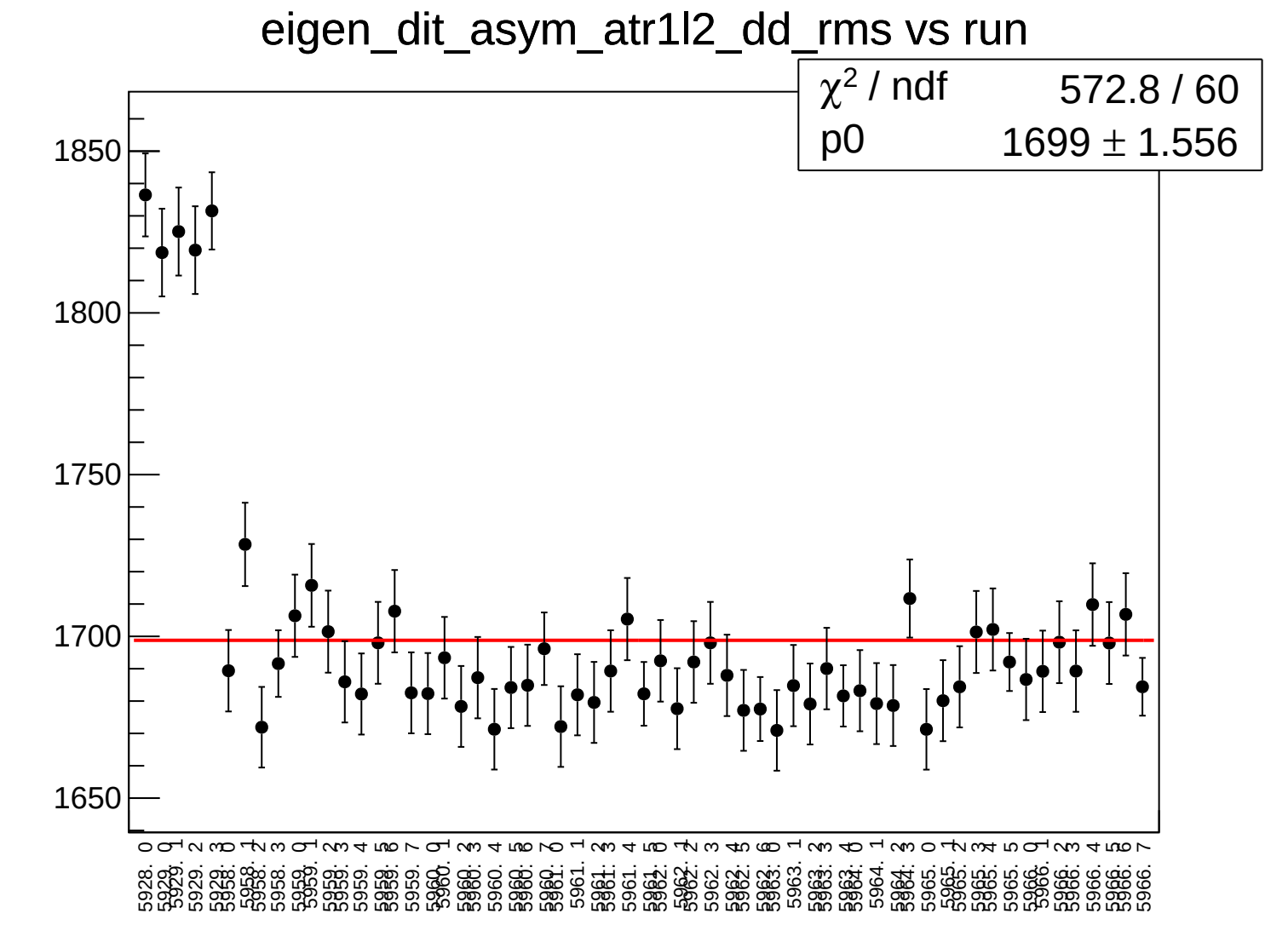

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 66.79 / 60
p0 496.3 ± 3422
pull
Entries 61
Mean 37.55
Std Dev 0

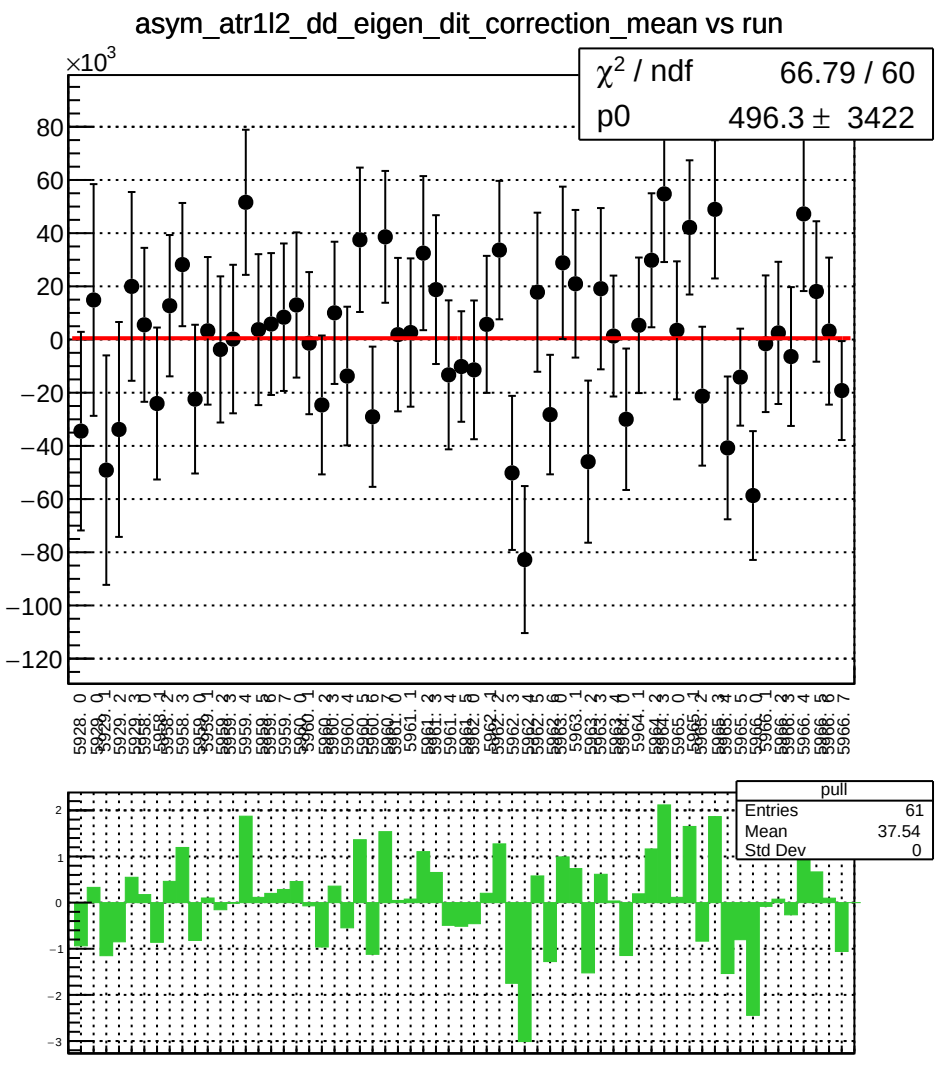

pull1D
Entries 61
Mean 0.003179
Std Dev 1.046

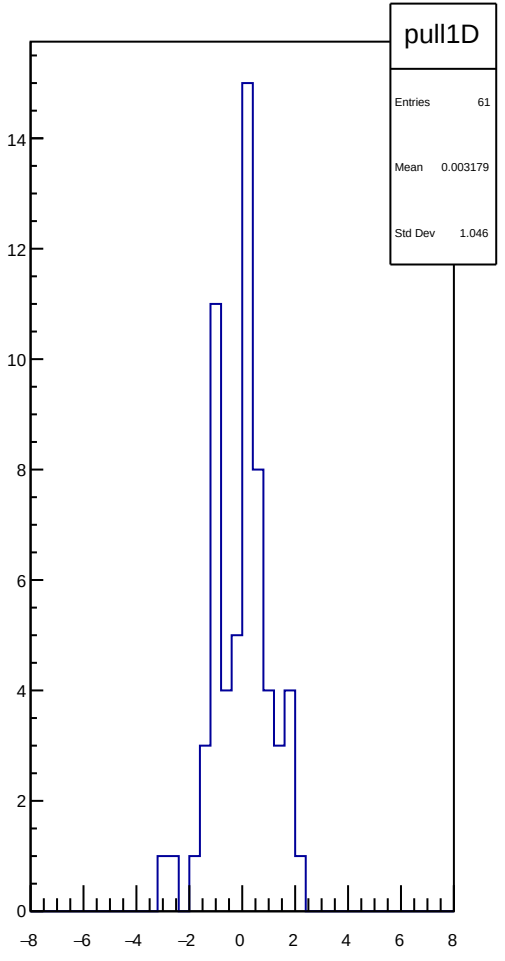

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 1.394e+04 / 60
p0 2627 ± 2.419
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

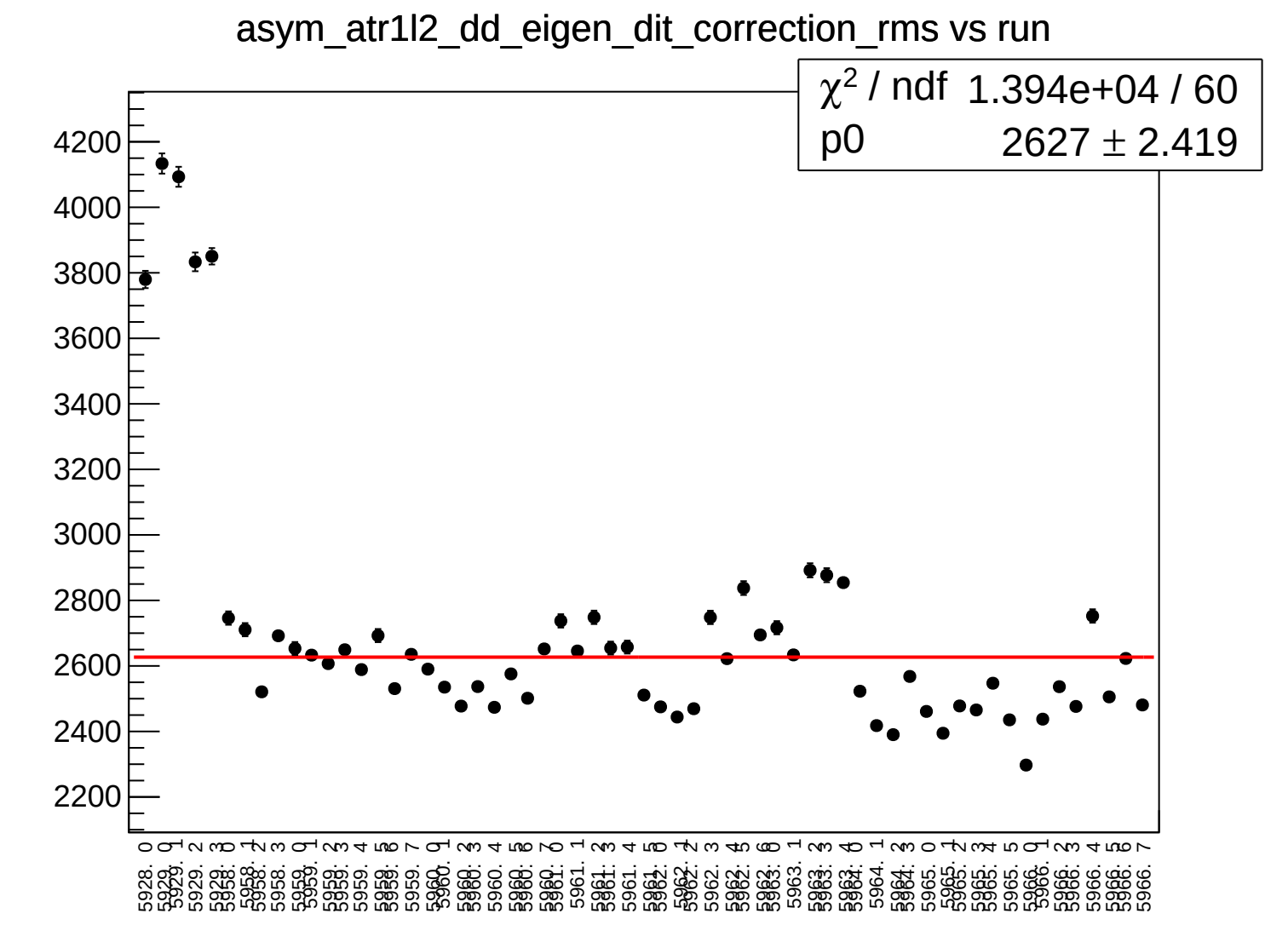

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 58.76 / 60
p0 −1858 ± 2200
pull
Entries 61
Mean −144.3
Std Dev 0

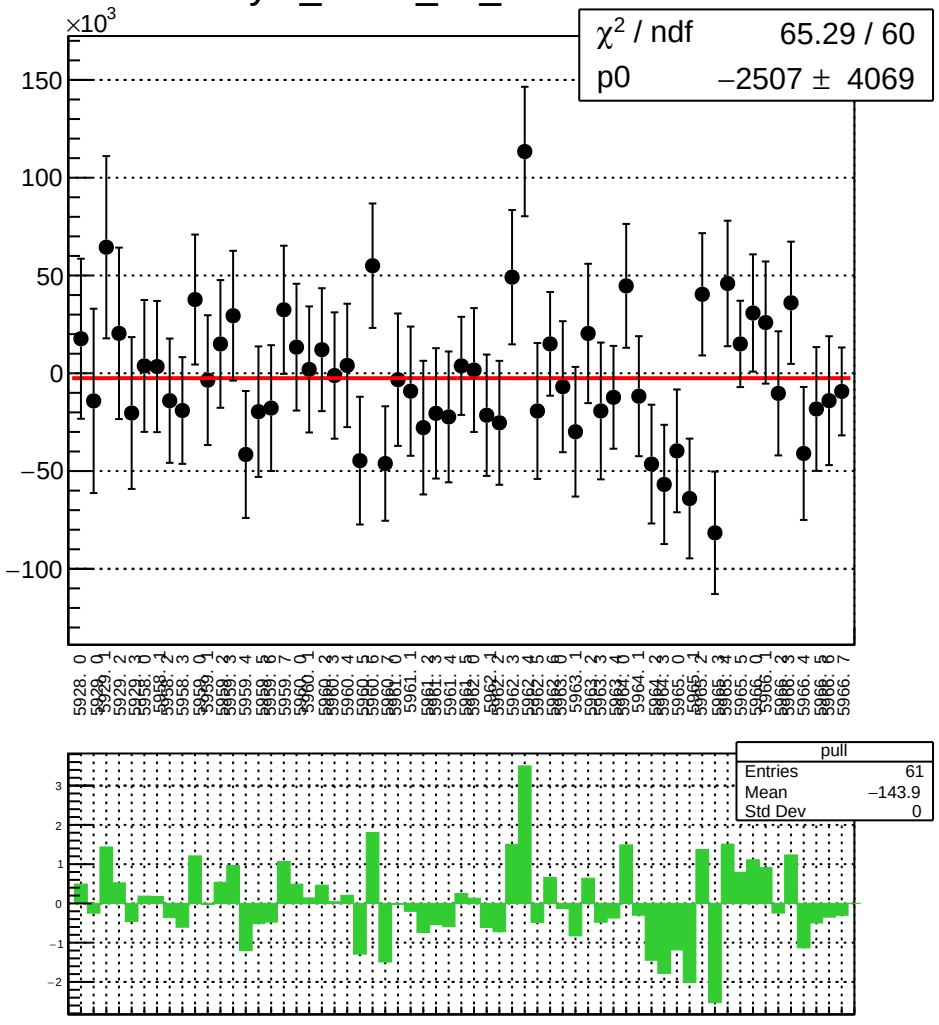

pull1D
Entries 61
Mean 0.01902
Std Dev 0.9813

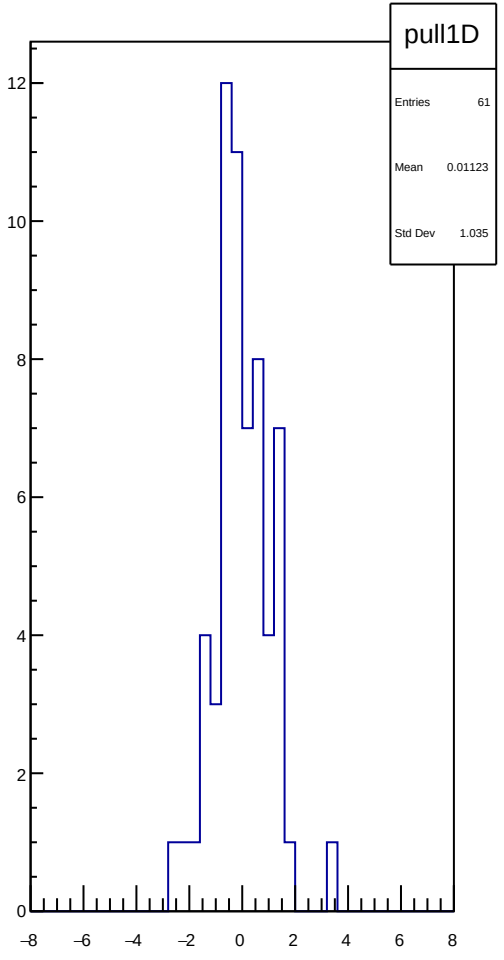

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 572.8 / 60
p0 1699 ± 1.556
1850
1800
1750
1700
1650

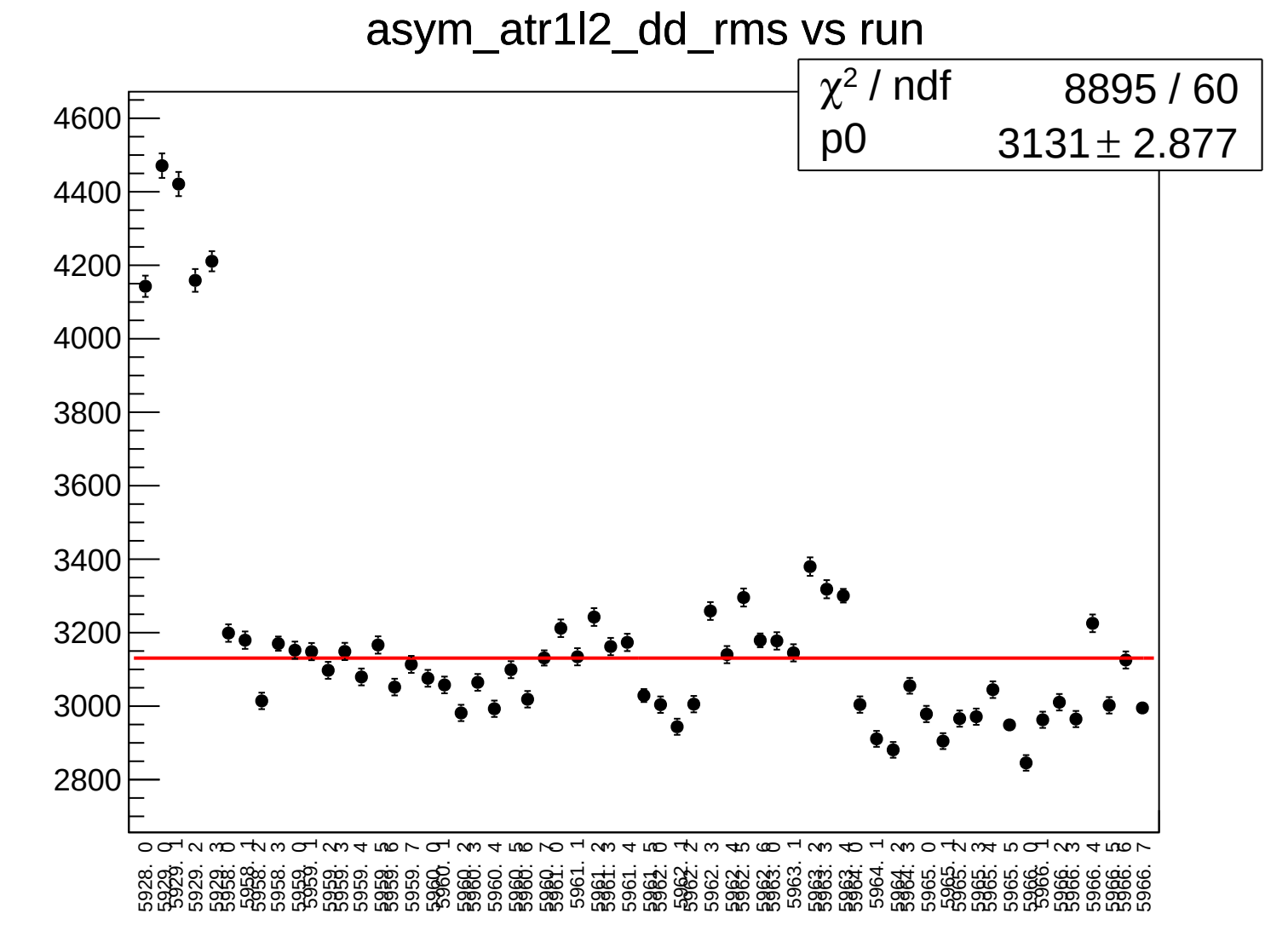

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 66.79 / 60
p0 496.3 ± 3422
pull
Entries 61
Mean 37.54
Std Dev 0

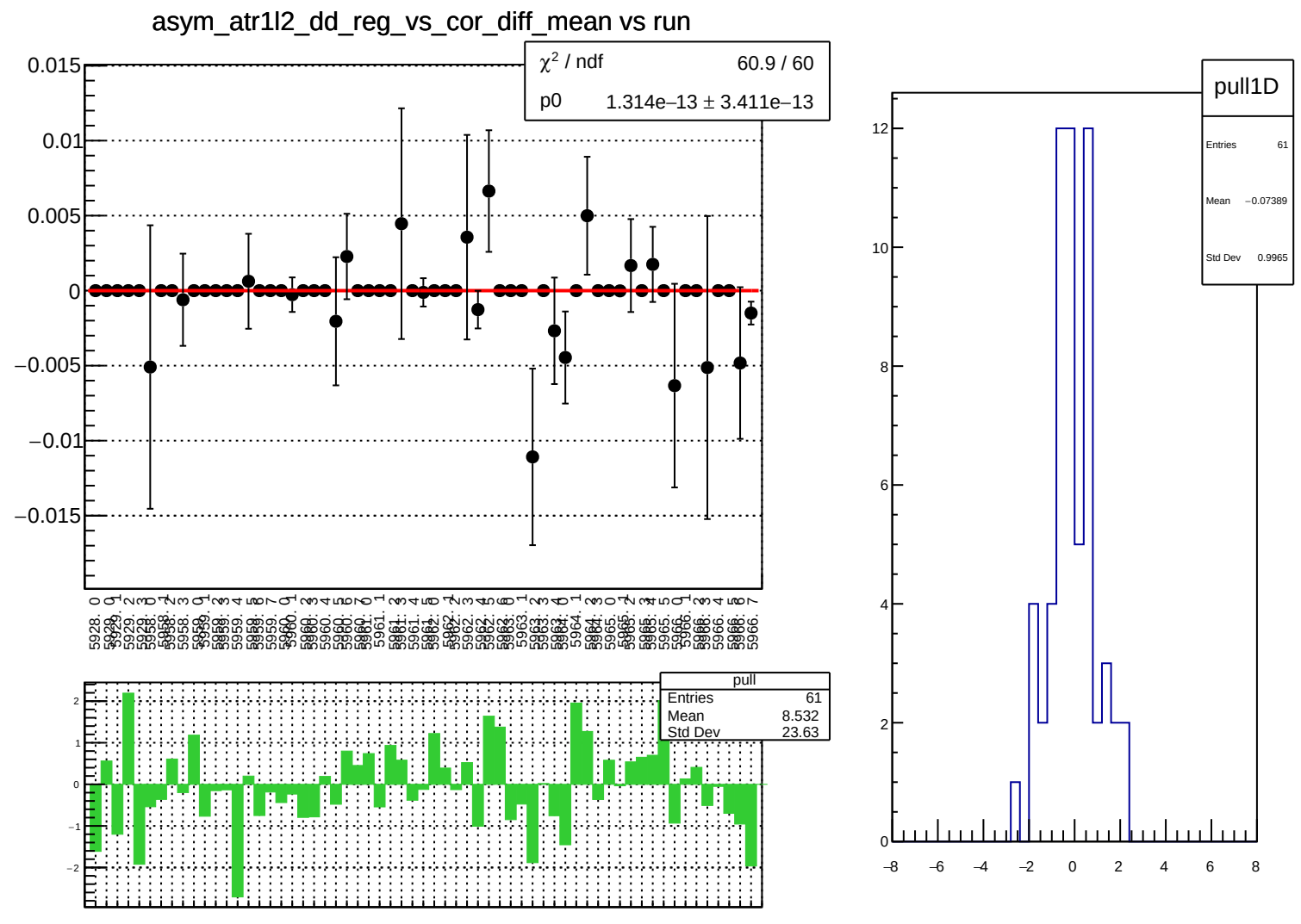

pull1D
Entries 61
Mean 0.003179
Std Dev 1.046

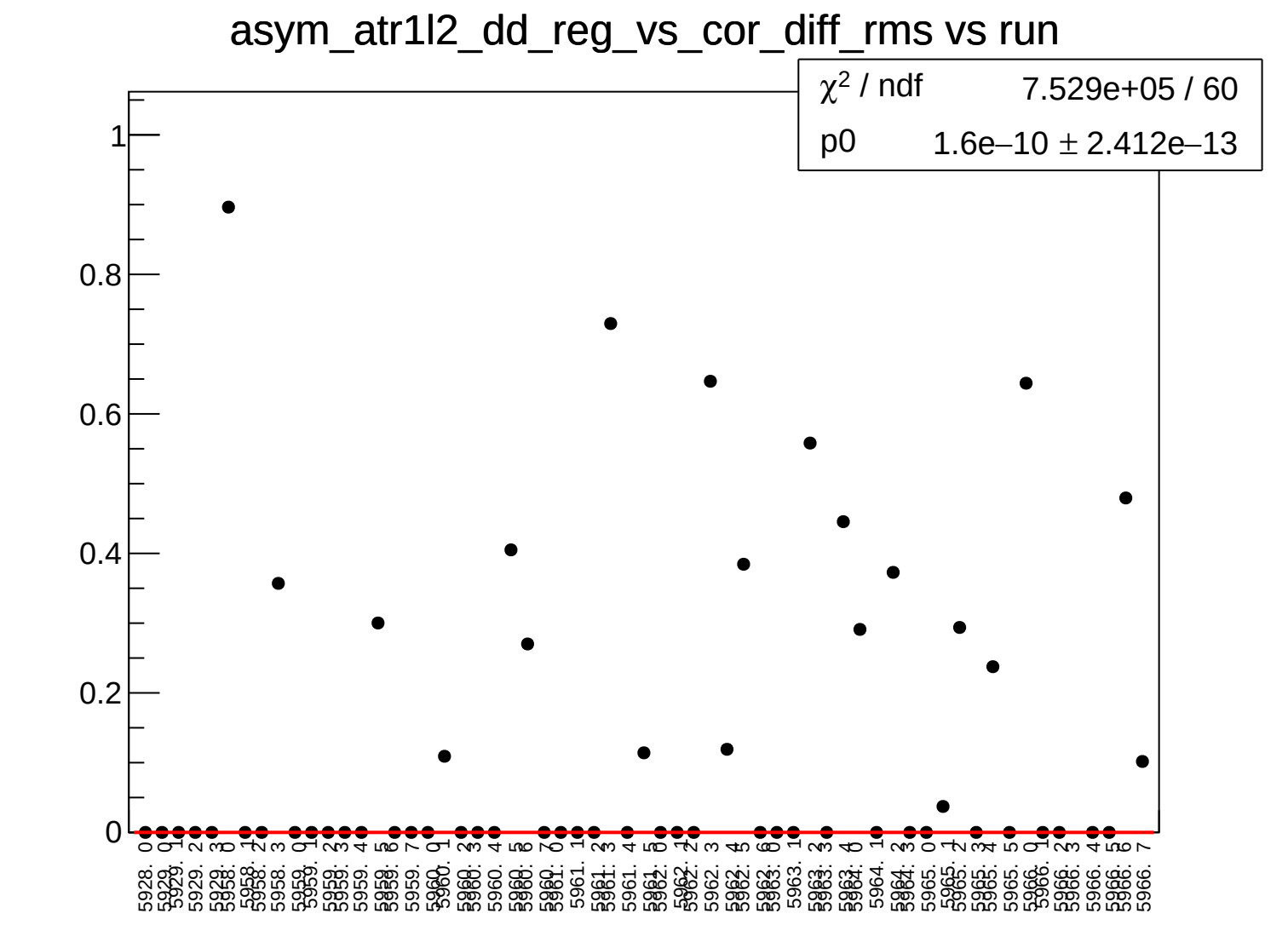

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.394e+04 / 60
p0 2627 ± 2.419
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

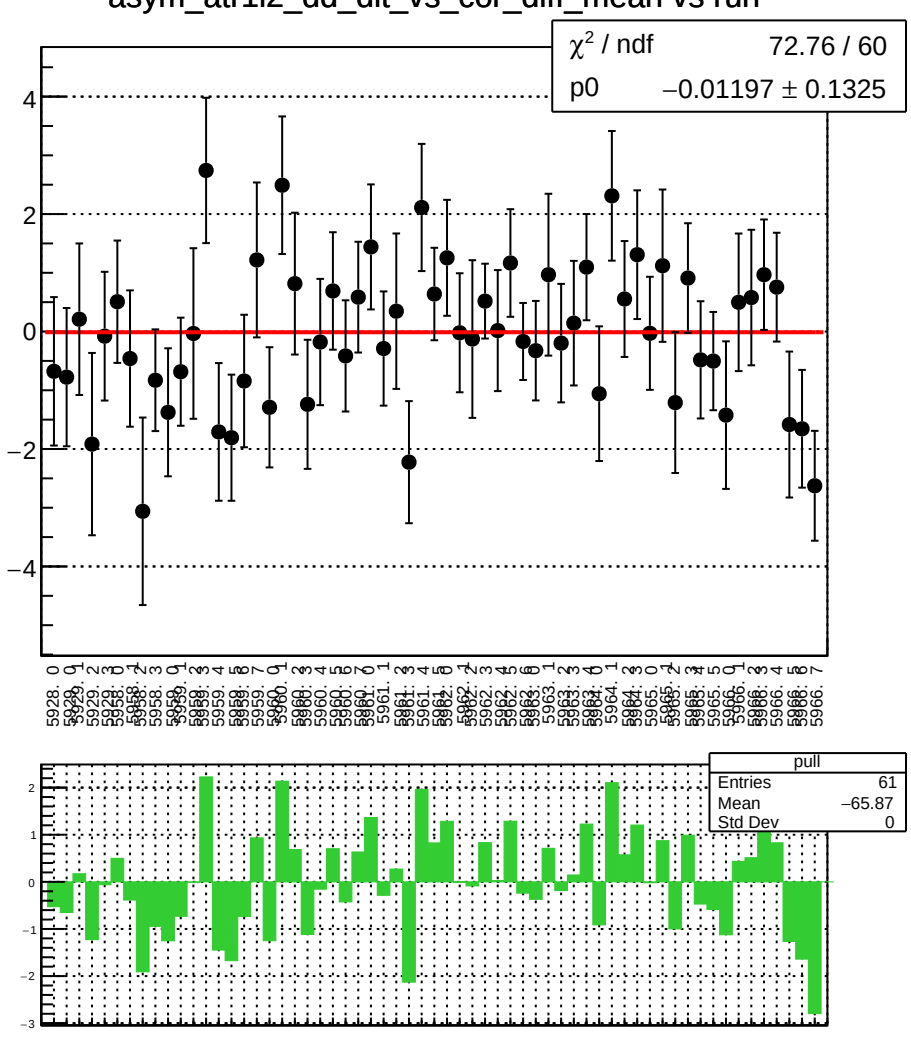

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 65.29 / 60
p0 −2507 ± 4069
150
100
50
0
−50
−100
pull
Entries 61
Mean −143.9
Std Dev 0
3
2
1
0
−1
−2

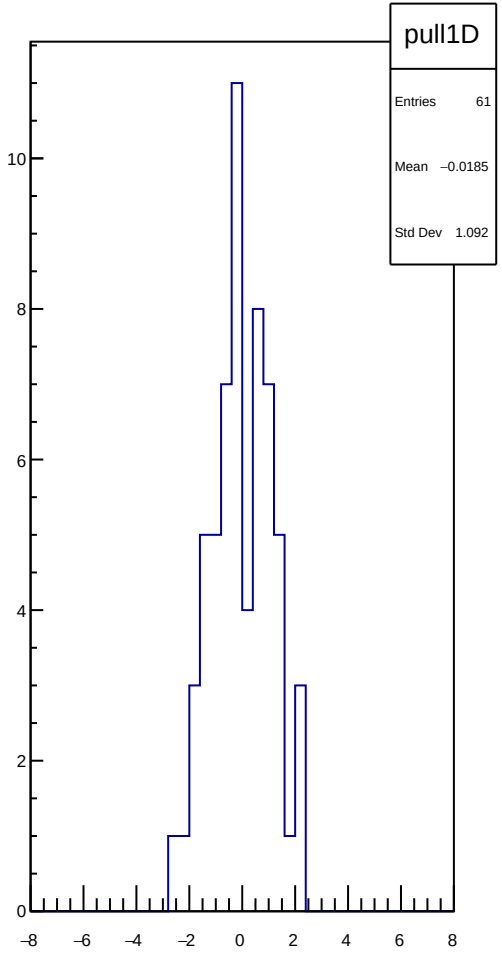

pull1D
Entries 61
Mean 0.01123
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

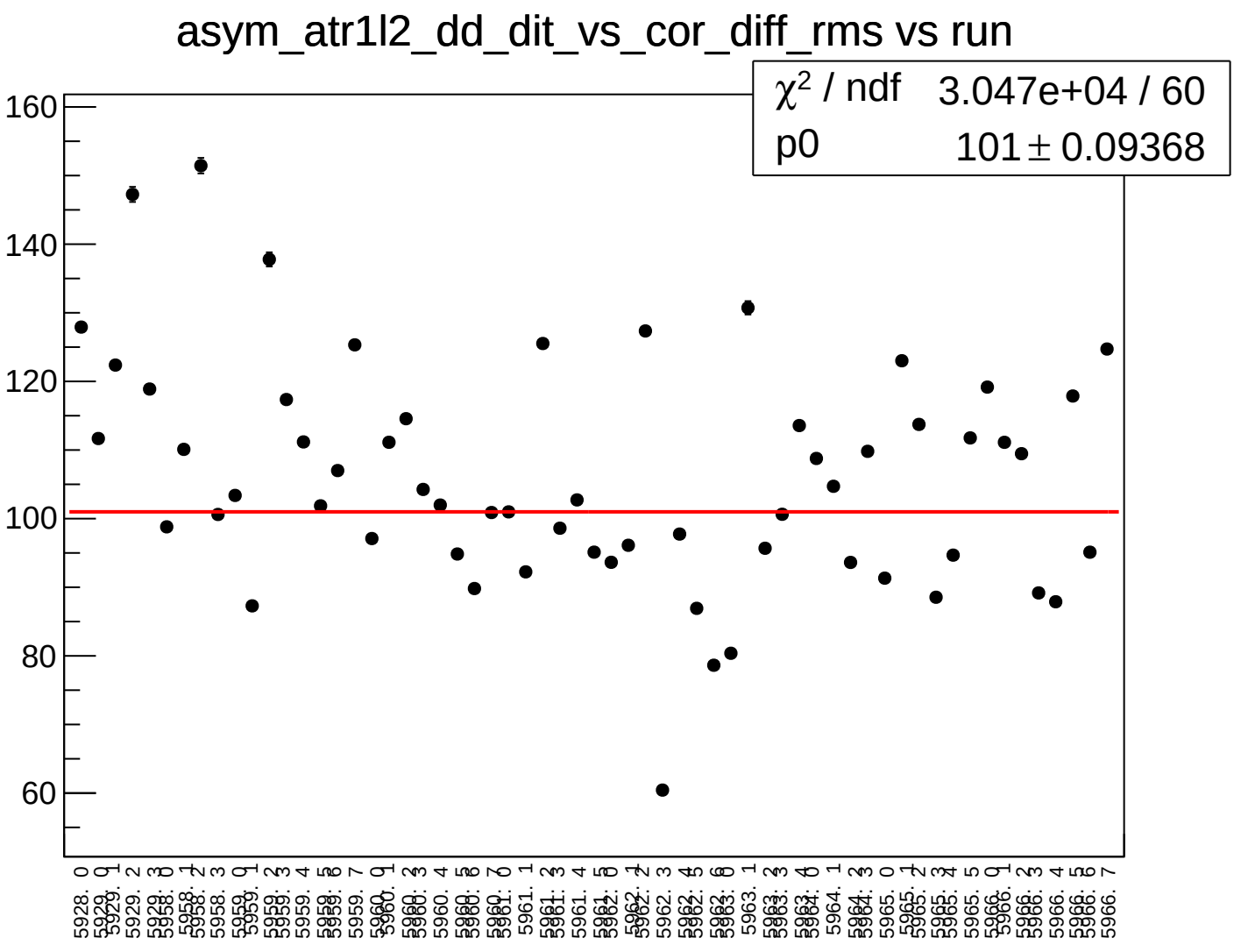

asym_atr1l2_dd_rms vs run
χ² / ndf 8895 / 60
p0 3131 ± 2.877
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

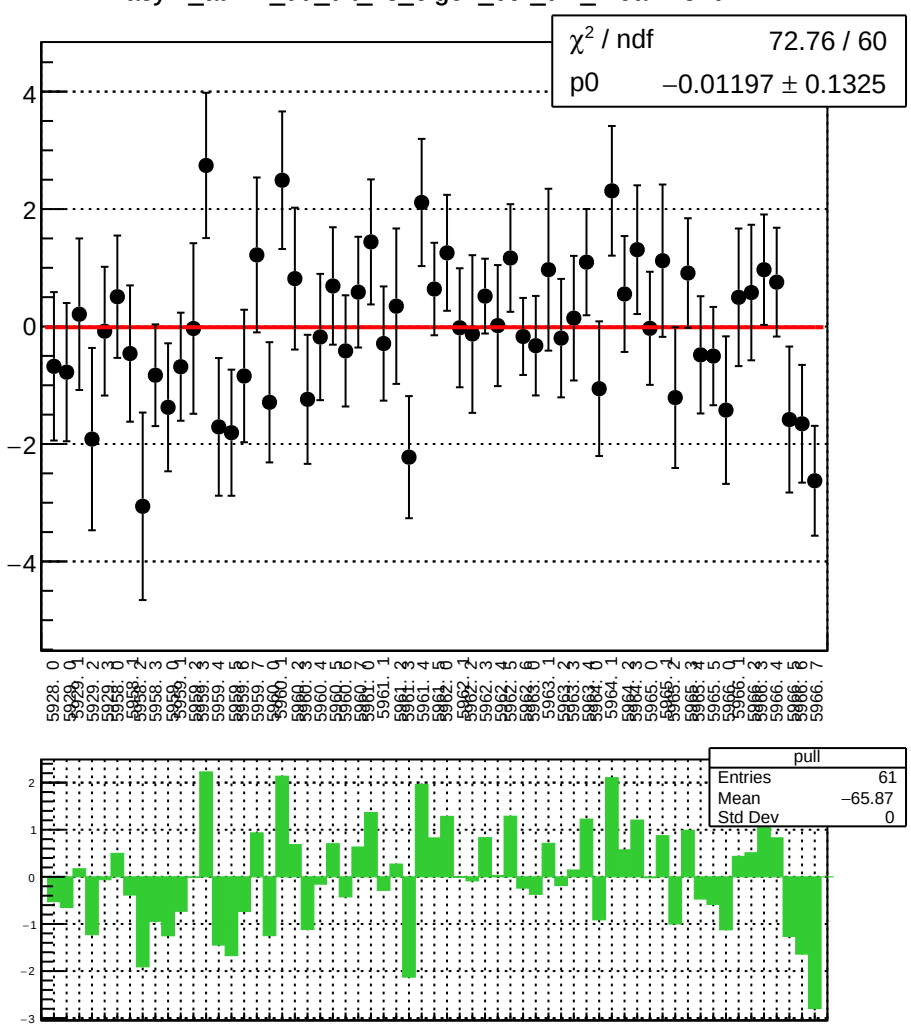

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.9 / 60
p0 1.314e−13 ± 3.411e−13
pull
Entries 61
Mean 8.532
Std Dev 23.63
pull1D
Entries 61
Mean −0.07389
Std Dev 0.9965

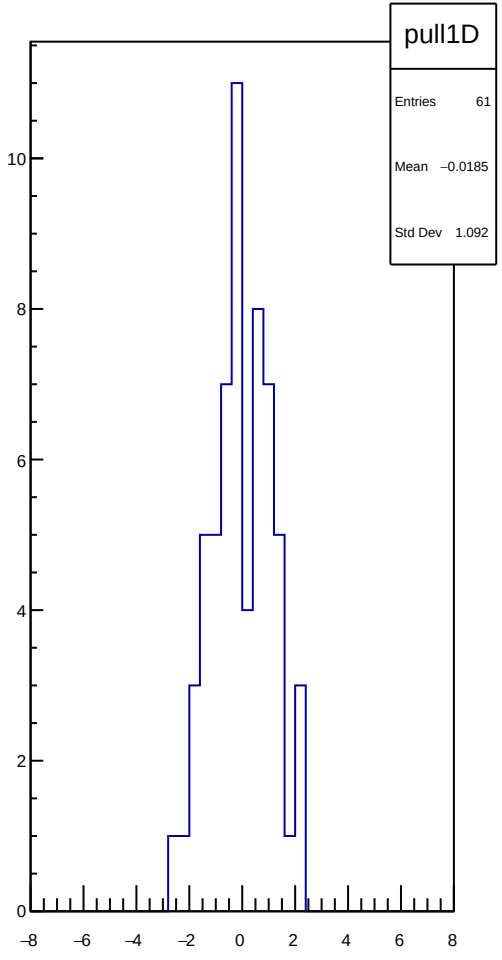

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.529e+05 / 60
p0 1.6e−10 ± 2.412e−13
1
0.8
0.6
0.4
0.2
0

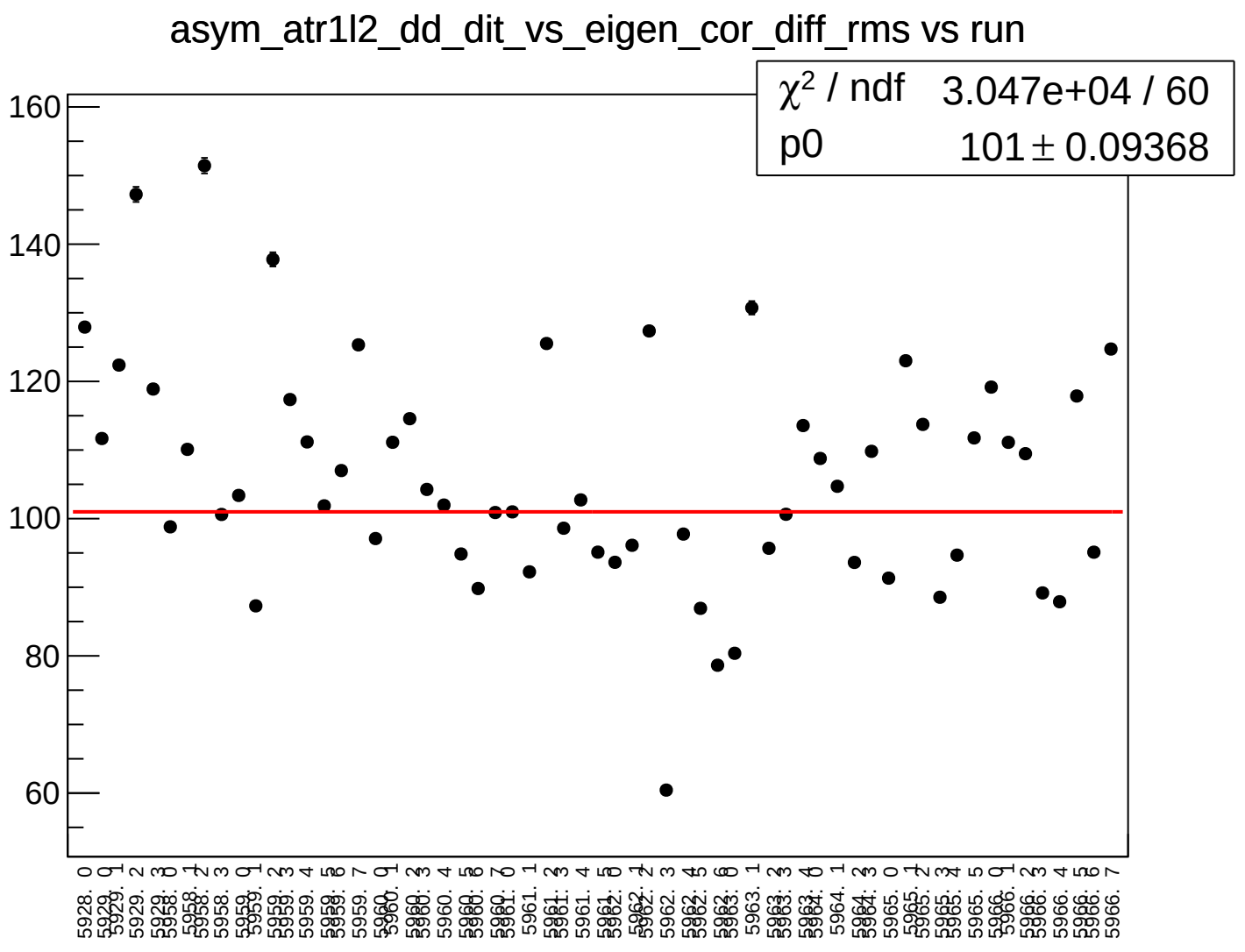

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.76 / 60
p0 −0.01197 ± 0.1325
pull
Entries 61
Mean −65.87
Std Dev 0

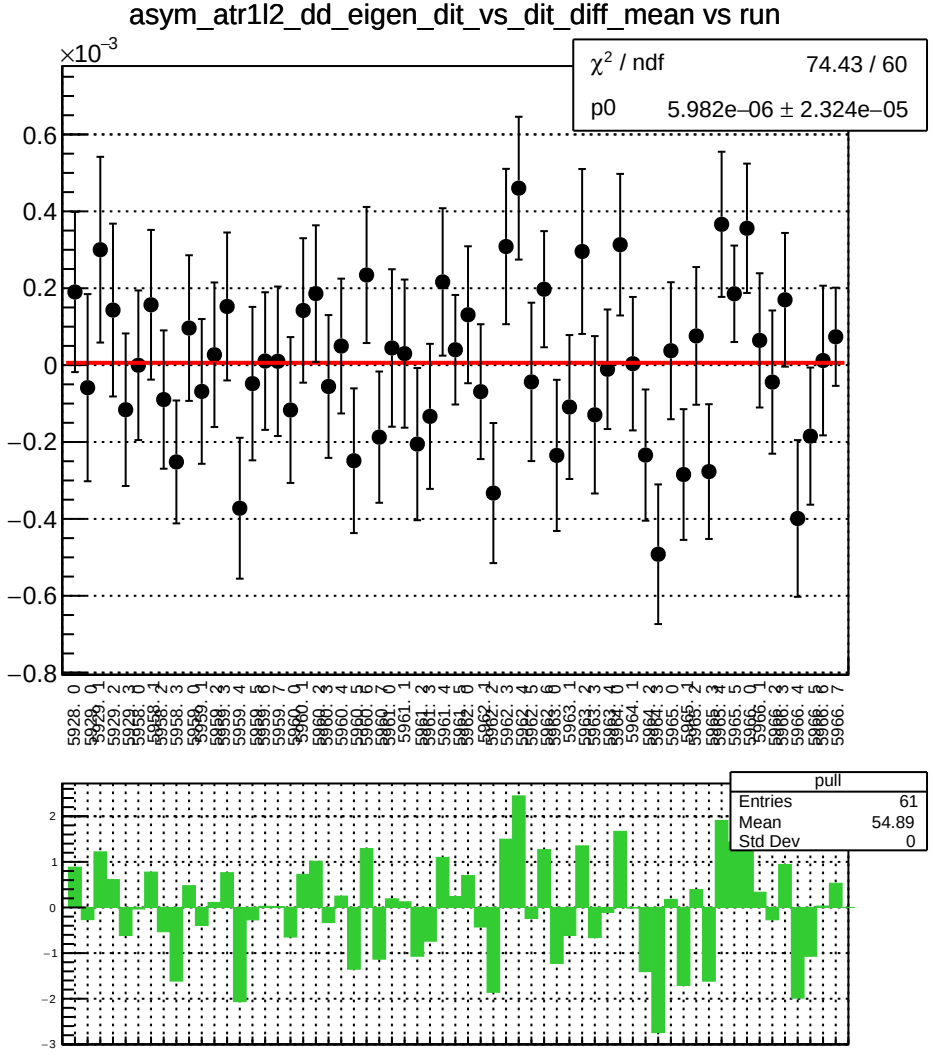

pull1D
Entries 61
Mean −0.0185
Std Dev 1.092

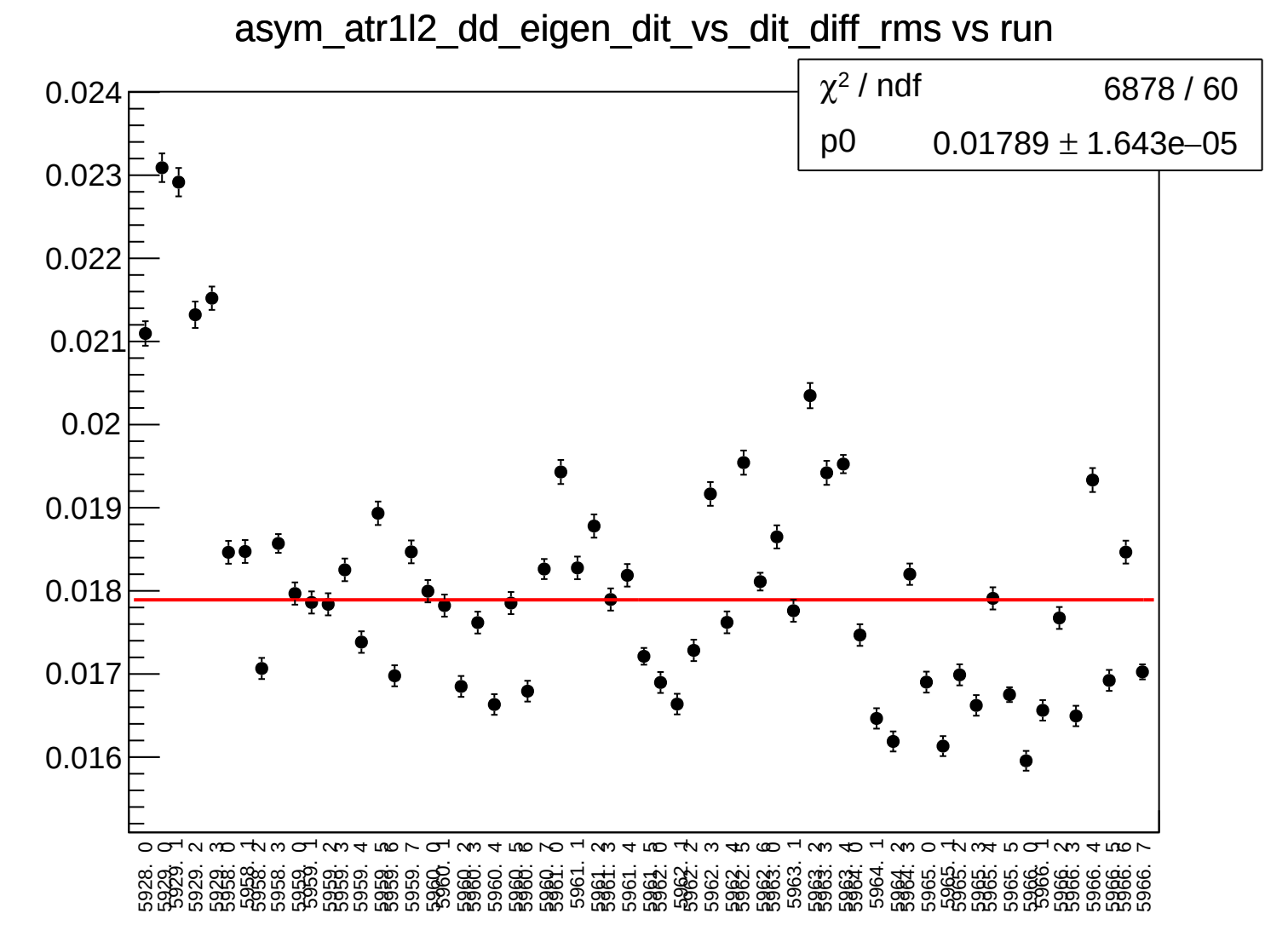

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.047e+04 / 60
p0 101 ± 0.09368
160
140
120
100
80
60

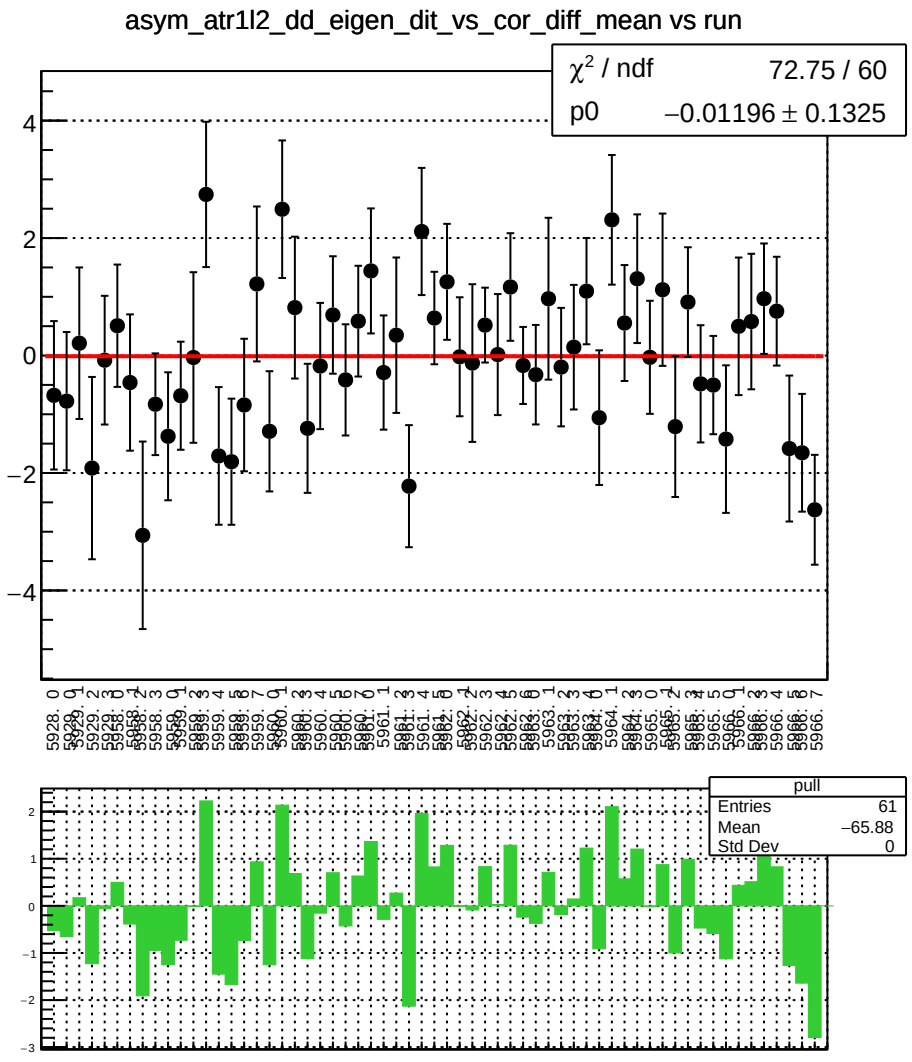

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.76 / 60
p0 −0.01197 ± 0.1325
pull
Entries 61
Mean −65.87
Std Dev 0

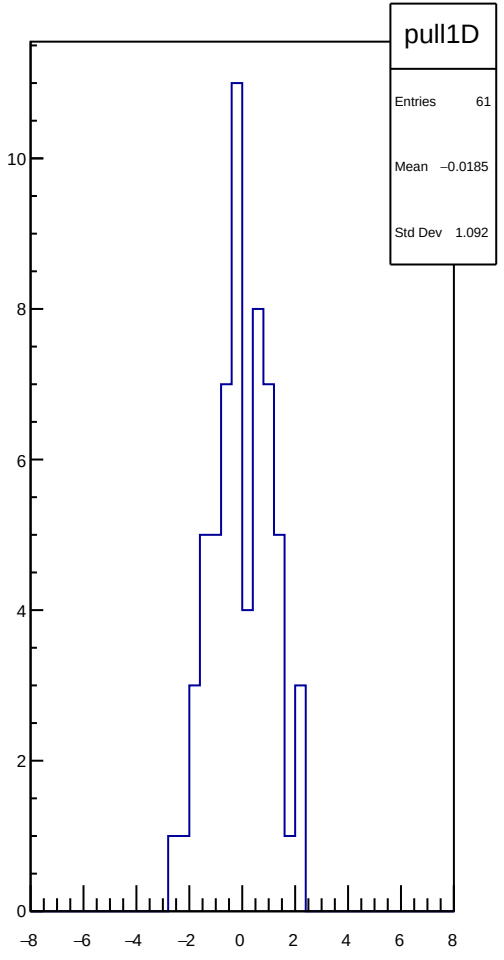

pull1D
Entries 61
Mean −0.0185
Std Dev 1.092

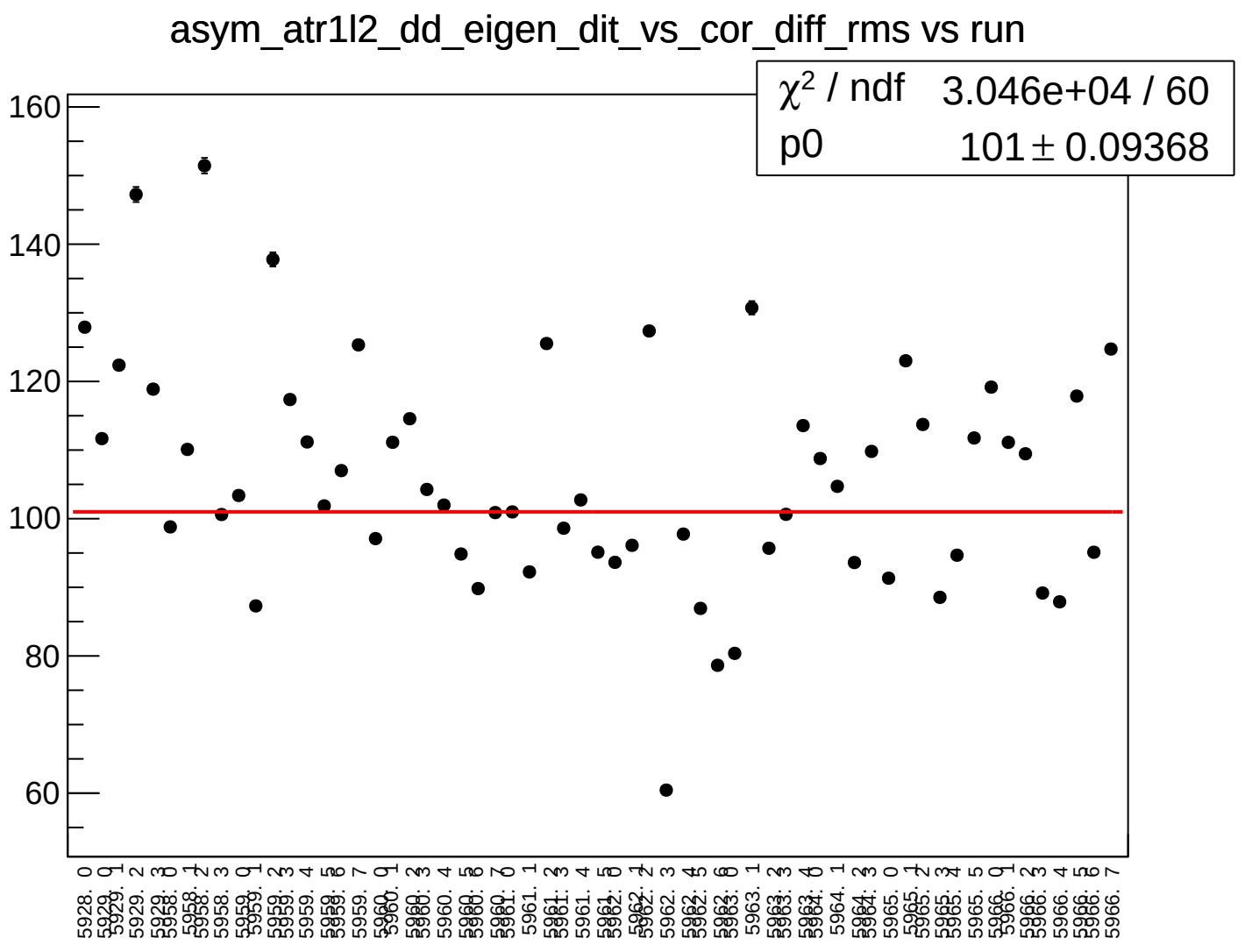

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.047e+04 / 60
p0 101 ± 0.09368
160
140
120
100
80
60

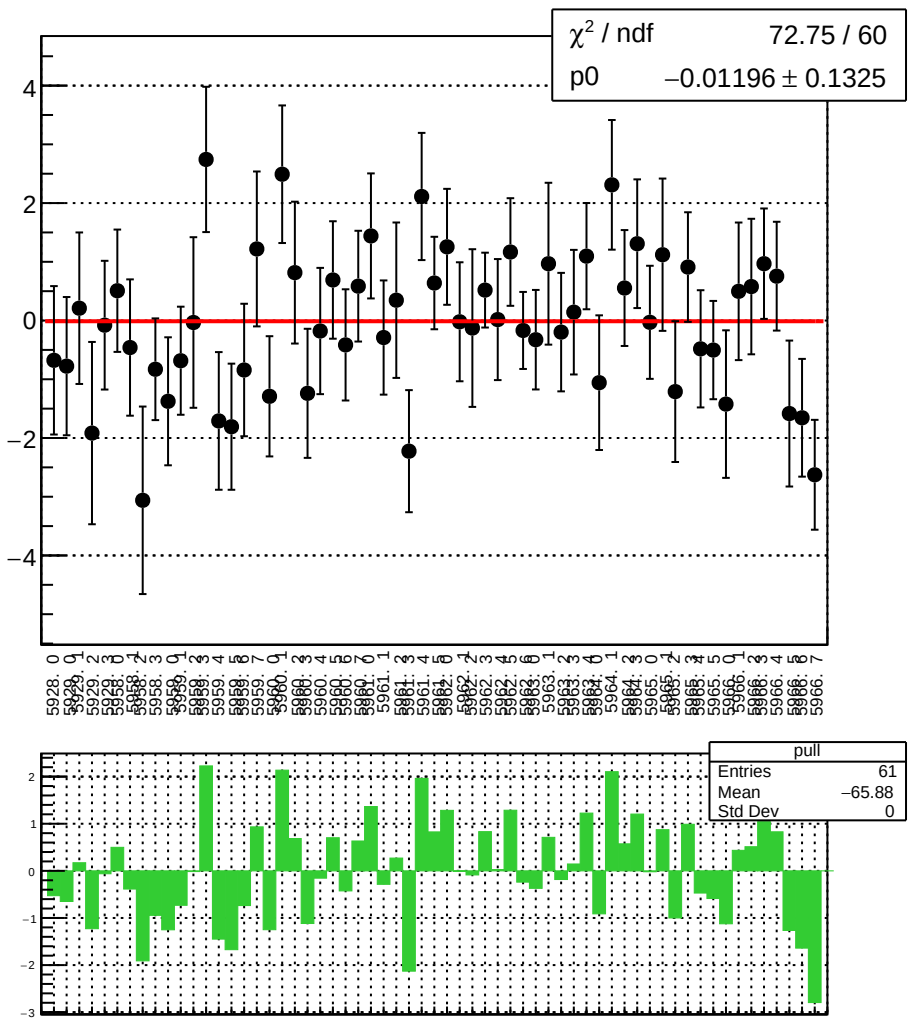

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 74.43 / 60
p0 5.982e−06 ± 2.324e−05
pull
Entries 61
Mean 54.89
Std Dev 0
pull1D
Entries 61
Mean −0.007005
Std Dev 1.105

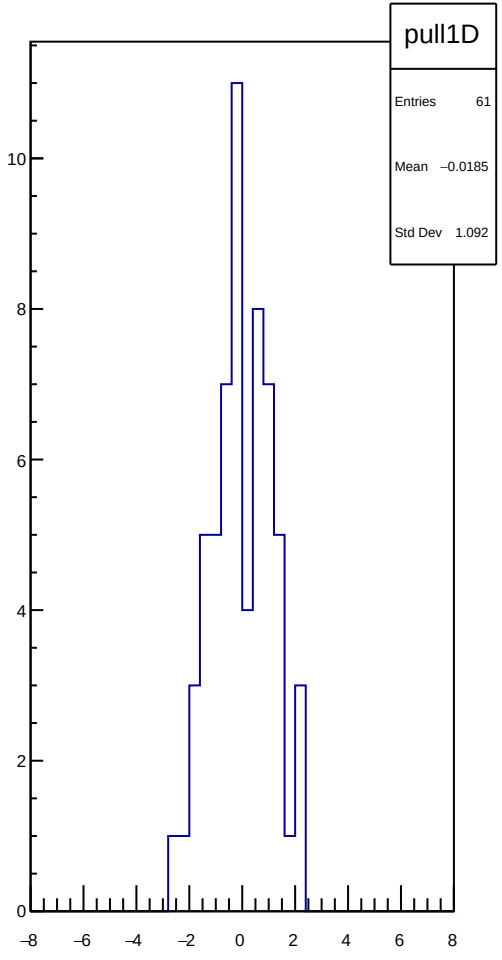

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6878 / 60
p0 0.01789 ± 1.643e−05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
0.017
0.016

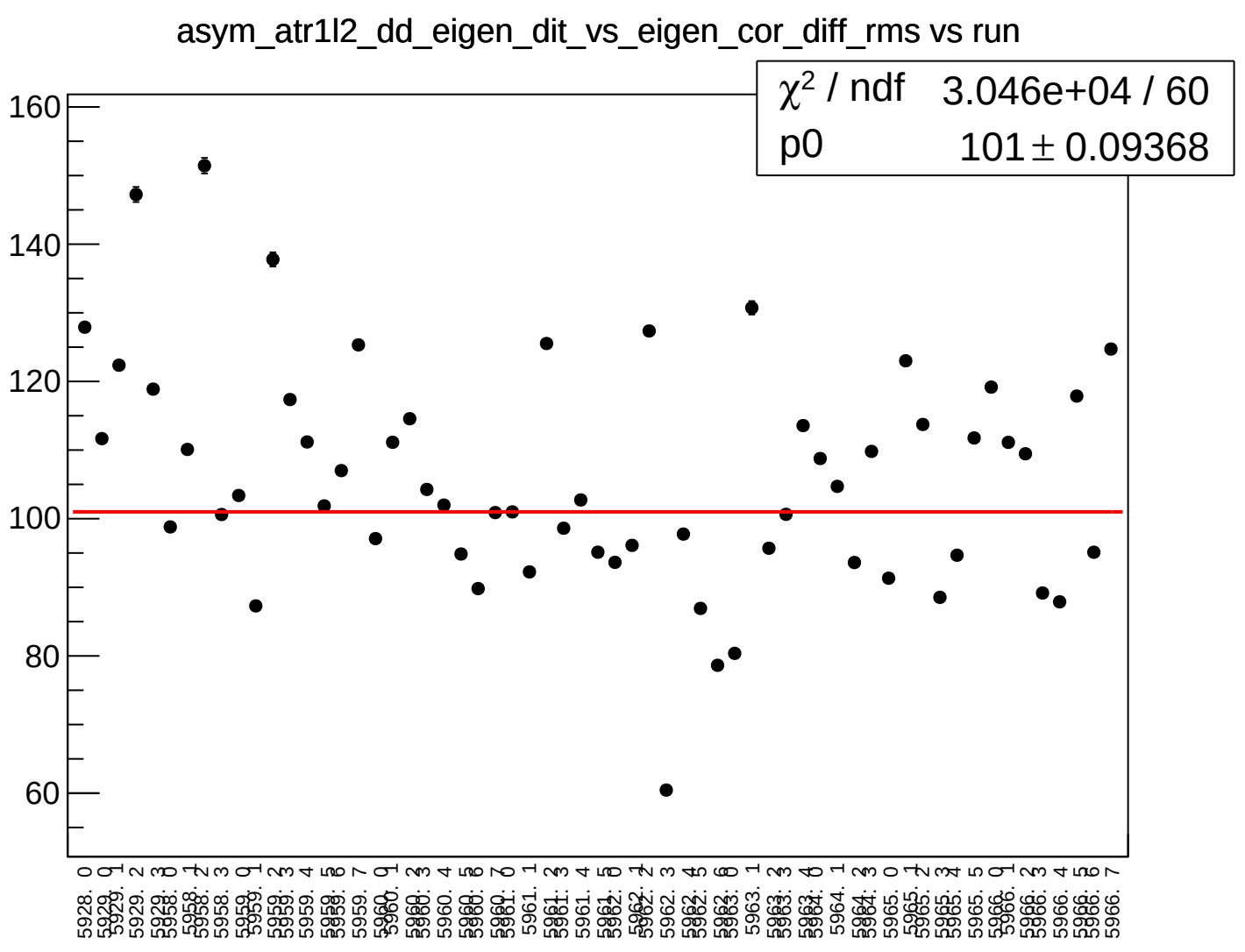

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.75 / 60
p0 −0.01196 ± 0.1325
pull
Entries 61
Mean −65.88
Std Dev 0

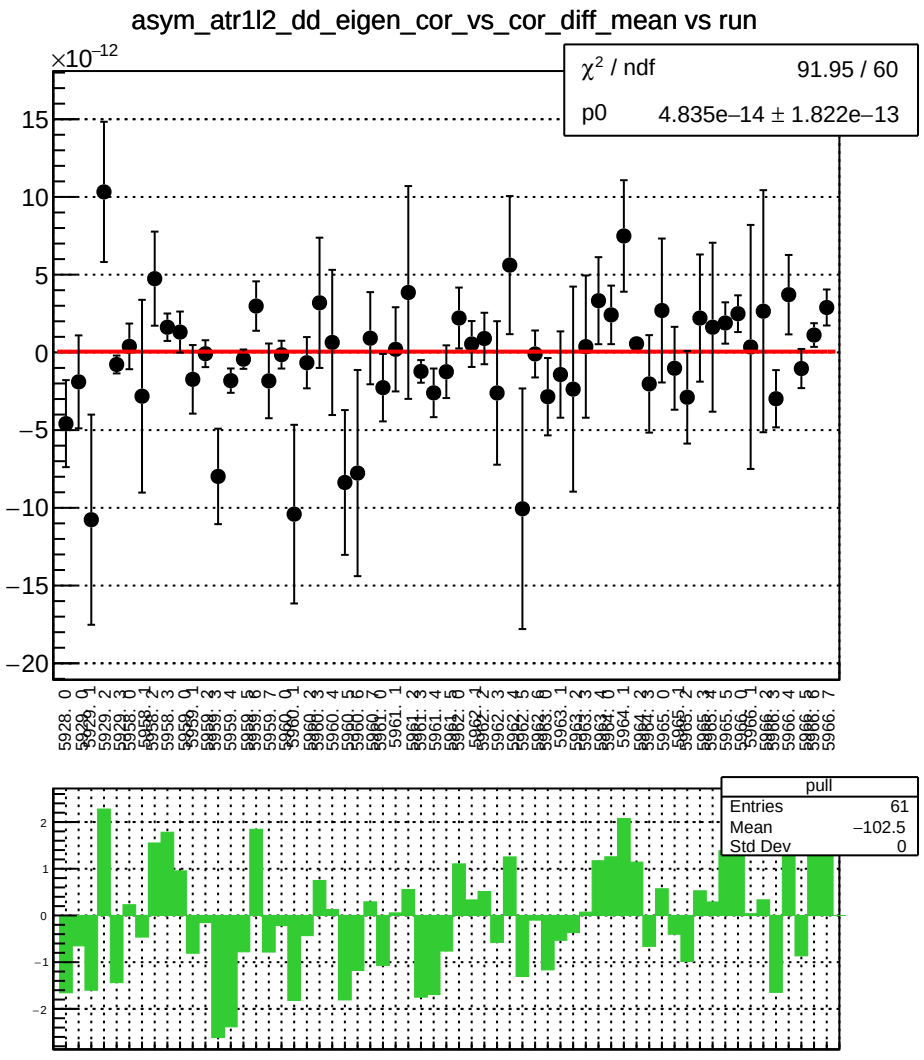

pull1D
Entries 61
Mean −0.0185
Std Dev 1.092

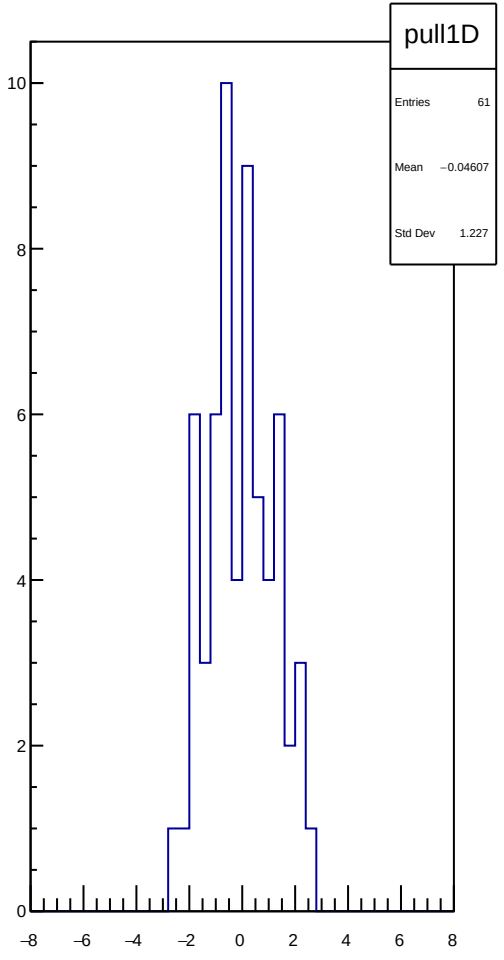

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.046e+04 / 60
p0 101 ± 0.09368
160
140
120
100
80
60

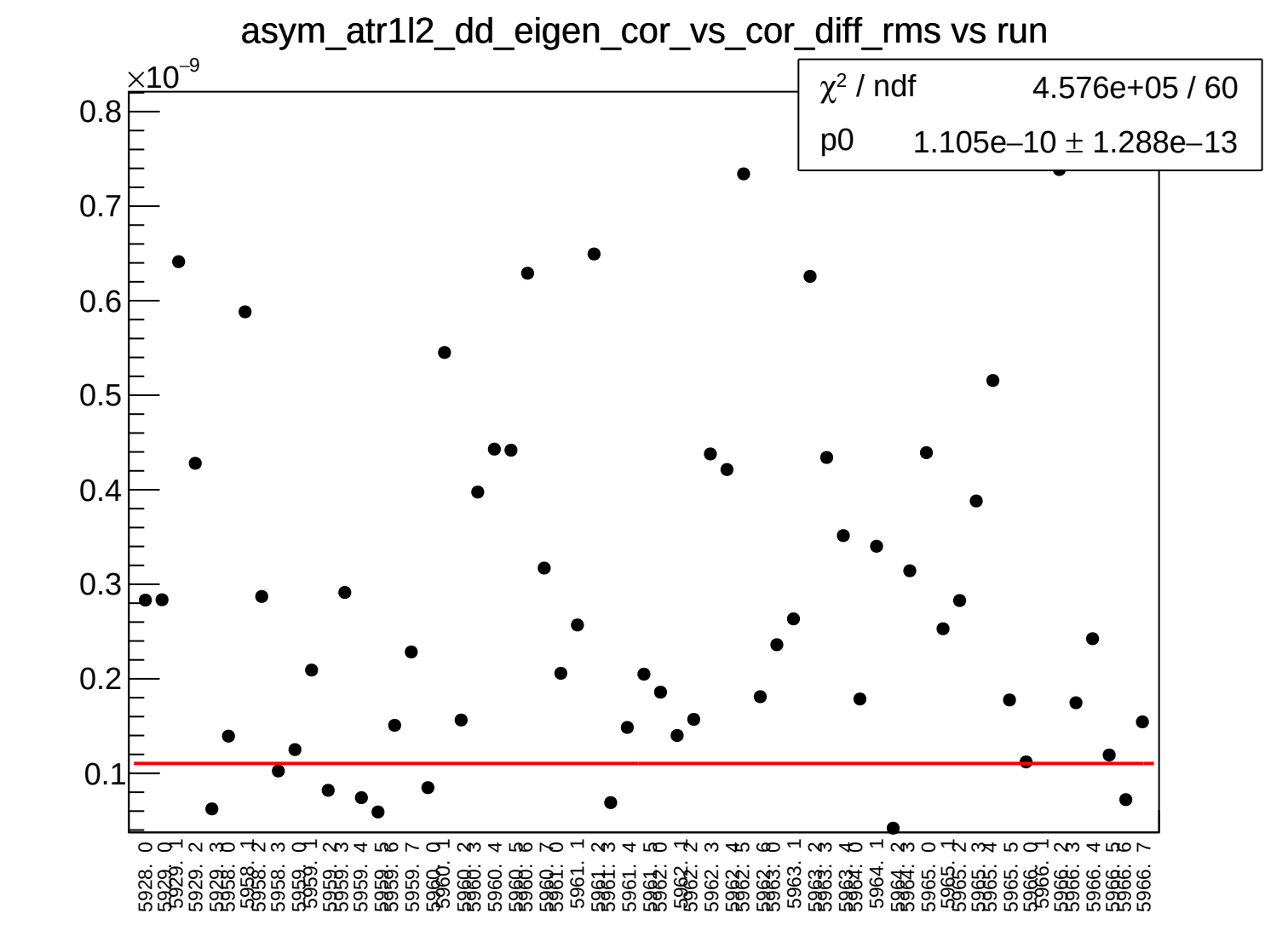

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.75 / 60
p0 −0.01196 ± 0.1325
pull
Entries 61
Mean −65.88
Std Dev 0

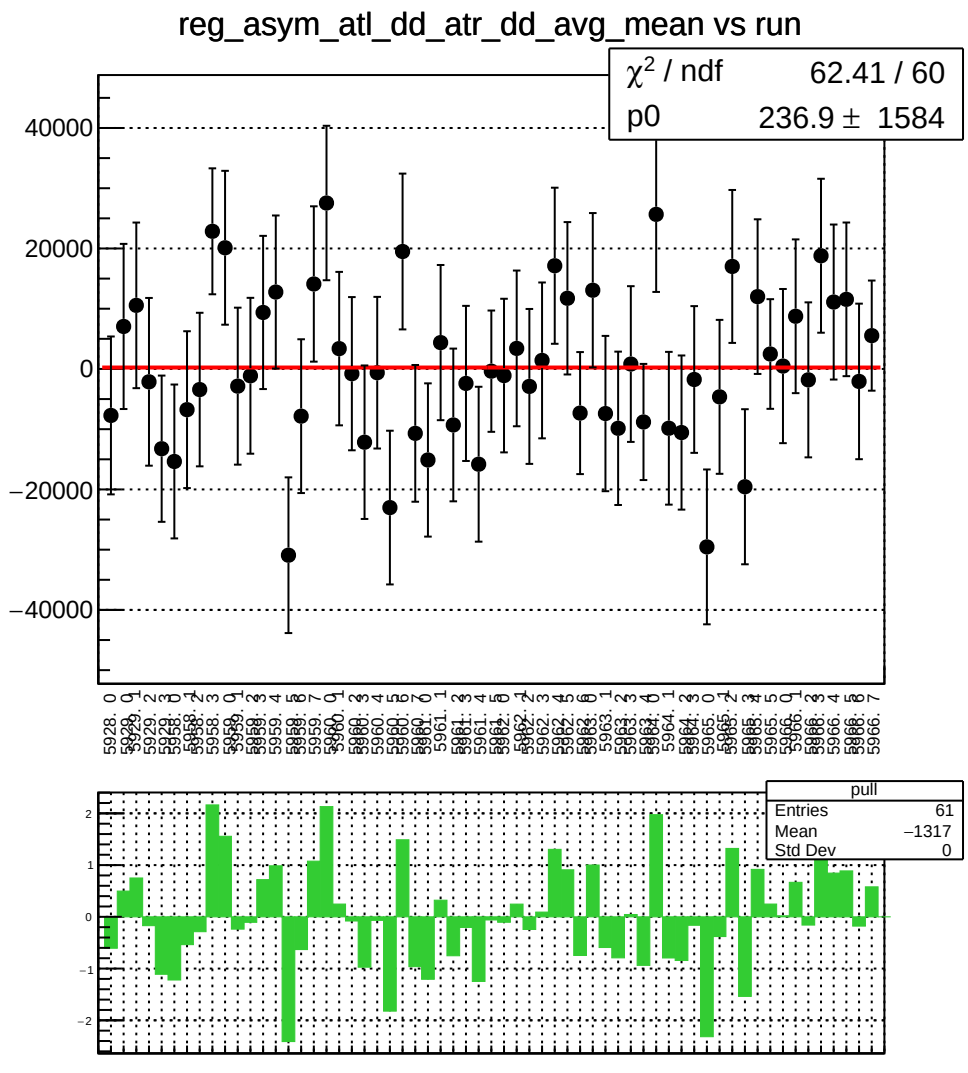

pull1D
Entries 61
Mean −0.0185
Std Dev 1.092

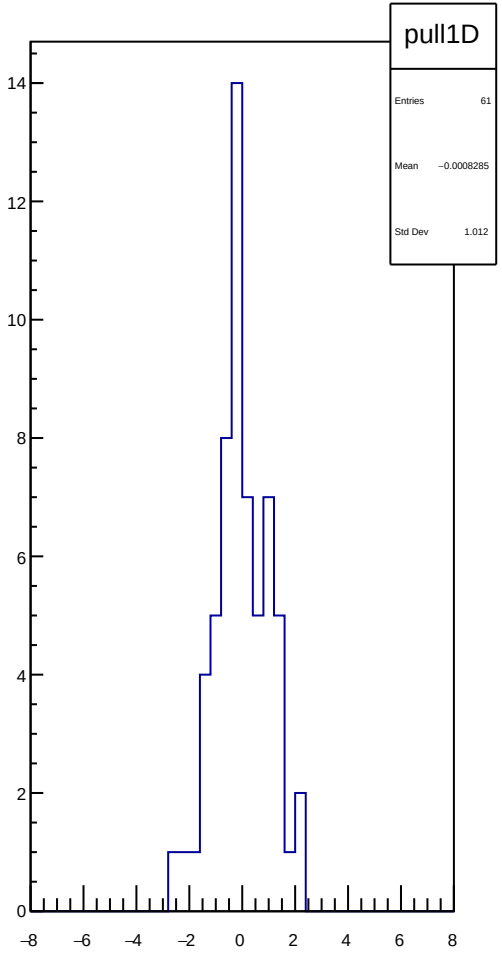

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.046e+04 / 60
p0 101 ± 0.09368
160
140
120
100
80
60

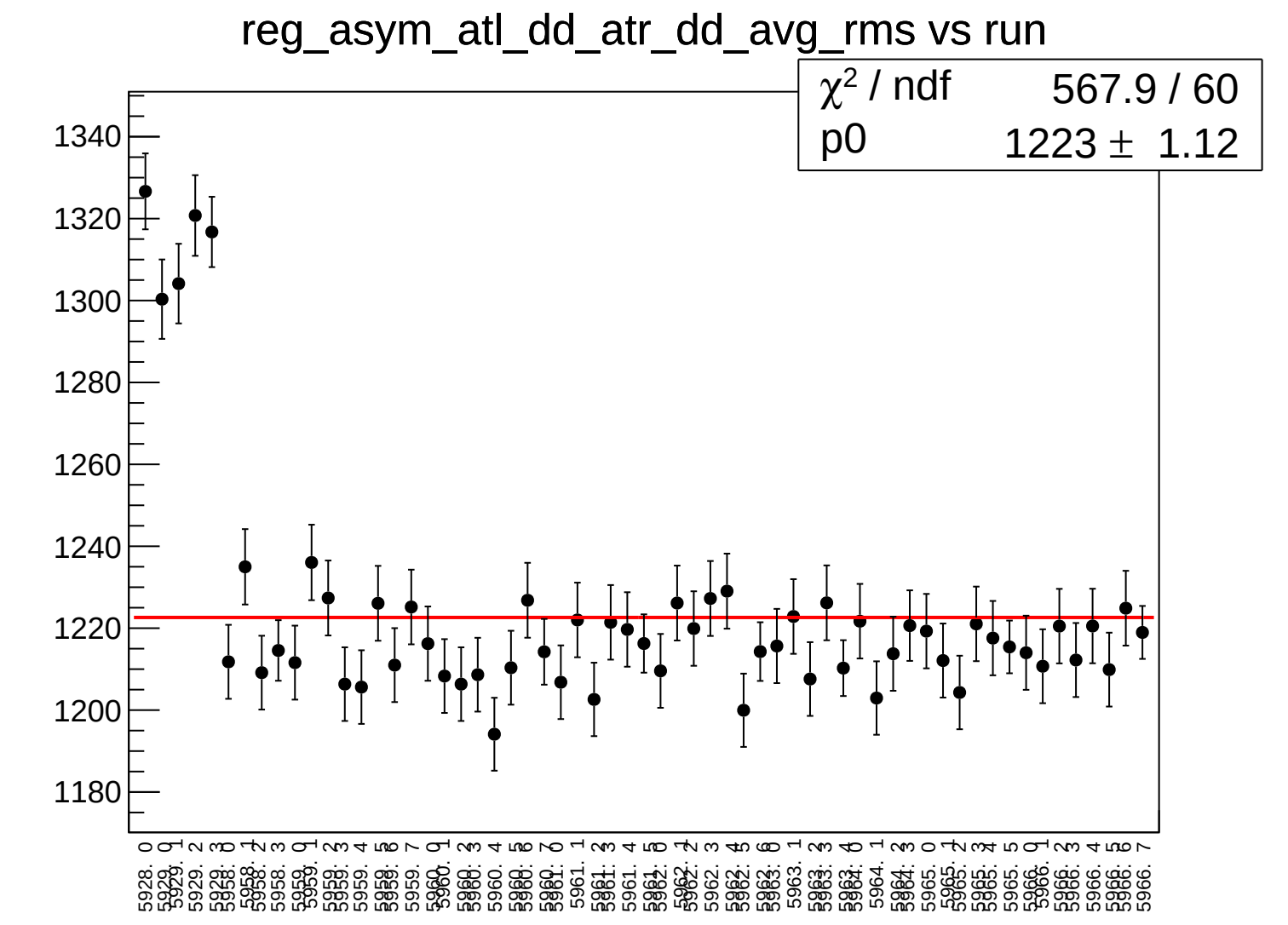

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.95 / 60
p0 4.835e−14 ± 1.822e−13
pull
Entries 61
Mean −102.5
Std Dev 0

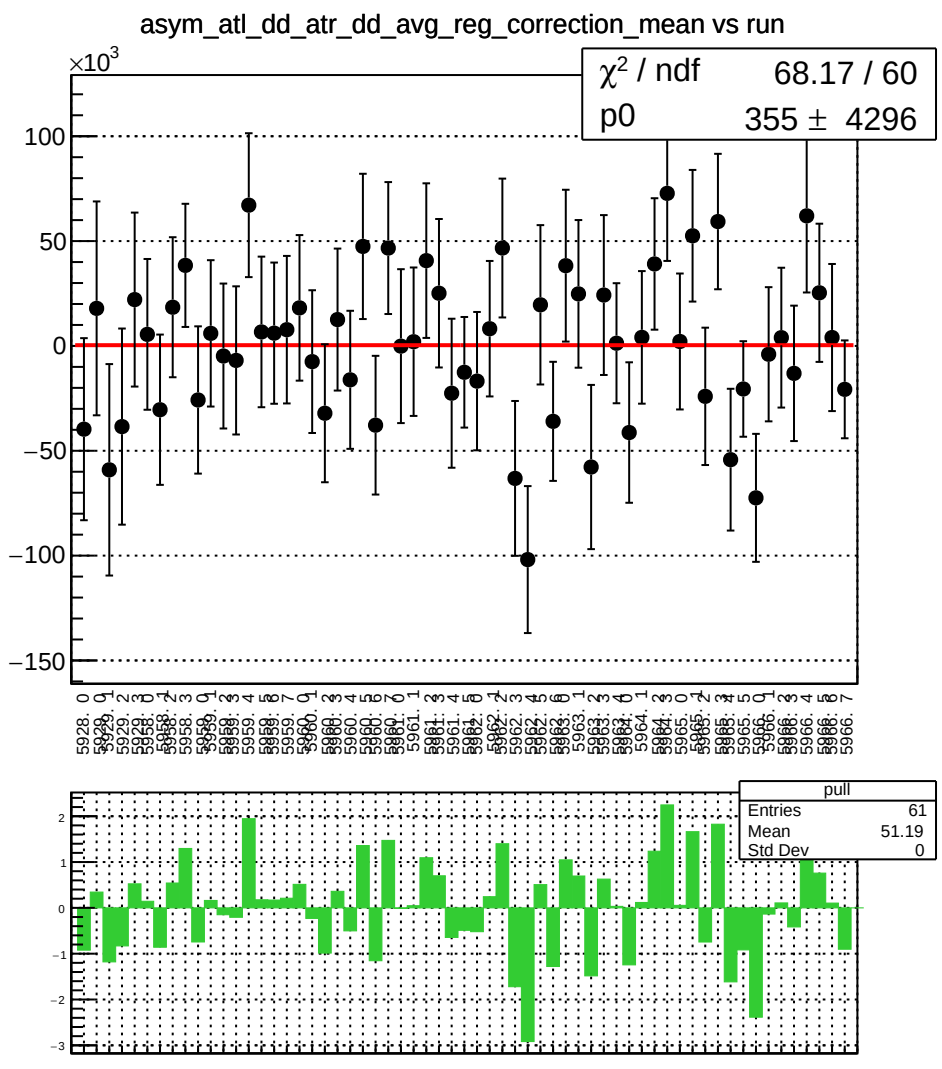

pull1D
Entries 61
Mean −0.04607
Std Dev 1.227

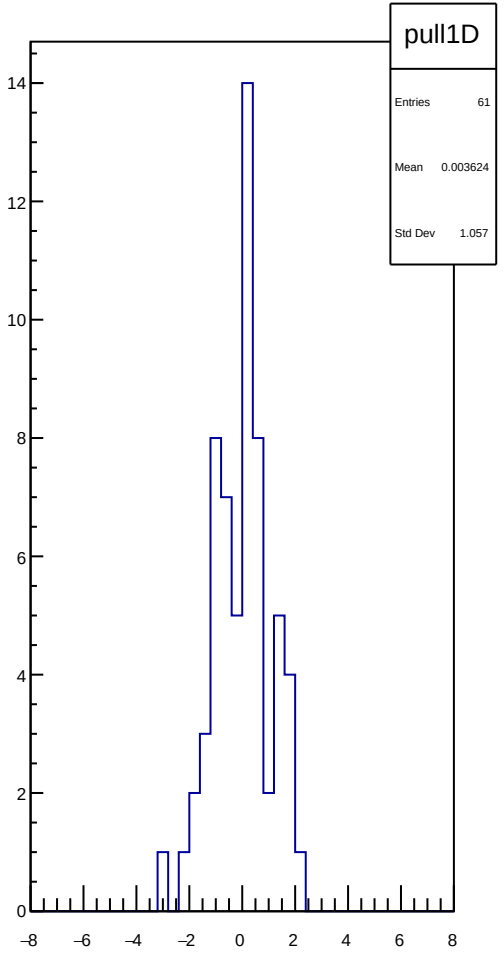

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.576e+05 / 60
p0 1.105e−10 ± 1.288e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

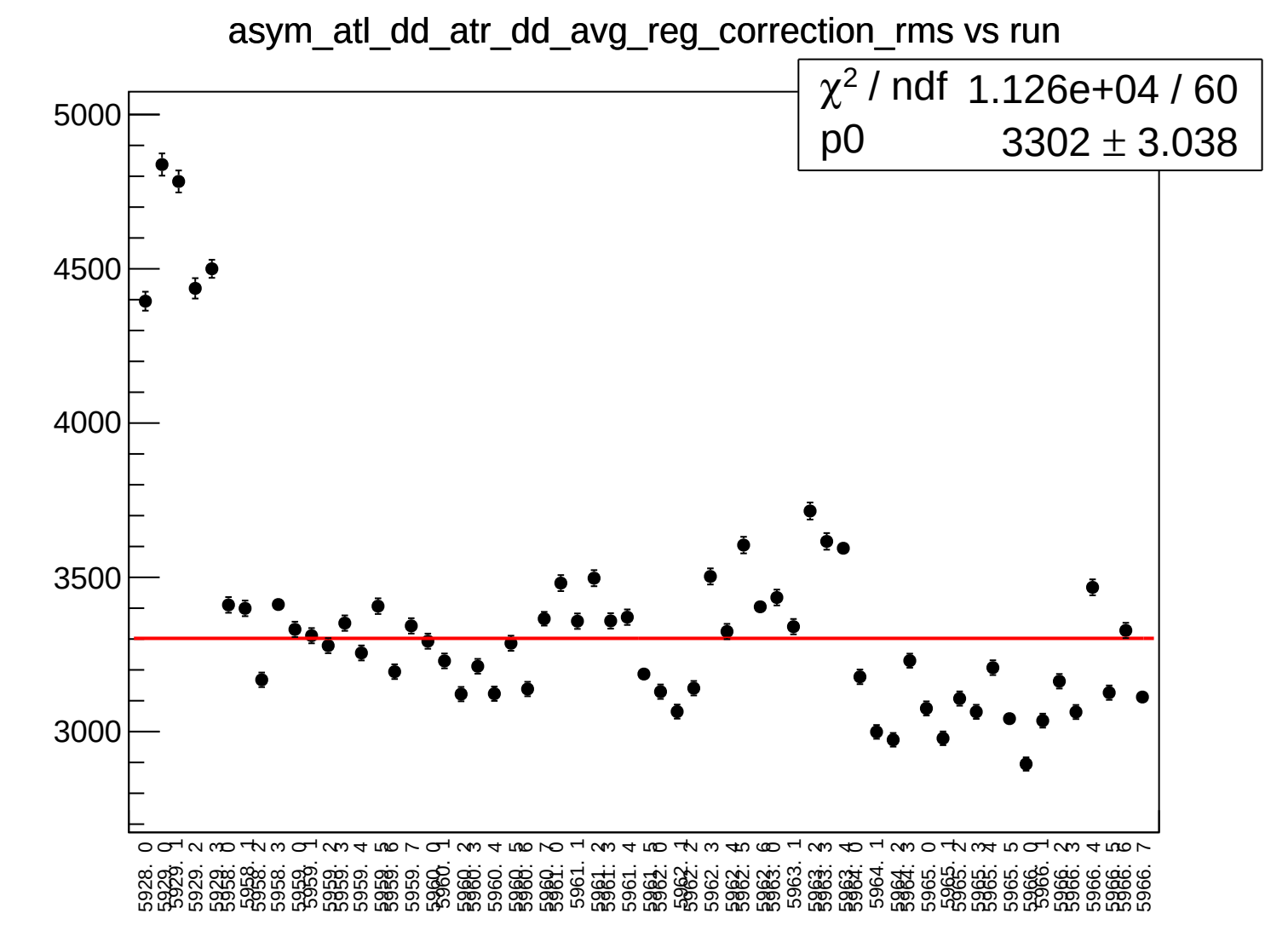

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 62.41 / 60
p0 236.9 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

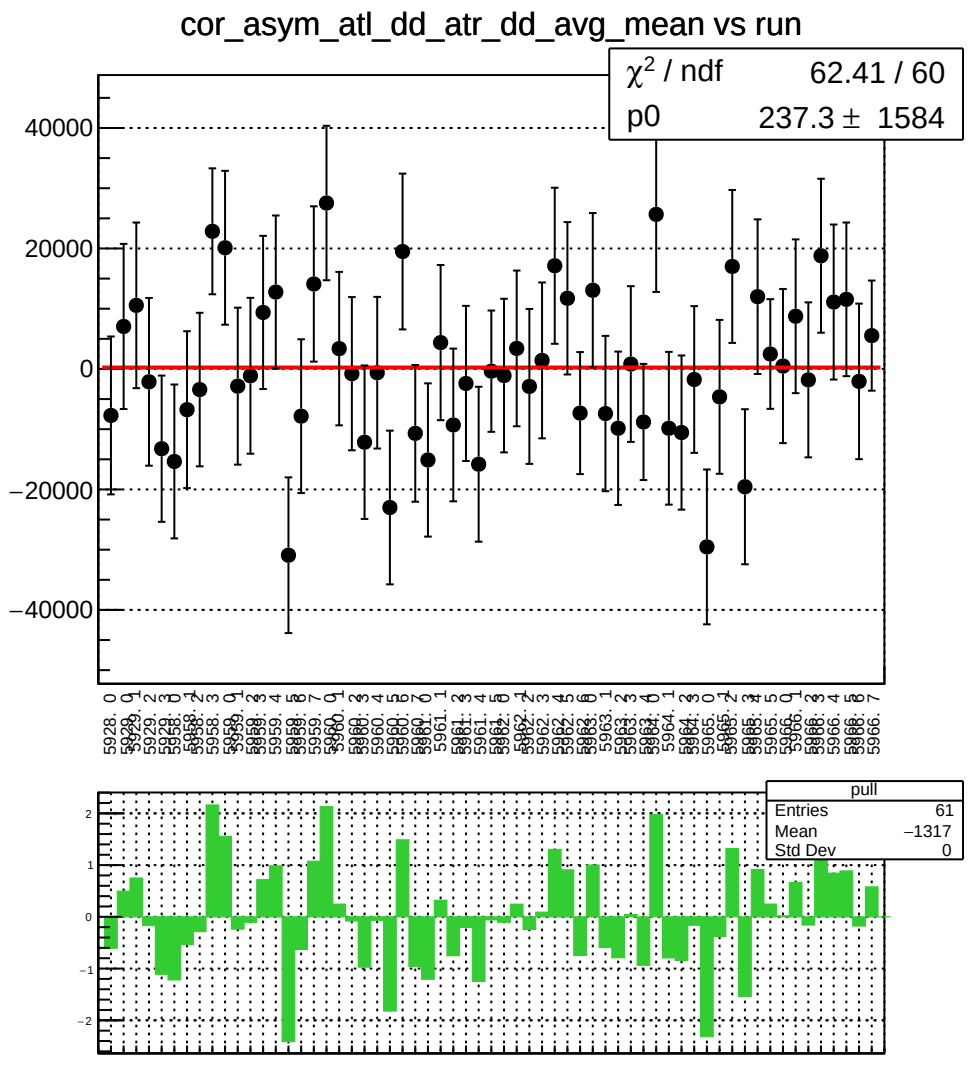

pull1D
Entries 61
Mean −0.0008285
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

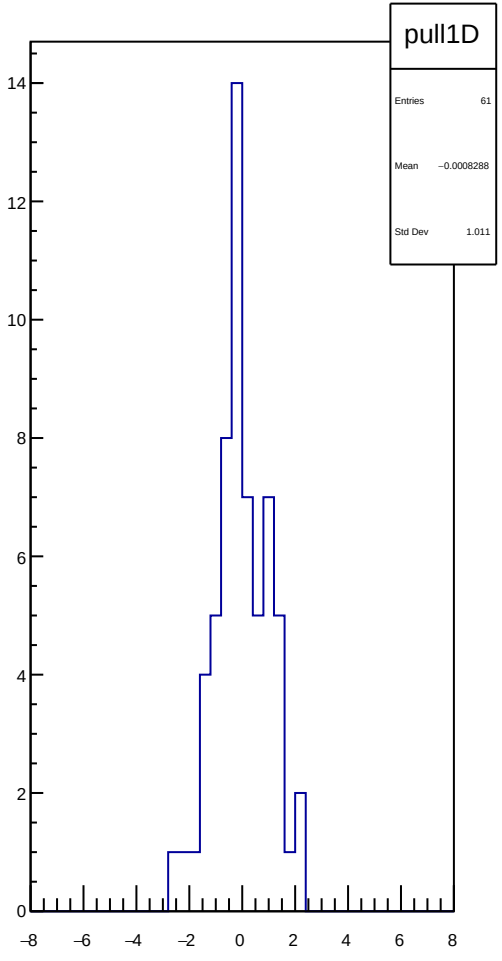

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

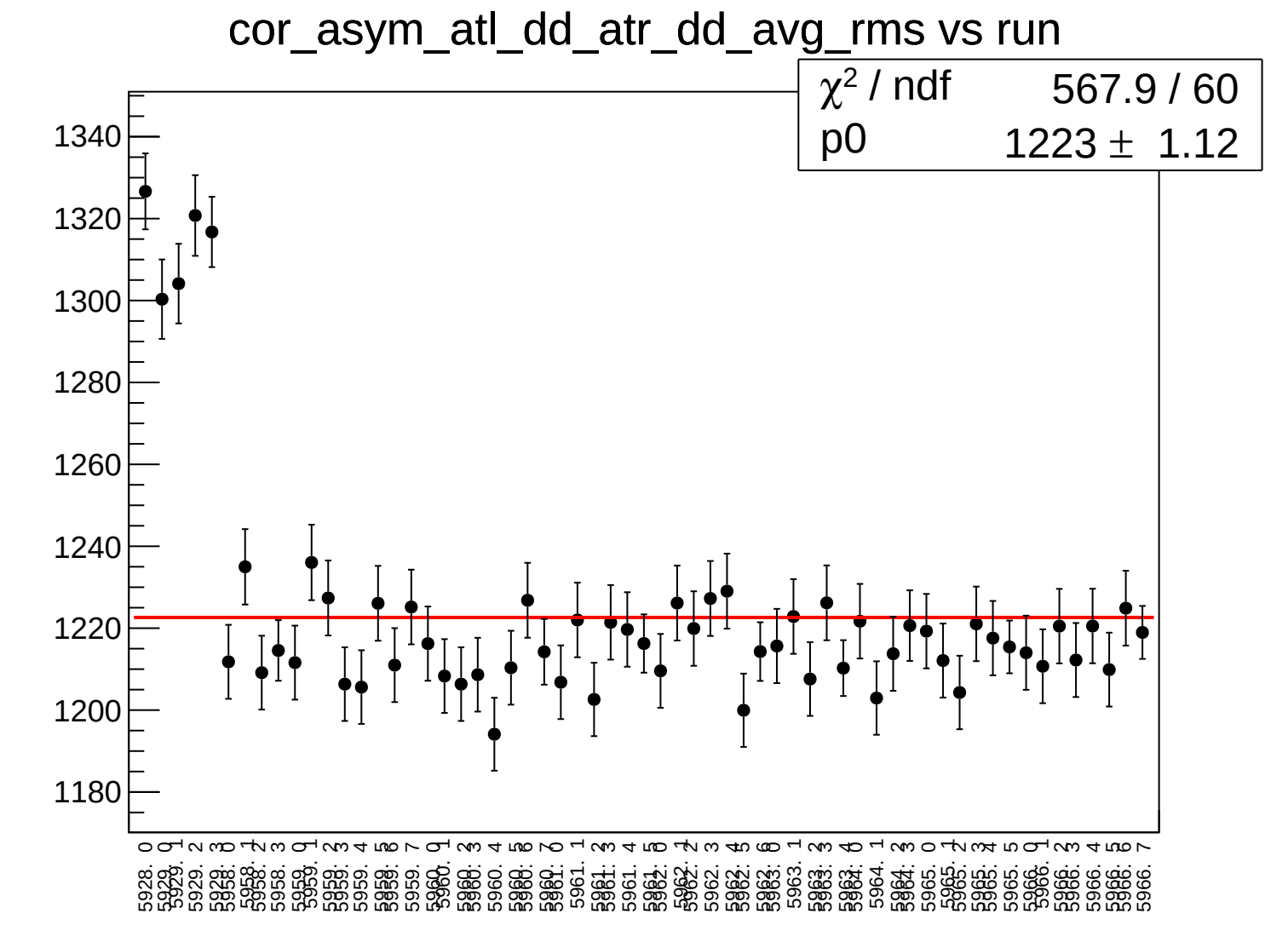

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 355 ± 4296
pull
Entries 61
Mean 51.19
Std Dev 0

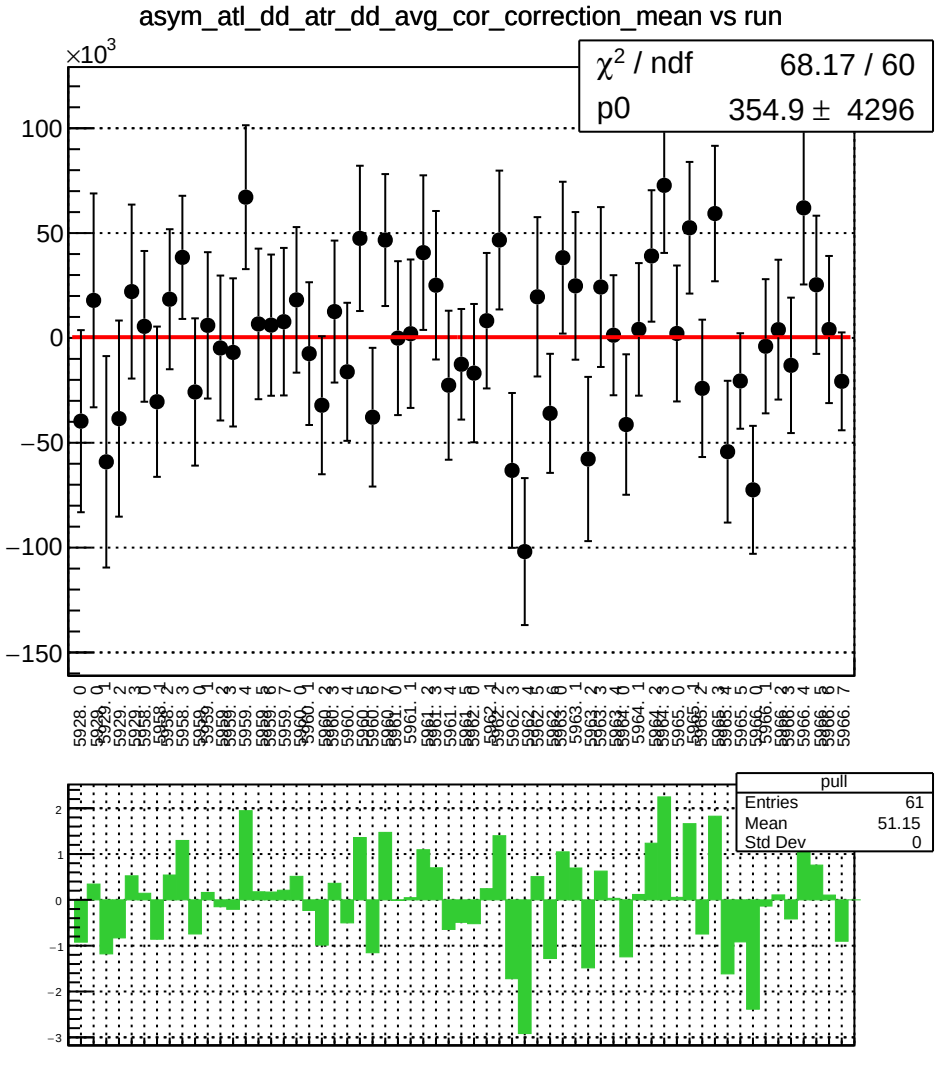

pull1D
Entries 61
Mean 0.003624
Std Dev 1.057

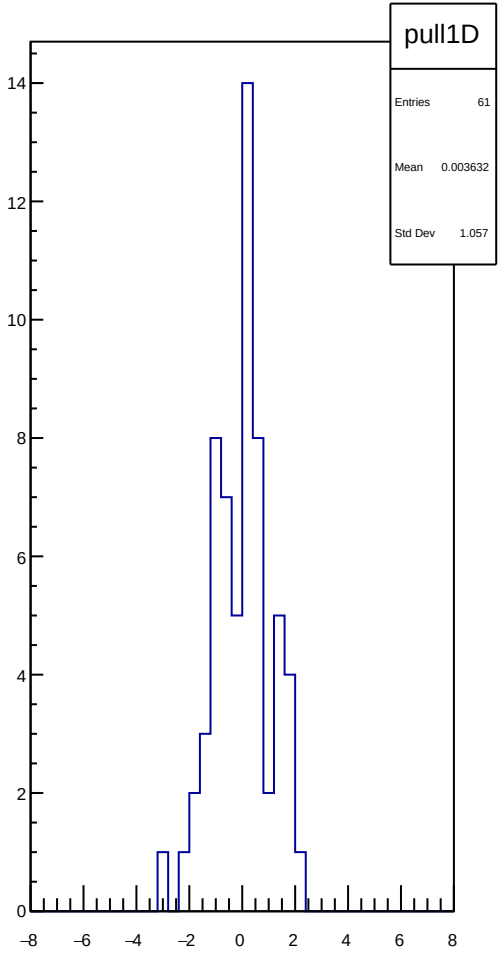

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

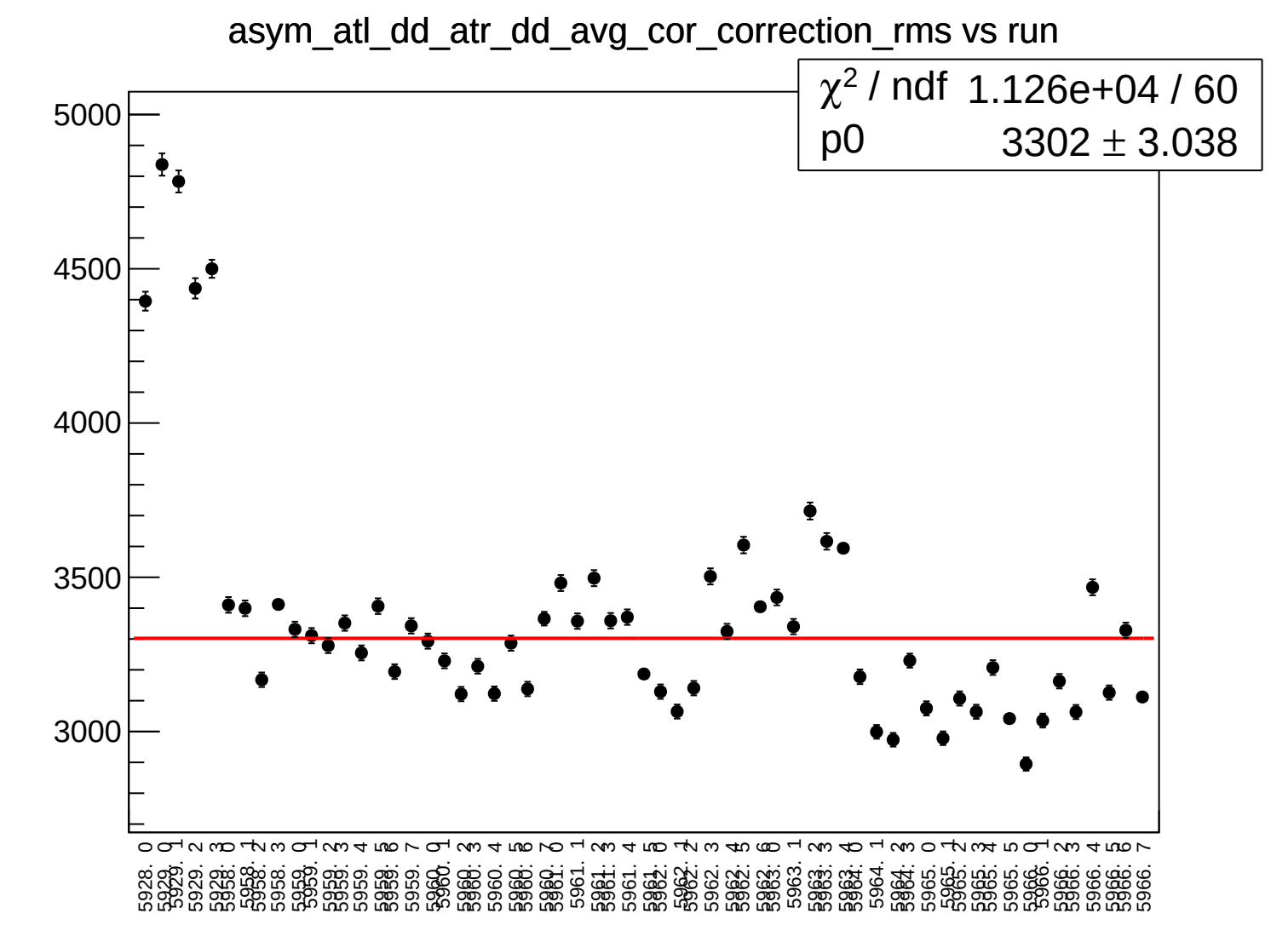

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

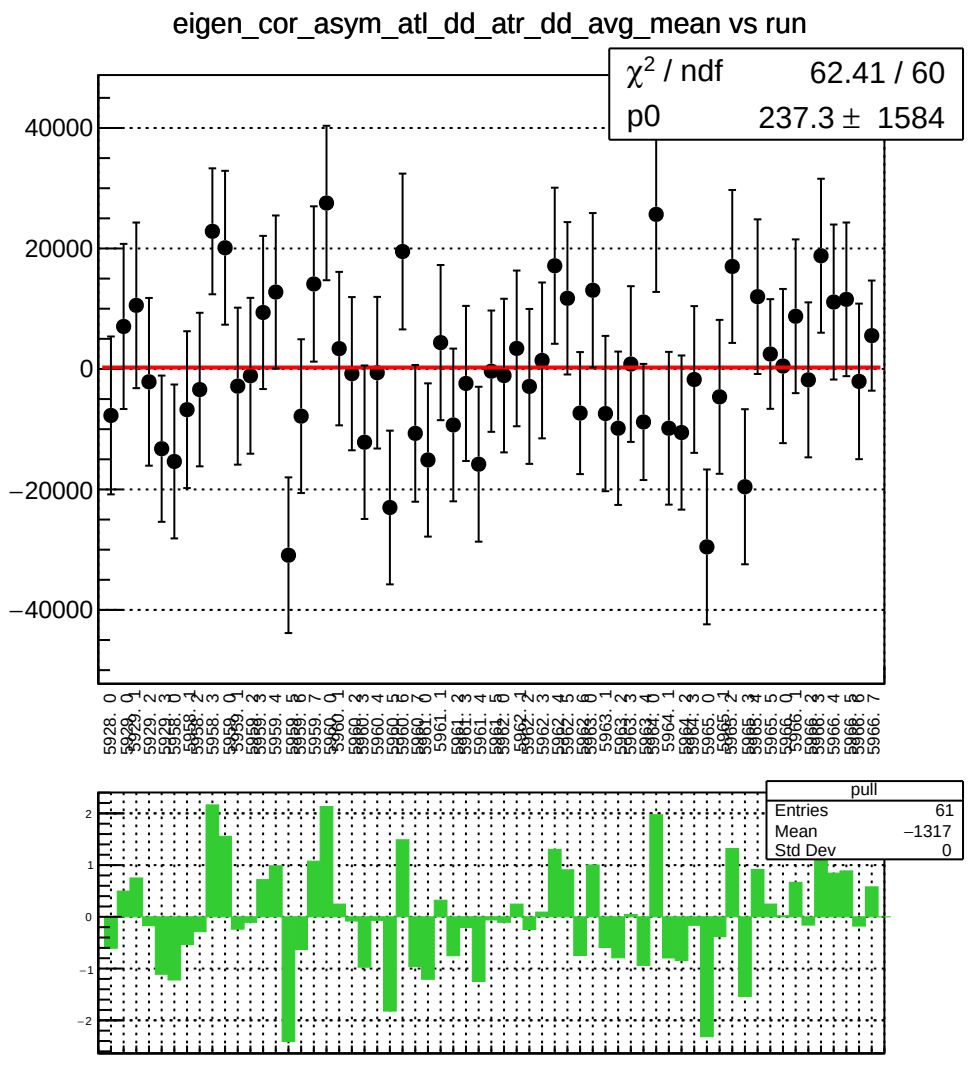

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

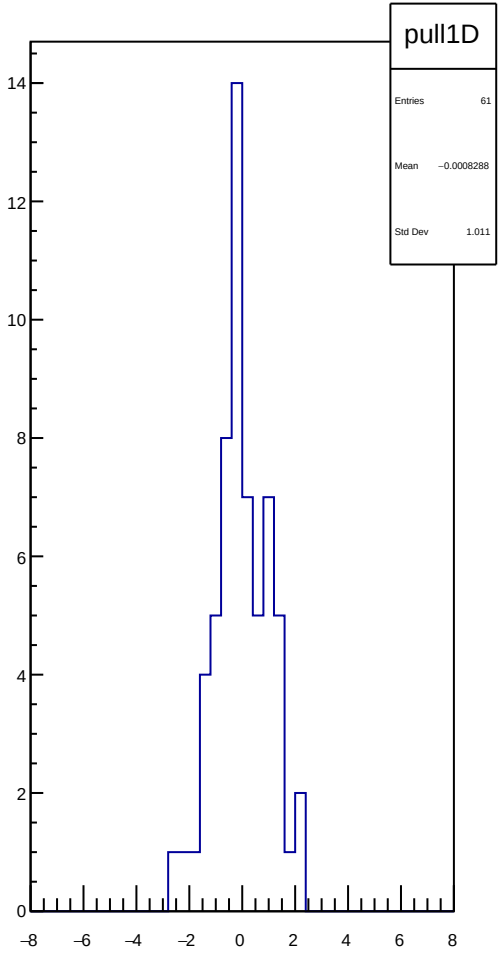

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

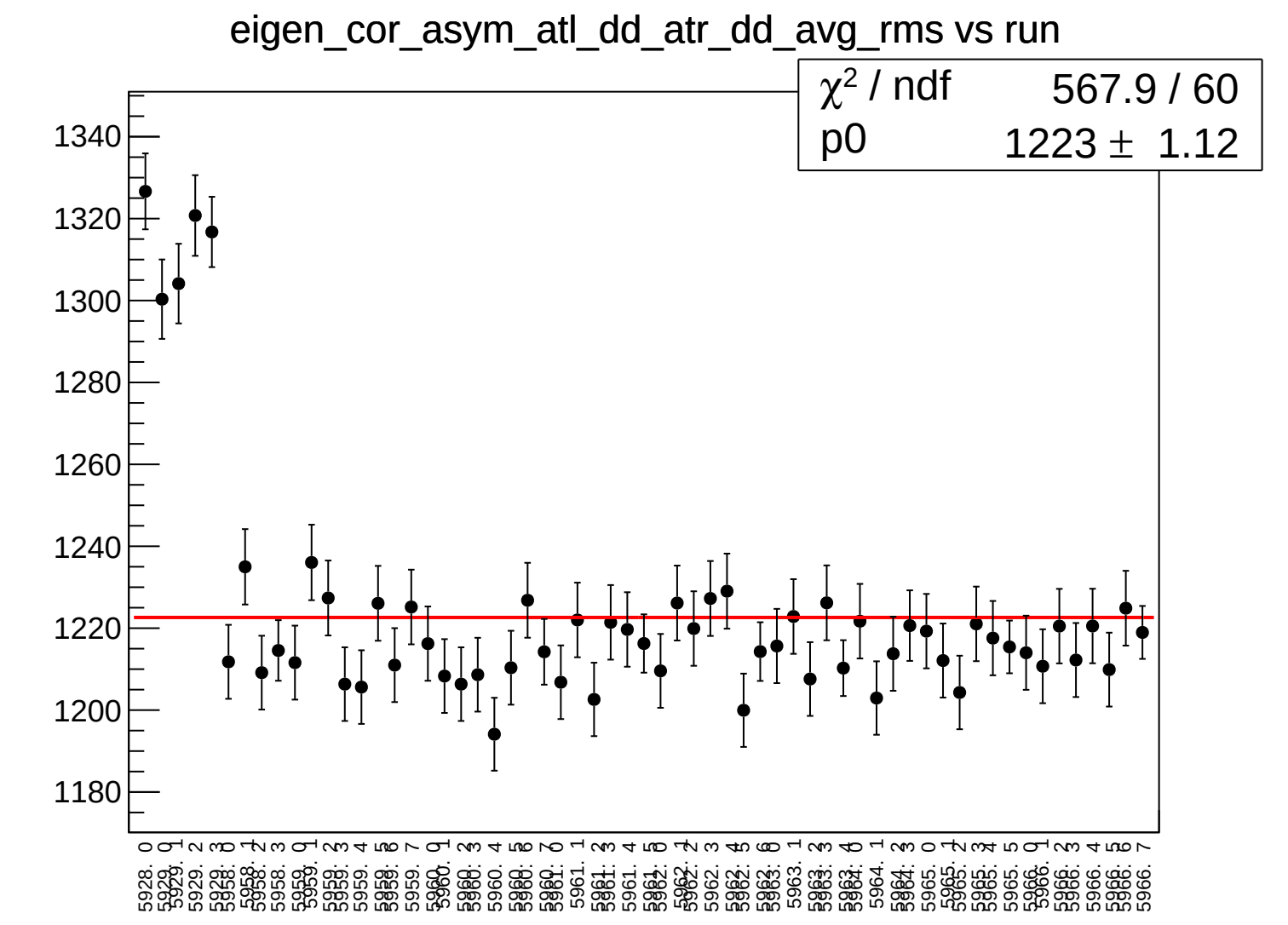

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
pull
Entries 61
Mean 51.15
Std Dev 0

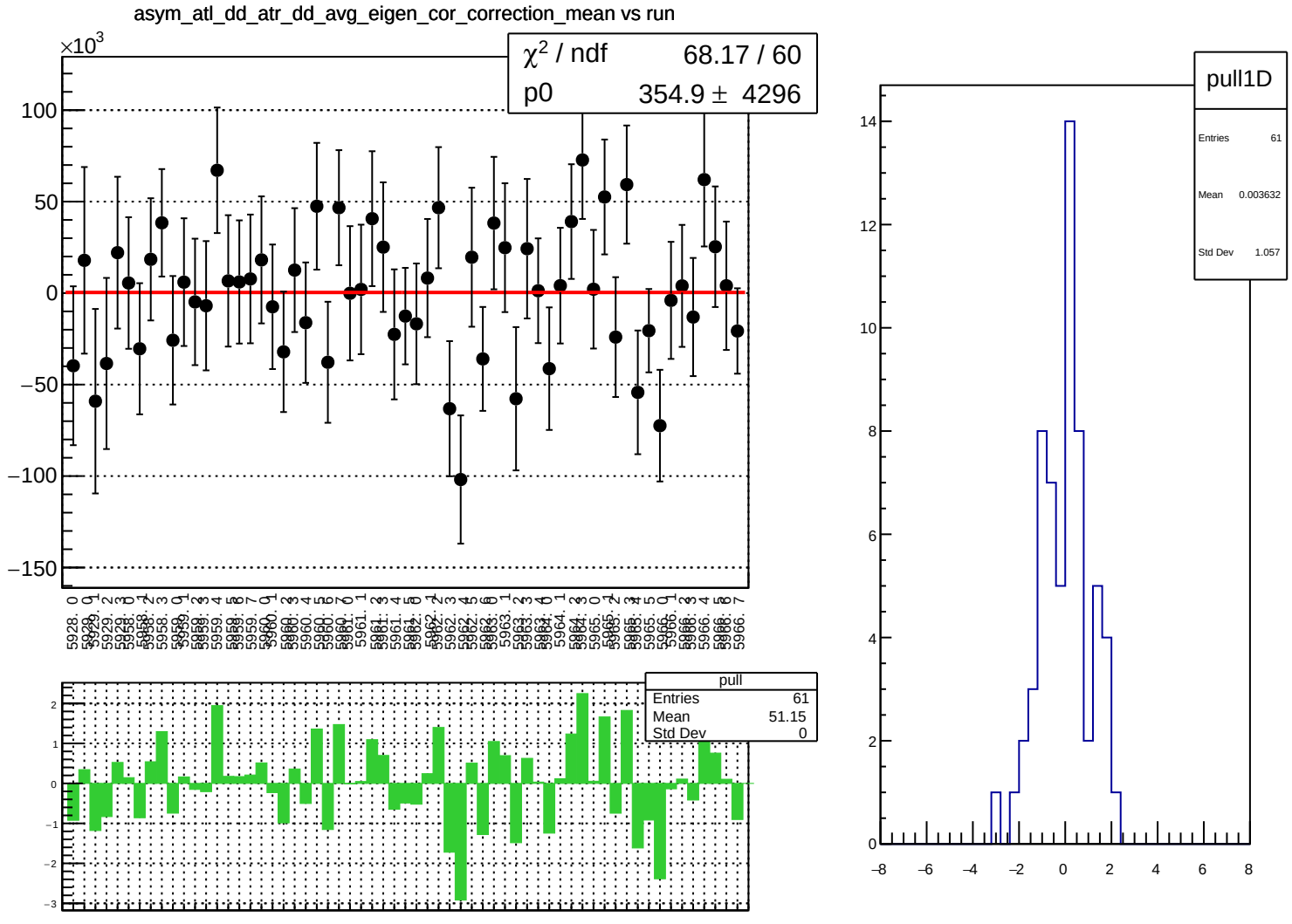

pull1D
Entries 61
Mean 0.003632
Std Dev 1.057

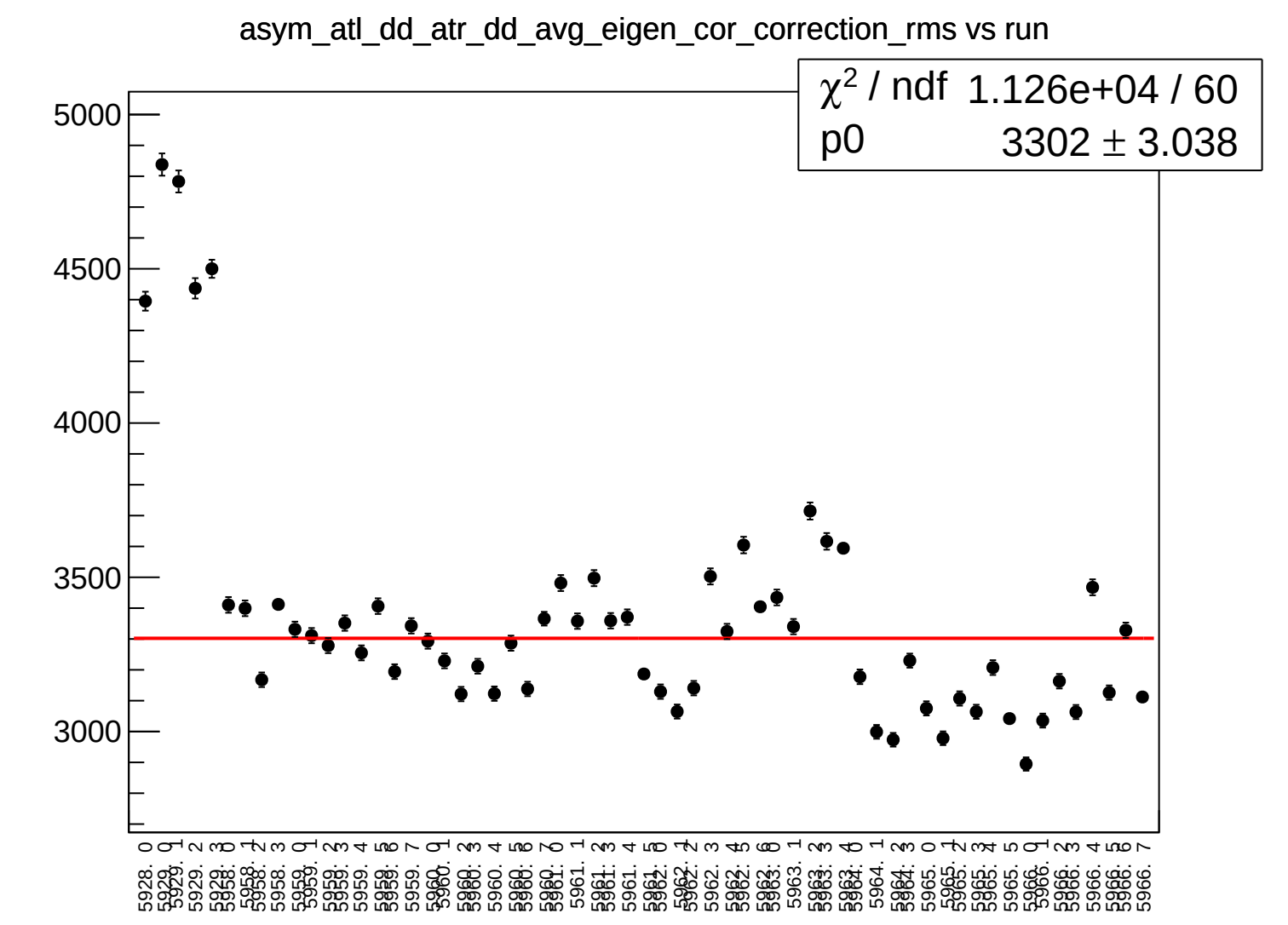

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

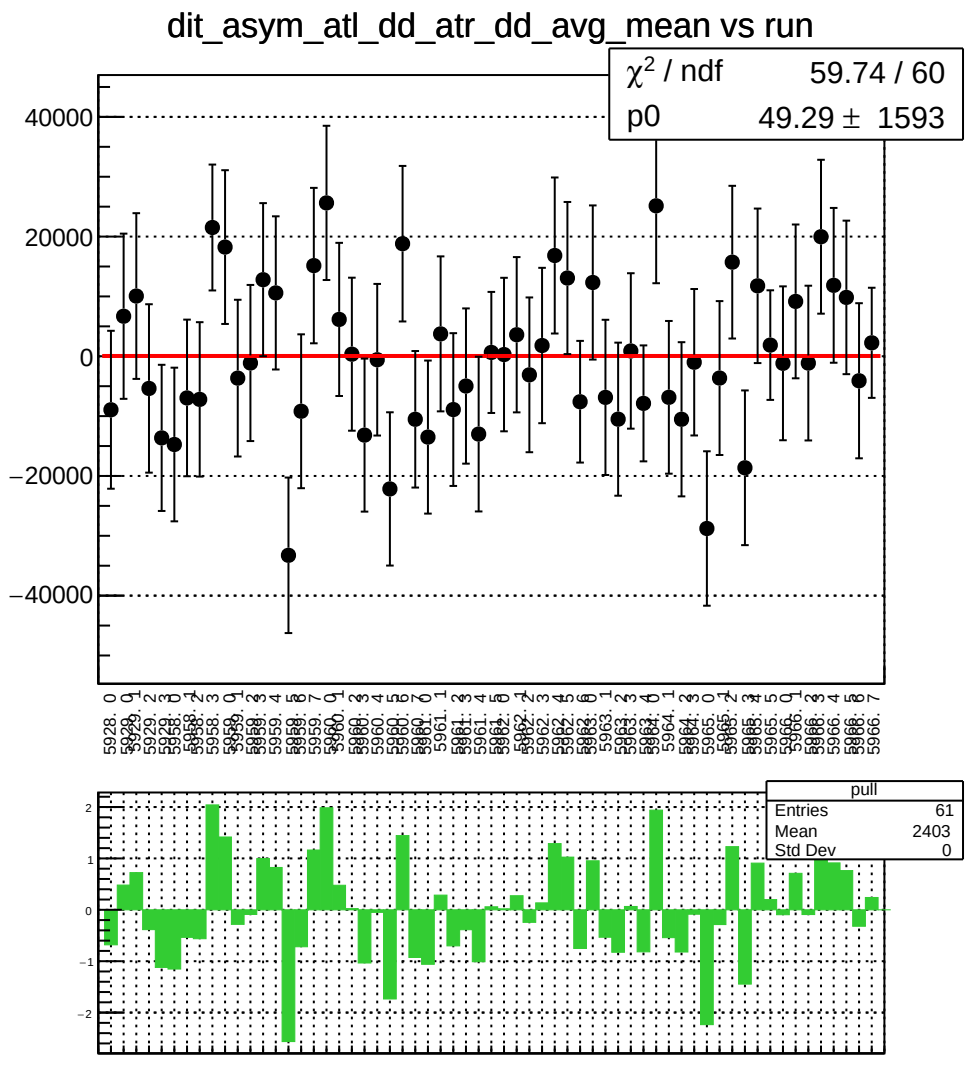

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

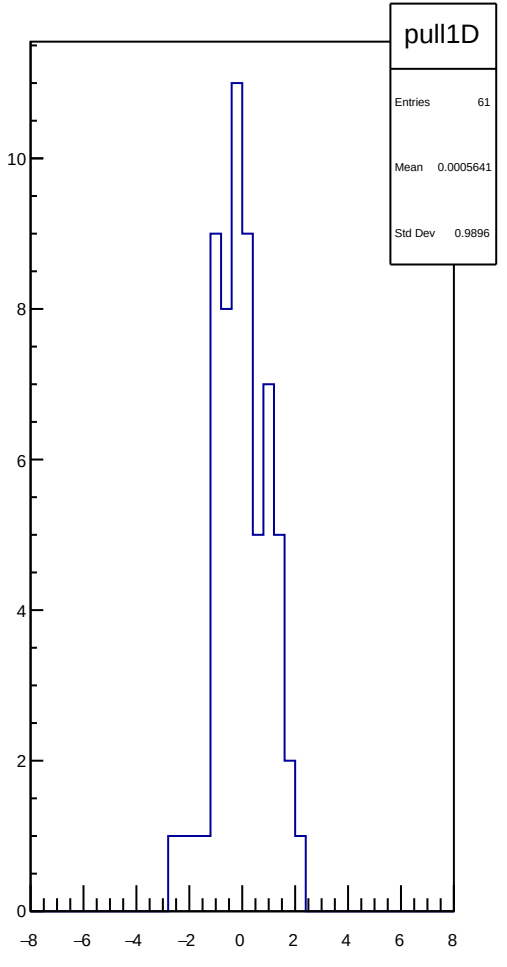

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

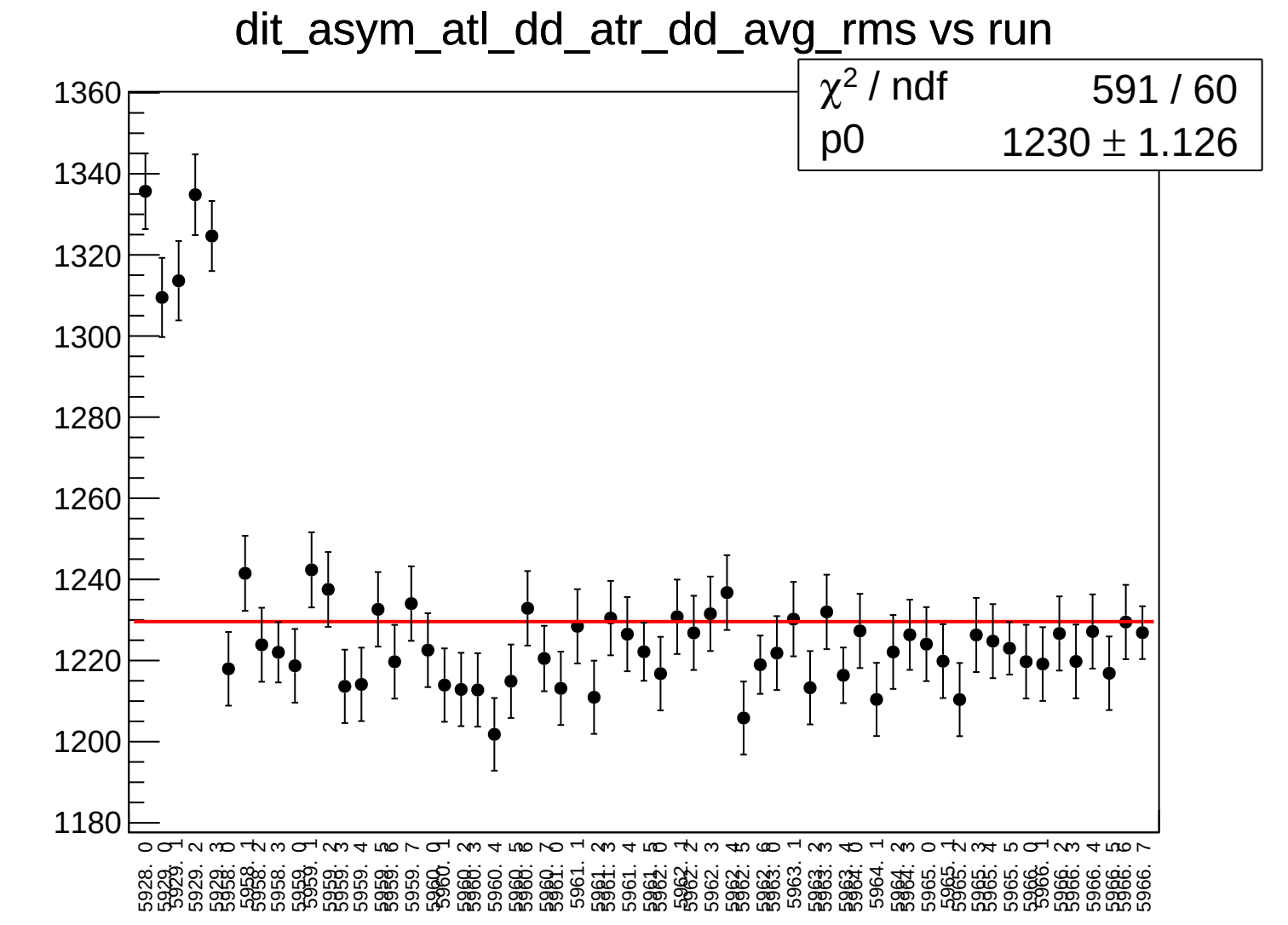

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

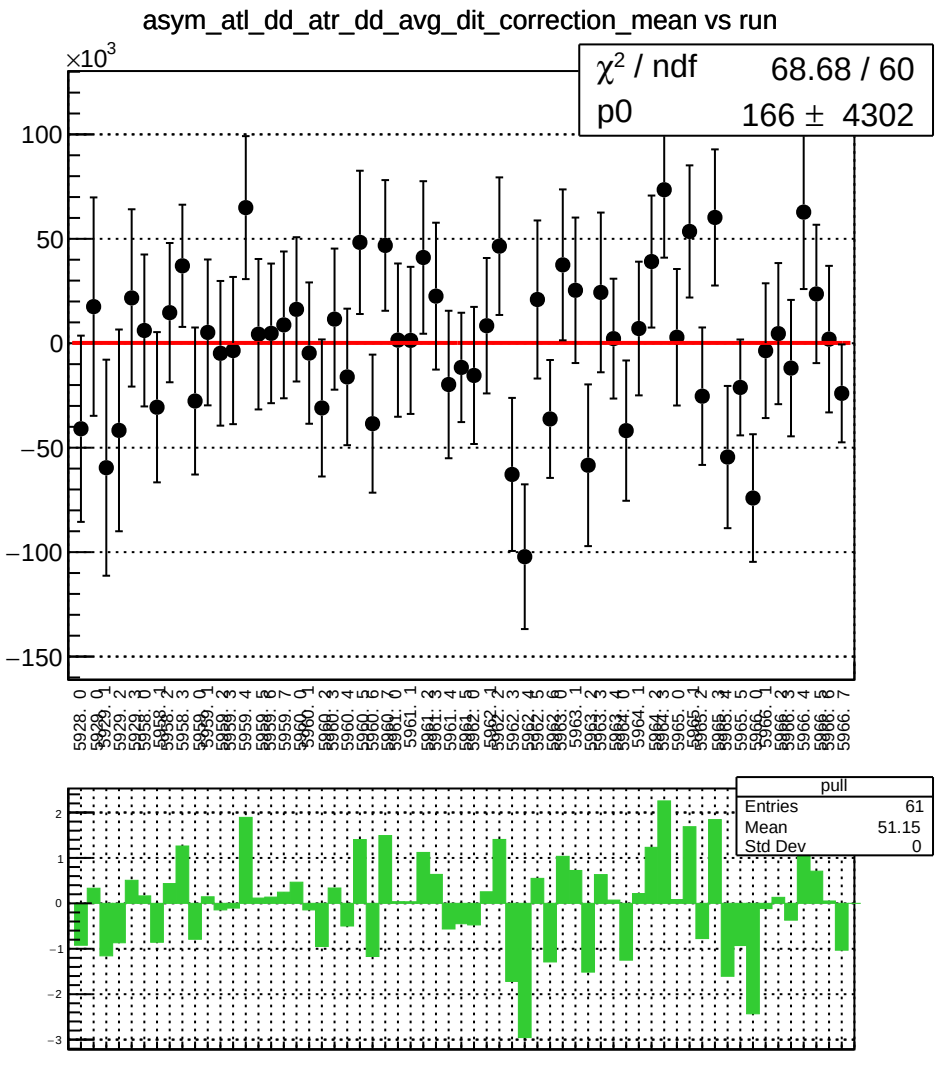

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.15
Std Dev 0
pull1D
Entries 61
Mean 0.003632
Std Dev 1.057

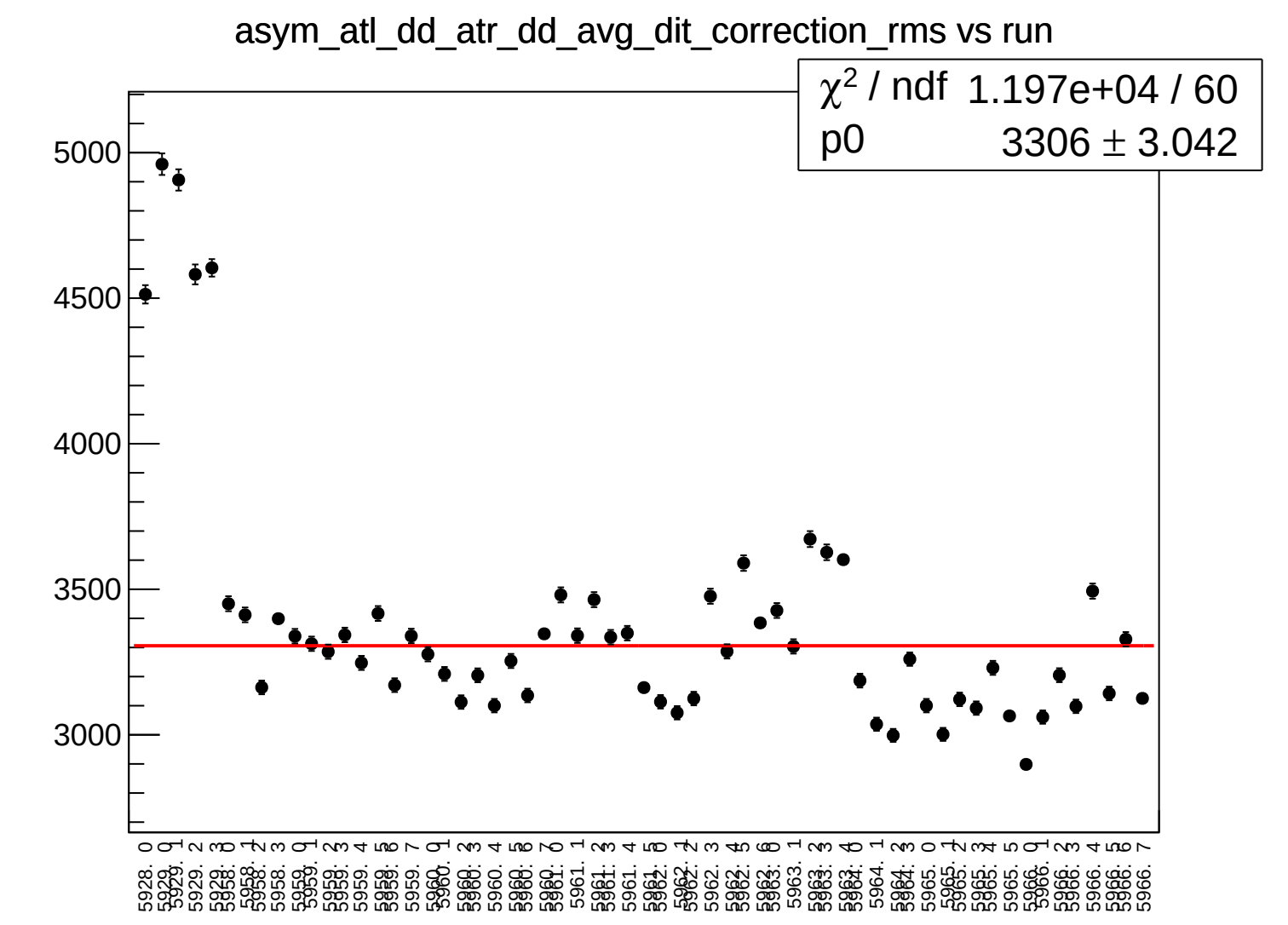

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

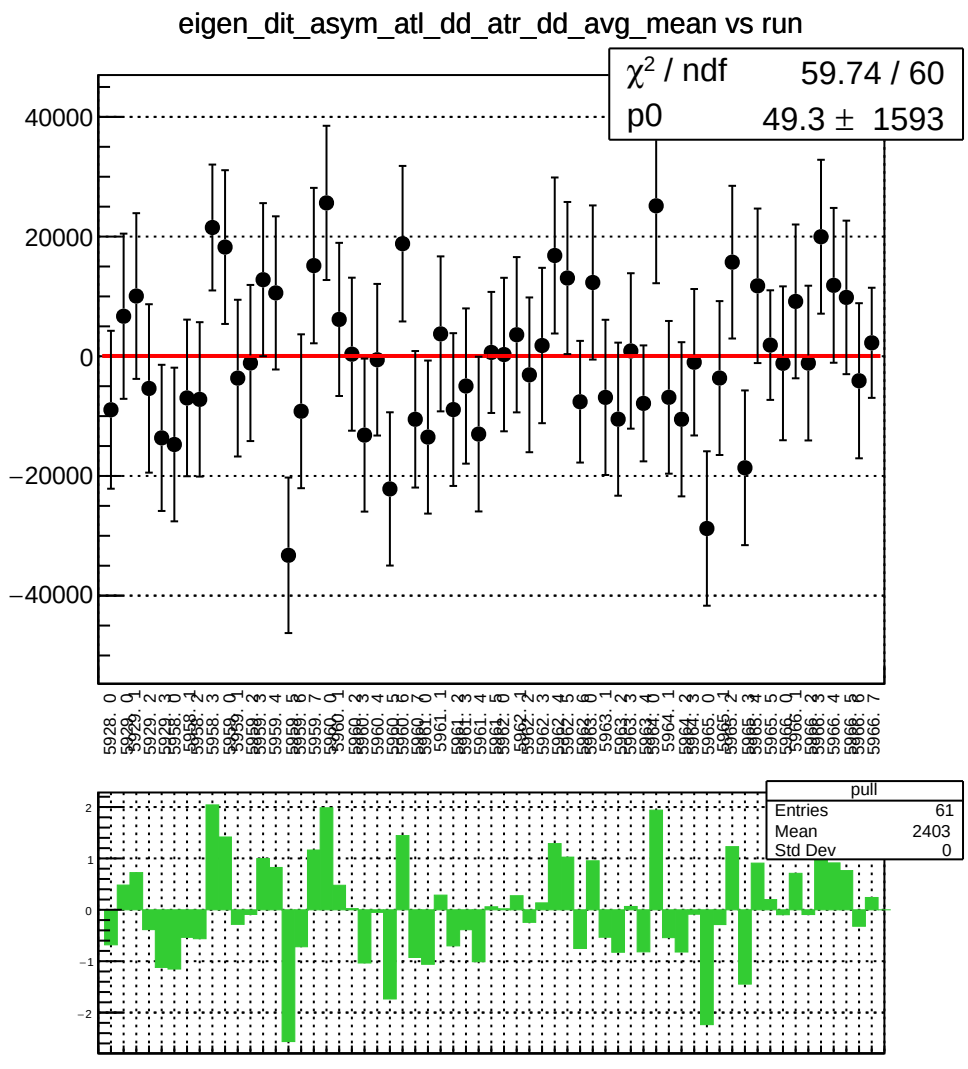

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 59.74 / 60
p0 49.29 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

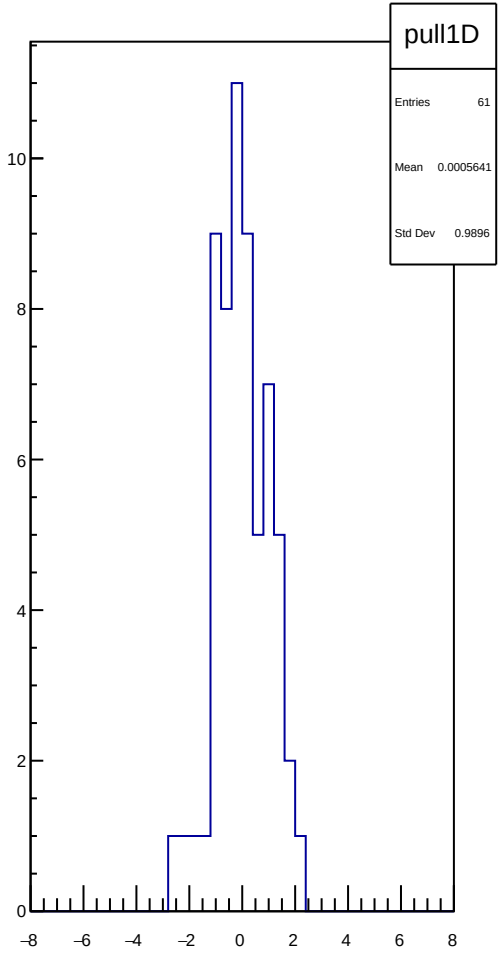

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

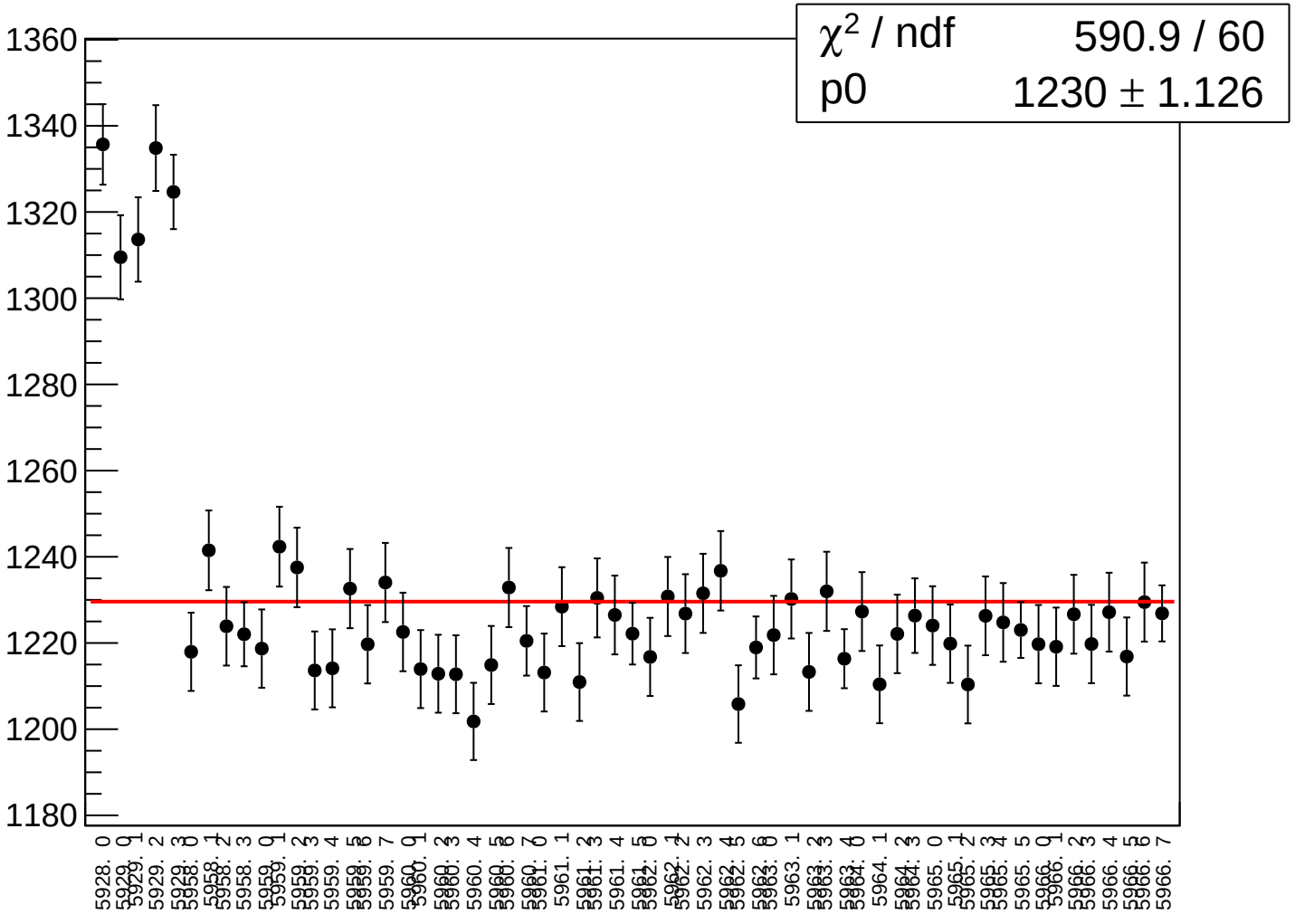

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 591 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

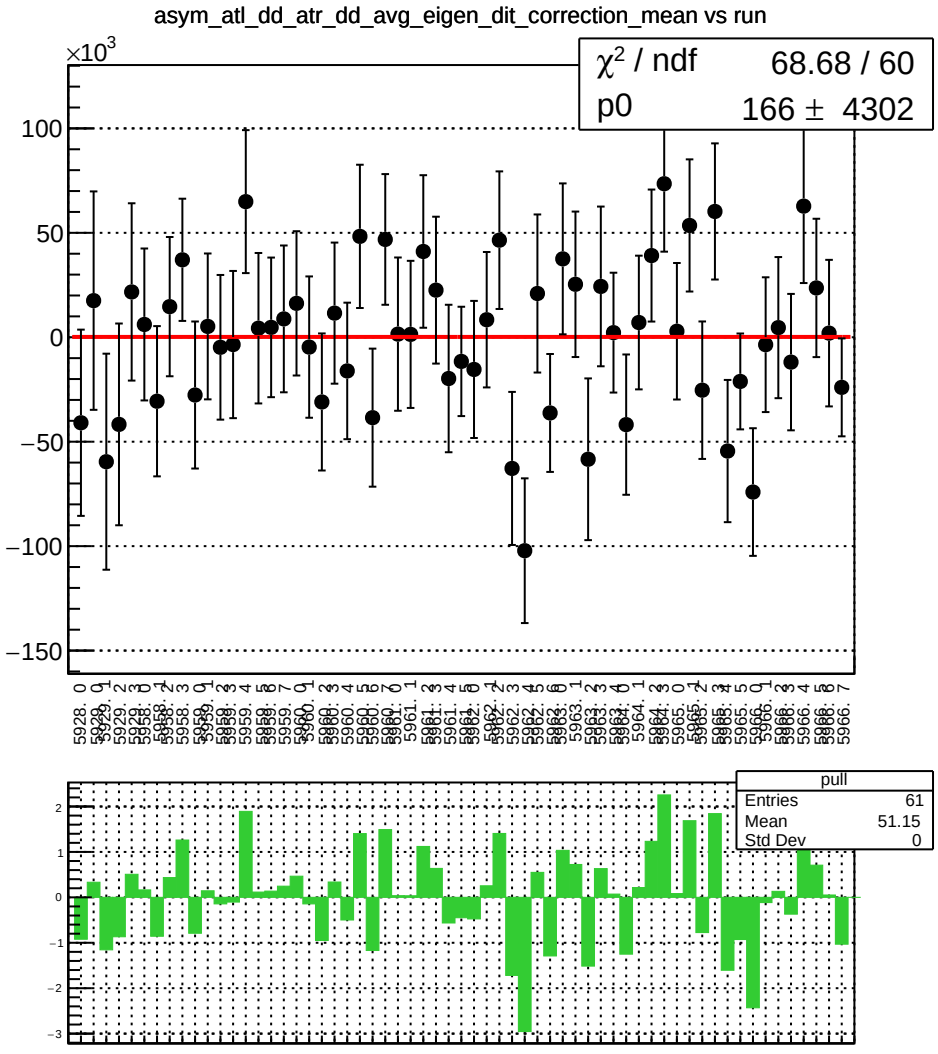

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0
pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

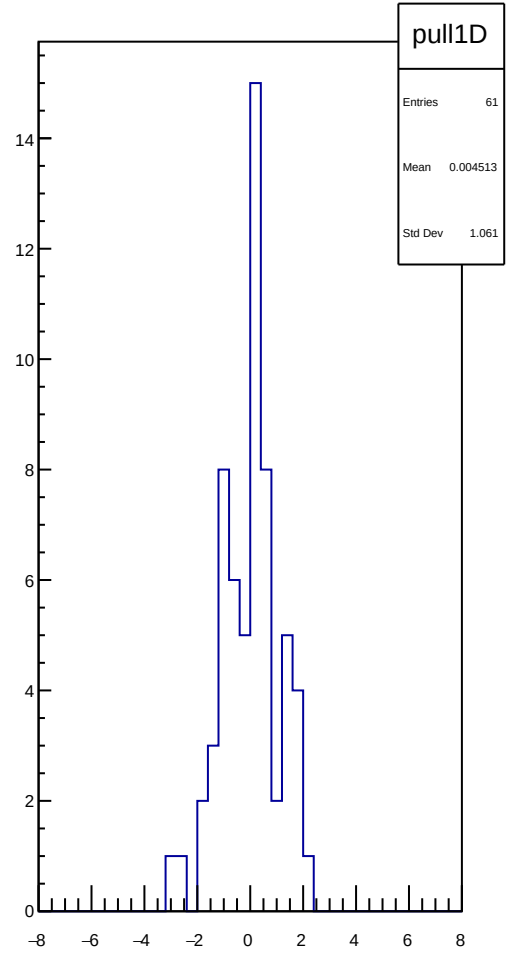

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

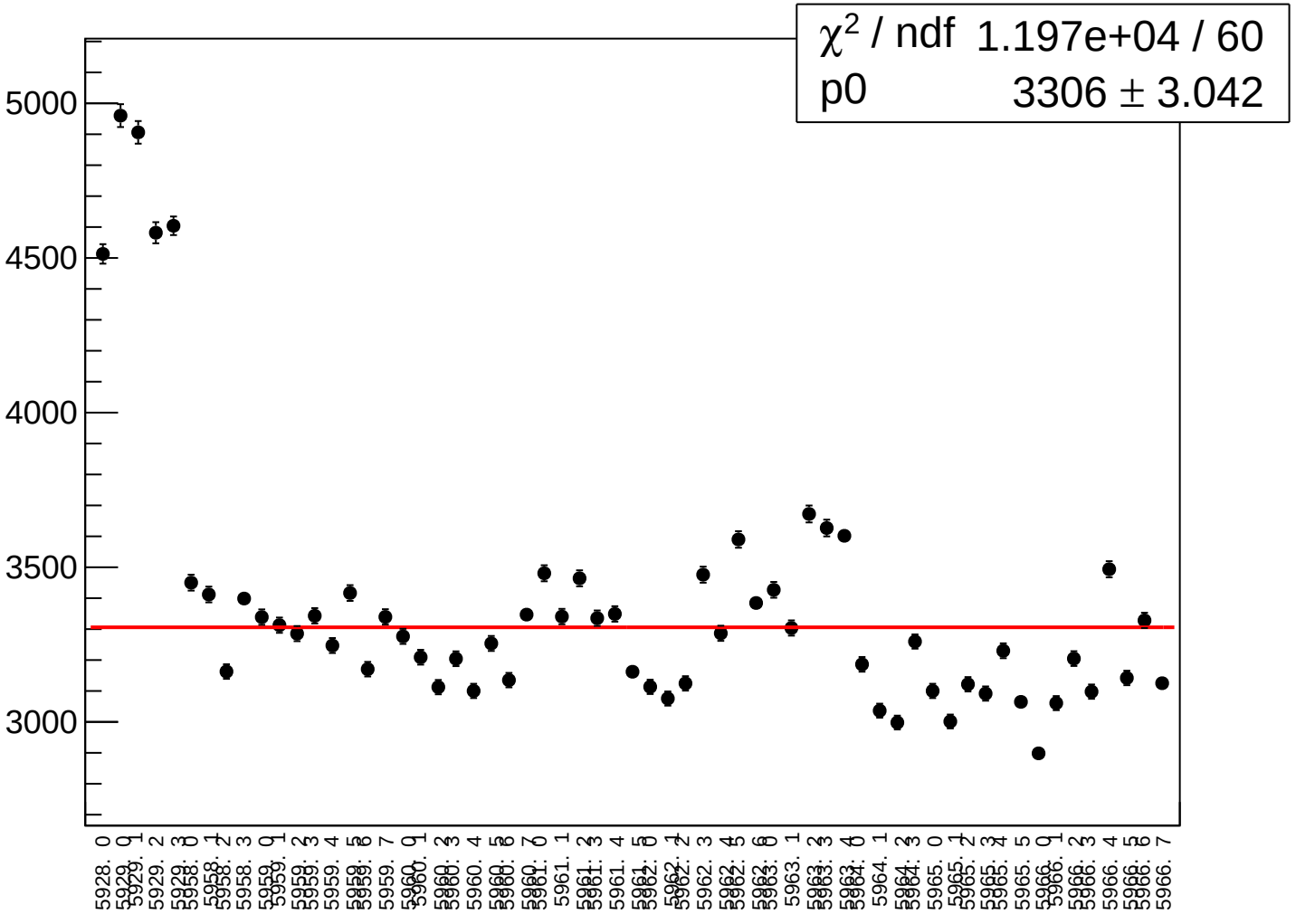

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 59.74 / 60
p0 49.3 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

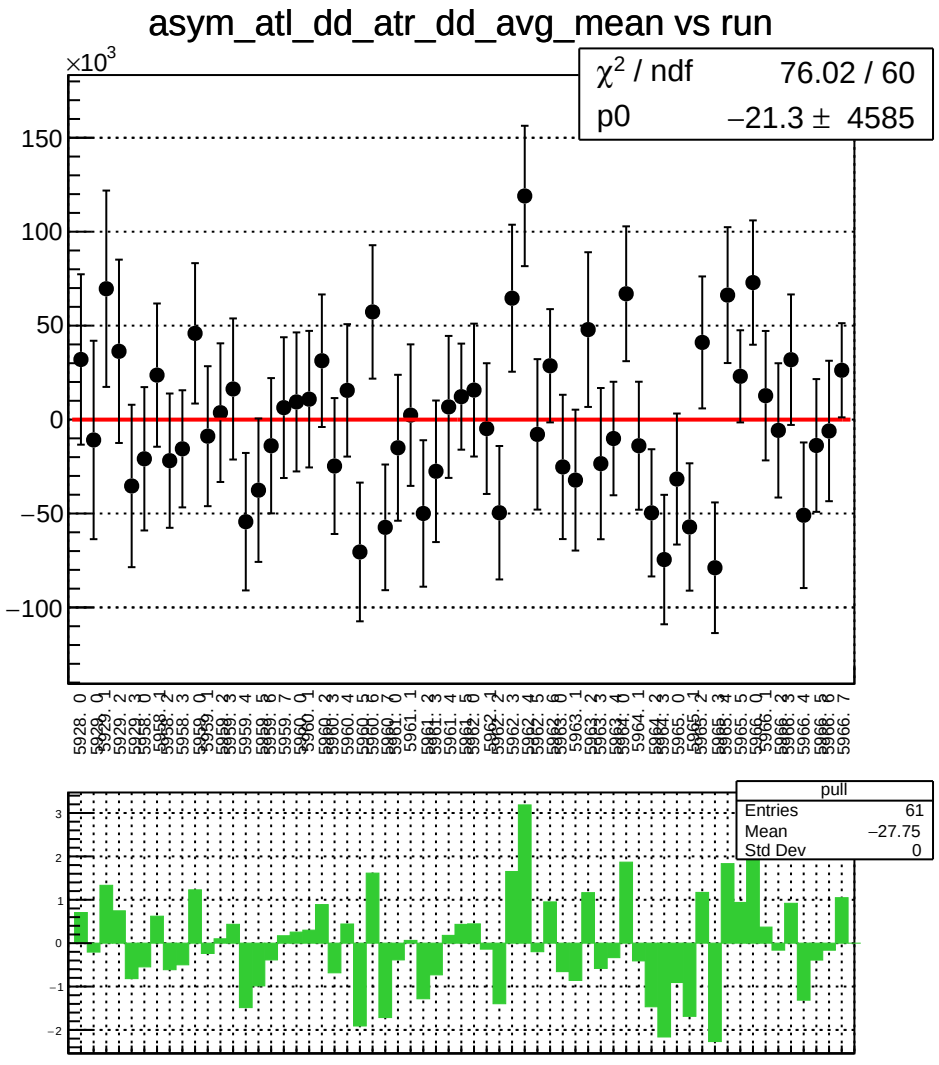

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

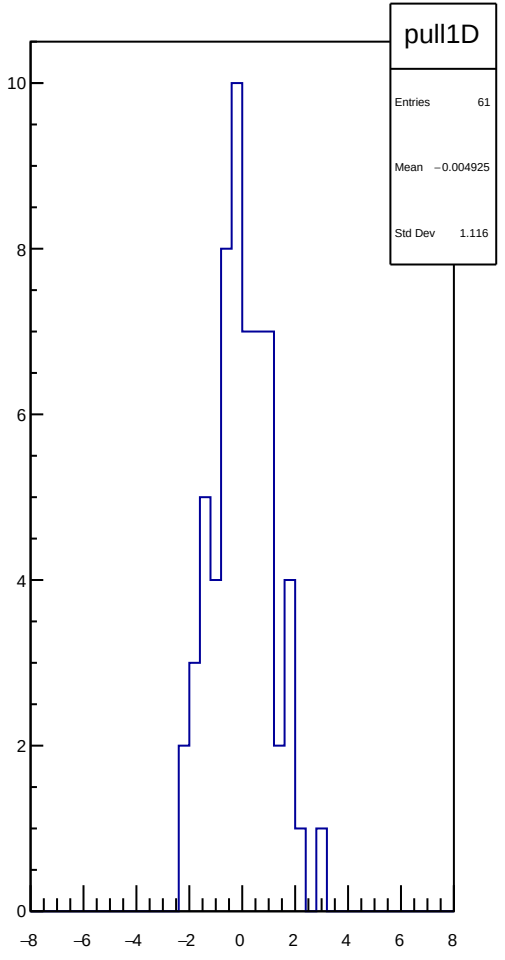

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 590.9 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

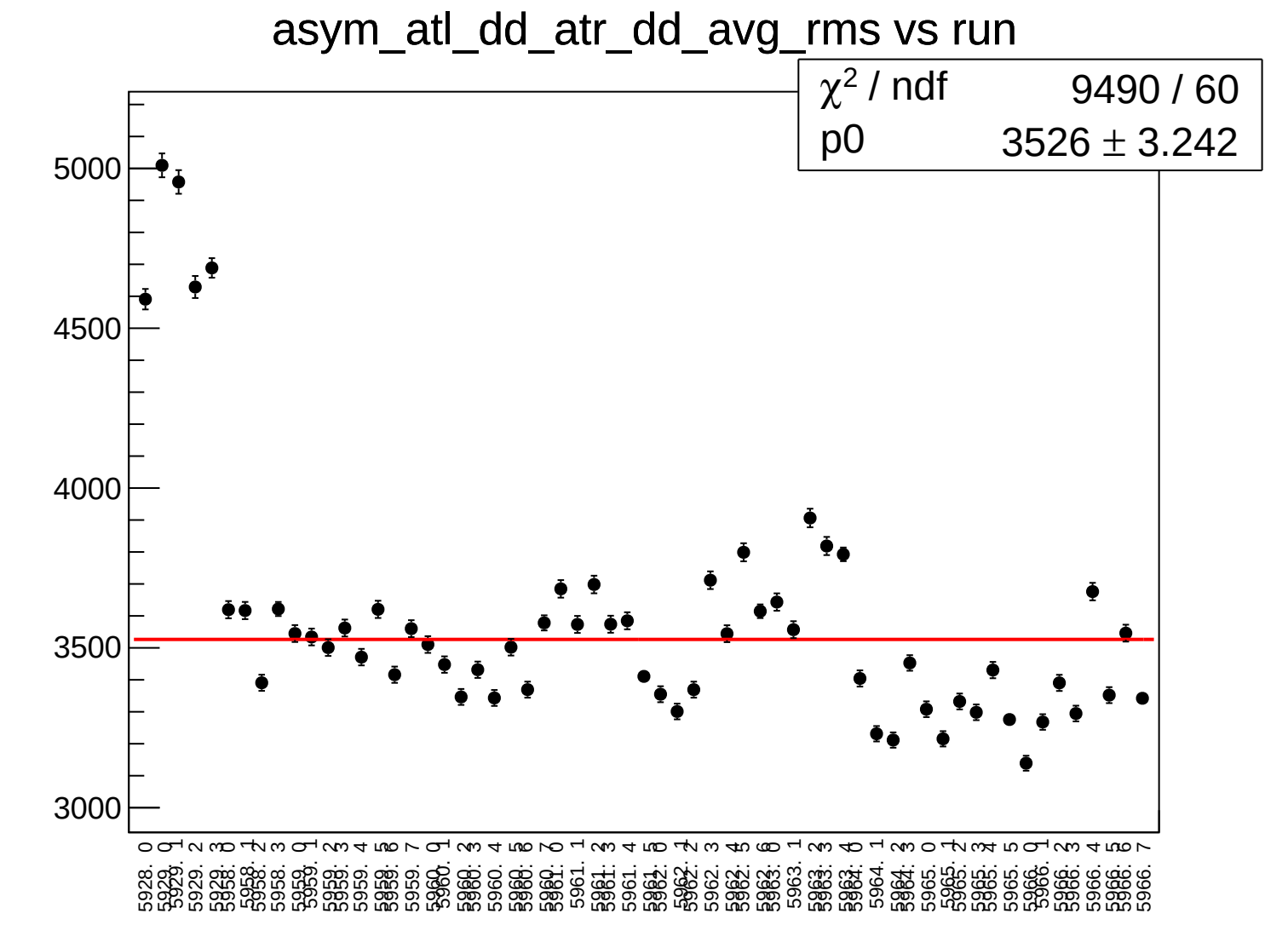

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0

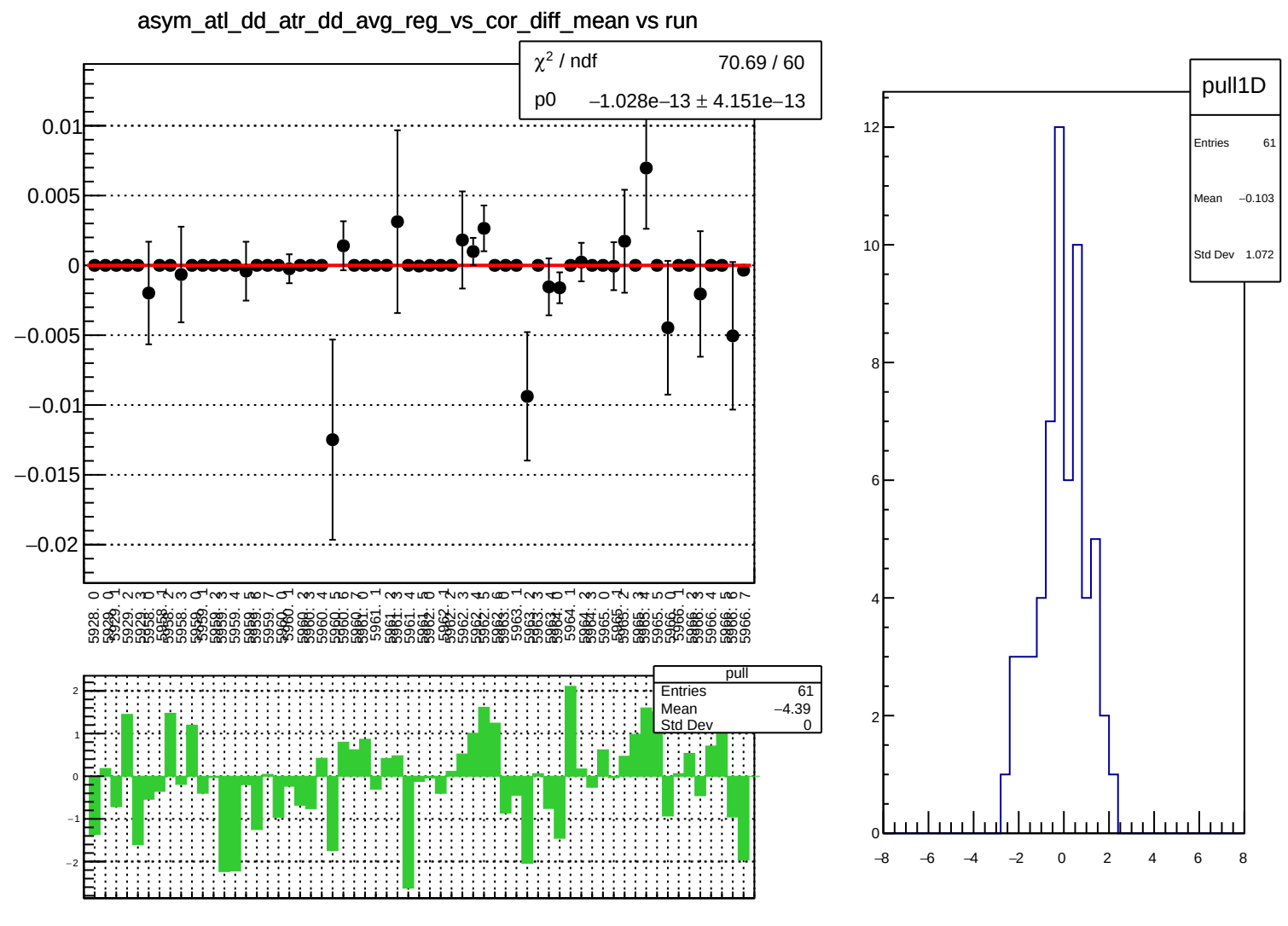

pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

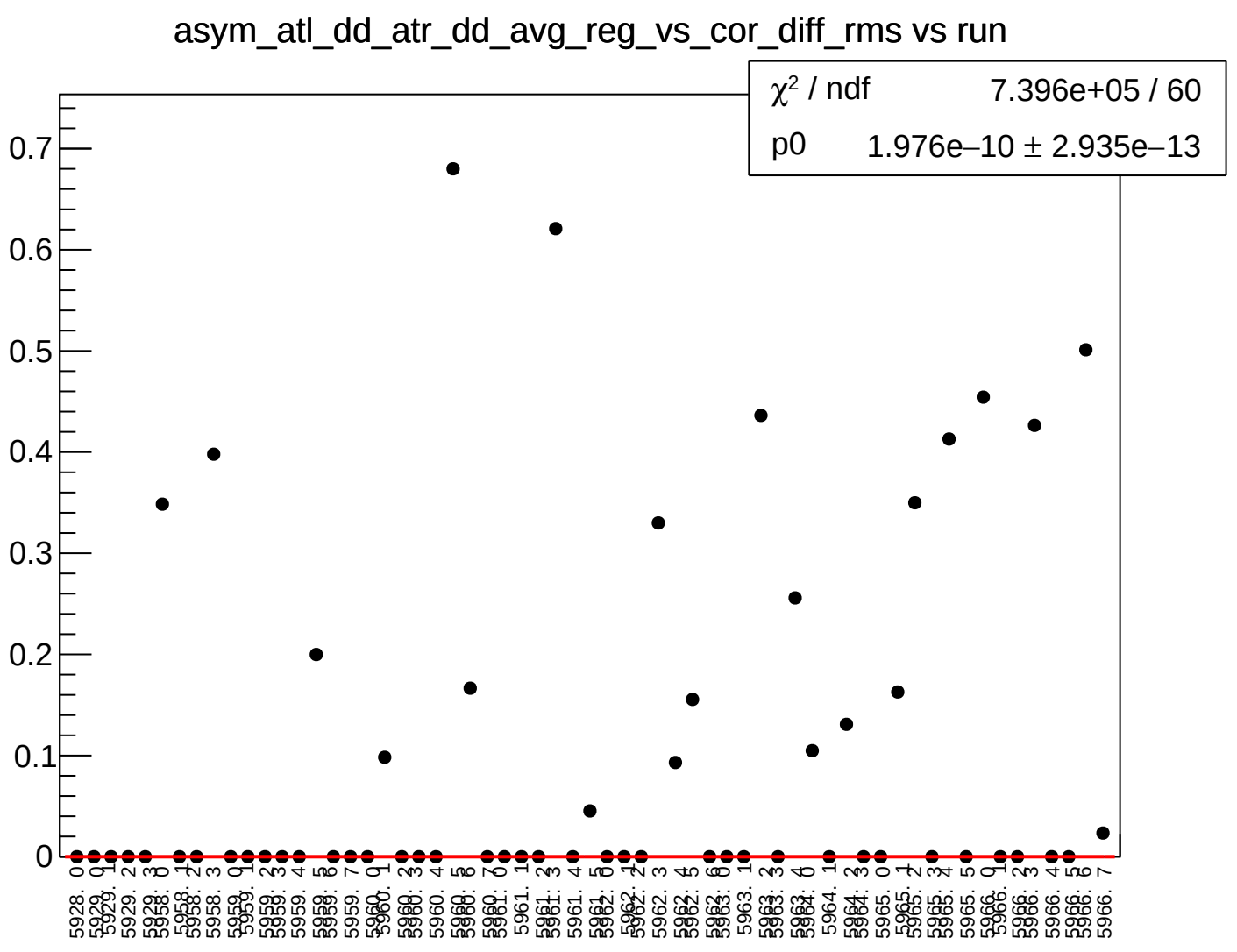

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

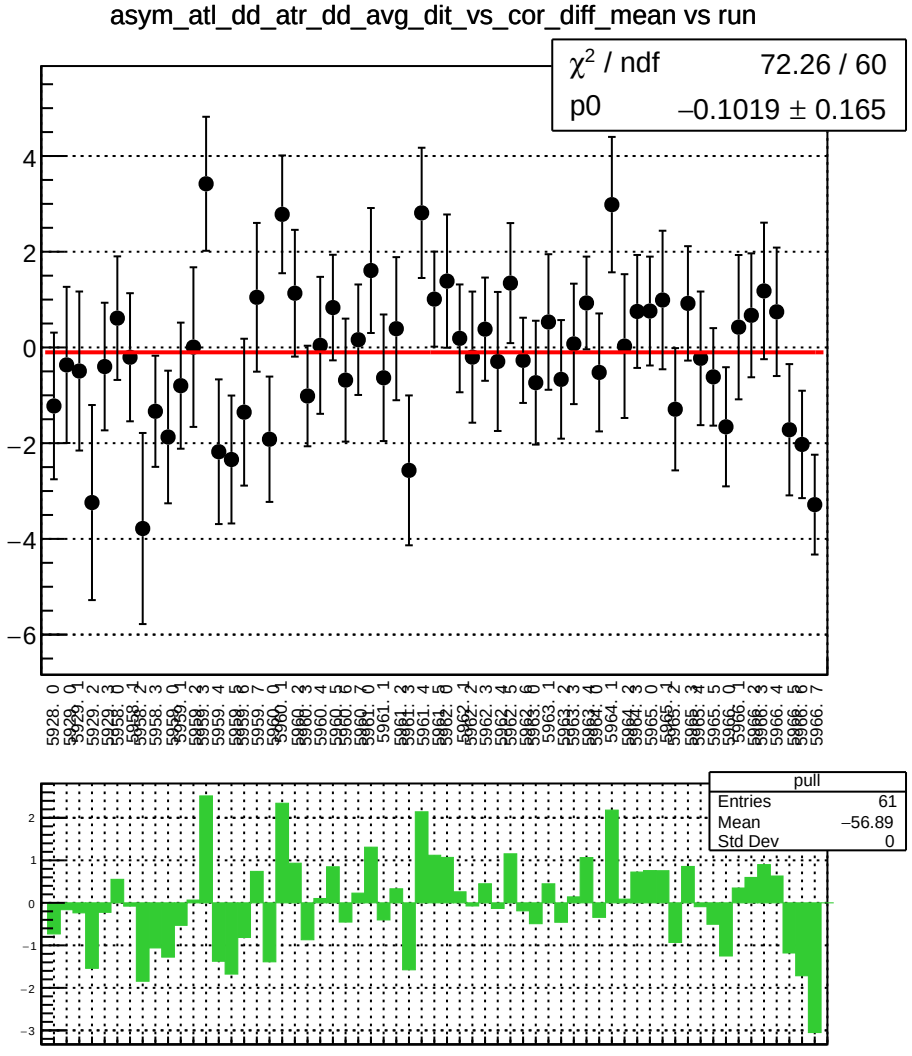

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 76.02 / 60
p0 −21.3 ± 4585
150
100
50
0
−50
−100
pull
Entries 61
Mean −27.75
Std Dev 0
3
2
1
0
−1
−2

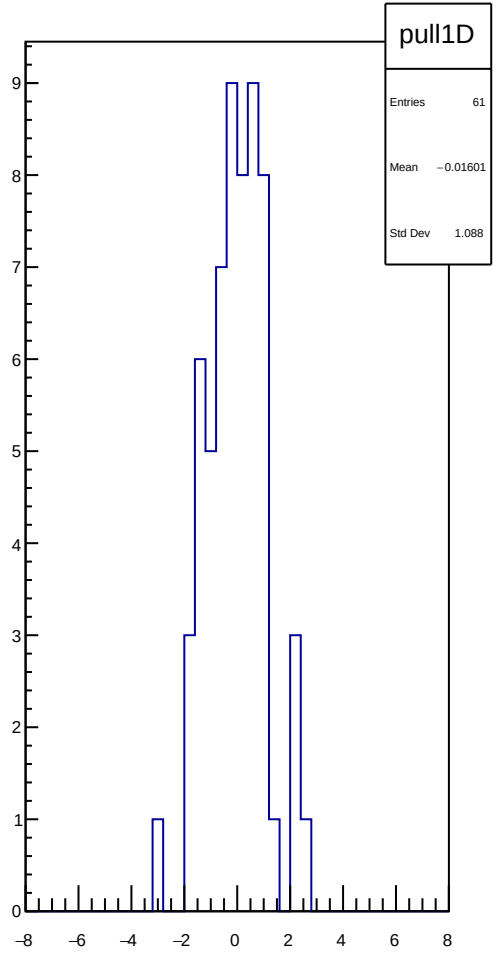

pull1D
Entries 61
Mean −0.004925
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

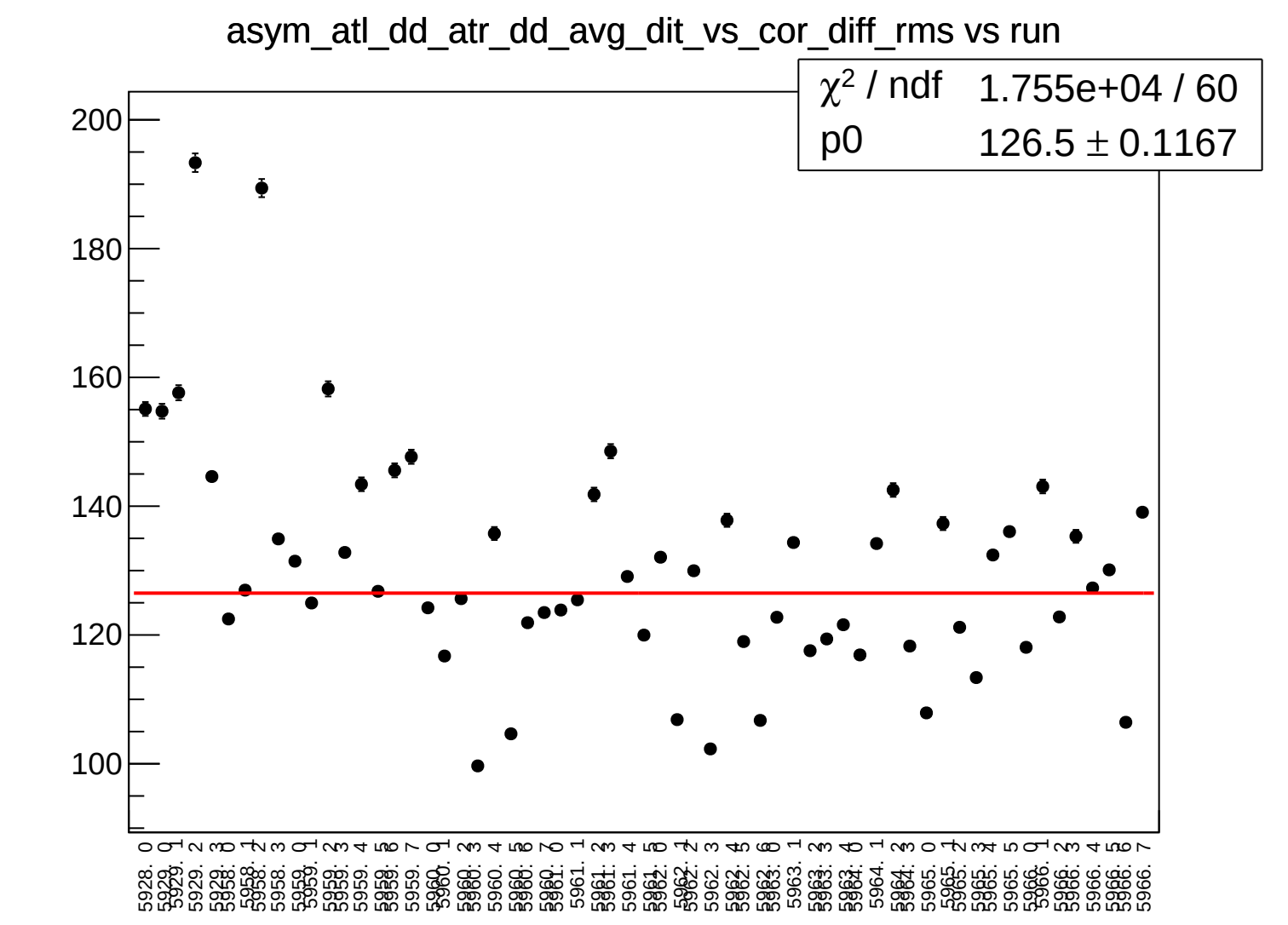

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 9490 / 60
p0 3526 ± 3.242
5000
4500
4000
3500
3000

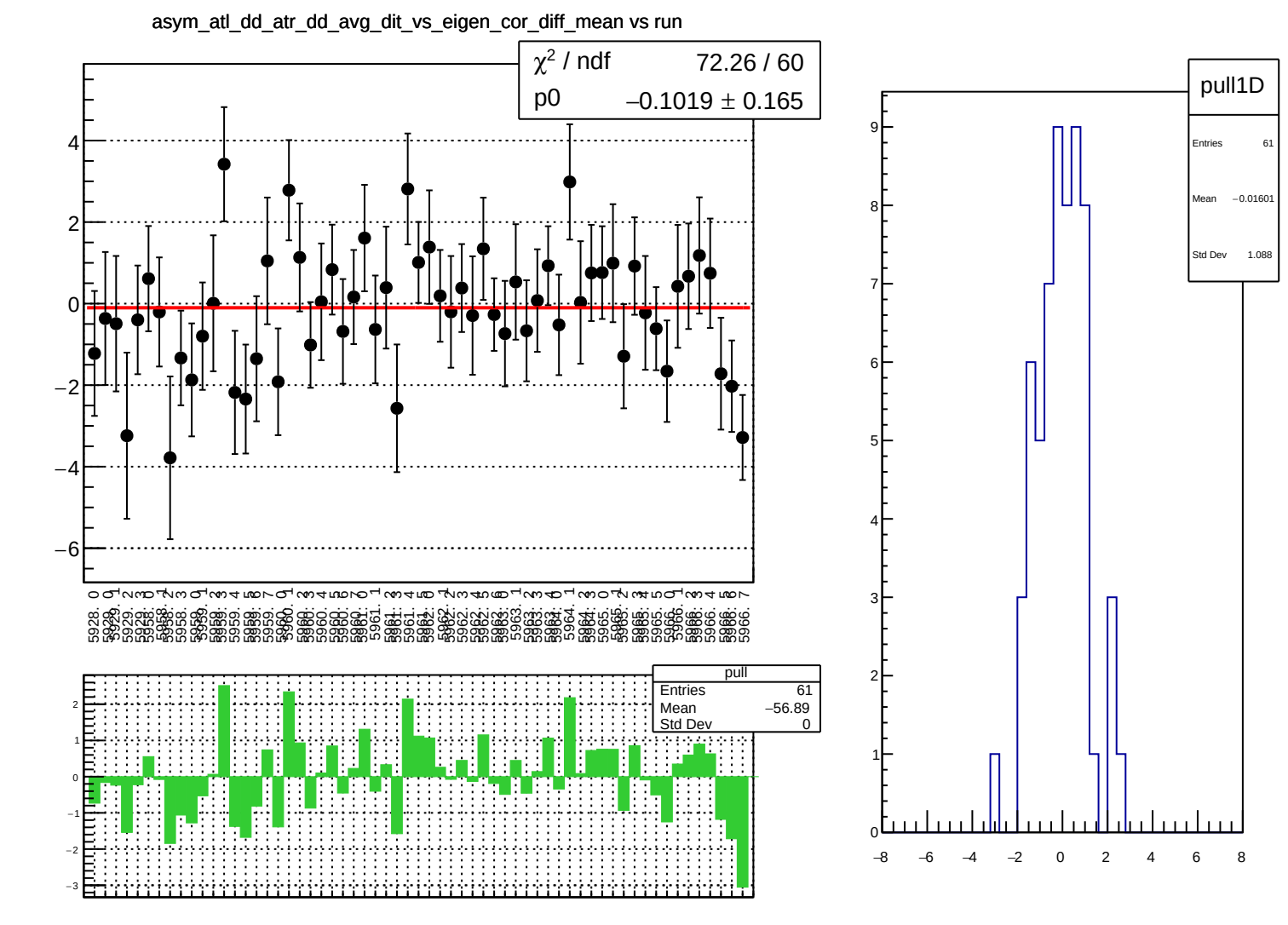

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.69 / 60
p0 −1.028e−13 ± 4.151e−13
pull
Entries 61
Mean −4.39
Std Dev 0
pull1D
Entries 61
Mean −0.103
Std Dev 1.072

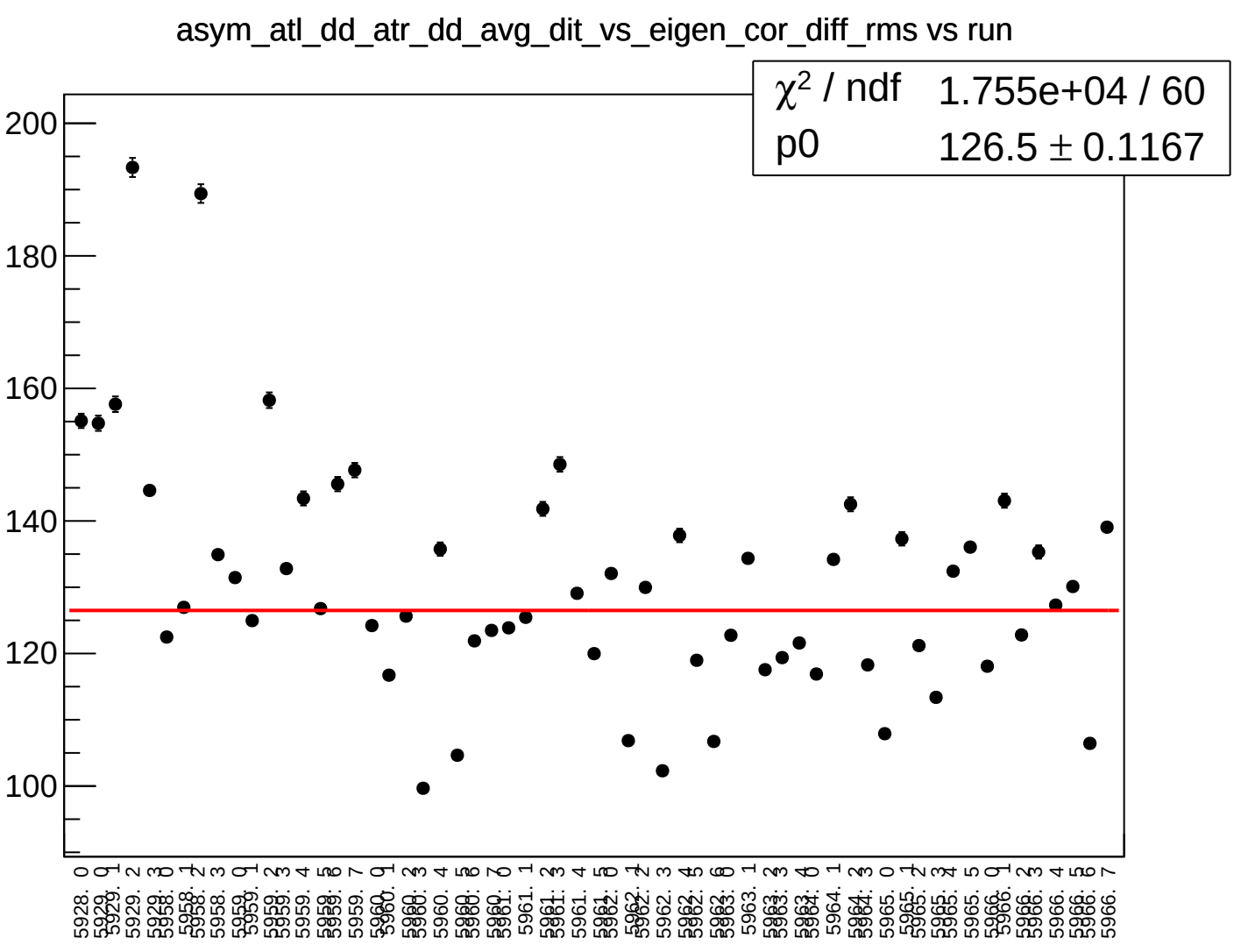

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.396e+05 / 60
p0 1.976e−10 ± 2.935e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

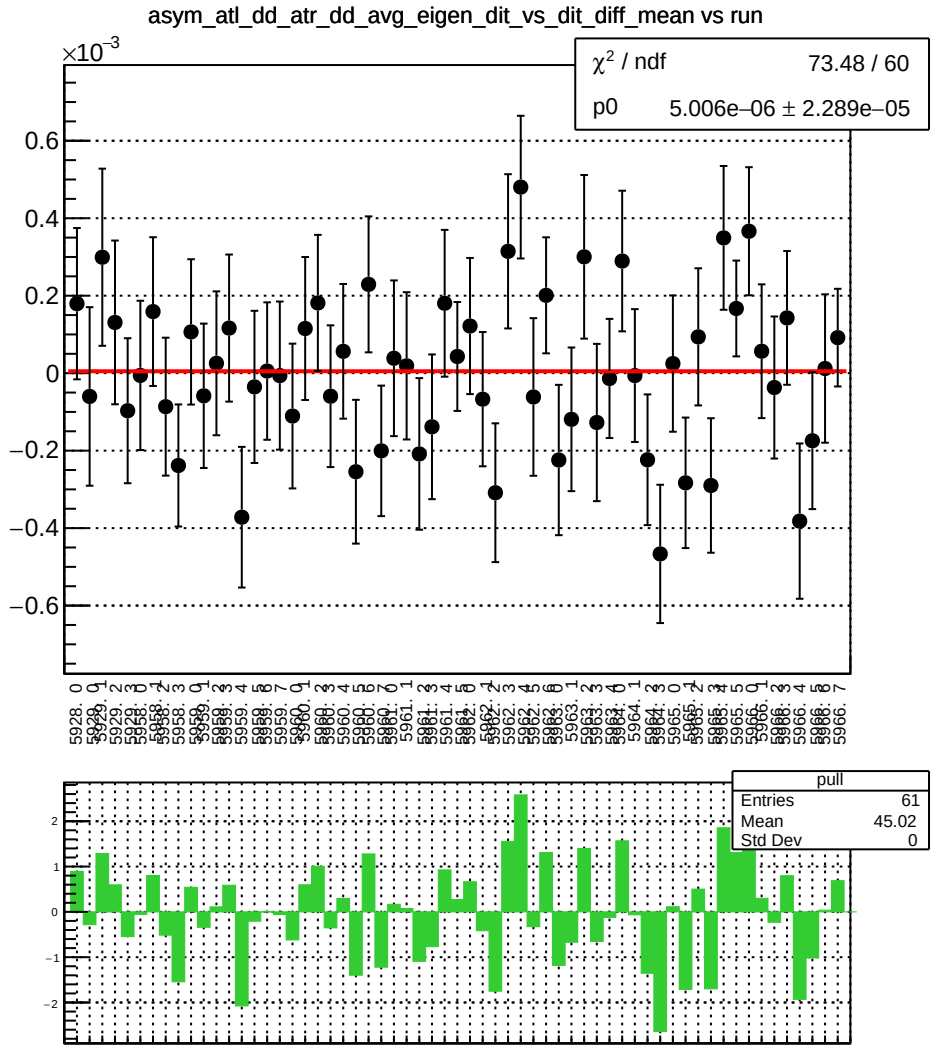

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0

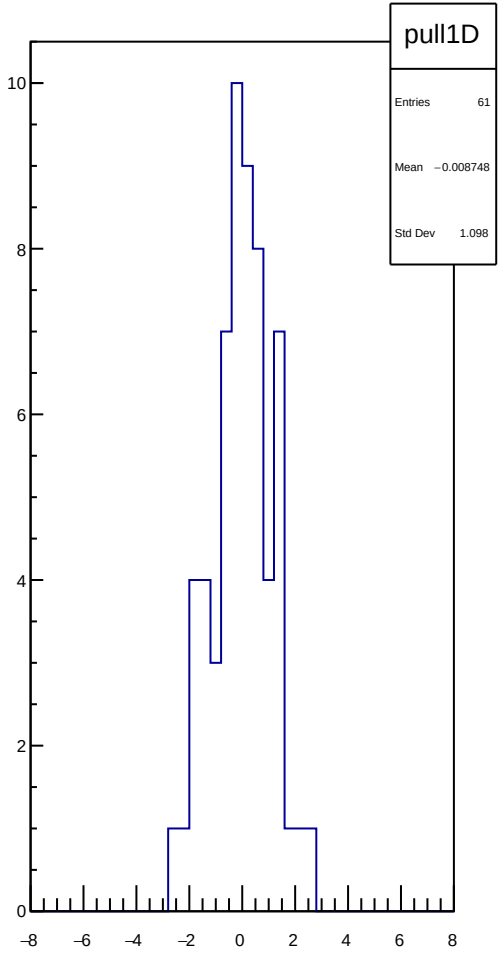

pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

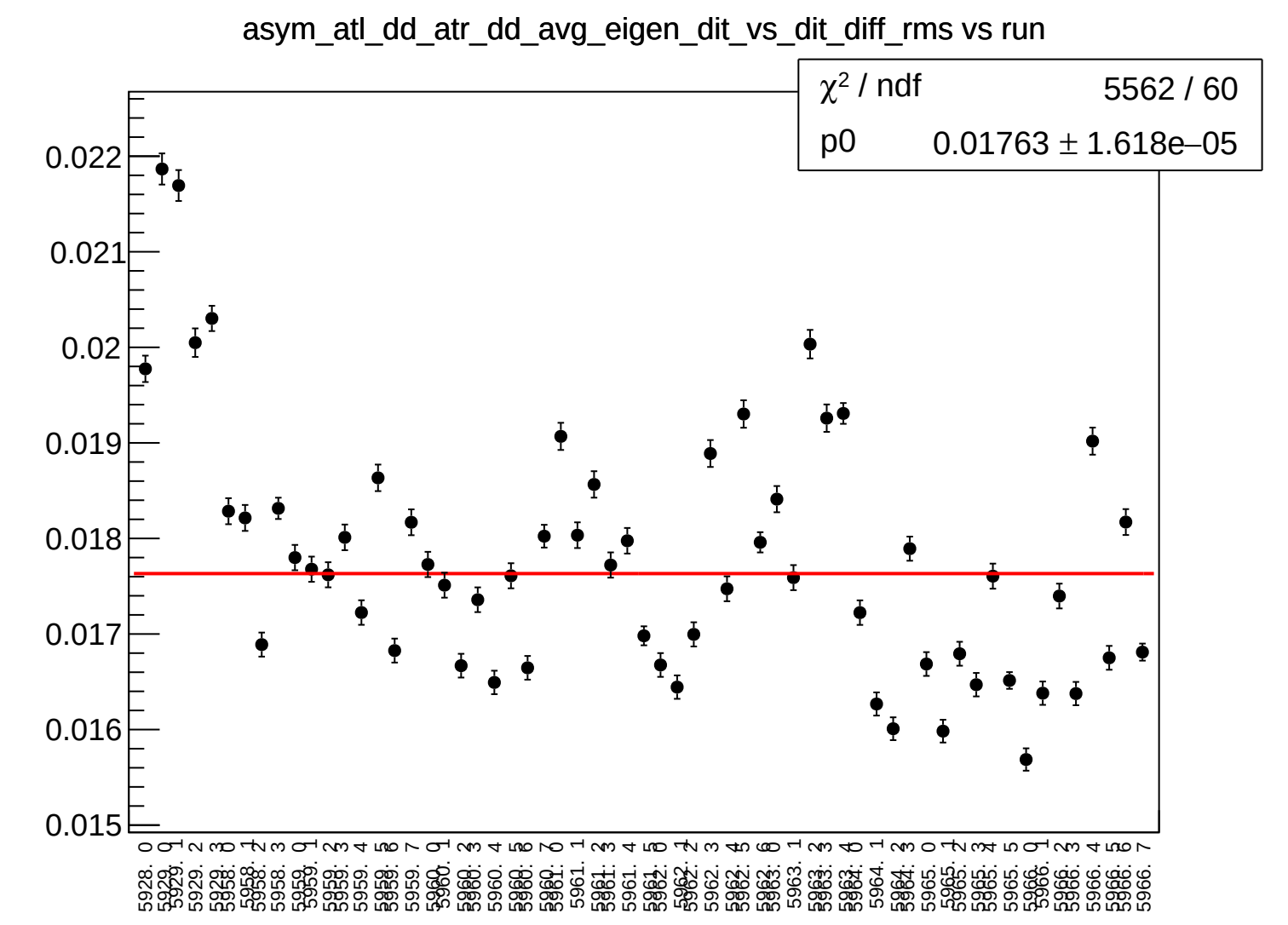

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

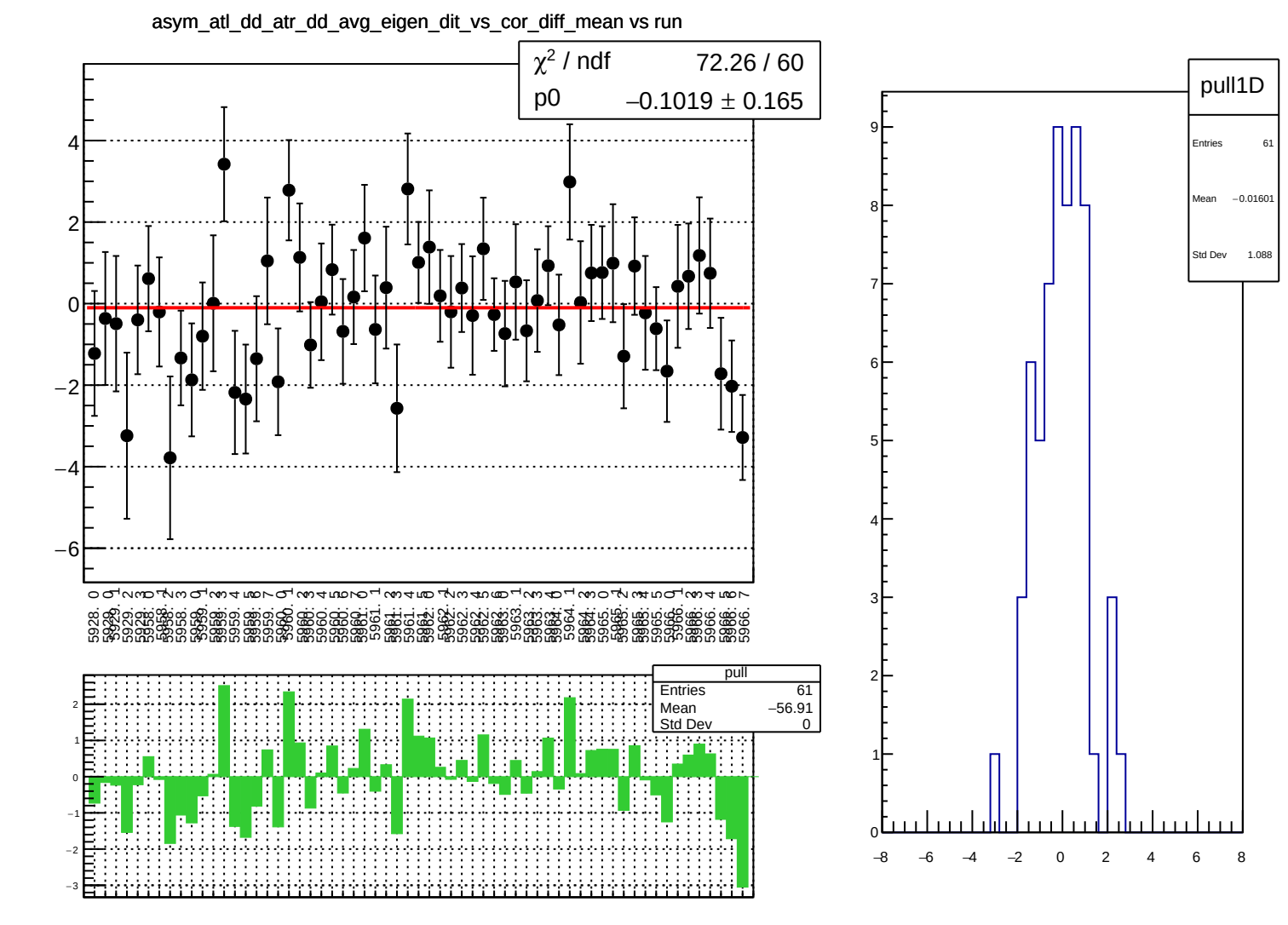

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

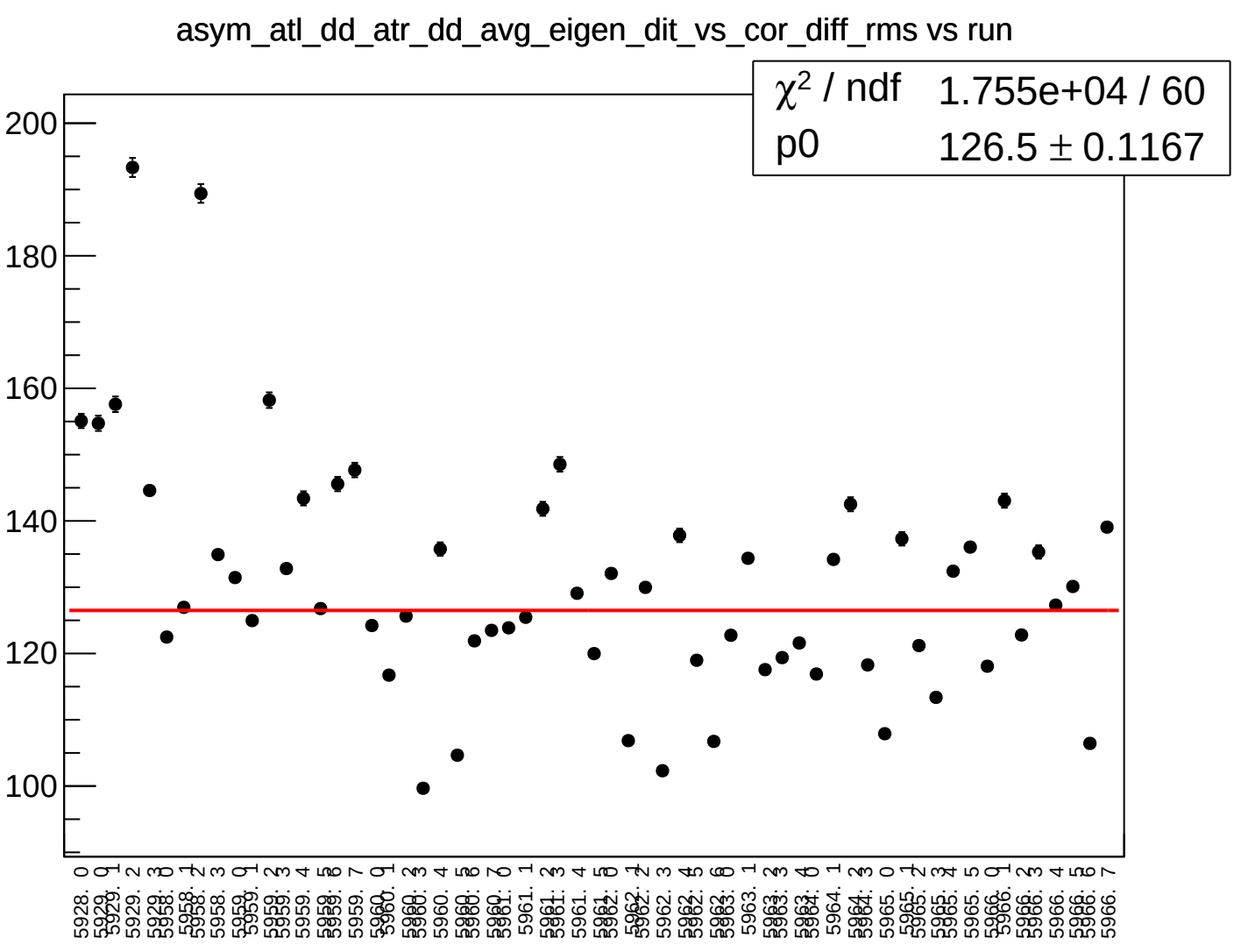

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

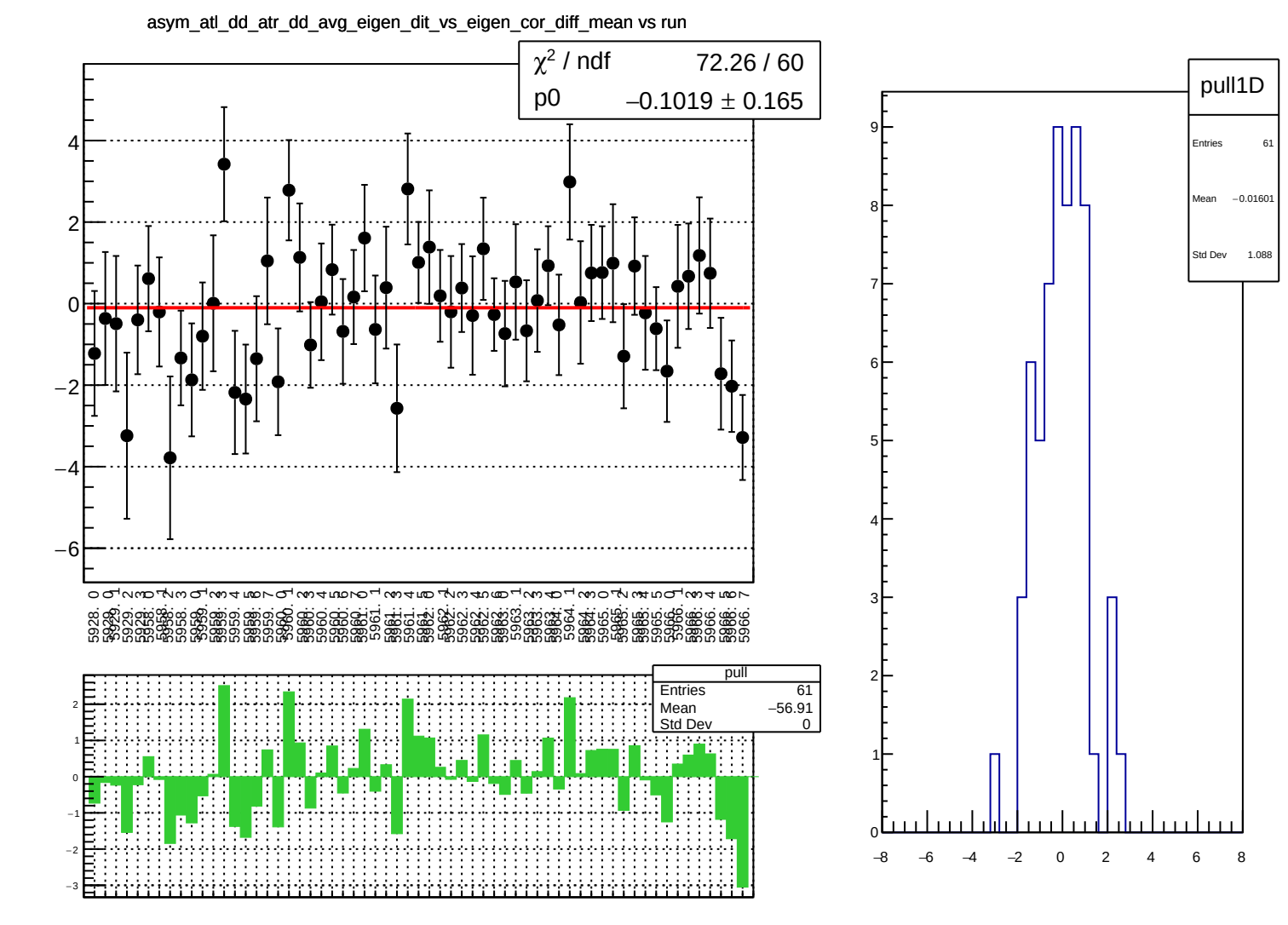

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.48 / 60
p0 5.006e−06 ± 2.289e−05
pull
Entries 61
Mean 45.02
Std Dev 0

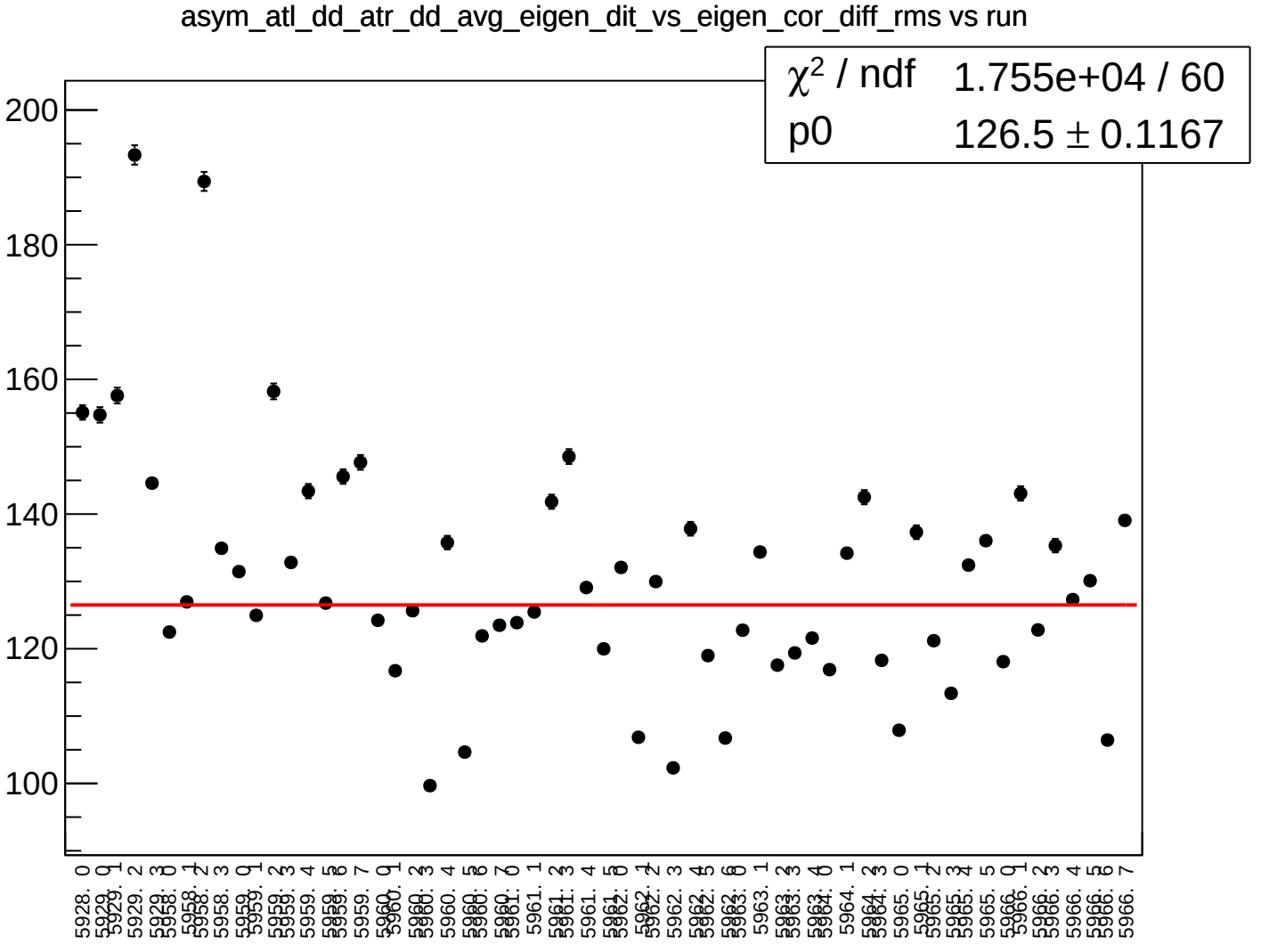

pull1D
Entries 61
Mean −0.008748
Std Dev 1.098

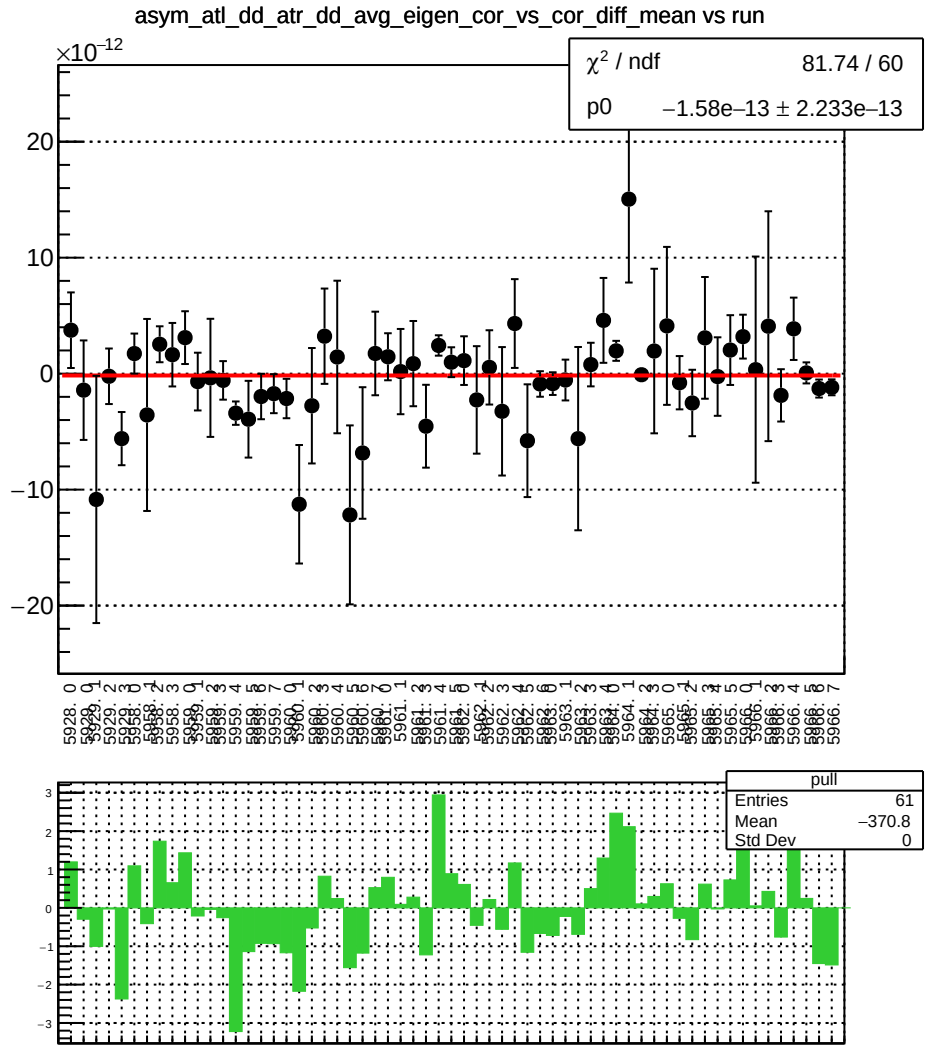

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5562 / 60
p0 0.01763 ± 1.618e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015

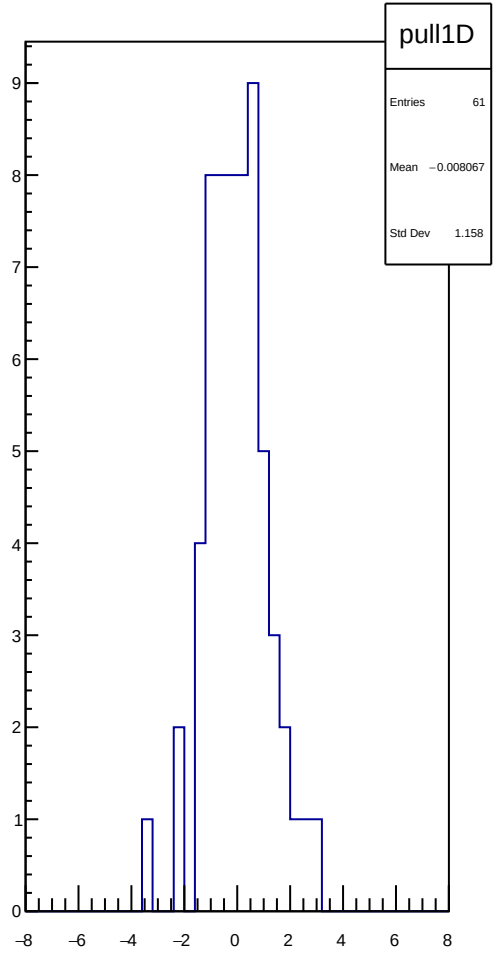

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

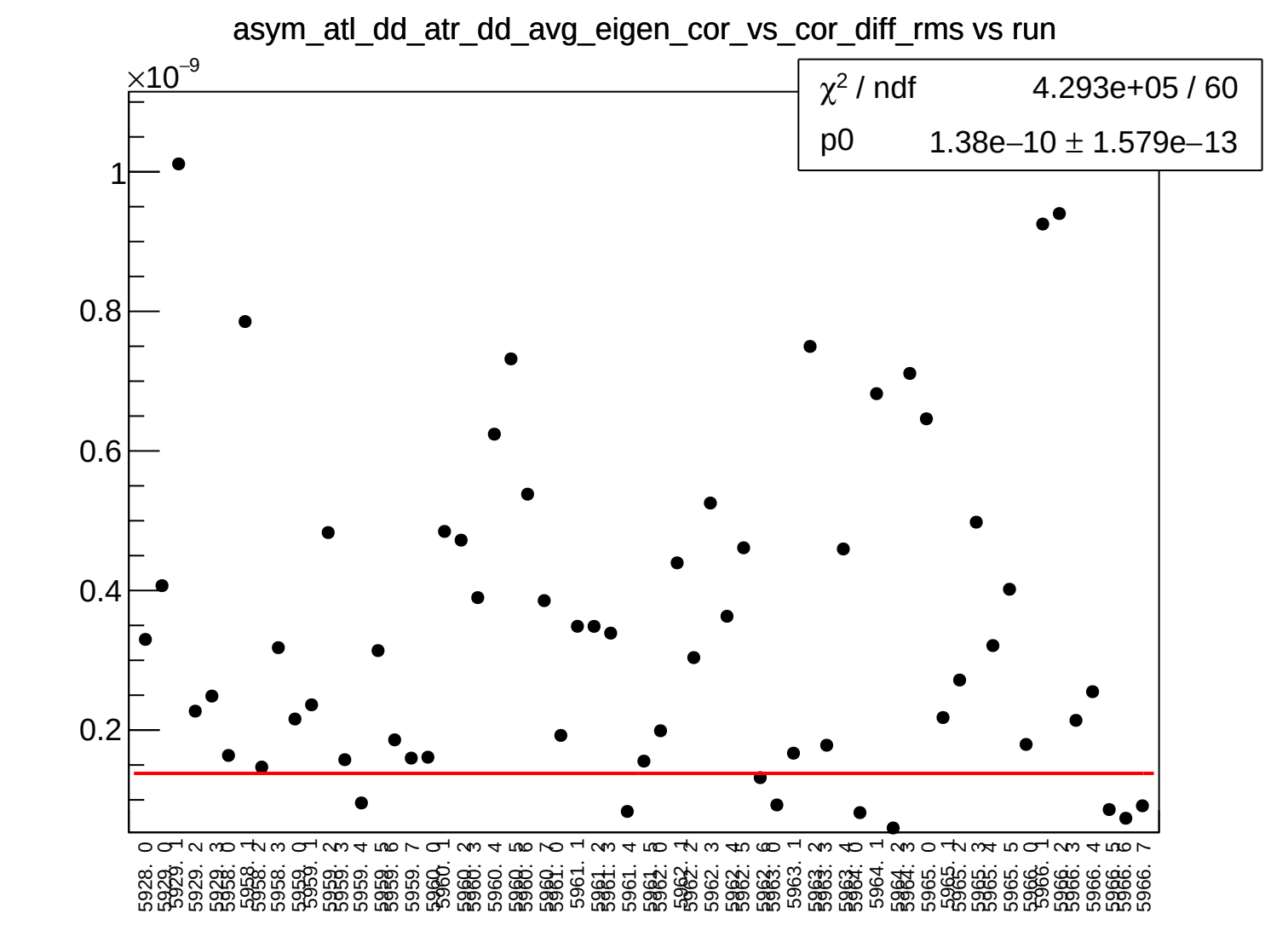

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

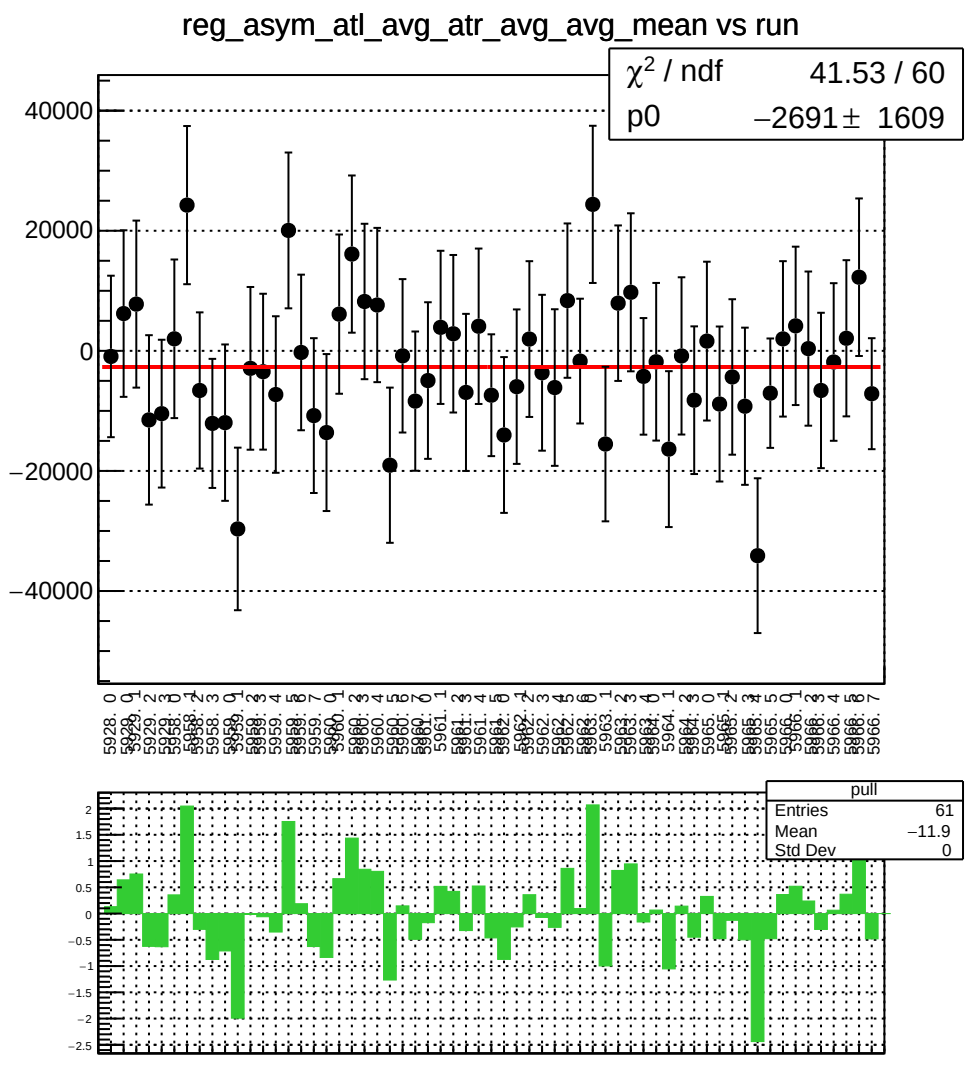

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

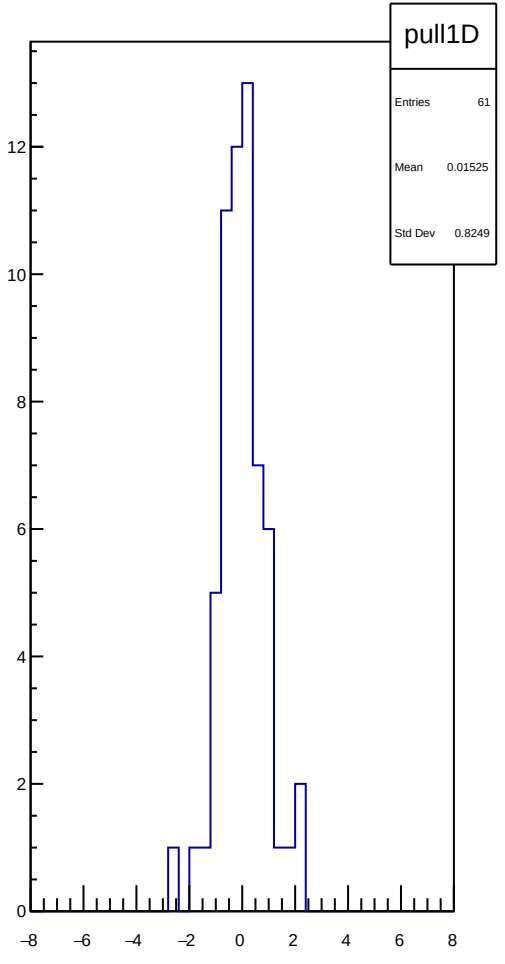

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

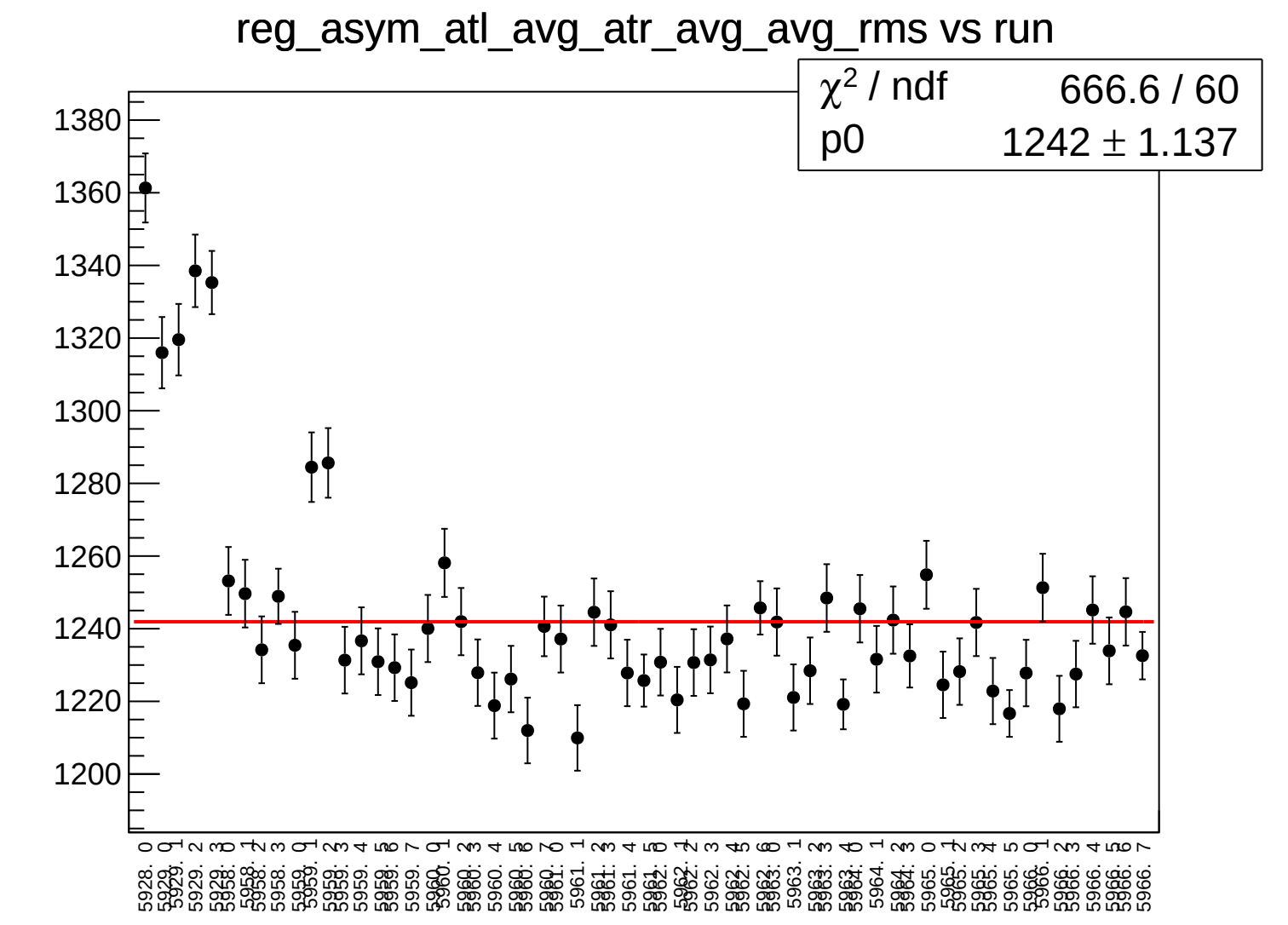

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.74 / 60
p0 −1.58e−13 ± 2.233e−13
pull
Entries 61
Mean −370.8
Std Dev 0

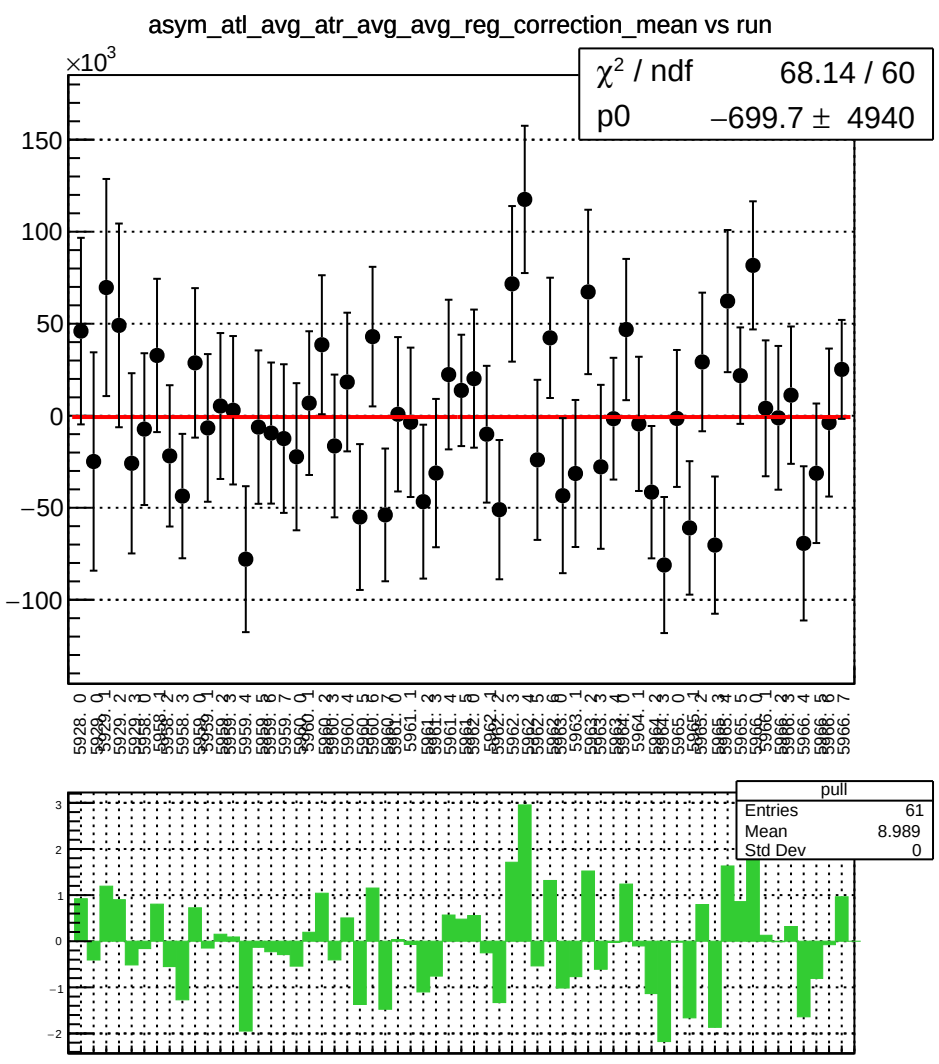

pull1D
Entries 61
Mean −0.008067
Std Dev 1.158

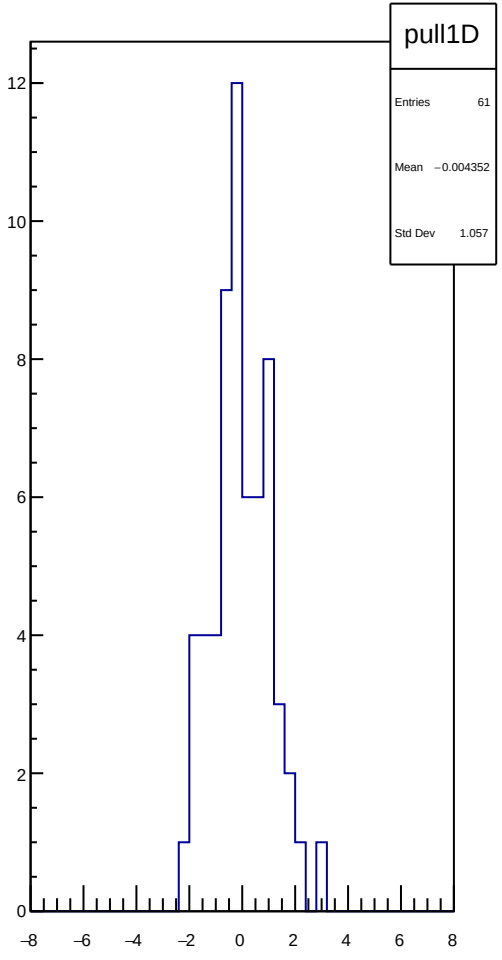

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.293e+05 / 60
p0 1.38e−10 ± 1.579e−13
1
0.8
0.6
0.4
0.2

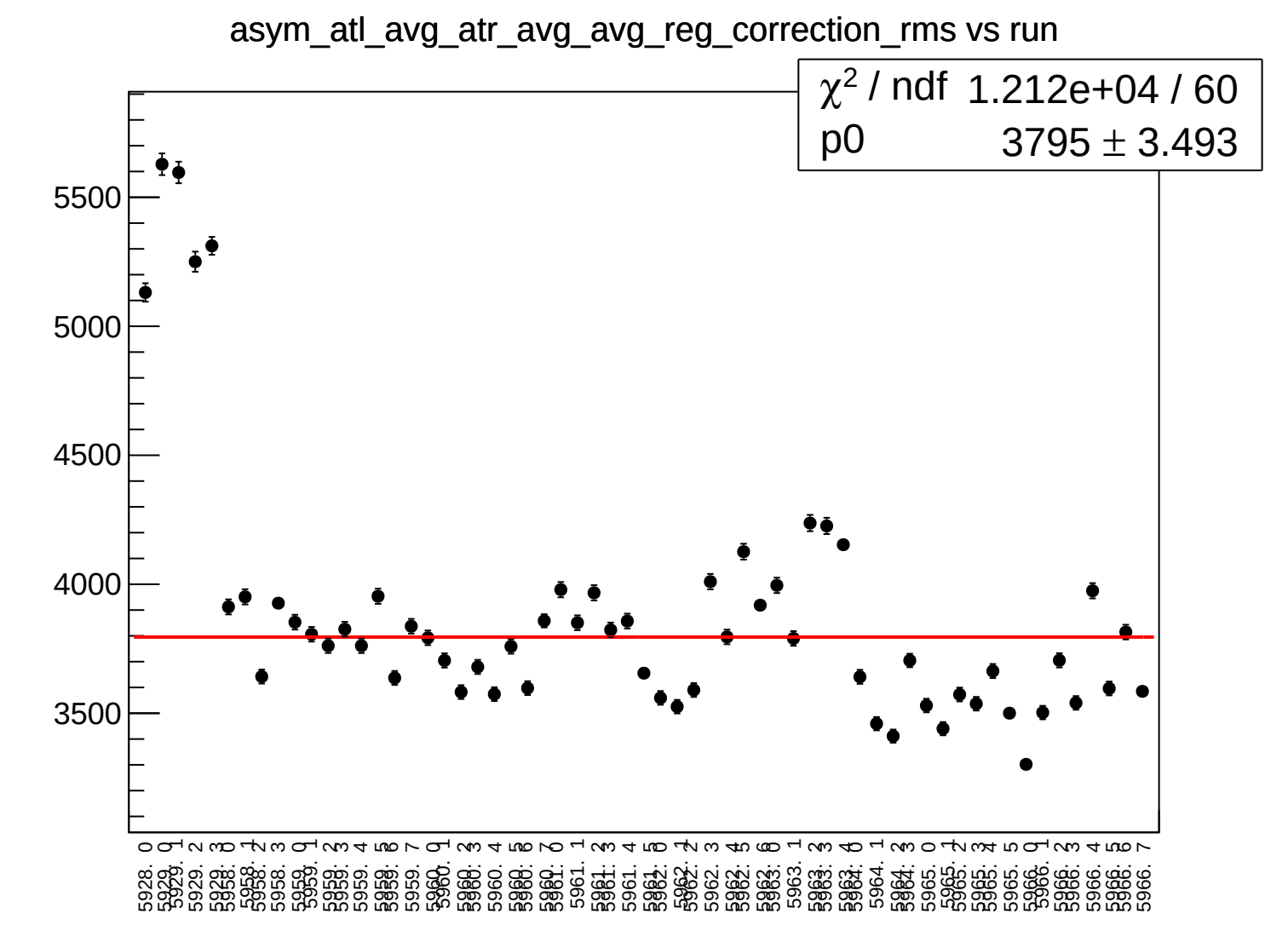

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 41.53 / 60
p0 −2691 ± 1609
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −11.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

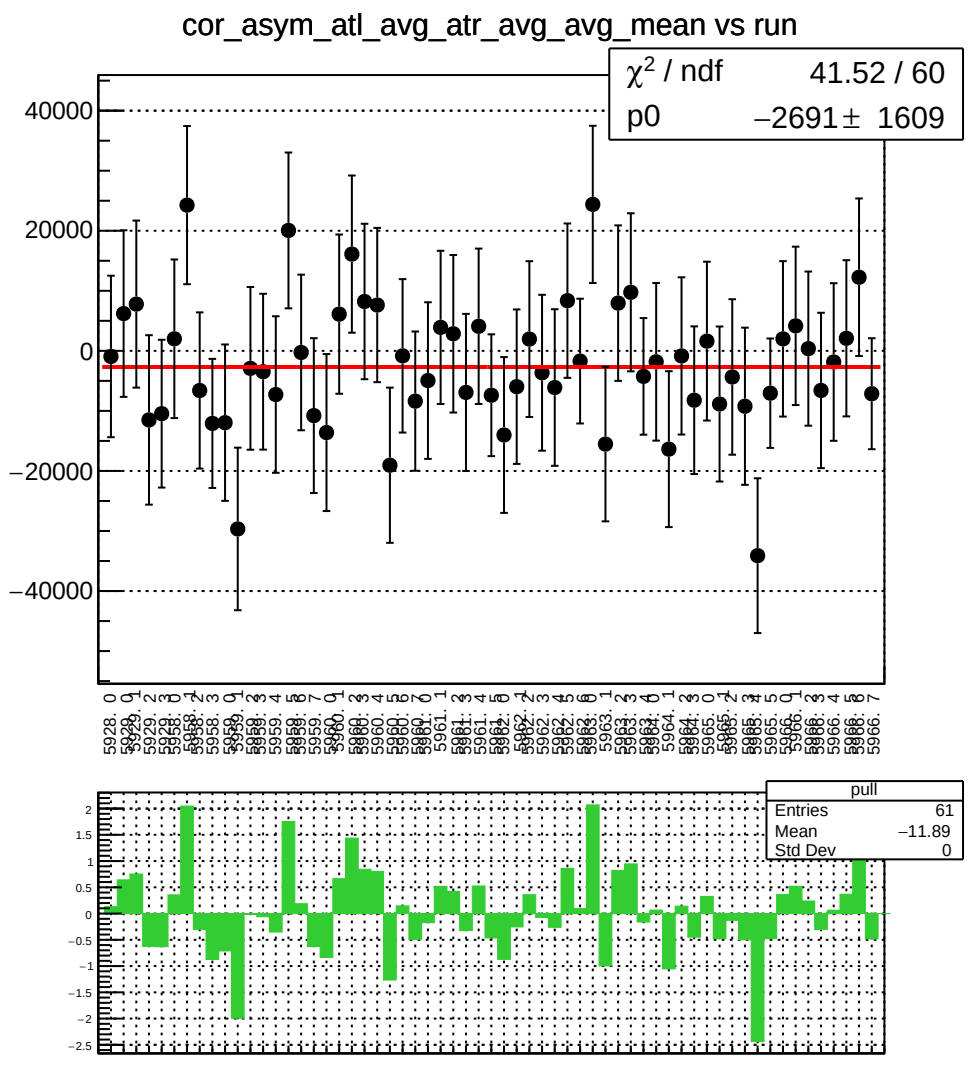

pull1D
Entries 61
Mean 0.01525
Std Dev 0.8249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

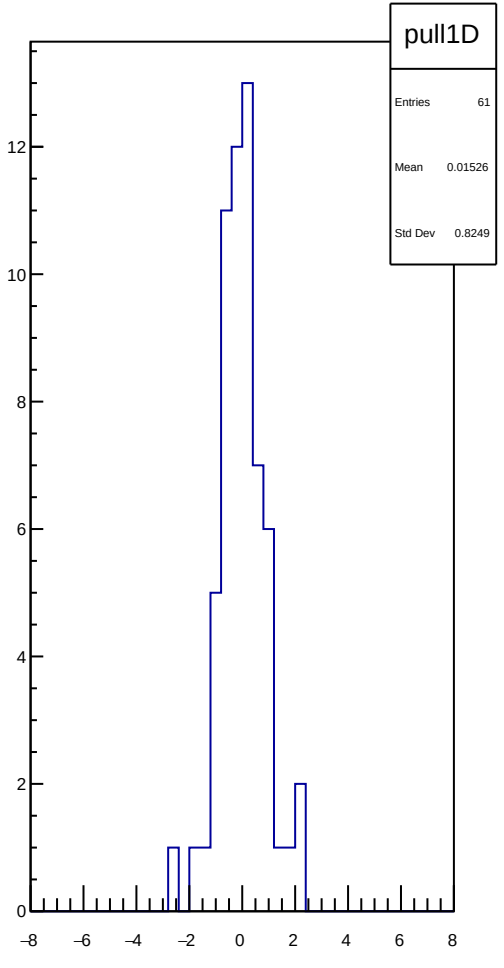

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 666.6 / 60
p0 1242 ± 1.137
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

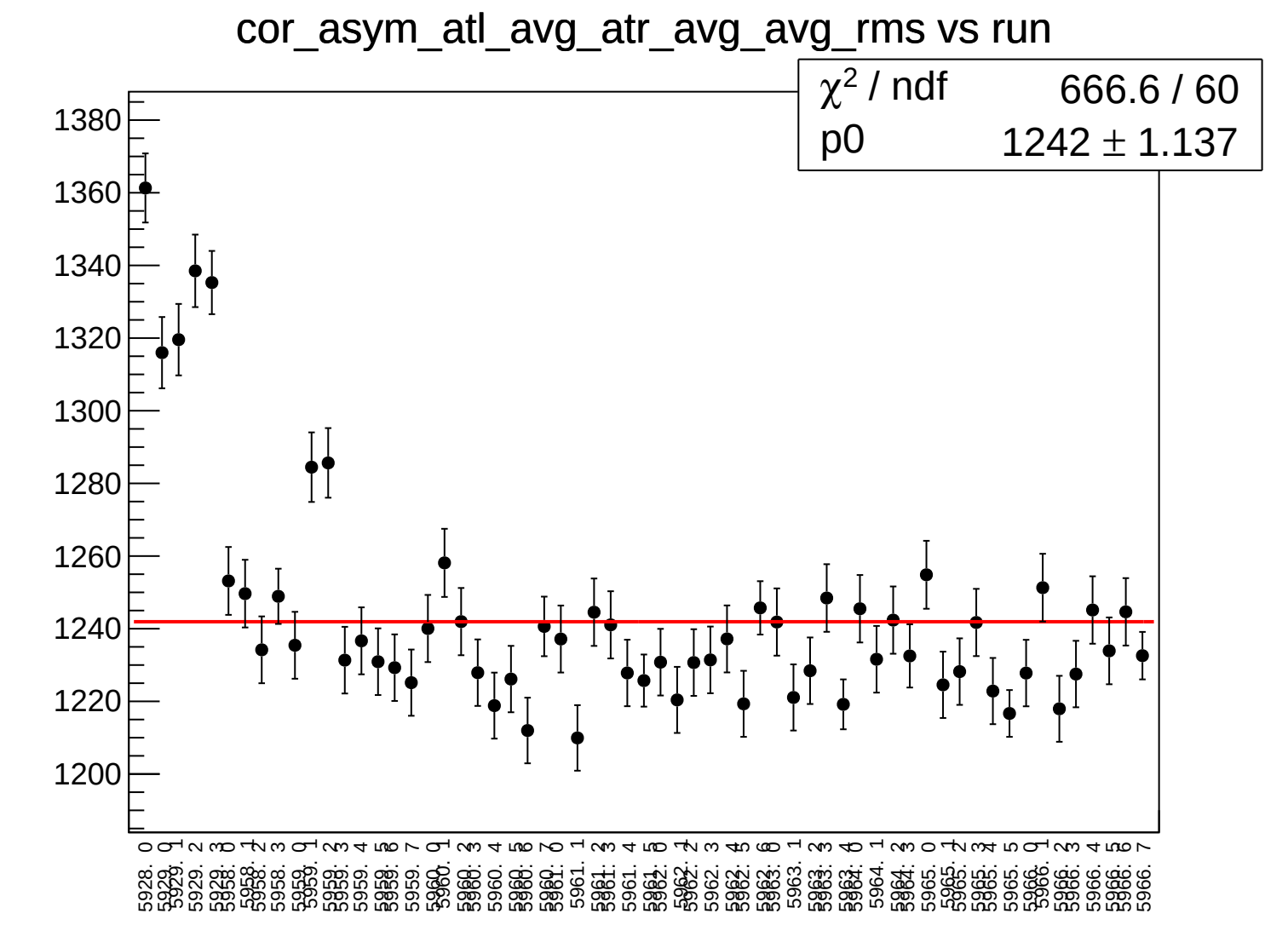

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 68.14 / 60
p0 −699.7 ± 4940
150
100
50
0
−50
−100
pull
Entries 61
Mean 8.989
Std Dev 0
3
2
1
0
−1
−2

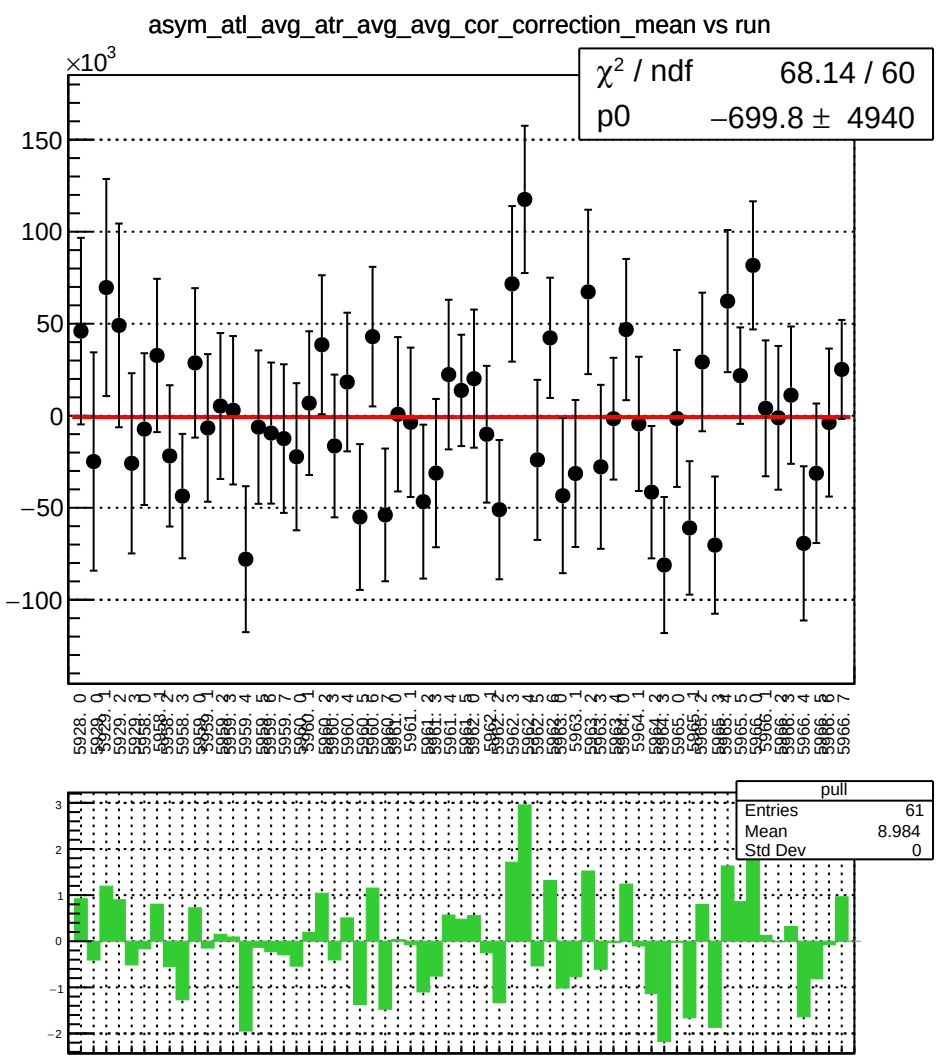

pull1D
Entries 61
Mean −0.004352
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

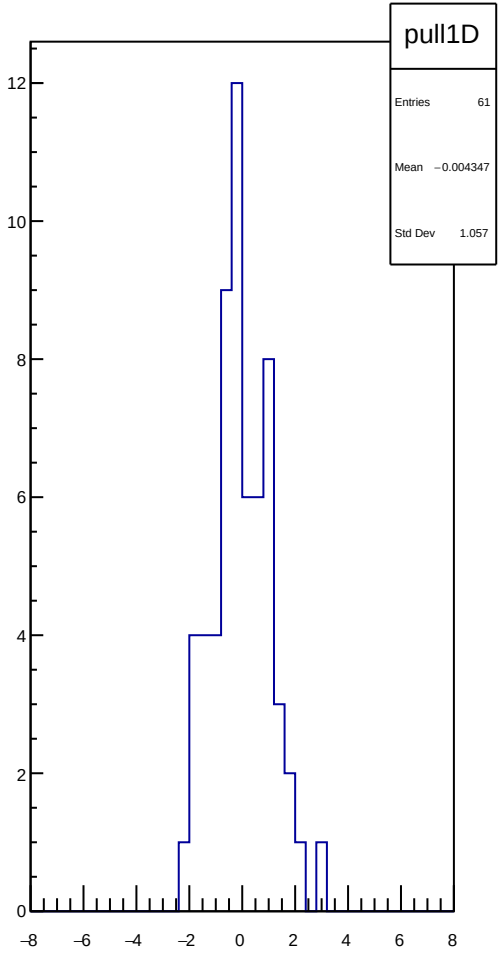

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.212e+04 / 60
p0 3795 ± 3.493
5500
5000
4500
4000
3500

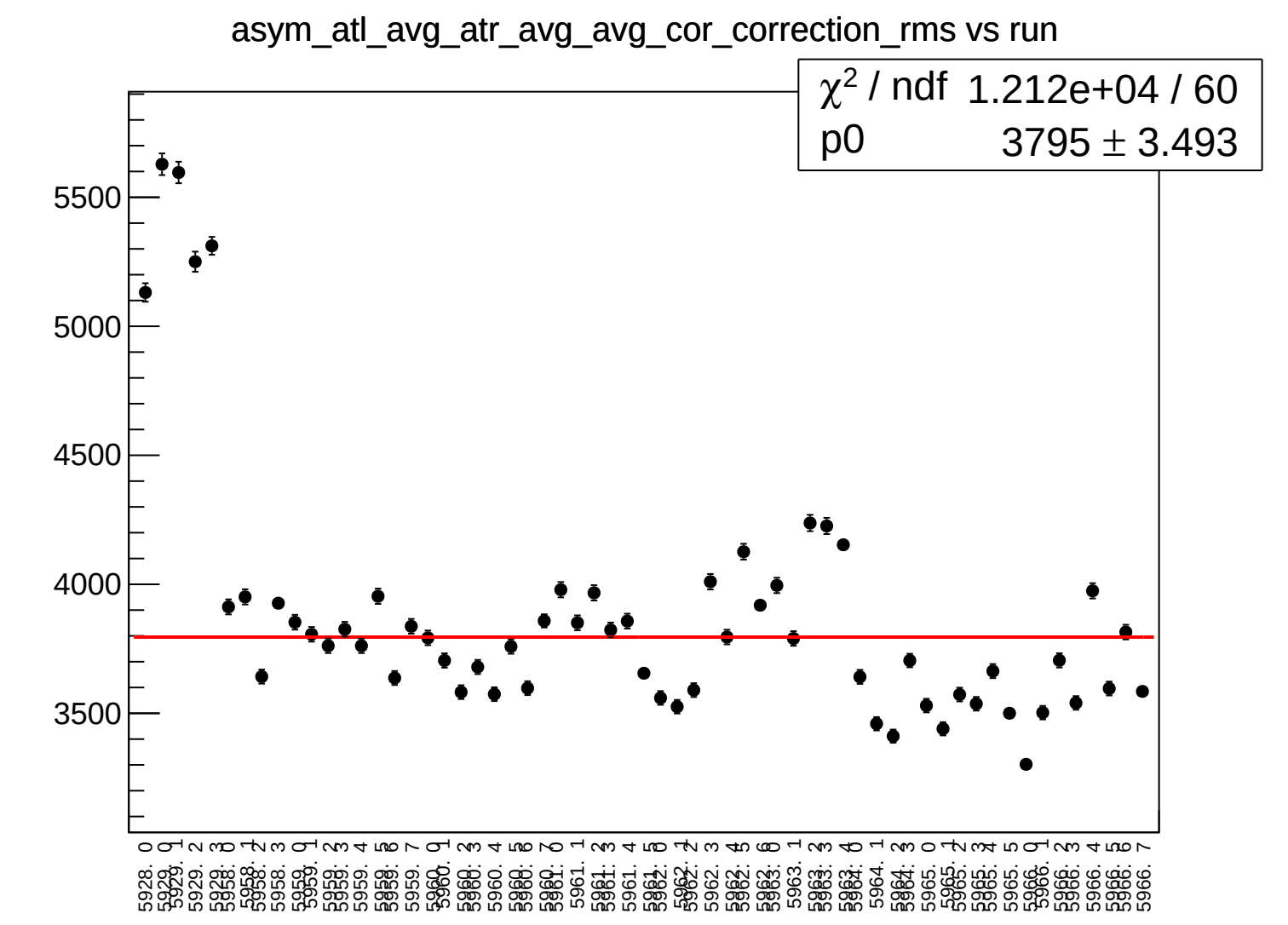

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 41.52 / 60
p0 −2691 ± 1609
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −11.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

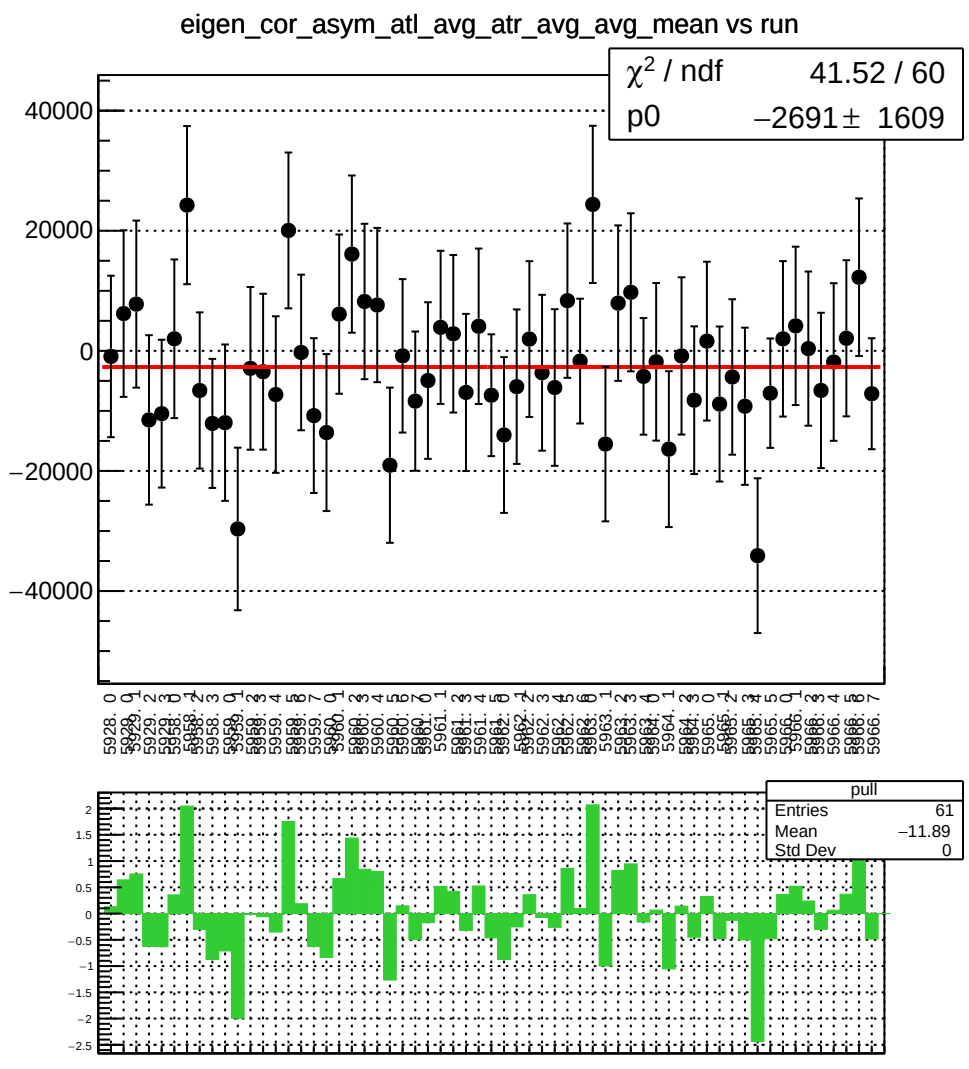

pull1D
Entries 61
Mean 0.01526
Std Dev 0.8249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

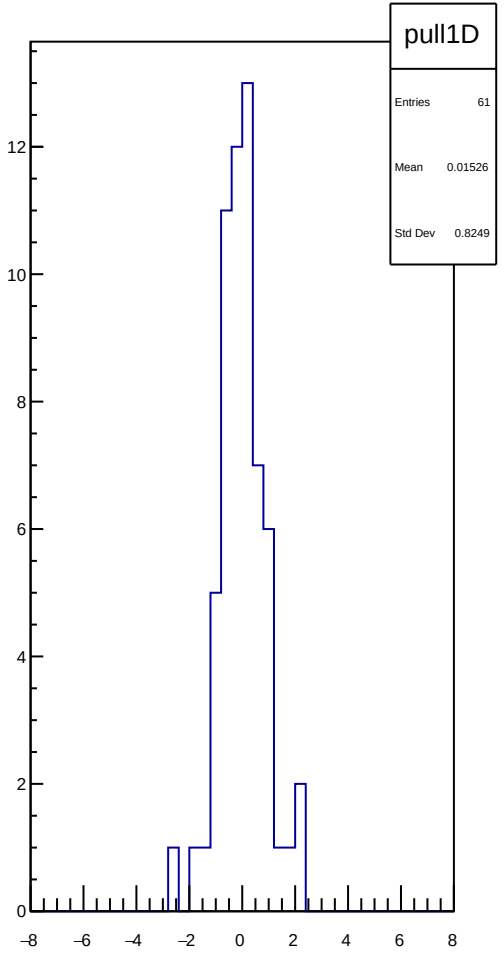

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 666.6 / 60
p0 1242 ± 1.137
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

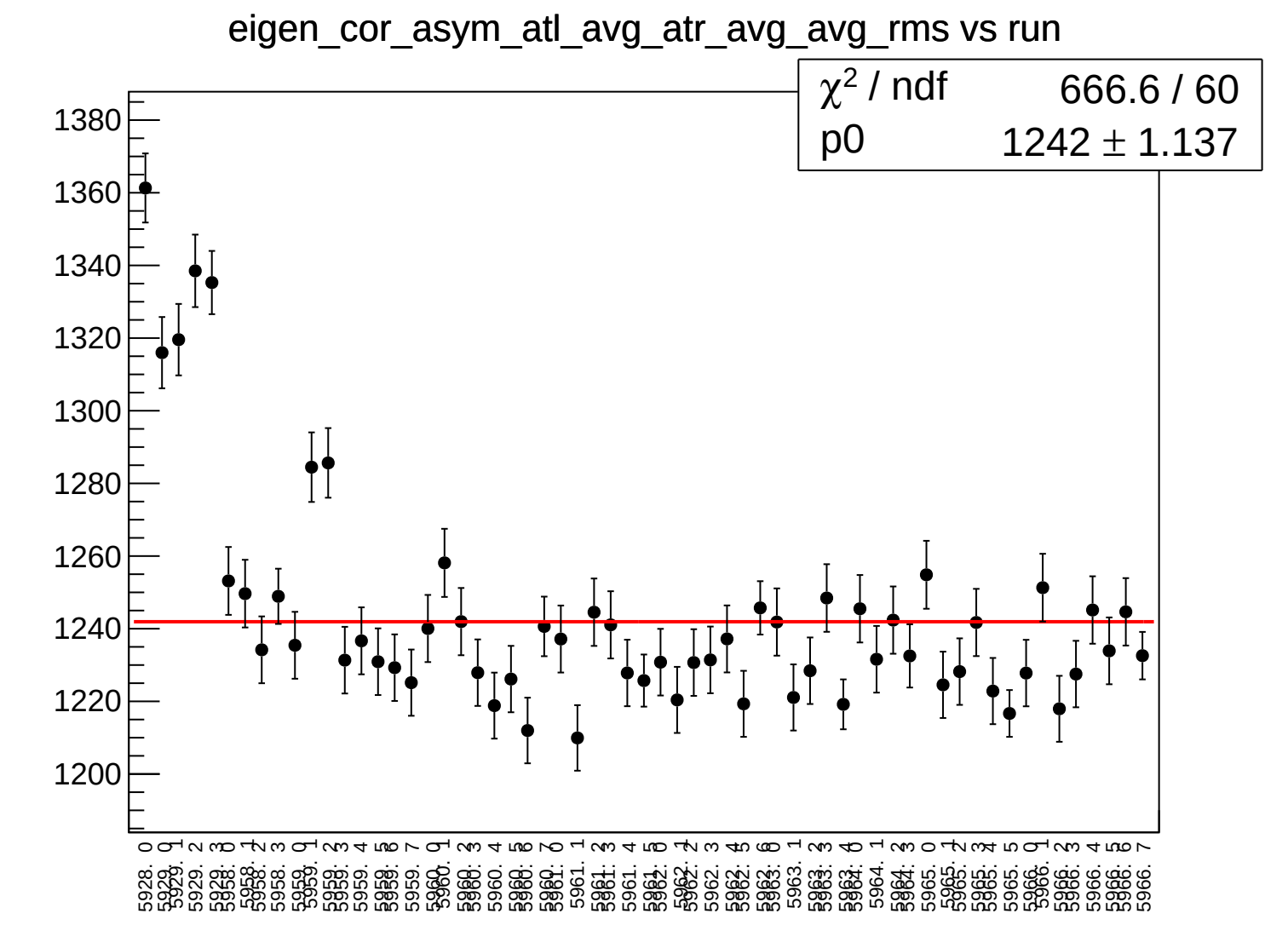

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.14 / 60
p0 −699.8 ± 4940
150
100
50
0
−50
−100
pull
Entries 61
Mean 8.984
Std Dev 0
3
2
1
0
−1
−2

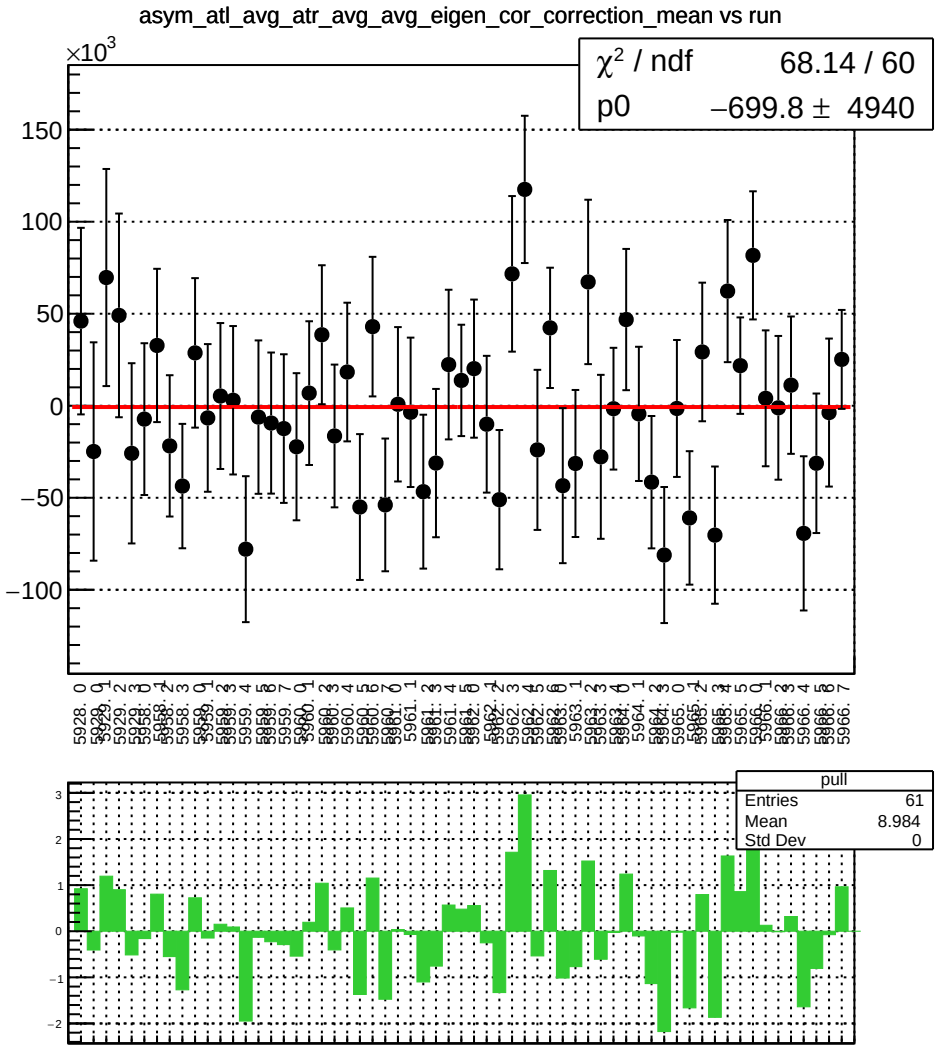

pull1D
Entries 61
Mean −0.004347
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

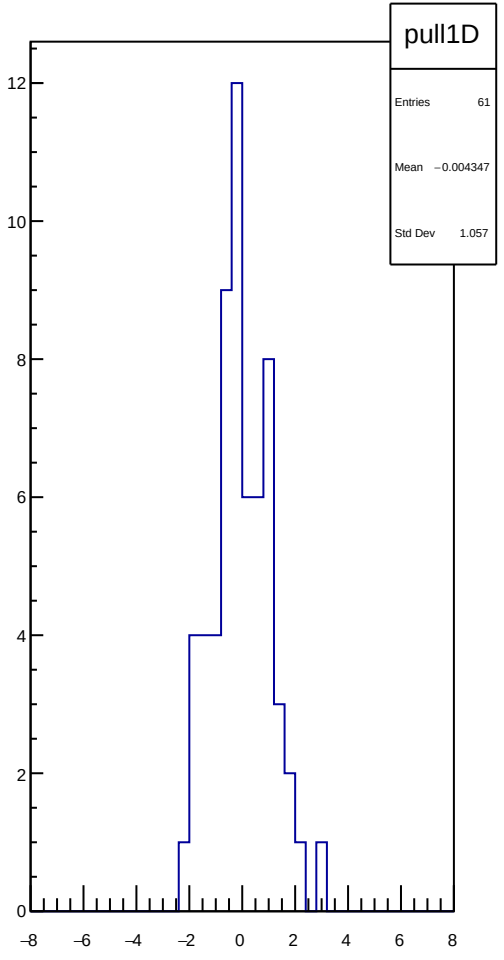

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.212e+04 / 60
p0 3795 ± 3.493
5500
5000
4500
4000
3500

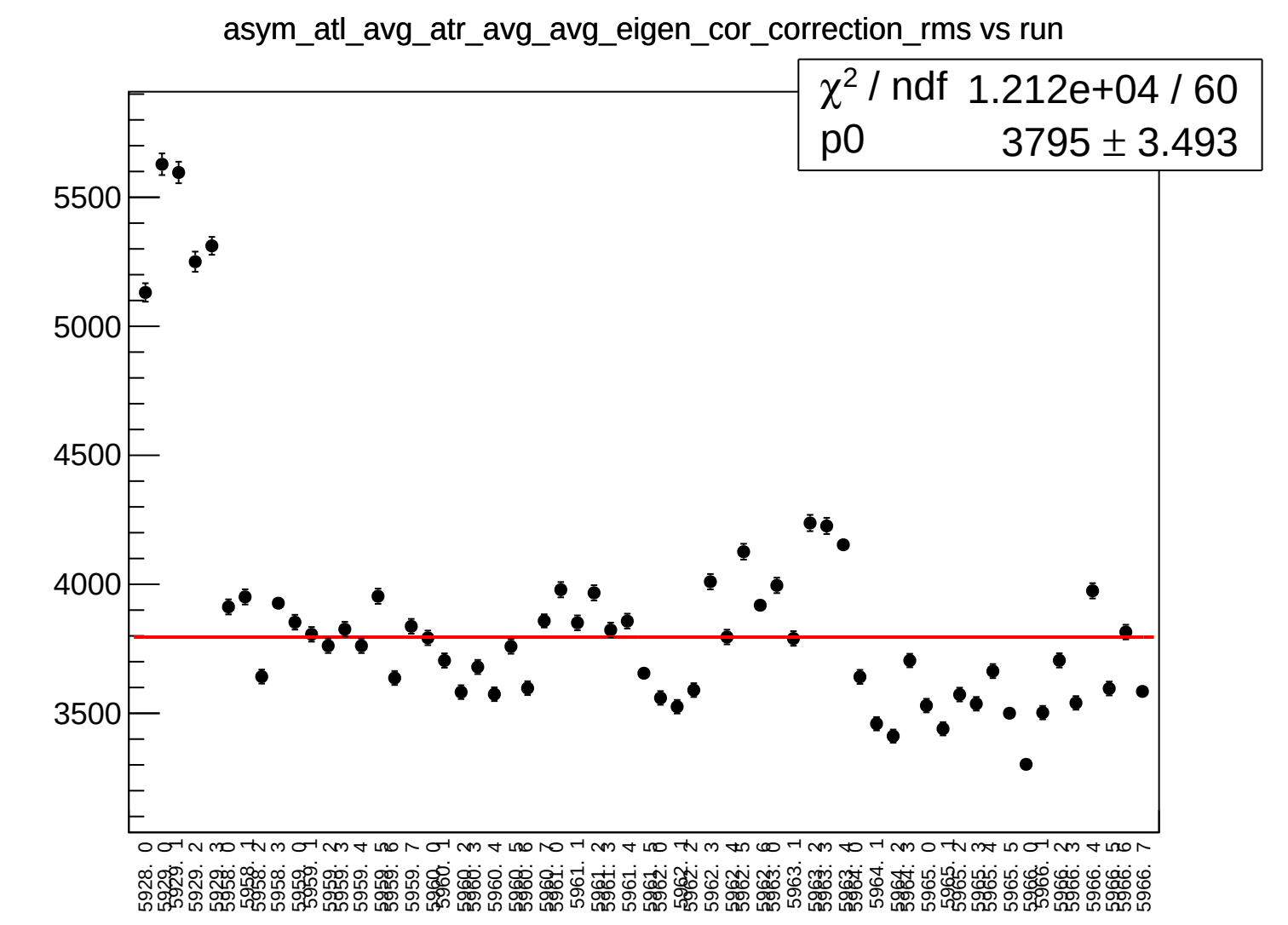

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 41.52 / 60
p0 −2691 ± 1609
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −11.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

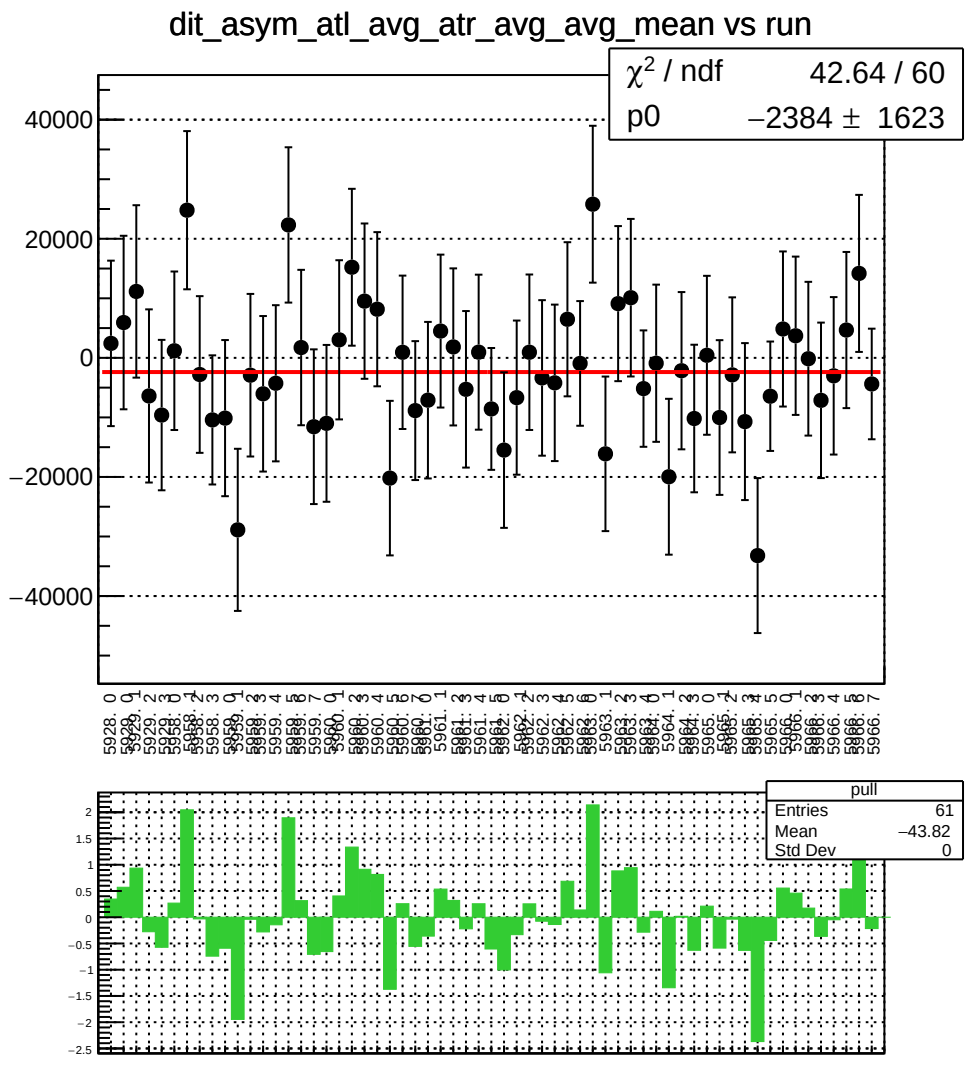

pull1D
Entries 61
Mean 0.01526
Std Dev 0.8249
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

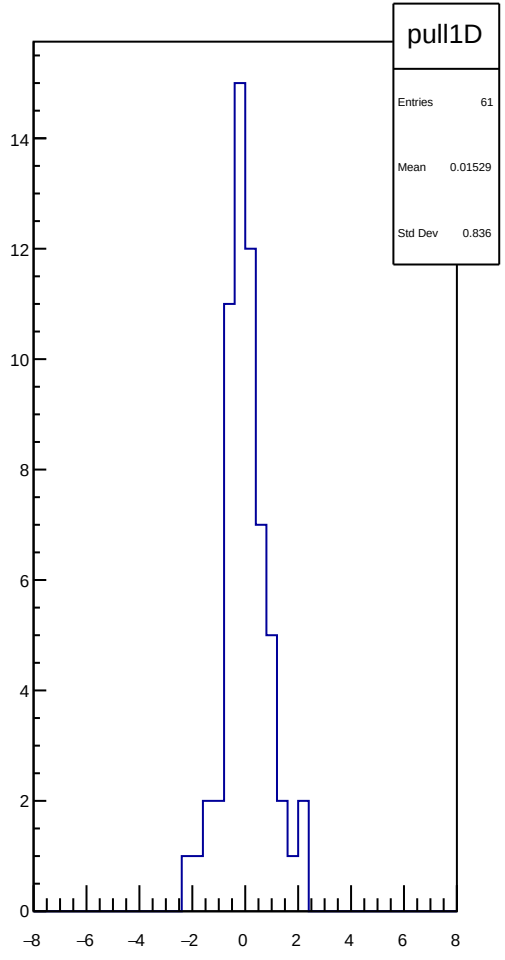

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 666.6 / 60
p0 1242 ± 1.137
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

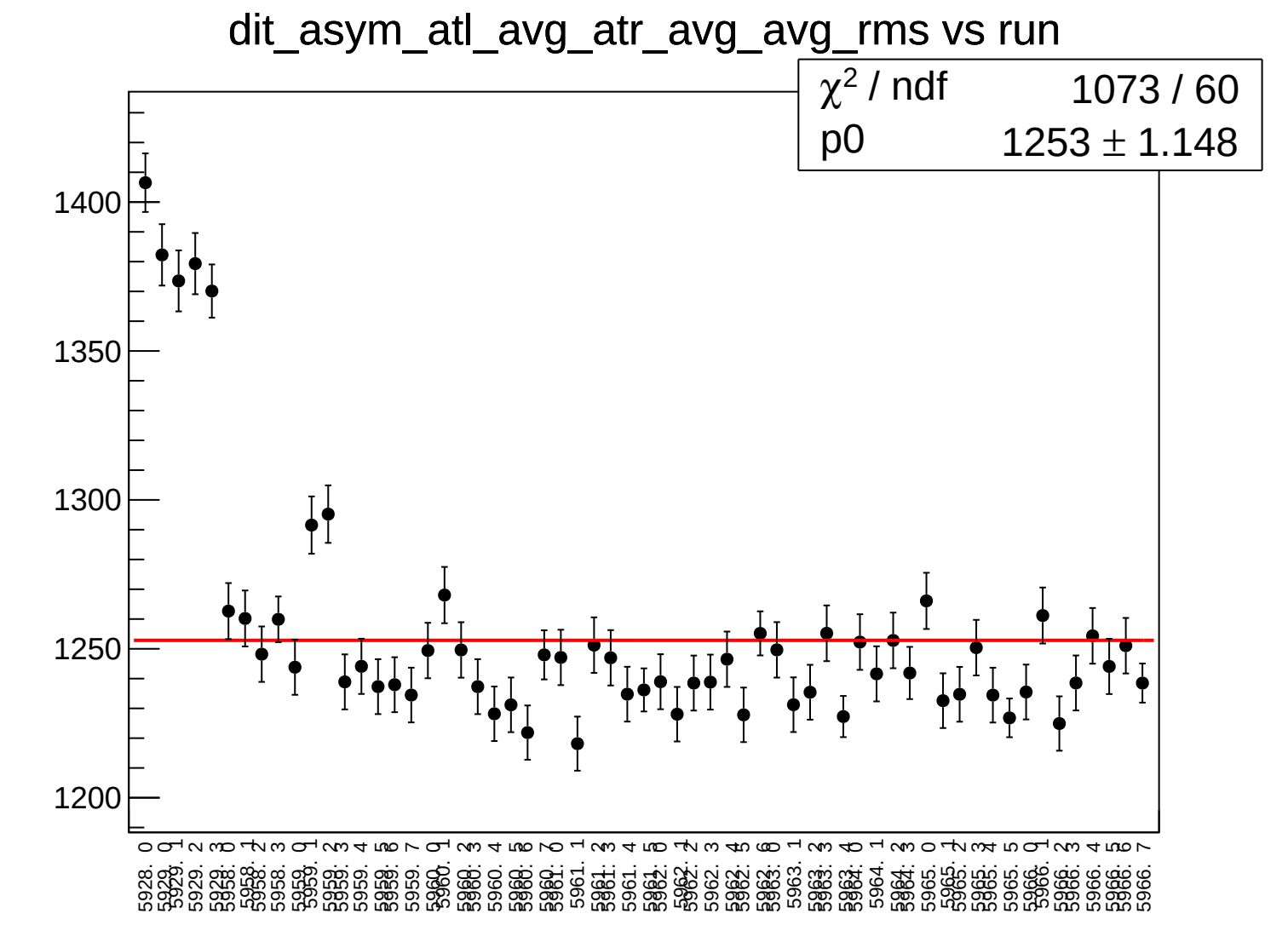

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.14 / 60
p0 −699.8 ± 4940
150
100
50
0
−50
−100
pull
Entries 61
Mean 8.984
Std Dev 0
3
2
1
0
−1
−2

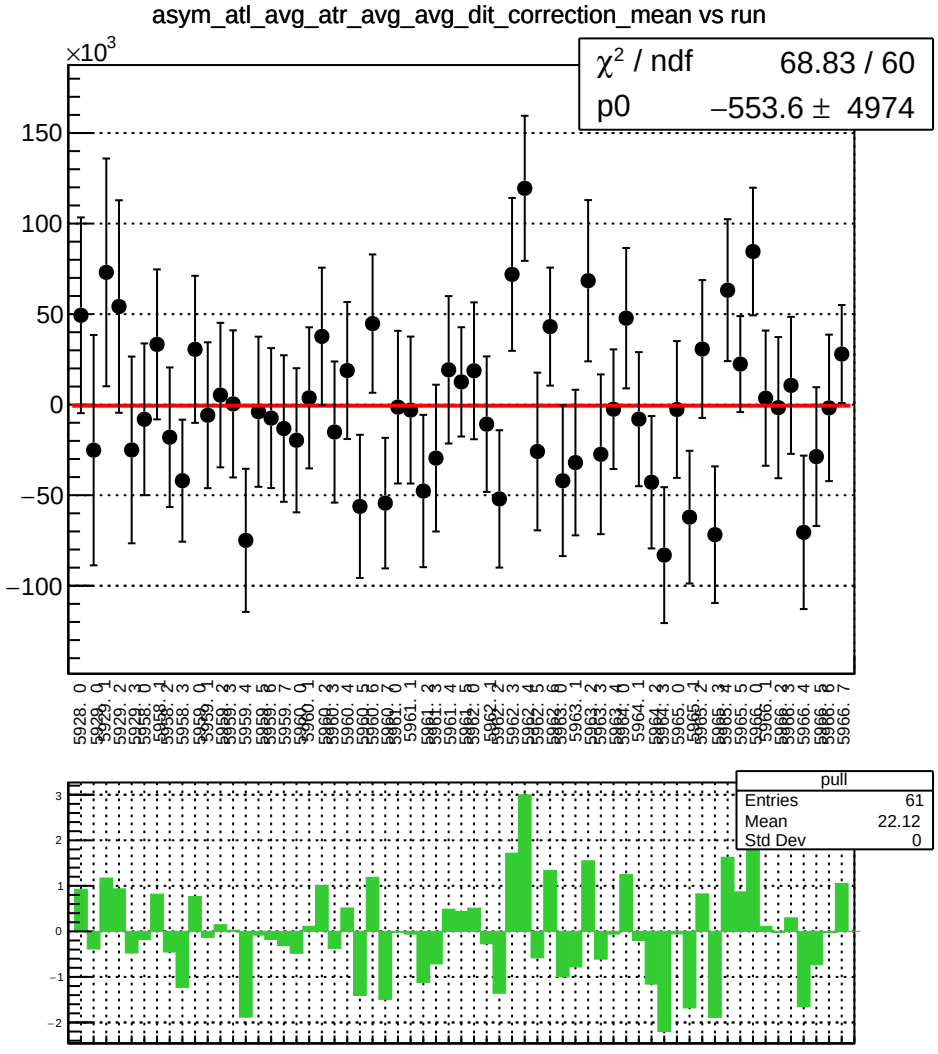

pull1D
Entries 61
Mean −0.004347
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

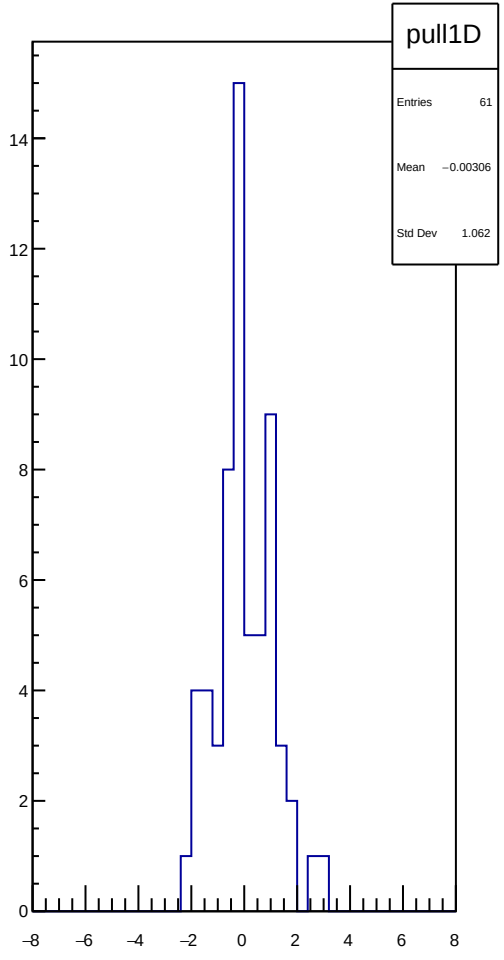

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.212e+04 / 60
p0 3795 ± 3.493
5500
5000
4500
4000
3500

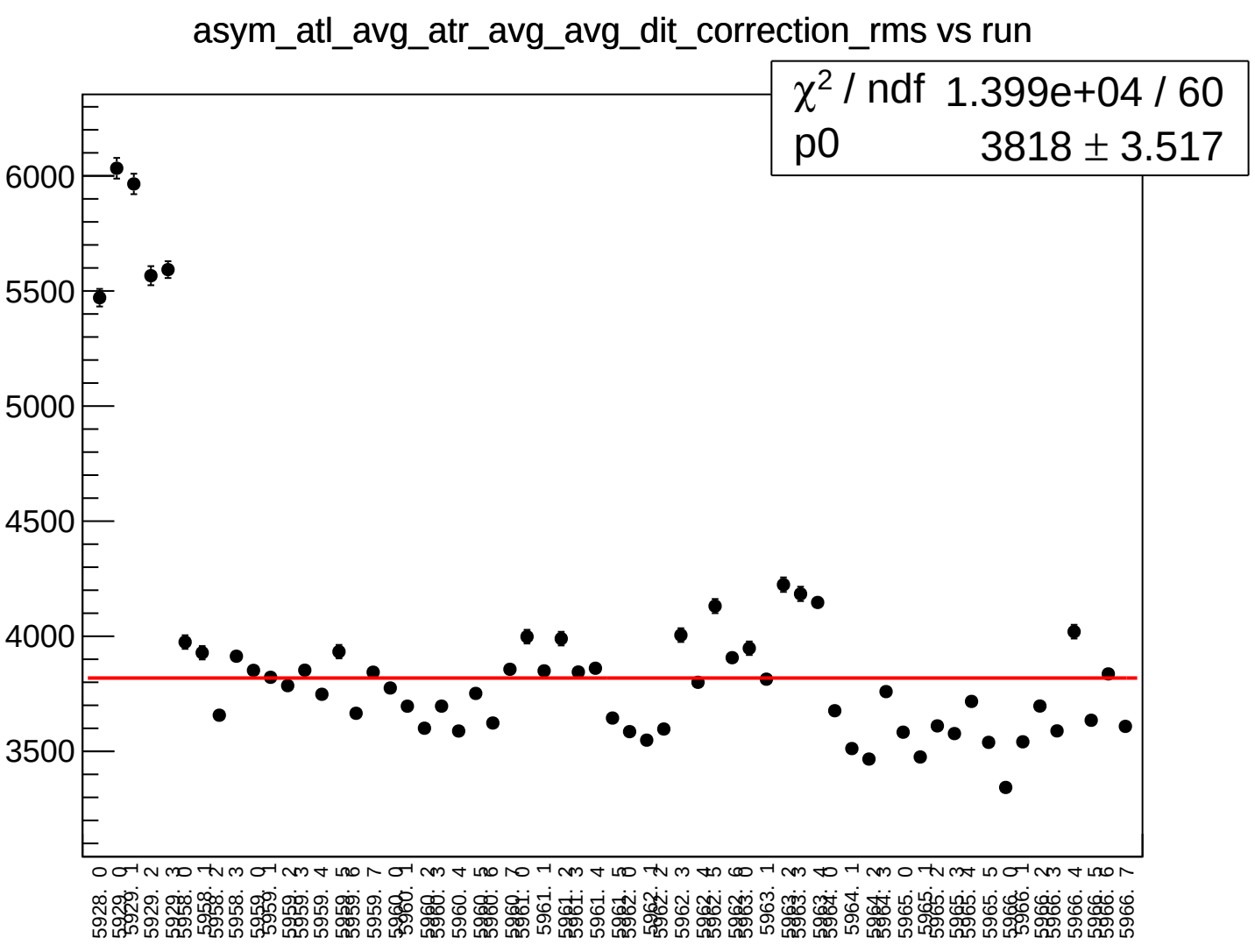

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 42.64 / 60
p0 −2384 ± 1623
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −43.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

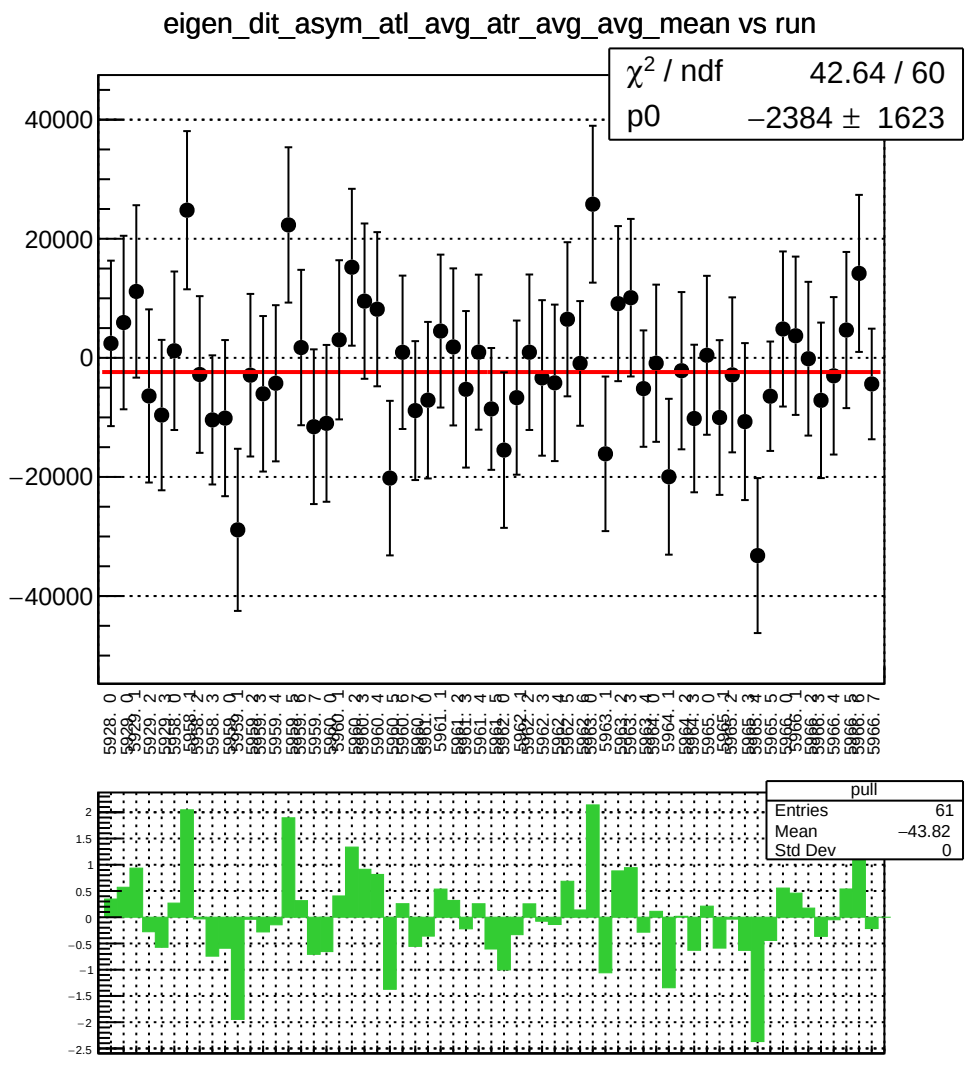

pull1D
Entries 61
Mean 0.01529
Std Dev 0.836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

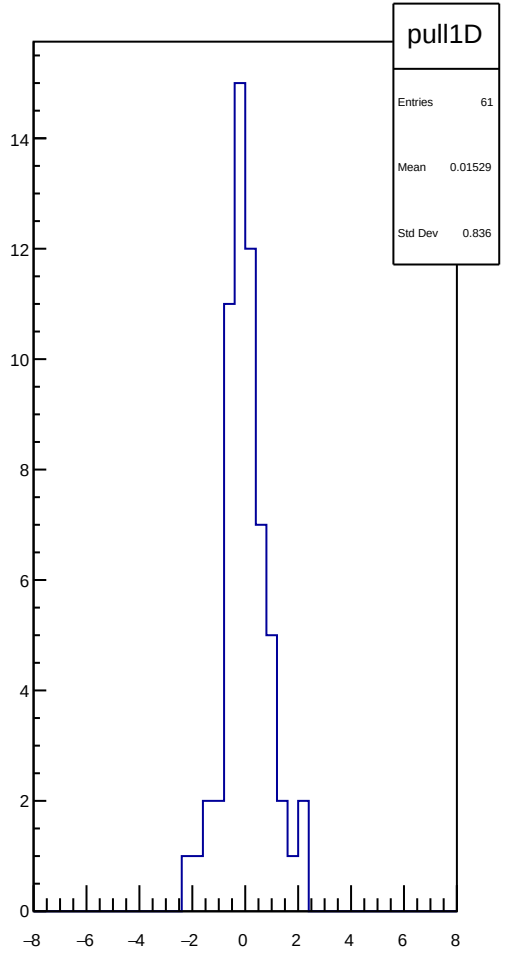

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1073 / 60
p0 1253 ± 1.148
1400
1350
1300
1250
1200

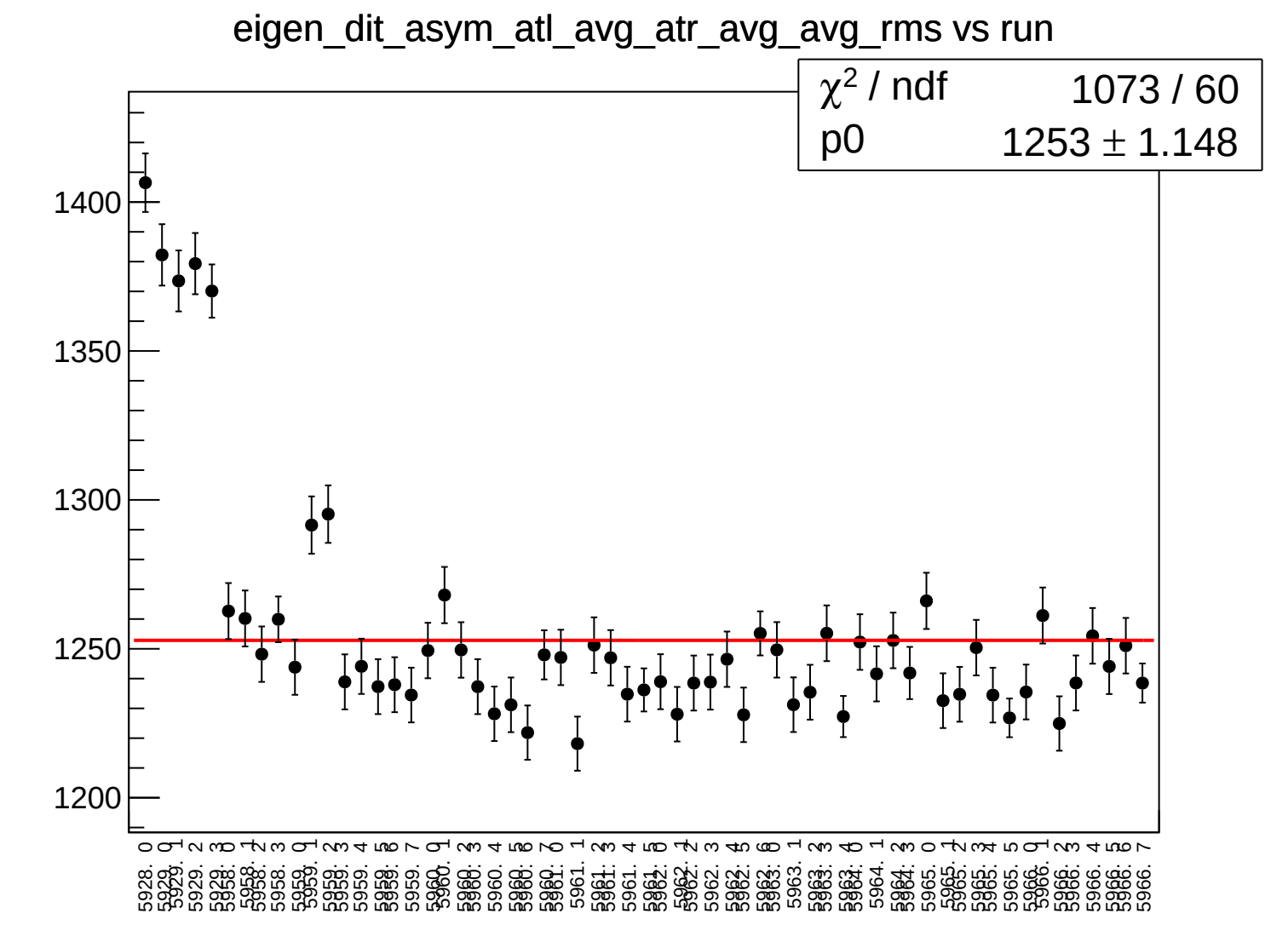

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 68.83 / 60
p0 −553.6 ± 4974
150
100
50
0
−50
−100
pull
Entries 61
Mean 22.12
Std Dev 0
3
2
1
0
−1
−2

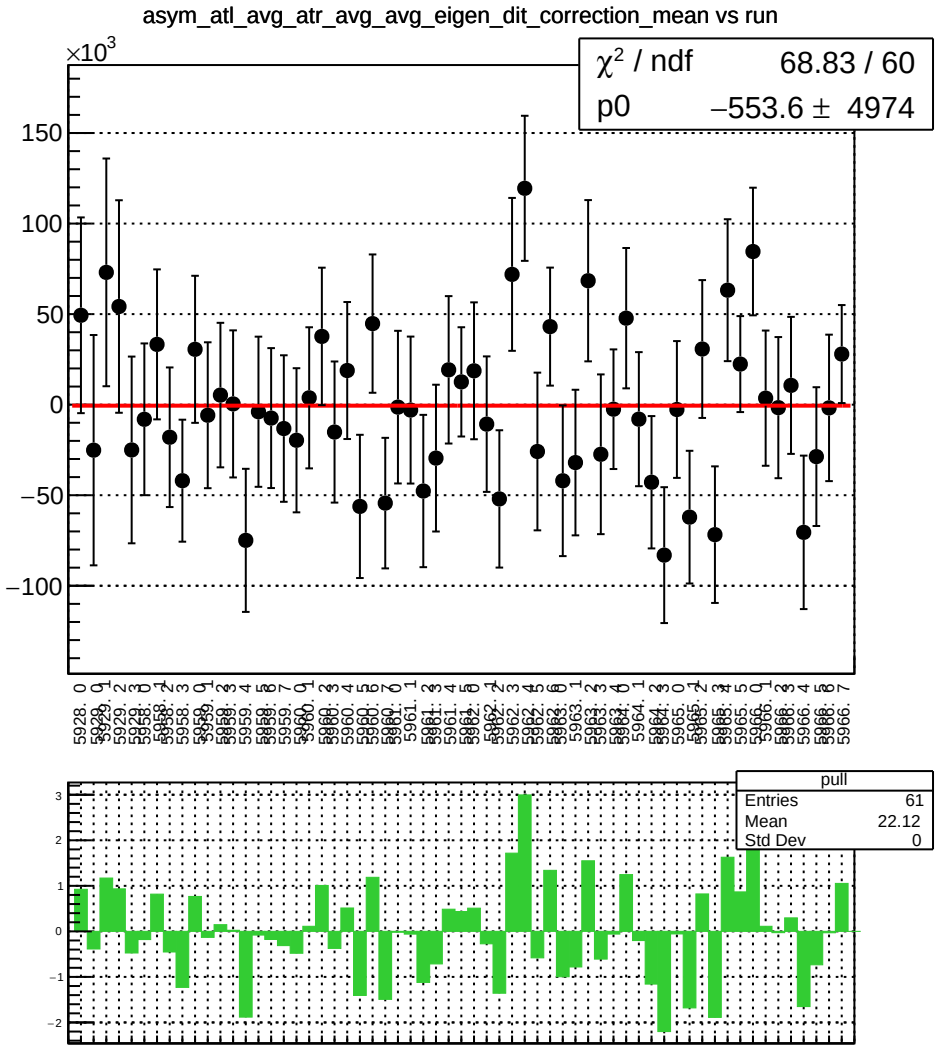

pull1D
Entries 61
Mean −0.00306
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

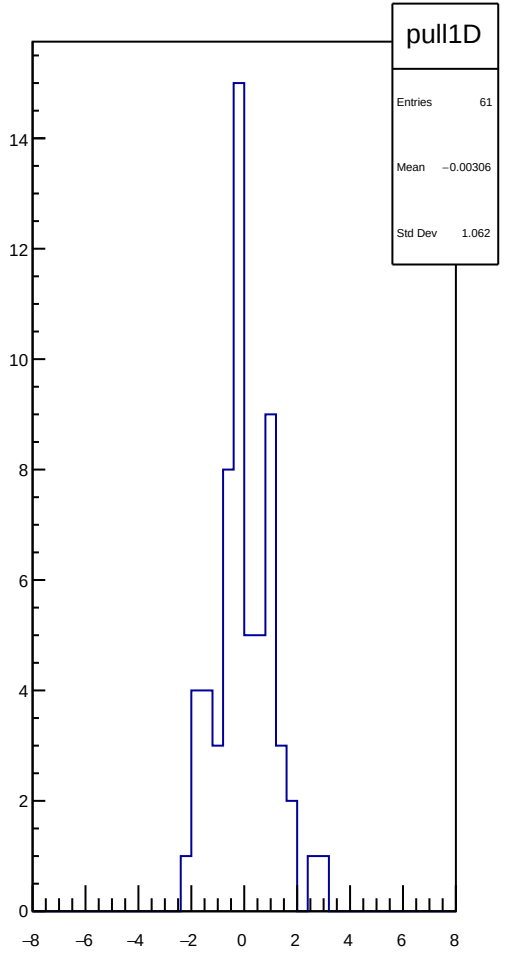

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.399e+04 / 60
p0 3818 ± 3.517
6000
5500
5000
4500
4000
3500

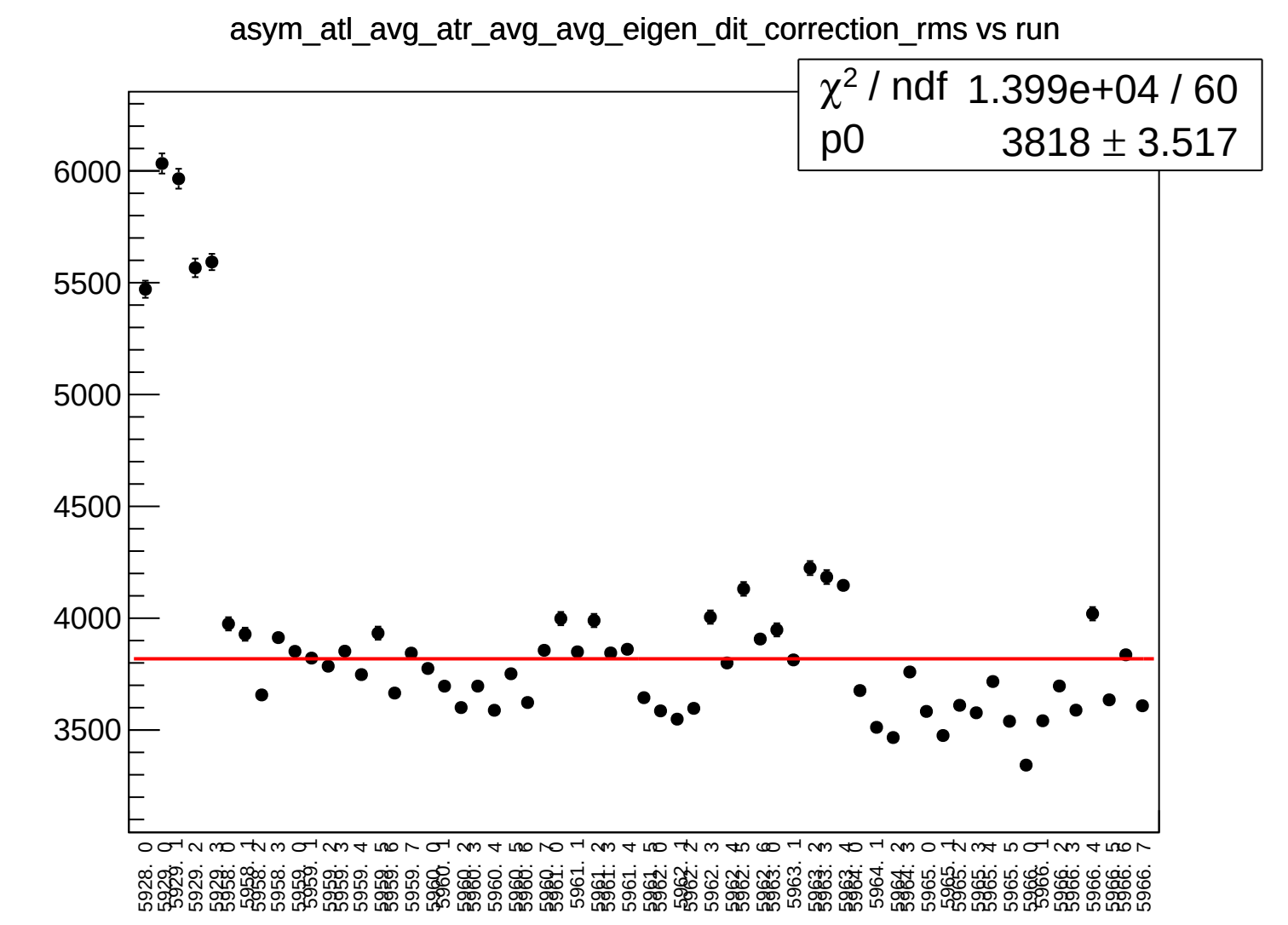

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 42.64 / 60
p0 −2384 ± 1623
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −43.82
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

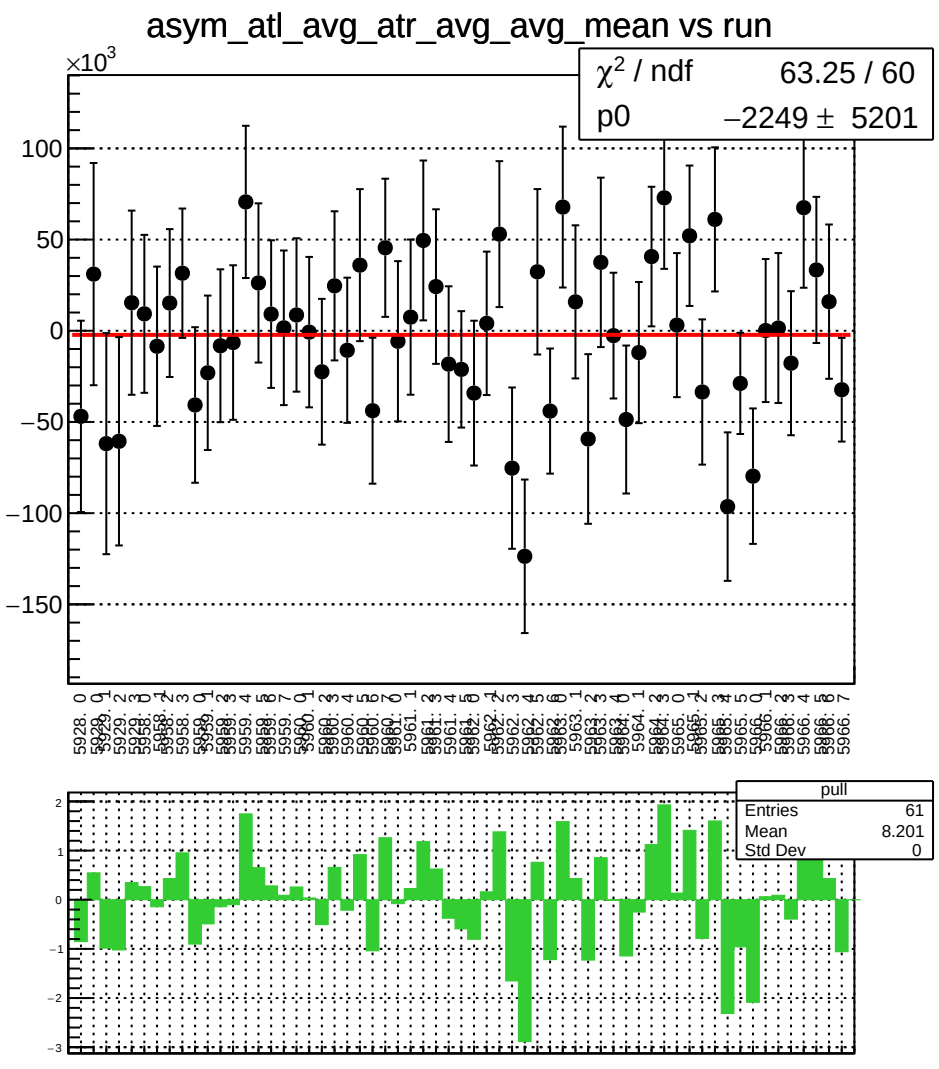

pull1D
Entries 61
Mean 0.01529
Std Dev 0.836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

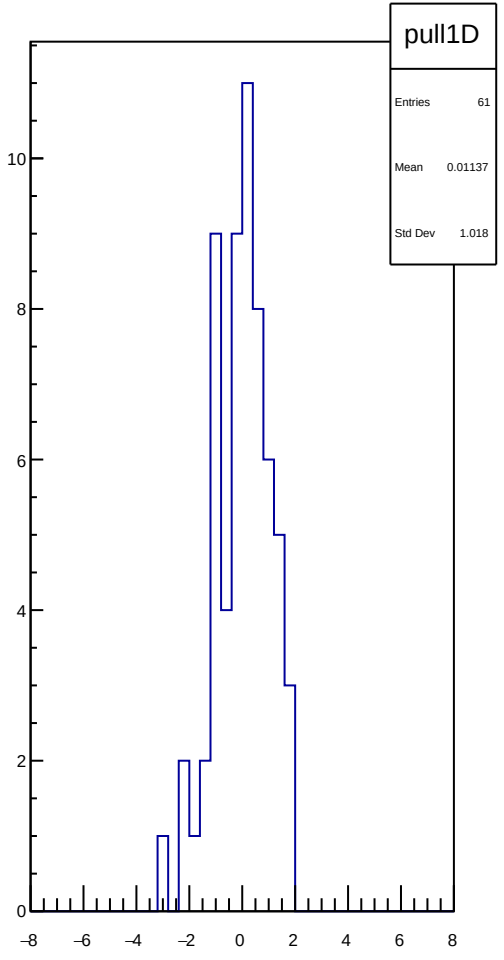

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1073 / 60
p0 1253 ± 1.148
1400
1350
1300
1250
1200

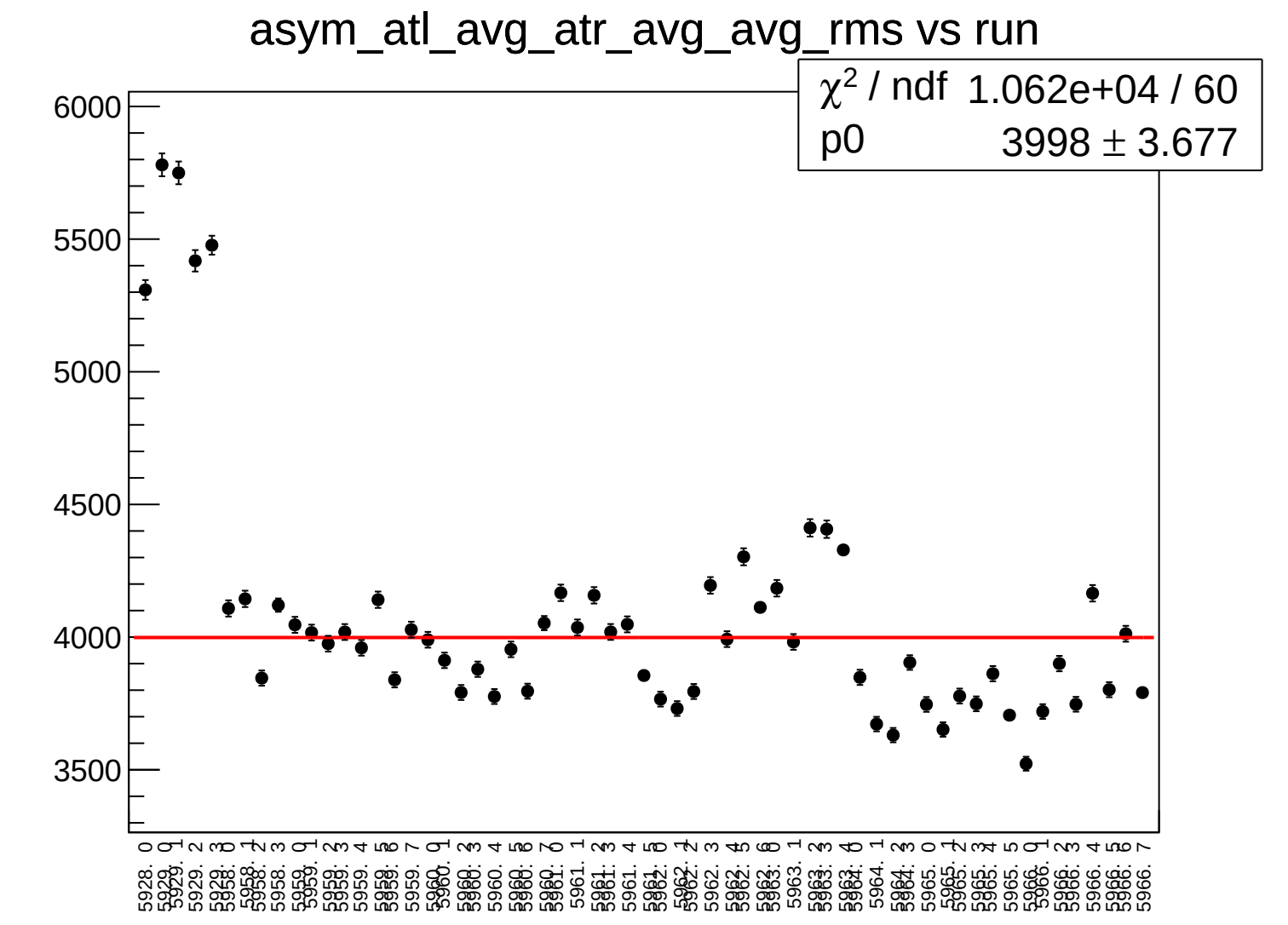

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.83 / 60
p0 −553.6 ± 4974
150
100
50
0
−50
−100
pull
Entries 61
Mean 22.12
Std Dev 0
3
2
1
0
−1
−2

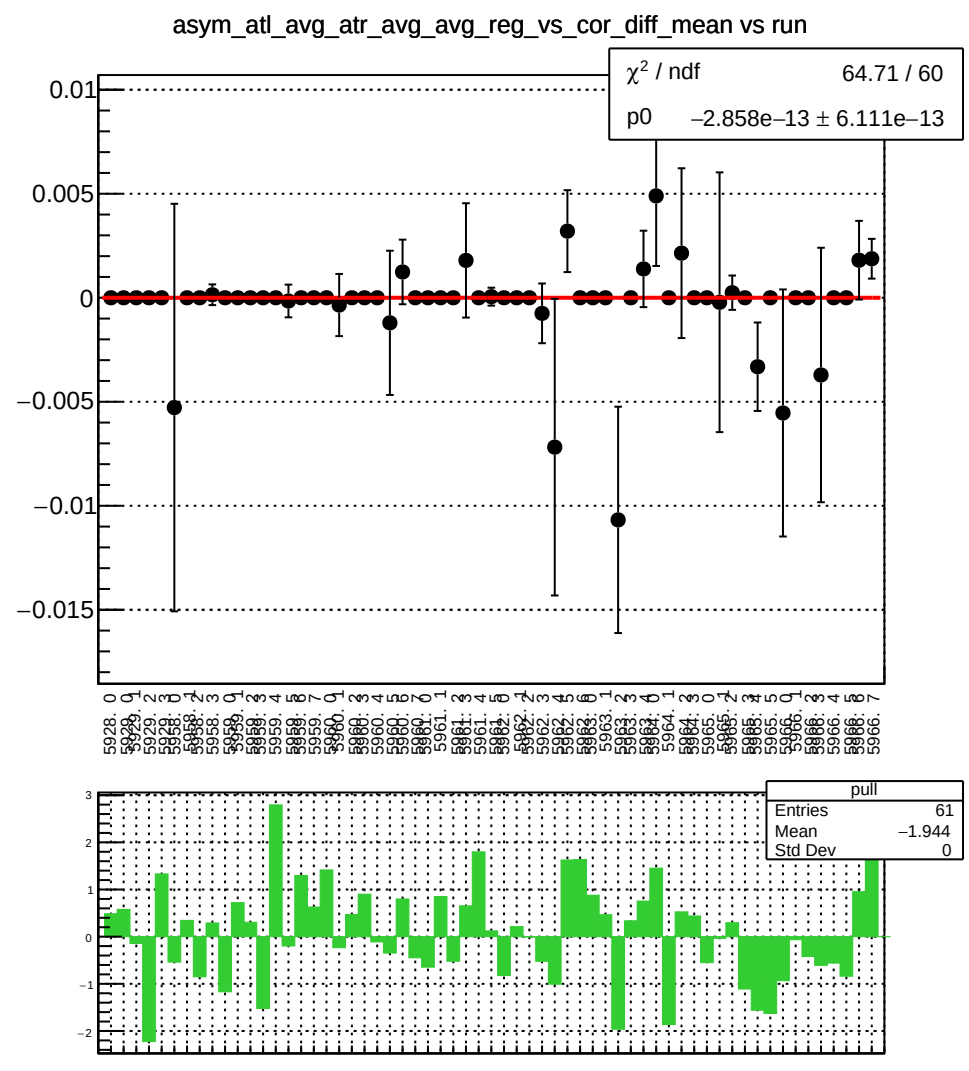

pull1D
Entries 61
Mean −0.00306
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

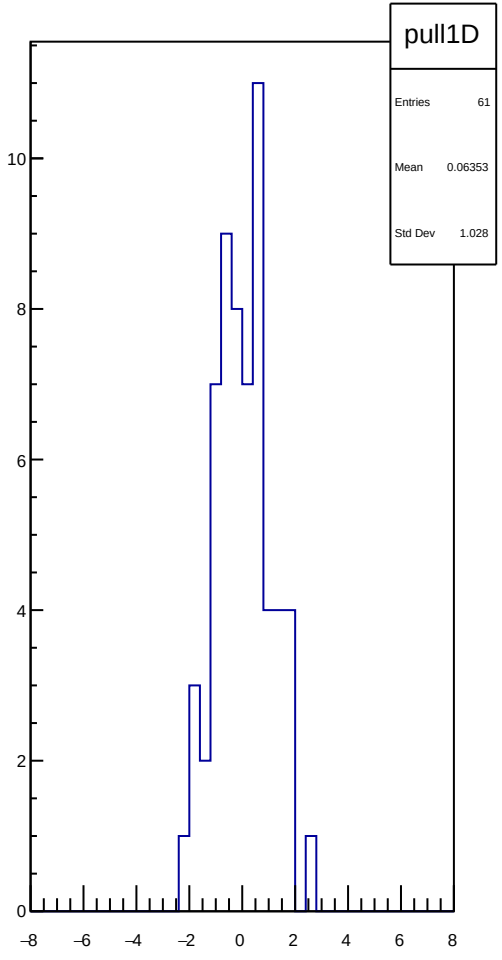

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.399e+04 / 60
p0 3818 ± 3.517
6000
5500
5000
4500
4000
3500

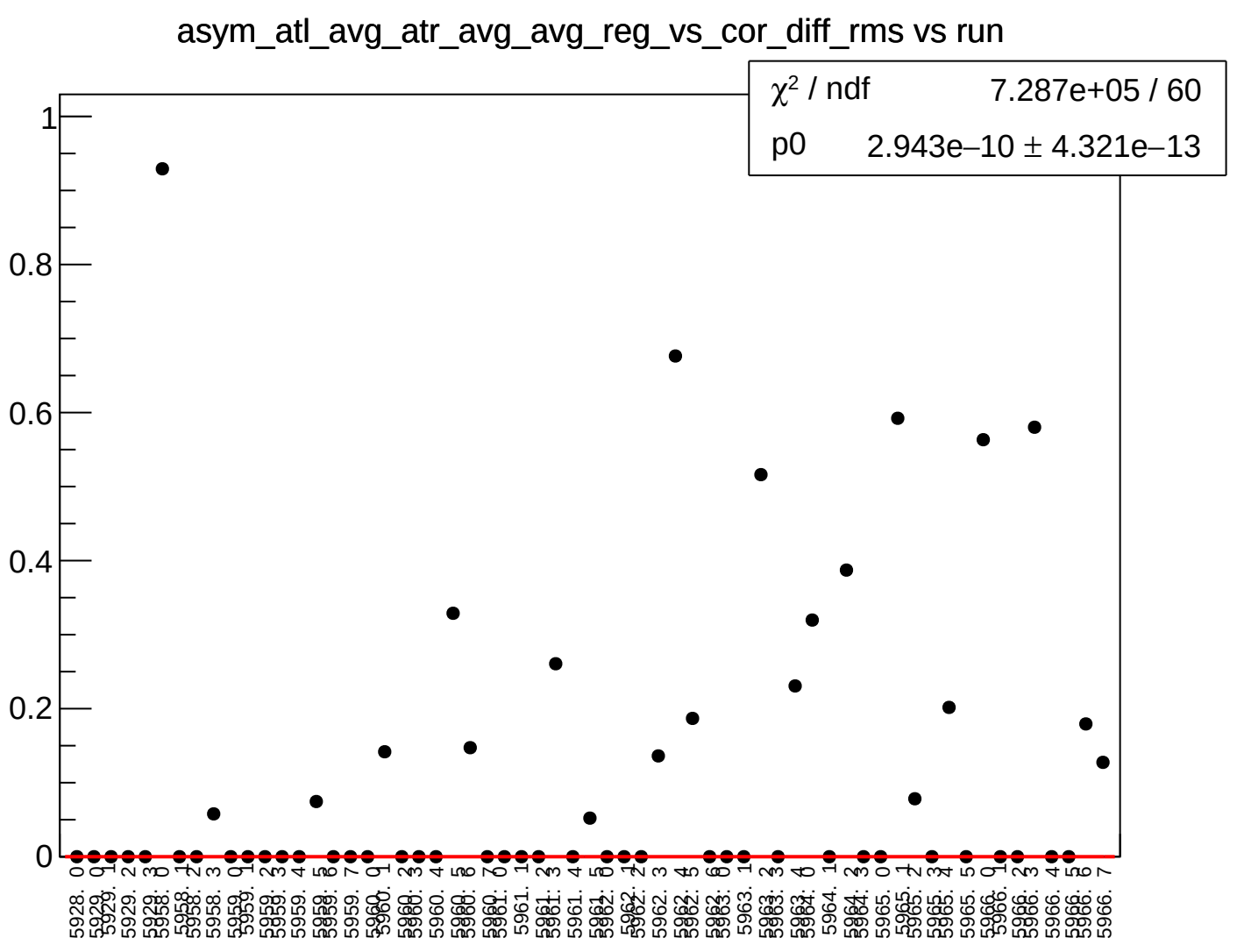

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 63.25 / 60
p0 −2249 ± 5201
100
50
0
−50
−100
−150
pull
Entries 61
Mean 8.201
Std Dev 0
2
1
0
−1
−2
−3

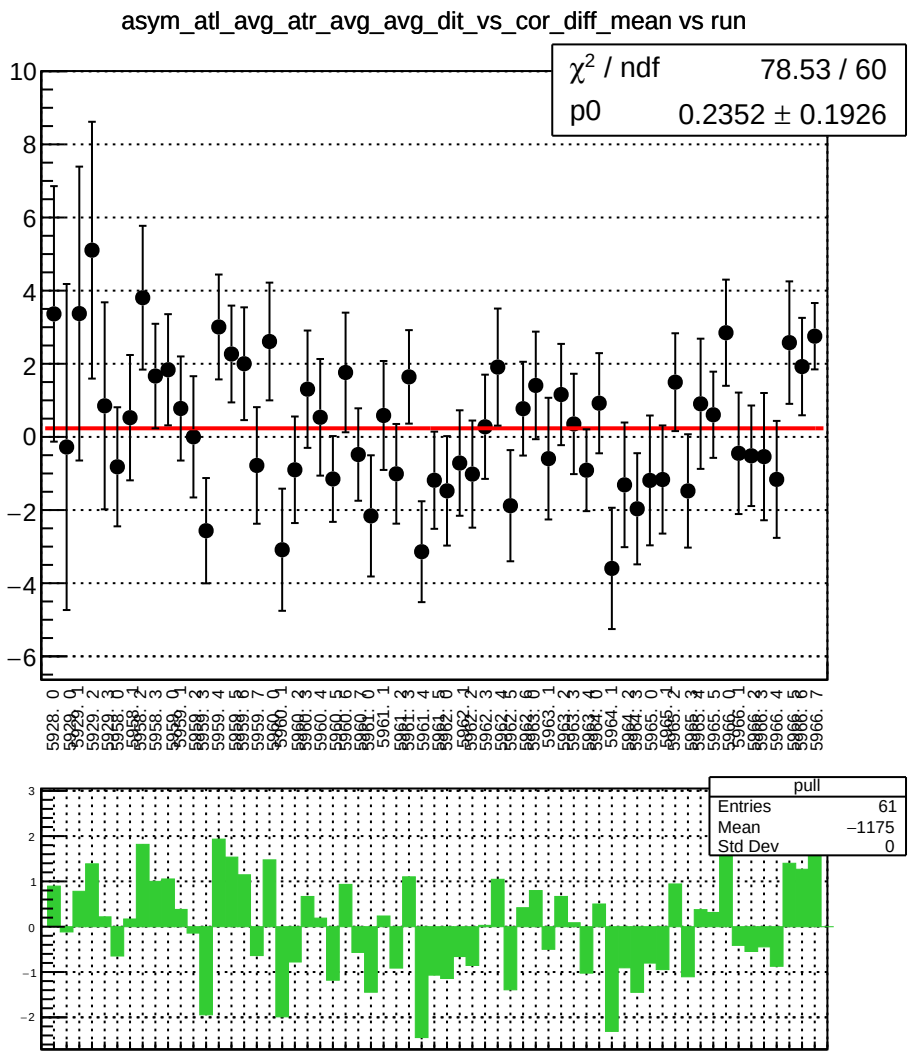

pull1D
Entries 61
Mean 0.01137
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

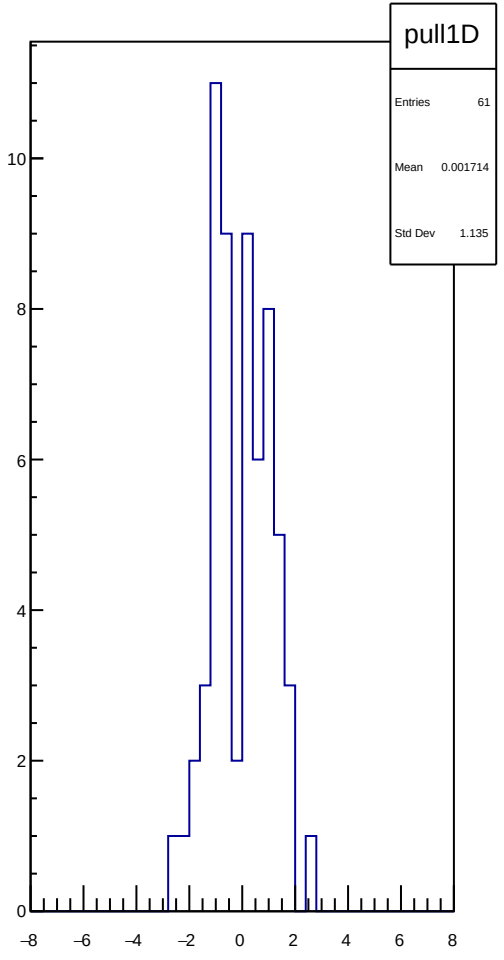

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.062e+04 / 60
p0 3998 ± 3.677
6000
5500
5000
4500
4000
3500

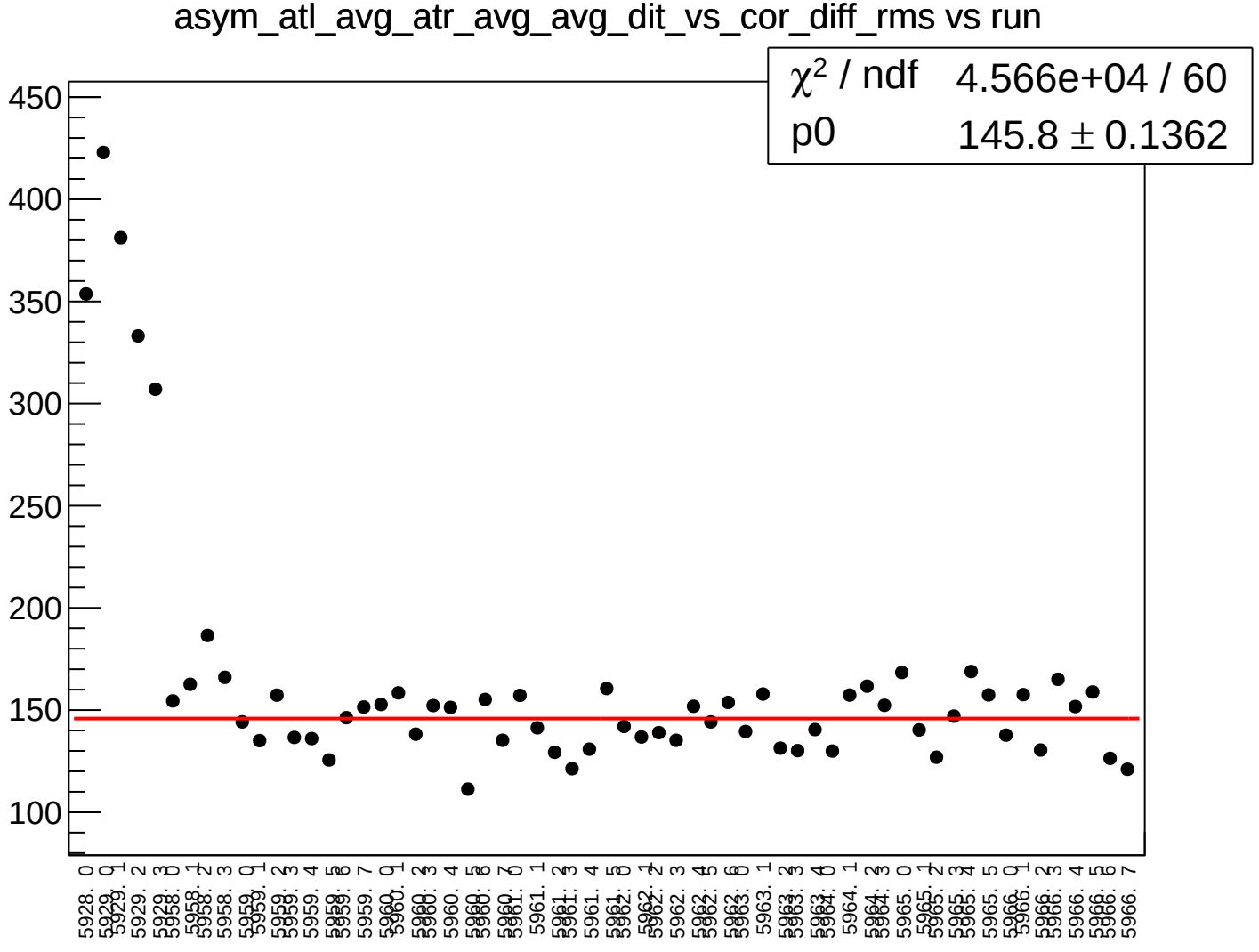

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.71 / 60
p0 −2.858e−13 ± 6.111e−13
pull
Entries 61
Mean −1.944
Std Dev 0

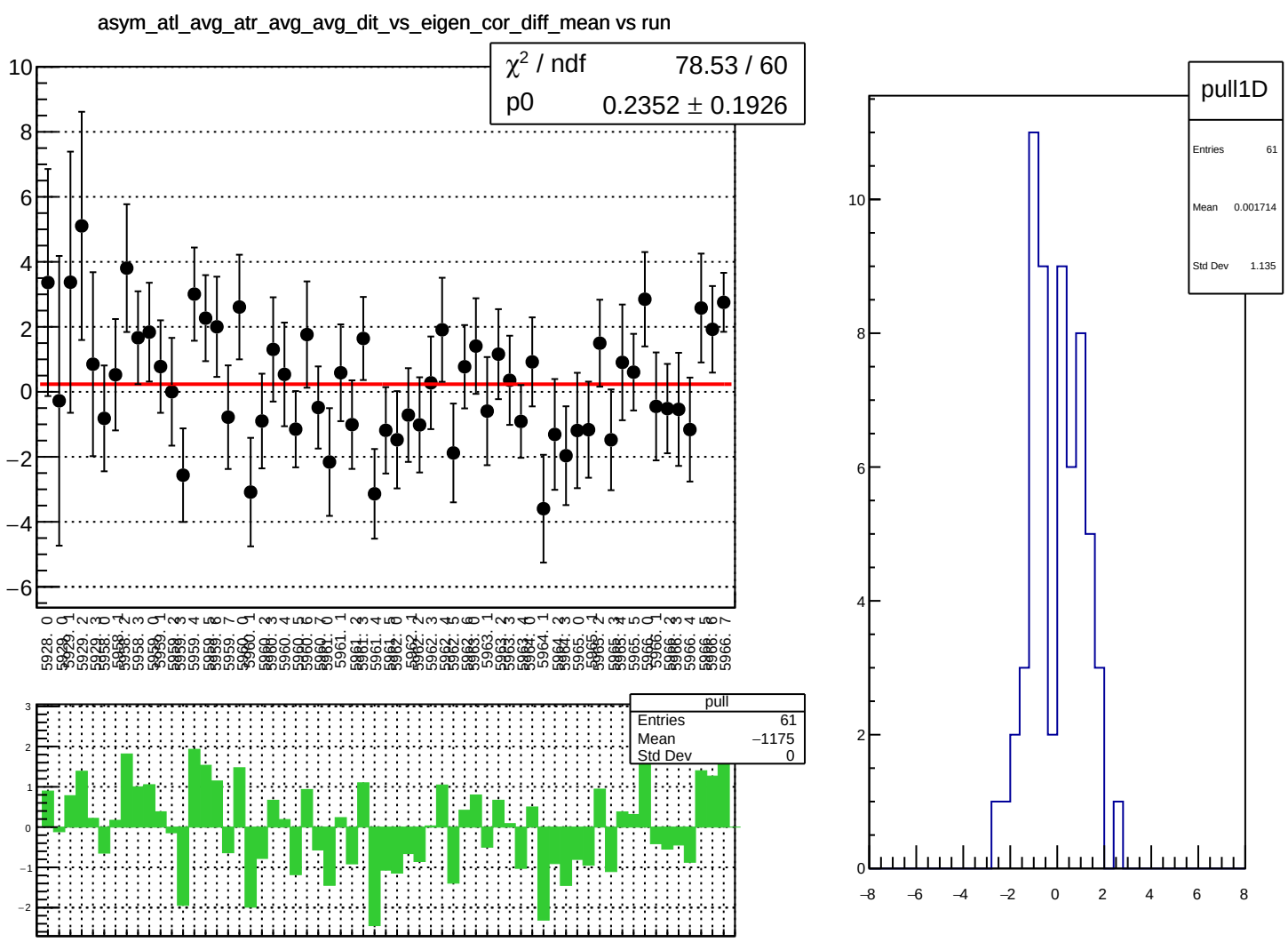

pull1D
Entries 61
Mean 0.06353
Std Dev 1.028

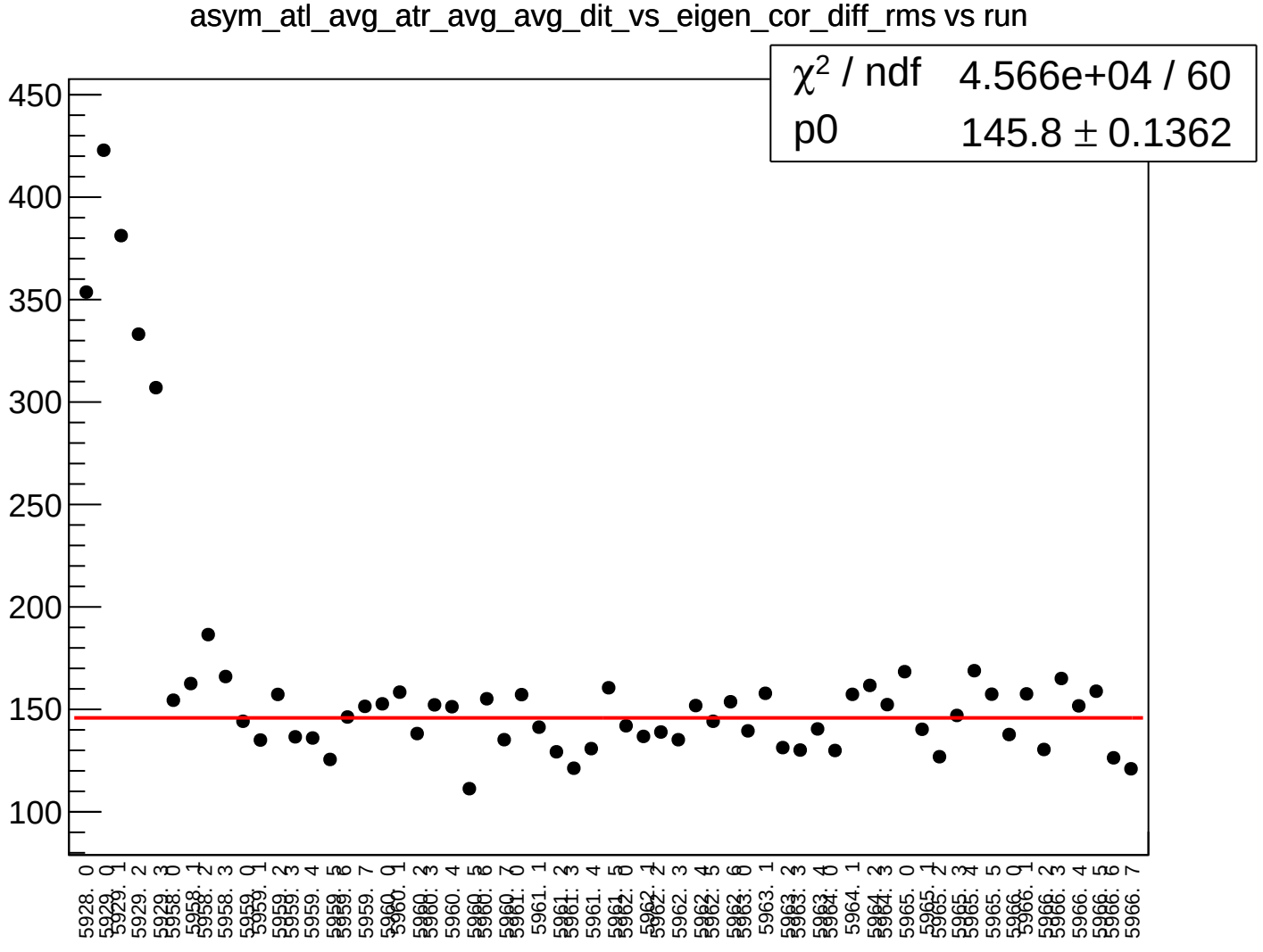

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.287e+05 / 60
p0 2.943e−10 ± 4.321e−13
1
0.8
0.6
0.4
0.2
0

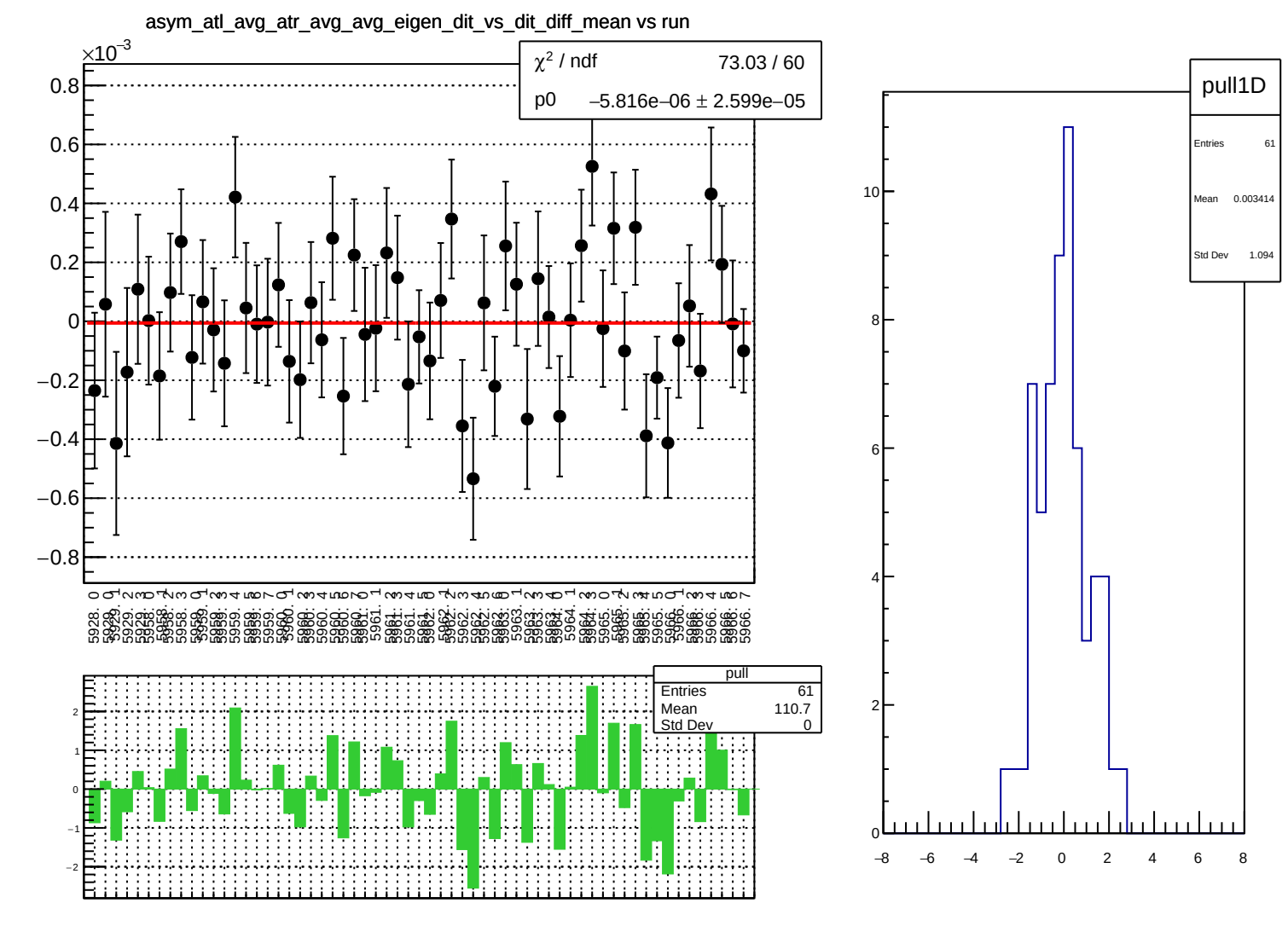

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.53 / 60
p0 0.2352 ± 0.1926
pull
Entries 61
Mean −1175
Std Dev 0

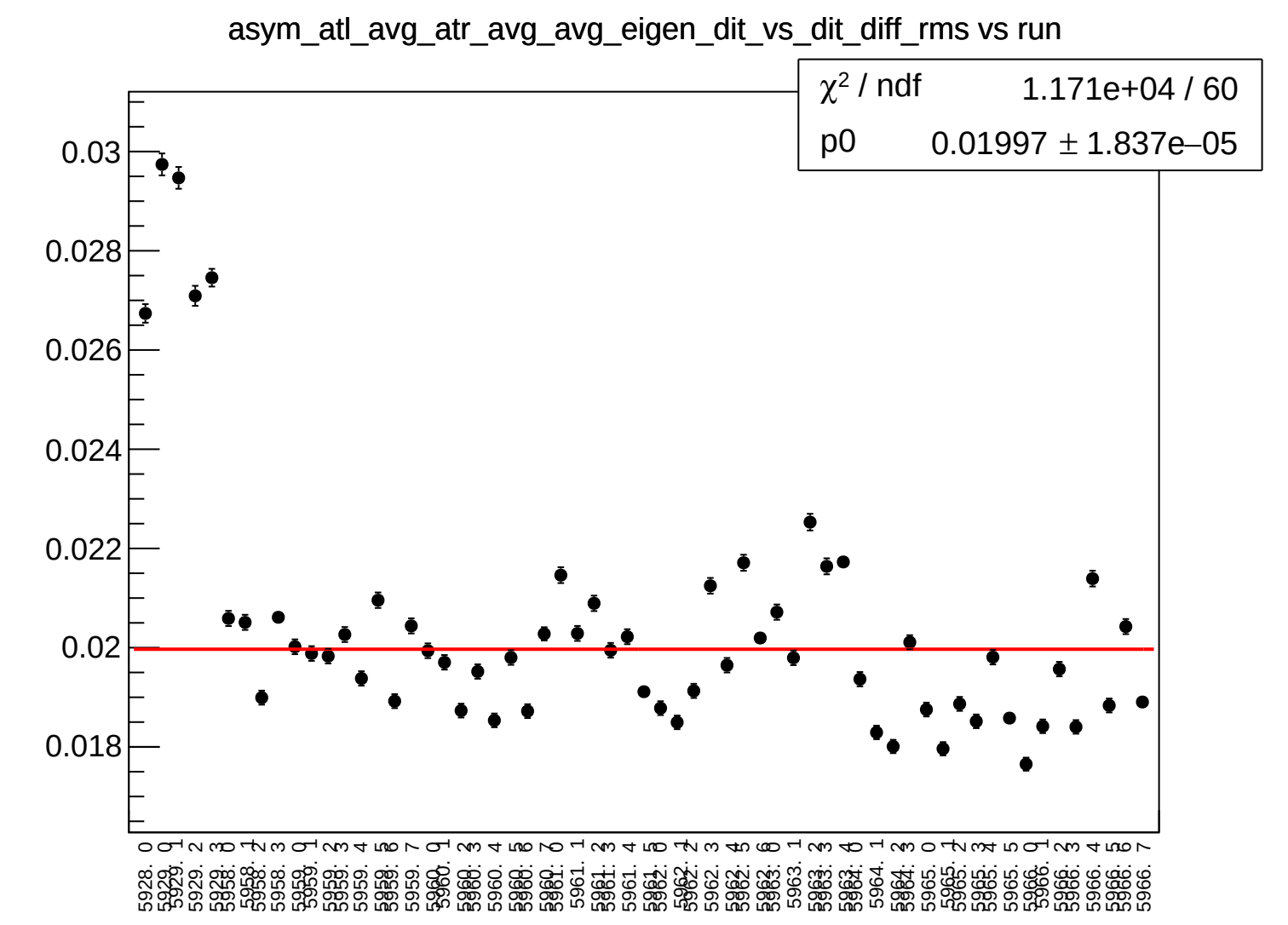

pull1D
Entries 61
Mean 0.001714
Std Dev 1.135

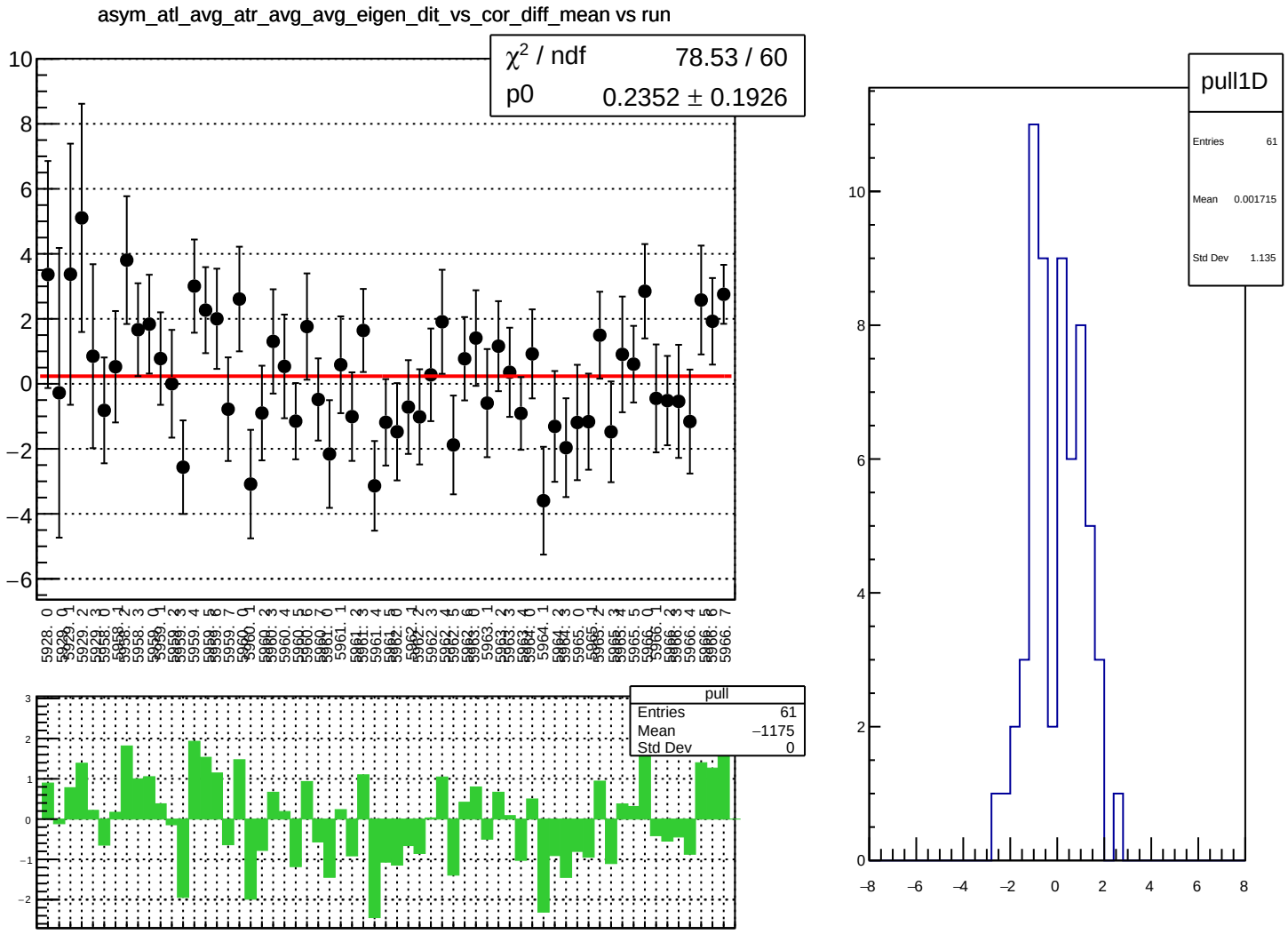

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.566e+04 / 60
p0 145.8 ± 0.1362
450
400
350
300
250
200
150
100

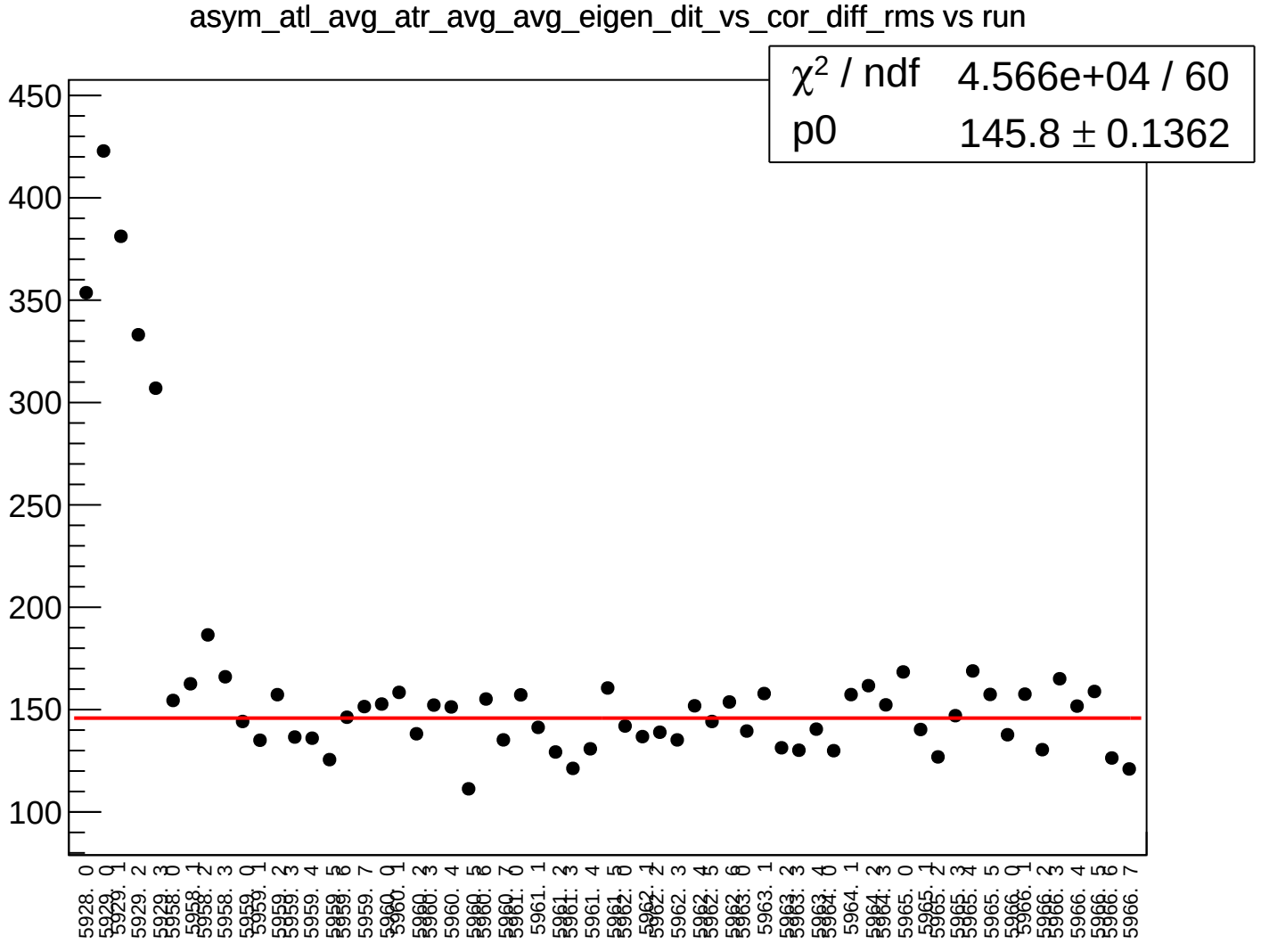

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.53 / 60
p0 0.2352 ± 0.1926
pull
Entries 61
Mean −1175
Std Dev 0
pull1D
Entries 61
Mean 0.001714
Std Dev 1.135

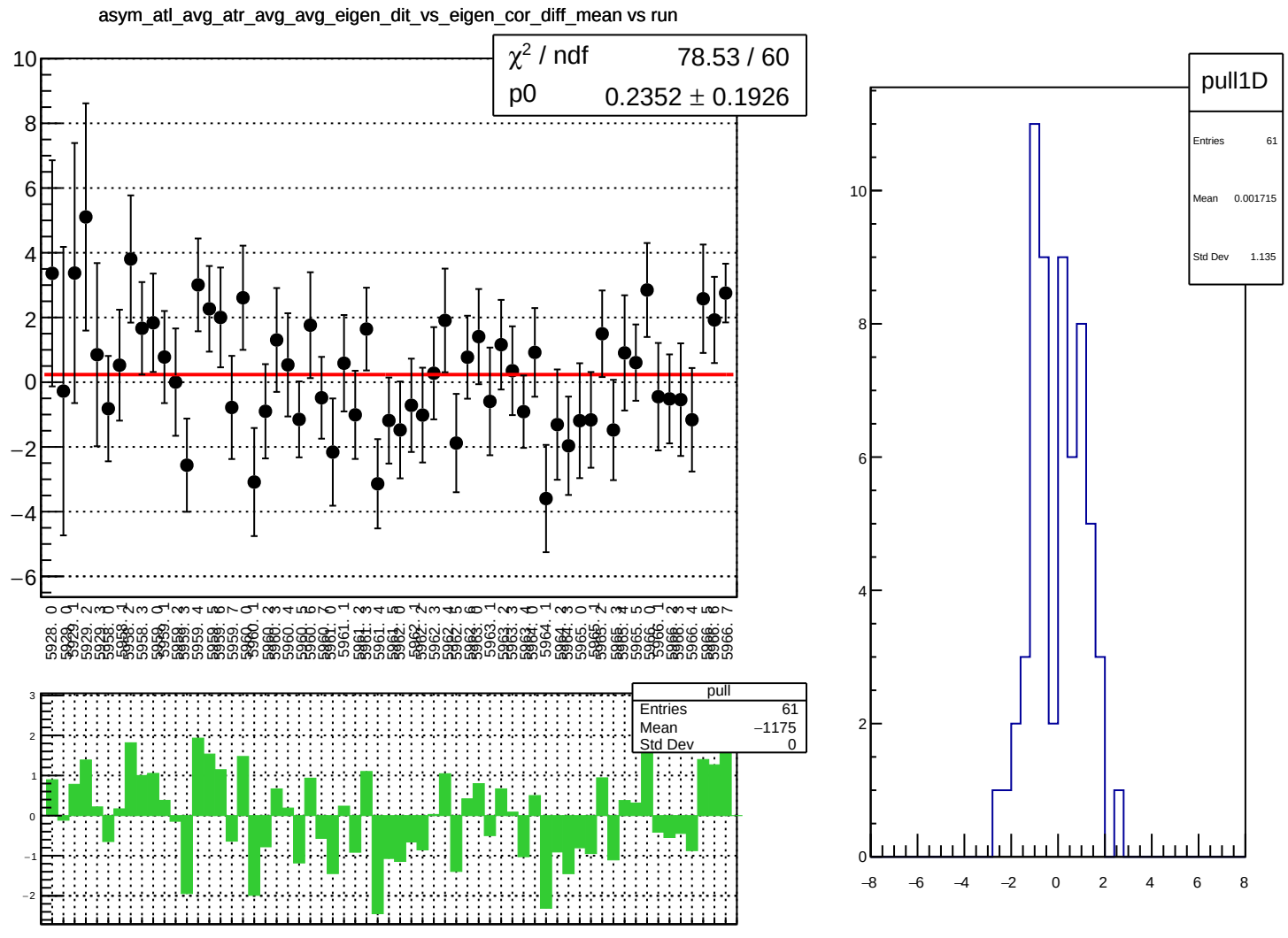

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.566e+04 / 60
p0 145.8 ± 0.1362
450
400
350
300
250
200
150
100

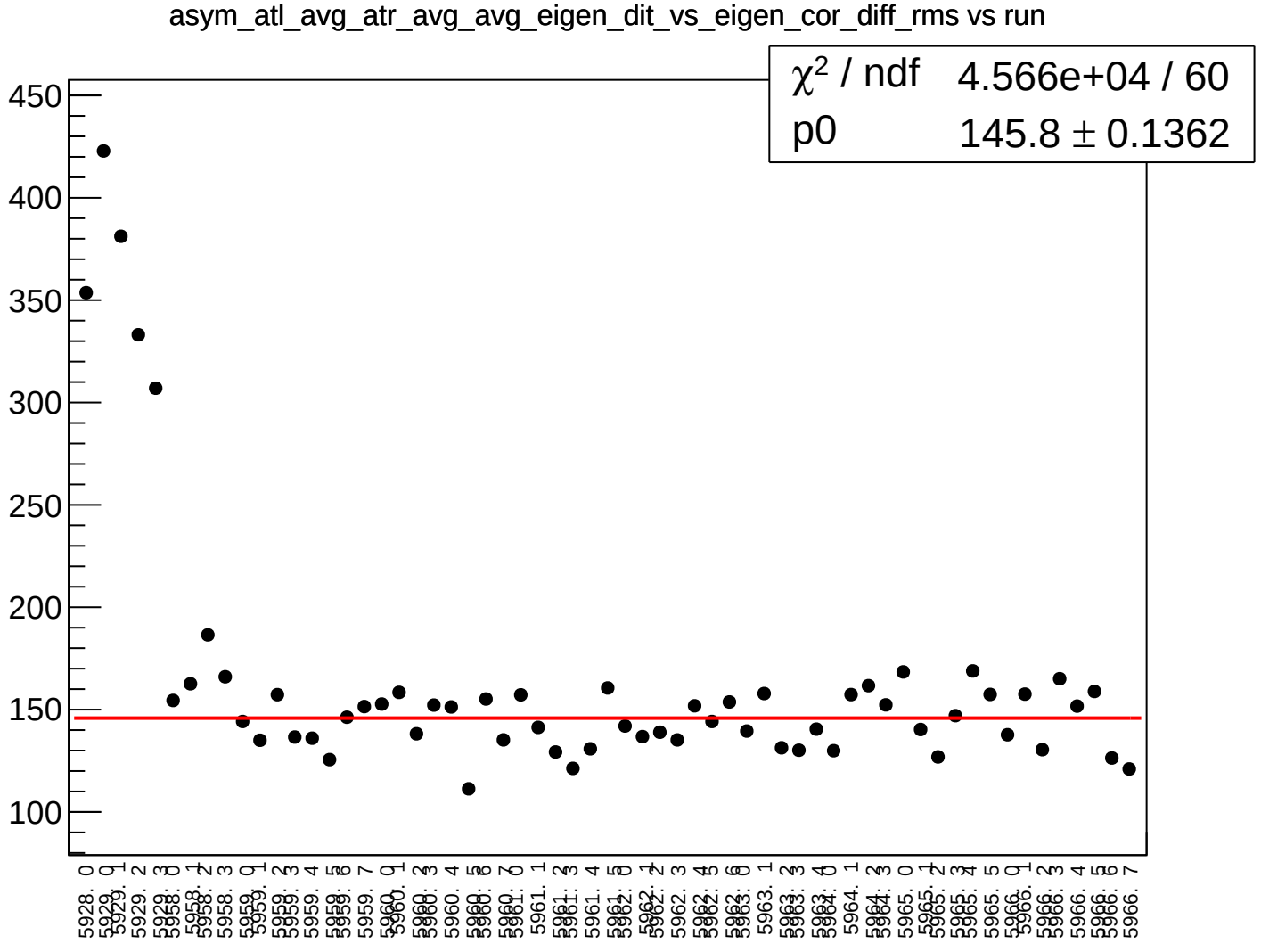

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 73.03 / 60
p0 −5.816e−06 ± 2.599e−05
pull
Entries 61
Mean 110.7
Std Dev 0
pull1D
Entries 61
Mean 0.003414
Std Dev 1.094

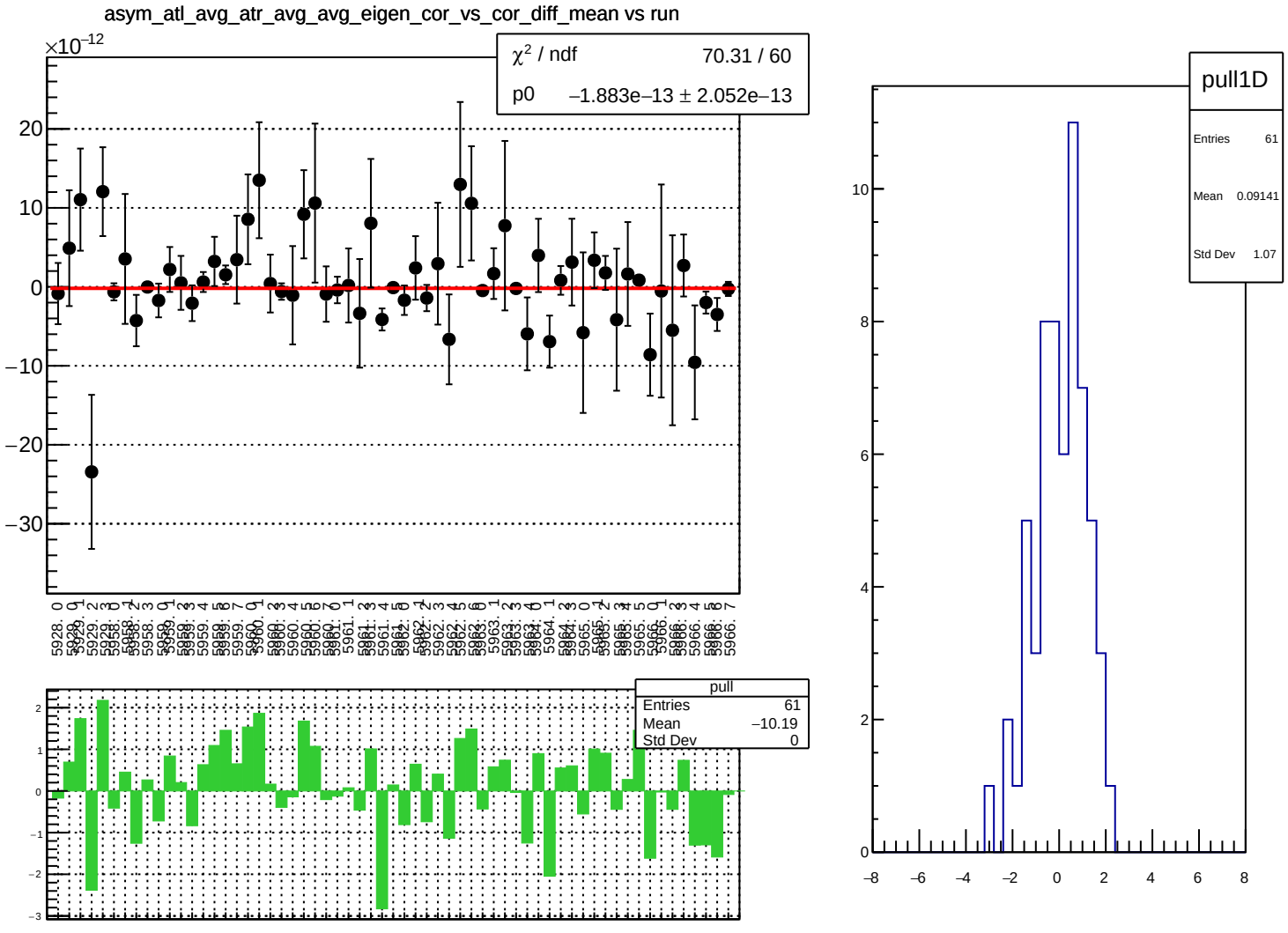

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.171e+04 / 60
p0 0.01997 ± 1.837e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018

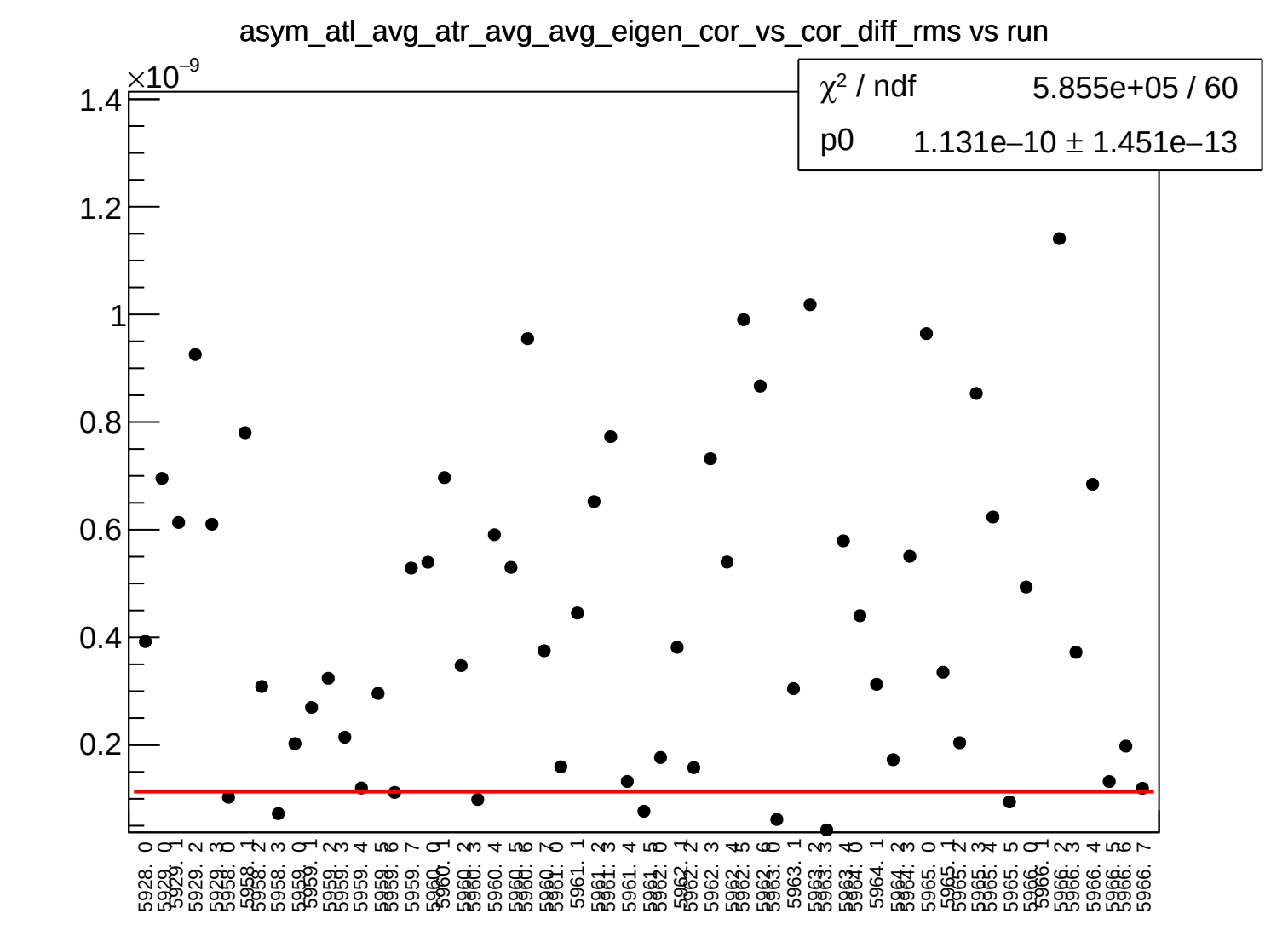

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.53 / 60
p0 0.2352 ± 0.1926
pull
Entries 61
Mean −1175
Std Dev 0
pull1D
Entries 61
Mean 0.001715
Std Dev 1.135

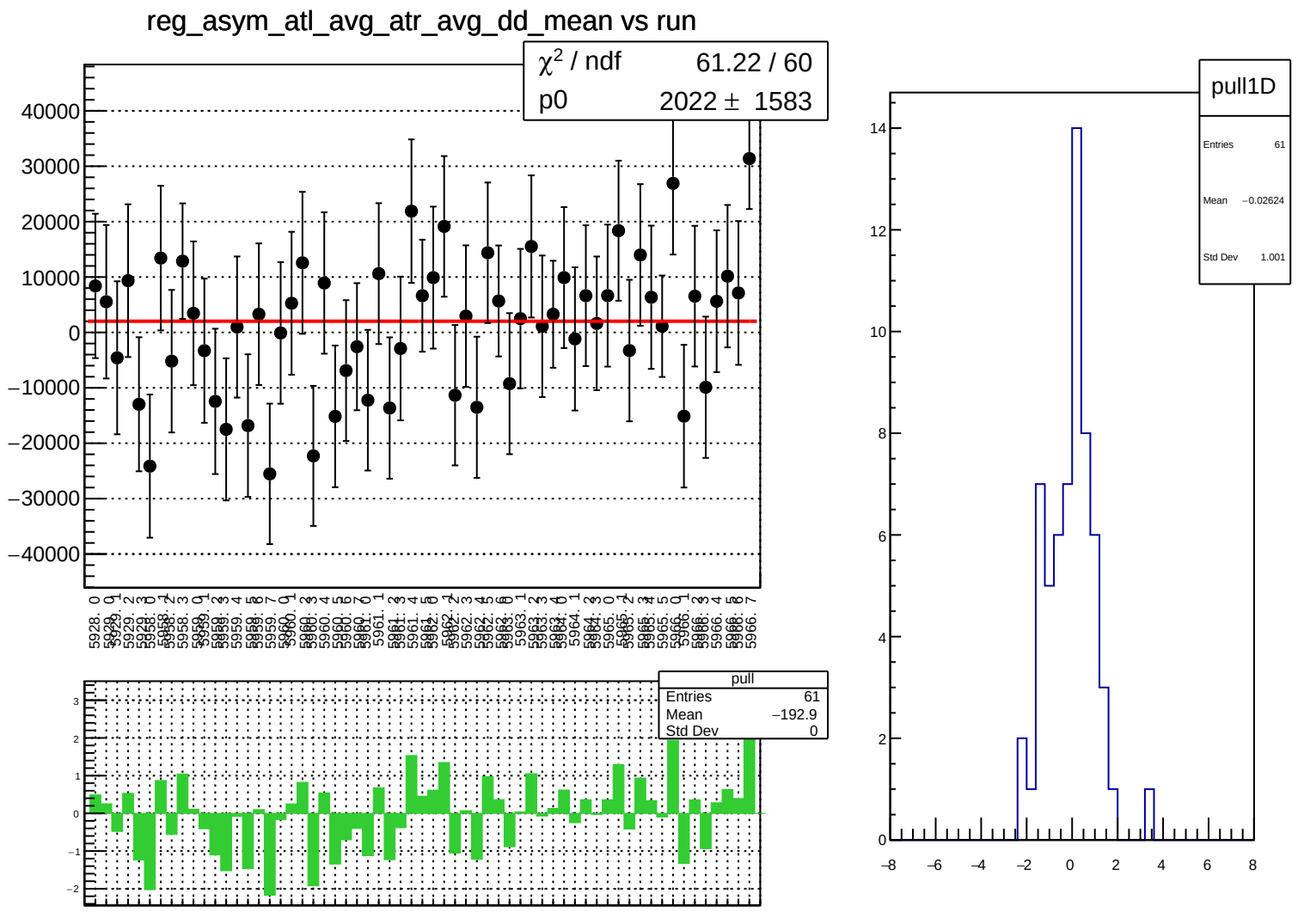

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.566e+04 / 60
p0 145.8 ± 0.1362
450
400
350
300
250
200
150
100

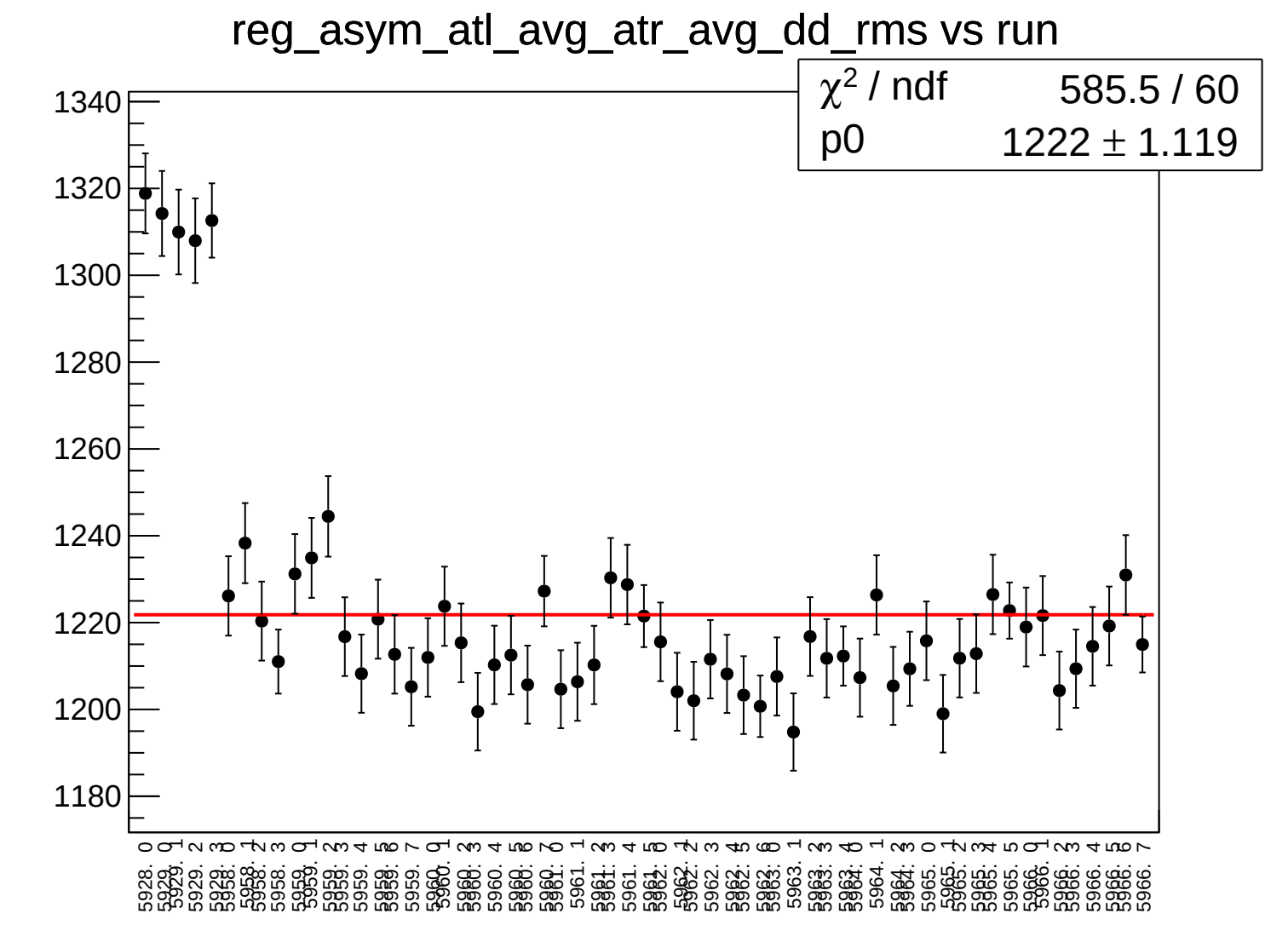

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.53 / 60
p0 0.2352 ± 0.1926
pull
Entries 61
Mean −1175
Std Dev 0
pull1D
Entries 61
Mean 0.001715
Std Dev 1.135

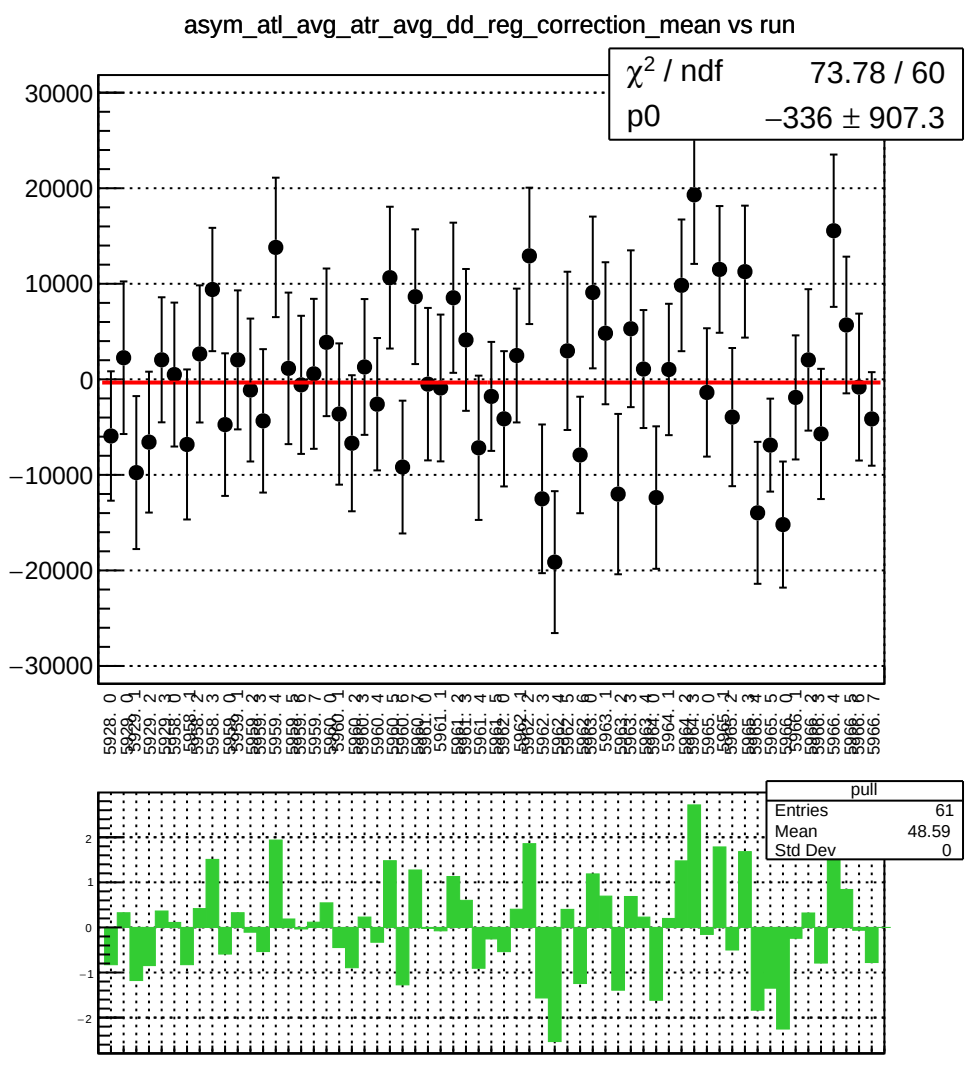

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.566e+04 / 60
p0 145.8 ± 0.1362
450
400
350
300
250
200
150
100

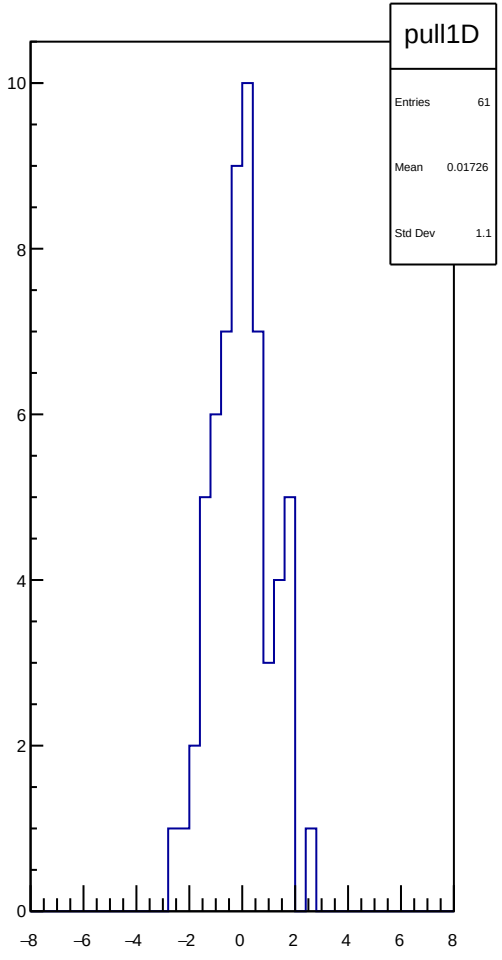

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10^-12
χ² / ndf 70.31 / 60
p0 −1.883e−13 ± 2.052e−13
pull
Entries 61
Mean −10.19
Std Dev 0
pull1D
Entries 61
Mean 0.09141
Std Dev 1.07

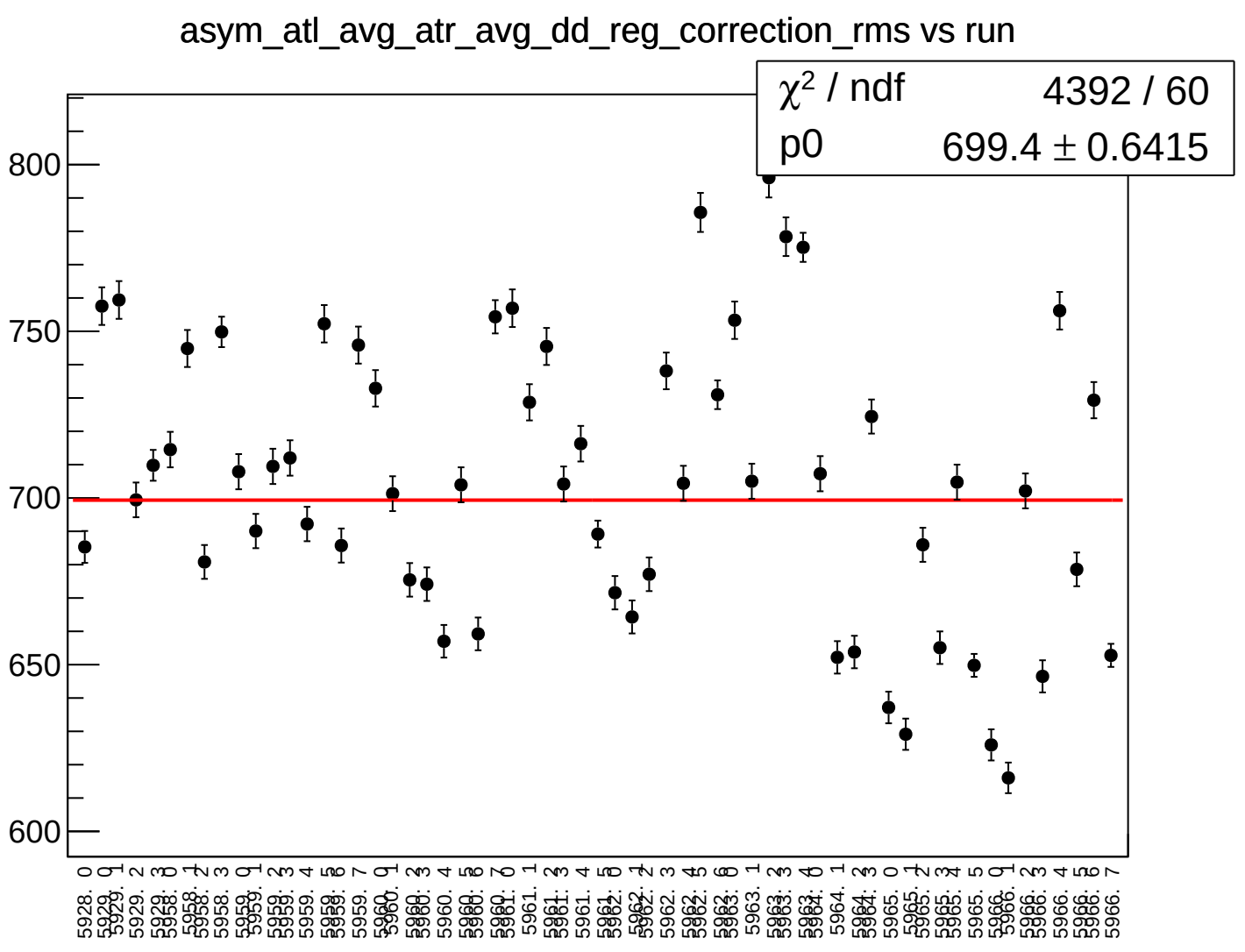

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.855e+05 / 60
p0 1.131e−10 ± 1.451e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

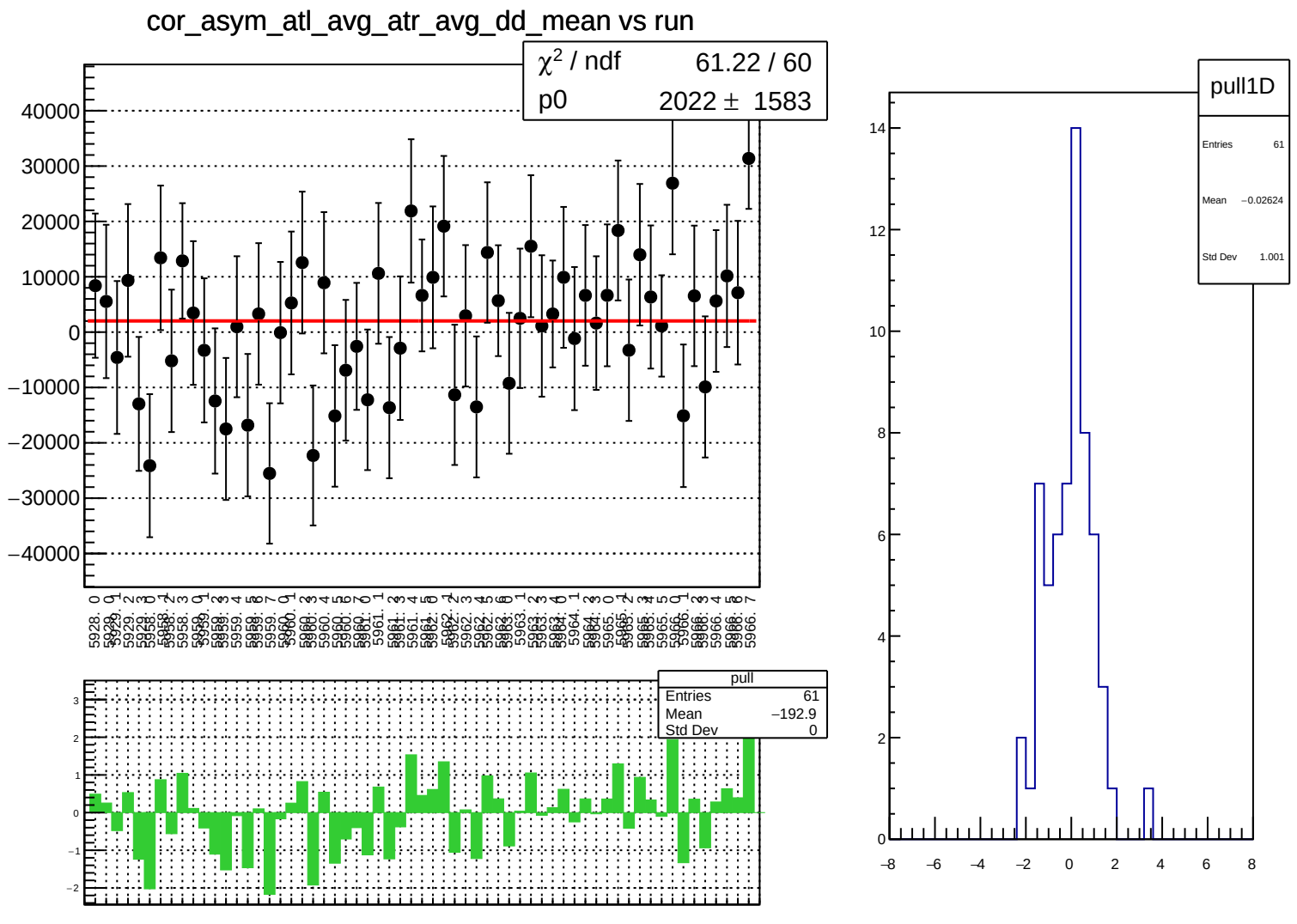

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0
pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

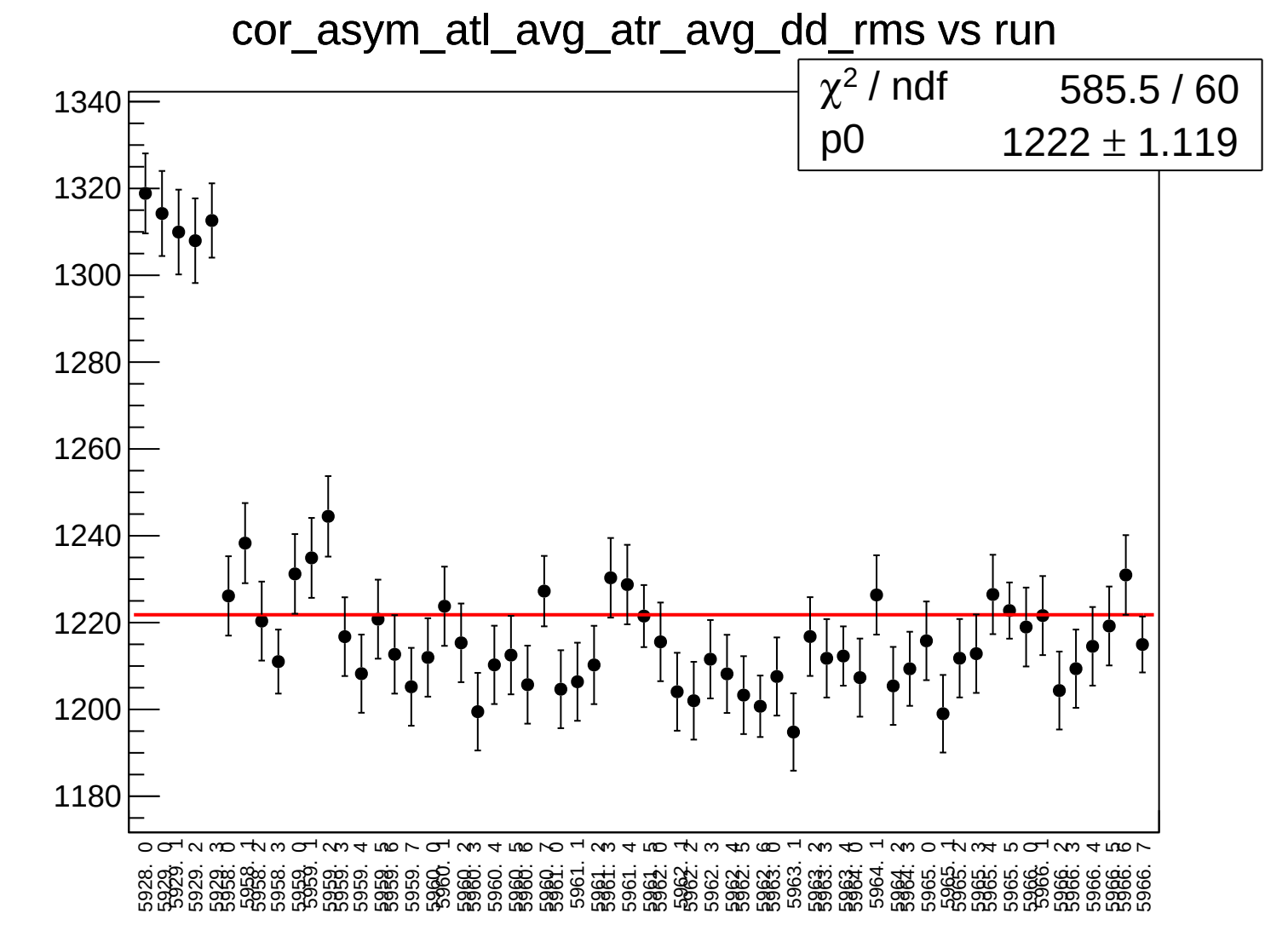

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

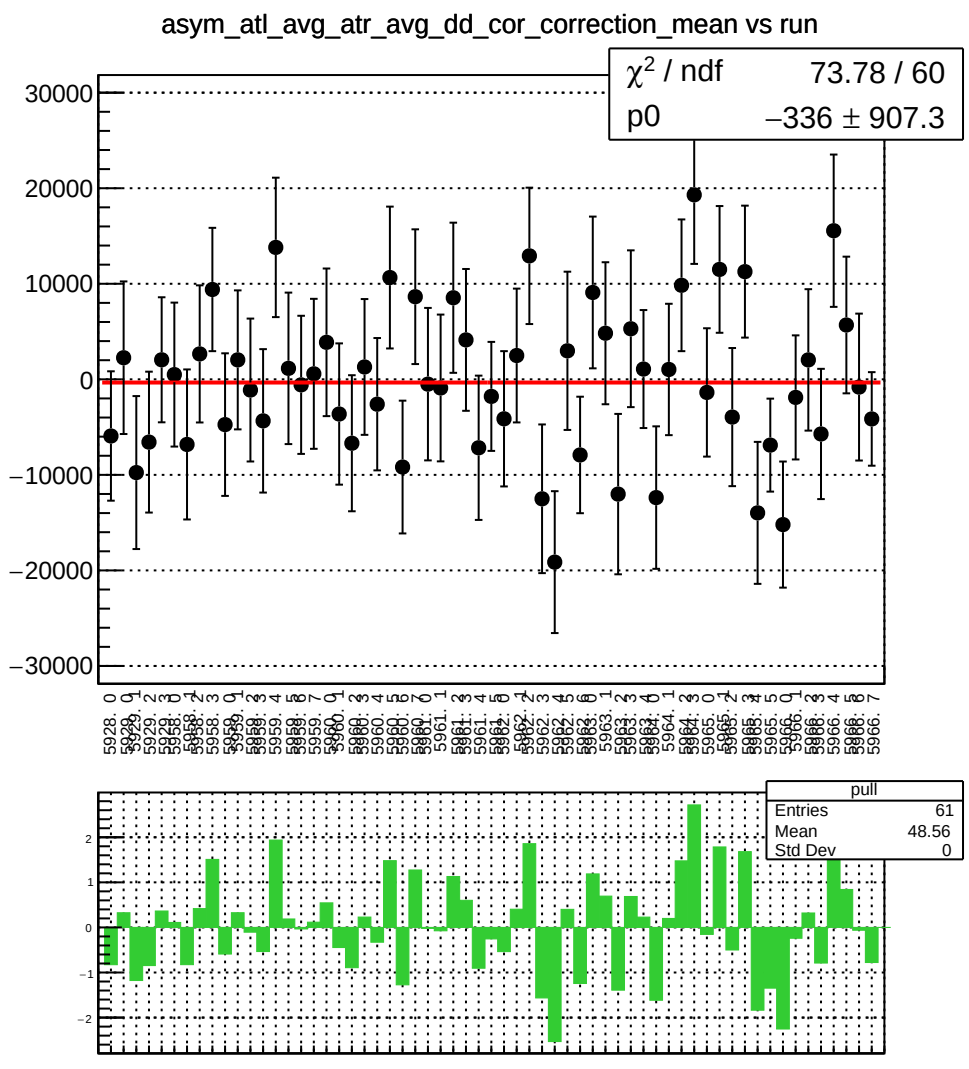

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
pull
Entries 61
Mean 48.59
Std Dev 0

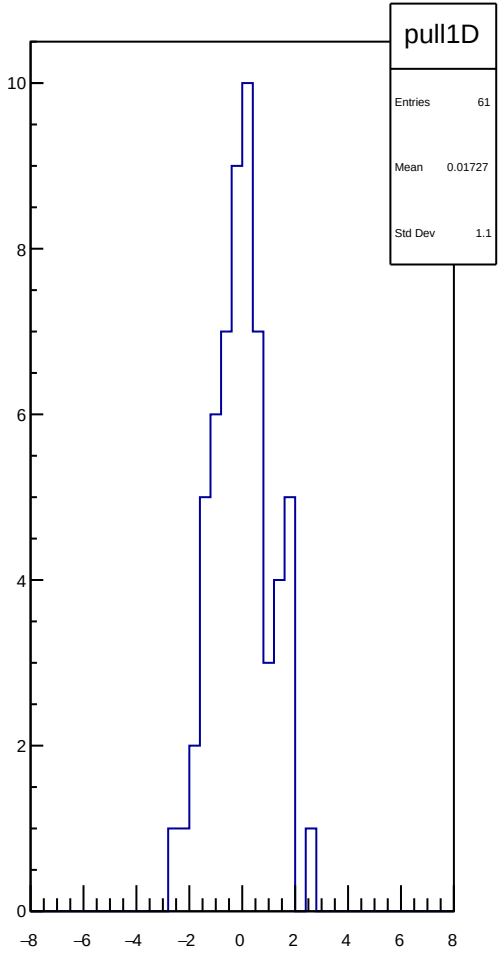

pull1D
Entries 61
Mean 0.01726
Std Dev 1.1

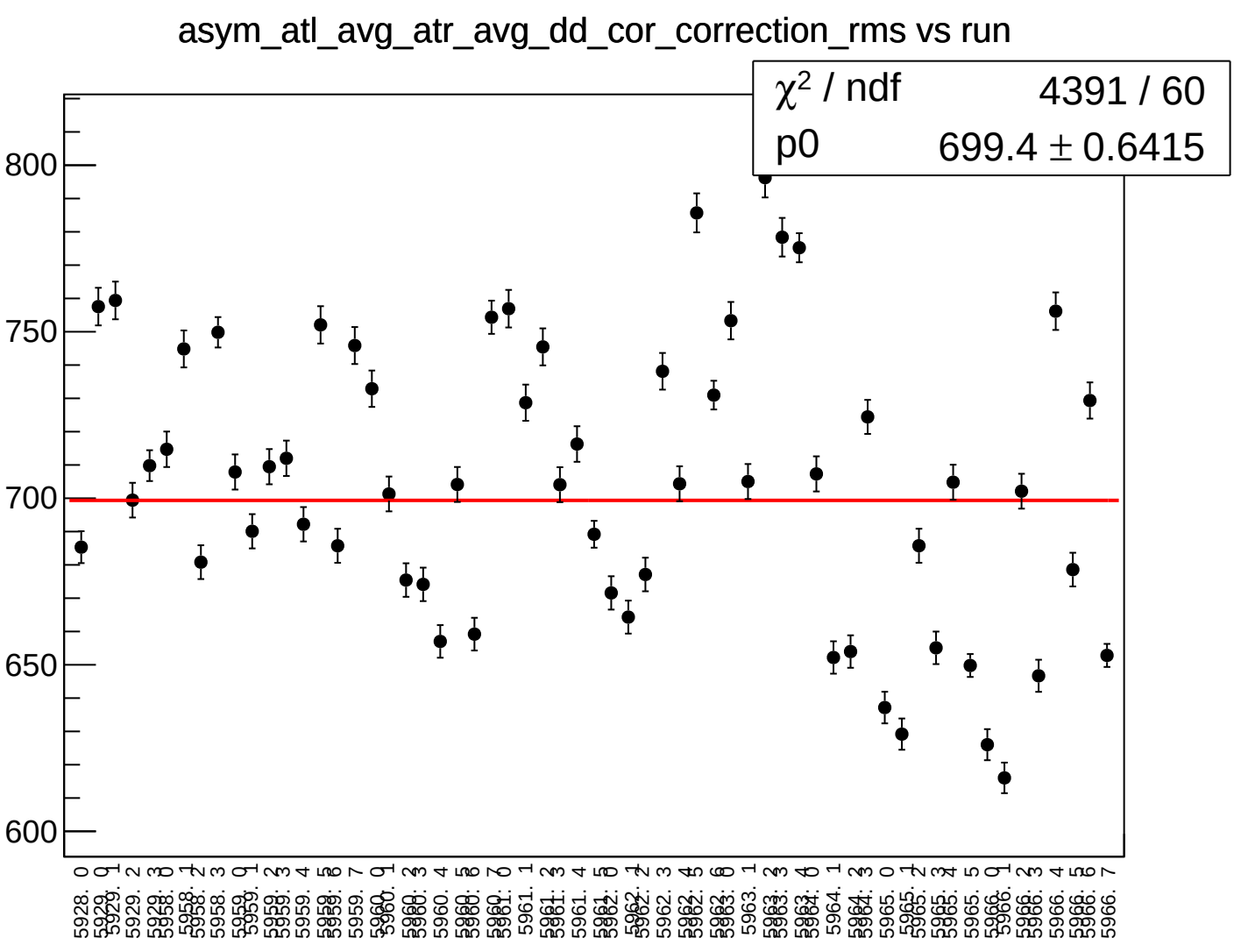

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 4392 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

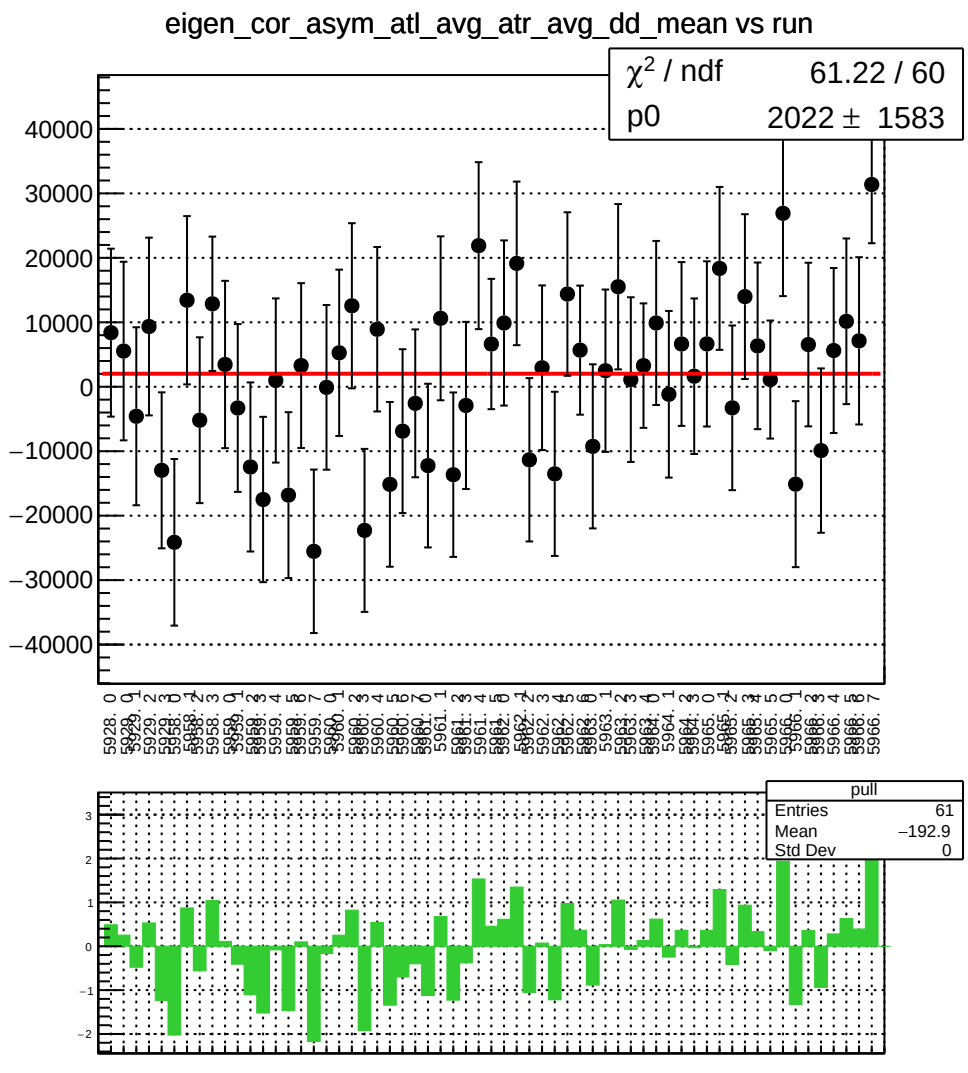

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0
pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

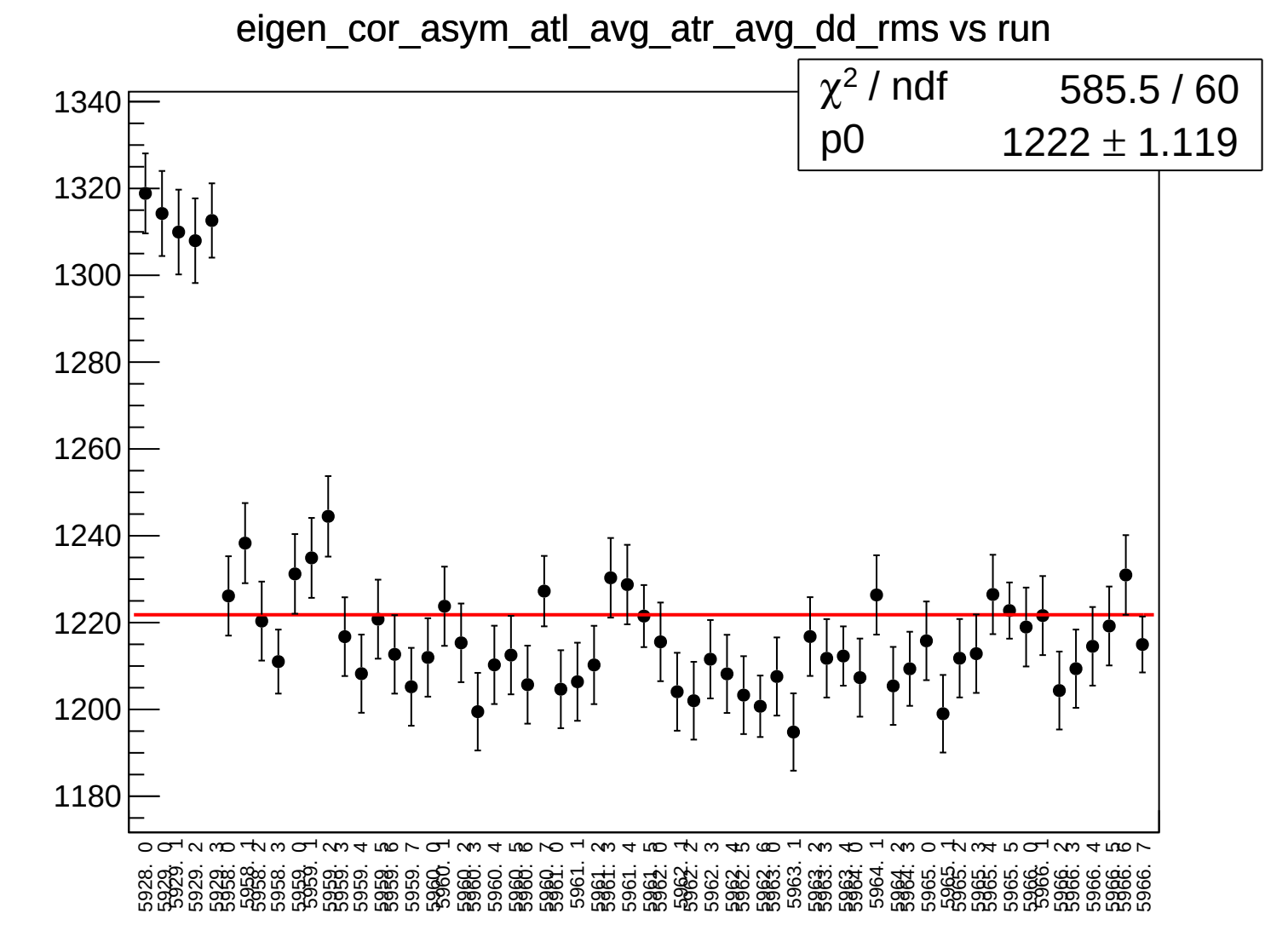

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

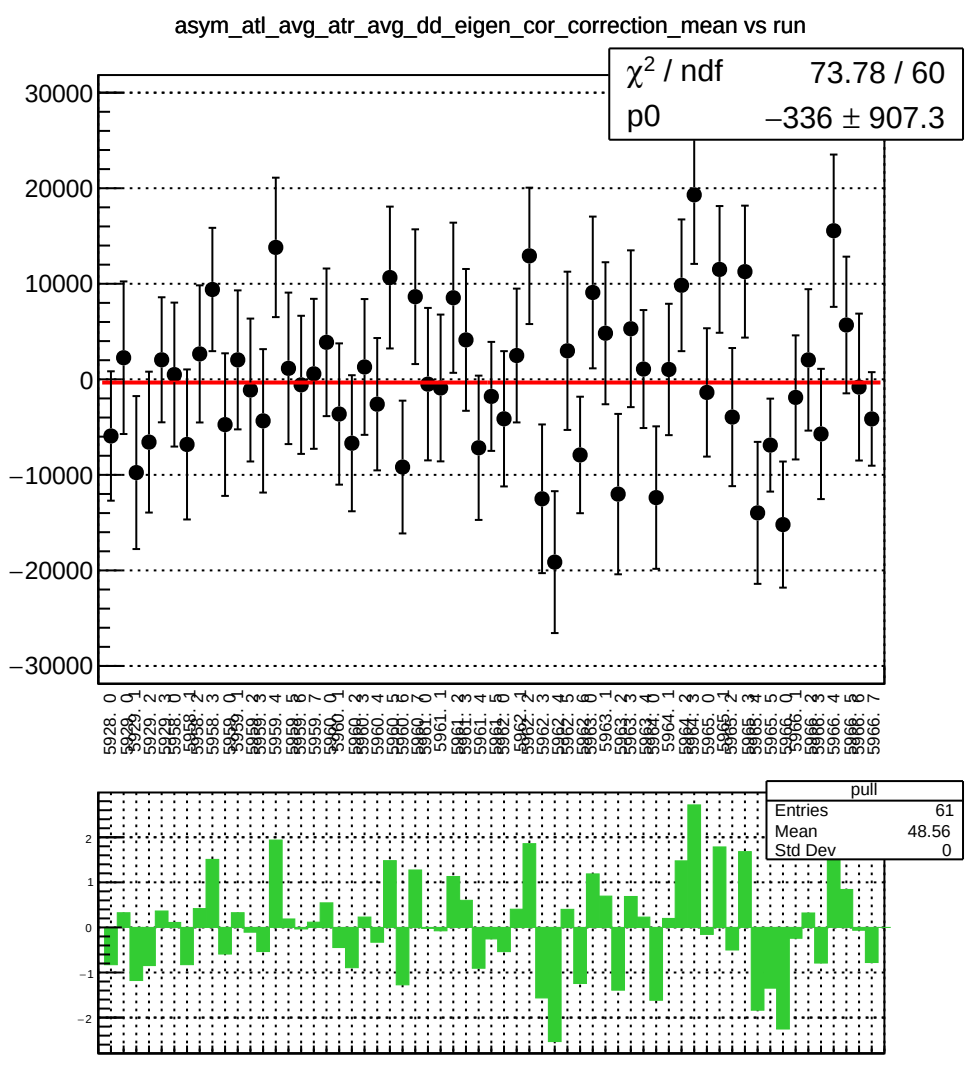

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
pull
Entries 61
Mean 48.56
Std Dev 0

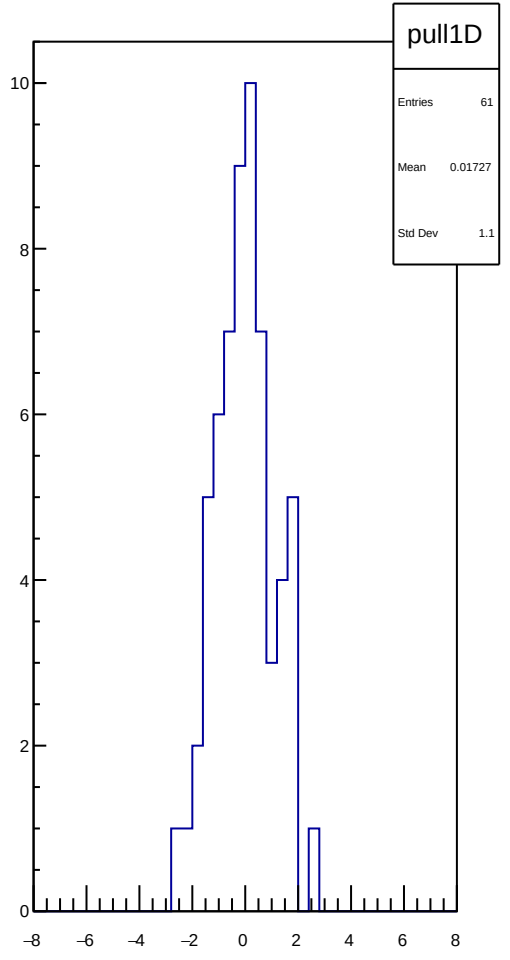

pull1D
Entries 61
Mean 0.01727
Std Dev 1.1

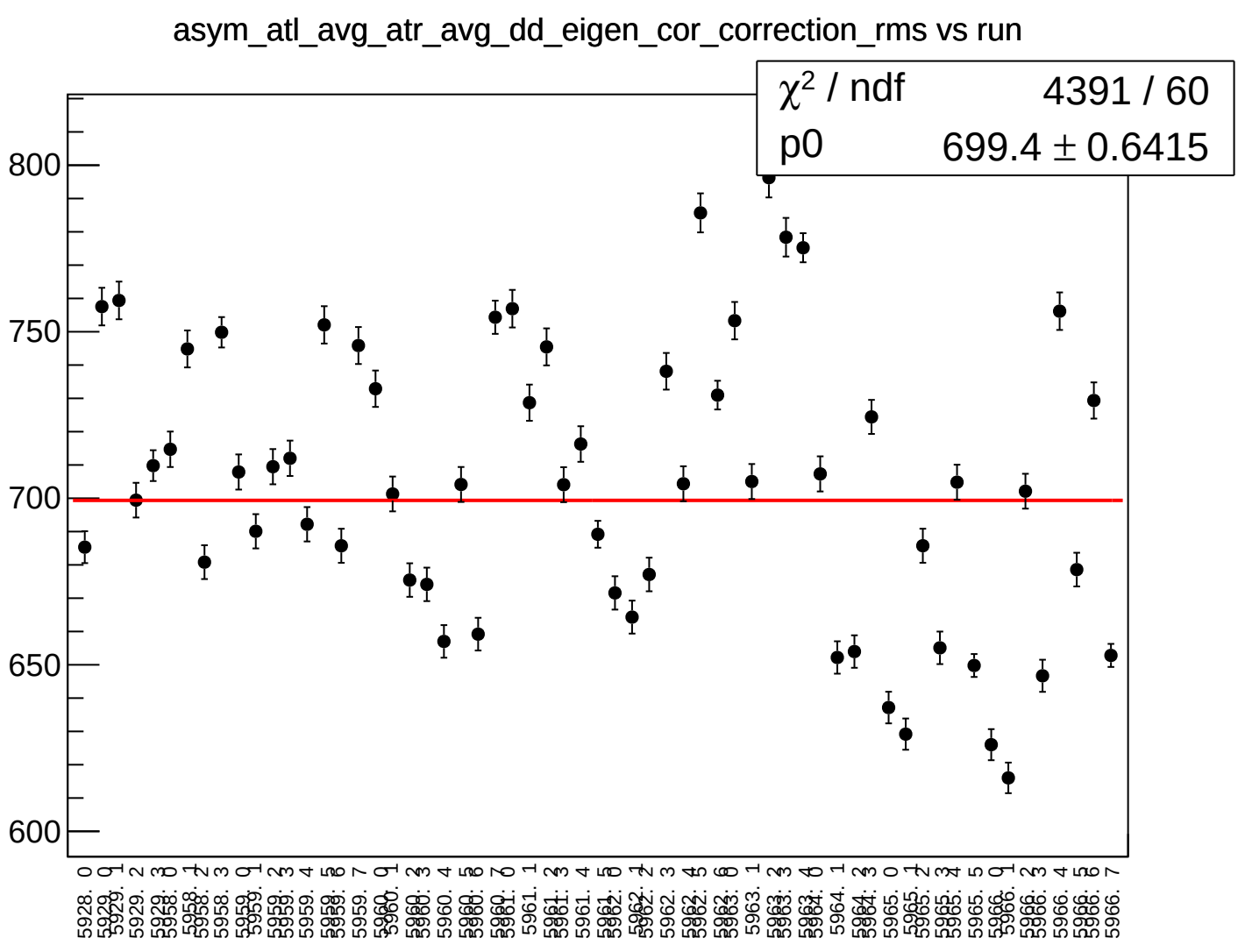

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 4391 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

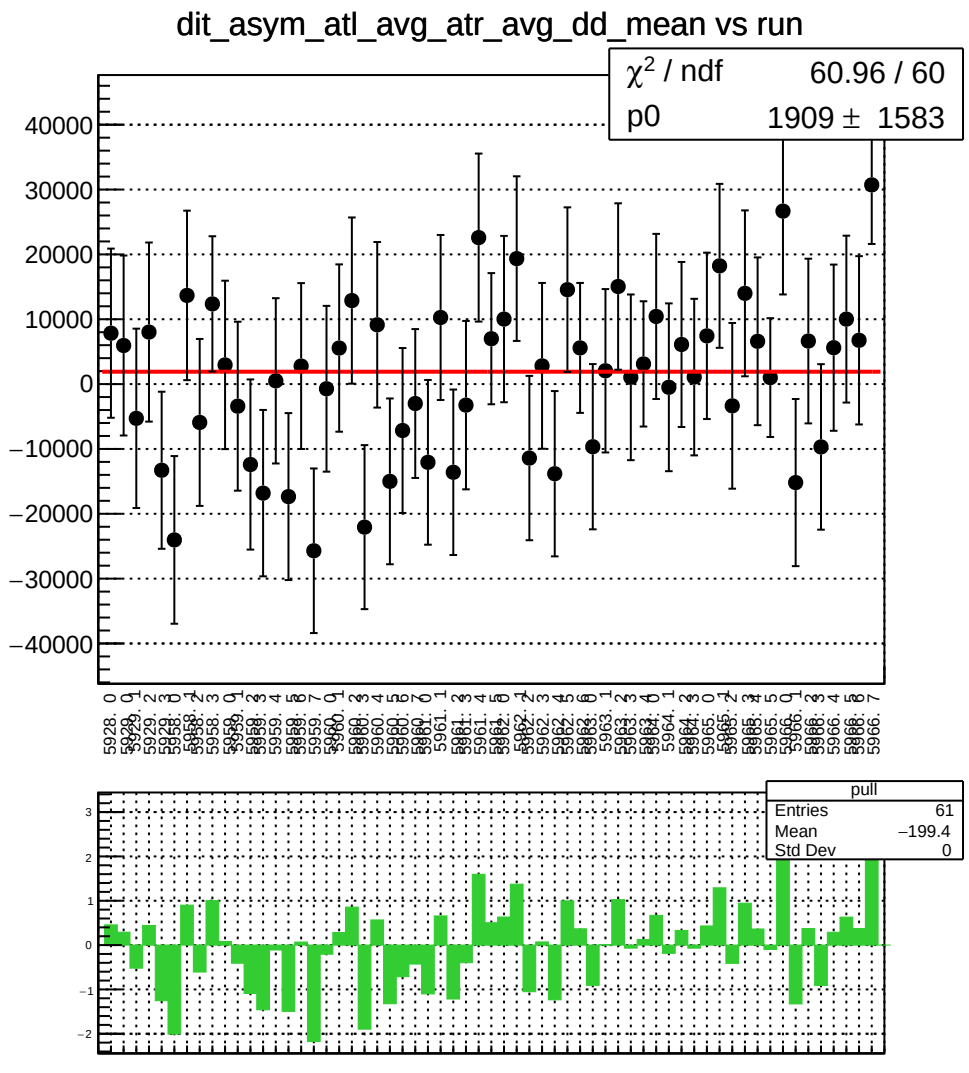

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0
pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

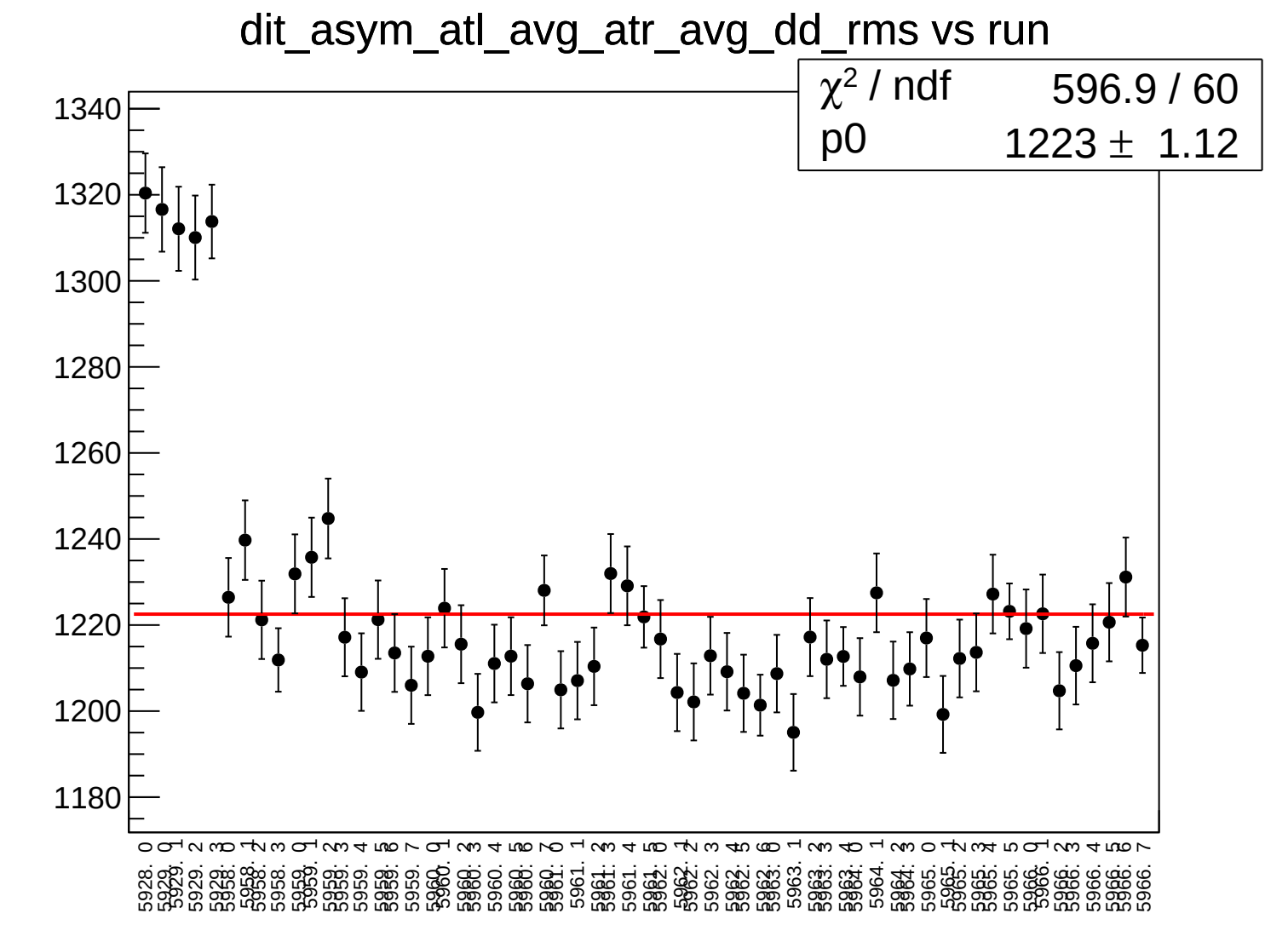

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

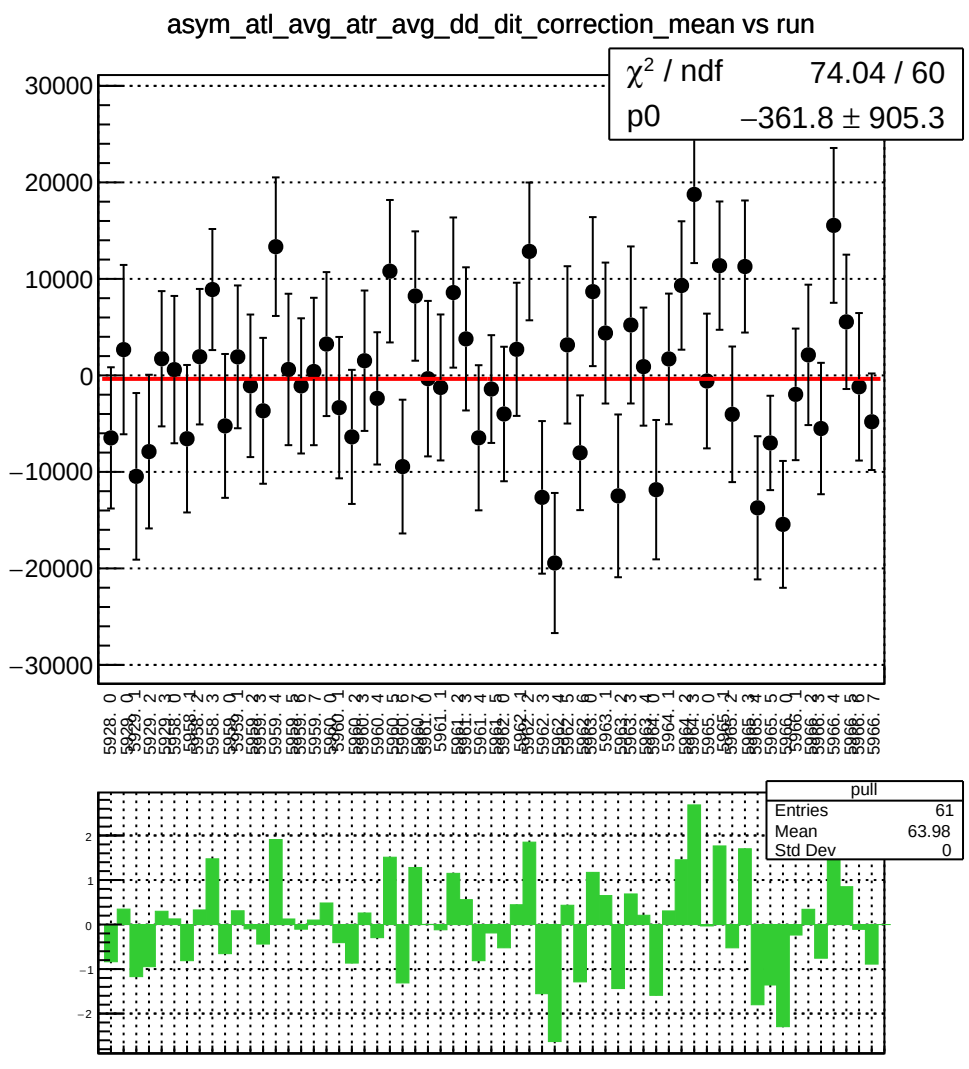

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 48.56
Std Dev 0
2
1
0
−1
−2

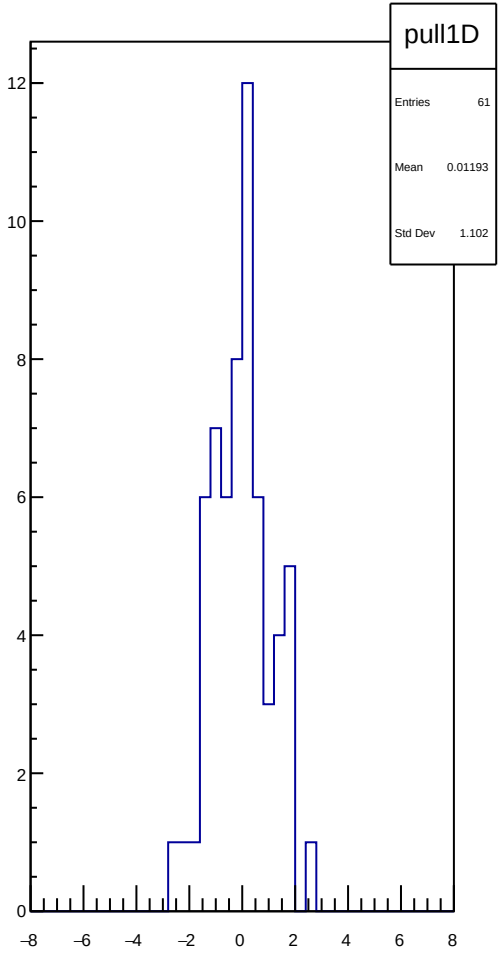

pull1D
Entries 61
Mean 0.01727
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

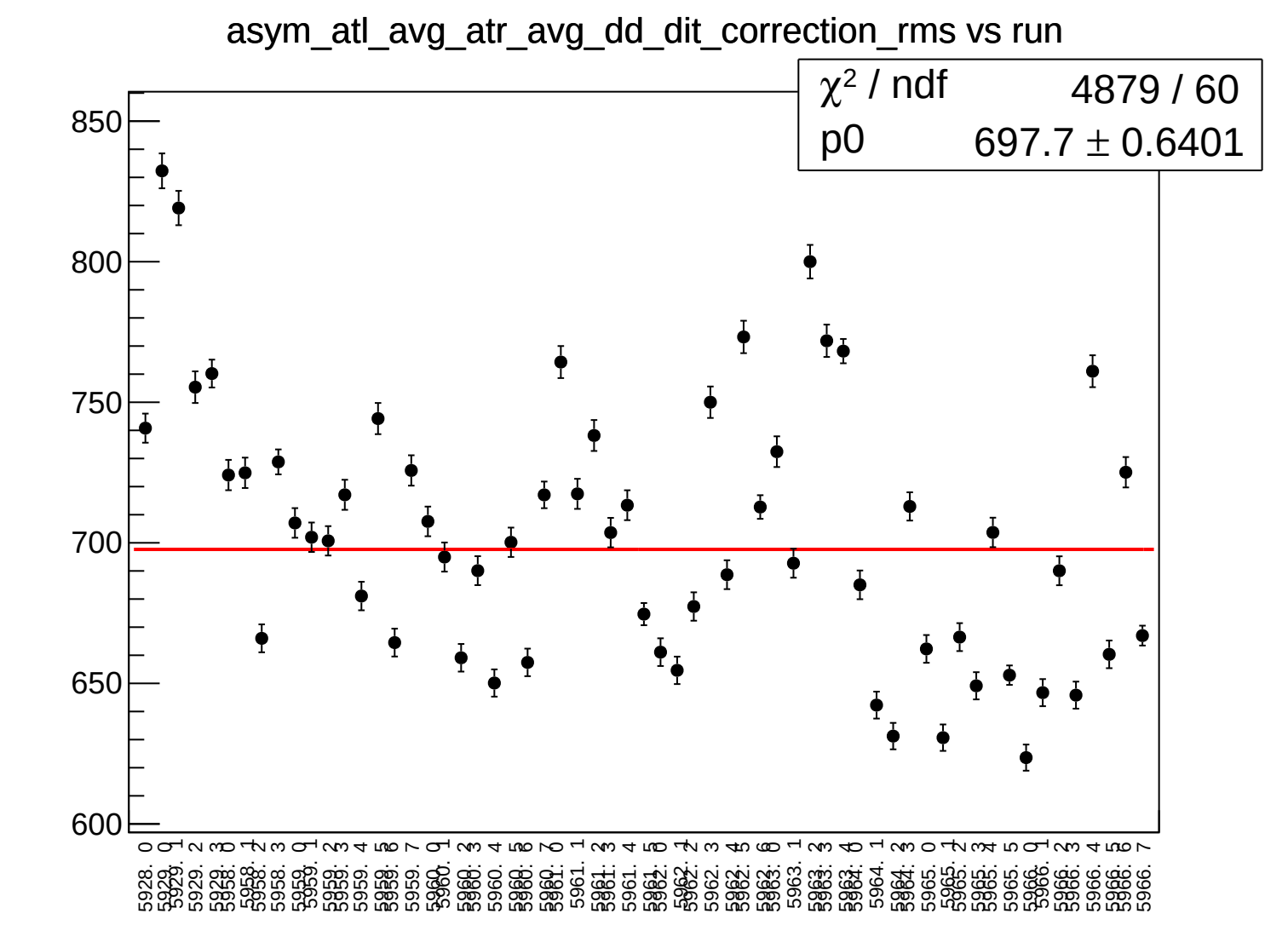

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4391 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

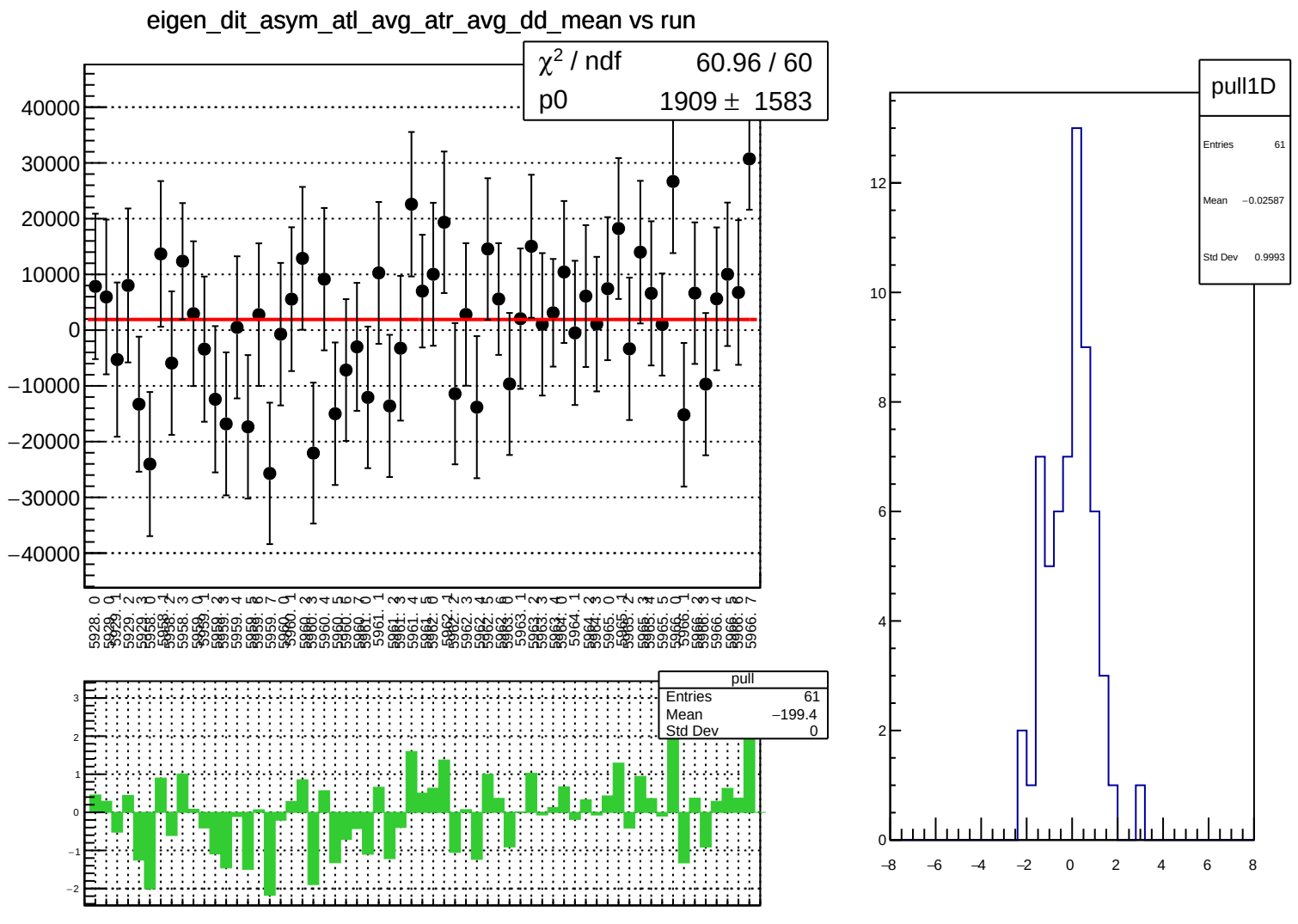

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 60.96 / 60
p0 1909 ± 1583
pull
Entries 61
Mean −199.4
Std Dev 0
pull1D
Entries 61
Mean −0.02587
Std Dev 0.9993

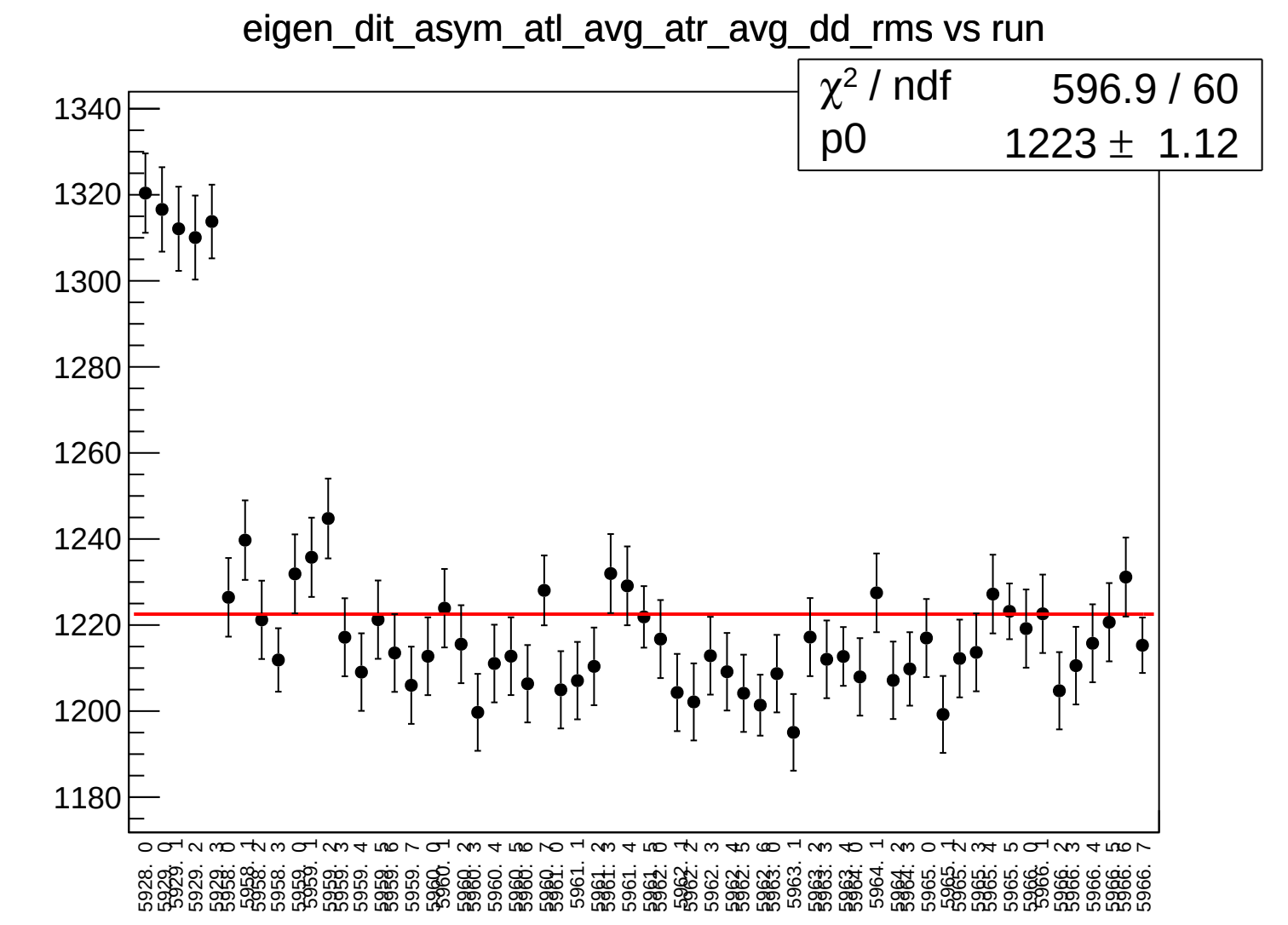

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 596.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

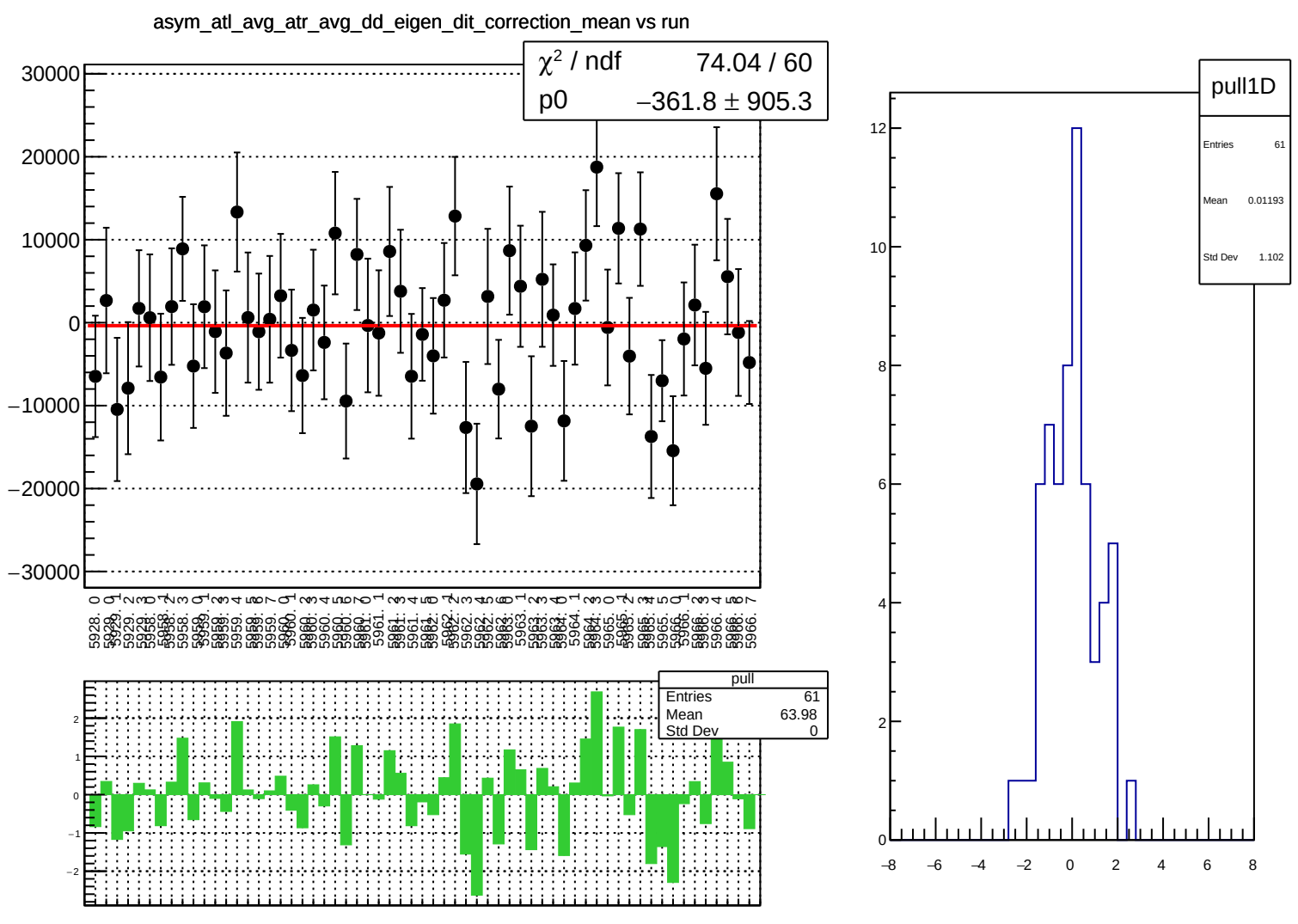

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 74.04 / 60
p0 −361.8 ± 905.3
pull
Entries 61
Mean 63.98
Std Dev 0

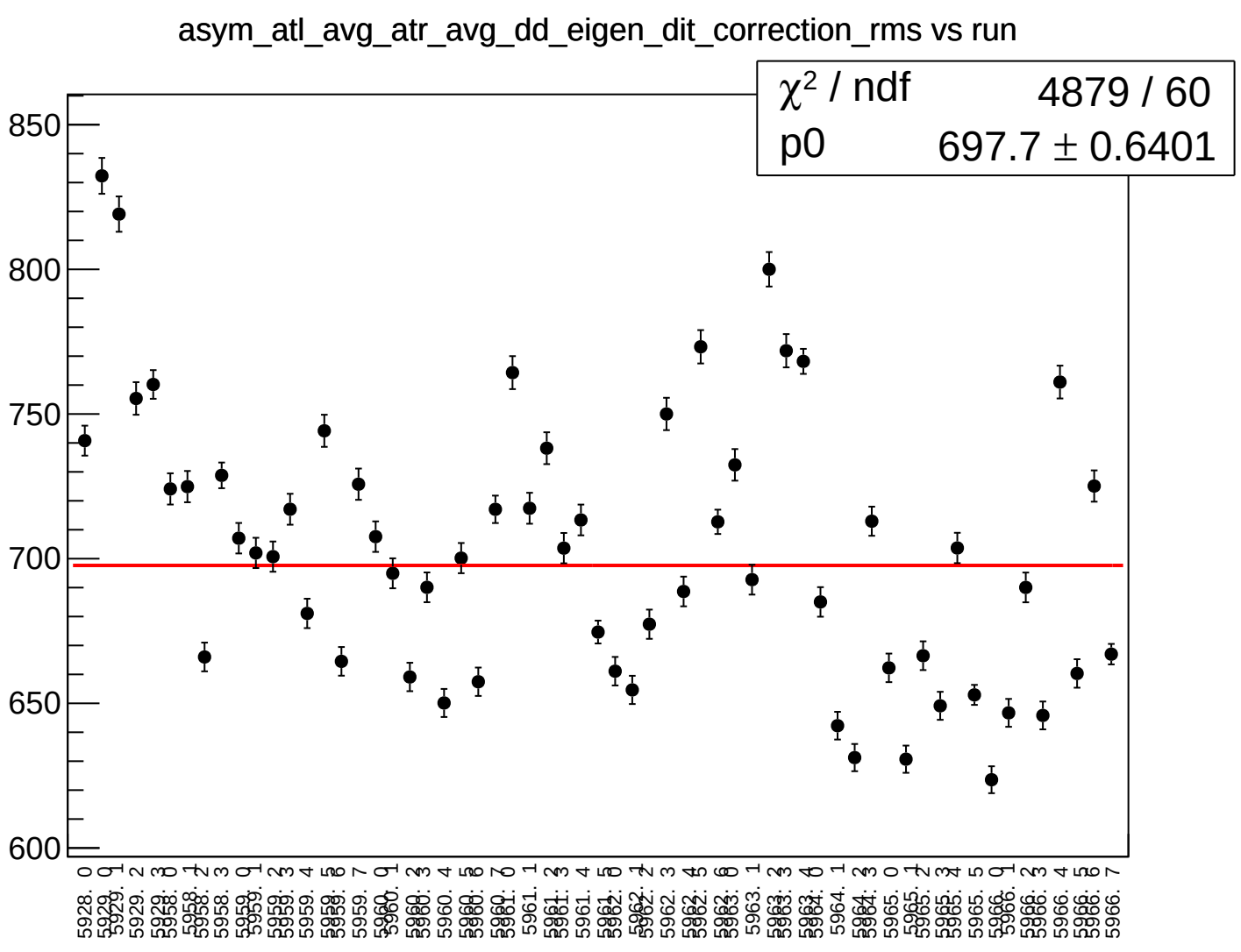

pull1D
Entries 61
Mean 0.01193
Std Dev 1.102

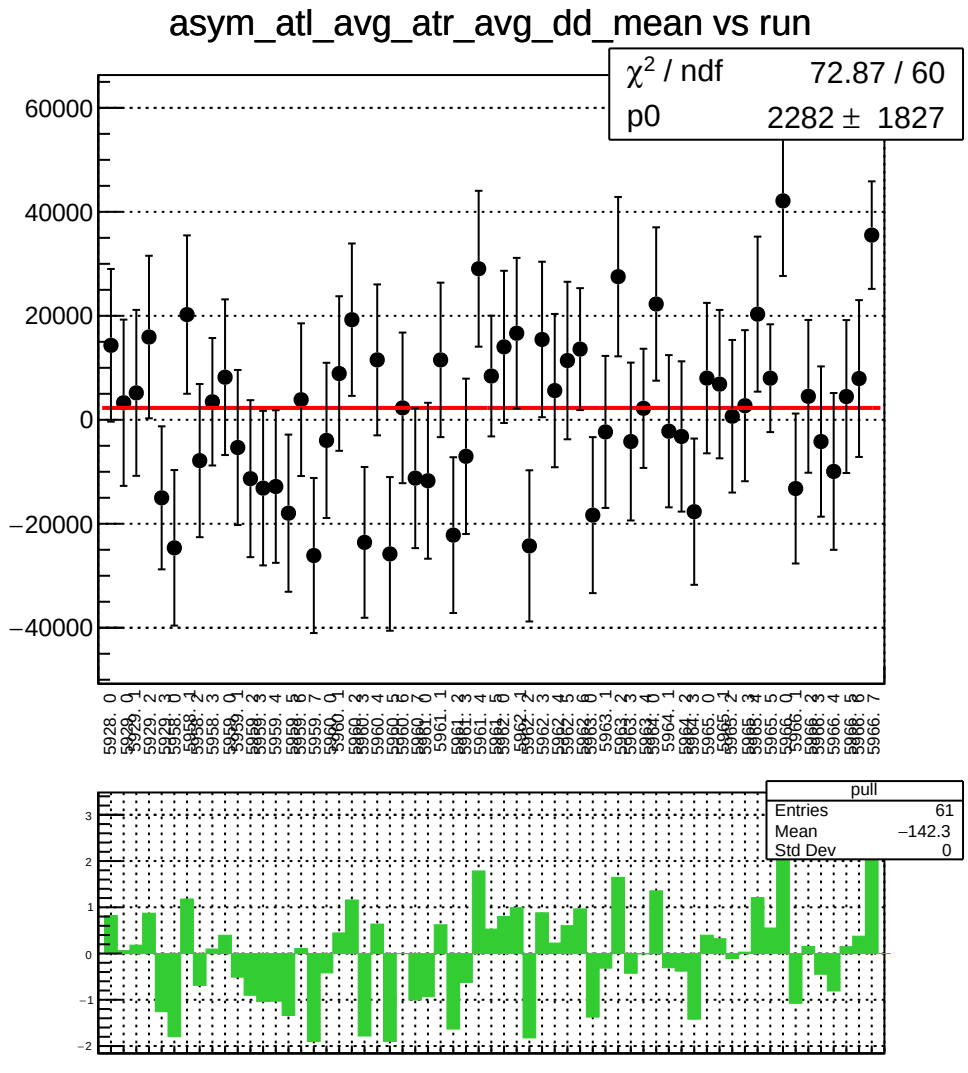

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 4879 / 60
p0 697.7 ± 0.6401
850
800
750
700
650
600

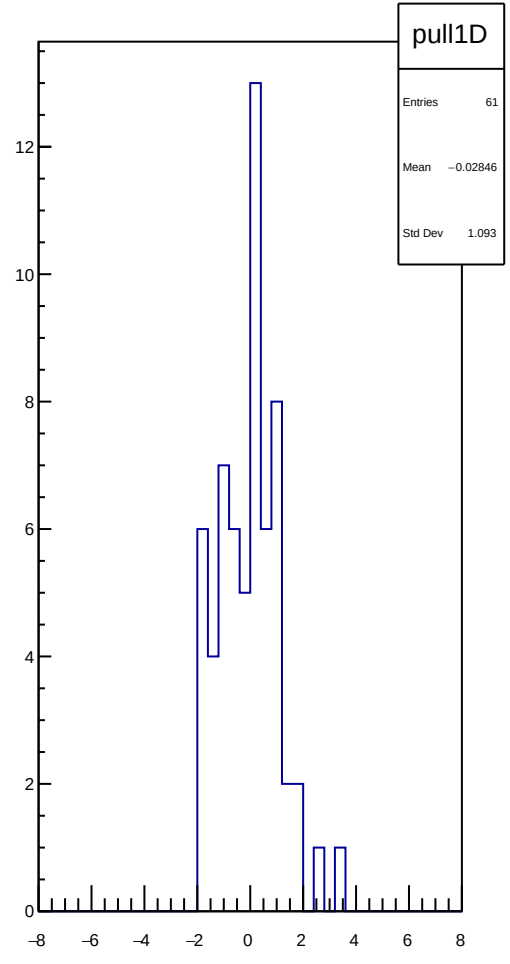

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 60.96 / 60
p0 1909 ± 1583
pull
Entries 61
Mean −199.4
Std Dev 0
pull1D
Entries 61
Mean −0.02587
Std Dev 0.9993

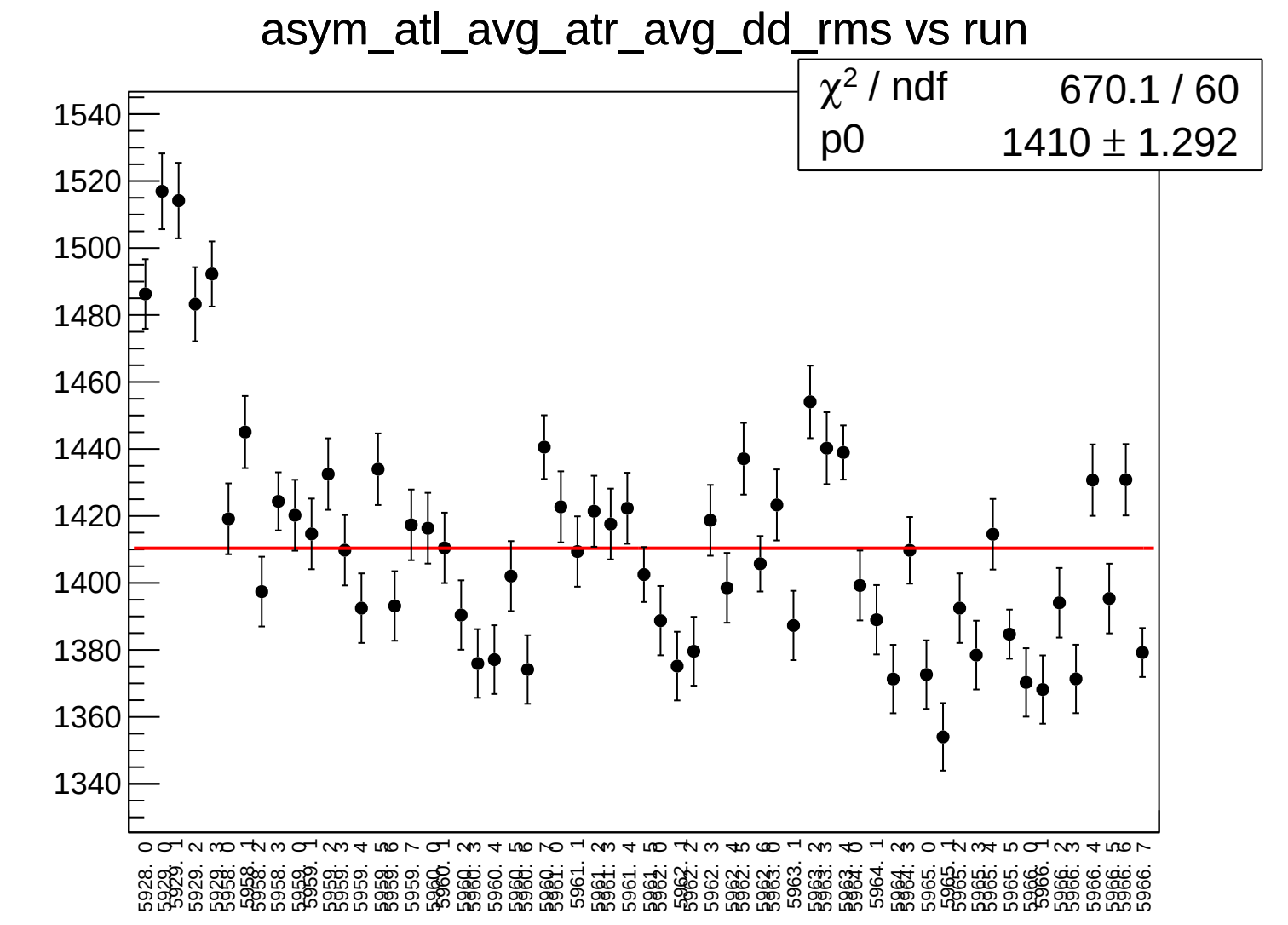

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 596.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

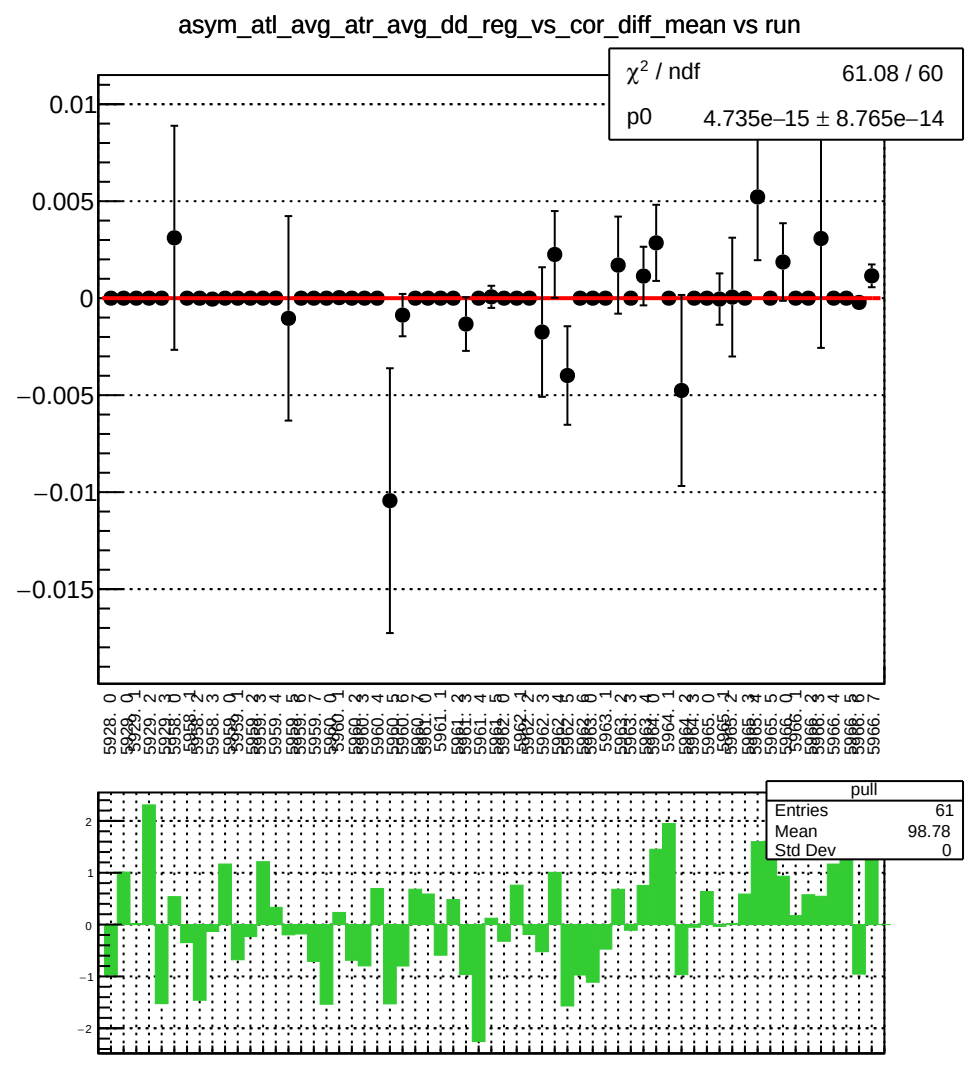

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.04 / 60
p0 −361.8 ± 905.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 63.98
Std Dev 0
pull1D
Entries 61
Mean 0.01193
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

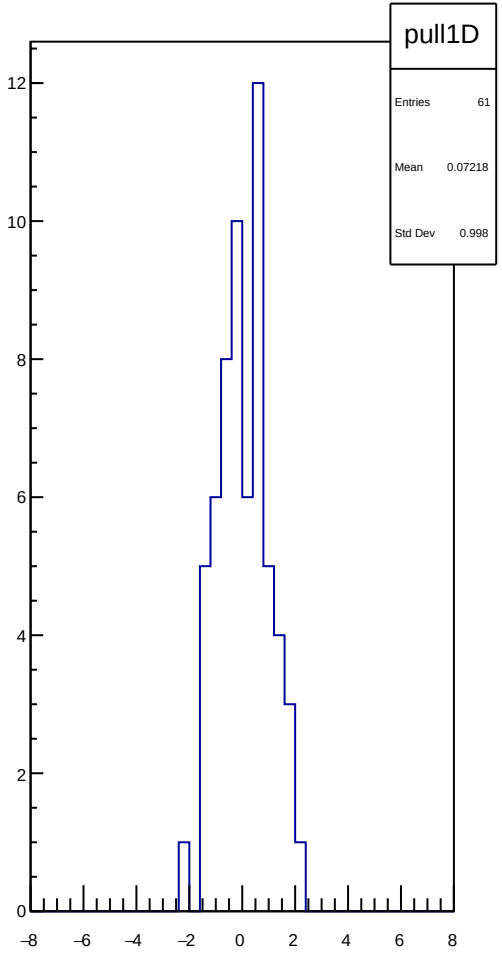

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4879 / 60
p0 697.7 ± 0.6401
850
800
750
700
650
600

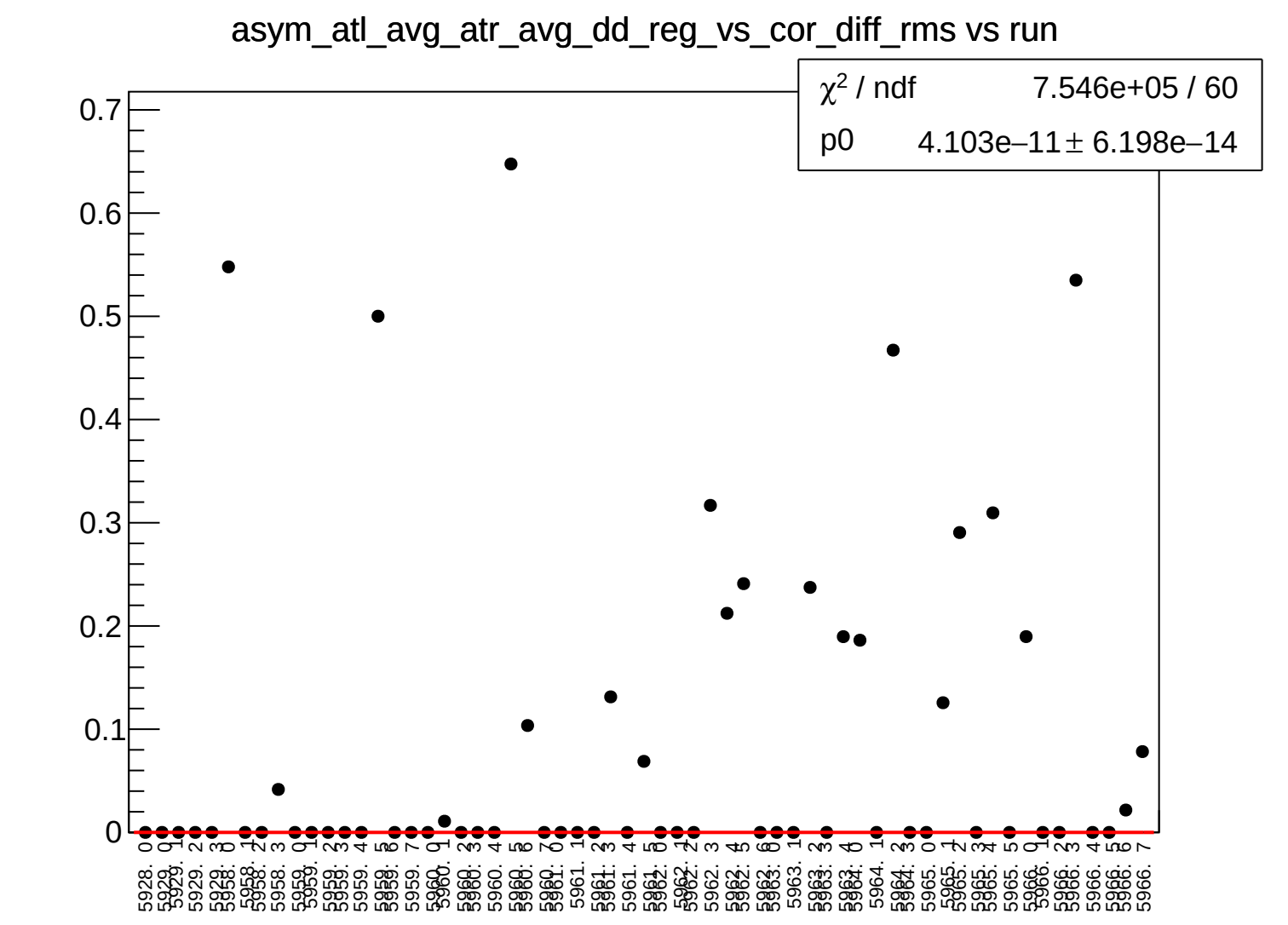

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 72.87 / 60
p0 2282 ± 1827
pull
Entries 61
Mean −142.3
Std Dev 0

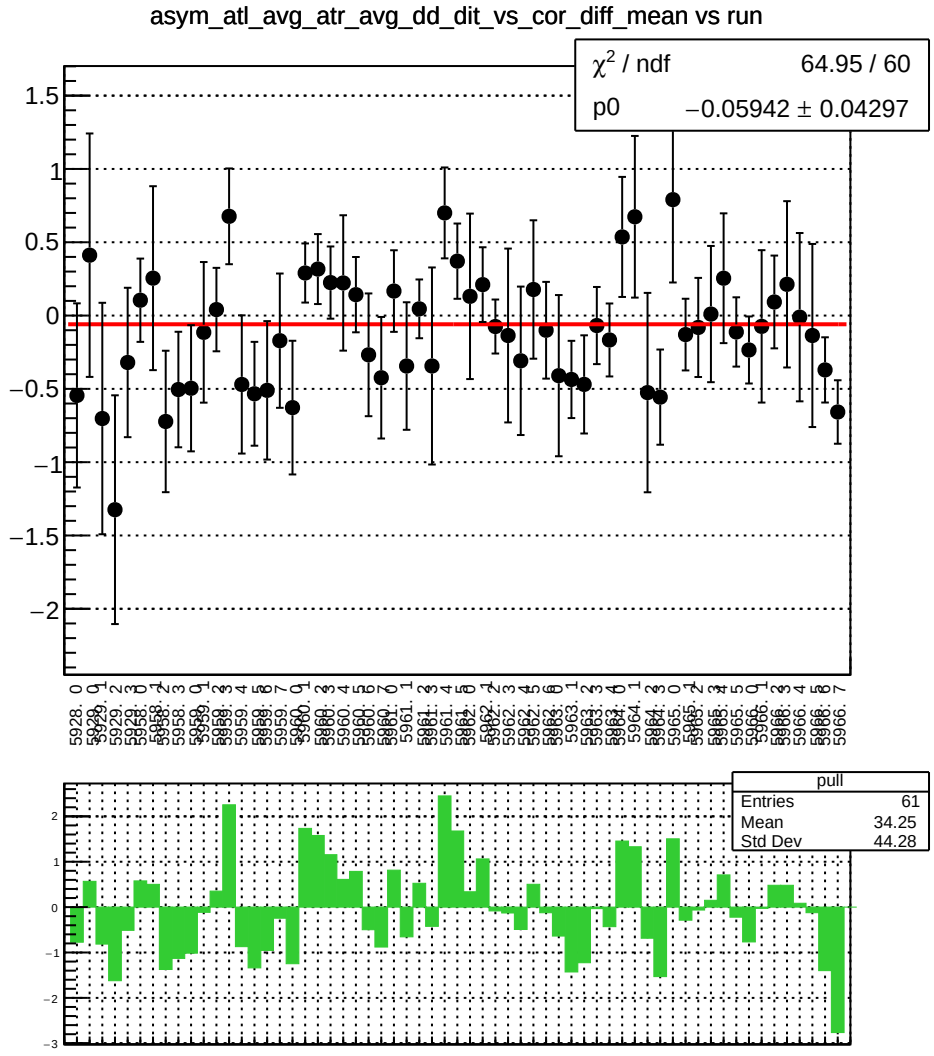

pull1D
Entries 61
Mean −0.02846
Std Dev 1.093

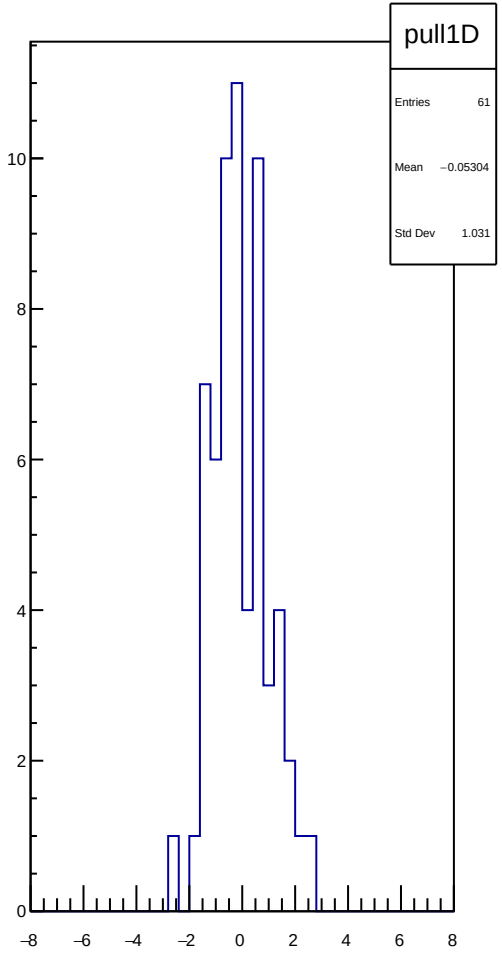

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 670.1 / 60
p0 1410 ± 1.292
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340

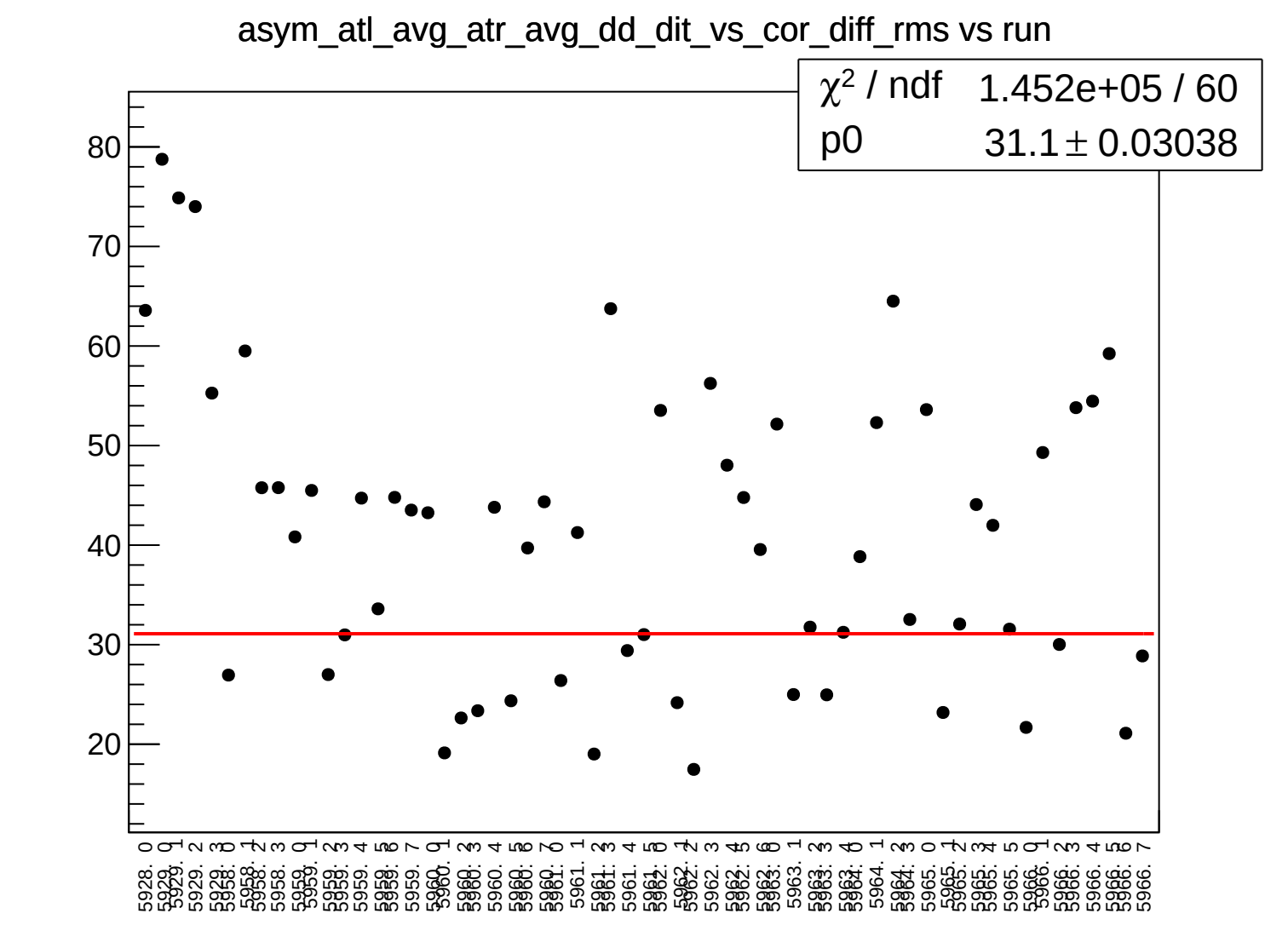

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 60
p0 4.735e−15 ± 8.765e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 61
Mean 98.78
Std Dev 0
2
1
0
−1
−2

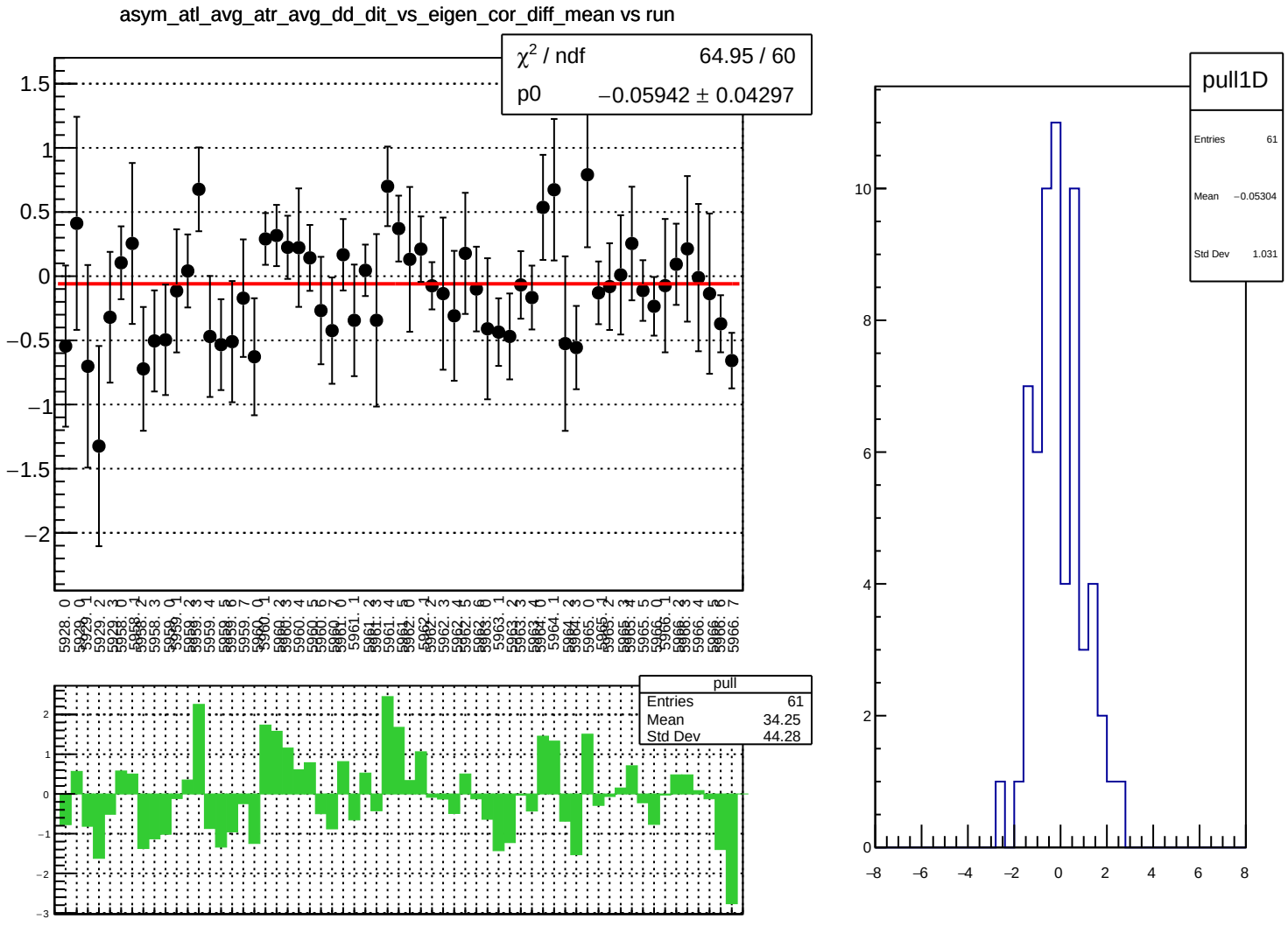

pull1D
Entries 61
Mean 0.07218
Std Dev 0.998
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

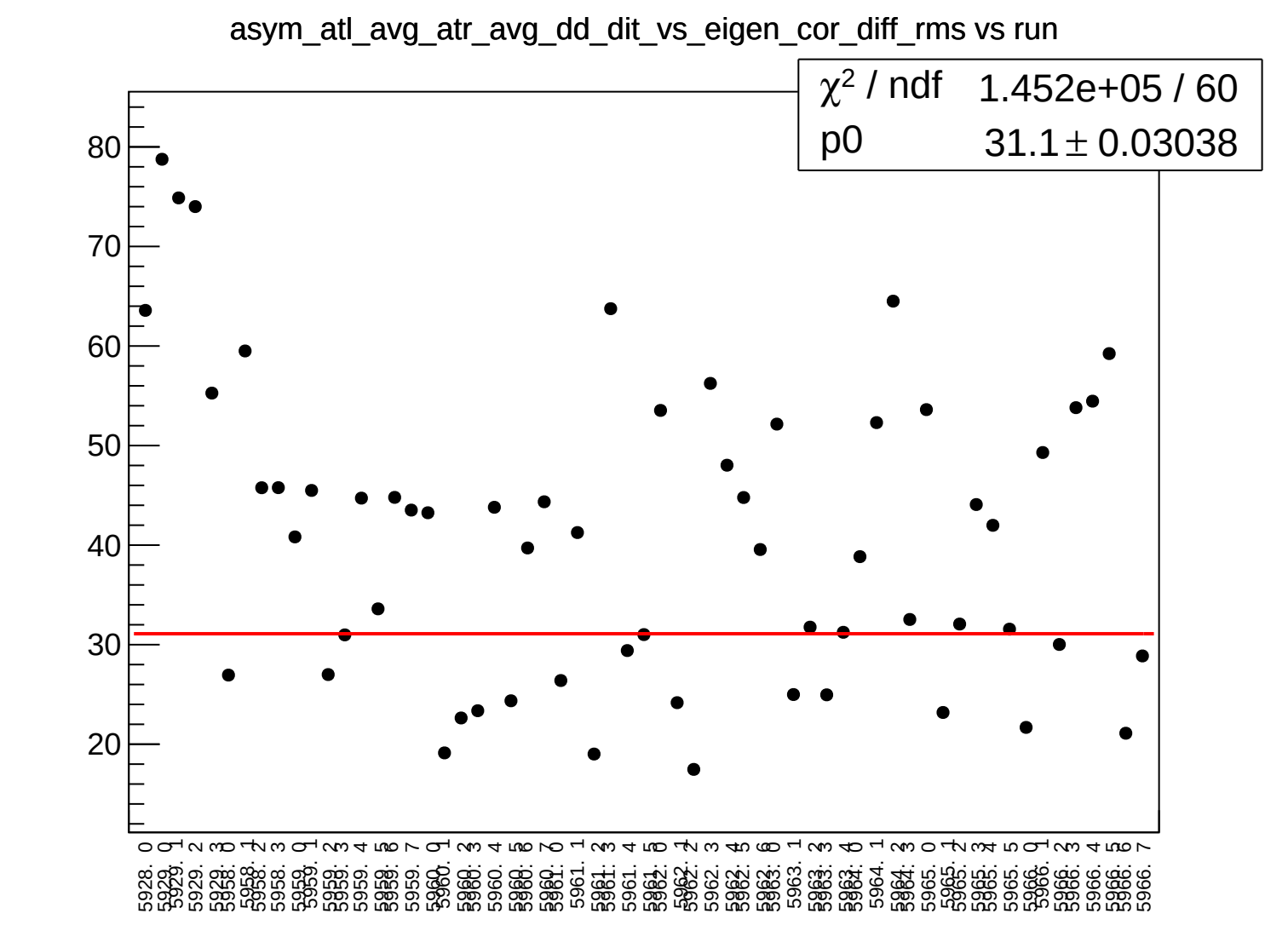

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.546e+05 / 60
p0 4.103e−11 ± 6.198e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

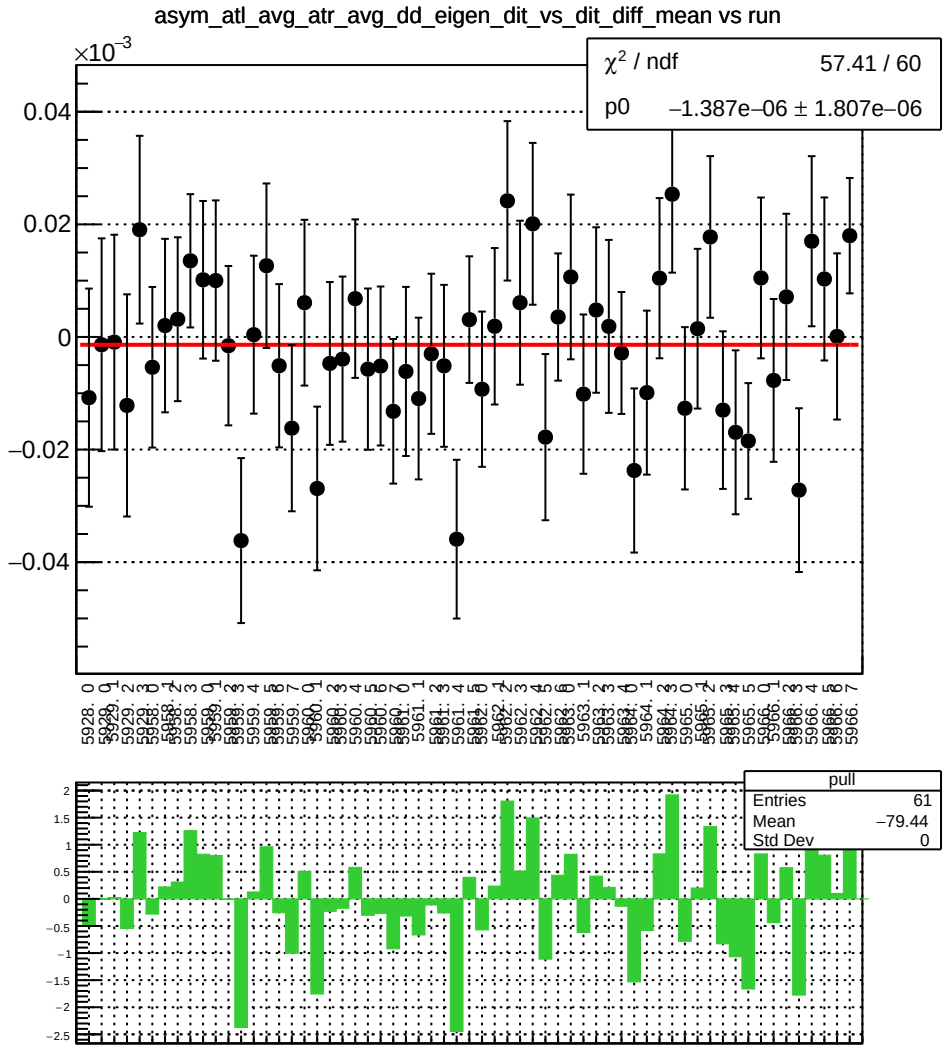

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28

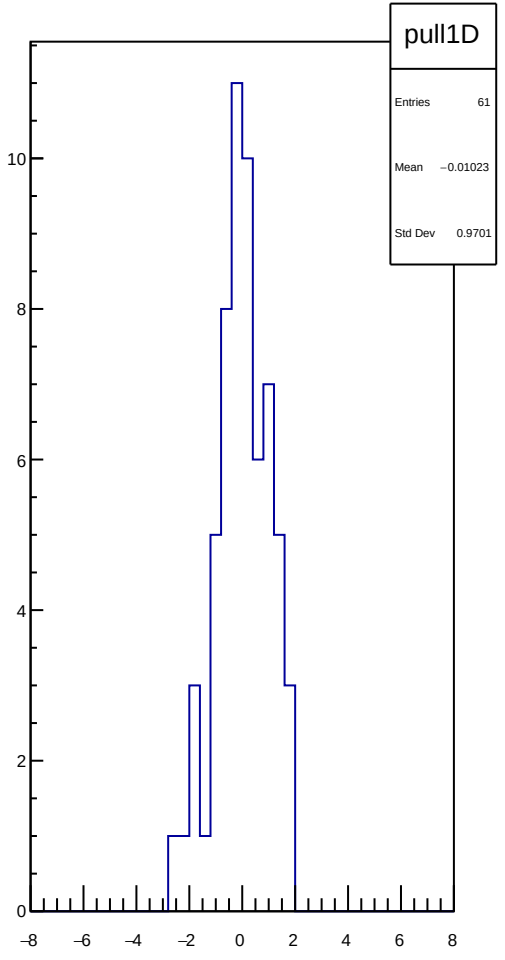

pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

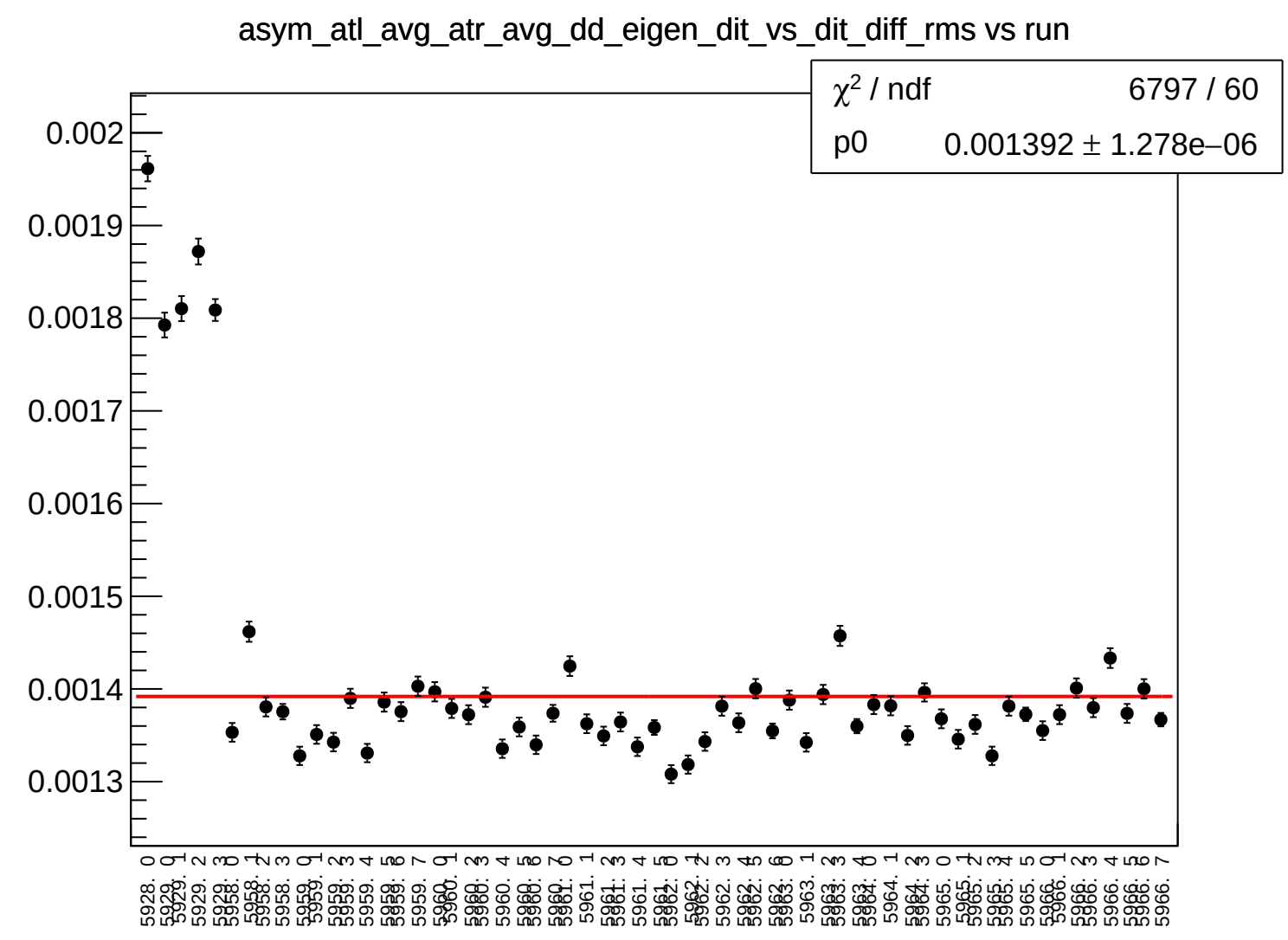

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

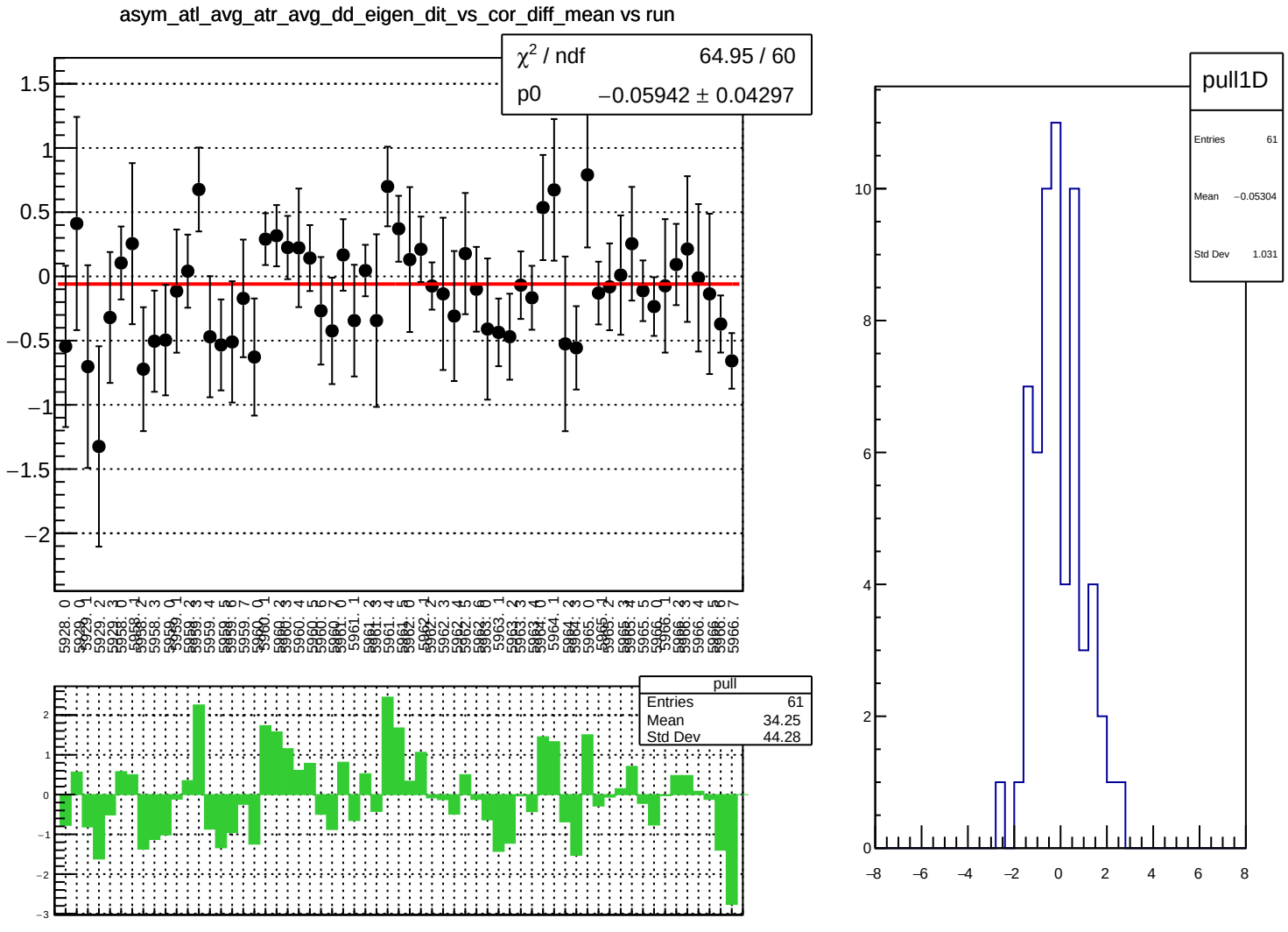

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

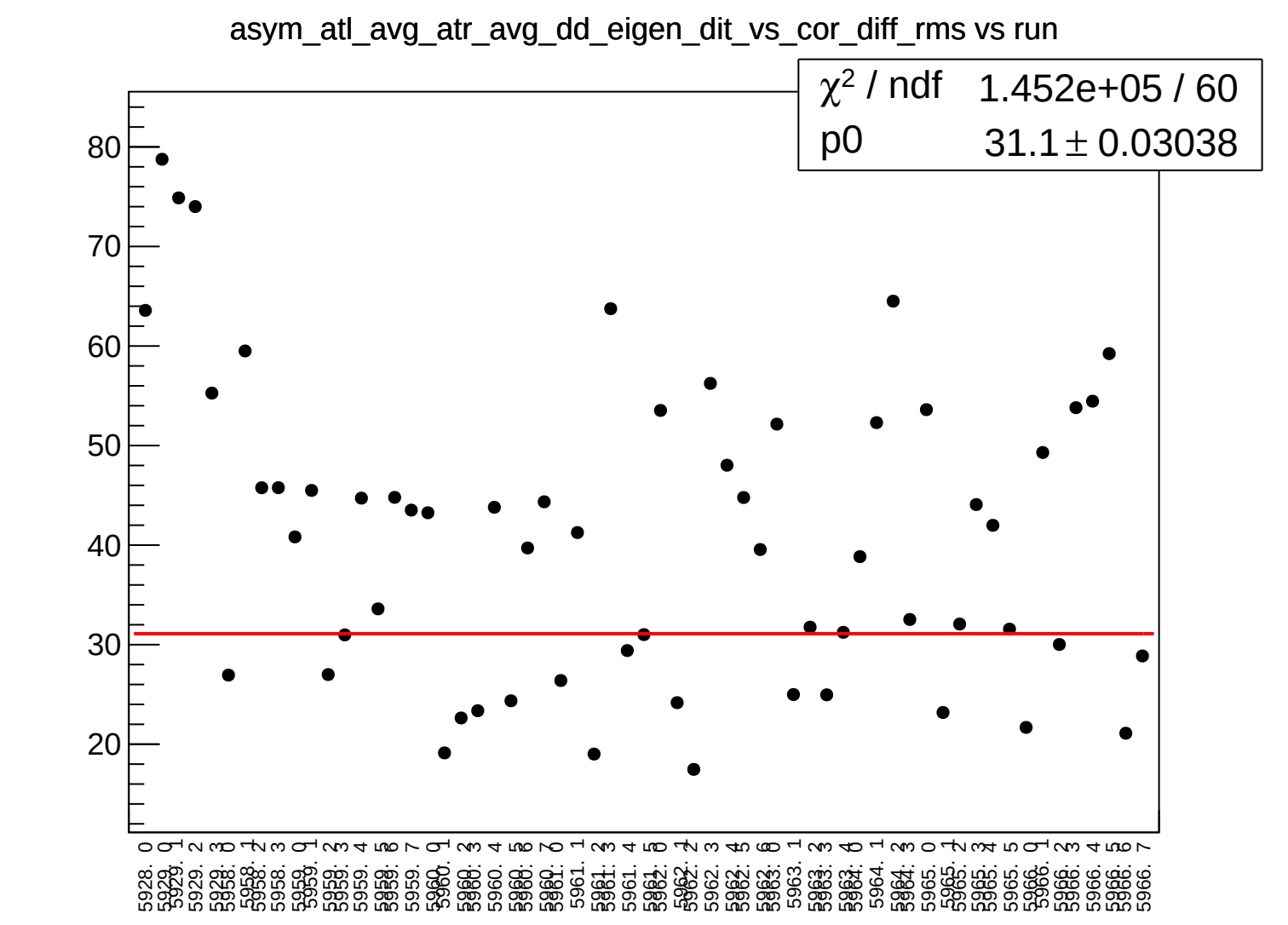

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

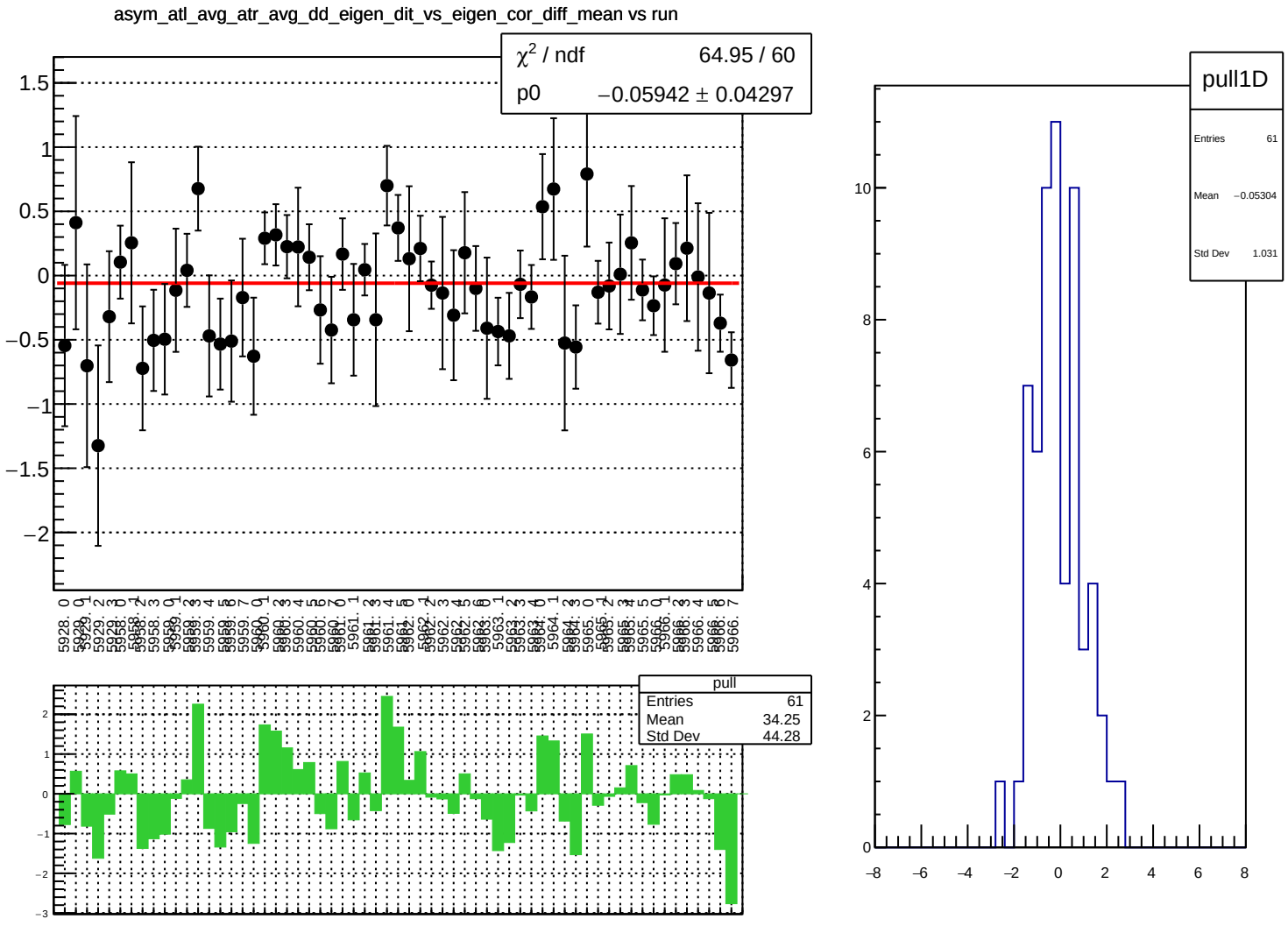

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.41 / 60
p0 −1.387e−06 ± 1.807e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 61
Mean −79.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

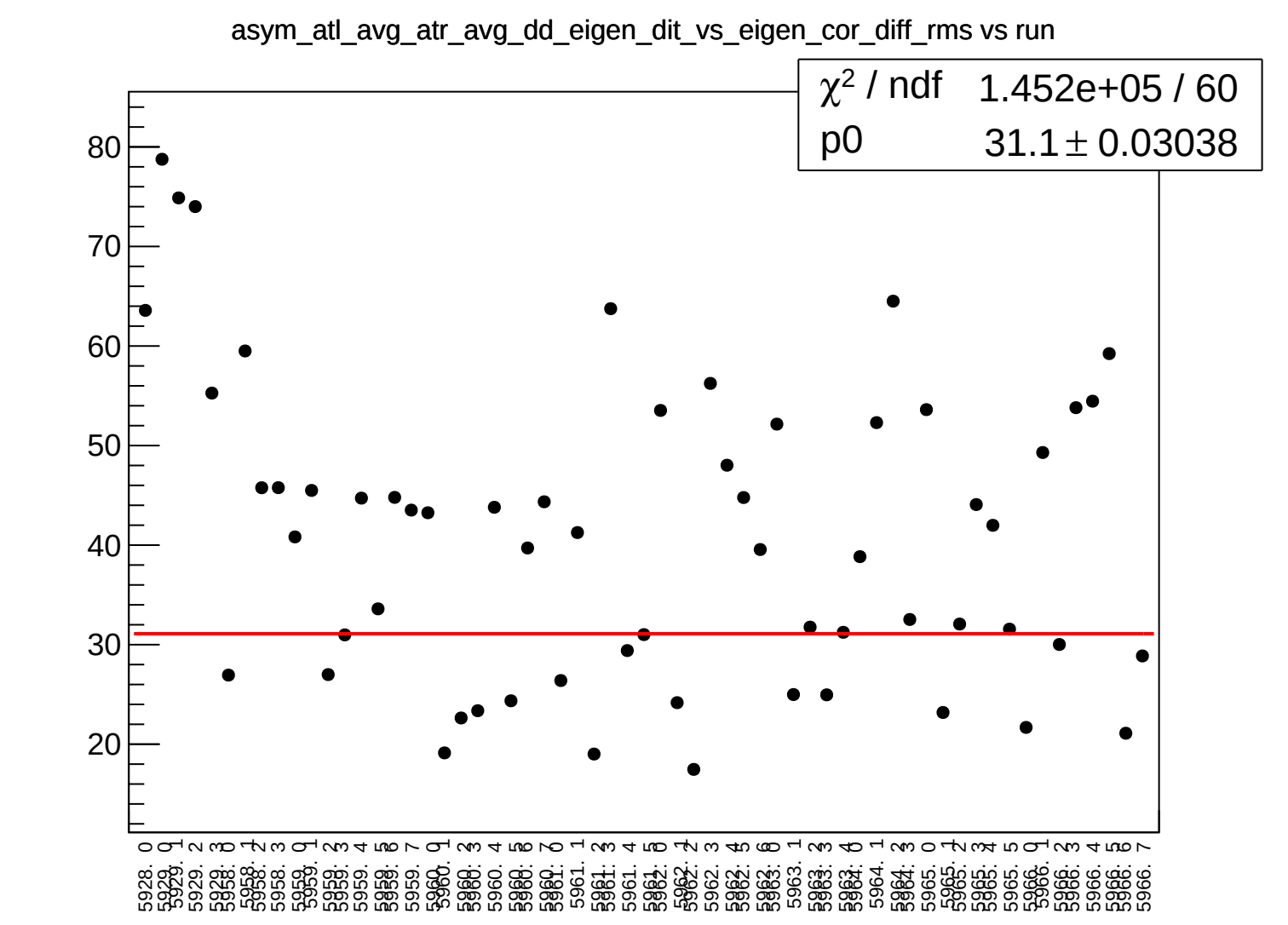

pull1D
Entries 61
Mean −0.01023
Std Dev 0.9701
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

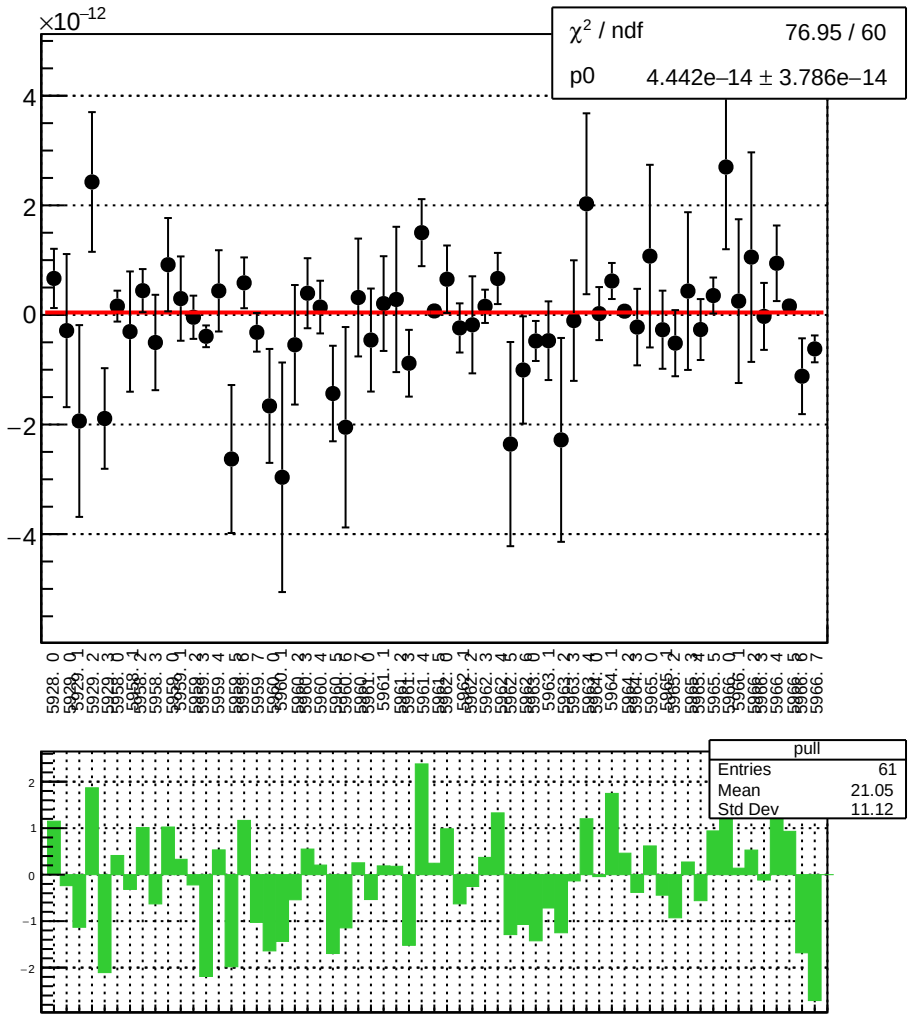

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6797 / 60
p0 0.001392 ± 1.278e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

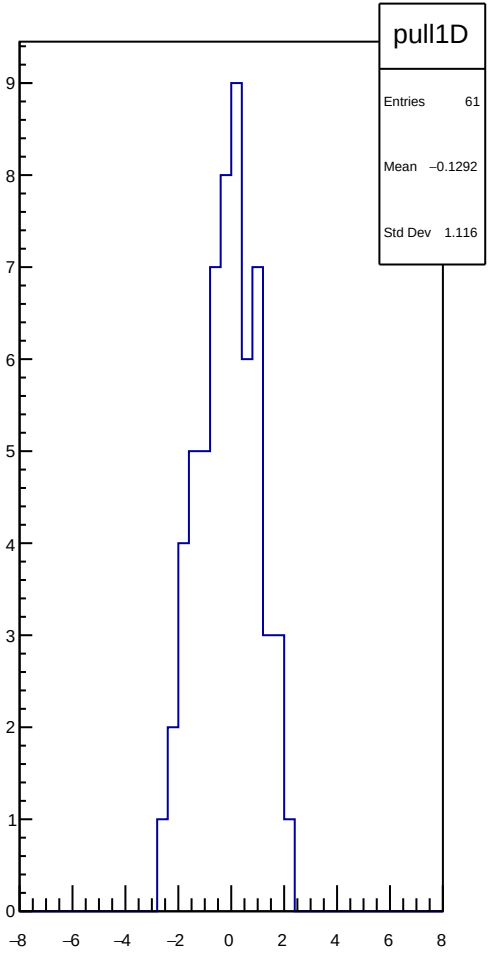

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

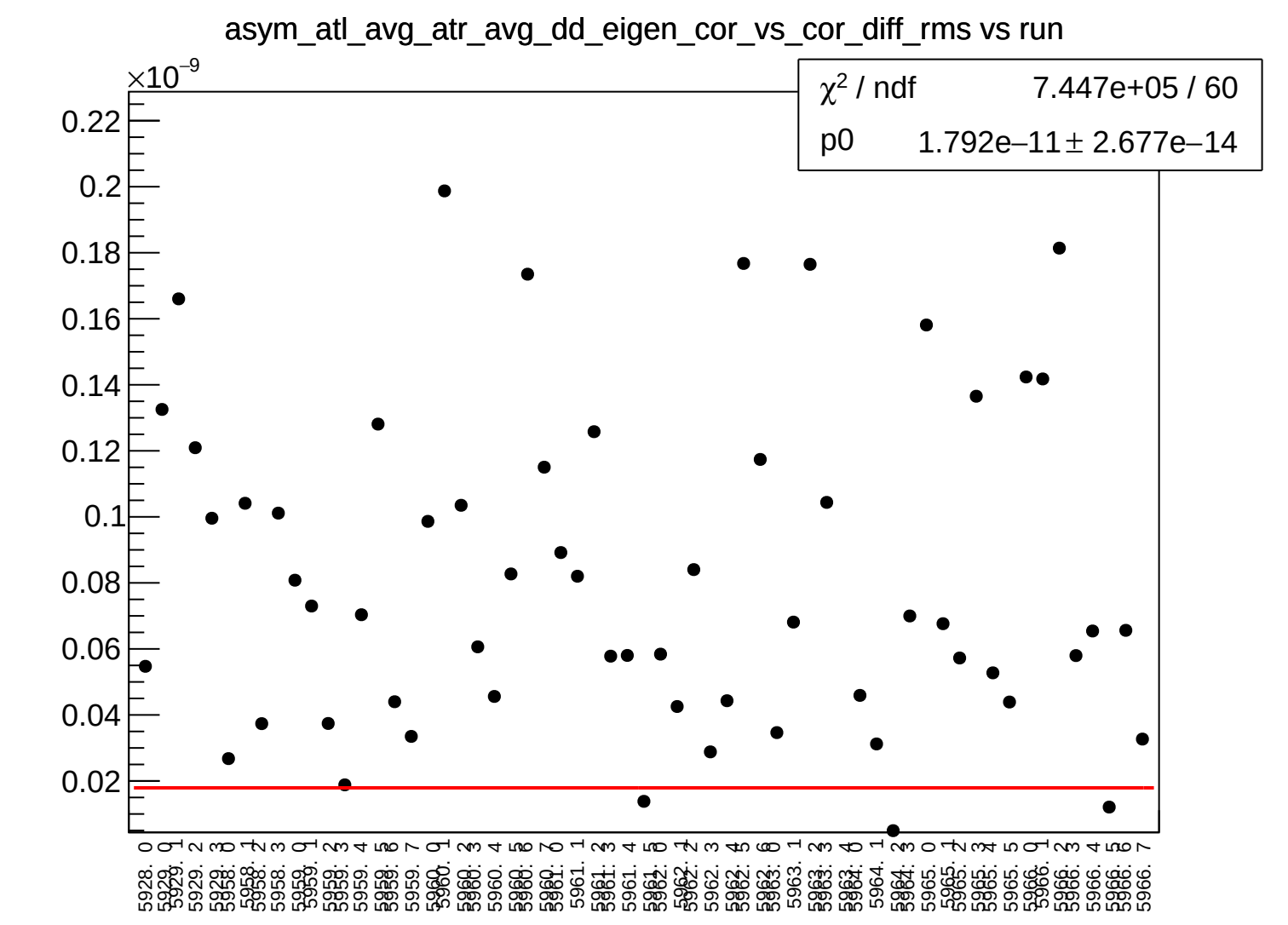

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

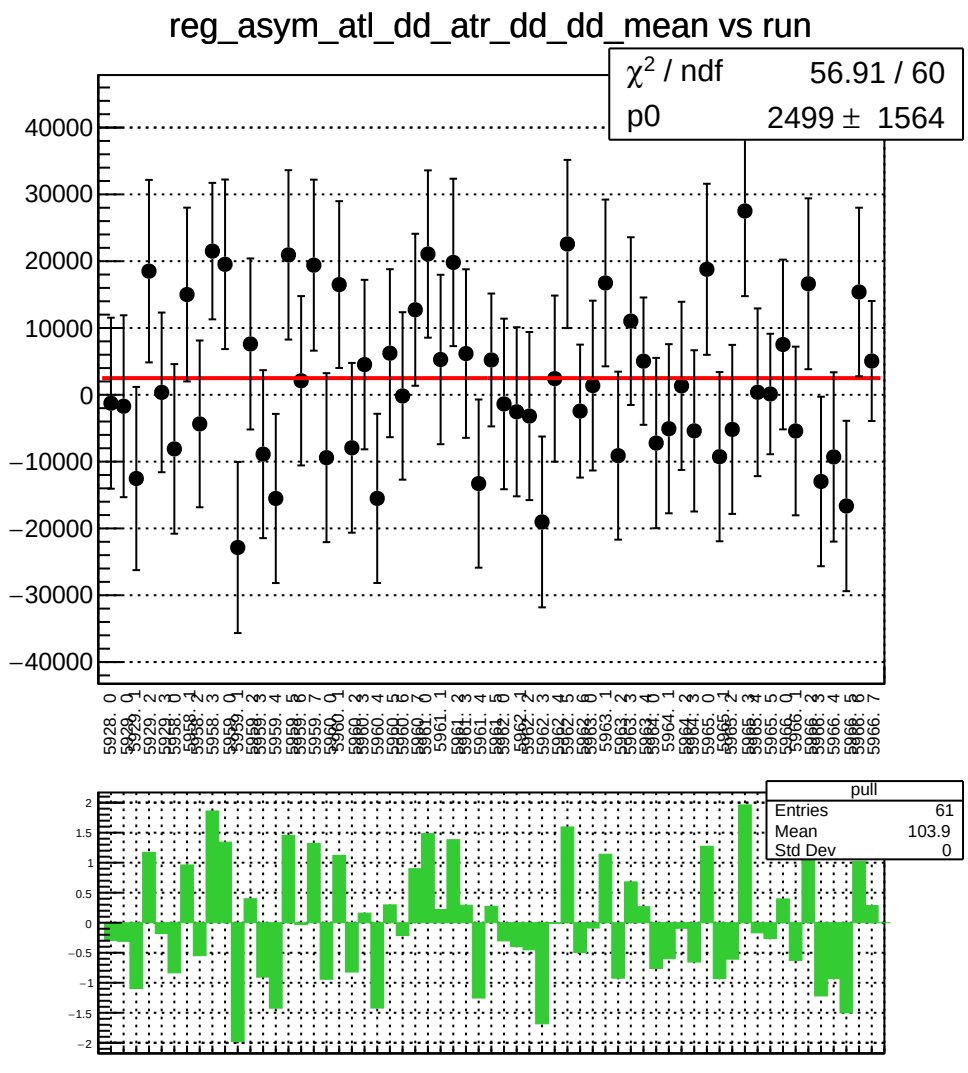

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

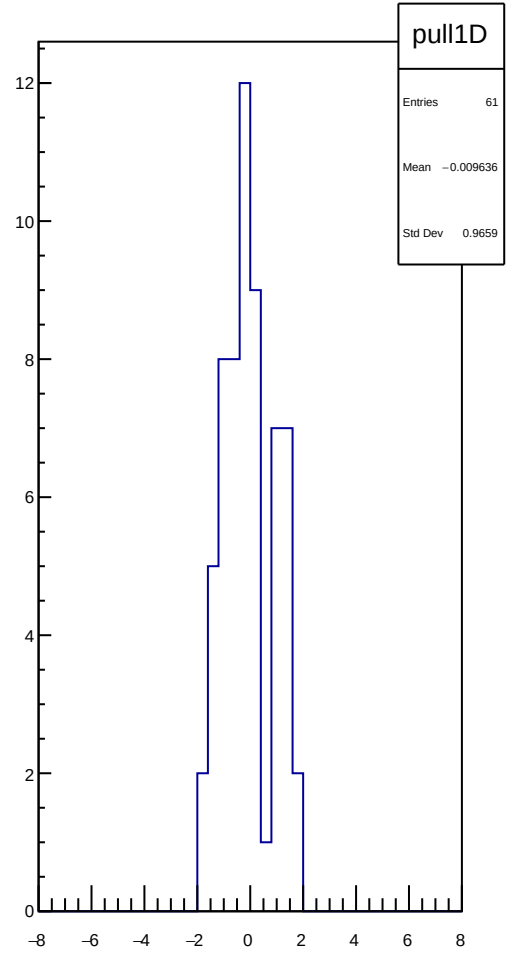

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

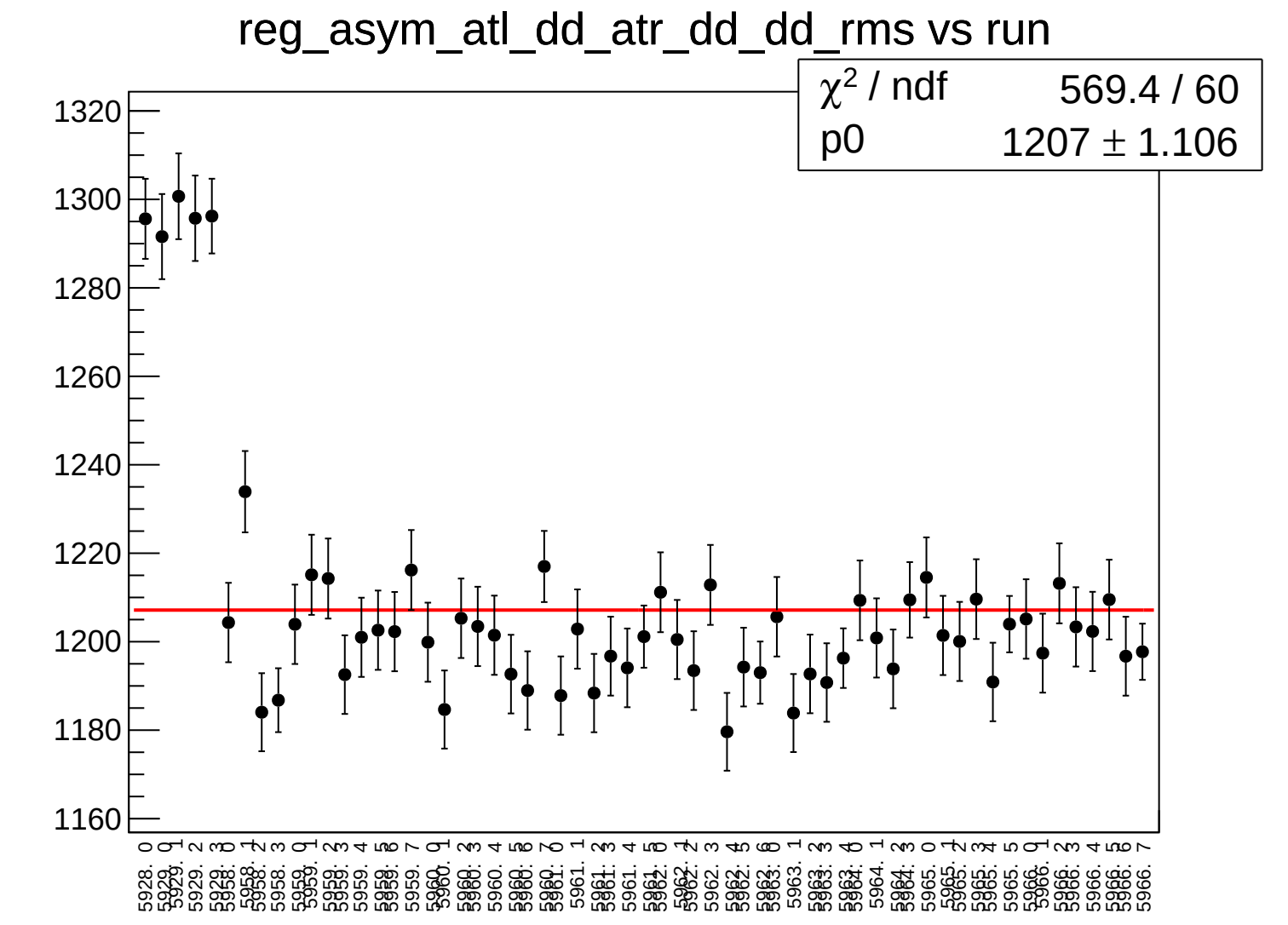

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 76.95 / 60
p0 4.442e−14 ± 3.786e−14
pull
Entries 61
Mean 21.05
Std Dev 11.12

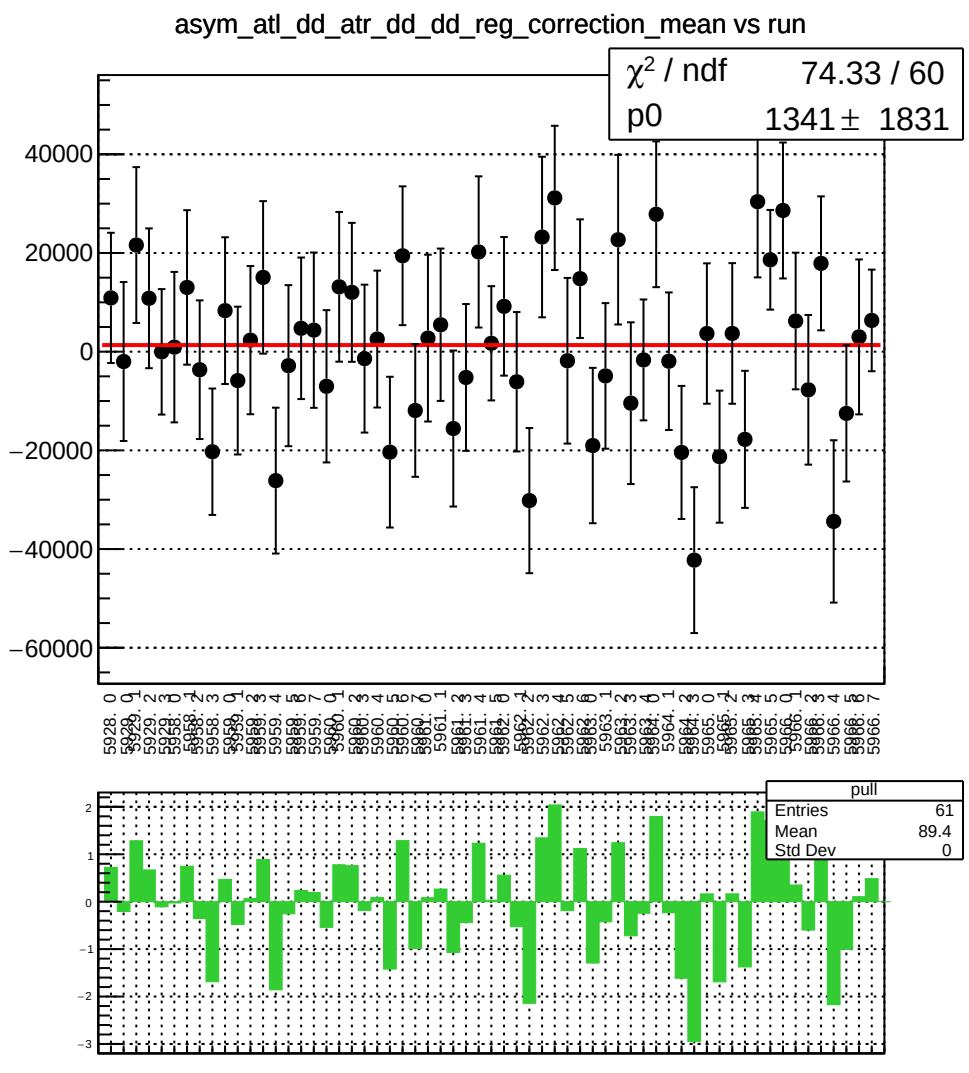

pull1D
Entries 61
Mean −0.1292
Std Dev 1.116

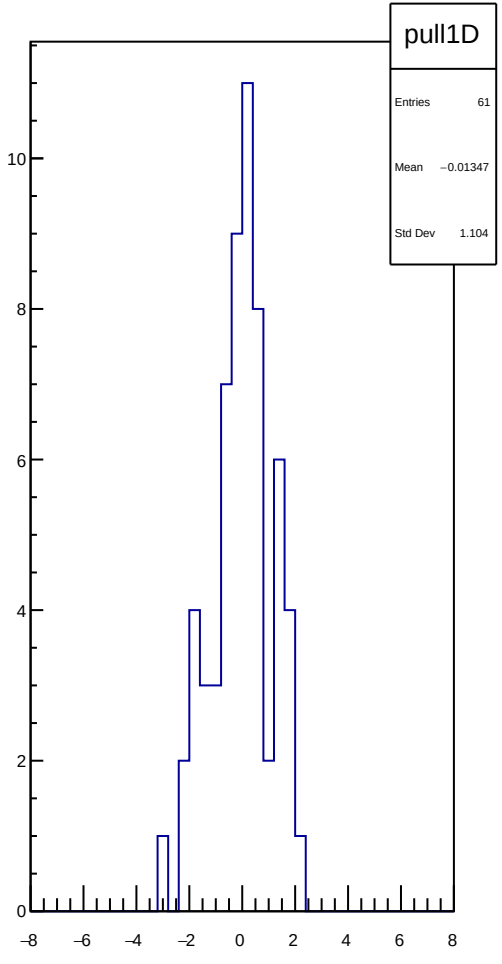

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.447e+05 / 60
p0 1.792e−11 ± 2.677e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

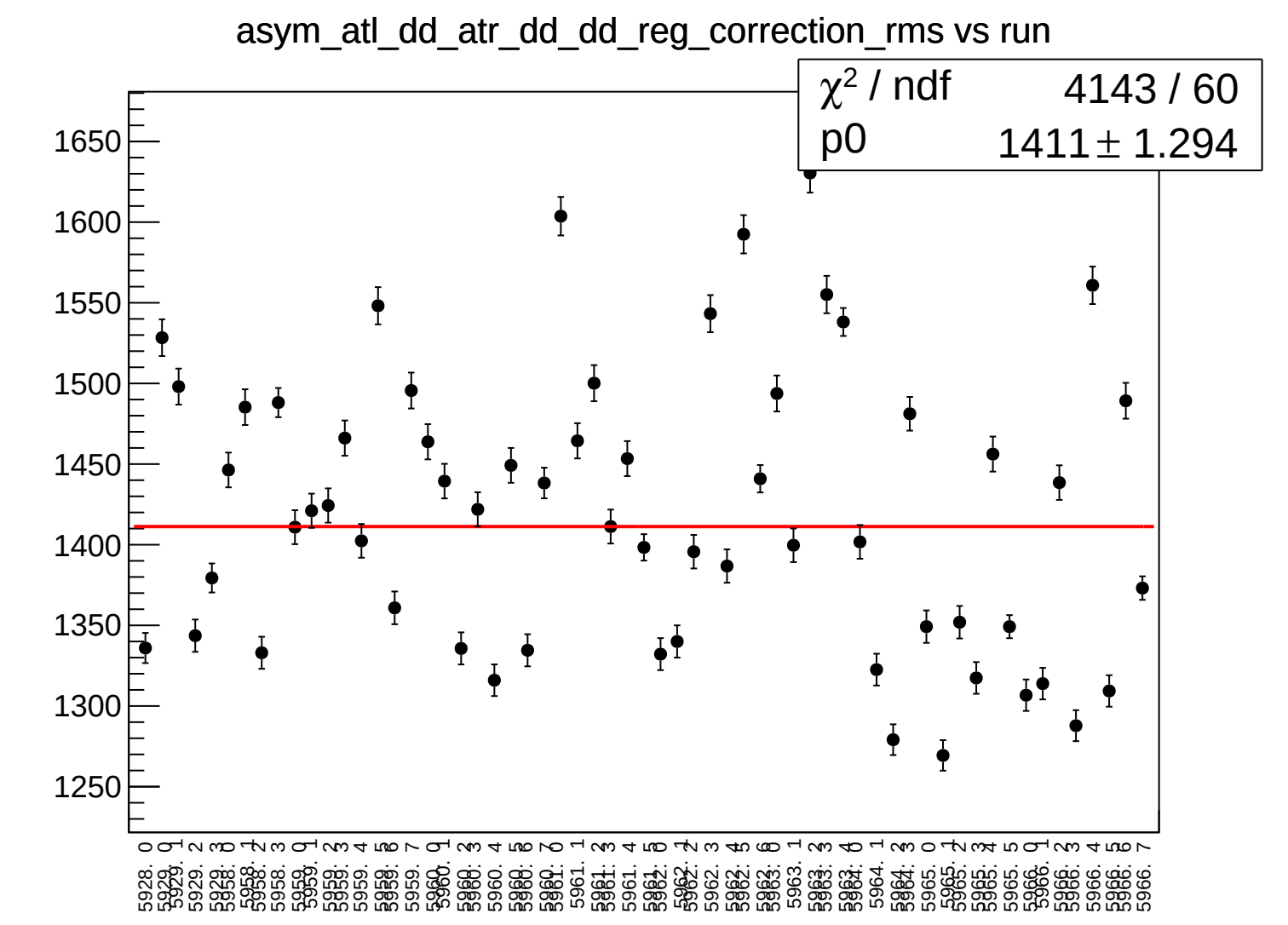

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

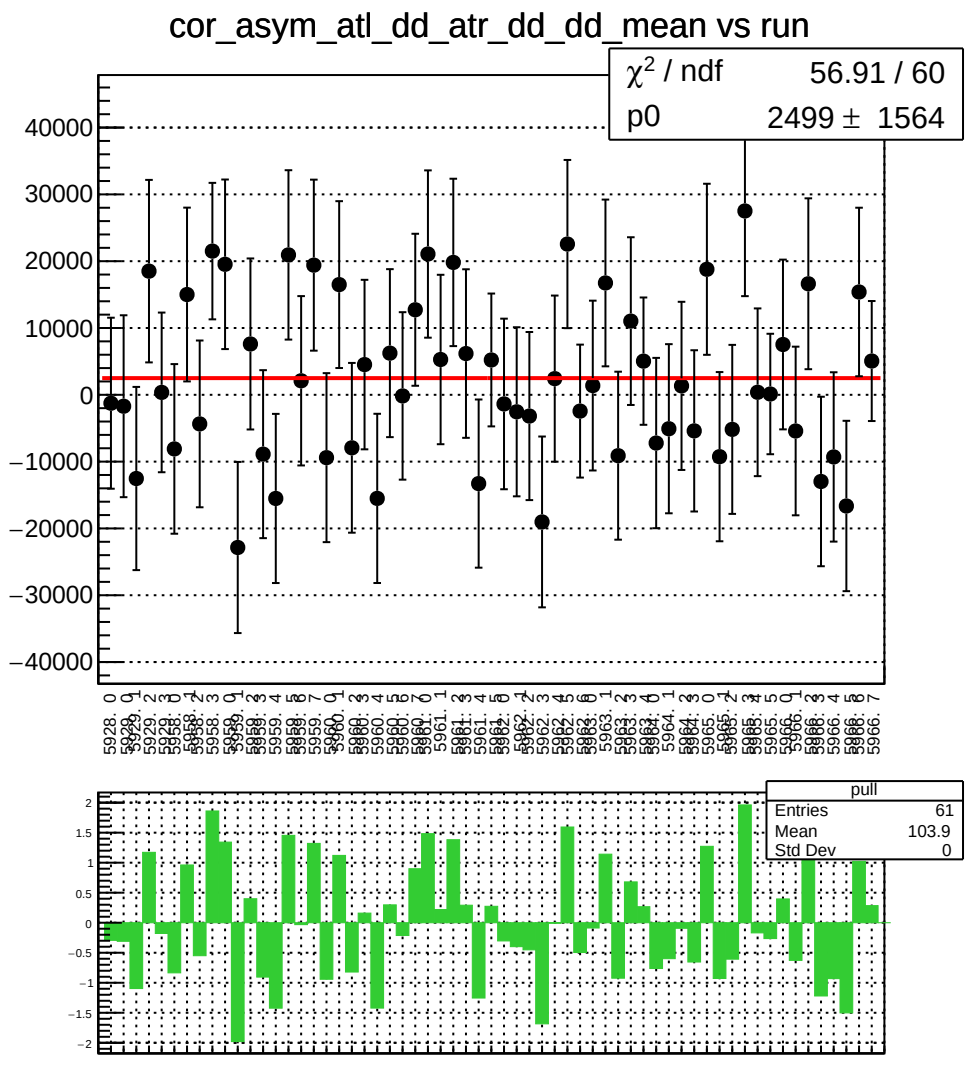

pull1D
Entries 61
Mean −0.009636
Std Dev 0.9659

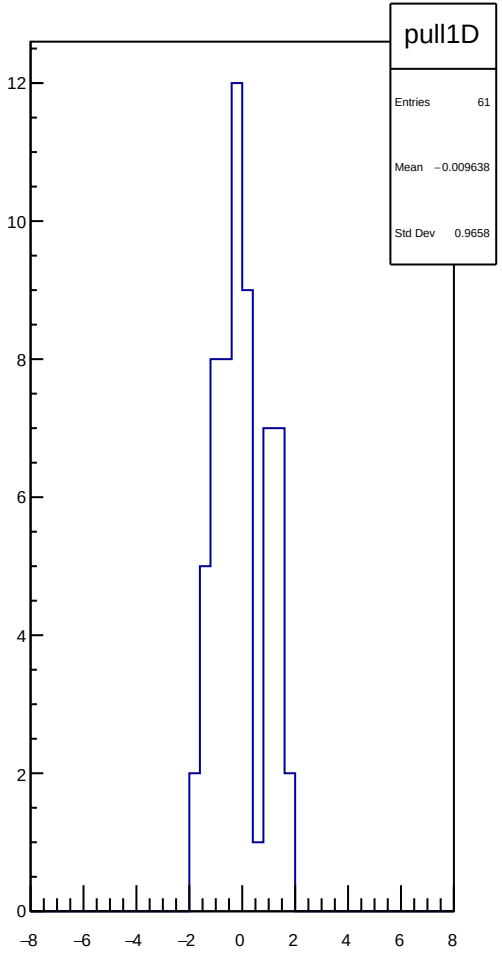

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

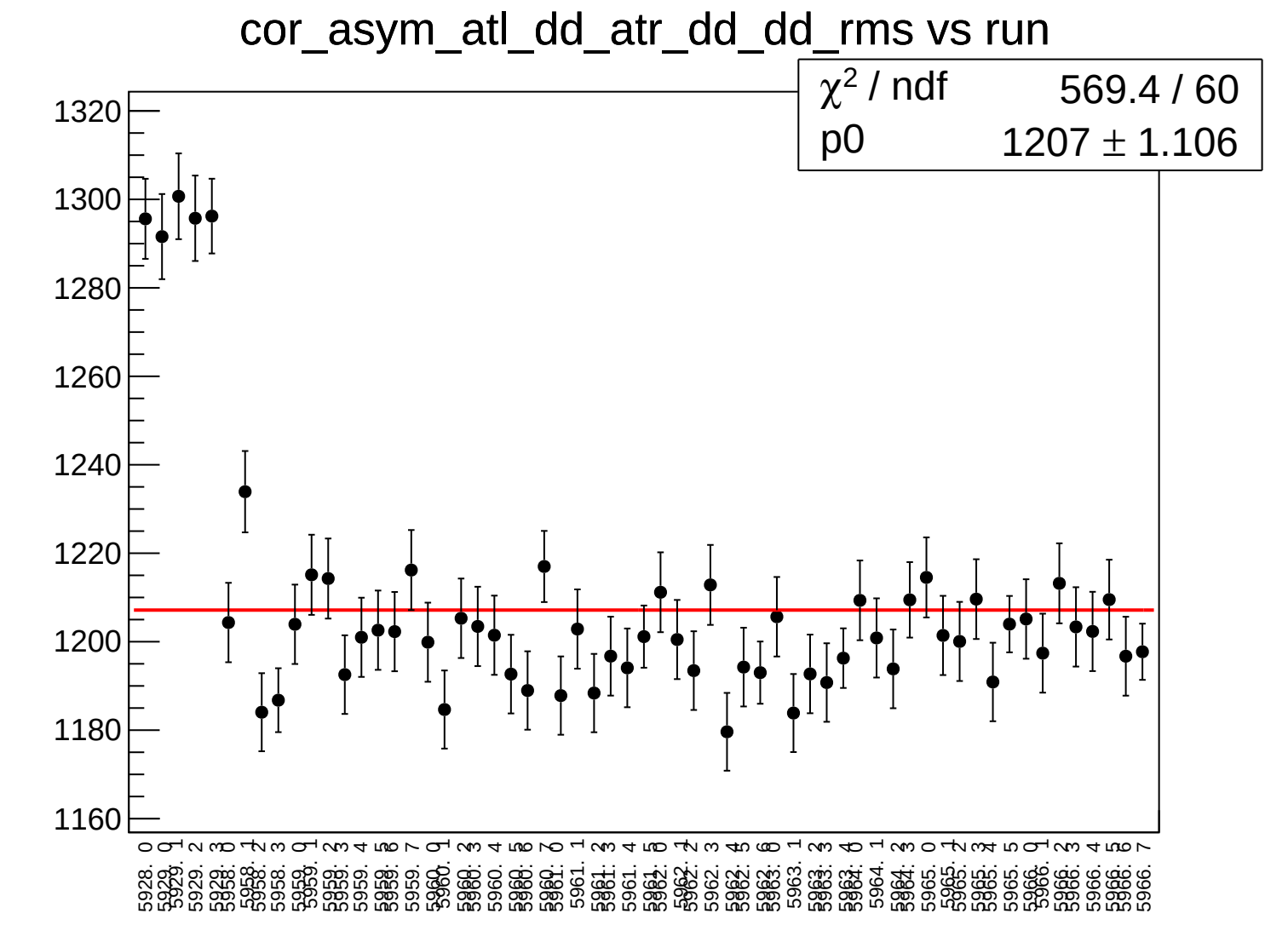

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 89.4
Std Dev 0
2
1
0
−1
−2
−3

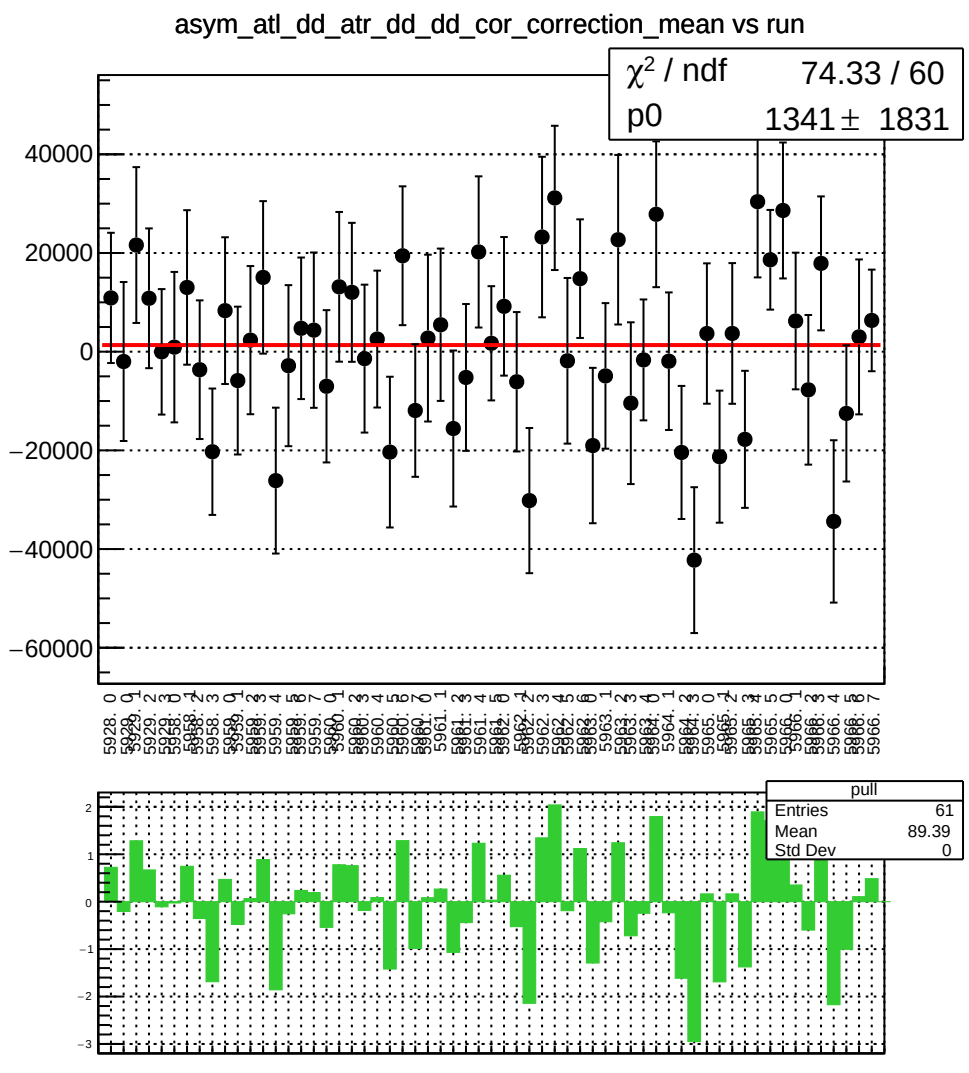

pull1D
Entries 61
Mean −0.01347
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

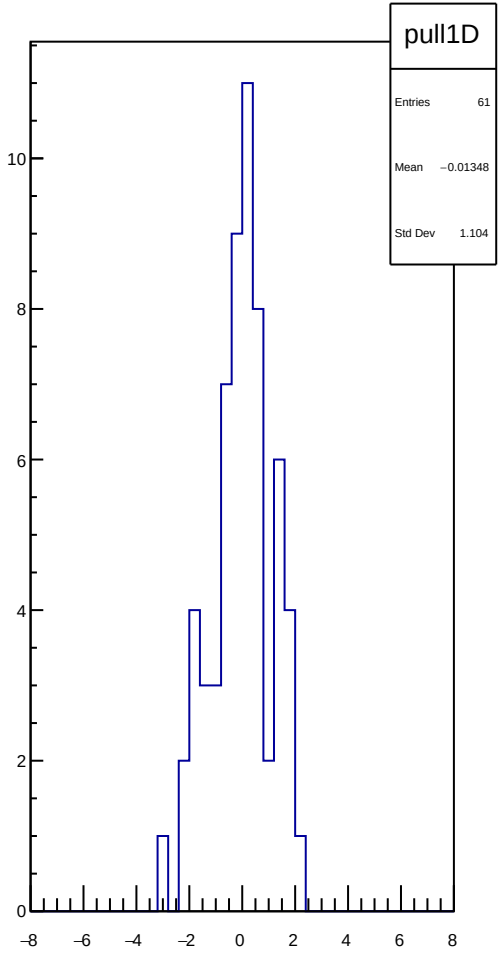

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 4143 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

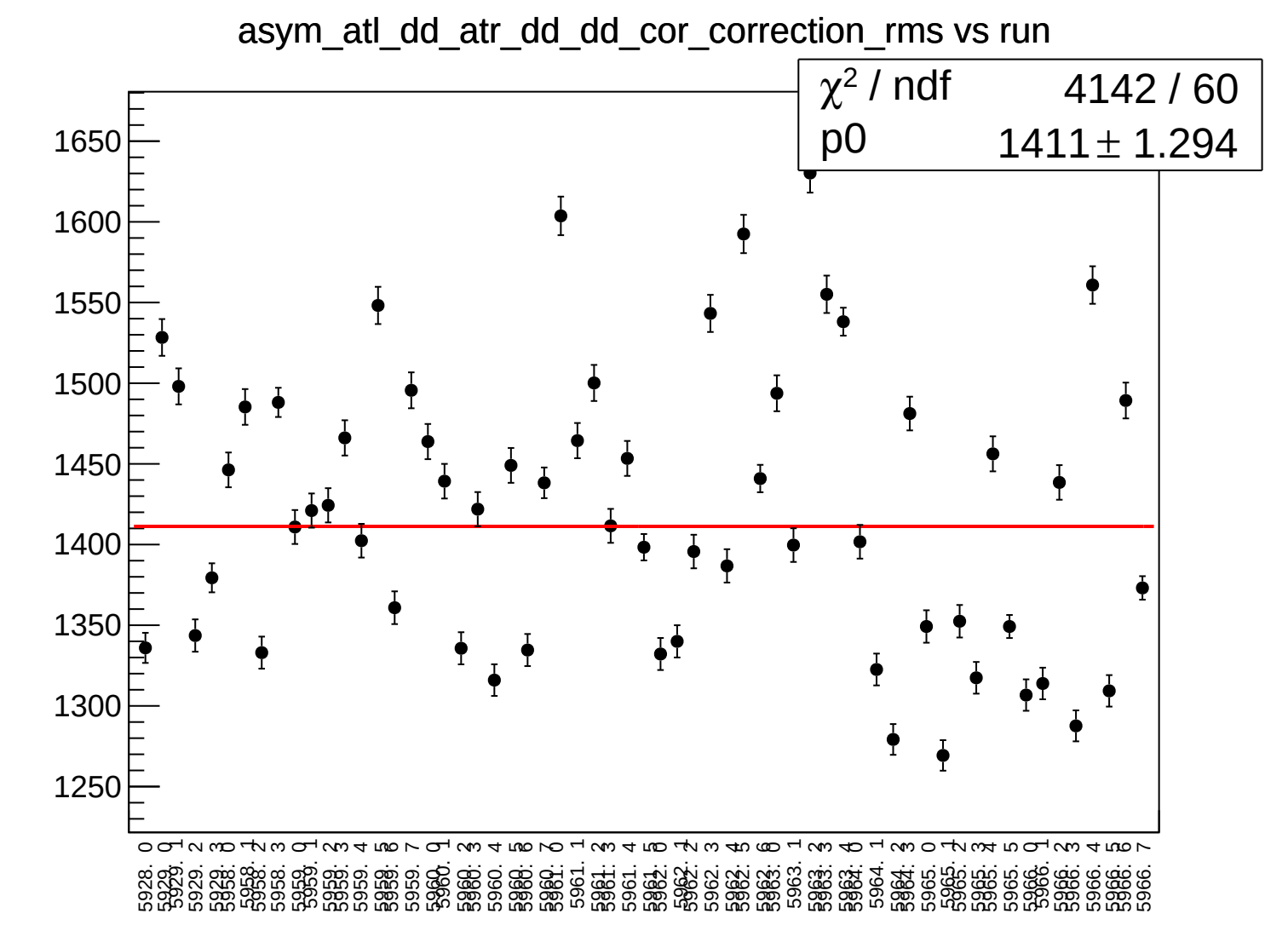

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

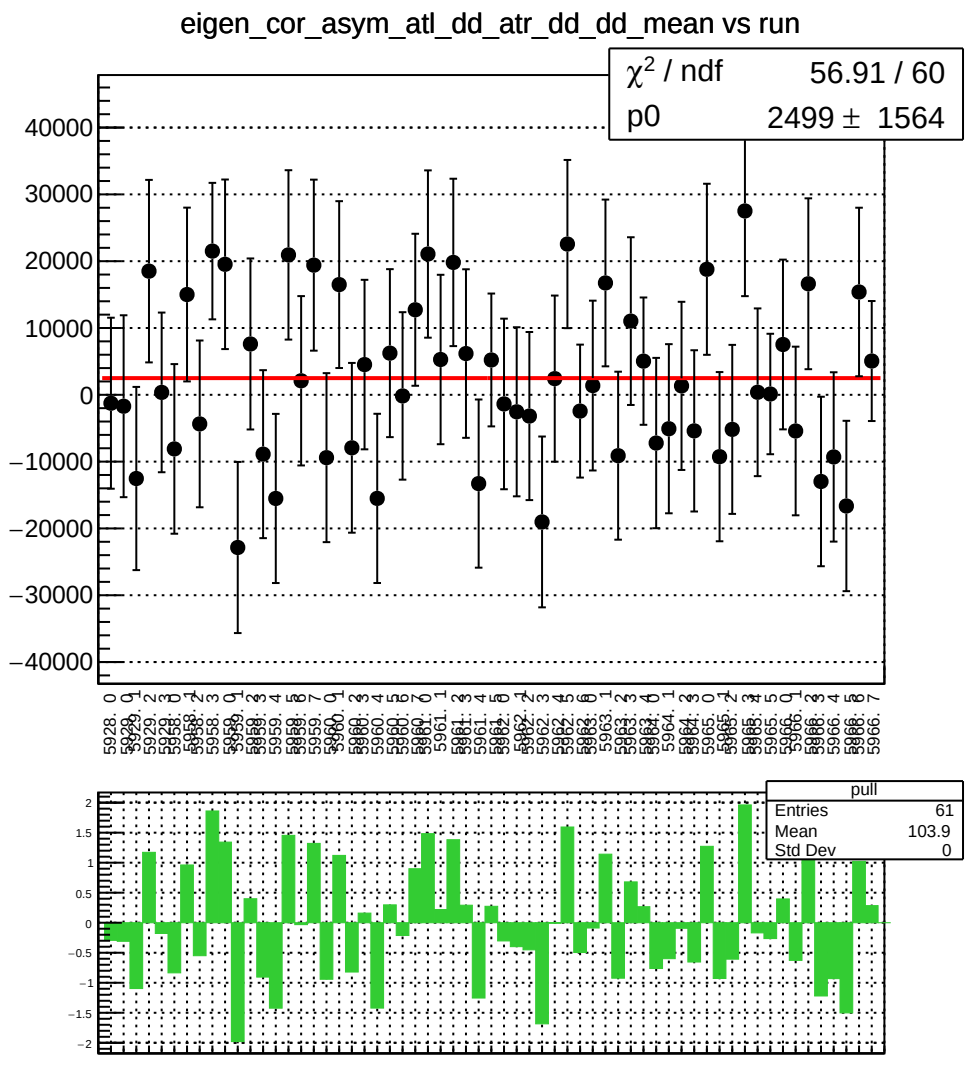

pull1D
Entries 61
Mean −0.009638
Std Dev 0.9658

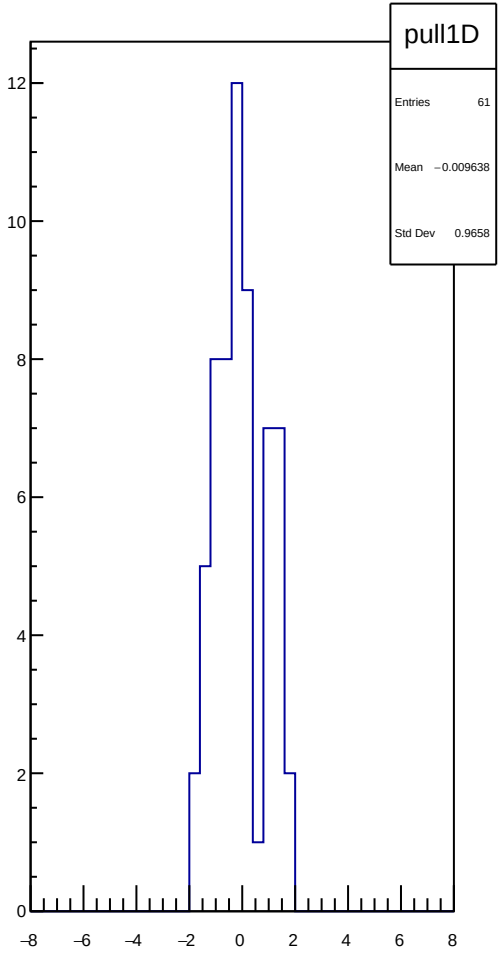

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

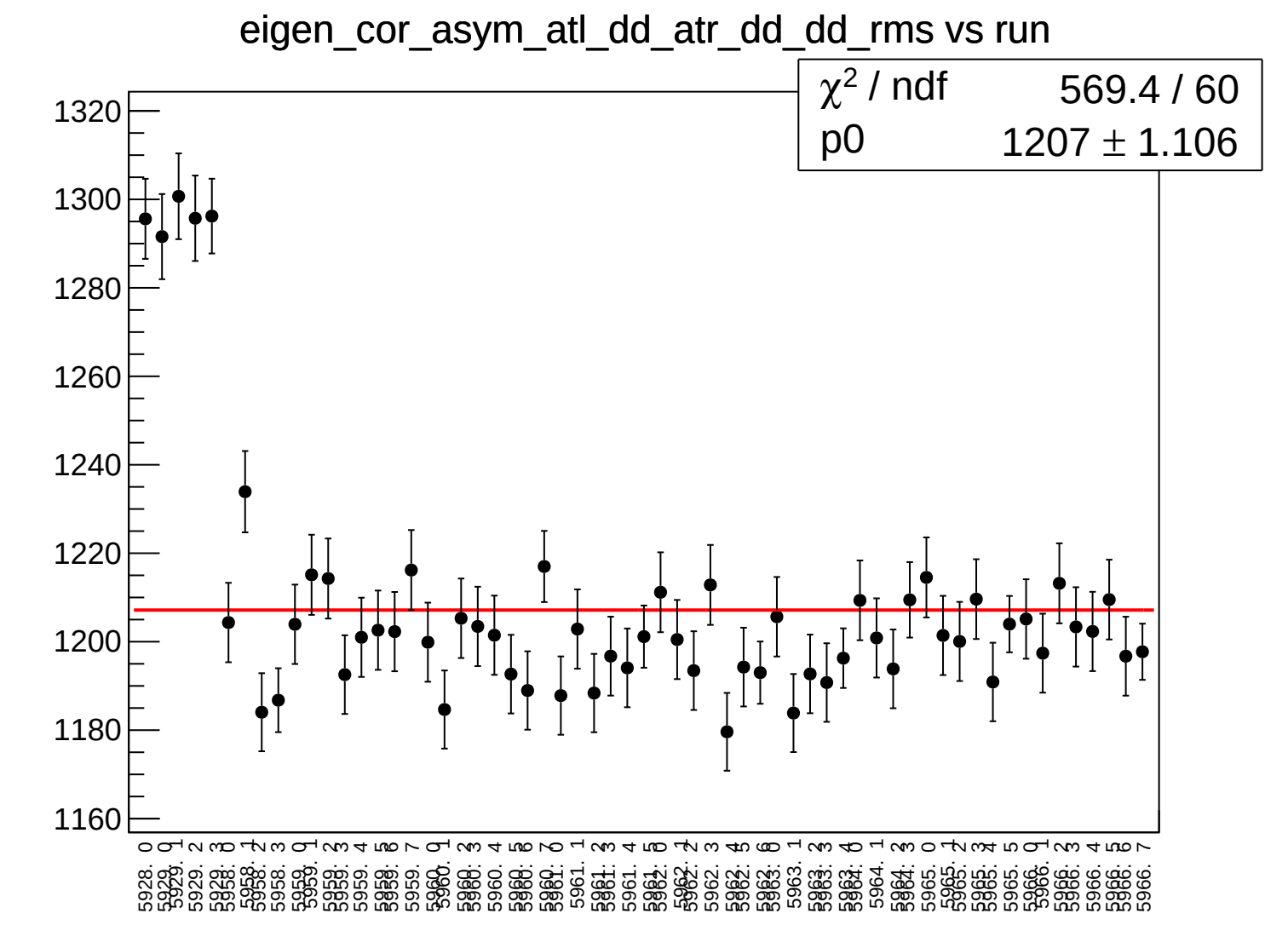

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 89.39
Std Dev 0
2
1
0
−1
−2
−3

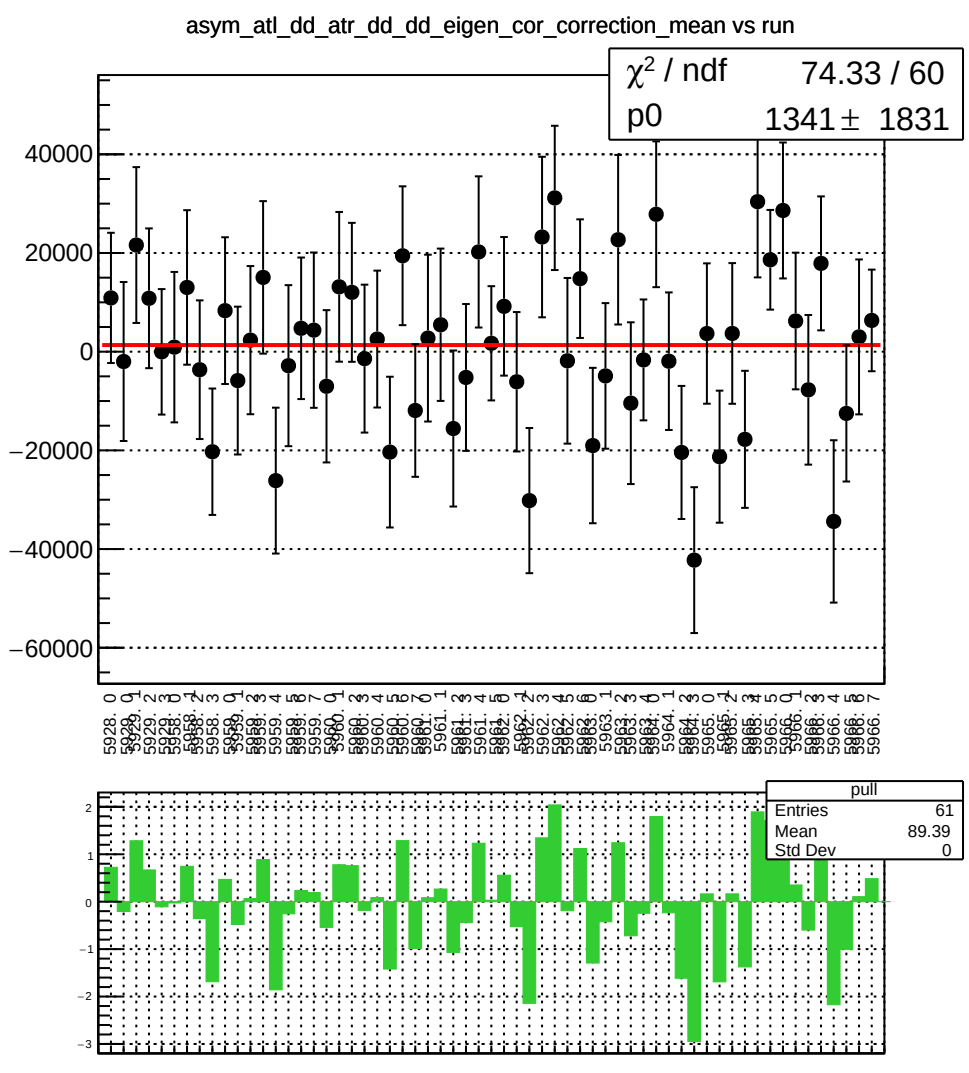

pull1D
Entries 61
Mean −0.01348
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

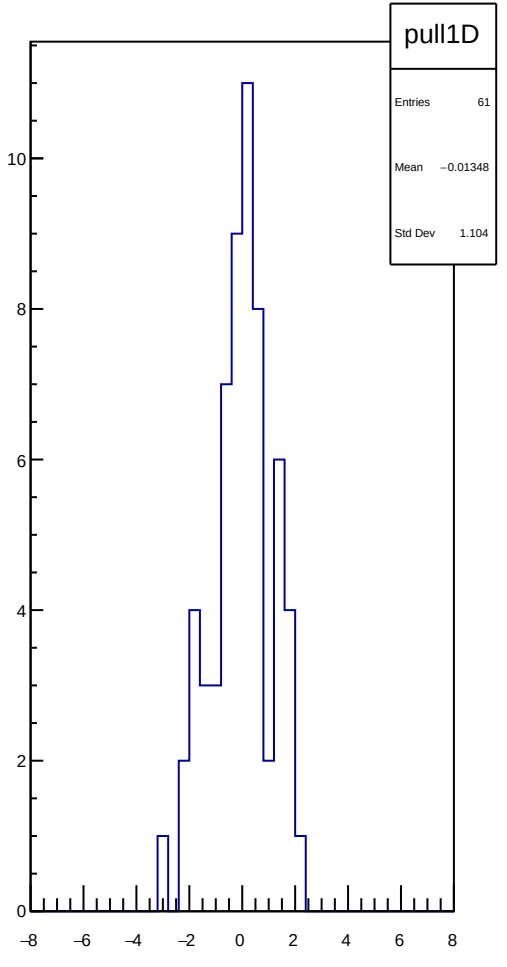

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 4142 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

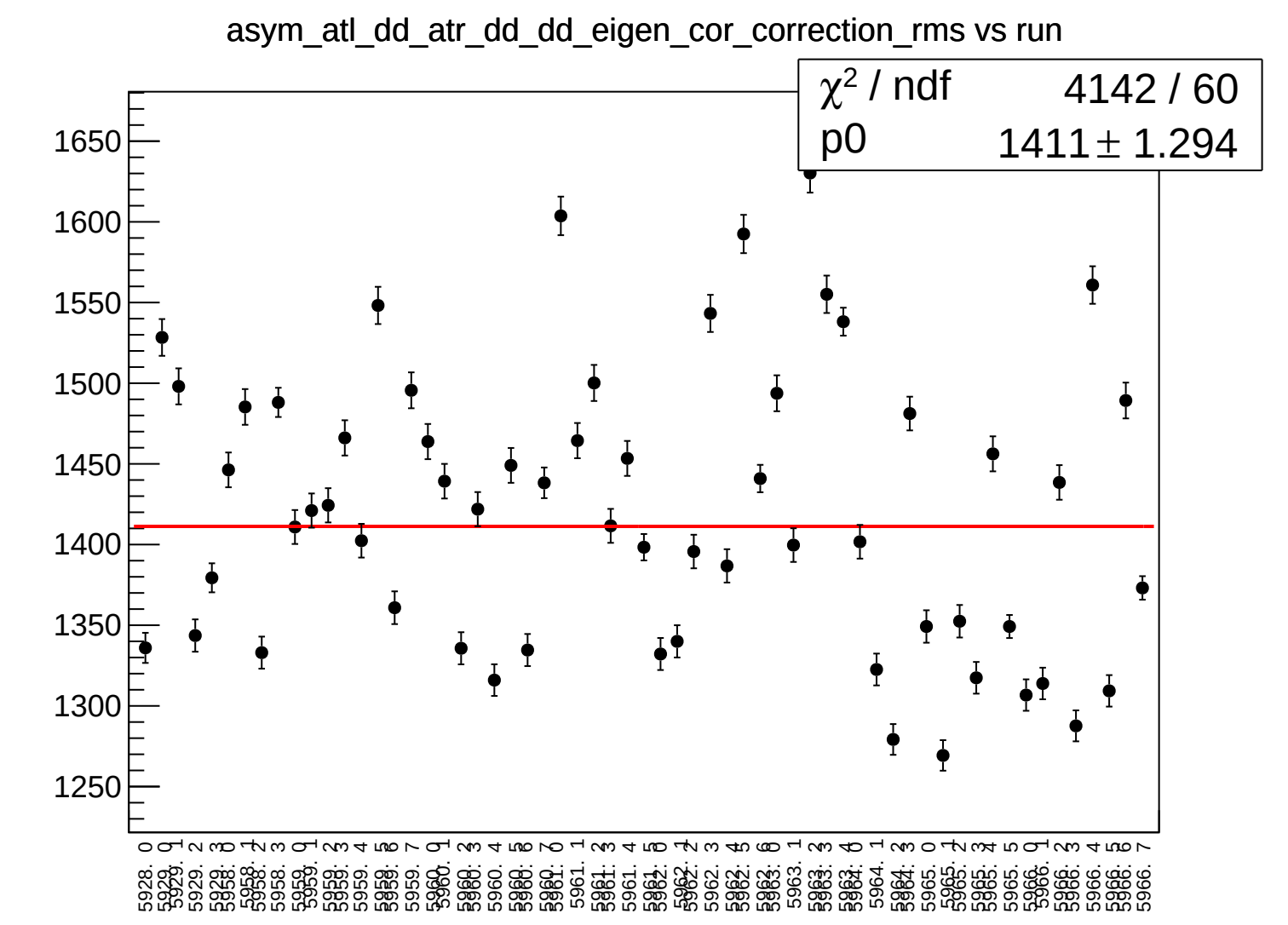

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

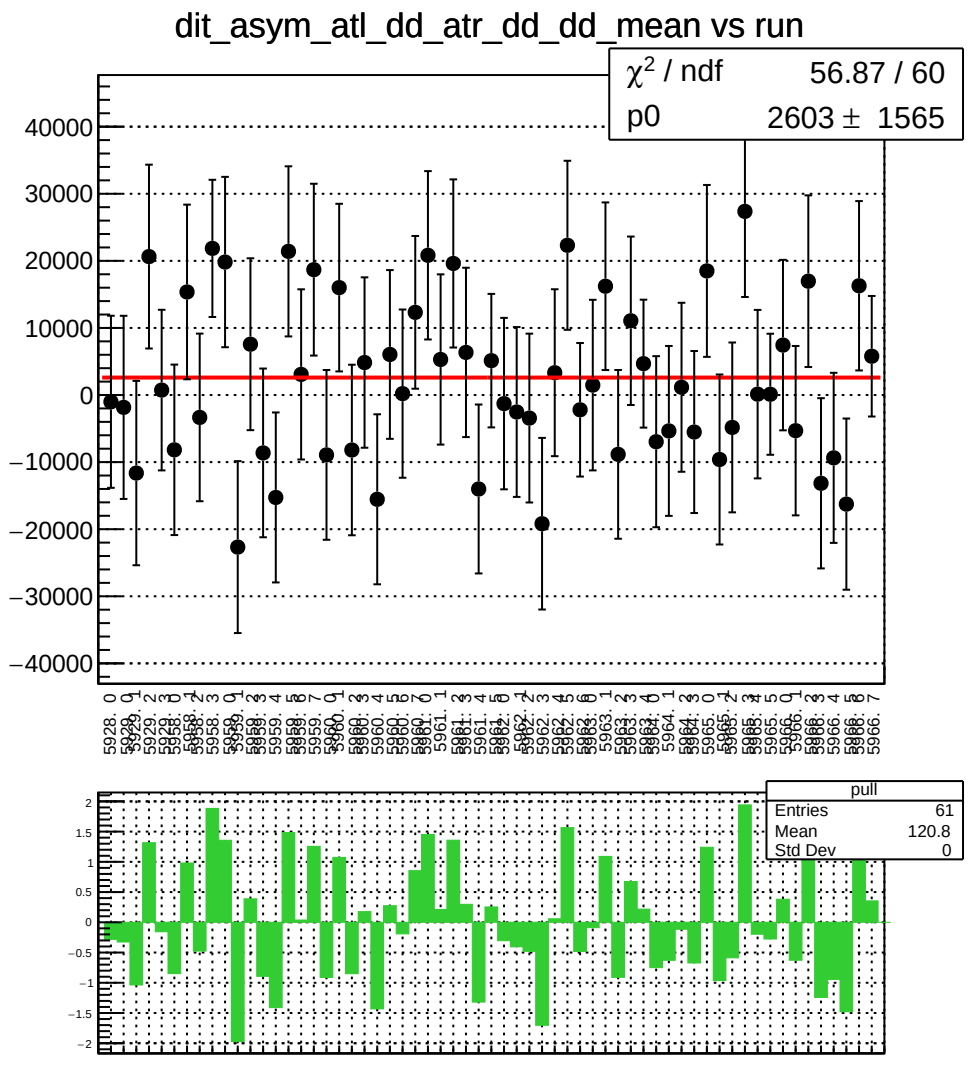

pull1D
Entries 61
Mean −0.009638
Std Dev 0.9658

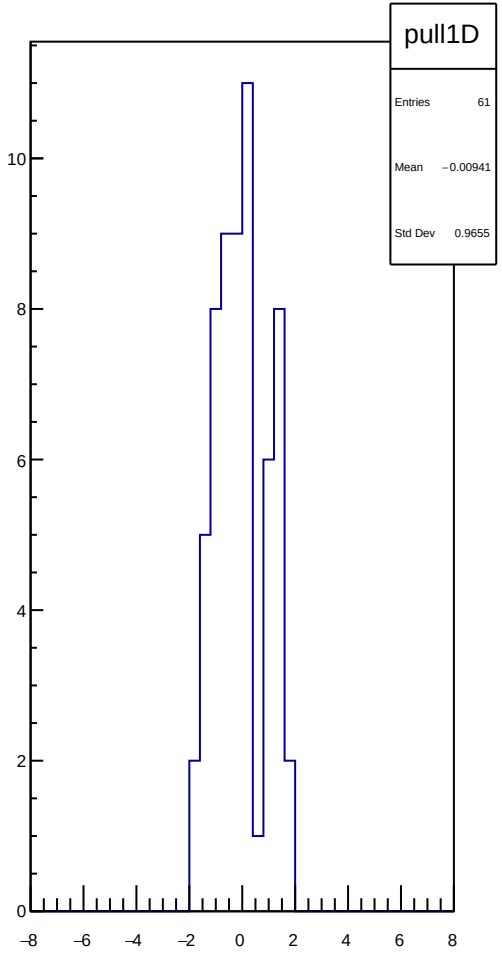

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

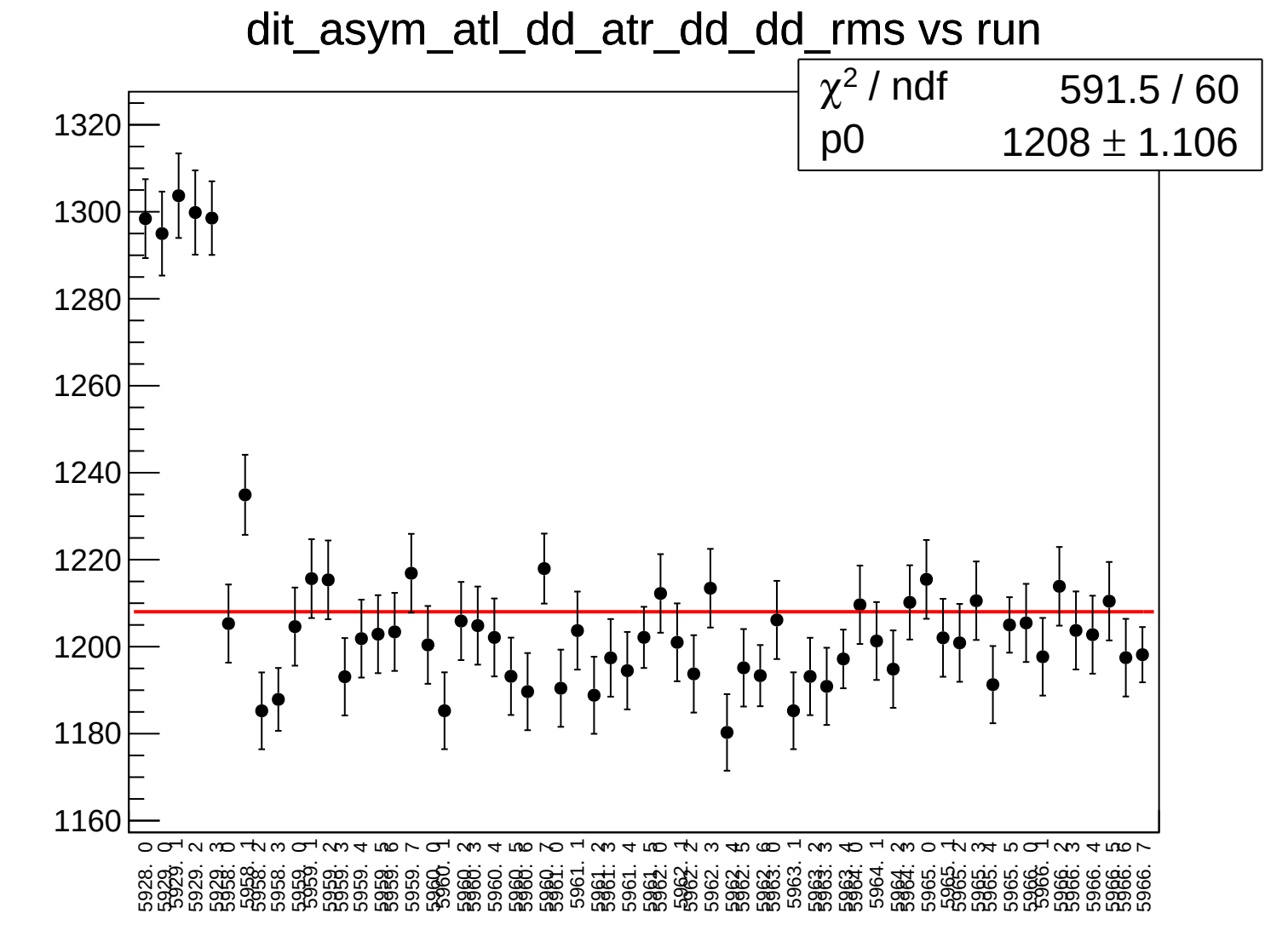

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 89.39
Std Dev 0
2
1
0
−1
−2
−3

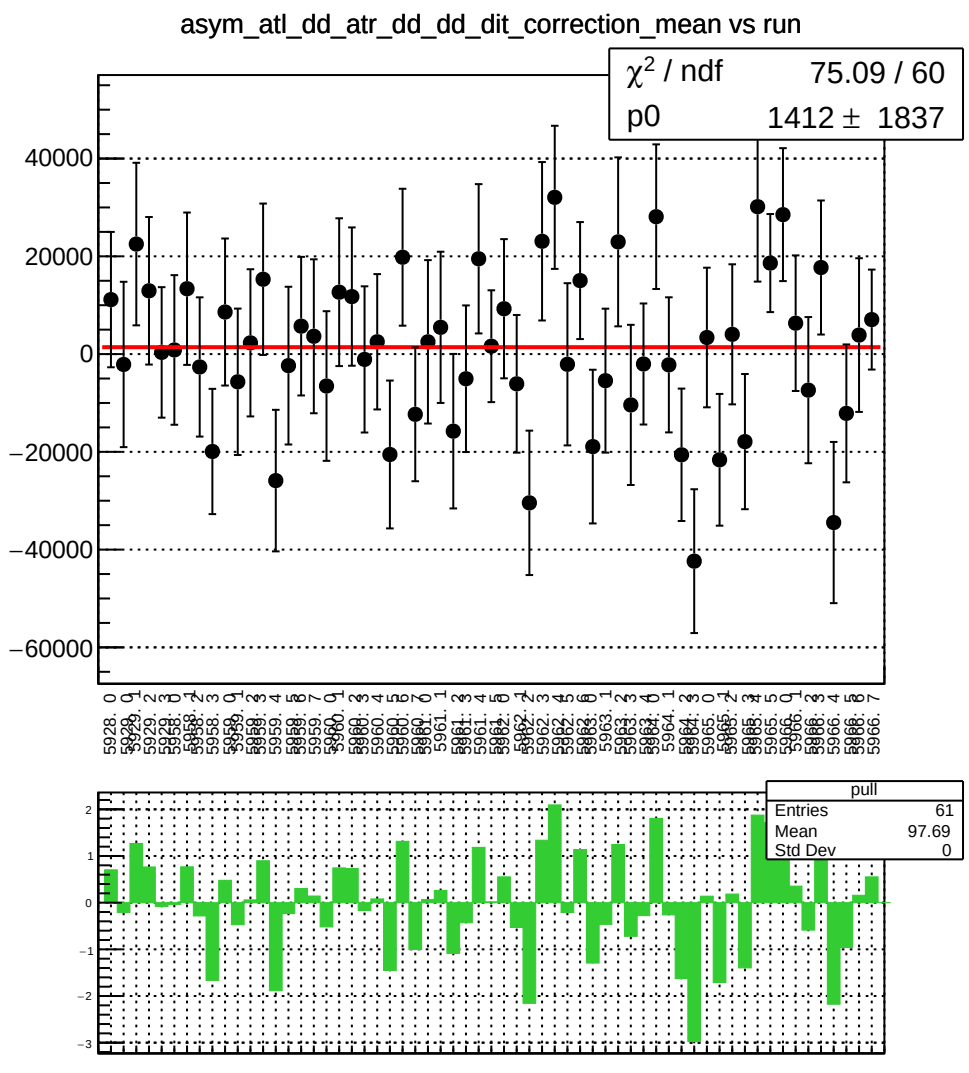

pull1D
Entries 61
Mean −0.01348
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

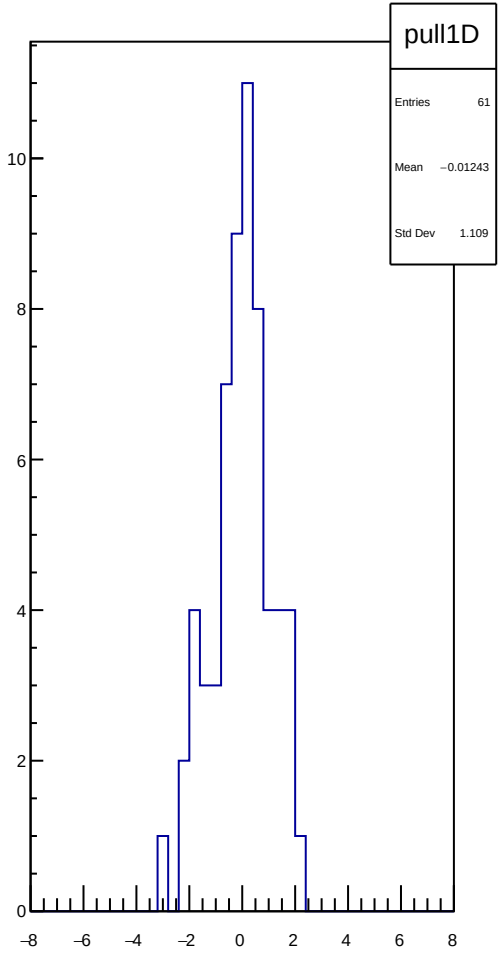

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4142 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

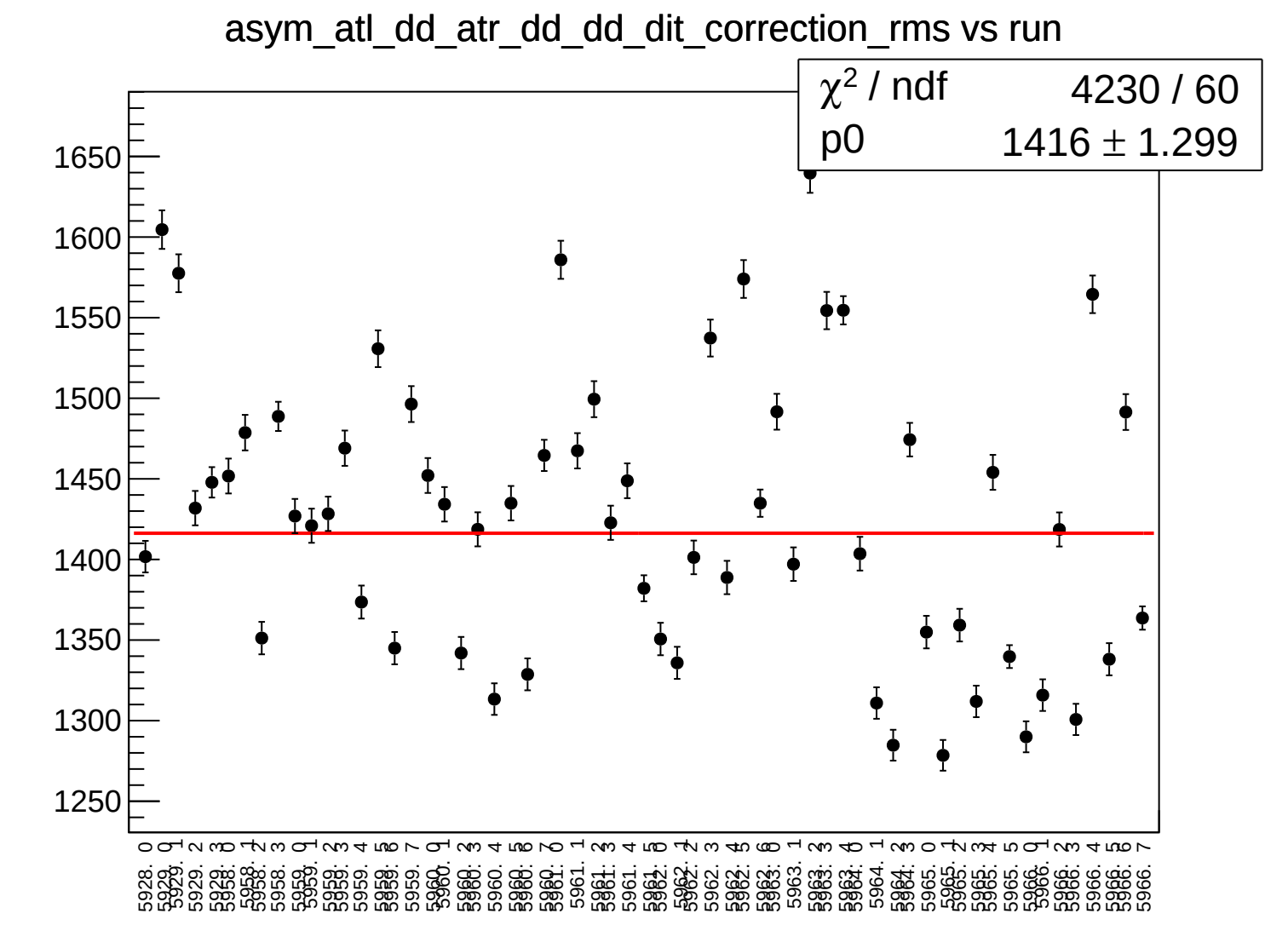

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.87 / 60
p0 2603 ± 1565
pull
Entries 61
Mean 120.8
Std Dev 0

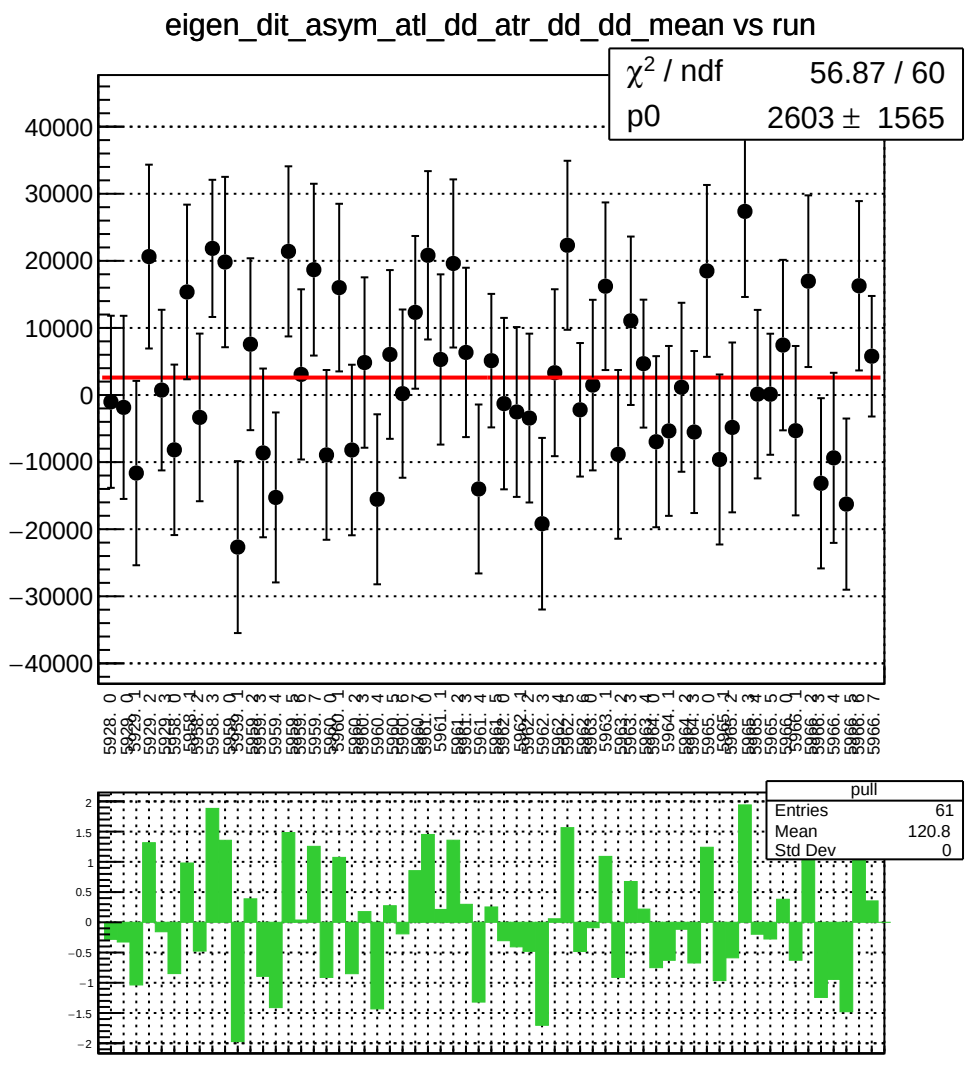

pull1D
Entries 61
Mean −0.00941
Std Dev 0.9655

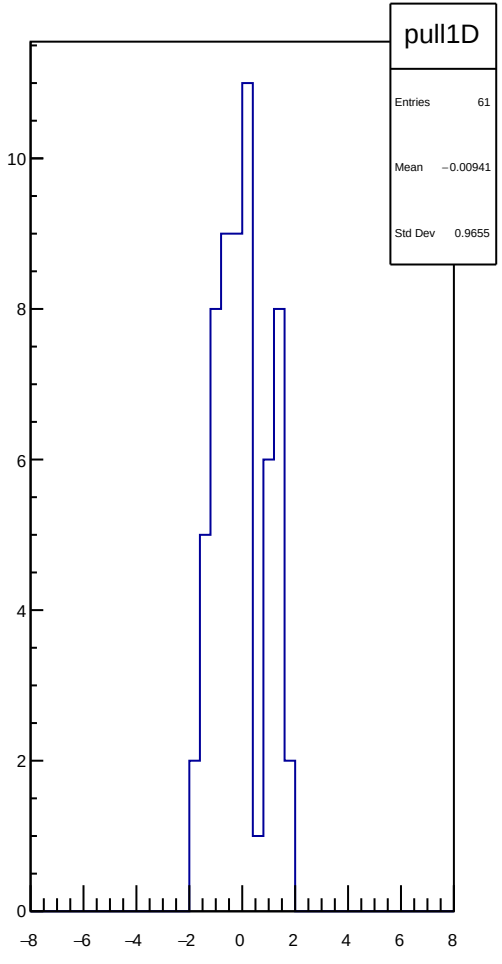

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 591.5 / 60
p0 1208 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

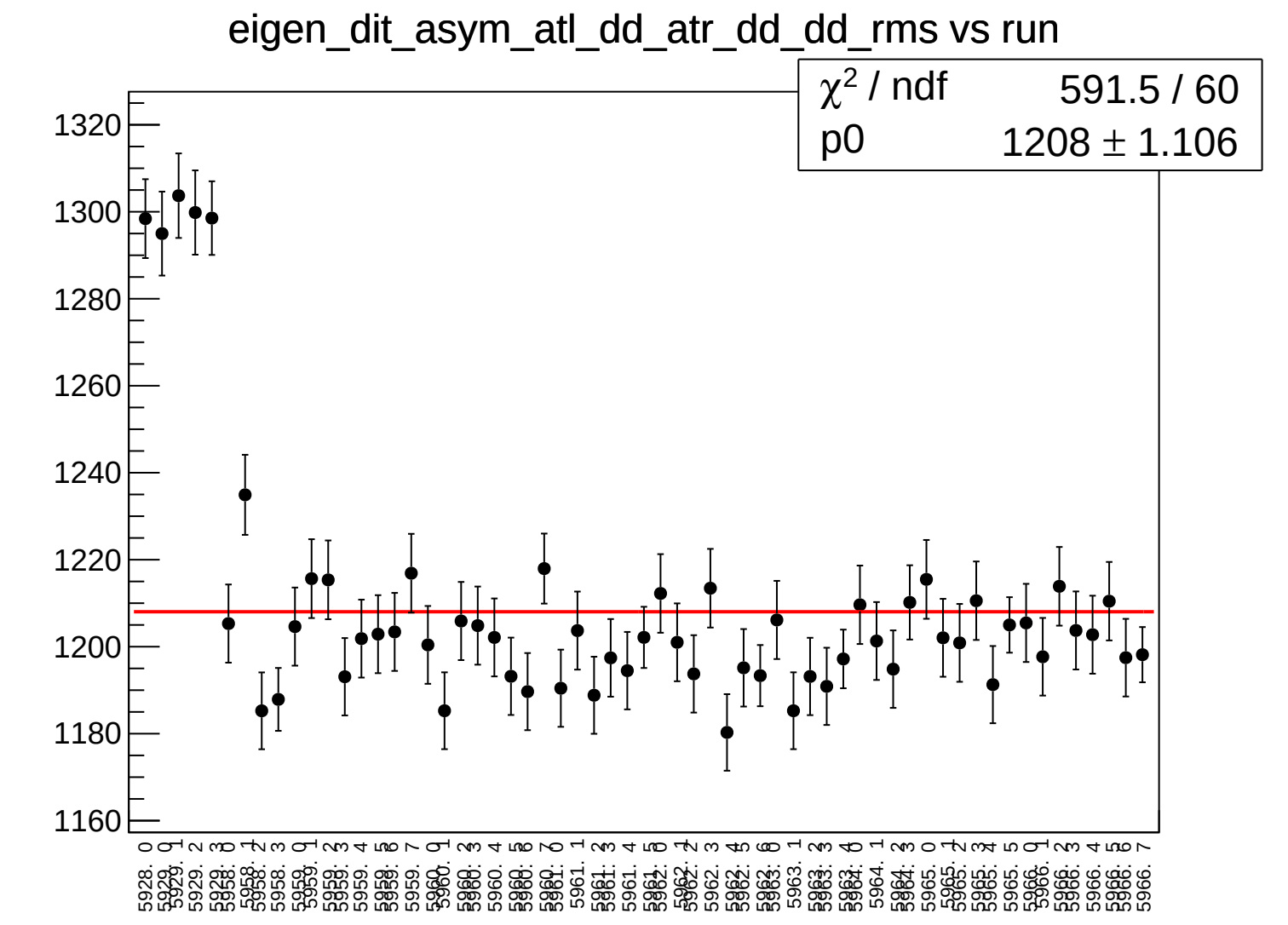

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 75.09 / 60
p0 1412 ± 1837
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 97.69
Std Dev 0
2
1
0
−1
−2
−3

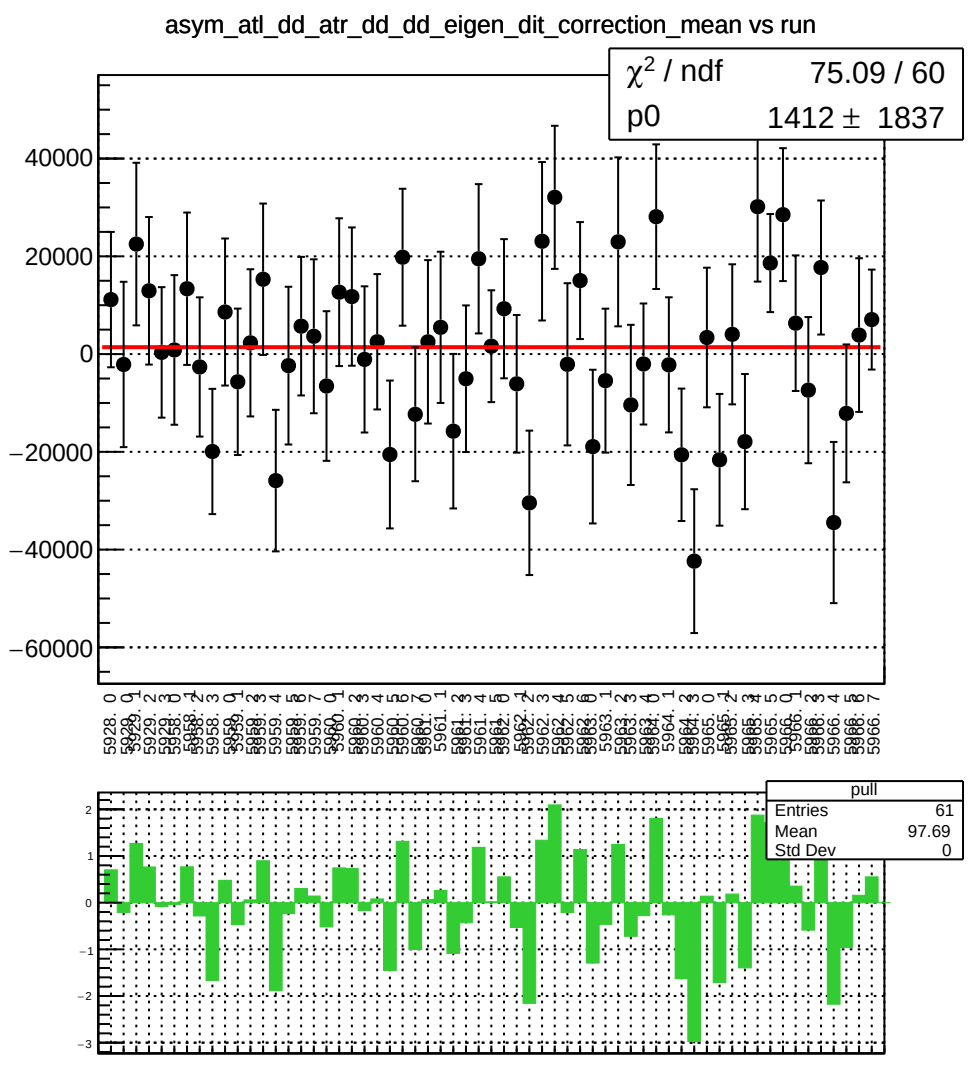

pull1D
Entries 61
Mean −0.01243
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

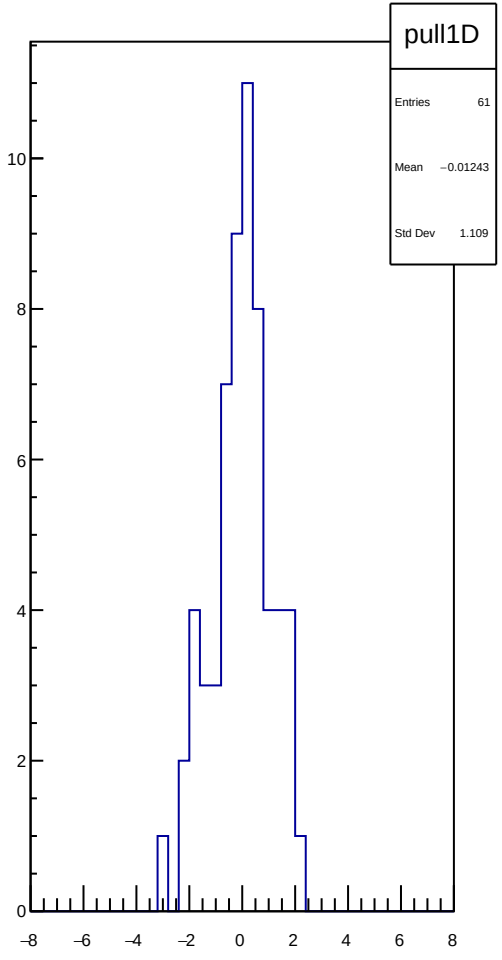

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 4230 / 60
p0 1416 ± 1.299
1650
1600
1550
1500
1450
1400
1350
1300
1250

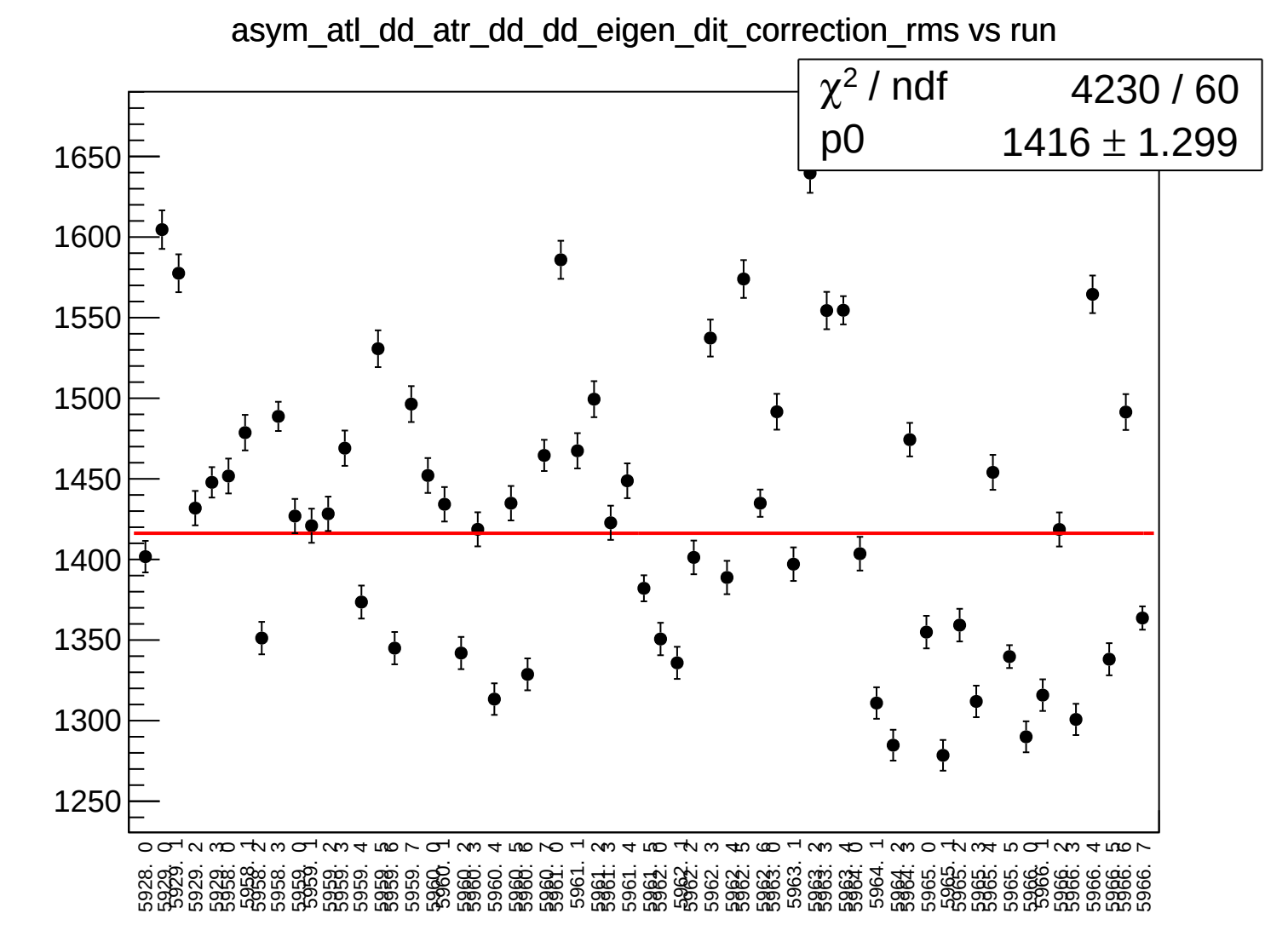

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.87 / 60
p0 2603 ± 1565
pull
Entries 61
Mean 120.8
Std Dev 0

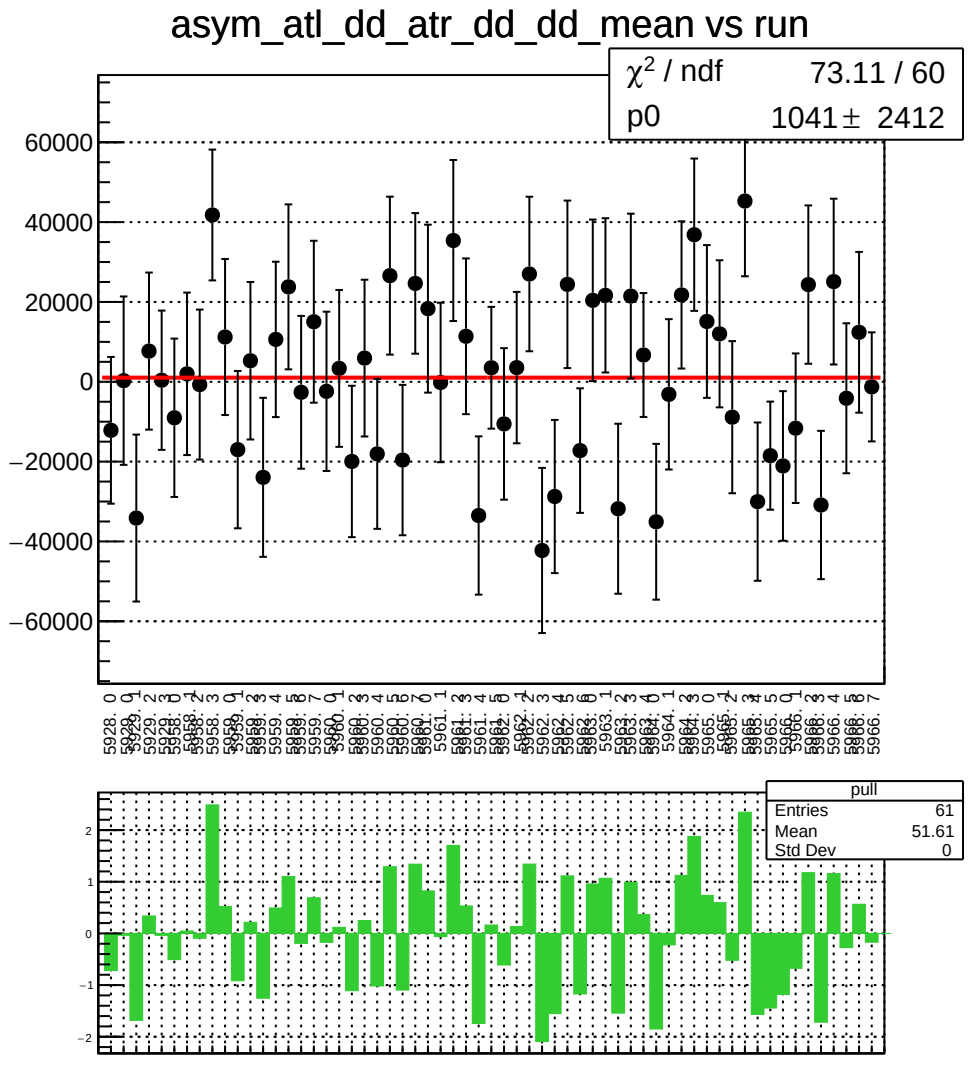

pull1D
Entries 61
Mean −0.00941
Std Dev 0.9655

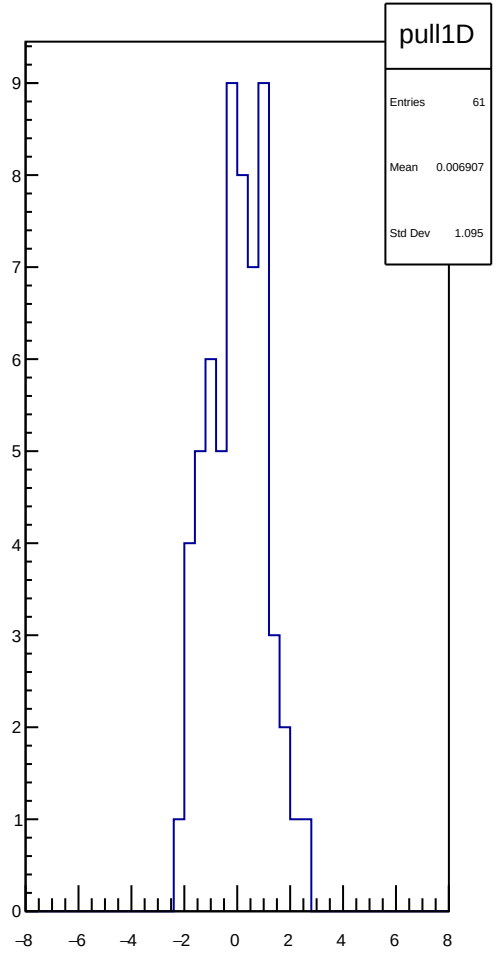

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 591.5 / 60
p0 1208 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

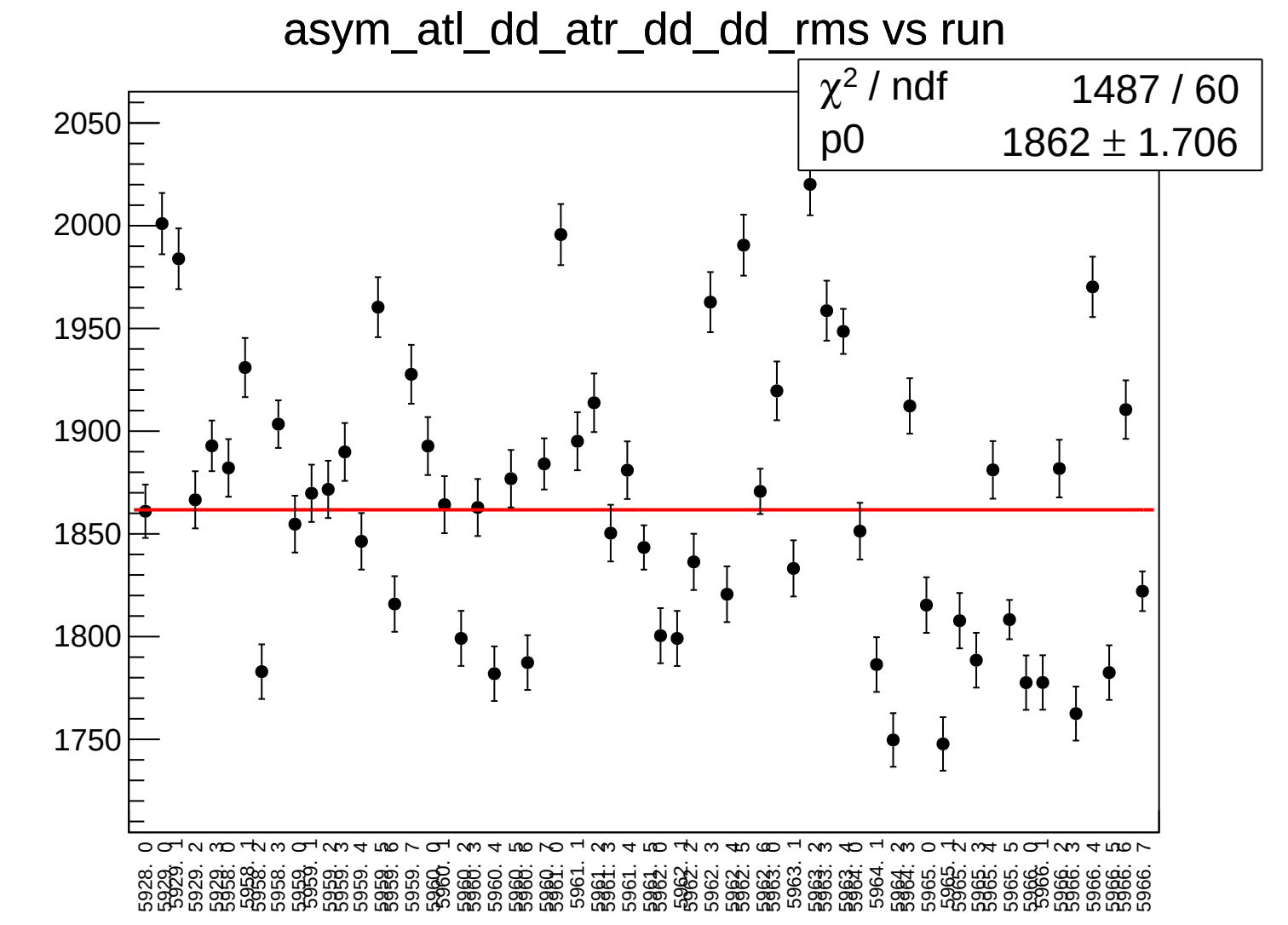

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.09 / 60
p0 1412 ± 1837
pull
Entries 61
Mean 97.69
Std Dev 0

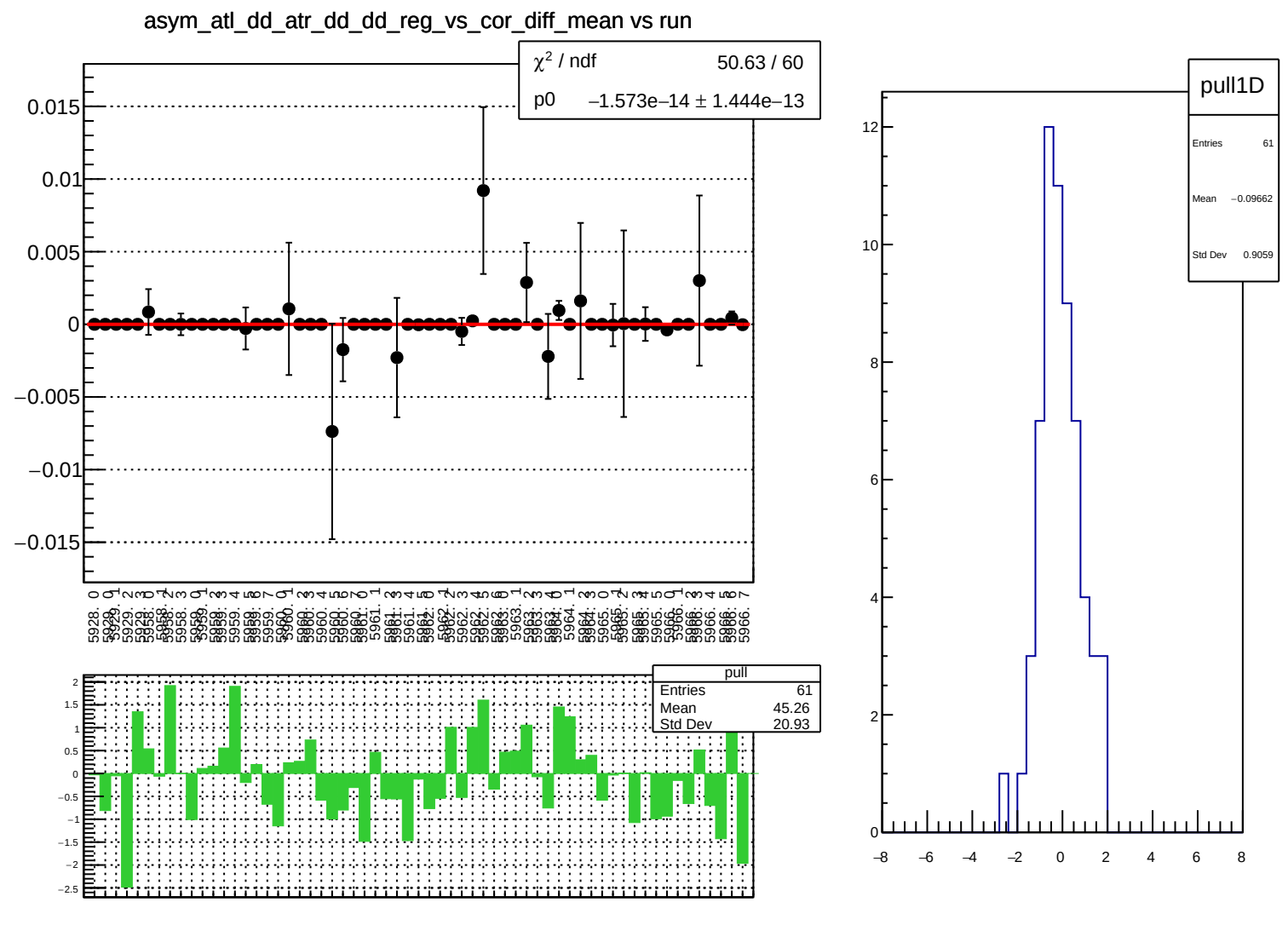

pull1D
Entries 61
Mean −0.01243
Std Dev 1.109

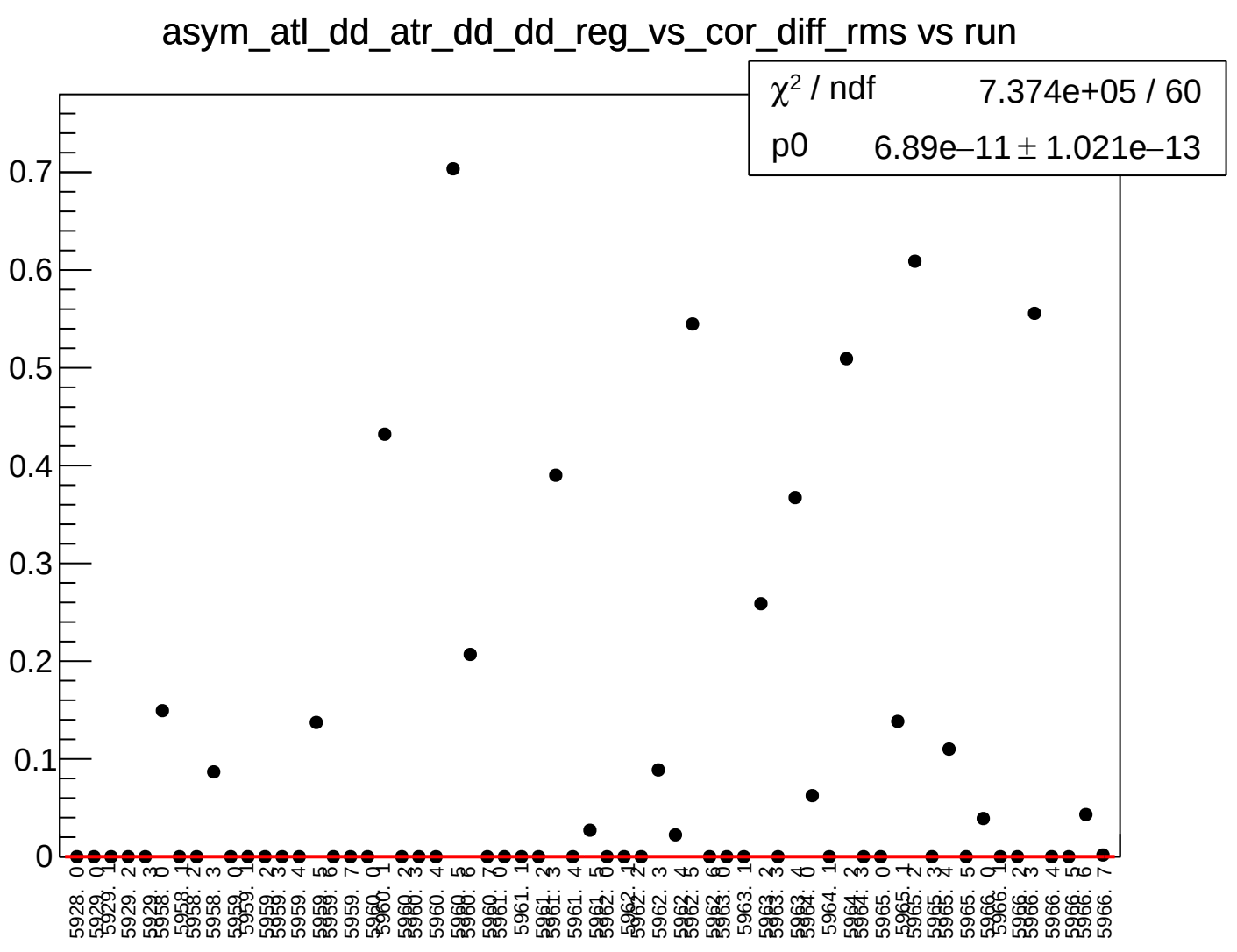

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4230 / 60
p0 1416 ± 1.299
1650
1600
1550
1500
1450
1400
1350
1300
1250

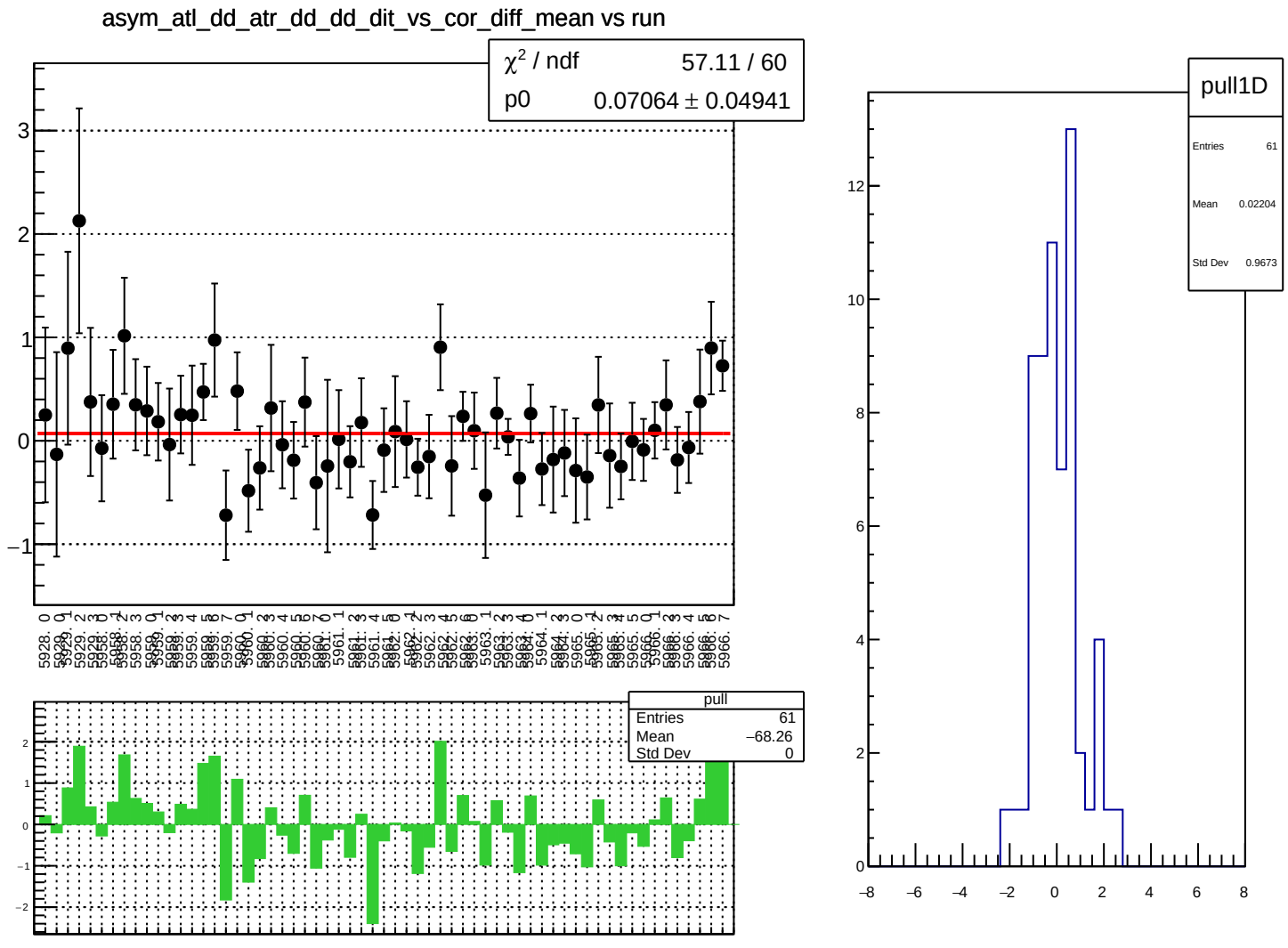

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 73.11 / 60
p0 1041 ± 2412
pull
Entries 61
Mean 51.61
Std Dev 0

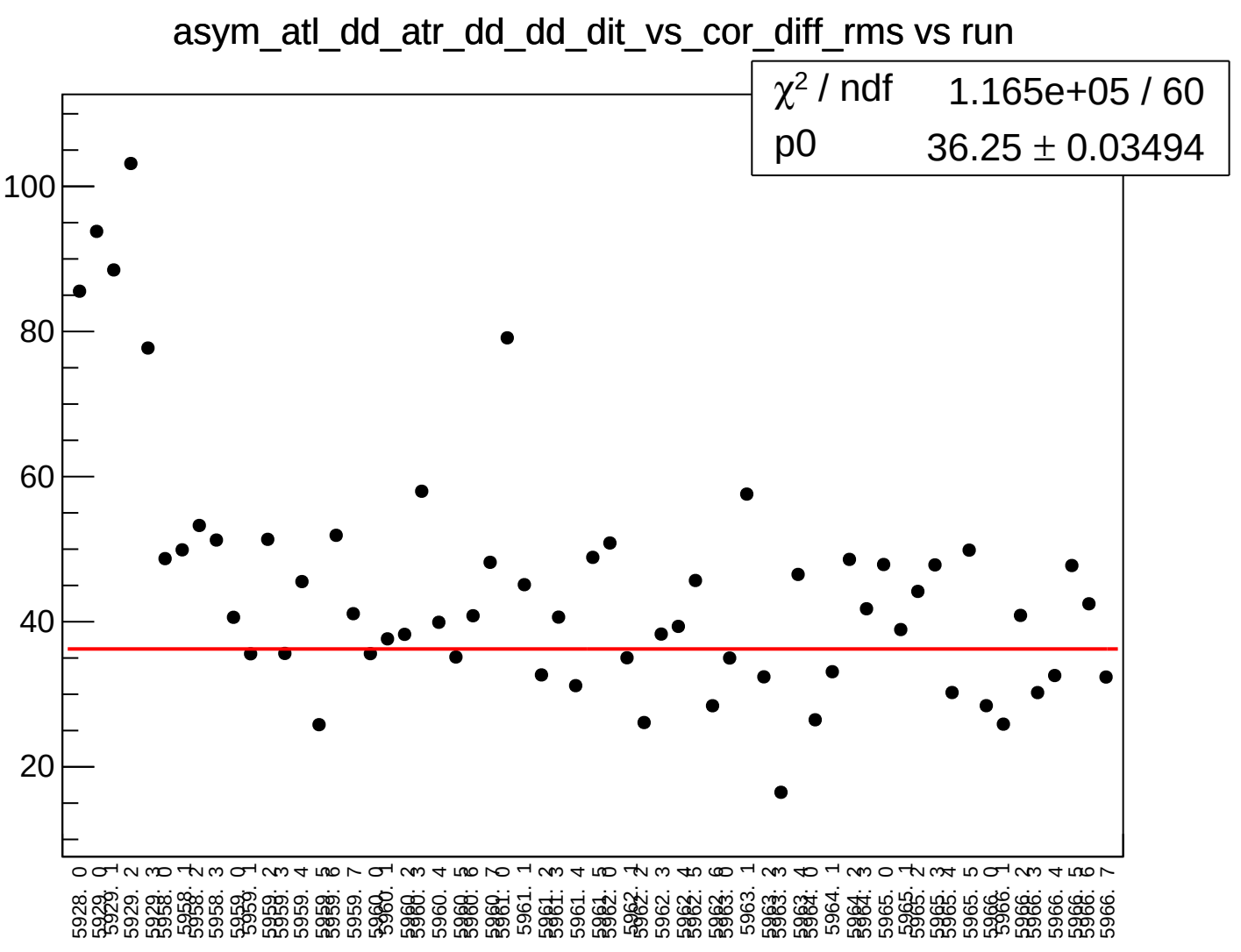

pull1D
Entries 61
Mean 0.006907
Std Dev 1.095

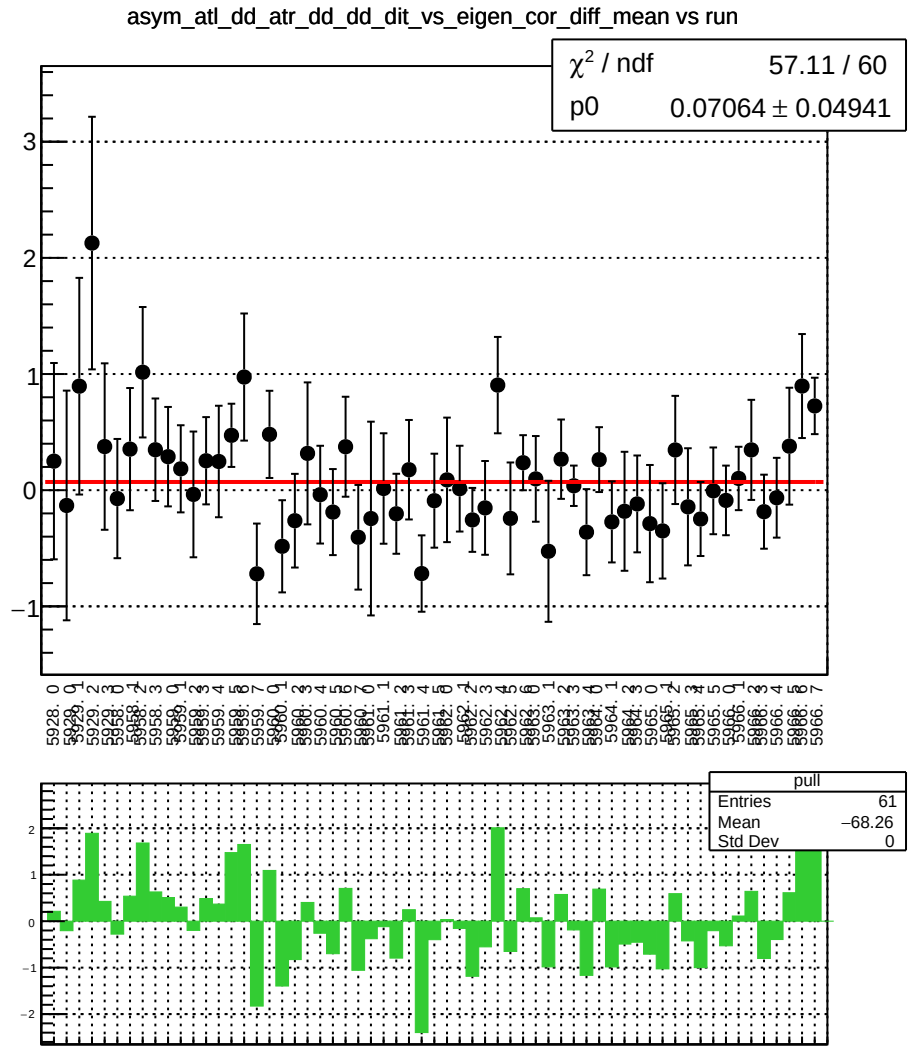

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1487 / 60
p0 1862 ± 1.706
2050
2000
1950
1900
1850
1800
1750

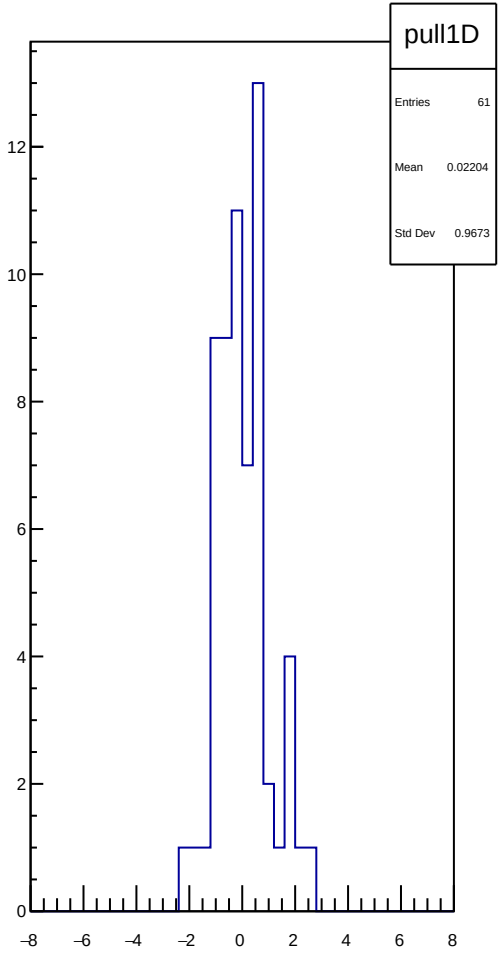

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.63 / 60
p0 −1.573e−14 ± 1.444e−13
pull
Entries 61
Mean 45.26
Std Dev 20.93
pull1D
Entries 61
Mean −0.09662
Std Dev 0.9059

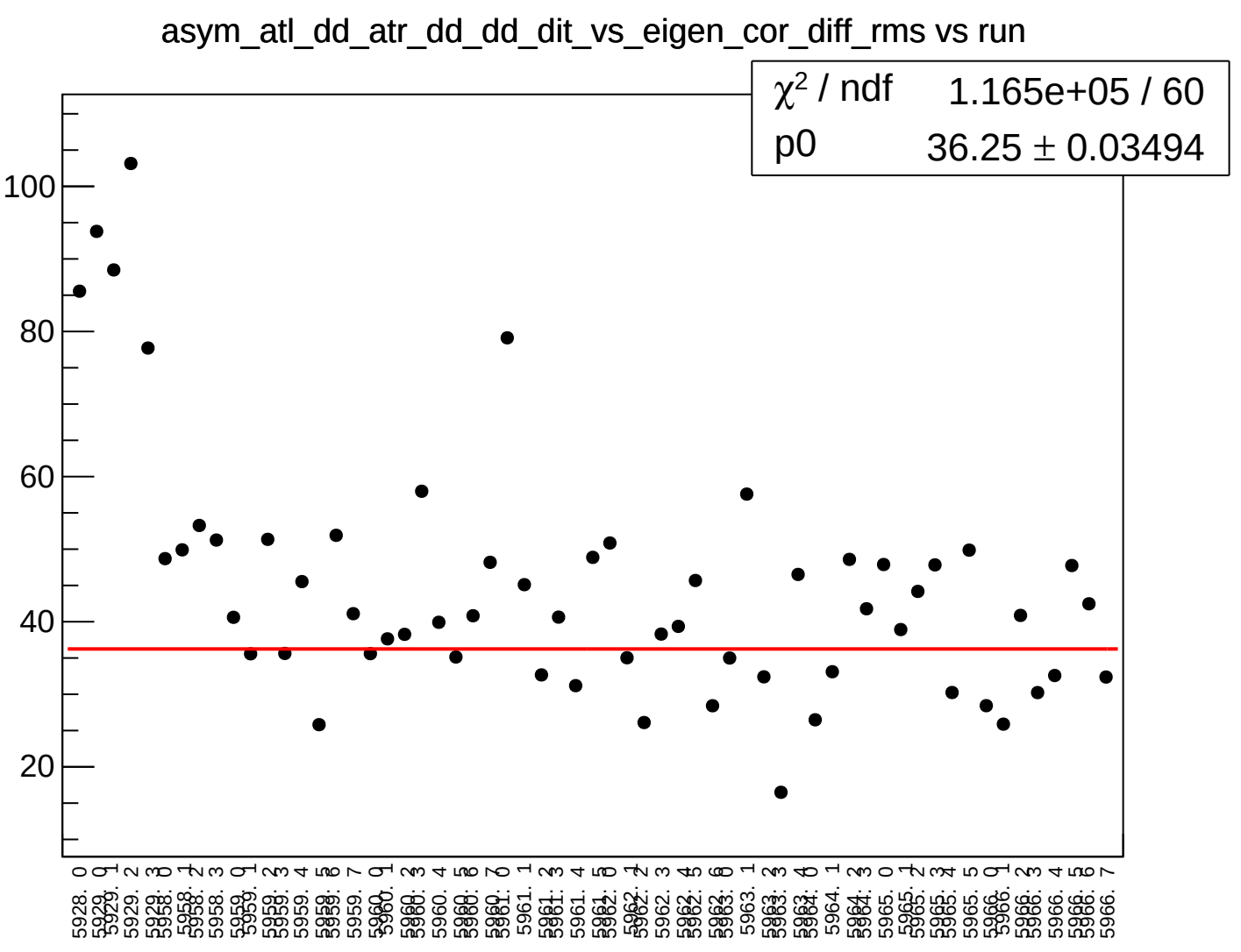

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.374e+05 / 60
p0 6.89e−11 ± 1.021e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

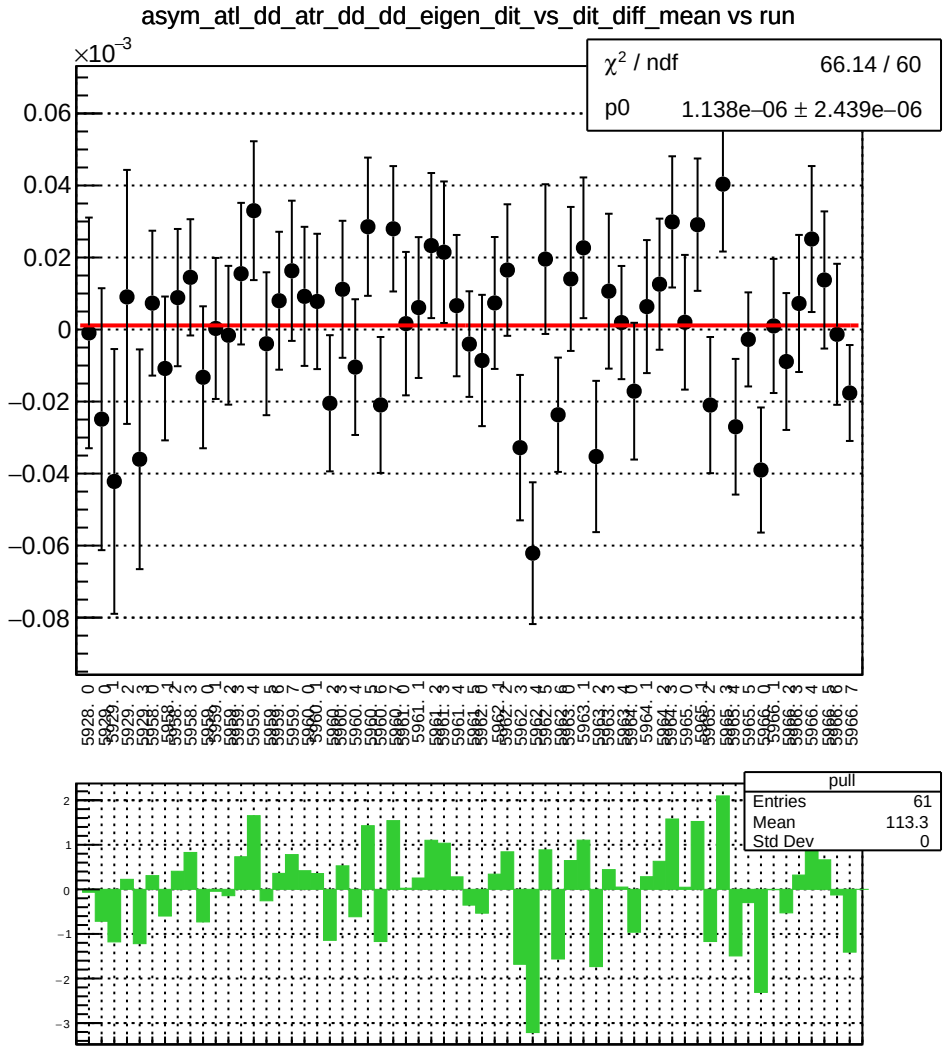

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.11 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.26
Std Dev 0
pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

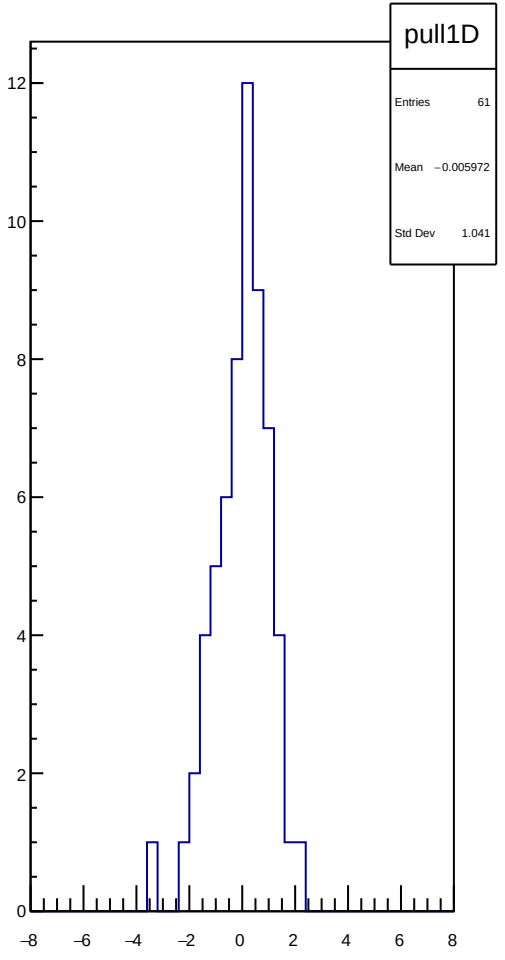

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

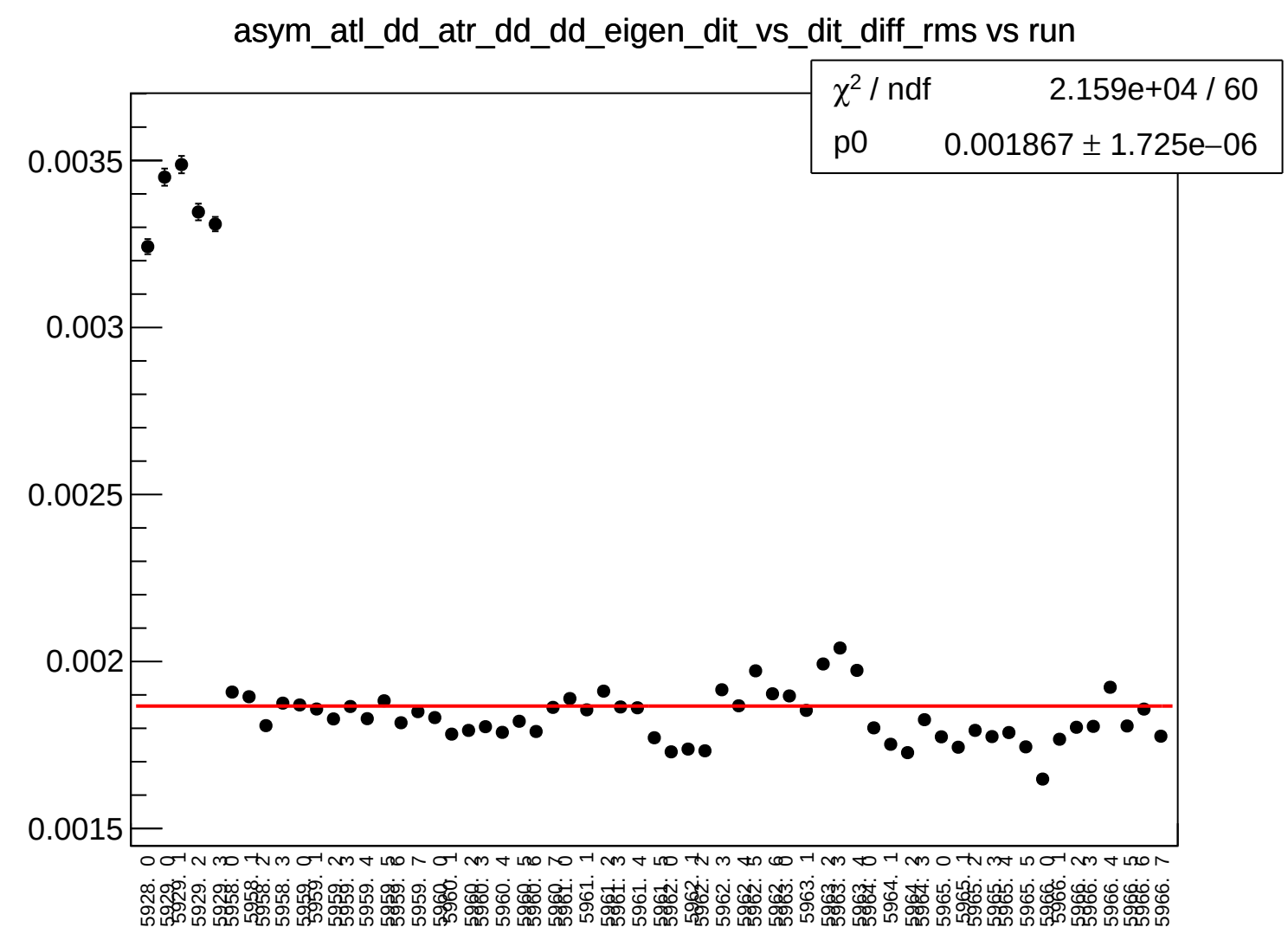

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.11 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.26
Std Dev 0

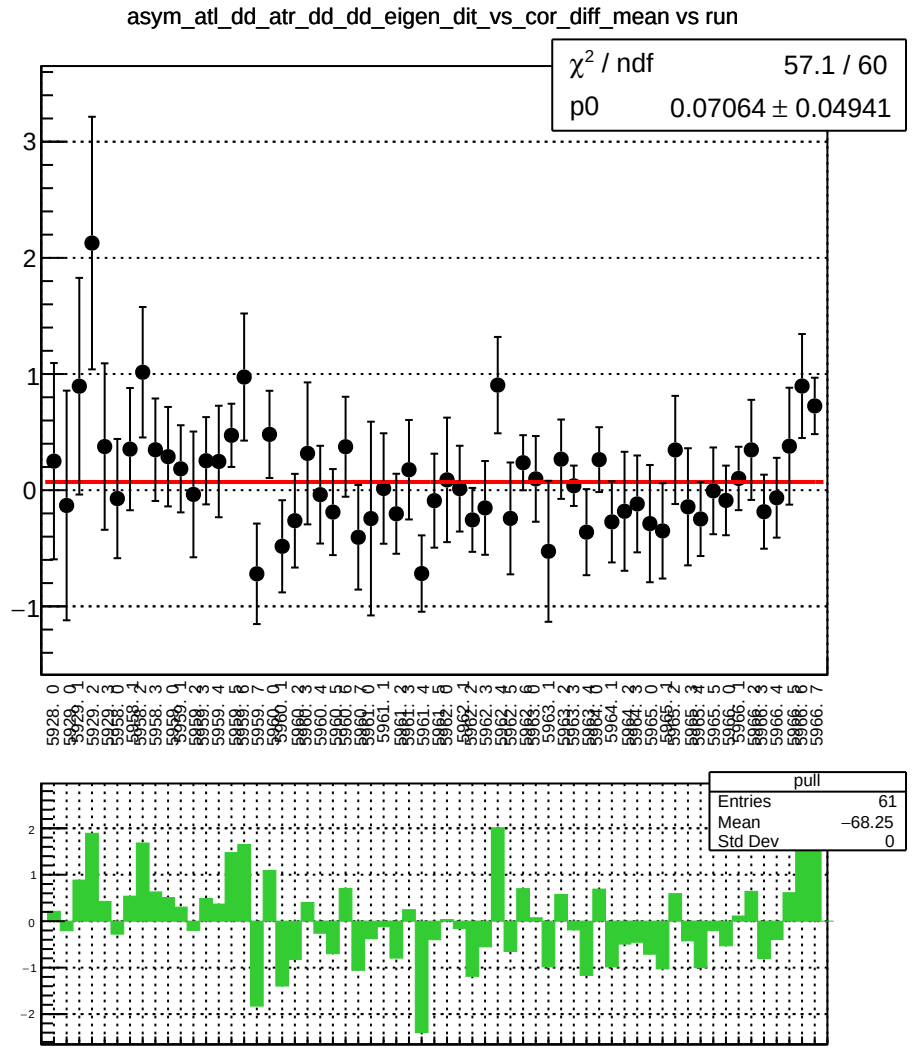

pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

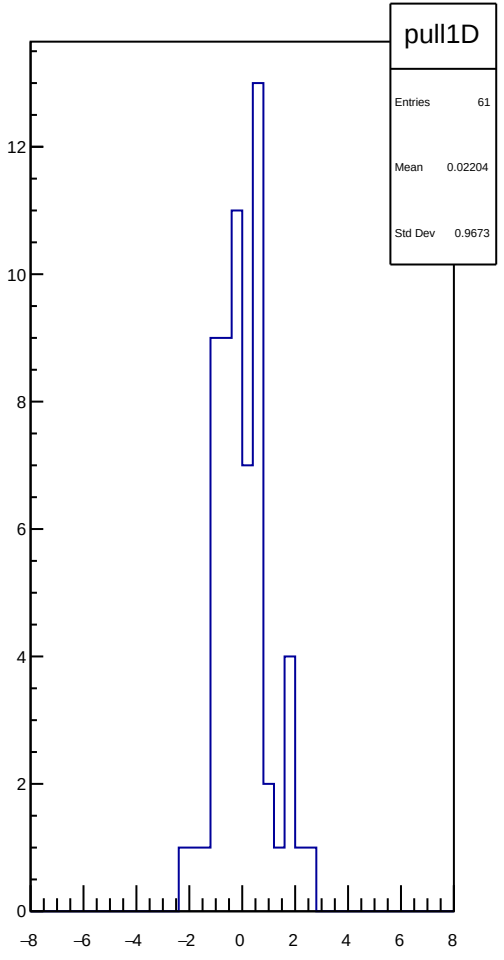

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

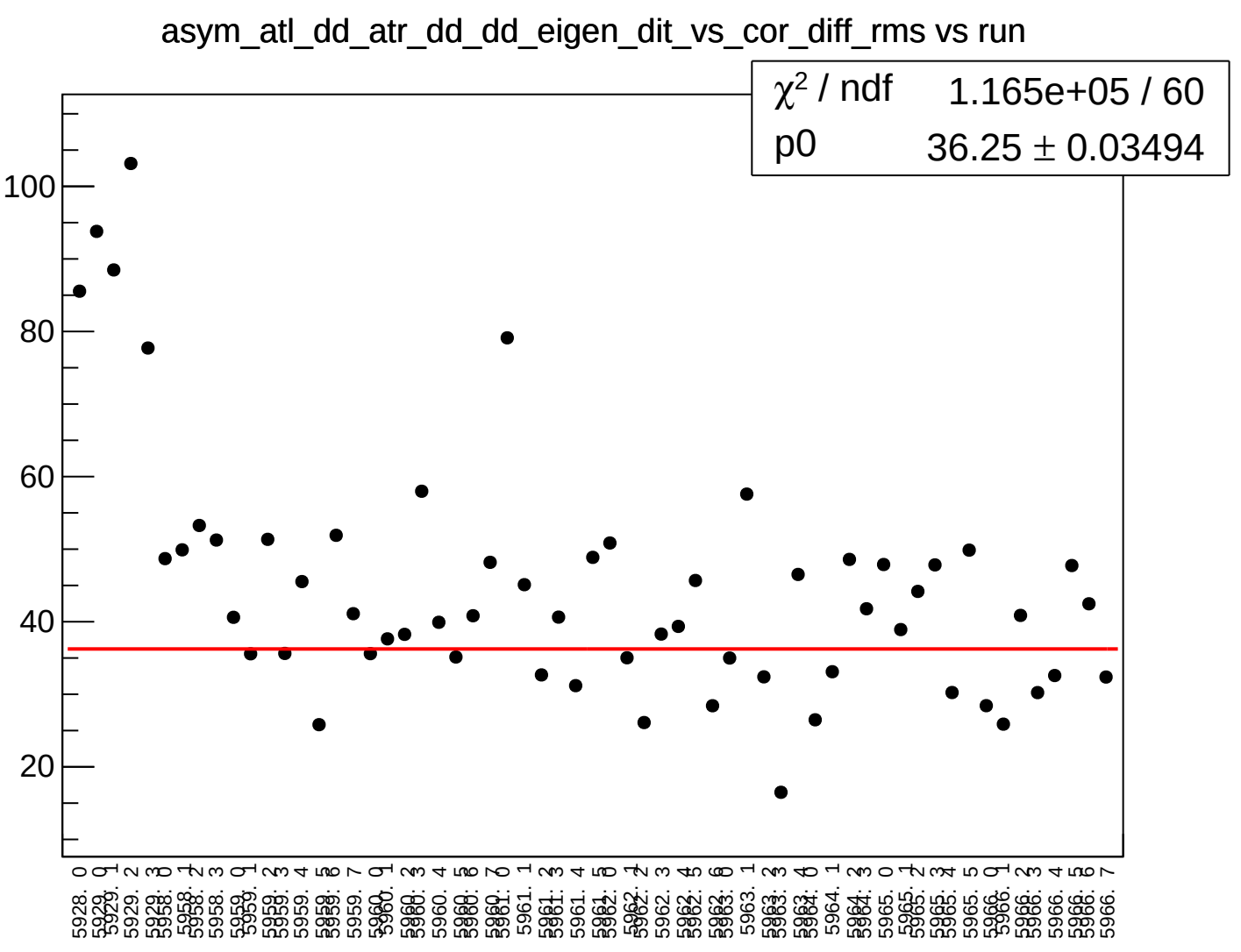

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 66.14 / 60
p0 1.138e−06 ± 2.439e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 61
Mean 113.3
Std Dev 0
2
1
0
−1
−2
−3

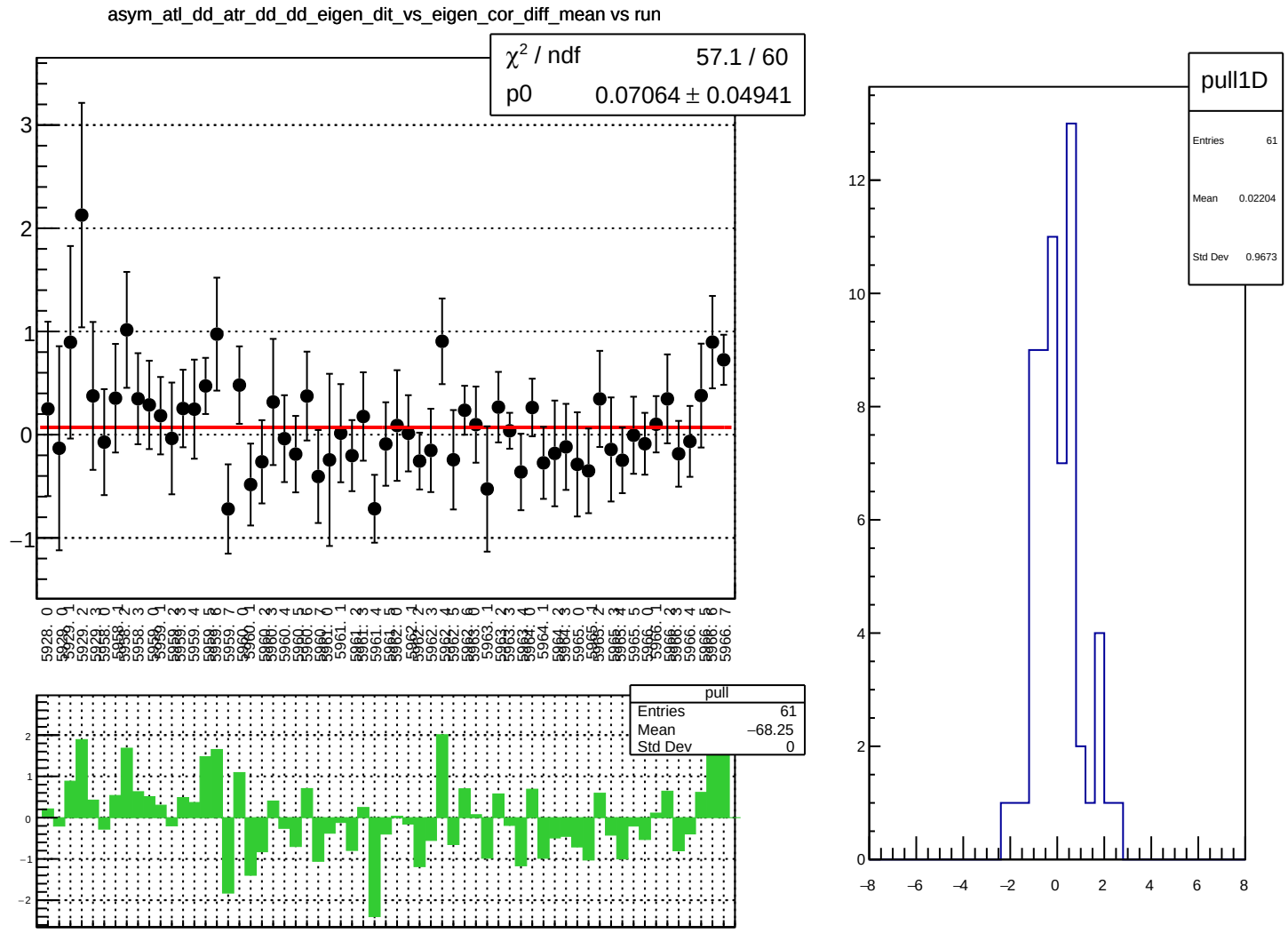

pull1D
Entries 61
Mean −0.005972
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

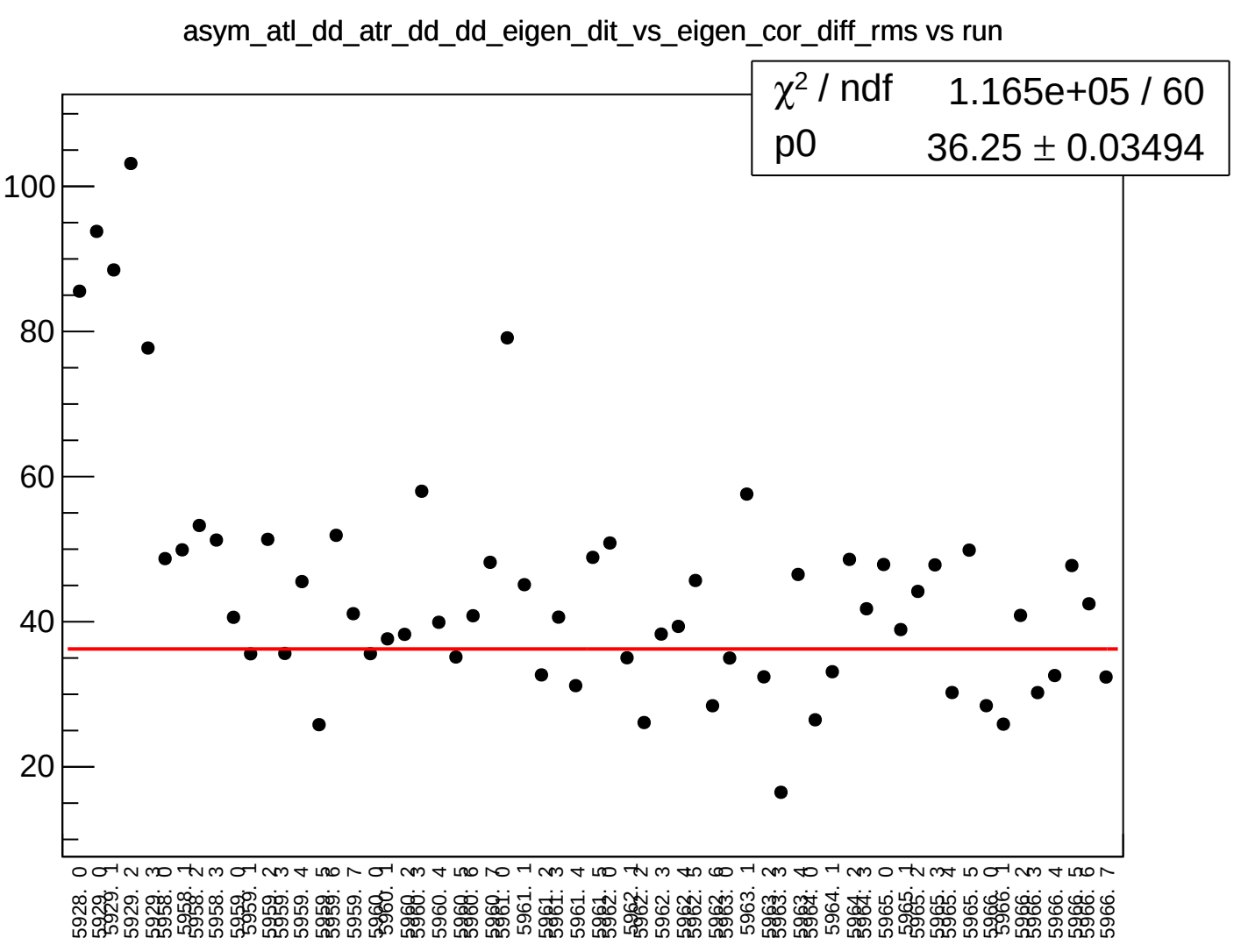

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.159e+04 / 60
p0 0.001867 ± 1.725e−06
0.0035
0.003
0.0025
0.002
0.0015

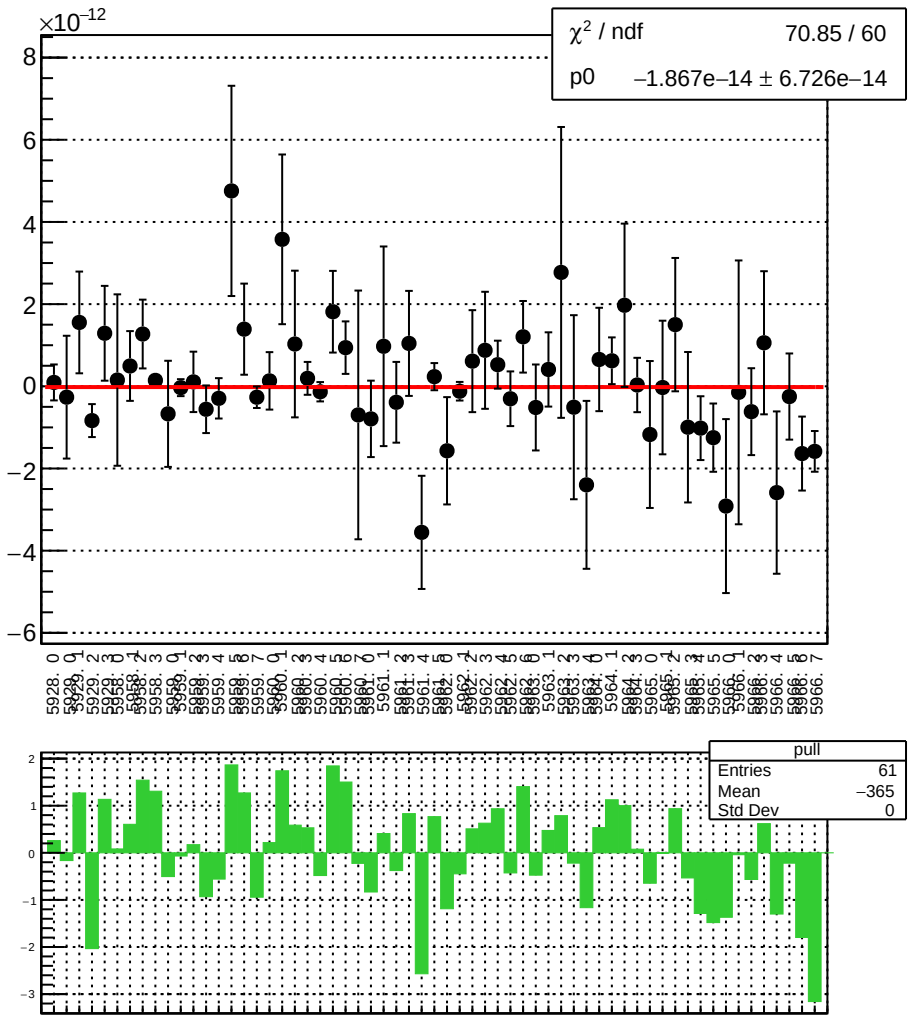

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.1 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.25
Std Dev 0

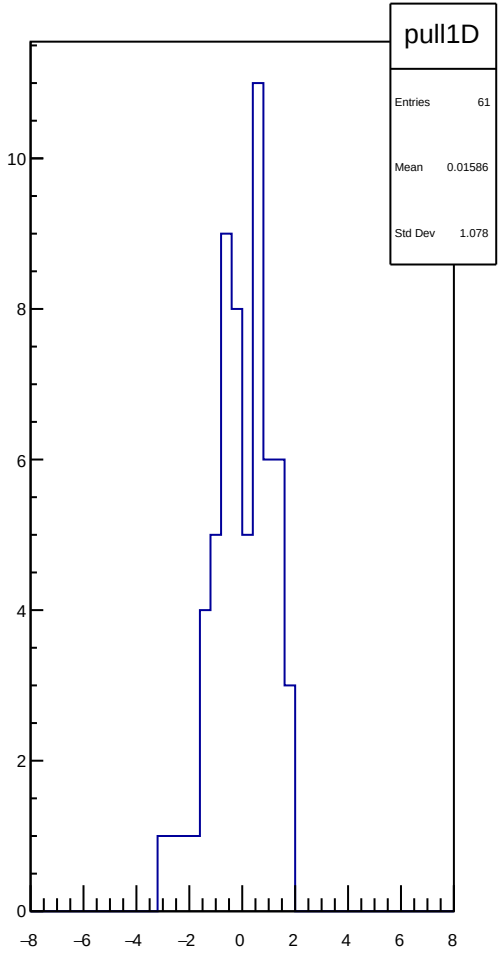

pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

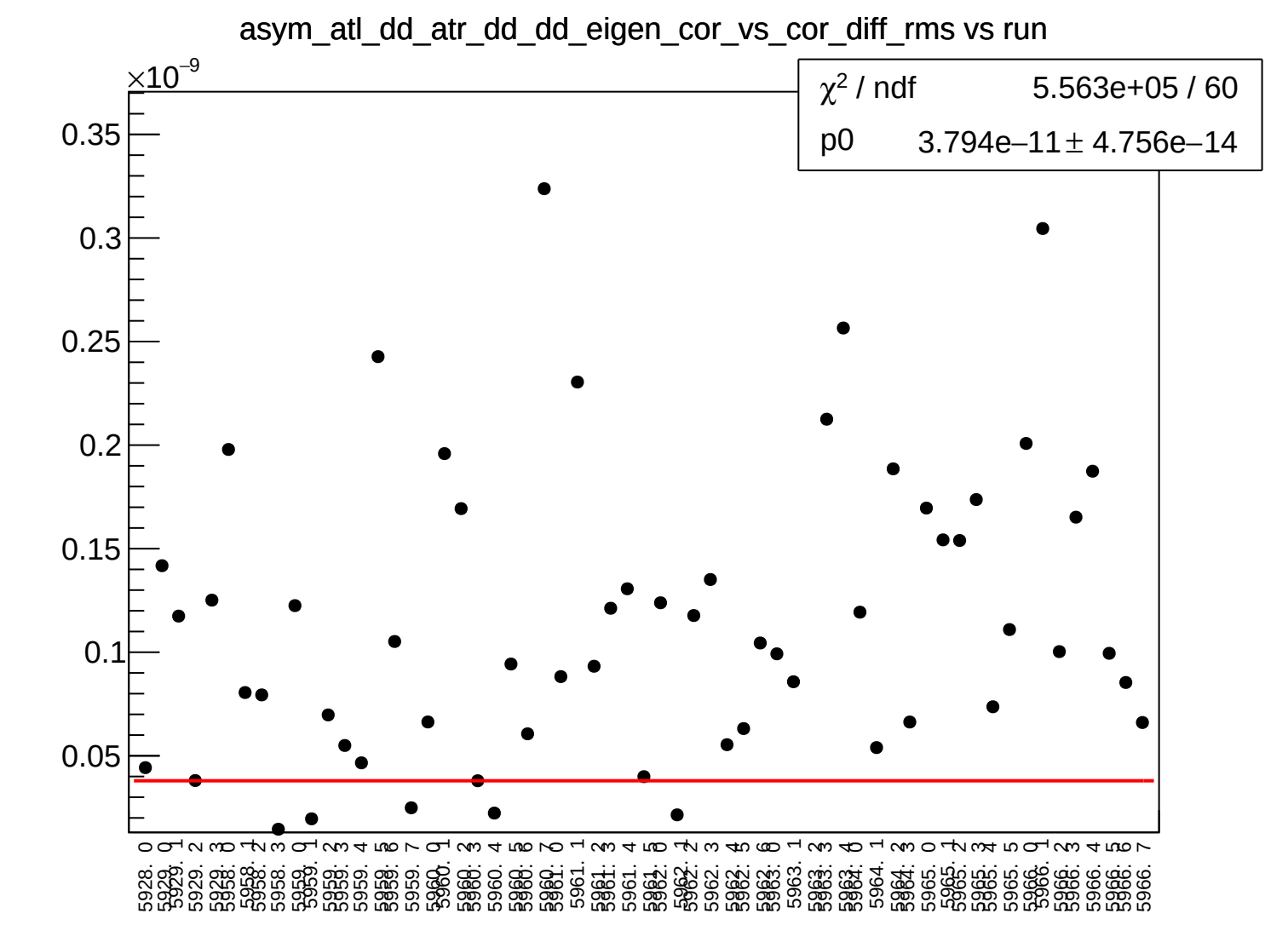

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

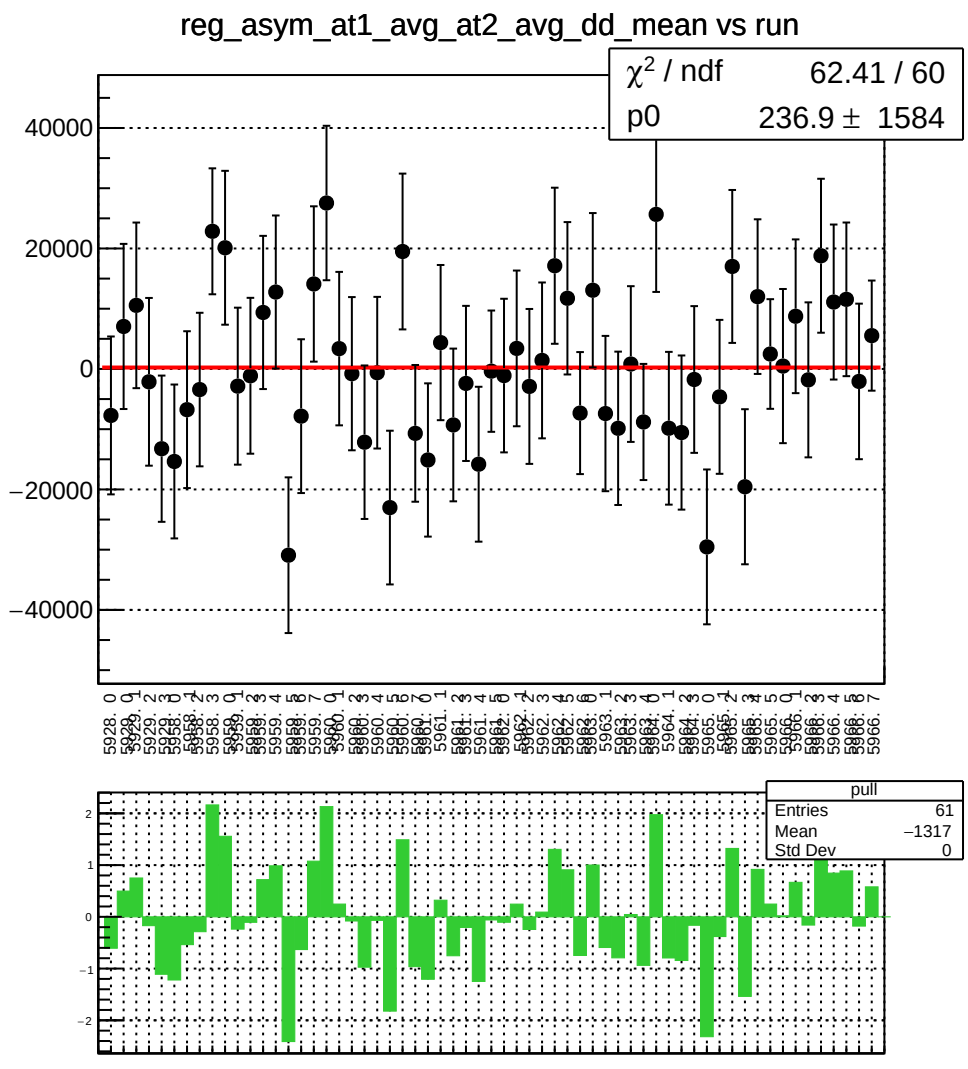

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.1 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.25
Std Dev 0
pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

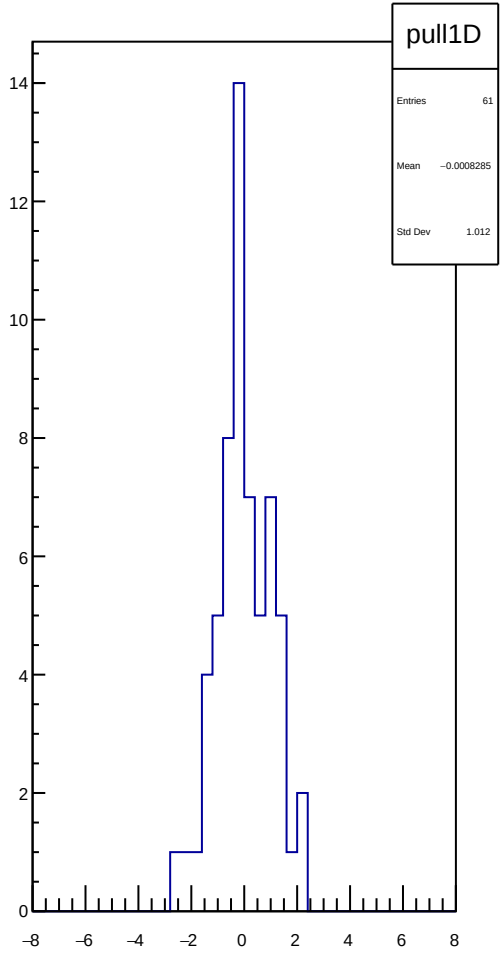

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

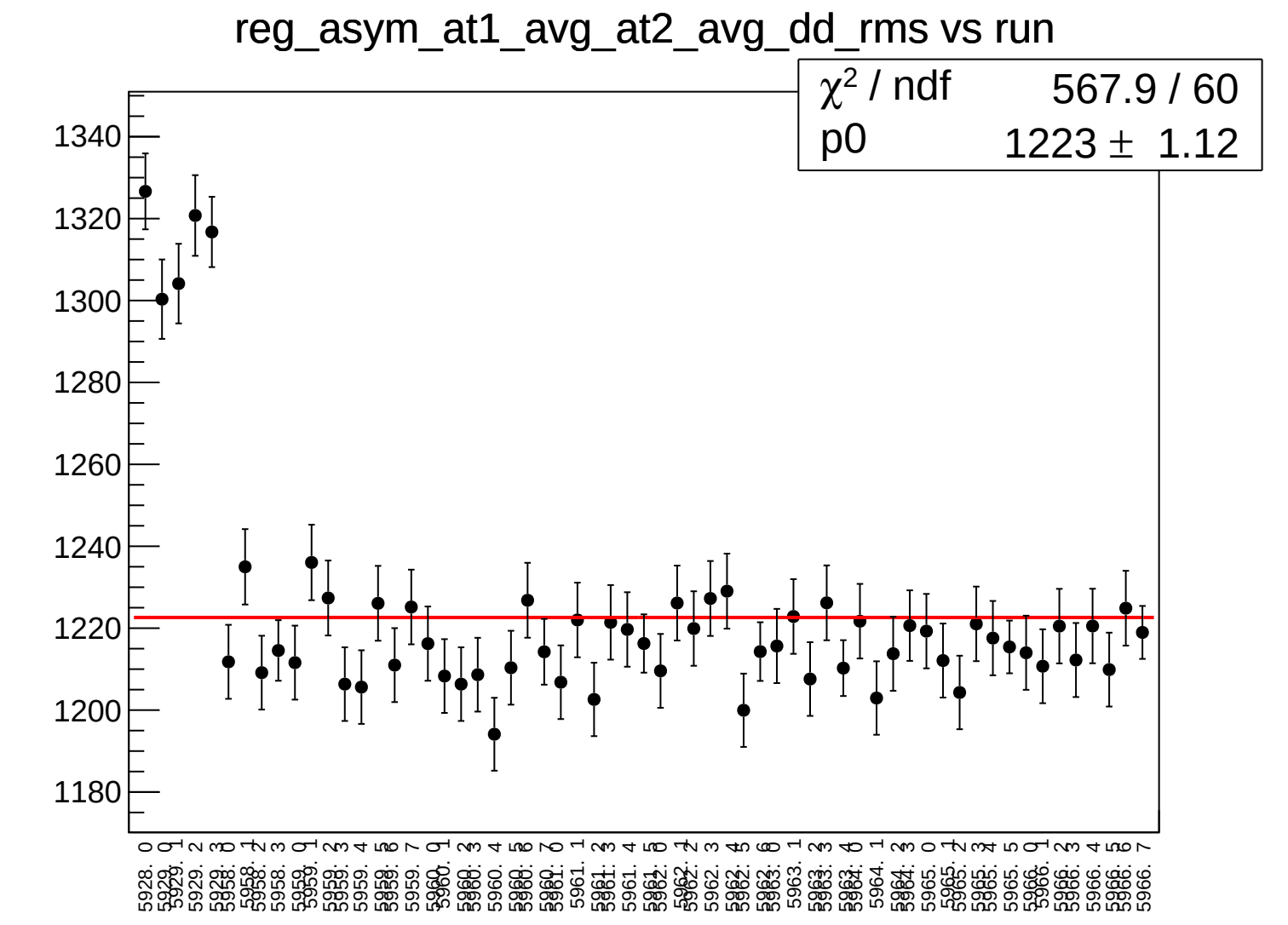

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.85 / 60
p0 −1.867e−14 ± 6.726e−14
pull
Entries 61
Mean −365
Std Dev 0

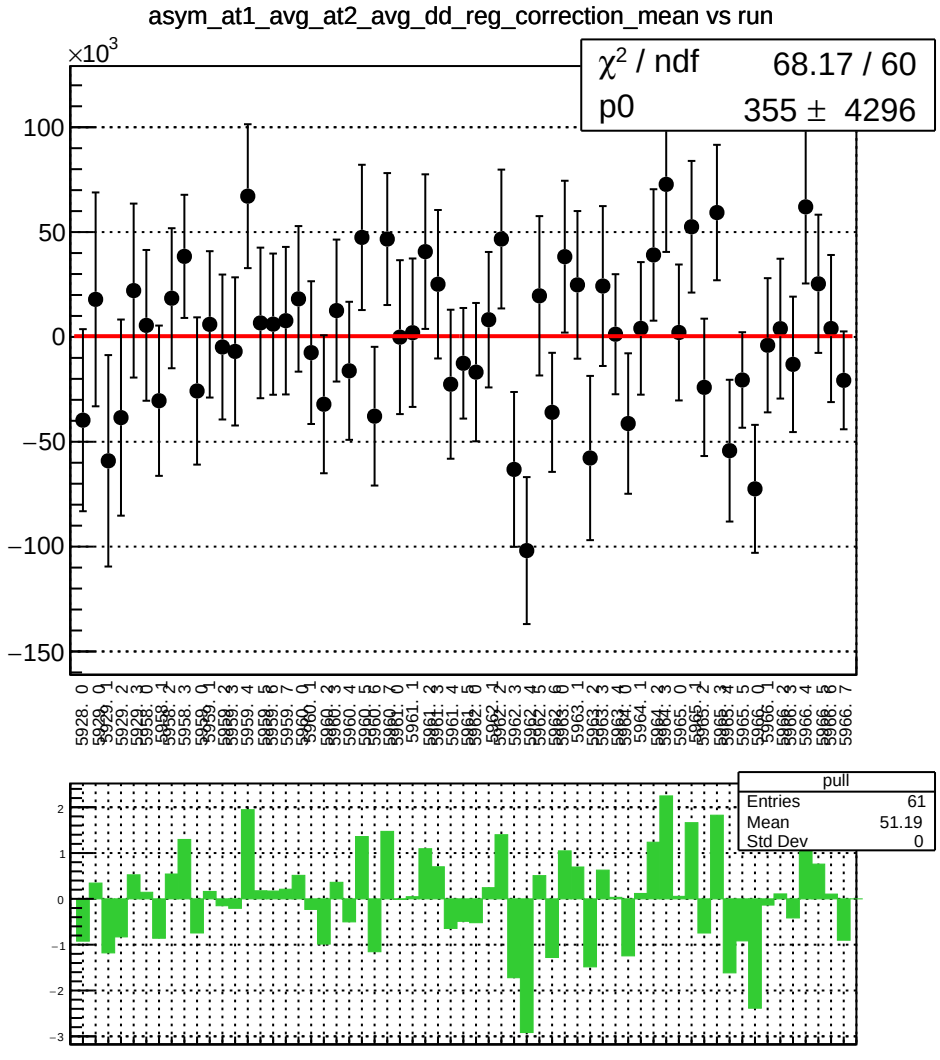

pull1D
Entries 61
Mean 0.01586
Std Dev 1.078

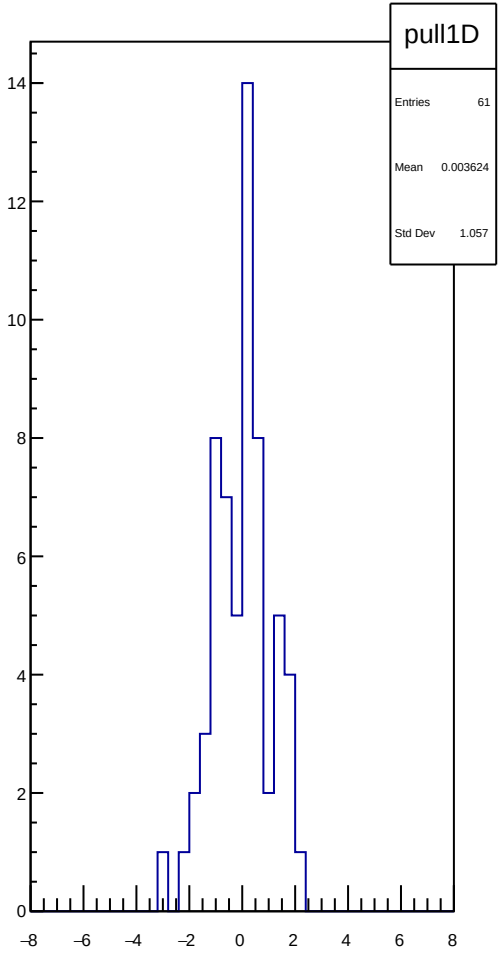

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.563e+05 / 60
p0 3.794e−11 ± 4.756e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

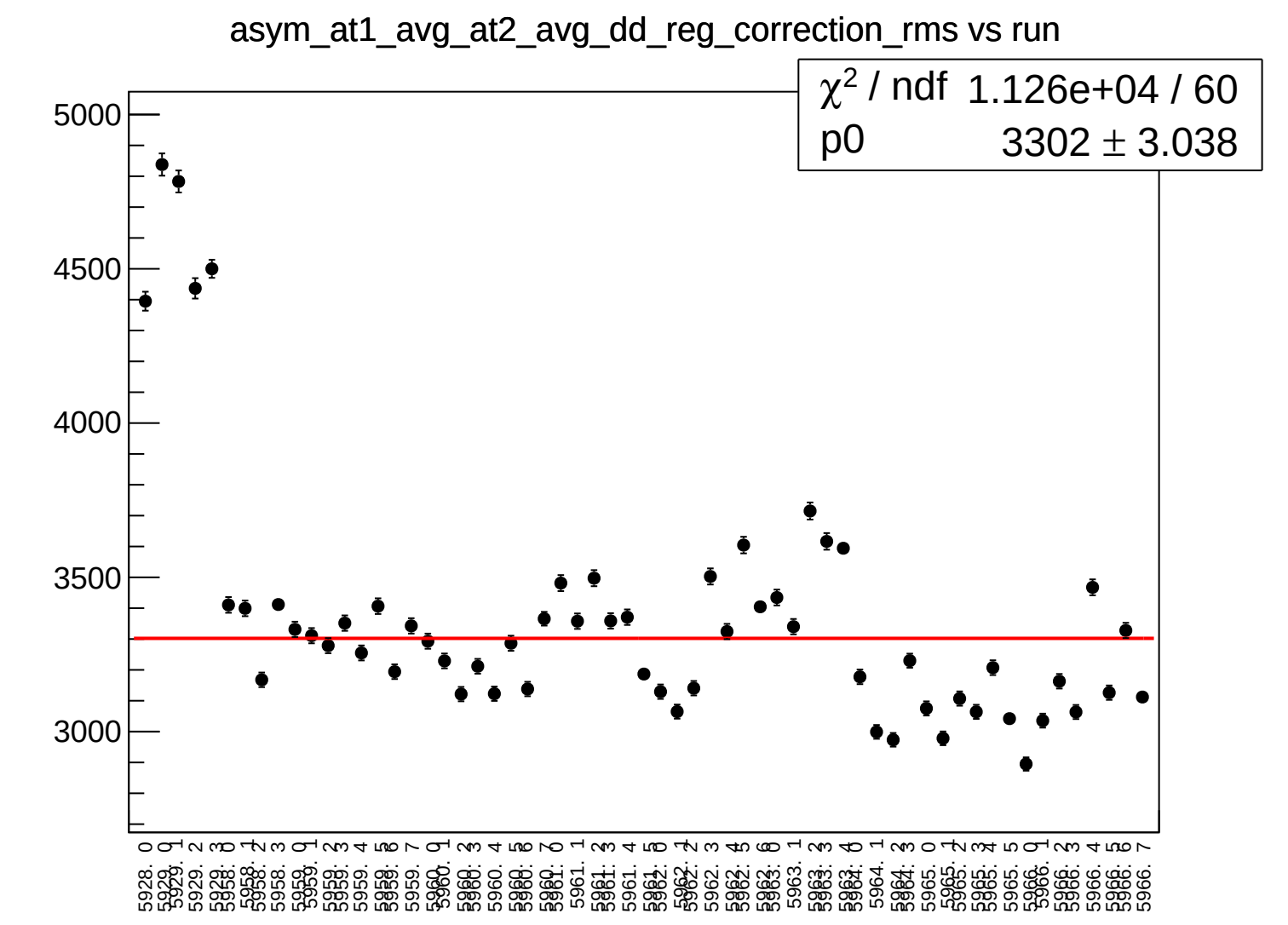

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 62.41 / 60
p0 236.9 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

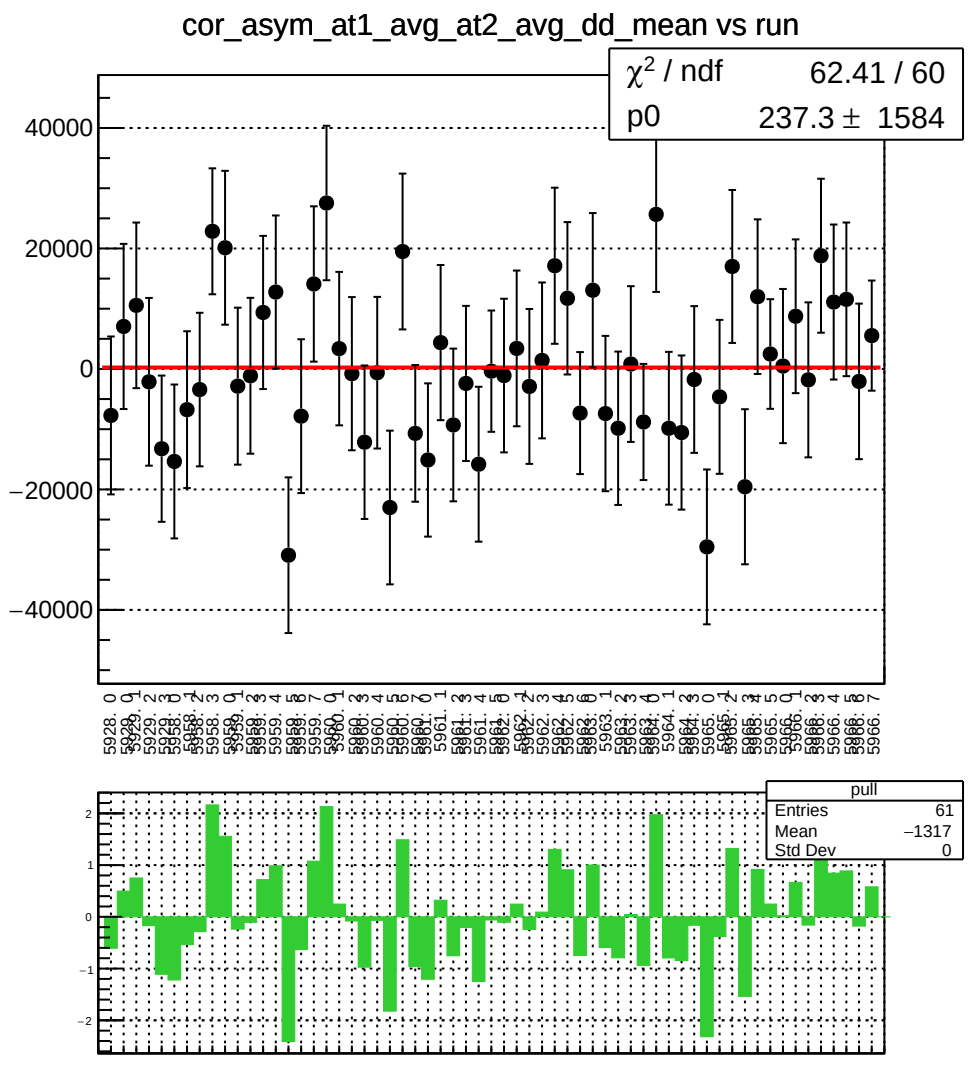

pull1D
Entries 61
Mean −0.0008285
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

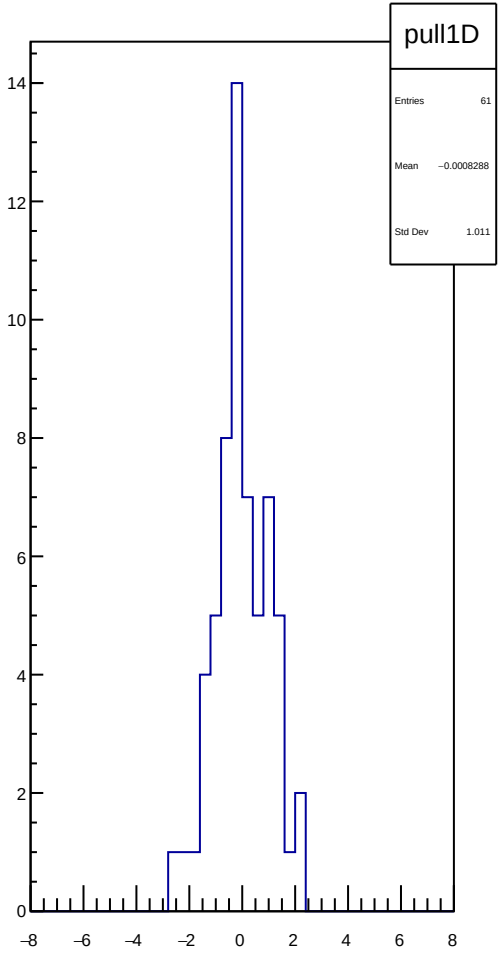

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

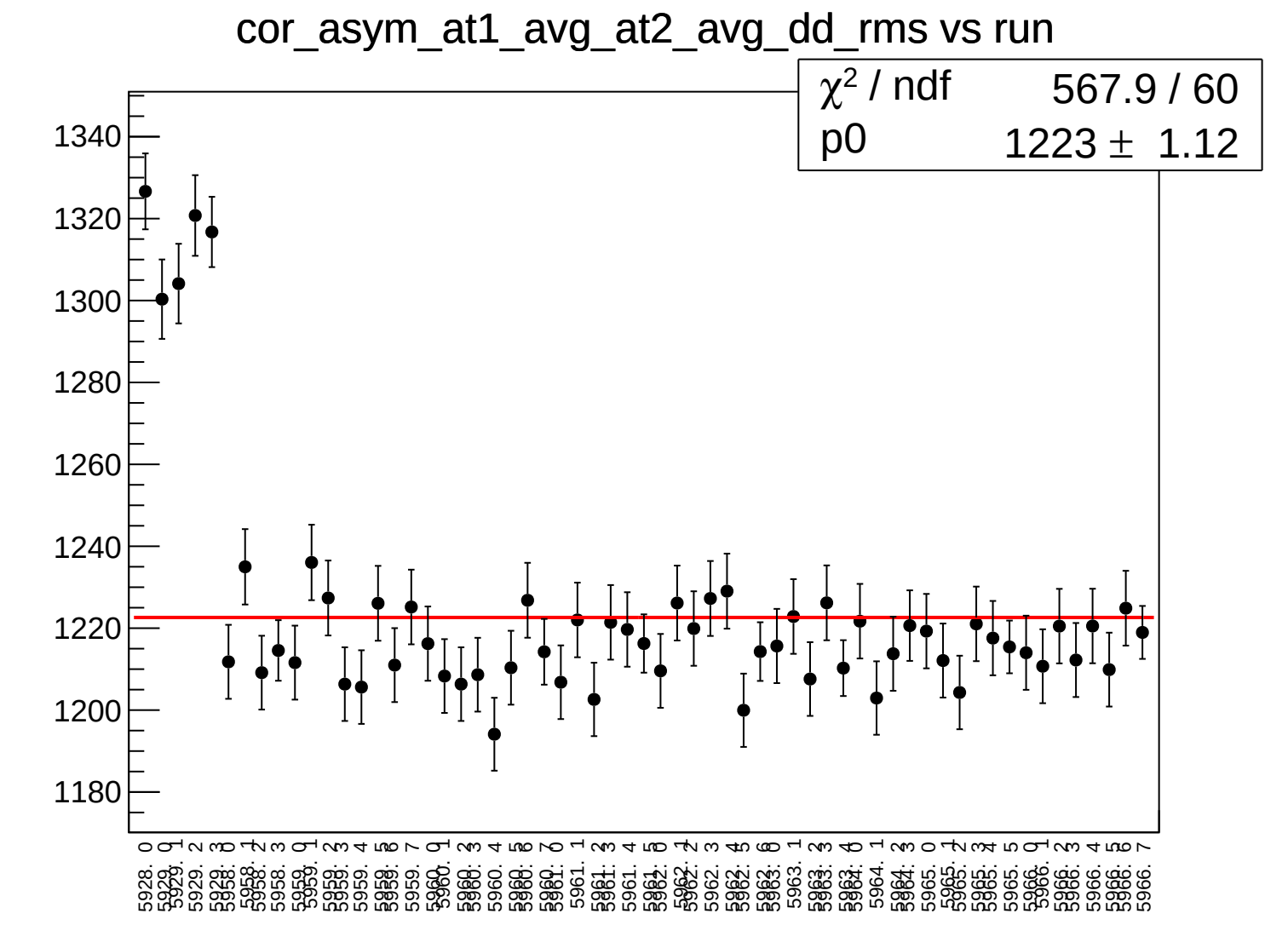

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
χ² / ndf 68.17 / 60
p0 355 ± 4296
pull
Entries 61
Mean 51.19
Std Dev 0

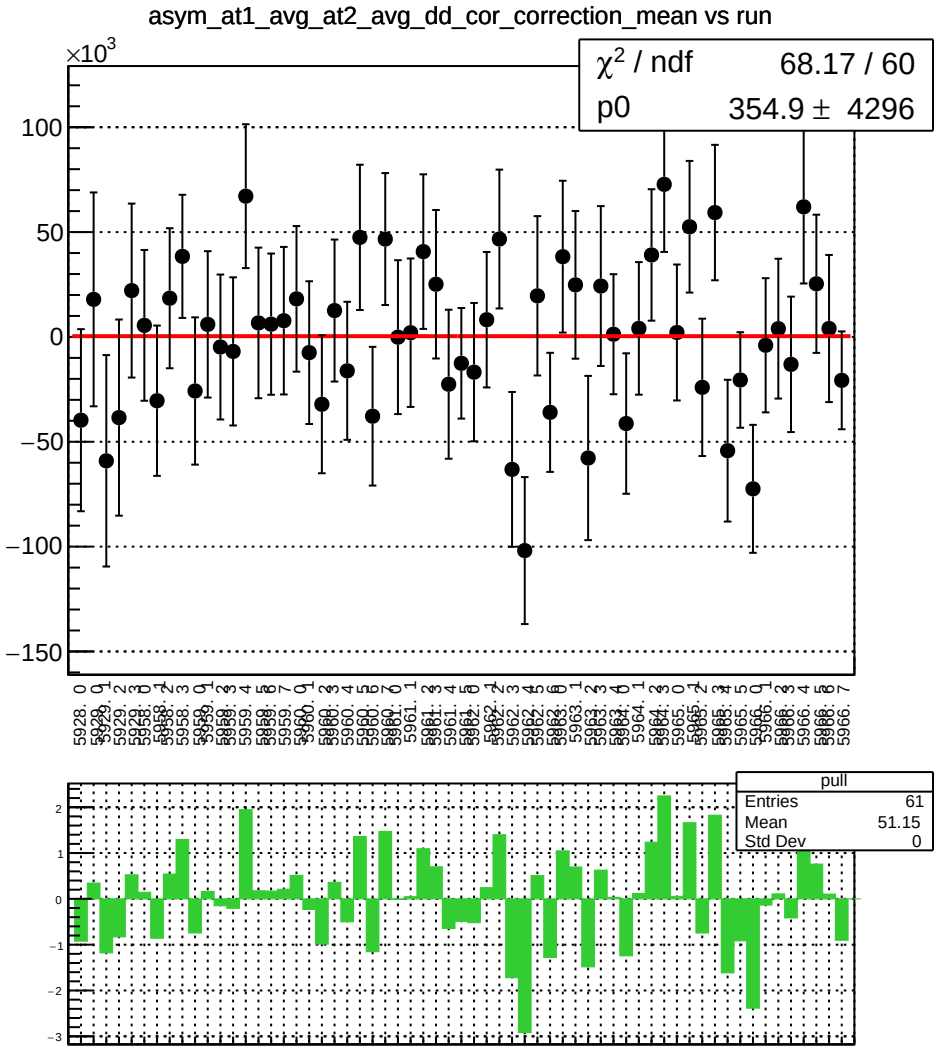

pull1D
Entries 61
Mean 0.003624
Std Dev 1.057

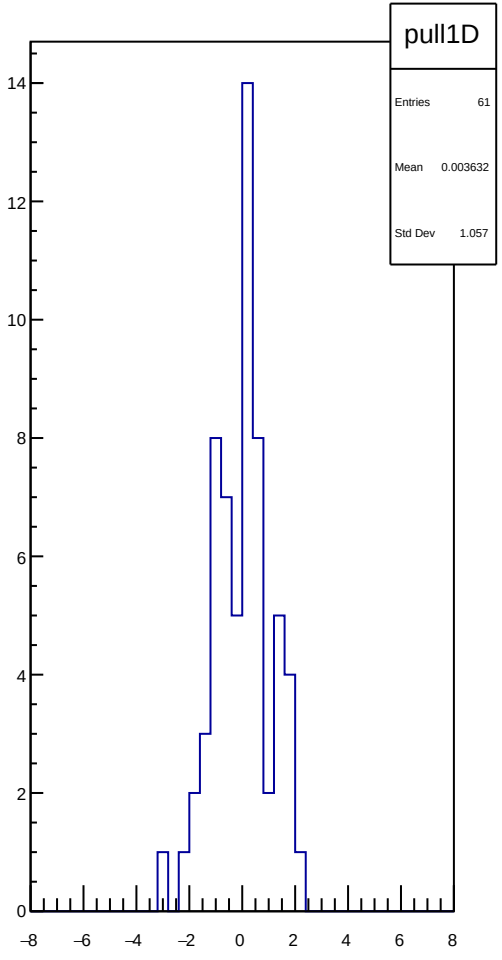

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

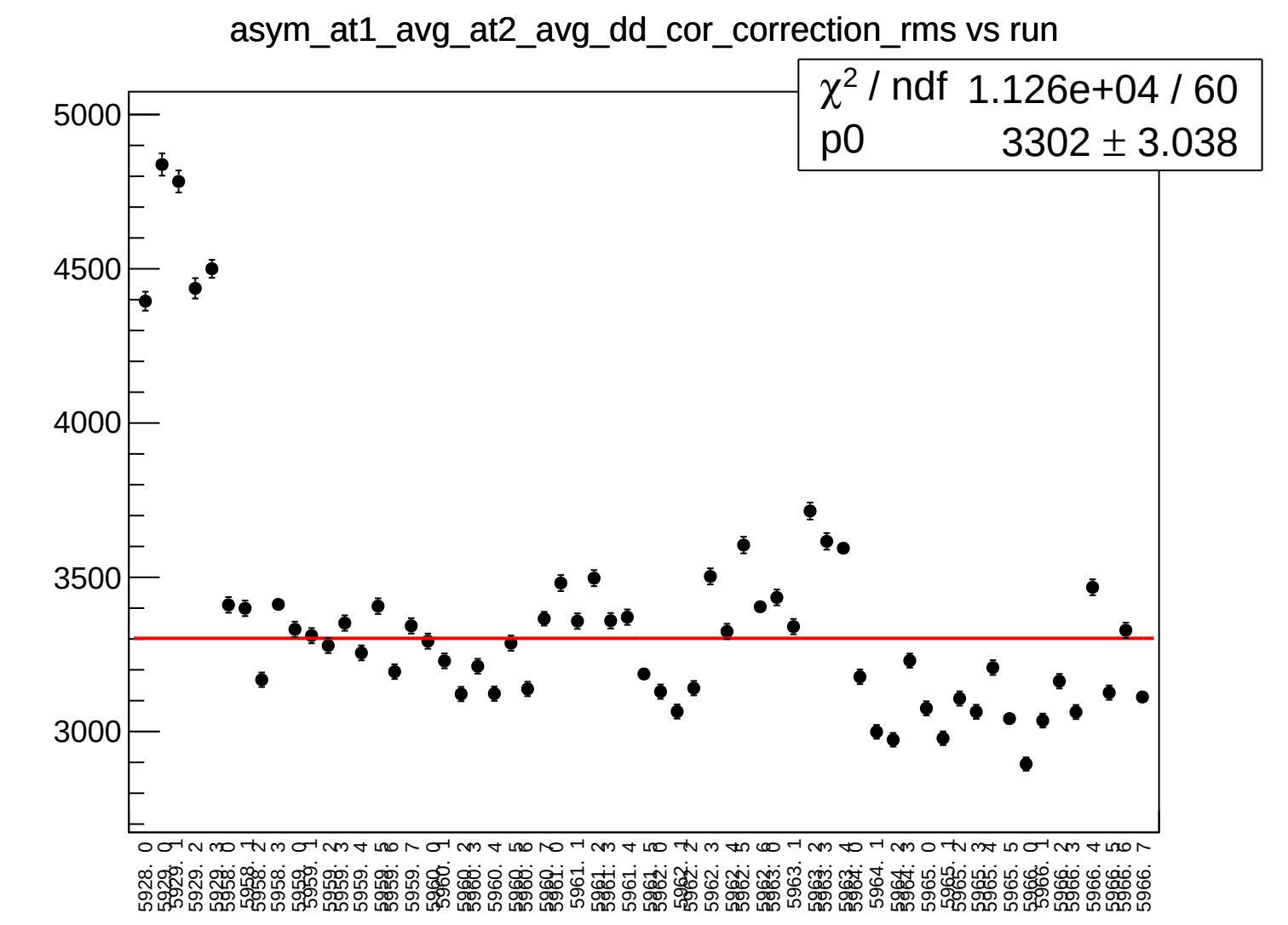

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

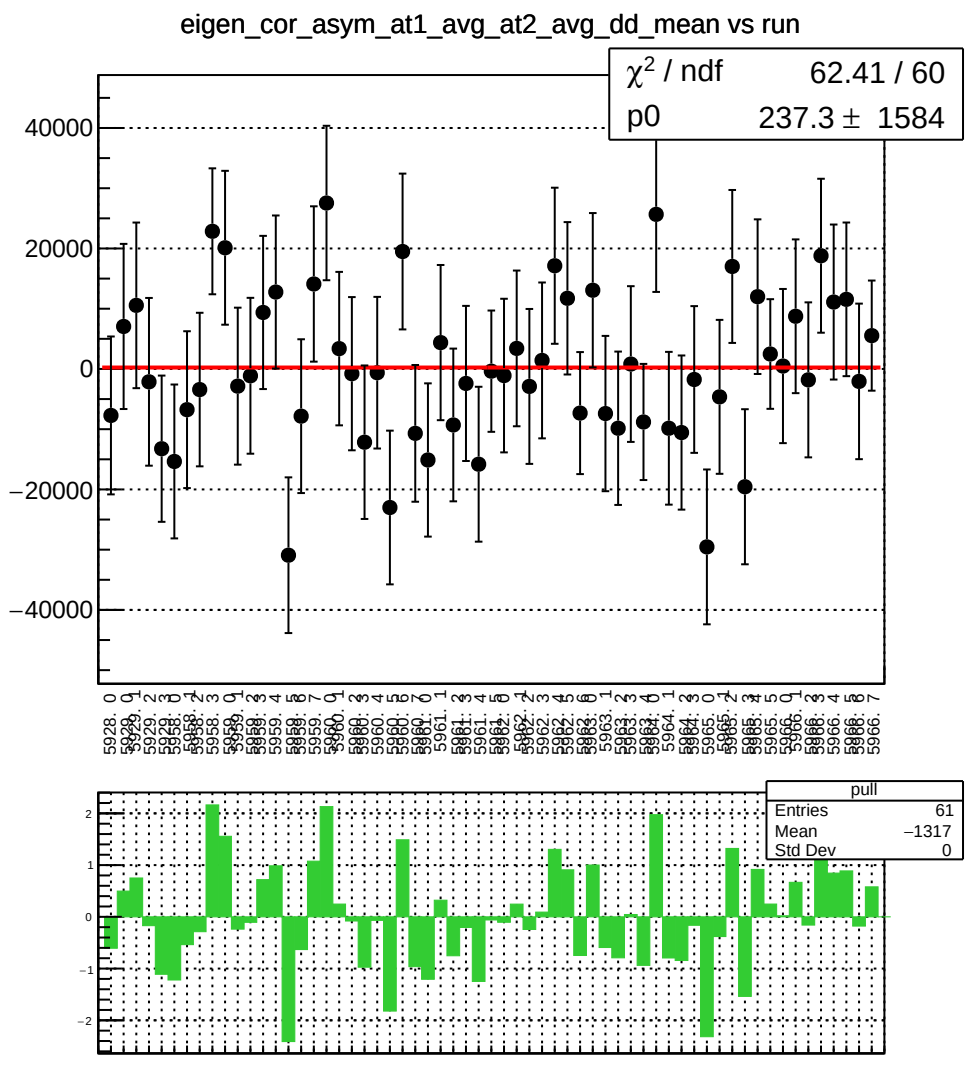

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

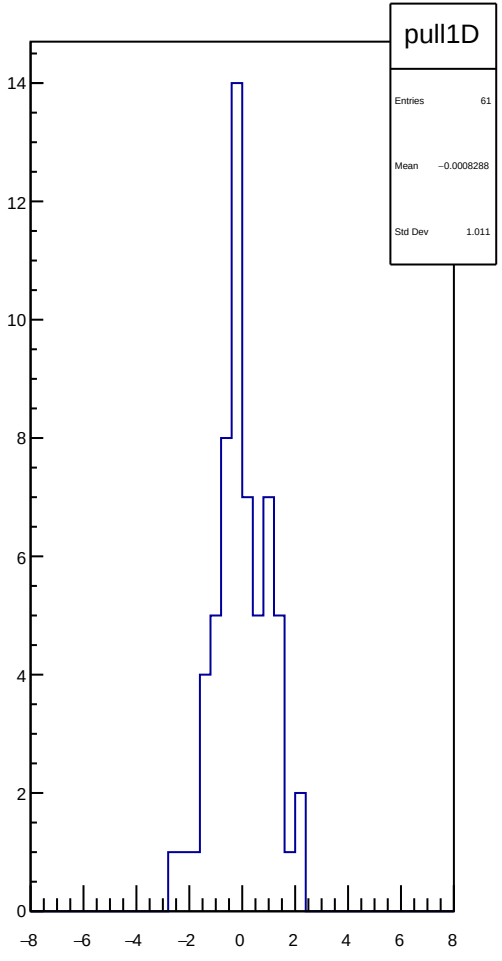

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

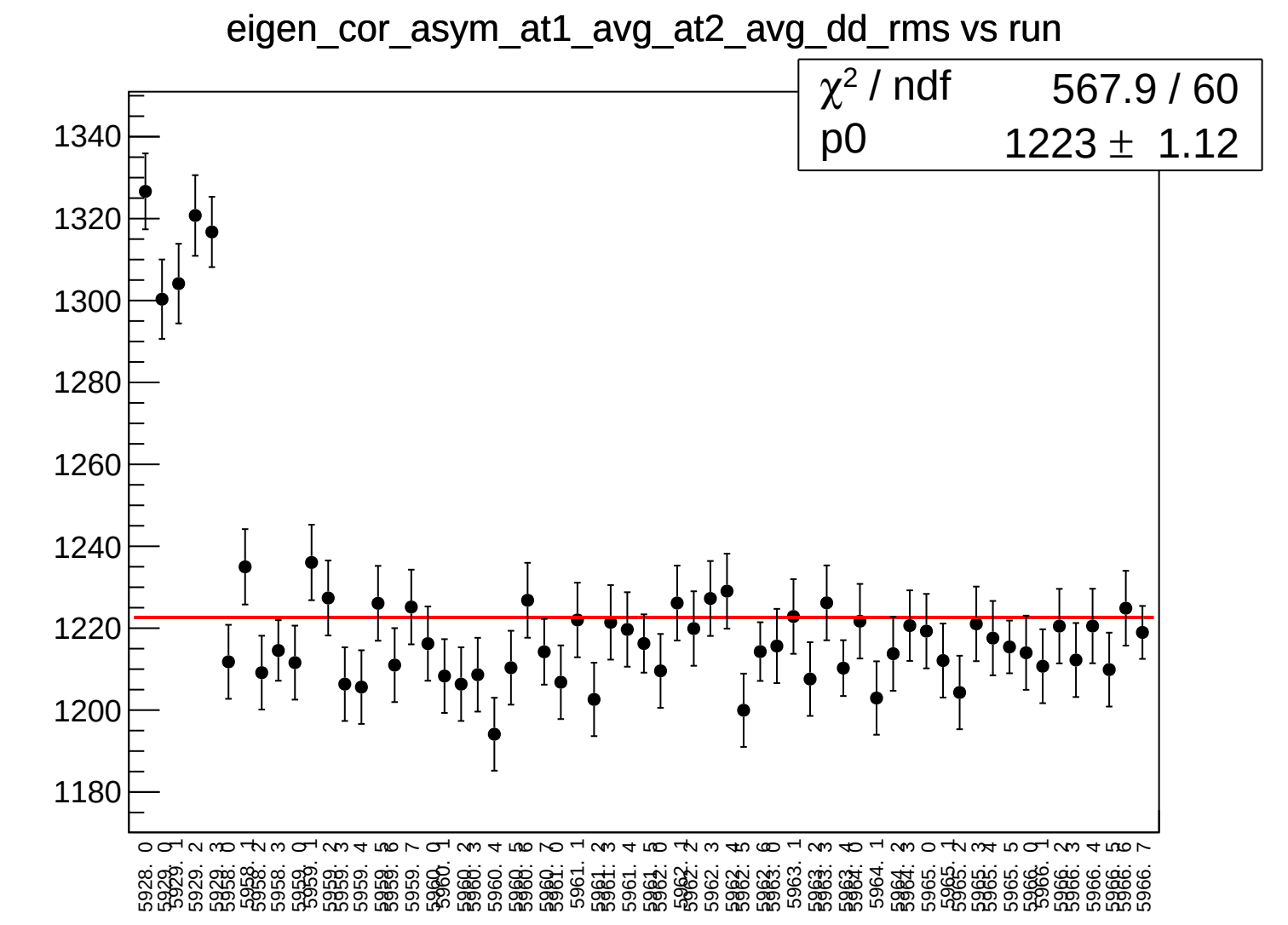

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
pull
Entries 61
Mean 51.15
Std Dev 0

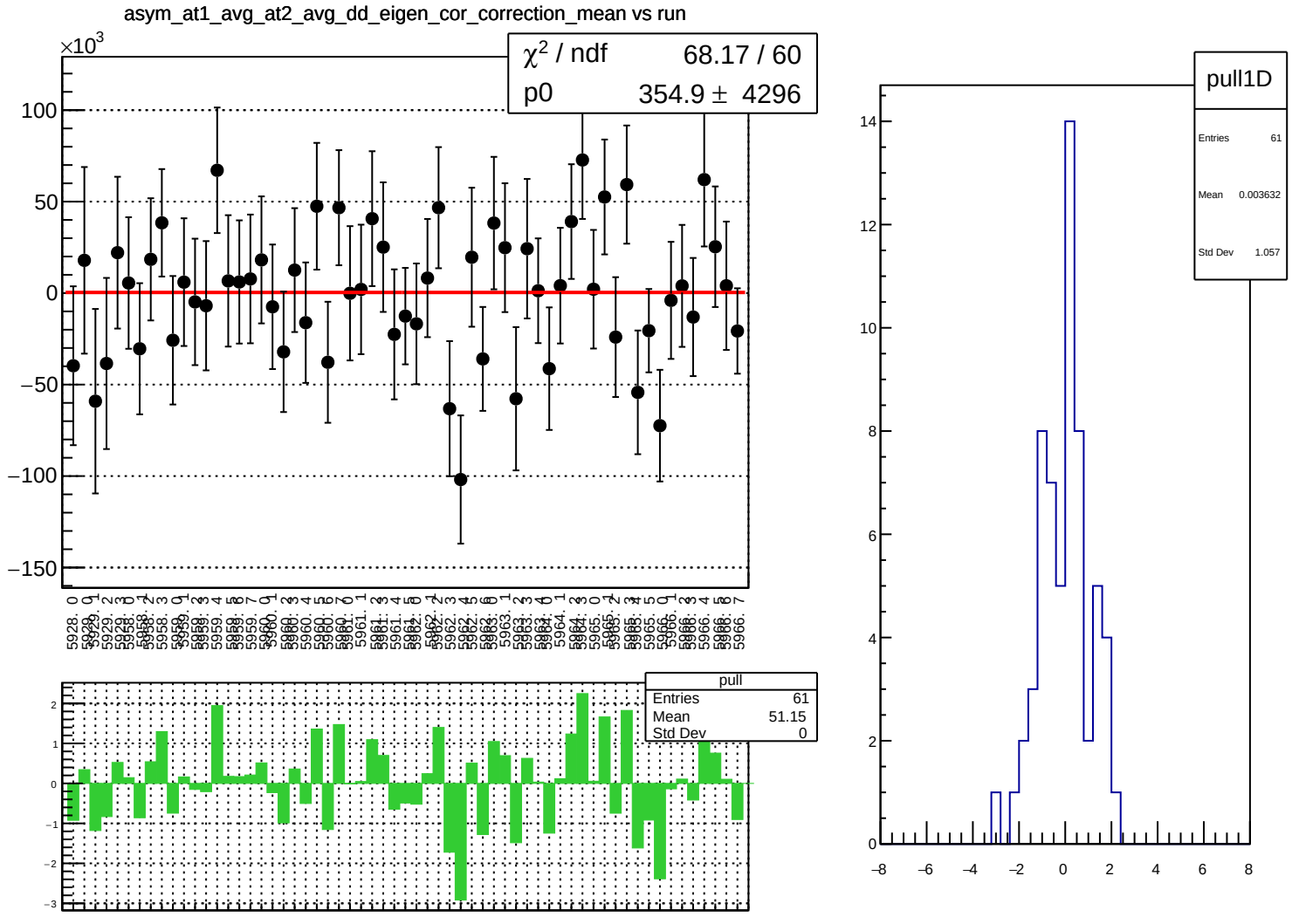

pull1D
Entries 61
Mean 0.003632
Std Dev 1.057

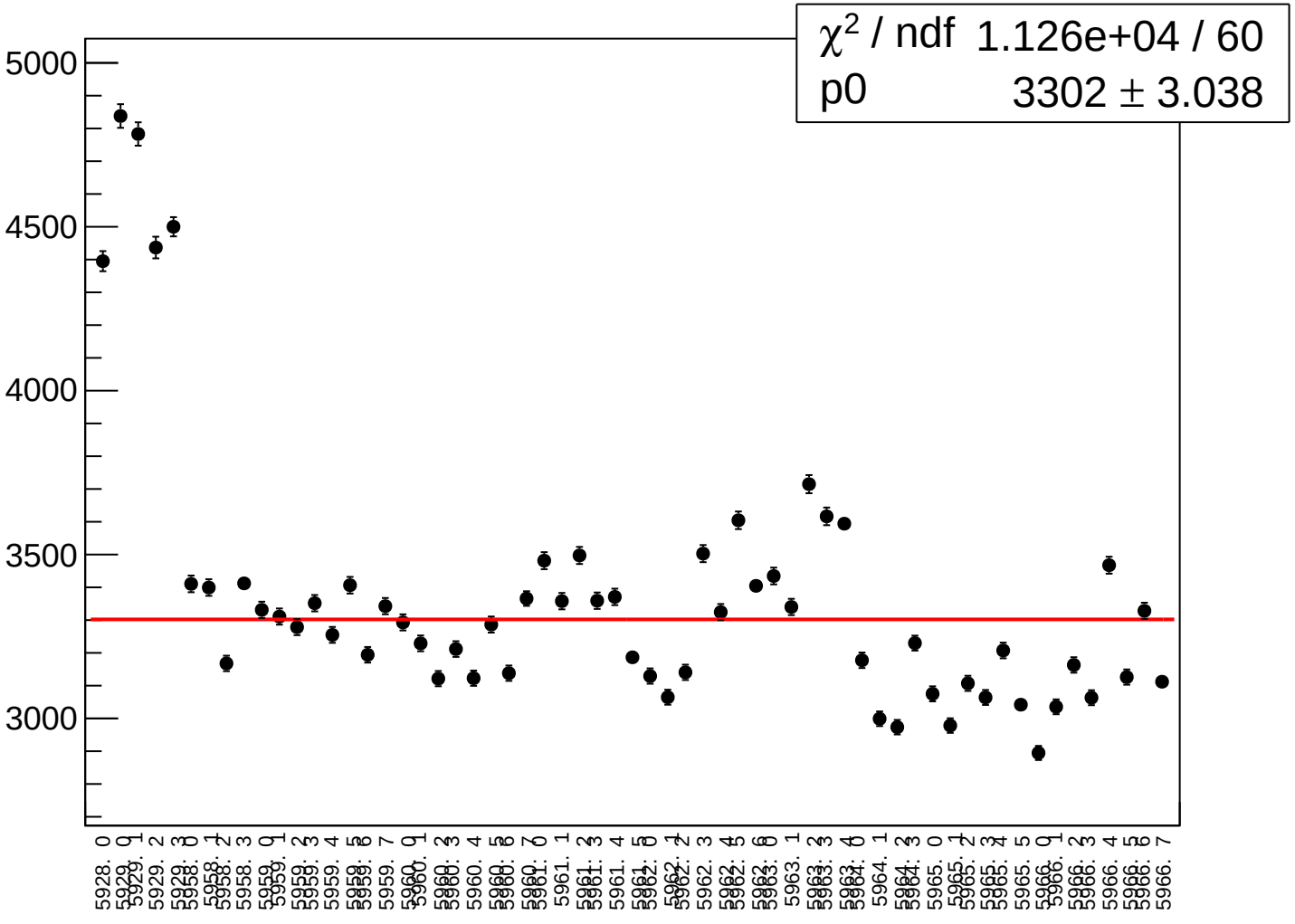

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

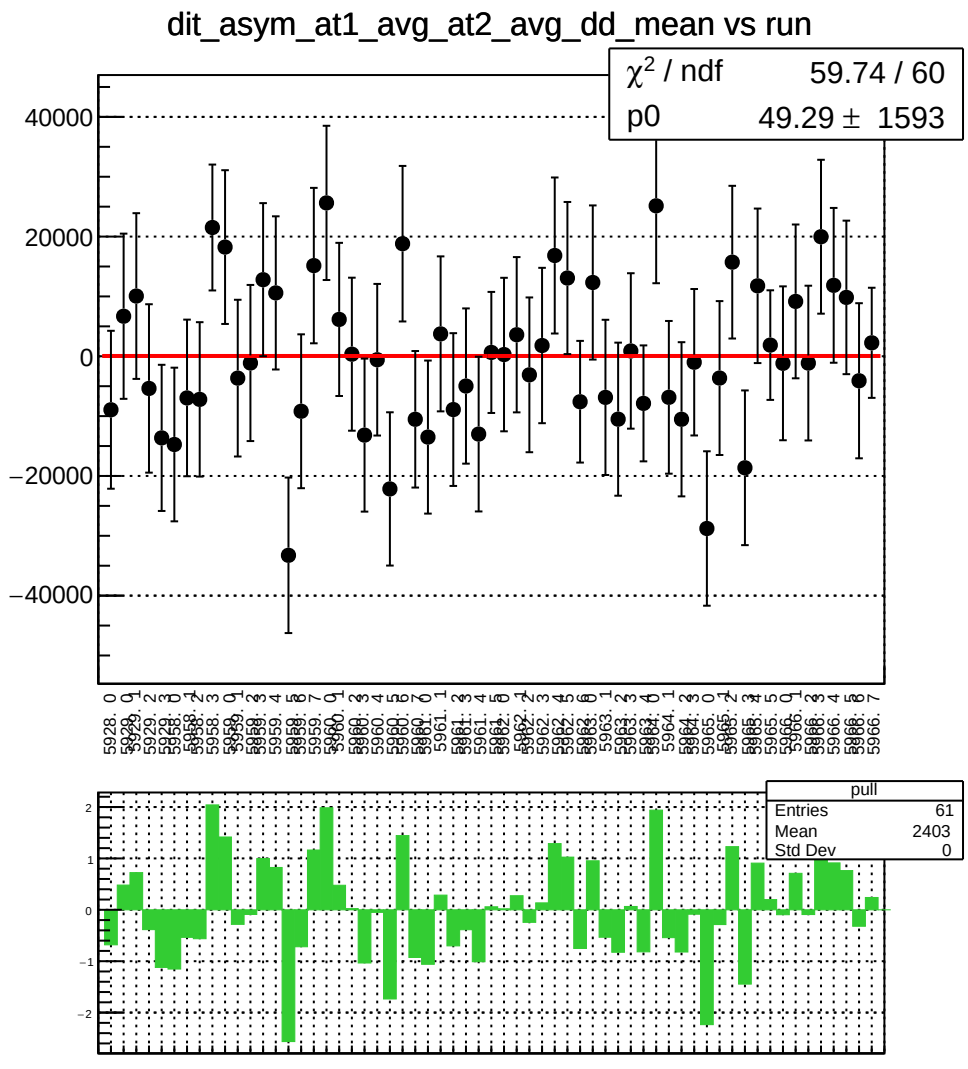

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

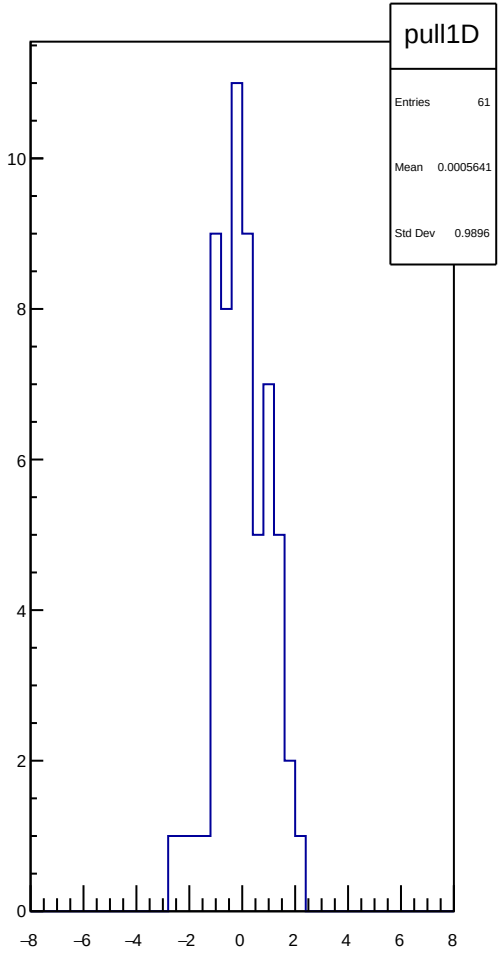

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

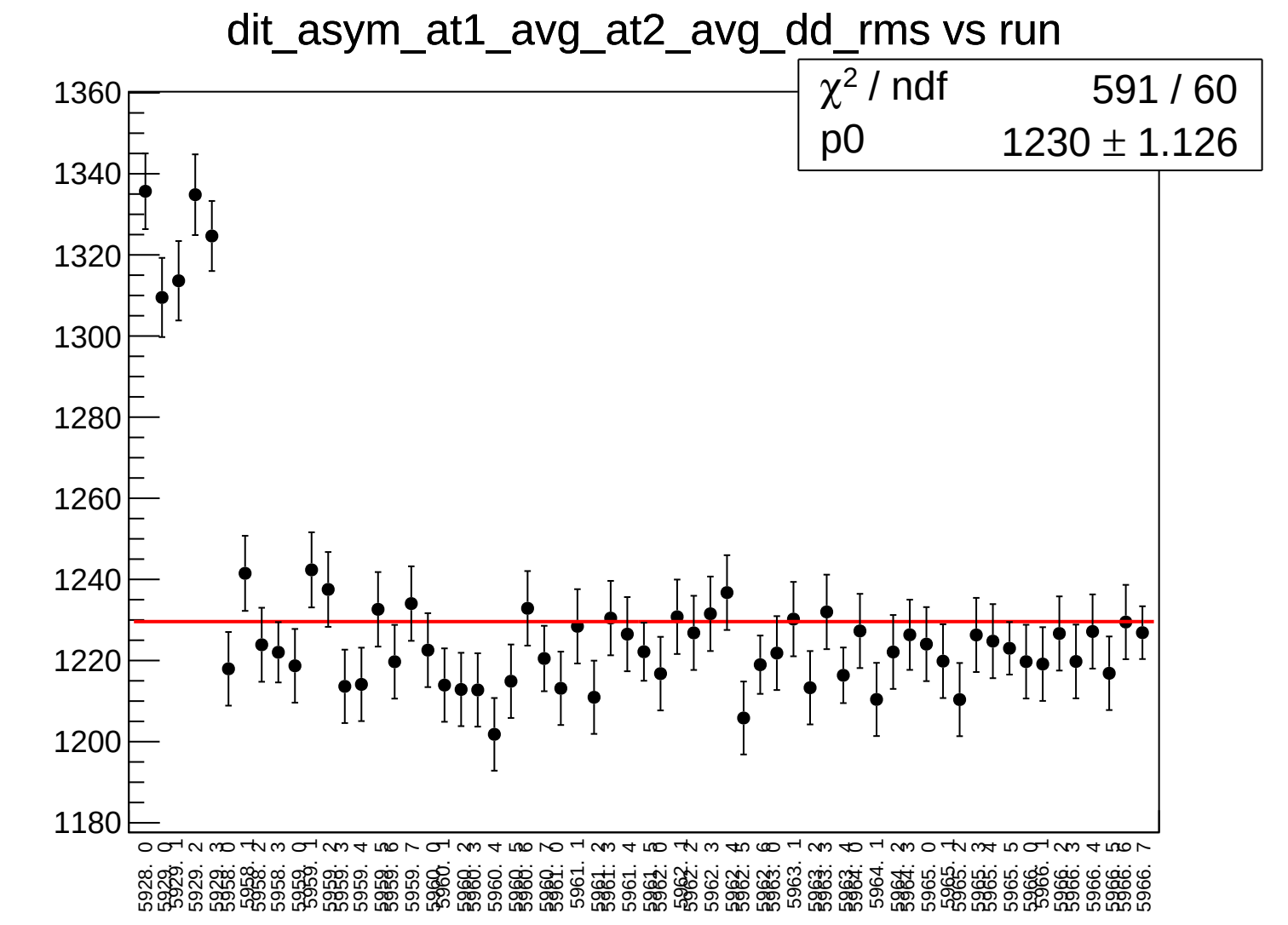

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

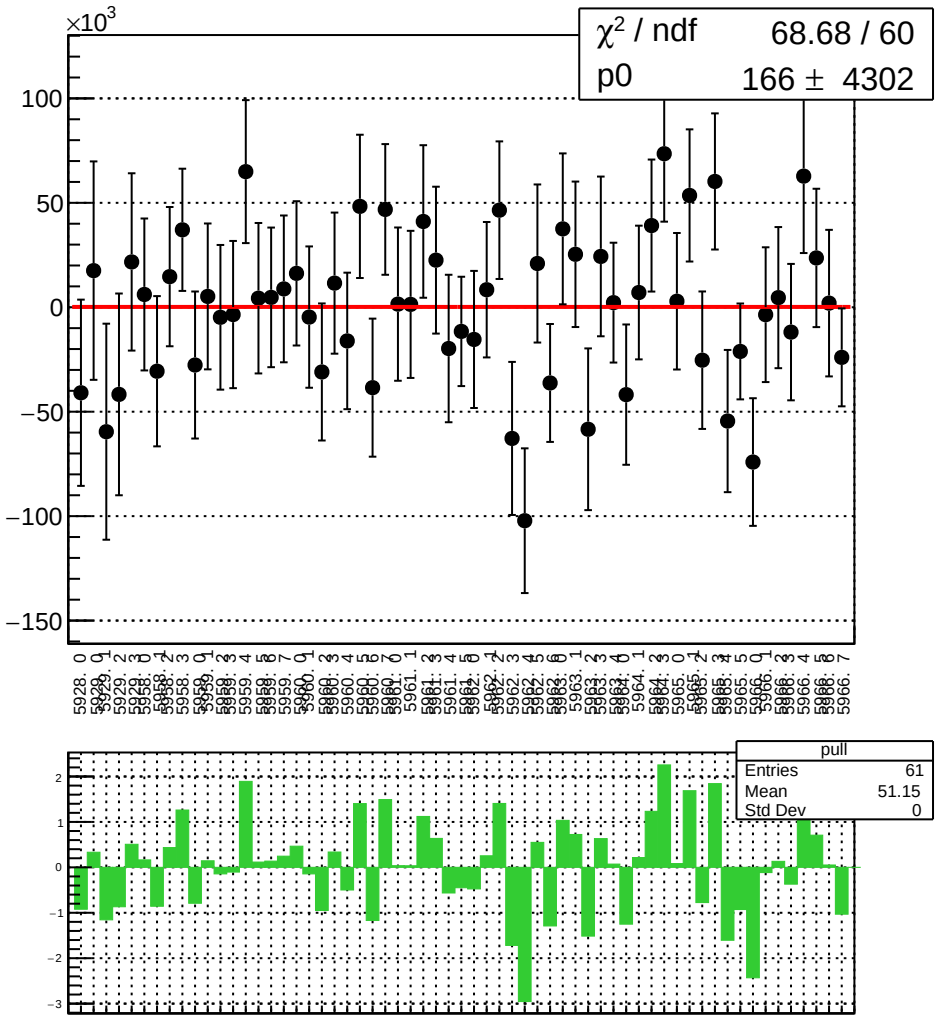

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.15
Std Dev 0
pull1D
Entries 61
Mean 0.003632
Std Dev 1.057

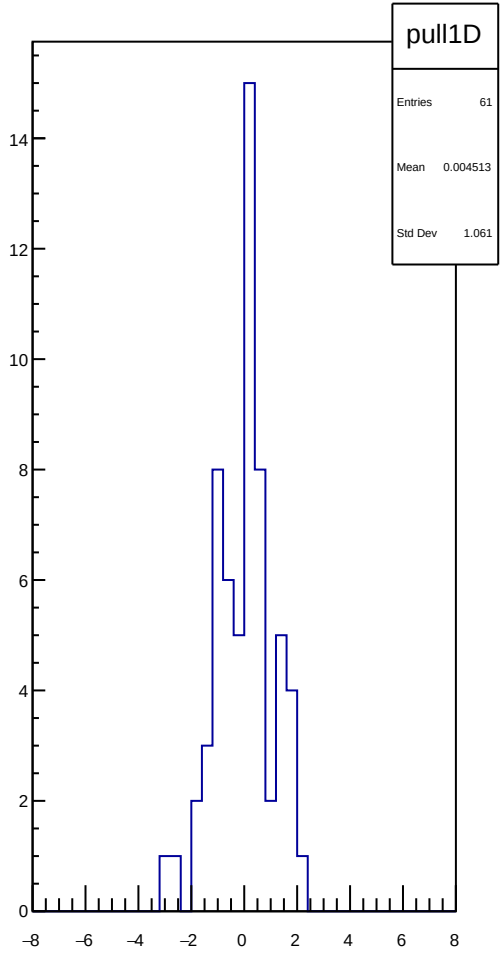

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

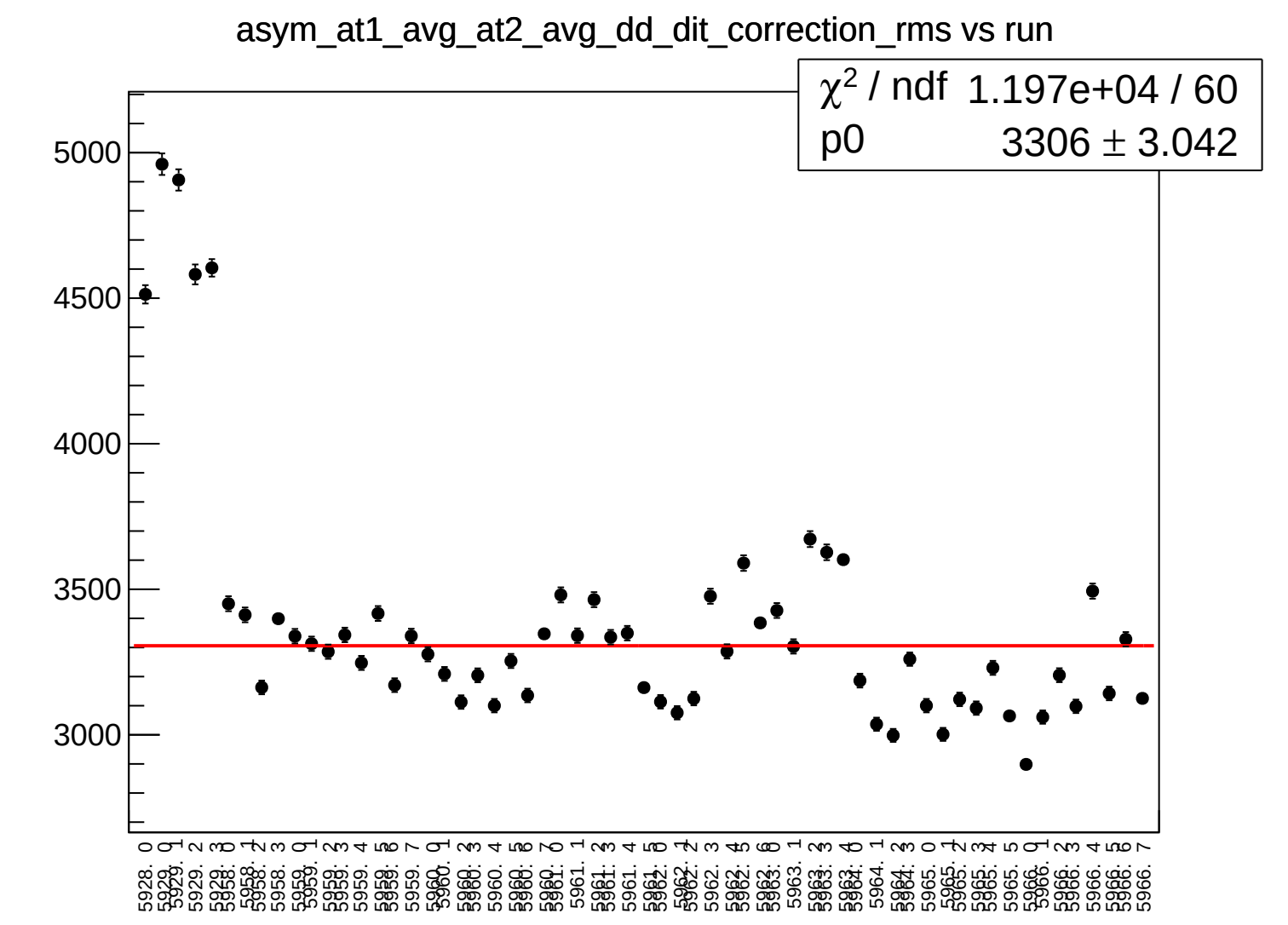

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 59.74 / 60
p0 49.29 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

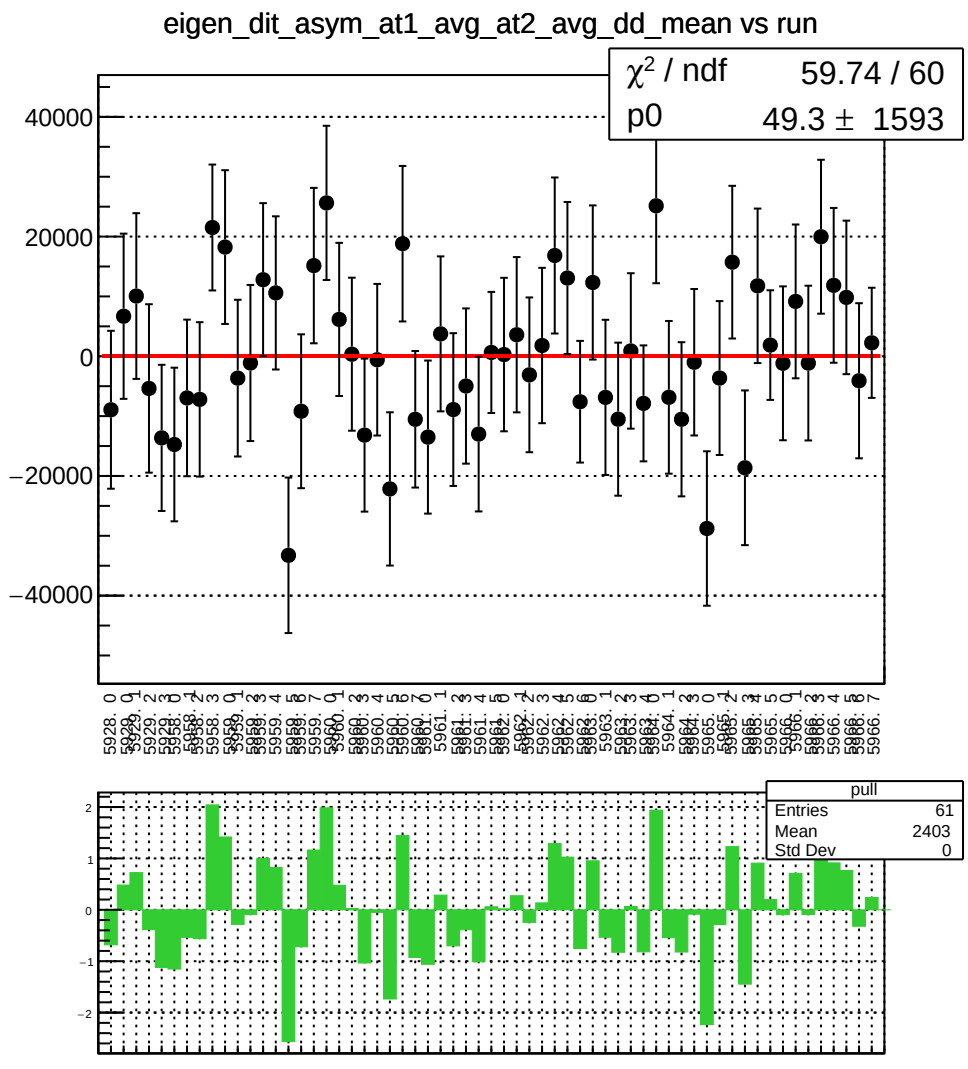

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

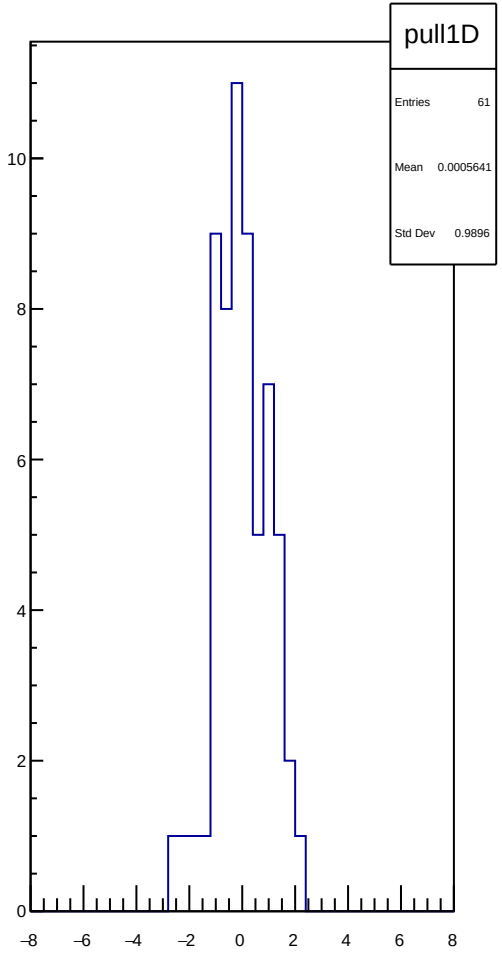

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 591 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

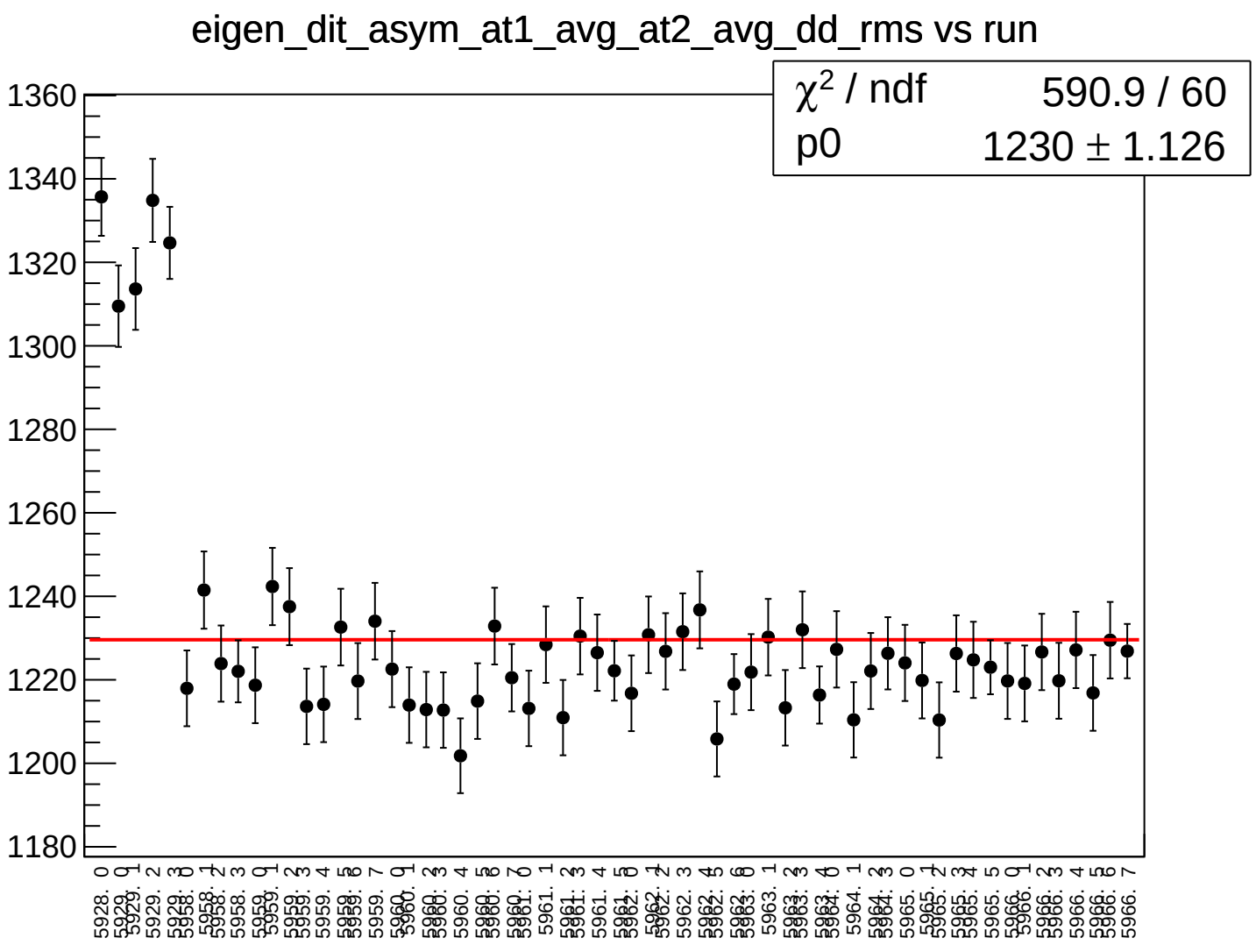

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0

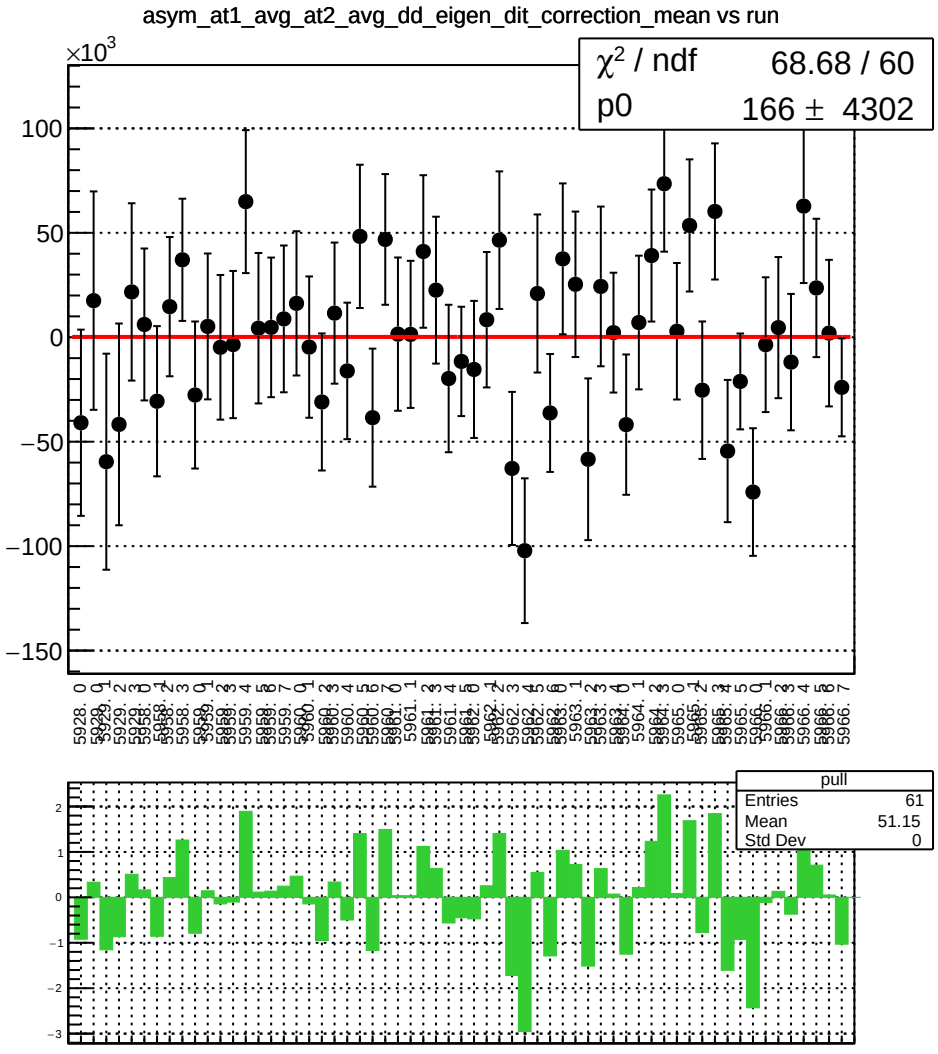

pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

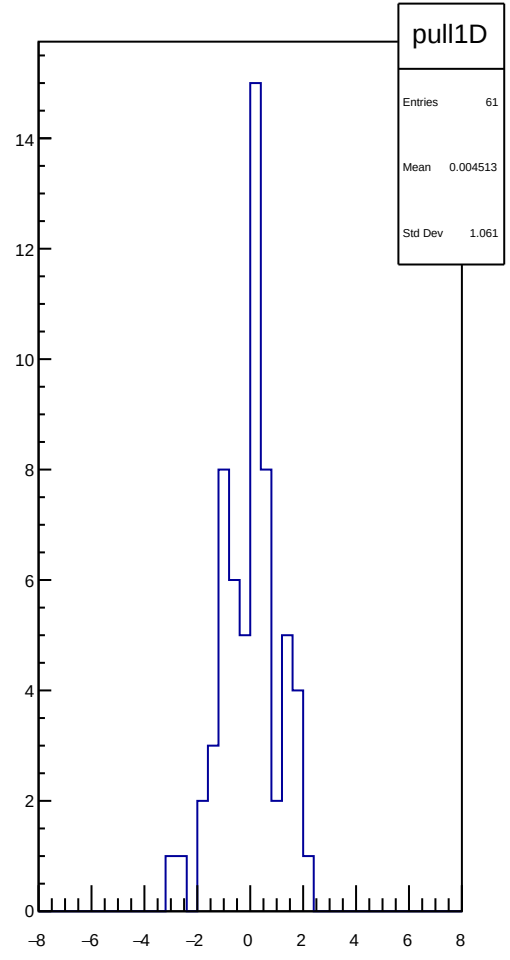

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

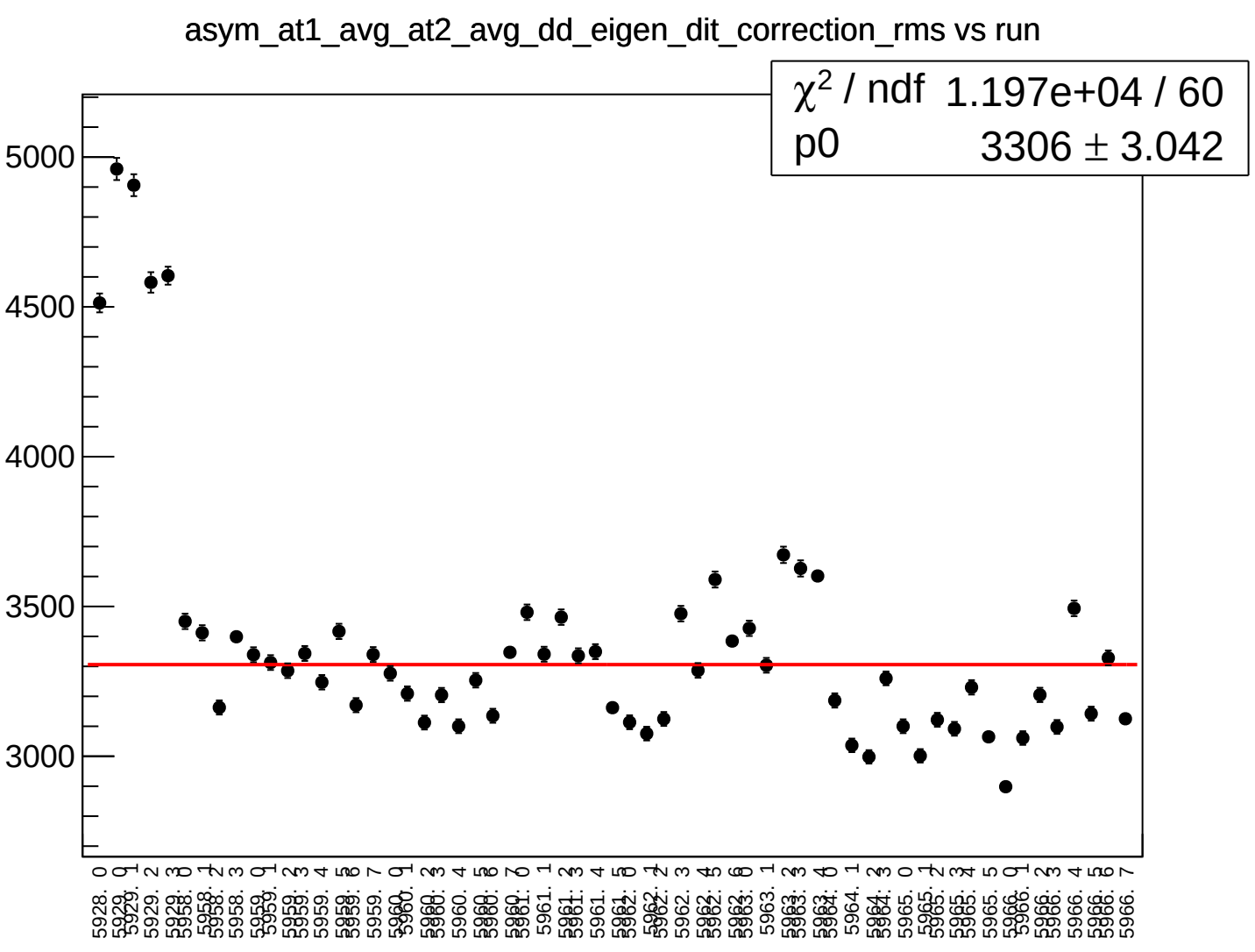

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 59.74 / 60
p0 49.3 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

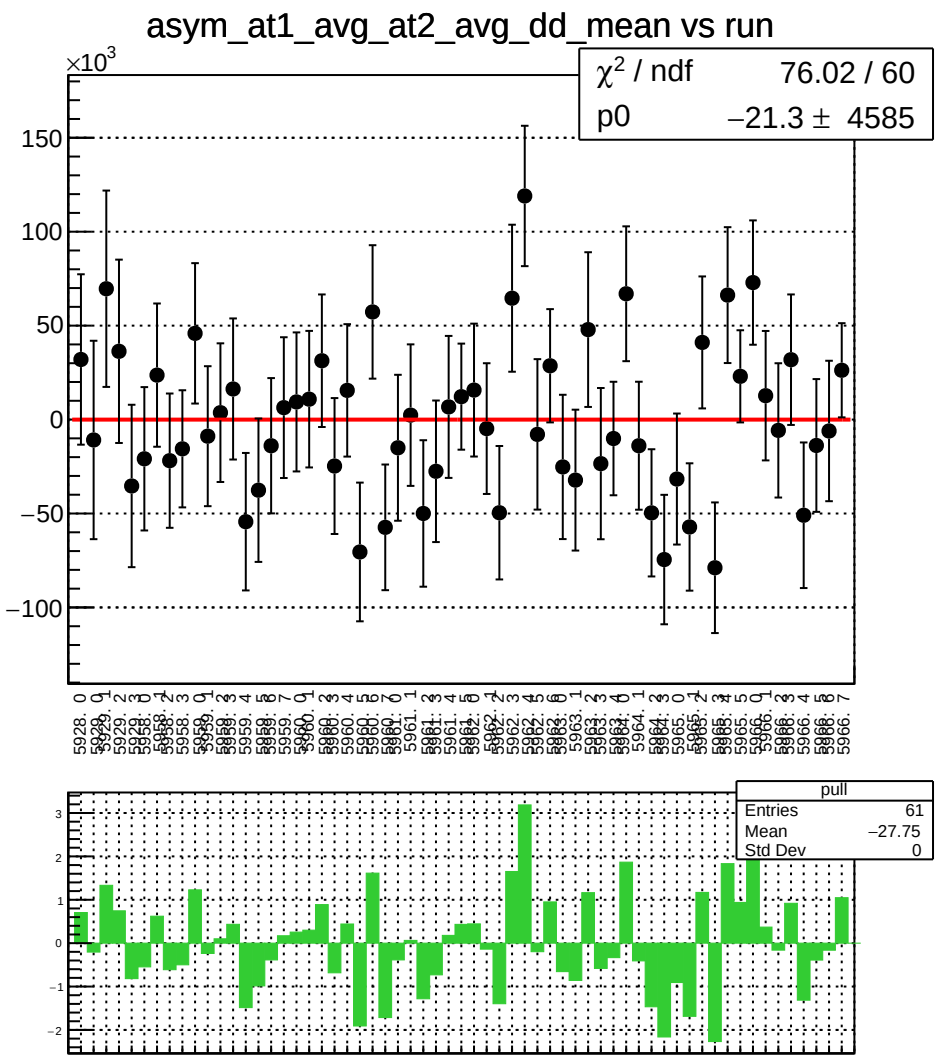

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

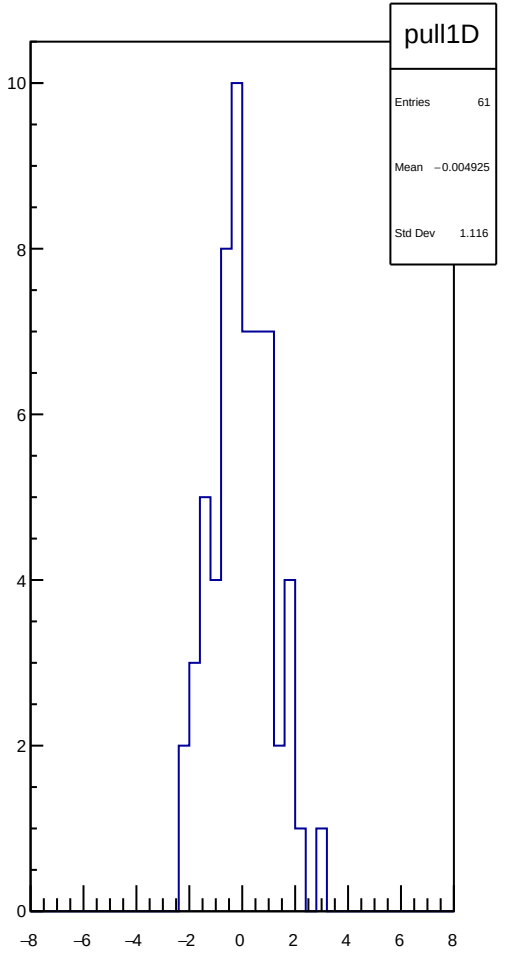

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 590.9 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

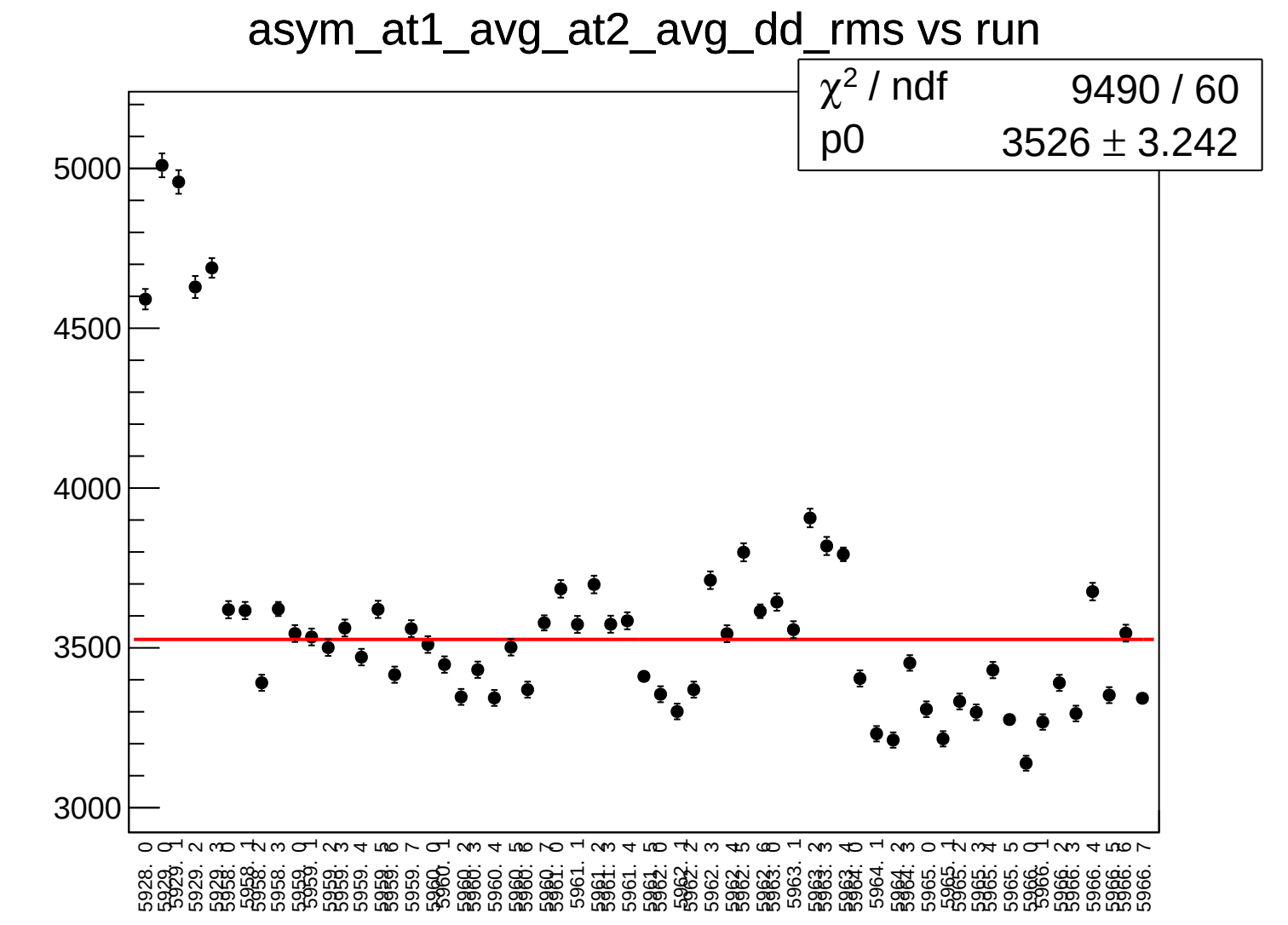

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0

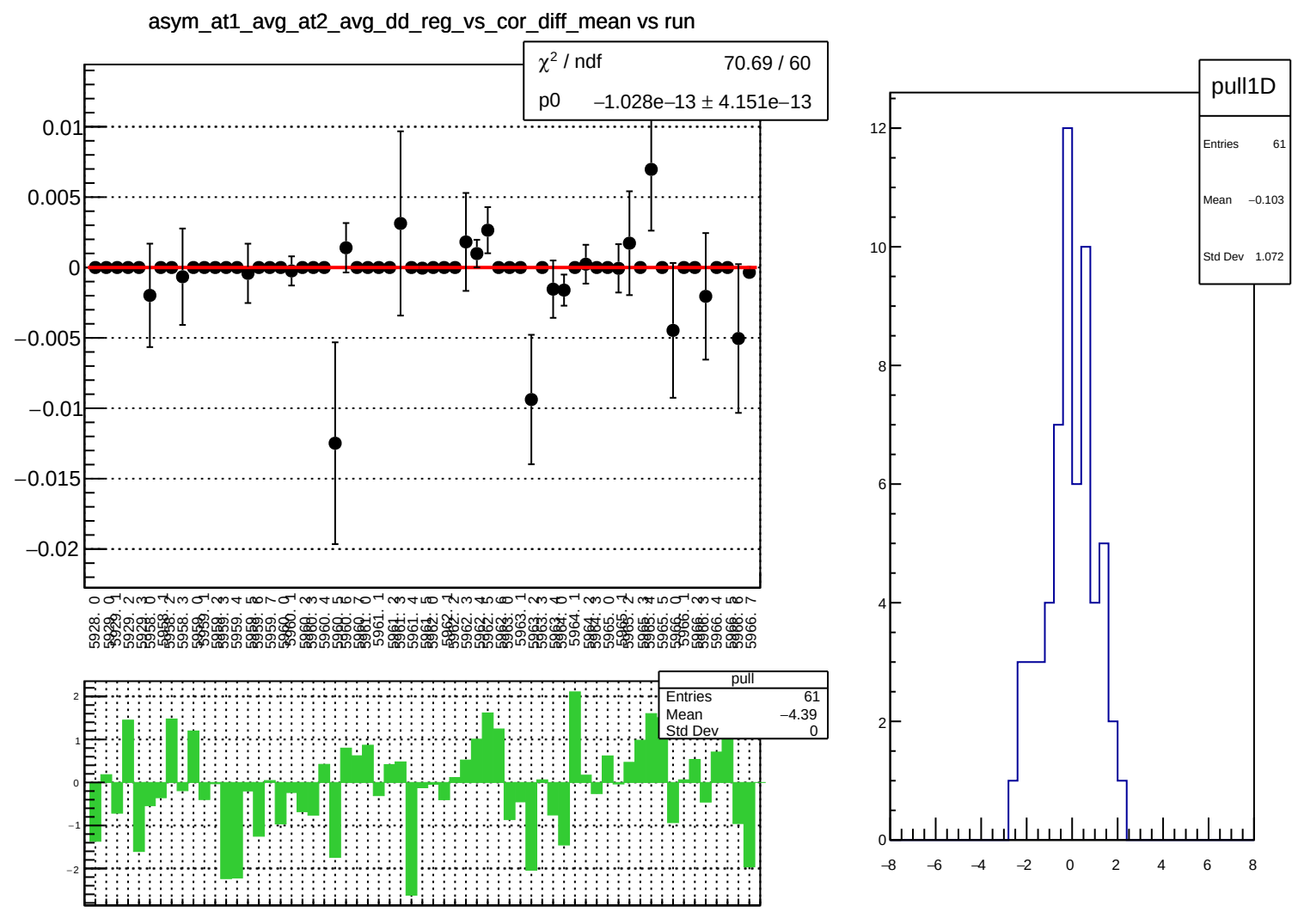

pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

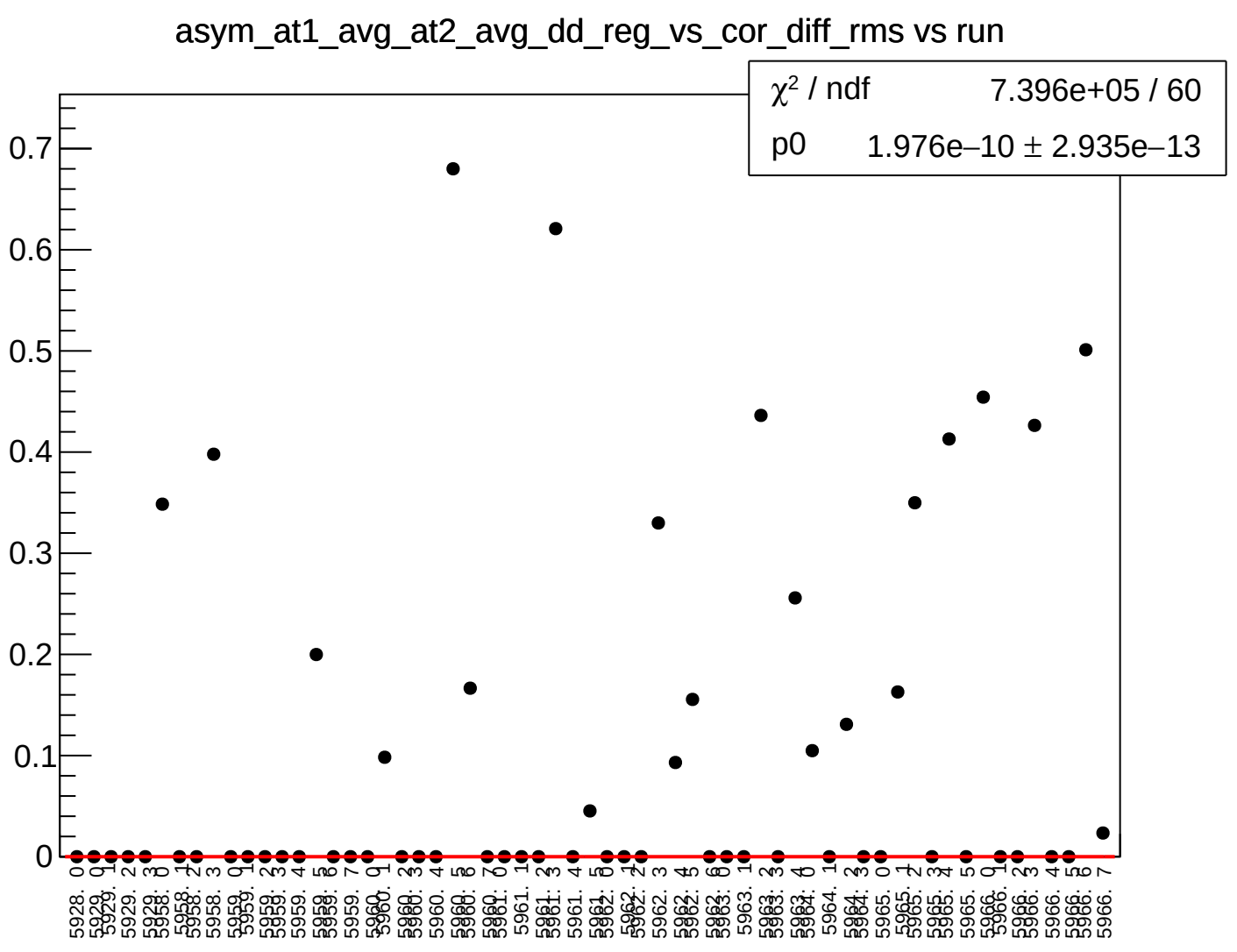

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

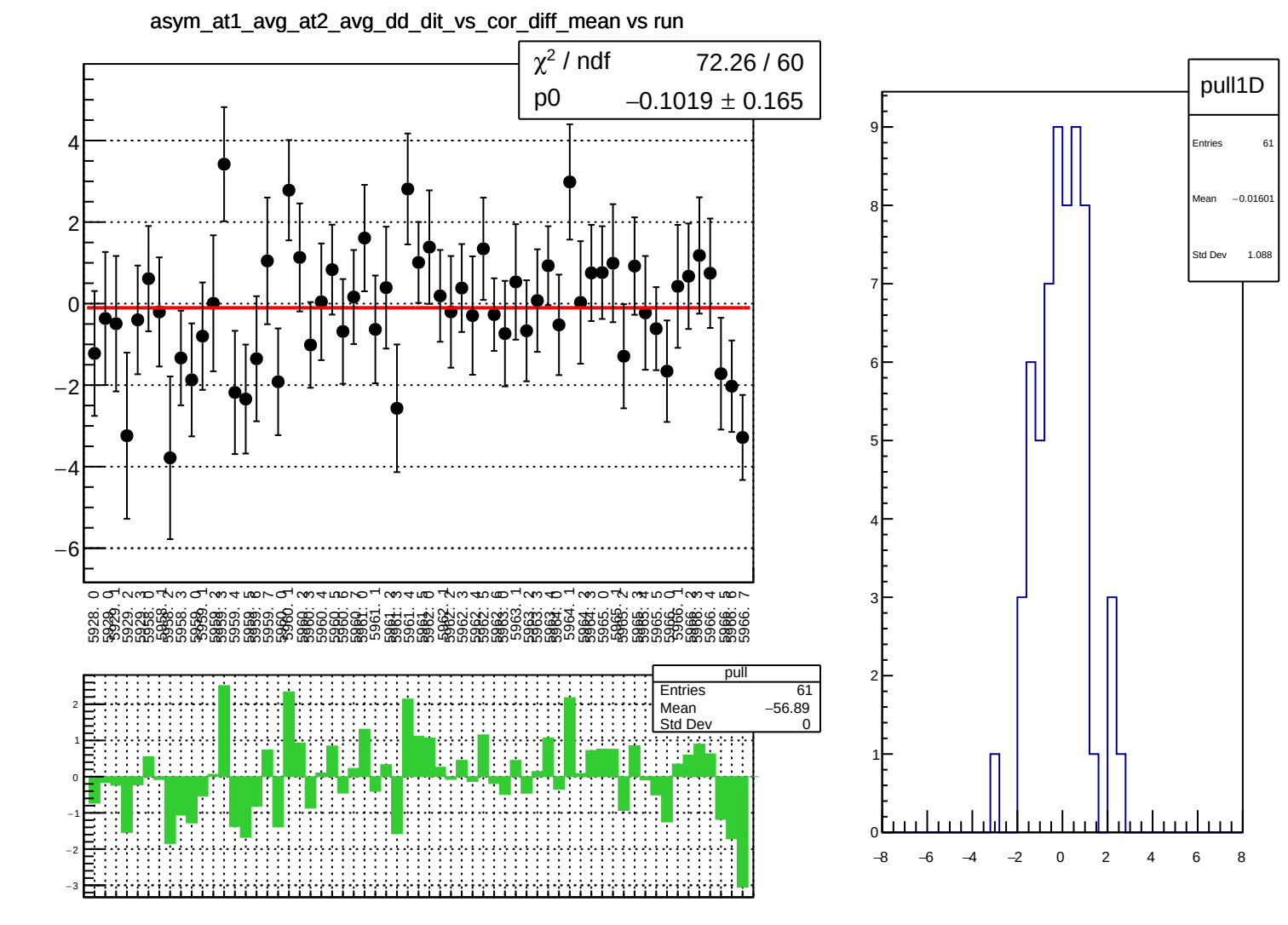

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 76.02 / 60
p0 −21.3 ± 4585
150
100
50
0
−50
−100
pull
Entries 61
Mean −27.75
Std Dev 0
3
2
1
0
−1
−2

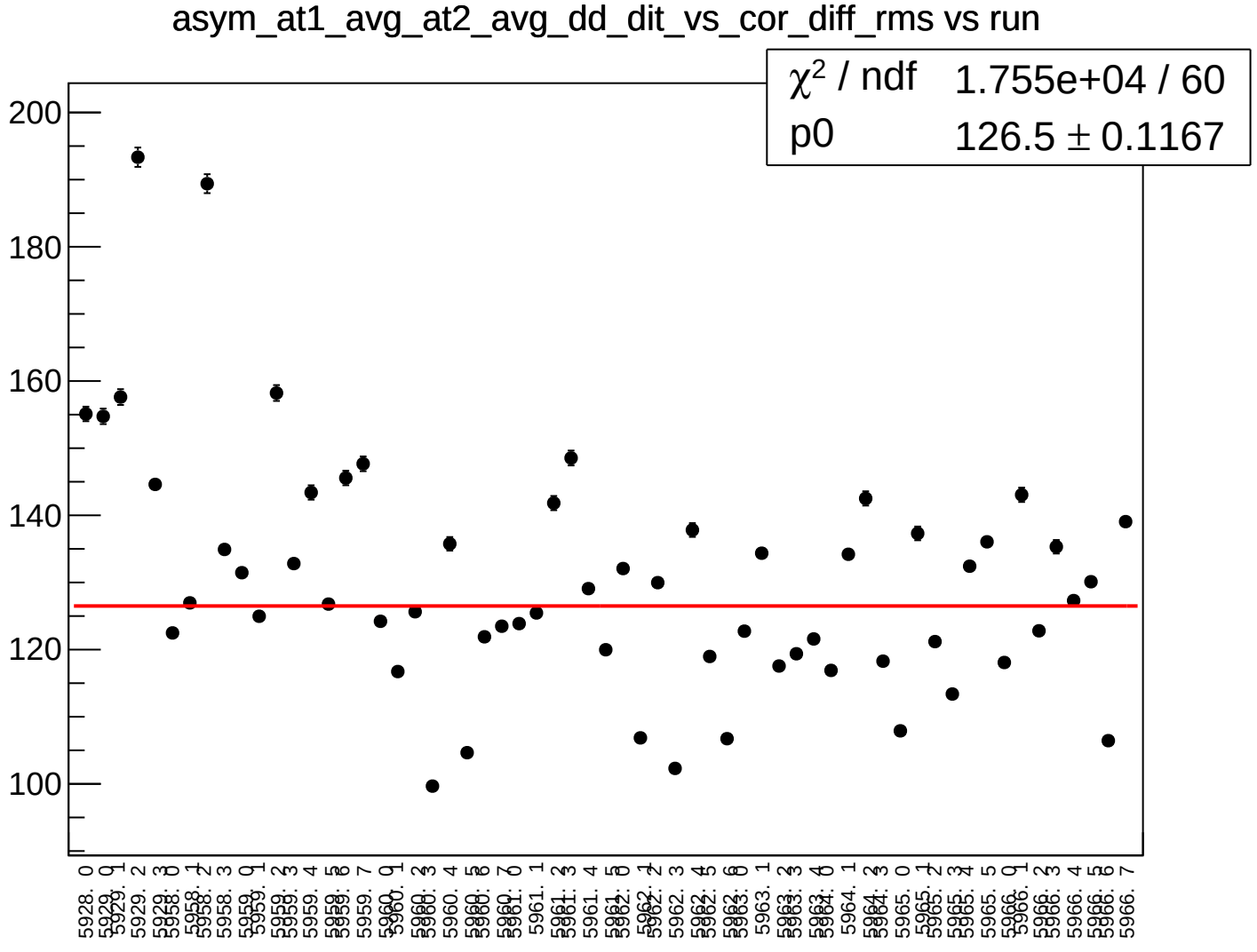

pull1D
Entries 61
Mean −0.004925
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

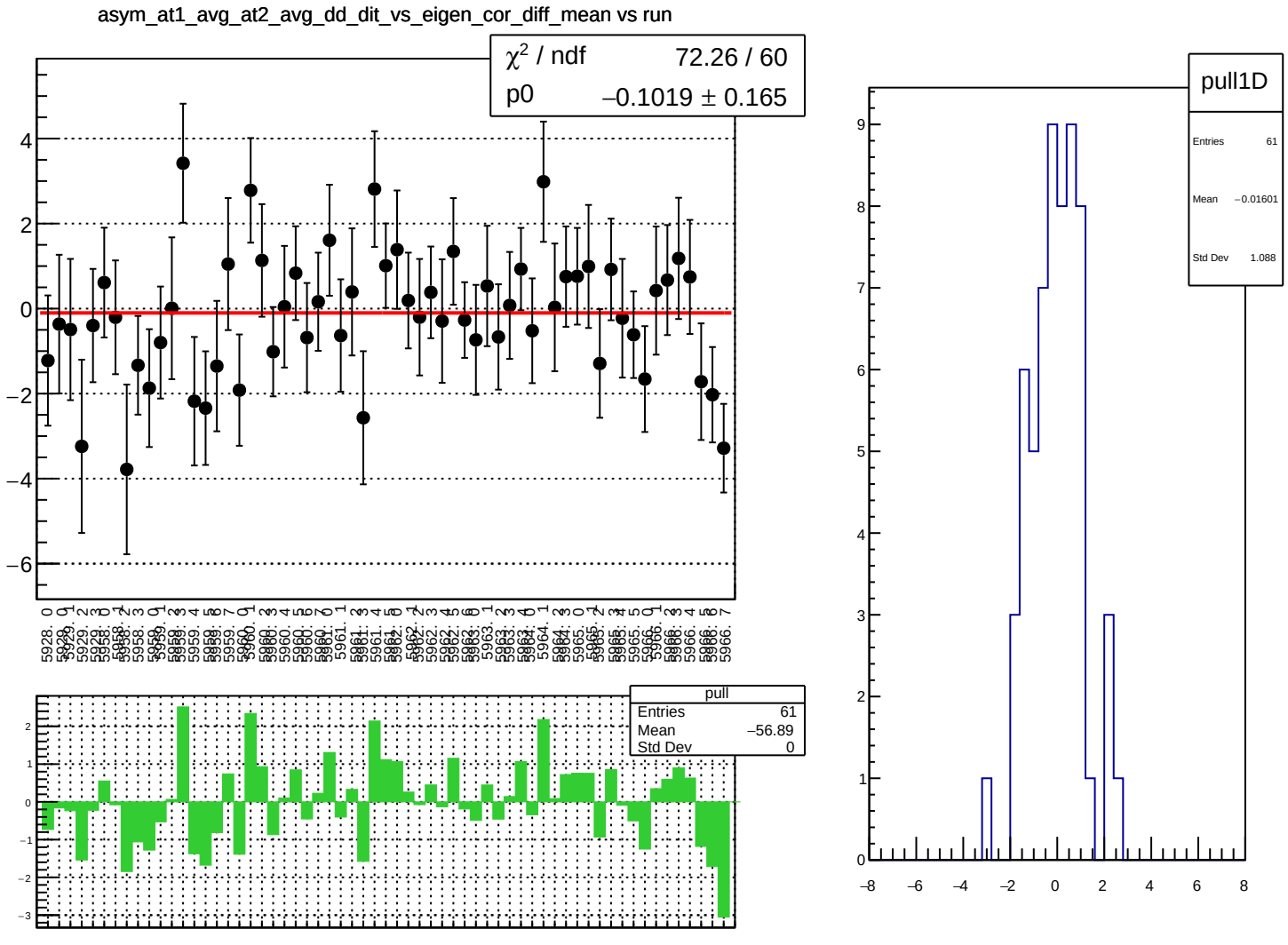

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 9490 / 60
p0 3526 ± 3.242
5000
4500
4000
3500
3000

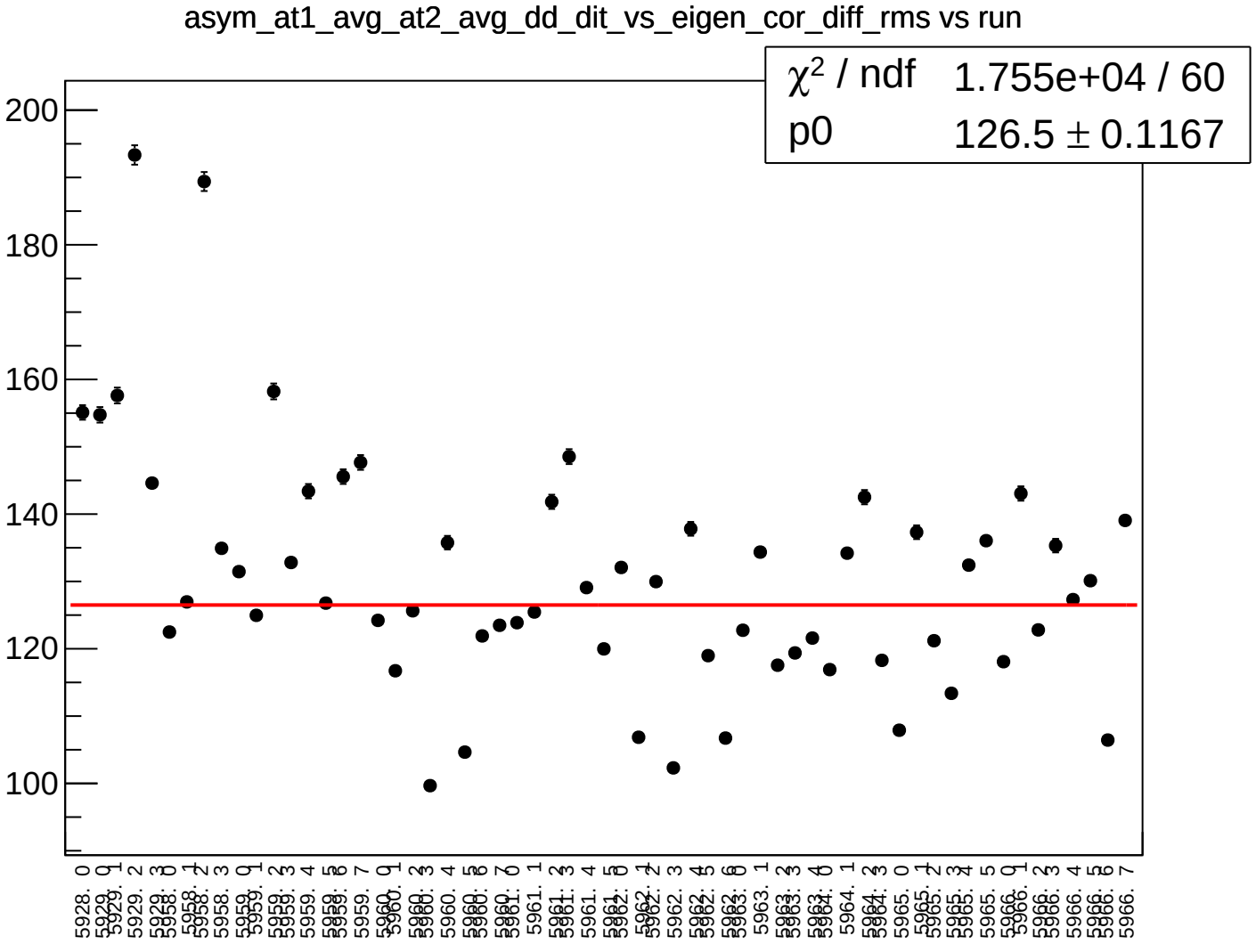

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.69 / 60
p0 −1.028e−13 ± 4.151e−13
pull
Entries 61
Mean −4.39
Std Dev 0
pull1D
Entries 61
Mean −0.103
Std Dev 1.072

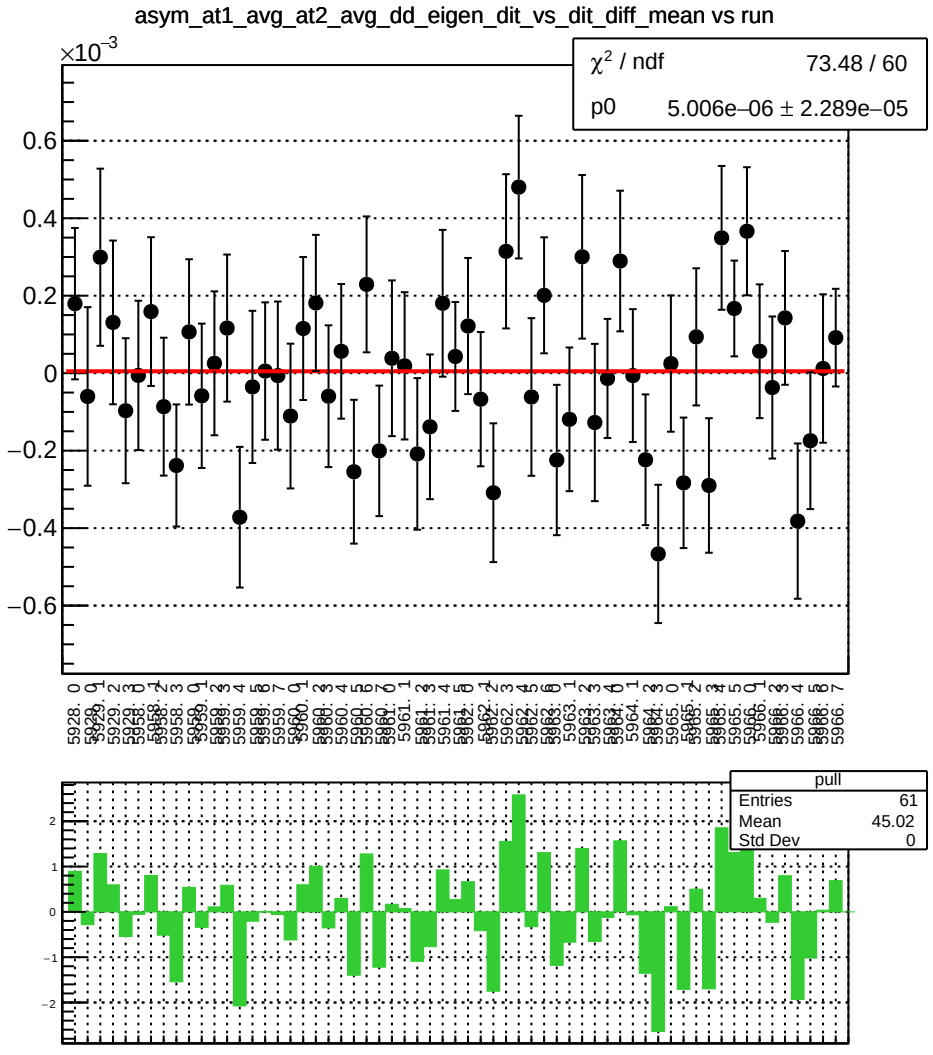

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.396e+05 / 60
p0 1.976e−10 ± 2.935e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

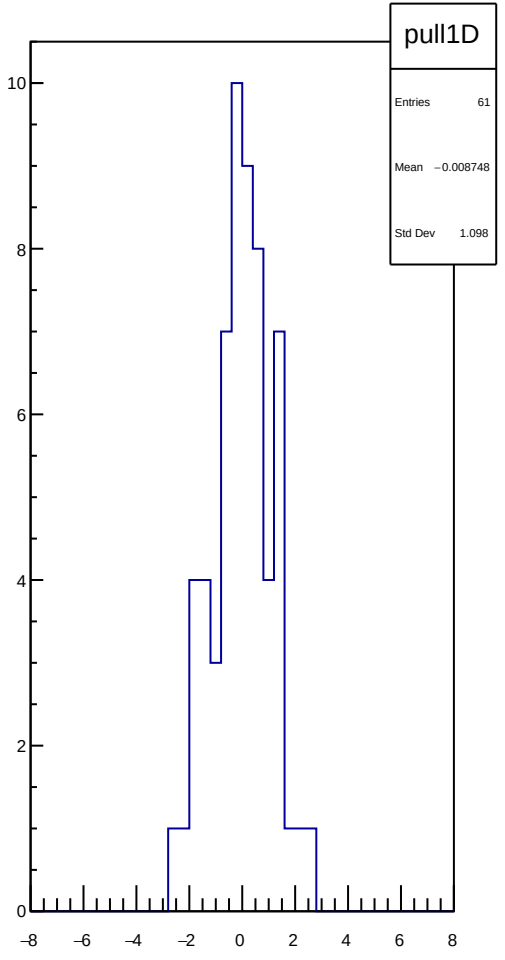

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

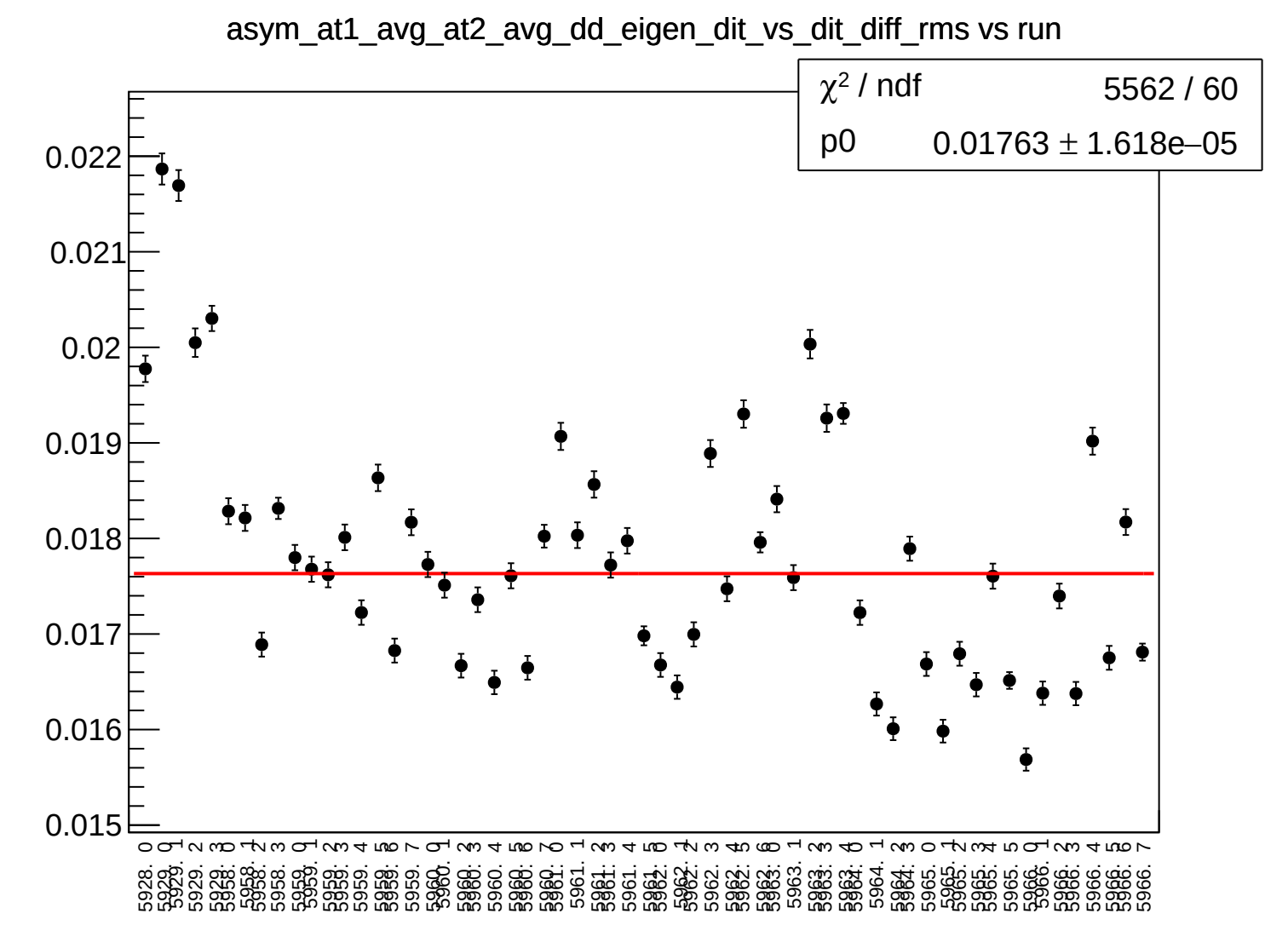

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

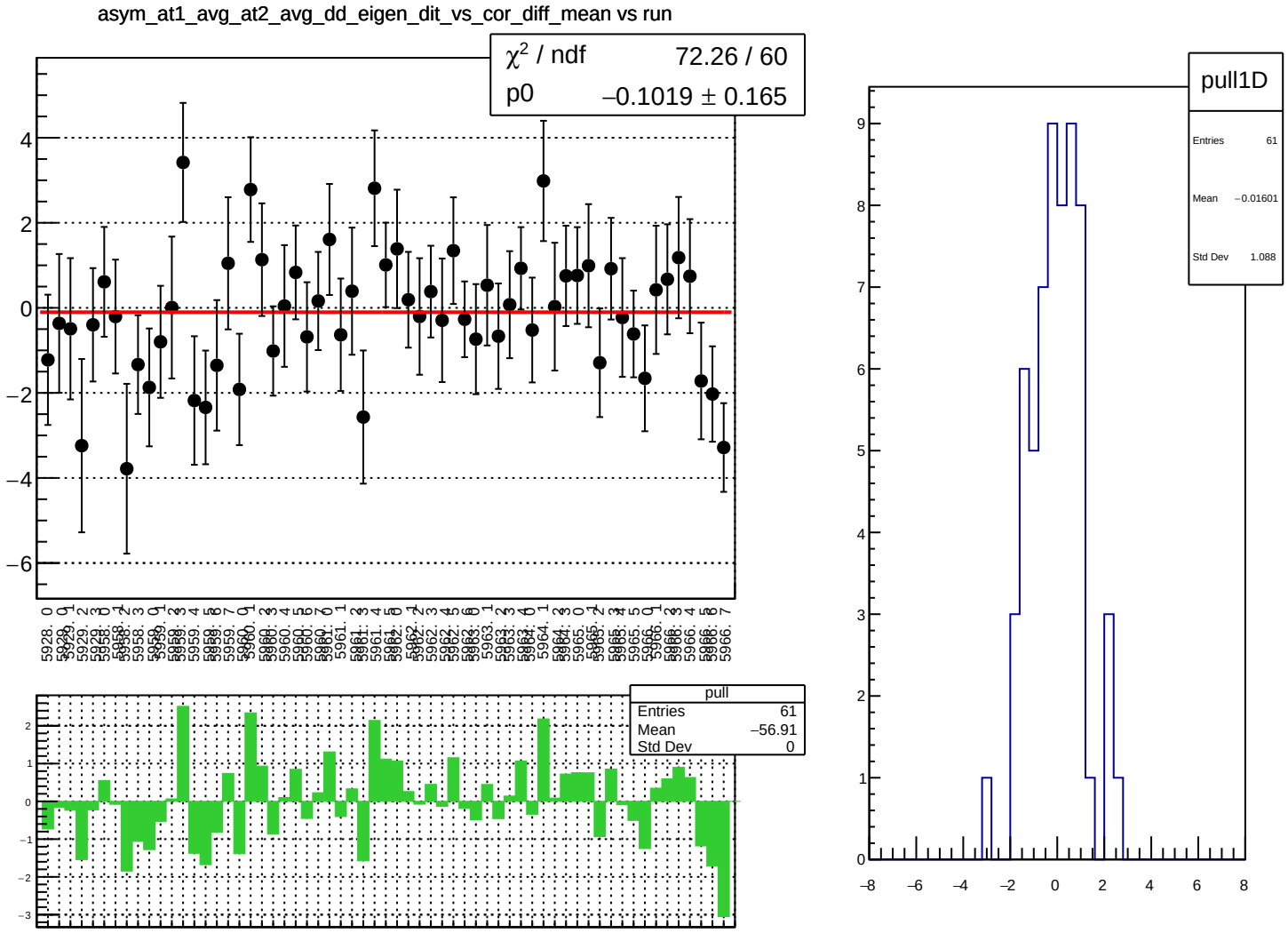

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

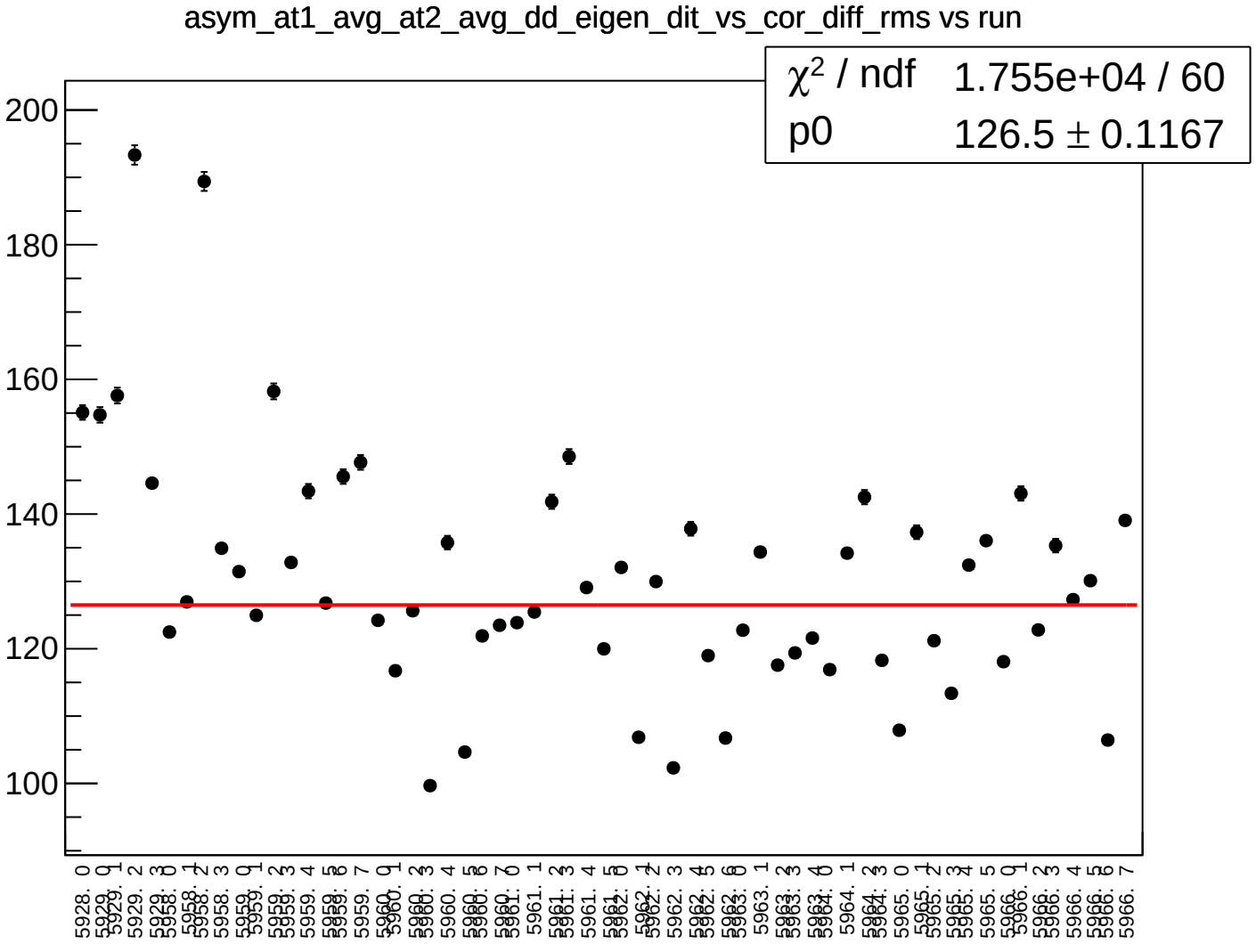

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

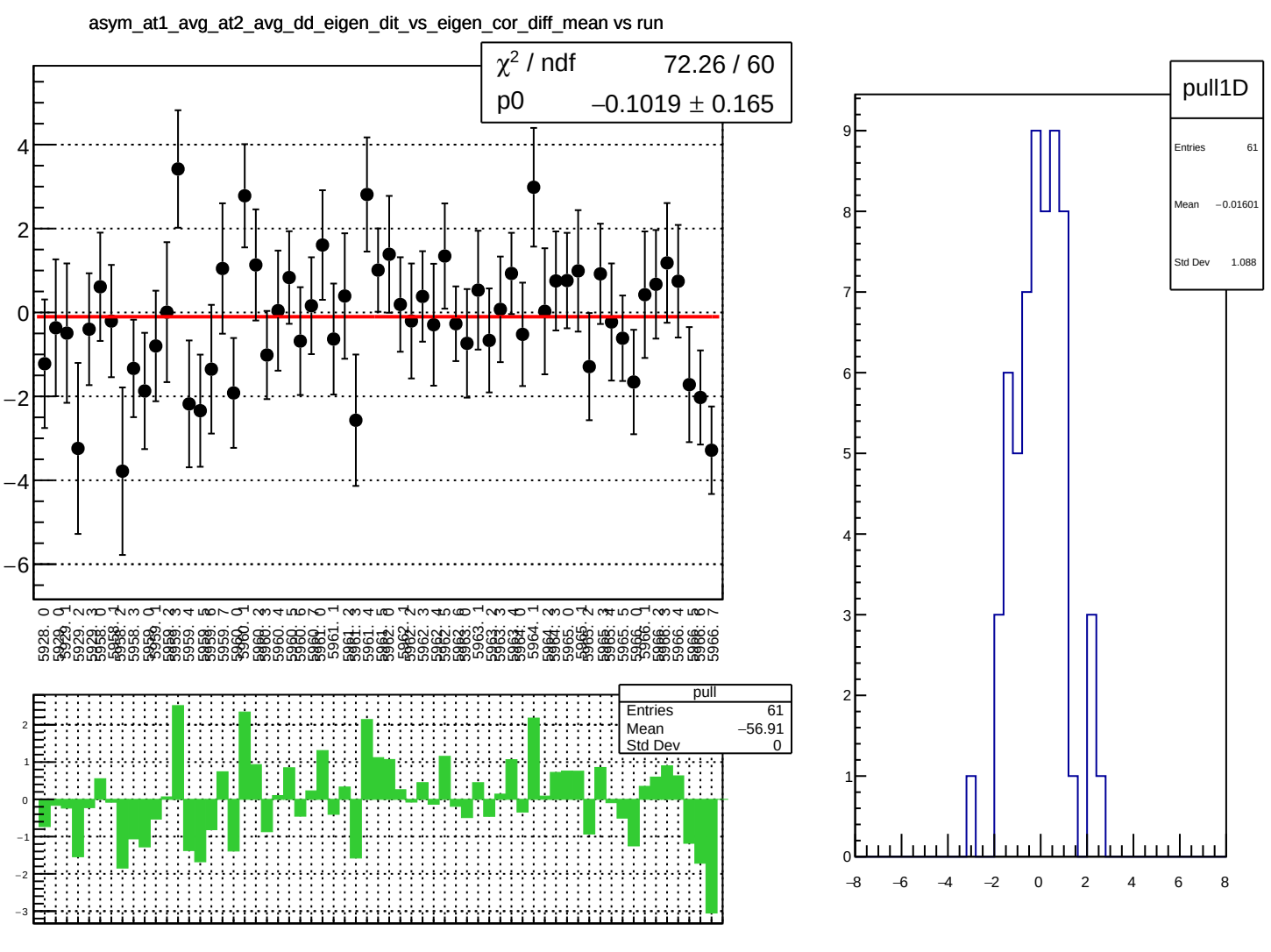

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.48 / 60
p0 5.006e−06 ± 2.289e−05
pull
Entries 61
Mean 45.02
Std Dev 0

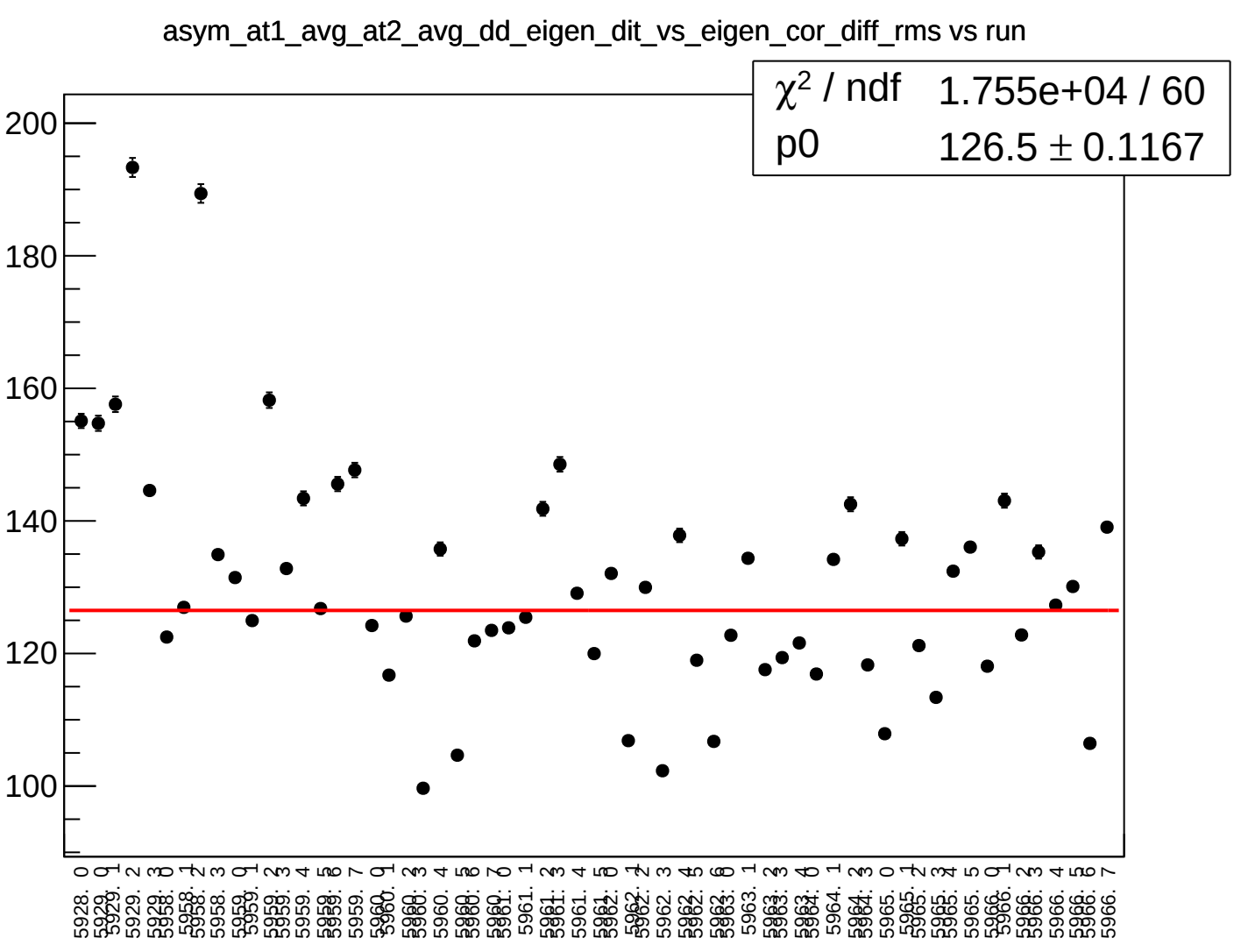

pull1D
Entries 61
Mean −0.008748
Std Dev 1.098

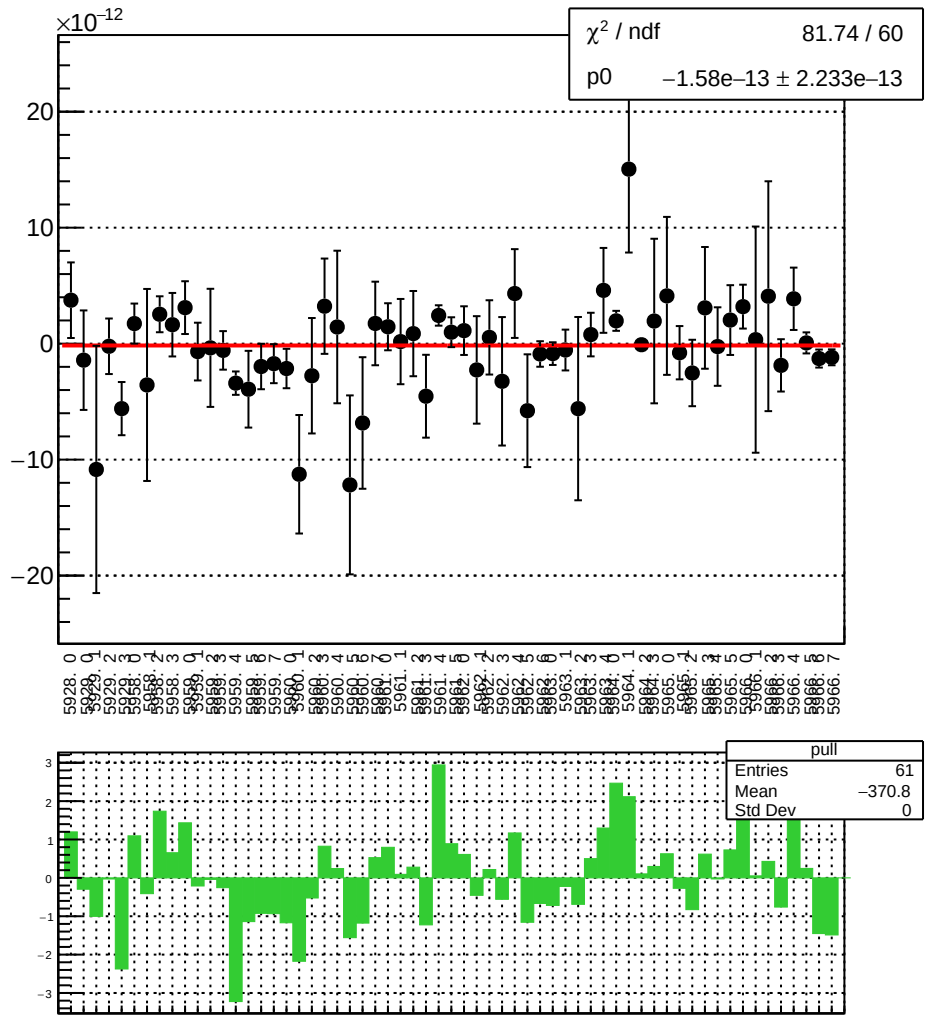

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5562 / 60
p0 0.01763 ± 1.618e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015

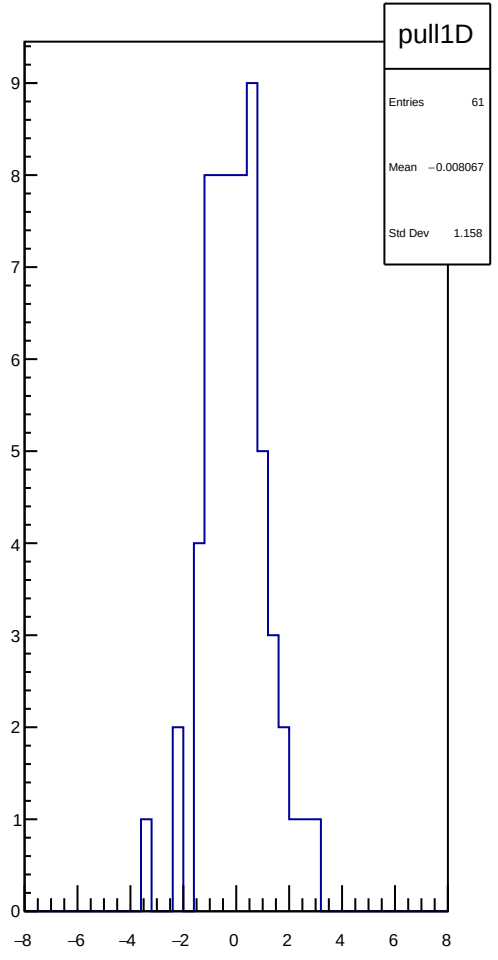

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

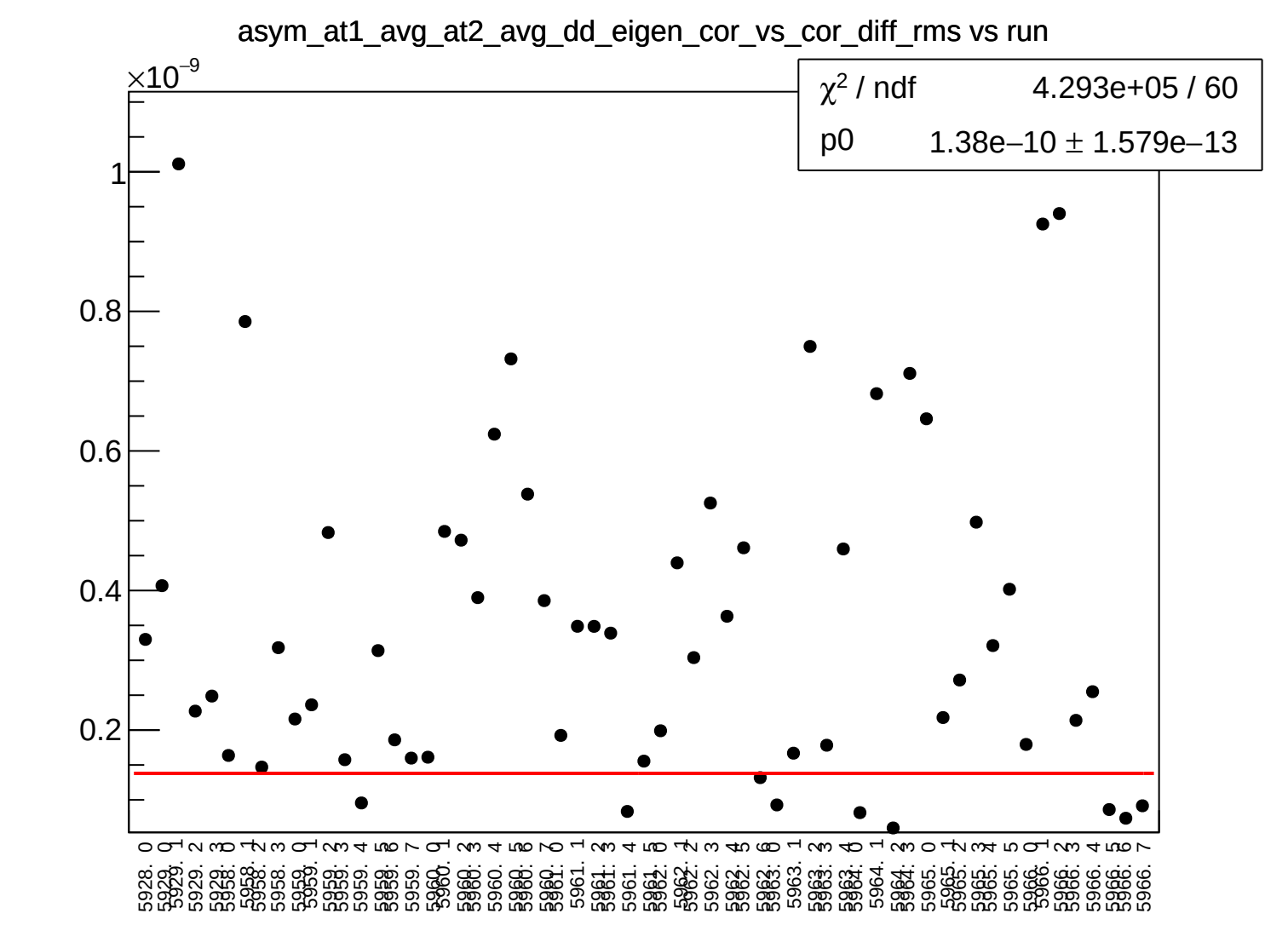

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

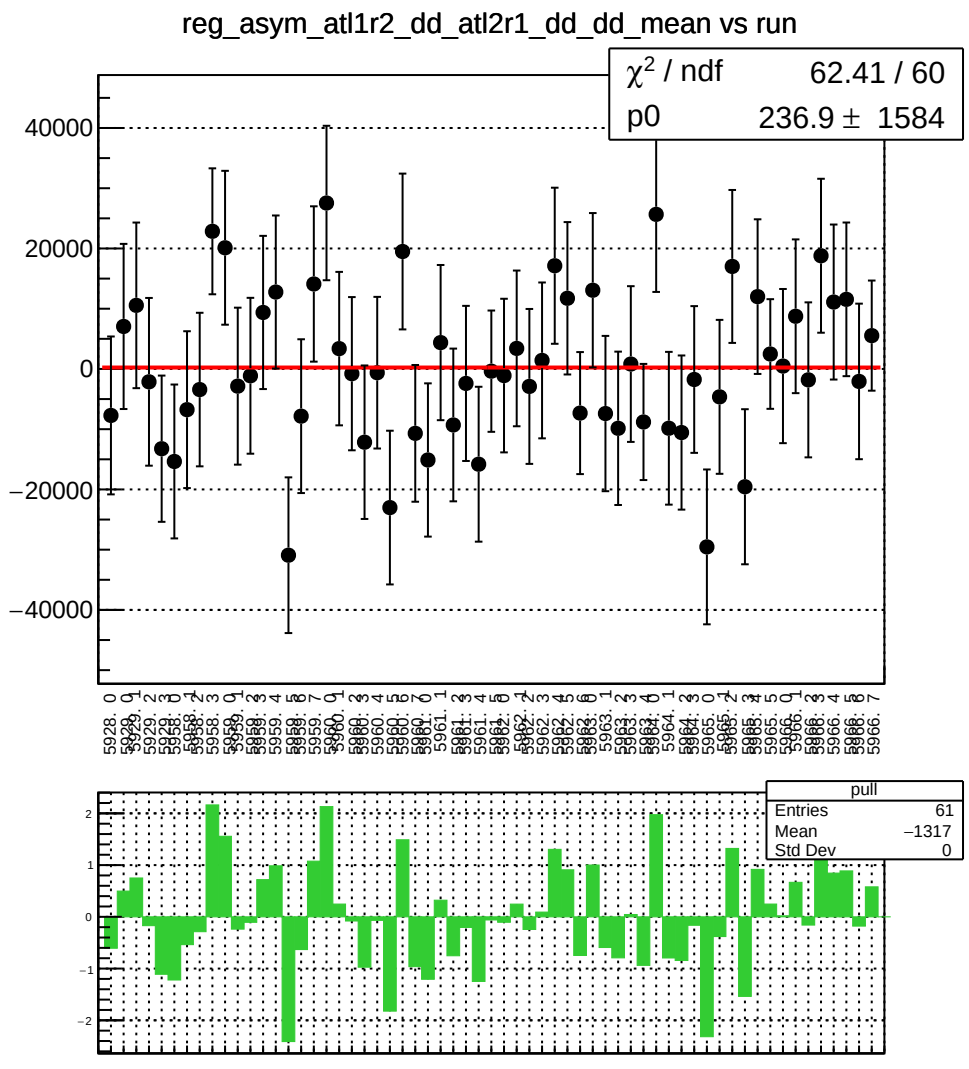

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

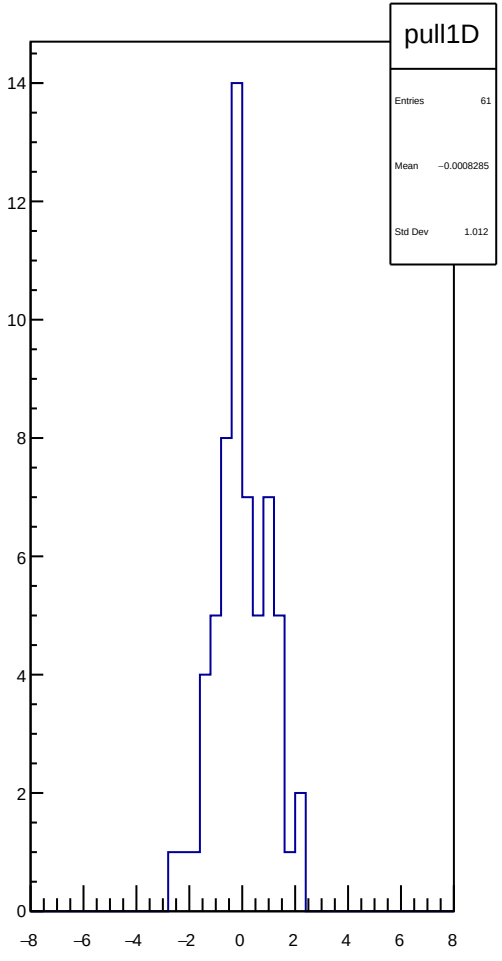

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

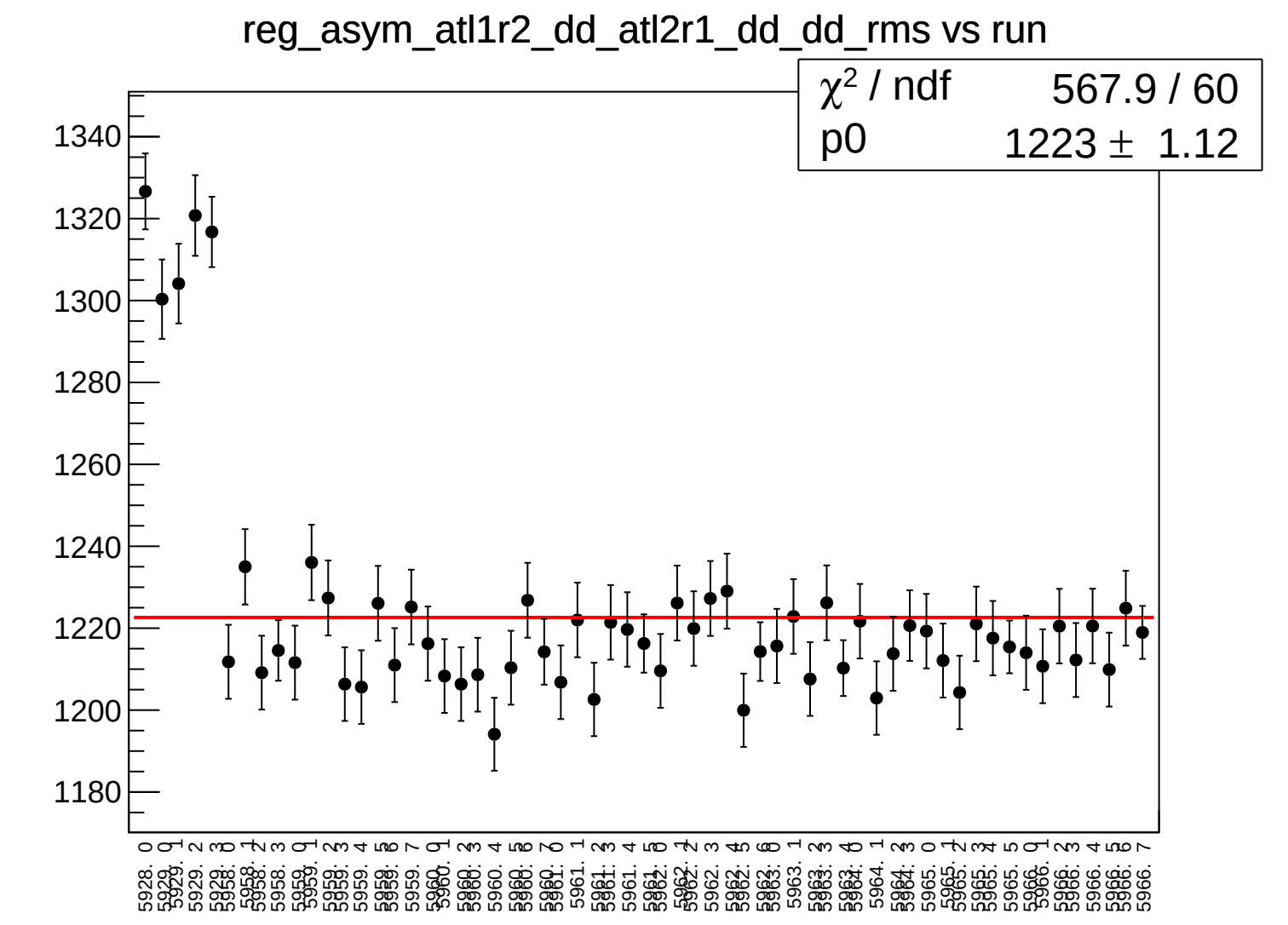

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.74 / 60
p0 −1.58e−13 ± 2.233e−13
pull
Entries 61
Mean −370.8
Std Dev 0

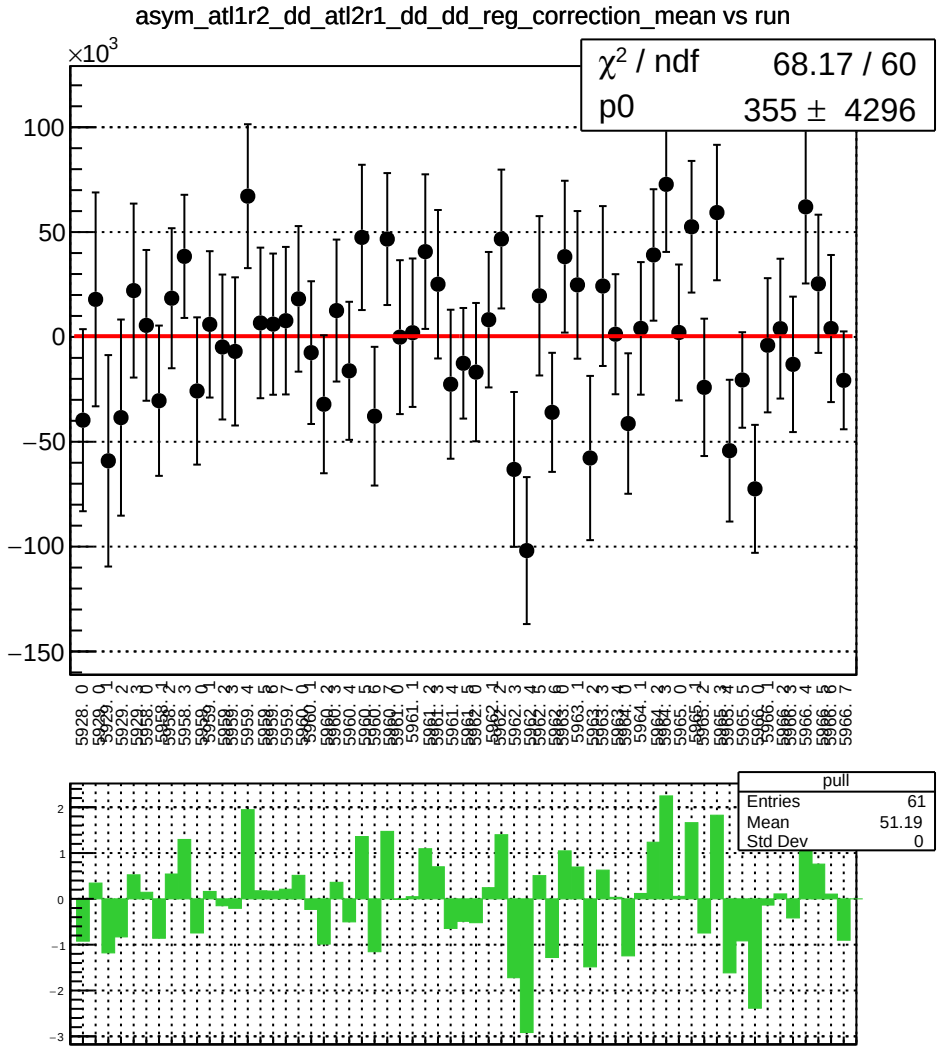

pull1D
Entries 61
Mean −0.008067
Std Dev 1.158

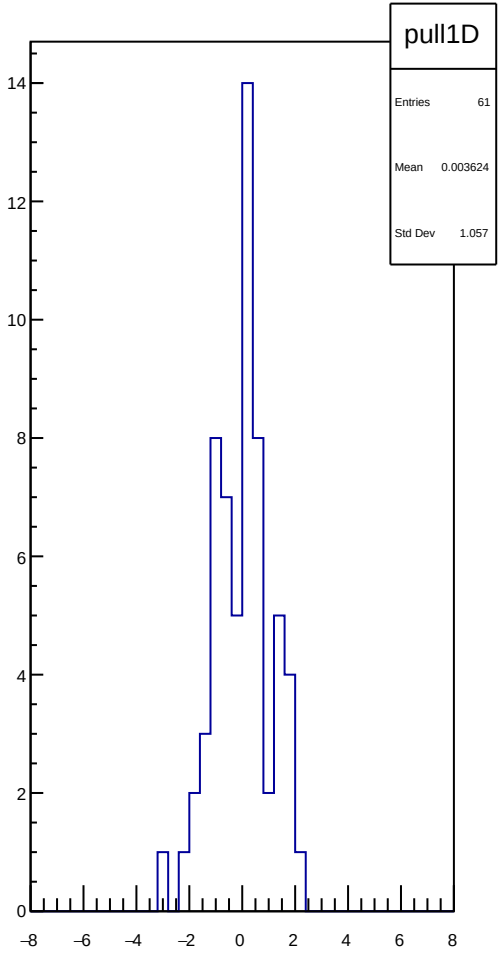

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.293e+05 / 60
p0 1.38e−10 ± 1.579e−13
1
0.8
0.6
0.4
0.2

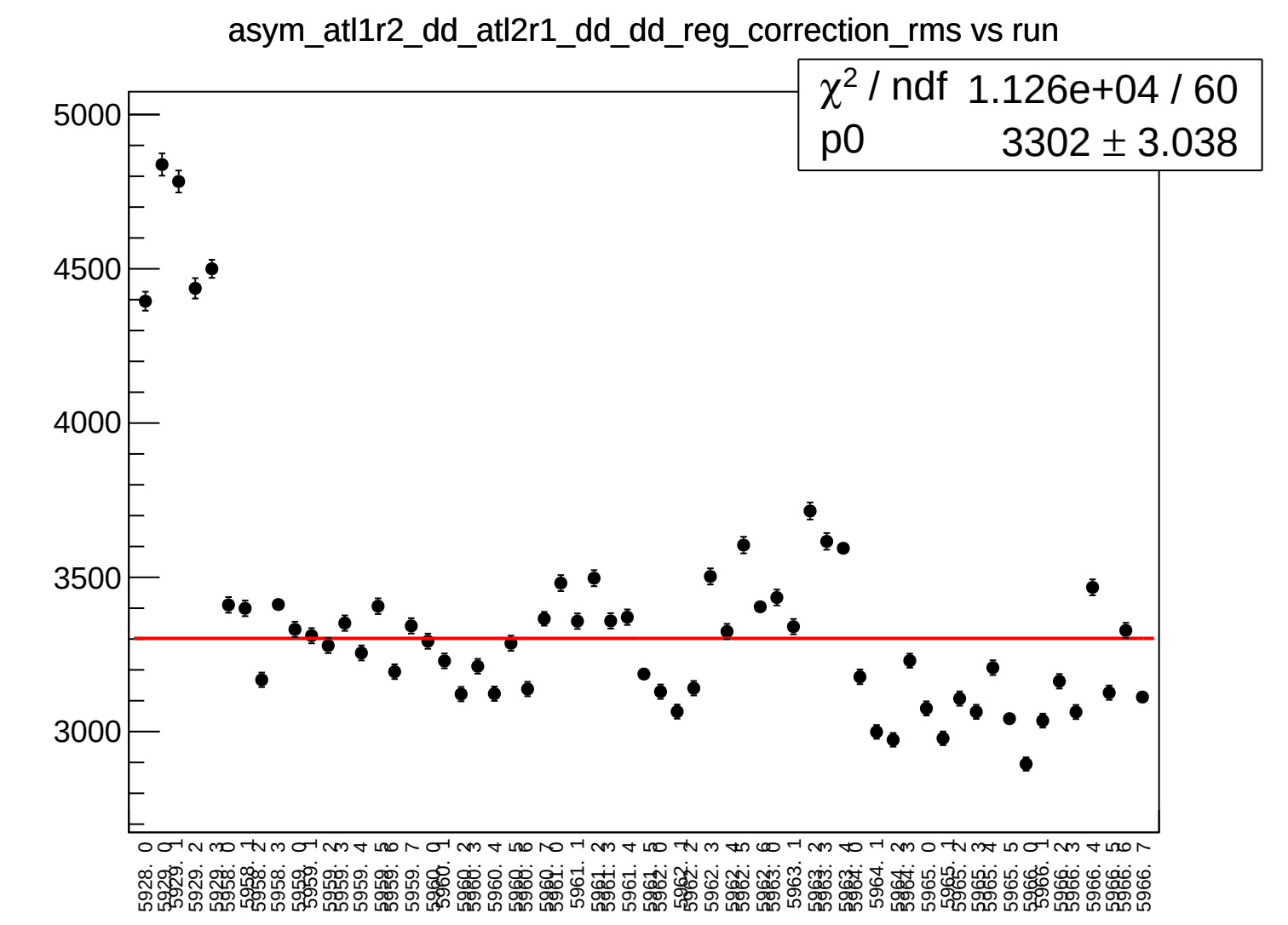

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 62.41 / 60
p0 236.9 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

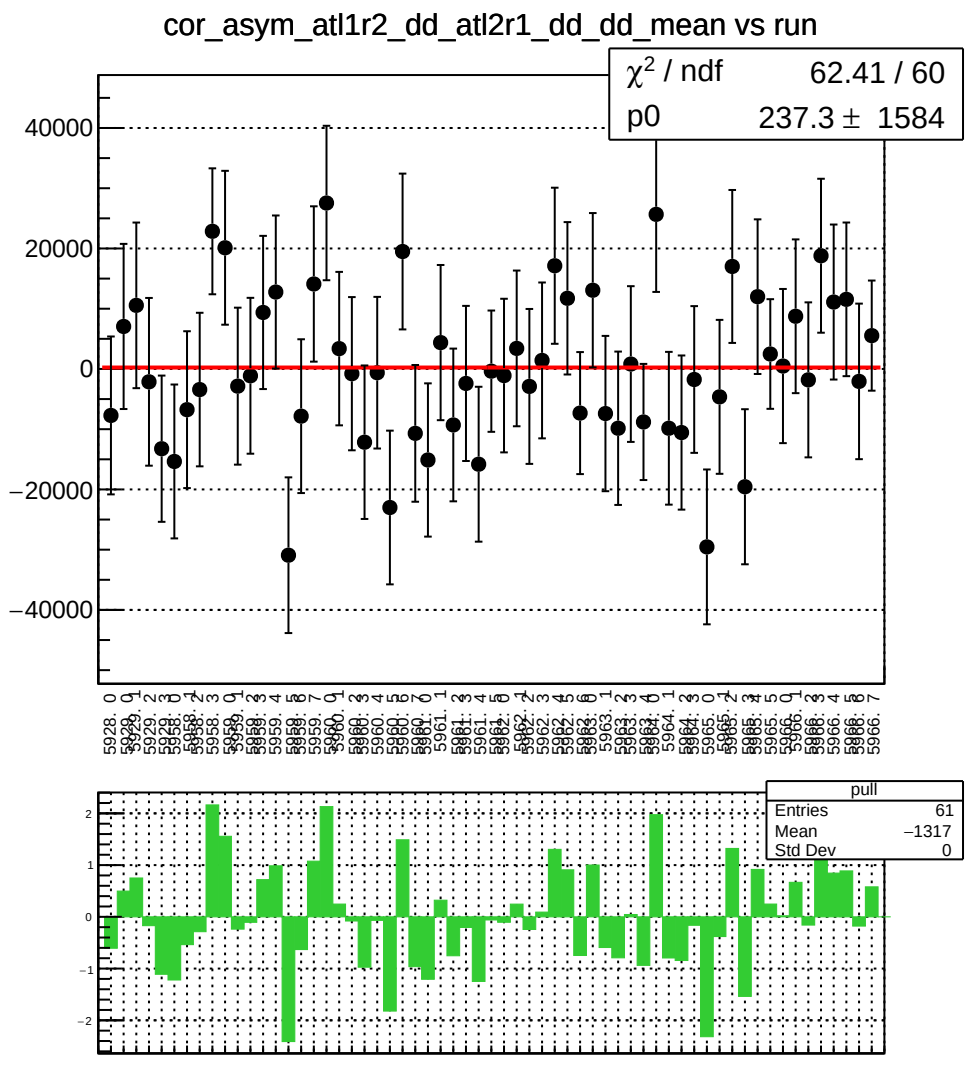

pull1D
Entries 61
Mean −0.0008285
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

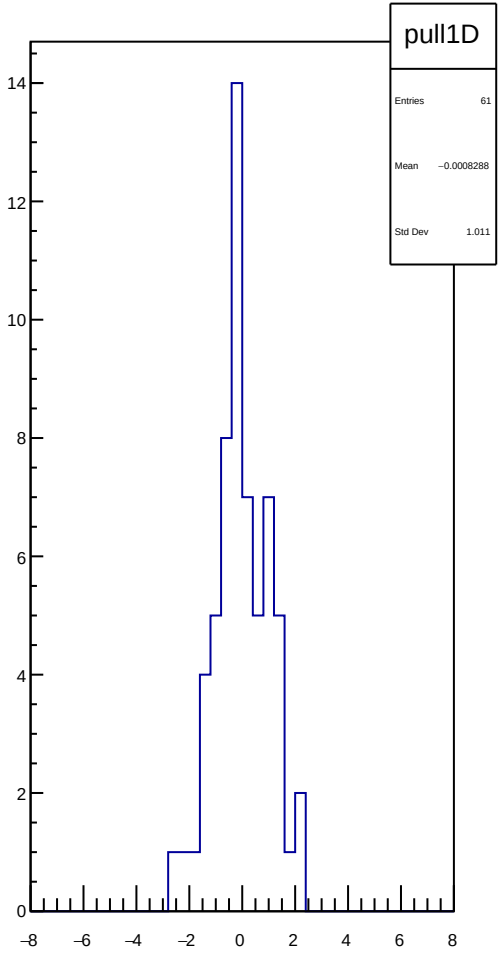

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

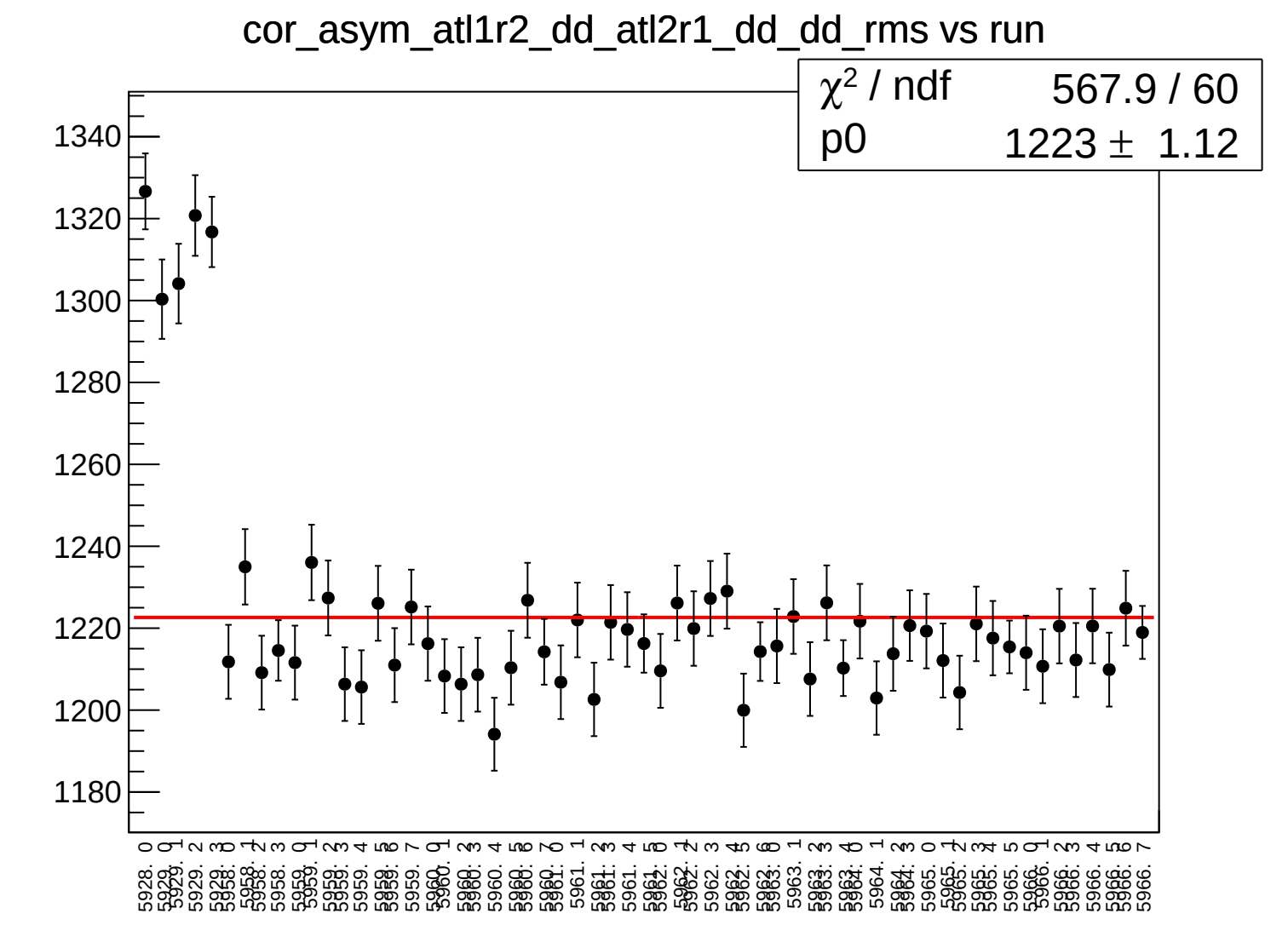

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 355 ± 4296
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.19
Std Dev 0
2
1
0
−1
−2
−3

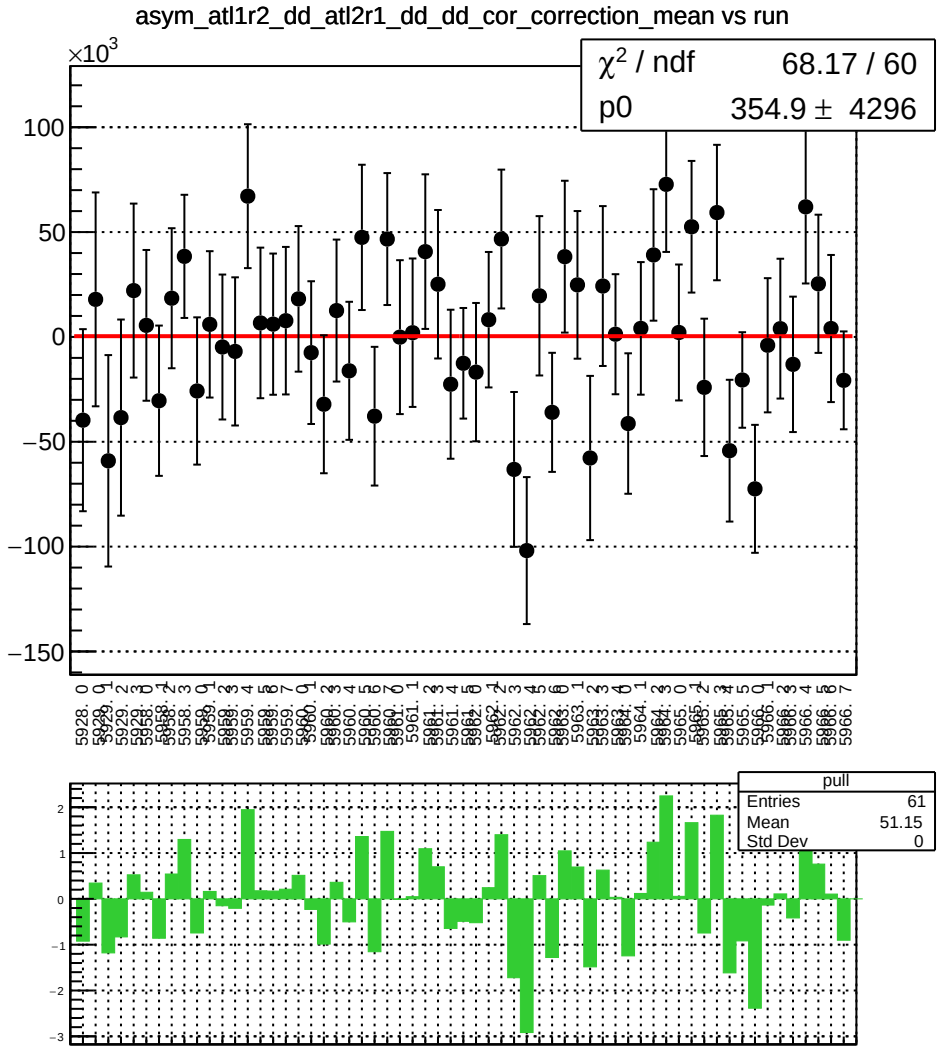

pull1D
Entries 61
Mean 0.003624
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

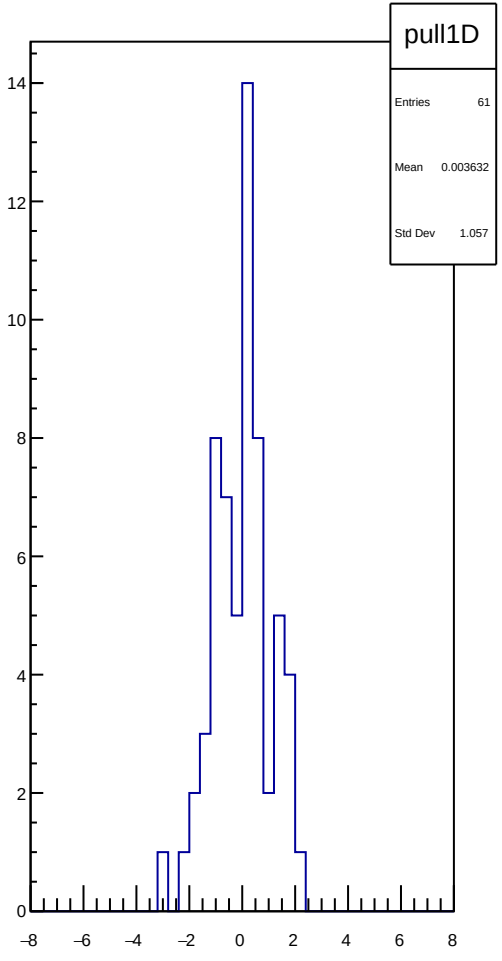

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

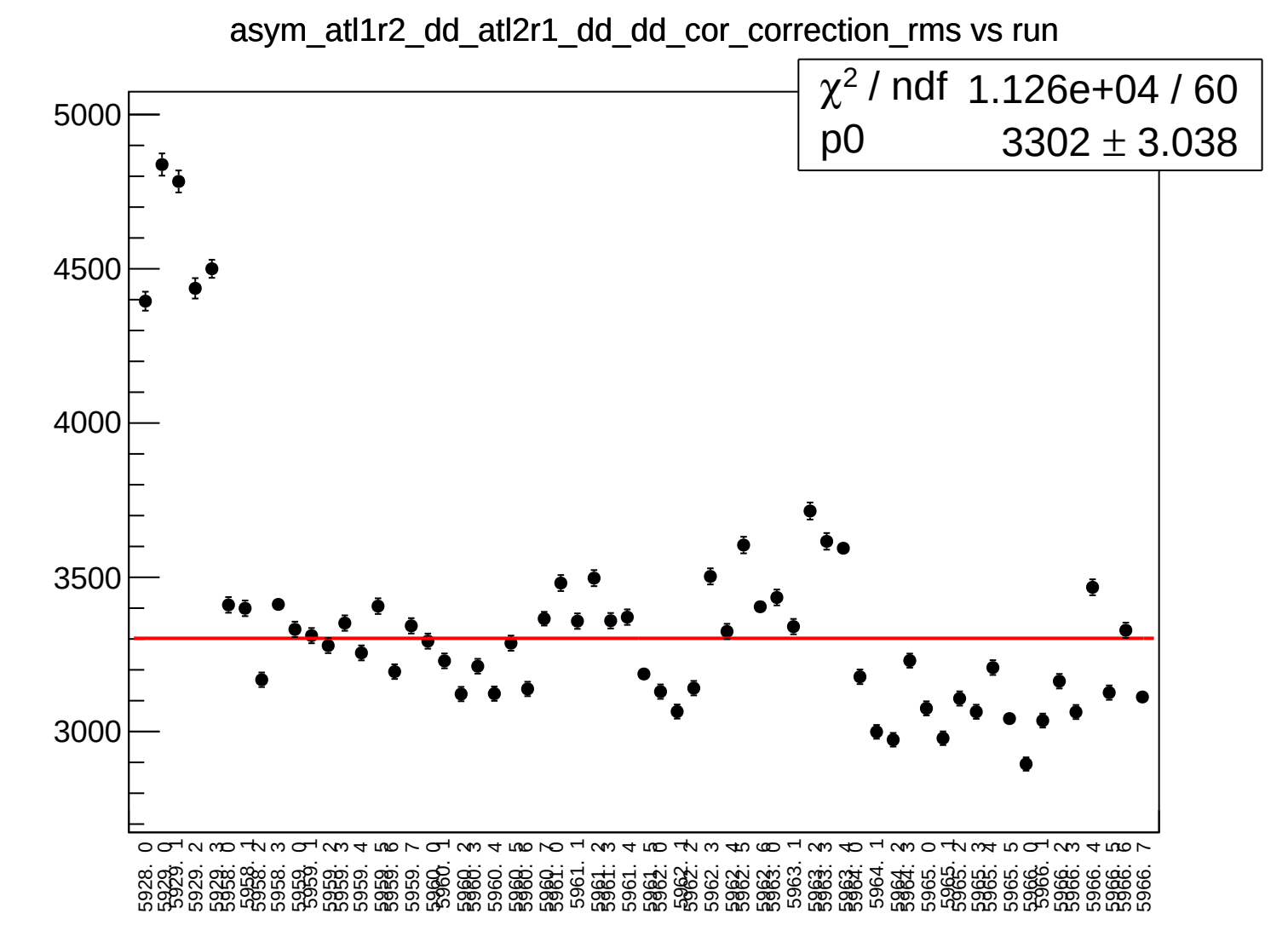

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

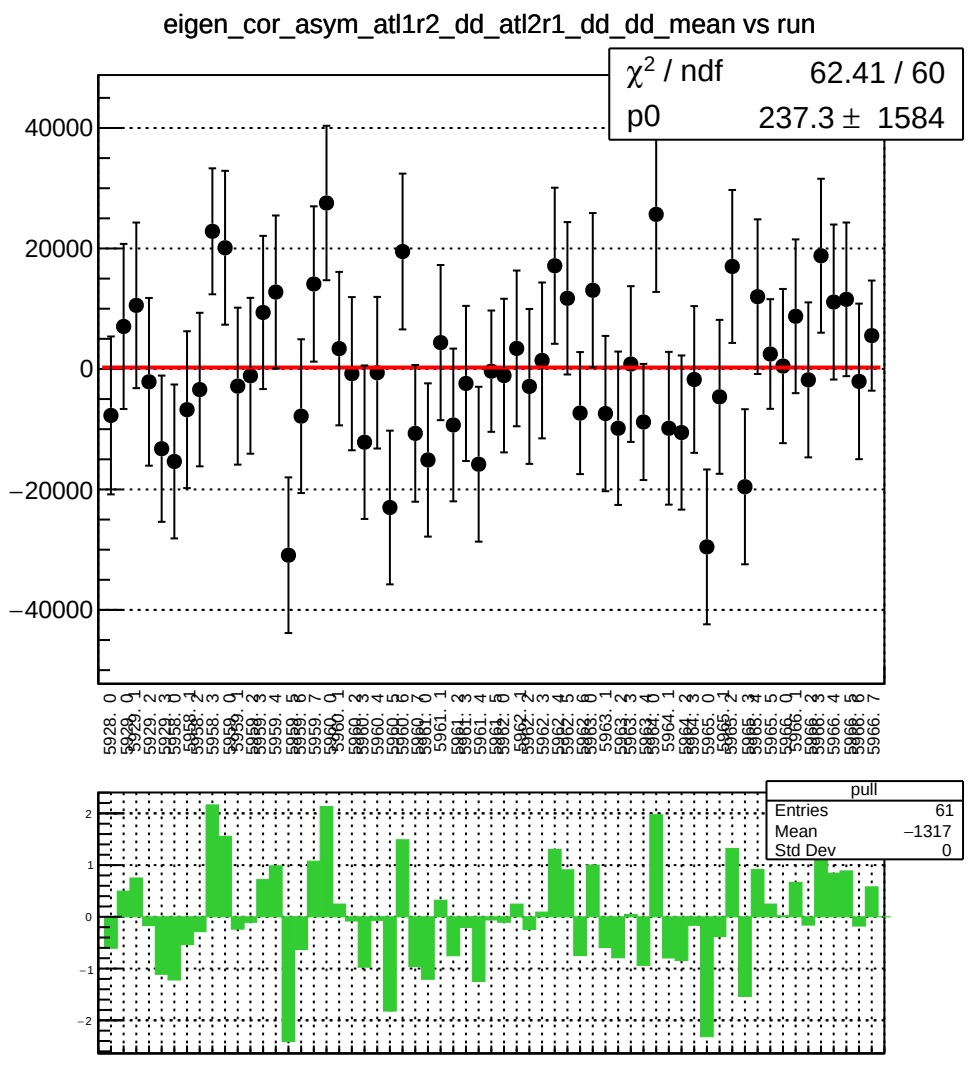

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

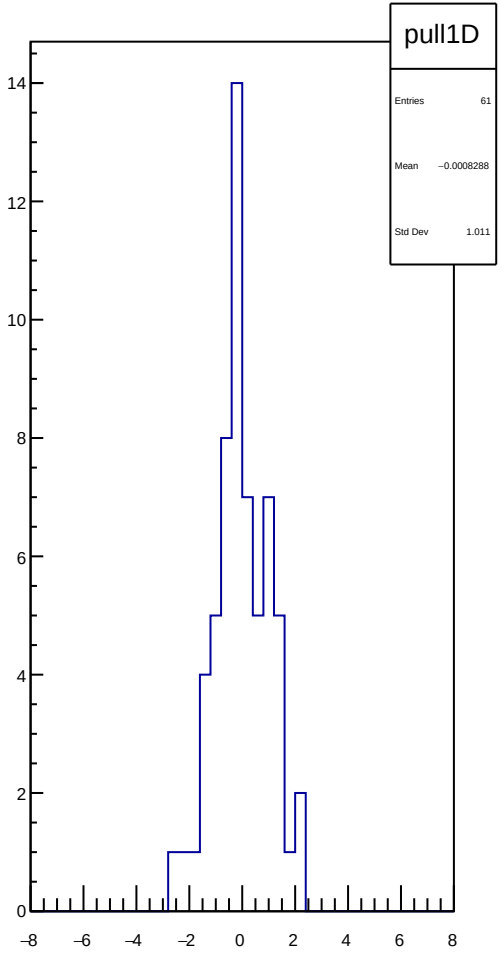

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

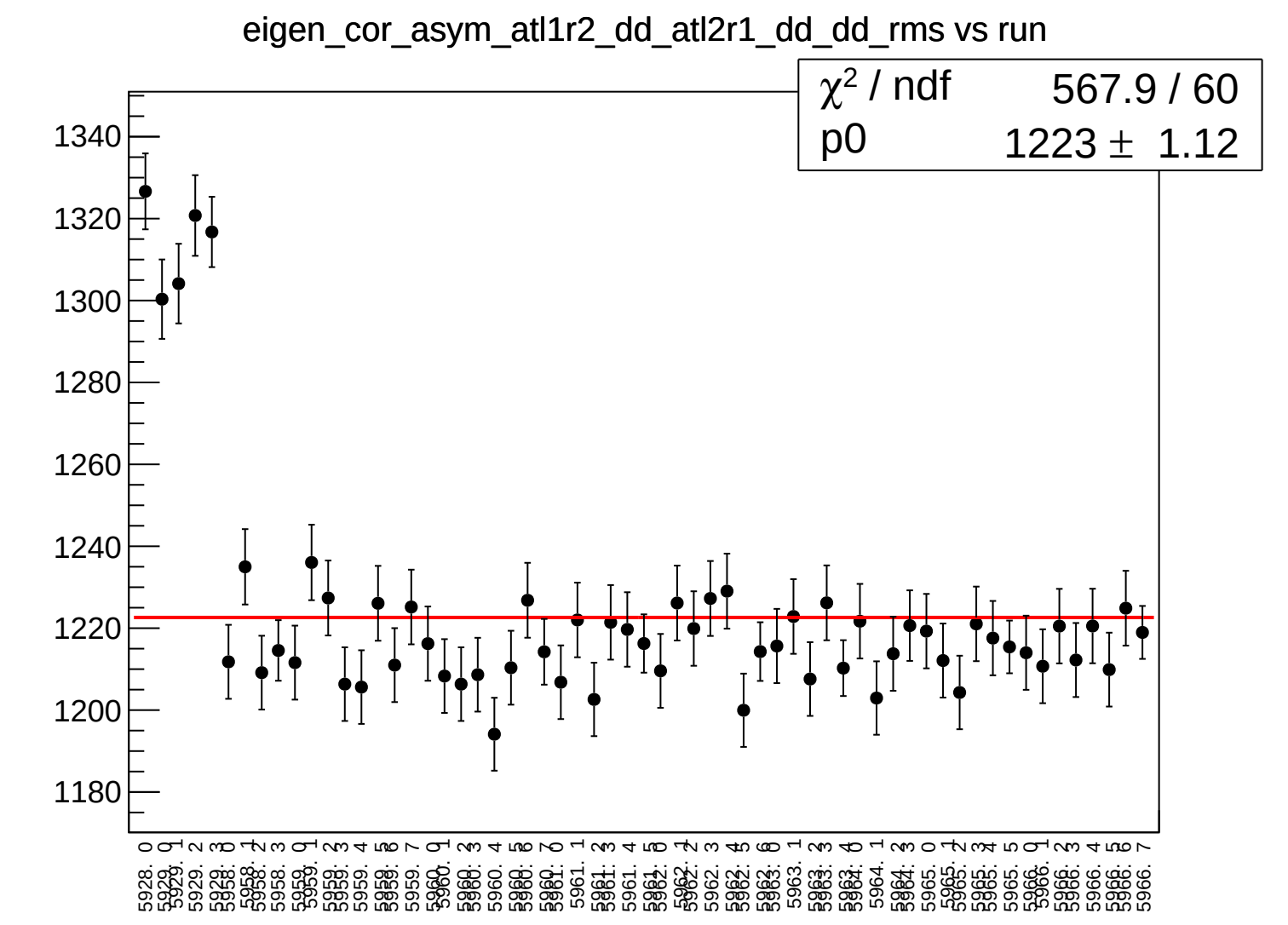

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
pull
Entries 61
Mean 51.15
Std Dev 0

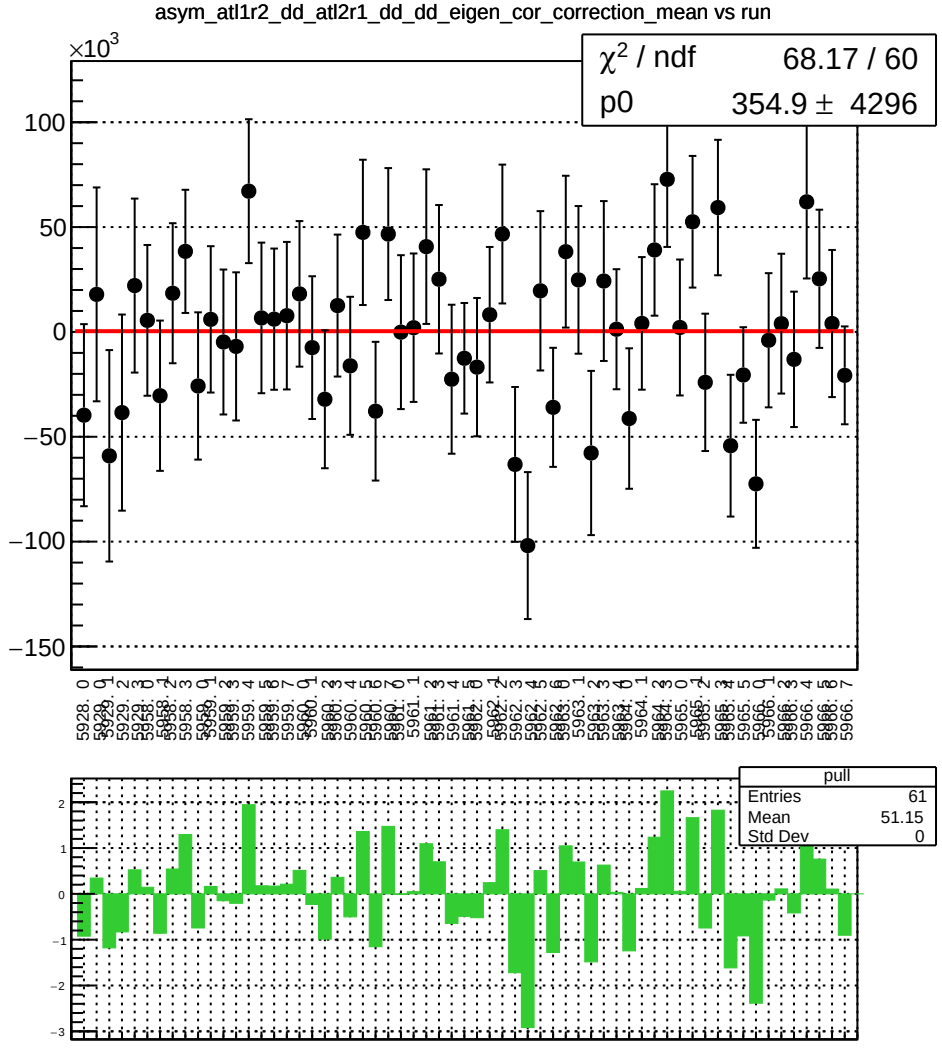

pull1D
Entries 61
Mean 0.003632
Std Dev 1.057

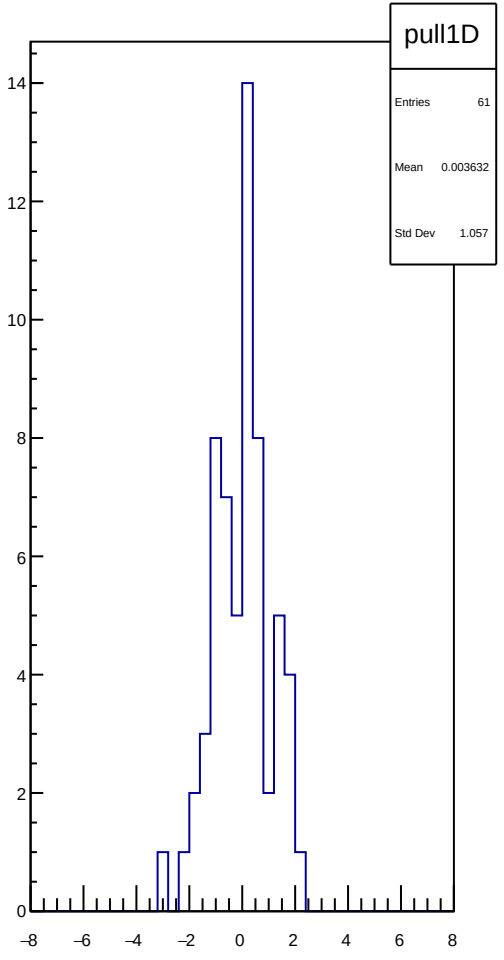

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

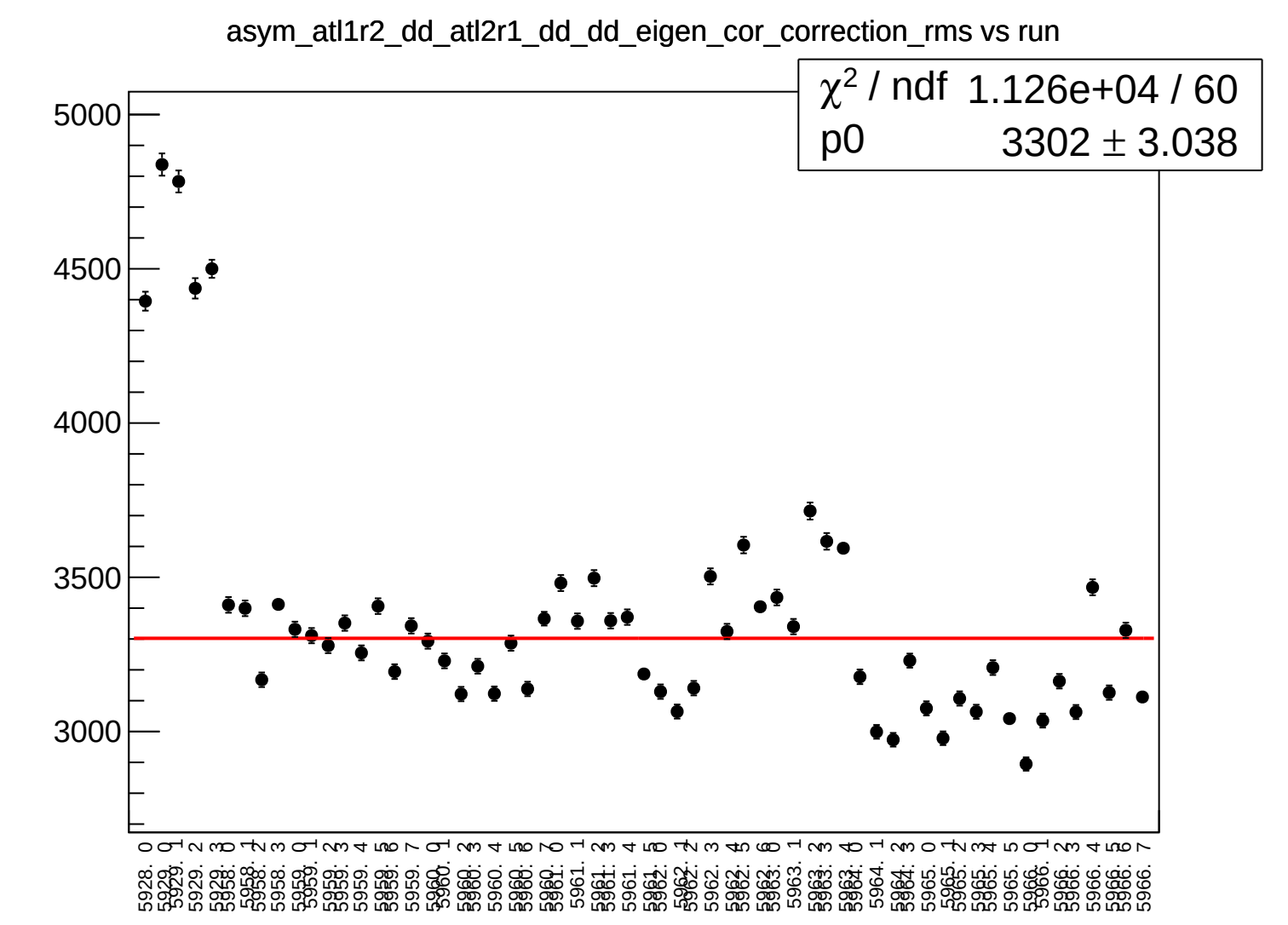

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 62.41 / 60
p0 237.3 ± 1584
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1317
Std Dev 0
2
1
0
−1
−2

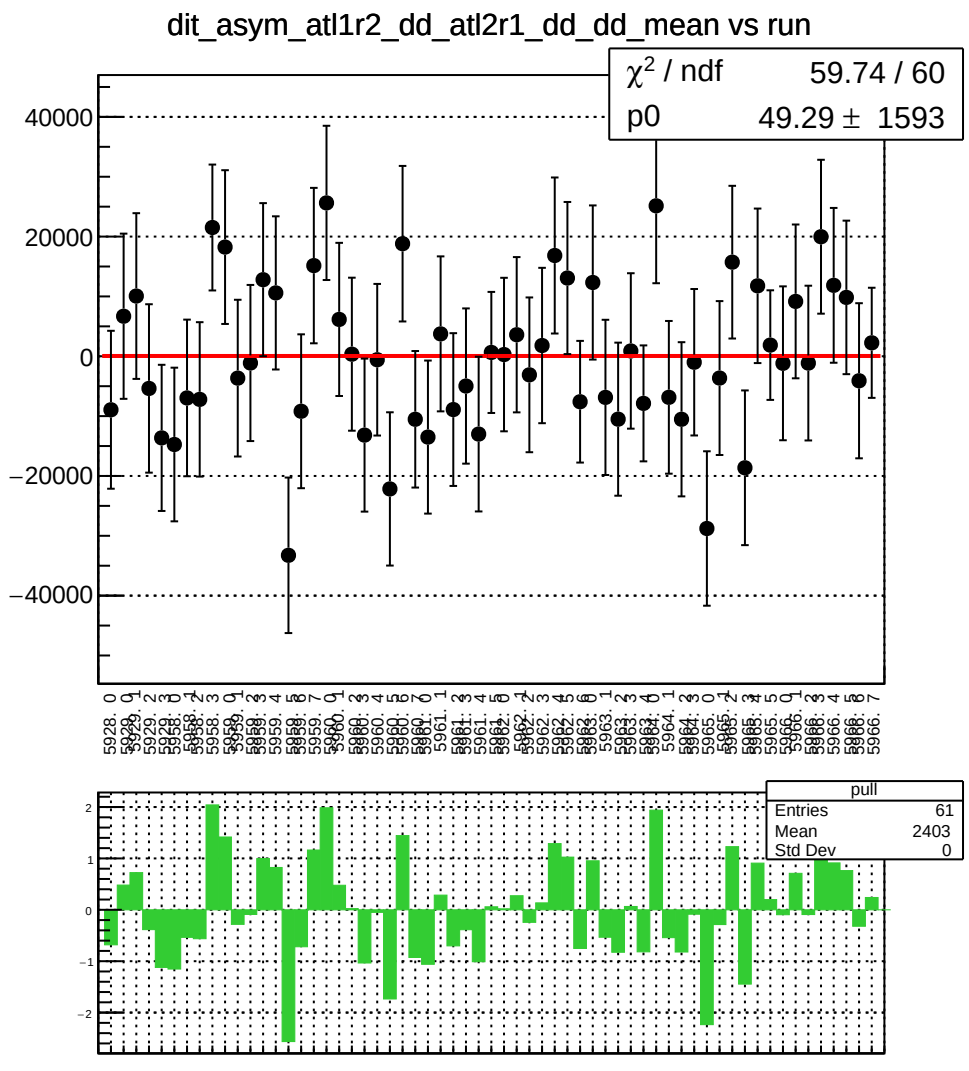

pull1D
Entries 61
Mean −0.0008288
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

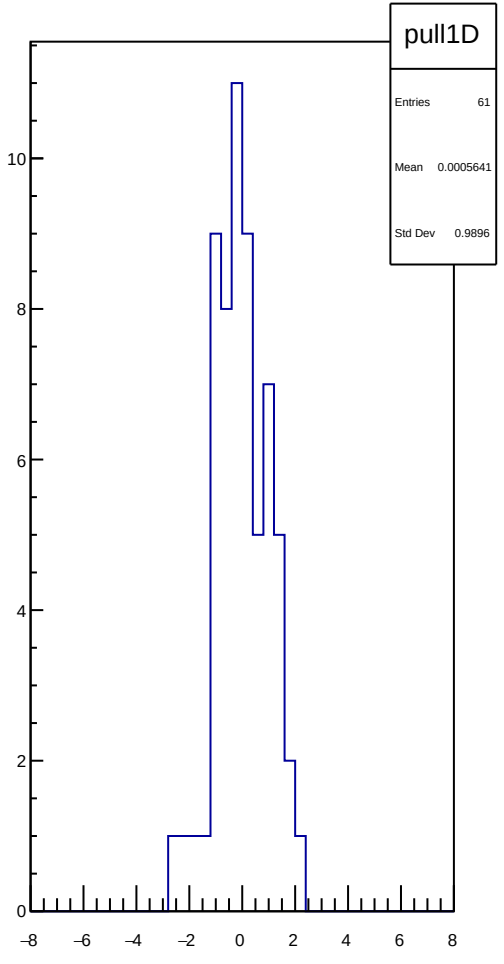

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 567.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

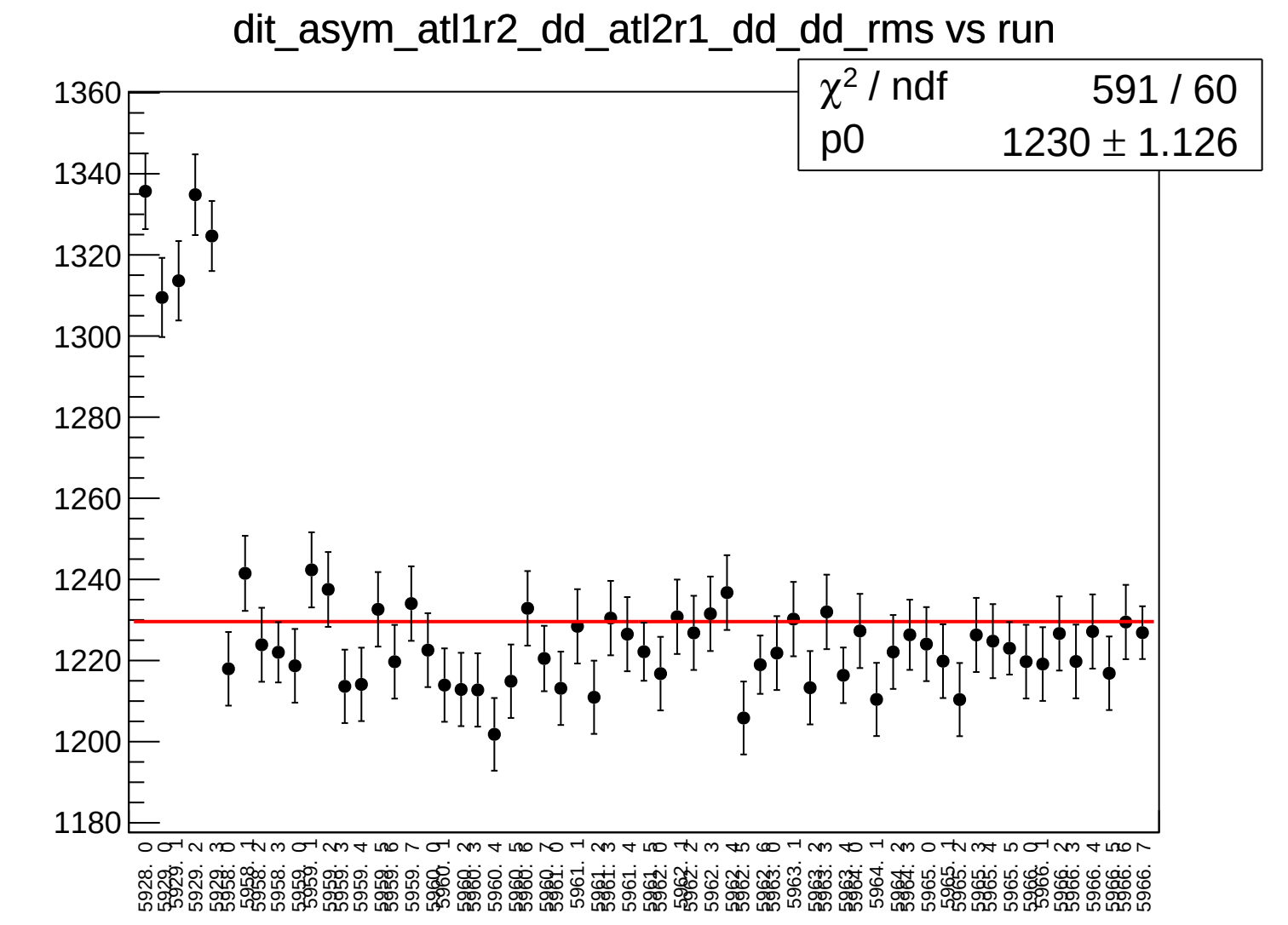

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.17 / 60
p0 354.9 ± 4296
100
50
0
−50
−100
−150
pull
Entries 61
Mean 51.15
Std Dev 0
2
1
0
−1
−2
−3

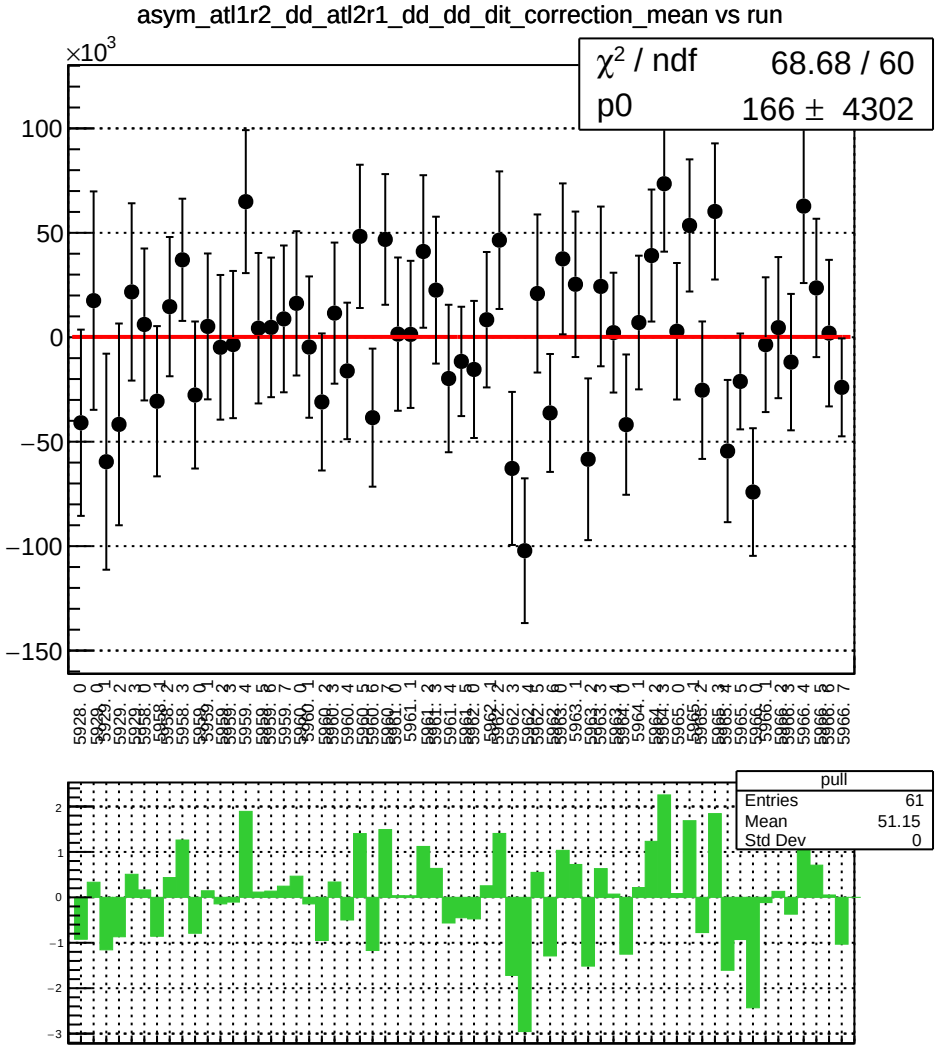

pull1D
Entries 61
Mean 0.003632
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

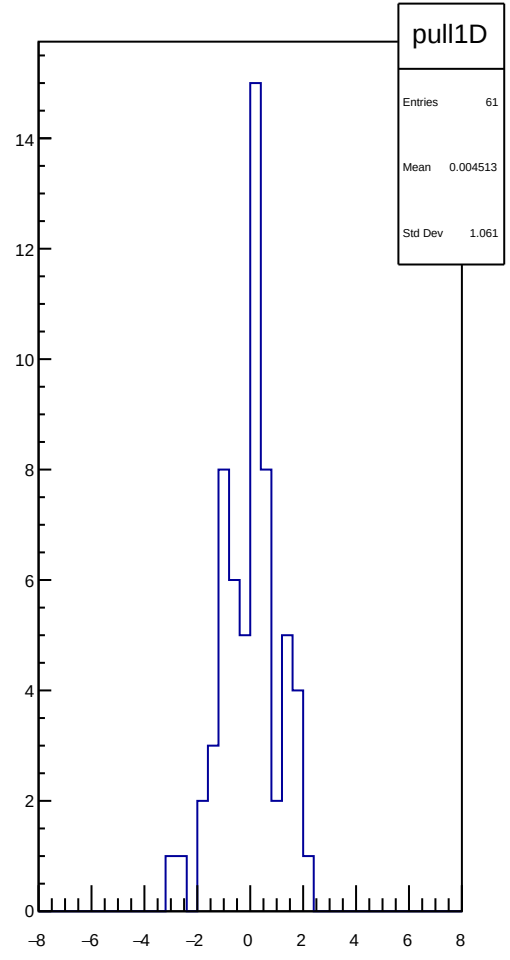

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.126e+04 / 60
p0 3302 ± 3.038
5000
4500
4000
3500
3000

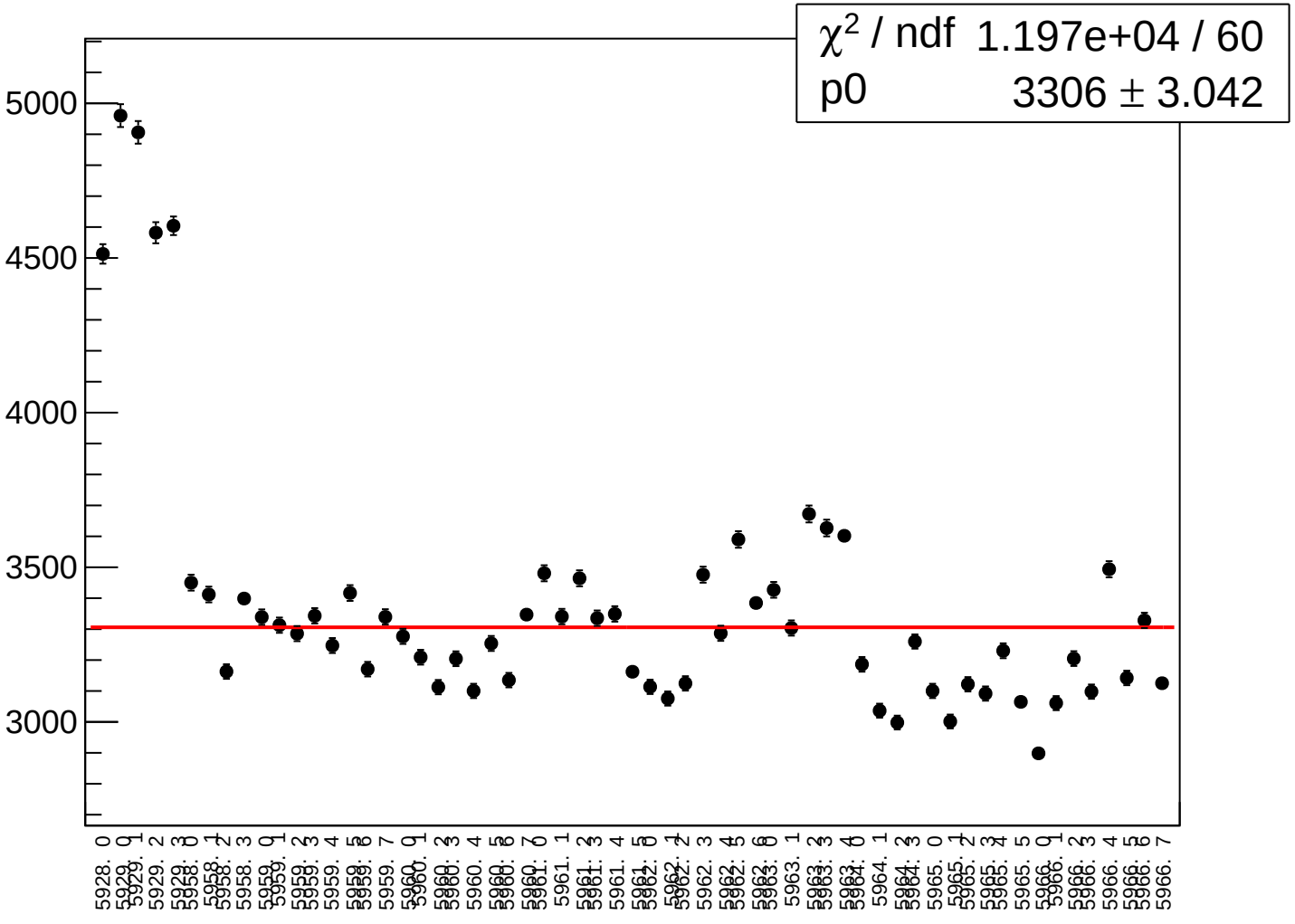

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 59.74 / 60
p0 49.29 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

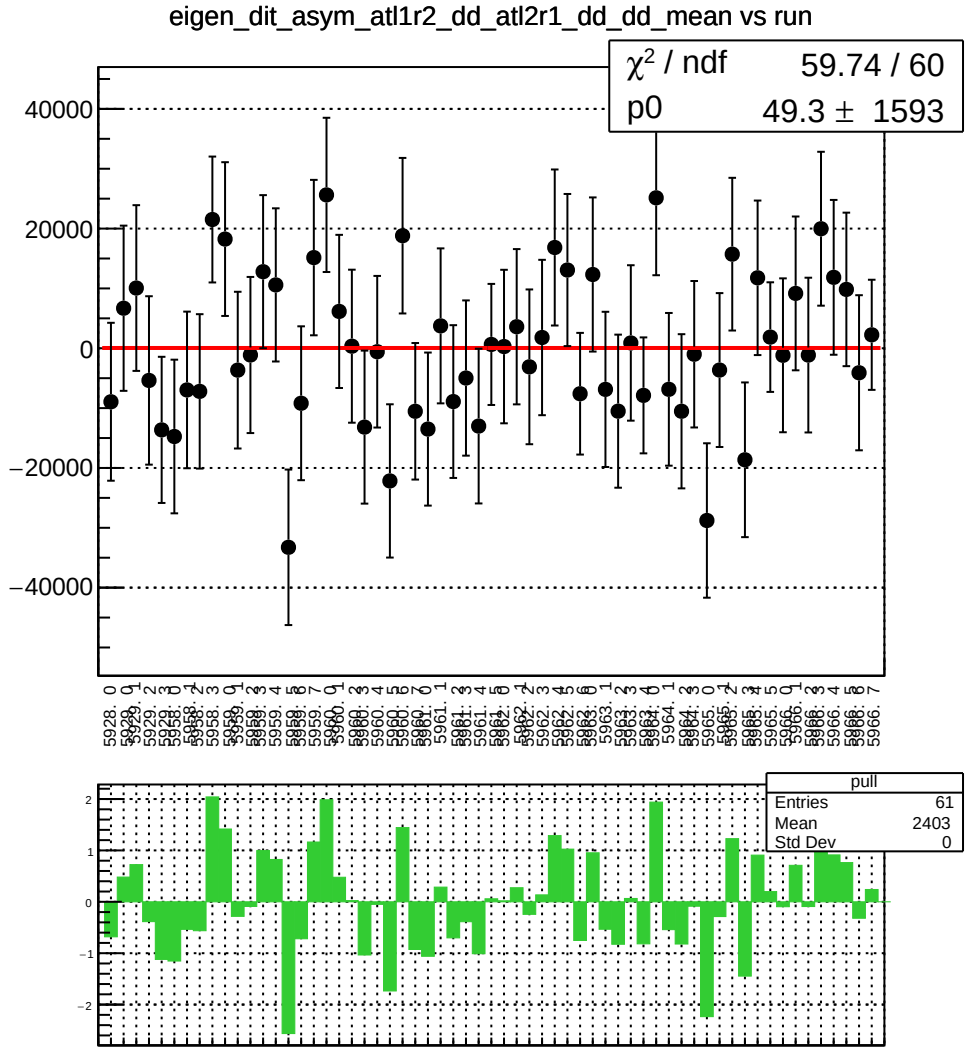

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

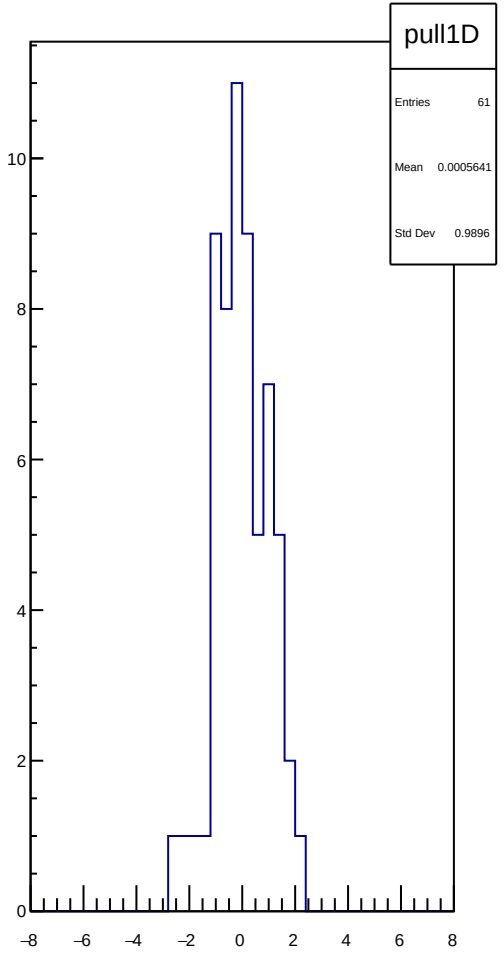

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 591 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

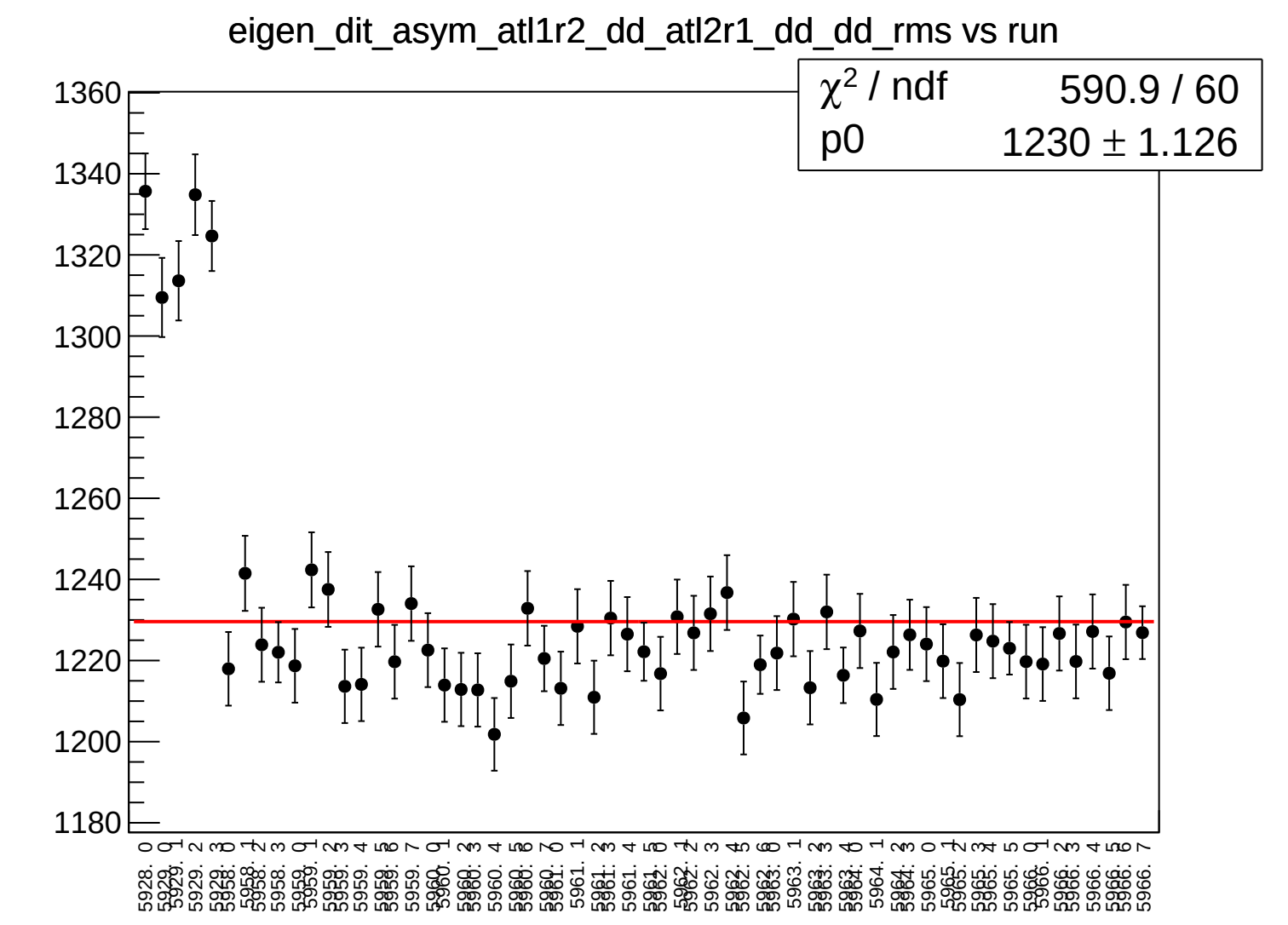

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0

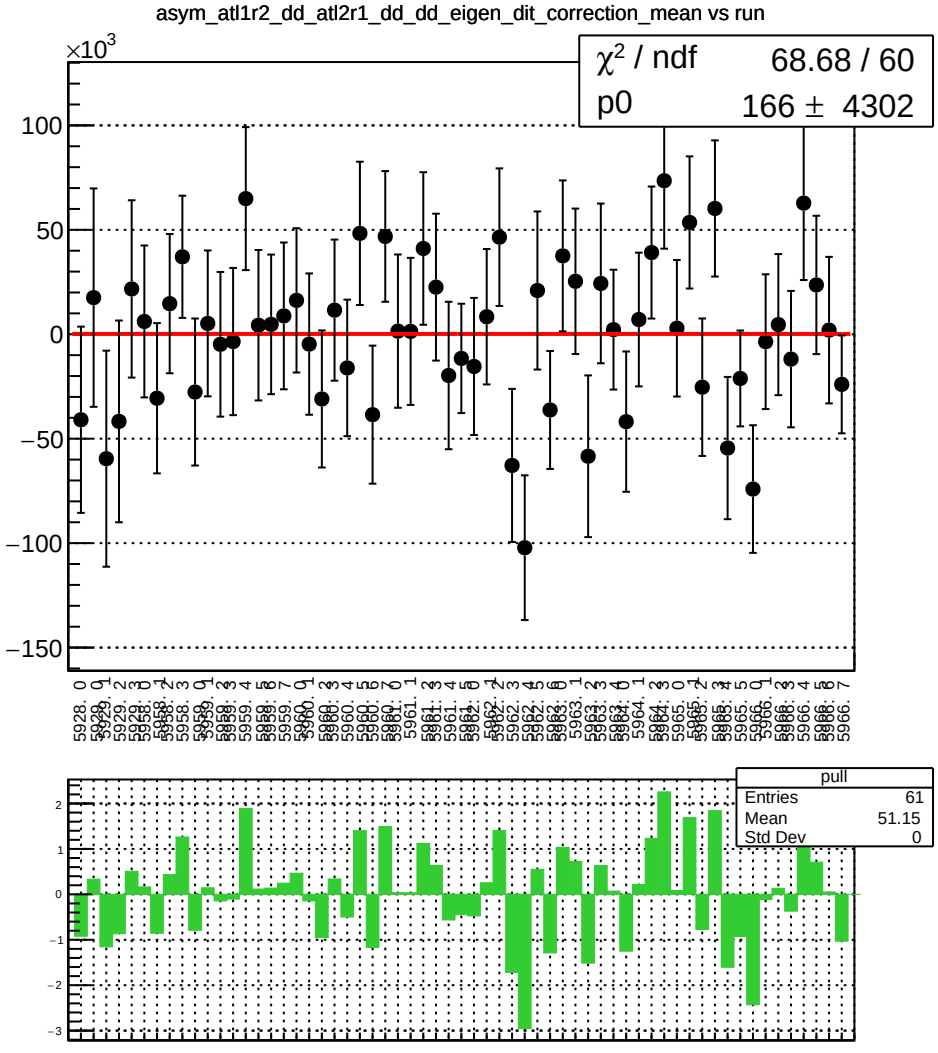

pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

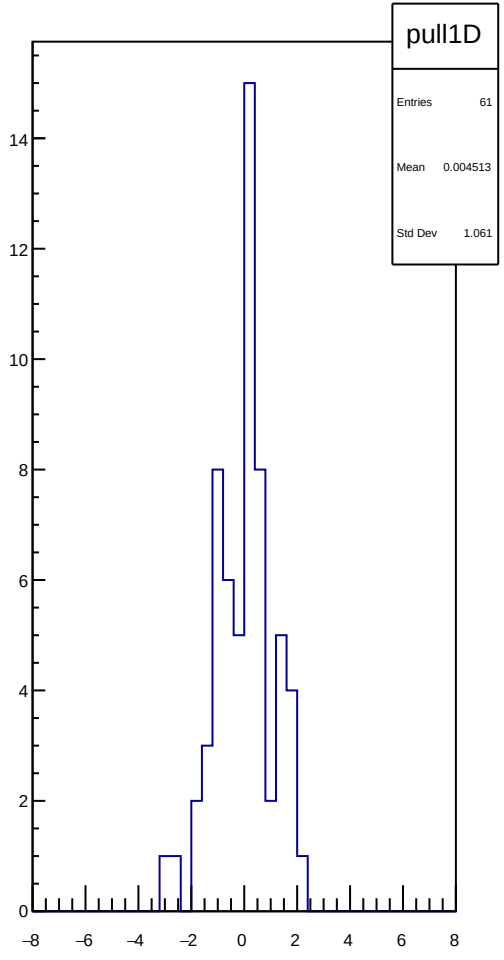

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

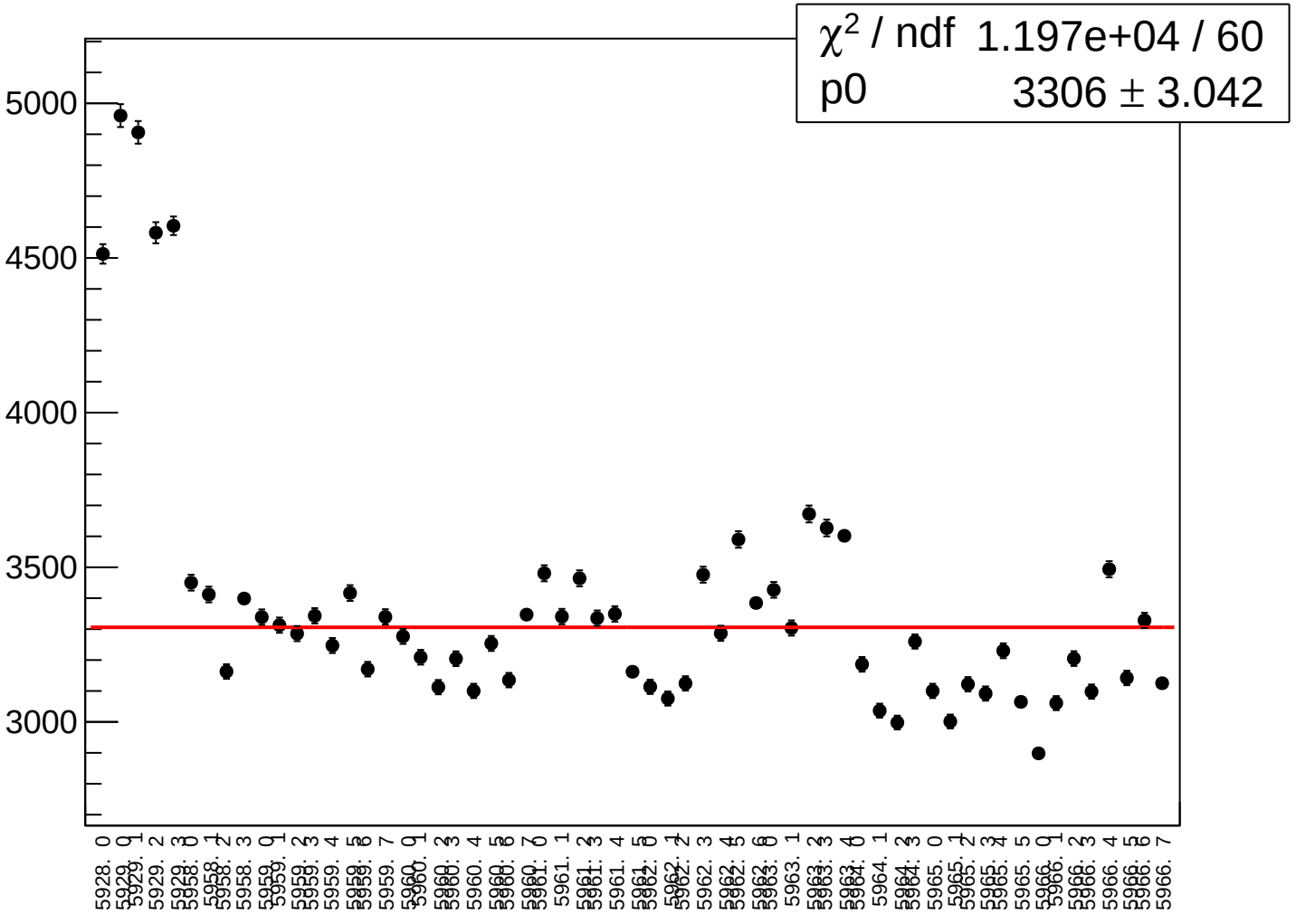

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 59.74 / 60
p0 49.3 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 2403
Std Dev 0
2
1
0
−1
−2

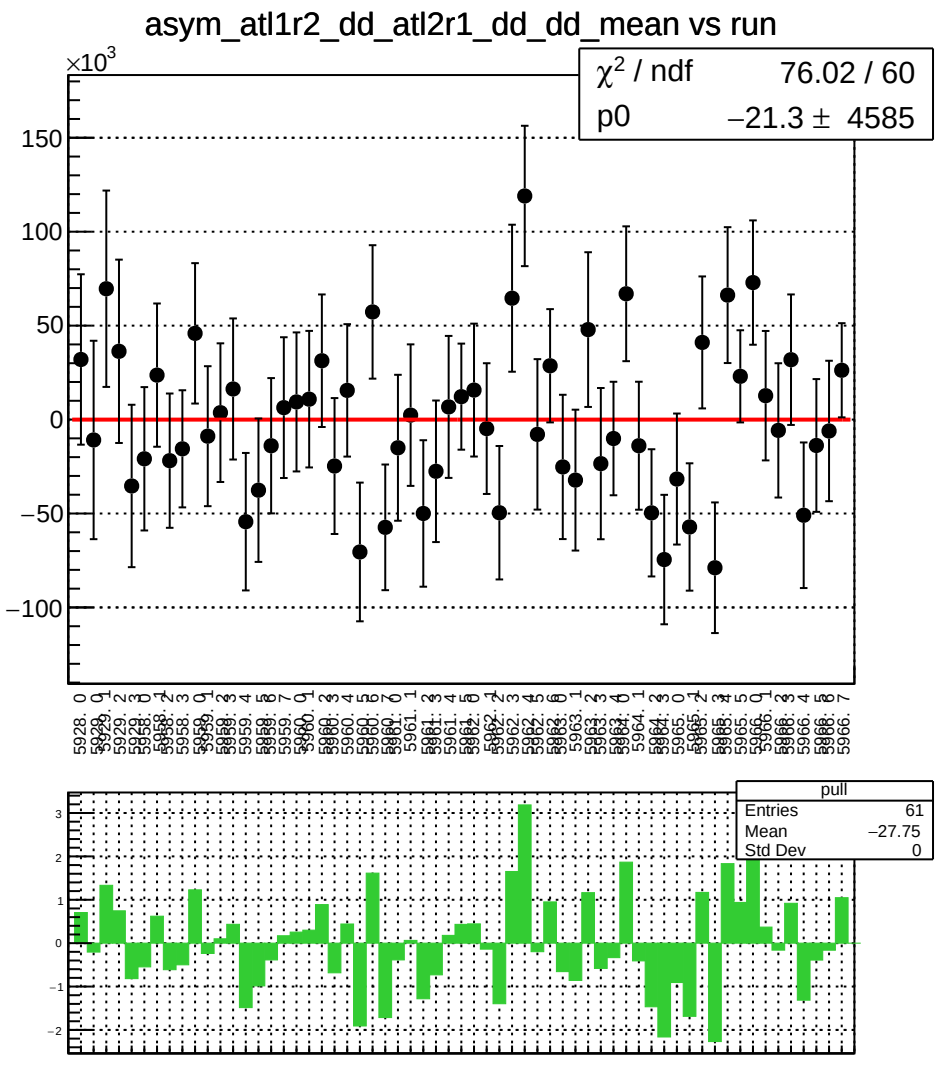

pull1D
Entries 61
Mean 0.0005641
Std Dev 0.9896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

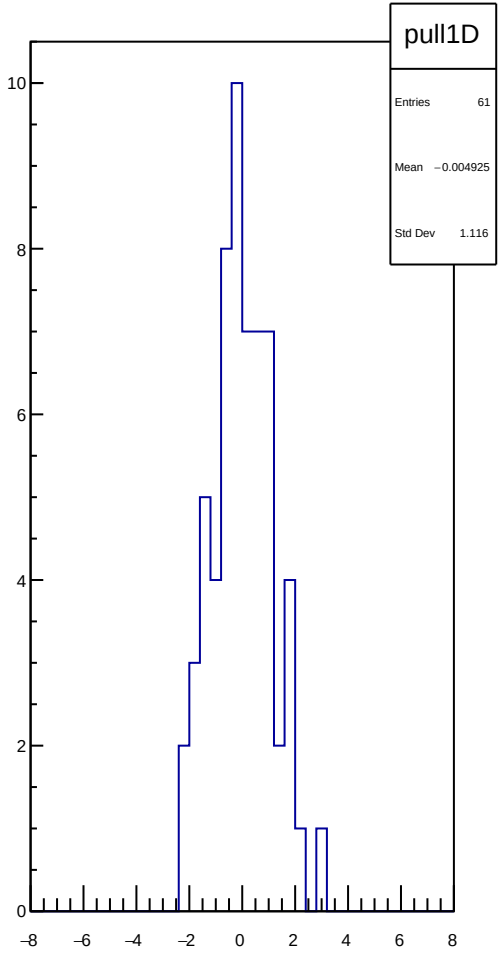

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 590.9 / 60
p0 1230 ± 1.126
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

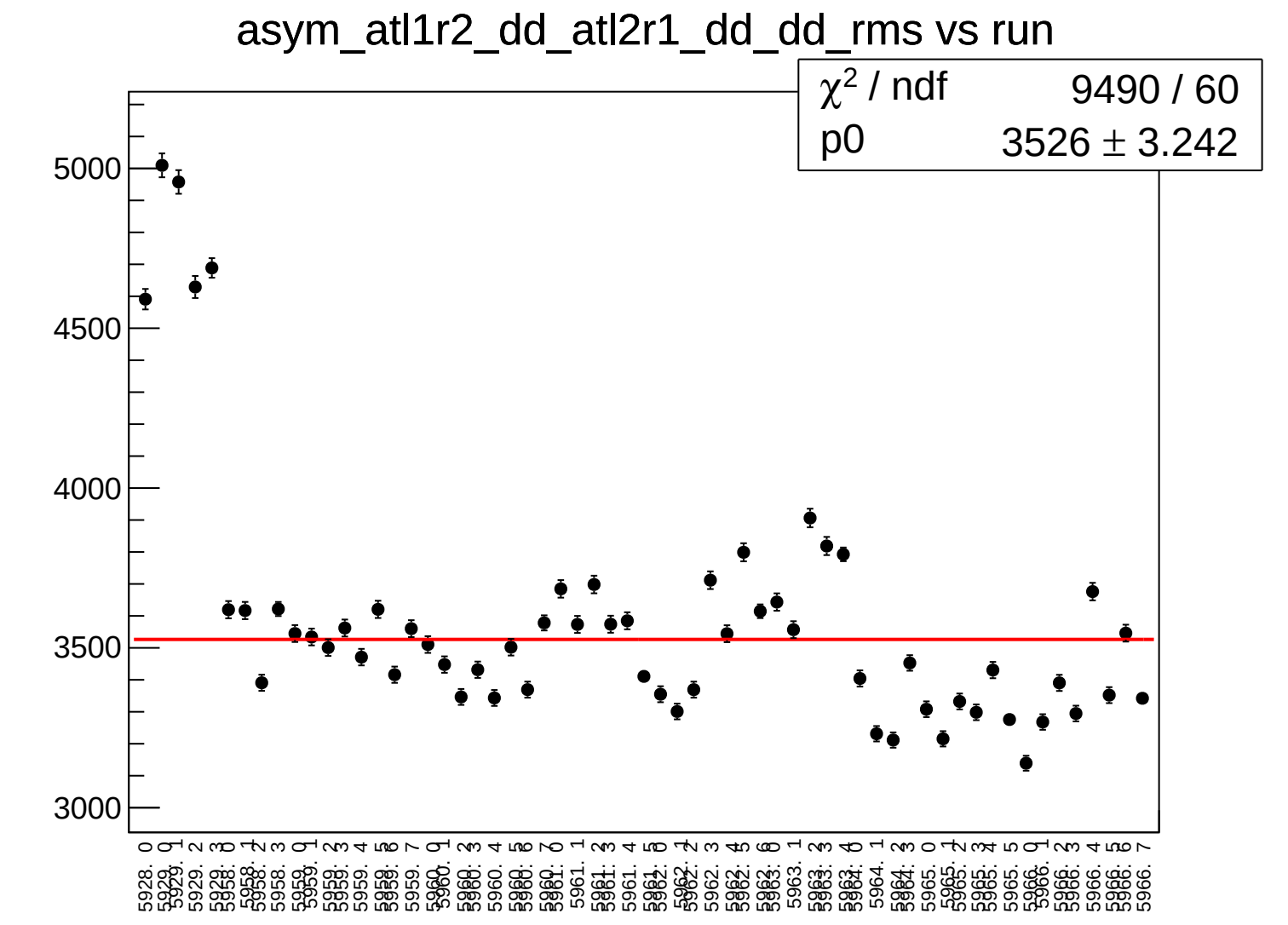

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 166 ± 4302
pull
Entries 61
Mean 51.15
Std Dev 0

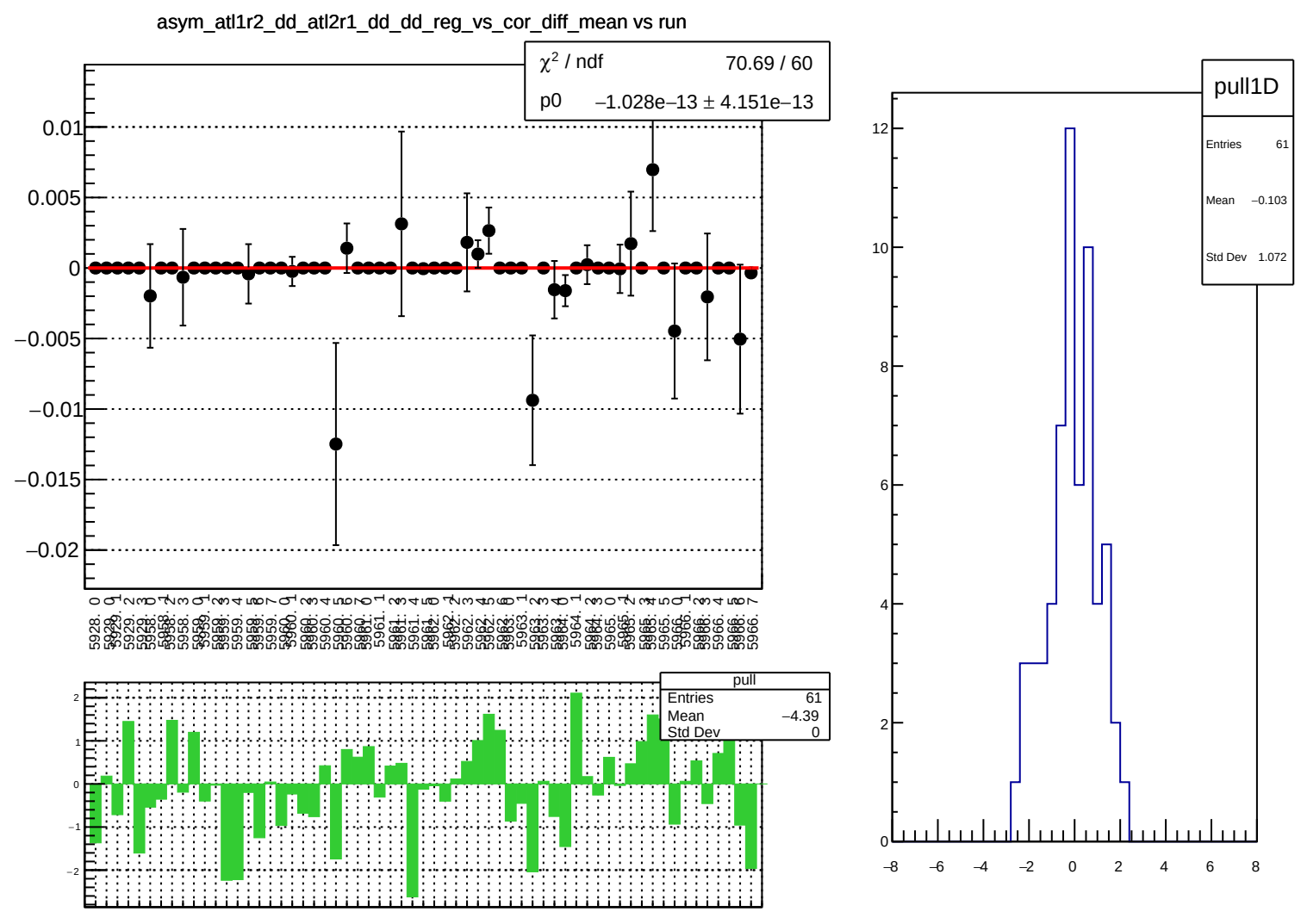

pull1D
Entries 61
Mean 0.004513
Std Dev 1.061

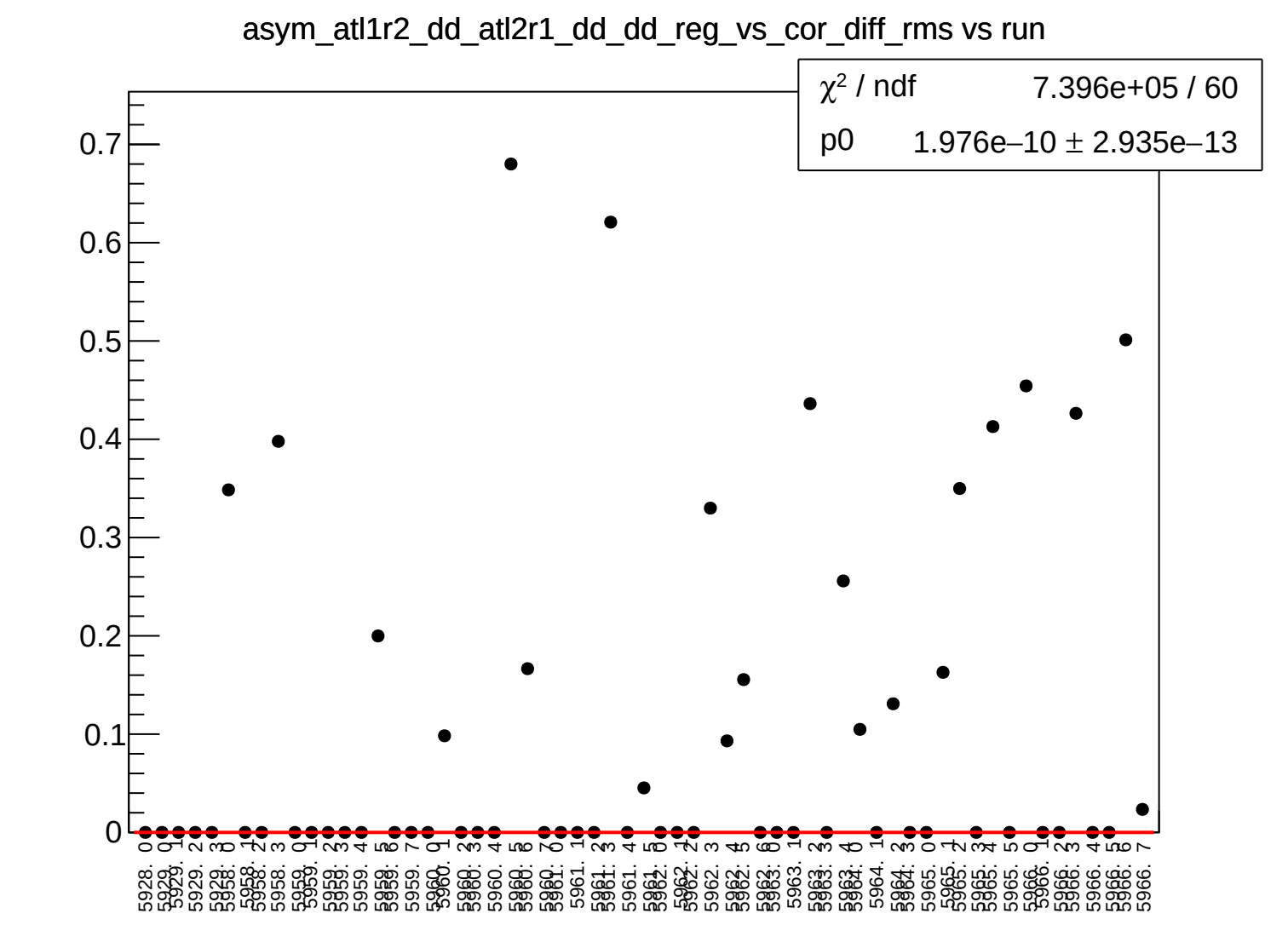

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.197e+04 / 60
p0 3306 ± 3.042
5000
4500
4000
3500
3000

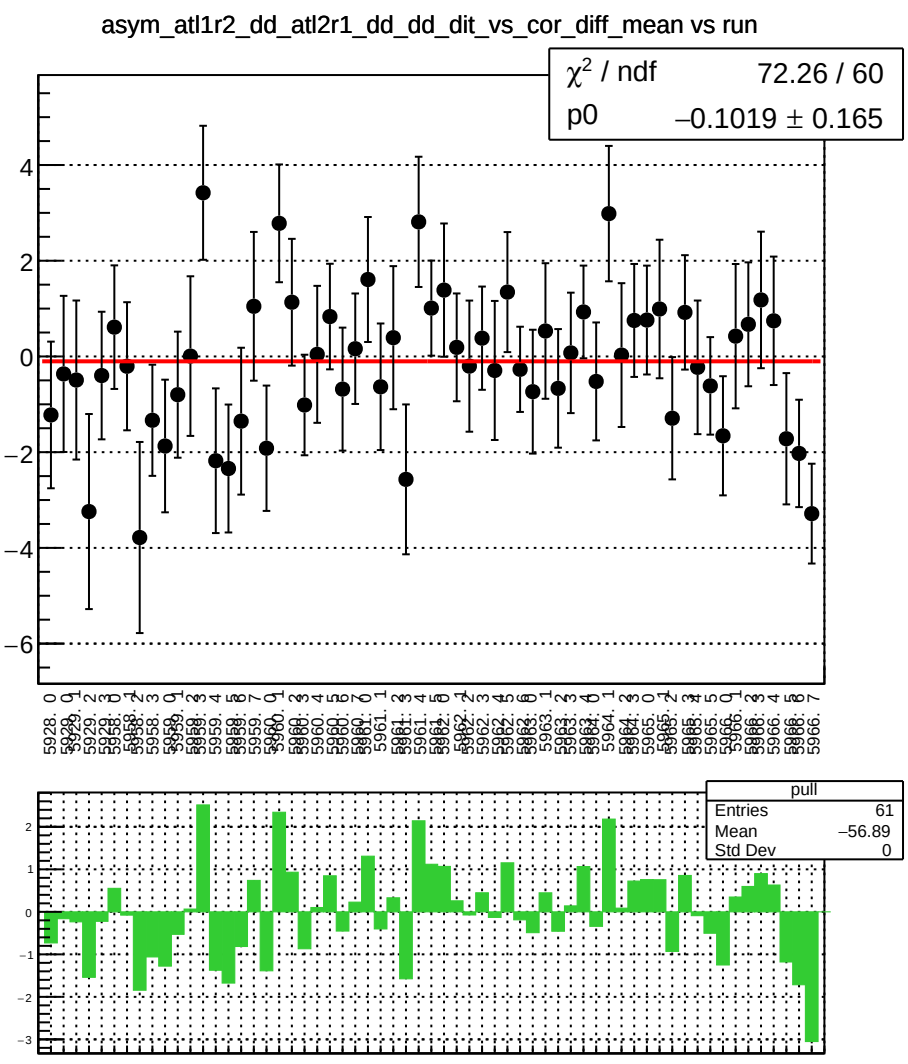

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 76.02 / 60
p0 −21.3 ± 4585
150
100
50
0
−50
−100
pull
Entries 61
Mean −27.75
Std Dev 0
3
2
1
0
−1
−2

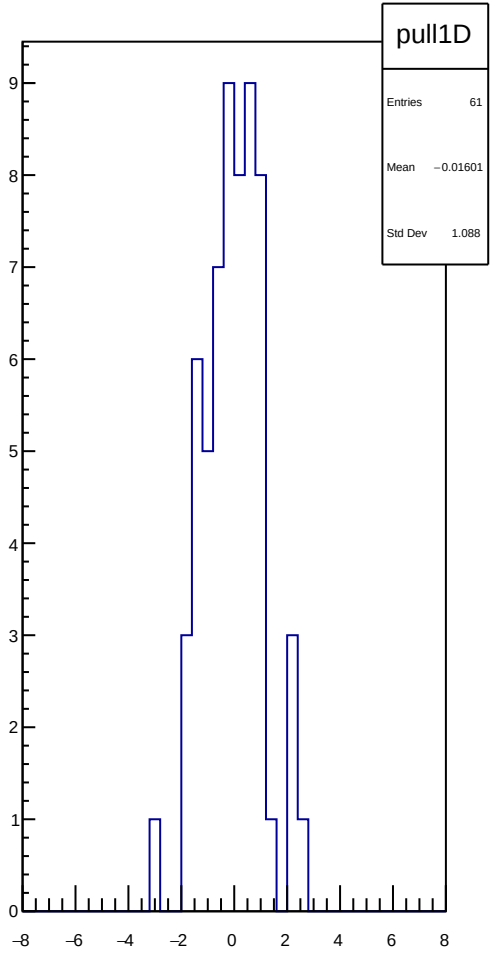

pull1D
Entries 61
Mean −0.004925
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

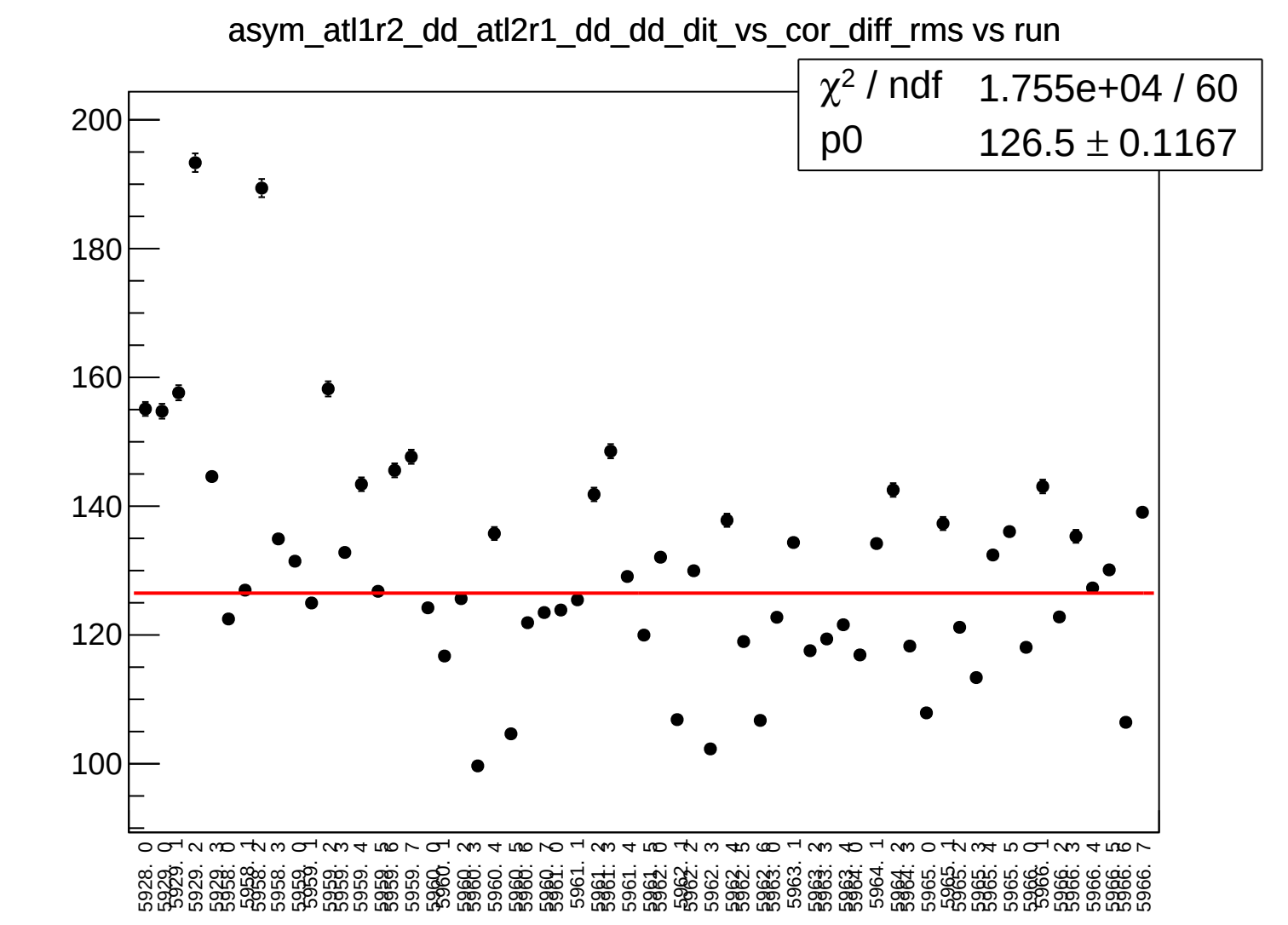

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 9490 / 60
p0 3526 ± 3.242
5000
4500
4000
3500
3000

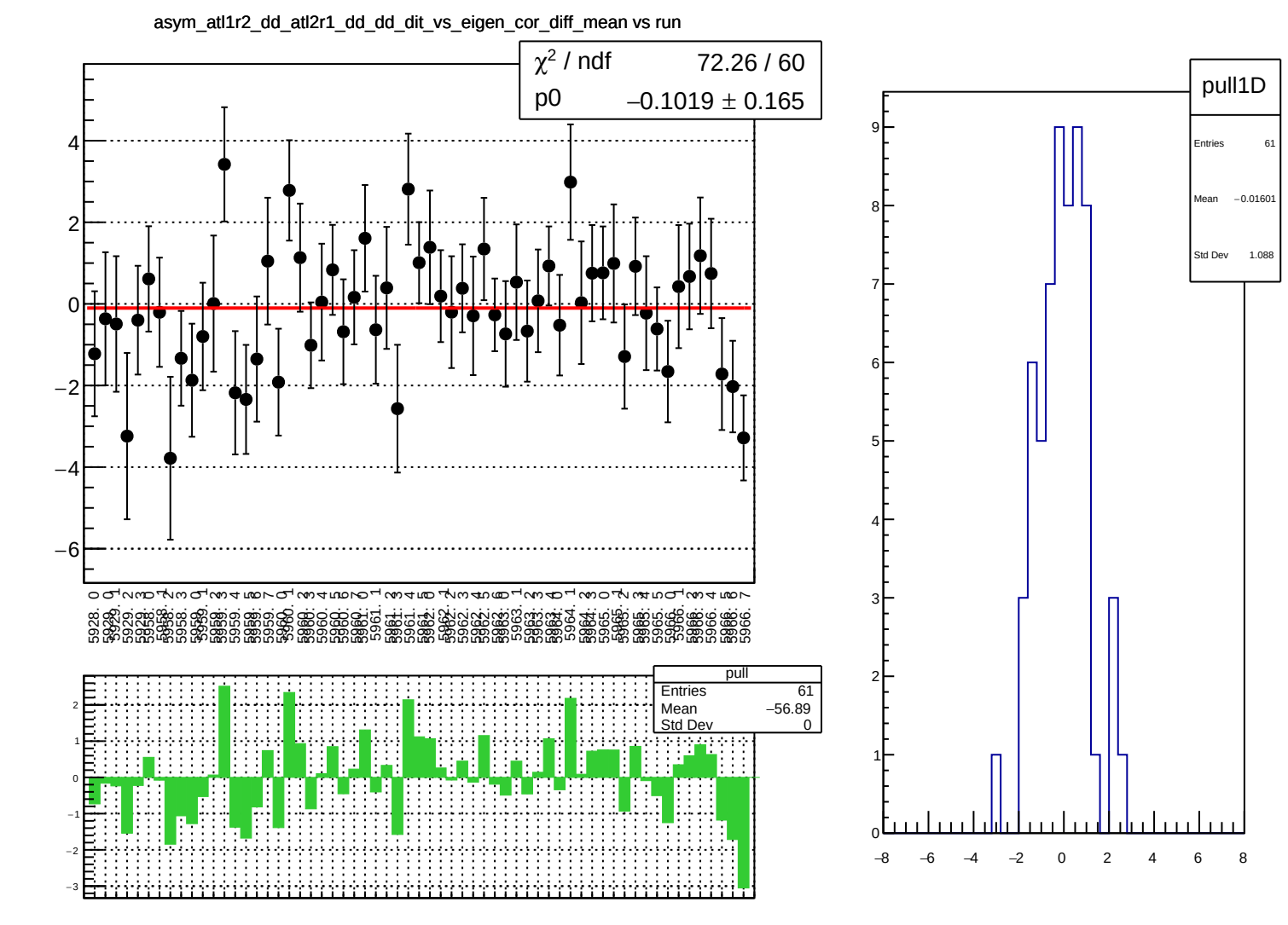

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.69 / 60
p0 −1.028e−13 ± 4.151e−13
pull
Entries 61
Mean −4.39
Std Dev 0
pull1D
Entries 61
Mean −0.103
Std Dev 1.072

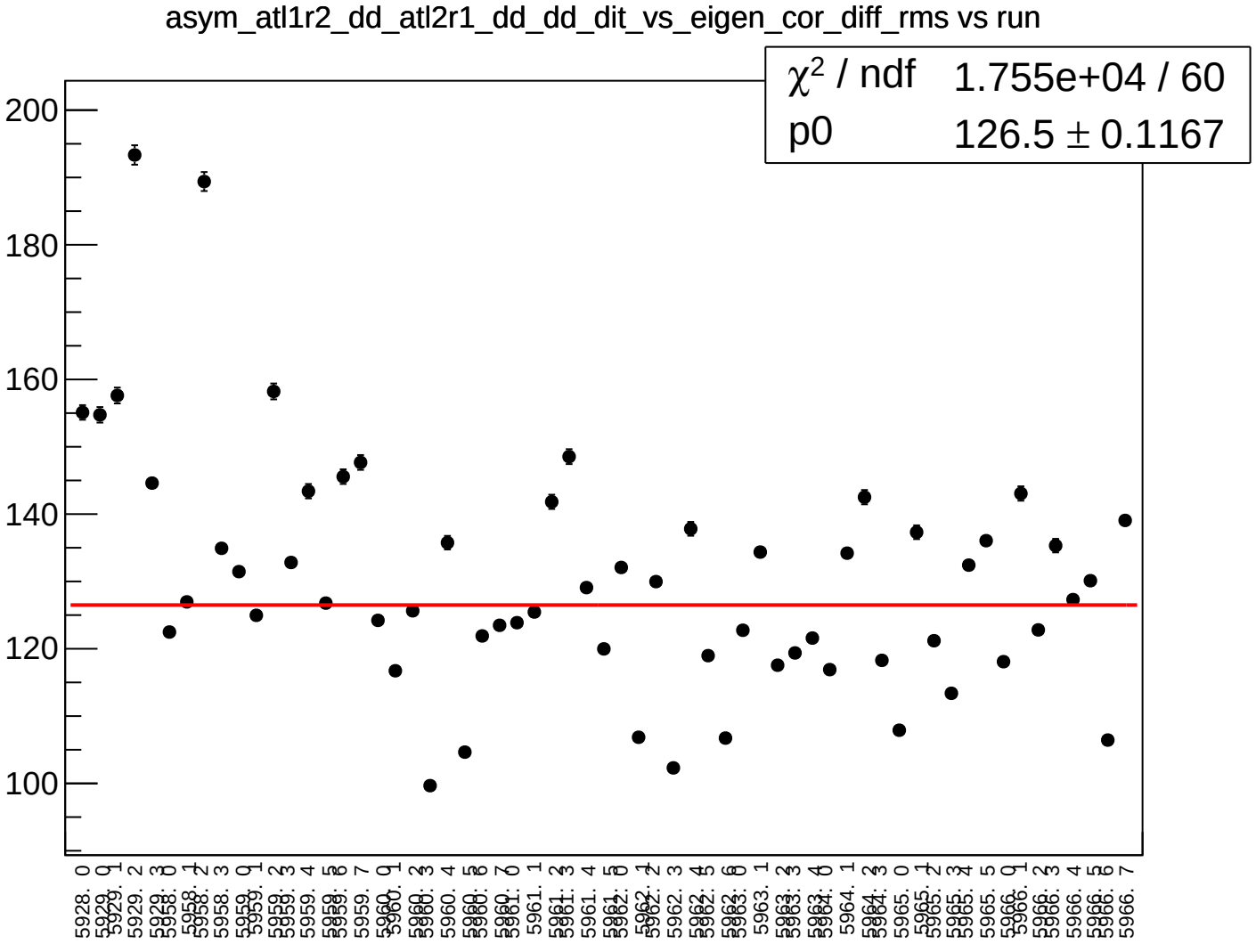

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.396e+05 / 60
p0 1.976e−10 ± 2.935e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

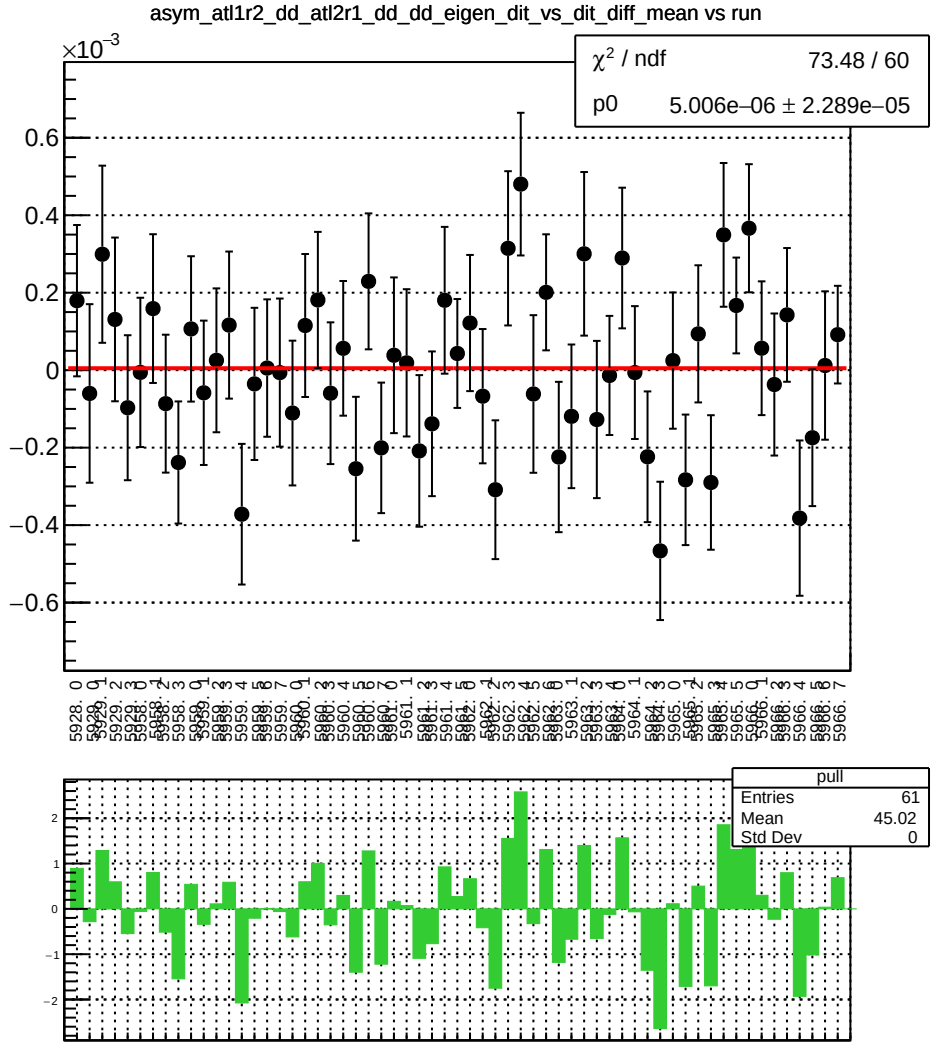

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0

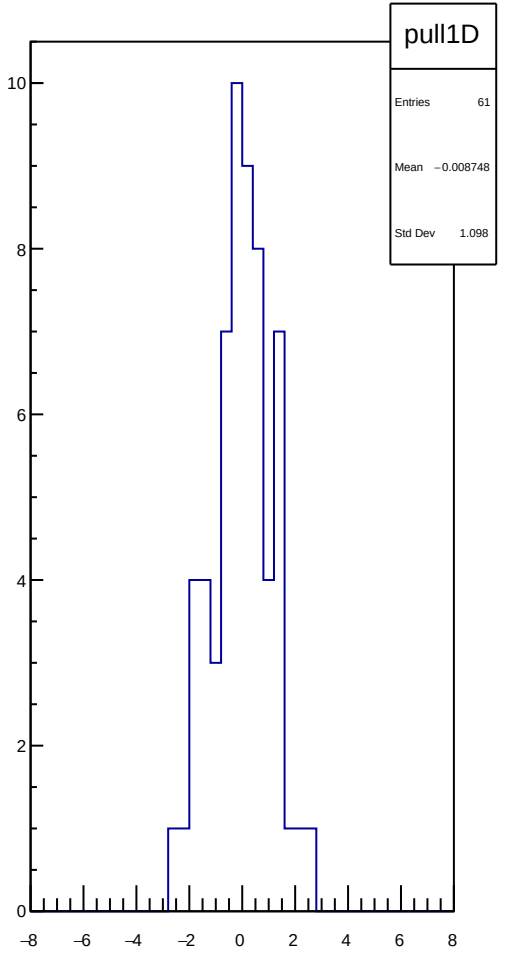

pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

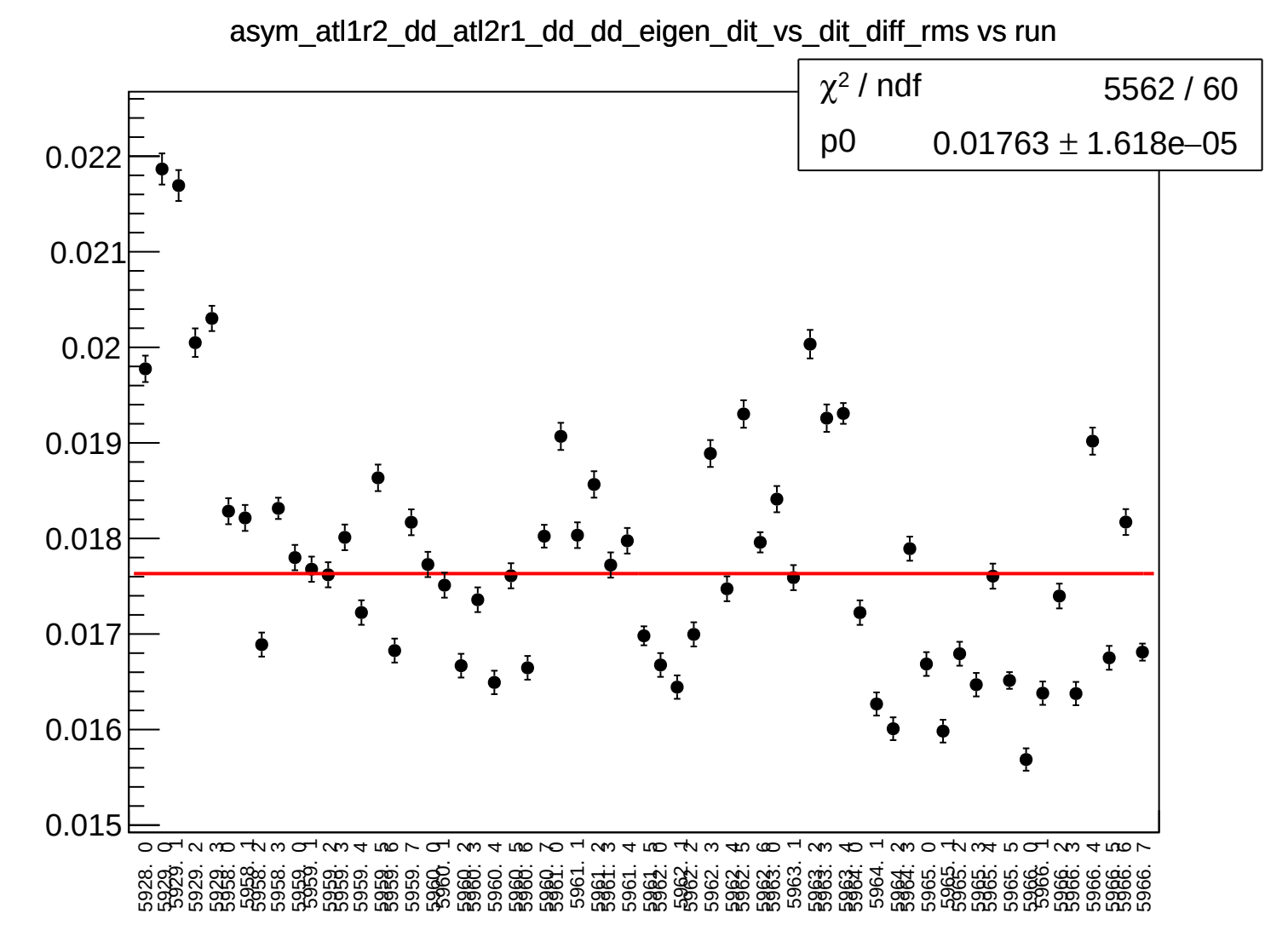

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

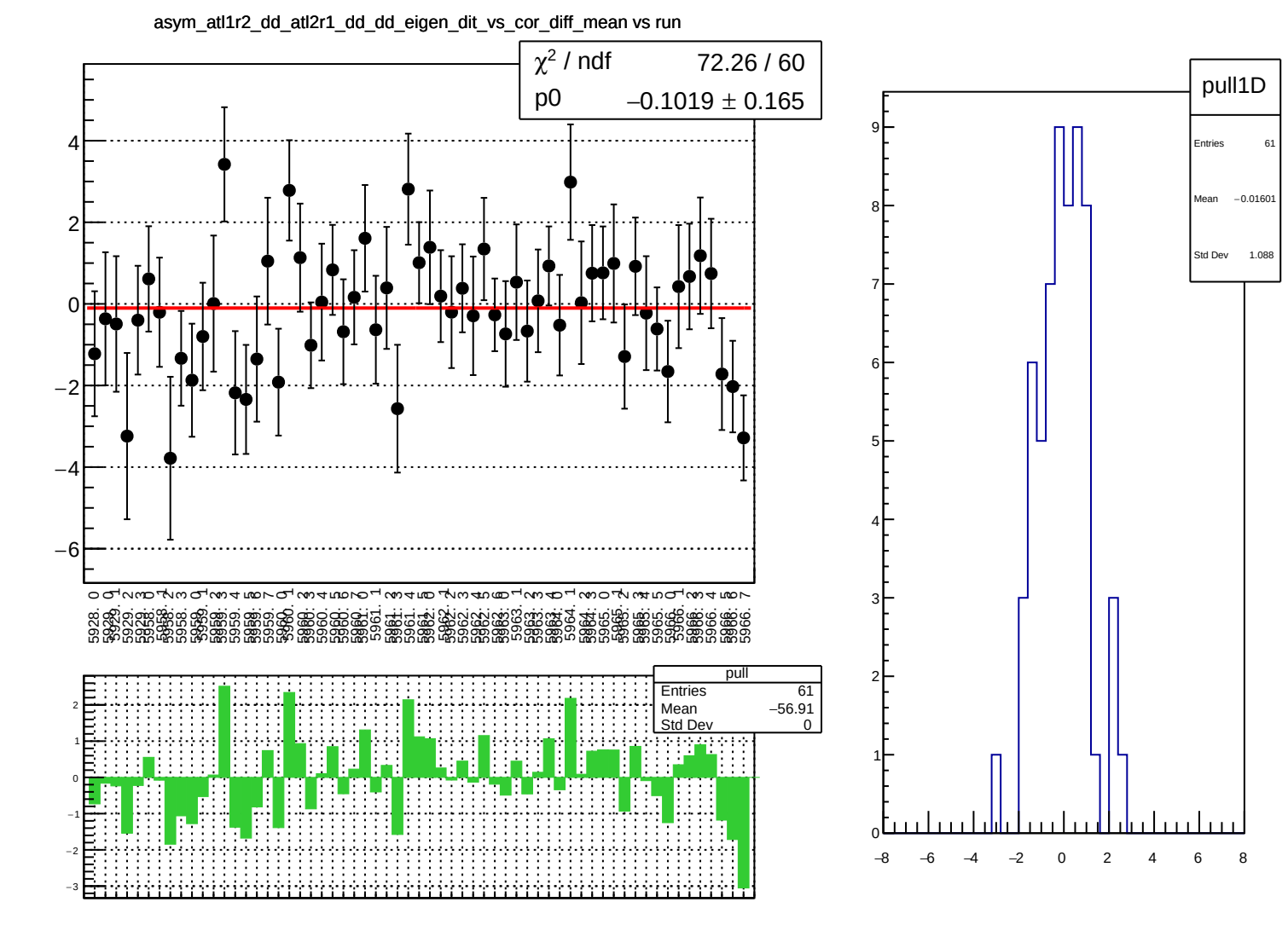

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.89
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

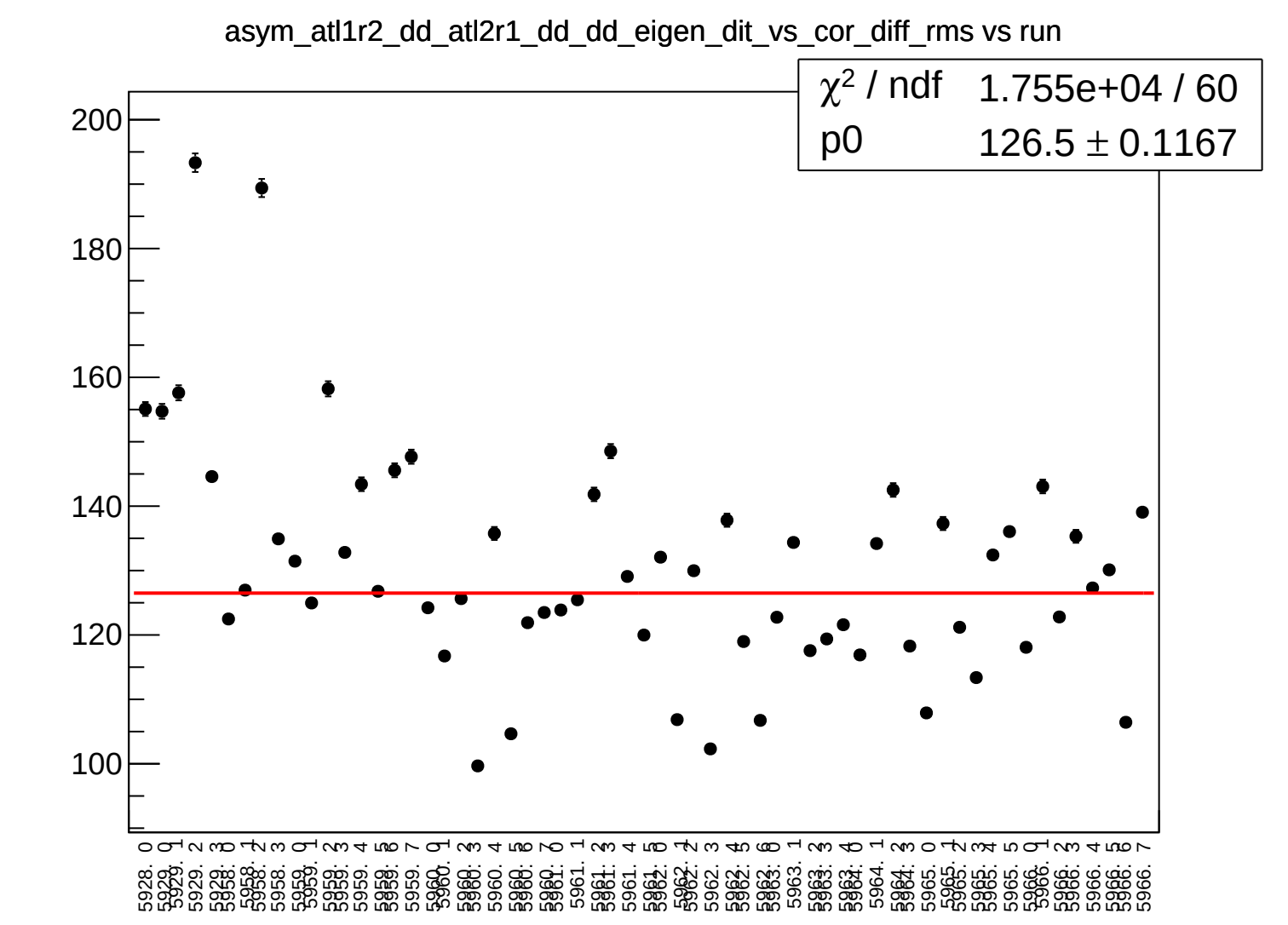

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

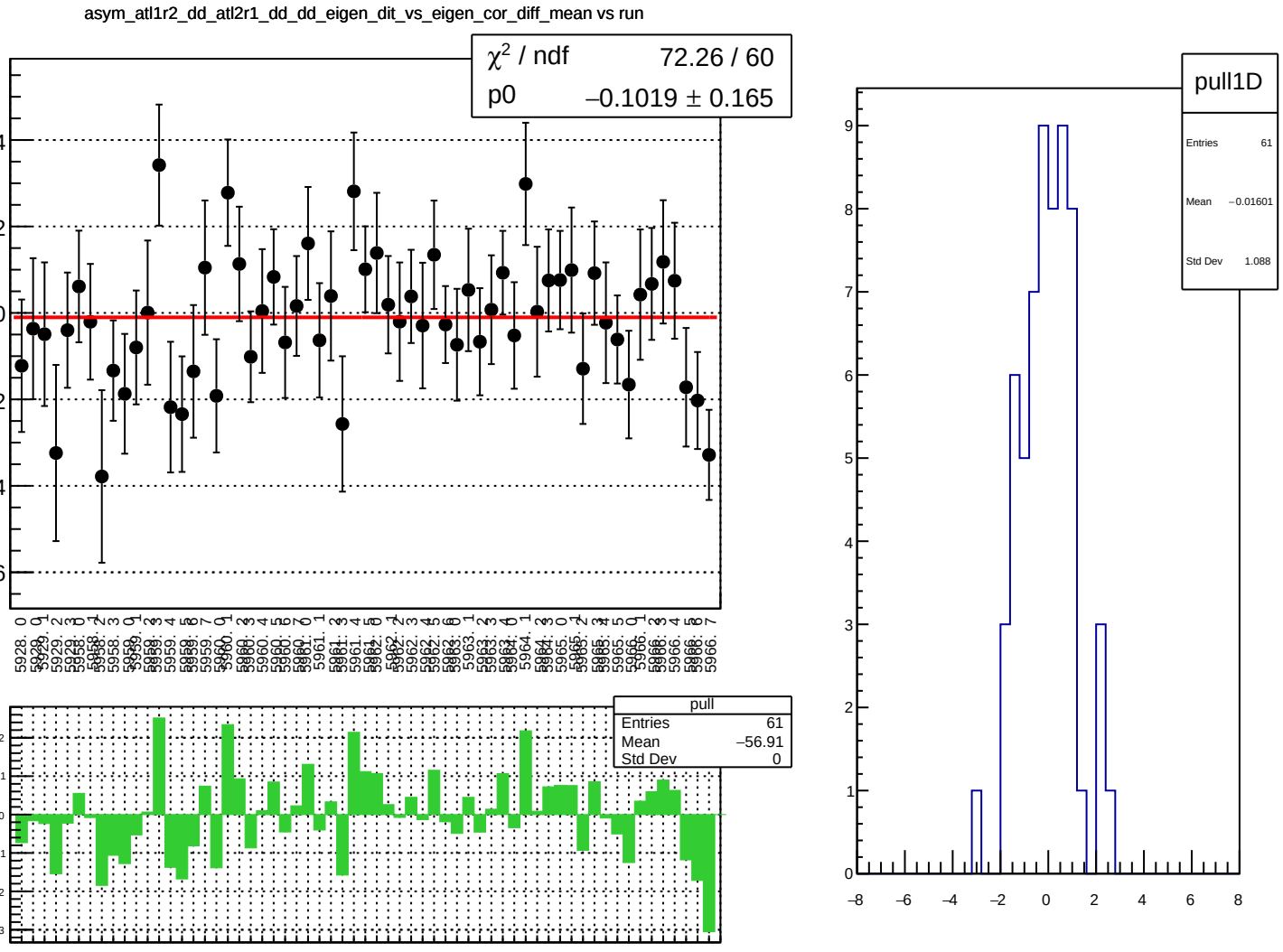

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.48 / 60
p0 5.006e−06 ± 2.289e−05
pull
Entries 61
Mean 45.02
Std Dev 0

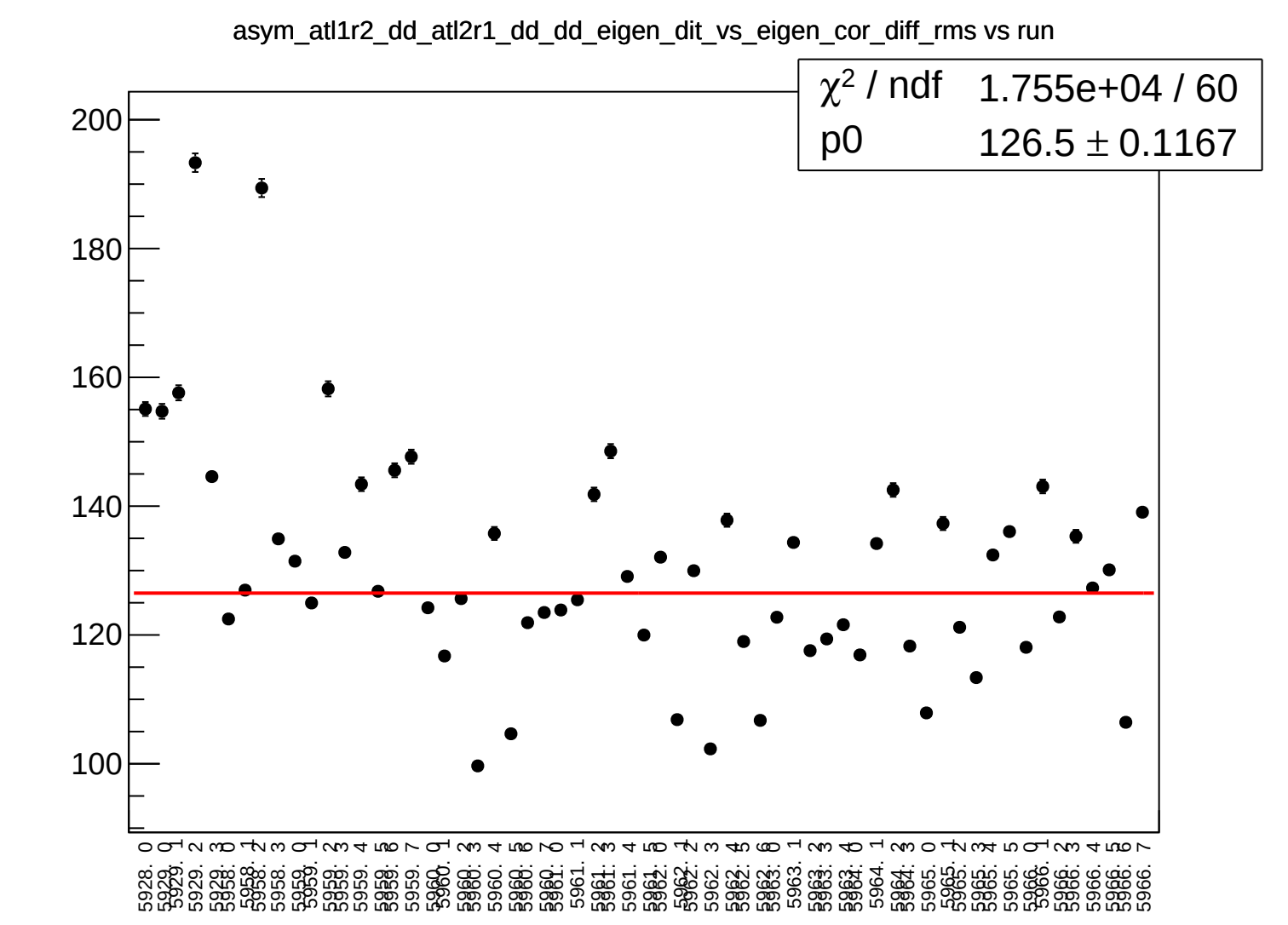

pull1D
Entries 61
Mean −0.008748
Std Dev 1.098

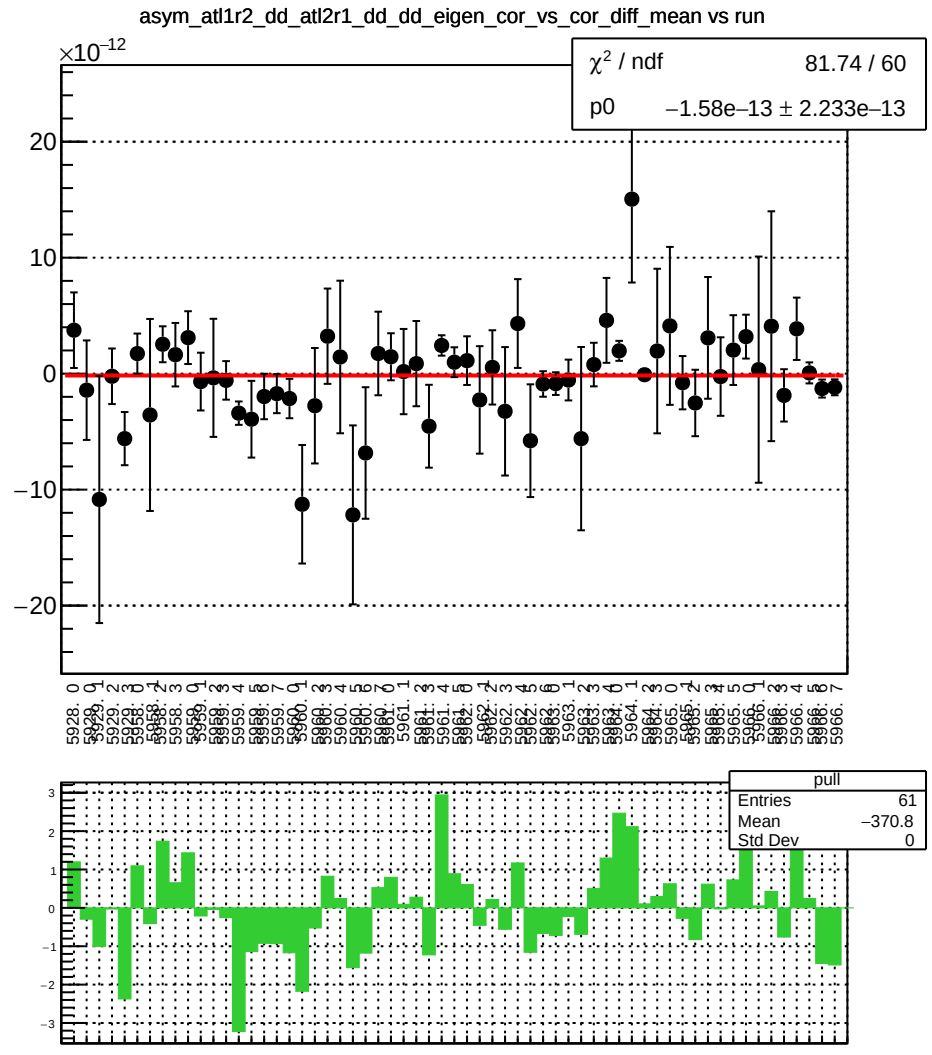

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5562 / 60
p0 0.01763 ± 1.618e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016
0.015

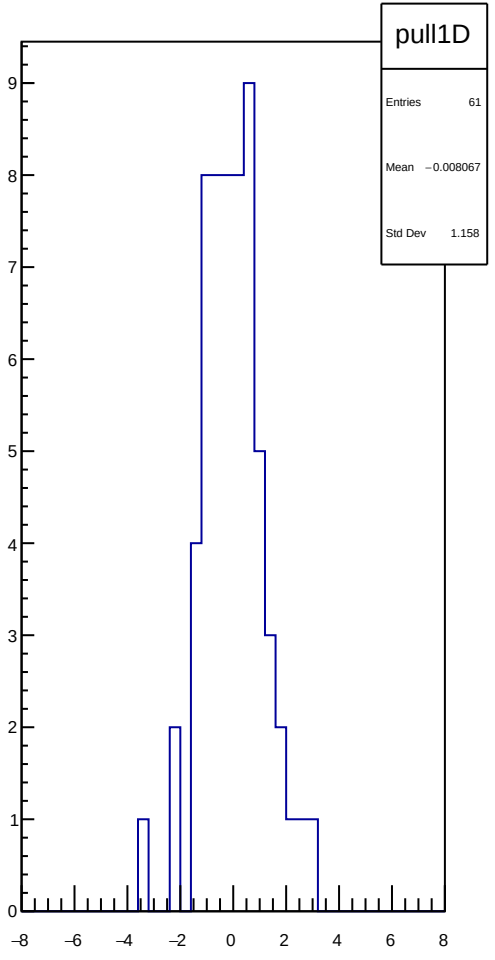

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

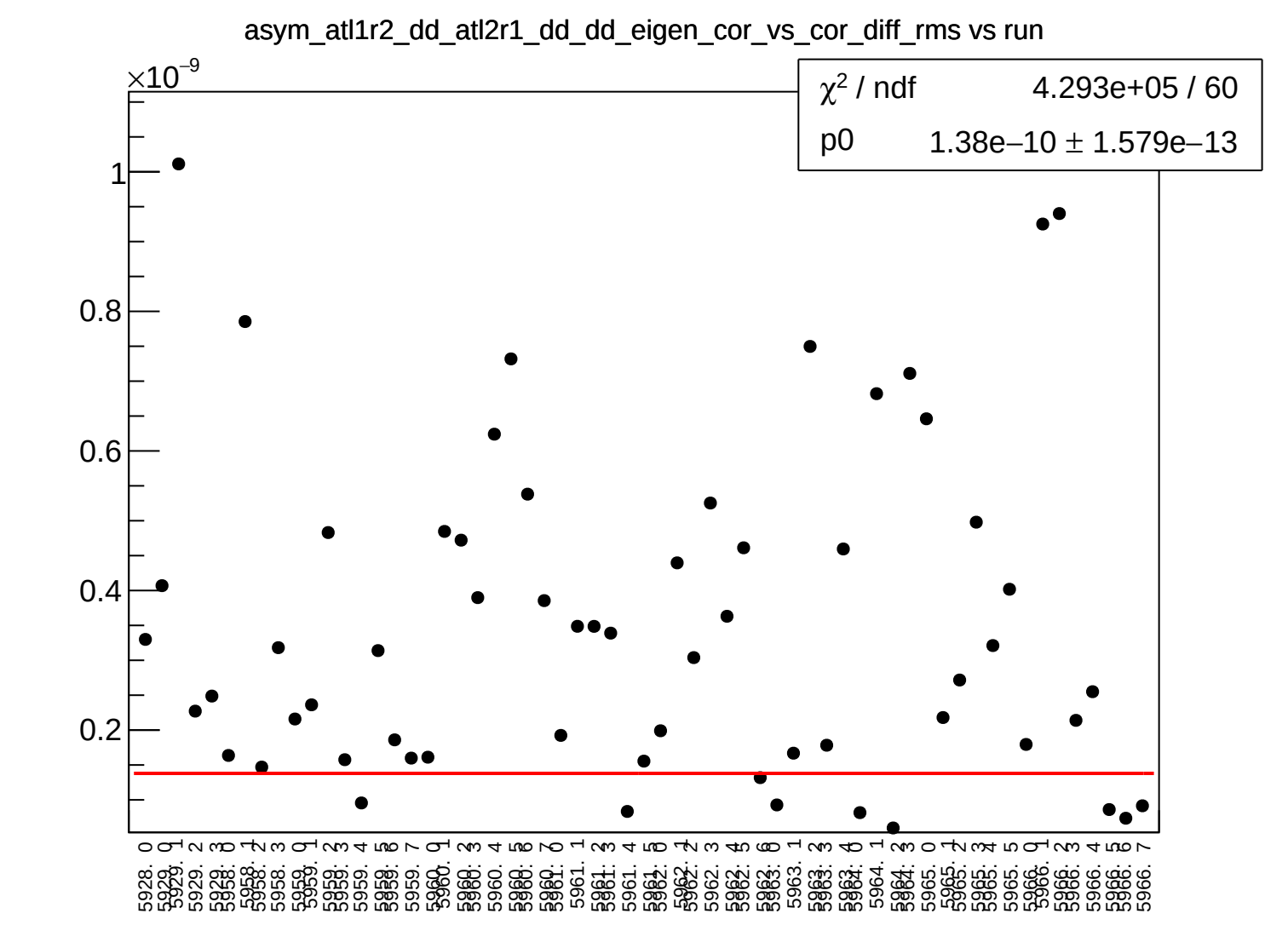

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

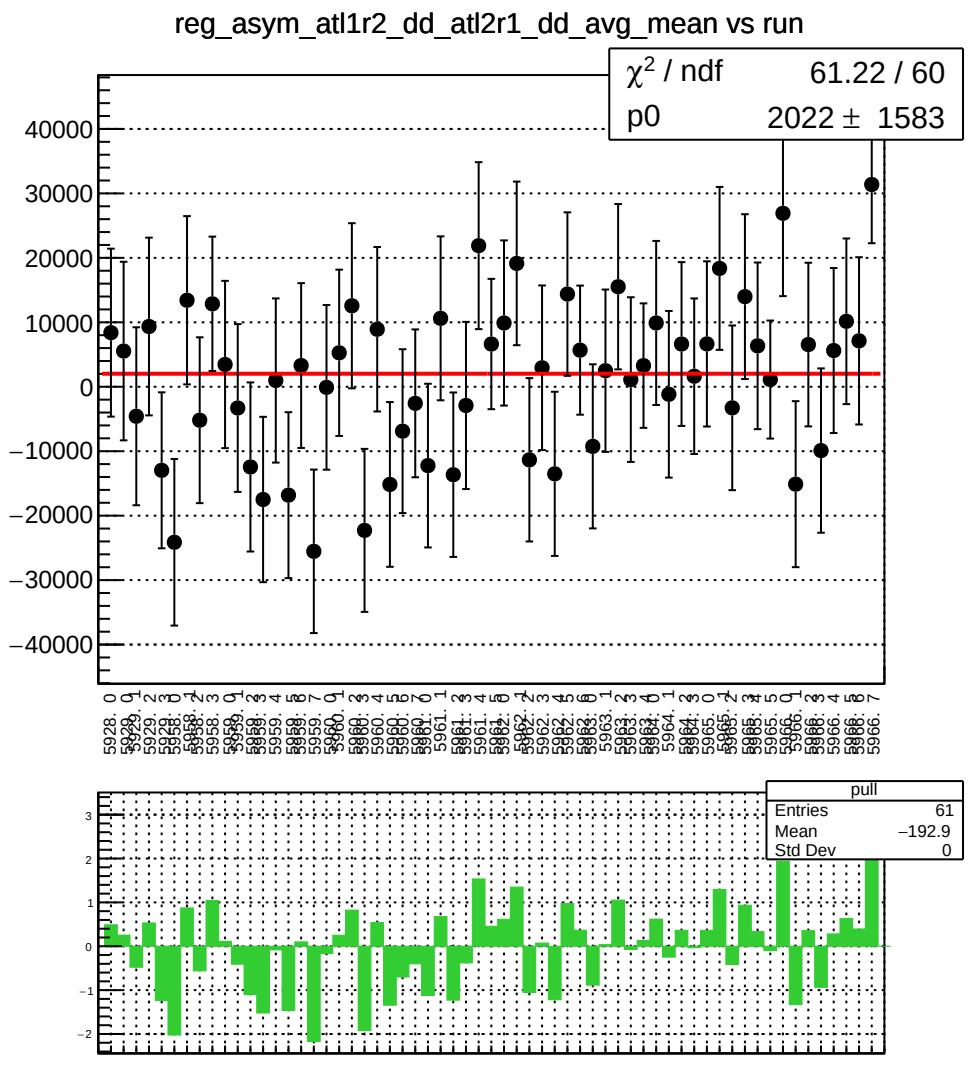

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.26 / 60
p0 −0.1019 ± 0.165
pull
Entries 61
Mean −56.91
Std Dev 0
pull1D
Entries 61
Mean −0.01601
Std Dev 1.088

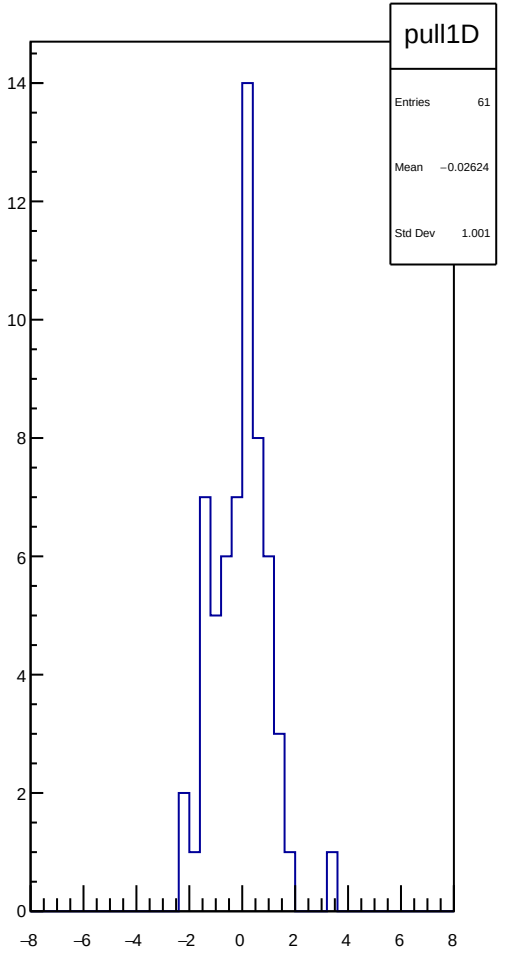

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.755e+04 / 60
p0 126.5 ± 0.1167
200
180
160
140
120
100

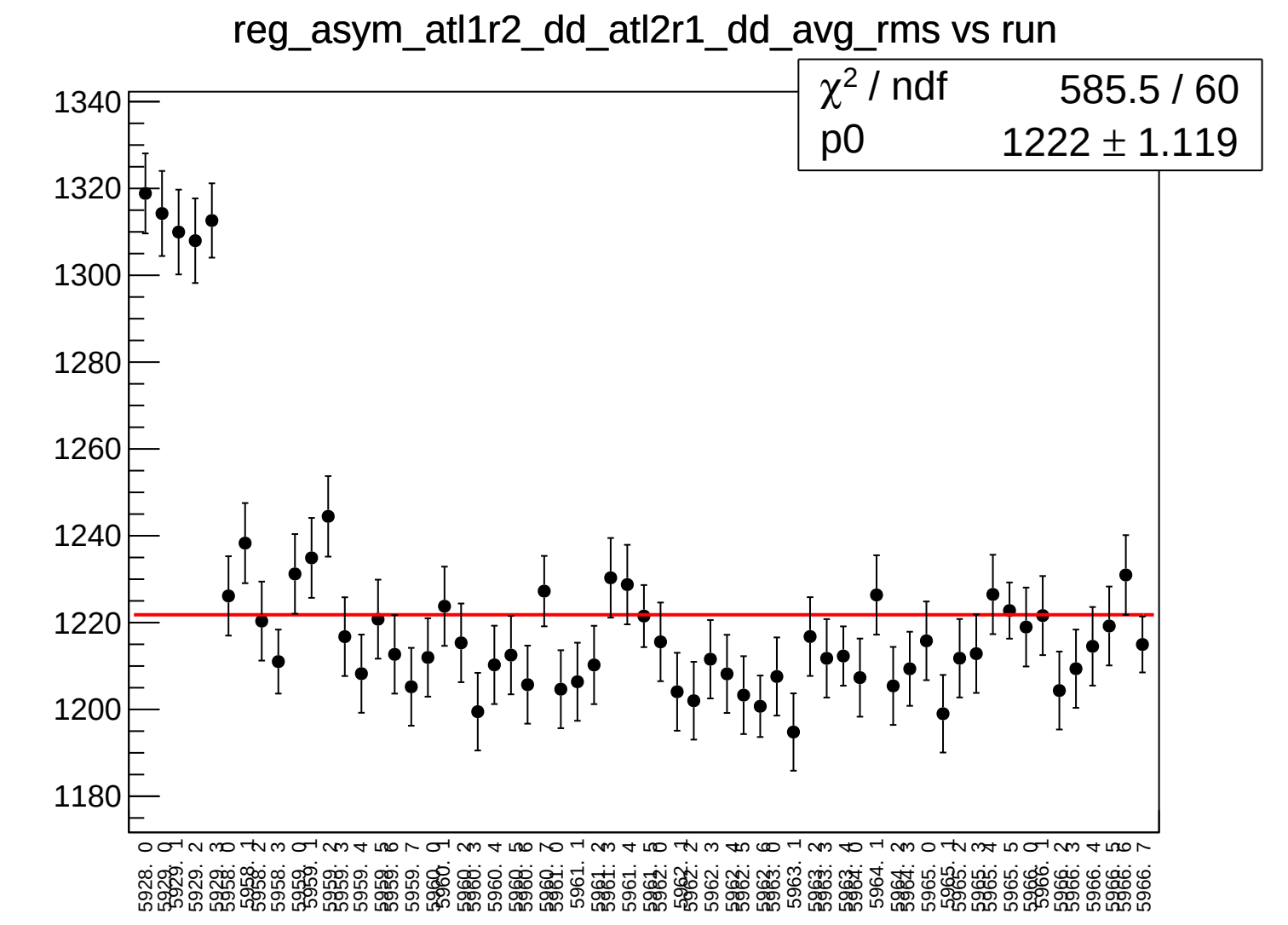

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.74 / 60
p0 −1.58e−13 ± 2.233e−13
pull
Entries 61
Mean −370.8
Std Dev 0

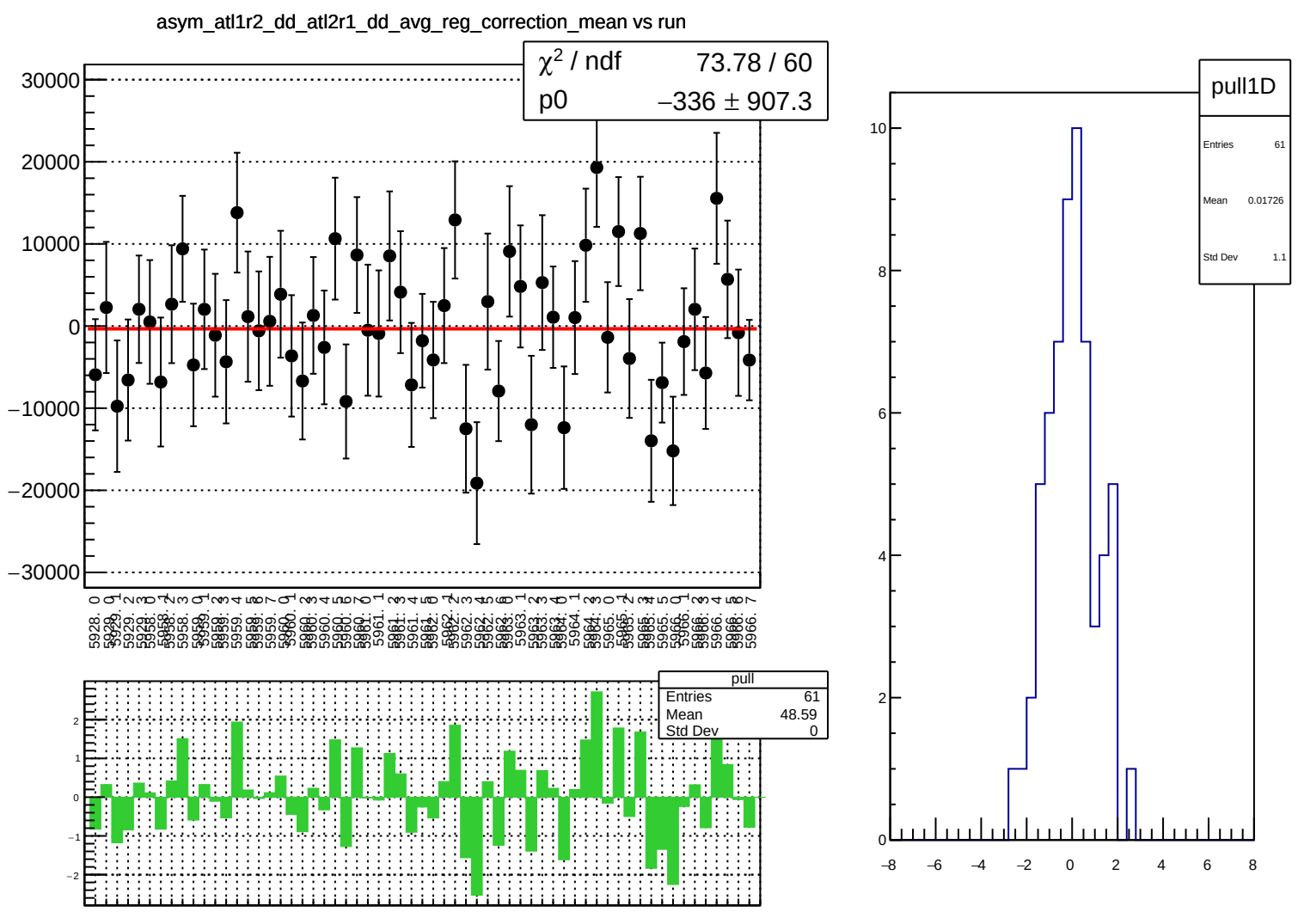

pull1D
Entries 61
Mean −0.008067
Std Dev 1.158

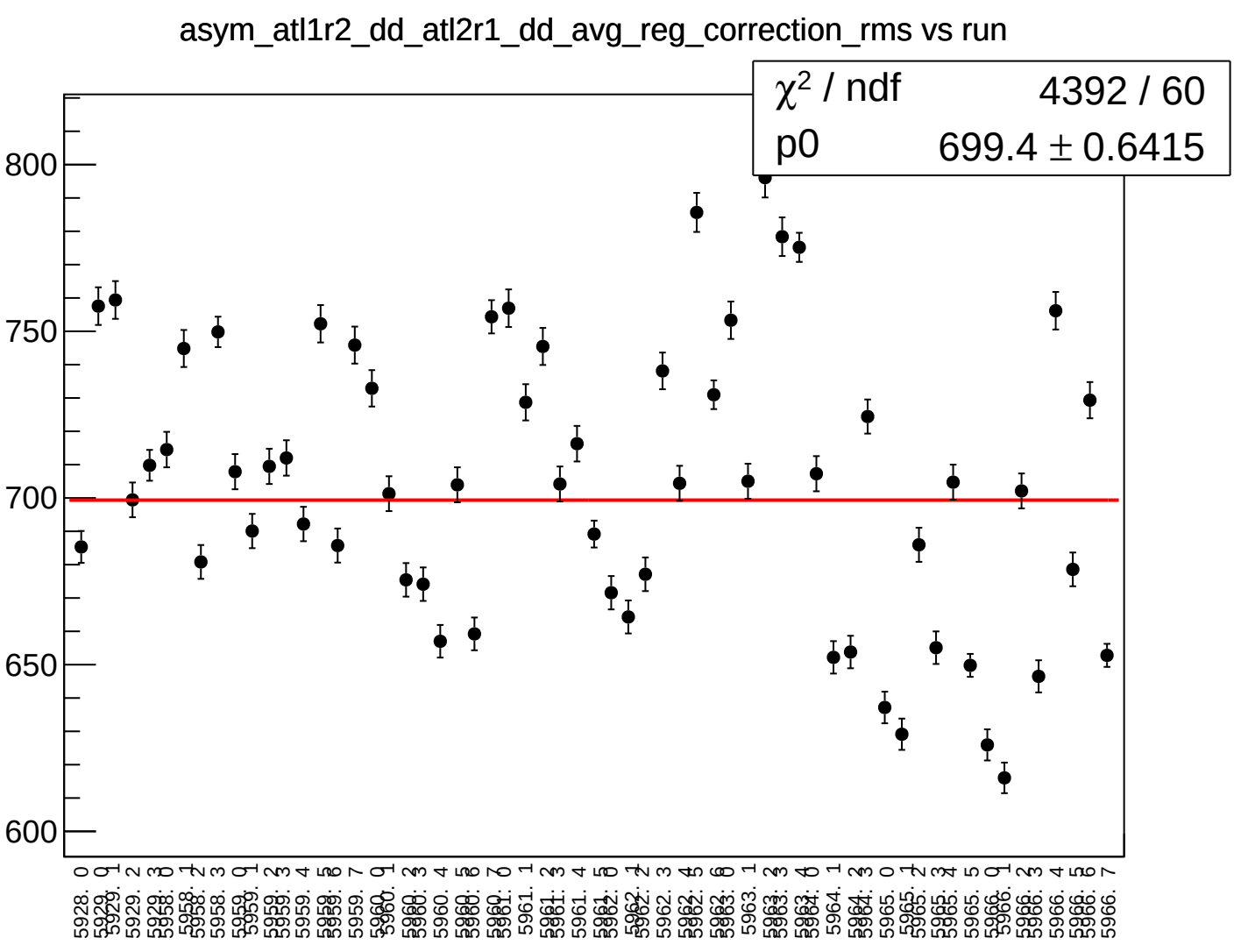

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.293e+05 / 60
p0 1.38e−10 ± 1.579e−13
1
0.8
0.6
0.4
0.2

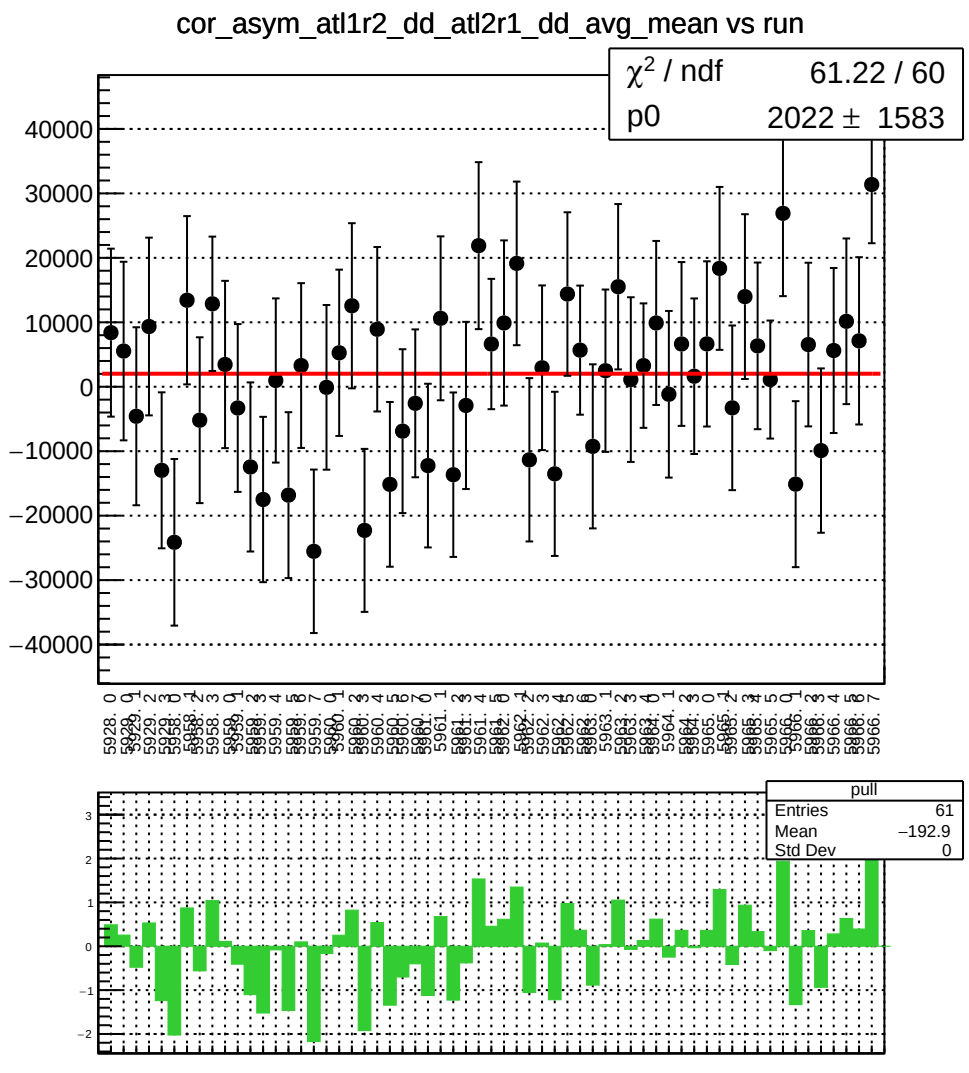

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0

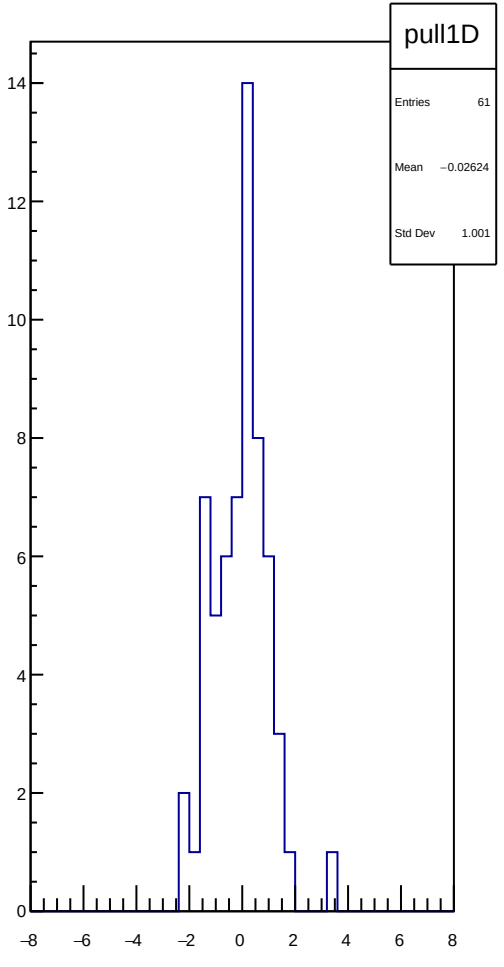

pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

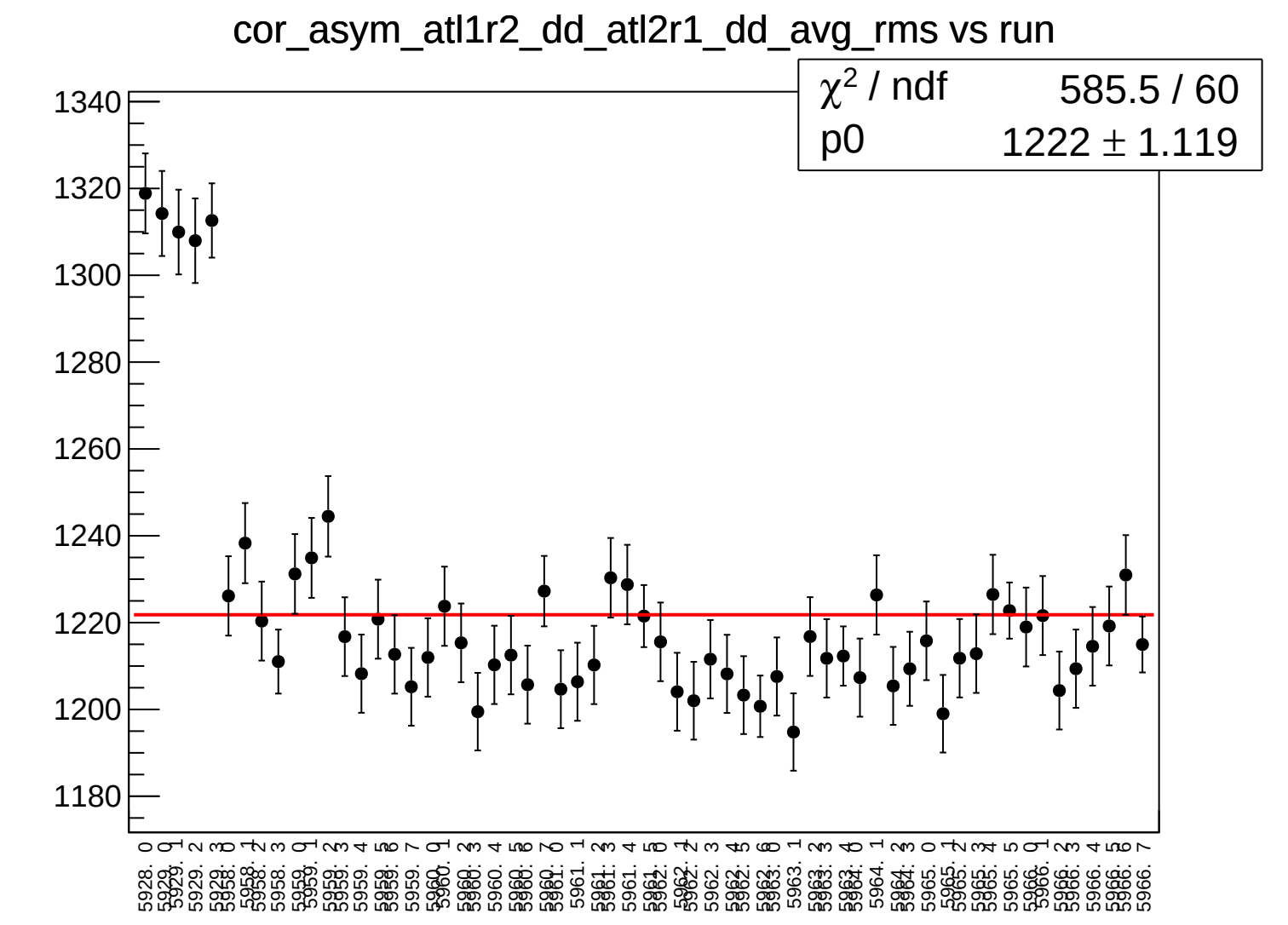

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

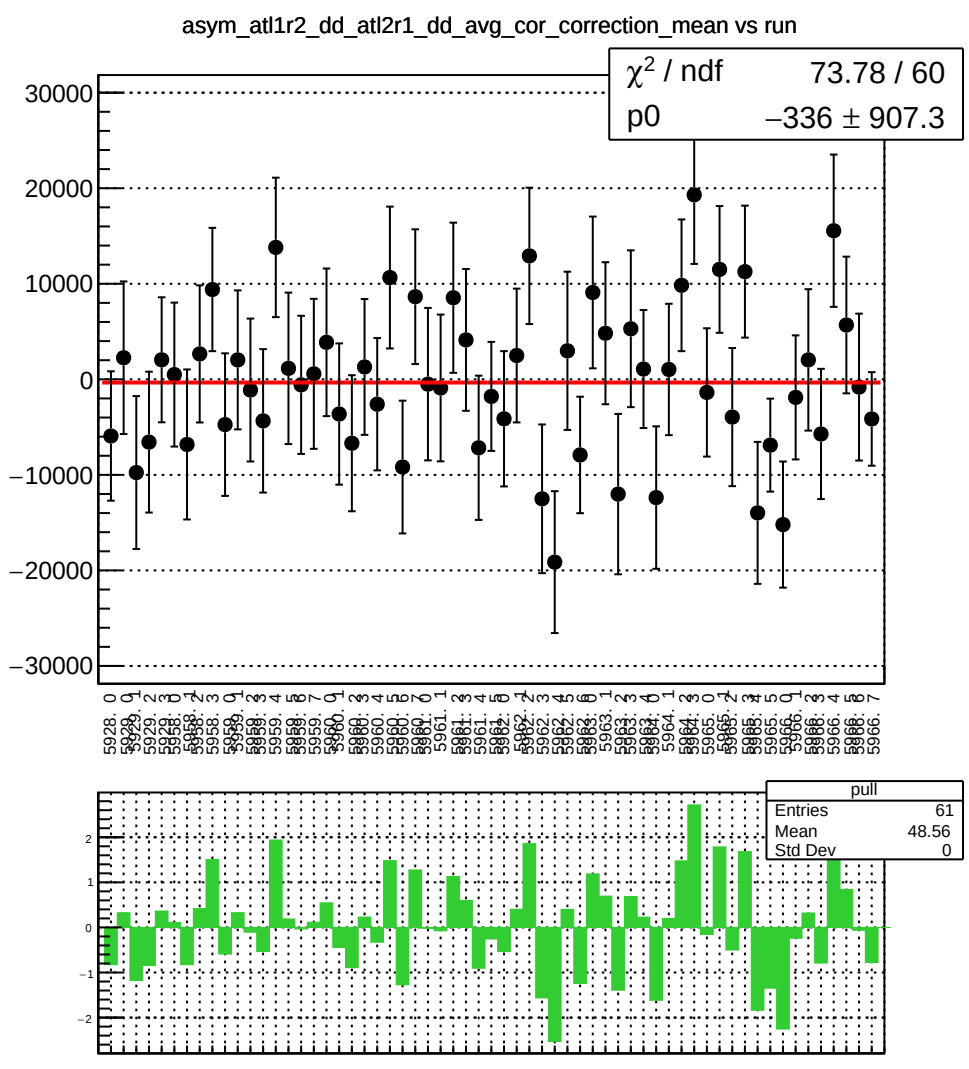

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
pull
Entries 61
Mean 48.59
Std Dev 0
pull1D
Entries 61
Mean 0.01726
Std Dev 1.1

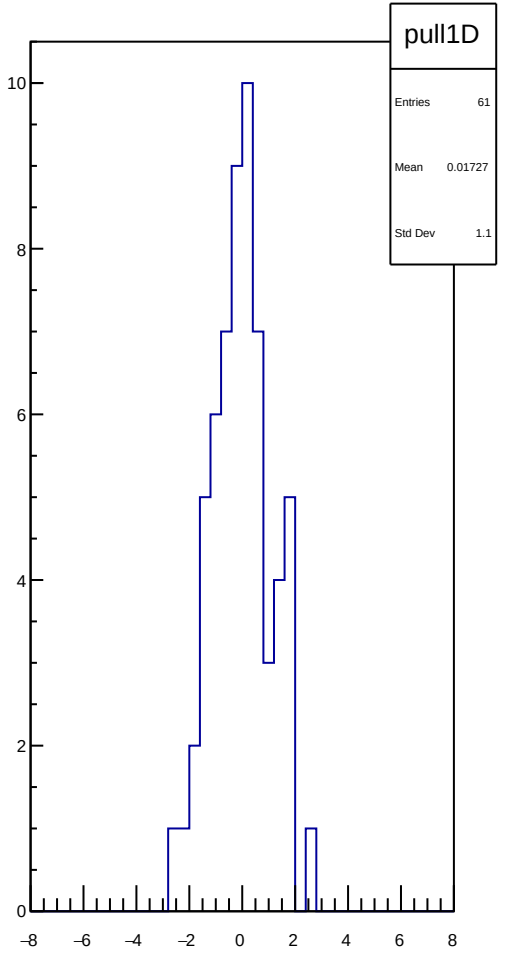

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 4392 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

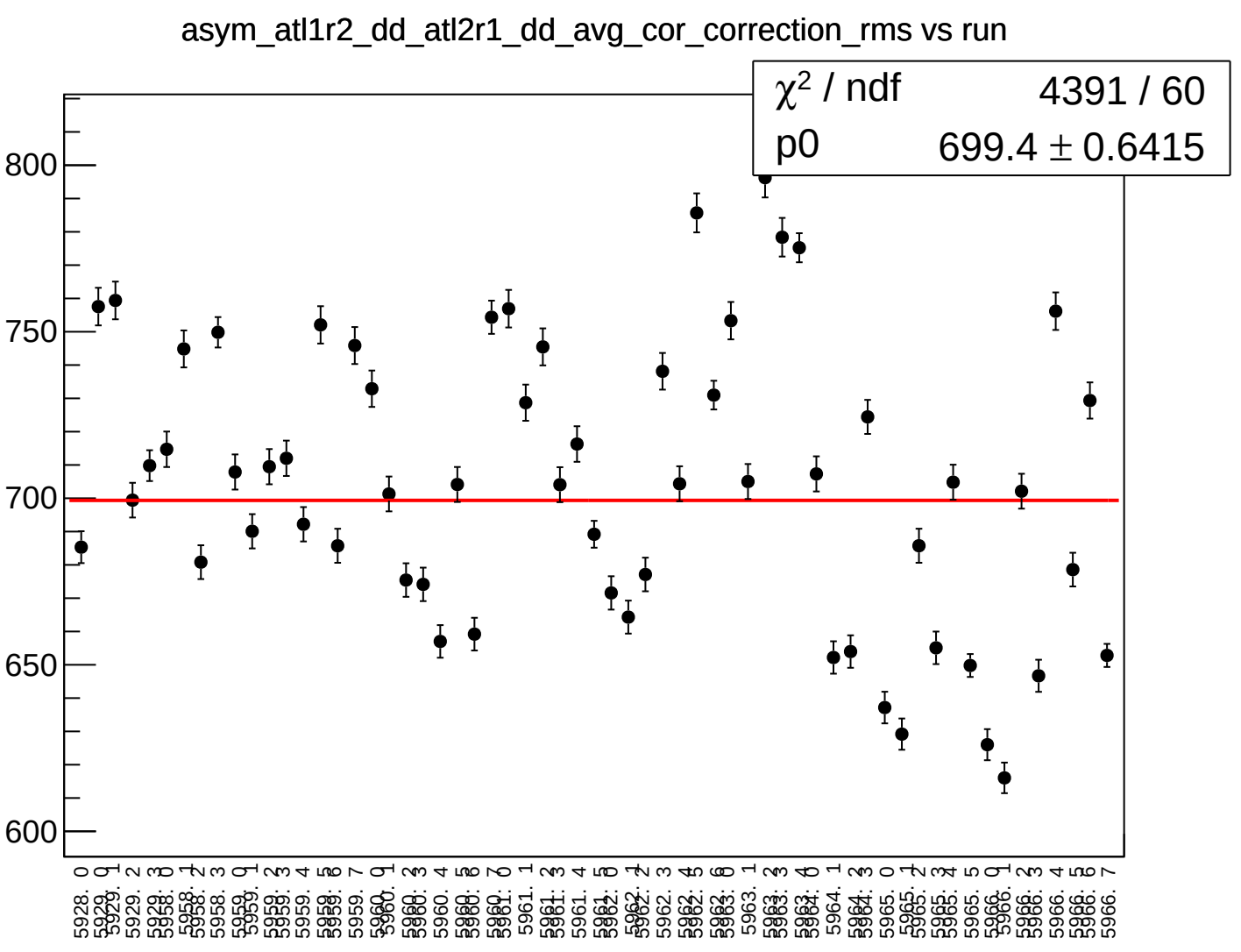

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0

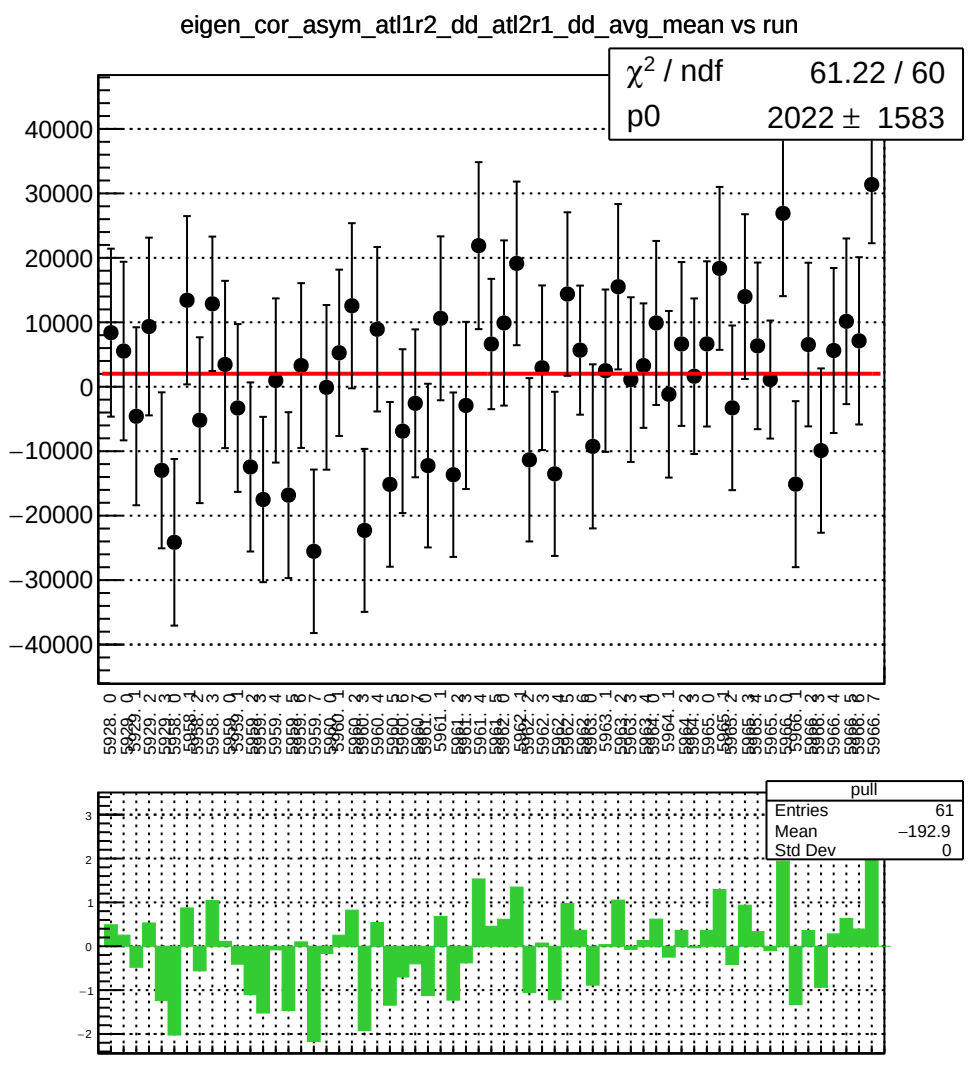

pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

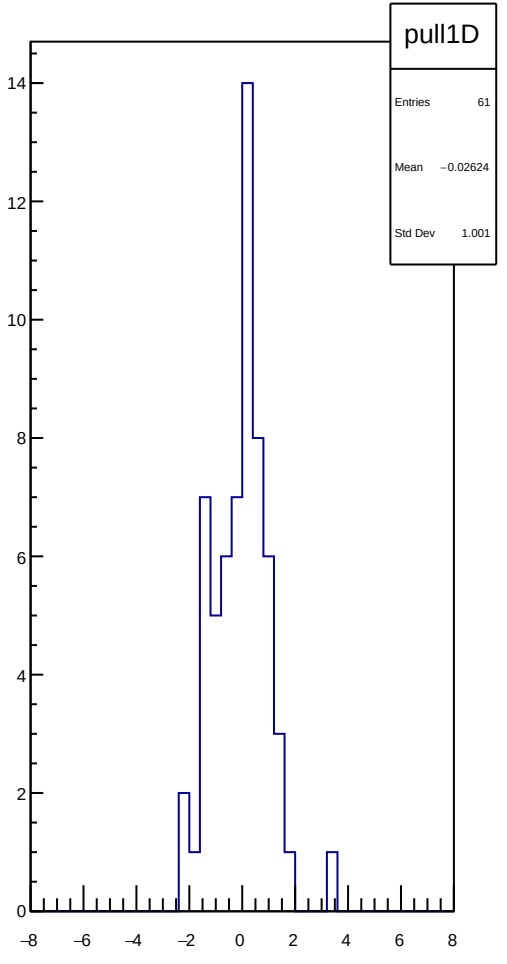

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

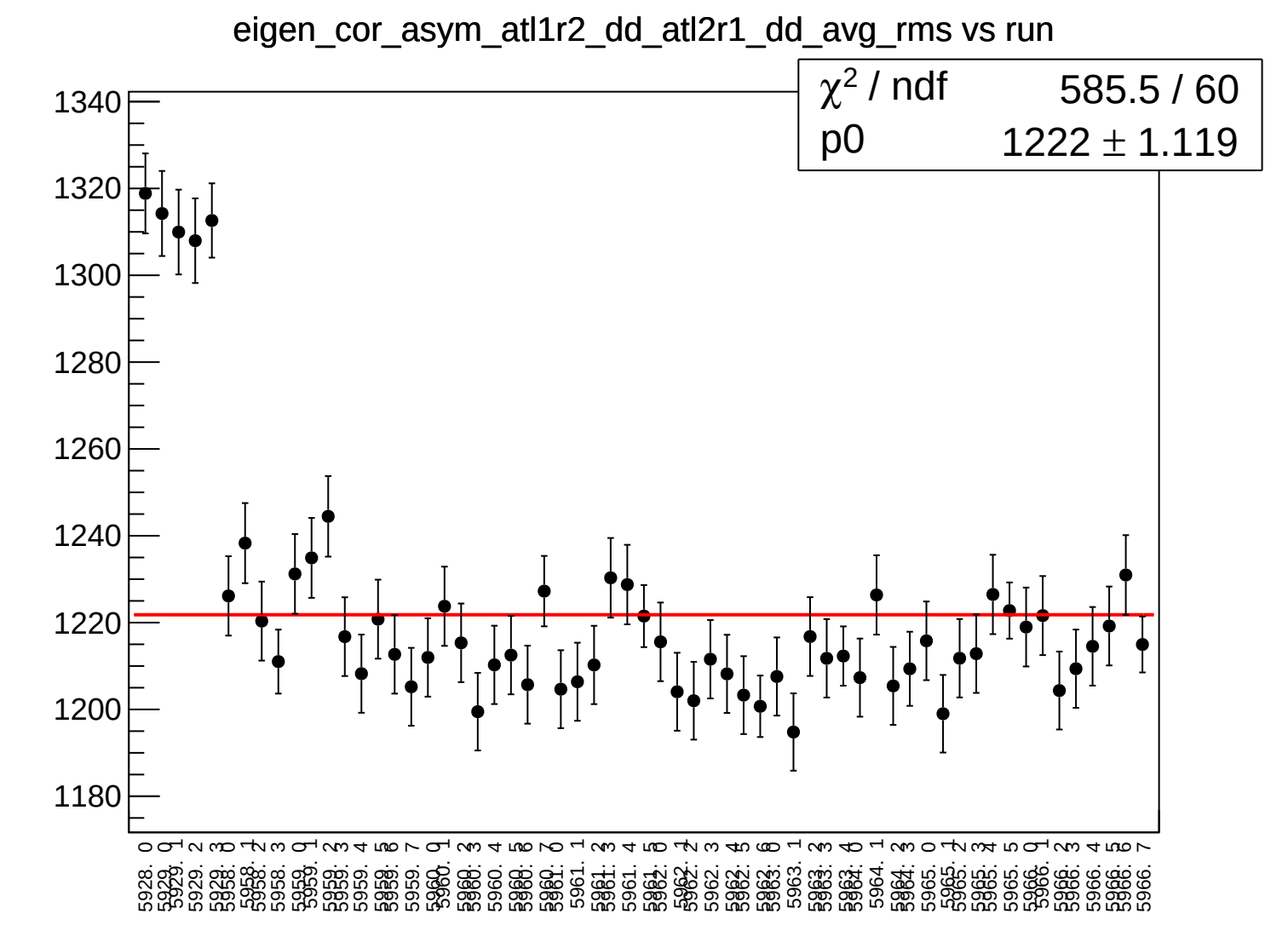

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 48.56
Std Dev 0
2
1
0
−1
−2

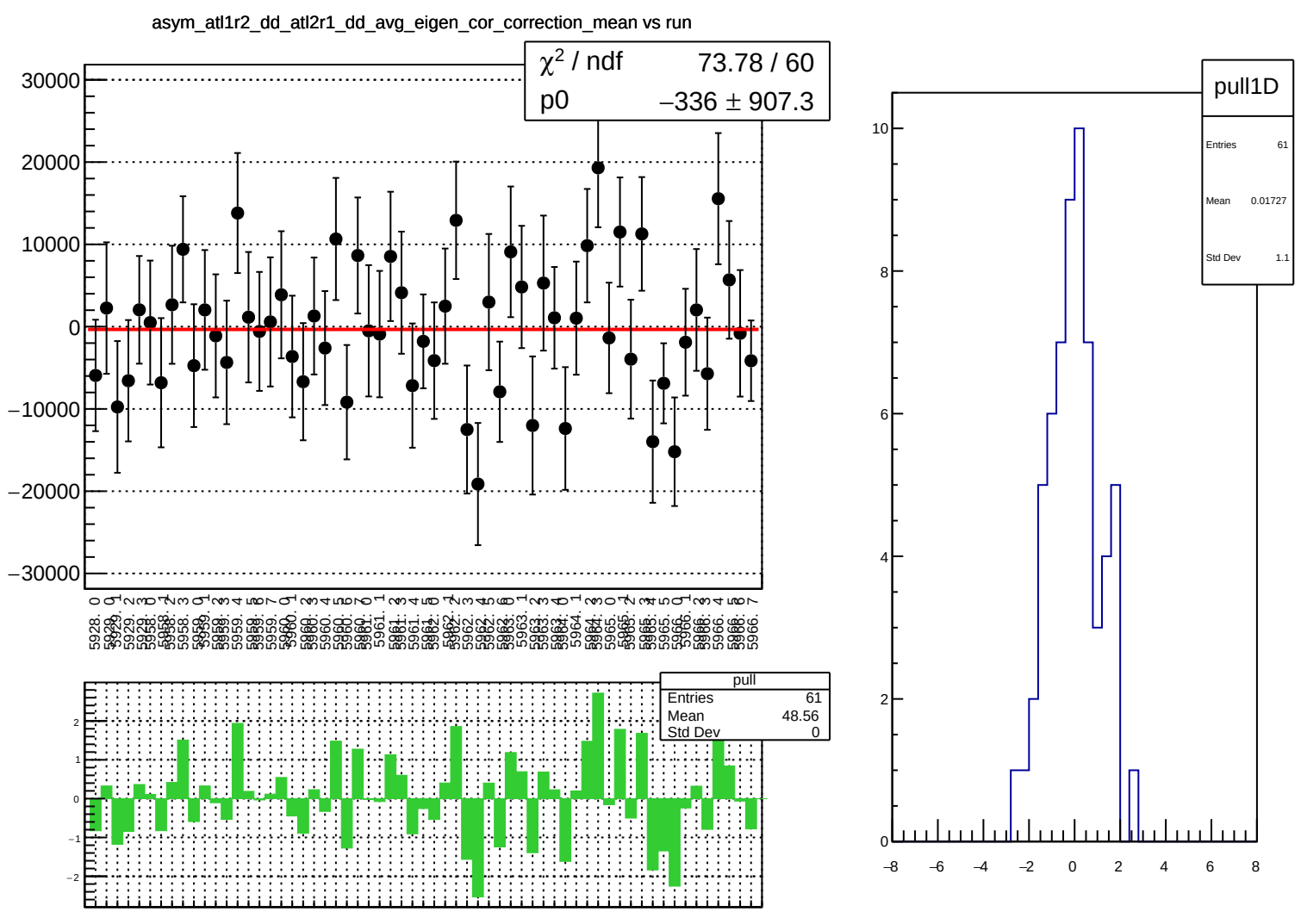

pull1D
Entries 61
Mean 0.01727
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

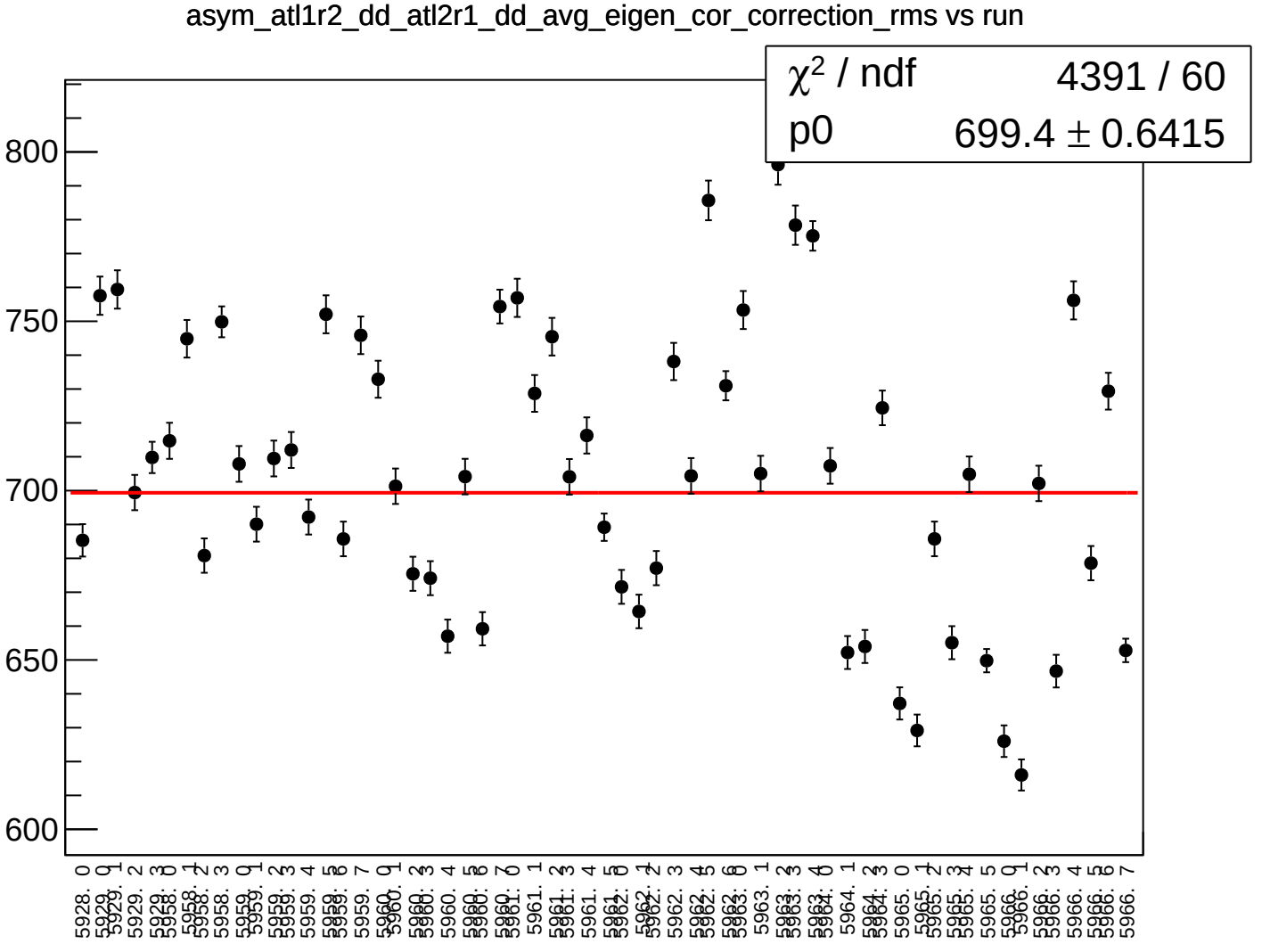

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 4391 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

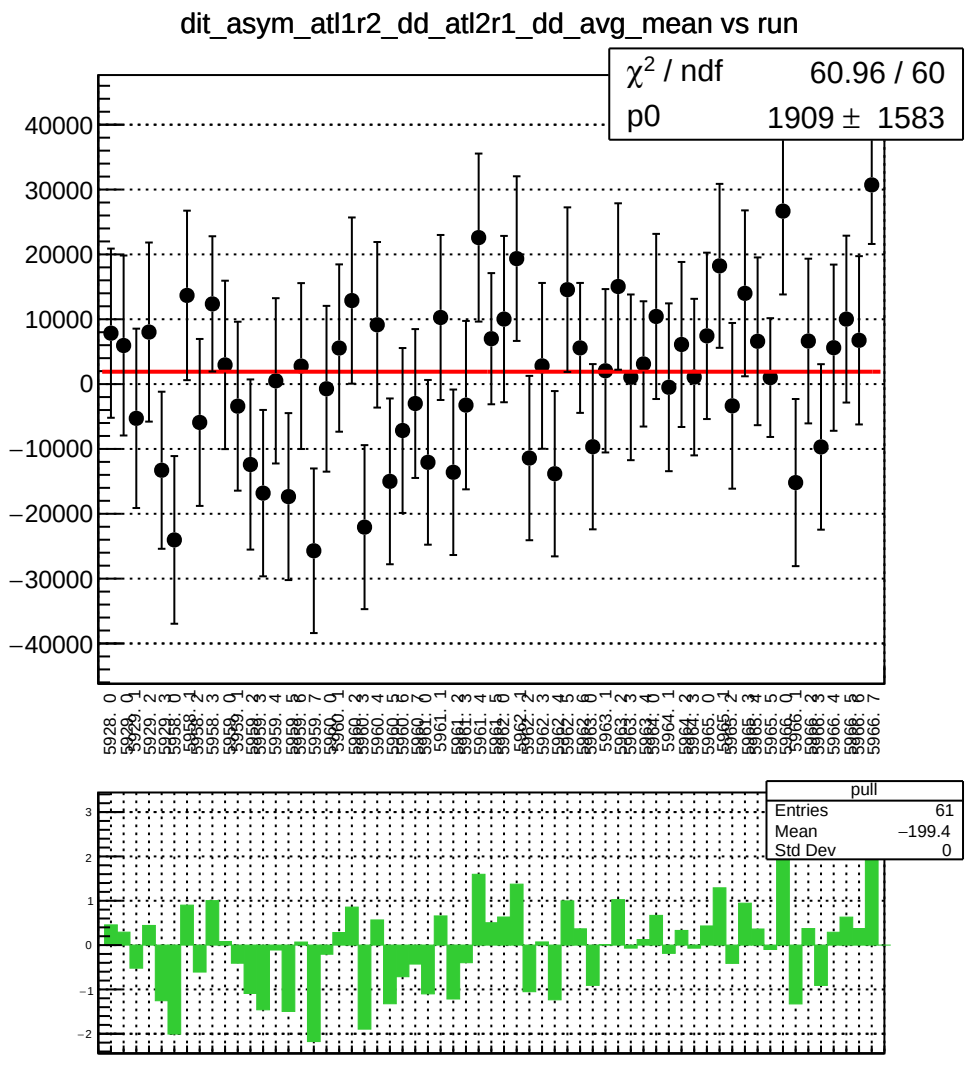

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 61.22 / 60
p0 2022 ± 1583
pull
Entries 61
Mean −192.9
Std Dev 0

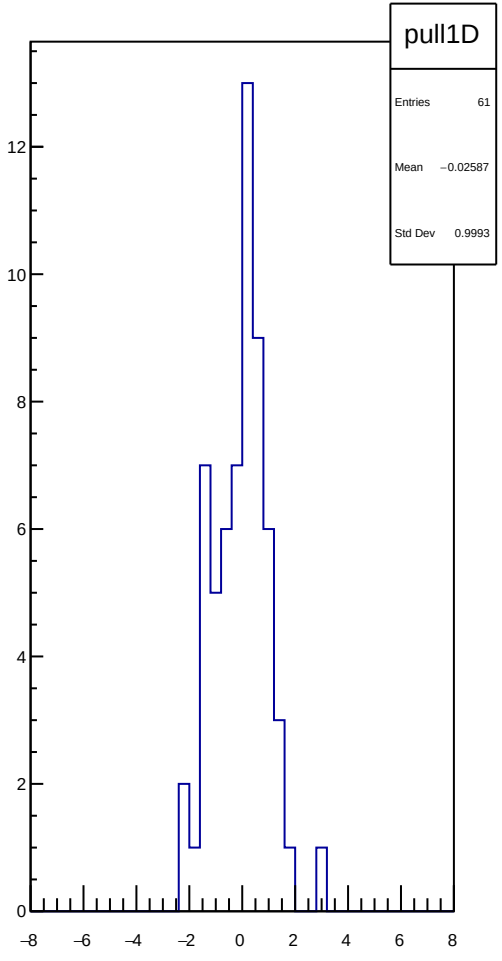

pull1D
Entries 61
Mean −0.02624
Std Dev 1.001

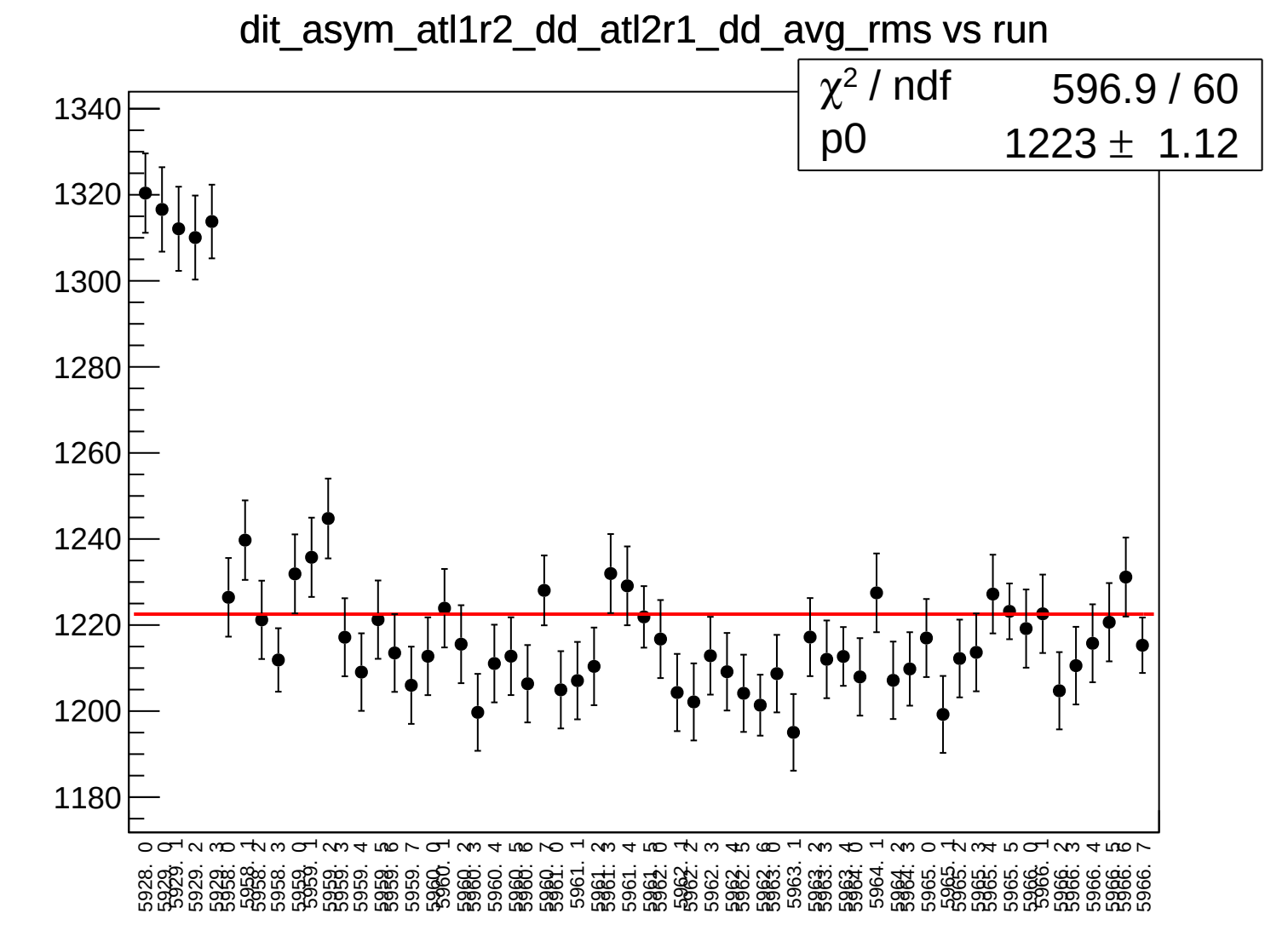

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 585.5 / 60
p0 1222 ± 1.119
1340
1320
1300
1280
1260
1240
1220
1200
1180

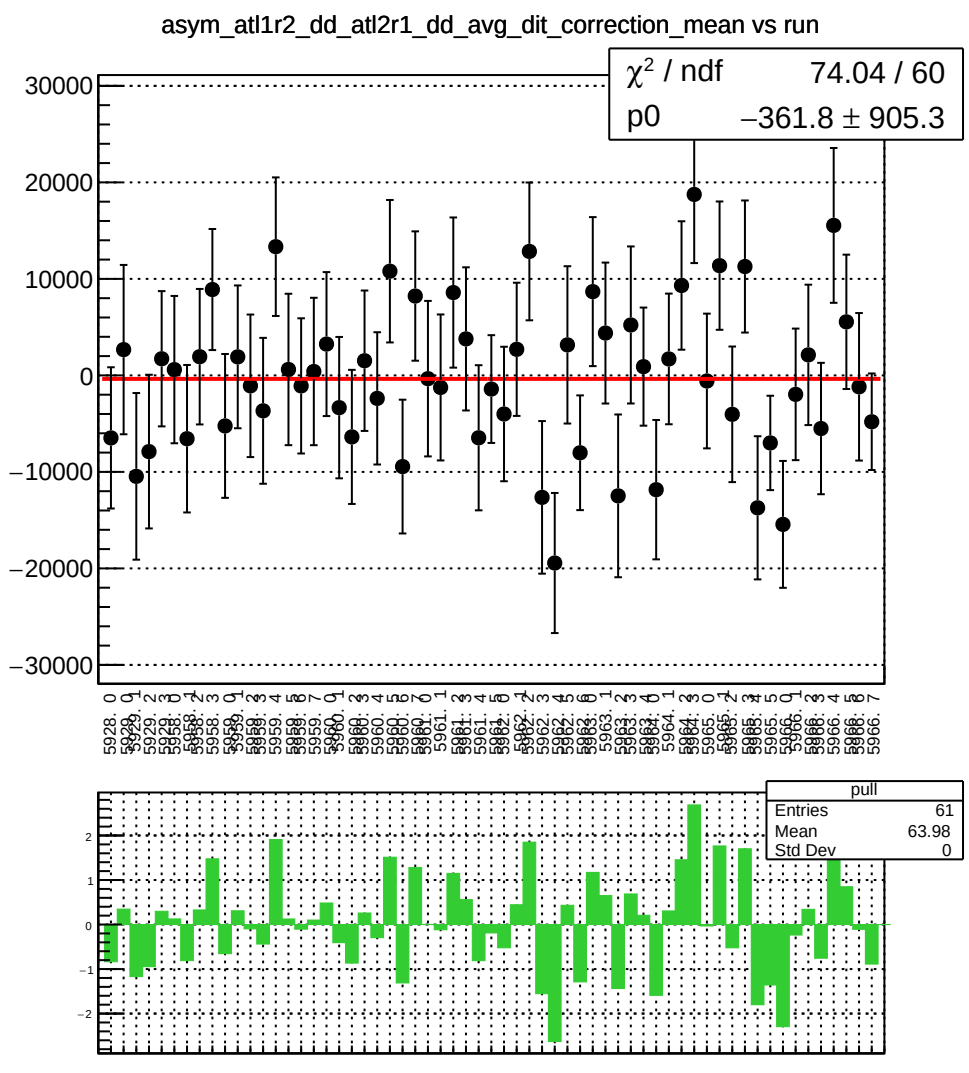

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.78 / 60
p0 −336 ± 907.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 48.56
Std Dev 0
pull1D
Entries 61
Mean 0.01727
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

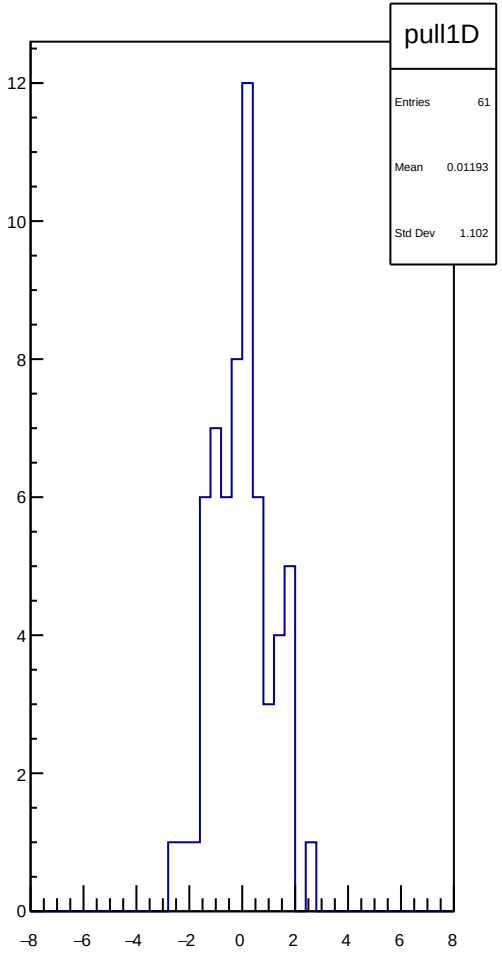

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4391 / 60
p0 699.4 ± 0.6415
800
750
700
650
600

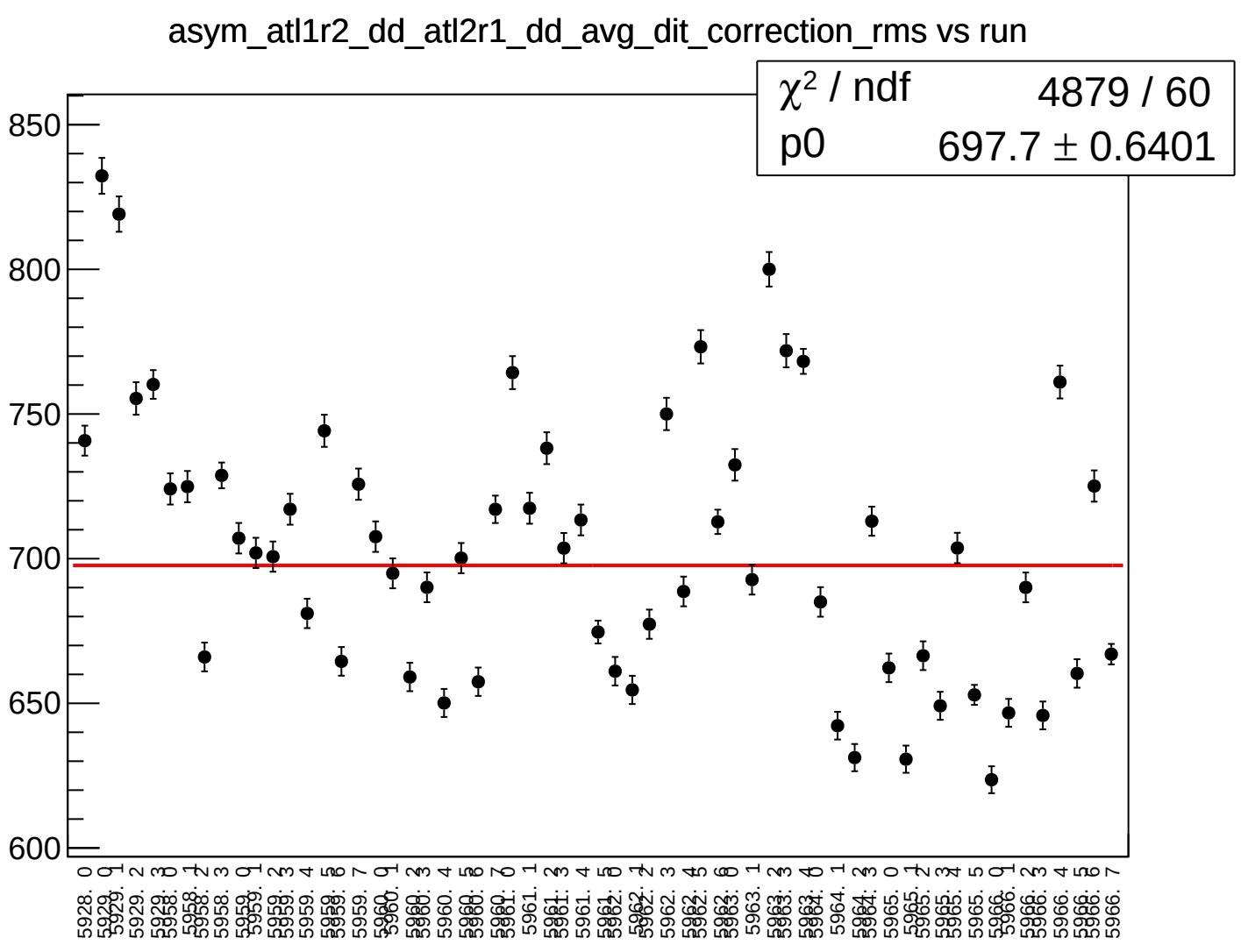

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 60.96 / 60
p0 1909 ± 1583
pull
Entries 61
Mean −199.4
Std Dev 0

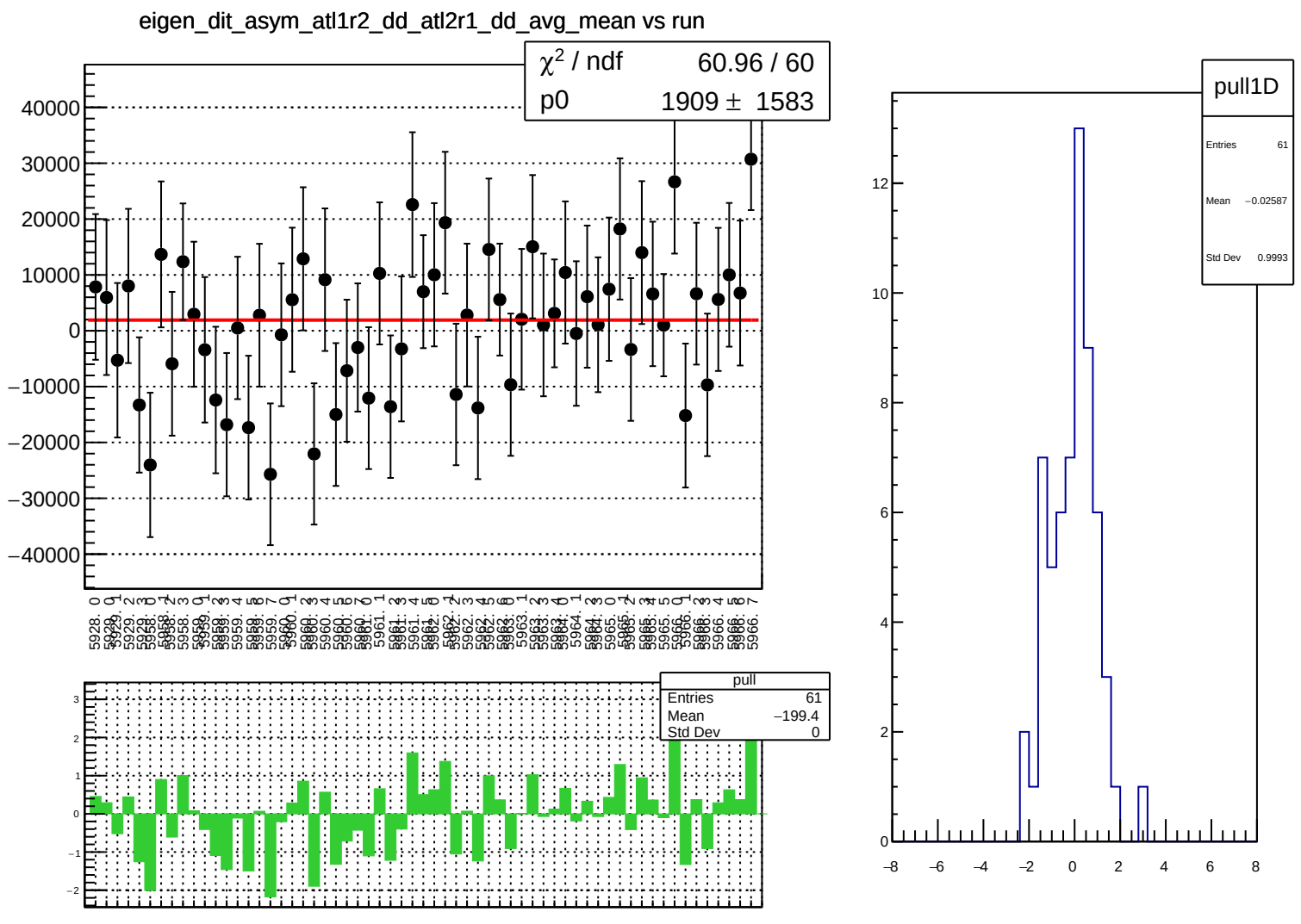

pull1D
Entries 61
Mean −0.02587
Std Dev 0.9993

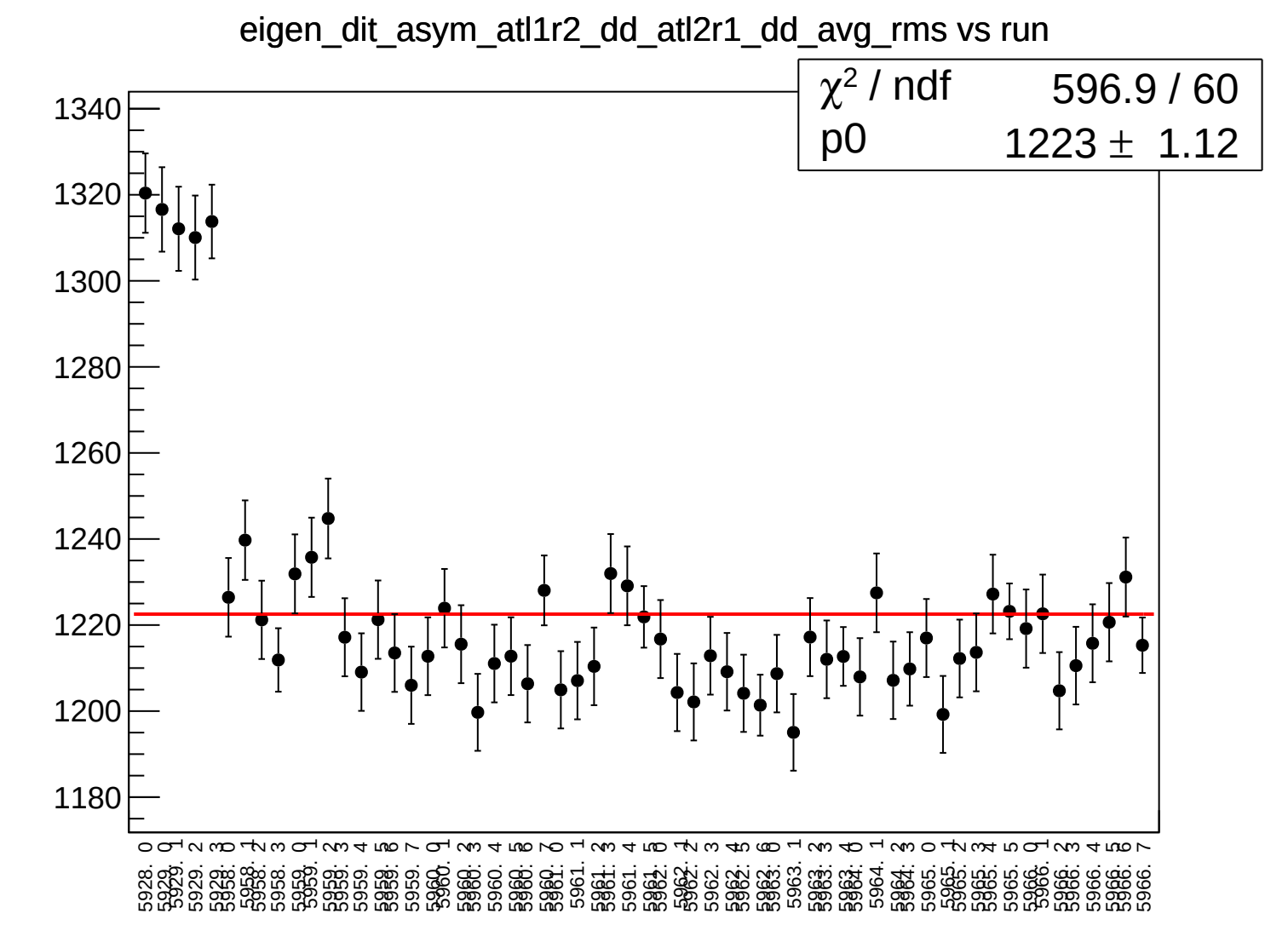

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 596.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

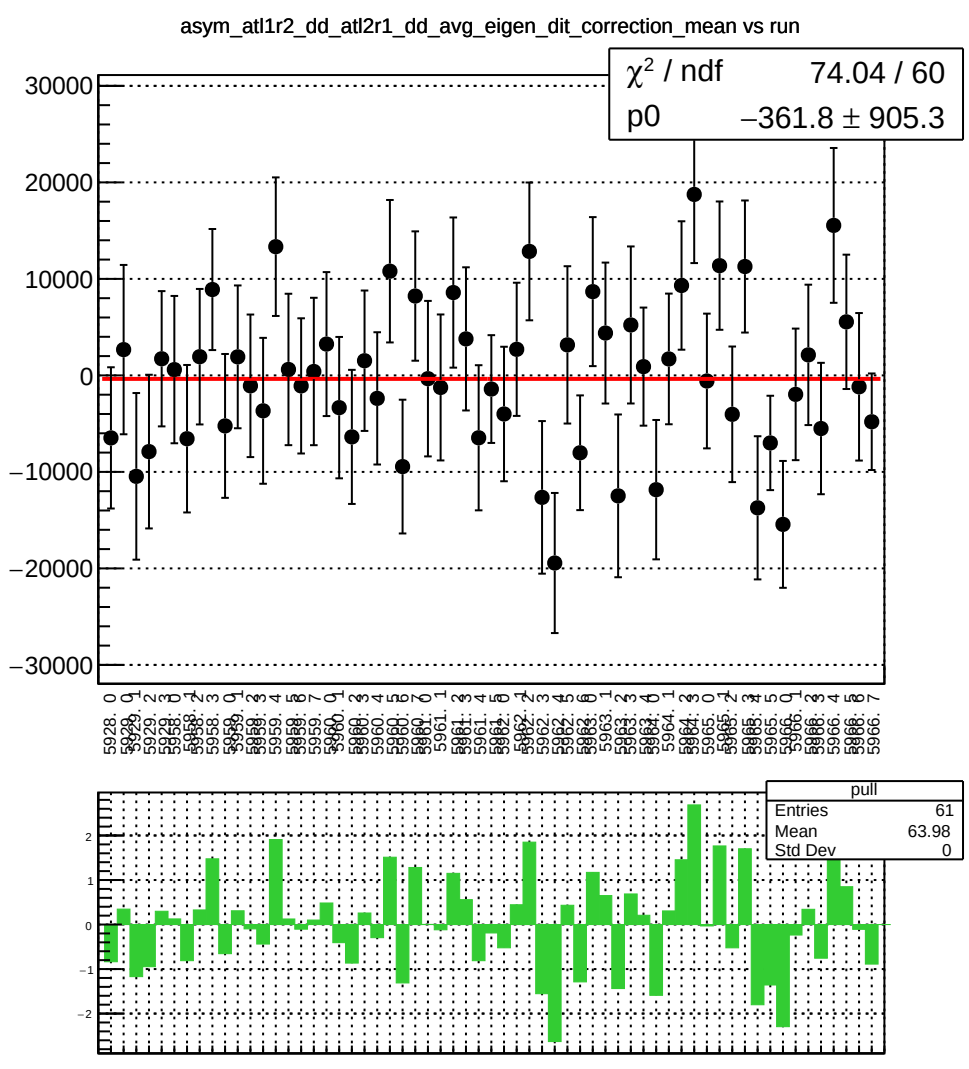

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 74.04 / 60
p0 −361.8 ± 905.3
pull
Entries 61
Mean 63.98
Std Dev 0

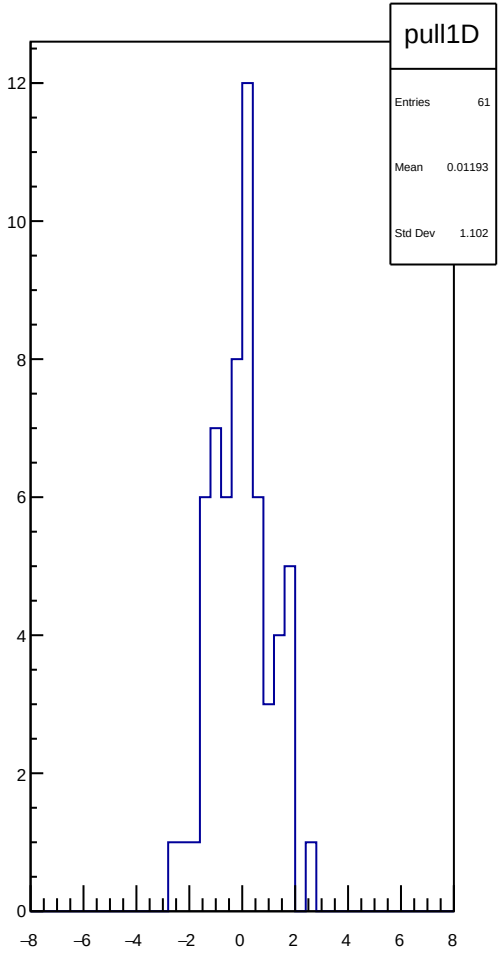

pull1D
Entries 61
Mean 0.01193
Std Dev 1.102

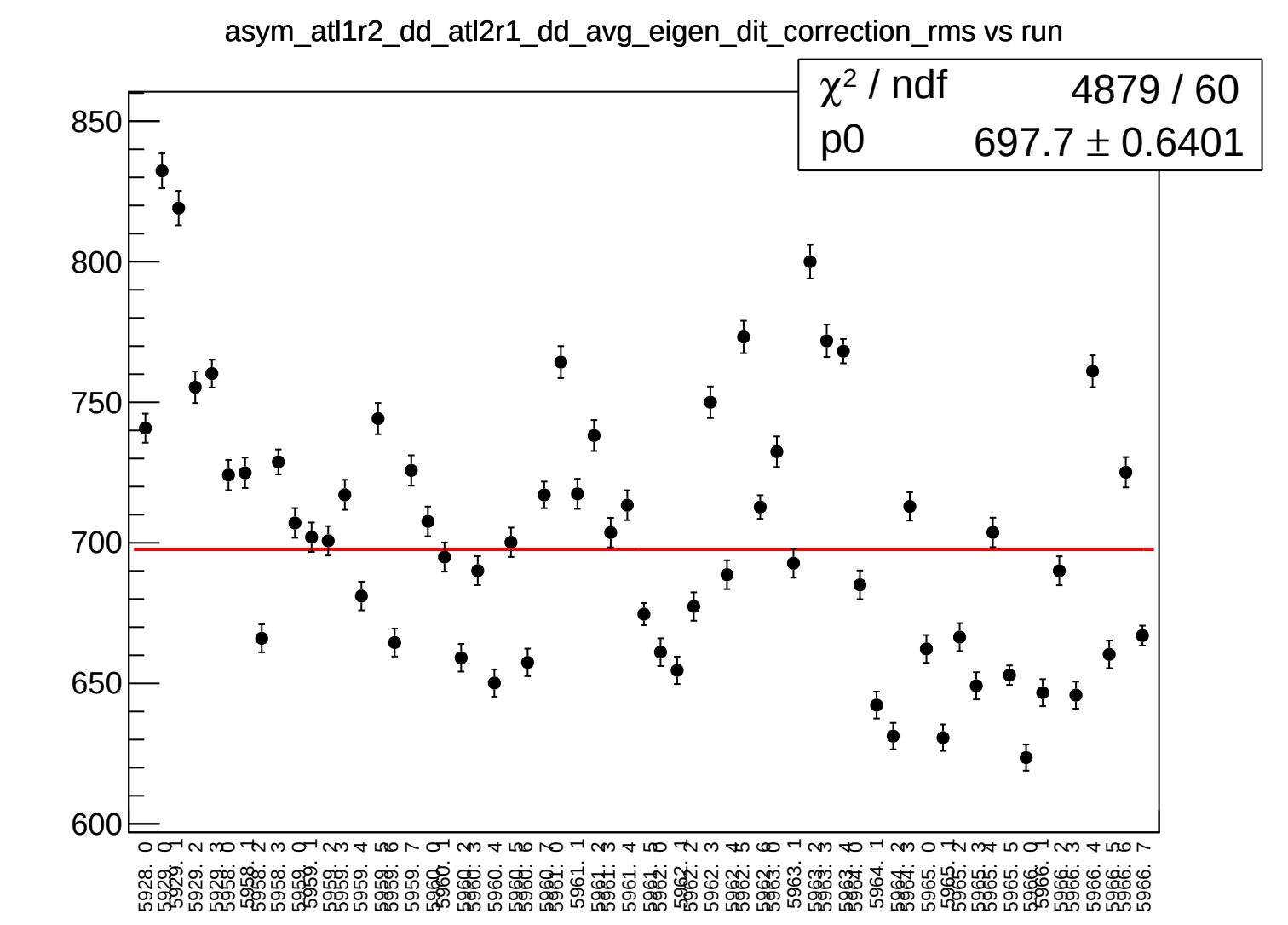

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 4879 / 60
p0 697.7 ± 0.6401
850
800
750
700
650
600

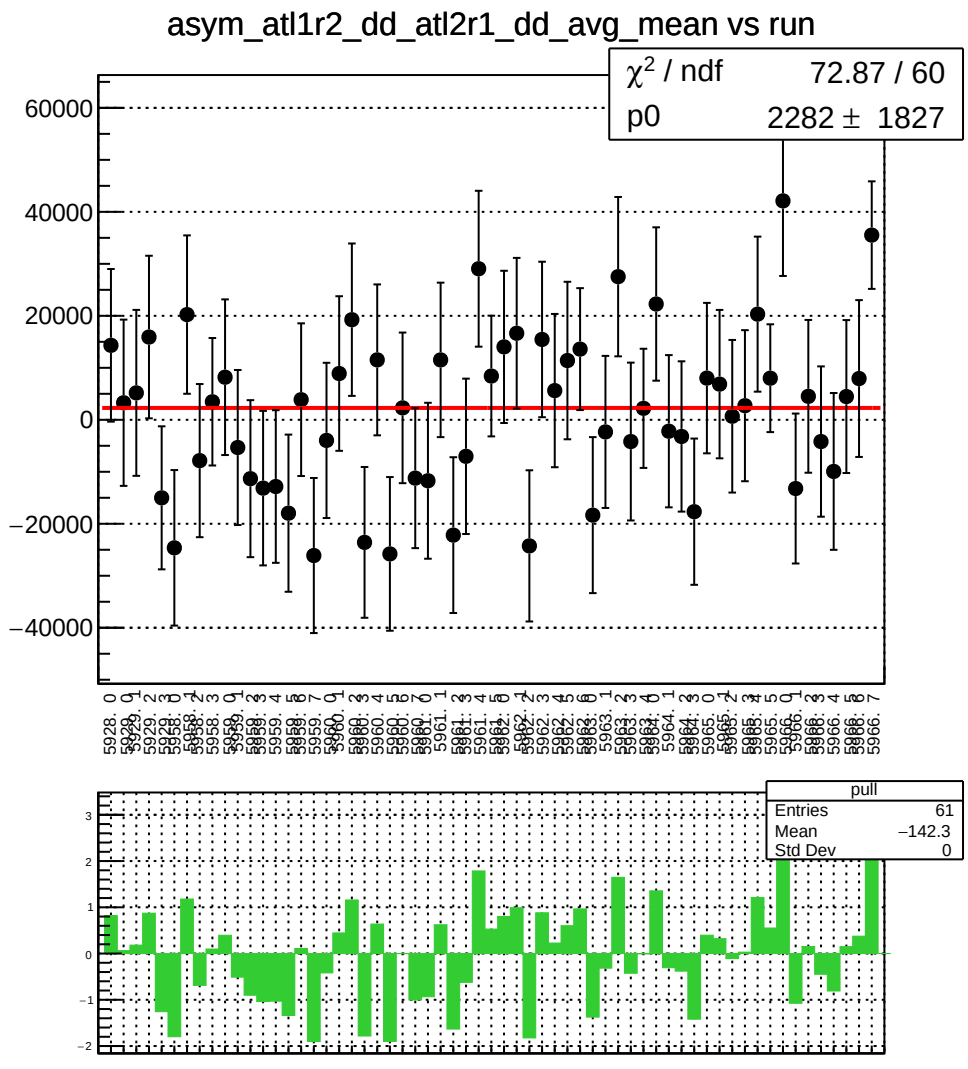

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 60.96 / 60
p0 1909 ± 1583
pull
Entries 61
Mean −199.4
Std Dev 0
pull1D
Entries 61
Mean −0.02587
Std Dev 0.9993

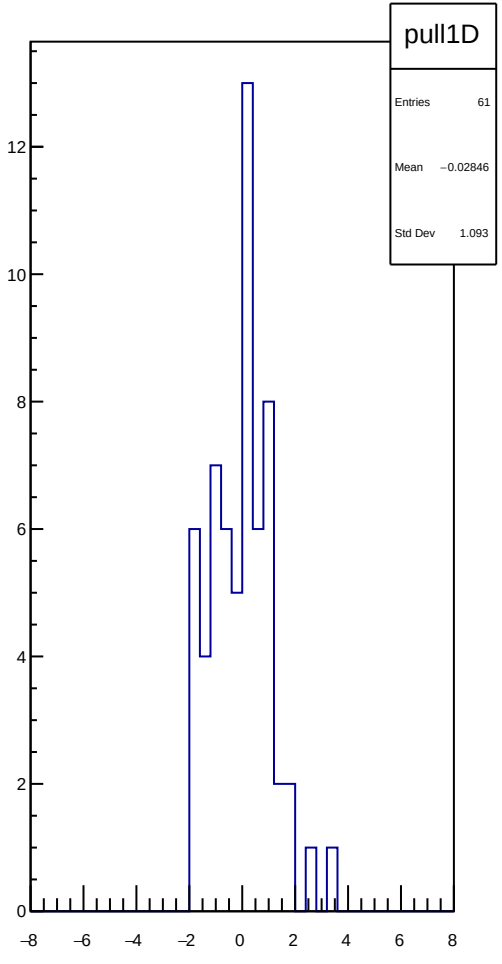

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 596.9 / 60
p0 1223 ± 1.12
1340
1320
1300
1280
1260
1240
1220
1200
1180

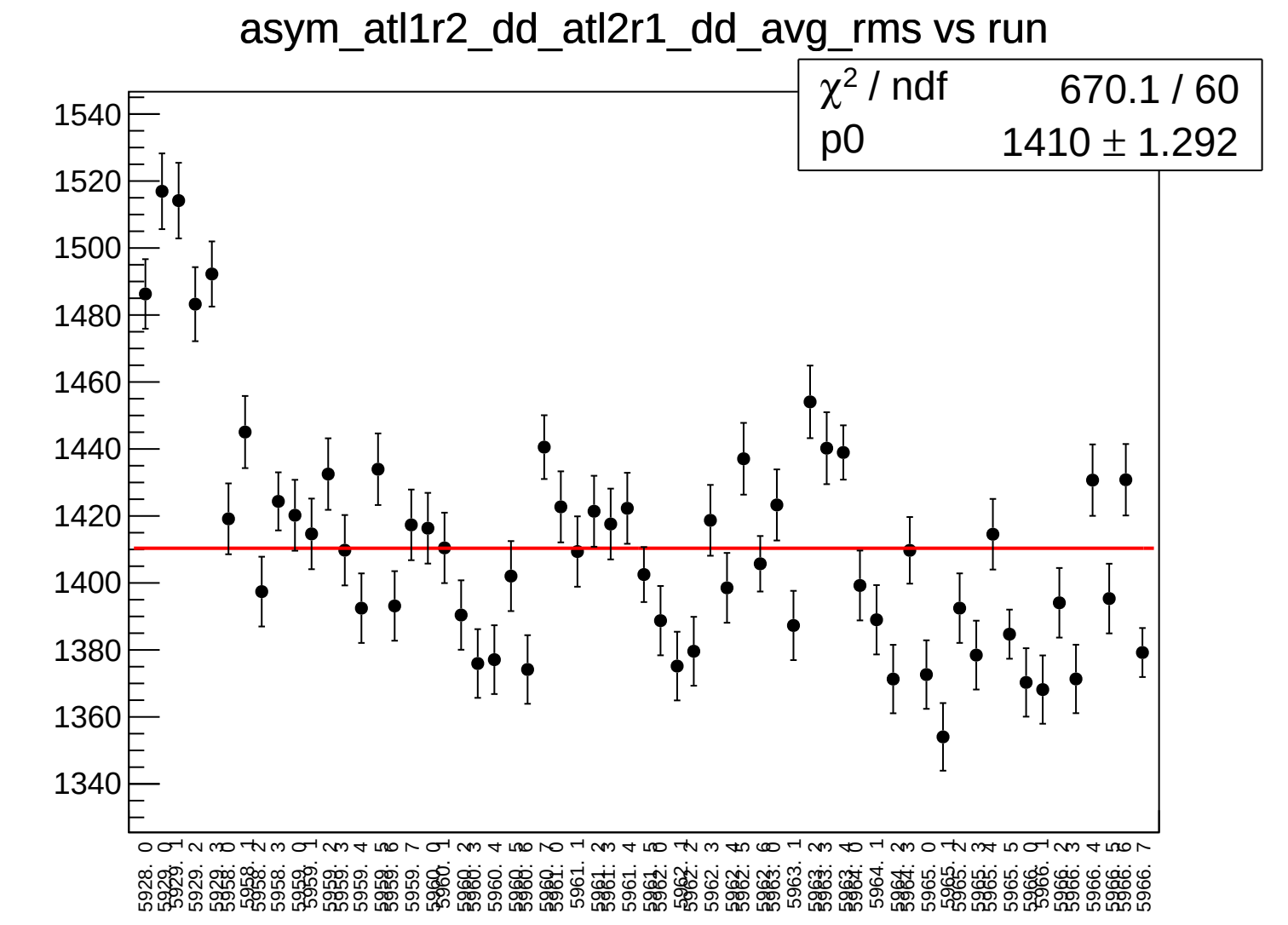

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 74.04 / 60
p0 −361.8 ± 905.3
pull
Entries 61
Mean 63.98
Std Dev 0

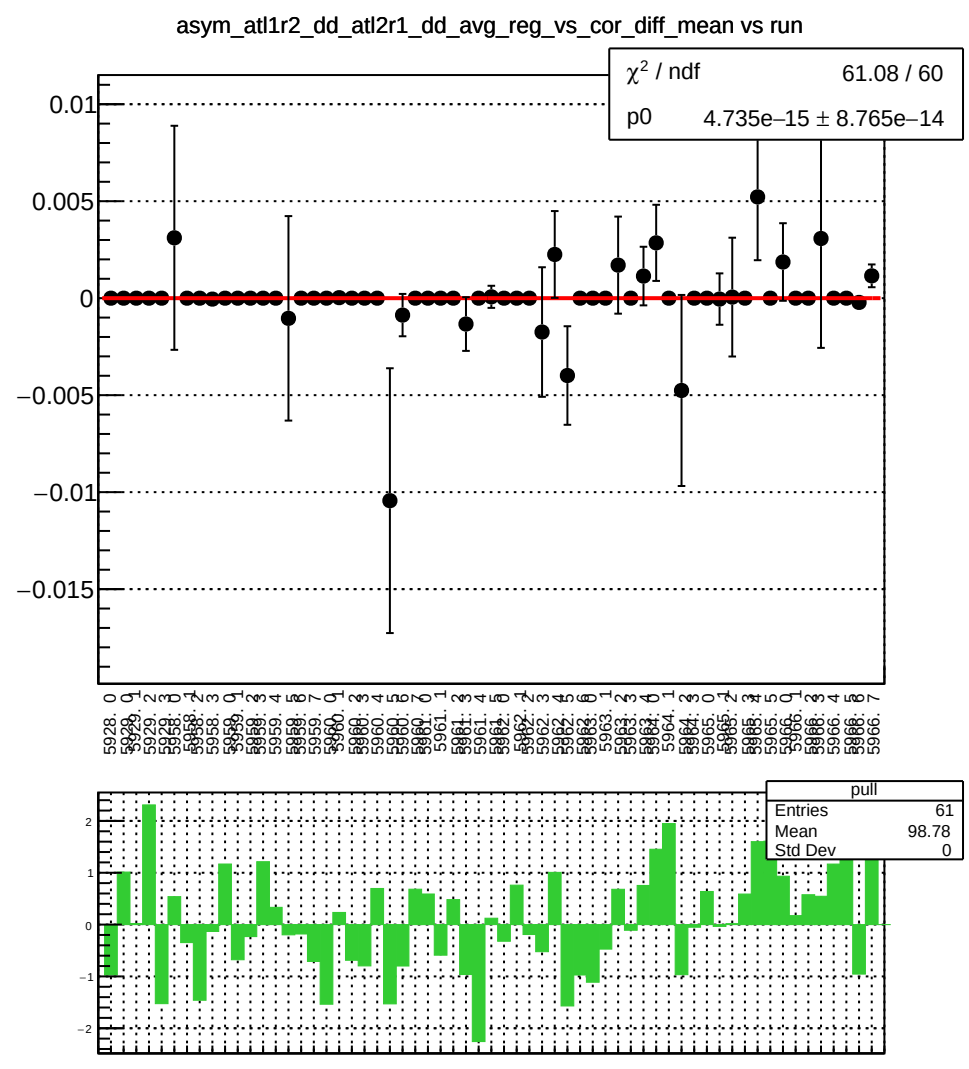

pull1D
Entries 61
Mean 0.01193
Std Dev 1.102

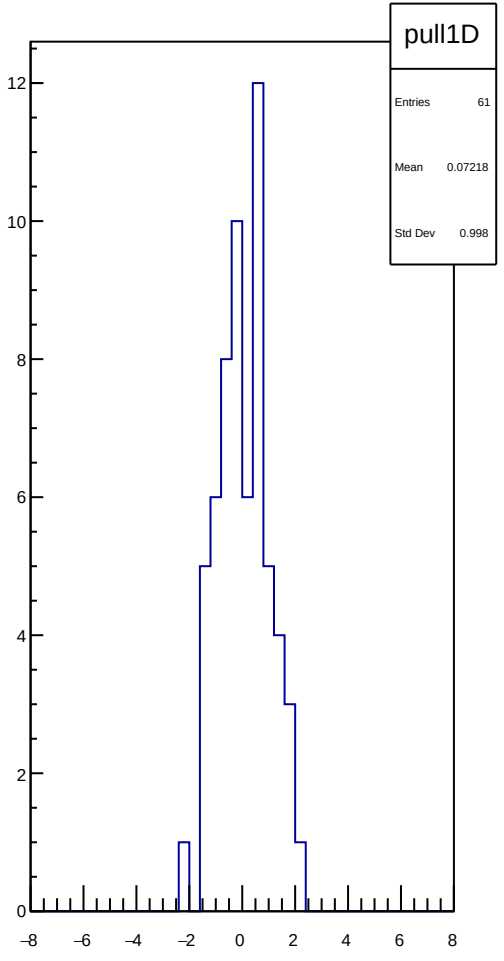

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4879 / 60
p0 697.7 ± 0.6401
850
800
750
700
650
600

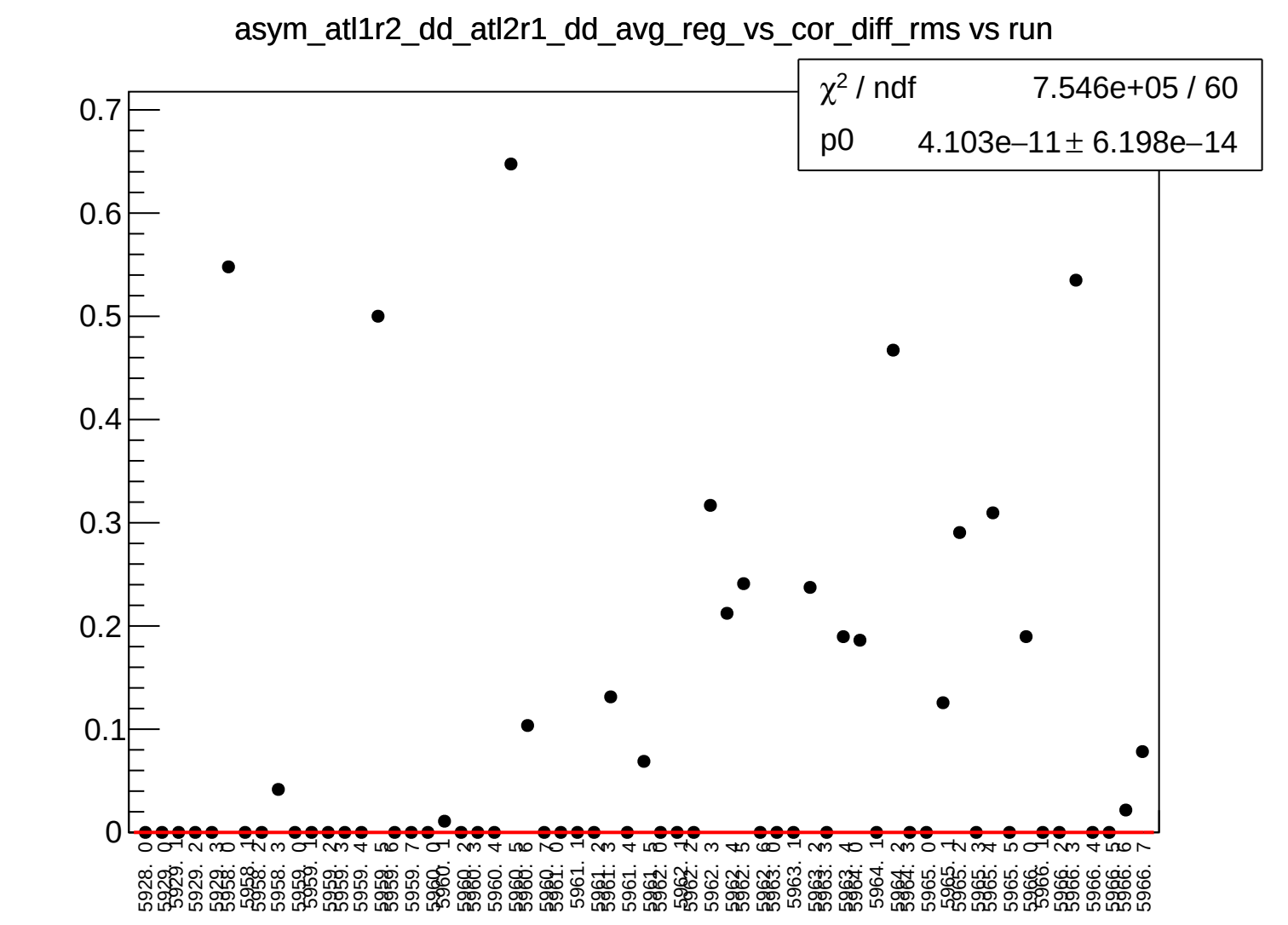

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 72.87 / 60
p0 2282 ± 1827
pull
Entries 61
Mean −142.3
Std Dev 0

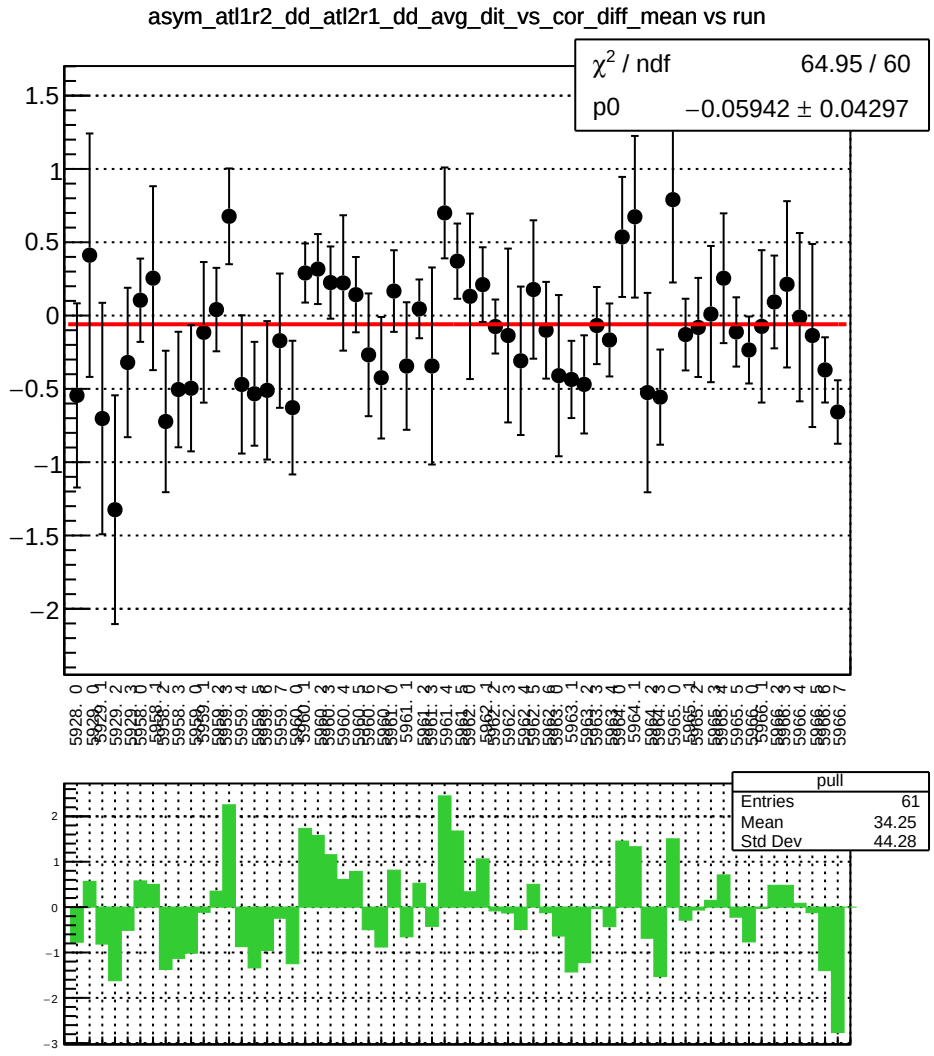

pull1D
Entries 61
Mean −0.02846
Std Dev 1.093

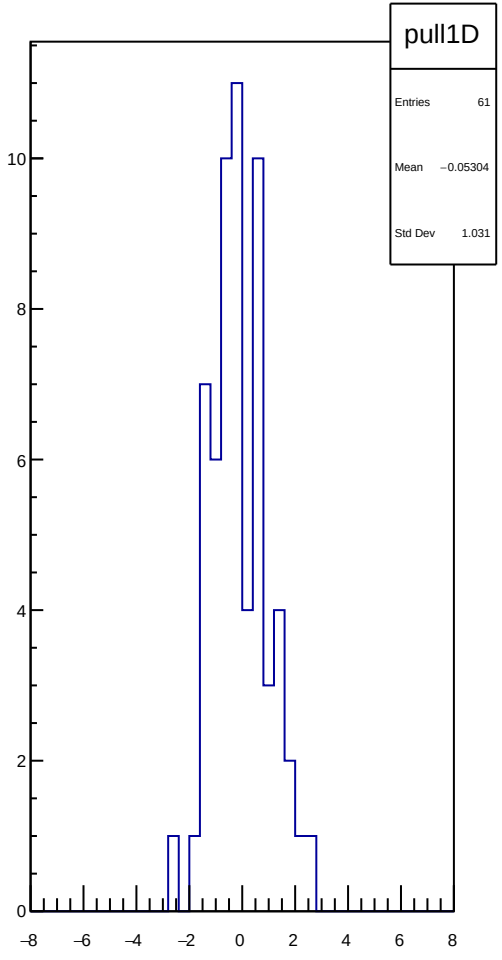

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 670.1 / 60
p0 1410 ± 1.292
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340

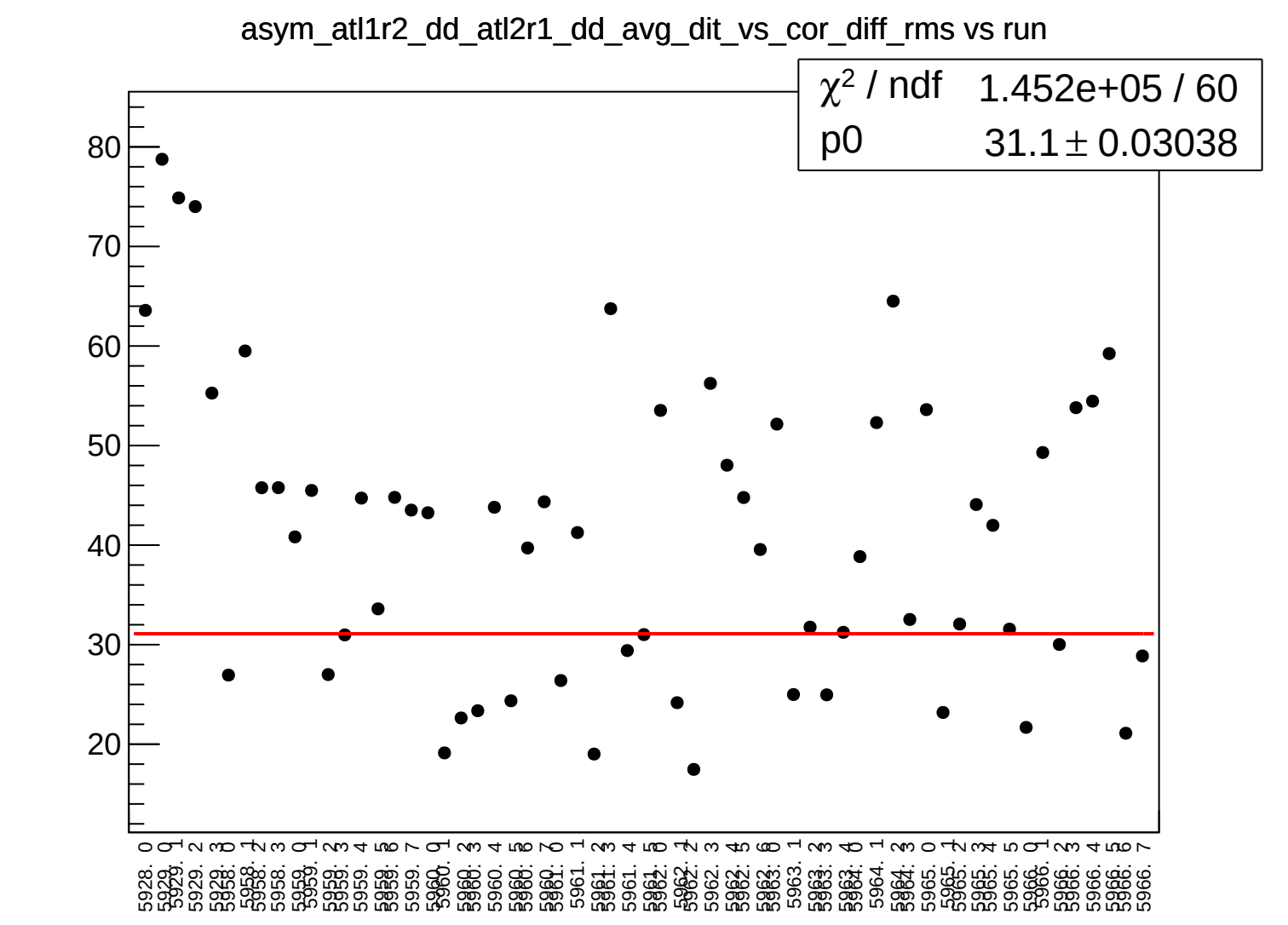

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.08 / 60
p0 4.735e−15 ± 8.765e−14
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 61
Mean 98.78
Std Dev 0
2
1
0
−1
−2

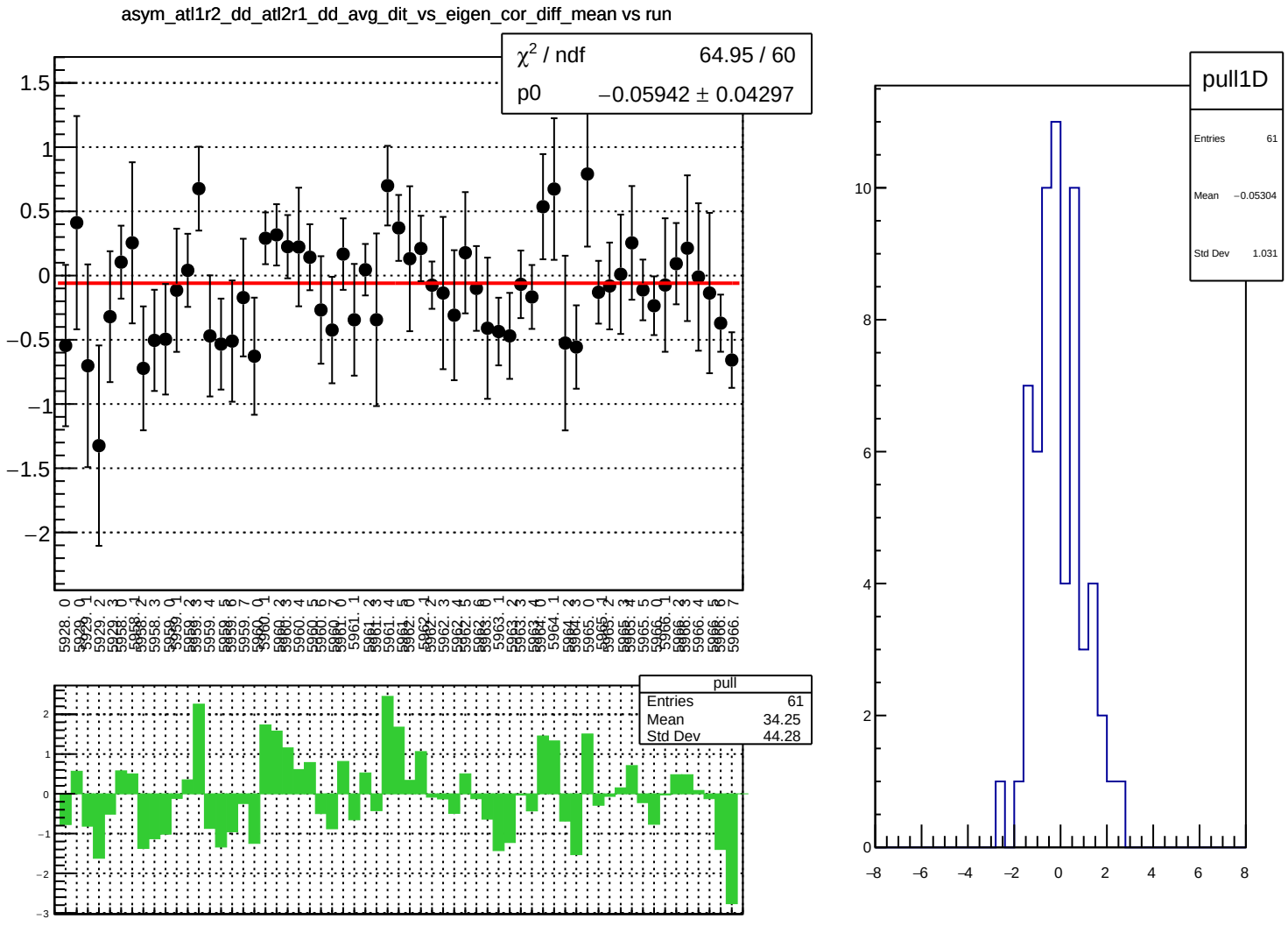

pull1D
Entries 61
Mean 0.07218
Std Dev 0.998
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

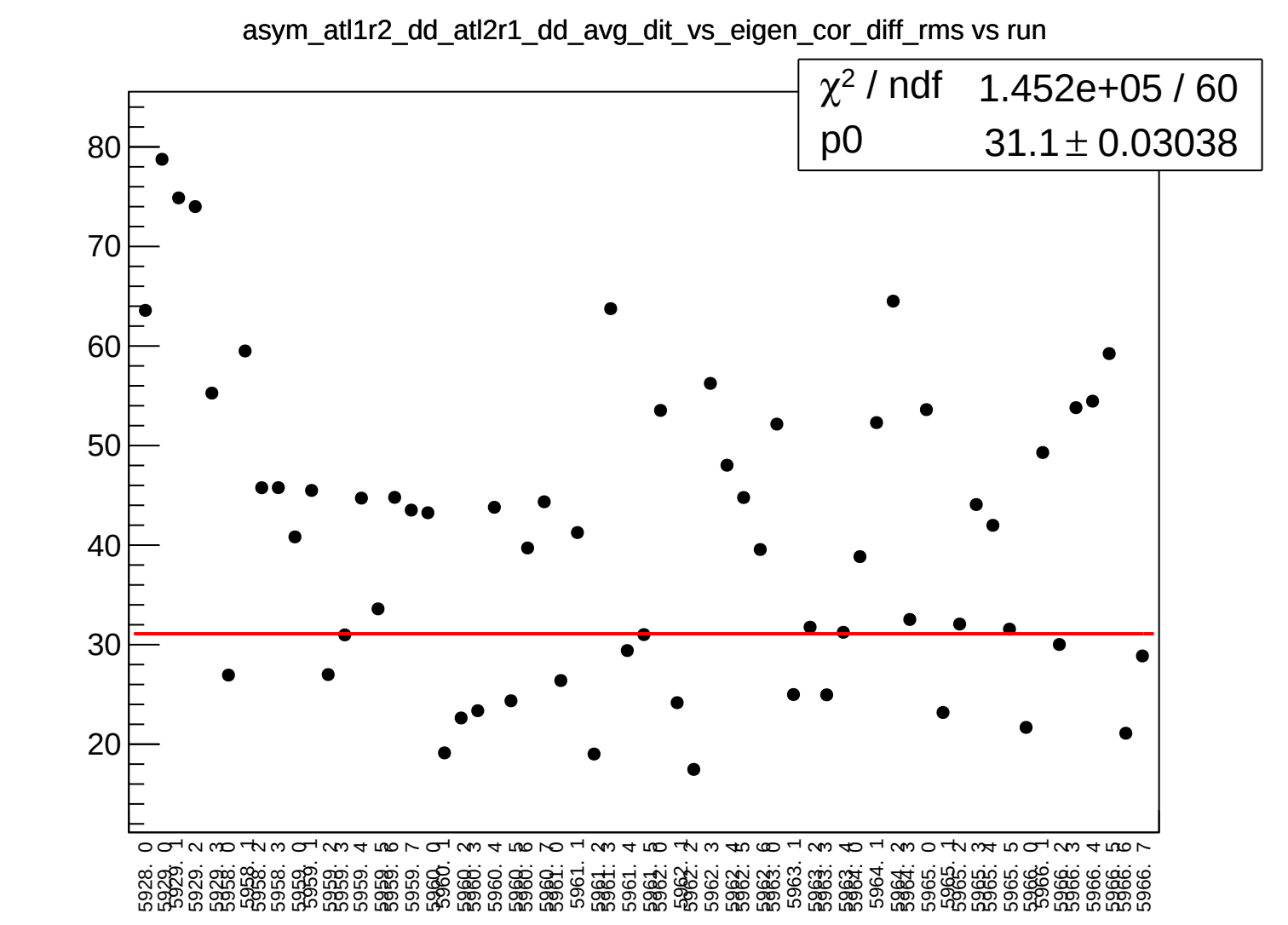

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.546e+05 / 60
p0 4.103e−11 ± 6.198e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

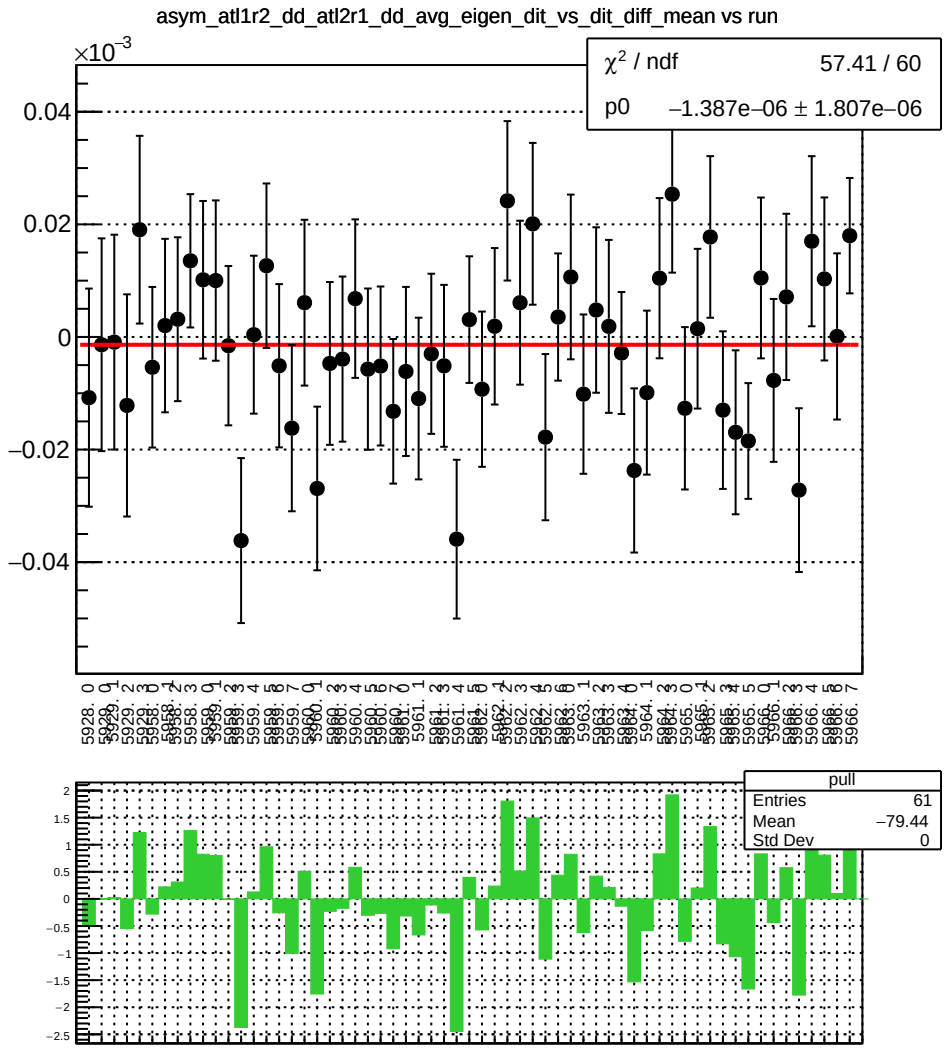

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28

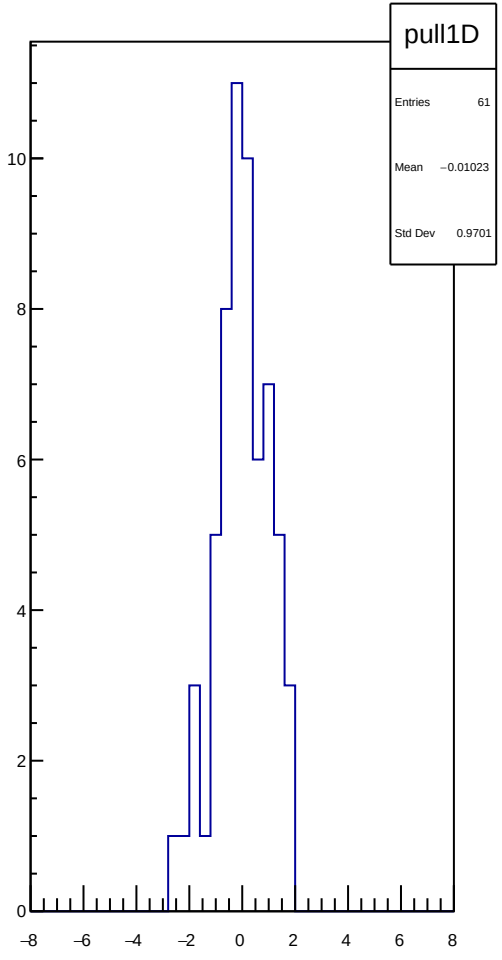

pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

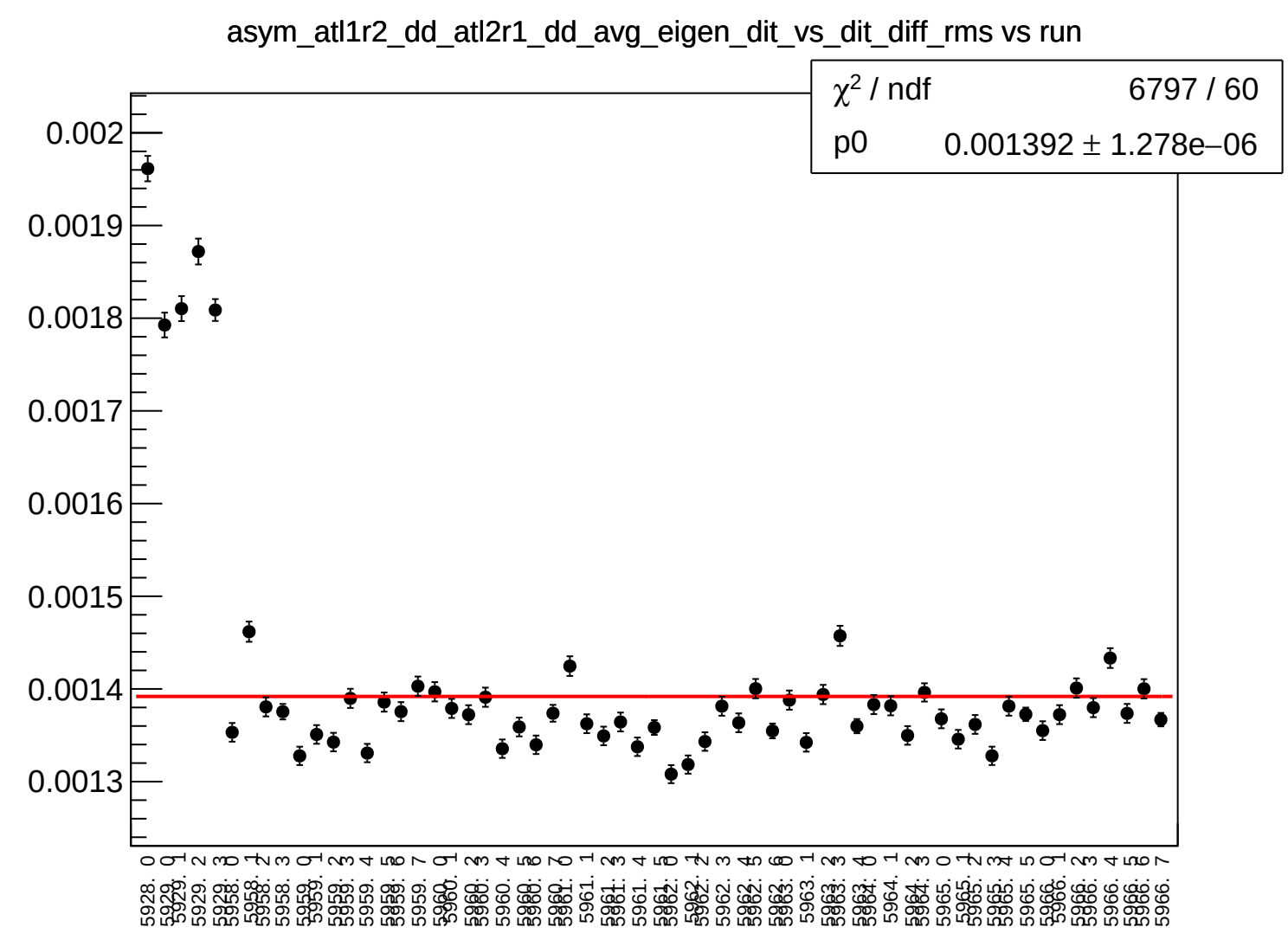

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

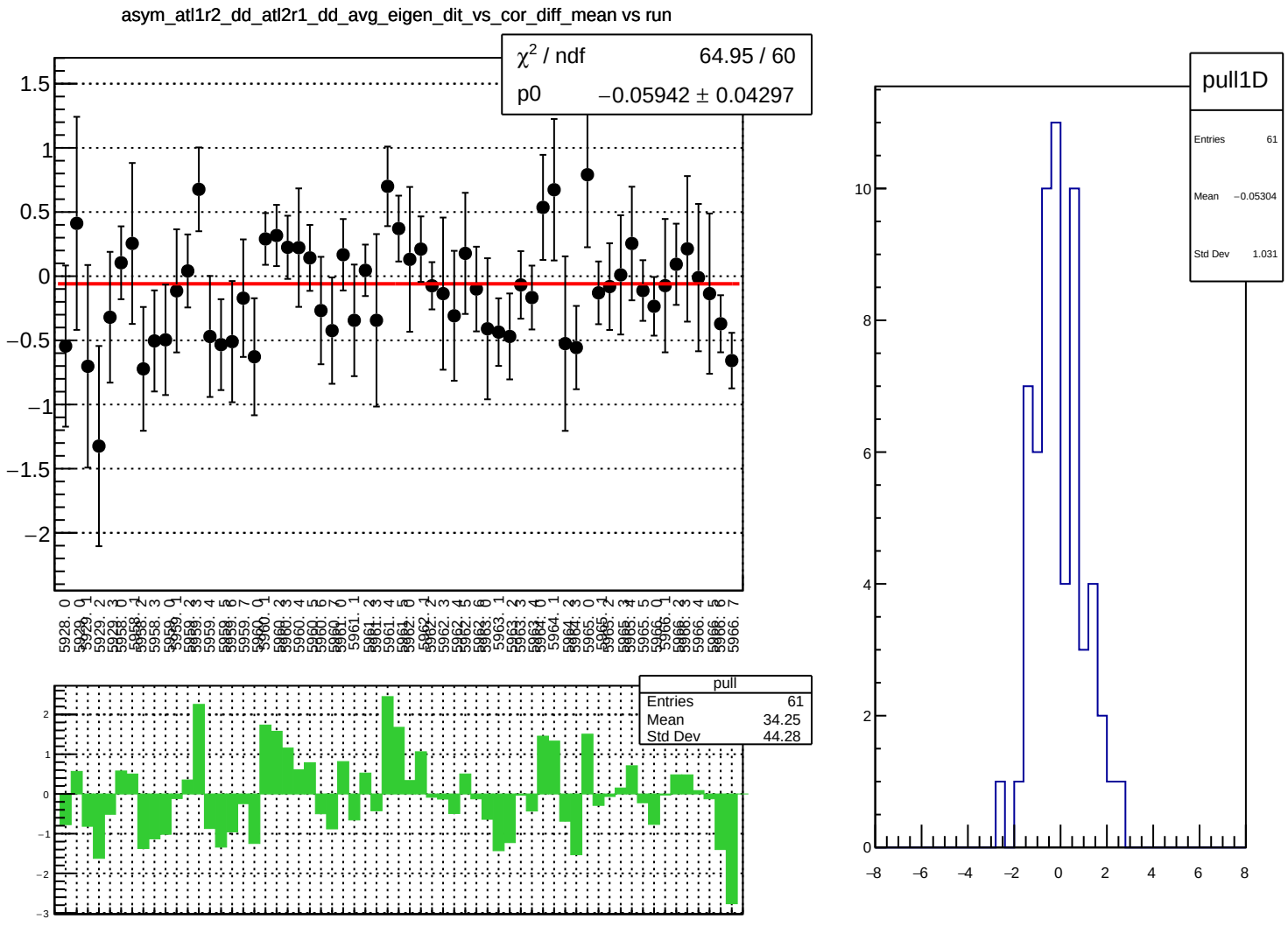

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

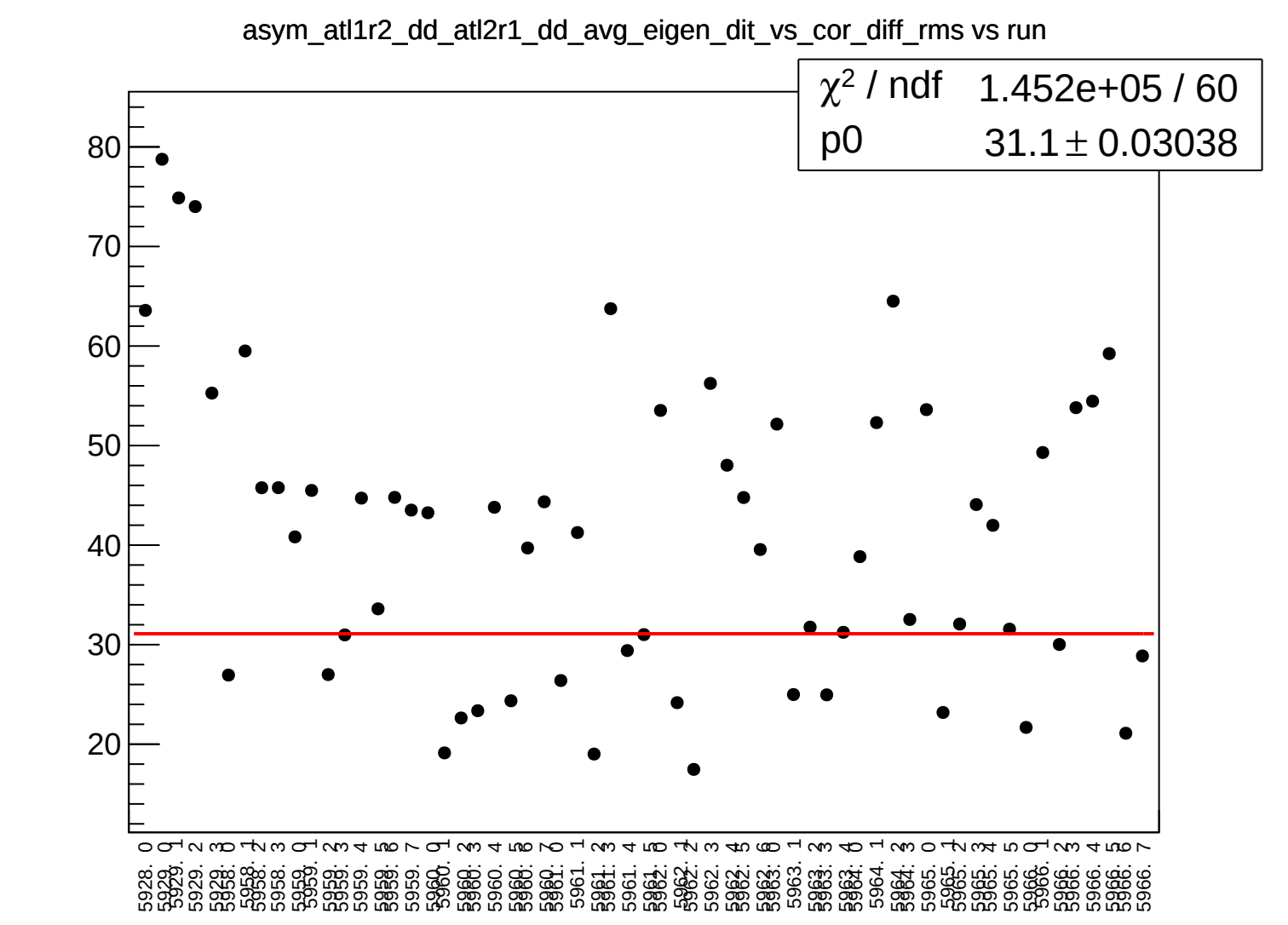

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

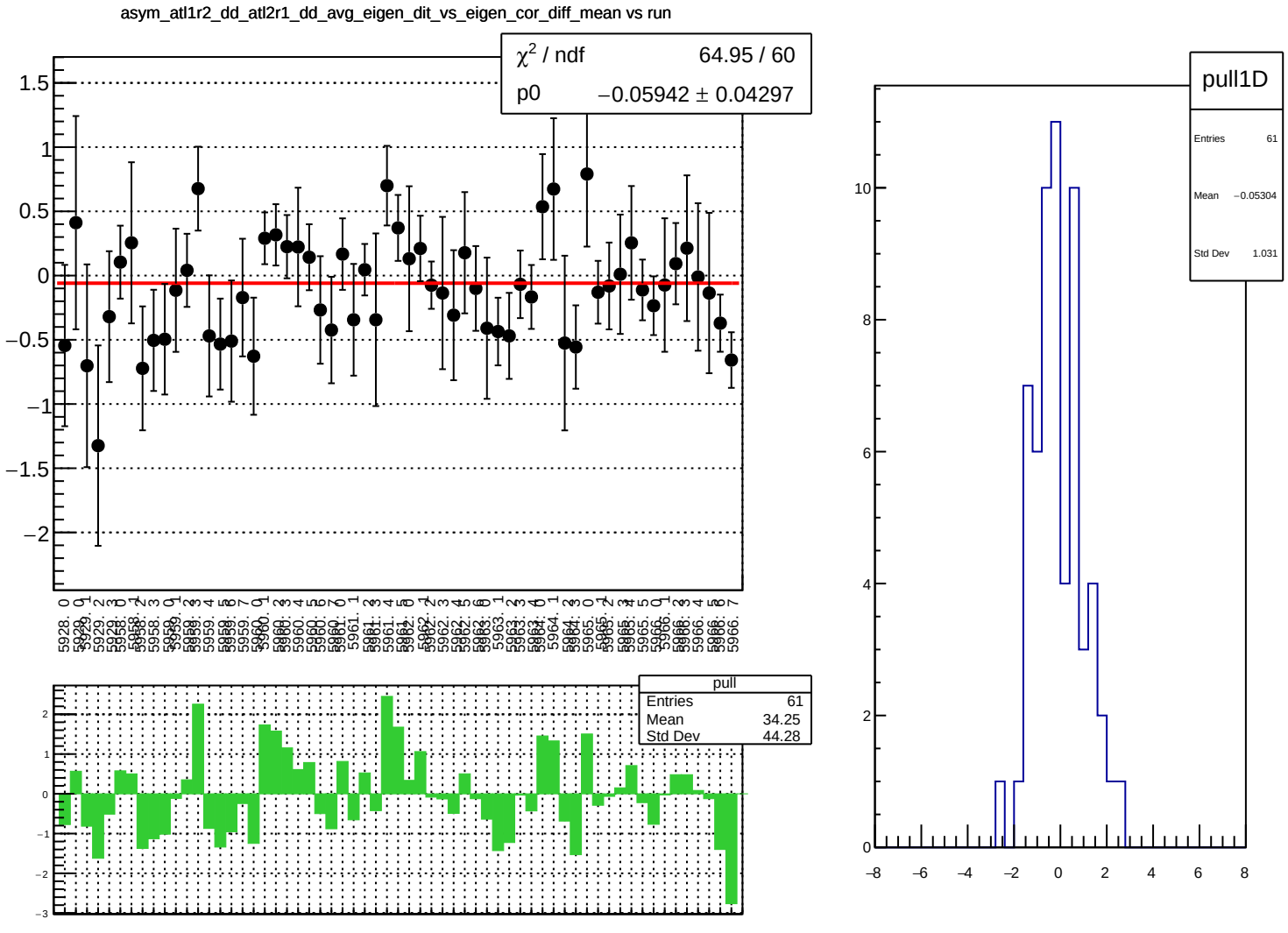

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 57.41 / 60
p0 −1.387e−06 ± 1.807e−06
pull
Entries 61
Mean −79.44
Std Dev 0

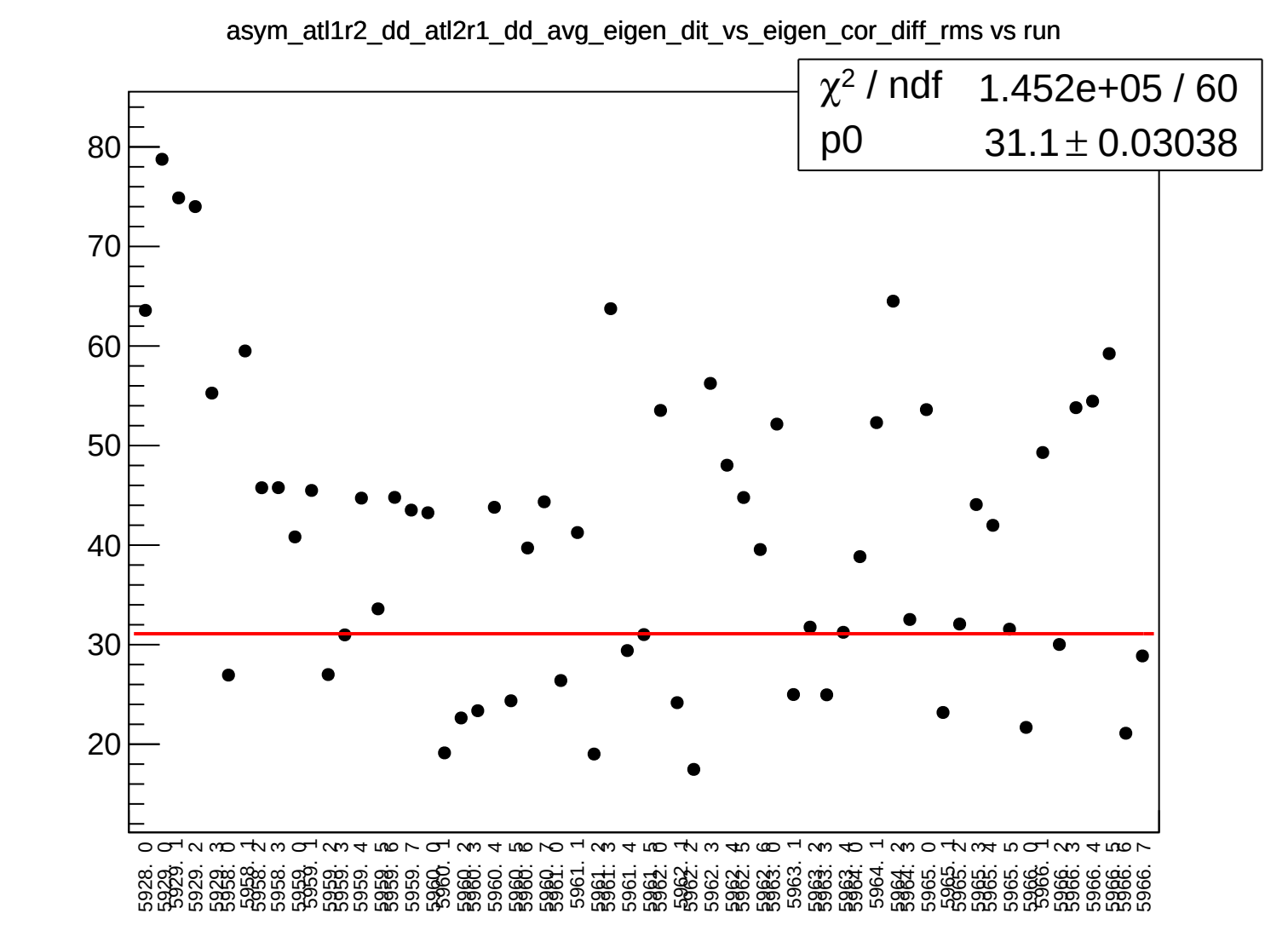

pull1D
Entries 61
Mean −0.01023
Std Dev 0.9701

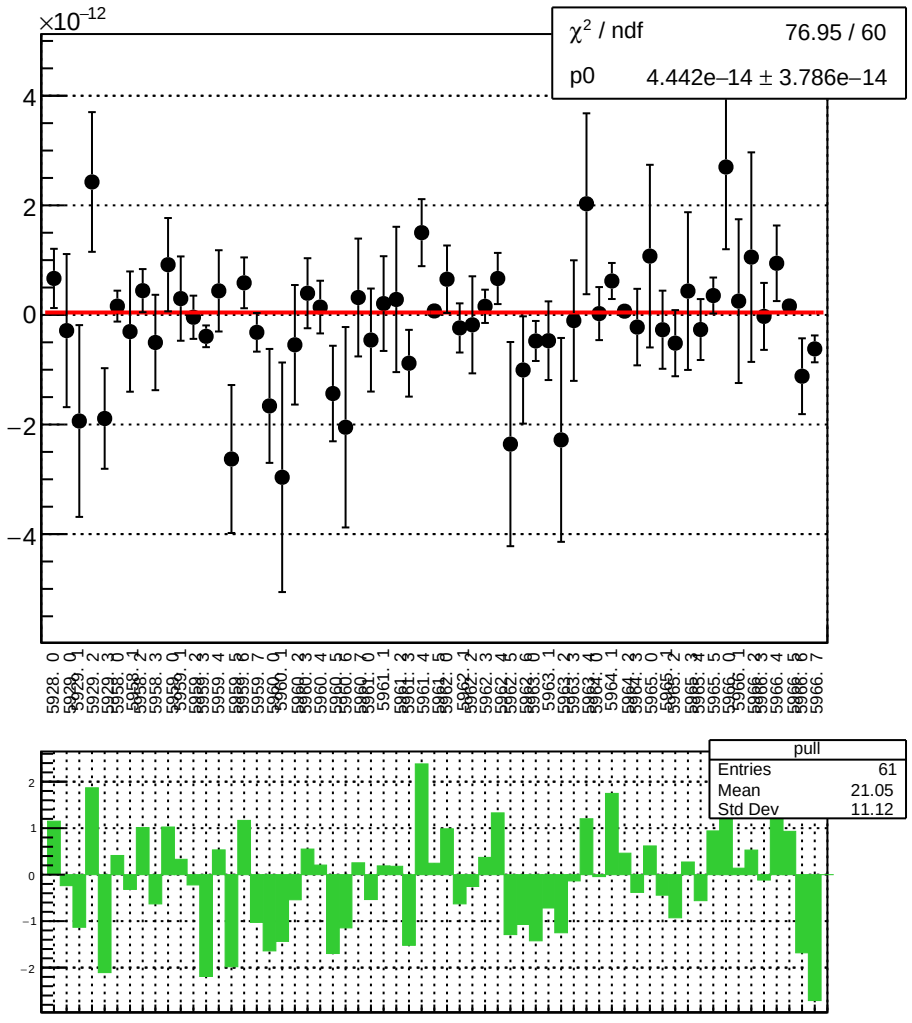

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6797 / 60
p0 0.001392 ± 1.278e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

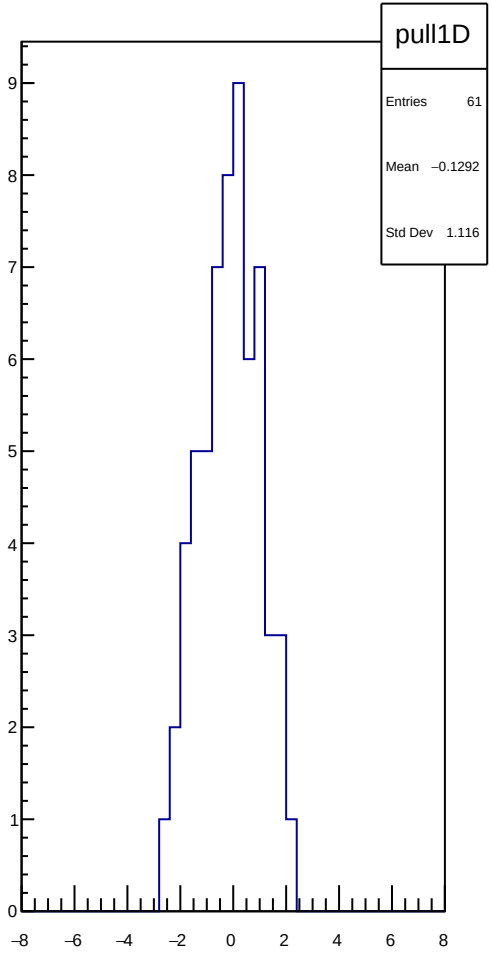

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

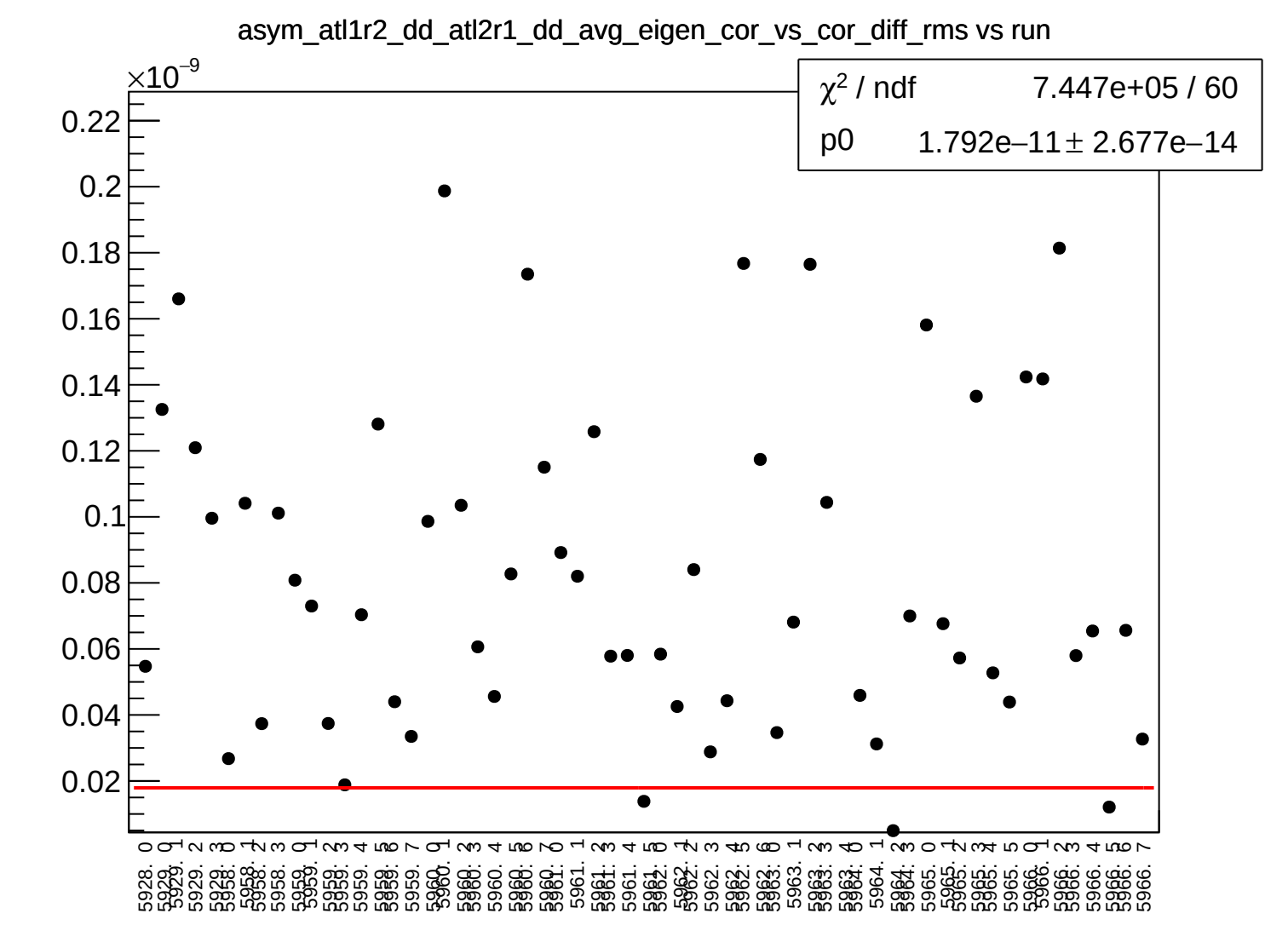

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

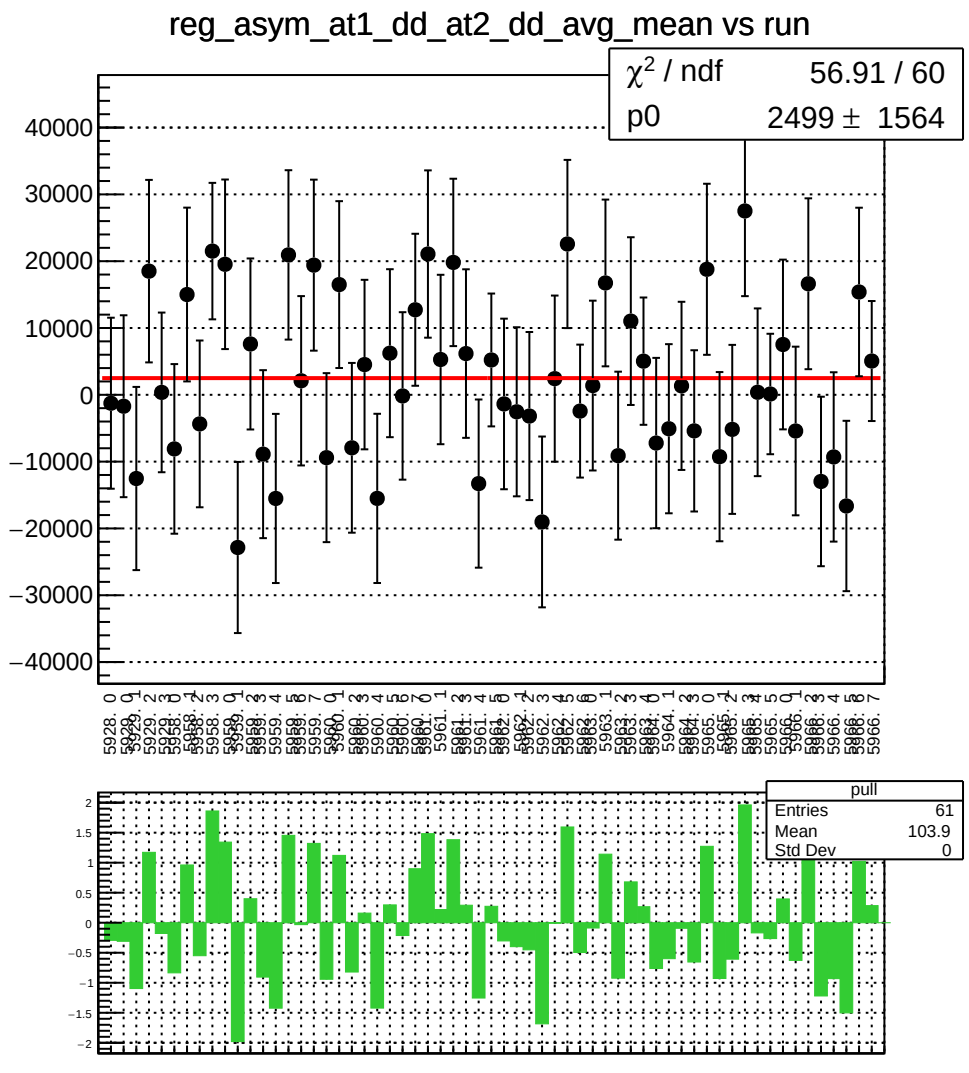

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.95 / 60
p0 −0.05942 ± 0.04297
pull
Entries 61
Mean 34.25
Std Dev 44.28
pull1D
Entries 61
Mean −0.05304
Std Dev 1.031

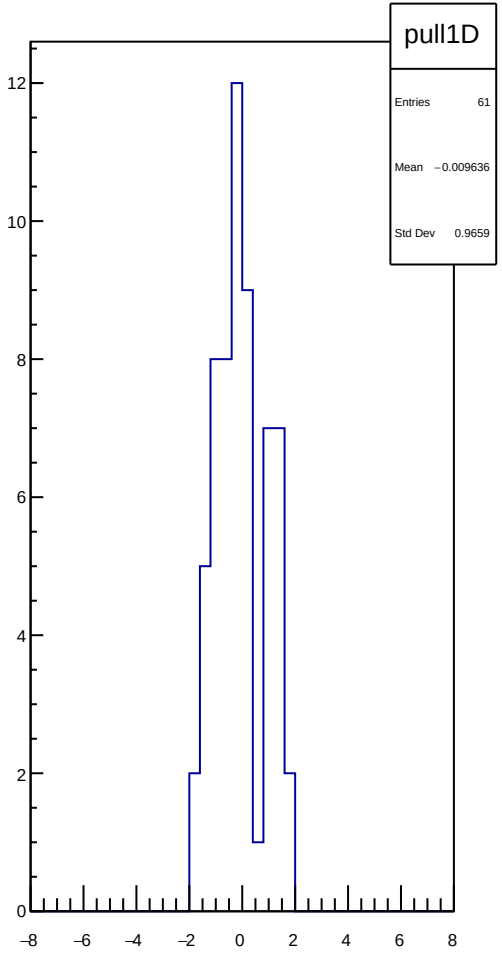

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.452e+05 / 60
p0 31.1 ± 0.03038
80
70
60
50
40
30
20

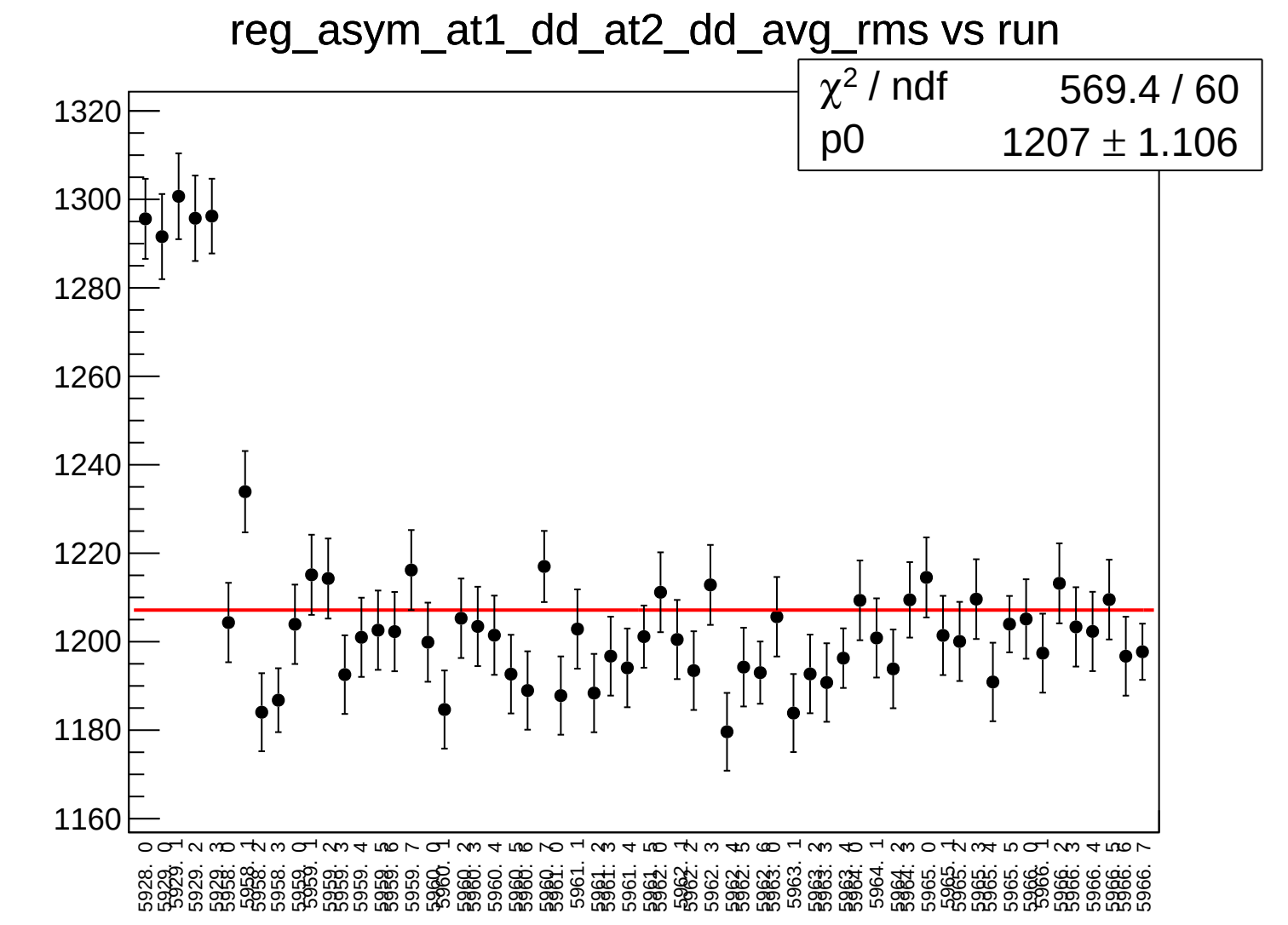

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.95 / 60
p0 4.442e−14 ± 3.786e−14
pull
Entries 61
Mean 21.05
Std Dev 11.12

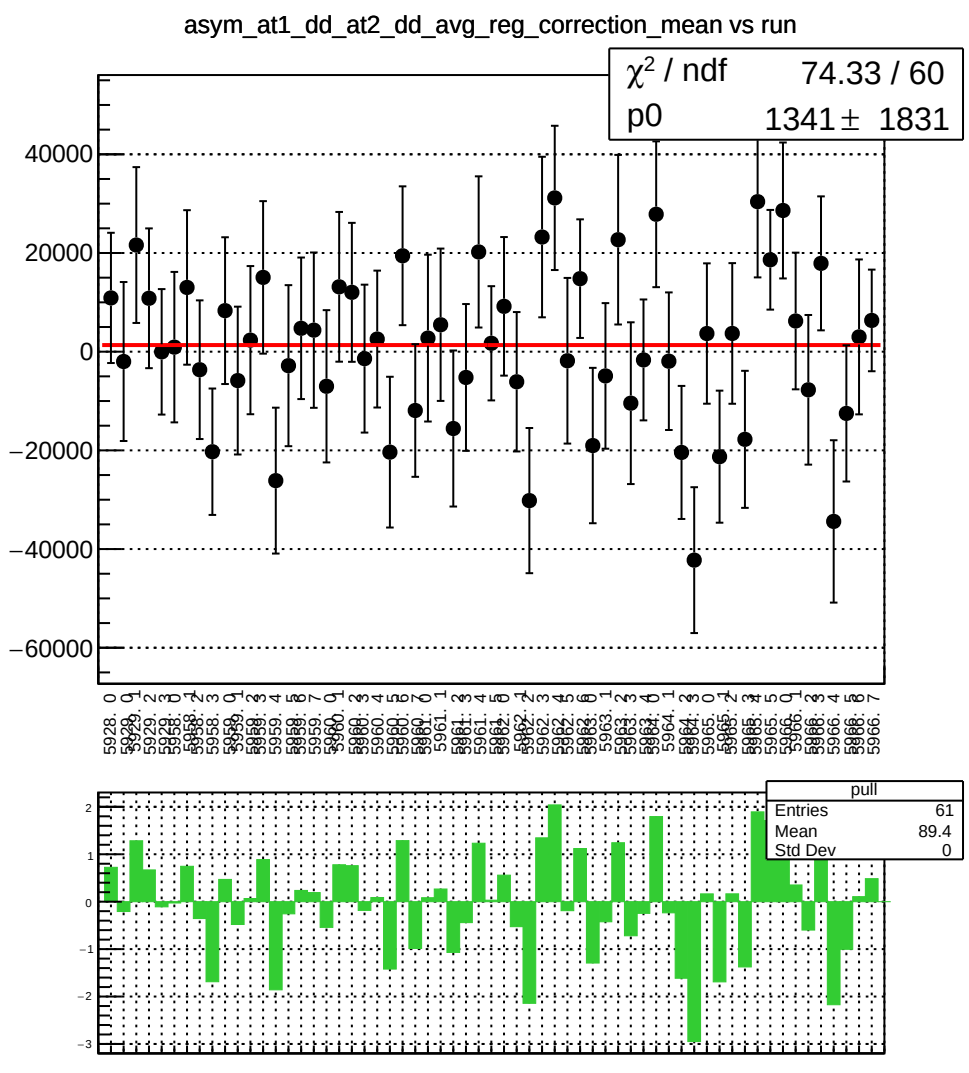

pull1D
Entries 61
Mean −0.1292
Std Dev 1.116

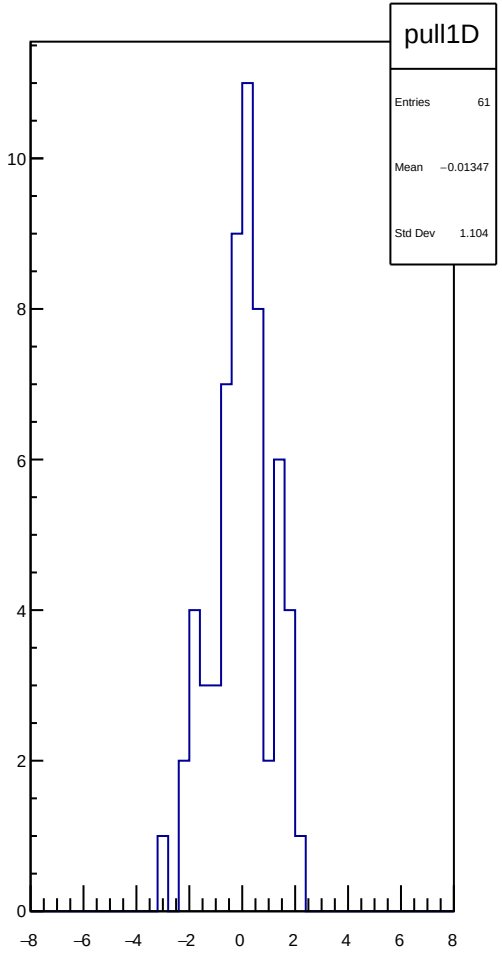

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.447e+05 / 60
p0 1.792e−11 ± 2.677e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5928. 0
5929. 1
5929. 2
5929. 3
5958. 0
5958. 1
5958. 2
5958. 3
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5959. 7
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5960. 7
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5961. 6
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5963. 6
5964. 1
5964. 2
5964. 3
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

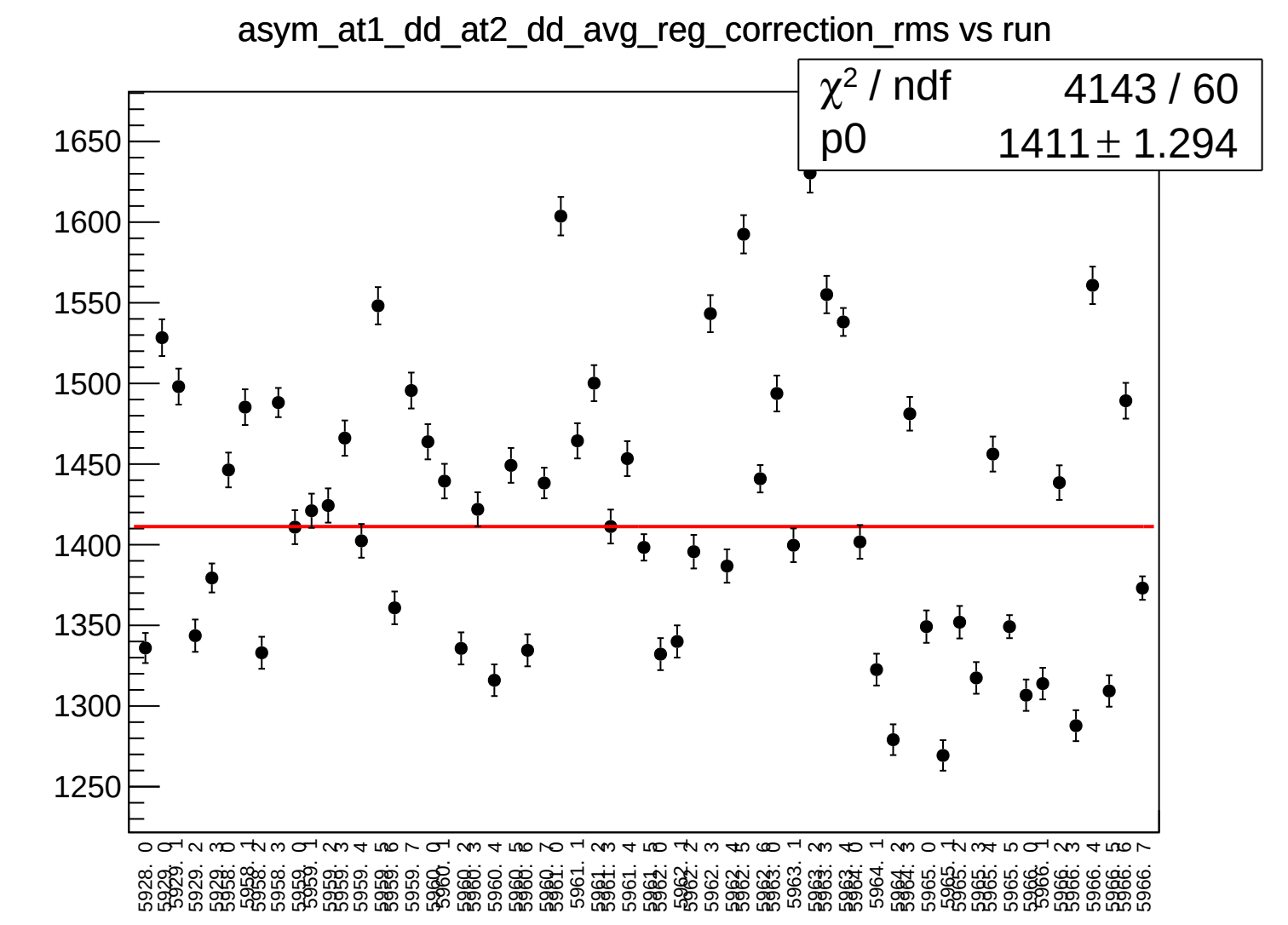

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

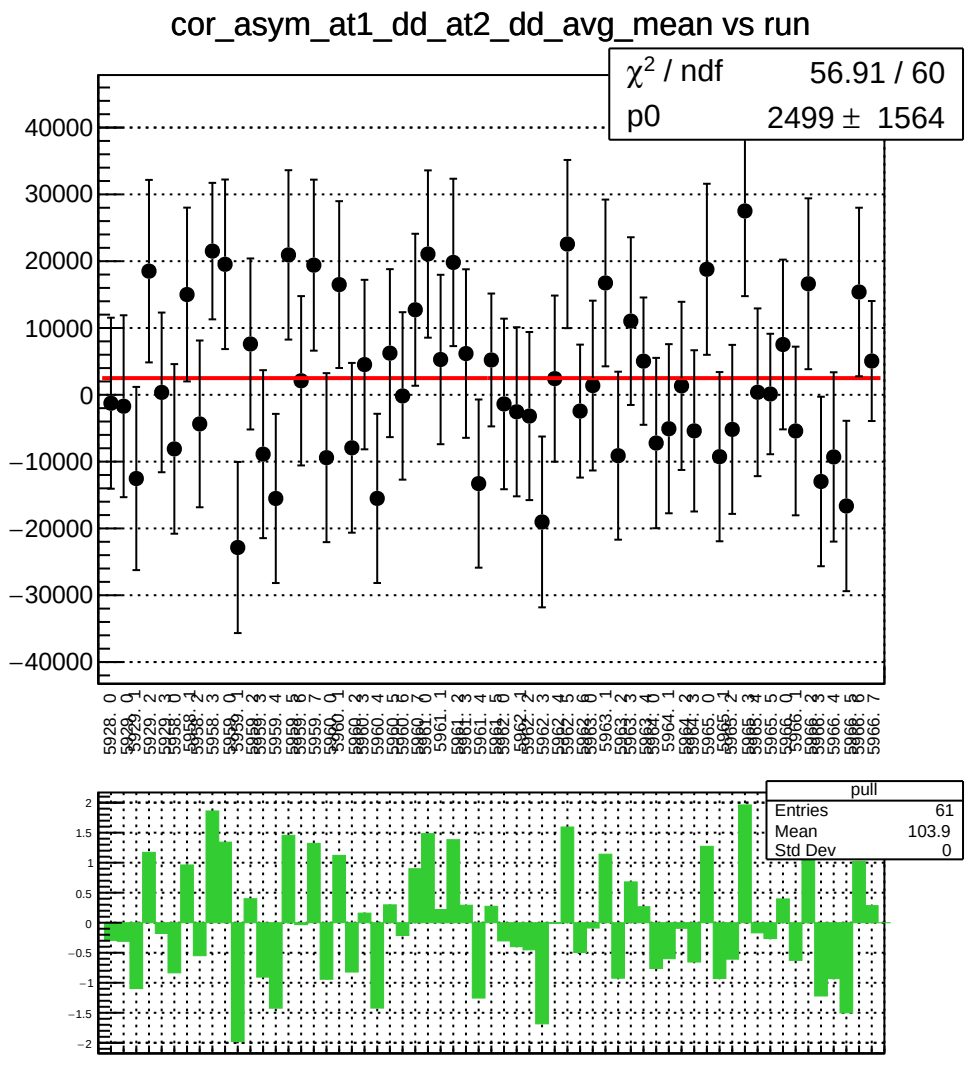

pull1D
Entries 61
Mean −0.009636
Std Dev 0.9659

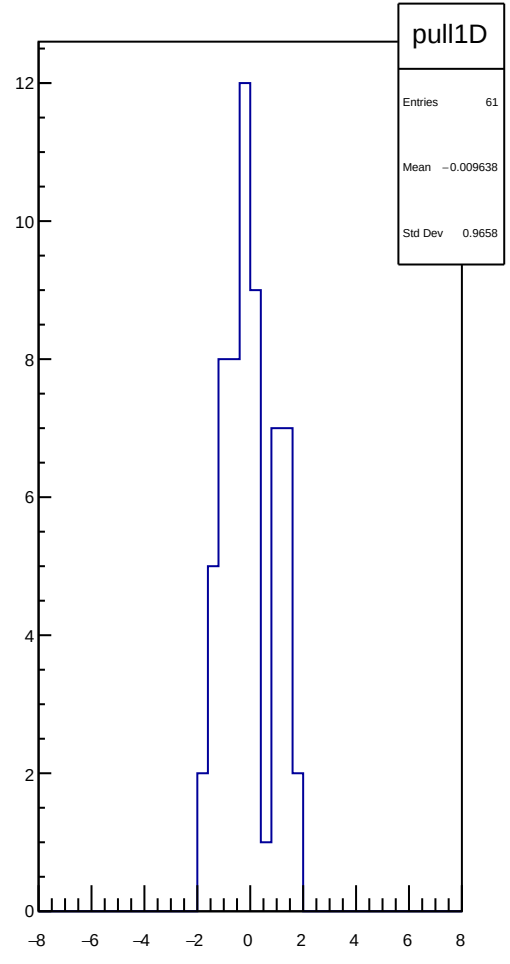

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

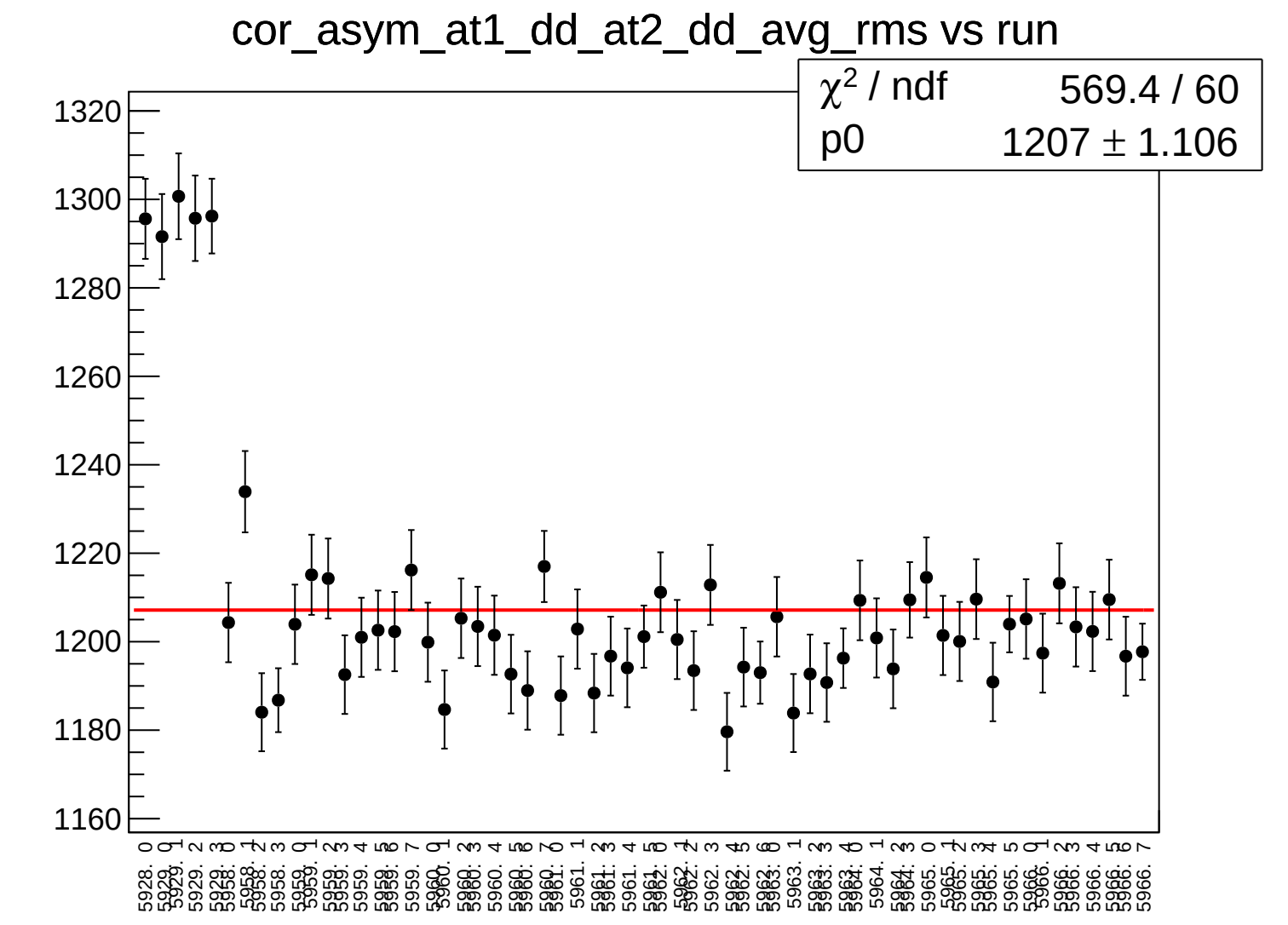

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
pull
Entries 61
Mean 89.4
Std Dev 0

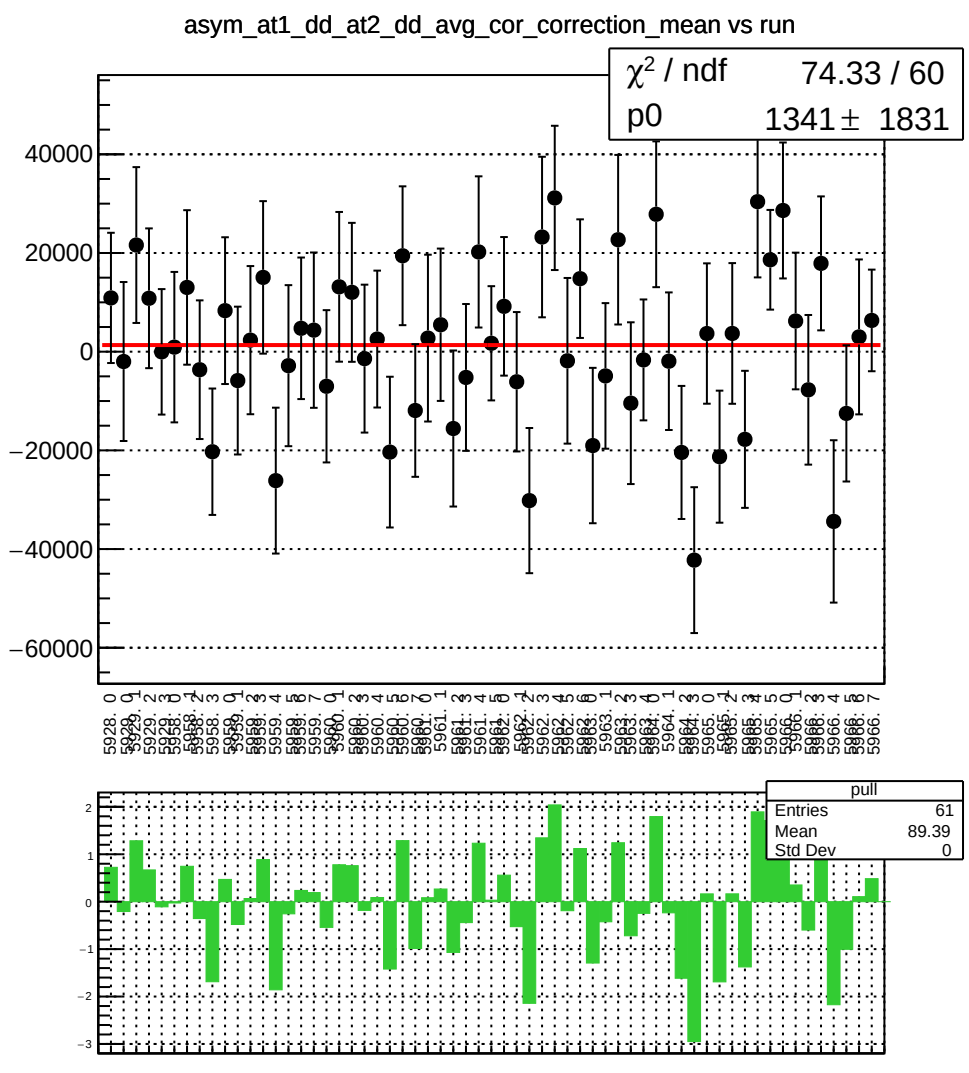

pull1D
Entries 61
Mean −0.01347
Std Dev 1.104

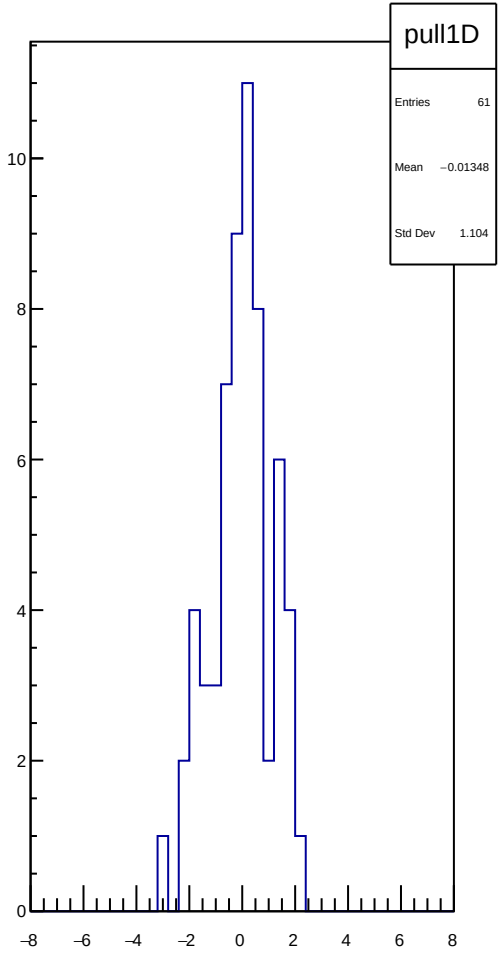

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 4143 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

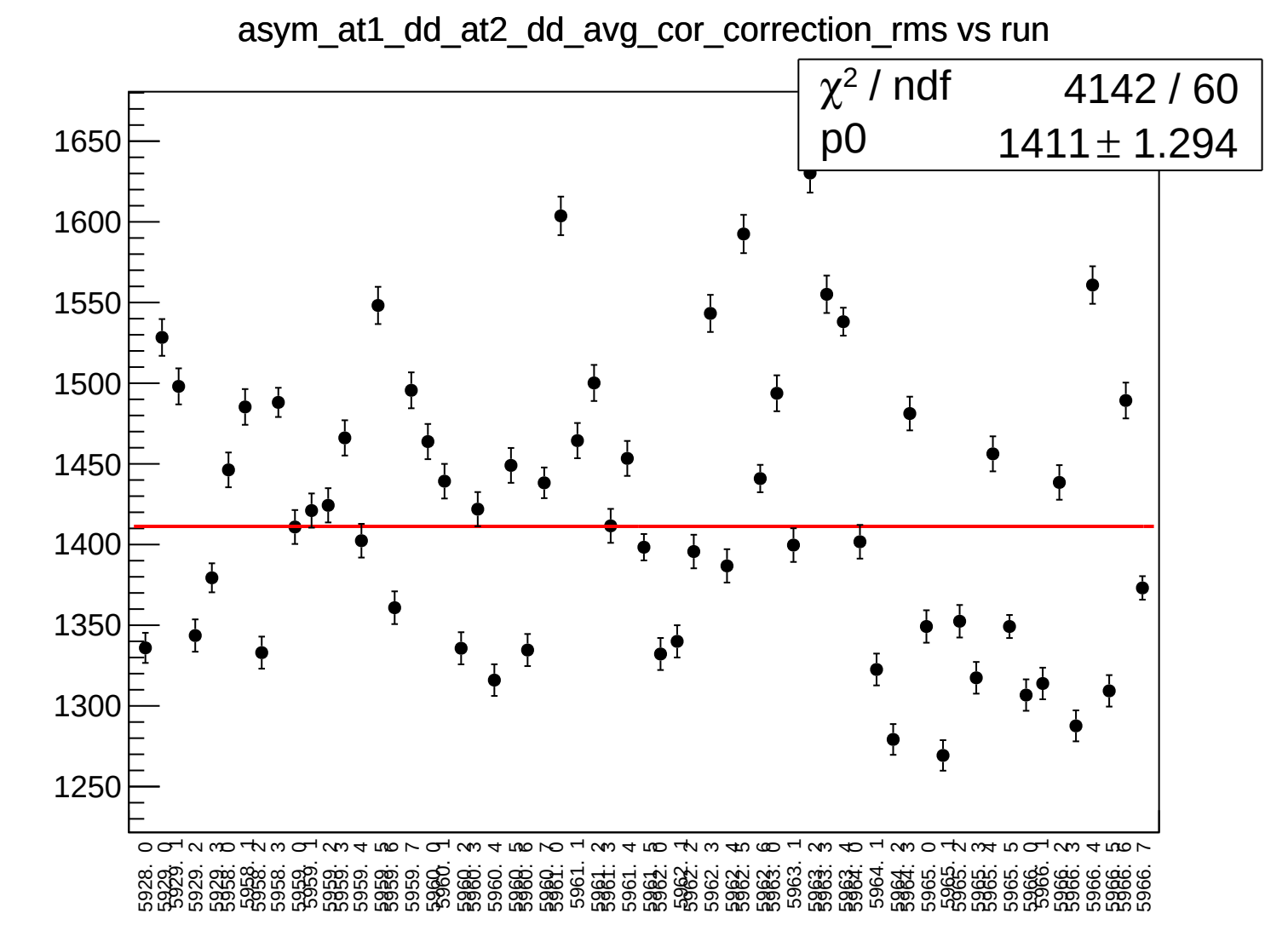

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

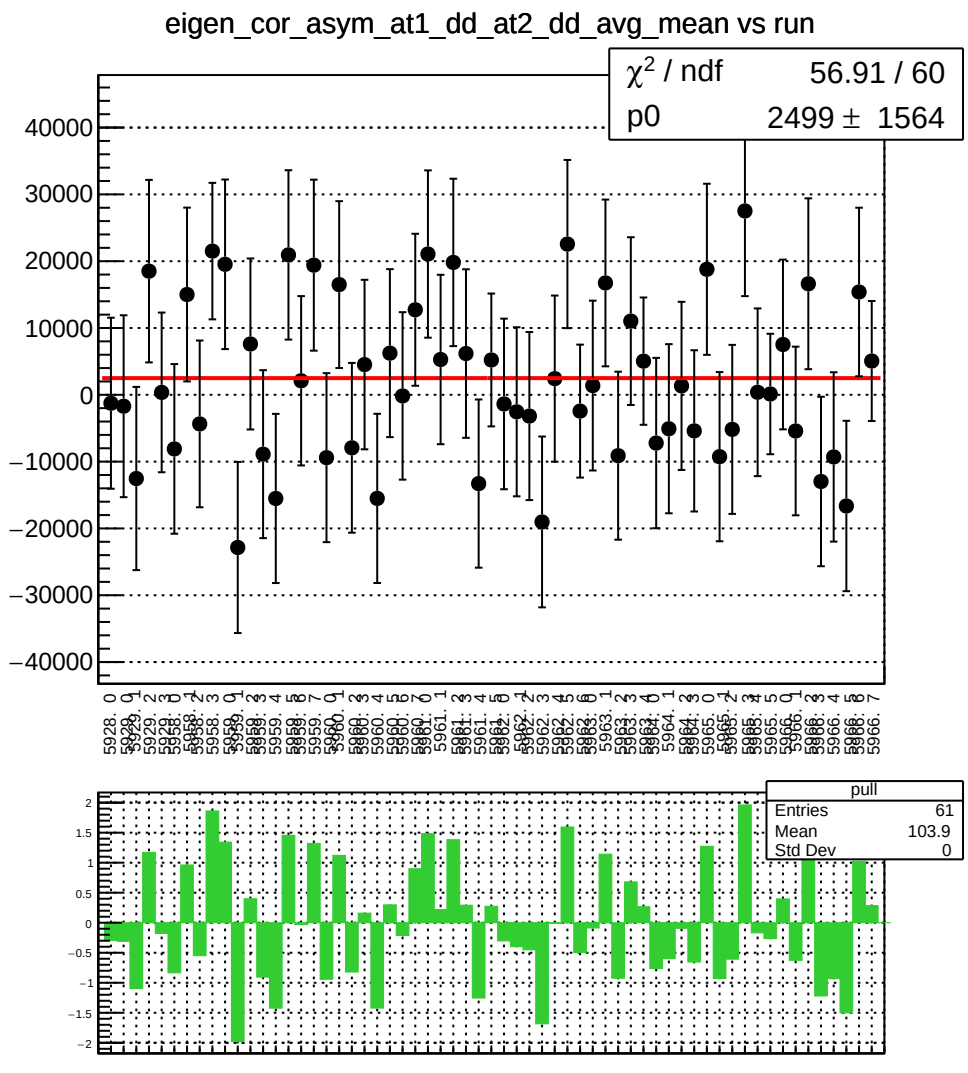

pull1D
Entries 61
Mean −0.009638
Std Dev 0.9658

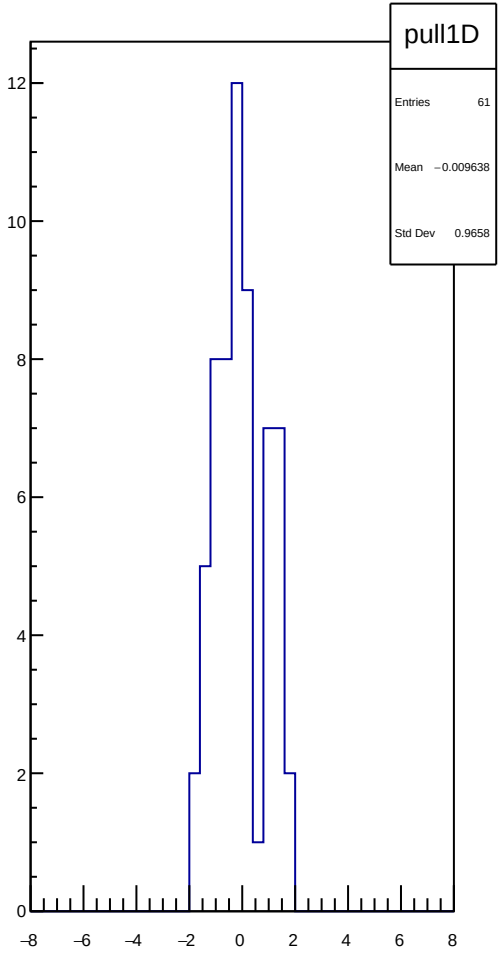

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

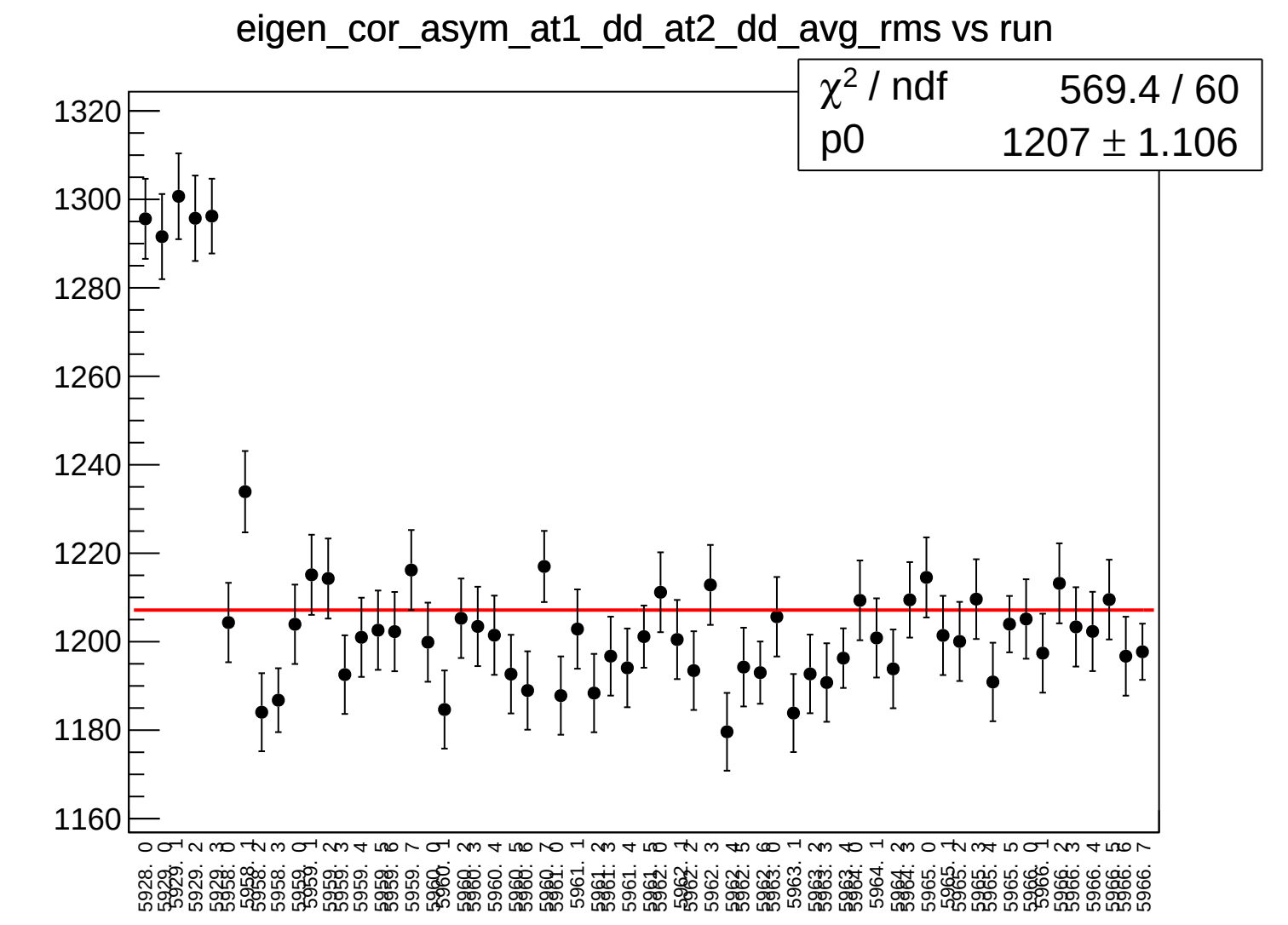

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
pull
Entries 61
Mean 89.39
Std Dev 0

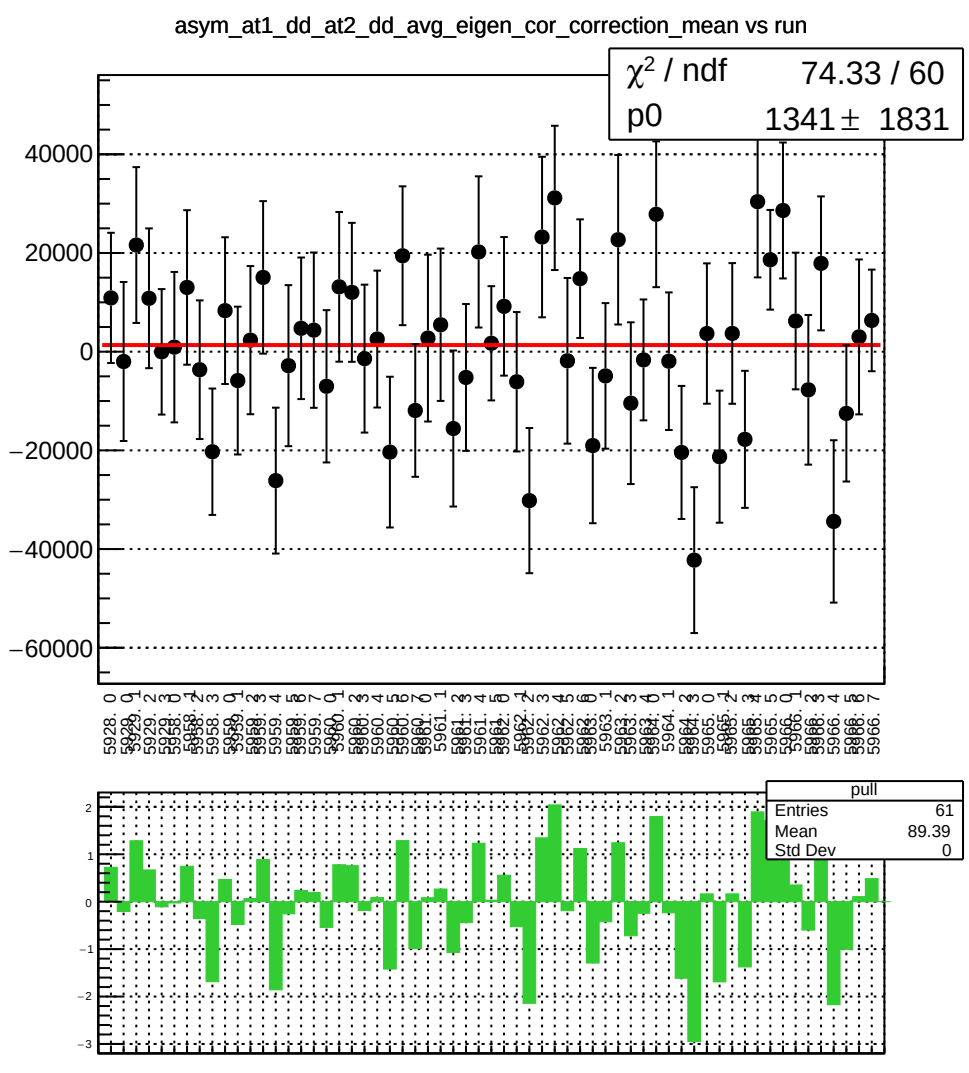

pull1D
Entries 61
Mean −0.01348
Std Dev 1.104

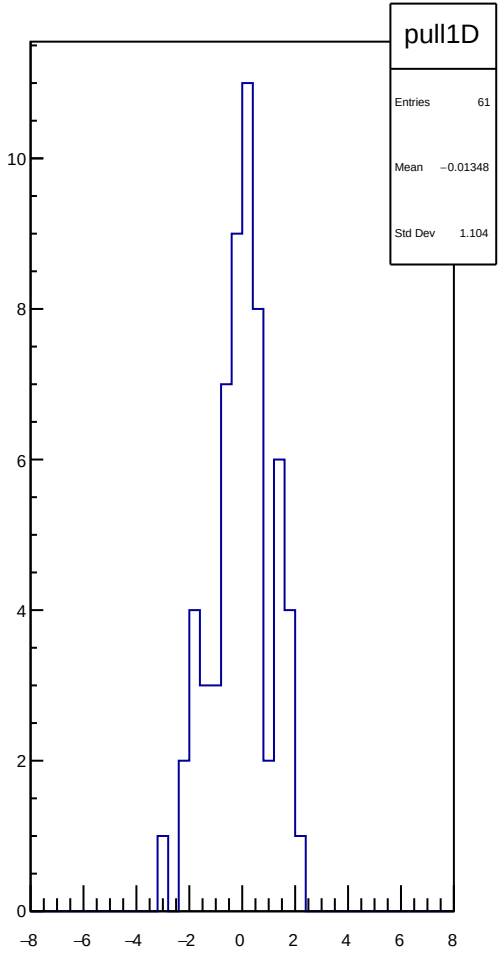

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 4142 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

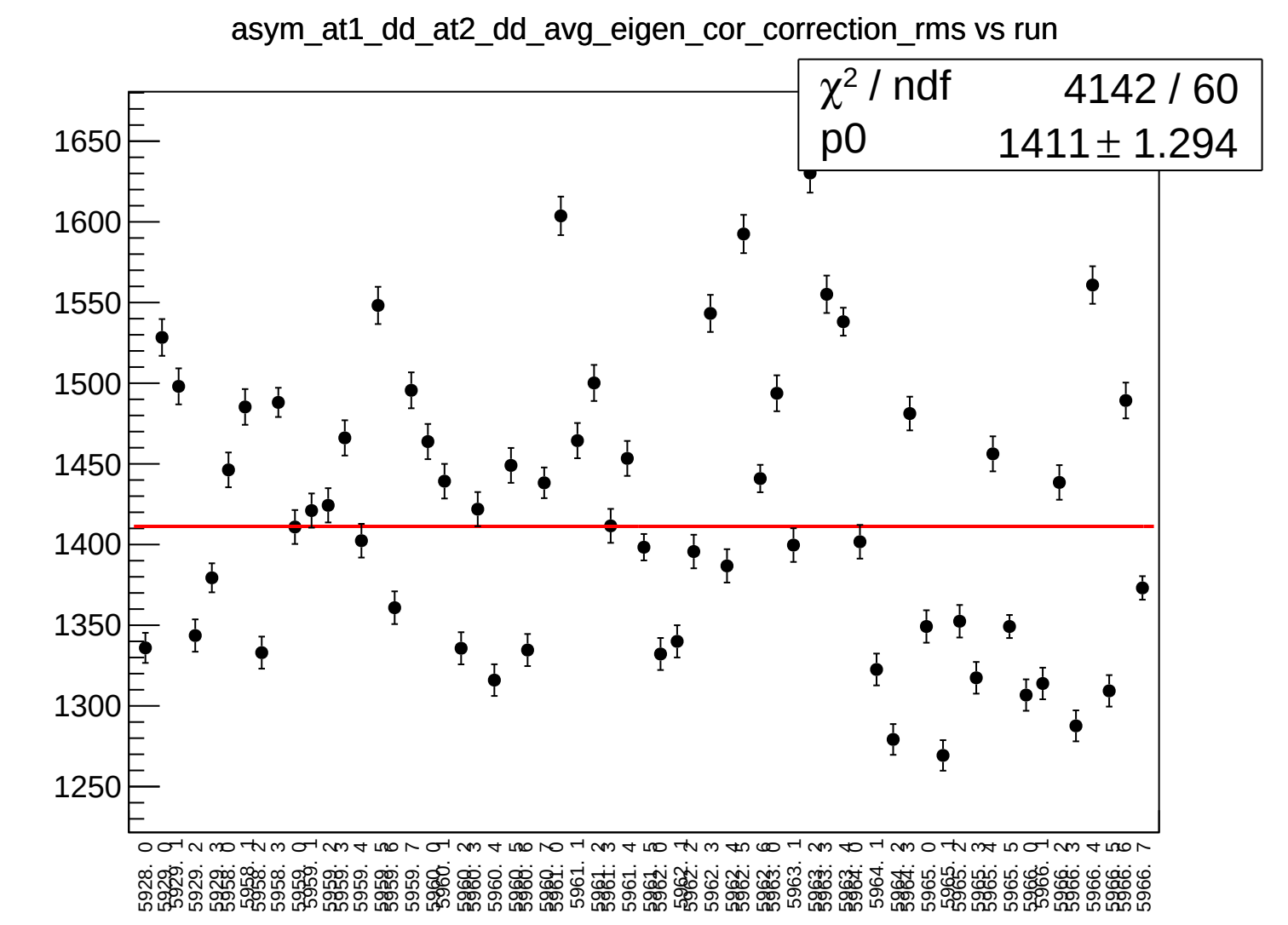

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.91 / 60
p0 2499 ± 1564
pull
Entries 61
Mean 103.9
Std Dev 0

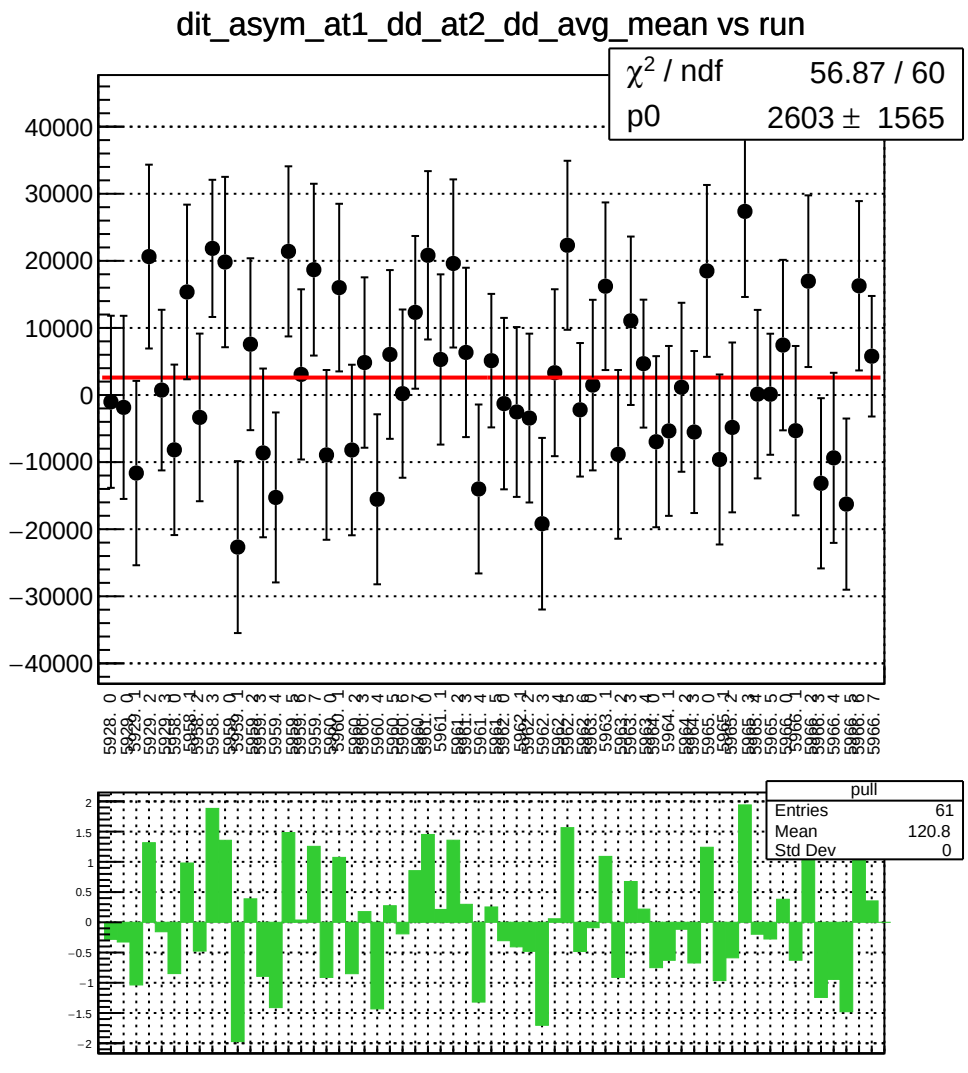

pull1D
Entries 61
Mean −0.009638
Std Dev 0.9658

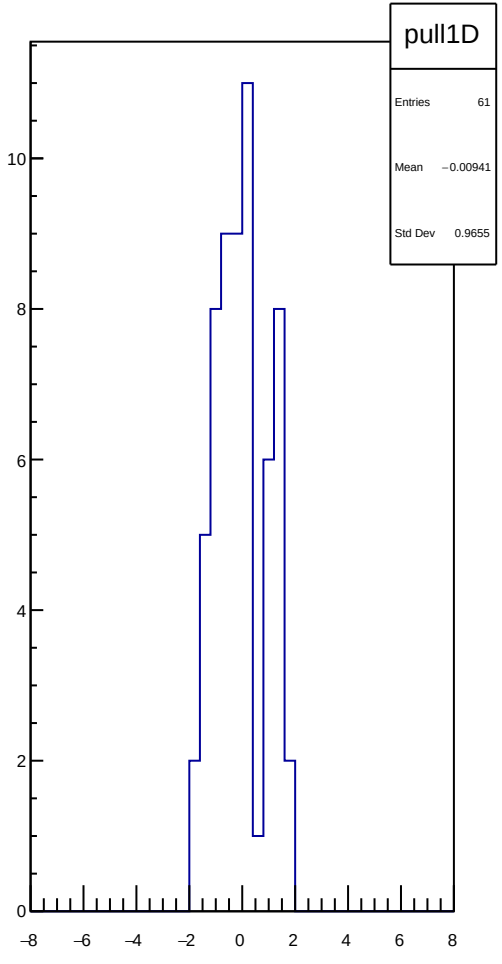

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 569.4 / 60
p0 1207 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

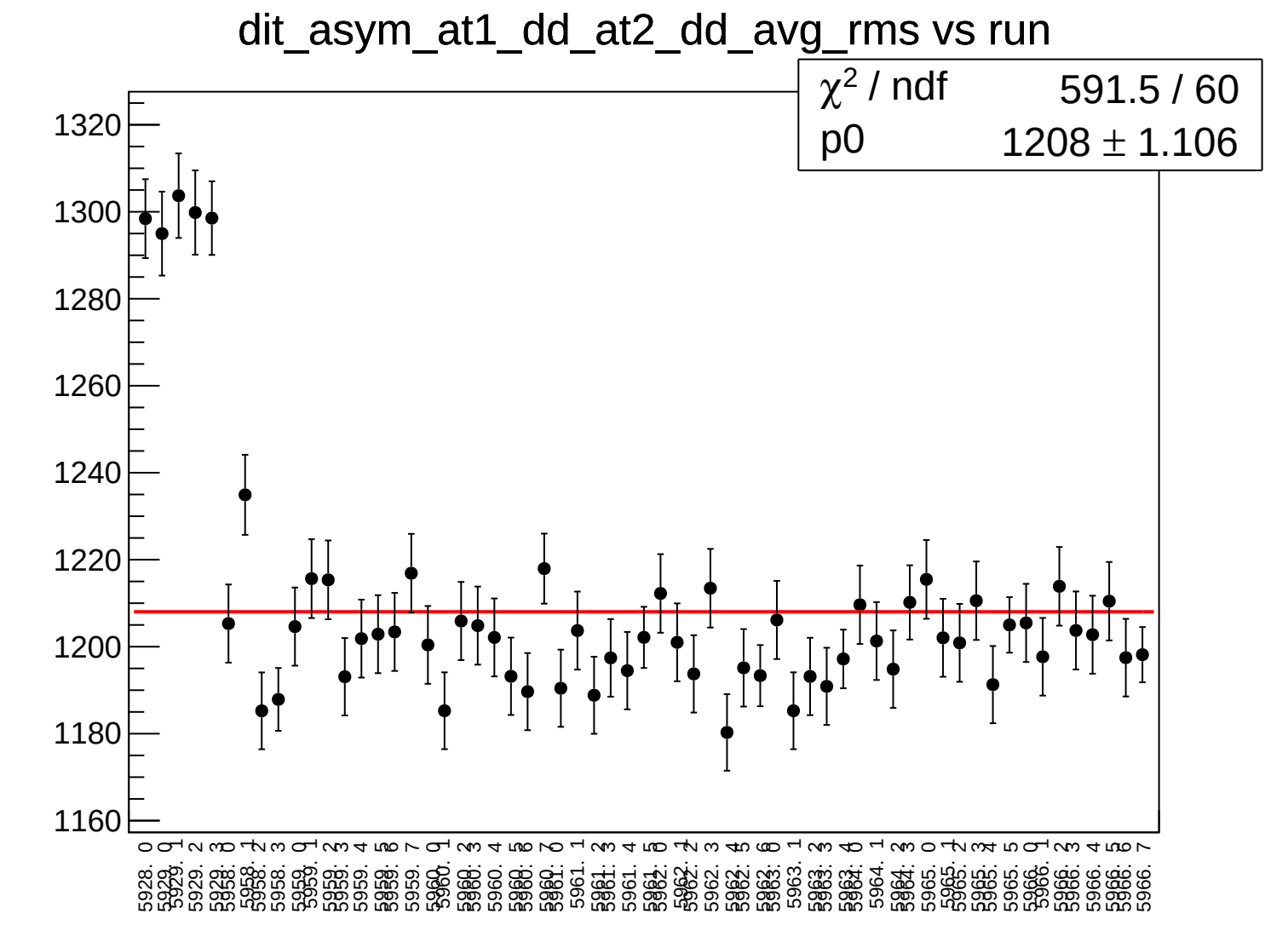

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.33 / 60
p0 1341 ± 1831
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 89.39
Std Dev 0
2
1
0
−1
−2
−3

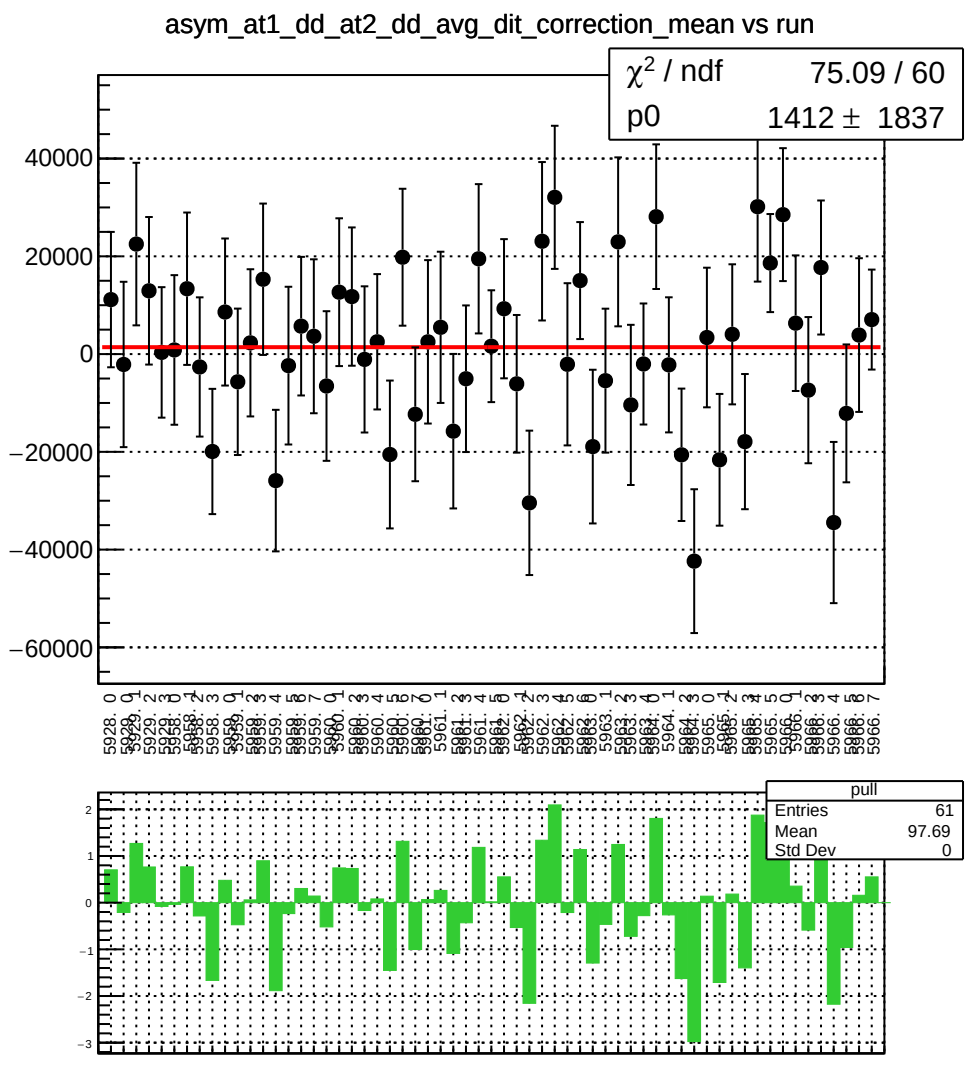

pull1D
Entries 61
Mean −0.01348
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

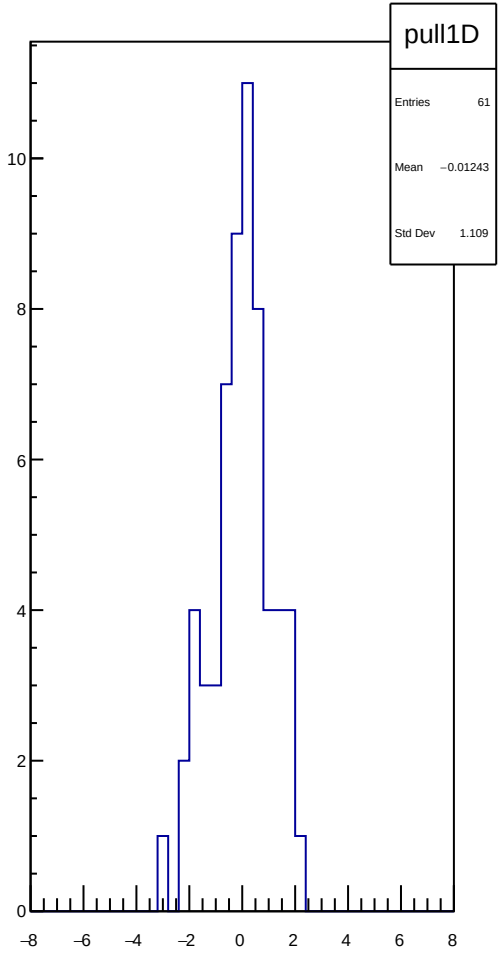

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4142 / 60
p0 1411 ± 1.294
1650
1600
1550
1500
1450
1400
1350
1300
1250

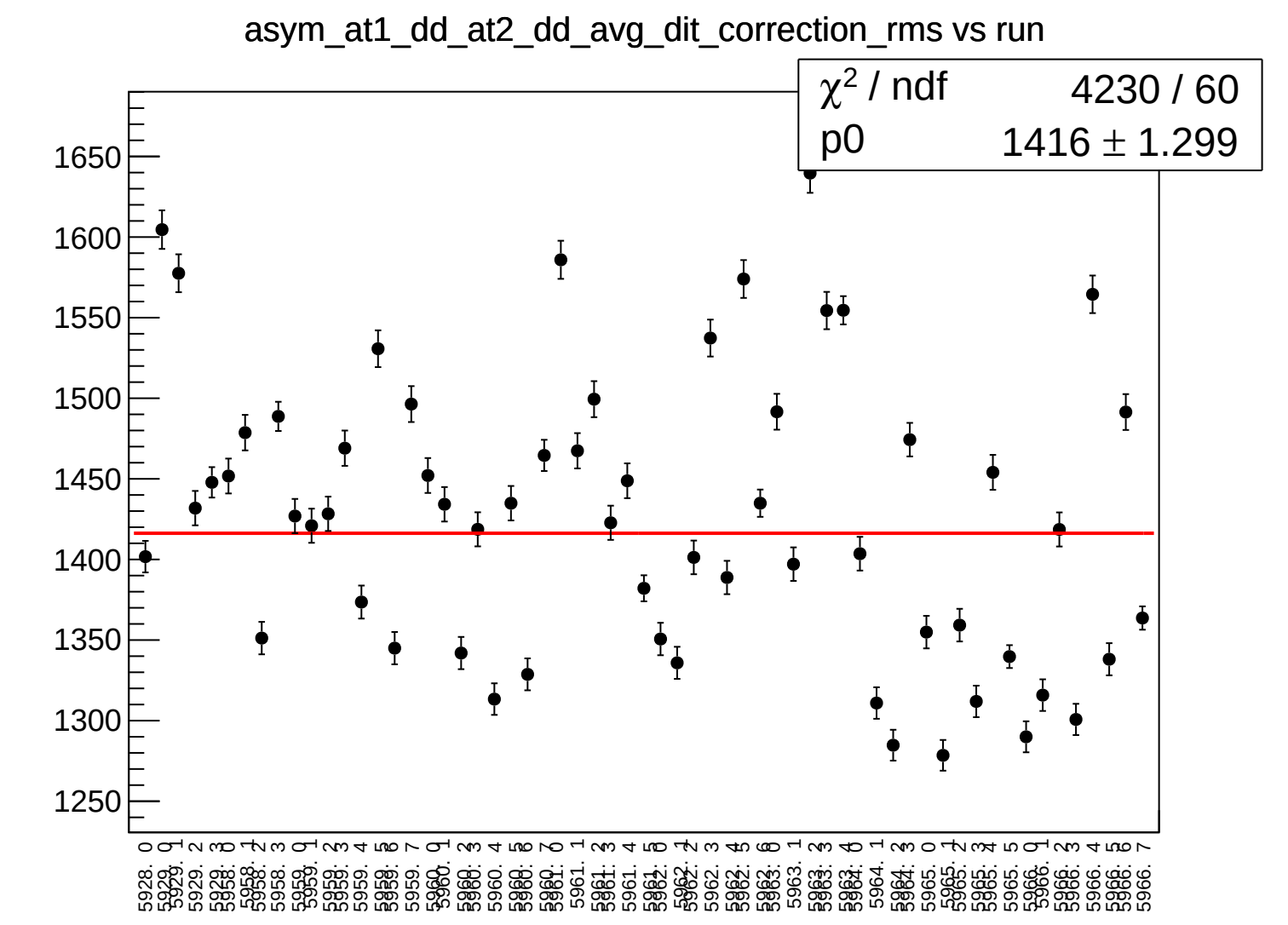

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.87 / 60
p0 2603 ± 1565
pull
Entries 61
Mean 120.8
Std Dev 0

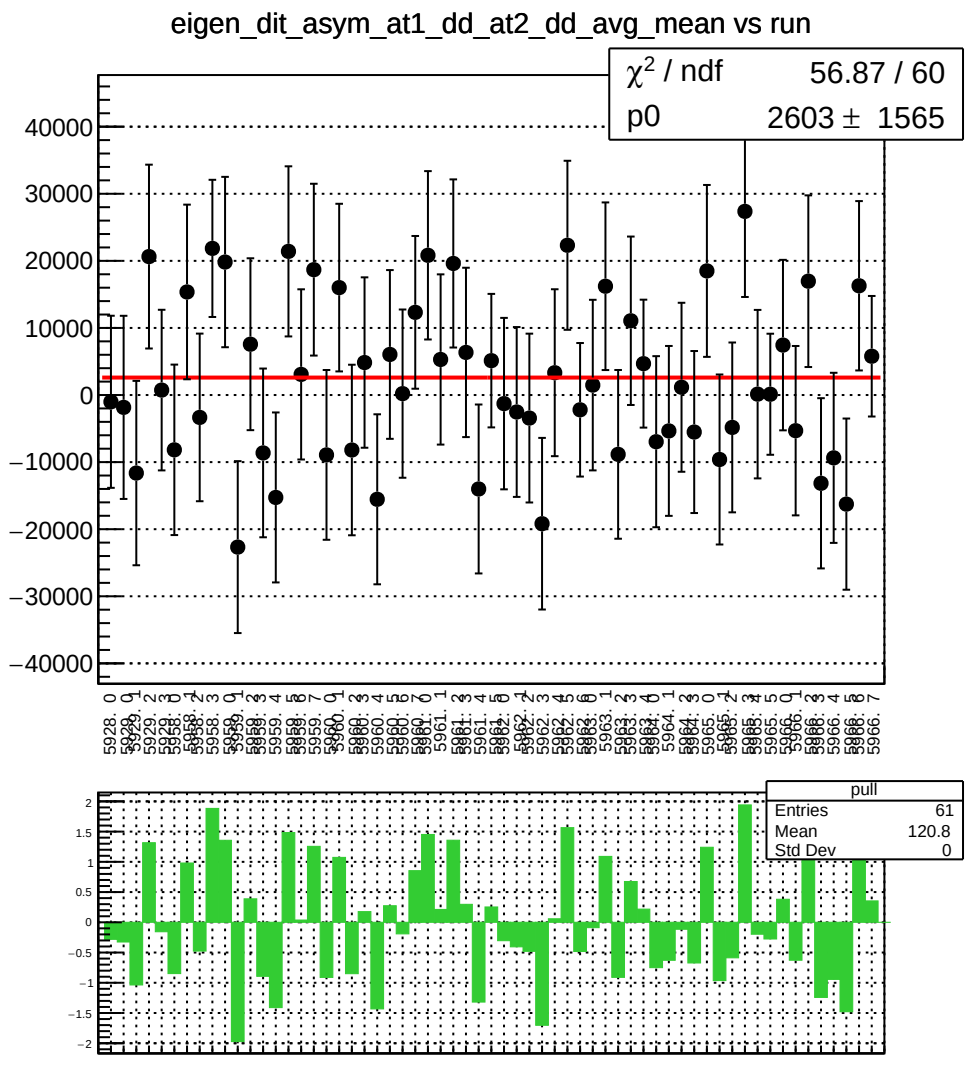

pull1D
Entries 61
Mean −0.00941
Std Dev 0.9655

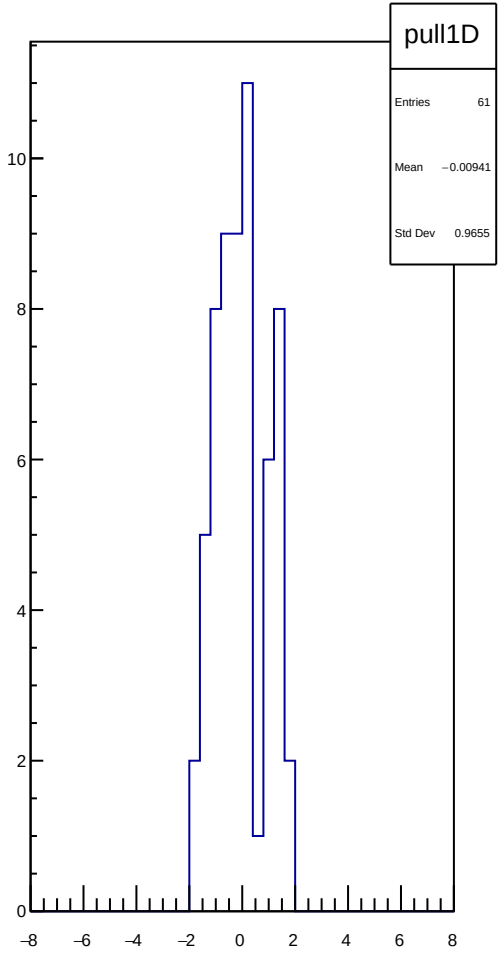

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 591.5 / 60
p0 1208 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

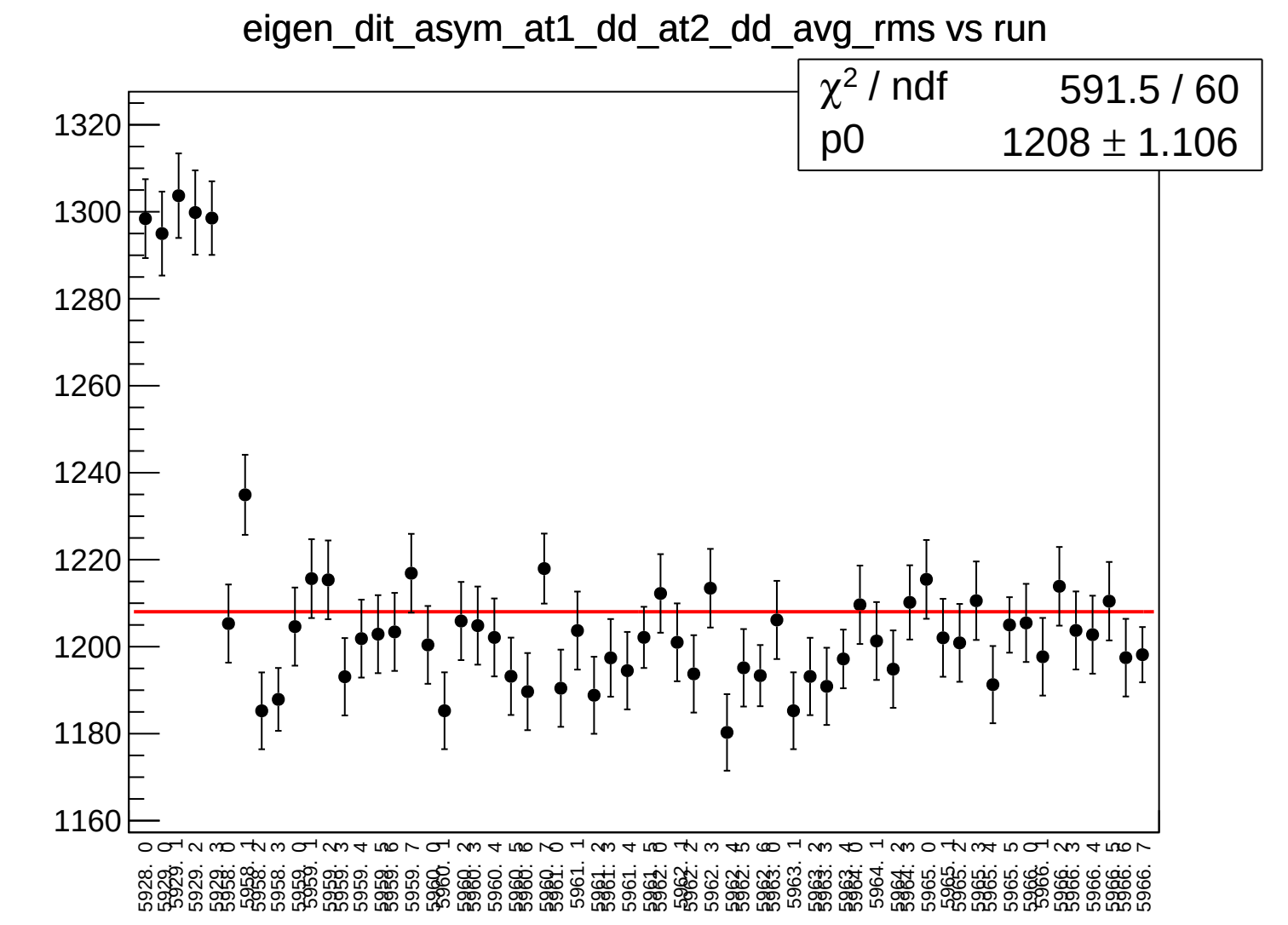

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 75.09 / 60
p0 1412 ± 1837
pull
Entries 61
Mean 97.69
Std Dev 0

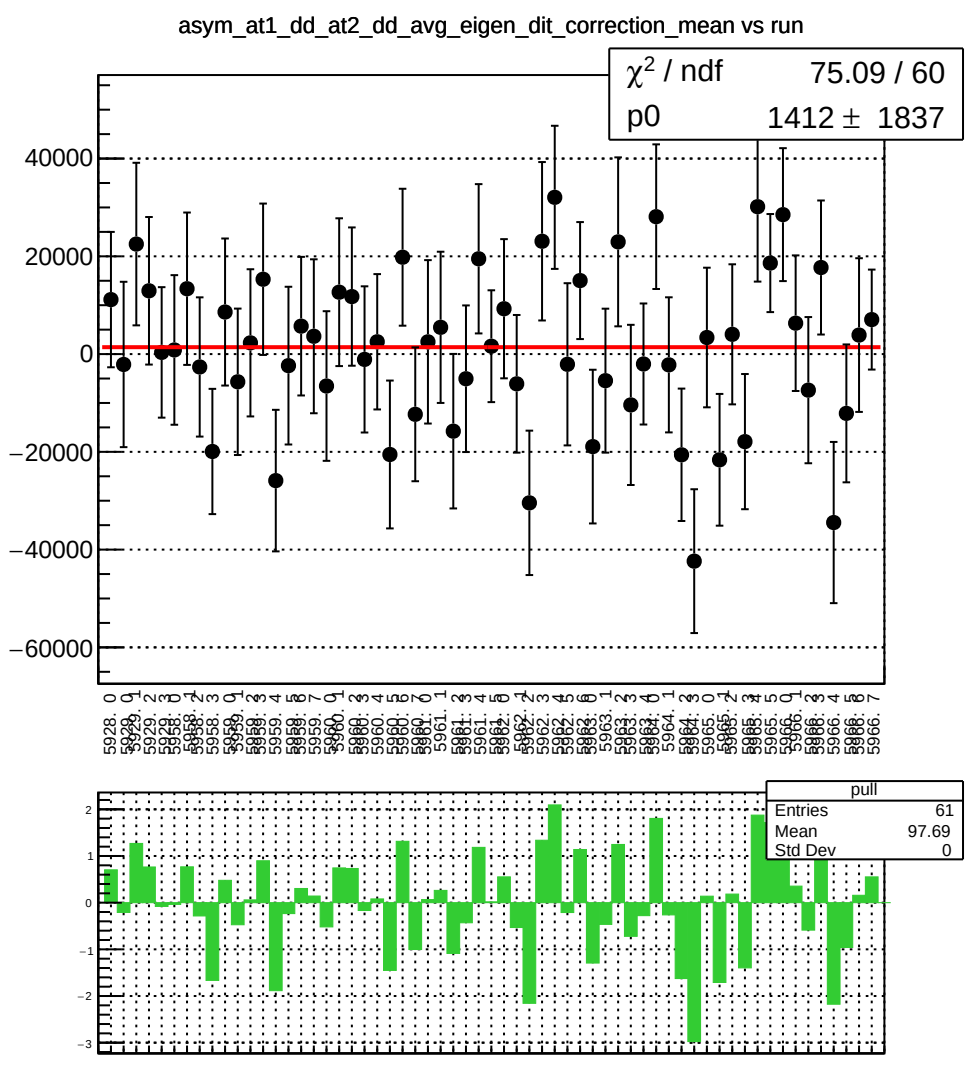

pull1D
Entries 61
Mean −0.01243
Std Dev 1.109

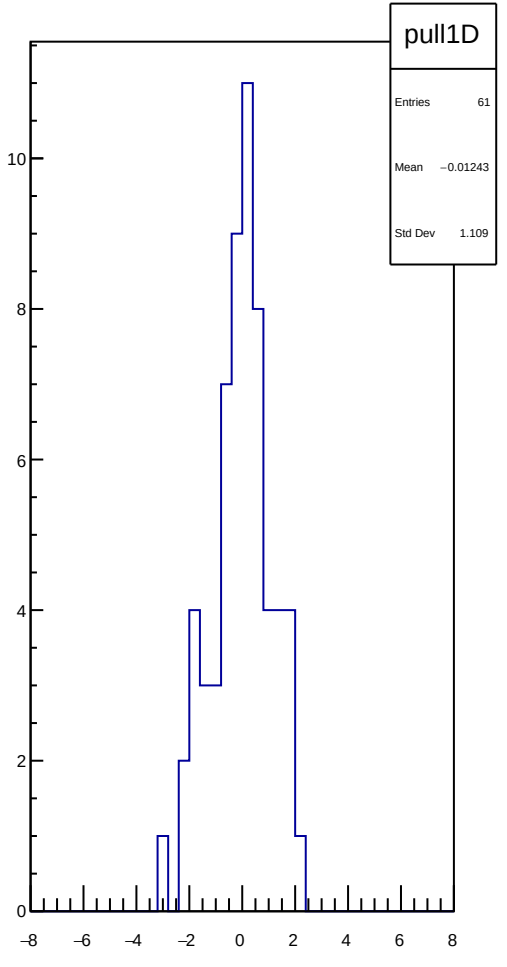

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 4230 / 60
p0 1416 ± 1.299
1650
1600
1550
1500
1450
1400
1350
1300
1250

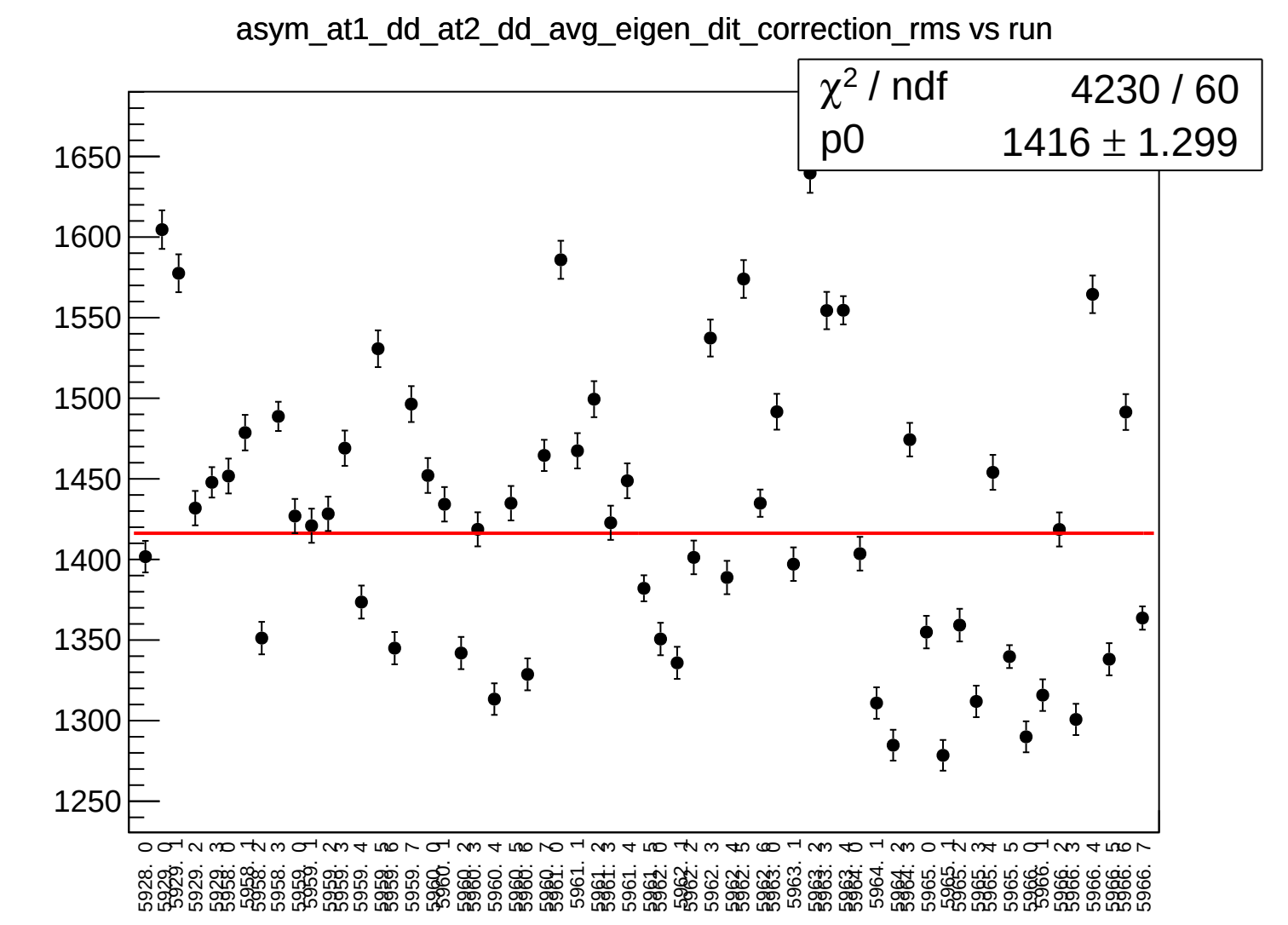

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 56.87 / 60
p0 2603 ± 1565
pull
Entries 61
Mean 120.8
Std Dev 0

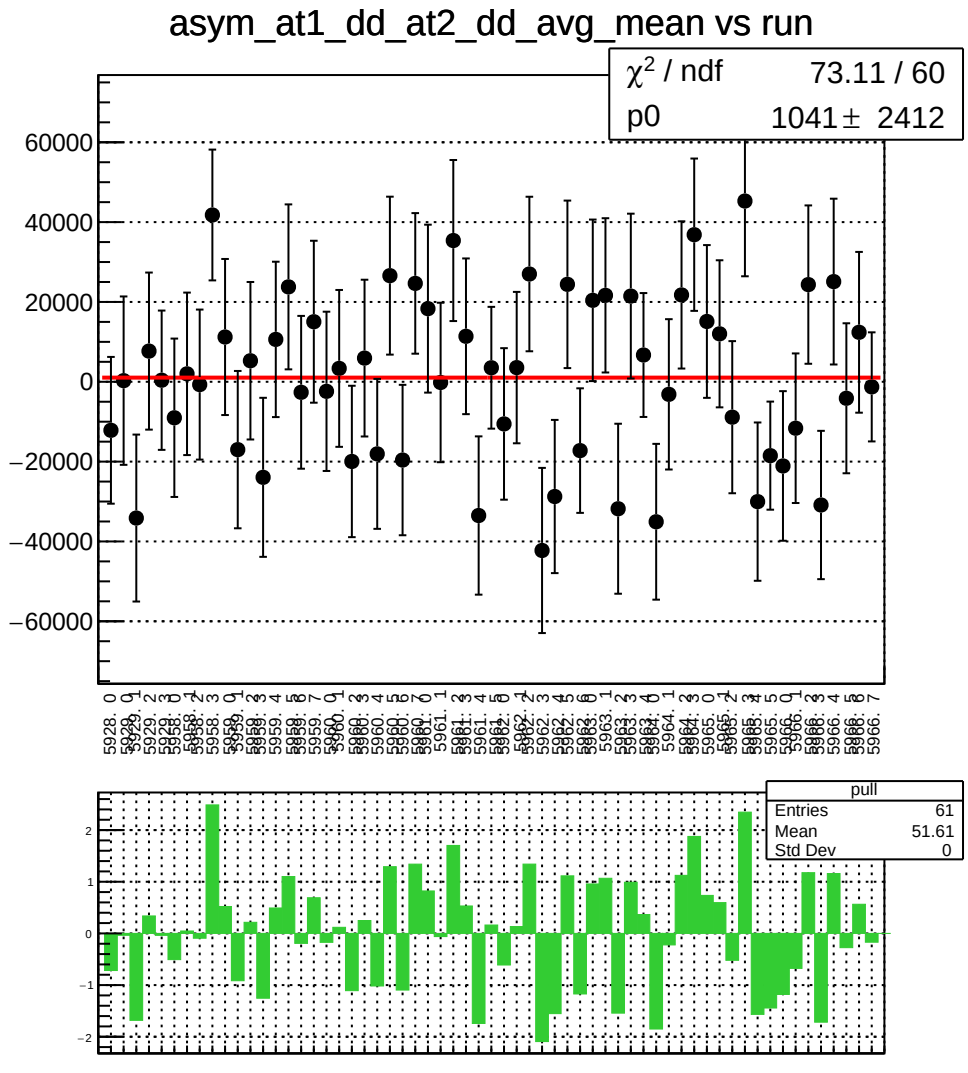

pull1D
Entries 61
Mean −0.00941
Std Dev 0.9655

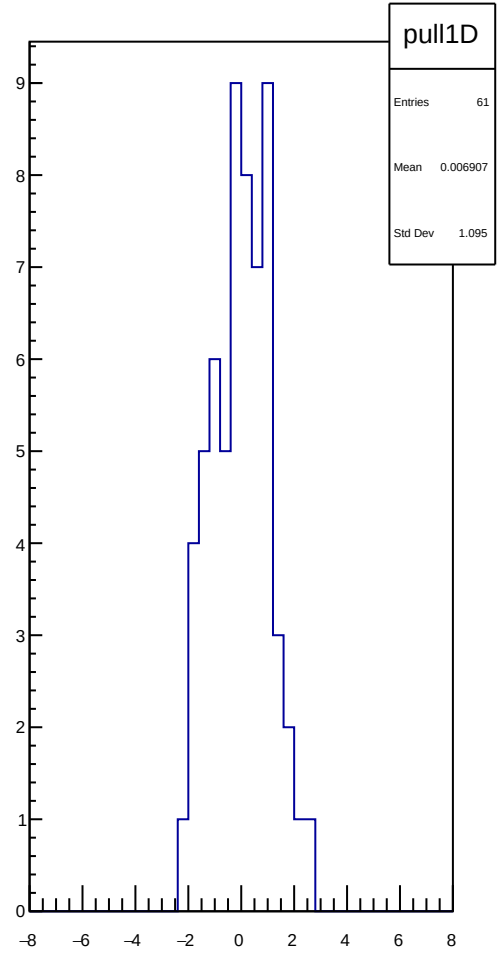

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 591.5 / 60
p0 1208 ± 1.106
1320
1300
1280
1260
1240
1220
1200
1180
1160

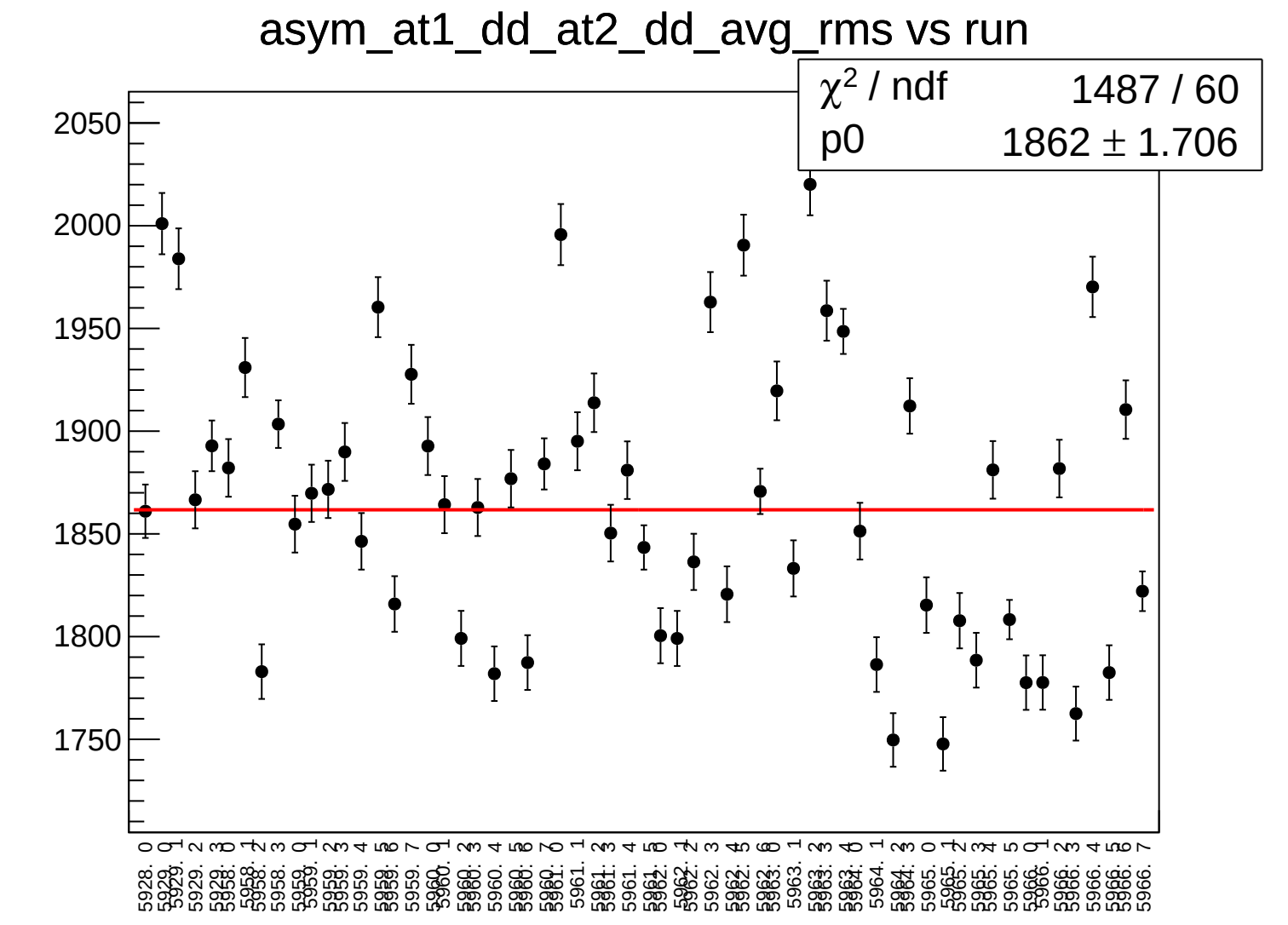

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.09 / 60
p0 1412 ± 1837
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 97.69
Std Dev 0
2
1
0
−1
−2
−3

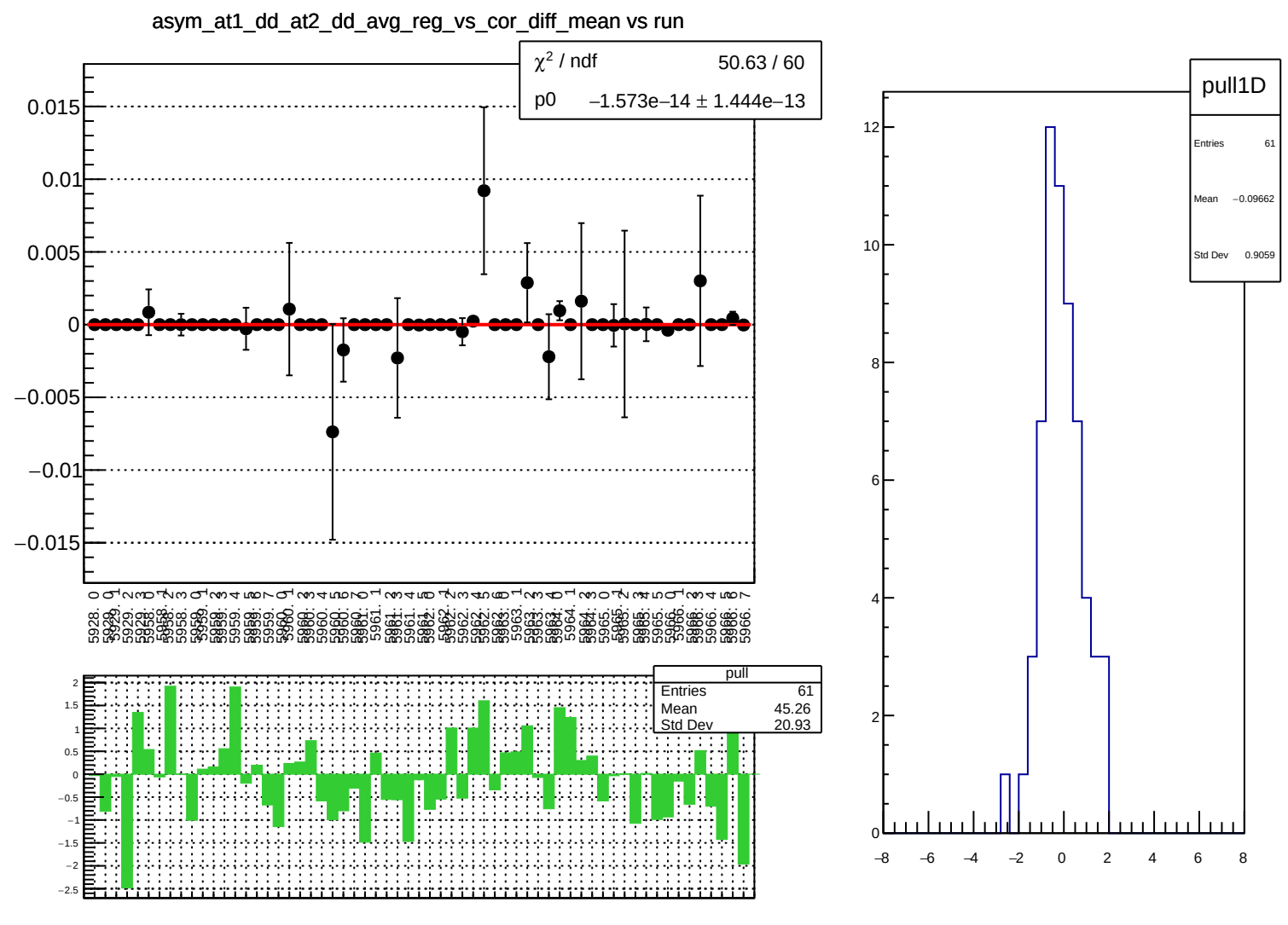

pull1D
Entries 61
Mean −0.01243
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

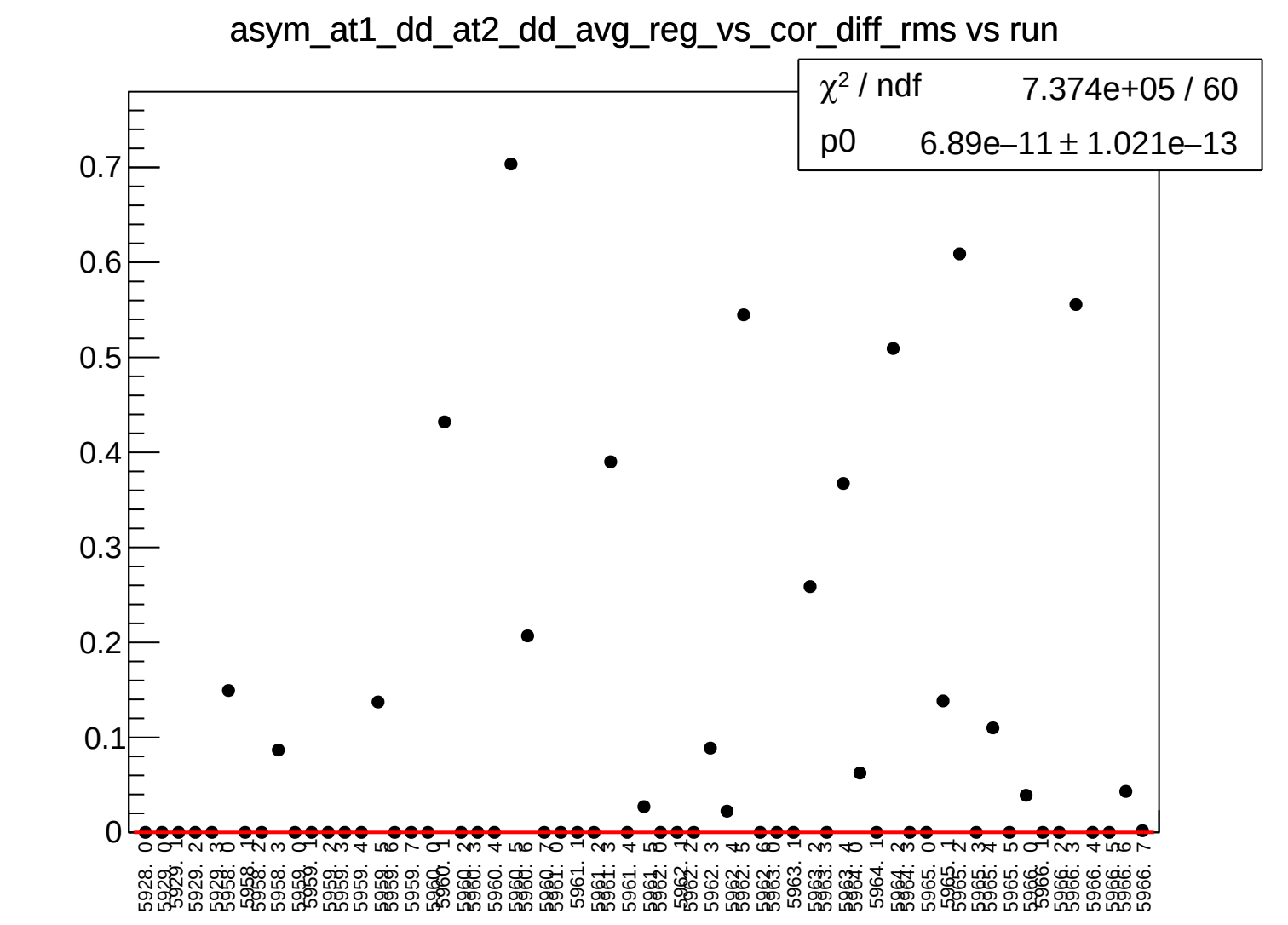

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4230 / 60
p0 1416 ± 1.299
1650
1600
1550
1500
1450
1400
1350
1300
1250

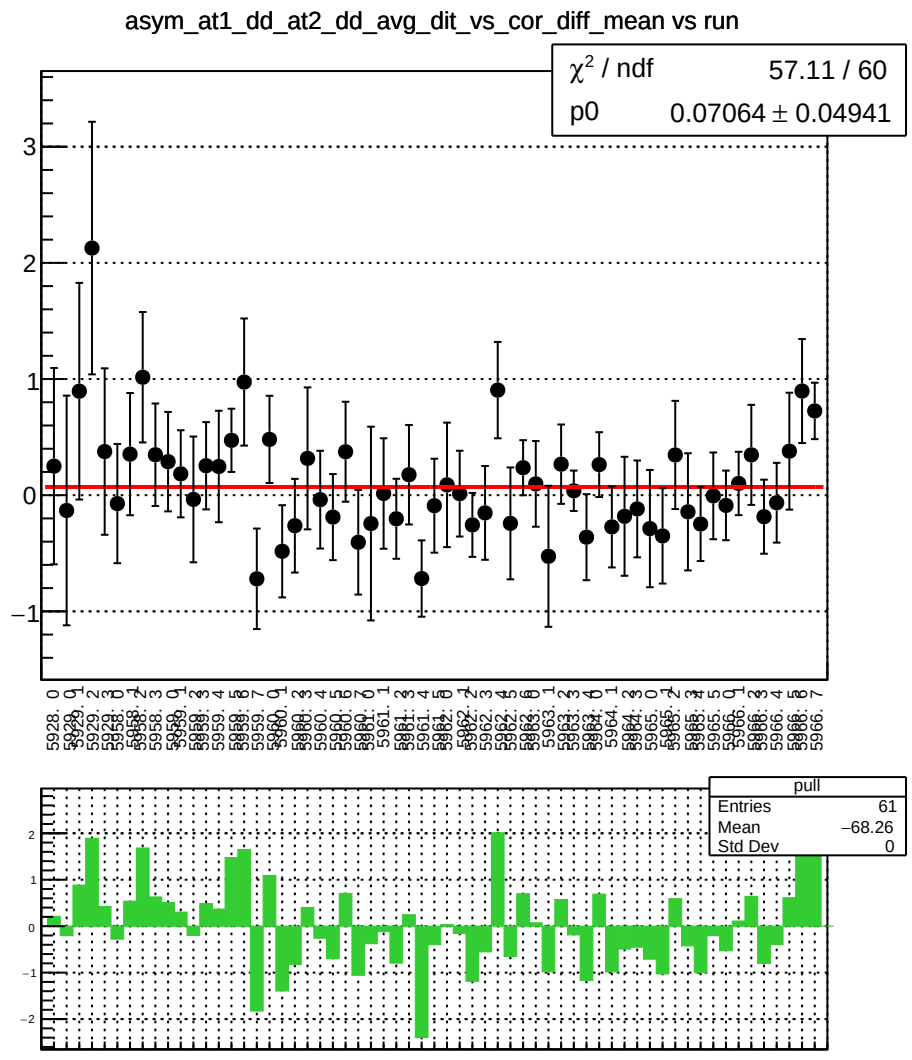

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 73.11 / 60
p0 1041 ± 2412
pull
Entries 61
Mean 51.61
Std Dev 0

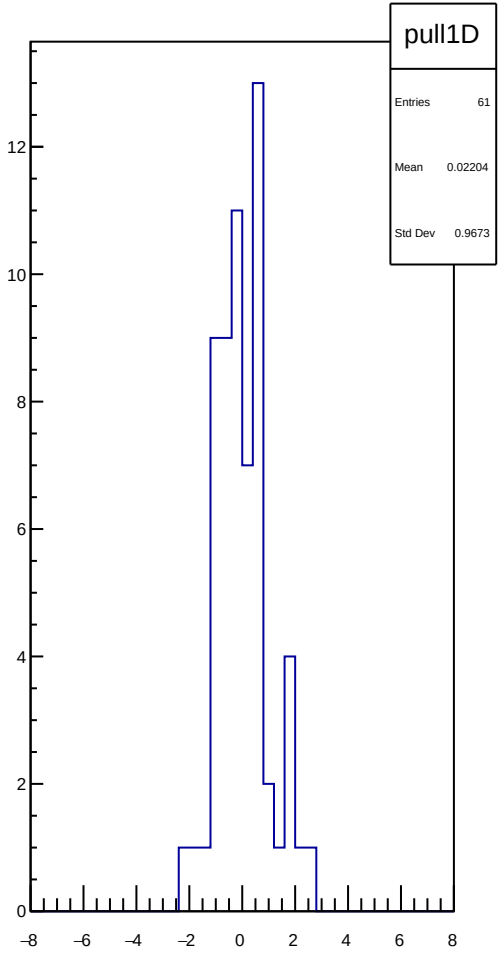

pull1D
Entries 61
Mean 0.006907
Std Dev 1.095

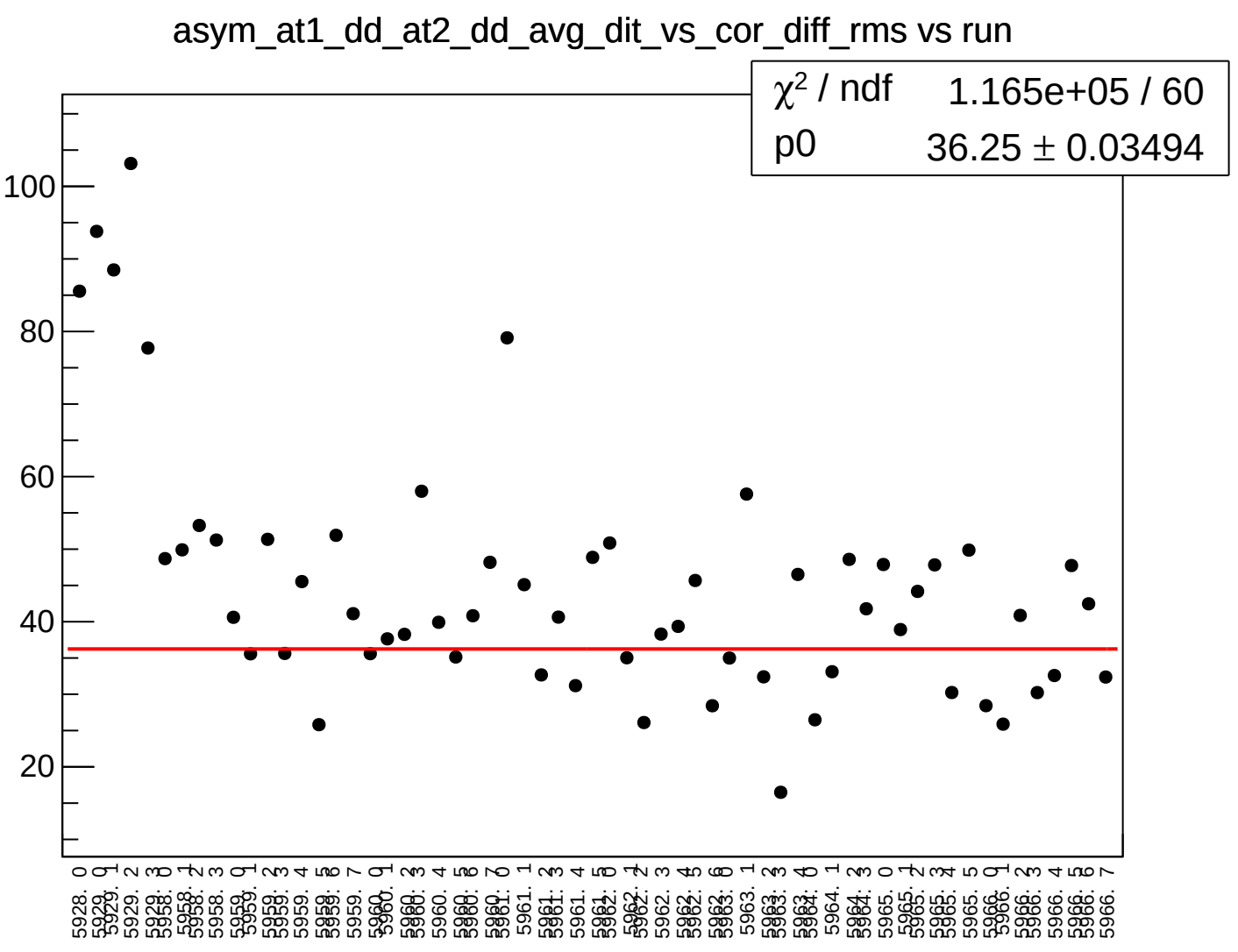

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1487 / 60
p0 1862 ± 1.706
2050
2000
1950
1900
1850
1800
1750

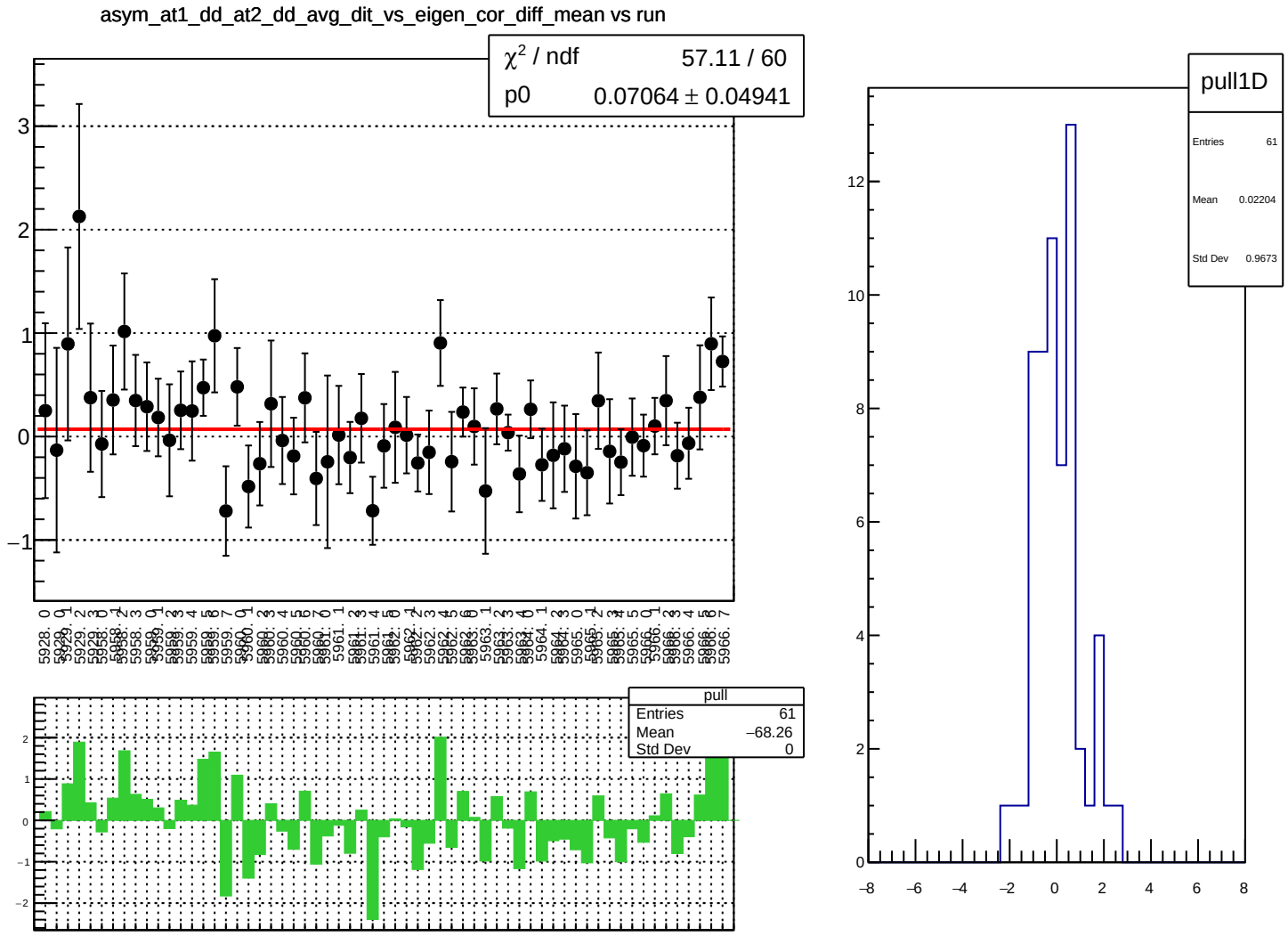

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.63 / 60
p0 −1.573e−14 ± 1.444e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 61
Mean 45.26
Std Dev 20.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 61
Mean −0.09662
Std Dev 0.9059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

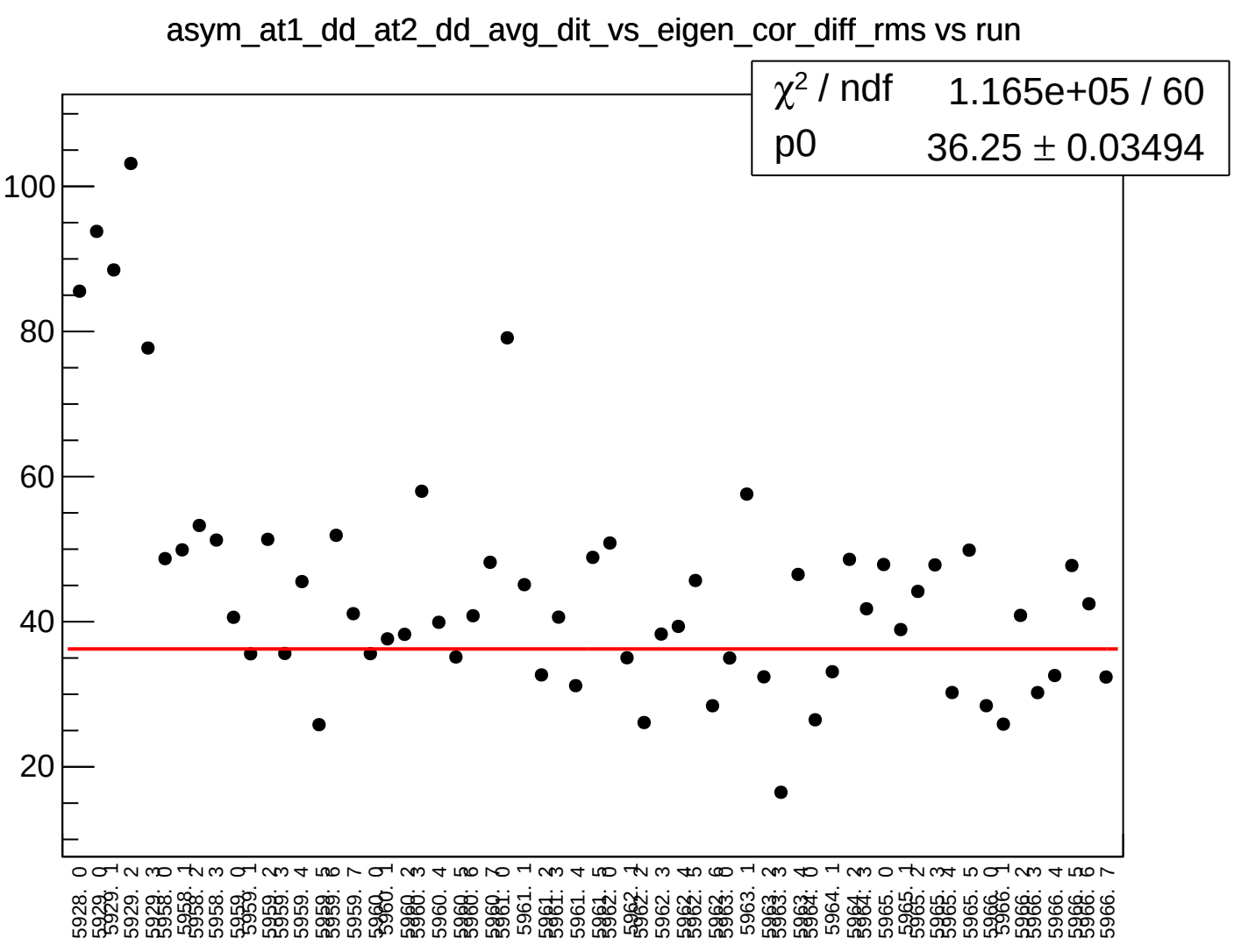

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.374e+05 / 60
p0 6.89e−11 ± 1.021e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

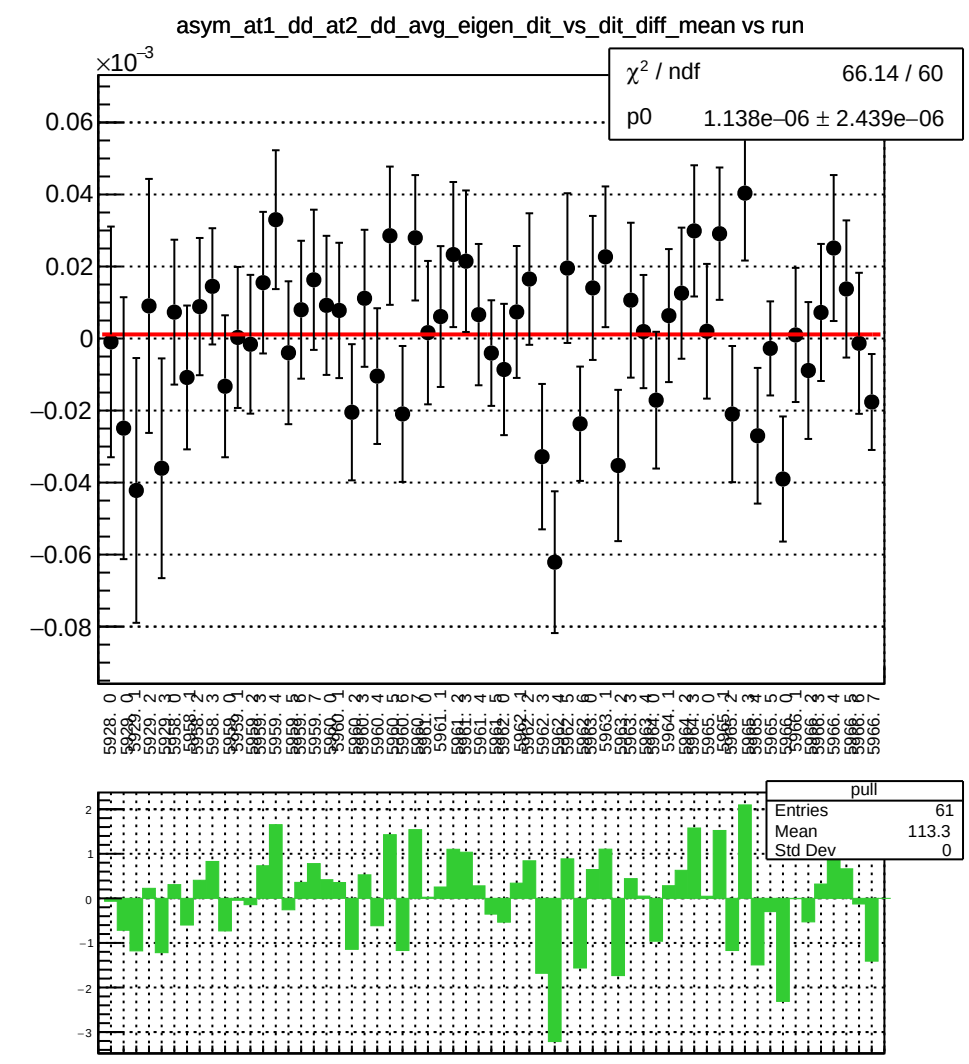

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.11 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.26
Std Dev 0

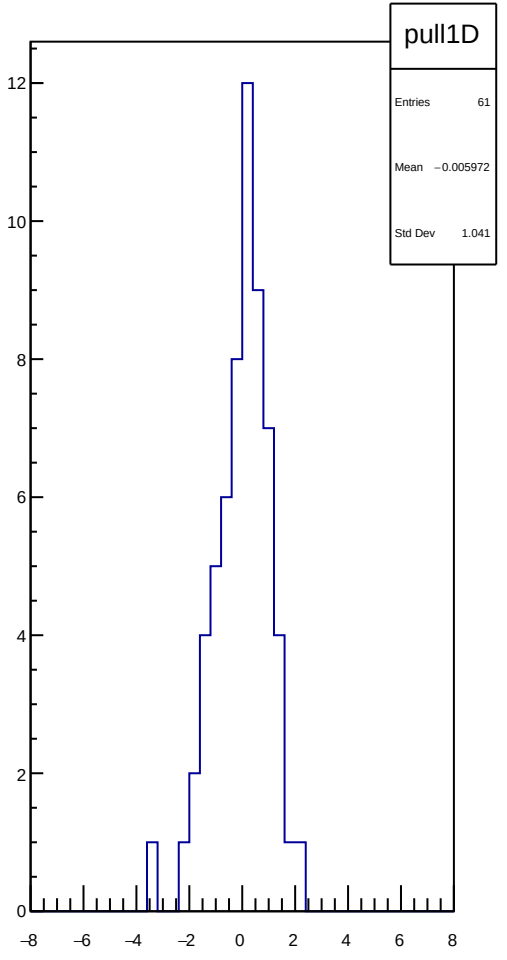

pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

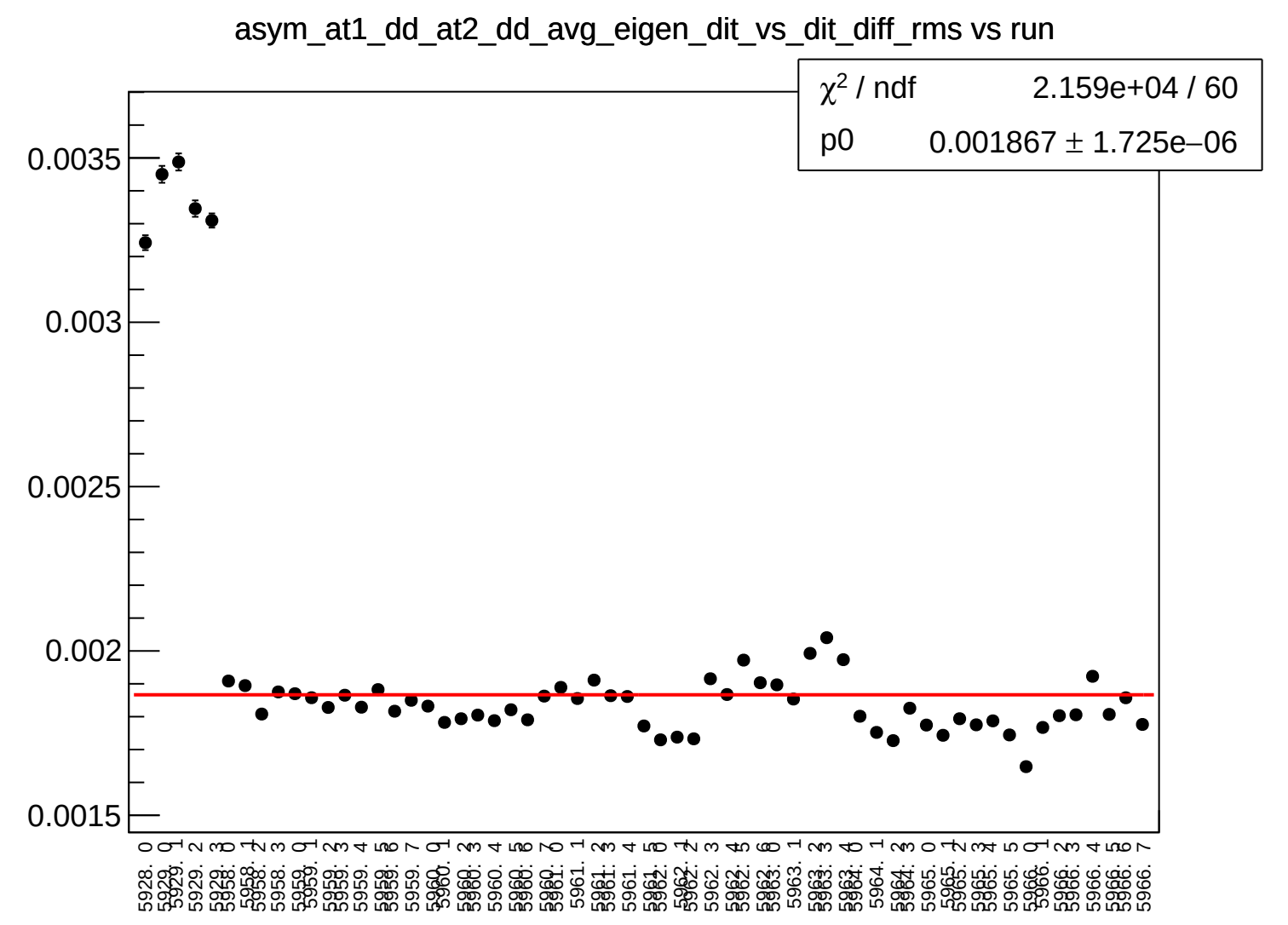

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

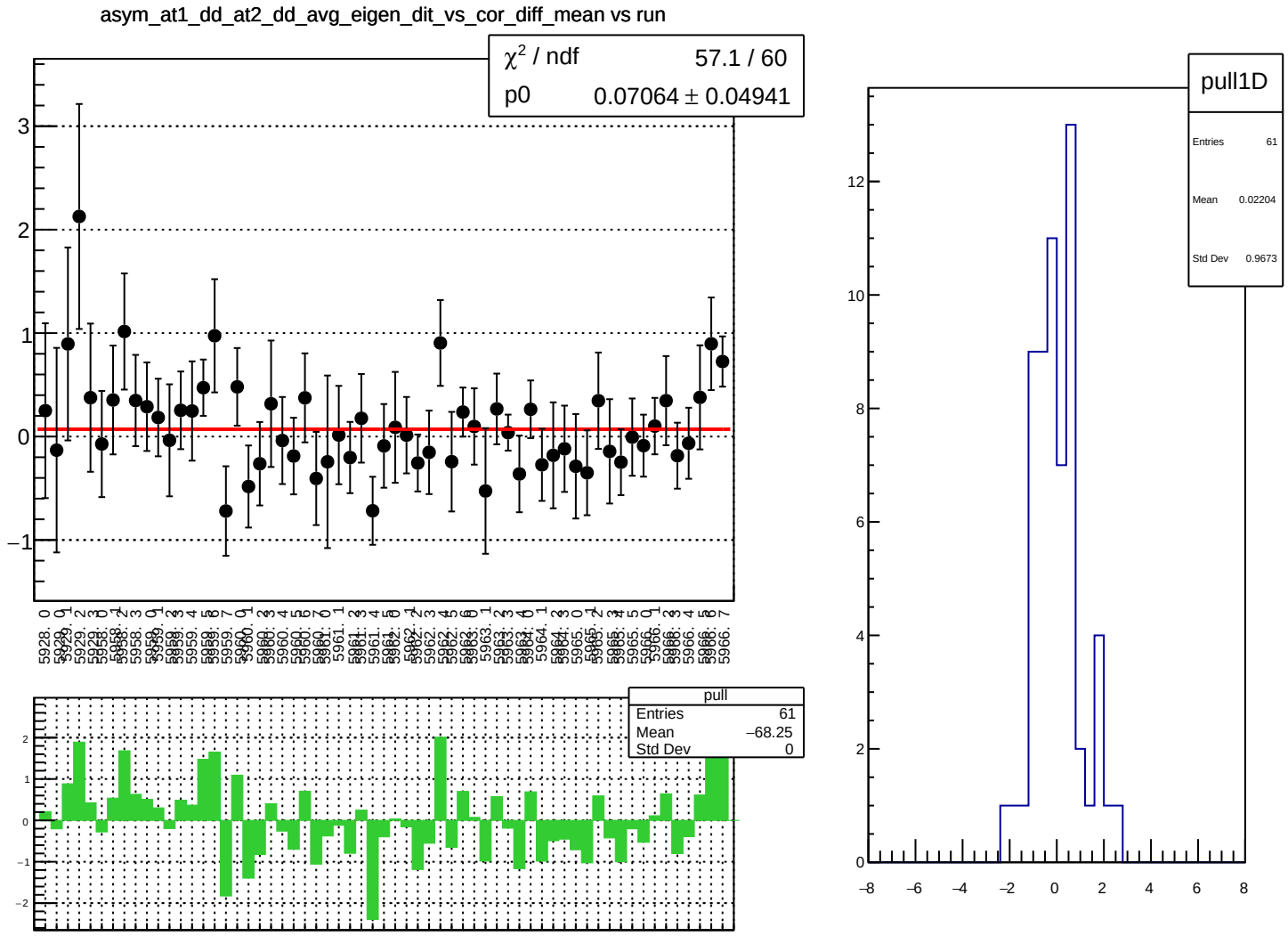

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.11 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.26
Std Dev 0
pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

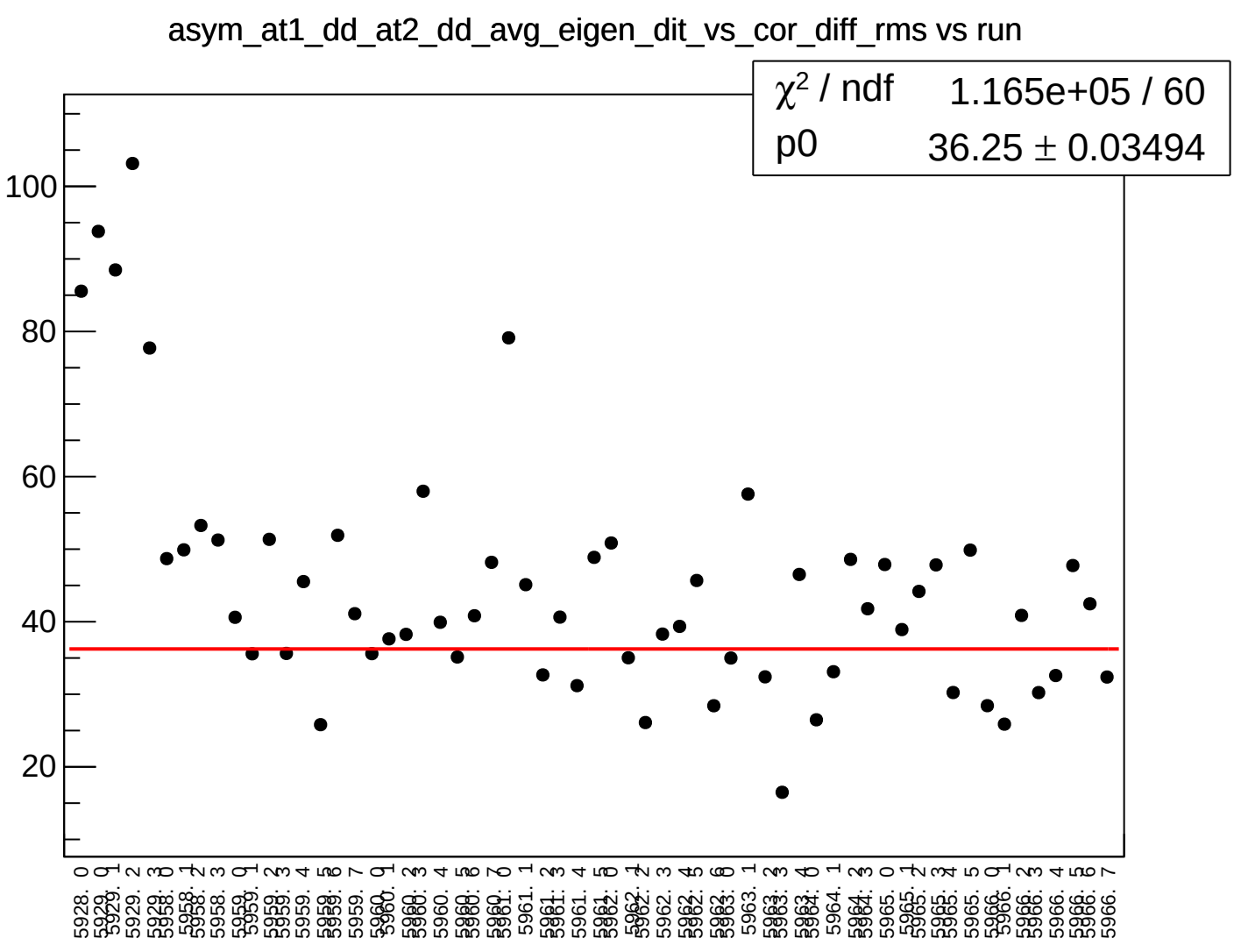

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

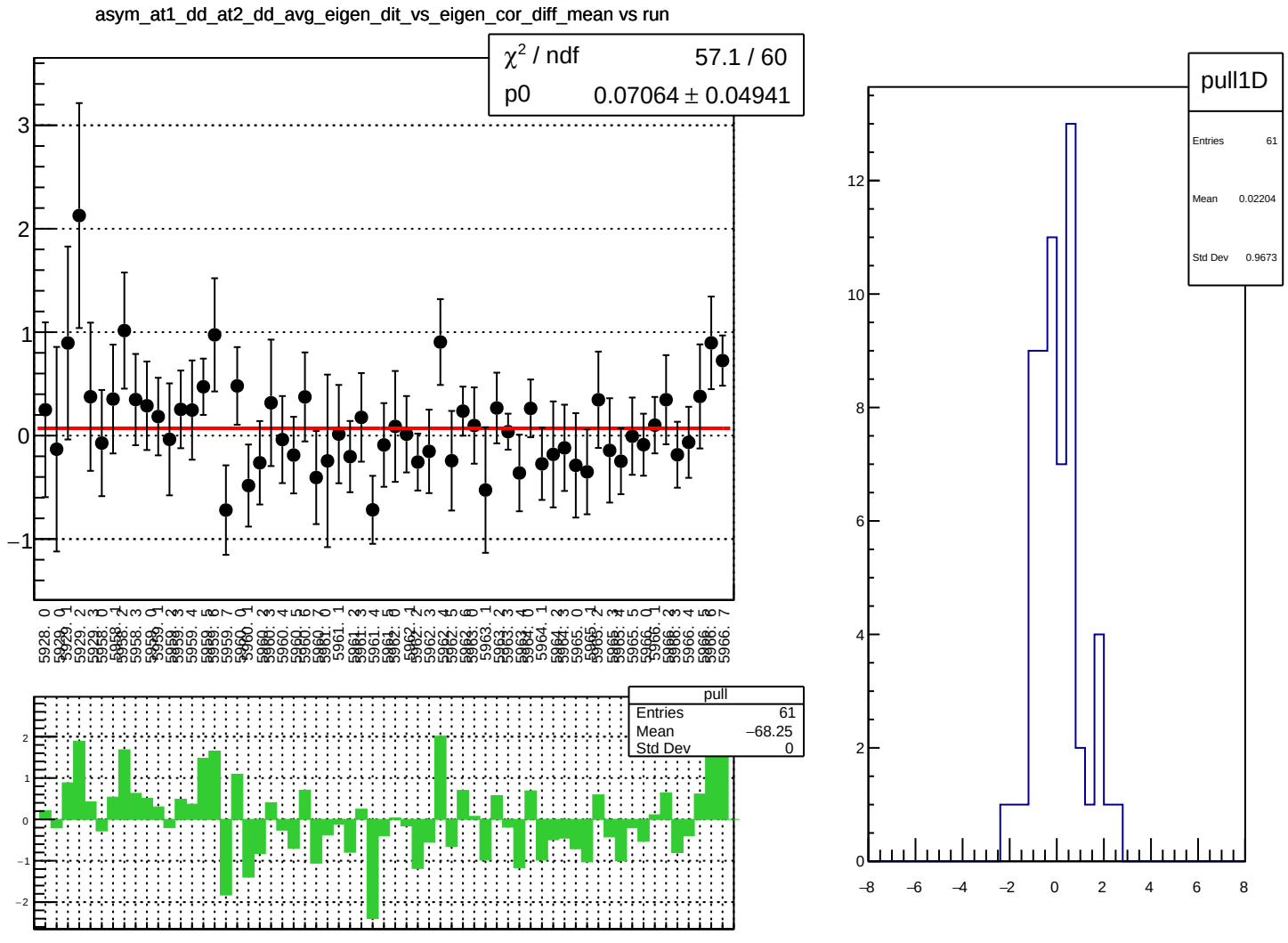

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 66.14 / 60
p0 1.138e−06 ± 2.439e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 61
Mean 113.3
Std Dev 0
2
1
0
−1
−2
−3

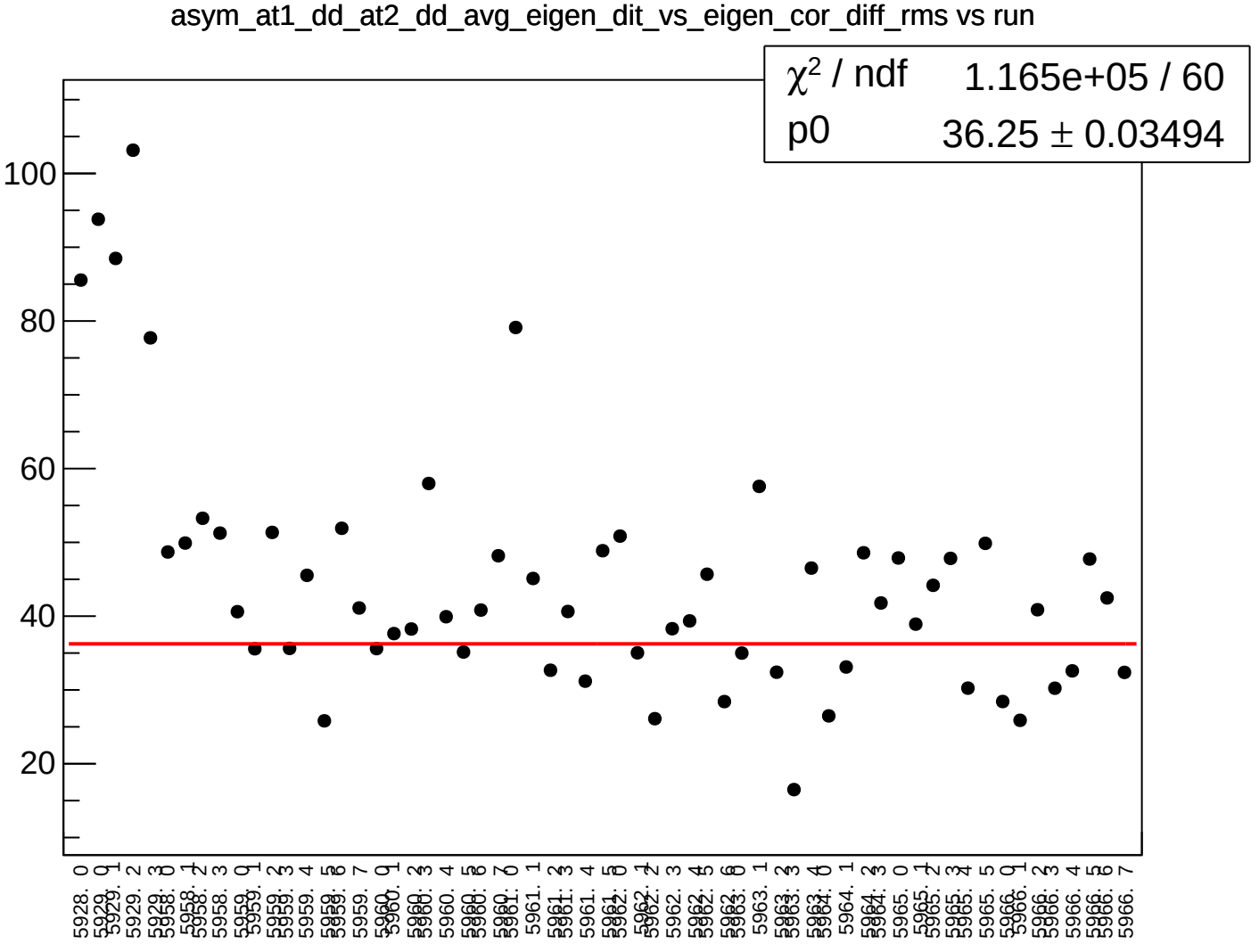

pull1D
Entries 61
Mean −0.005972
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

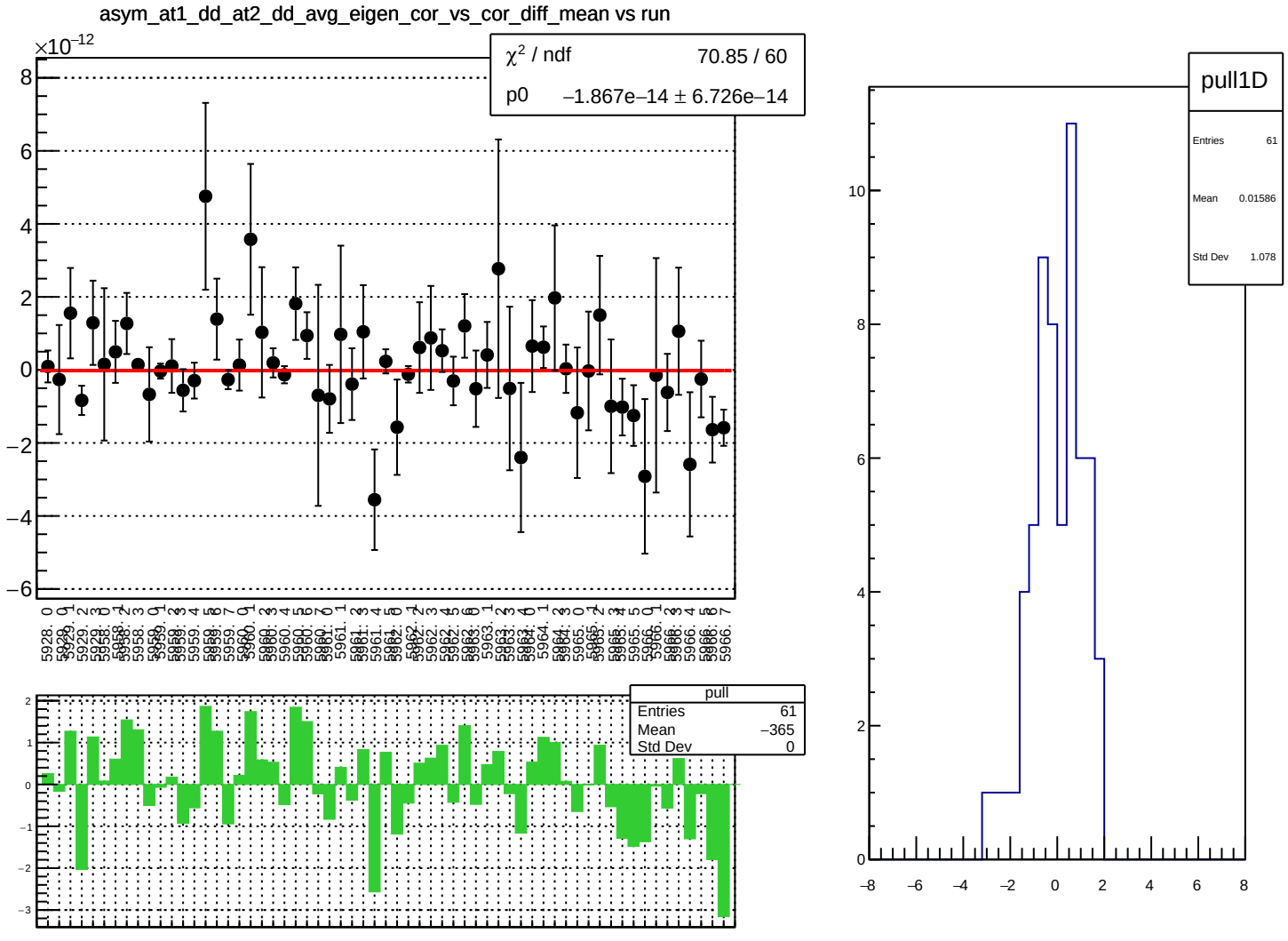

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.159e+04 / 60
p0 0.001867 ± 1.725e−06
0.0035
0.003
0.0025
0.002
0.0015

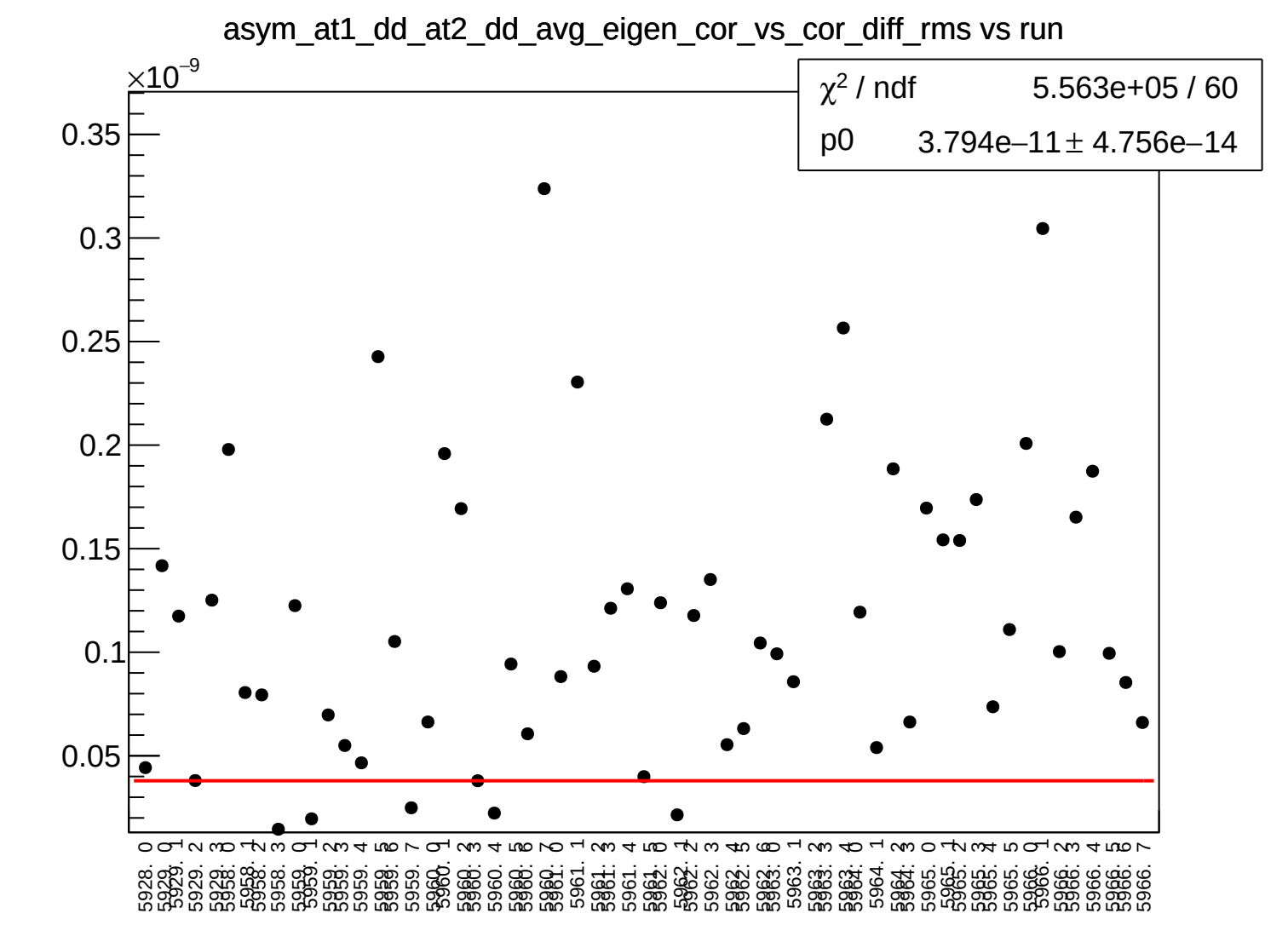

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.1 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.25
Std Dev 0
pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

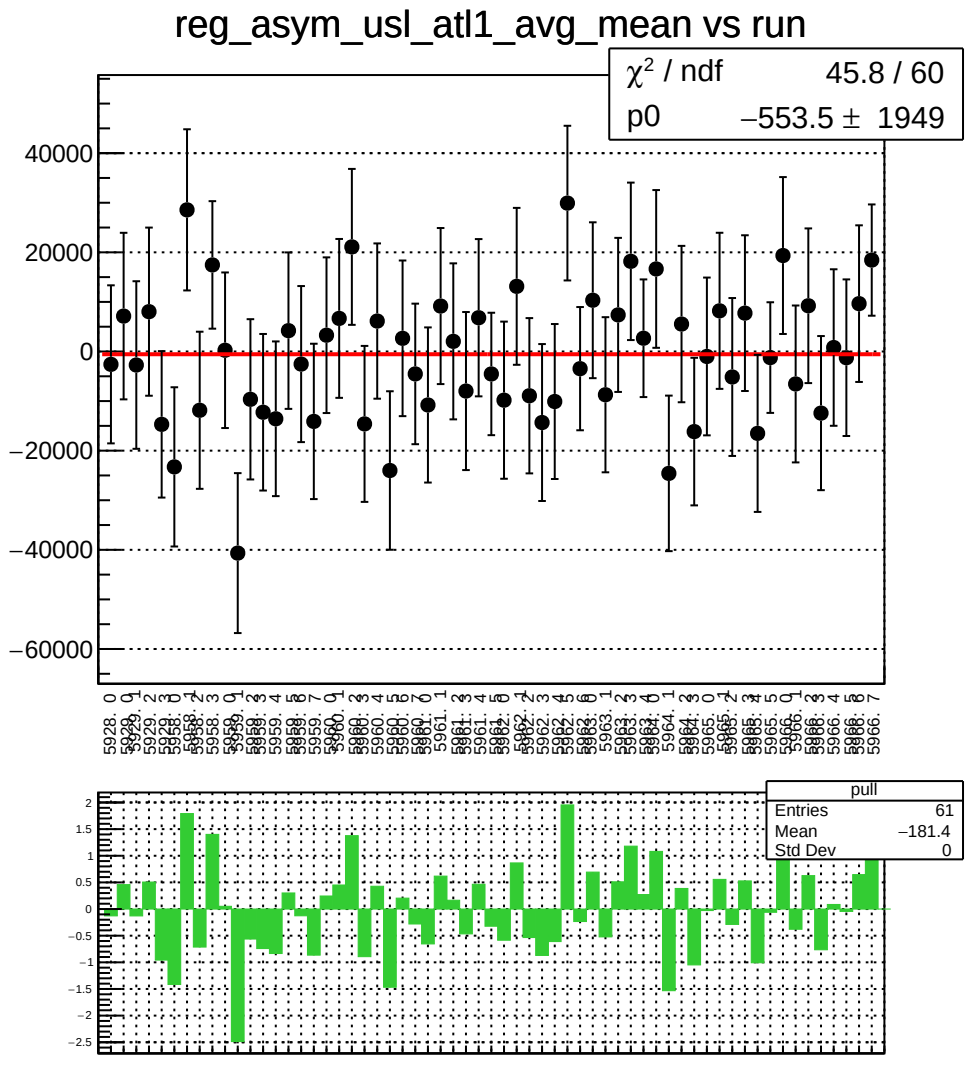

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

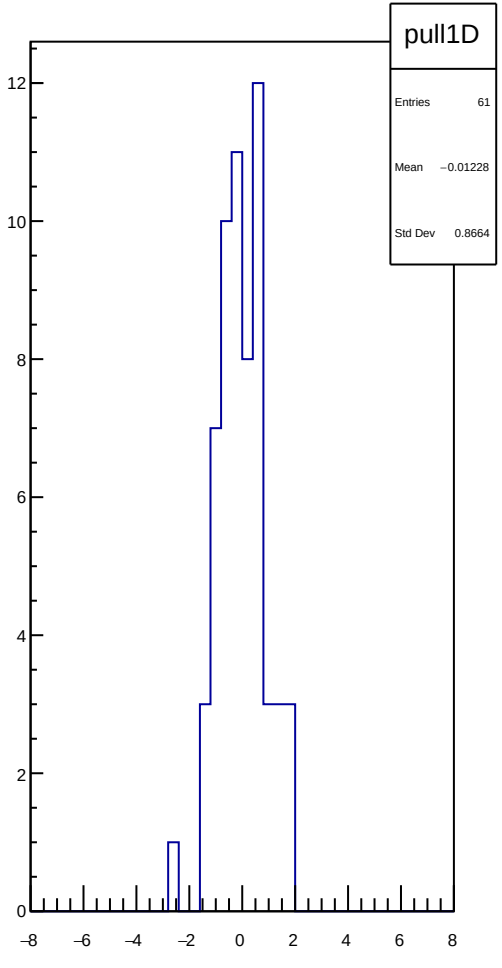

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.1 / 60
p0 0.07064 ± 0.04941
pull
Entries 61
Mean −68.25
Std Dev 0
pull1D
Entries 61
Mean 0.02204
Std Dev 0.9673

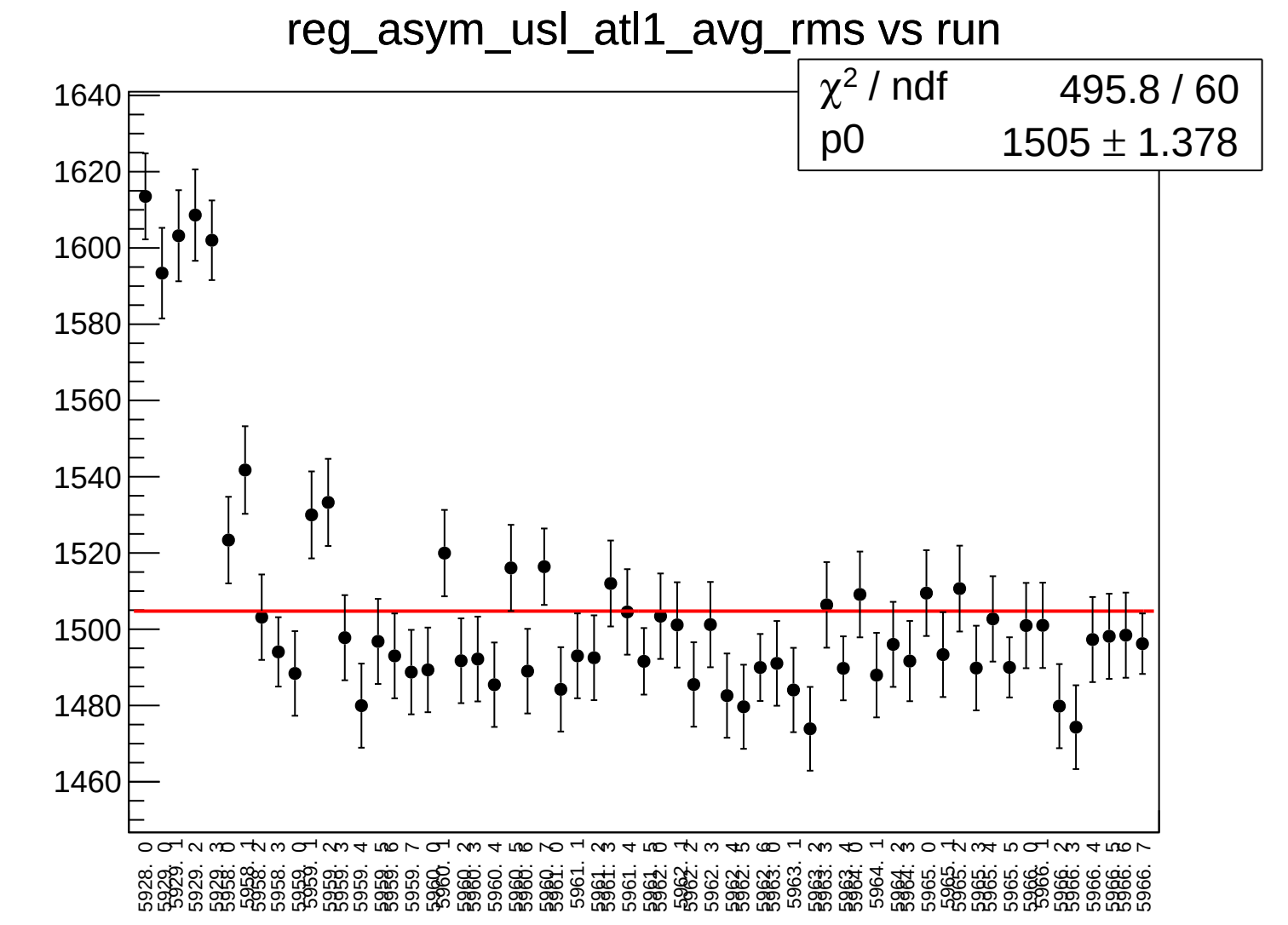

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.165e+05 / 60
p0 36.25 ± 0.03494
100
80
60
40
20

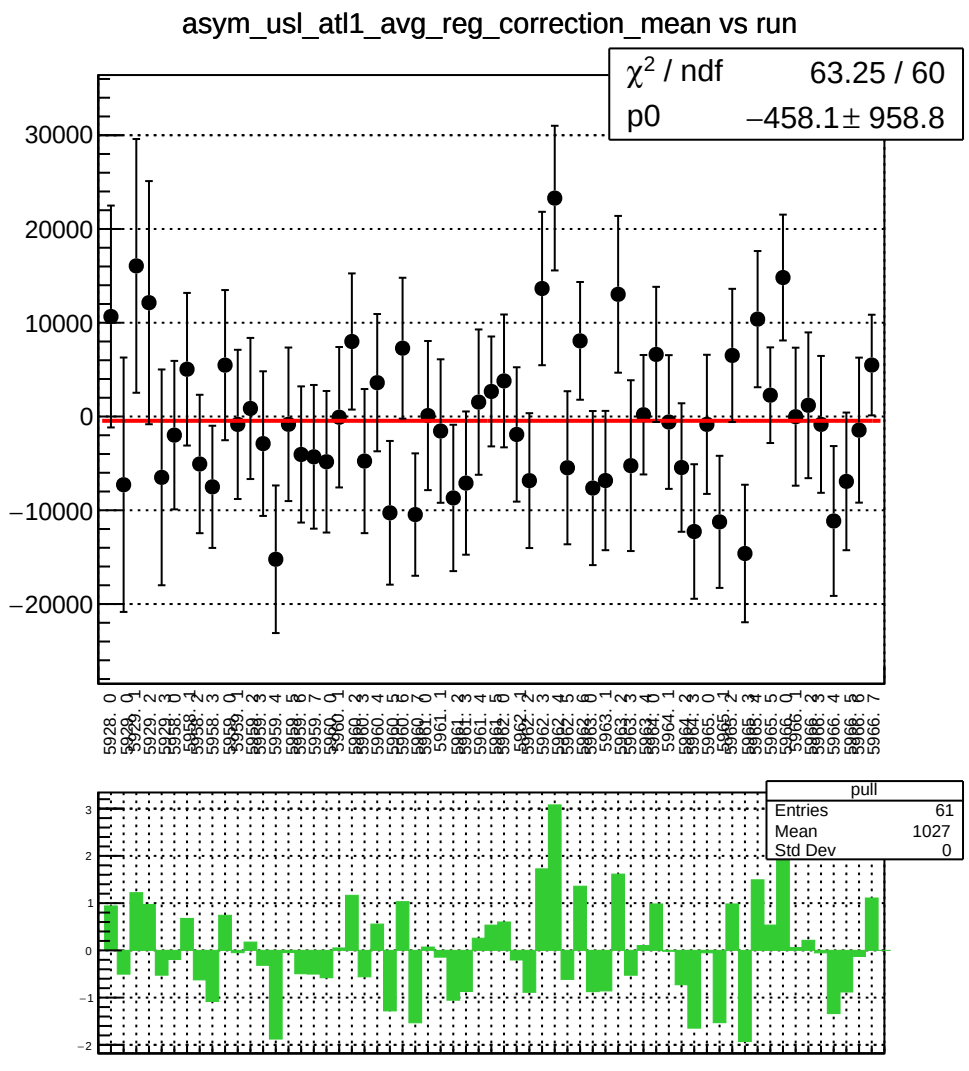

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.85 / 60
p0 −1.867e−14 ± 6.726e−14
pull
Entries 61
Mean −365
Std Dev 0
pull1D
Entries 61
Mean 0.01586
Std Dev 1.078

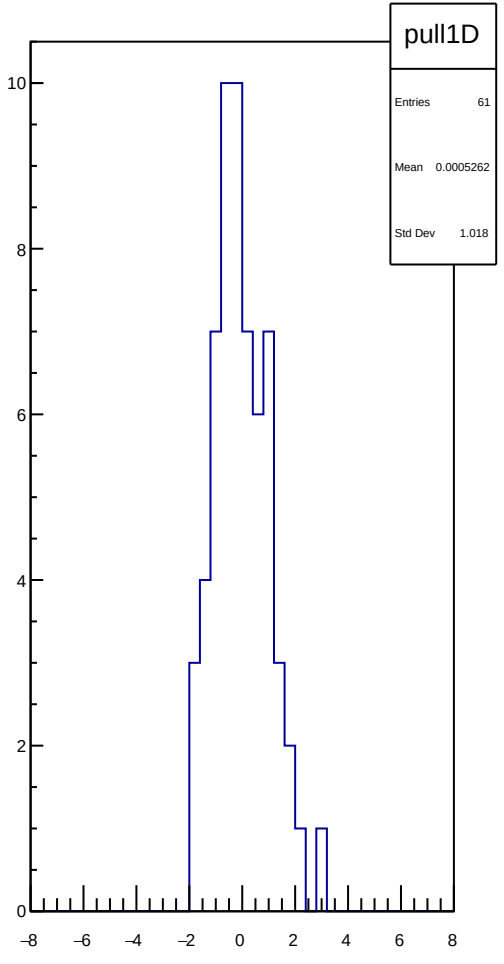

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.563e+05 / 60
p0 3.794e−11 ± 4.756e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

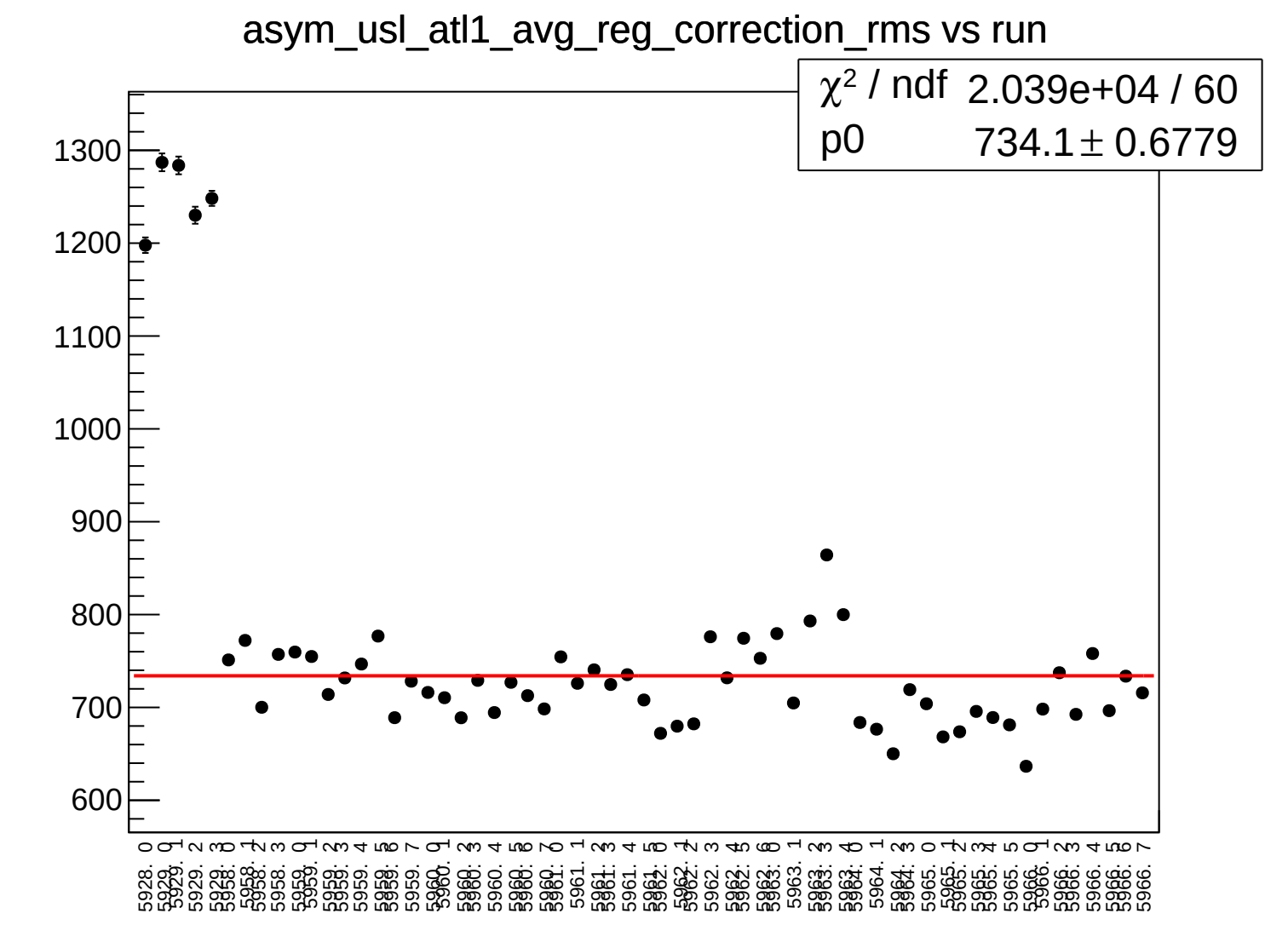

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 45.8 / 60
p0 −553.5 ± 1949
pull
Entries 61
Mean −181.4
Std Dev 0

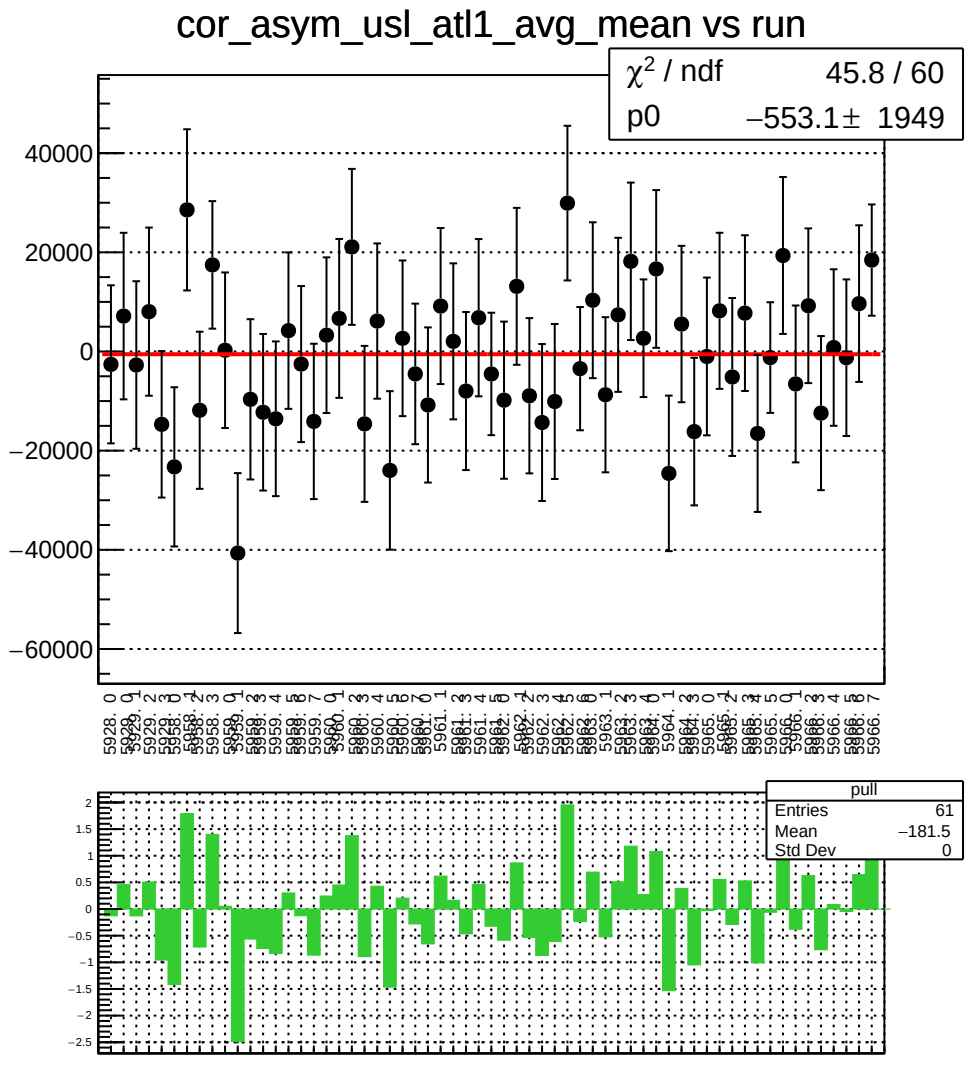

pull1D
Entries 61
Mean −0.01228
Std Dev 0.8664

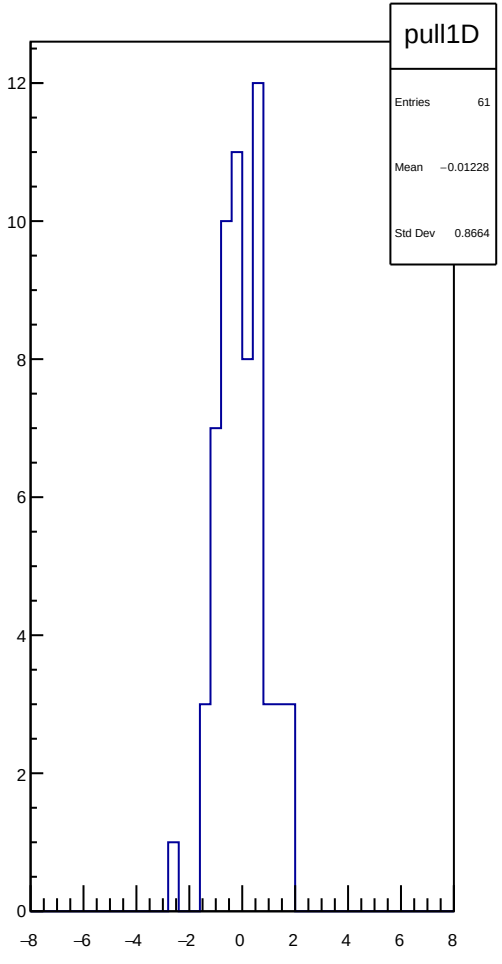

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 495.8 / 60
p0 1505 ± 1.378
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460

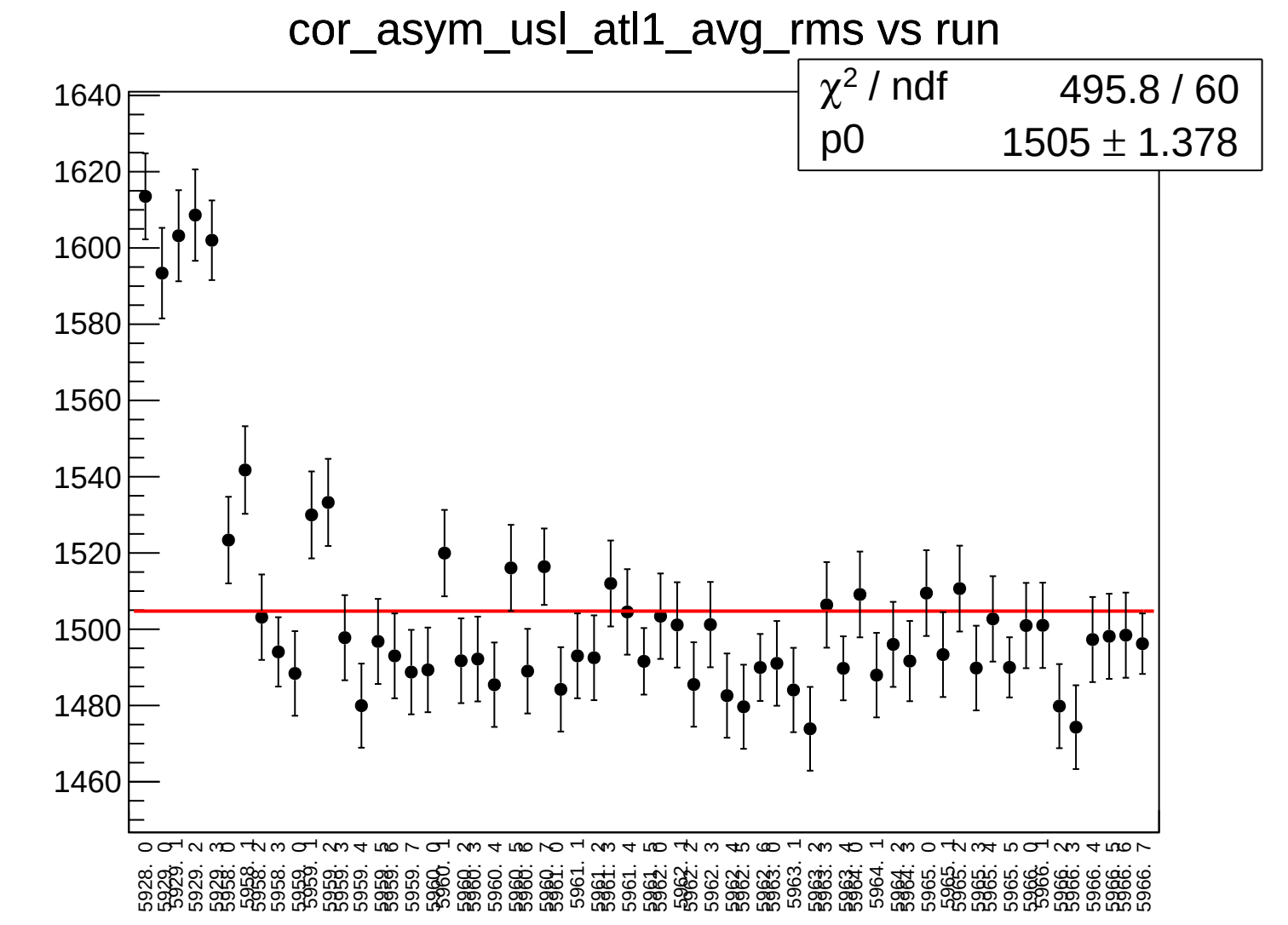

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 63.25 / 60
p0 −458.1± 958.8
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 1027
Std Dev 0
3
2
1
0
−1
−2

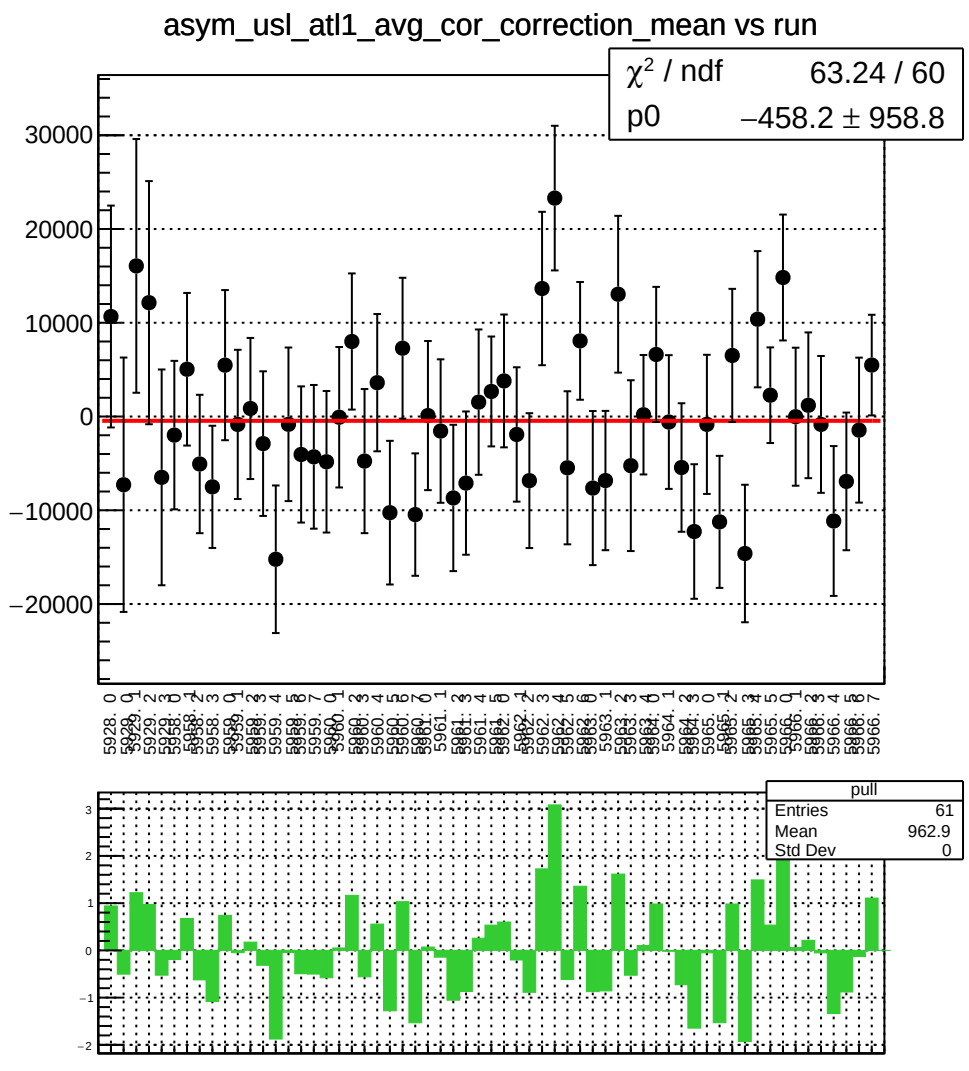

pull1D
Entries 61
Mean 0.0005262
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

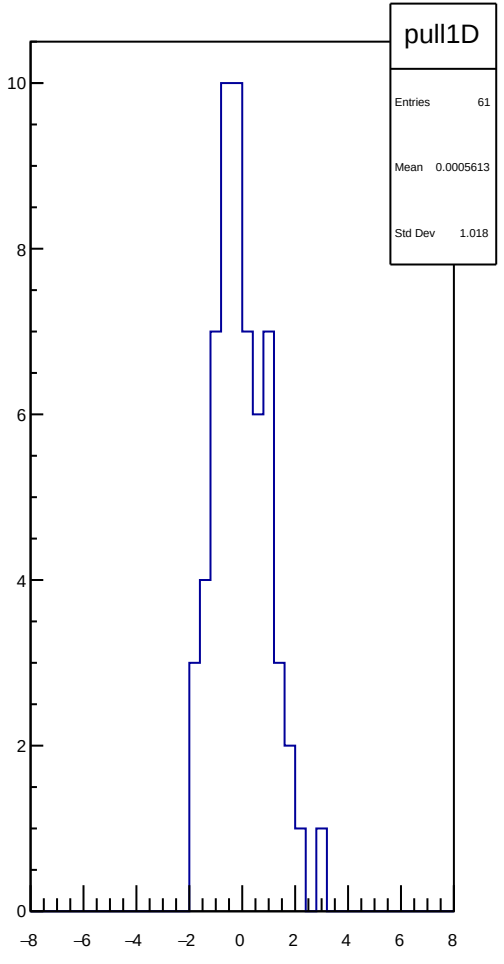

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 2.039e+04 / 60
p0 734.1 ± 0.6779
1300
1200
1100
1000
900
800
700
600

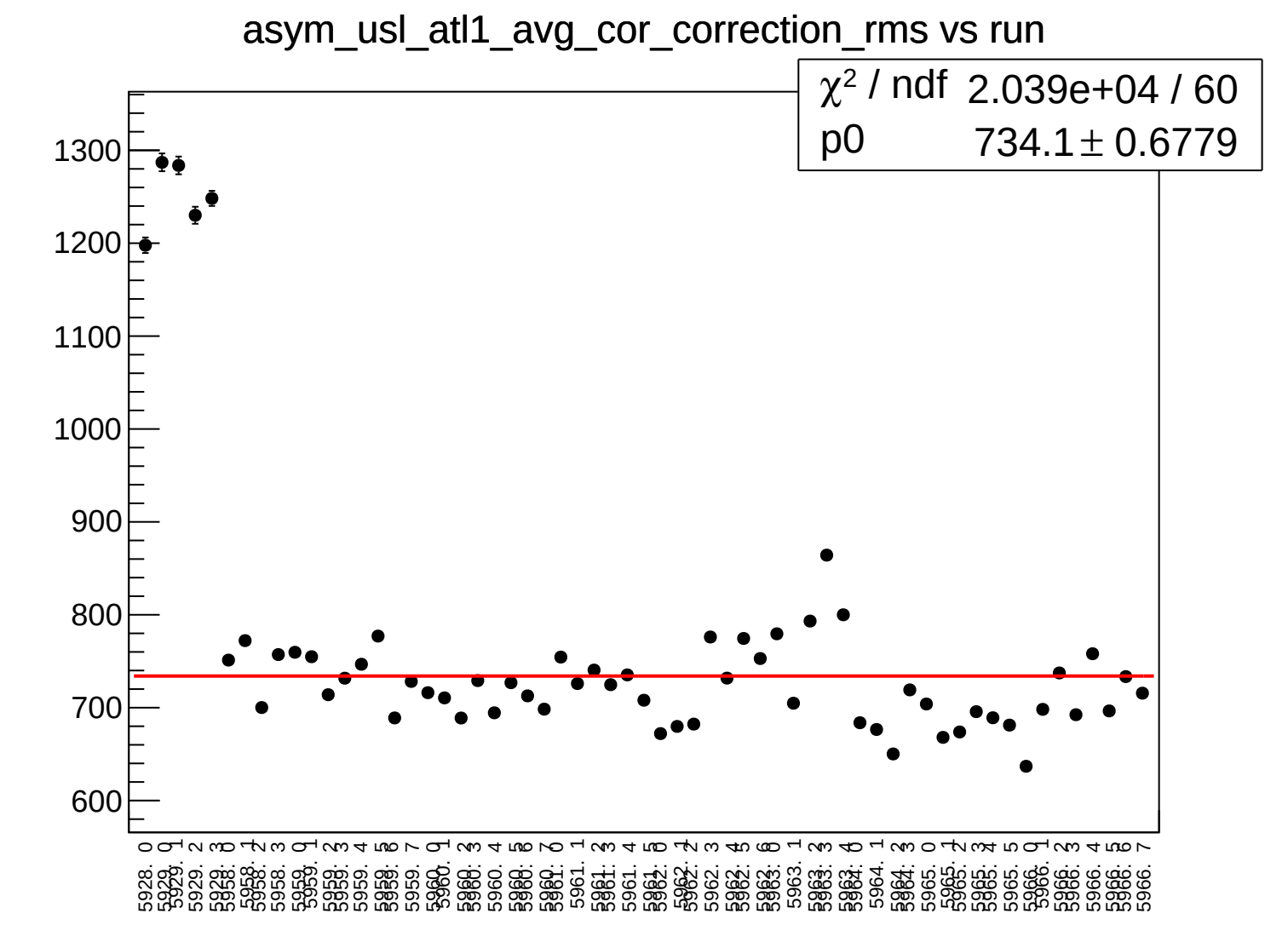

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 45.8 / 60
p0 −553.1± 1949
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −181.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

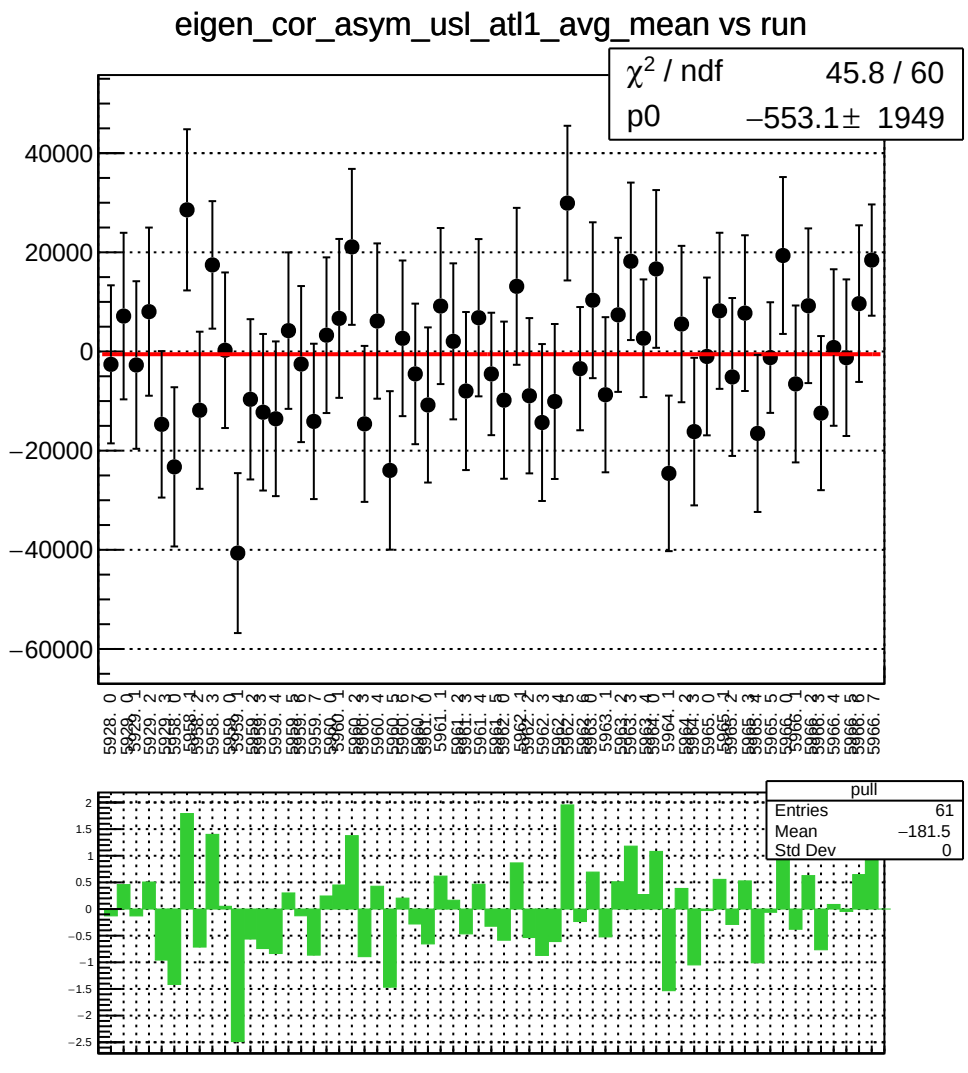

pull1D
Entries 61
Mean −0.01228
Std Dev 0.8664
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

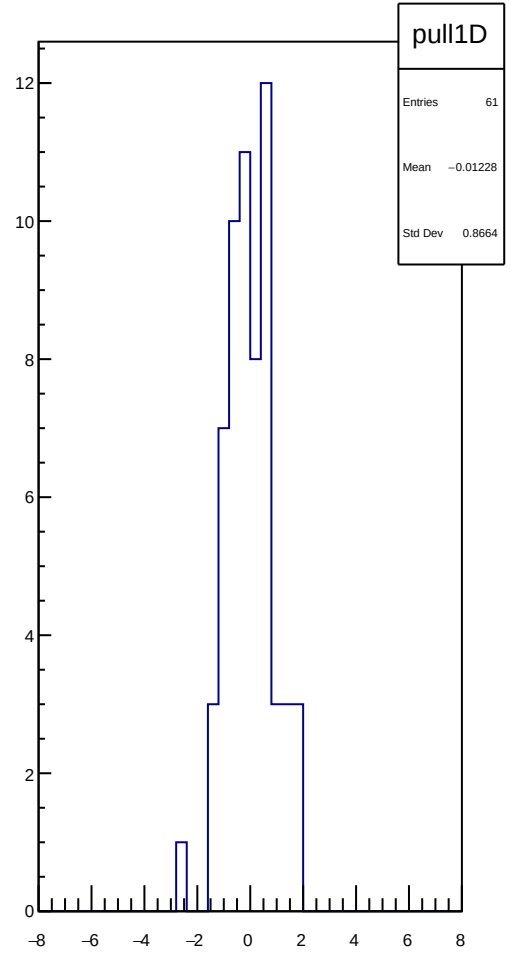

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 495.8 / 60
p0 1505 ± 1.378
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460

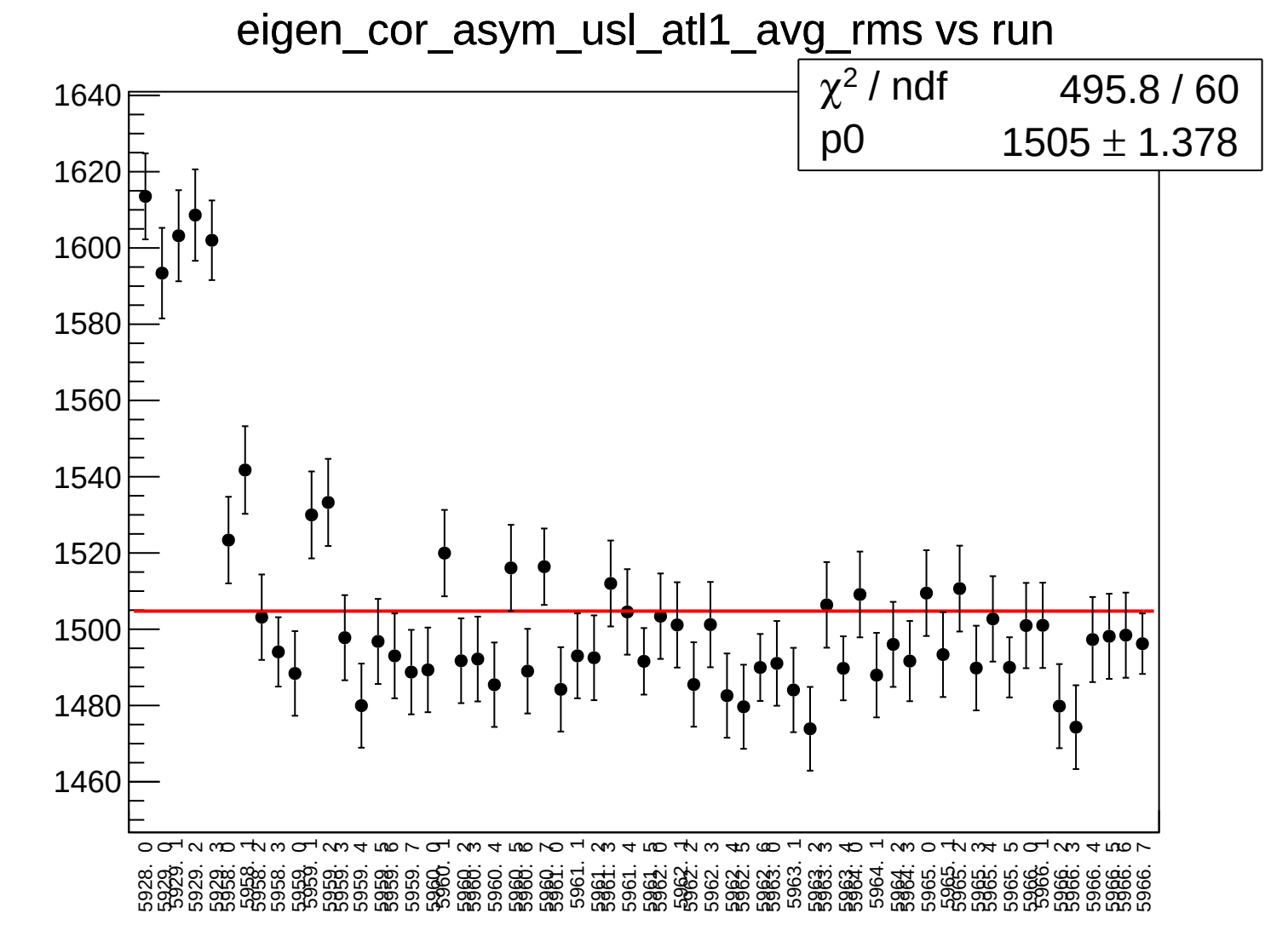

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 63.24 / 60
p0 −458.2 ± 958.8
pull
Entries 61
Mean 962.9
Std Dev 0

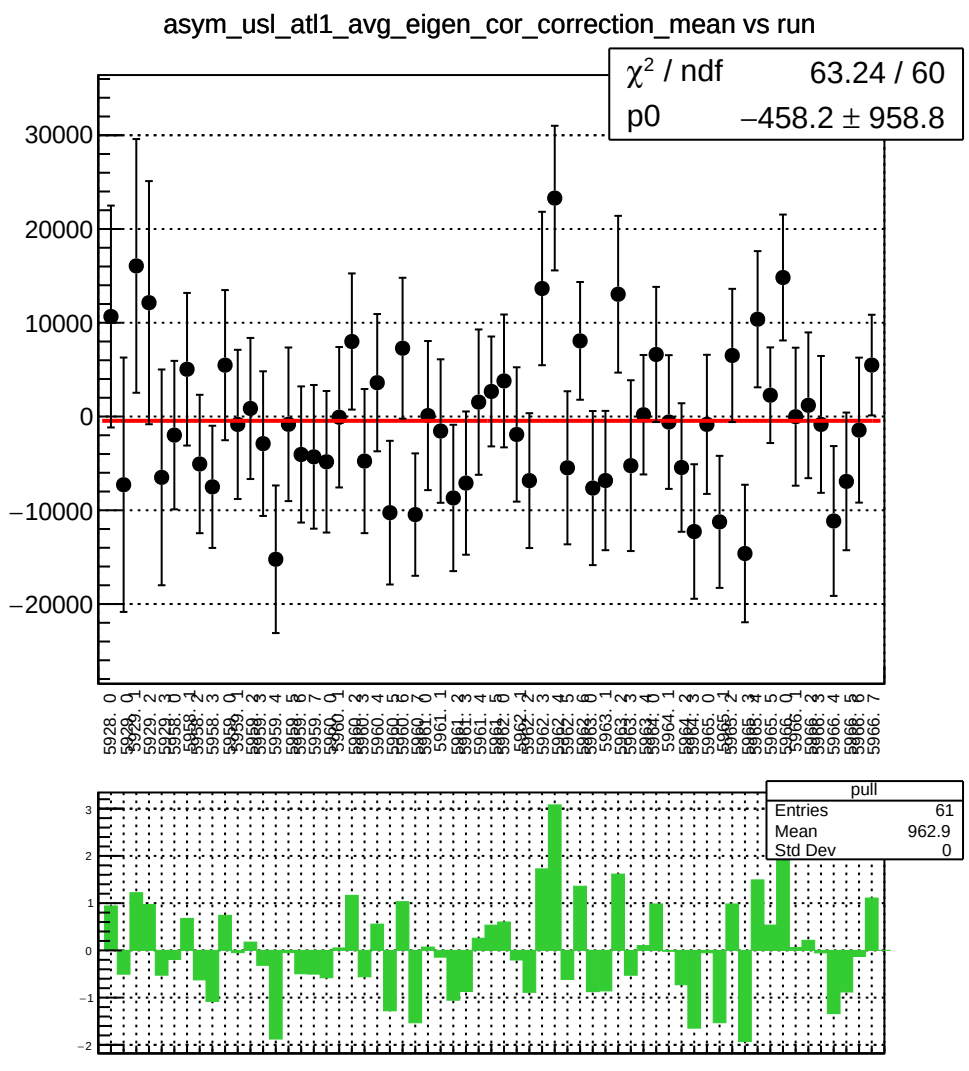

pull1D
Entries 61
Mean 0.0005613
Std Dev 1.018

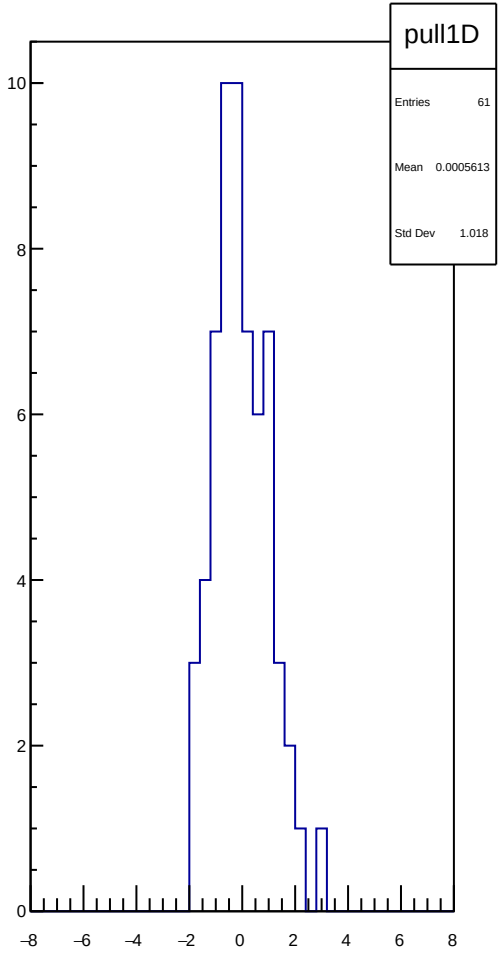

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 2.039e+04 / 60
p0 734.1 ± 0.6779
1300
1200
1100
1000
900
800
700
600

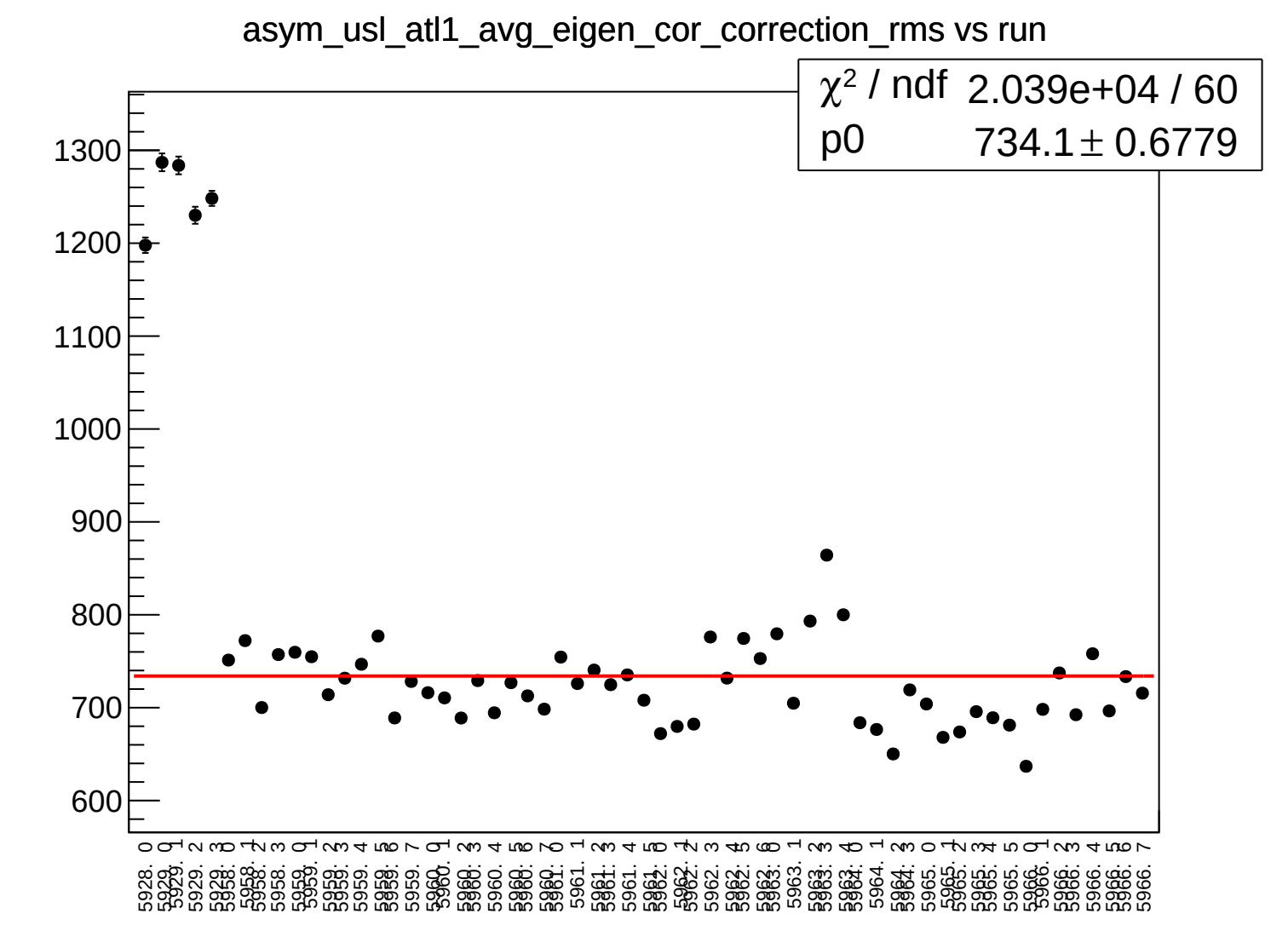

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 45.8 / 60
p0 −553.1± 1949
pull
Entries 61
Mean −181.5
Std Dev 0

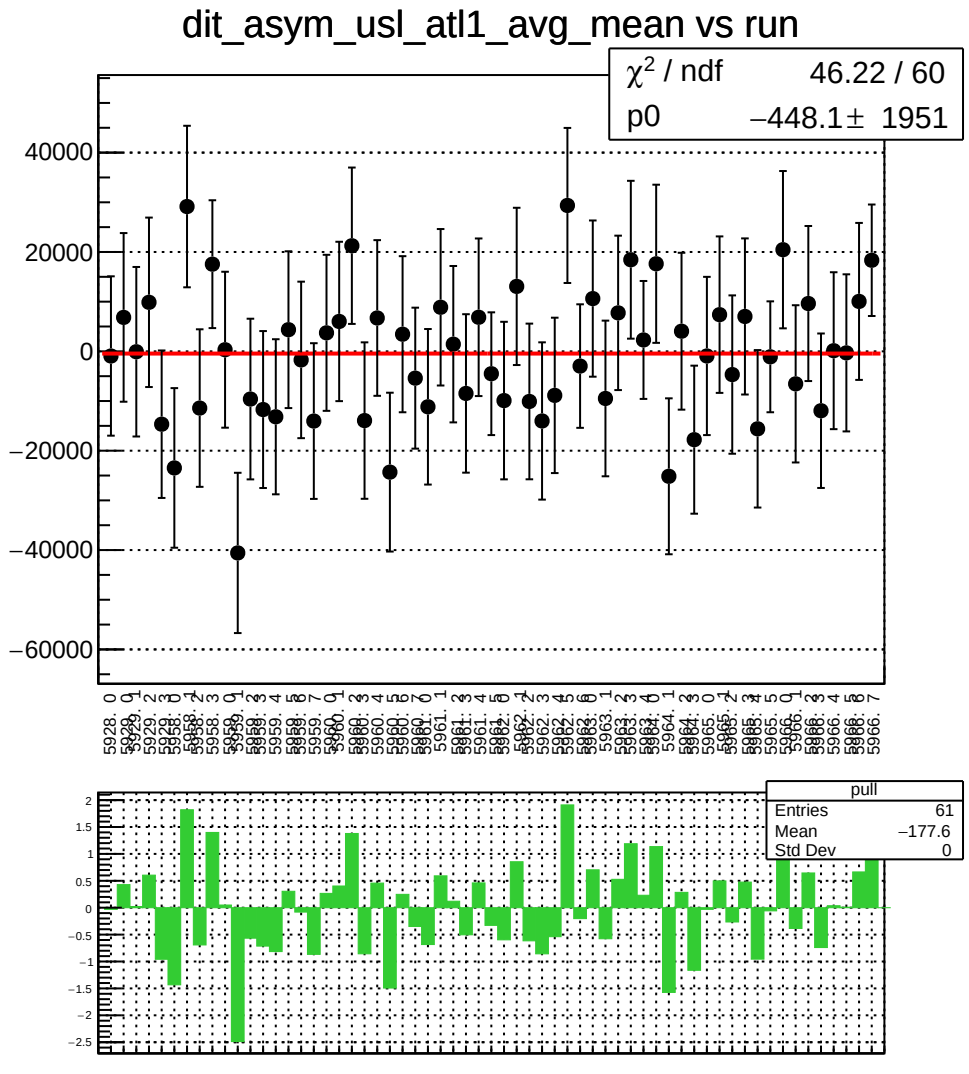

pull1D
Entries 61
Mean −0.01228
Std Dev 0.8664

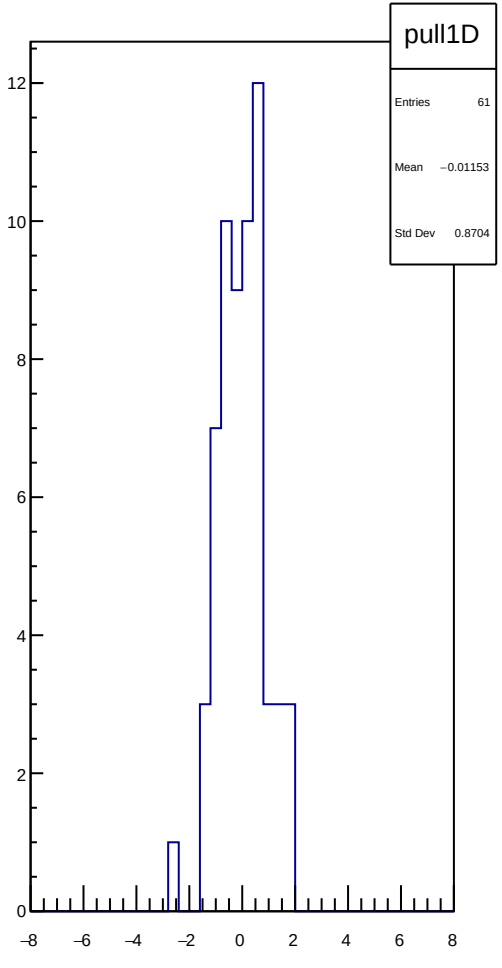

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 495.8 / 60
p0 1505 ± 1.378
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460

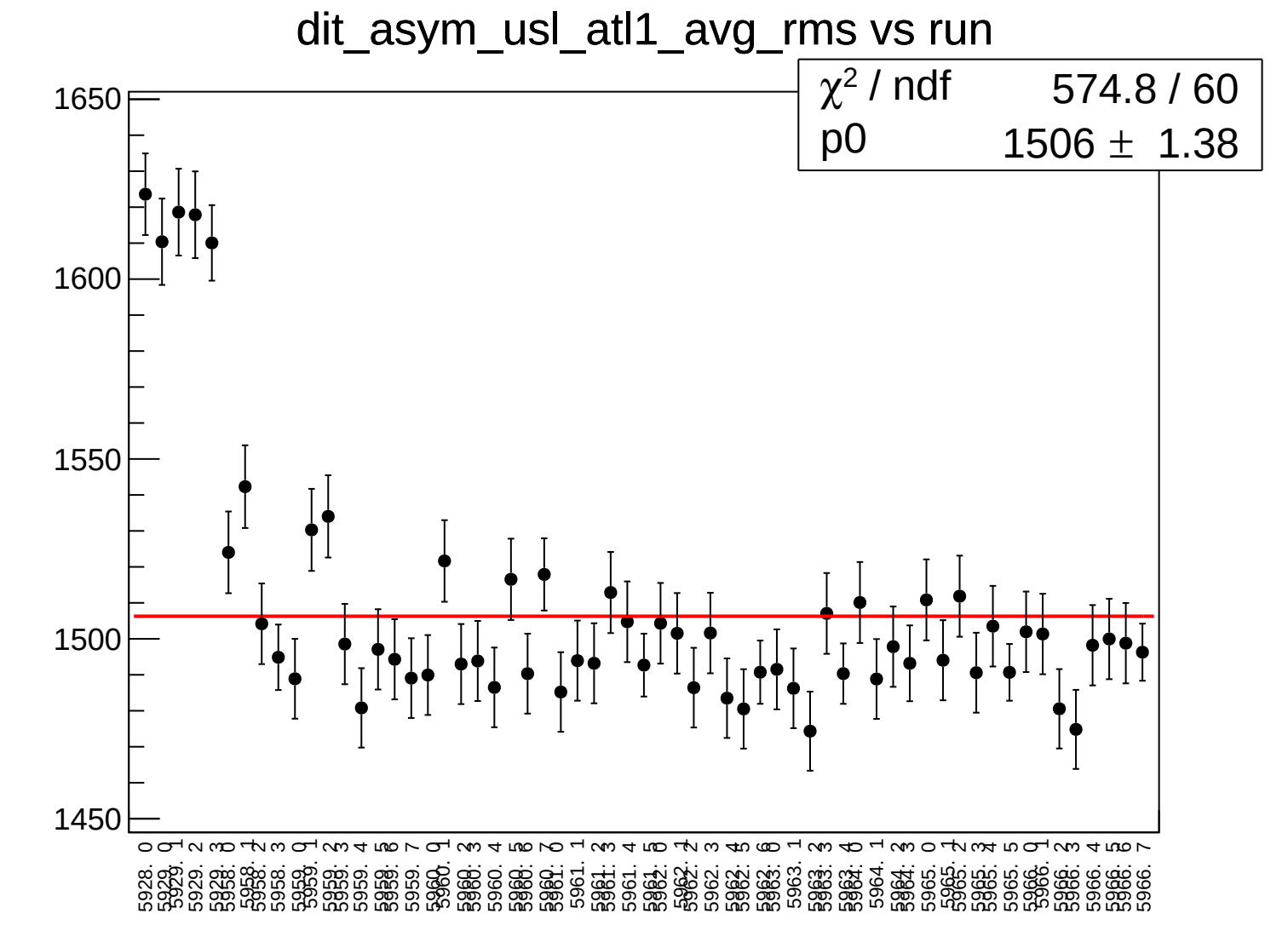

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.24 / 60
p0 −458.2 ± 958.8
pull
Entries 61
Mean 962.9
Std Dev 0

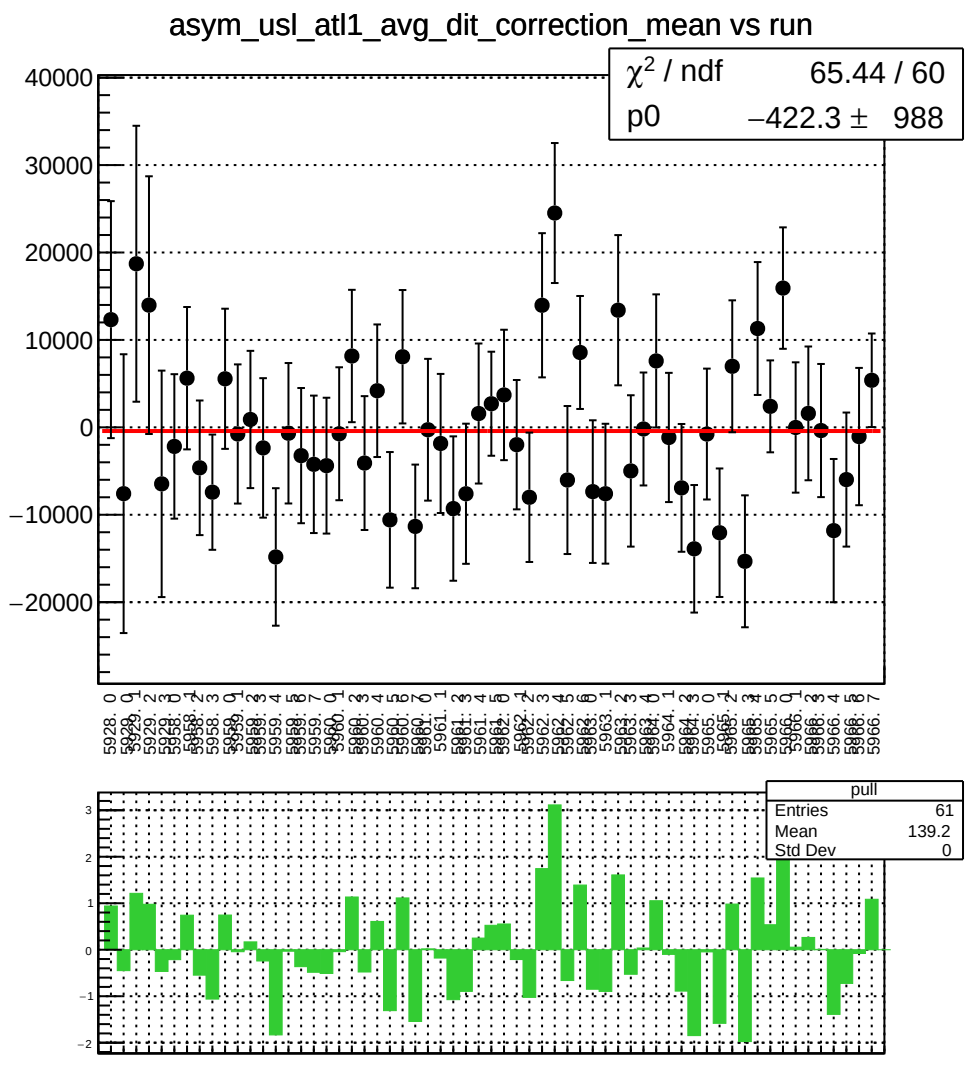

pull1D
Entries 61
Mean 0.0005613
Std Dev 1.018

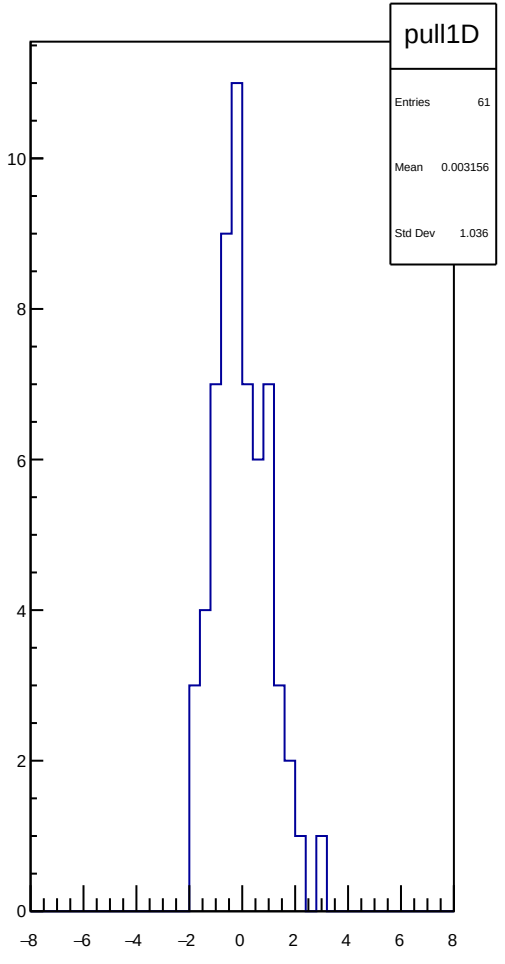

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.039e+04 / 60
p0 734.1 ± 0.6779
1300
1200
1100
1000
900
800
700
600

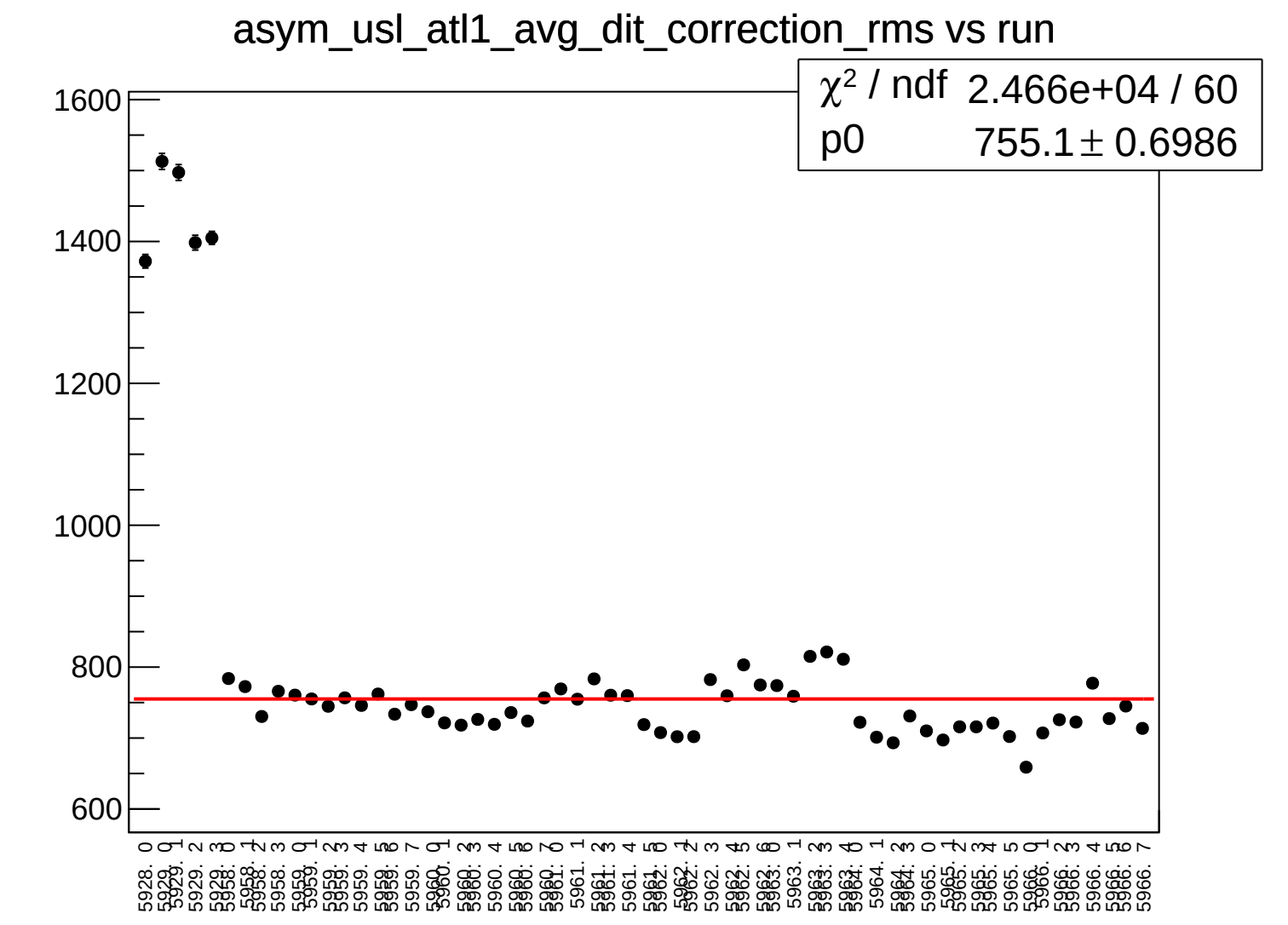

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 46.22 / 60
p0 −448.1± 1951
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −177.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

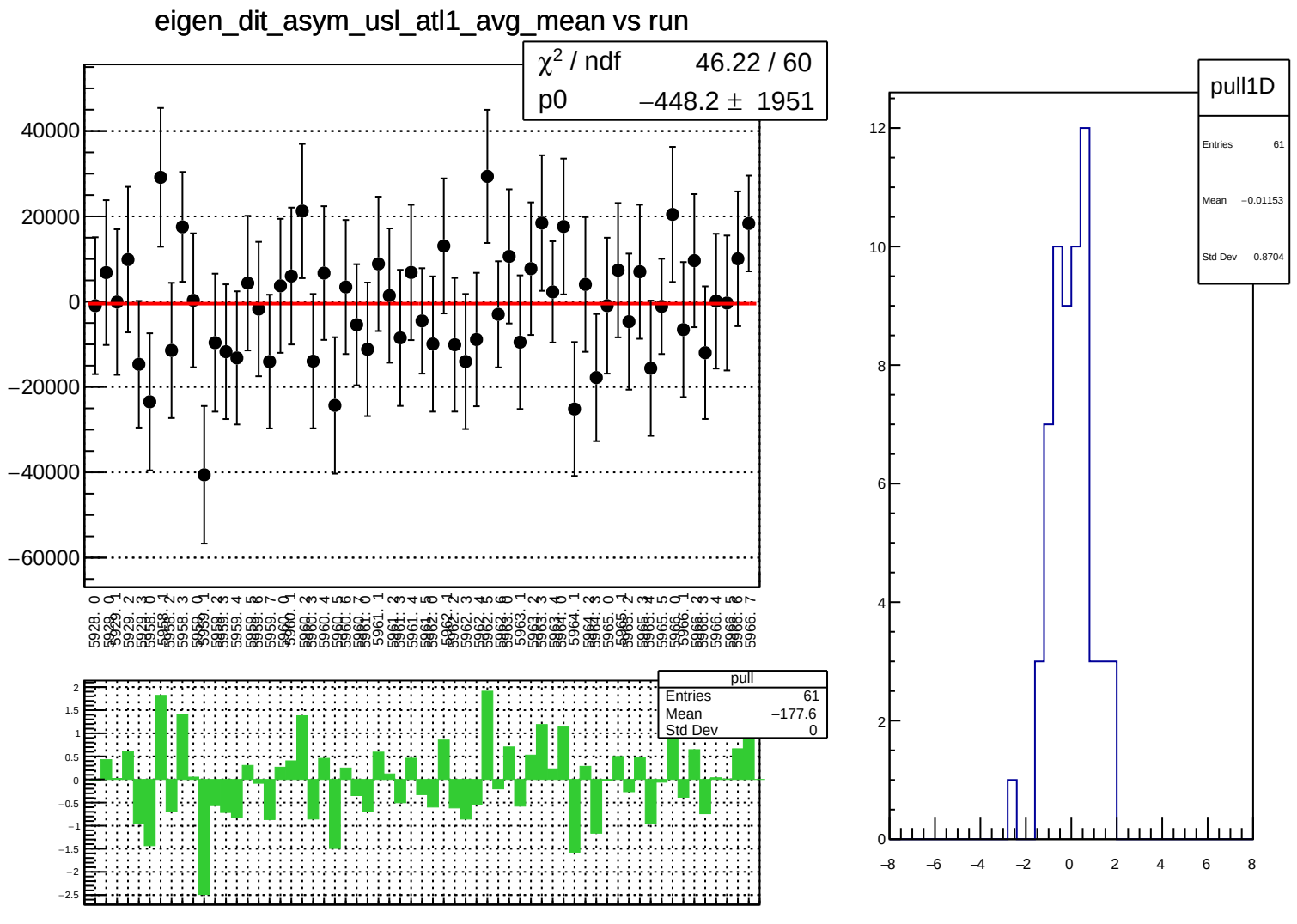

pull1D
Entries 61
Mean −0.01153
Std Dev 0.8704
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

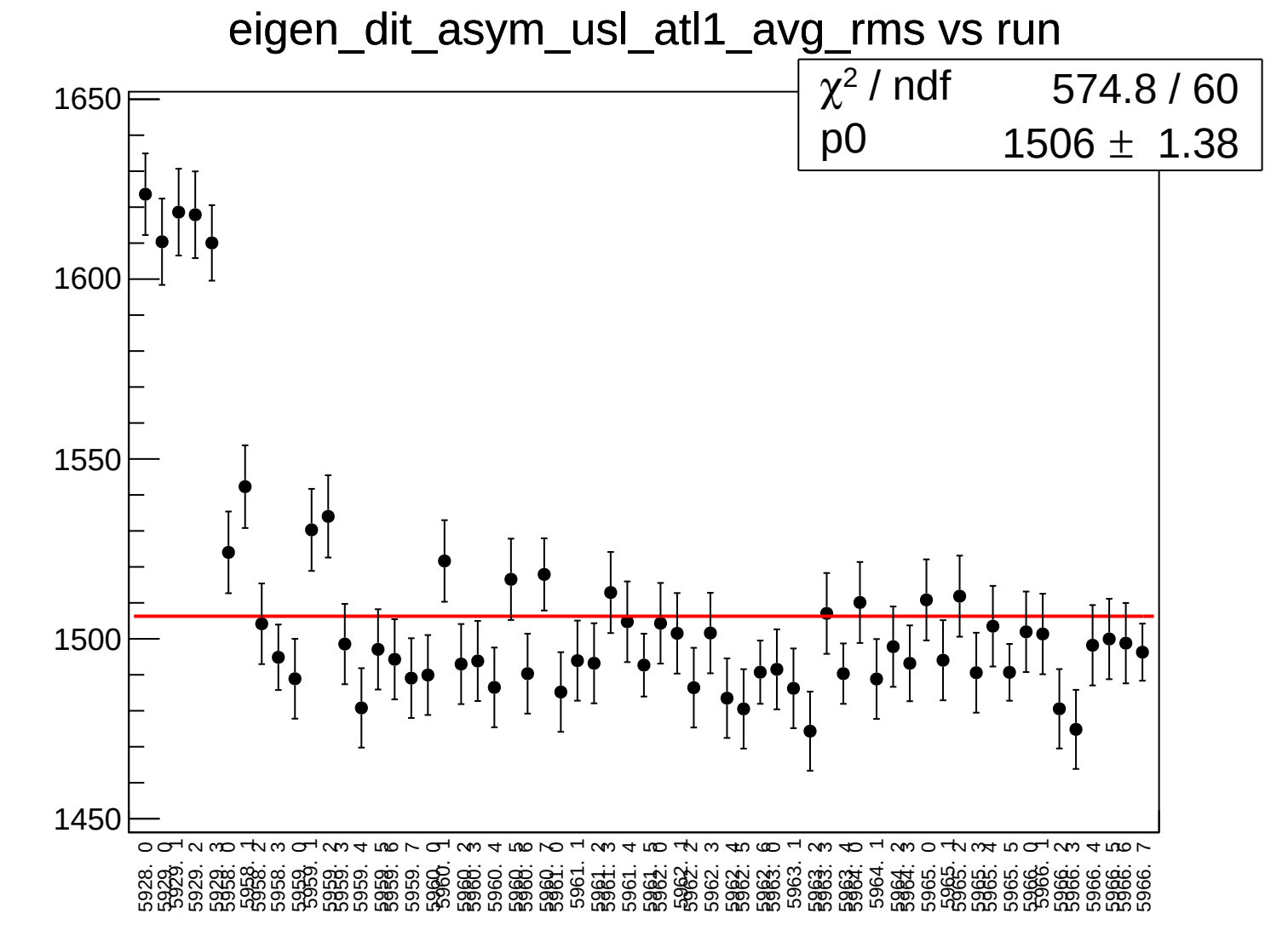

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 574.8 / 60
p0 1506 ± 1.38
1650
1600
1550
1500
1450

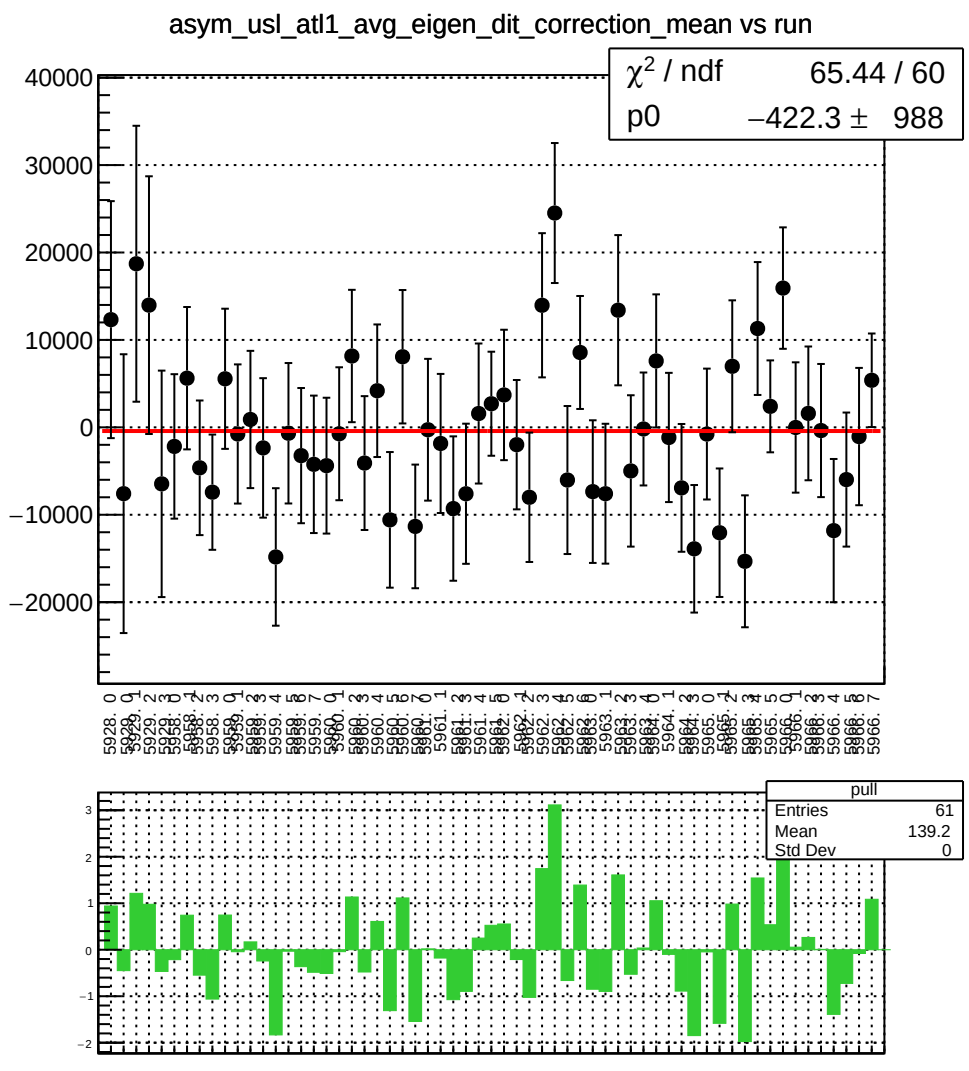

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 65.44 / 60
p0 −422.3 ± 988
pull
Entries 61
Mean 139.2
Std Dev 0

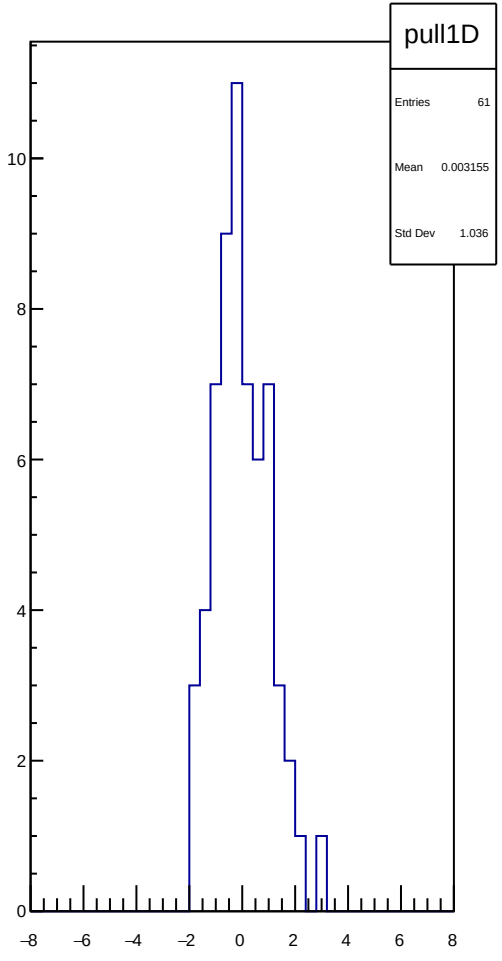

pull1D
Entries 61
Mean 0.003156
Std Dev 1.036

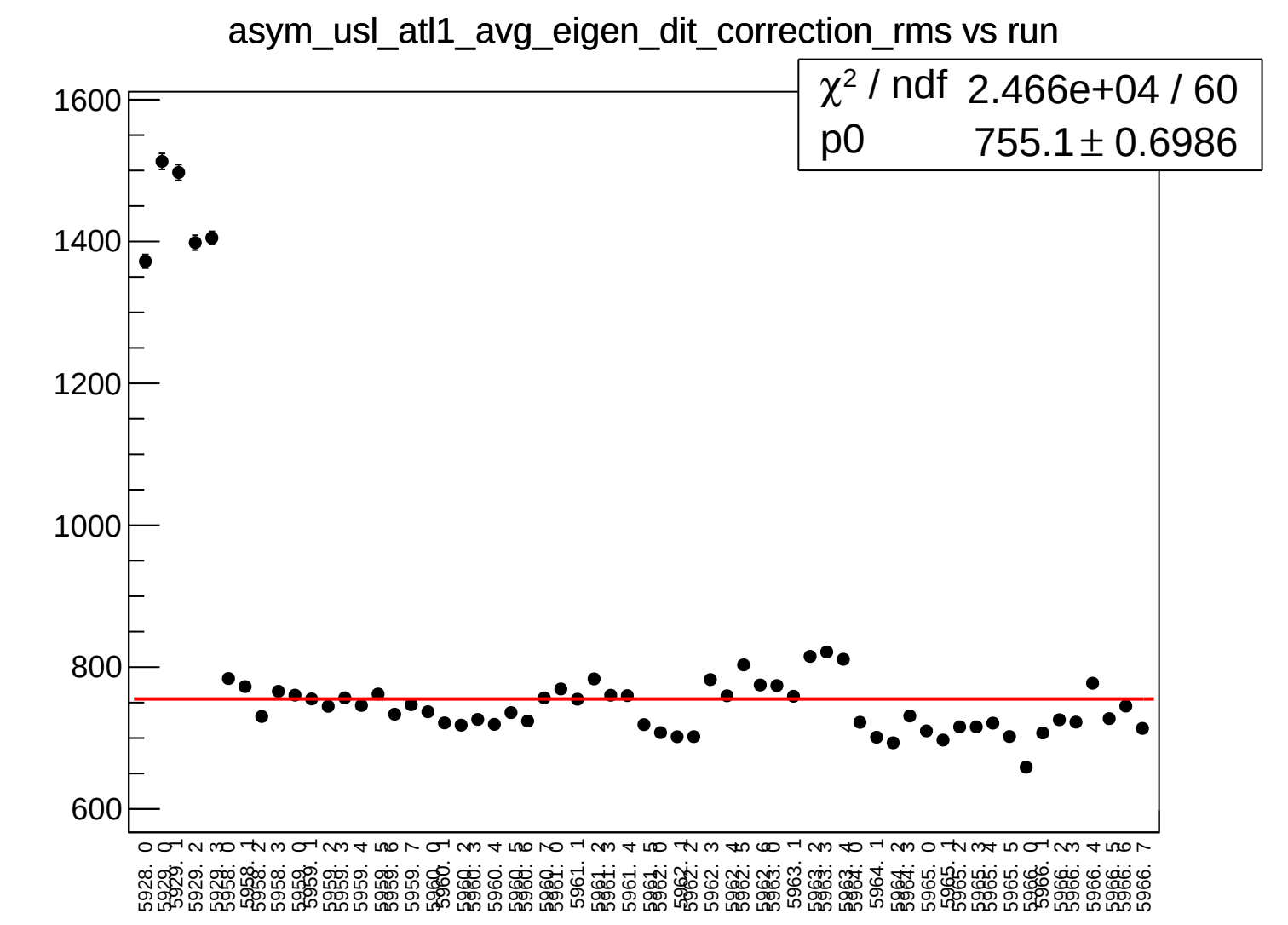

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2.466e+04 / 60
p0 755.1 ± 0.6986
1600
1400
1200
1000
800
600

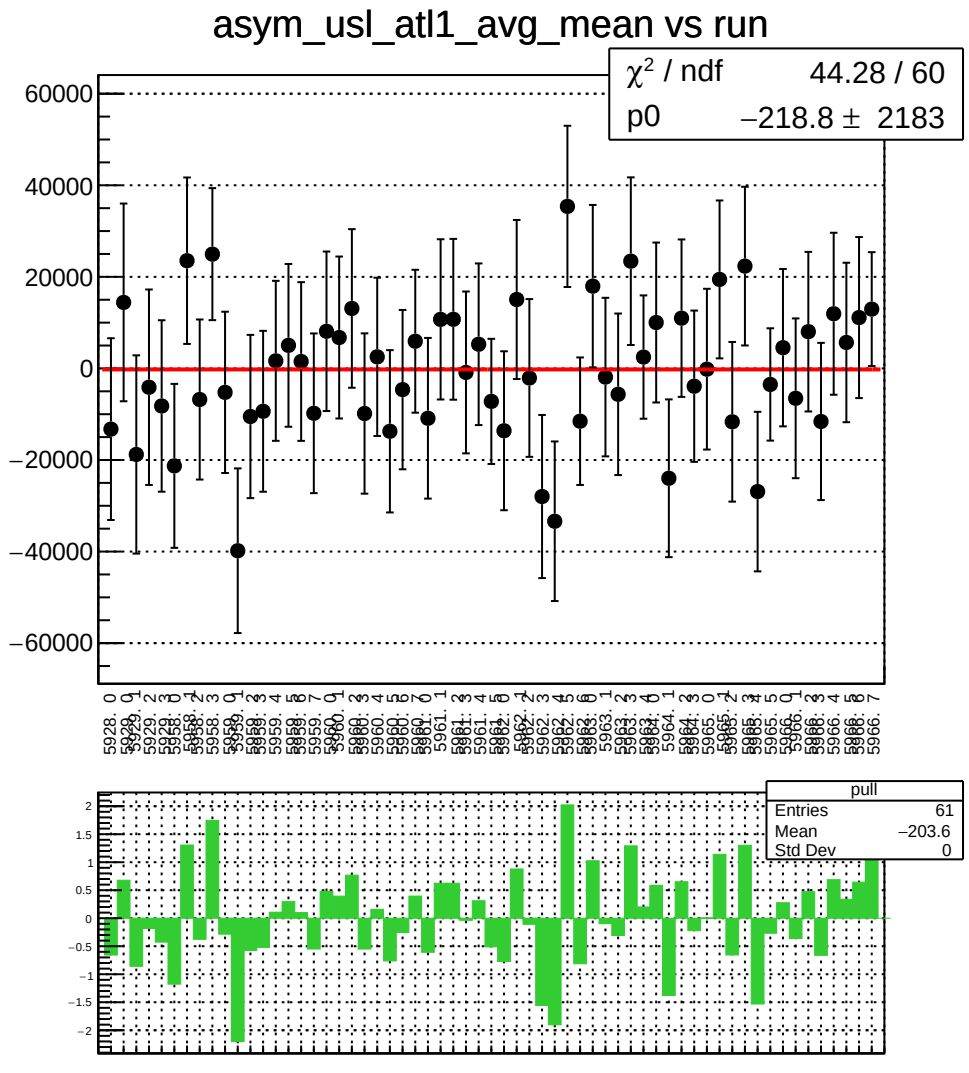

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 46.22 / 60
p0 −448.2 ± 1951
pull
Entries 61
Mean −177.6
Std Dev 0
pull1D
Entries 61
Mean −0.01153
Std Dev 0.8704

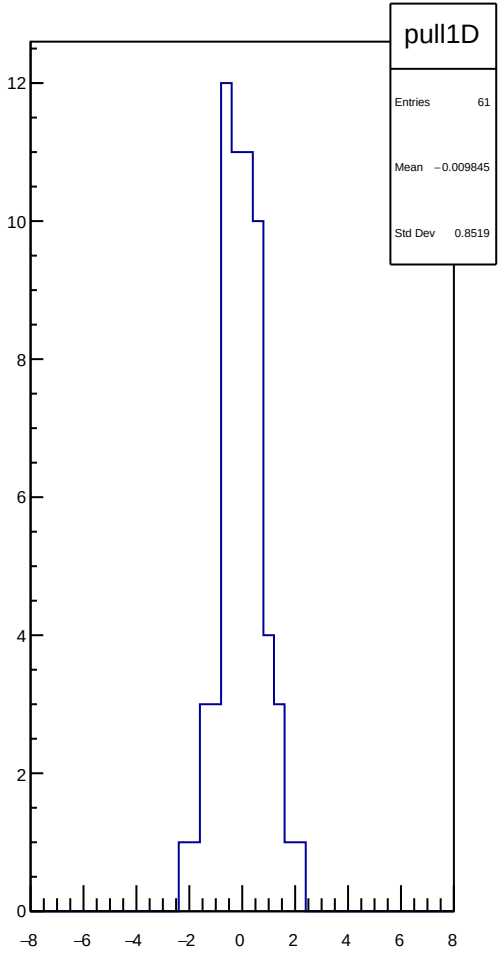

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 574.8 / 60
p0 1506 ± 1.38
1650
1600
1550
1500
1450

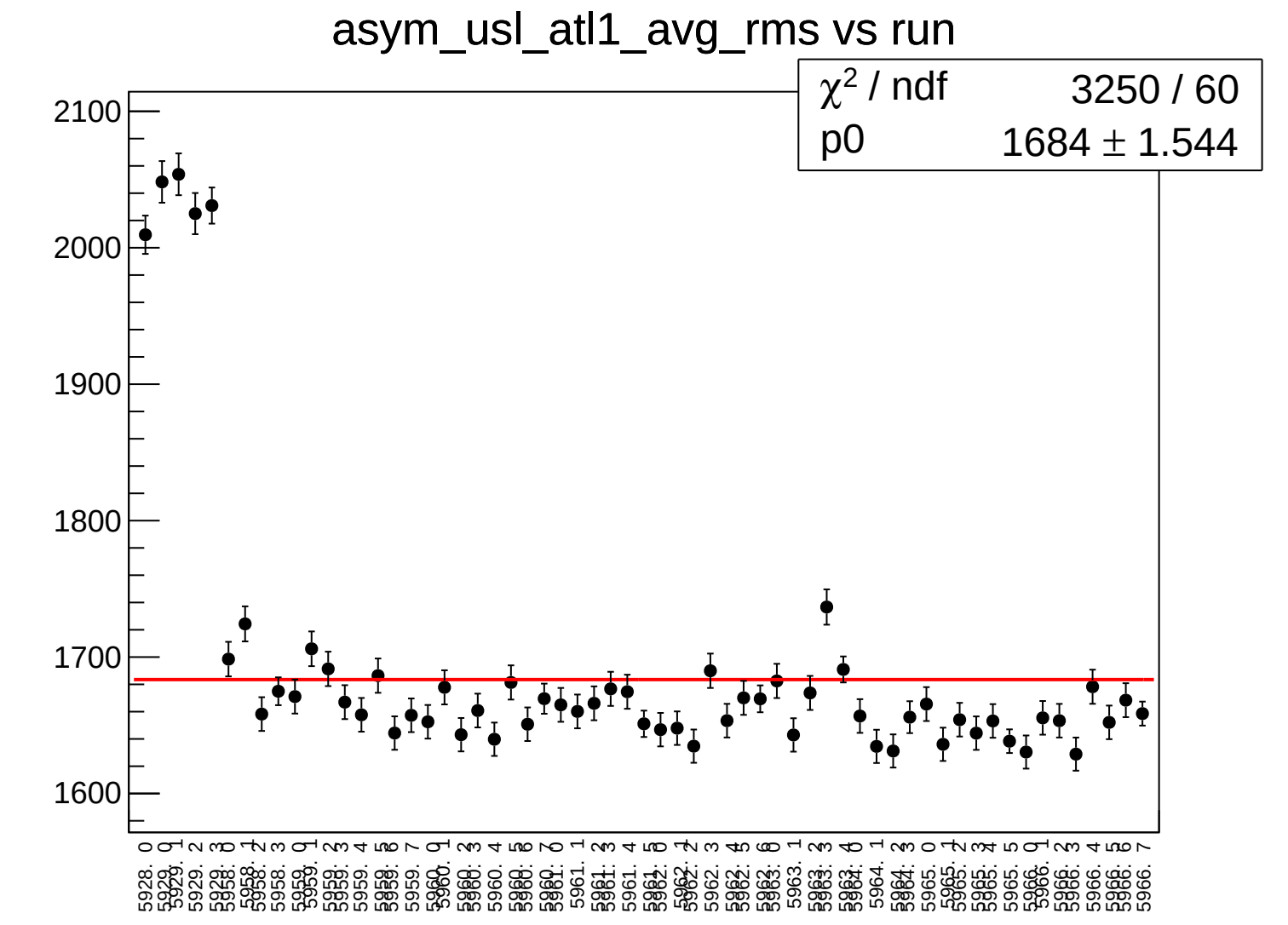

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.44 / 60
p0 −422.3 ± 988
pull
Entries 61
Mean 139.2
Std Dev 0

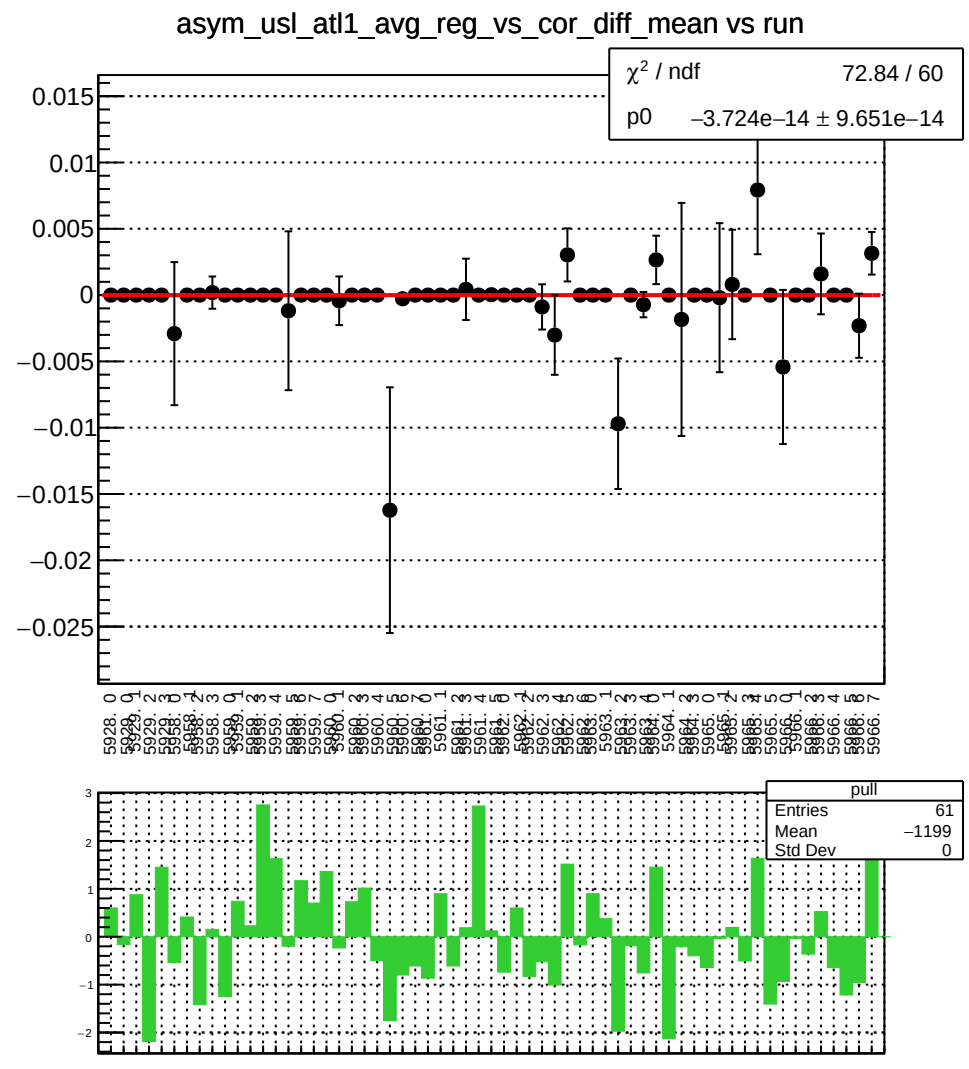

pull1D
Entries 61
Mean 0.003155
Std Dev 1.036

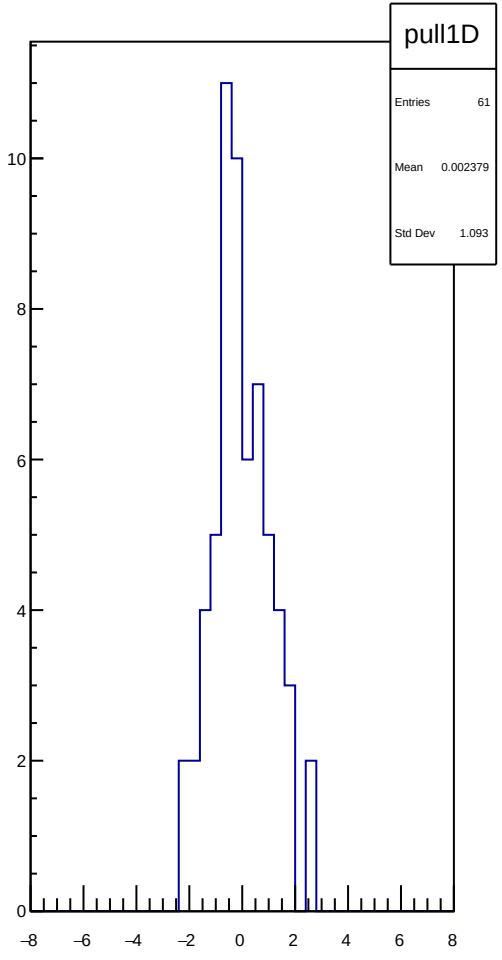

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.466e+04 / 60
p0 755.1 ± 0.6986
1600
1400
1200
1000
800
600

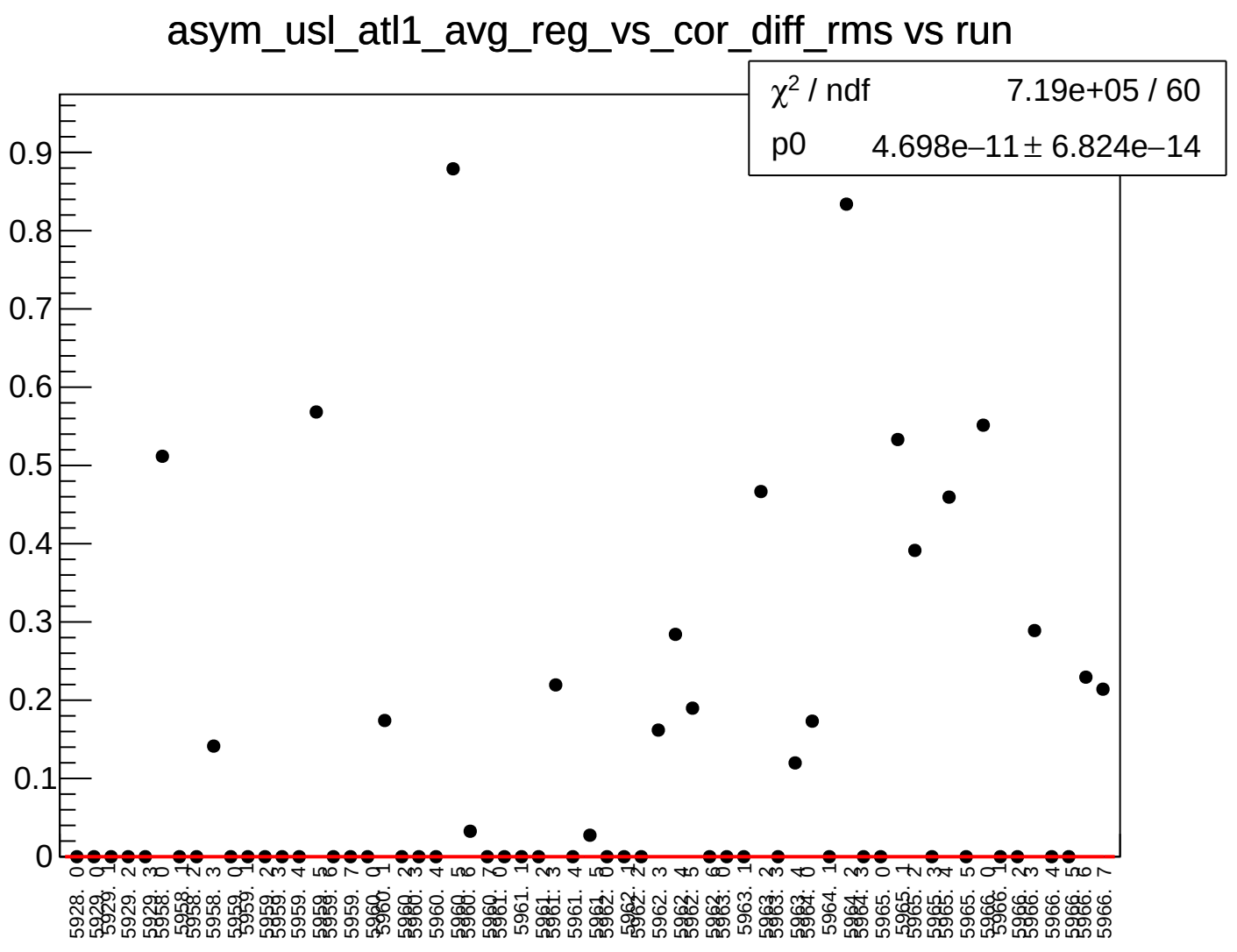

asym_usl_atl1_avg_mean vs run
χ² / ndf 44.28 / 60
p0 −218.8 ± 2183
pull
Entries 61
Mean −203.6
Std Dev 0

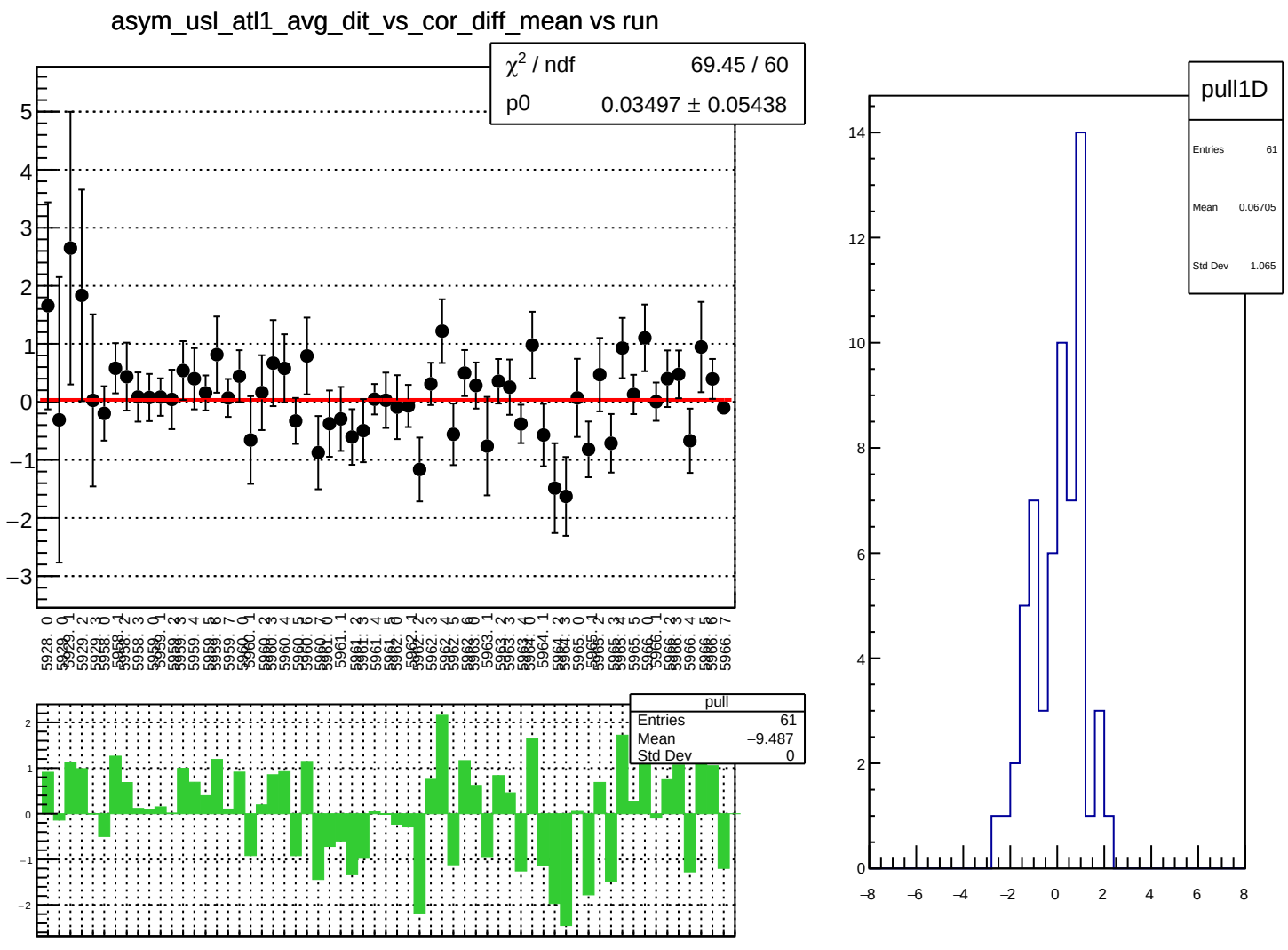

pull1D
Entries 61
Mean −0.009845
Std Dev 0.8519

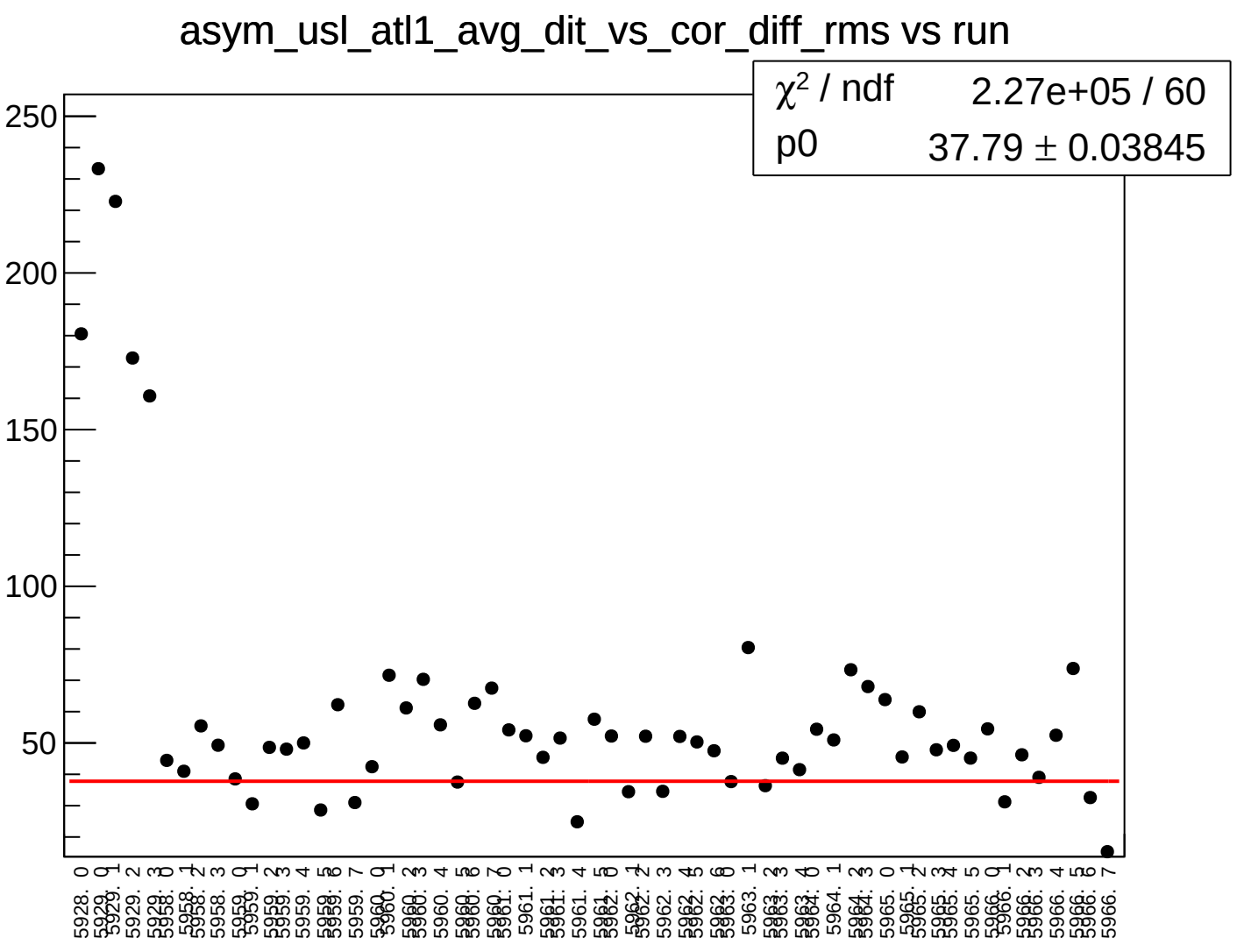

asym_usl_atl1_avg_rms vs run
χ² / ndf 3250 / 60
p0 1684 ± 1.544
2100
2000
1900
1800
1700
1600

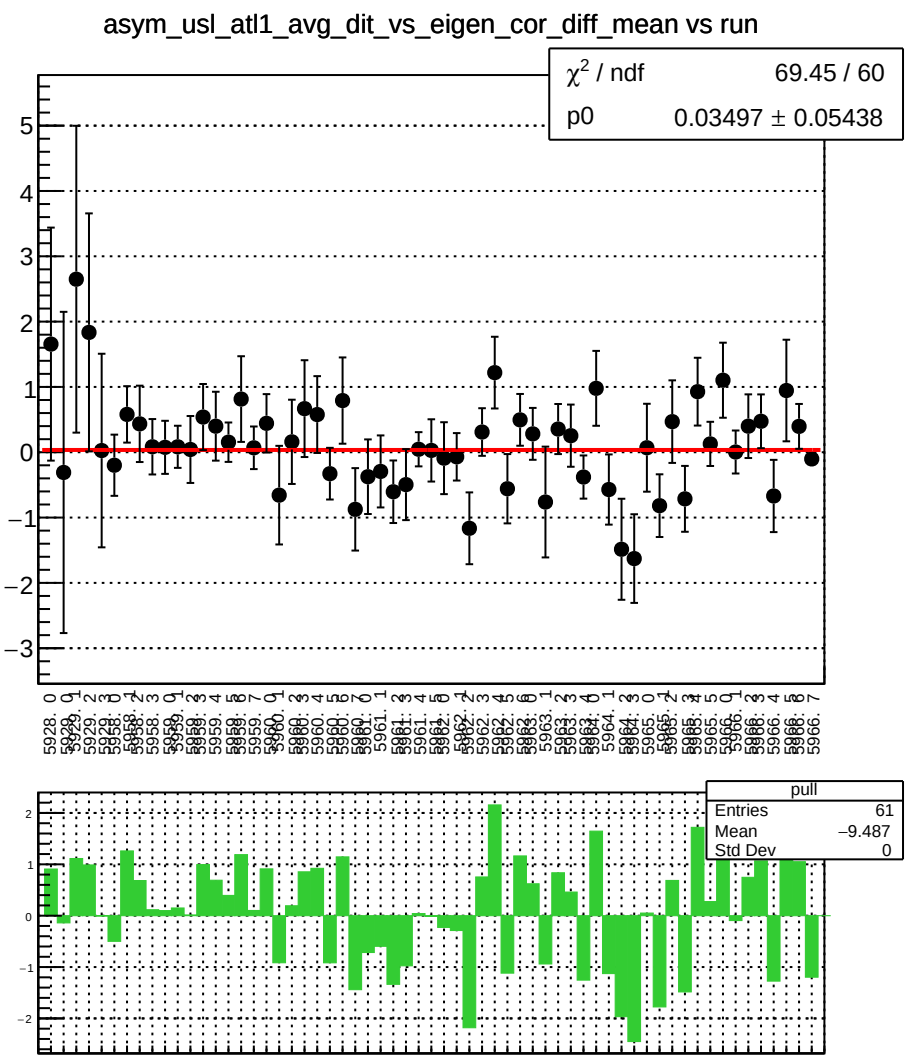

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 72.84 / 60
p0 −3.724e−14 ± 9.651e−14
pull
Entries 61
Mean −1199
Std Dev 0

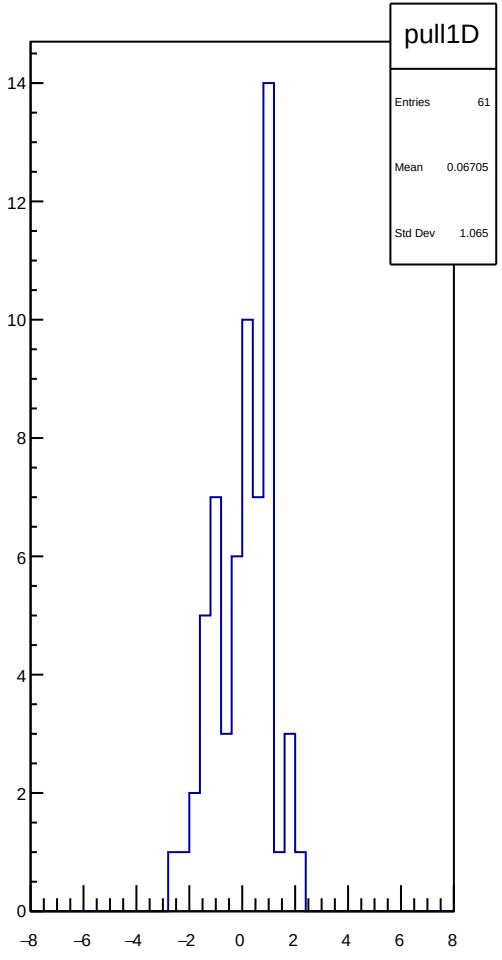

pull1D
Entries 61
Mean 0.002379
Std Dev 1.093

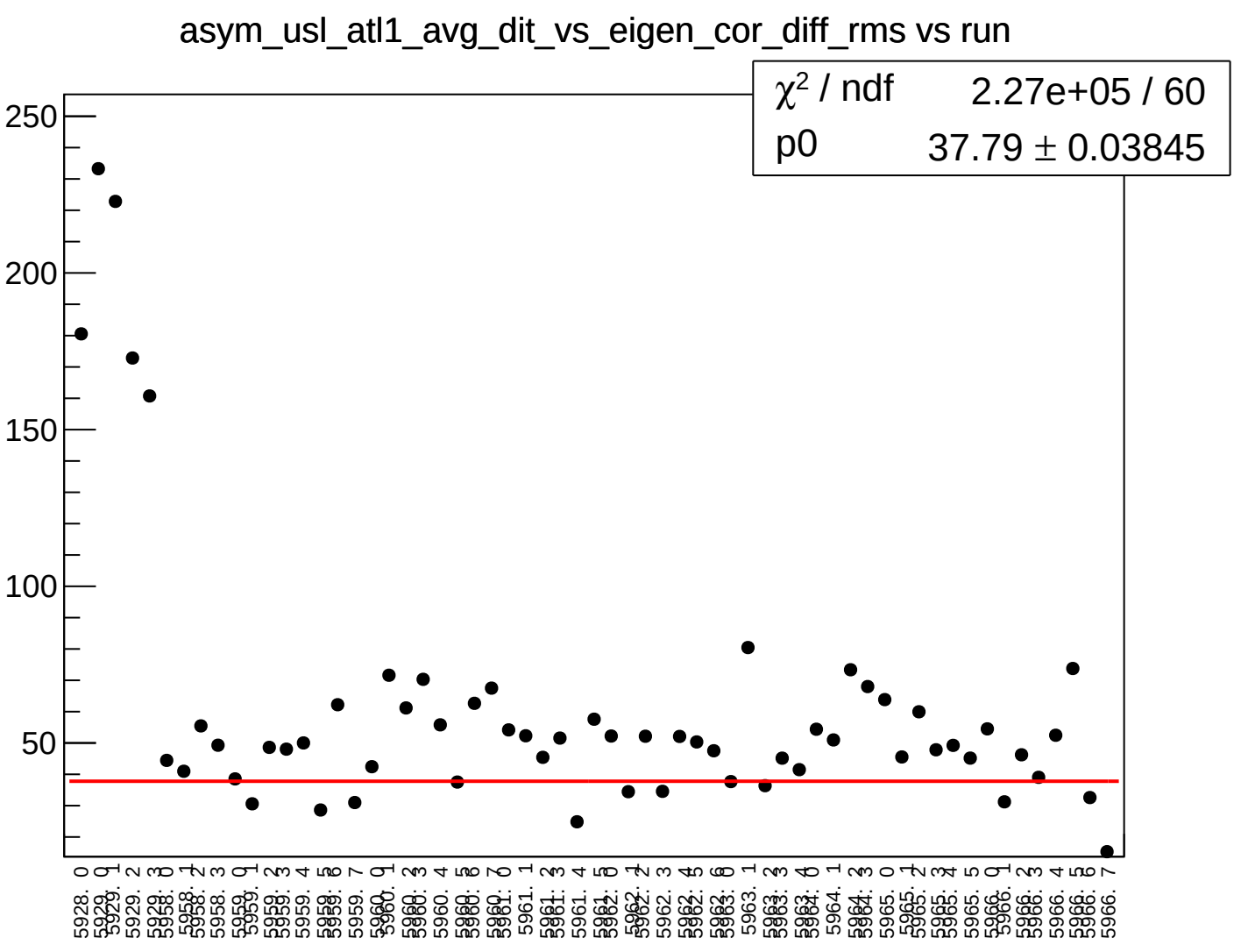

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.19e+05 / 60
p0 4.698e−11 ± 6.824e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

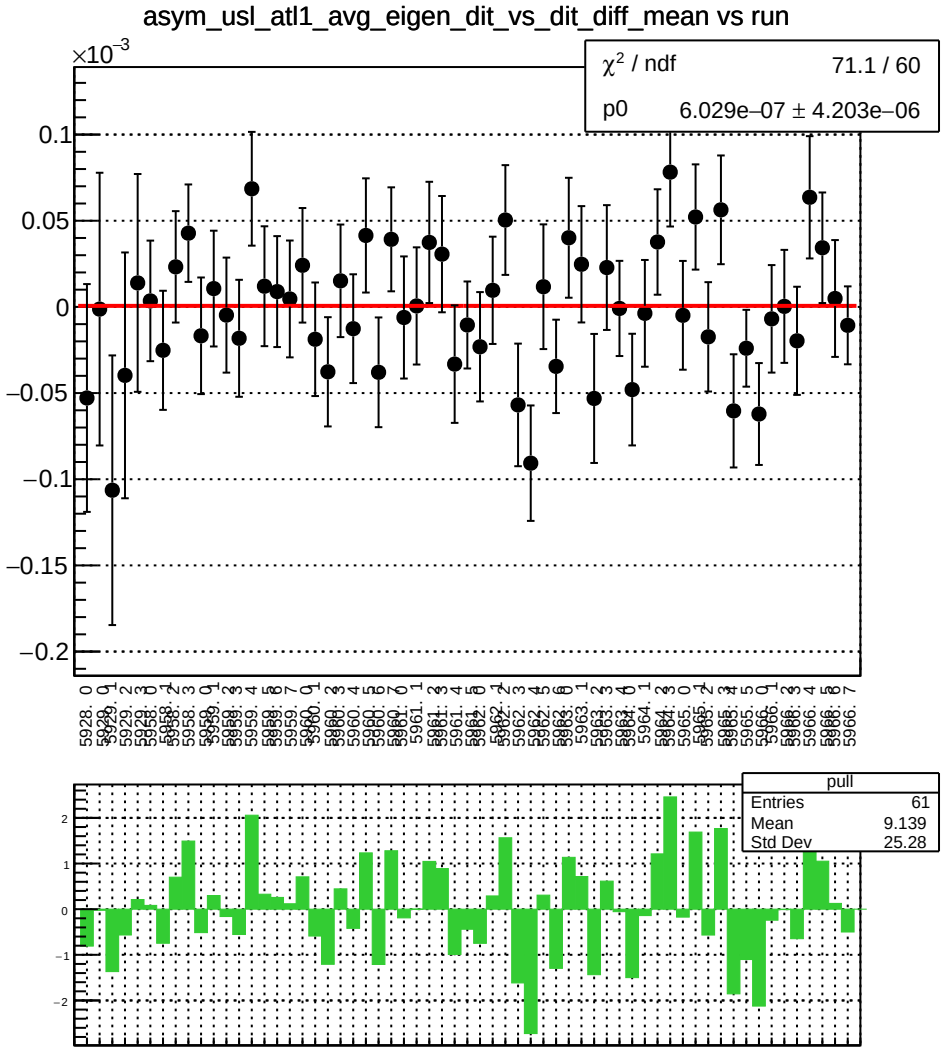

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.45 / 60
p0 0.03497 ± 0.05438
pull
Entries 61
Mean −9.487
Std Dev 0
pull1D
Entries 61
Mean 0.06705
Std Dev 1.065

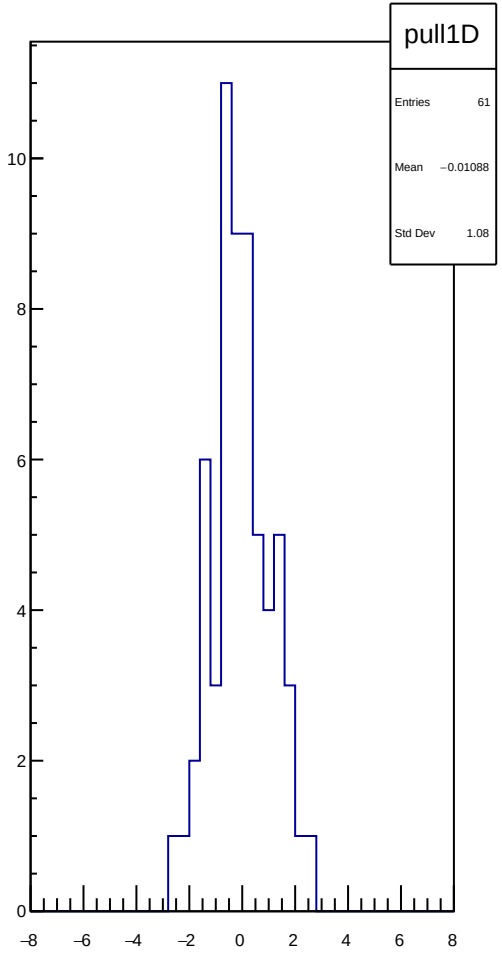

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.27e+05 / 60
p0 37.79 ± 0.03845
250
200
150
100
50

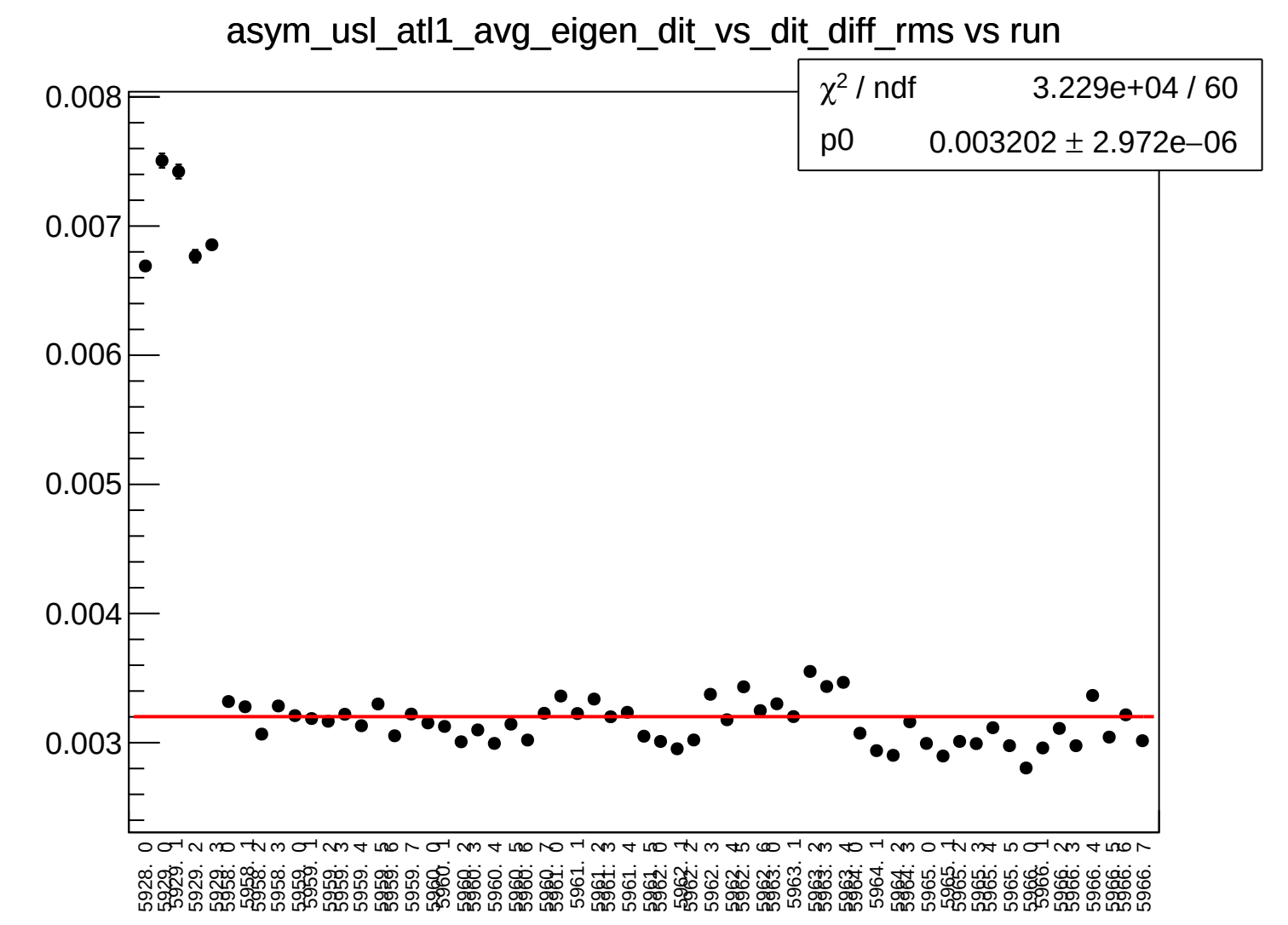

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.45 / 60
p0 0.03497 ± 0.05438
pull
Entries 61
Mean −9.487
Std Dev 0

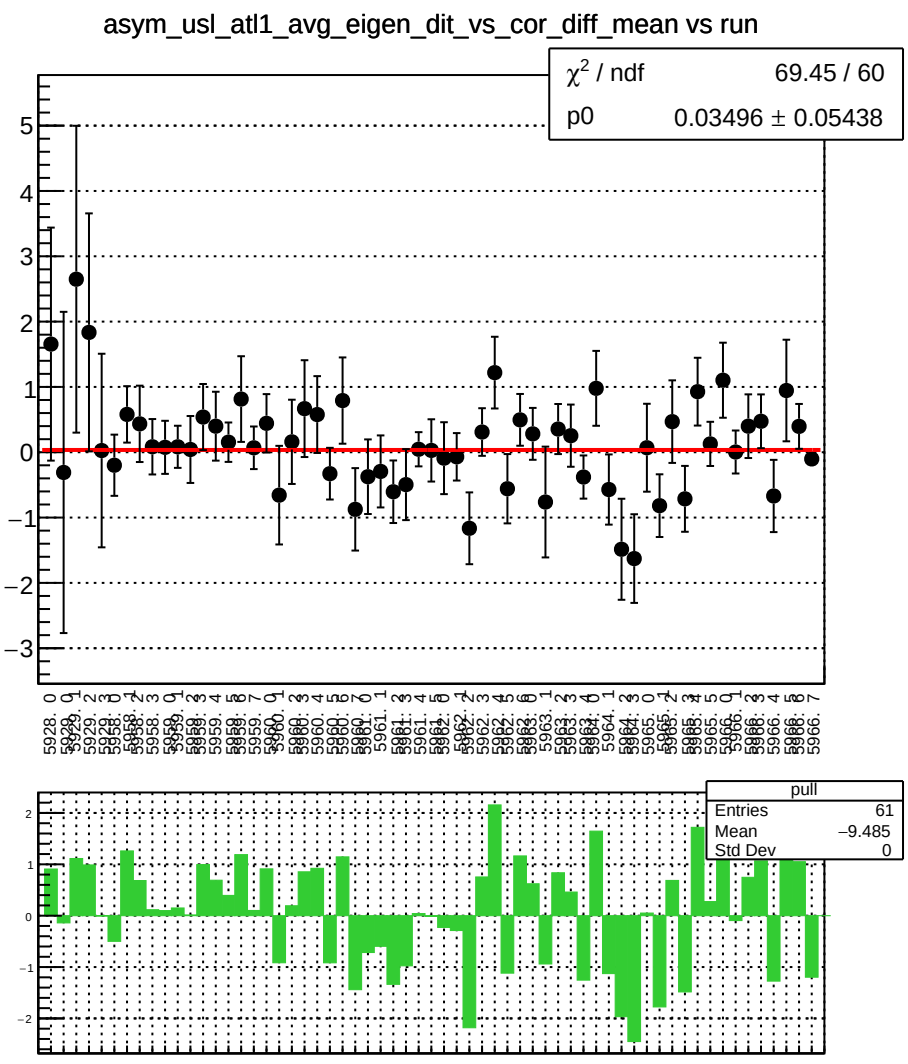

pull1D
Entries 61
Mean 0.06705
Std Dev 1.065

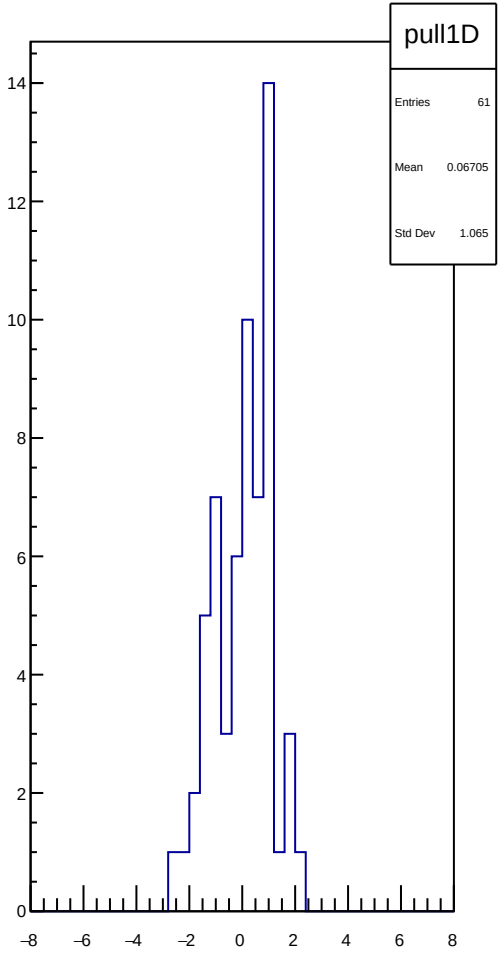

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.27e+05 / 60
p0 37.79 ± 0.03845
250
200
150
100
50

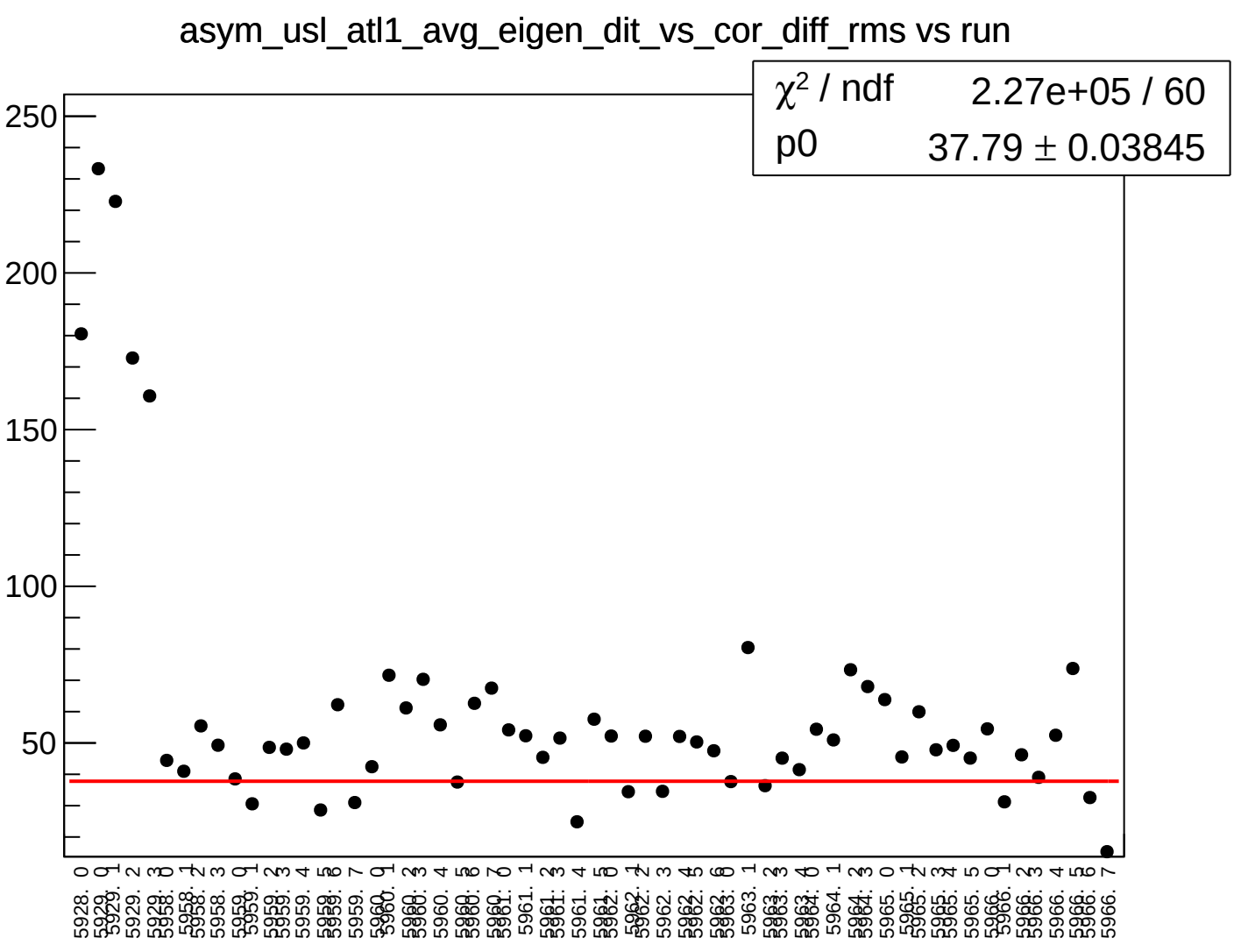

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 71.1 / 60
p0 6.029e−07 ± 4.203e−06
pull
Entries 61
Mean 9.139
Std Dev 25.28

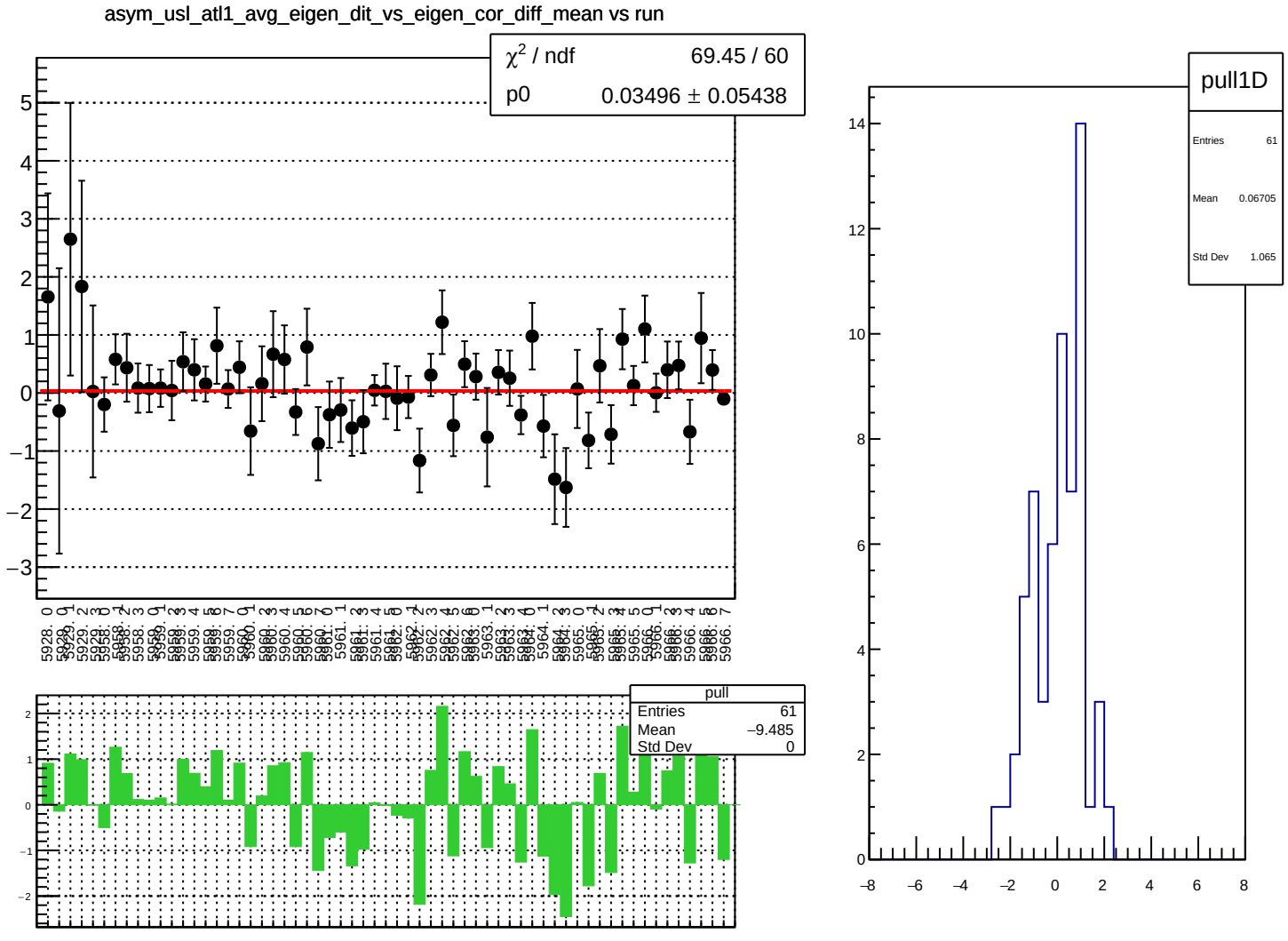

pull1D
Entries 61
Mean −0.01088
Std Dev 1.08

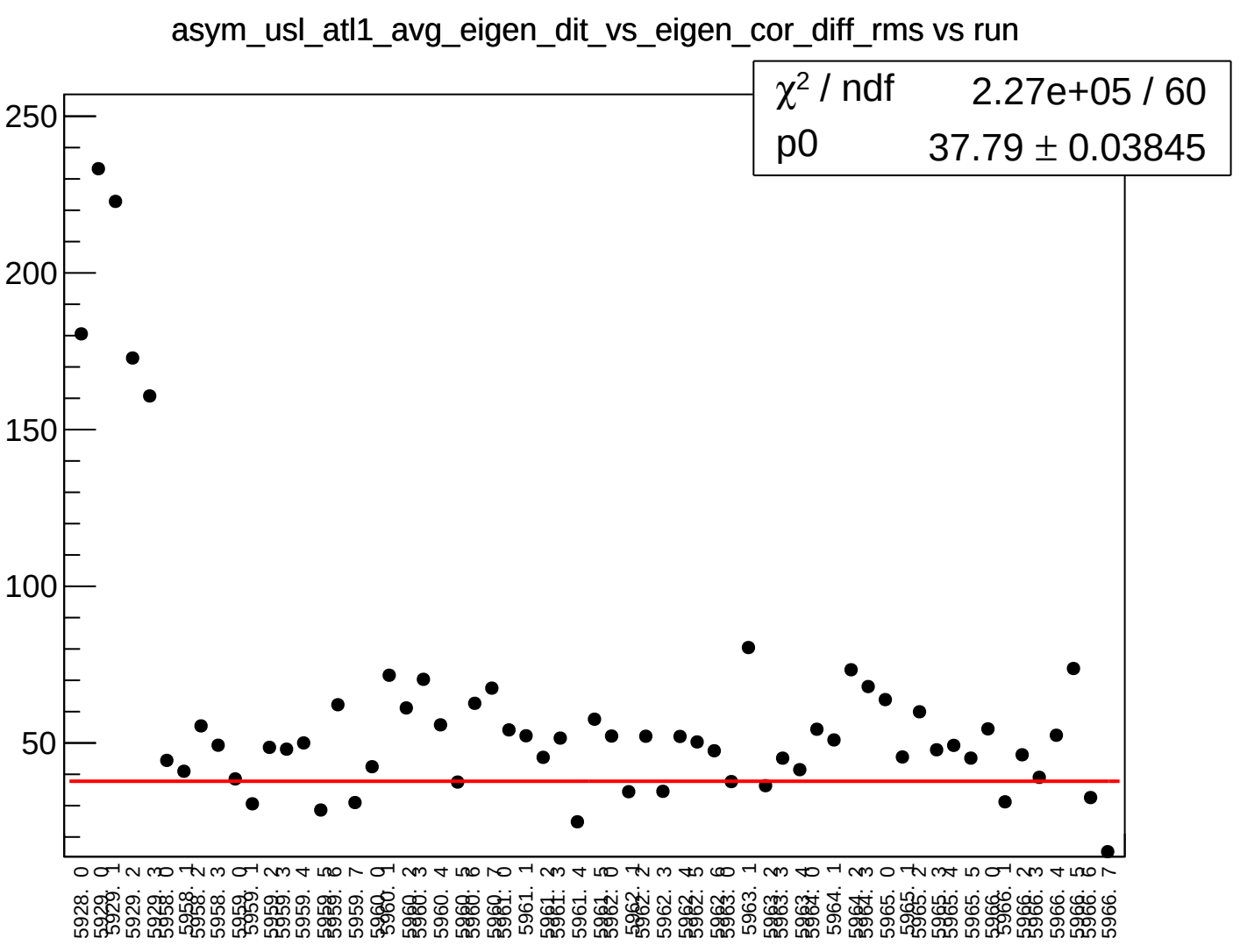

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.229e+04 / 60
p0 0.003202 ± 2.972e−06
0.008
0.007
0.006
0.005
0.004
0.003

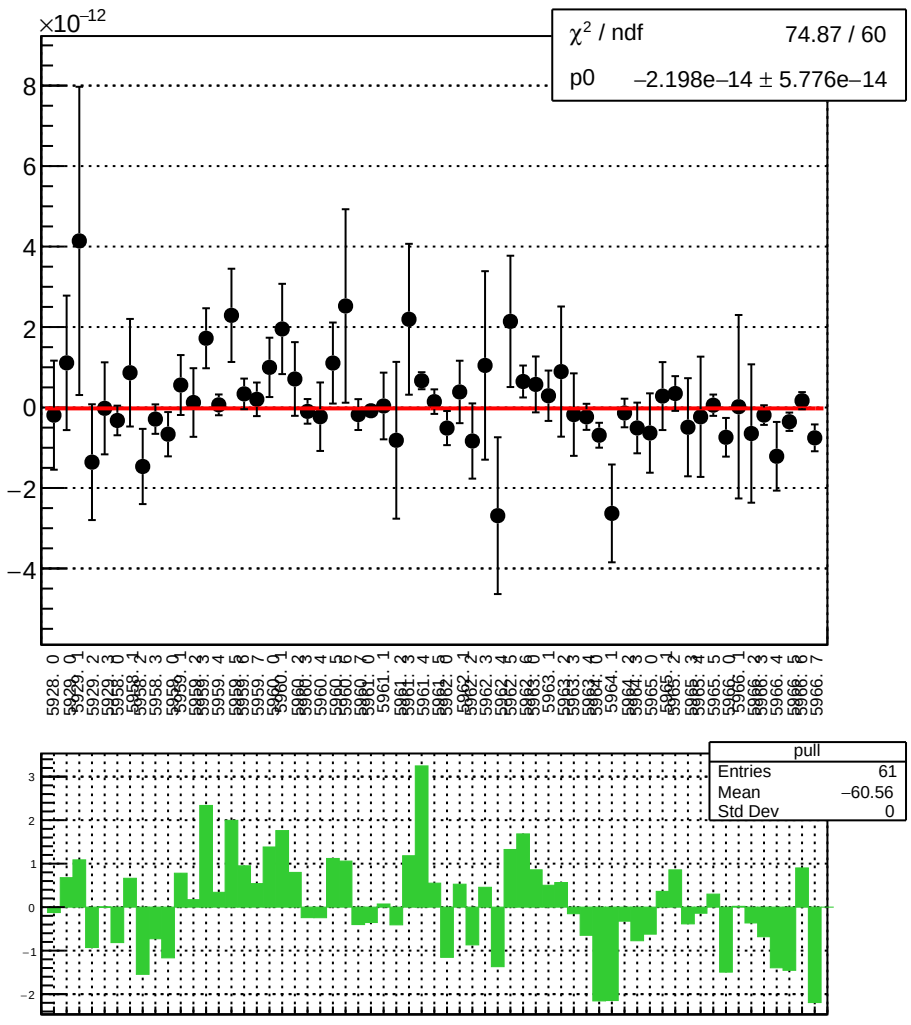

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.45 / 60
p0 0.03496 ± 0.05438
pull
Entries 61
Mean −9.485
Std Dev 0

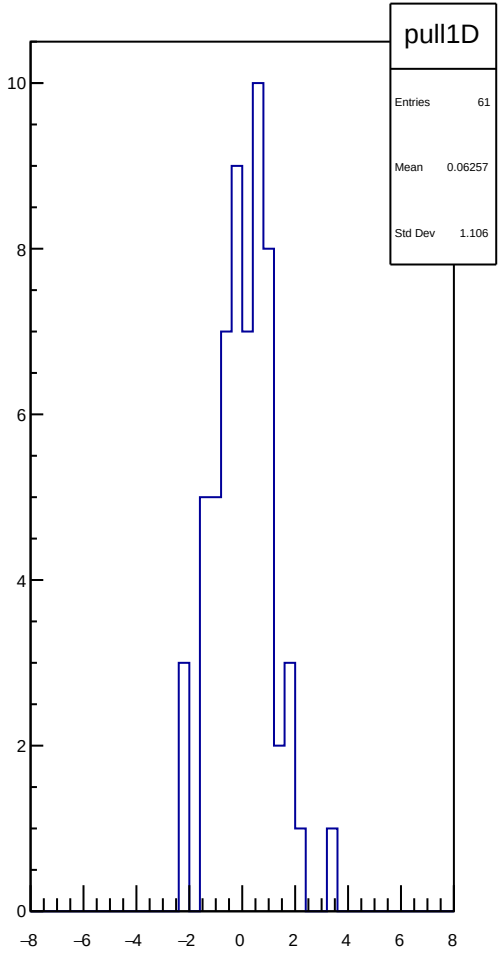

pull1D
Entries 61
Mean 0.06705
Std Dev 1.065

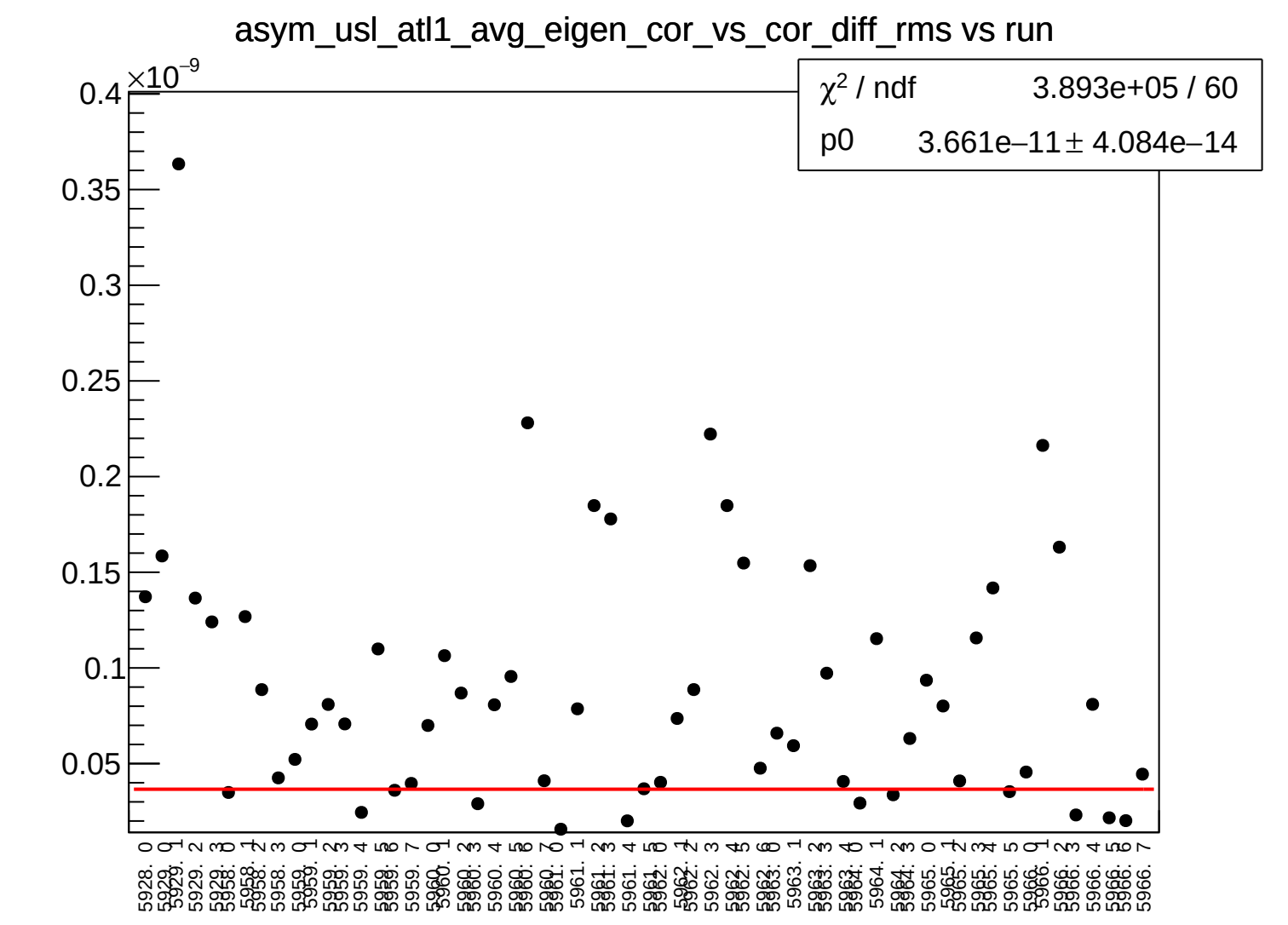

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.27e+05 / 60
p0 37.79 ± 0.03845
250
200
150
100
50

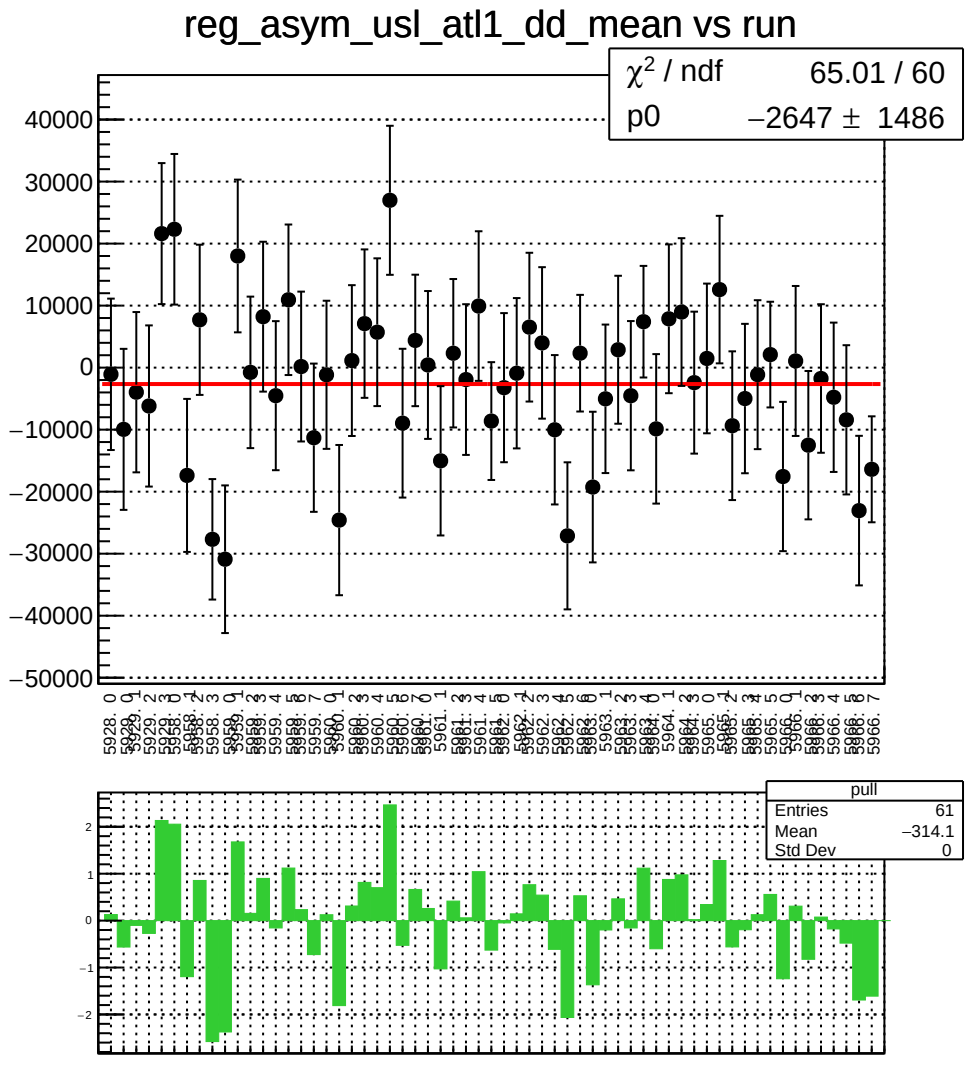

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.45 / 60
p0 0.03496 ± 0.05438
pull
Entries 61
Mean −9.485
Std Dev 0
pull1D
Entries 61
Mean 0.06705
Std Dev 1.065

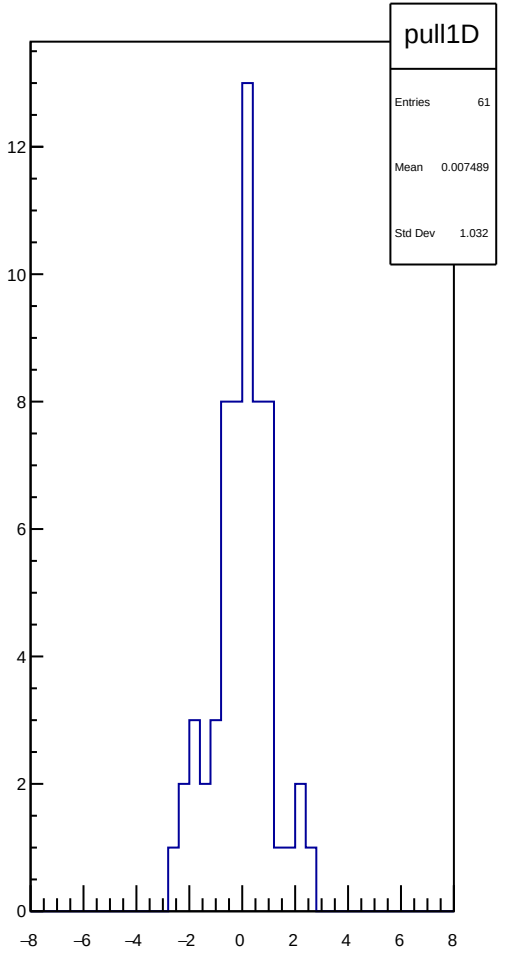

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.27e+05 / 60
p0 37.79 ± 0.03845
250
200
150
100
50

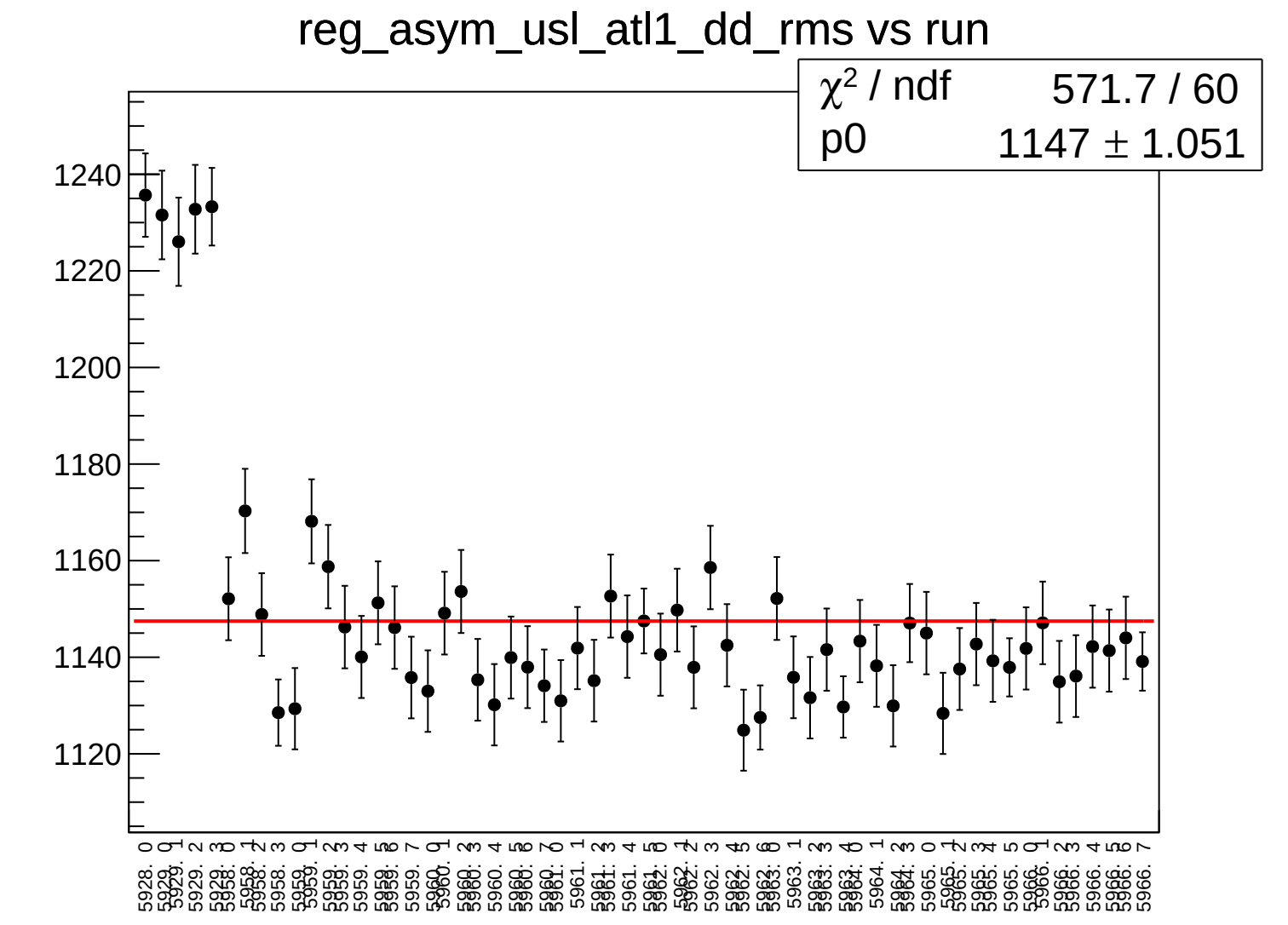

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 74.87 / 60
p0 −2.198e−14 ± 5.776e−14
pull
Entries 61
Mean −60.56
Std Dev 0

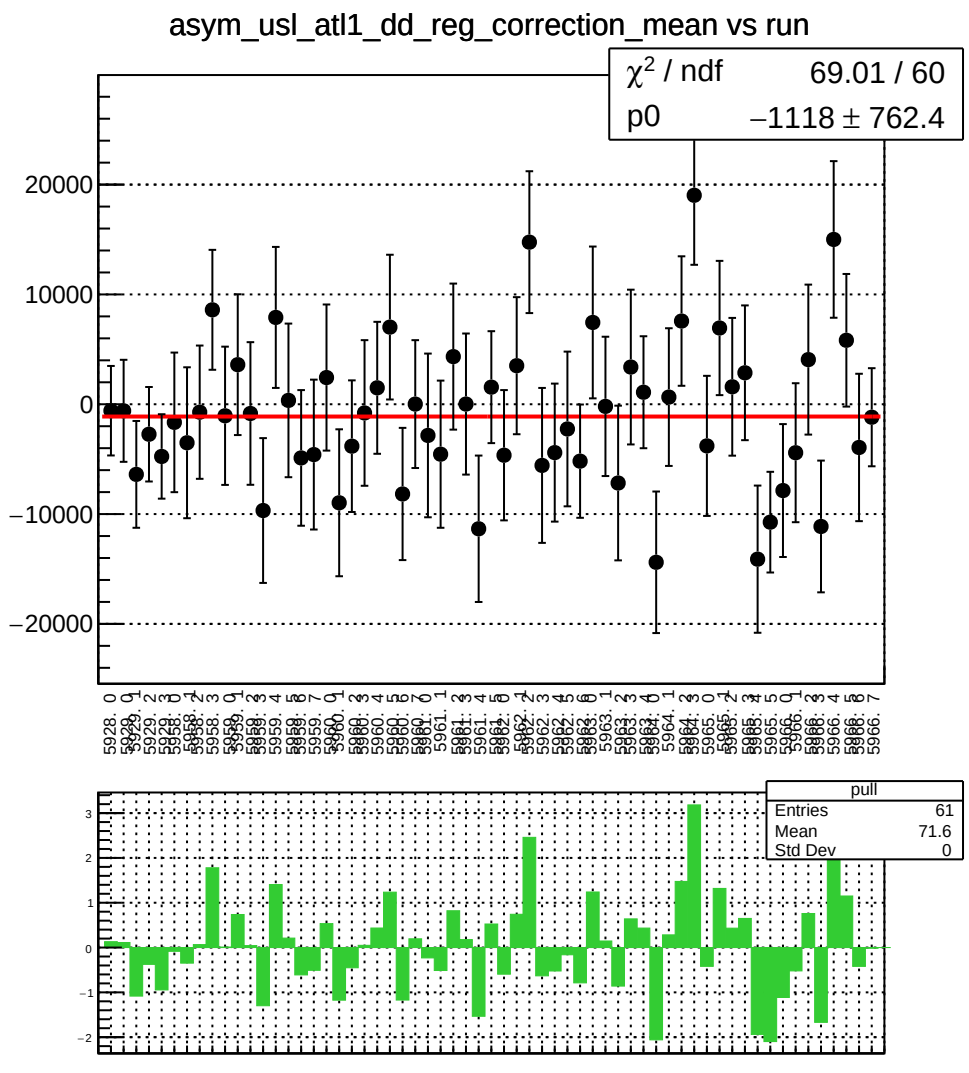

pull1D
Entries 61
Mean 0.06257
Std Dev 1.106

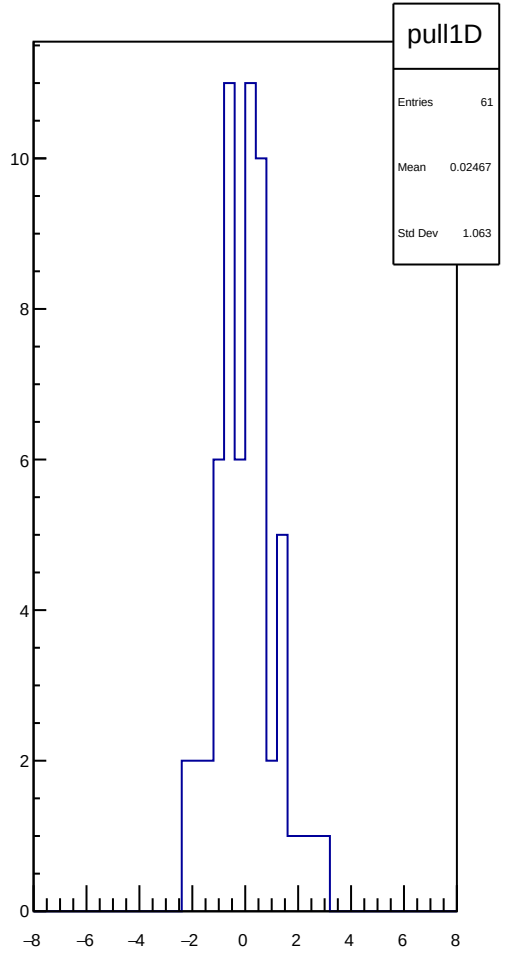

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
χ^2 / ndf 3.893e+05 / 60
p0 3.661e−11 ± 4.084e−14
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

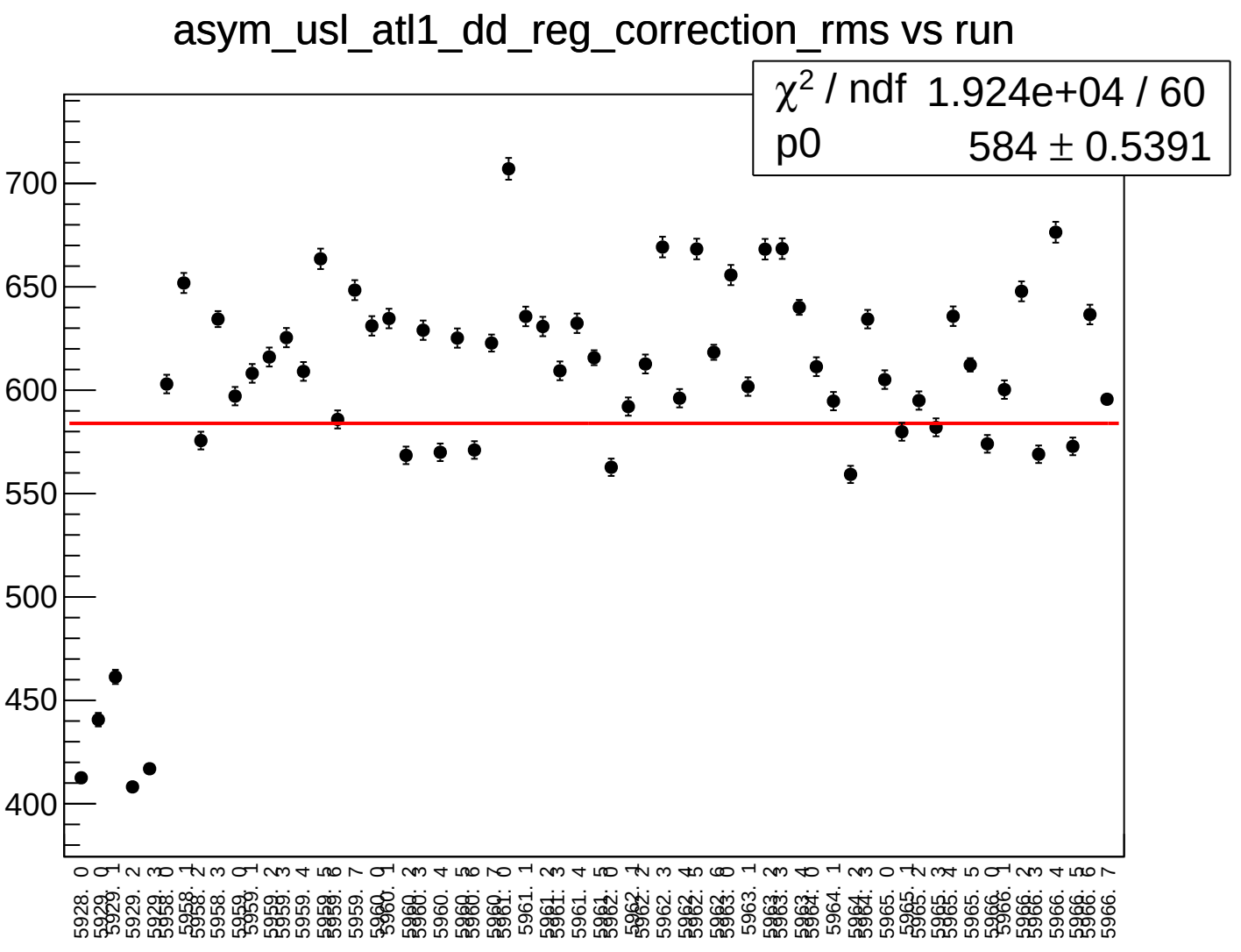

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 65.01 / 60
p0 −2647 ± 1486
pull
Entries 61
Mean −314.1
Std Dev 0

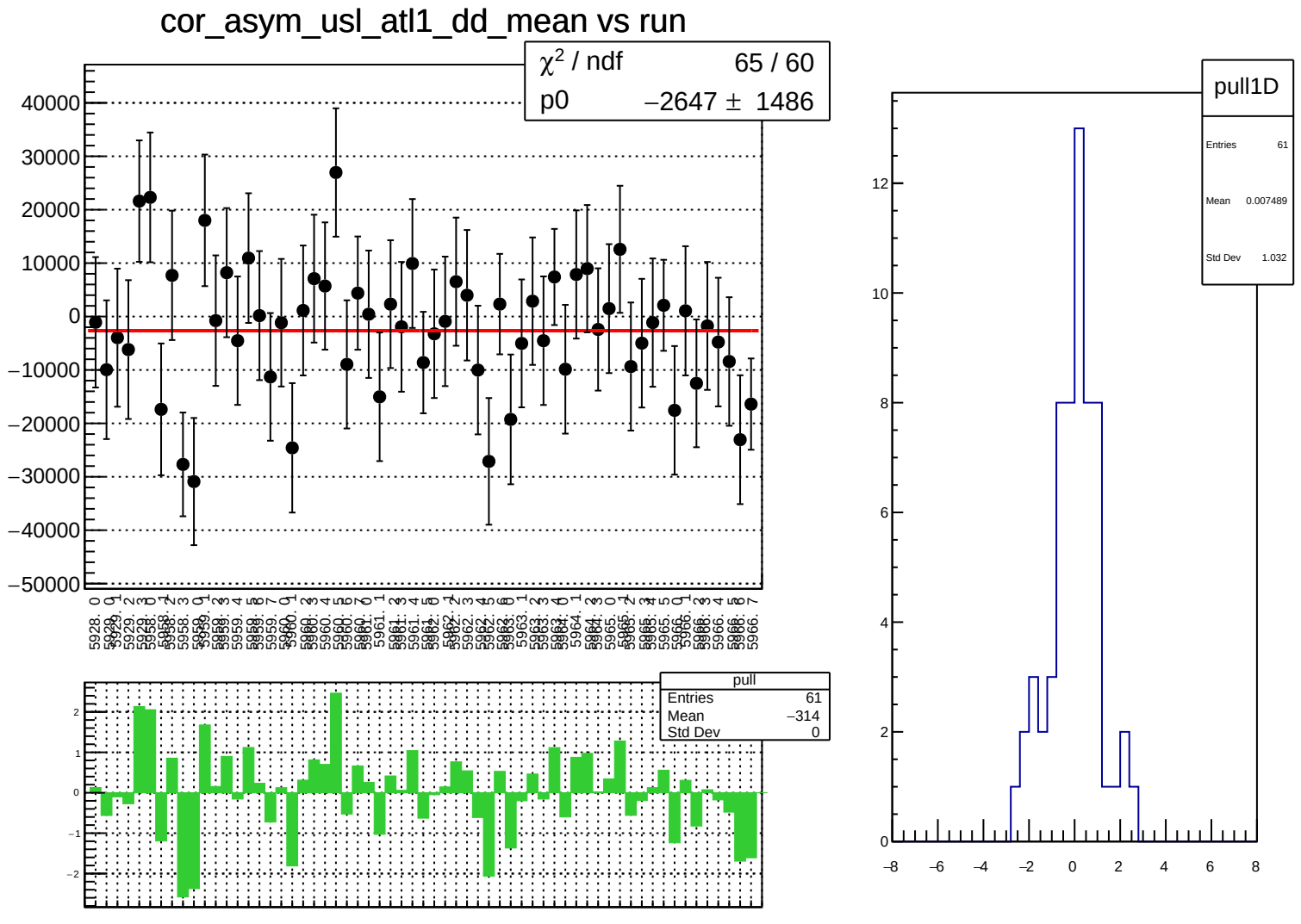

pull1D
Entries 61
Mean 0.007489
Std Dev 1.032

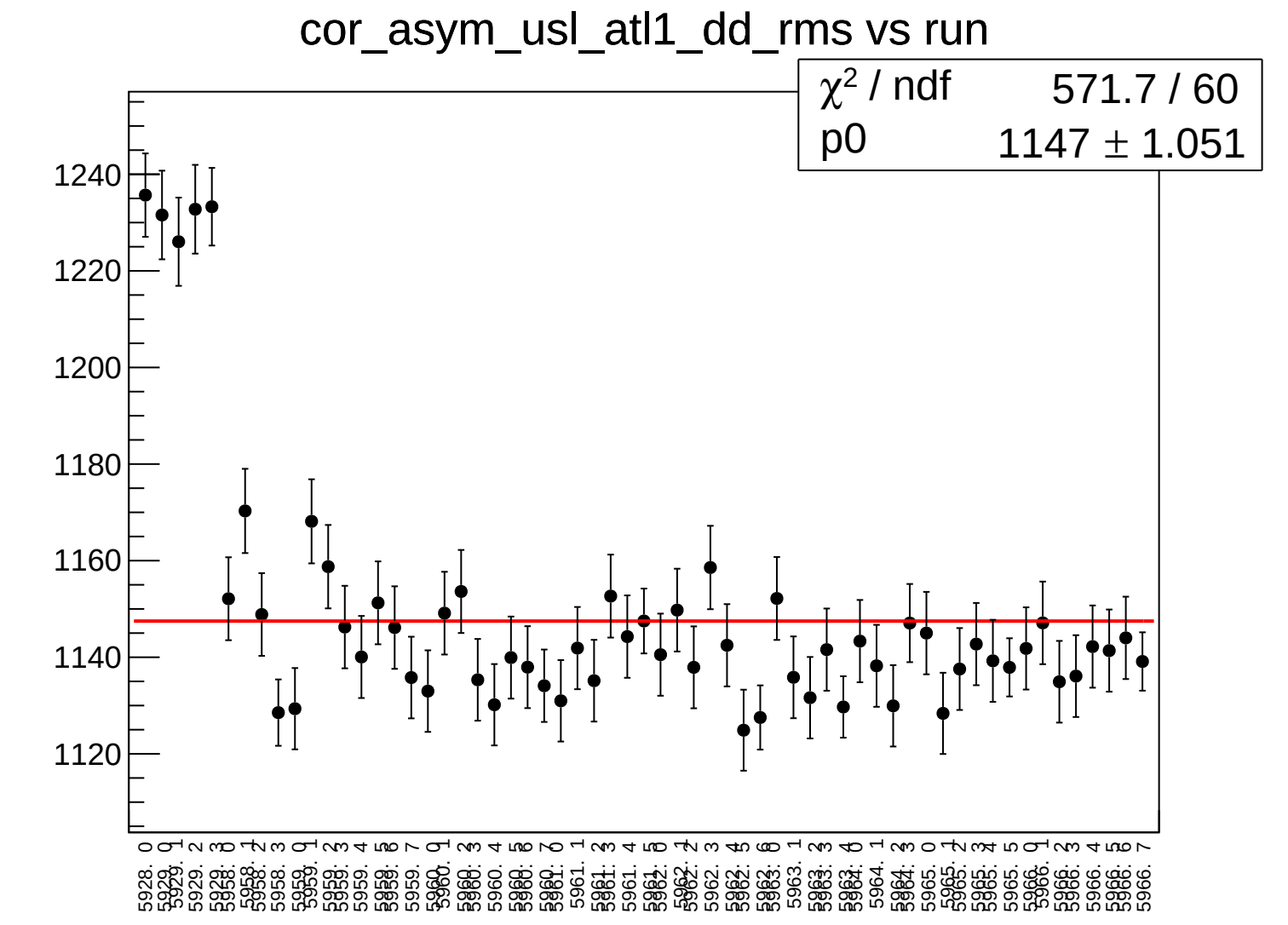

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 571.7 / 60
p0 1147 ± 1.051
1240
1220
1200
1180
1160
1140
1120

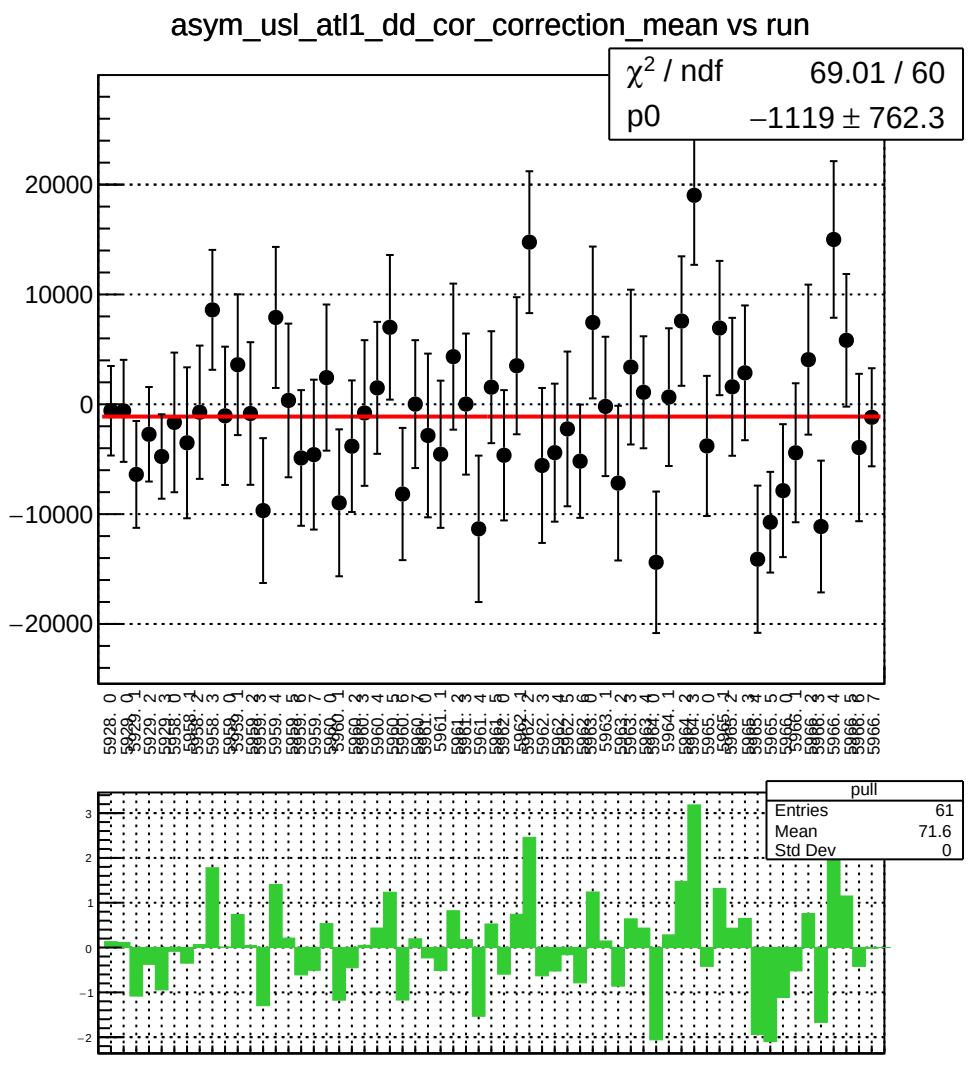

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 69.01 / 60
p0 −1118 ± 762.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 71.6
Std Dev 0
3
2
1
0
−1
−2

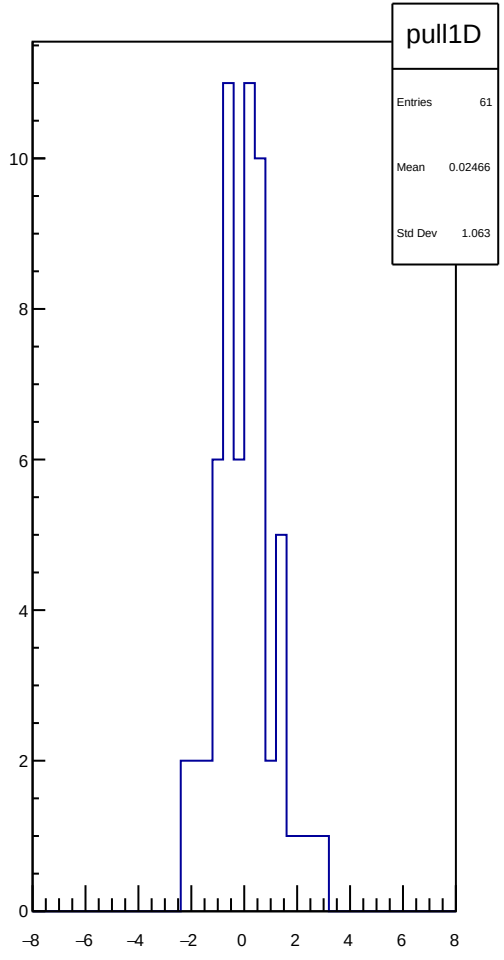

pull1D
Entries 61
Mean 0.02467
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

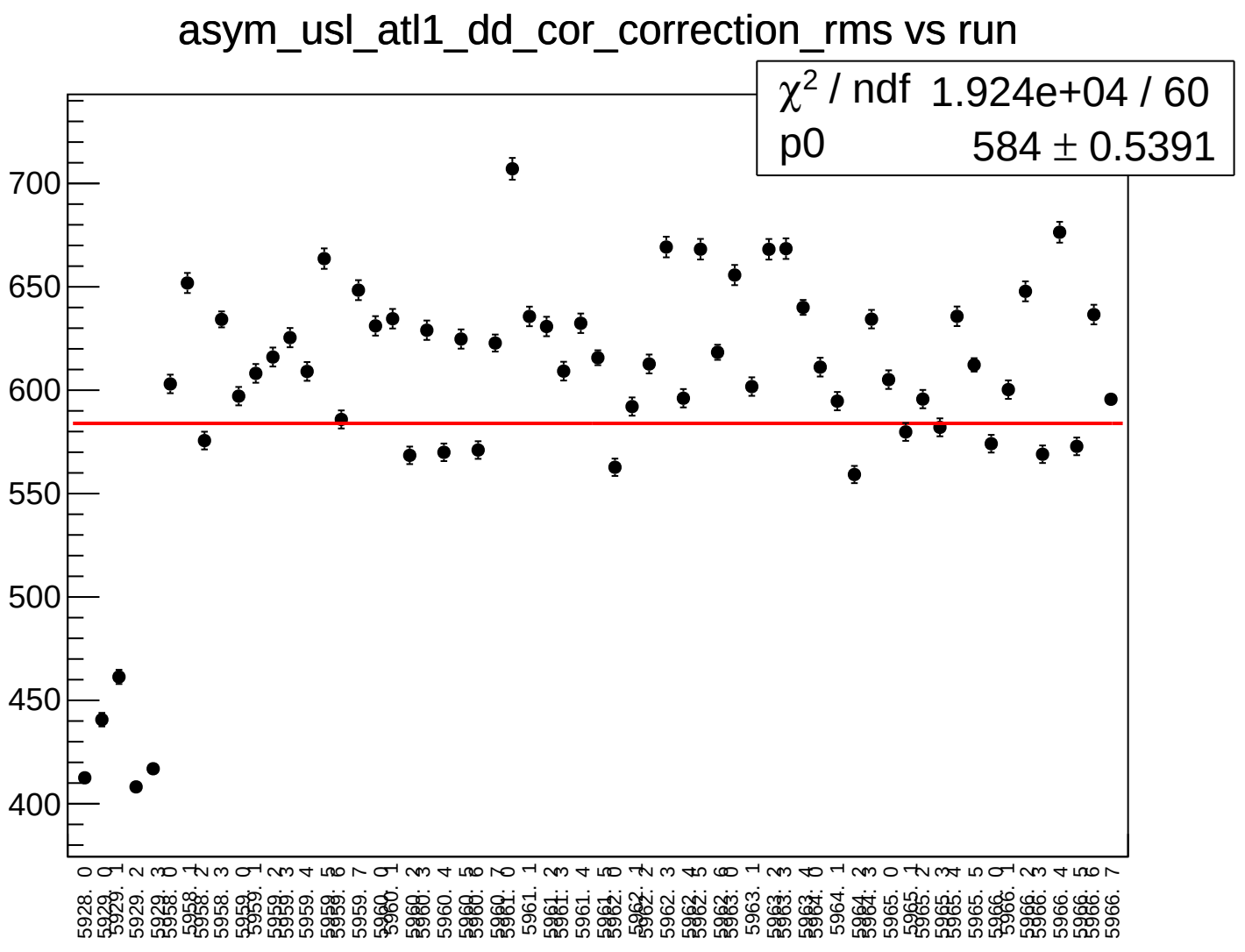

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1.924e+04 / 60
p0 584 ± 0.5391
700
650
600
550
500
450
400

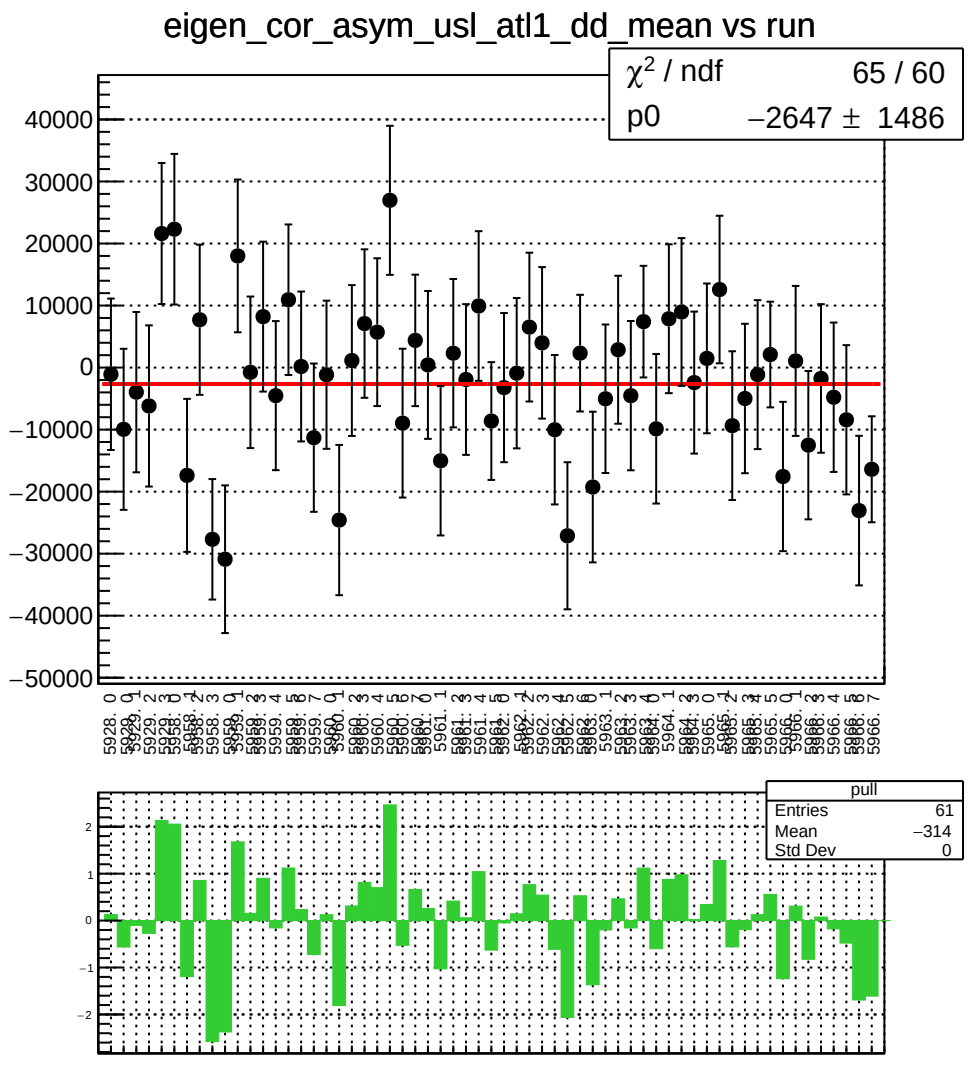

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 65 / 60
p0 −2647 ± 1486
pull
Entries 61
Mean −314
Std Dev 0
pull1D
Entries 61
Mean 0.007489
Std Dev 1.032

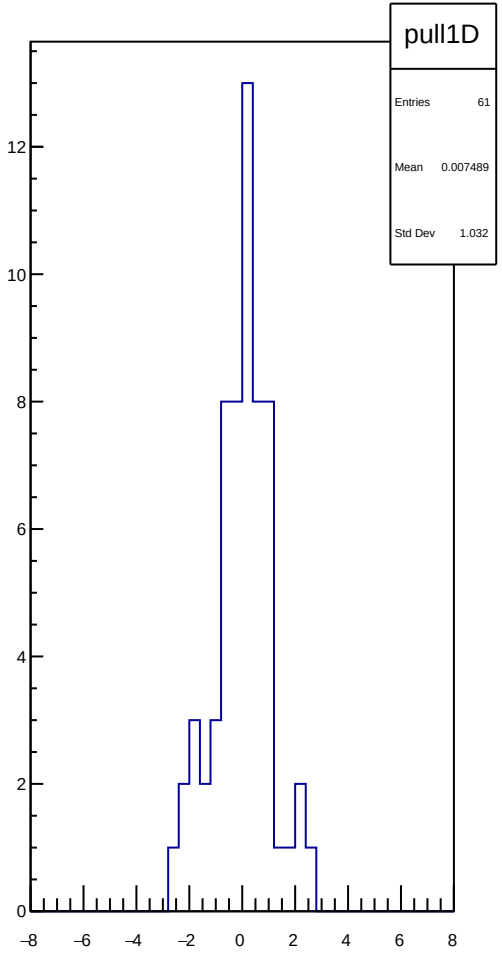

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 571.7 / 60
p0 1147 ± 1.051
1240
1220
1200
1180
1160
1140
1120

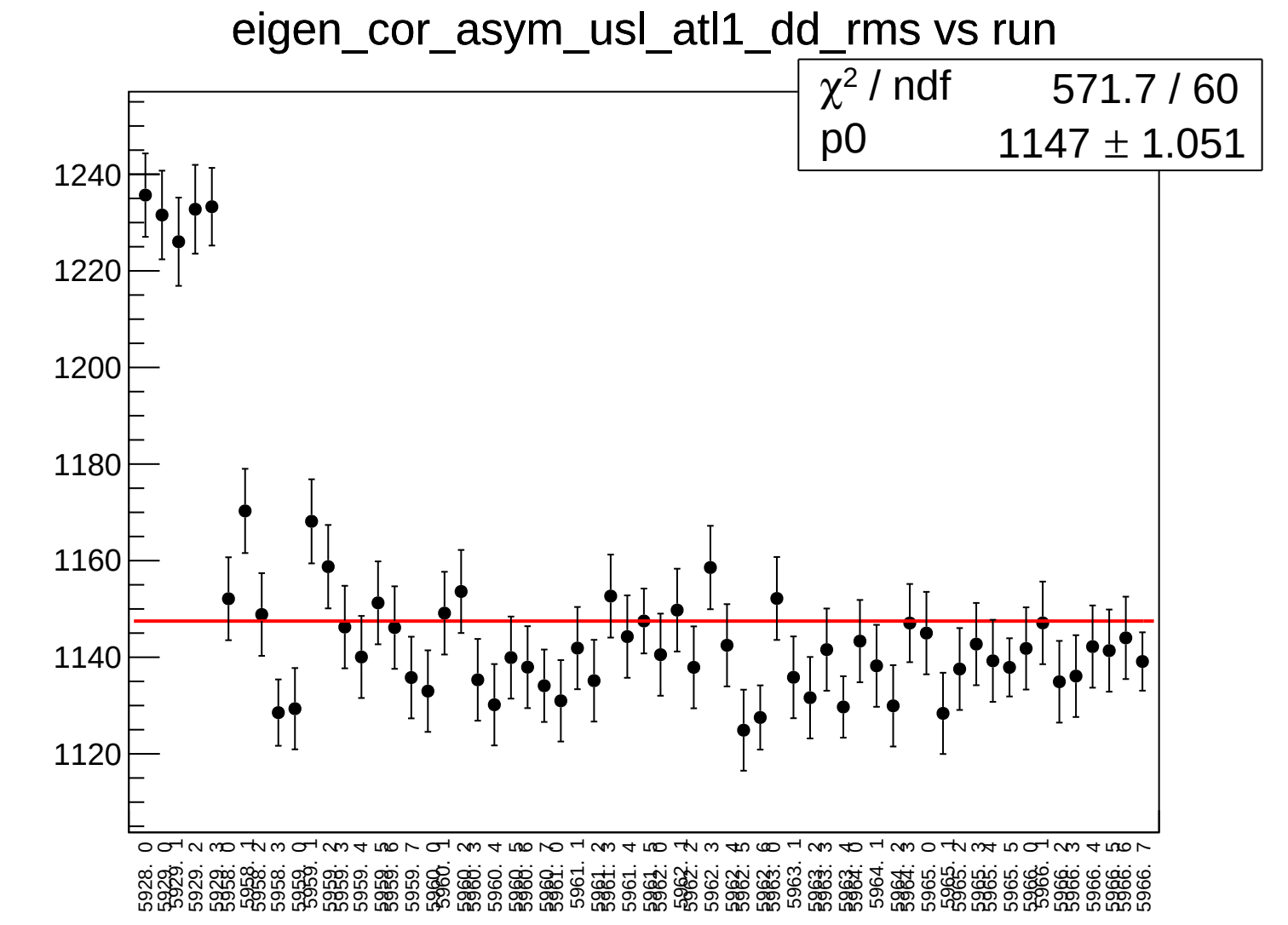

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 69.01 / 60
p0 −1119 ± 762.3
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 71.6
Std Dev 0
3
2
1
0
−1
−2

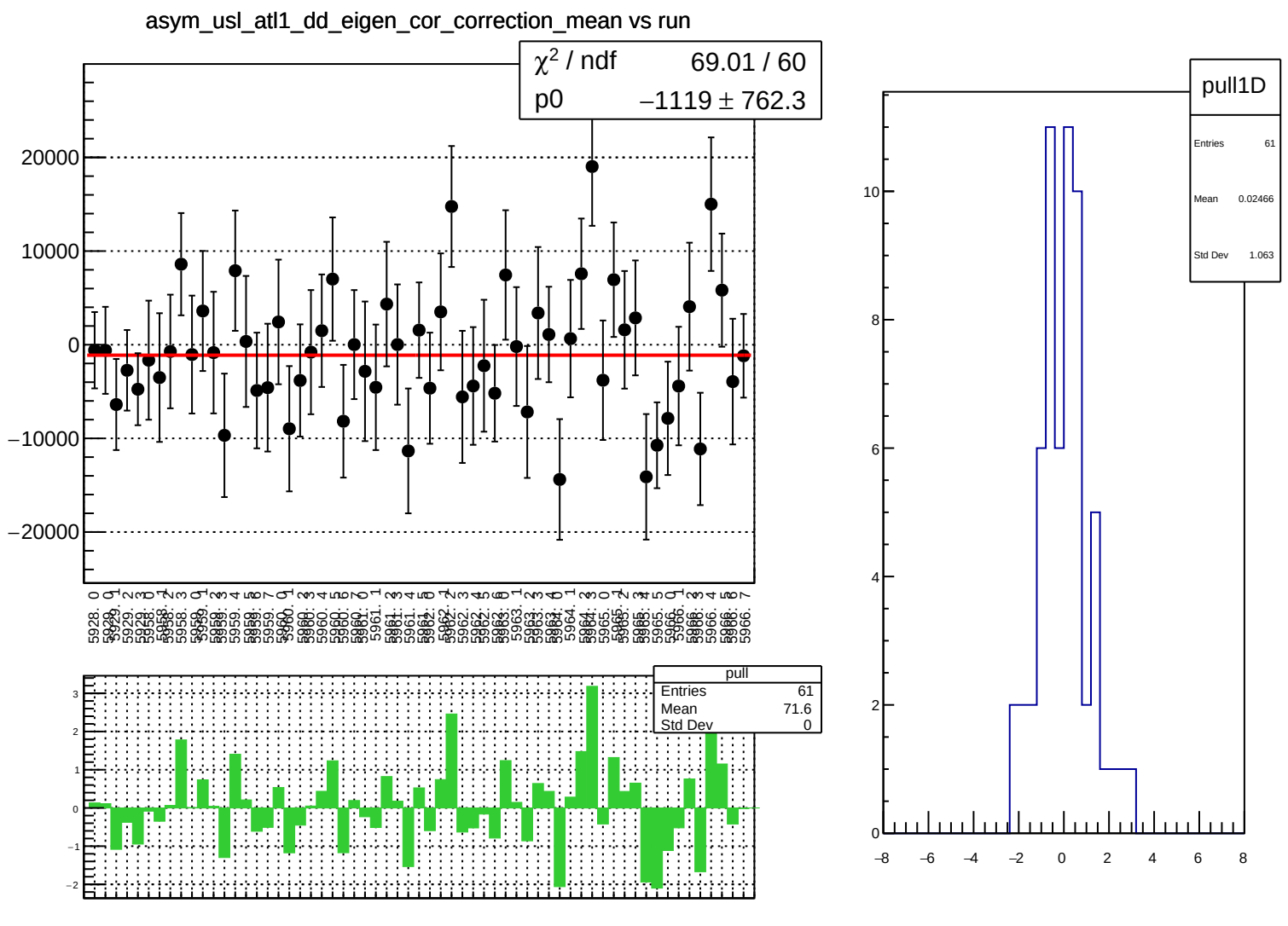

pull1D
Entries 61
Mean 0.02466
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

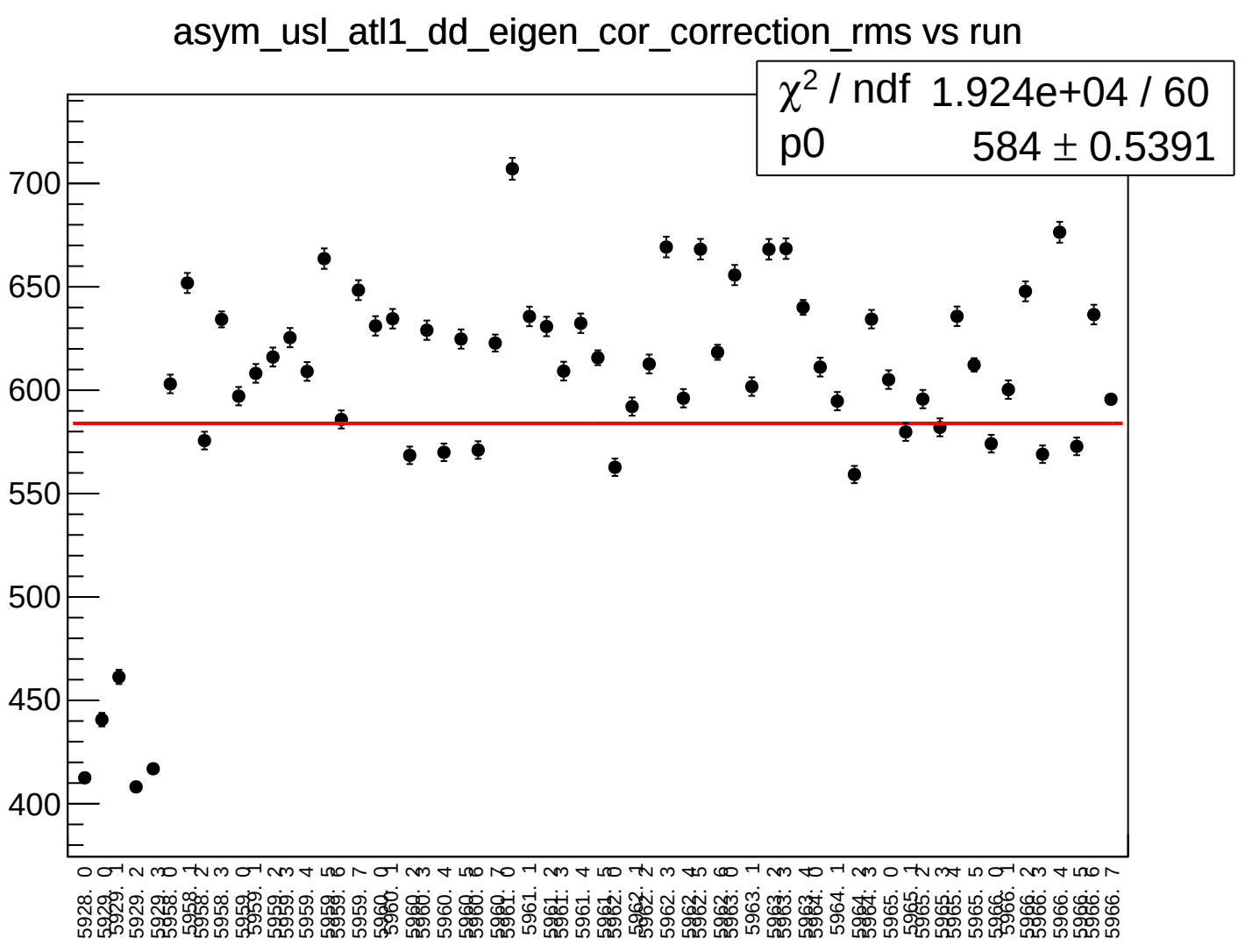

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1.924e+04 / 60
p0 584 ± 0.5391
700
650
600
550
500
450
400

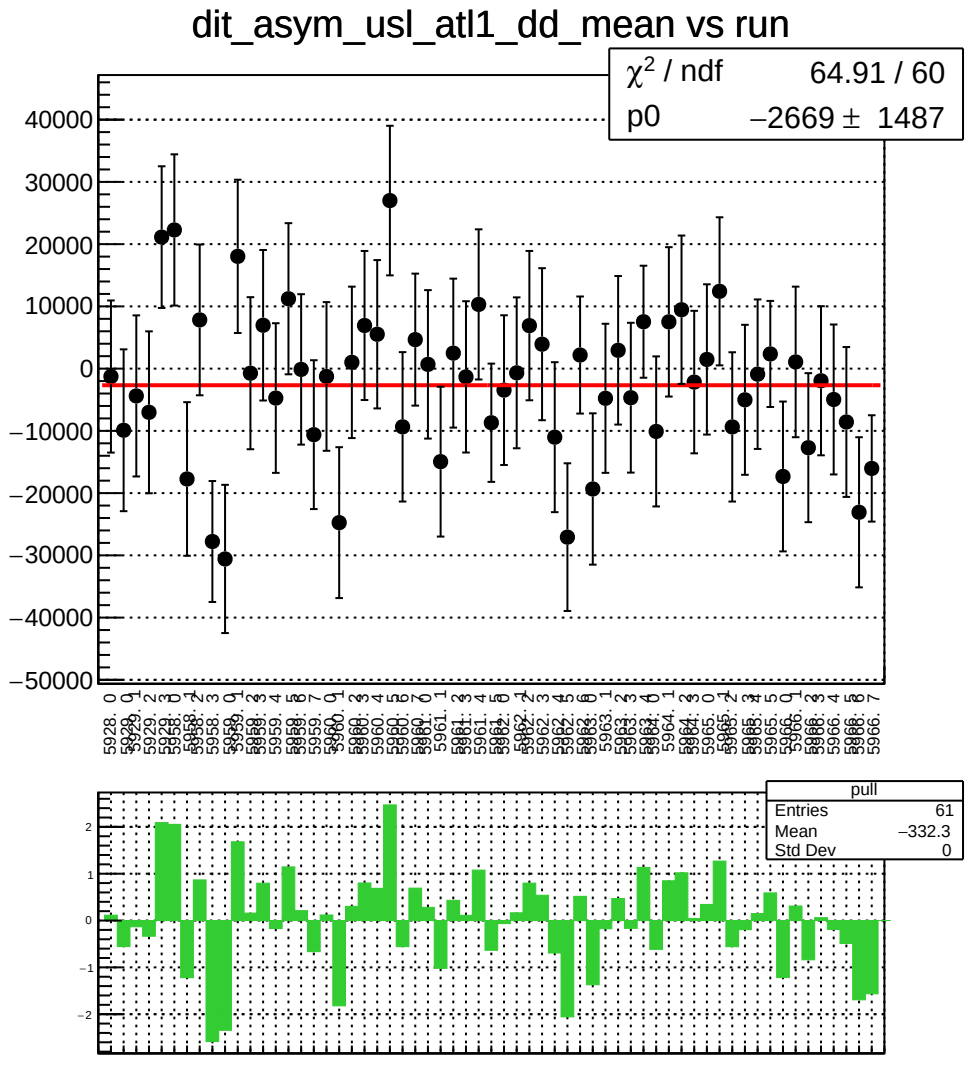

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 65 / 60
p0 −2647 ± 1486
pull
Entries 61
Mean −314
Std Dev 0

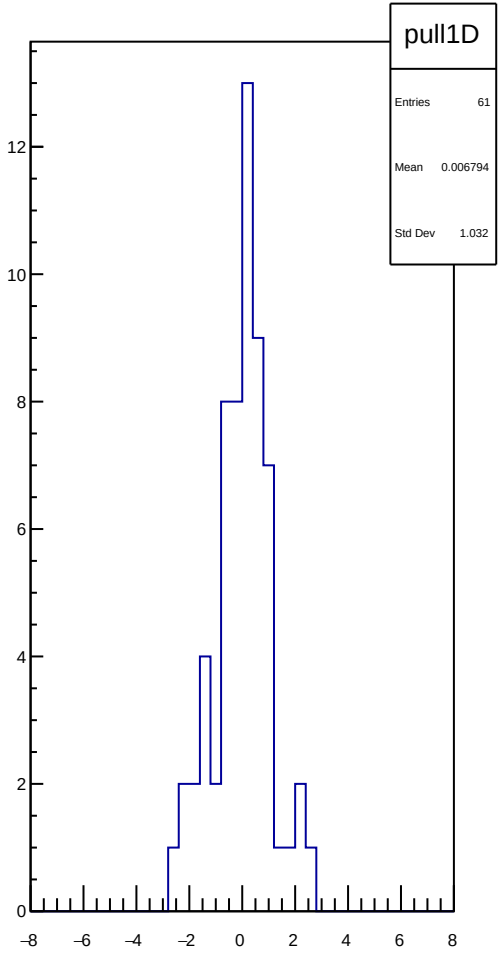

pull1D
Entries 61
Mean 0.007489
Std Dev 1.032

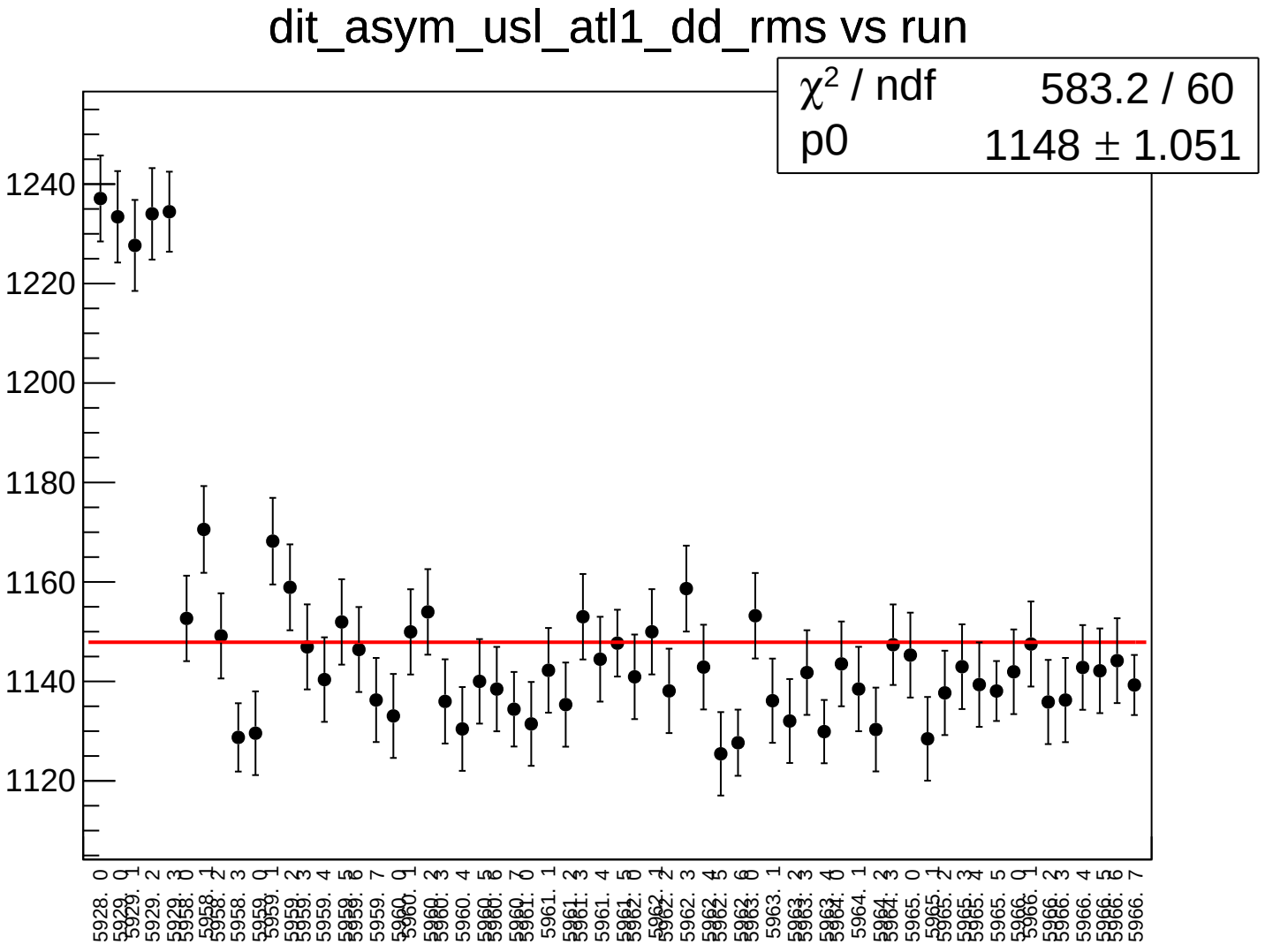

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 571.7 / 60
p0 1147 ± 1.051
1240
1220
1200
1180
1160
1140
1120

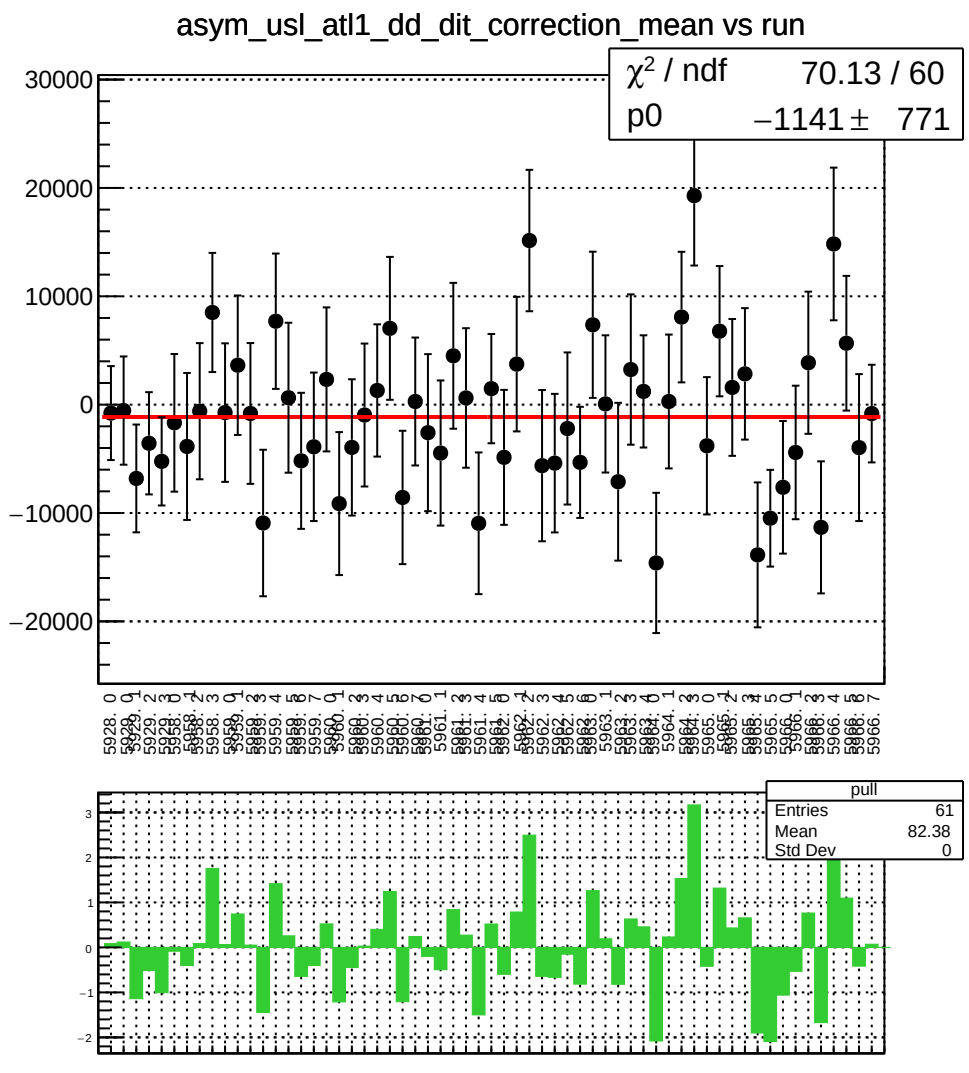

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.01 / 60
p0 −1119 ± 762.3
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 71.6
Std Dev 0
pull1D
Entries 61
Mean 0.02466
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

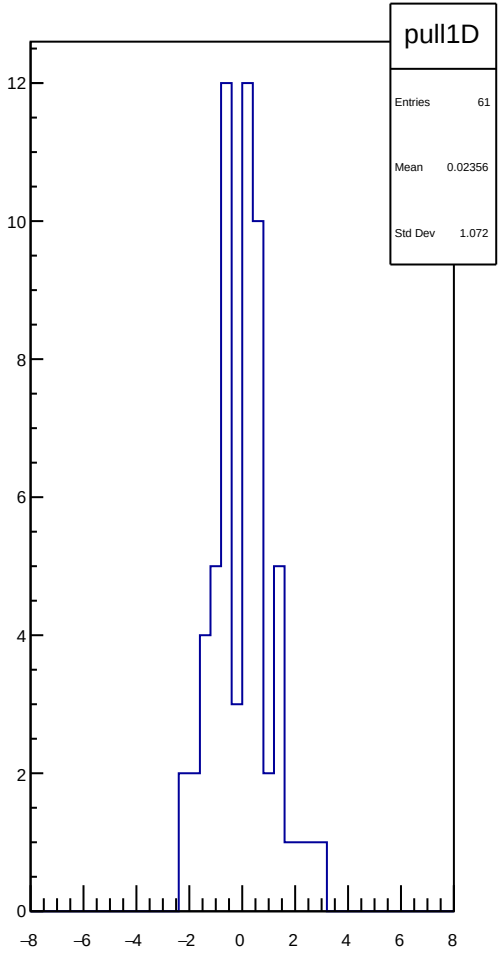

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.924e+04 / 60
p0 584 ± 0.5391
700
650
600
550
500
450
400

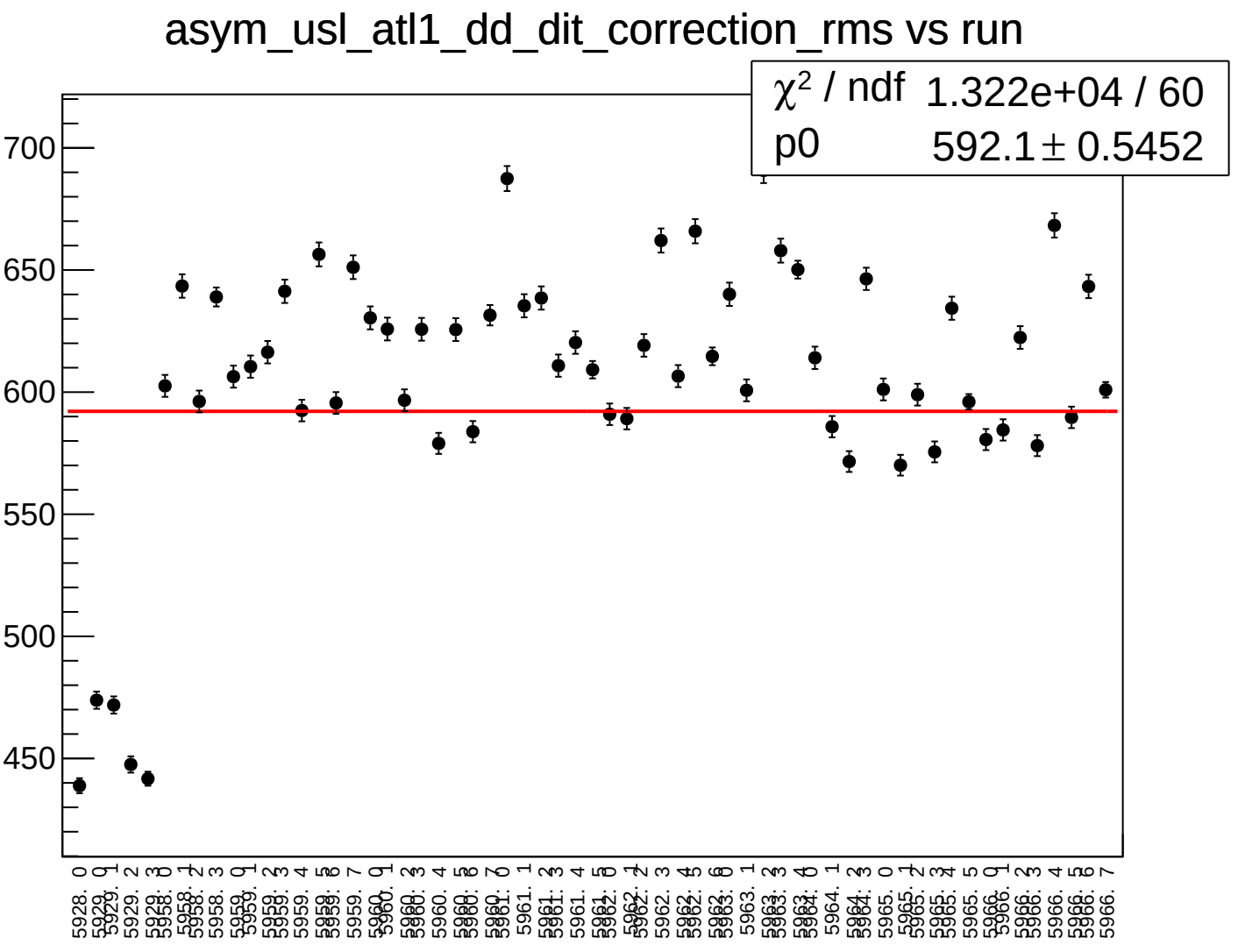

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 64.91 / 60
p0 −2669 ± 1487
pull
Entries 61
Mean −332.3
Std Dev 0

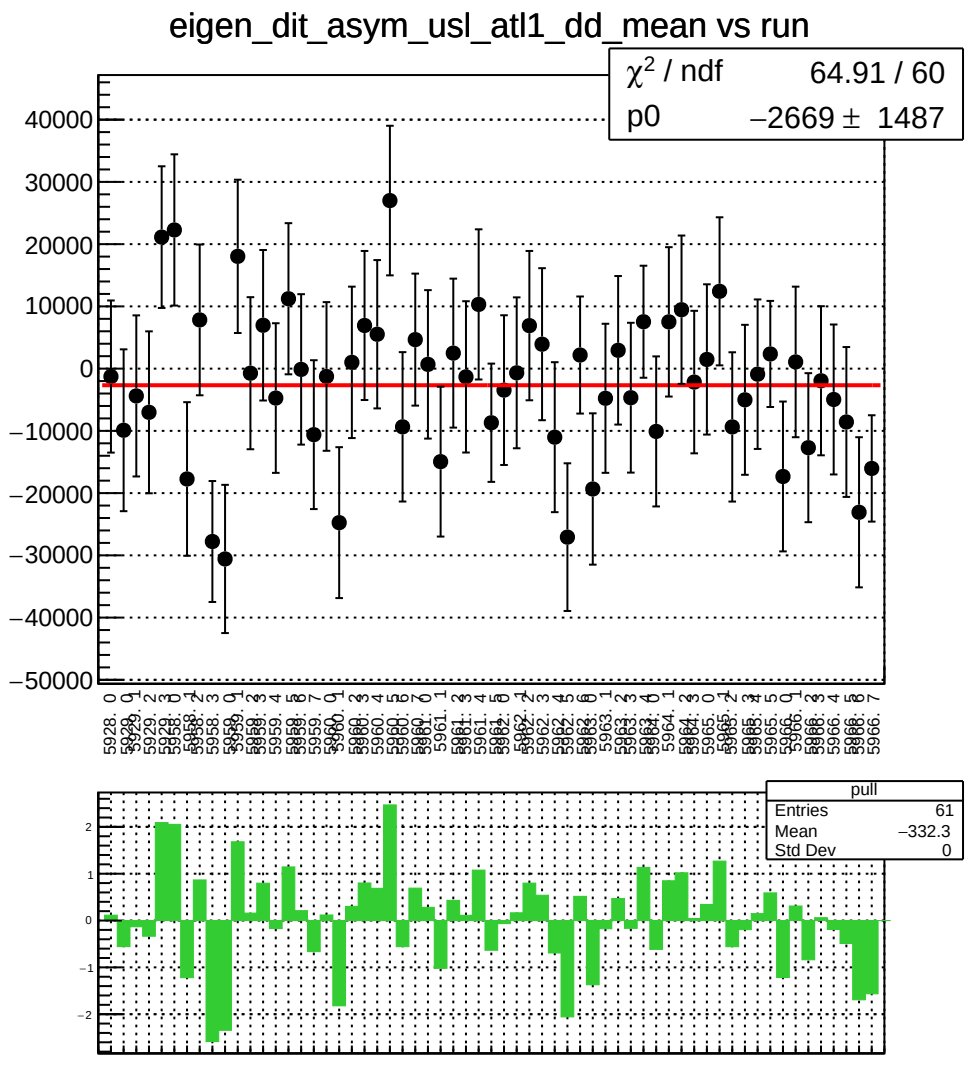

pull1D
Entries 61
Mean 0.006794
Std Dev 1.032

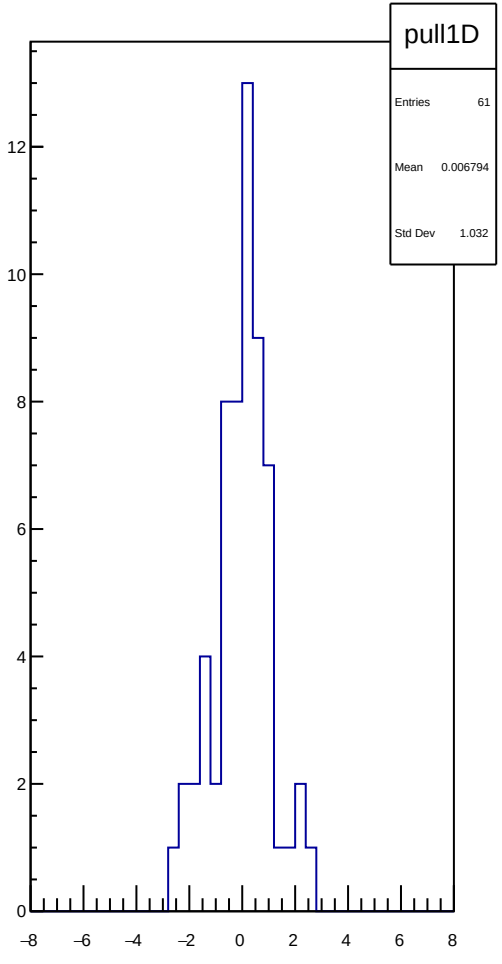

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 583.2 / 60
p0 1148 ± 1.051
1240
1220
1200
1180
1160
1140
1120

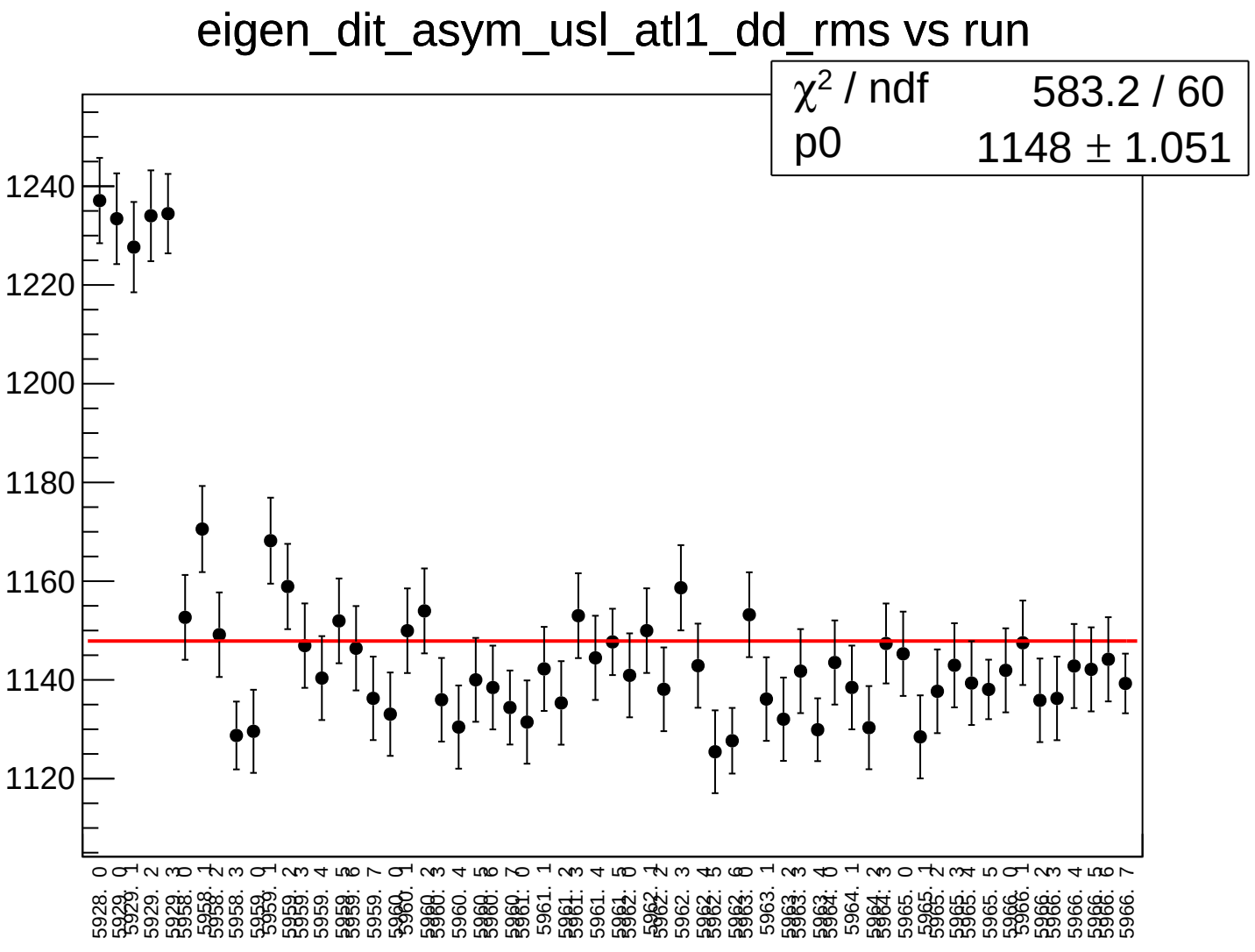

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 70.13 / 60
p0 −1141 ± 771
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 82.38
Std Dev 0
3
2
1
0
−1
−2

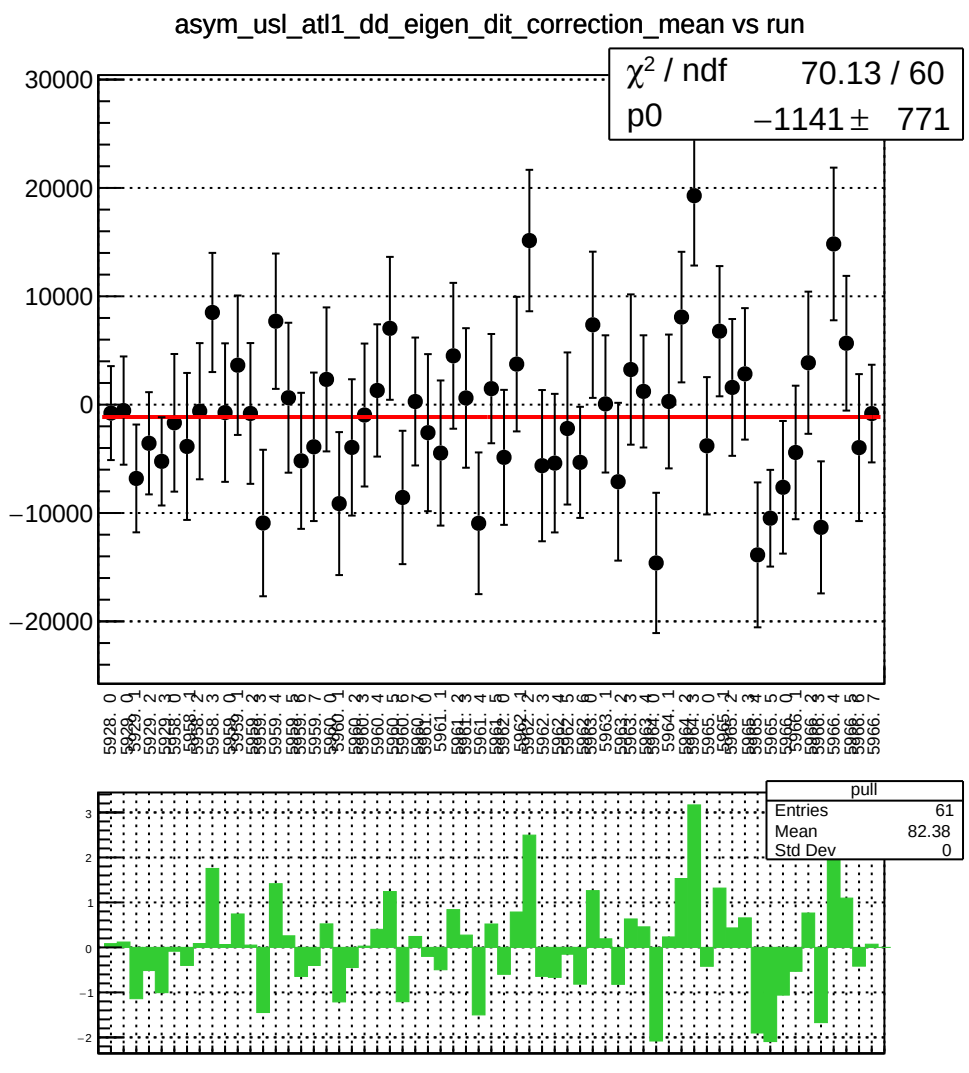

pull1D
Entries 61
Mean 0.02356
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

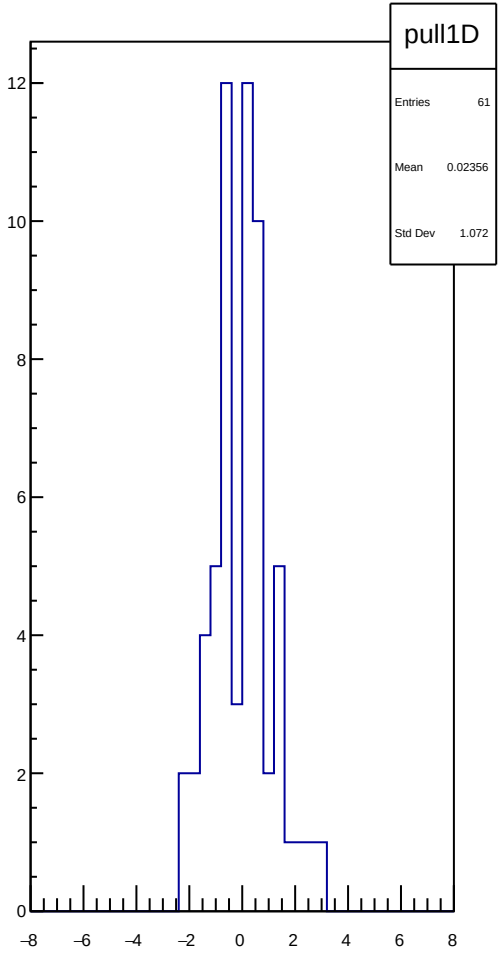

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1.322e+04 / 60
p0 592.1 ± 0.5452
700
650
600
550
500
450

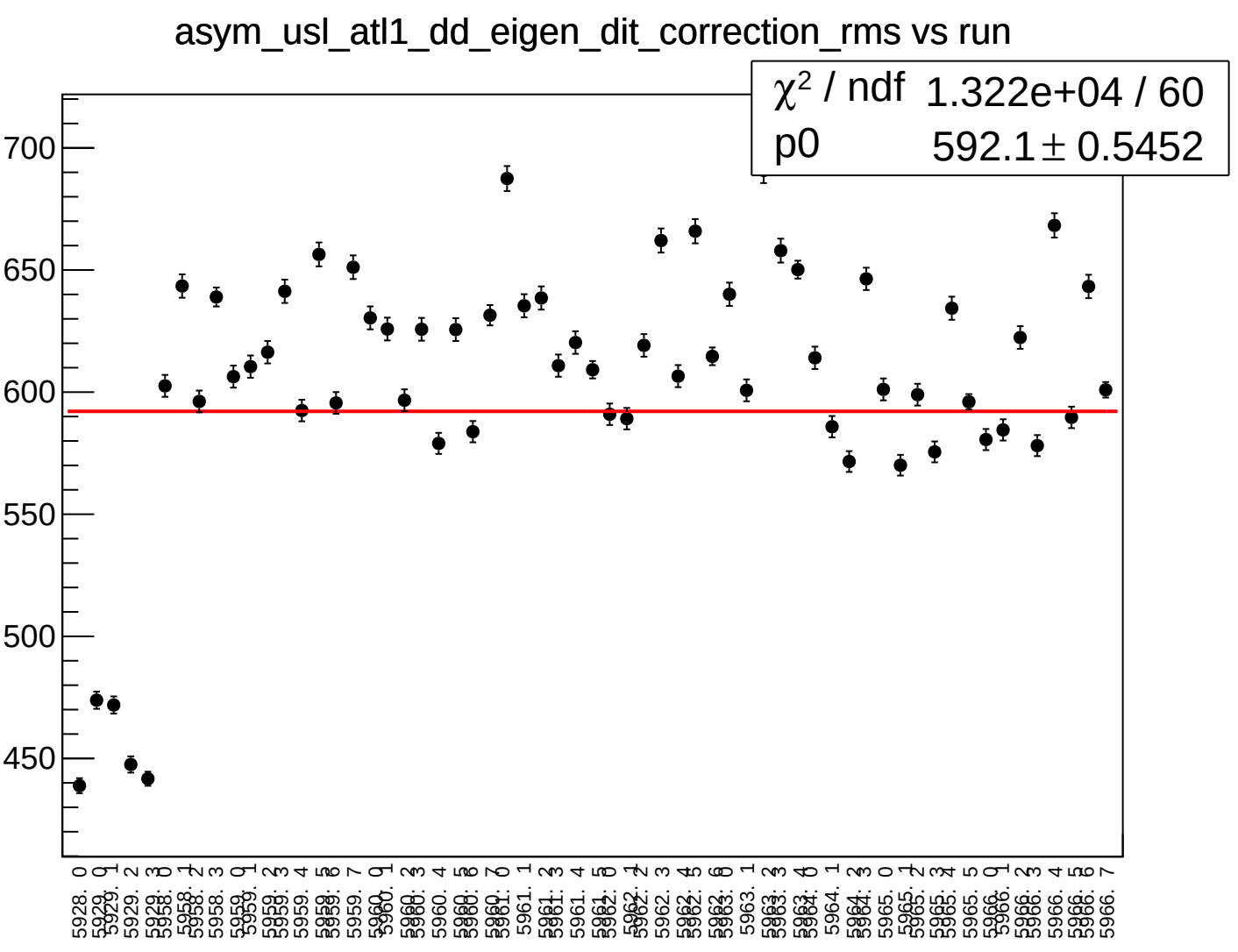

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 64.91 / 60
p0 −2669 ± 1487
pull
Entries 61
Mean −332.3
Std Dev 0

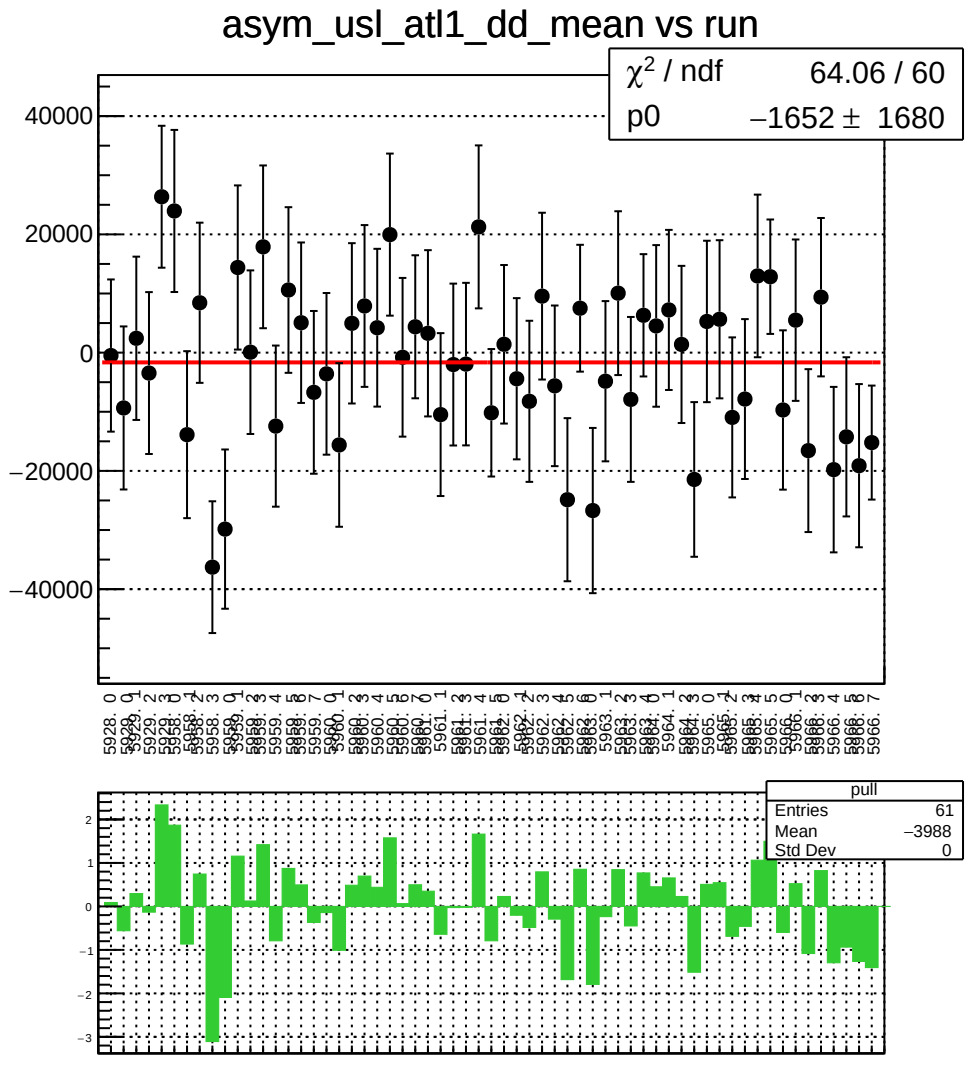

pull1D
Entries 61
Mean 0.006794
Std Dev 1.032

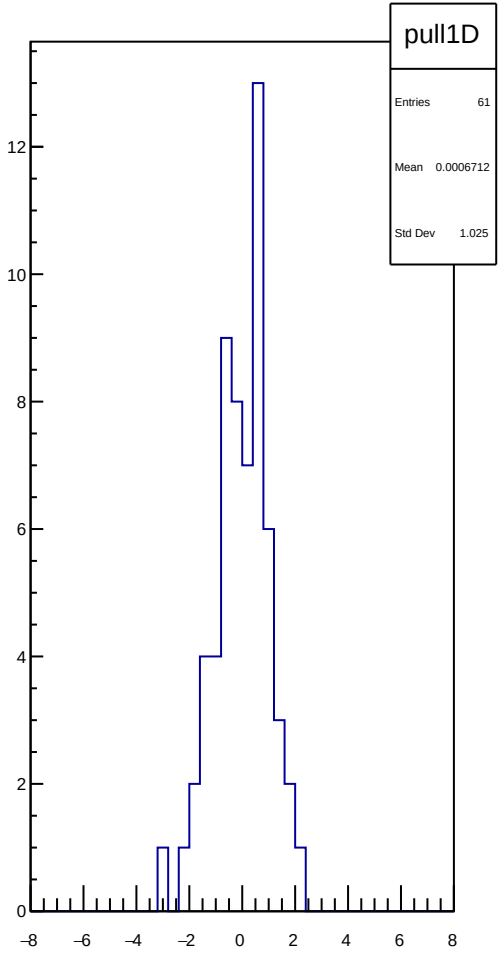

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 583.2 / 60
p0 1148 ± 1.051
1240
1220
1200
1180
1160
1140
1120

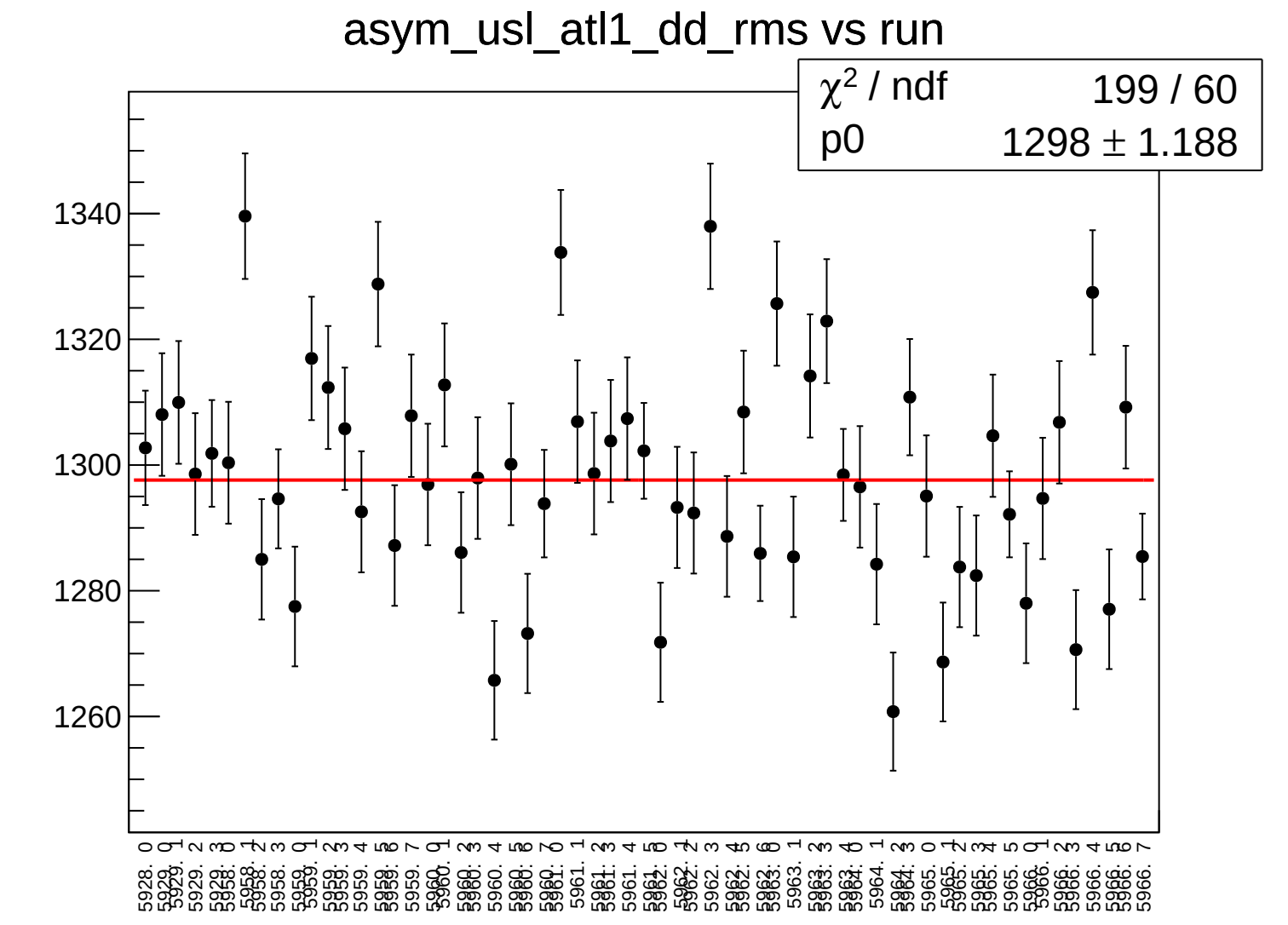

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.13 / 60
p0 −1141 ± 771
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 82.38
Std Dev 0
3
2
1
0
−1
−2

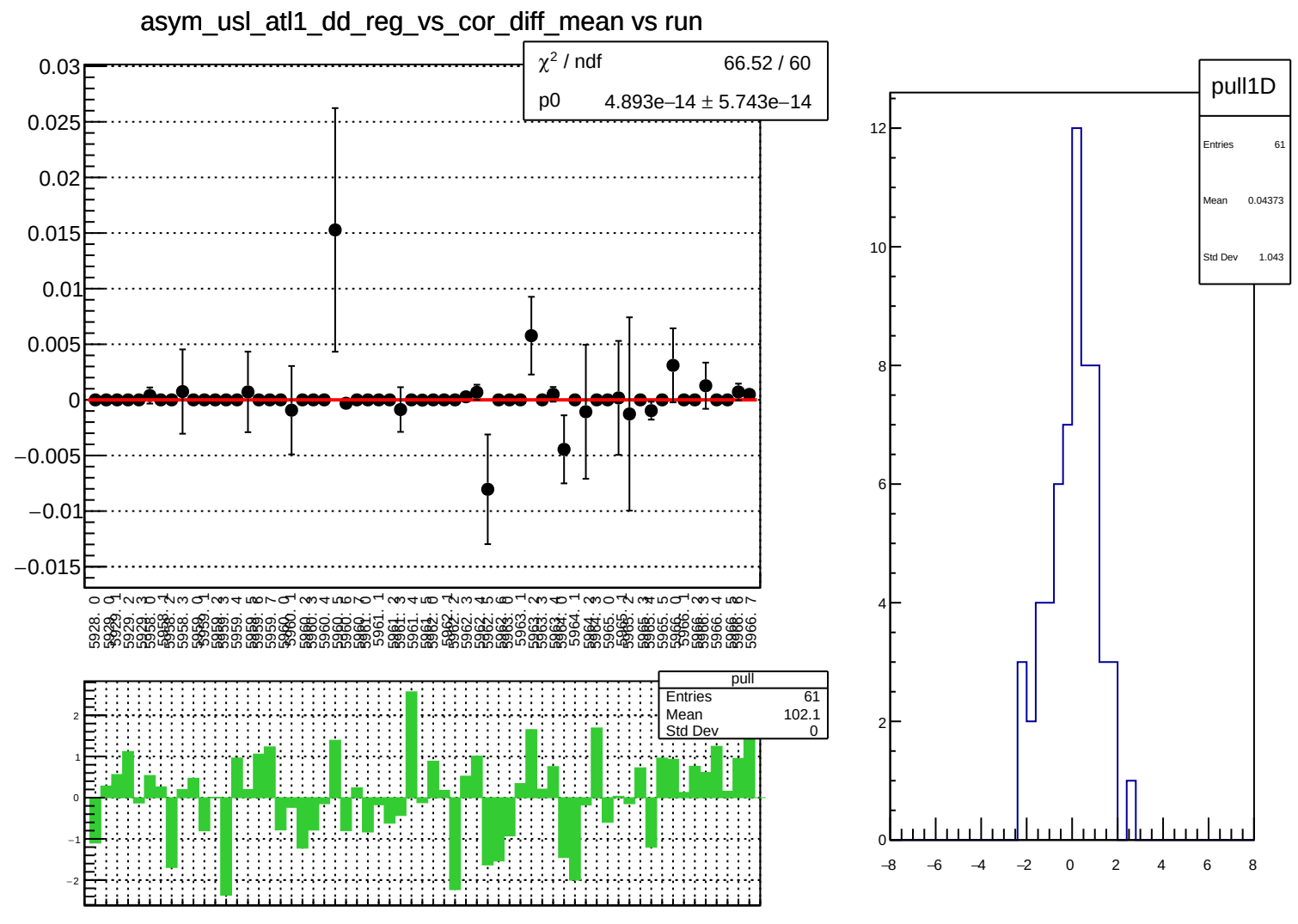

pull1D
Entries 61
Mean 0.02356
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

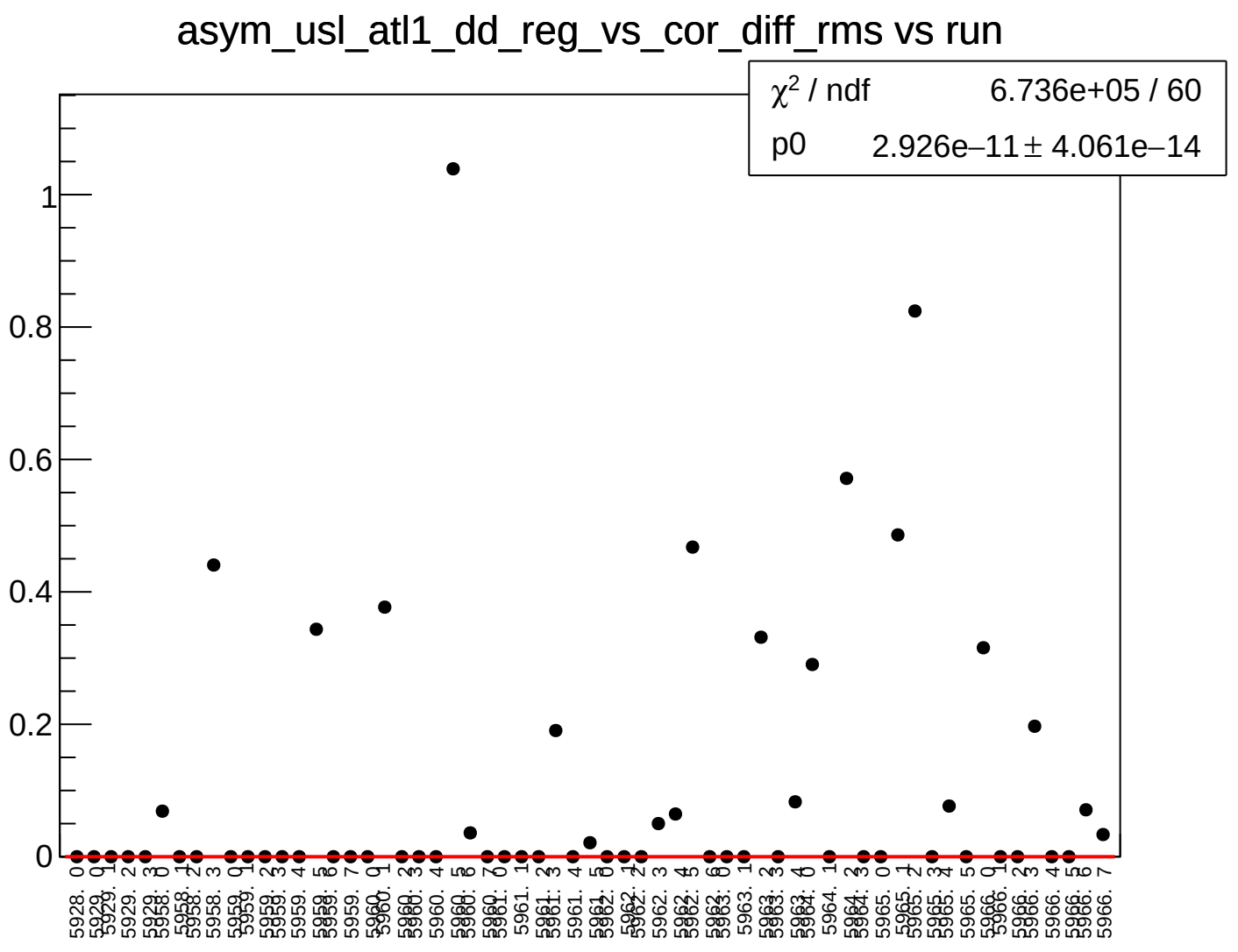

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.322e+04 / 60
p0 592.1 ± 0.5452
700
650
600
550
500
450

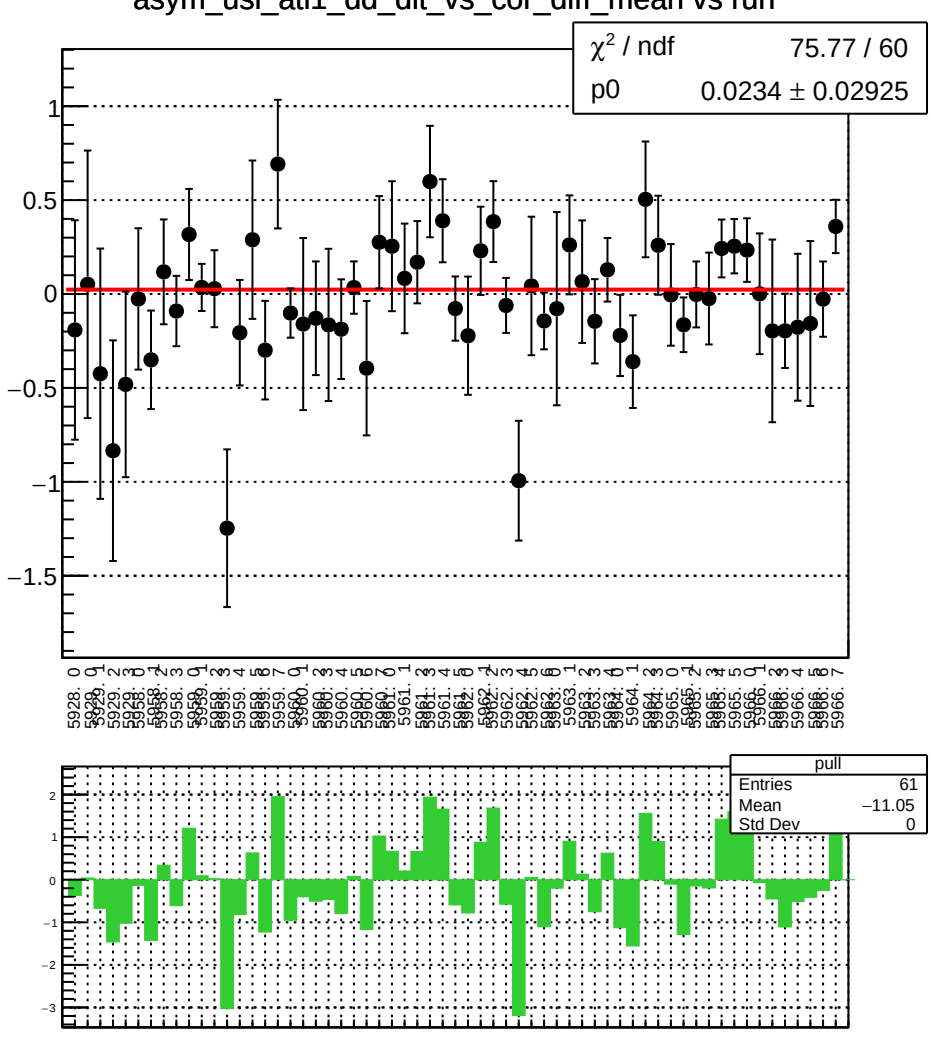

asym_usl_atl1_dd_mean vs run
χ² / ndf 64.06 / 60
p0 −1652 ± 1680
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −3988
Std Dev 0
2
1
0
−1
−2
−3

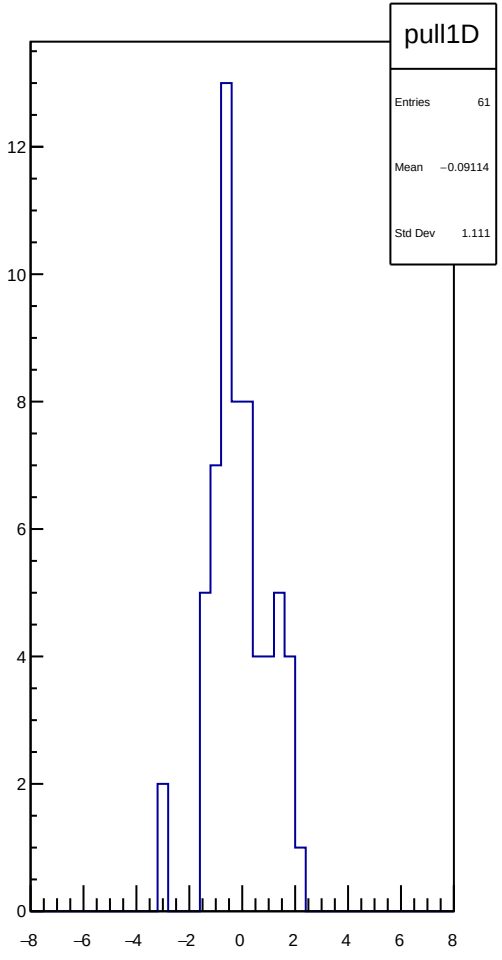

pull1D
Entries 61
Mean 0.0006712
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

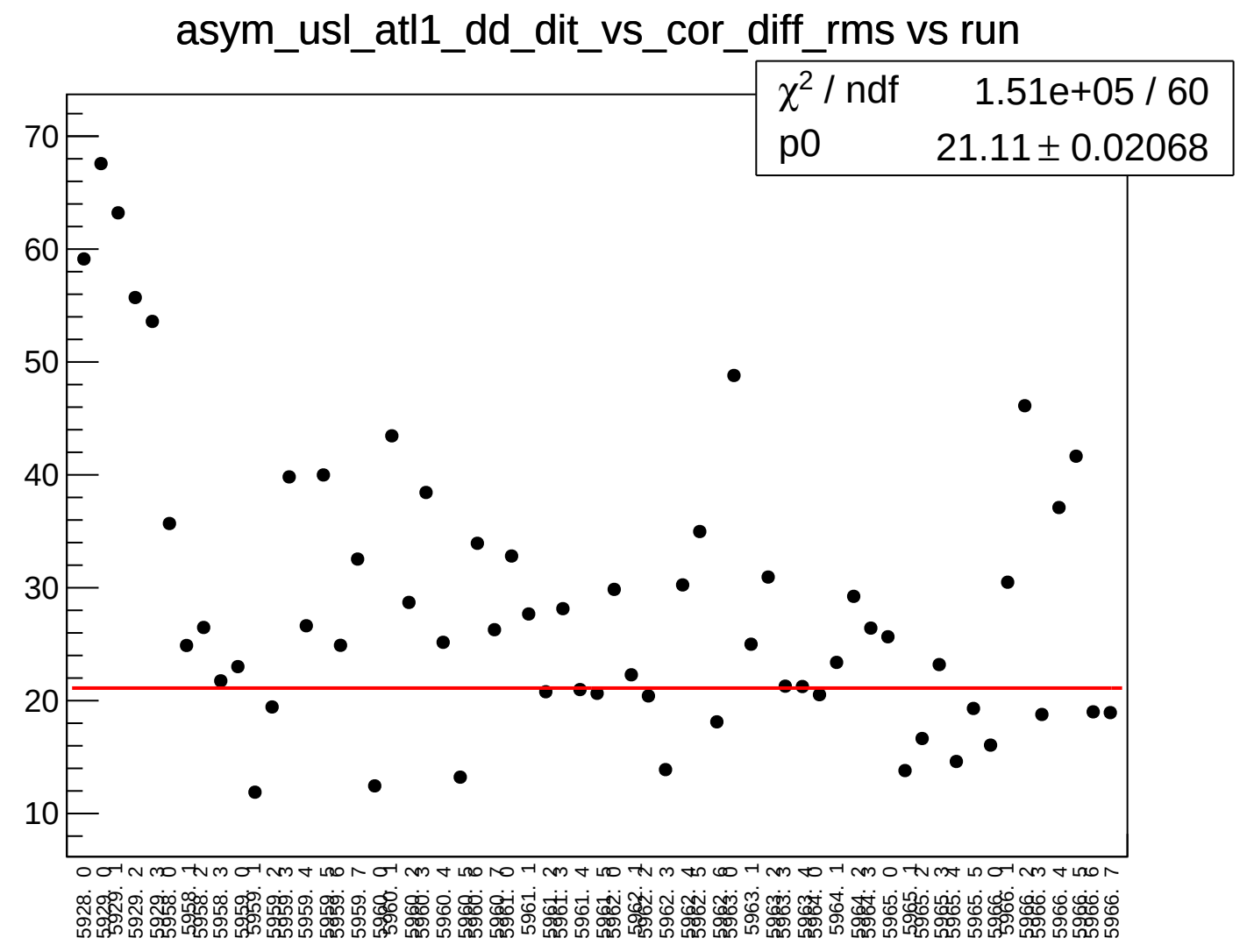

asym_usl_atl1_dd_rms vs run
χ² / ndf 199 / 60
p0 1298 ± 1.188
1340
1320
1300
1280
1260

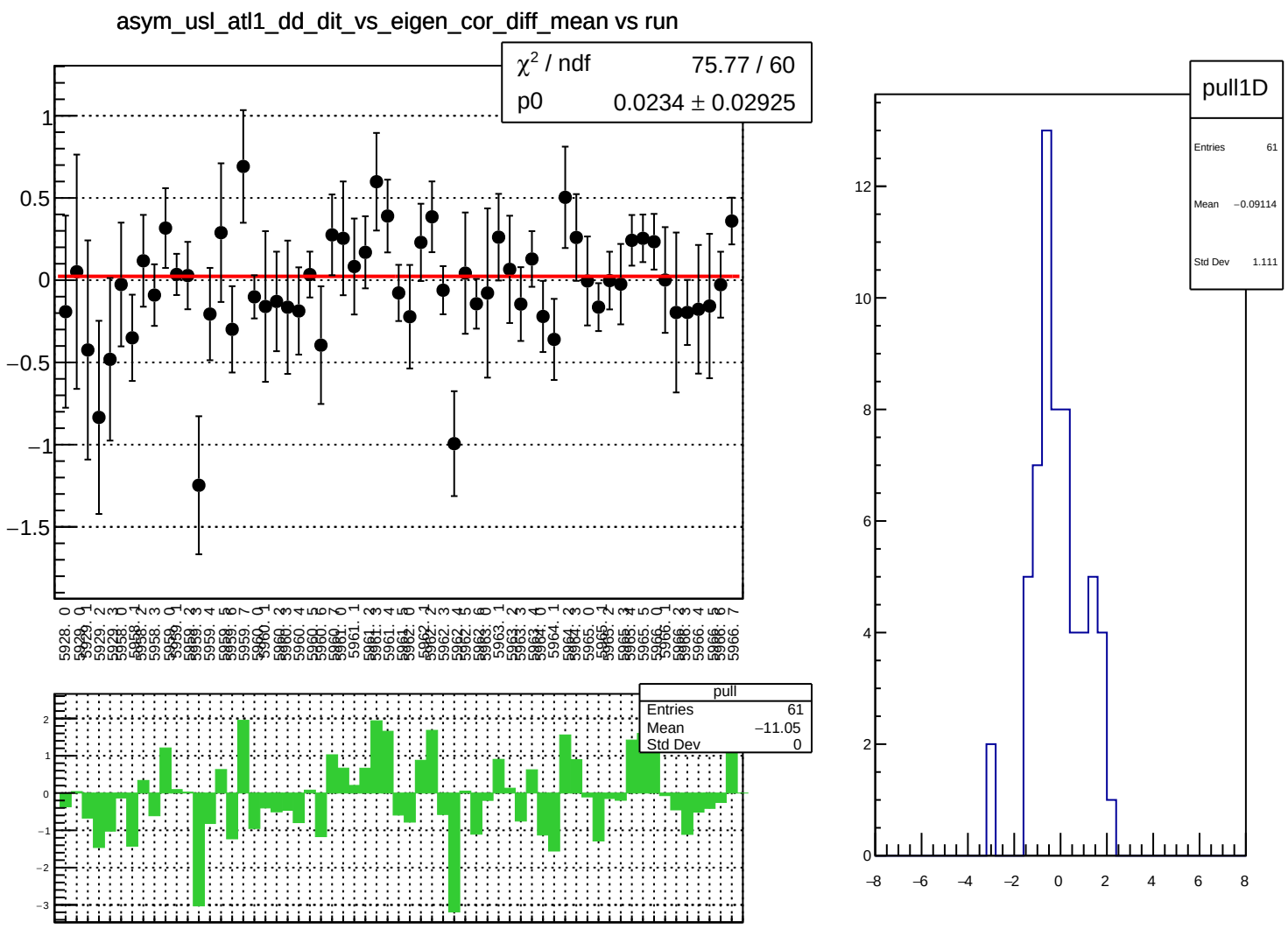

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.52 / 60
p0 4.893e−14 ± 5.743e−14
pull
Entries 61
Mean 102.1
Std Dev 0
pull1D
Entries 61
Mean 0.04373
Std Dev 1.043

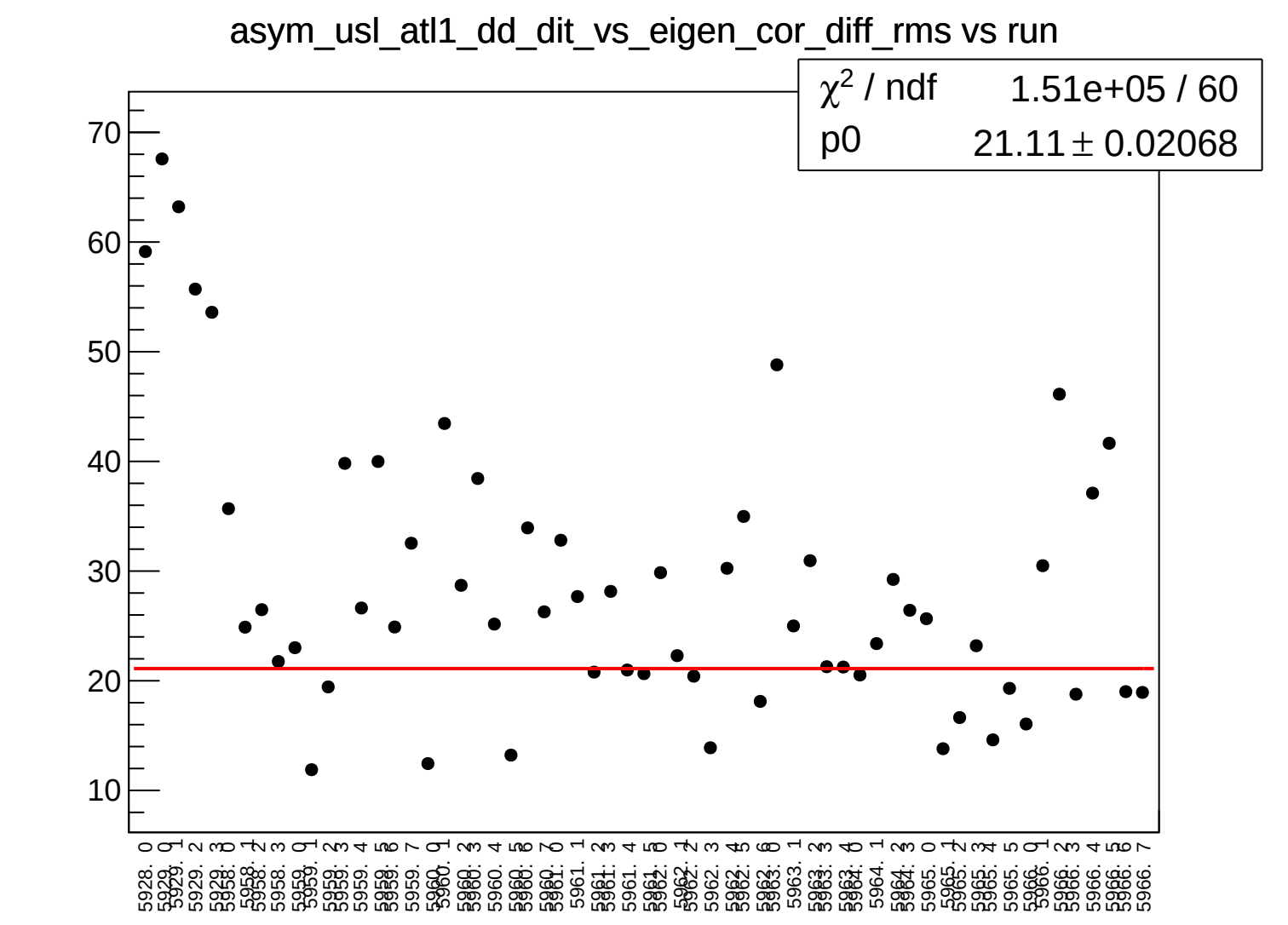

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.736e+05 / 60
p0 2.926e−11 ± 4.061e−14
1
0.8
0.6
0.4
0.2
0

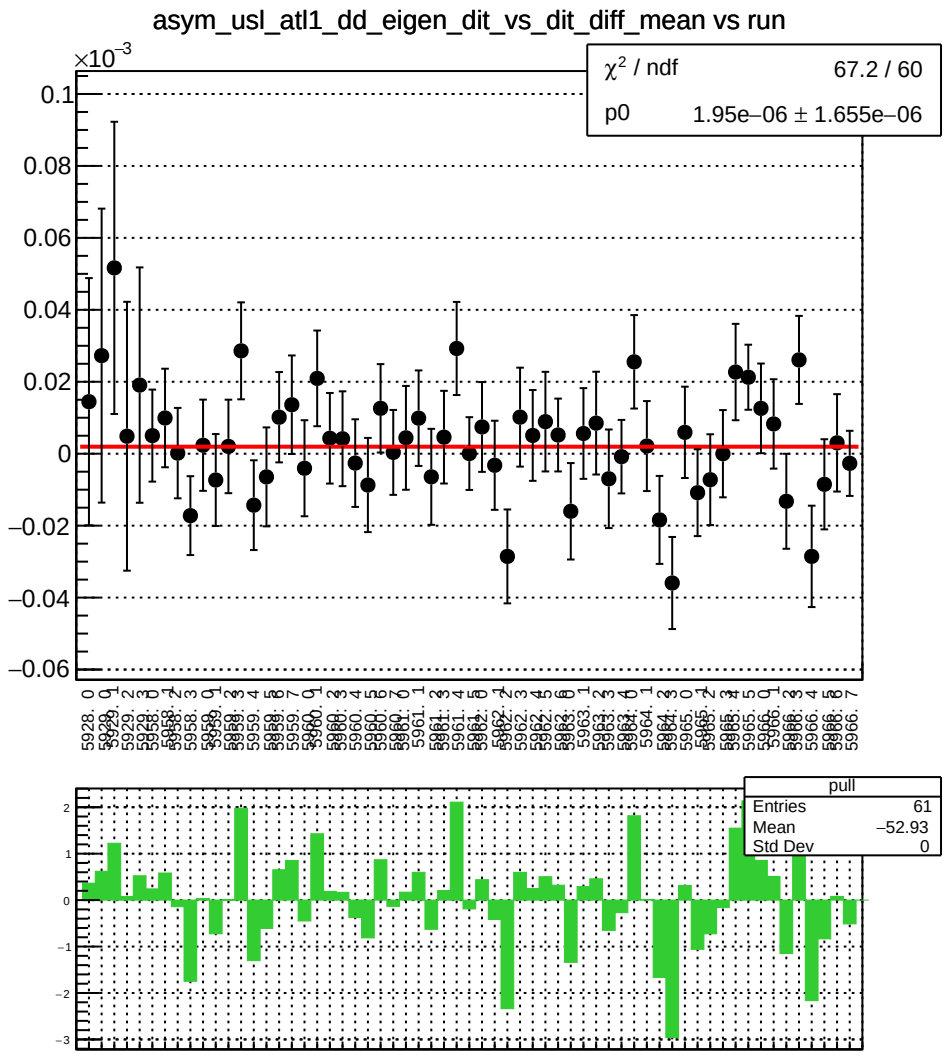

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.77 / 60
p0 0.0234 ± 0.02925
pull
Entries 61
Mean −11.05
Std Dev 0

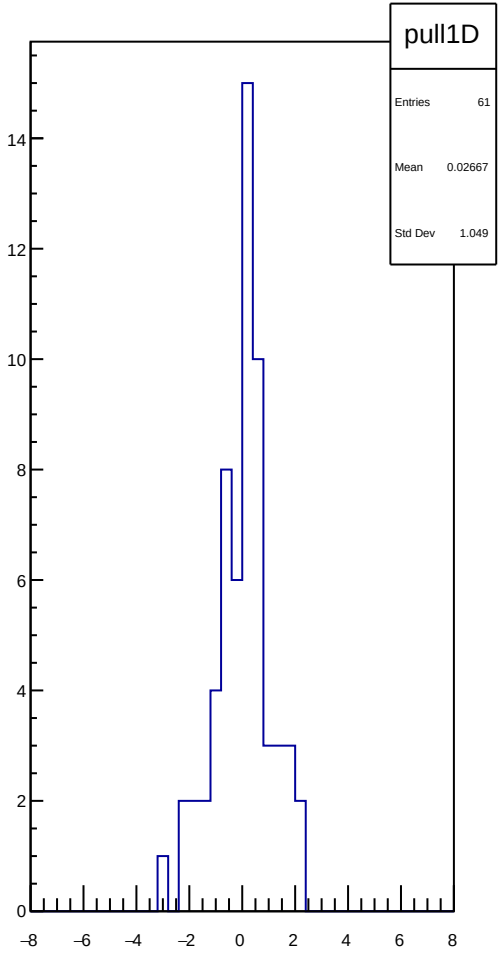

pull1D
Entries 61
Mean −0.09114
Std Dev 1.111

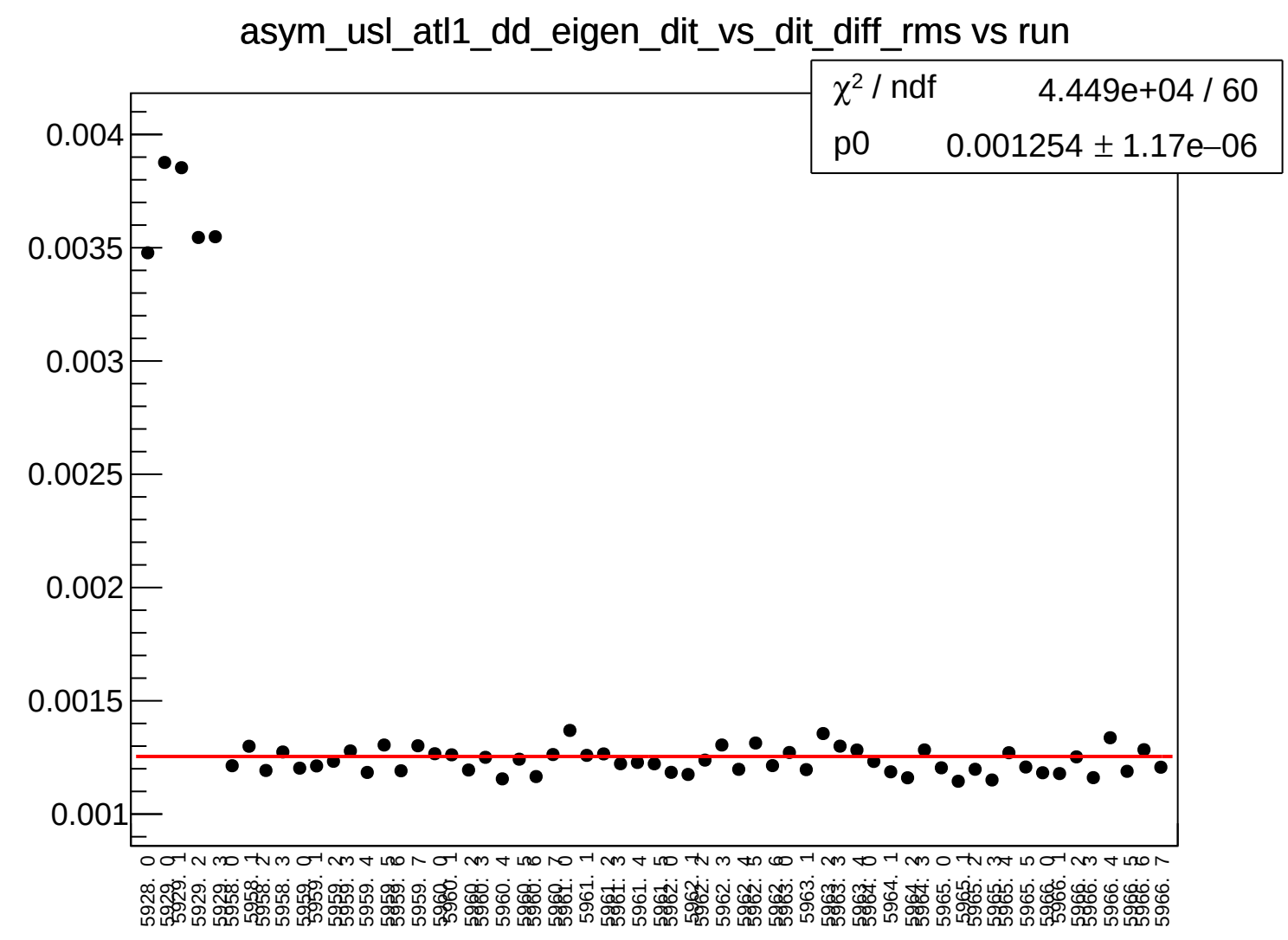

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.51e+05 / 60
p0 21.11 ± 0.02068
70
60
50
40
30
20
10

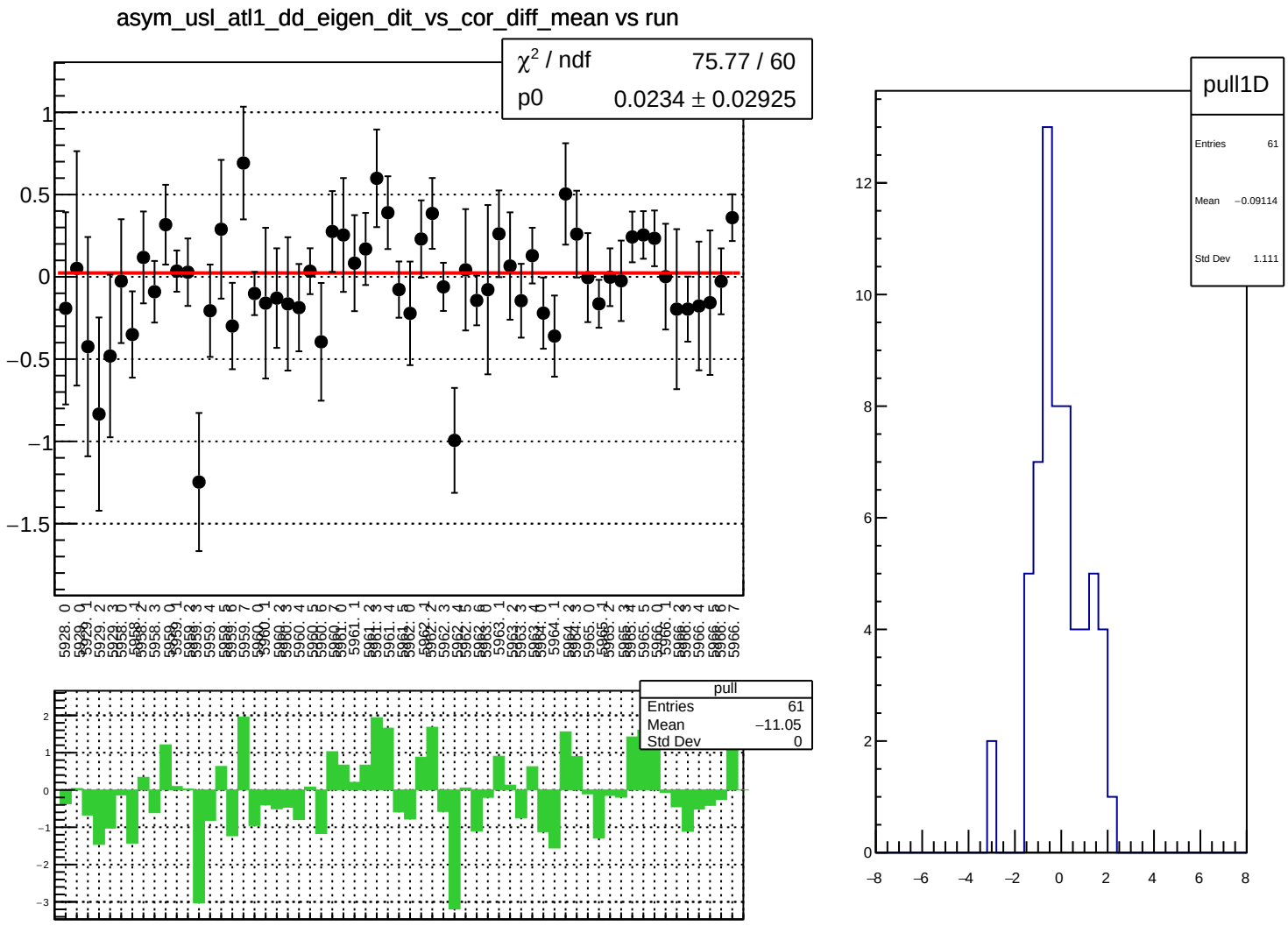

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.77 / 60
p0 0.0234 ± 0.02925
pull
Entries 61
Mean −11.05
Std Dev 0
pull1D
Entries 61
Mean −0.09114
Std Dev 1.111

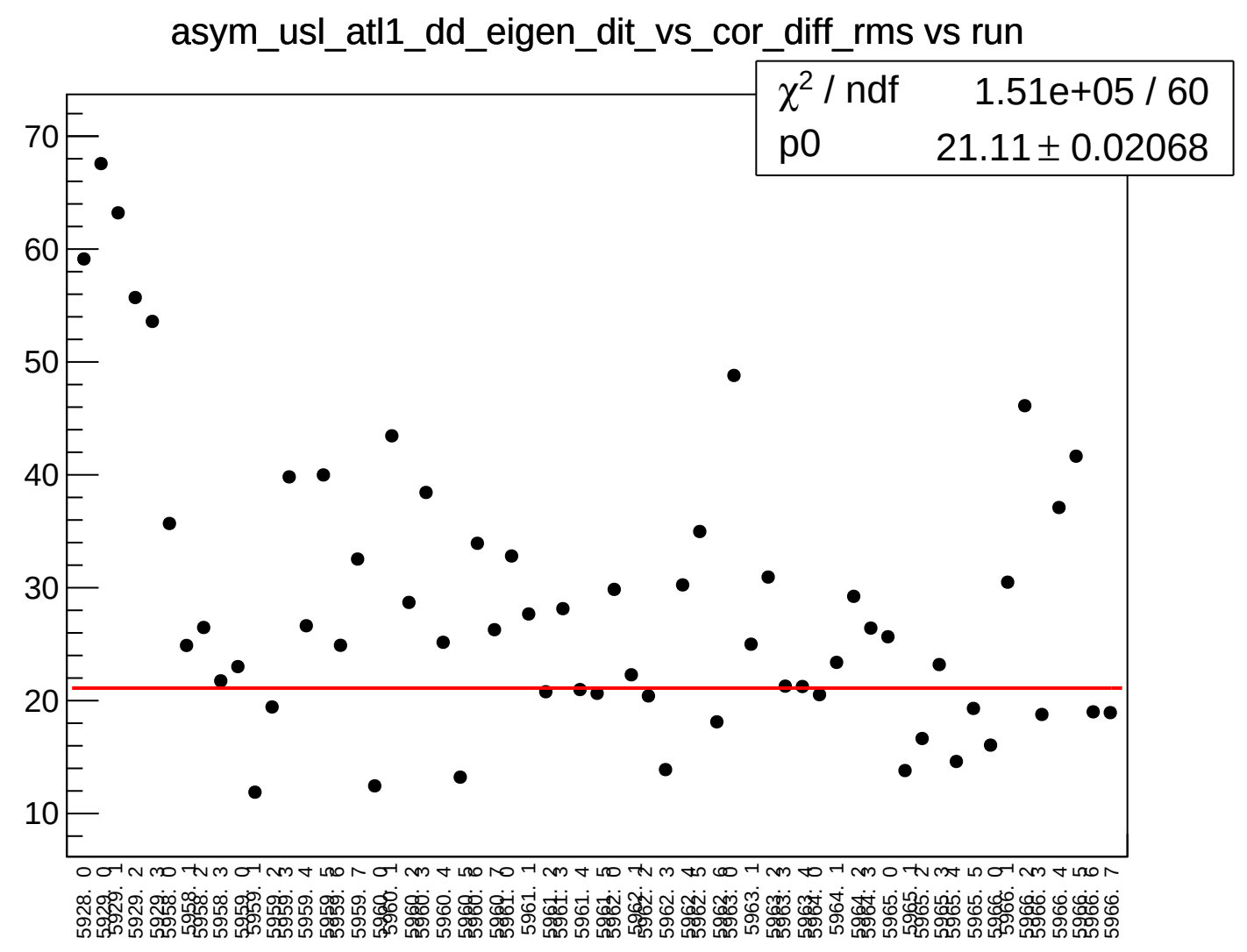

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.51e+05 / 60
p0 21.11 ± 0.02068
70
60
50
40
30
20
10

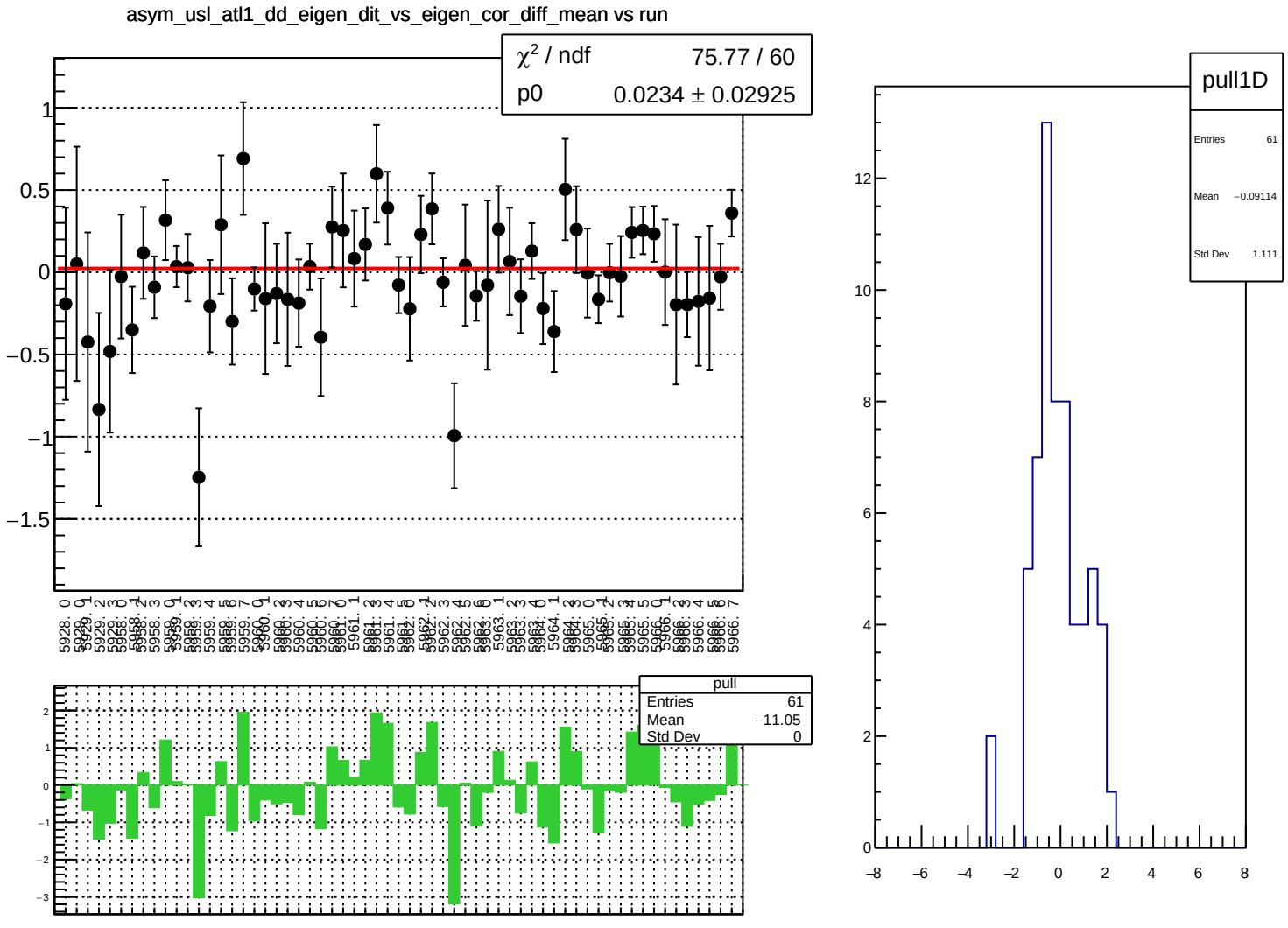

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 67.2 / 60
p0 1.95e−06 ± 1.655e−06
pull
Entries 61
Mean −52.93
Std Dev 0

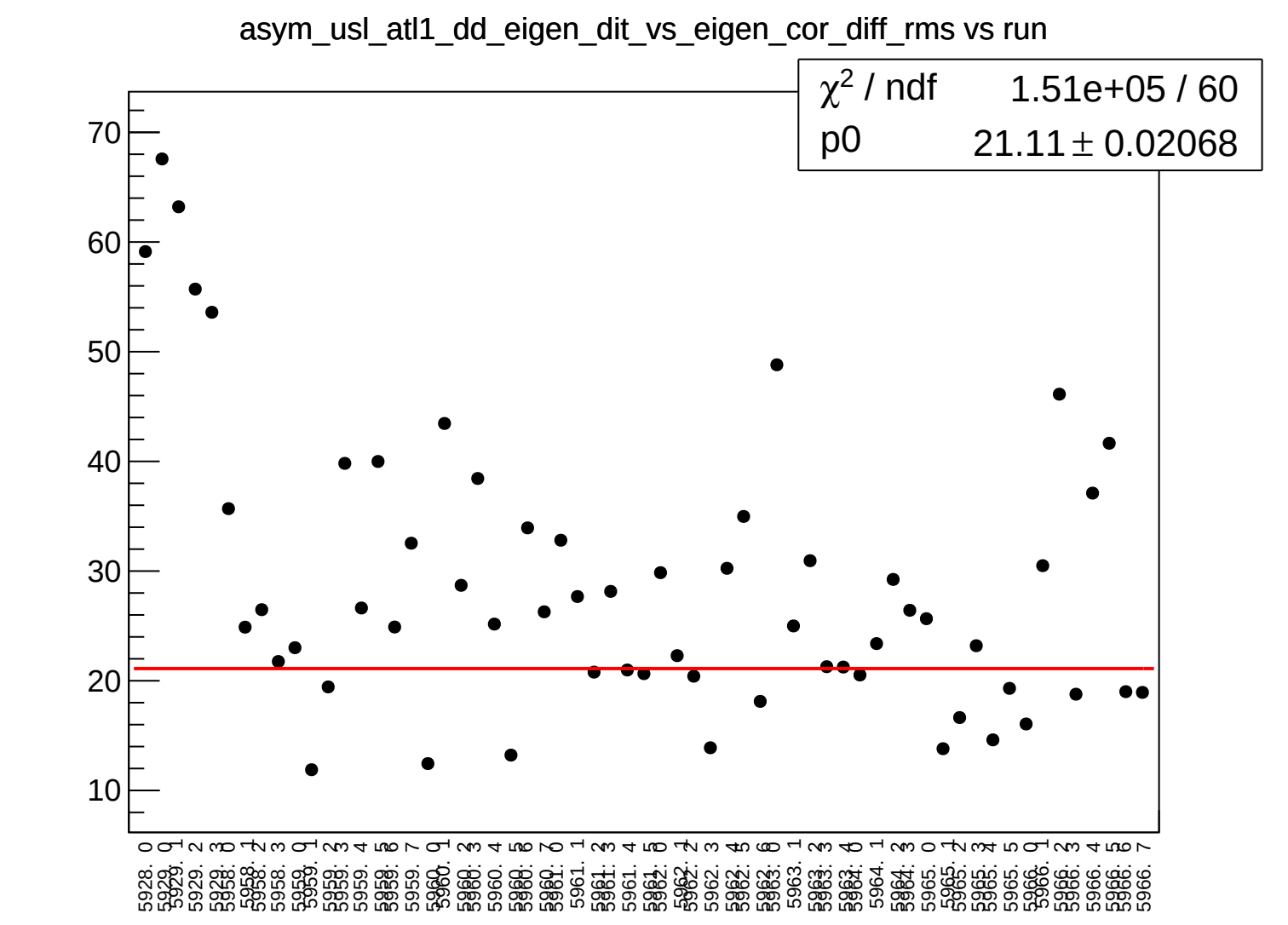

pull1D
Entries 61
Mean 0.02667
Std Dev 1.049

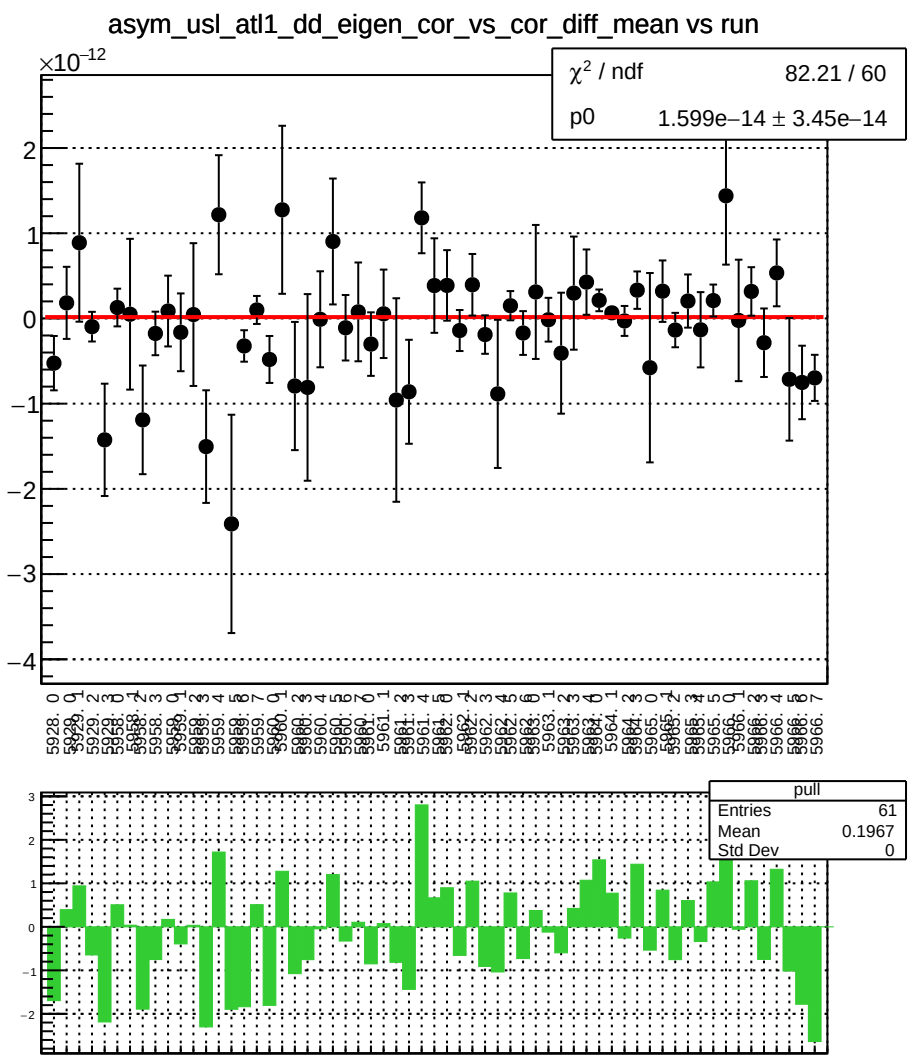

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.449e+04 / 60
p0 0.001254 ± 1.17e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

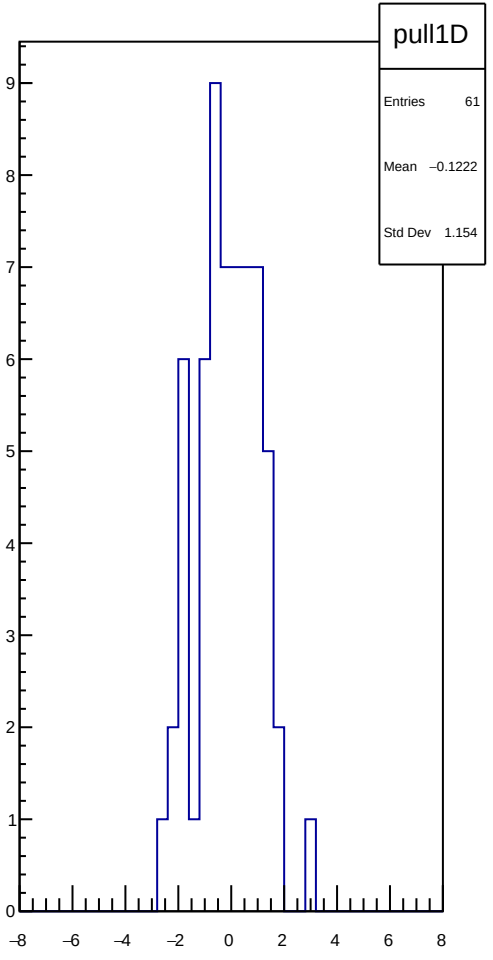

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.77 / 60
p0 0.0234 ± 0.02925
pull
Entries 61
Mean −11.05
Std Dev 0
pull1D
Entries 61
Mean −0.09114
Std Dev 1.111

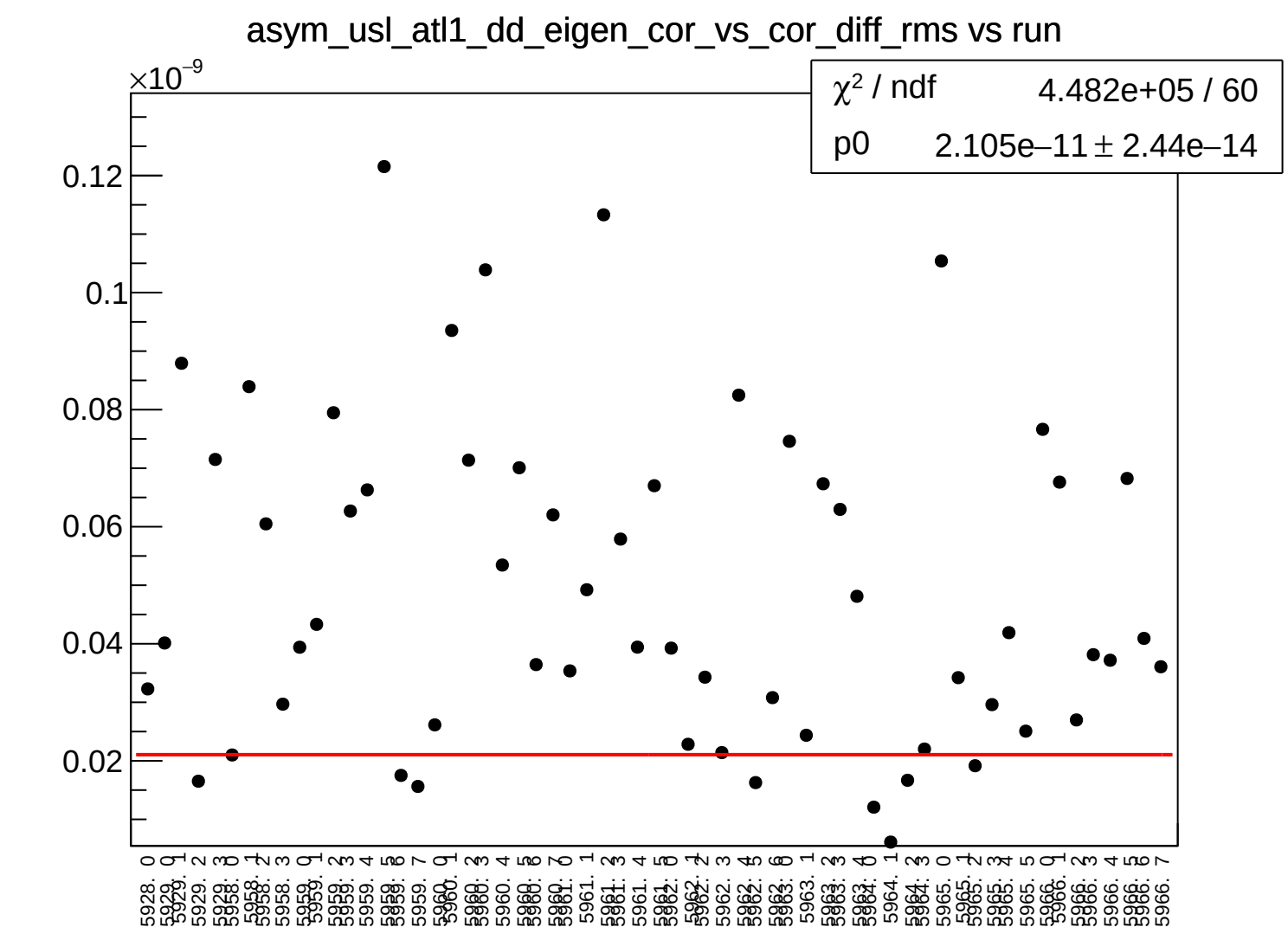

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.51e+05 / 60
p0 21.11 ± 0.02068
70
60
50
40
30
20
10

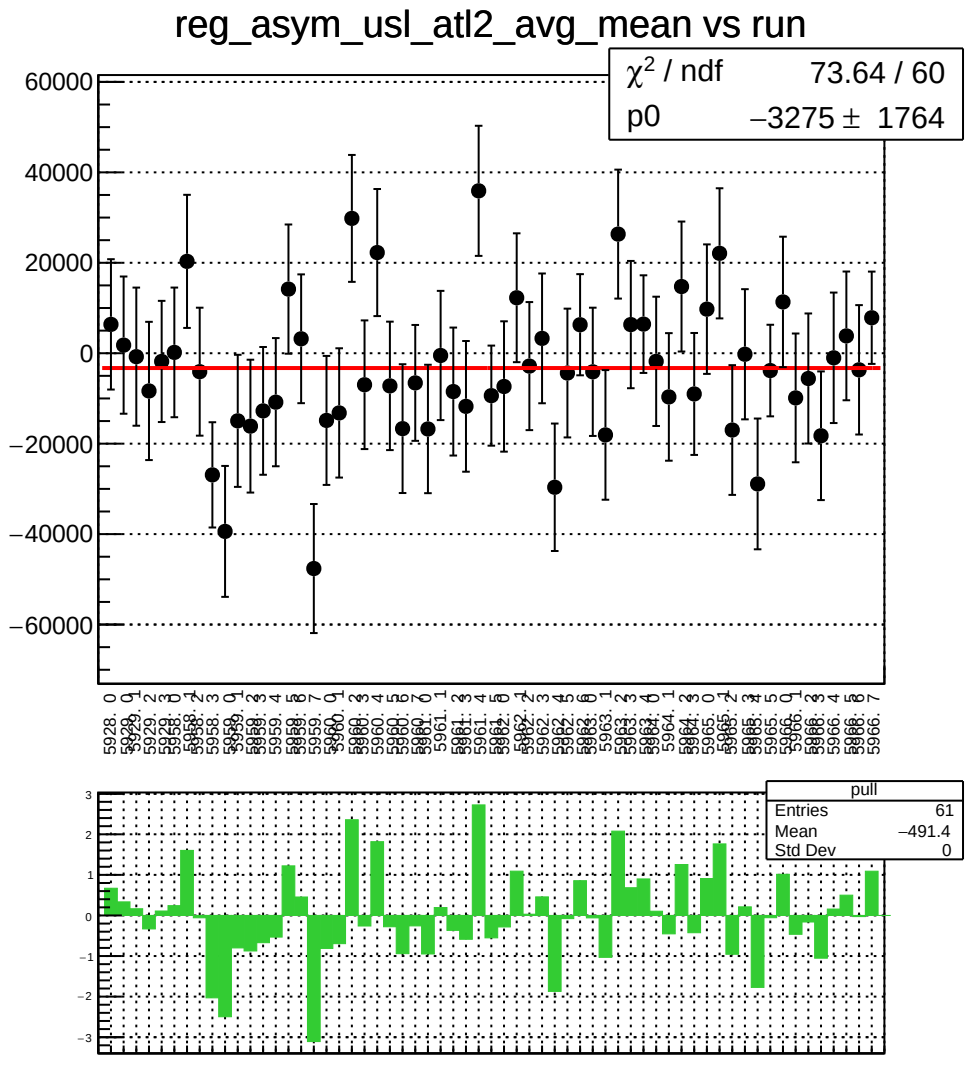

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.77 / 60
p0 0.0234 ± 0.02925
pull
Entries 61
Mean −11.05
Std Dev 0
pull1D
Entries 61
Mean −0.09114
Std Dev 1.111

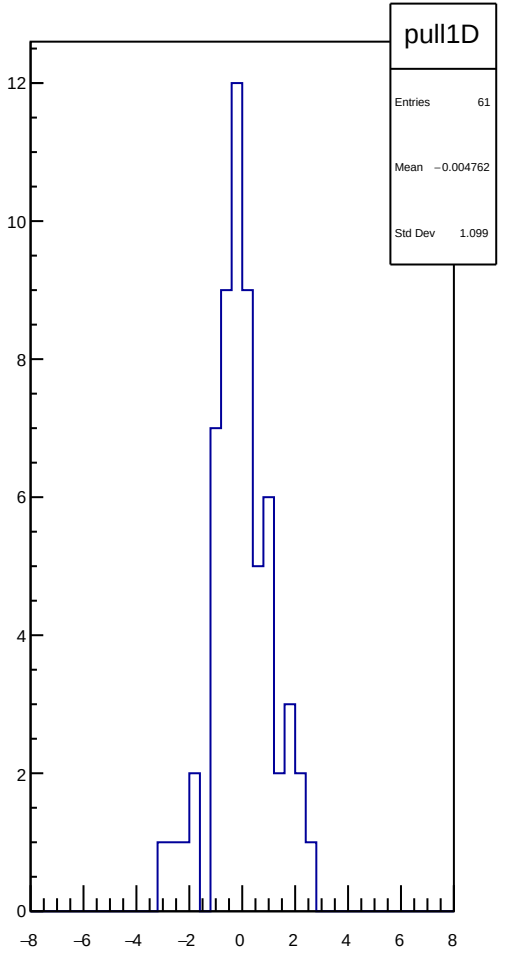

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.51e+05 / 60
p0 21.11 ± 0.02068
70
60
50
40
30
20
10

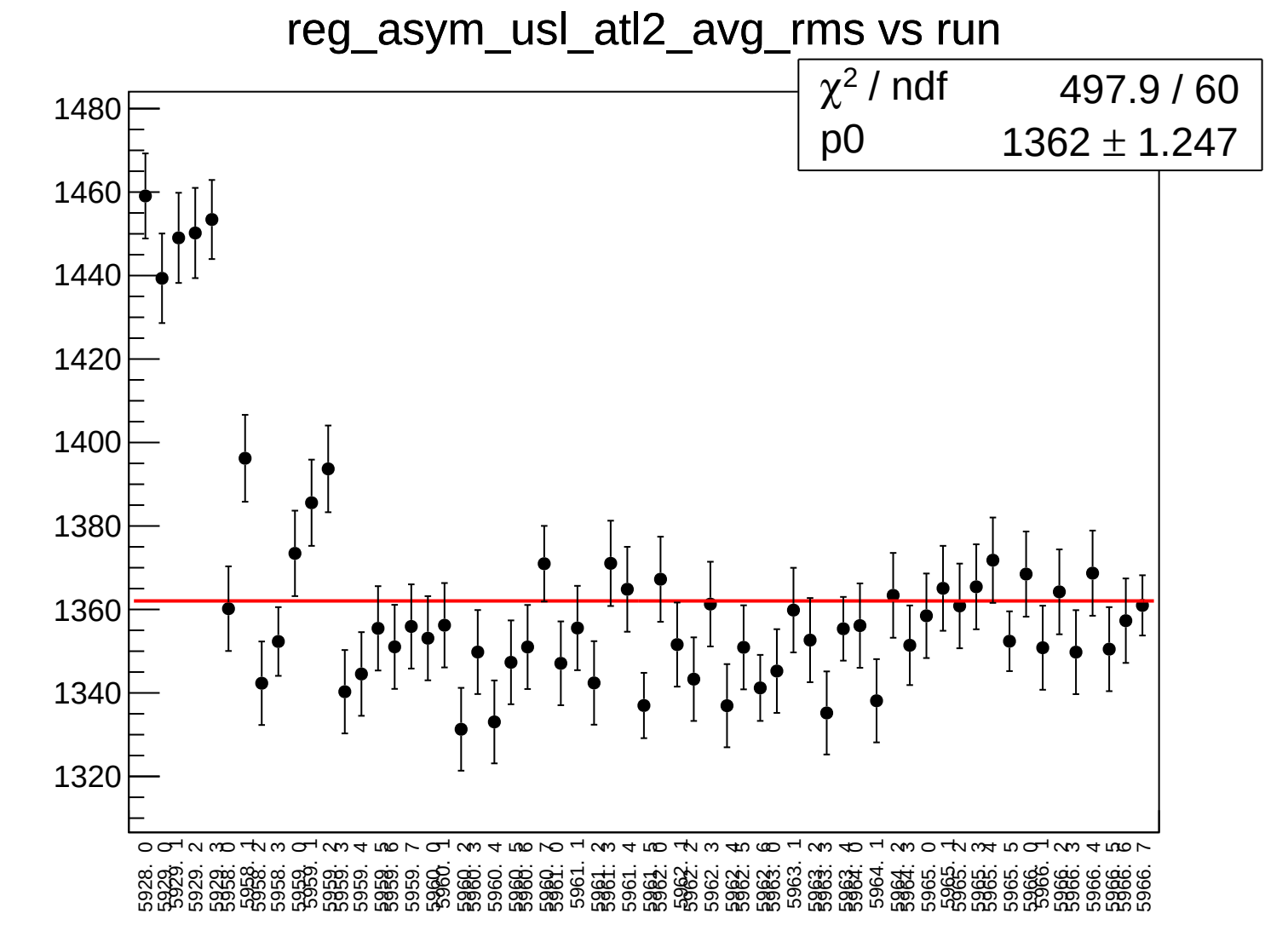

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.21 / 60
p0 1.599e−14 ± 3.45e−14
pull
Entries 61
Mean 0.1967
Std Dev 0

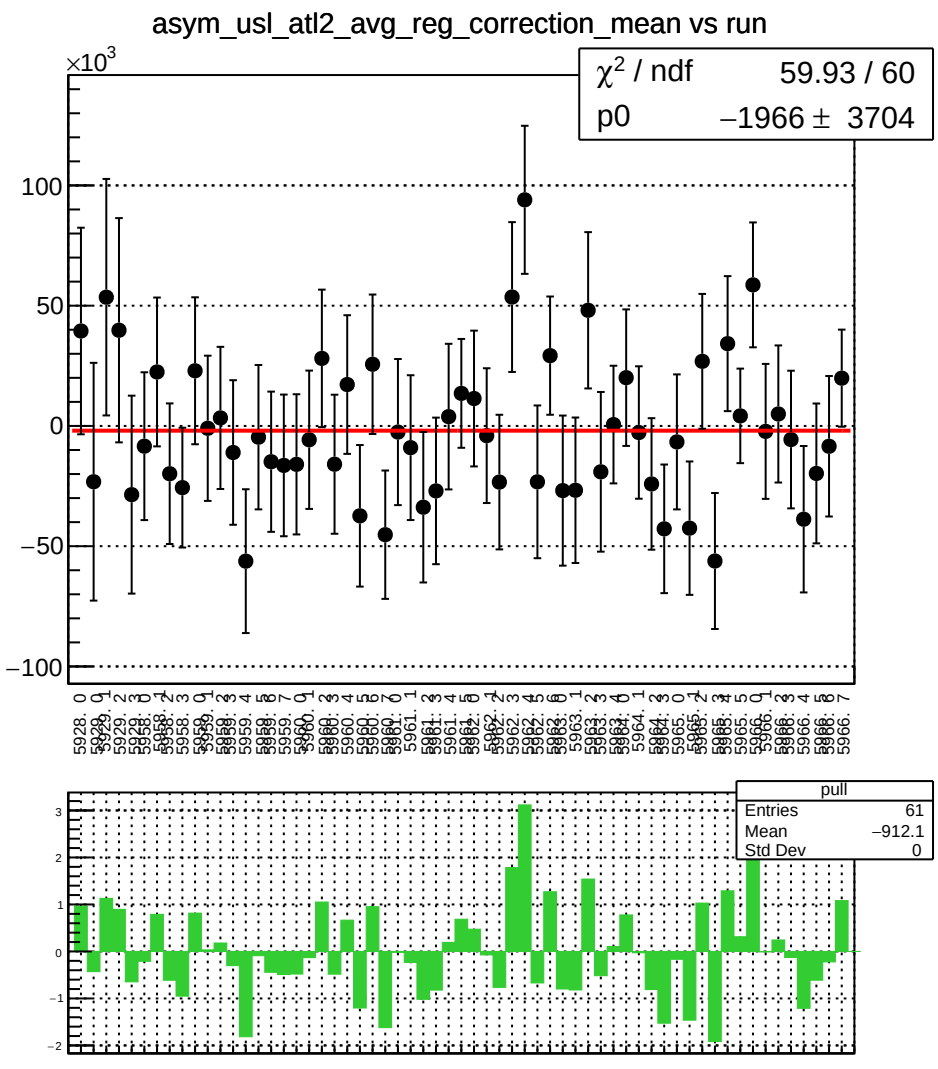

pull1D
Entries 61
Mean −0.1222
Std Dev 1.154

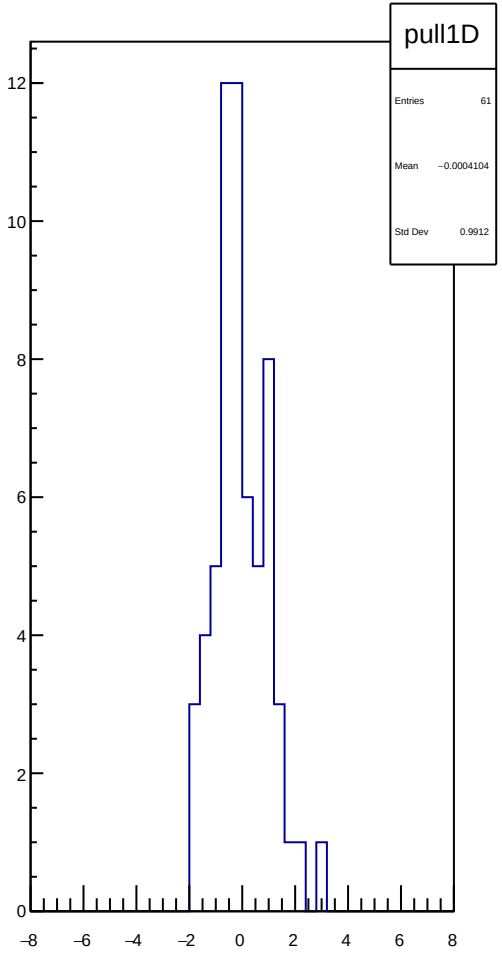

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.482e+05 / 60
p0 2.105e−11 ± 2.44e−14
0.12
0.1
0.08
0.06
0.04
0.02

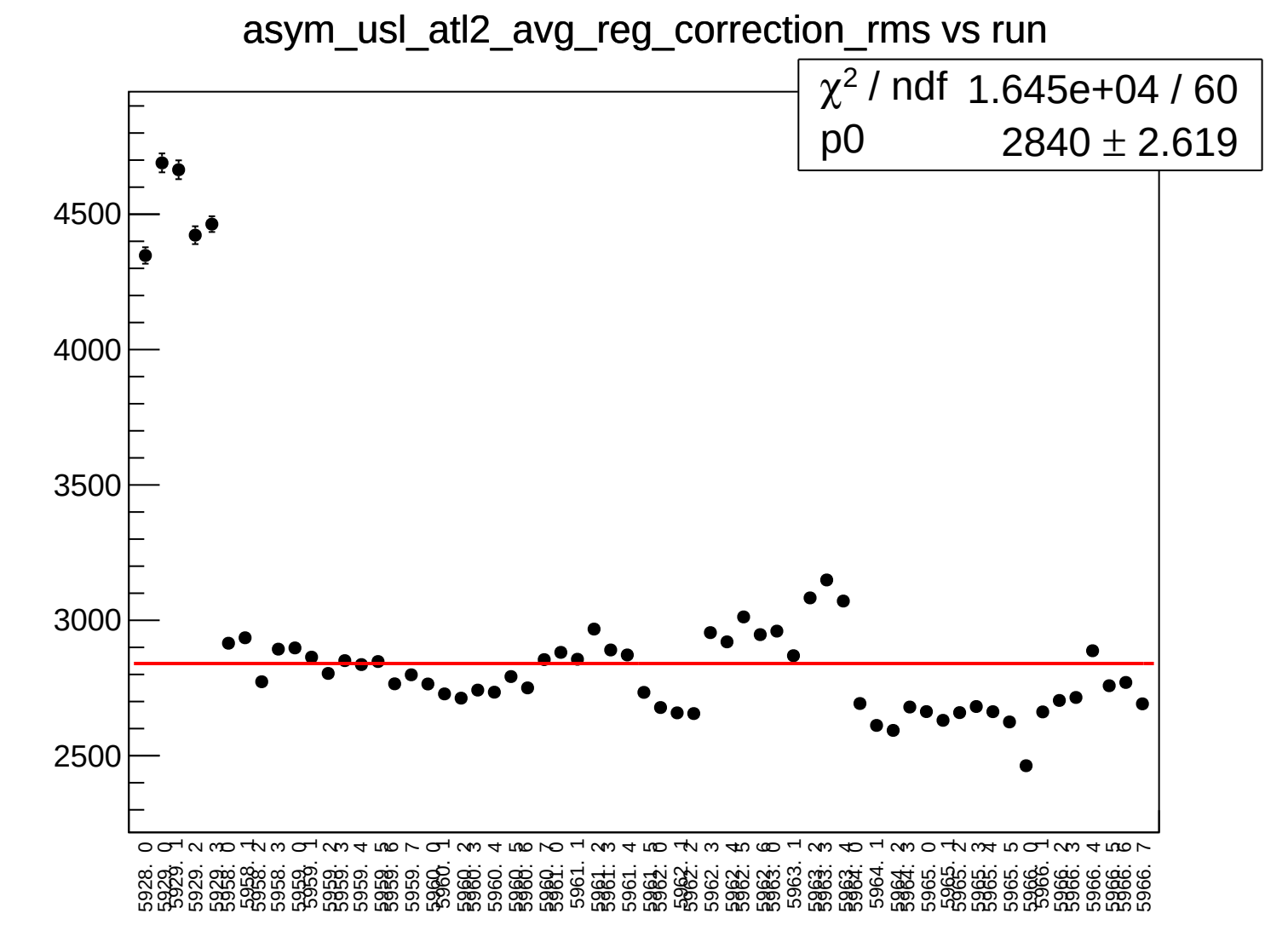

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 73.64 / 60
p0 −3275 ± 1764
pull
Entries 61
Mean −491.4
Std Dev 0

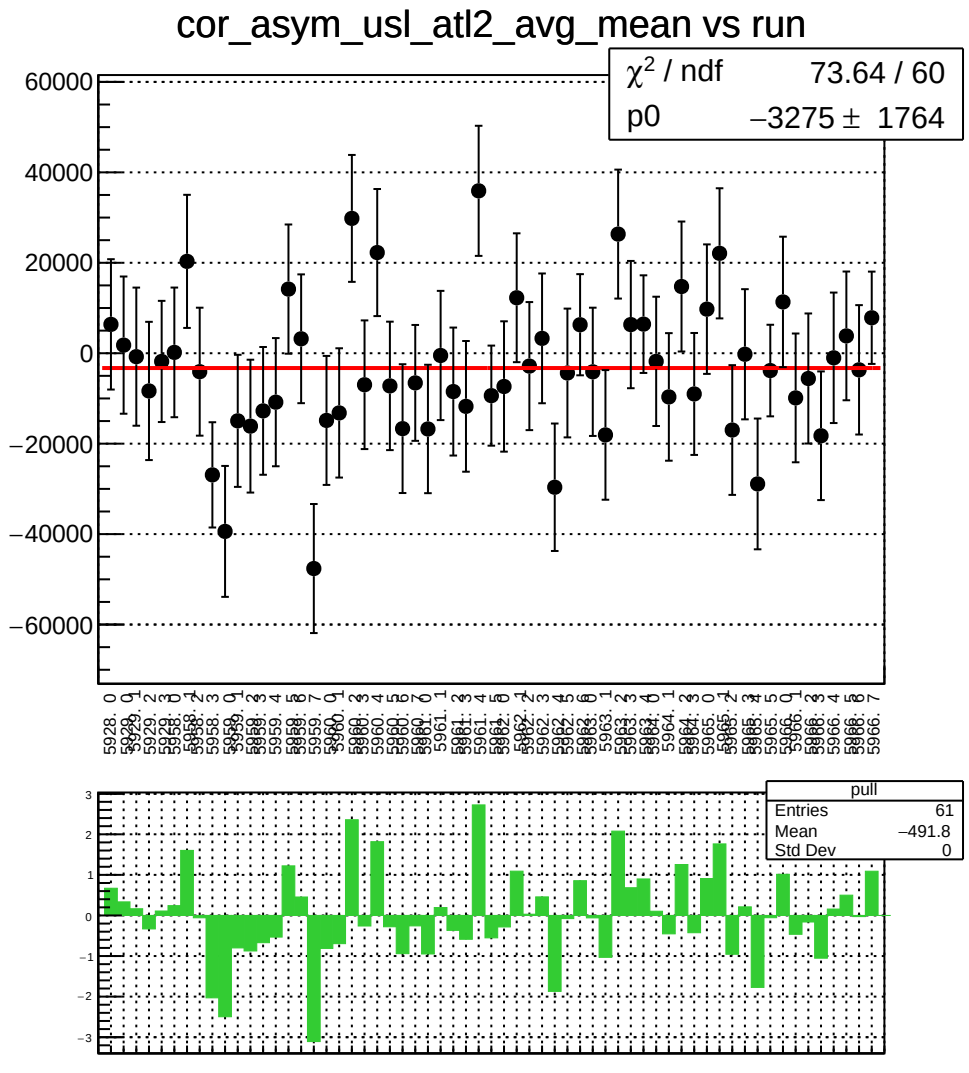

pull1D
Entries 61
Mean −0.004762
Std Dev 1.099

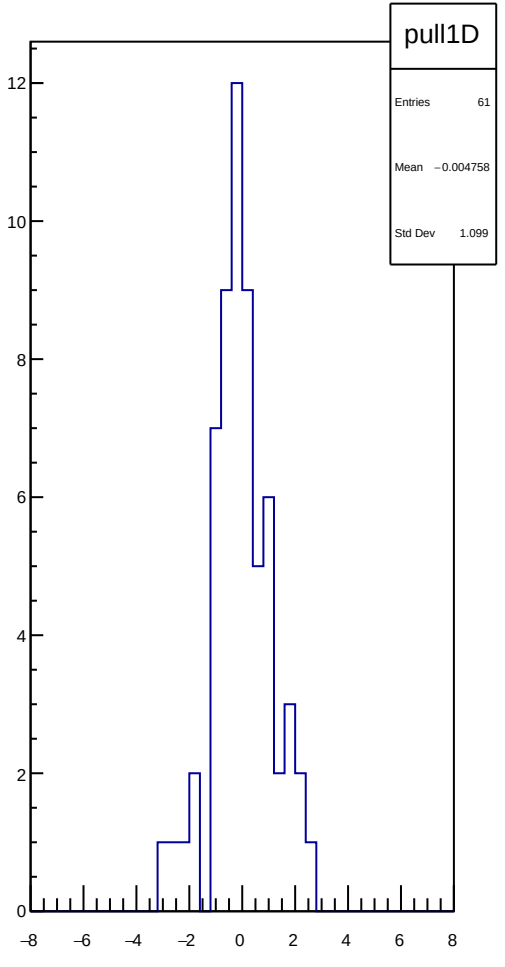

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 497.9 / 60
p0 1362 ± 1.247
1480
1460
1440
1420
1400
1380
1360
1340
1320

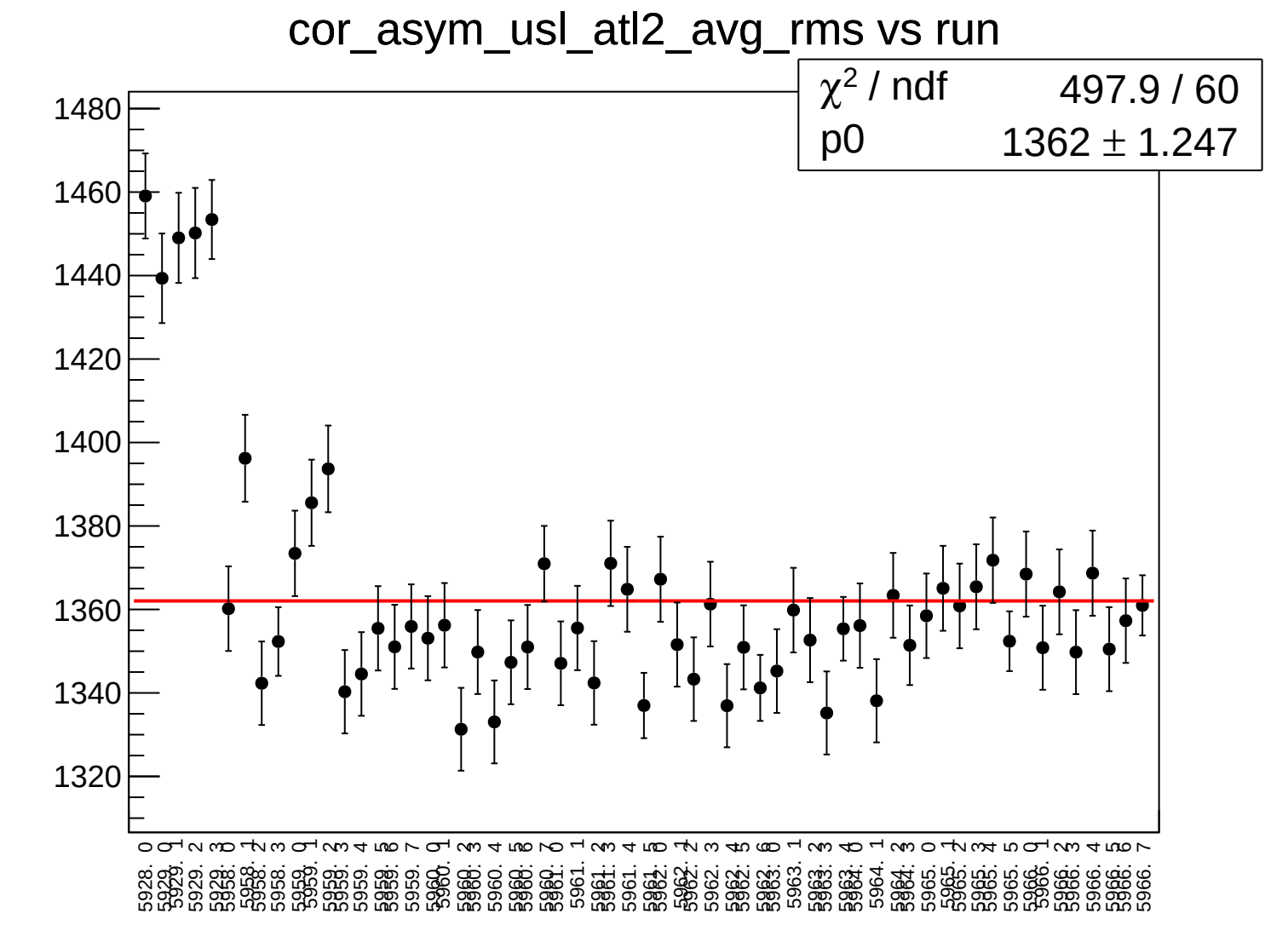

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 59.93 / 60
p0 −1966 ± 3704
pull
Entries 61
Mean −912.1
Std Dev 0

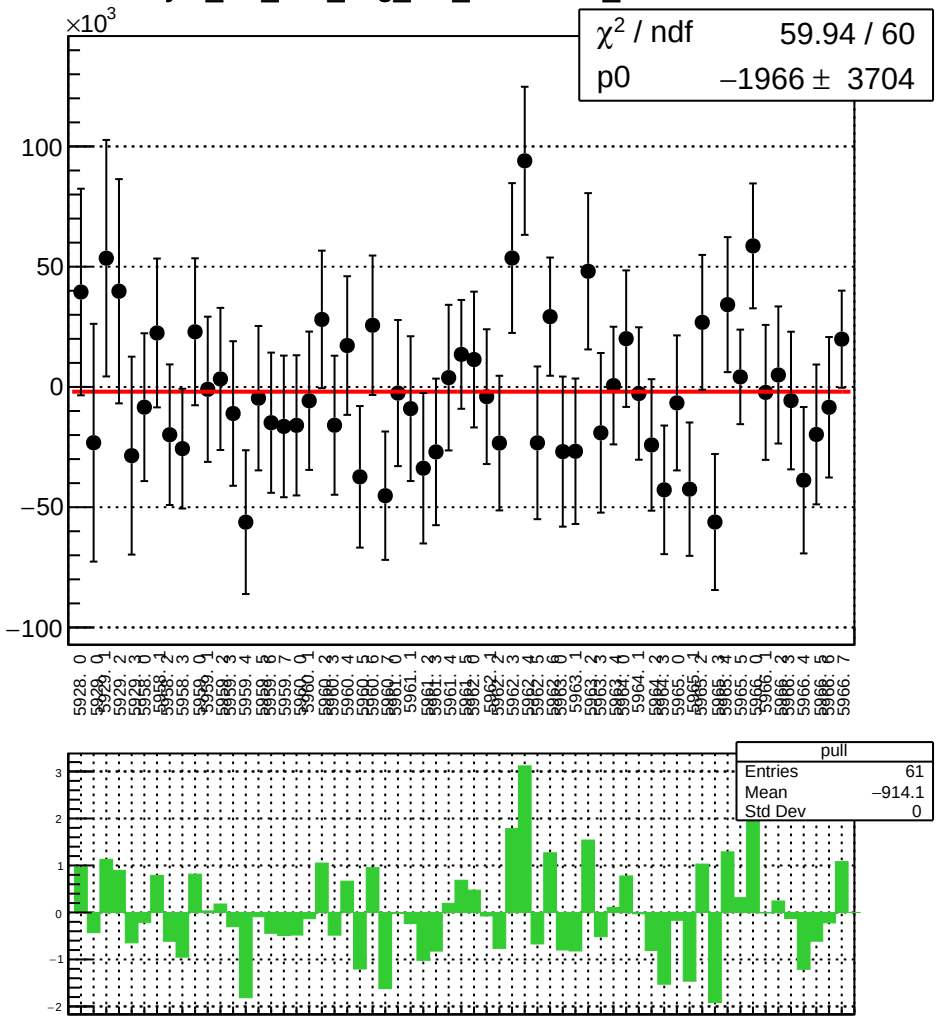

pull1D
Entries 61
Mean −0.0004104
Std Dev 0.9912

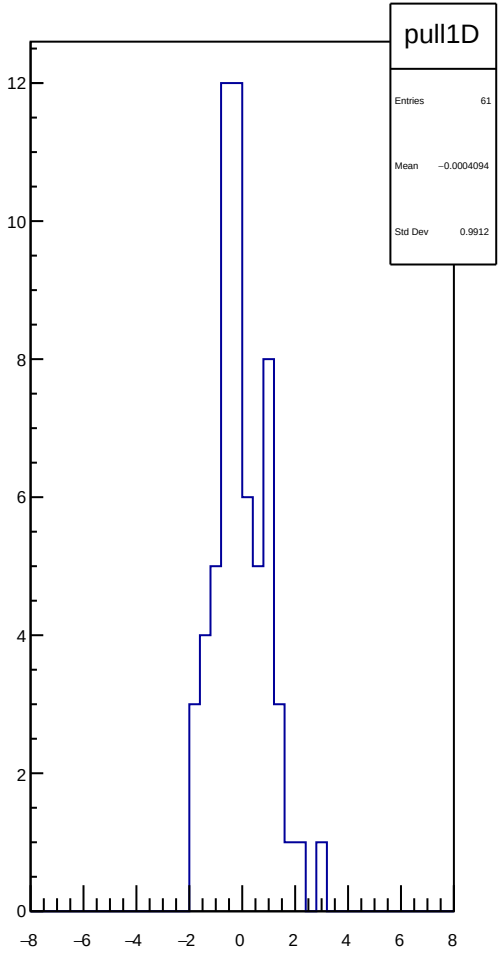

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1.645e+04 / 60
p0 2840 ± 2.619
4500
4000
3500
3000
2500

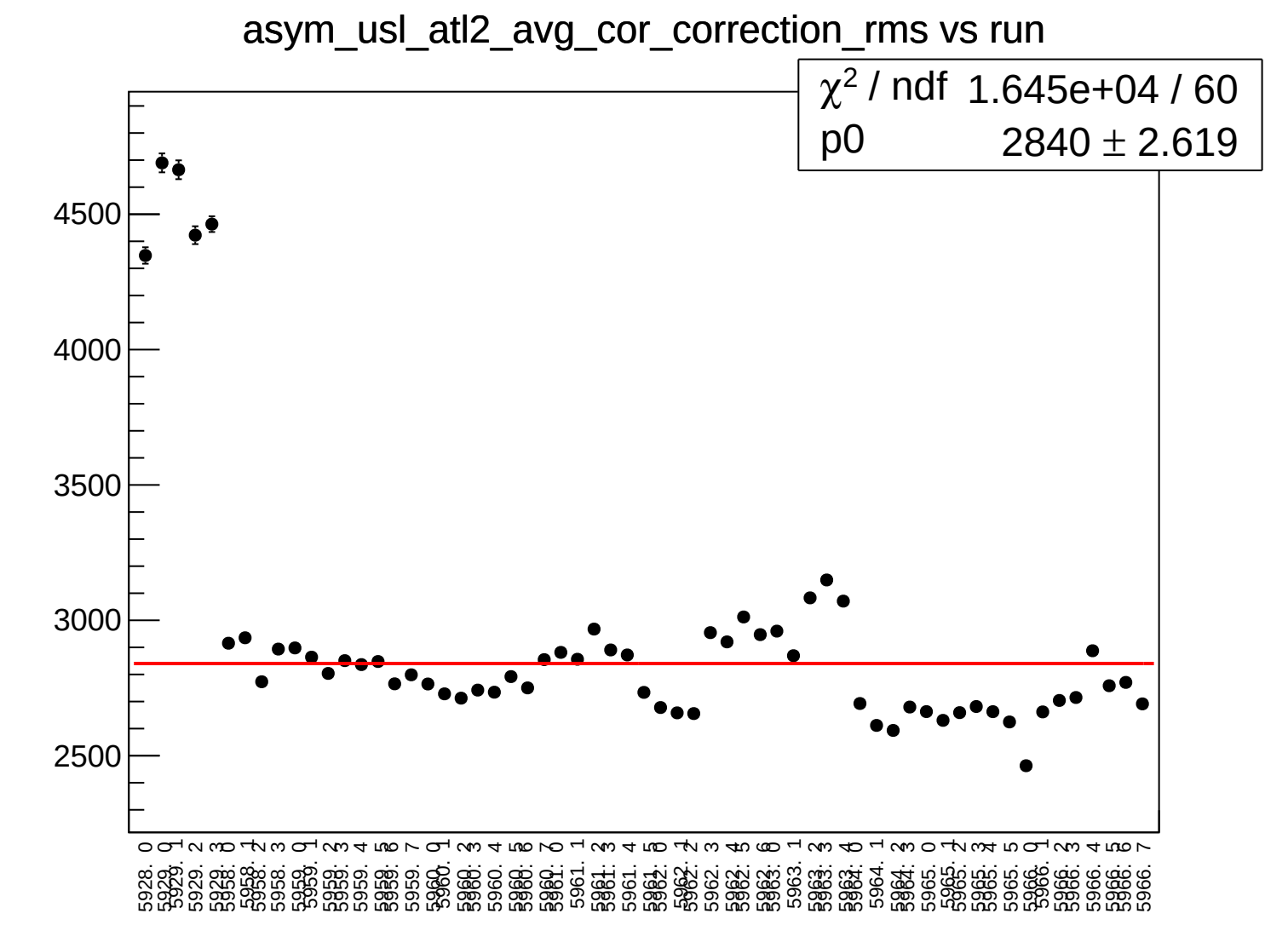

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 73.64 / 60
p0 −3275 ± 1764
pull
Entries 61
Mean −491.8
Std Dev 0

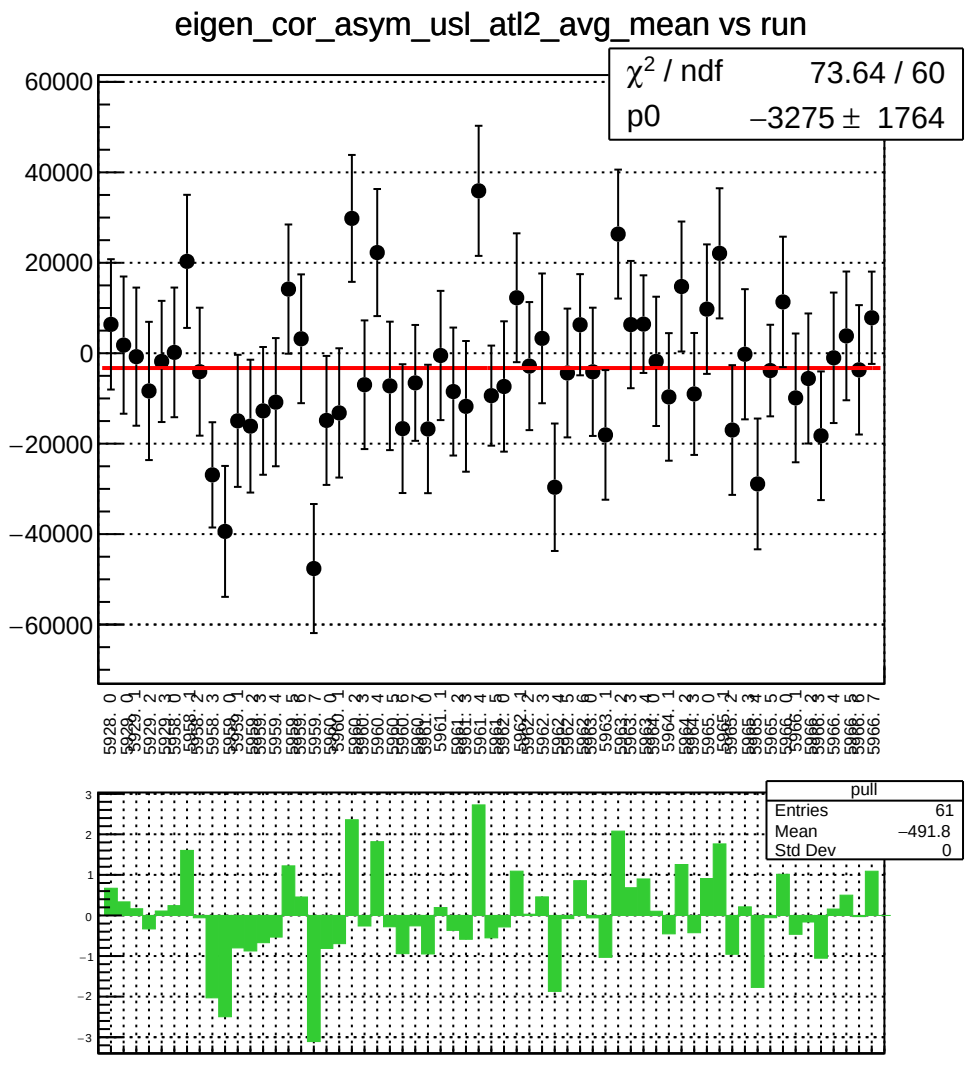

pull1D
Entries 61
Mean −0.004758
Std Dev 1.099

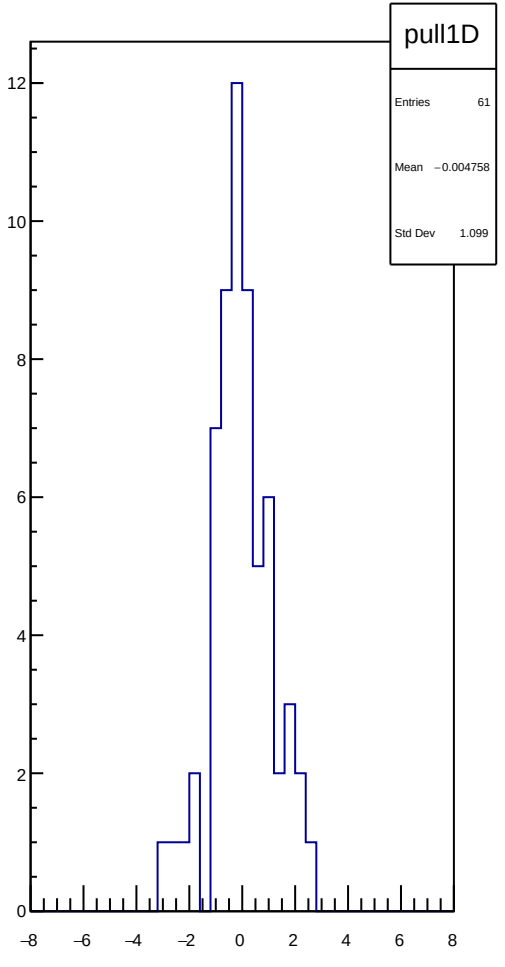

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 497.9 / 60
p0 1362 ± 1.247
1480
1460
1440
1420
1400
1380
1360
1340
1320

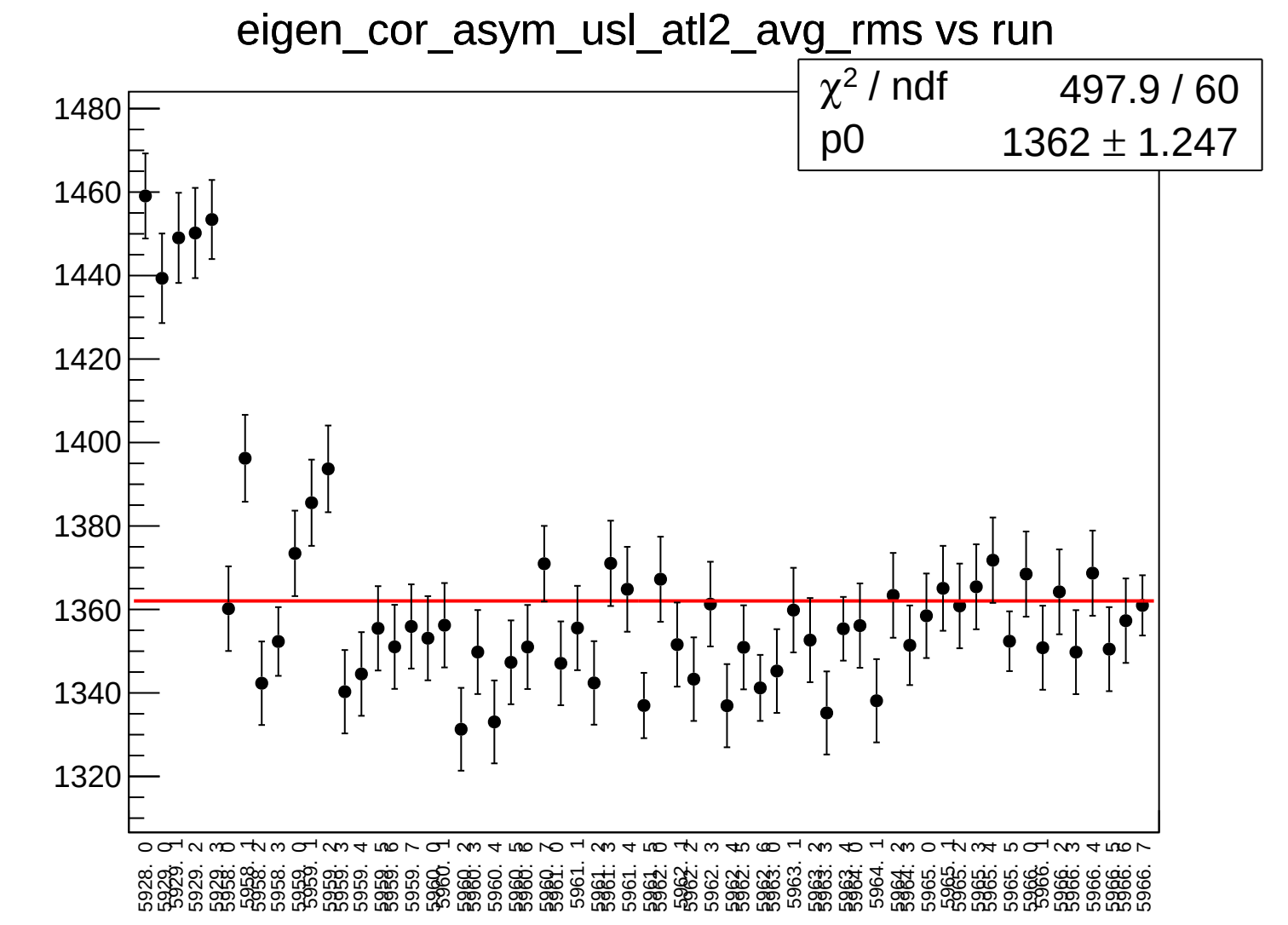

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 59.94 / 60
p0 −1966 ± 3704
100
50
0
−50
−100
pull
Entries 61
Mean −914.1
Std Dev 0
3
2
1
0
−1
−2

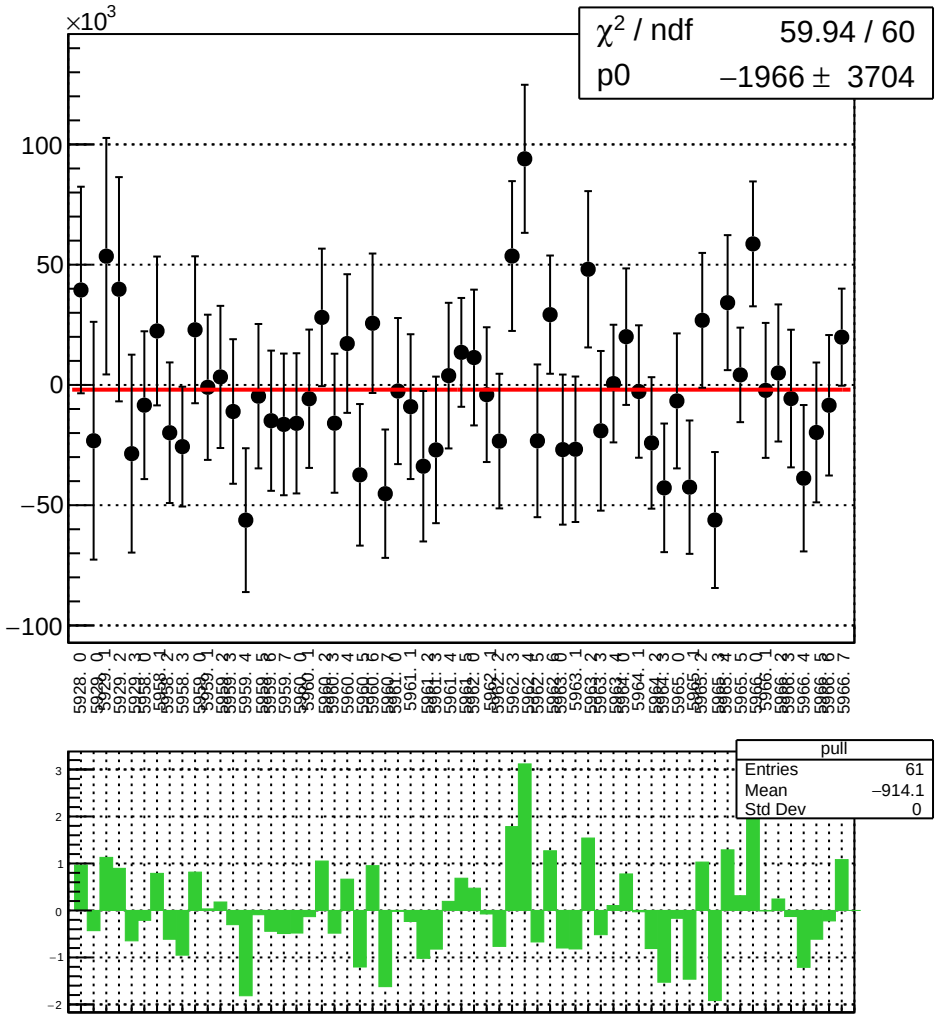

pull1D
Entries 61
Mean −0.0004094
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

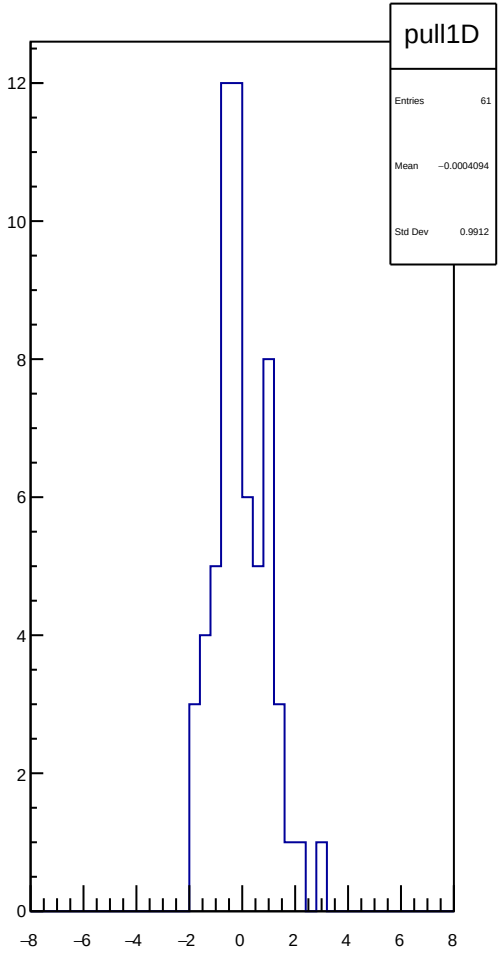

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1.645e+04 / 60
p0 2840 ± 2.619
4500
4000
3500
3000
2500

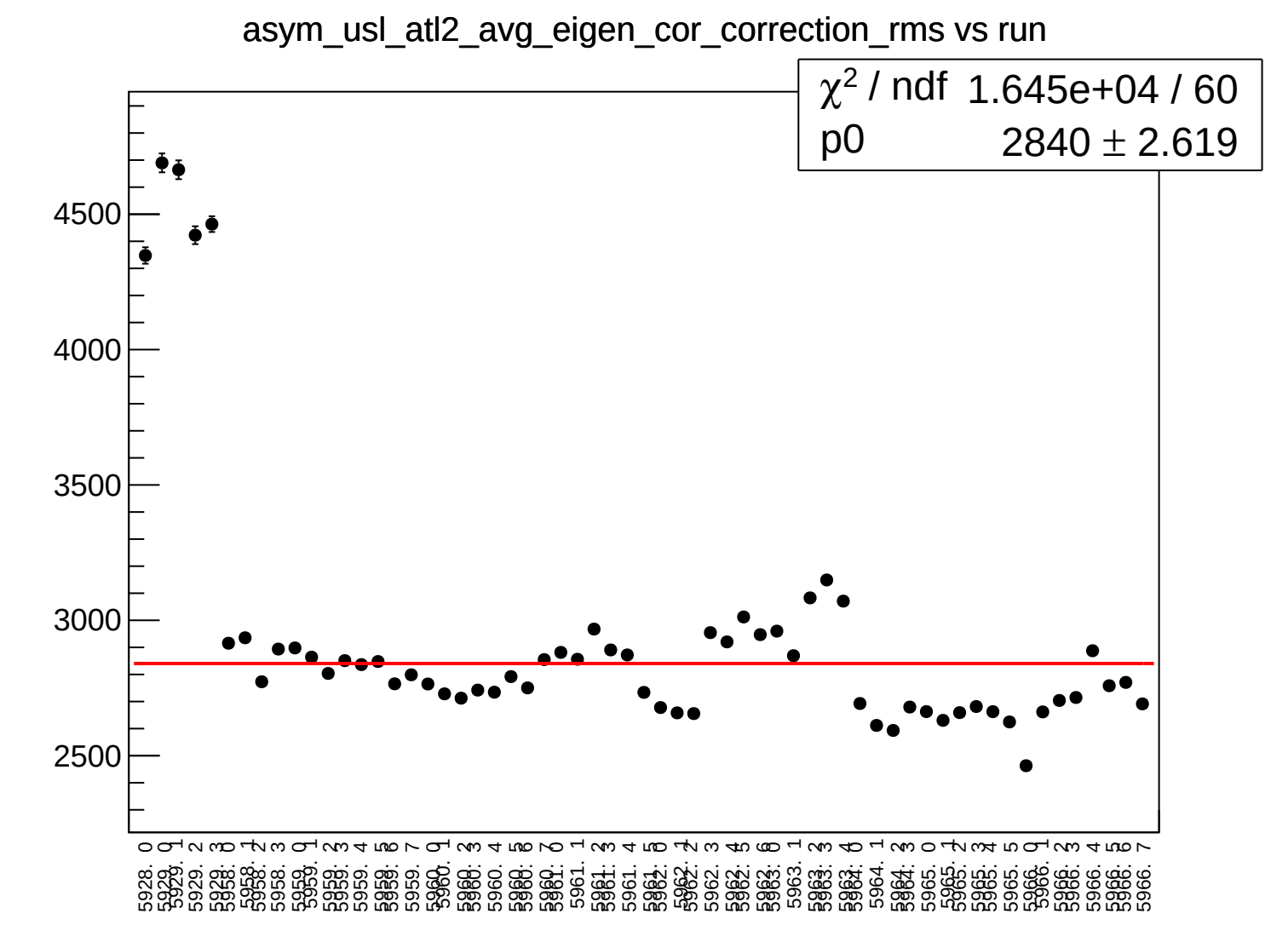

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 73.64 / 60
p0 −3275 ± 1764
pull
Entries 61
Mean −491.8
Std Dev 0

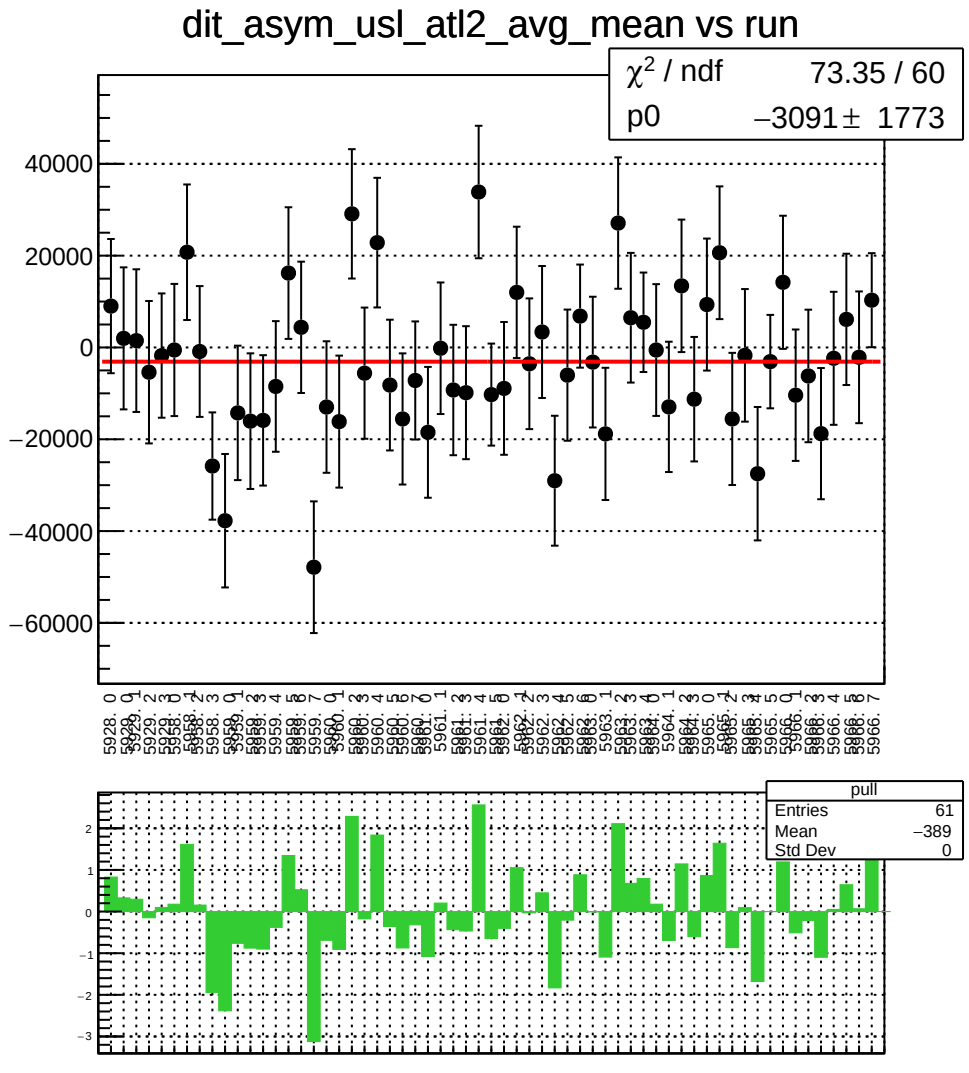

pull1D
Entries 61
Mean −0.004758
Std Dev 1.099

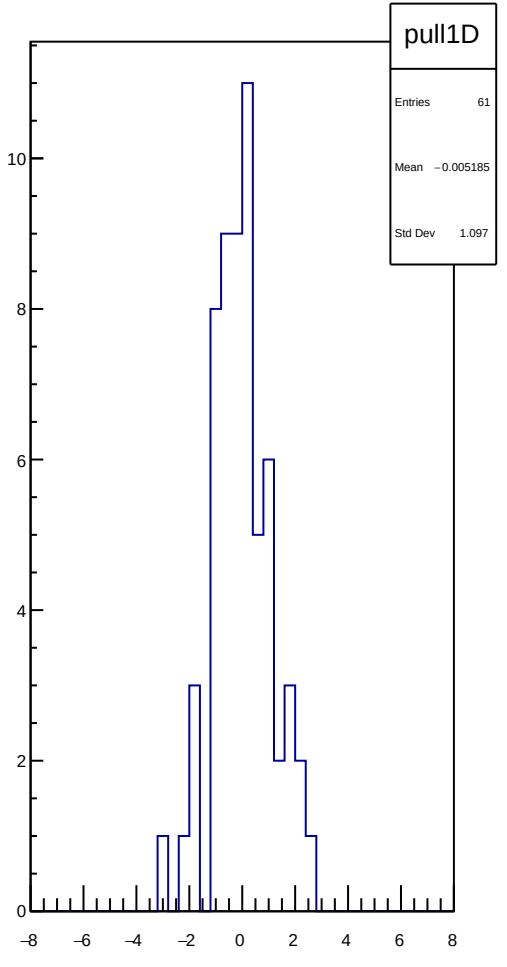

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 497.9 / 60
p0 1362 ± 1.247
1480
1460
1440
1420
1400
1380
1360
1340
1320

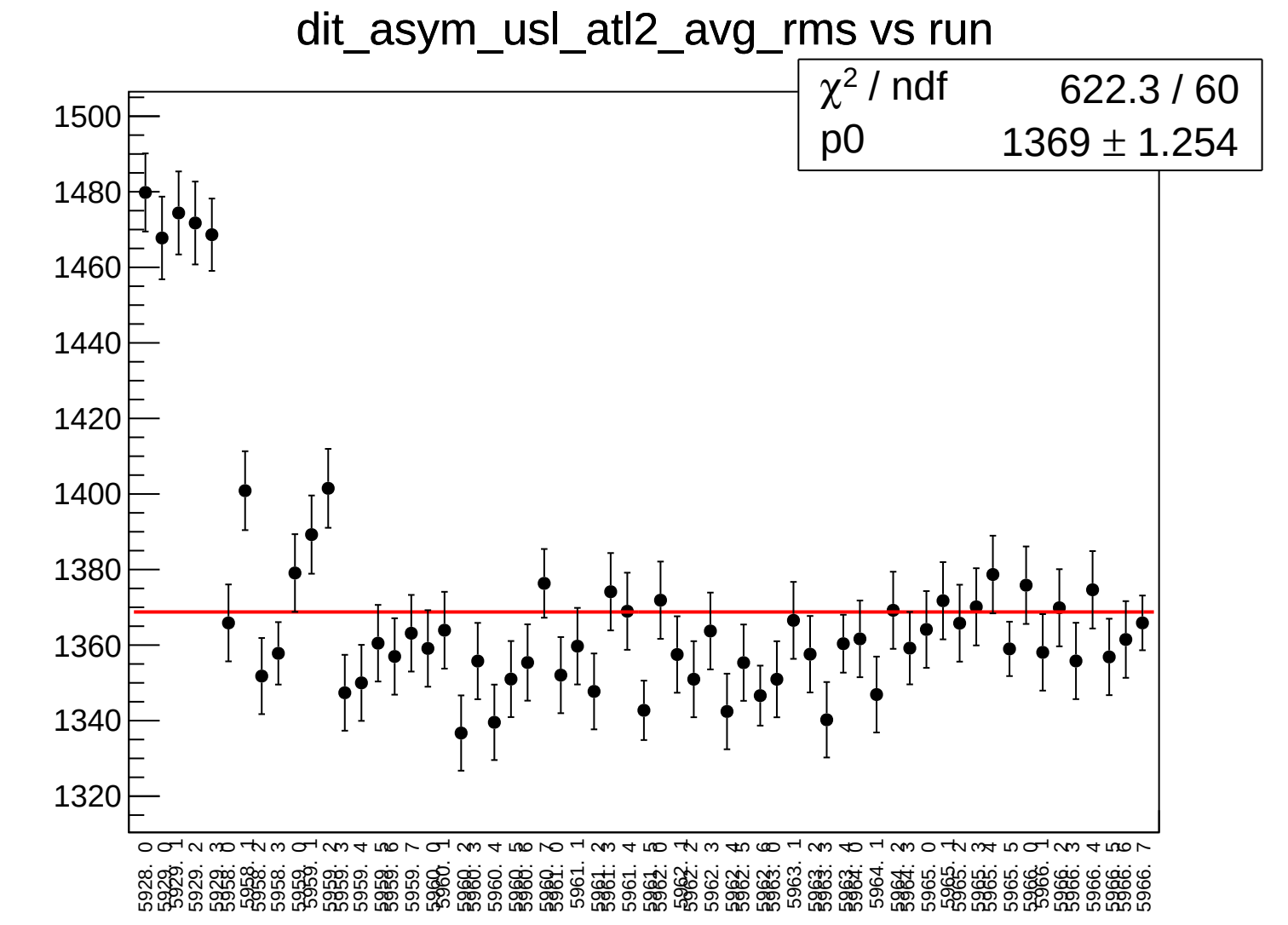

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 59.94 / 60
p0 −1966 ± 3704
100
50
0
−50
−100
pull
Entries 61
Mean −914.1
Std Dev 0
3
2
1
0
−1
−2

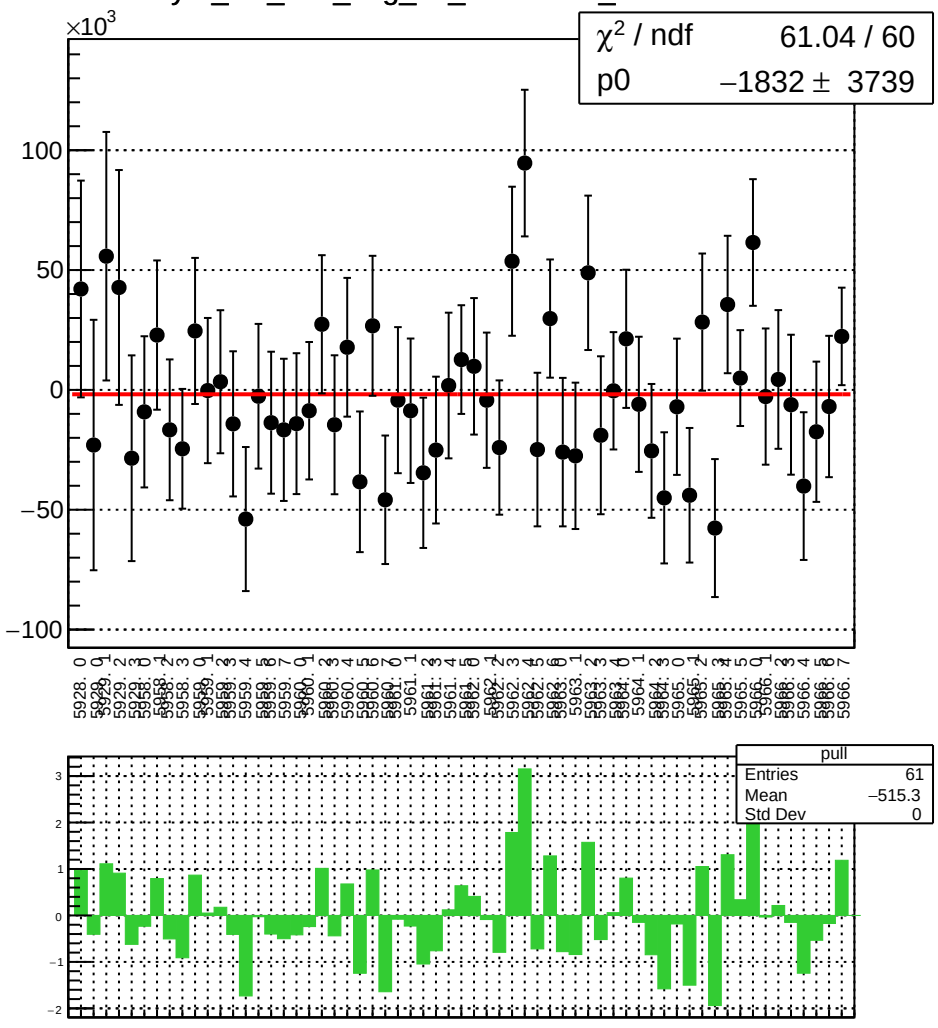

pull1D
Entries 61
Mean −0.0004094
Std Dev 0.9912
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

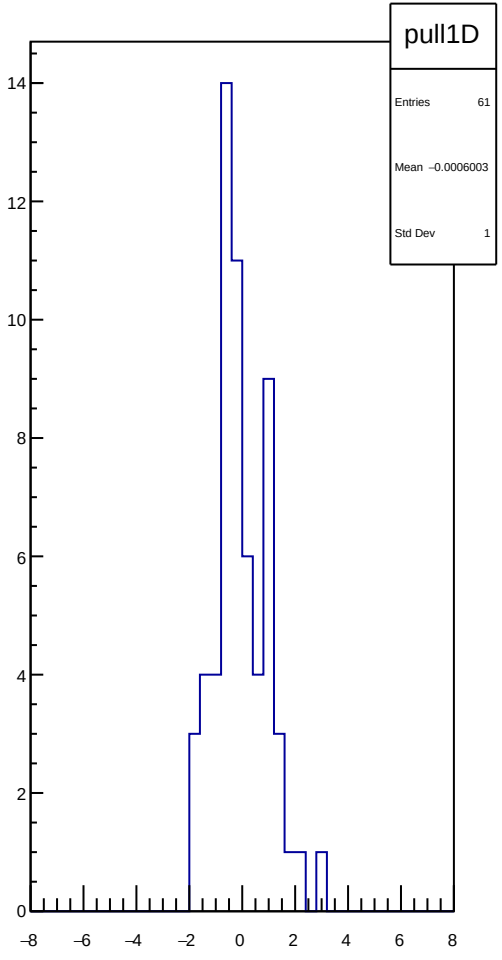

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.645e+04 / 60
p0 2840 ± 2.619
4500
4000
3500
3000
2500

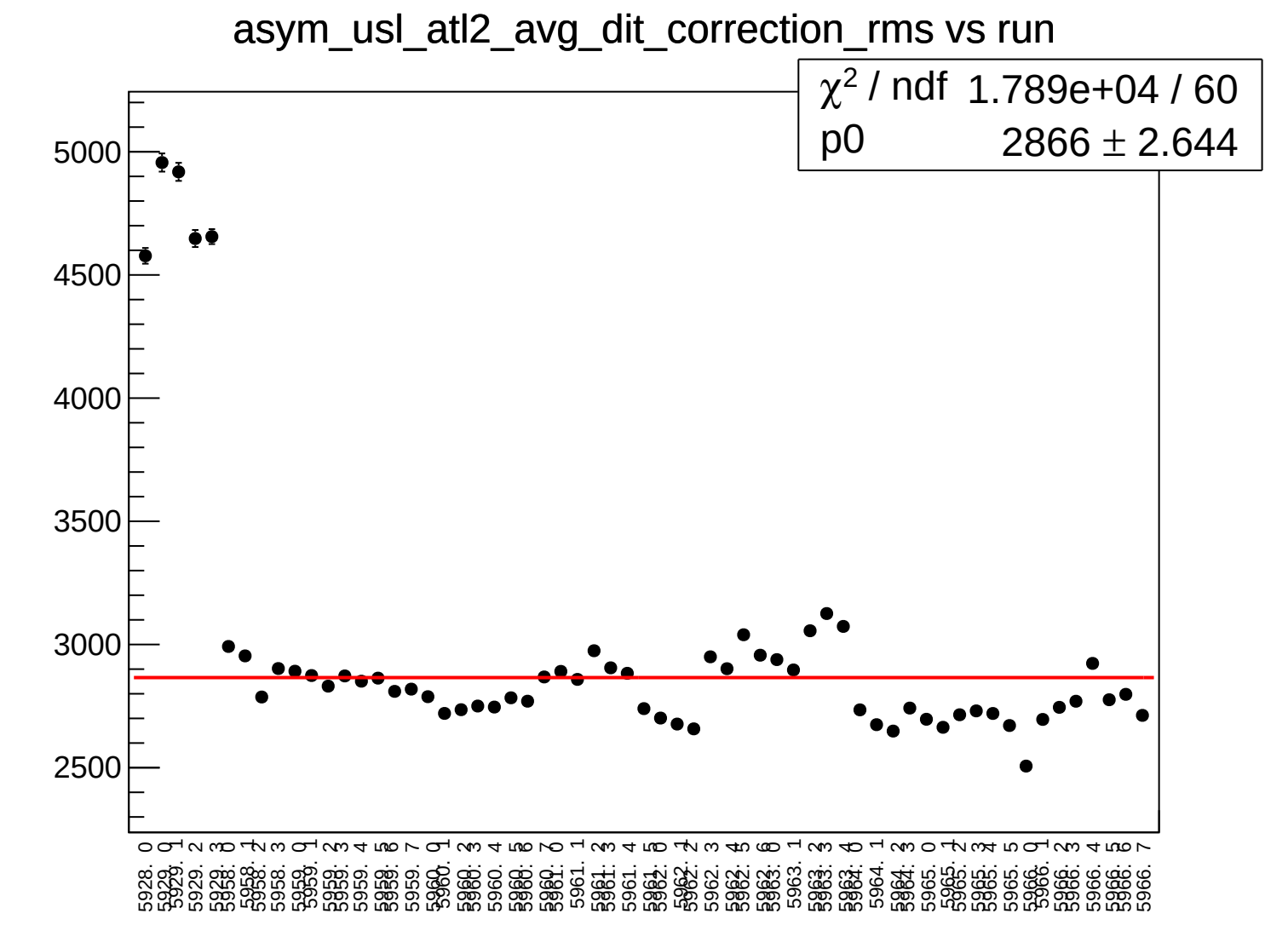

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 73.35 / 60
p0 −3091 ± 1773
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −389
Std Dev 0
2
1
0
−1
−2
−3

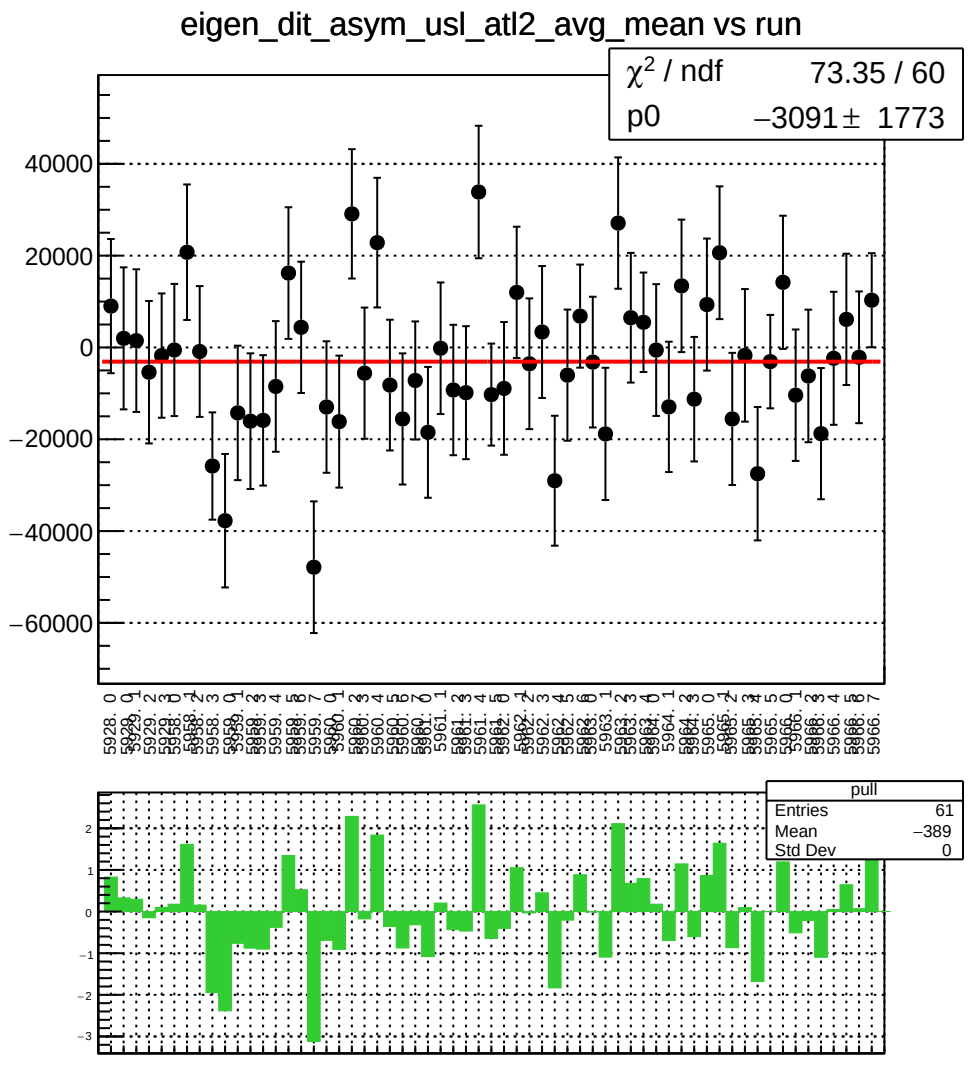

pull1D
Entries 61
Mean −0.005185
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

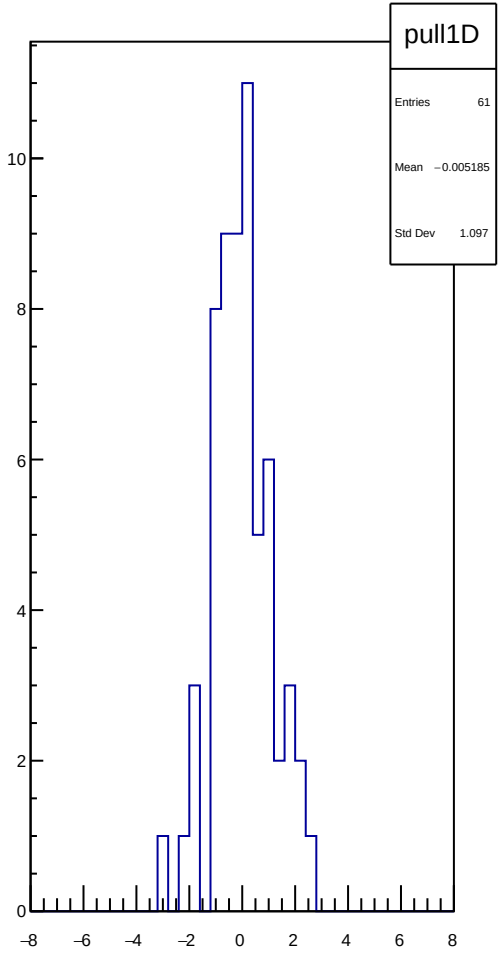

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 622.3 / 60
p0 1369 ± 1.254
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

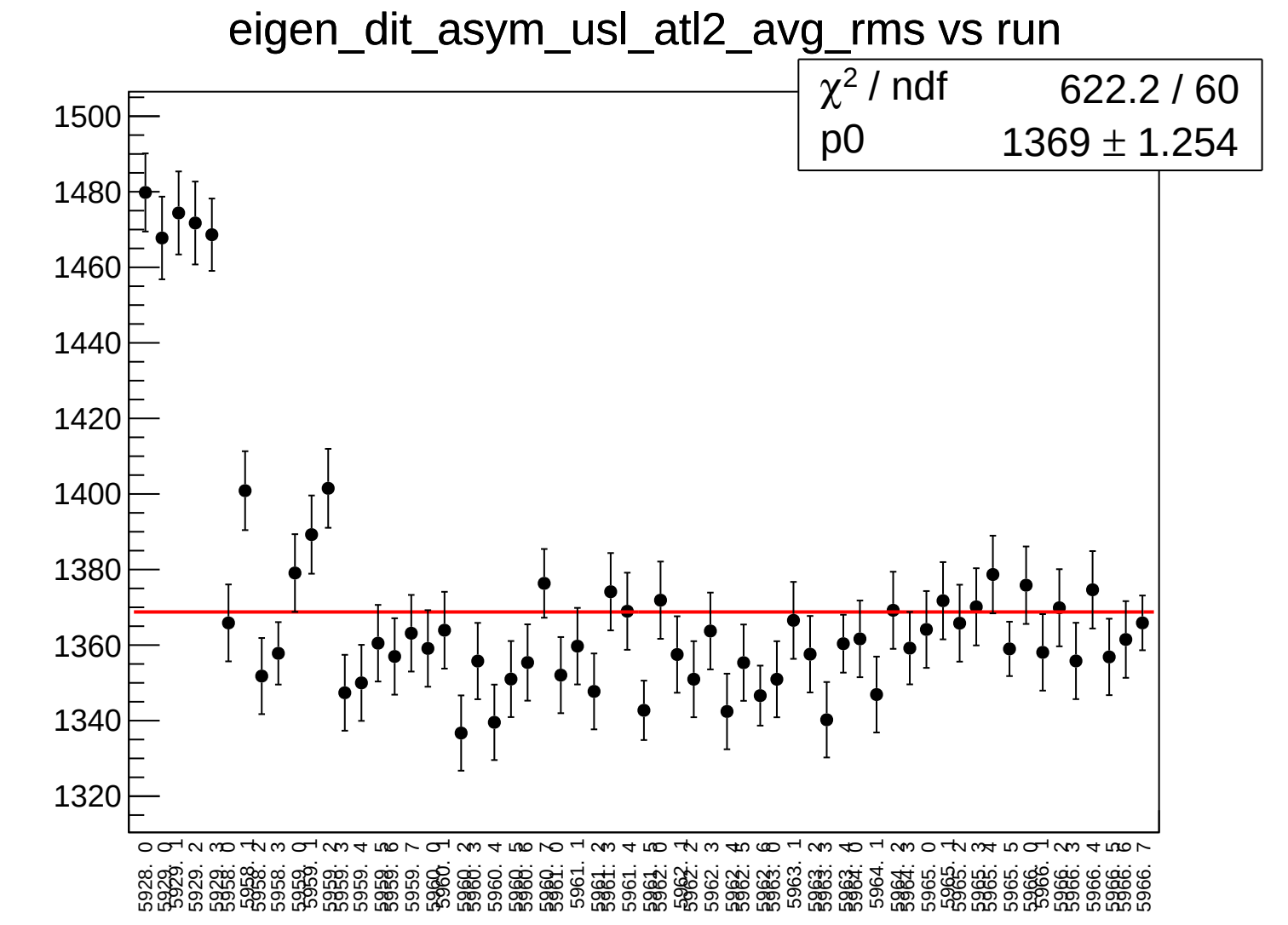

asym_usl_atl2_avg_dit_correction_mean vs run
χ² / ndf 61.04 / 60
p0 −1832 ± 3739
pull
Entries 61
Mean −515.3
Std Dev 0

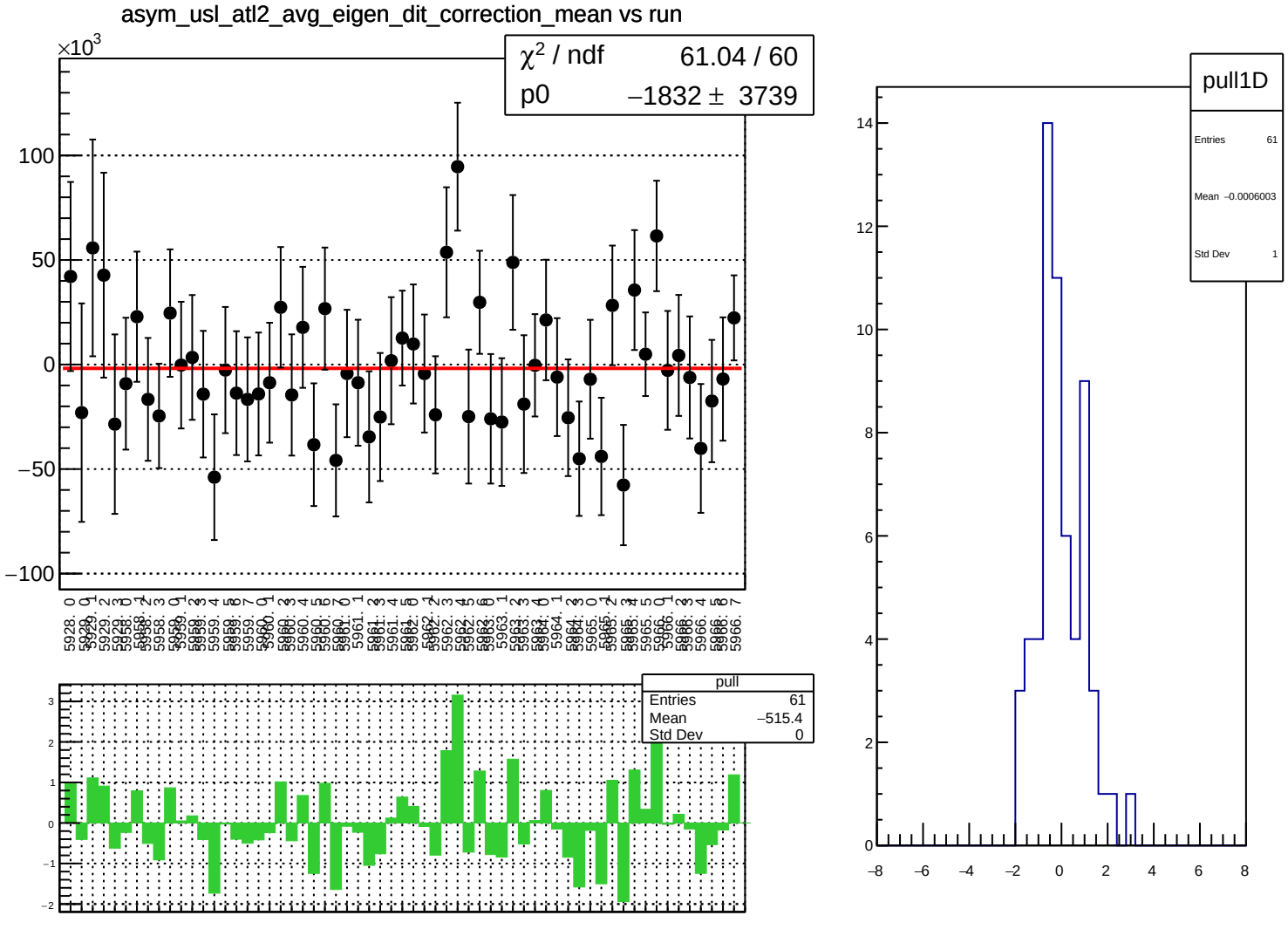

pull1D
Entries 61
Mean −0.0006003
Std Dev 1

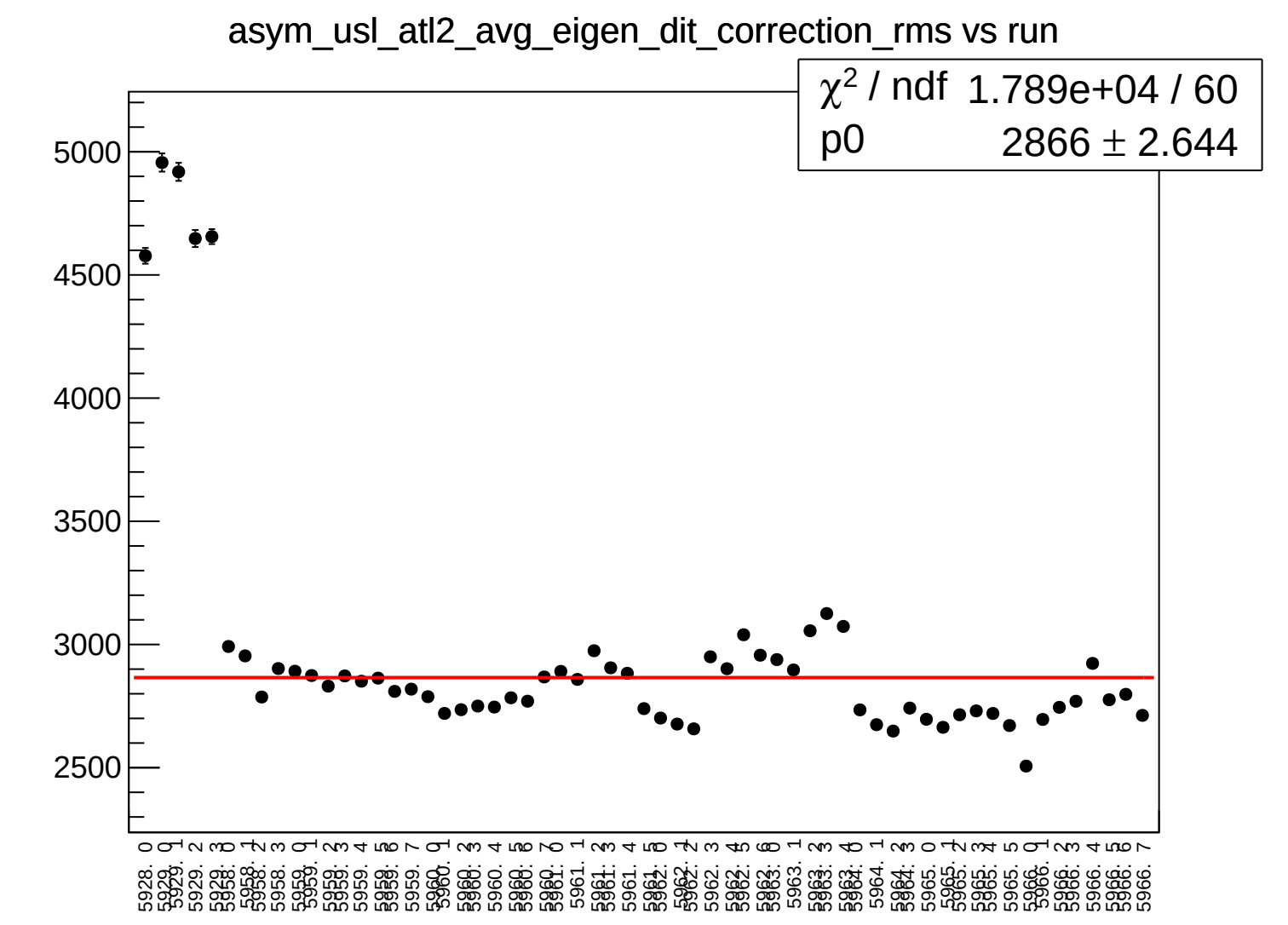

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1.789e+04 / 60
p0 2866 ± 2.644
5000
4500
4000
3500
3000
2500

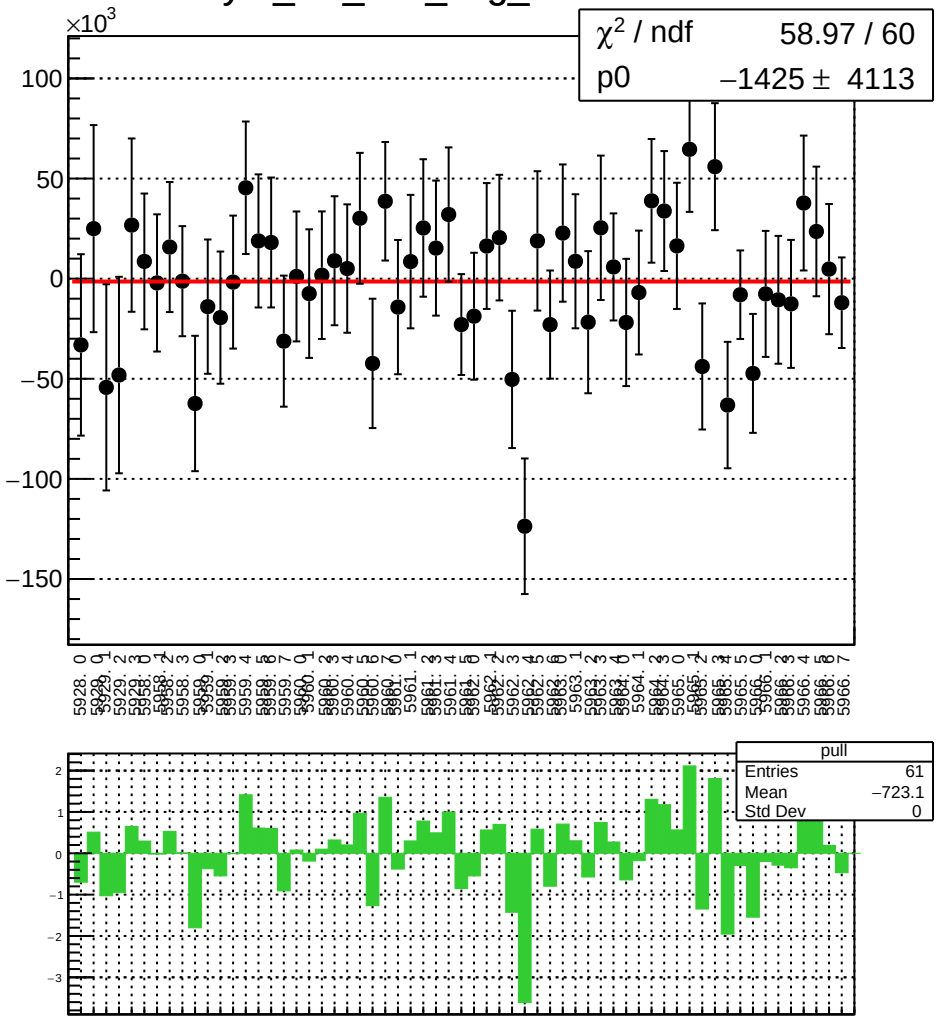

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 73.35 / 60
p0 −3091 ± 1773
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −389
Std Dev 0
2
1
0
−1
−2
−3

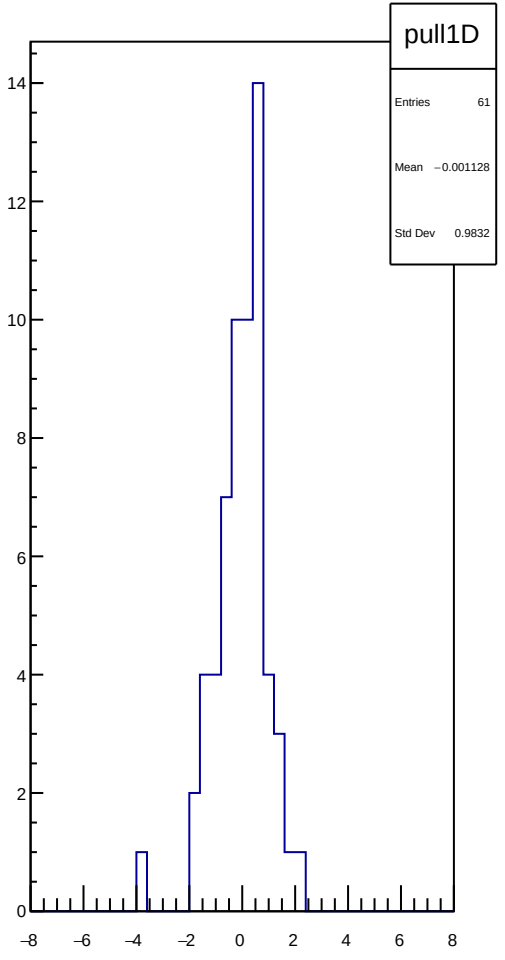

pull1D
Entries 61
Mean −0.005185
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

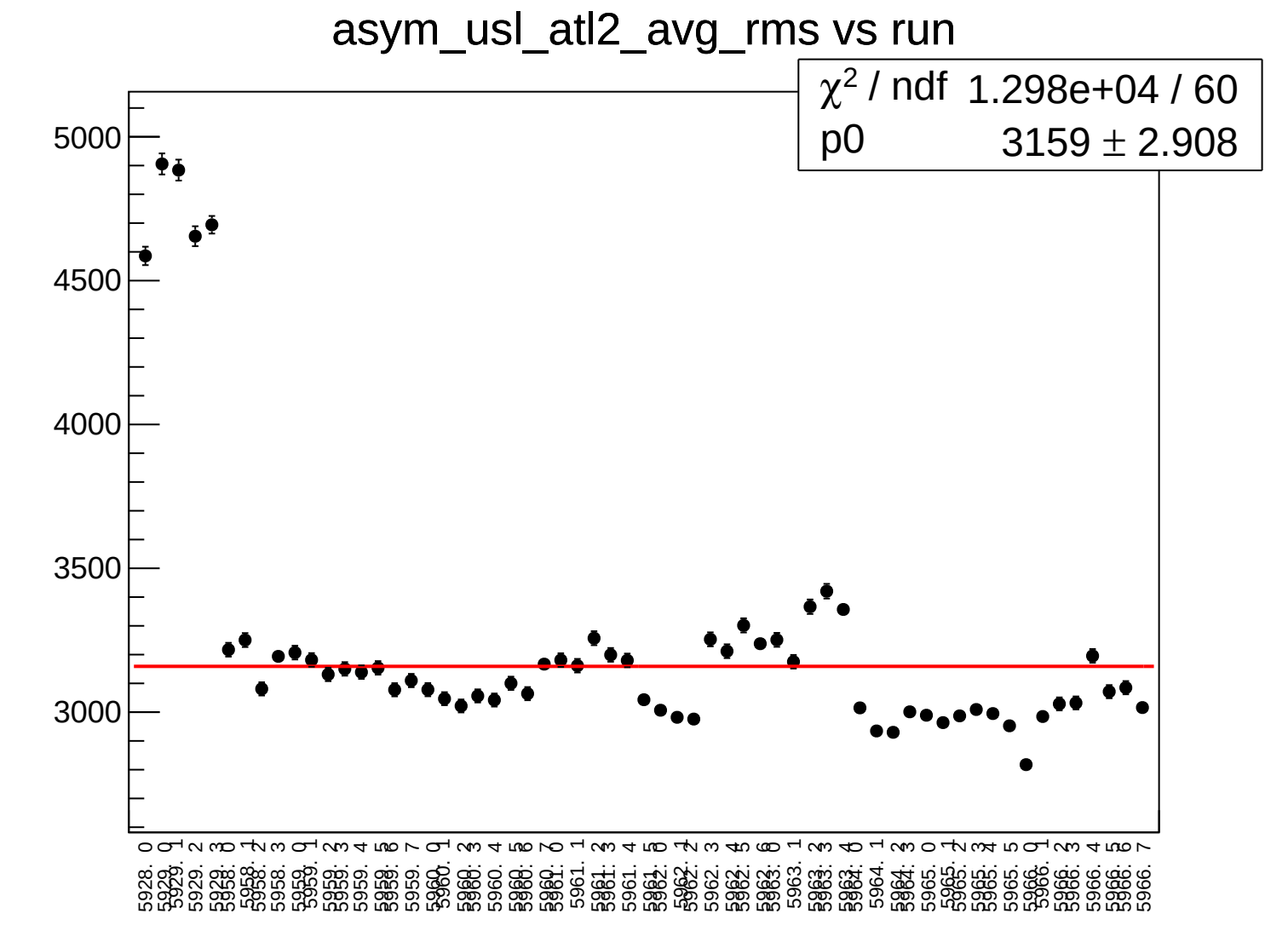

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 622.2 / 60
p0 1369 ± 1.254
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

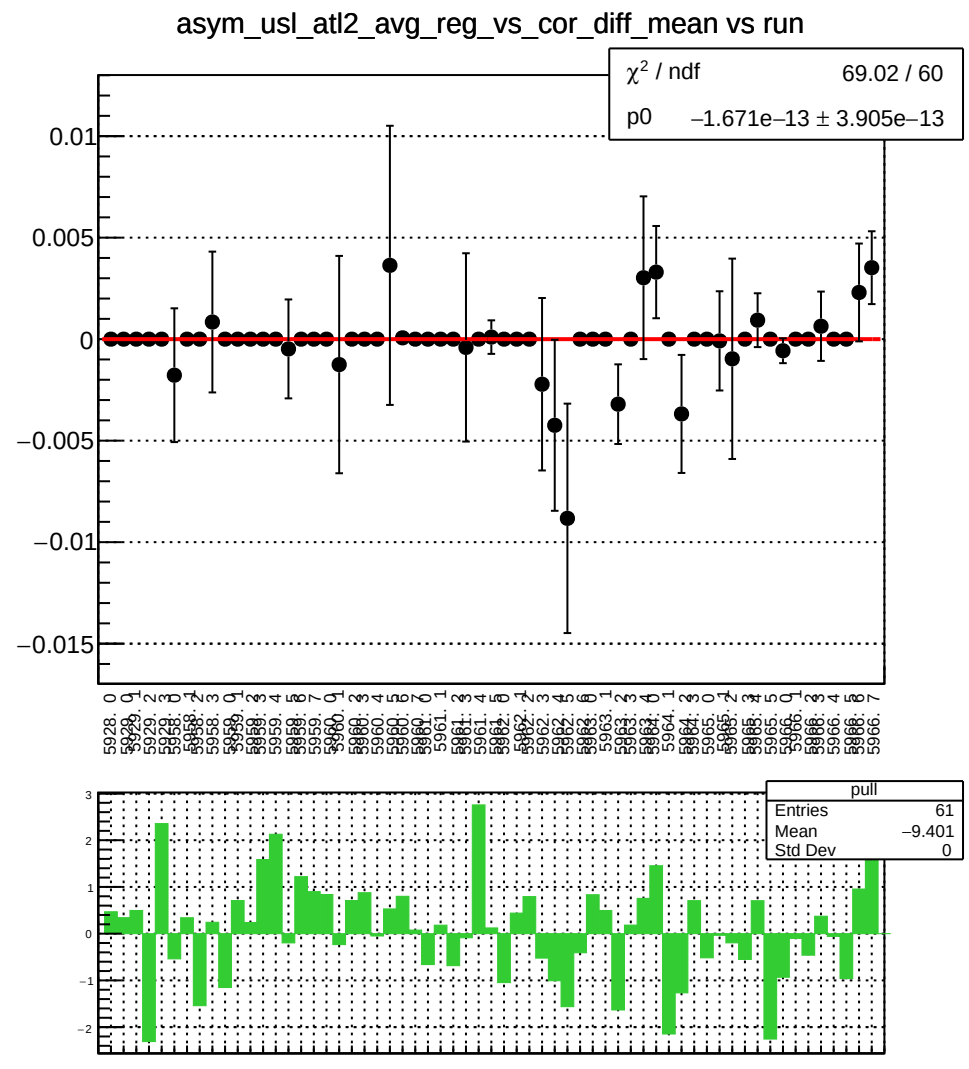

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 61.04 / 60
p0 −1832 ± 3739
100
50
0
−50
−100
pull
Entries 61
Mean −515.4
Std Dev 0
pull1D
Entries 61
Mean −0.0006003
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

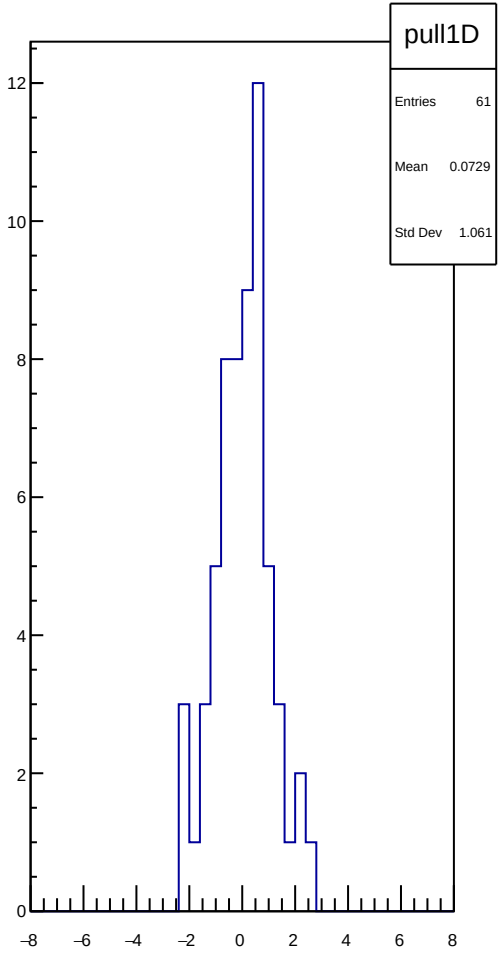

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.789e+04 / 60
p0 2866 ± 2.644
5000
4500
4000
3500
3000
2500

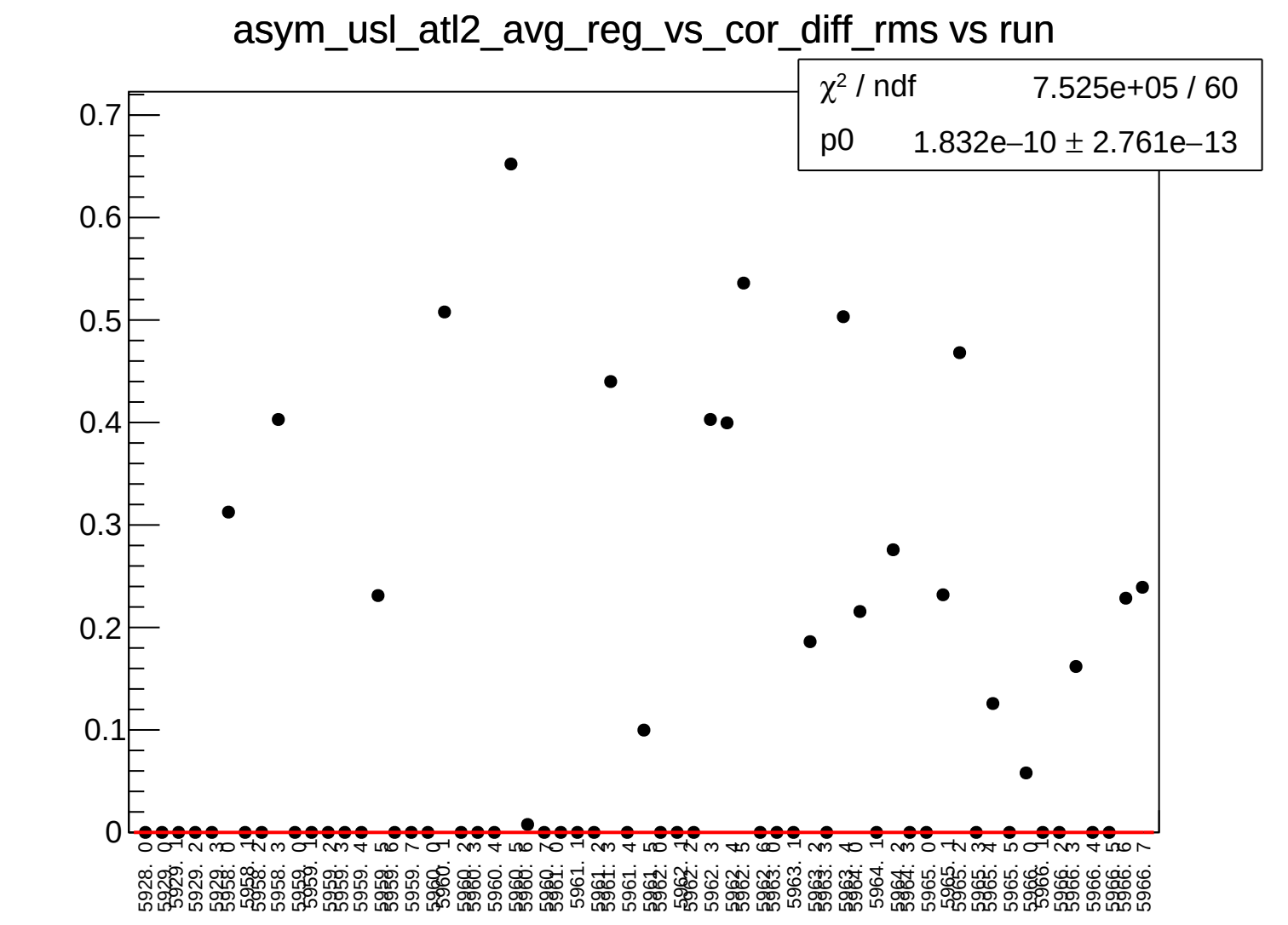

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 58.97 / 60
p0 −1425 ± 4113
100
50
0
−50
−100
−150
pull
Entries 61
Mean −723.1
Std Dev 0
2
1
0
−1
−2
−3

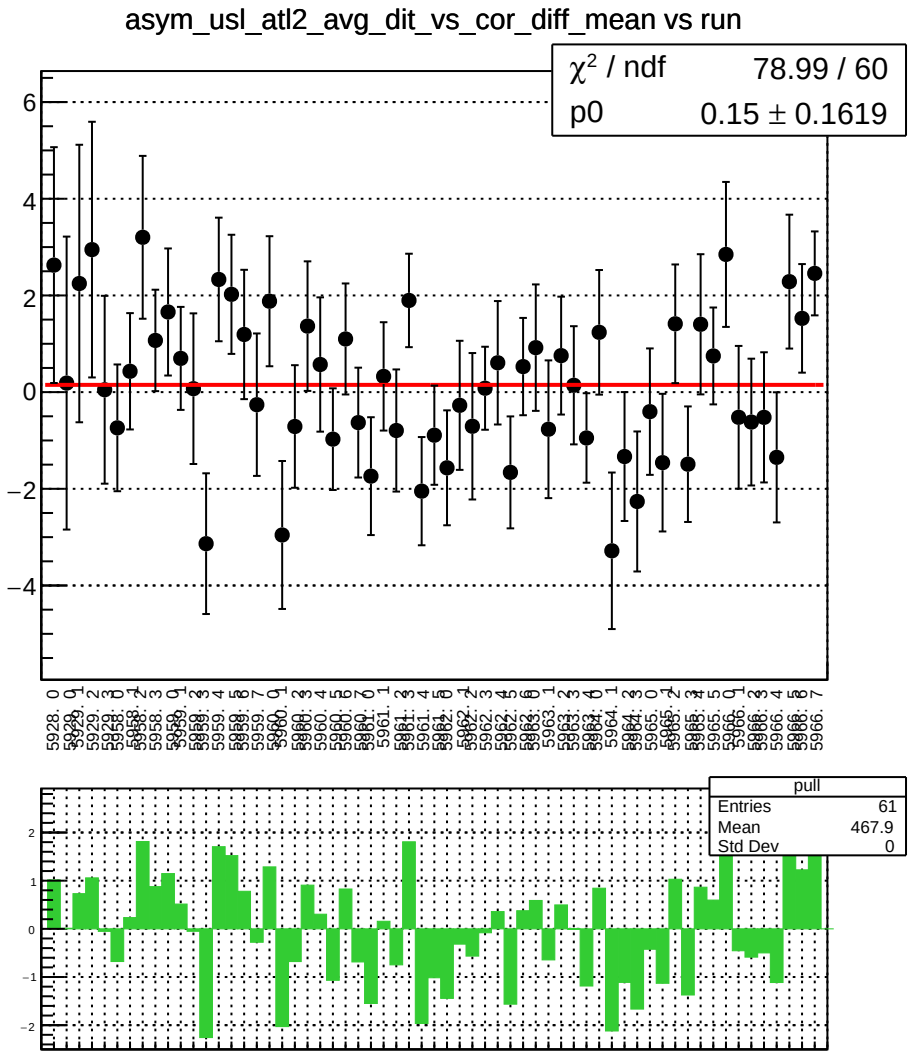

pull1D
Entries 61
Mean −0.001128
Std Dev 0.9832
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

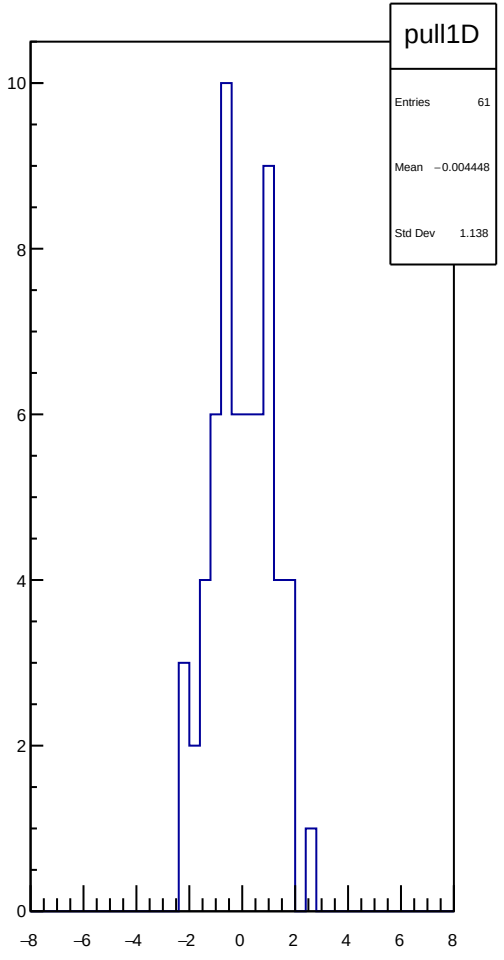

asym_usl_atl2_avg_rms vs run
χ² / ndf 1.298e+04 / 60
p0 3159 ± 2.908
5000
4500
4000
3500
3000

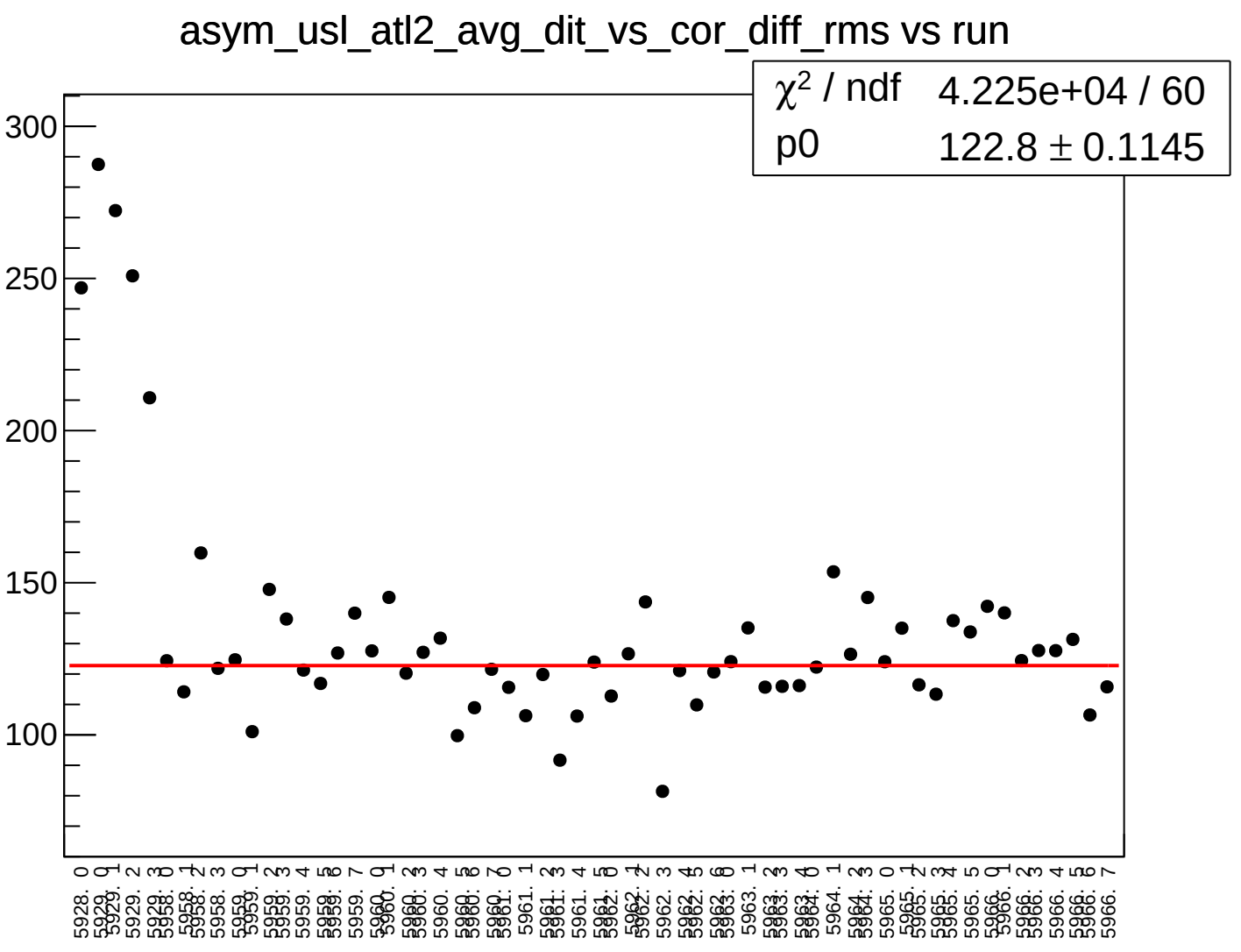

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.02 / 60
p0 −1.671e−13 ± 3.905e−13
pull
Entries 61
Mean −9.401
Std Dev 0

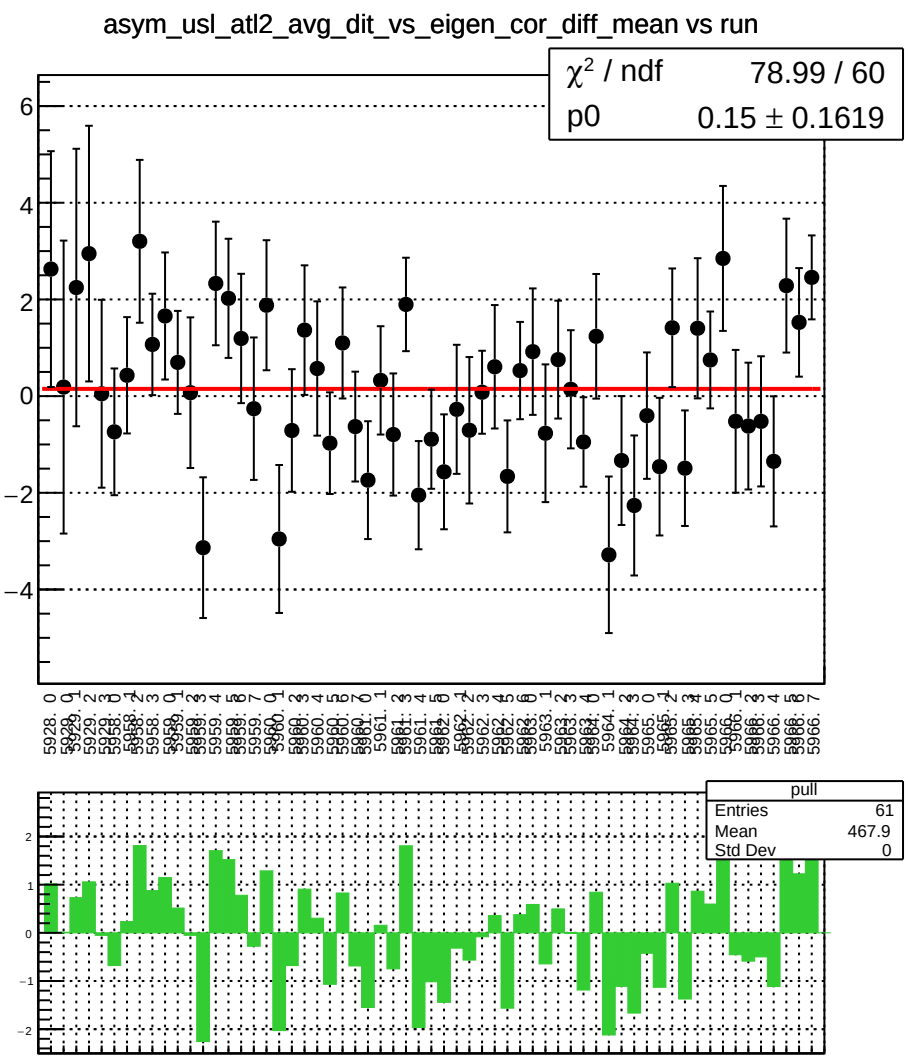

pull1D
Entries 61
Mean 0.0729
Std Dev 1.061

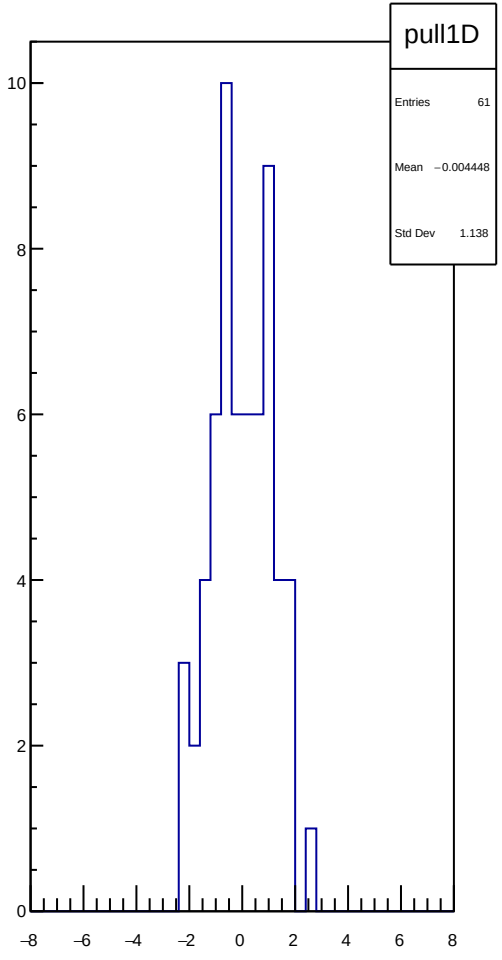

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.525e+05 / 60
p0 1.832e−10 ± 2.761e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

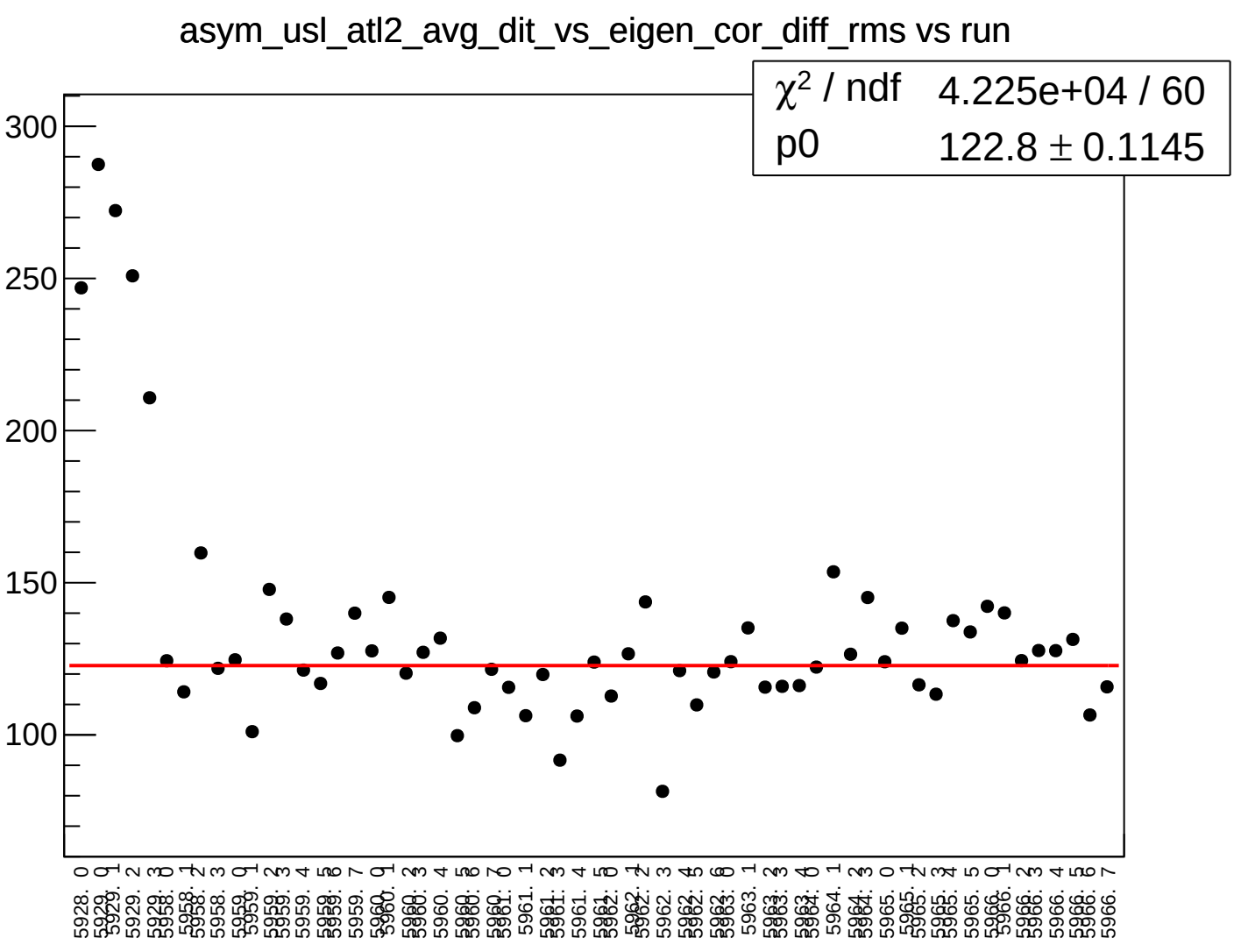

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.99 / 60
p0 0.15 ± 0.1619
pull
Entries 61
Mean 467.9
Std Dev 0

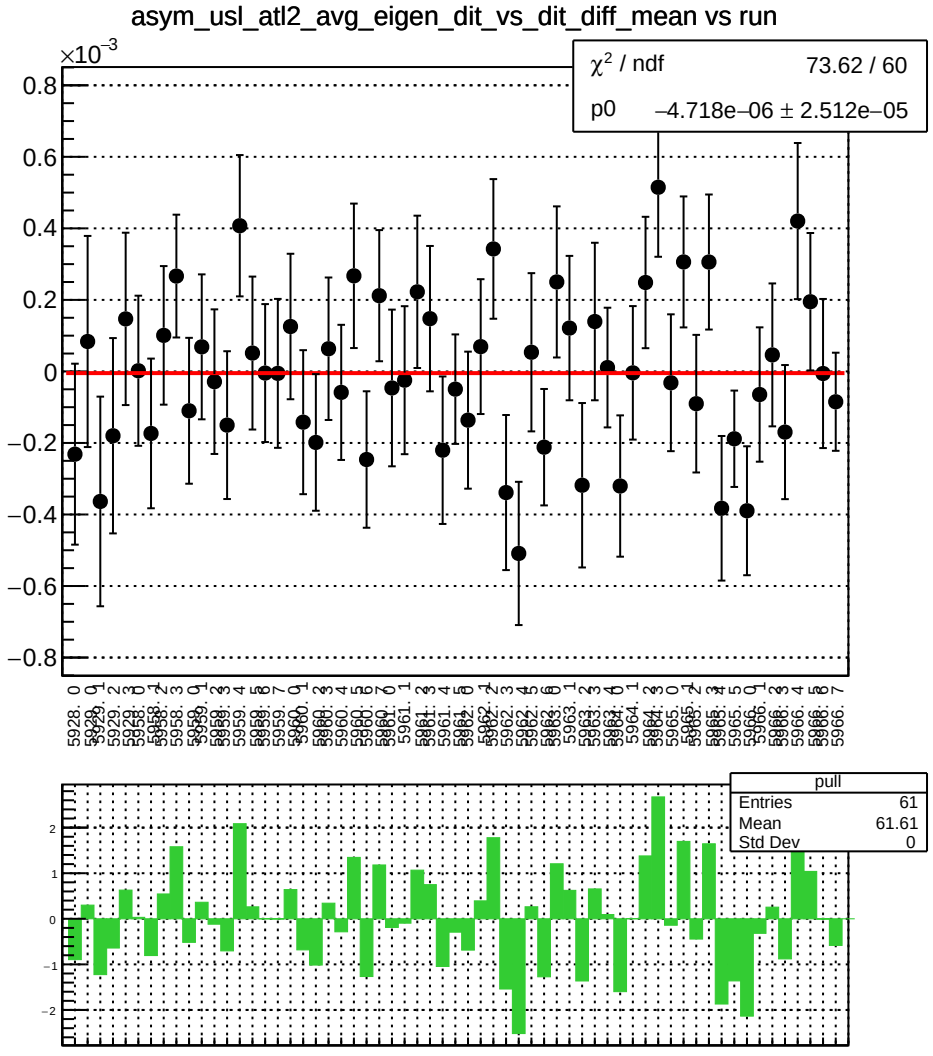

pull1D
Entries 61
Mean −0.004448
Std Dev 1.138

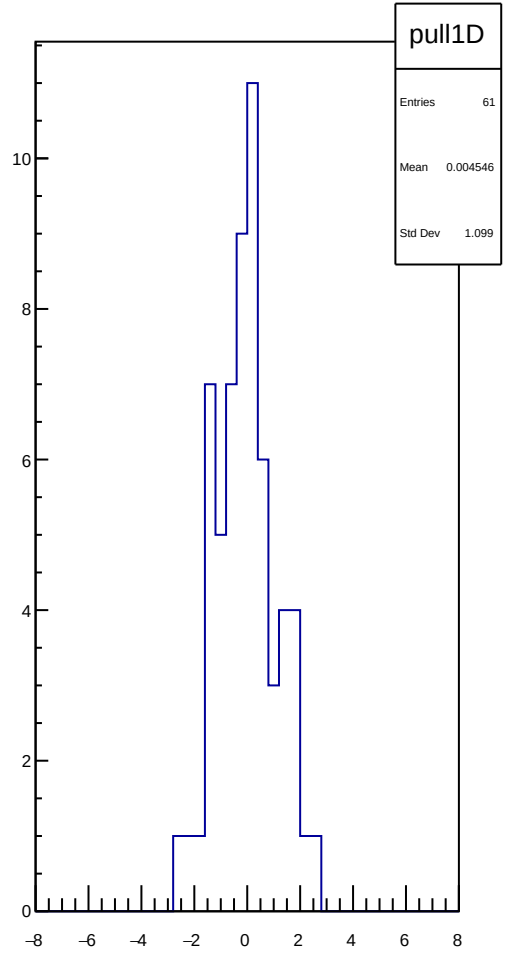

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.225e+04 / 60
p0 122.8 ± 0.1145
300
250
200
150
100

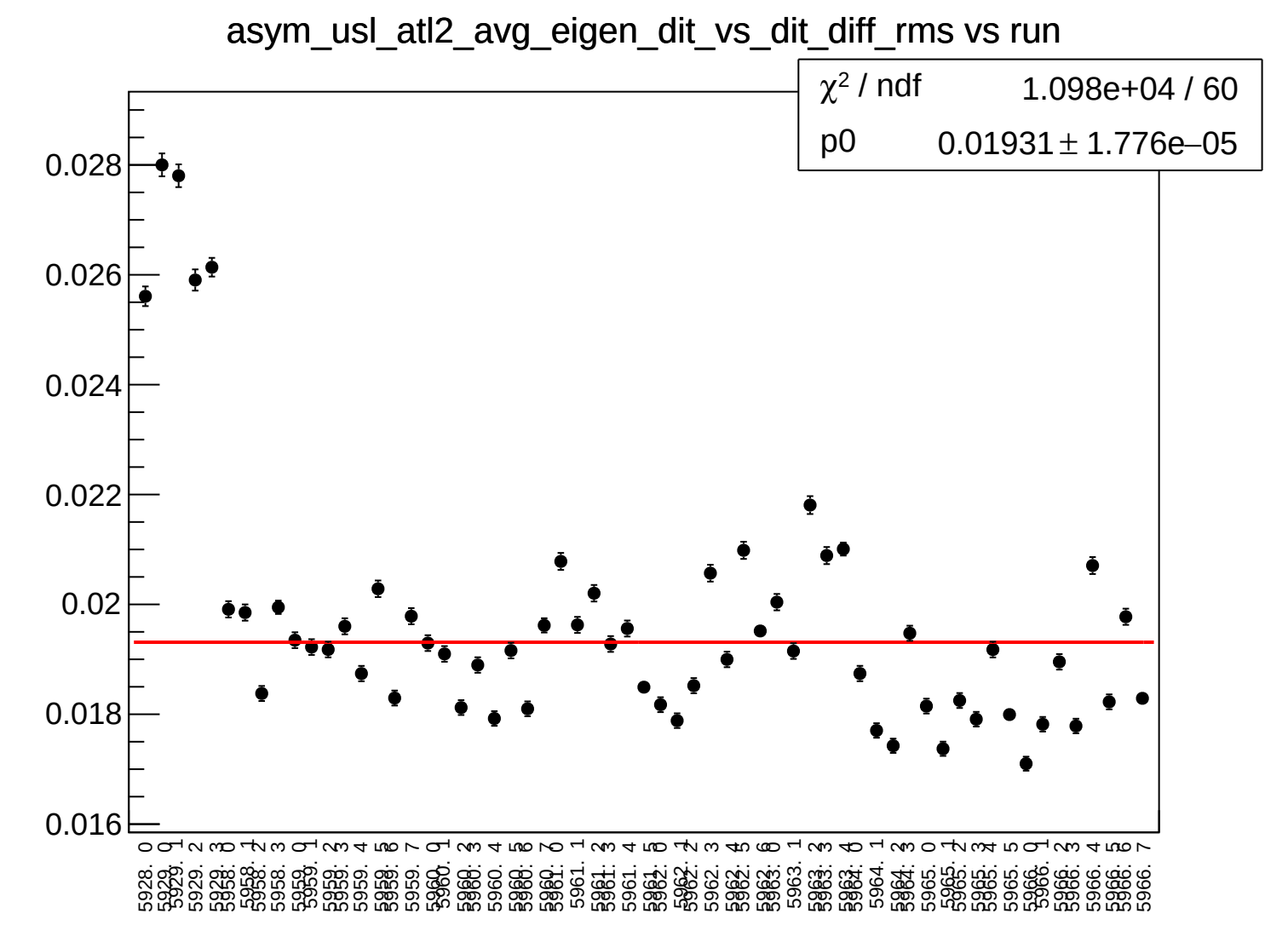

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.99 / 60
p0 0.15 ± 0.1619
pull
Entries 61
Mean 467.9
Std Dev 0

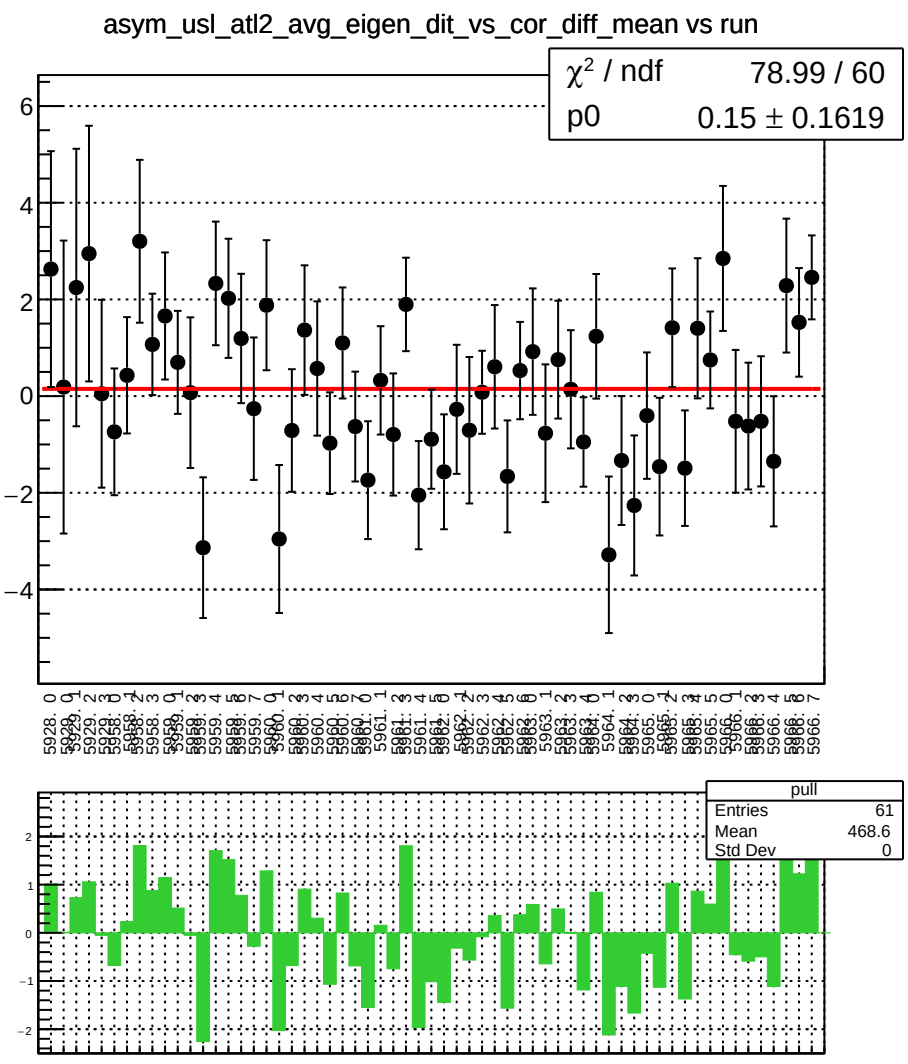

pull1D
Entries 61
Mean −0.004448
Std Dev 1.138

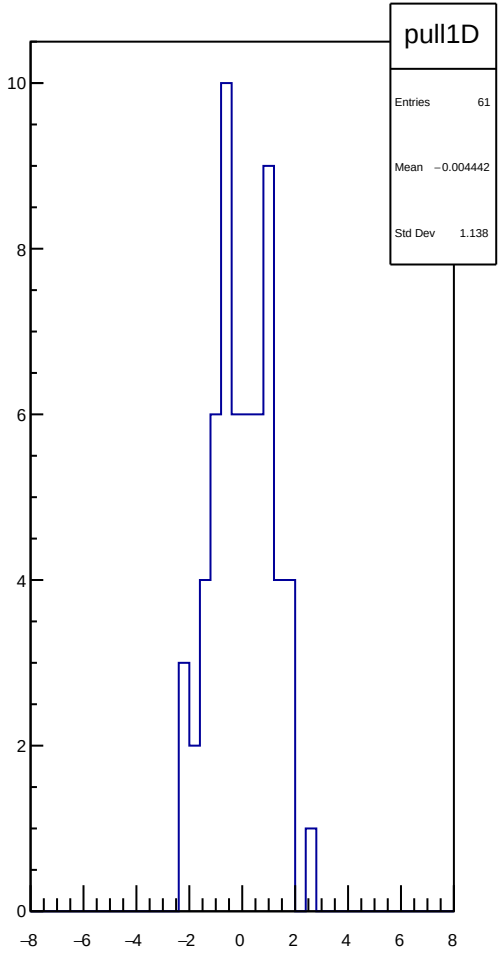

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.225e+04 / 60
p0 122.8 ± 0.1145
300
250
200
150
100

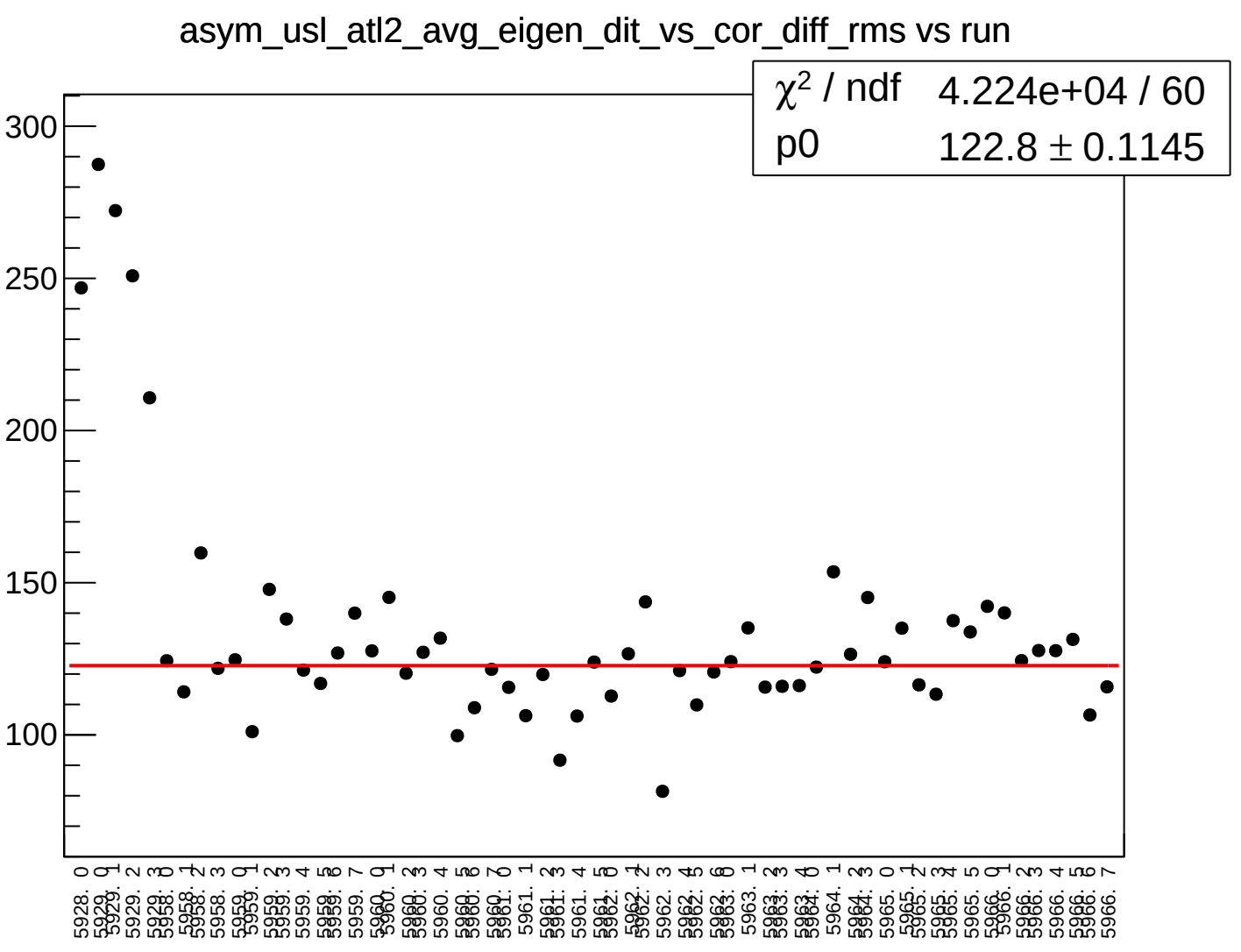

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.62 / 60
p0 −4.718e−06 ± 2.512e−05
pull
Entries 61
Mean 61.61
Std Dev 0

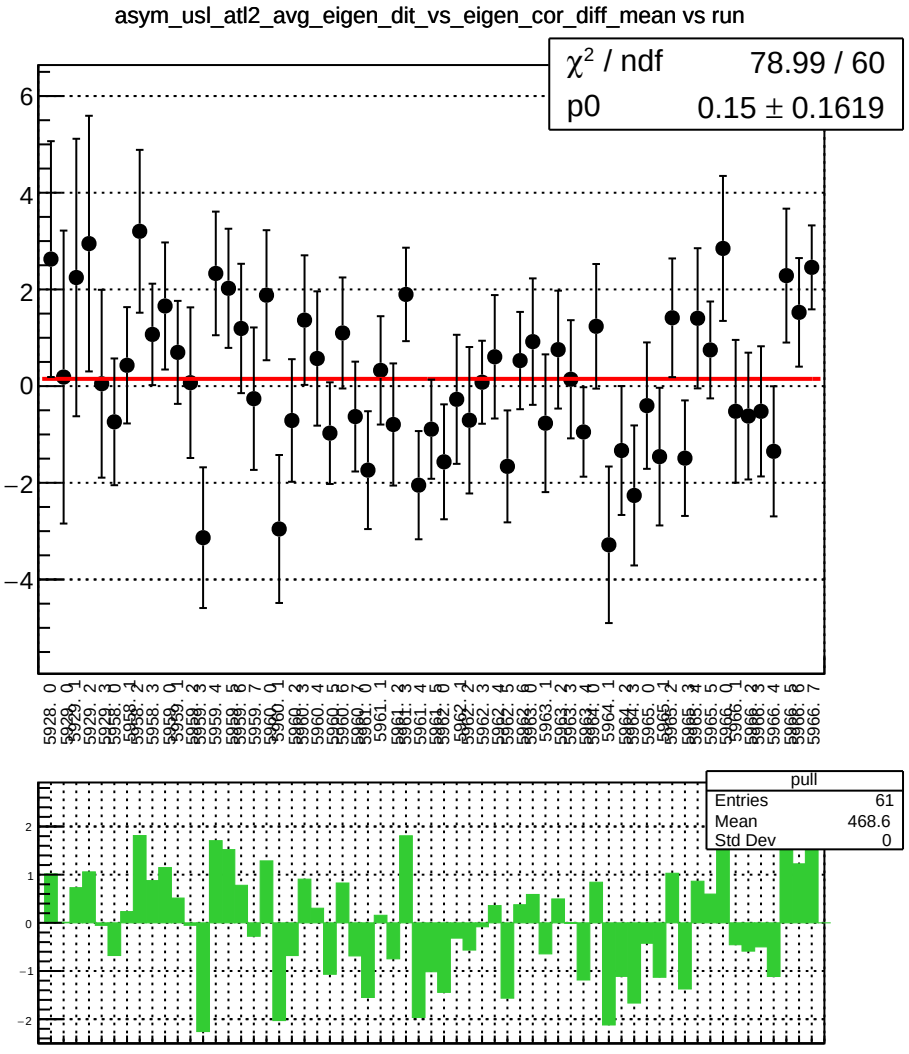

pull1D
Entries 61
Mean 0.004546
Std Dev 1.099

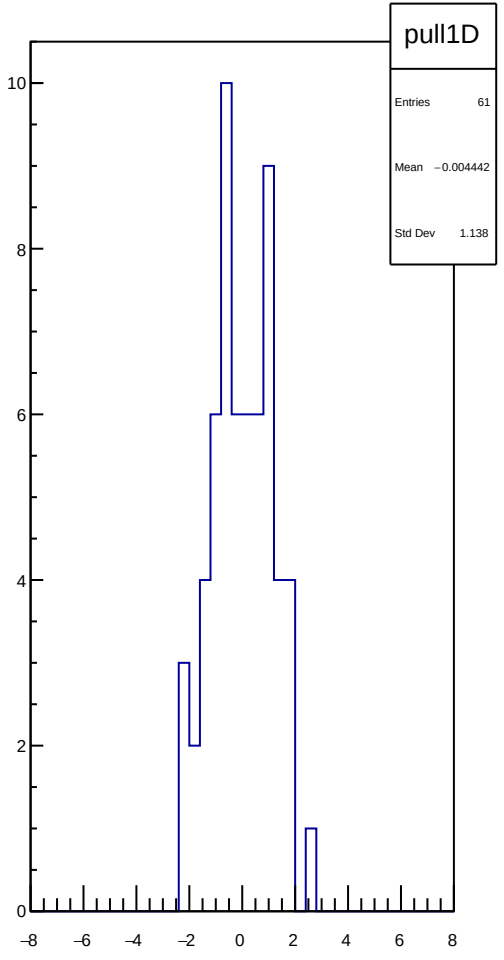

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.098e+04 / 60
p0 0.01931 ± 1.776e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016

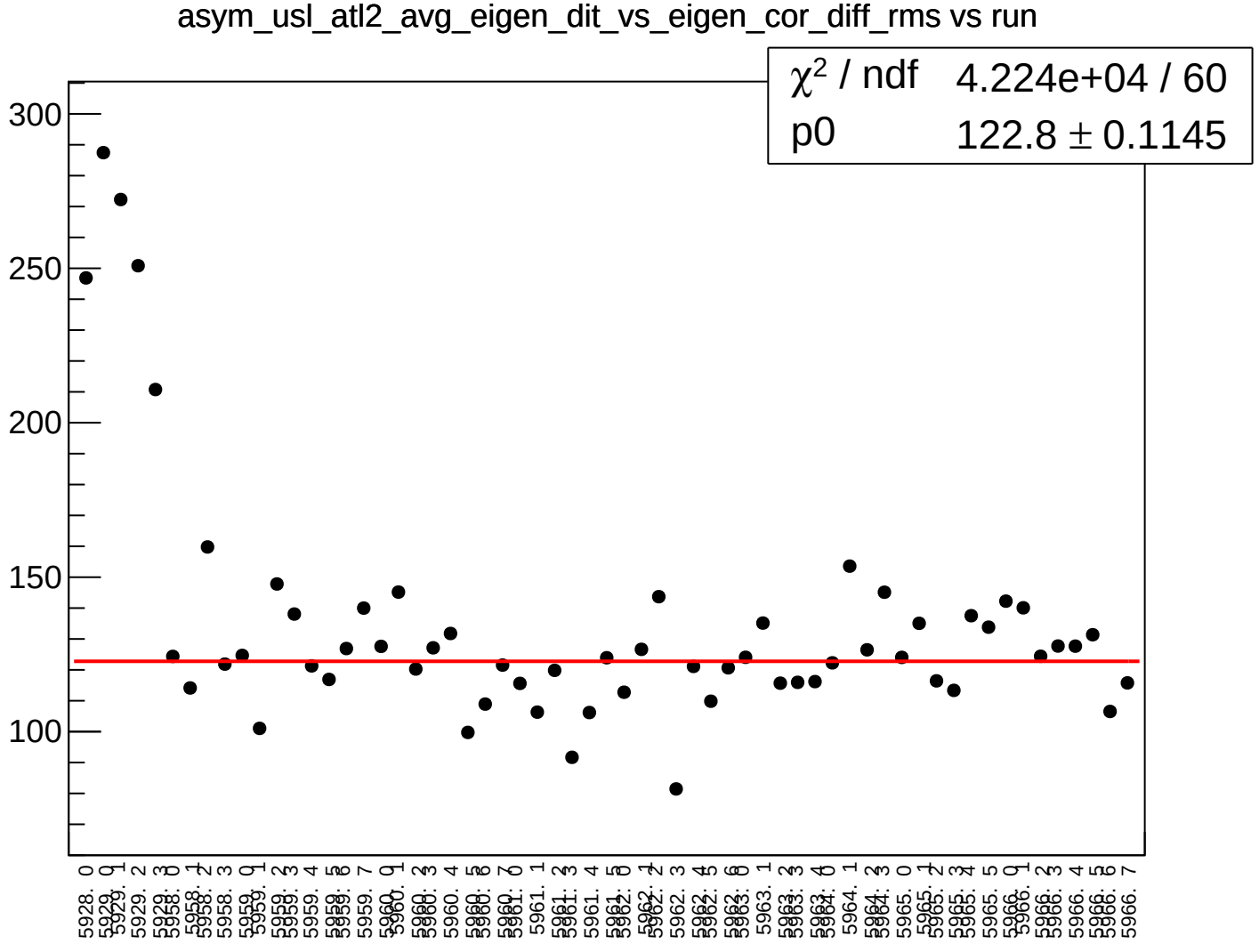

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.99 / 60
p0 0.15 ± 0.1619
pull
Entries 61
Mean 468.6
Std Dev 0

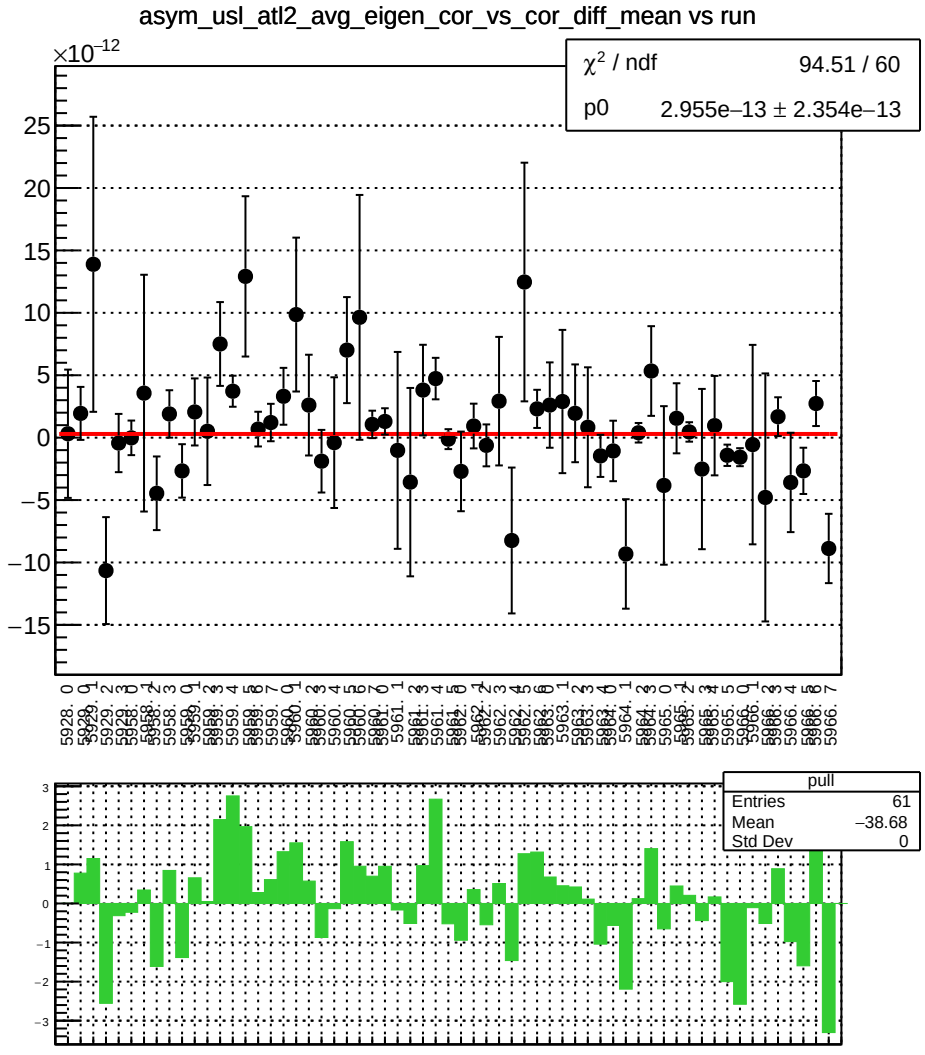

pull1D
Entries 61
Mean −0.004442
Std Dev 1.138

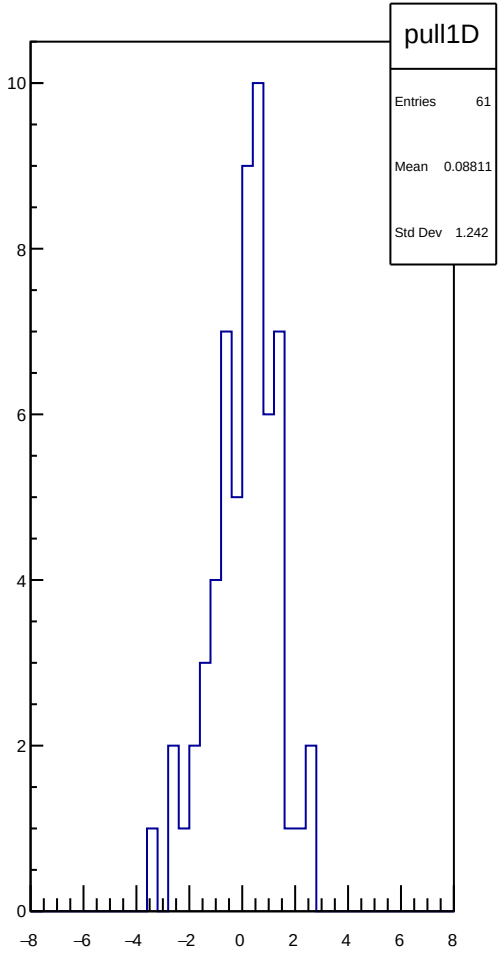

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.224e+04 / 60
p0 122.8 ± 0.1145
300
250
200
150
100

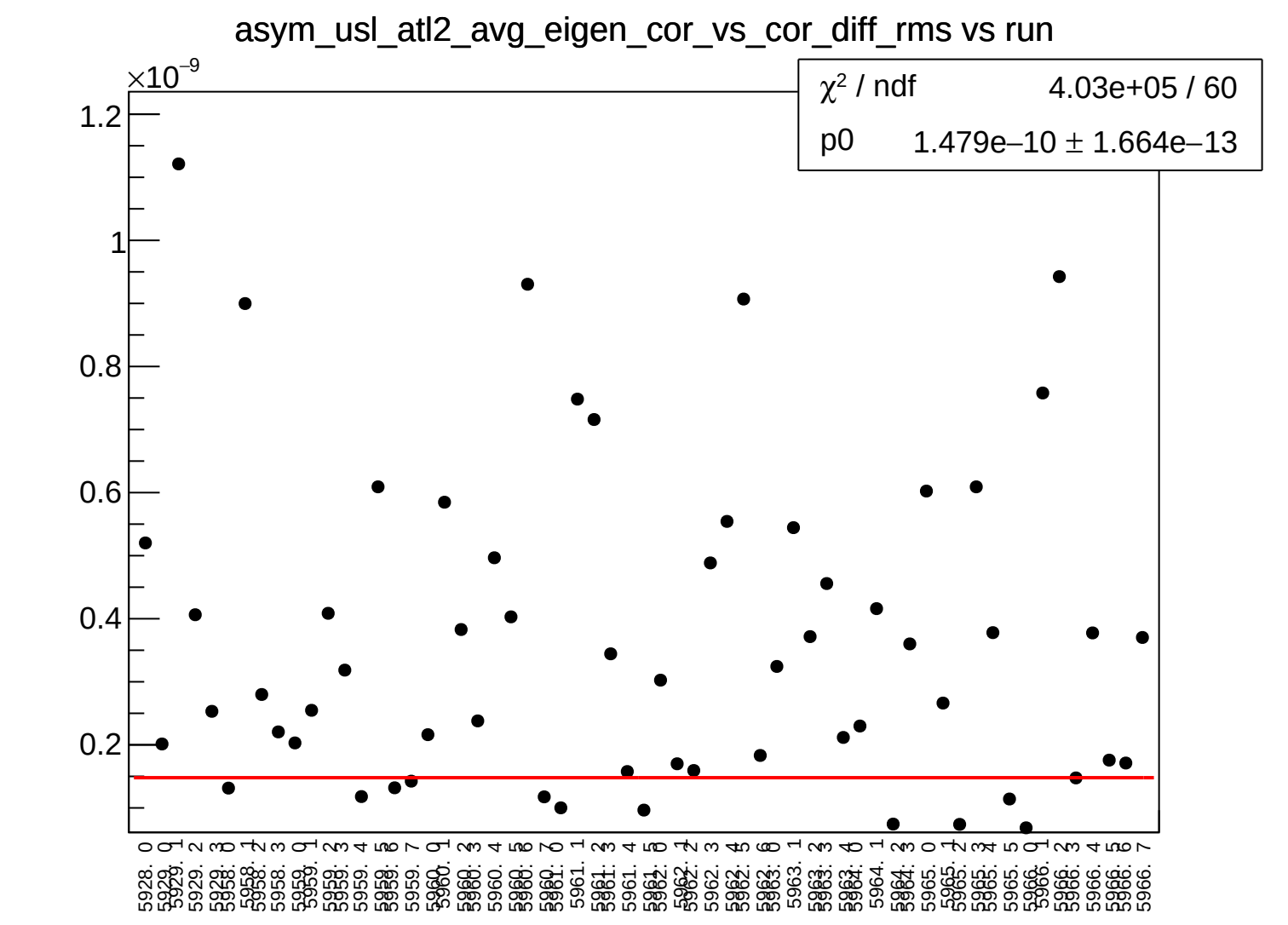

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.99 / 60
p0 0.15 ± 0.1619
pull
Entries 61
Mean 468.6
Std Dev 0

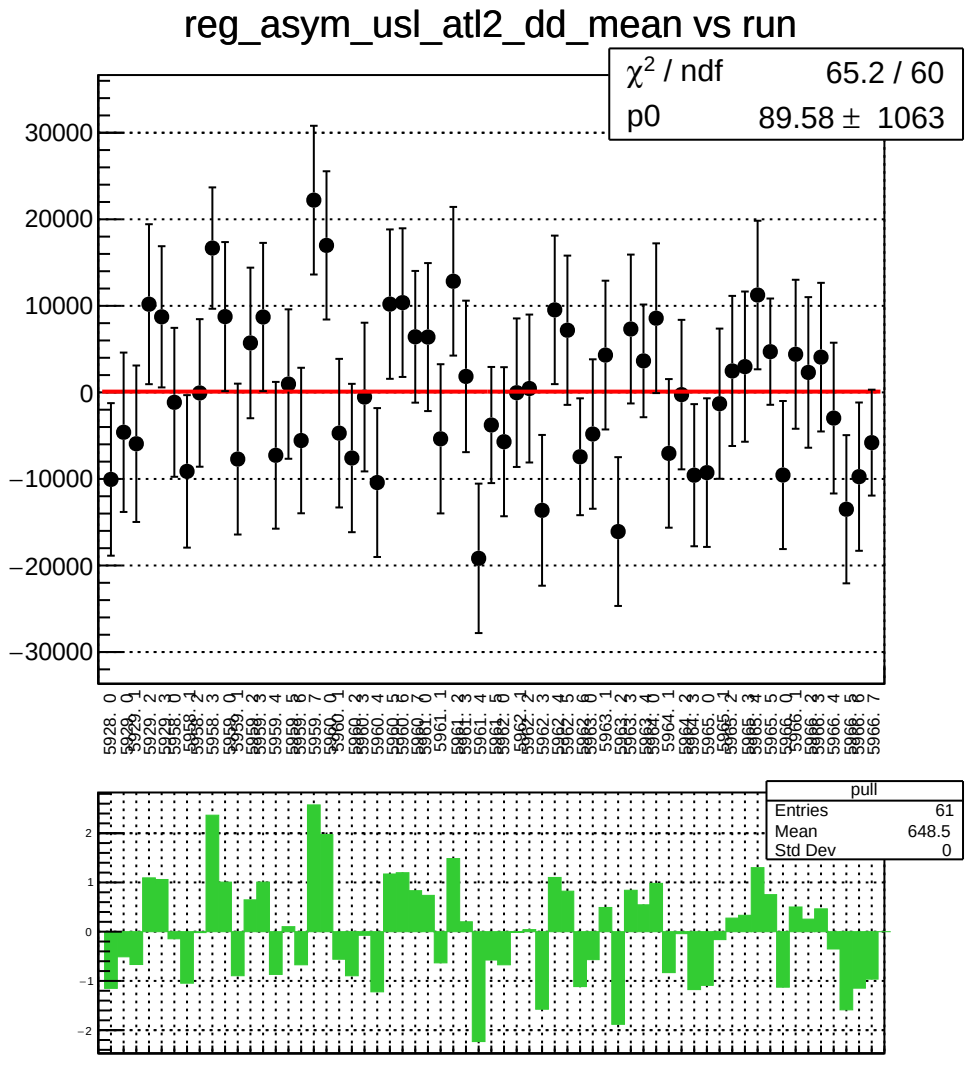

pull1D
Entries 61
Mean −0.004442
Std Dev 1.138

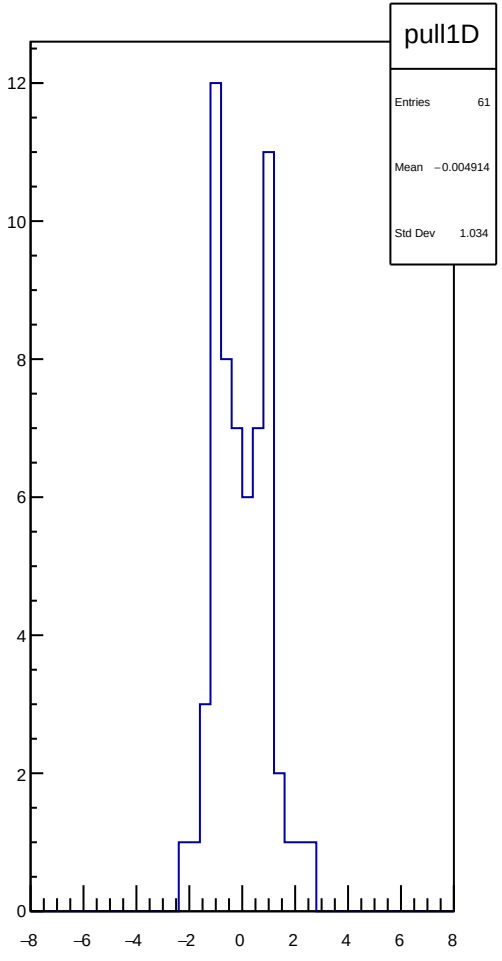

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.224e+04 / 60
p0 122.8 ± 0.1145
300
250
200
150
100

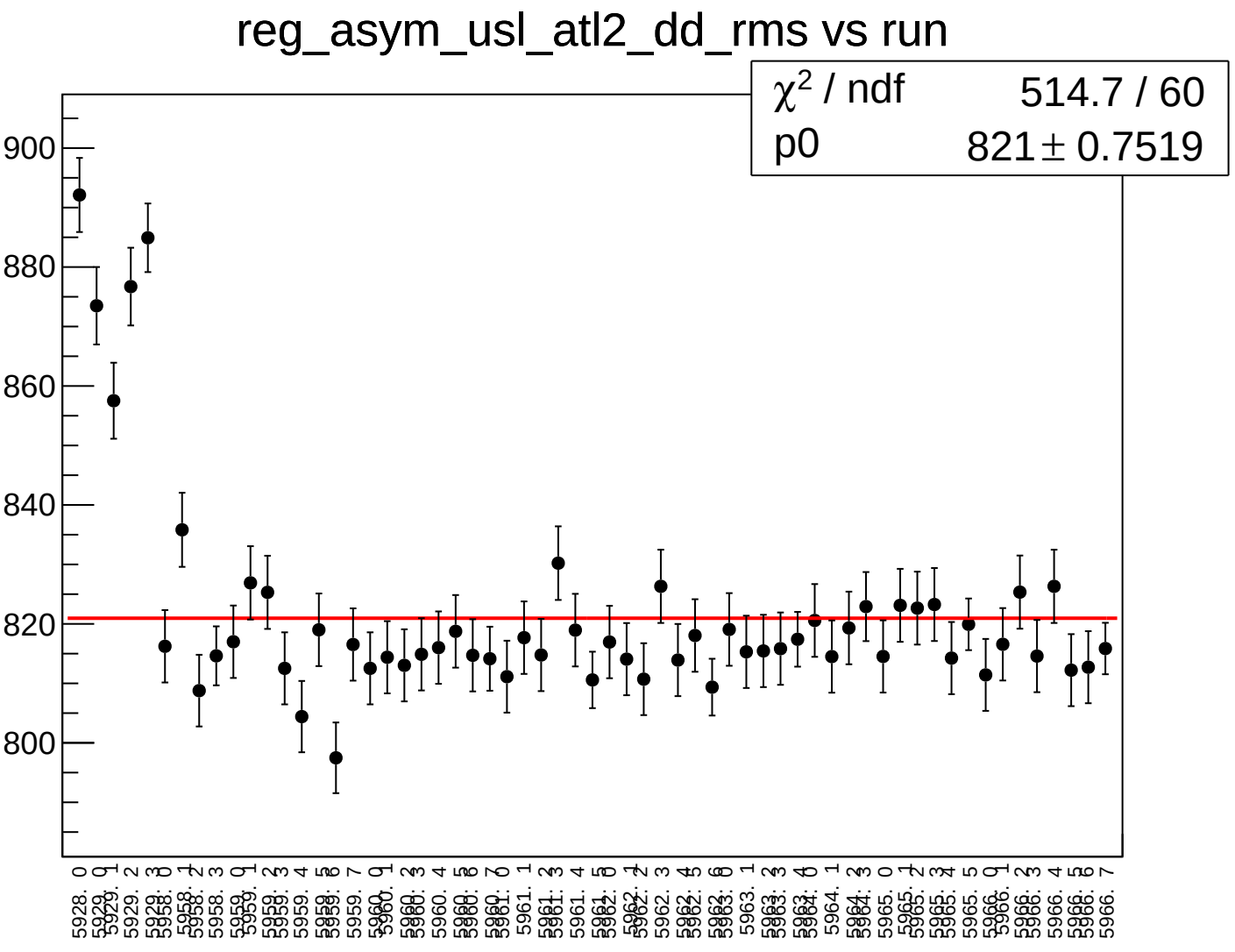

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.51 / 60
p0 2.955e−13 ± 2.354e−13
pull
Entries 61
Mean −38.68
Std Dev 0

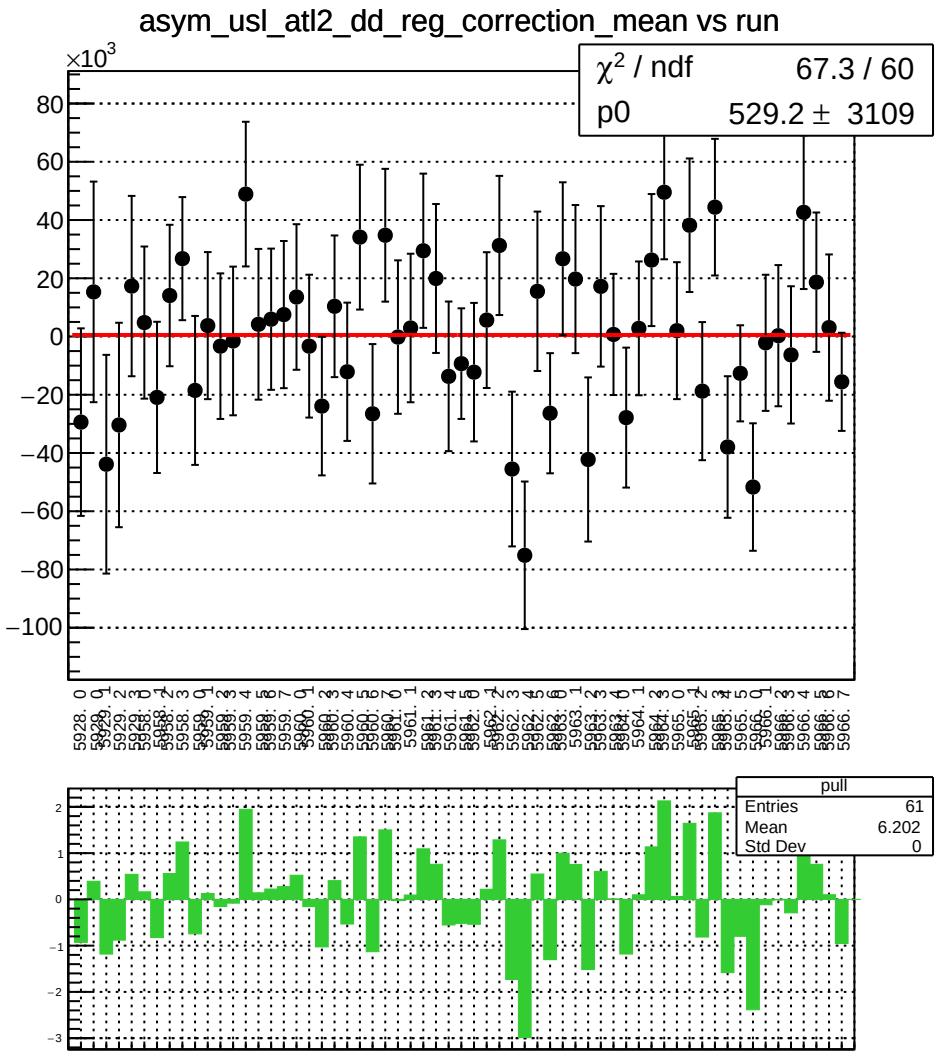

pull1D
Entries 61
Mean 0.08811
Std Dev 1.242

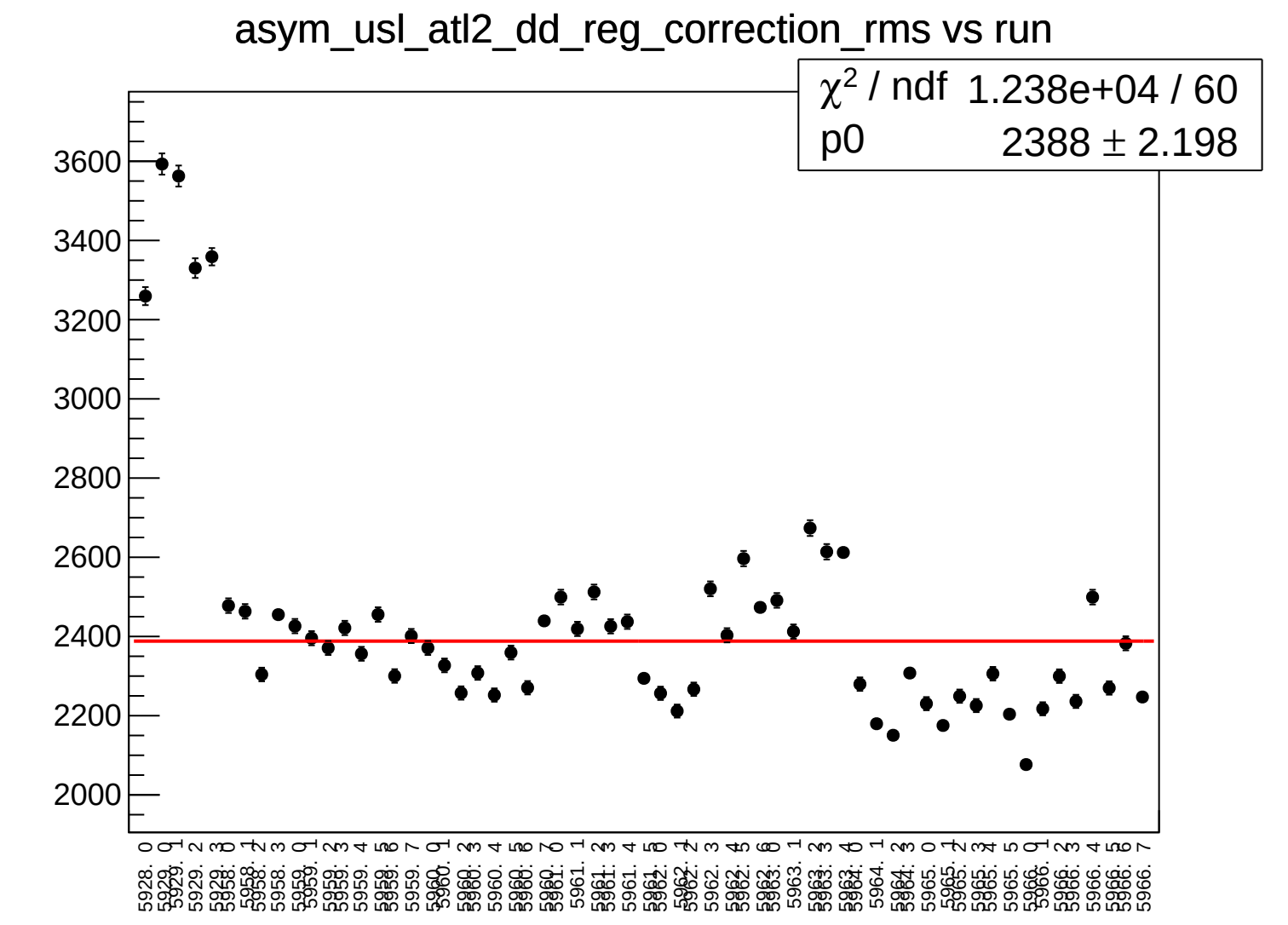

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.03e+05 / 60
p0 1.479e−10 ± 1.664e−13
1.2
1
0.8
0.6
0.4
0.2

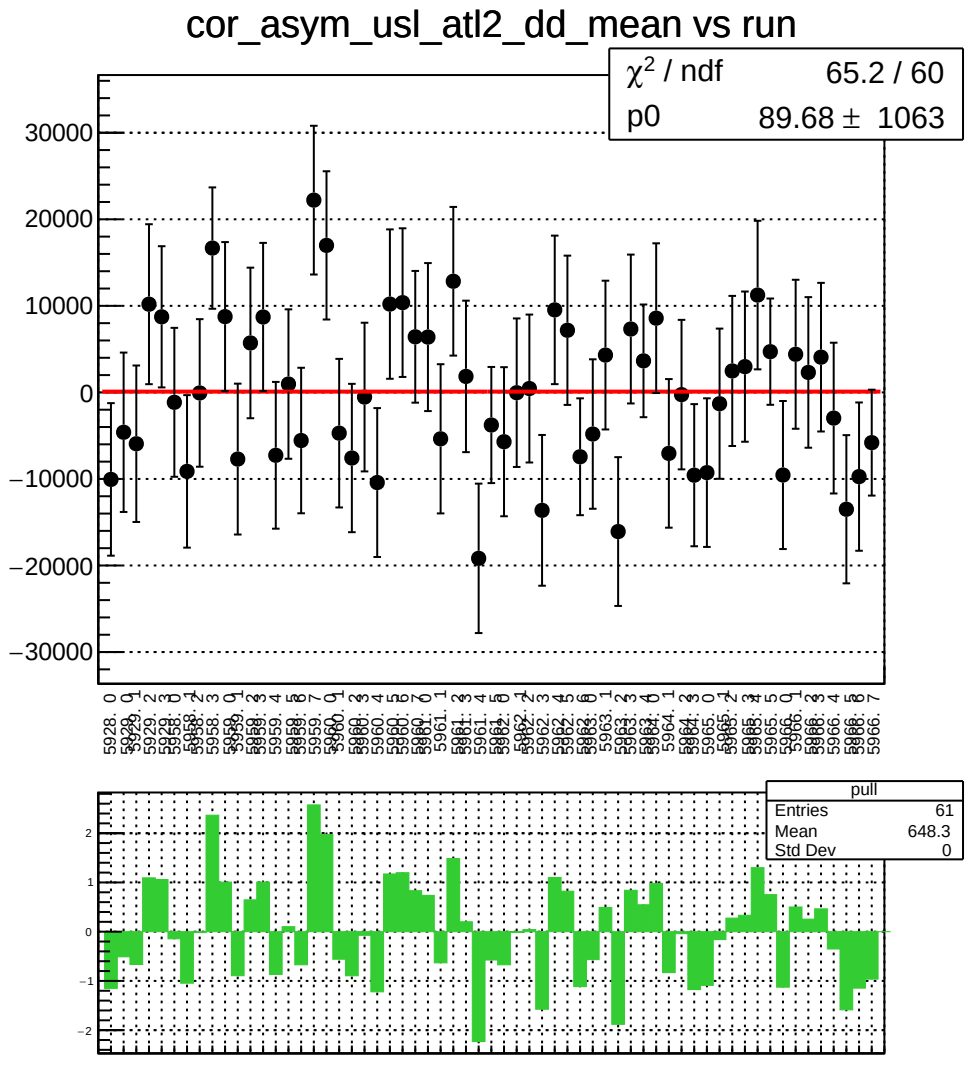

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.2 / 60
p0 89.58 ± 1063
pull
Entries 61
Mean 648.5
Std Dev 0

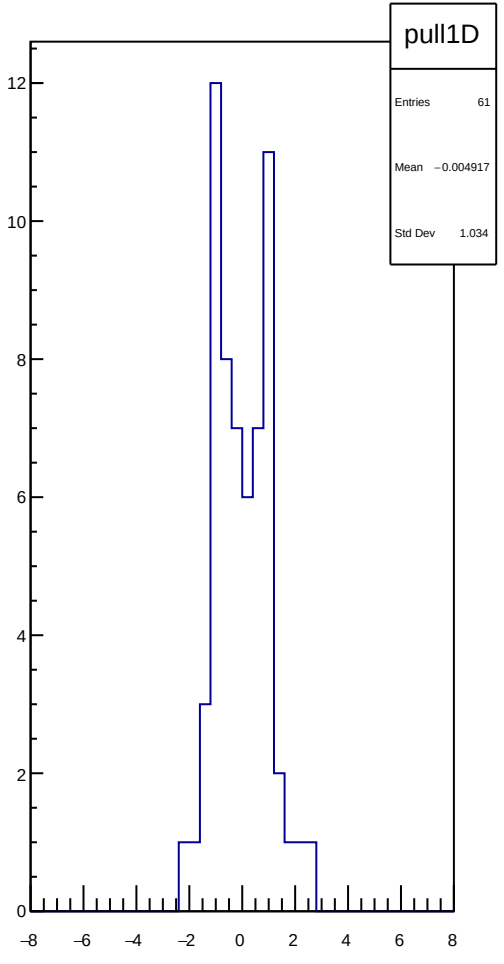

pull1D
Entries 61
Mean −0.004914
Std Dev 1.034

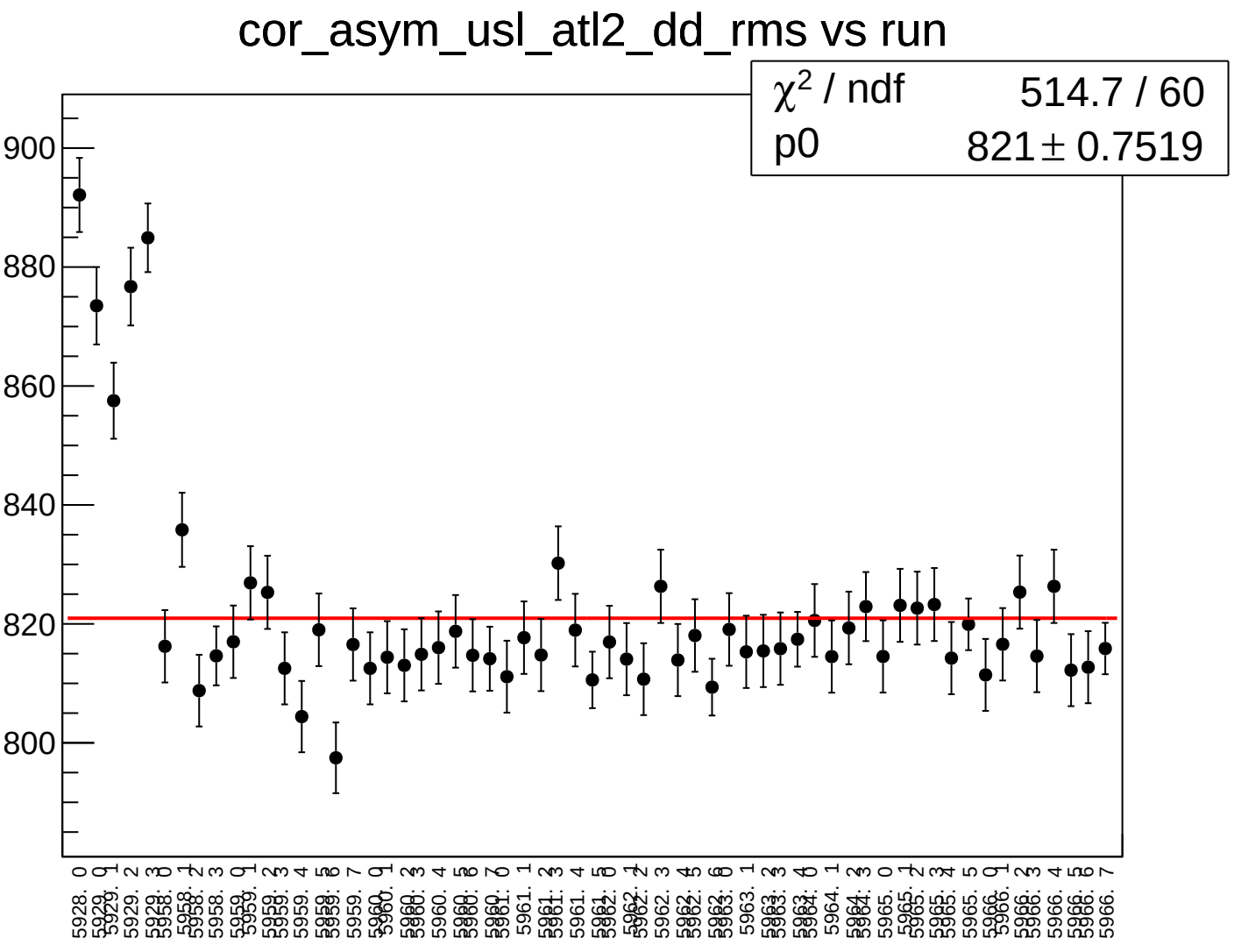

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 514.7 / 60
p0 821 ± 0.7519
900
880
860
840
820
800

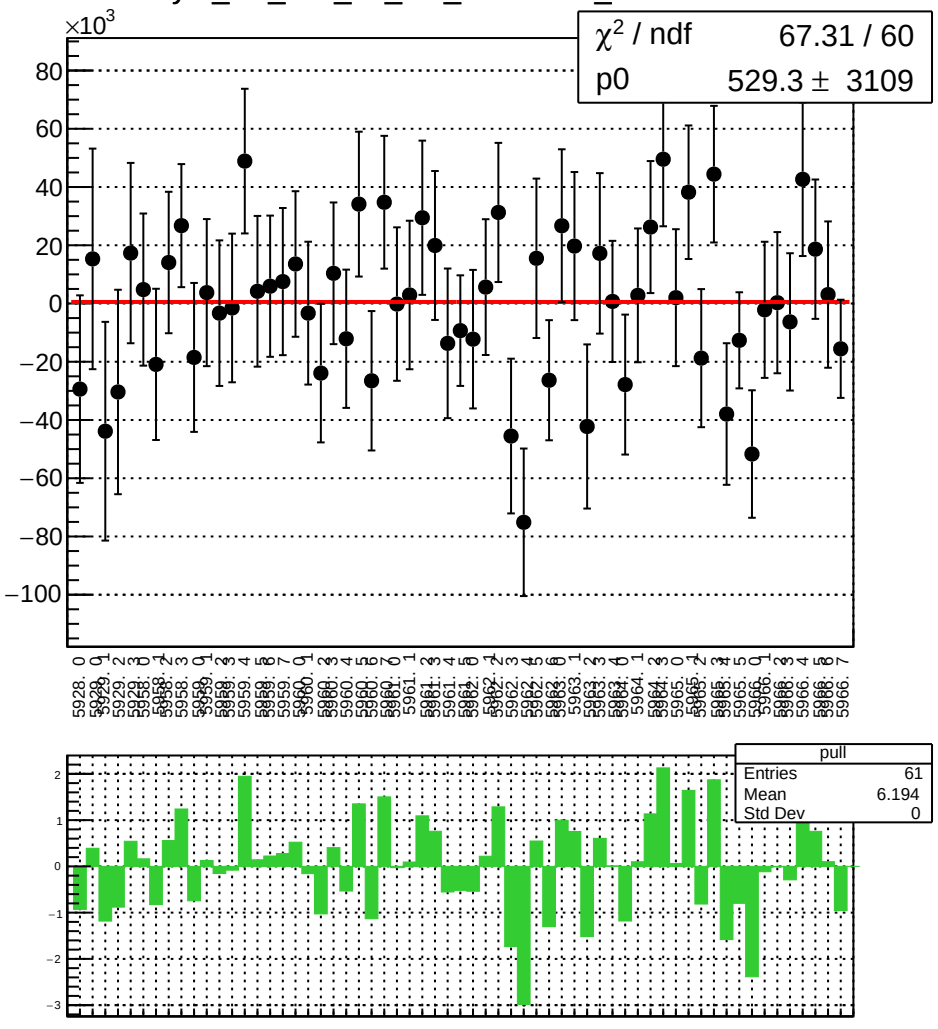

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 67.3 / 60
p0 529.2 ± 3109
pull
Entries 61
Mean 6.202
Std Dev 0
pull1D
Entries 61
Mean 0.003285
Std Dev 1.05

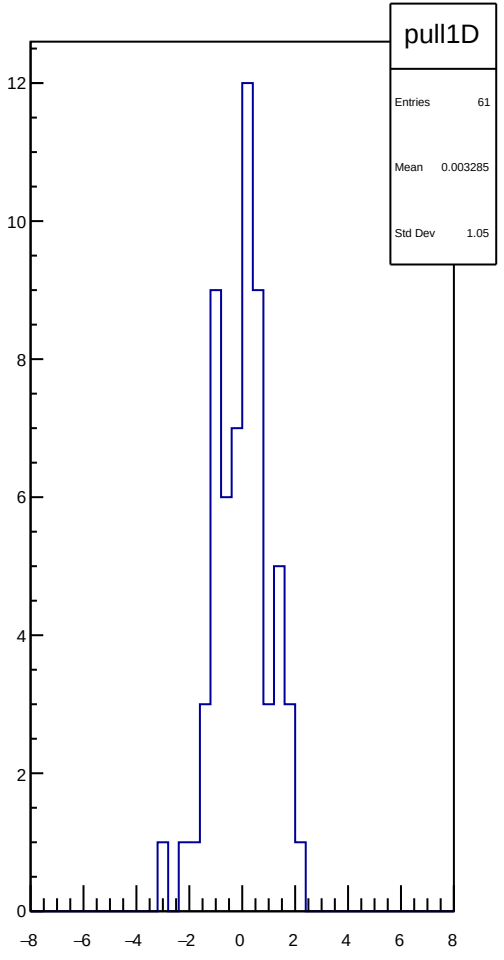

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 2388 ± 2.198
3600
3400
3200
3000
2800
2600
2400
2200
2000

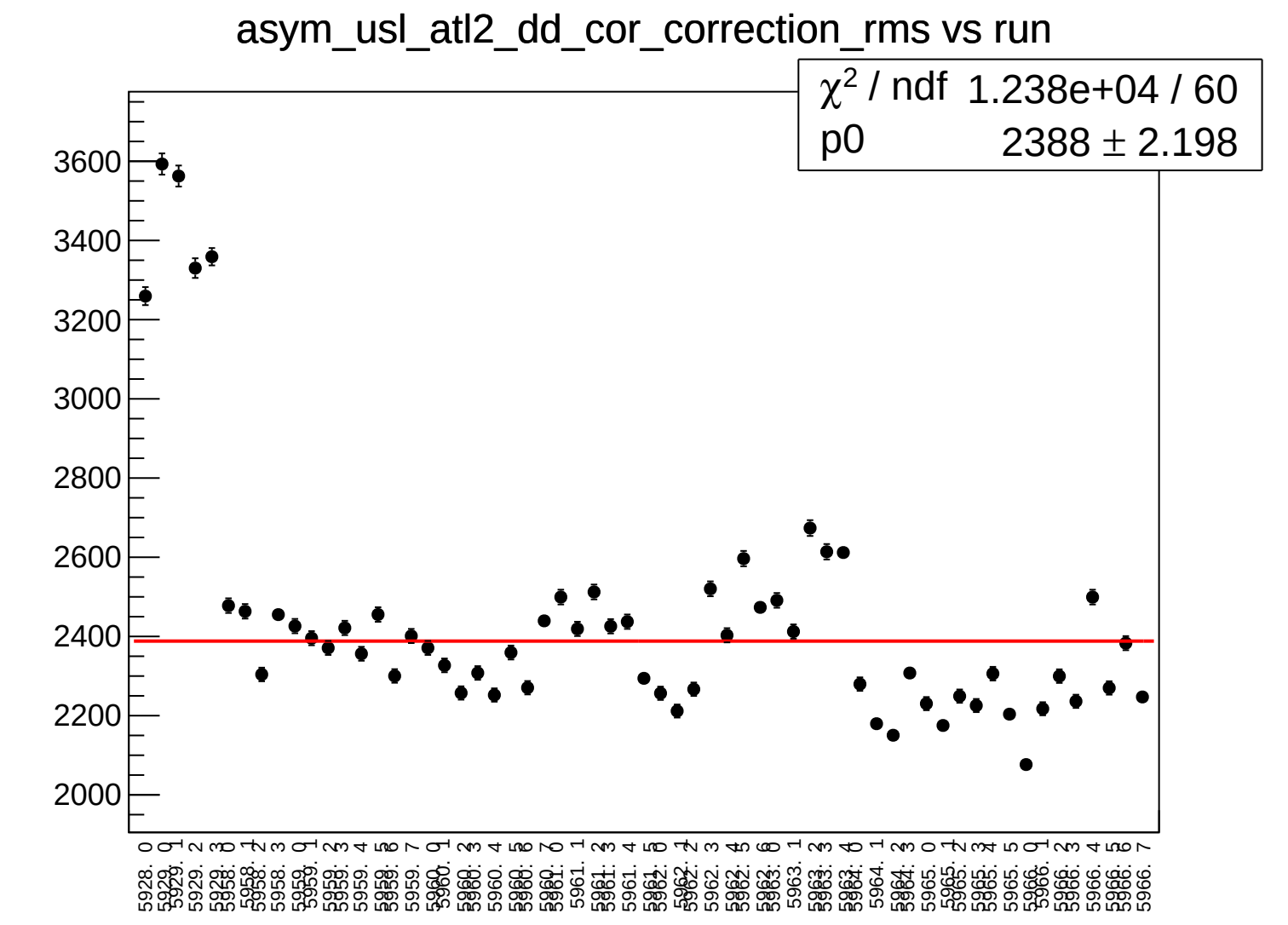

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.2 / 60
p0 89.68 ± 1063
pull
Entries 61
Mean 648.3
Std Dev 0

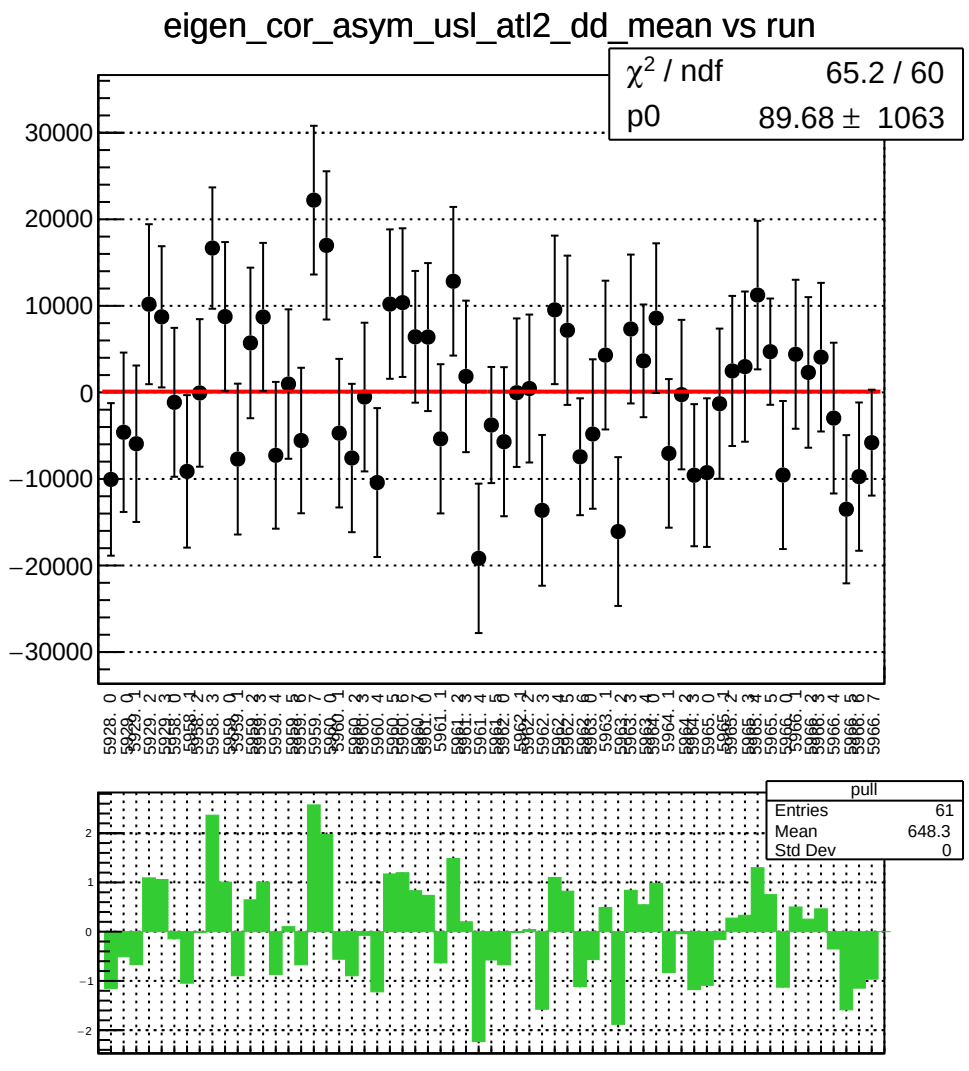

pull1D
Entries 61
Mean −0.004917
Std Dev 1.034

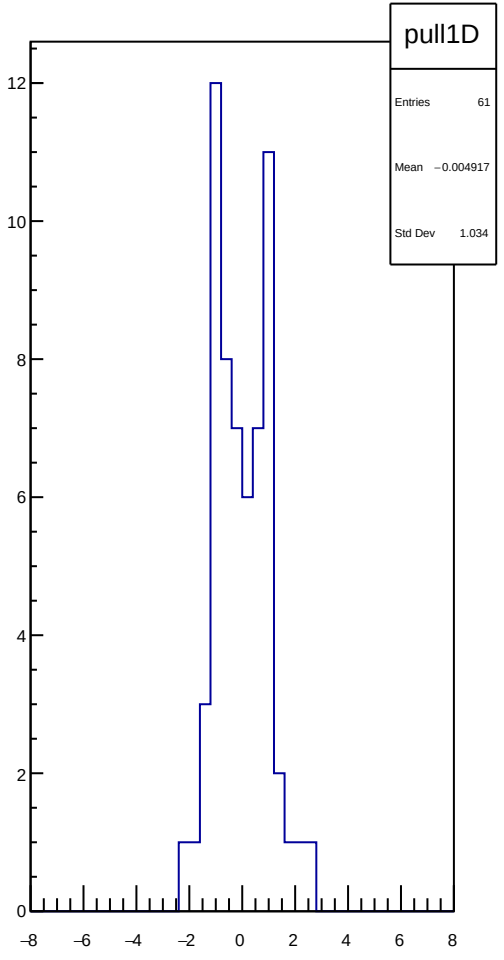

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 514.7 / 60
p0 821 ± 0.7519
900
880
860
840
820
800

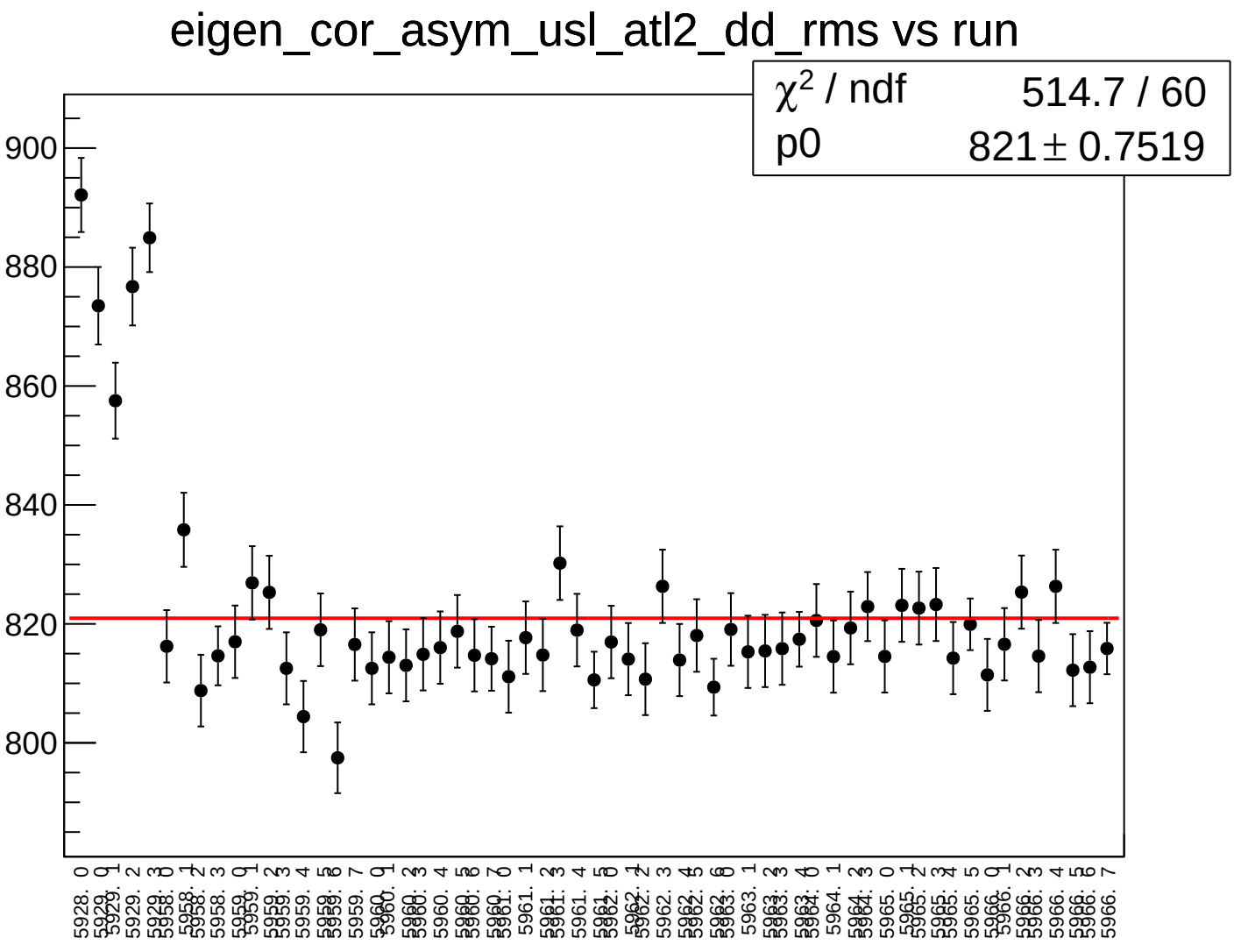

asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 67.31 / 60
p0 529.3 ± 3109
pull
Entries 61
Mean 6.194
Std Dev 0


pull1D
Entries 61
Mean 0.003285
Std Dev 1.05

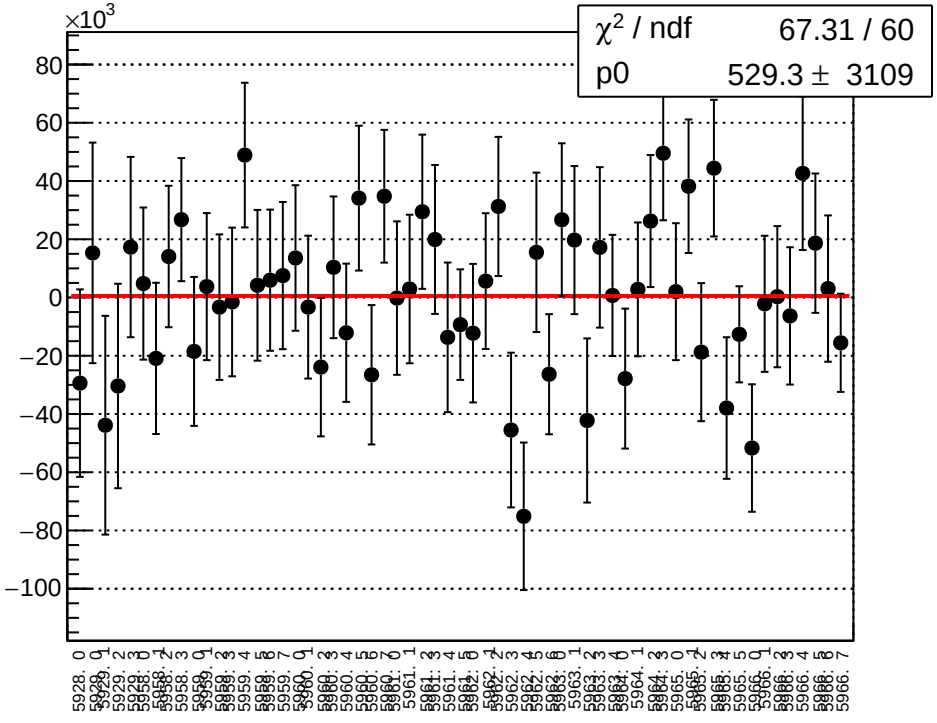

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 2388 ± 2.198
3600
3400
3200
3000
2800
2600
2400
2200
2000

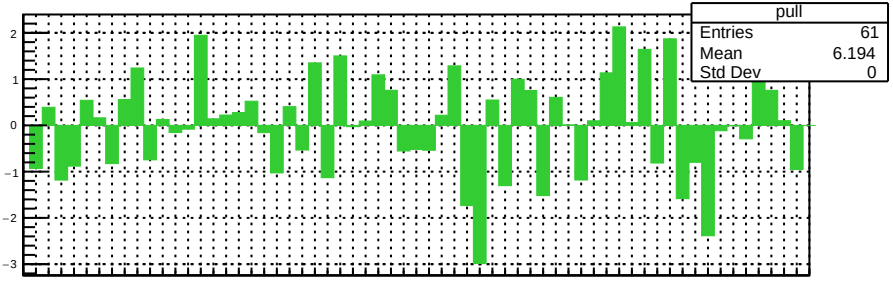

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.2 / 60
p0 89.68 ± 1063
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 648.3
Std Dev 0
2
1
0
−1
−2

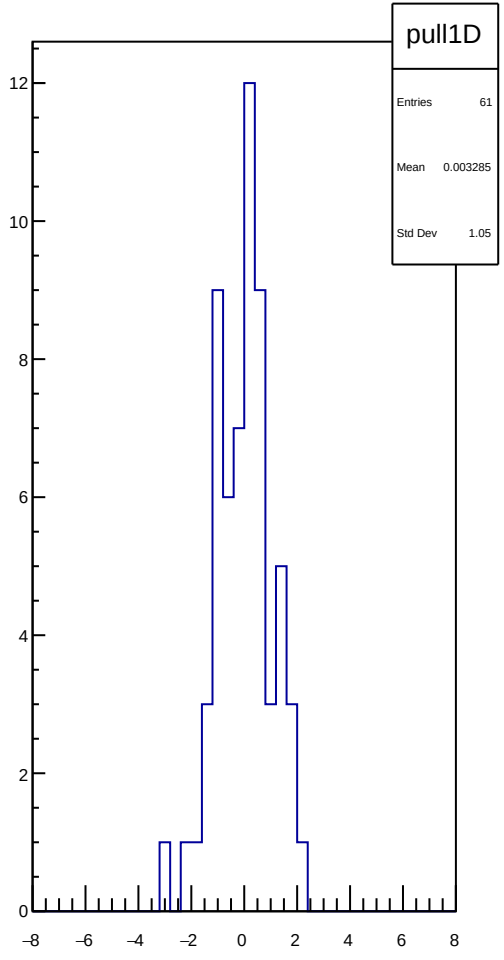

pull1D
Entries 61
Mean −0.004917
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

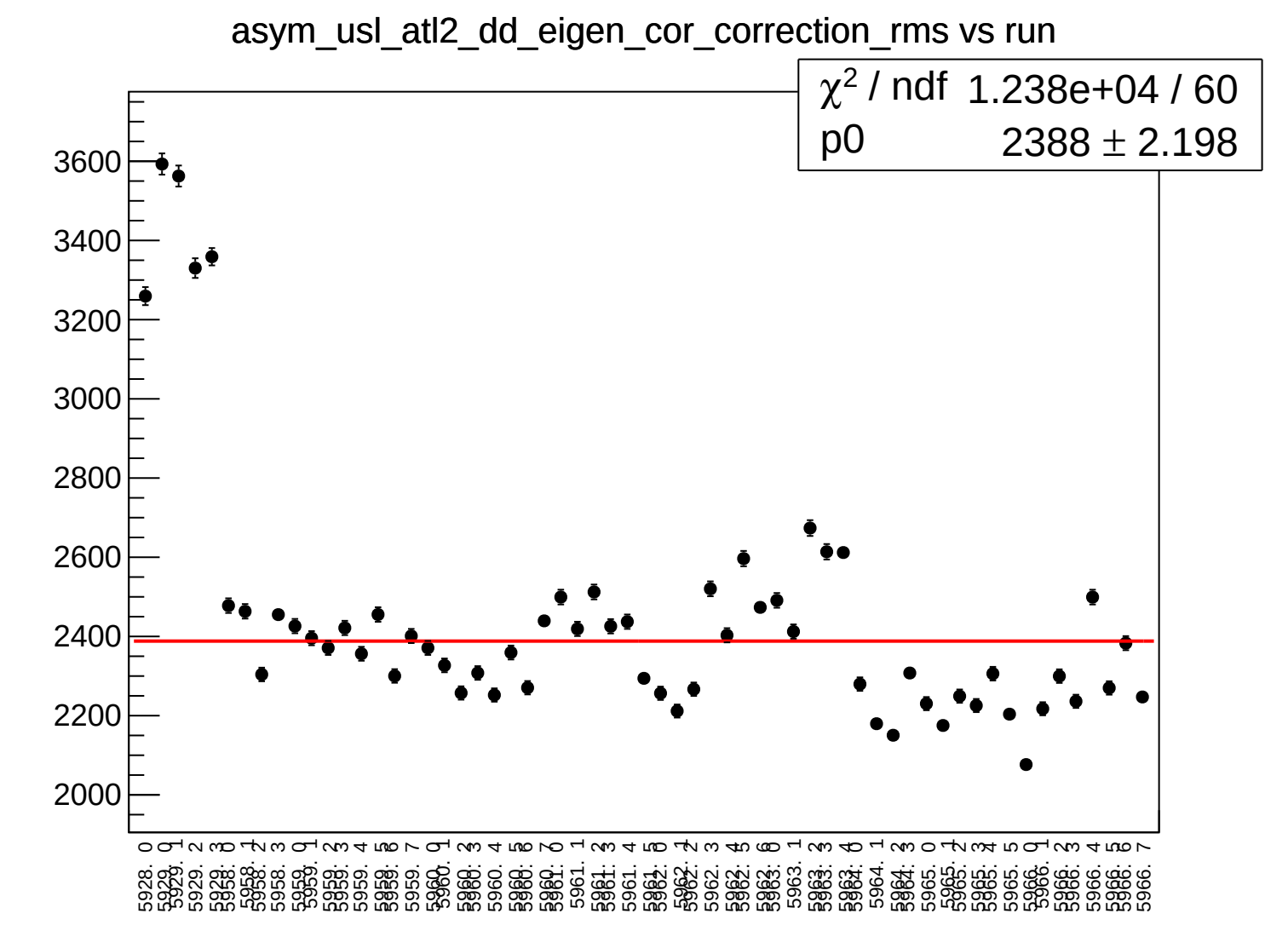

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 514.7 / 60
p0 821 ± 0.7519
900
880
860
840
820
800

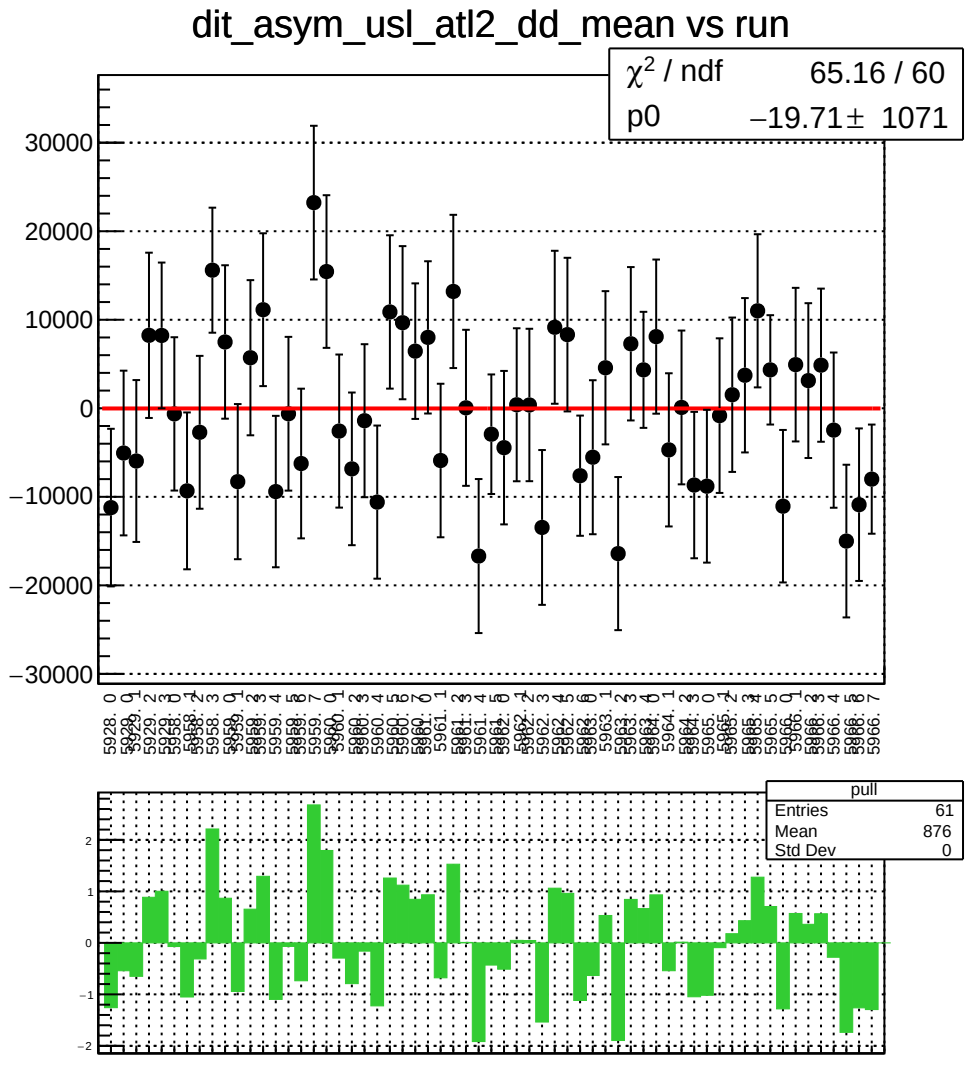
asym_usl_atl2_dd_eigen_cor_correction_mean vs run

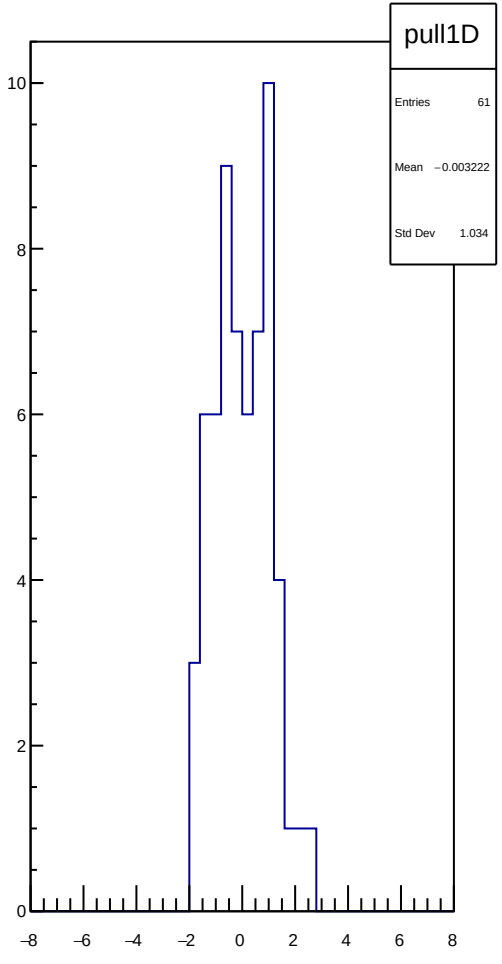


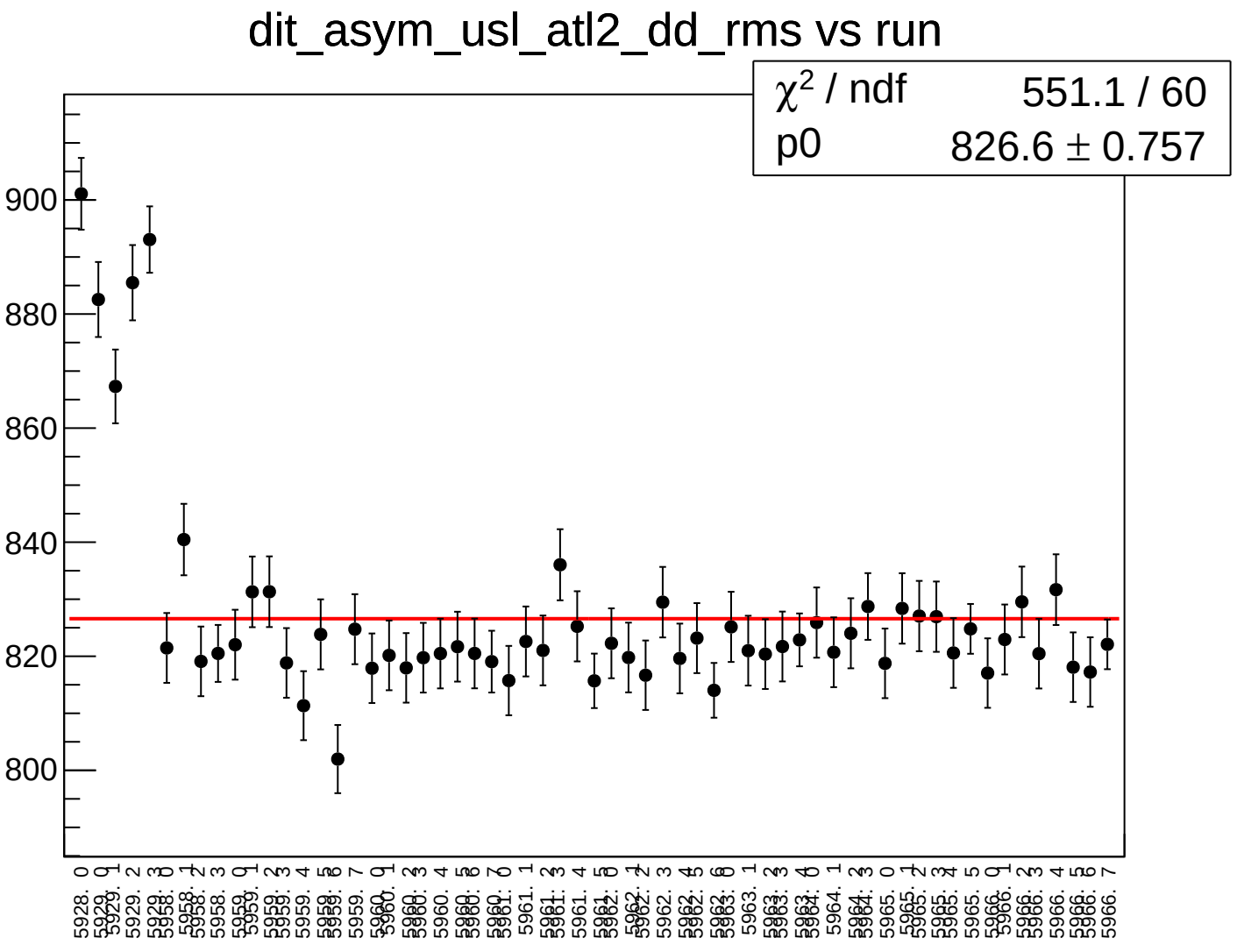


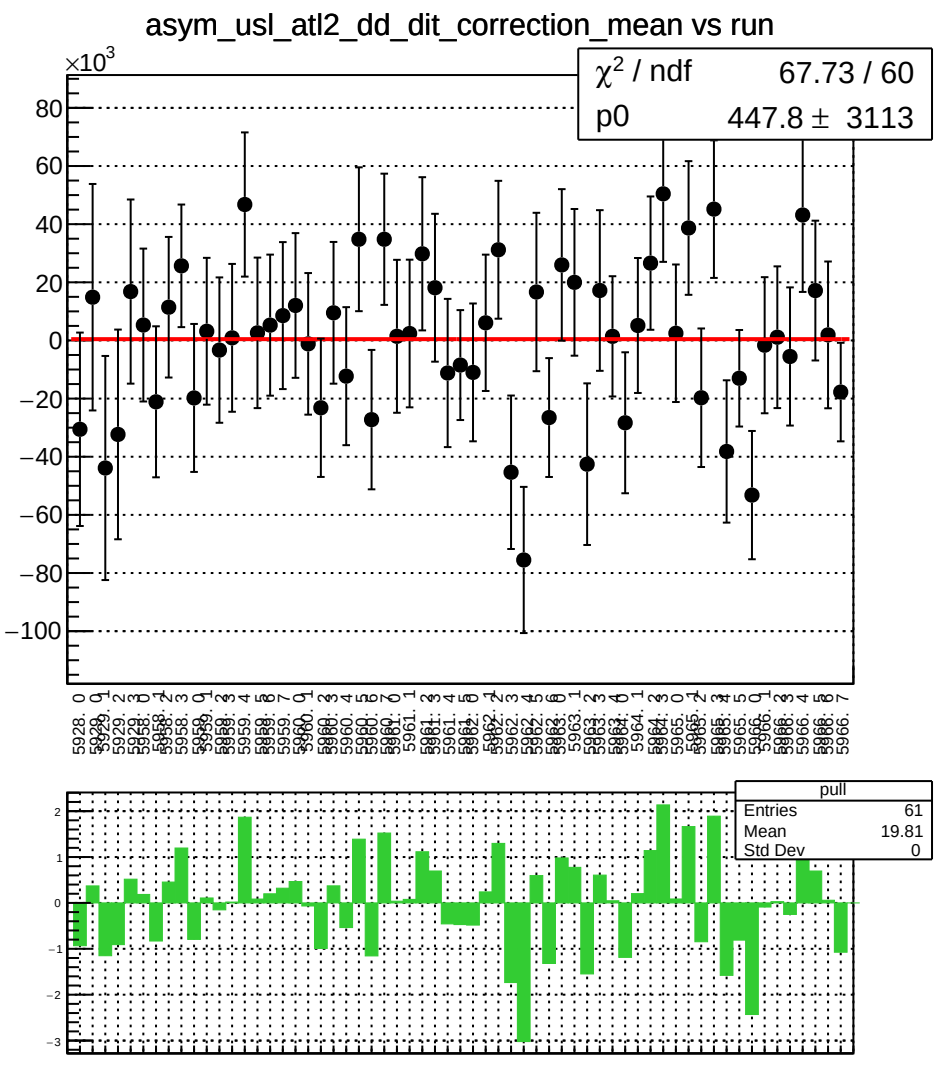


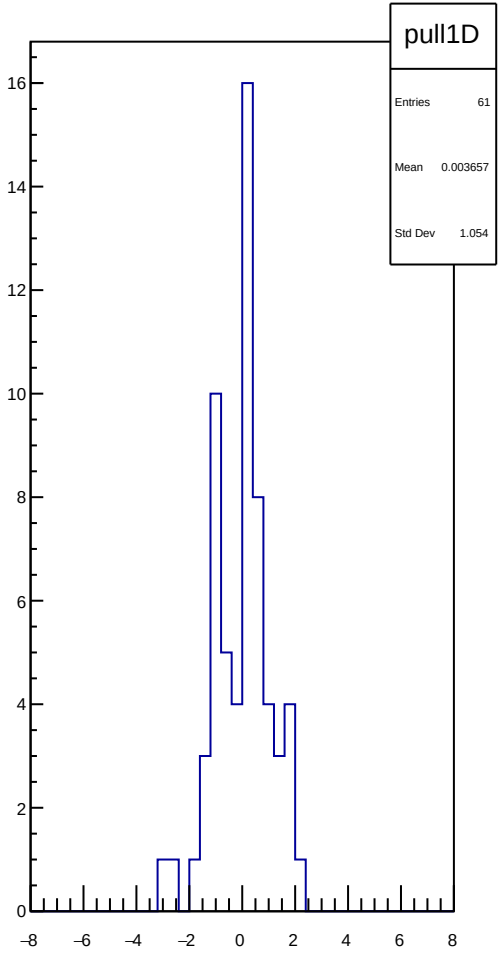

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 2388 ± 2.198
3600
3400
3200
3000
2800
2600
2400
2200
2000

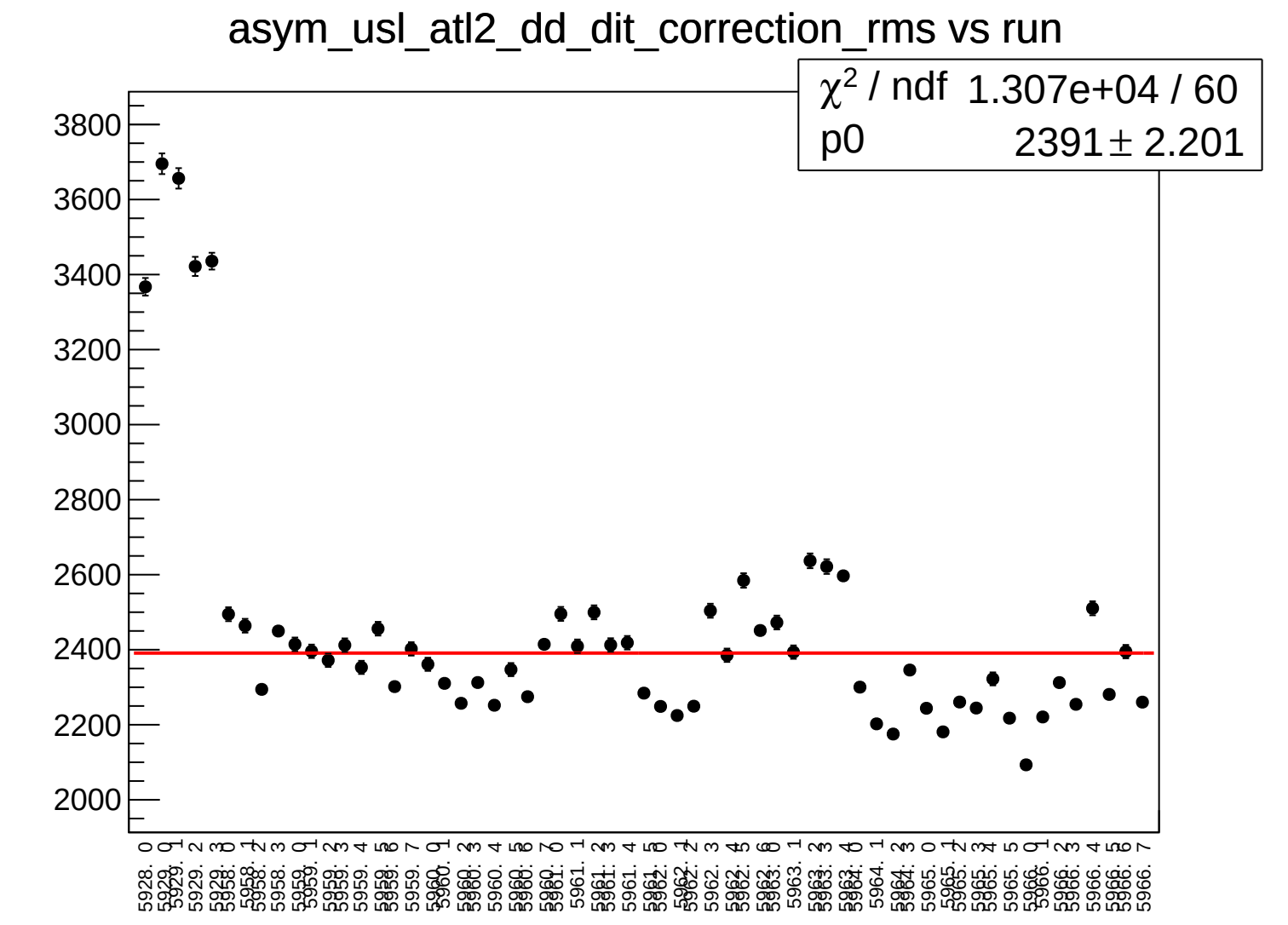

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.16 / 60
p0 −19.71± 1071
pull
Entries 61
Mean 876
Std Dev 0

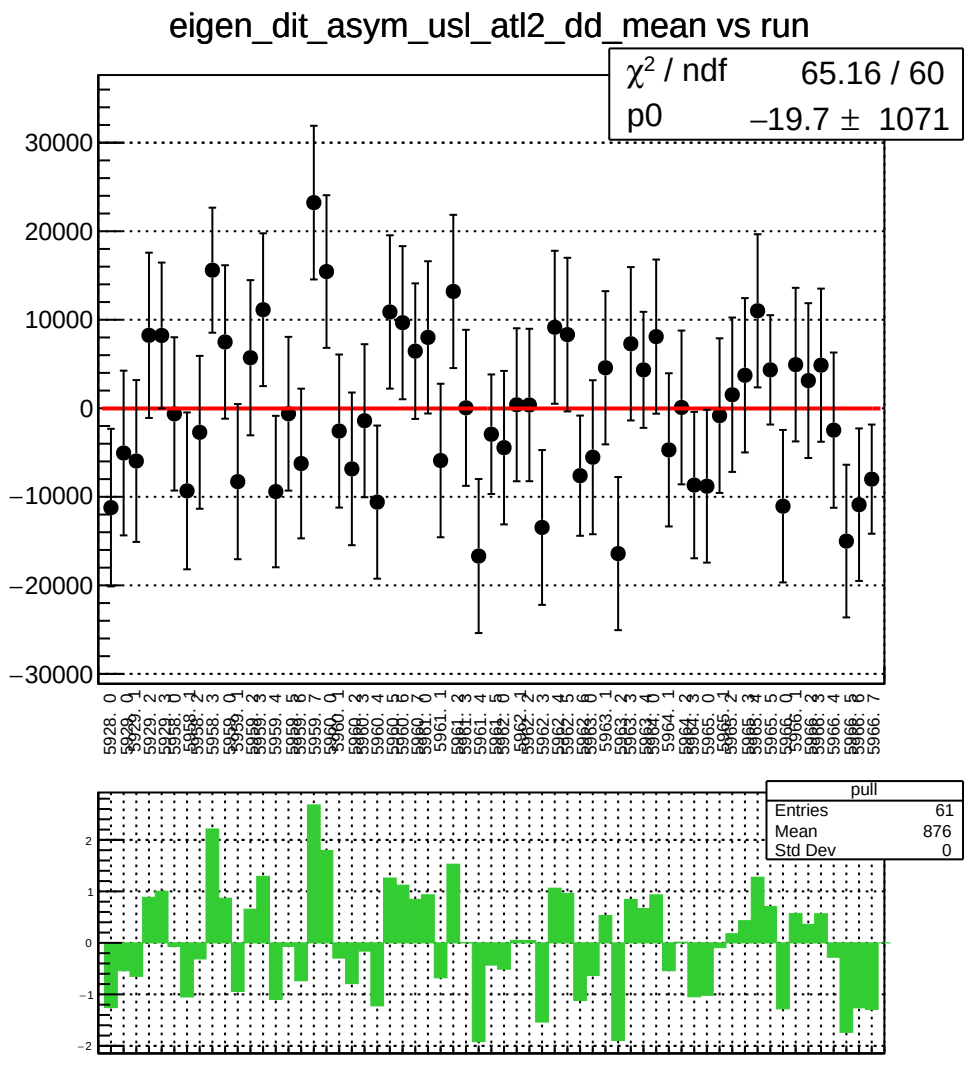

pull1D
Entries 61
Mean −0.003222
Std Dev 1.034

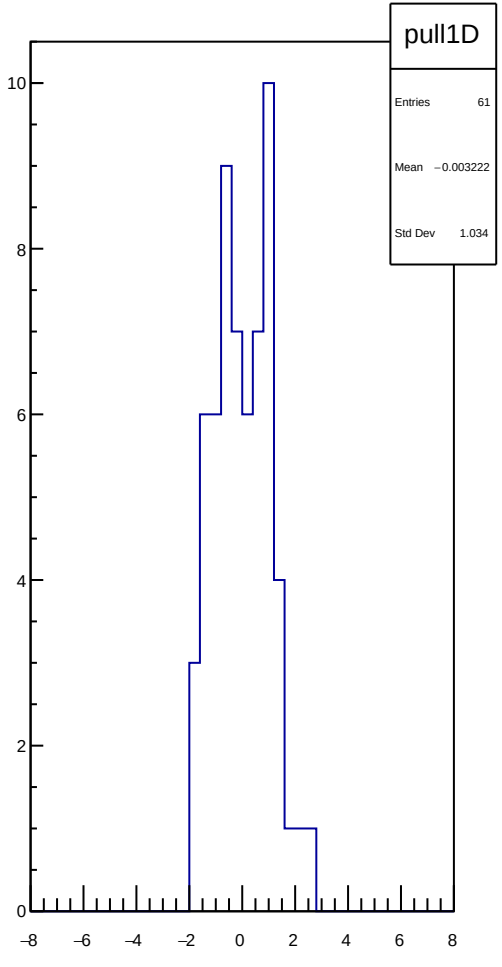

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 551.1 / 60
p0 826.6 ± 0.757
900
880
860
840
820
800

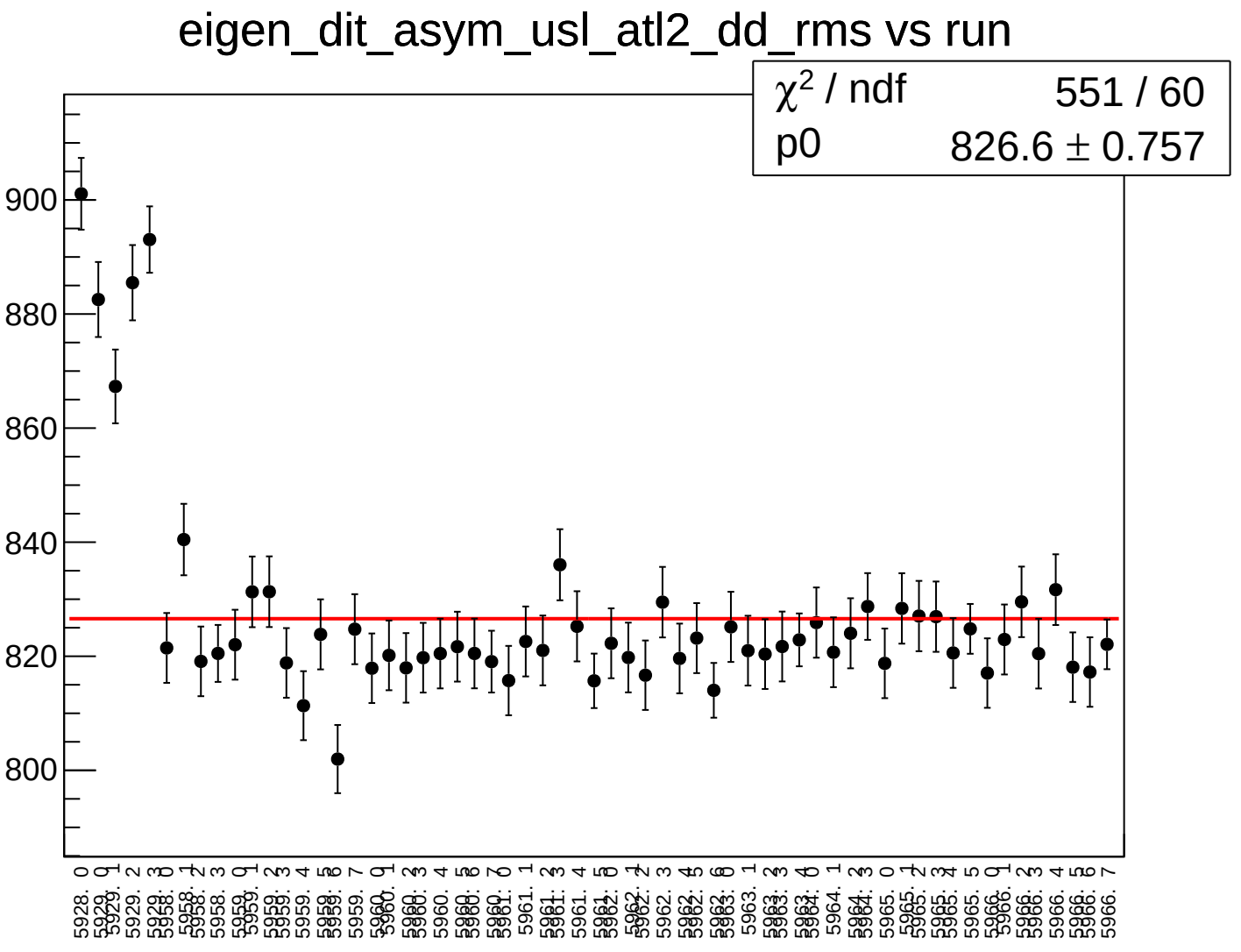

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 67.73 / 60
p0 447.8 ± 3113
pull
Entries 61
Mean 19.81
Std Dev 0

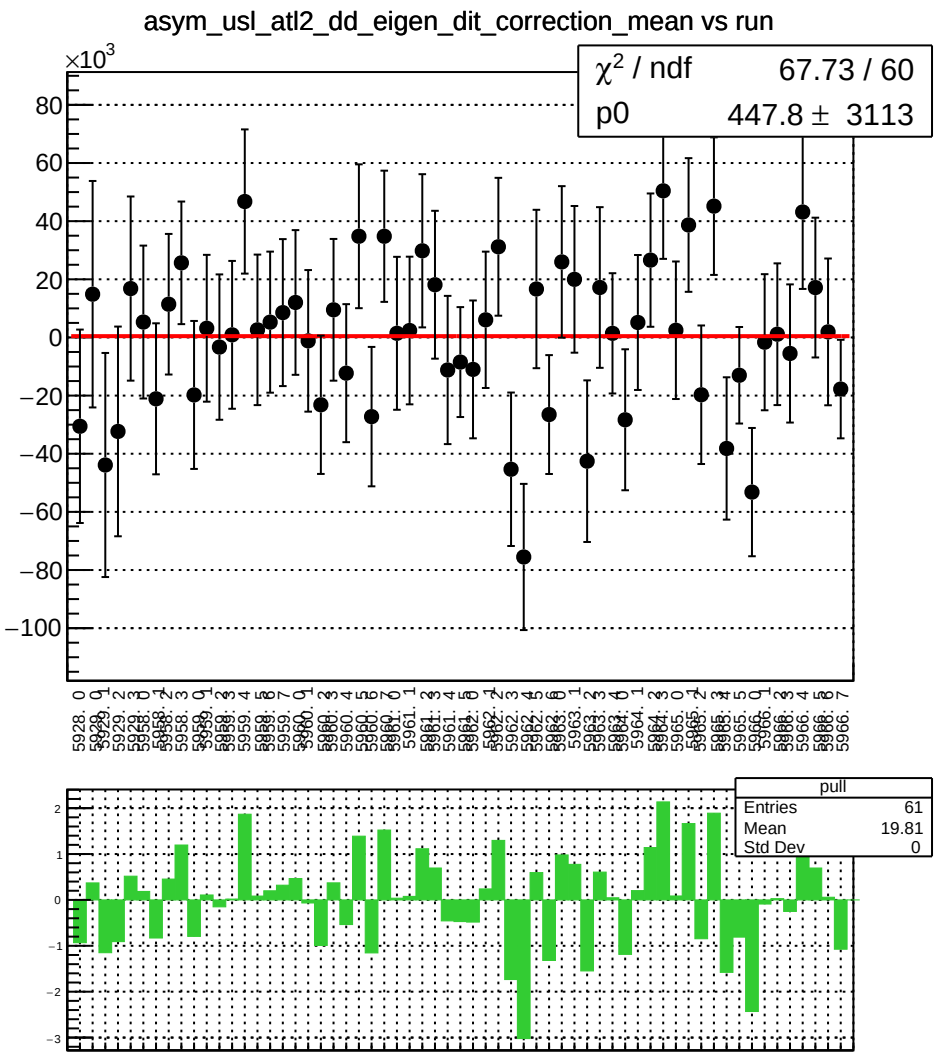

pull1D
Entries 61
Mean 0.003657
Std Dev 1.054

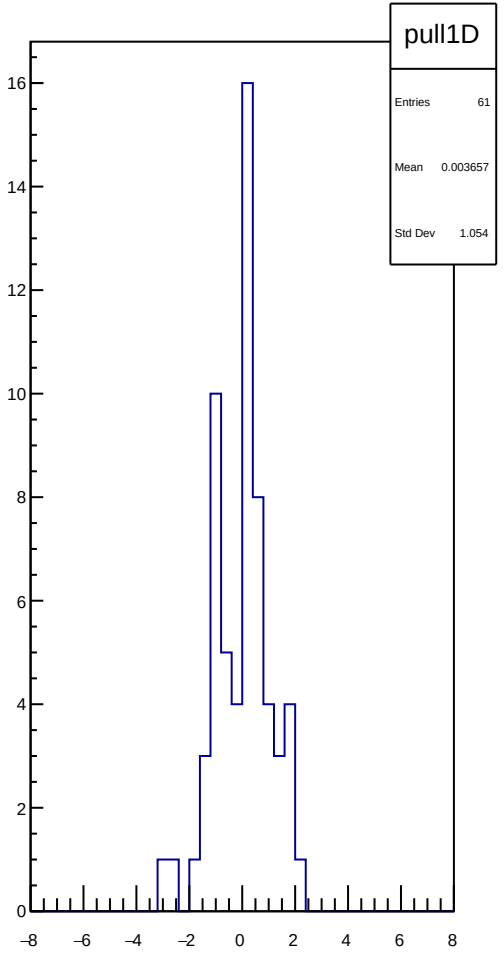

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 1.307e+04 / 60
p0 2391 ± 2.201
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

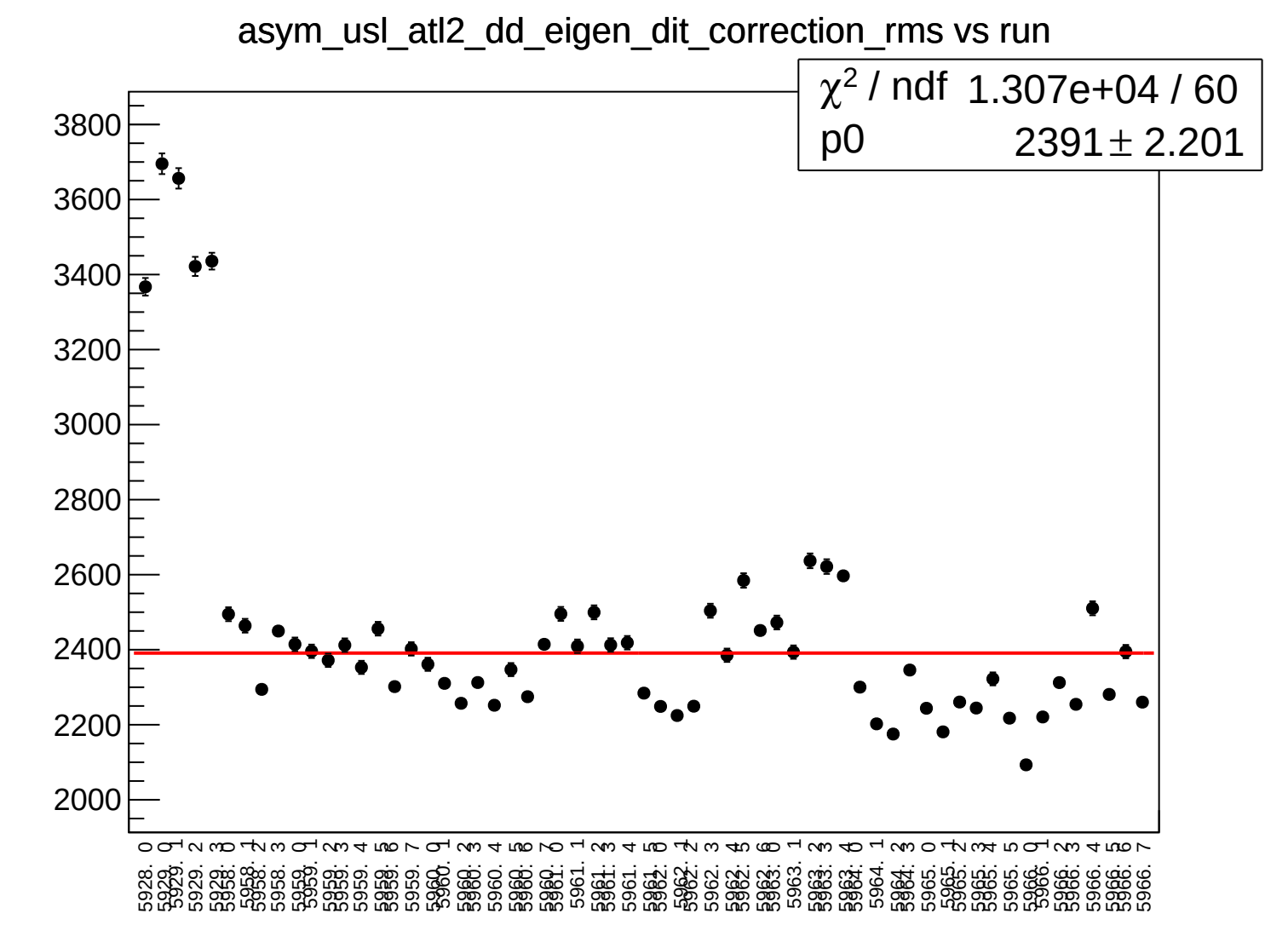

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 65.16 / 60
p0 −19.7 ± 1071
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 876
Std Dev 0
2
1
0
−1
−2

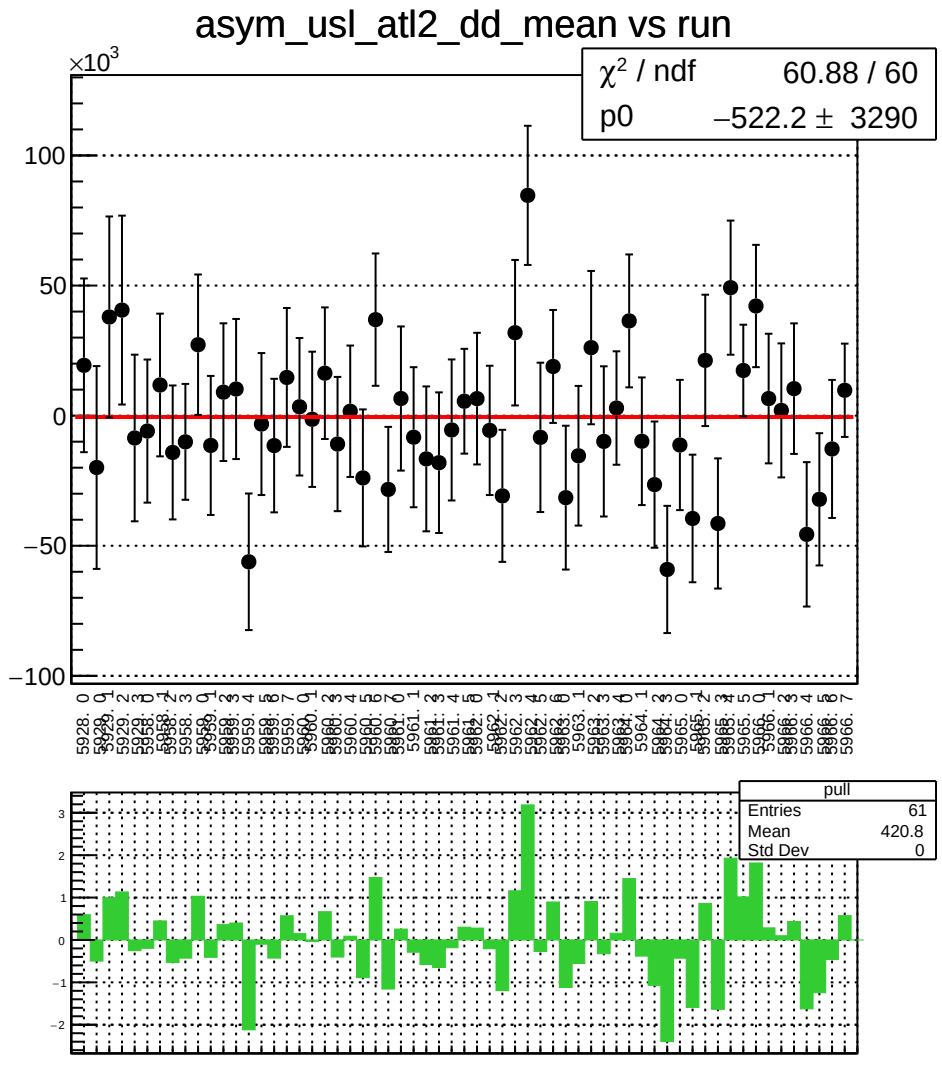

pull1D
Entries 61
Mean −0.003222
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

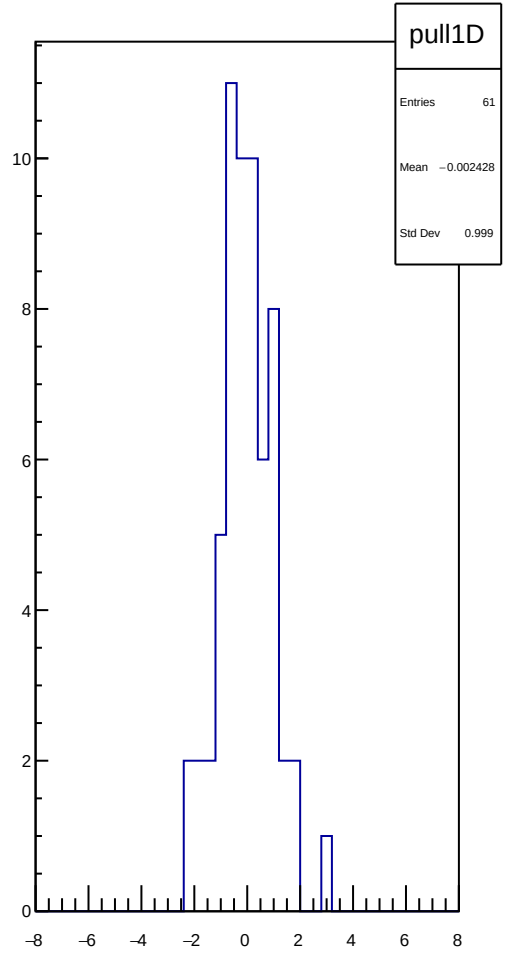

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 551 / 60
p0 826.6 ± 0.757
900
880
860
840
820
800

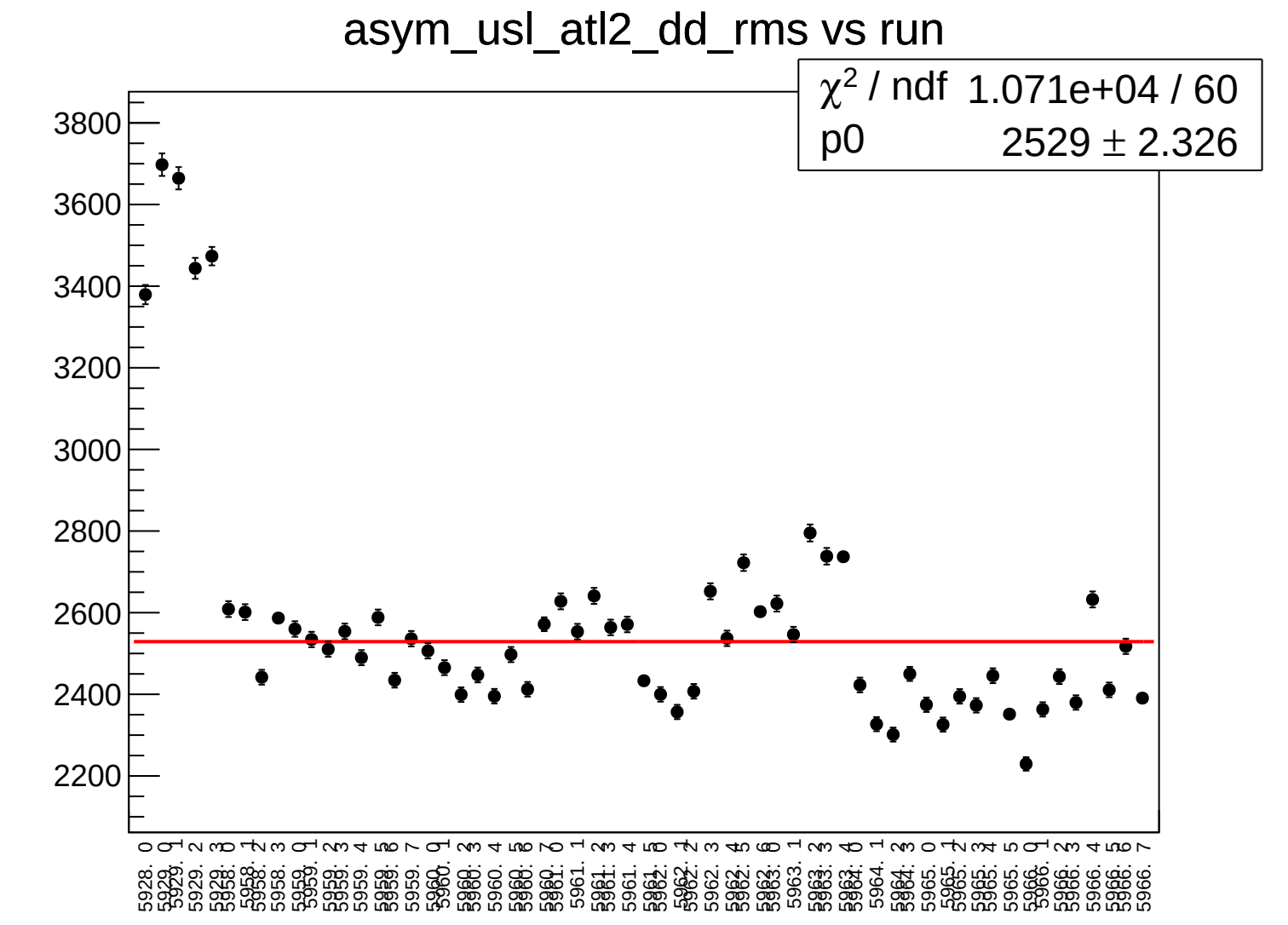

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.73 / 60
p0 447.8 ± 3113
pull
Entries 61
Mean 19.81
Std Dev 0

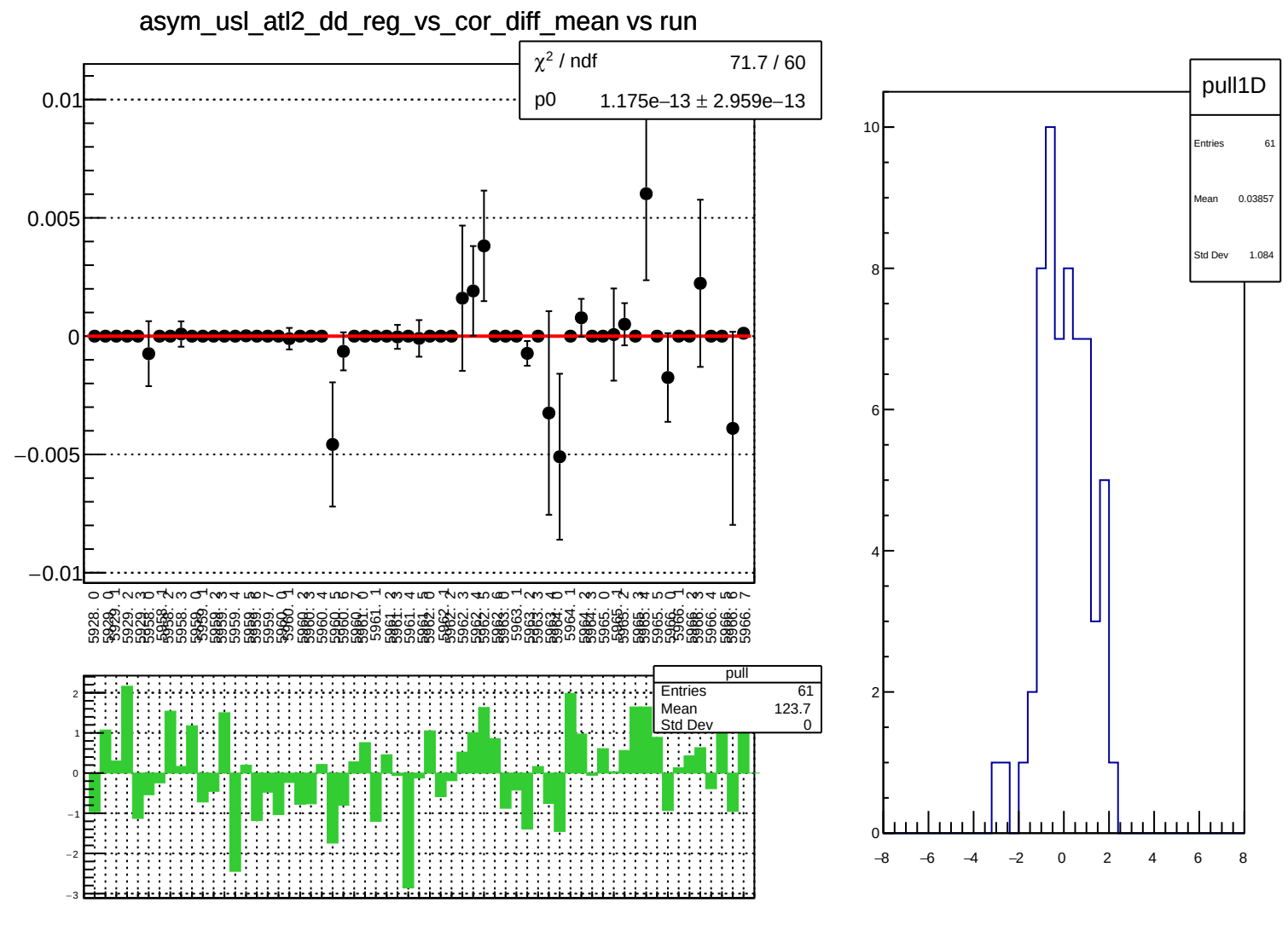

pull1D
Entries 61
Mean 0.003657
Std Dev 1.054

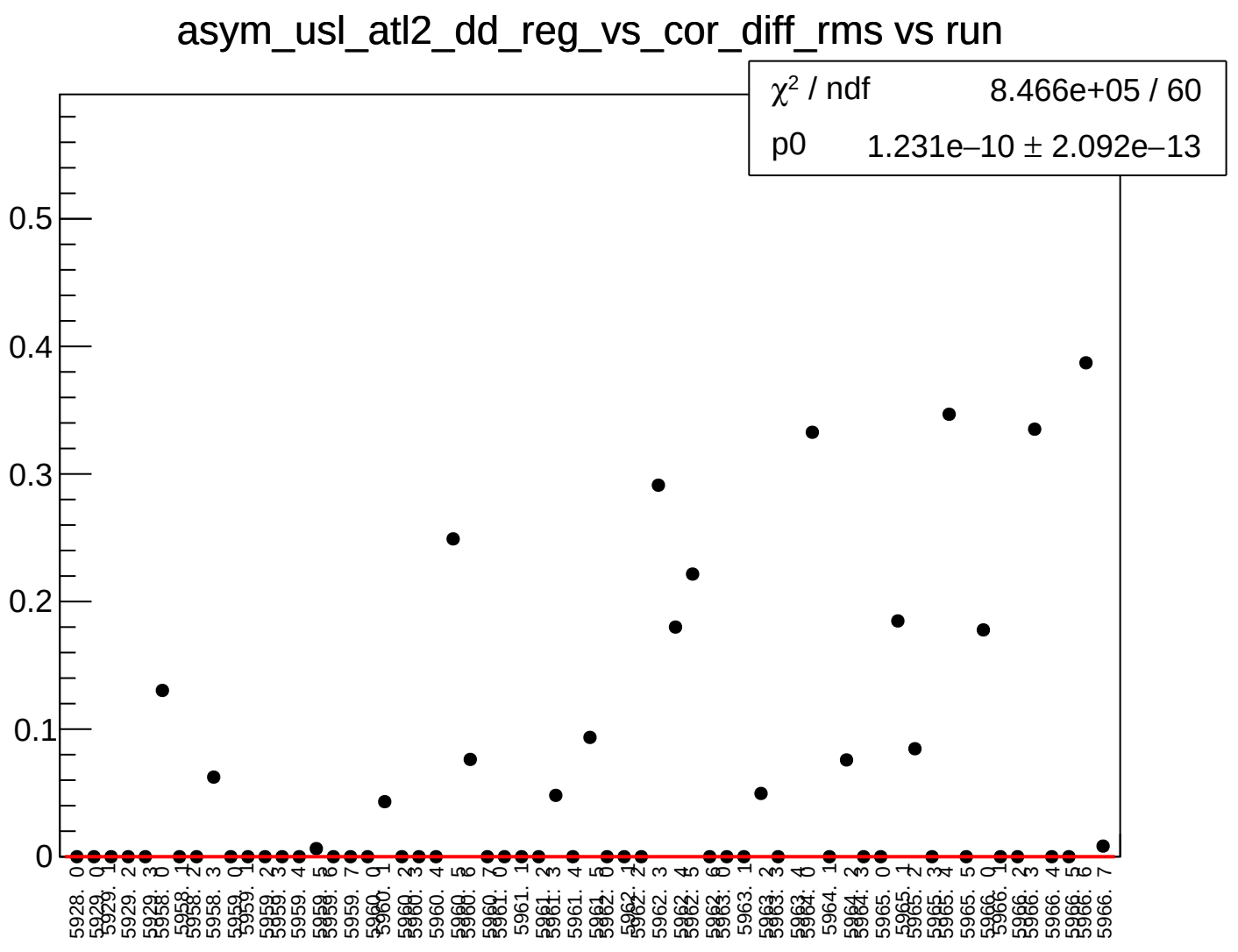

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.307e+04 / 60
p0 2391 ± 2.201
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

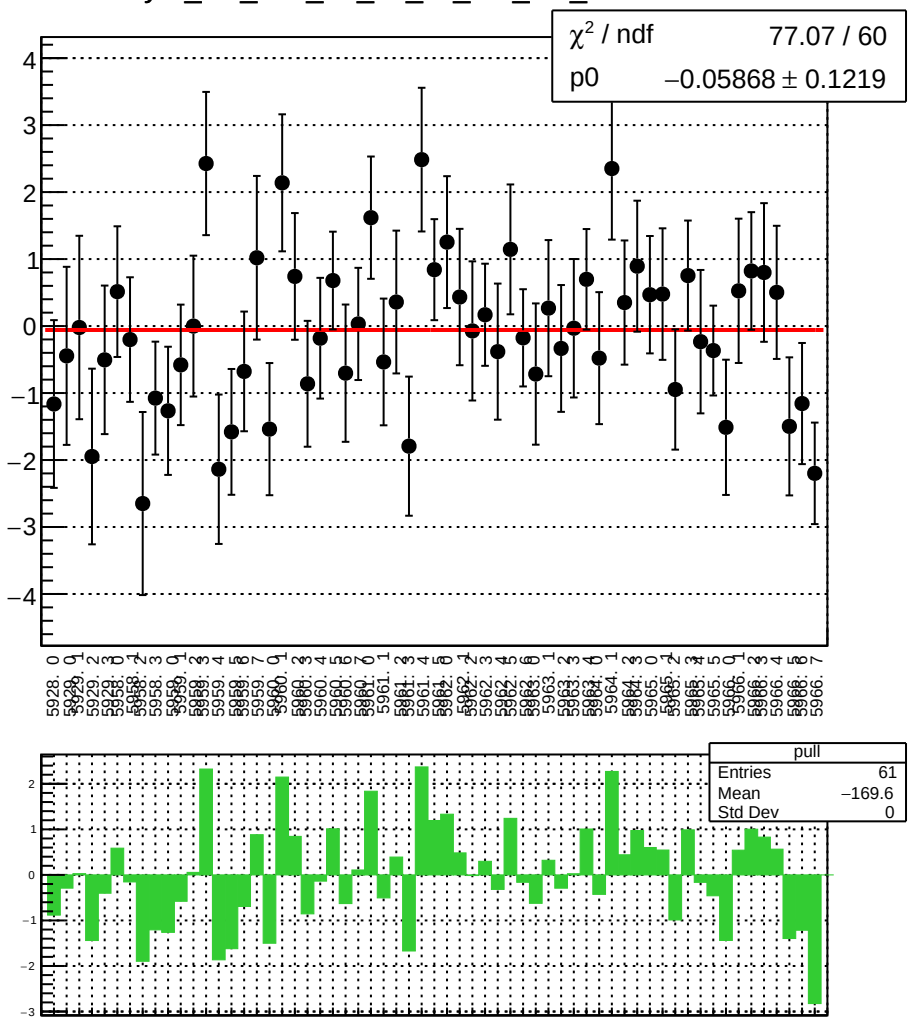

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 60.88 / 60
p0 −522.2 ± 3290
100
50
0
−50
−100
pull
Entries 61
Mean 420.8
Std Dev 0
3
2
1
0
−1
−2

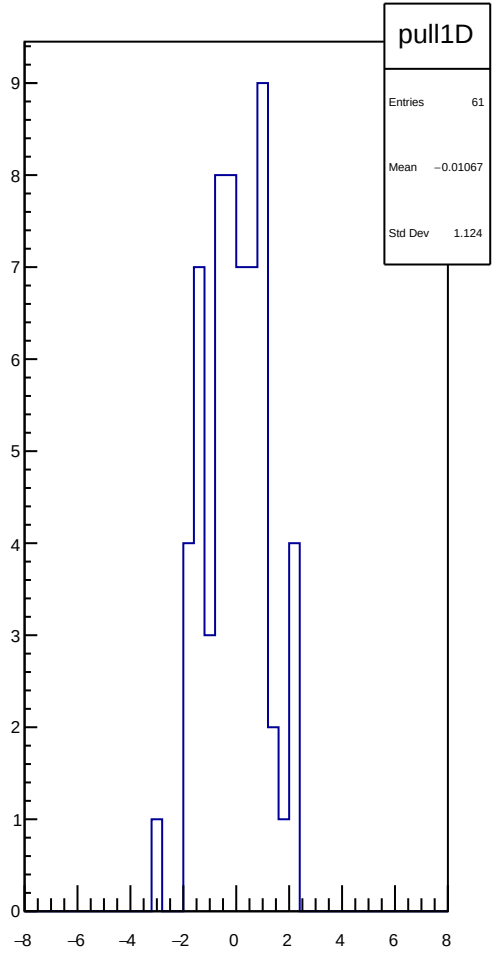

pull1D
Entries 61
Mean −0.002428
Std Dev 0.999
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

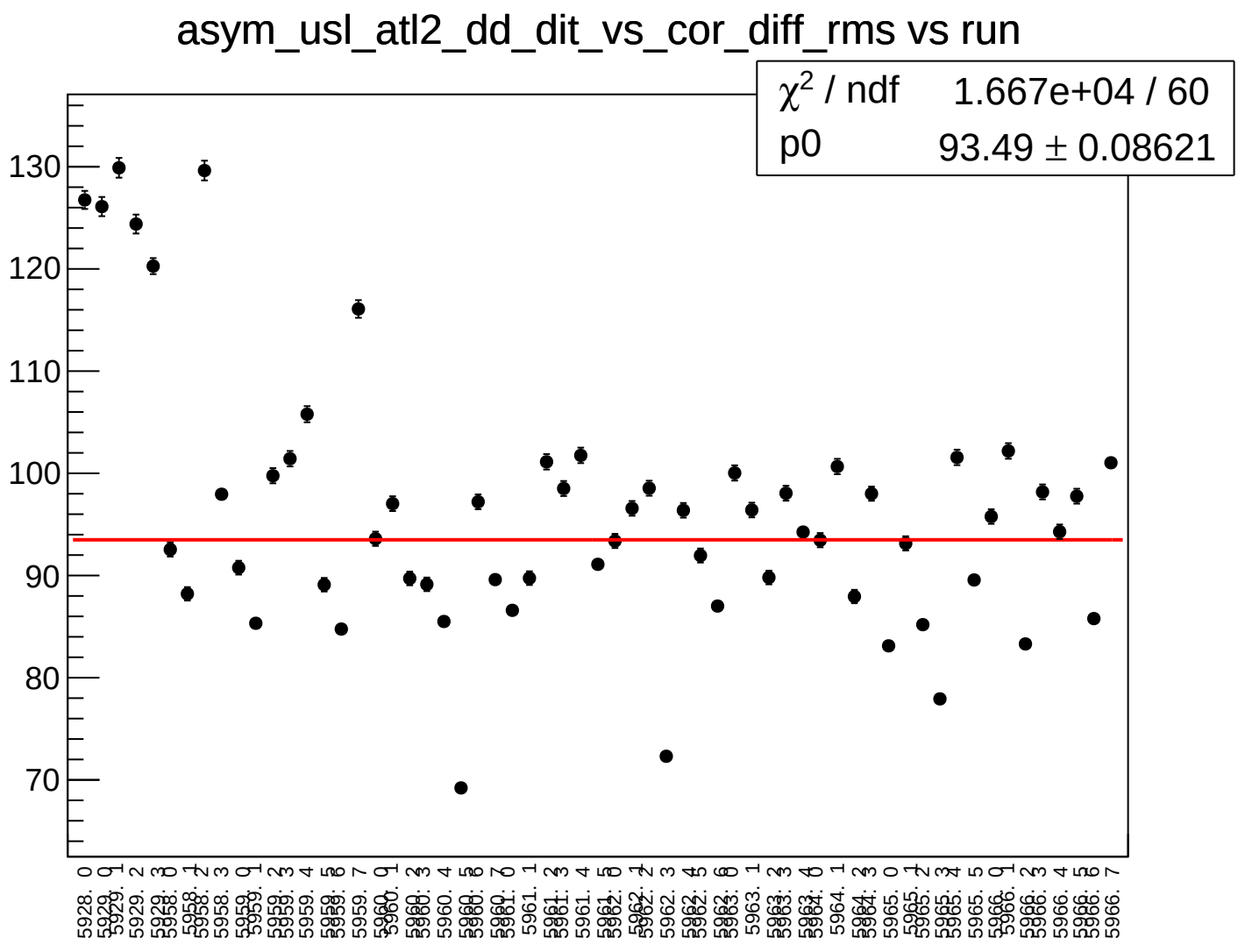

asym_usl_atl2_dd_rms vs run
χ² / ndf 1.071e+04 / 60
p0 2529 ± 2.326
3800
3600
3400
3200
3000
2800
2600
2400
2200

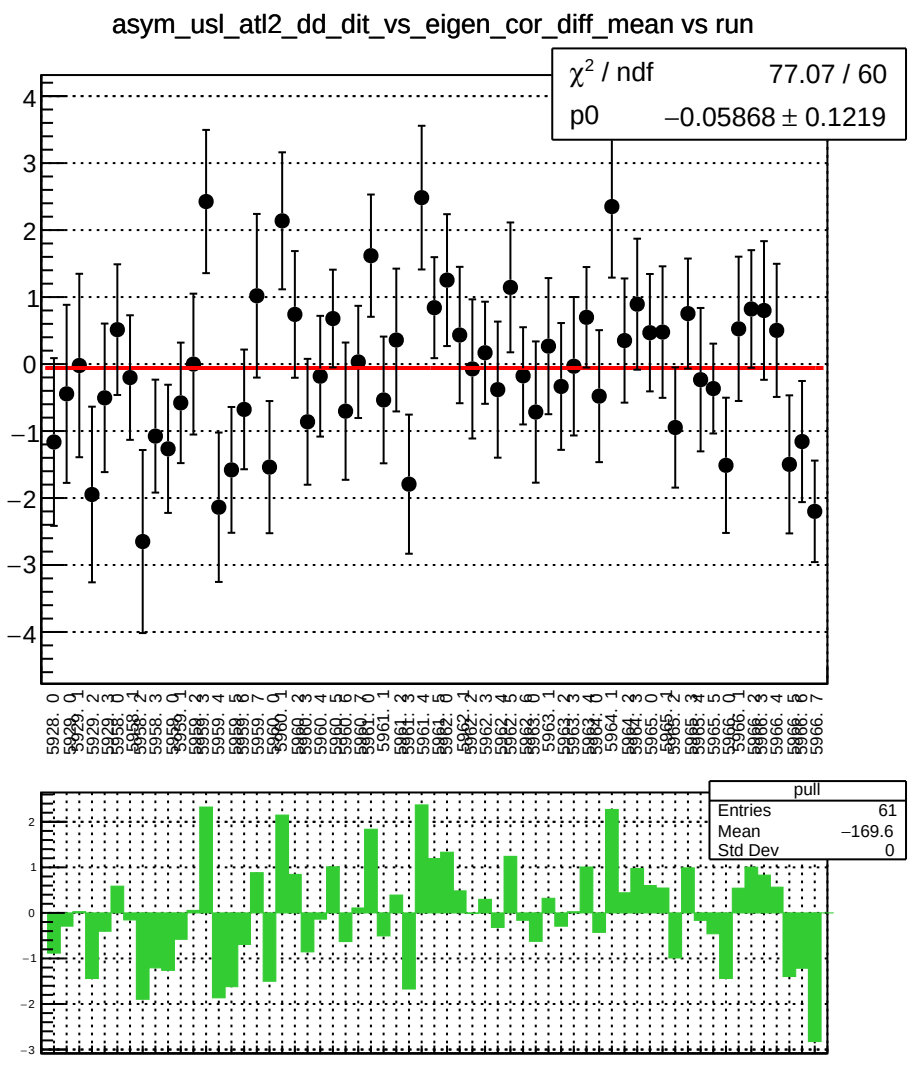

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 71.7 / 60
p0 1.175e−13 ± 2.959e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 61
Mean 123.7
Std Dev 0
pull1D
Entries 61
Mean 0.03857
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

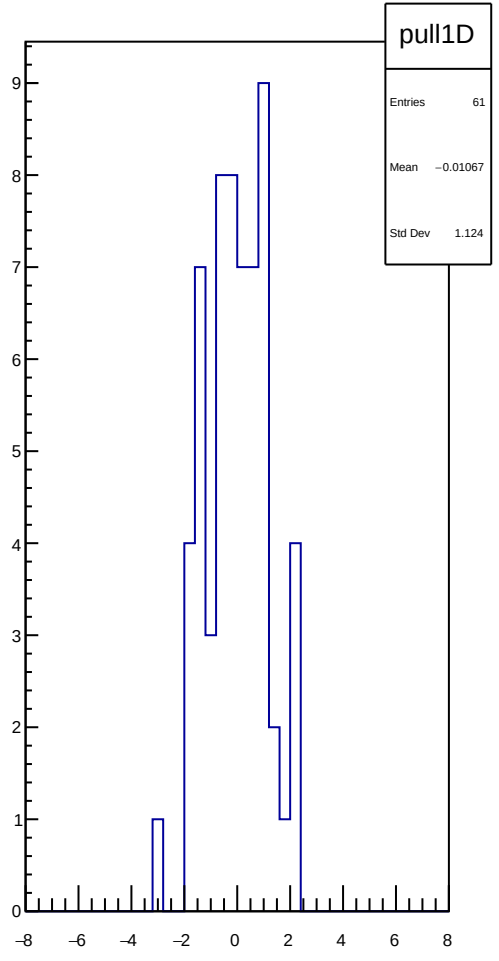

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.466e+05 / 60
p0 1.231e−10 ± 2.092e−13
0.5
0.4
0.3
0.2
0.1
0

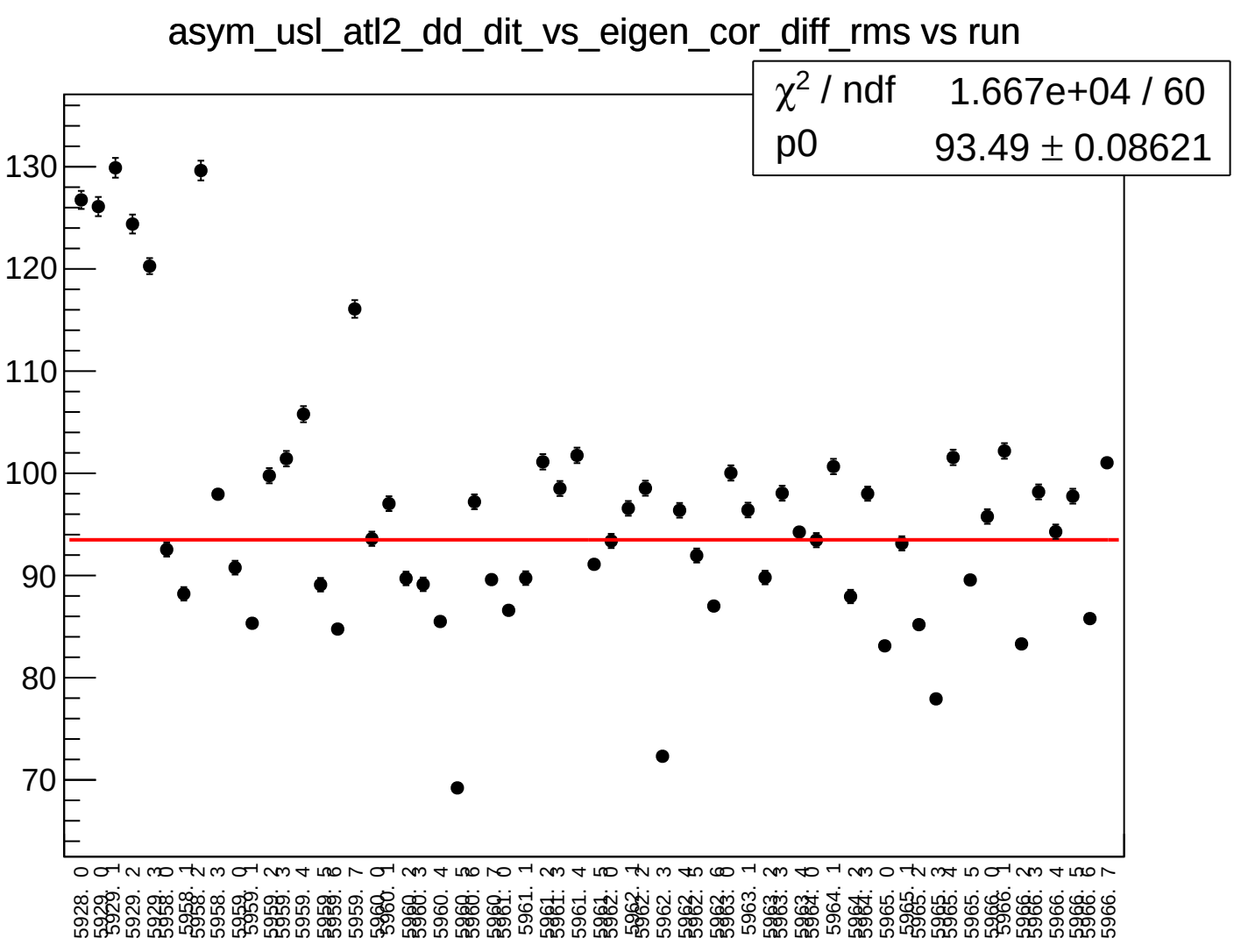

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.07 / 60
p0 −0.05868 ± 0.1219
pull
Entries 61
Mean −169.6
Std Dev 0

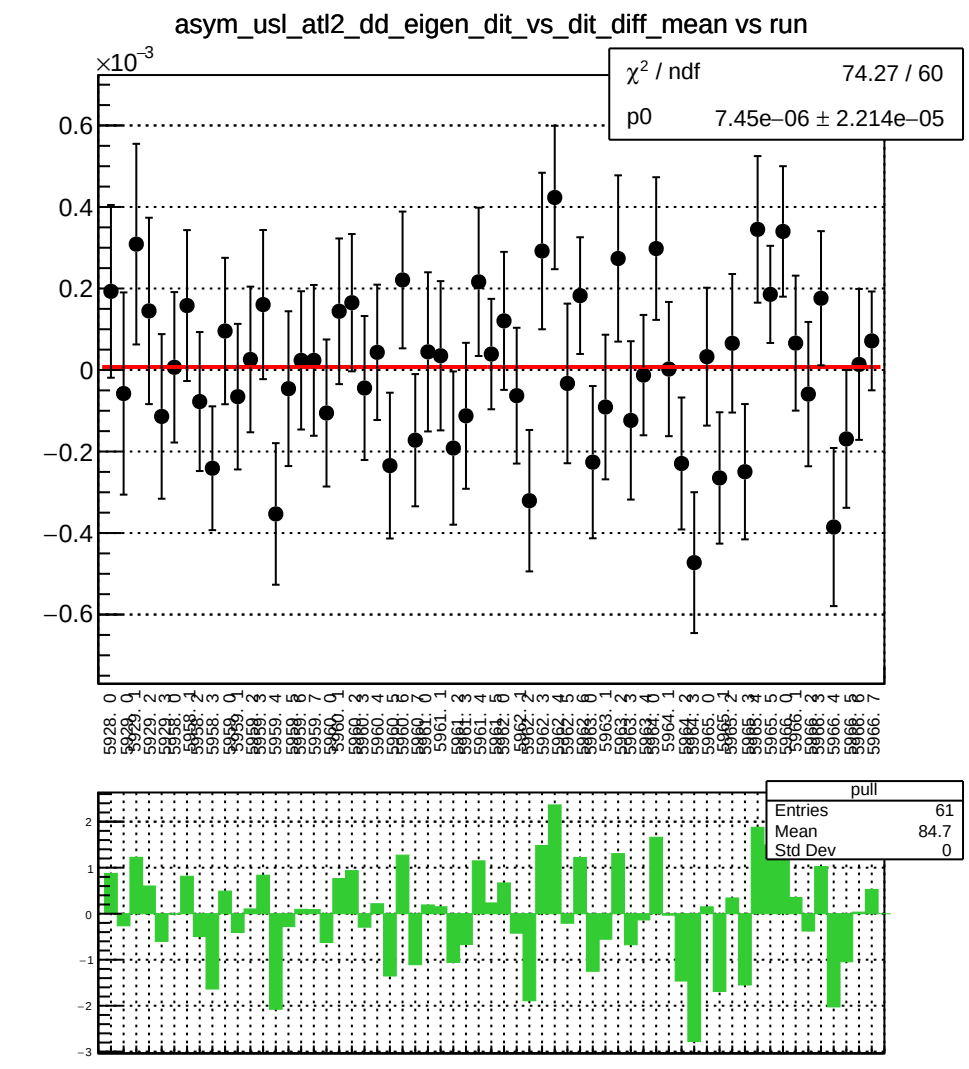

pull1D
Entries 61
Mean −0.01067
Std Dev 1.124

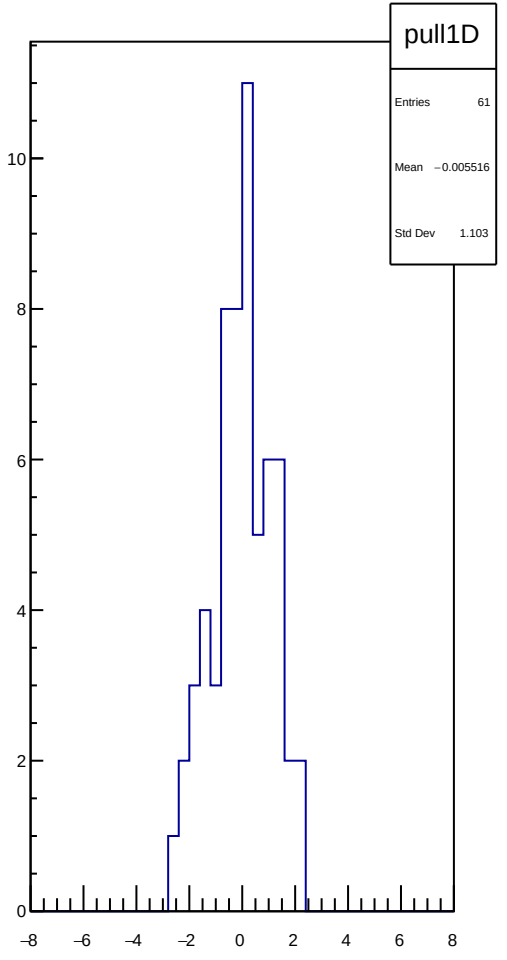

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.667e+04 / 60
p0 93.49 ± 0.08621
130
120
110
100
90
80
70

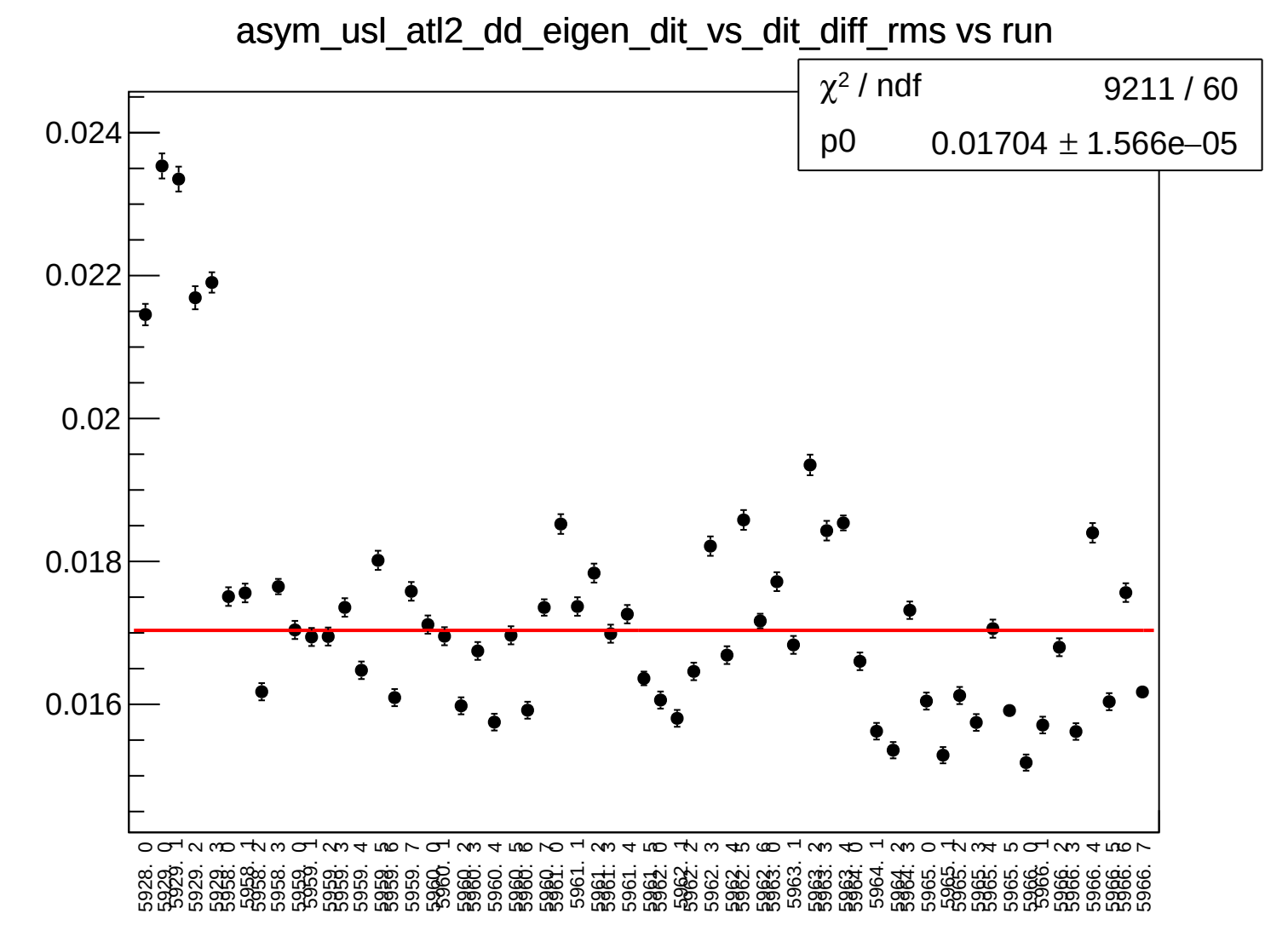

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.07 / 60
p0 −0.05868 ± 0.1219
pull
Entries 61
Mean −169.6
Std Dev 0

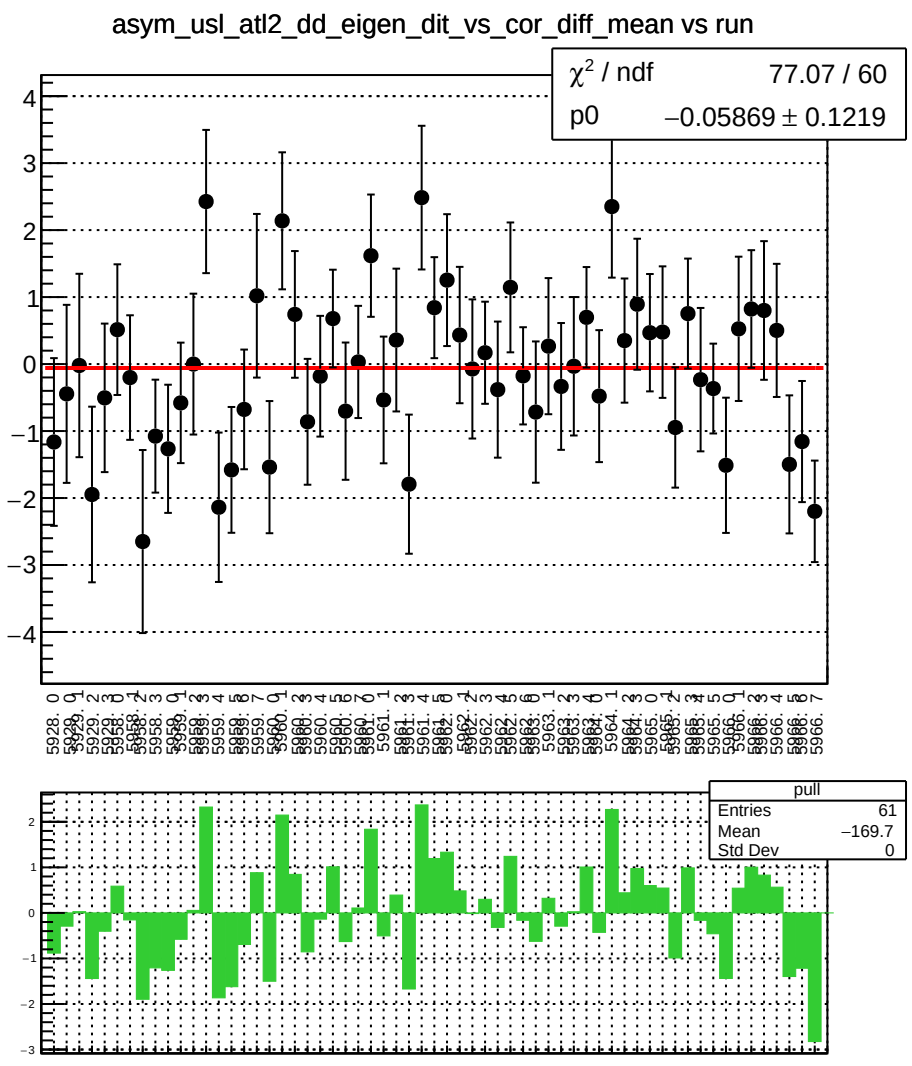

pull1D
Entries 61
Mean −0.01067
Std Dev 1.124

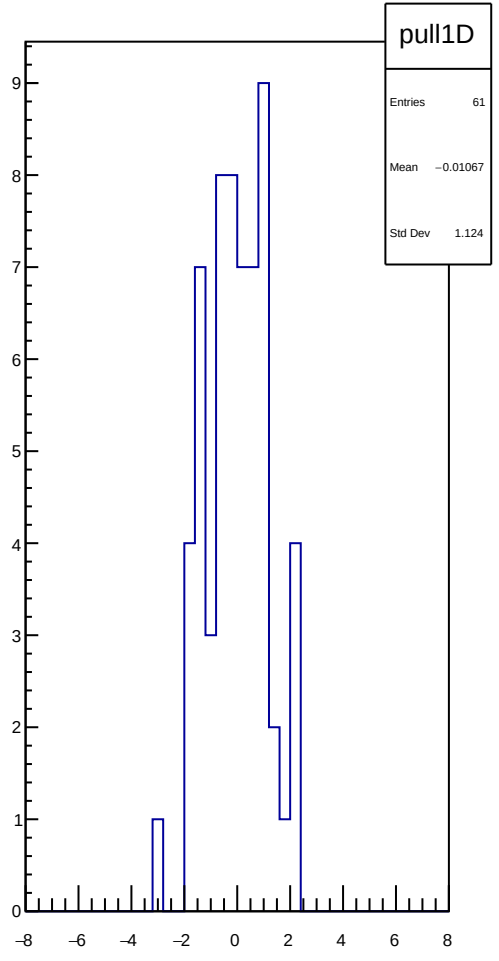

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.667e+04 / 60
p0 93.49 ± 0.08621
130
120
110
100
90
80
70

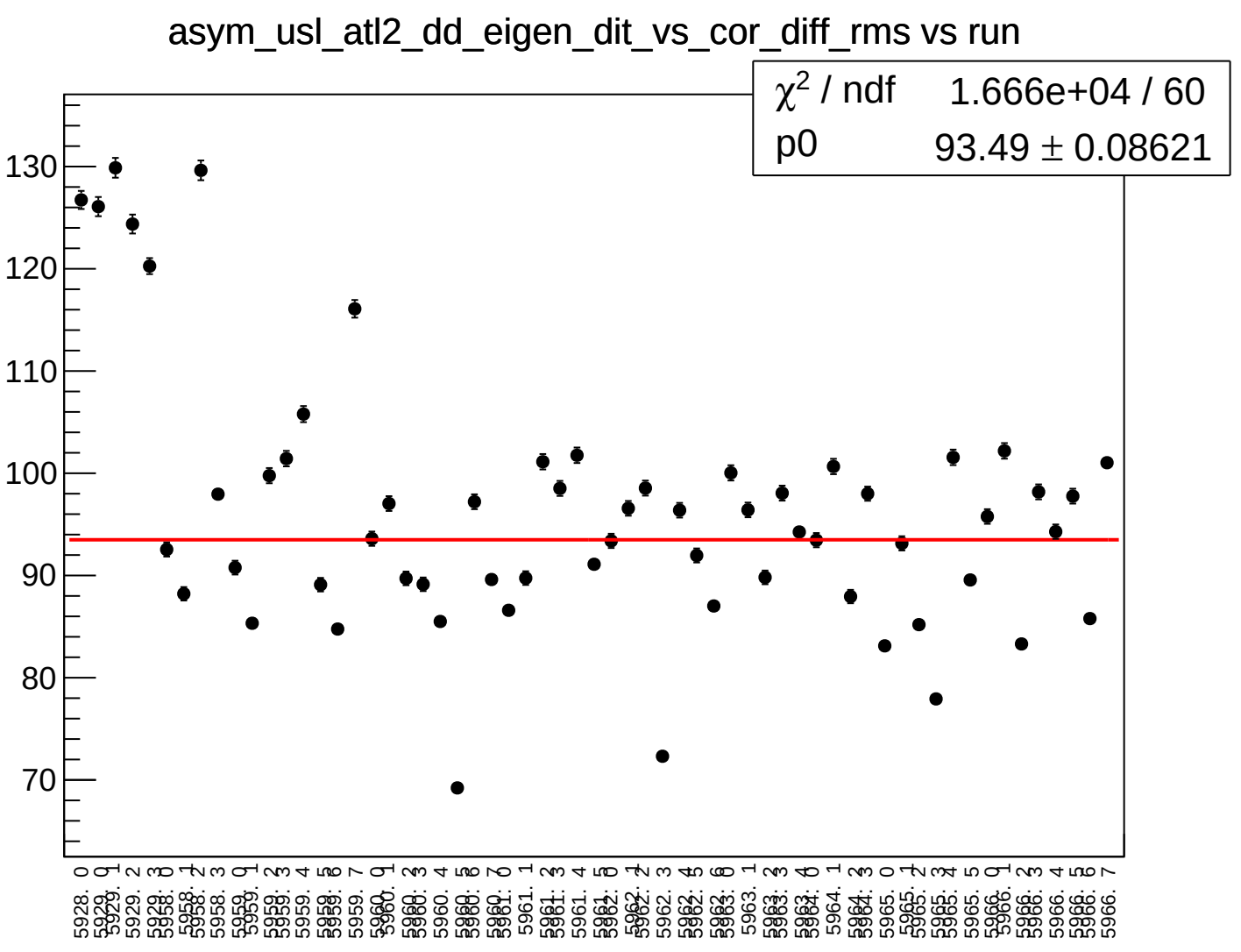

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.27 / 60
p0 7.45e−06 ± 2.214e−05
pull
Entries 61
Mean 84.7
Std Dev 0


pull1D
Entries 61
Mean −0.005516
Std Dev 1.103

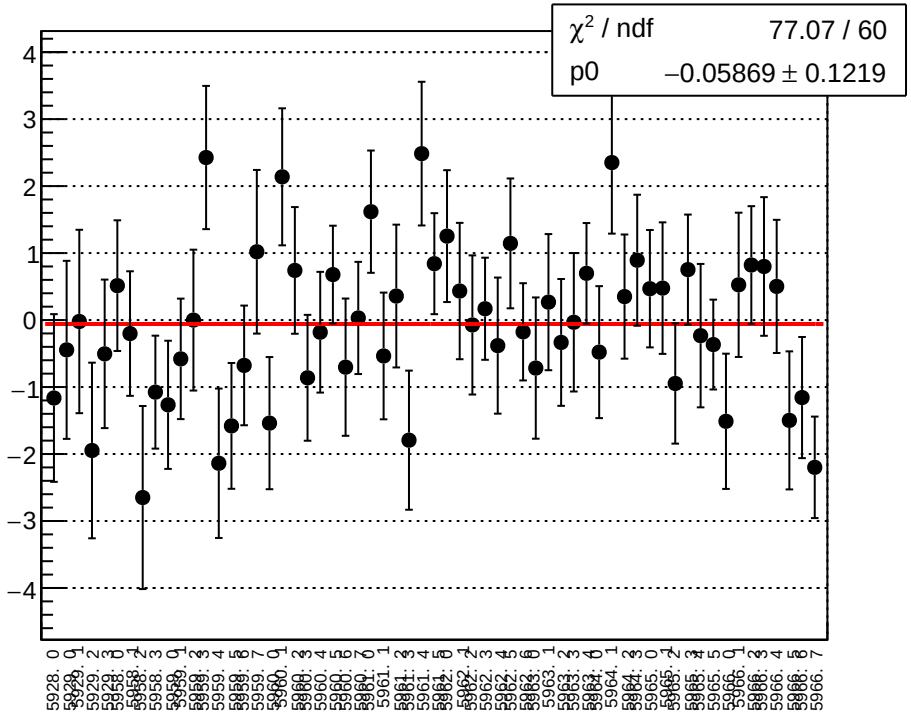

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9211 / 60
p0 0.01704 ± 1.566e−05
0.024
0.022
0.02
0.018
0.016

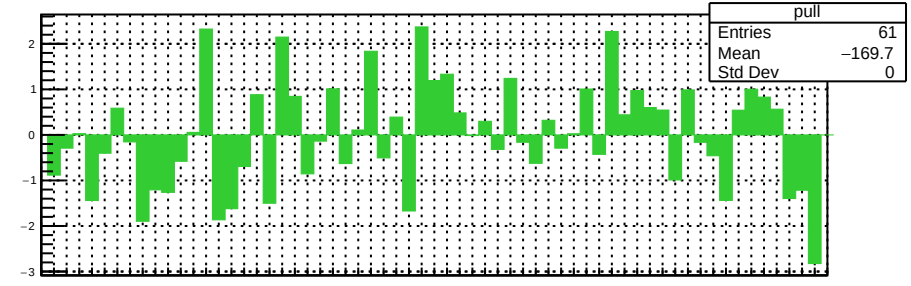

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.07 / 60
p0 −0.05869 ± 0.1219
pull
Entries 61
Mean −169.7
Std Dev 0

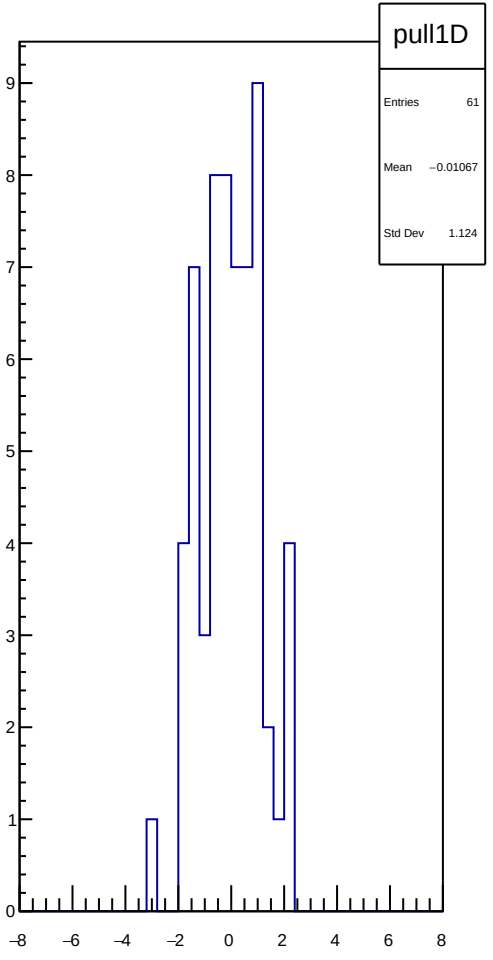

pull1D
Entries 61
Mean −0.01067
Std Dev 1.124

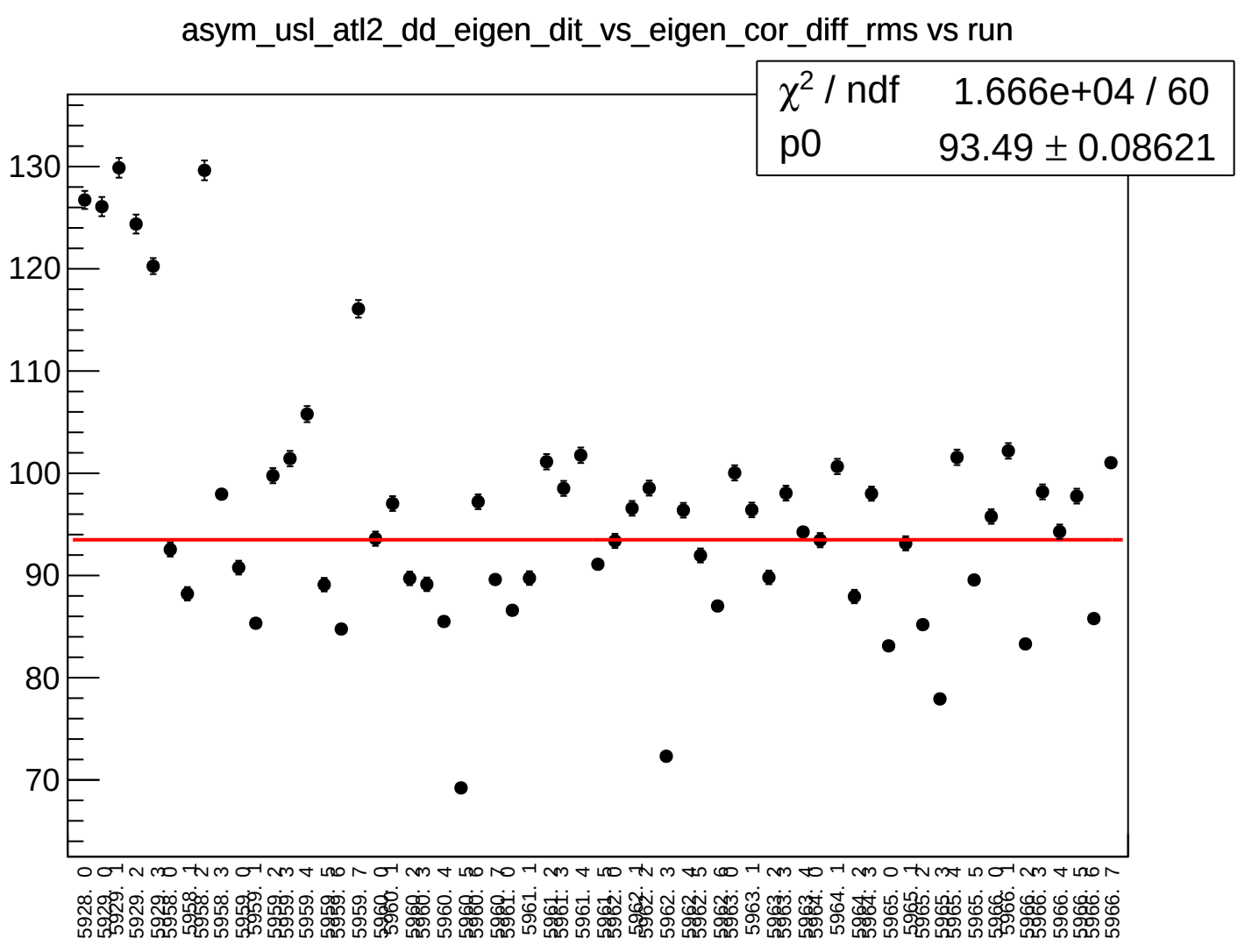

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.666e+04 / 60
p0 93.49 ± 0.08621
130
120
110
100
90
80
70

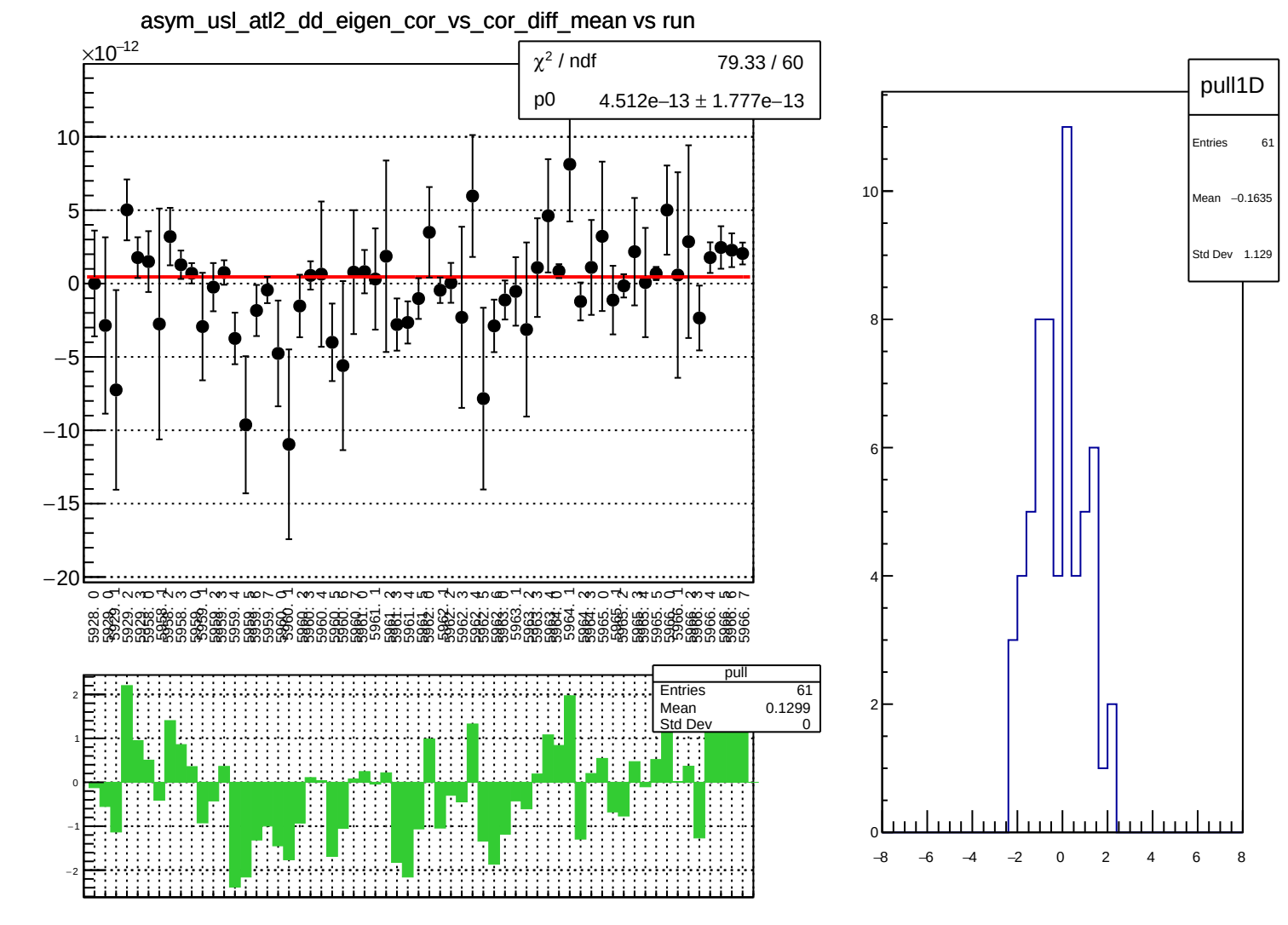
asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

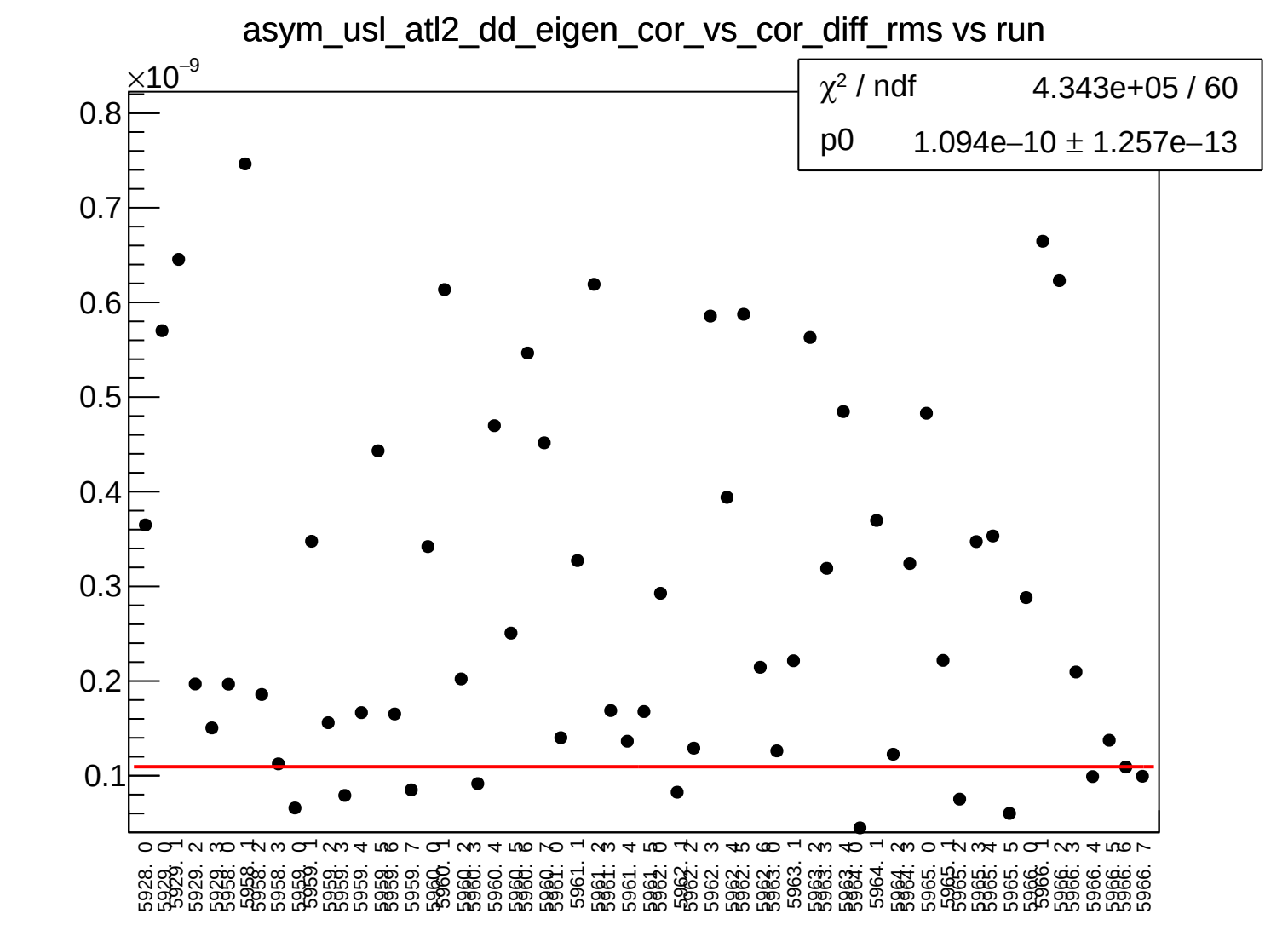


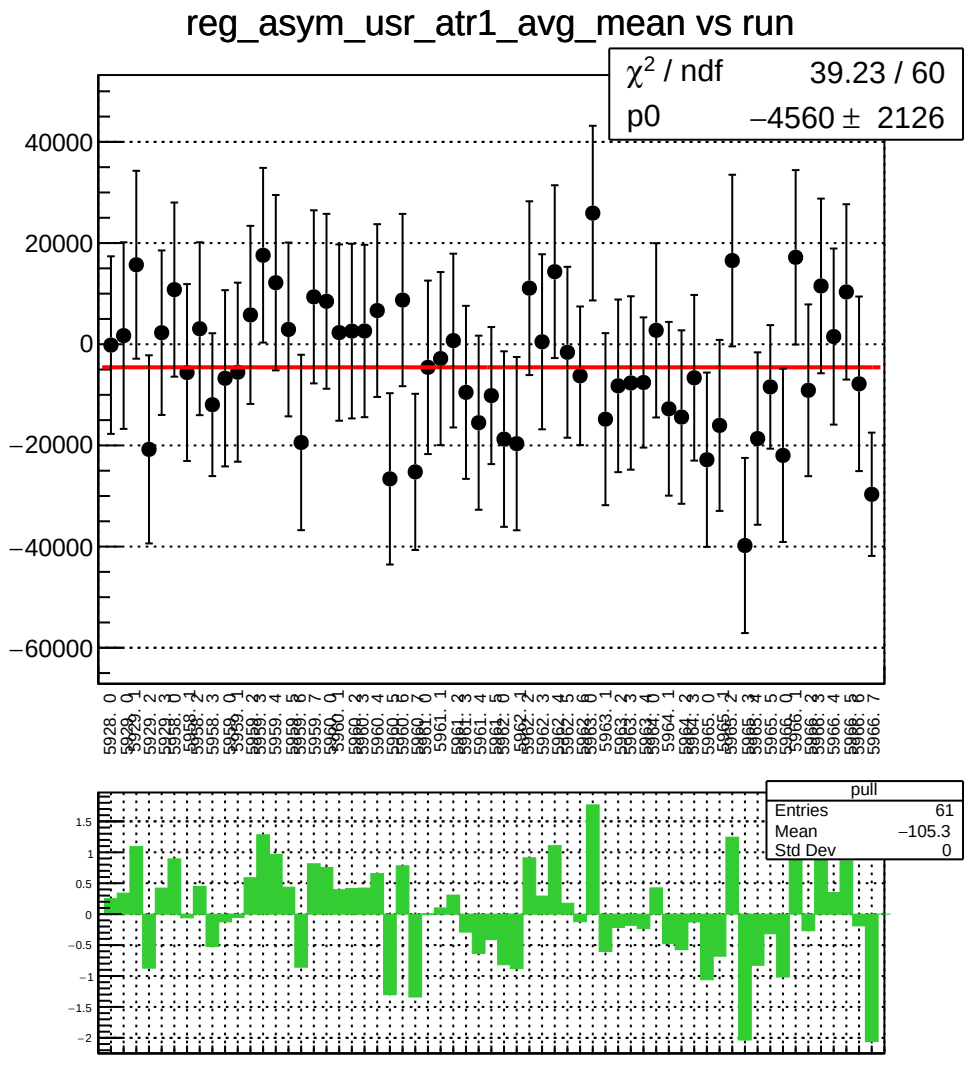


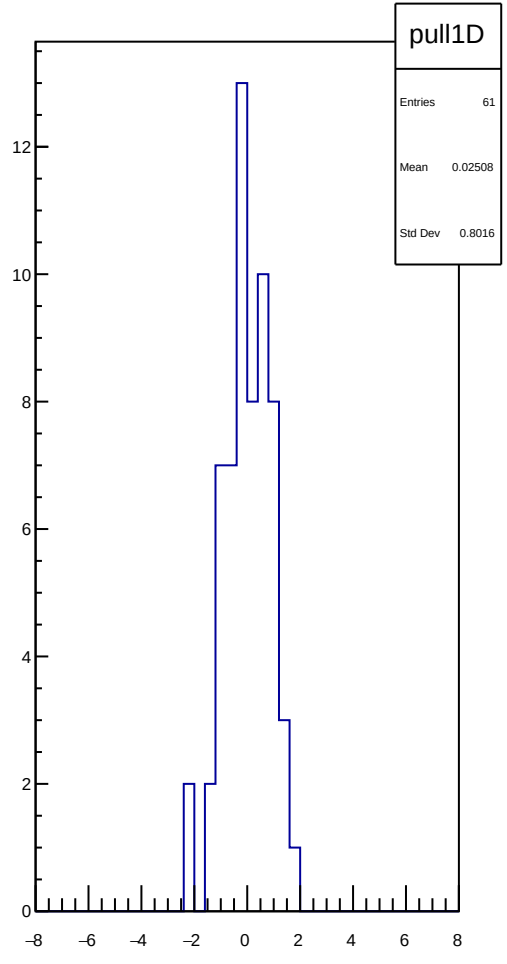


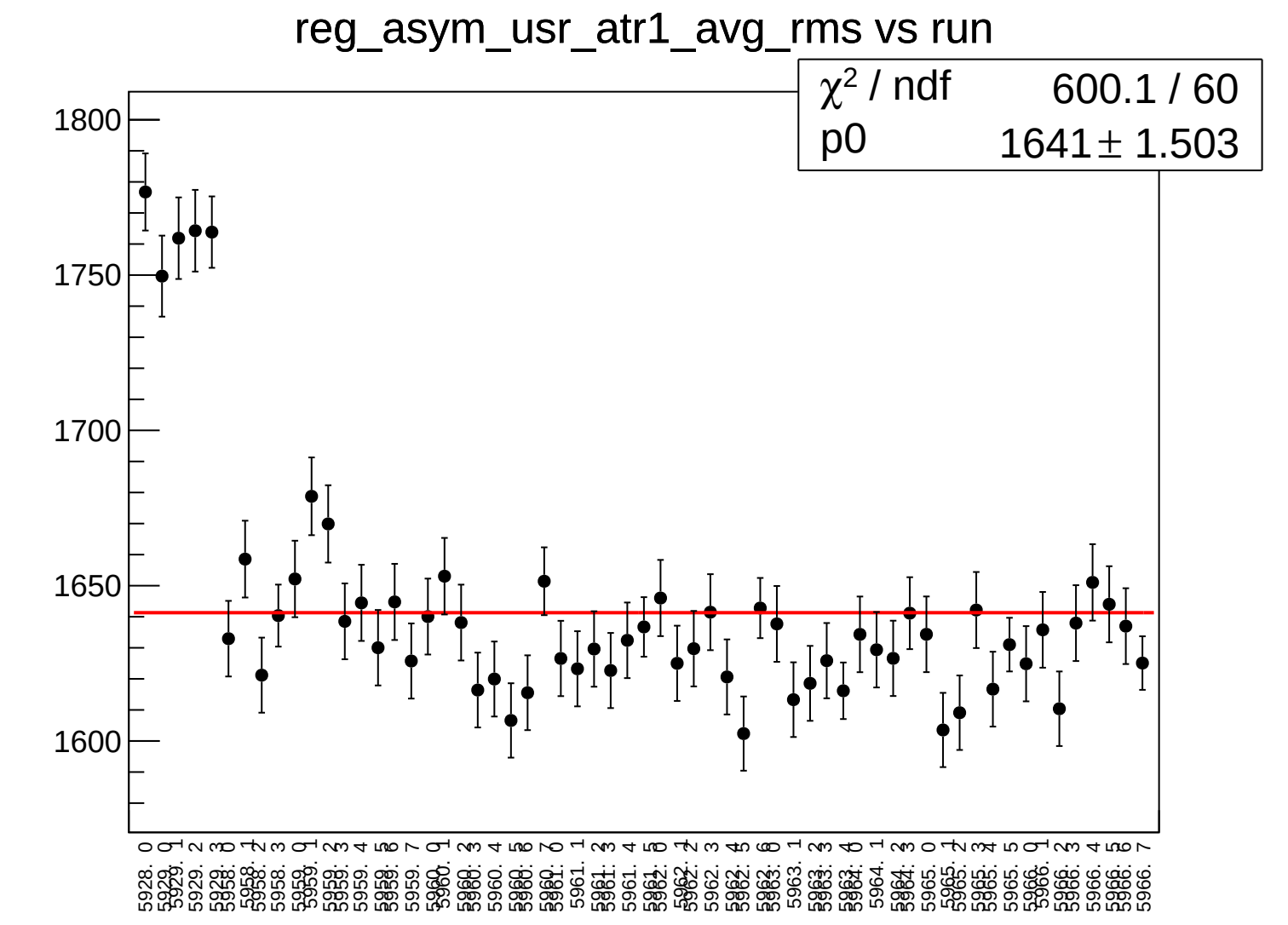

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.666e+04 / 60
p0 93.49 ± 0.08621
130
120
110
100
90
80
70

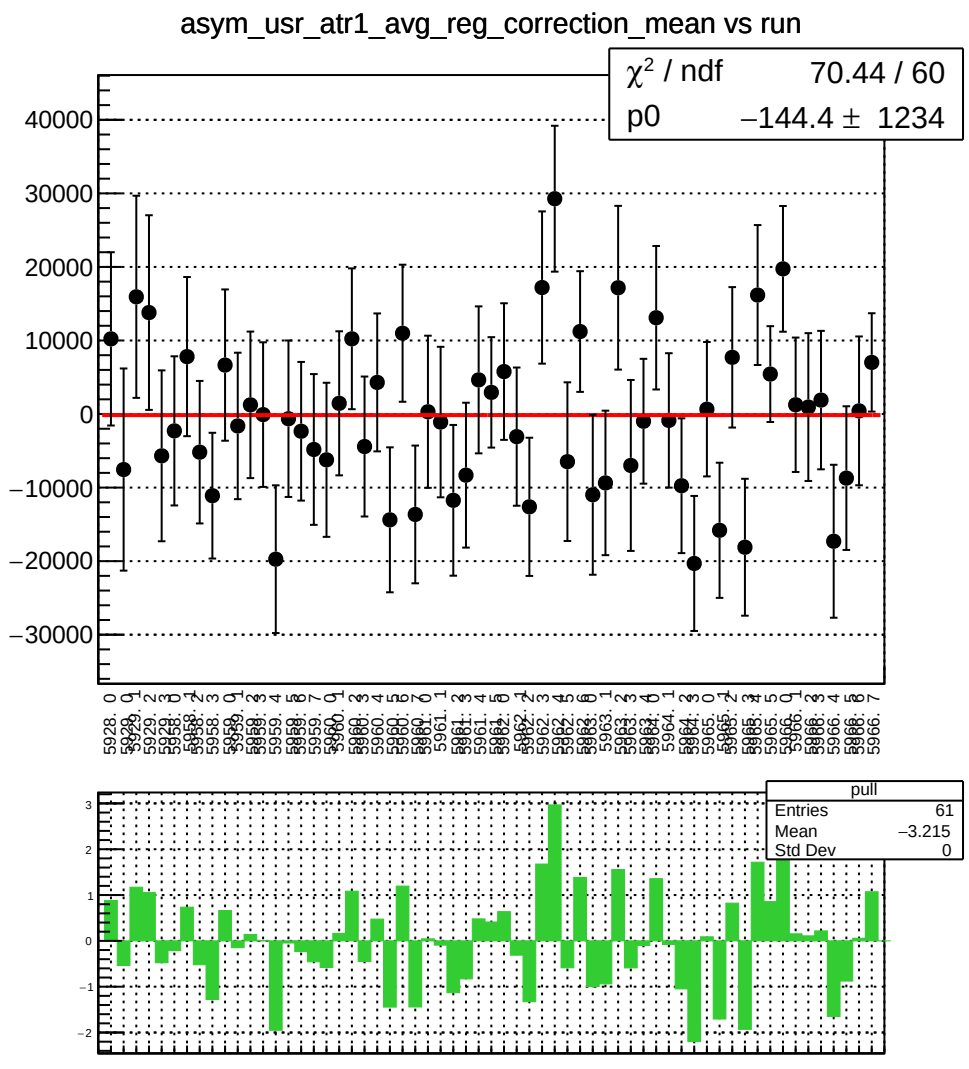

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 79.33 / 60
p0 4.512e−13 ± 1.777e−13
pull
Entries 61
Mean 0.1299
Std Dev 0
pull1D
Entries 61
Mean −0.1635
Std Dev 1.129

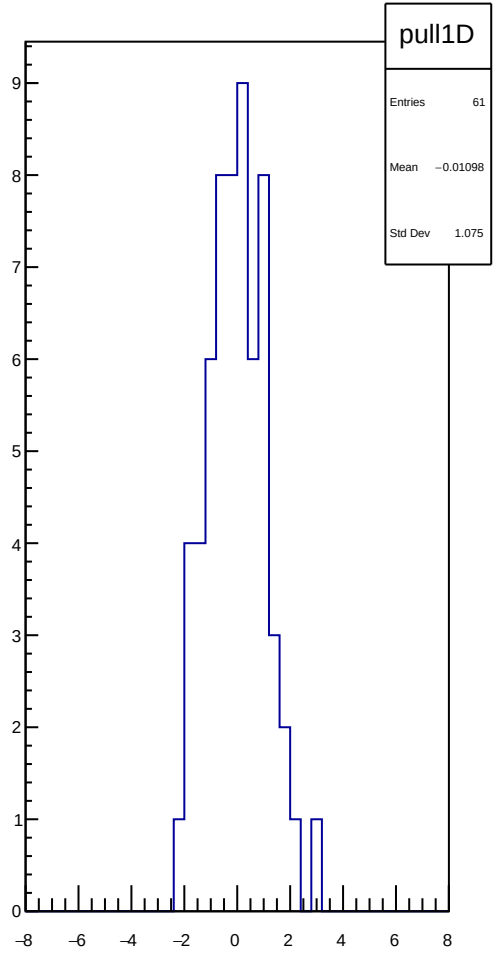

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.343e+05 / 60
p0 1.094e−10 ± 1.257e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

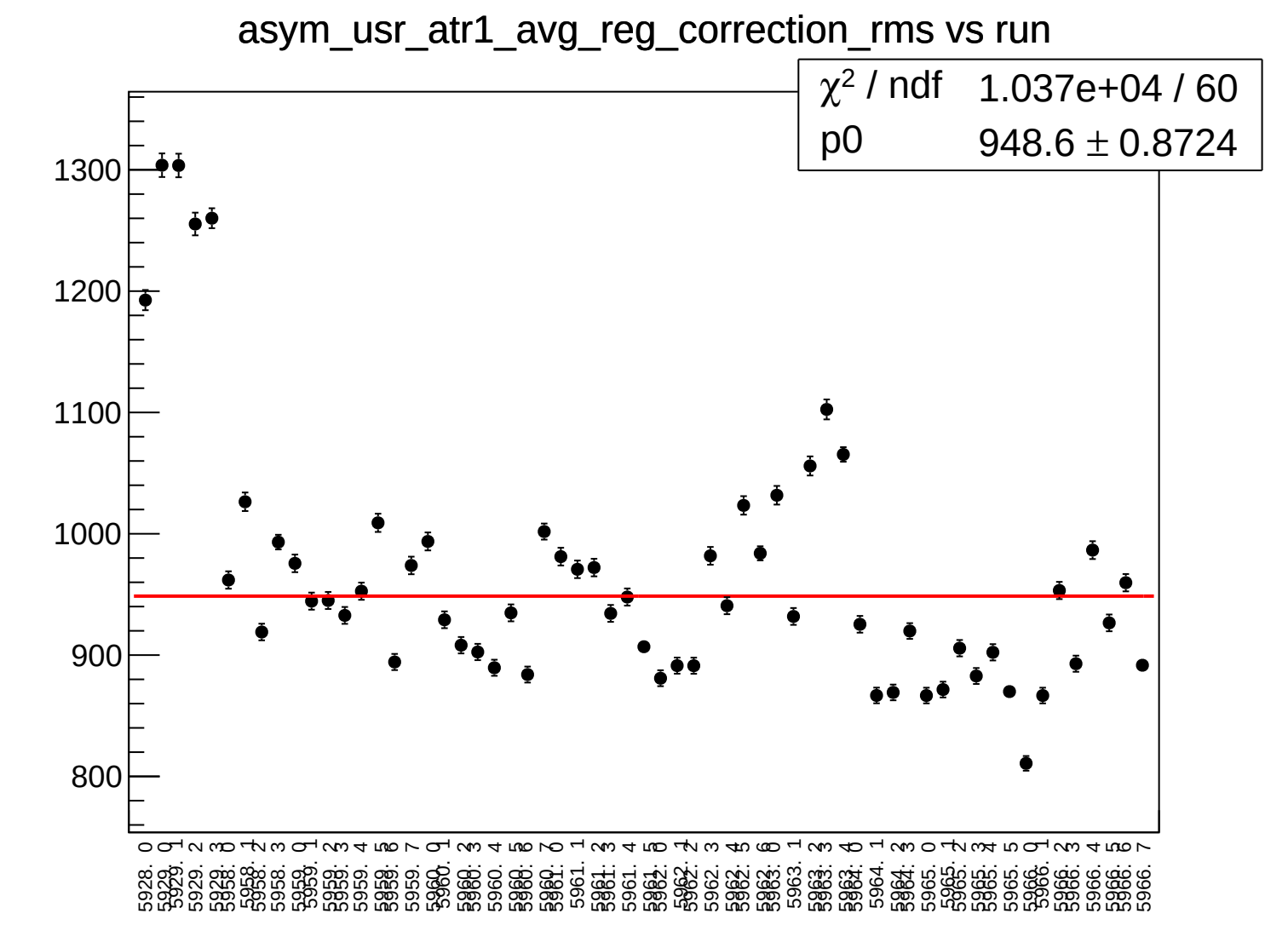

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.23 / 60
p0 −4560 ± 2126
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −105.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

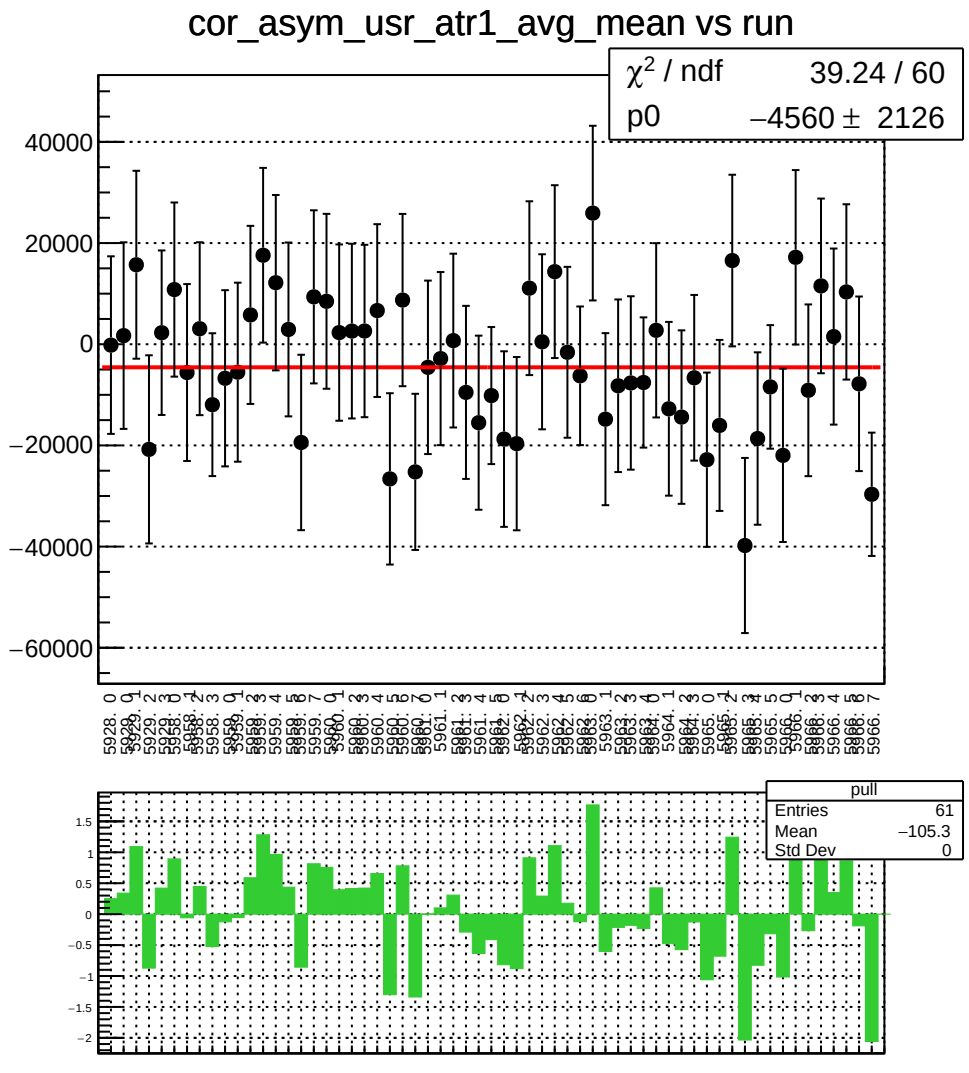

pull1D
Entries 61
Mean 0.02508
Std Dev 0.8016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

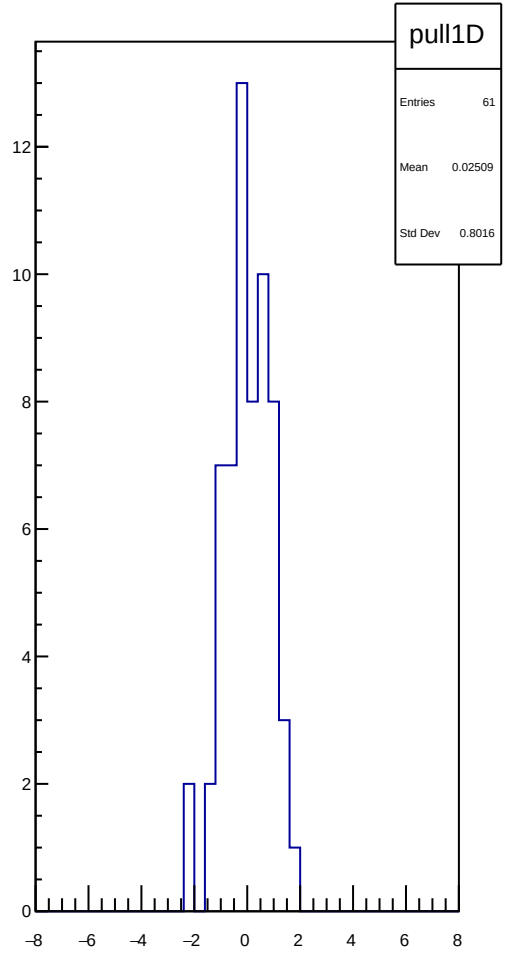

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 600.1 / 60
p0 1641 ± 1.503
1800
1750
1700
1650
1600

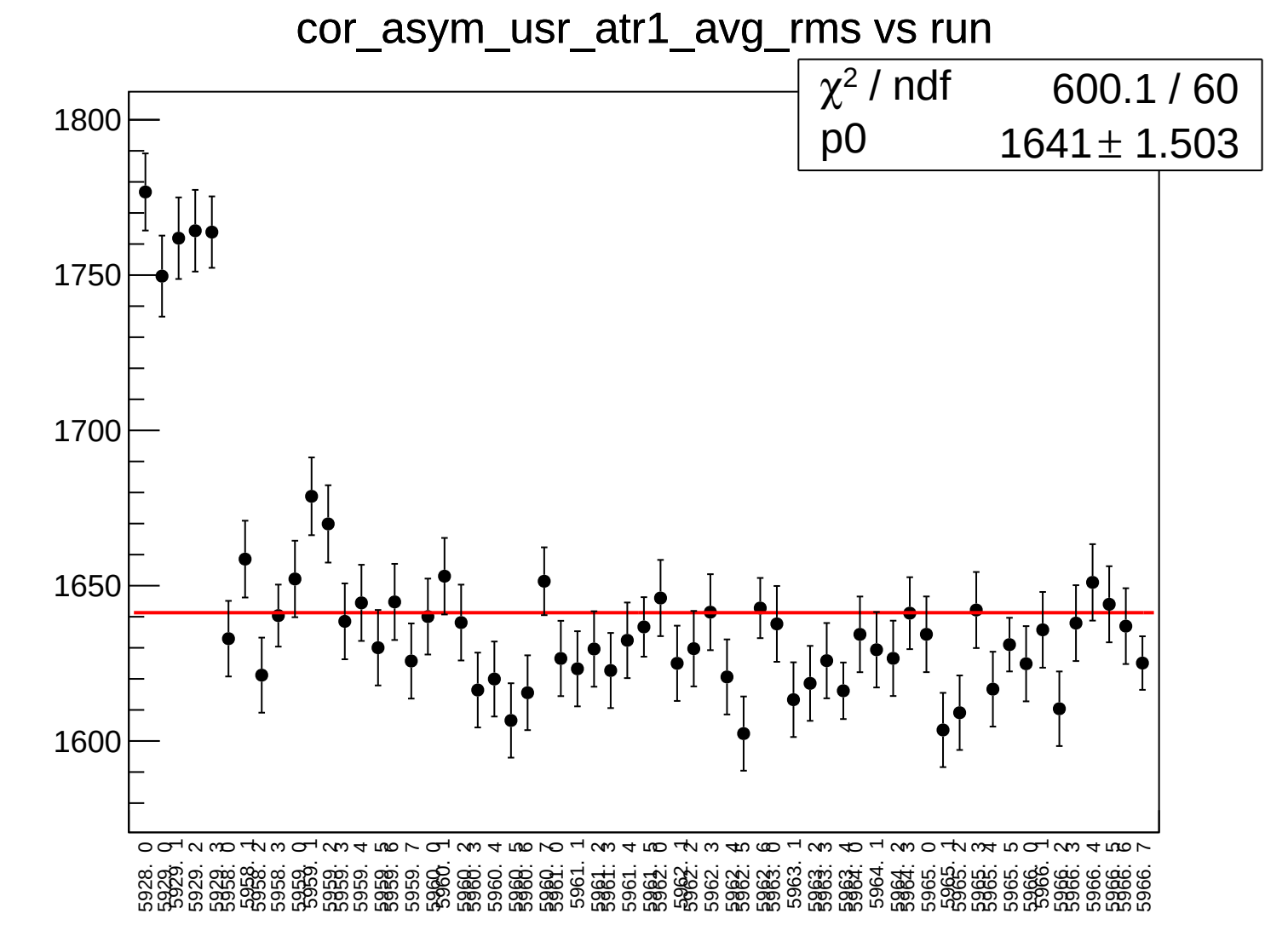

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 70.44 / 60
p0 −144.4 ± 1234
pull
Entries 61
Mean −3.215
Std Dev 0

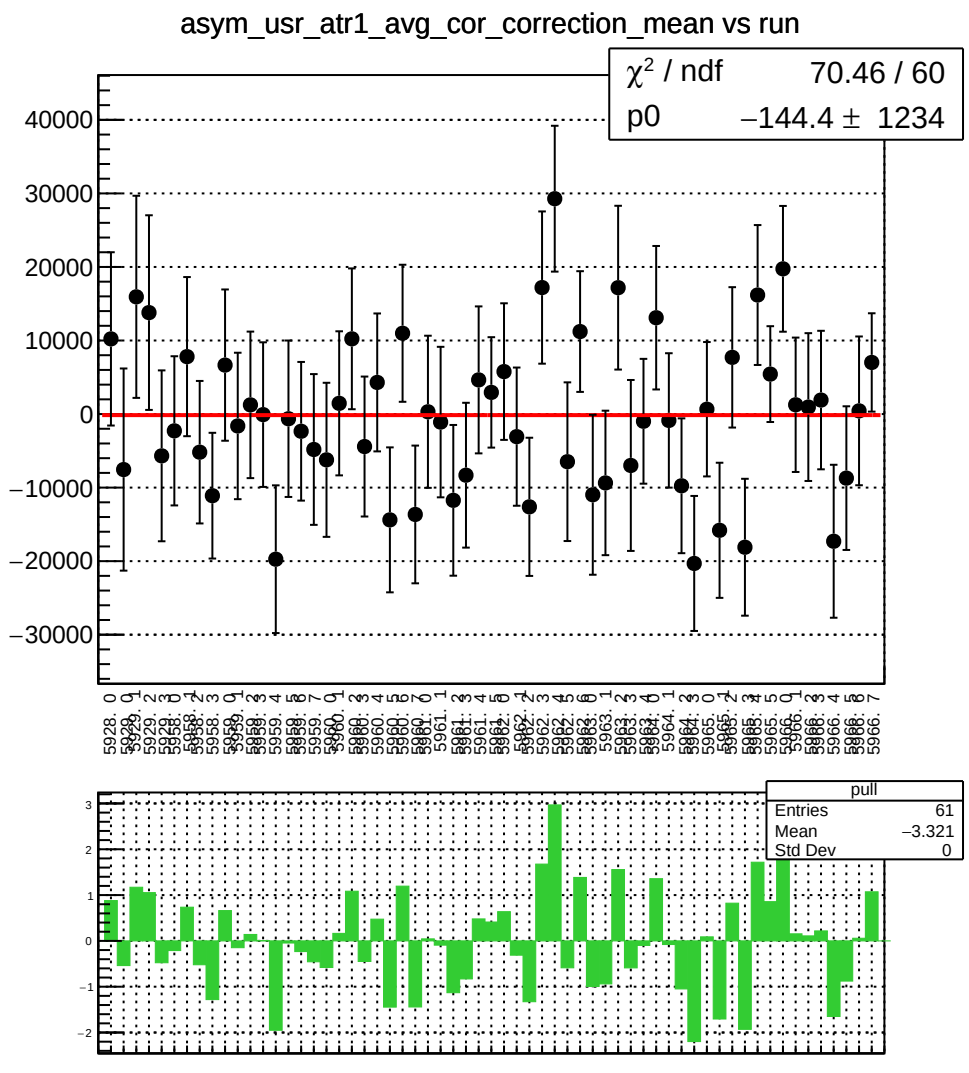

pull1D
Entries 61
Mean −0.01098
Std Dev 1.075

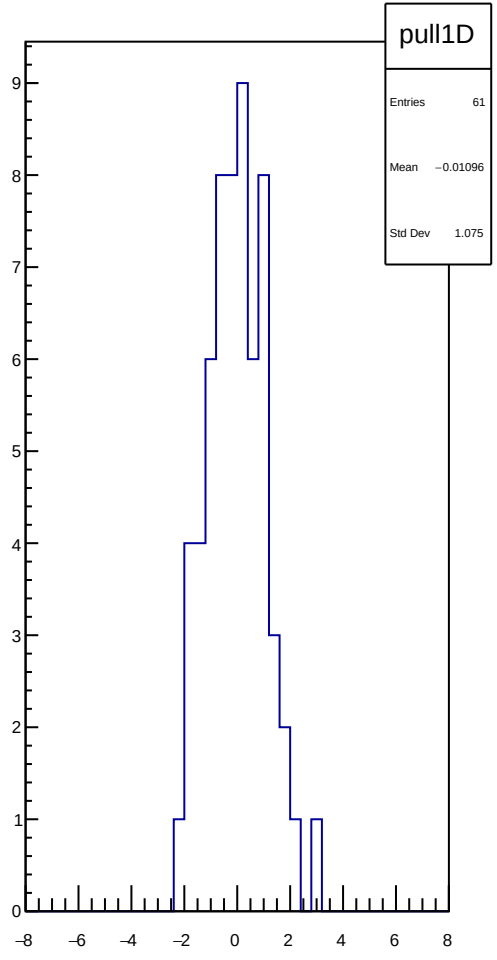

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 1.037e+04 / 60
p0 948.6 ± 0.8724
1300
1200
1100
1000
900
800

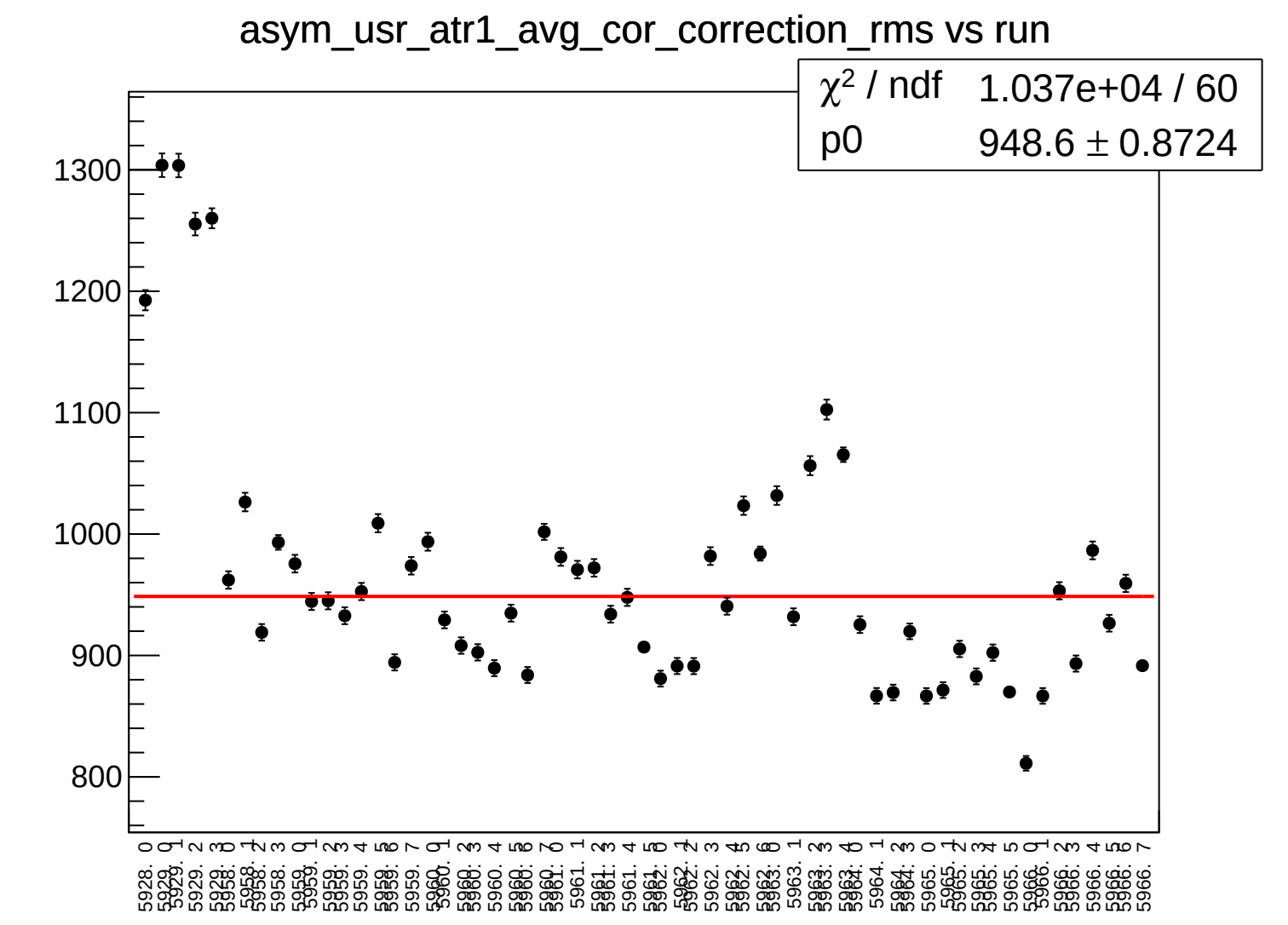

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.24 / 60
p0 −4560 ± 2126
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −105.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

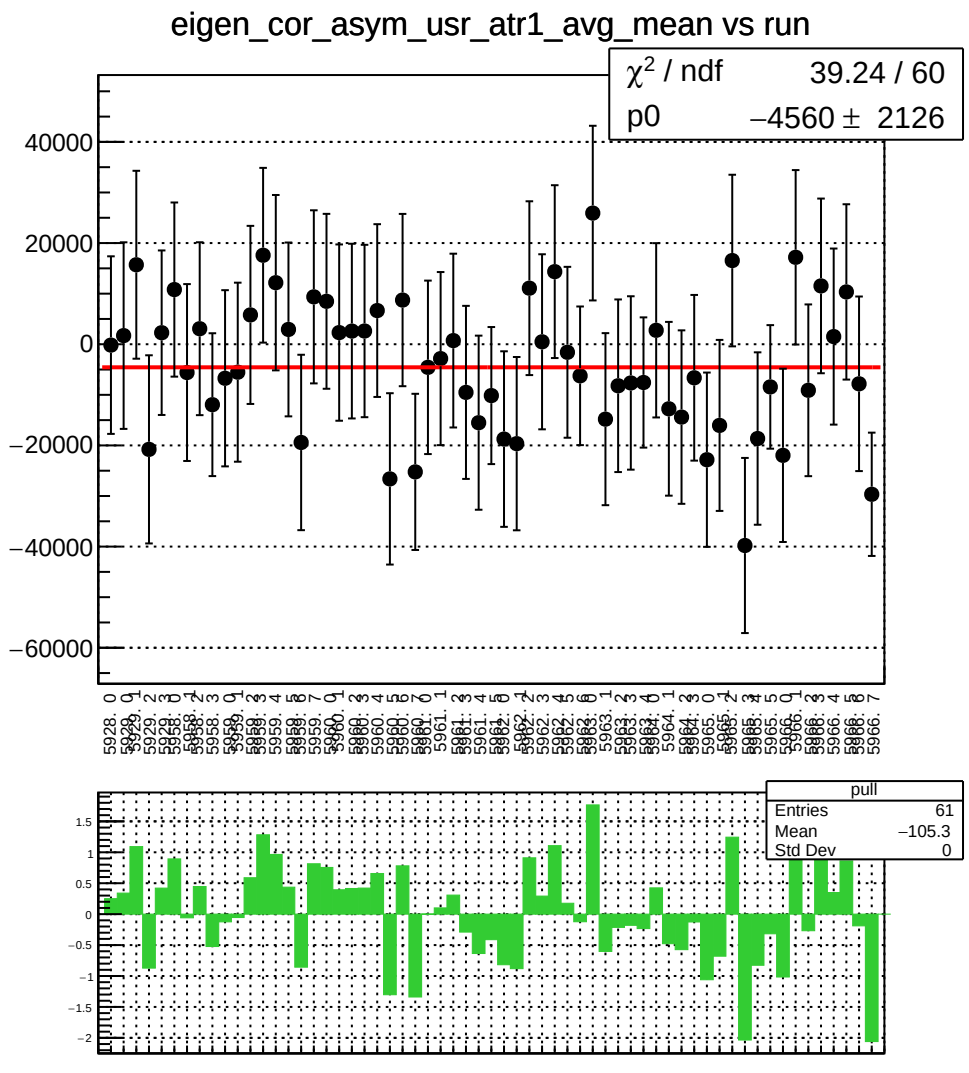

pull1D
Entries 61
Mean 0.02509
Std Dev 0.8016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

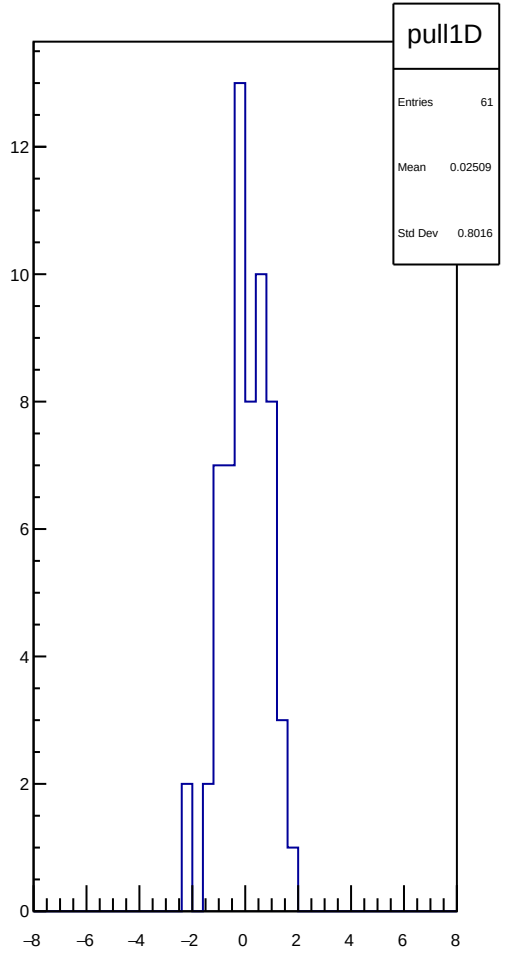

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 600.1 / 60
p0 1641 ± 1.503
1800
1750
1700
1650
1600

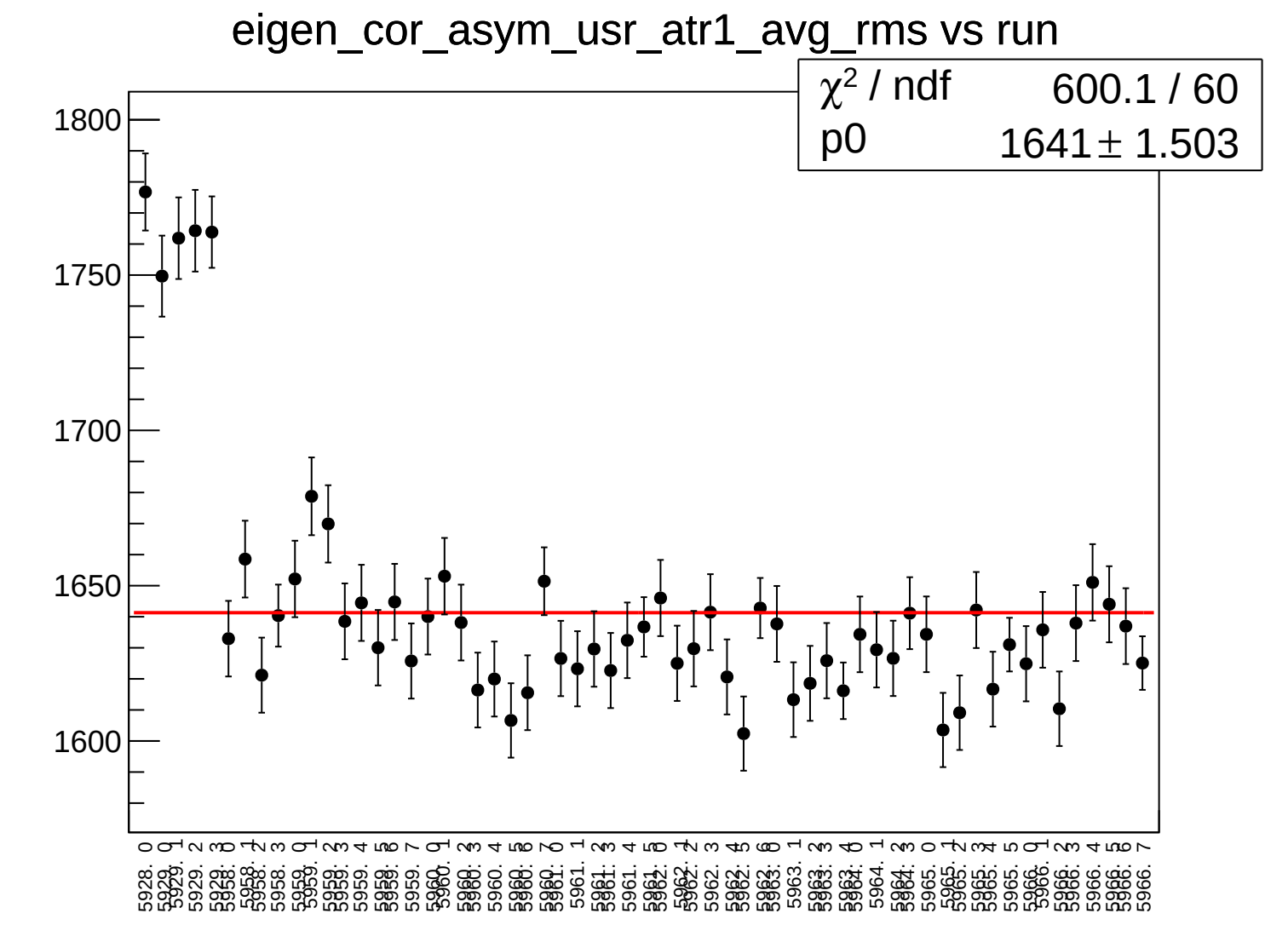

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 70.46 / 60
p0 −144.4 ± 1234
pull
Entries 61
Mean −3.321
Std Dev 0

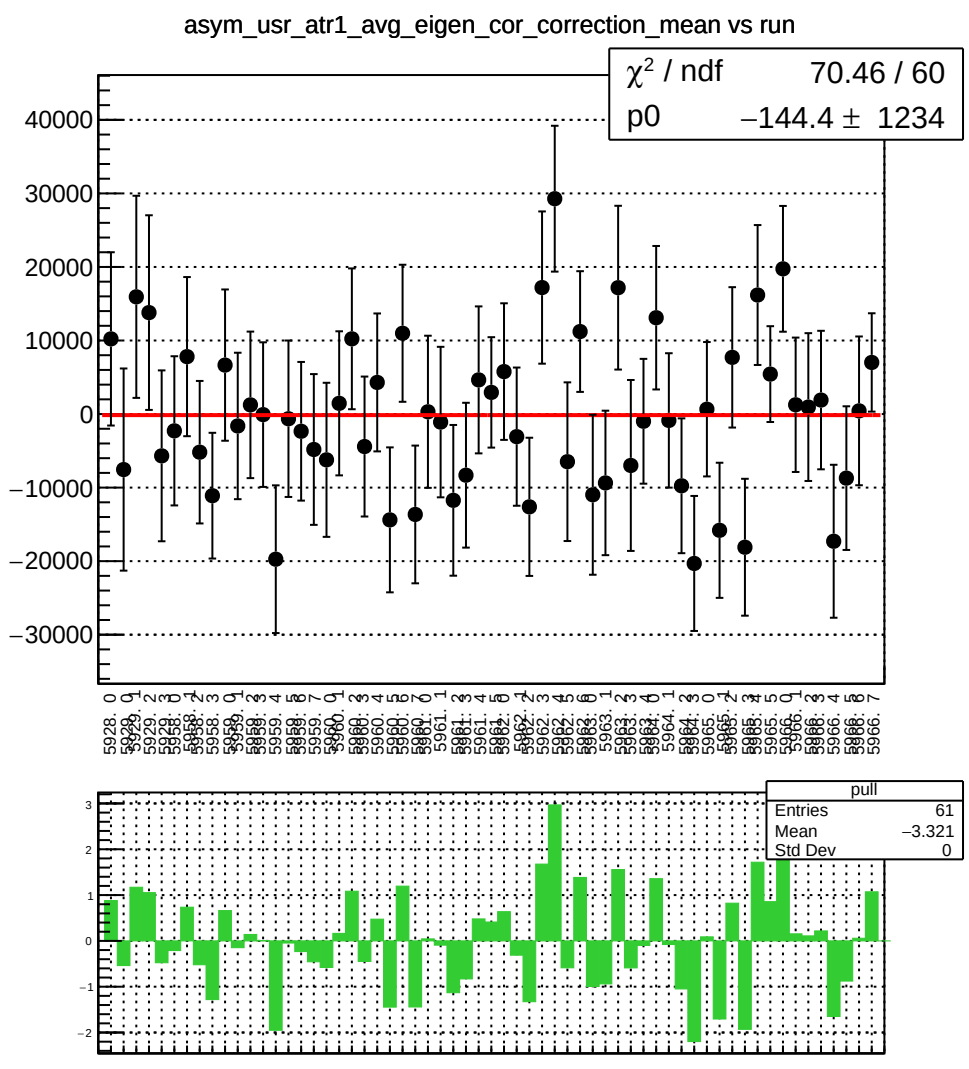

pull1D
Entries 61
Mean −0.01096
Std Dev 1.075

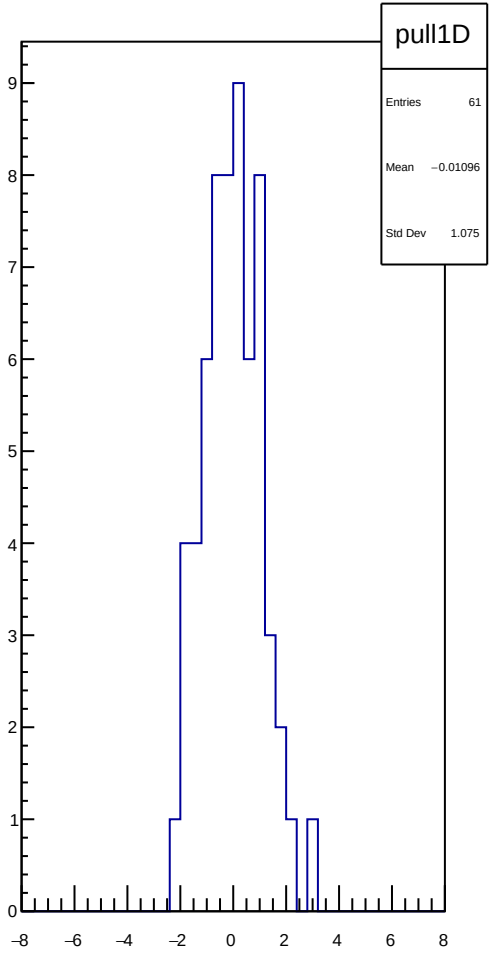

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 1.037e+04 / 60
p0 948.6 ± 0.8724
1300
1200
1100
1000
900
800

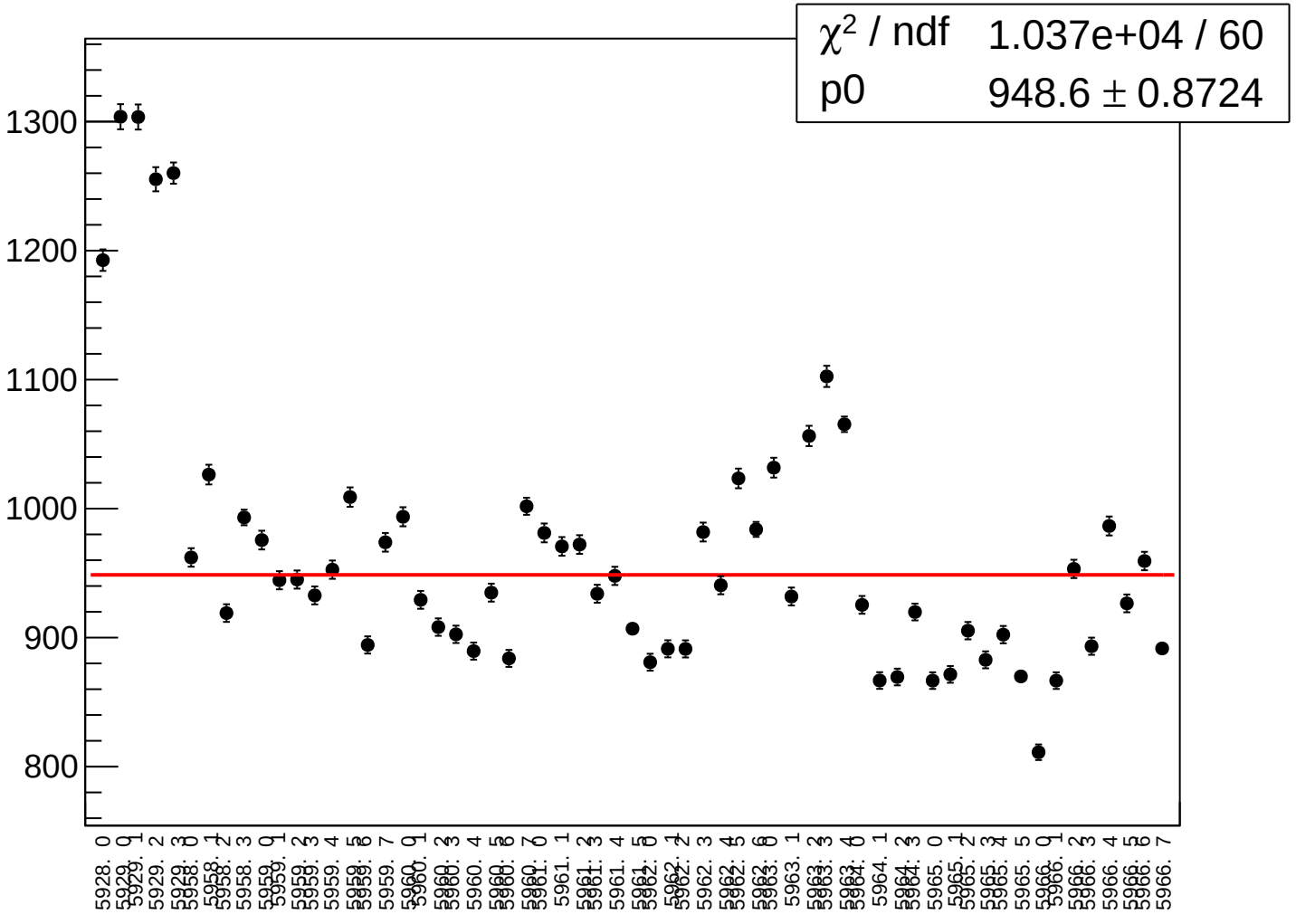

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.24 / 60
p0 −4560 ± 2126
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −105.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

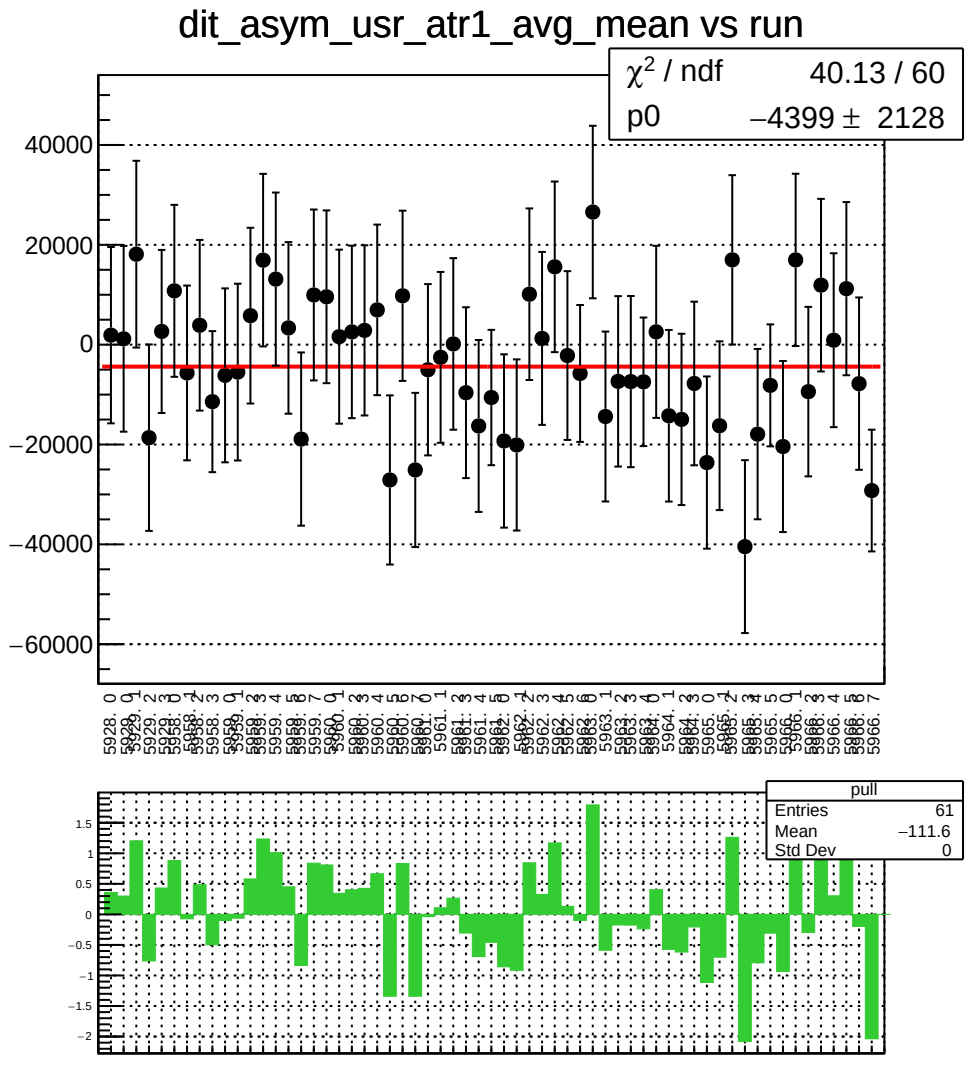

pull1D
Entries 61
Mean 0.02509
Std Dev 0.8016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

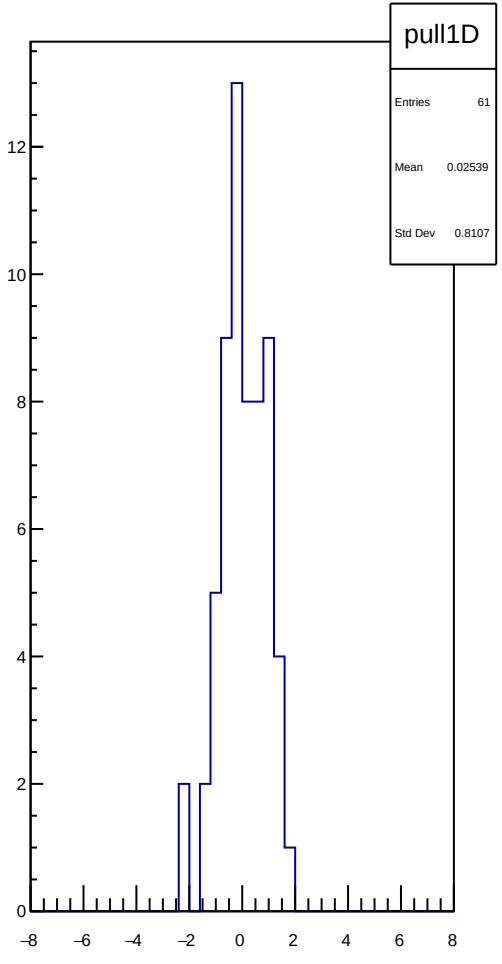

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 600.1 / 60
p0 1641 ± 1.503
1800
1750
1700
1650
1600

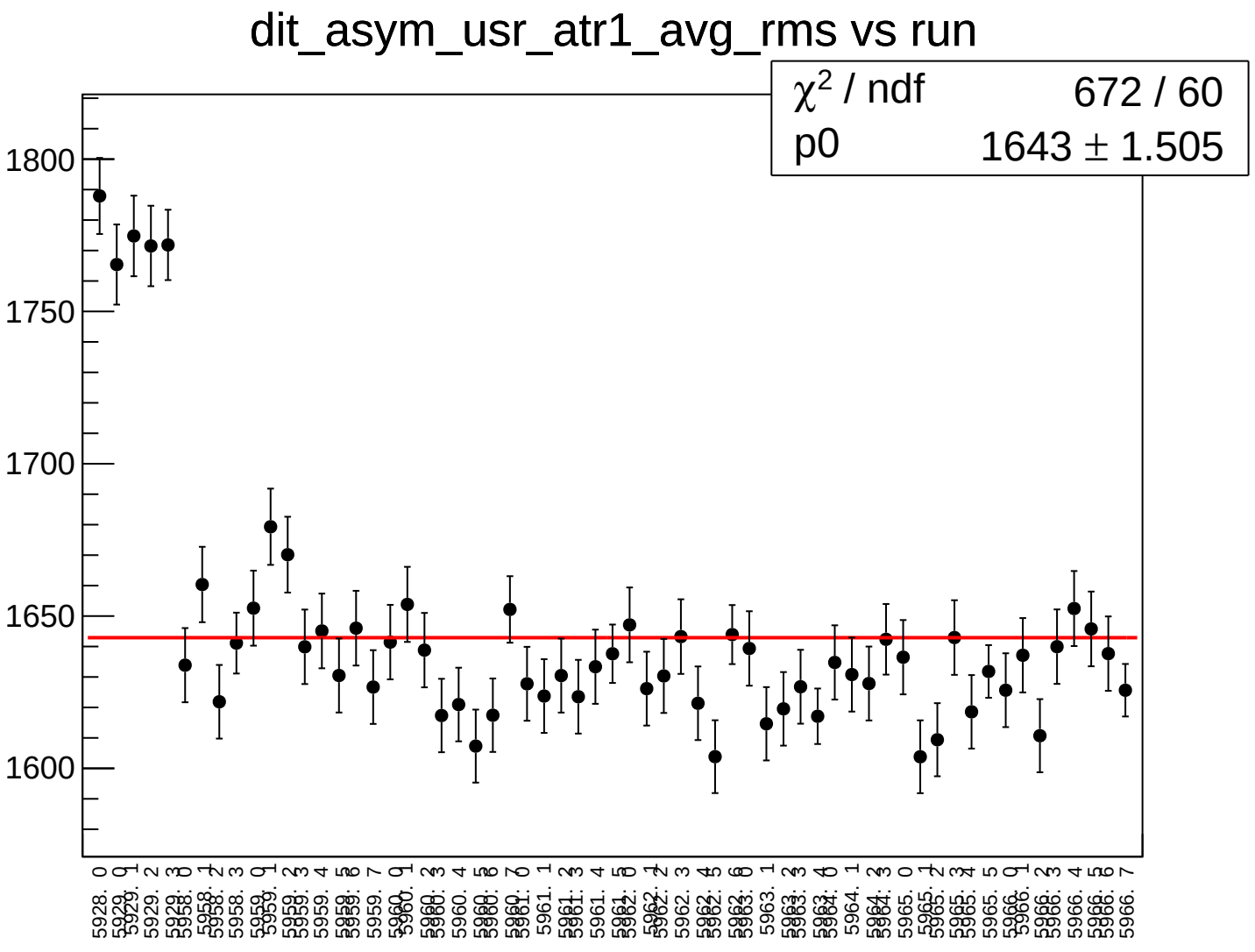

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.46 / 60
p0 −144.4 ± 1234
pull
Entries 61
Mean −3.321
Std Dev 0

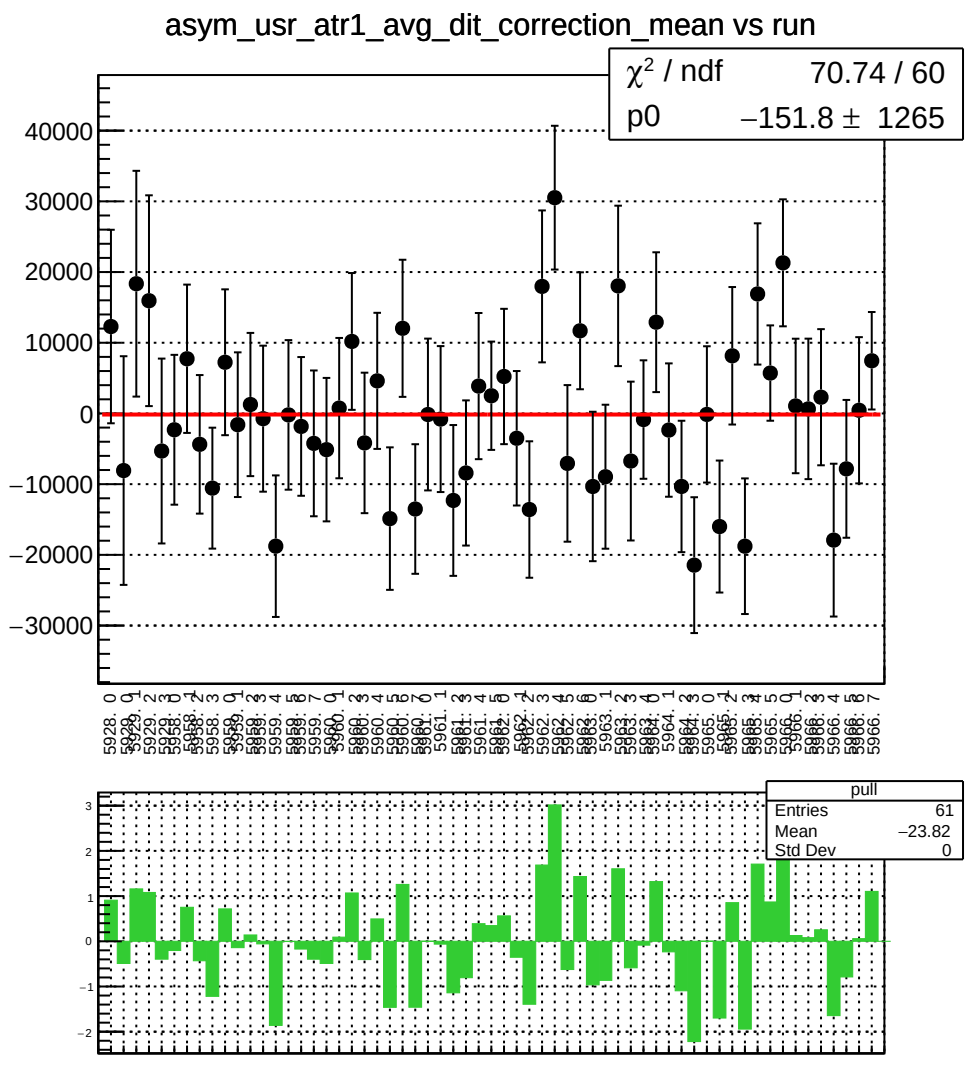

pull1D
Entries 61
Mean −0.01096
Std Dev 1.075

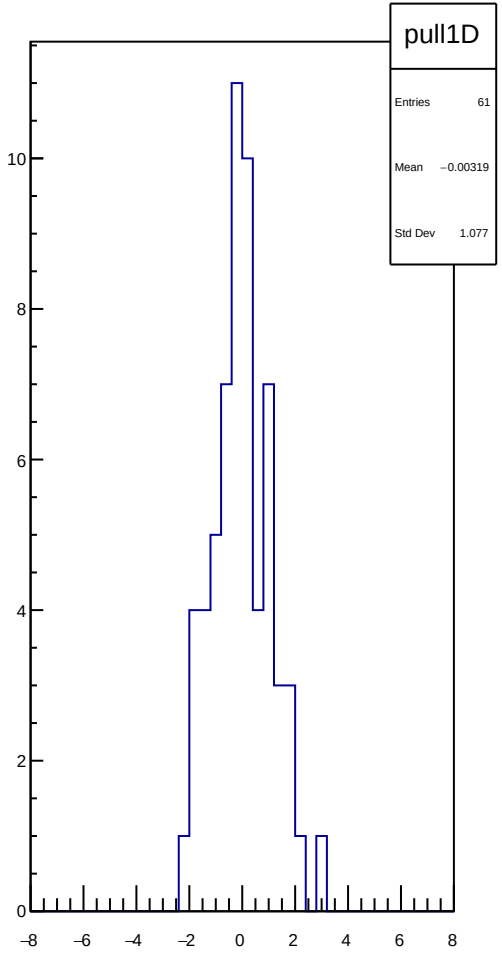

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.037e+04 / 60
p0 948.6 ± 0.8724
1300
1200
1100
1000
900
800

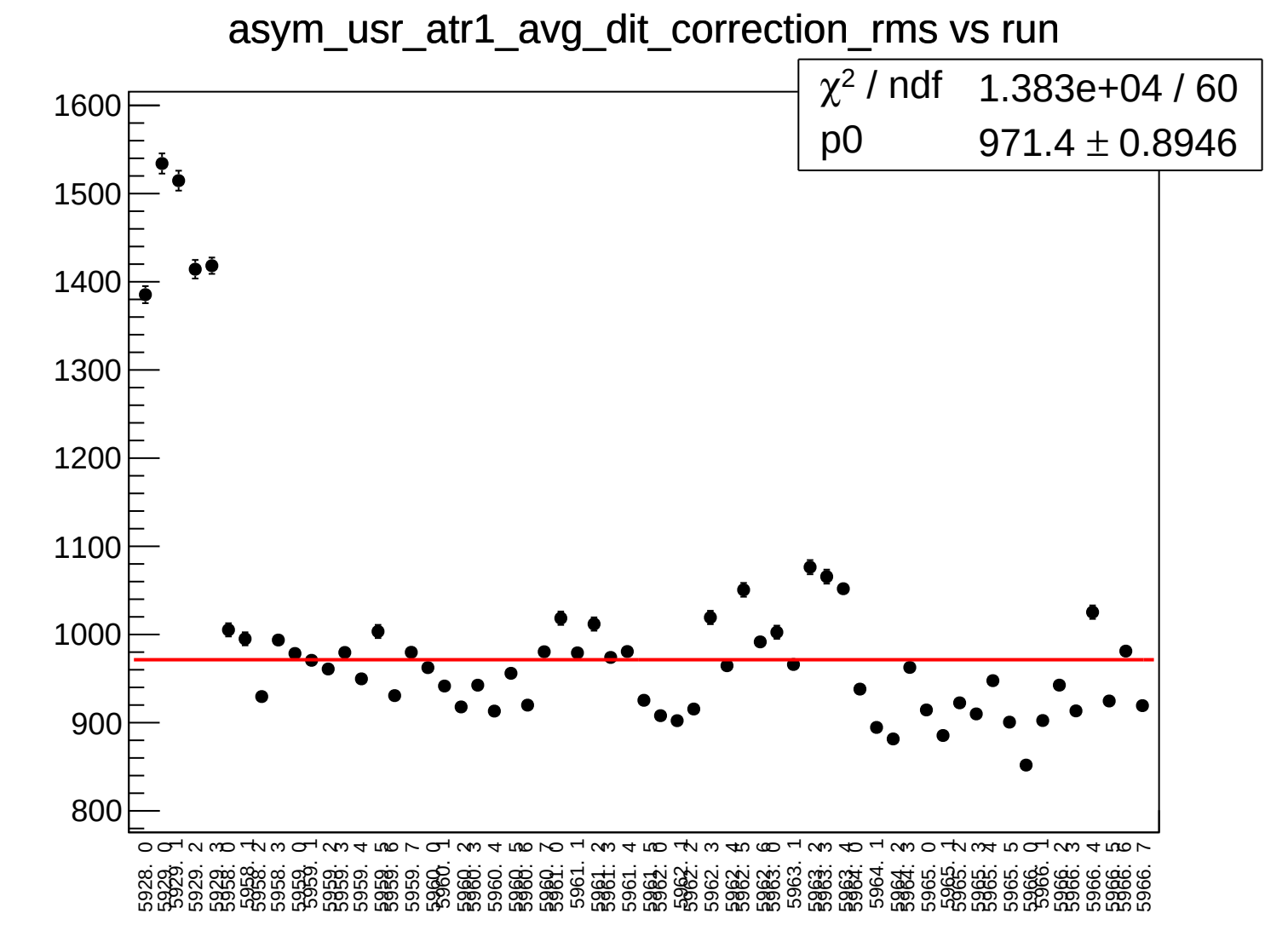

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 40.13 / 60
p0 −4399 ± 2128
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −111.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

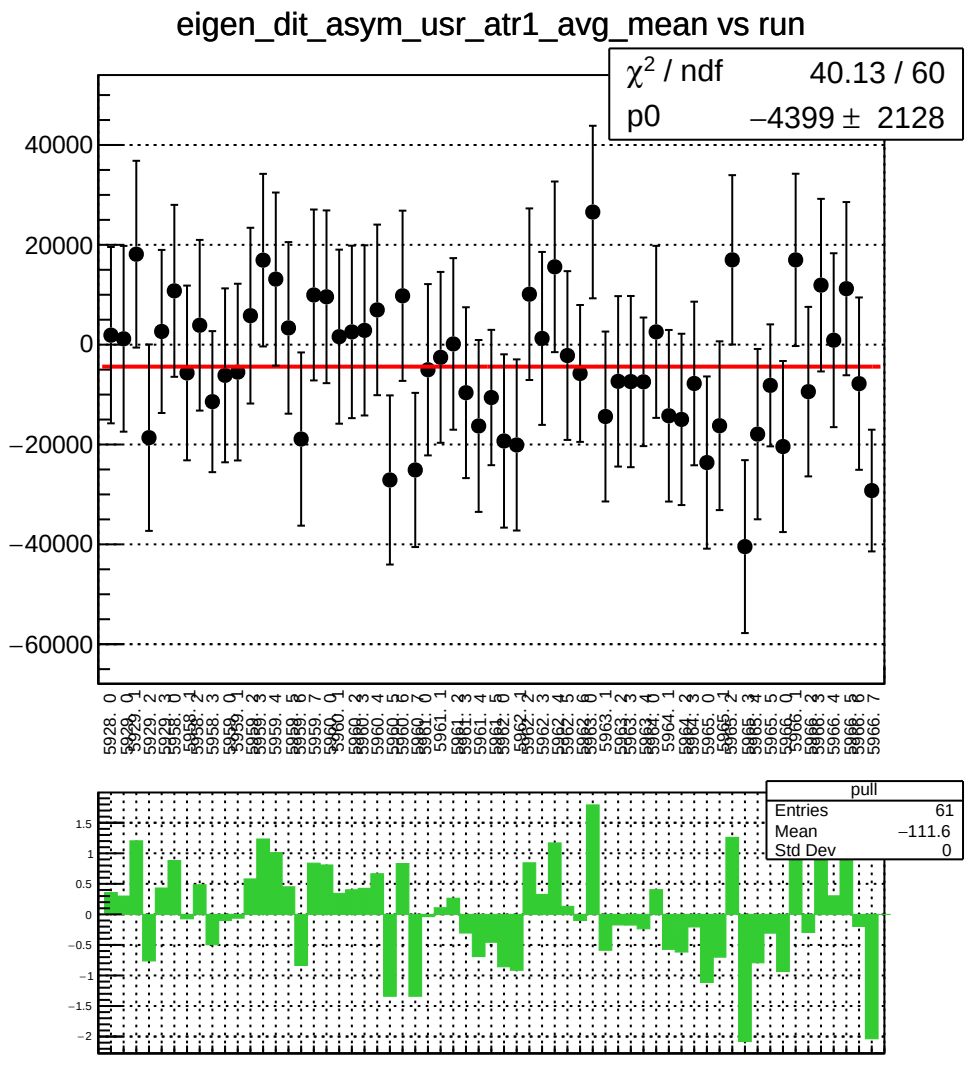

pull1D
Entries 61
Mean 0.02539
Std Dev 0.8107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

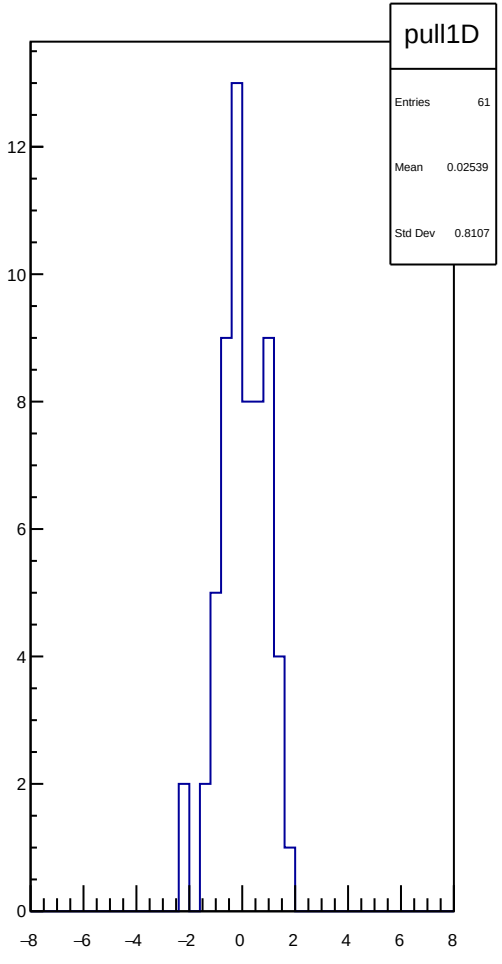

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 672 / 60
p0 1643 ± 1.505
1800
1750
1700
1650
1600

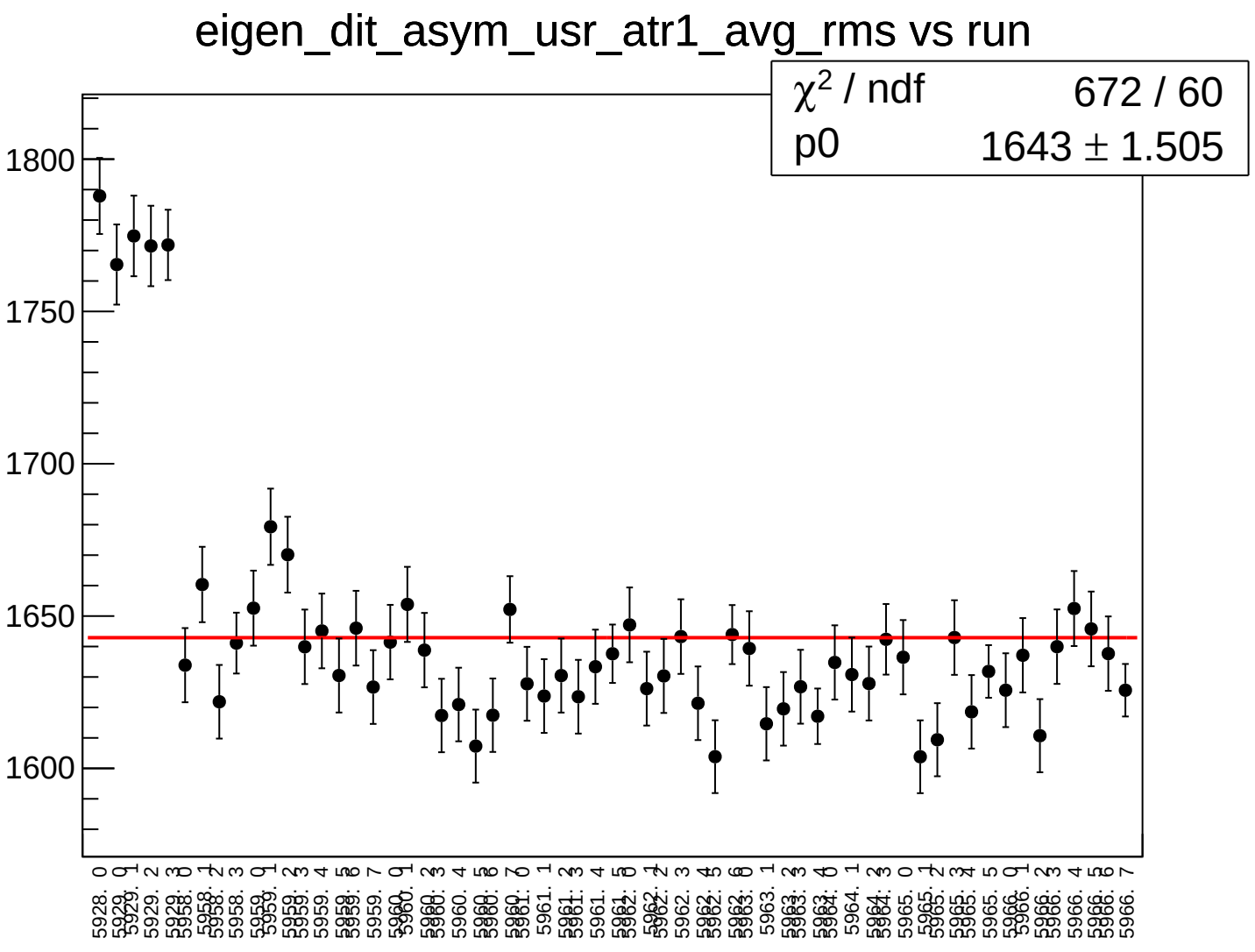

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 70.74 / 60
p0 −151.8 ± 1265
pull
Entries 61
Mean −23.82
Std Dev 0

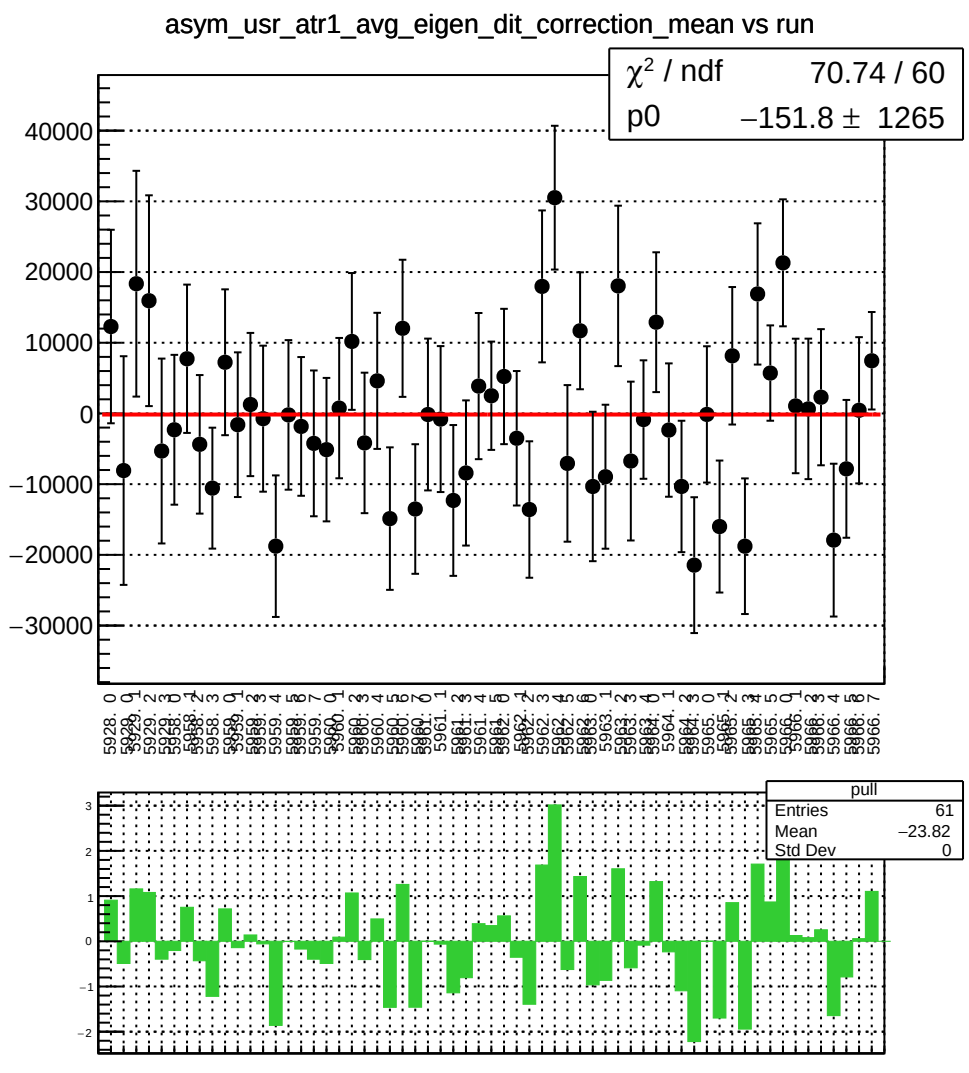

pull1D
Entries 61
Mean −0.00319
Std Dev 1.077

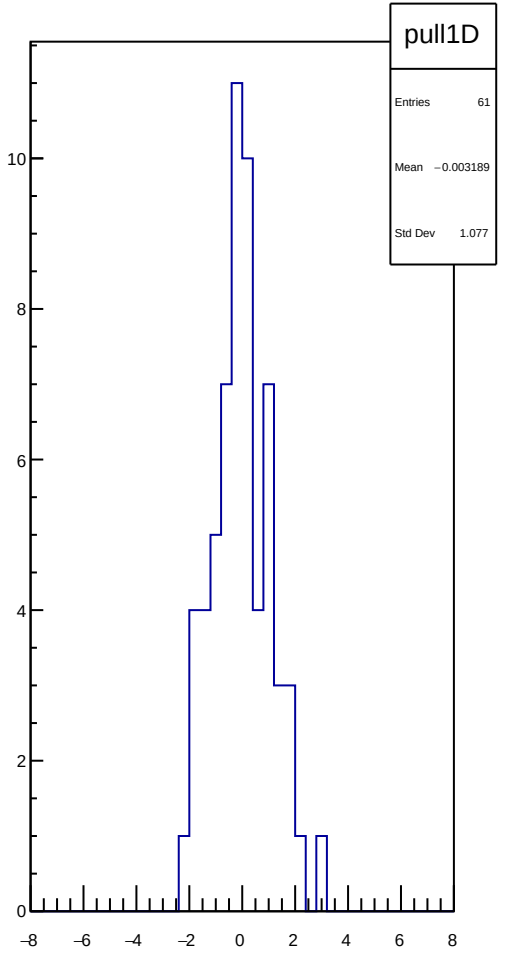

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1.383e+04 / 60
p0 971.4 ± 0.8946
1600
1500
1400
1300
1200
1100
1000
900
800

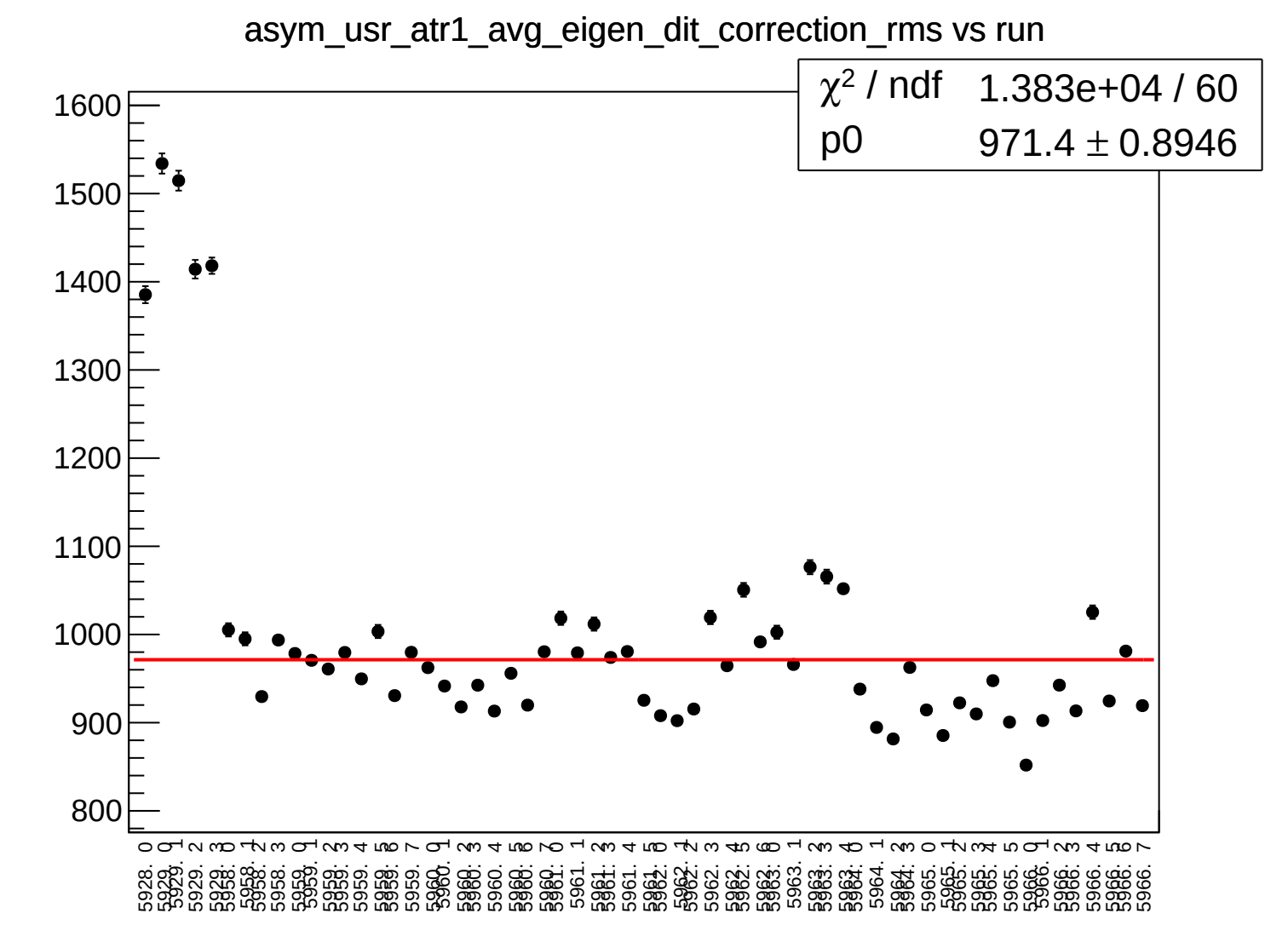

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 40.13 / 60
p0 −4399 ± 2128
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −111.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

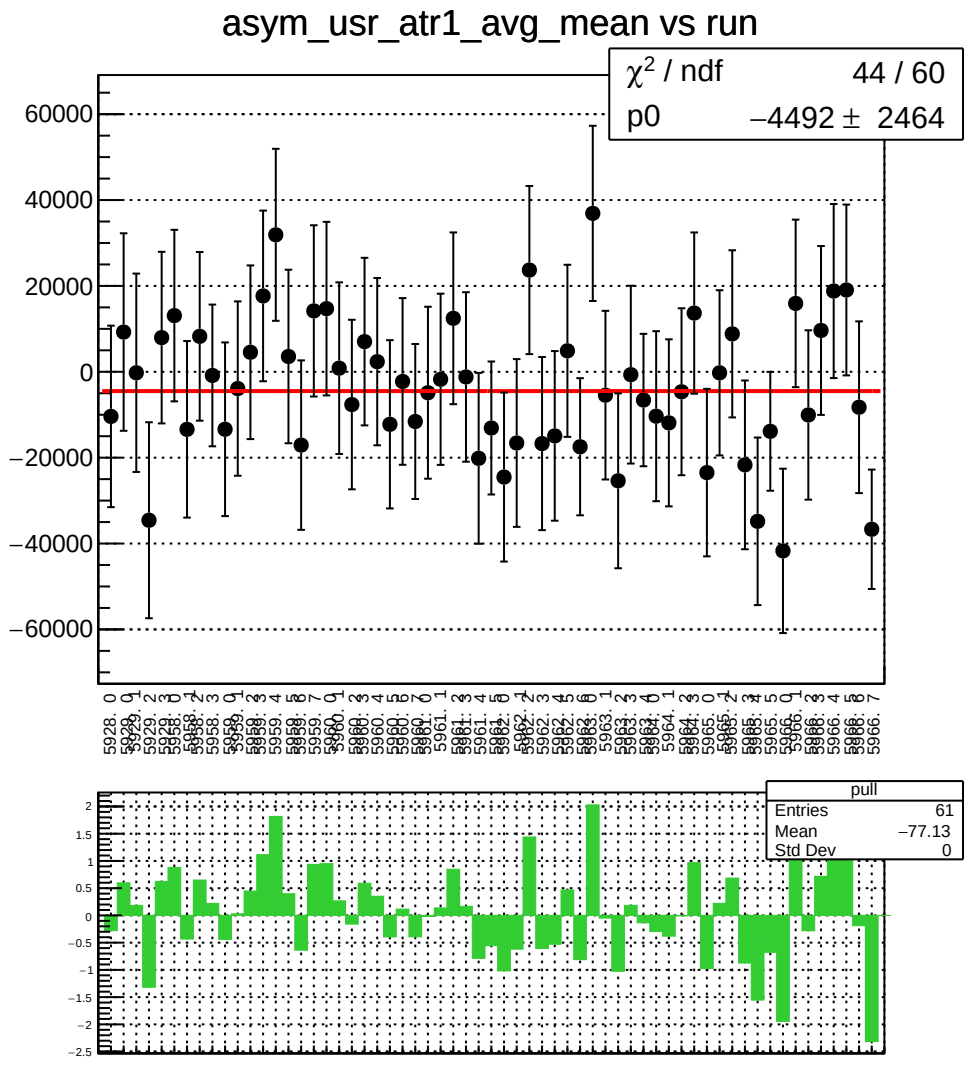

pull1D
Entries 61
Mean 0.02539
Std Dev 0.8107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

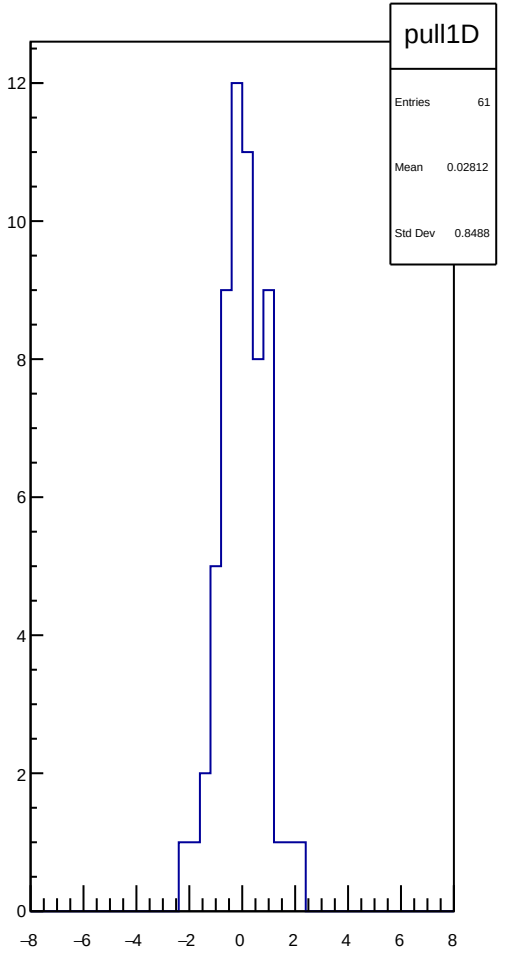

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 672 / 60
p0 1643 ± 1.505
1800
1750
1700
1650
1600

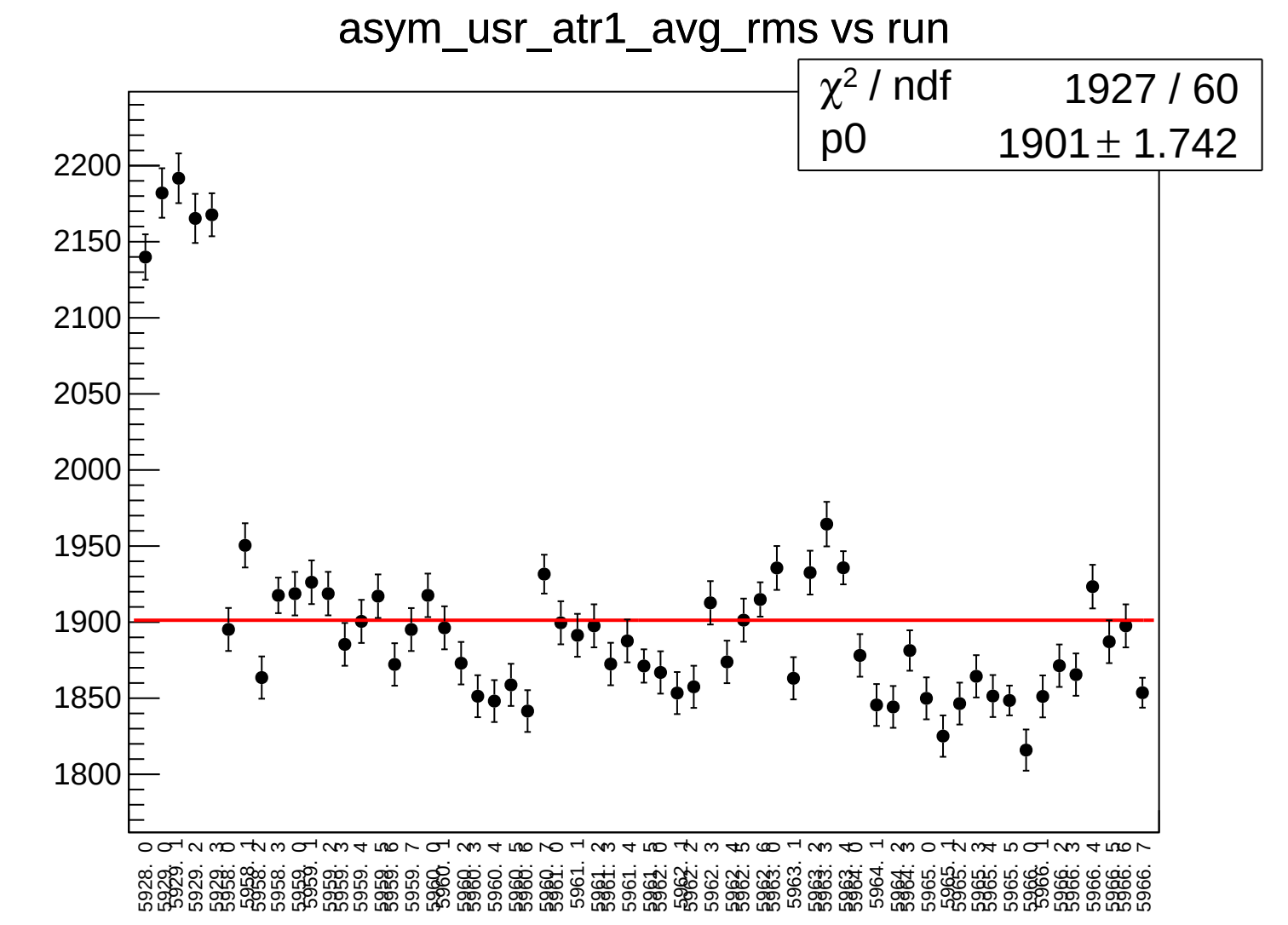

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.74 / 60
p0 −151.8 ± 1265
pull
Entries 61
Mean −23.82
Std Dev 0

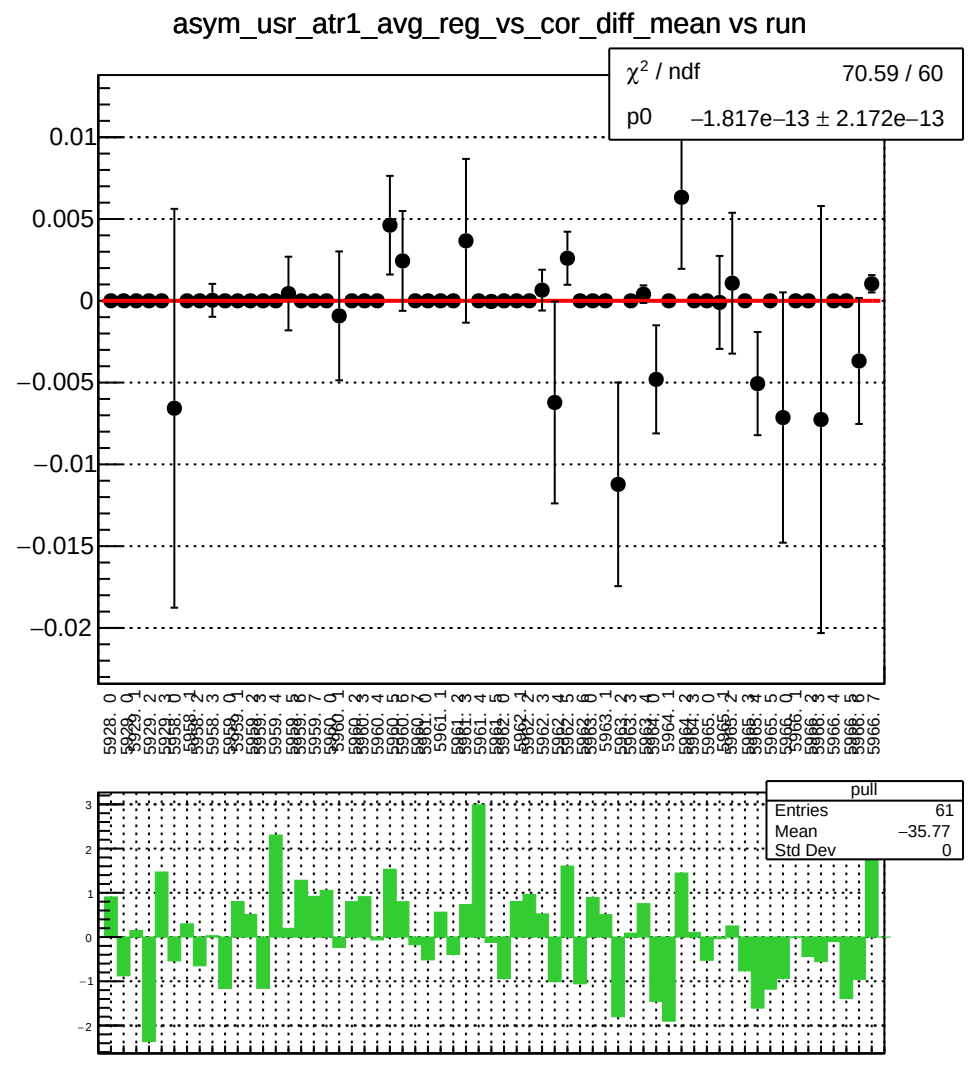

pull1D
Entries 61
Mean −0.003189
Std Dev 1.077

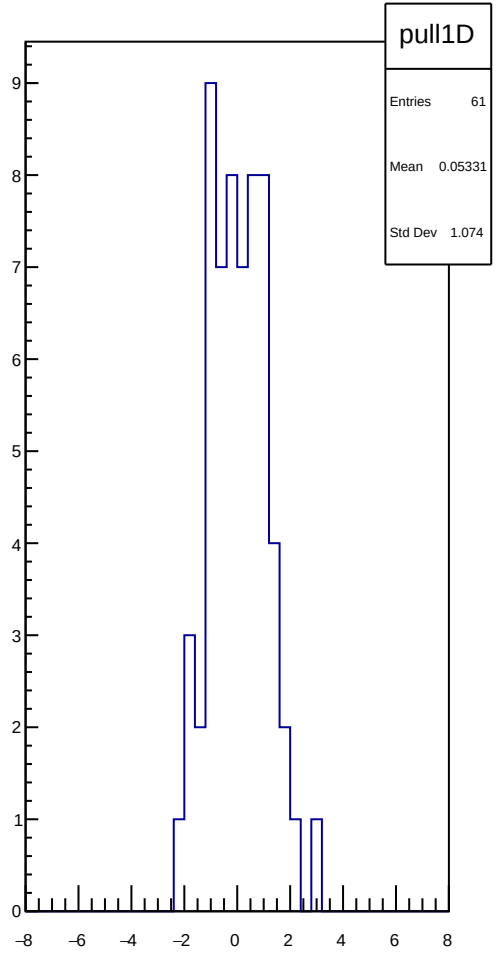

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.383e+04 / 60
p0 971.4 ± 0.8946
1600
1500
1400
1300
1200
1100
1000
900
800

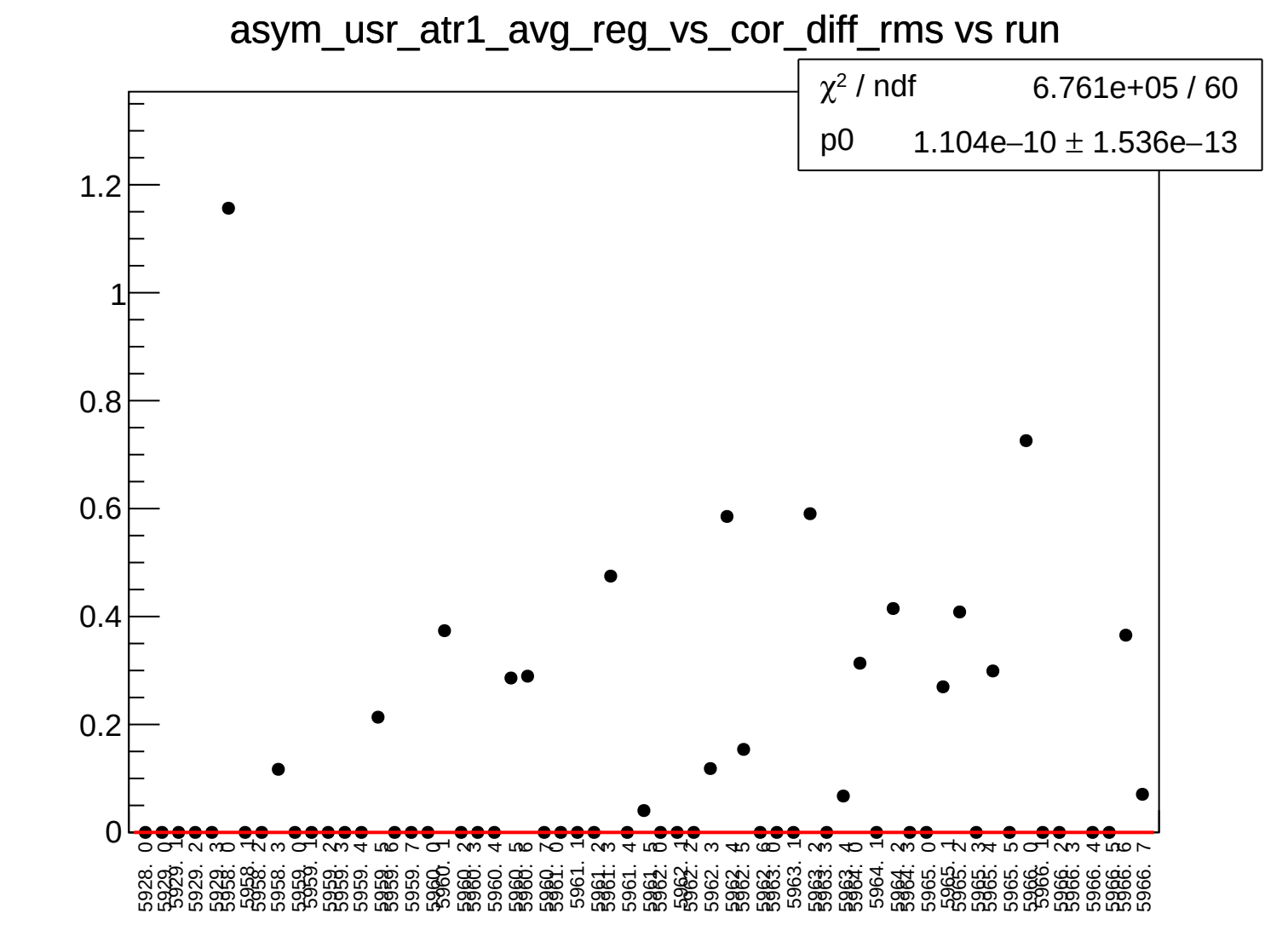

asym_usr_atr1_avg_mean vs run
χ² / ndf 44 / 60
p0 −4492 ± 2464
pull
Entries 61
Mean −77.13
Std Dev 0

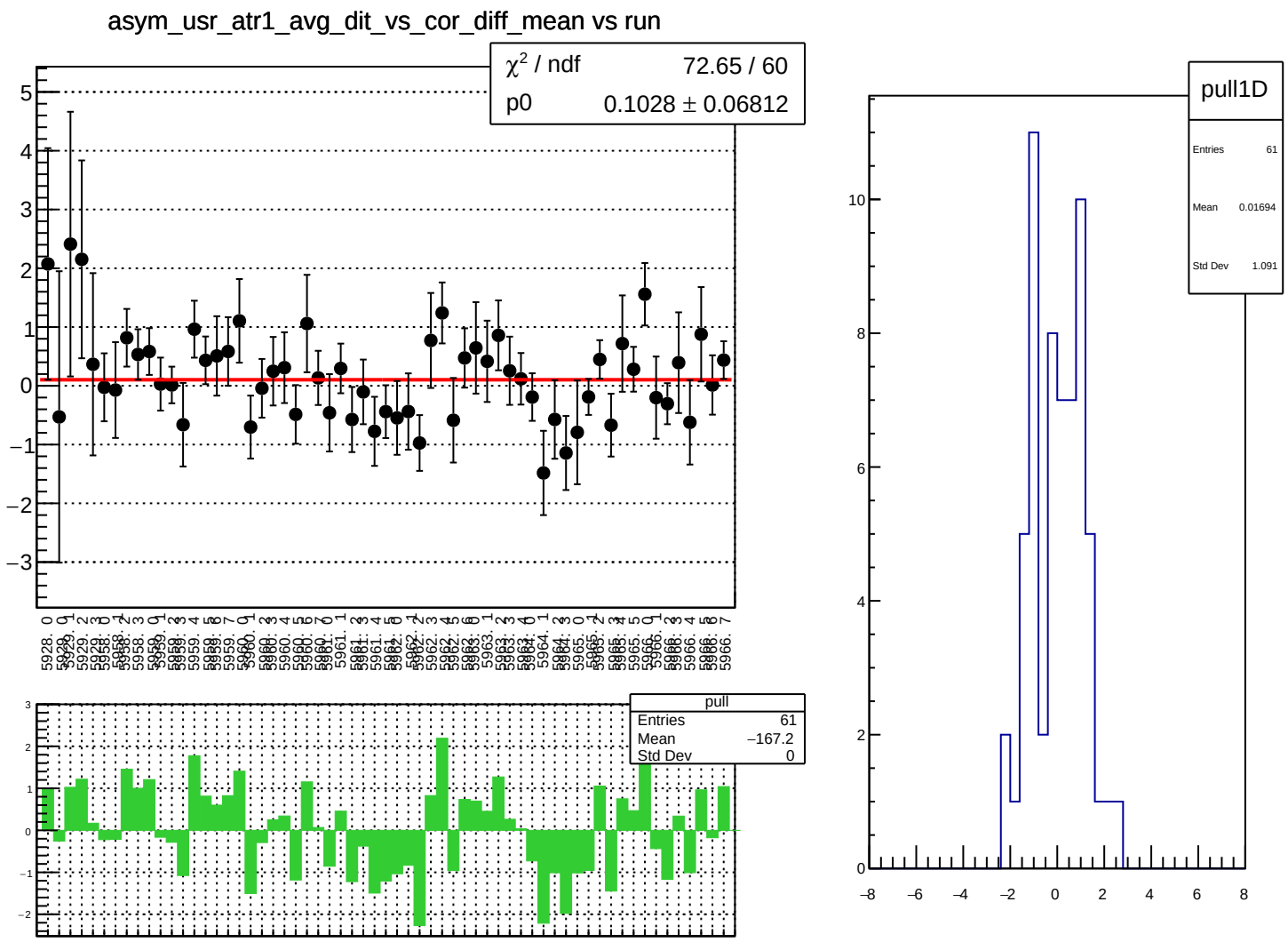

pull1D
Entries 61
Mean 0.02812
Std Dev 0.8488

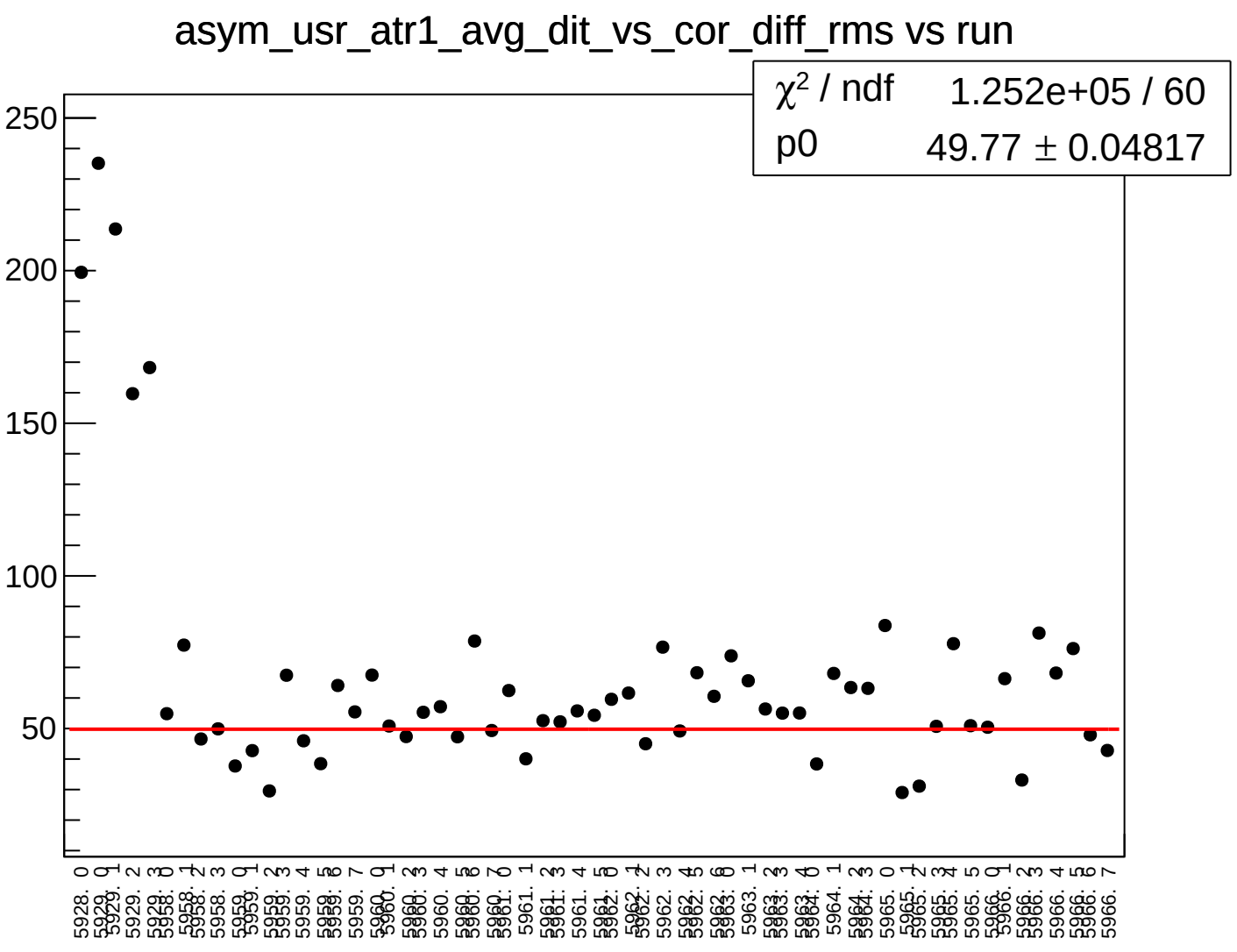

asym_usr_atr1_avg_rms vs run
χ² / ndf 1927 / 60
p0 1901 ± 1.742
2200
2150
2100
2050
2000
1950
1900
1850
1800

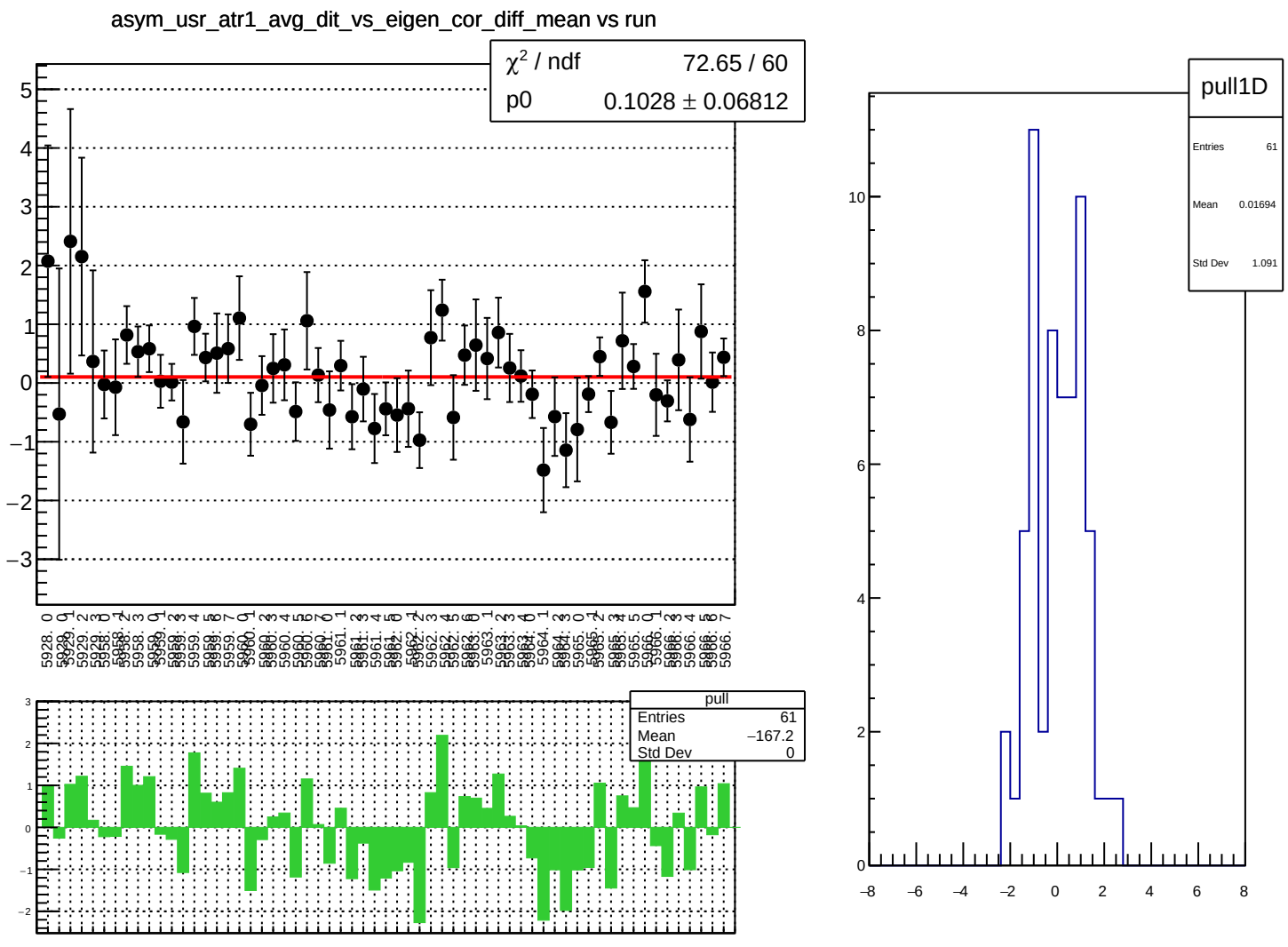

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.59 / 60
p0 −1.817e−13 ± 2.172e−13
pull
Entries 61
Mean −35.77
Std Dev 0

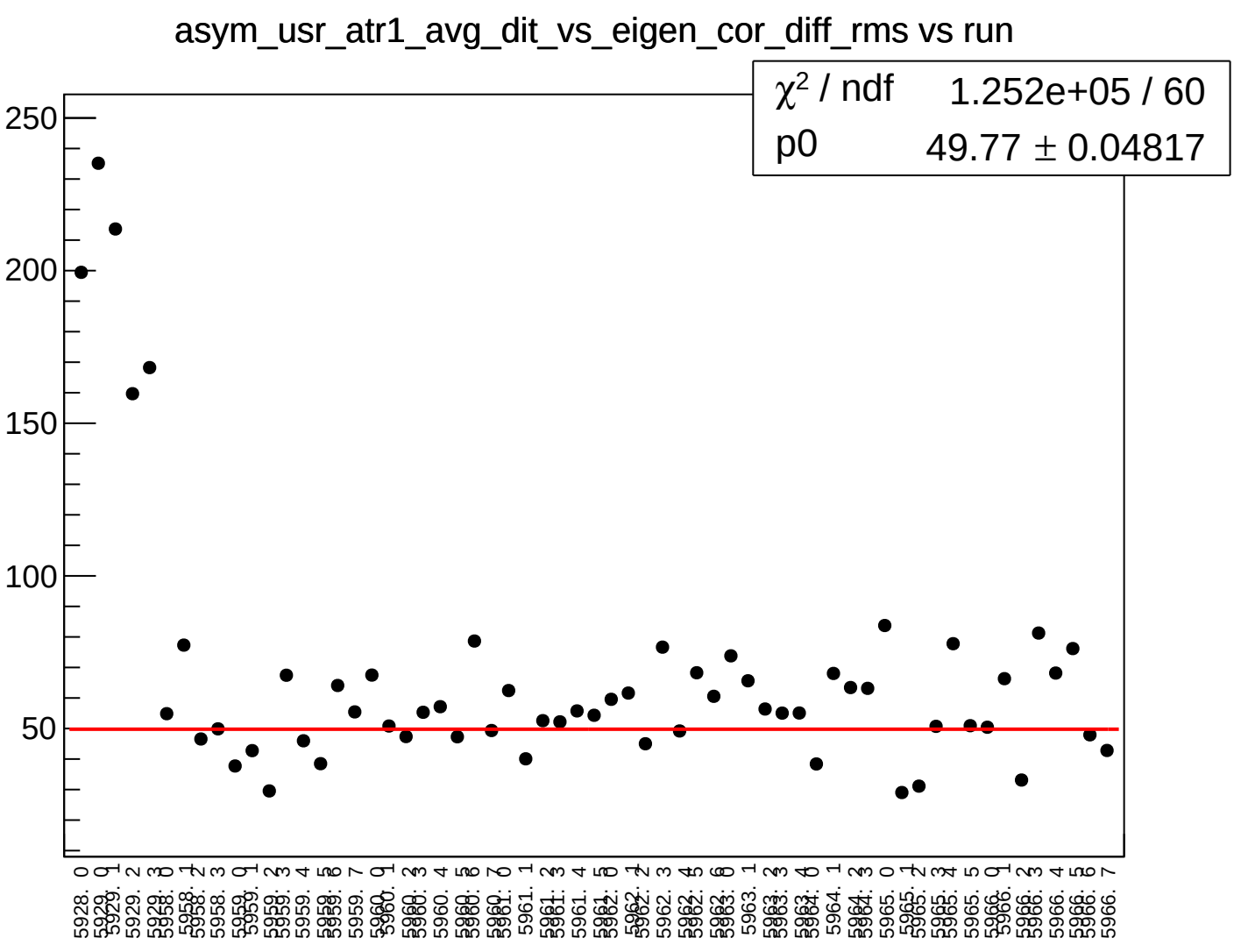

pull1D
Entries 61
Mean 0.05331
Std Dev 1.074

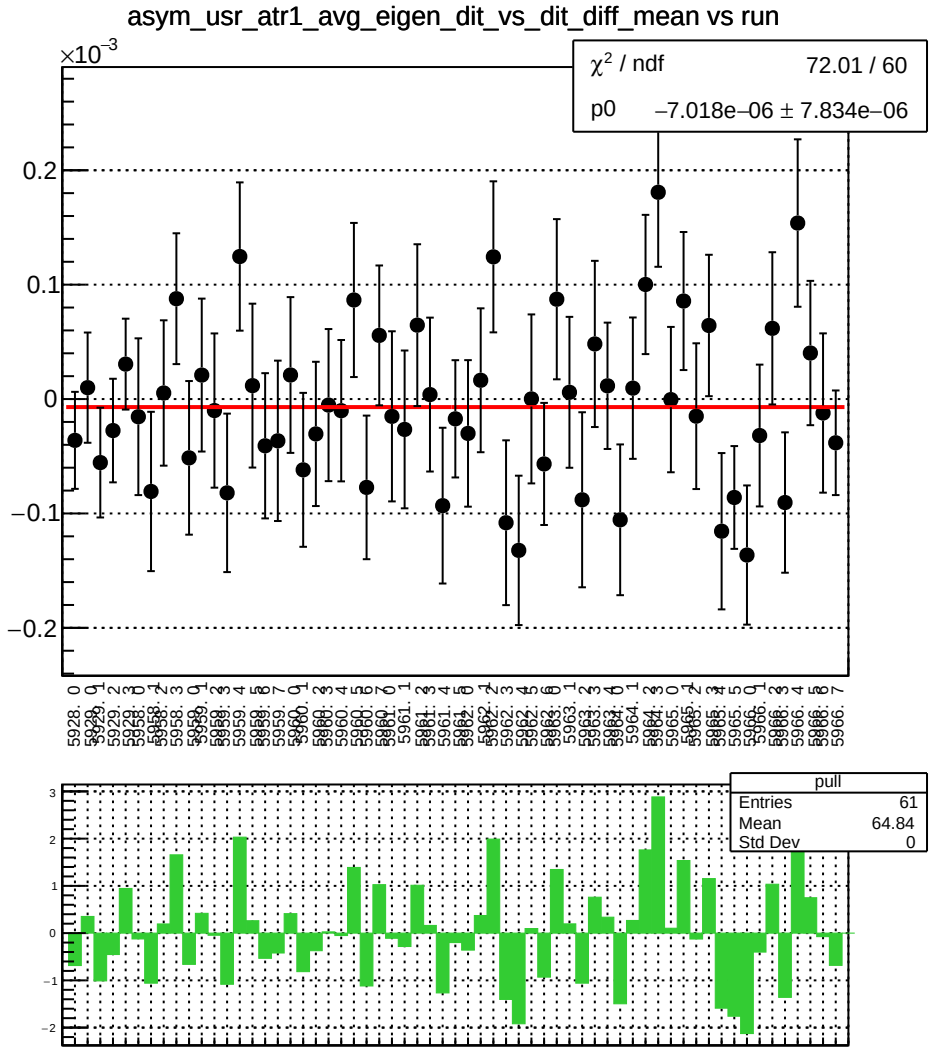

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.761e+05 / 60
p0 1.104e−10 ± 1.536e−13
1.2
1
0.8
0.6
0.4
0.2
0

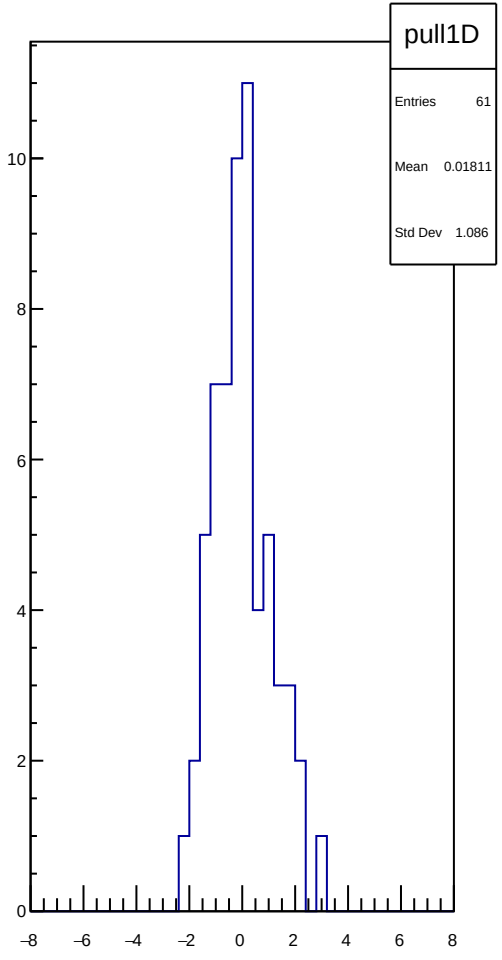

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.65 / 60
p0 0.1028 ± 0.06812
pull
Entries 61
Mean −167.2
Std Dev 0
pull1D
Entries 61
Mean 0.01694
Std Dev 1.091

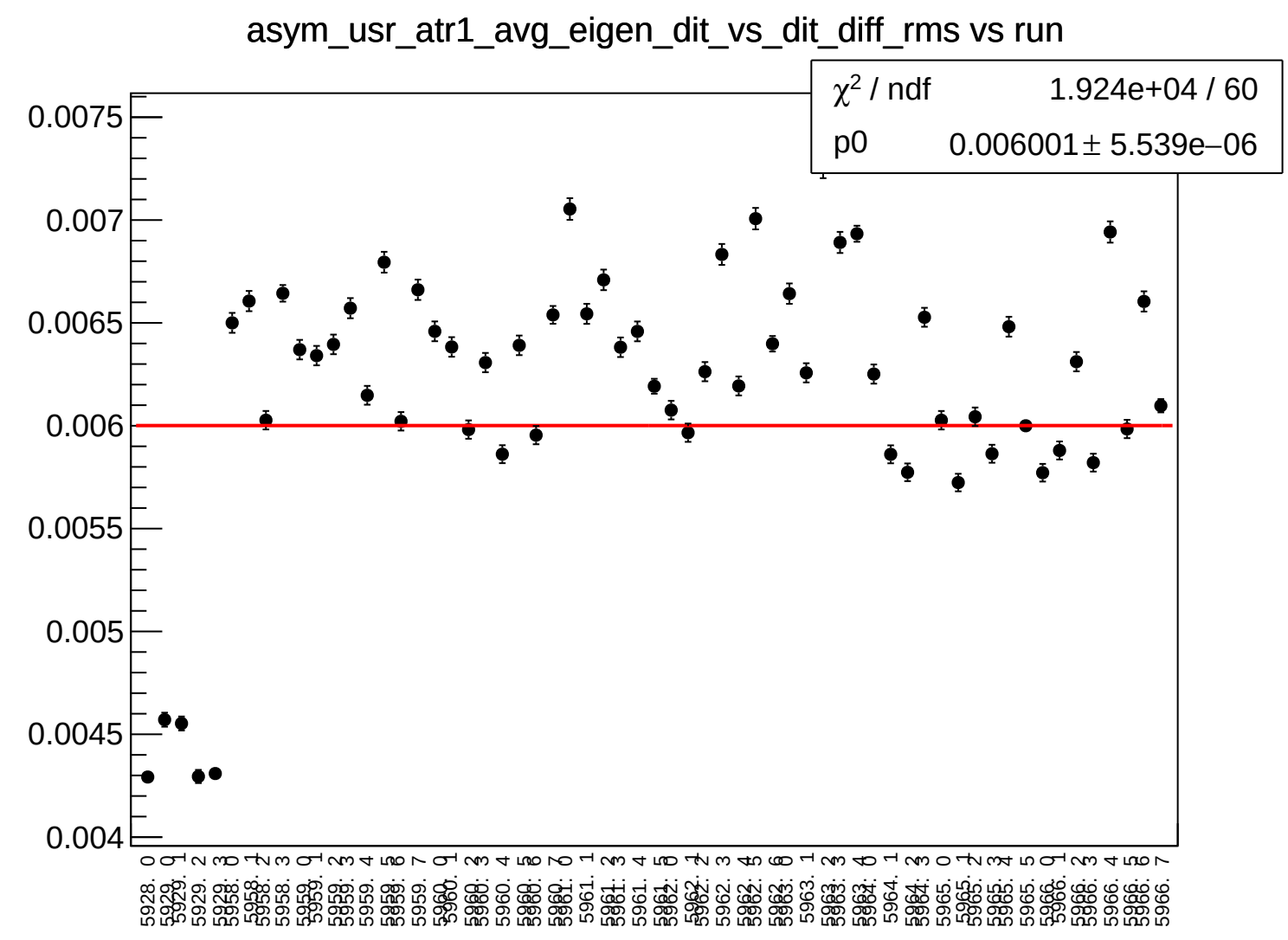

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.252e+05 / 60
p0 49.77 ± 0.04817
250
200
150
100
50

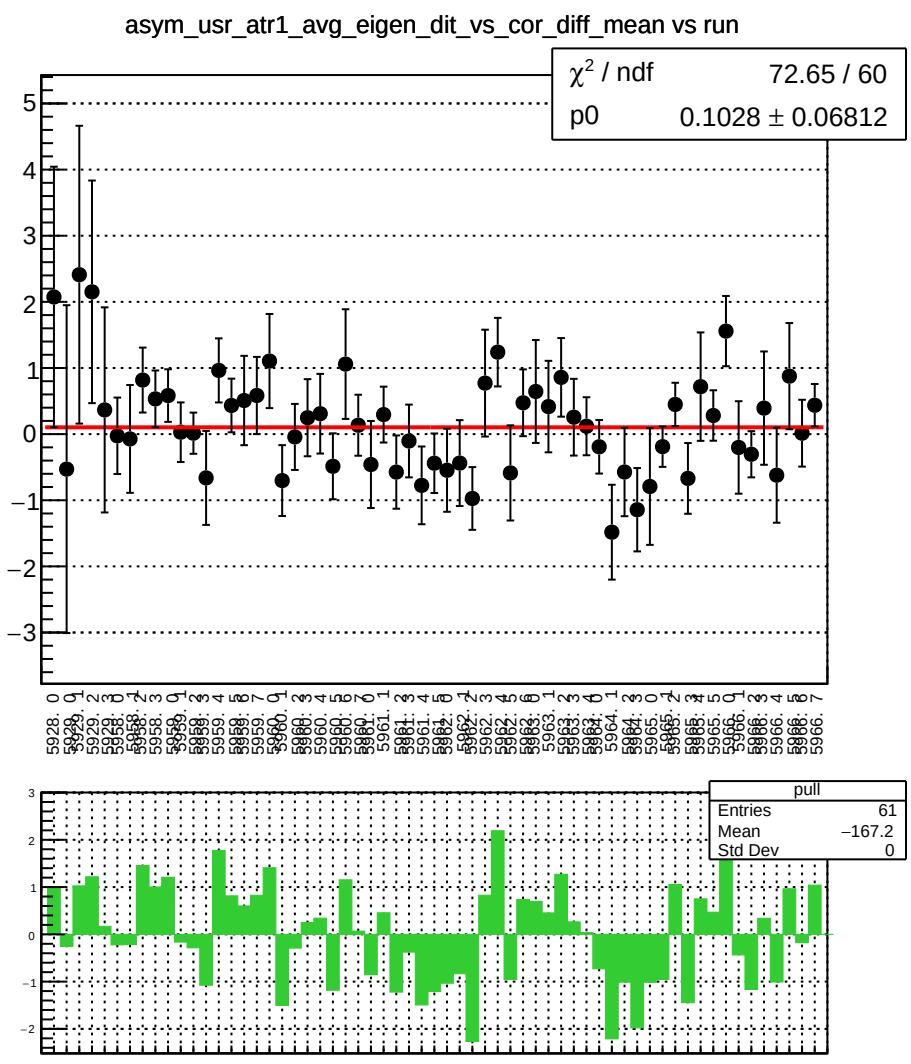

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.65 / 60
p0 0.1028 ± 0.06812
pull
Entries 61
Mean −167.2
Std Dev 0
pull1D
Entries 61
Mean 0.01694
Std Dev 1.091

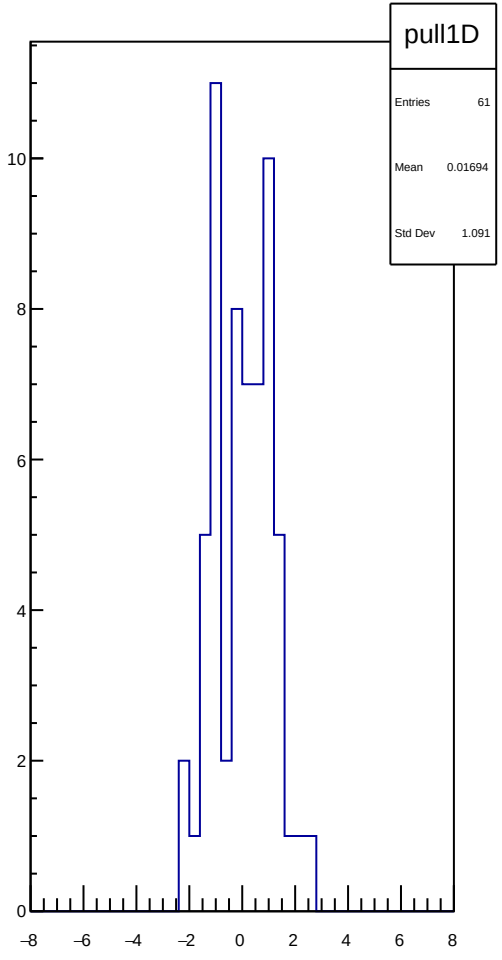

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.252e+05 / 60
p0 49.77 ± 0.04817
250
200
150
100
50

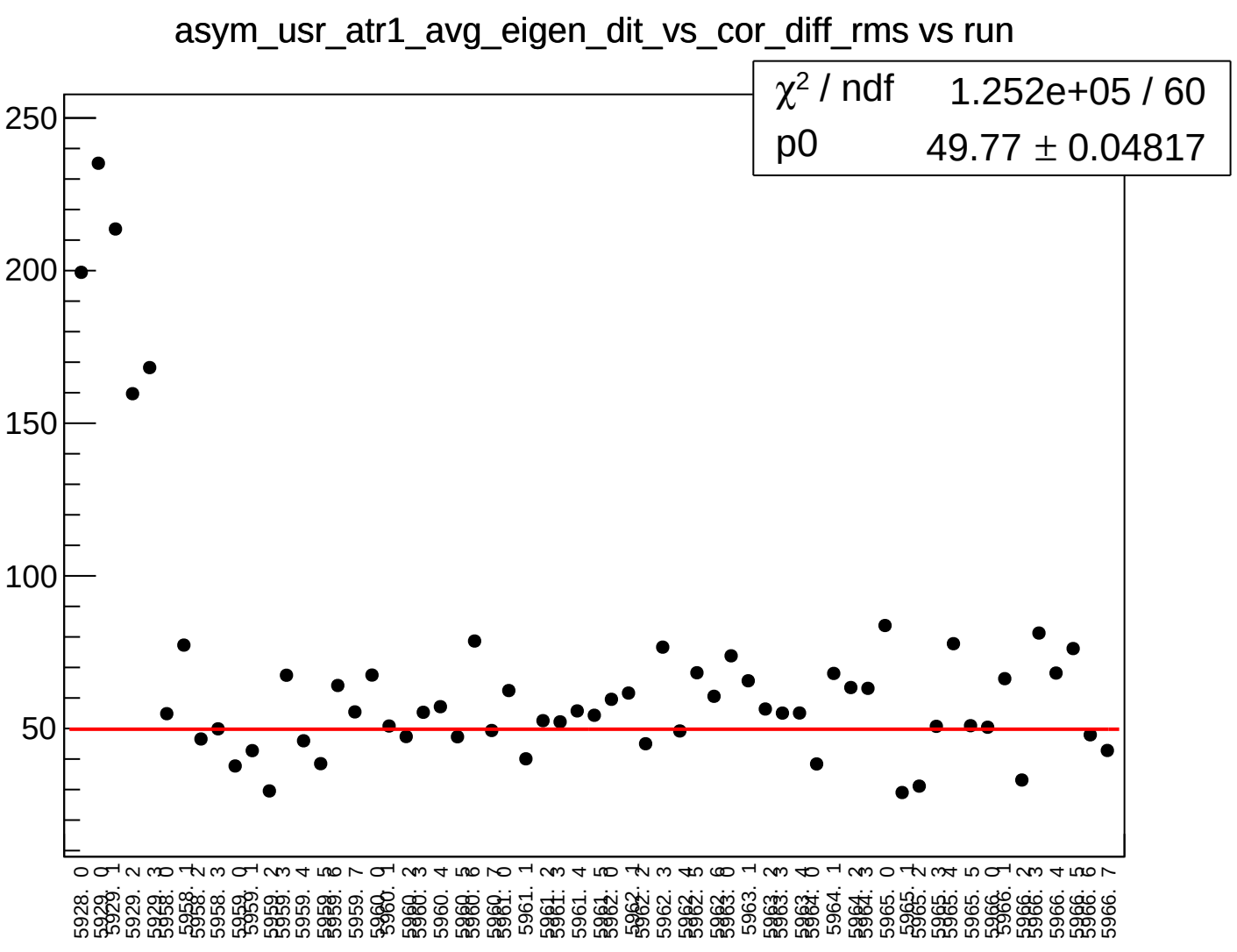

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.01 / 60
p0 −7.018e−06 ± 7.834e−06
pull
Entries 61
Mean 64.84
Std Dev 0

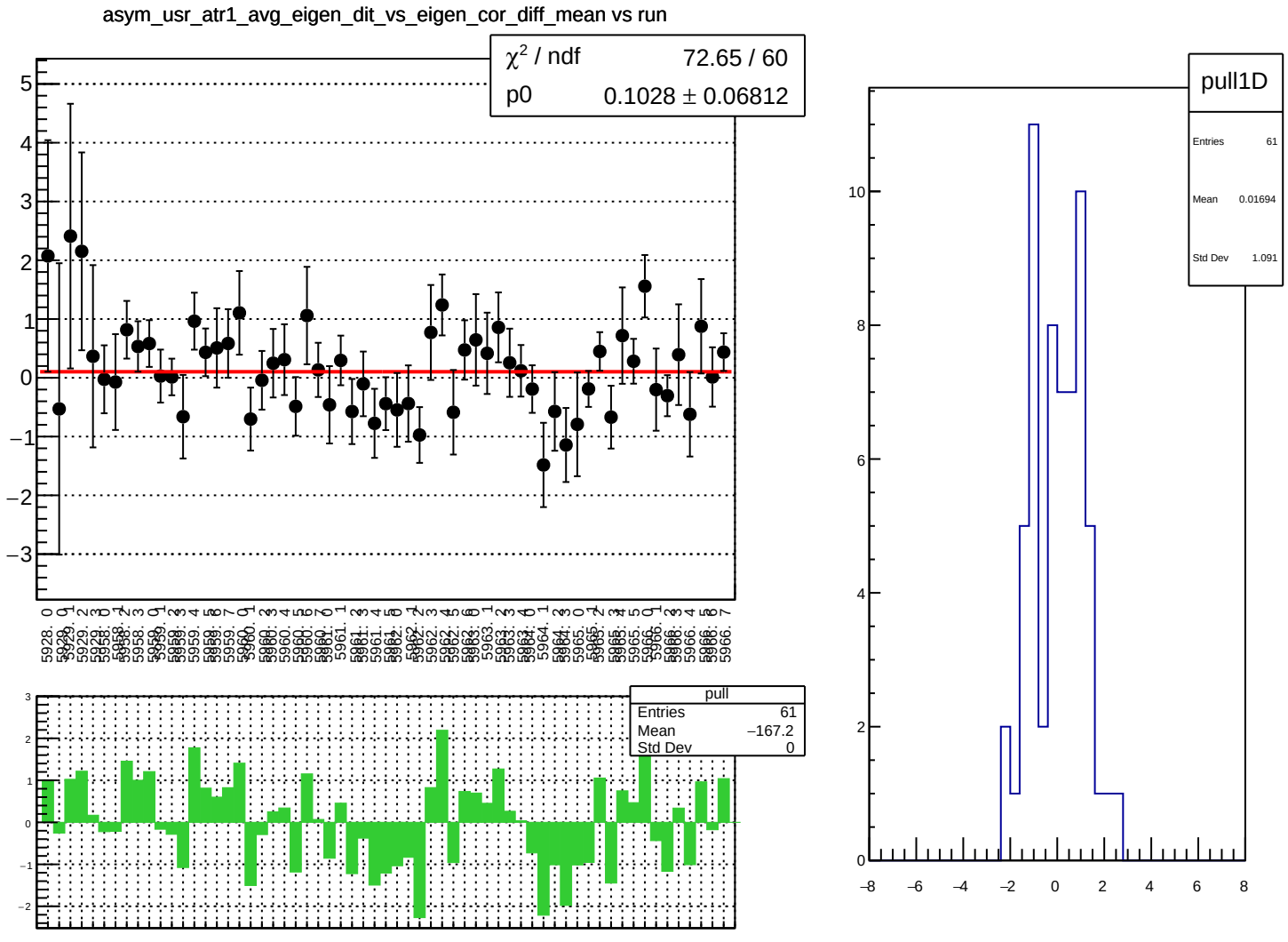

pull1D
Entries 61
Mean 0.01811
Std Dev 1.086

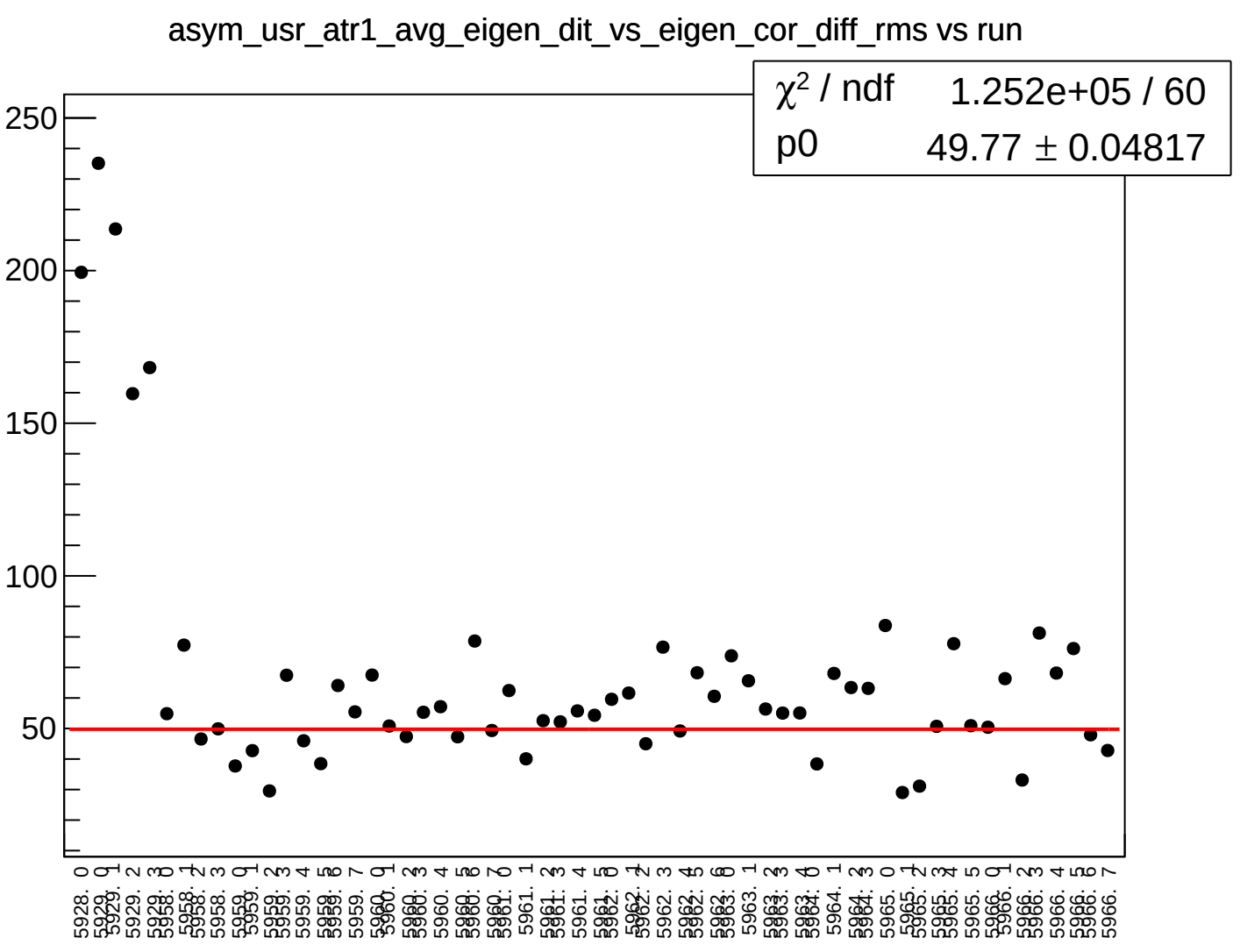

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.924e+04 / 60
p0 0.006001 ± 5.539e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

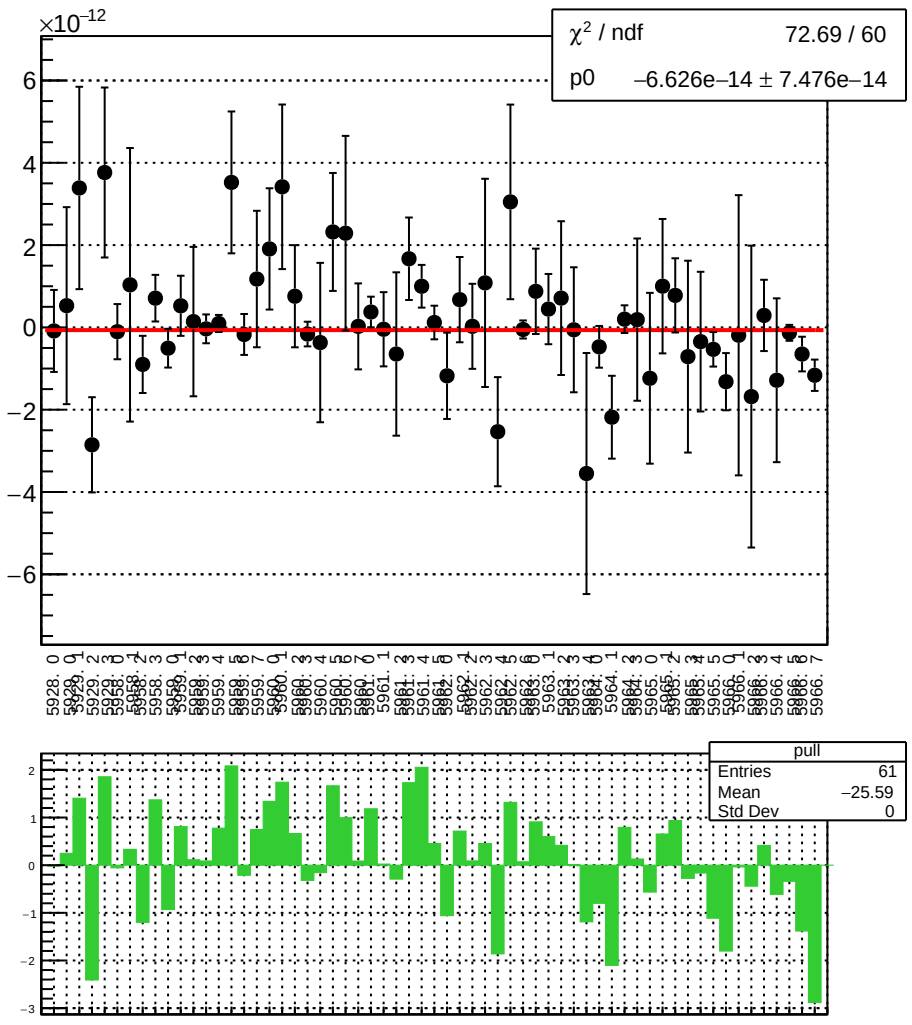

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.65 / 60
p0 0.1028 ± 0.06812
pull
Entries 61
Mean −167.2
Std Dev 0

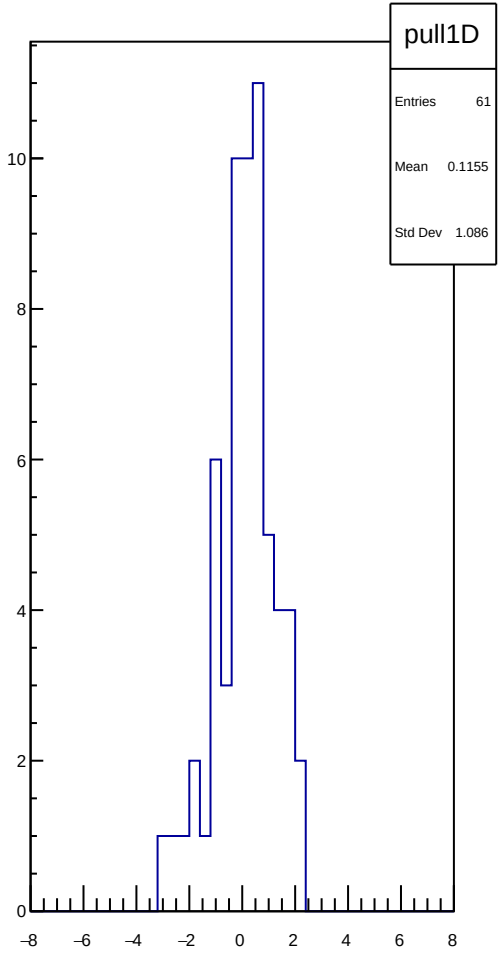

pull1D
Entries 61
Mean 0.01694
Std Dev 1.091

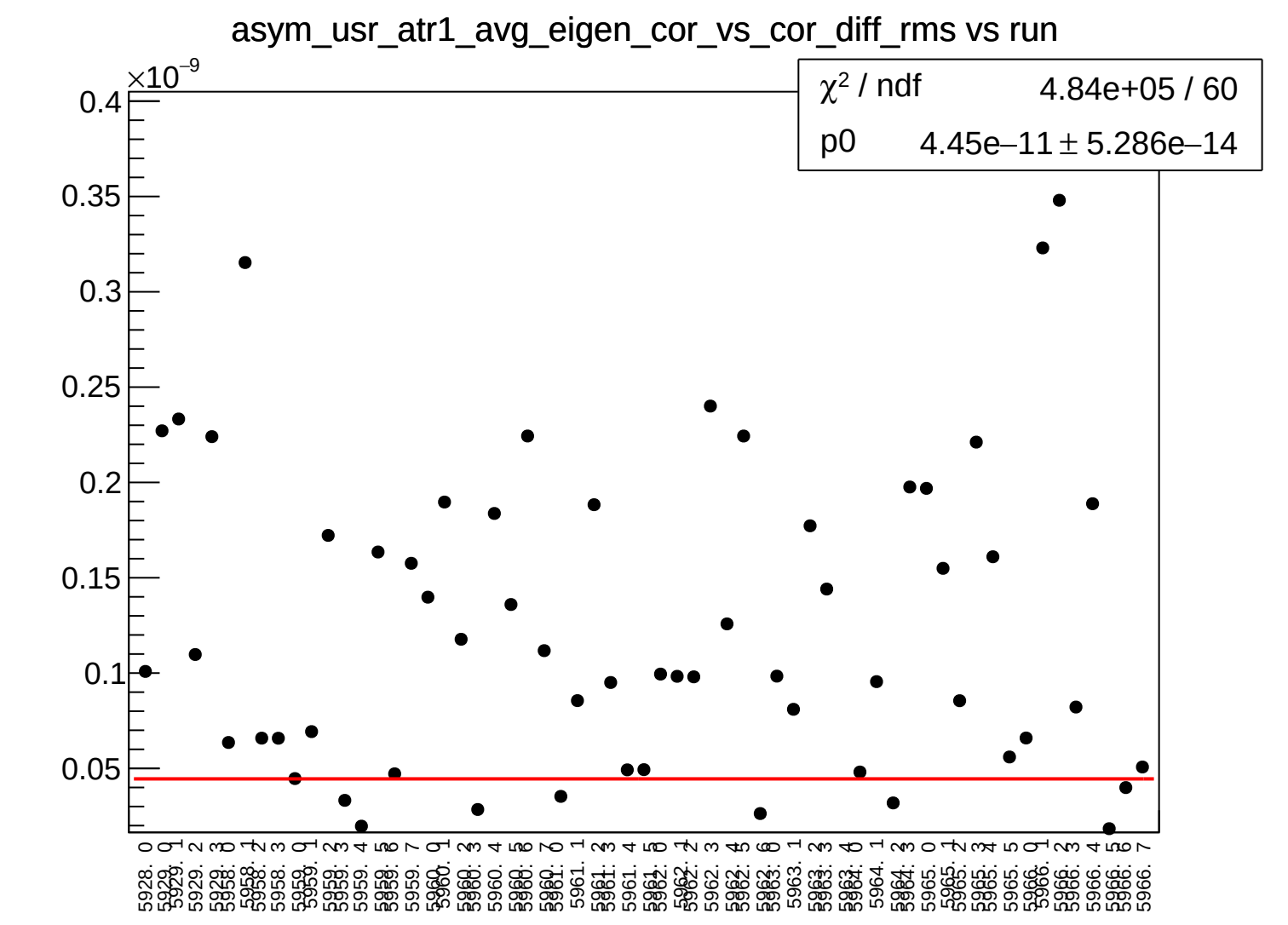

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.252e+05 / 60
p0 49.77 ± 0.04817
250
200
150
100
50

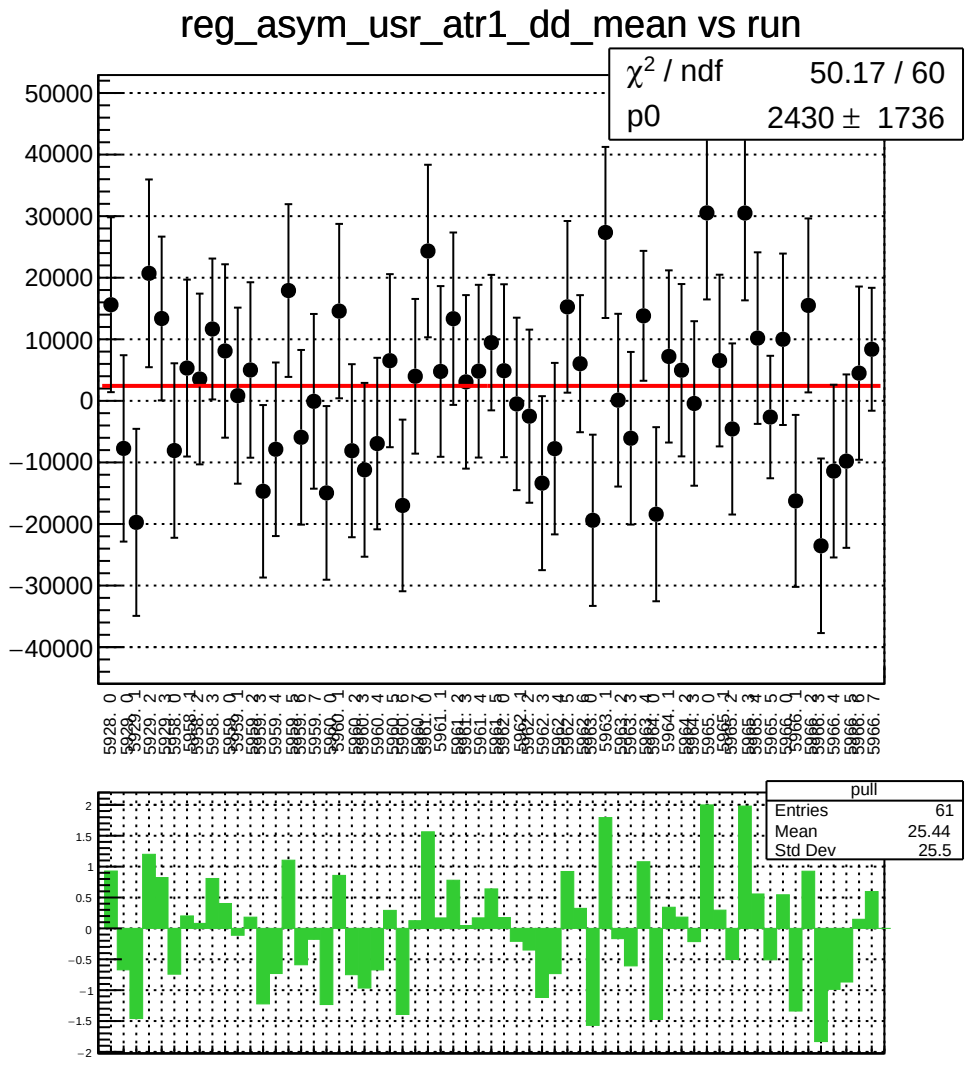

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.65 / 60
p0 0.1028 ± 0.06812
pull
Entries 61
Mean −167.2
Std Dev 0
pull1D
Entries 61
Mean 0.01694
Std Dev 1.091

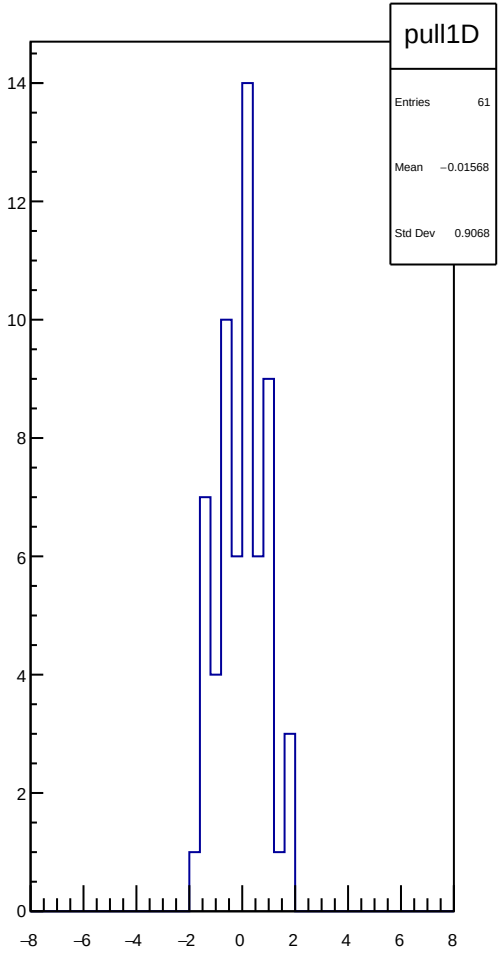

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.252e+05 / 60
p0 49.77 ± 0.04817
250
200
150
100
50

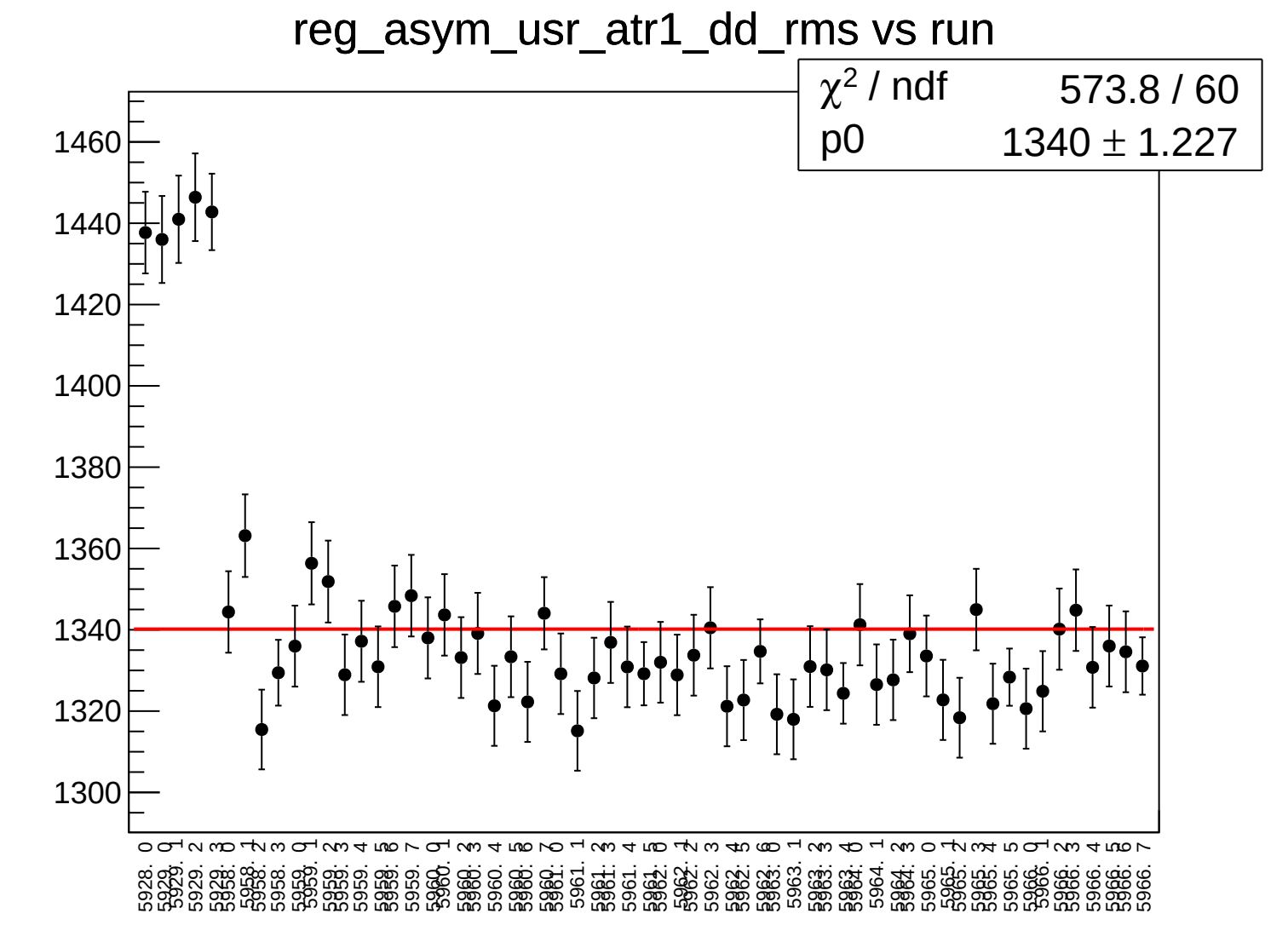

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.69 / 60
p0 −6.626e−14 ± 7.476e−14
pull
Entries 61
Mean −25.59
Std Dev 0

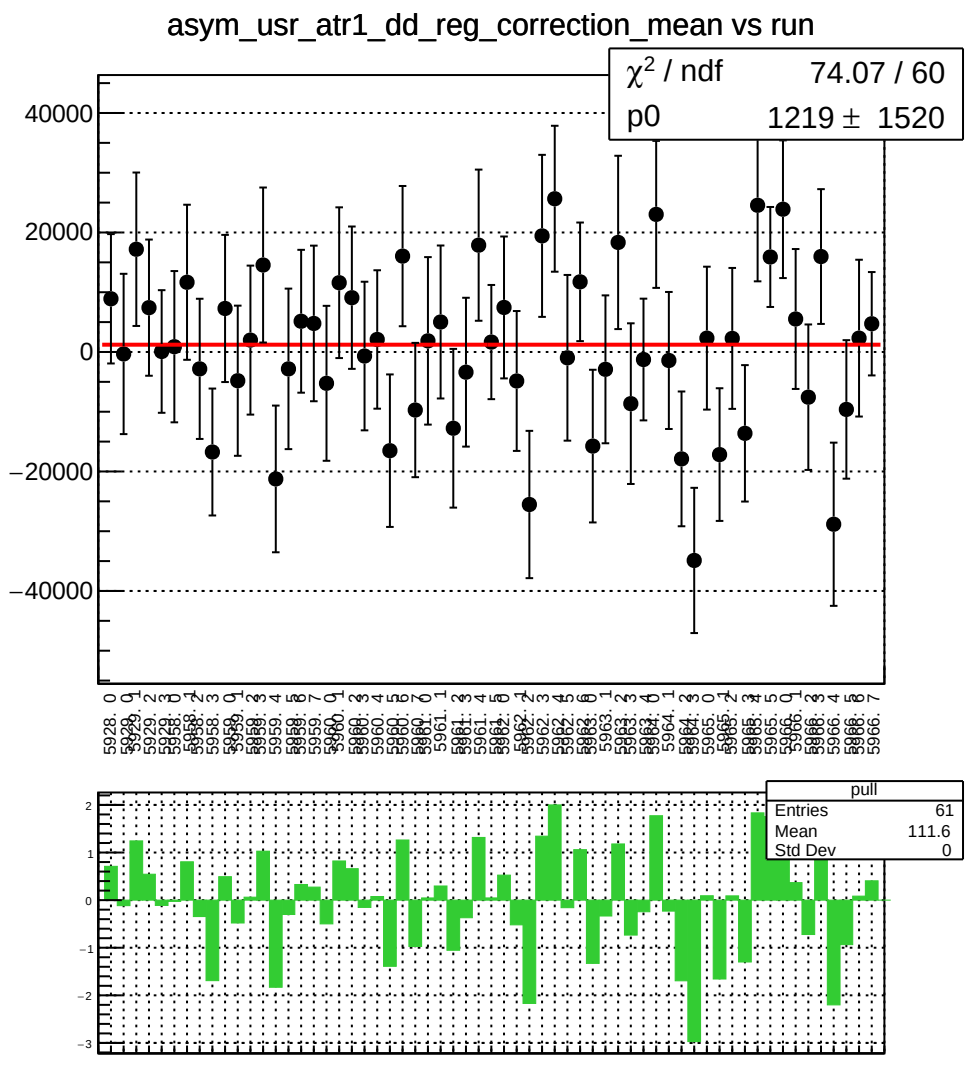

pull1D
Entries 61
Mean 0.1155
Std Dev 1.086

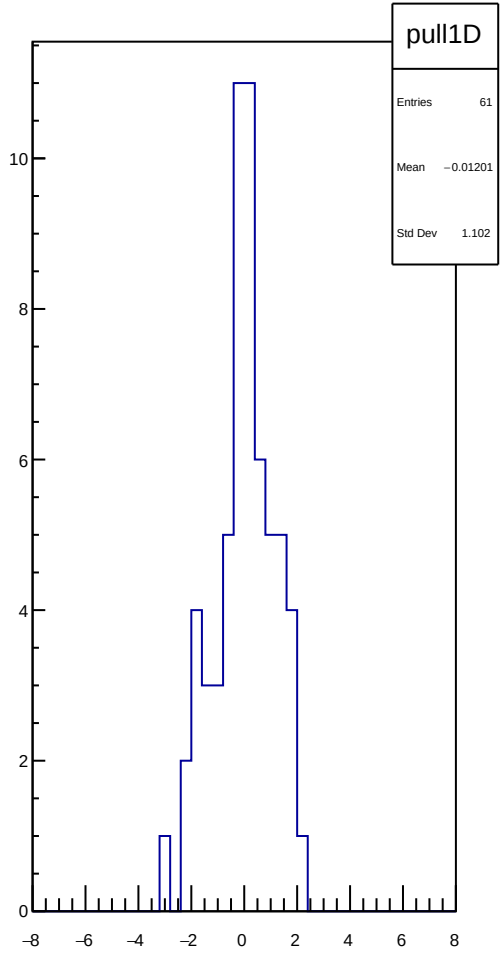

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.84e+05 / 60
p0 4.45e−11 ± 5.286e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

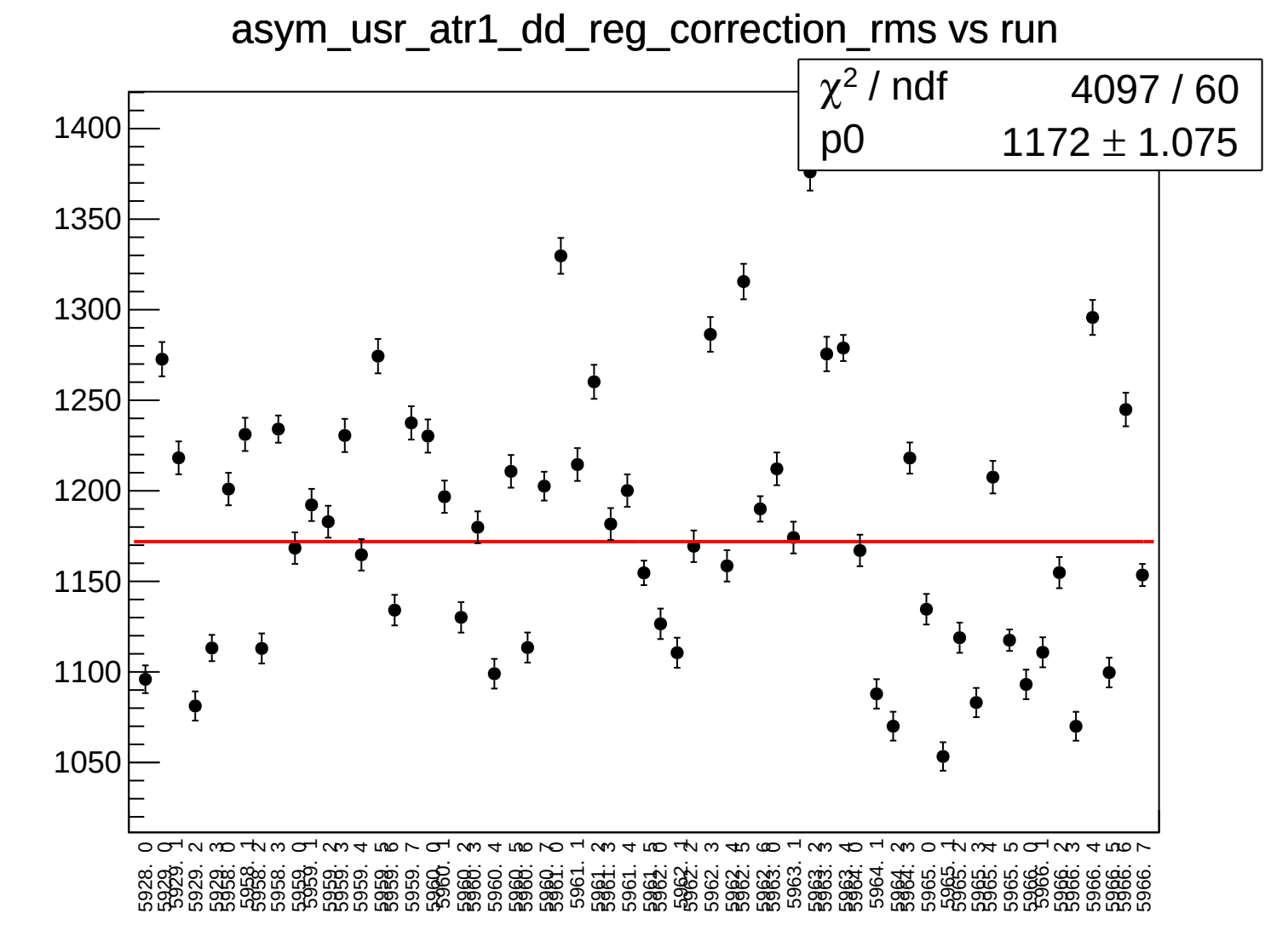

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 50.17 / 60
p0 2430 ± 1736
pull
Entries 61
Mean 25.44
Std Dev 25.5

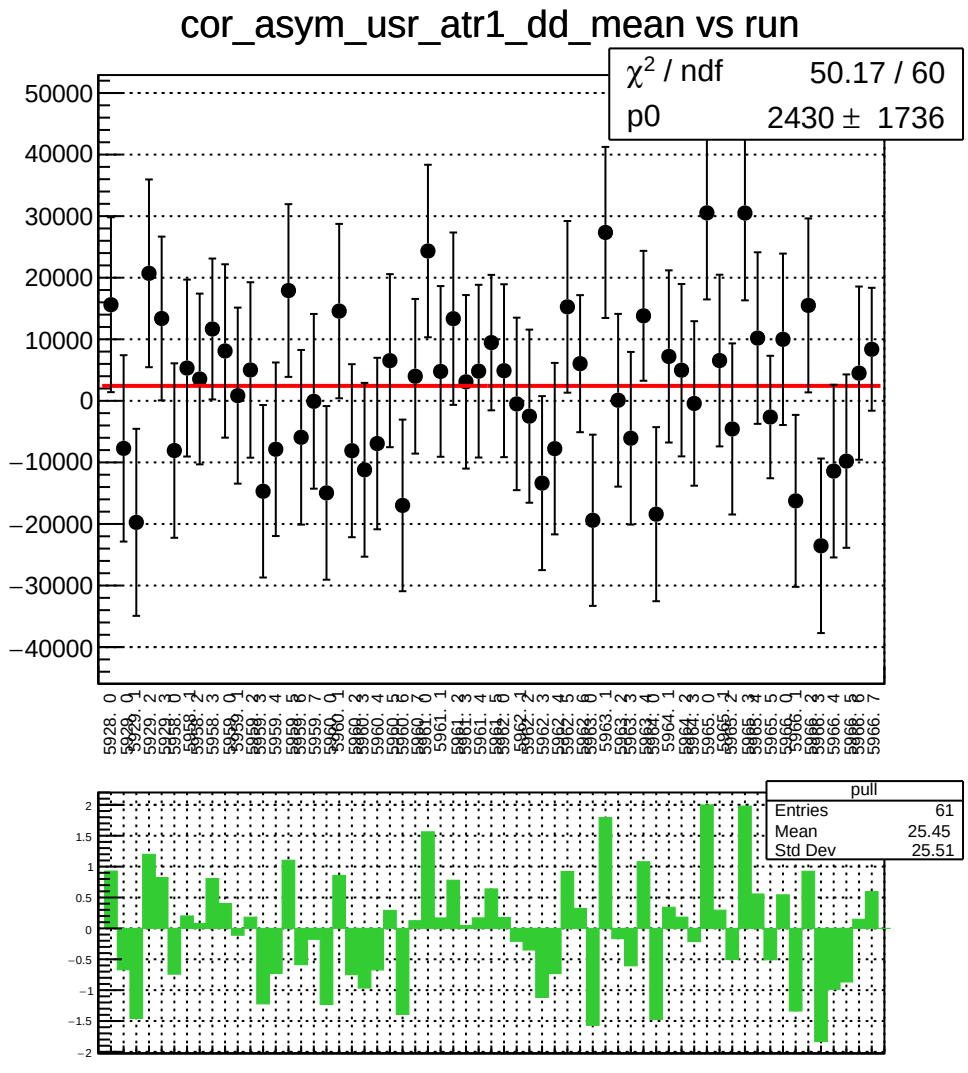

pull1D
Entries 61
Mean −0.01568
Std Dev 0.9068

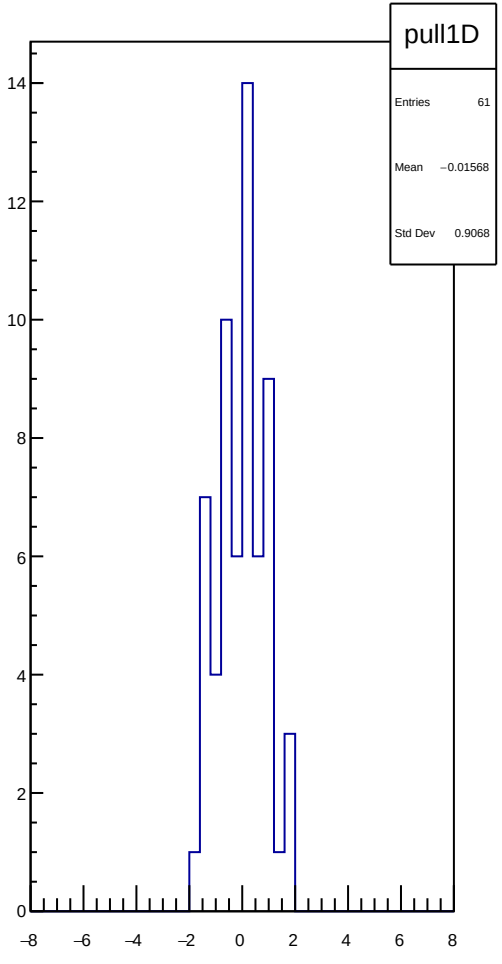

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 573.8 / 60
p0 1340 ± 1.227
1460
1440
1420
1400
1380
1360
1340
1320
1300

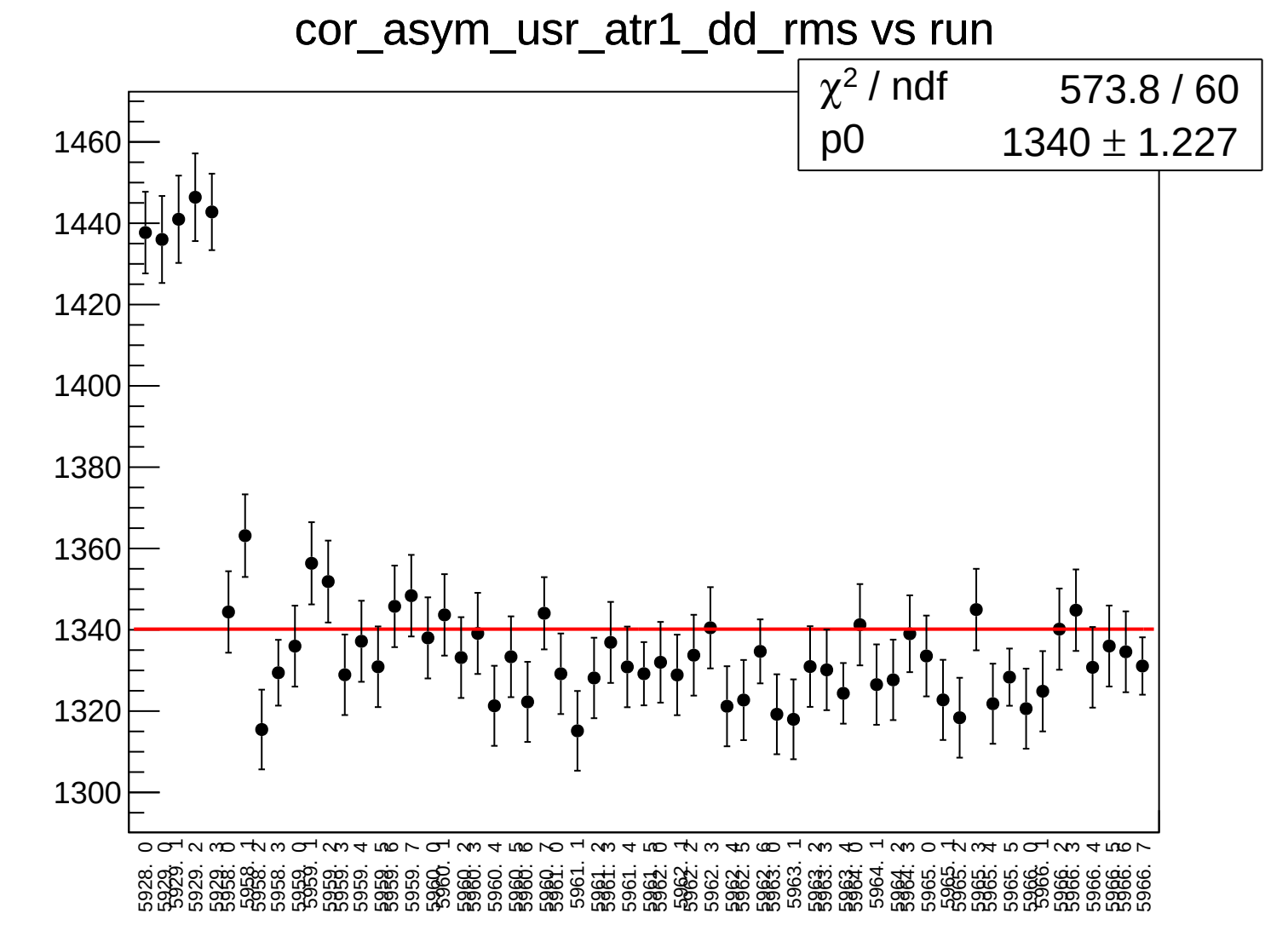

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1219 ± 1520
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 111.6
Std Dev 0
2
1
0
−1
−2
−3

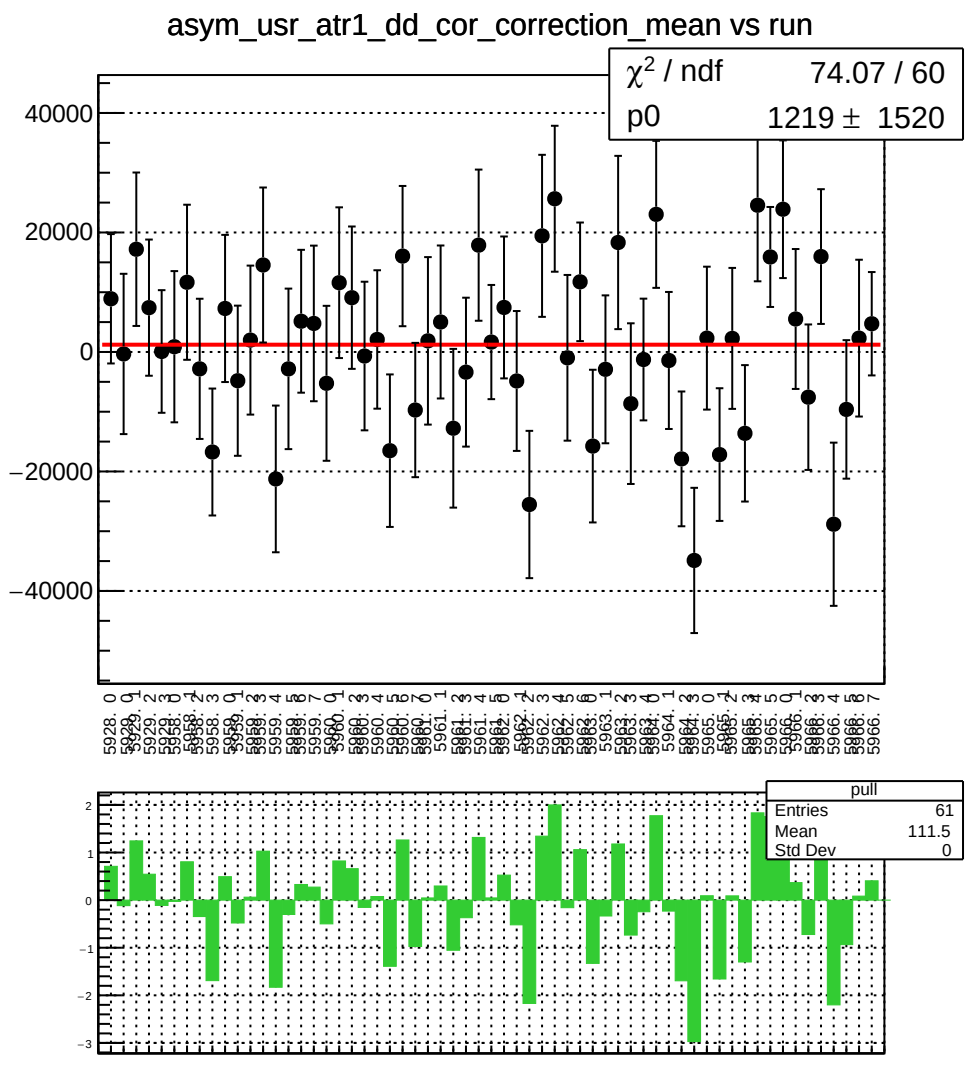

pull1D
Entries 61
Mean −0.01201
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

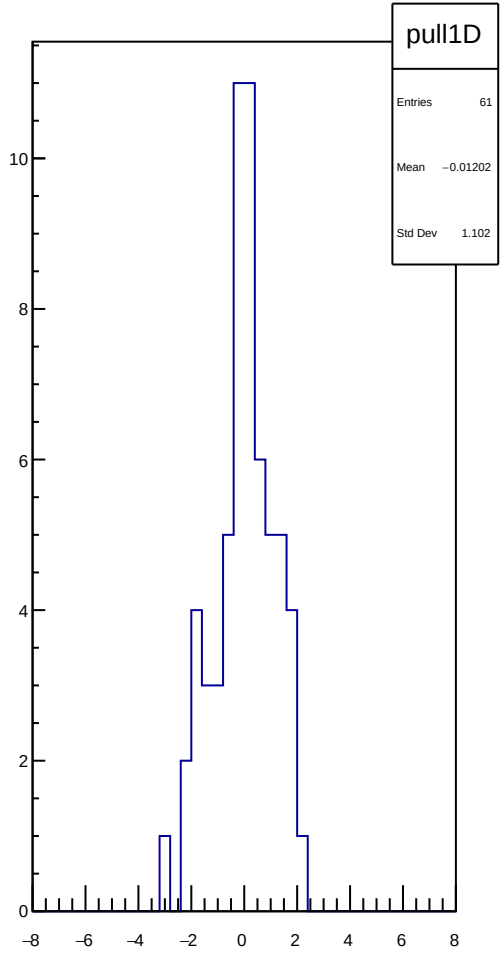

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4097 / 60
p0 1172 ± 1.075
1400
1350
1300
1250
1200
1150
1100
1050

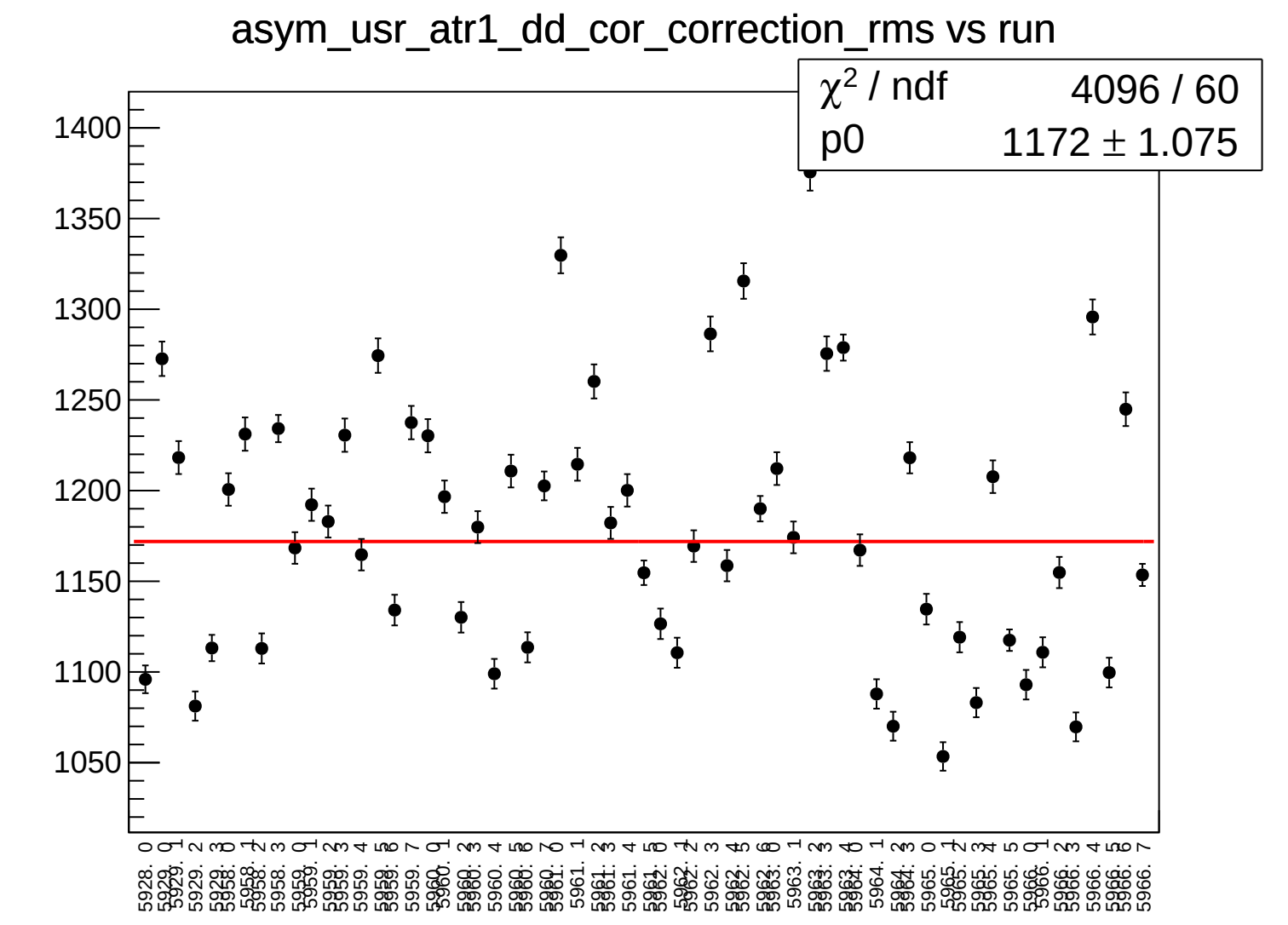

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 50.17 / 60
p0 2430 ± 1736
pull
Entries 61
Mean 25.45
Std Dev 25.51

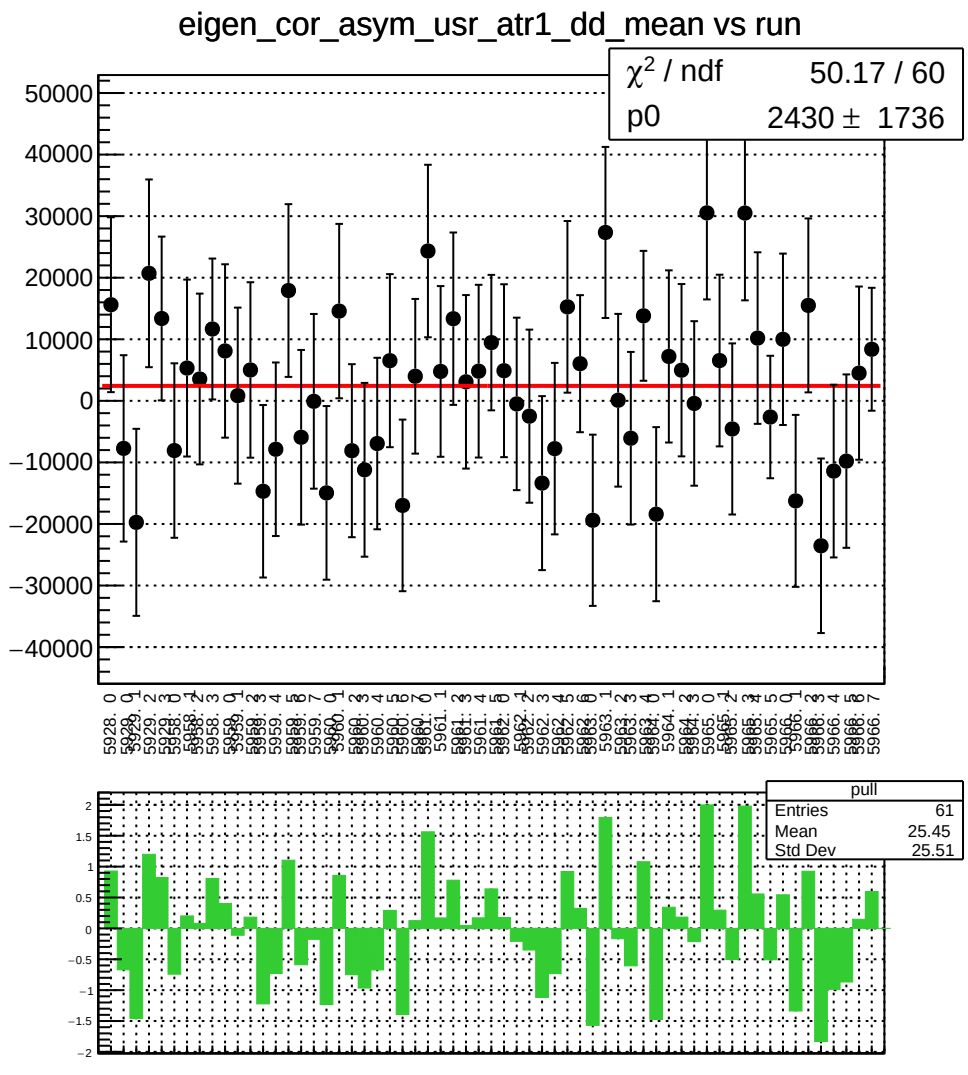

pull1D
Entries 61
Mean −0.01568
Std Dev 0.9068

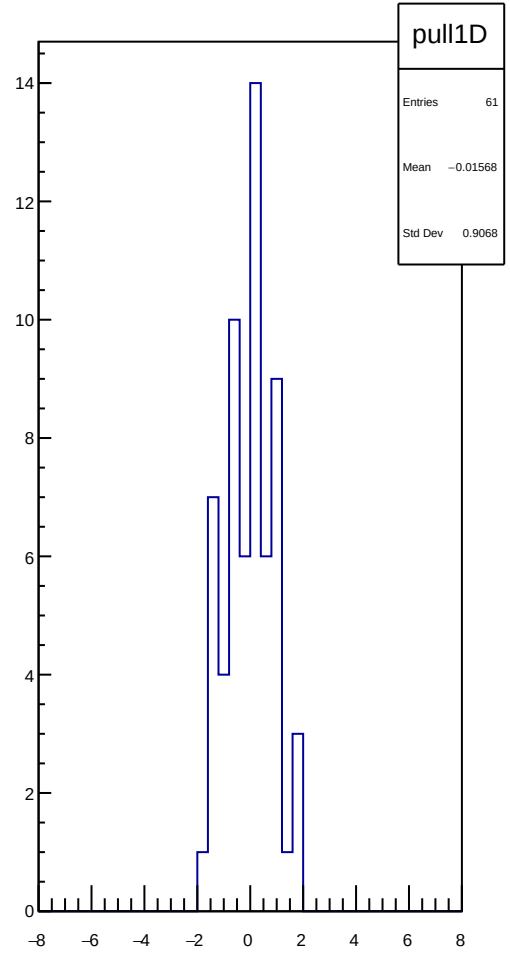

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 573.8 / 60
p0 1340 ± 1.227
1460
1440
1420
1400
1380
1360
1340
1320
1300

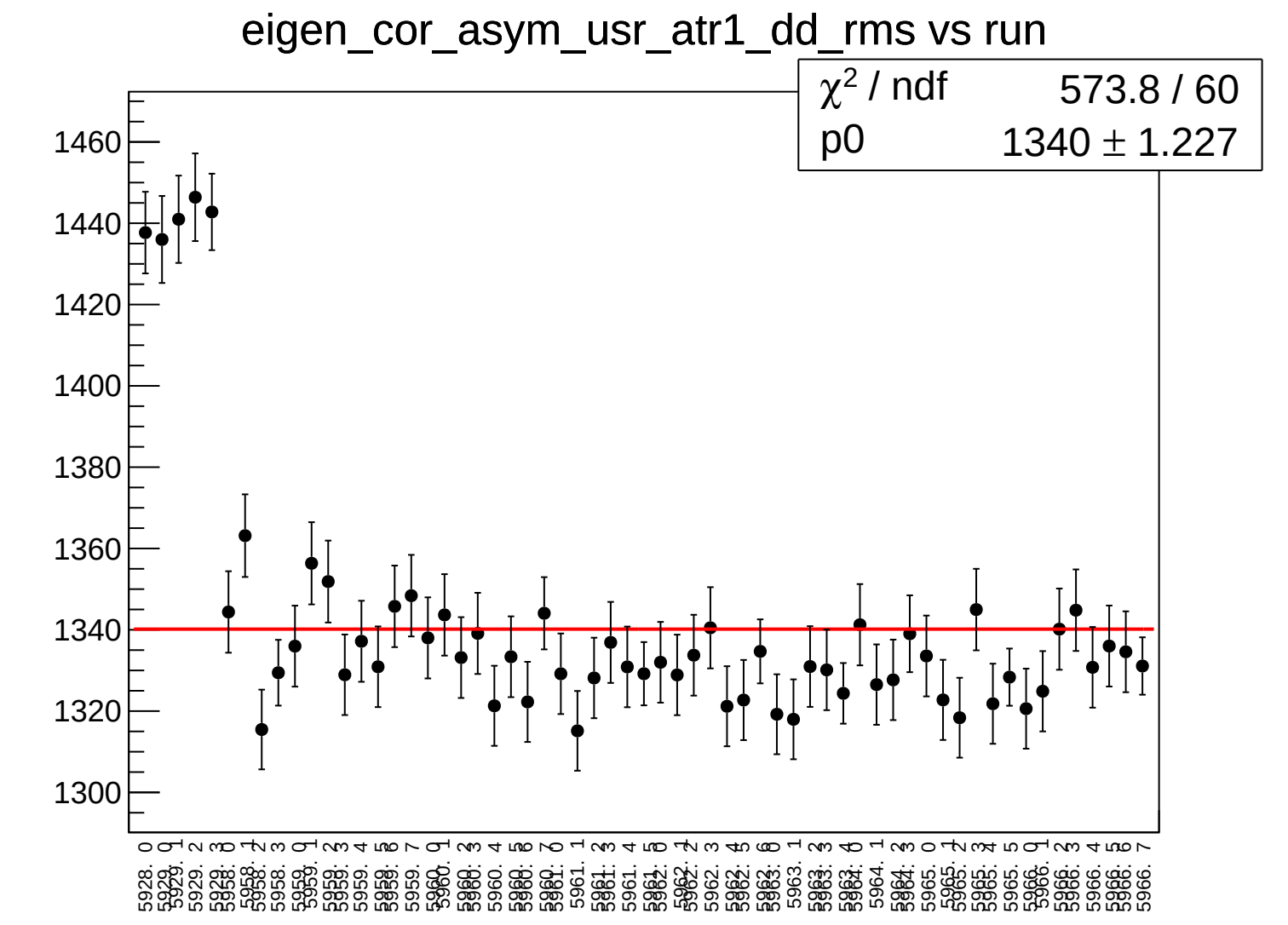

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1219 ± 1520
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 111.5
Std Dev 0
2
1
0
−1
−2
−3

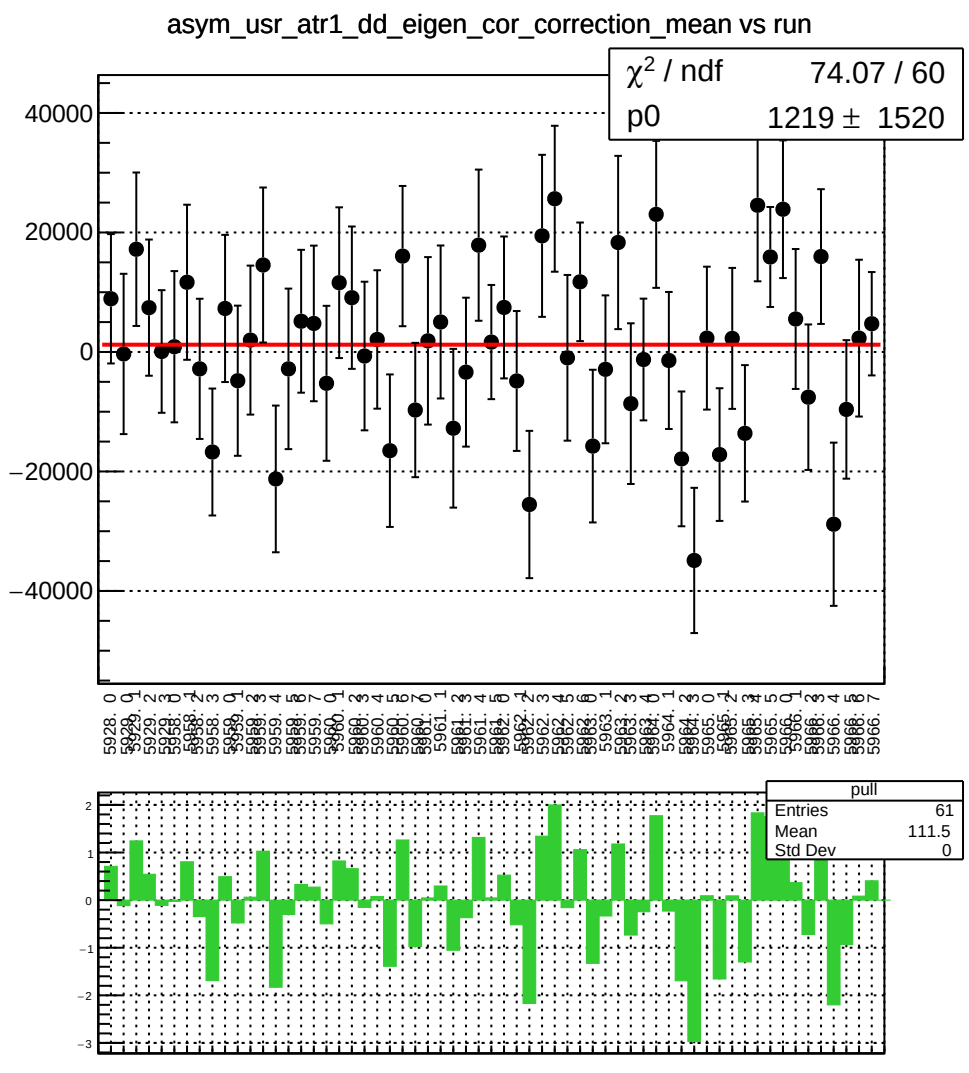

pull1D
Entries 61
Mean −0.01202
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

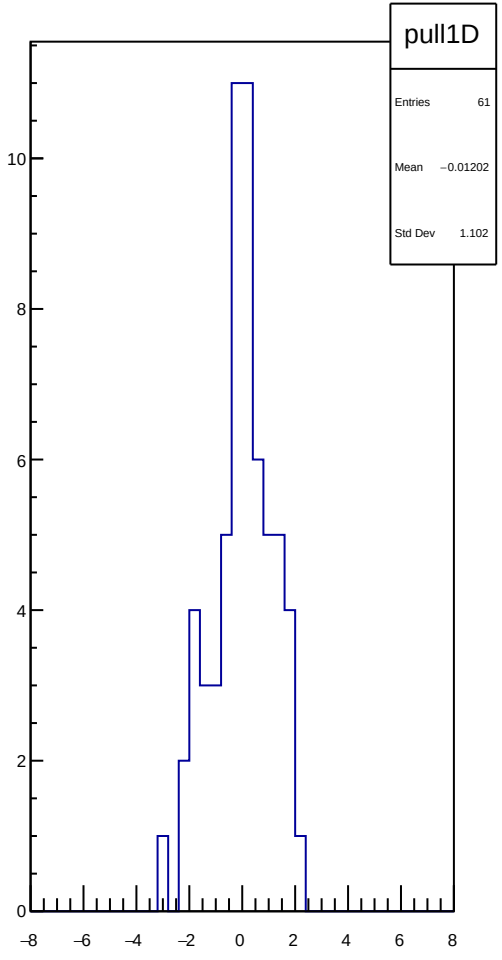

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4096 / 60
p0 1172 ± 1.075
1400
1350
1300
1250
1200
1150
1100
1050

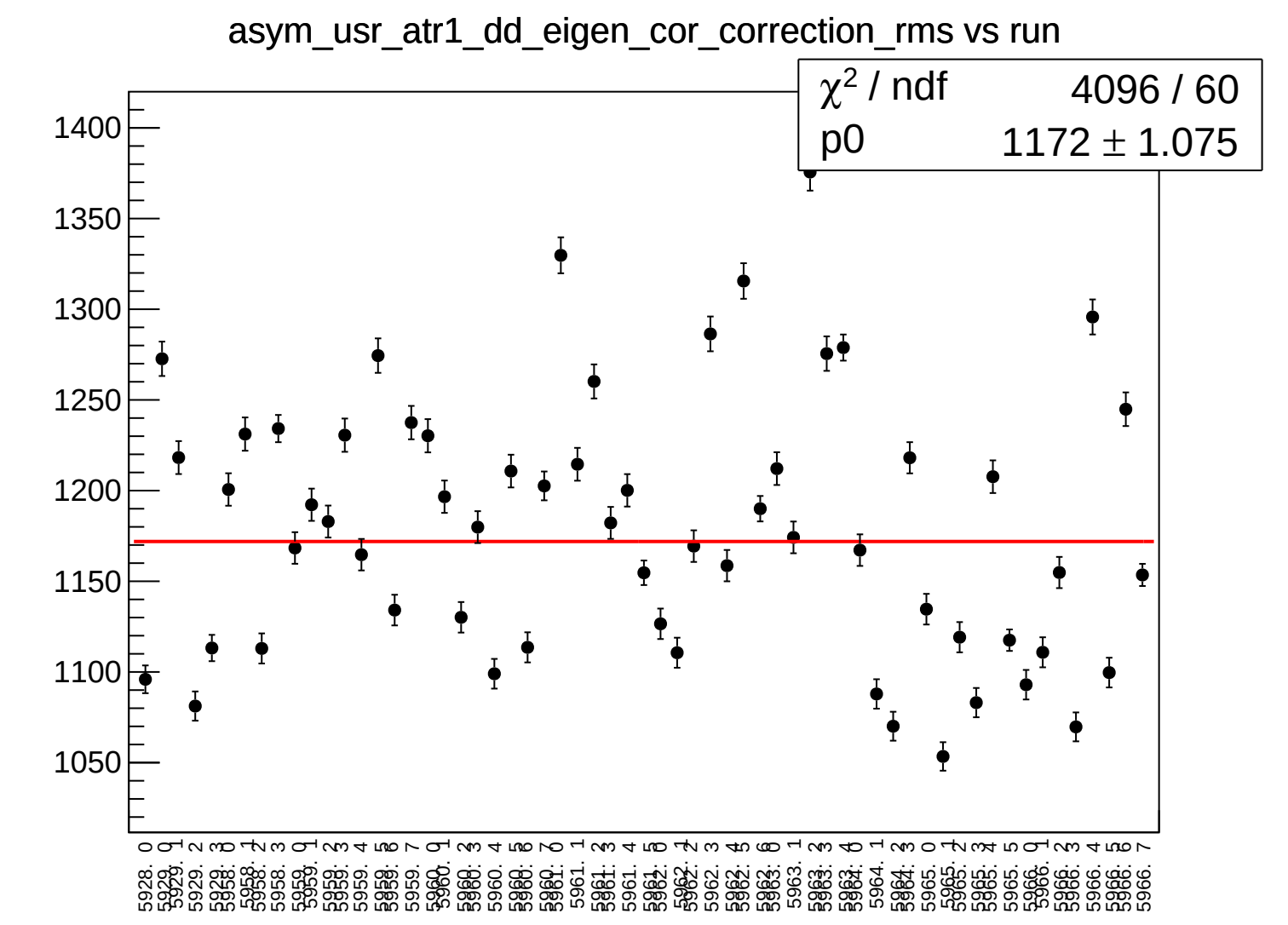

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 50.17 / 60
p0 2430 ± 1736
pull
Entries 61
Mean 25.45
Std Dev 25.51

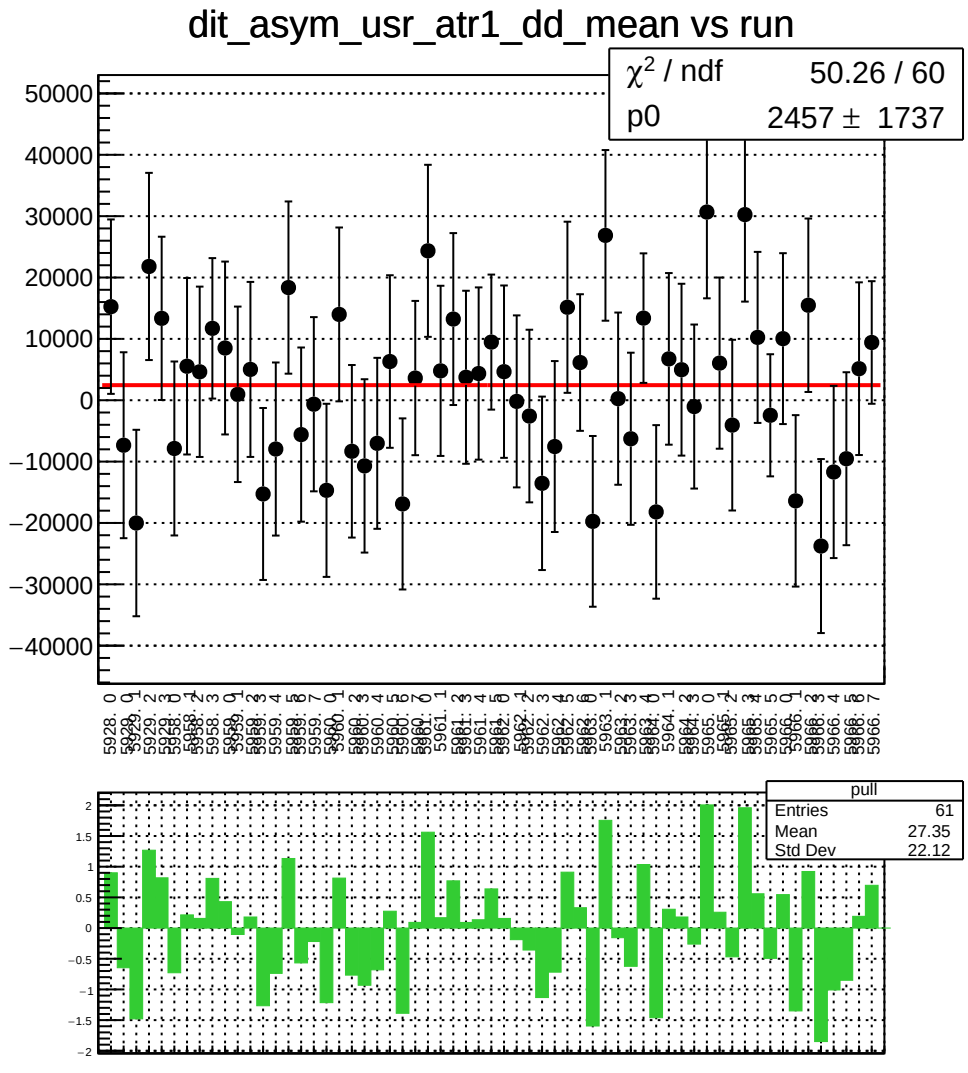

pull1D
Entries 61
Mean −0.01568
Std Dev 0.9068

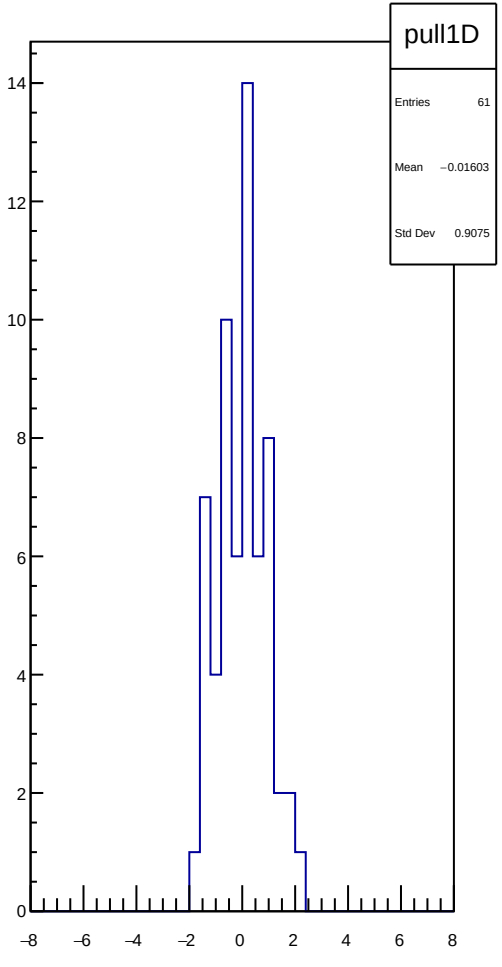

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 573.8 / 60
p0 1340 ± 1.227
1460
1440
1420
1400
1380
1360
1340
1320
1300

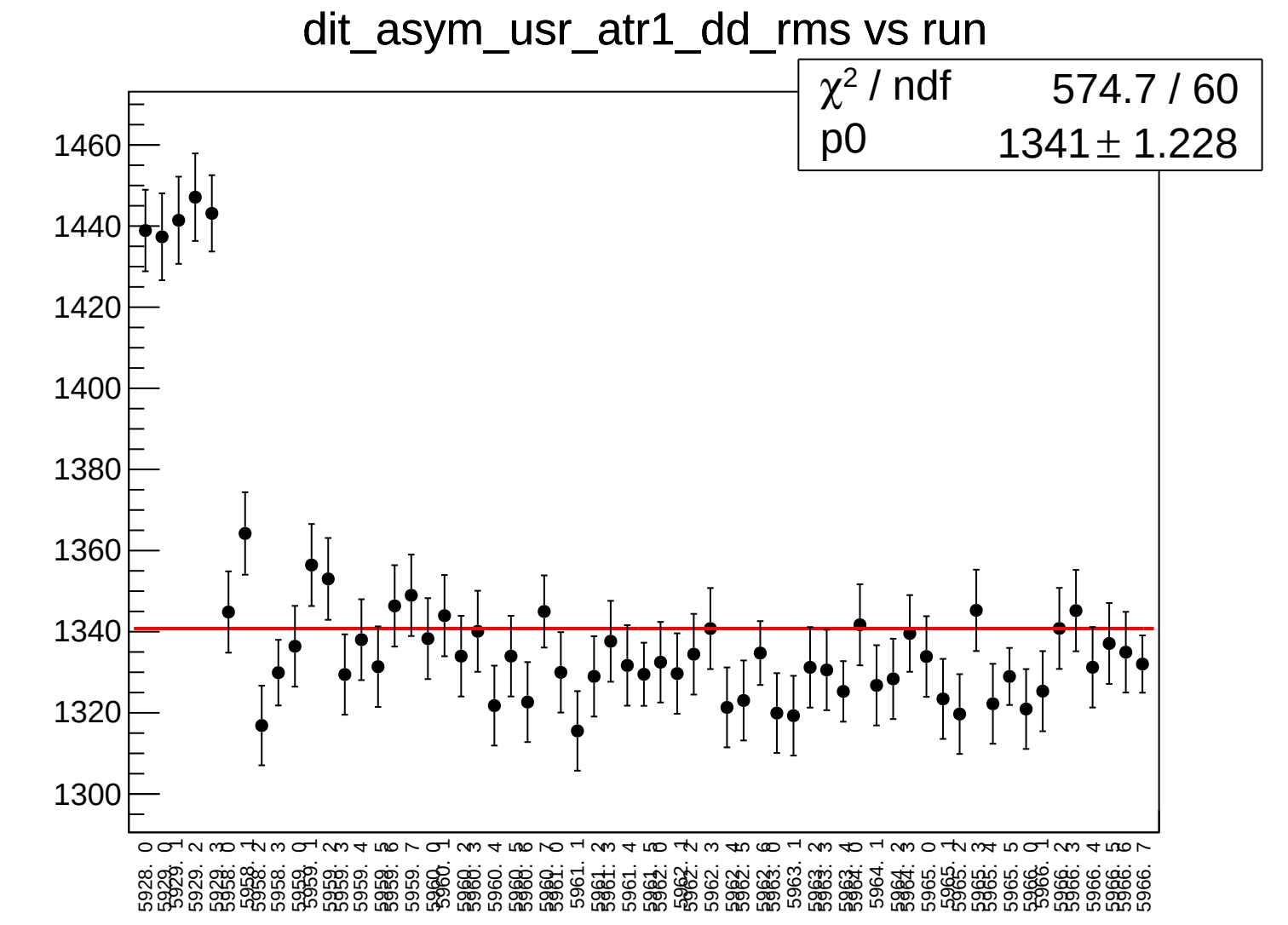

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.07 / 60
p0 1219 ± 1520
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 111.5
Std Dev 0
2
1
0
−1
−2
−3

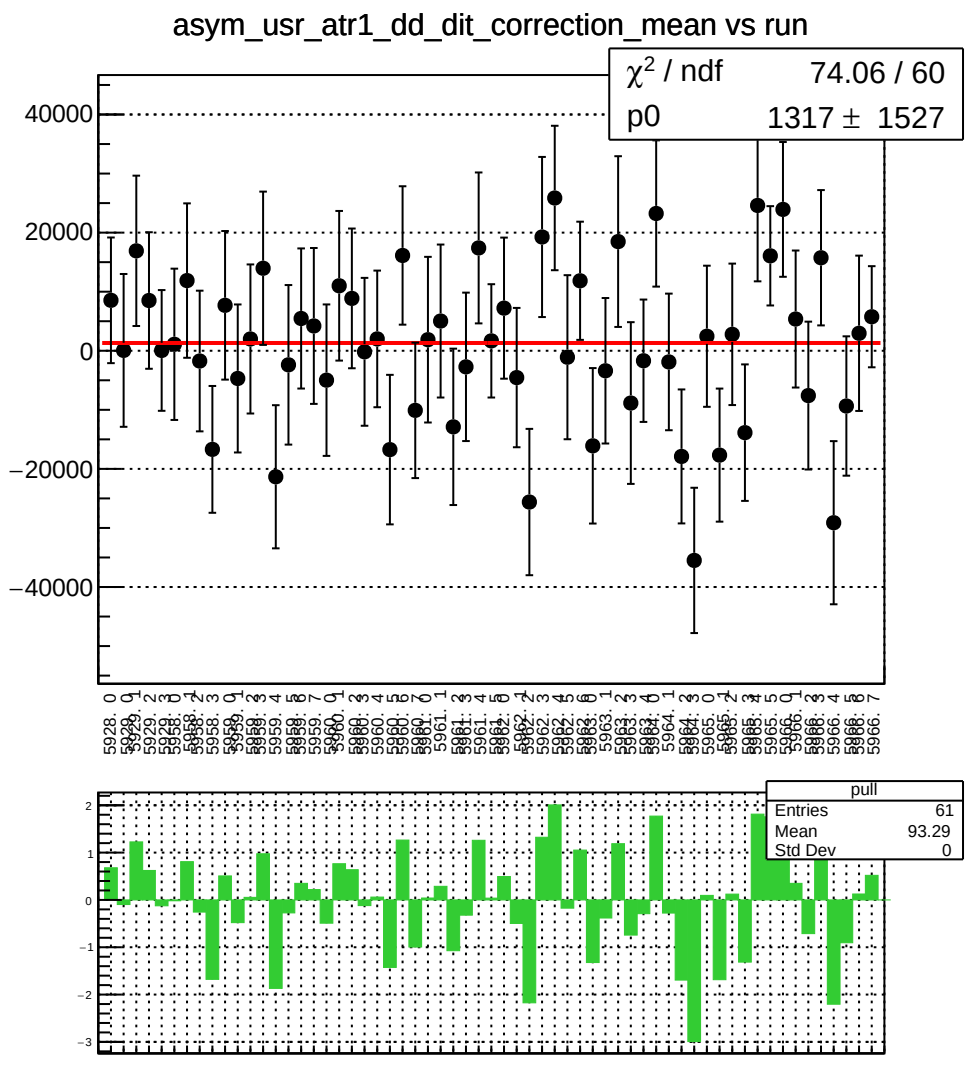

pull1D
Entries 61
Mean −0.01202
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

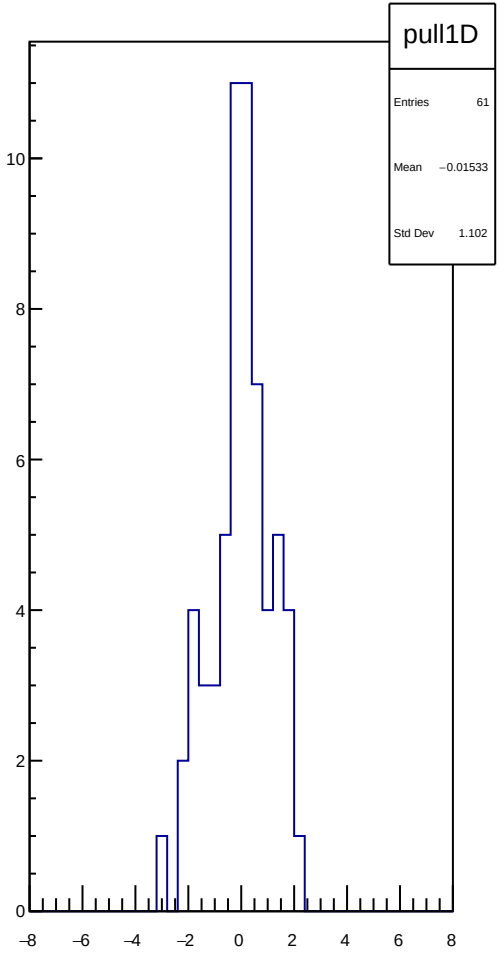

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4096 / 60
p0 1172 ± 1.075
1400
1350
1300
1250
1200
1150
1100
1050

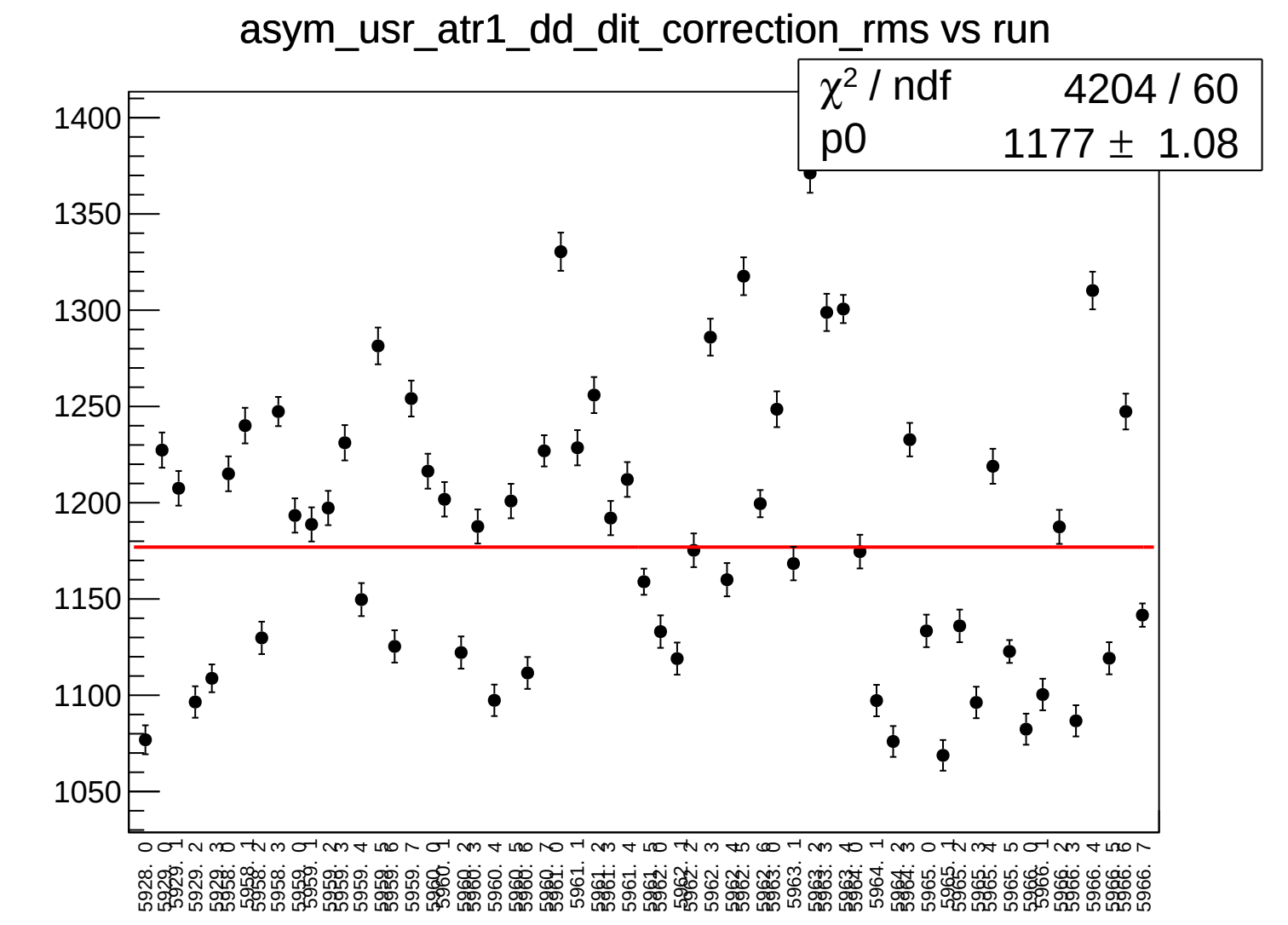

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 50.26 / 60
p0 2457 ± 1737
pull
Entries 61
Mean 27.35
Std Dev 22.12

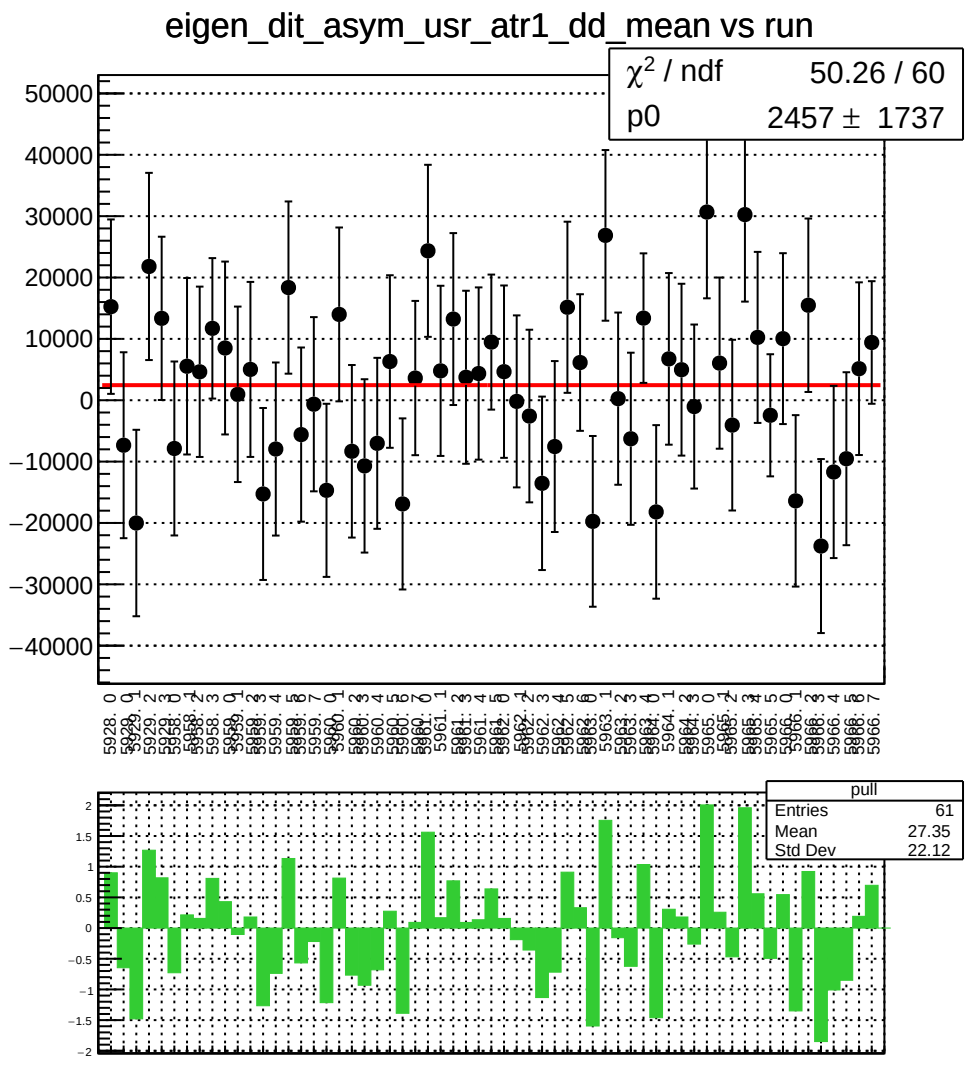

pull1D
Entries 61
Mean −0.01603
Std Dev 0.9075

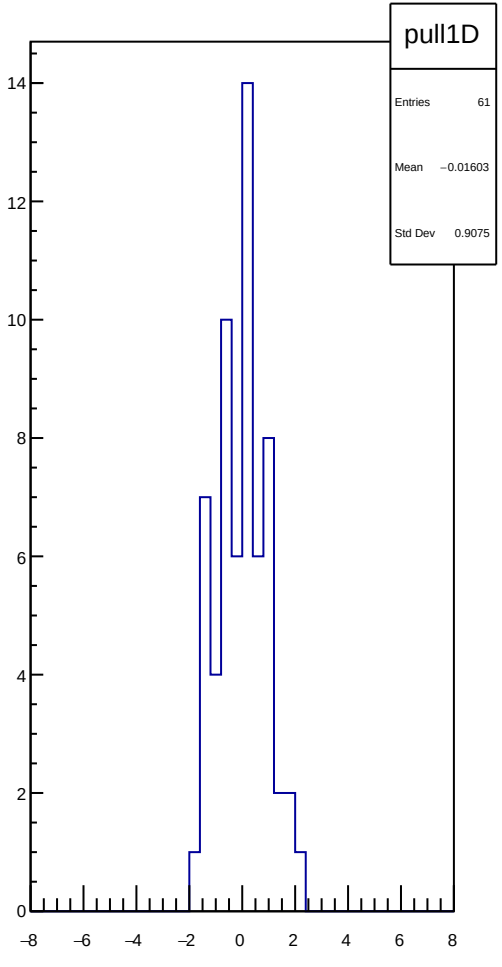

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 574.7 / 60
p0 1341 ± 1.228
1460
1440
1420
1400
1380
1360
1340
1320
1300

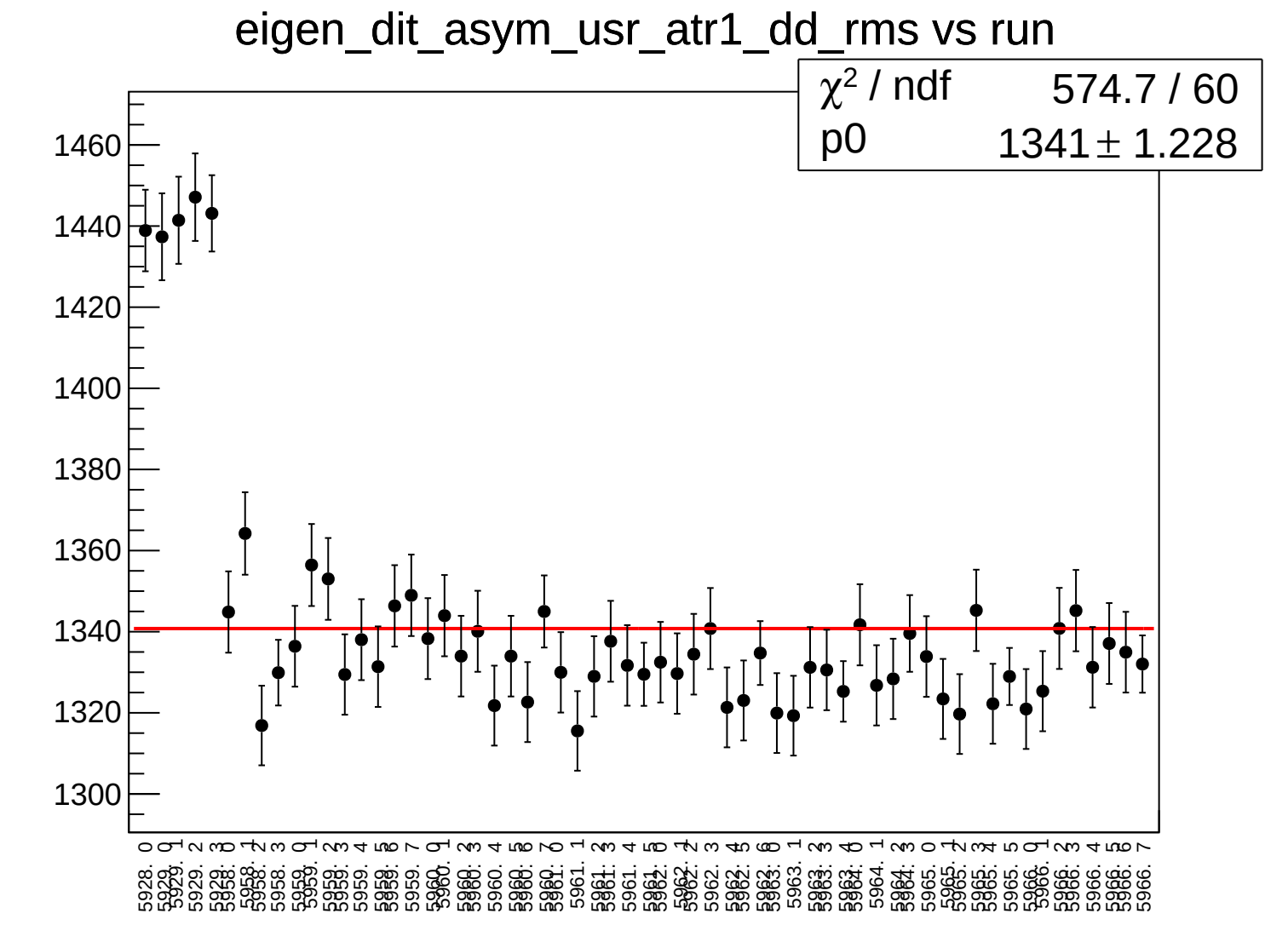

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 74.06 / 60
p0 1317 ± 1527
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 93.29
Std Dev 0
2
1
0
−1
−2
−3

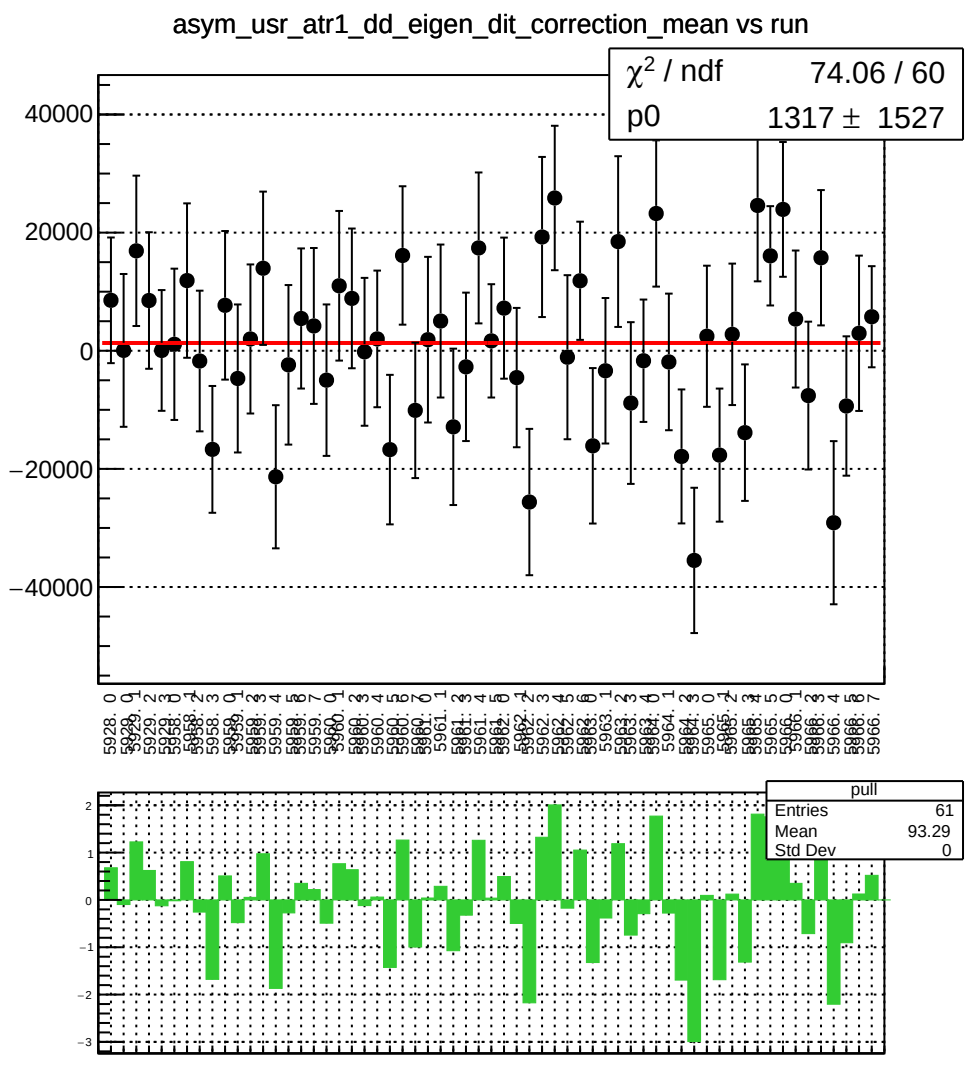

pull1D
Entries 61
Mean −0.01533
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

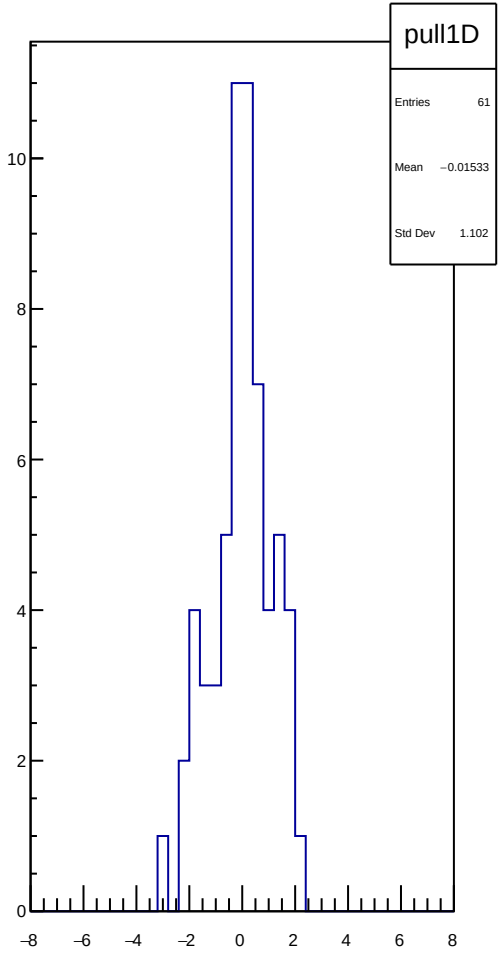

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4204 / 60
p0 1177 ± 1.08
1400
1350
1300
1250
1200
1150
1100
1050

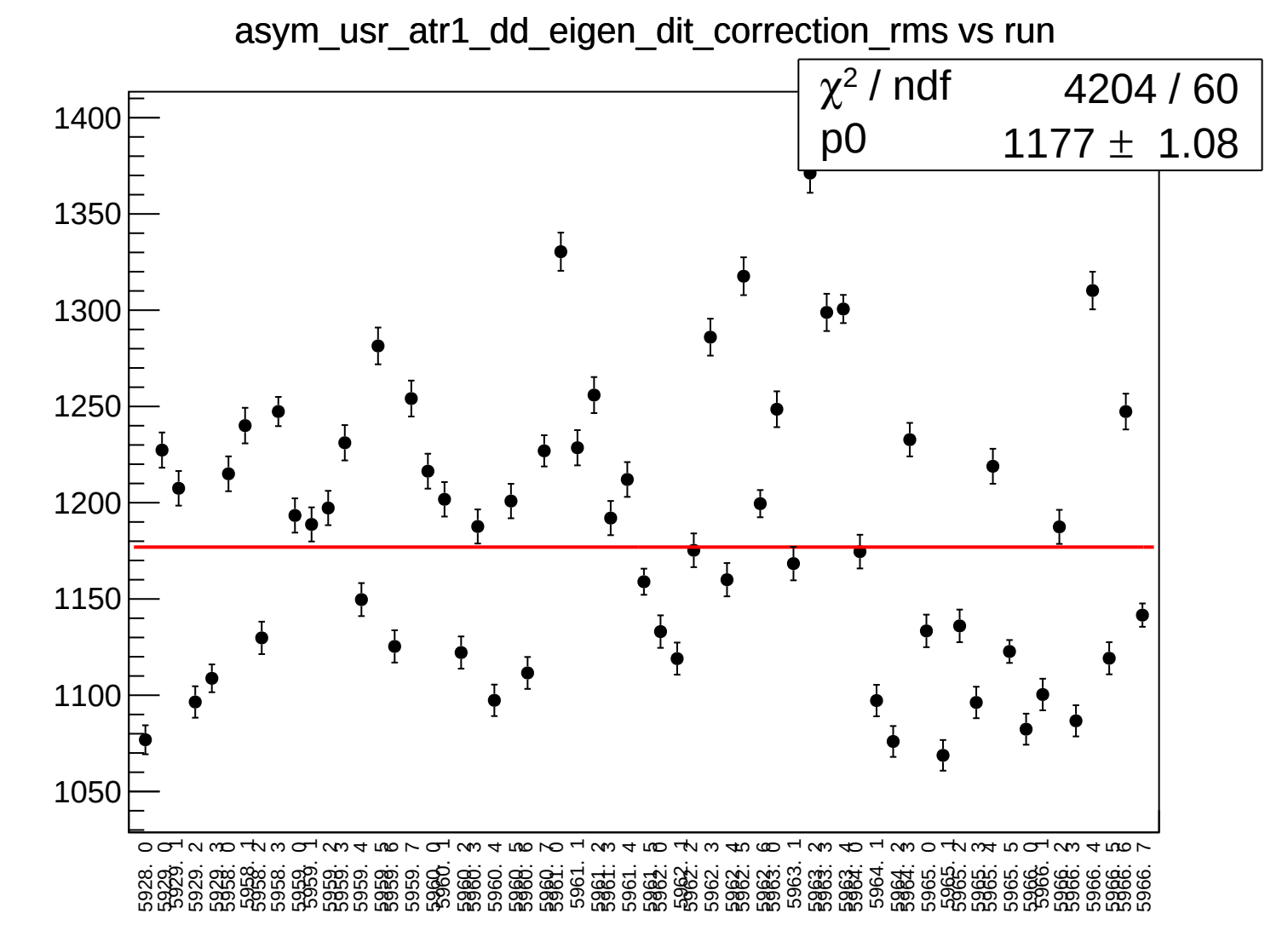

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 50.26 / 60
p0 2457 ± 1737
pull
Entries 61
Mean 27.35
Std Dev 22.12

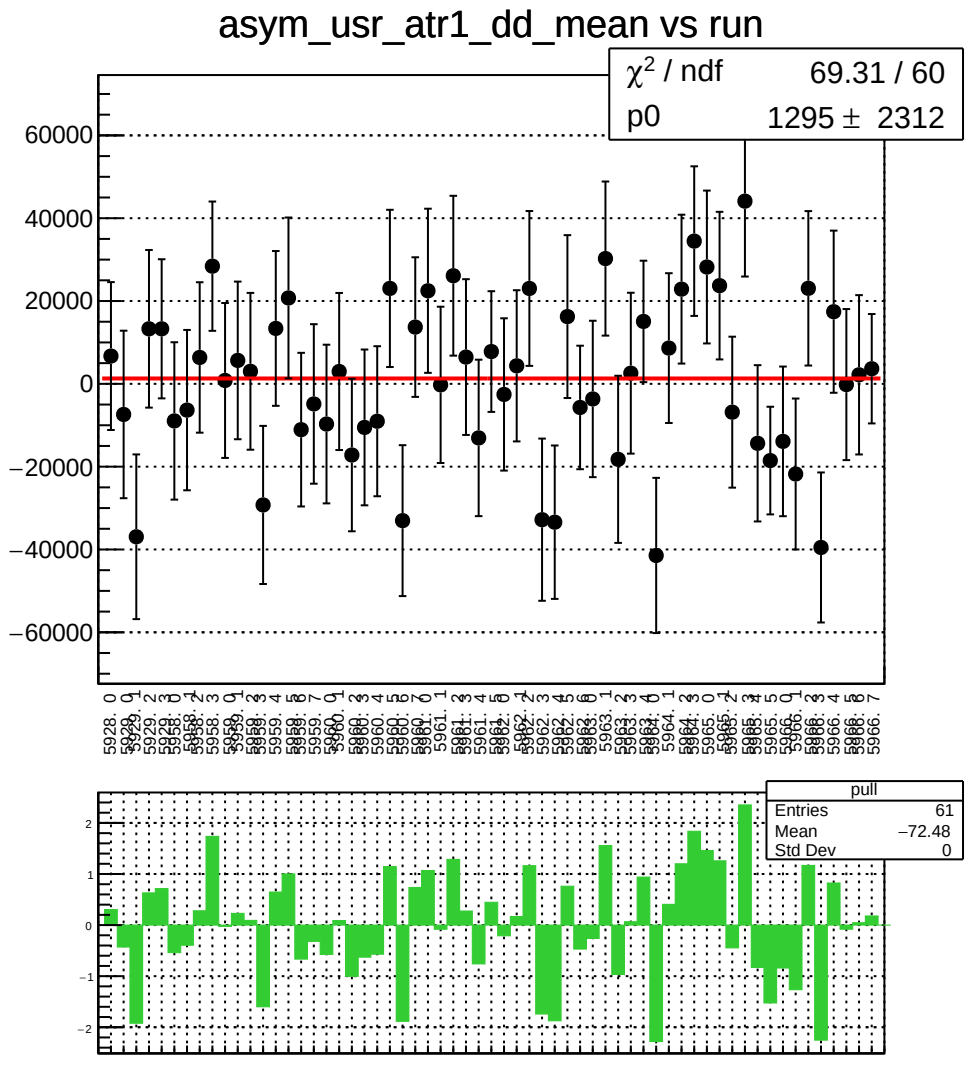

pull1D
Entries 61
Mean −0.01603
Std Dev 0.9075

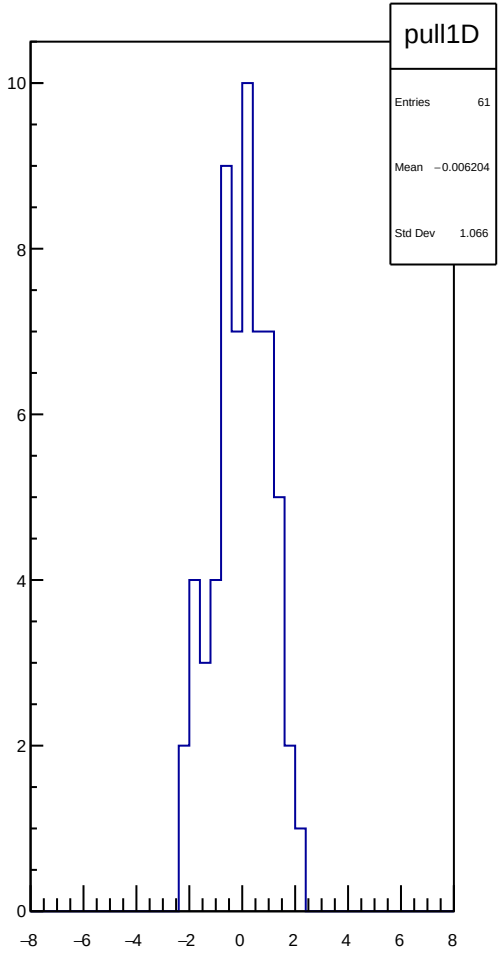

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 574.7 / 60
p0 1341 ± 1.228
1460
1440
1420
1400
1380
1360
1340
1320
1300

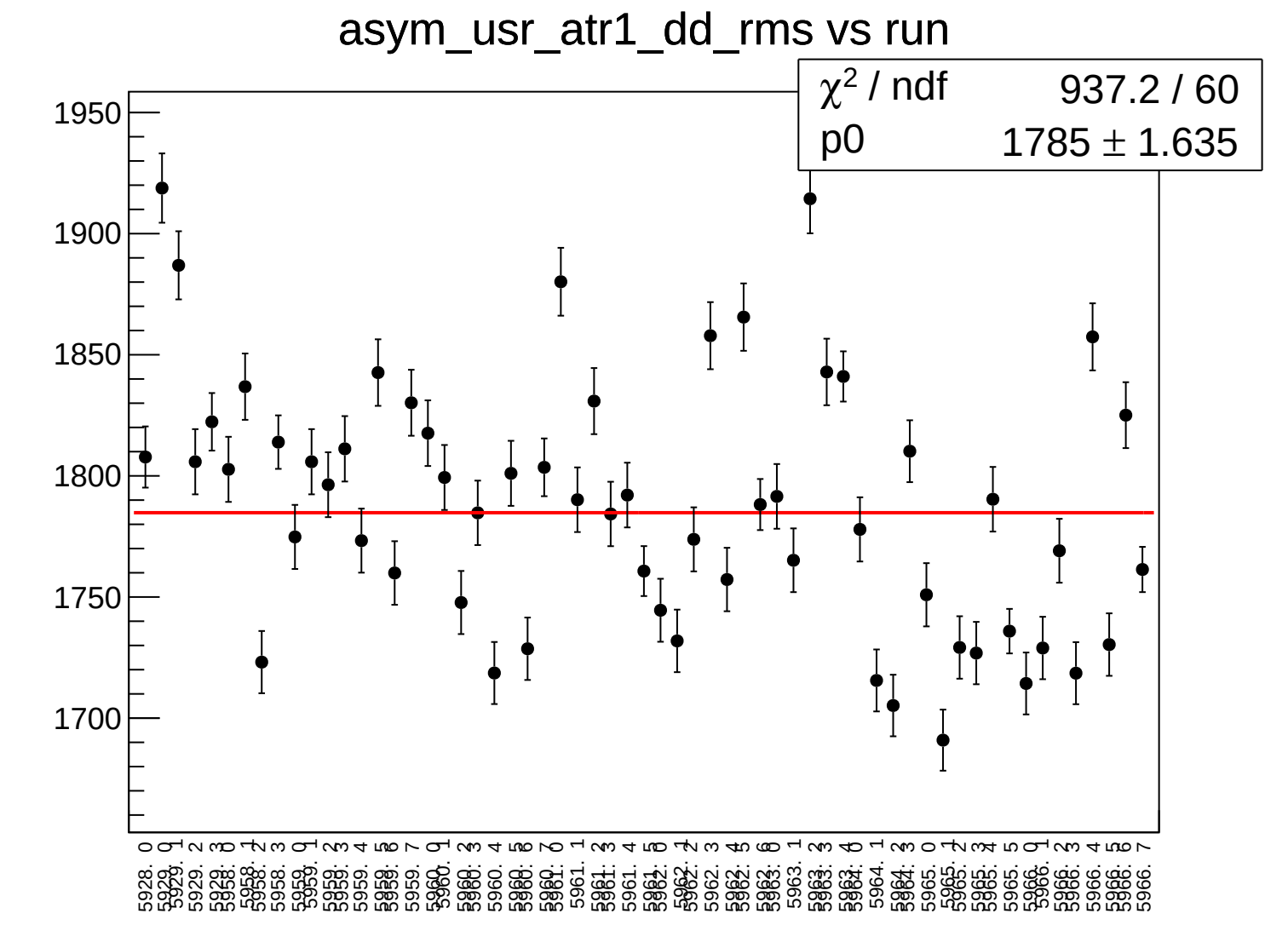

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.06 / 60
p0 1317 ± 1527
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 93.29
Std Dev 0
2
1
0
−1
−2
−3

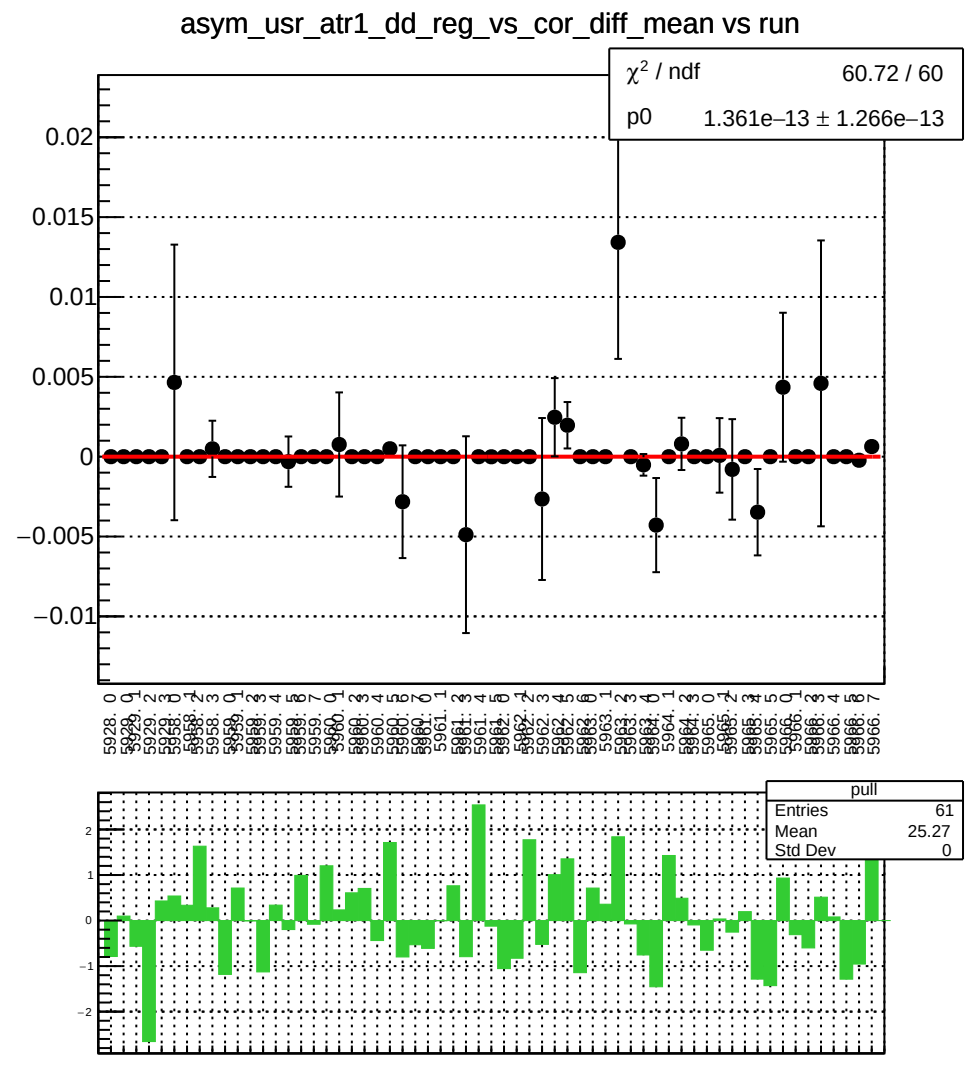

pull1D
Entries 61
Mean −0.01533
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

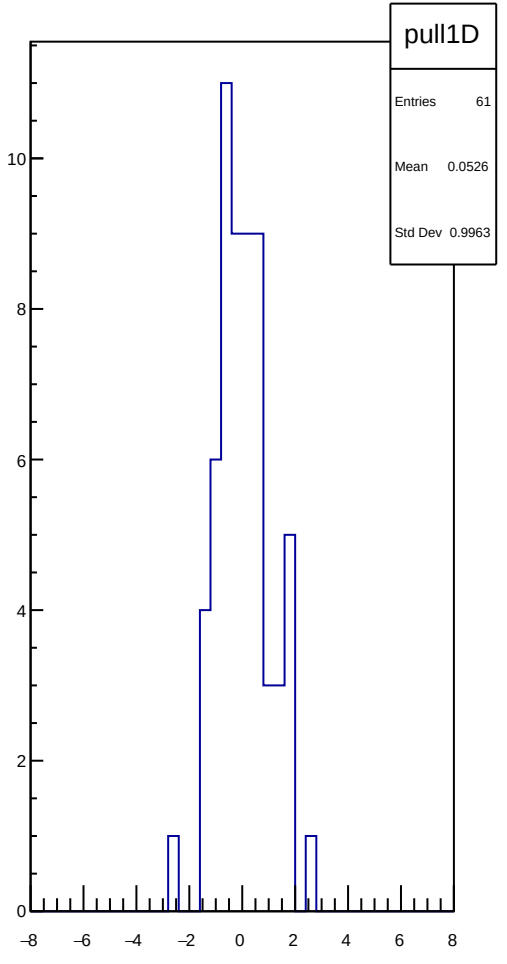

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4204 / 60
p0 1177 ± 1.08
1400
1350
1300
1250
1200
1150
1100
1050

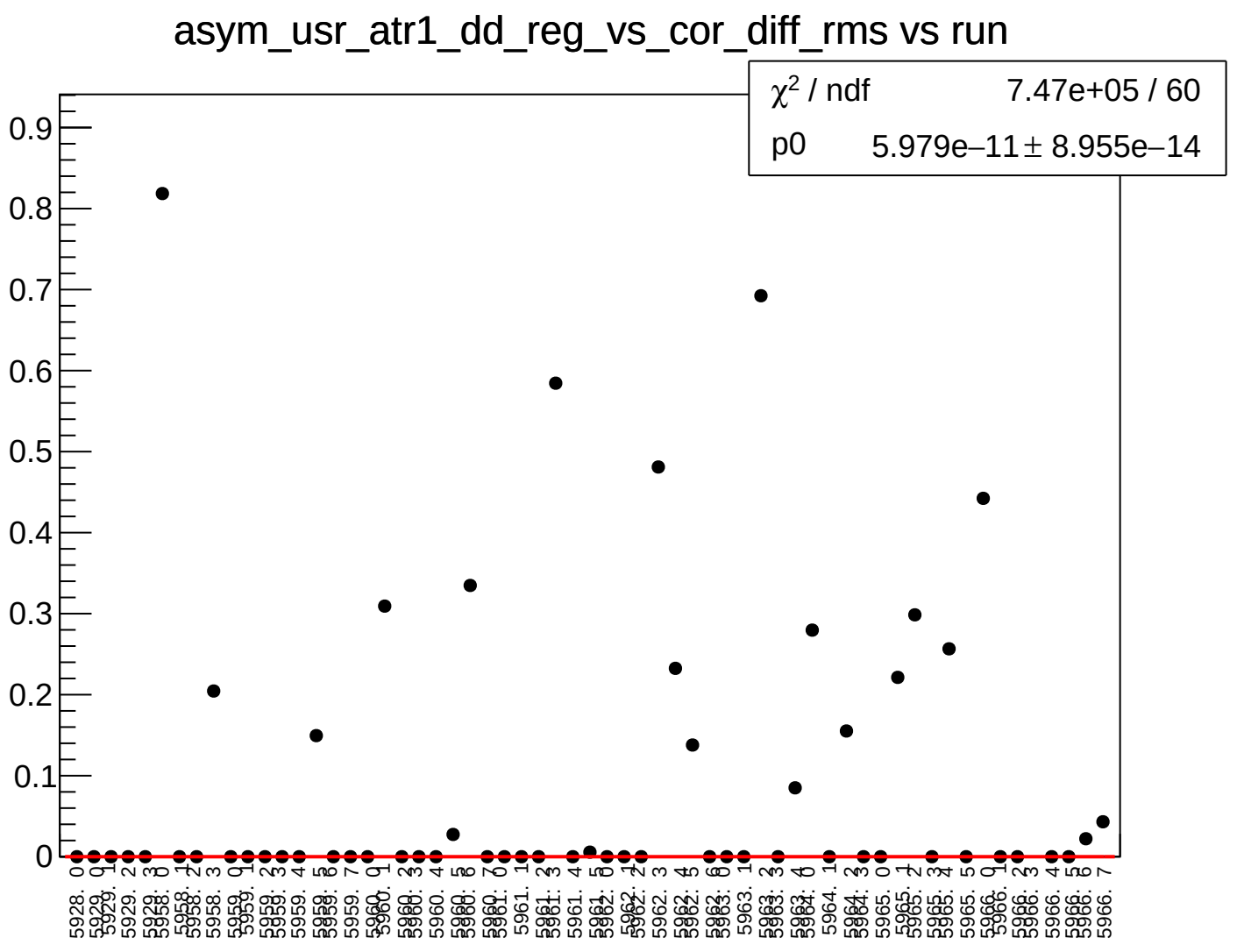

asym_usr_atr1_dd_mean vs run
χ^2 / ndf 69.31 / 60
p0 1295 ± 2312
pull
Entries 61
Mean −72.48
Std Dev 0

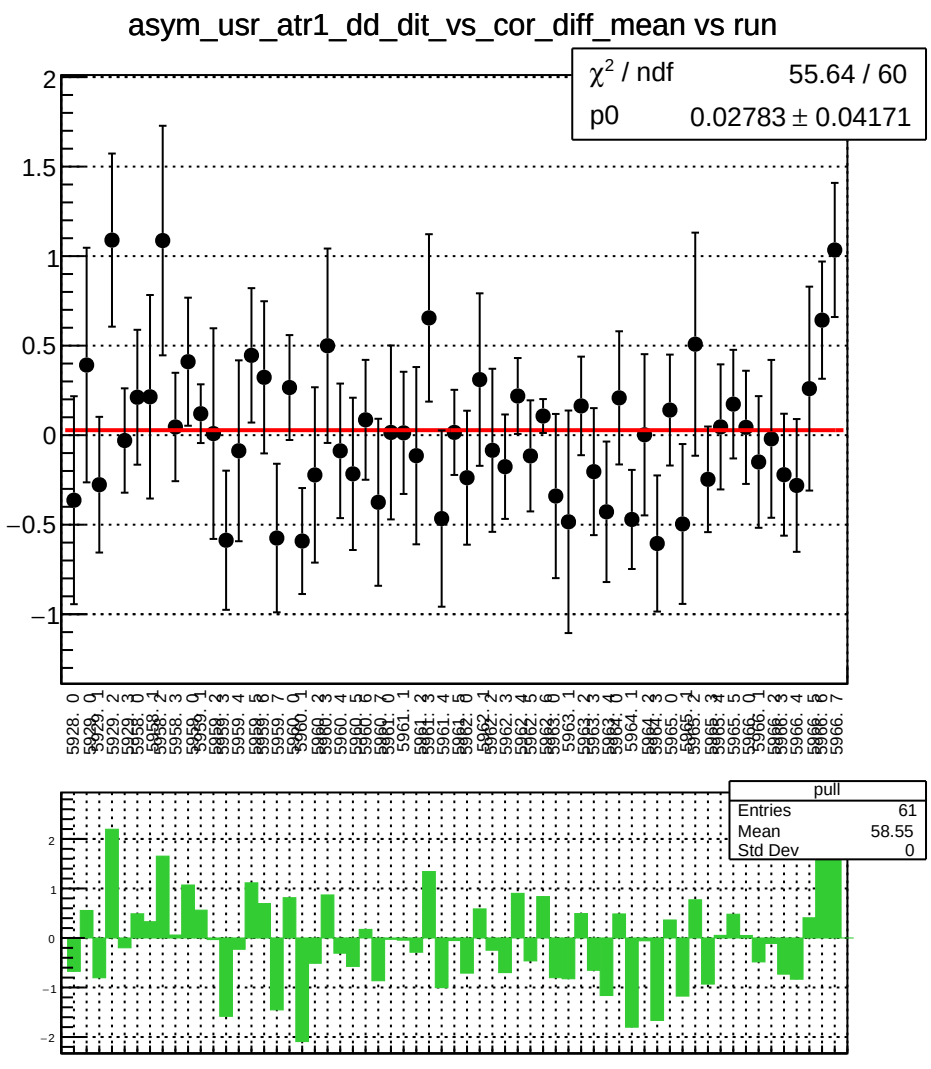

pull1D
Entries 61
Mean −0.006204
Std Dev 1.066

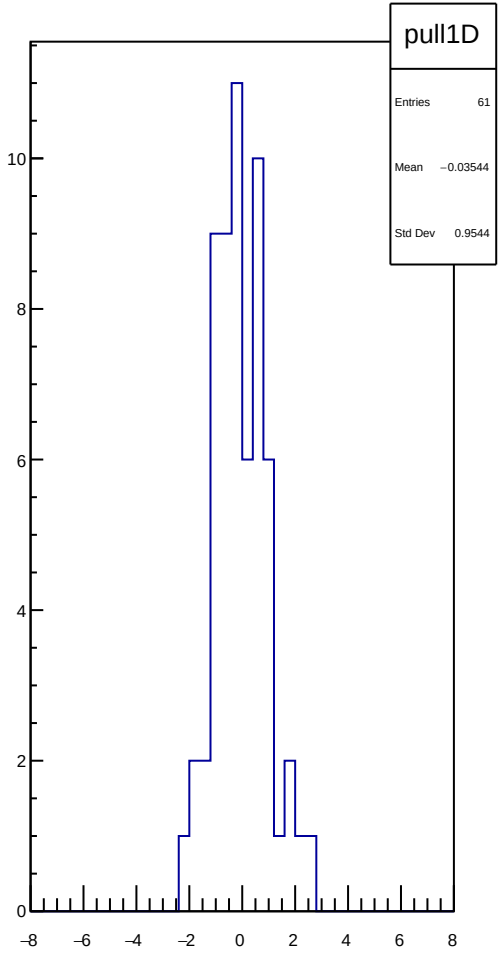

asym_usr_atr1_dd_rms vs run
χ² / ndf 937.2 / 60
p0 1785 ± 1.635
1950
1900
1850
1800
1750
1700

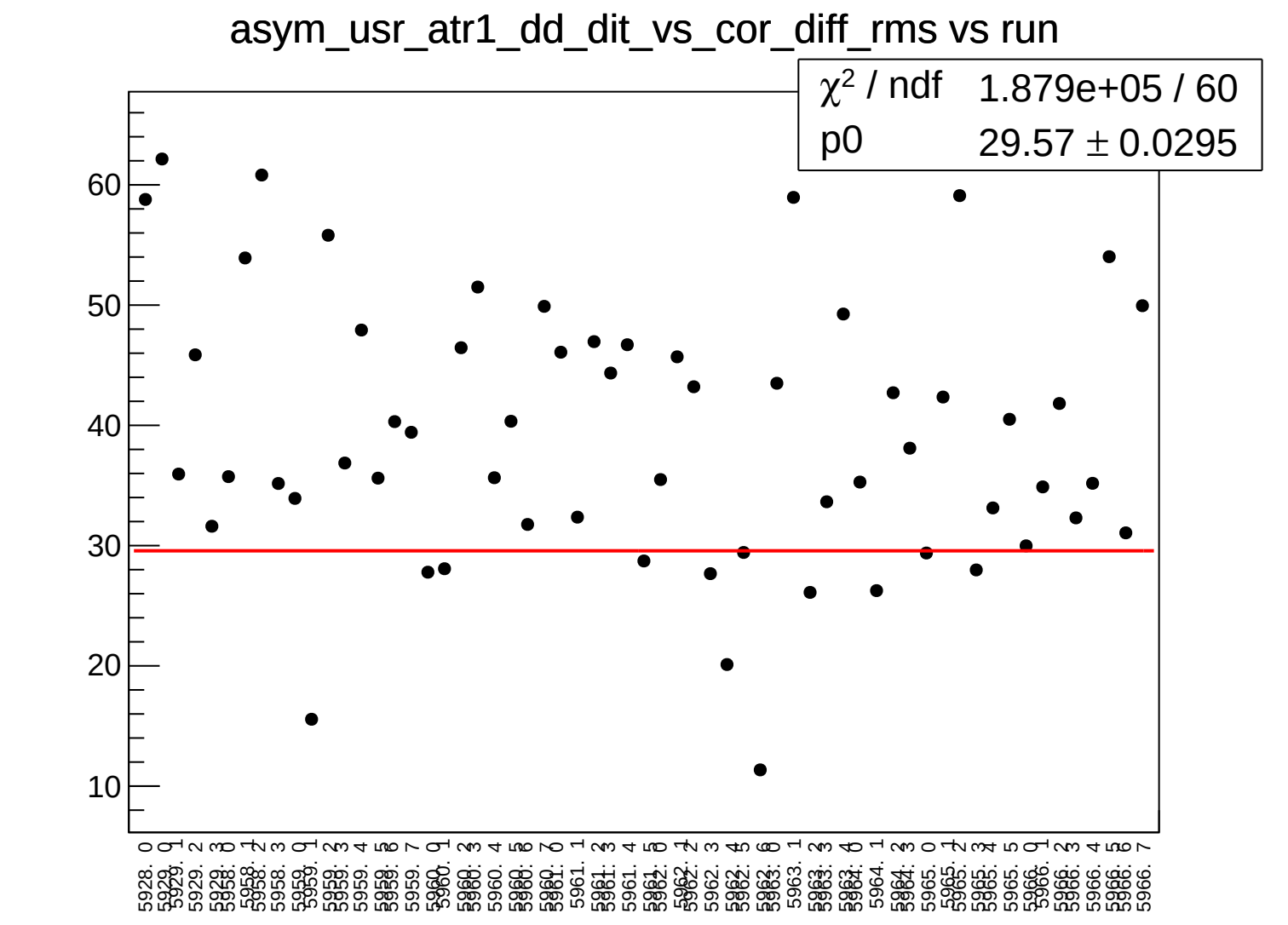

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.72 / 60
p0 1.361e−13 ± 1.266e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 61
Mean 25.27
Std Dev 0

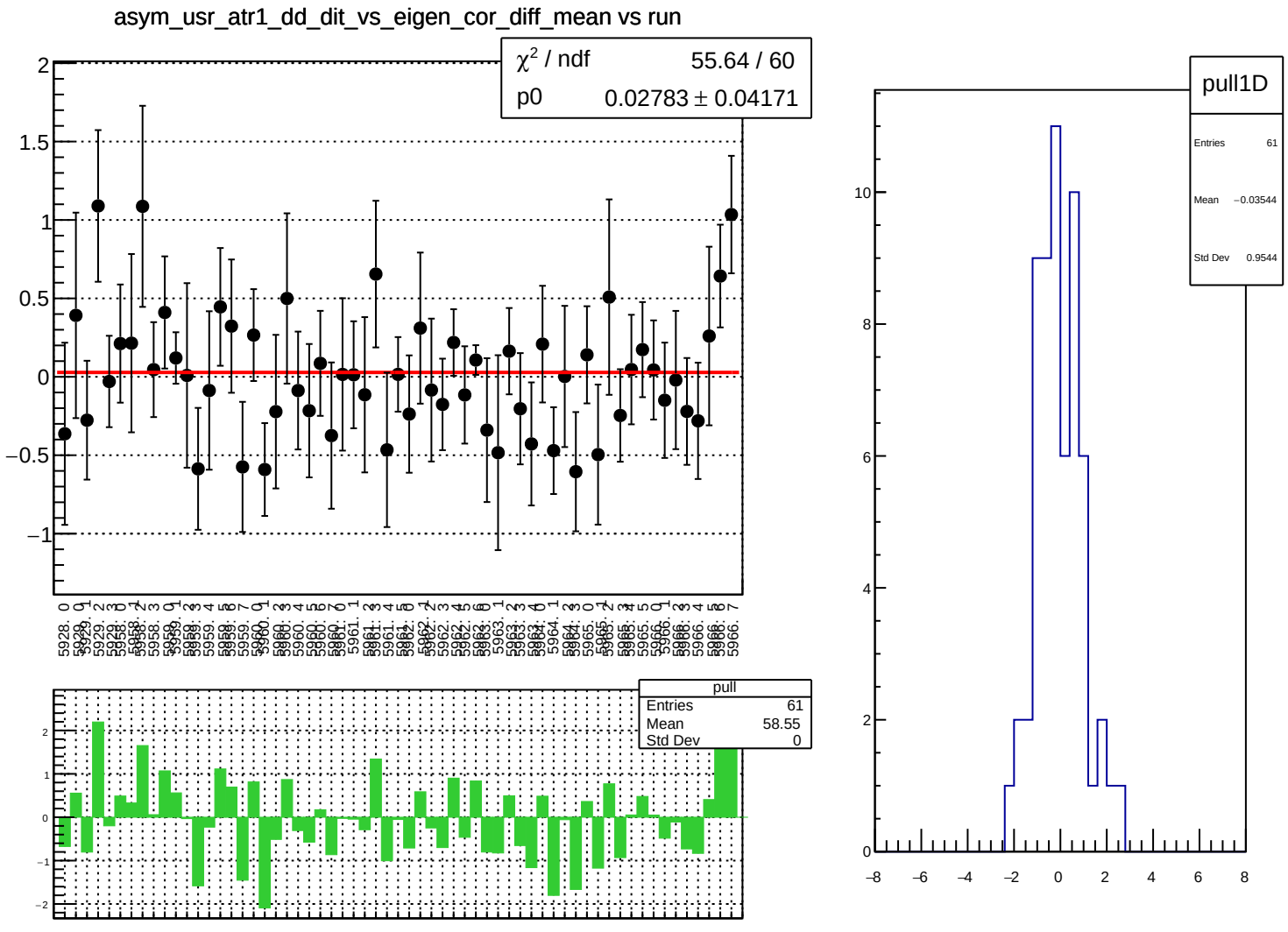

pull1D
Entries 61
Mean 0.0526
Std Dev 0.9963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

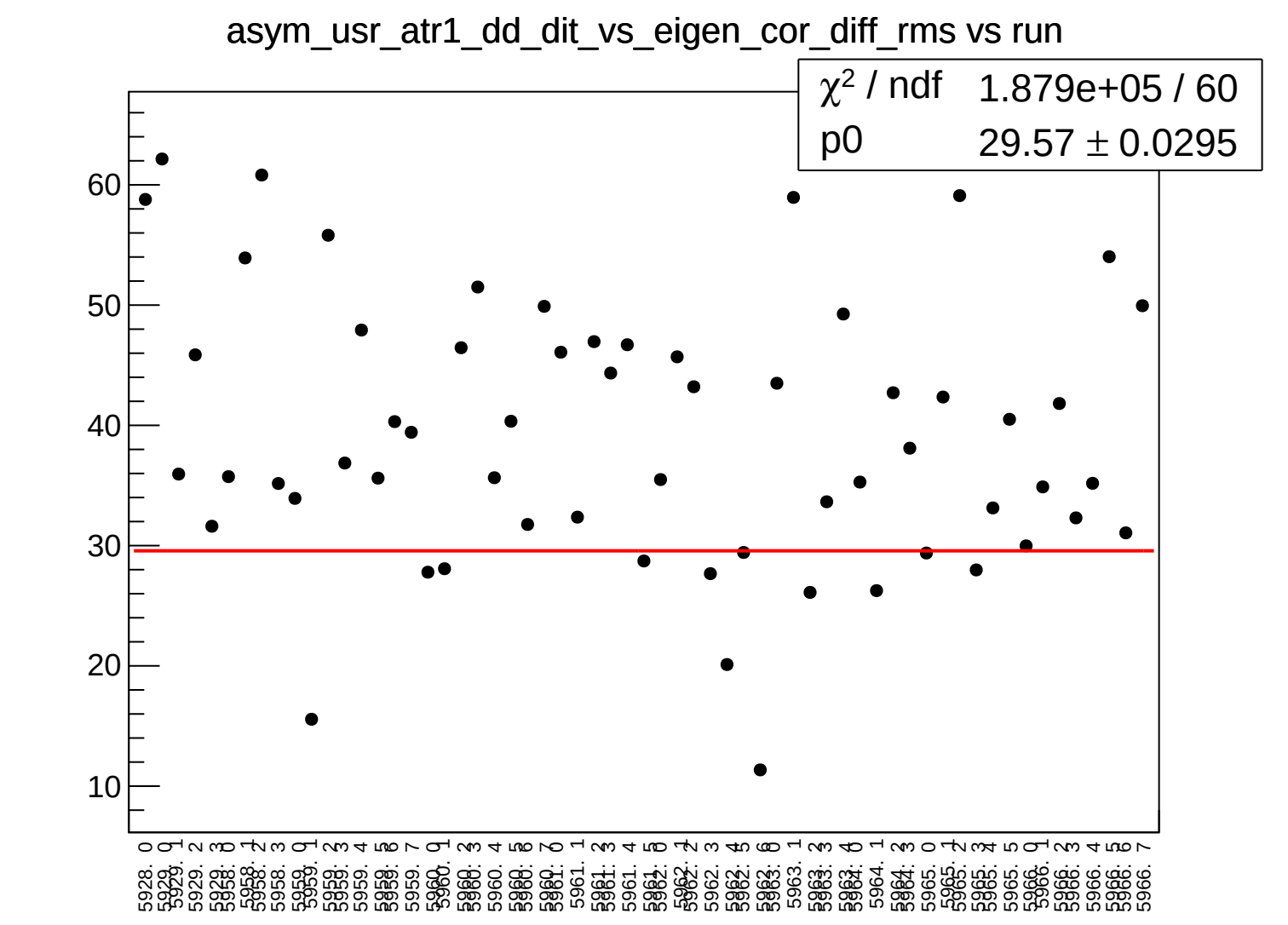

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.47e+05 / 60
p0 5.979e−11 ± 8.955e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

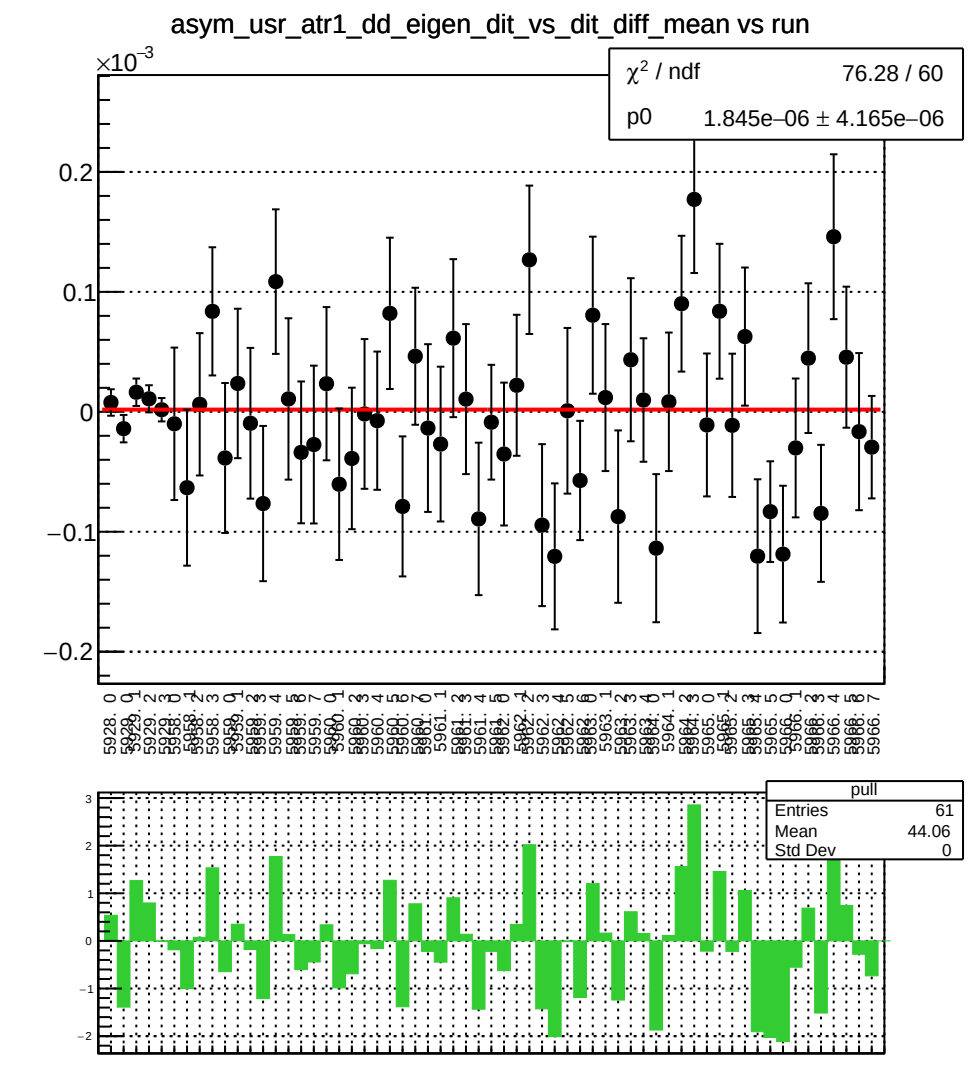

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 55.64 / 60
p0 0.02783 ± 0.04171
pull
Entries 61
Mean 58.55
Std Dev 0

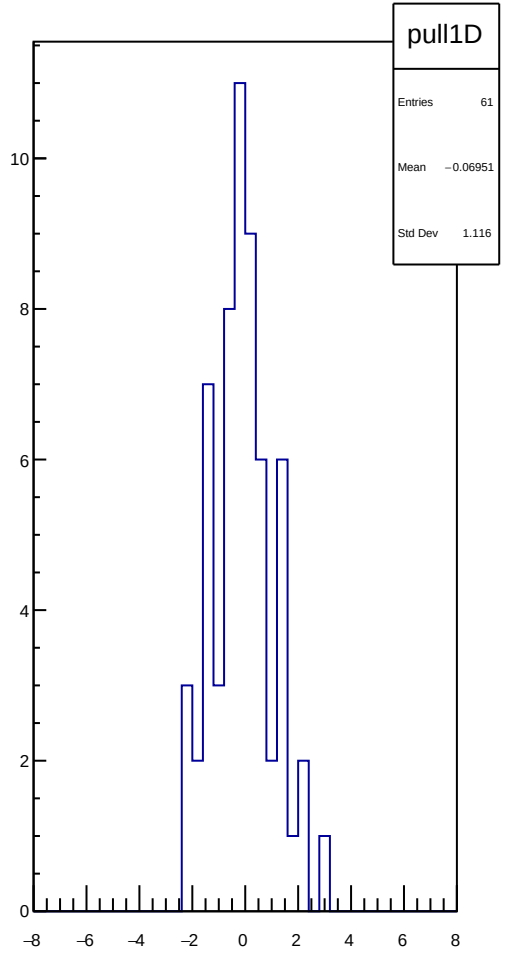

pull1D
Entries 61
Mean −0.03544
Std Dev 0.9544

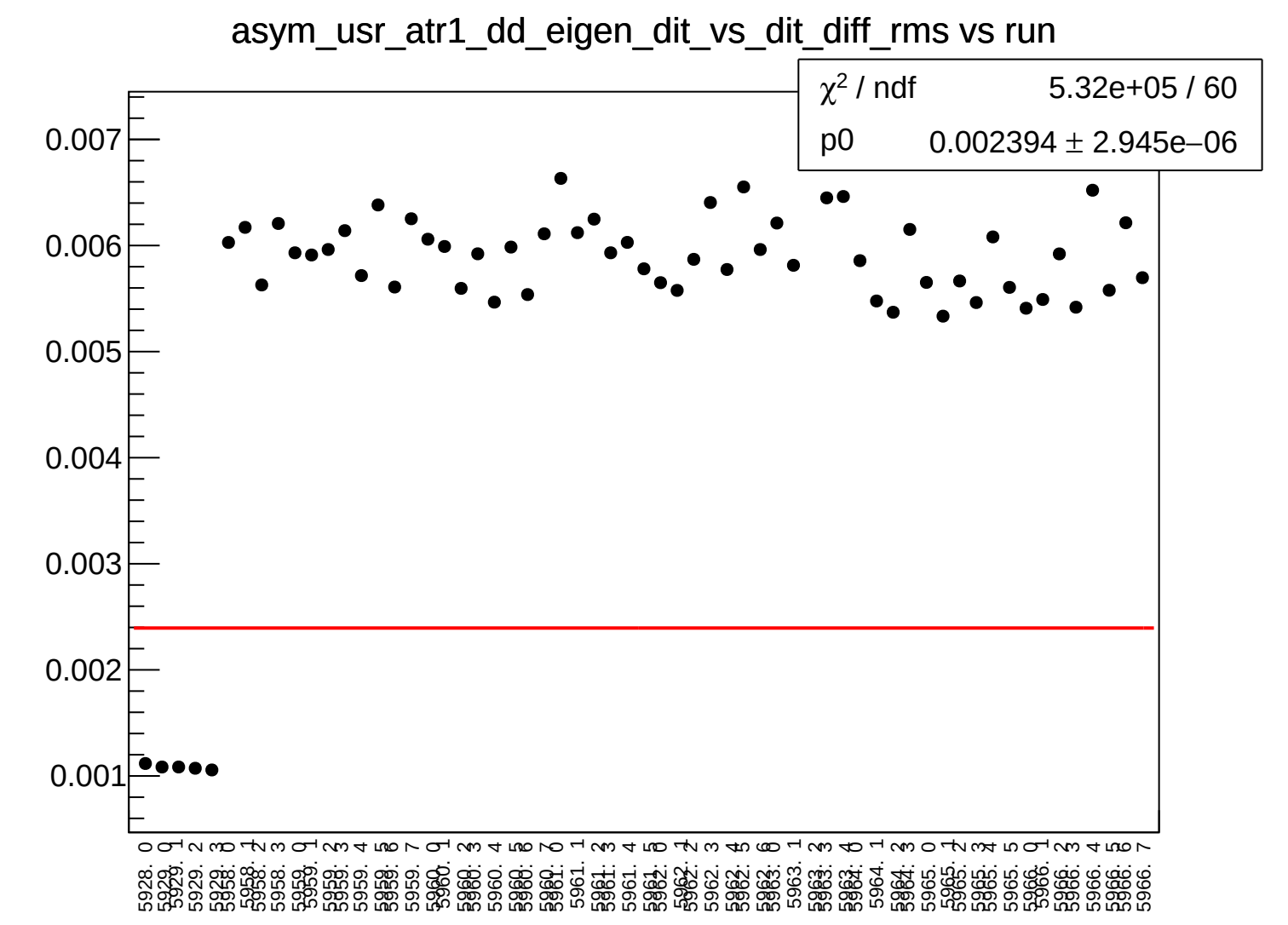

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.879e+05 / 60
p0 29.57 ± 0.0295
60
50
40
30
20
10

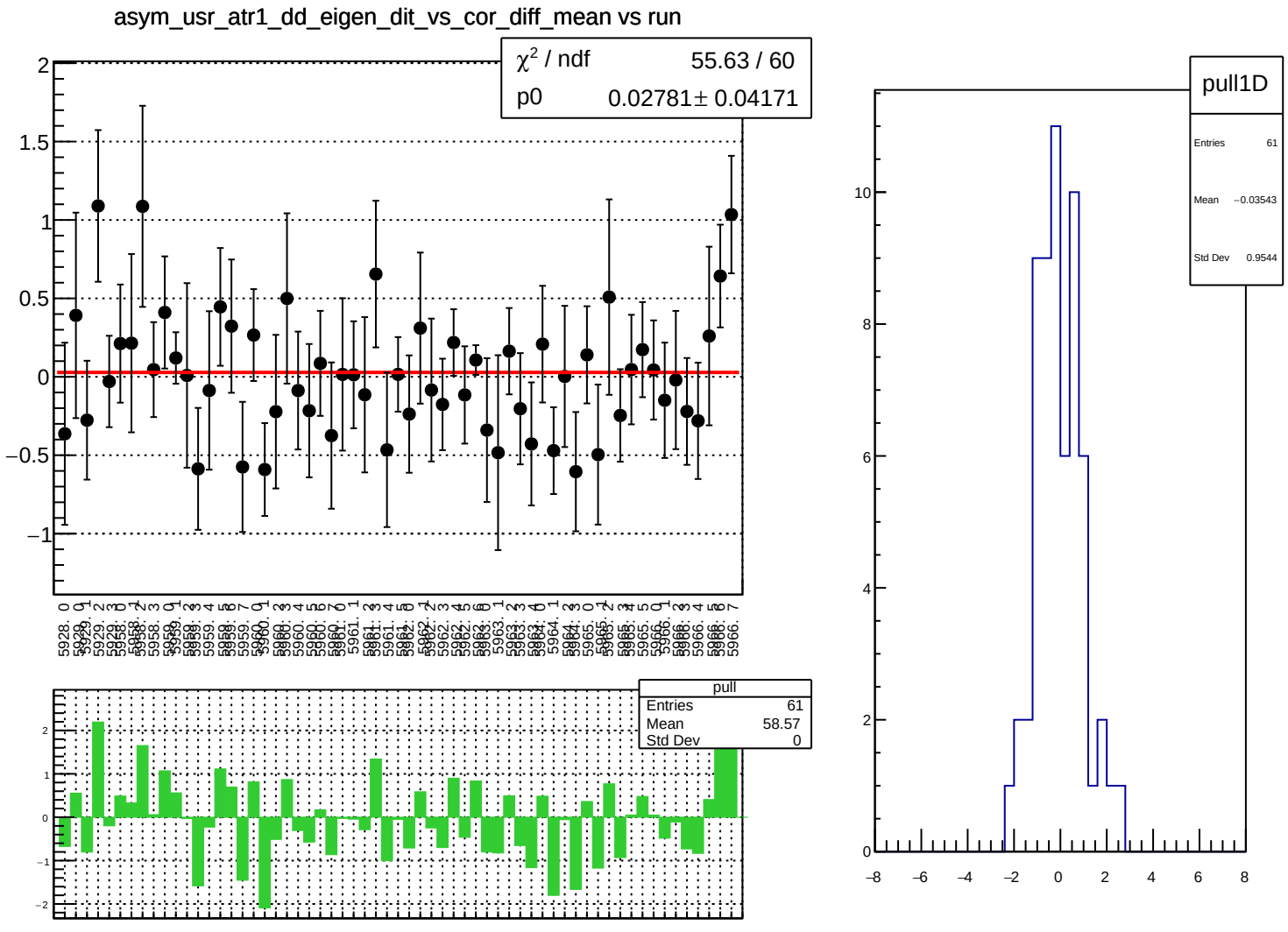

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.64 / 60
p0 0.02783 ± 0.04171
pull
Entries 61
Mean 58.55
Std Dev 0
pull1D
Entries 61
Mean −0.03544
Std Dev 0.9544

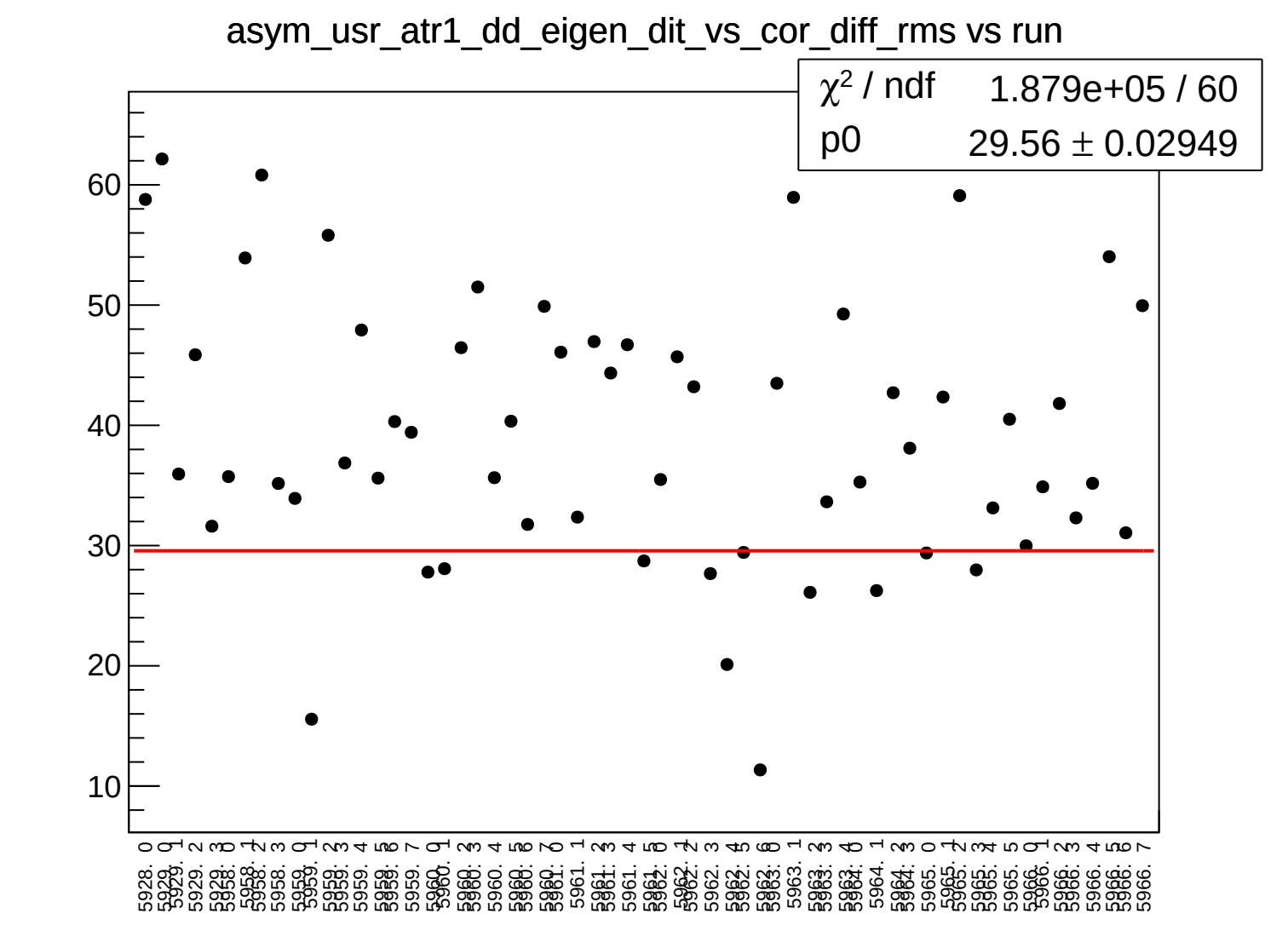

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.879e+05 / 60
p0 29.57 ± 0.0295
60
50
40
30
20
10

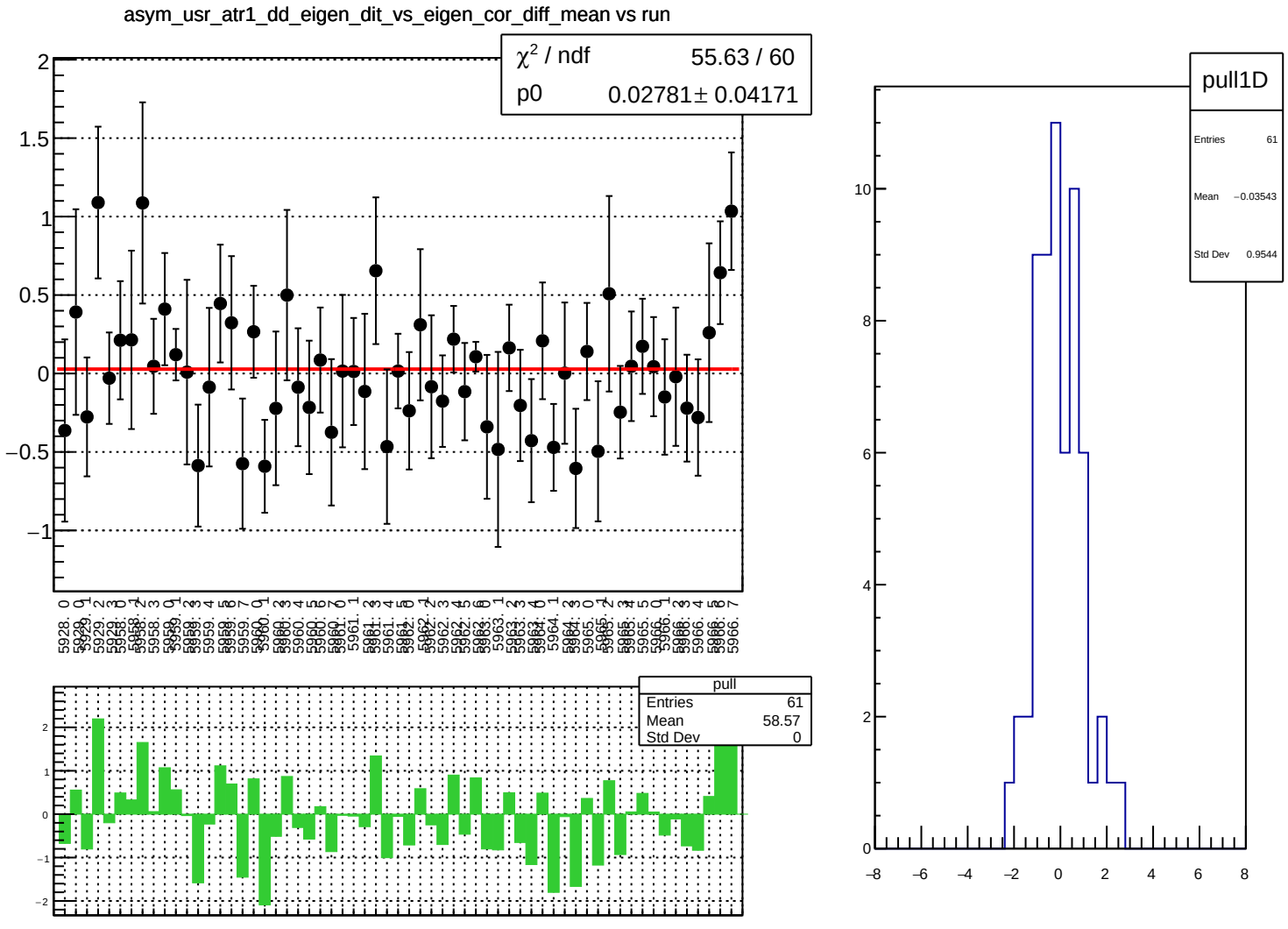

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.28 / 60
p0 1.845e−06 ± 4.165e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 61
Mean 44.06
Std Dev 0
3
2
1
0
−1
−2

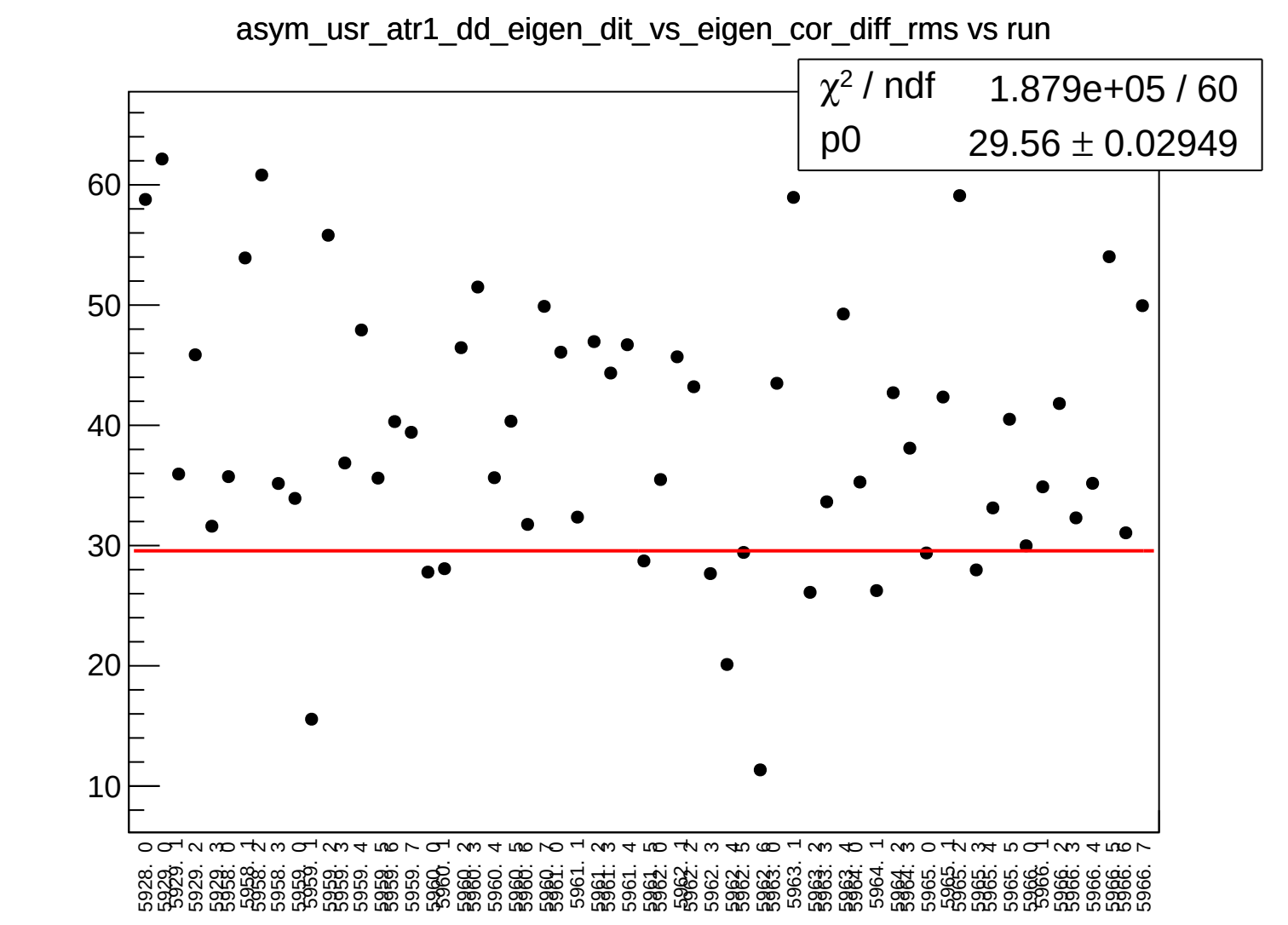

pull1D
Entries 61
Mean −0.06951
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

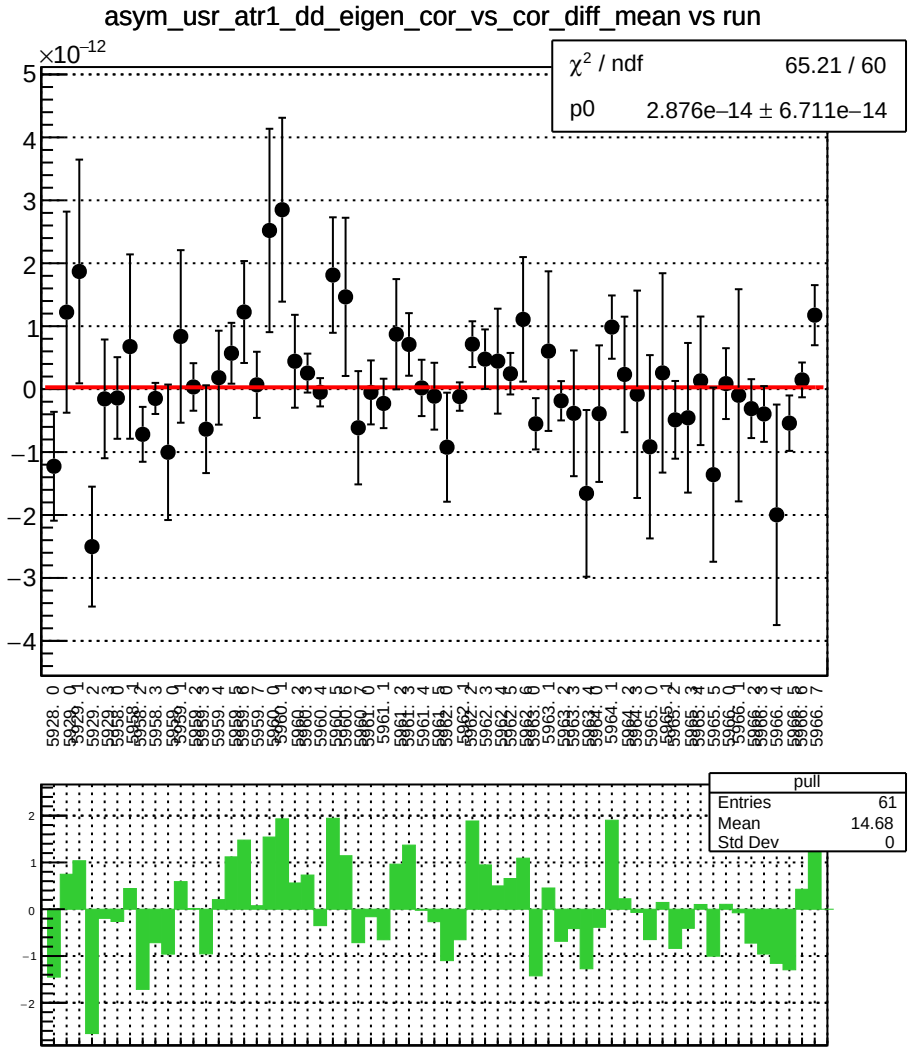

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.32e+05 / 60
p0 0.002394 ± 2.945e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001

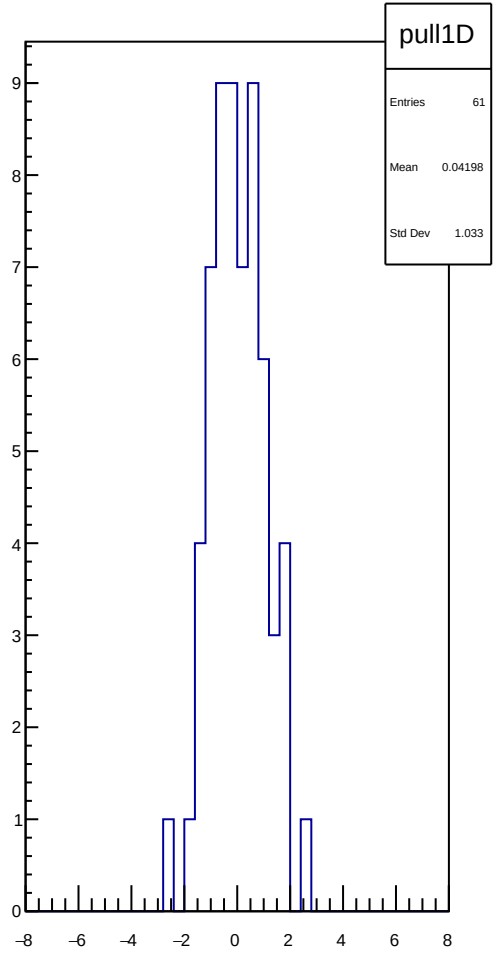

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.63 / 60
p0 0.02781± 0.04171
pull
Entries 61
Mean 58.57
Std Dev 0
pull1D
Entries 61
Mean −0.03543
Std Dev 0.9544

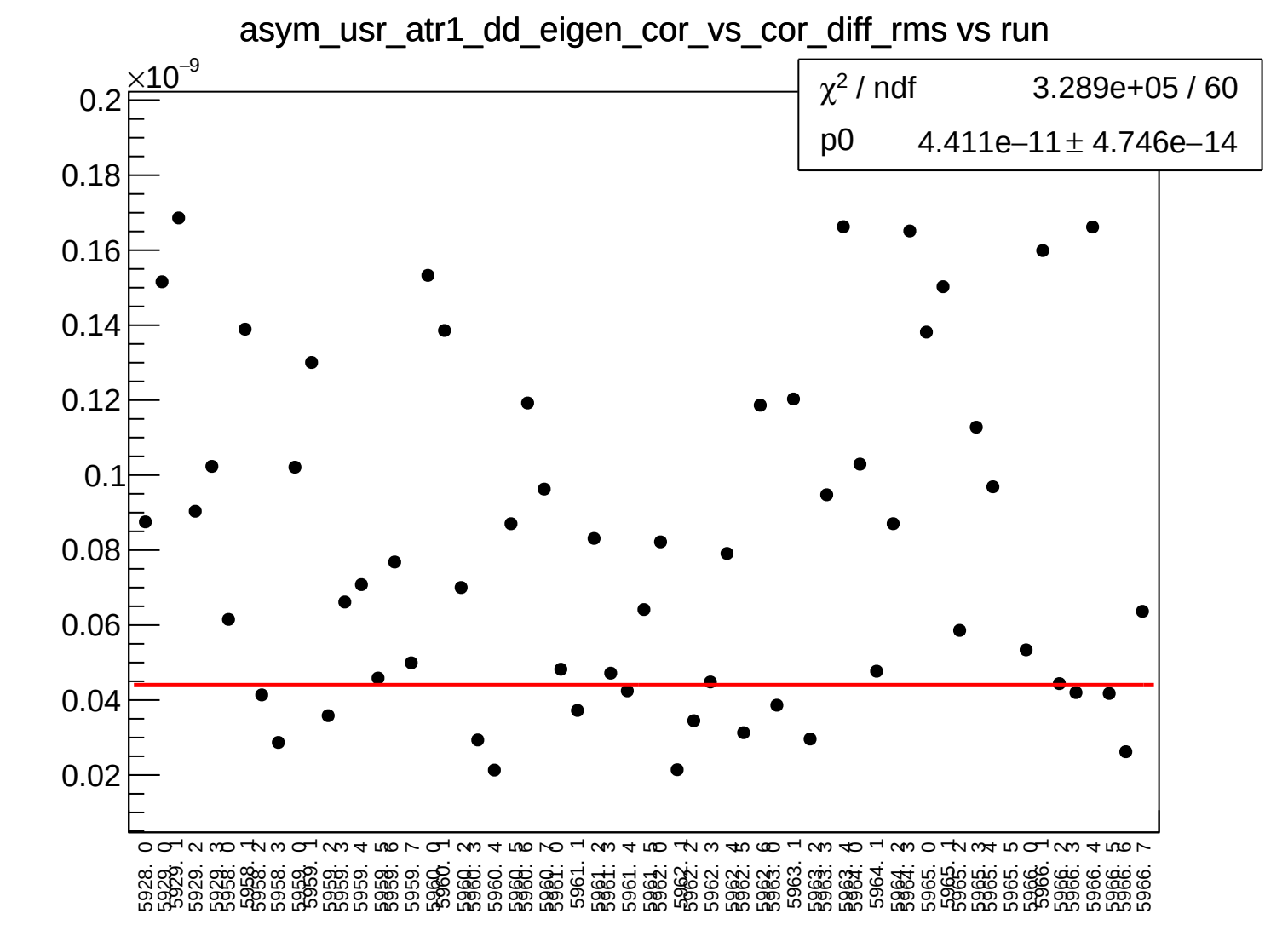

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.879e+05 / 60
p0 29.56 ± 0.02949
60
50
40
30
20
10

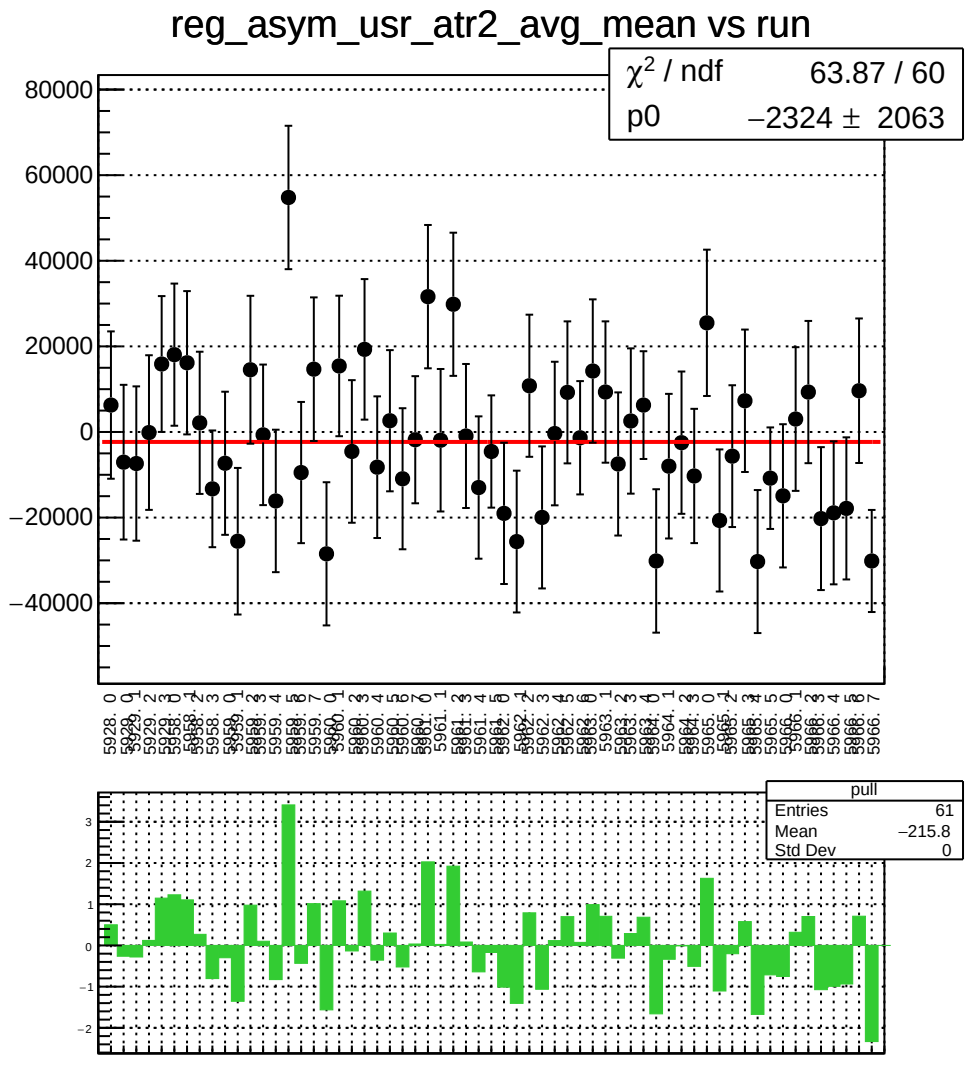

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.63 / 60
p0 0.02781± 0.04171
pull
Entries 61
Mean 58.57
Std Dev 0
pull1D
Entries 61
Mean −0.03543
Std Dev 0.9544

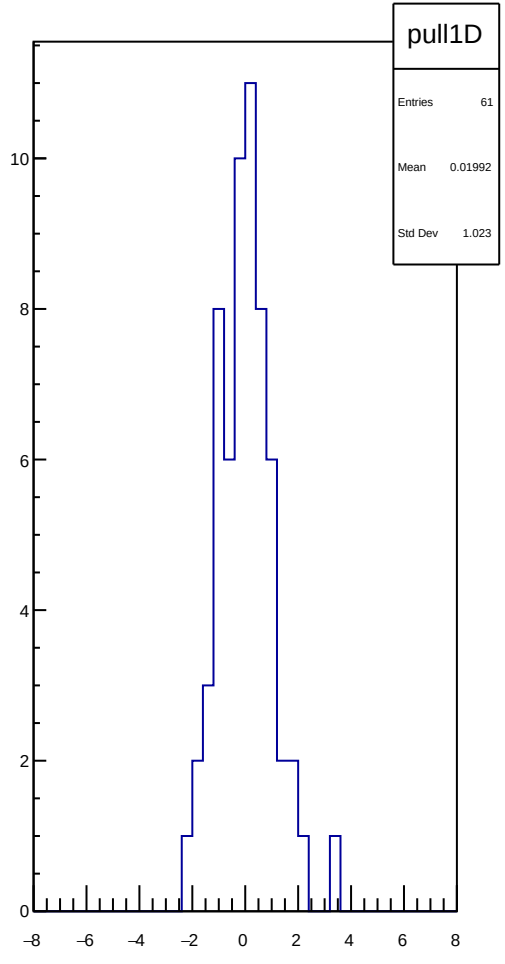

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.879e+05 / 60
p0 29.56 ± 0.02949
60
50
40
30
20
10

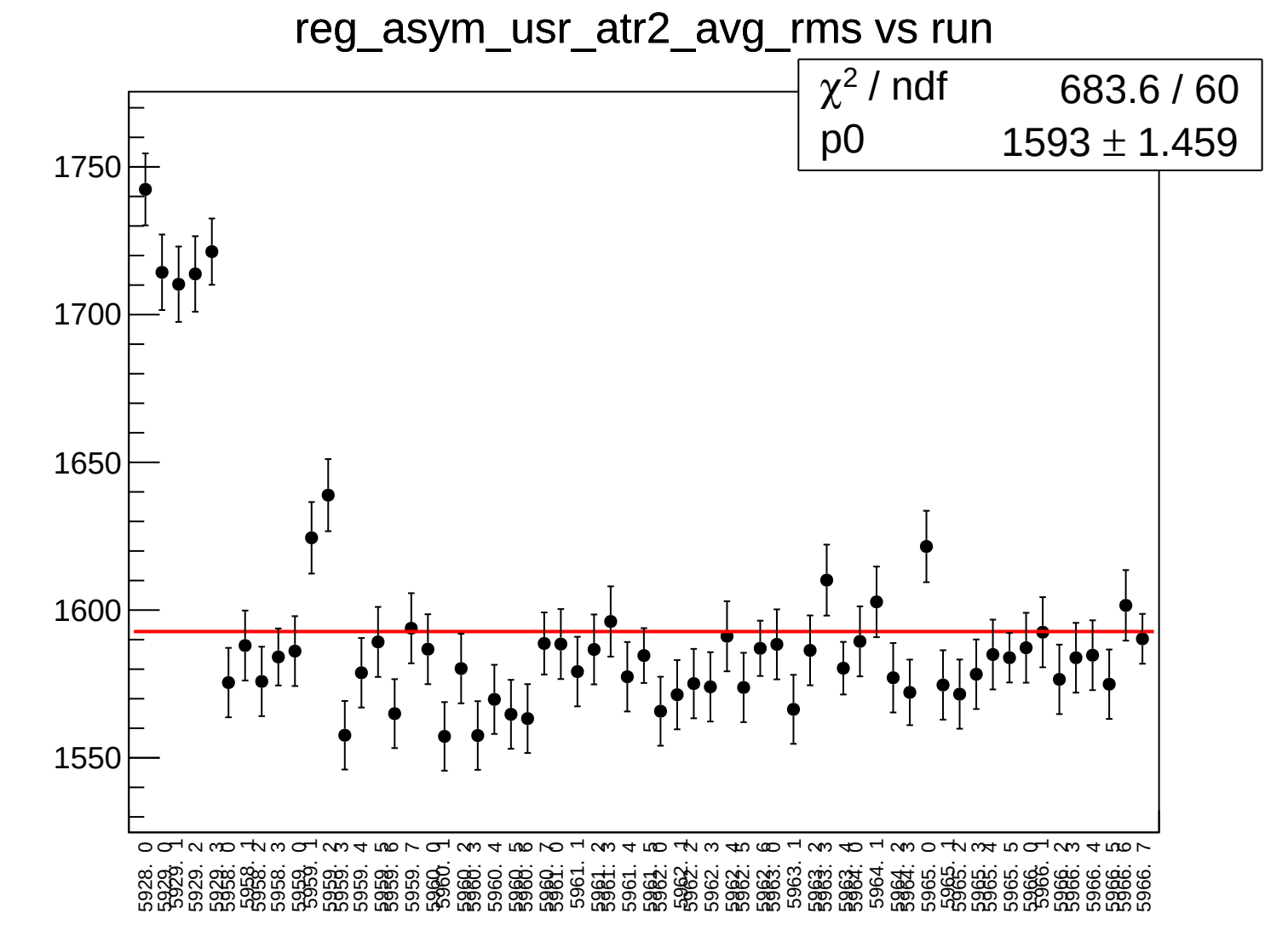

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.21 / 60
p0 2.876e−14 ± 6.711e−14
pull
Entries 61
Mean 14.68
Std Dev 0

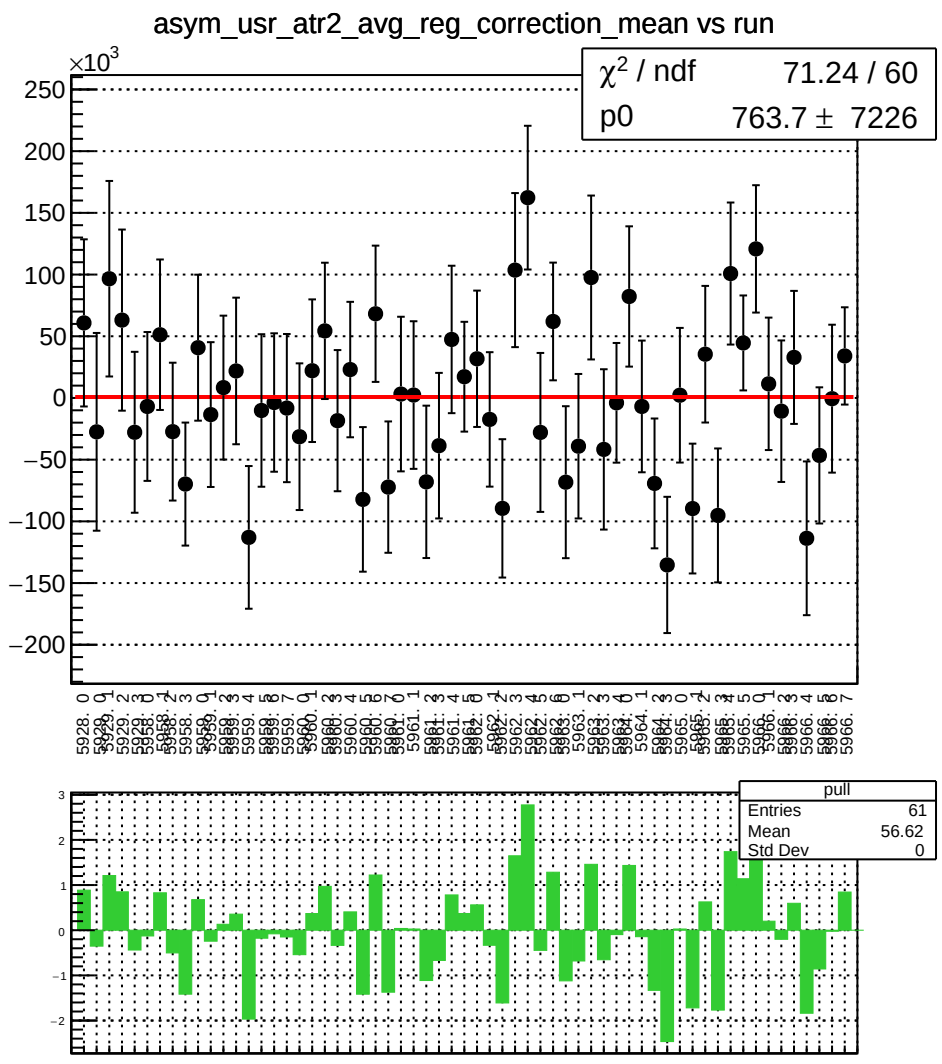

pull1D
Entries 61
Mean 0.04198
Std Dev 1.033

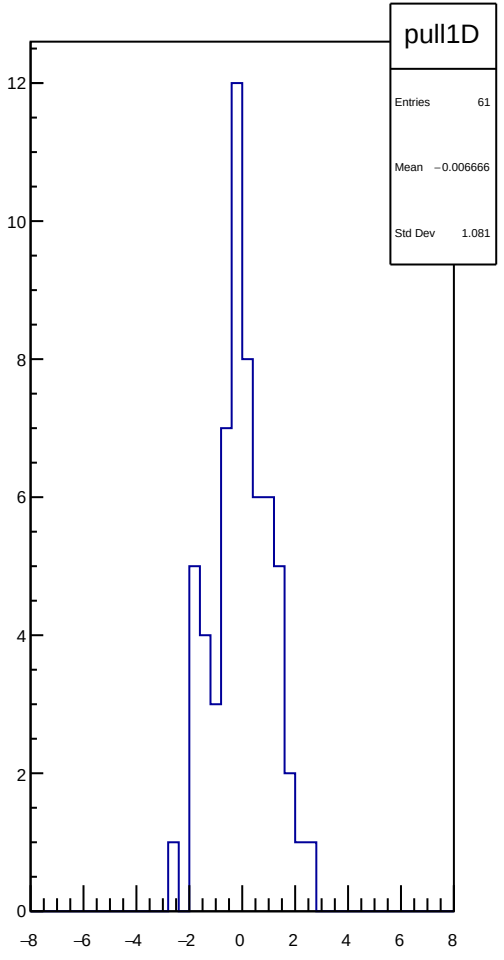

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.289e+05 / 60
p0 4.411e−11 ± 4.746e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

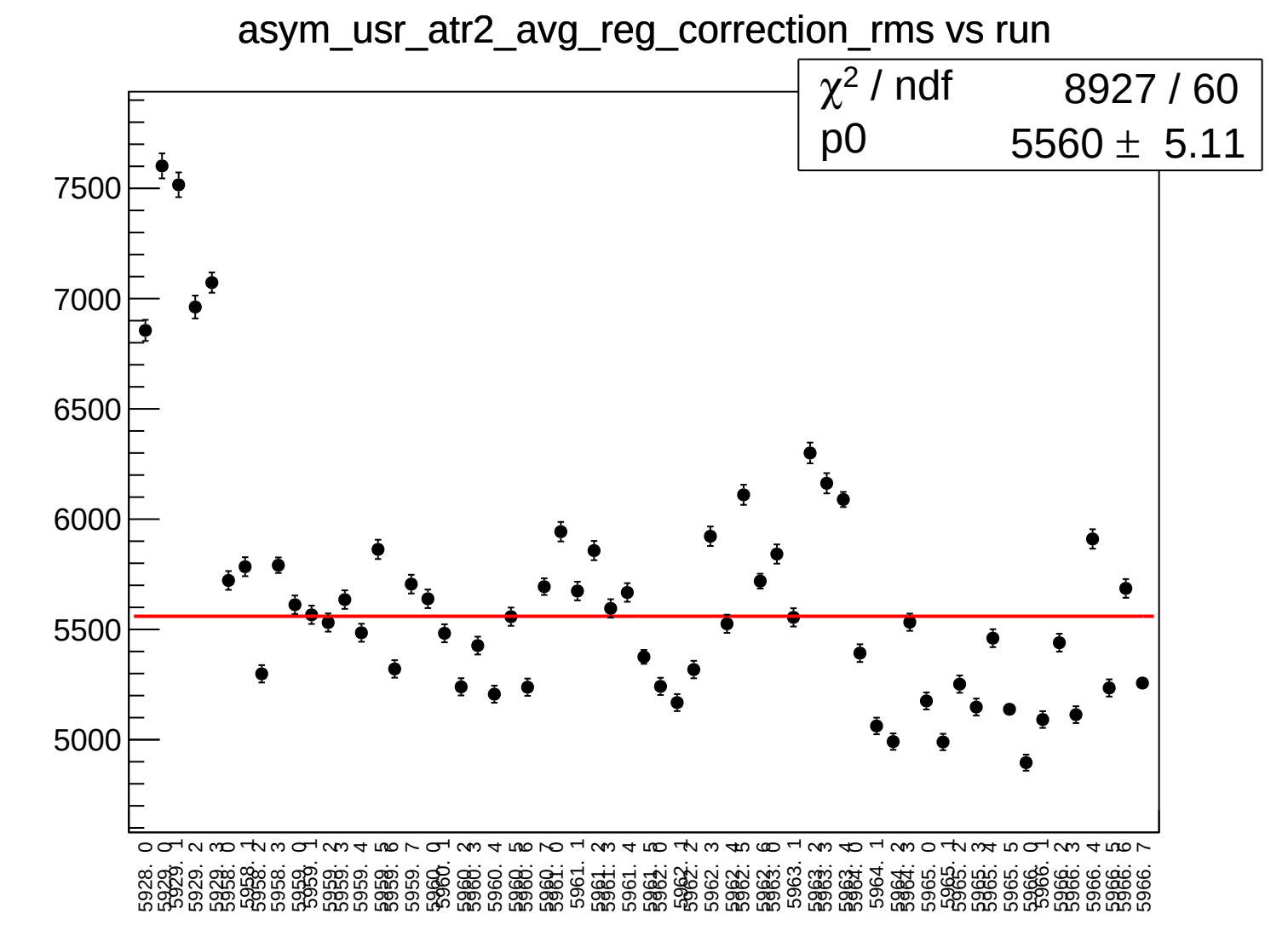

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 63.87 / 60
p0 −2324 ± 2063
pull
Entries 61
Mean −215.8
Std Dev 0

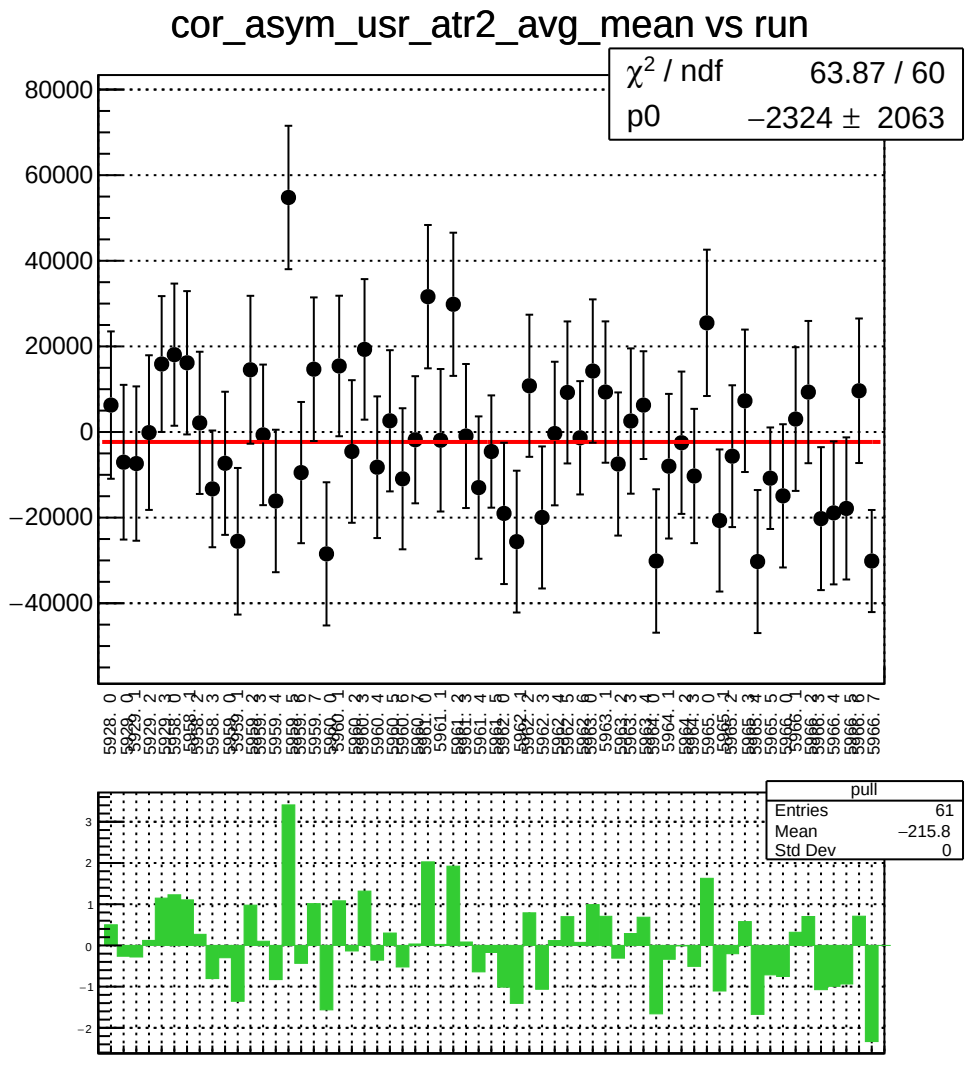

pull1D
Entries 61
Mean 0.01992
Std Dev 1.023

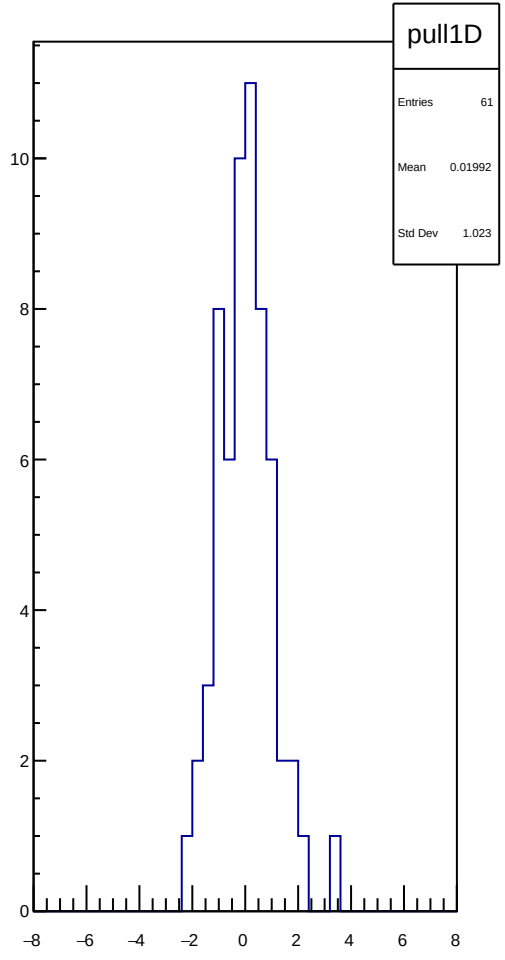

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 683.6 / 60
p0 1593 ± 1.459
1750
1700
1650
1600
1550

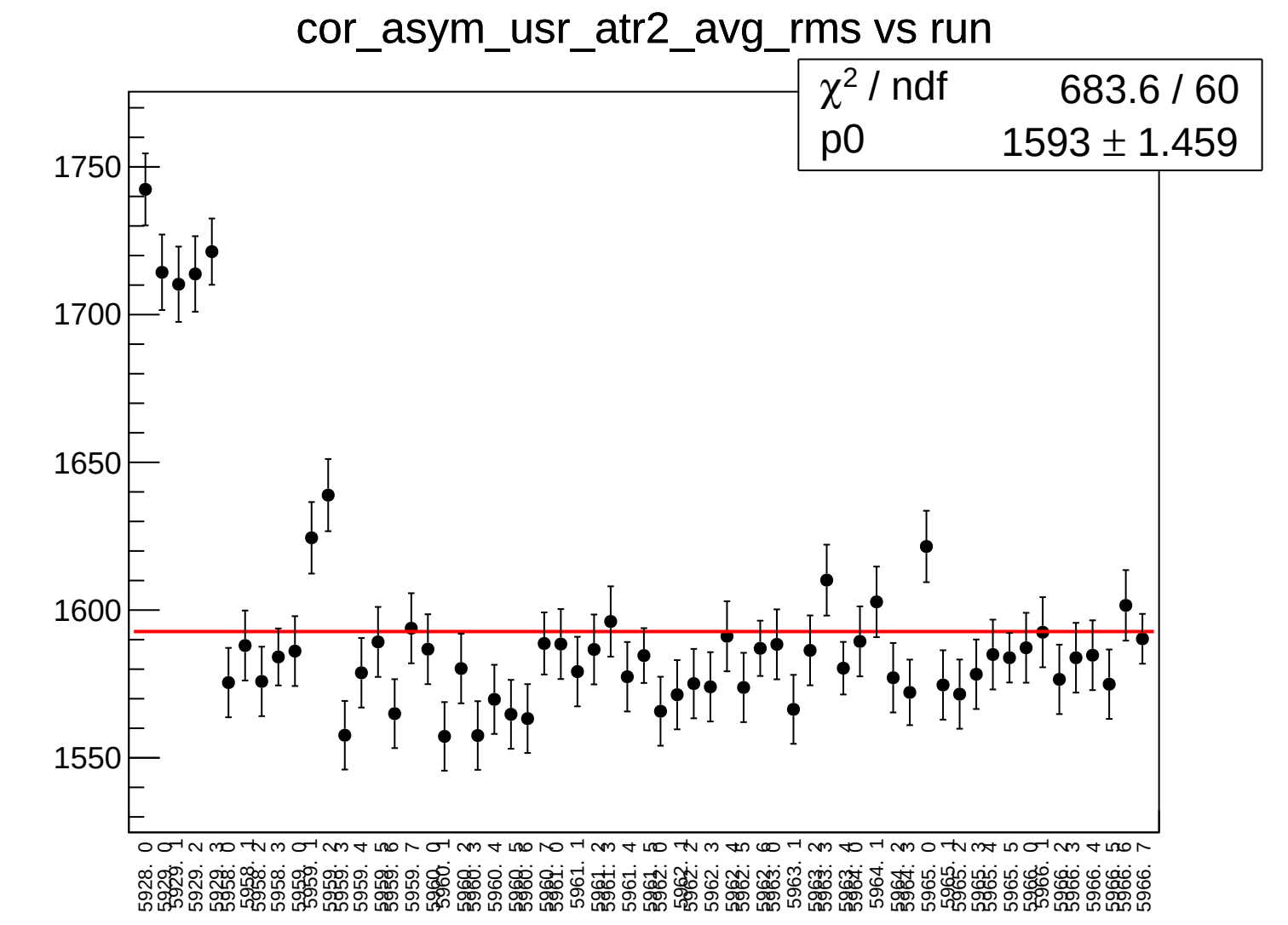

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 71.24 / 60
p0 763.7 ± 7226
pull
Entries 61
Mean 56.62
Std Dev 0

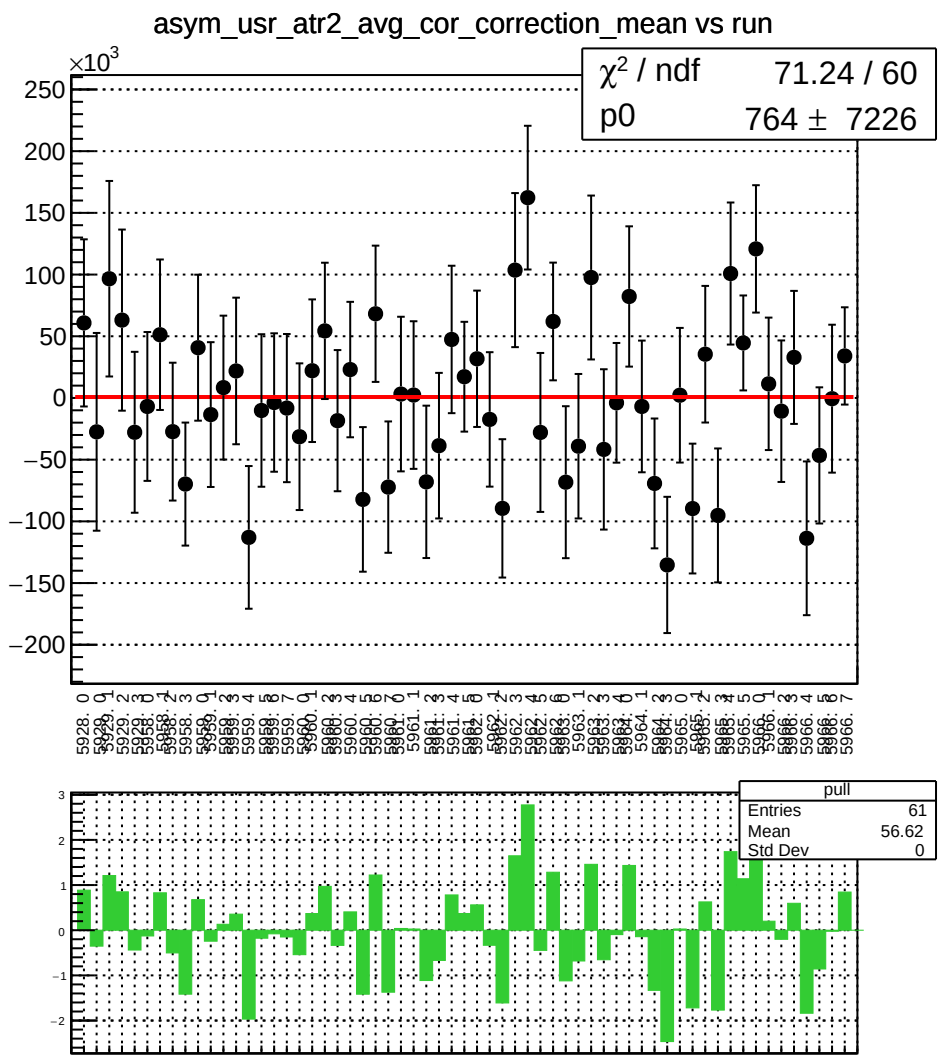

pull1D
Entries 61
Mean −0.006666
Std Dev 1.081

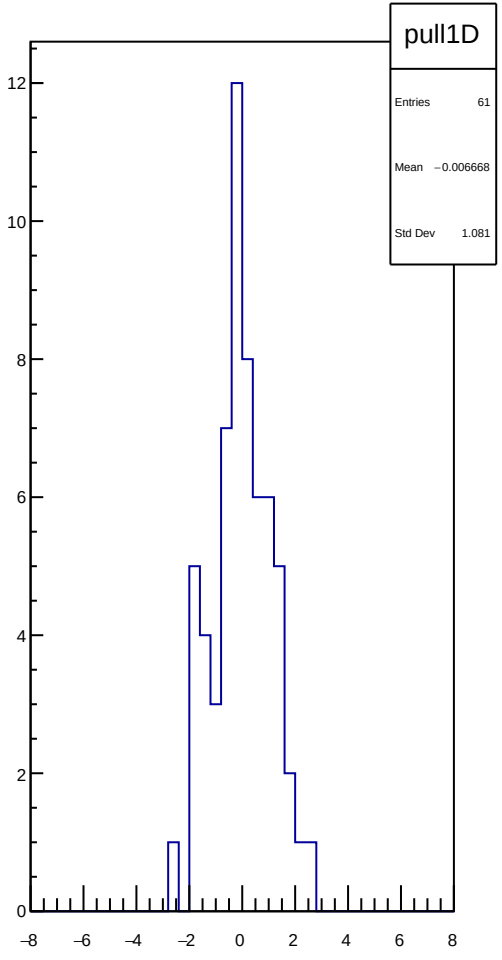

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 8927 / 60
p0 5560 ± 5.11
7500
7000
6500
6000
5500
5000

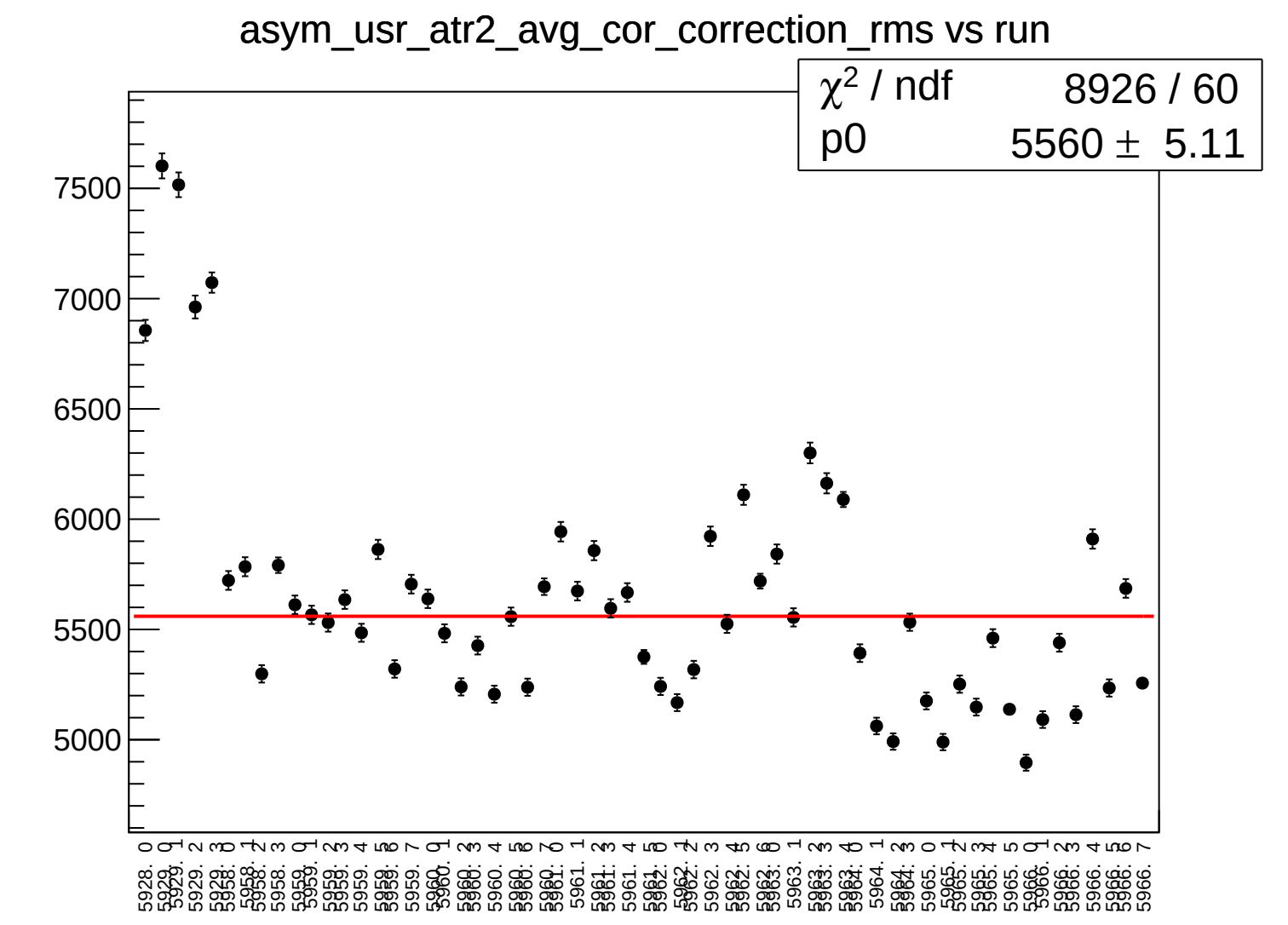

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 63.87 / 60
p0 −2324 ± 2063
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −215.8
Std Dev 0
3
2
1
0
−1
−2

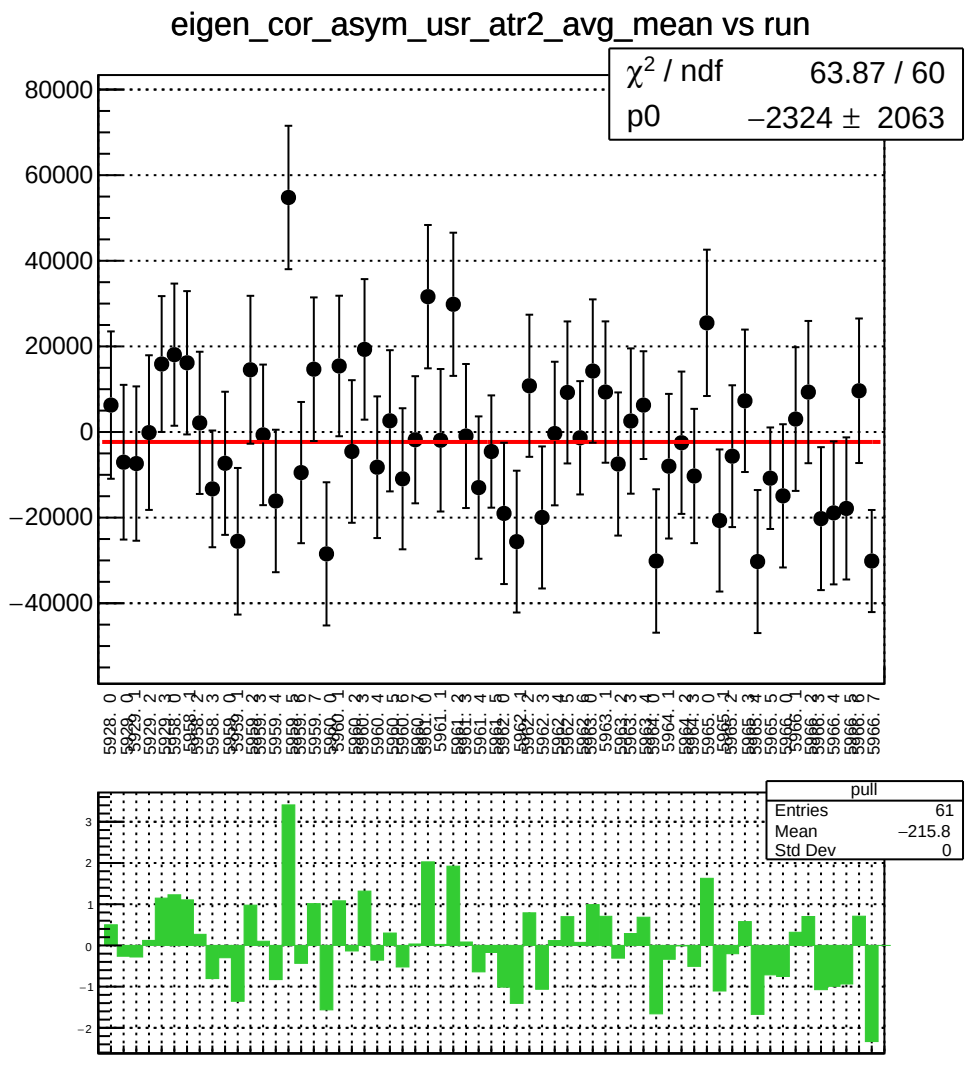

pull1D
Entries 61
Mean 0.01992
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

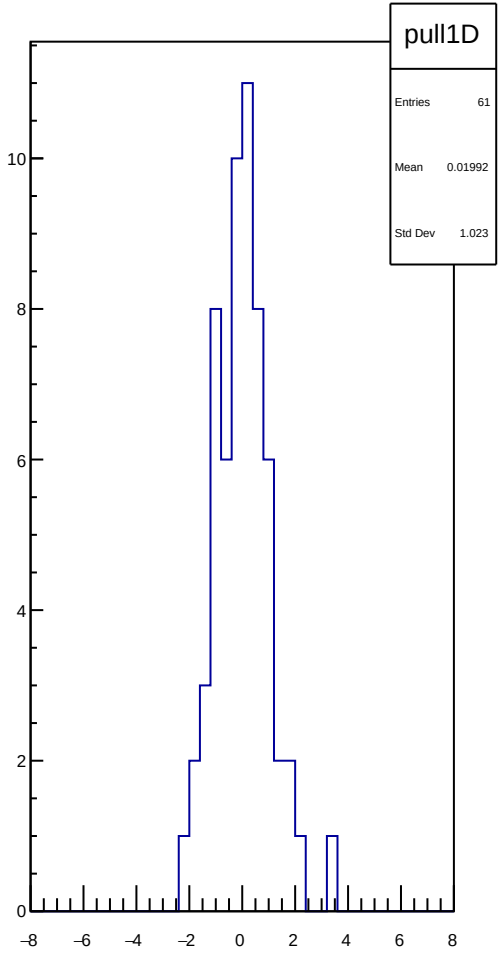

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 683.6 / 60
p0 1593 ± 1.459
1750
1700
1650
1600
1550

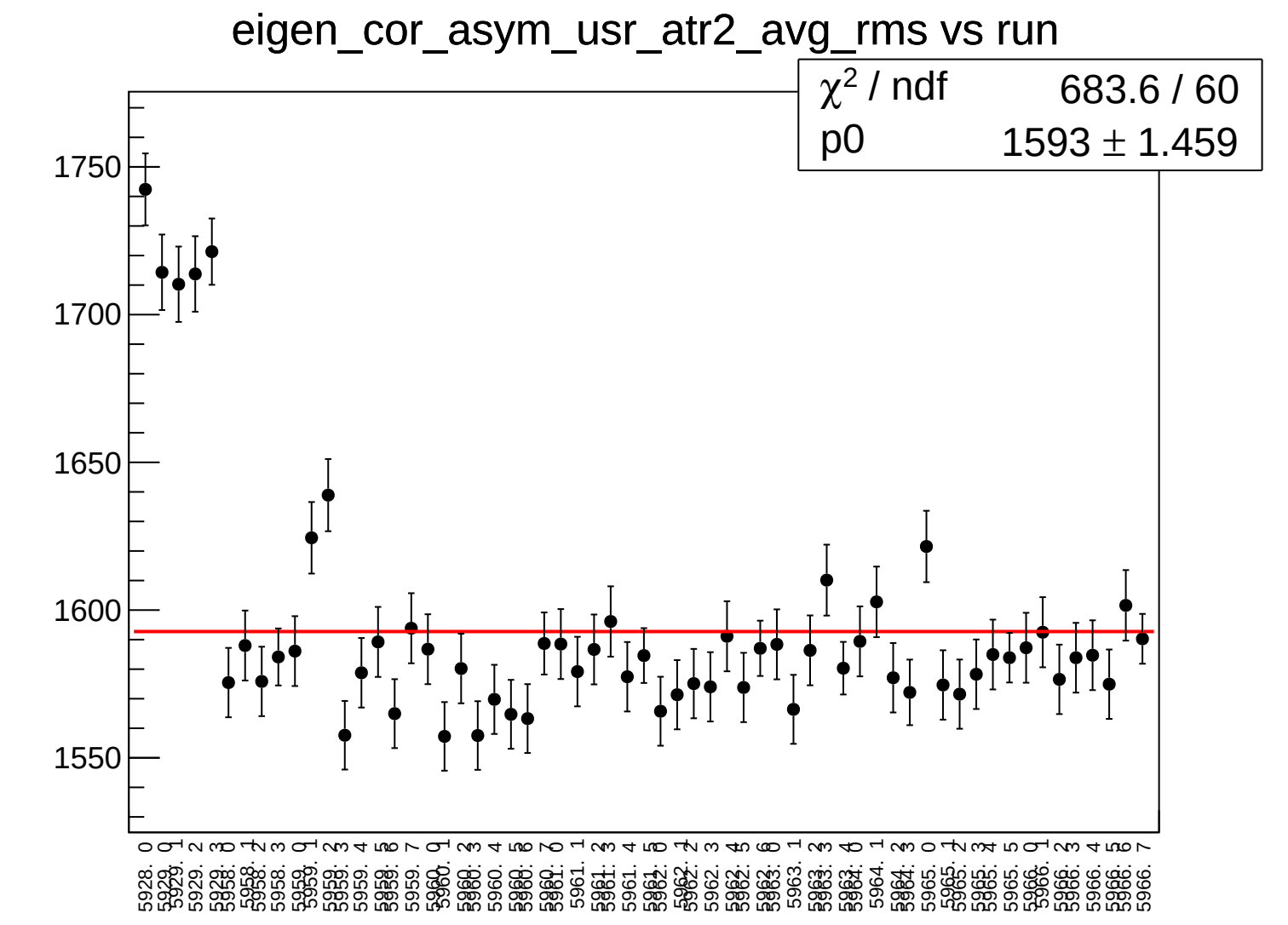

asym_usr_atr2_avg_cor_correction_mean vs run
χ² / ndf 71.24 / 60
p0 764 ± 7226
×10³
pull
Entries 61
Mean 56.62
Std Dev 0

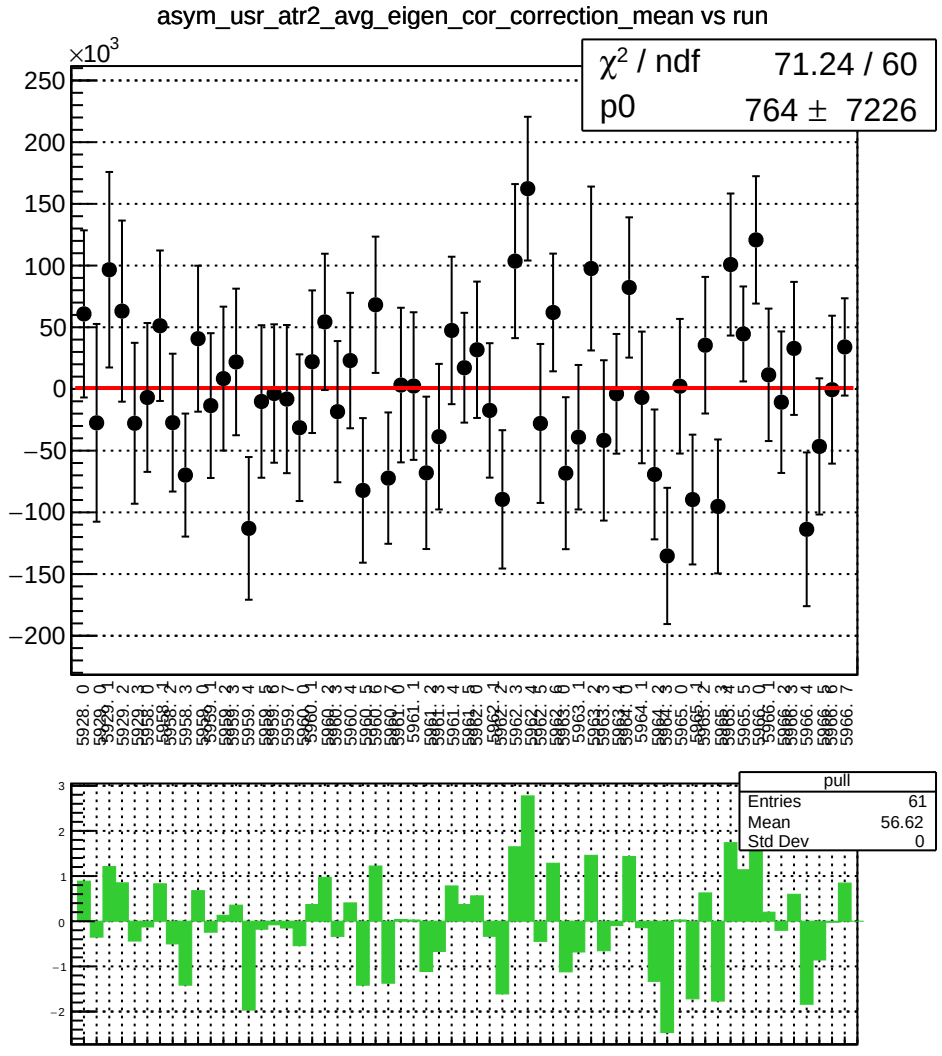

pull1D
Entries 61
Mean −0.006668
Std Dev 1.081

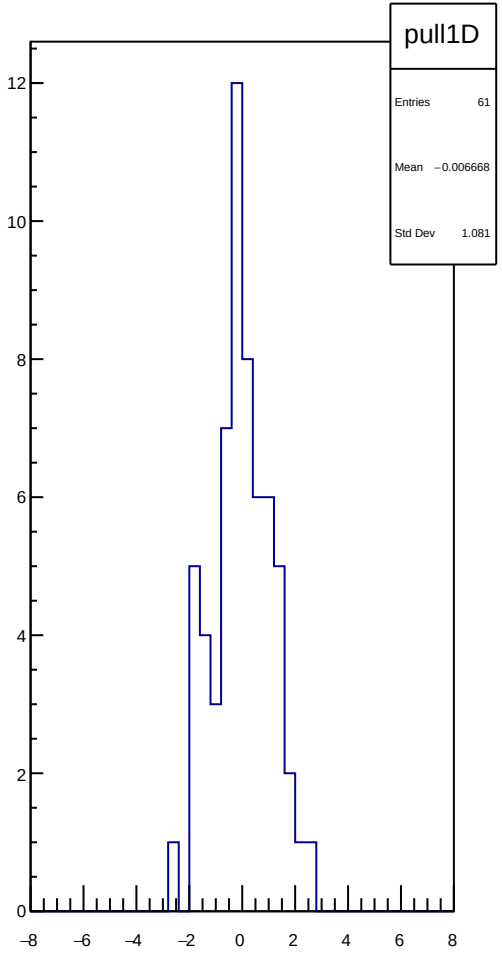

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 8926 / 60
p0 5560 ± 5.11
7500
7000
6500
6000
5500
5000

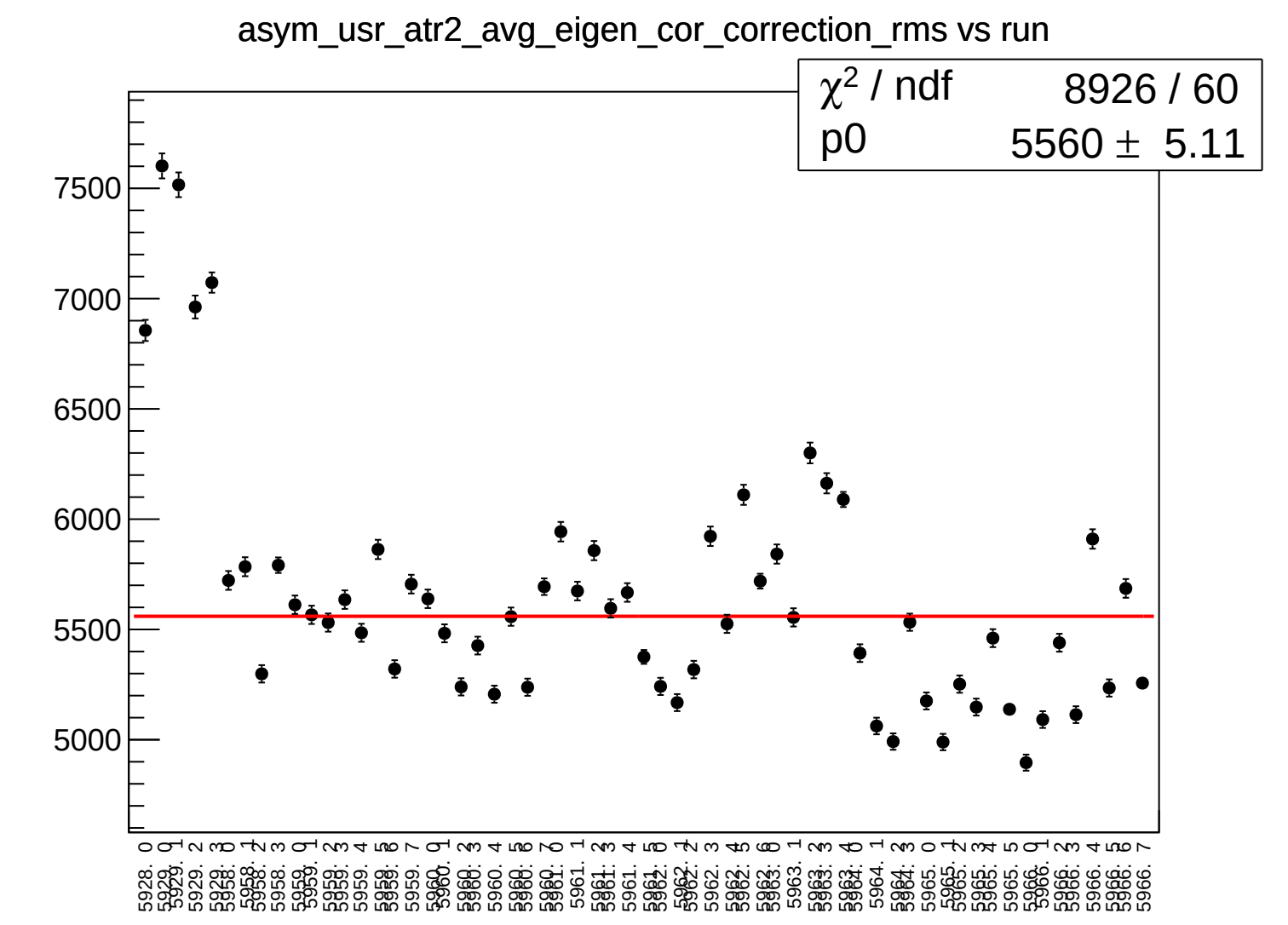

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 63.87 / 60
p0 −2324 ± 2063
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −215.8
Std Dev 0
3
2
1
0
−1
−2

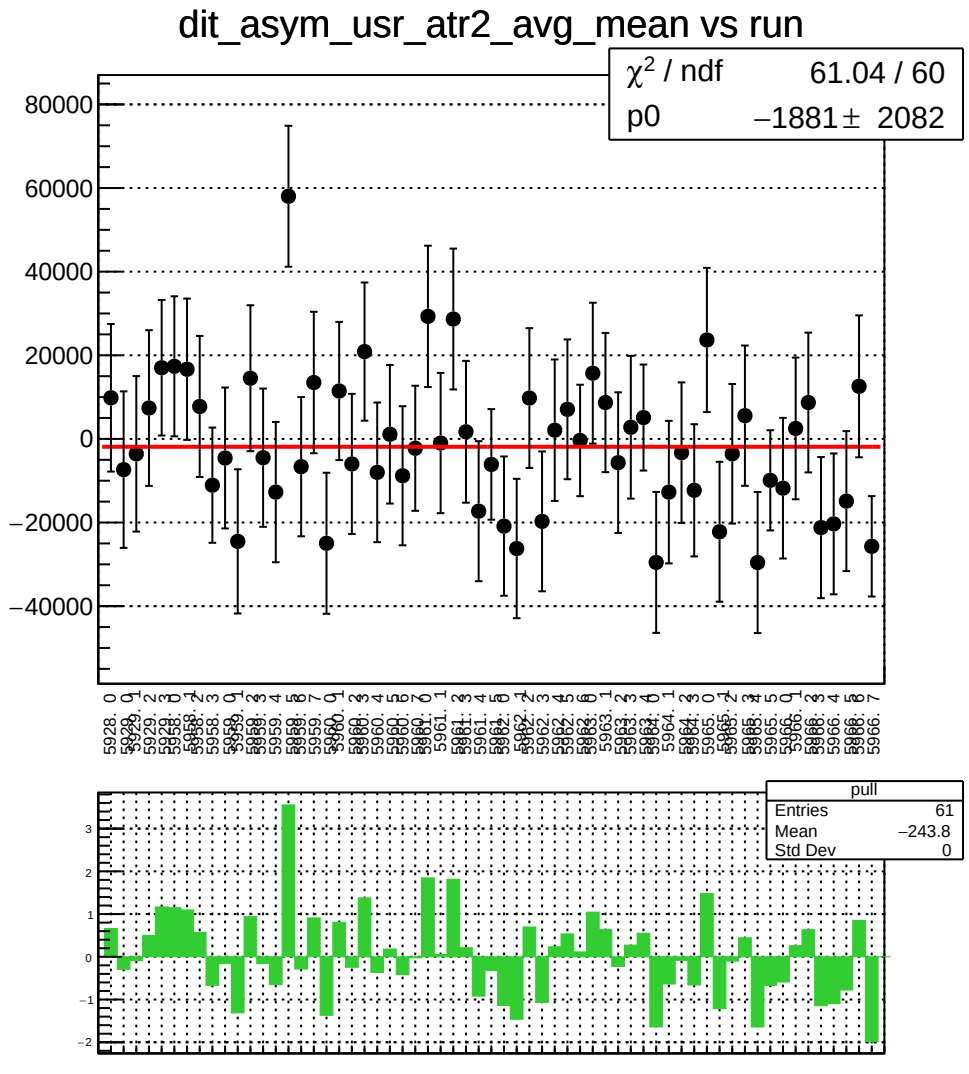

pull1D
Entries 61
Mean 0.01992
Std Dev 1.023
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

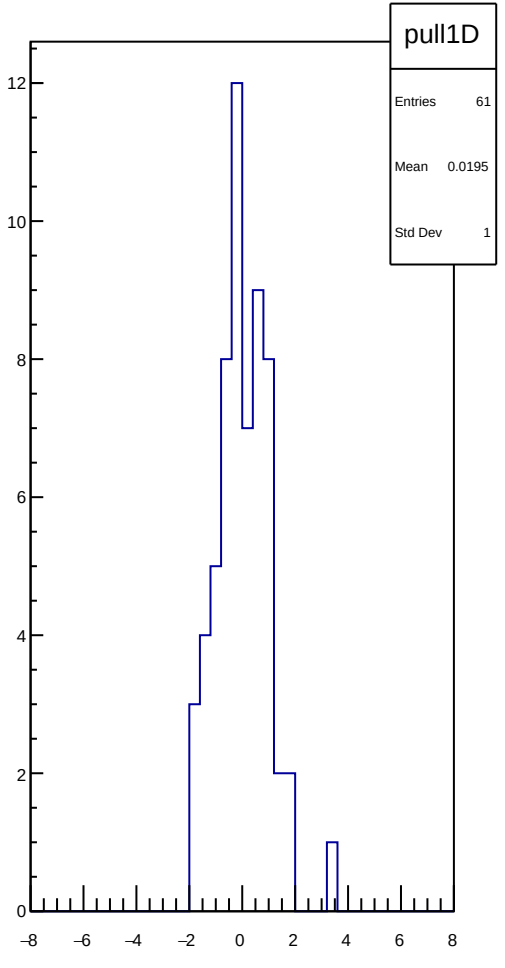

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 683.6 / 60
p0 1593 ± 1.459
1750
1700
1650
1600
1550

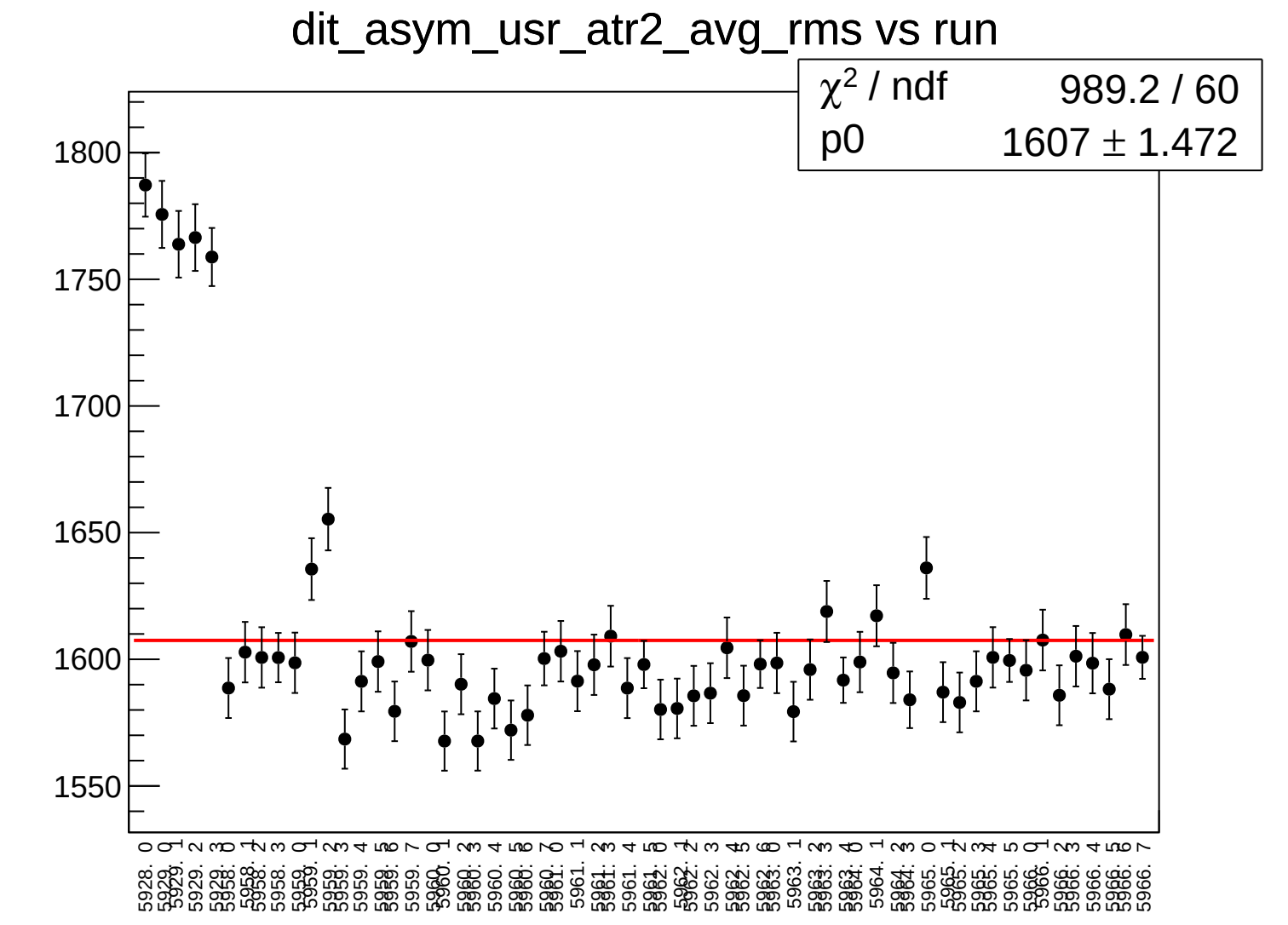

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.24 / 60
p0 764 ± 7226
pull
Entries 61
Mean 56.62
Std Dev 0

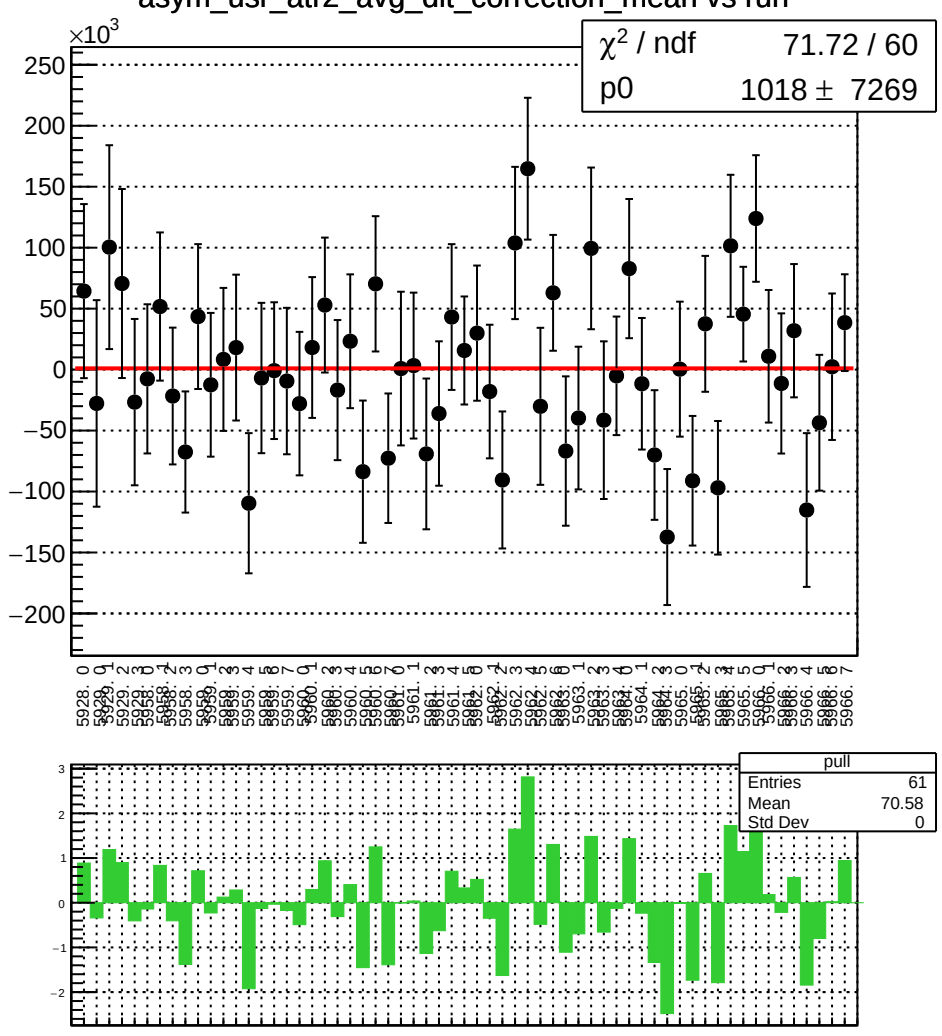

pull1D
Entries 61
Mean −0.006668
Std Dev 1.081

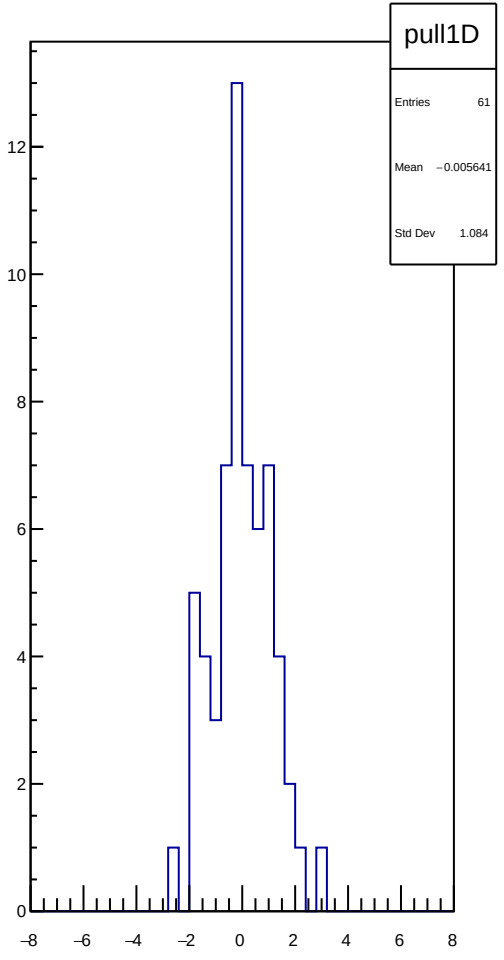

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8926 / 60
p0 5560 ± 5.11
7500
7000
6500
6000
5500
5000

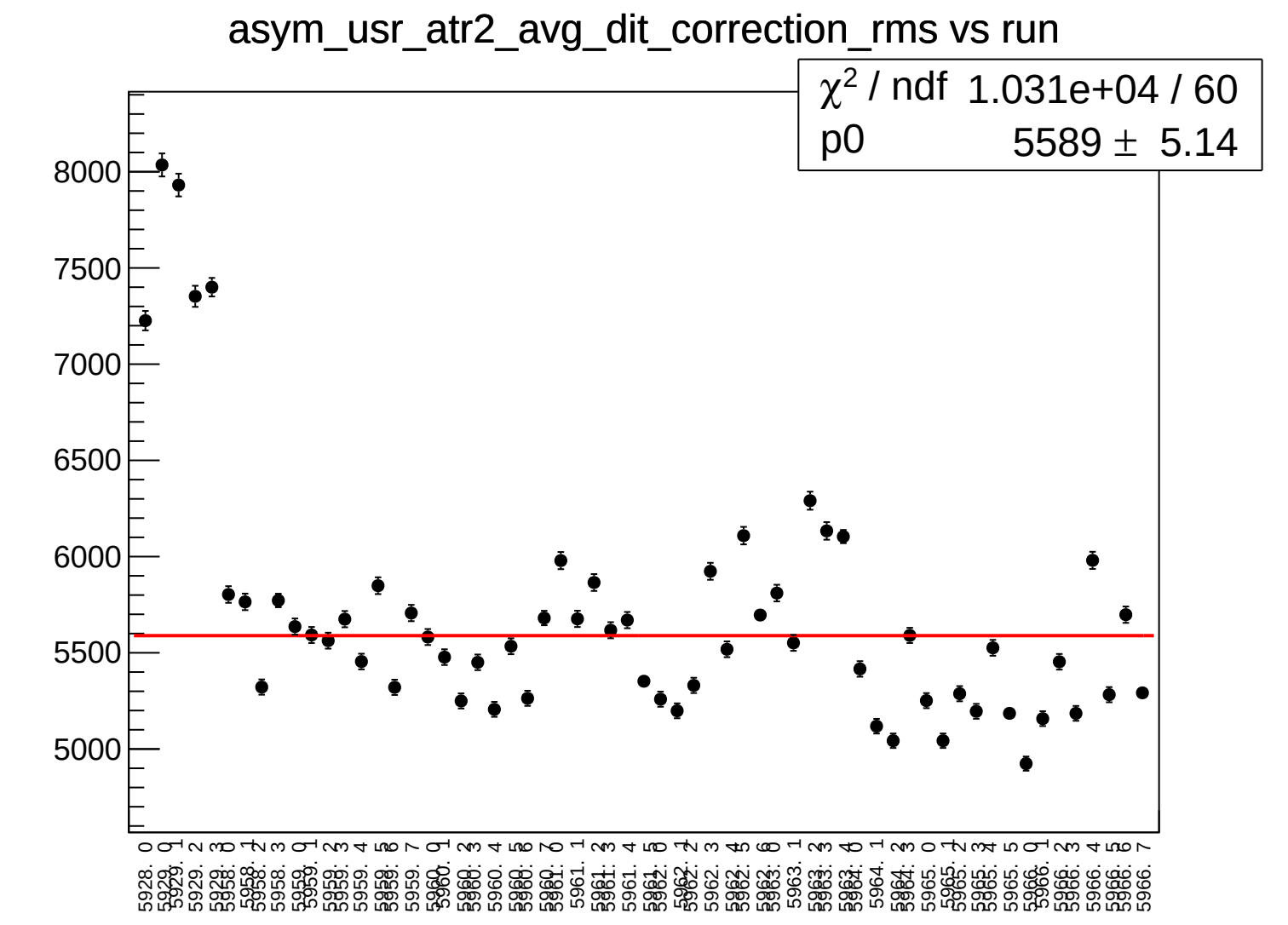

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 61.04 / 60
p0 −1881 ± 2082
pull
Entries 61
Mean −243.8
Std Dev 0

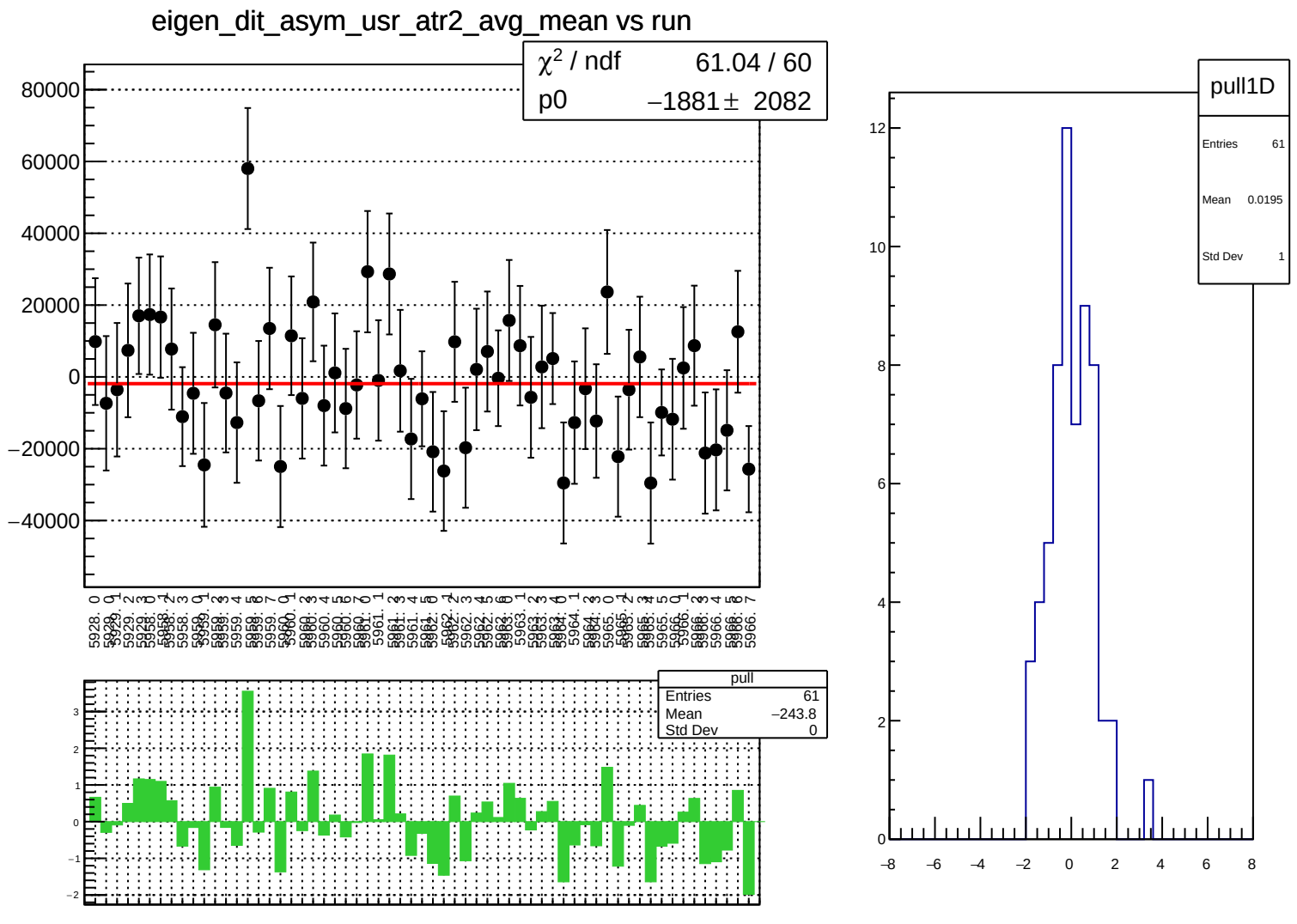

pull1D
Entries 61
Mean 0.0195
Std Dev 1

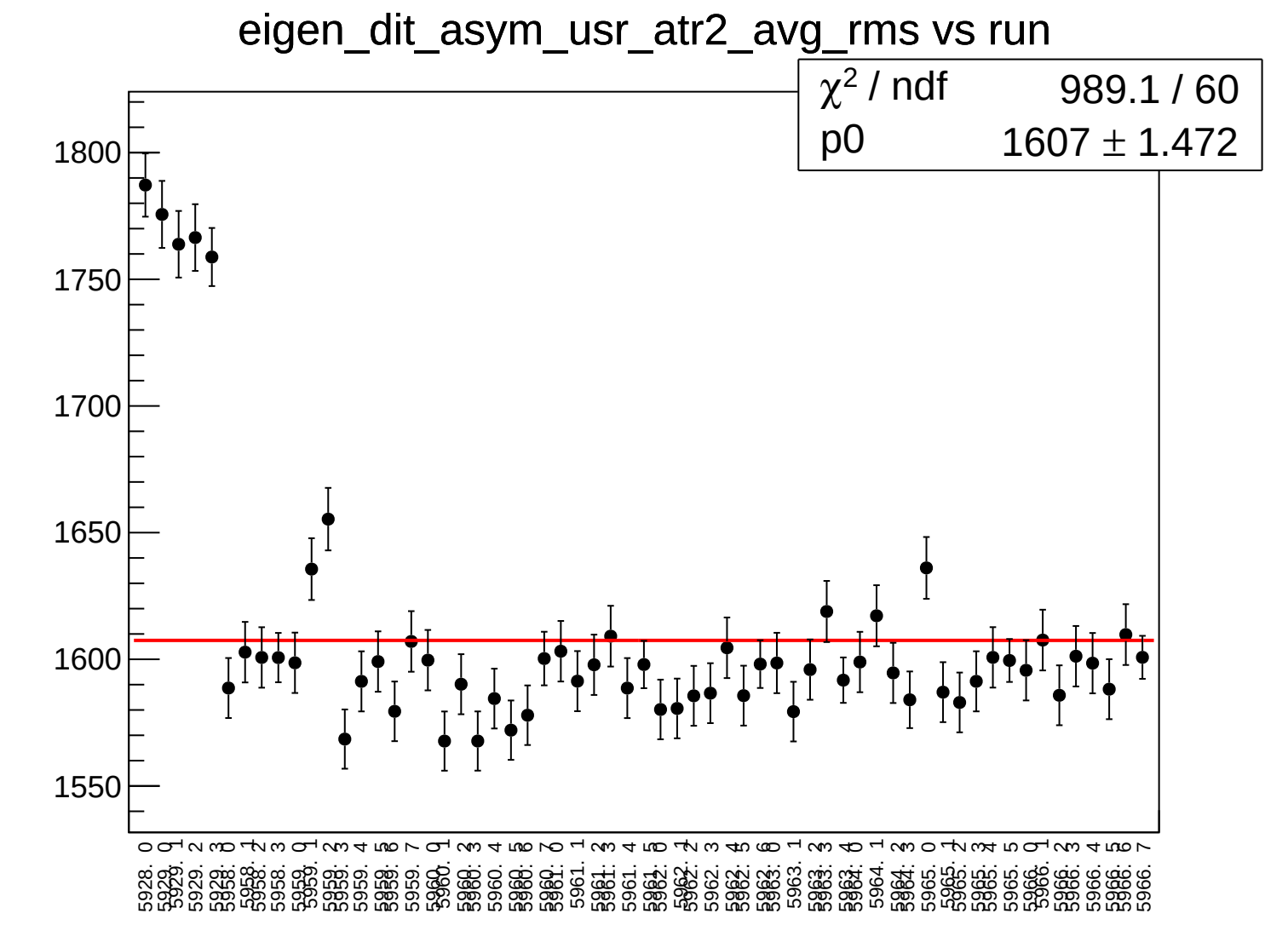

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 989.2 / 60
p0 1607 ± 1.472
1800
1750
1700
1650
1600
1550

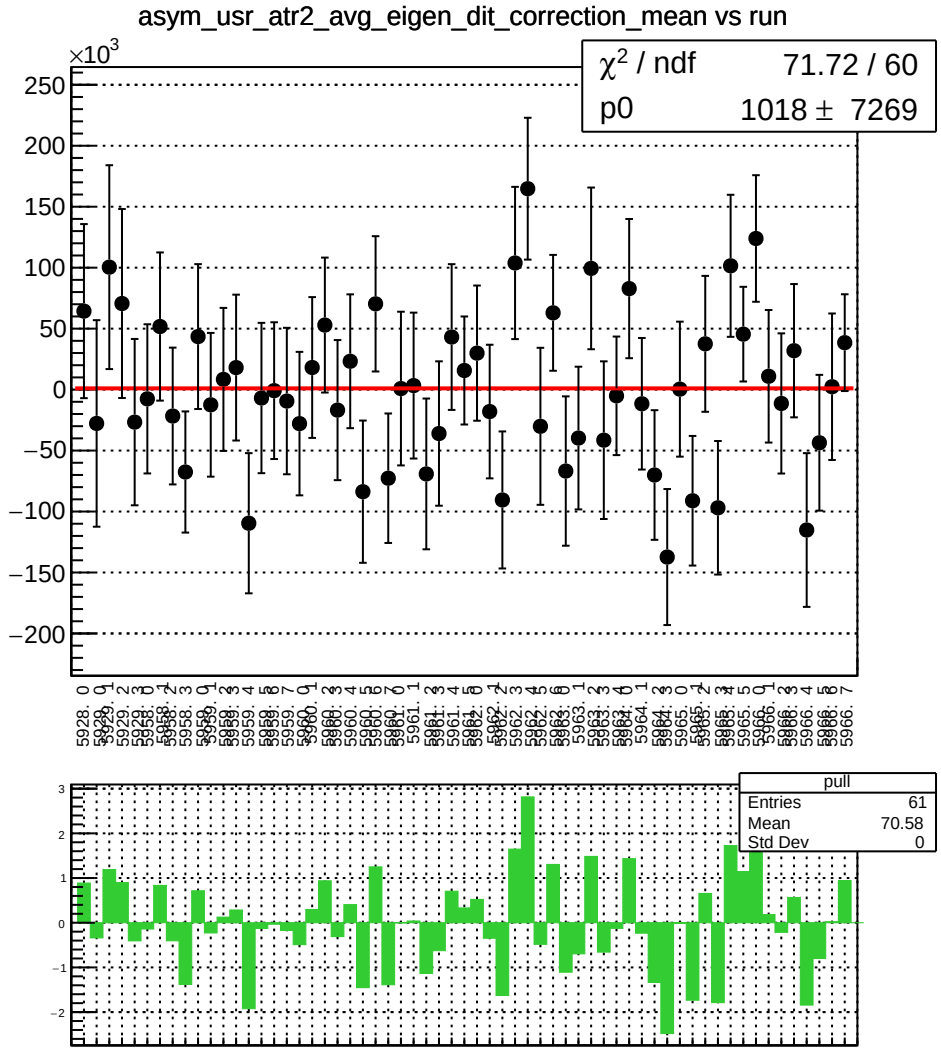

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 71.72 / 60
p0 1018 ± 7269
pull
Entries 61
Mean 70.58
Std Dev 0

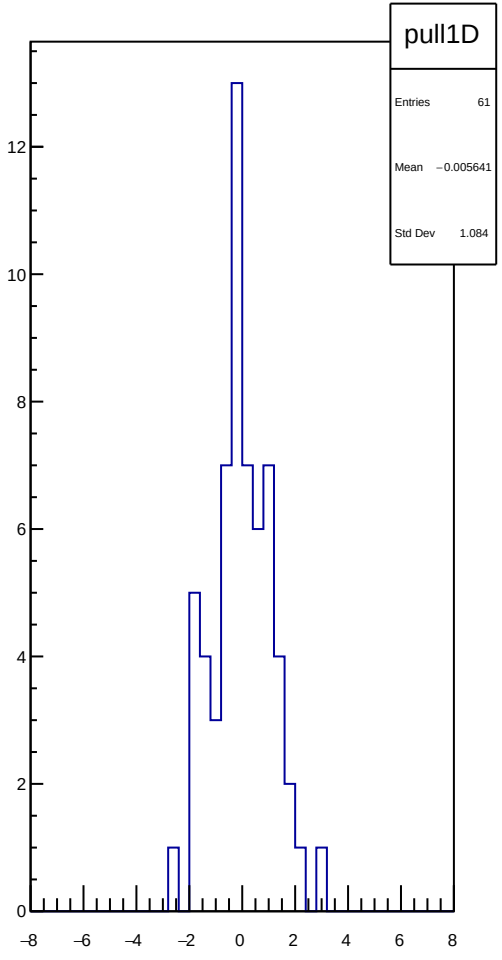

pull1D
Entries 61
Mean −0.005641
Std Dev 1.084

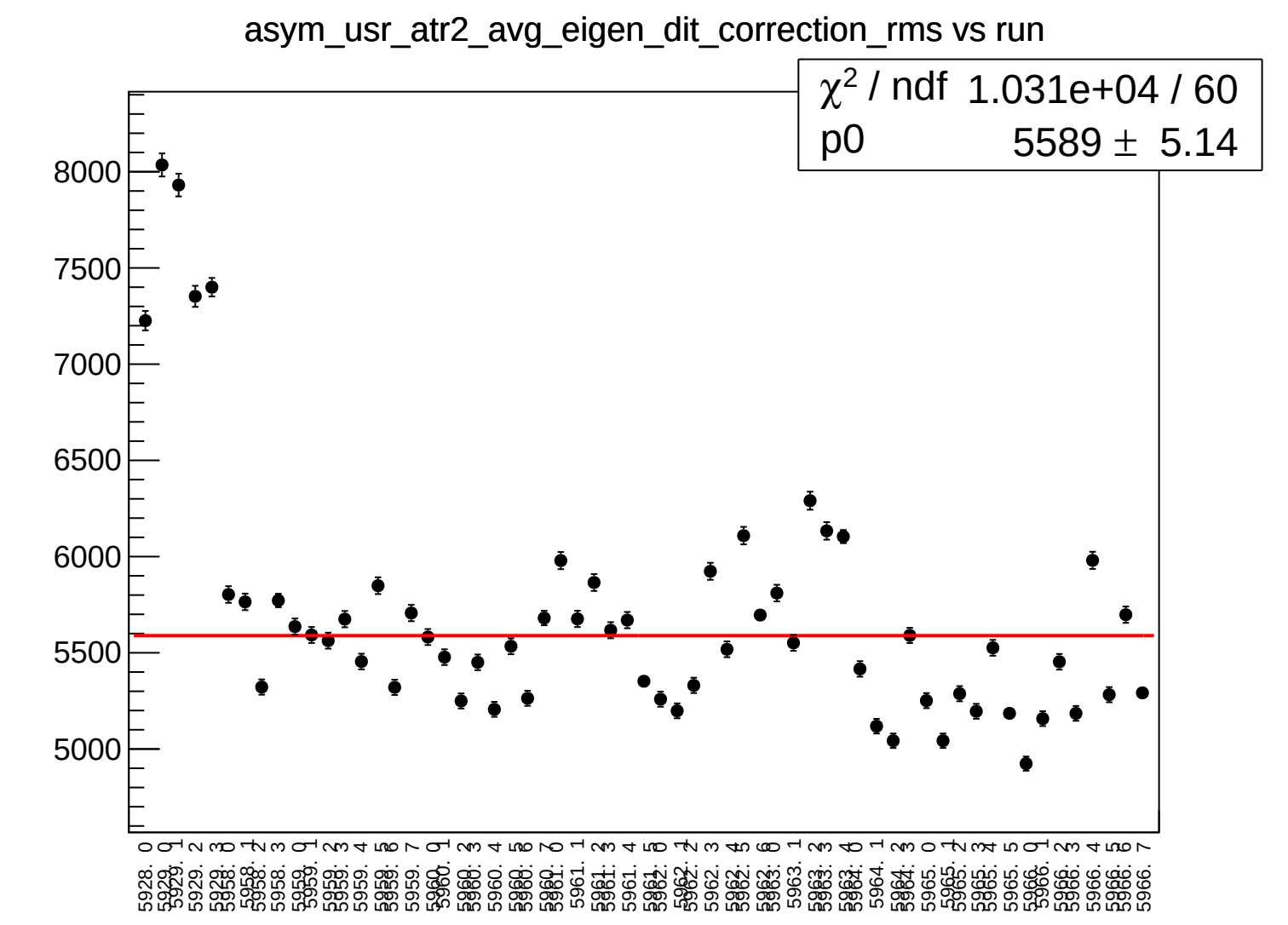

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 1.031e+04 / 60
p0 5589 ± 5.14
8000
7500
7000
6500
6000
5500
5000

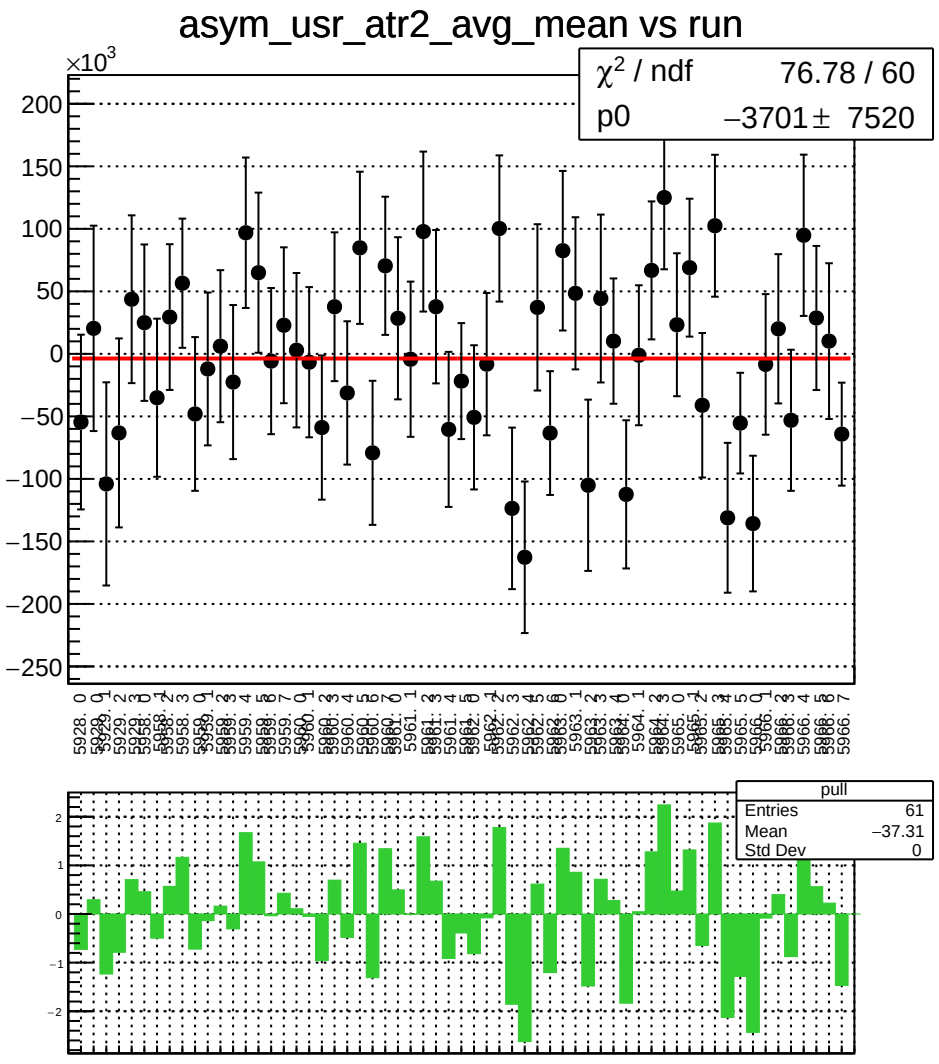

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 61.04 / 60
p0 −1881 ± 2082
pull
Entries 61
Mean −243.8
Std Dev 0
pull1D
Entries 61
Mean 0.0195
Std Dev 1

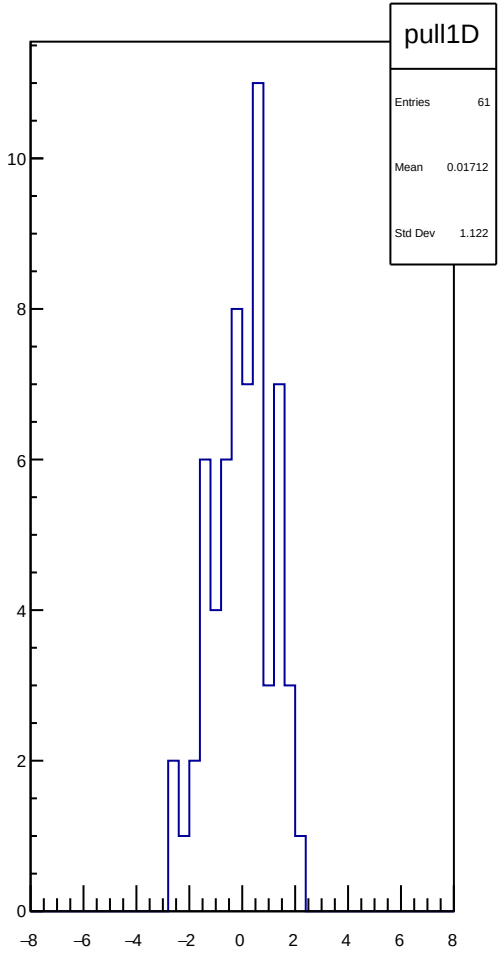

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 989.1 / 60
p0 1607 ± 1.472
1800
1750
1700
1650
1600
1550

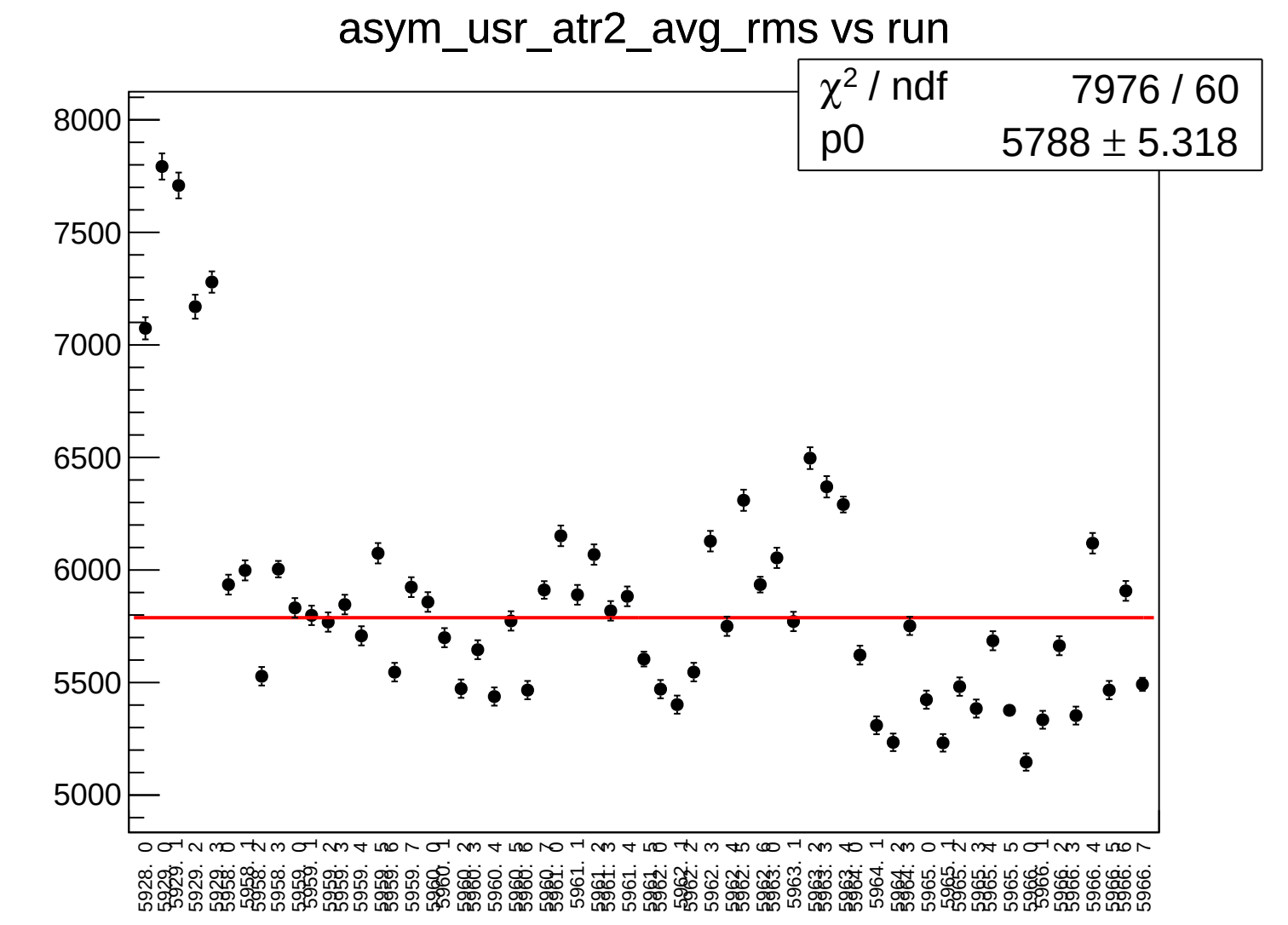

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 71.72 / 60
p0 1018 ± 7269
pull
Entries 61
Mean 70.58
Std Dev 0

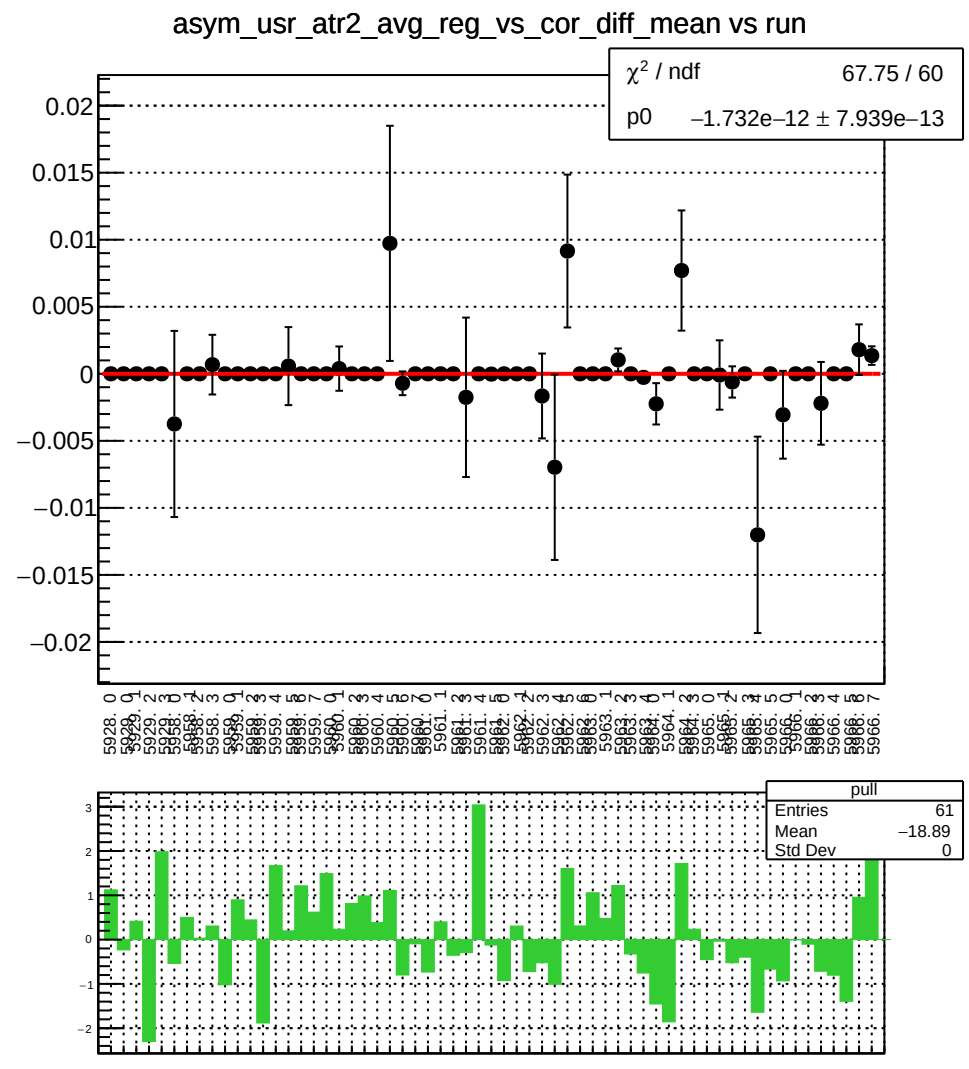

pull1D
Entries 61
Mean −0.005641
Std Dev 1.084

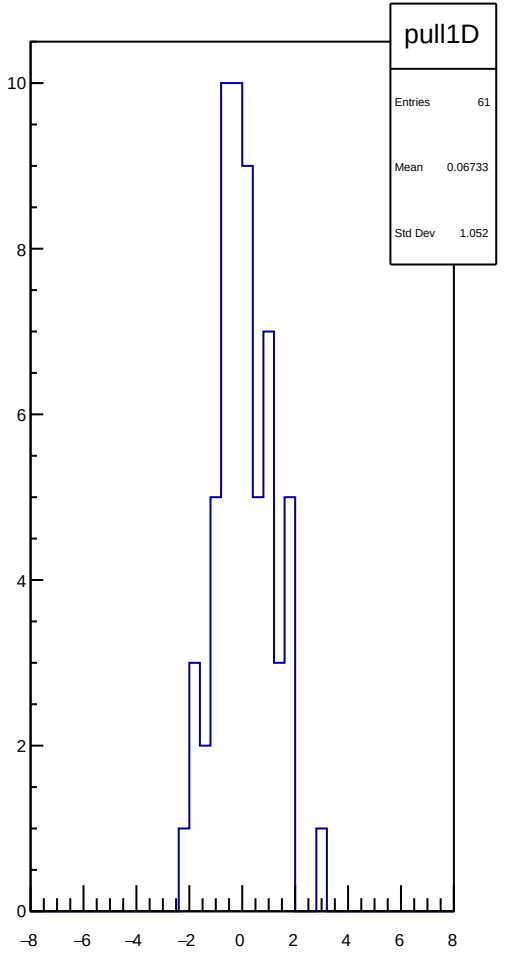

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.031e+04 / 60
p0 5589 ± 5.14
8000
7500
7000
6500
6000
5500
5000

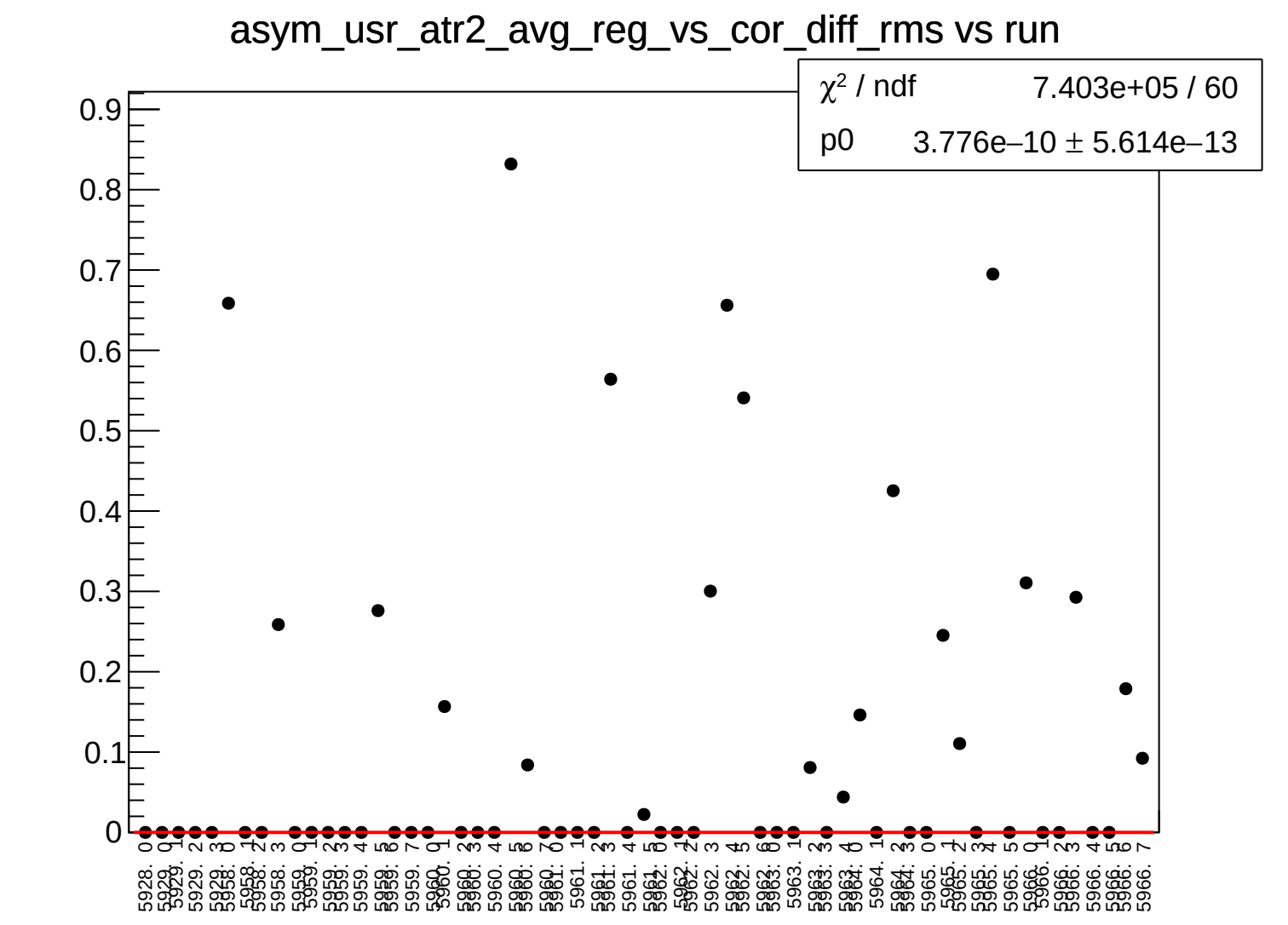

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 76.78 / 60
p0 −3701 ± 7520
pull
Entries 61
Mean −37.31
Std Dev 0

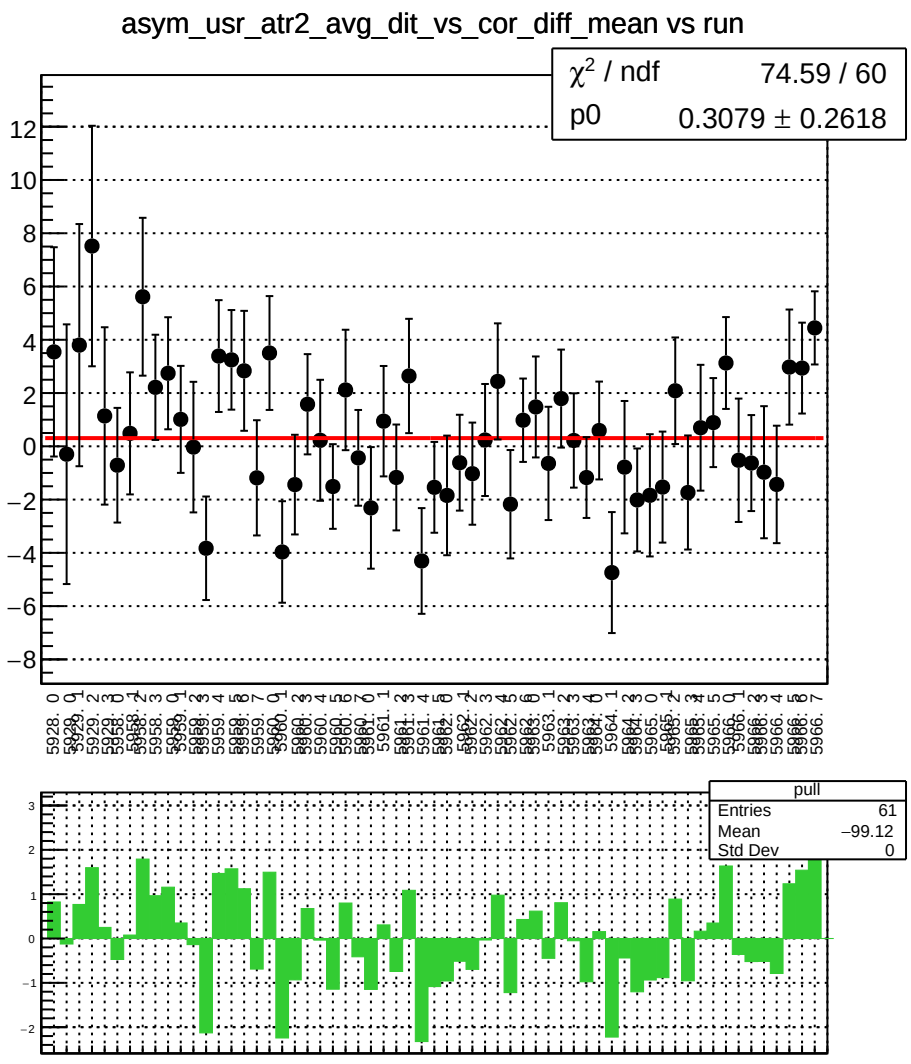

pull1D
Entries 61
Mean 0.01712
Std Dev 1.122

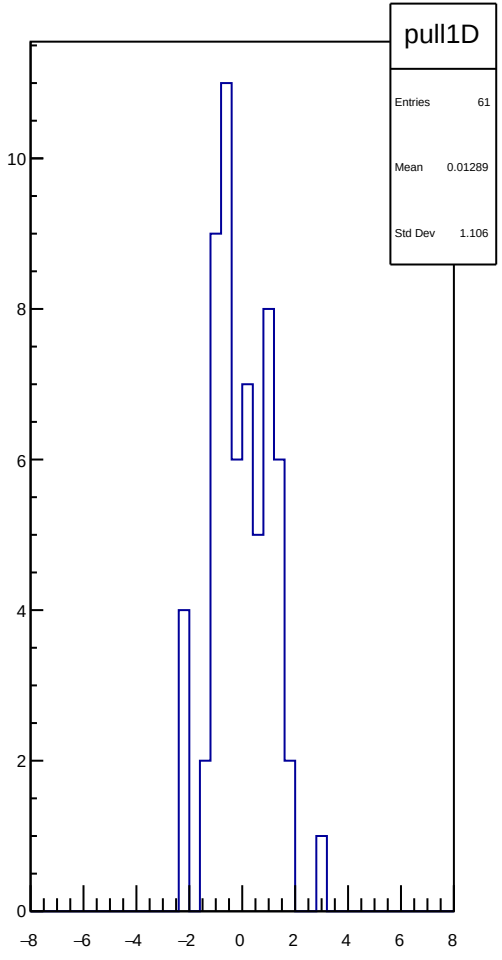

asym_usr_atr2_avg_rms vs run
χ² / ndf 7976 / 60
p0 5788 ± 5.318
8000
7500
7000
6500
6000
5500
5000

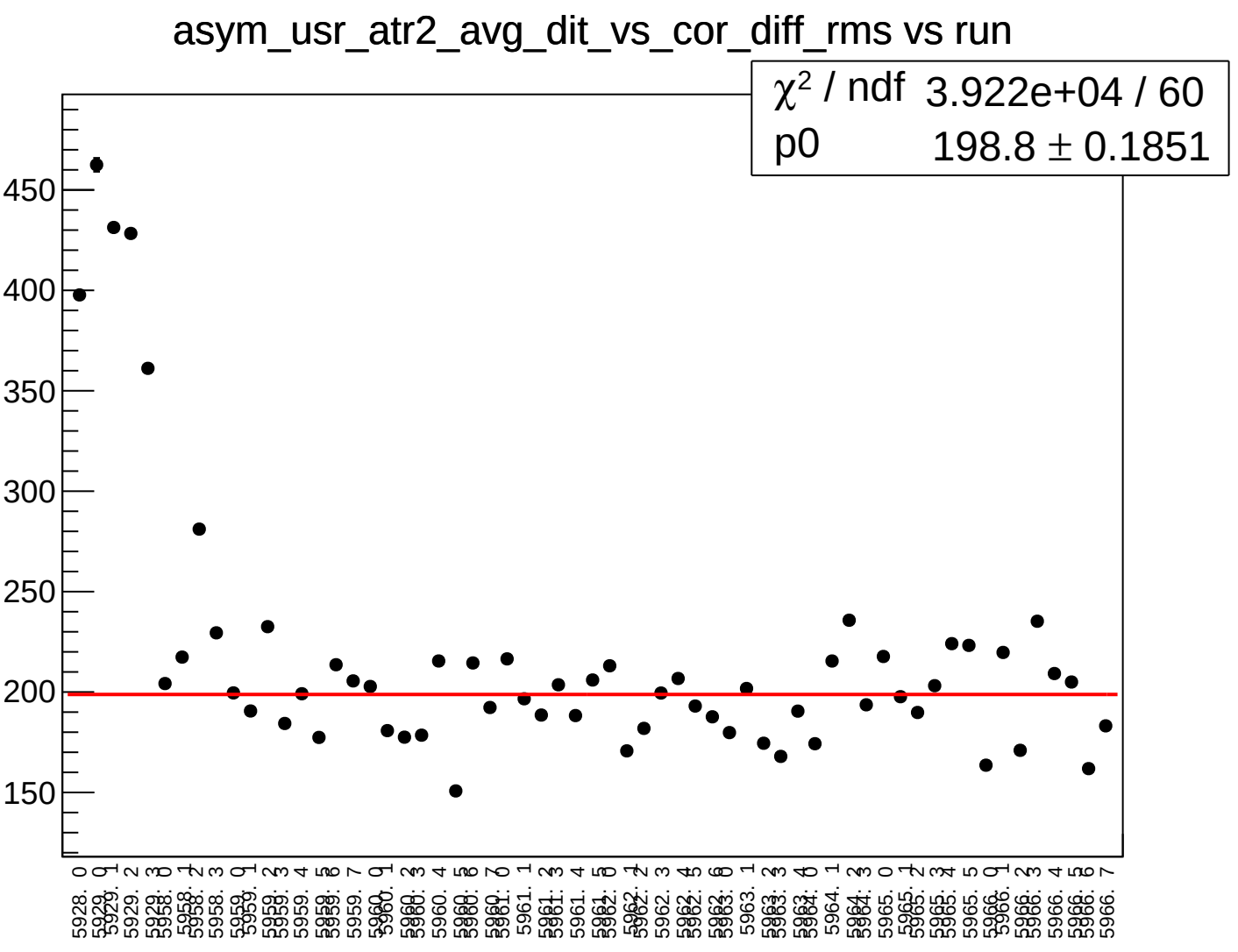

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.75 / 60
p0 −1.732e−12 ± 7.939e−13
pull
Entries 61
Mean −18.89
Std Dev 0

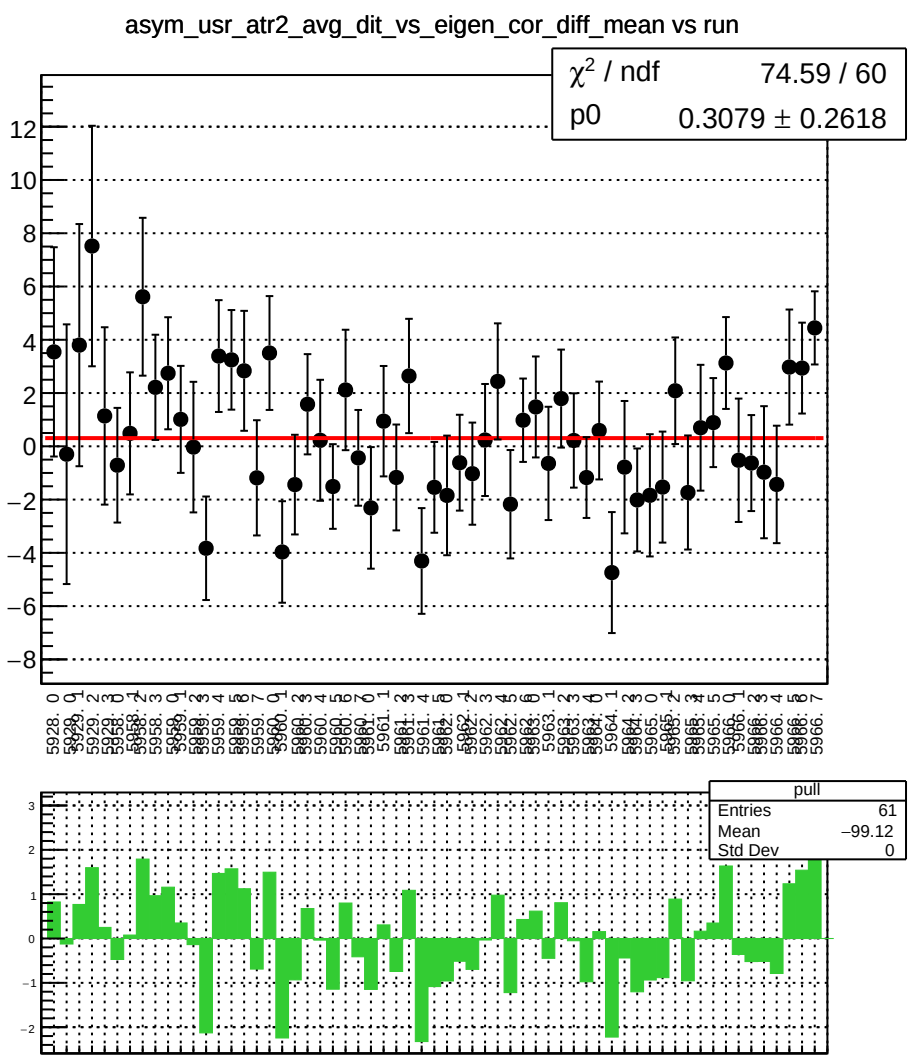

pull1D
Entries 61
Mean 0.06733
Std Dev 1.052

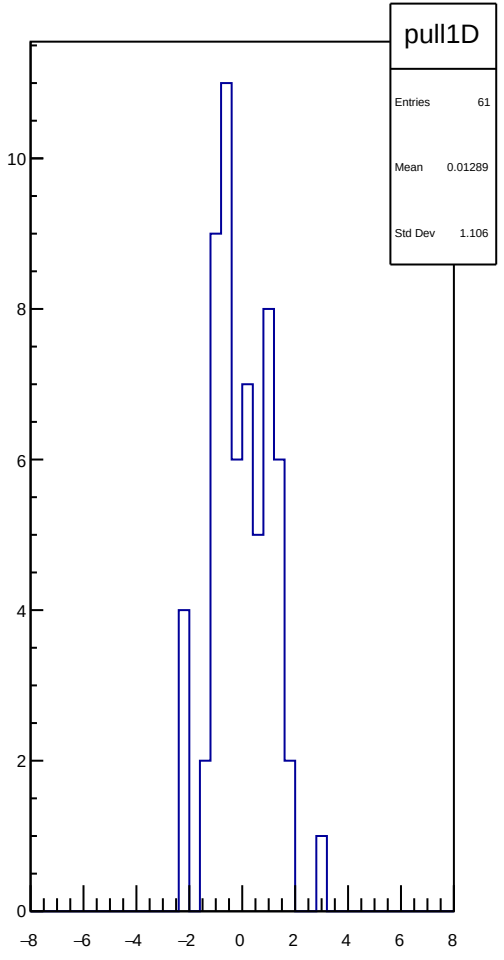

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.403e+05 / 60
p0 3.776e−10 ± 5.614e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

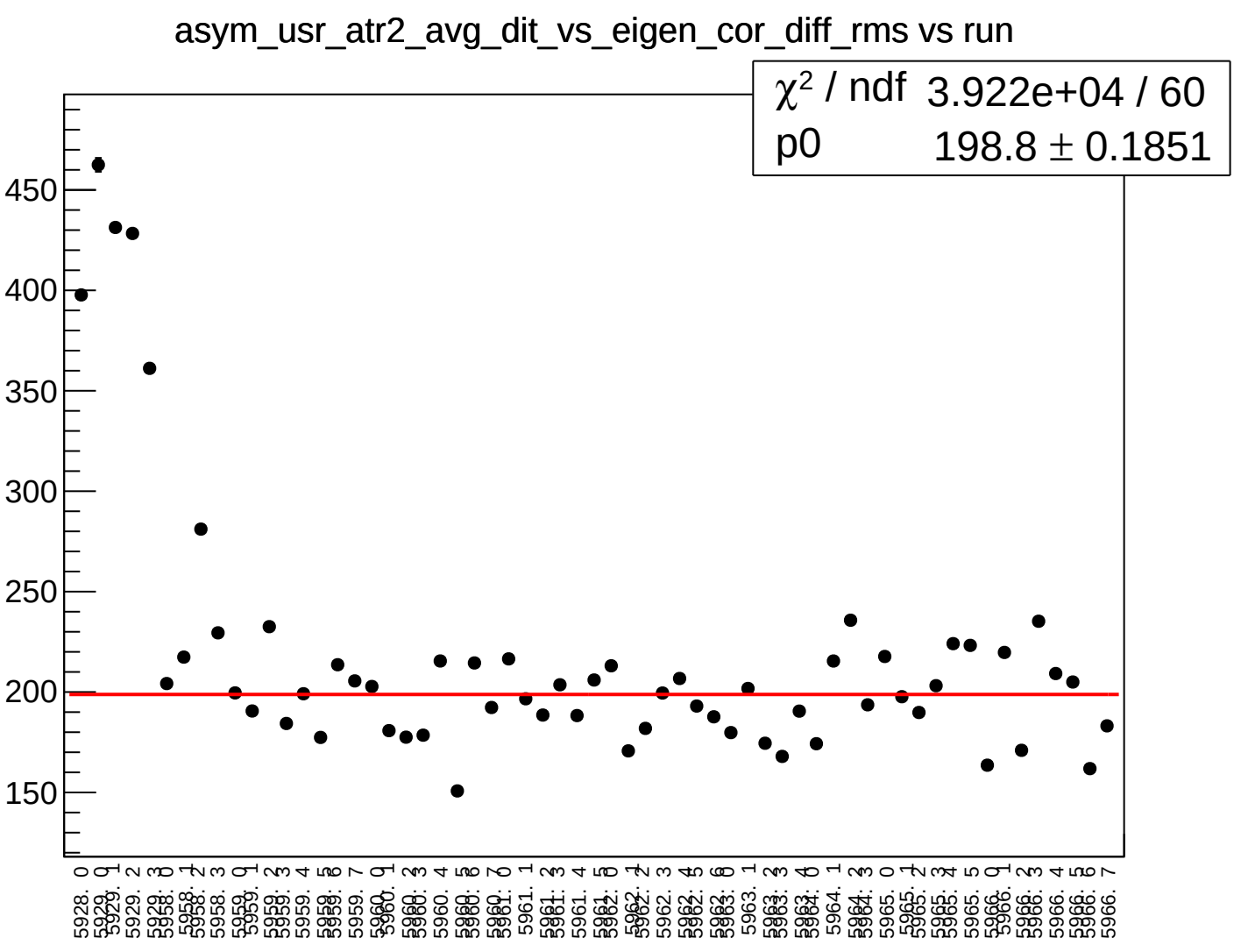

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.59 / 60
p0 0.3079 ± 0.2618
pull
Entries 61
Mean −99.12
Std Dev 0

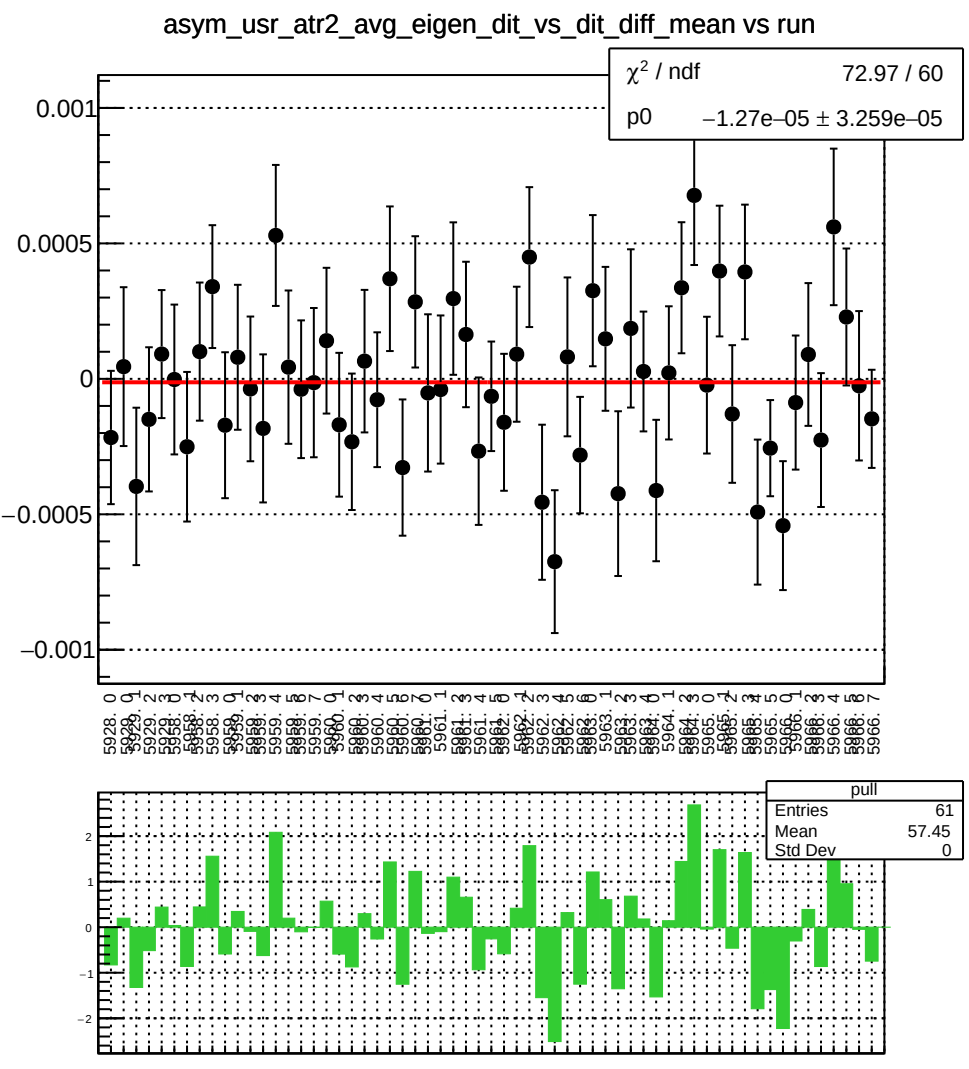

pull1D
Entries 61
Mean 0.01289
Std Dev 1.106

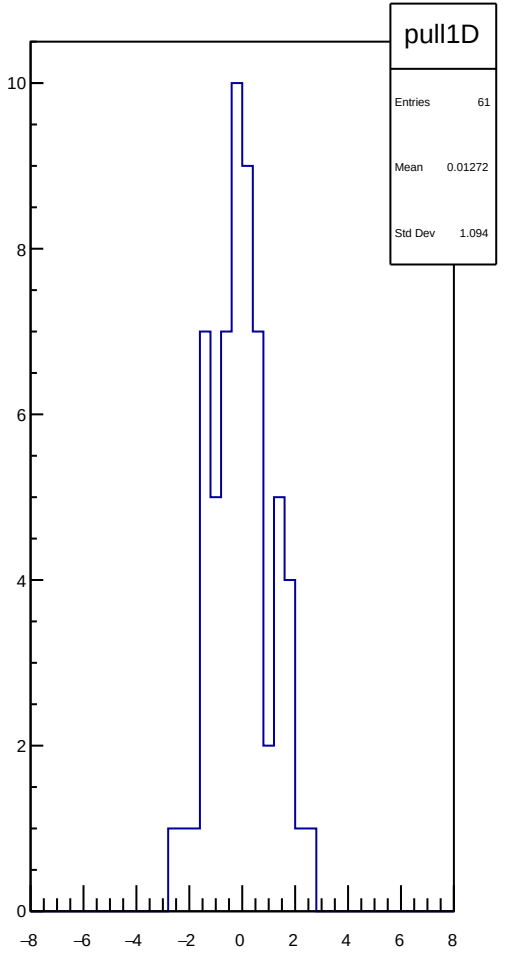

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.922e+04 / 60
p0 198.8 ± 0.1851
450
400
350
300
250
200
150

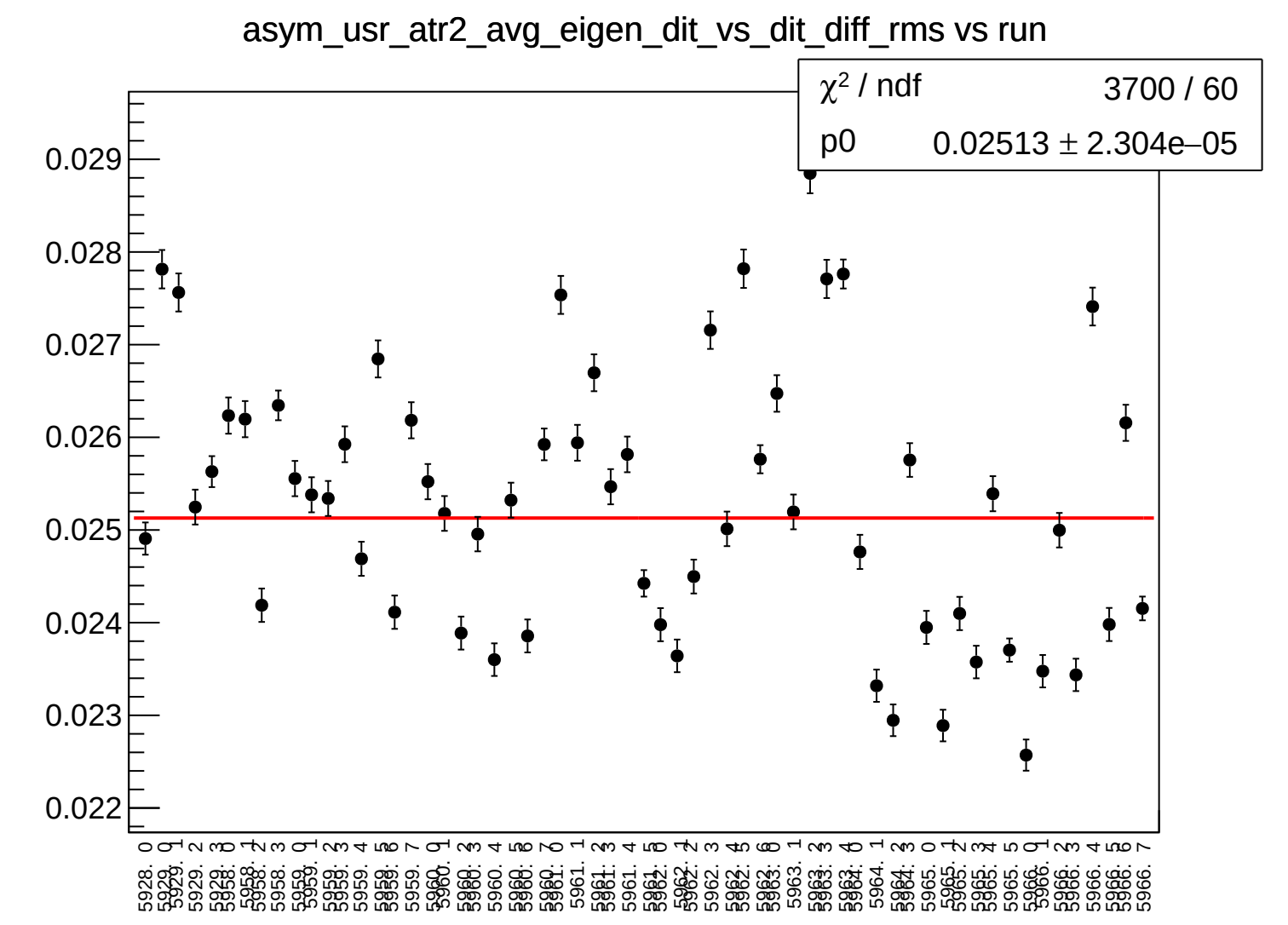

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.59 / 60
p0 0.3079 ± 0.2618
pull
Entries 61
Mean −99.12
Std Dev 0

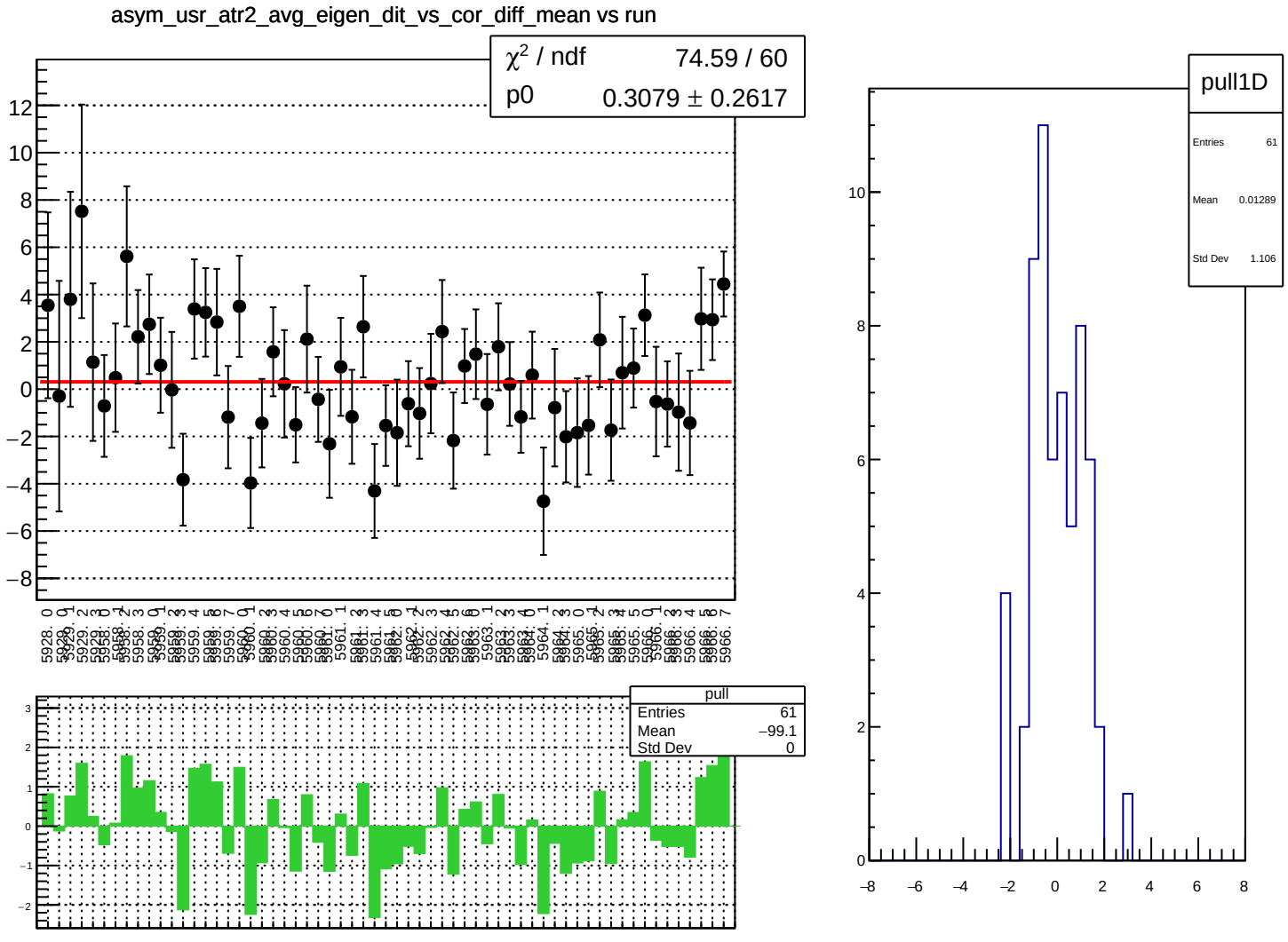

pull1D
Entries 61
Mean 0.01289
Std Dev 1.106

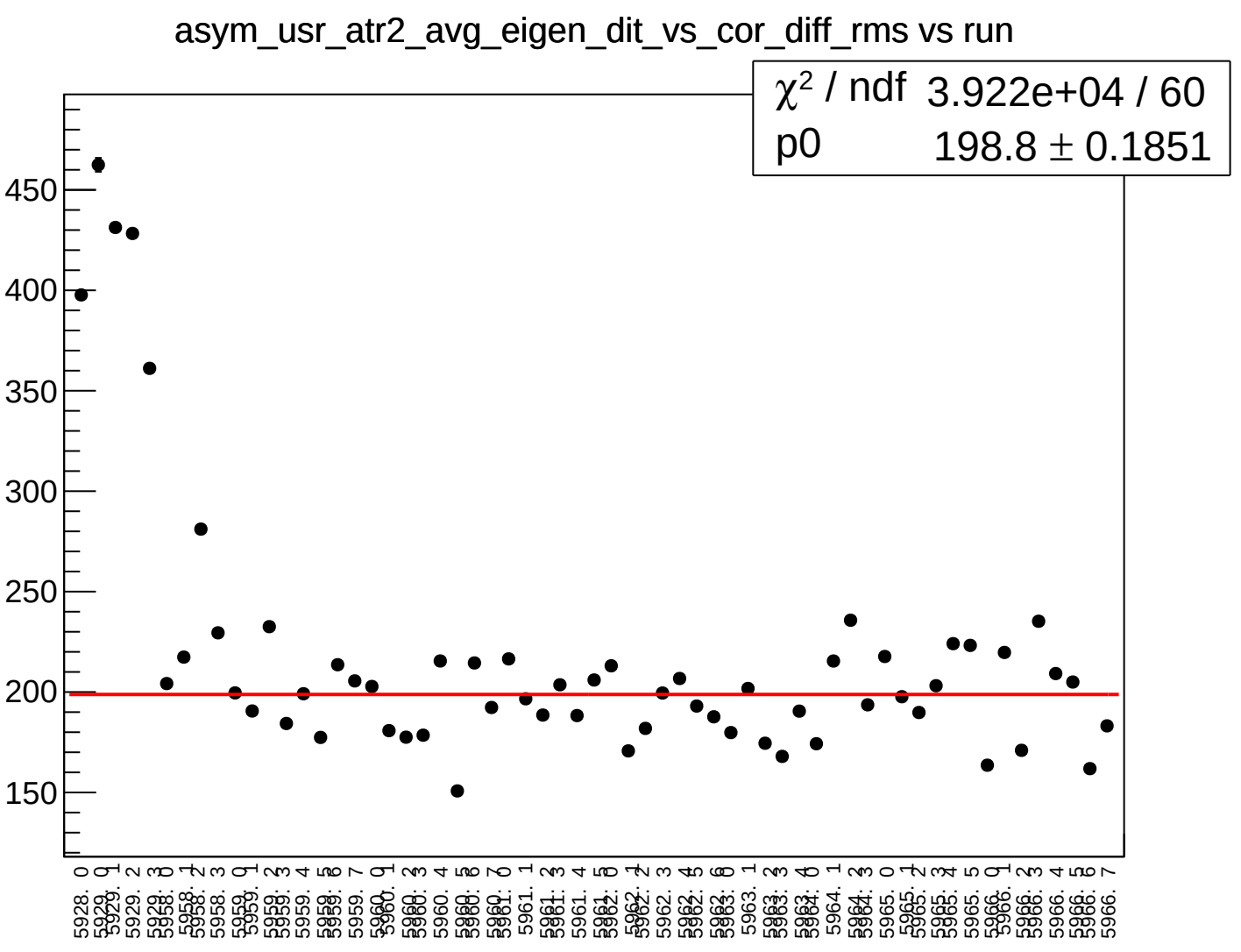

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.922e+04 / 60
p0 198.8 ± 0.1851
450
400
350
300
250
200
150

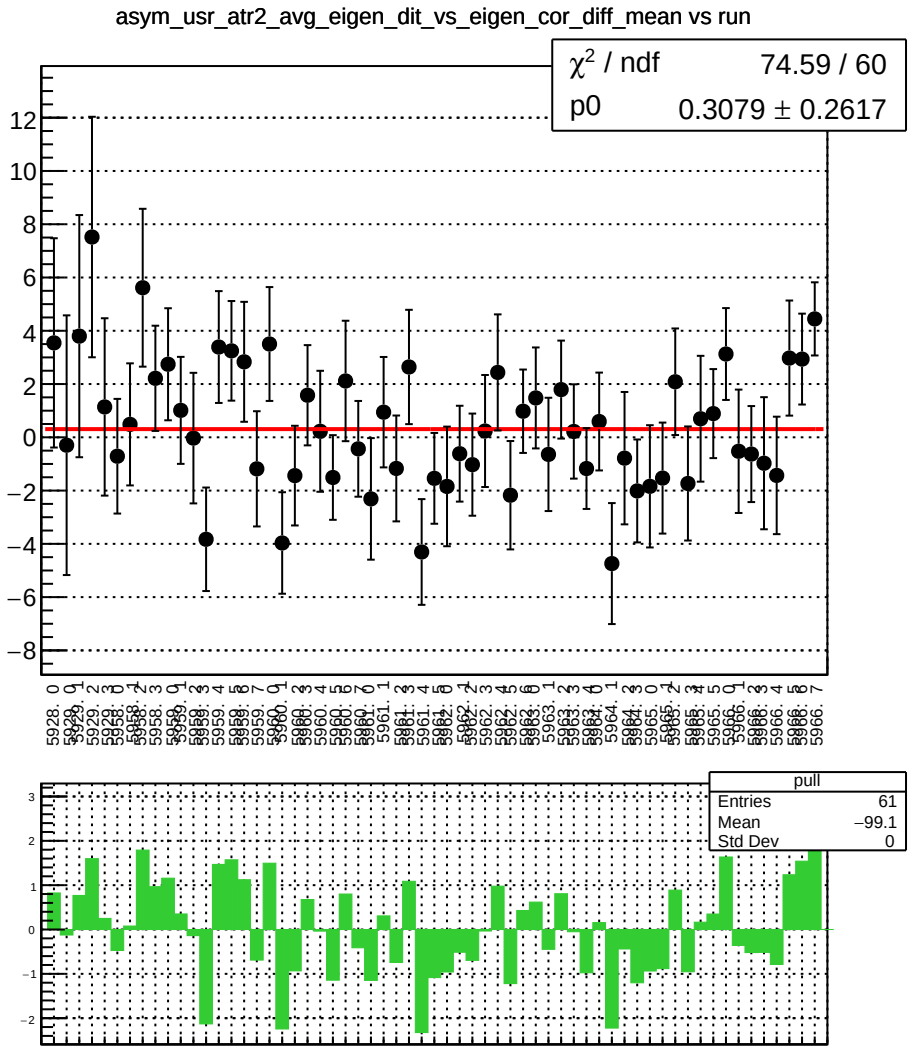

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 72.97 / 60
p0 −1.27e−05 ± 3.259e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 61
Mean 57.45
Std Dev 0

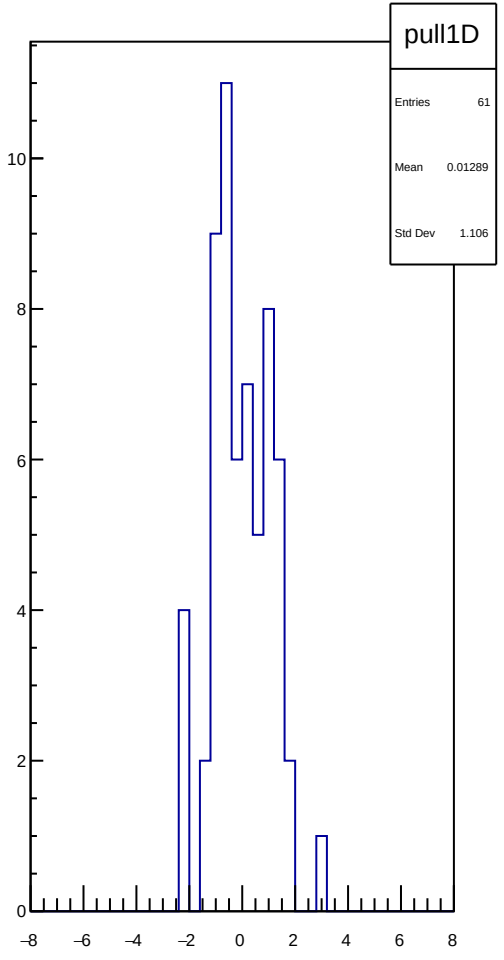

pull1D
Entries 61
Mean 0.01272
Std Dev 1.094

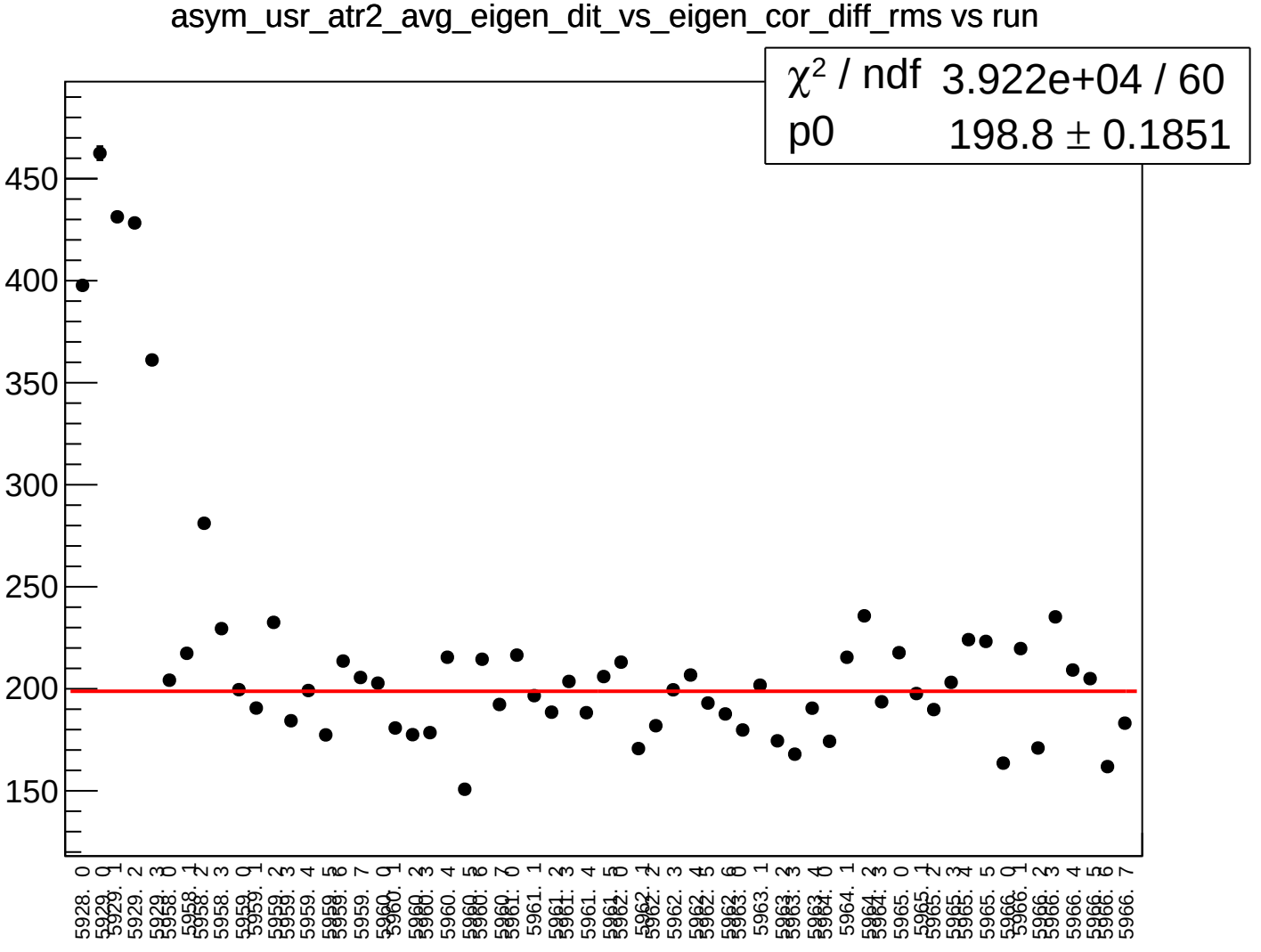

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3700 / 60
p0 0.02513 ± 2.304e−05
0.029
0.028
0.027
0.026
0.025
0.024
0.023
0.022

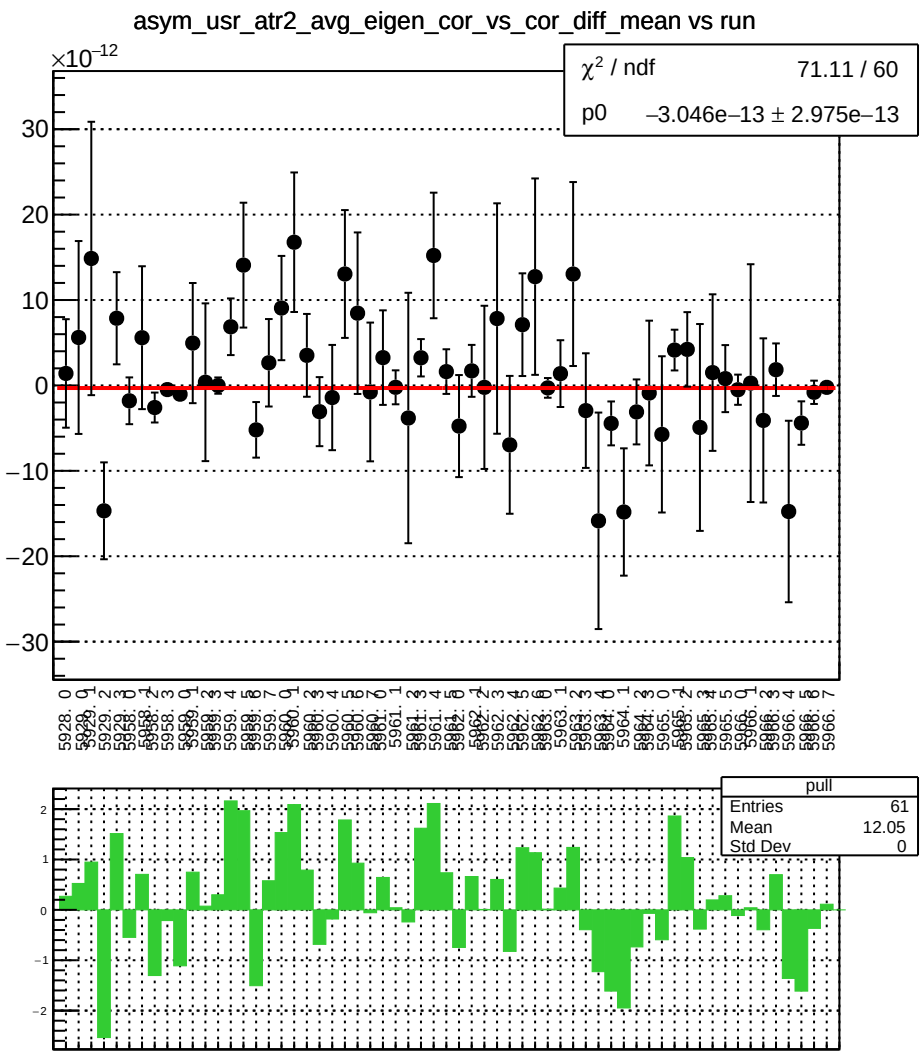

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.59 / 60
p0 0.3079 ± 0.2617
pull
Entries 61
Mean −99.1
Std Dev 0
pull1D
Entries 61
Mean 0.01289
Std Dev 1.106

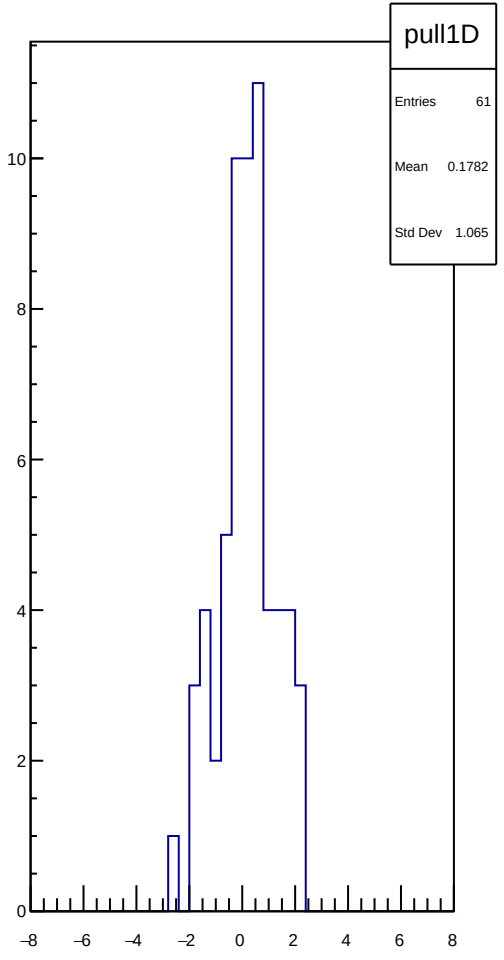

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.922e+04 / 60
p0 198.8 ± 0.1851
450
400
350
300
250
200
150

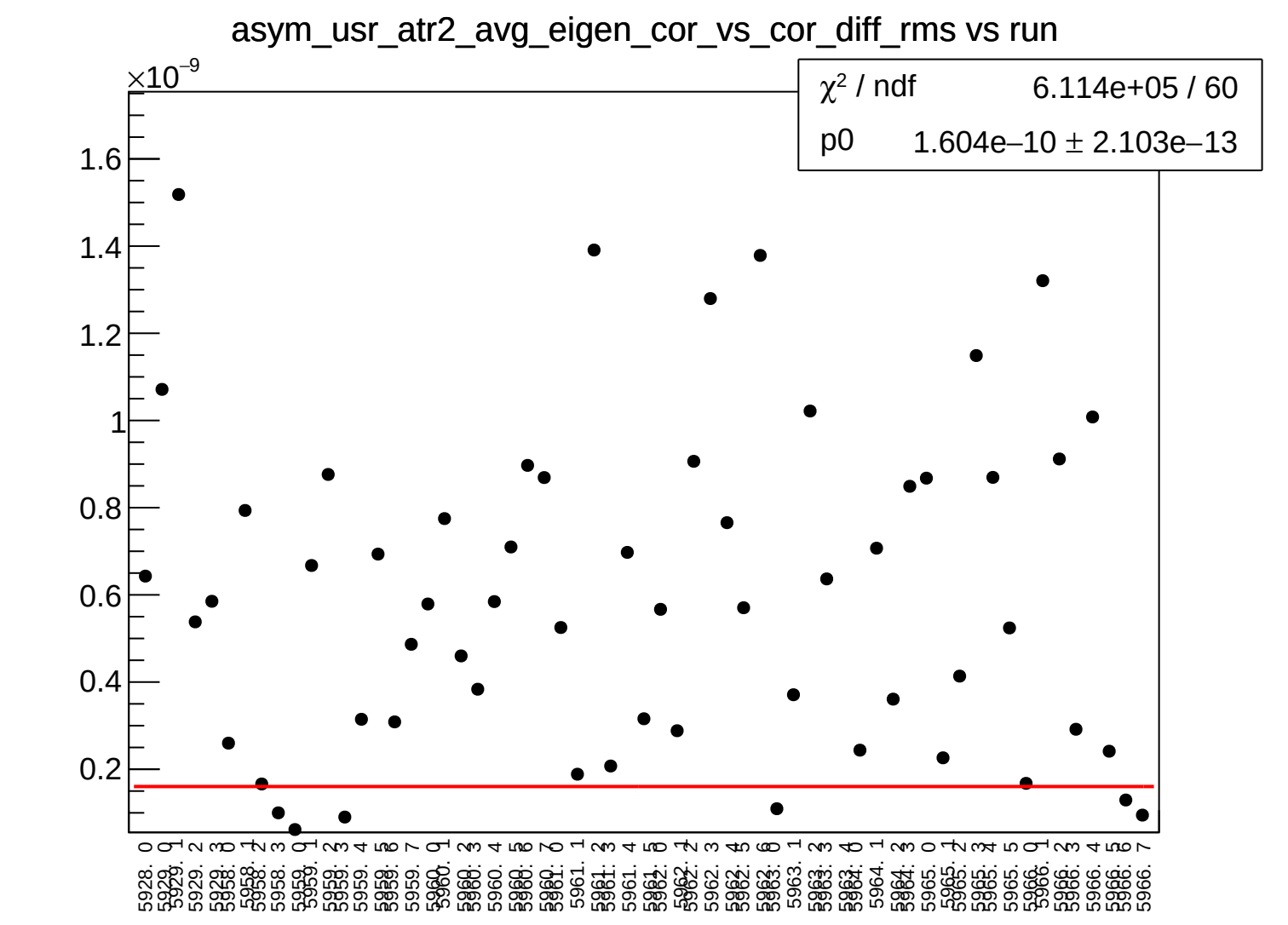

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.59 / 60
p0 0.3079 ± 0.2617
pull
Entries 61
Mean −99.1
Std Dev 0

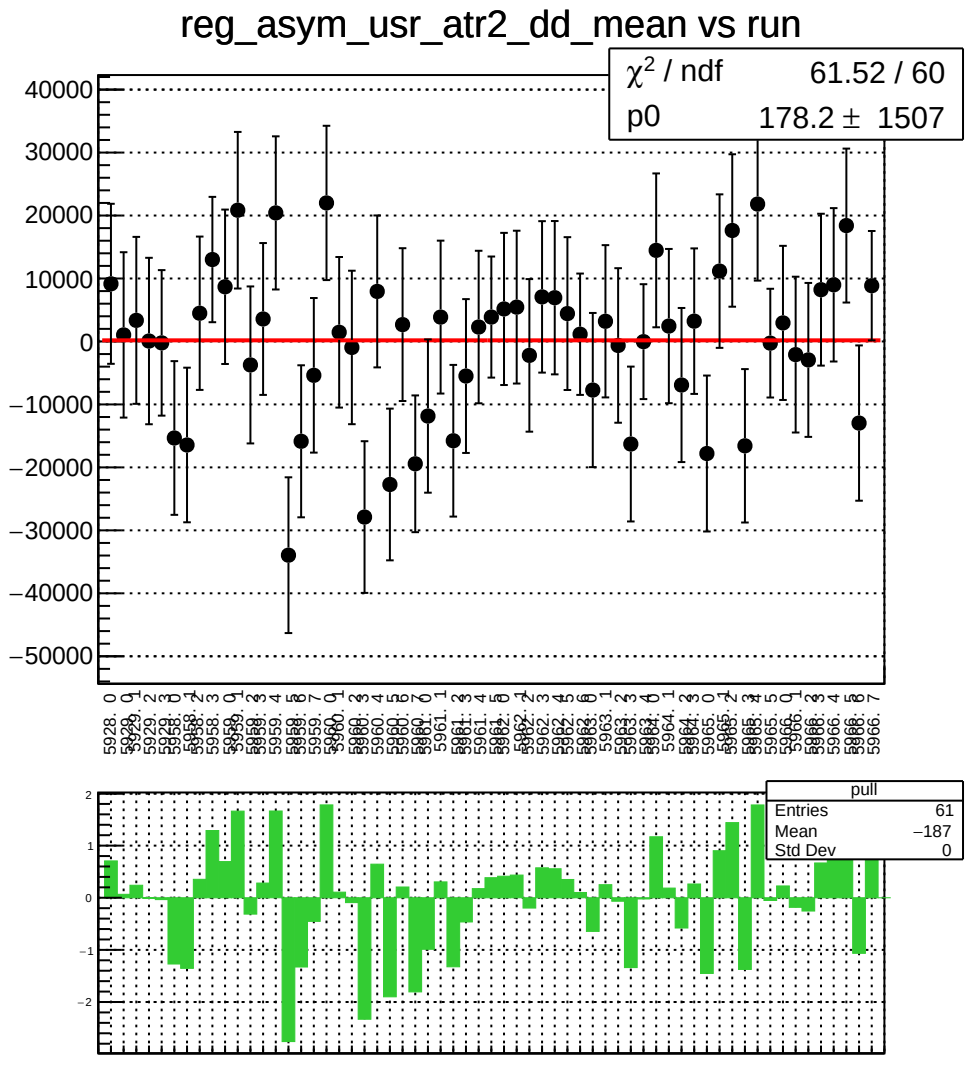

pull1D
Entries 61
Mean 0.01289
Std Dev 1.106

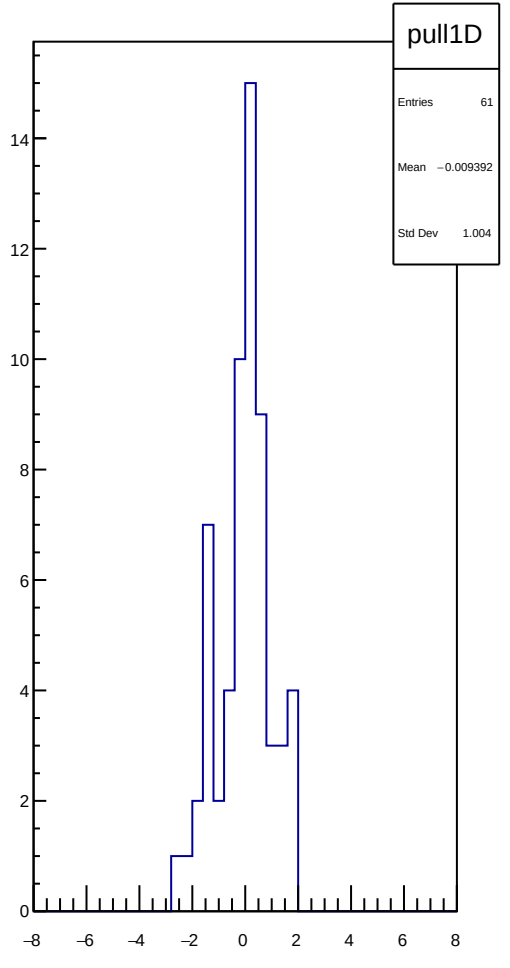

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.922e+04 / 60
p0 198.8 ± 0.1851
450
400
350
300
250
200
150

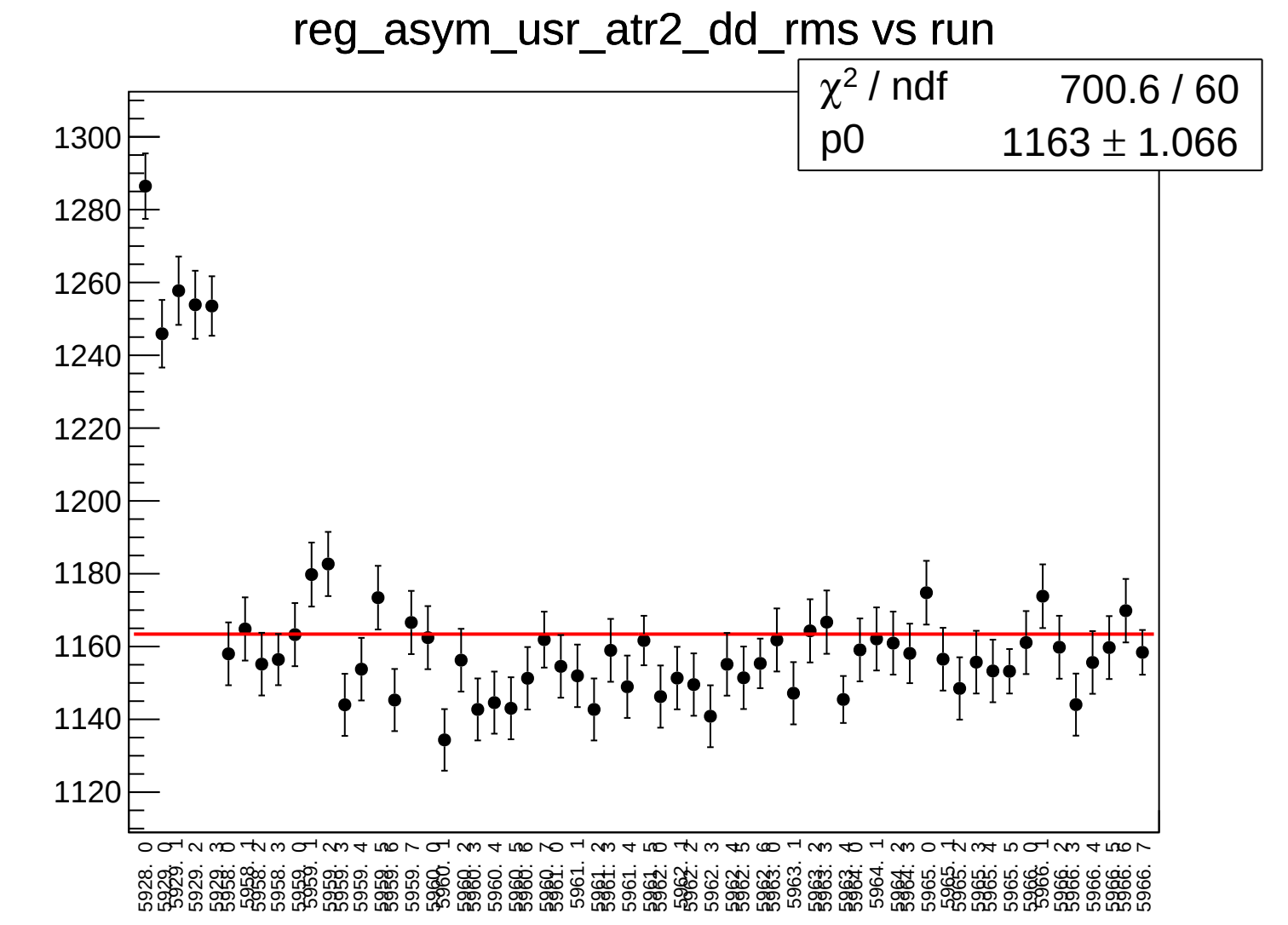

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.11 / 60
p0 −3.046e−13 ± 2.975e−13
pull
Entries 61
Mean 12.05
Std Dev 0

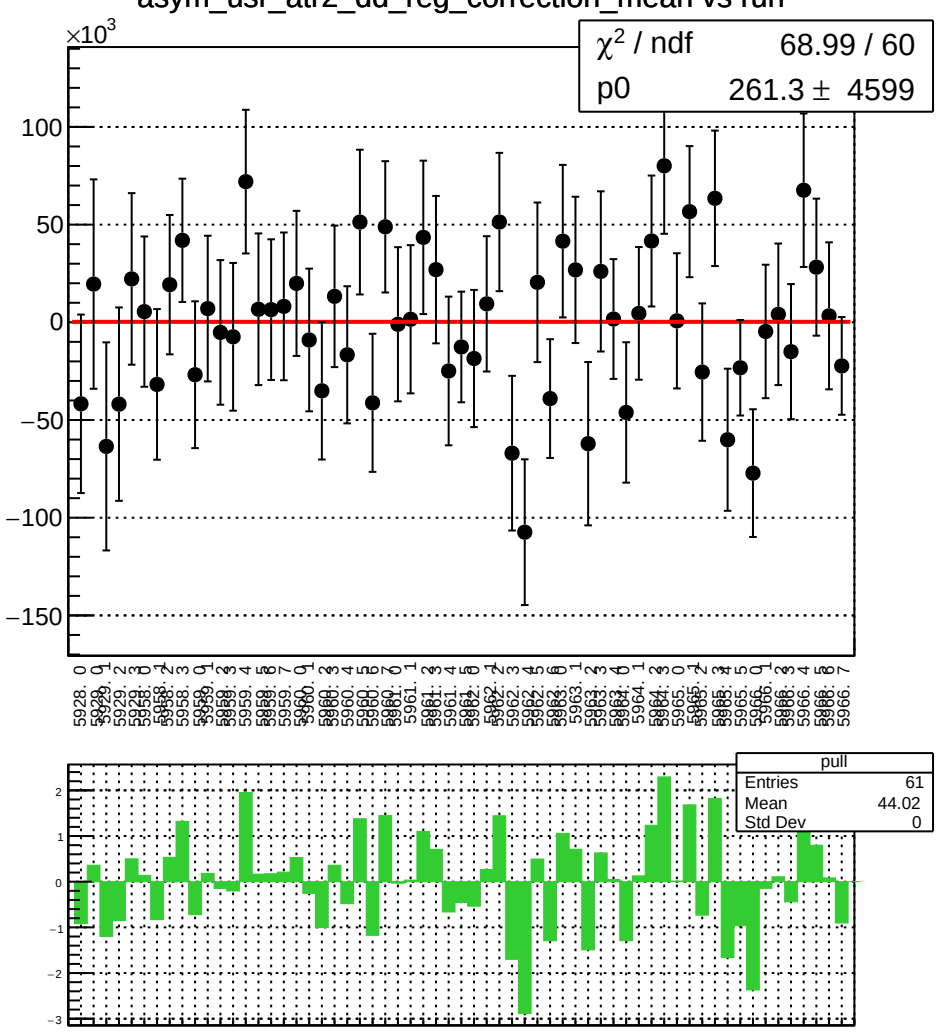

pull1D
Entries 61
Mean 0.1782
Std Dev 1.065

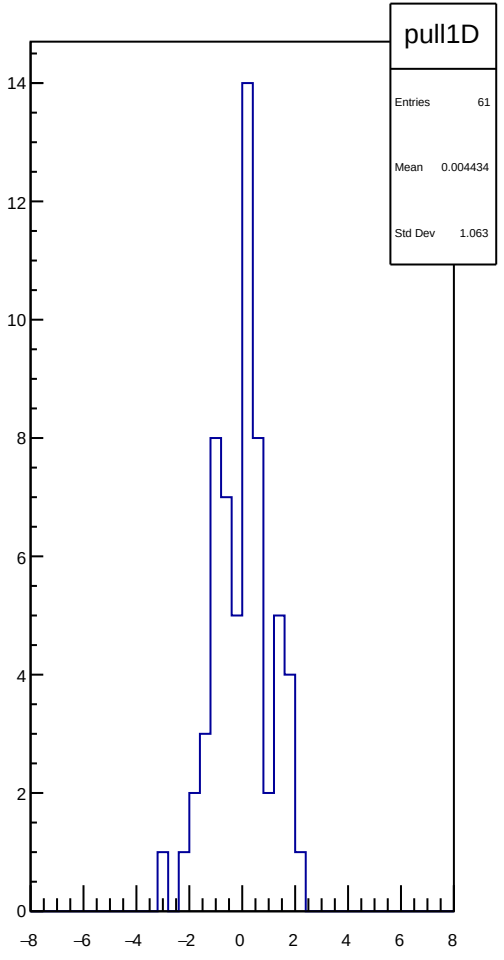

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.114e+05 / 60
p0 1.604e−10 ± 2.103e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

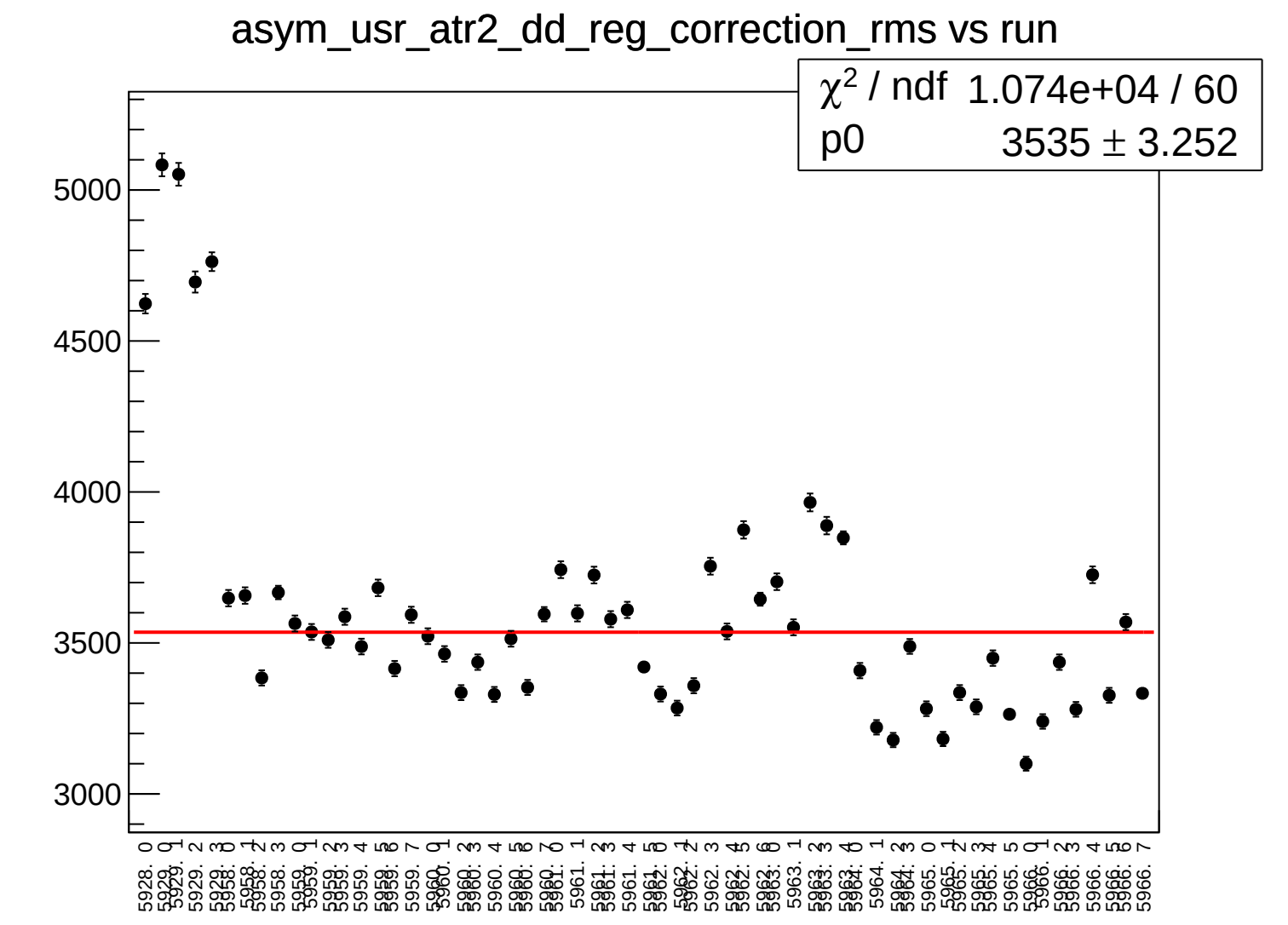

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.52 / 60
p0 178.2 ± 1507
pull
Entries 61
Mean −187
Std Dev 0

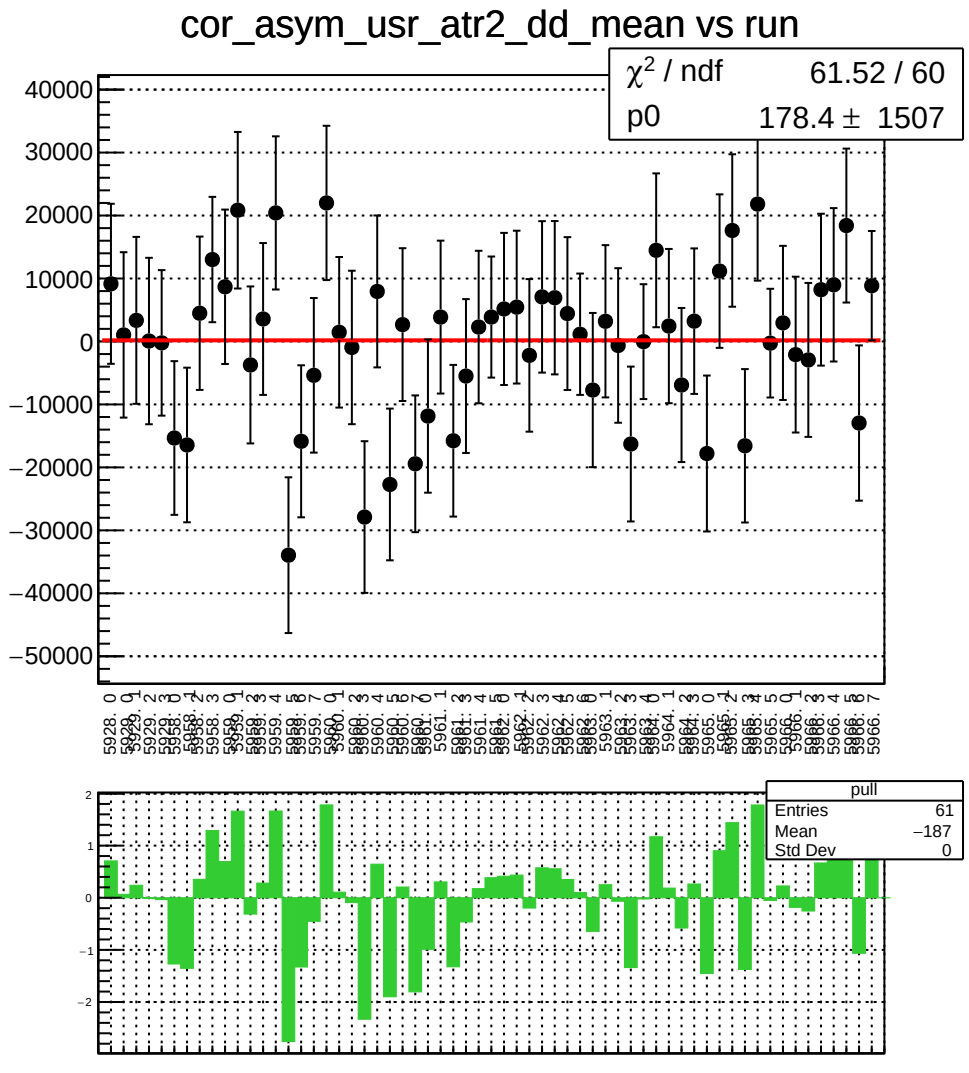

pull1D
Entries 61
Mean −0.009392
Std Dev 1.004

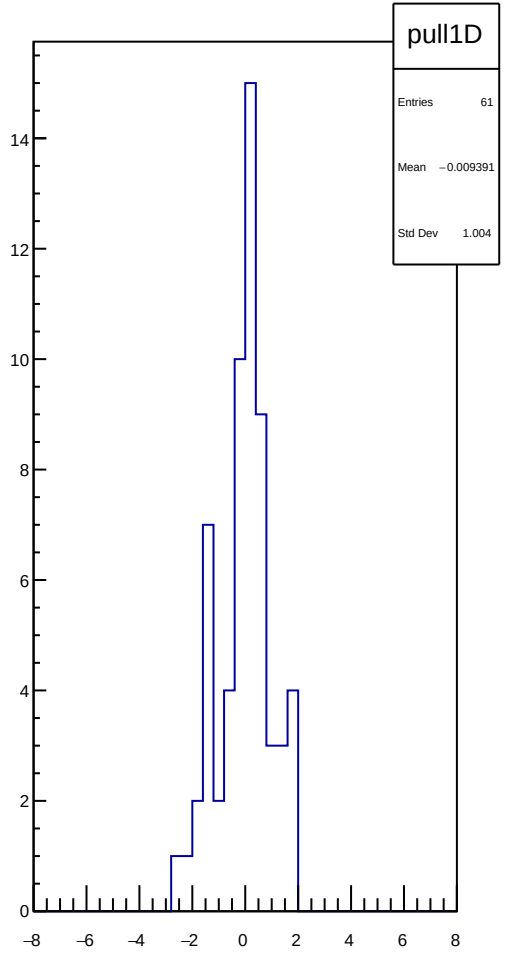

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 700.6 / 60
p0 1163 ± 1.066
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

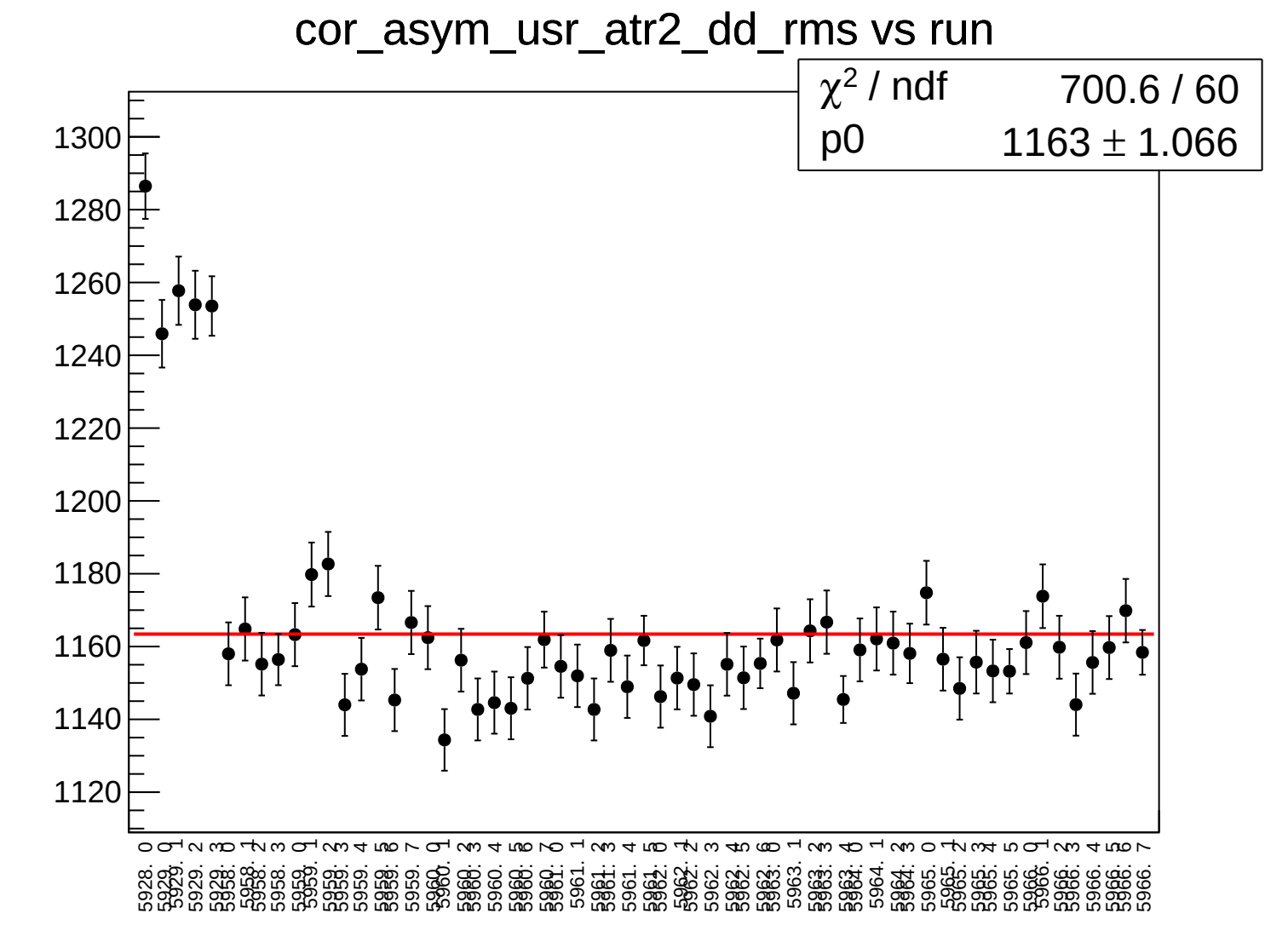

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 68.99 / 60
p0 261.3 ± 4599
pull
Entries 61
Mean 44.02
Std Dev 0

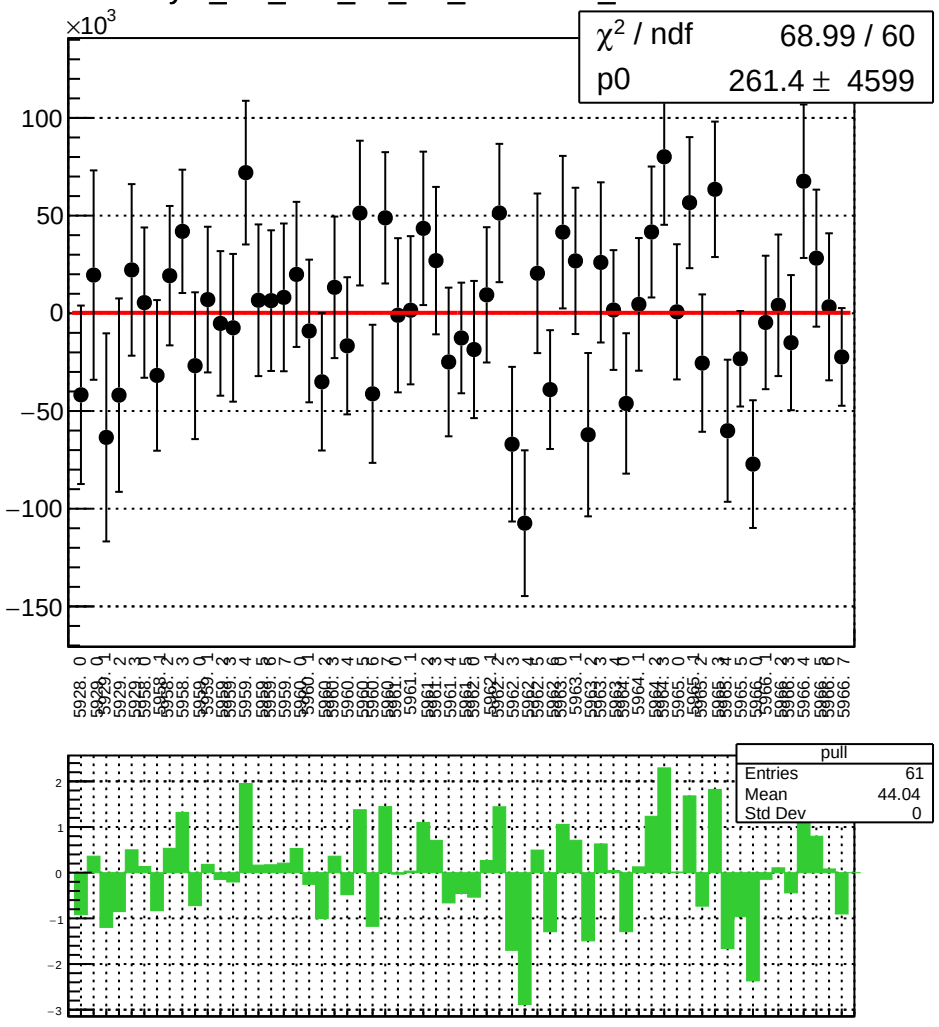

pull1D
Entries 61
Mean 0.004434
Std Dev 1.063

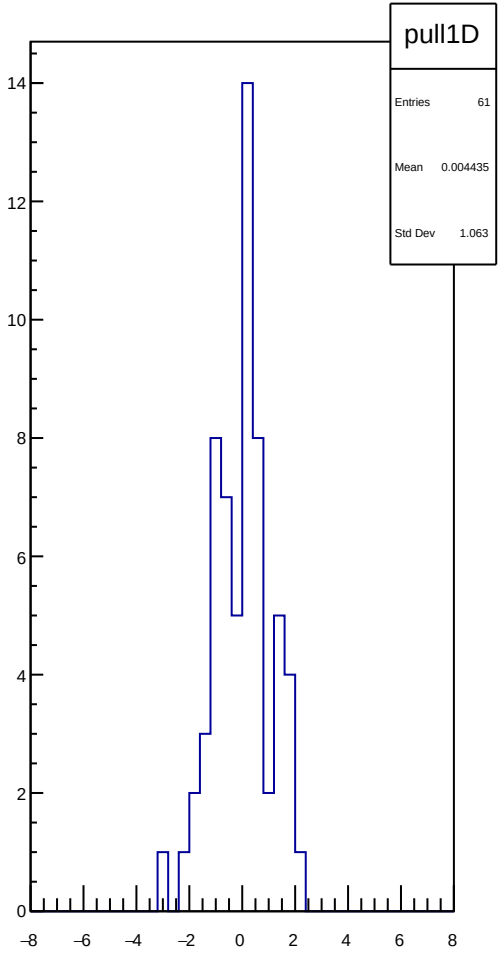

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1.074e+04 / 60
p0 3535 ± 3.252
5000
4500
4000
3500
3000

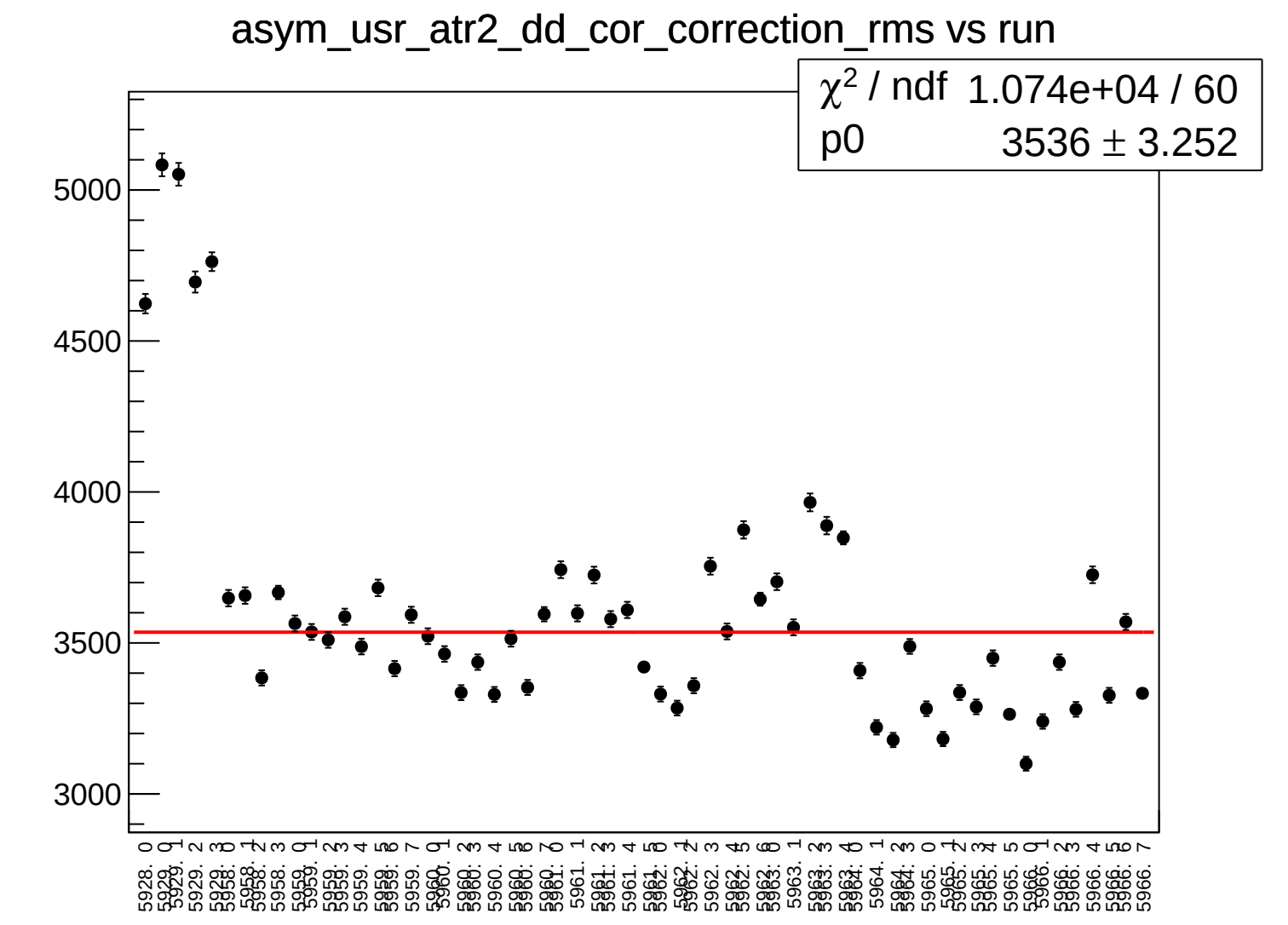

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.52 / 60
p0 178.4 ± 1507
pull
Entries 61
Mean −187
Std Dev 0

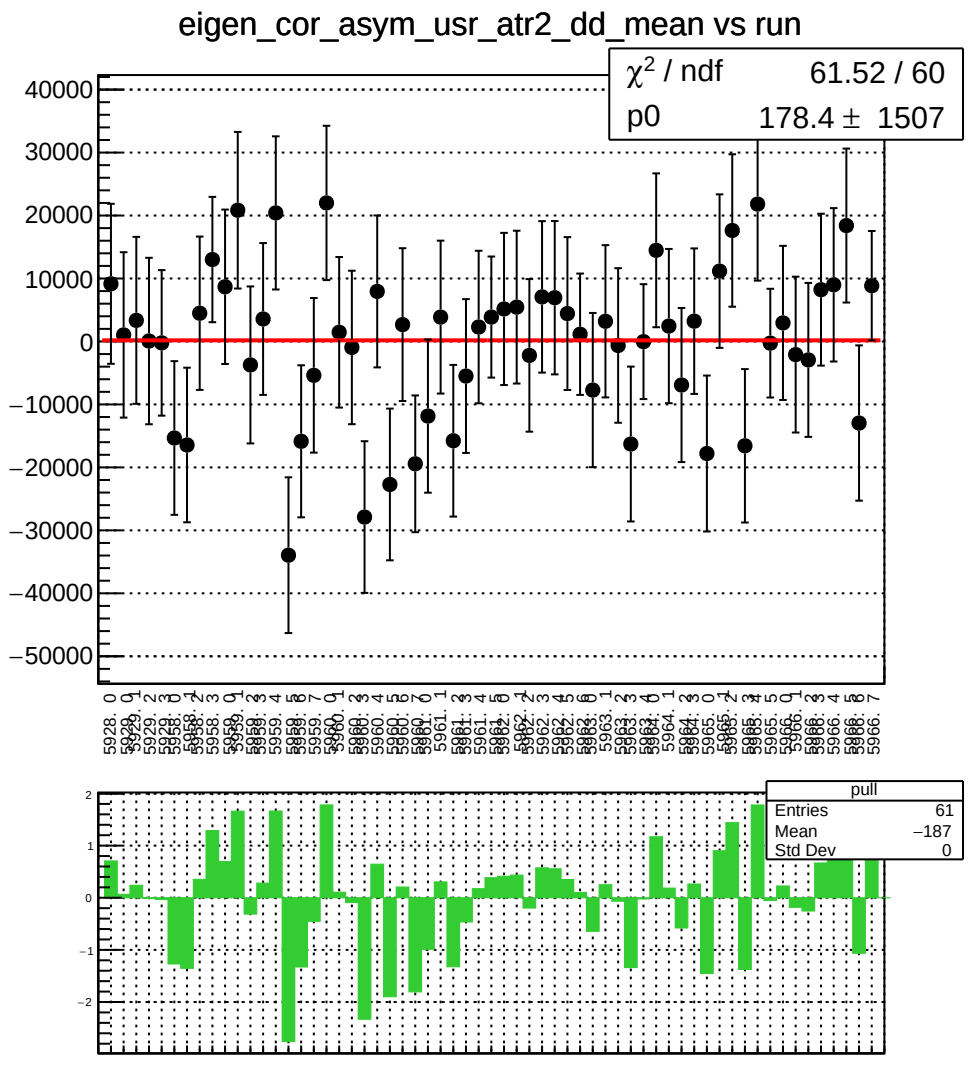

pull1D
Entries 61
Mean −0.009391
Std Dev 1.004

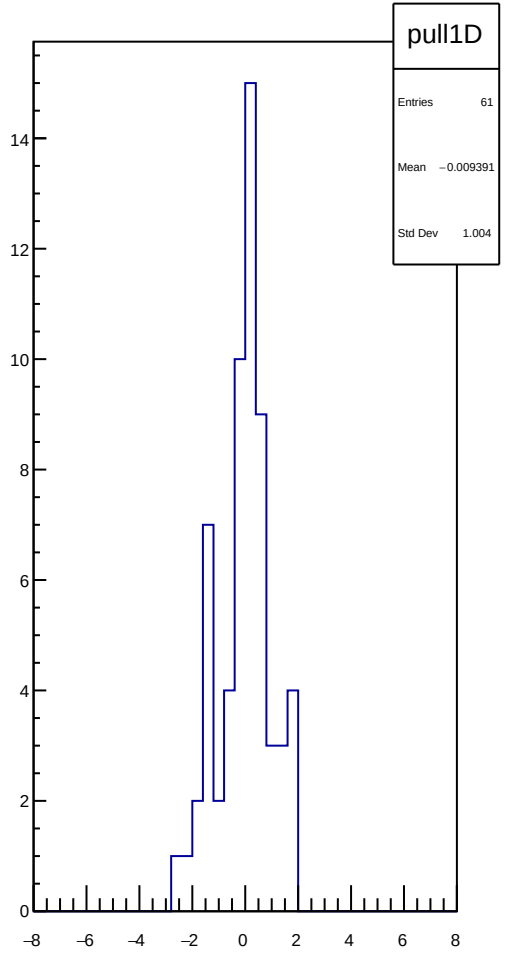

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 700.6 / 60
p0 1163 ± 1.066
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

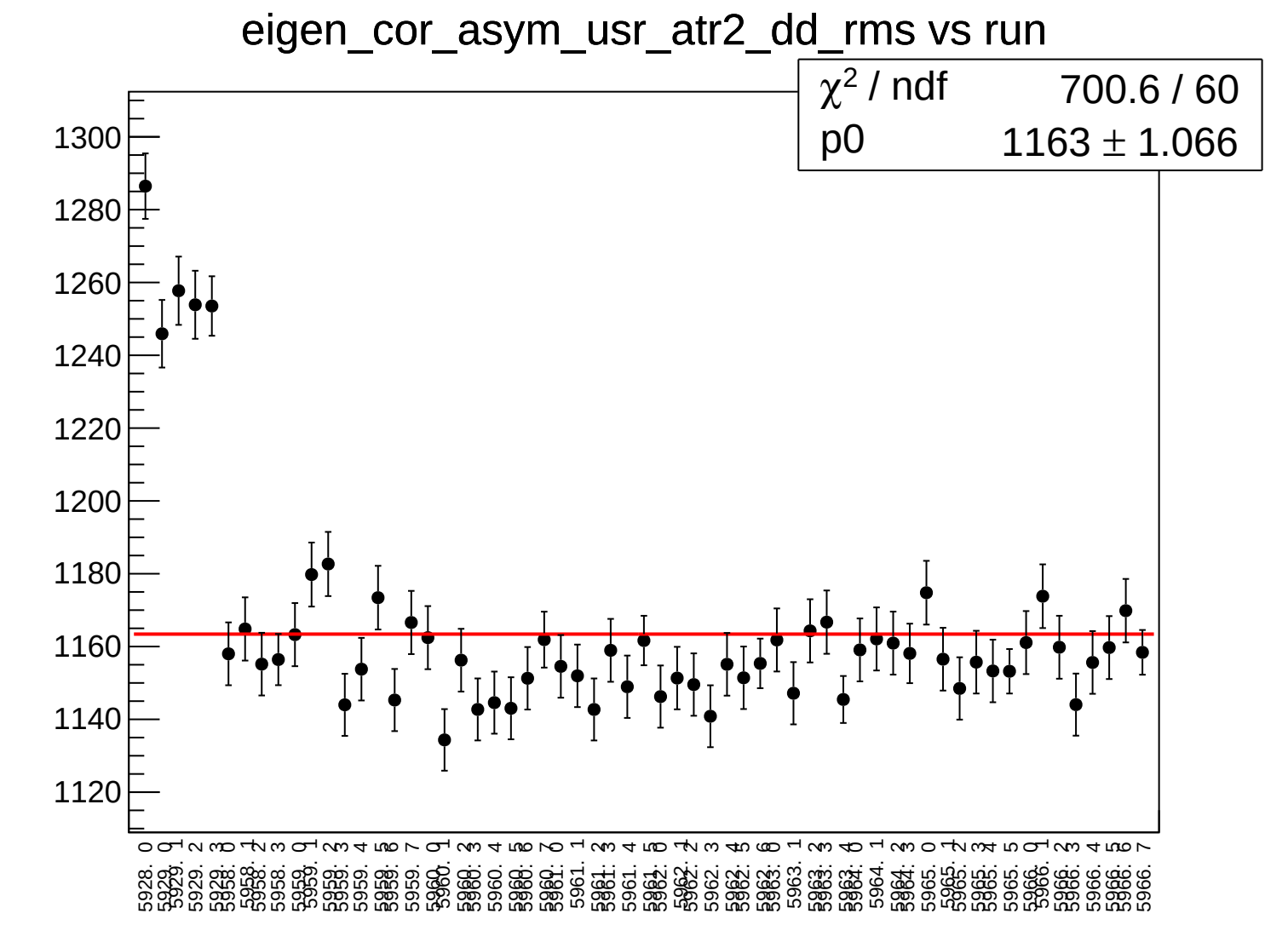

asym_usr_atr2_dd_cor_correction_mean vs run
χ² / ndf 68.99 / 60
p0 261.4 ± 4599
pull
Entries 61
Mean 44.04
Std Dev 0

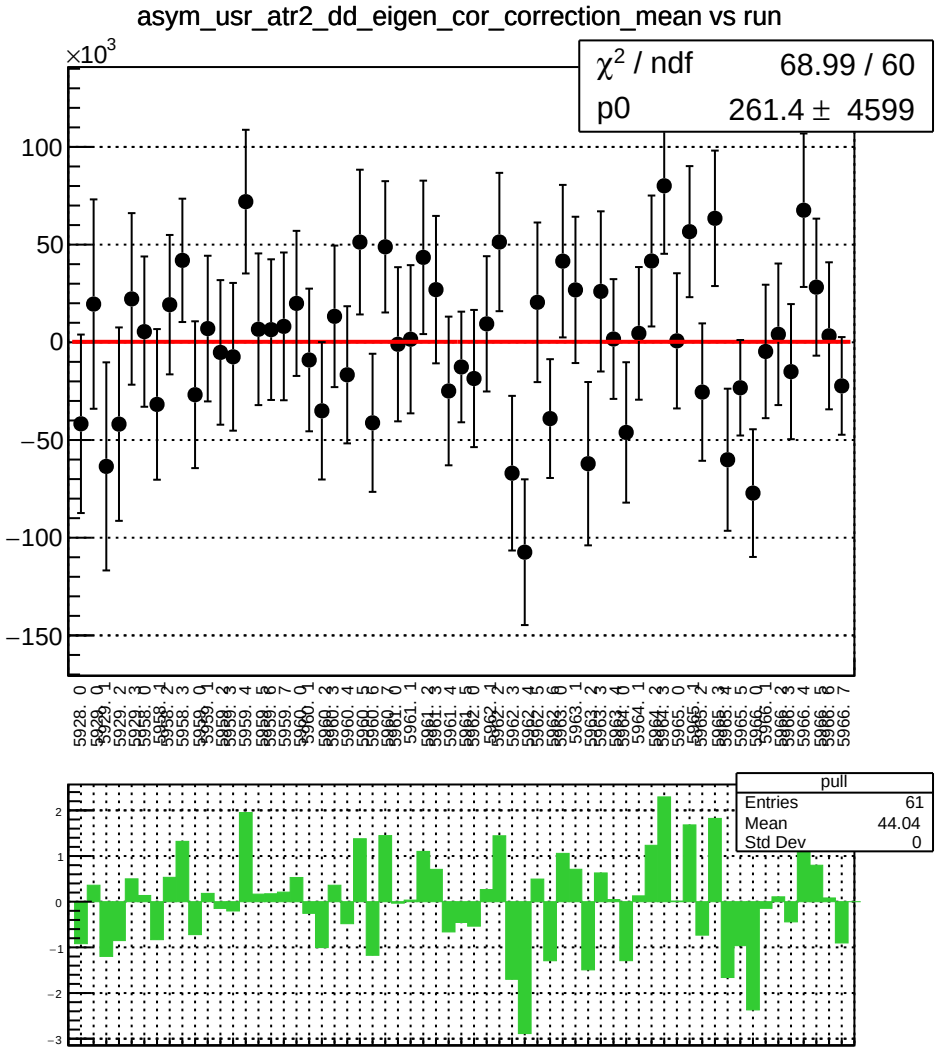

pull1D
Entries 61
Mean 0.004435
Std Dev 1.063

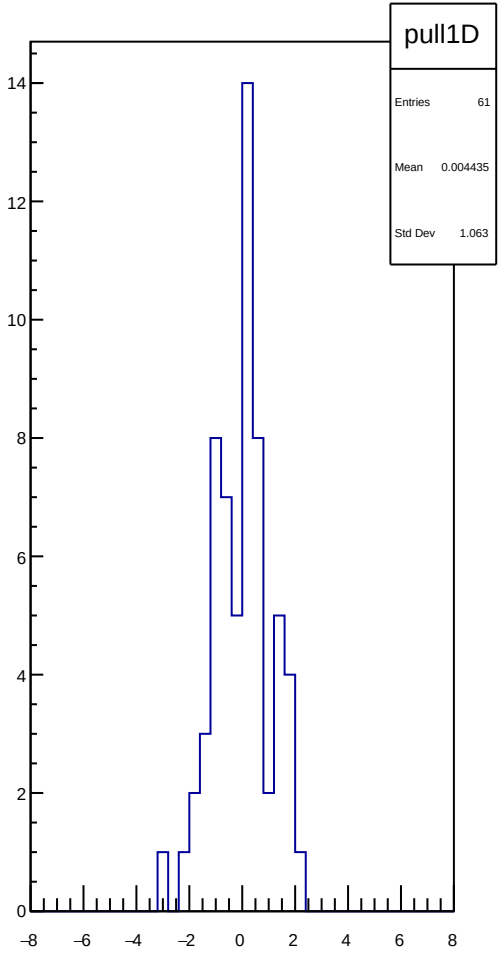

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1.074e+04 / 60
p0 3536 ± 3.252
5000
4500
4000
3500
3000

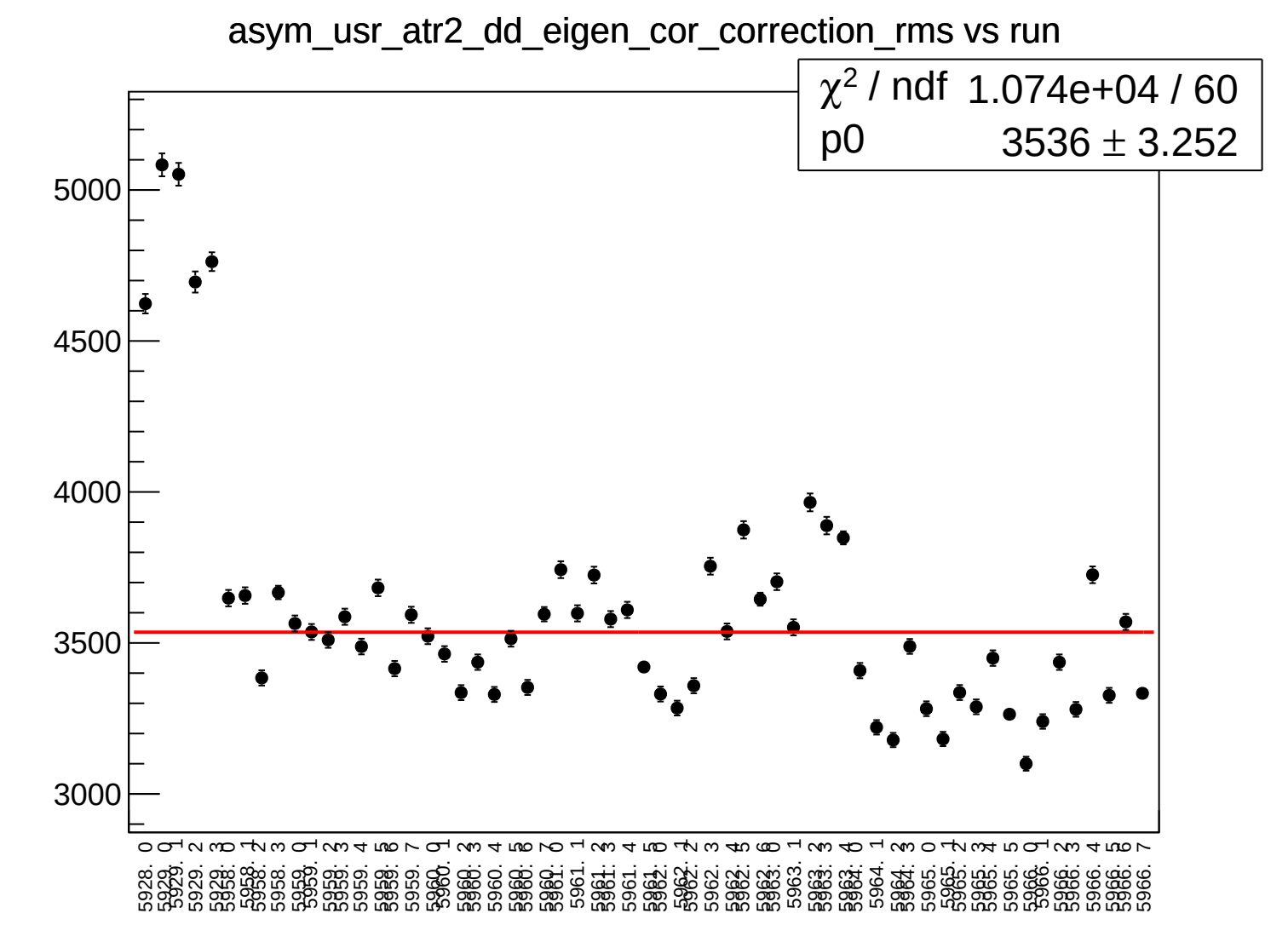

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 61.52 / 60
p0 178.4 ± 1507
pull
Entries 61
Mean −187
Std Dev 0

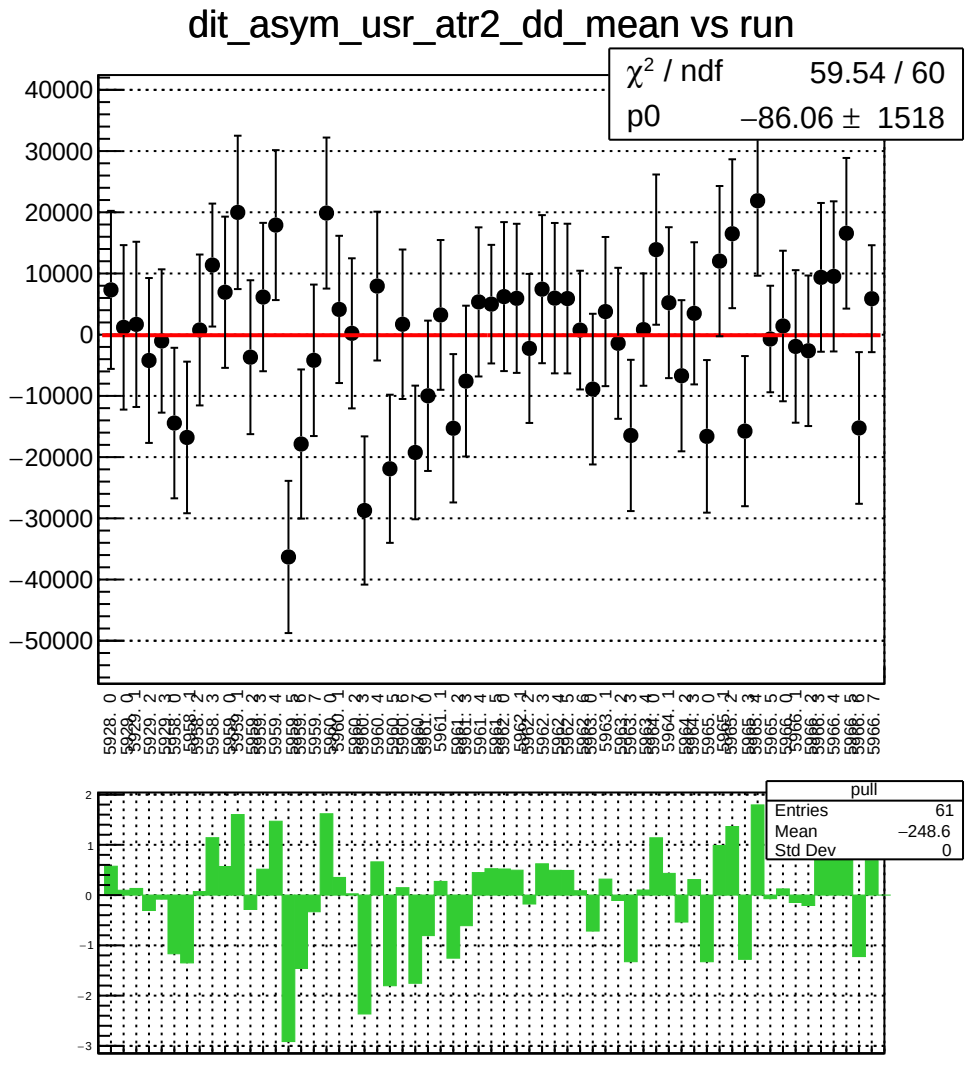

pull1D
Entries 61
Mean −0.009391
Std Dev 1.004

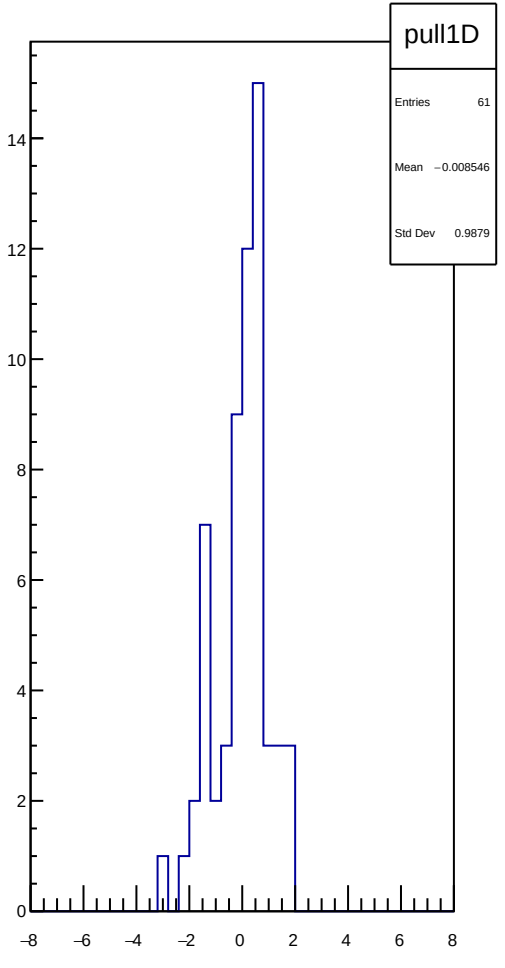

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 700.6 / 60
p0 1163 ± 1.066
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

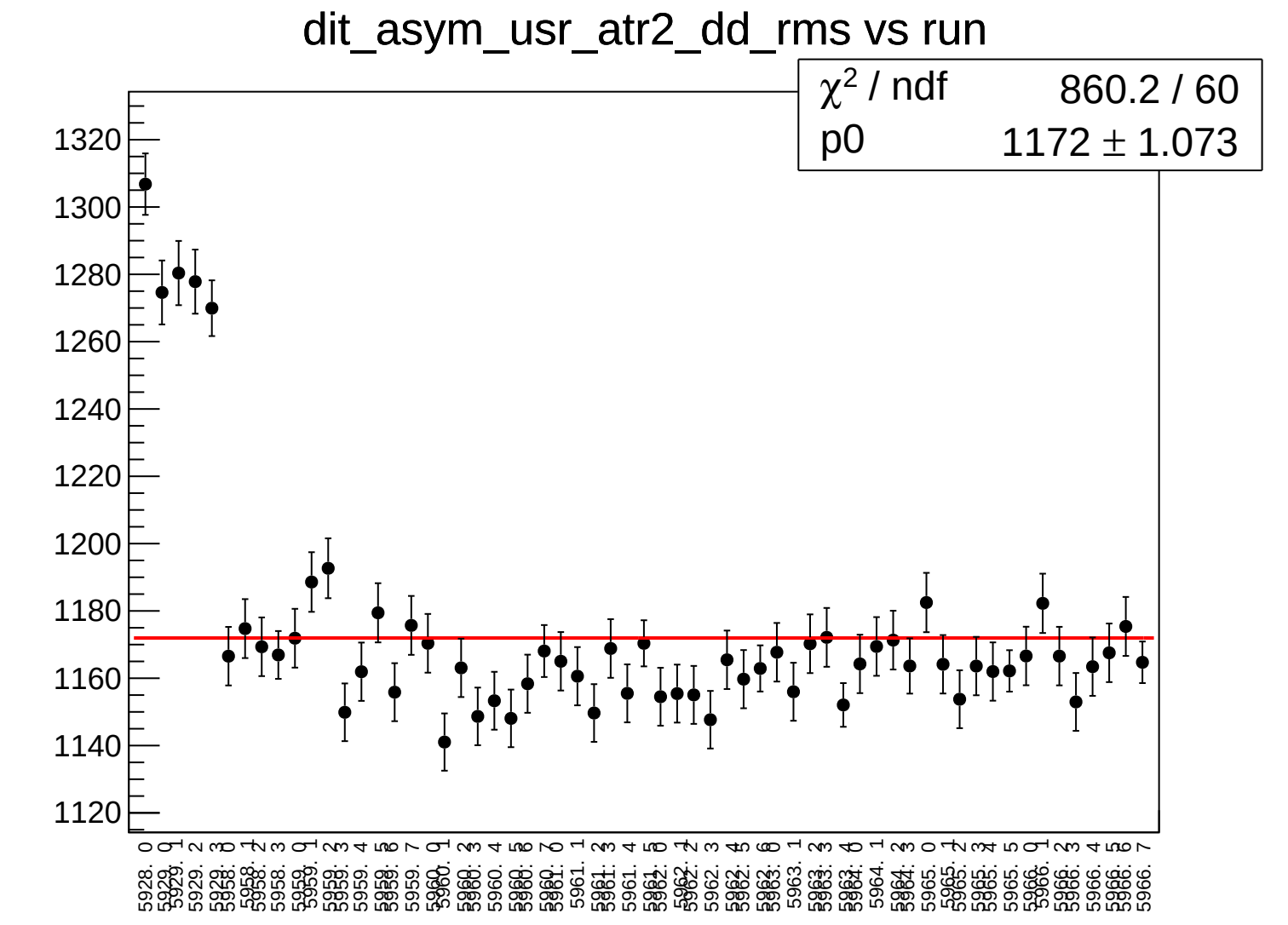

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.99 / 60
p0 261.4 ± 4599
100
50
0
−50
−100
−150
pull
Entries 61
Mean 44.04
Std Dev 0
2
1
0
−1
−2
−3

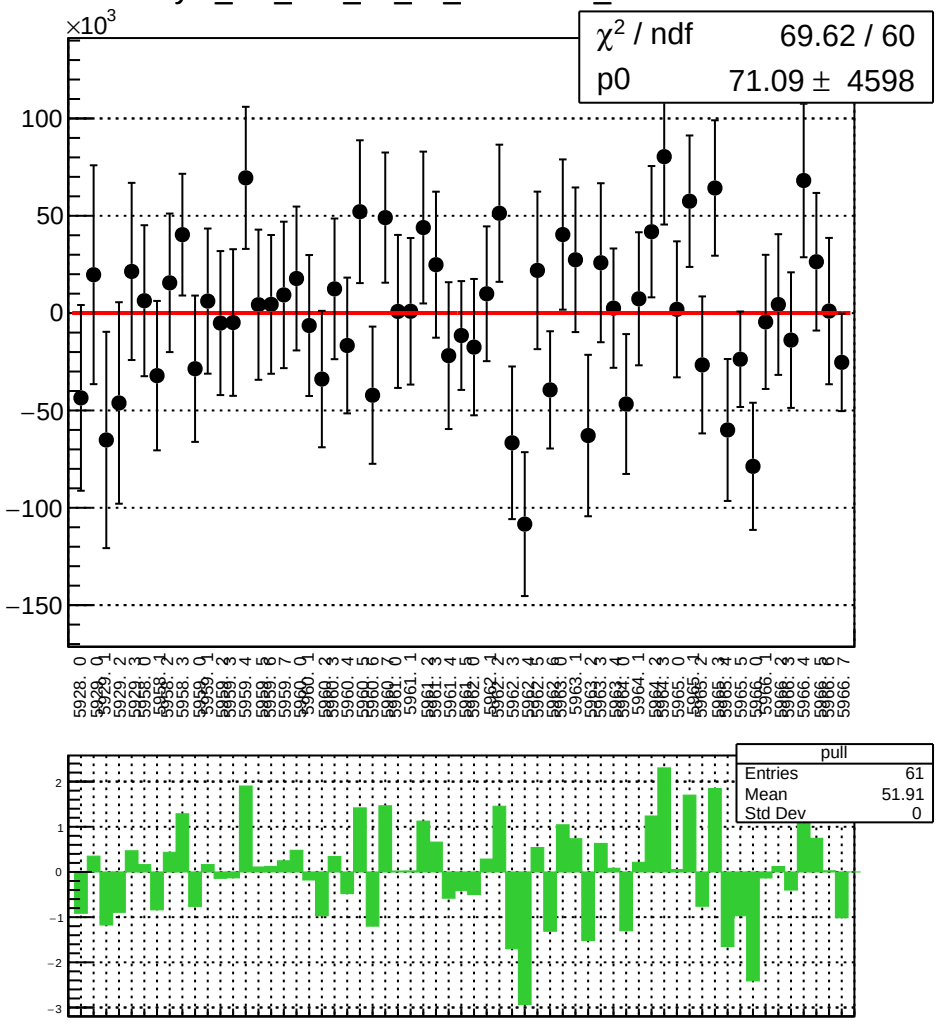

pull1D
Entries 61
Mean 0.004435
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

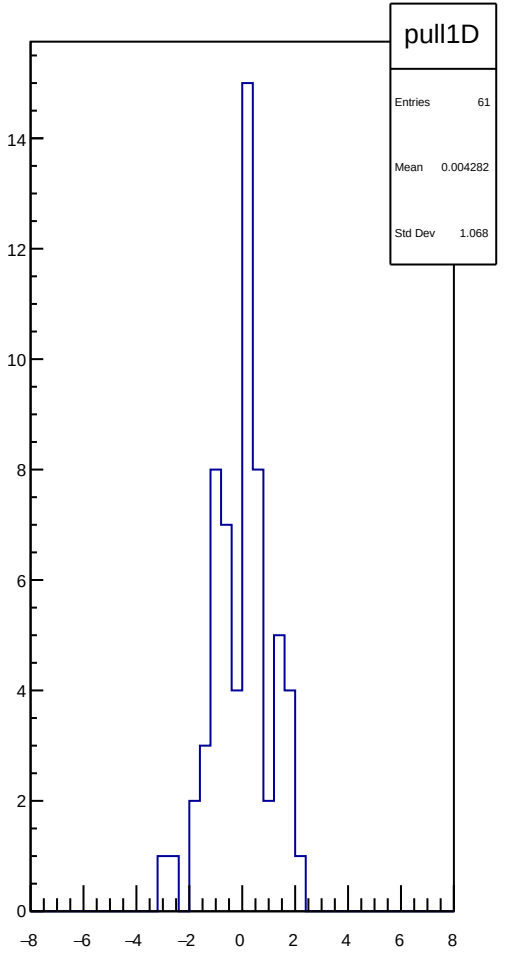

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.074e+04 / 60
p0 3536 ± 3.252
5000
4500
4000
3500
3000

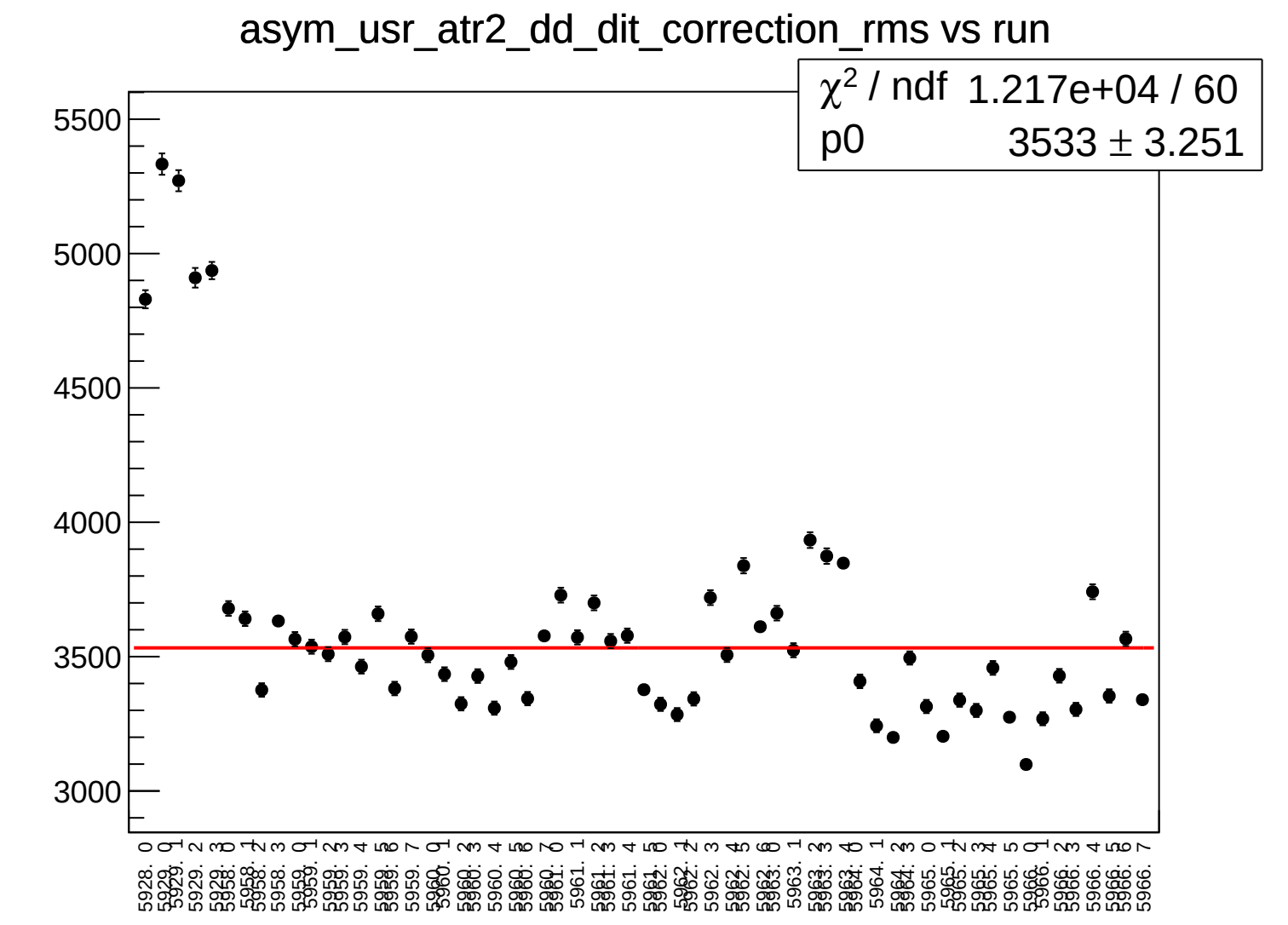

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 59.54 / 60
p0 −86.06 ± 1518
pull
Entries 61
Mean −248.6
Std Dev 0

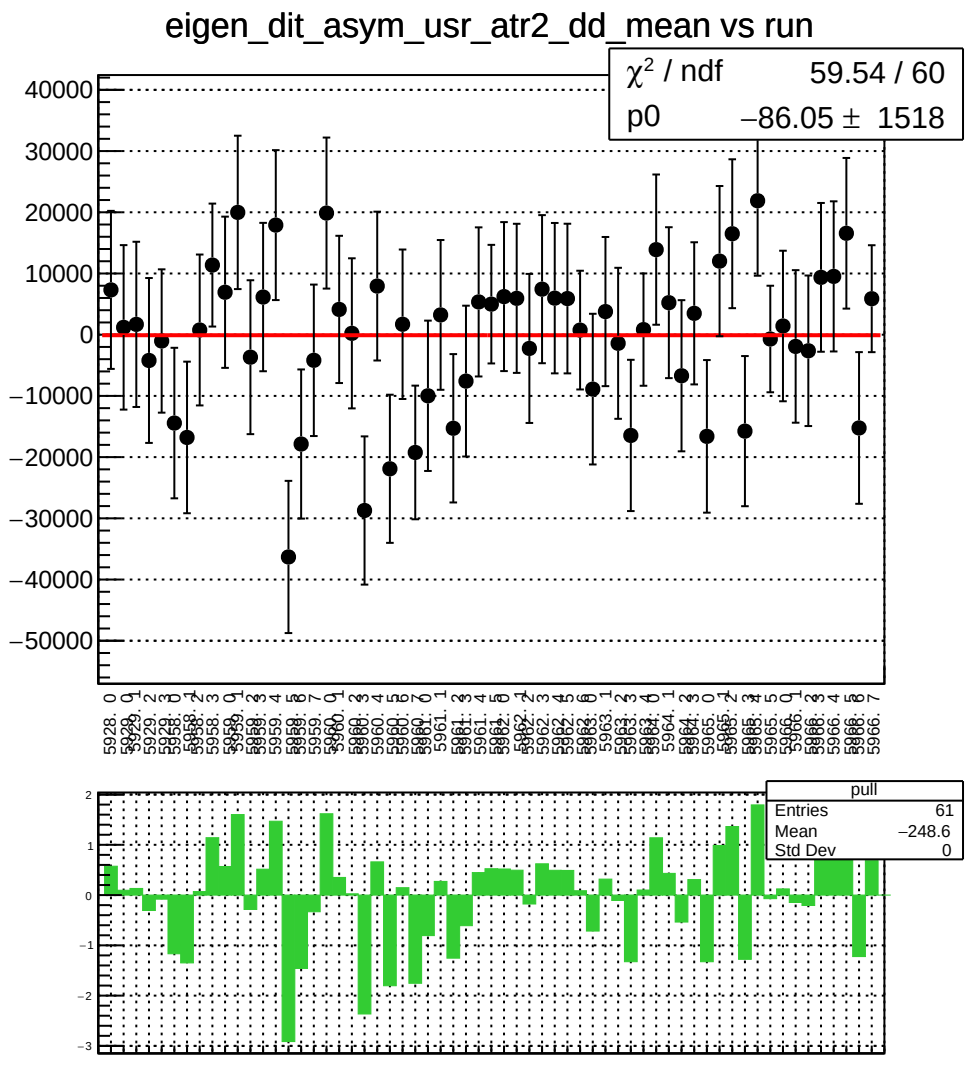

pull1D
Entries 61
Mean −0.008546
Std Dev 0.9879

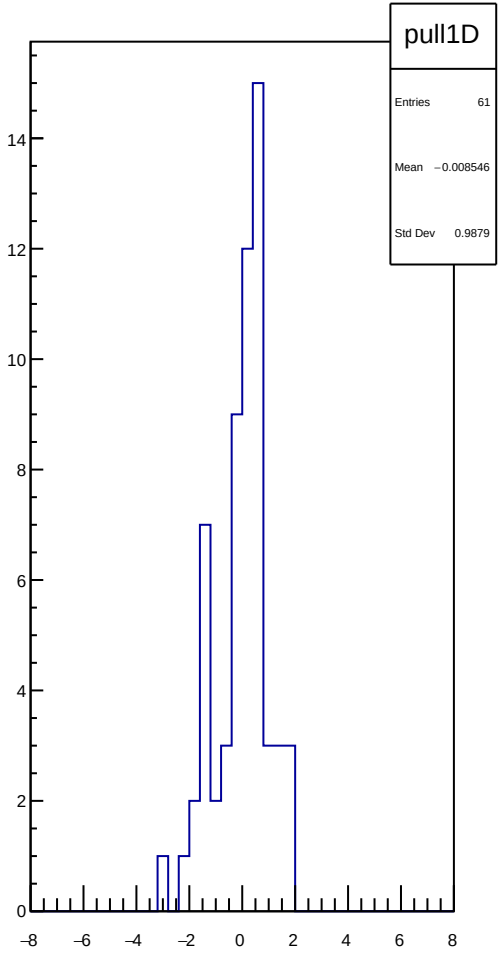

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 860.2 / 60
p0 1172 ± 1.073
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

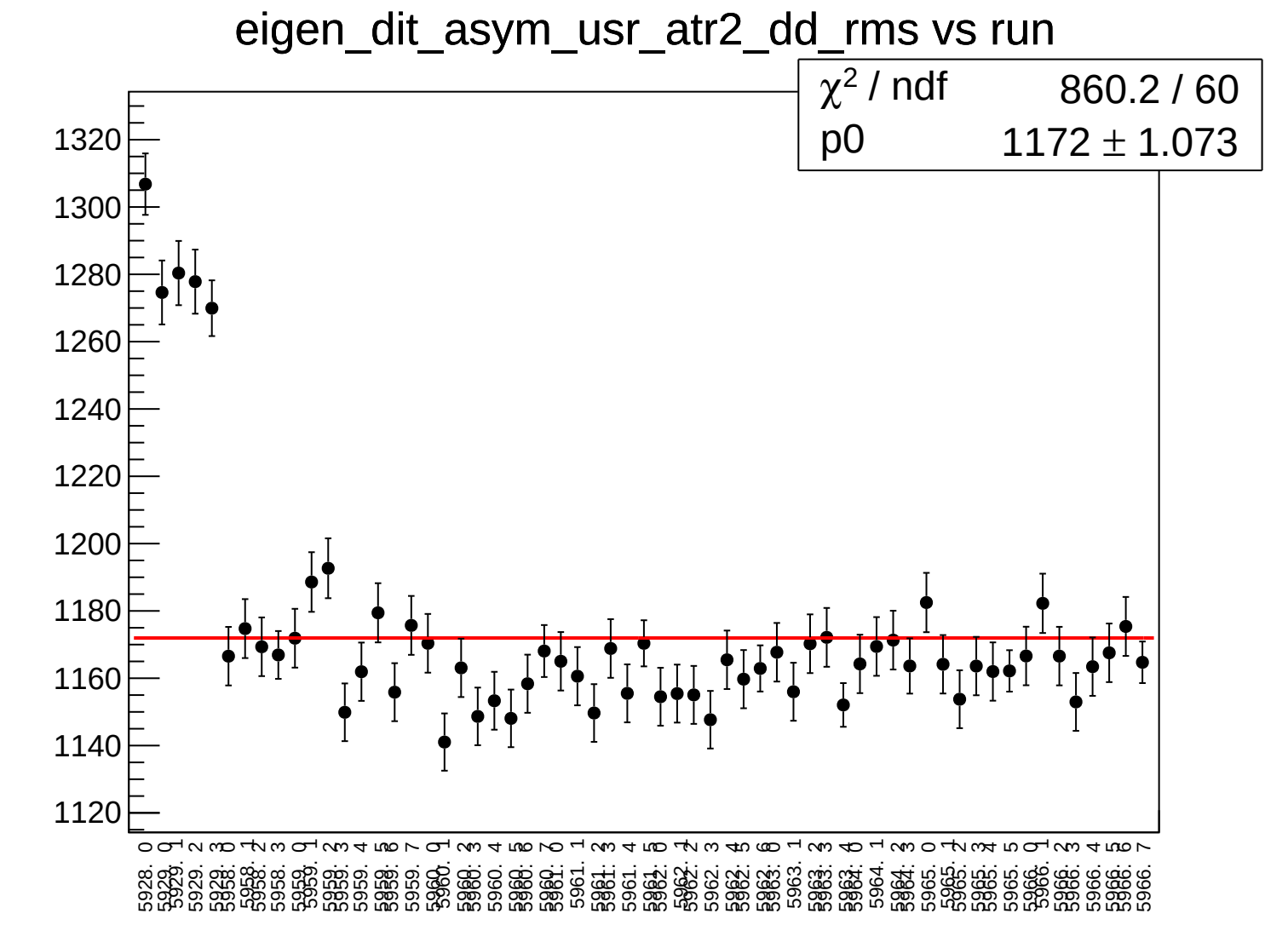

asym_usr_atr2_dd_dit_correction_mean vs run
χ² / ndf 69.62 / 60
p0 71.09 ± 4598
pull
Entries 61
Mean 51.91
Std Dev 0

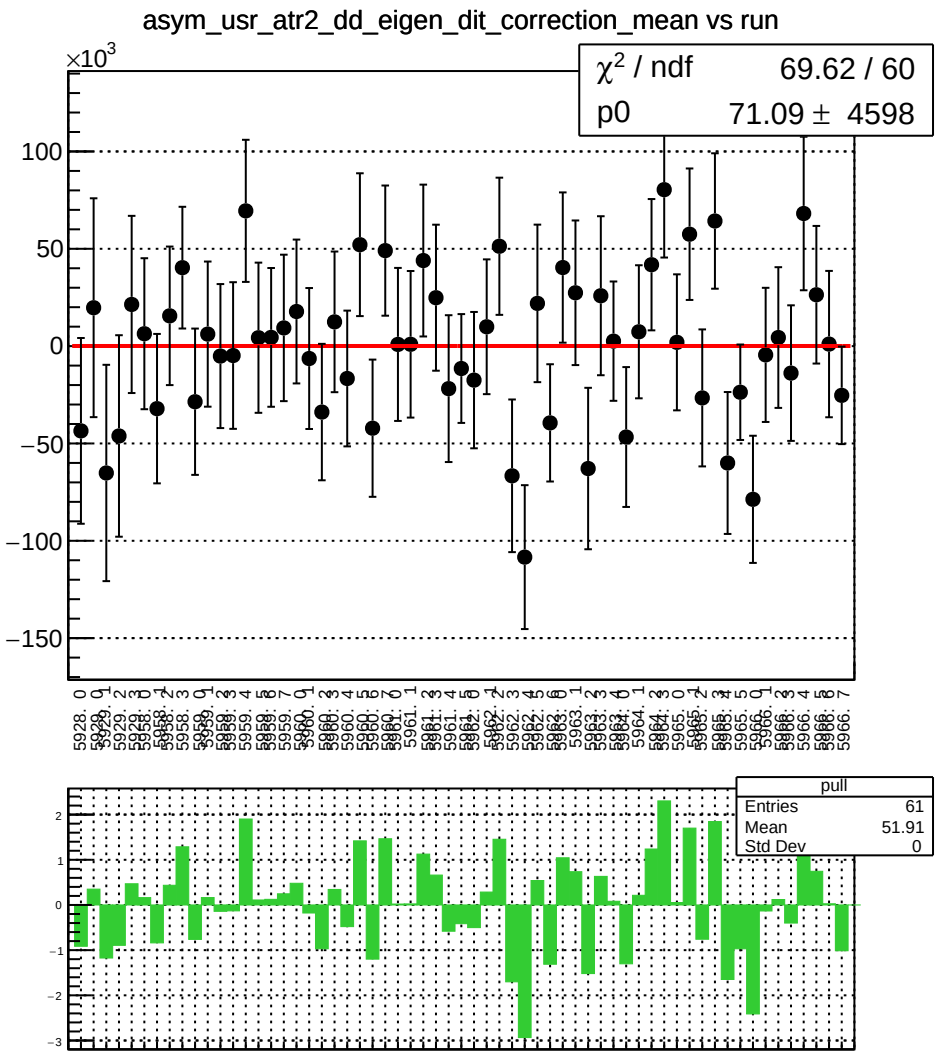

pull1D
Entries 61
Mean 0.004282
Std Dev 1.068

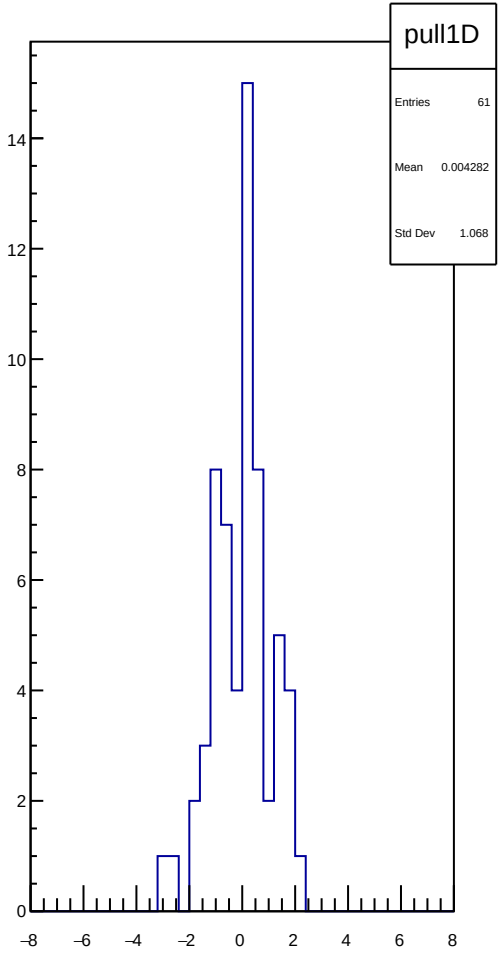

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 1.217e+04 / 60
p0 3533 ± 3.251
5500
5000
4500
4000
3500
3000

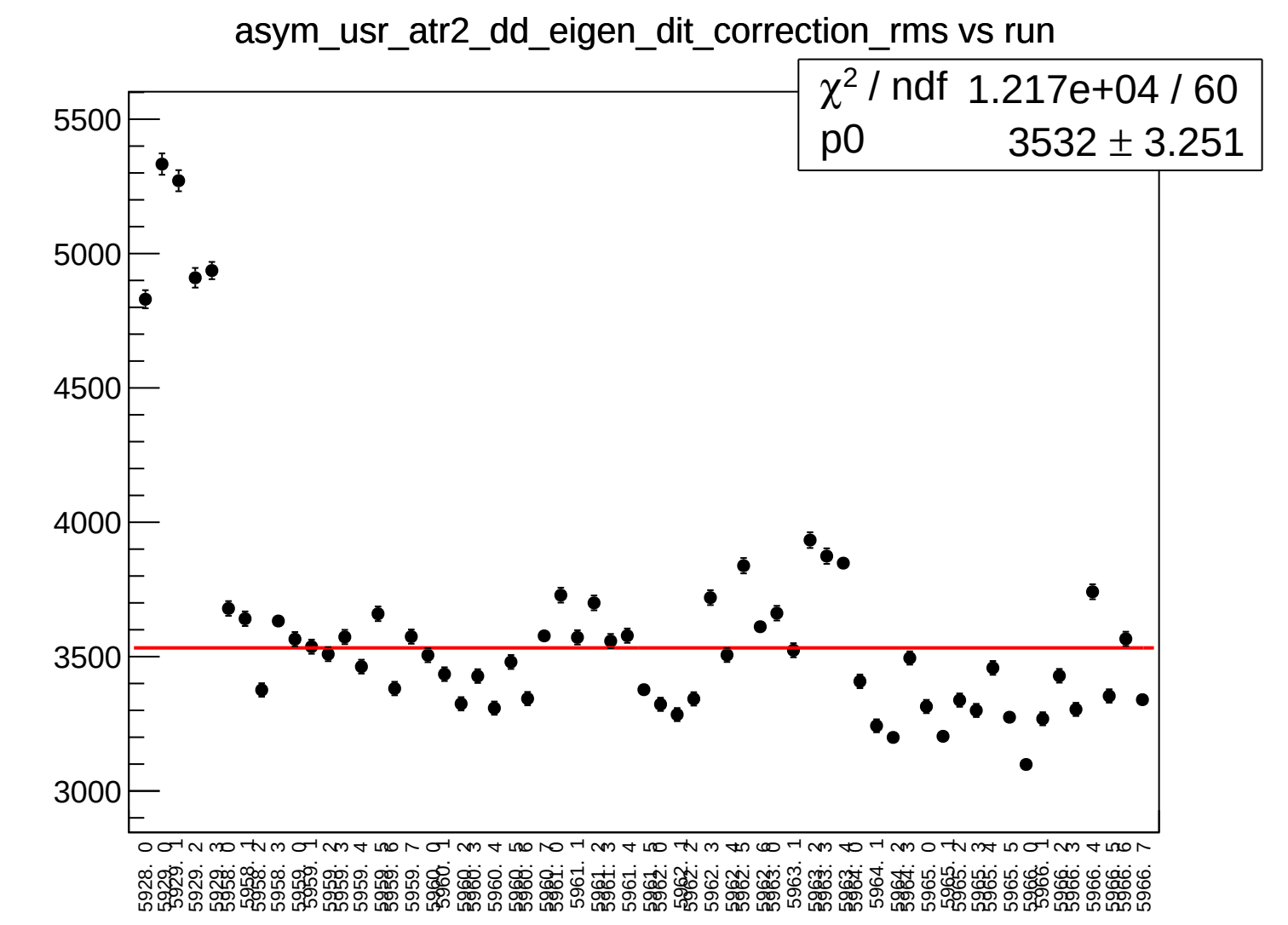

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 59.54 / 60
p0 −86.05 ± 1518
pull
Entries 61
Mean −248.6
Std Dev 0

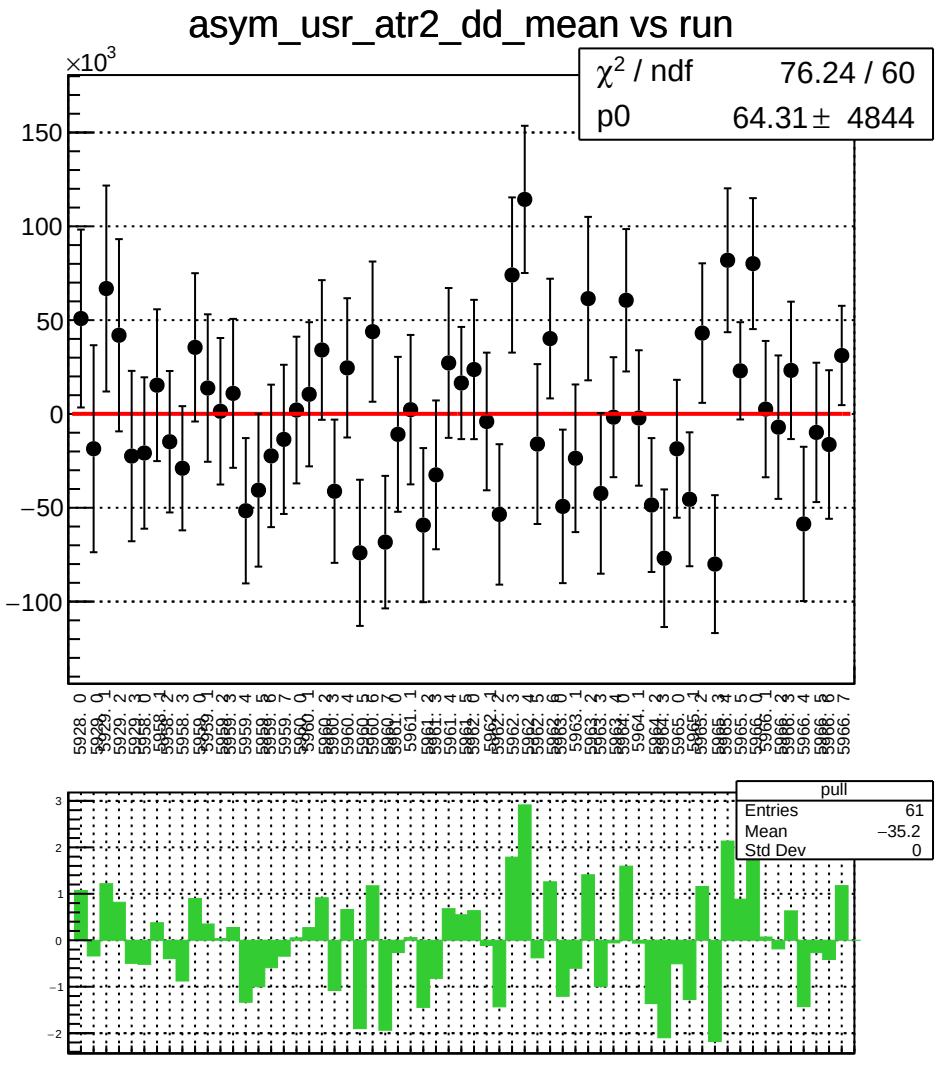

pull1D
Entries 61
Mean −0.008546
Std Dev 0.9879

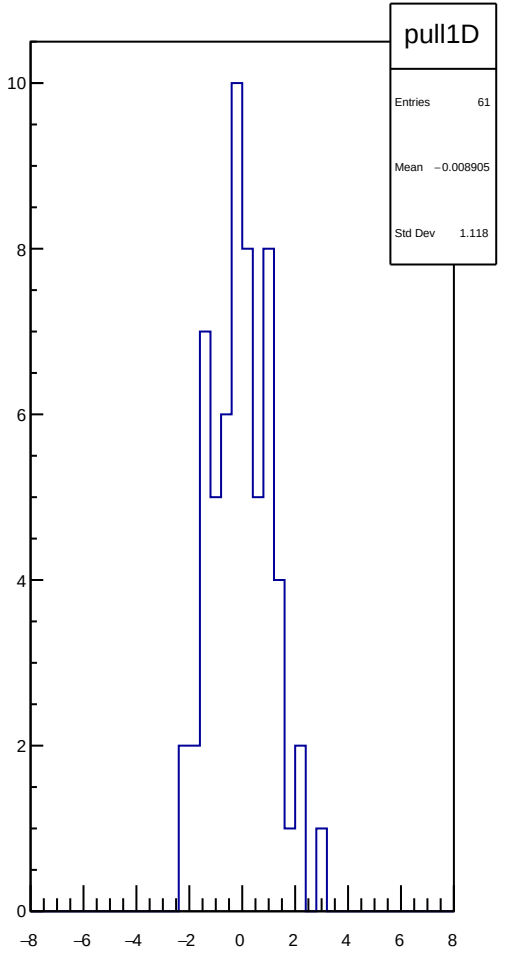

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 860.2 / 60
p0 1172 ± 1.073
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

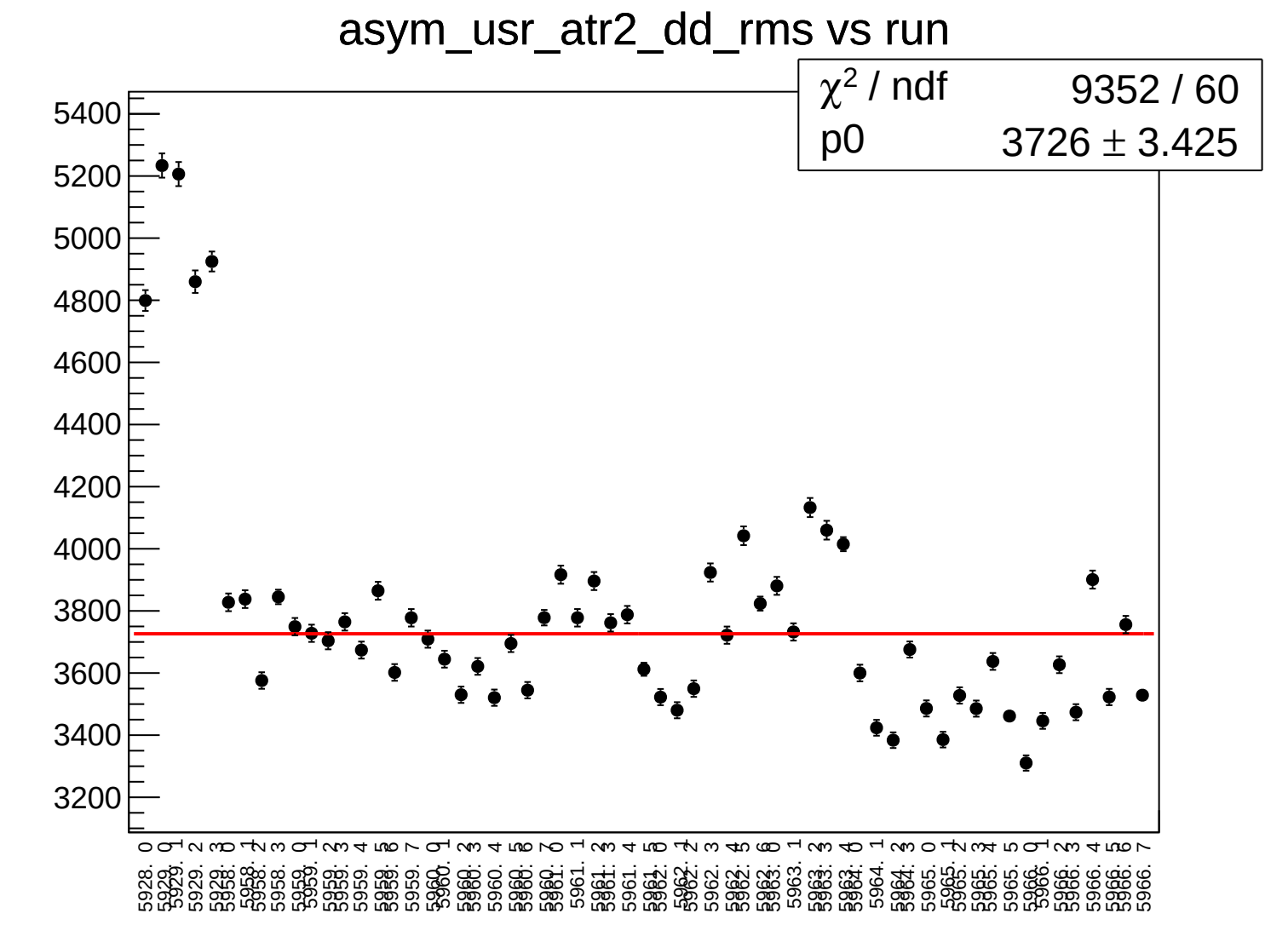

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 69.62 / 60
p0 71.09 ± 4598
pull
Entries 61
Mean 51.91
Std Dev 0

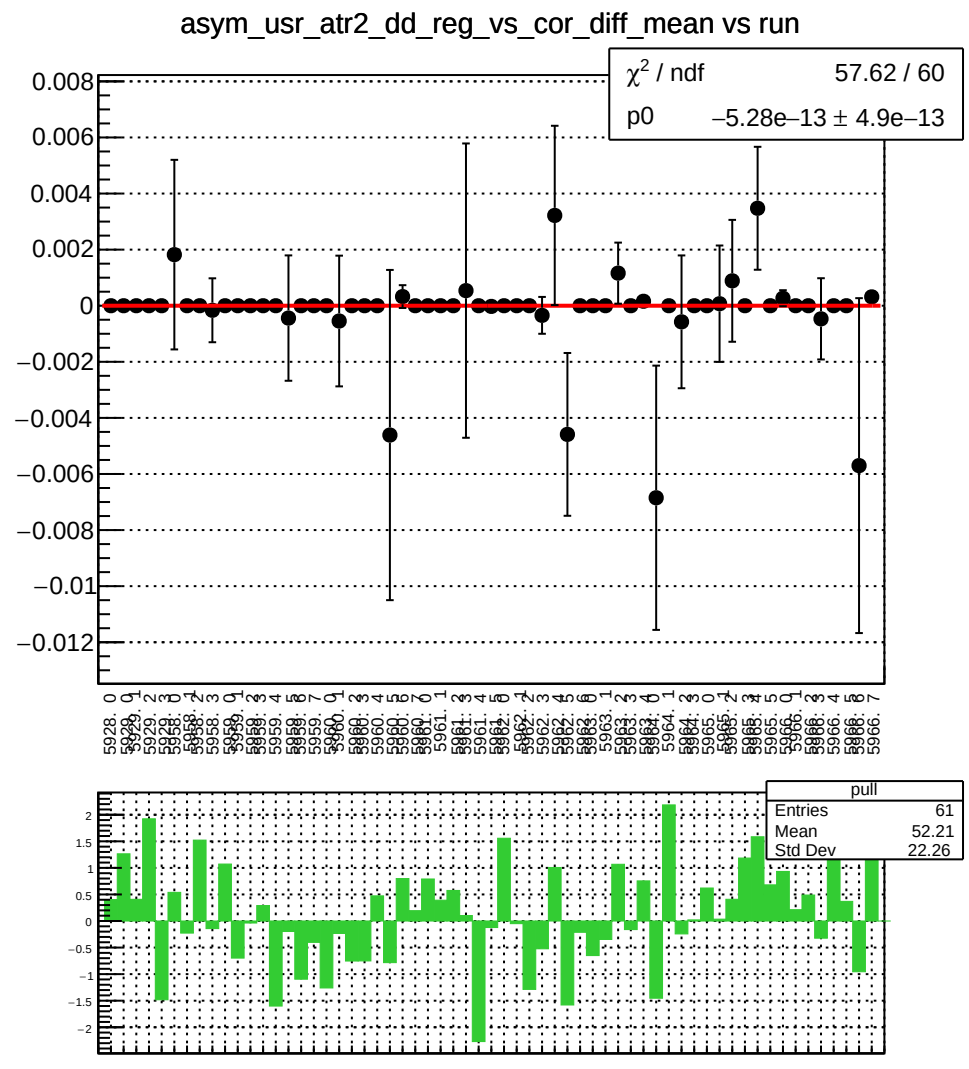

pull1D
Entries 61
Mean 0.004282
Std Dev 1.068

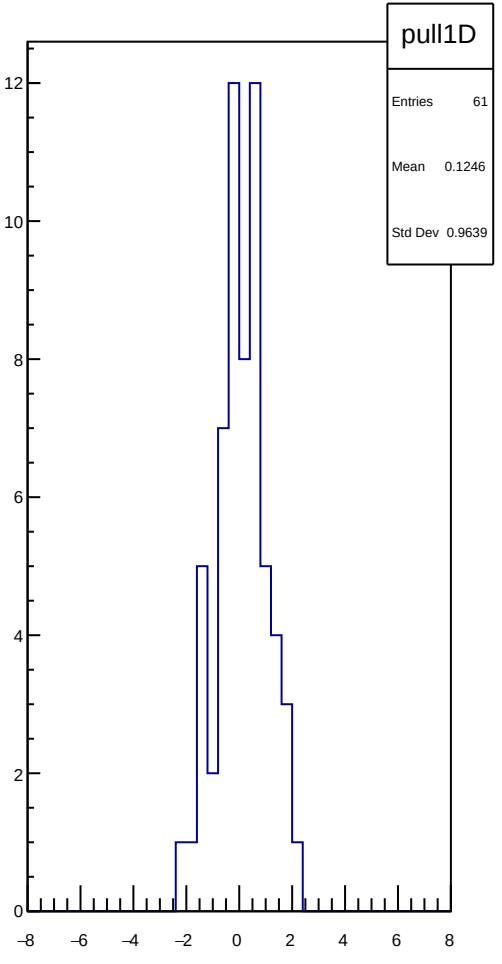

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.217e+04 / 60
p0 3532 ± 3.251
5500
5000
4500
4000
3500
3000

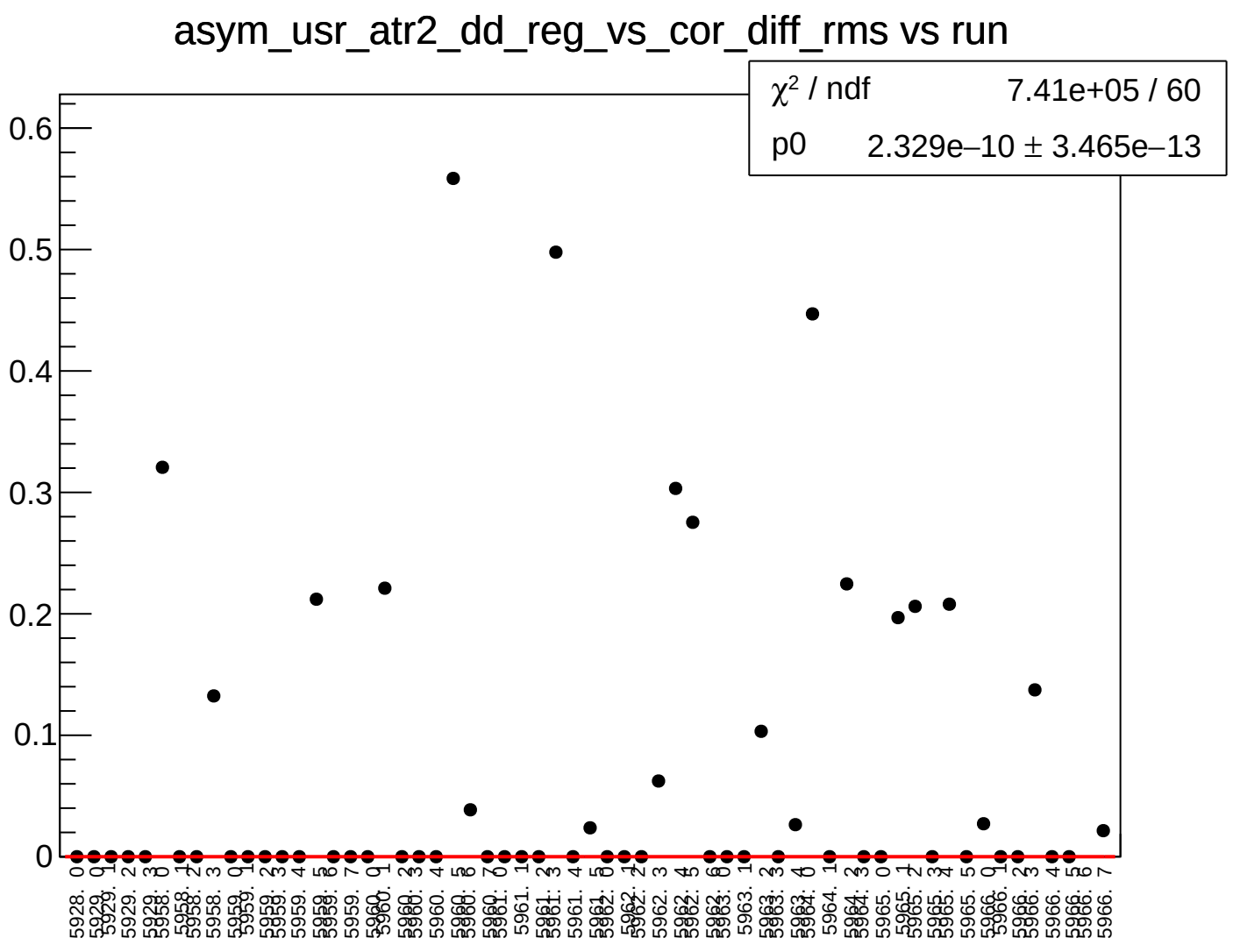

asym_usr_atr2_dd_mean vs run
×10^3
χ^2 / ndf 76.24 / 60
p0 64.31 ± 4844
150
100
50
0
−50
−100
pull
Entries 61
Mean −35.2
Std Dev 0
3
2
1
0
−1
−2

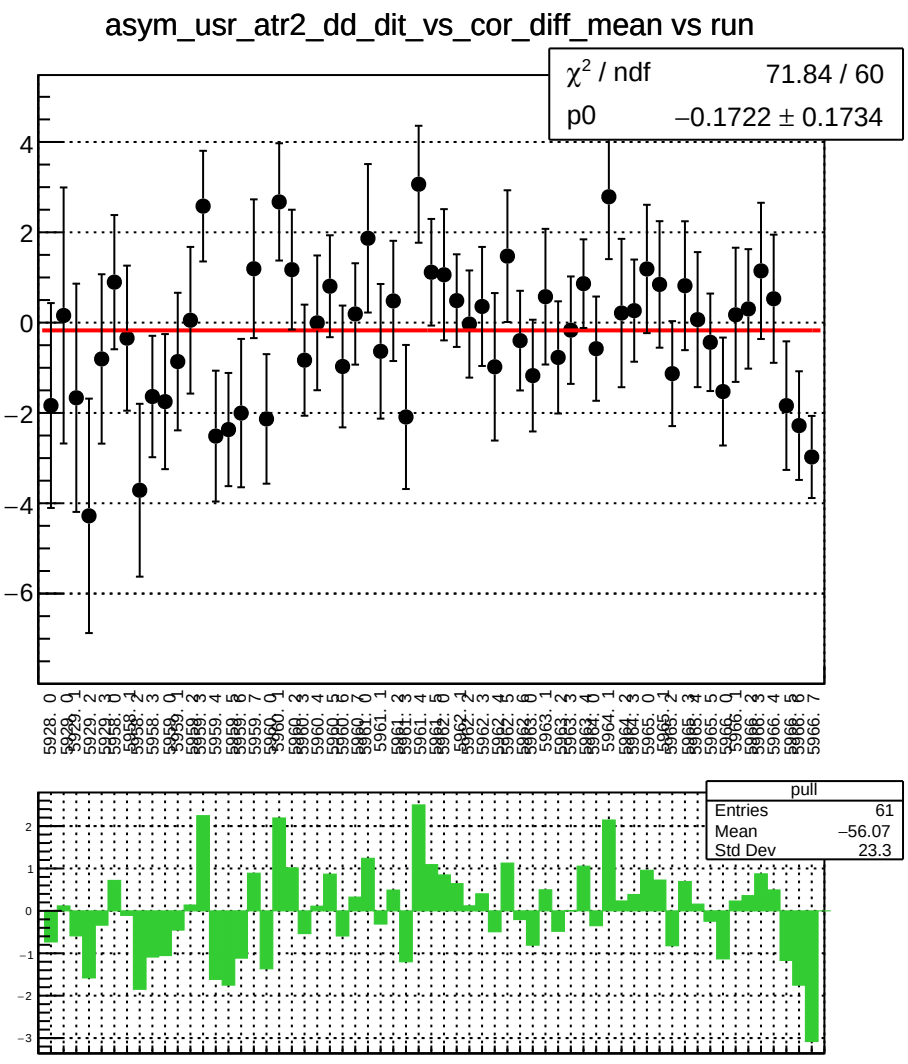

pull1D
Entries 61
Mean −0.008905
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

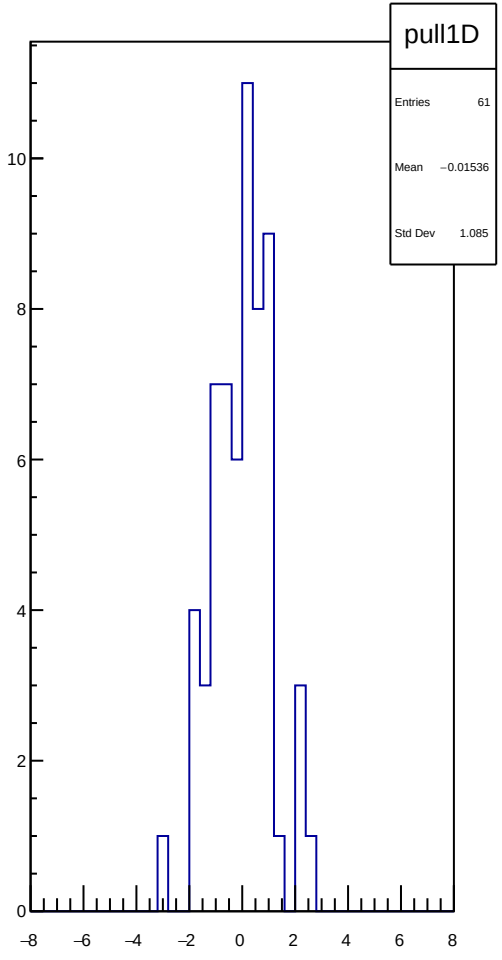

asym_usr_atr2_dd_rms vs run
χ^2 / ndf 9352 / 60
p0 3726 ± 3.425
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

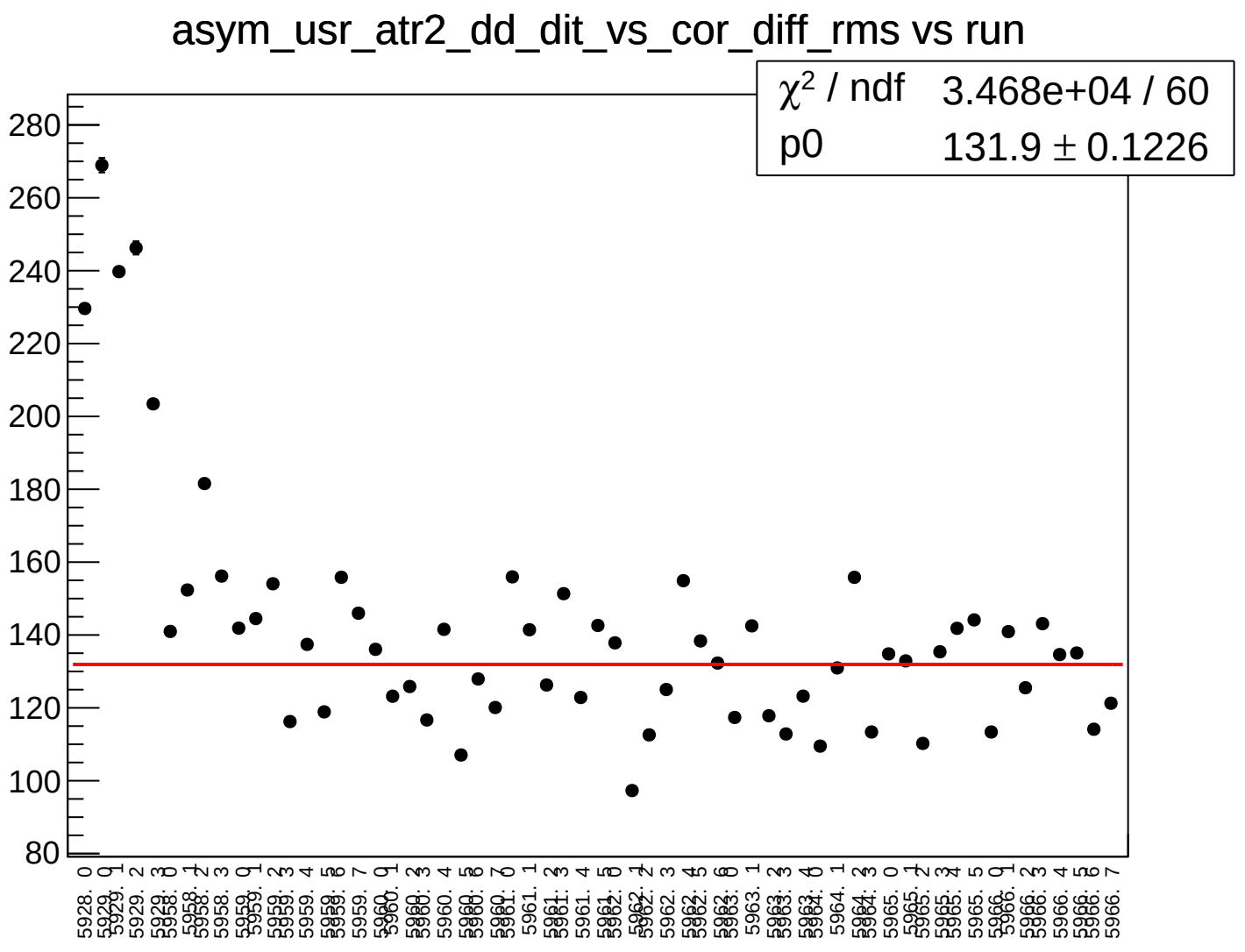

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.62 / 60
p0 −5.28e−13 ± 4.9e−13
pull
Entries 61
Mean 52.21
Std Dev 22.26

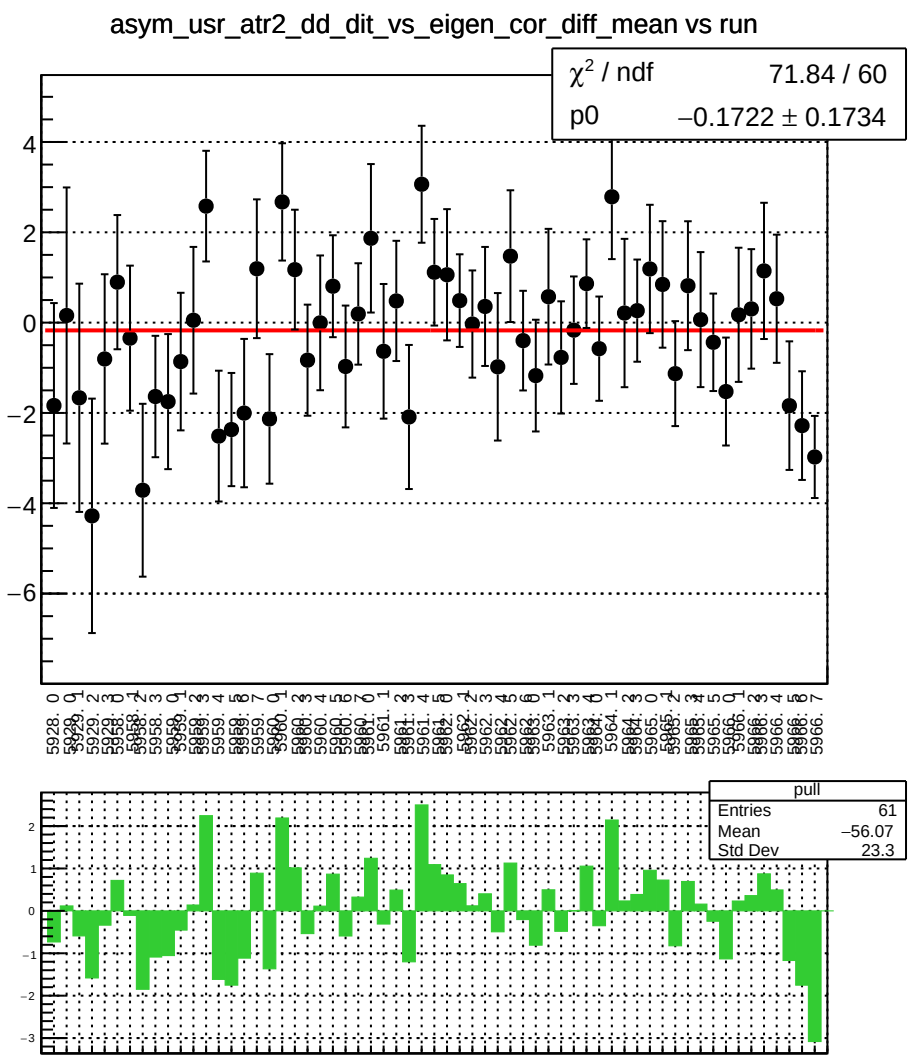

pull1D
Entries 61
Mean 0.1246
Std Dev 0.9639

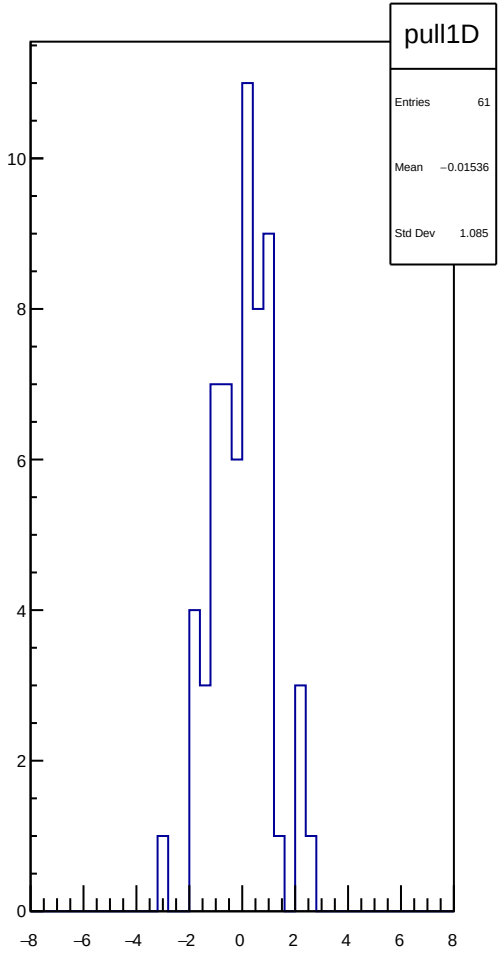

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.41e+05 / 60
p0 2.329e−10 ± 3.465e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

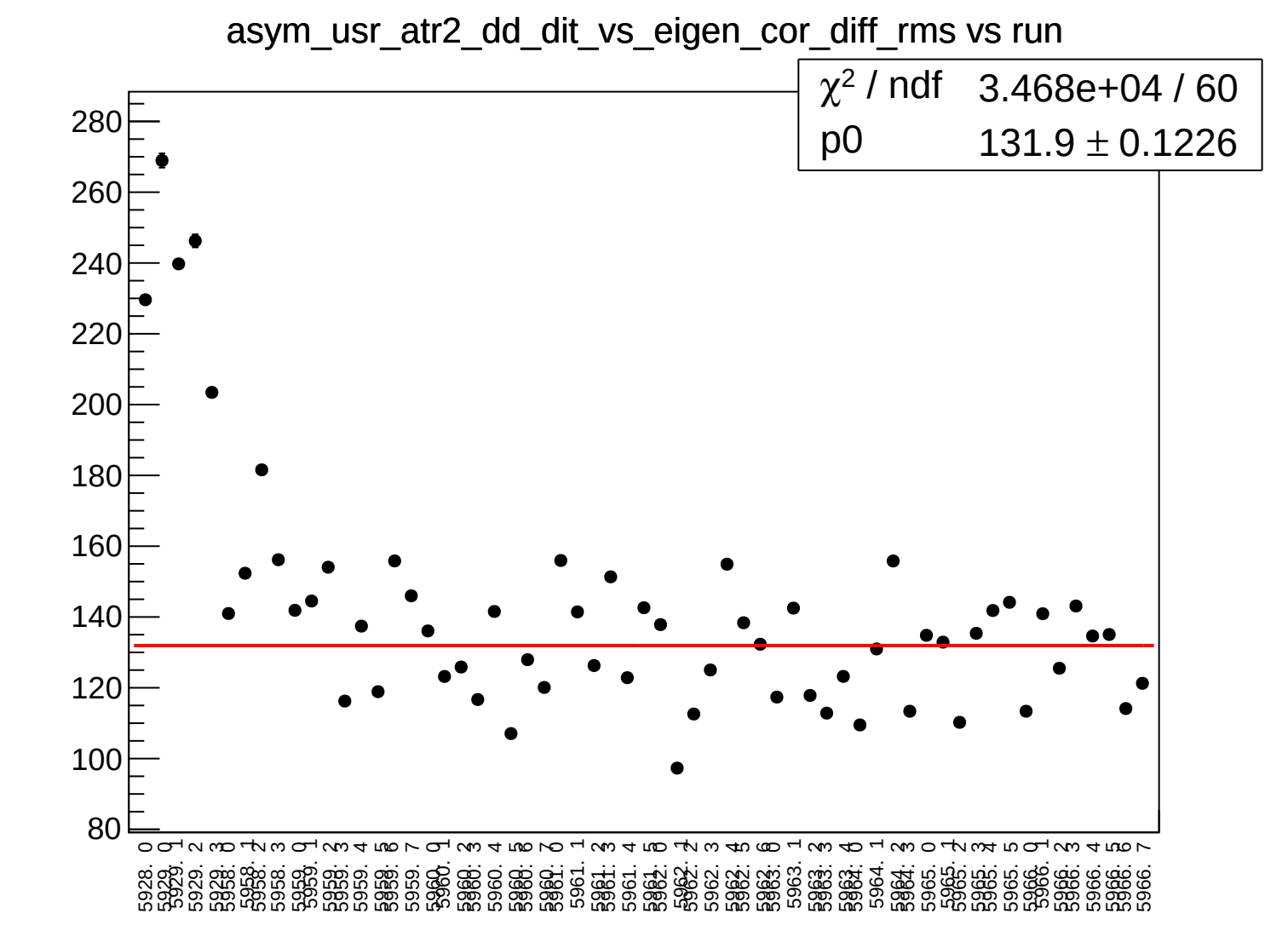

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.84 / 60
p0 −0.1722 ± 0.1734
pull
Entries 61
Mean −56.07
Std Dev 23.3

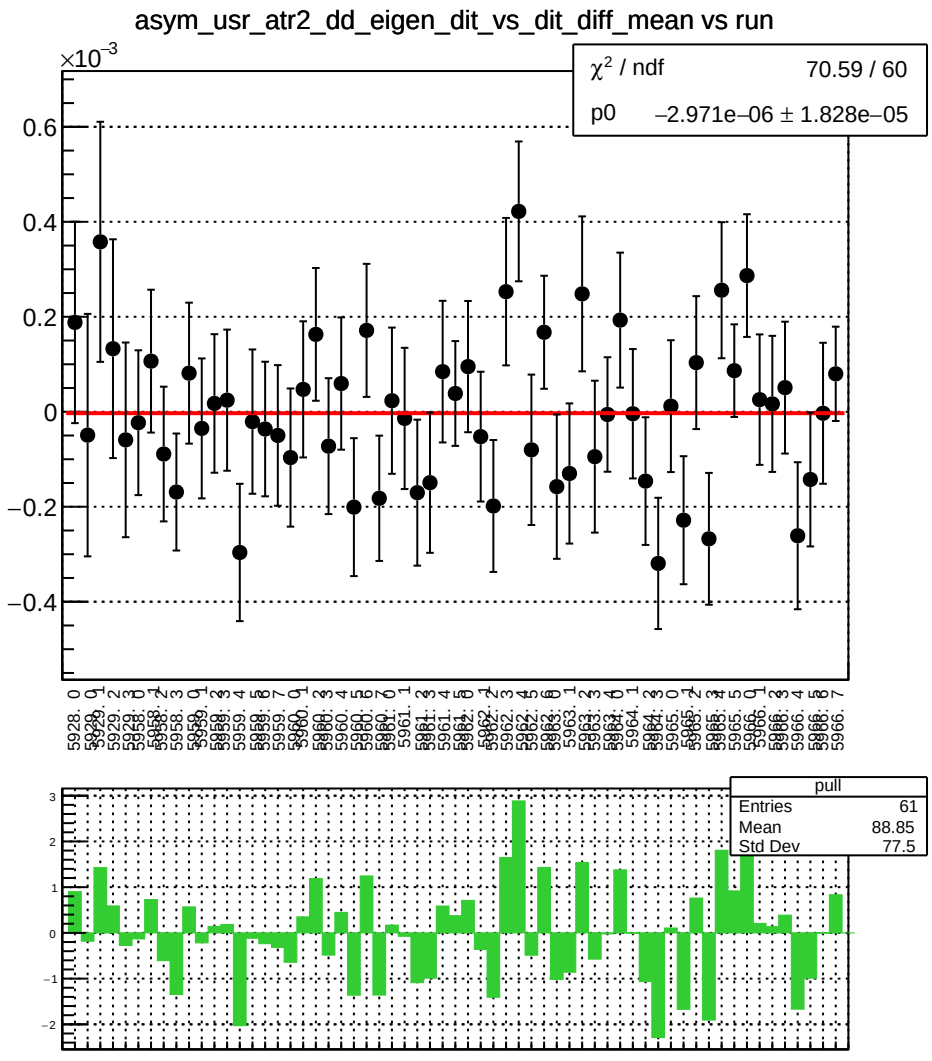

pull1D
Entries 61
Mean −0.01536
Std Dev 1.085

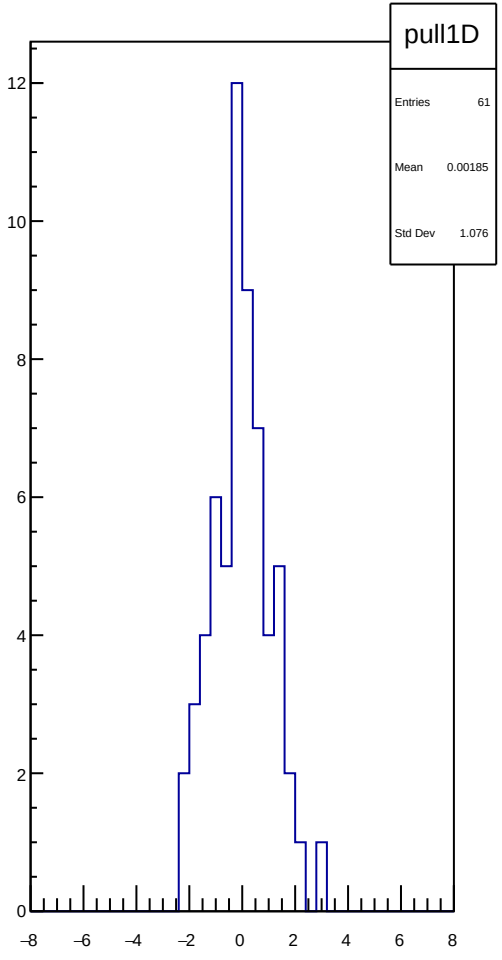

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.468e+04 / 60
p0 131.9 ± 0.1226
280
260
240
220
200
180
160
140
120
100
80

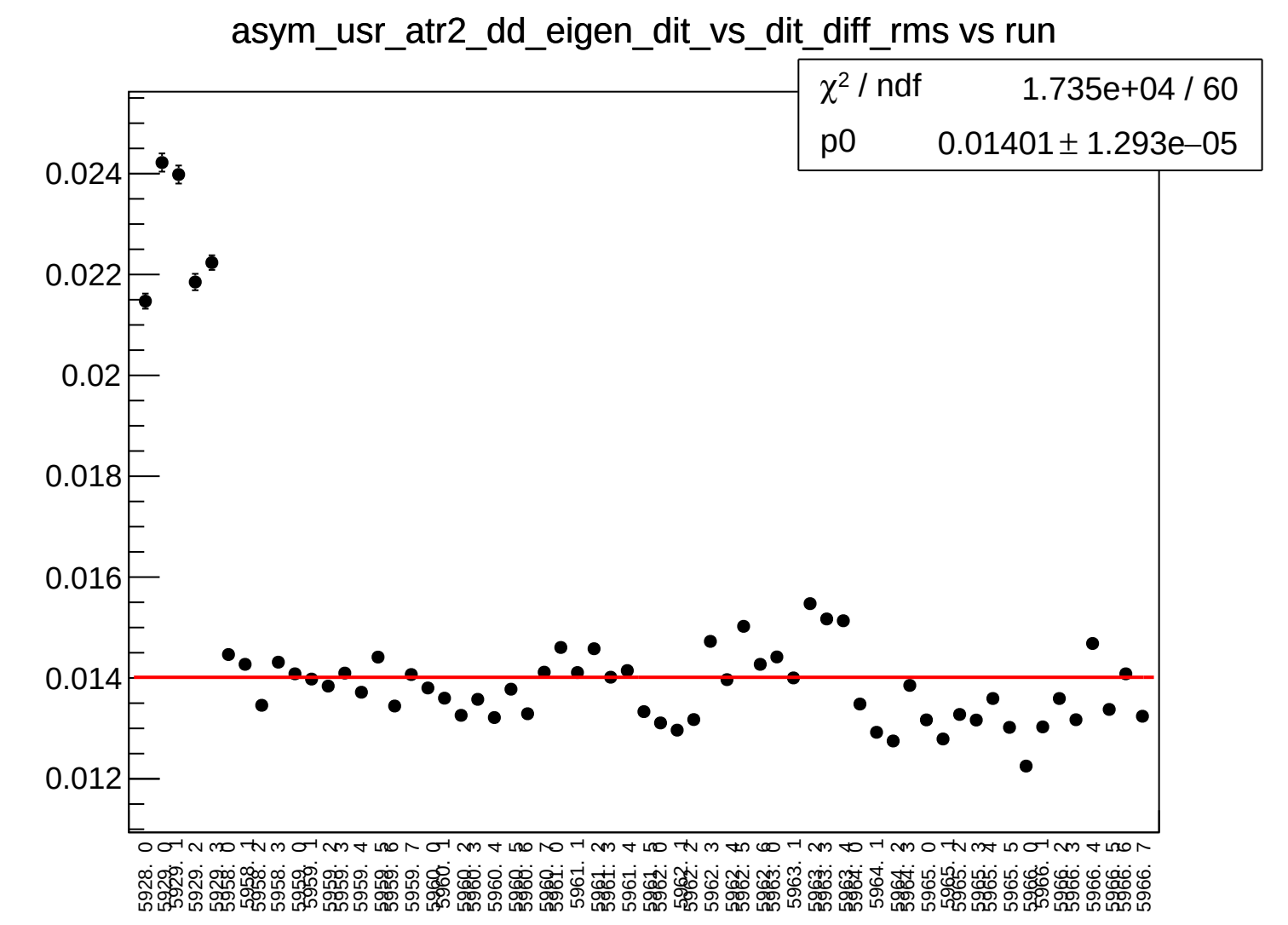

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.84 / 60
p0 −0.1722 ± 0.1734
pull
Entries 61
Mean −56.07
Std Dev 23.3

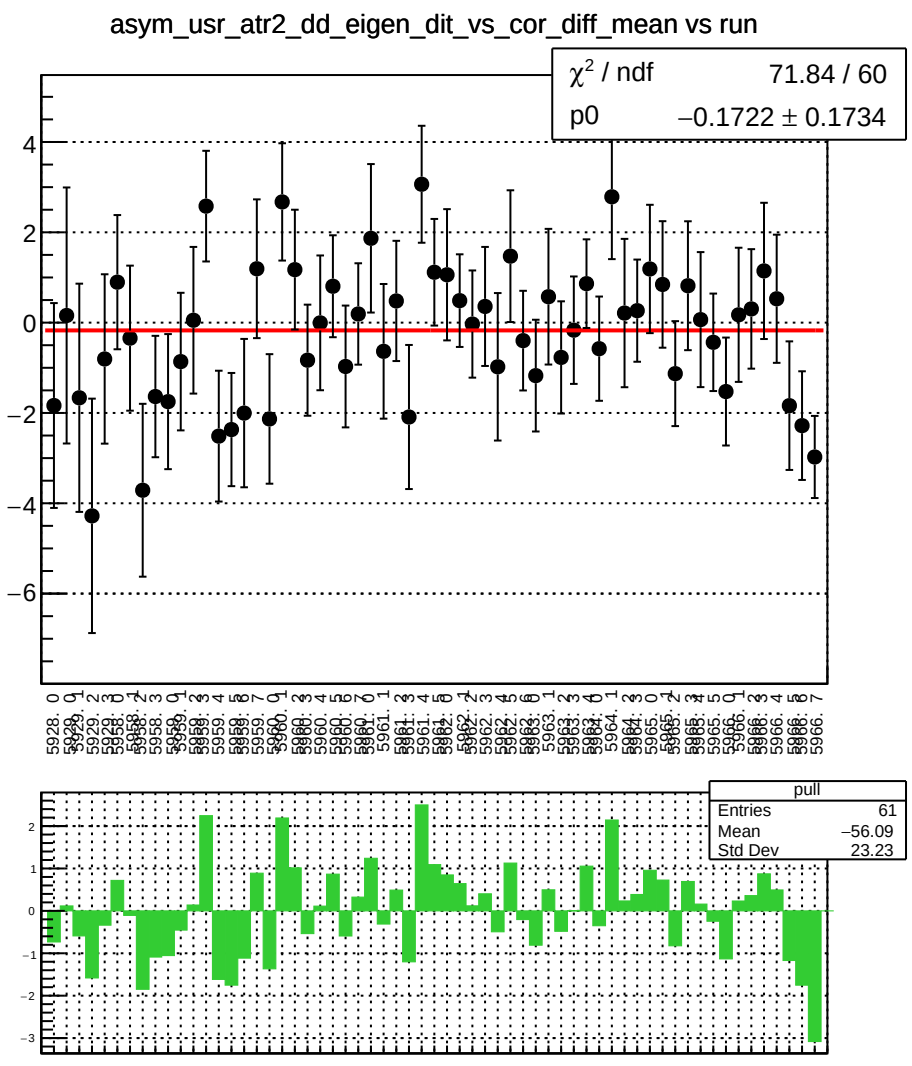

pull1D
Entries 61
Mean −0.01536
Std Dev 1.085

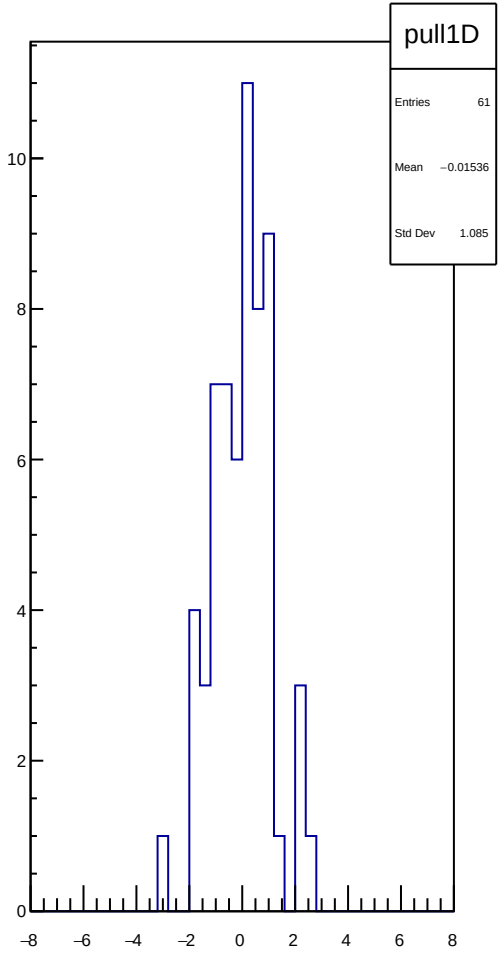

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.468e+04 / 60
p0 131.9 ± 0.1226
280
260
240
220
200
180
160
140
120
100
80

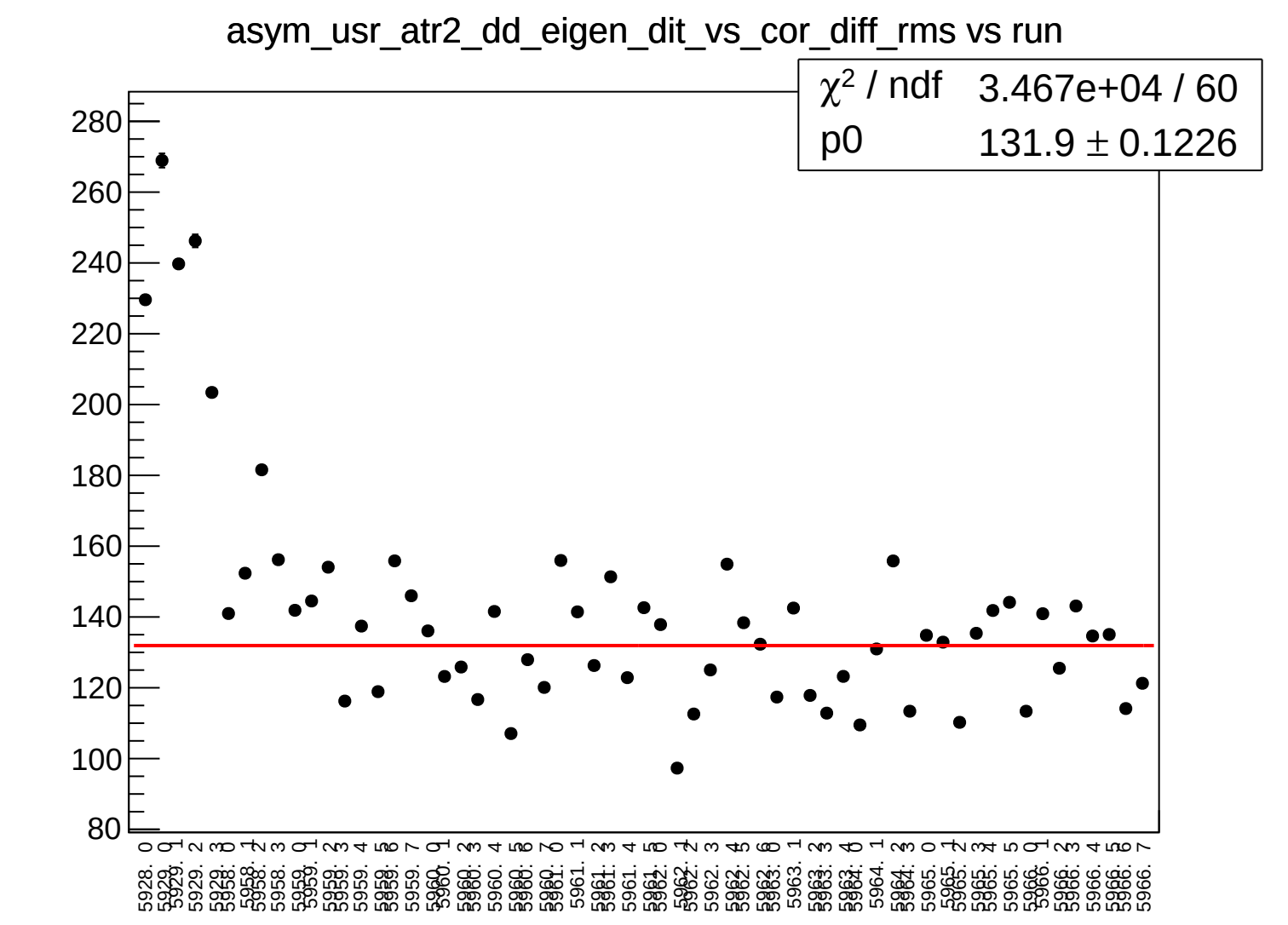

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.59 / 60
p0 −2.971e−06 ± 1.828e−05
pull
Entries 61
Mean 88.85
Std Dev 77.5

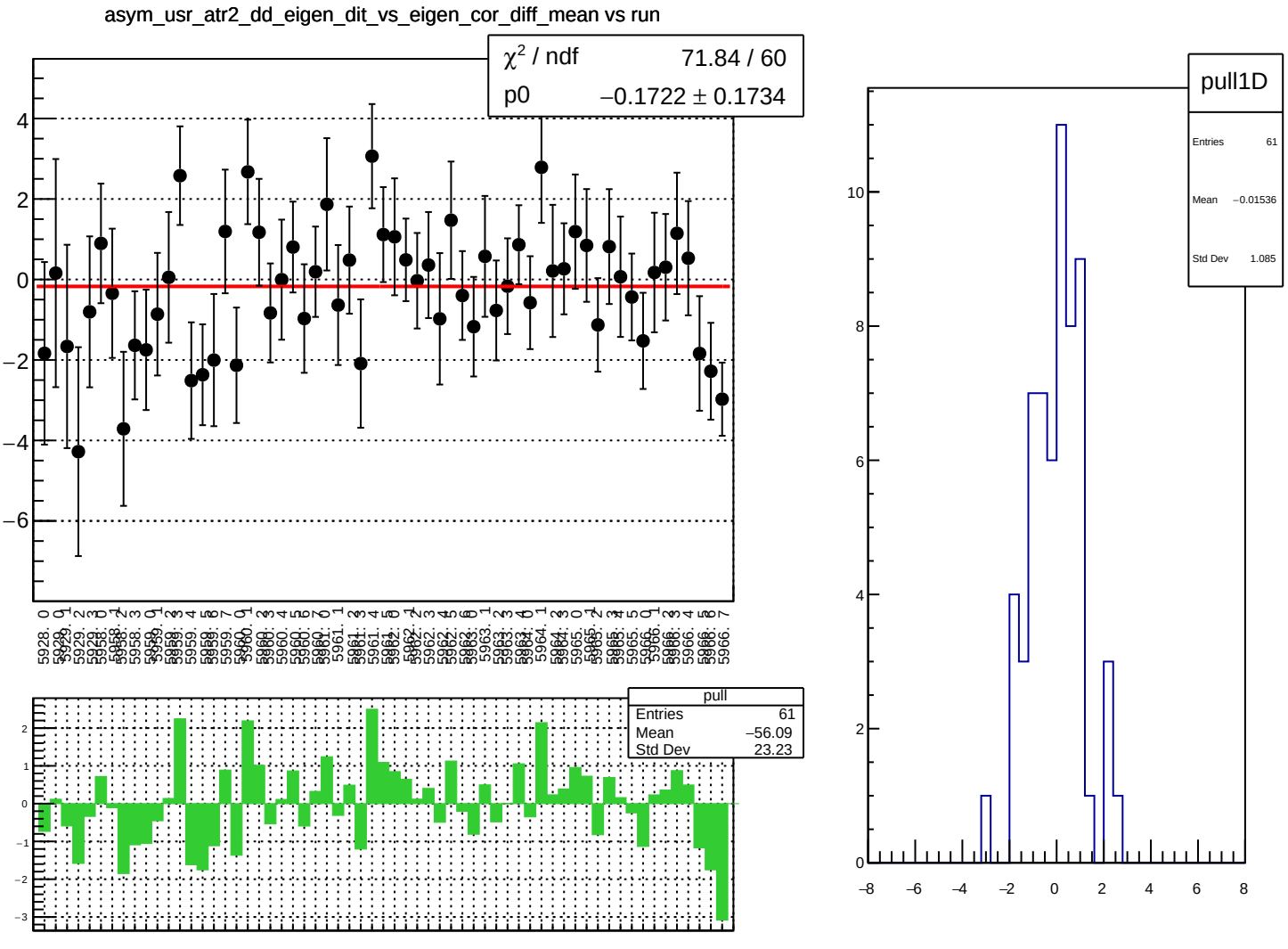

pull1D
Entries 61
Mean 0.00185
Std Dev 1.076

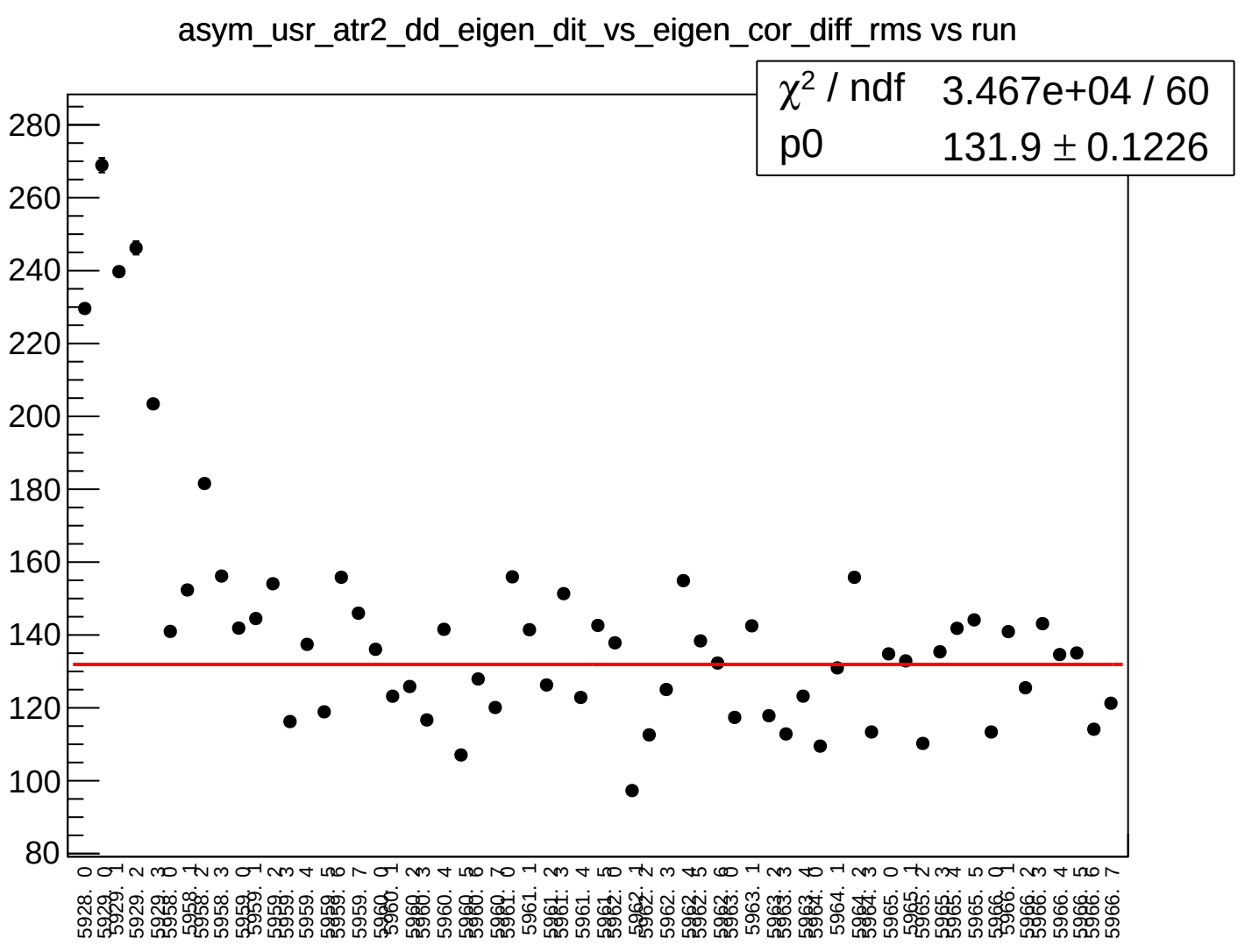

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.735e+04 / 60
p0 0.01401 ± 1.293e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012

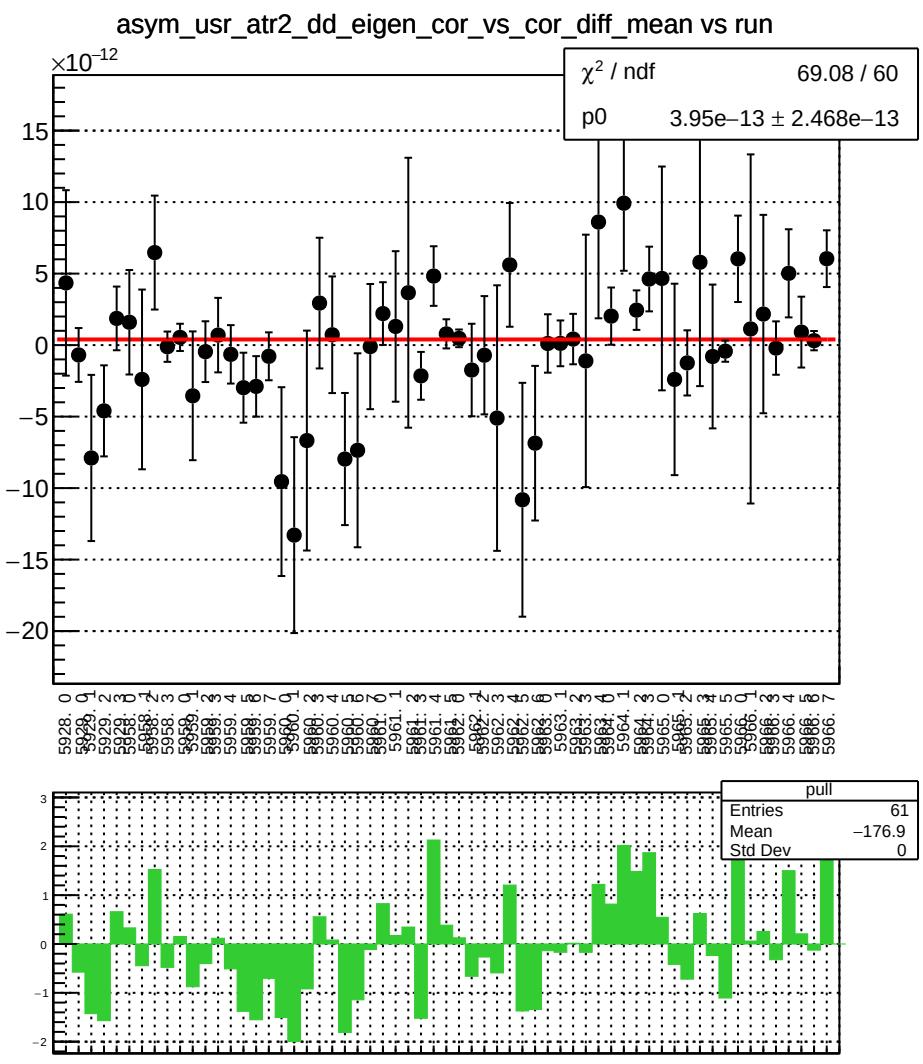

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.84 / 60
p0 −0.1722 ± 0.1734
pull
Entries 61
Mean −56.09
Std Dev 23.23

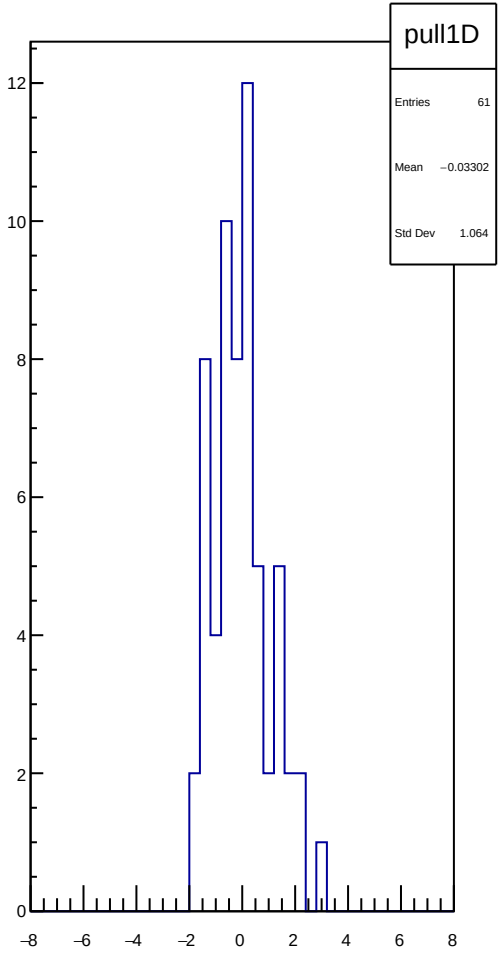

pull1D
Entries 61
Mean −0.01536
Std Dev 1.085

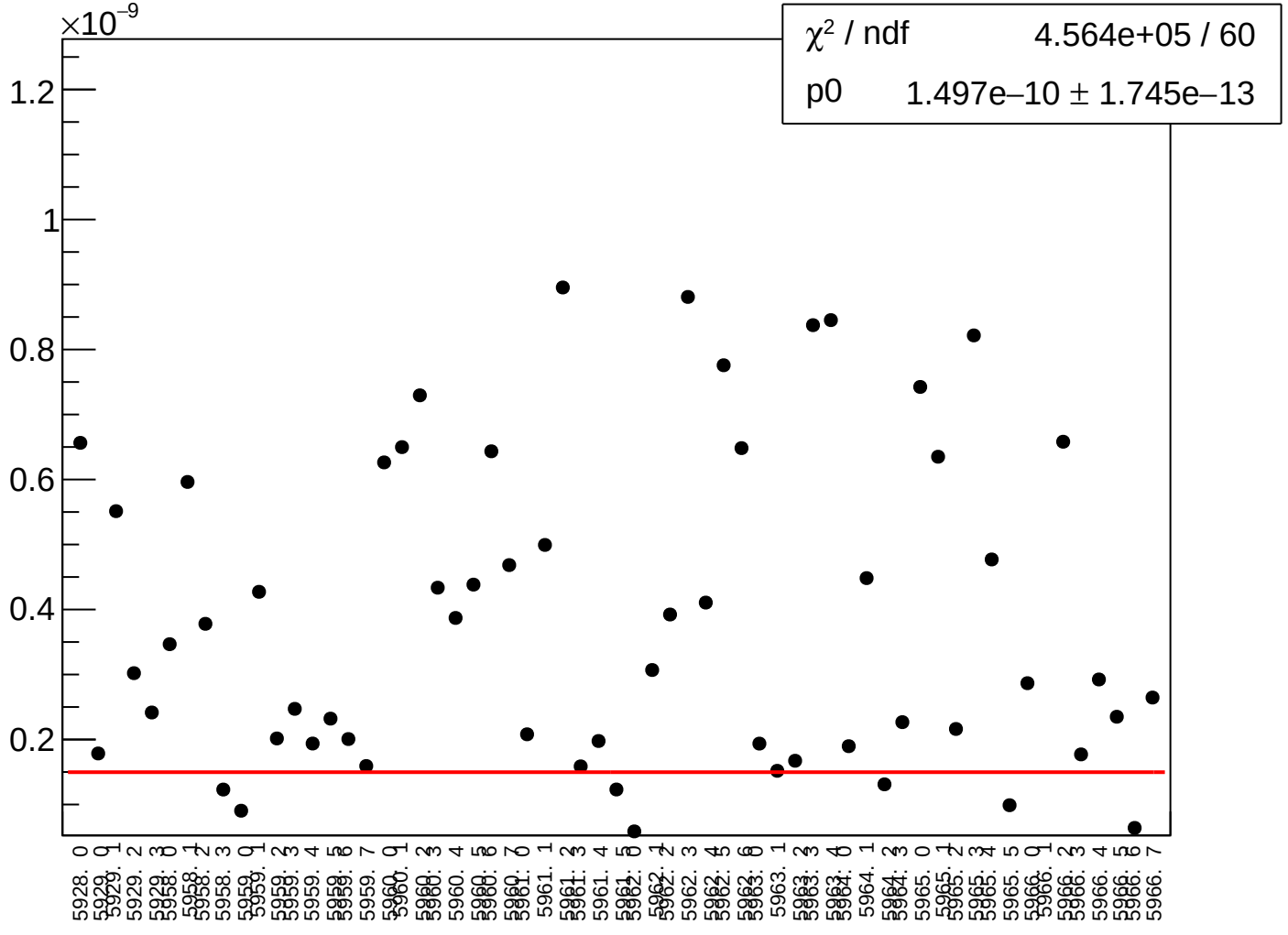

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.467e+04 / 60
p0 131.9 ± 0.1226
280
260
240
220
200
180
160
140
120
100
80

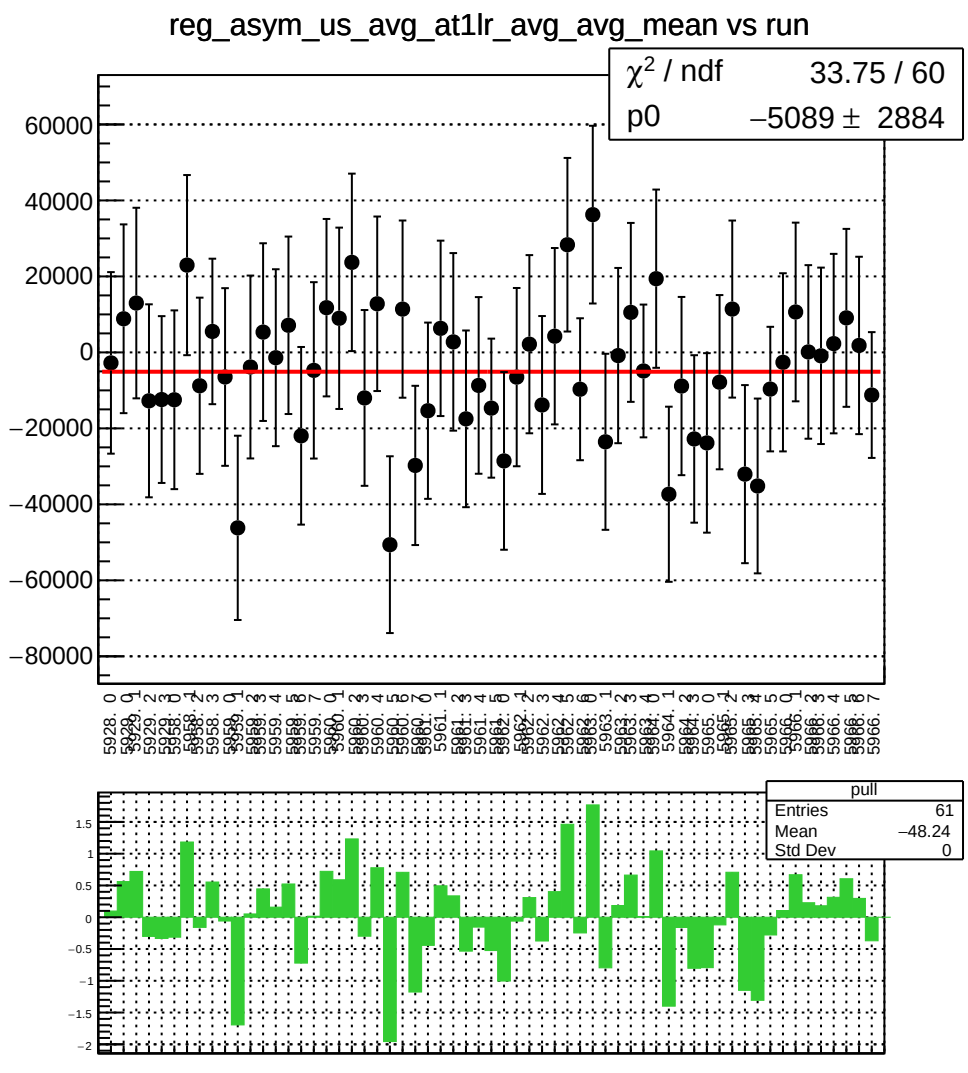

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.84 / 60
p0 −0.1722 ± 0.1734
pull
Entries 61
Mean −56.09
Std Dev 23.23
pull1D
Entries 61
Mean −0.01536
Std Dev 1.085

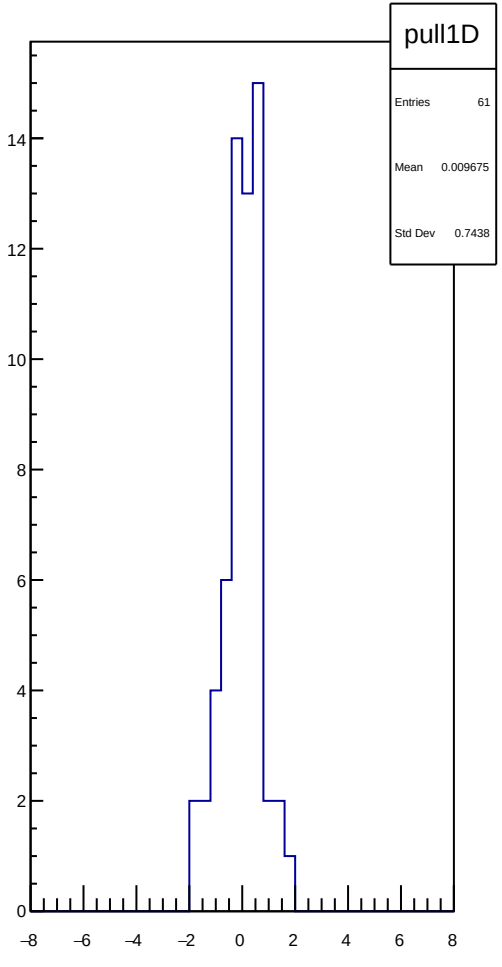

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.467e+04 / 60
p0 131.9 ± 0.1226
280
260
240
220
200
180
160
140
120
100
80

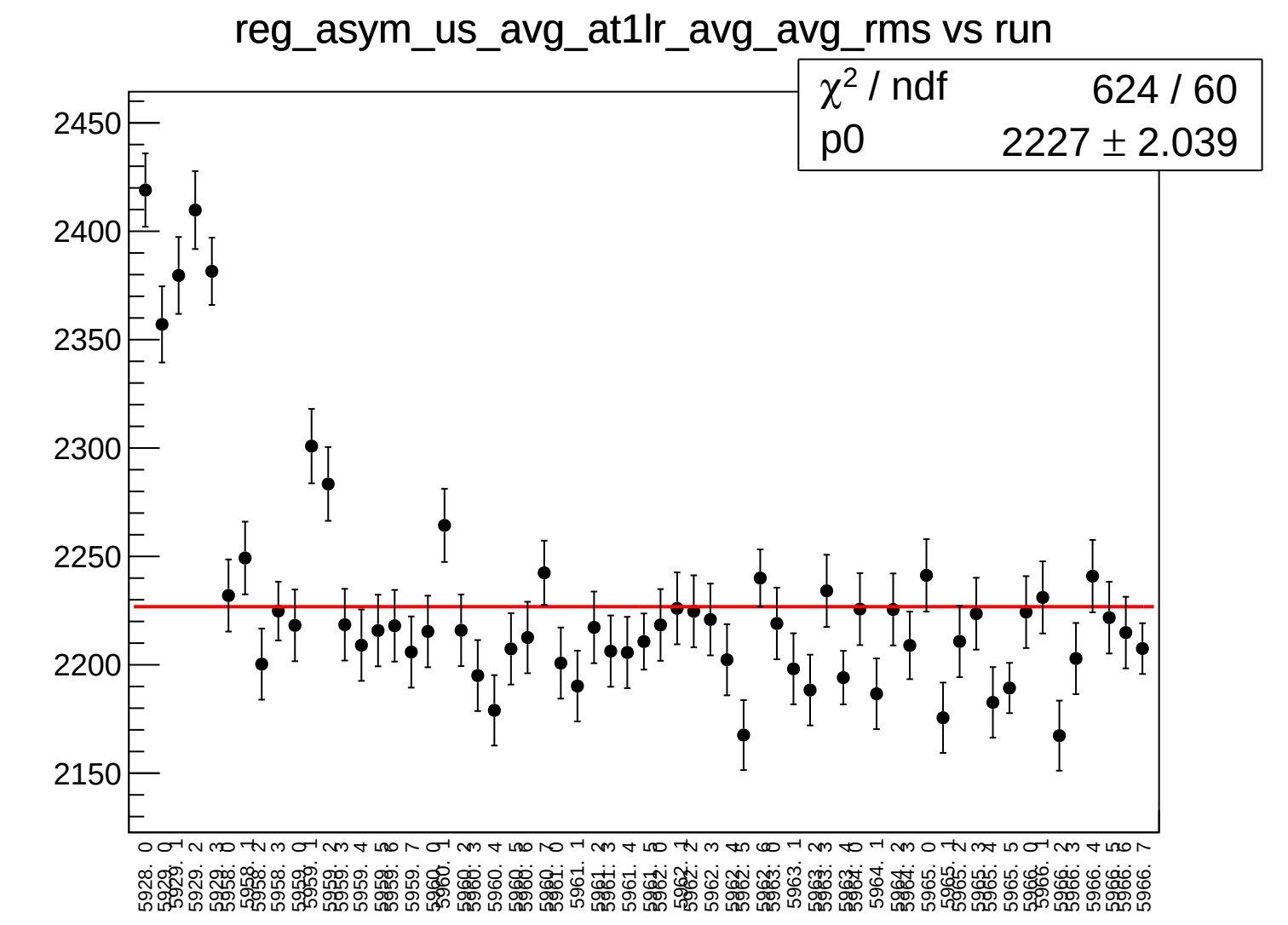

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.08 / 60
p0 3.95e−13 ± 2.468e−13
pull
Entries 61
Mean −176.9
Std Dev 0

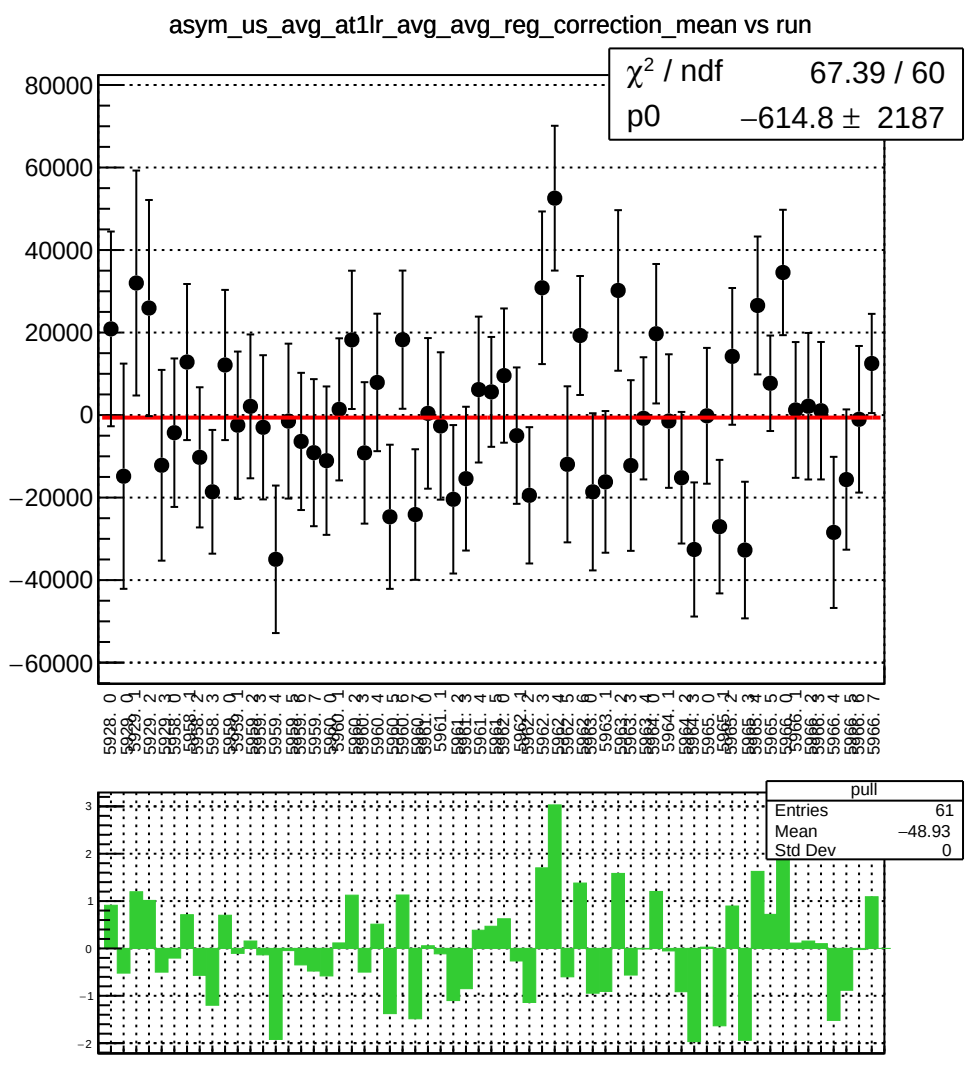

pull1D
Entries 61
Mean −0.03302
Std Dev 1.064

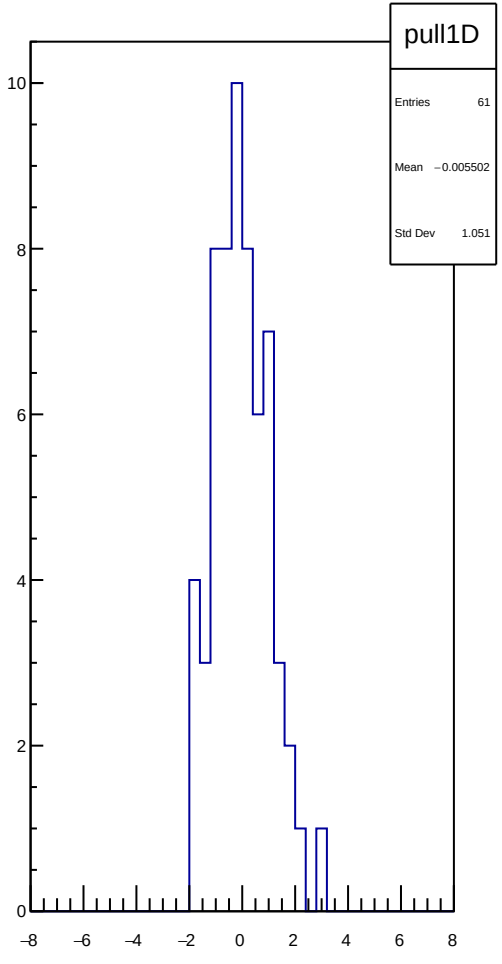

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.564e+05 / 60
p0 1.497e−10 ± 1.745e−13
1.2
1
0.8
0.6
0.4
0.2

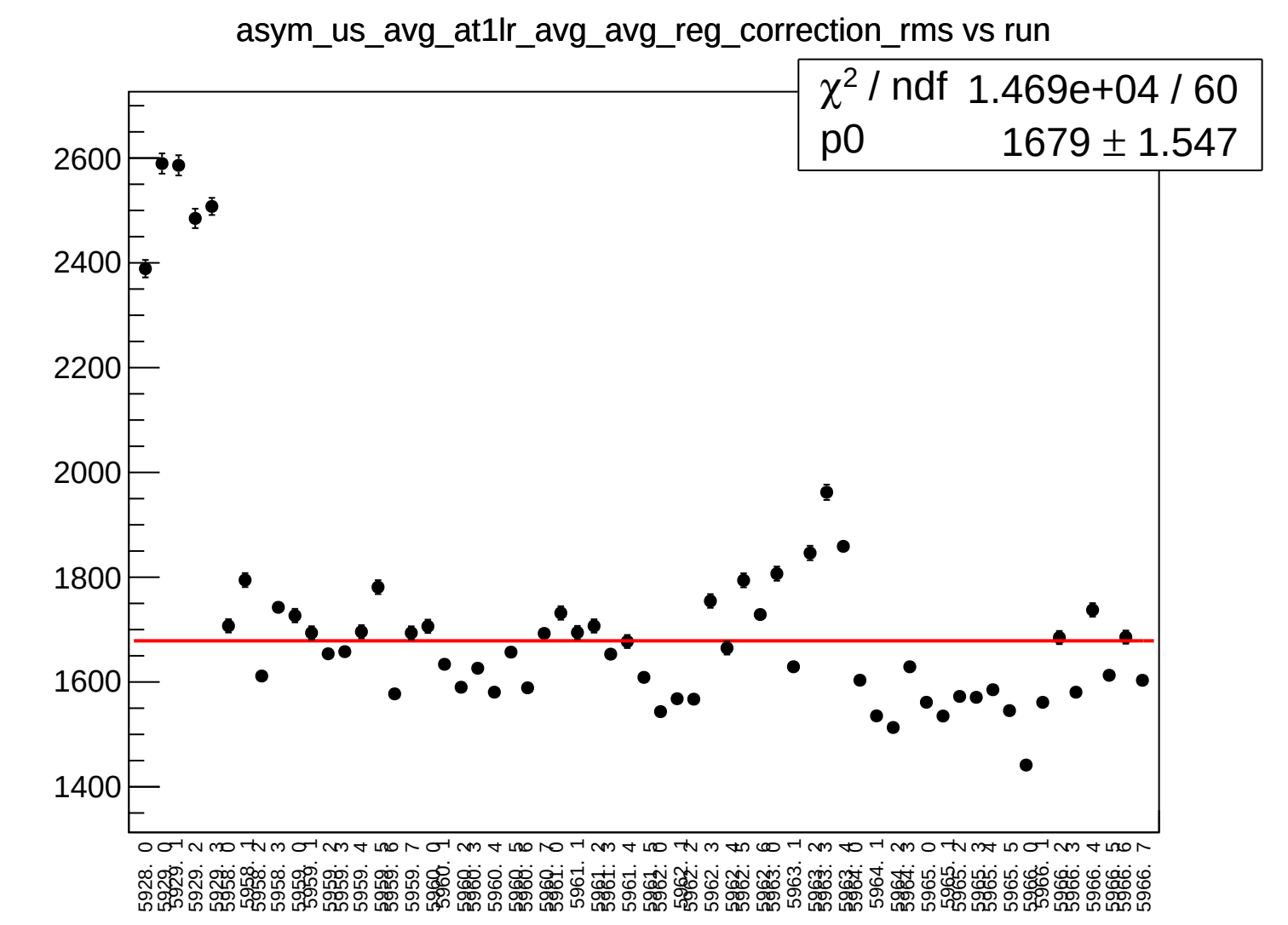

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 33.75 / 60
p0 −5089 ± 2884
pull
Entries 61
Mean −48.24
Std Dev 0

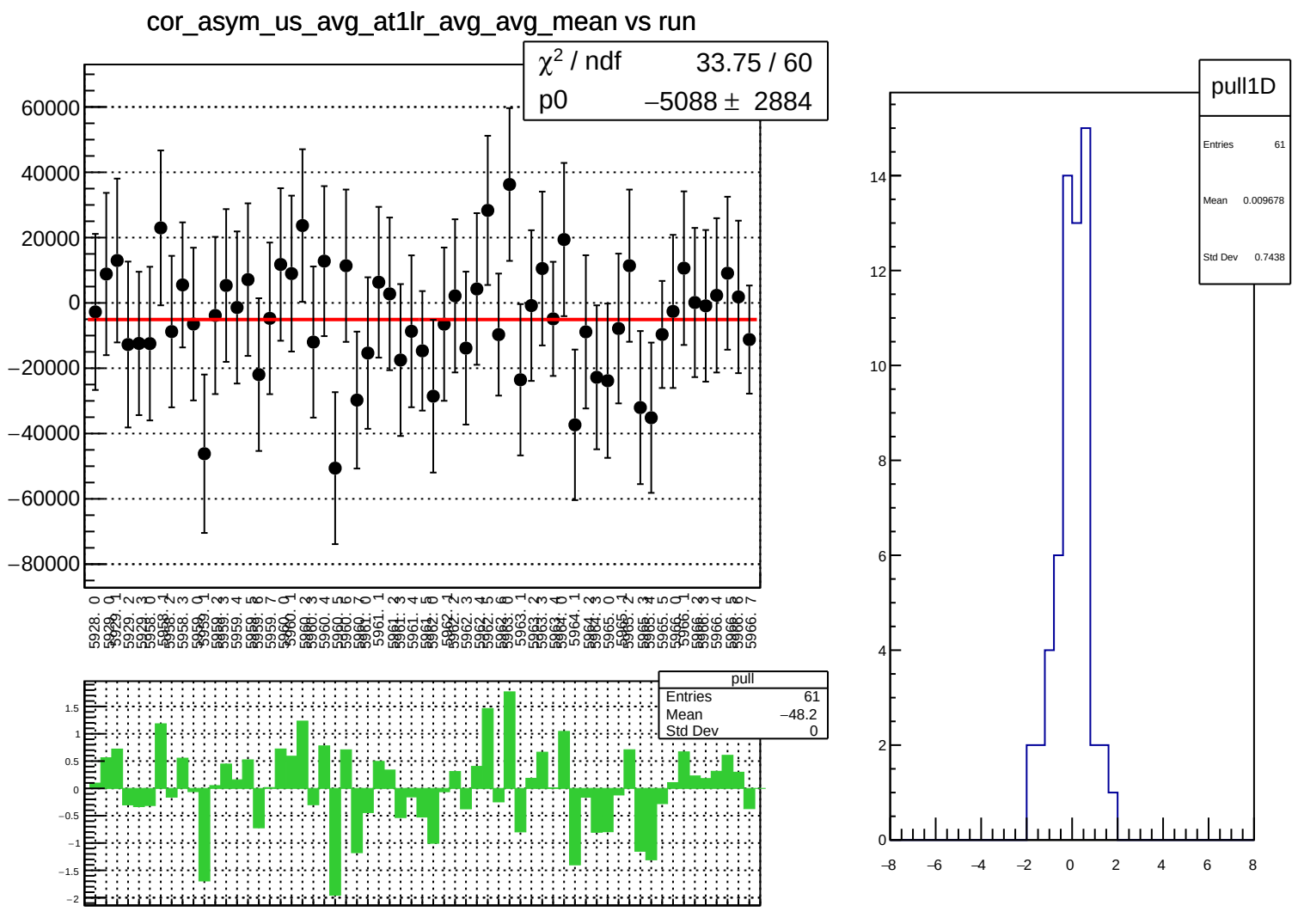

pull1D
Entries 61
Mean 0.009675
Std Dev 0.7438

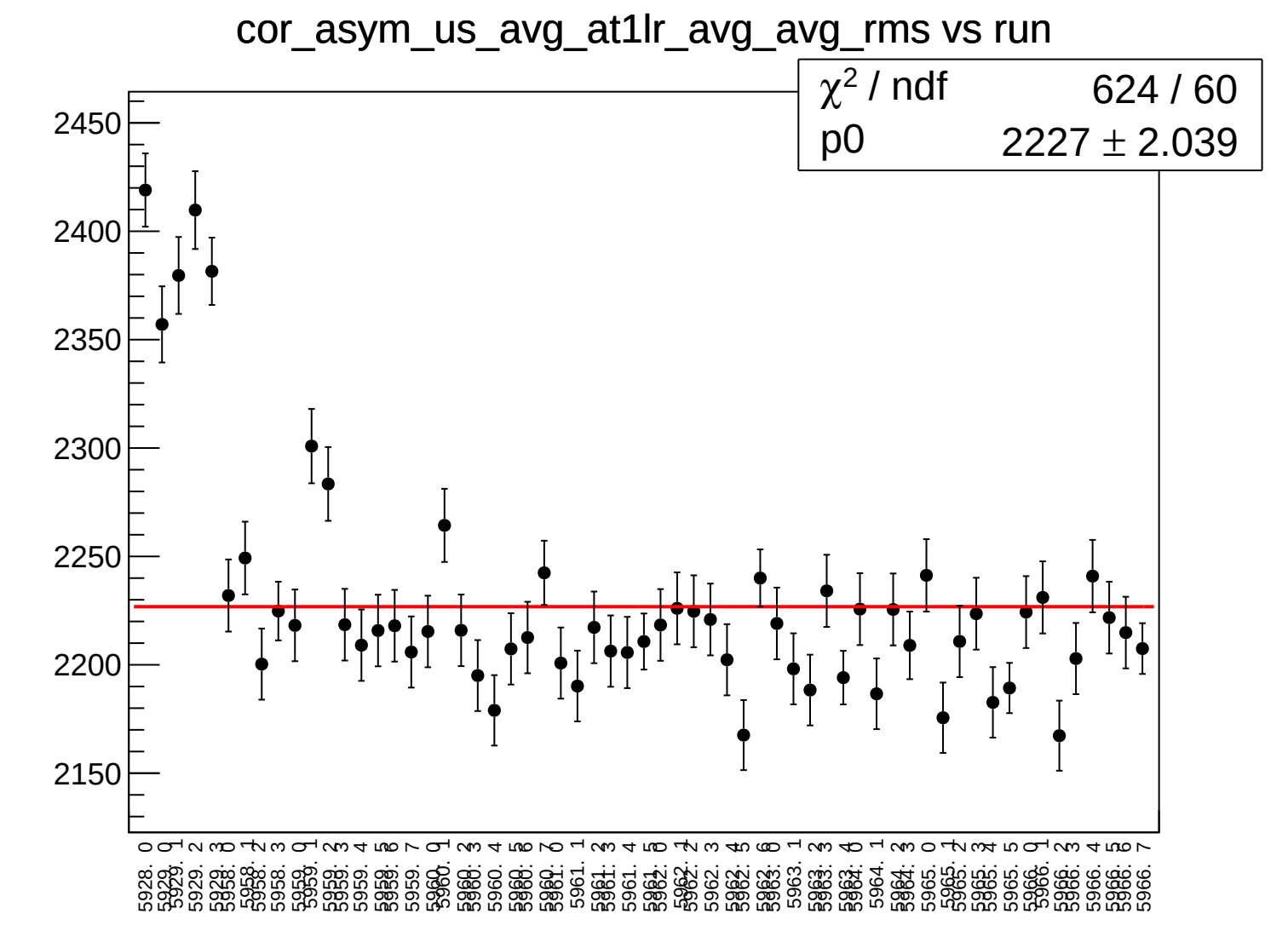

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 624 / 60
p0 2227 ± 2.039
2450
2400
2350
2300
2250
2200
2150

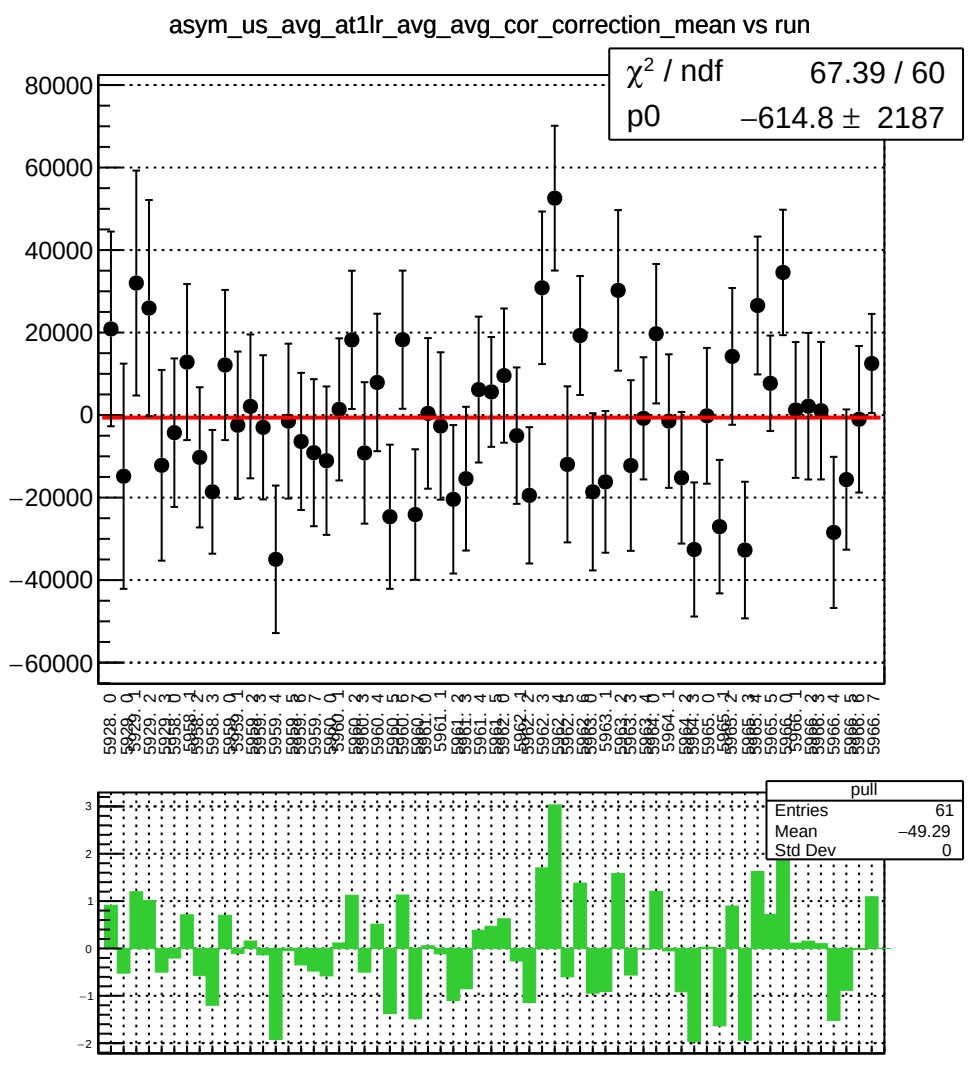

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 67.39 / 60
p0 −614.8 ± 2187
pull
Entries 61
Mean −48.93
Std Dev 0

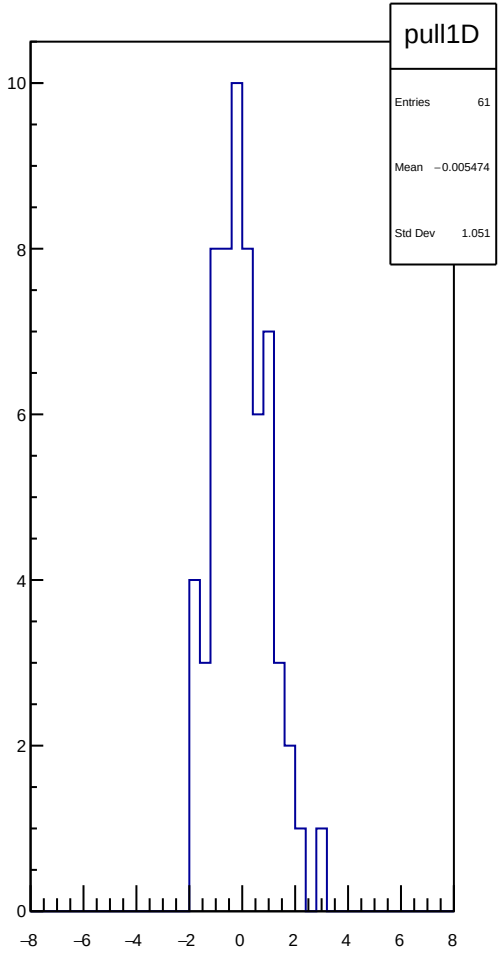

pull1D
Entries 61
Mean −0.005502
Std Dev 1.051

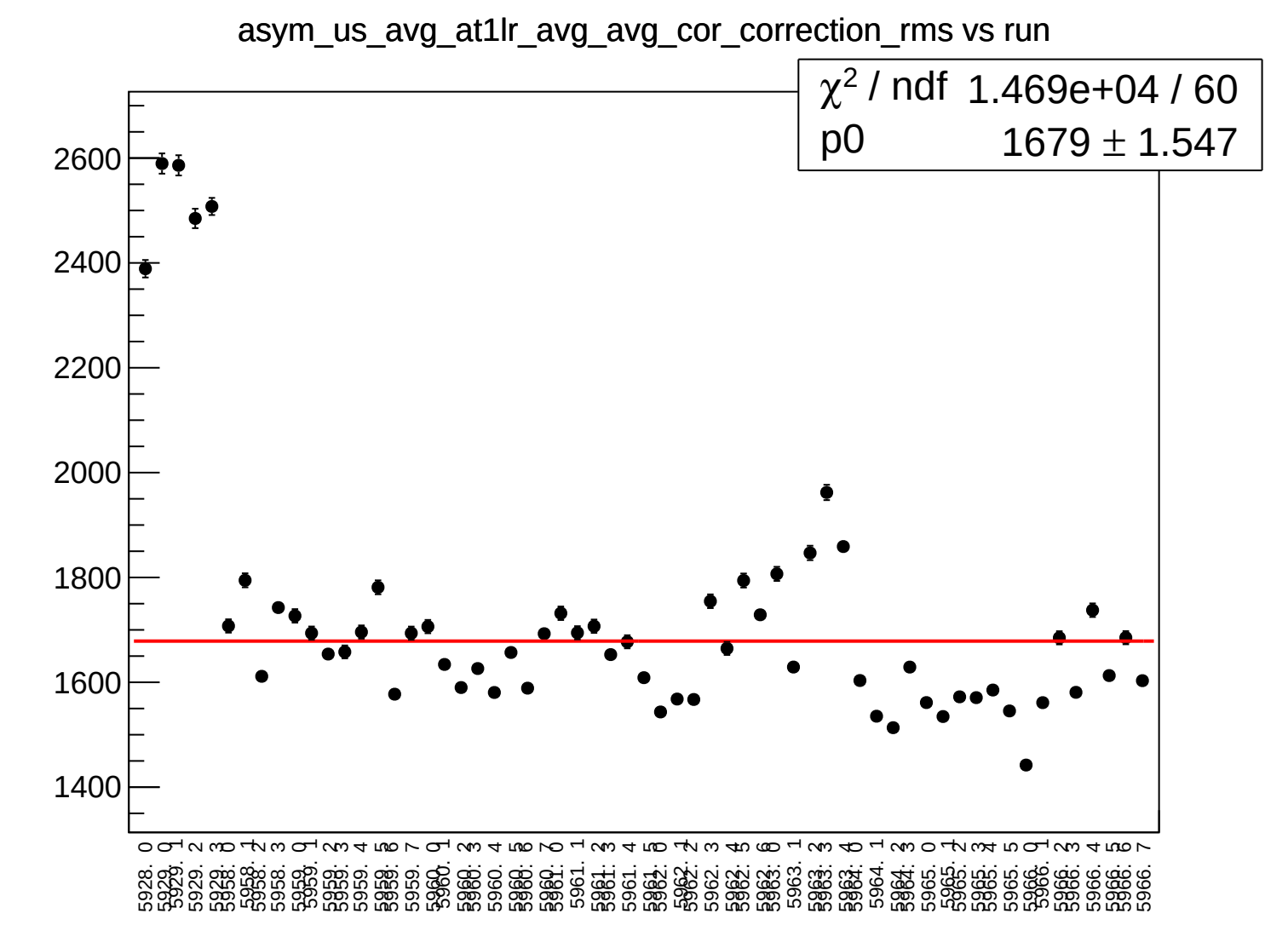

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1679 ± 1.547
2600
2400
2200
2000
1800
1600
1400

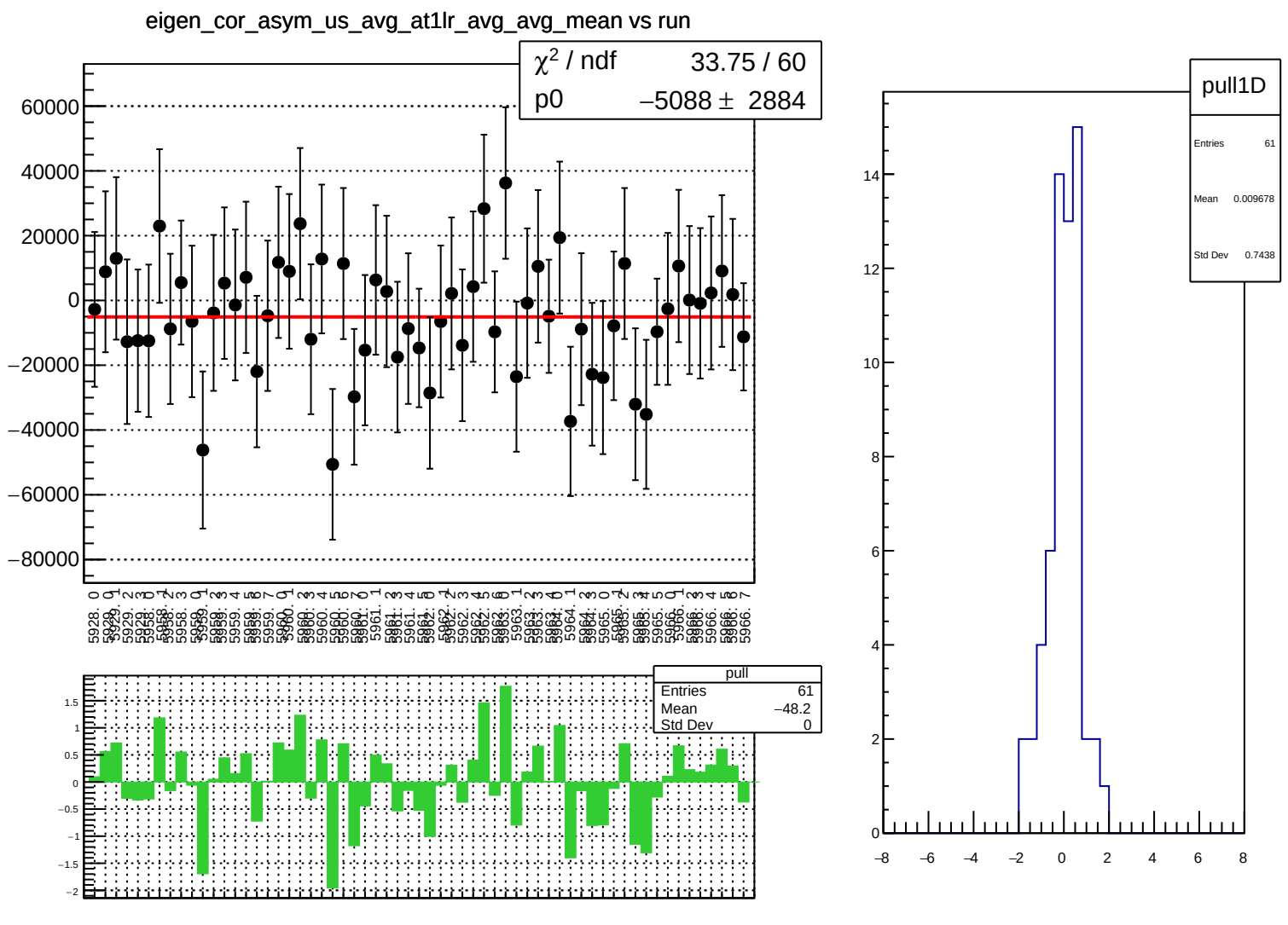

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 33.75 / 60
p0 −5088 ± 2884
pull
Entries 61
Mean −48.2
Std Dev 0
pull1D
Entries 61
Mean 0.009678
Std Dev 0.7438

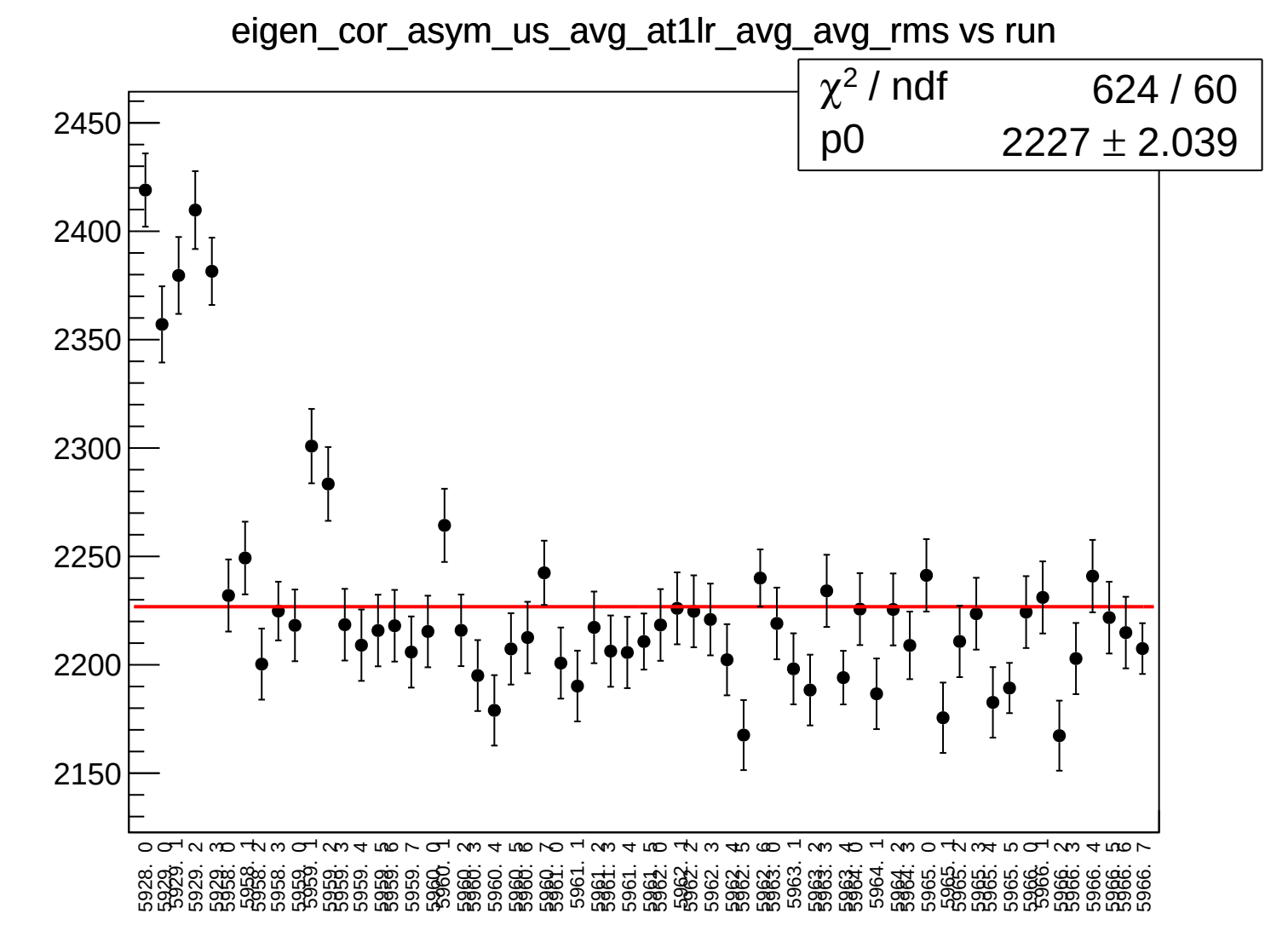

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 624 / 60
p0 2227 ± 2.039
2450
2400
2350
2300
2250
2200
2150

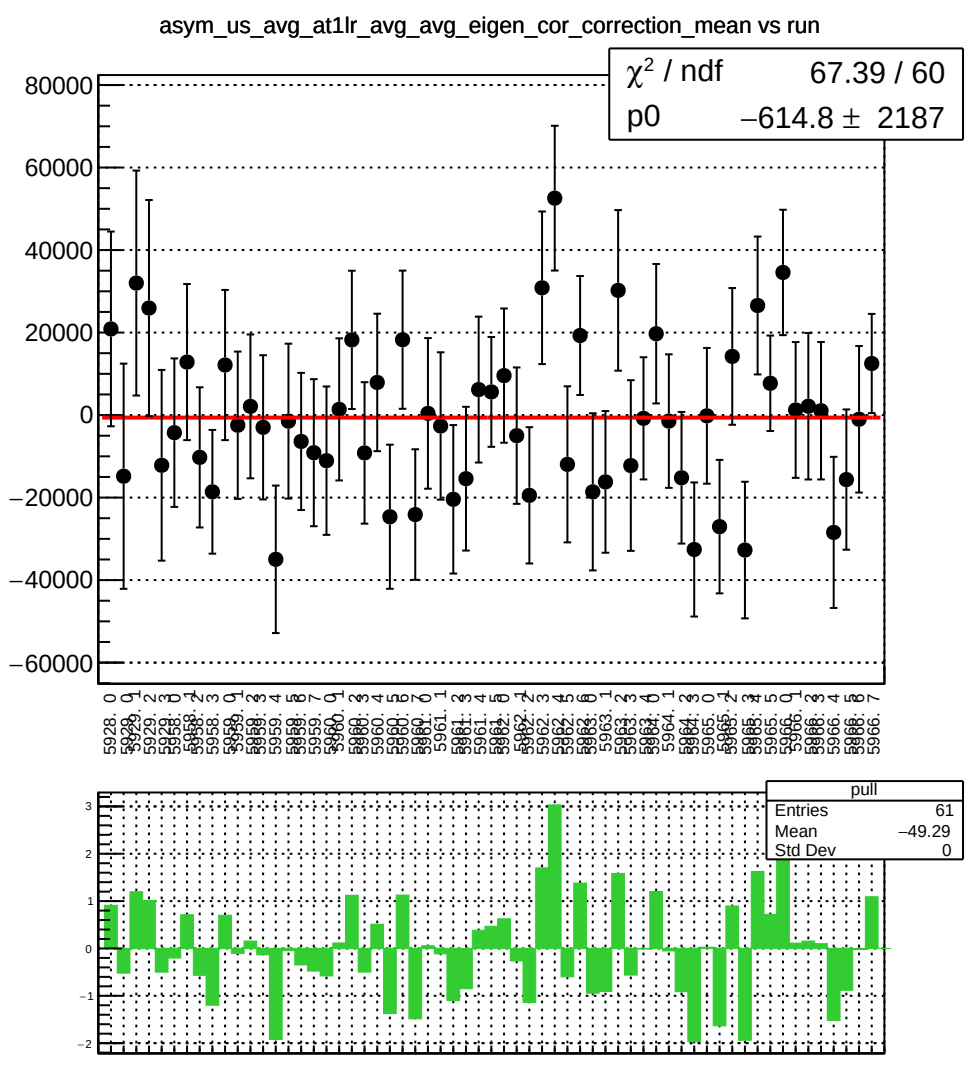

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 67.39 / 60
p0 −614.8 ± 2187
pull
Entries 61
Mean −49.29
Std Dev 0

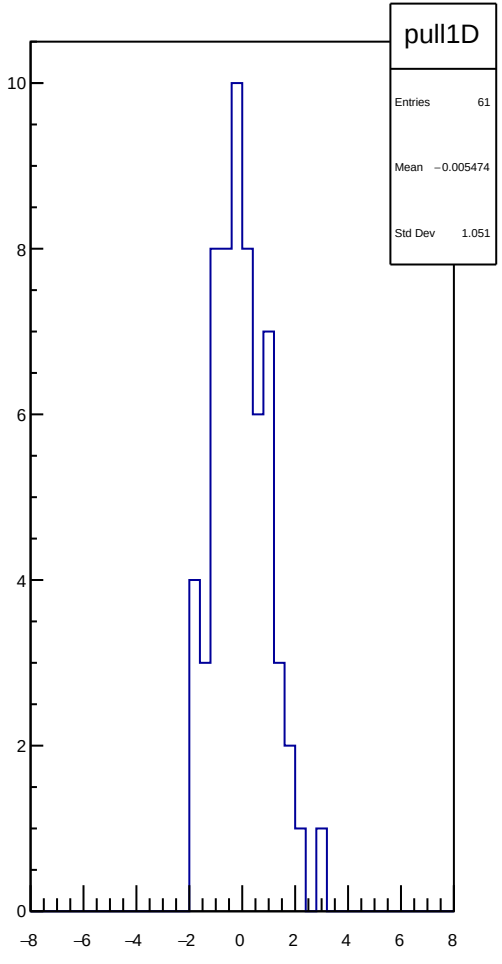

pull1D
Entries 61
Mean −0.005474
Std Dev 1.051

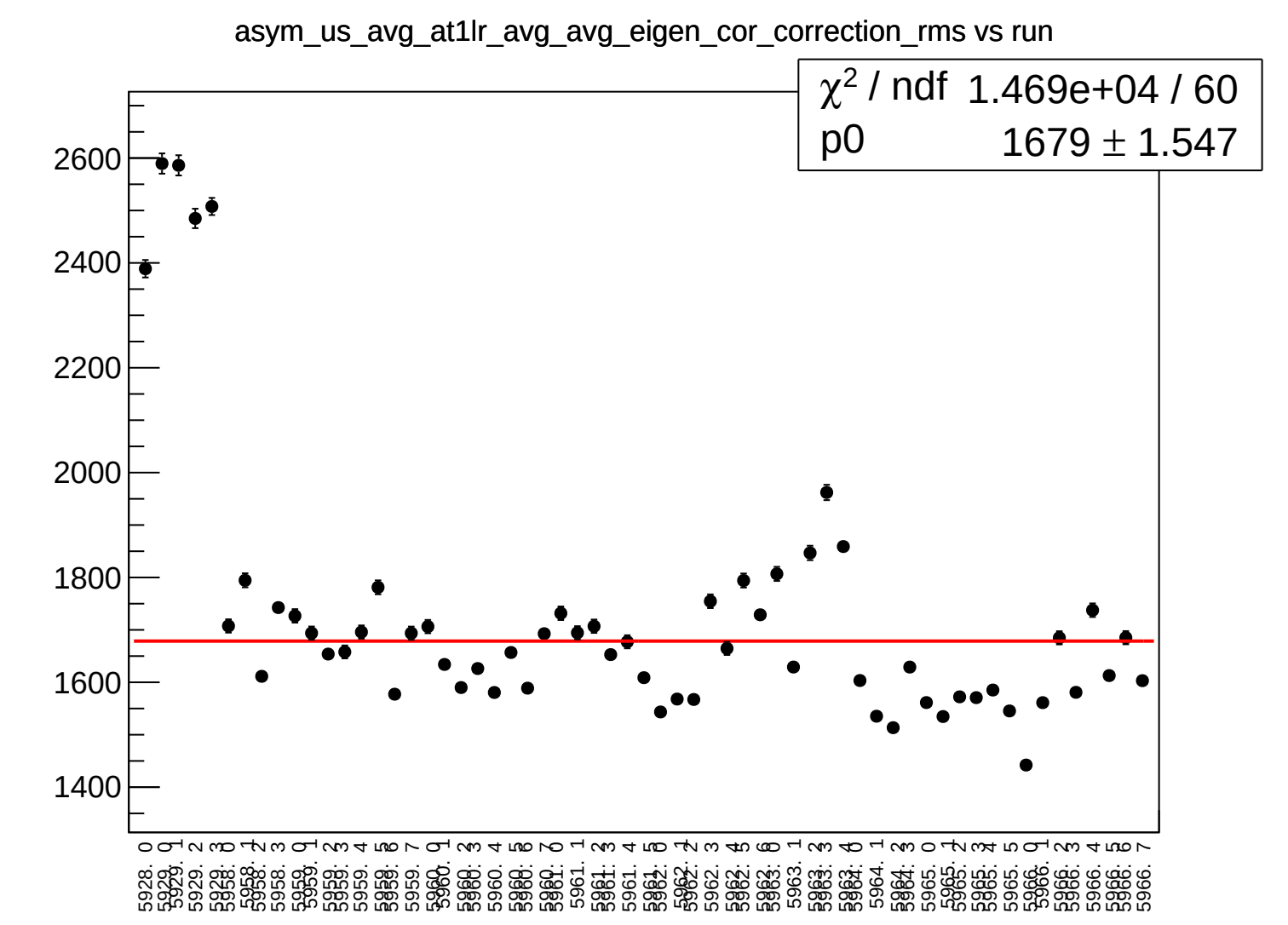

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1679 ± 1.547
2600
2400
2200
2000
1800
1600
1400

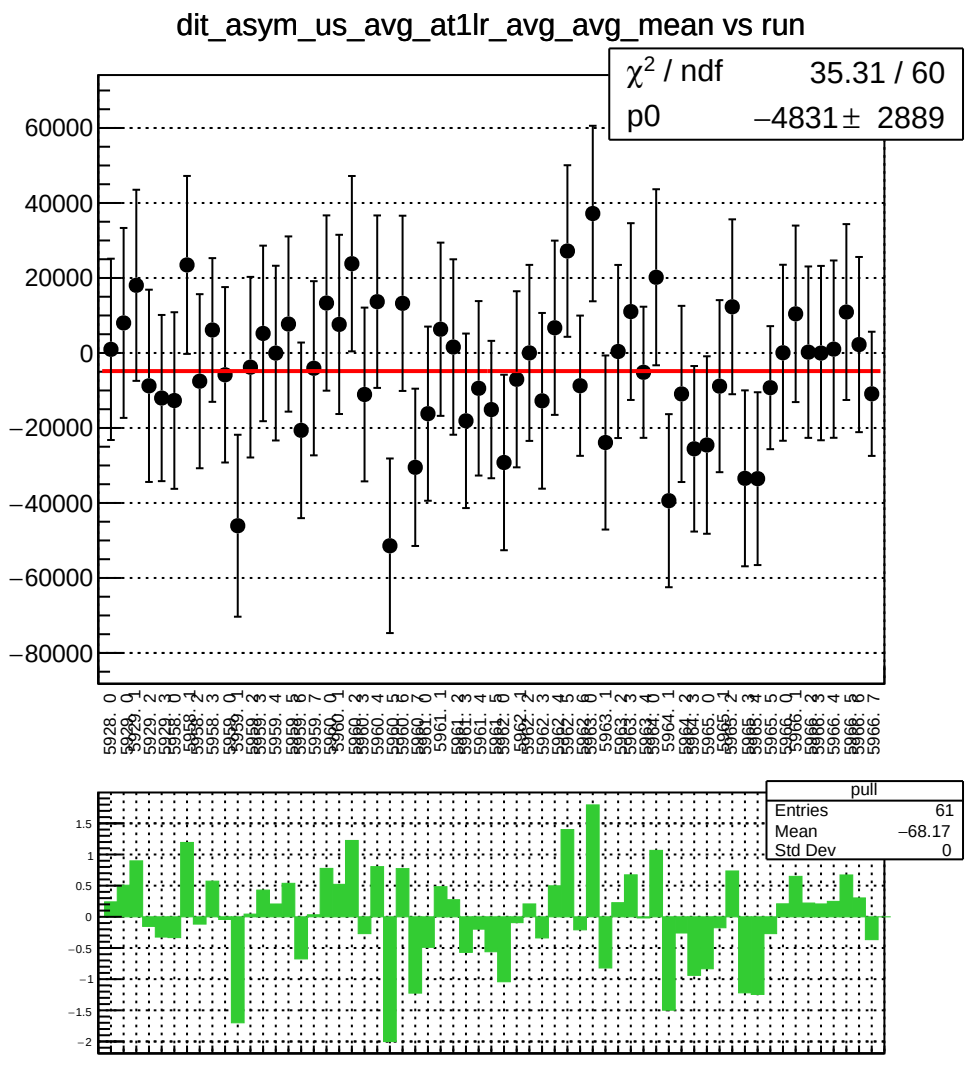

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 33.75 / 60
p0 −5088 ± 2884
pull
Entries 61
Mean −48.2
Std Dev 0
pull1D
Entries 61
Mean 0.009678
Std Dev 0.7438

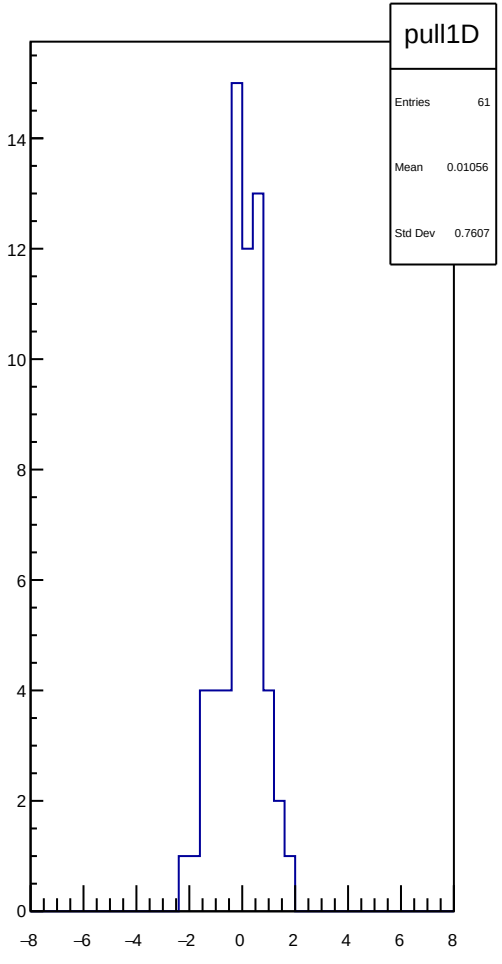

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 624 / 60
p0 2227 ± 2.039
2450
2400
2350
2300
2250
2200
2150

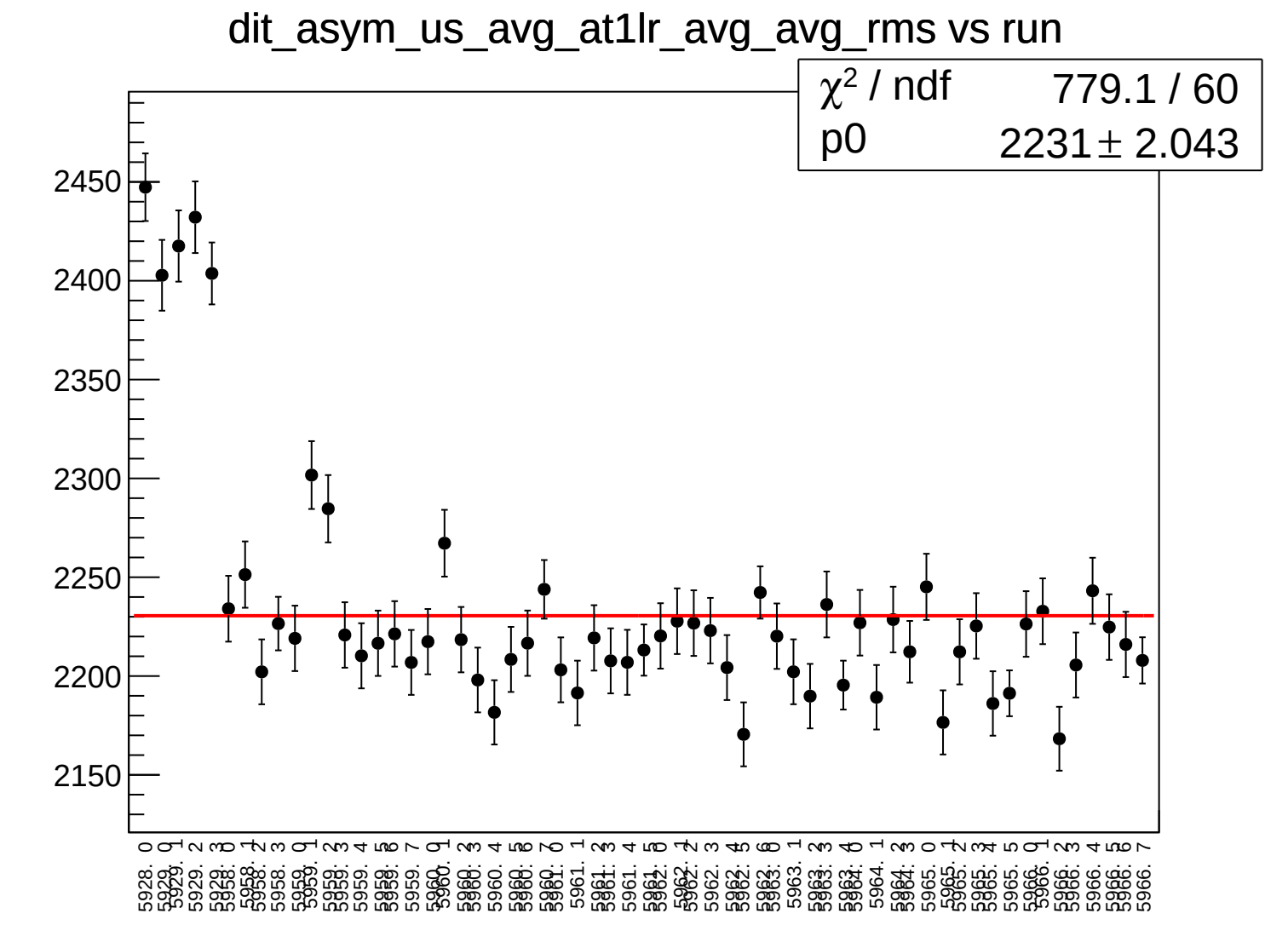

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.39 / 60
p0 −614.8 ± 2187
pull
Entries 61
Mean −49.29
Std Dev 0

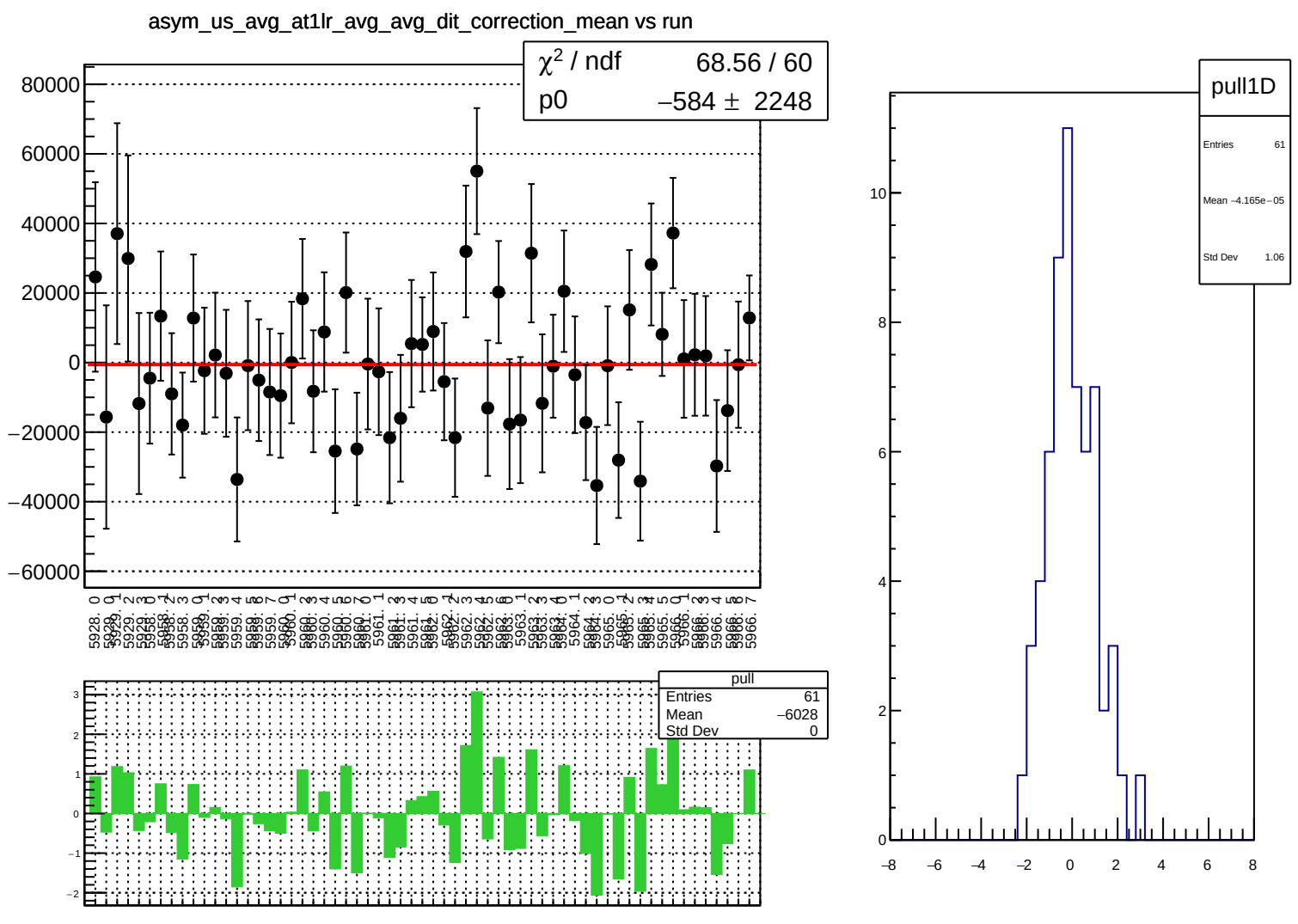

pull1D
Entries 61
Mean −0.005474
Std Dev 1.051

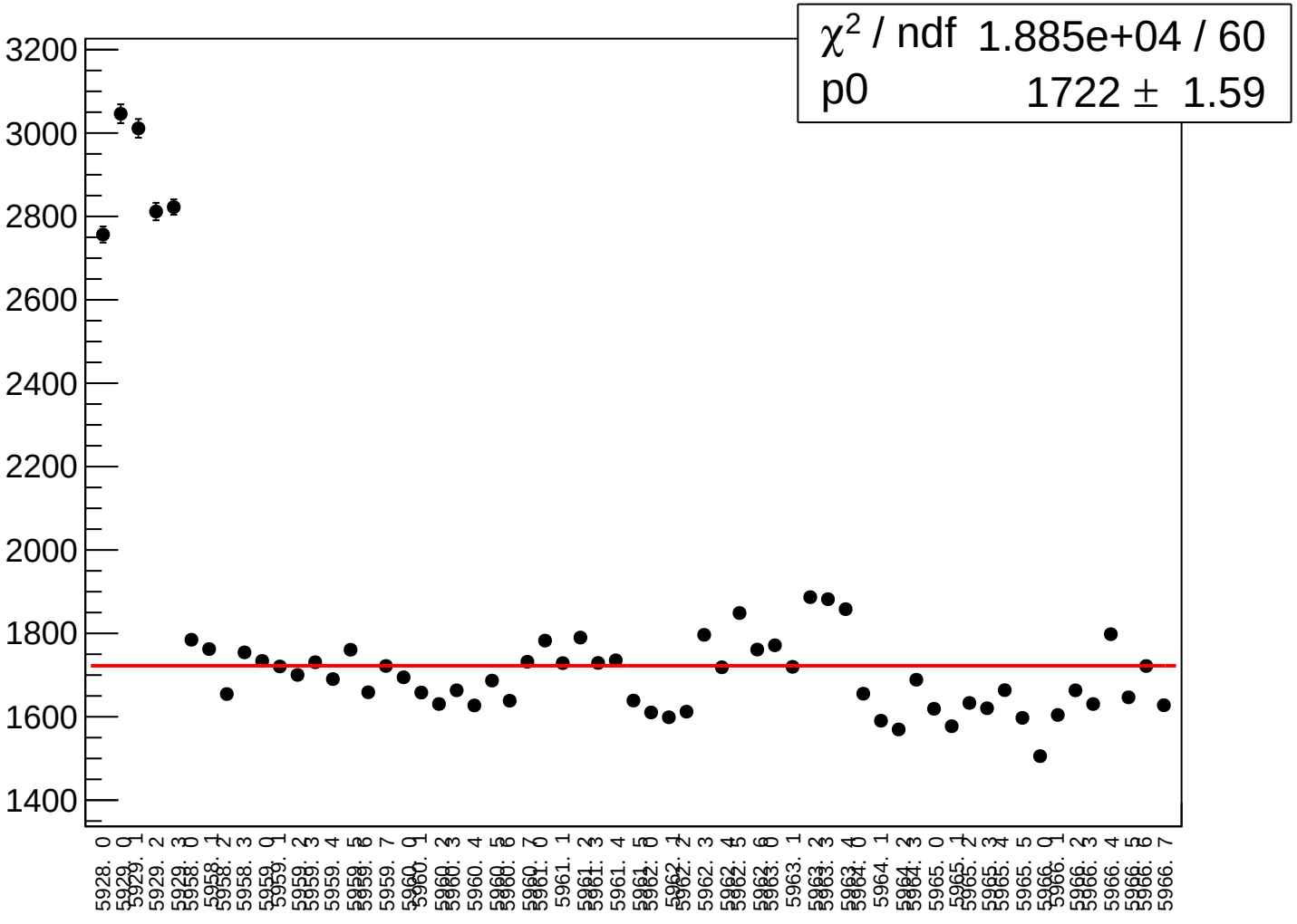

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1679 ± 1.547
2600
2400
2200
2000
1800
1600
1400

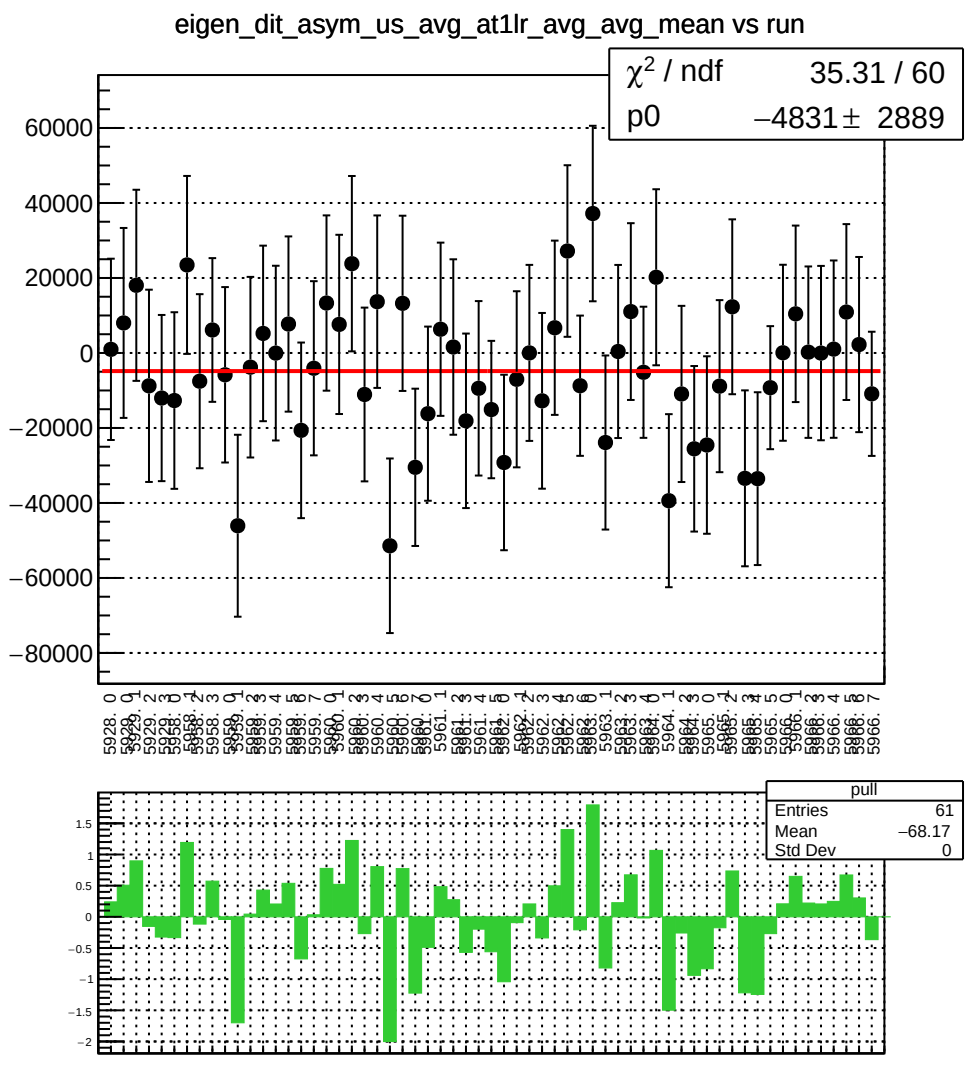

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 35.31 / 60
p0 −4831 ± 2889
pull
Entries 61
Mean −68.17
Std Dev 0

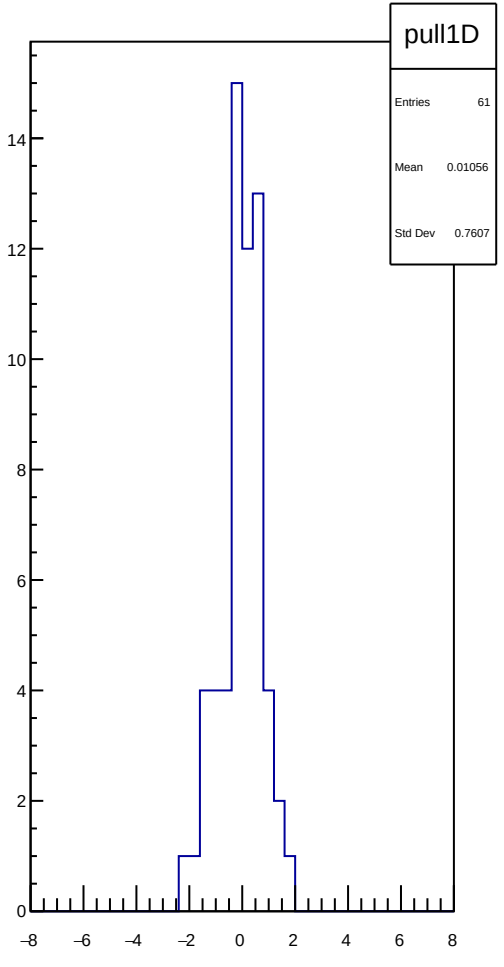

pull1D
Entries 61
Mean 0.01056
Std Dev 0.7607

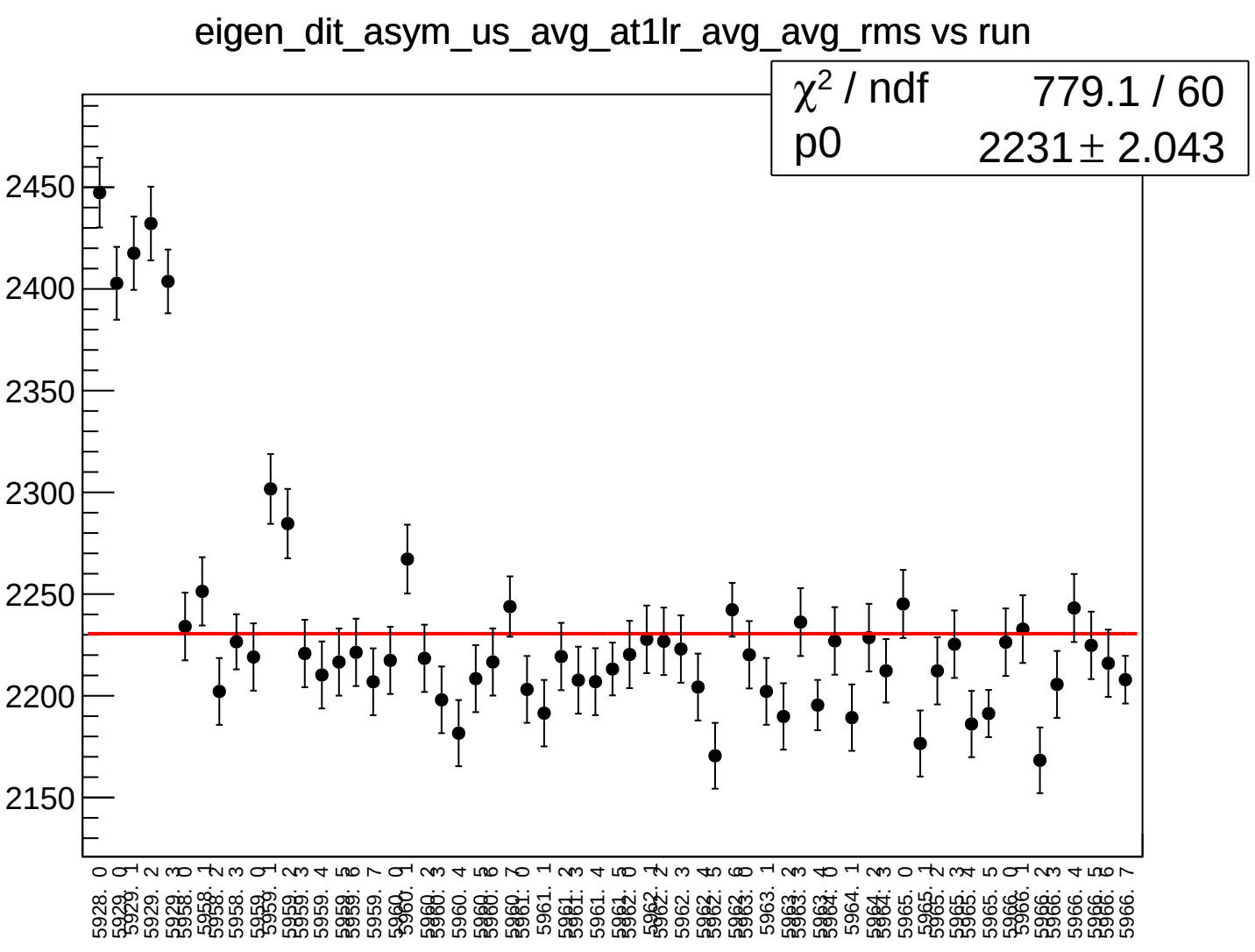

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 779.1 / 60
p0 2231 ± 2.043
2450
2400
2350
2300
2250
2200
2150

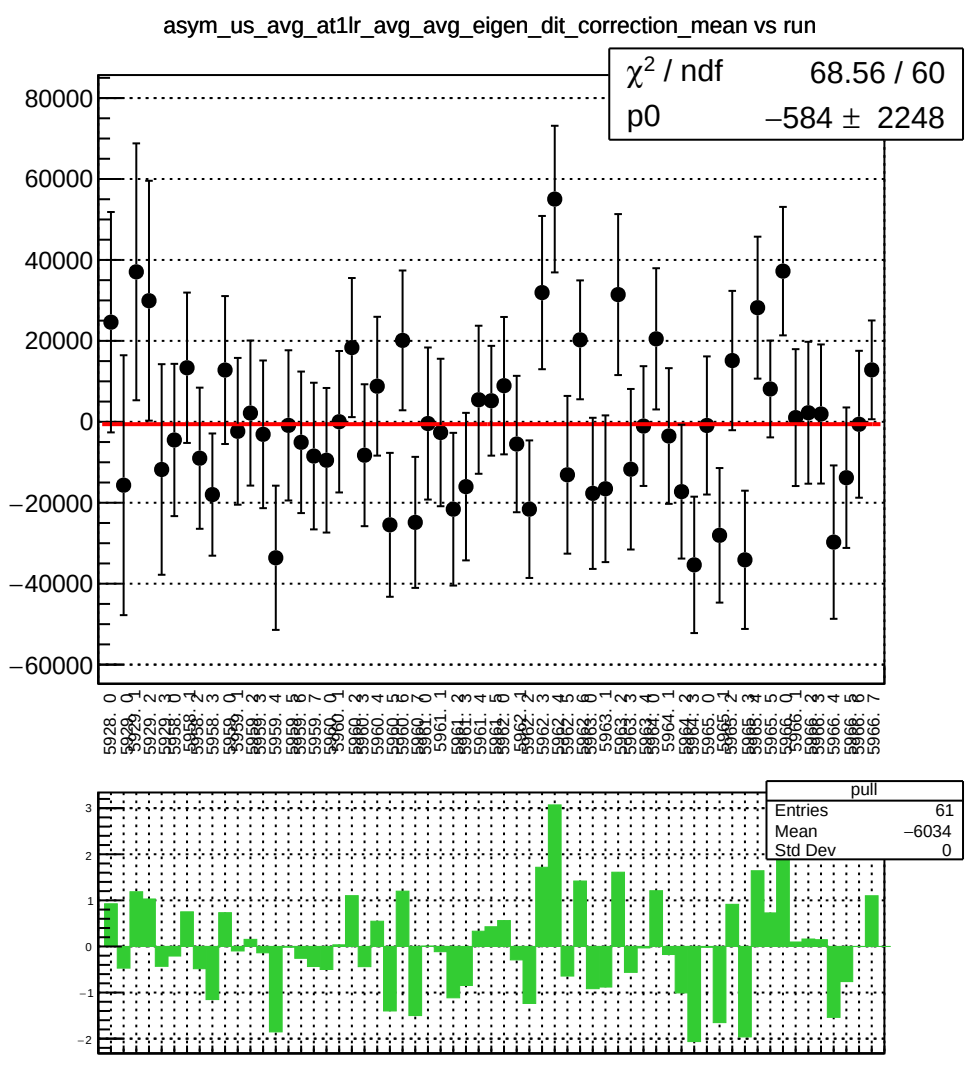

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 68.56 / 60
p0 −584 ± 2248
pull
Entries 61
Mean −6028
Std Dev 0
pull1D
Entries 61
Mean −4.165e−05
Std Dev 1.06

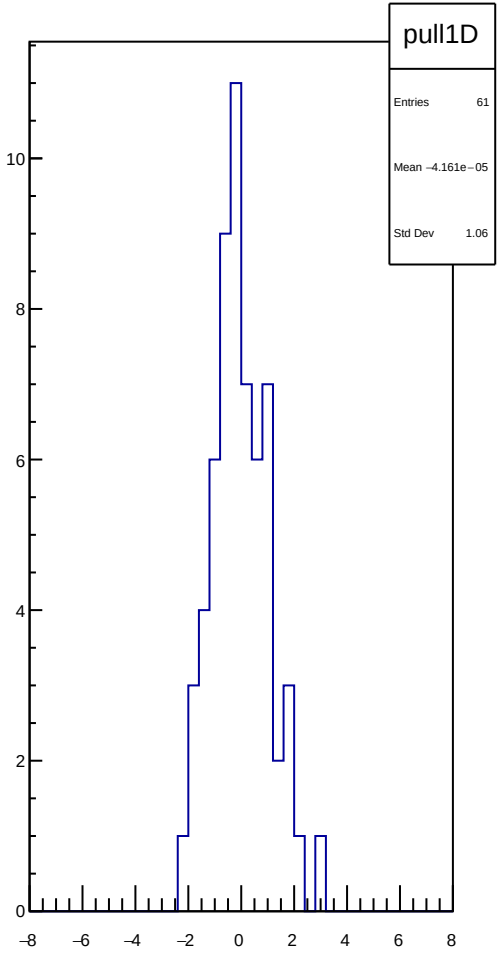

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.885e+04 / 60
p0 1722 ± 1.59
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

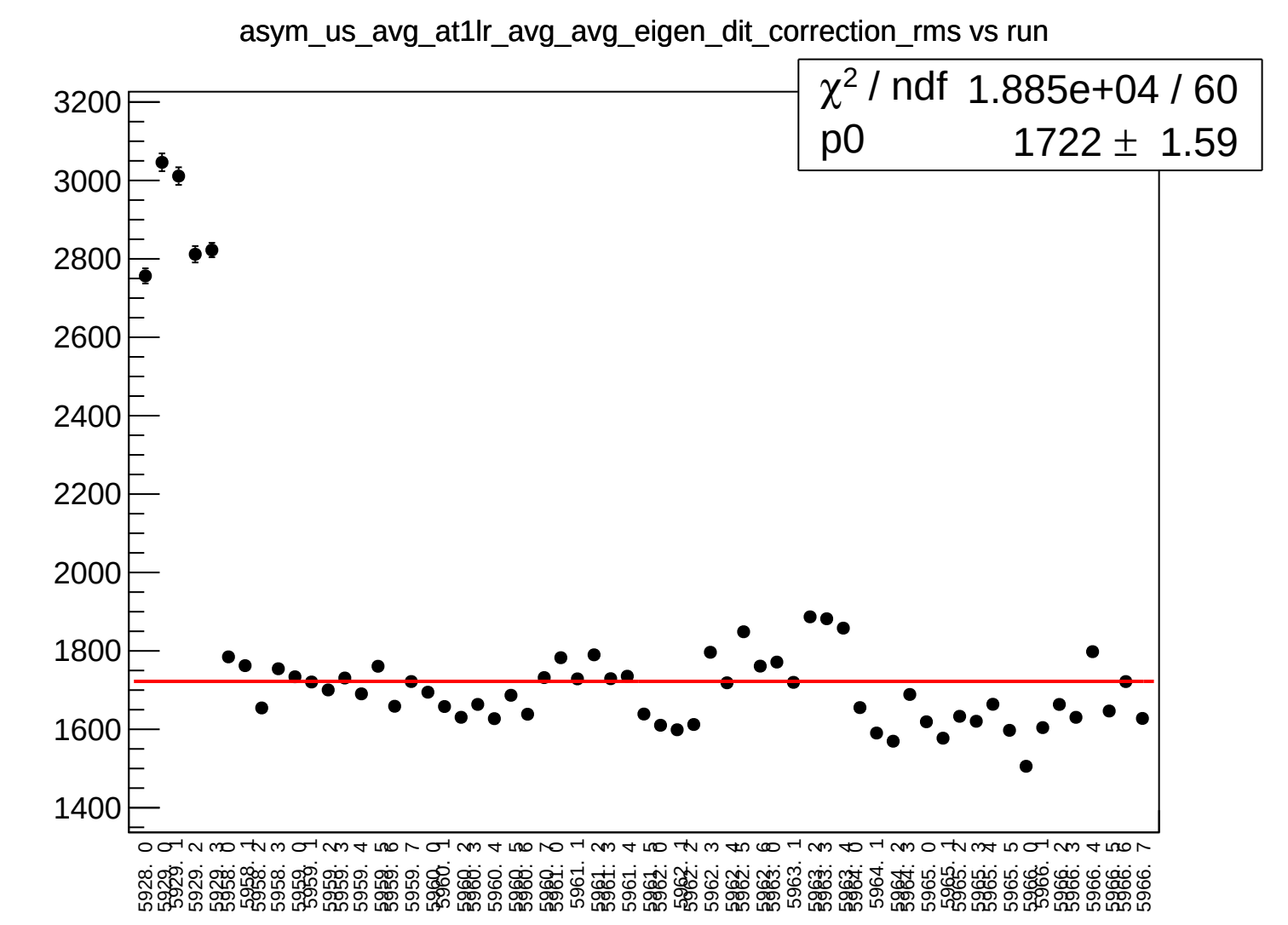

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 35.31 / 60
p0 −4831 ± 2889
pull
Entries 61
Mean −68.17
Std Dev 0

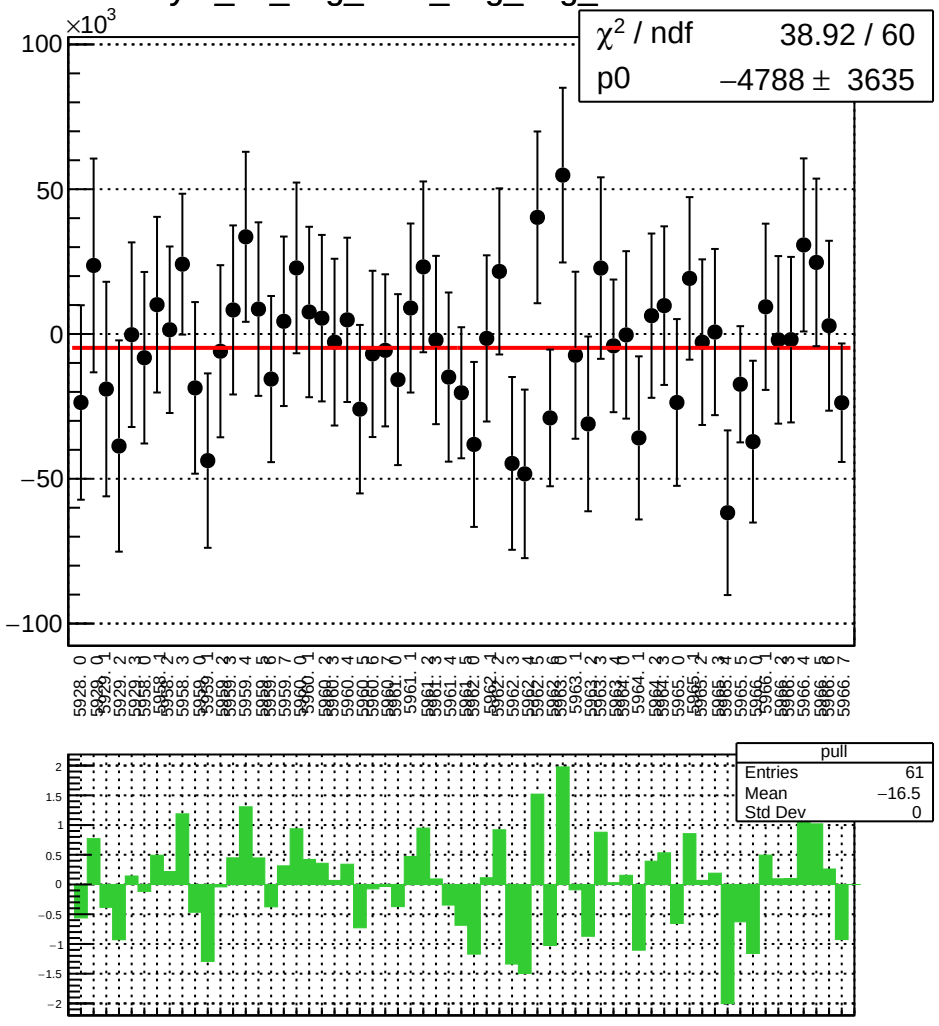

pull1D
Entries 61
Mean 0.01056
Std Dev 0.7607

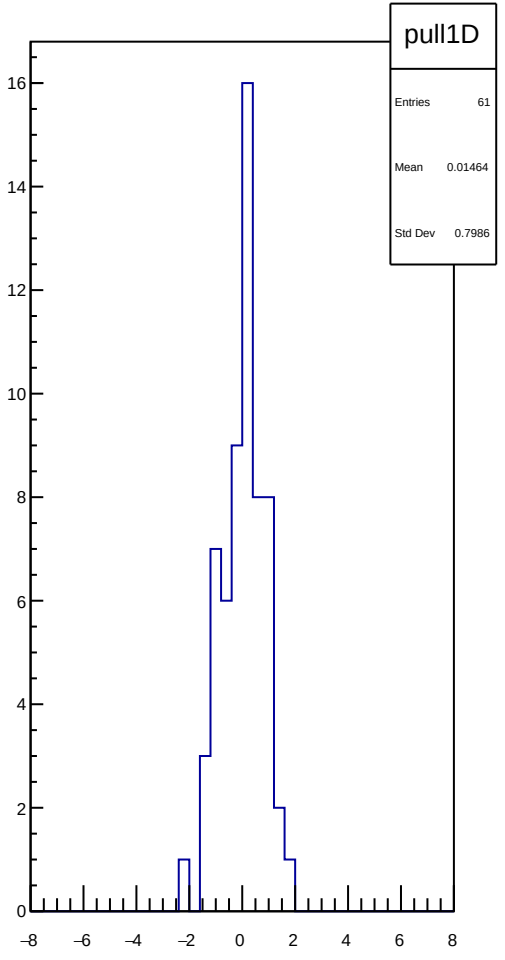

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 779.1 / 60
p0 2231 ± 2.043
2450
2400
2350
2300
2250
2200
2150

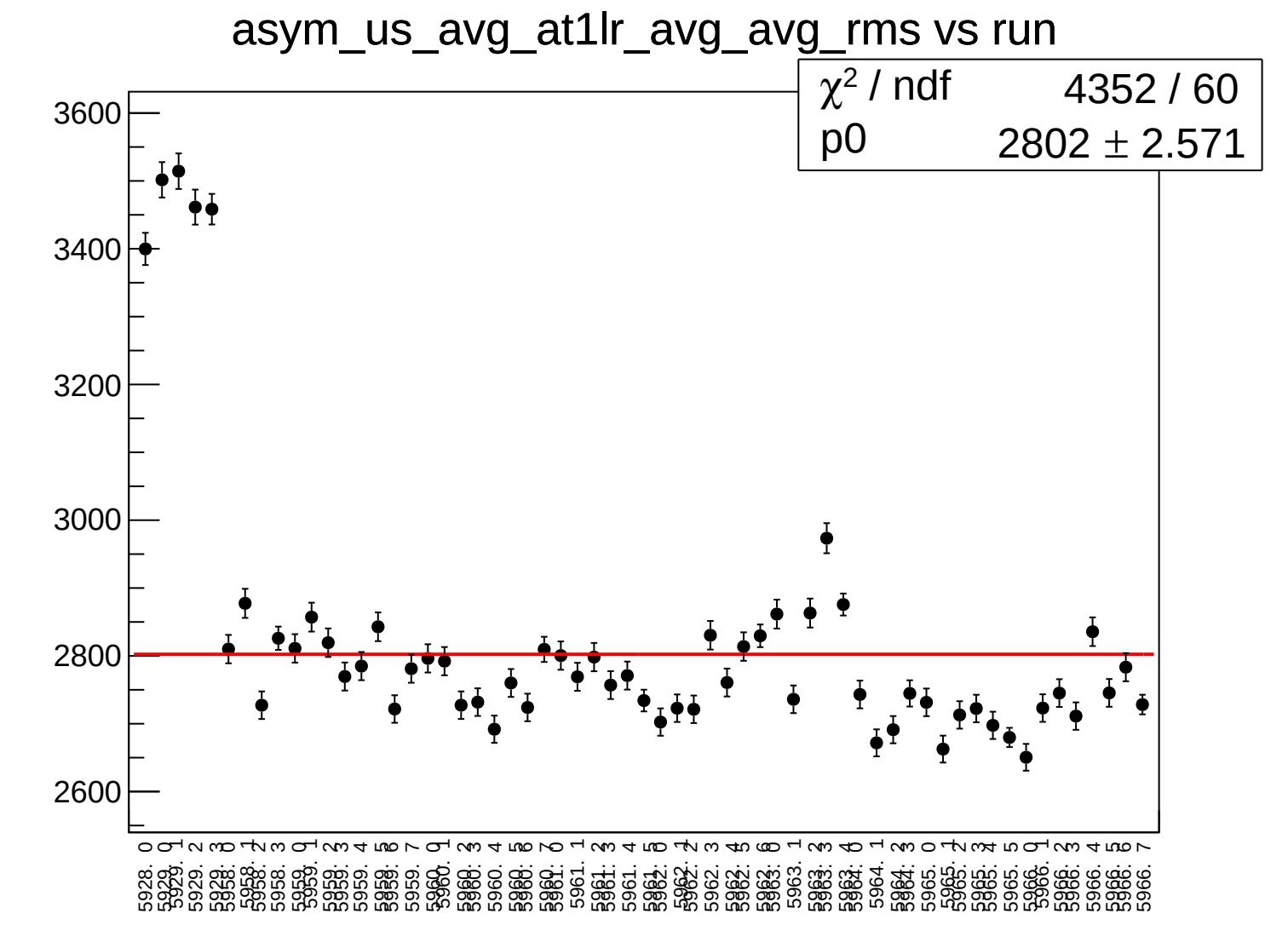

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 68.56 / 60
p0 −584 ± 2248
pull
Entries 61
Mean −6034
Std Dev 0

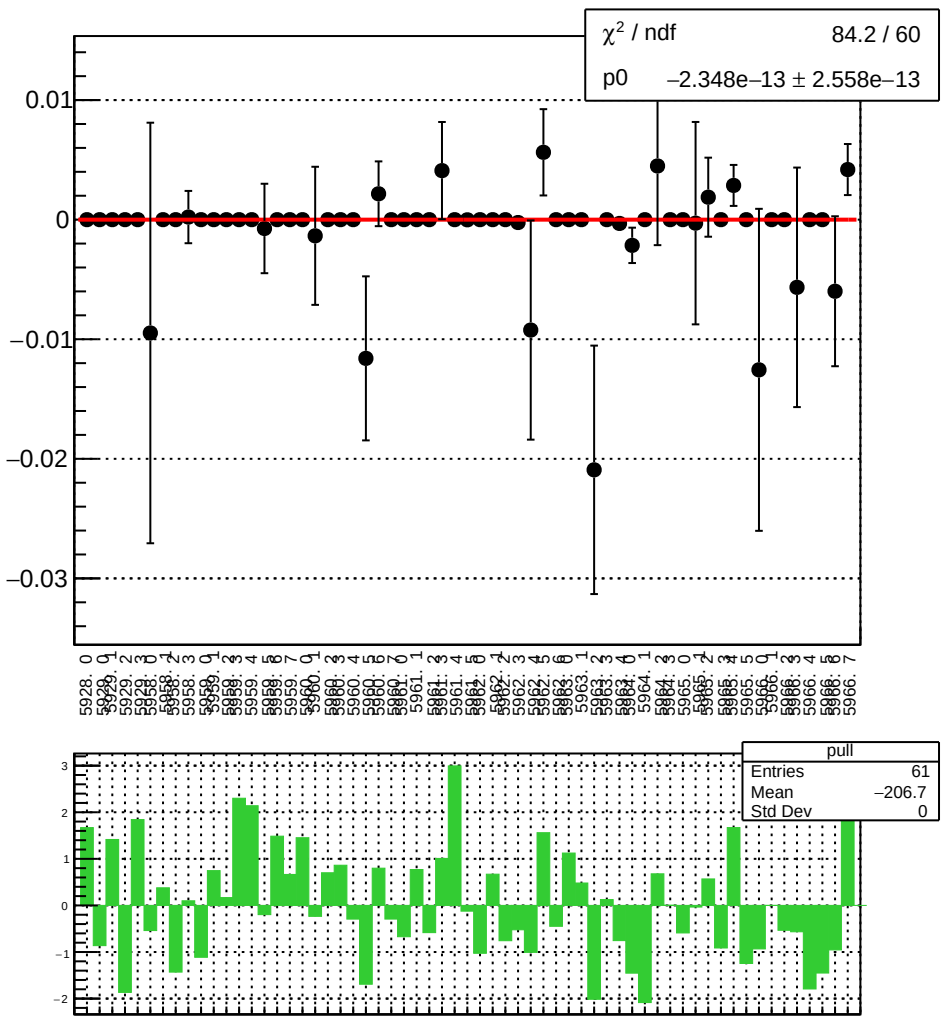

pull1D
Entries 61
Mean −4.161e−05
Std Dev 1.06

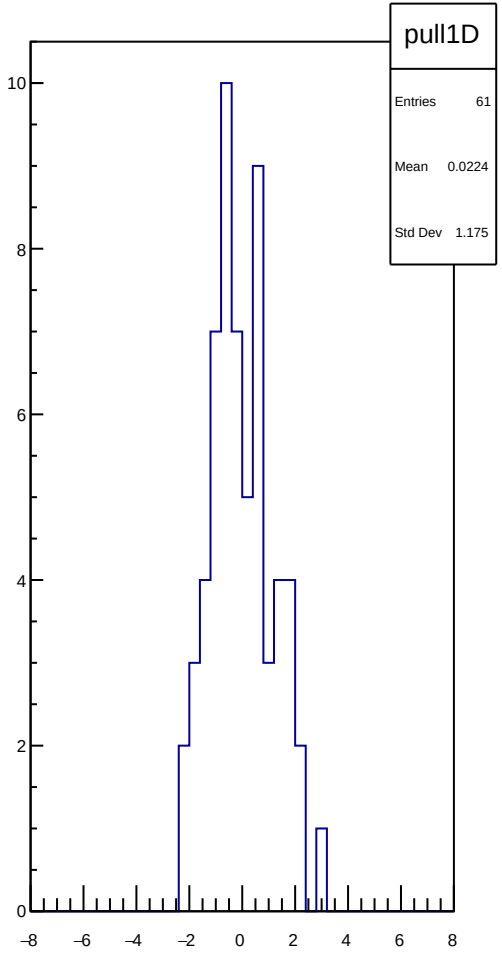

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.885e+04 / 60
p0 1722 ± 1.59
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

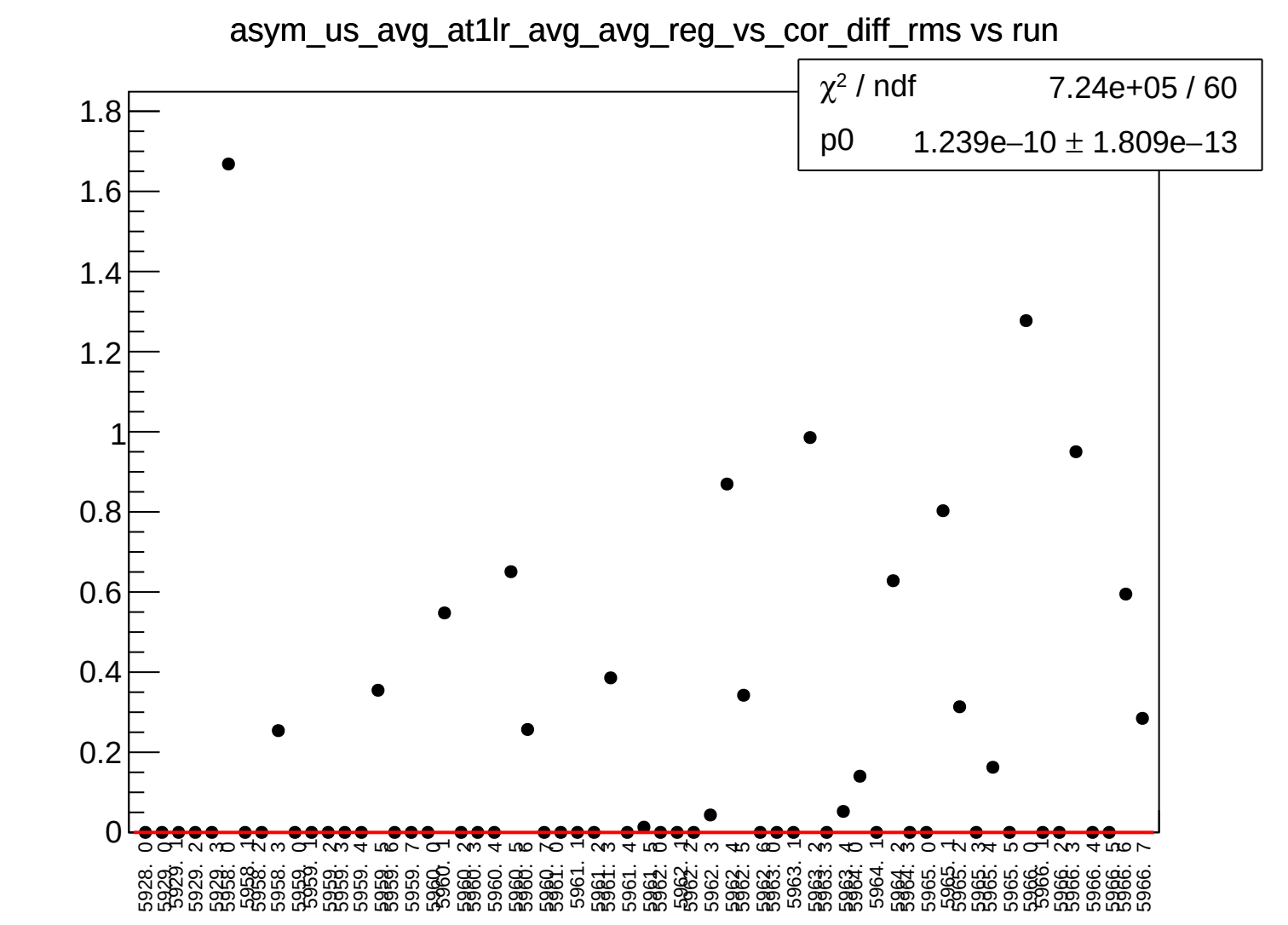

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 38.92 / 60
p0 −4788 ± 3635
pull
Entries 61
Mean −16.5
Std Dev 0

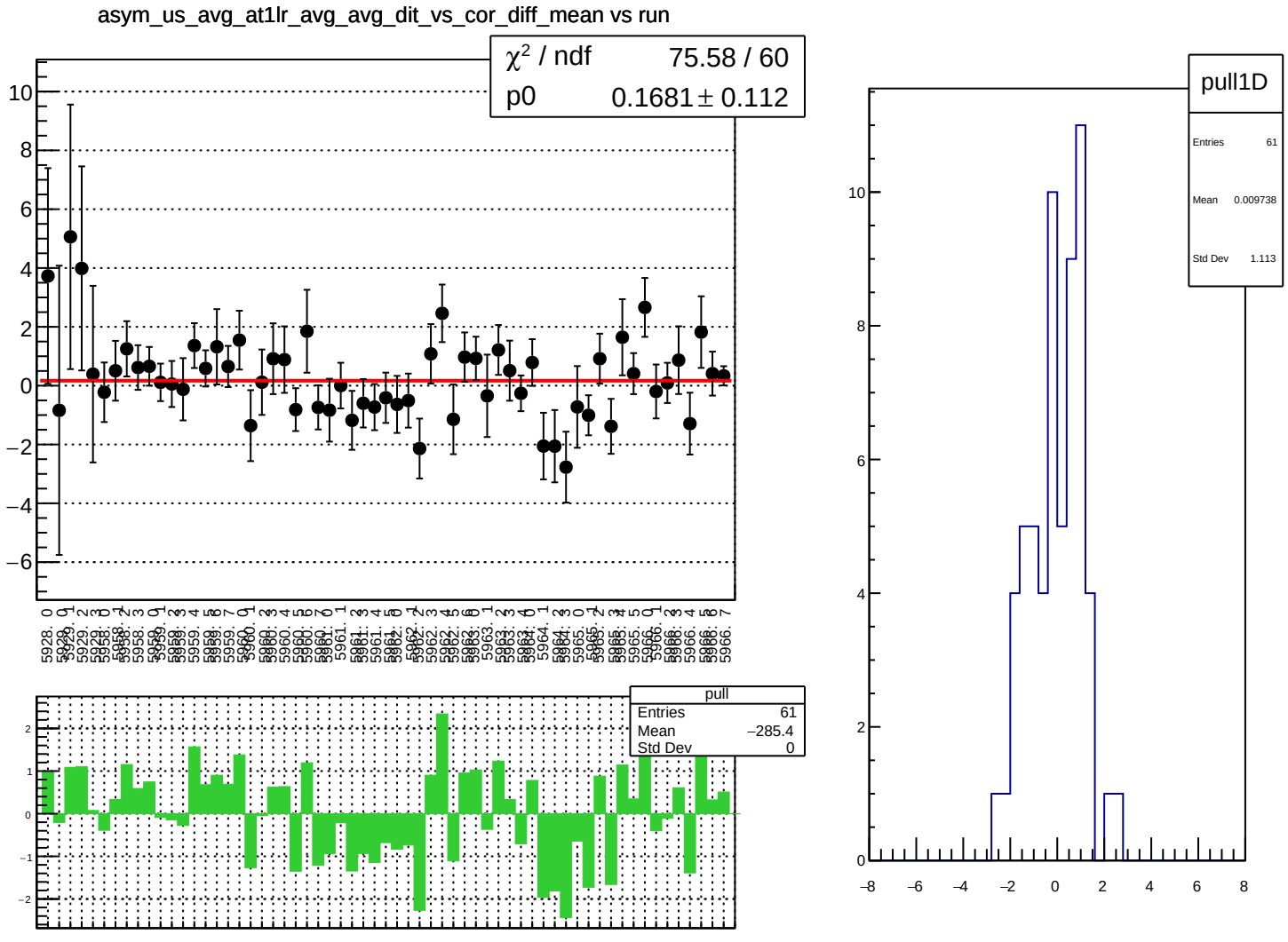

pull1D
Entries 61
Mean 0.01464
Std Dev 0.7986

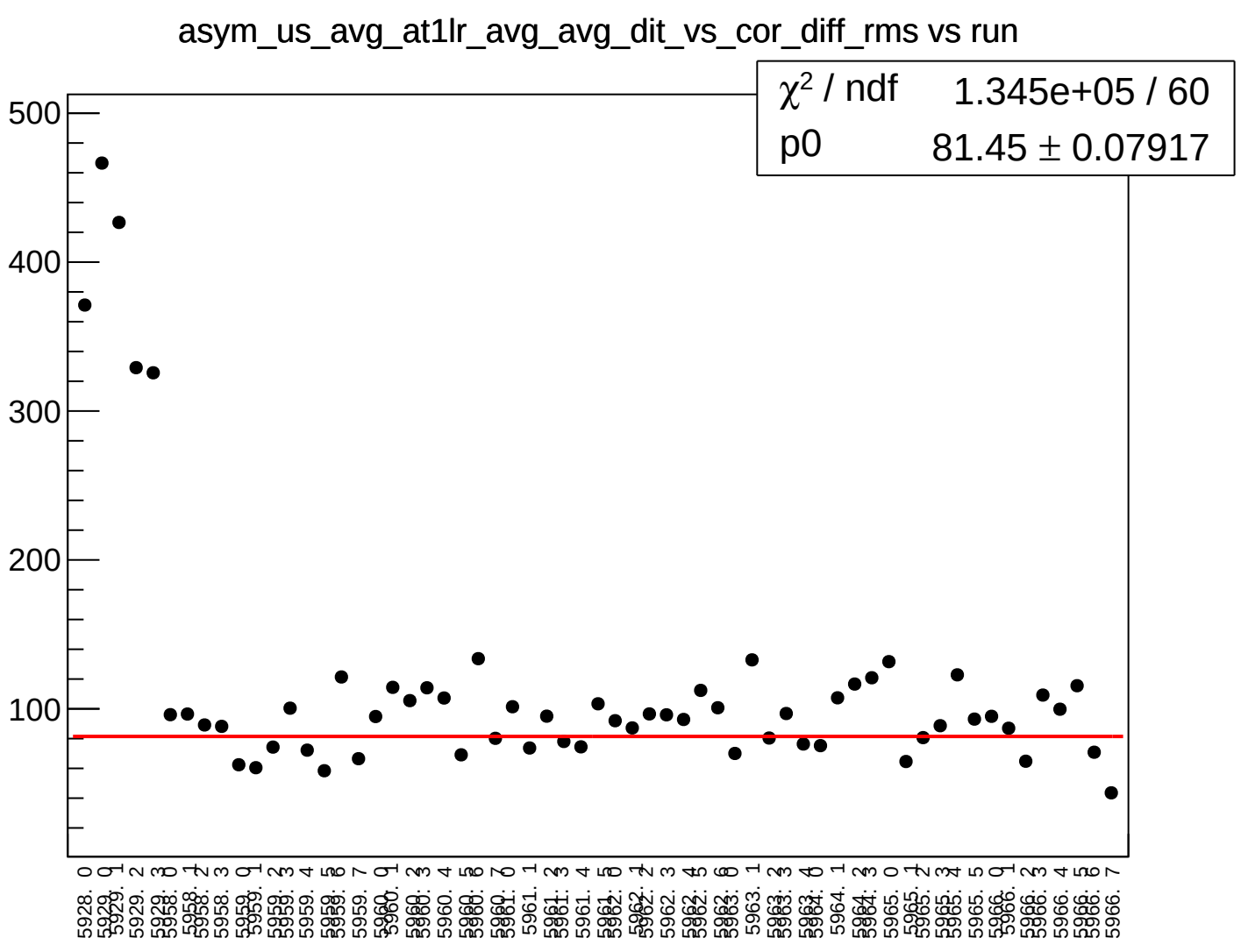

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 4352 / 60
p0 2802 ± 2.571
3600
3400
3200
3000
2800
2600

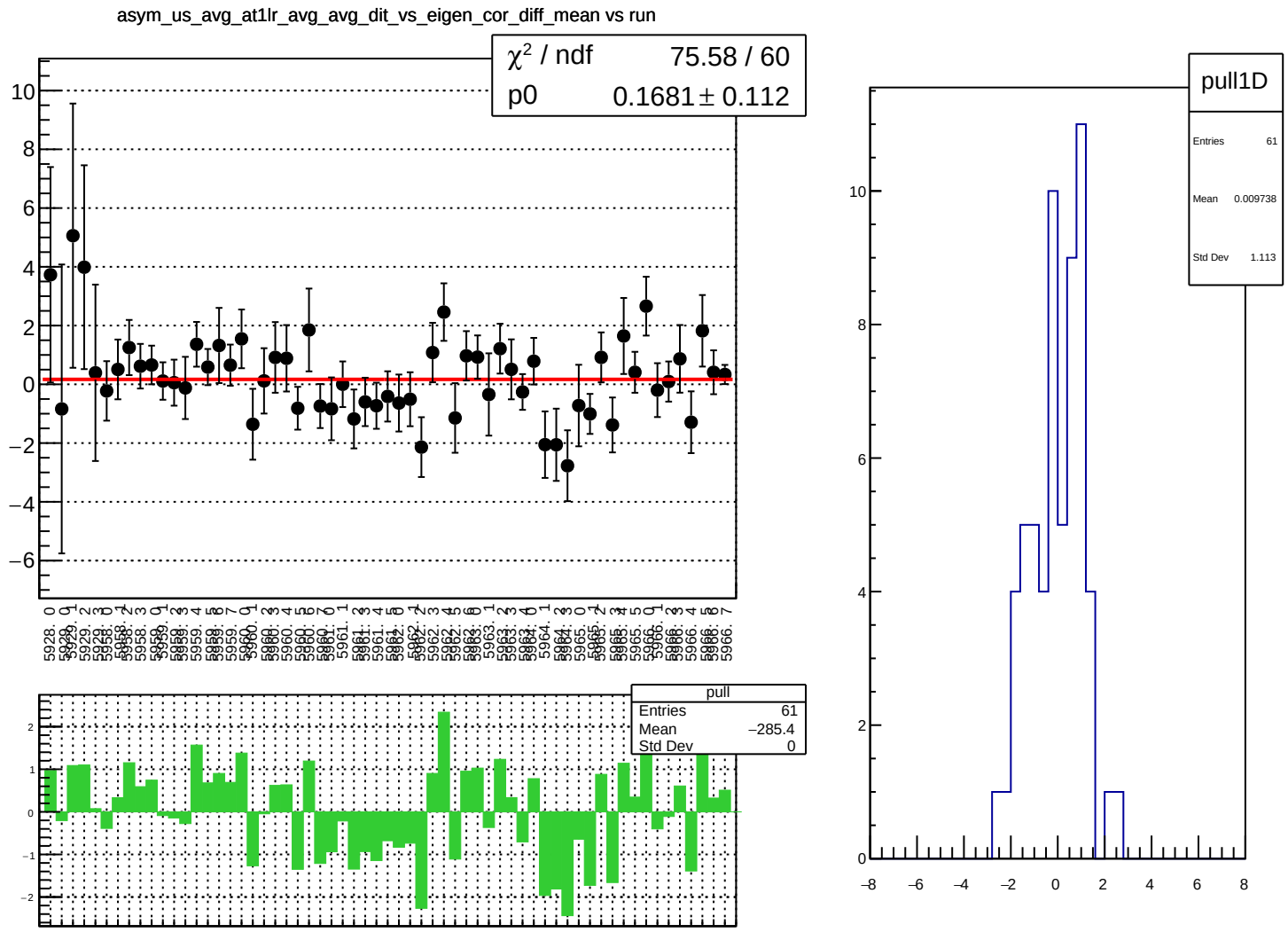

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.2 / 60
p0 −2.348e−13 ± 2.558e−13
pull
Entries 61
Mean −206.7
Std Dev 0

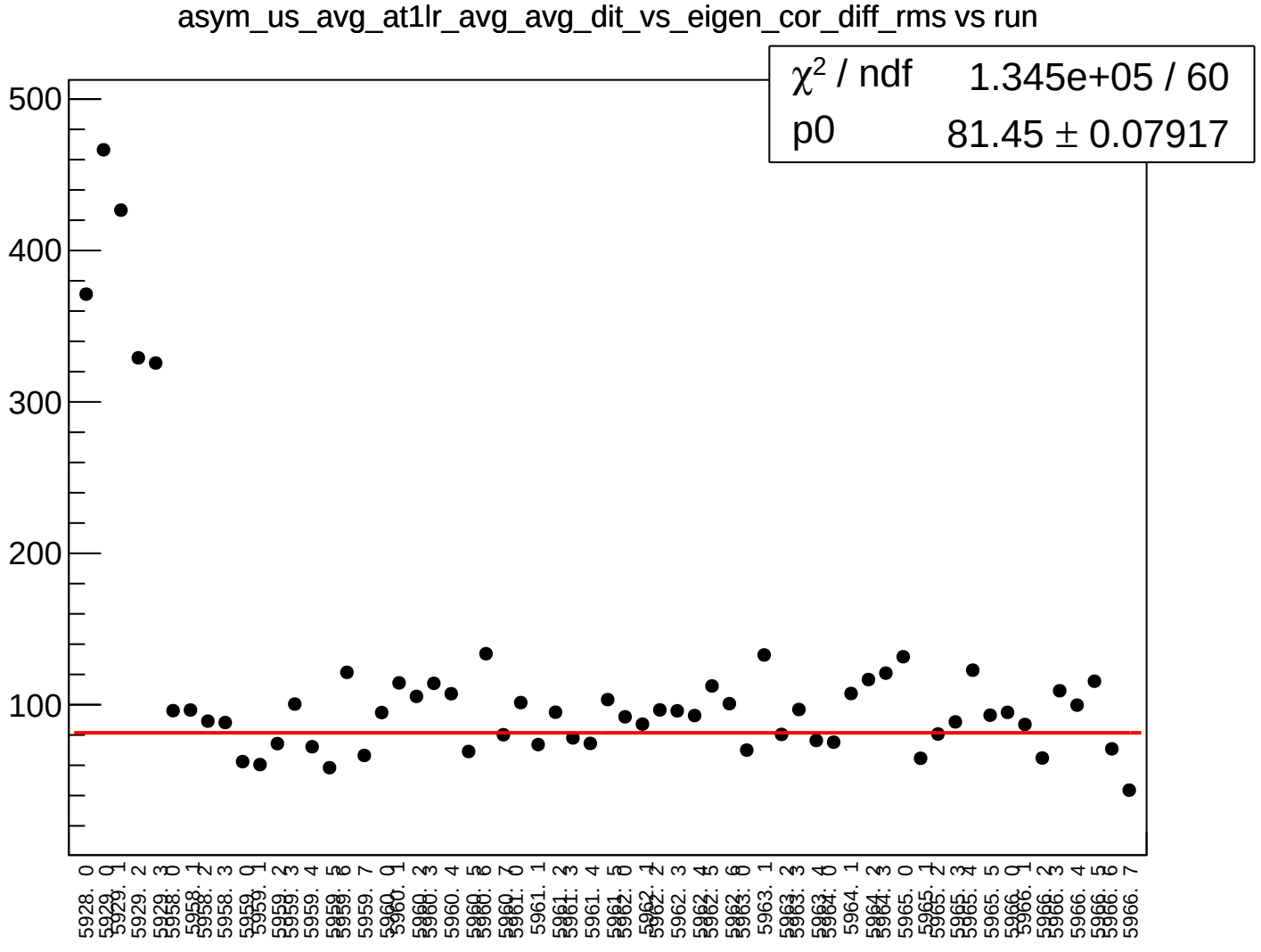

pull1D
Entries 61
Mean 0.0224
Std Dev 1.175

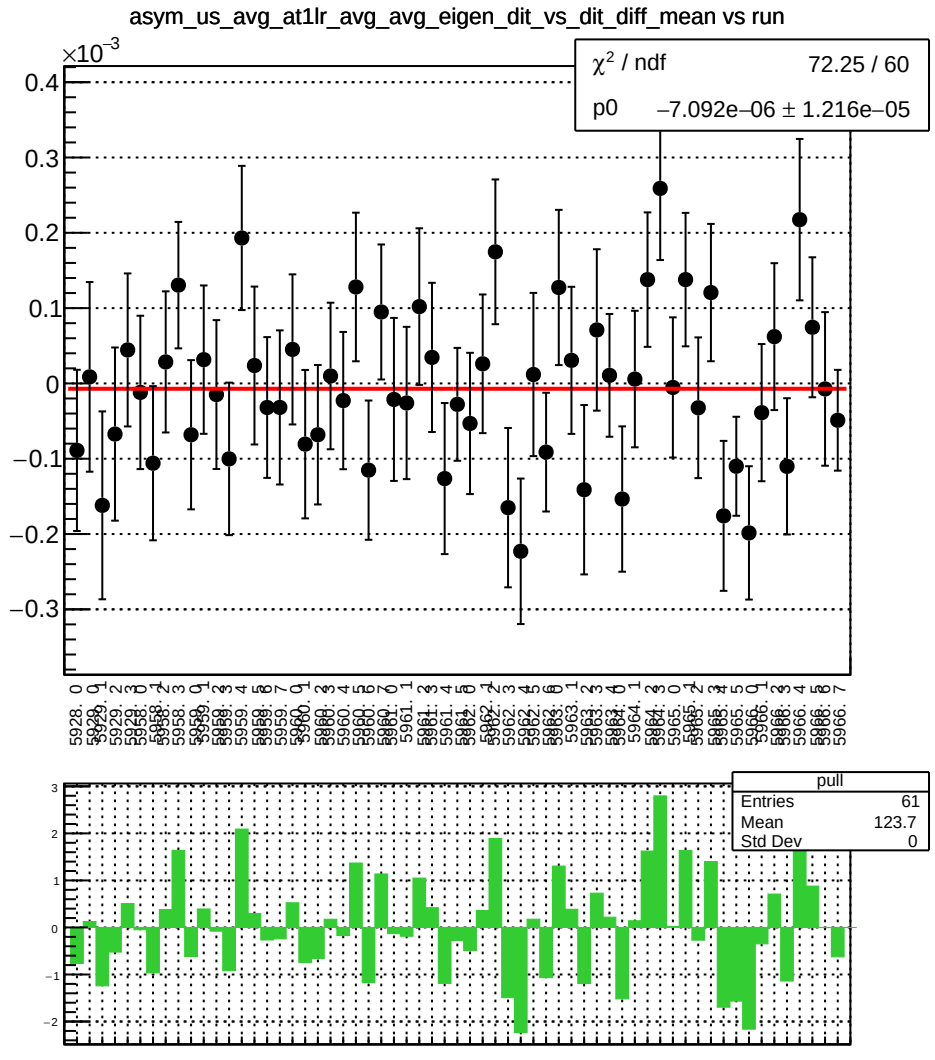

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.24e+05 / 60
p0 1.239e−10 ± 1.809e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

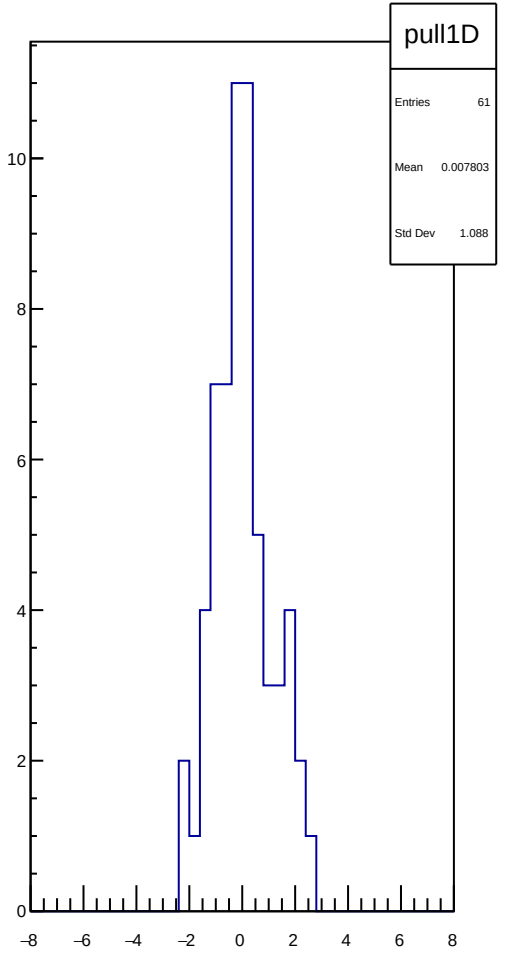

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.58 / 60
p0 0.1681 ± 0.112
pull
Entries 61
Mean −285.4
Std Dev 0
pull1D
Entries 61
Mean 0.009738
Std Dev 1.113

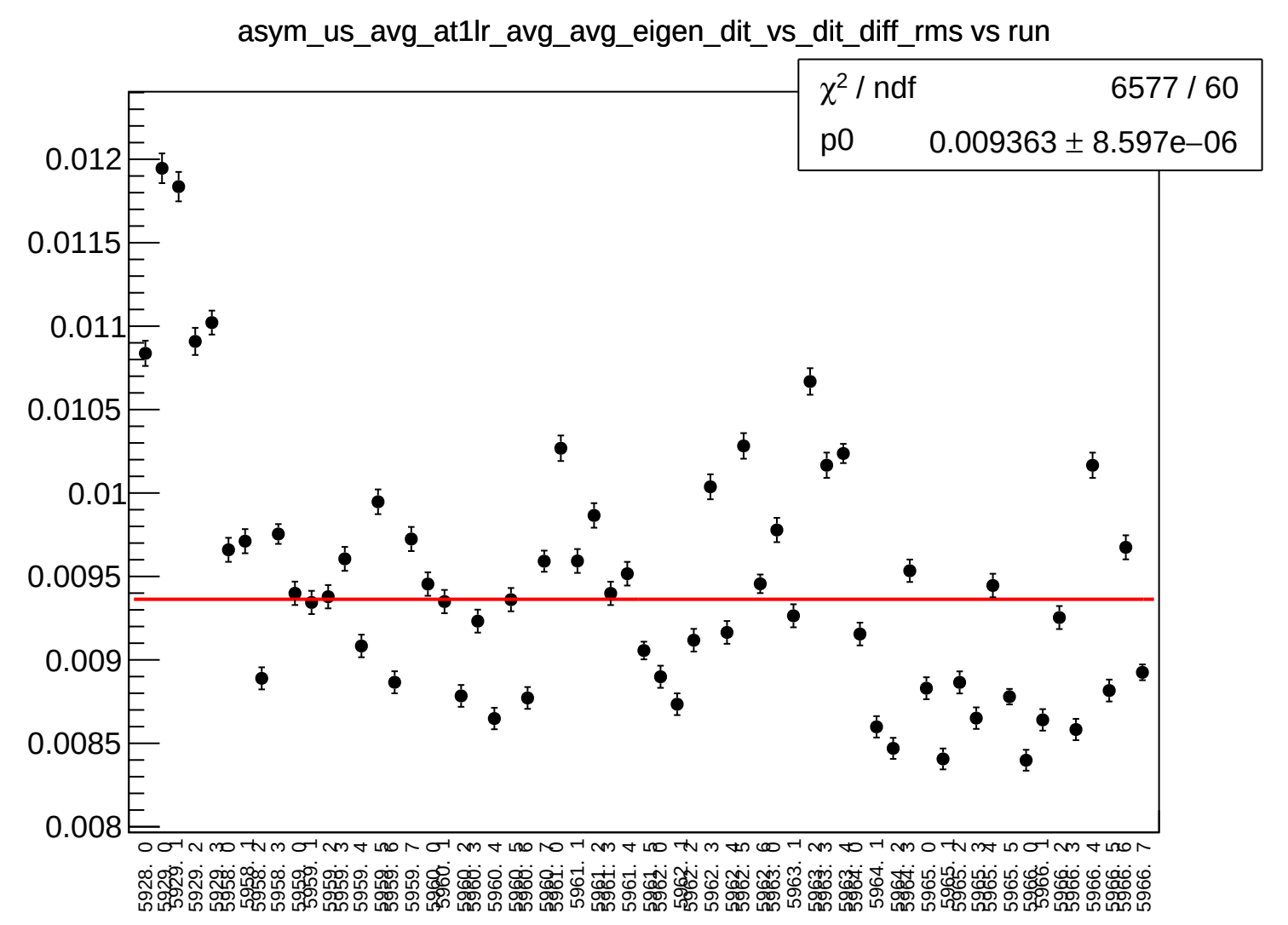

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 60
p0 81.45 ± 0.07917
500
400
300
200
100

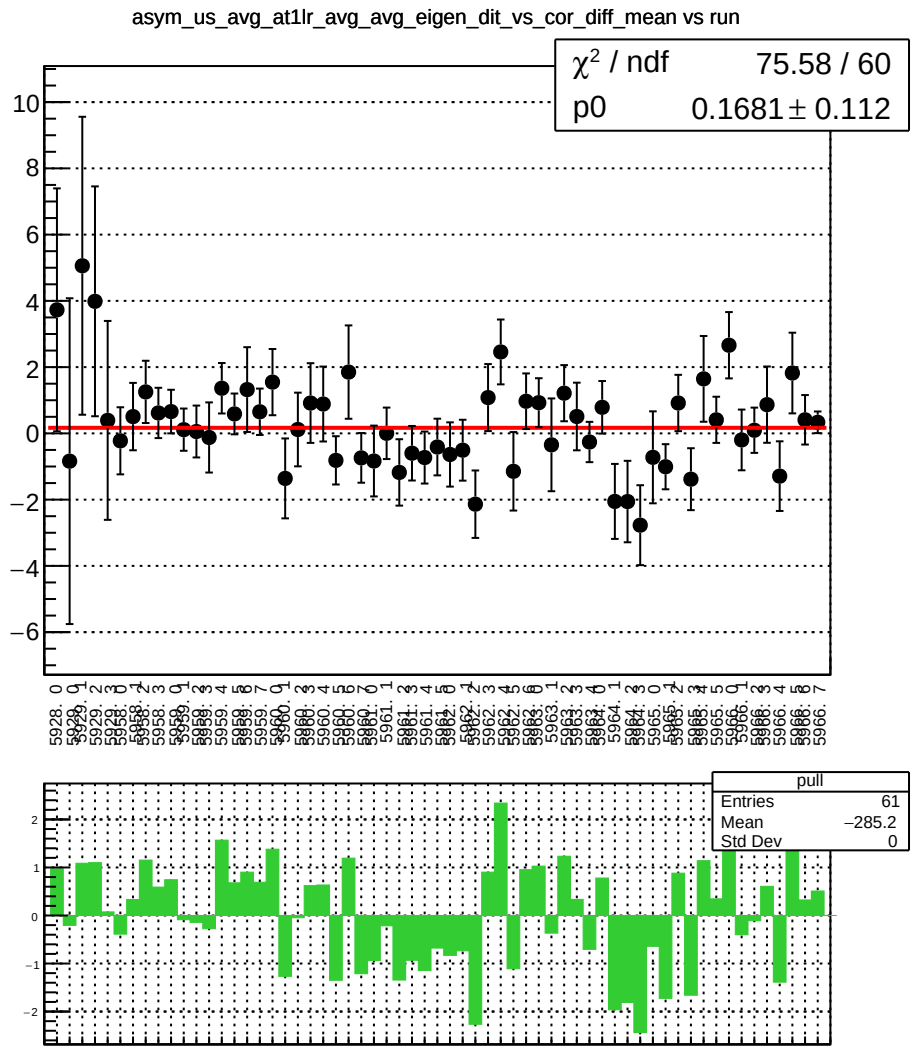

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.58 / 60
p0 0.1681 ± 0.112
pull
Entries 61
Mean −285.4
Std Dev 0
pull1D
Entries 61
Mean 0.009738
Std Dev 1.113

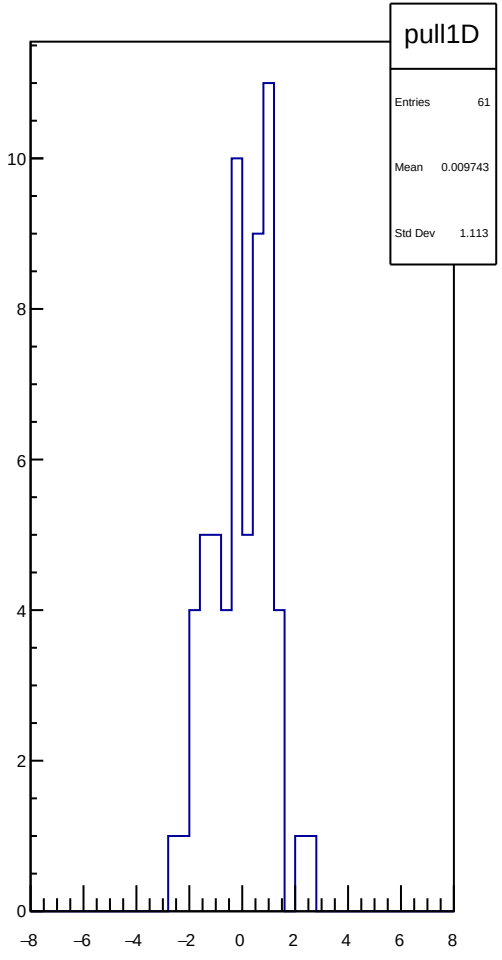

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 60
p0 81.45 ± 0.07917
500
400
300
200
100

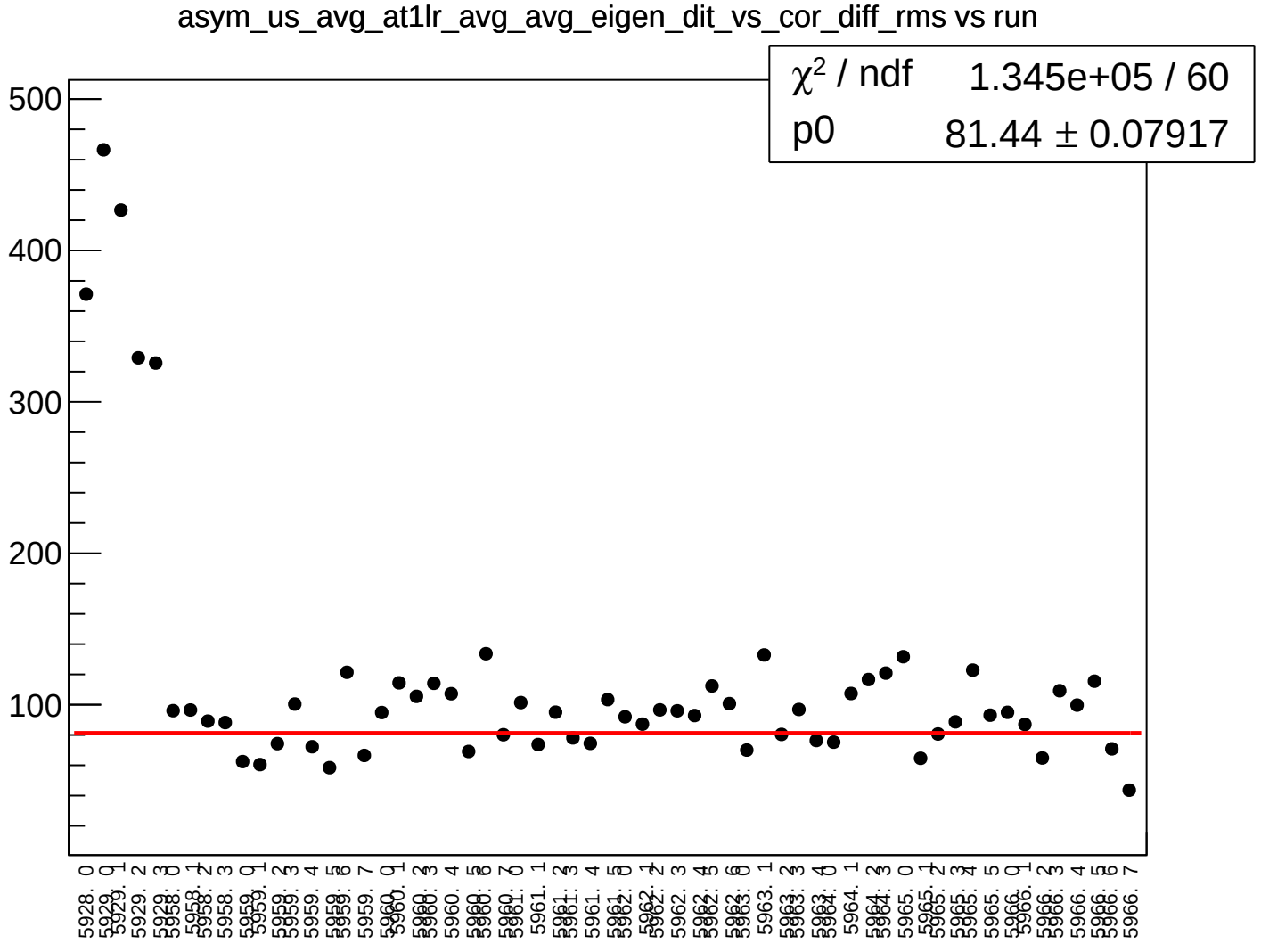

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.25 / 60
p0 −7.092e−06 ± 1.216e−05
pull
Entries 61
Mean 123.7
Std Dev 0

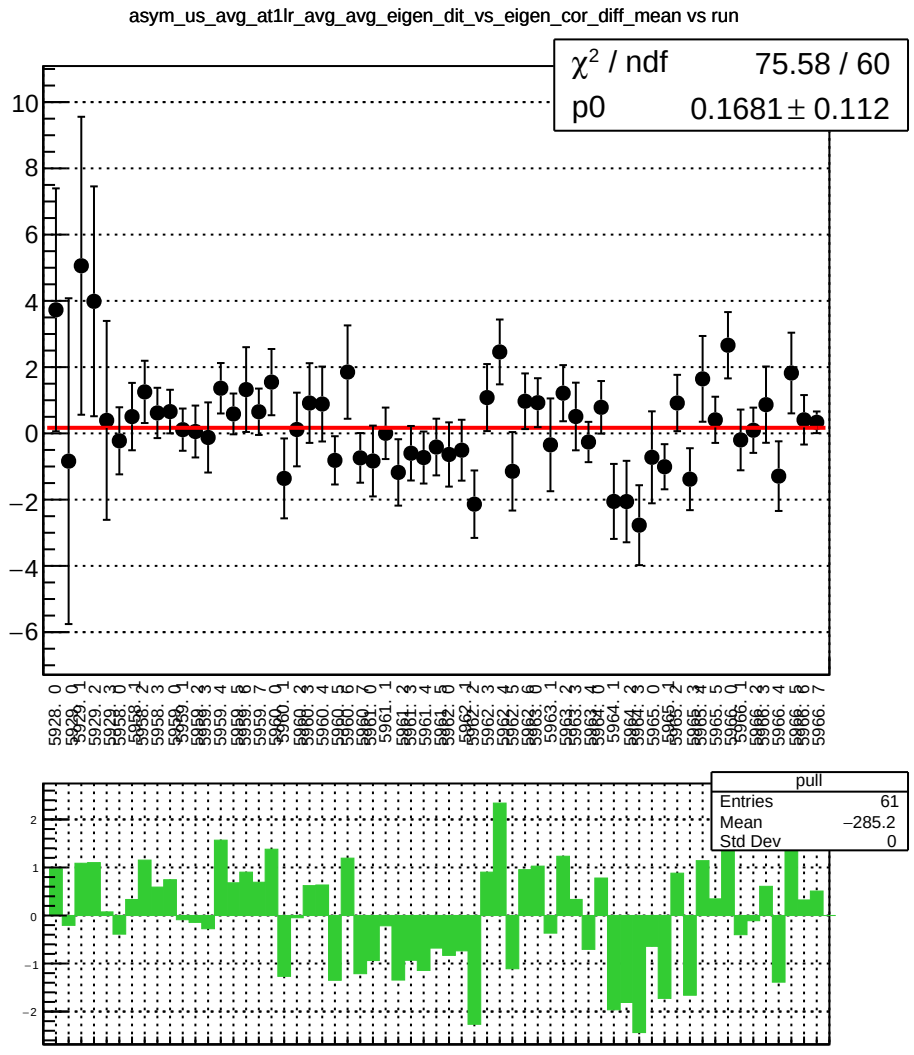

pull1D
Entries 61
Mean 0.007803
Std Dev 1.088

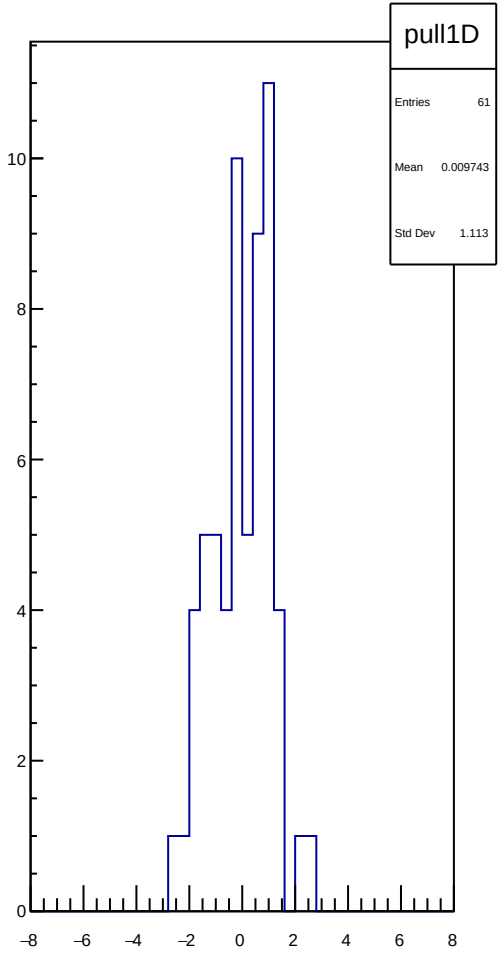

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6577 / 60
p0 0.009363 ± 8.597e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

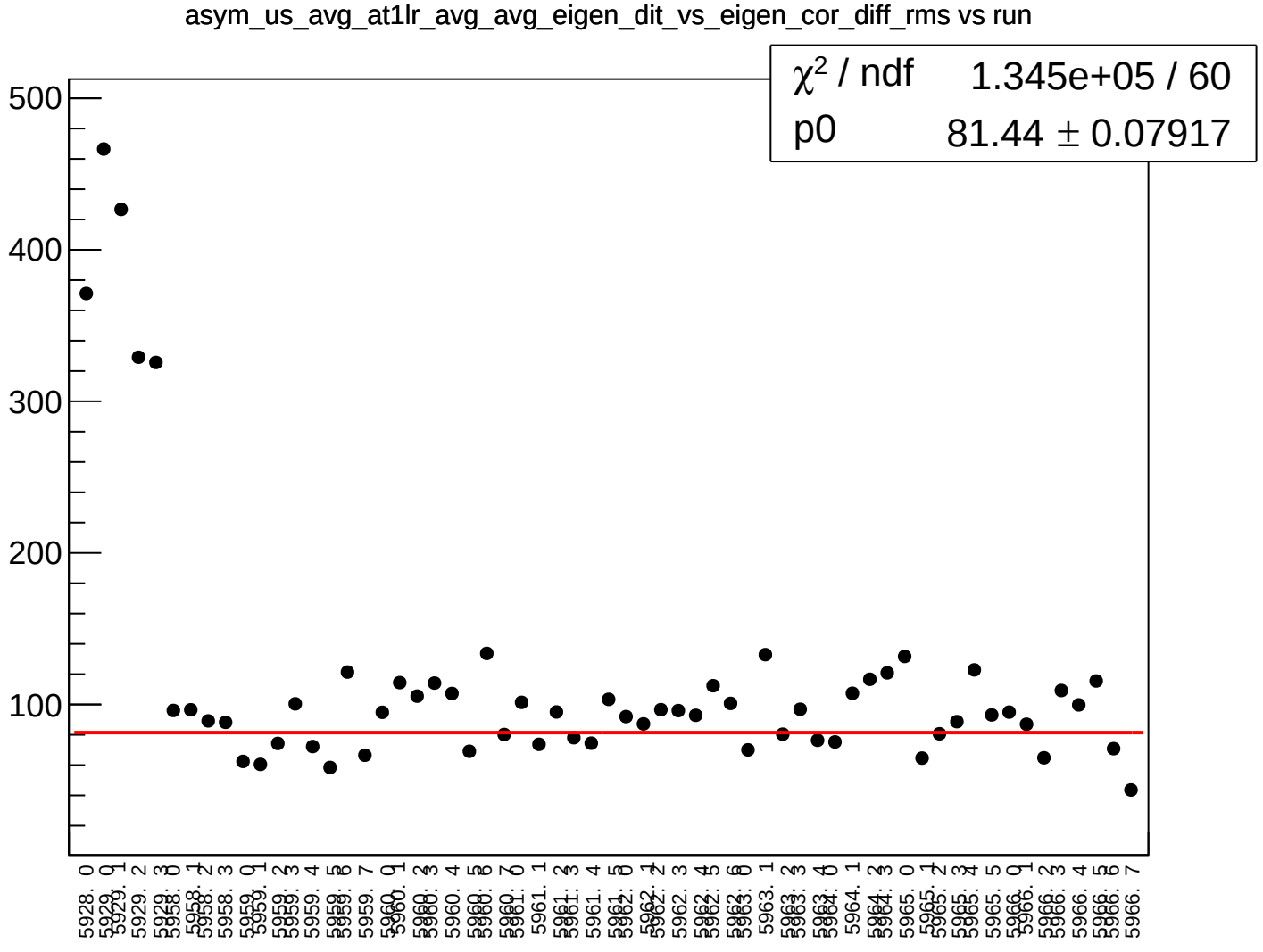

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.58 / 60
p0 0.1681 ± 0.112
pull
Entries 61
Mean −285.2
Std Dev 0

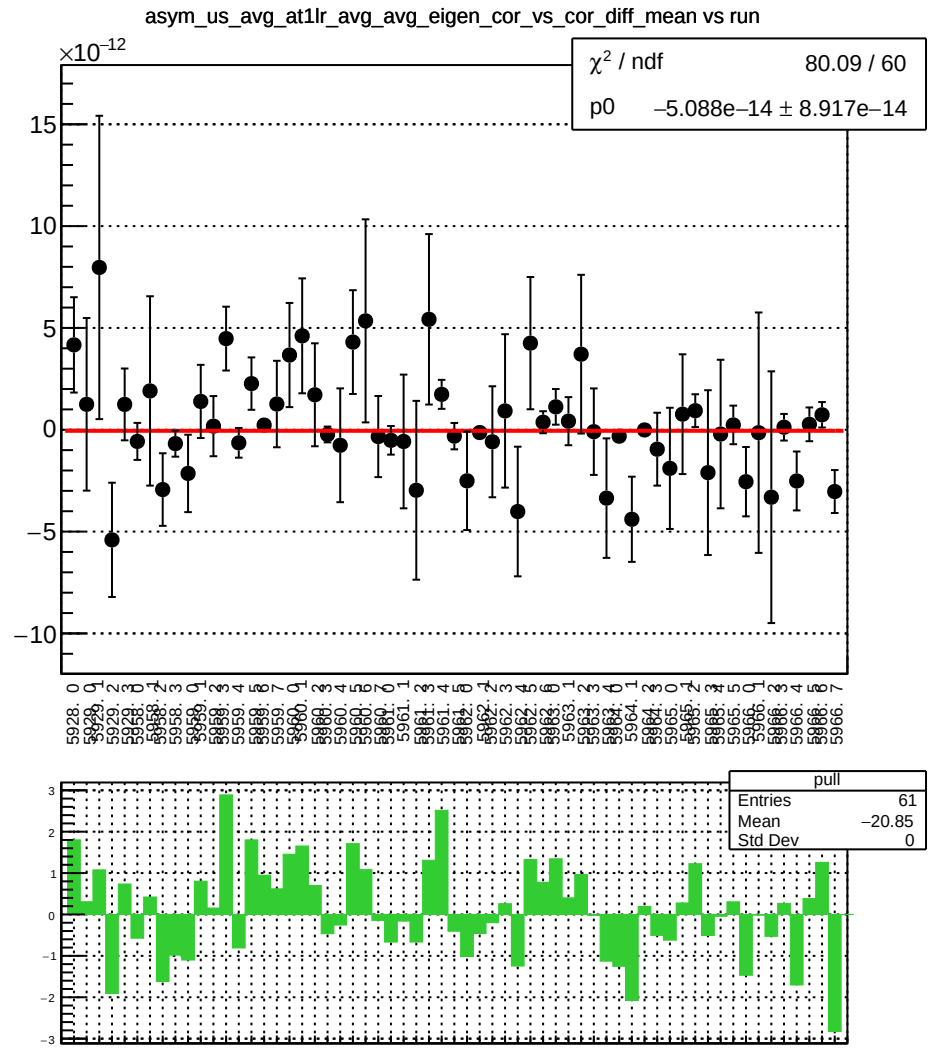

pull1D
Entries 61
Mean 0.009743
Std Dev 1.113

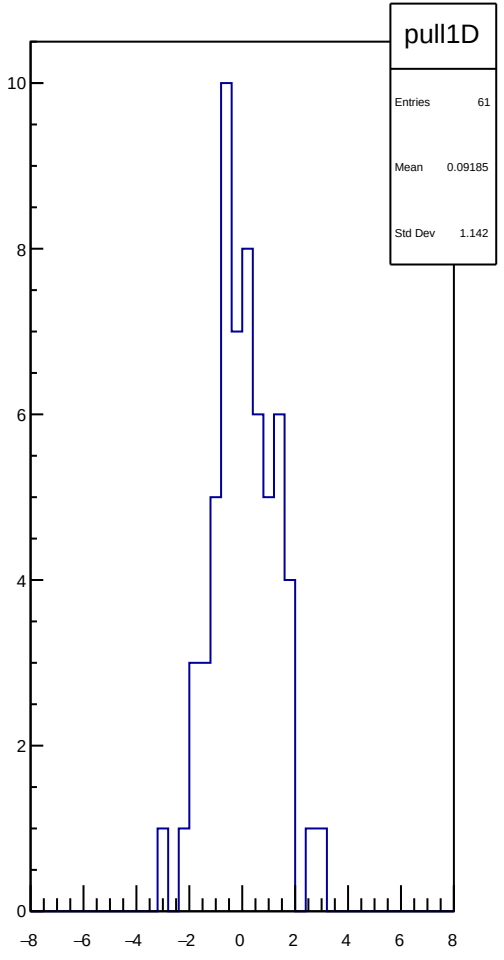

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 60
p0 81.44 ± 0.07917
500
400
300
200
100

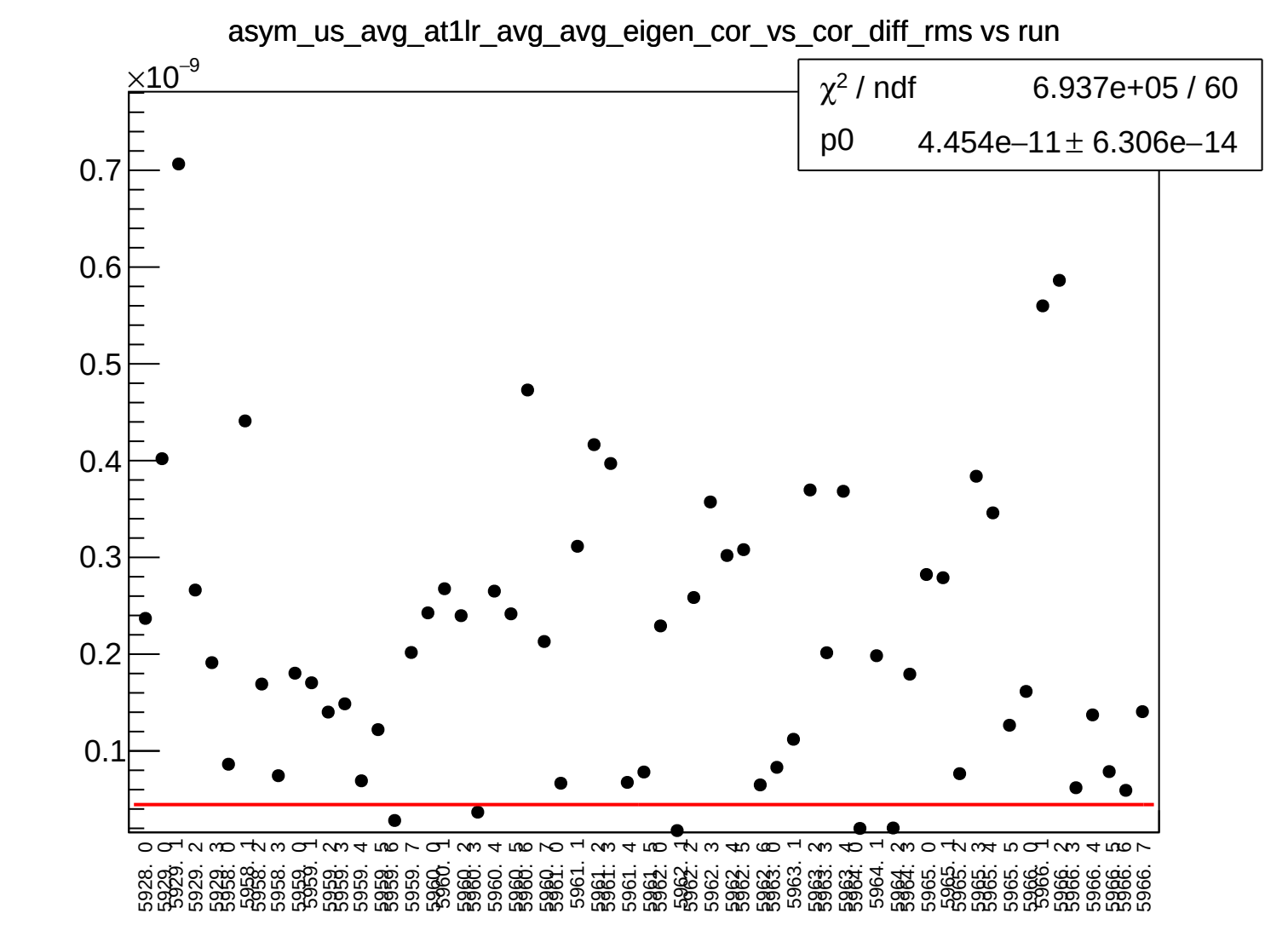

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.58 / 60
p0 0.1681 ± 0.112
pull
Entries 61
Mean −285.2
Std Dev 0

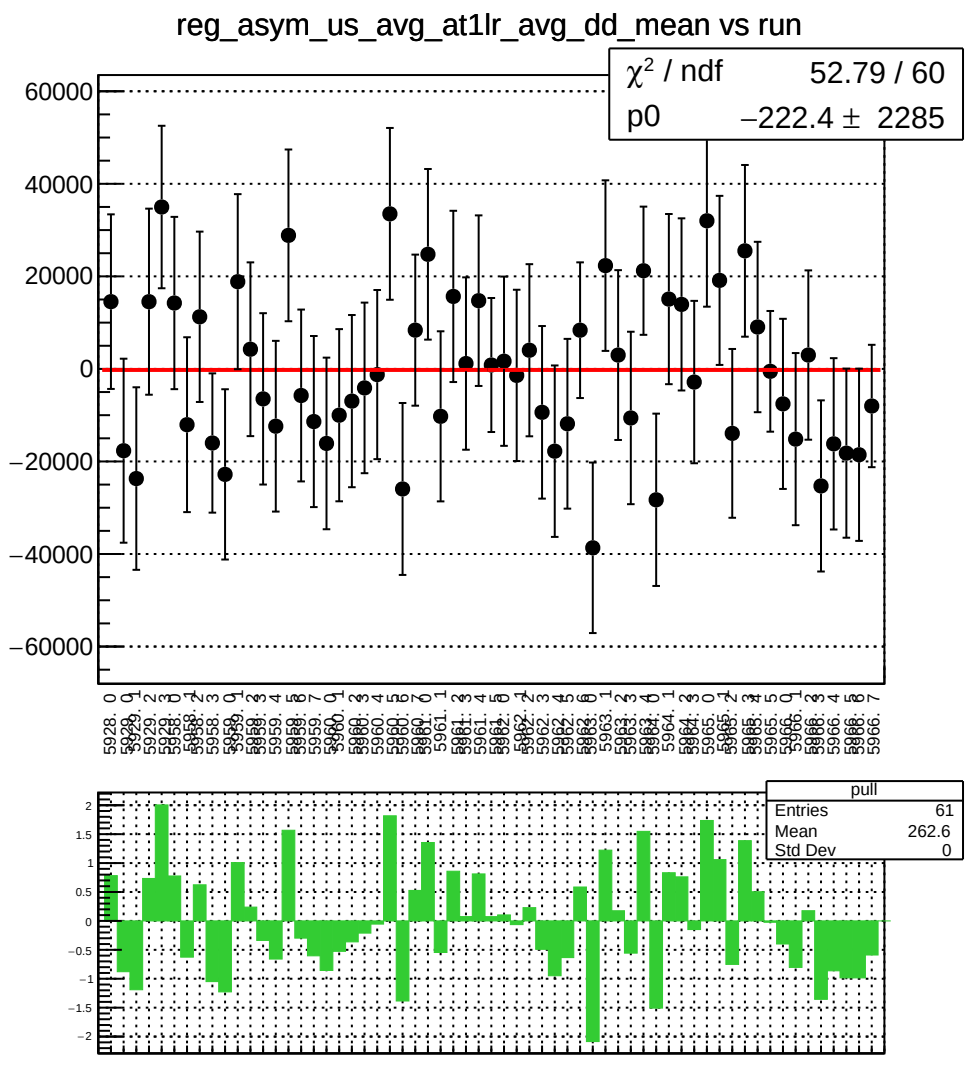

pull1D
Entries 61
Mean 0.009743
Std Dev 1.113

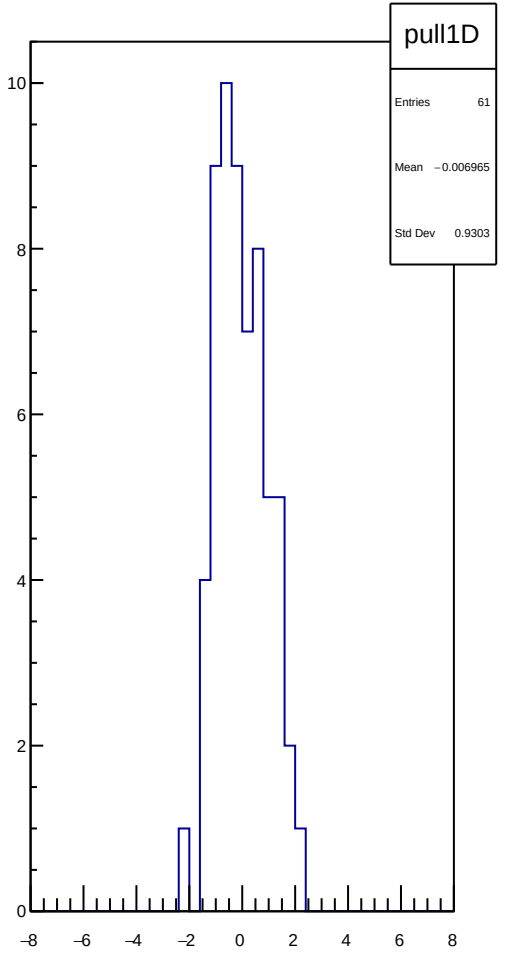

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.345e+05 / 60
p0 81.44 ± 0.07917
500
400
300
200
100

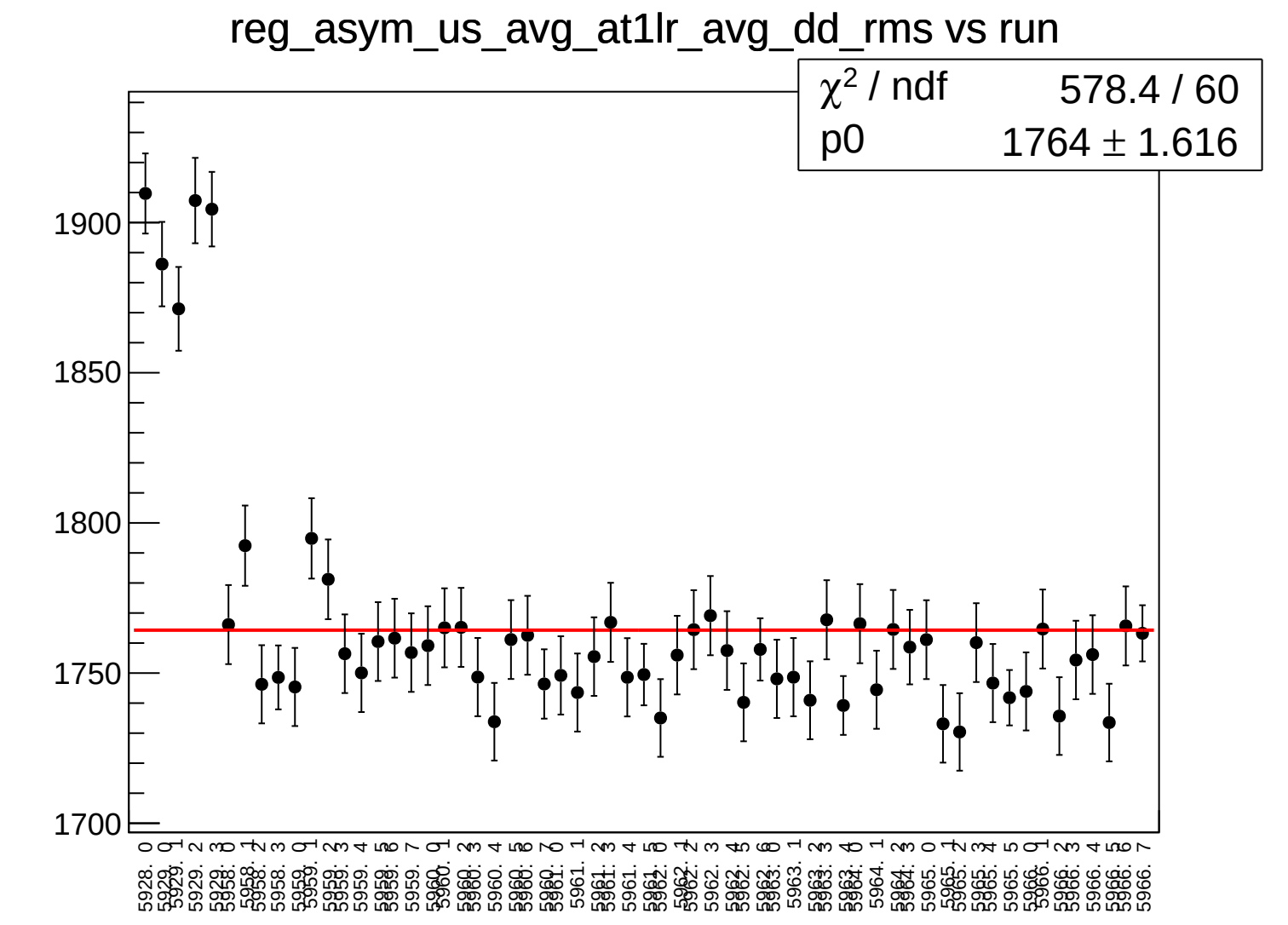

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.09 / 60
p0 −5.088e−14 ± 8.917e−14
pull
Entries 61
Mean −20.85
Std Dev 0

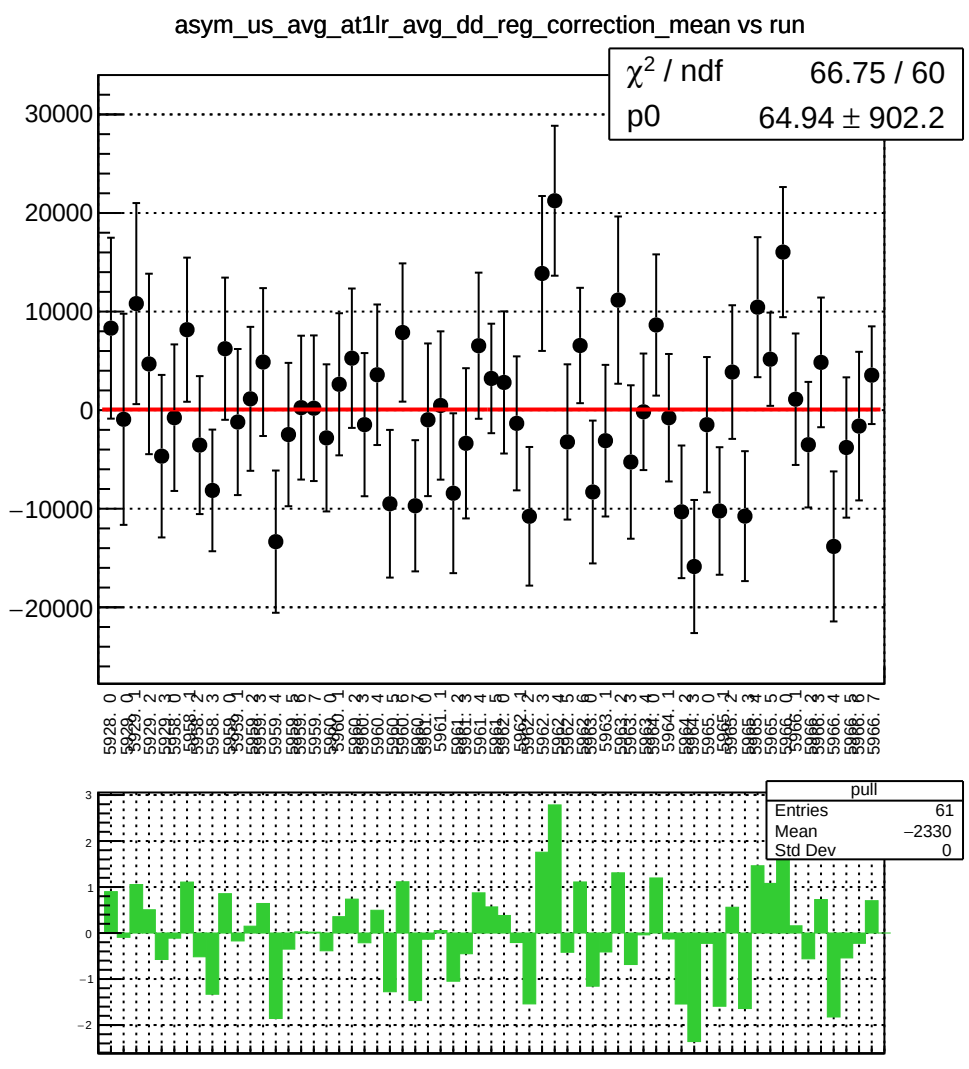

pull1D
Entries 61
Mean 0.09185
Std Dev 1.142

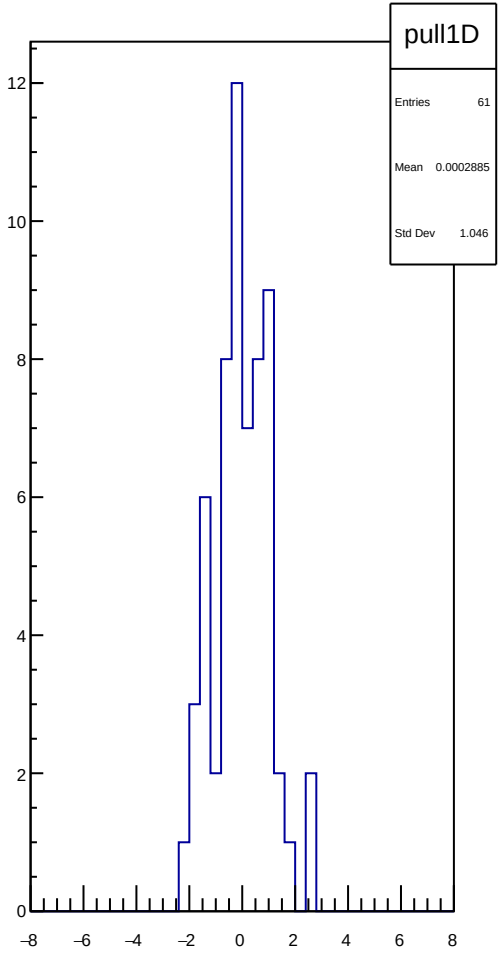

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.937e+05 / 60
p0 4.454e−11 ± 6.306e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

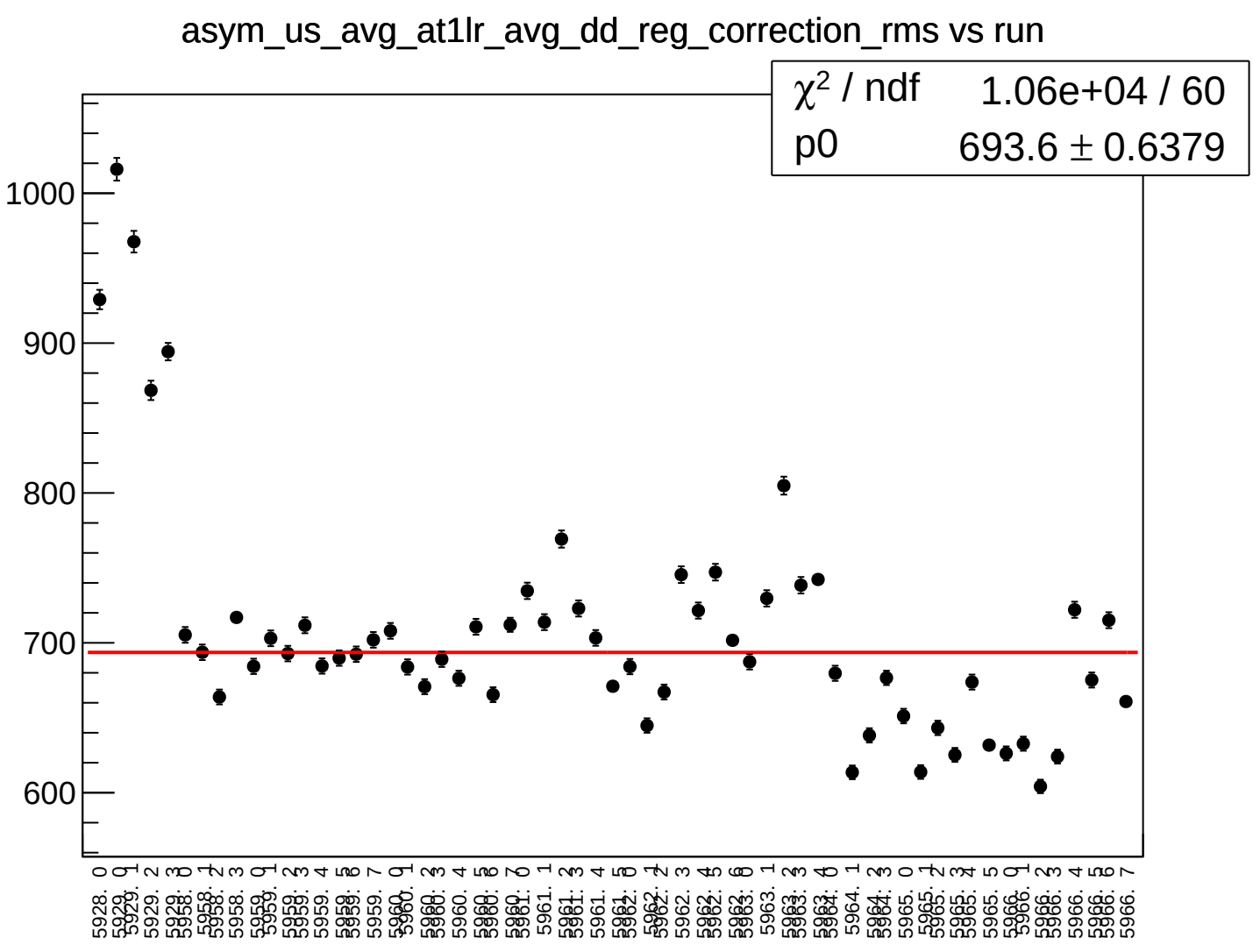

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.79 / 60
p0 −222.4 ± 2285
pull
Entries 61
Mean 262.6
Std Dev 0

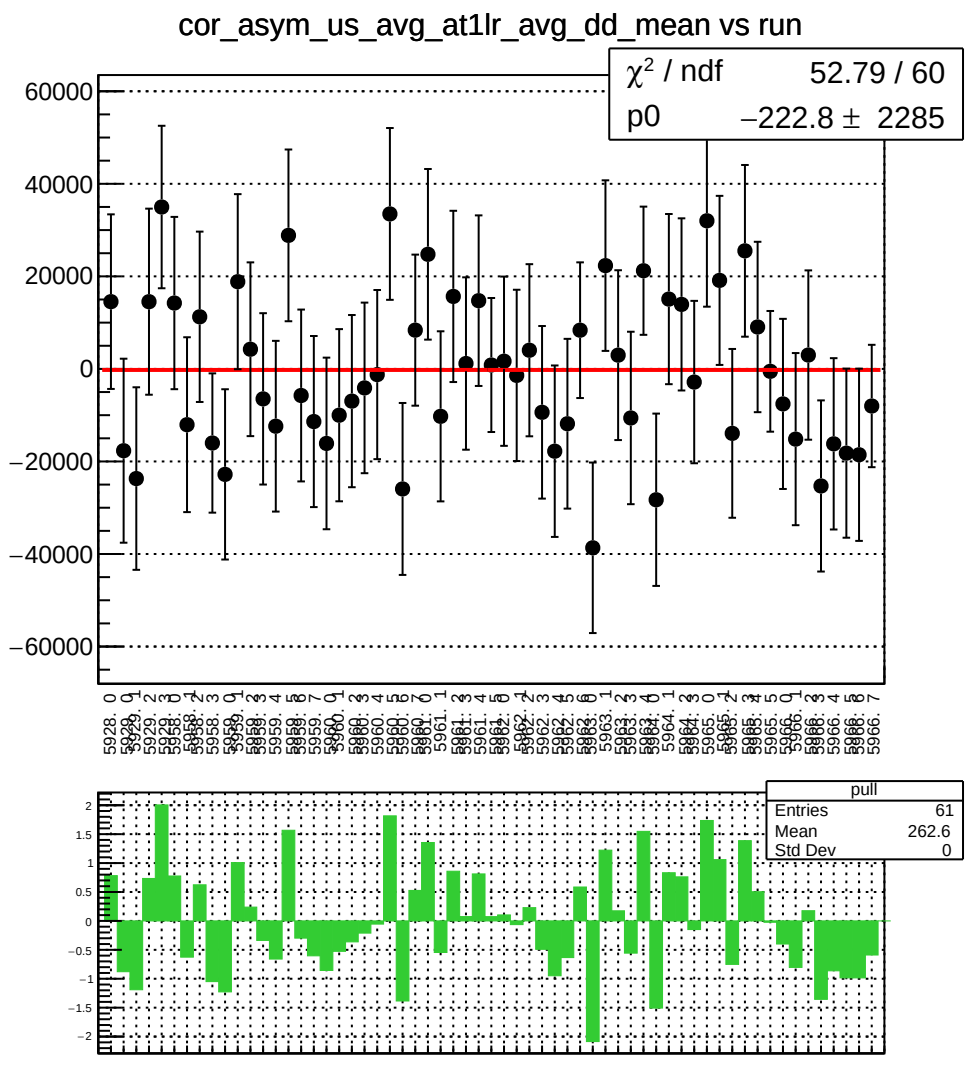

pull1D
Entries 61
Mean −0.006965
Std Dev 0.9303

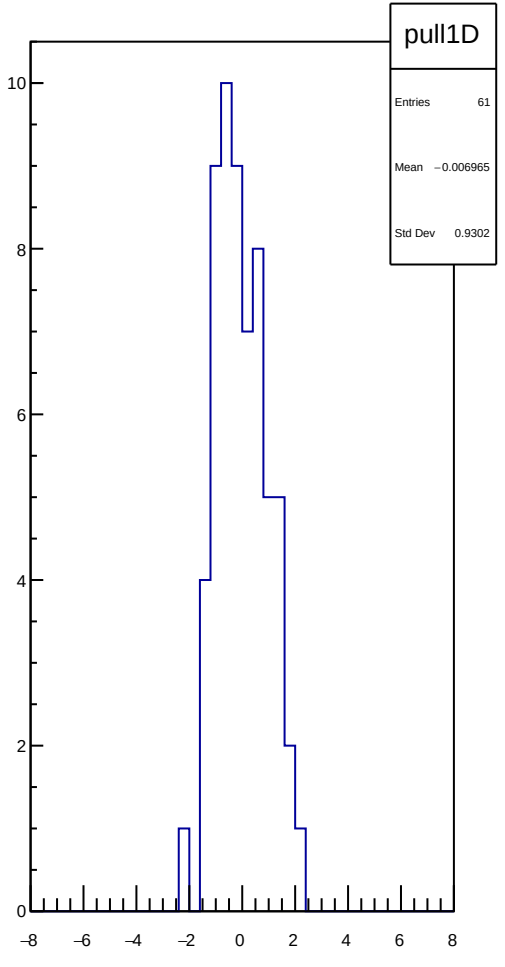

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 578.4 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

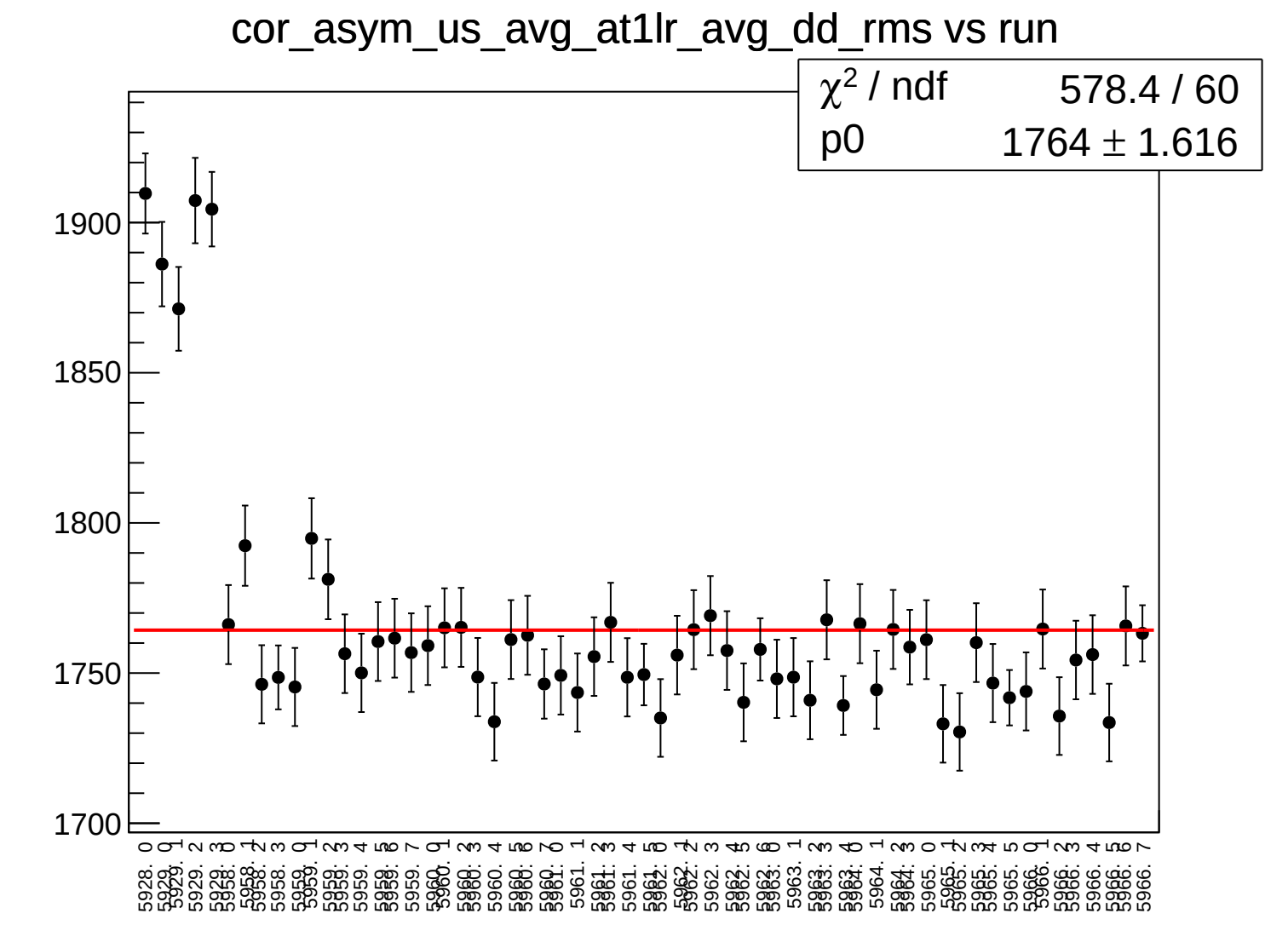

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 66.75 / 60
p0 64.94 ± 902.2
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −2330
Std Dev 0
3
2
1
0
−1
−2

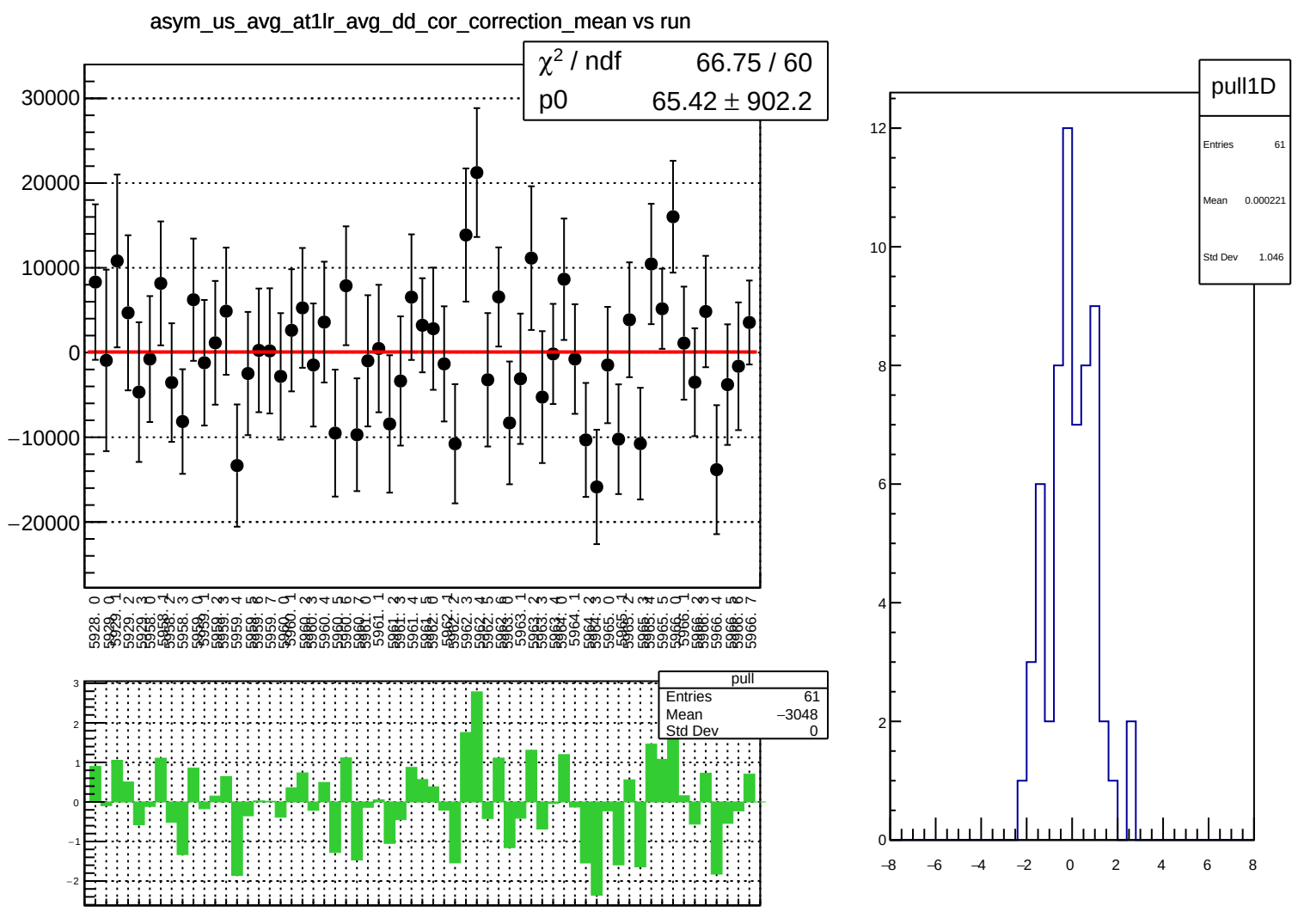

pull1D
Entries 61
Mean 0.0002885
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

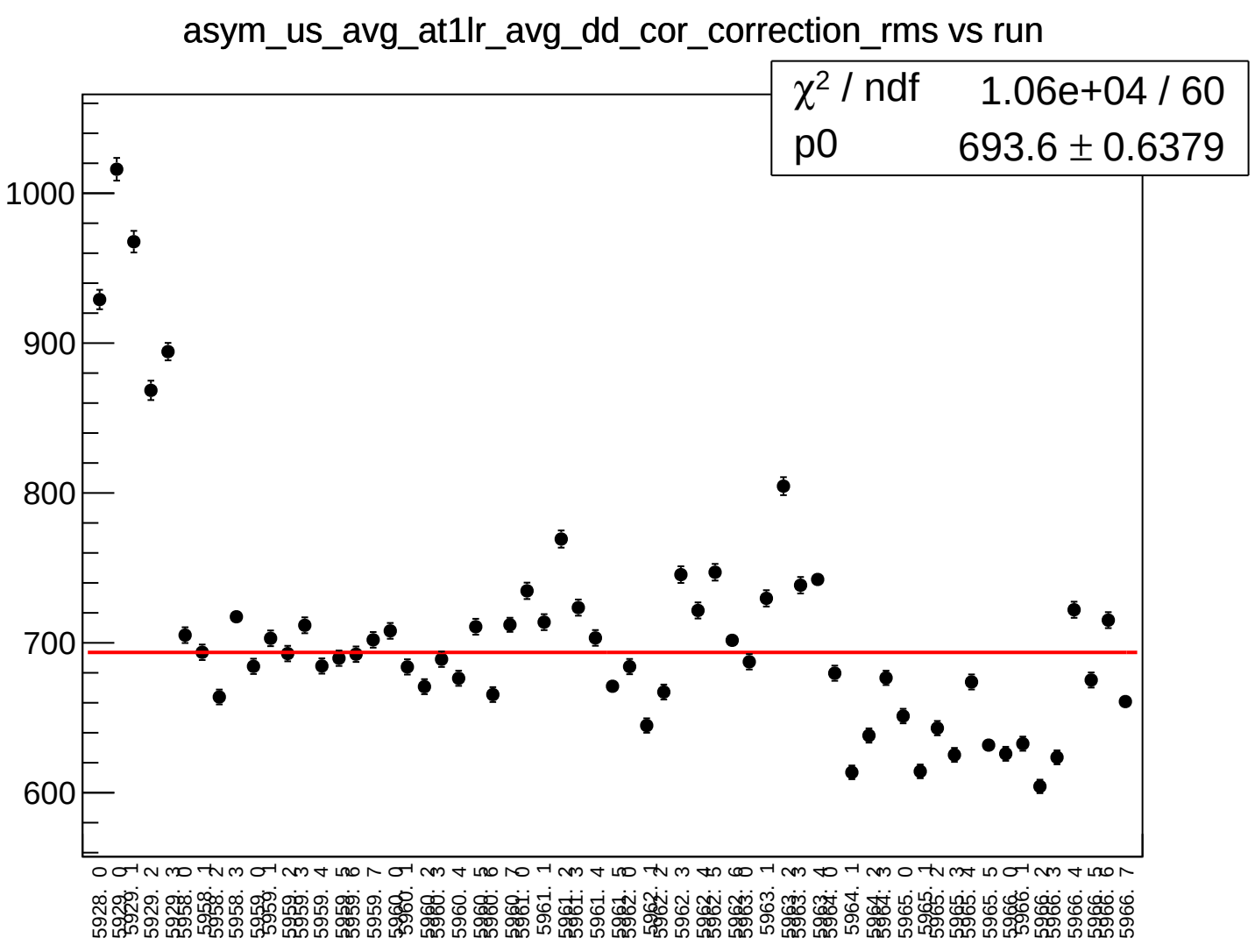

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 693.6 ± 0.6379
1000
900
800
700
600

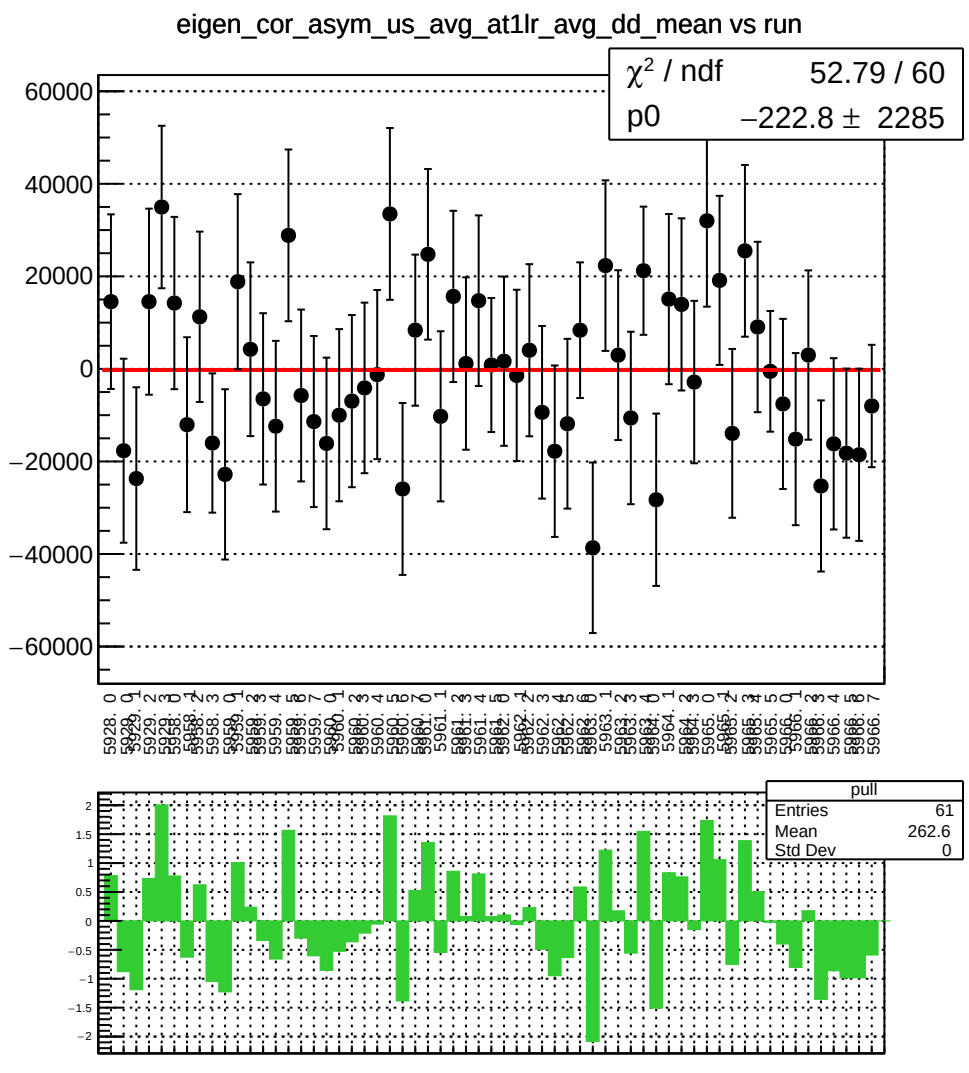

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.79 / 60
p0 −222.8 ± 2285
pull
Entries 61
Mean 262.6
Std Dev 0

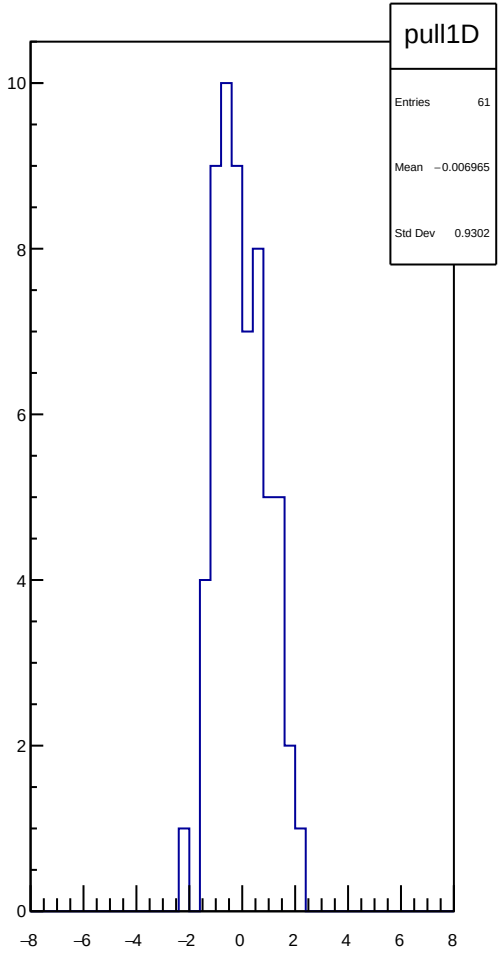

pull1D
Entries 61
Mean −0.006965
Std Dev 0.9302

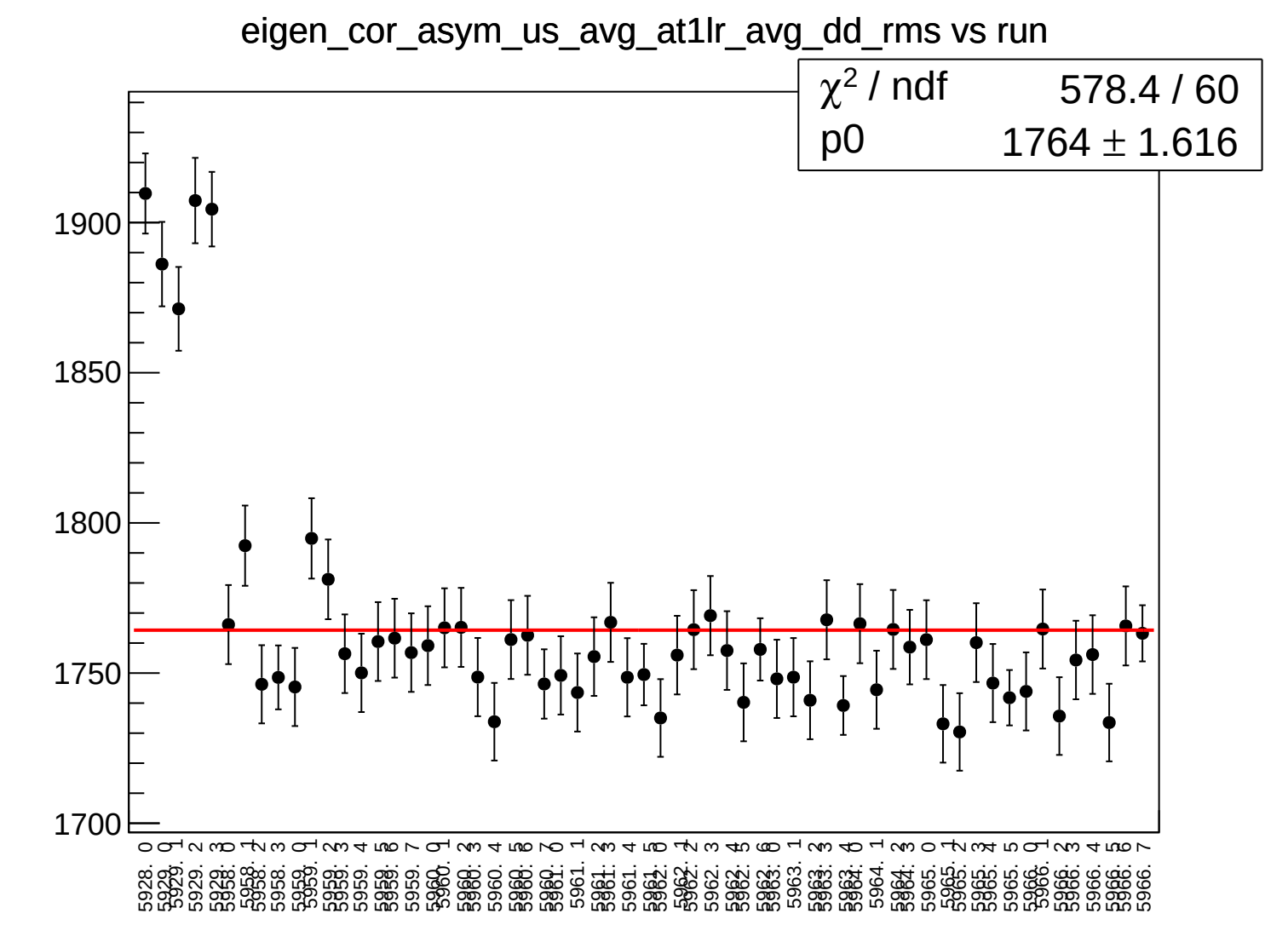

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 578.4 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

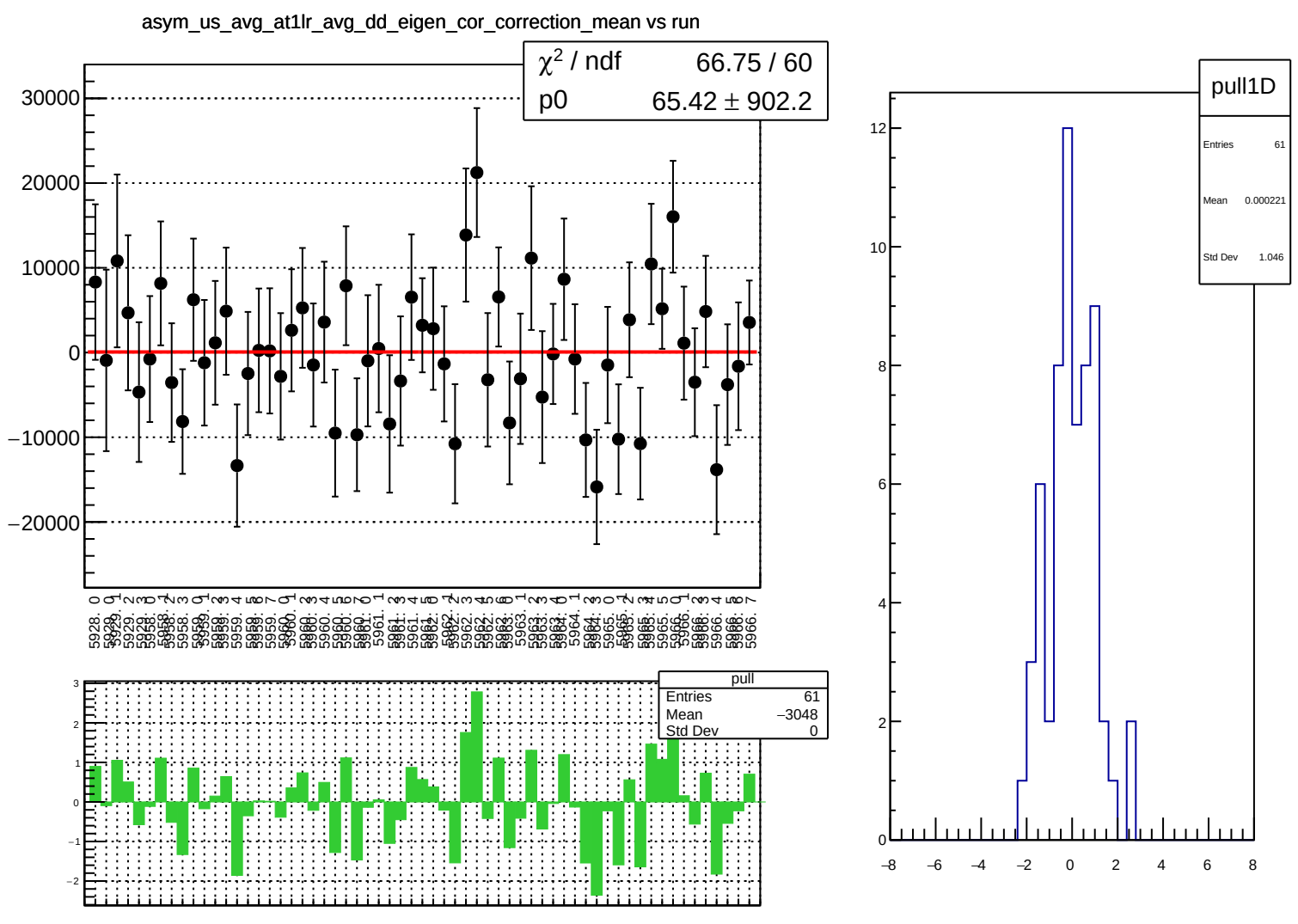

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 66.75 / 60
p0 65.42 ± 902.2
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −3048
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.000221
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

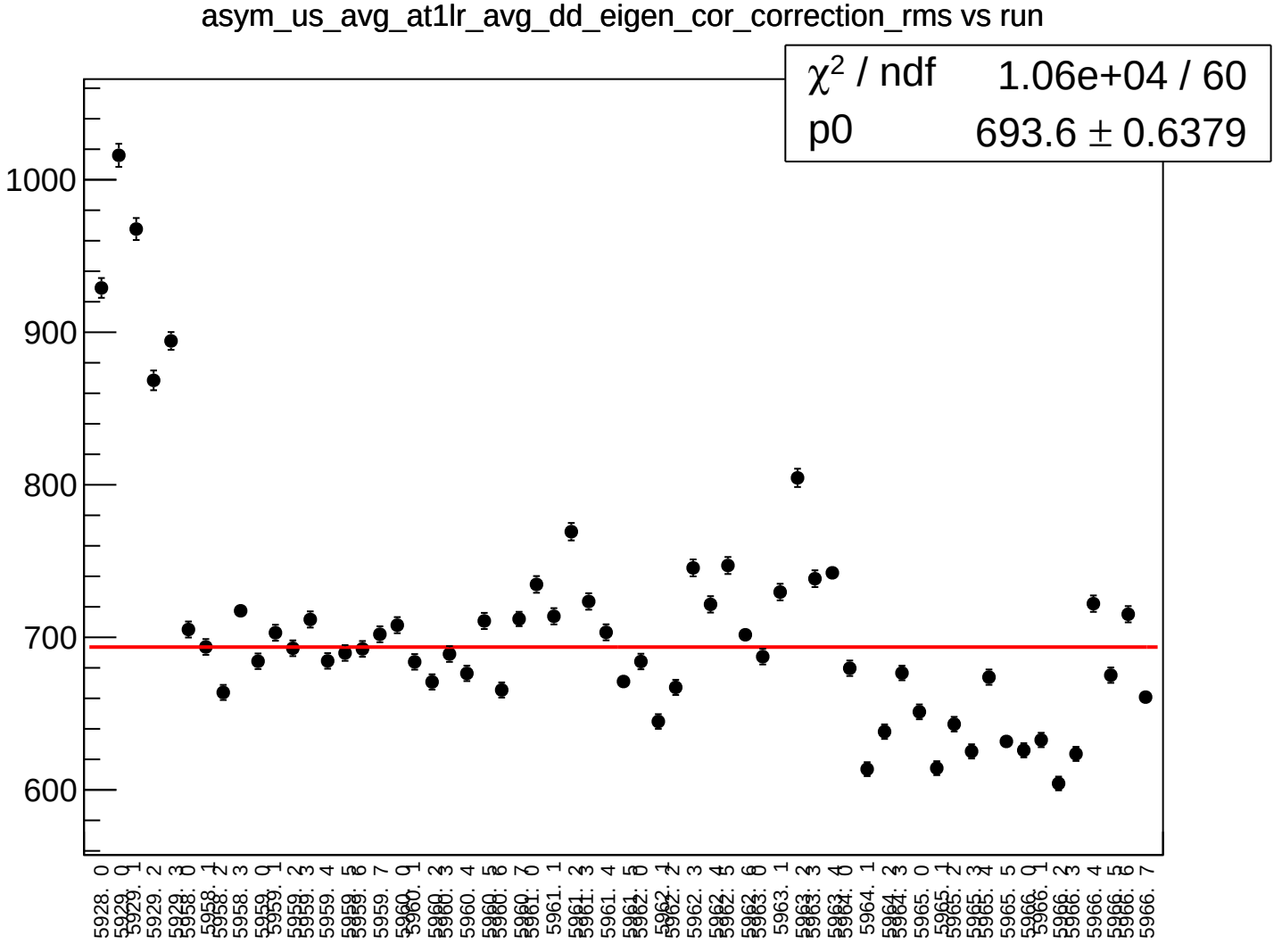

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 693.6 ± 0.6379
1000
900
800
700
600

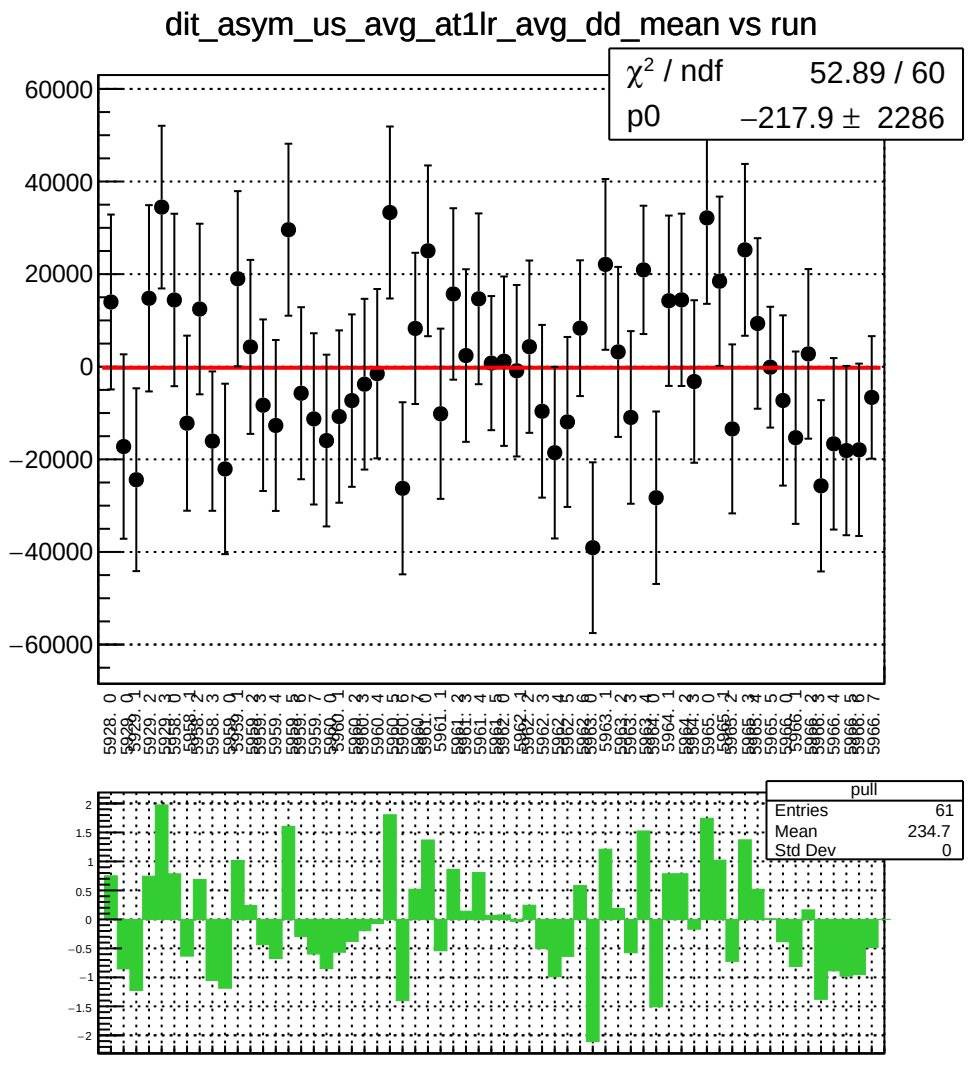

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.79 / 60
p0 −222.8 ± 2285
pull
Entries 61
Mean 262.6
Std Dev 0

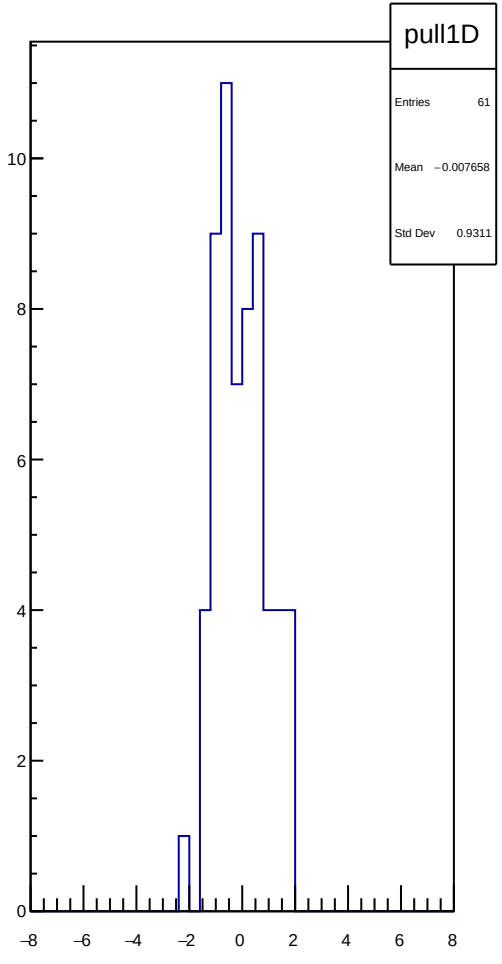

pull1D
Entries 61
Mean −0.006965
Std Dev 0.9302

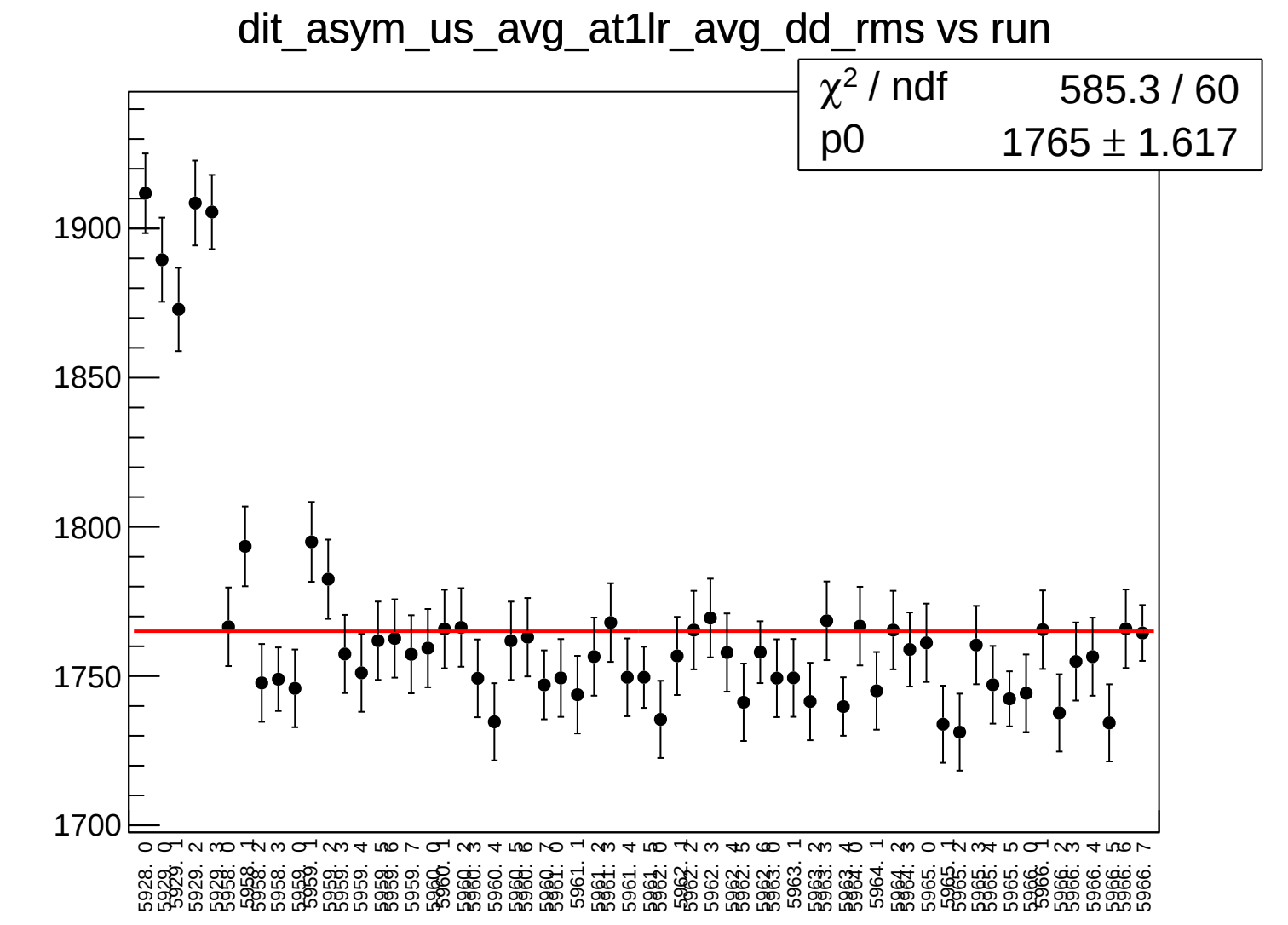

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 578.4 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

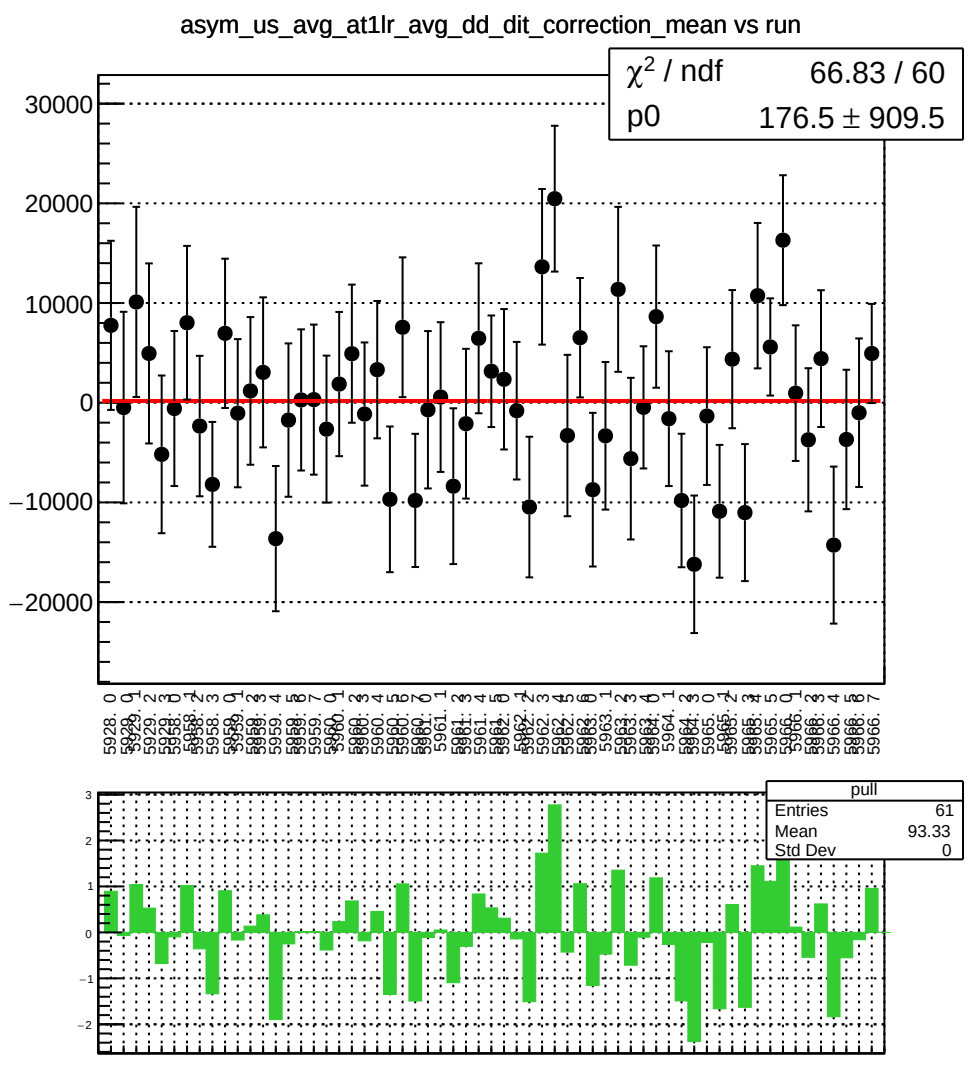

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.75 / 60
p0 65.42 ± 902.2
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean −3048
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.000221
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

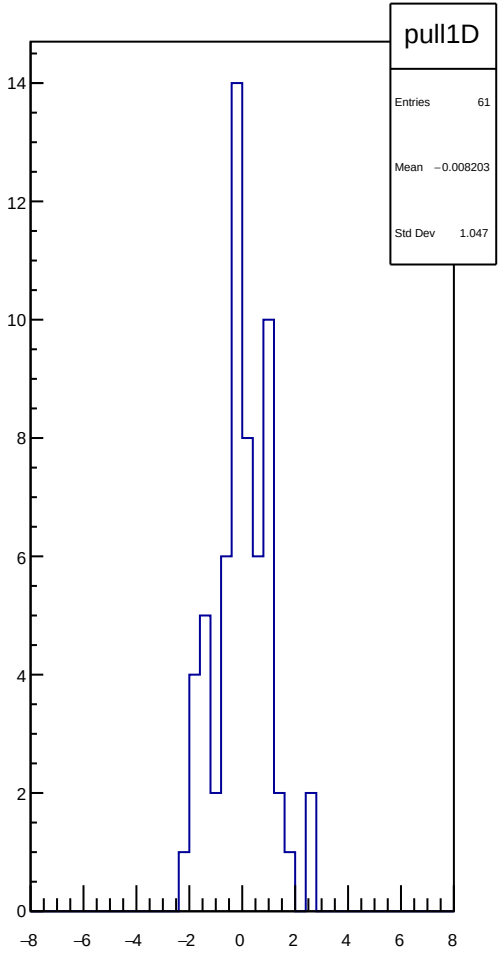

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.06e+04 / 60
p0 693.6 ± 0.6379
1000
900
800
700
600

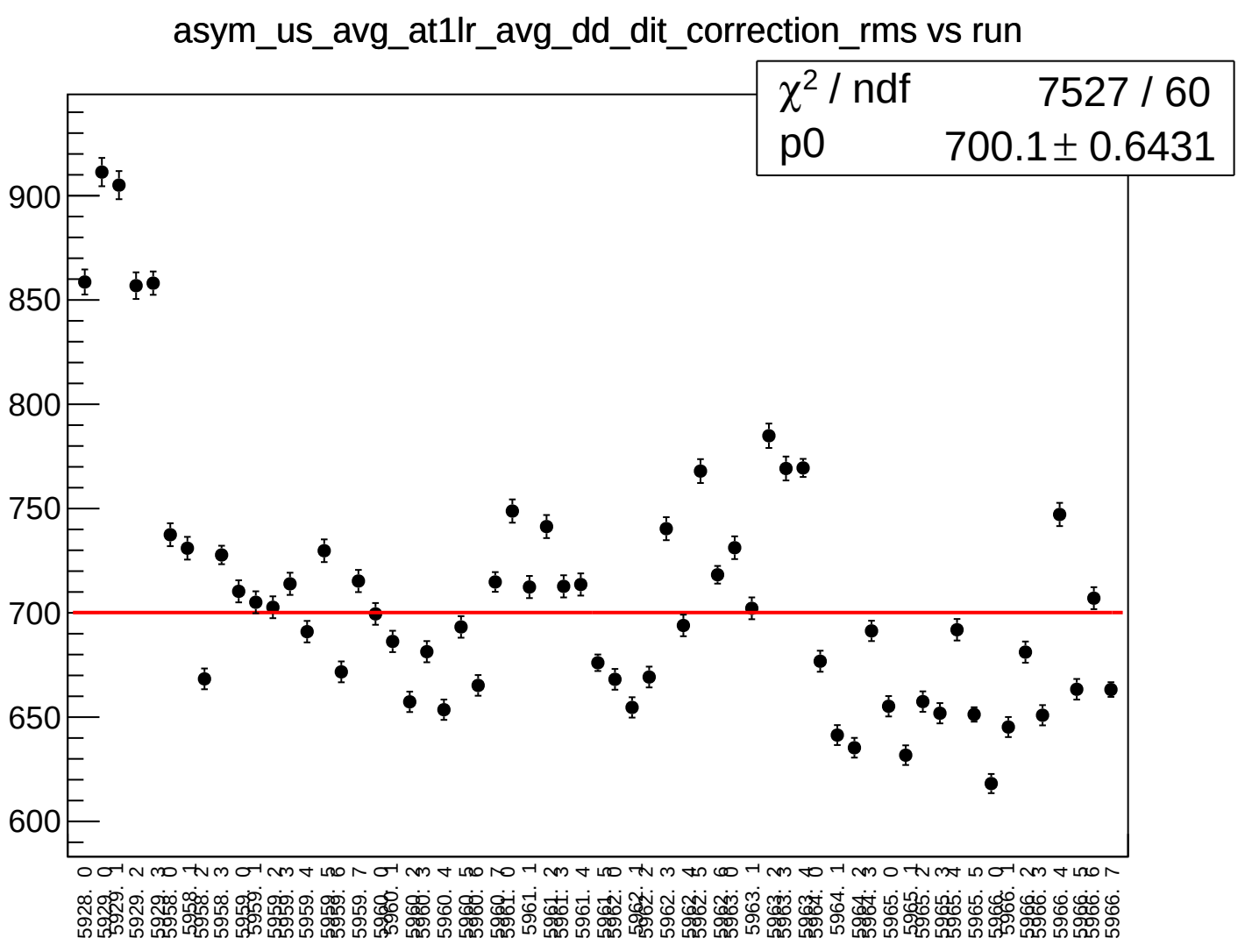

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.89 / 60
p0 −217.9 ± 2286
pull
Entries 61
Mean 234.7
Std Dev 0

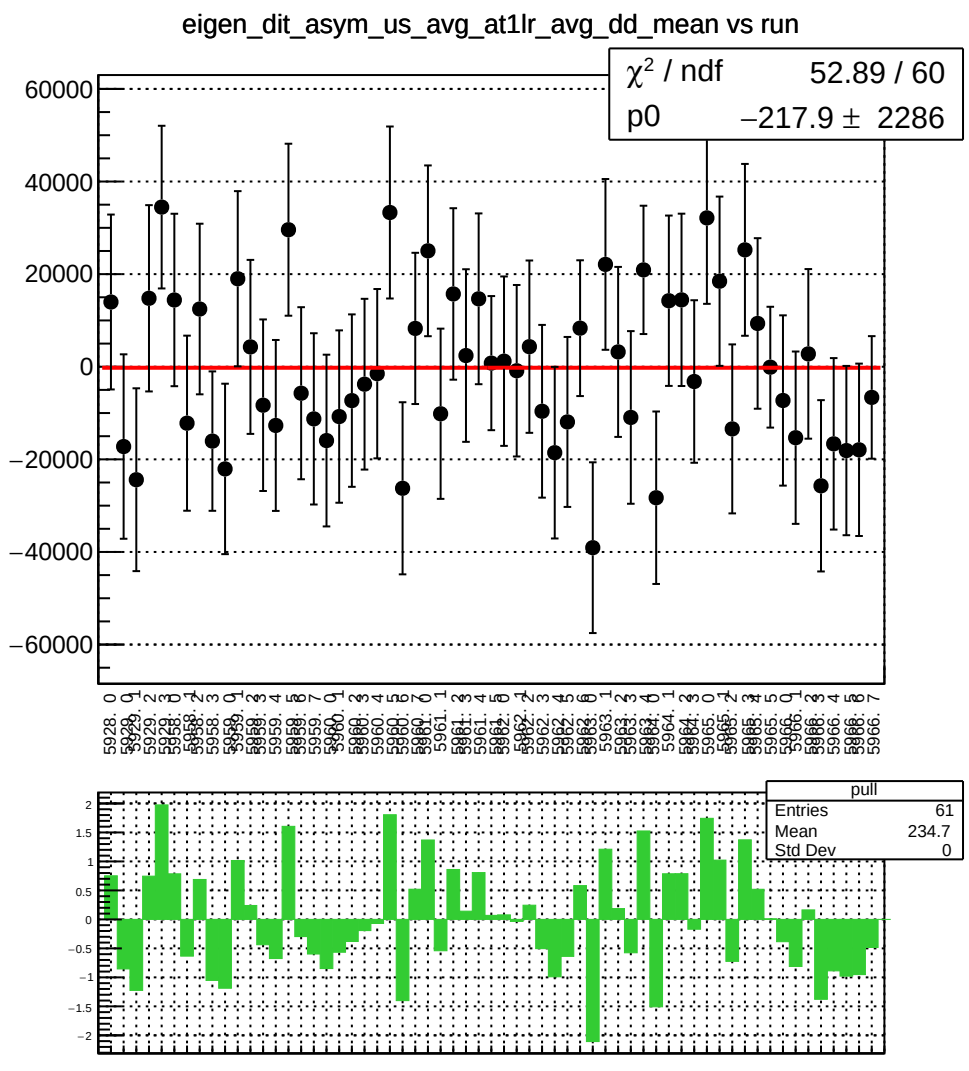

pull1D
Entries 61
Mean −0.007658
Std Dev 0.9311

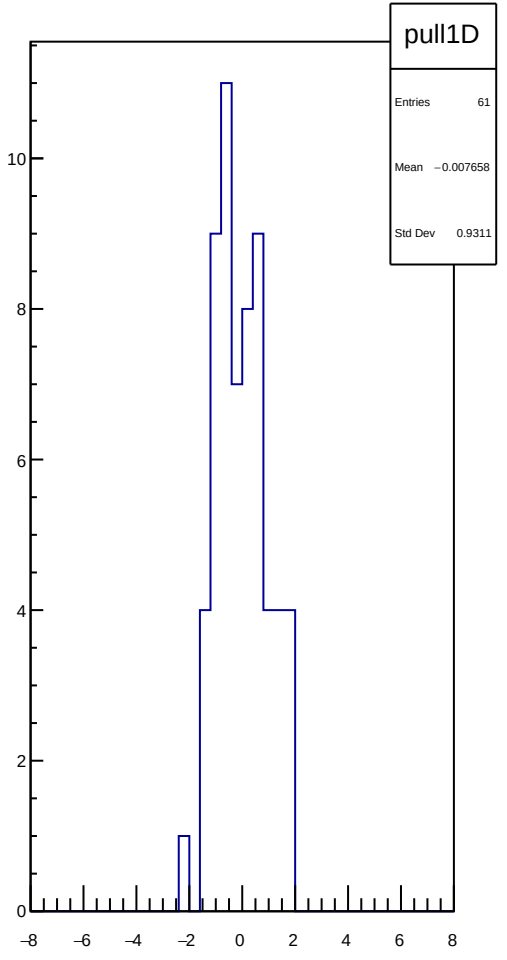

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 585.3 / 60
p0 1765 ± 1.617
1900
1850
1800
1750
1700

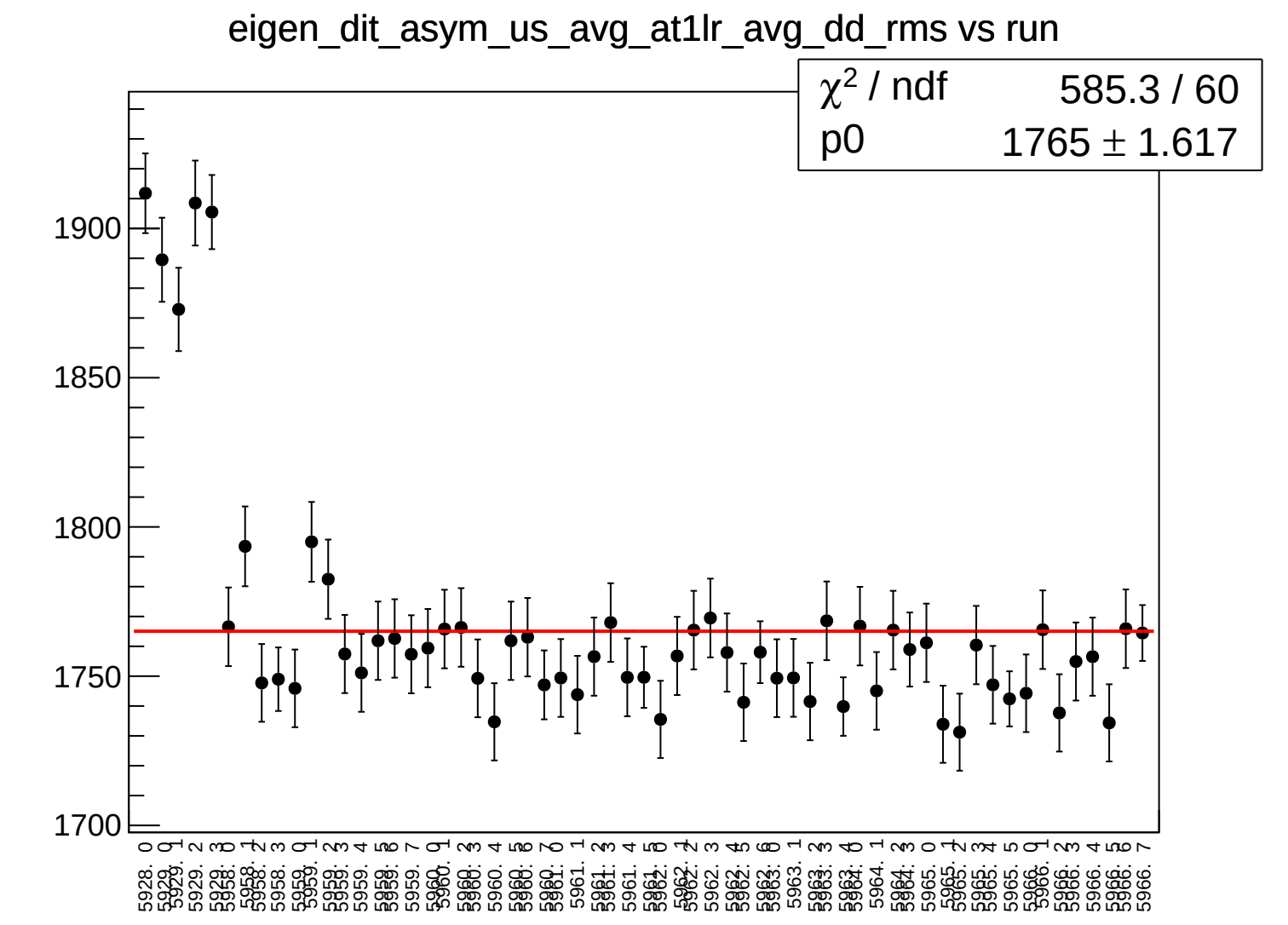

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 66.83 / 60
p0 176.5 ± 909.5
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 93.33
Std Dev 0
3
2
1
0
−1
−2

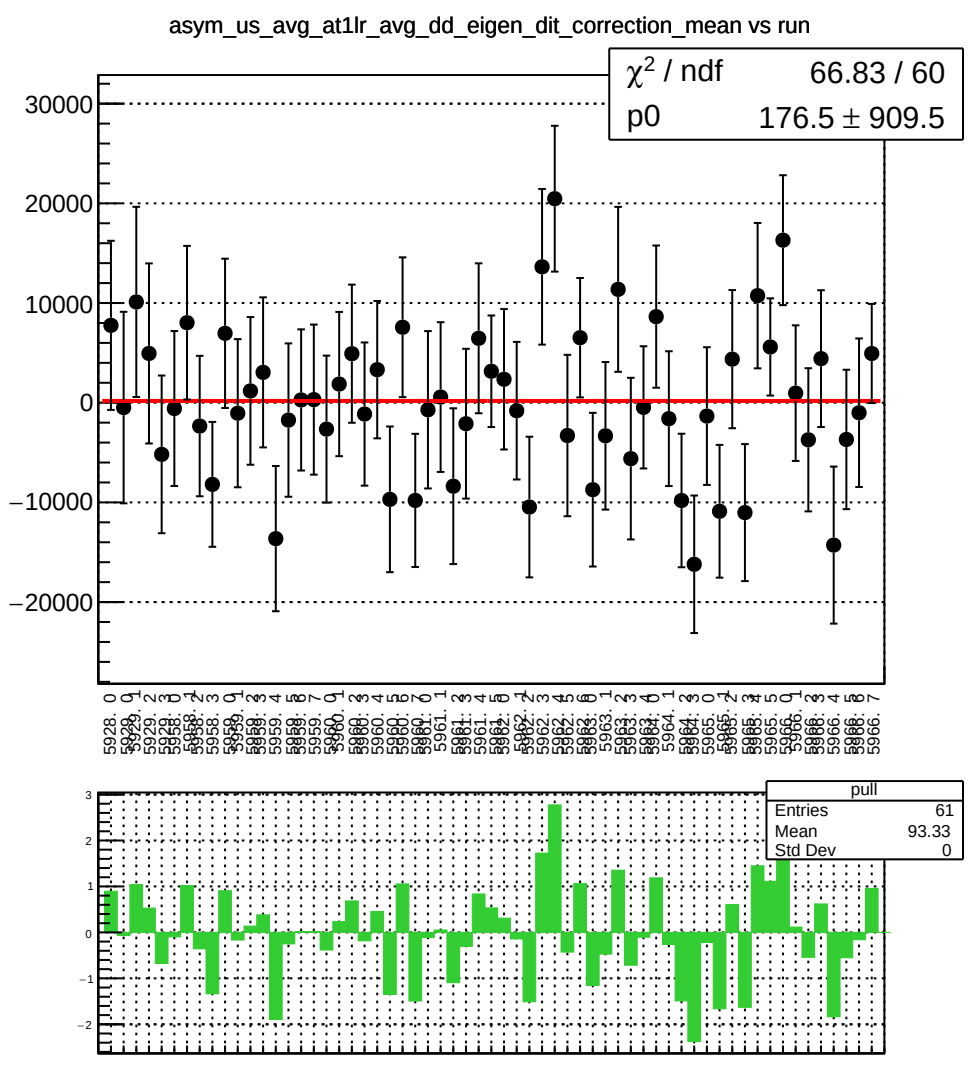

pull1D
Entries 61
Mean −0.008203
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

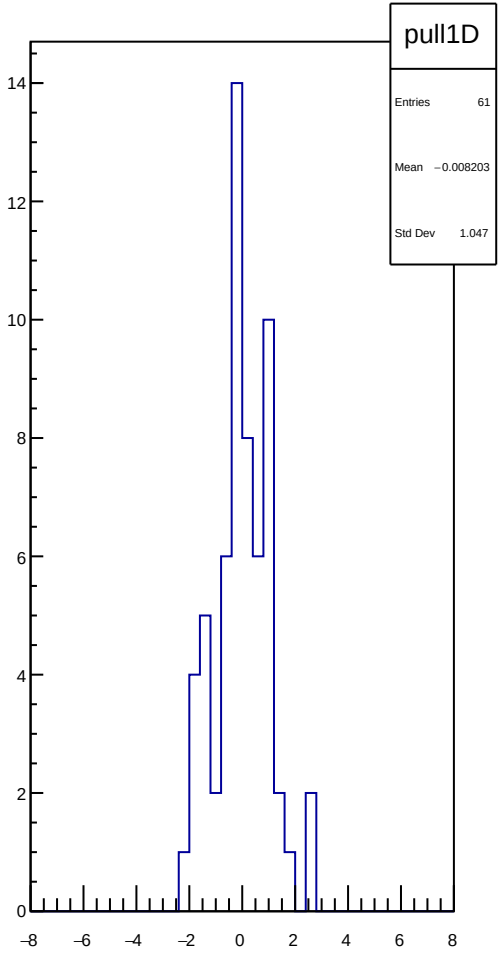

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 7527 / 60
p0 700.1 ± 0.6431
900
850
800
750
700
650
600

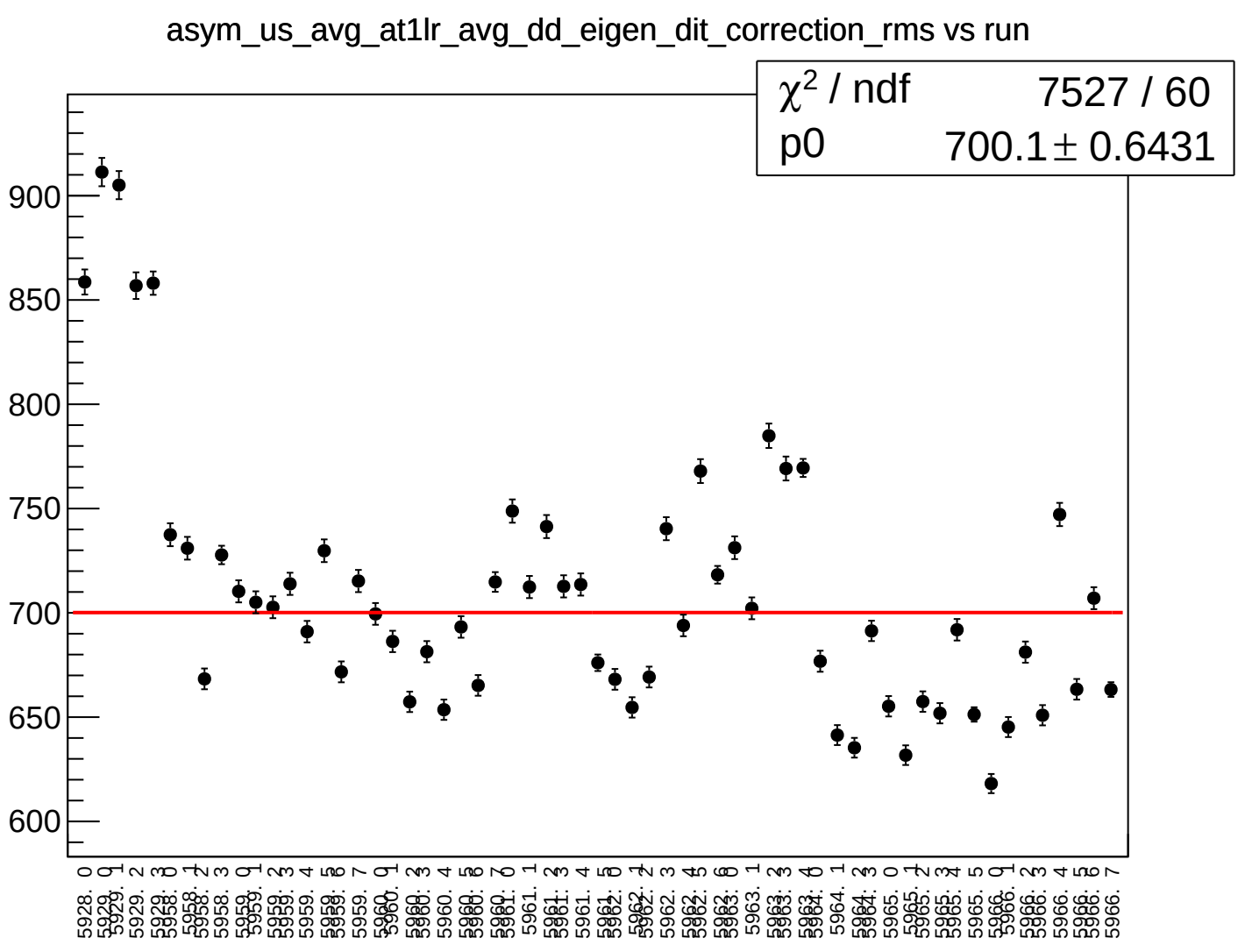

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 52.89 / 60
p0 −217.9 ± 2286
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 234.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

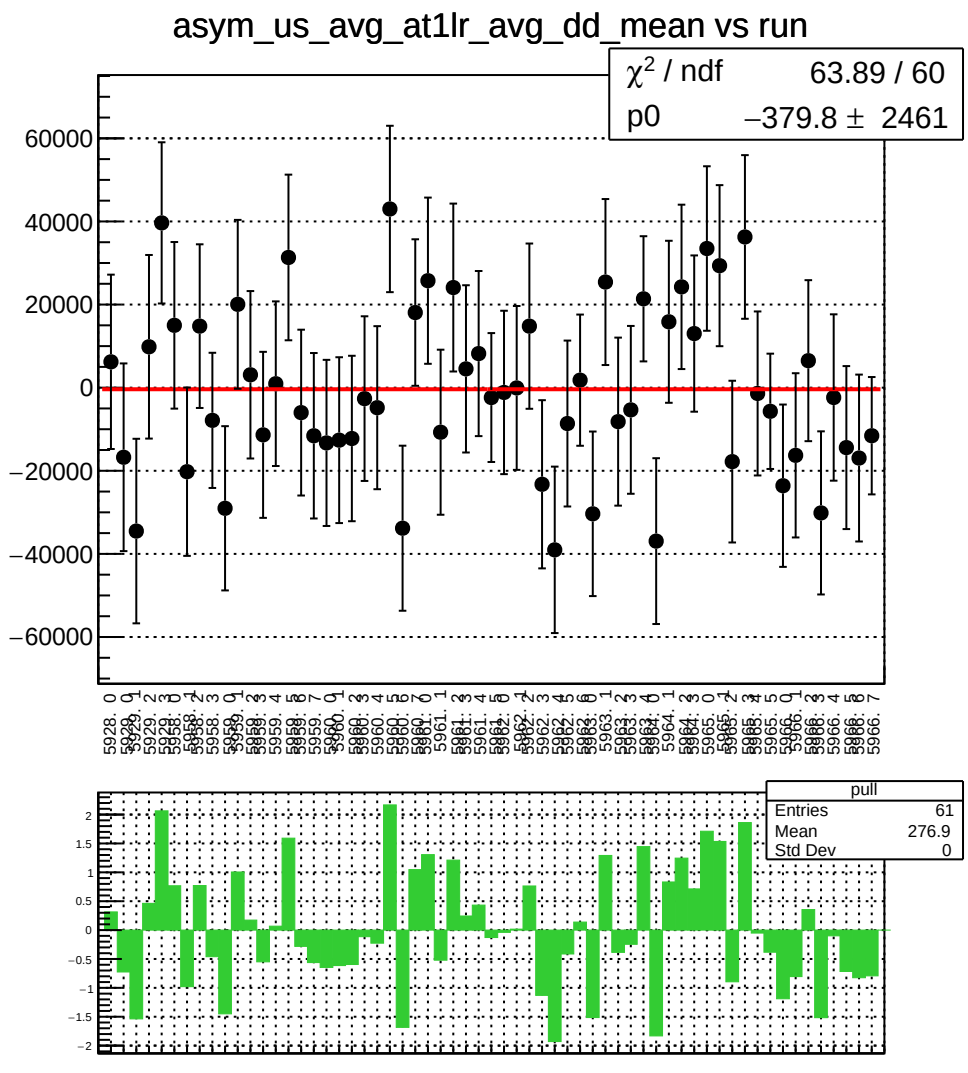

pull1D
Entries 61
Mean −0.007658
Std Dev 0.9311
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

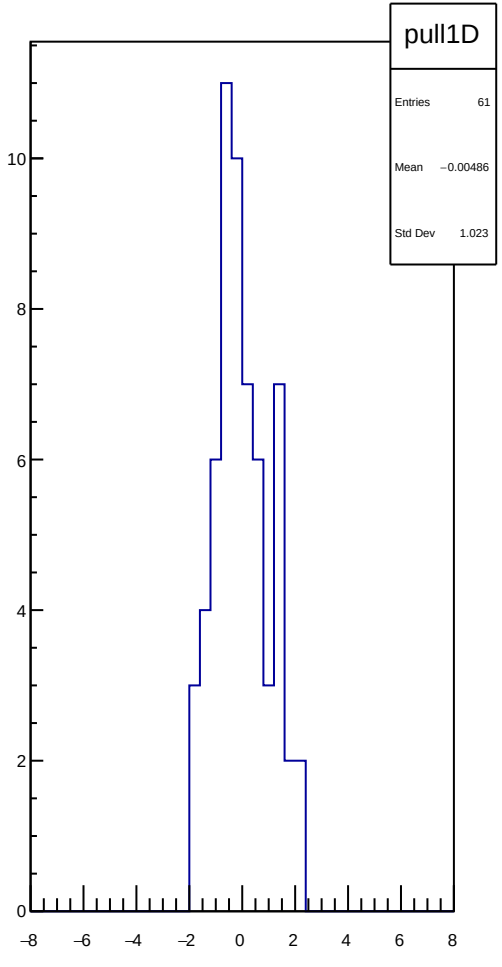

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 585.3 / 60
p0 1765 ± 1.617
1900
1850
1800
1750
1700

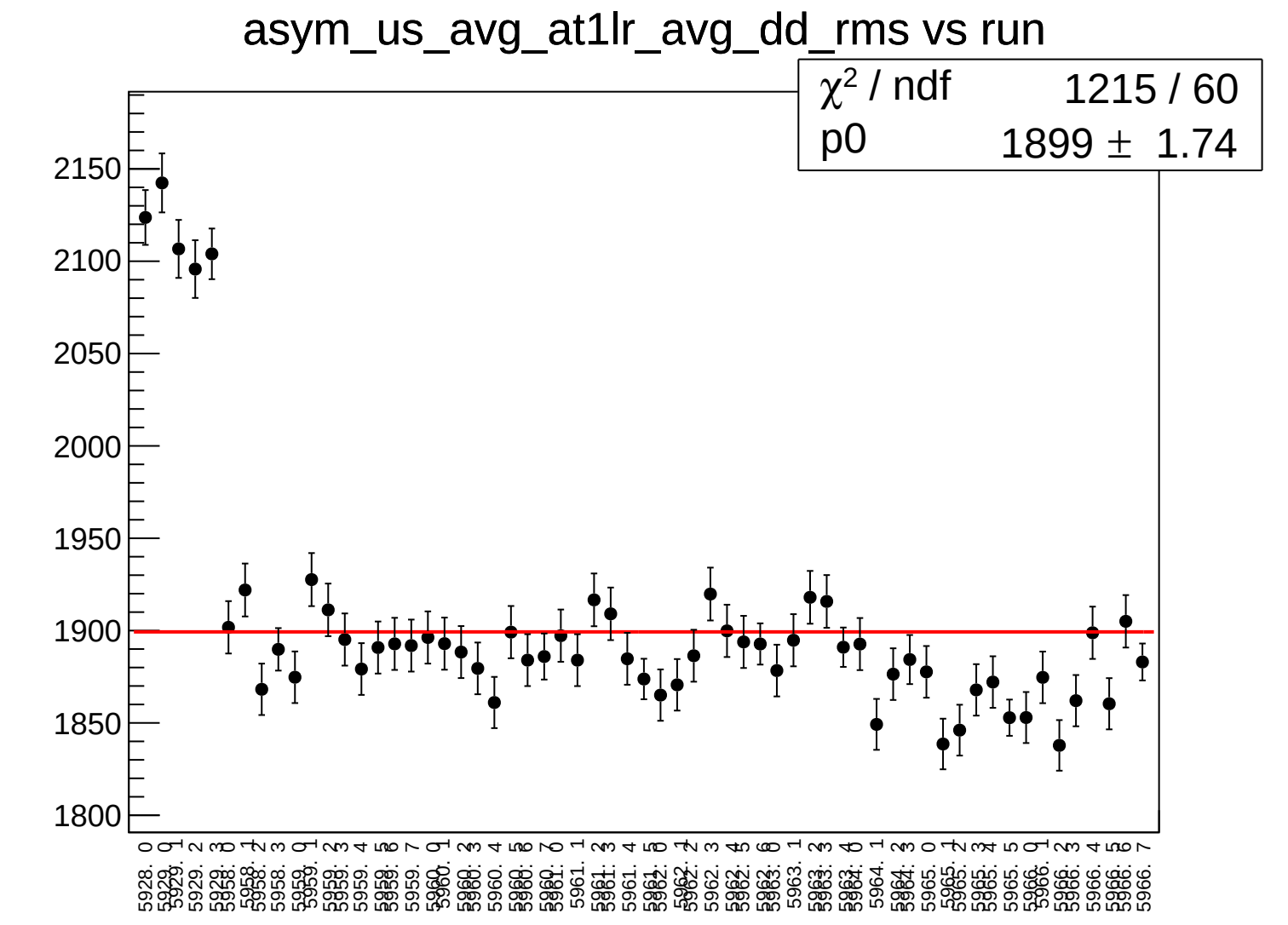

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.83 / 60
p0 176.5 ± 909.5
pull
Entries 61
Mean 93.33
Std Dev 0

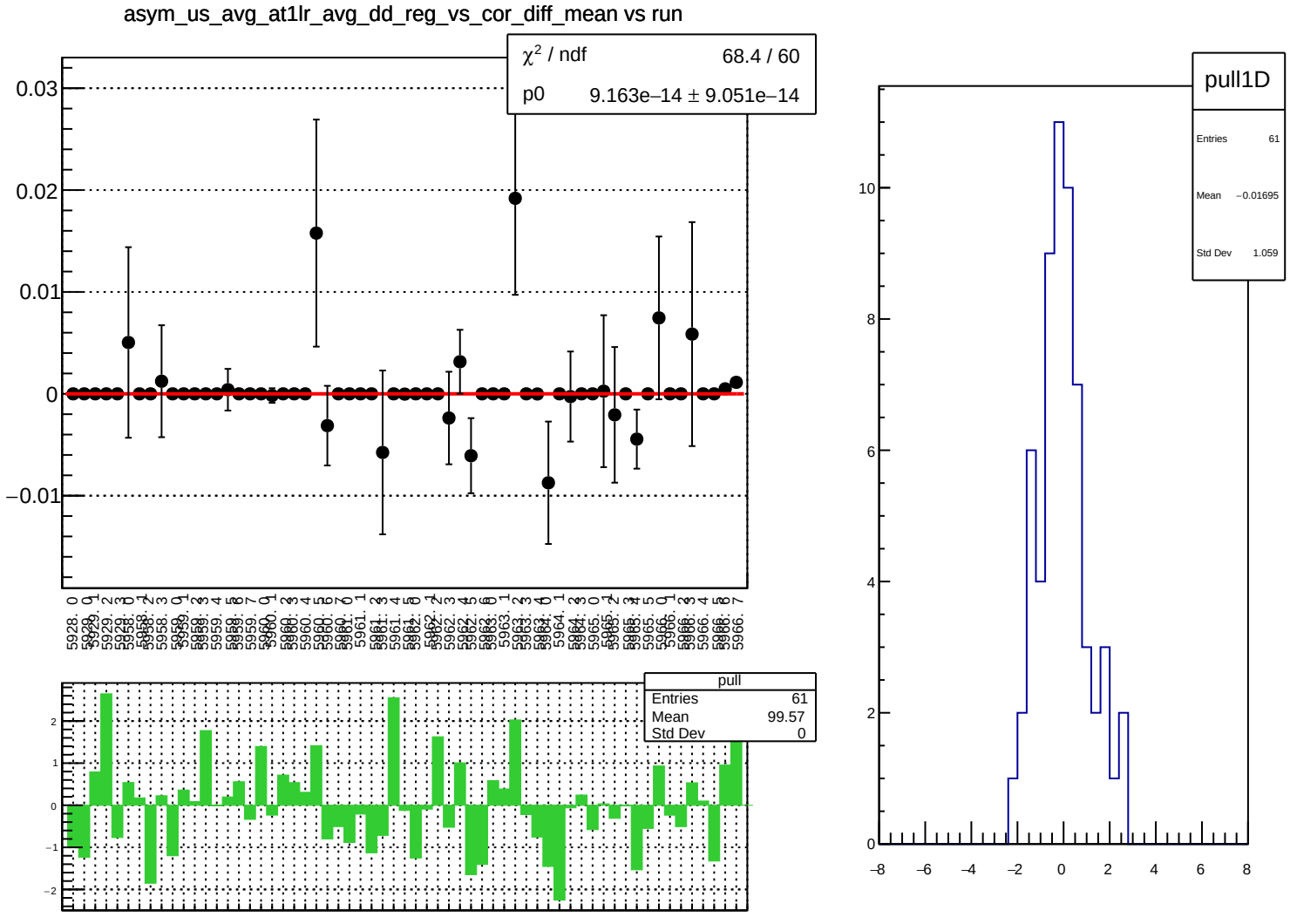

pull1D
Entries 61
Mean −0.008203
Std Dev 1.047

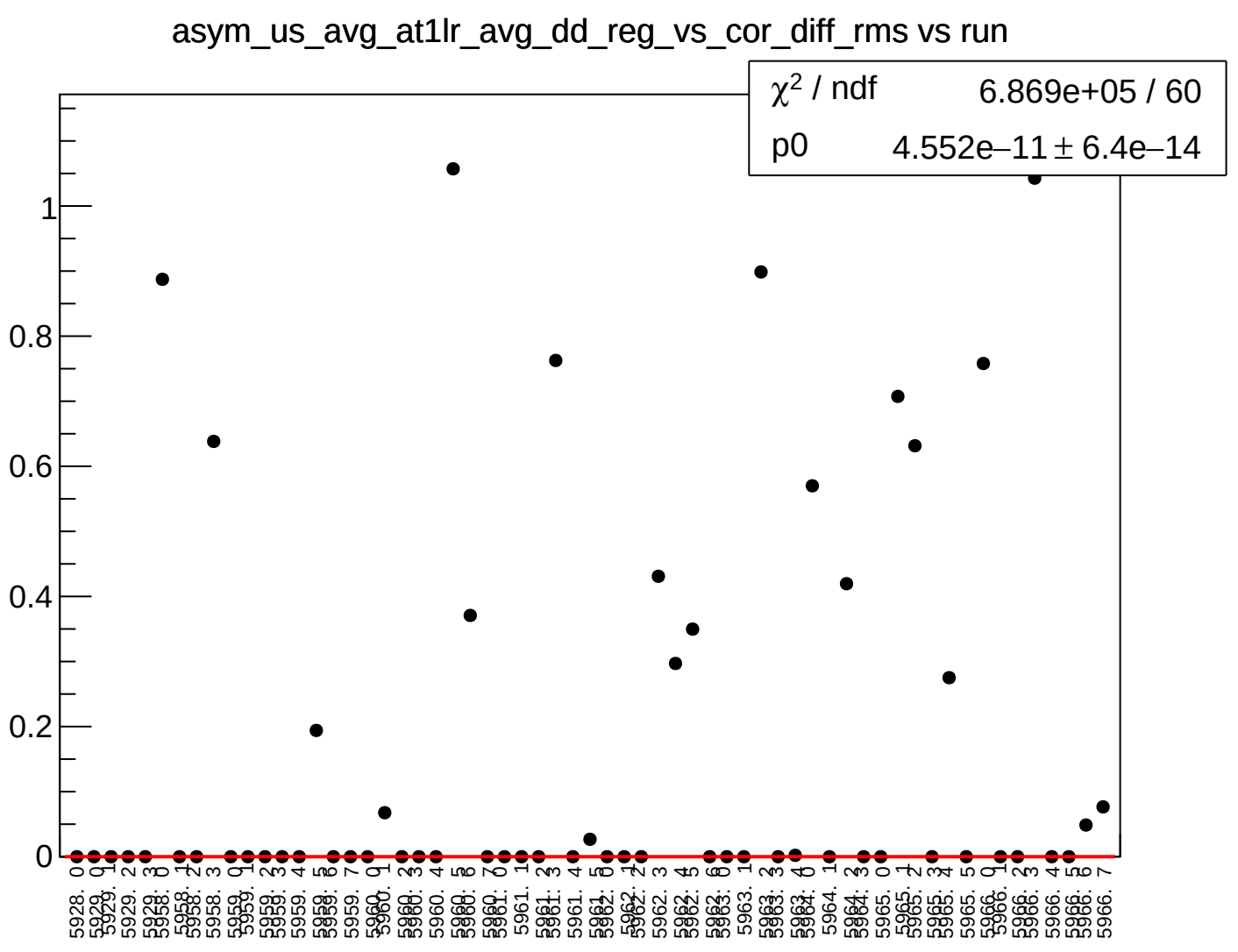

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7527 / 60
p0 700.1 ± 0.6431
900
850
800
750
700
650
600

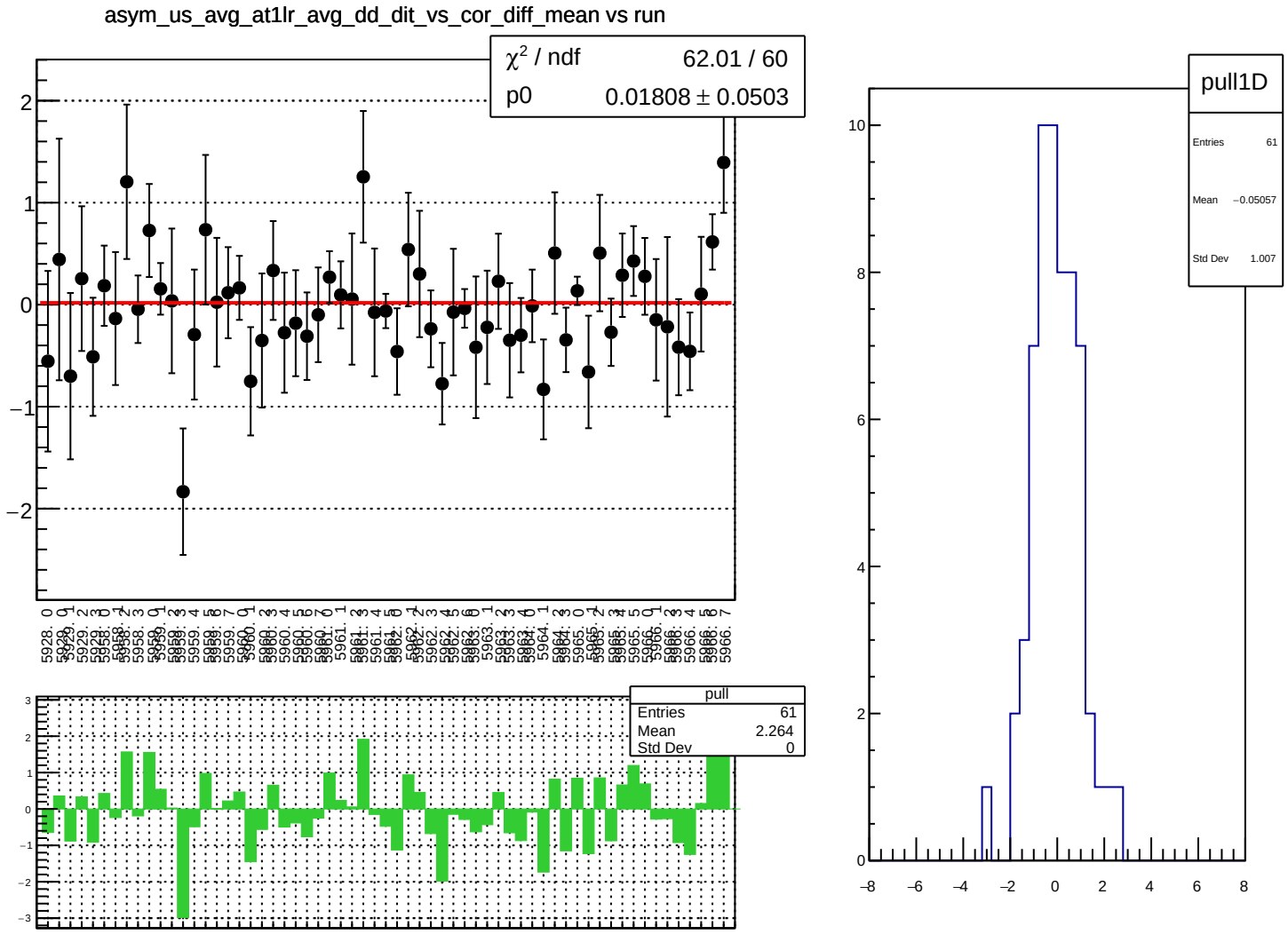

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 63.89 / 60
p0 −379.8 ± 2461
pull
Entries 61
Mean 276.9
Std Dev 0

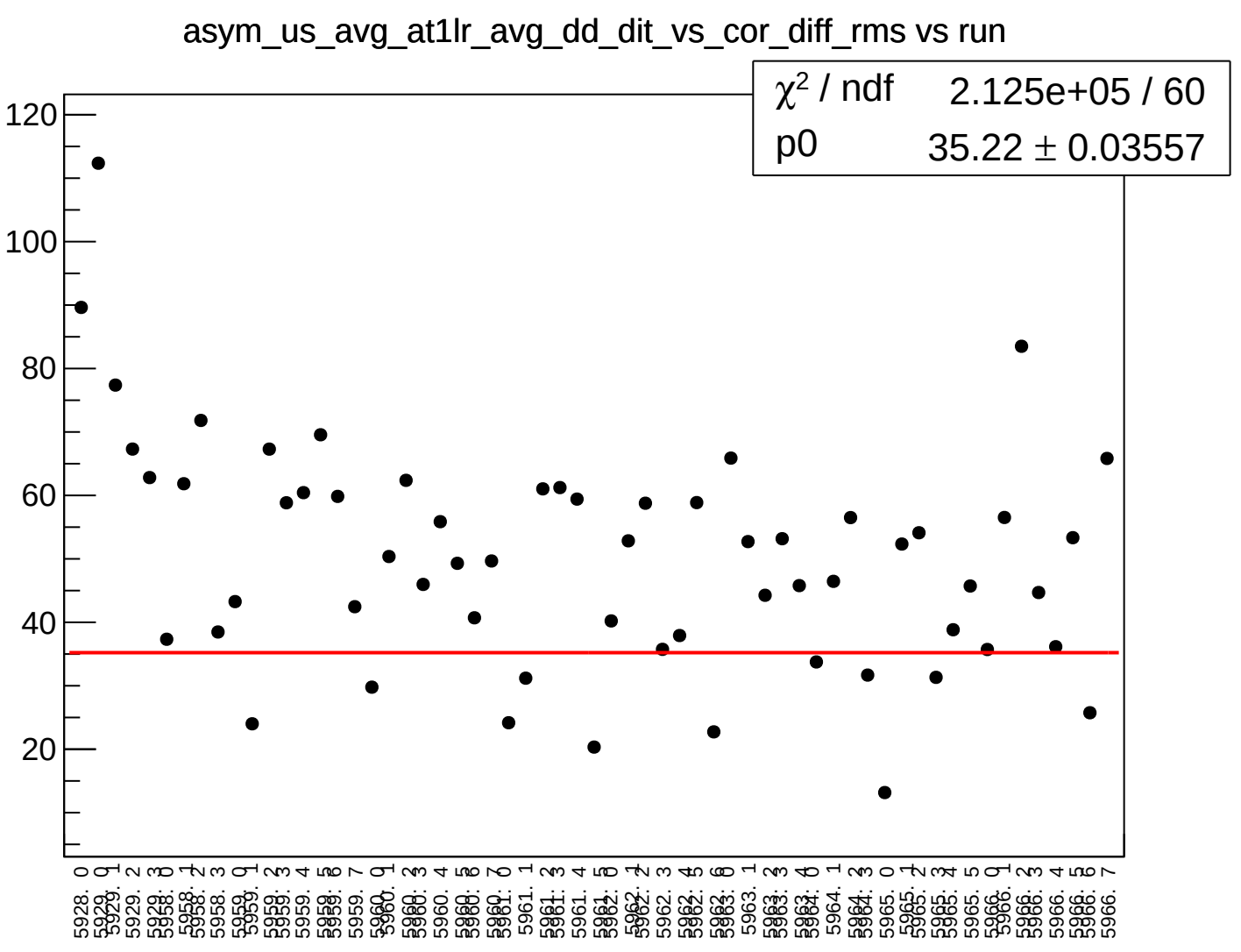

pull1D
Entries 61
Mean −0.00486
Std Dev 1.023

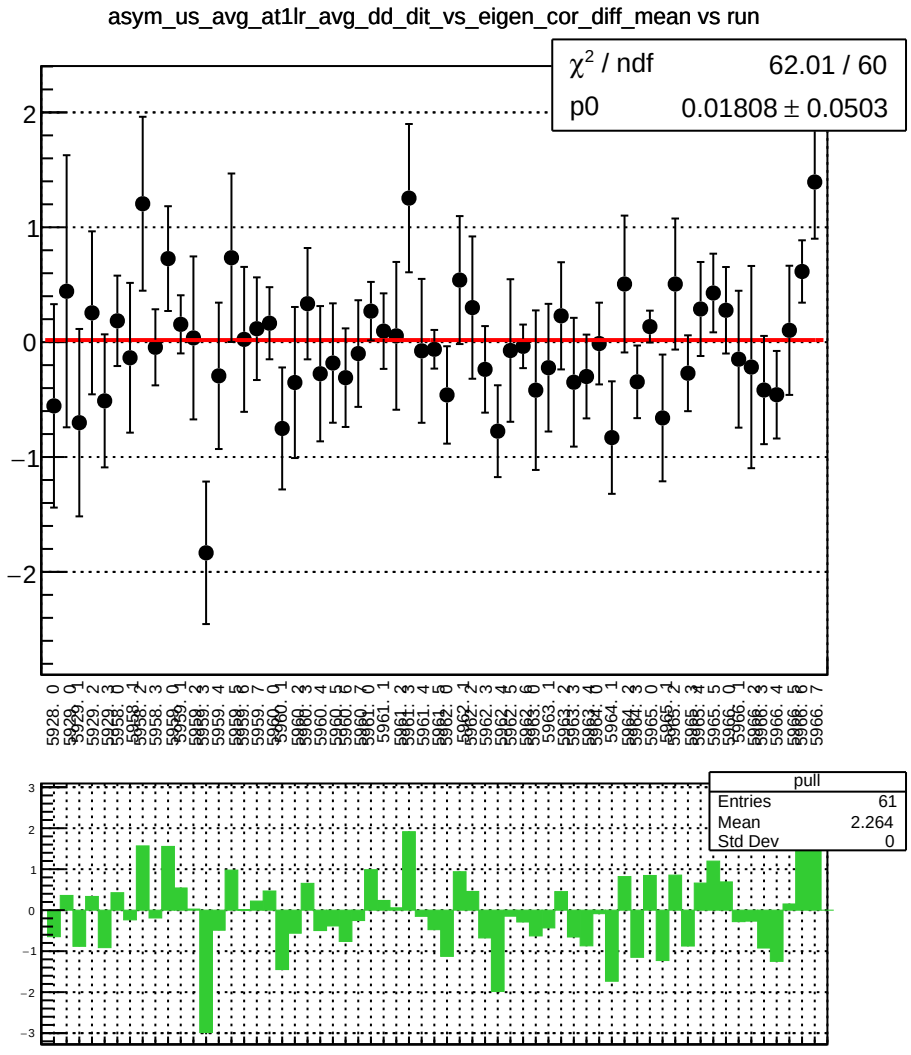

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 1215 / 60
p0 1899 ± 1.74
2150
2100
2050
2000
1950
1900
1850
1800

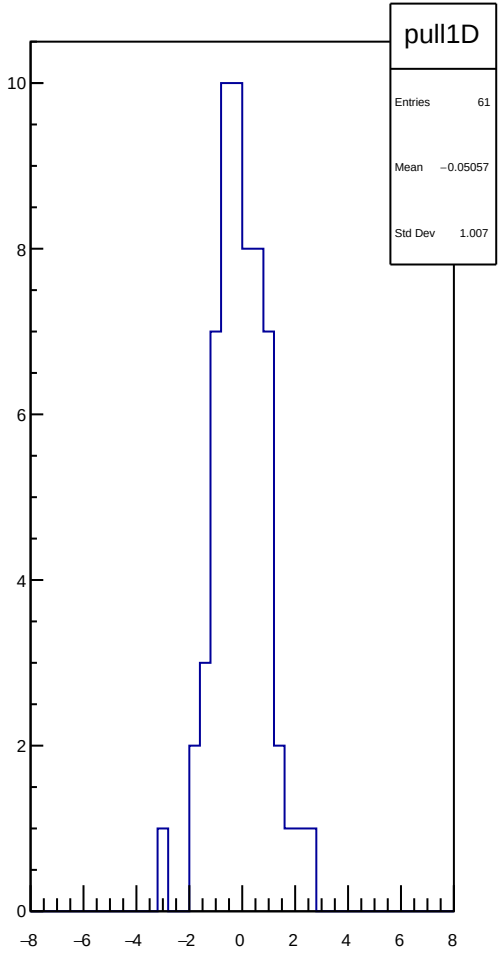

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.4 / 60
p0 9.163e−14 ± 9.051e−14
0.03
0.02
0.01
0
−0.01
pull
Entries 61
Mean 99.57
Std Dev 0
pull1D
Entries 61
Mean −0.01695
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

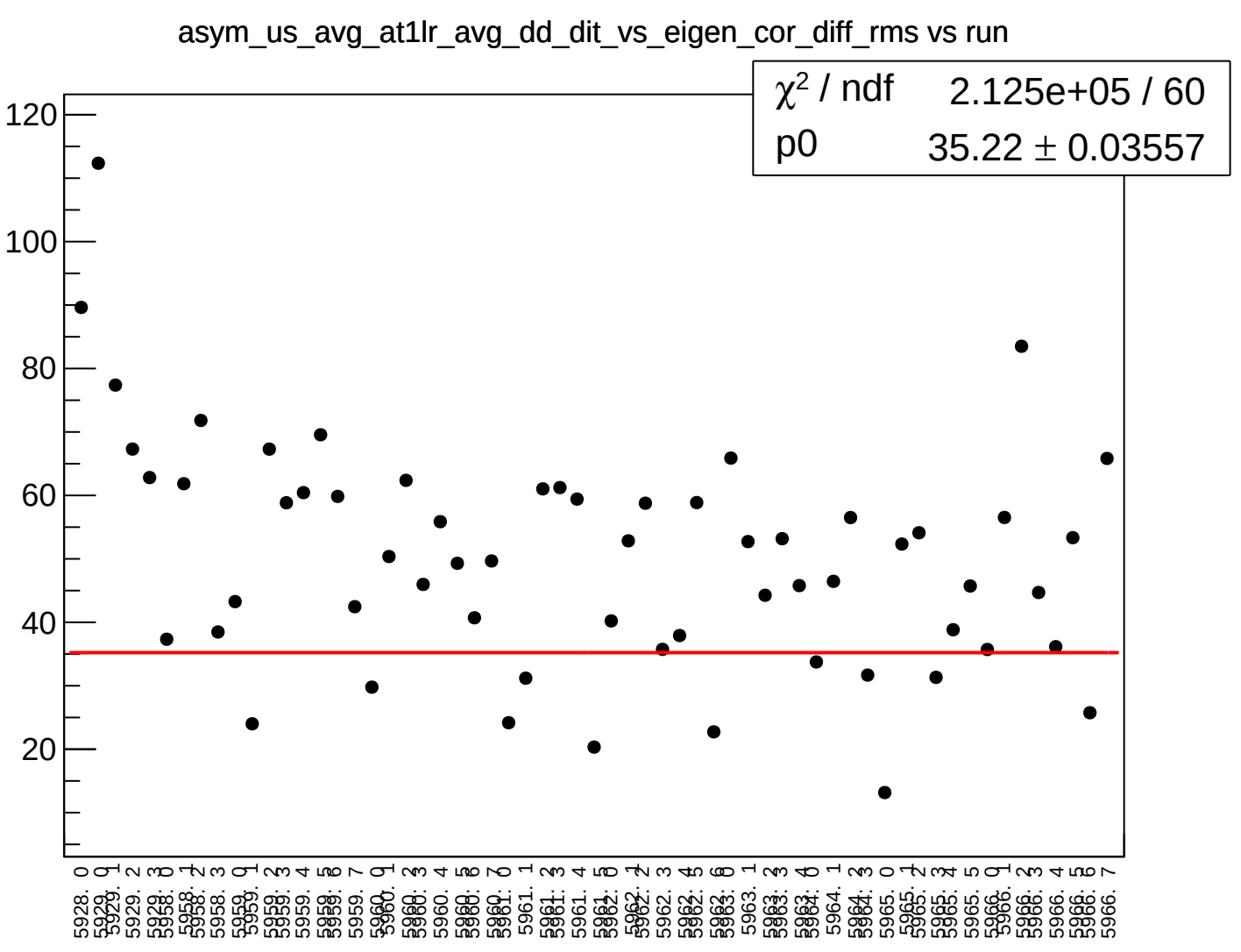

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.869e+05 / 60
p0 4.552e−11 ± 6.4e−14
1
0.8
0.6
0.4
0.2
0

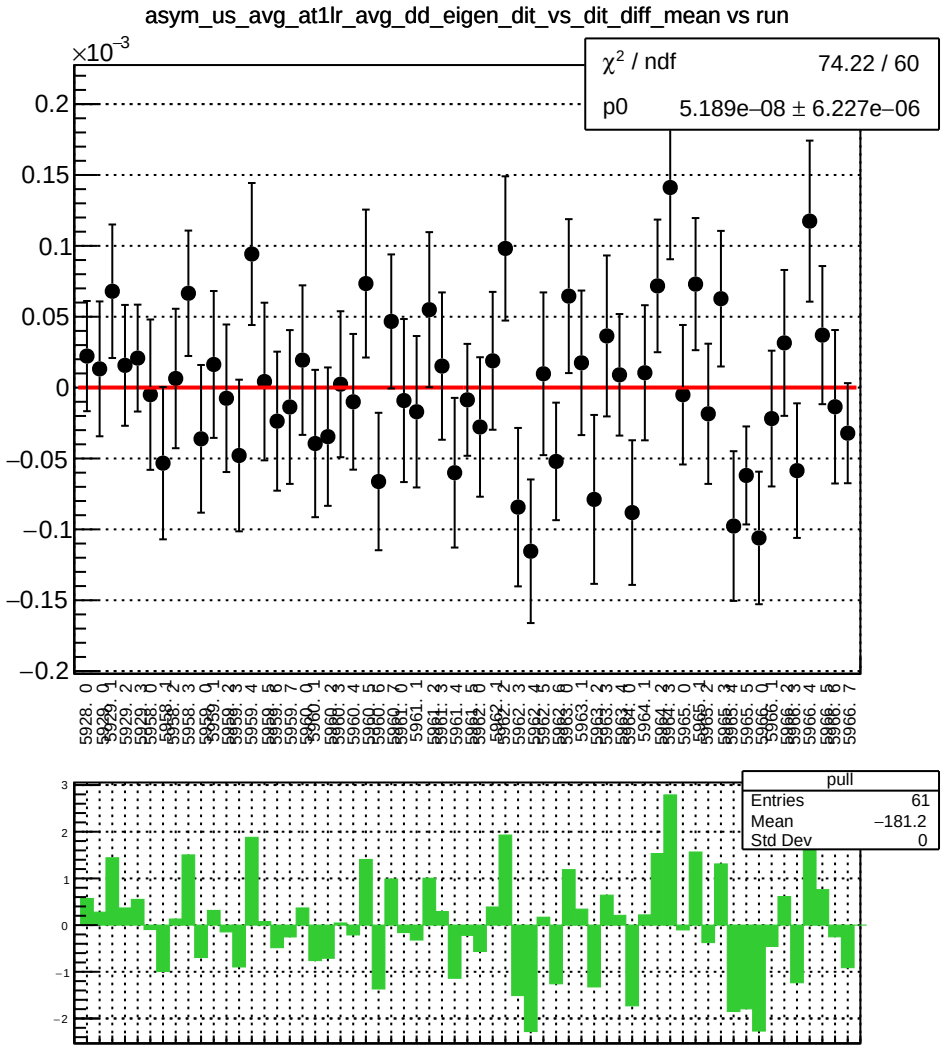

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.01 / 60
p0 0.01808 ± 0.0503
pull
Entries 61
Mean 2.264
Std Dev 0
pull1D
Entries 61
Mean −0.05057
Std Dev 1.007

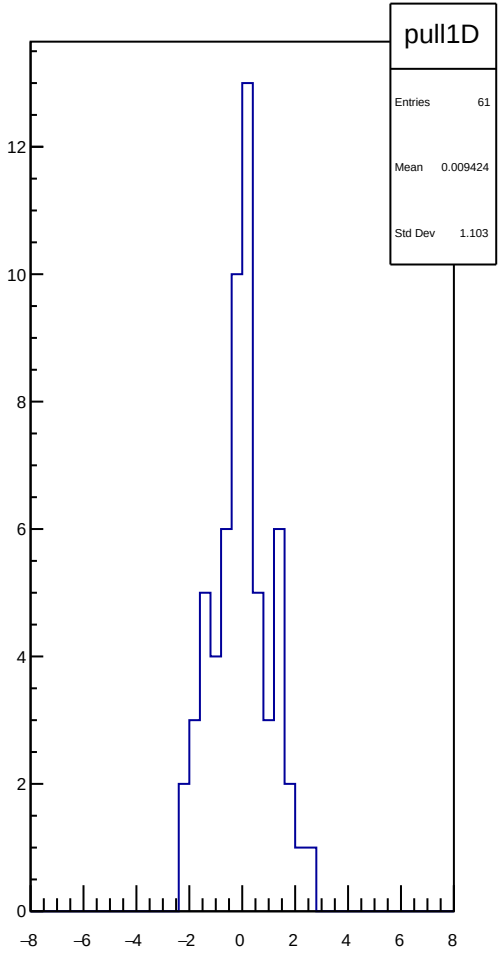

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 60
p0 35.22 ± 0.03557
120
100
80
60
40
20

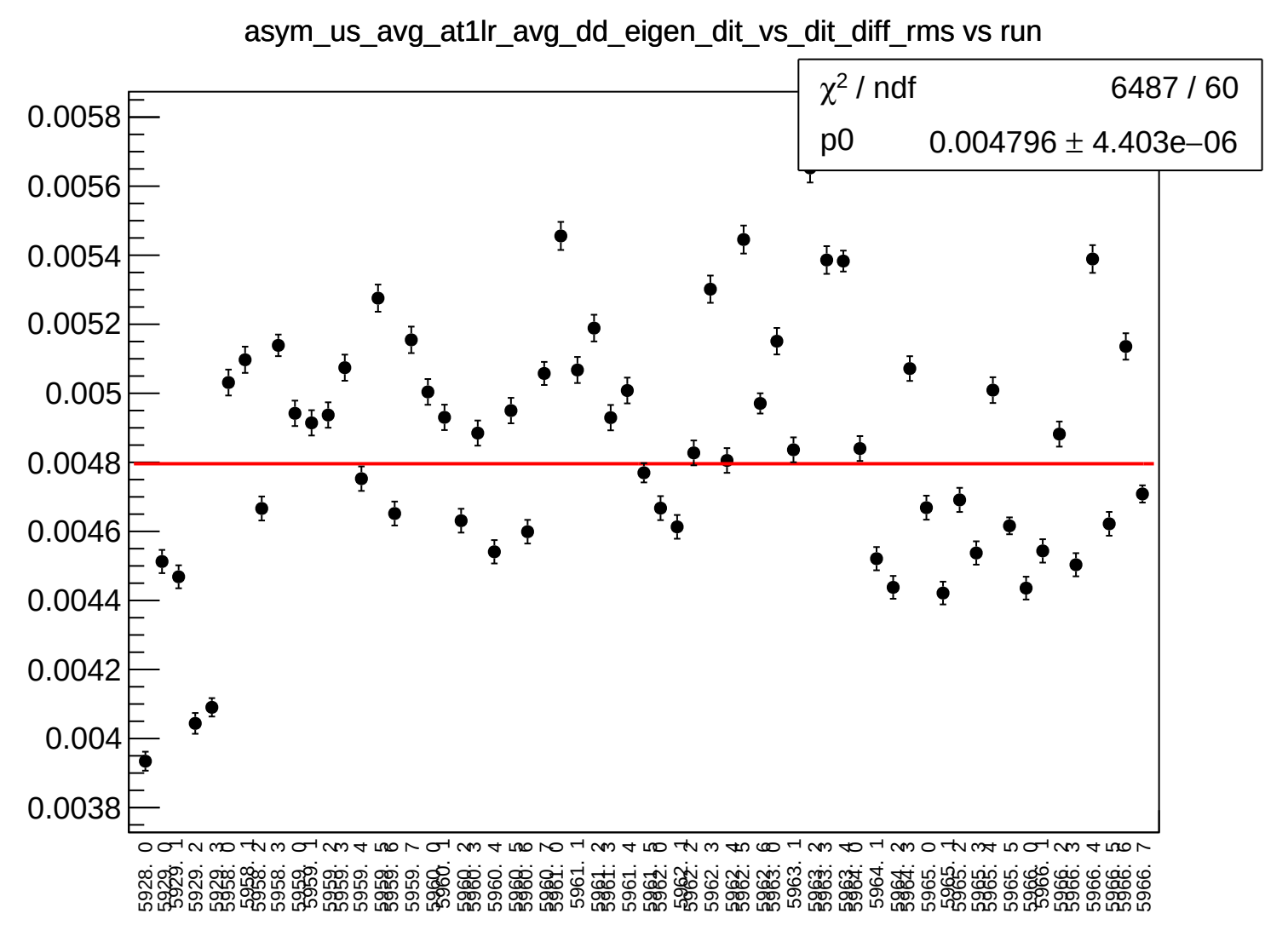

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.01 / 60
p0 0.01808 ± 0.0503
pull
Entries 61
Mean 2.264
Std Dev 0

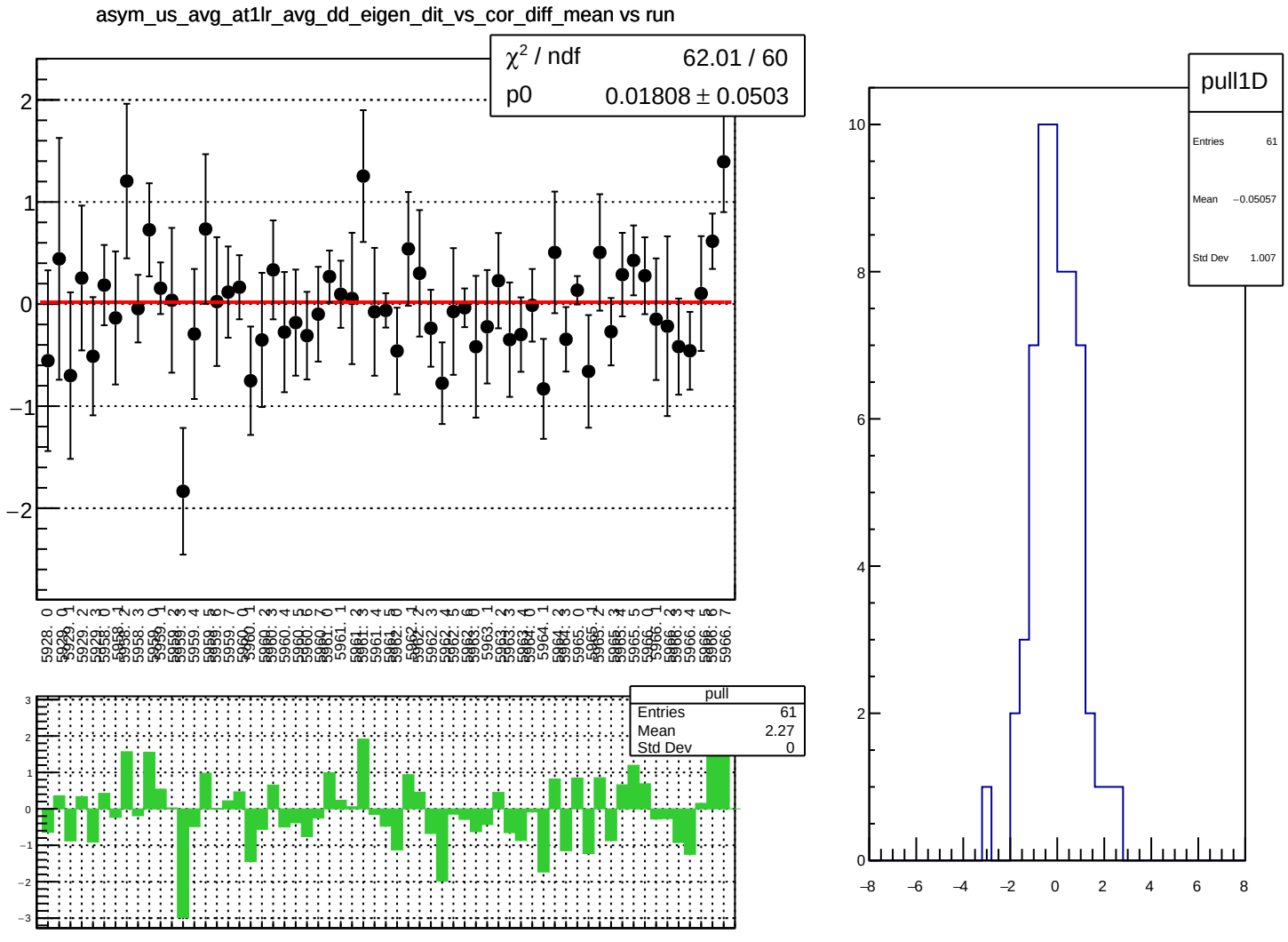

pull1D
Entries 61
Mean −0.05057
Std Dev 1.007

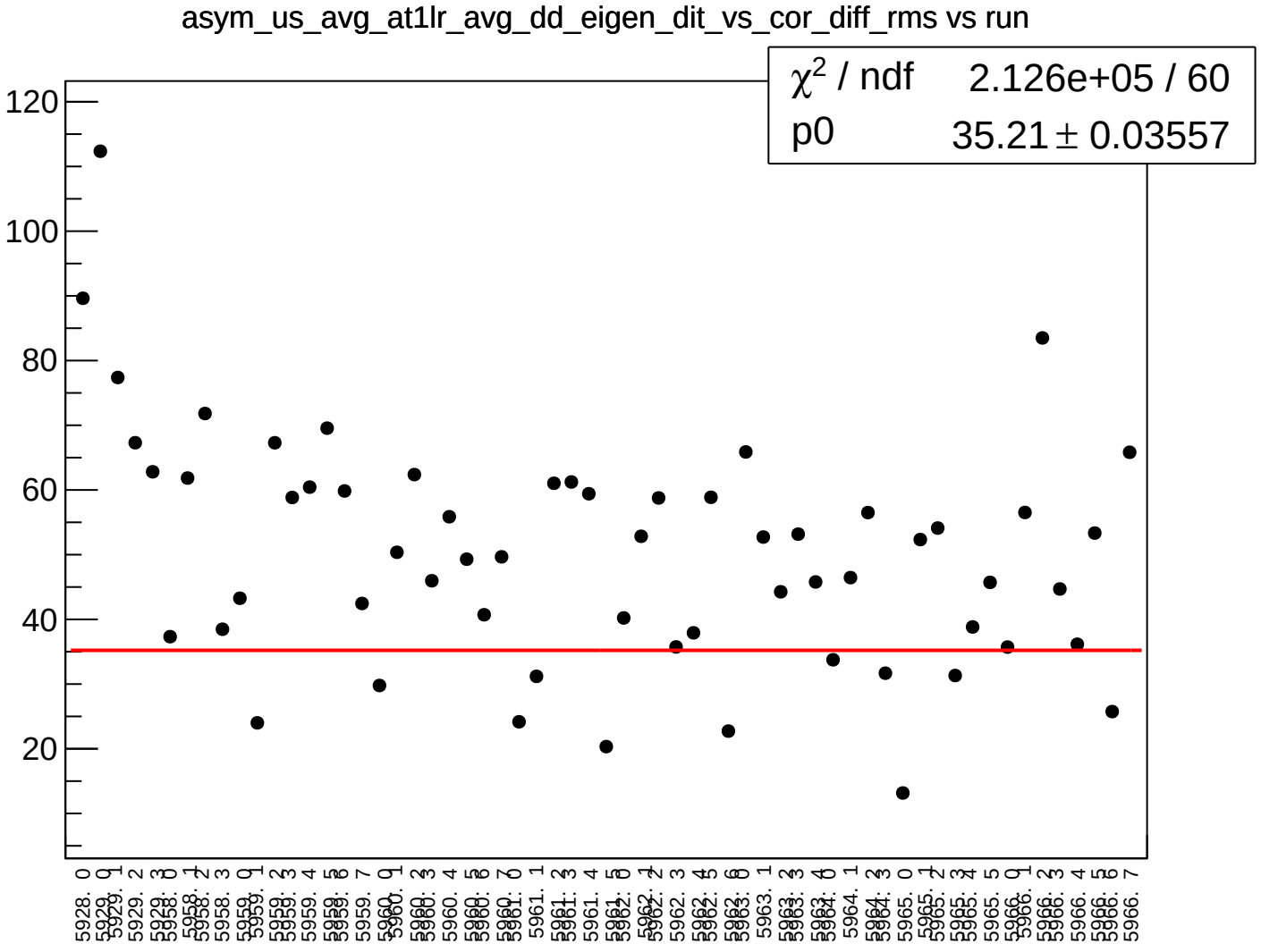

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.125e+05 / 60
p0 35.22 ± 0.03557
120
100
80
60
40
20

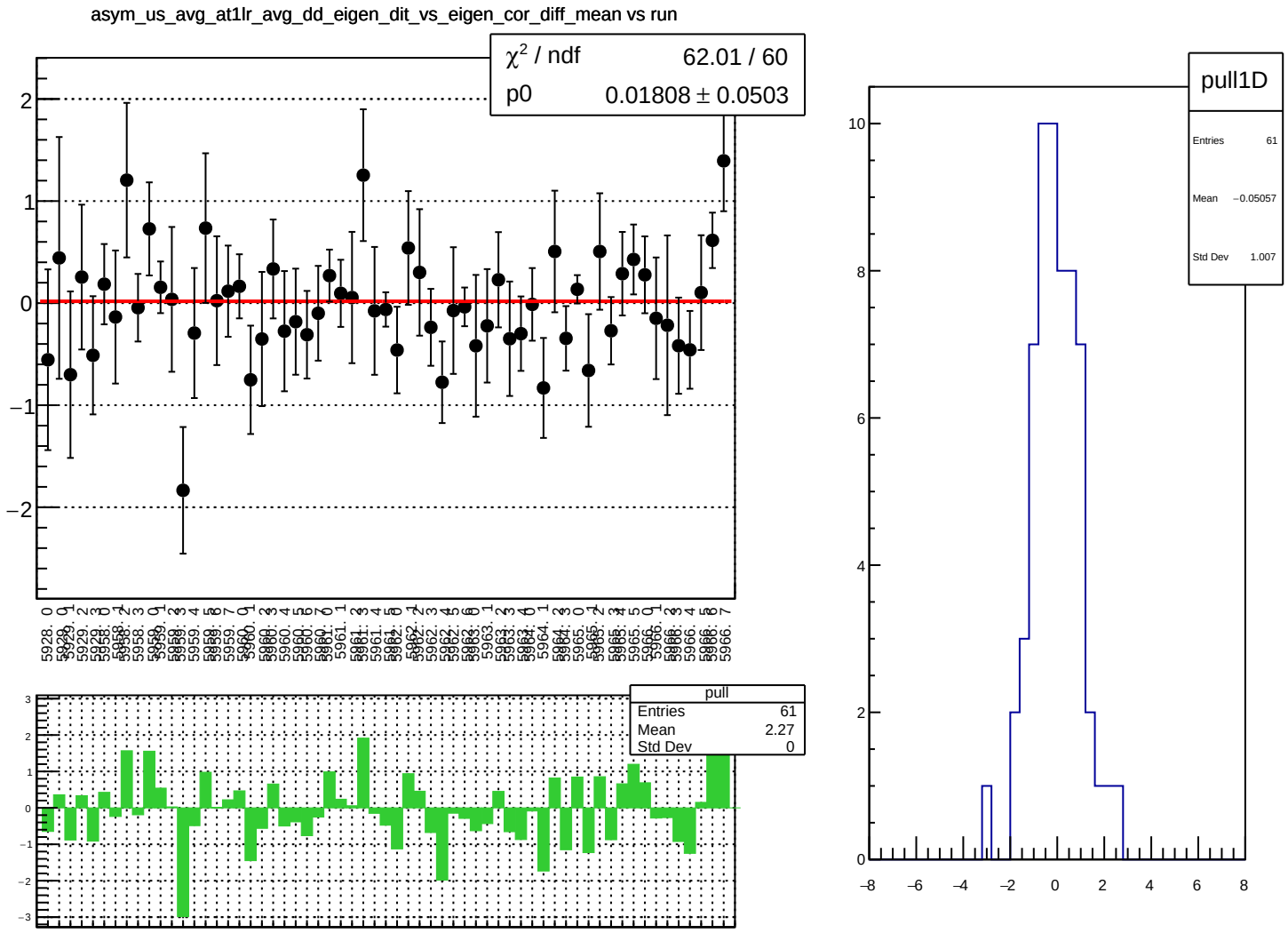

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.22 / 60
p0 5.189e−08 ± 6.227e−06
pull
Entries 61
Mean −181.2
Std Dev 0

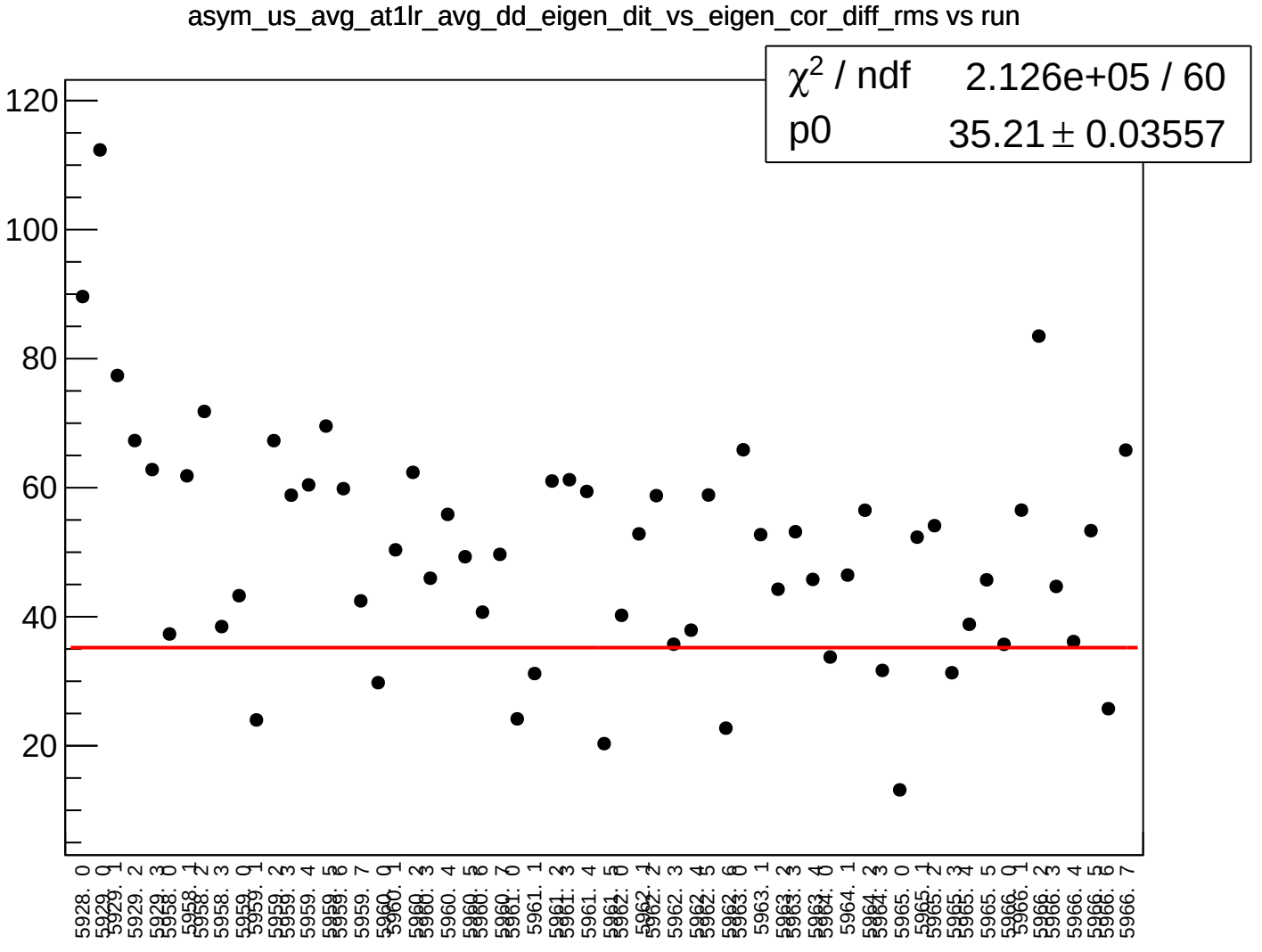

pull1D
Entries 61
Mean 0.009424
Std Dev 1.103

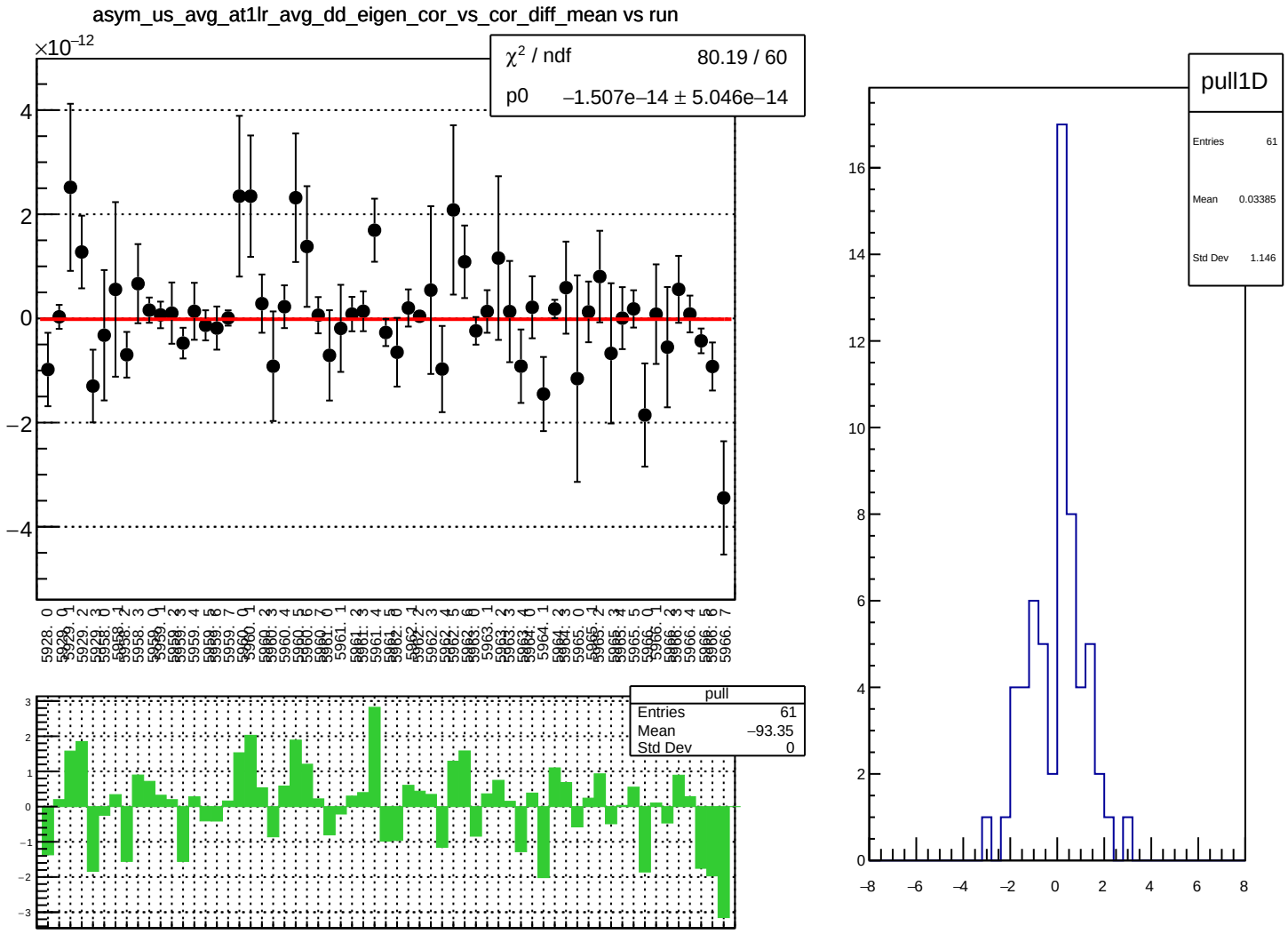

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6487 / 60
p0 0.004796 ± 4.403e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

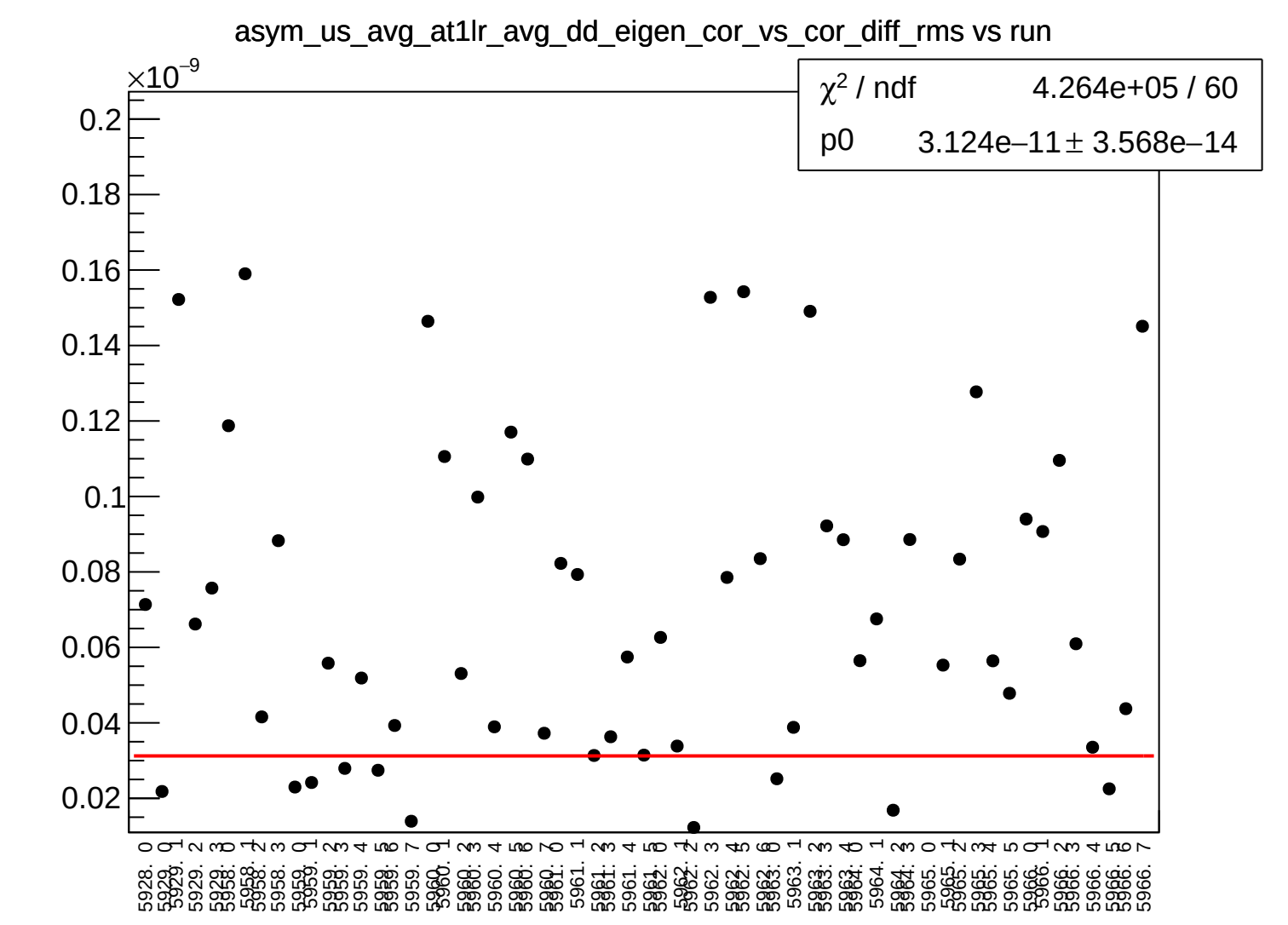

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.01 / 60
p0 0.01808 ± 0.0503
pull
Entries 61
Mean 2.27
Std Dev 0
pull1D
Entries 61
Mean −0.05057
Std Dev 1.007

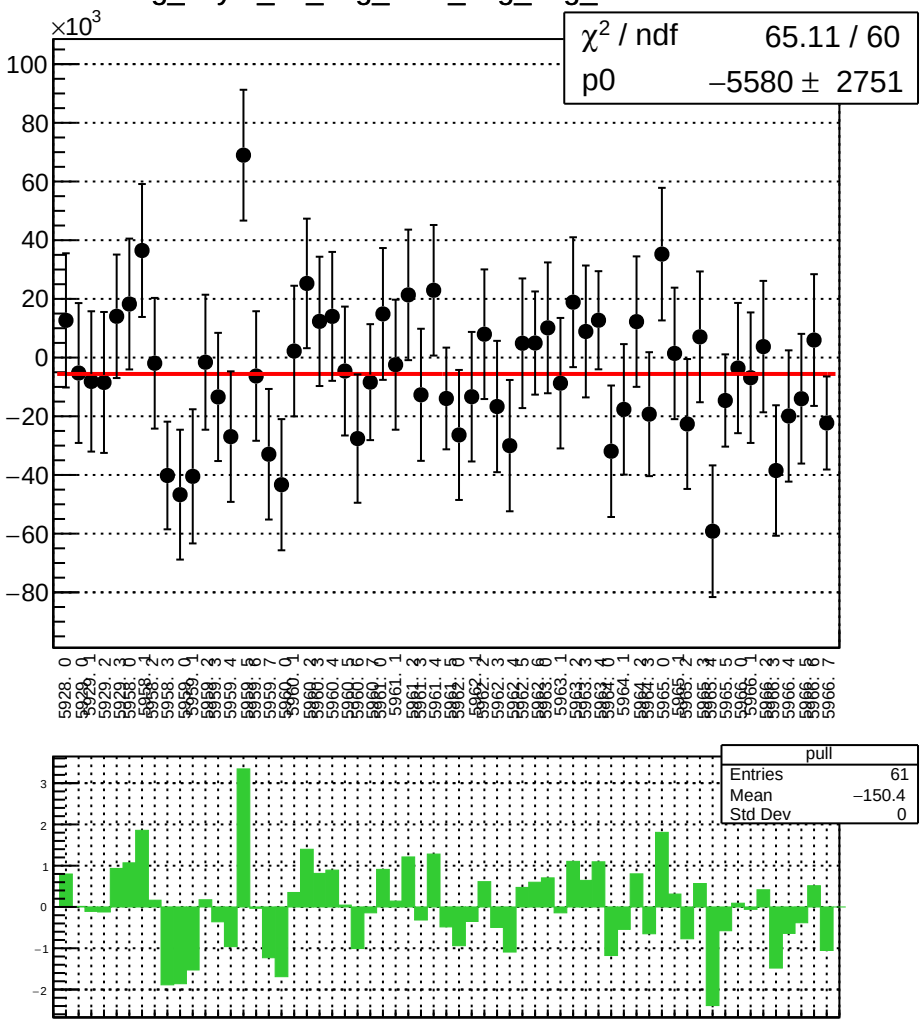

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.126e+05 / 60
p0 35.21 ± 0.03557
120
100
80
60
40
20

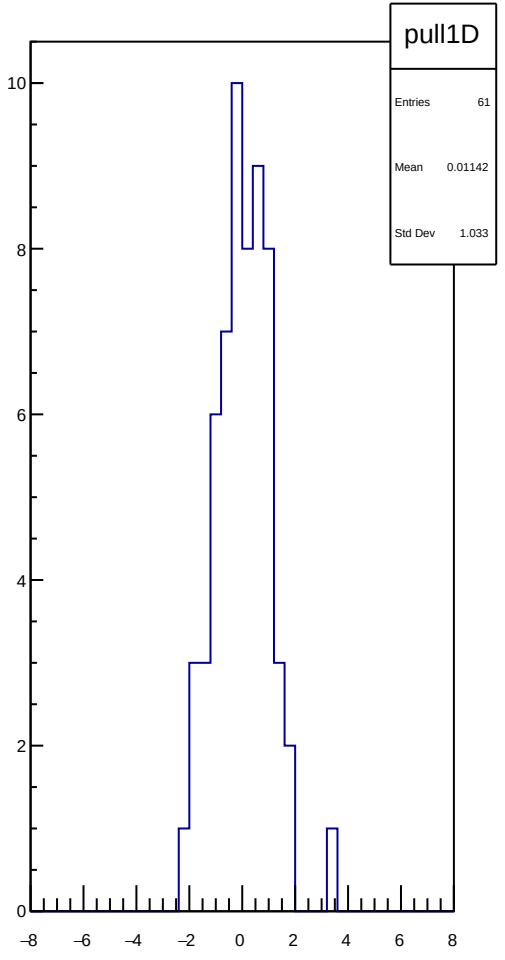

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.01 / 60
p0 0.01808 ± 0.0503
pull
Entries 61
Mean 2.27
Std Dev 0
pull1D
Entries 61
Mean −0.05057
Std Dev 1.007

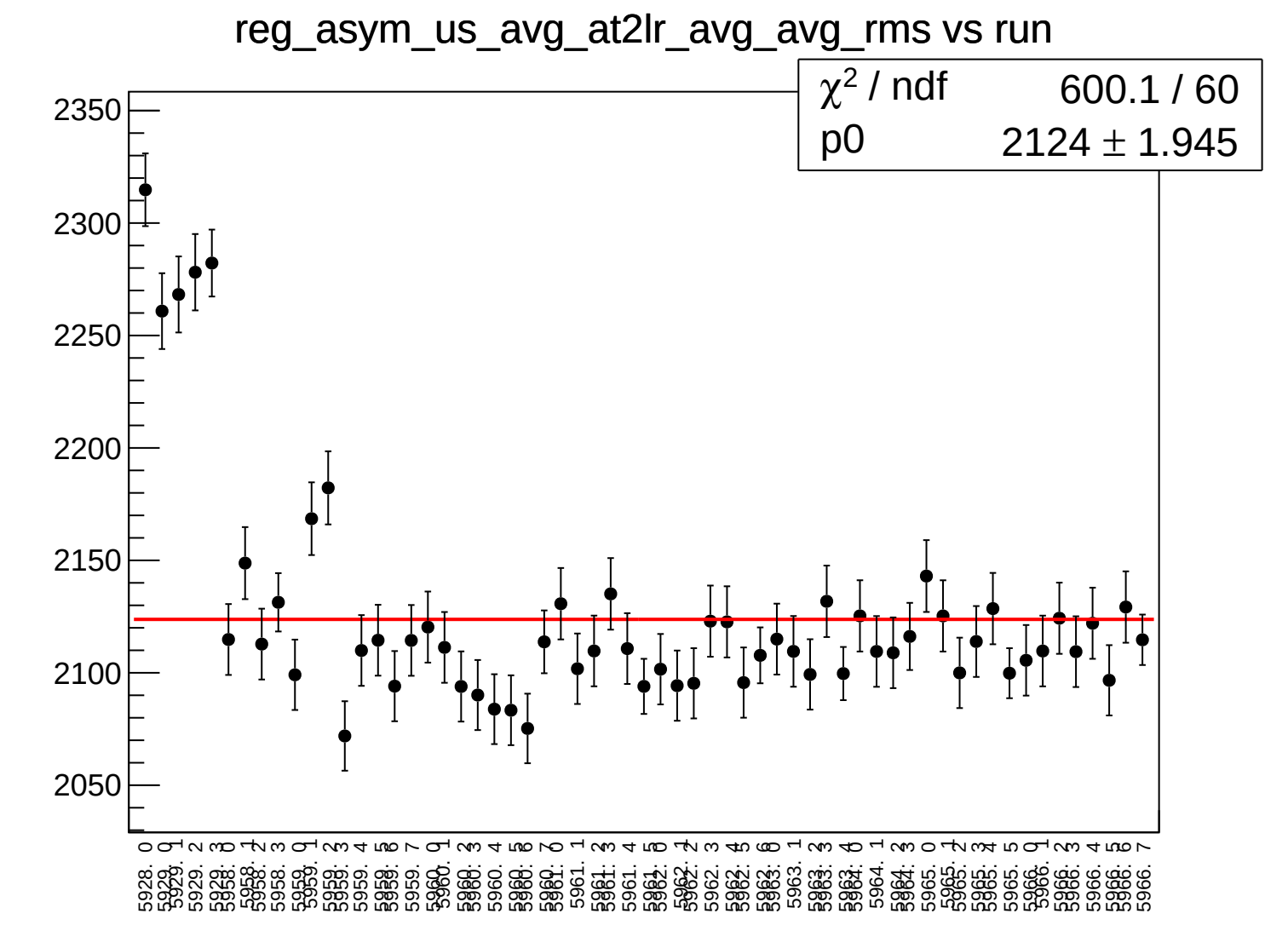

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.126e+05 / 60
p0 35.21 ± 0.03557
120
100
80
60
40
20

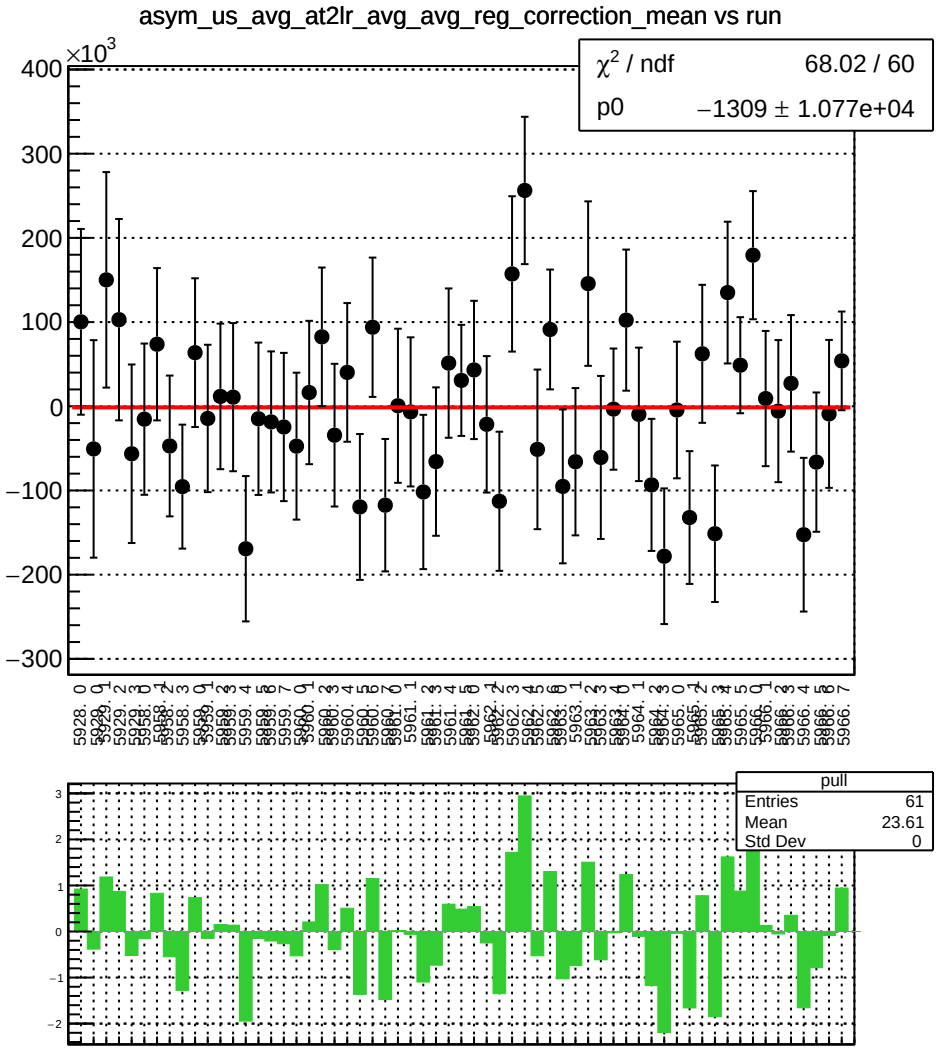

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.19 / 60
p0 −1.507e−14 ± 5.046e−14
pull
Entries 61
Mean −93.35
Std Dev 0
pull1D
Entries 61
Mean 0.03385
Std Dev 1.146

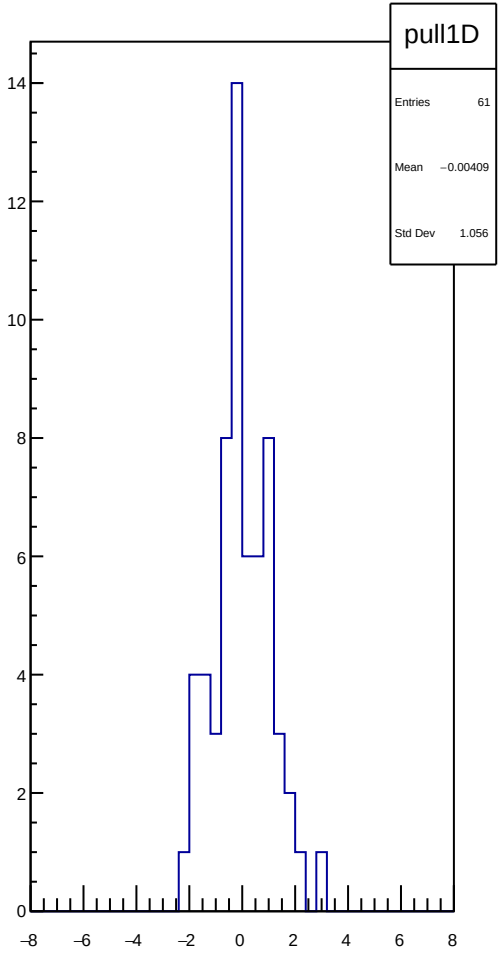

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.264e+05 / 60
p0 3.124e−11 ± 3.568e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

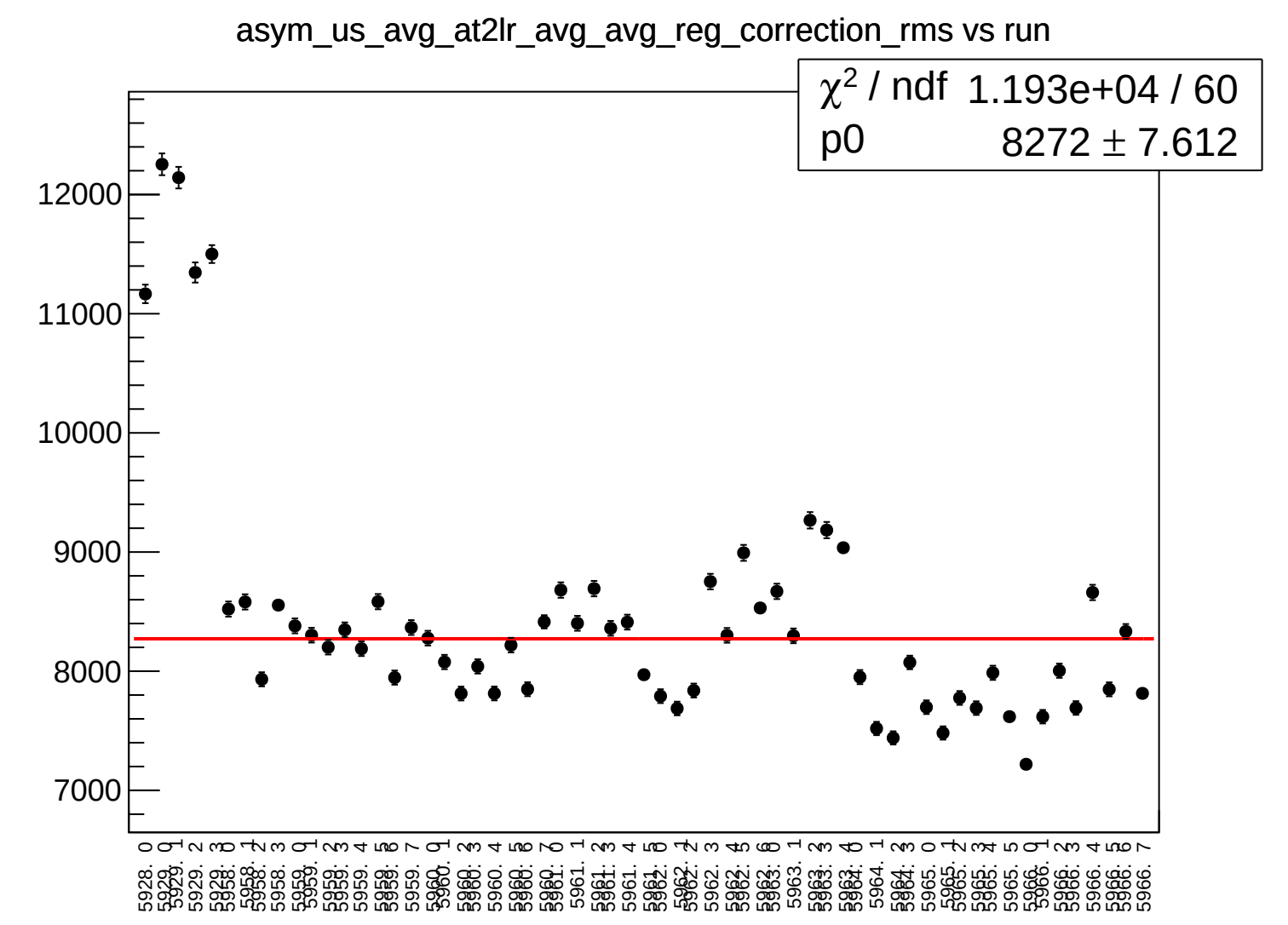

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 65.11 / 60
p0 −5580 ± 2751
pull
Entries 61
Mean −150.4
Std Dev 0

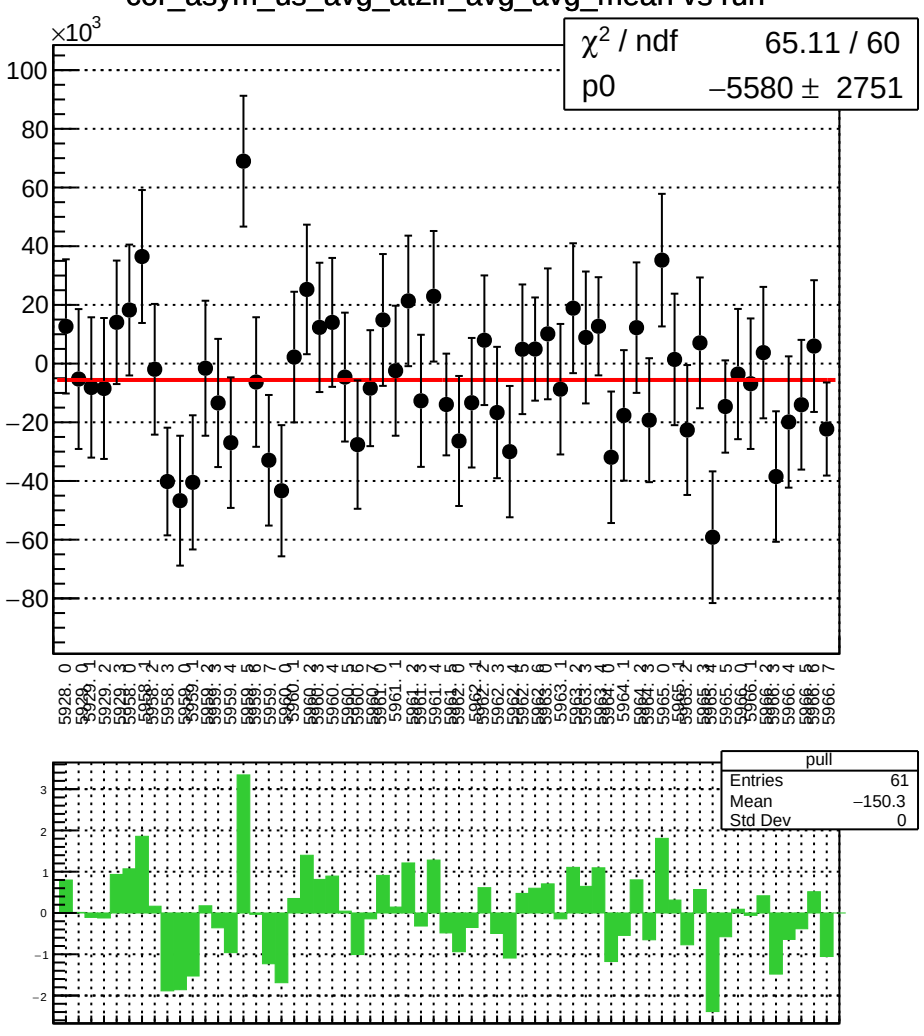

pull1D
Entries 61
Mean 0.01142
Std Dev 1.033

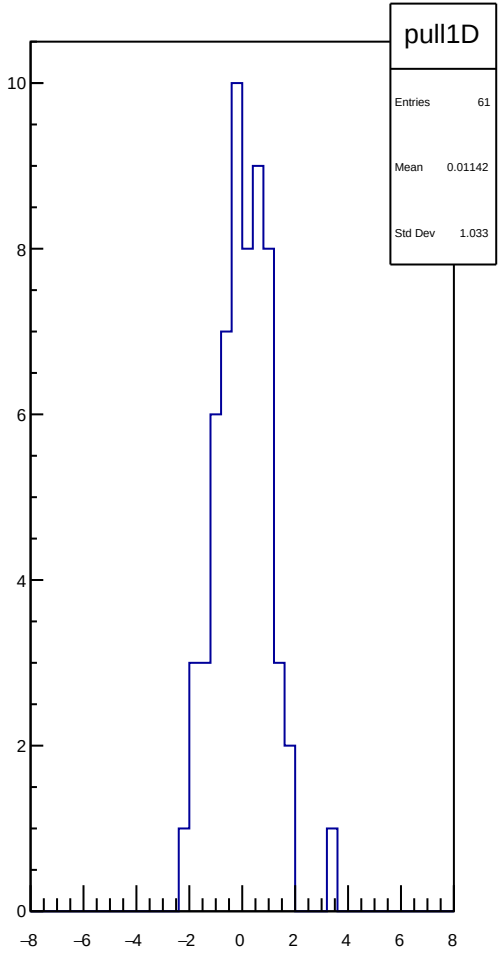

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 600.1 / 60
p0 2124 ± 1.945
2350
2300
2250
2200
2150
2100
2050

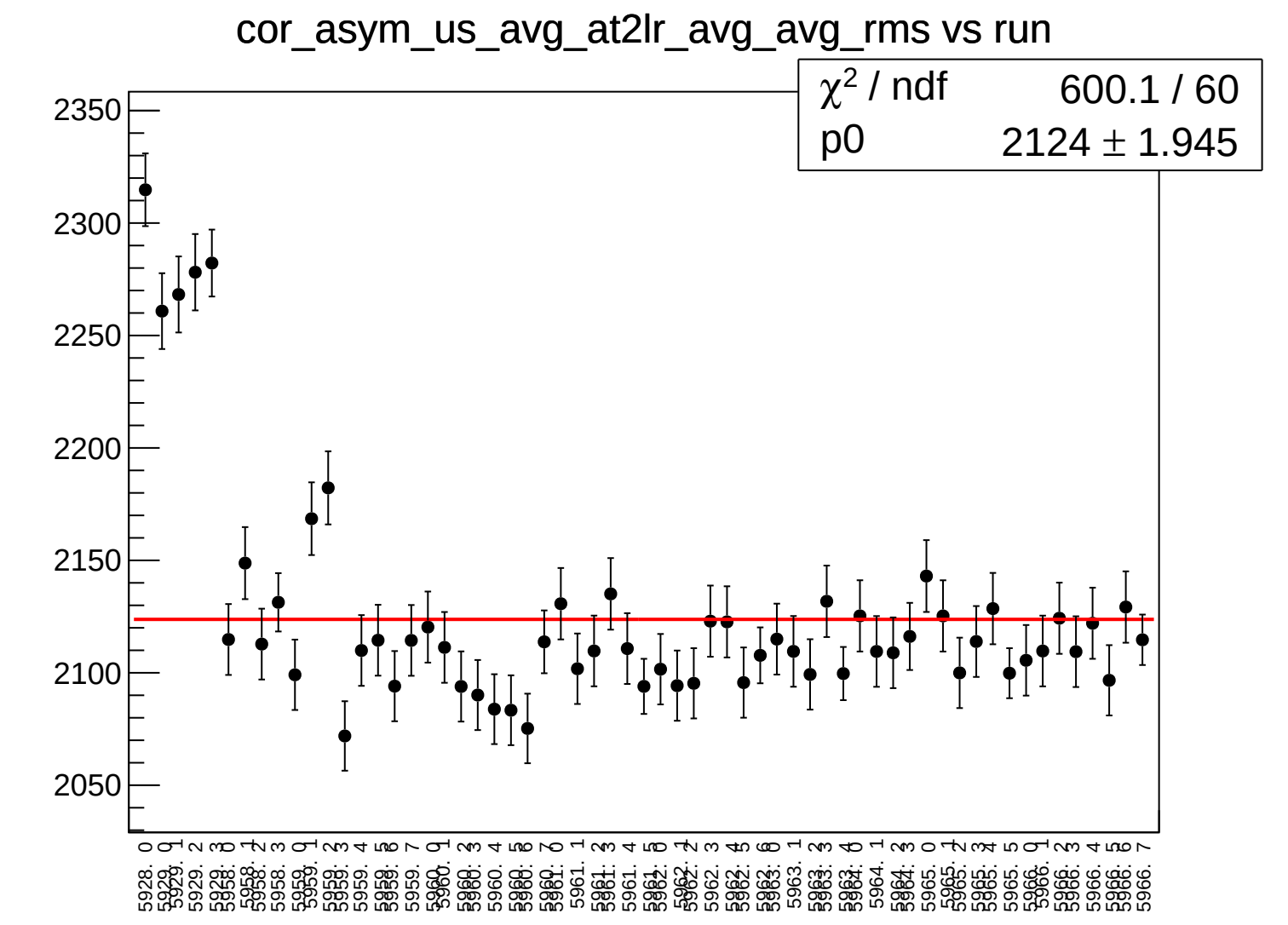

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 68.02 / 60
p0 −1309 ± 1.077e+04
pull
Entries 61
Mean 23.61
Std Dev 0

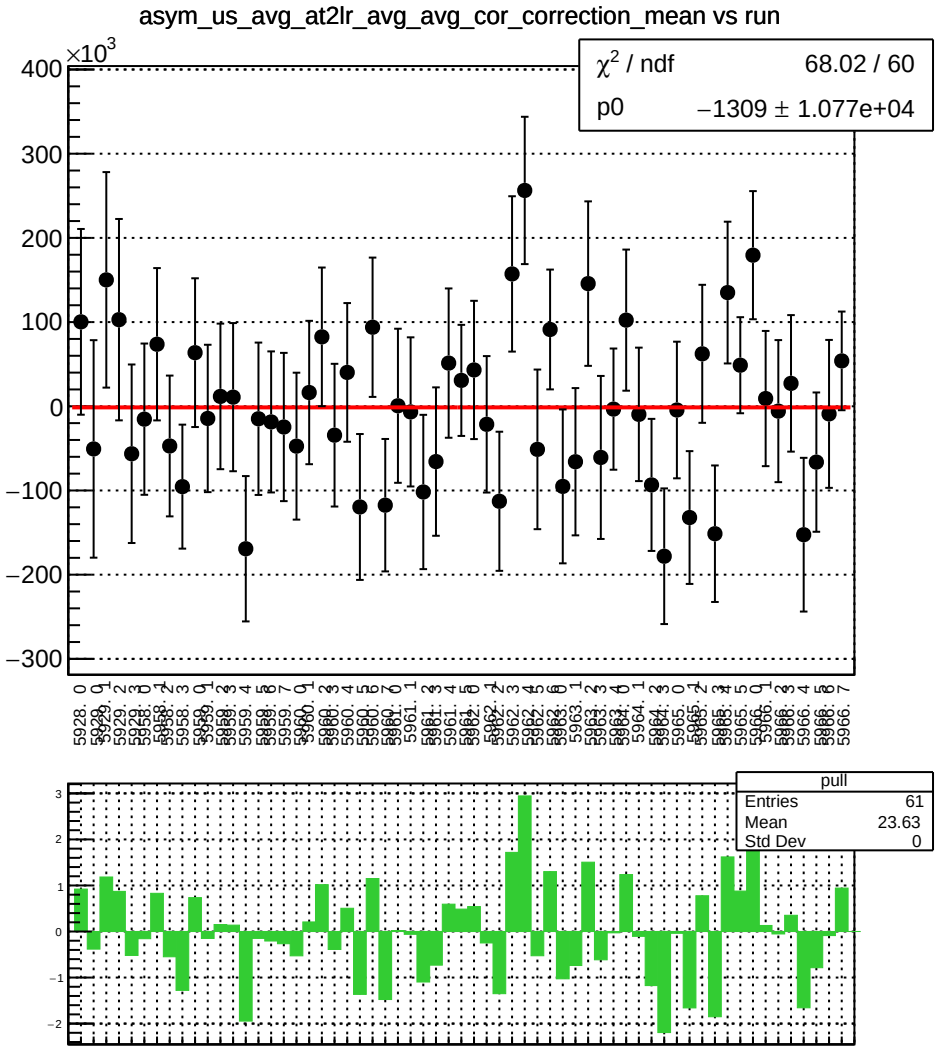

pull1D
Entries 61
Mean −0.00409
Std Dev 1.056

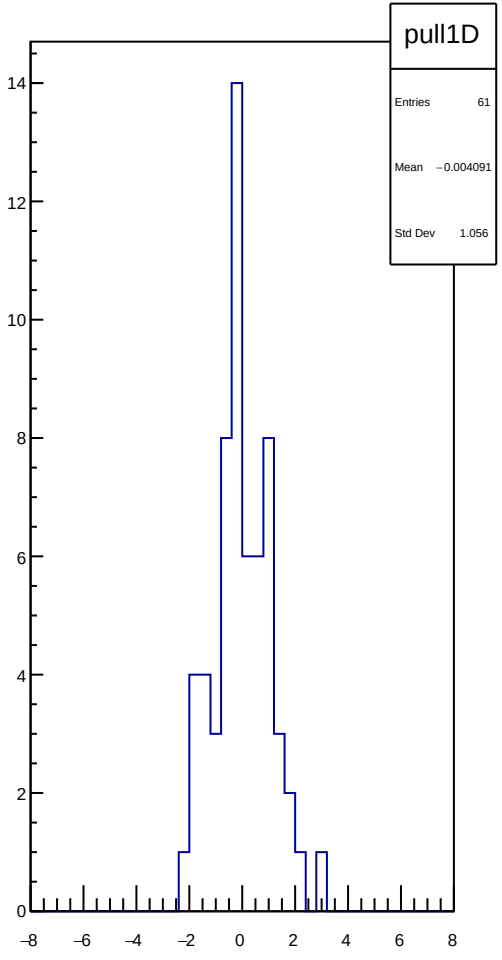

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.193e+04 / 60
p0 8272 ± 7.612
12000
11000
10000
9000
8000
7000

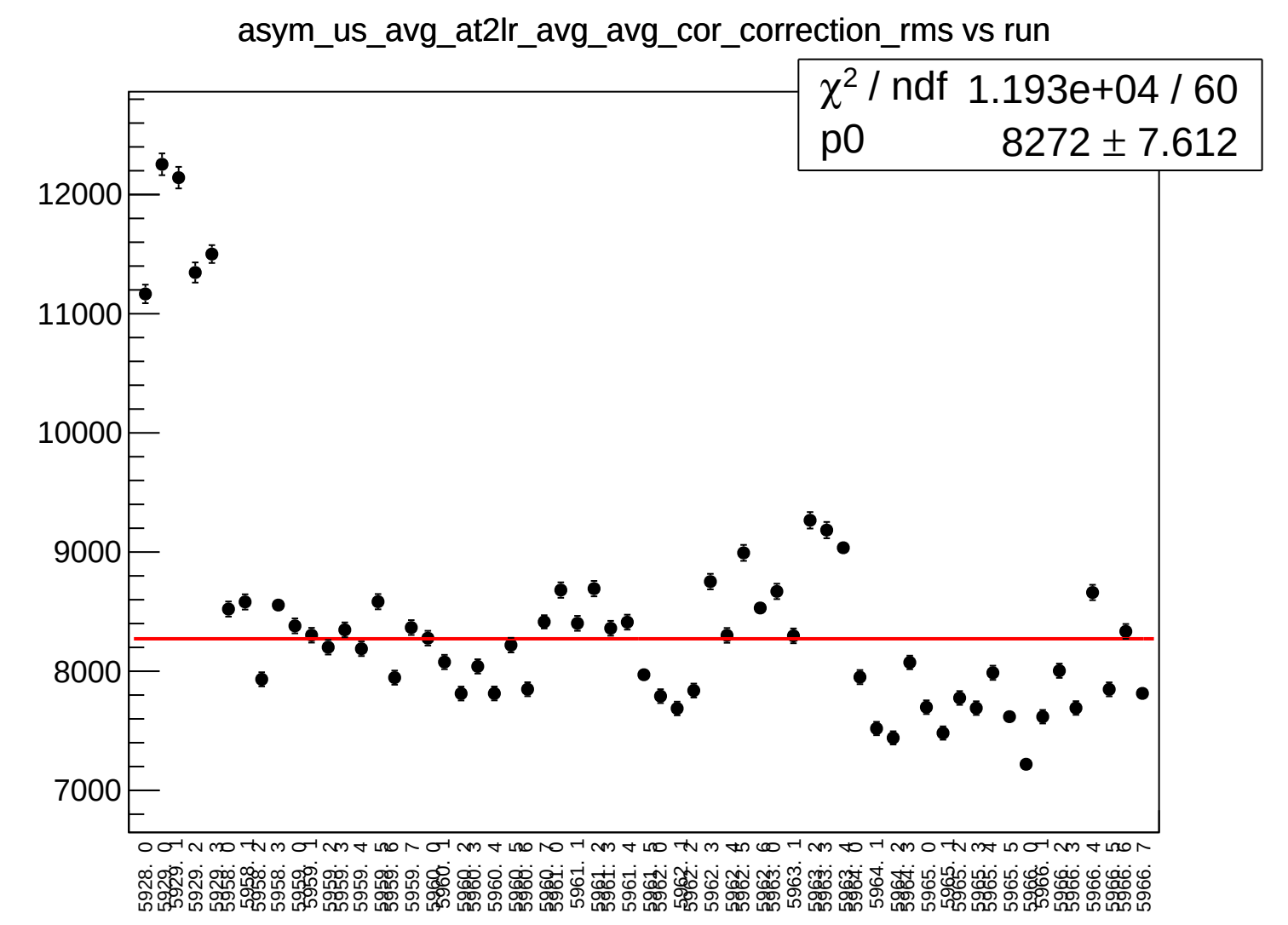

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 65.11 / 60
p0 −5580 ± 2751
pull
Entries 61
Mean −150.3
Std Dev 0

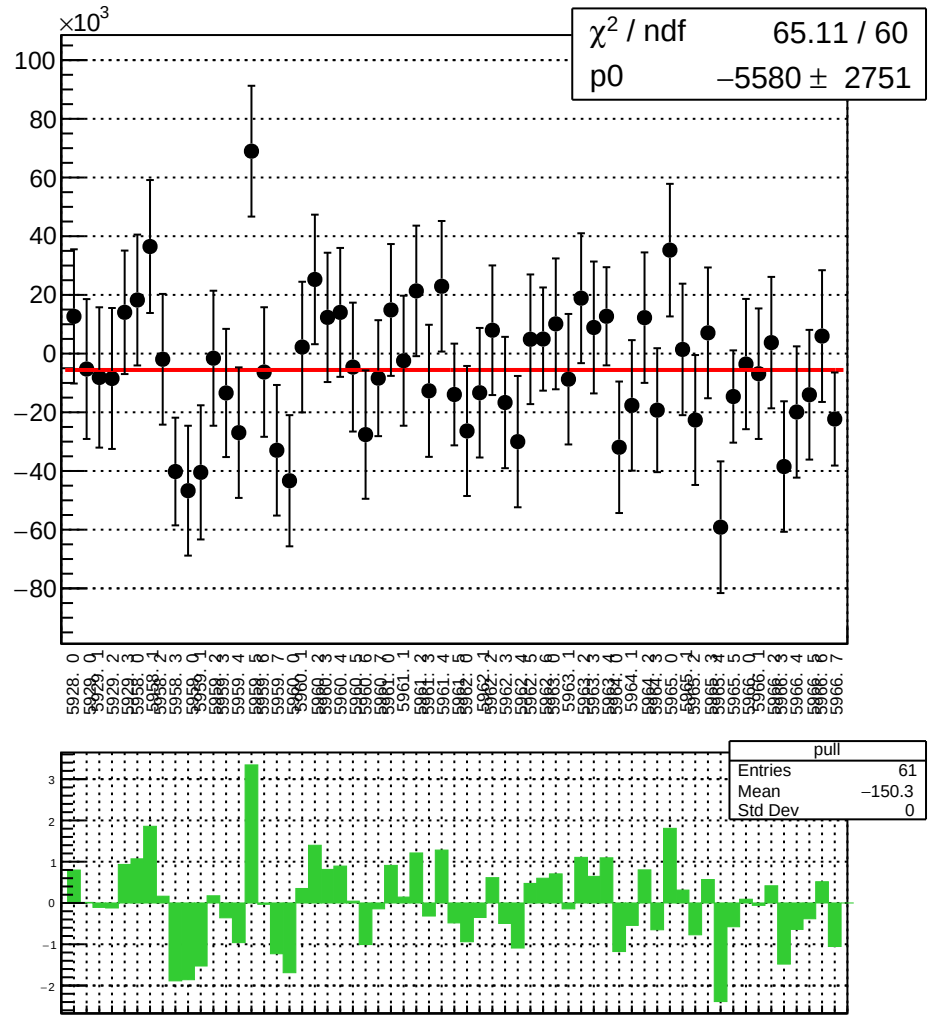

pull1D
Entries 61
Mean 0.01142
Std Dev 1.033

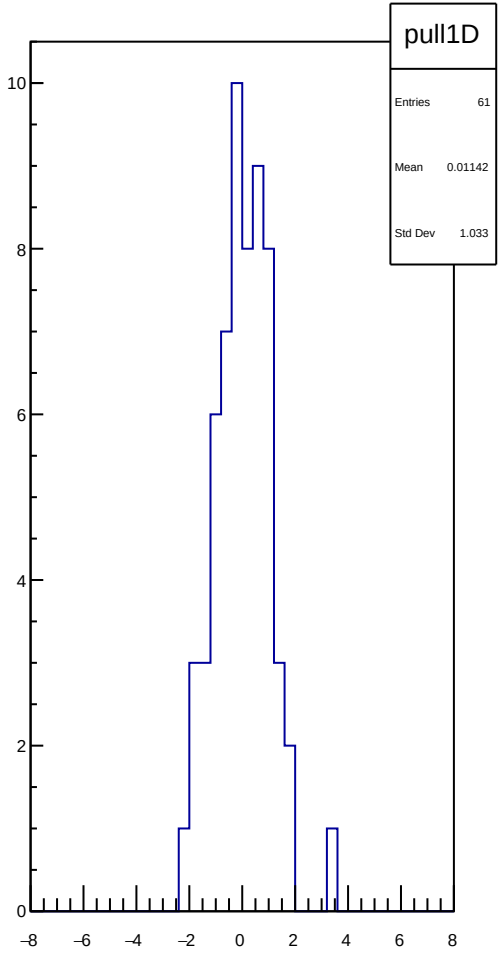

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 600.1 / 60
p0 2124 ± 1.945
2350
2300
2250
2200
2150
2100
2050

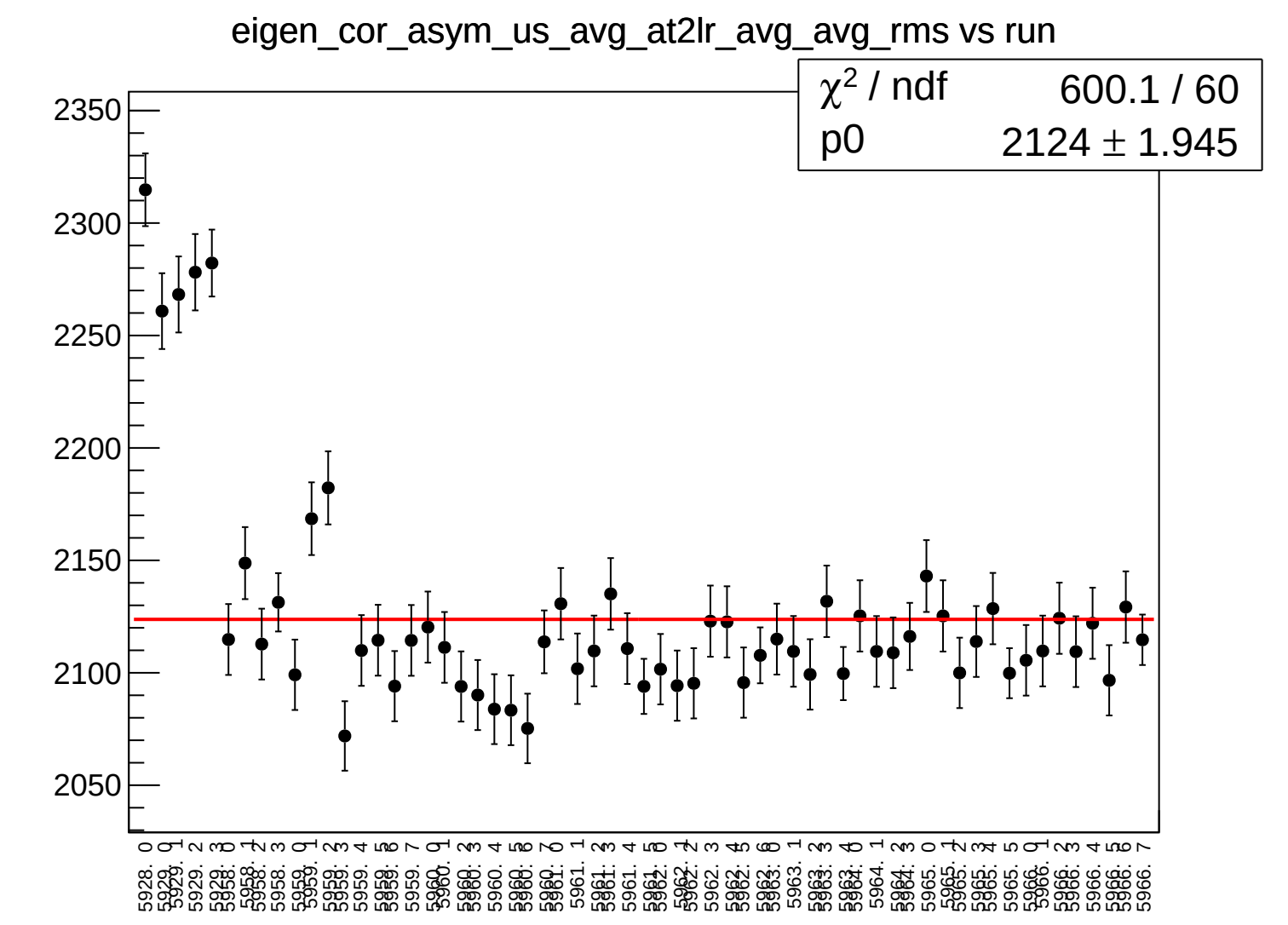

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 68.02 / 60
p0 −1309 ± 1.077e+04
pull
Entries 61
Mean 23.63
Std Dev 0

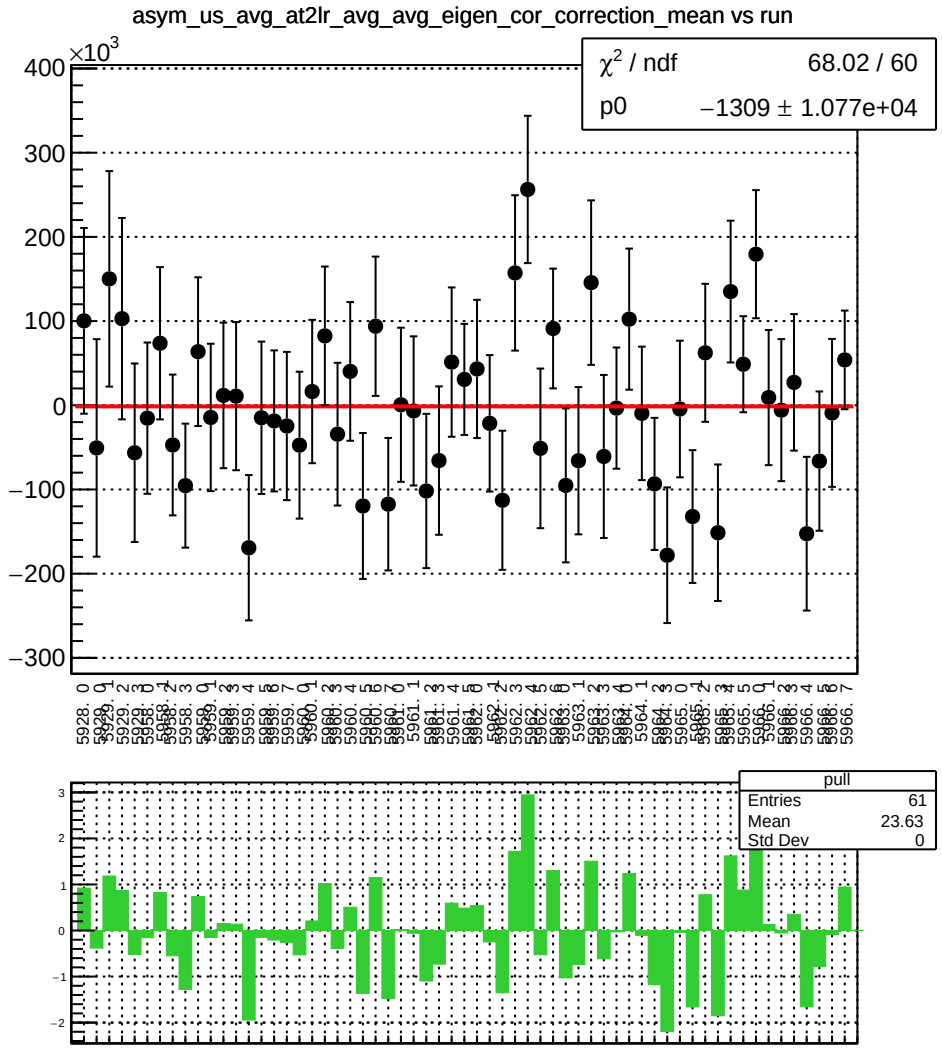

pull1D
Entries 61
Mean −0.004091
Std Dev 1.056

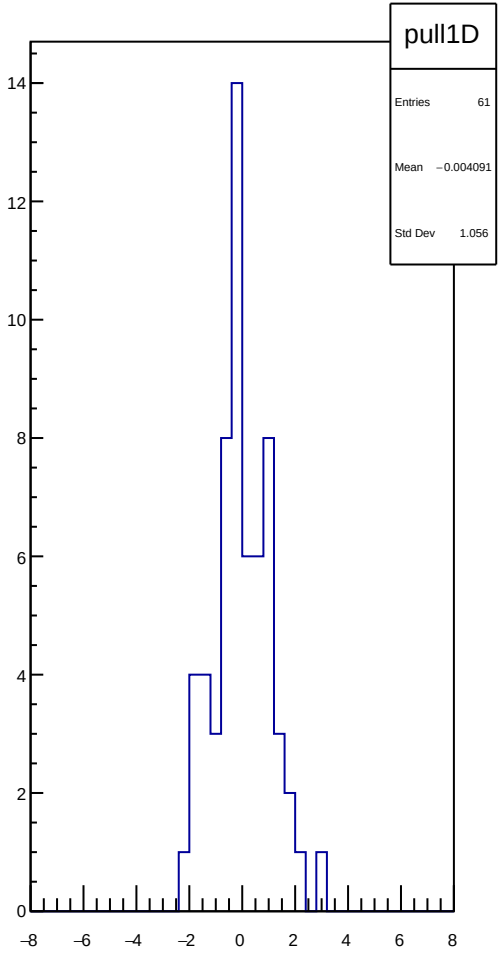

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.193e+04 / 60
p0 8272 ± 7.612
12000
11000
10000
9000
8000
7000

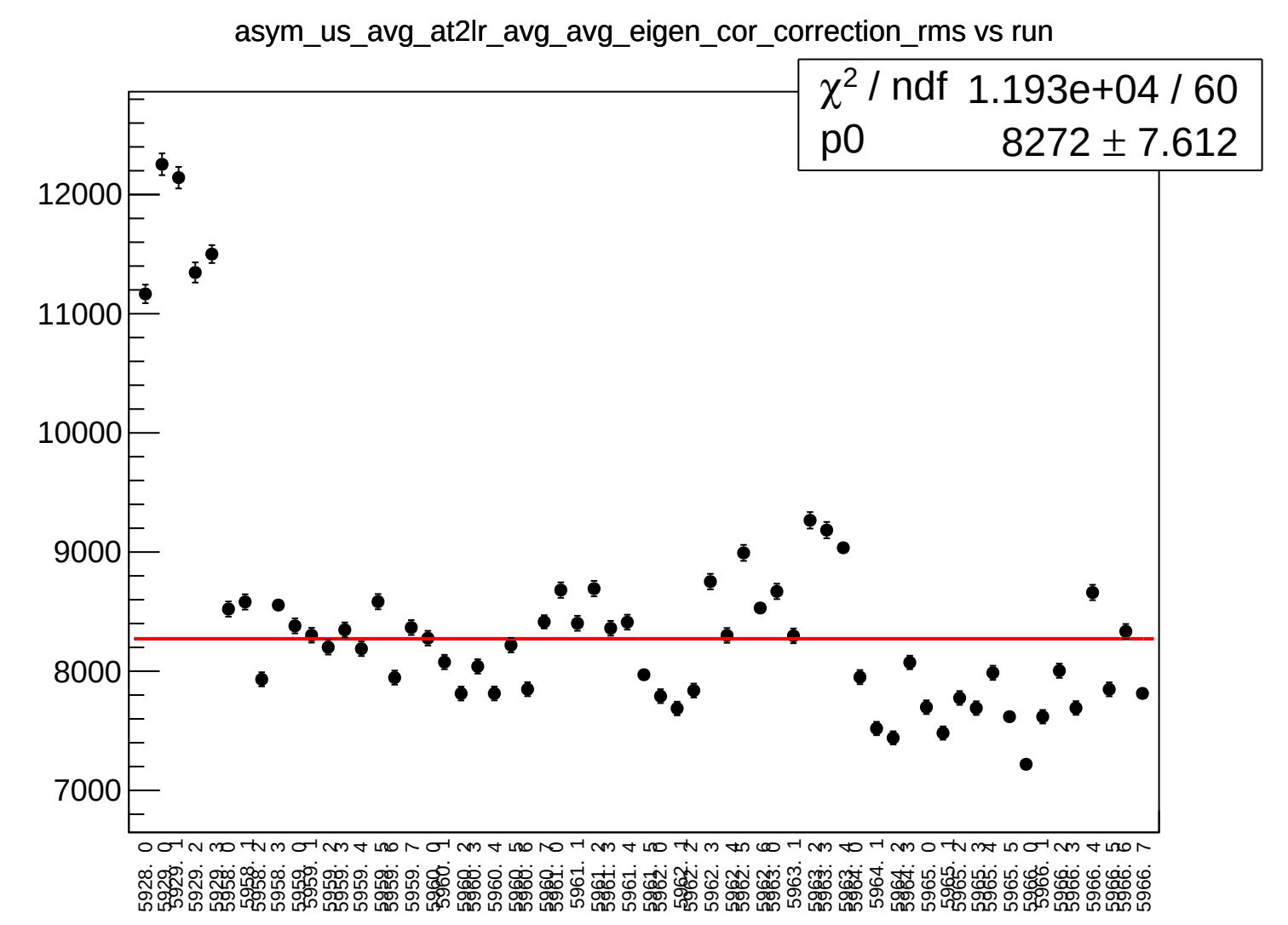

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 65.11 / 60
p0 −5580 ± 2751
pull
Entries 61
Mean −150.3
Std Dev 0

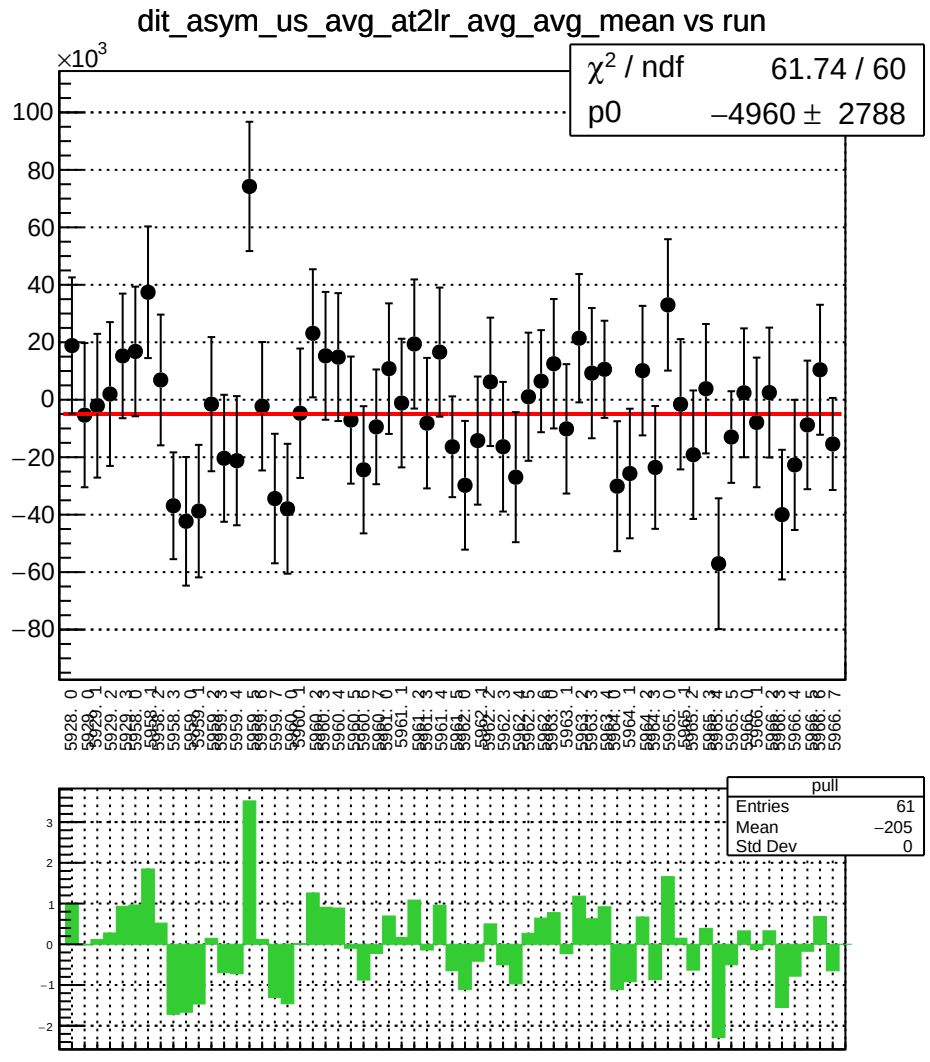

pull1D
Entries 61
Mean 0.01142
Std Dev 1.033

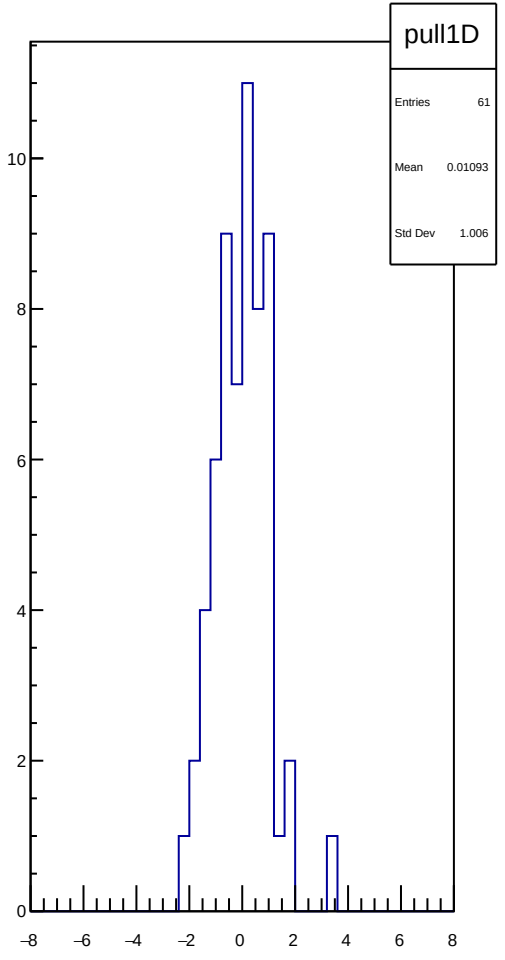

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 600.1 / 60
p0 2124 ± 1.945
2350
2300
2250
2200
2150
2100
2050

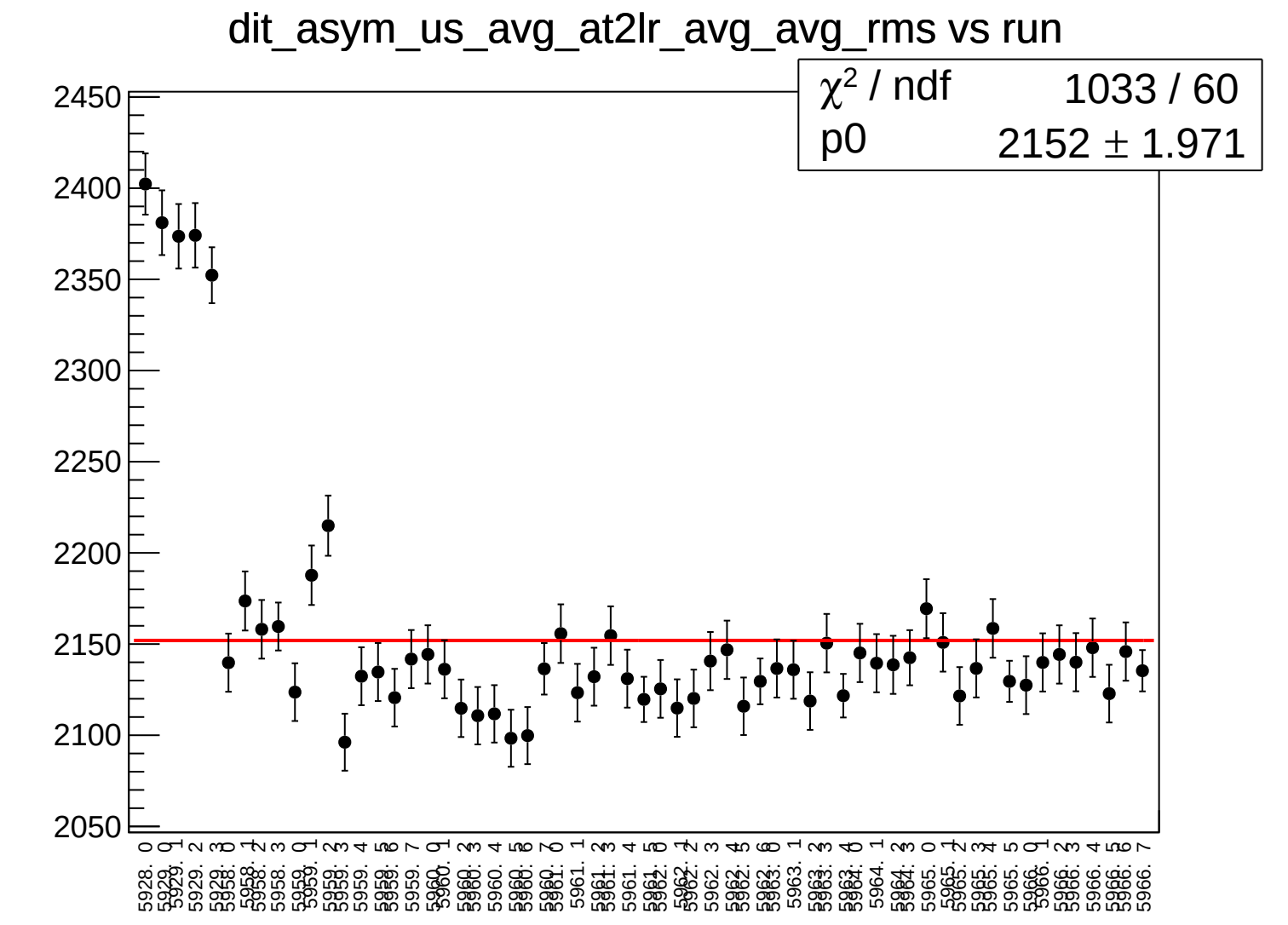

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.02 / 60
p0 −1309 ± 1.077e+04
pull
Entries 61
Mean 23.63
Std Dev 0

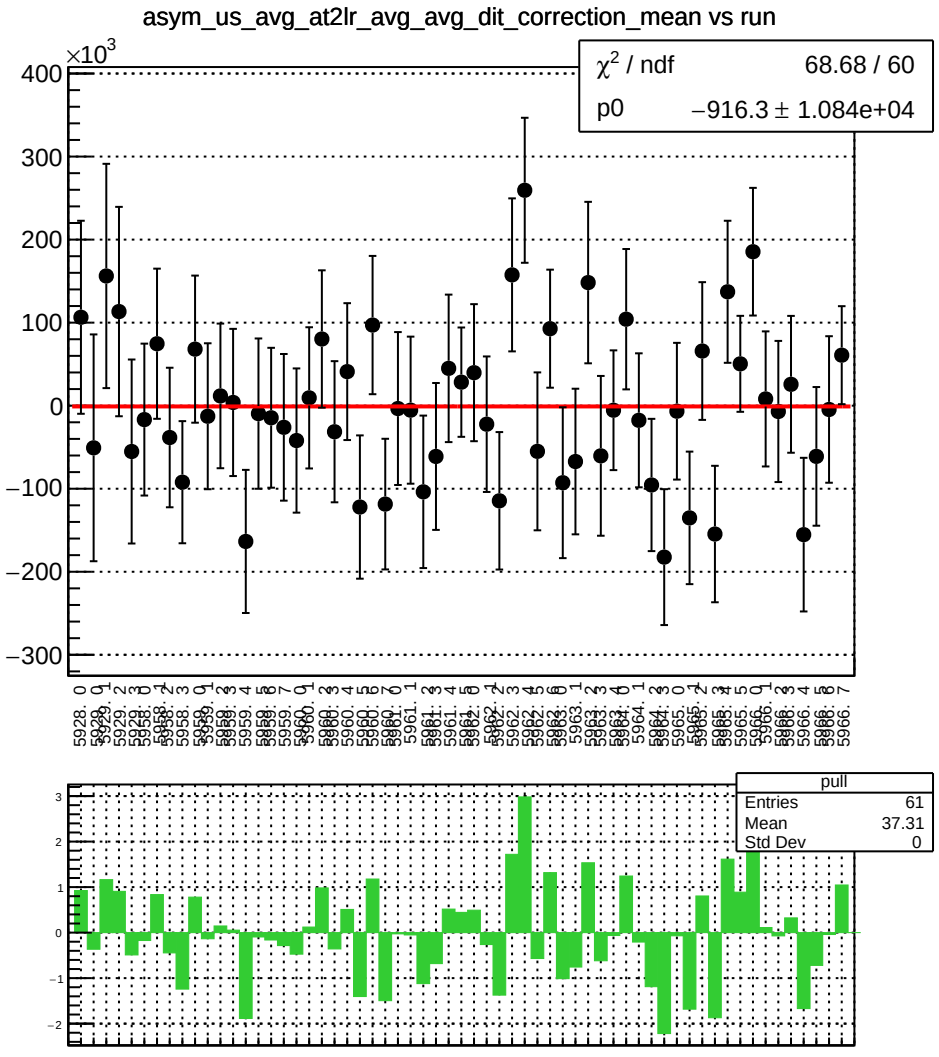

pull1D
Entries 61
Mean −0.004091
Std Dev 1.056

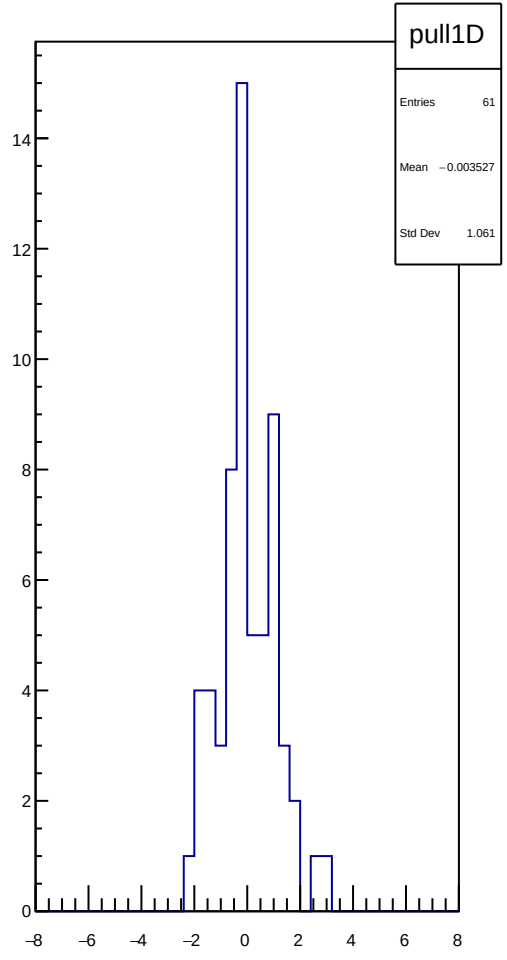

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.193e+04 / 60
p0 8272 ± 7.612
12000
11000
10000
9000
8000
7000

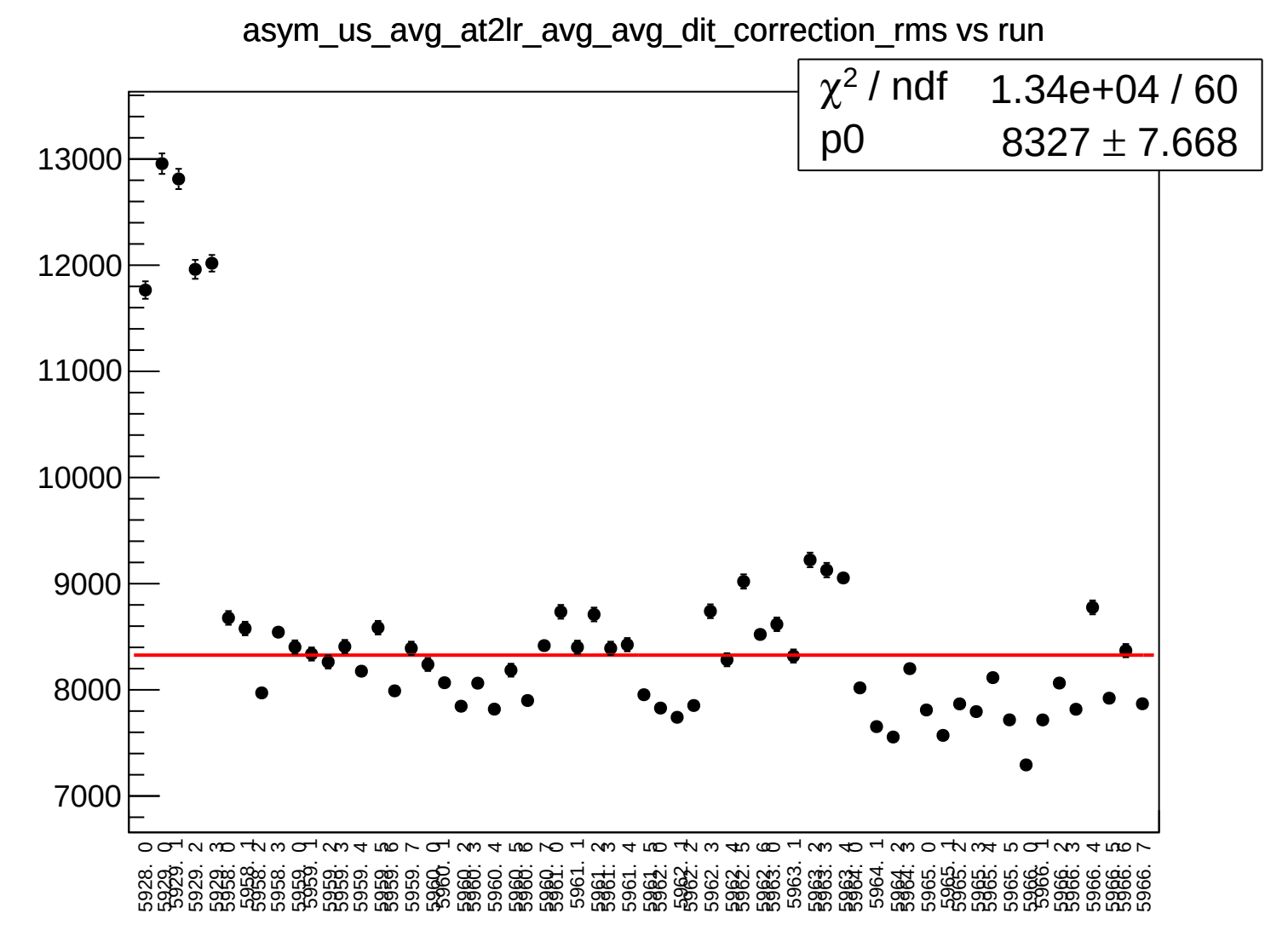

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 61.74 / 60
p0 −4960 ± 2788
pull
Entries 61
Mean −205
Std Dev 0

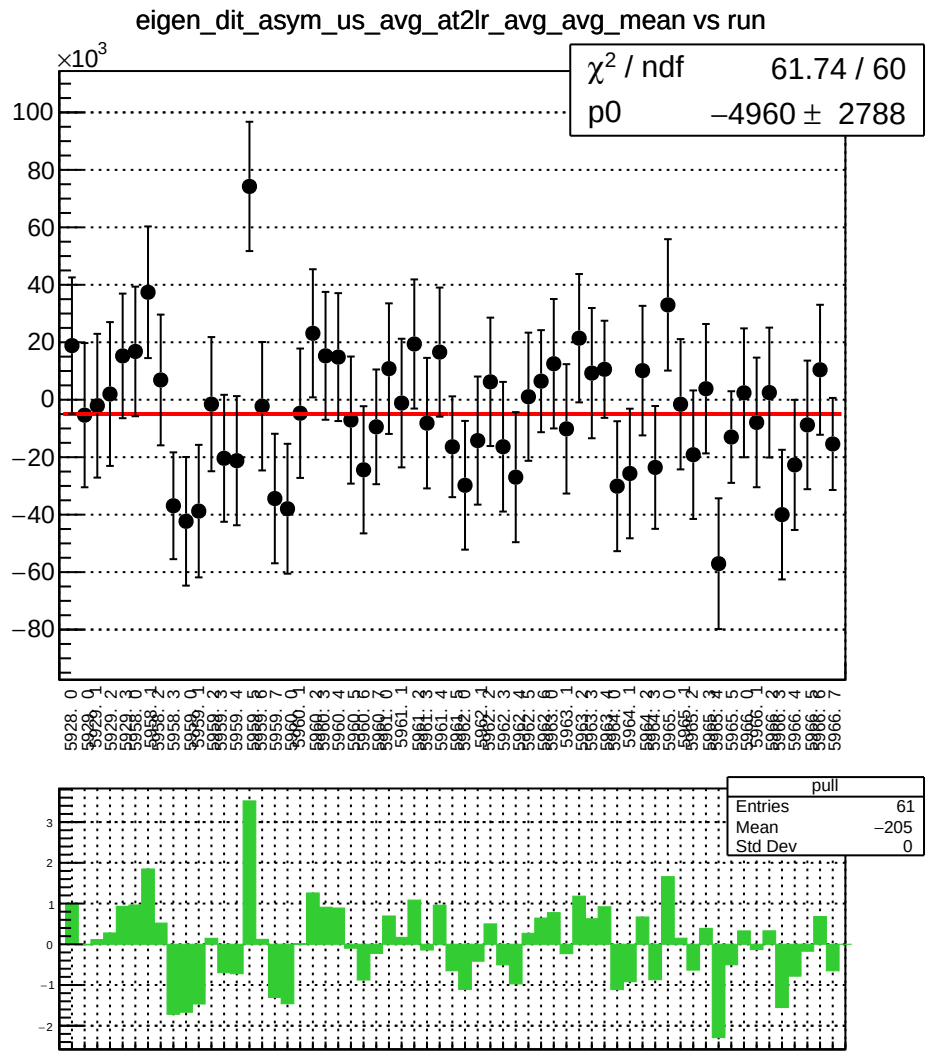

pull1D
Entries 61
Mean 0.01093
Std Dev 1.006

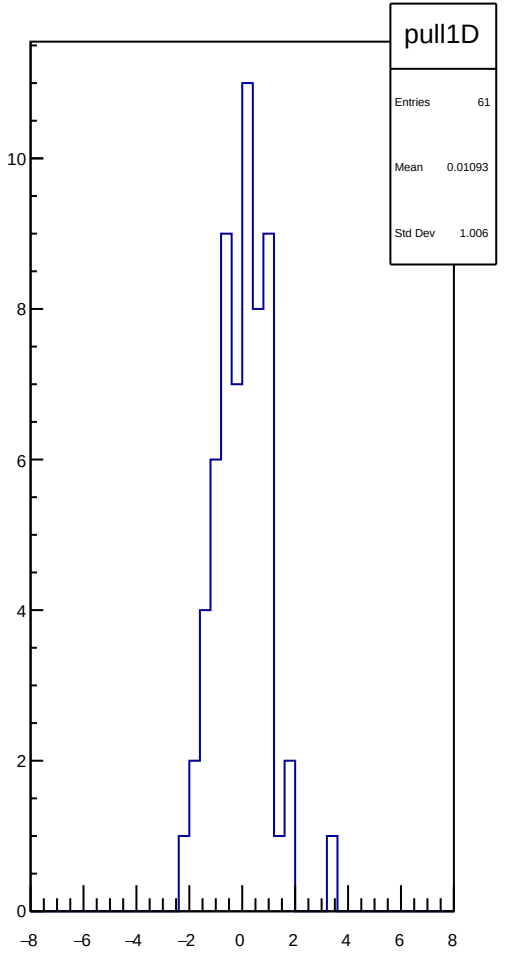

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1033 / 60
p0 2152 ± 1.971
2450
2400
2350
2300
2250
2200
2150
2100
2050

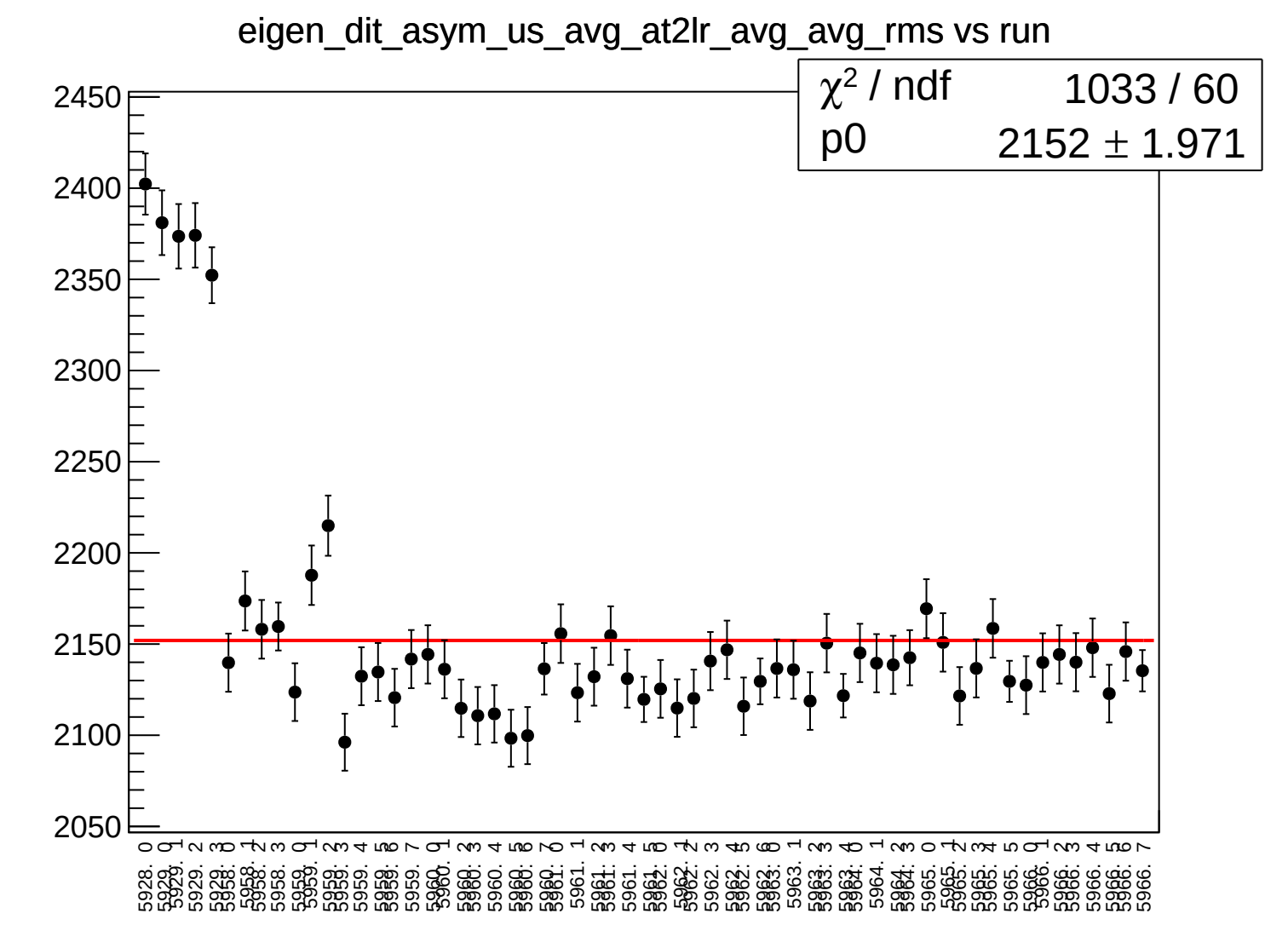

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
χ² / ndf 68.68 / 60
p0 −916.3 ± 1.084e+04
pull
Entries 61
Mean 37.31
Std Dev 0

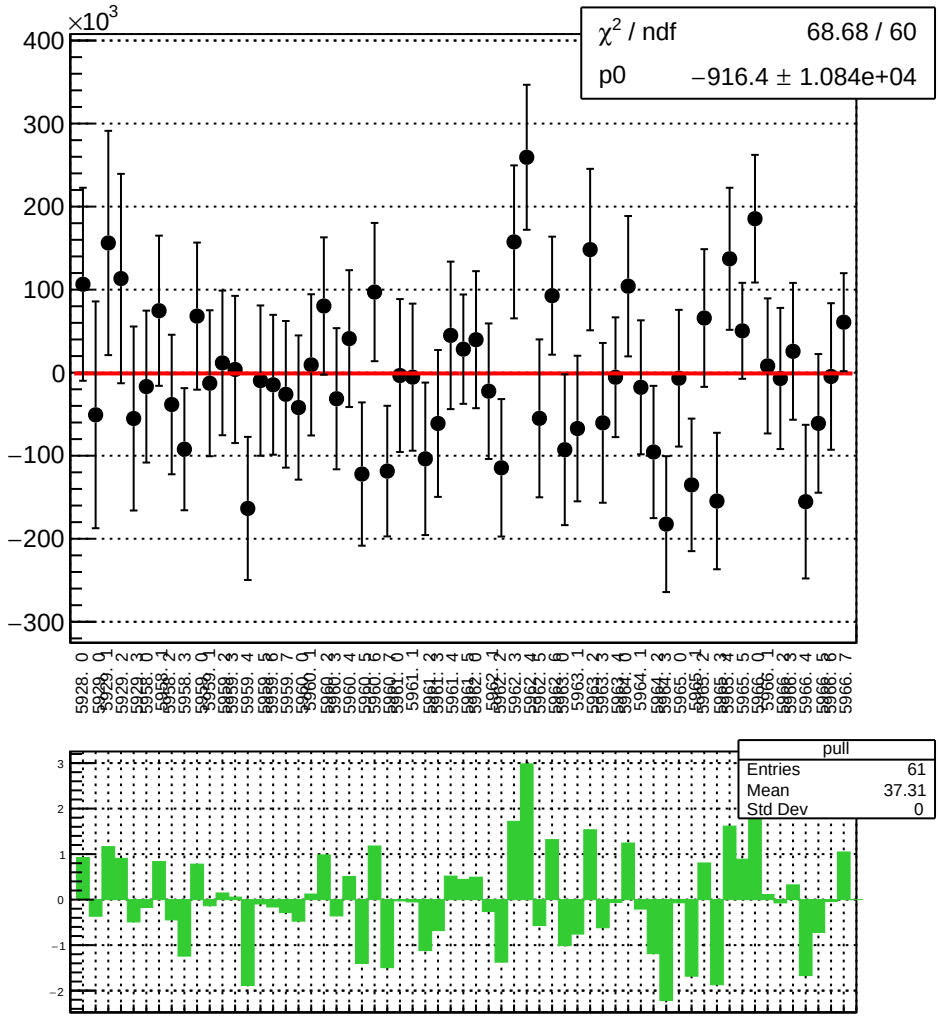

pull1D
Entries 61
Mean −0.003527
Std Dev 1.061

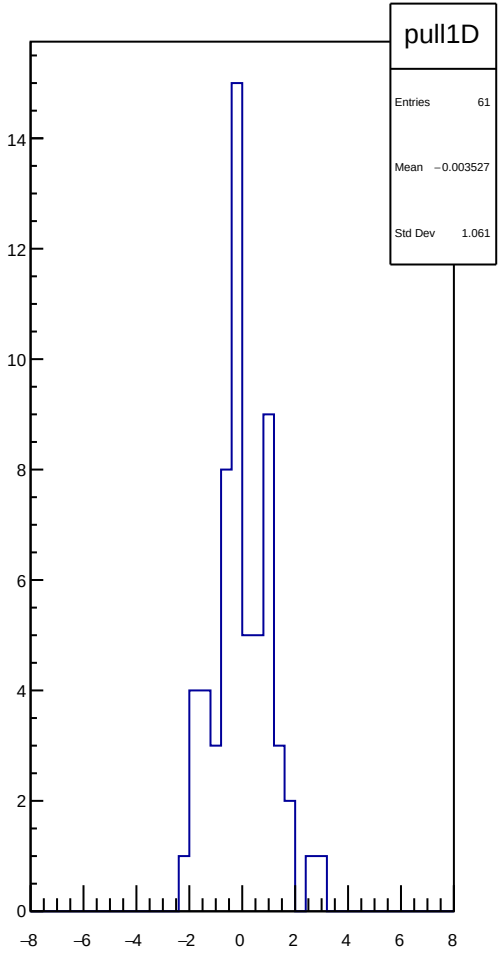

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.34e+04 / 60
p0 8327 ± 7.668
13000
12000
11000
10000
9000
8000
7000

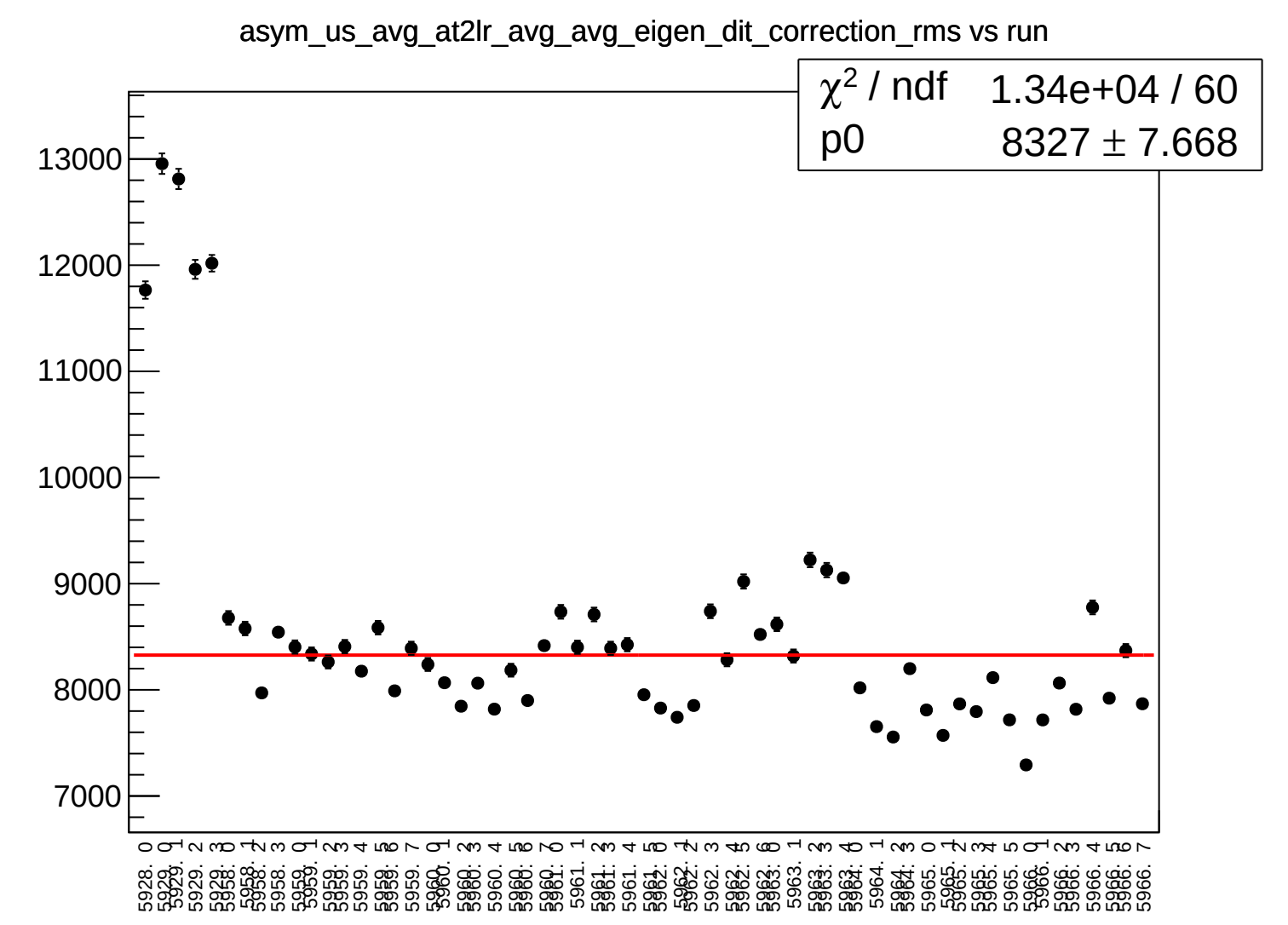

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 61.74 / 60
p0 −4960 ± 2788
pull
Entries 61
Mean −205
Std Dev 0

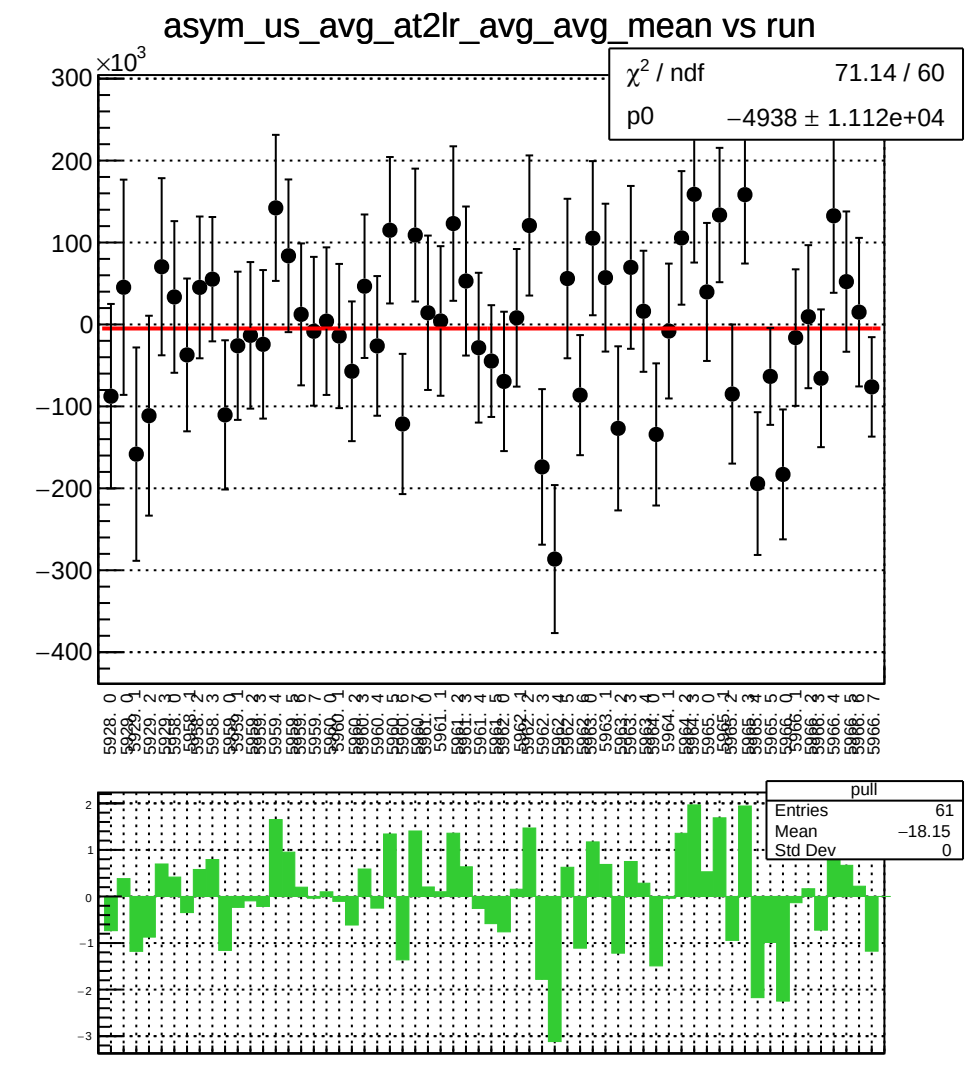

pull1D
Entries 61
Mean 0.01093
Std Dev 1.006

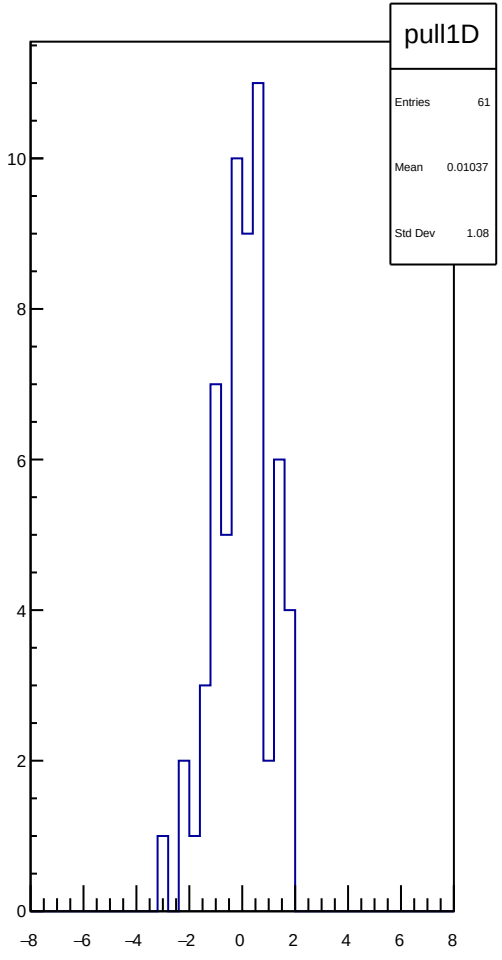

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1033 / 60
p0 2152 ± 1.971
2450
2400
2350
2300
2250
2200
2150
2100
2050

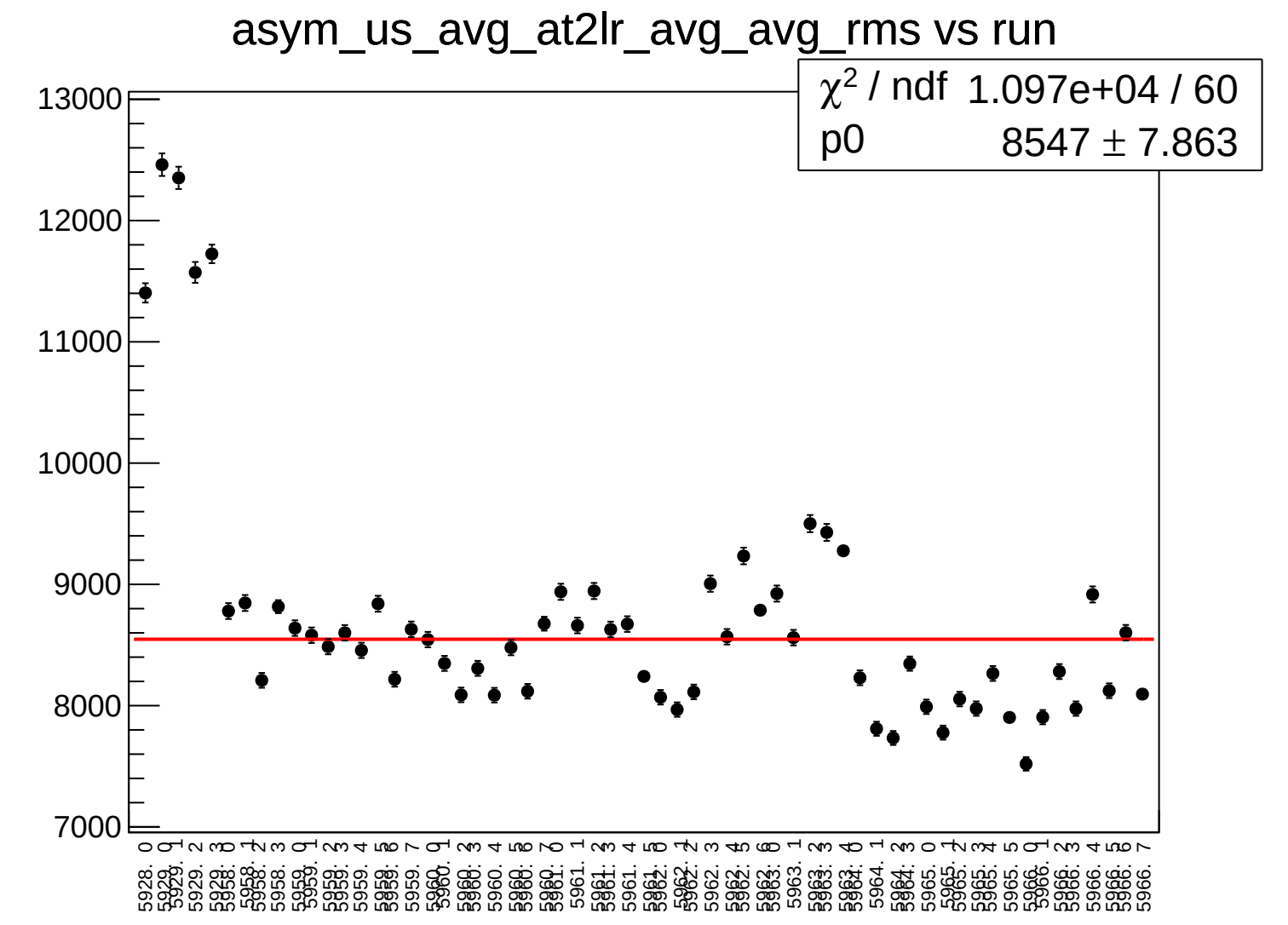

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 −916.4 ± 1.084e+04
pull
Entries 61
Mean 37.31
Std Dev 0

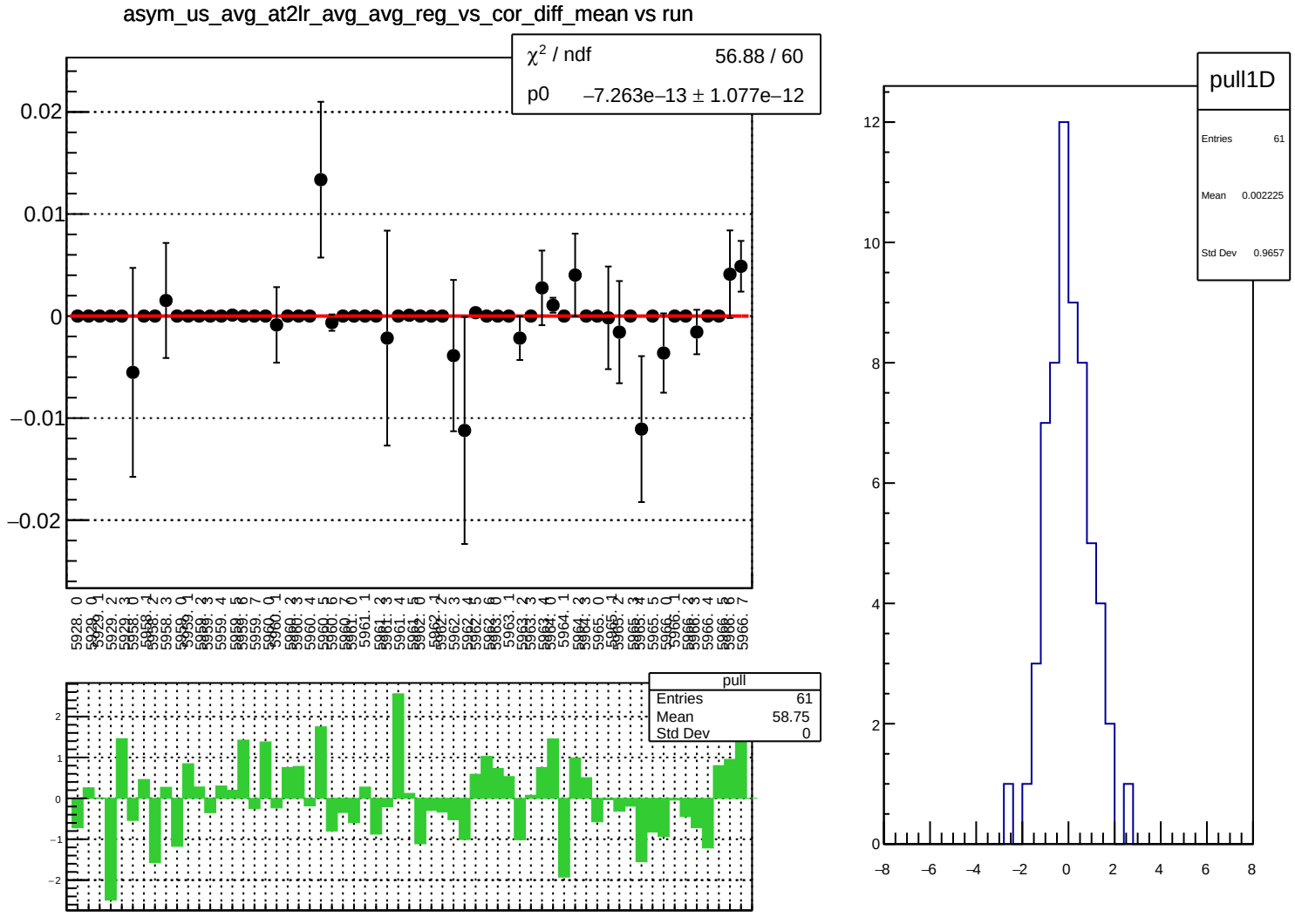

pull1D
Entries 61
Mean −0.003527
Std Dev 1.061

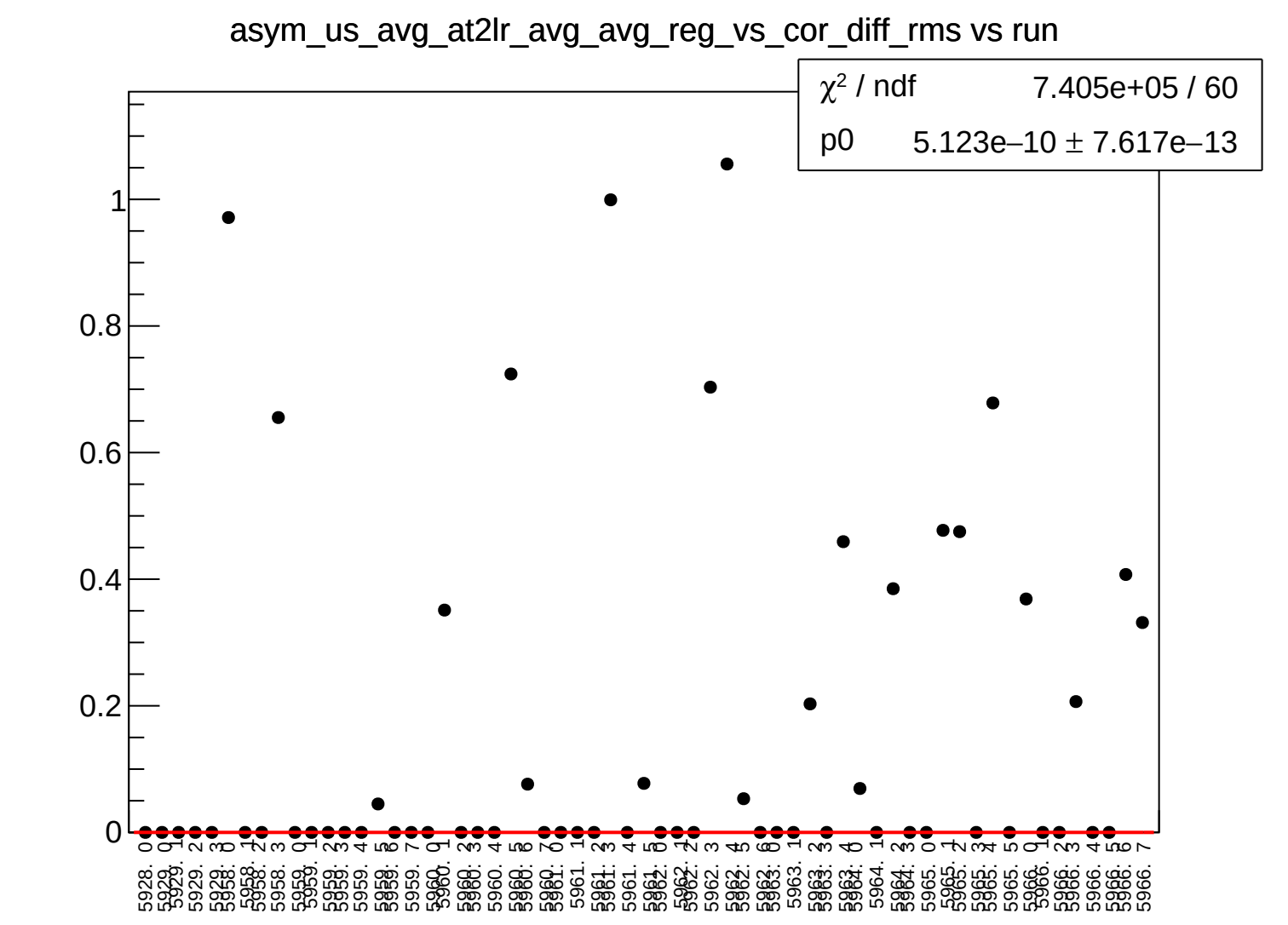

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.34e+04 / 60
p0 8327 ± 7.668
13000
12000
11000
10000
9000
8000
7000

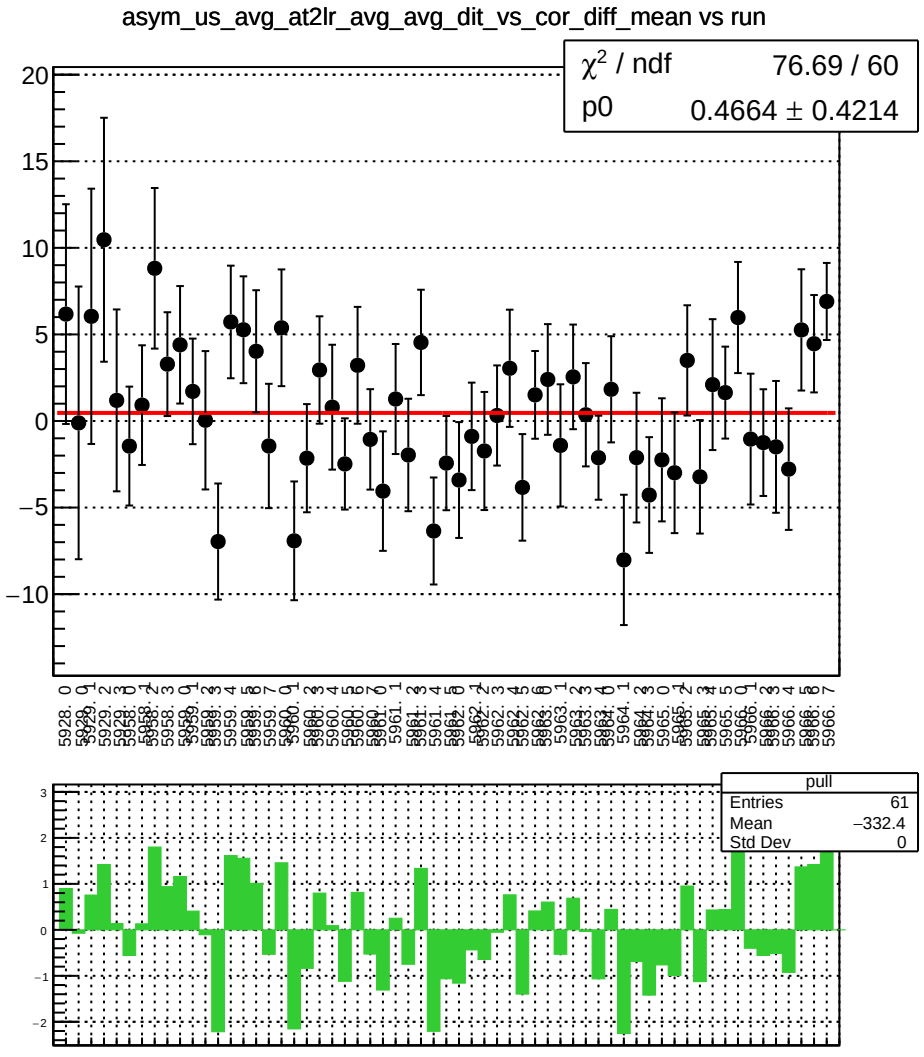

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 71.14 / 60
p0 −4938 ± 1.112e+04
pull
Entries 61
Mean −18.15
Std Dev 0

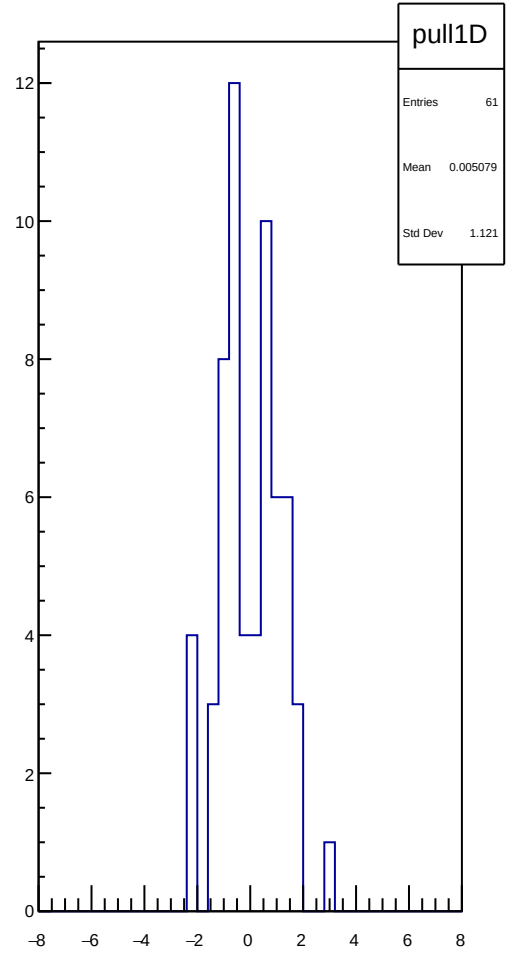

pull1D
Entries 61
Mean 0.01037
Std Dev 1.08

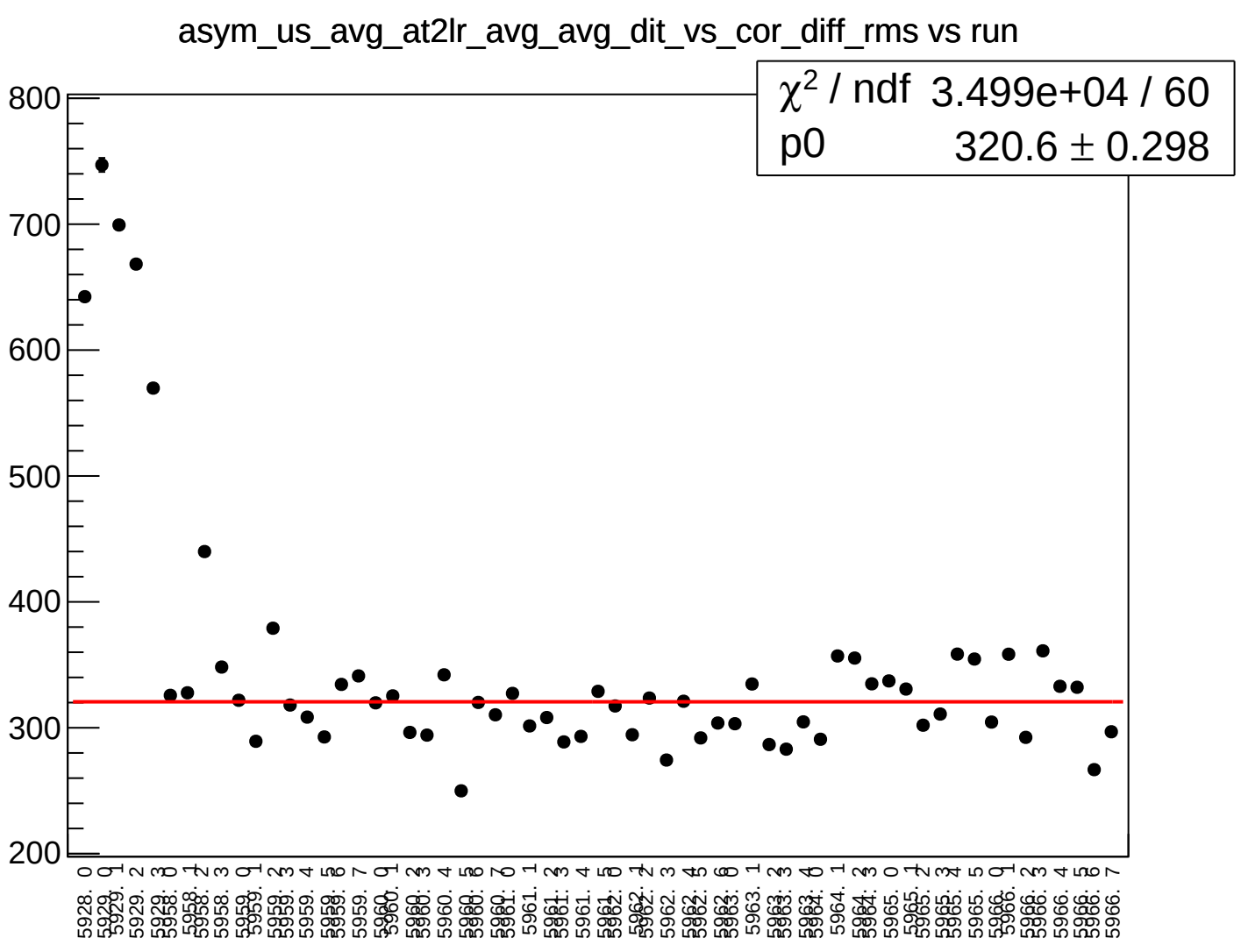

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1.097e+04 / 60
p0 8547 ± 7.863
13000
12000
11000
10000
9000
8000
7000

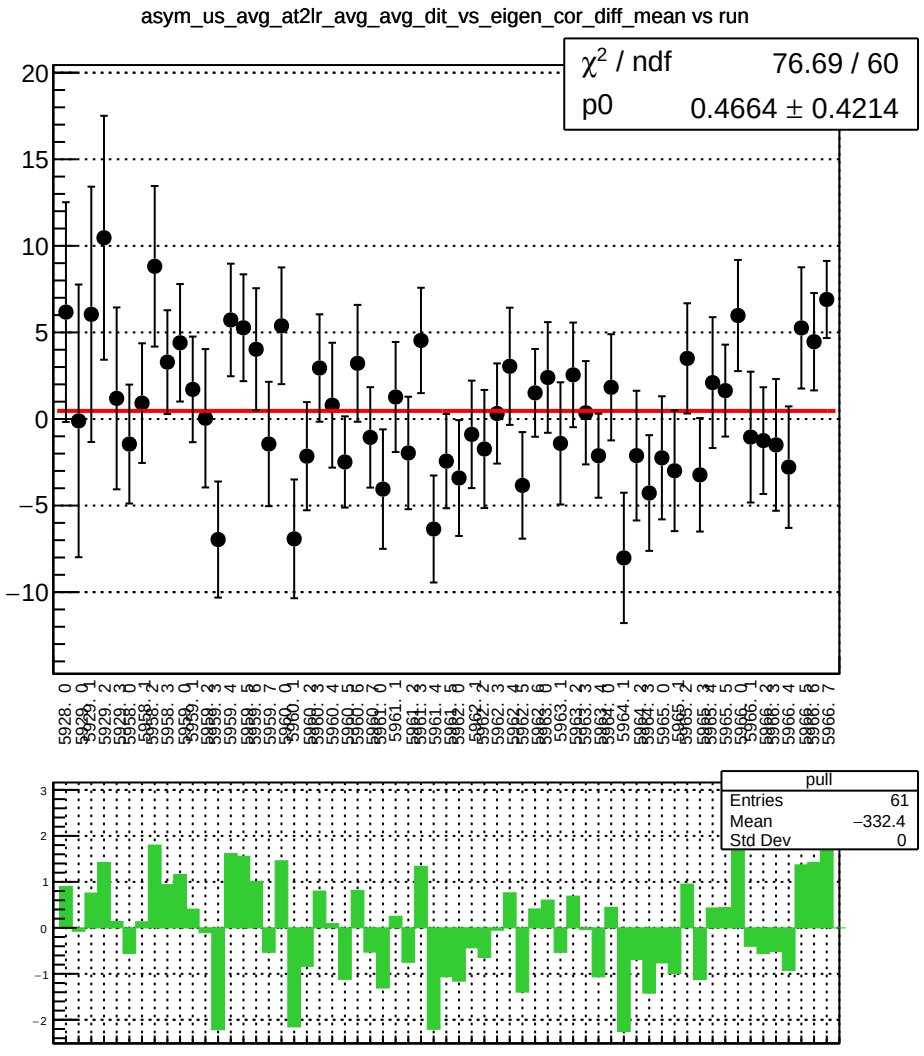

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.88 / 60
p0 −7.263e−13 ± 1.077e−12
0.02
0.01
0
−0.01
−0.02
pull
Entries 61
Mean 58.75
Std Dev 0
pull1D
Entries 61
Mean 0.002225
Std Dev 0.9657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

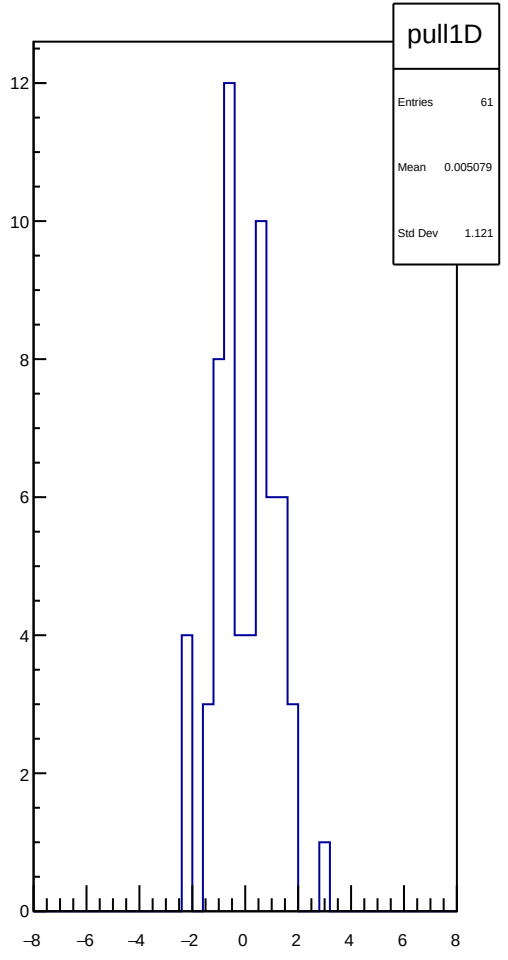

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.405e+05 / 60
p0 5.123e−10 ± 7.617e−13
1
0.8
0.6
0.4
0.2
0

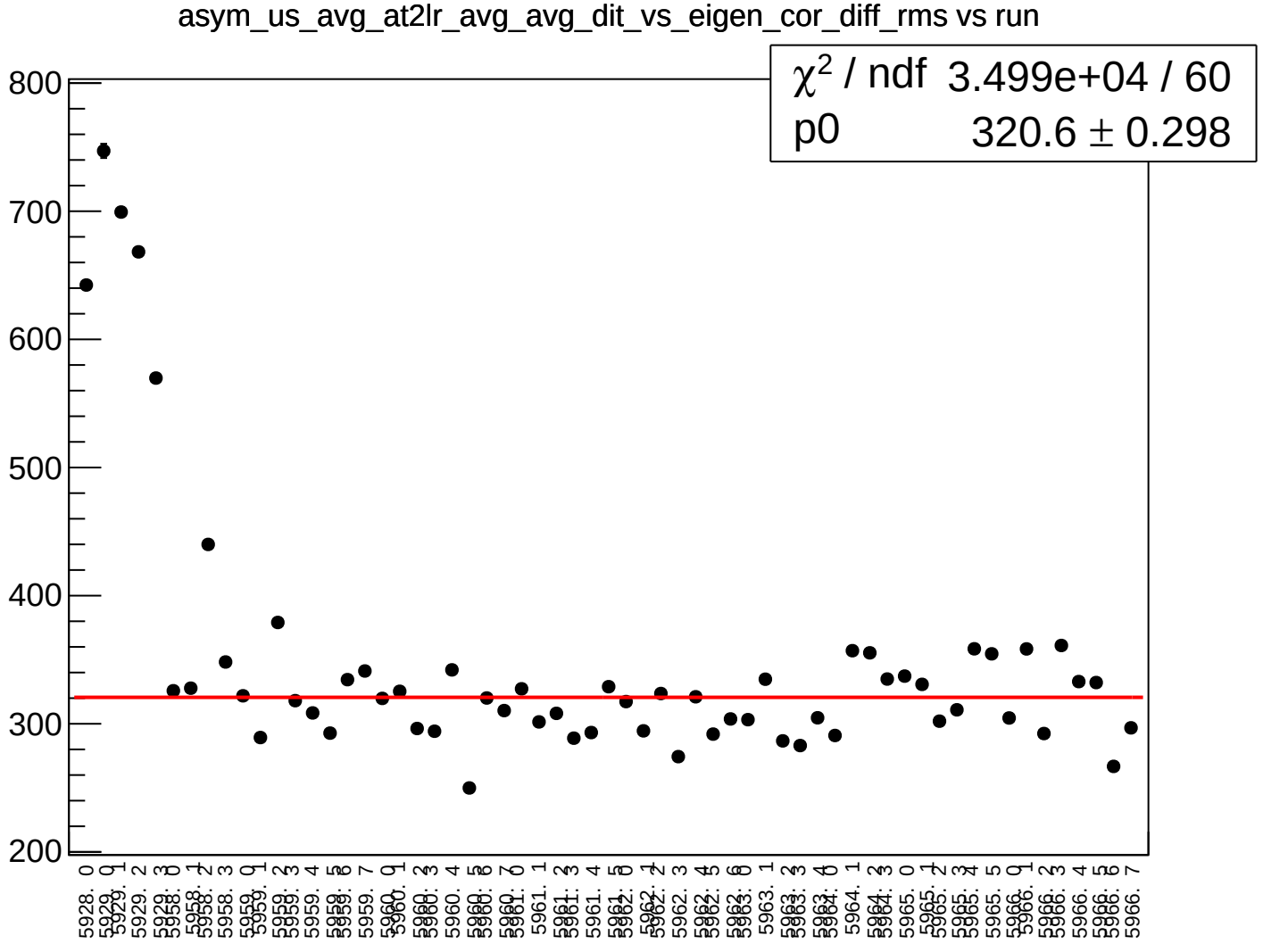

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.69 / 60
p0 0.4664 ± 0.4214
pull
Entries 61
Mean −332.4
Std Dev 0

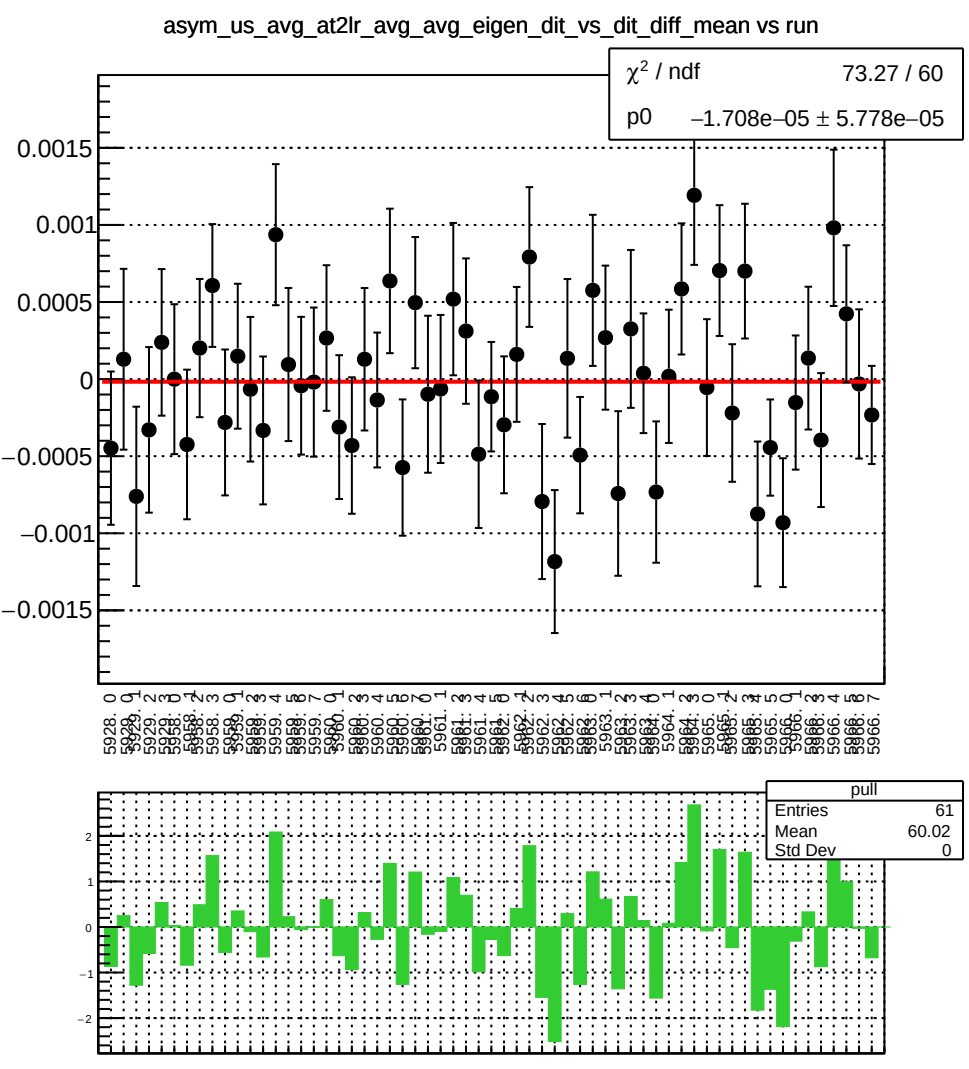

pull1D
Entries 61
Mean 0.005079
Std Dev 1.121

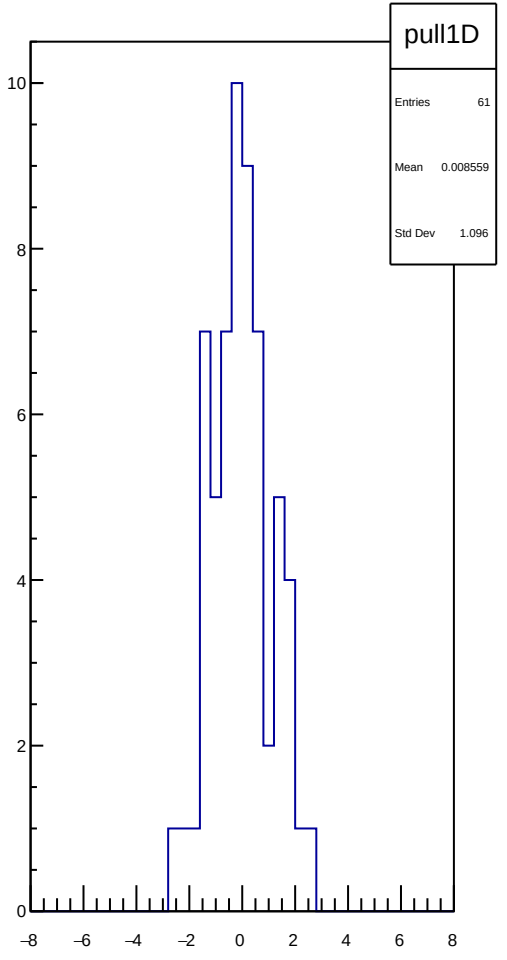

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.499e+04 / 60
p0 320.6 ± 0.298
800
700
600
500
400
300
200

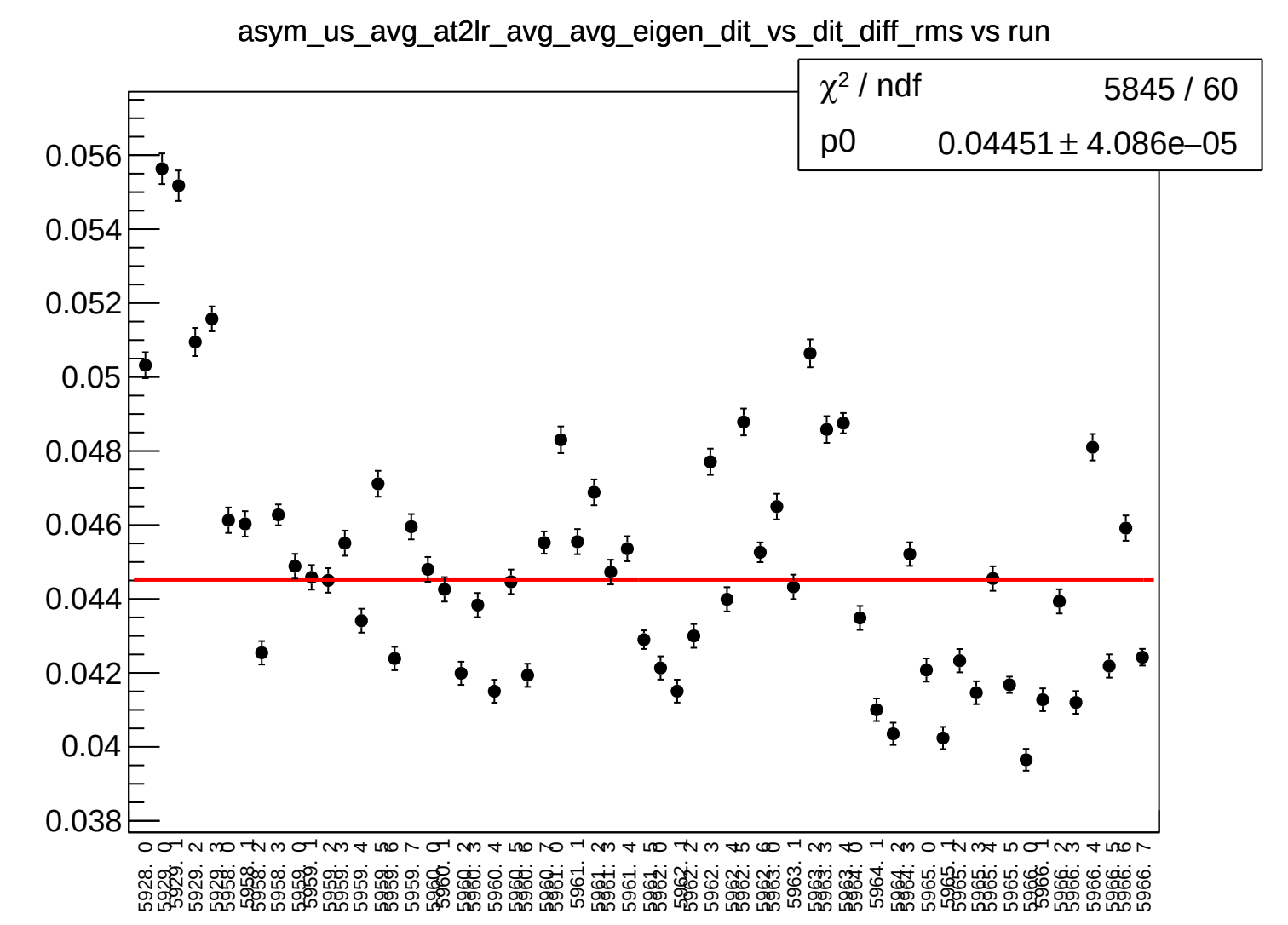

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.69 / 60
p0 0.4664 ± 0.4214
pull
Entries 61
Mean −332.4
Std Dev 0

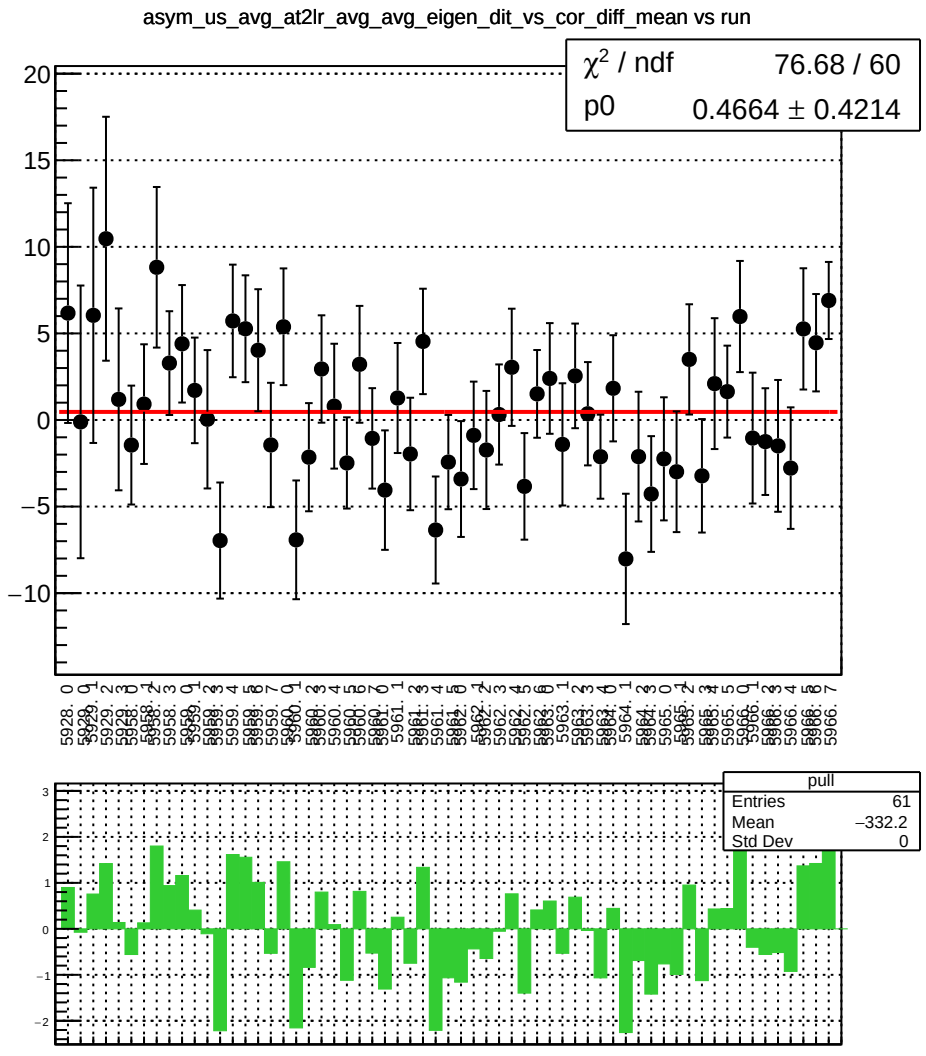

pull1D
Entries 61
Mean 0.005079
Std Dev 1.121

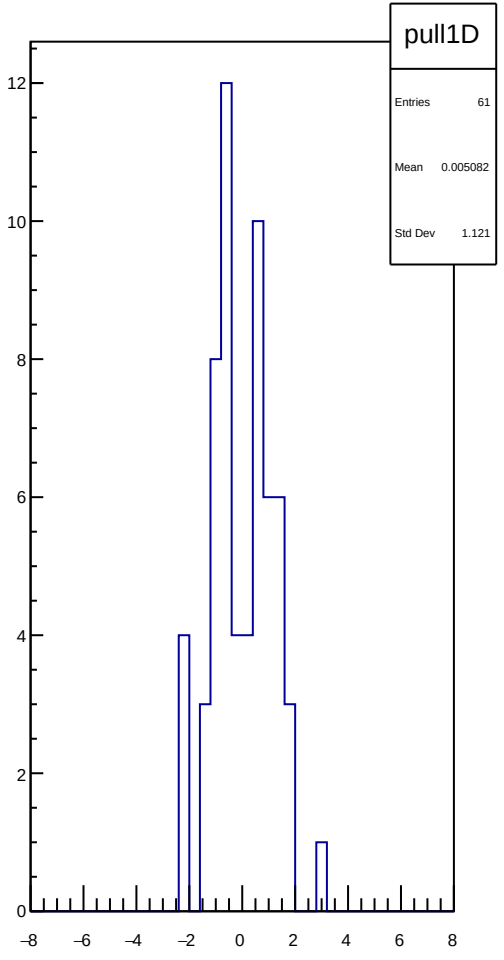

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.499e+04 / 60
p0 320.6 ± 0.298
800
700
600
500
400
300
200

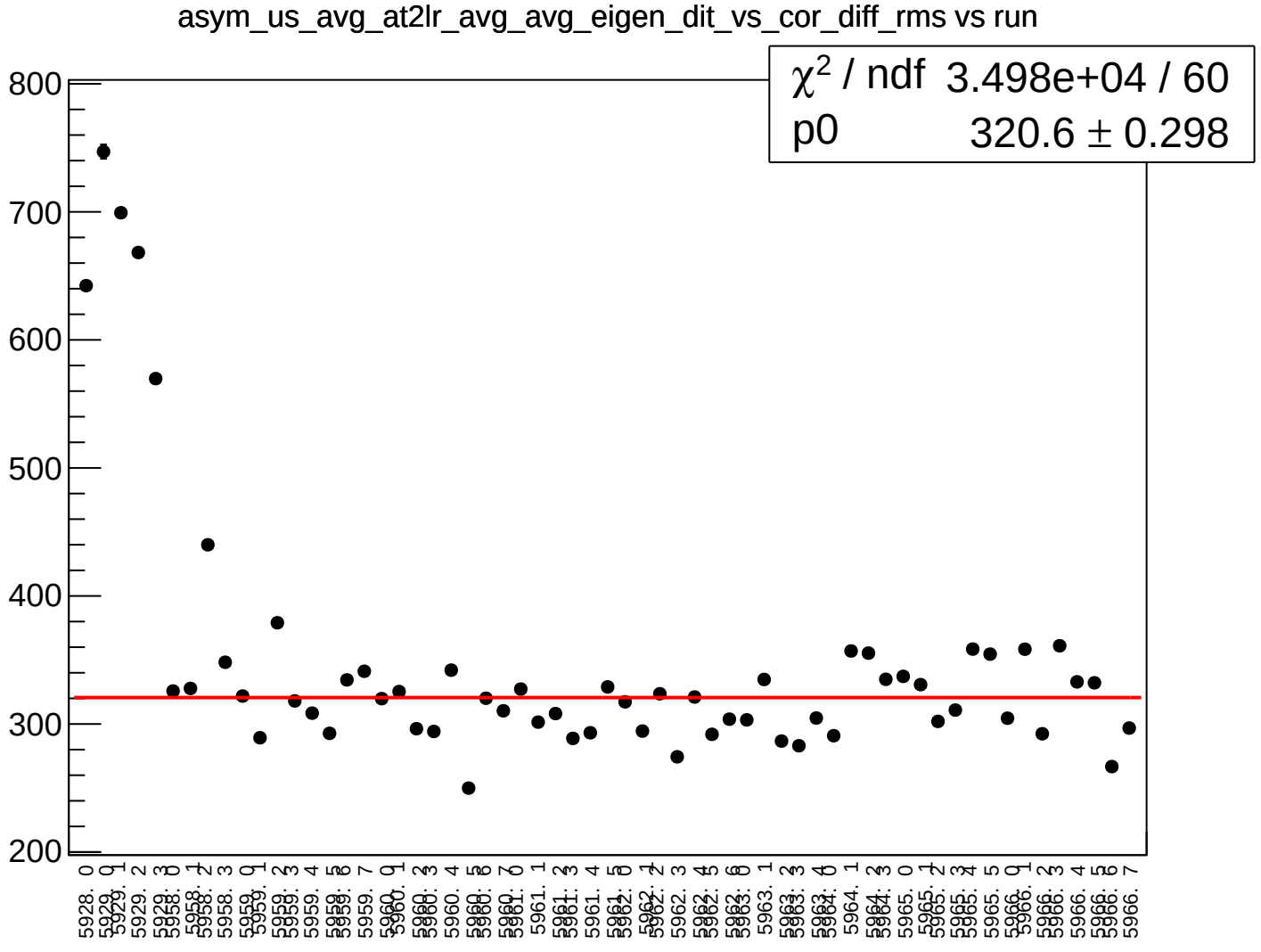

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.27 / 60
p0 −1.708e−05 ± 5.778e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 60.02
Std Dev 0
2
1
0
−1
−2

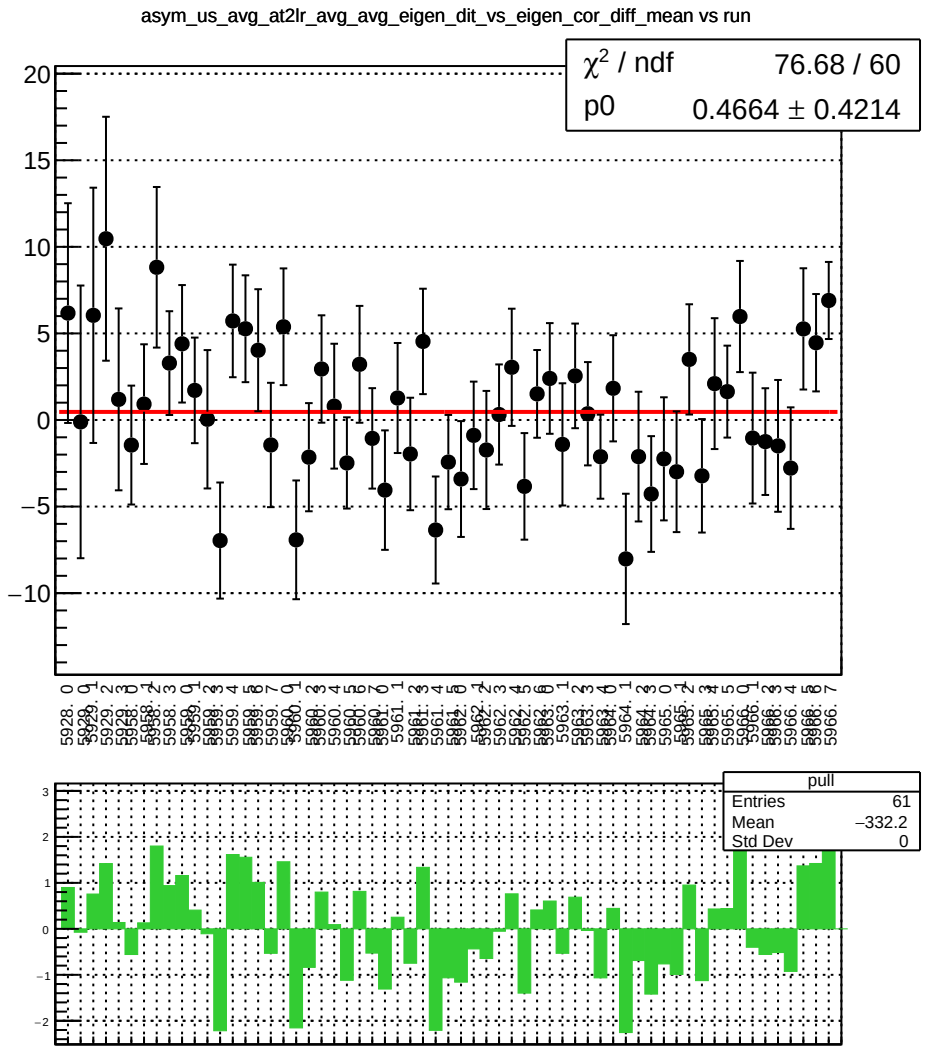

pull1D
Entries 61
Mean 0.008559
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

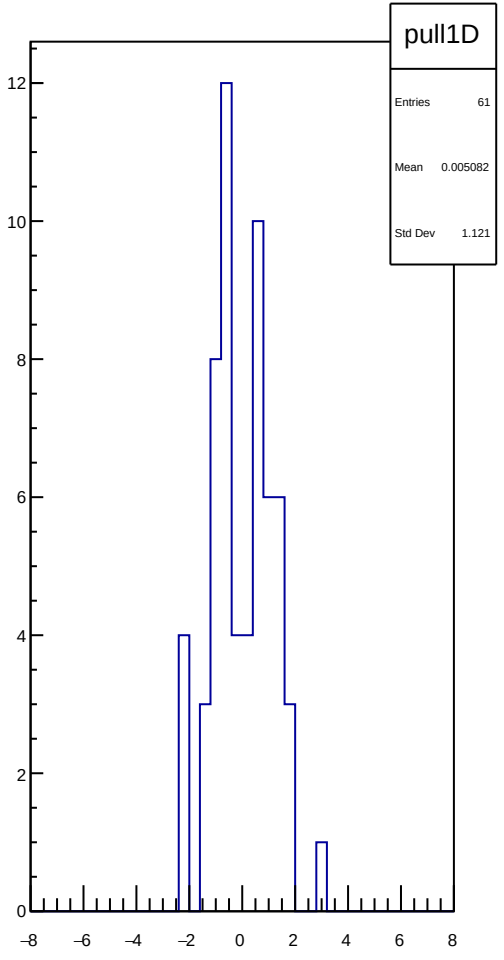

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5845 / 60
p0 0.04451 ± 4.086e−05
0.056
0.054
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038

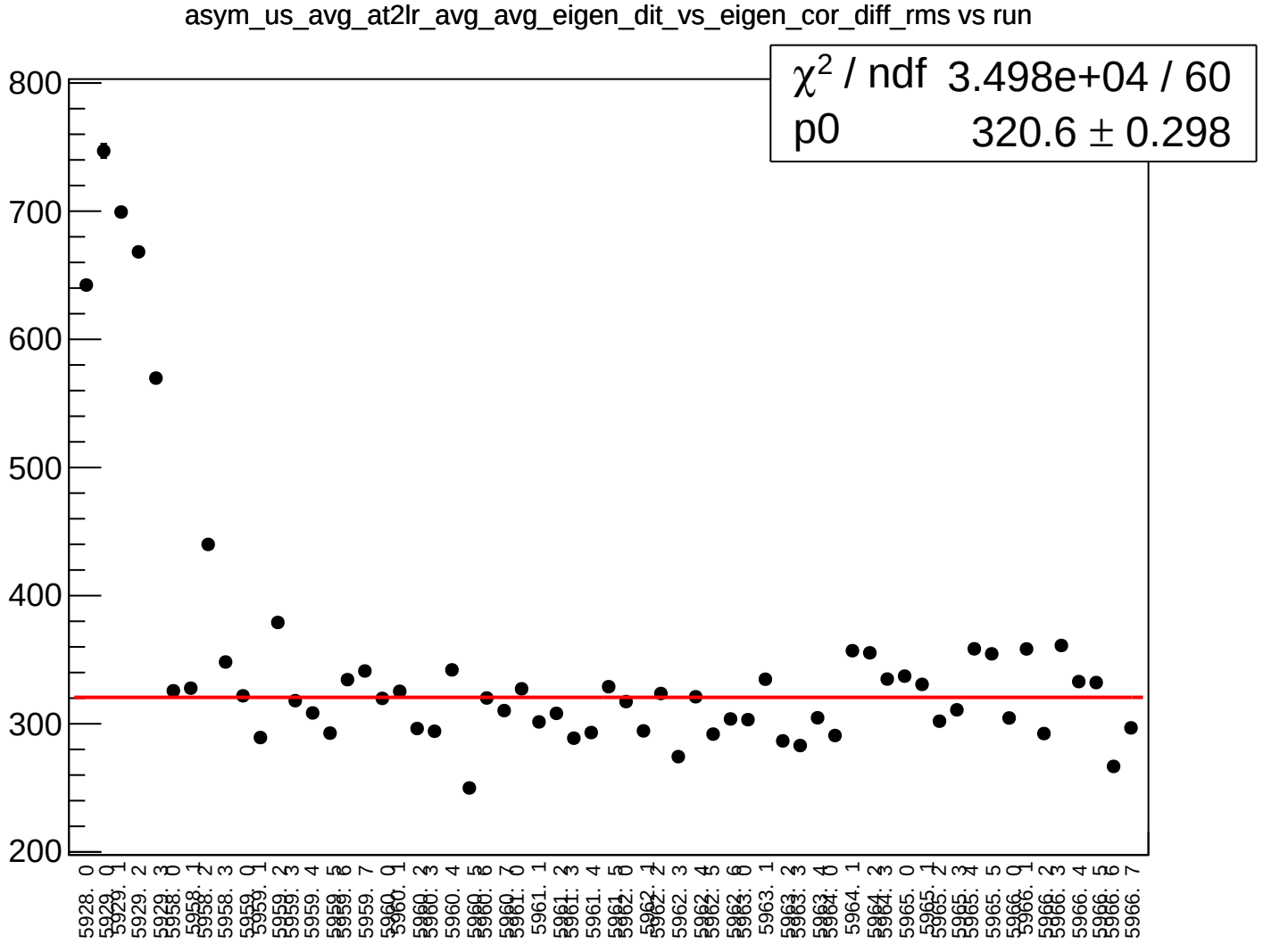

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.68 / 60
p0 0.4664 ± 0.4214
pull
Entries 61
Mean −332.2
Std Dev 0

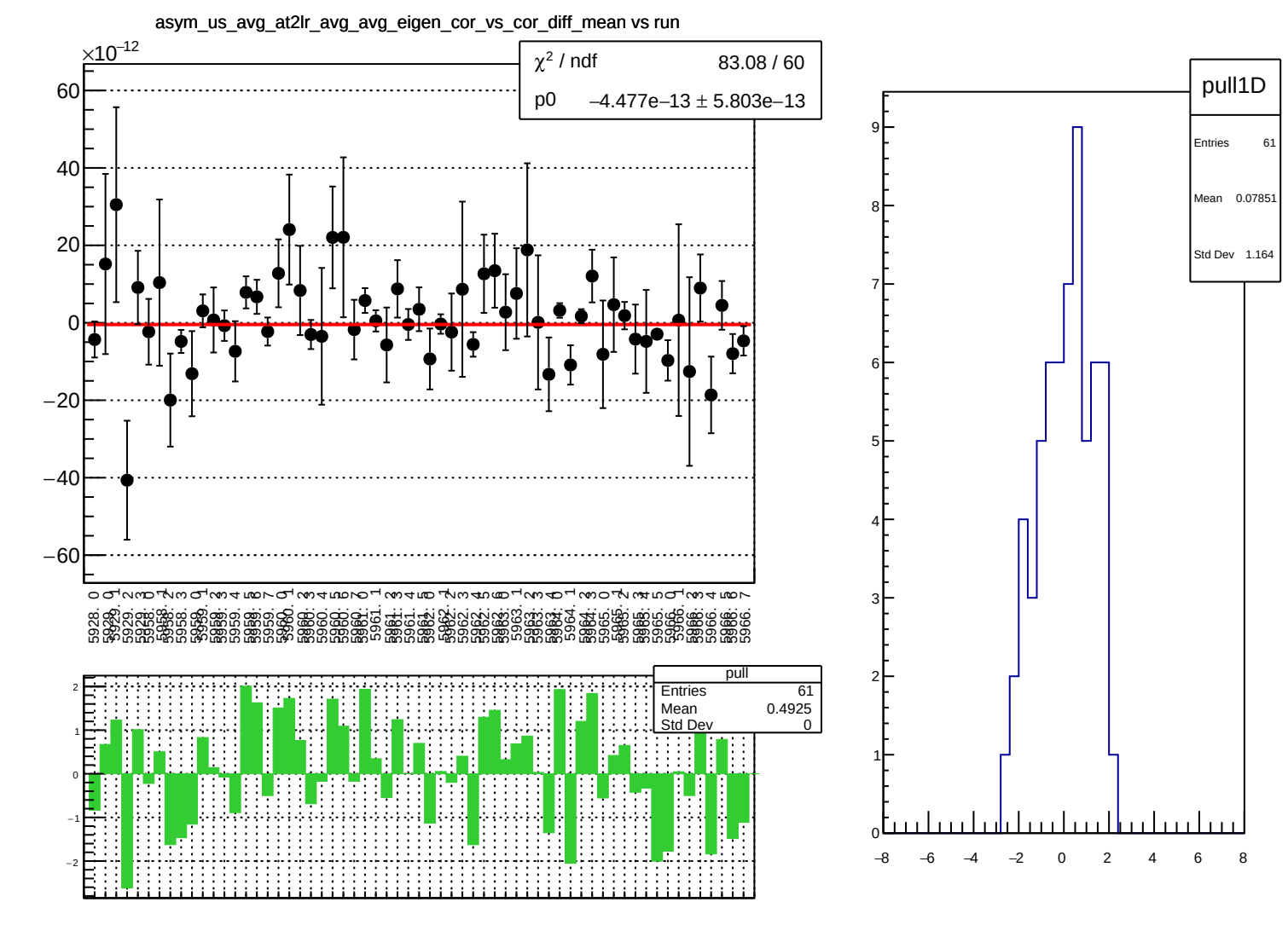

pull1D
Entries 61
Mean 0.005082
Std Dev 1.121

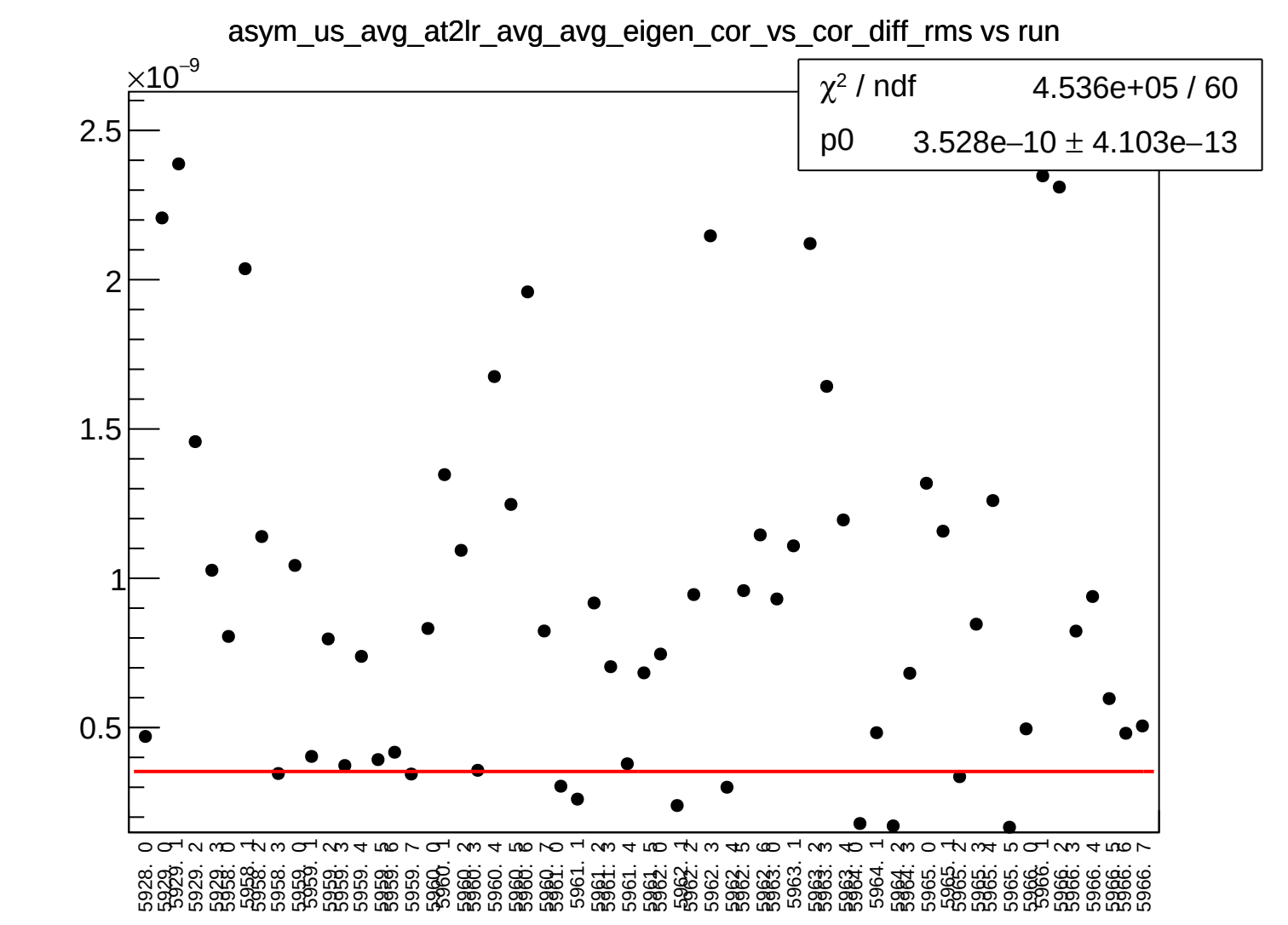

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.498e+04 / 60
p0 320.6 ± 0.298
800
700
600
500
400
300
200

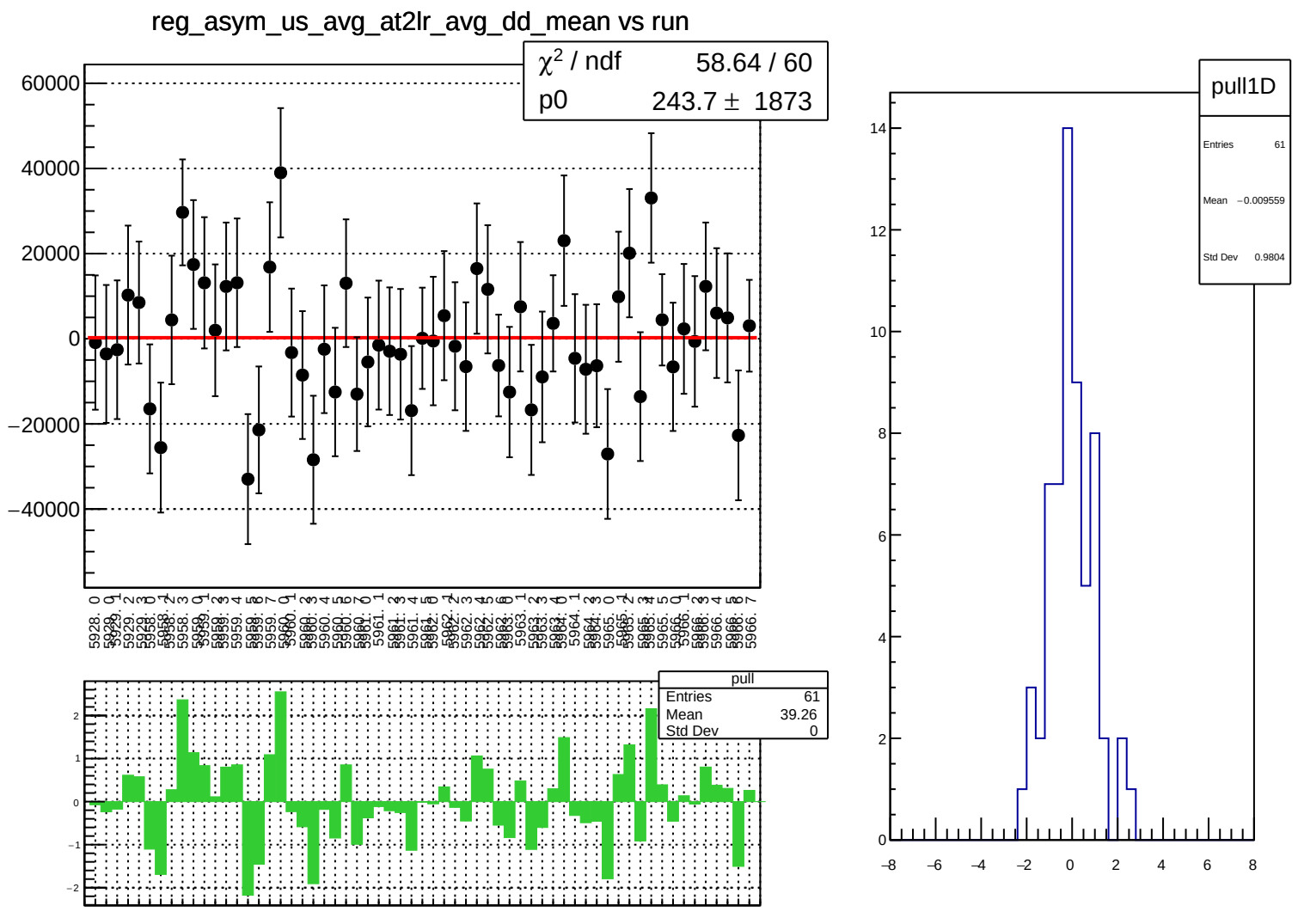

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.68 / 60
p0 0.4664 ± 0.4214
pull
Entries 61
Mean −332.2
Std Dev 0

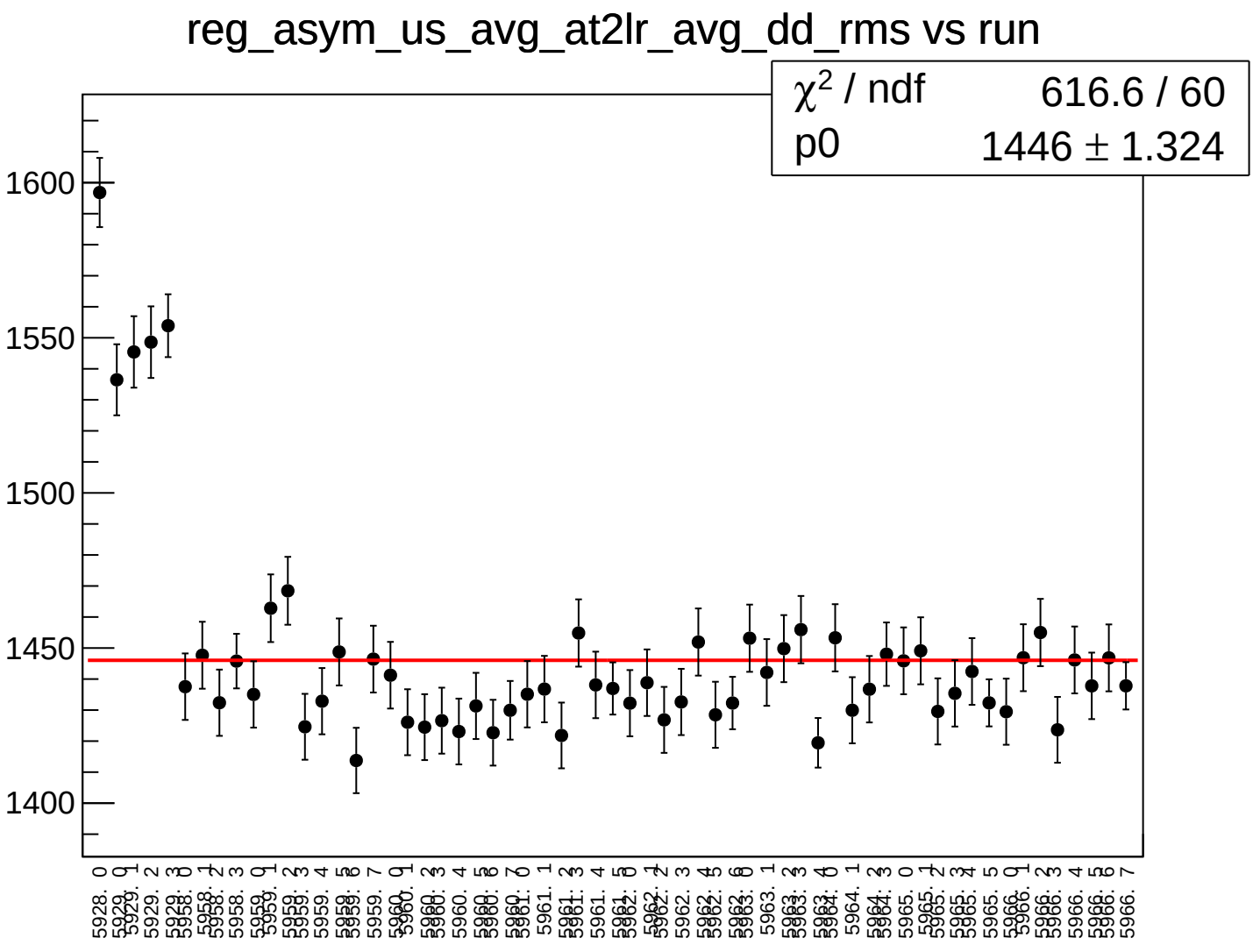

pull1D
Entries 61
Mean 0.005082
Std Dev 1.121

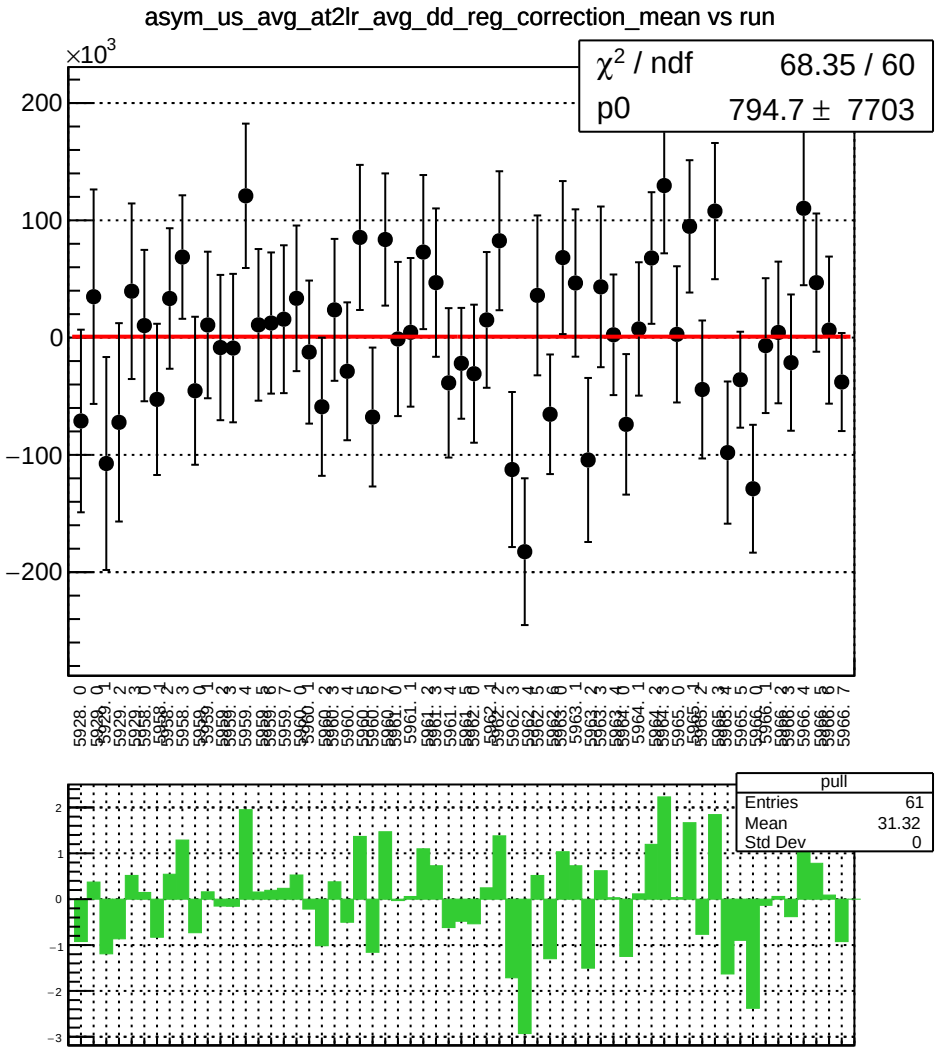

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.498e+04 / 60
p0 320.6 ± 0.298
800
700
600
500
400
300
200

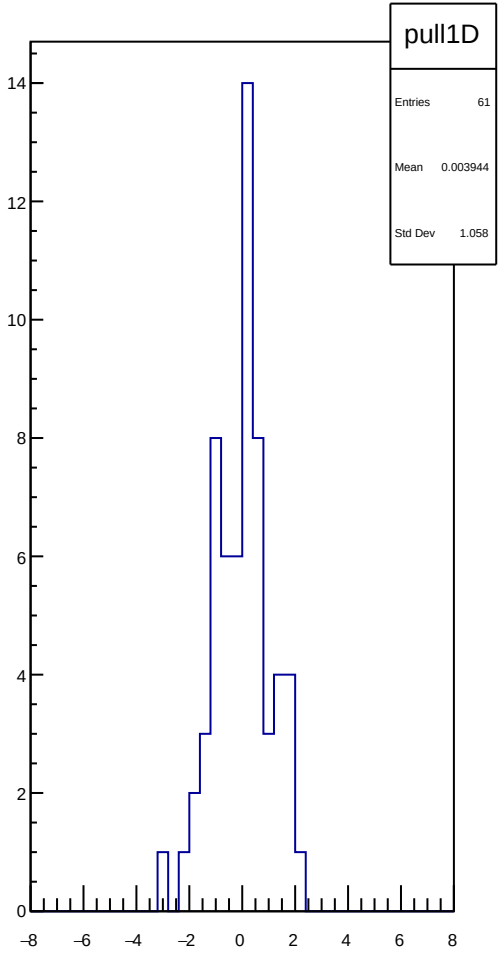

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 83.08 / 60
p0 −4.477e−13 ± 5.803e−13
pull
Entries 61
Mean 0.4925
Std Dev 0
pull1D
Entries 61
Mean 0.07851
Std Dev 1.164

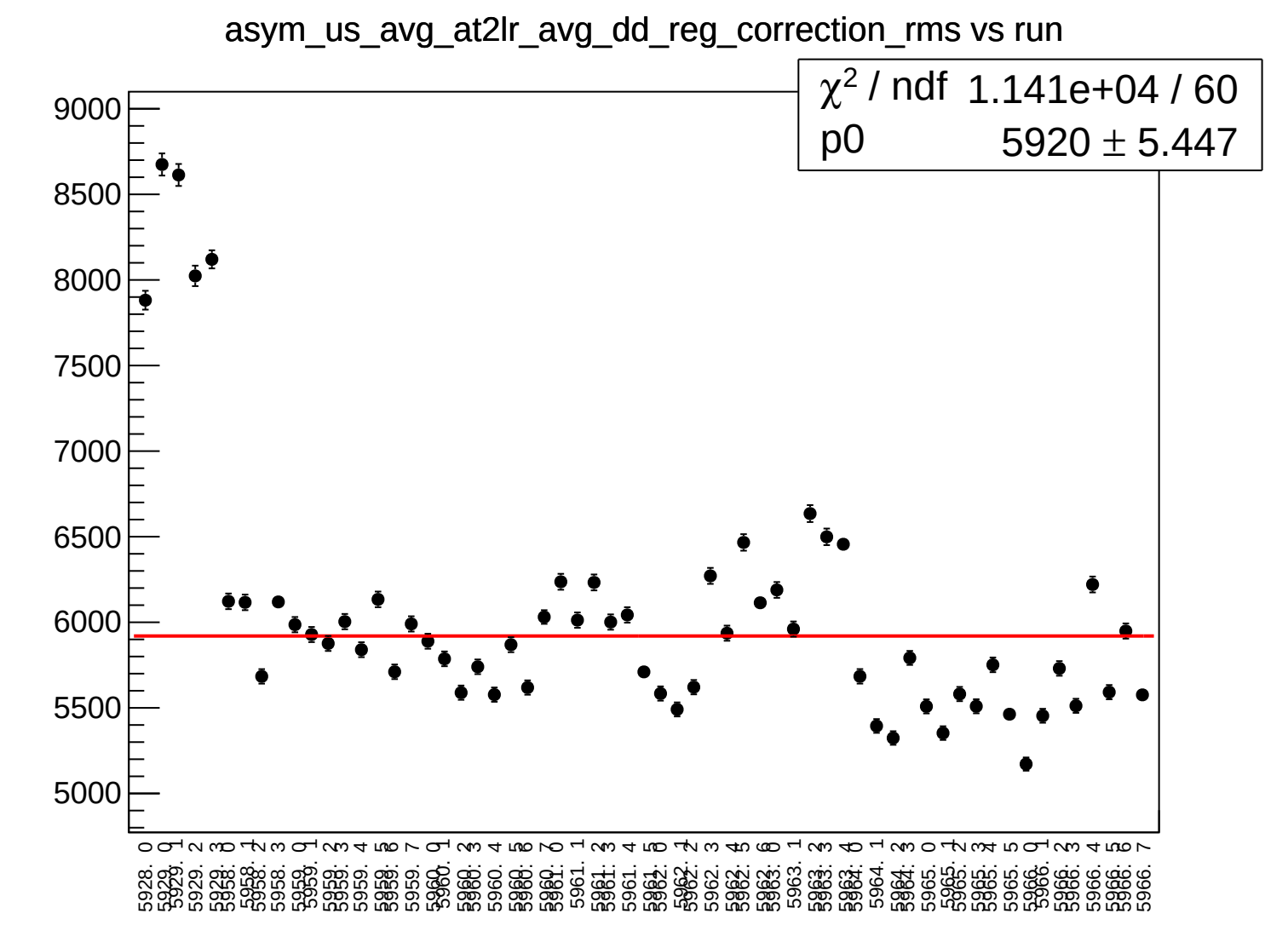

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.536e+05 / 60
p0 3.528e−10 ± 4.103e−13
2.5
2
1.5
1
0.5

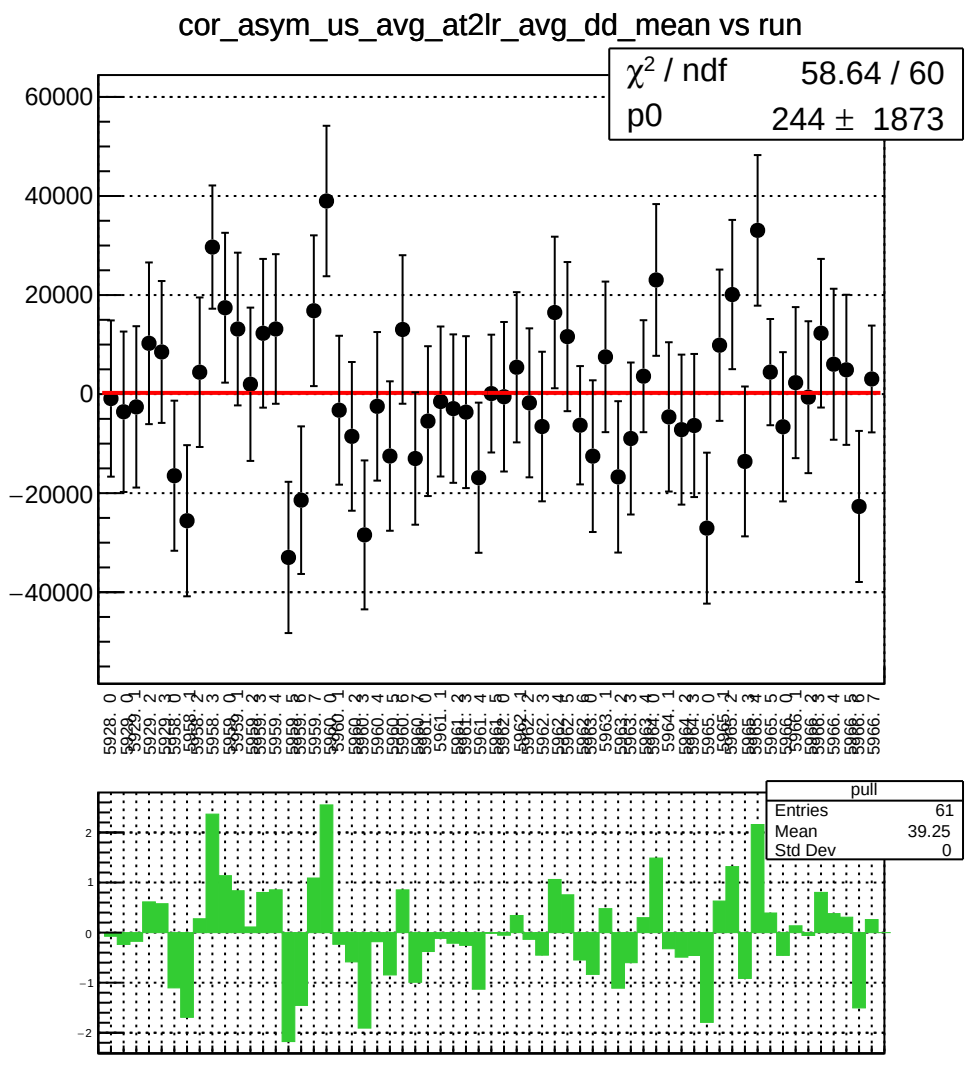

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.64 / 60
p0 243.7 ± 1873
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 39.26
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.009559
Std Dev 0.9804
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

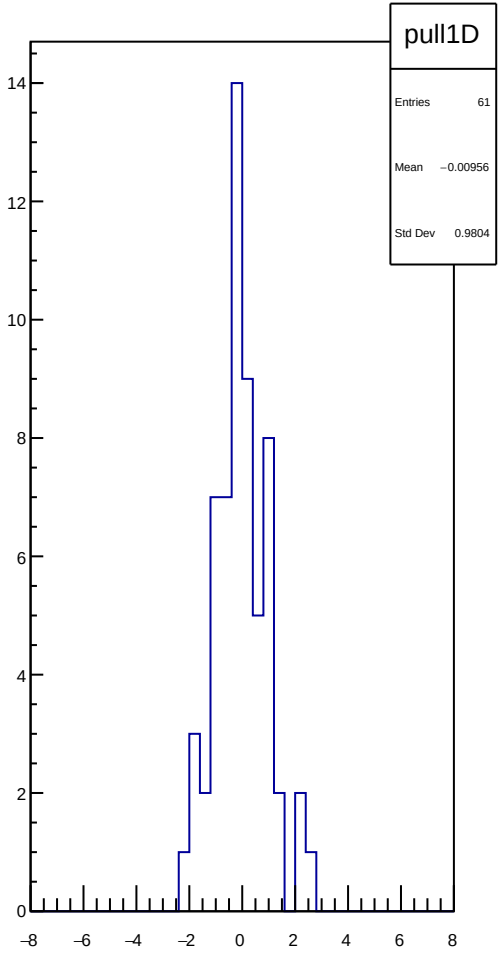

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 616.6 / 60
p0 1446 ± 1.324
1600
1550
1500
1450
1400

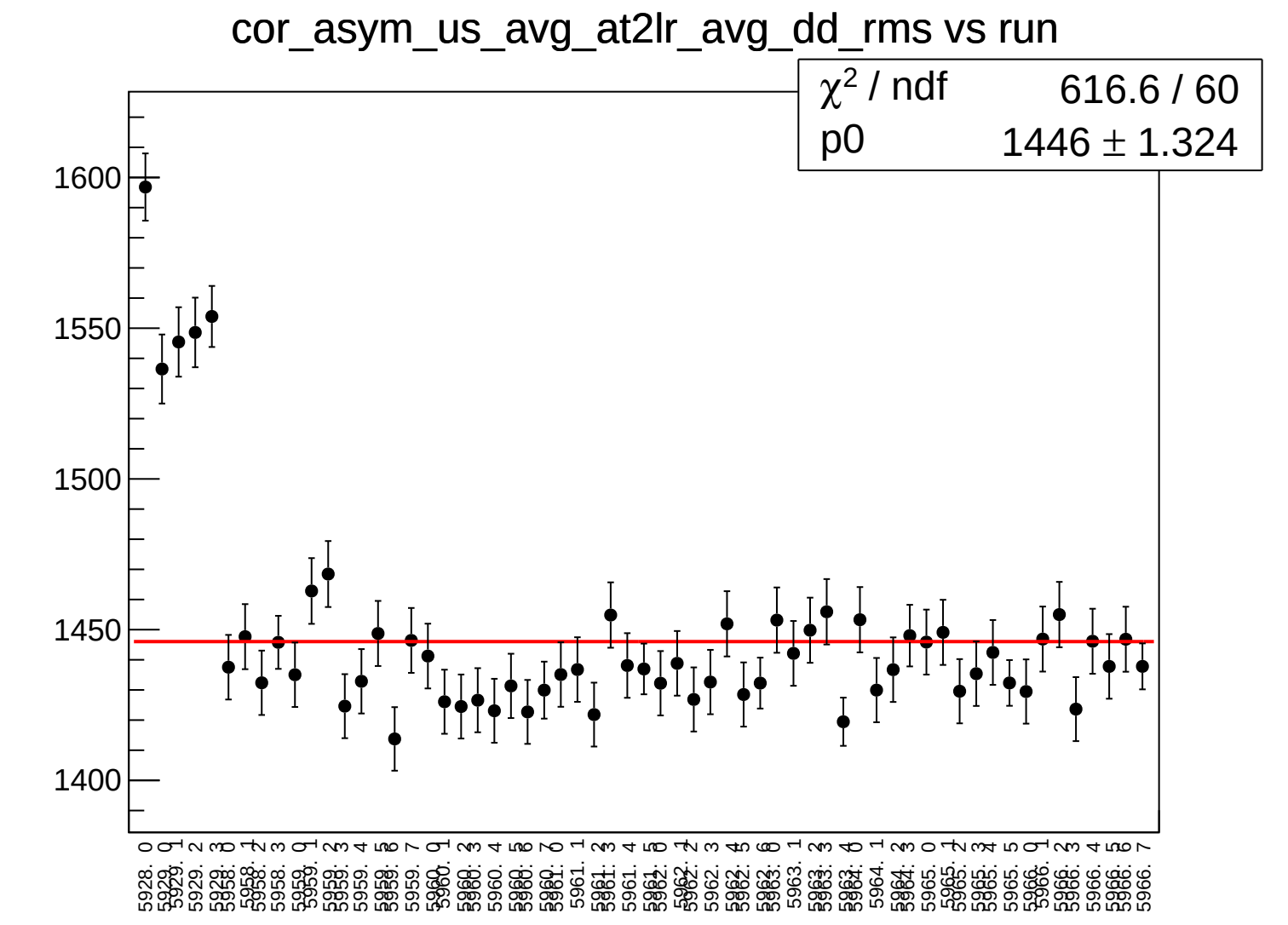

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 68.35 / 60
p0 794.7 ± 7703
pull
Entries 61
Mean 31.32
Std Dev 0

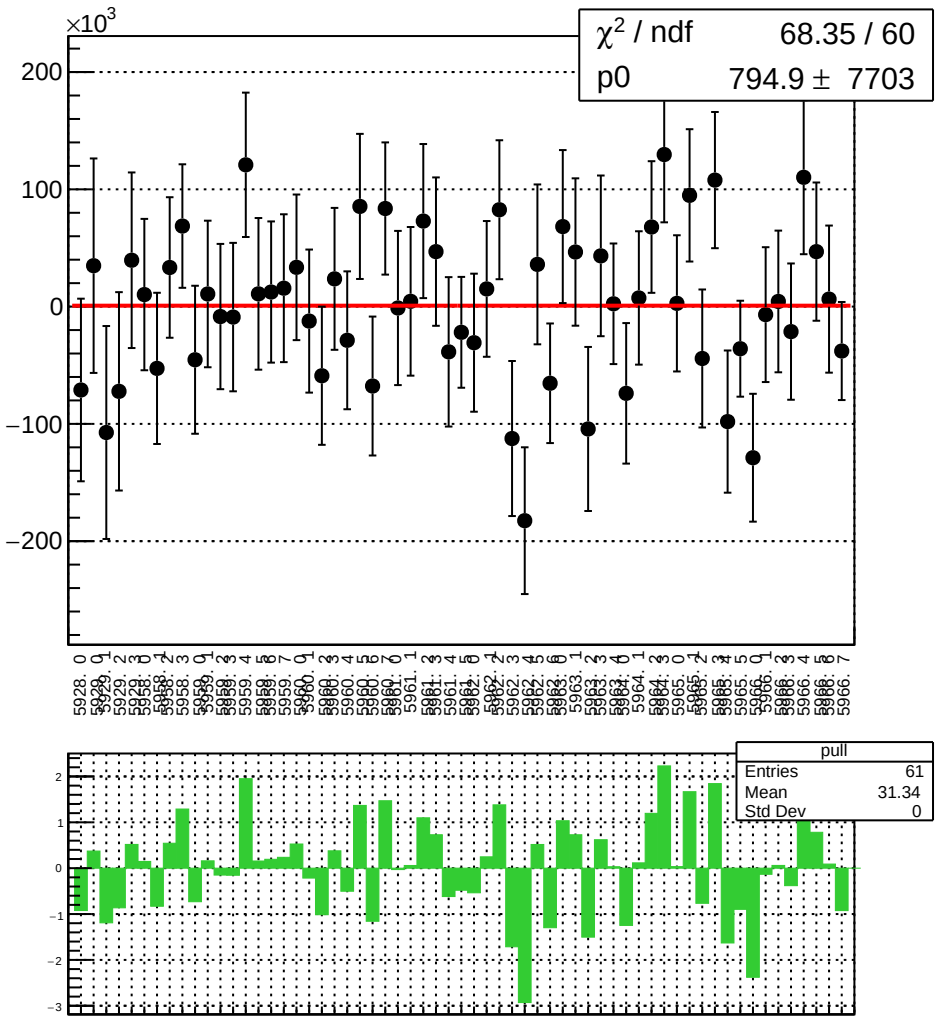

pull1D
Entries 61
Mean 0.003944
Std Dev 1.058

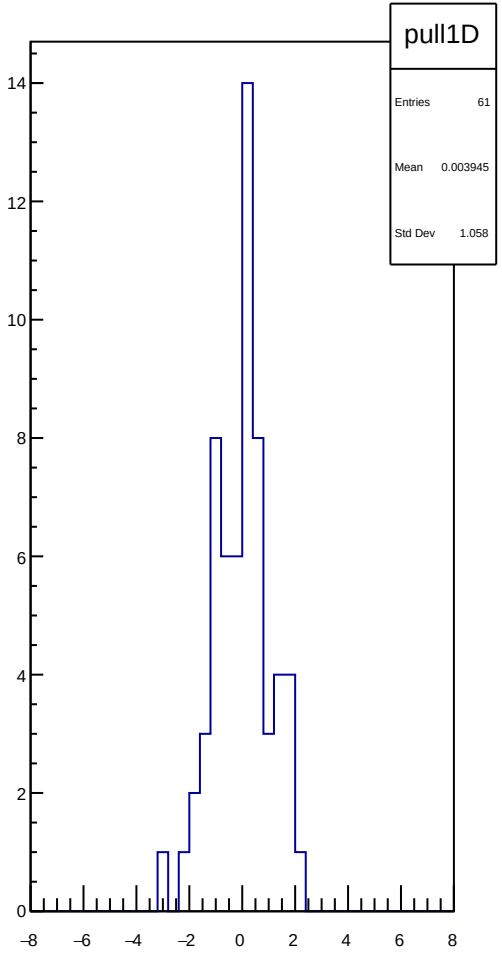

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.141e+04 / 60
p0 5920 ± 5.447
9000
8500
8000
7500
7000
6500
6000
5500
5000

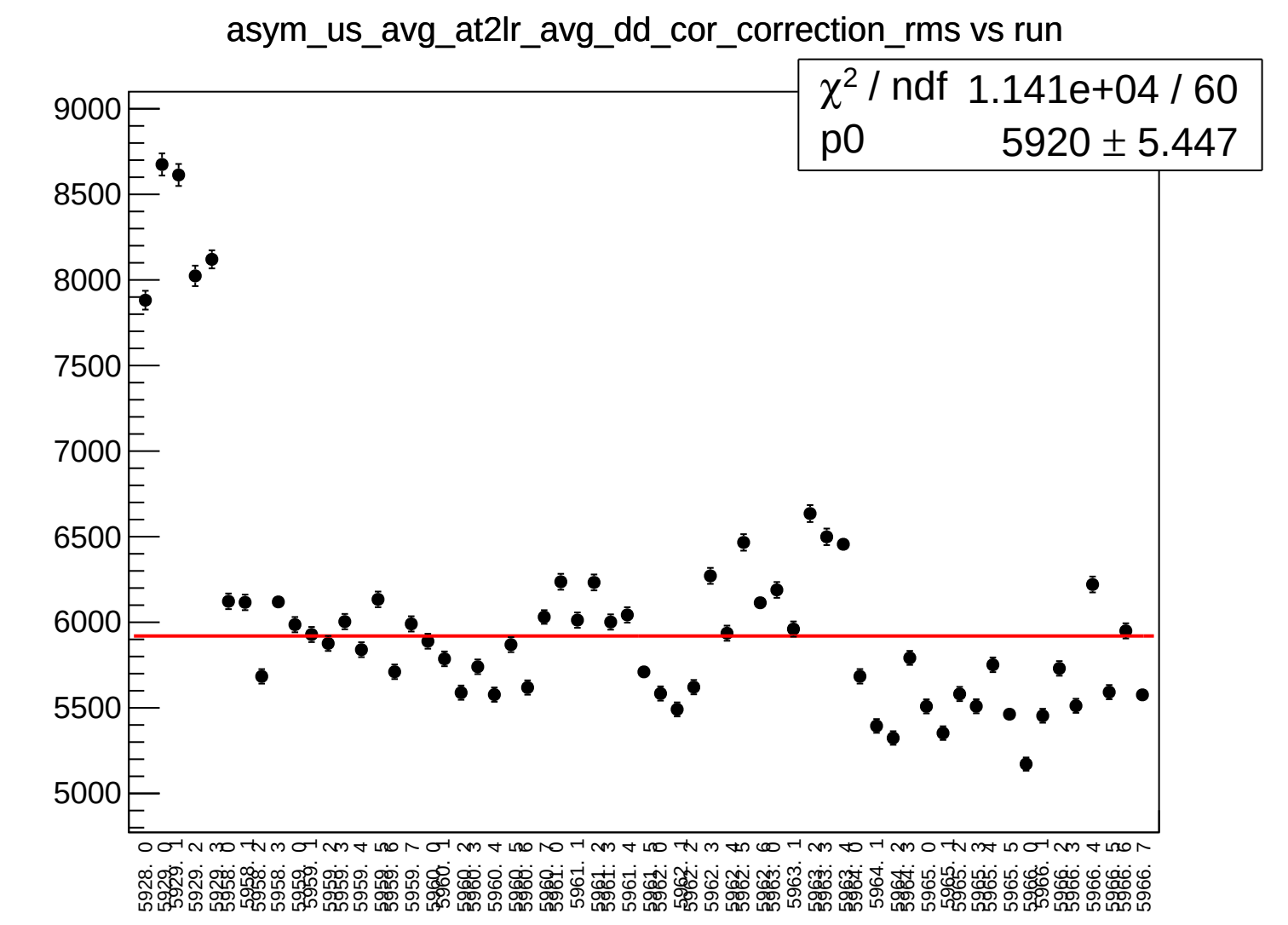

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.64 / 60
p0 244 ± 1873
pull
Entries 61
Mean 39.25
Std Dev 0

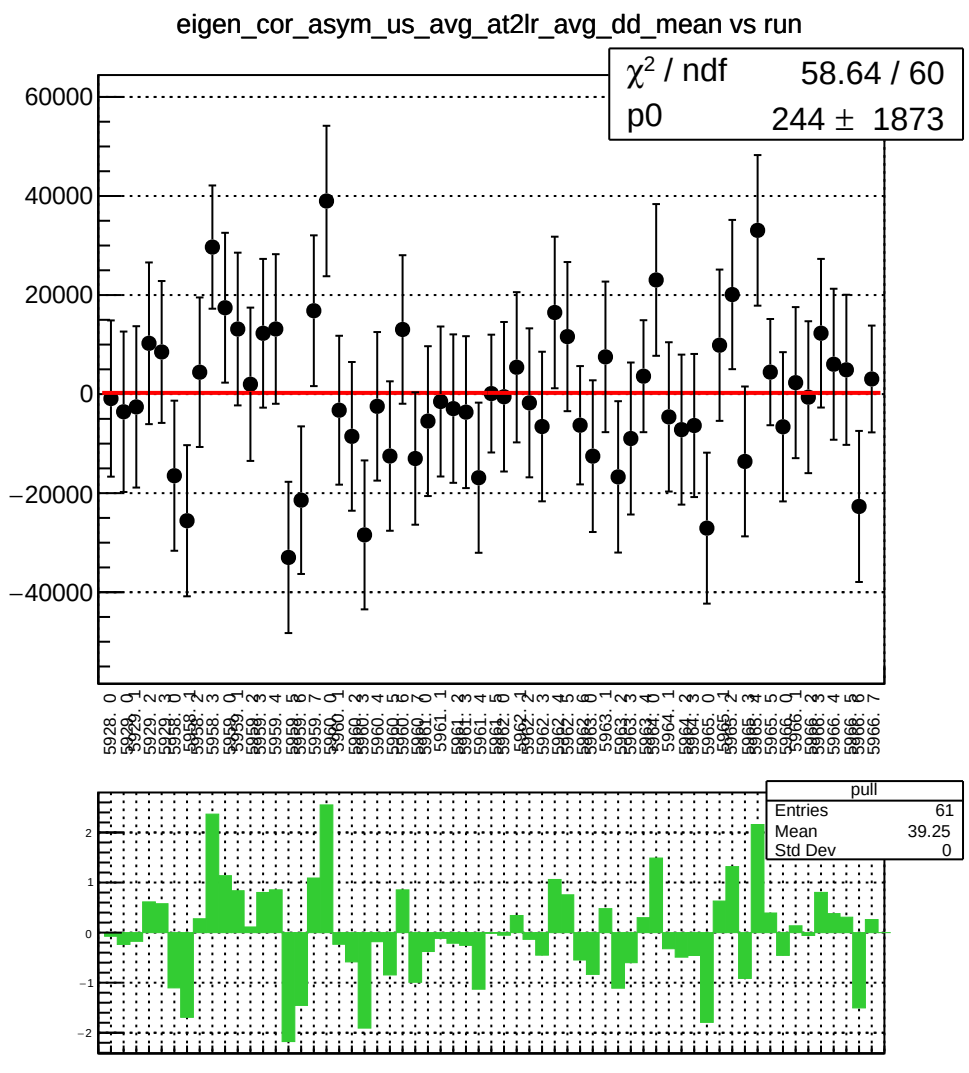

pull1D
Entries 61
Mean −0.00956
Std Dev 0.9804

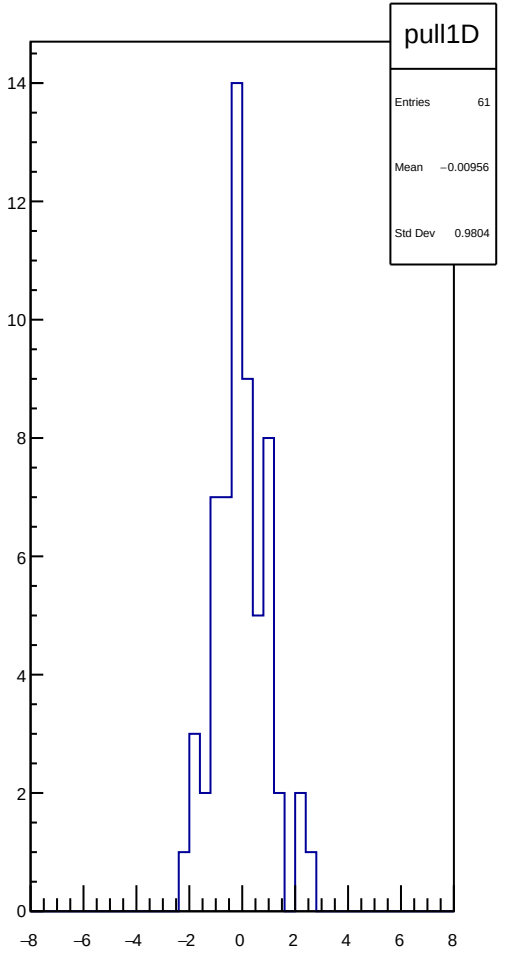

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 616.6 / 60
p0 1446 ± 1.324
1600
1550
1500
1450
1400

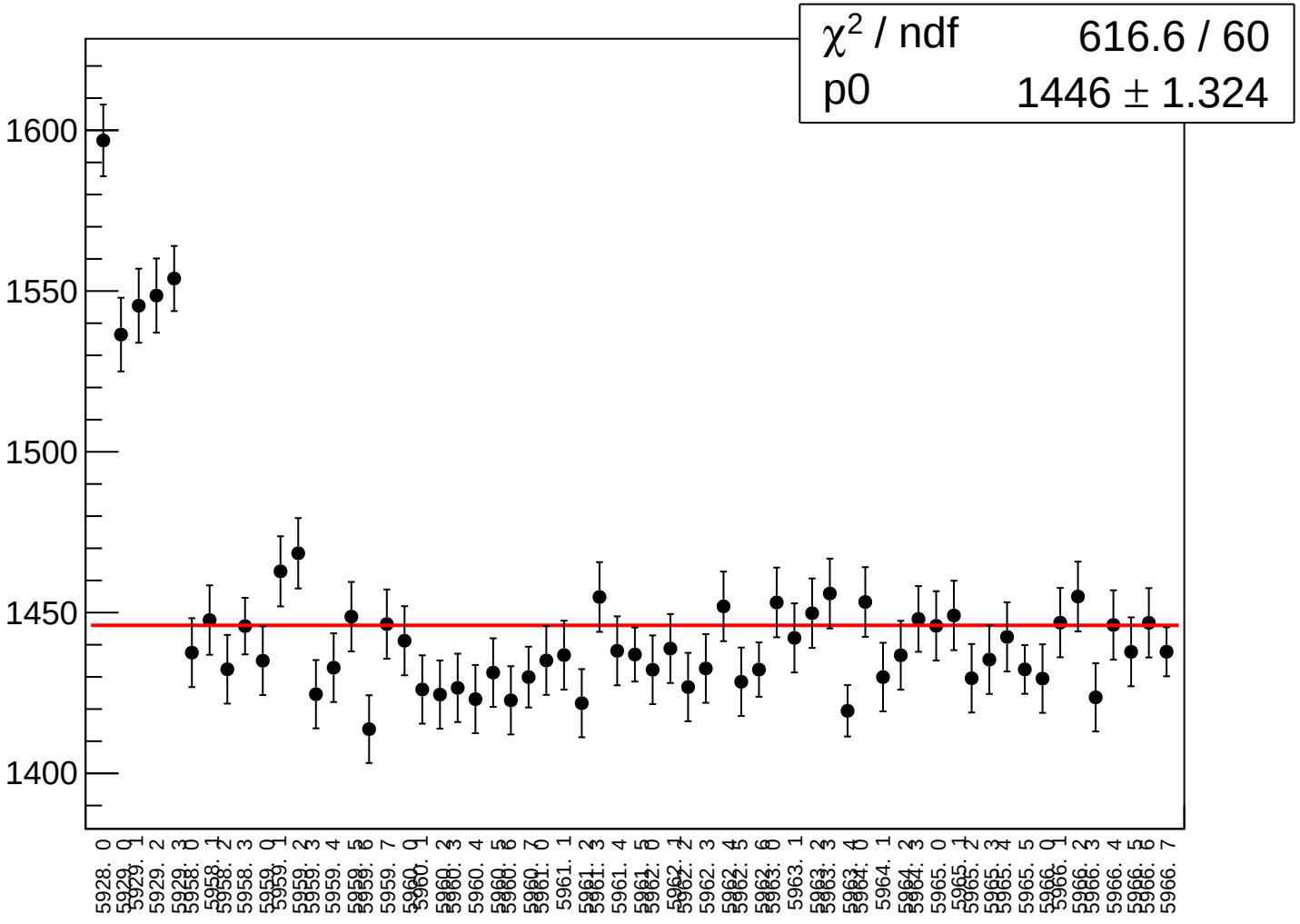

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 68.35 / 60
p0 794.9 ± 7703
pull
Entries 61
Mean 31.34
Std Dev 0

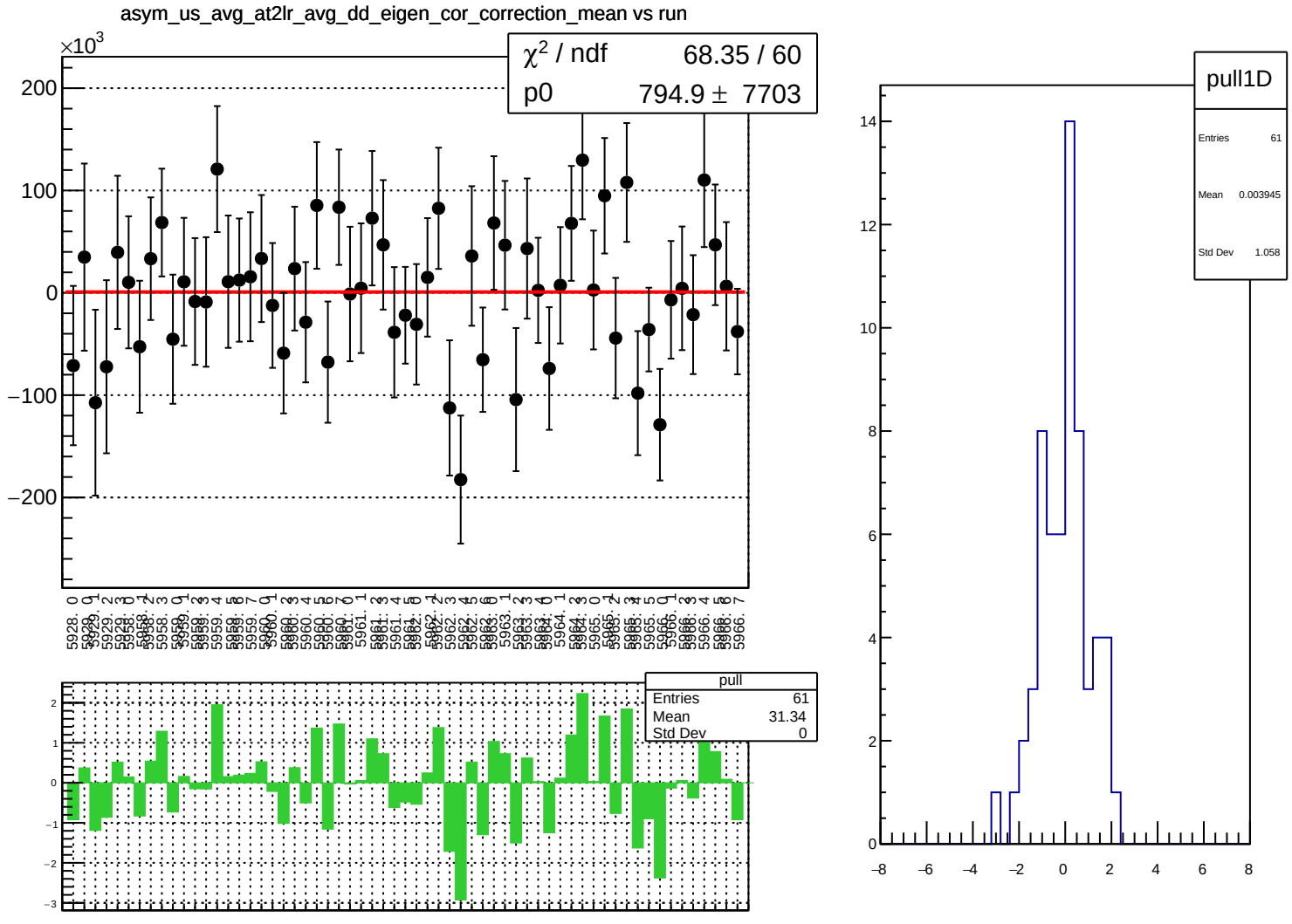

pull1D
Entries 61
Mean 0.003945
Std Dev 1.058

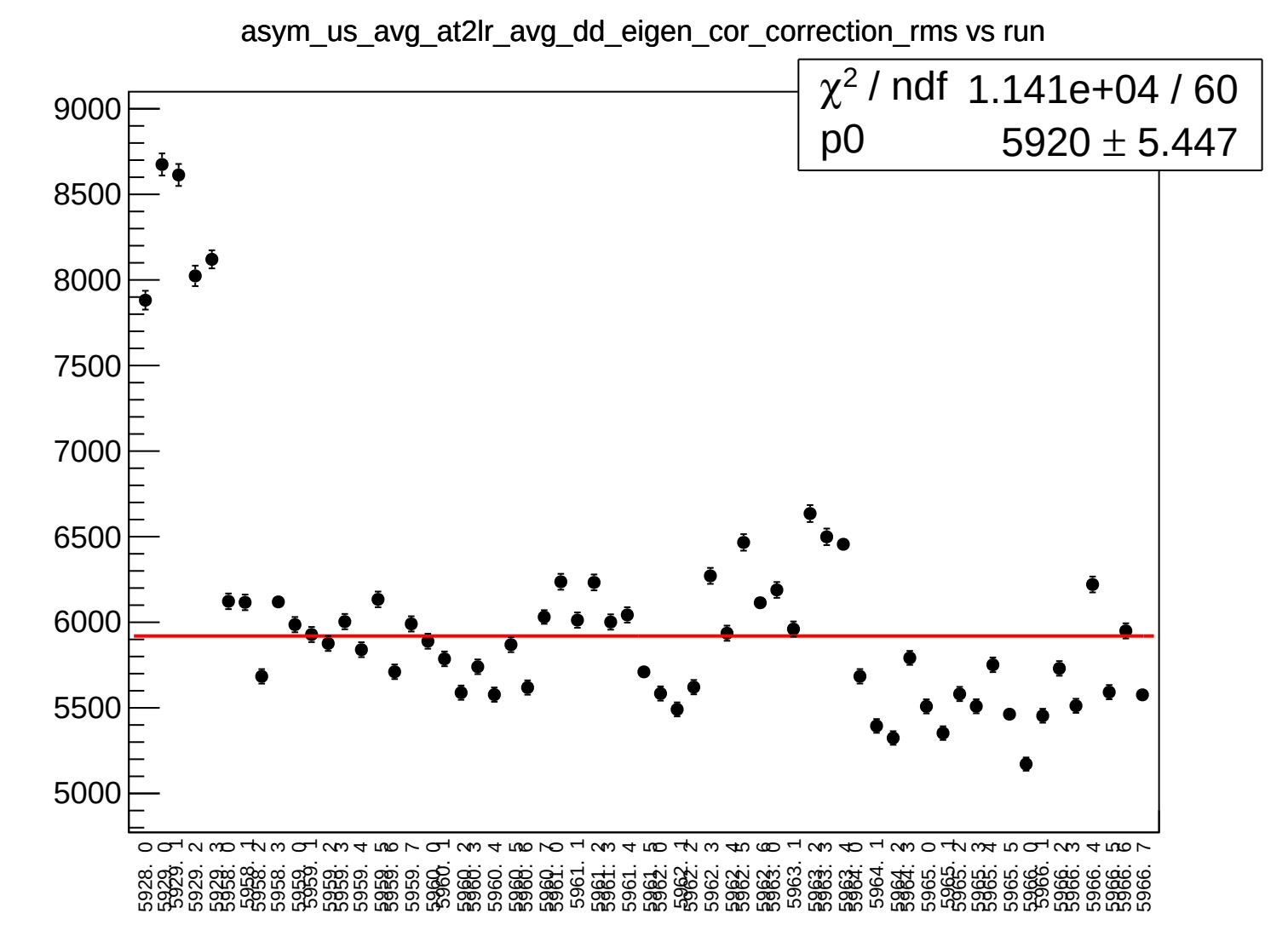

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.141e+04 / 60
p0 5920 ± 5.447
9000
8500
8000
7500
7000
6500
6000
5500
5000

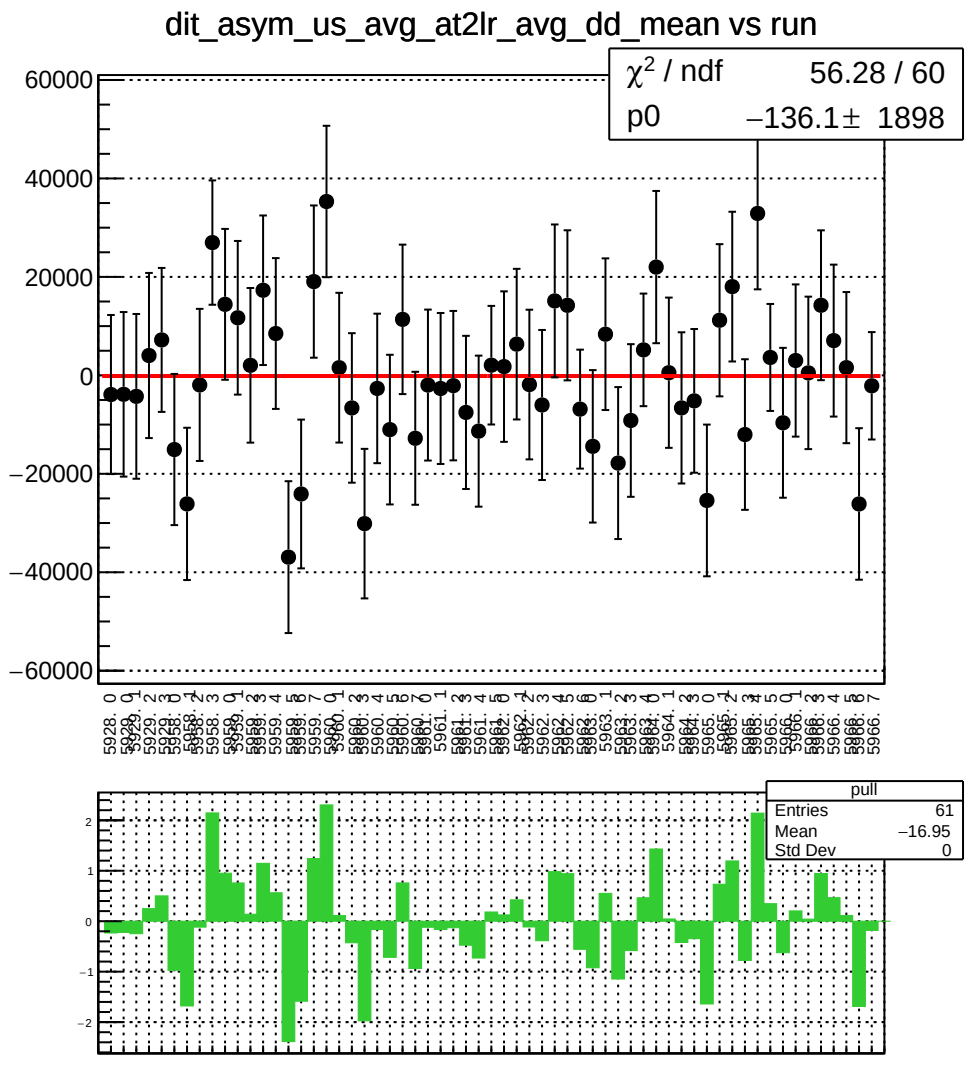

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.64 / 60
p0 244 ± 1873
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 39.25
Std Dev 0
2
1
0
−1
−2

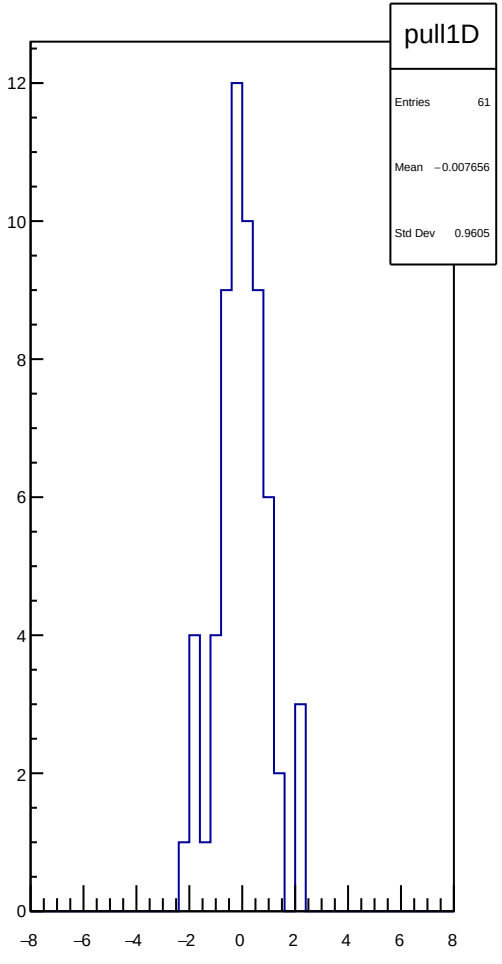

pull1D
Entries 61
Mean −0.00956
Std Dev 0.9804
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

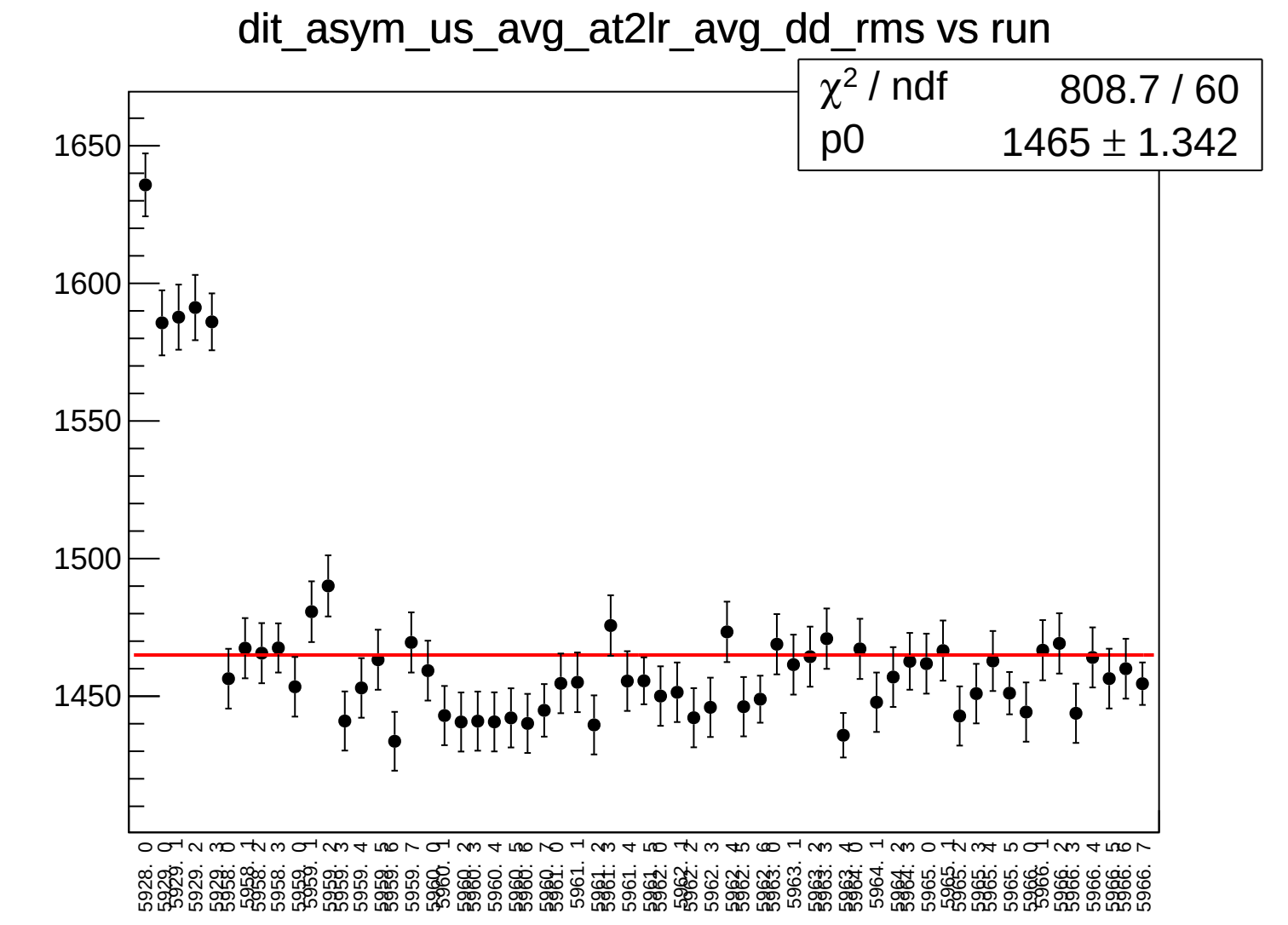

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 616.6 / 60
p0 1446 ± 1.324
1600
1550
1500
1450
1400

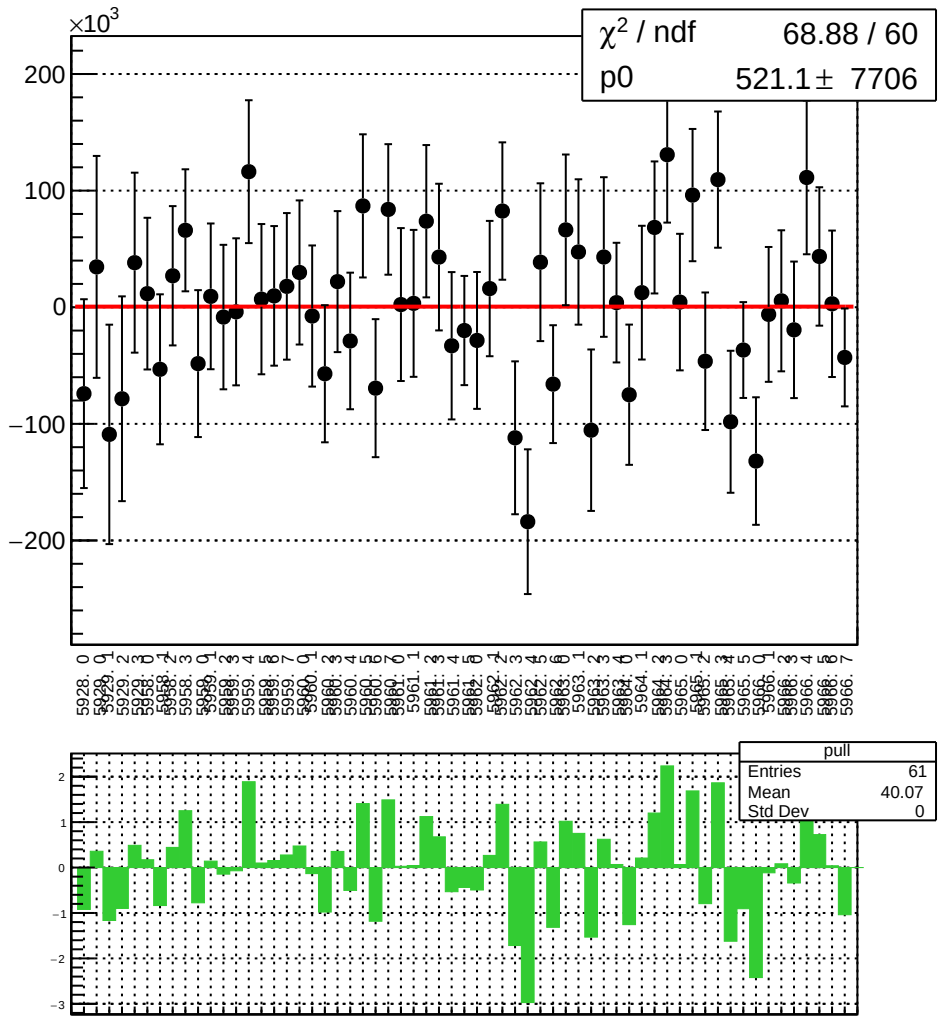

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.35 / 60
p0 794.9 ± 7703
200
100
0
−100
−200
pull
Entries 61
Mean 31.34
Std Dev 0
pull1D
Entries 61
Mean 0.003945
Std Dev 1.058

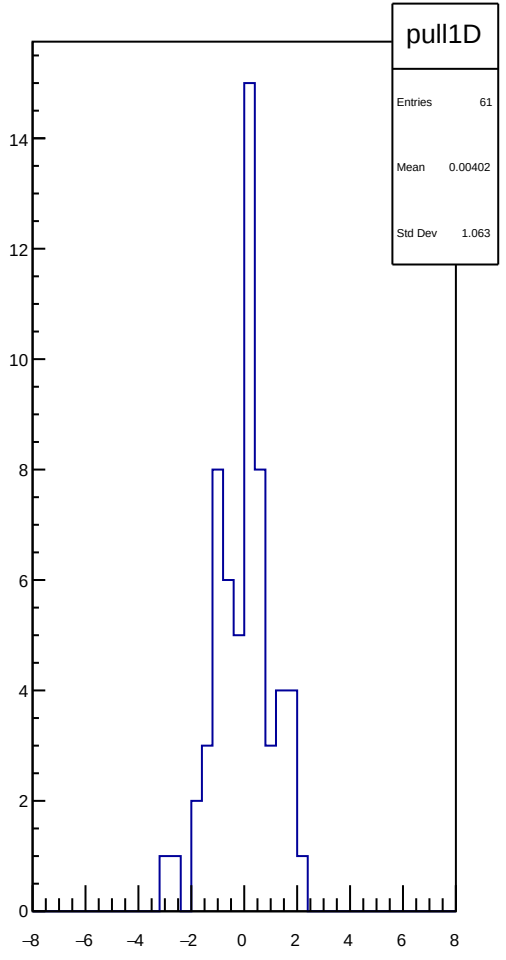

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.141e+04 / 60
p0 5920 ± 5.447
9000
8500
8000
7500
7000
6500
6000
5500
5000

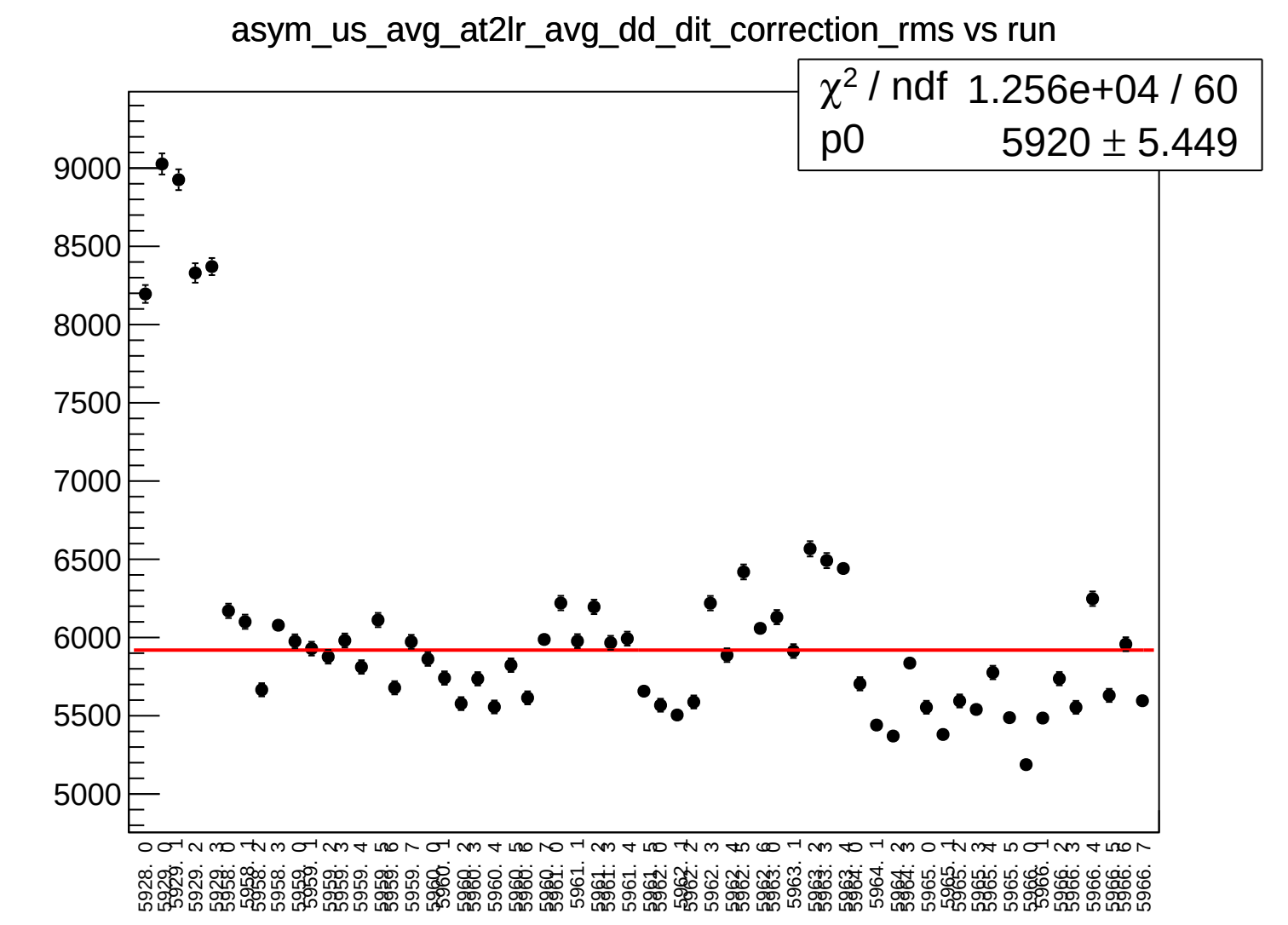

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 56.28 / 60
p0 −136.1± 1898
pull
Entries 61
Mean −16.95
Std Dev 0

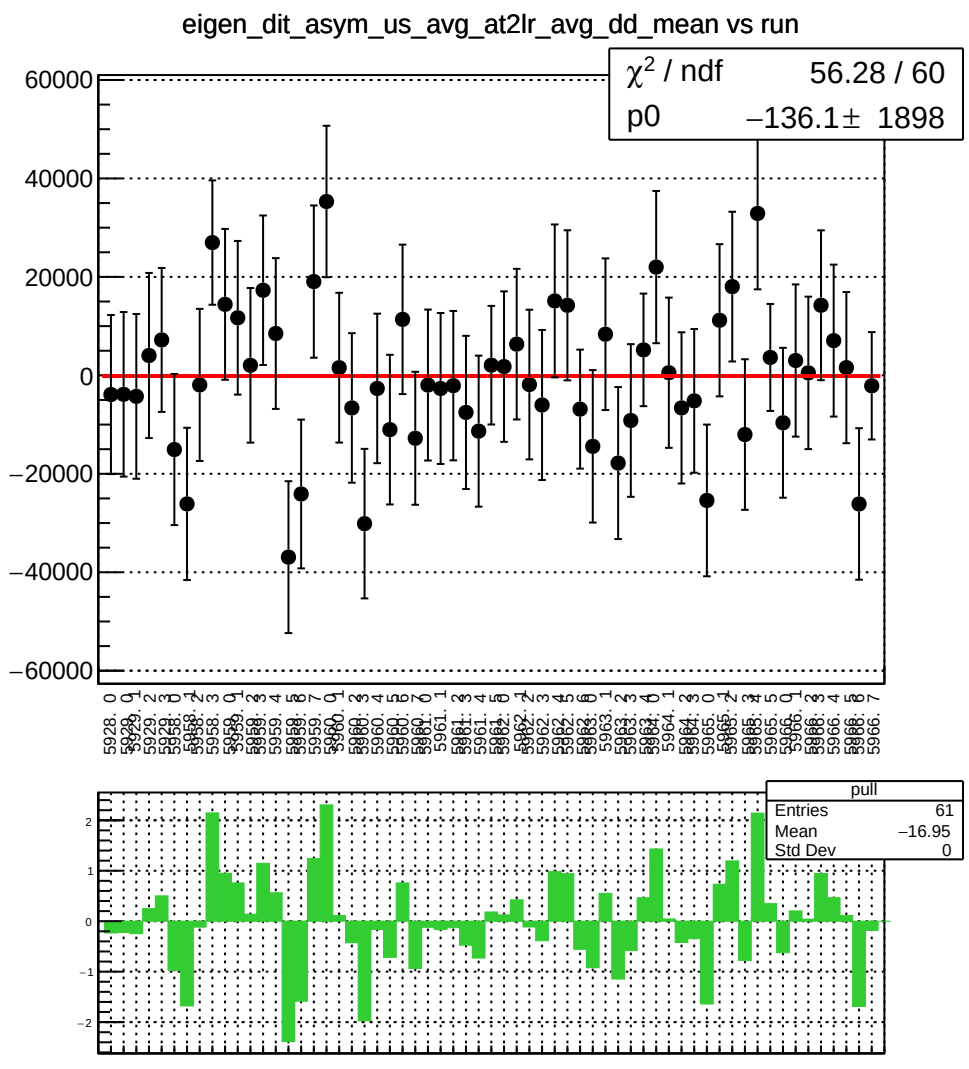

pull1D
Entries 61
Mean −0.007656
Std Dev 0.9605

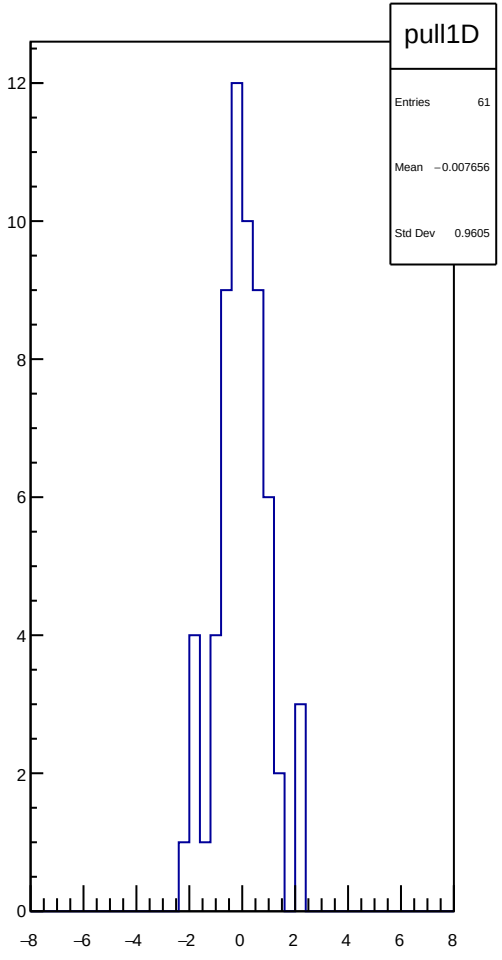

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 808.7 / 60
p0 1465 ± 1.342
1650
1600
1550
1500
1450

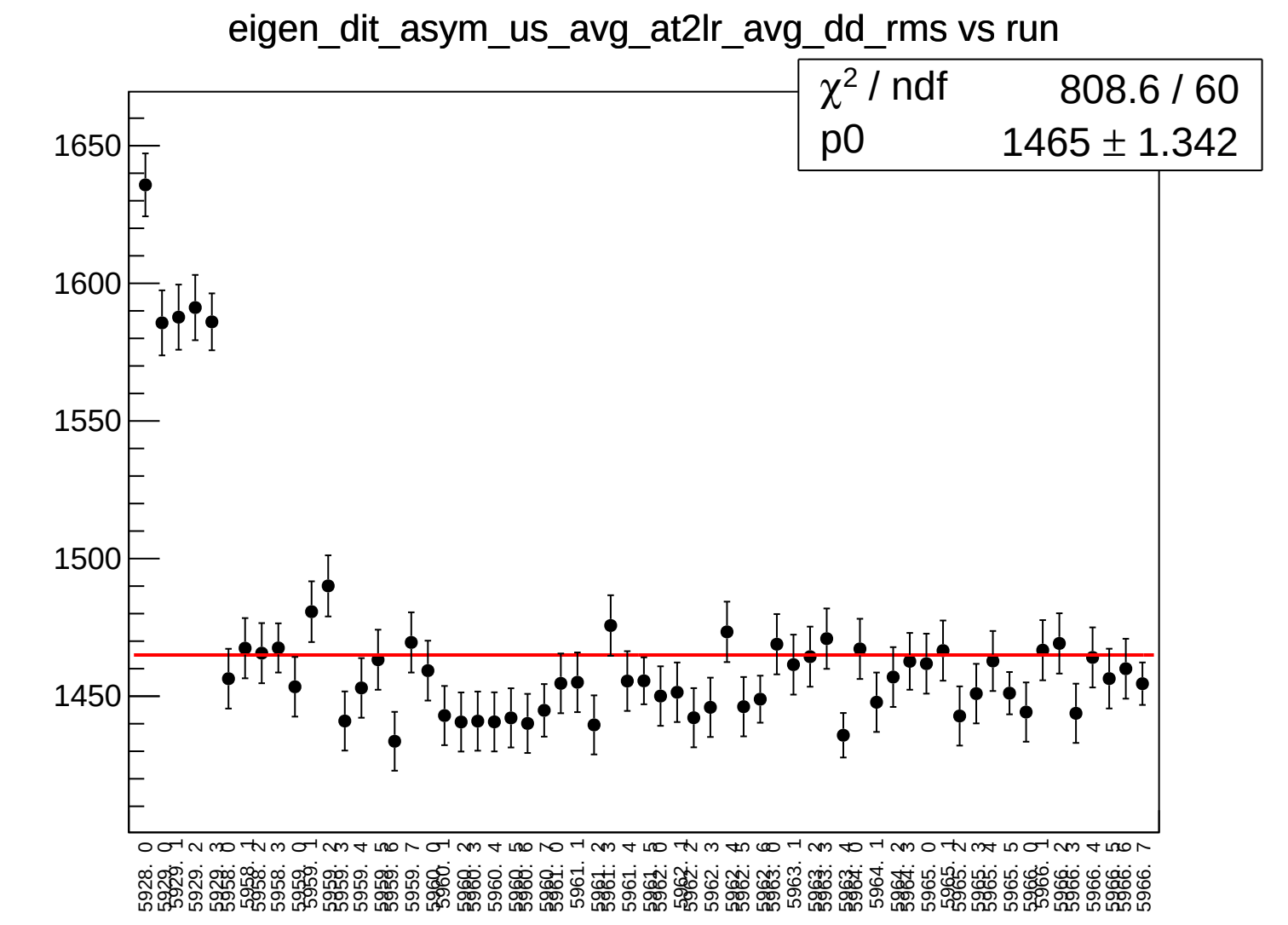

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 68.88 / 60
p0 521.1 ± 7706
pull
Entries 61
Mean 40.07
Std Dev 0

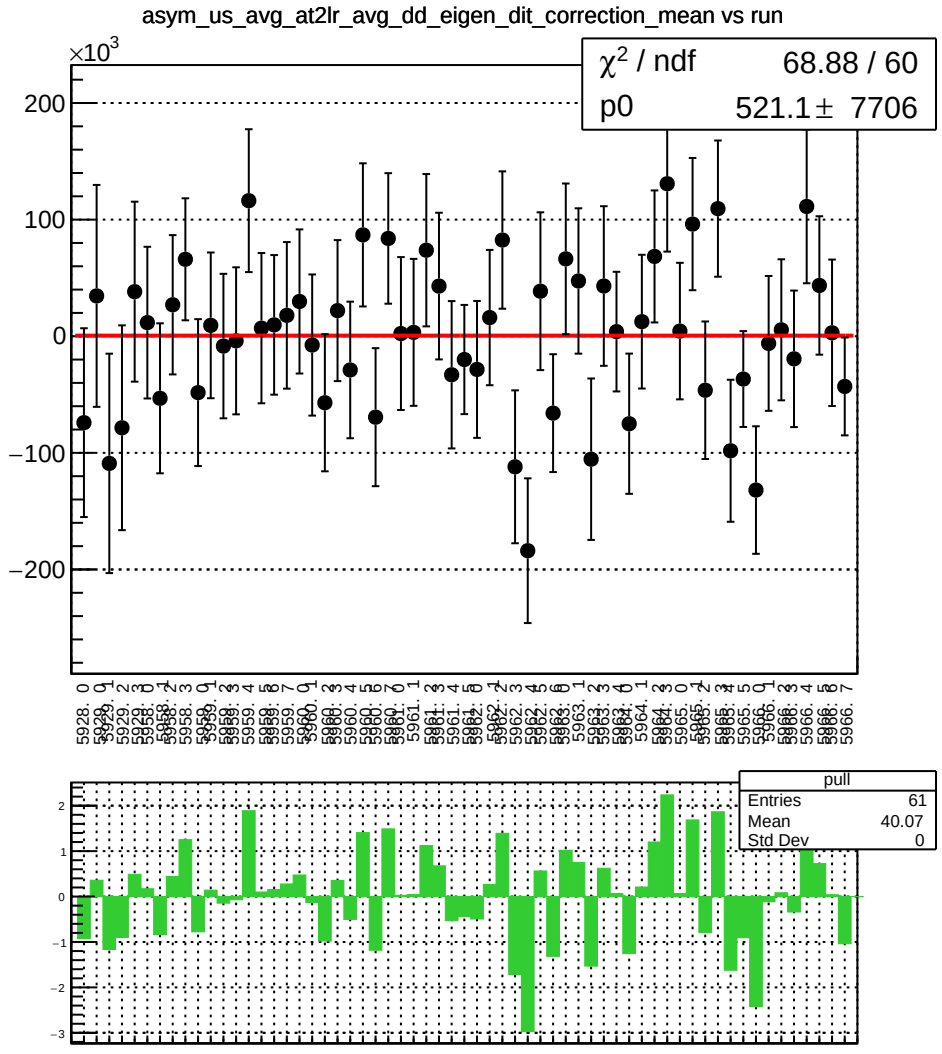

pull1D
Entries 61
Mean 0.00402
Std Dev 1.063

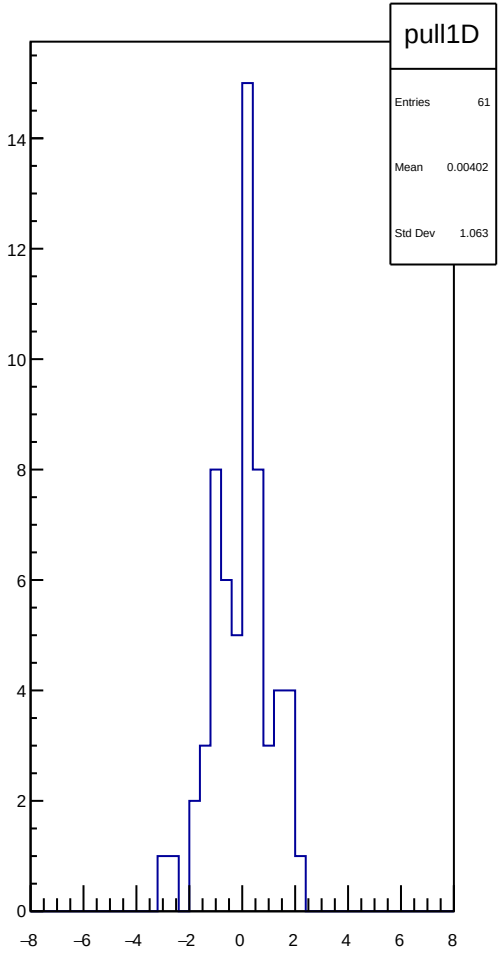

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.256e+04 / 60
p0 5920 ± 5.449
9000
8500
8000
7500
7000
6500
6000
5500
5000

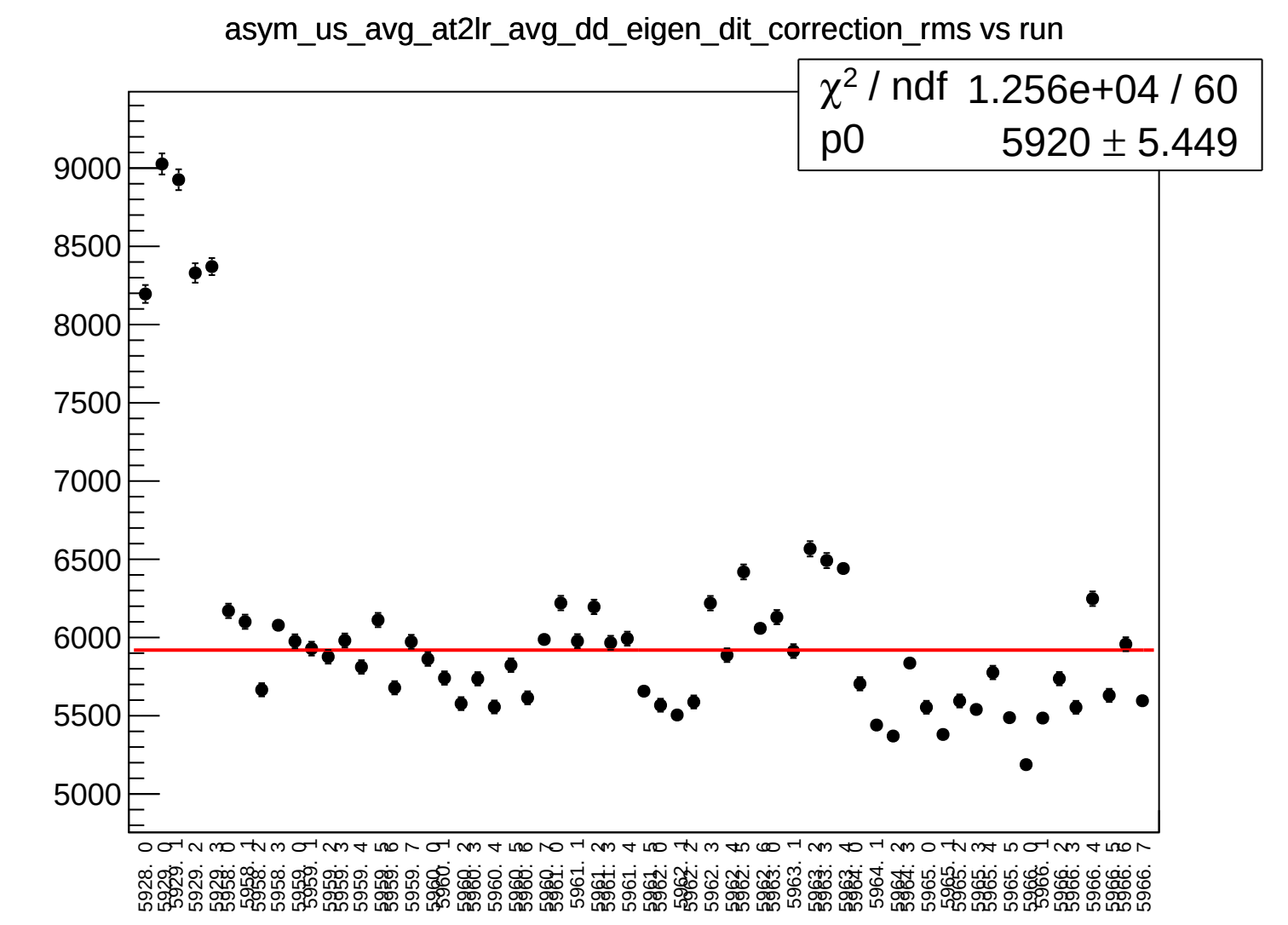

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 56.28 / 60
p0 −136.1± 1898
pull
Entries 61
Mean −16.95
Std Dev 0

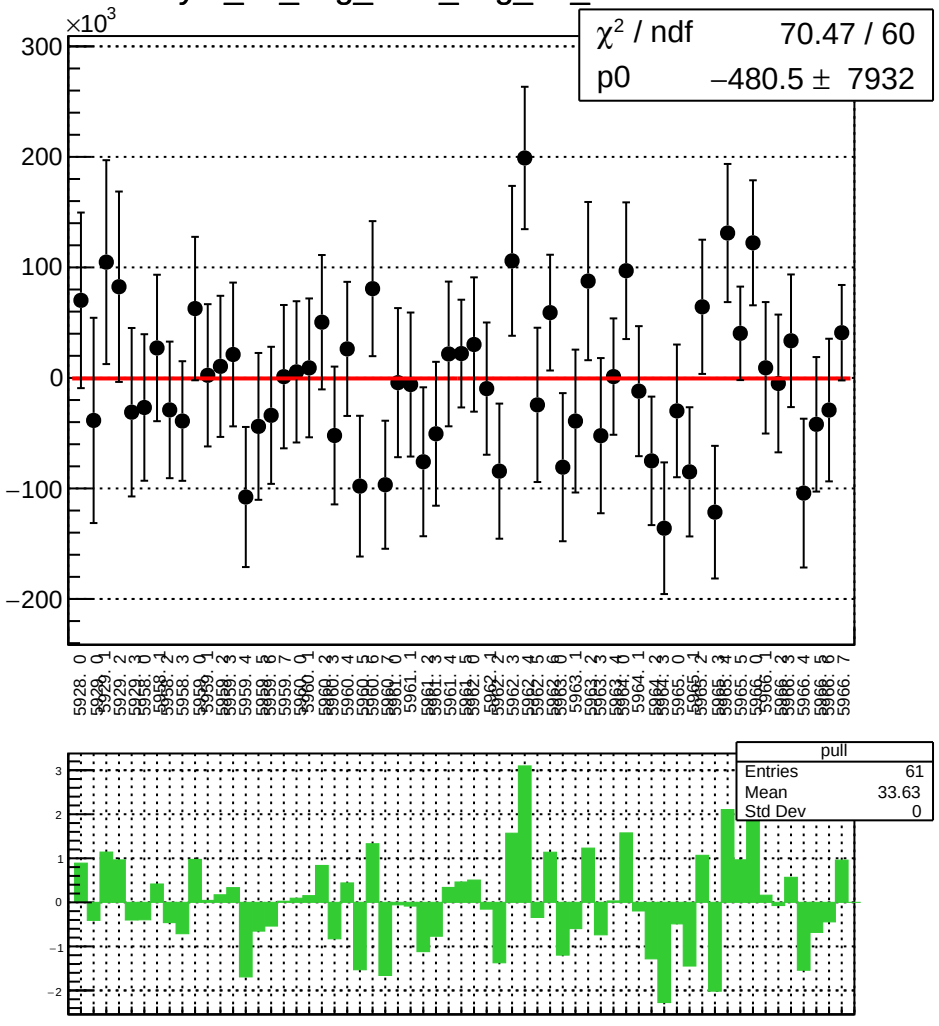

pull1D
Entries 61
Mean −0.007656
Std Dev 0.9605

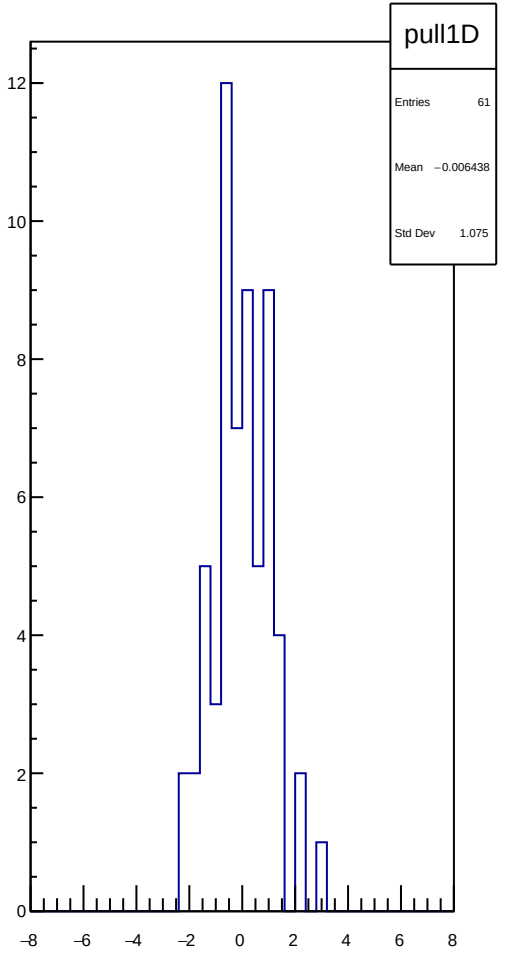

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 808.6 / 60
p0 1465 ± 1.342
1650
1600
1550
1500
1450

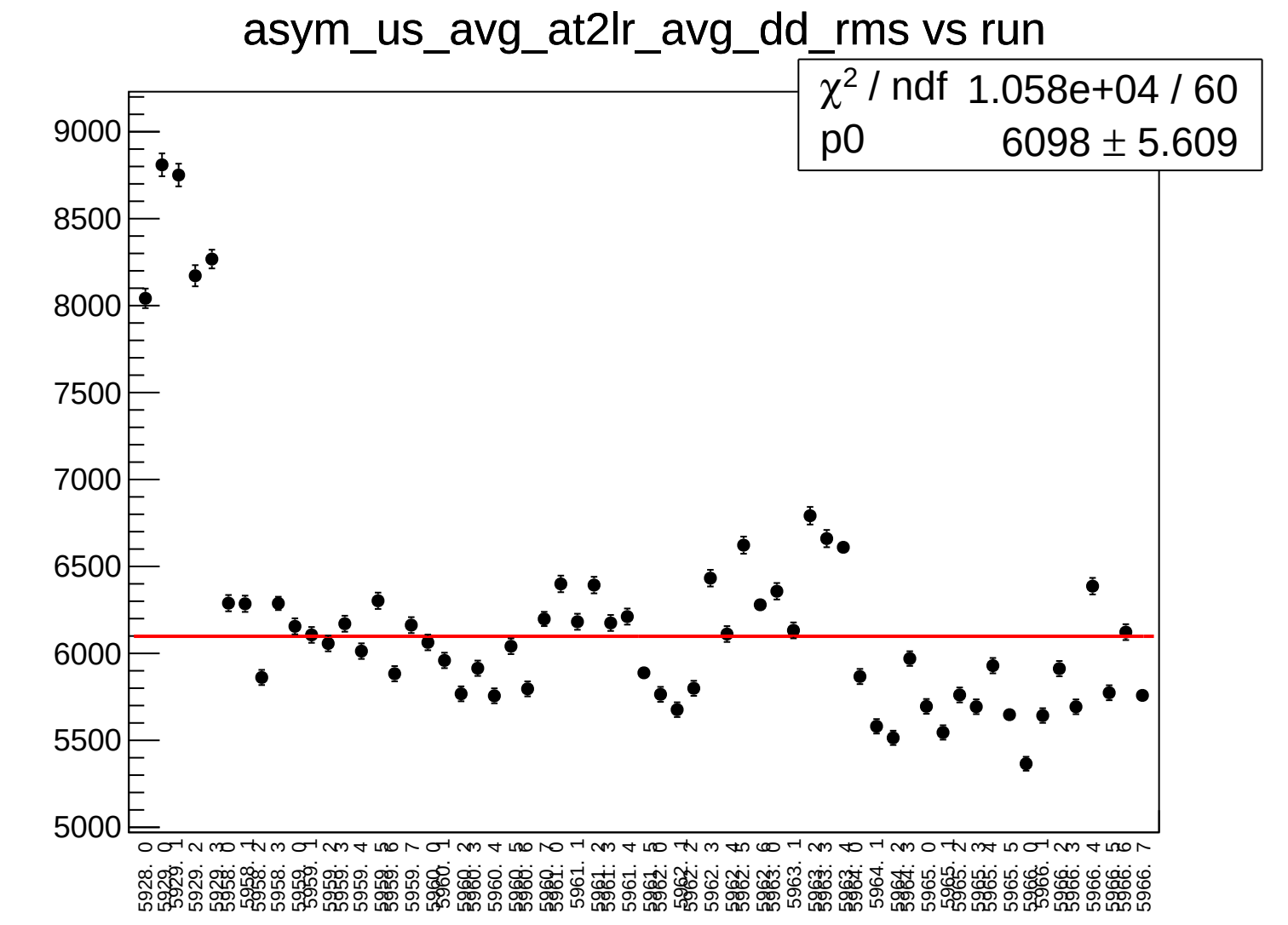

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.88 / 60
p0 521.1 ± 7706
pull
Entries 61
Mean 40.07
Std Dev 0

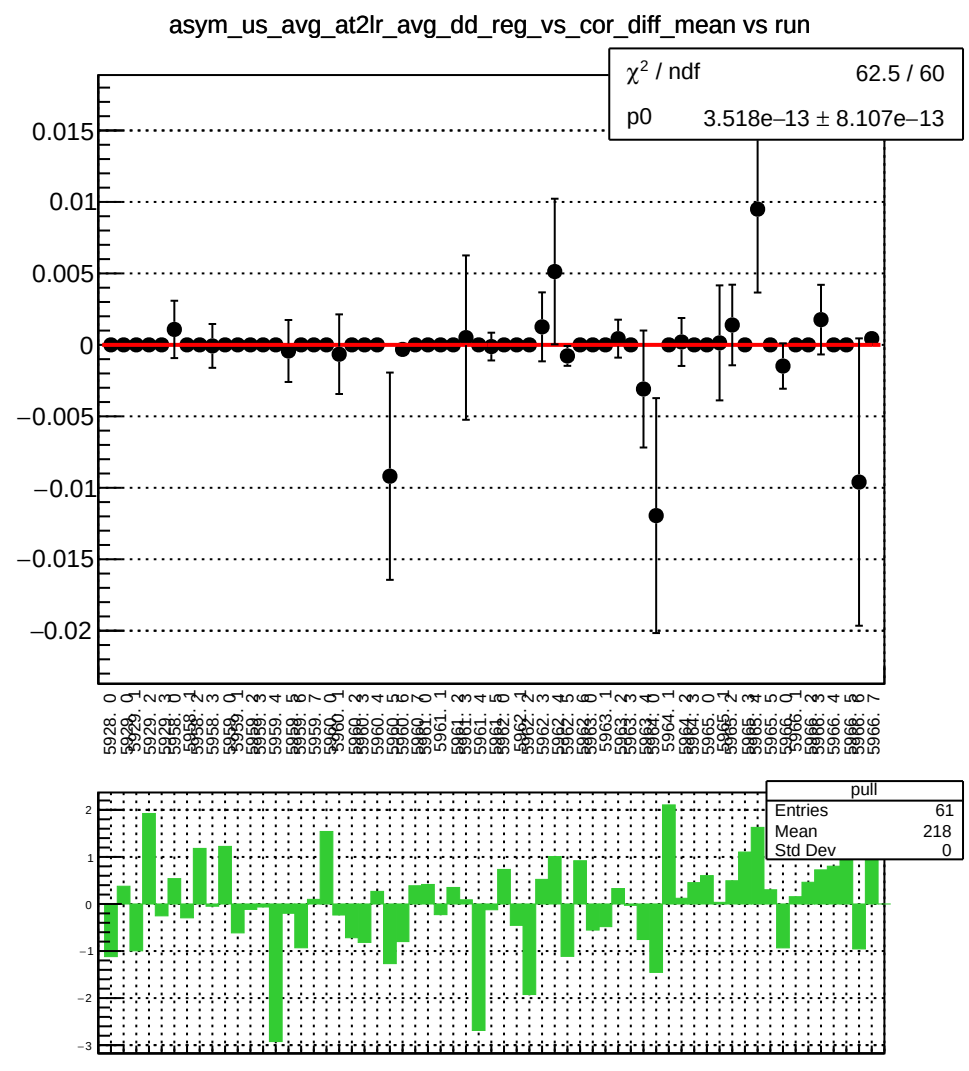

pull1D
Entries 61
Mean 0.00402
Std Dev 1.063

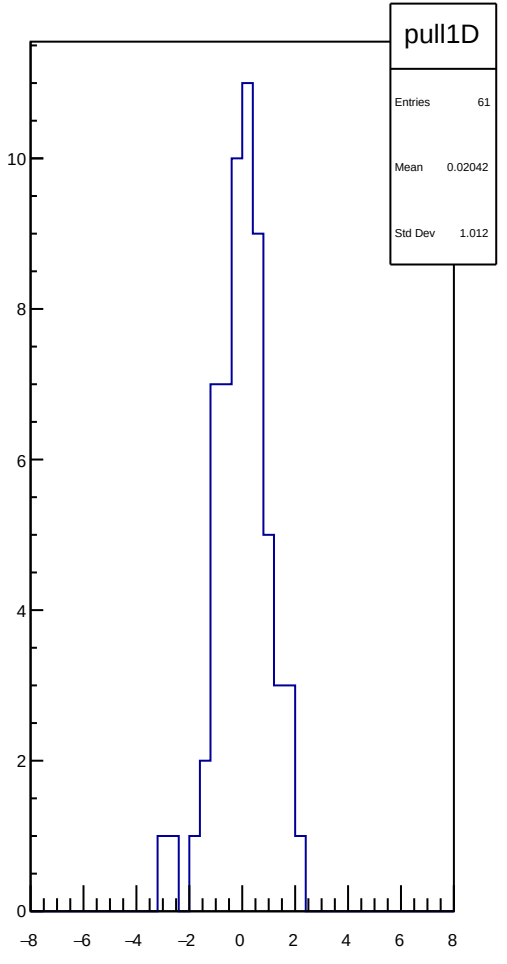

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.256e+04 / 60
p0 5920 ± 5.449
9000
8500
8000
7500
7000
6500
6000
5500
5000

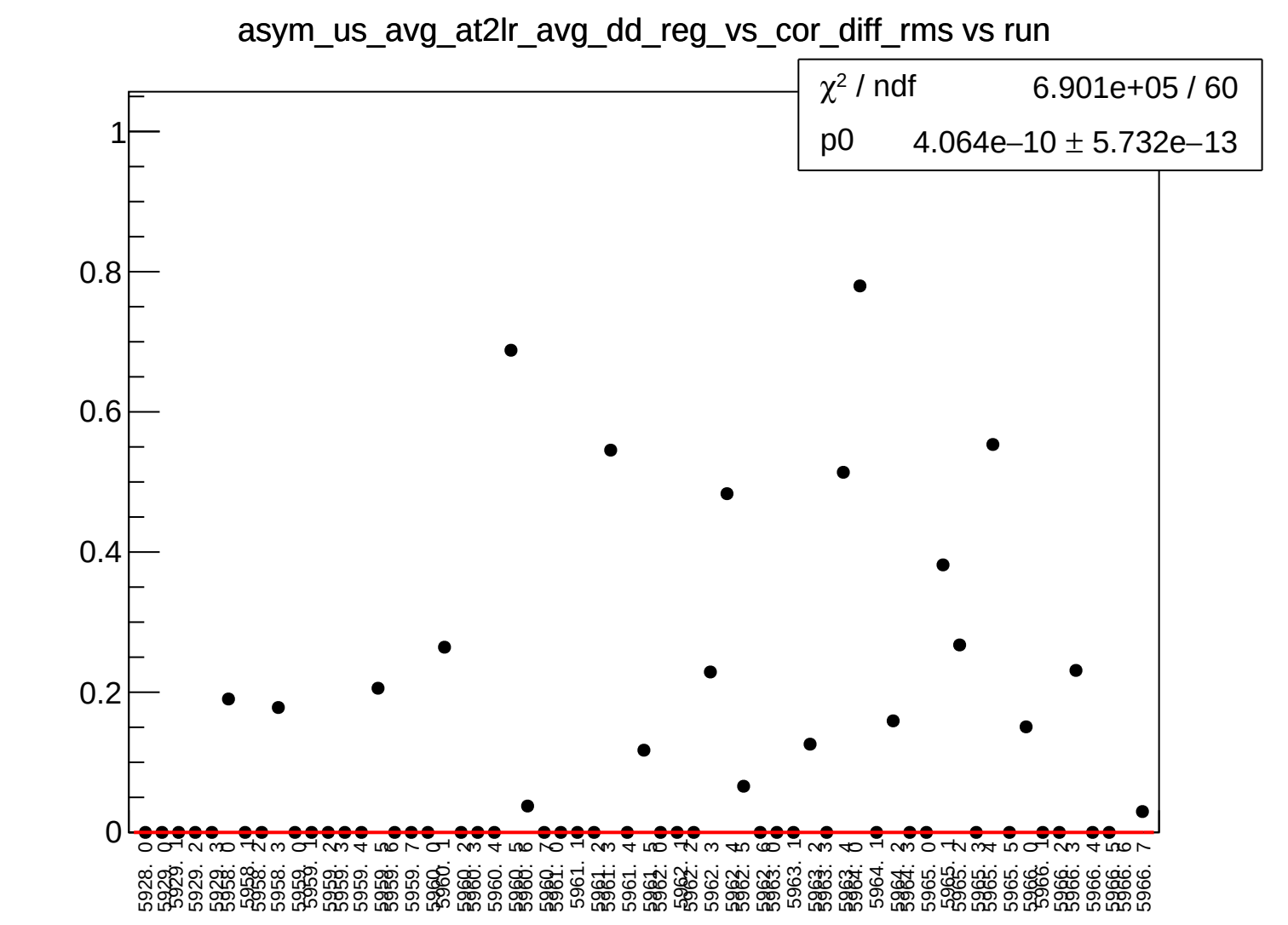

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 70.47 / 60
p0 −480.5 ± 7932
pull
Entries 61
Mean 33.63
Std Dev 0

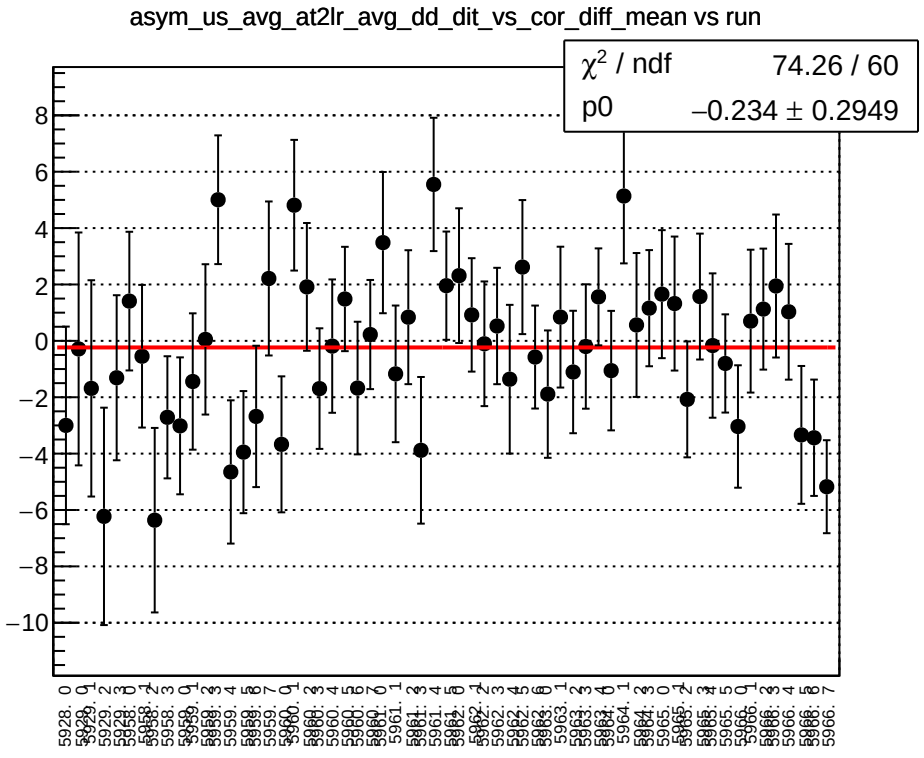

pull1D
Entries 61
Mean −0.006438
Std Dev 1.075

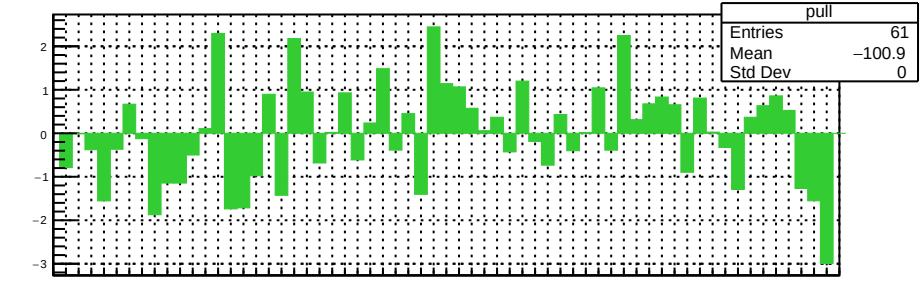

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1.058e+04 / 60
p0 6098 ± 5.609
9000
8500
8000
7500
7000
6500
6000
5500
5000

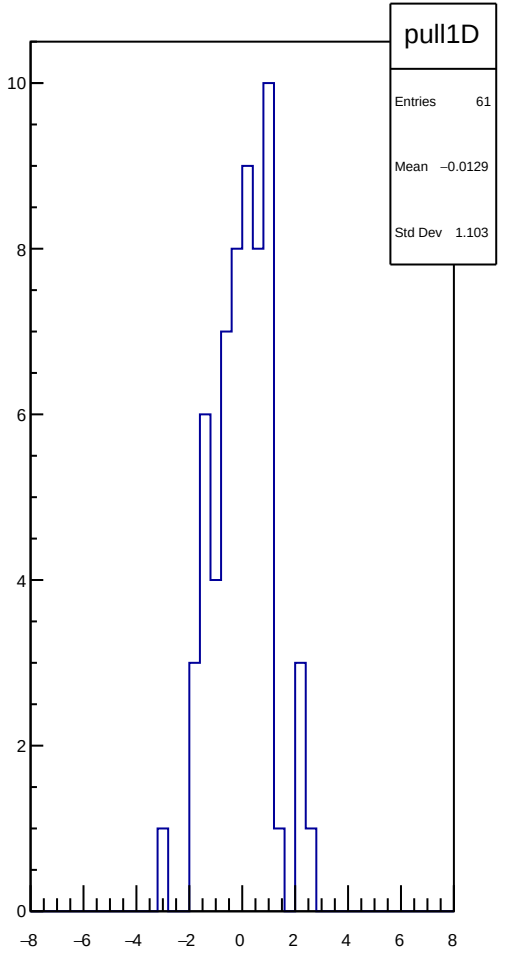

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 62.5 / 60
p0 3.518e−13 ± 8.107e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 61
Mean 218
Std Dev 0
2
1
0
−1
−2
−3

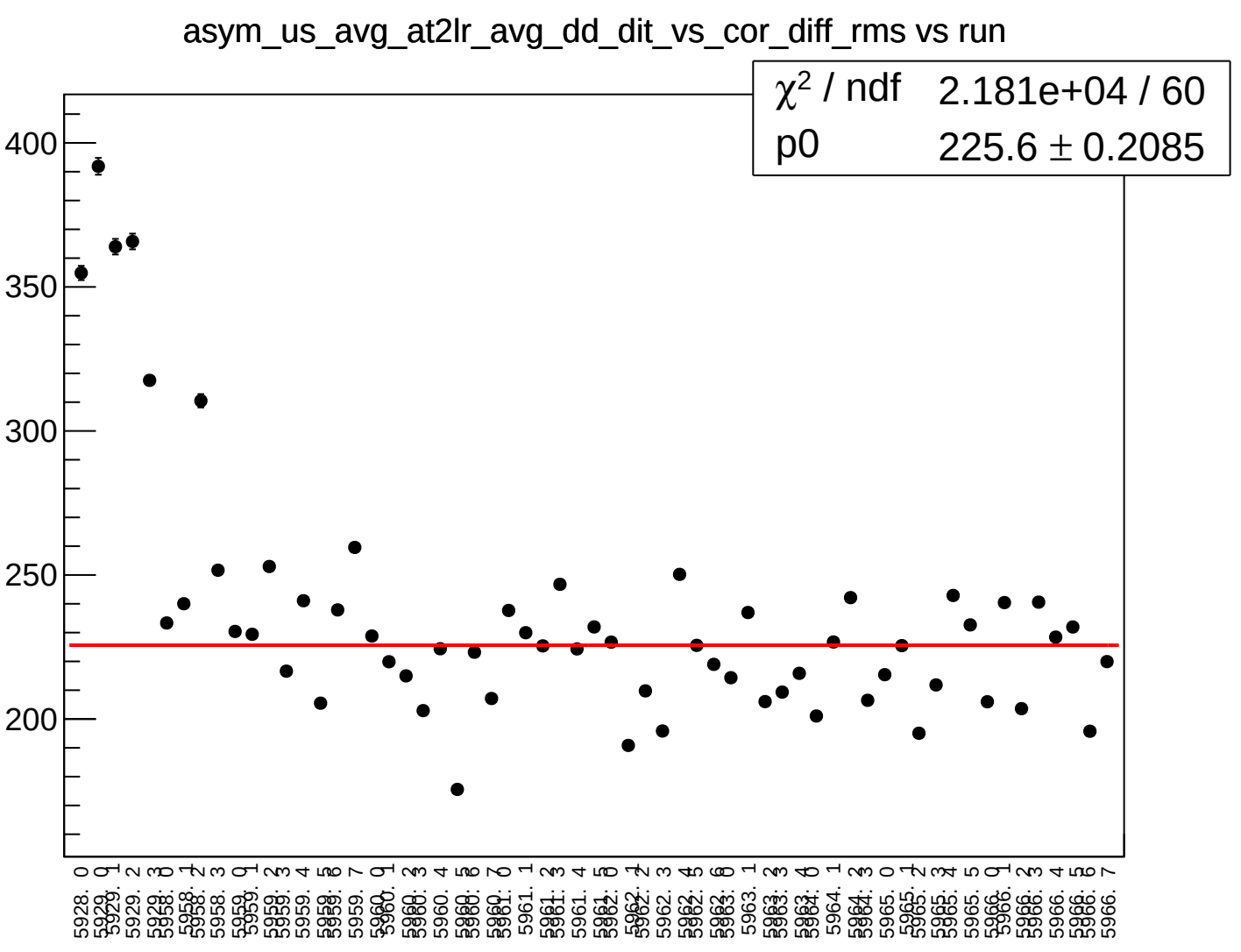

pull1D
Entries 61
Mean 0.02042
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

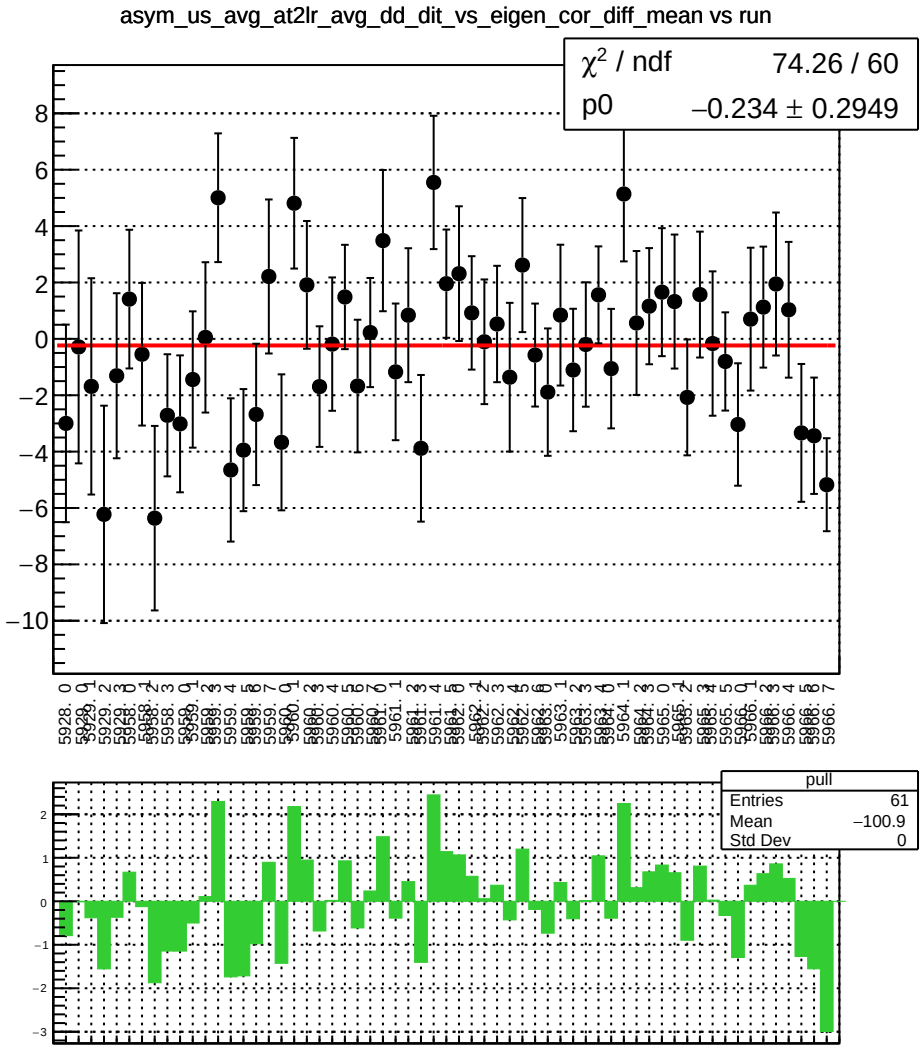

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.901e+05 / 60
p0 4.064e−10 ± 5.732e−13
1
0.8
0.6
0.4
0.2
0

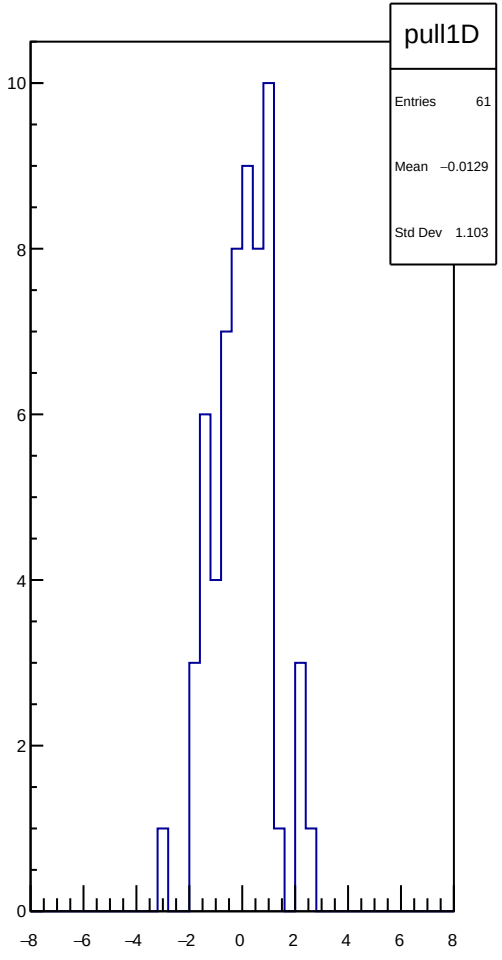

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.26 / 60
p0 −0.234 ± 0.2949

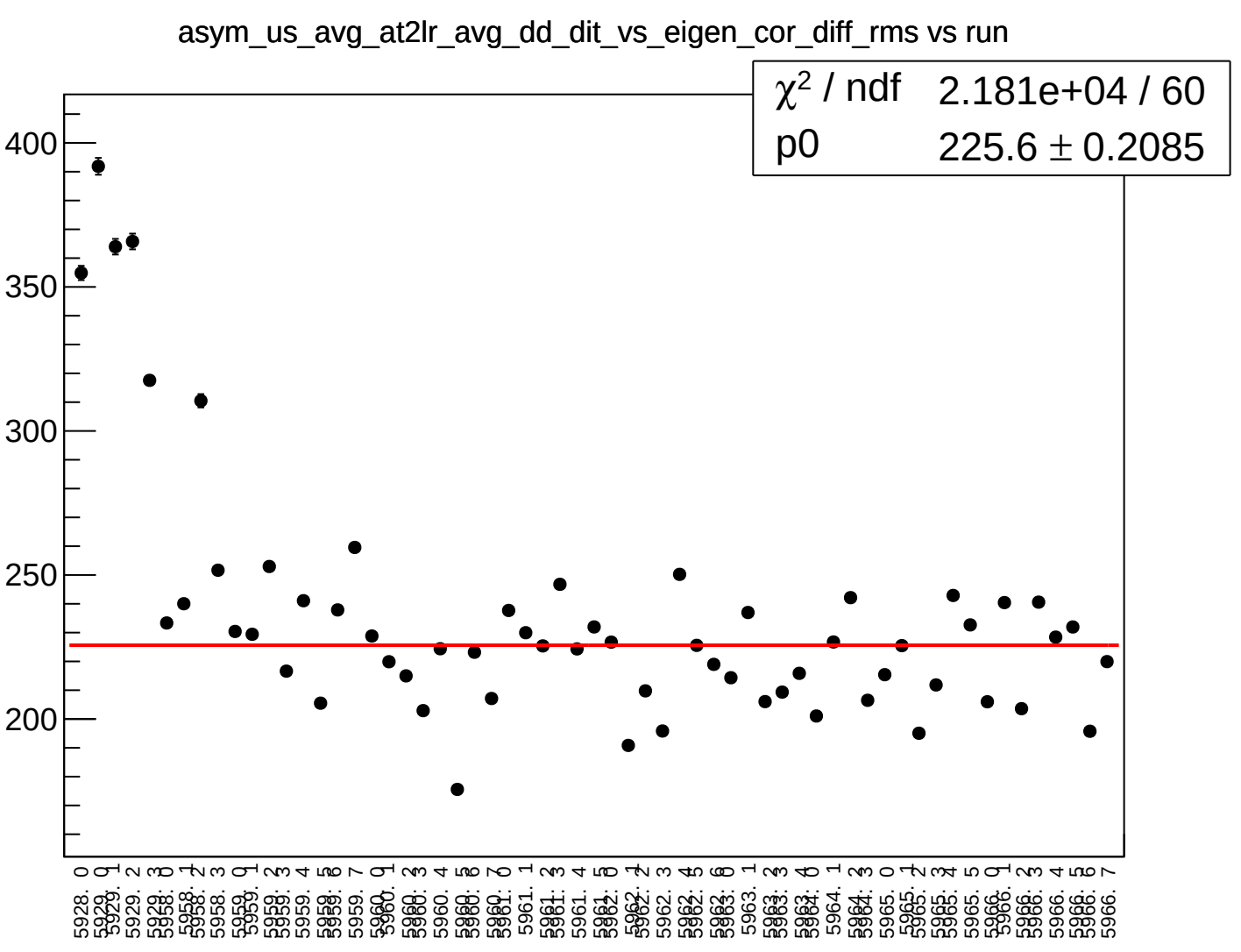

pull
Entries 61
Mean −100.9
Std Dev 0

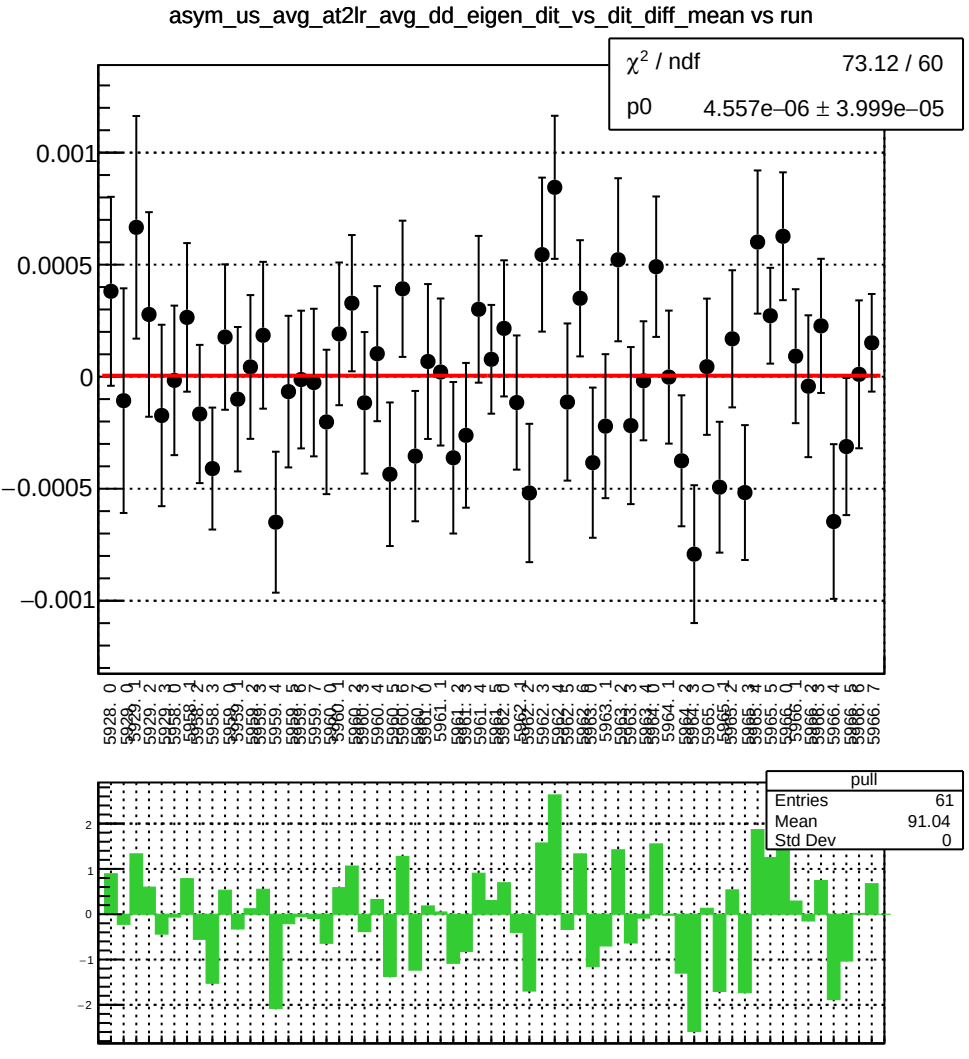

pull1D
Entries 61
Mean −0.0129
Std Dev 1.103

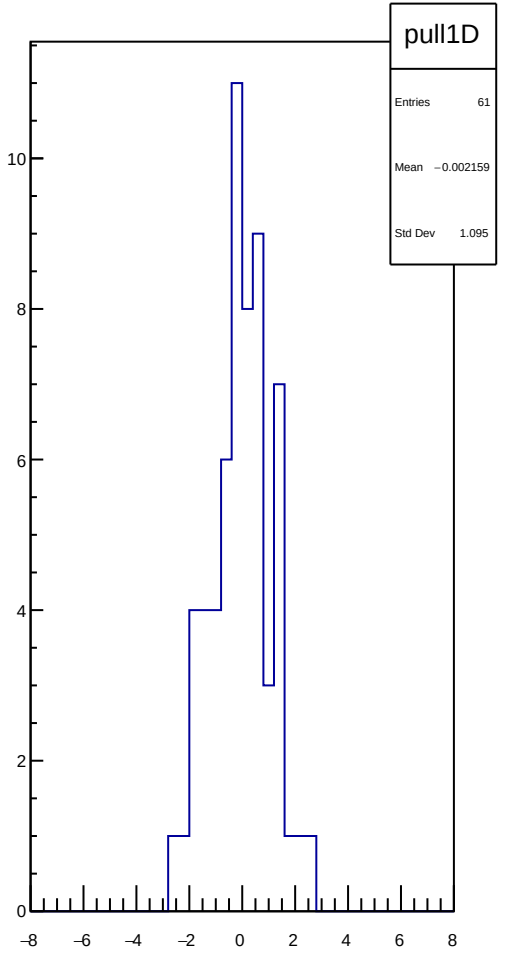

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 60
p0 225.6 ± 0.2085
400
350
300
250
200

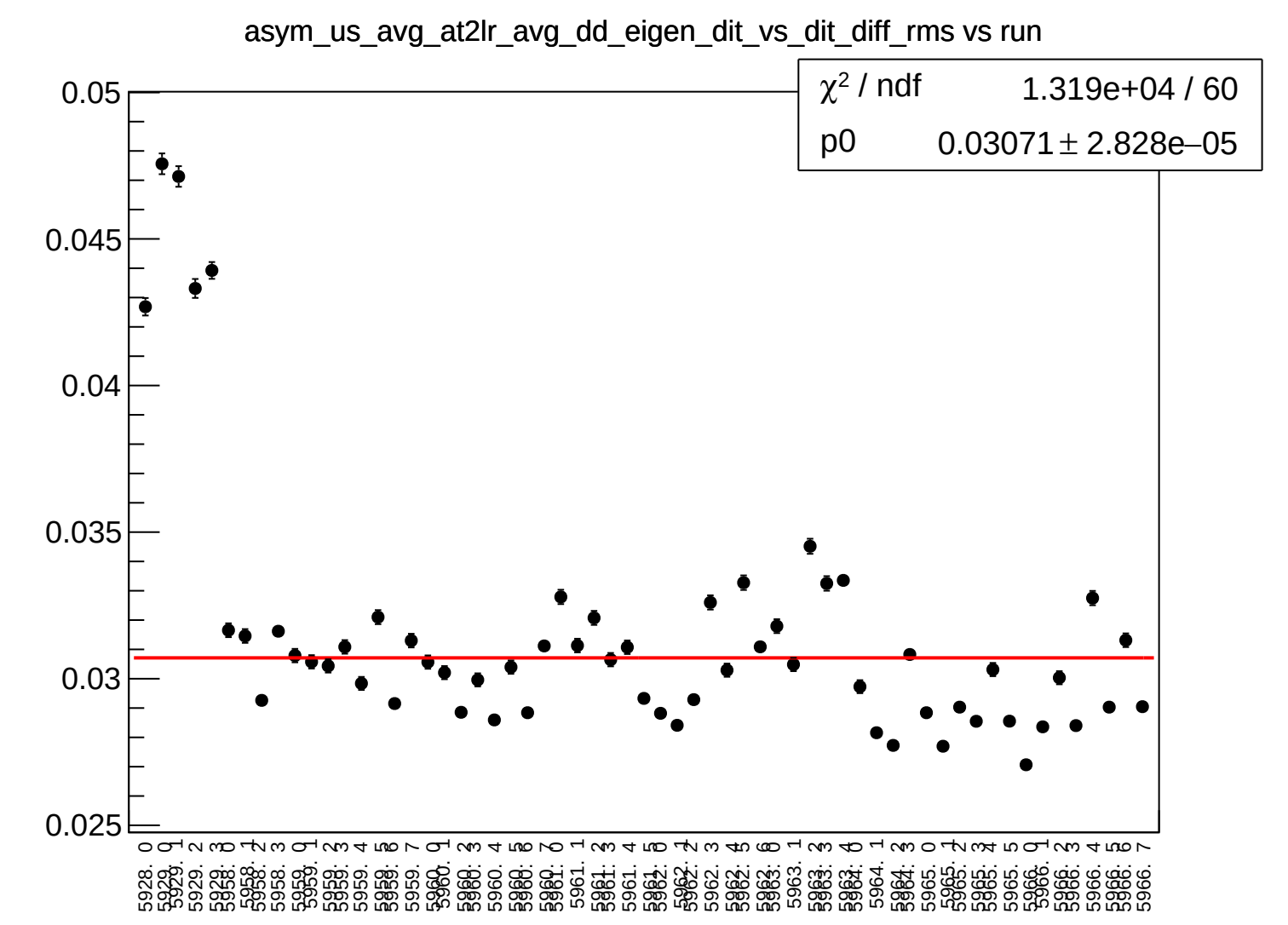

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.26 / 60
p0 −0.234 ± 0.2949
pull
Entries 61
Mean −100.9
Std Dev 0

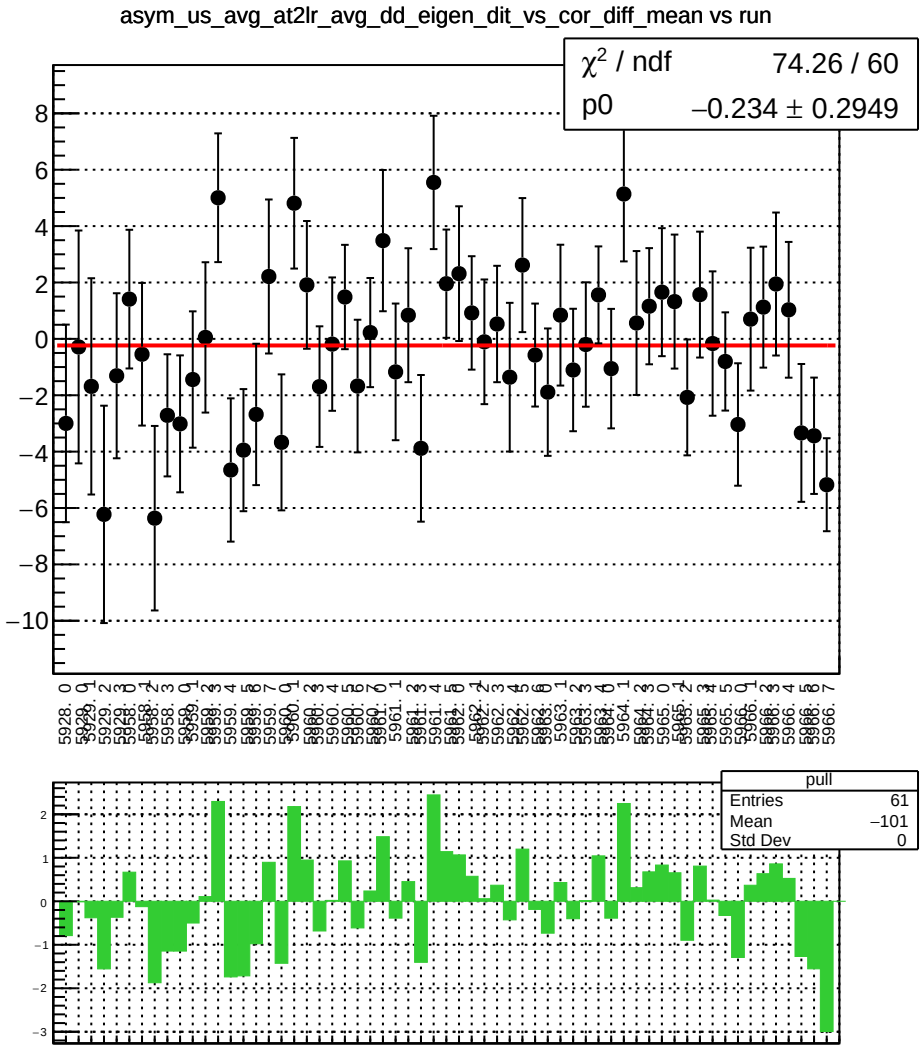

pull1D
Entries 61
Mean −0.0129
Std Dev 1.103

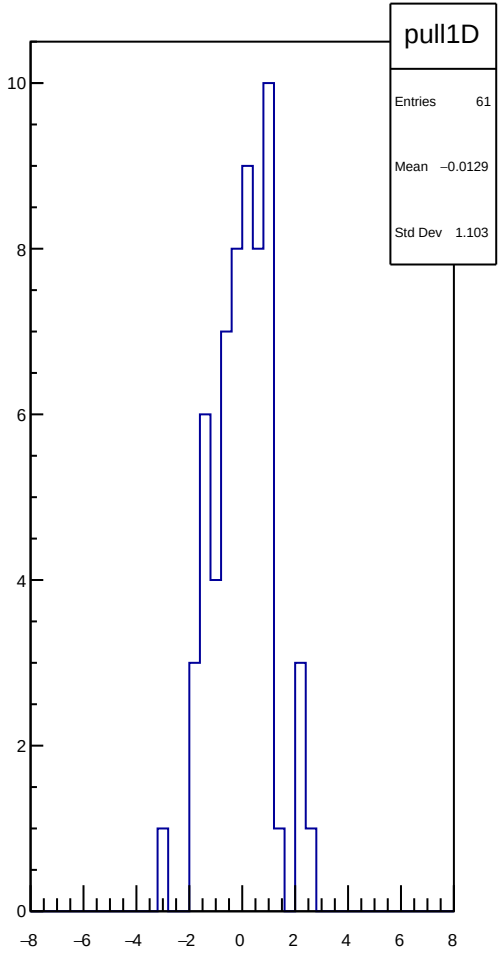

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 60
p0 225.6 ± 0.2085
400
350
300
250
200

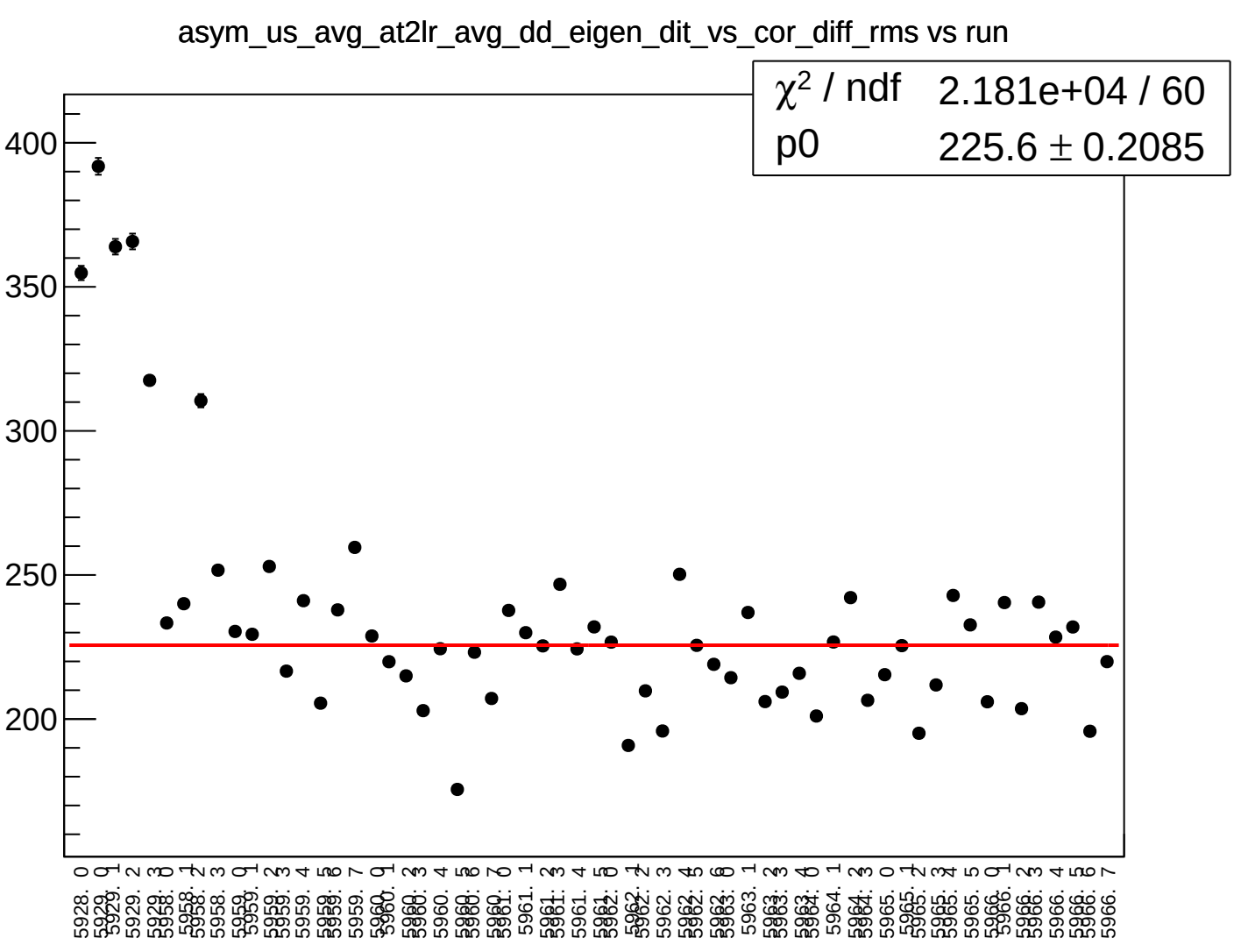

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.12 / 60
p0 4.557e−06 ± 3.999e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 61
Mean 91.04
Std Dev 0
2
1
0
−1
−2

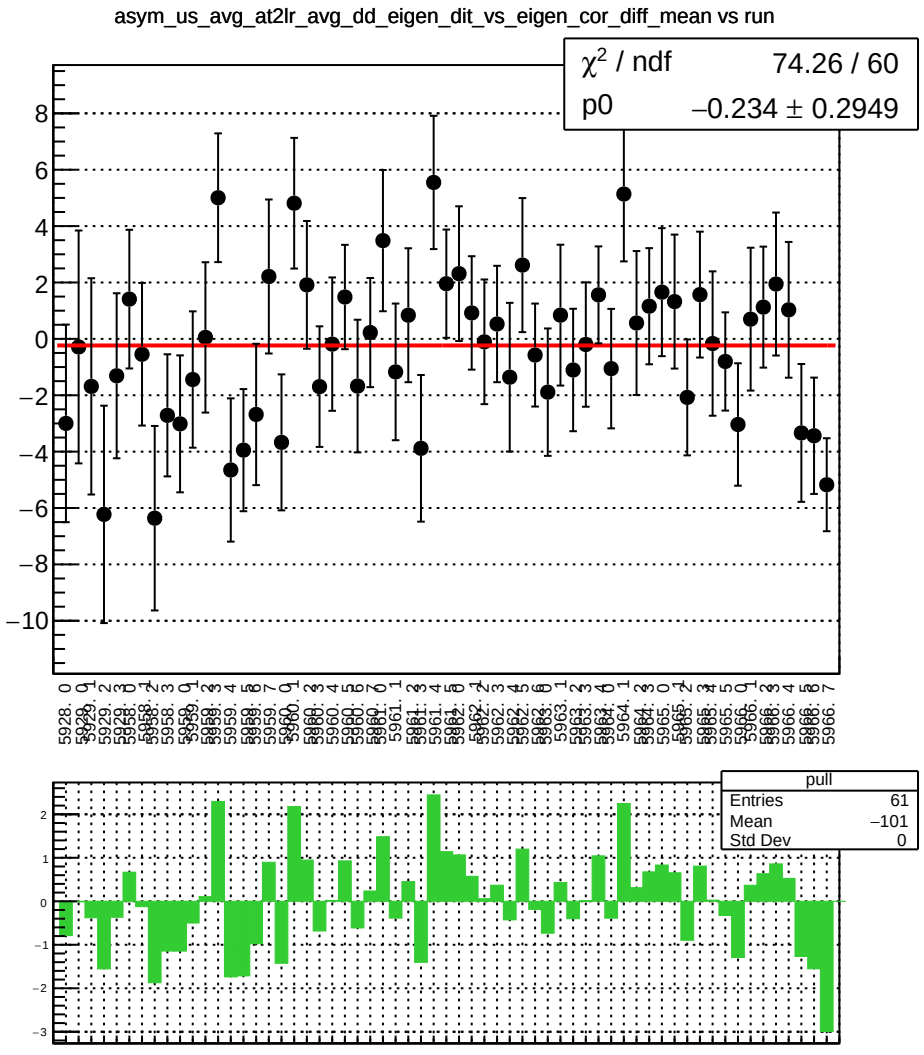

pull1D
Entries 61
Mean −0.002159
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

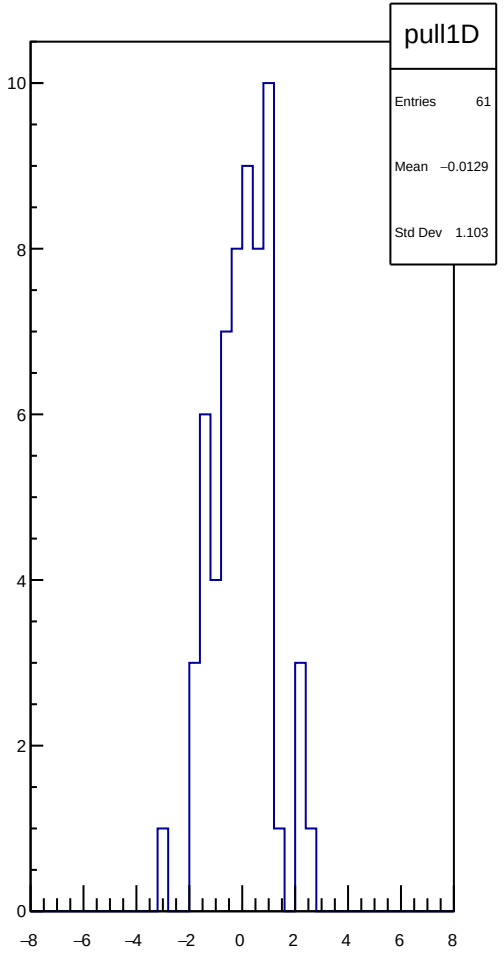

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.319e+04 / 60
p0 0.03071 ± 2.828e−05
0.05
0.045
0.04
0.035
0.03
0.025

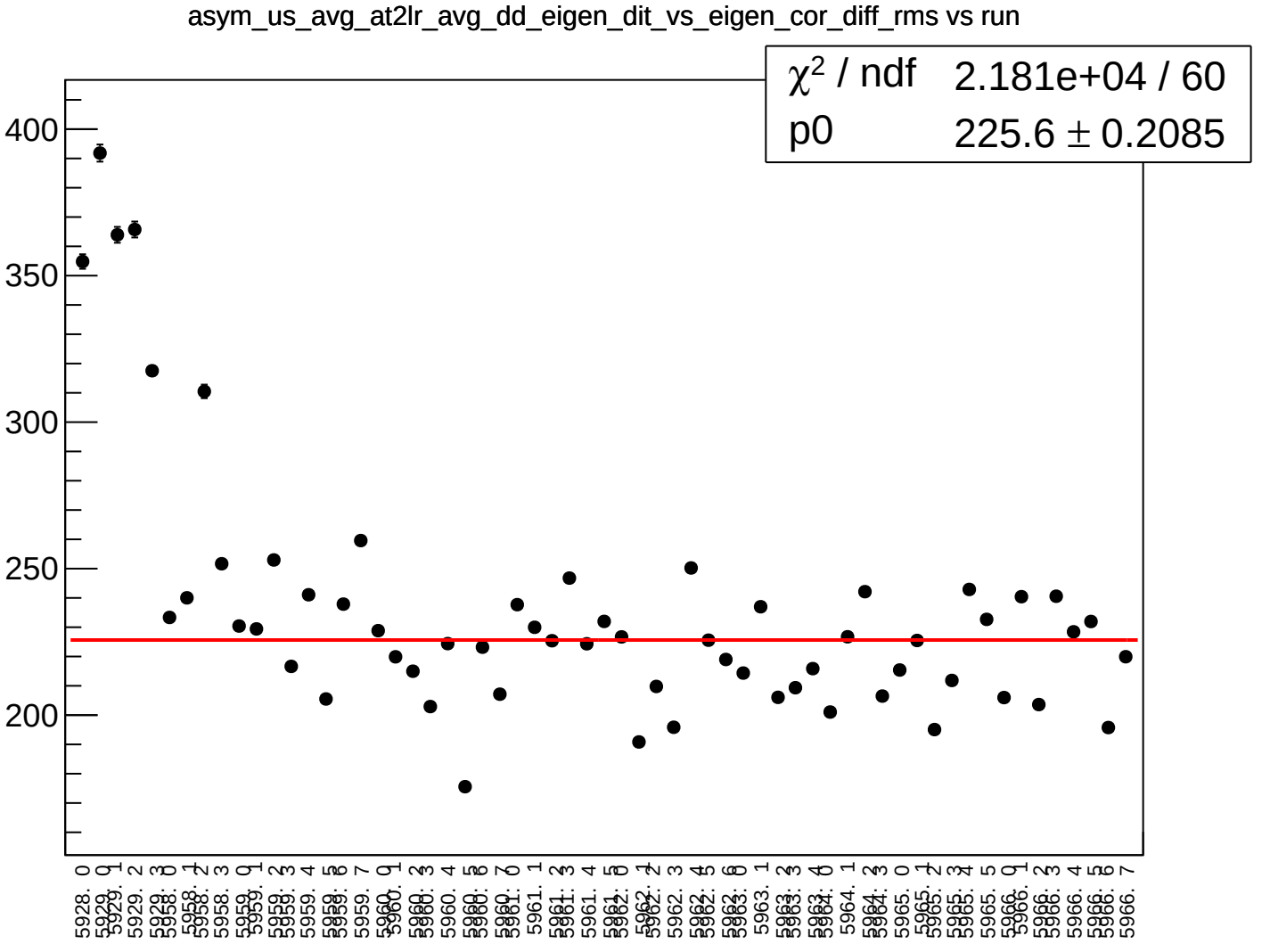

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.26 / 60
p0 −0.234 ± 0.2949
pull
Entries 61
Mean −101
Std Dev 0

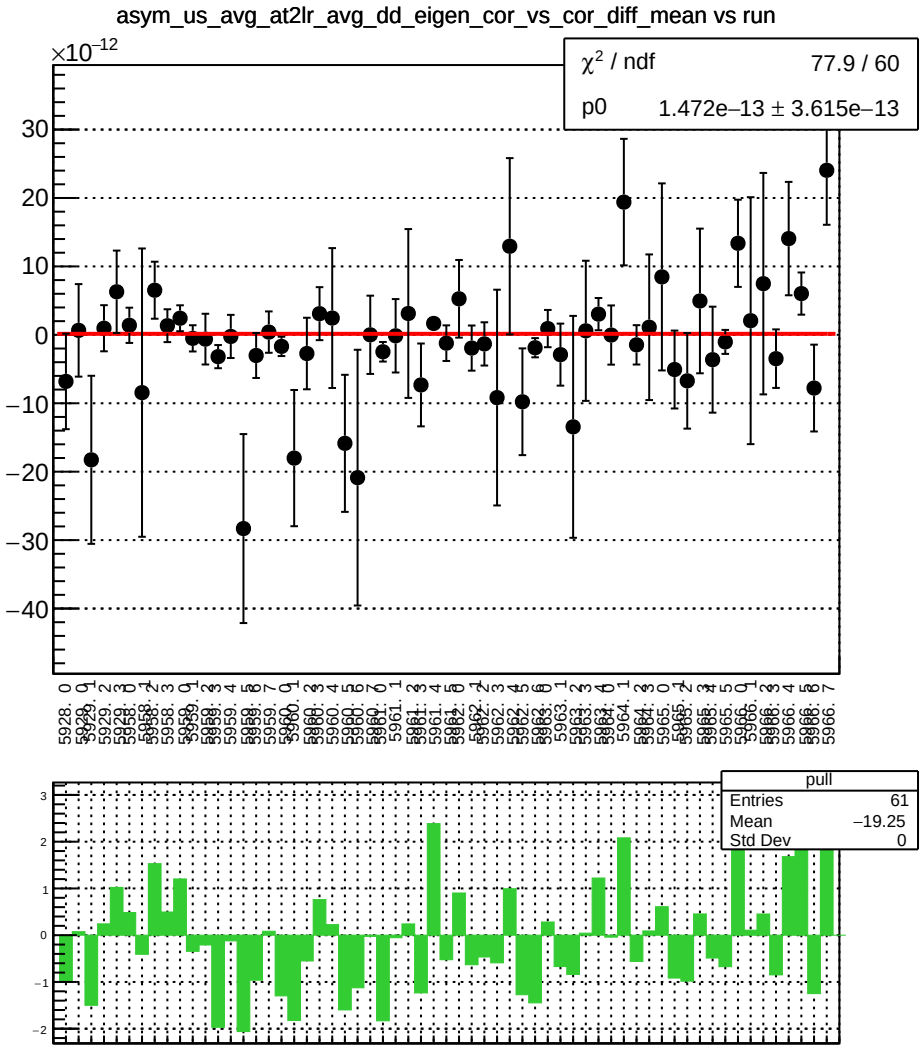

pull1D
Entries 61
Mean −0.0129
Std Dev 1.103

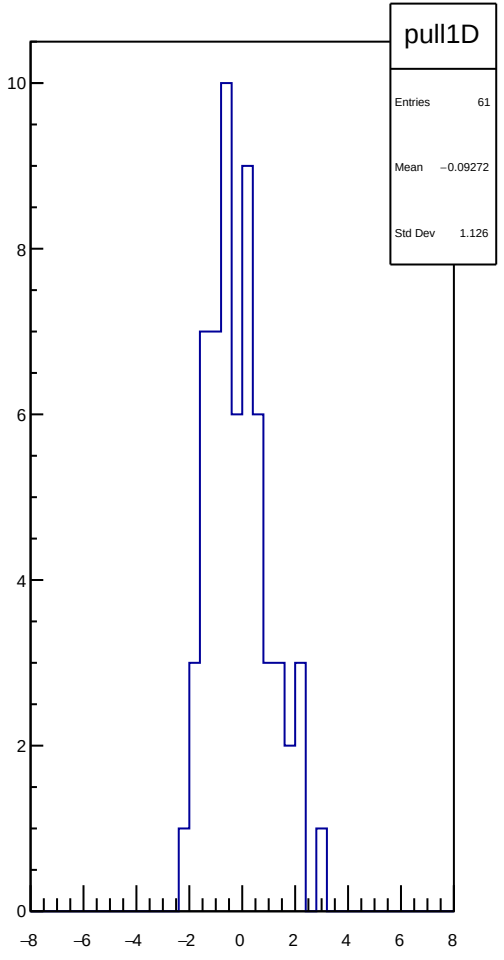

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 60
p0 225.6 ± 0.2085
400
350
300
250
200

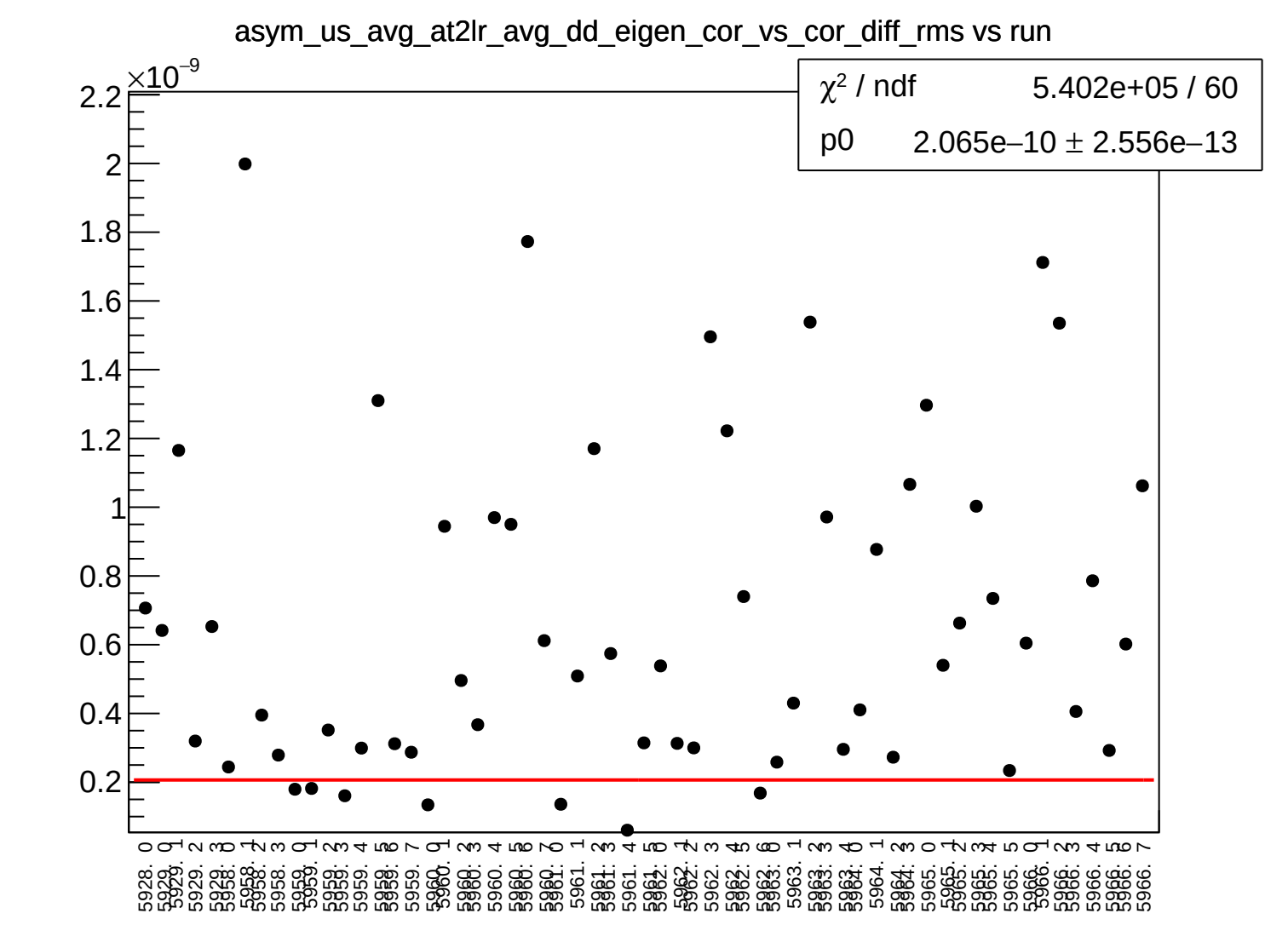

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.26 / 60
p0 −0.234 ± 0.2949
pull
Entries 61
Mean −101
Std Dev 0

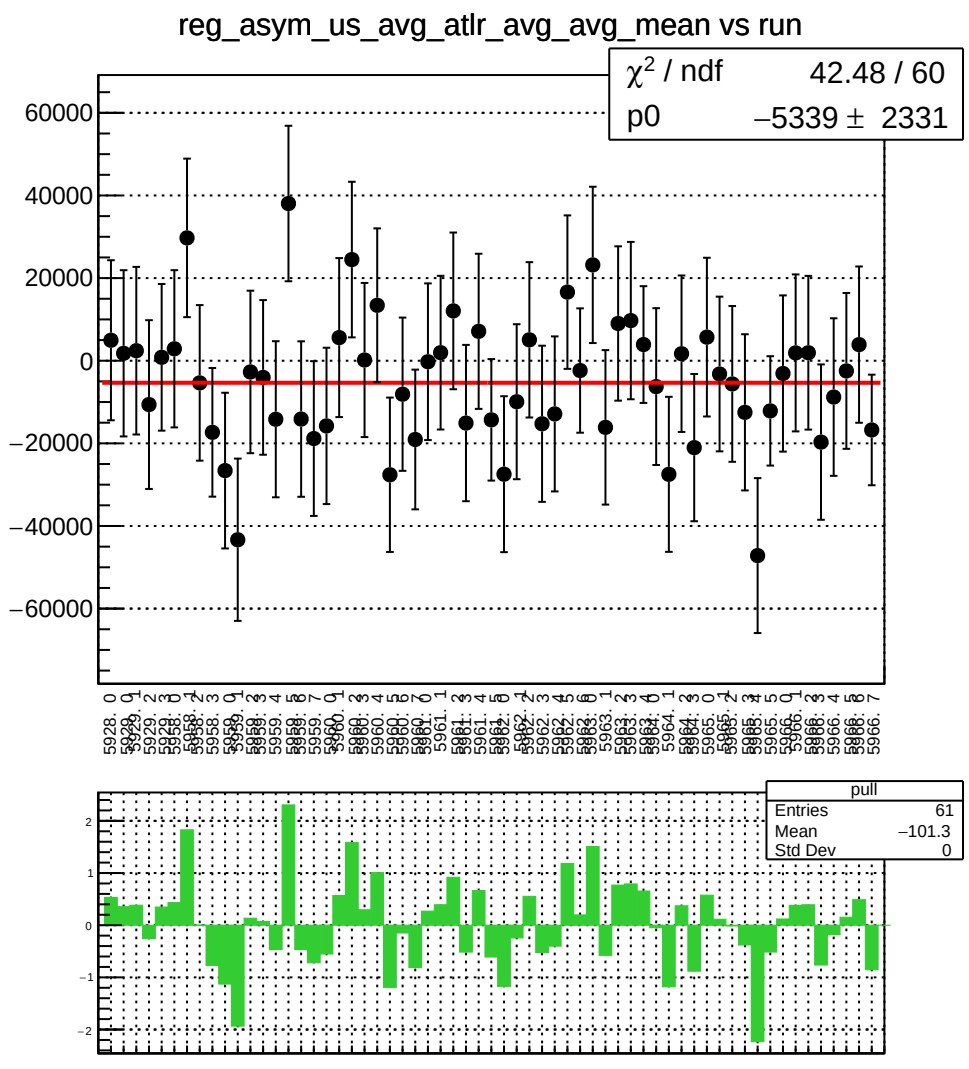

pull1D
Entries 61
Mean −0.0129
Std Dev 1.103

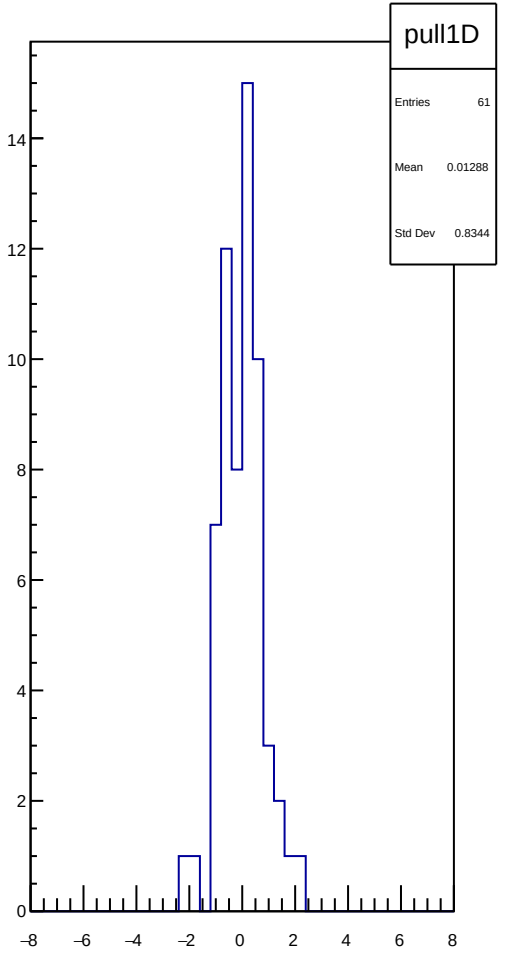

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.181e+04 / 60
p0 225.6 ± 0.2085
400
350
300
250
200

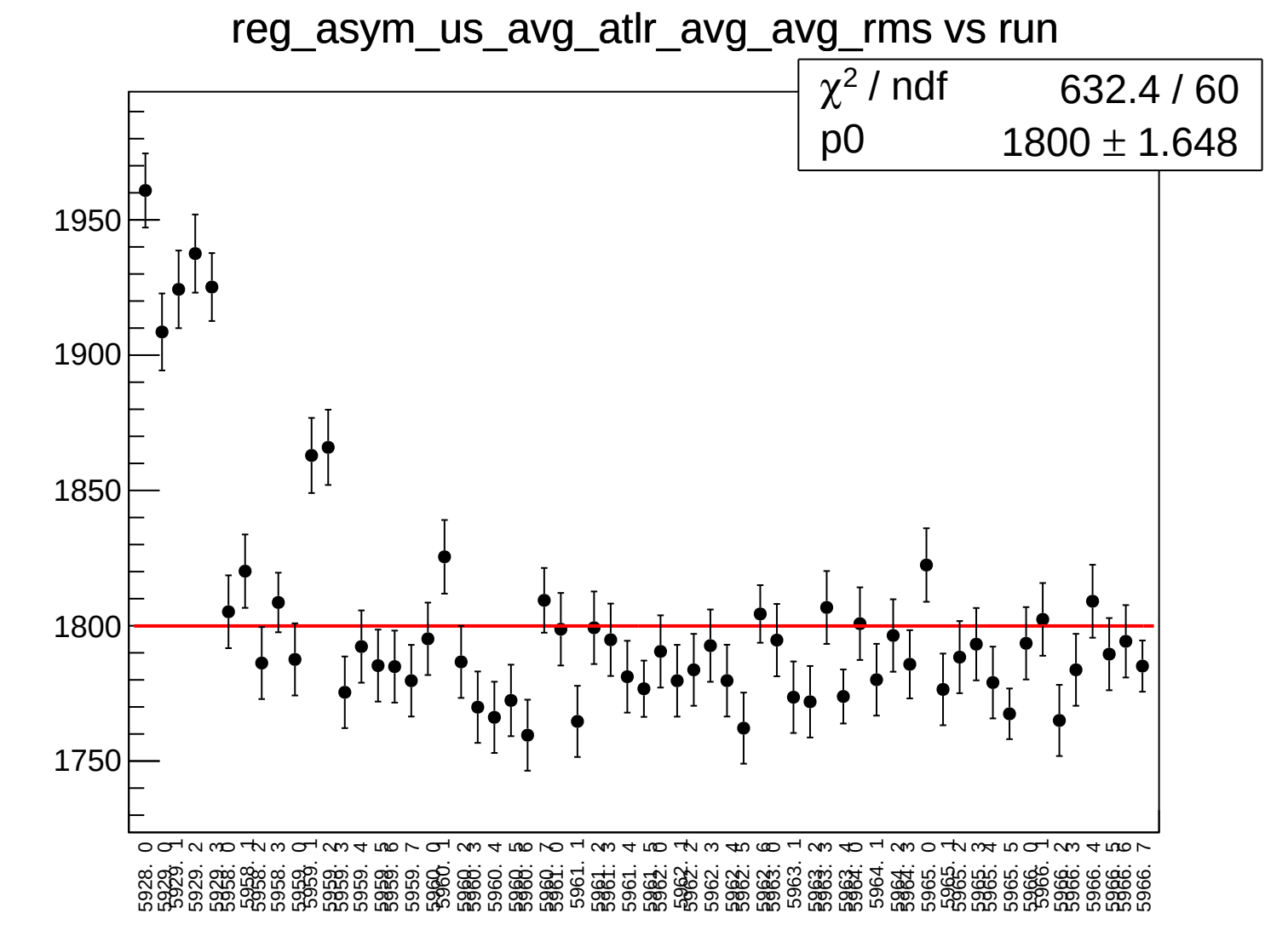

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.9 / 60
p0 1.472e−13 ± 3.615e−13
pull
Entries 61
Mean −19.25
Std Dev 0

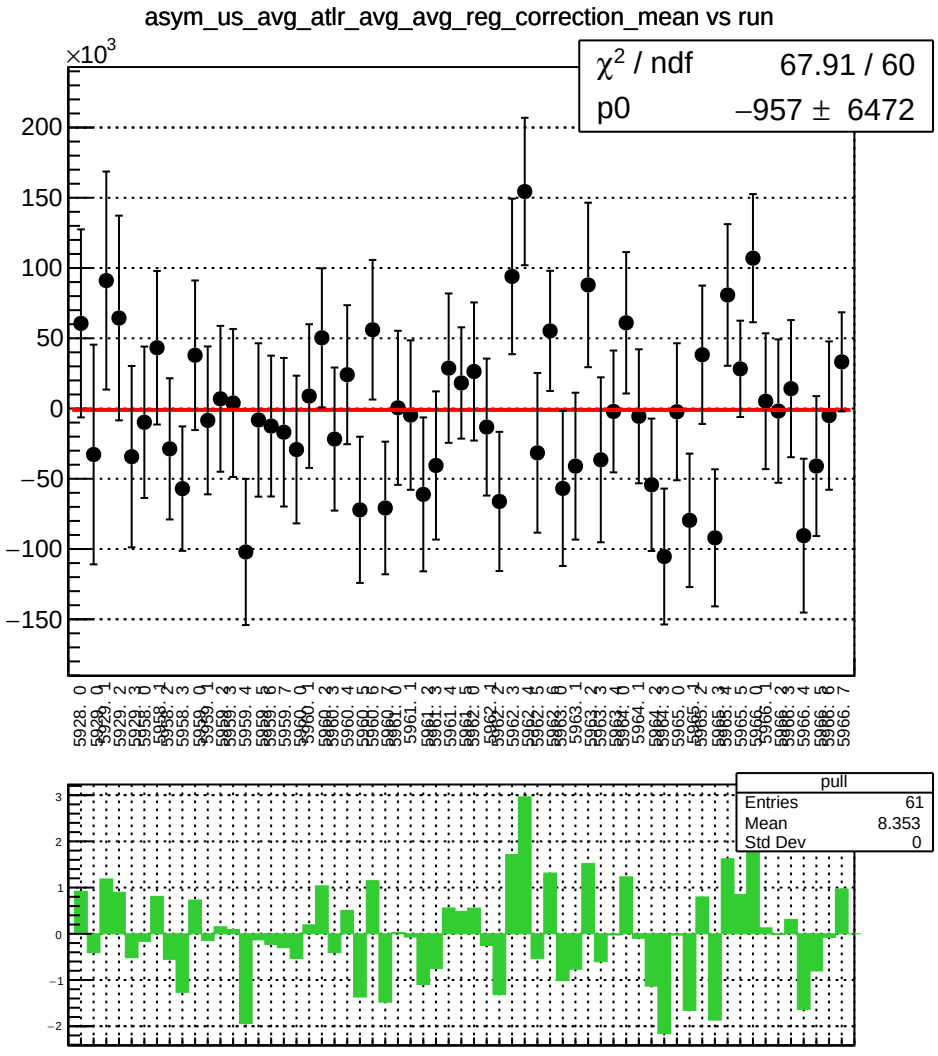

pull1D
Entries 61
Mean −0.09272
Std Dev 1.126

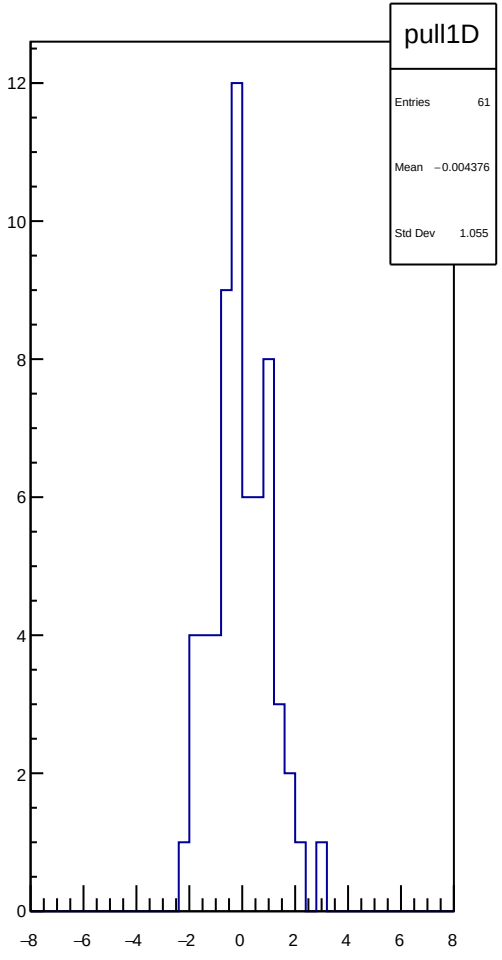

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.402e+05 / 60
p0 2.065e−10 ± 2.556e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

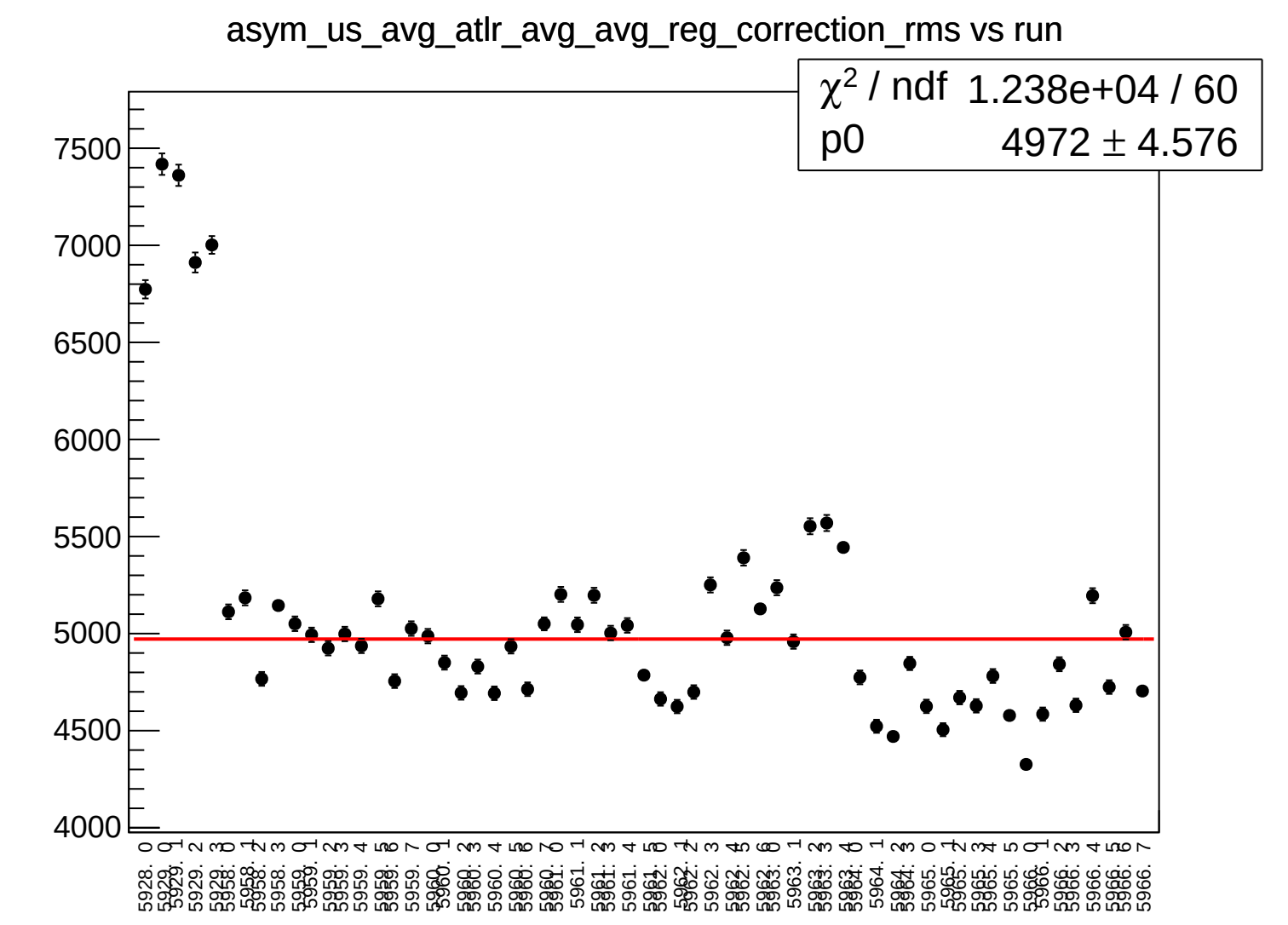

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 42.48 / 60
p0 −5339 ± 2331
pull
Entries 61
Mean −101.3
Std Dev 0

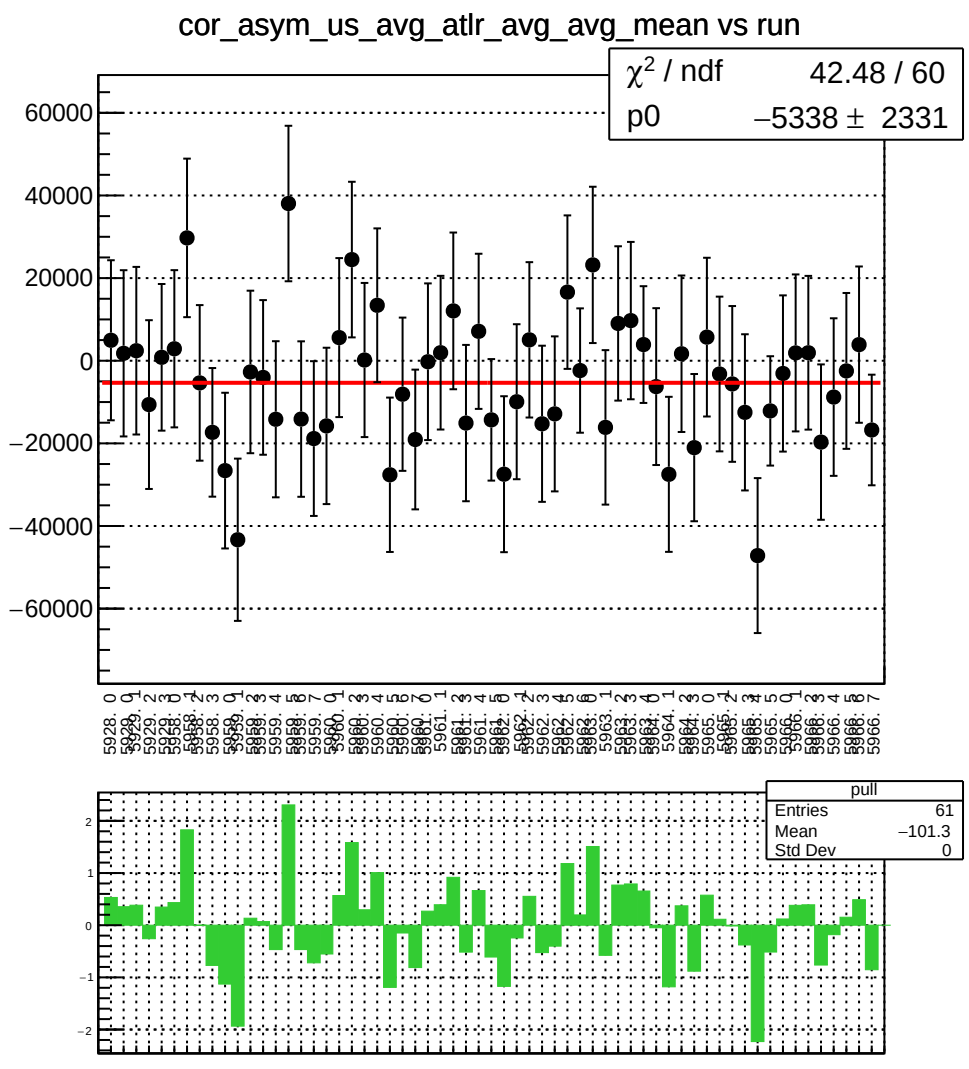

pull1D
Entries 61
Mean 0.01288
Std Dev 0.8344

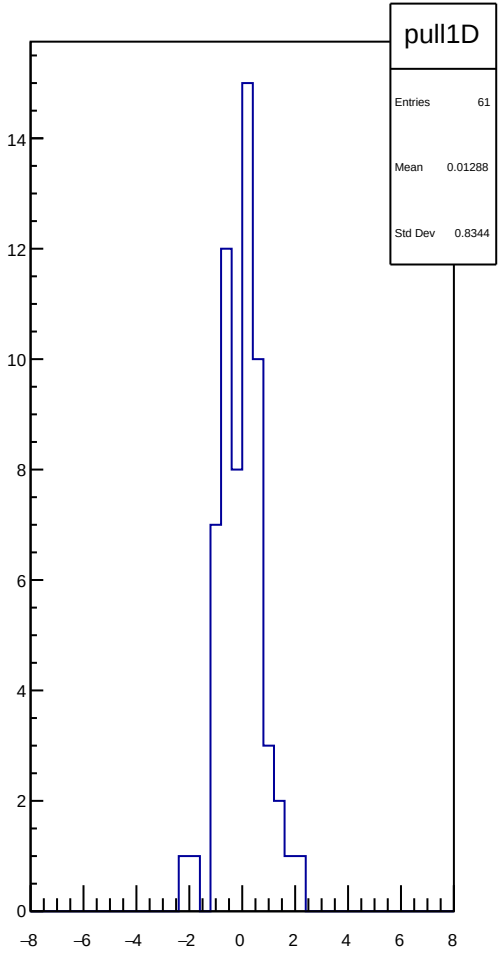

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 632.4 / 60
p0 1800 ± 1.648
1950
1900
1850
1800
1750

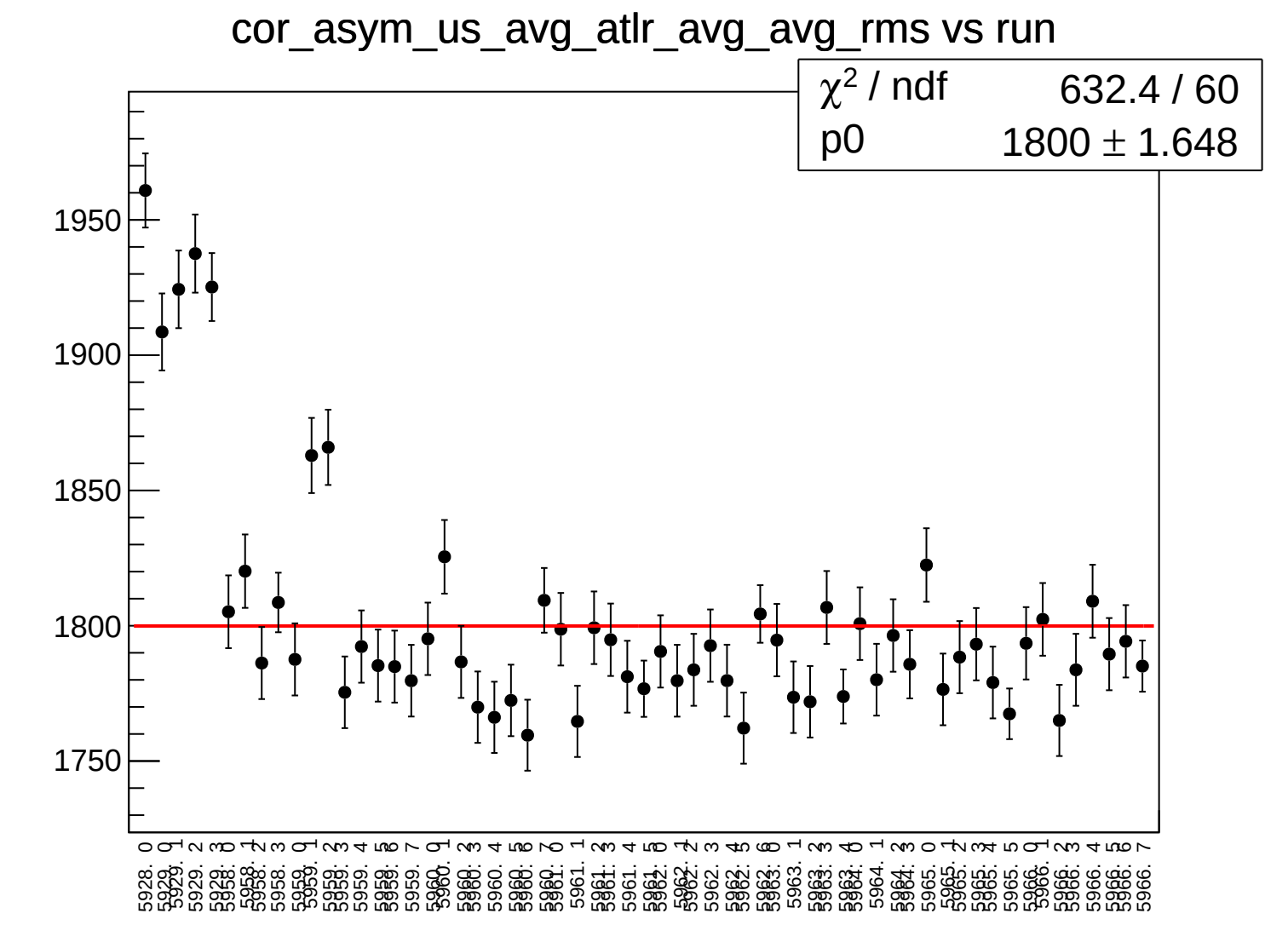

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 67.91 / 60
p0 −957 ± 6472
pull
Entries 61
Mean 8.353
Std Dev 0

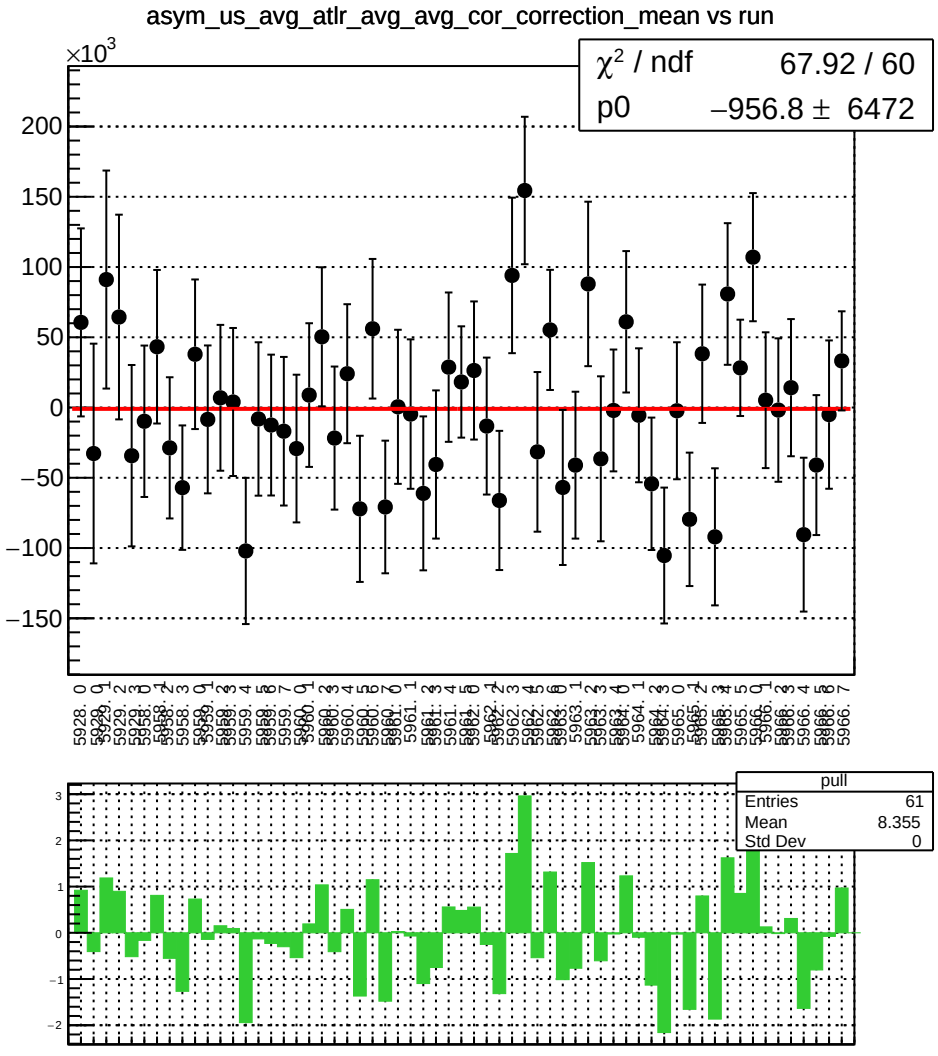

pull1D
Entries 61
Mean −0.004376
Std Dev 1.055

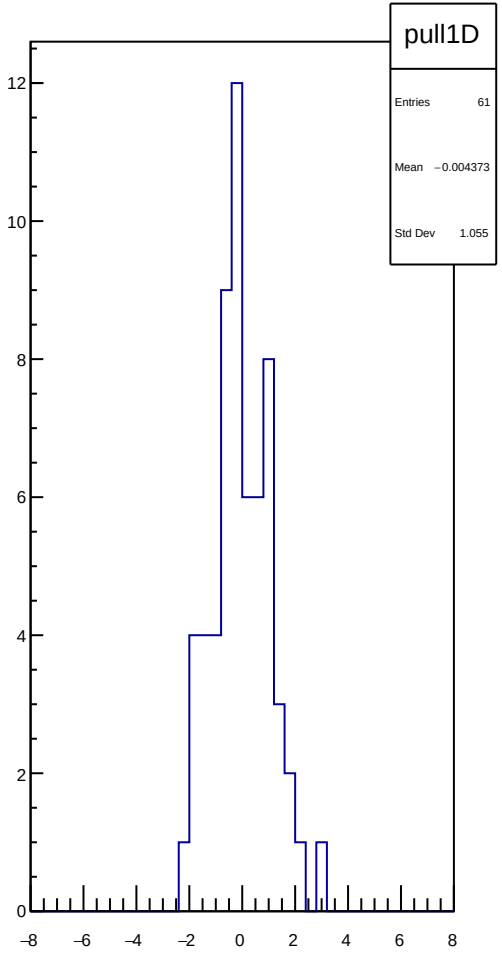

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 4972 ± 4.576
7500
7000
6500
6000
5500
5000
4500
4000

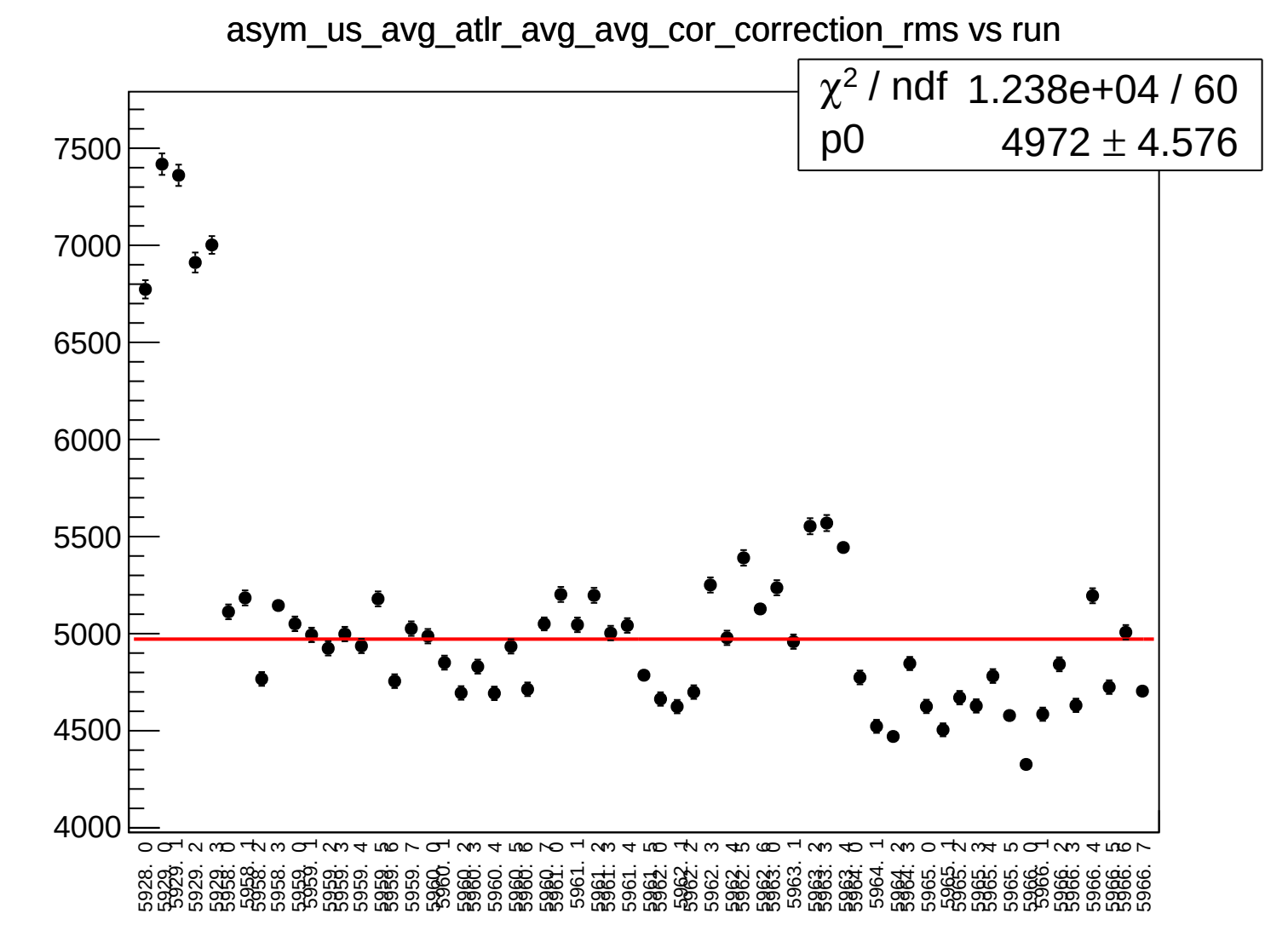

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 42.48 / 60
p0 −5338 ± 2331
pull
Entries 61
Mean −101.3
Std Dev 0

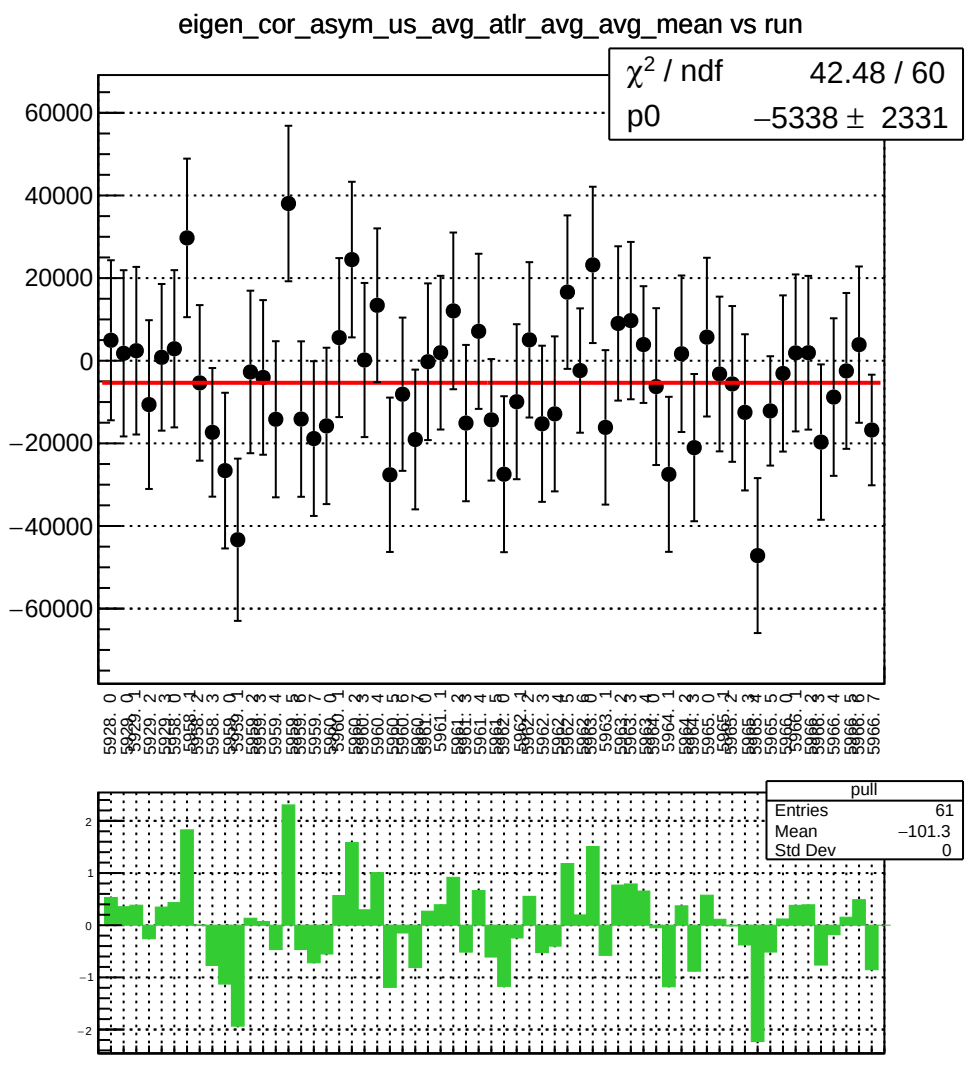

pull1D
Entries 61
Mean 0.01288
Std Dev 0.8344

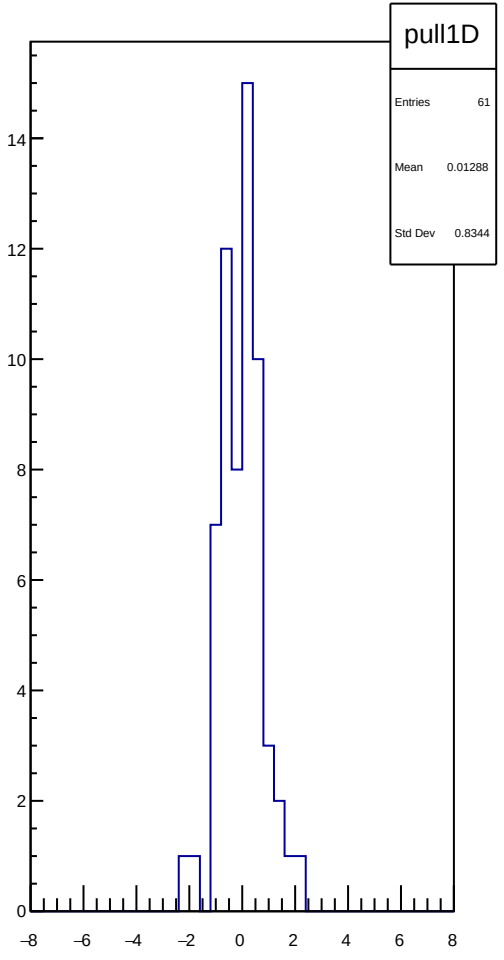

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 632.4 / 60
p0 1800 ± 1.648
1950
1900
1850
1800
1750

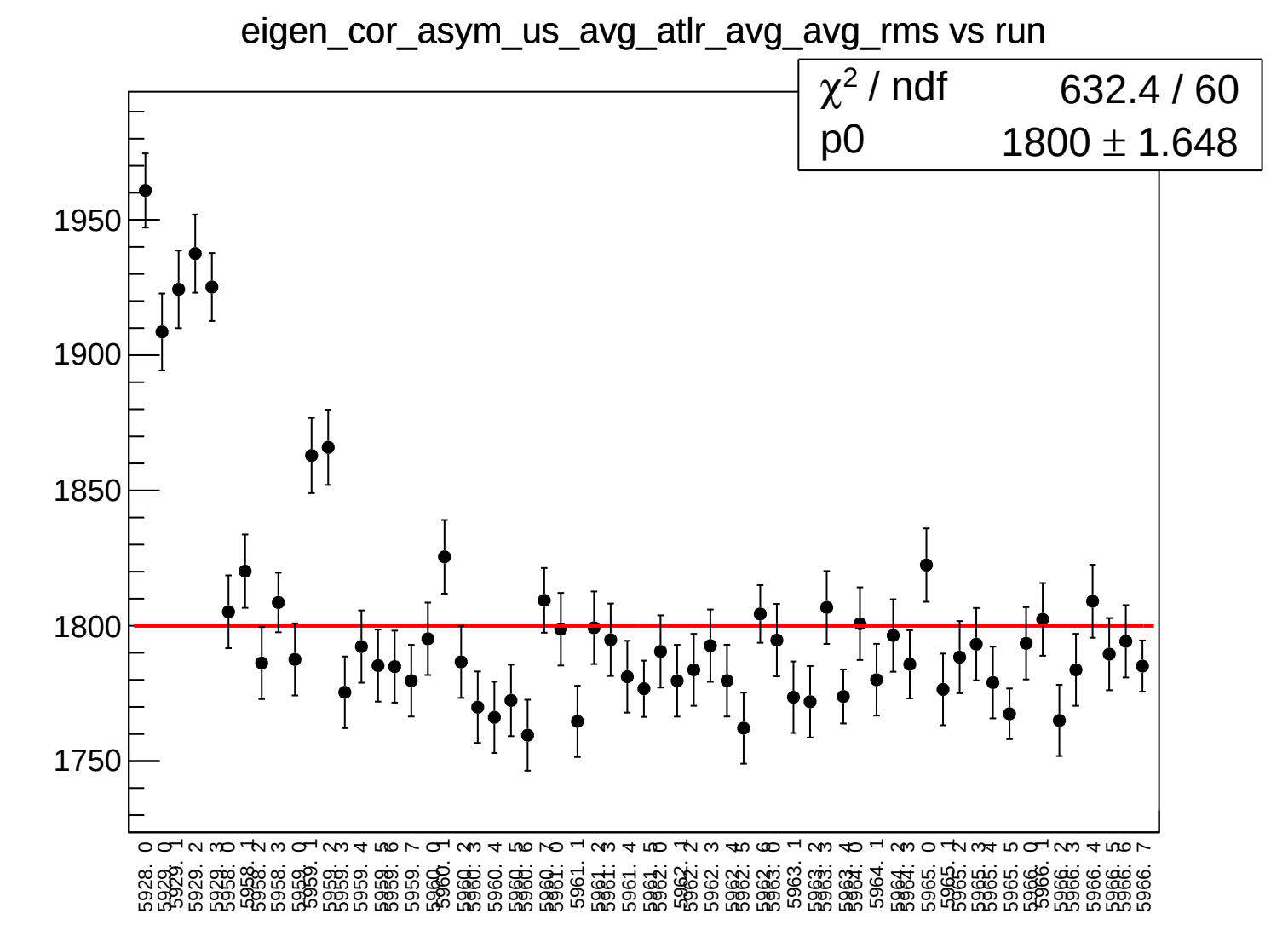

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
χ² / ndf 67.92 / 60
p0 −956.8 ± 6472
pull
Entries 61
Mean 8.355
Std Dev 0

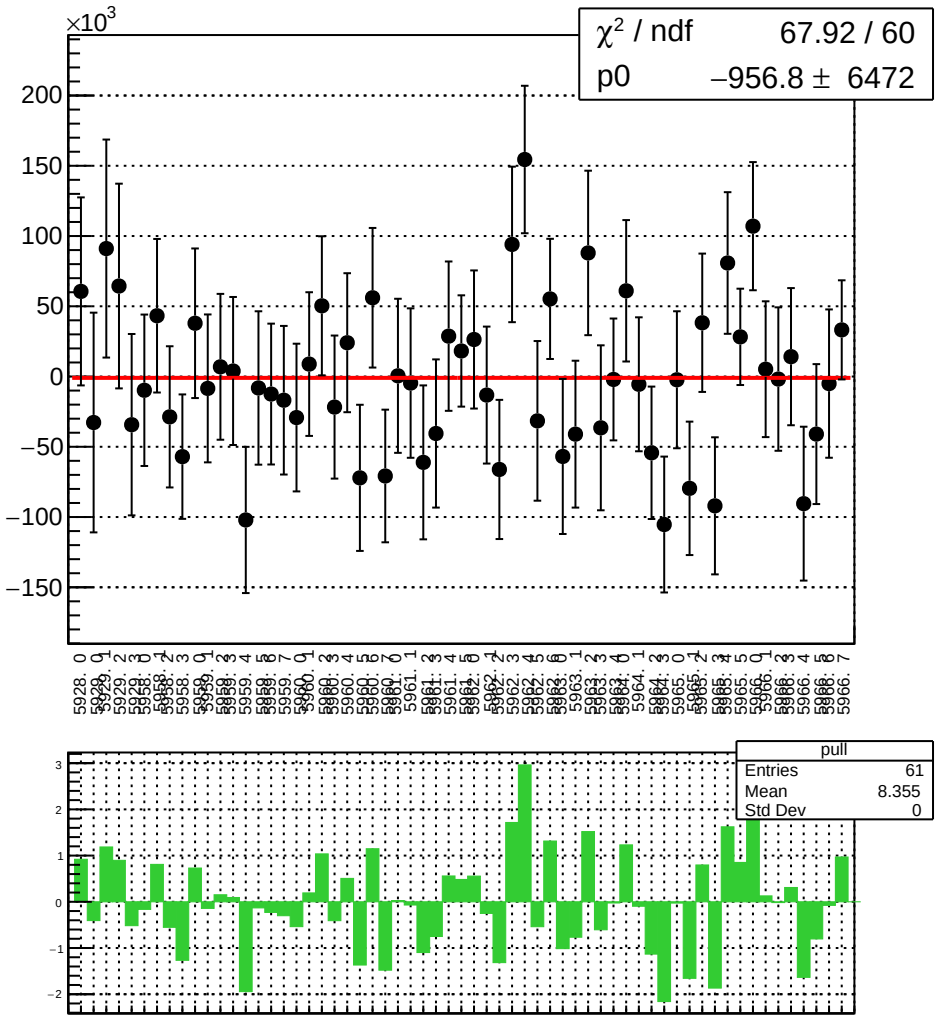

pull1D
Entries 61
Mean −0.004373
Std Dev 1.055

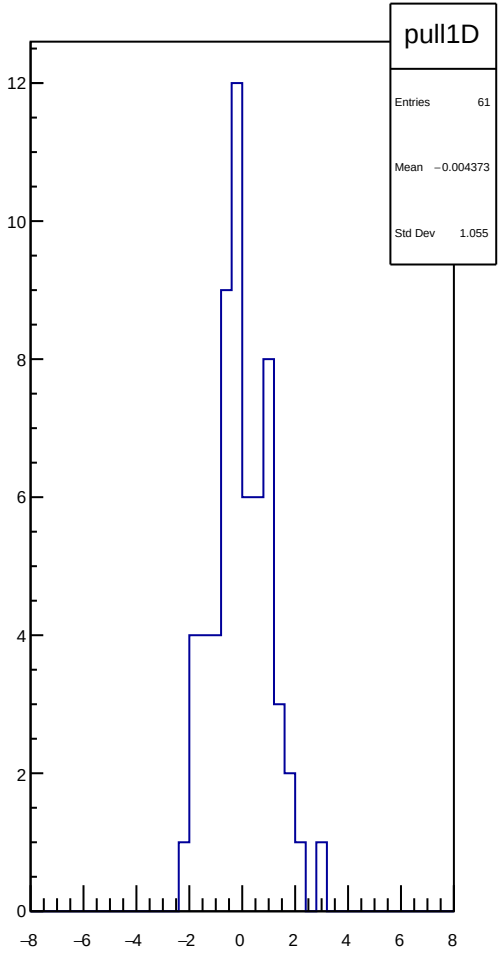

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 4972 ± 4.576
7500
7000
6500
6000
5500
5000
4500
4000

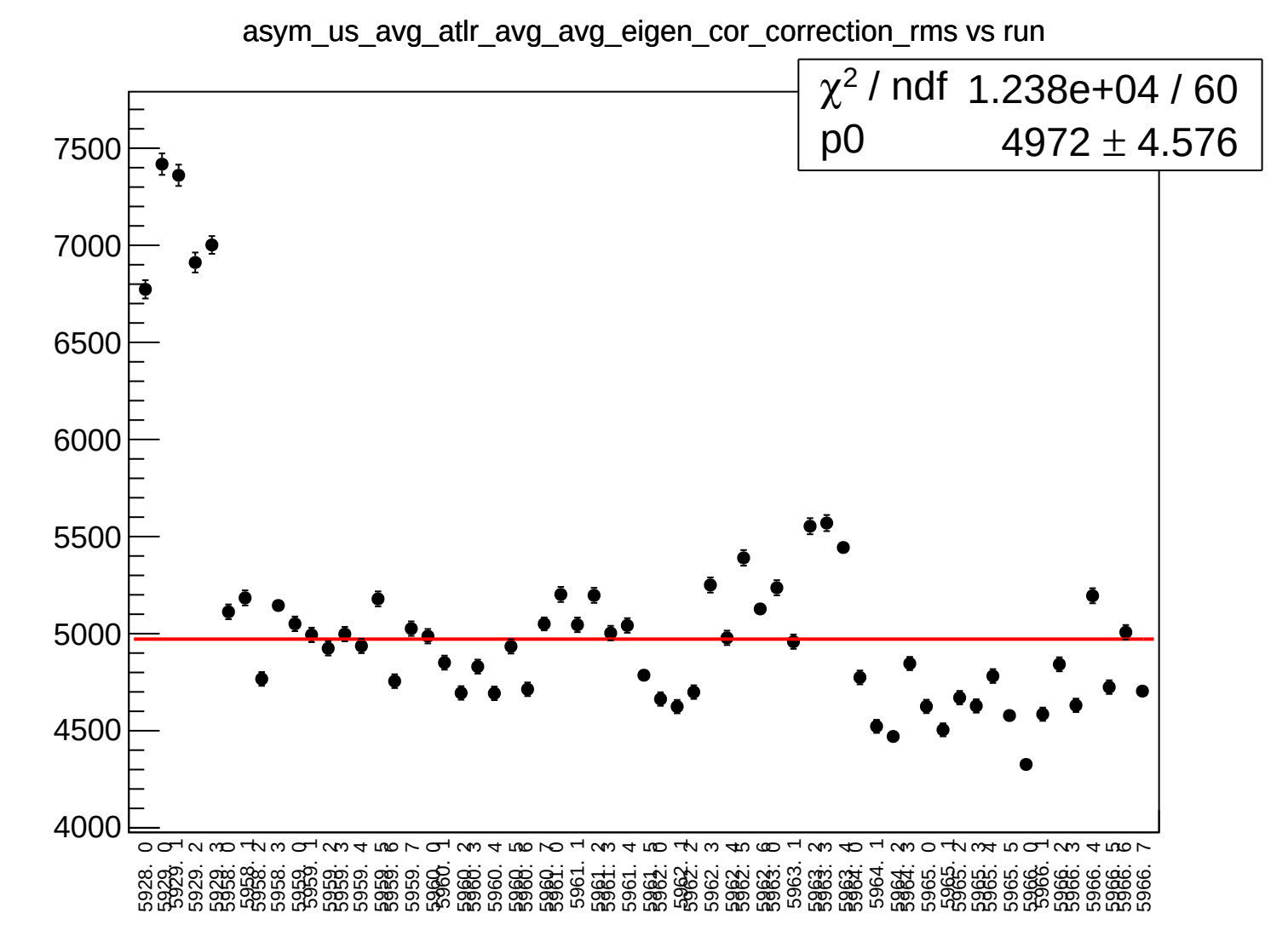

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 42.48 / 60
p0 −5338 ± 2331
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −101.3
Std Dev 0
2
1
0
−1
−2

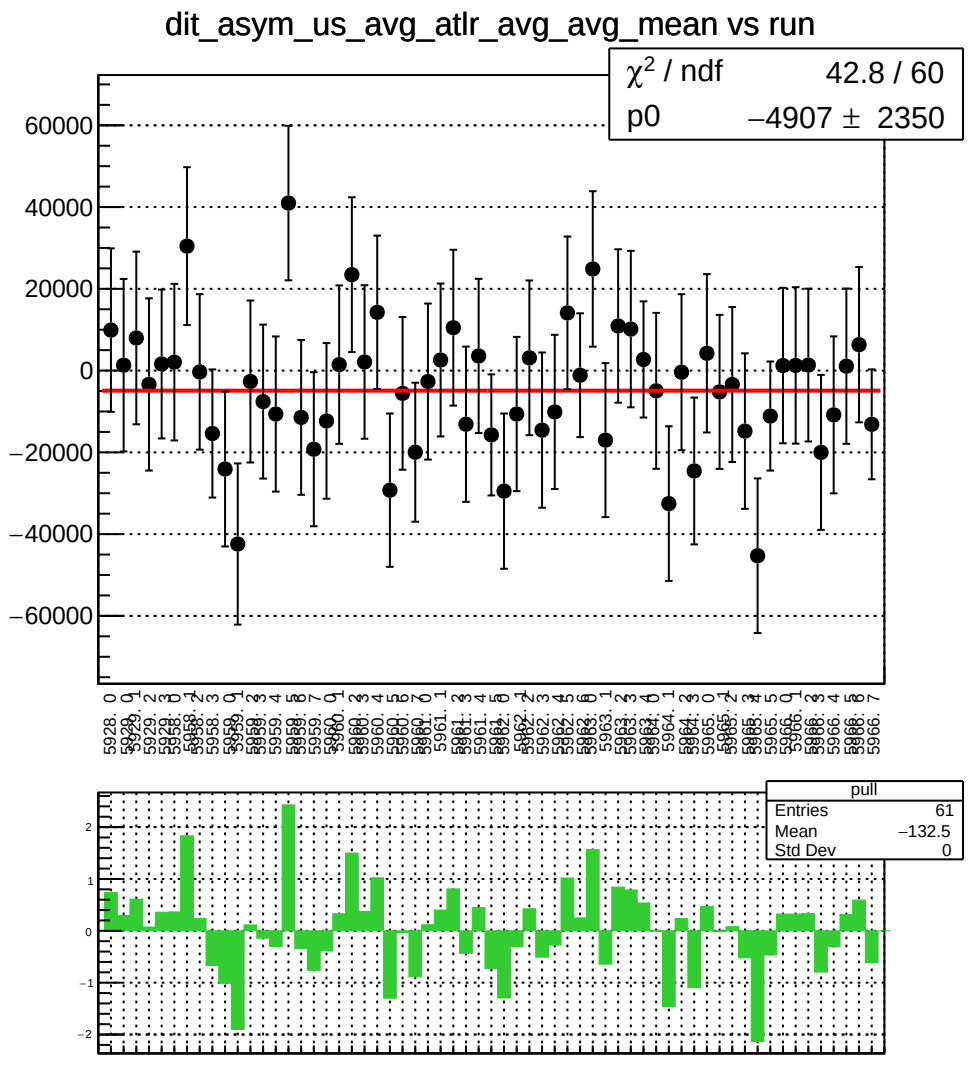

pull1D
Entries 61
Mean 0.01288
Std Dev 0.8344
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

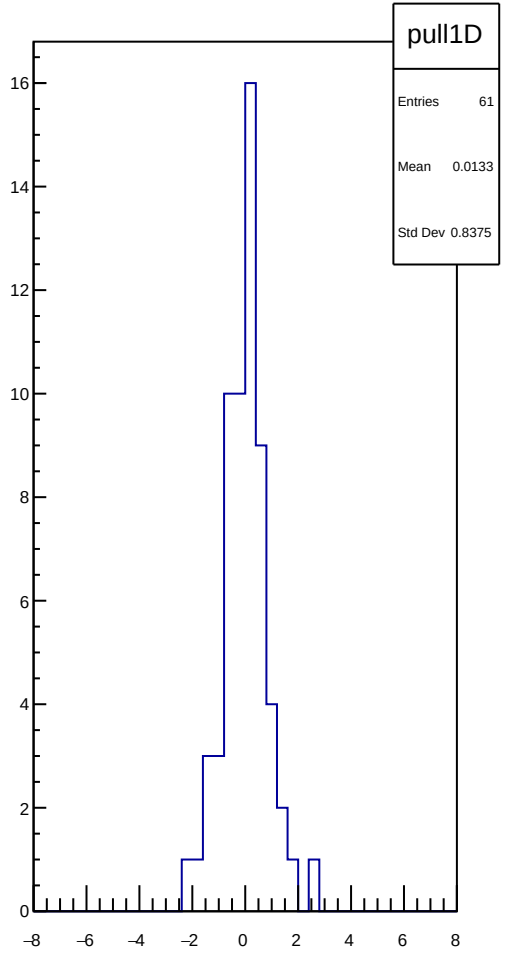

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 632.4 / 60
p0 1800 ± 1.648
1950
1900
1850
1800
1750

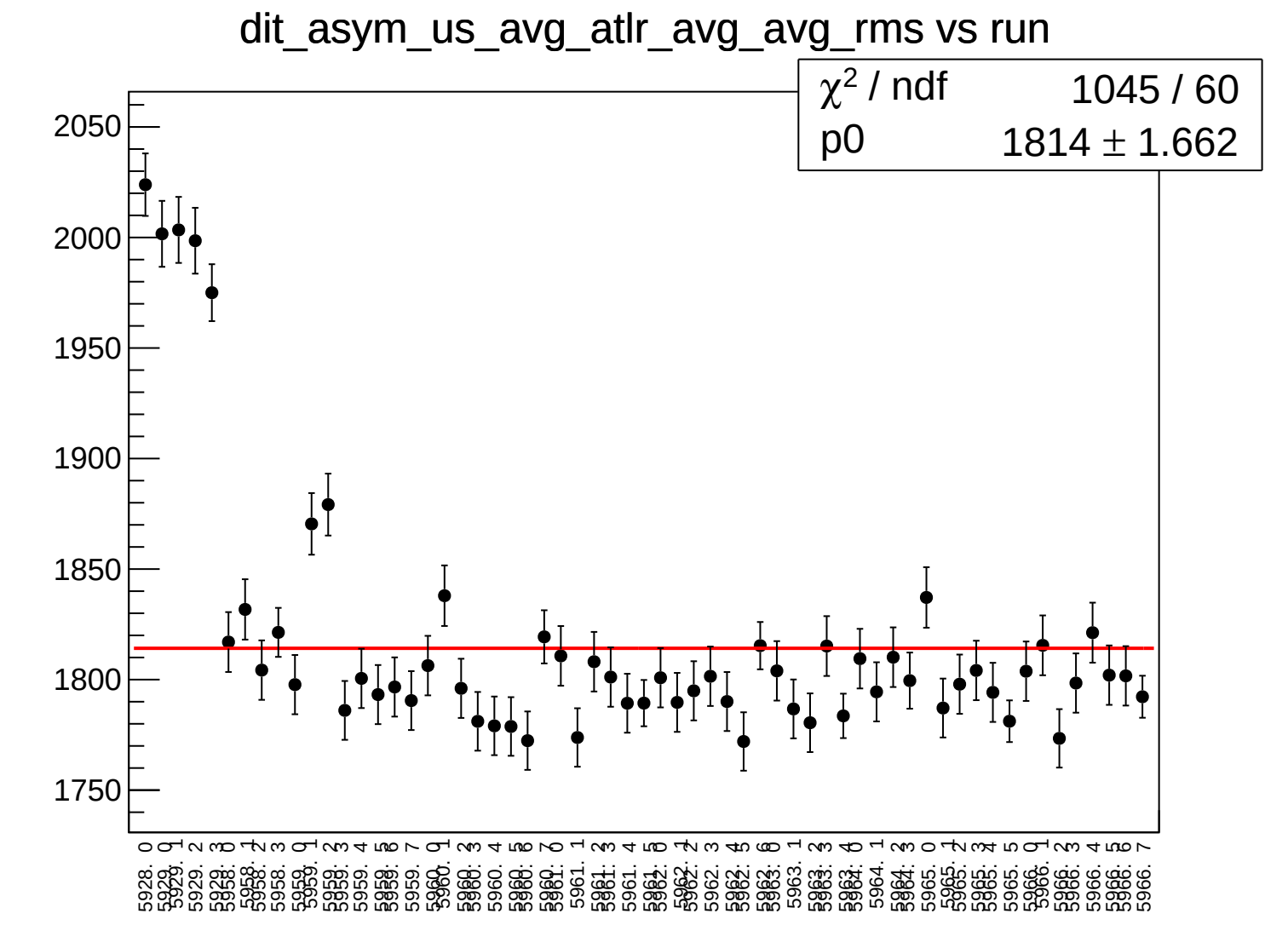

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.92 / 60
p0 −956.8 ± 6472
pull
Entries 61
Mean 8.355
Std Dev 0

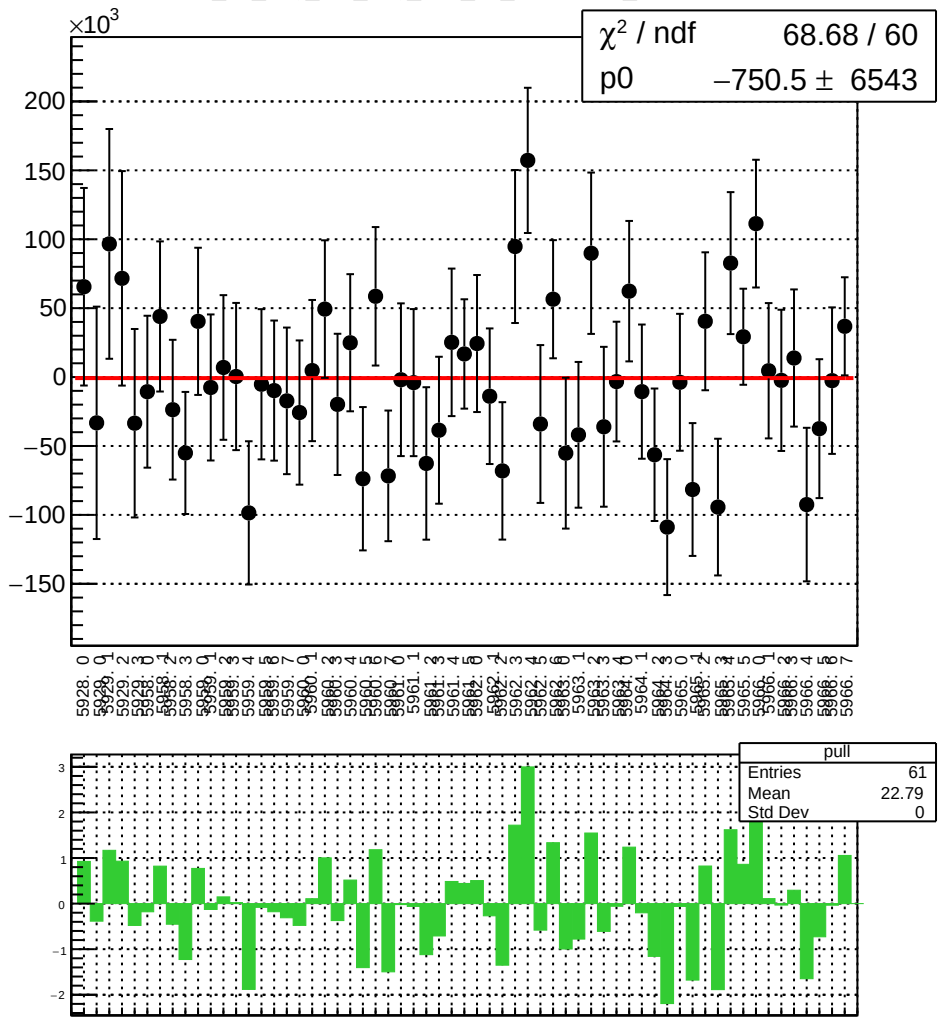

pull1D
Entries 61
Mean −0.004373
Std Dev 1.055

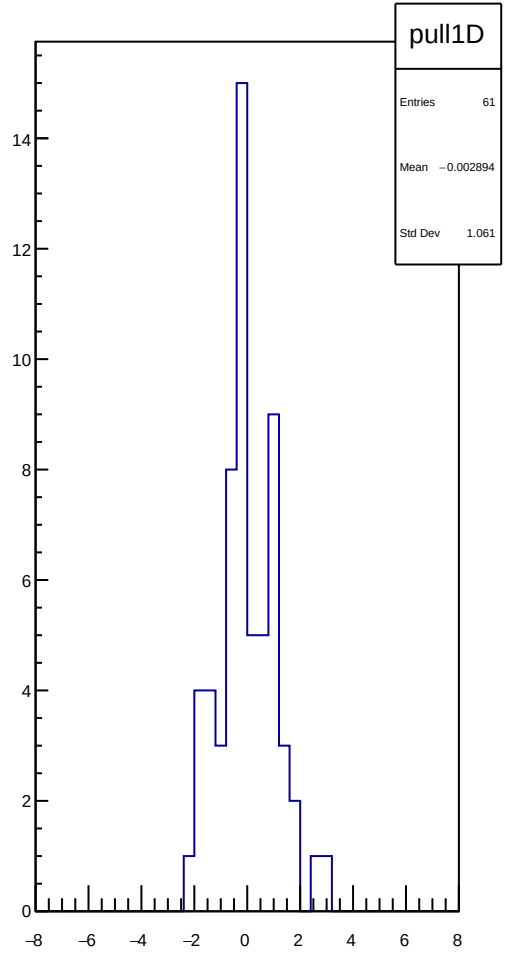

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.238e+04 / 60
p0 4972 ± 4.576
7500
7000
6500
6000
5500
5000
4500
4000

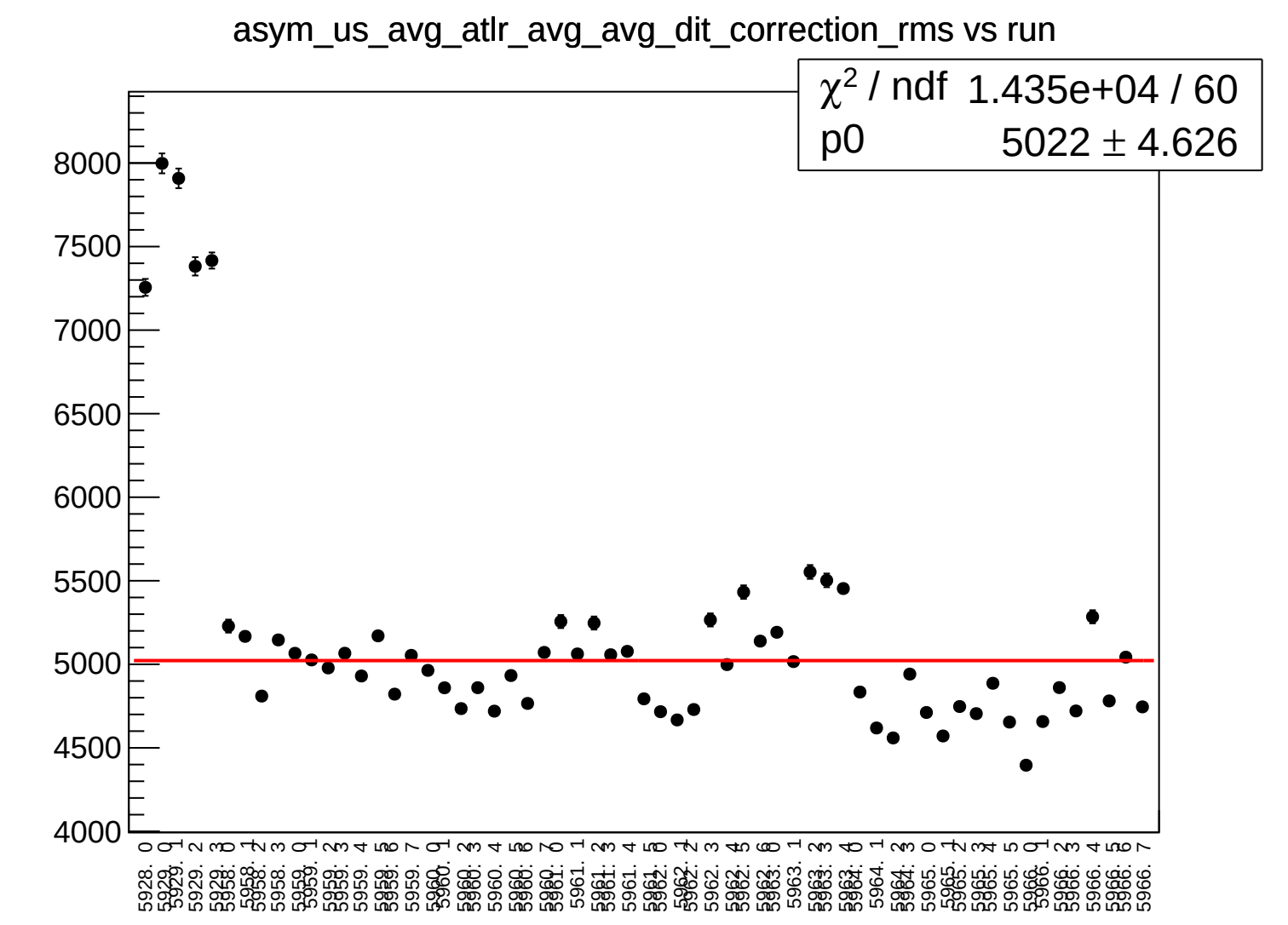

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 42.8 / 60
p0 −4907 ± 2350
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −132.5
Std Dev 0
2
1
0
−1
−2

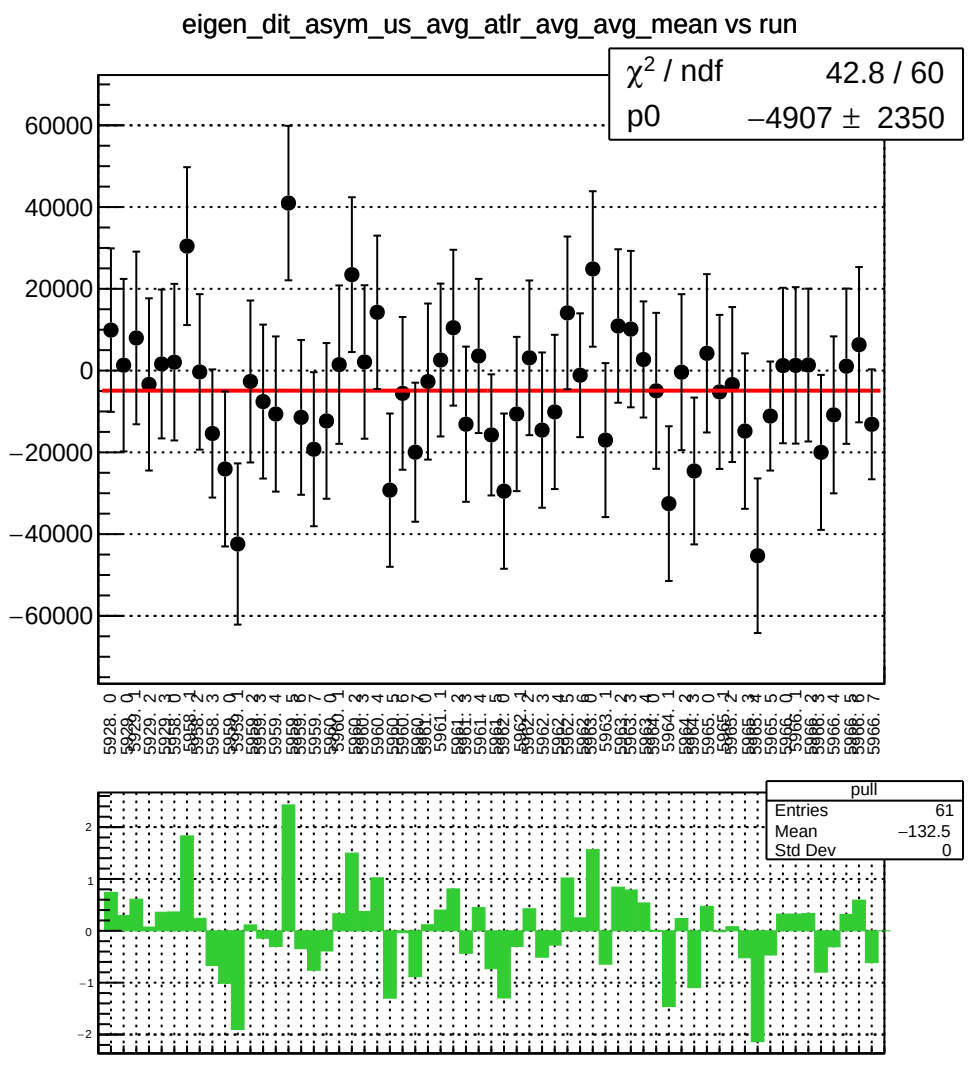

pull1D
Entries 61
Mean 0.0133
Std Dev 0.8375
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

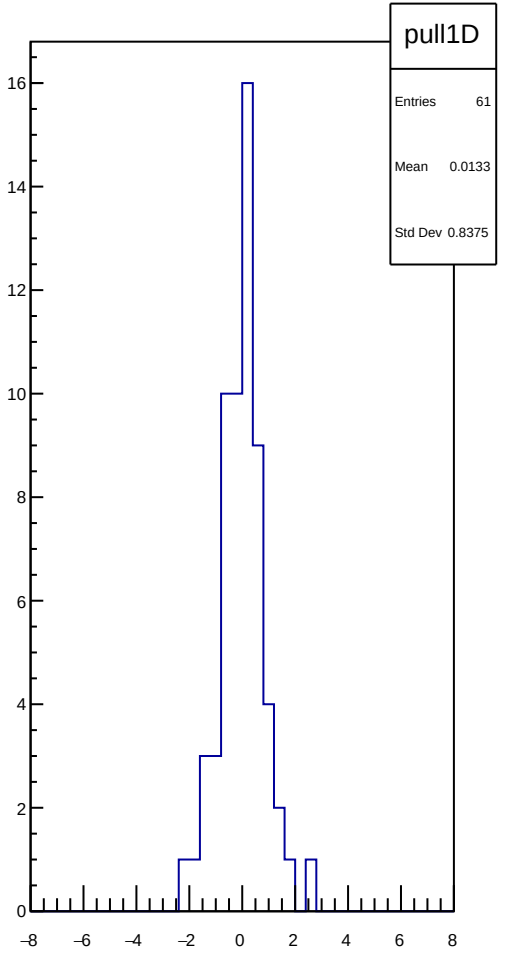

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1045 / 60
p0 1814 ± 1.662
2050
2000
1950
1900
1850
1800
1750

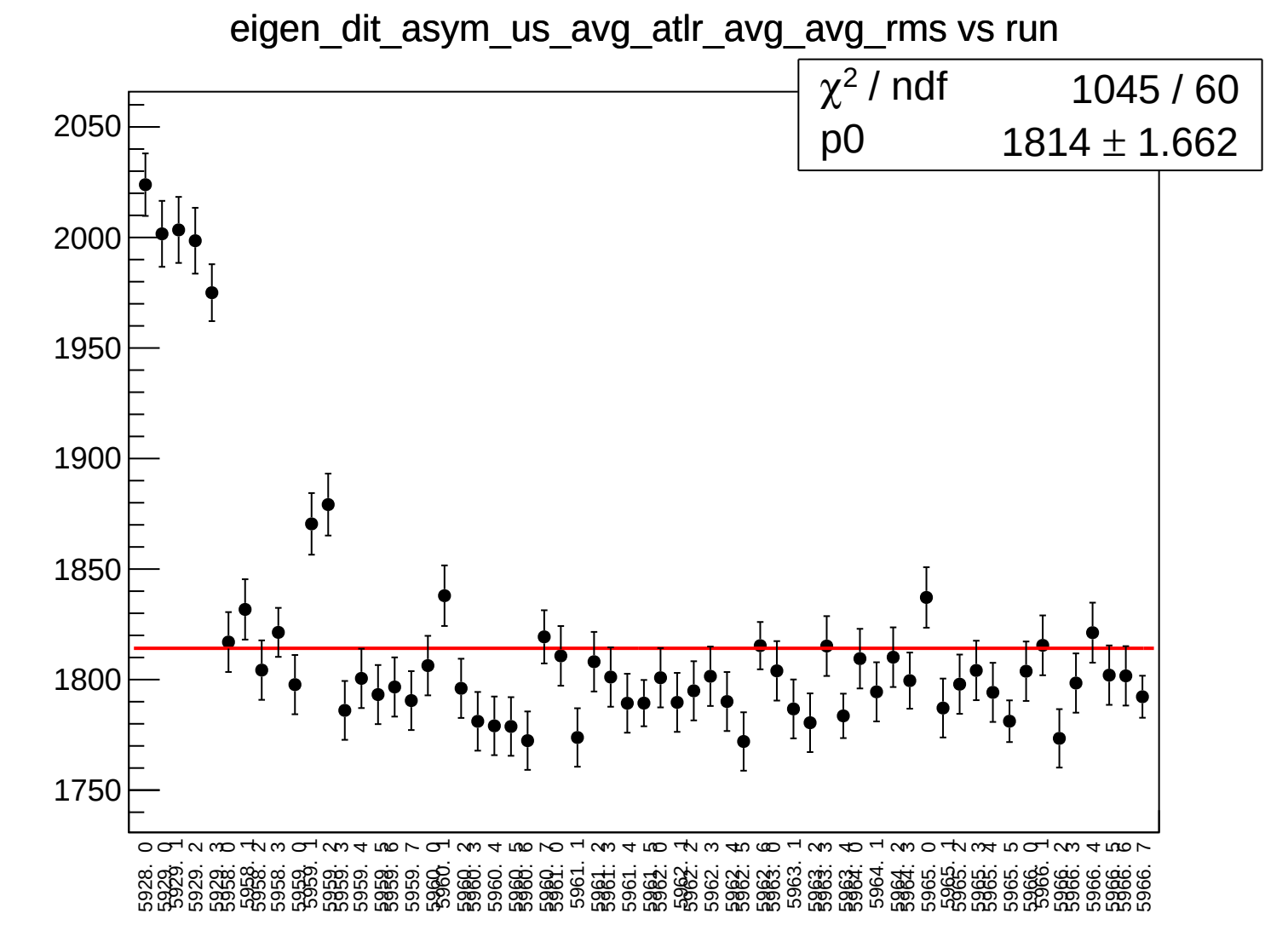

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 −750.5 ± 6543
200
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 22.79
Std Dev 0
3
2
1
0
−1
−2

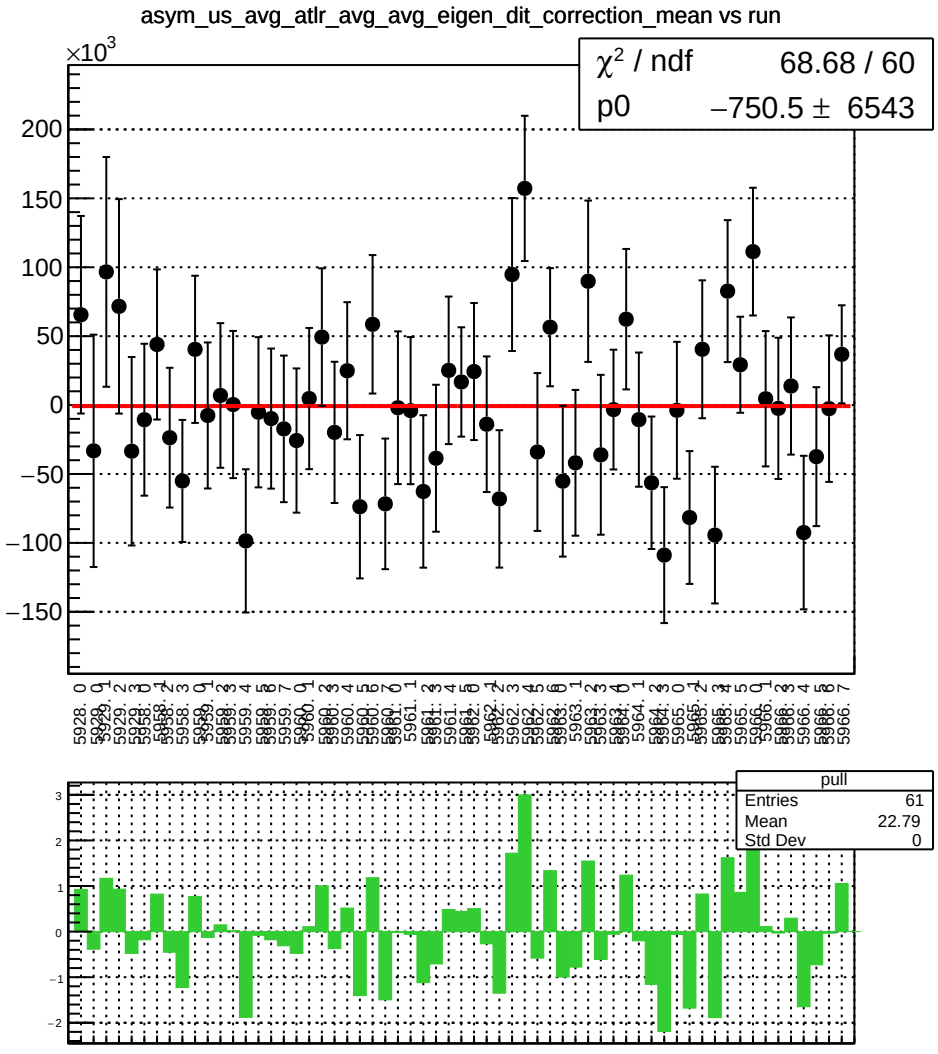

pull1D
Entries 61
Mean −0.002894
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

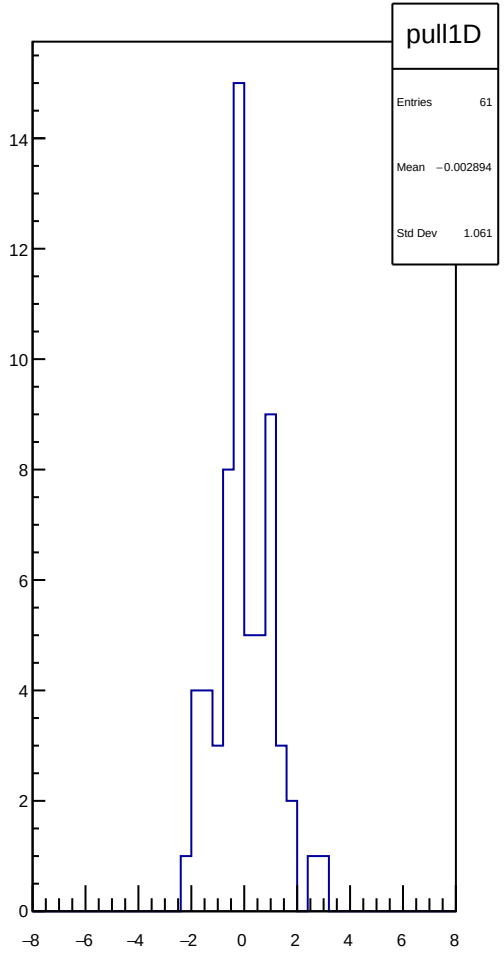

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 1.435e+04 / 60
p0 5022 ± 4.626
8000
7500
7000
6500
6000
5500
5000
4500
4000

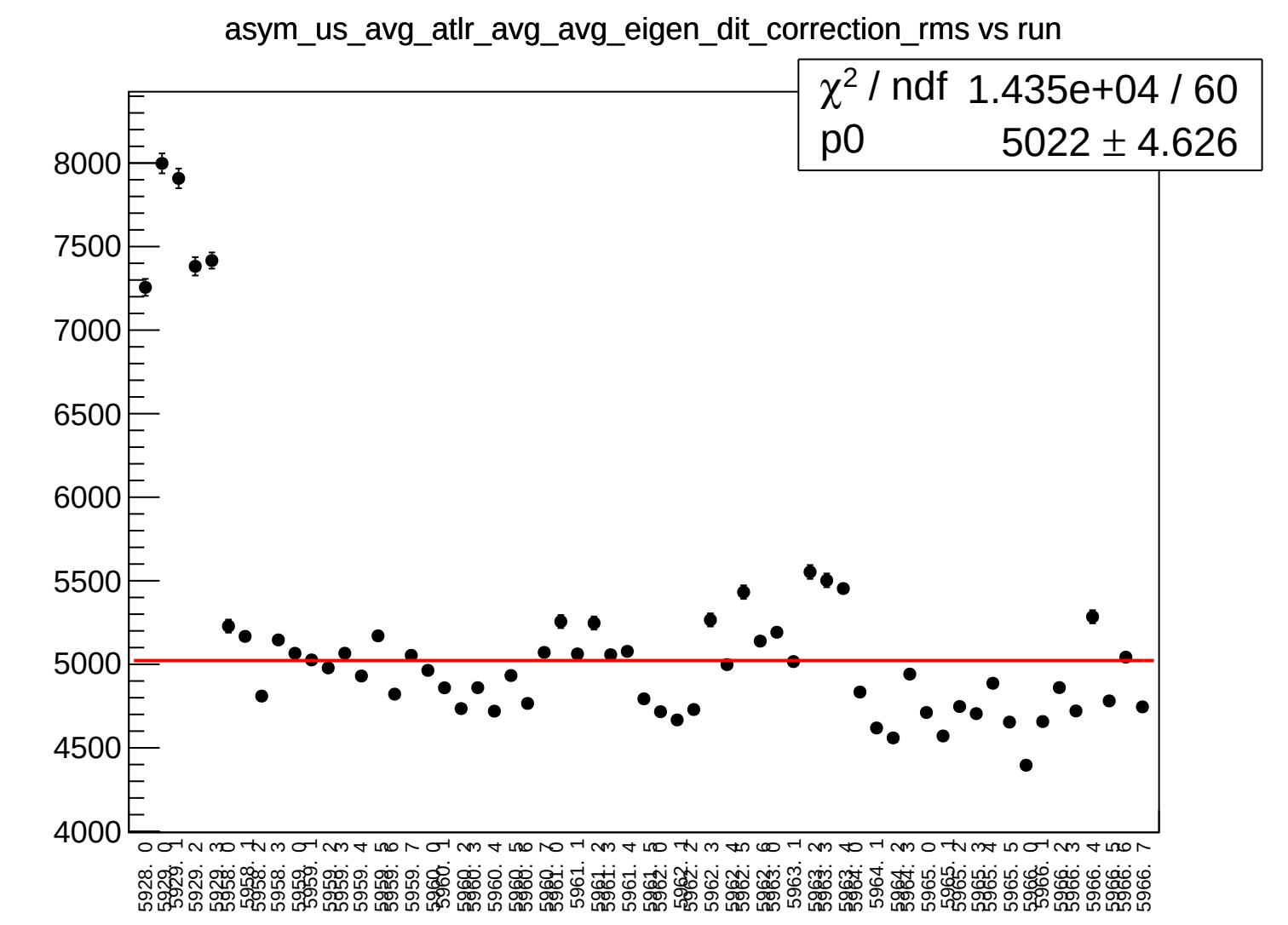

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 42.8 / 60
p0 −4907 ± 2350
pull
Entries 61
Mean −132.5
Std Dev 0

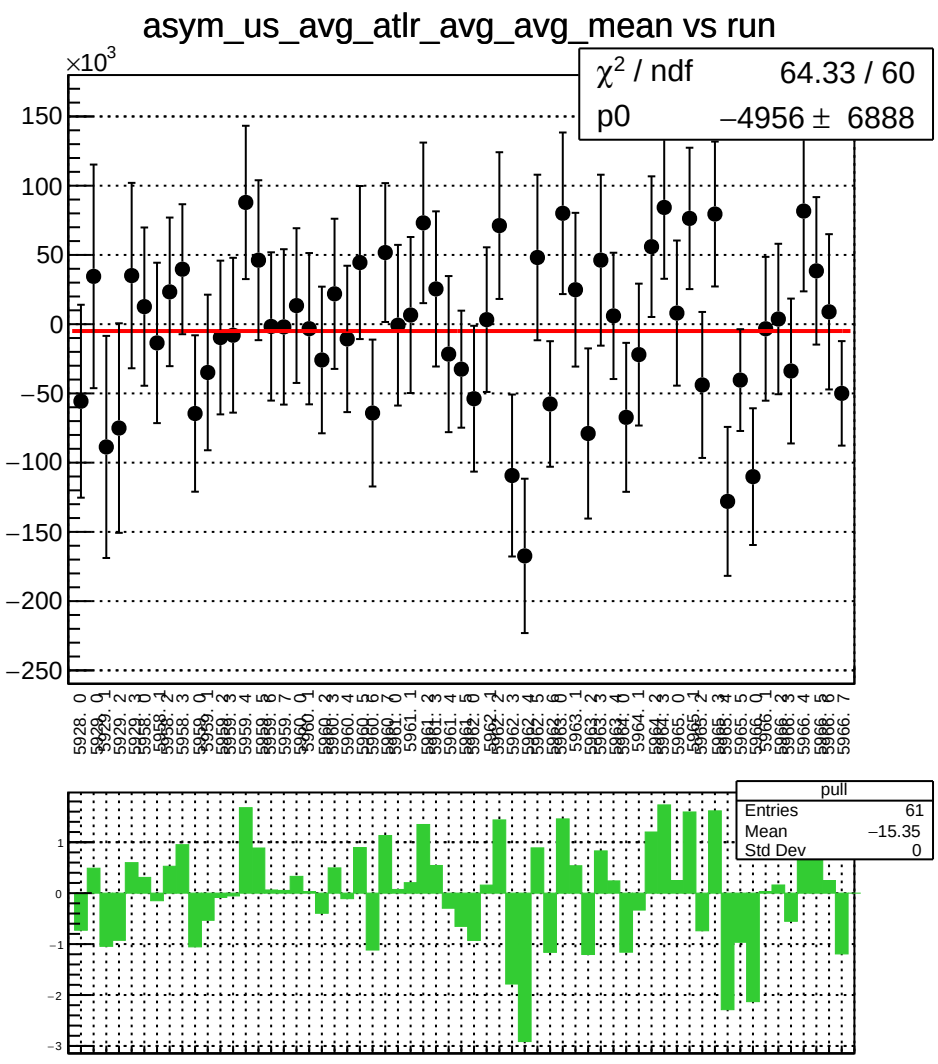

pull1D
Entries 61
Mean 0.0133
Std Dev 0.8375

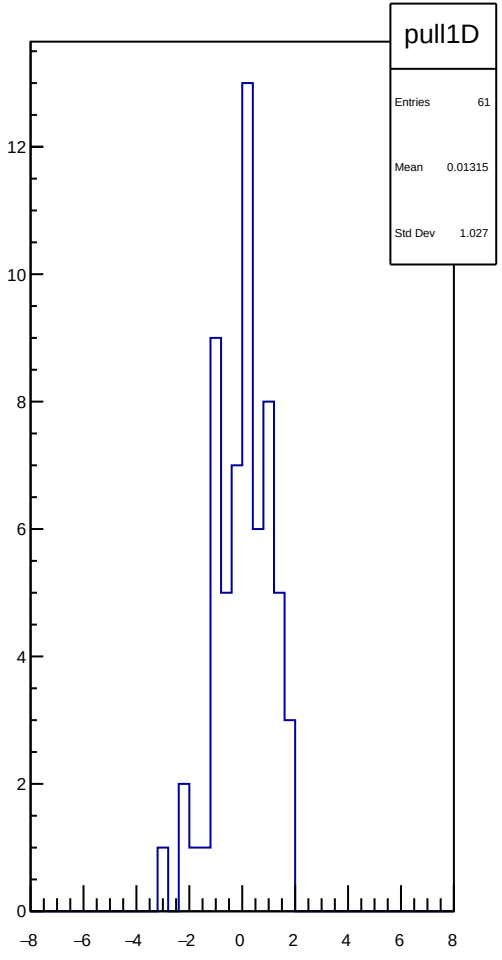

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1045 / 60
p0 1814 ± 1.662
2050
2000
1950
1900
1850
1800
1750

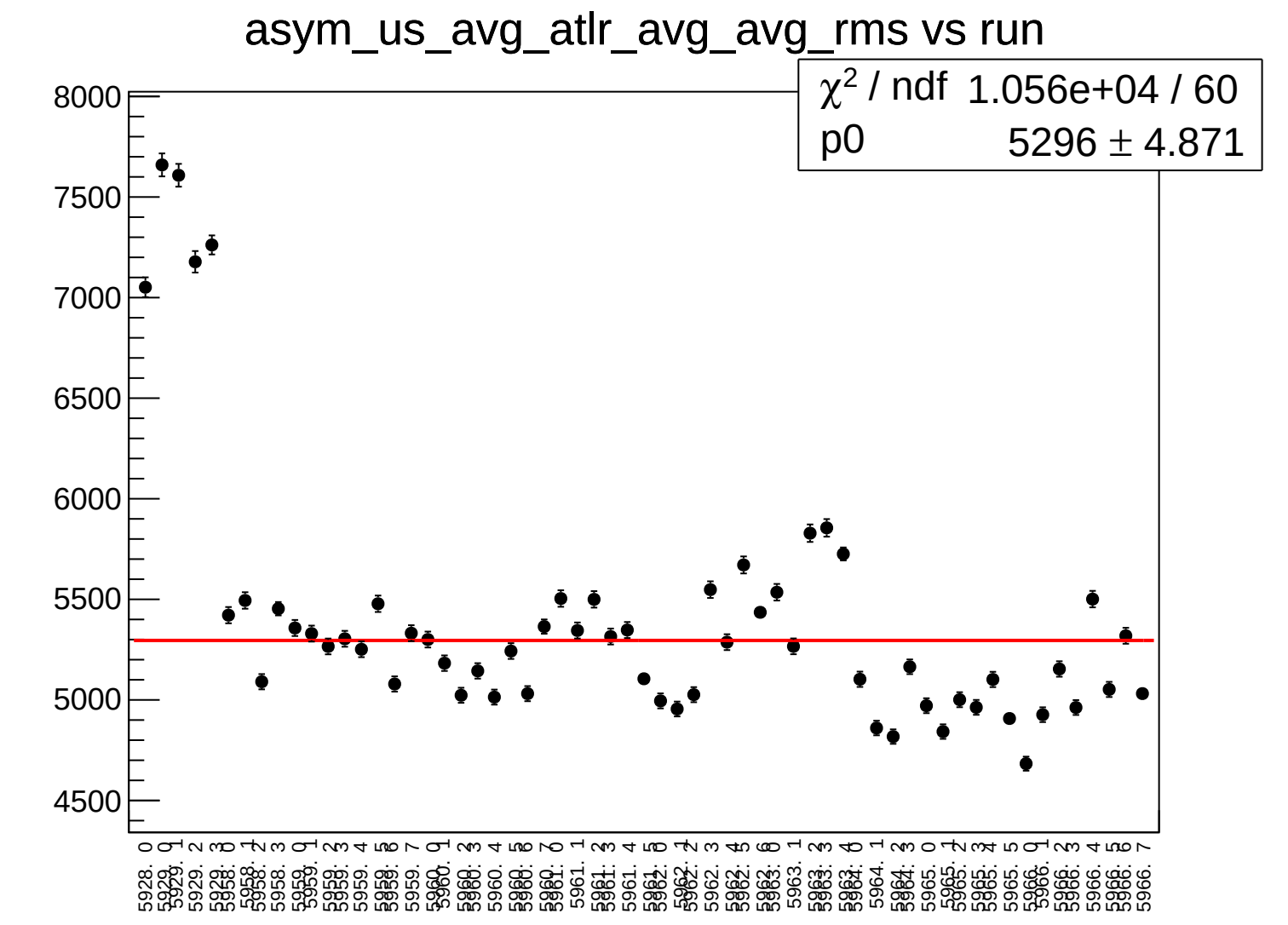

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.68 / 60
p0 −750.5 ± 6543
200
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 22.79
Std Dev 0
3
2
1
0
−1
−2

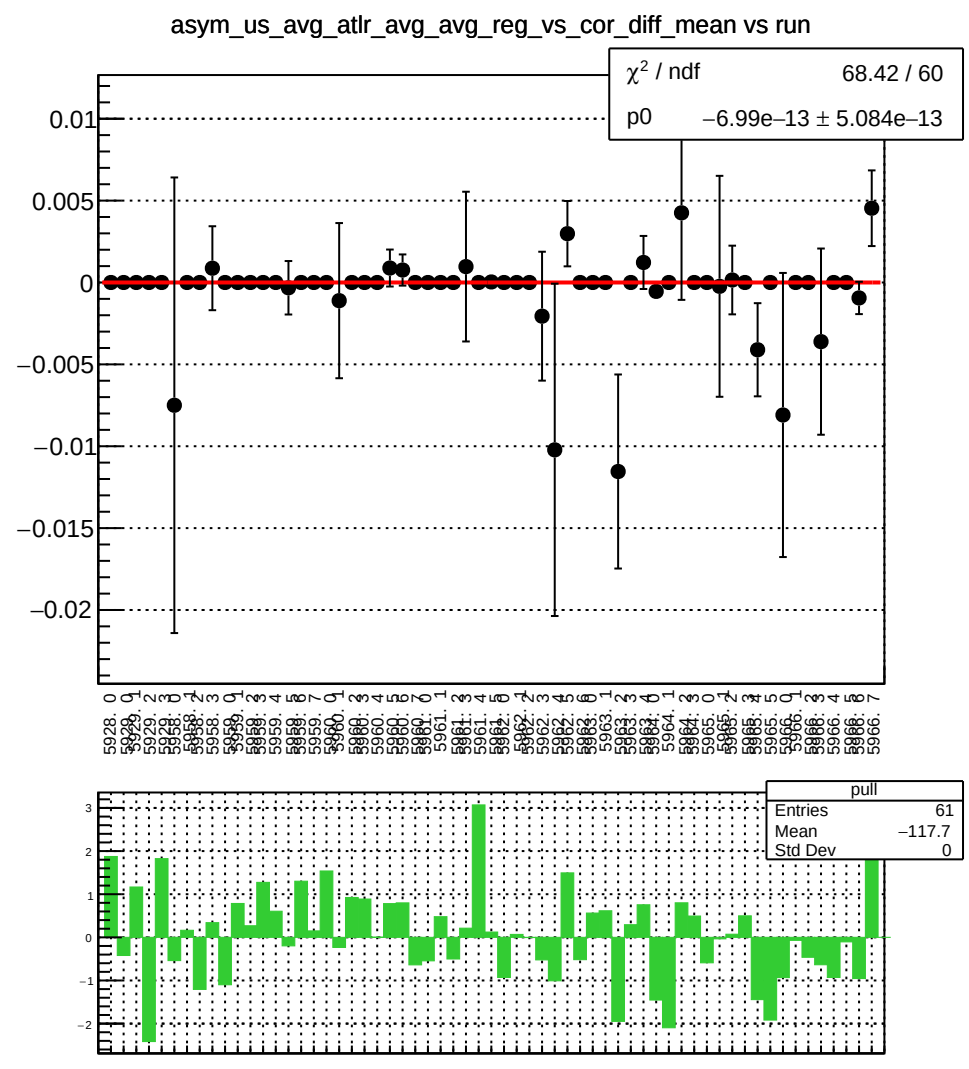

pull1D
Entries 61
Mean −0.002894
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

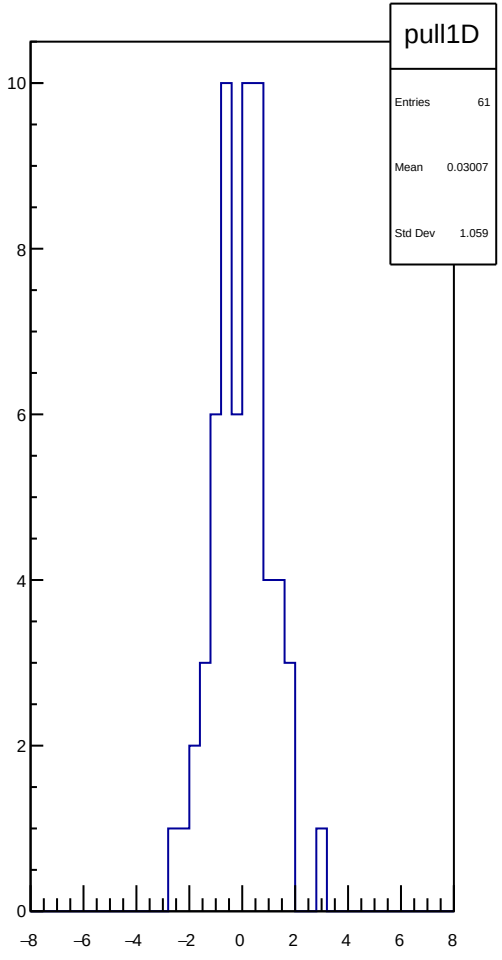

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.435e+04 / 60
p0 5022 ± 4.626
8000
7500
7000
6500
6000
5500
5000
4500
4000

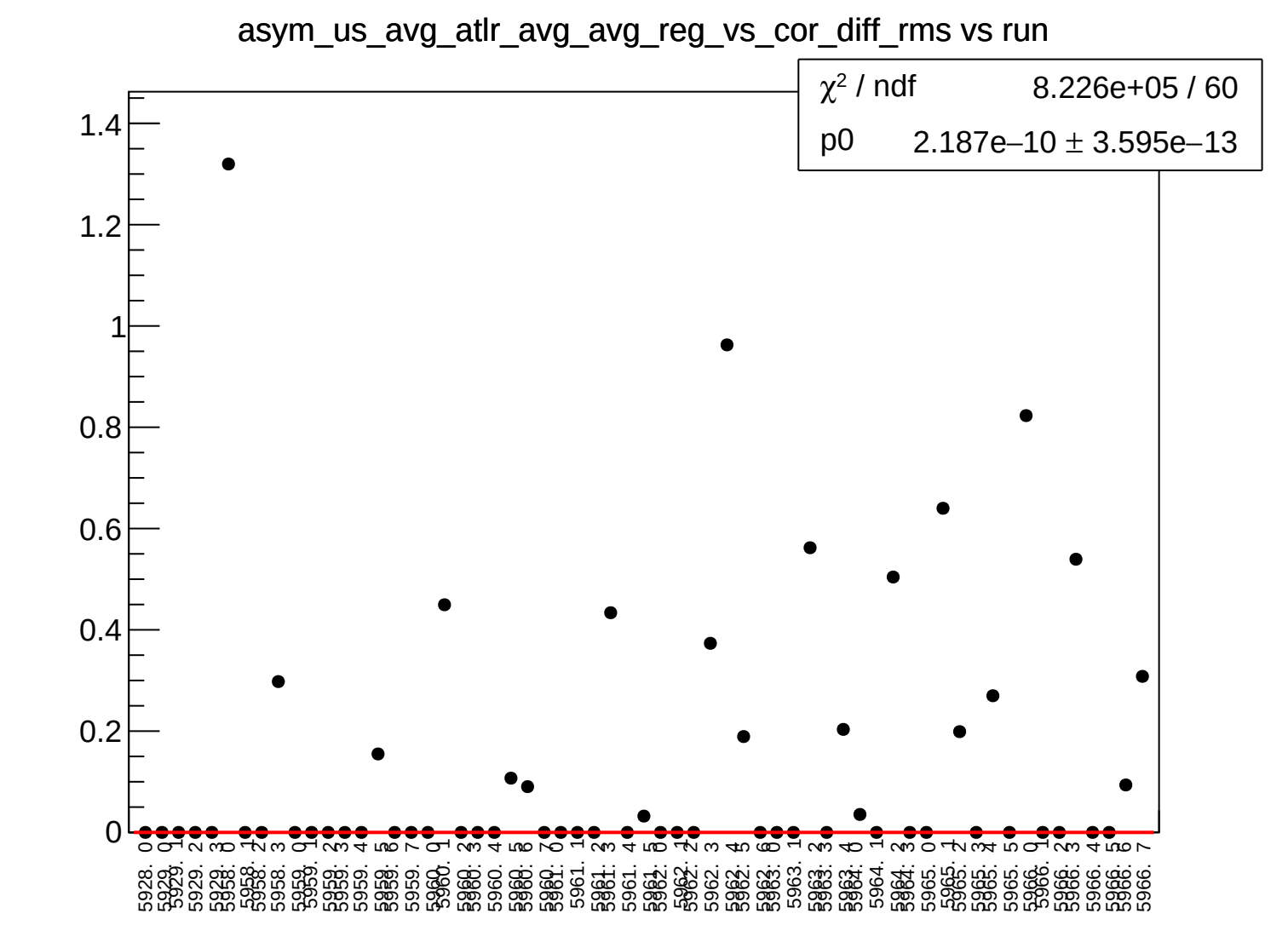

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 64.33 / 60
p0 −4956 ± 6888
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 61
Mean −15.35
Std Dev 0
1
0
−1
−2
−3

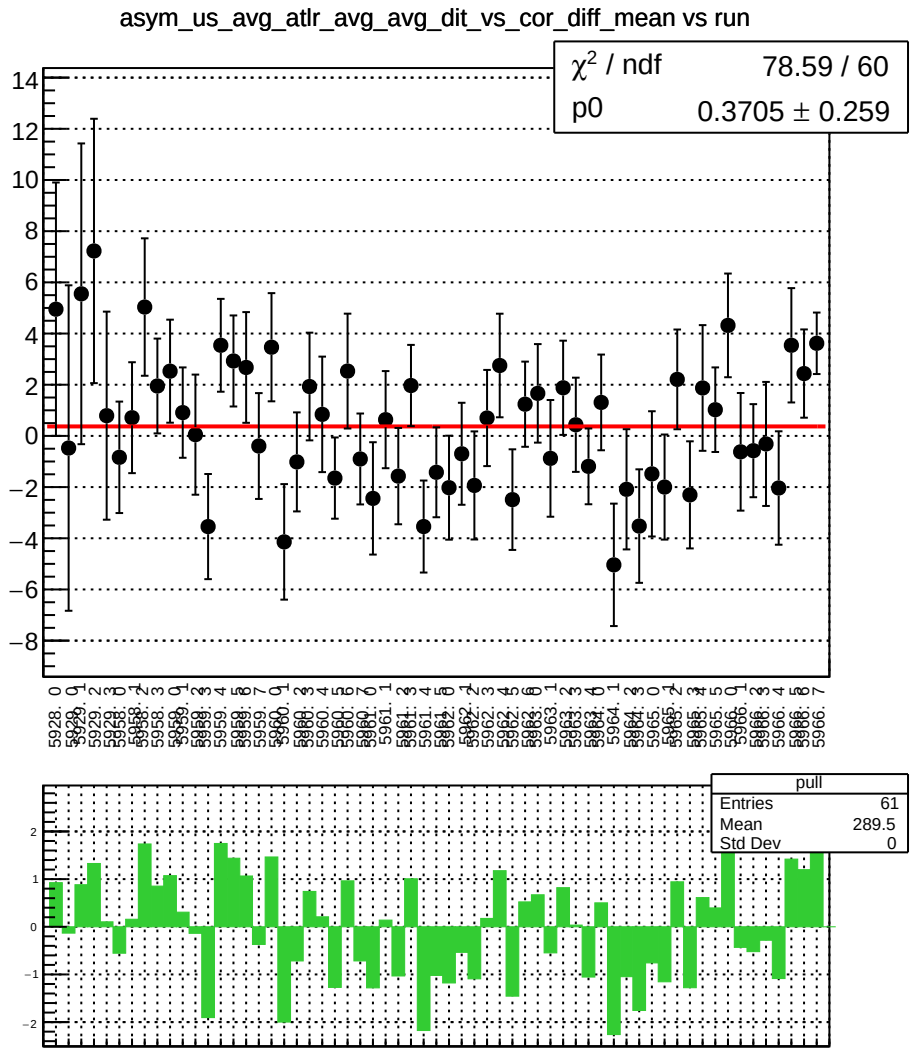

pull1D
Entries 61
Mean 0.01315
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

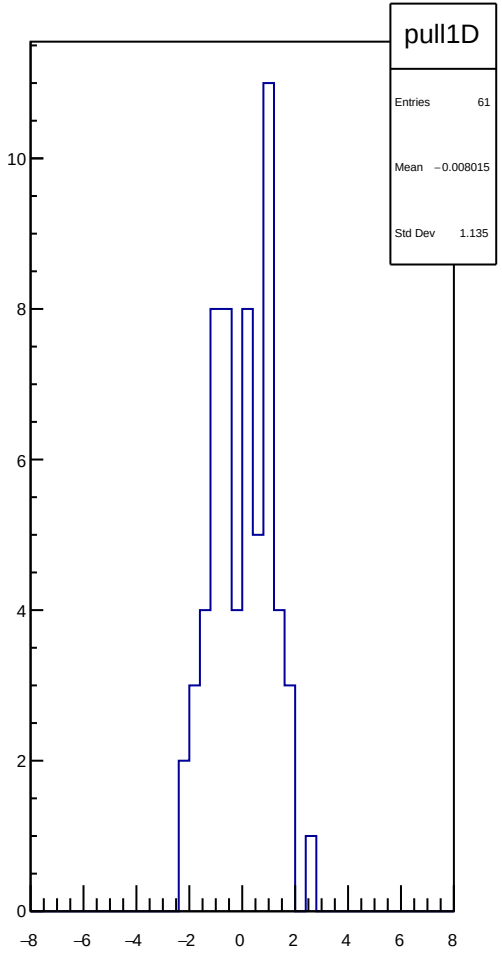

asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 1.056e+04 / 60
p0 5296 ± 4.871
8000
7500
7000
6500
6000
5500
5000
4500

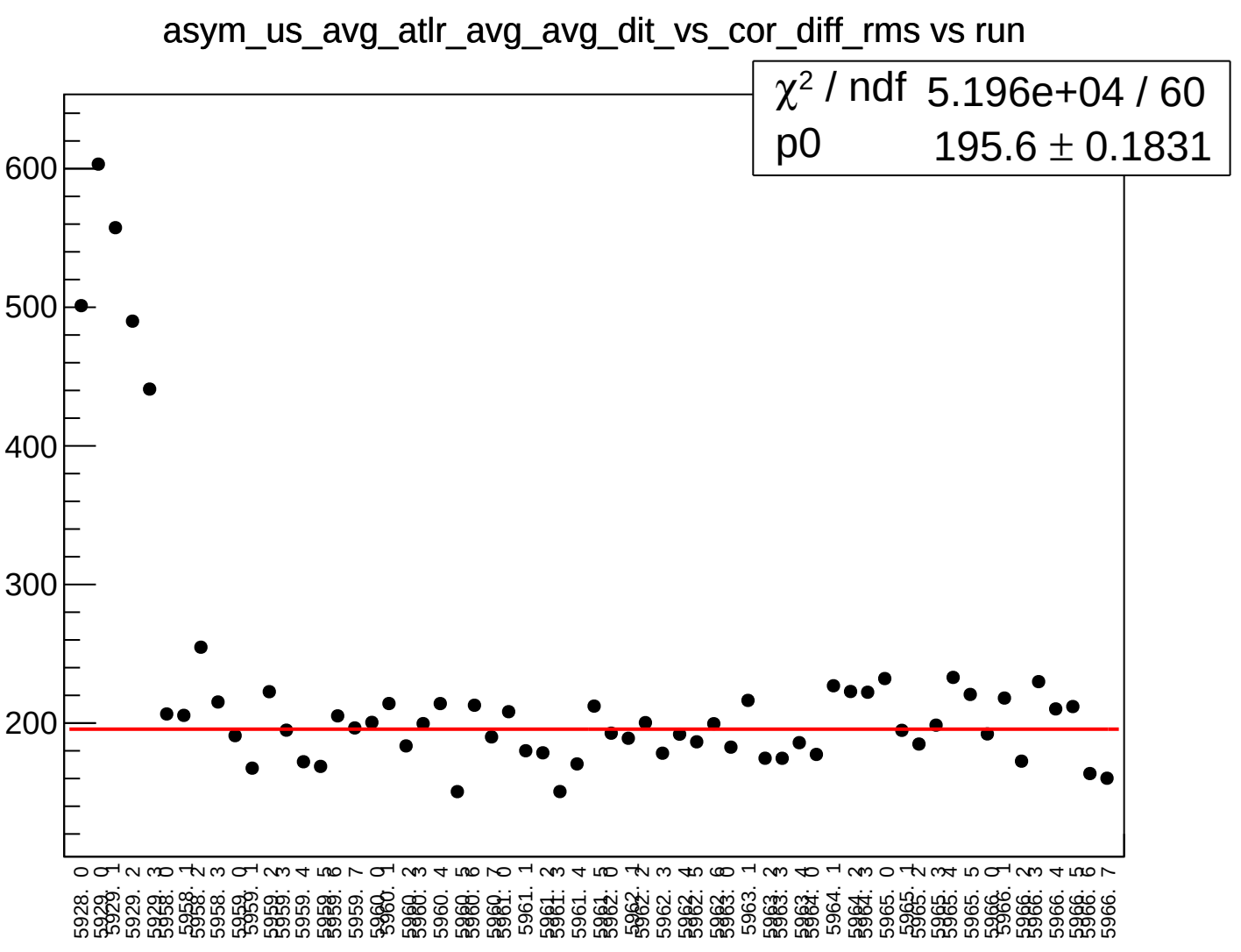

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.42 / 60
p0 −6.99e−13 ± 5.084e−13
pull
Entries 61
Mean −117.7
Std Dev 0

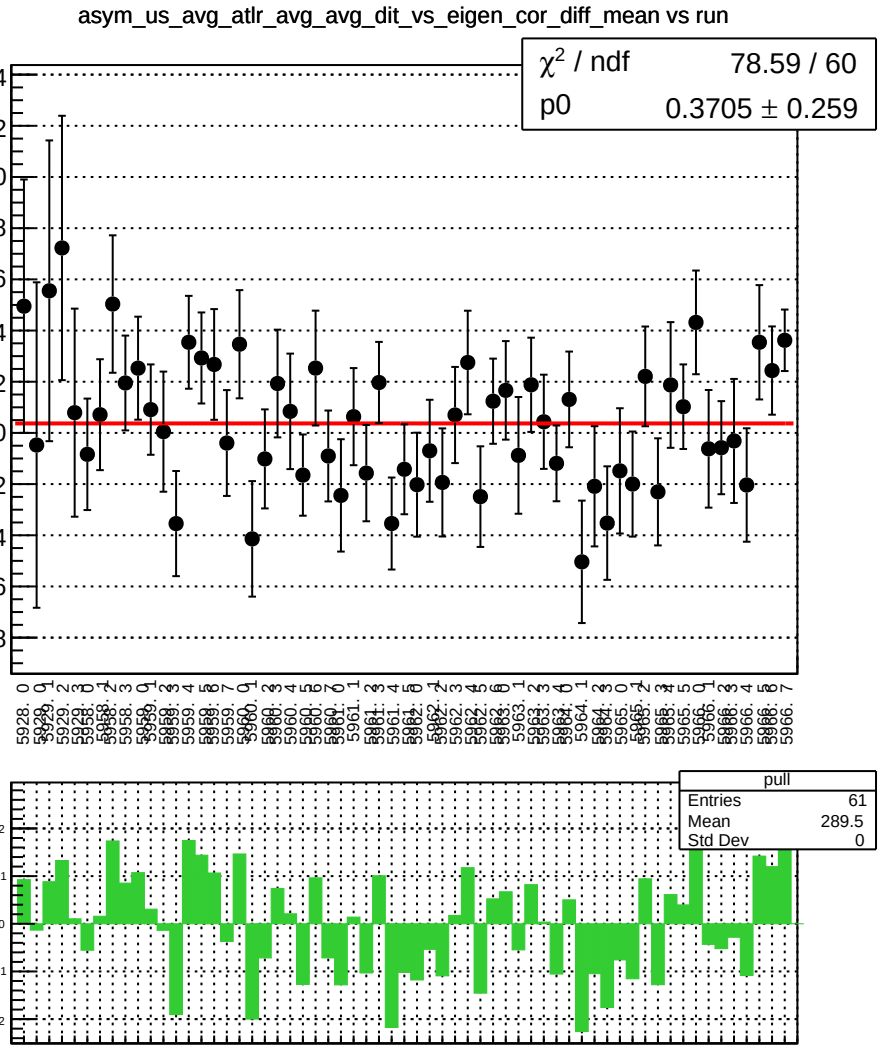

pull1D
Entries 61
Mean 0.03007
Std Dev 1.059

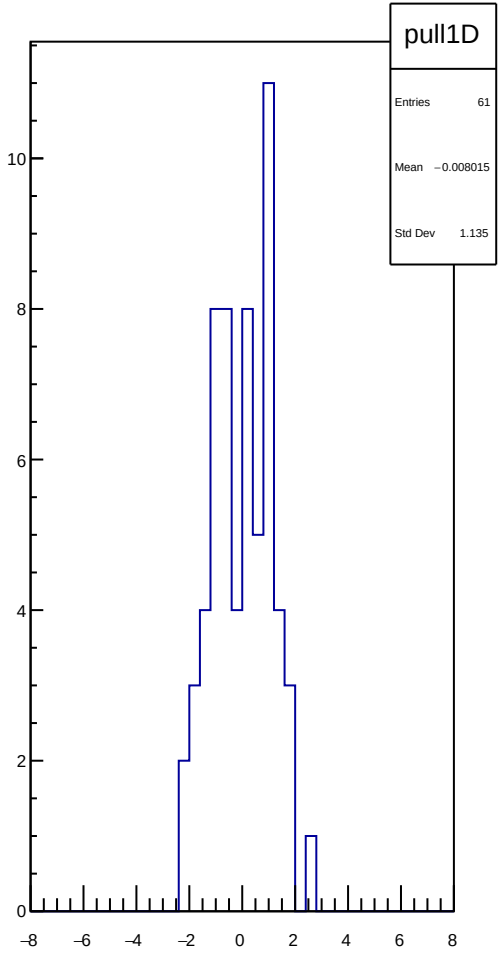

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.226e+05 / 60
p0 2.187e−10 ± 3.595e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

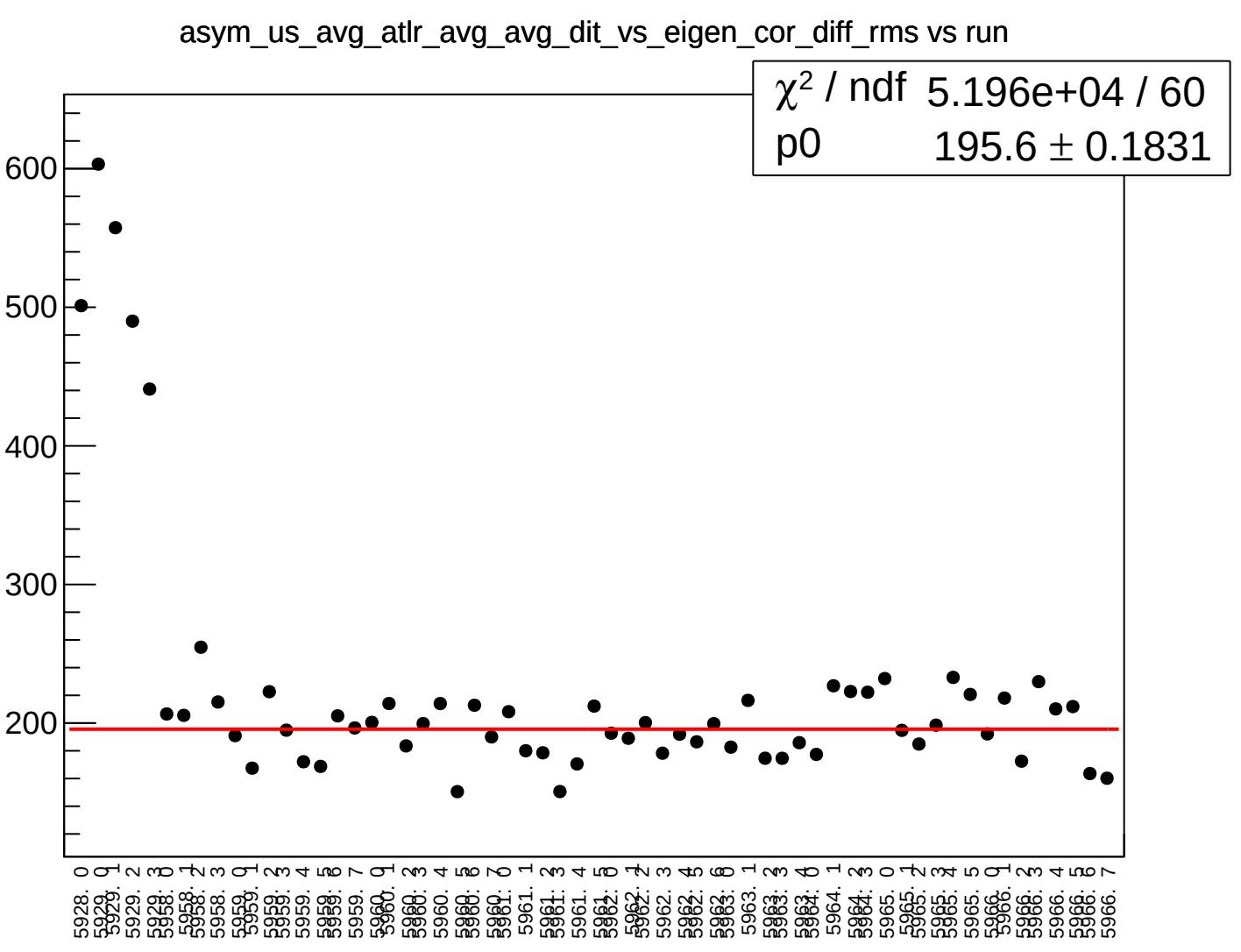

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.59 / 60
p0 0.3705 ± 0.259
pull
Entries 61
Mean 289.5
Std Dev 0

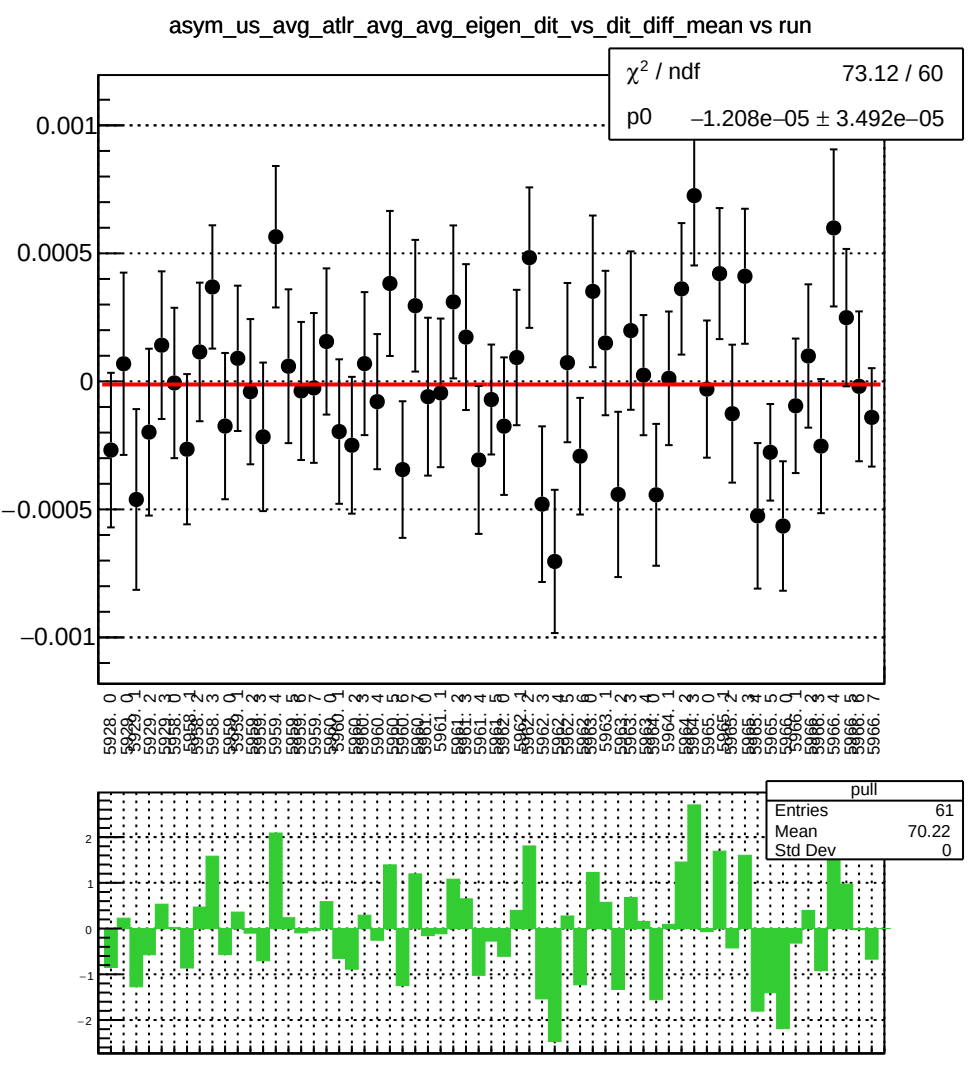

pull1D
Entries 61
Mean −0.008015
Std Dev 1.135

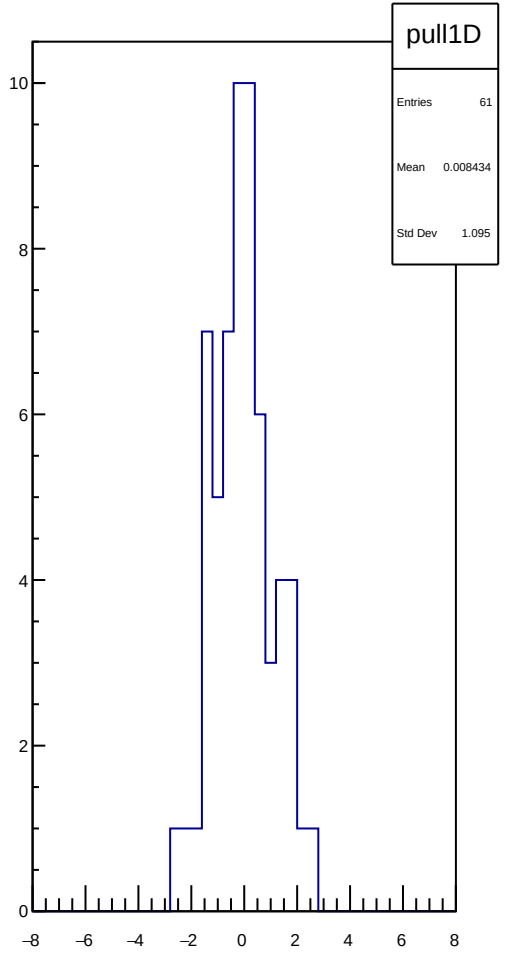

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.196e+04 / 60
p0 195.6 ± 0.1831
600
500
400
300
200

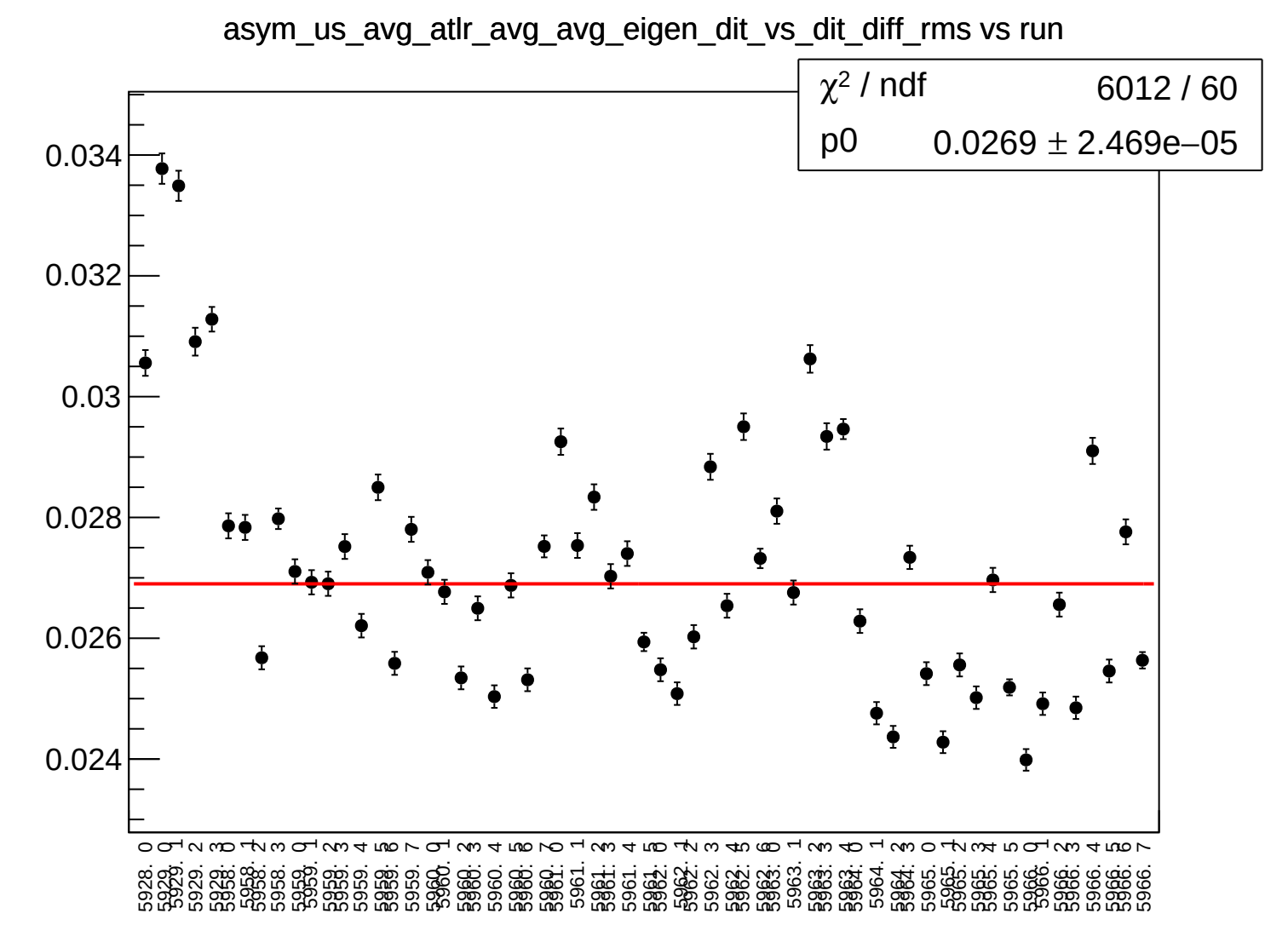

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.59 / 60
p0 0.3705 ± 0.259
pull
Entries 61
Mean 289.5
Std Dev 0

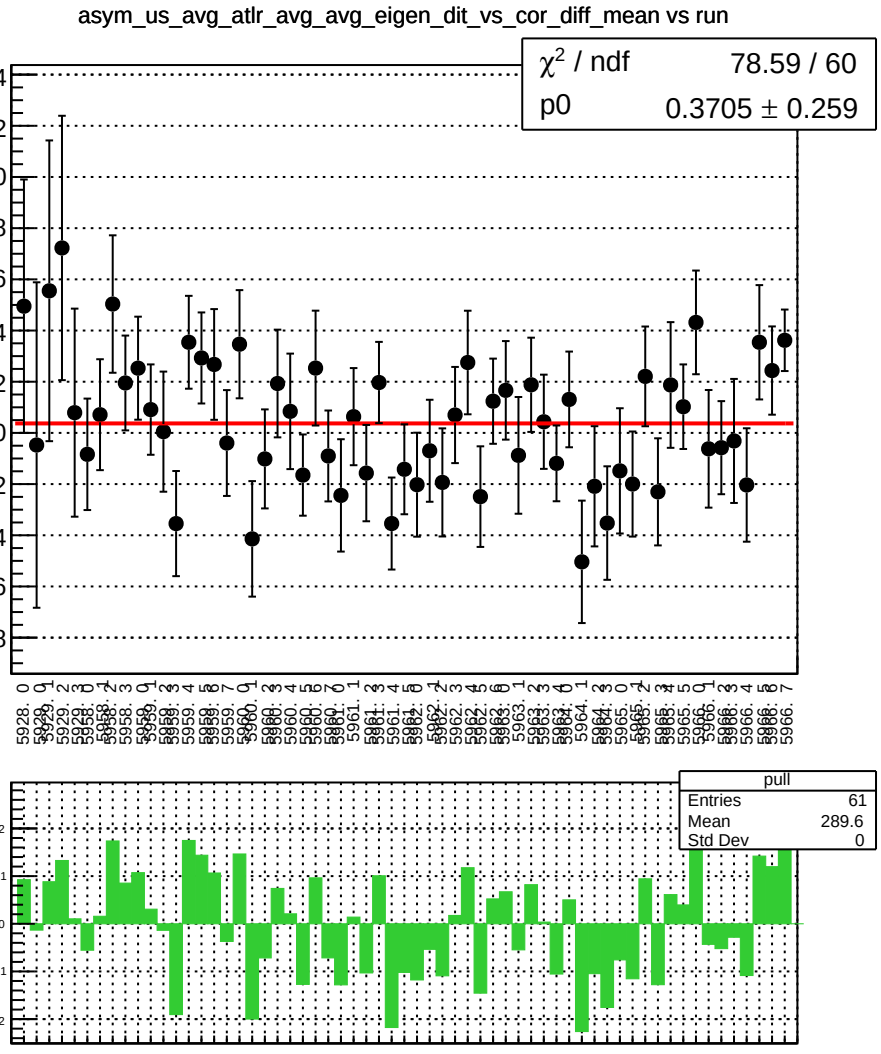

pull1D
Entries 61
Mean −0.008015
Std Dev 1.135

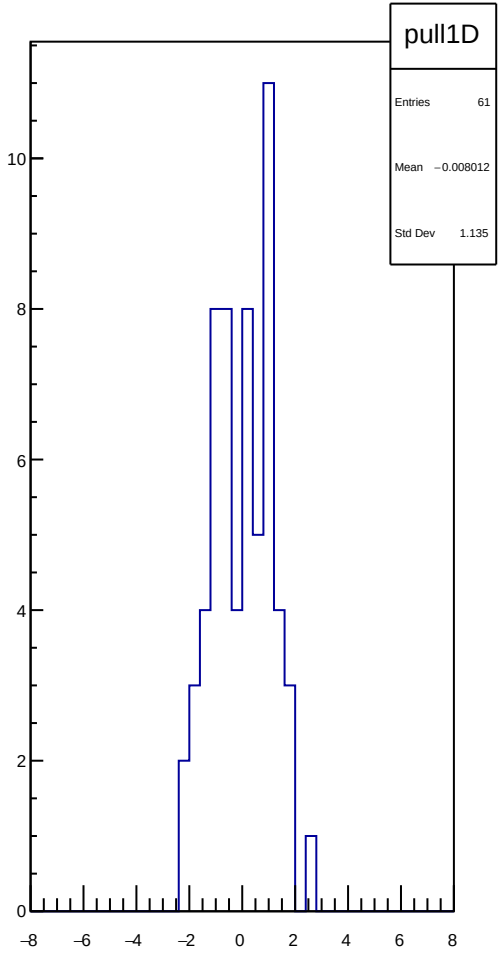

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.196e+04 / 60
p0 195.6 ± 0.1831
600
500
400
300
200

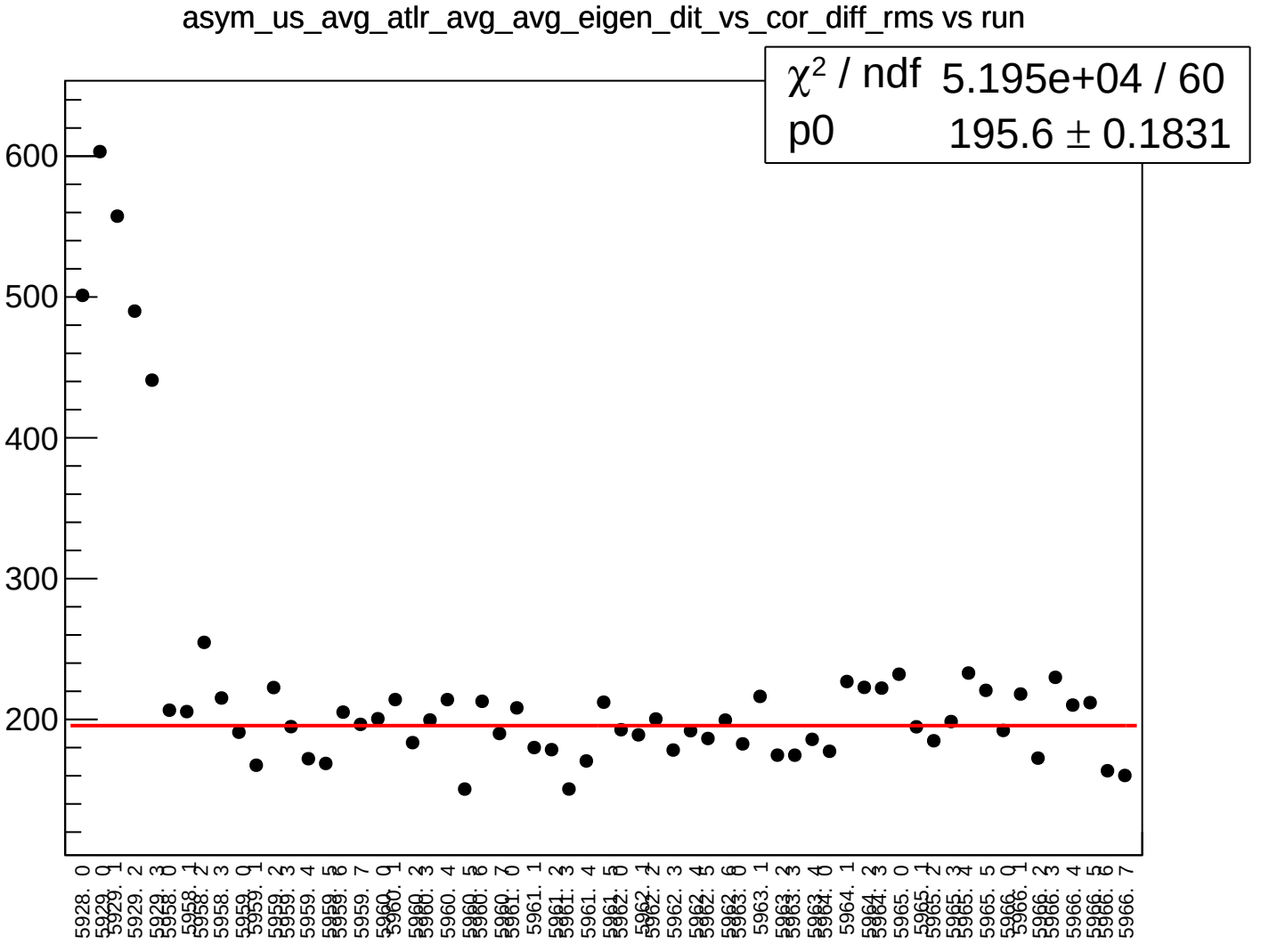

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 73.12 / 60
p0 −1.208e−05 ± 3.492e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 61
Mean 70.22
Std Dev 0
2
1
0
−1
−2

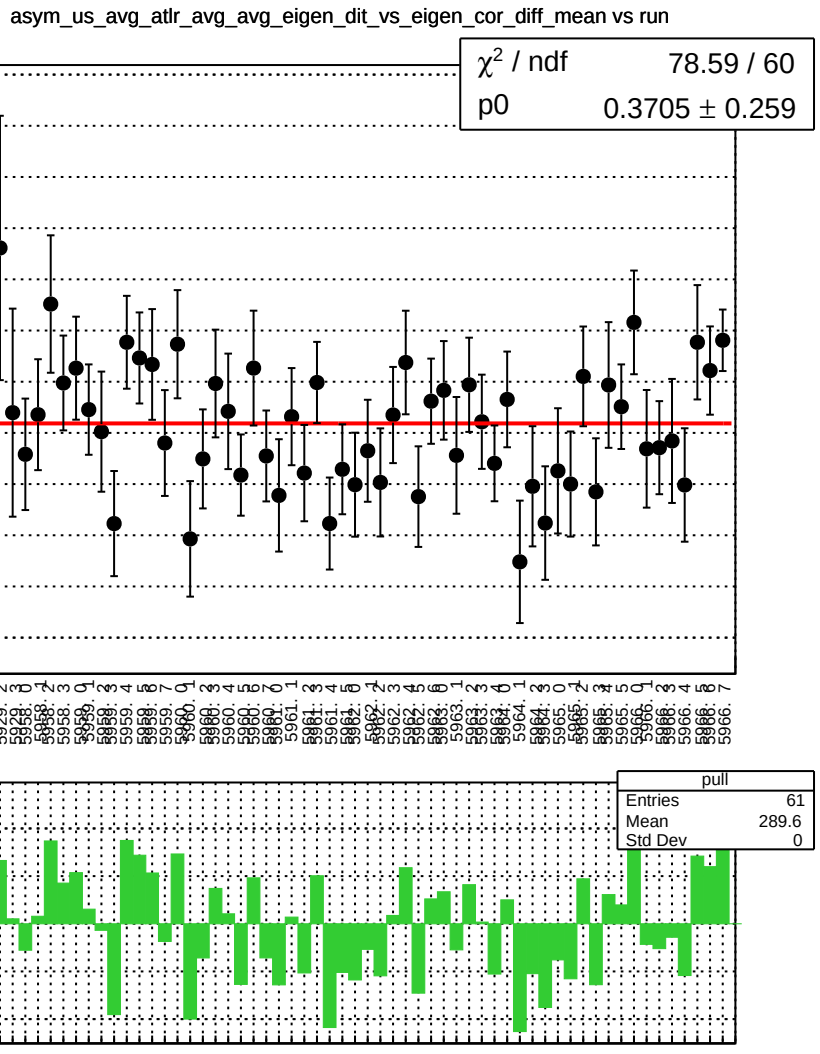

pull1D
Entries 61
Mean 0.008434
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

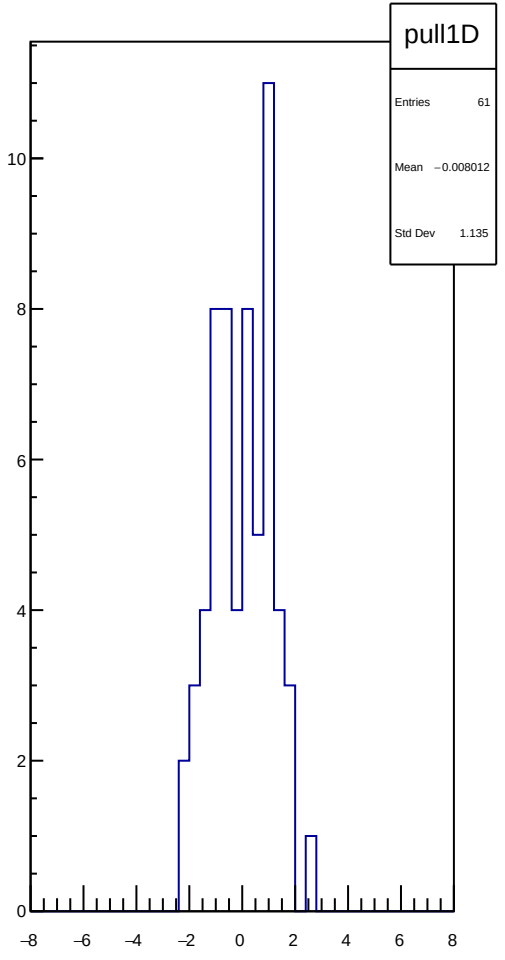

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6012 / 60
p0 0.0269 ± 2.469e−05
0.034
0.032
0.03
0.028
0.026
0.024

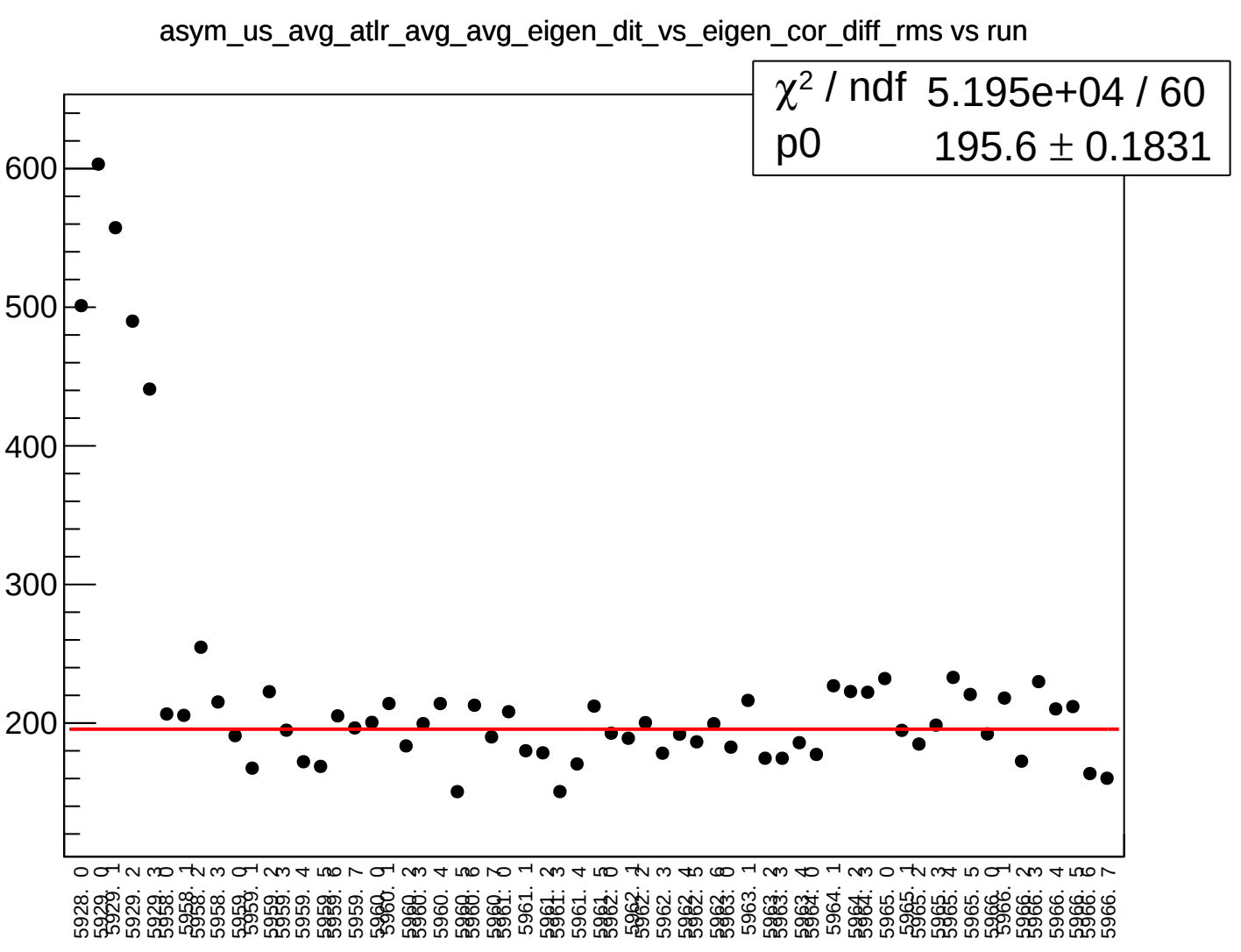

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.59 / 60
p0 0.3705 ± 0.259
pull
Entries 61
Mean 289.6
Std Dev 0

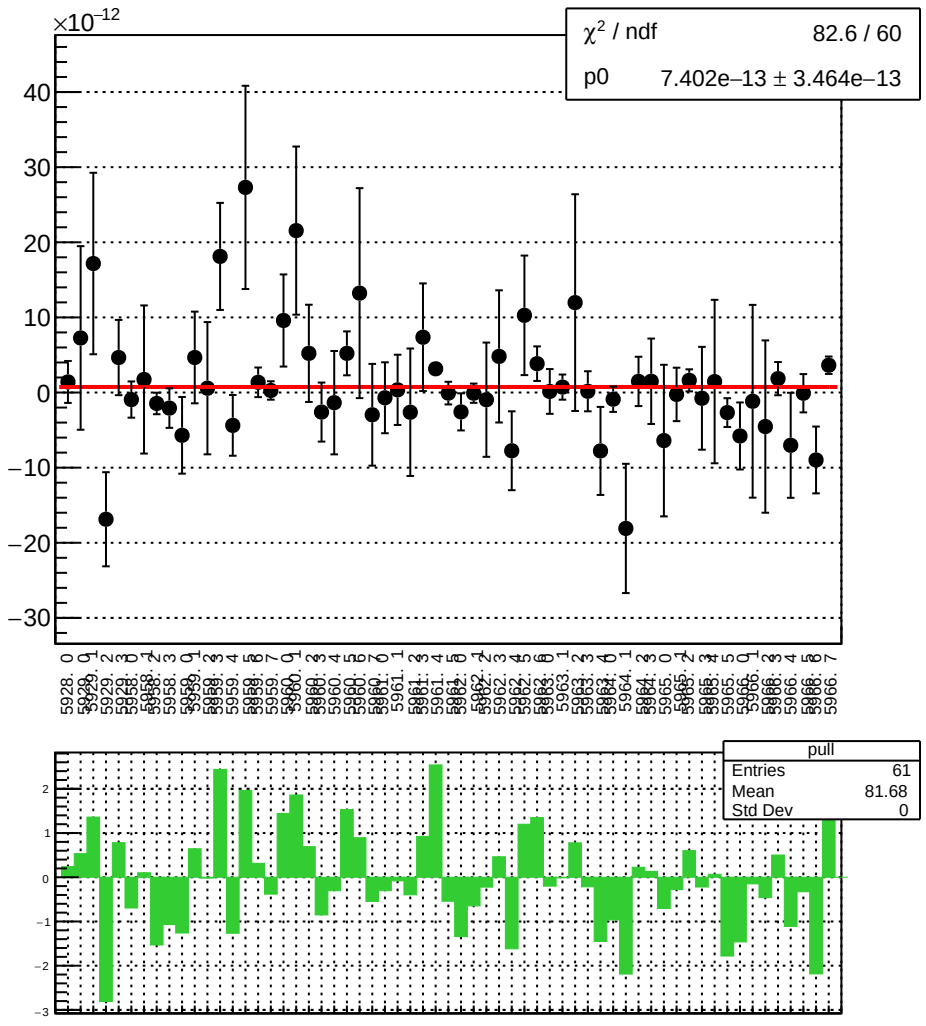

pull1D
Entries 61
Mean −0.008012
Std Dev 1.135

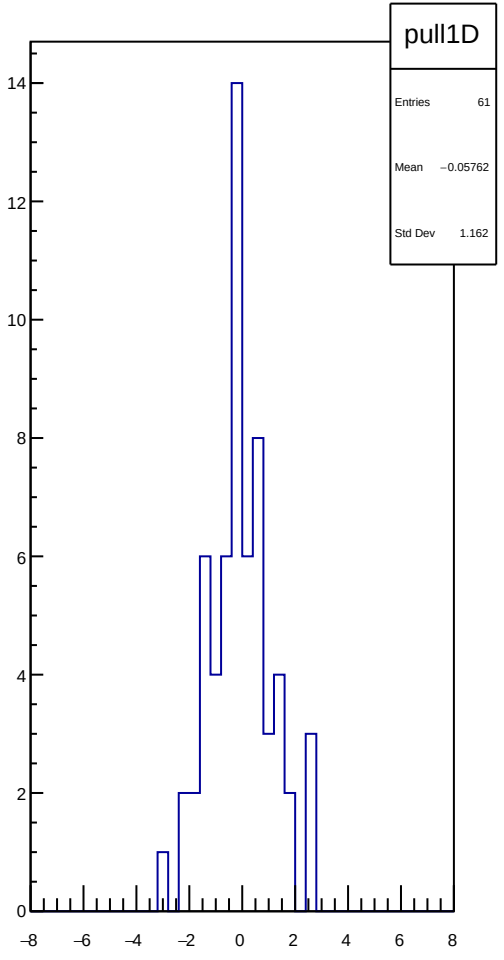

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.195e+04 / 60
p0 195.6 ± 0.1831
600
500
400
300
200

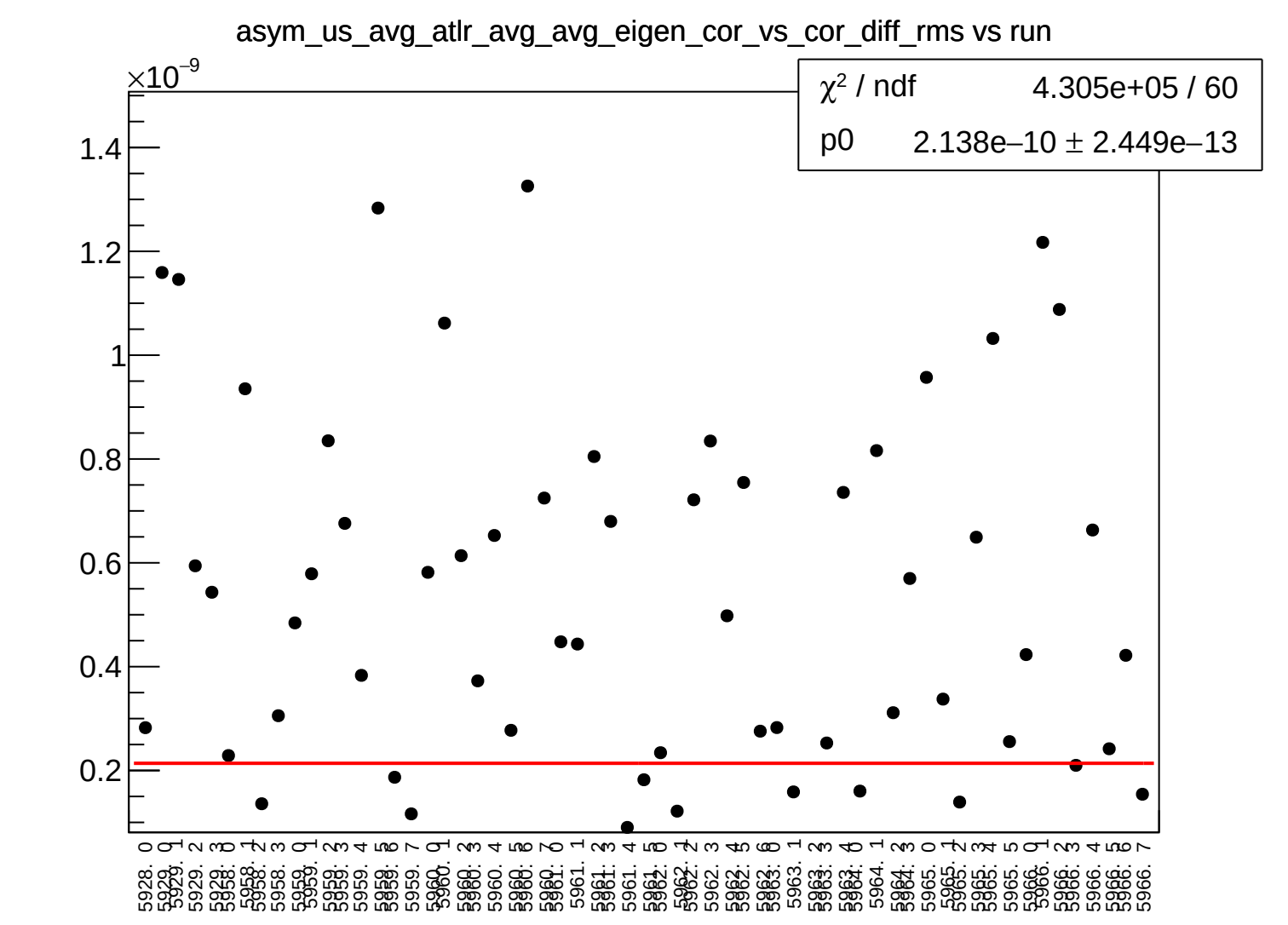

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.59 / 60
p0 0.3705 ± 0.259
pull
Entries 61
Mean 289.6
Std Dev 0

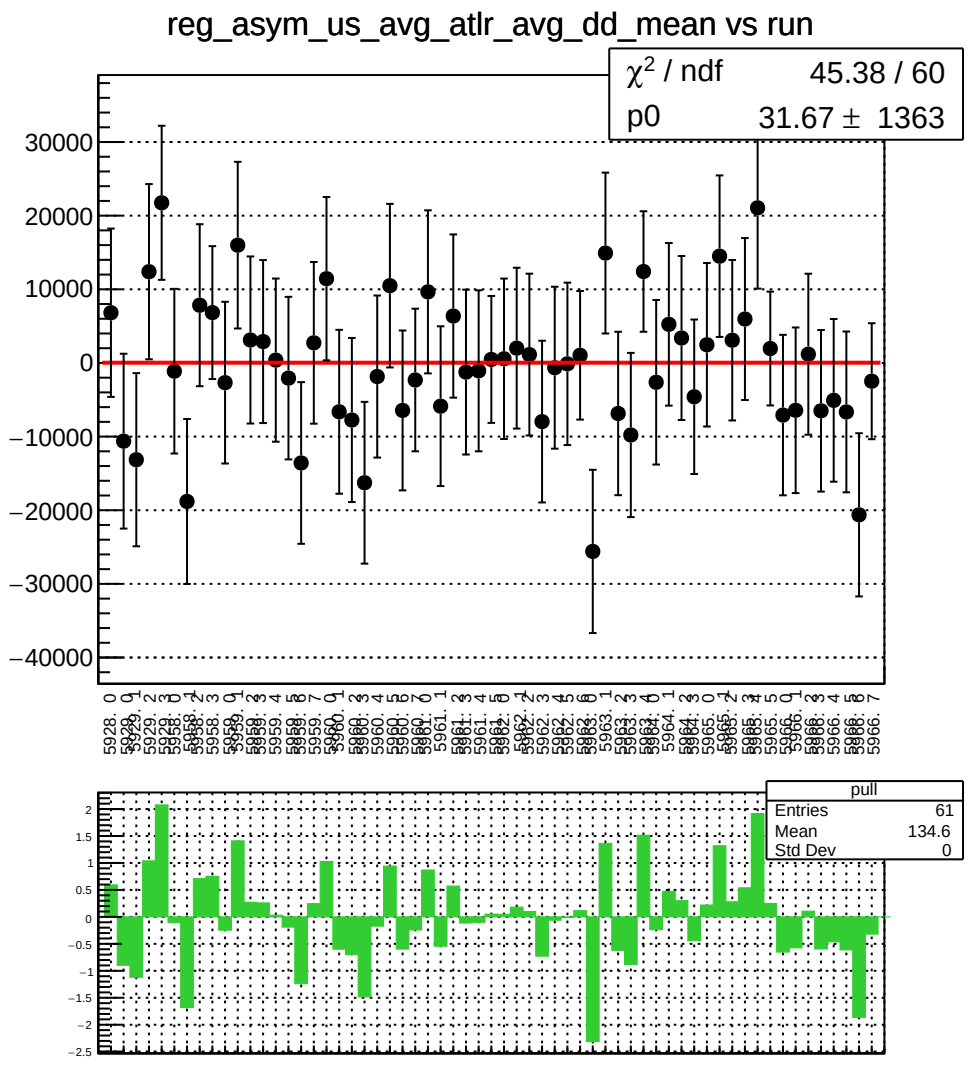

pull1D
Entries 61
Mean −0.008012
Std Dev 1.135

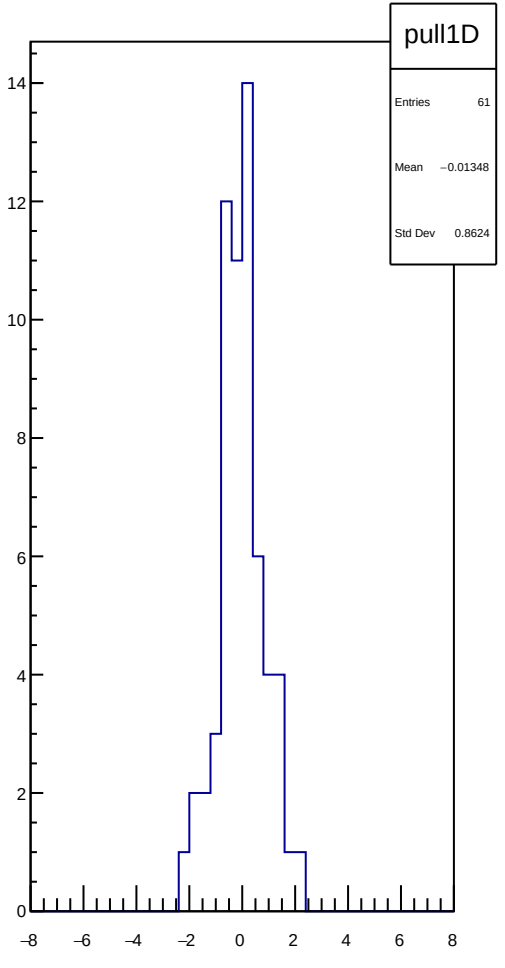

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.195e+04 / 60
p0 195.6 ± 0.1831
600
500
400
300
200

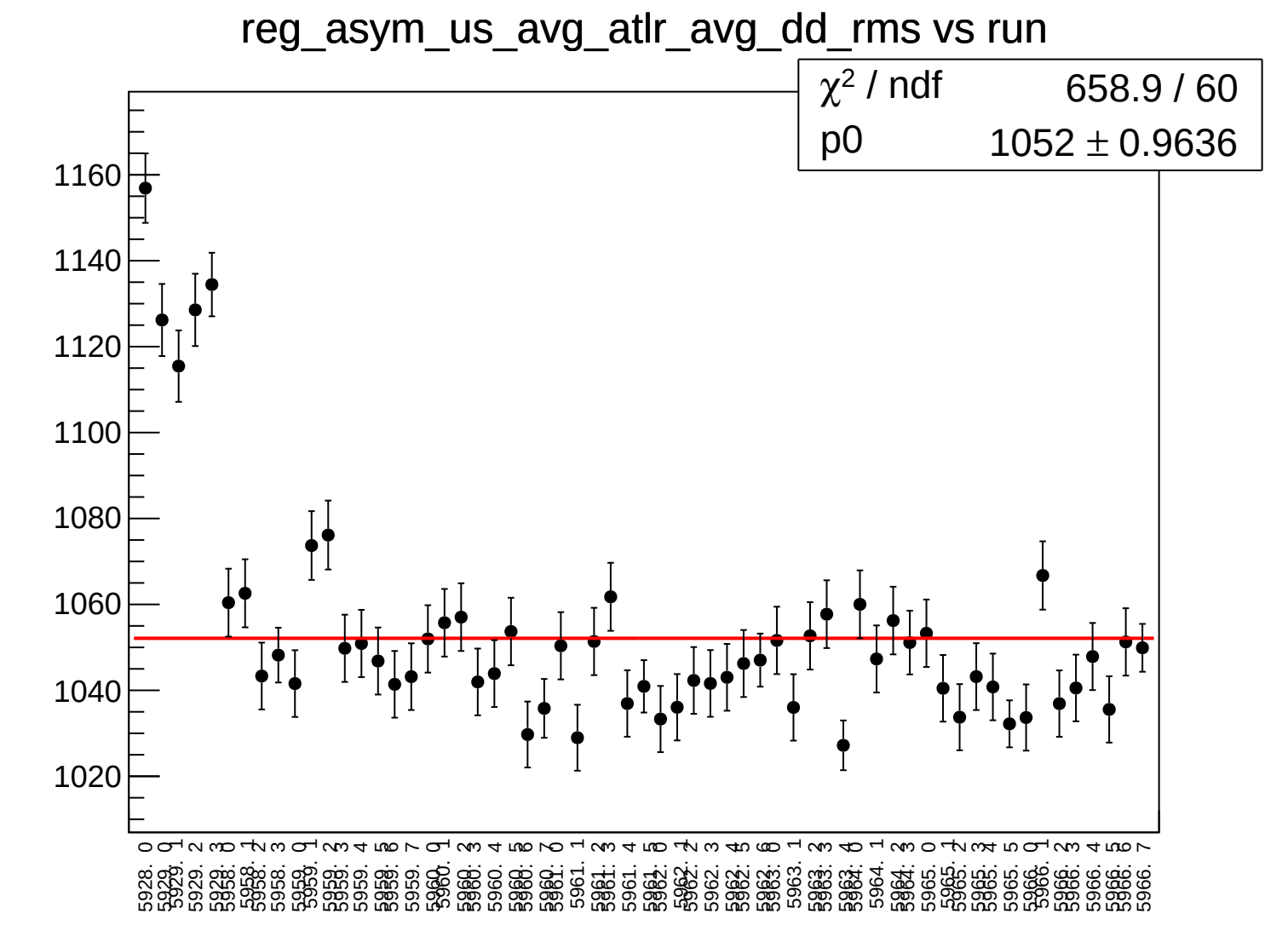

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 82.6 / 60
p0 7.402e−13 ± 3.464e−13
pull
Entries 61
Mean 81.68
Std Dev 0

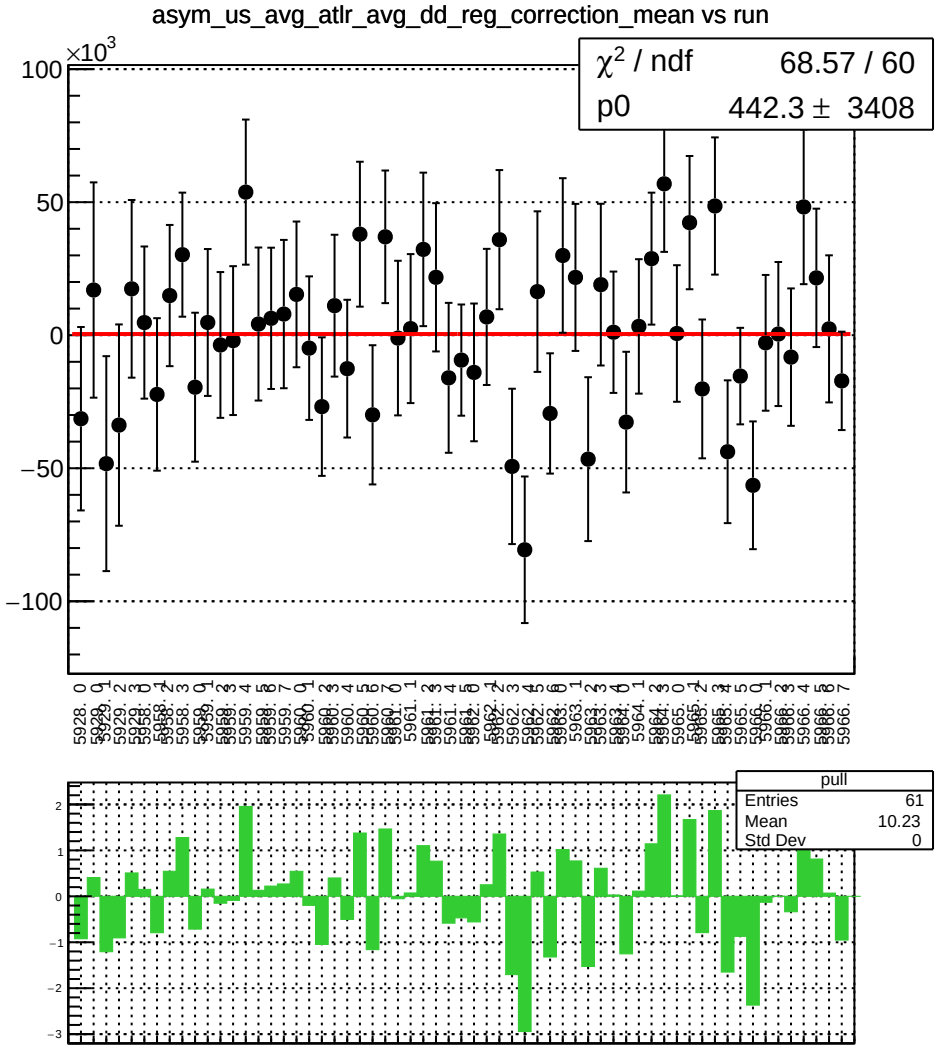

pull1D
Entries 61
Mean −0.05762
Std Dev 1.162

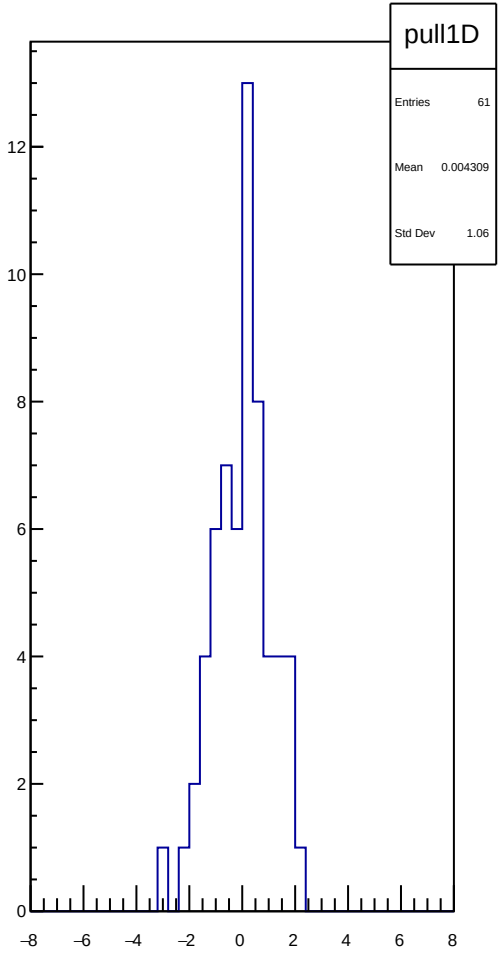

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.305e+05 / 60
p0 2.138e−10 ± 2.449e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

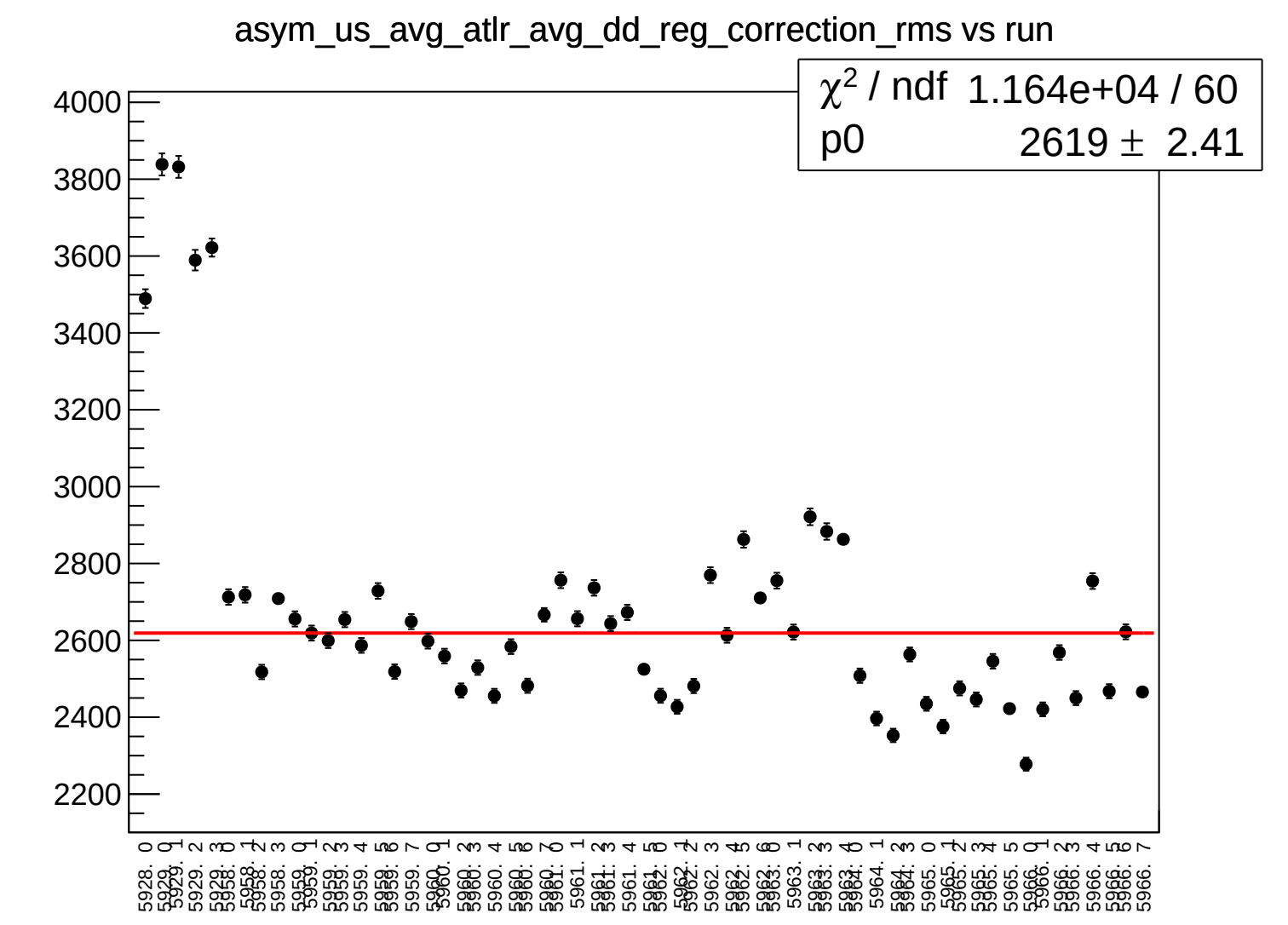

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.38 / 60
p0 31.67 ± 1363
pull
Entries 61
Mean 134.6
Std Dev 0

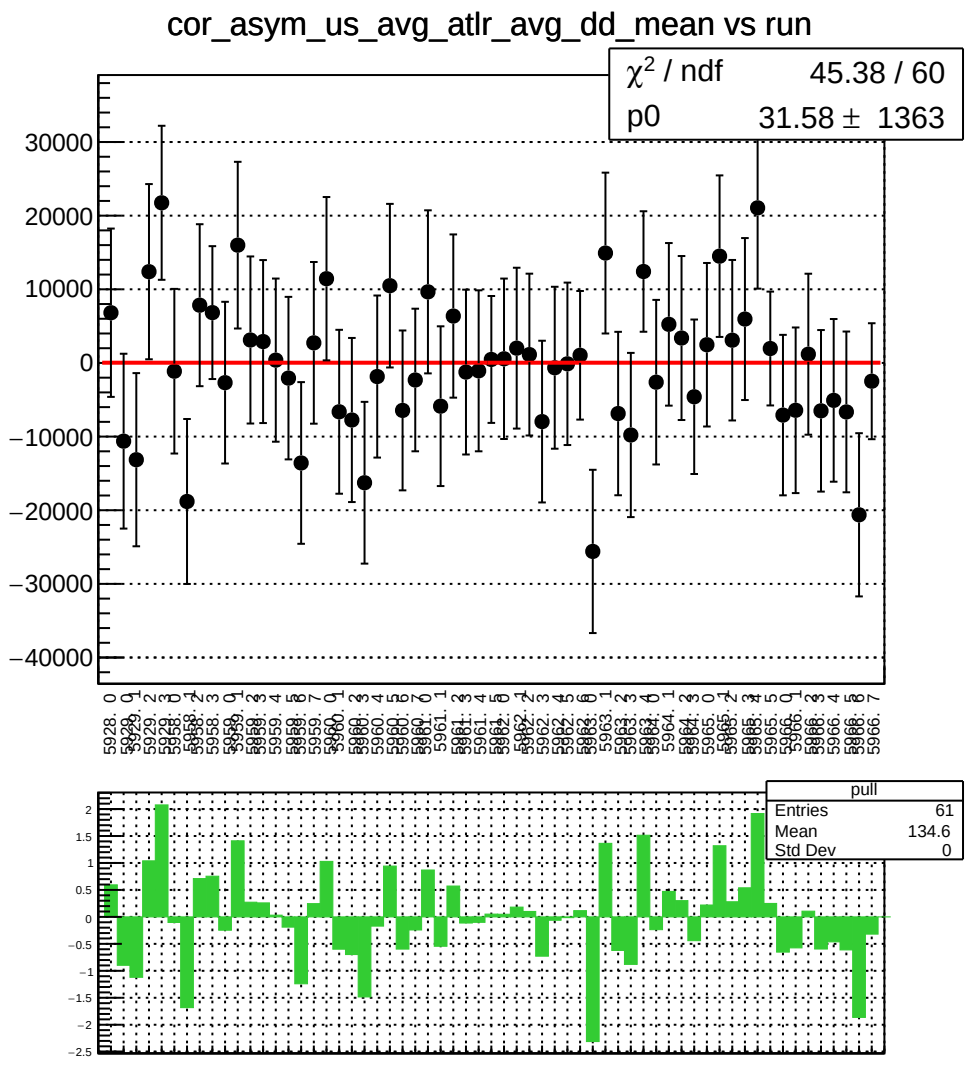

pull1D
Entries 61
Mean −0.01348
Std Dev 0.8624

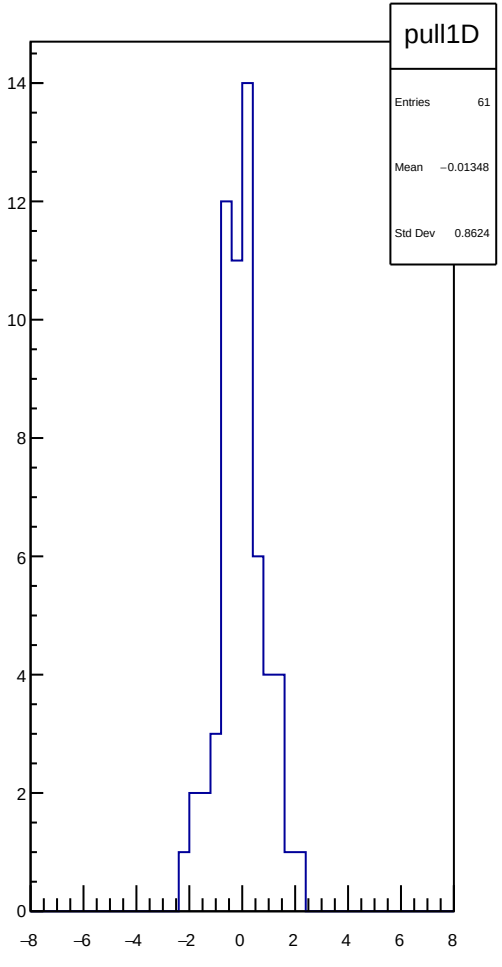

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 658.9 / 60
p0 1052 ± 0.9636
1160
1140
1120
1100
1080
1060
1040
1020

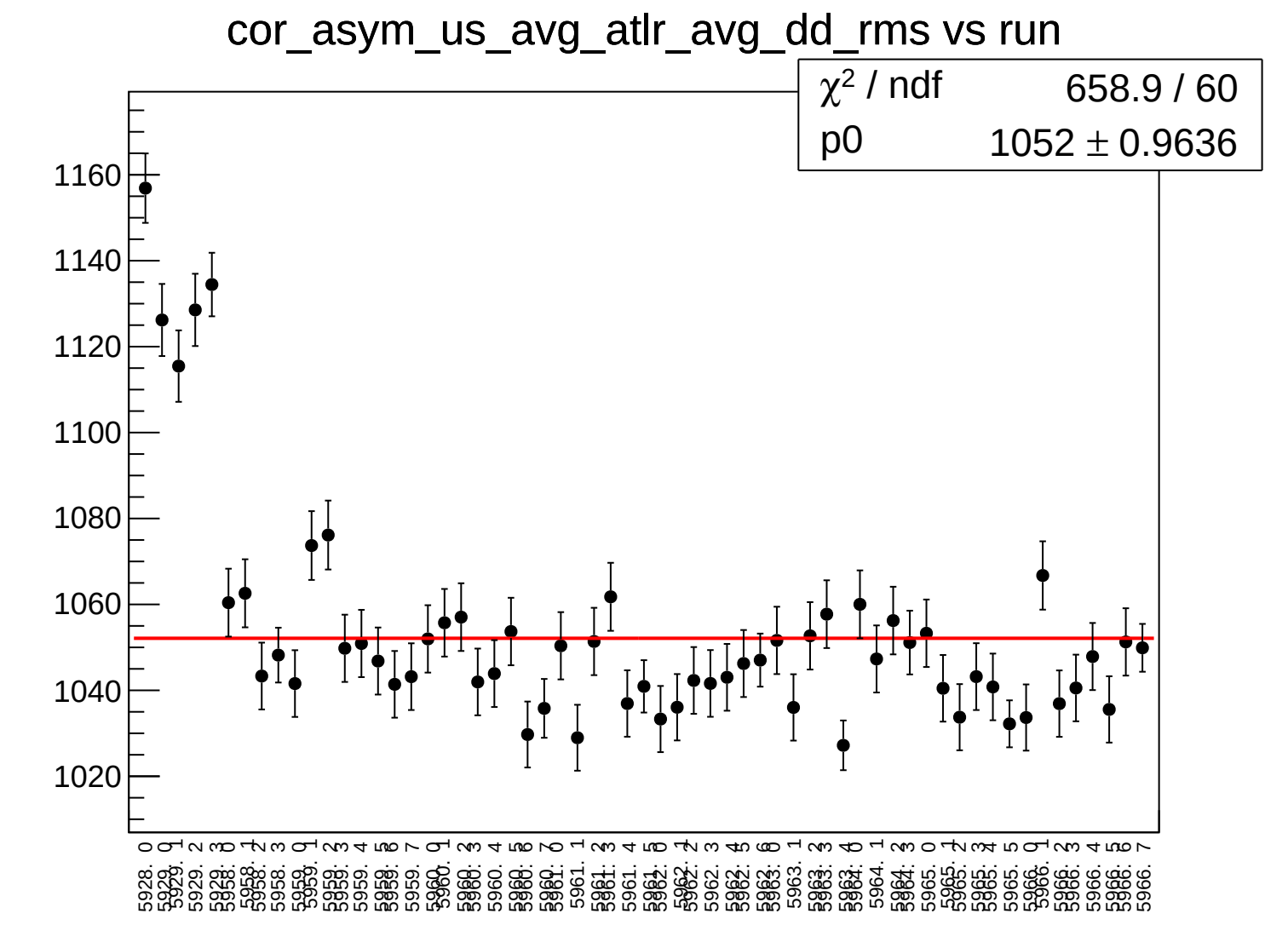

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 68.57 / 60
p0 442.3 ± 3408
pull
Entries 61
Mean 10.23
Std Dev 0

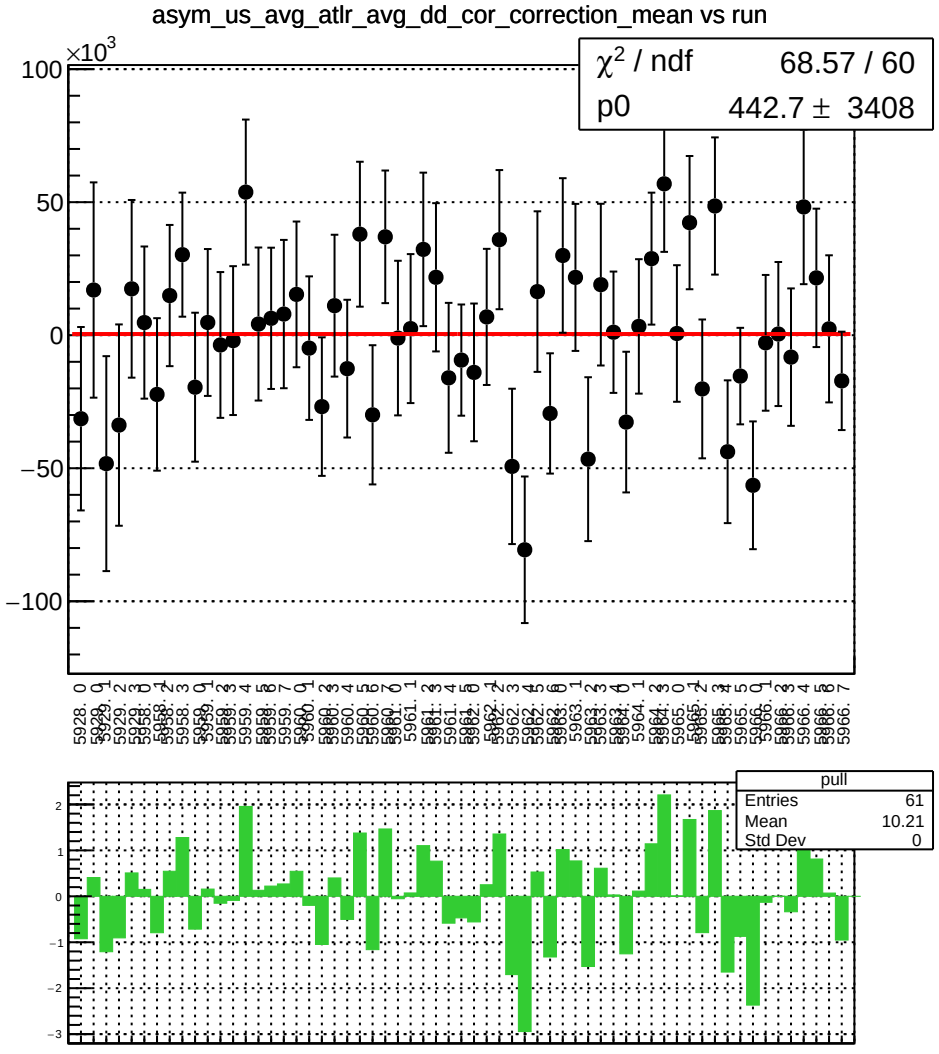

pull1D
Entries 61
Mean 0.004309
Std Dev 1.06

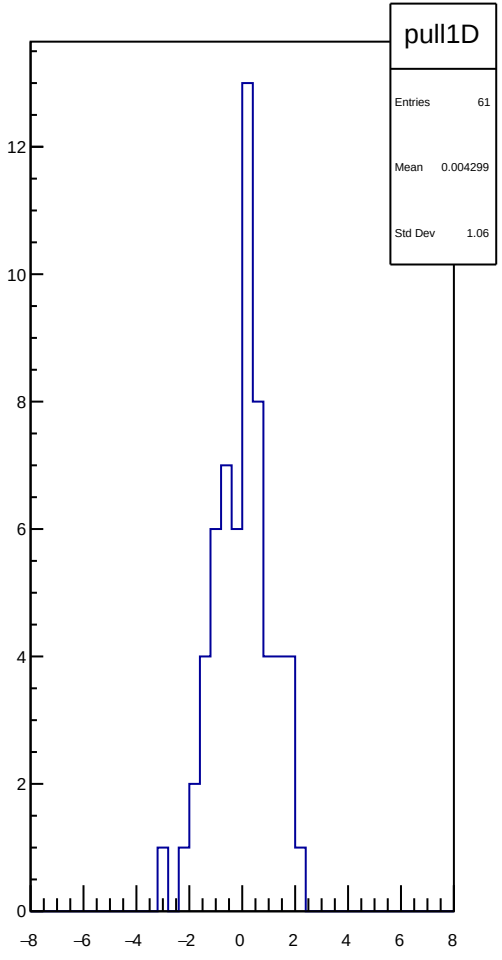

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.164e+04 / 60
p0 2619 ± 2.41
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

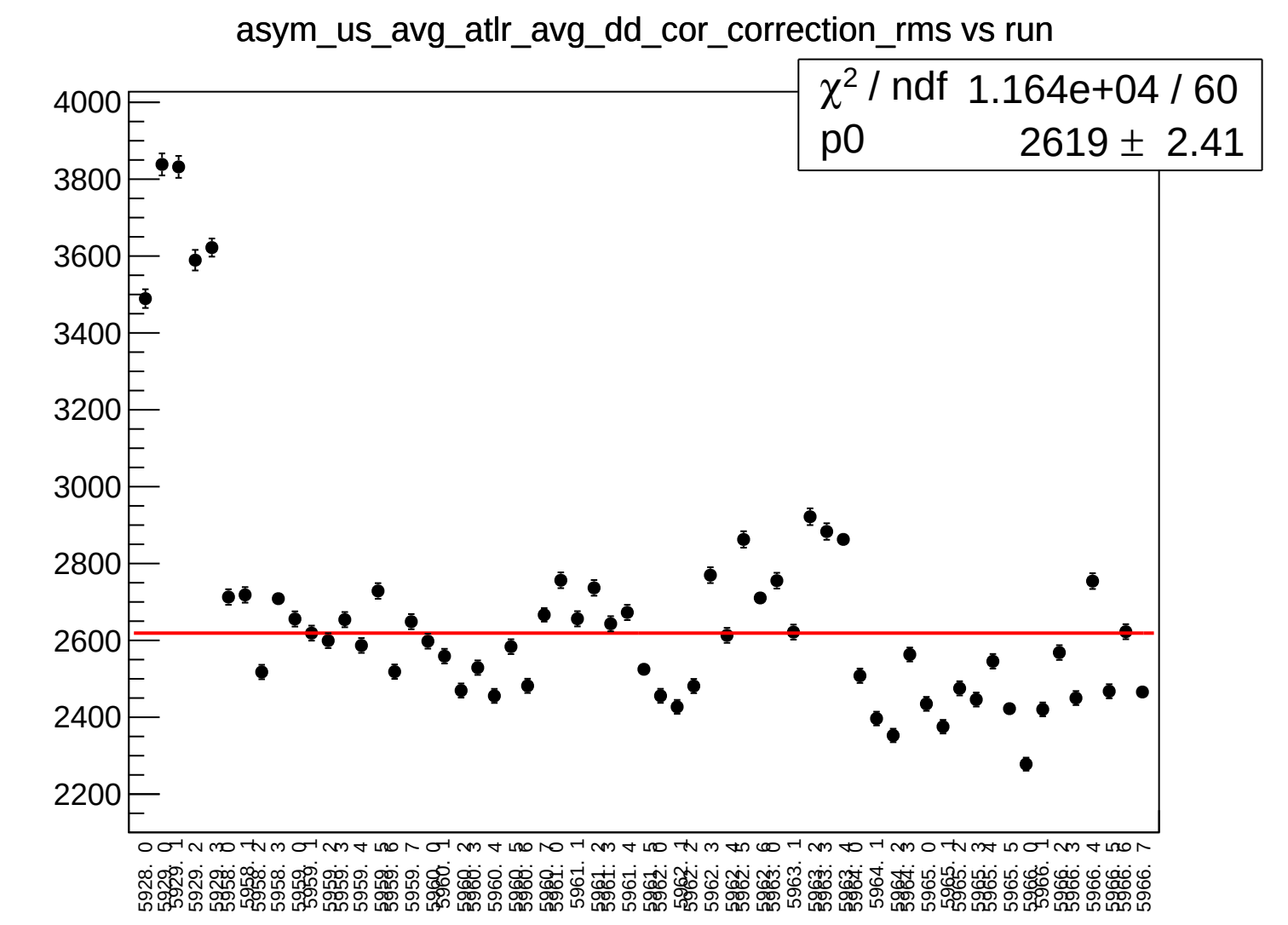

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.38 / 60
p0 31.58 ± 1363
pull
Entries 61
Mean 134.6
Std Dev 0

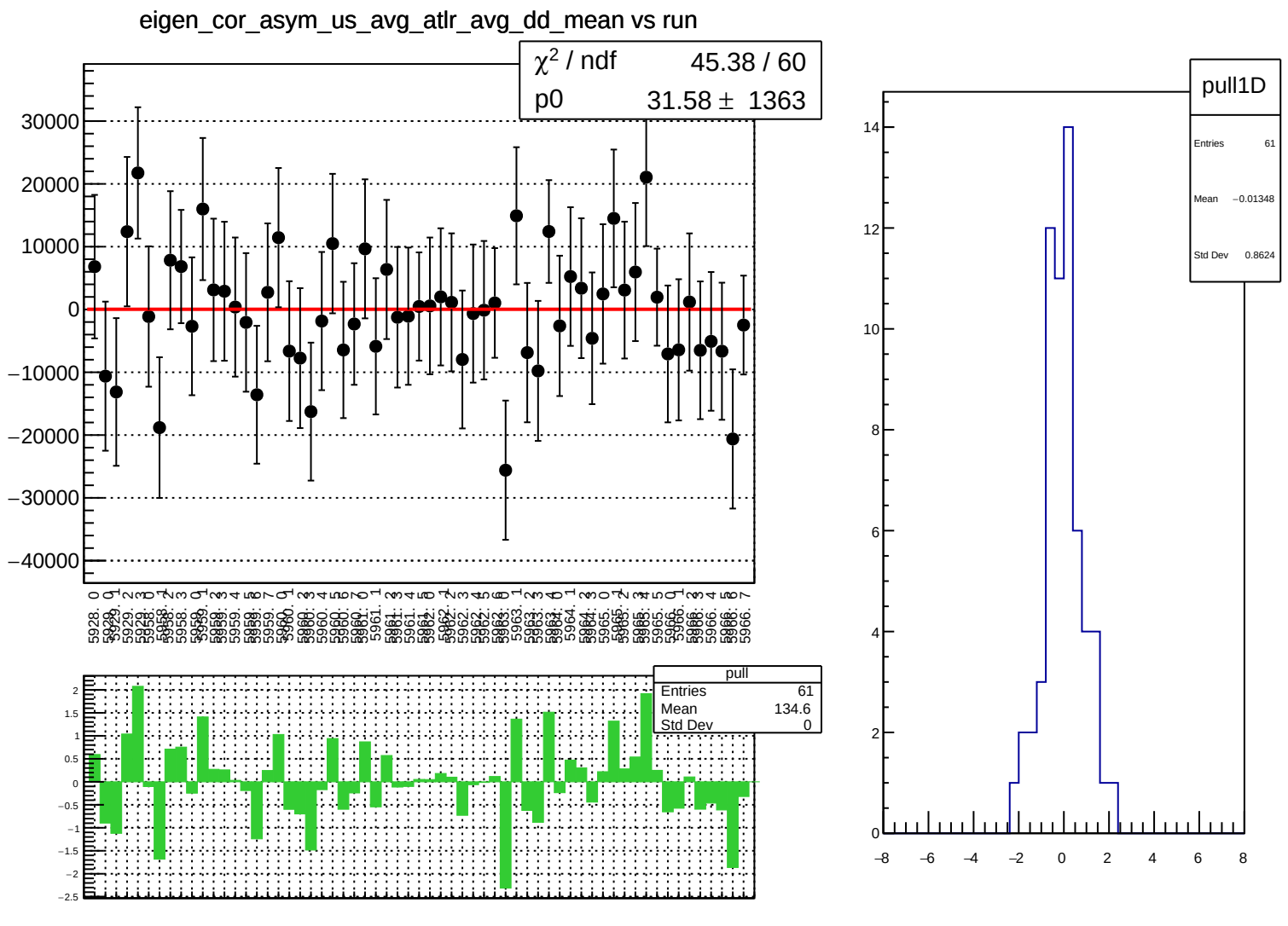

pull1D
Entries 61
Mean −0.01348
Std Dev 0.8624

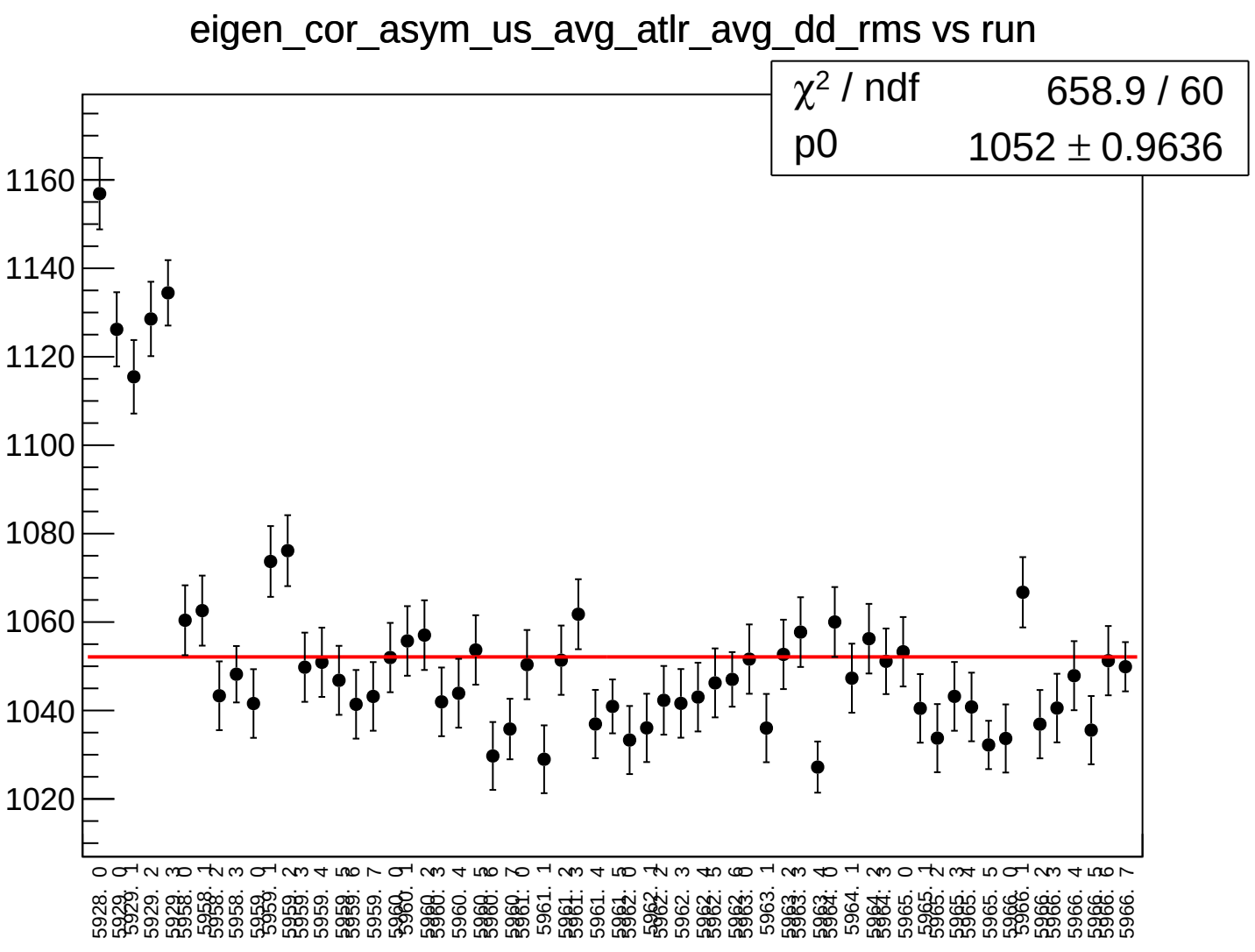

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 658.9 / 60
p0 1052 ± 0.9636
1160
1140
1120
1100
1080
1060
1040
1020

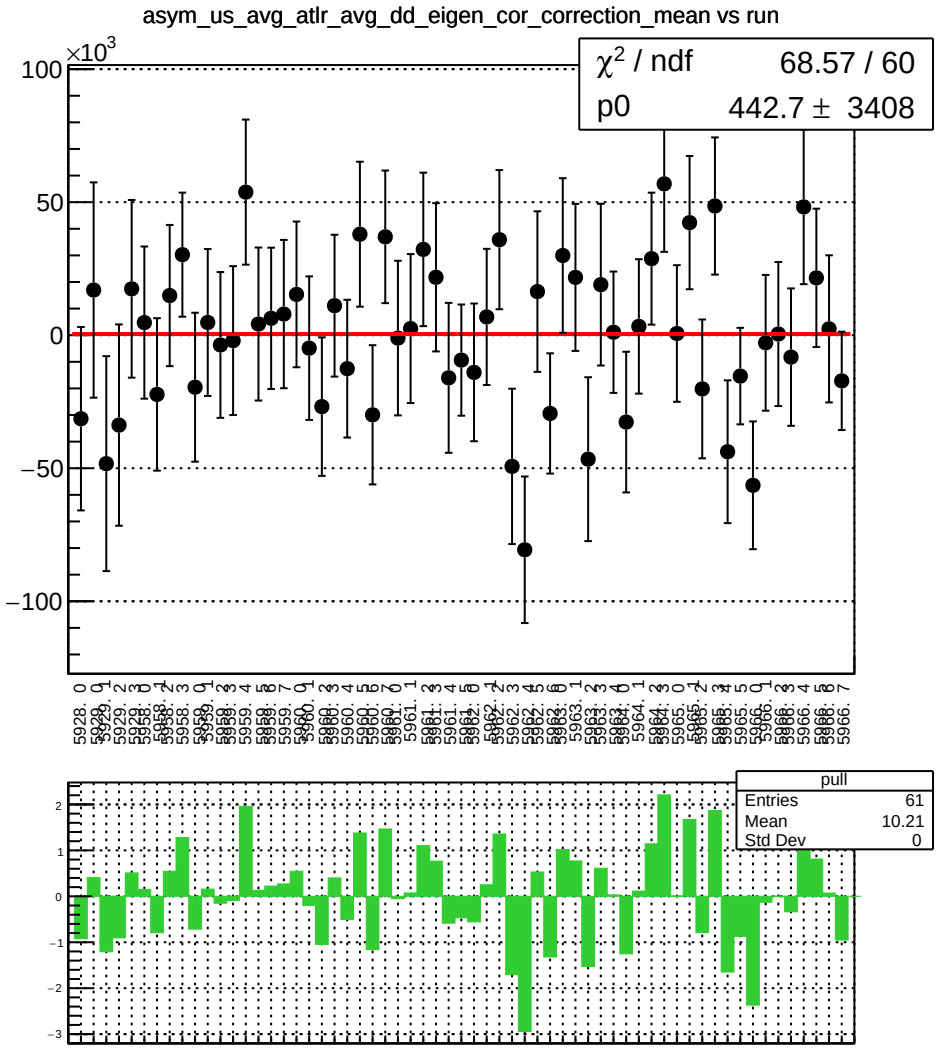

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 68.57 / 60
p0 442.7 ± 3408
pull
Entries 61
Mean 10.21
Std Dev 0

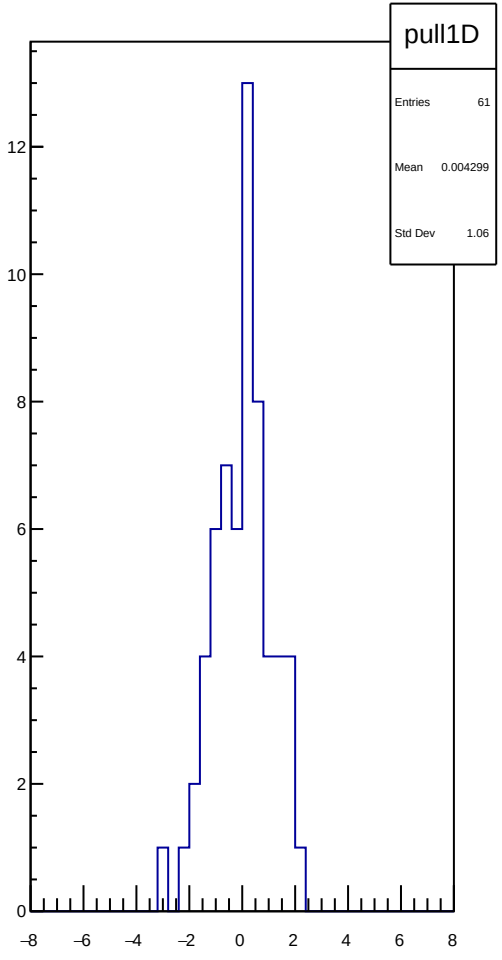

pull1D
Entries 61
Mean 0.004299
Std Dev 1.06

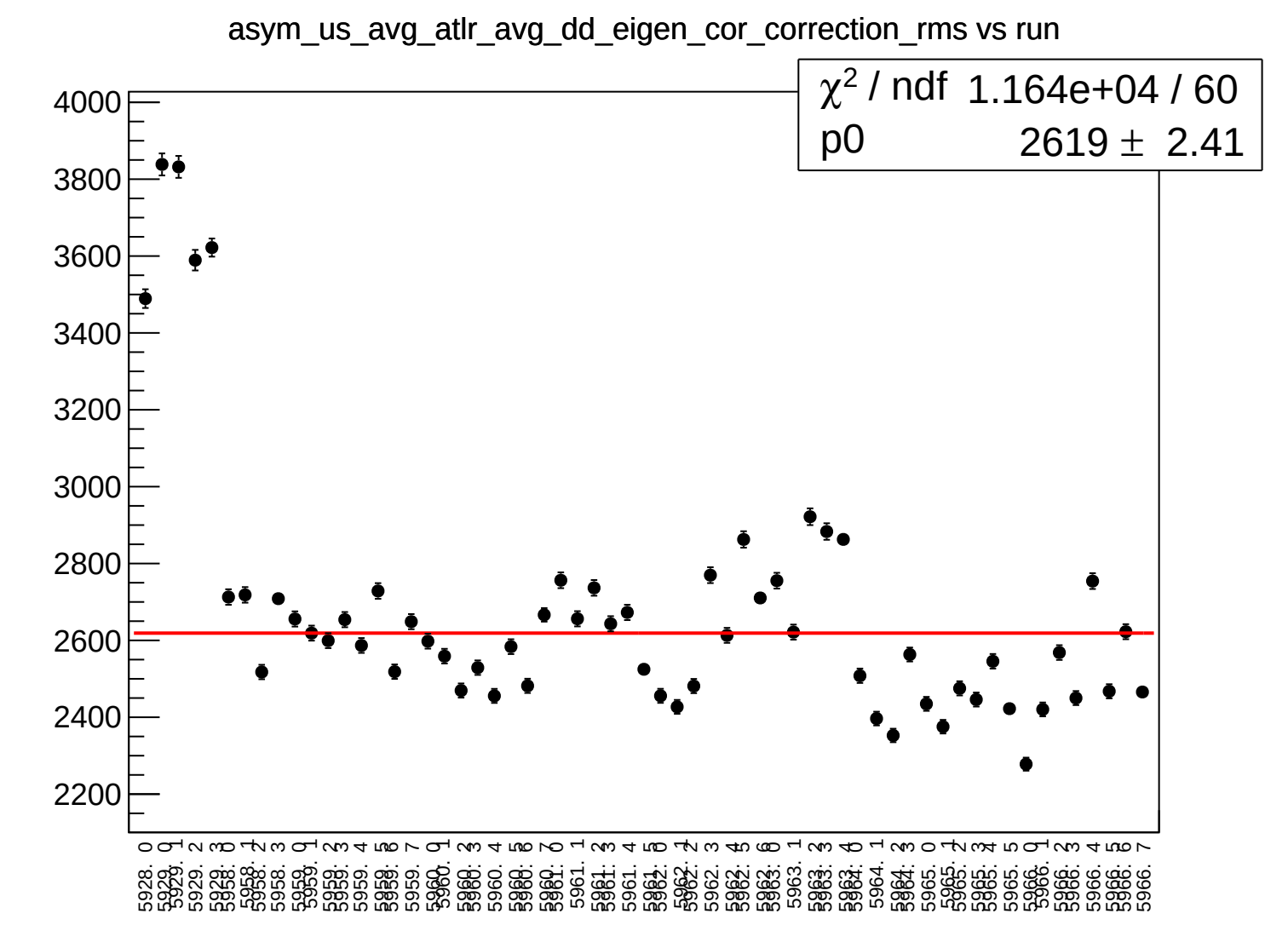

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.164e+04 / 60
p0 2619 ± 2.41
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

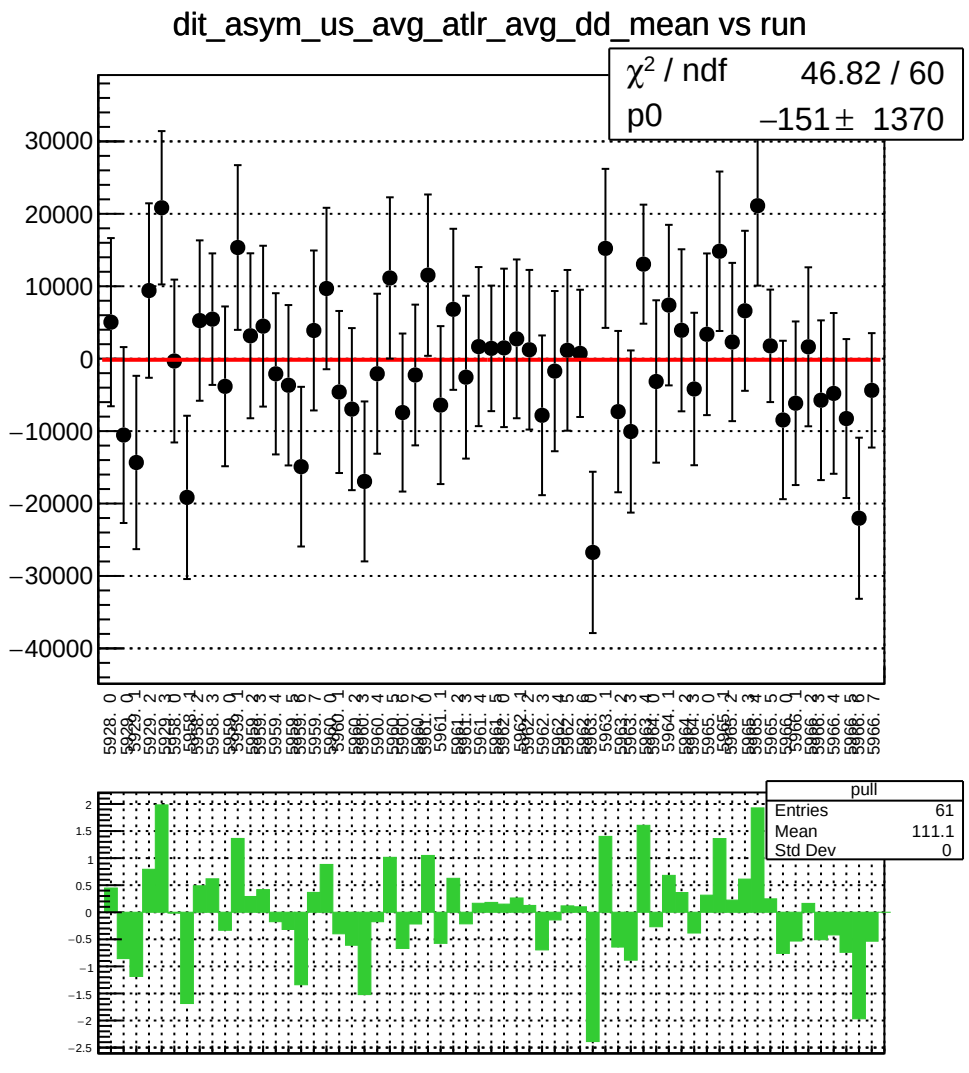

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.38 / 60
p0 31.58 ± 1363
pull
Entries 61
Mean 134.6
Std Dev 0
pull1D
Entries 61
Mean −0.01348
Std Dev 0.8624

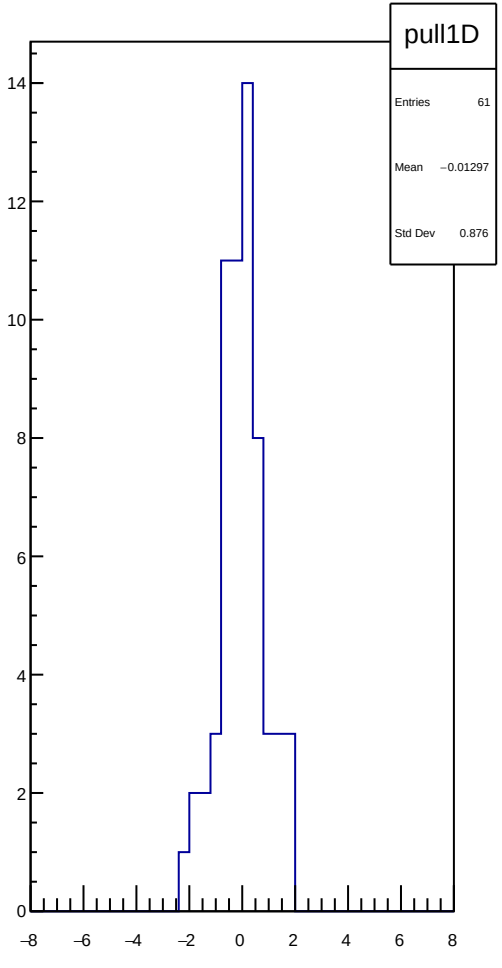

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 658.9 / 60
p0 1052 ± 0.9636
1160
1140
1120
1100
1080
1060
1040
1020

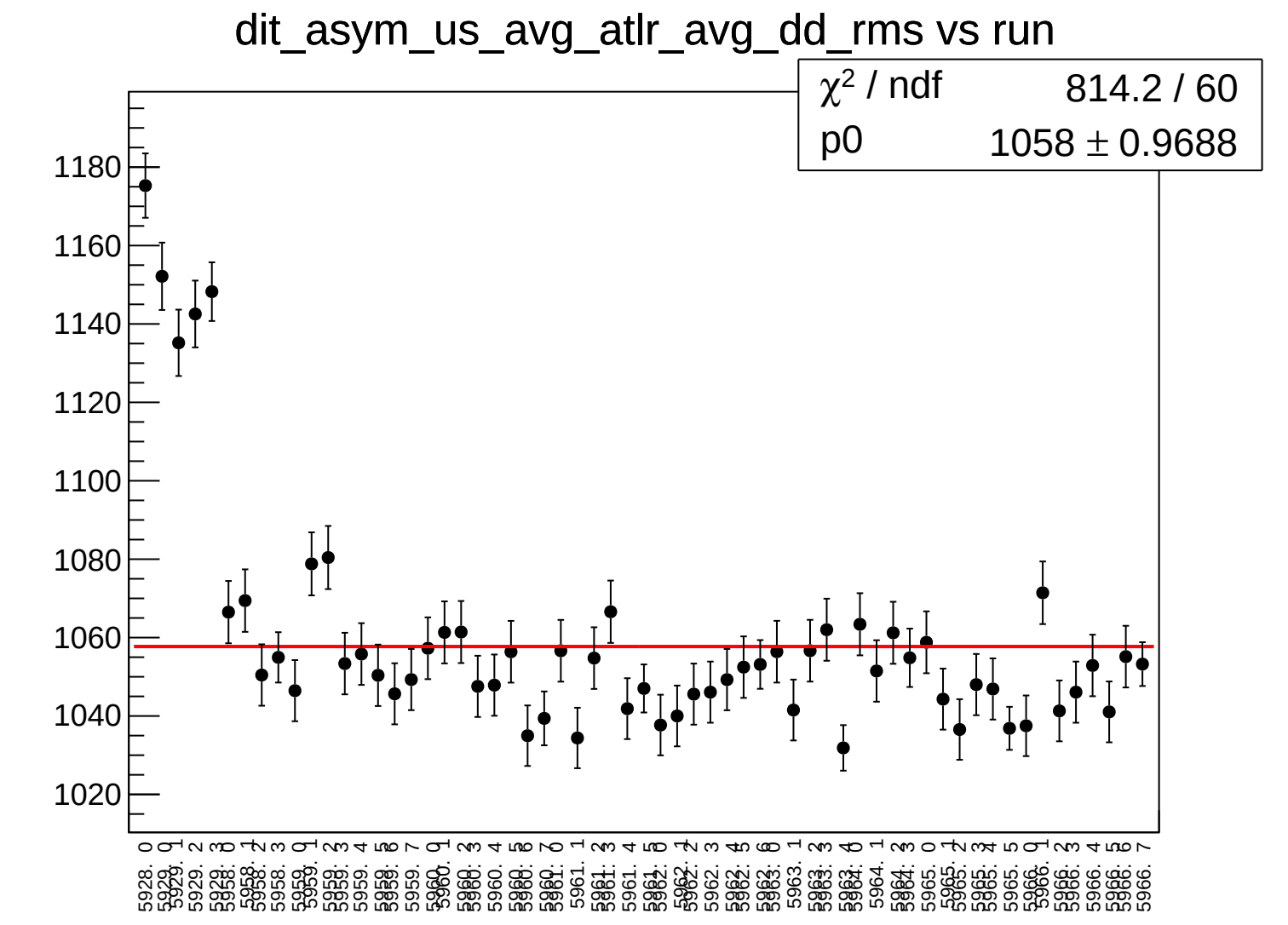

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.57 / 60
p0 442.7 ± 3408
pull
Entries 61
Mean 10.21
Std Dev 0

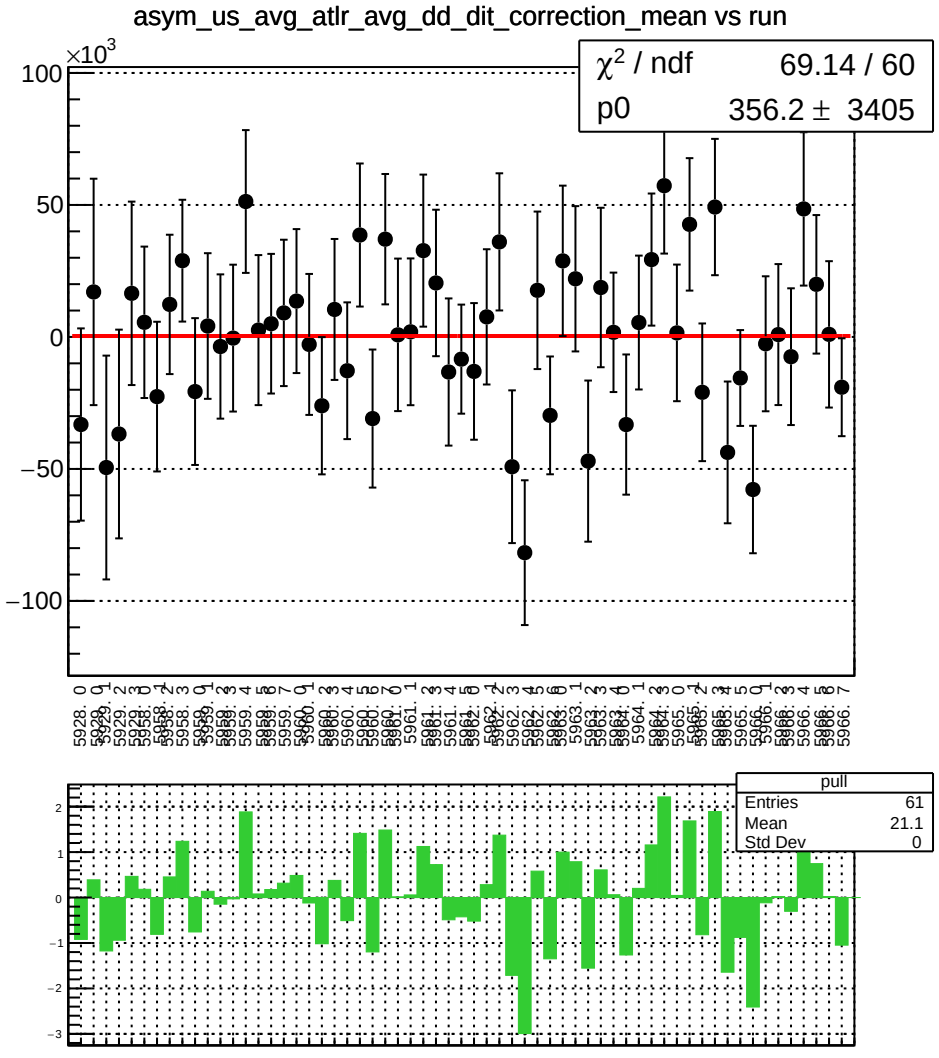

pull1D
Entries 61
Mean 0.004299
Std Dev 1.06

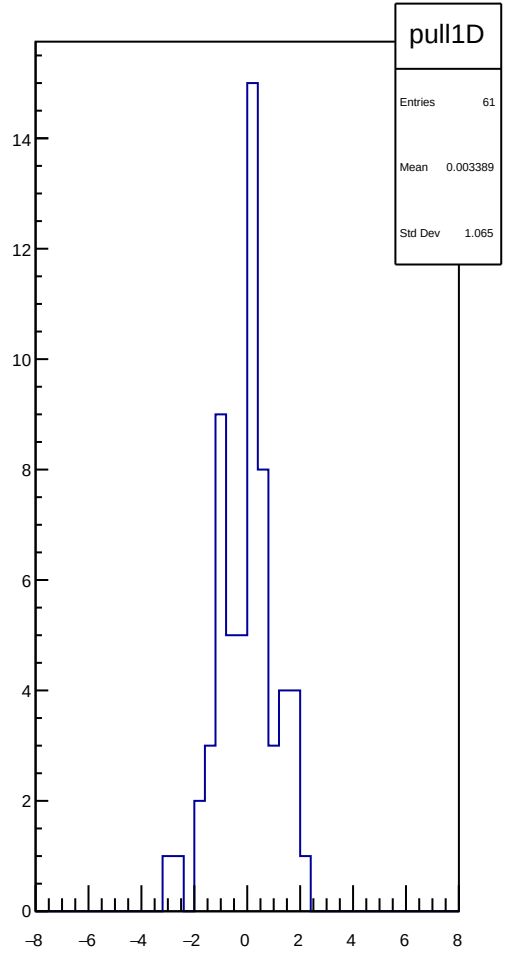

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.164e+04 / 60
p0 2619 ± 2.41
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

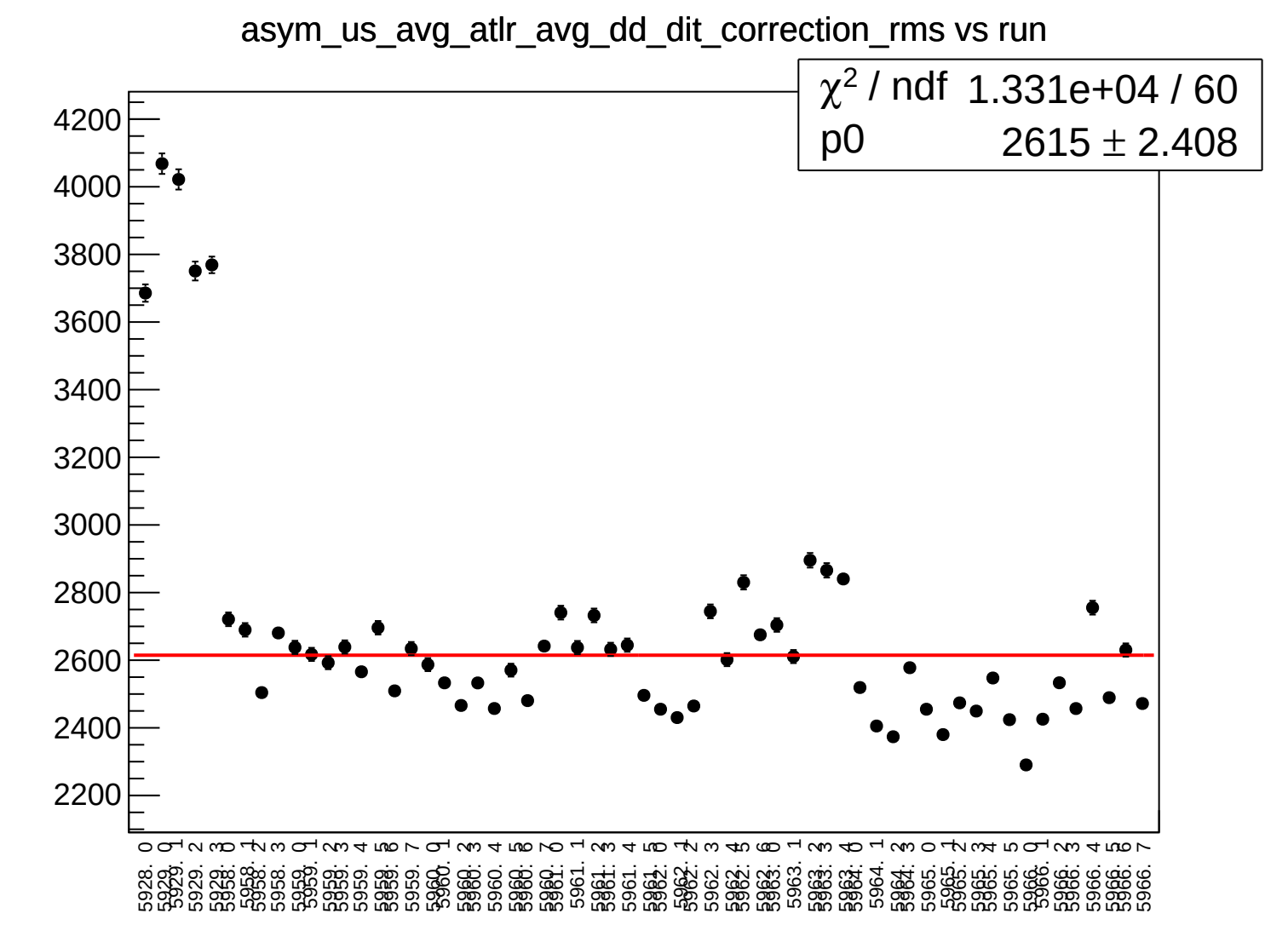

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.82 / 60
p0 −151 ± 1370
pull
Entries 61
Mean 111.1
Std Dev 0

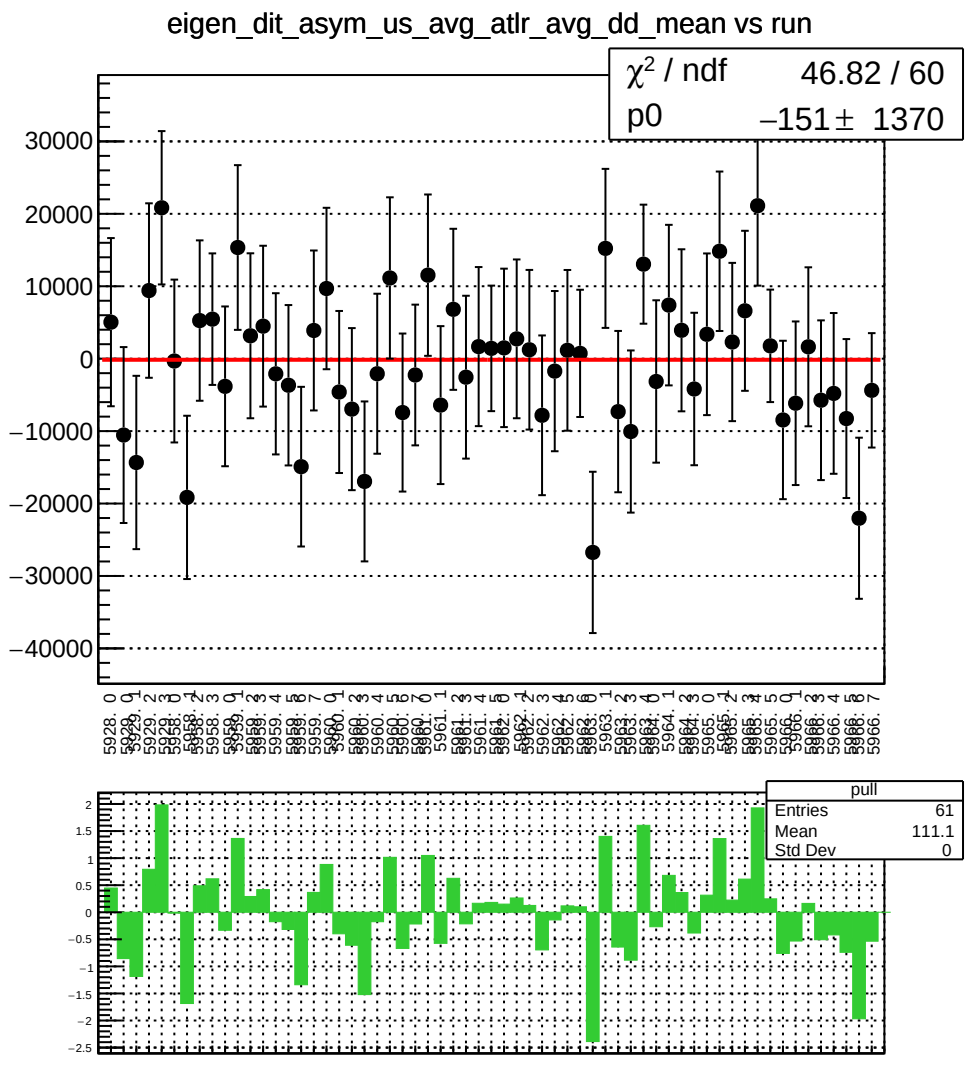

pull1D
Entries 61
Mean −0.01297
Std Dev 0.876

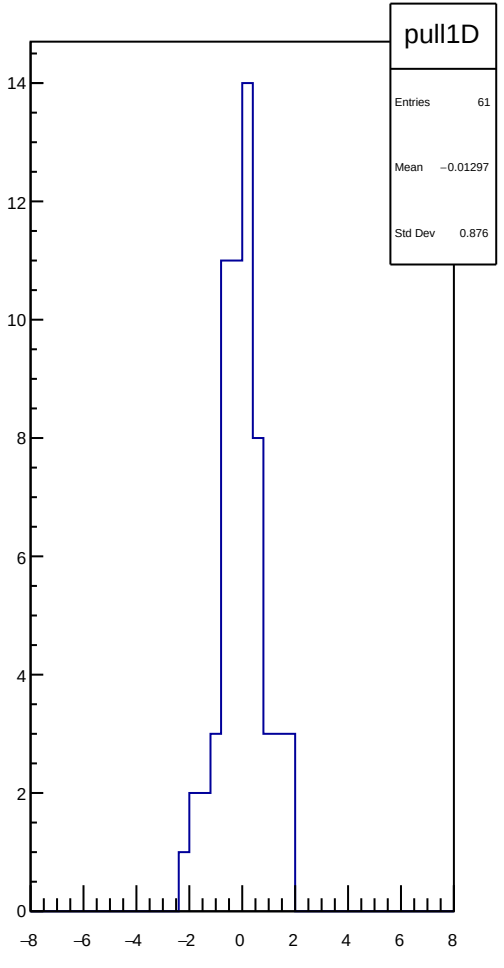

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 814.2 / 60
p0 1058 ± 0.9688
1180
1160
1140
1120
1100
1080
1060
1040
1020

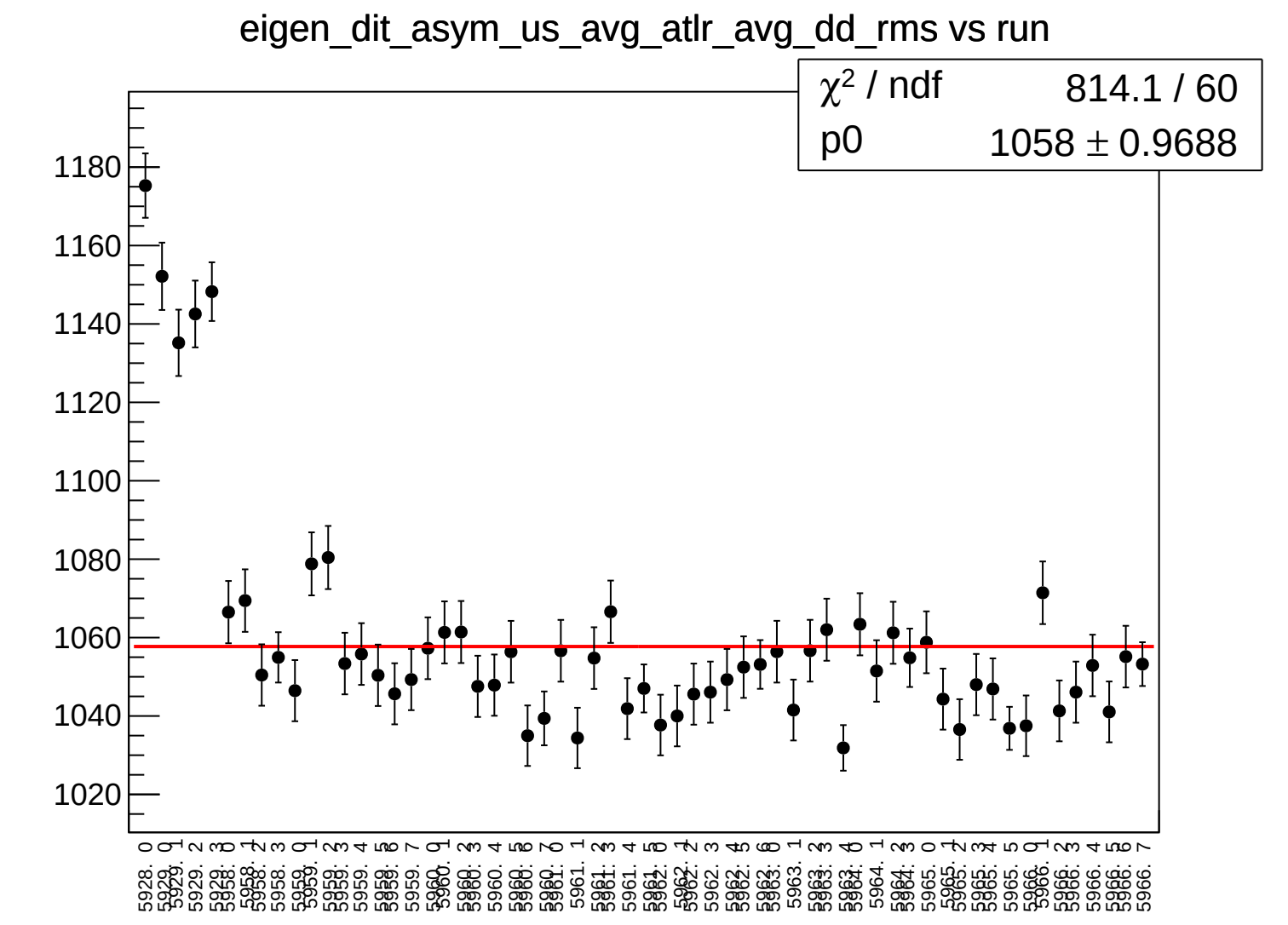

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 69.14 / 60
p0 356.2 ± 3405
pull
Entries 61
Mean 21.1
Std Dev 0

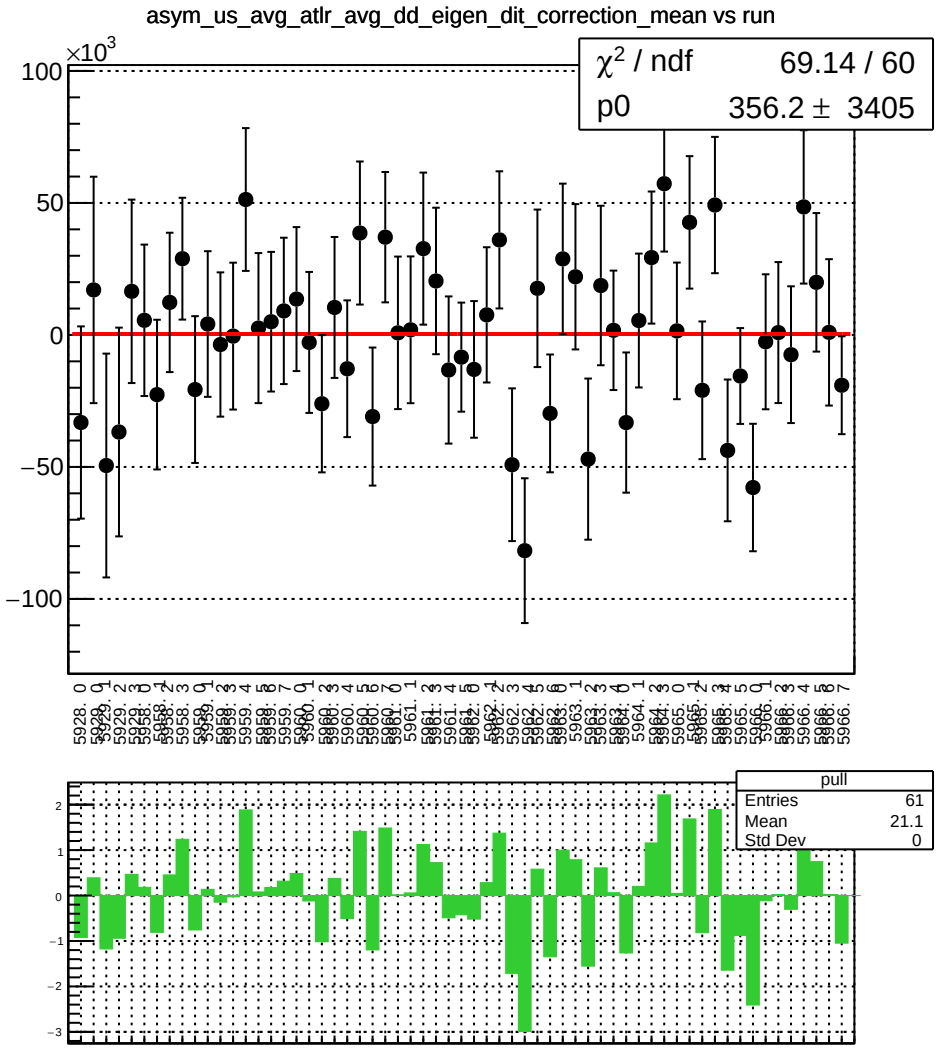

pull1D
Entries 61
Mean 0.003389
Std Dev 1.065

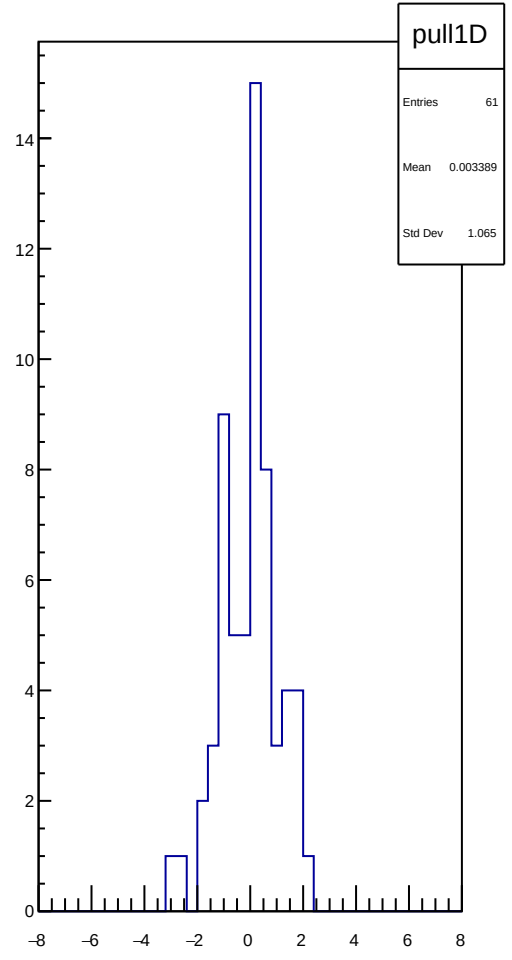

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 1.331e+04 / 60
p0 2615 ± 2.408
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

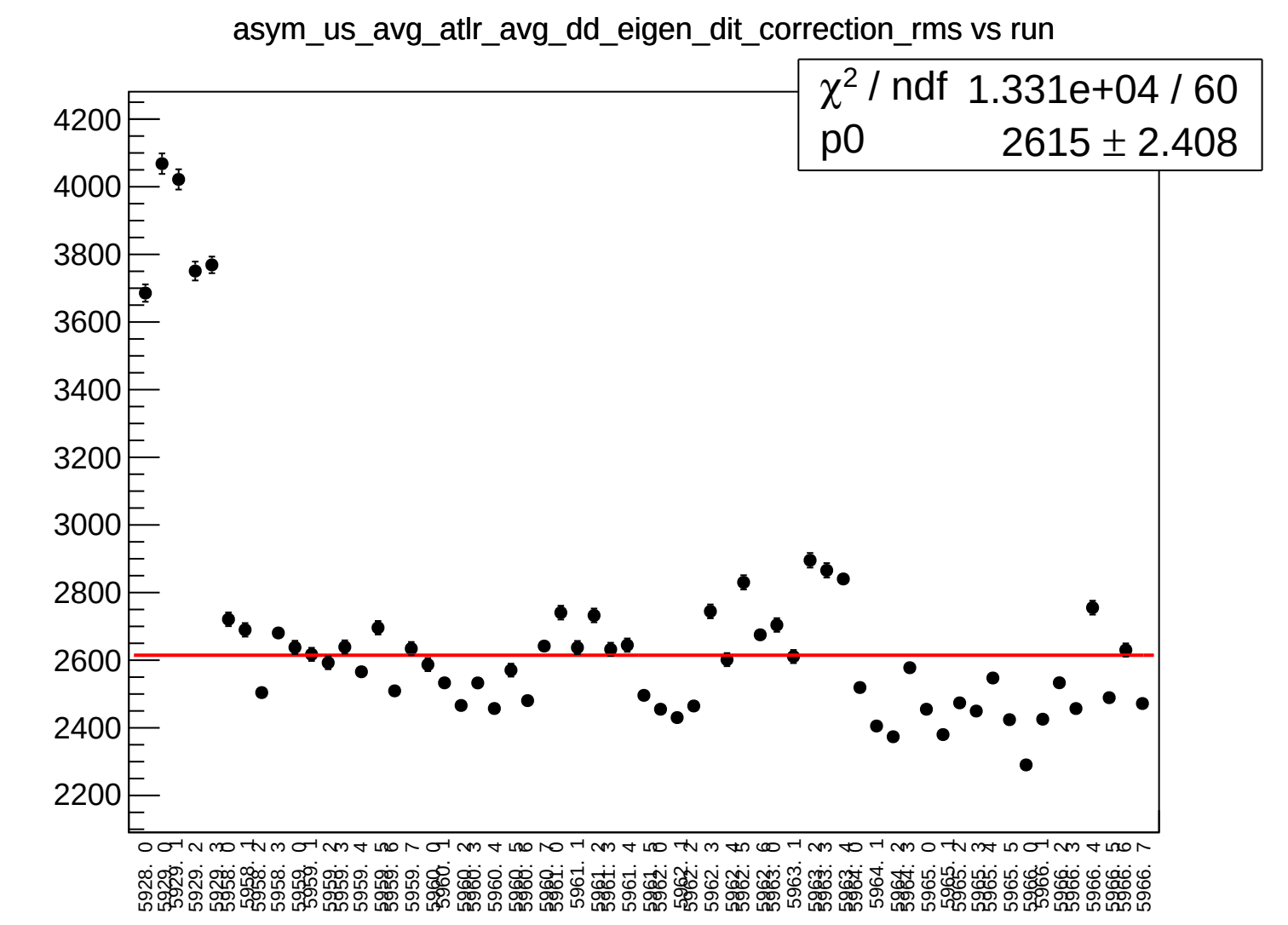

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 46.82 / 60
p0 −151 ± 1370
pull
Entries 61
Mean 111.1
Std Dev 0

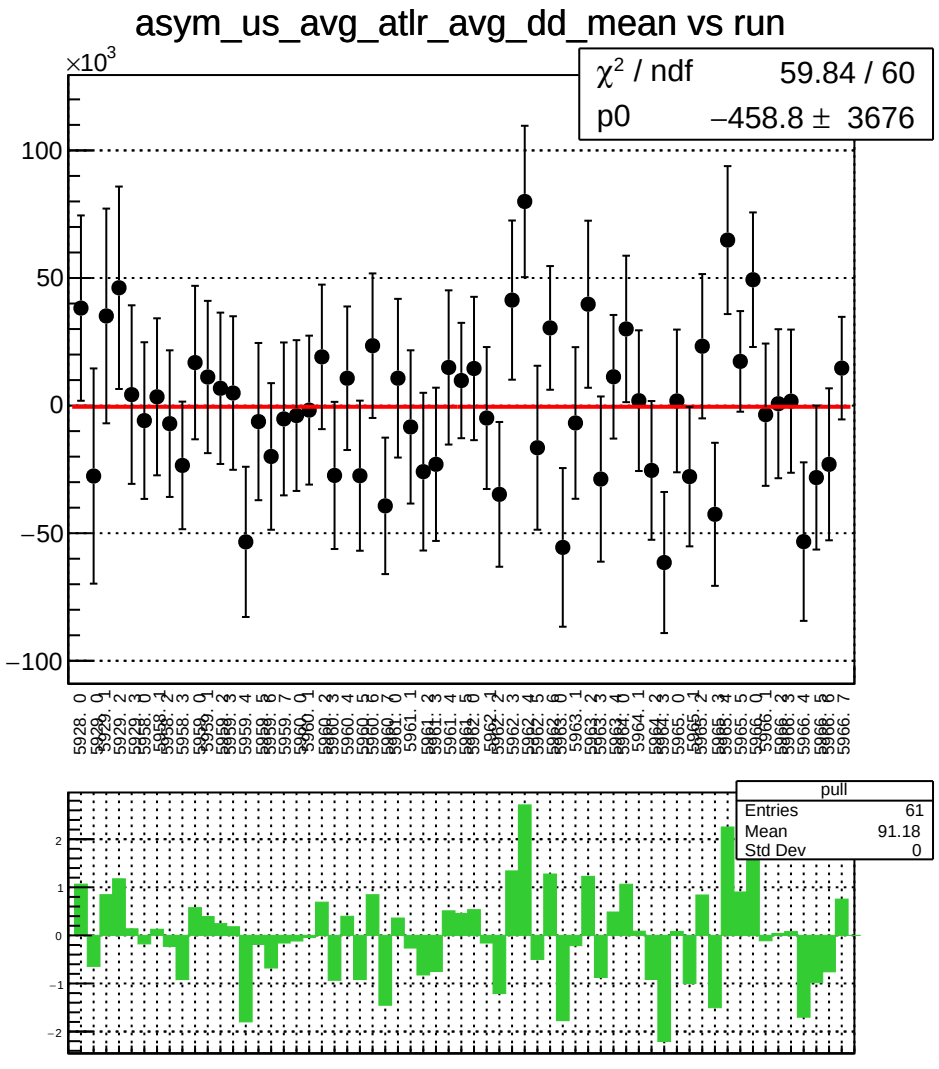

pull1D
Entries 61
Mean −0.01297
Std Dev 0.876

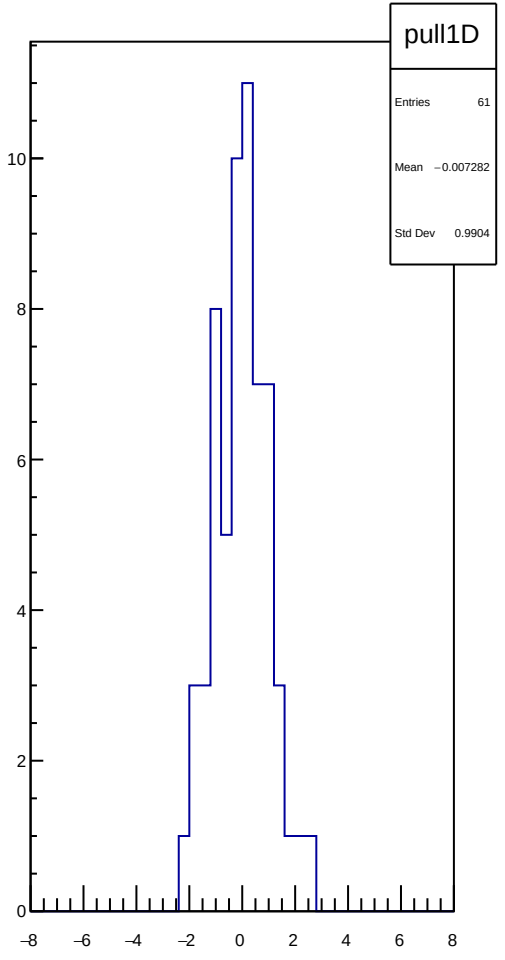

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 814.1 / 60
p0 1058 ± 0.9688
1180
1160
1140
1120
1100
1080
1060
1040
1020

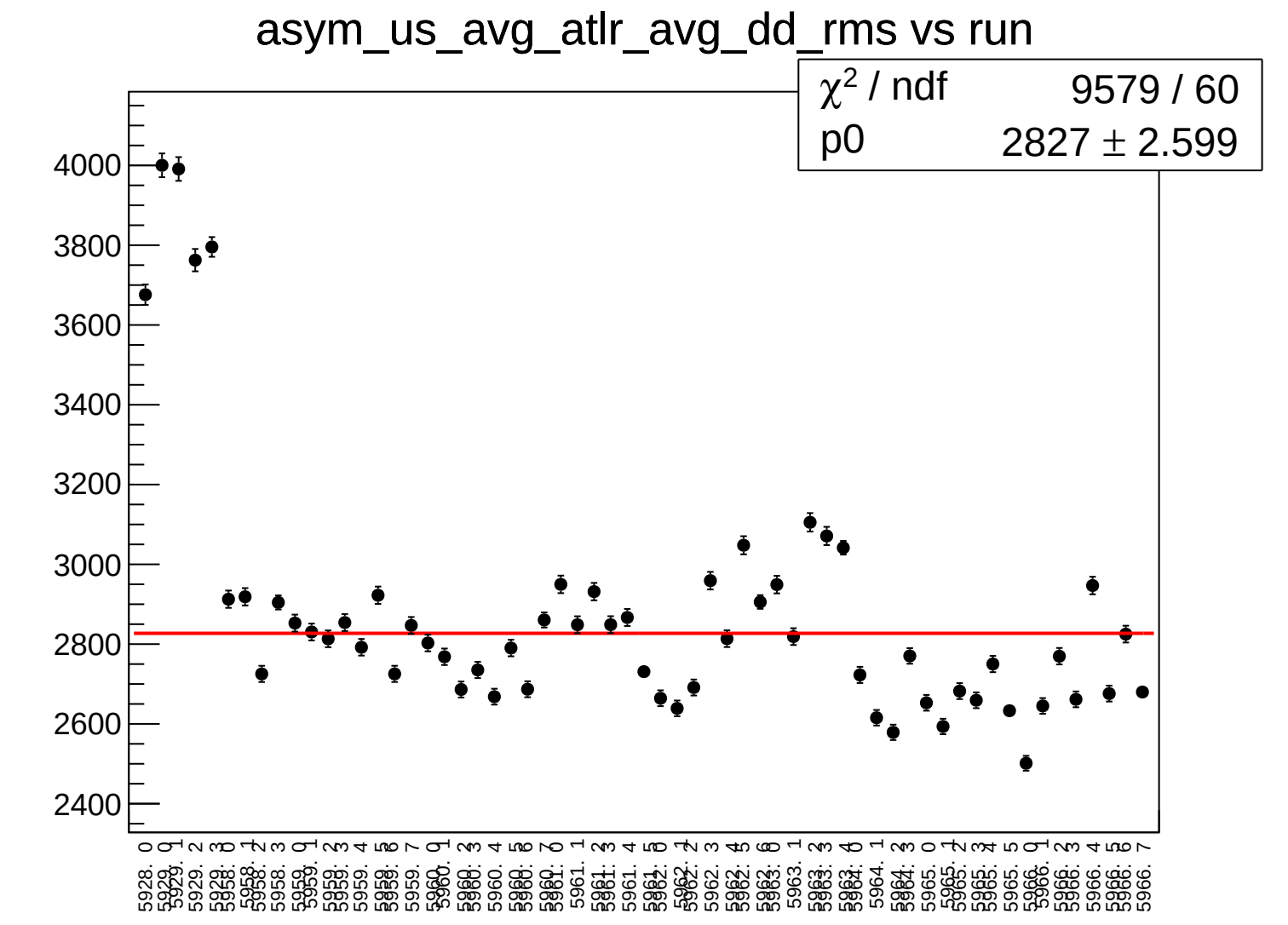

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 69.14 / 60
p0 356.2 ± 3405
pull
Entries 61
Mean 21.1
Std Dev 0

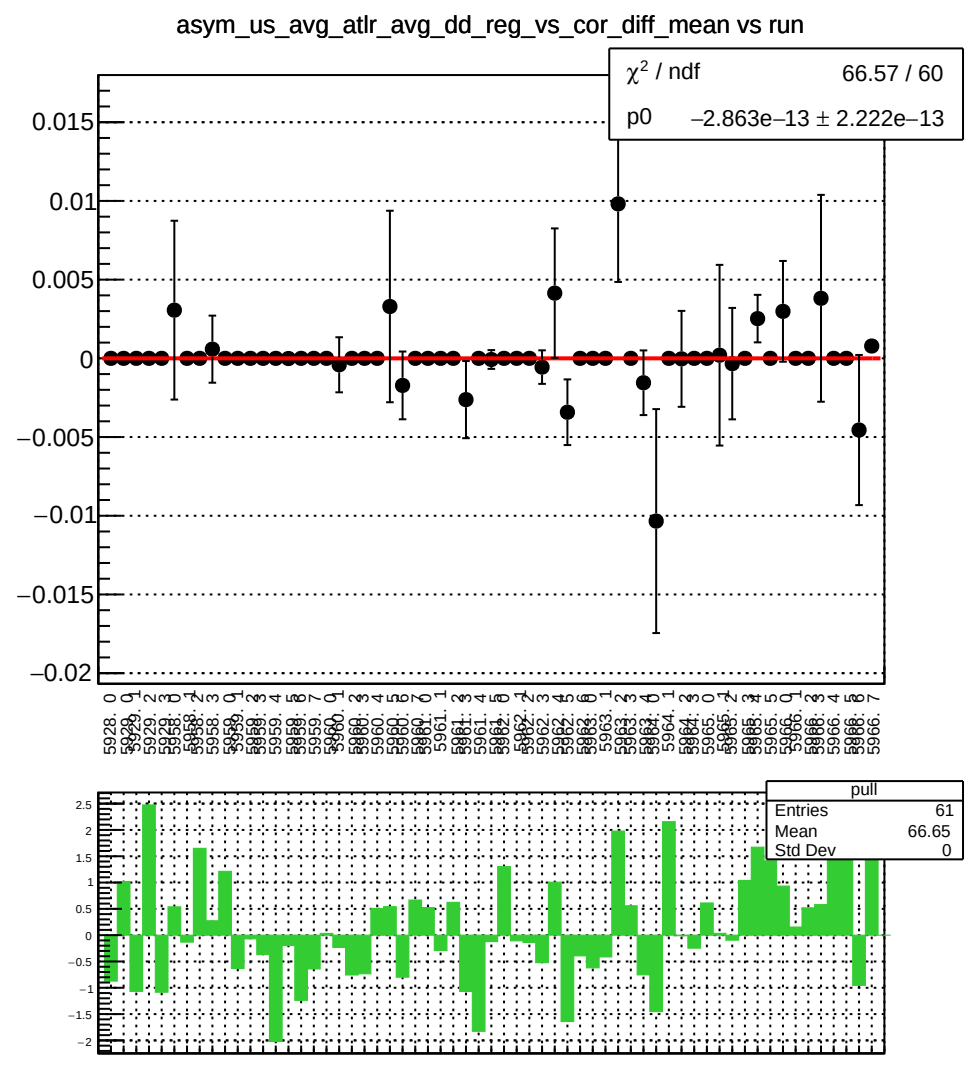

pull1D
Entries 61
Mean 0.003389
Std Dev 1.065

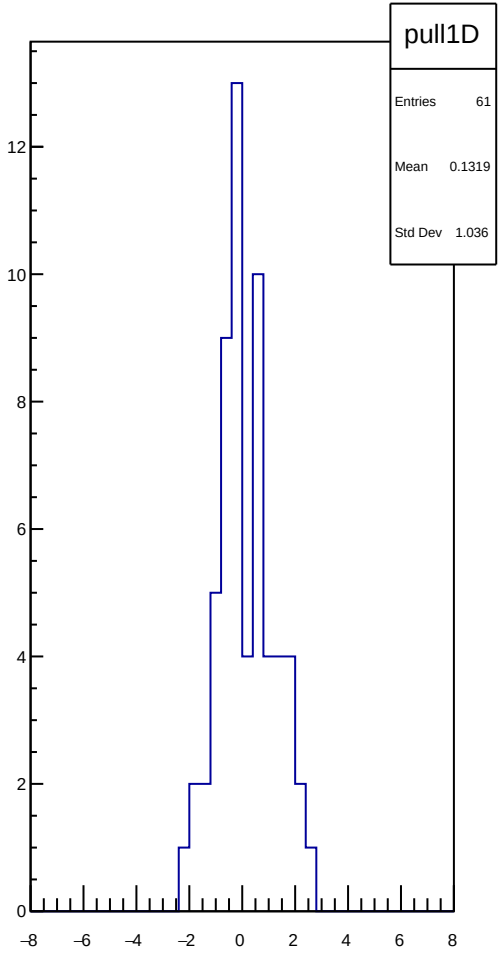

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1.331e+04 / 60
p0 2615 ± 2.408
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

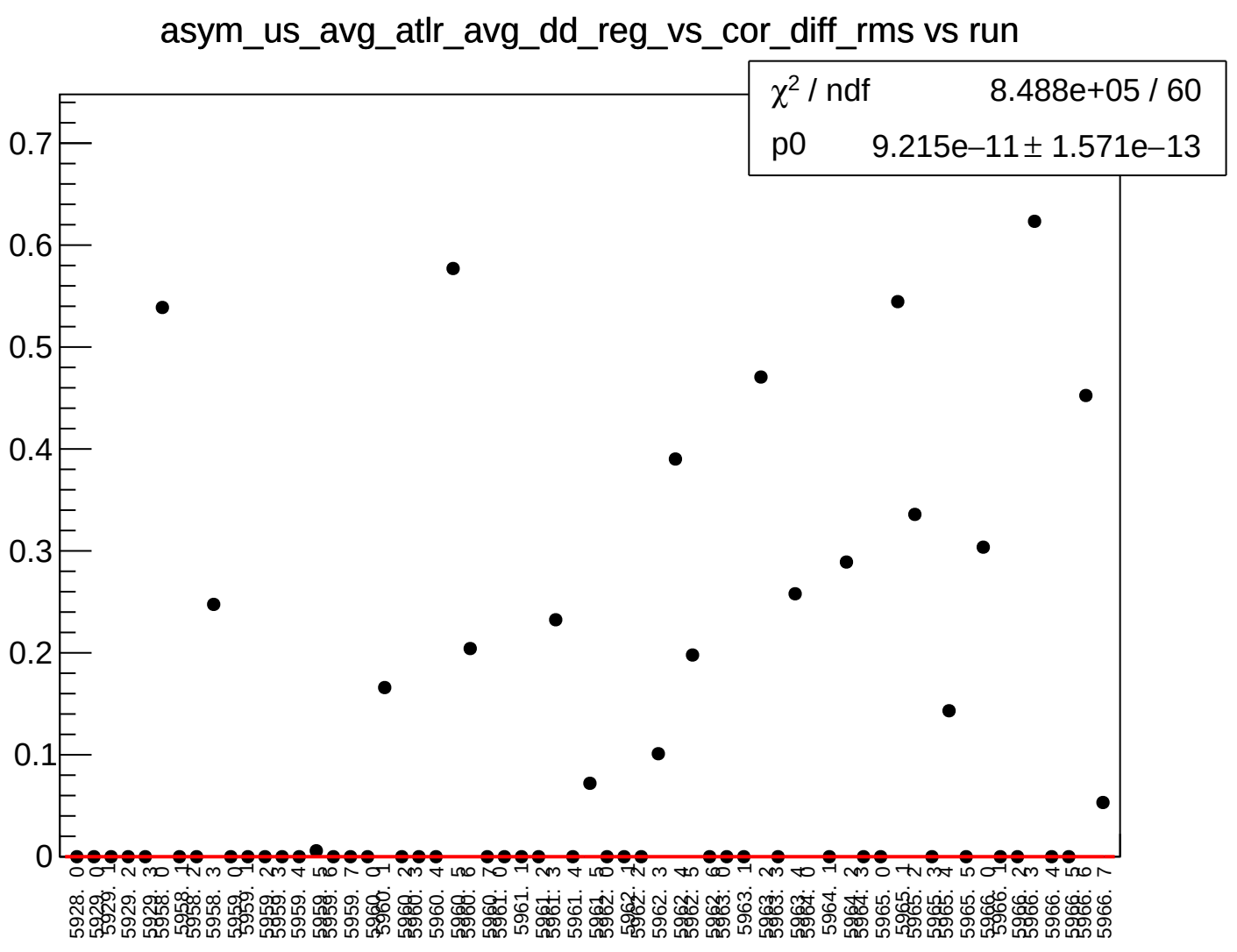

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 59.84 / 60
p0 −458.8 ± 3676
100
50
0
−50
−100
pull
Entries 61
Mean 91.18
Std Dev 0
2
1
0
−1
−2

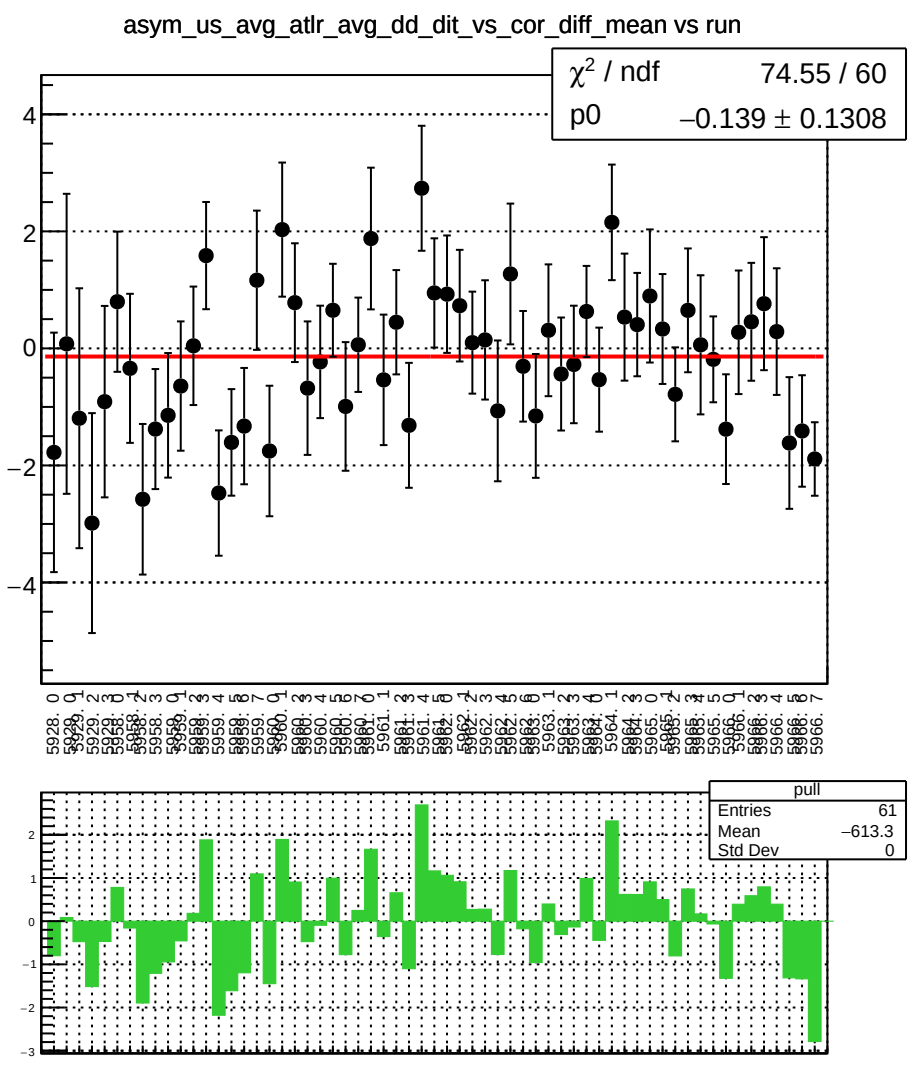

pull1D
Entries 61
Mean −0.007282
Std Dev 0.9904
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

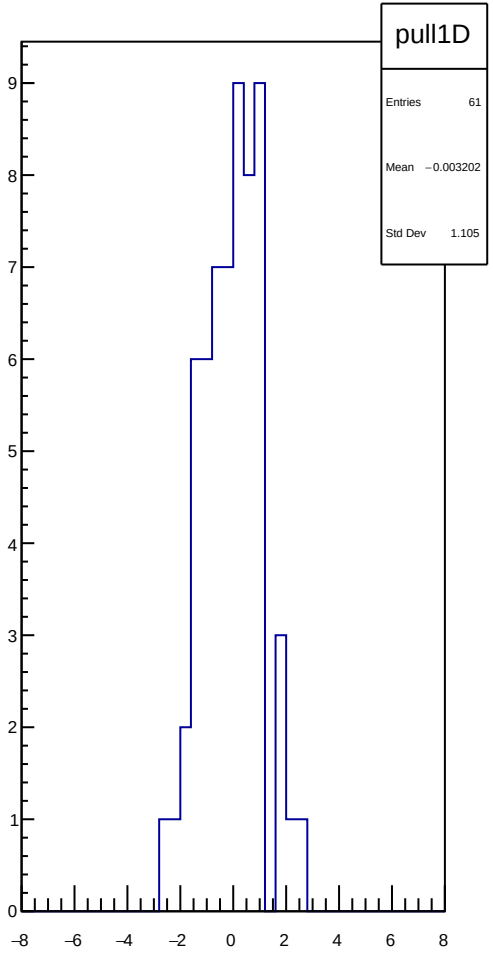

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 9579 / 60
p0 2827 ± 2.599
4000
3800
3600
3400
3200
3000
2800
2600
2400

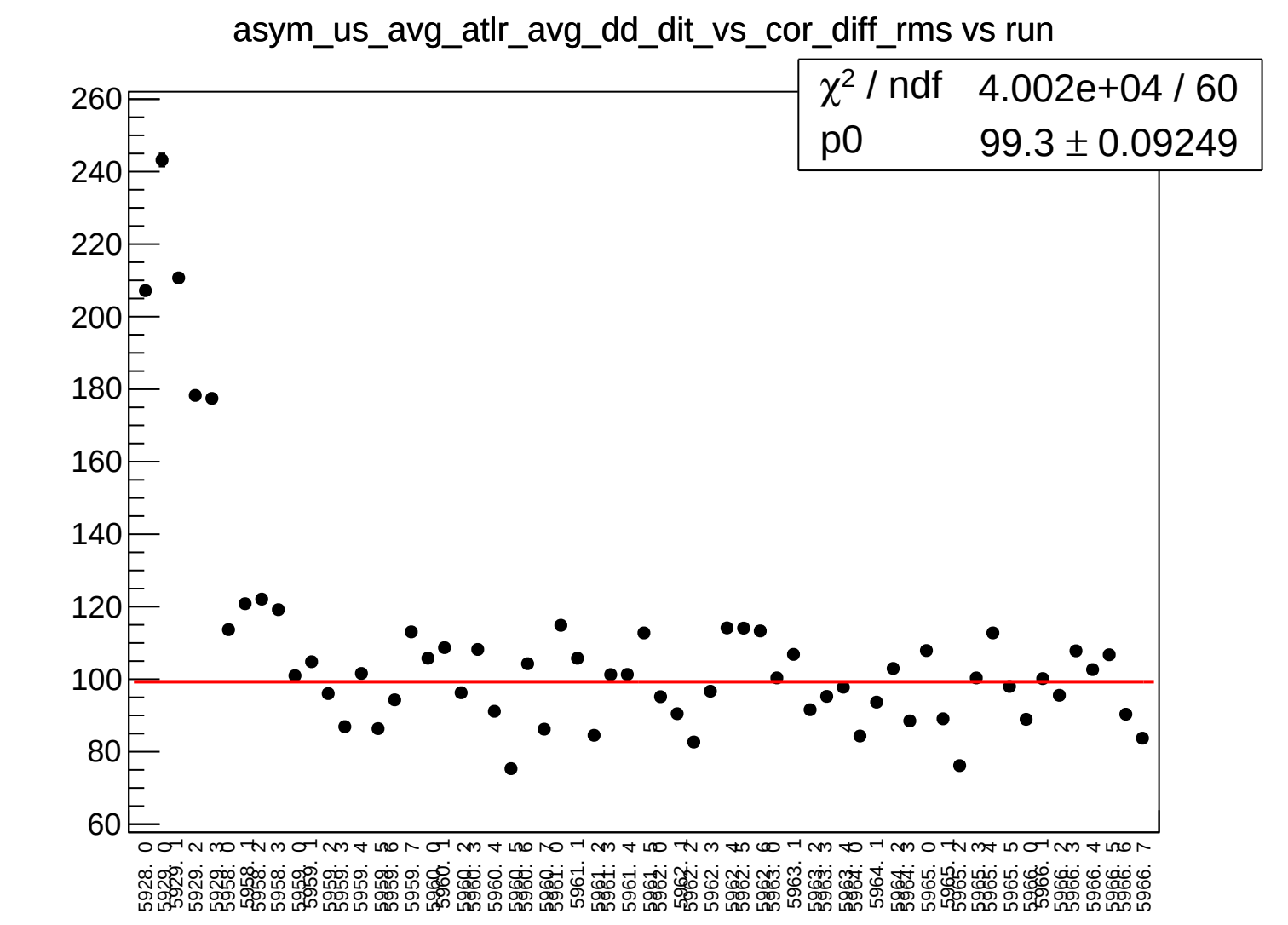

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.57 / 60
p0 −2.863e−13 ± 2.222e−13
pull
Entries 61
Mean 66.65
Std Dev 0

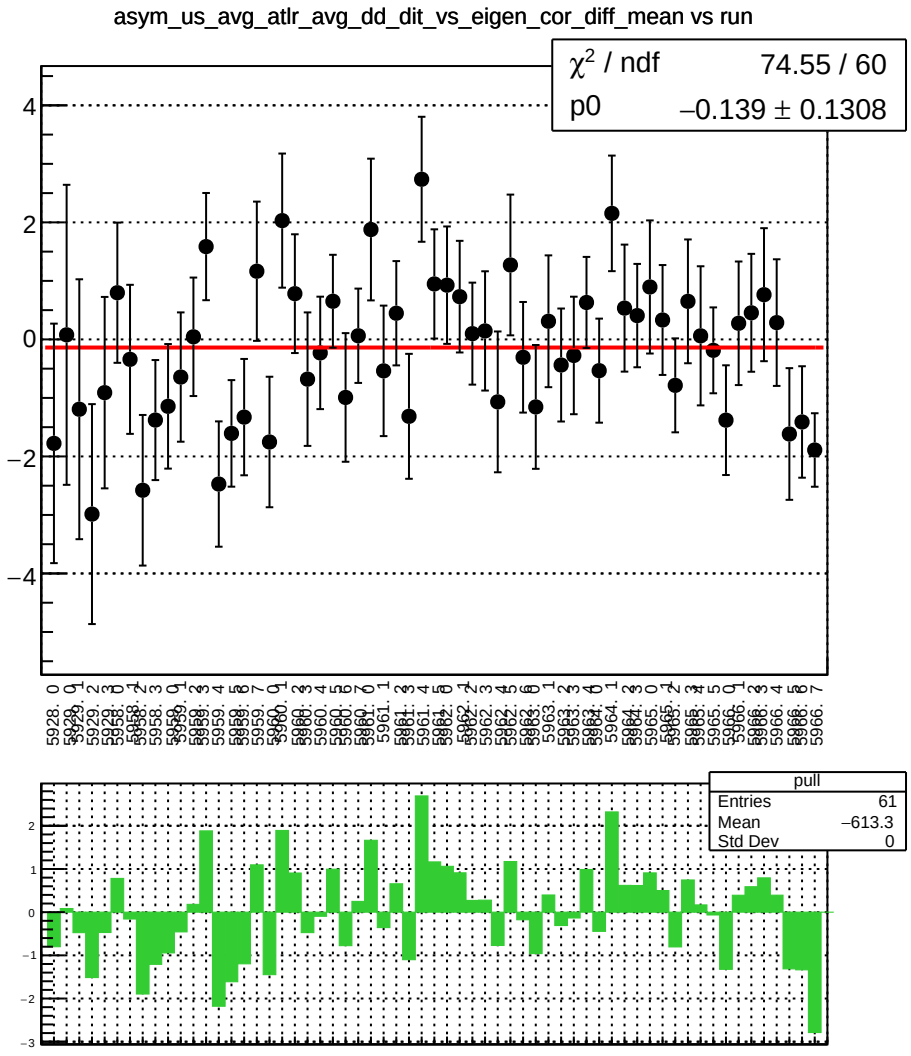

pull1D
Entries 61
Mean 0.1319
Std Dev 1.036

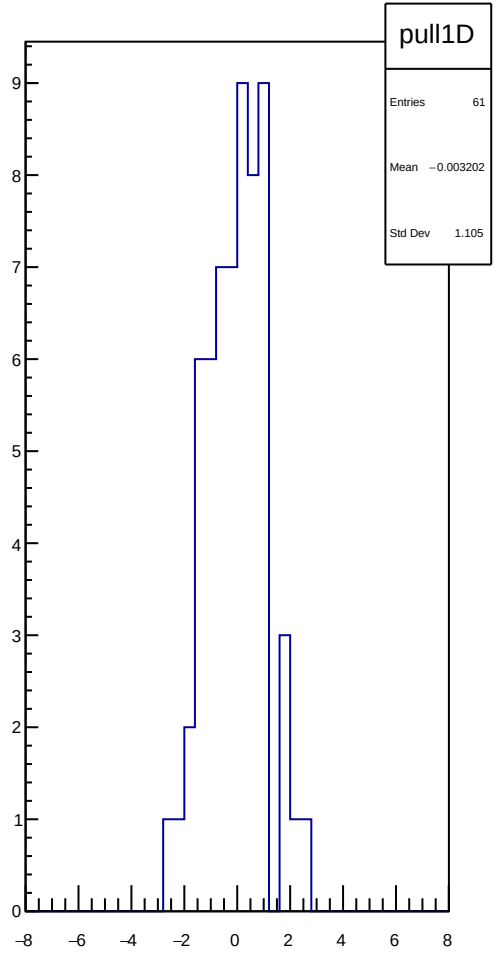

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.488e+05 / 60
p0 9.215e−11 ± 1.571e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

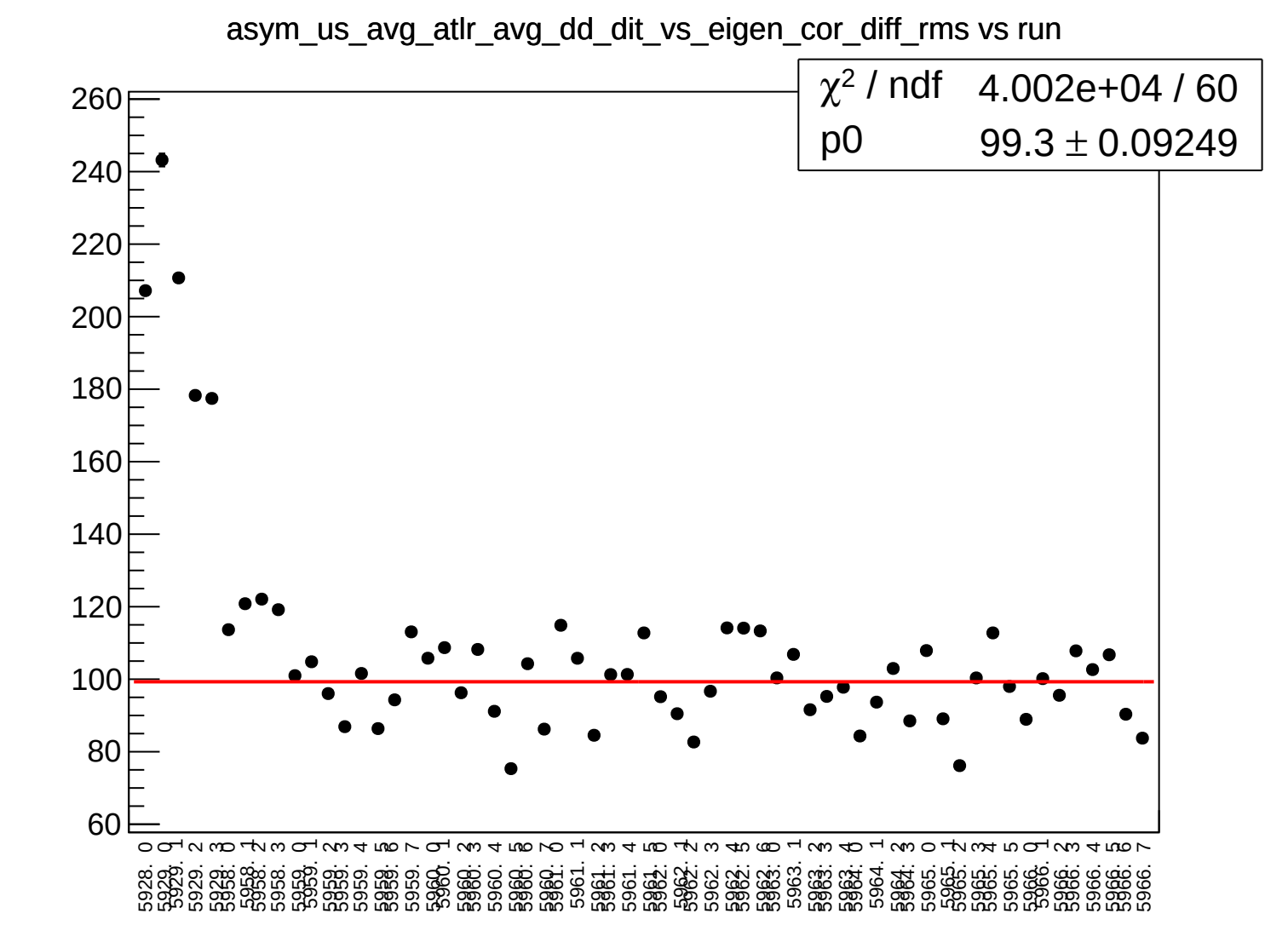

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.55 / 60
p0 −0.139 ± 0.1308
pull
Entries 61
Mean −613.3
Std Dev 0

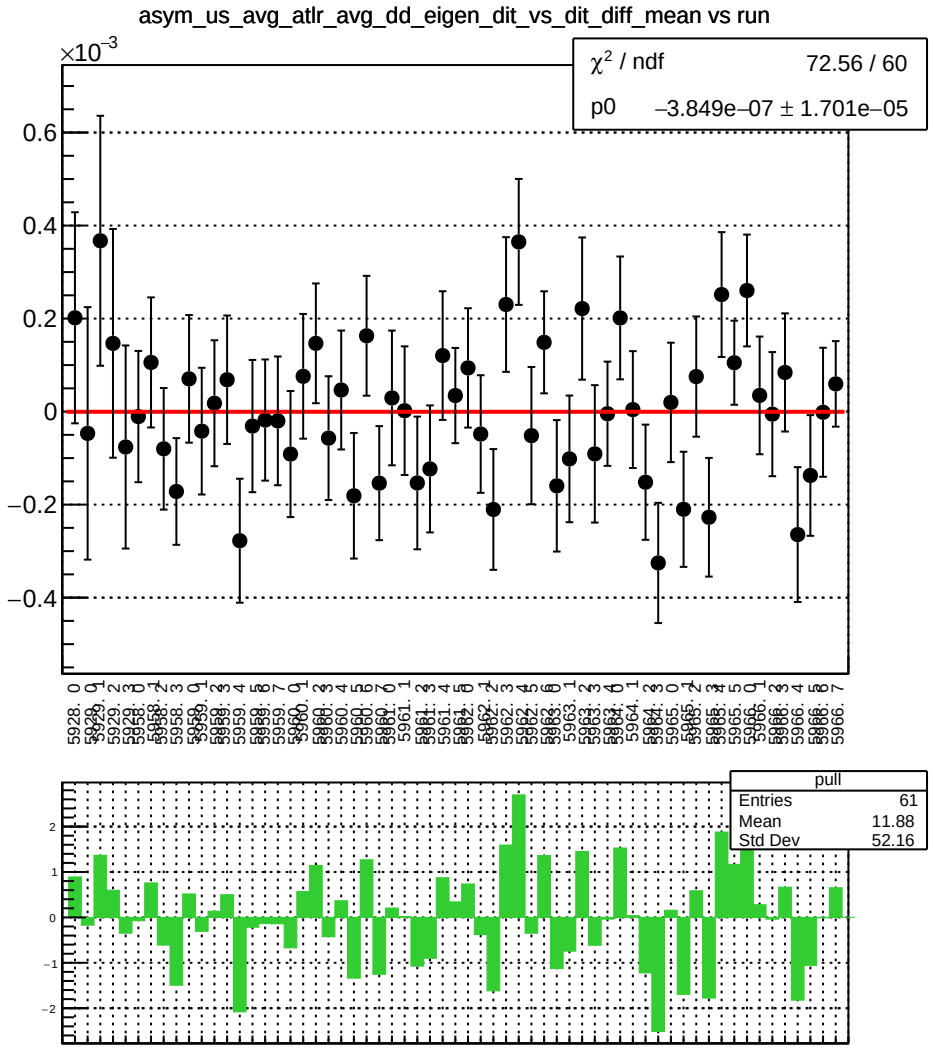

pull1D
Entries 61
Mean −0.003202
Std Dev 1.105

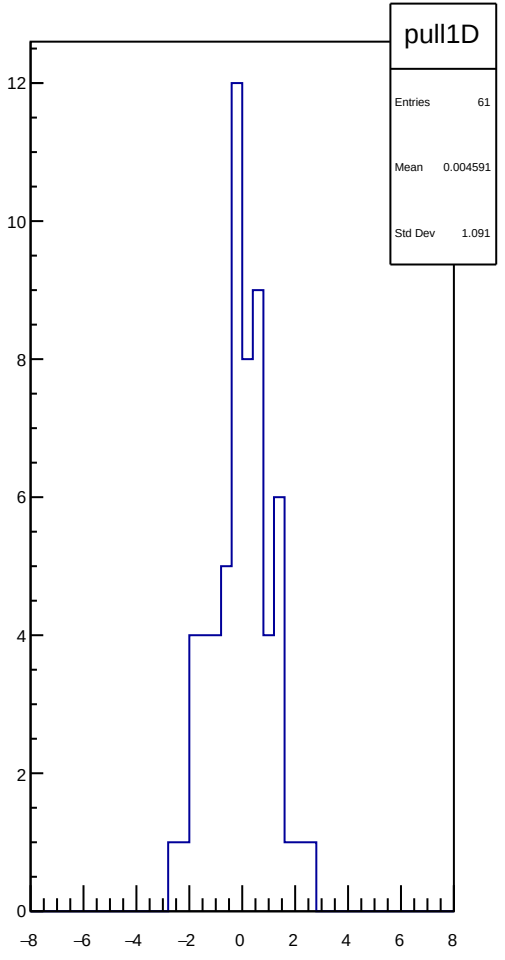

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.002e+04 / 60
p0 99.3 ± 0.09249
260
240
220
200
180
160
140
120
100
80
60

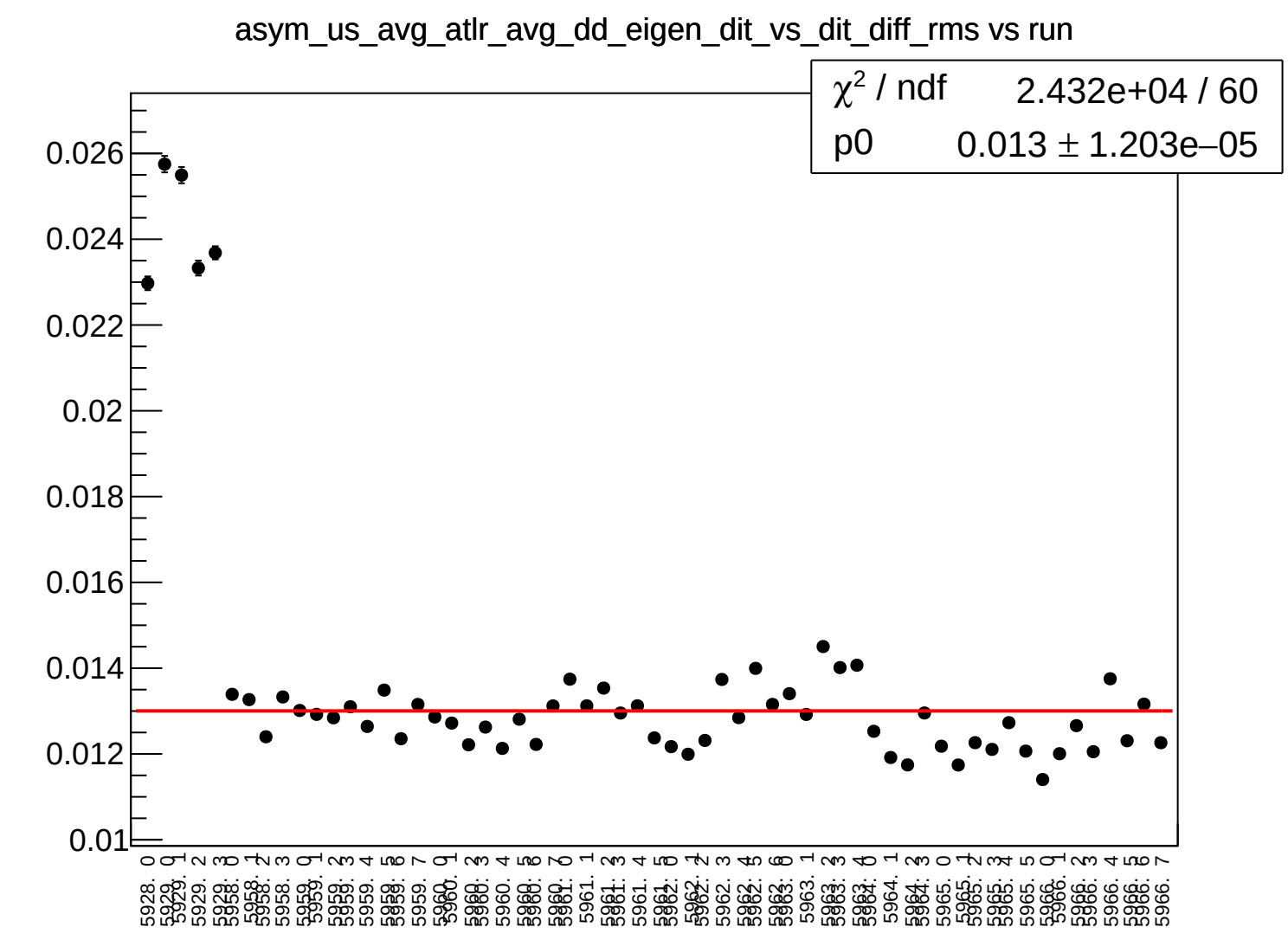

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.55 / 60
p0 −0.139 ± 0.1308
pull
Entries 61
Mean −613.3
Std Dev 0

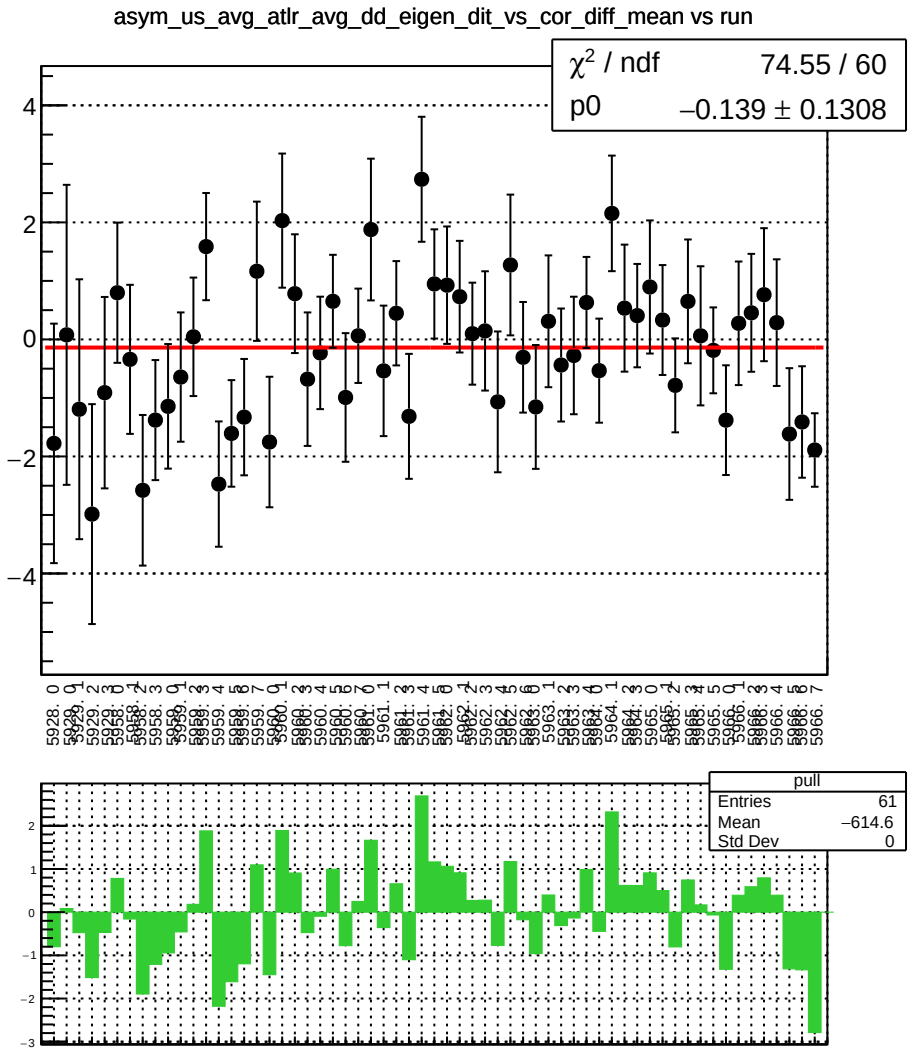

pull1D
Entries 61
Mean −0.003202
Std Dev 1.105

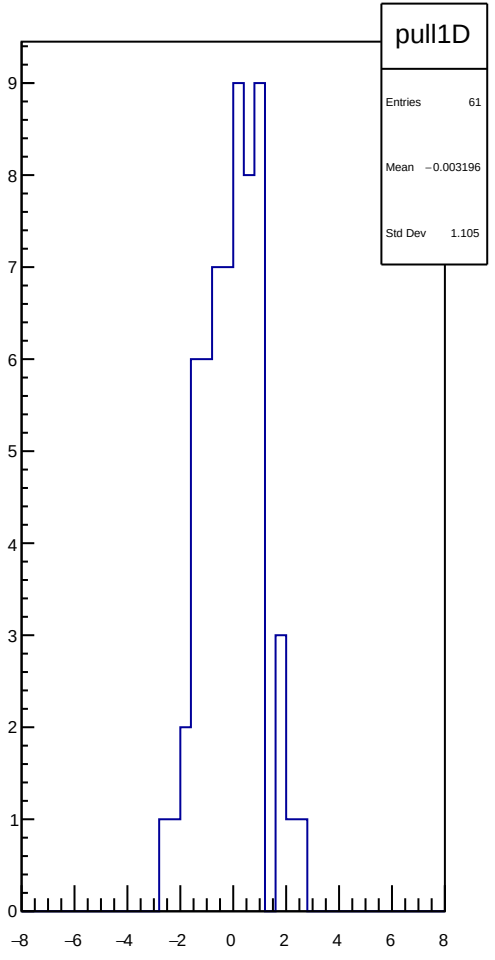

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.002e+04 / 60
p0 99.3 ± 0.09249
260
240
220
200
180
160
140
120
100
80
60

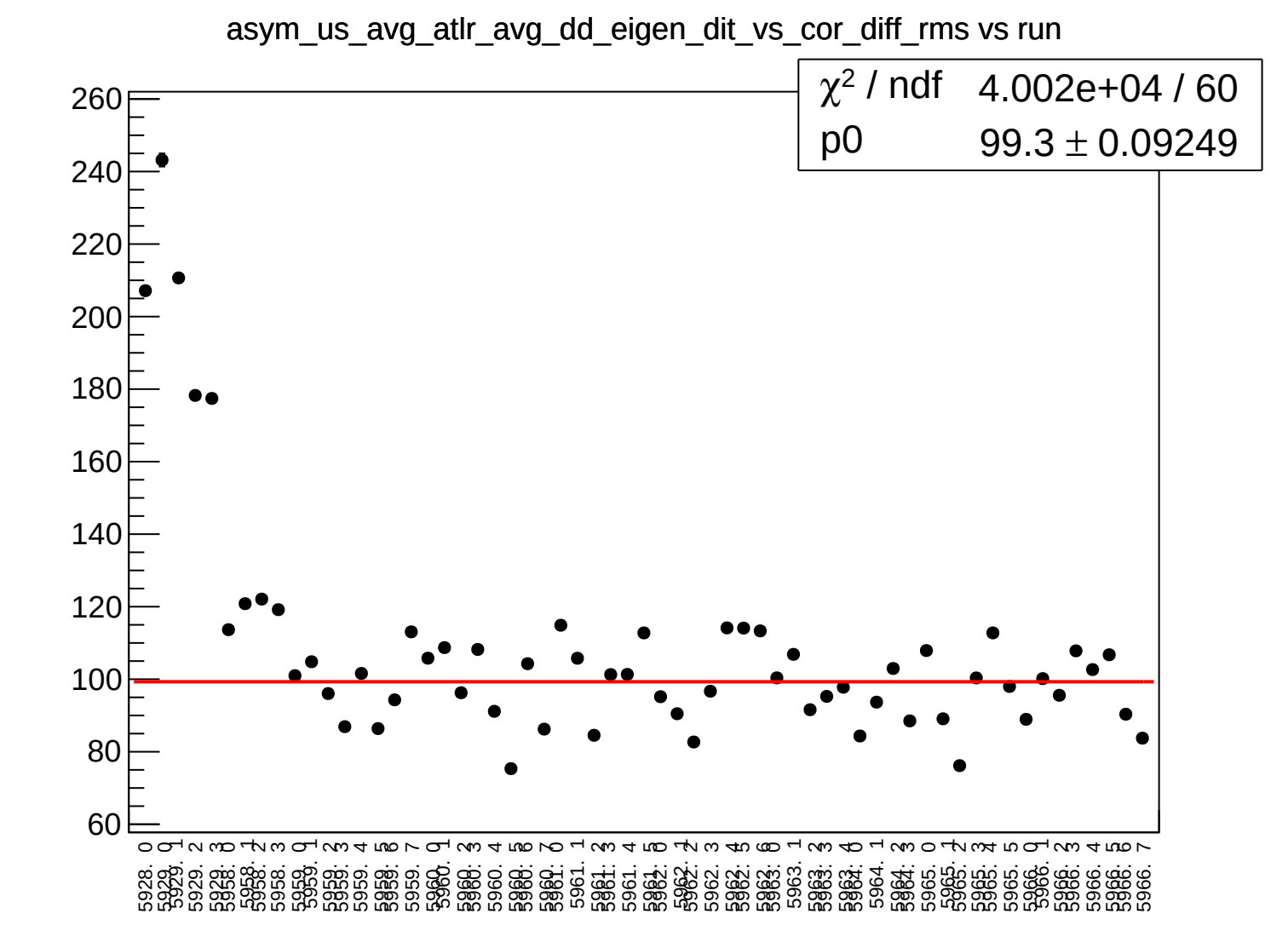

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 72.56 / 60
p0 −3.849e−07 ± 1.701e−05
pull
Entries 61
Mean 11.88
Std Dev 52.16

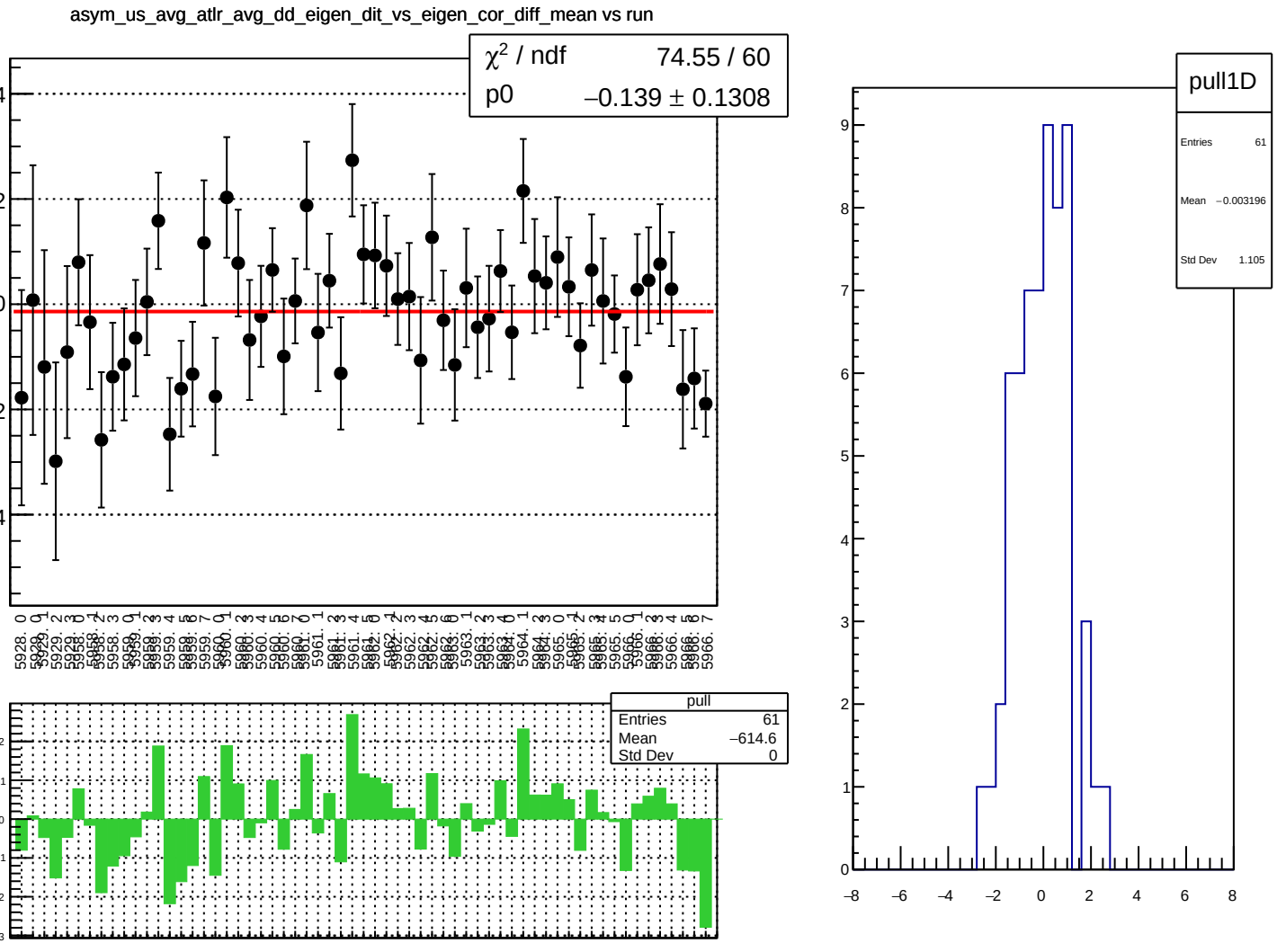

pull1D
Entries 61
Mean 0.004591
Std Dev 1.091

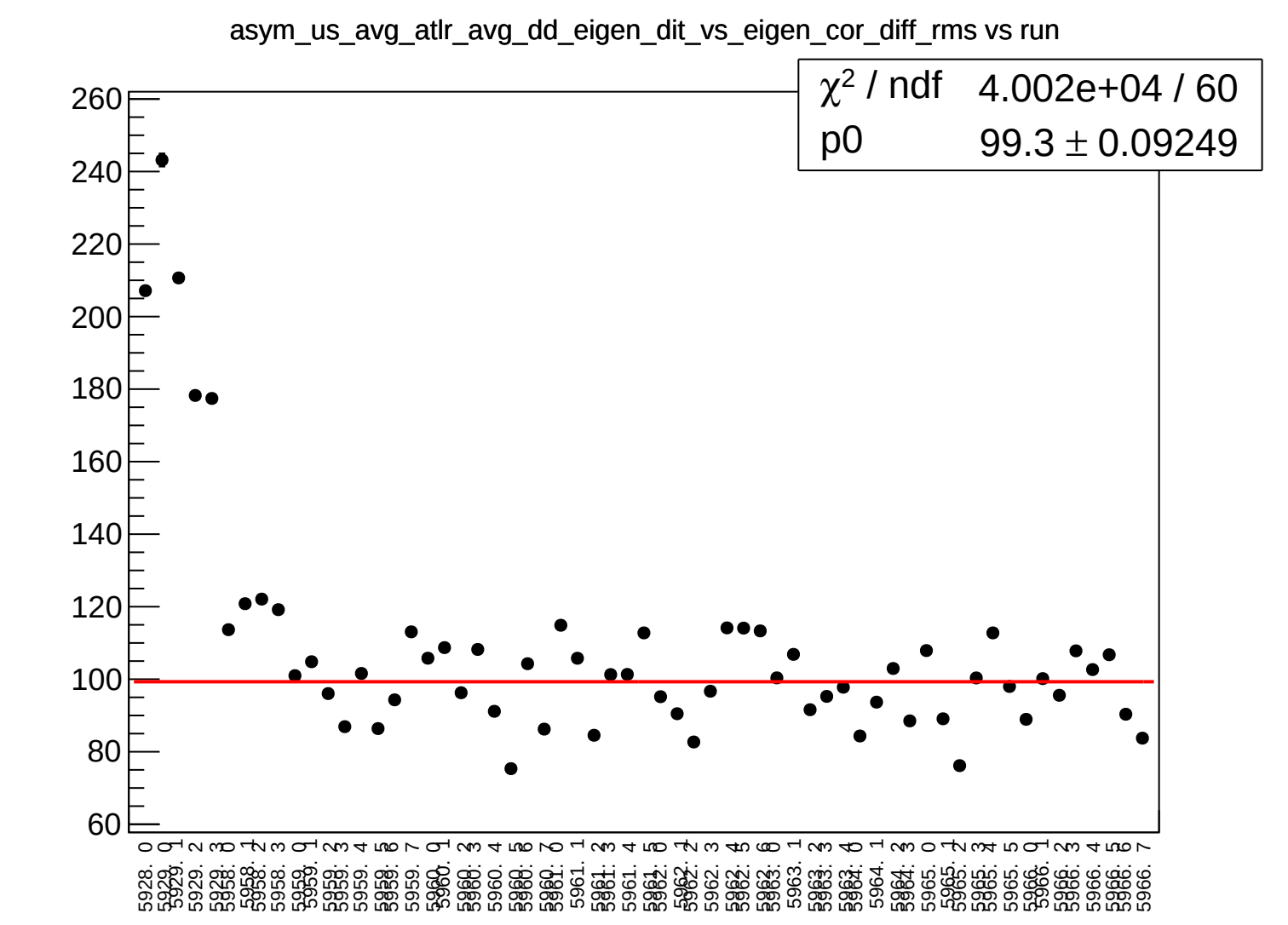

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.432e+04 / 60
p0 0.013 ± 1.203e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

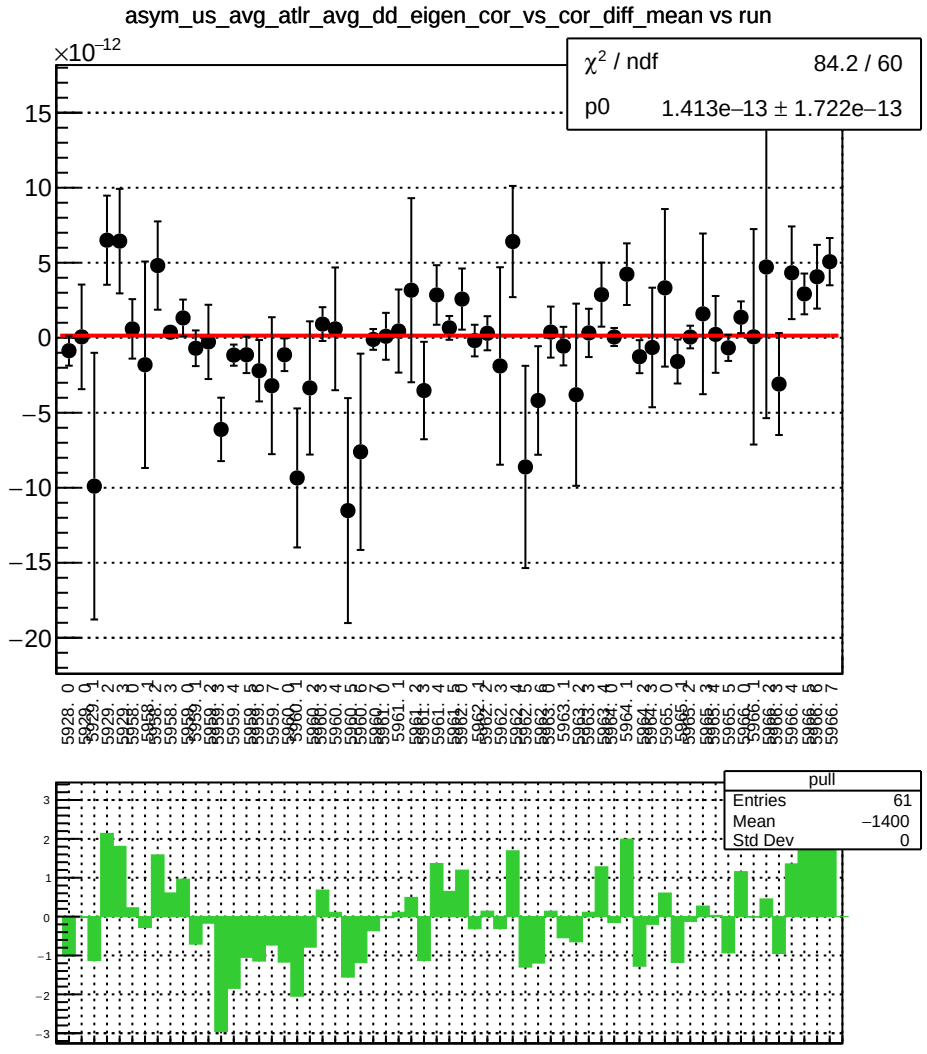

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.55 / 60
p0 −0.139 ± 0.1308
pull
Entries 61
Mean −614.6
Std Dev 0

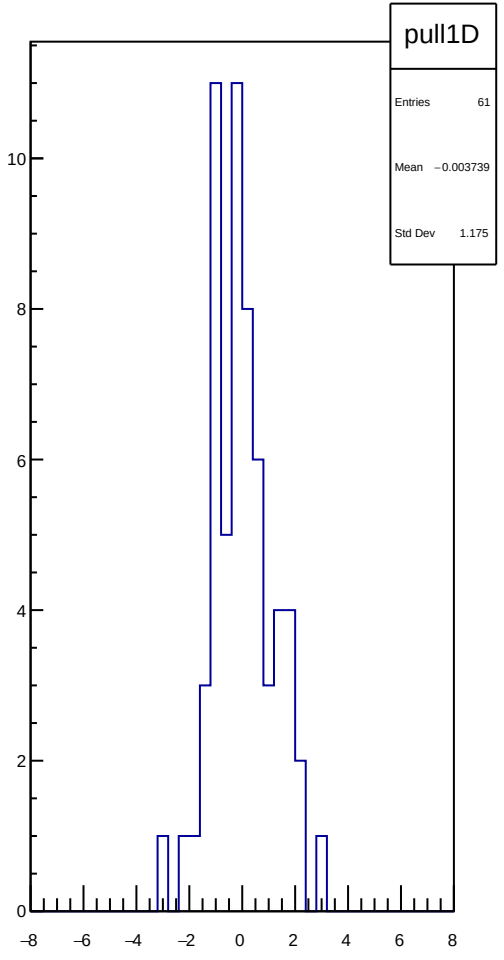

pull1D
Entries 61
Mean −0.003196
Std Dev 1.105

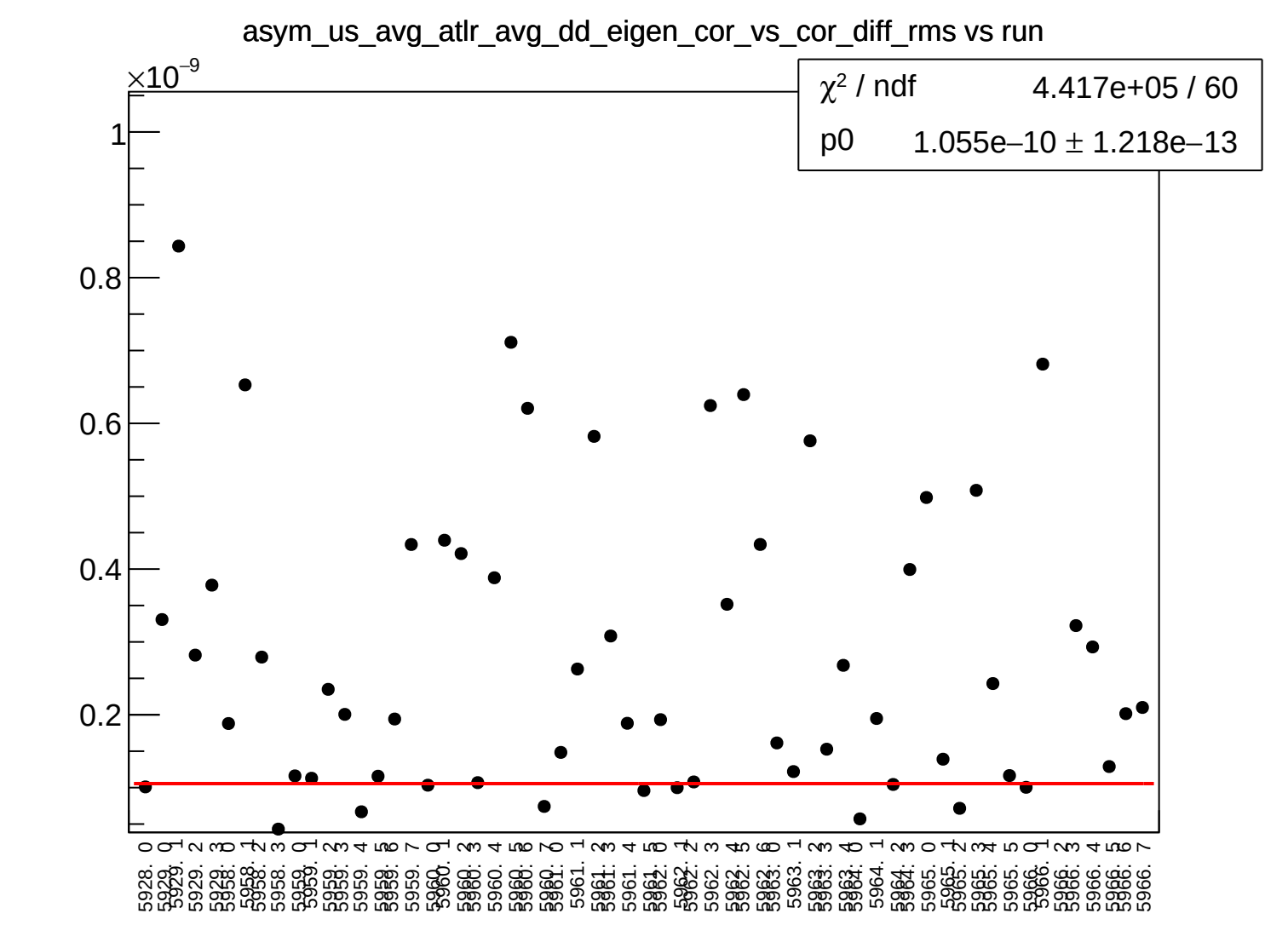

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.002e+04 / 60
p0 99.3 ± 0.09249
260
240
220
200
180
160
140
120
100
80
60

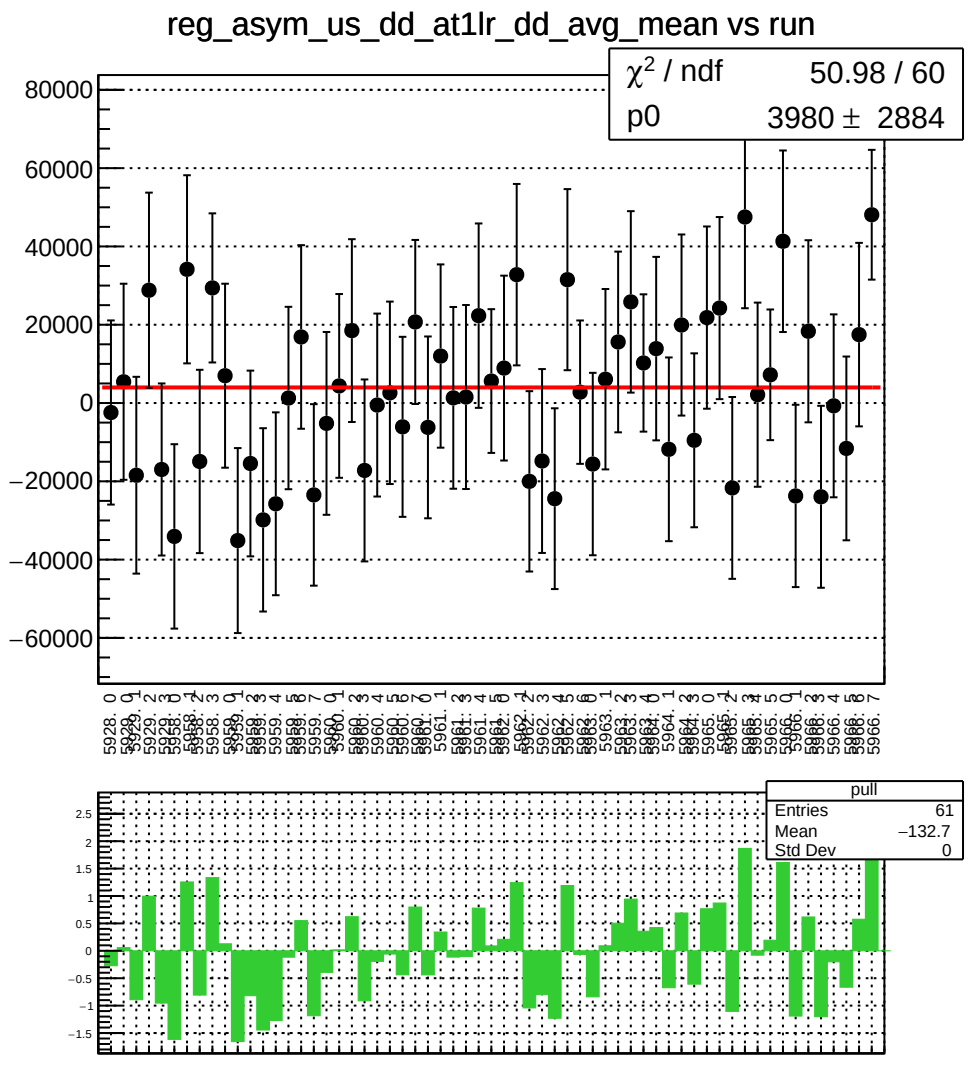

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.55 / 60
p0 −0.139 ± 0.1308
pull
Entries 61
Mean −614.6
Std Dev 0
pull1D
Entries 61
Mean −0.003196
Std Dev 1.105

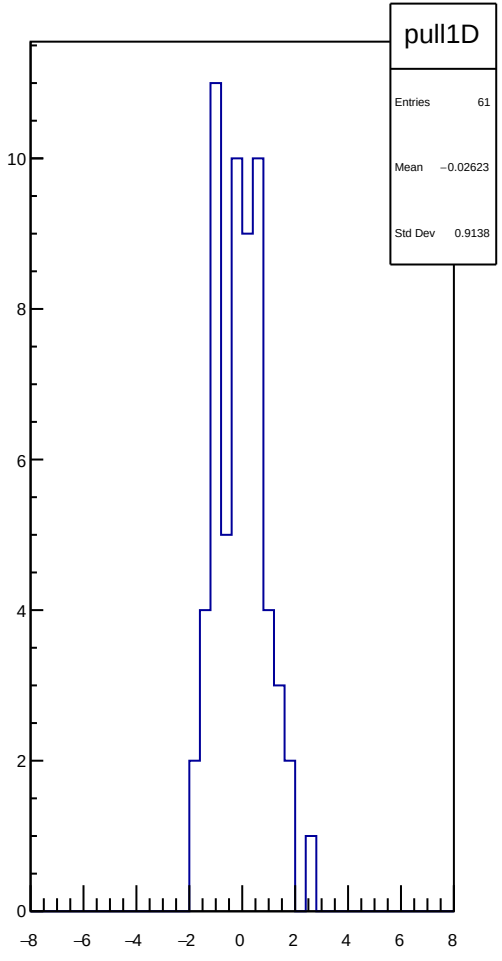

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.002e+04 / 60
p0 99.3 ± 0.09249
260
240
220
200
180
160
140
120
100
80
60

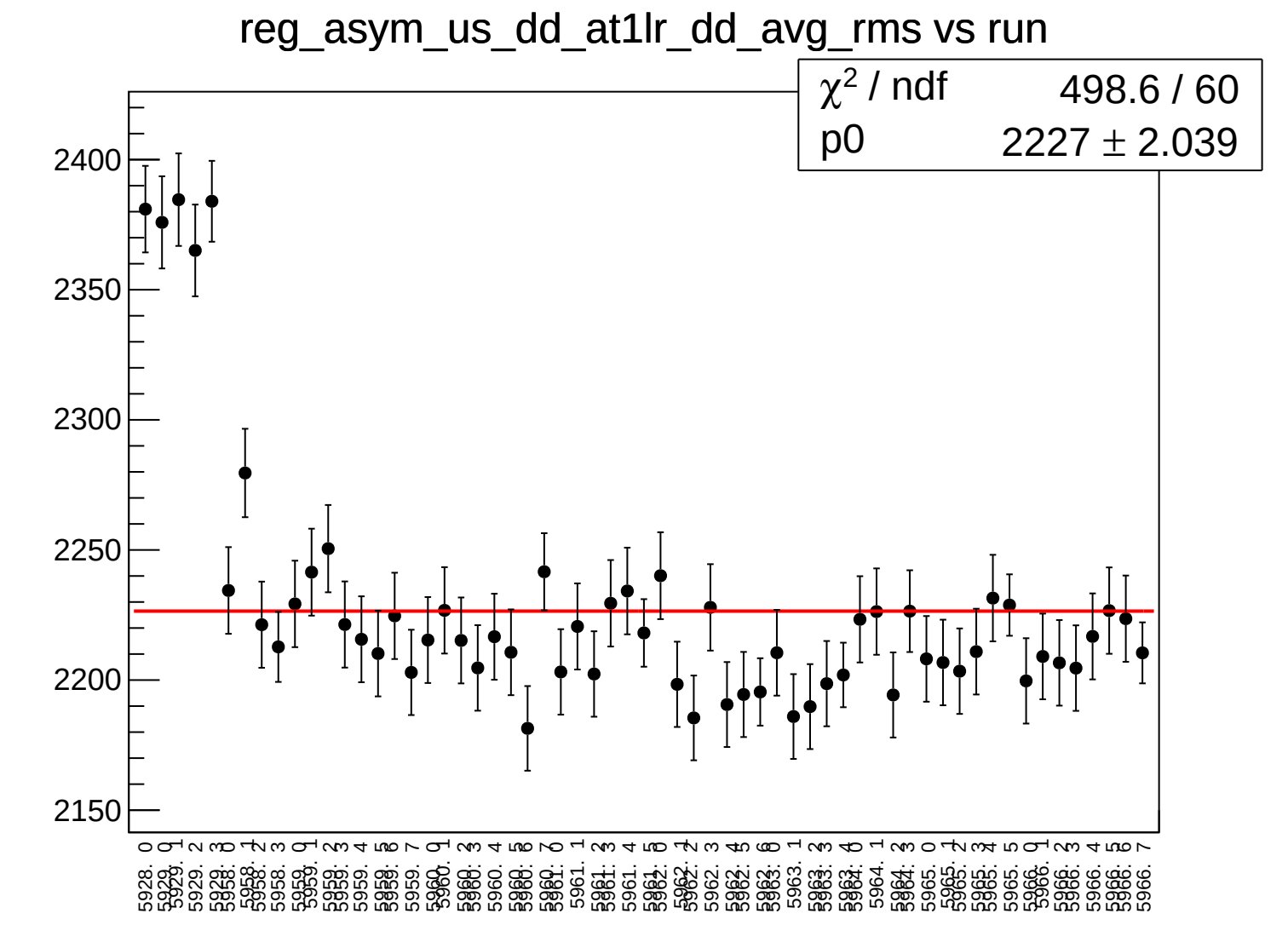

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.2 / 60
p0 1.413e−13 ± 1.722e−13
pull
Entries 61
Mean −1400
Std Dev 0

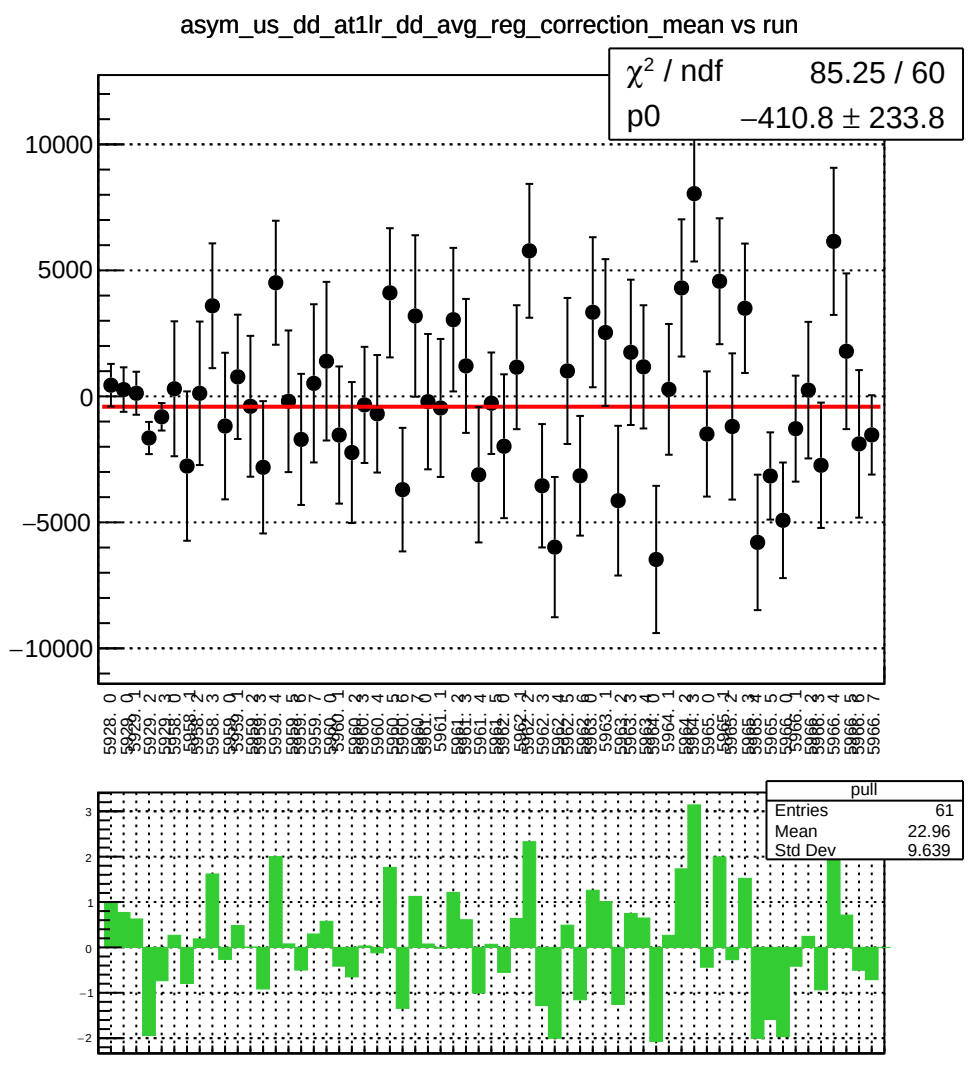

pull1D
Entries 61
Mean −0.003739
Std Dev 1.175

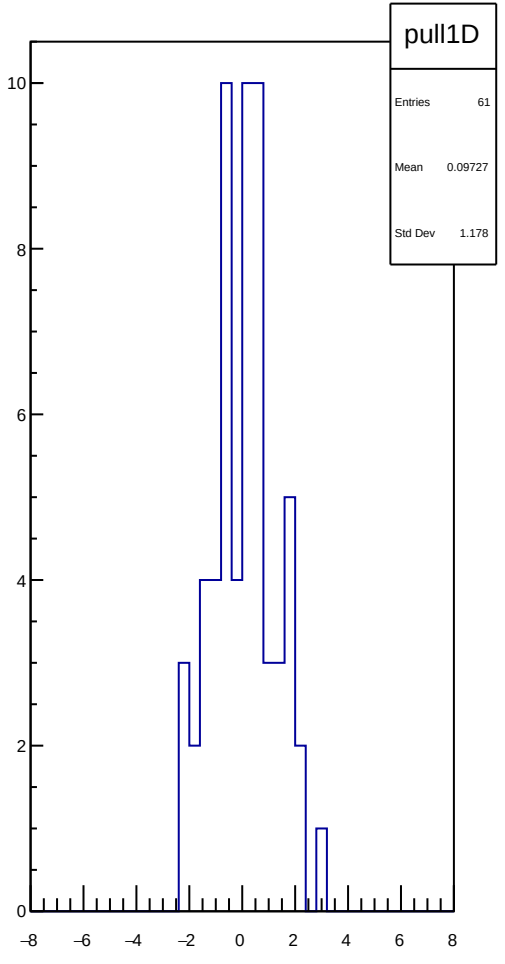

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.417e+05 / 60
p0 1.055e−10 ± 1.218e−13
1
0.8
0.6
0.4
0.2

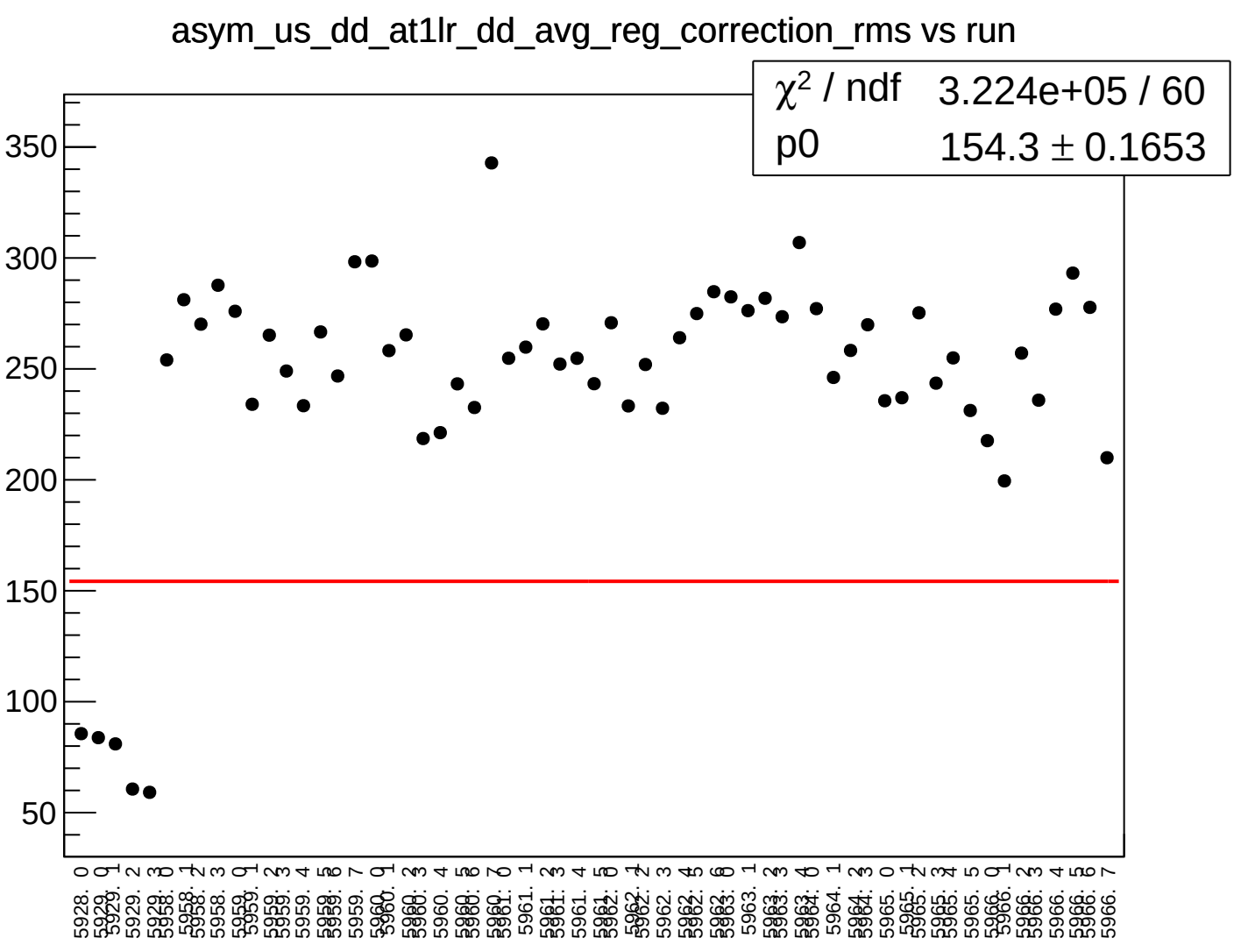

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 50.98 / 60
p0 3980 ± 2884
pull
Entries 61
Mean −132.7
Std Dev 0

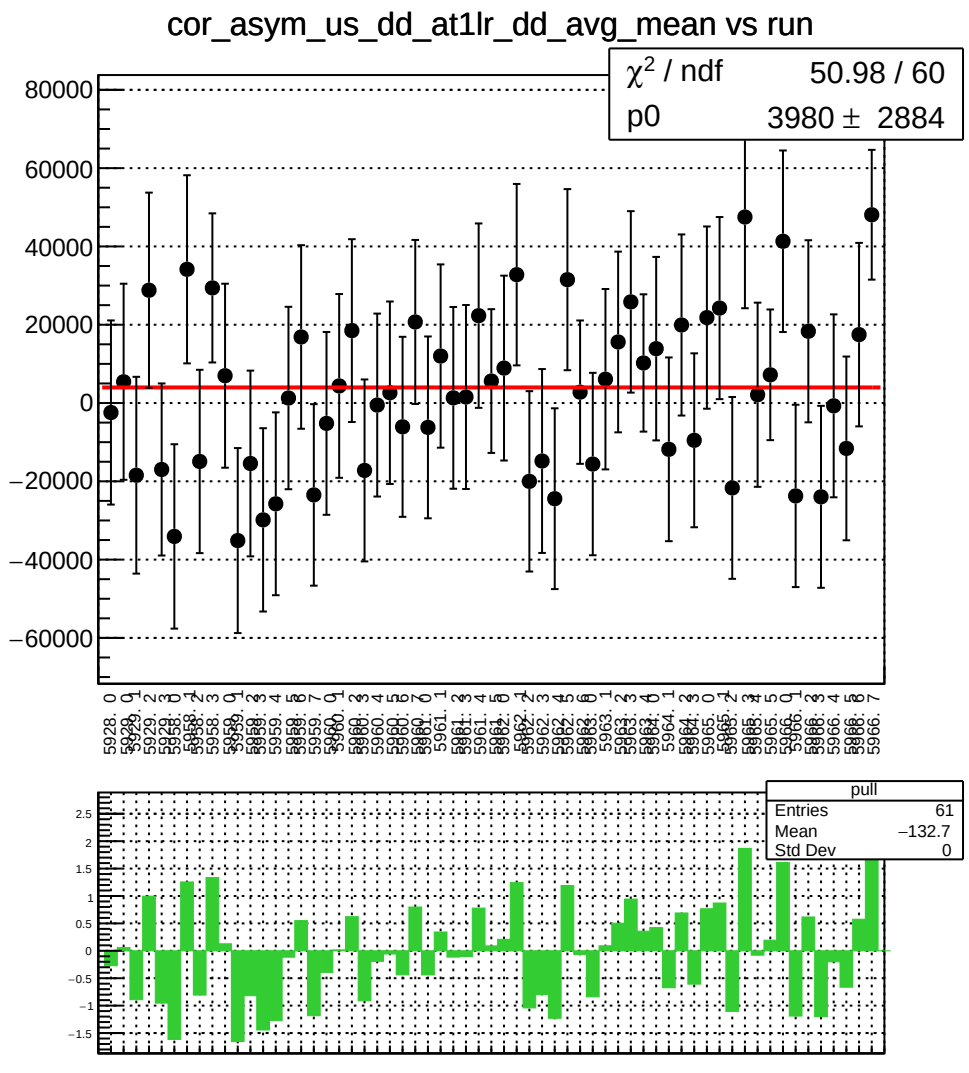

pull1D
Entries 61
Mean −0.02623
Std Dev 0.9138

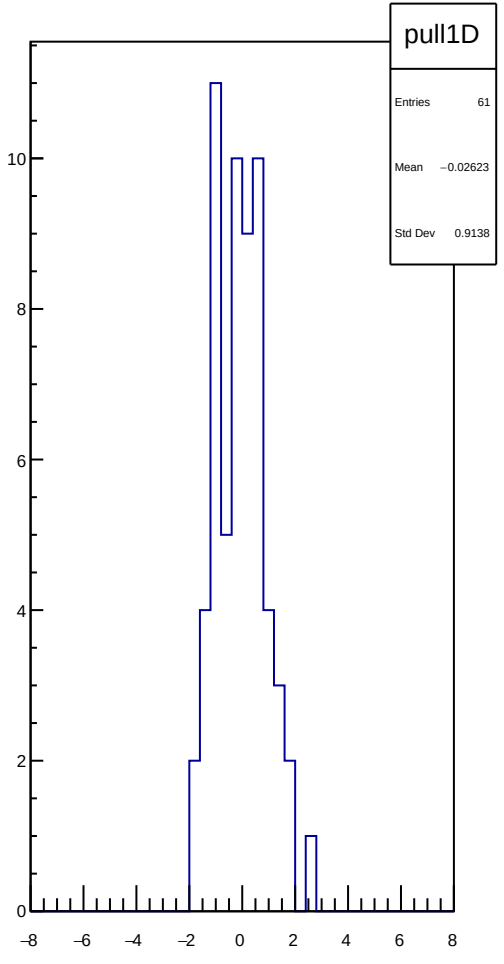

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 498.6 / 60
p0 2227 ± 2.039
2400
2350
2300
2250
2200
2150

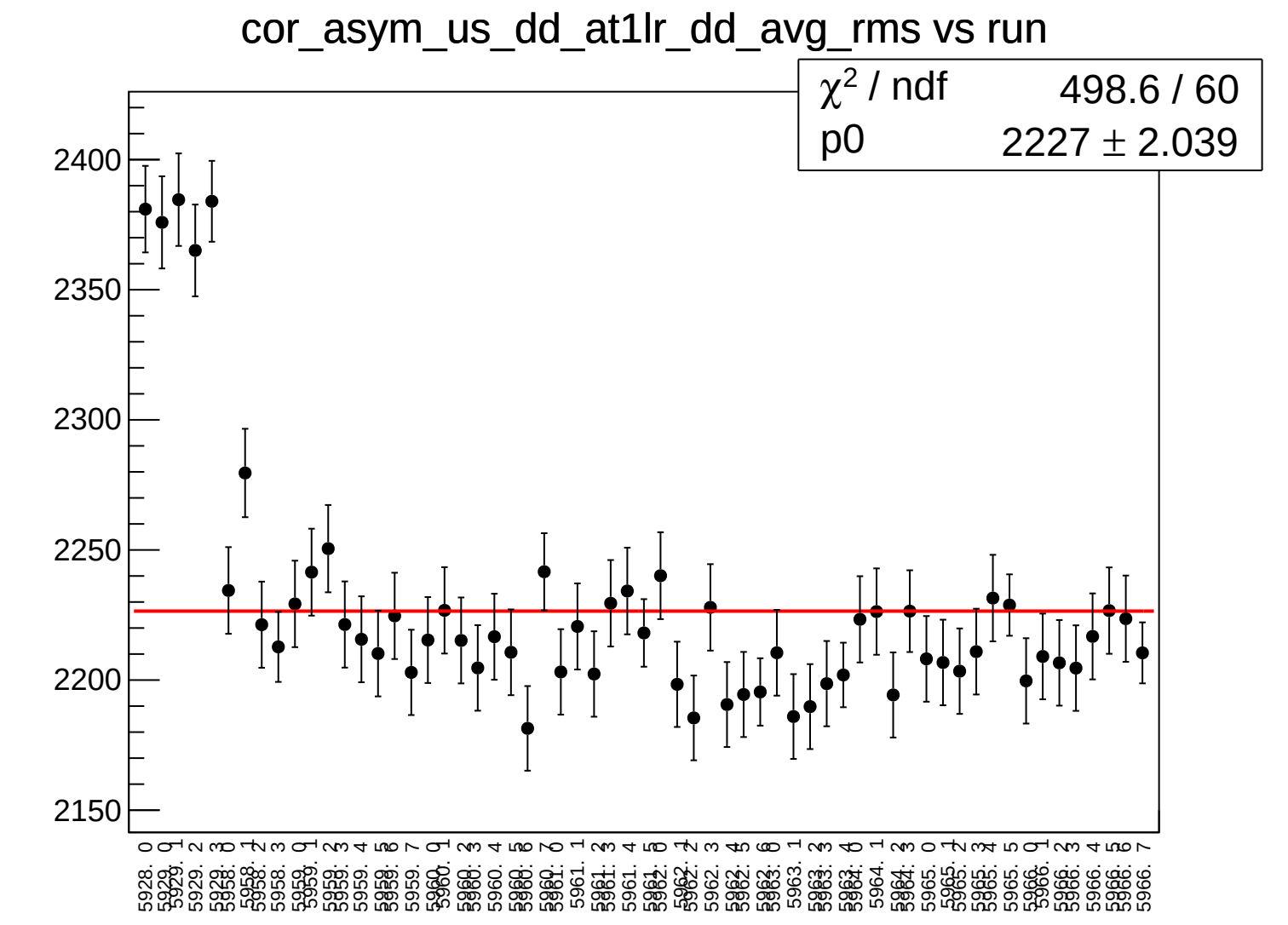

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 85.25 / 60
p0 −410.8 ± 233.8
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 22.96
Std Dev 9.639
3
2
1
0
−1
−2

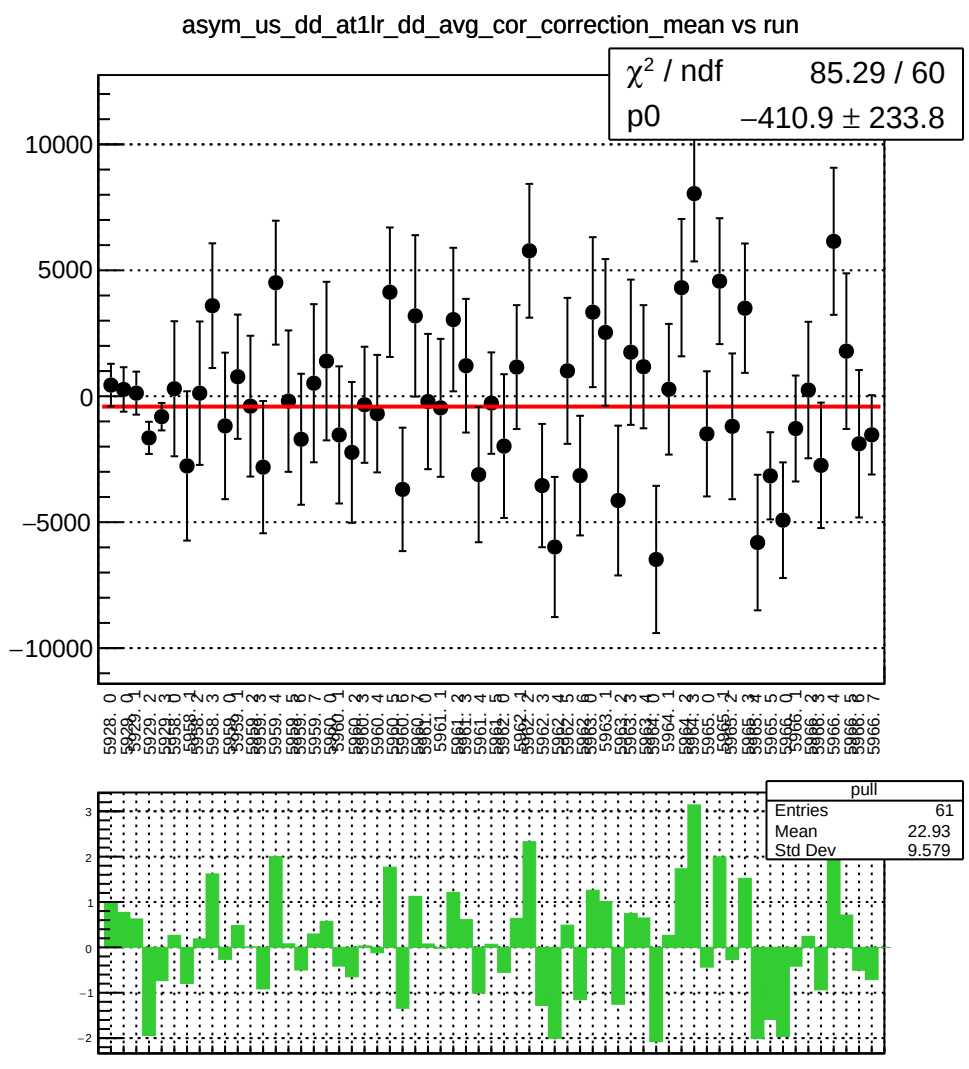

pull1D
Entries 61
Mean 0.09727
Std Dev 1.178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

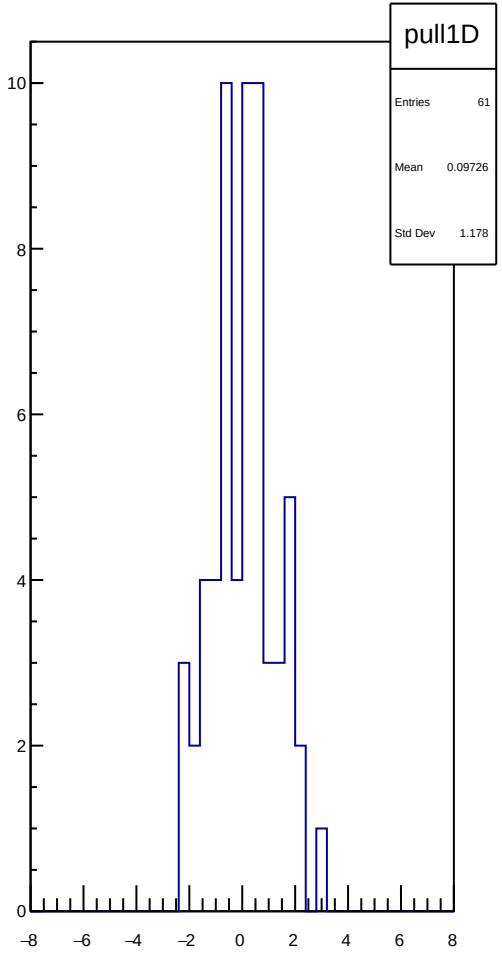

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3.224e+05 / 60
p0 154.3 ± 0.1653
350
300
250
200
150
100
50

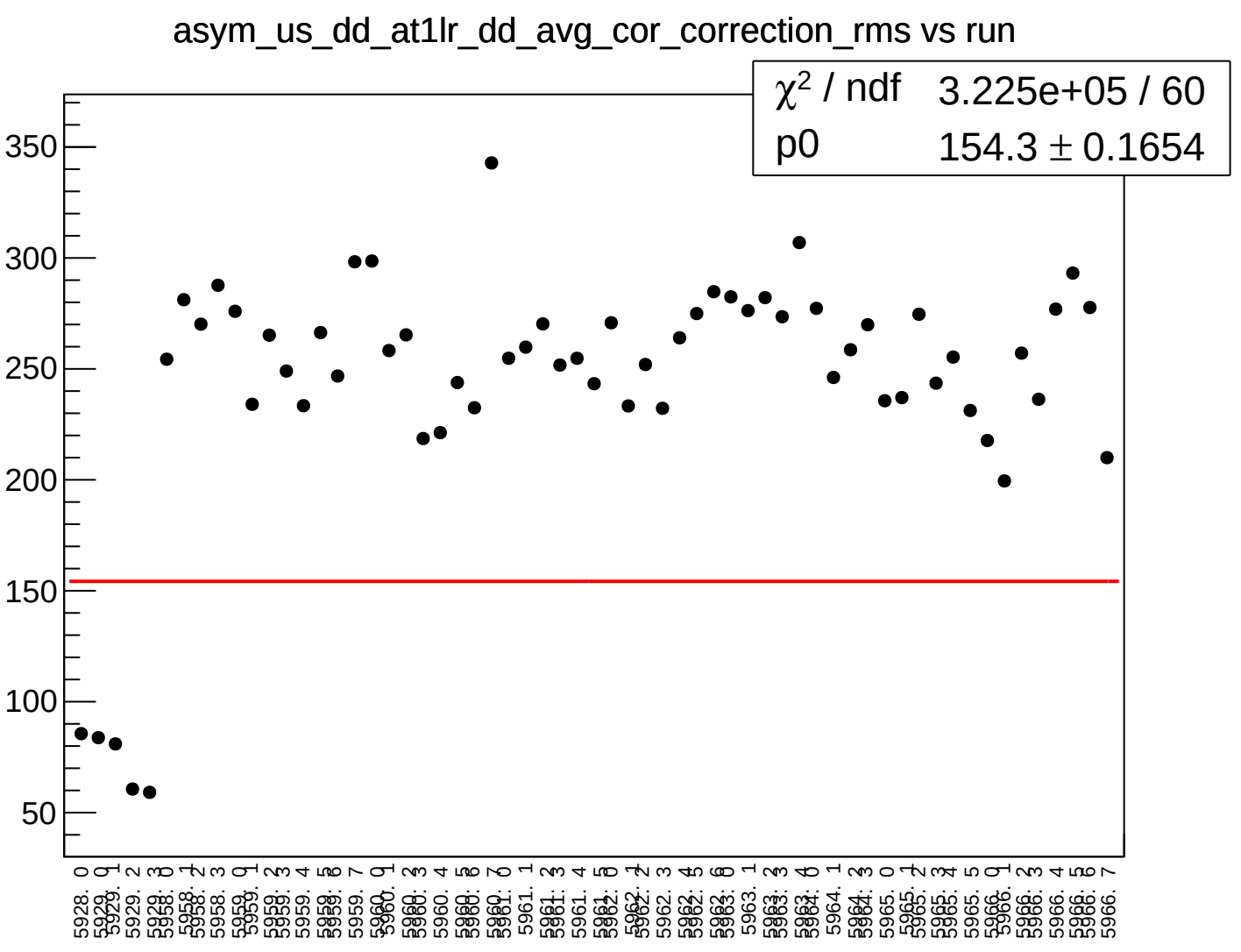

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 50.98 / 60
p0 3980 ± 2884
pull
Entries 61
Mean −132.7
Std Dev 0

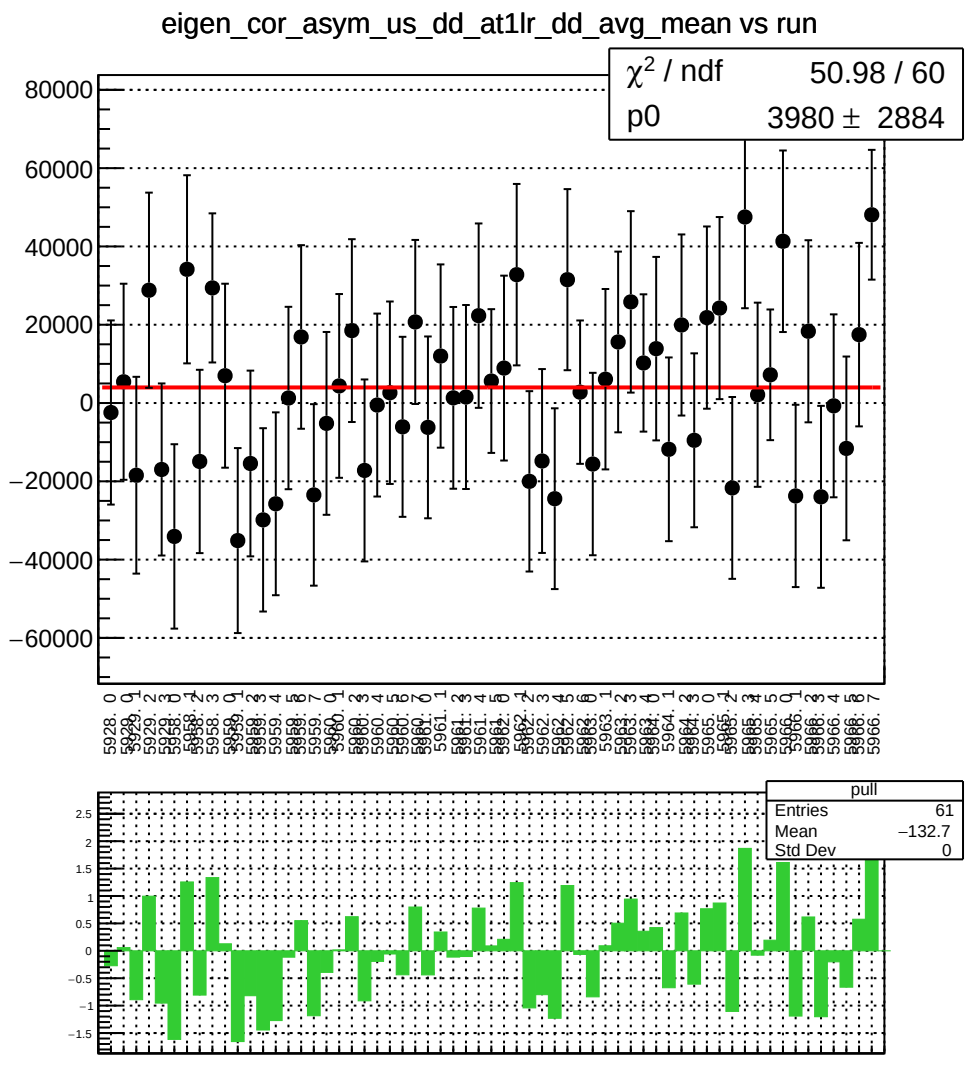

pull1D
Entries 61
Mean −0.02623
Std Dev 0.9138

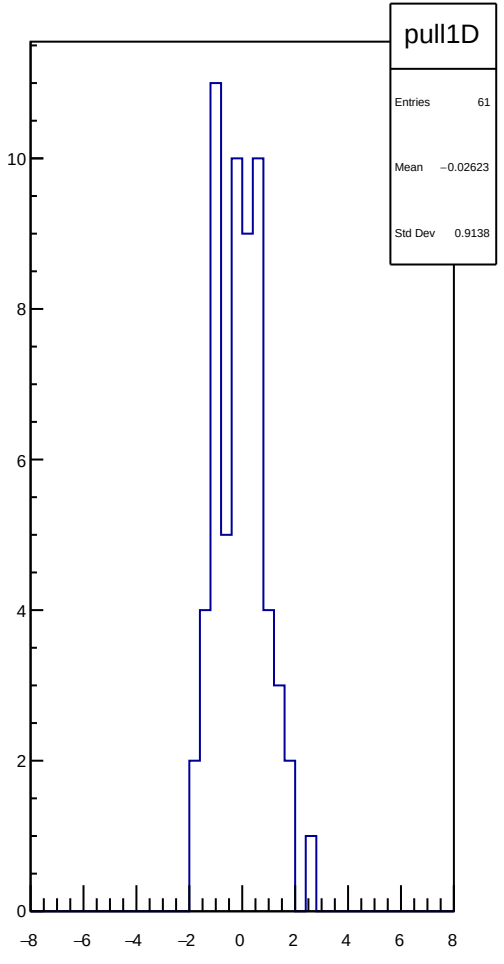

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 498.6 / 60
p0 2227 ± 2.039
2400
2350
2300
2250
2200
2150

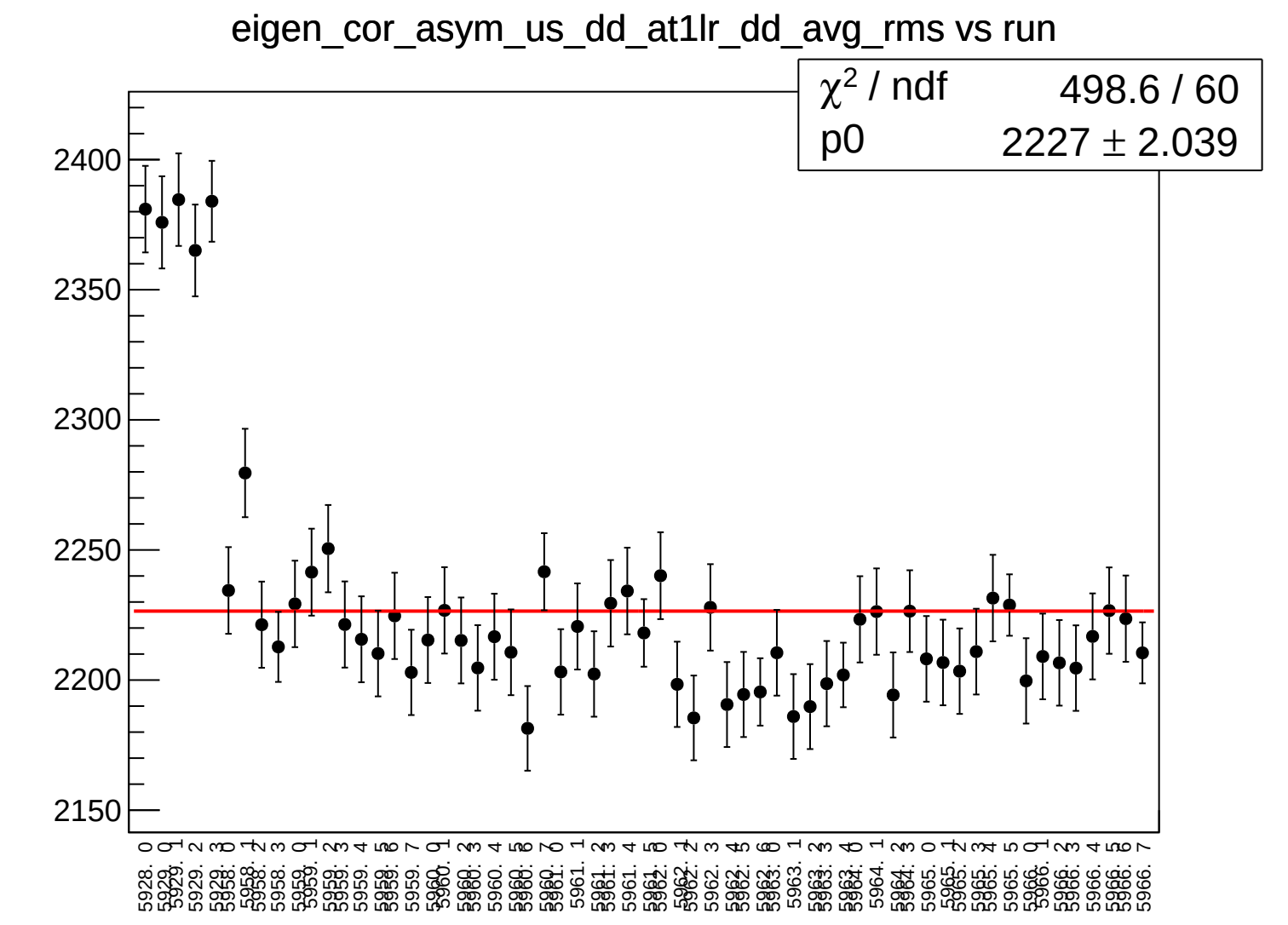

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 85.29 / 60
p0 −410.9 ± 233.8
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 22.93
Std Dev 9.579
3
2
1
0
−1
−2

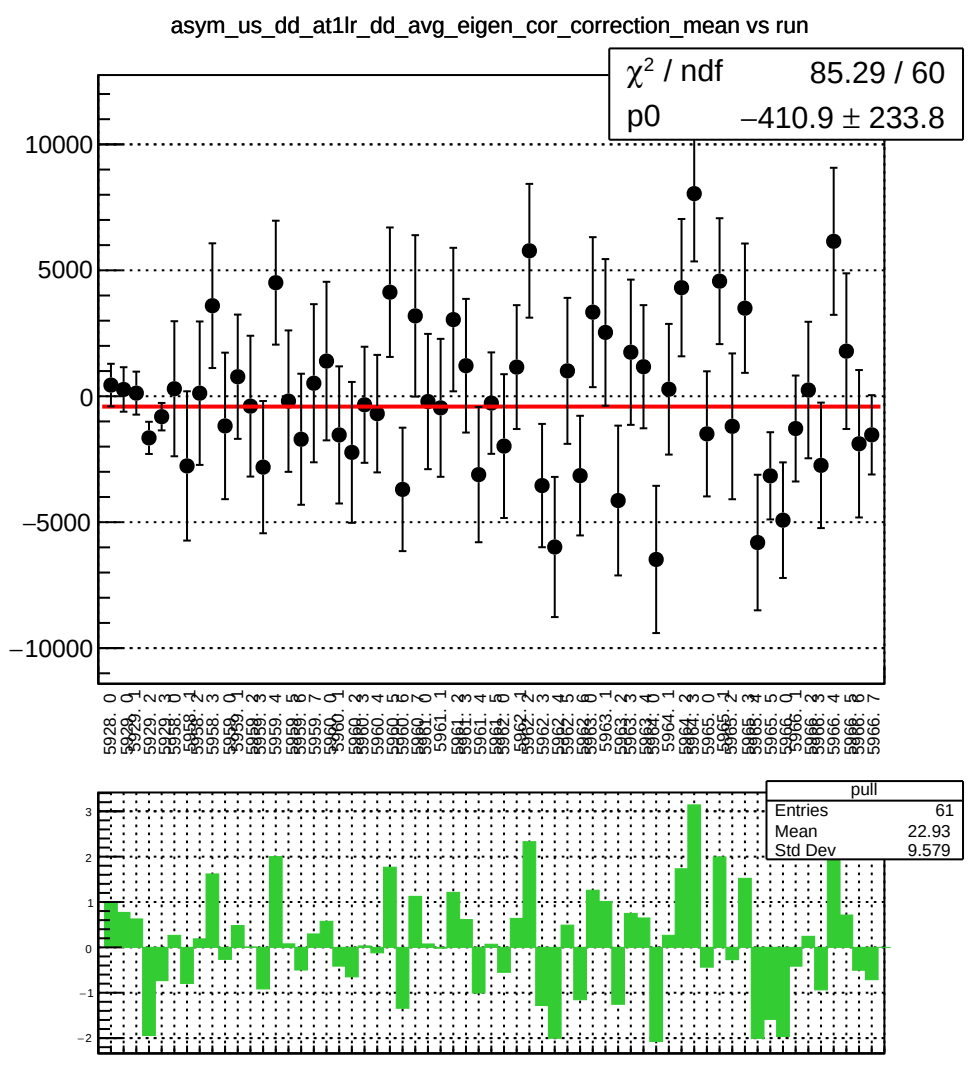

pull1D
Entries 61
Mean 0.09726
Std Dev 1.178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

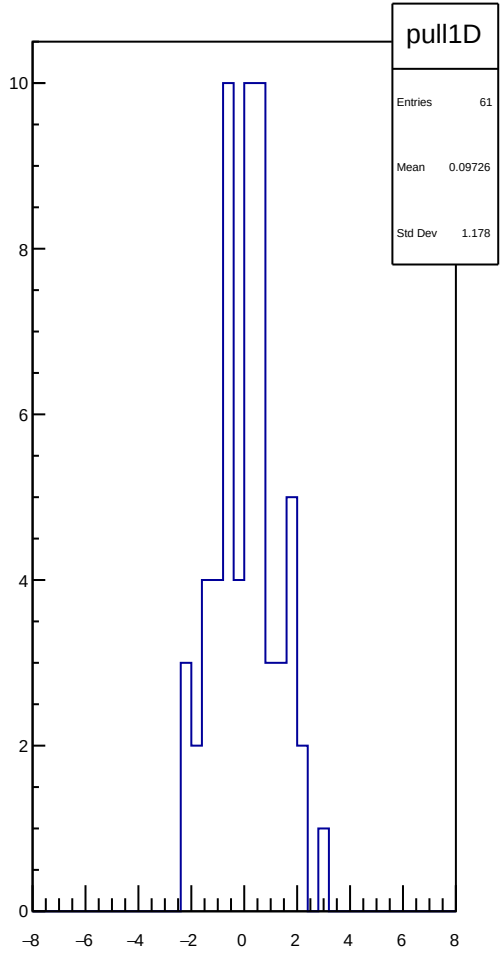

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3.225e+05 / 60
p0 154.3 ± 0.1654
350
300
250
200
150
100
50

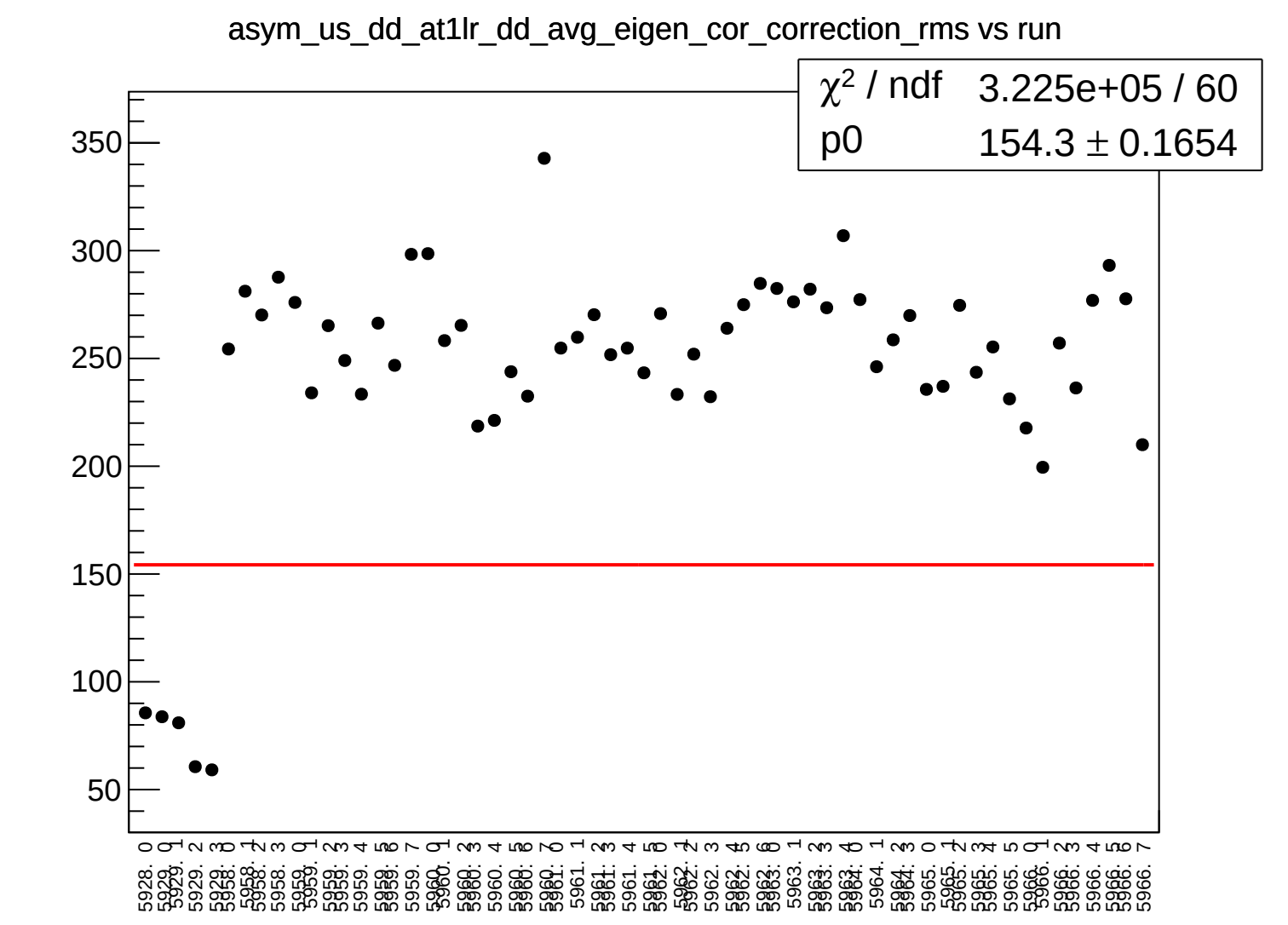

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 50.98 / 60
p0 3980 ± 2884
pull
Entries 61
Mean −132.7
Std Dev 0

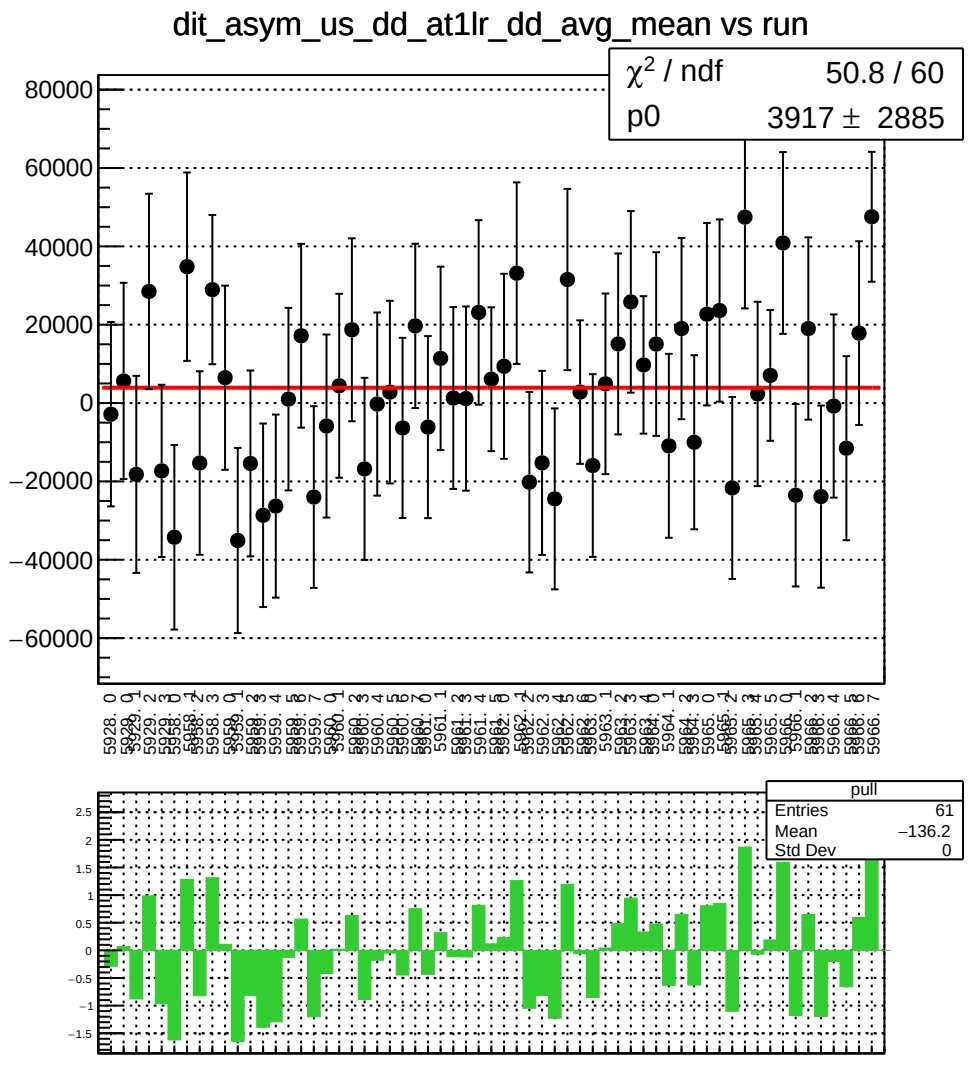

pull1D
Entries 61
Mean −0.02623
Std Dev 0.9138

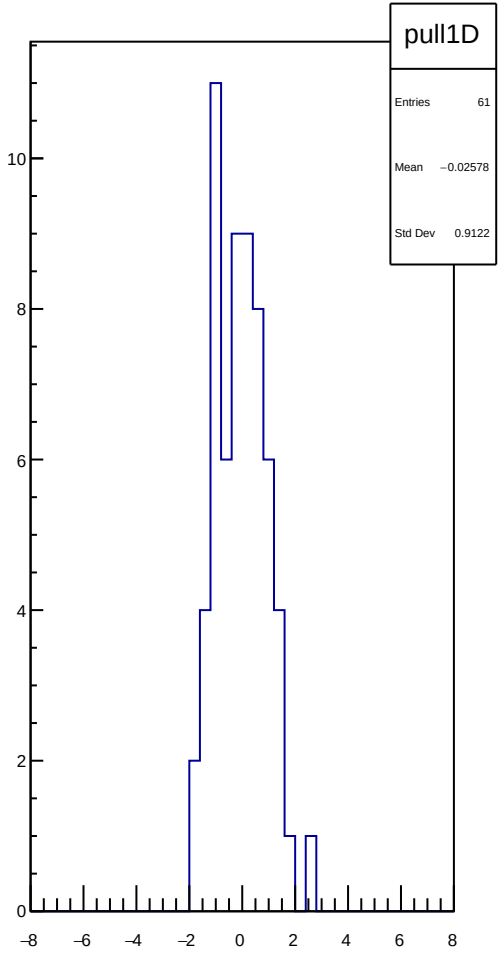

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 498.6 / 60
p0 2227 ± 2.039
2400
2350
2300
2250
2200
2150

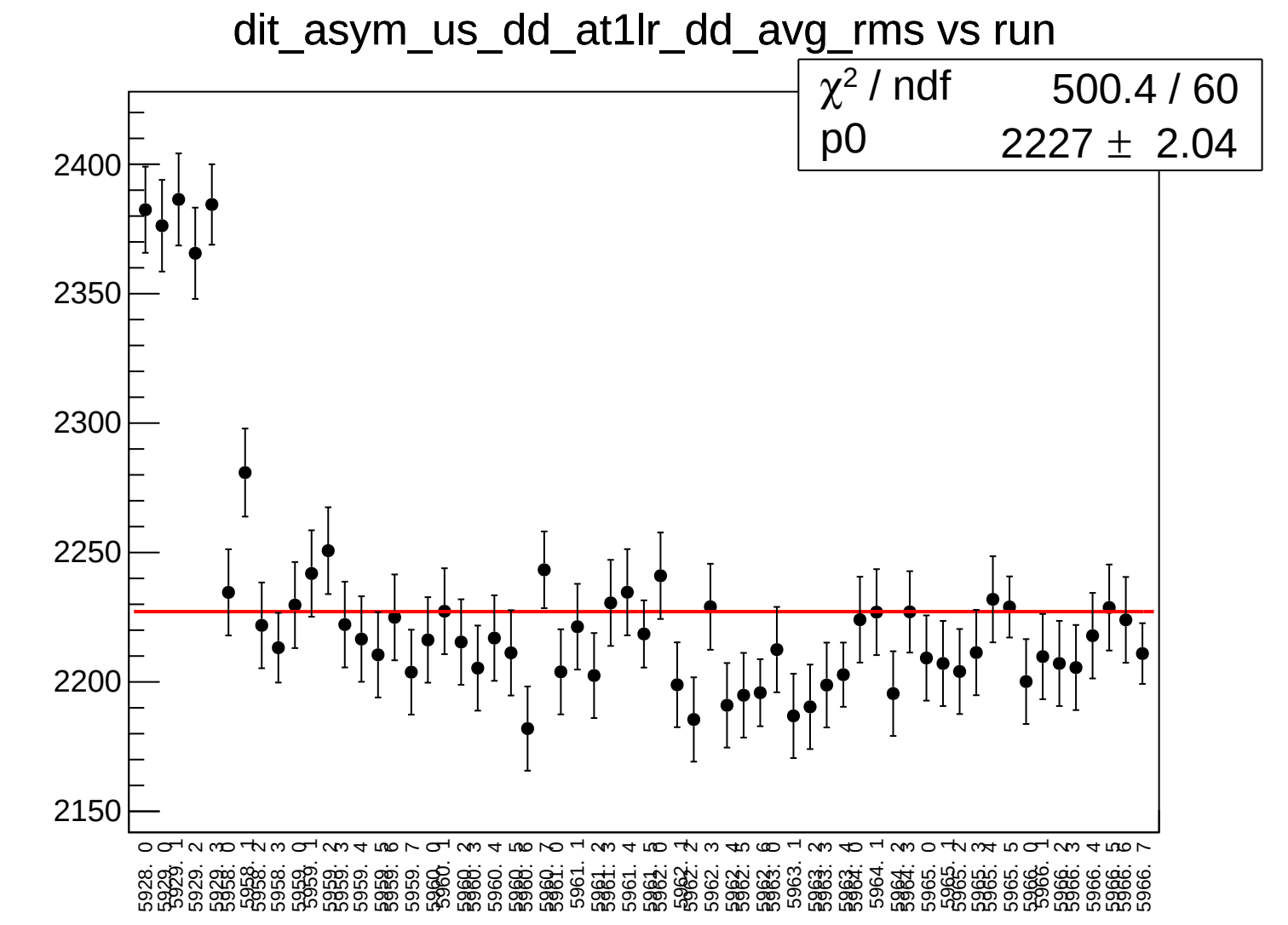

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.29 / 60
p0 −410.9 ± 233.8
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 22.93
Std Dev 9.579
3
2
1
0
−1
−2

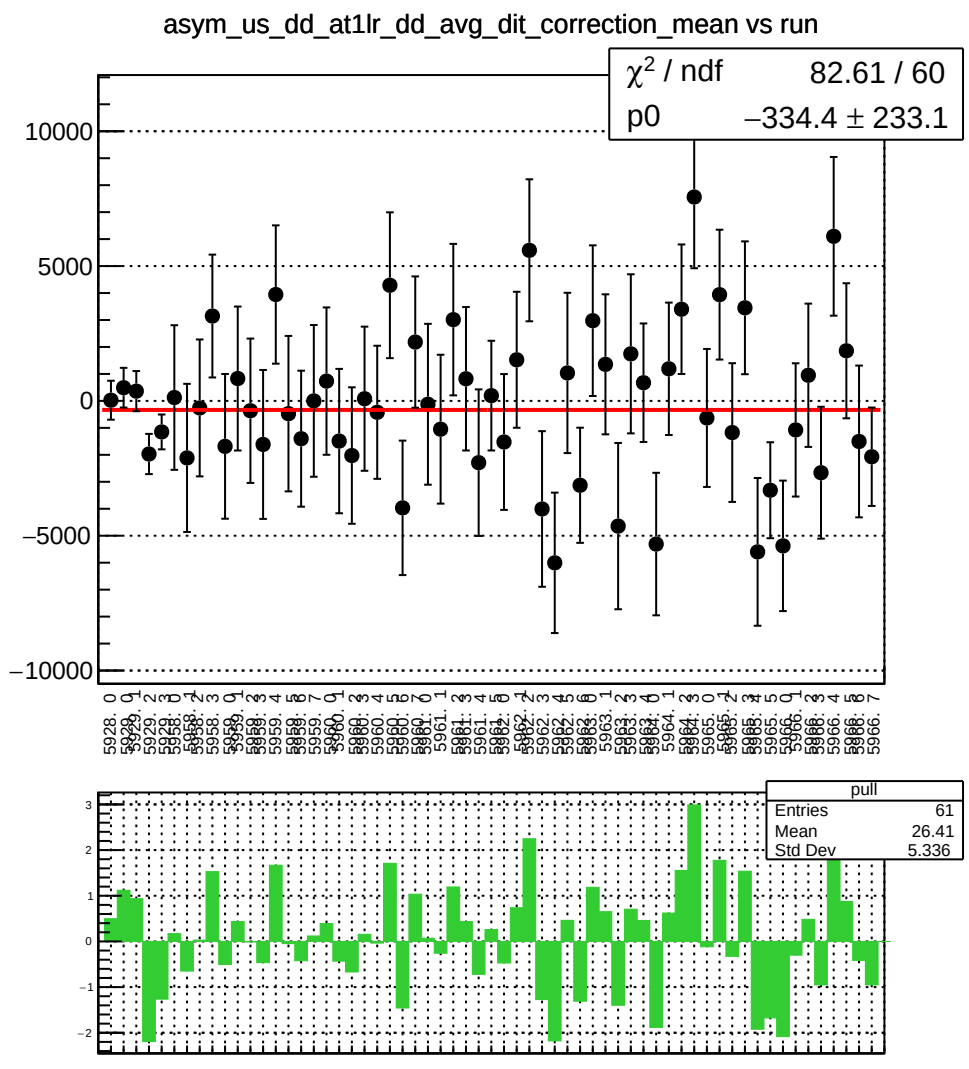

pull1D
Entries 61
Mean 0.09726
Std Dev 1.178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

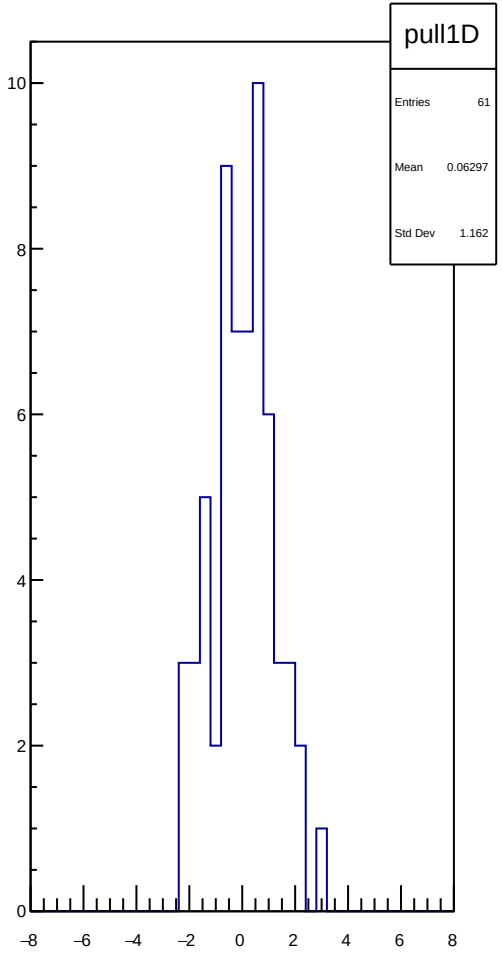

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3.225e+05 / 60
p0 154.3 ± 0.1654
350
300
250
200
150
100
50

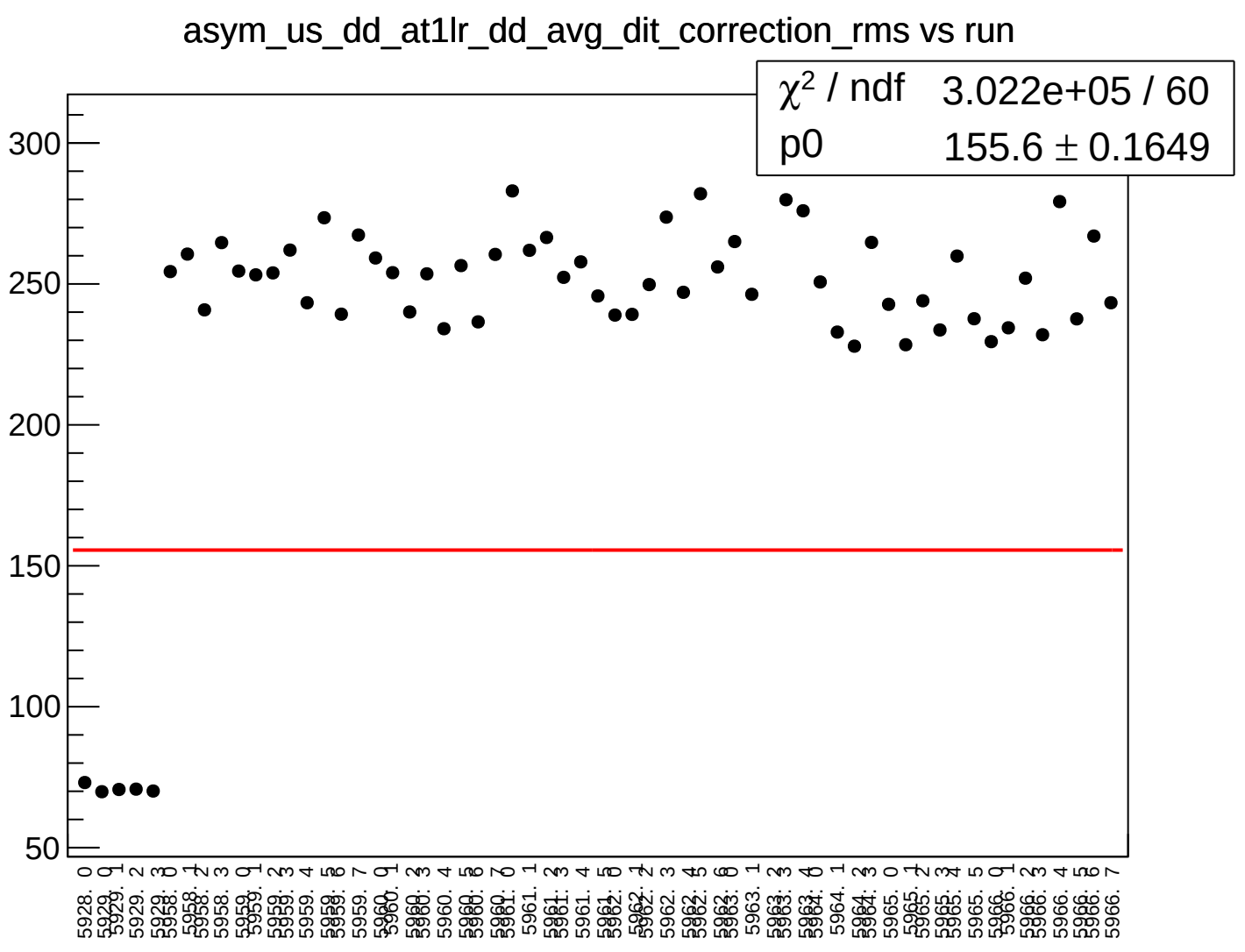

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 50.8 / 60
p0 3917 ± 2885
pull
Entries 61
Mean −136.2
Std Dev 0

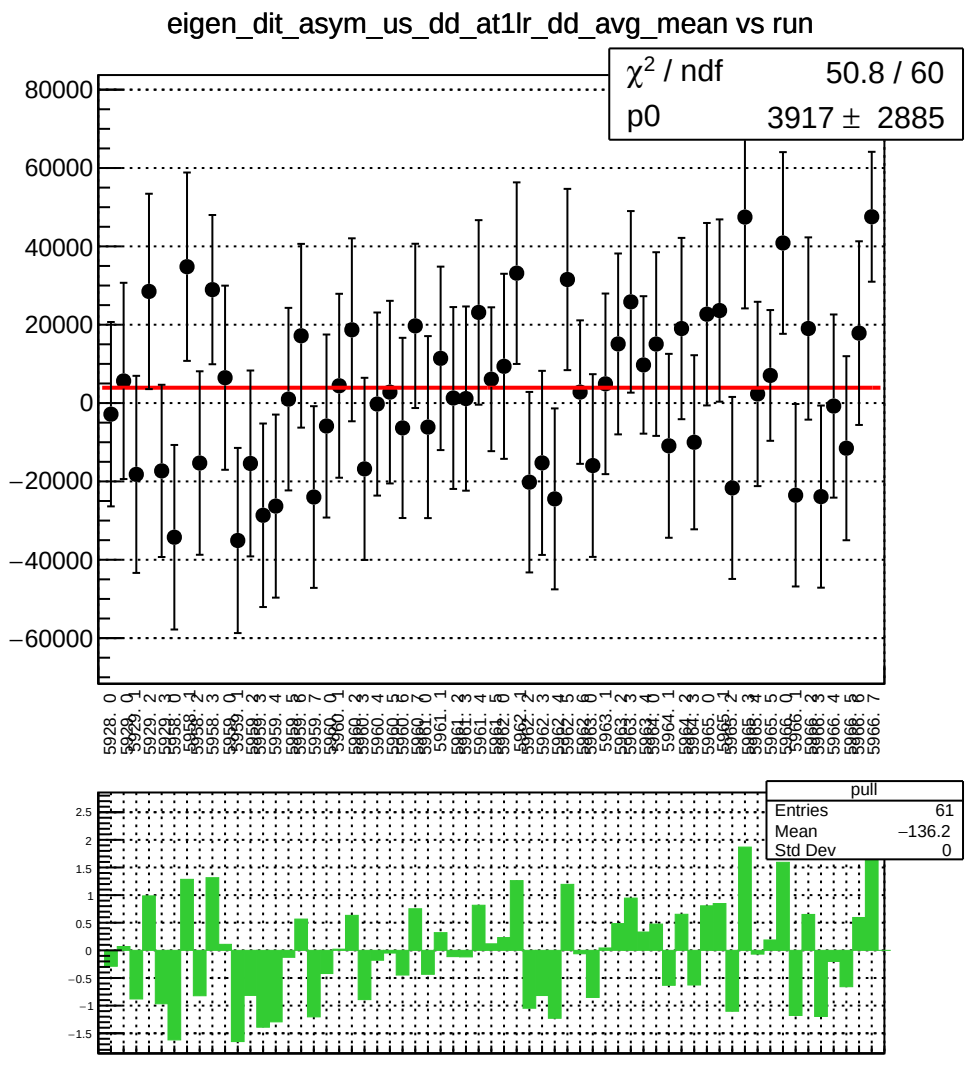

pull1D
Entries 61
Mean −0.02578
Std Dev 0.9122

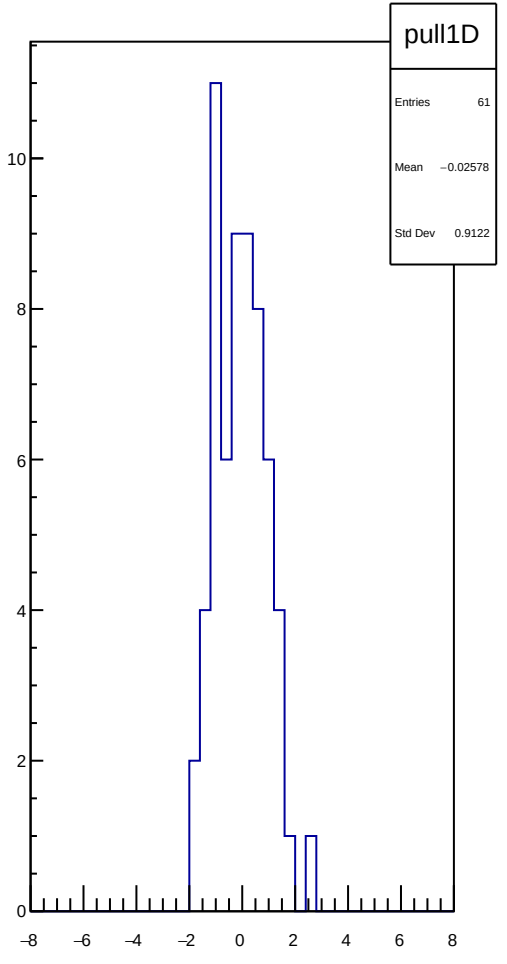

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 500.4 / 60
p0 2227 ± 2.04
2400
2350
2300
2250
2200
2150

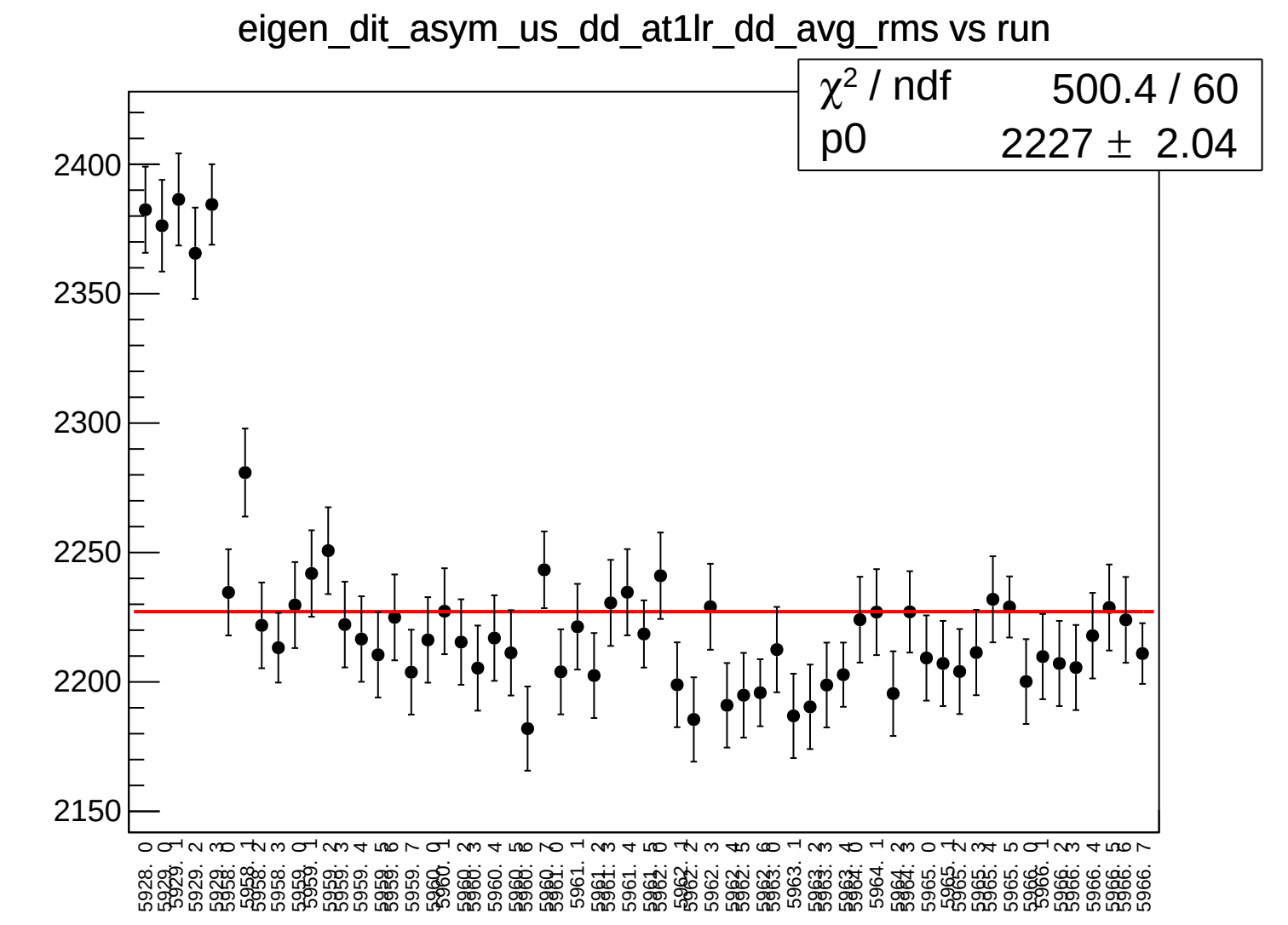

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 82.61 / 60
p0 −334.4 ± 233.1
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 26.41
Std Dev 5.336
3
2
1
0
−1
−2

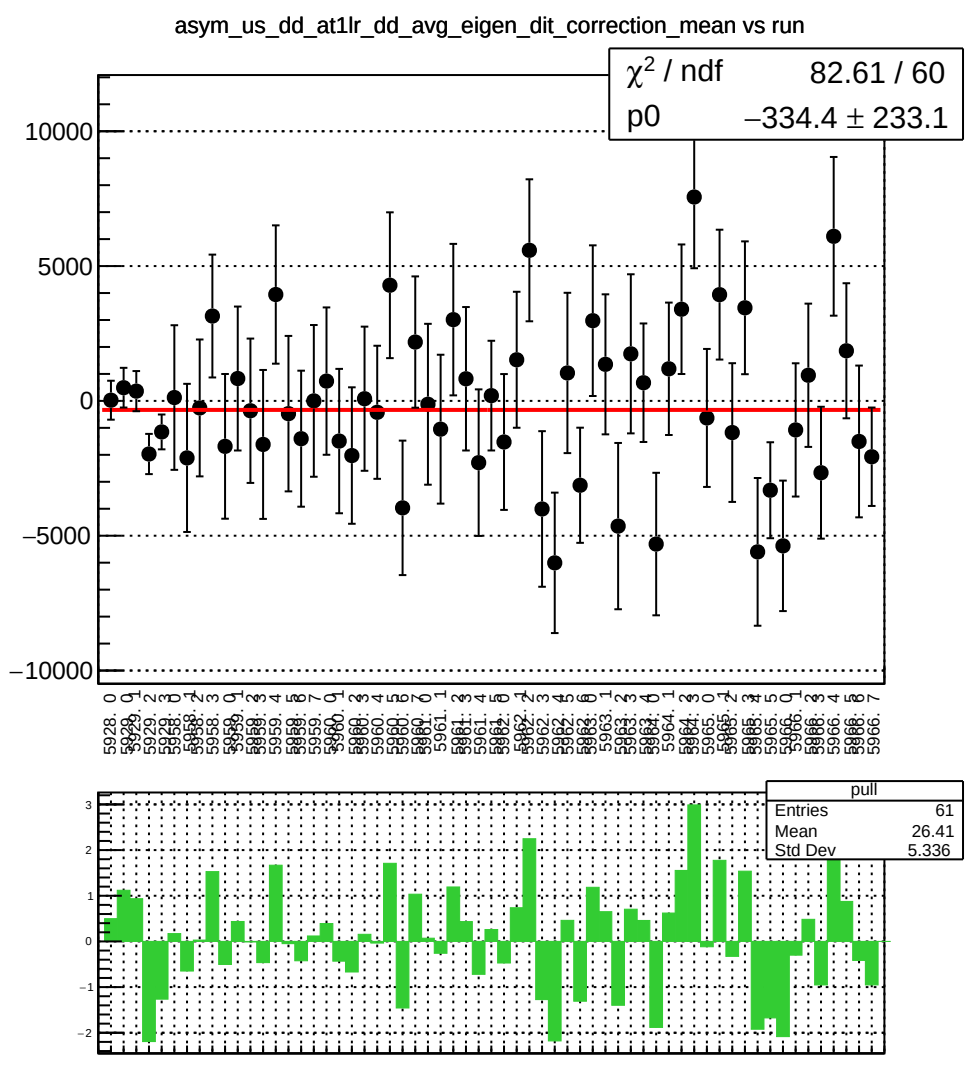

pull1D
Entries 61
Mean 0.06297
Std Dev 1.162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

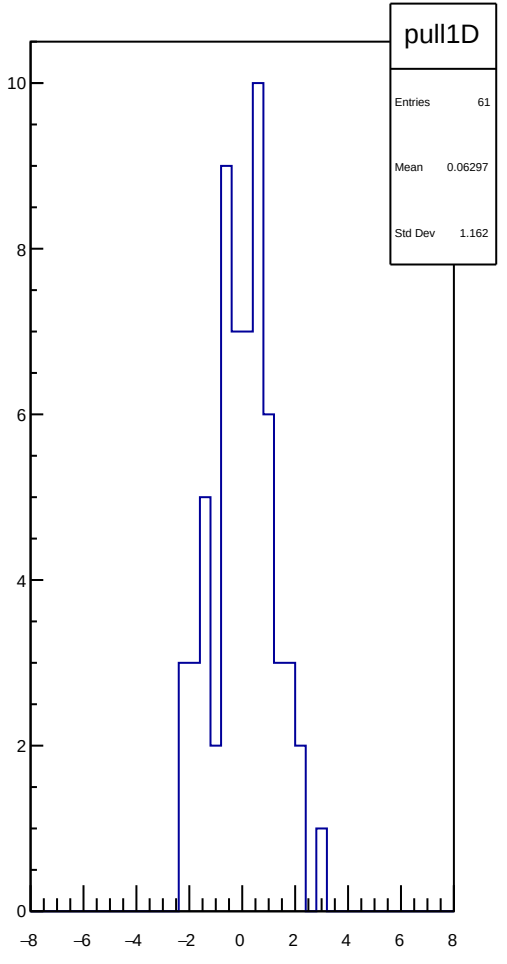

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3.022e+05 / 60
p0 155.6 ± 0.1649
300
250
200
150
100
50

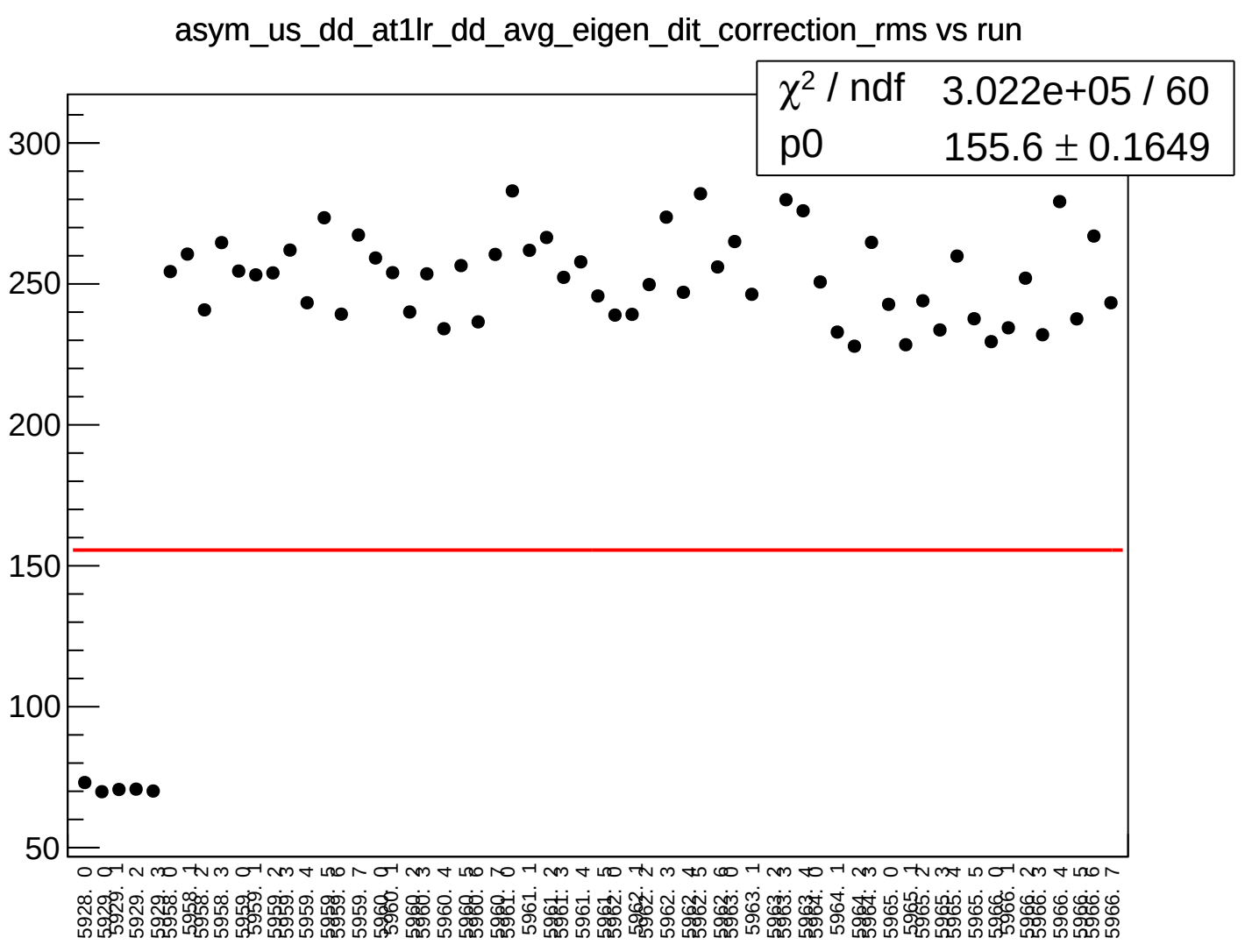

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 50.8 / 60
p0 3917 ± 2885
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −136.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

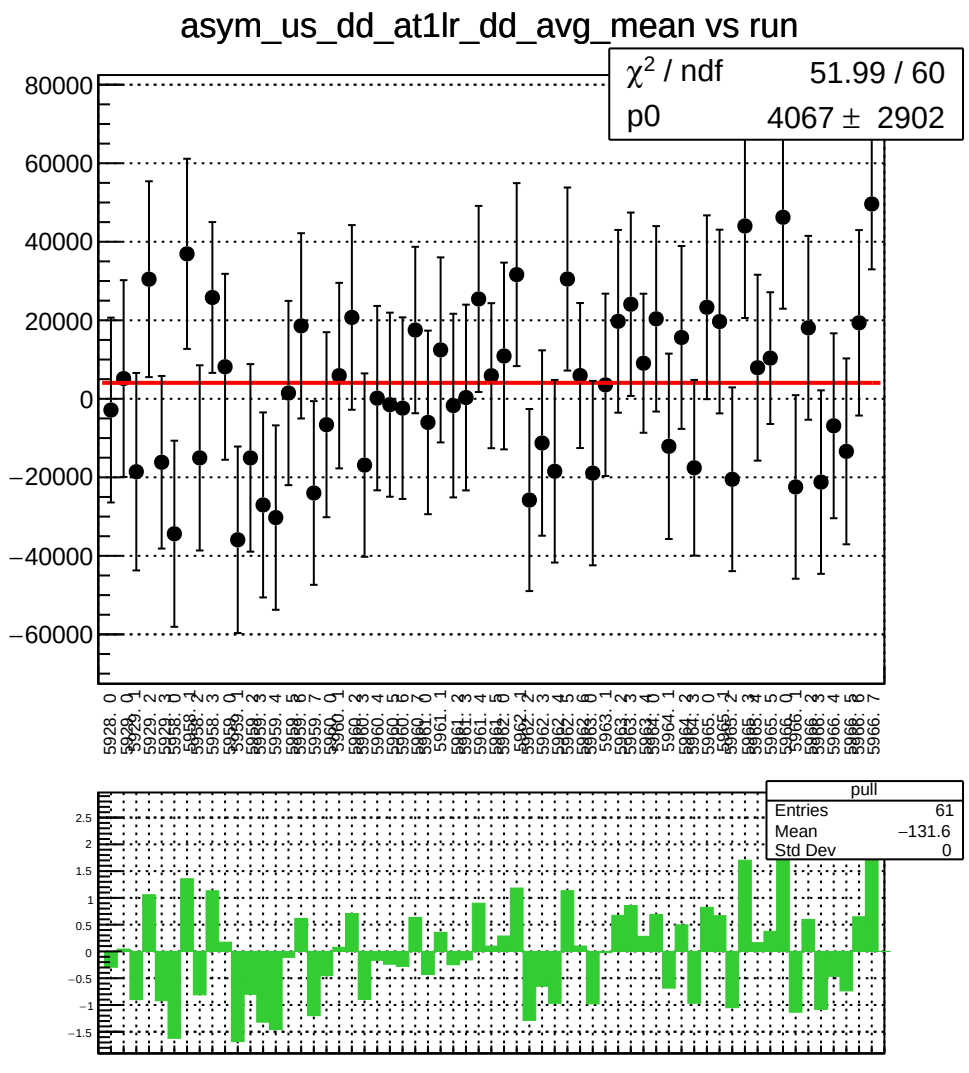

pull1D
Entries 61
Mean −0.02578
Std Dev 0.9122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

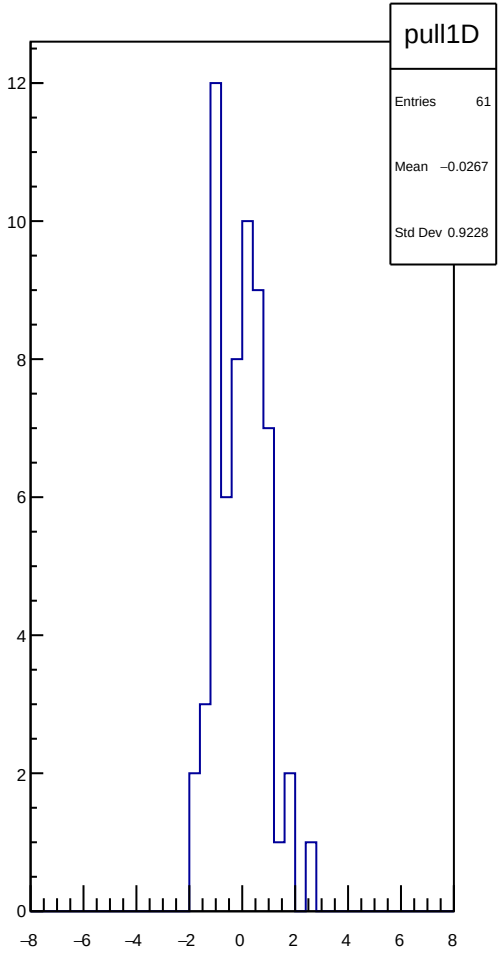

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 500.4 / 60
p0 2227 ± 2.04
2400
2350
2300
2250
2200
2150

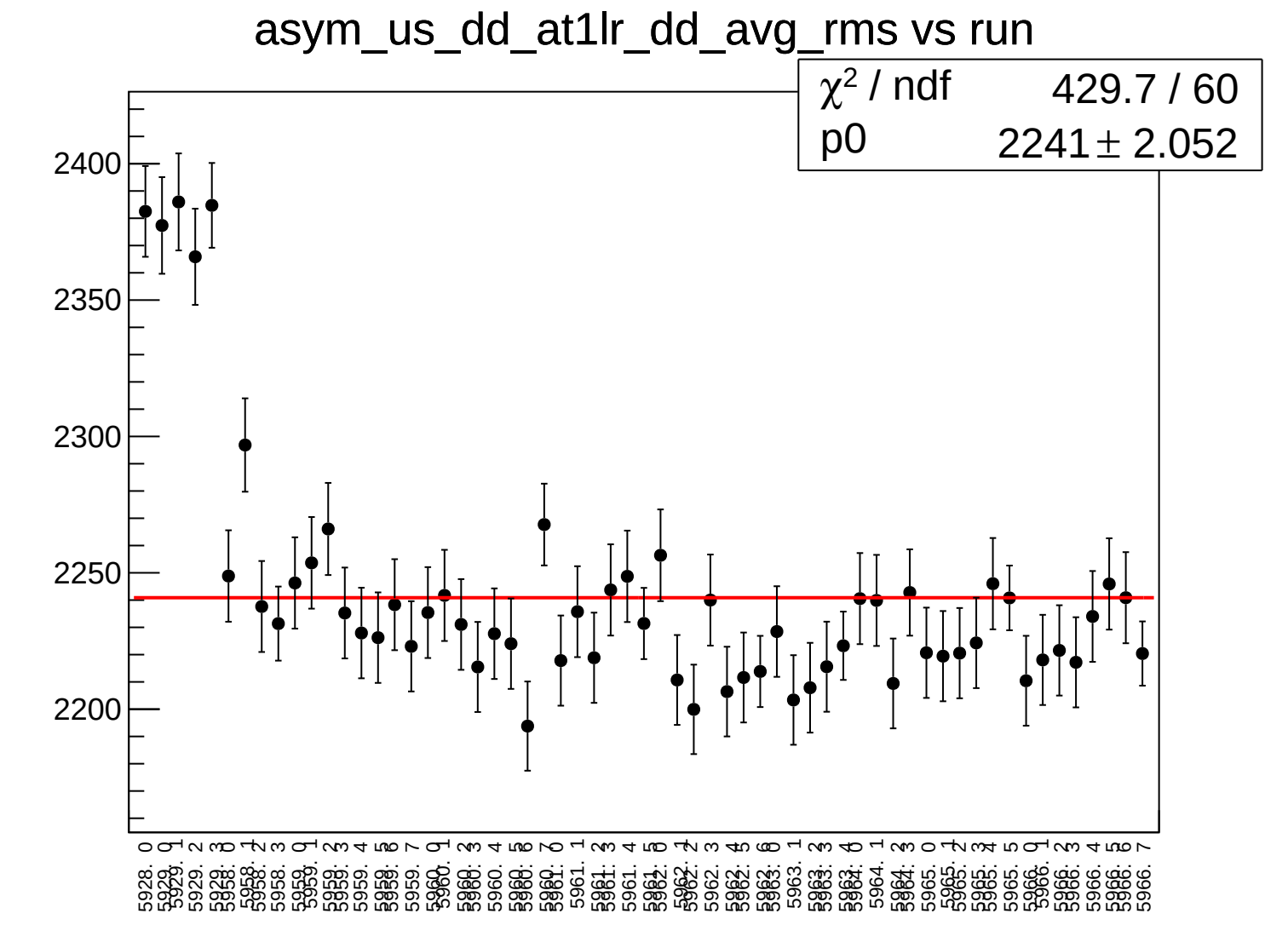

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.61 / 60
p0 −334.4 ± 233.1
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 26.41
Std Dev 5.336
3
2
1
0
−1
−2

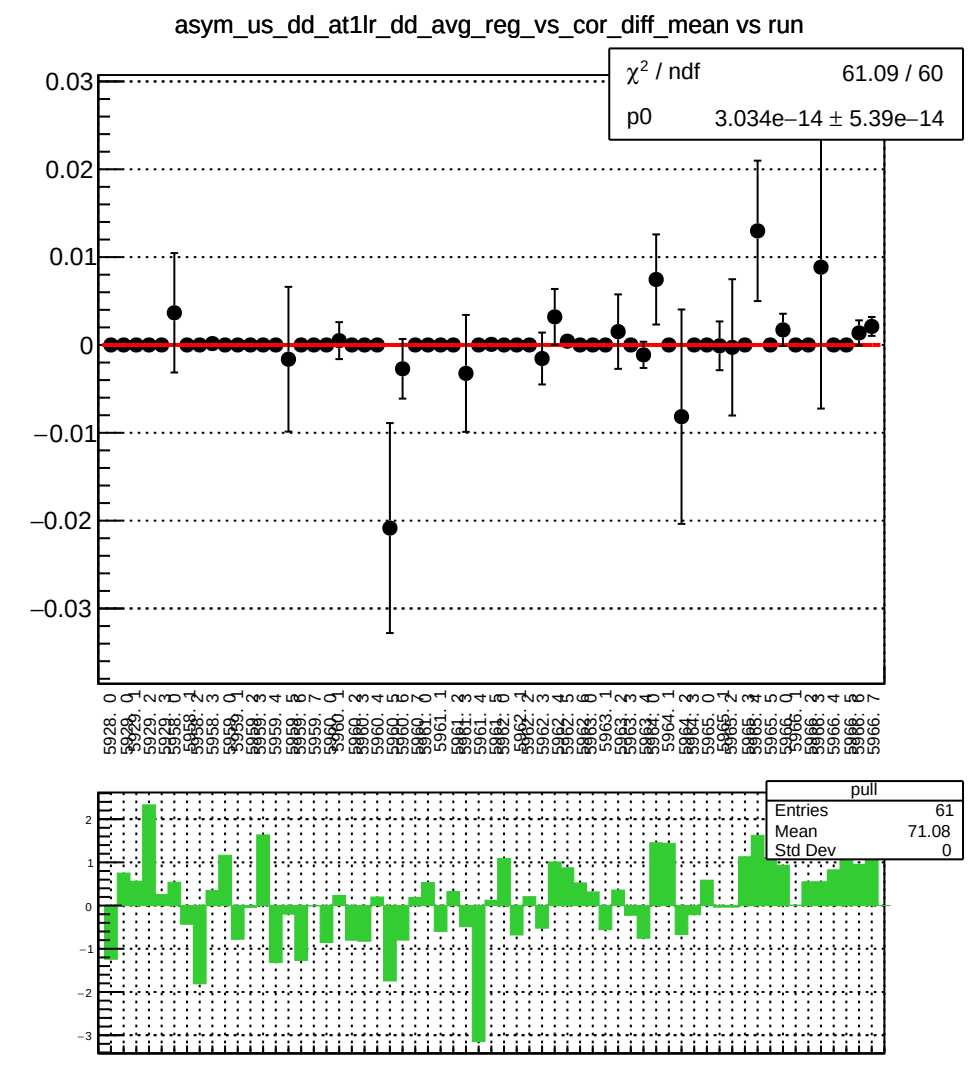

pull1D
Entries 61
Mean 0.06297
Std Dev 1.162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

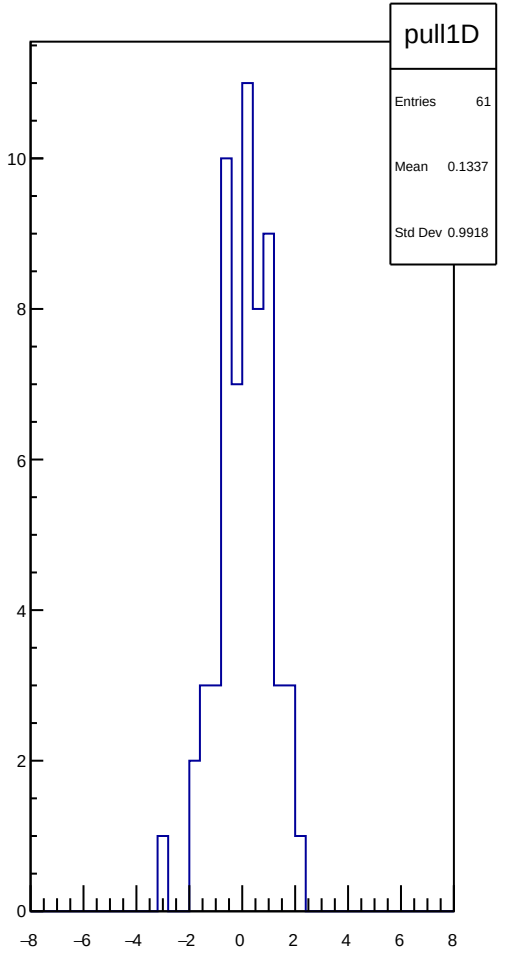

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3.022e+05 / 60
p0 155.6 ± 0.1649
300
250
200
150
100
50

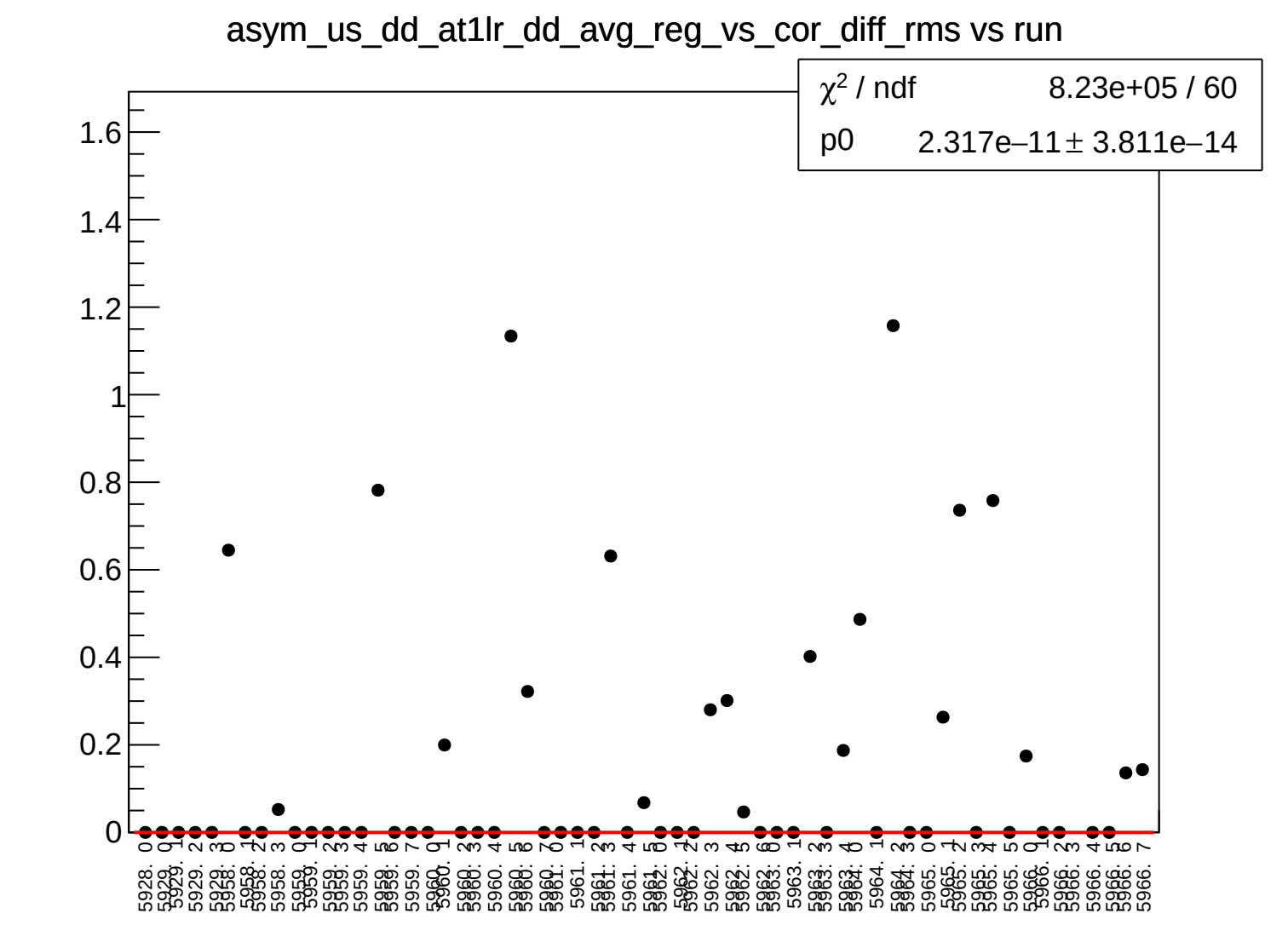

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 51.99 / 60
p0 4067 ± 2902
pull
Entries 61
Mean −131.6
Std Dev 0

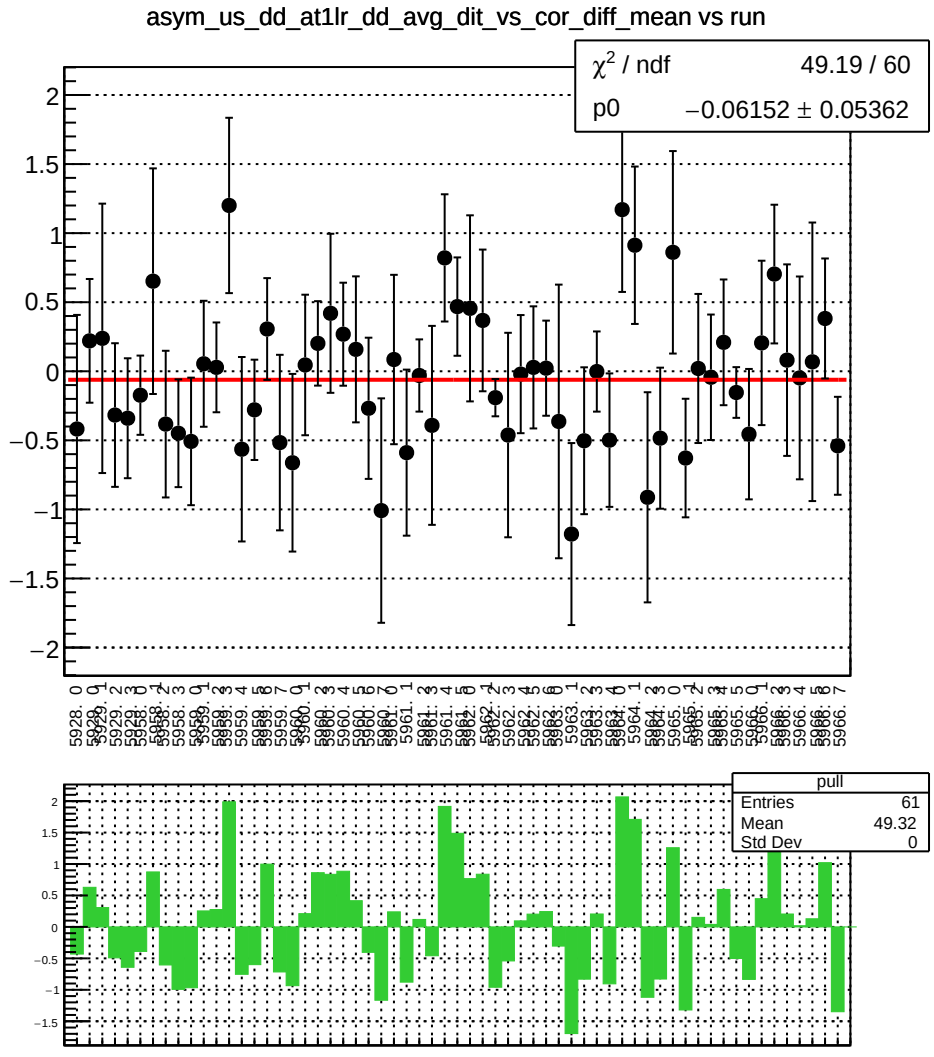

pull1D
Entries 61
Mean −0.0267
Std Dev 0.9228

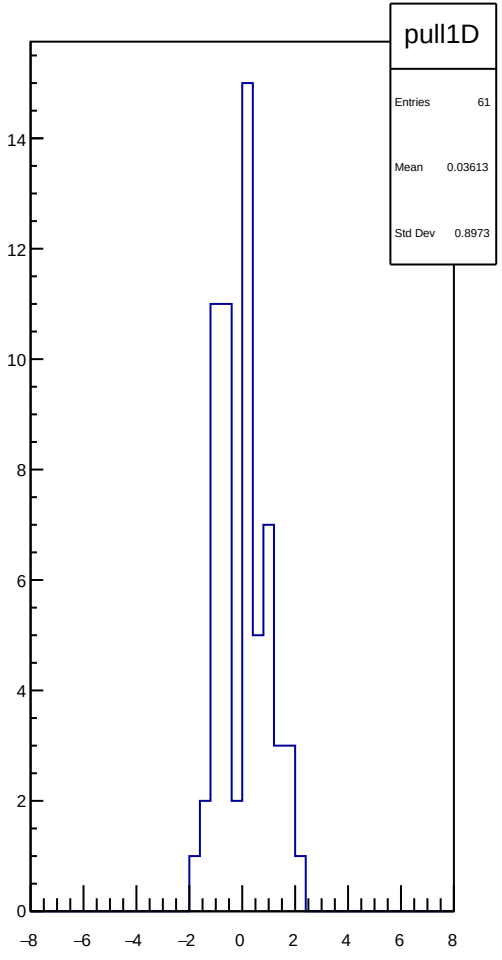

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 429.7 / 60
p0 2241 ± 2.052
2400
2350
2300
2250
2200

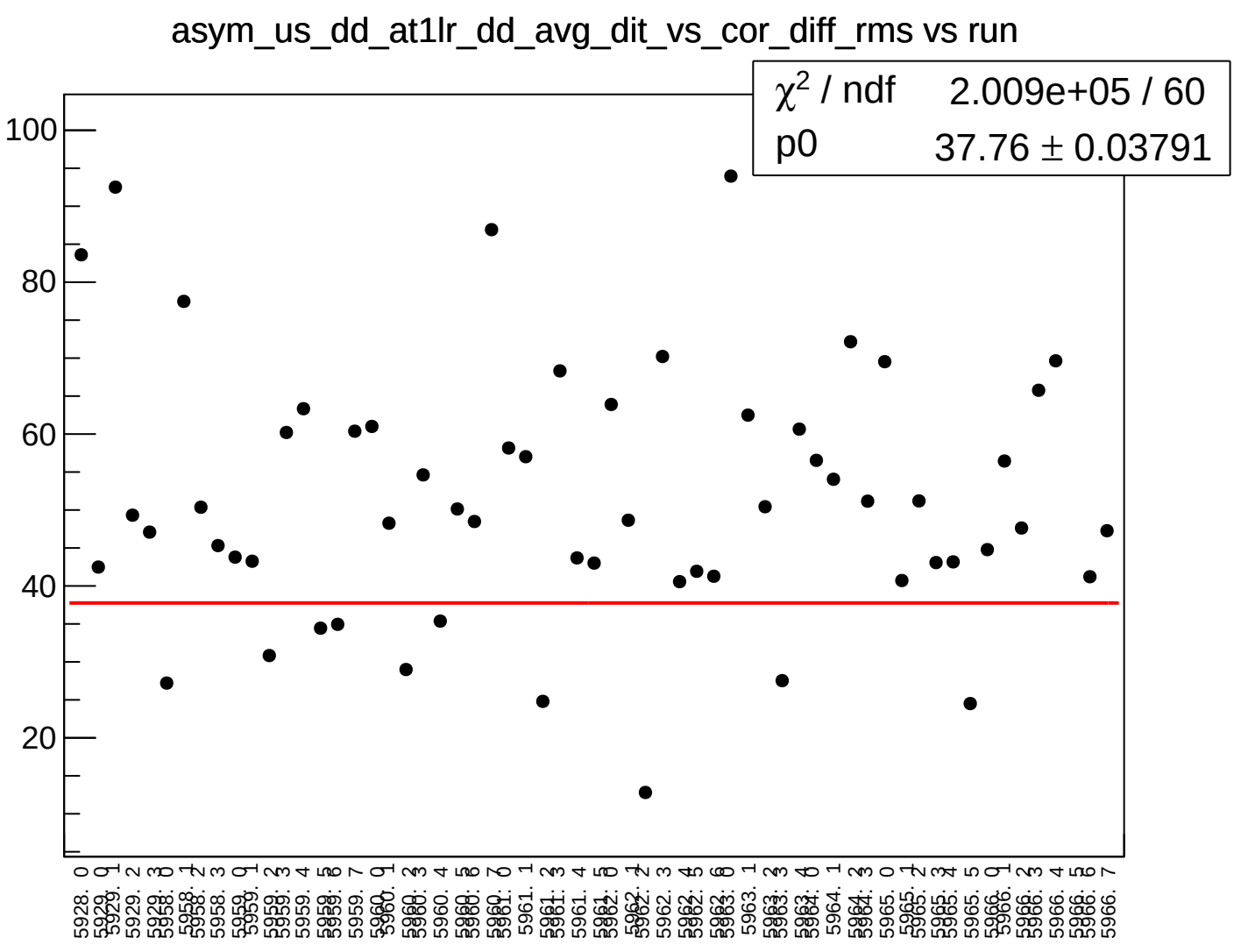

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 61.09 / 60
p0 3.034e−14 ± 5.39e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 61
Mean 71.08
Std Dev 0

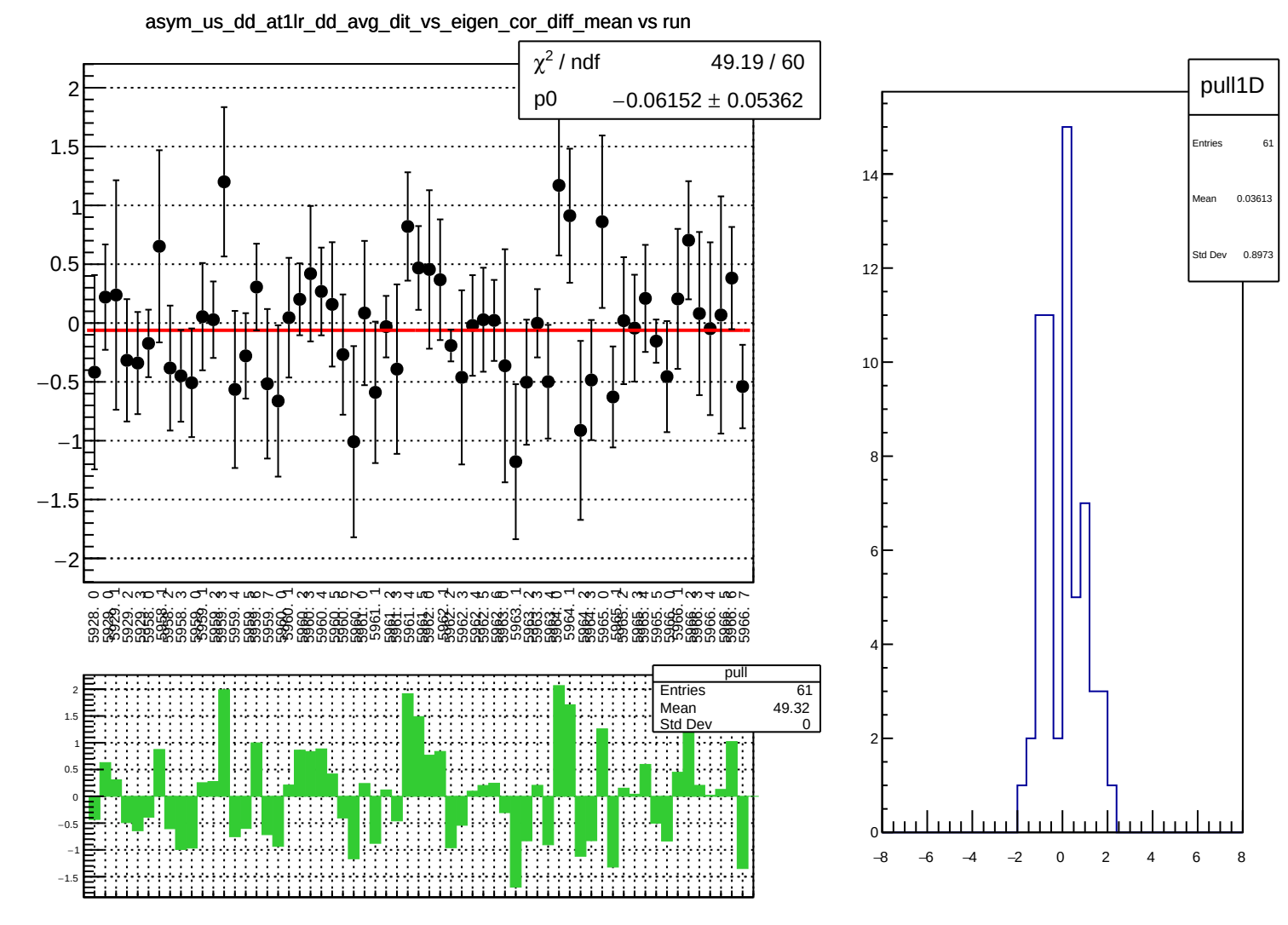

pull1D
Entries 61
Mean 0.1337
Std Dev 0.9918
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

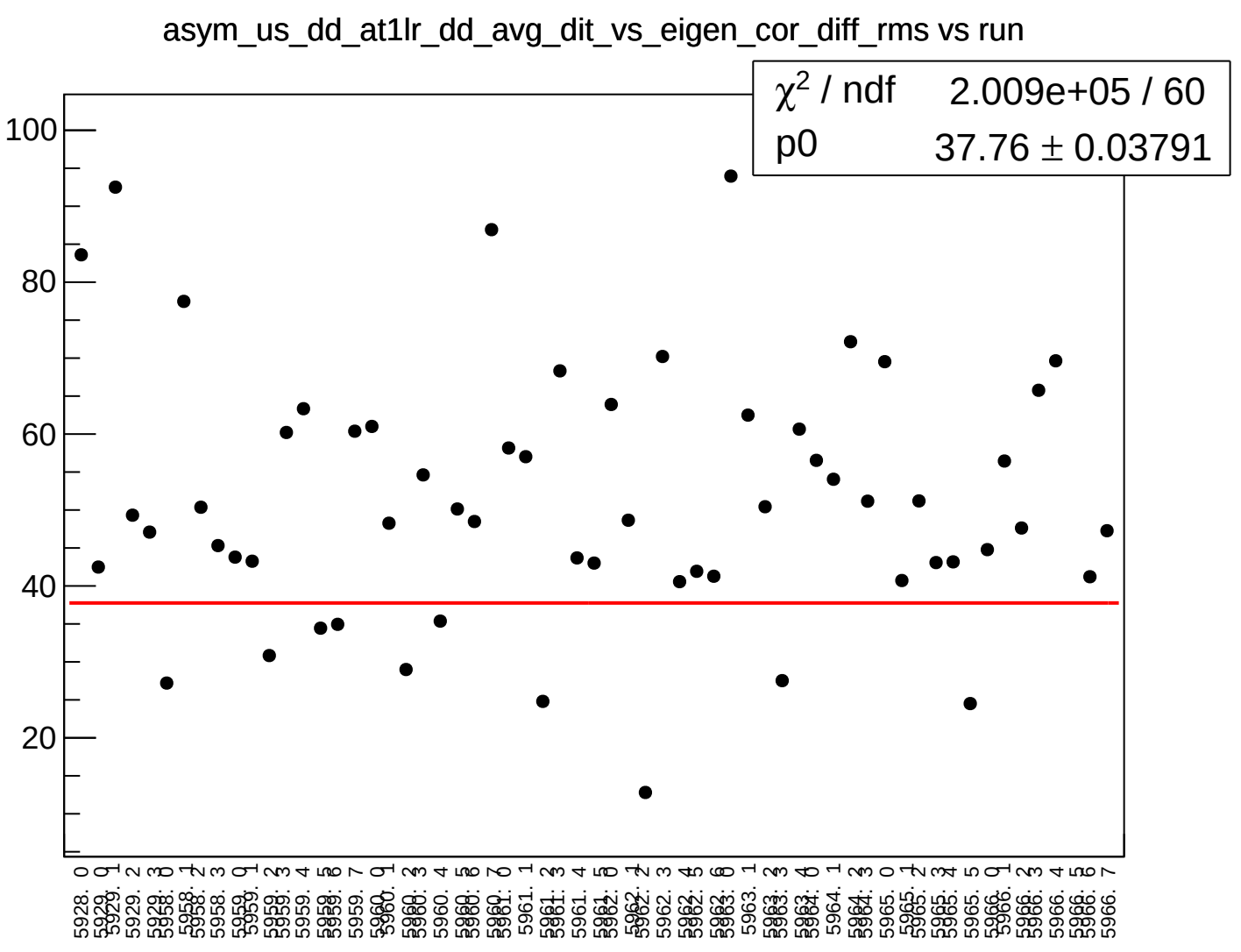

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.23e+05 / 60
p0 2.317e−11 ± 3.811e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

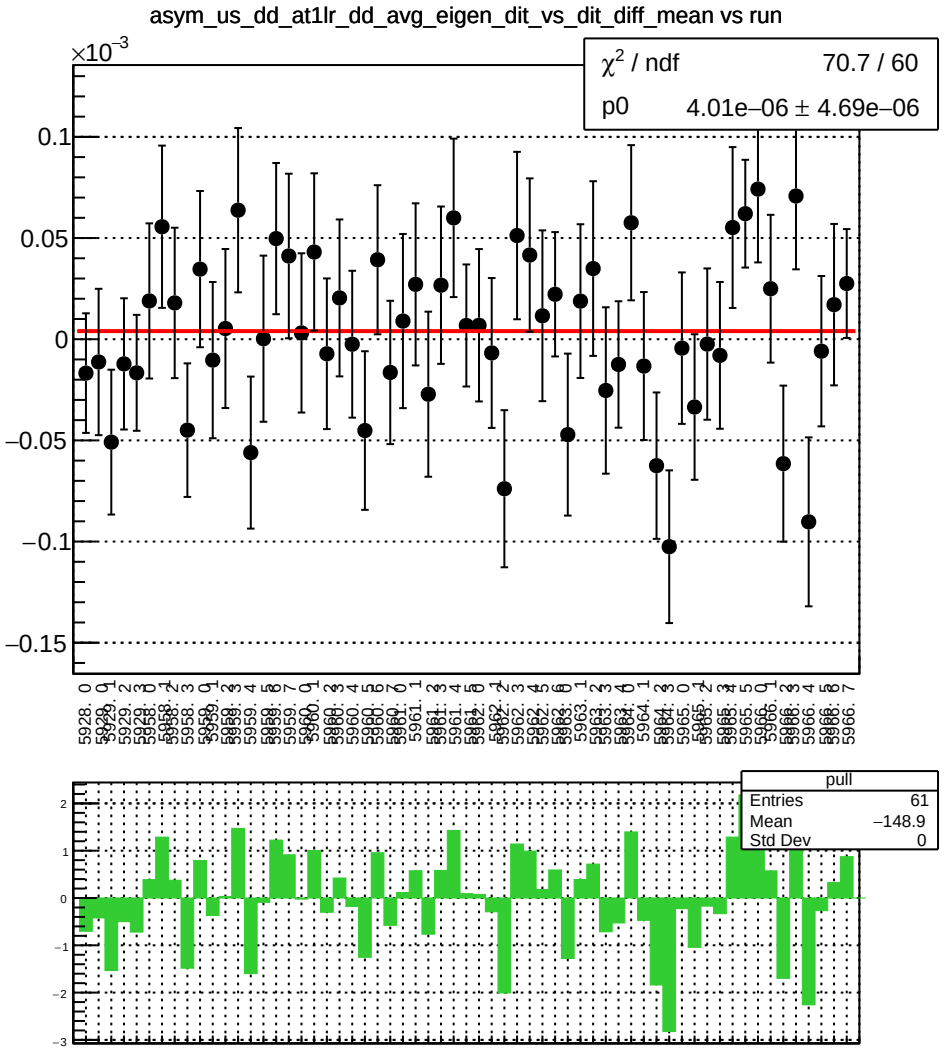

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 60
p0 −0.06152 ± 0.05362
pull
Entries 61
Mean 49.32
Std Dev 0

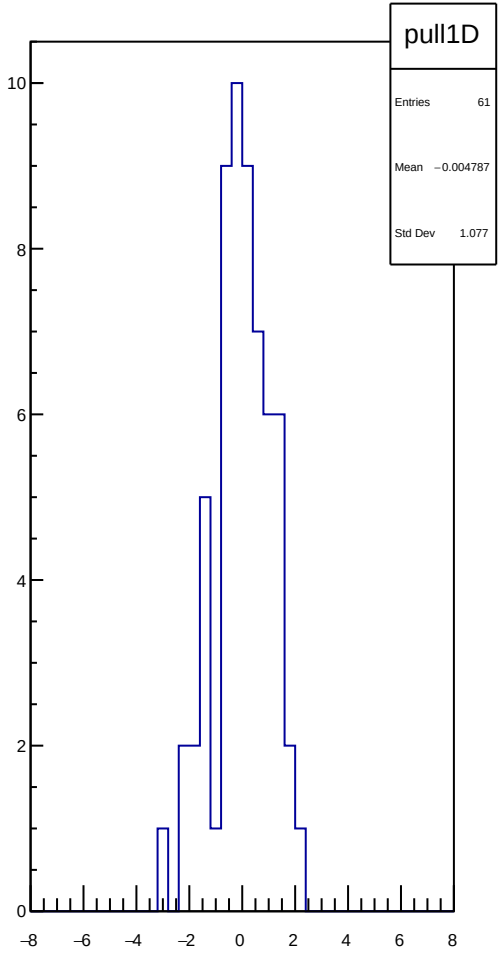

pull1D
Entries 61
Mean 0.03613
Std Dev 0.8973

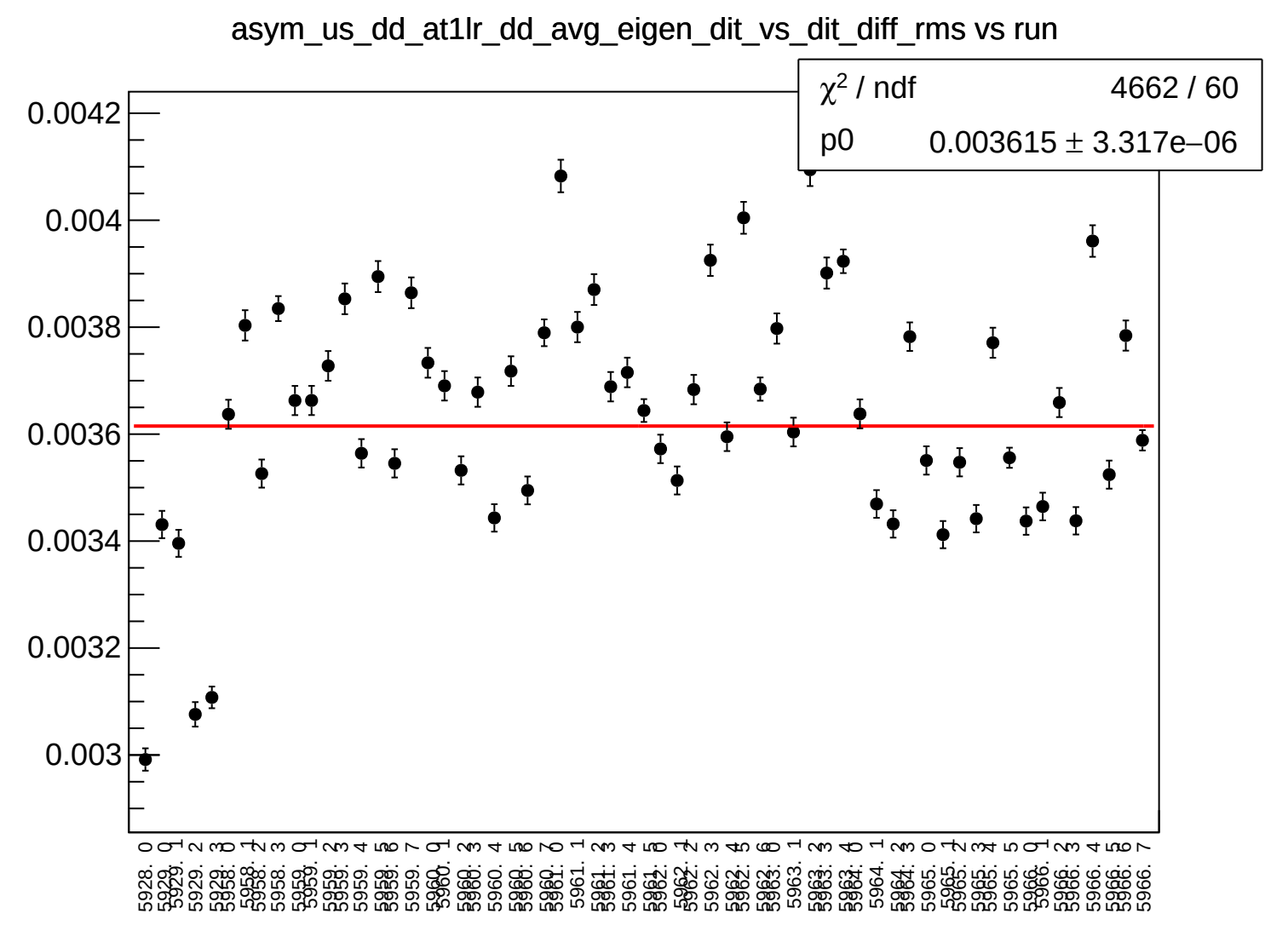

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.009e+05 / 60
p0 37.76 ± 0.03791
100
80
60
40
20

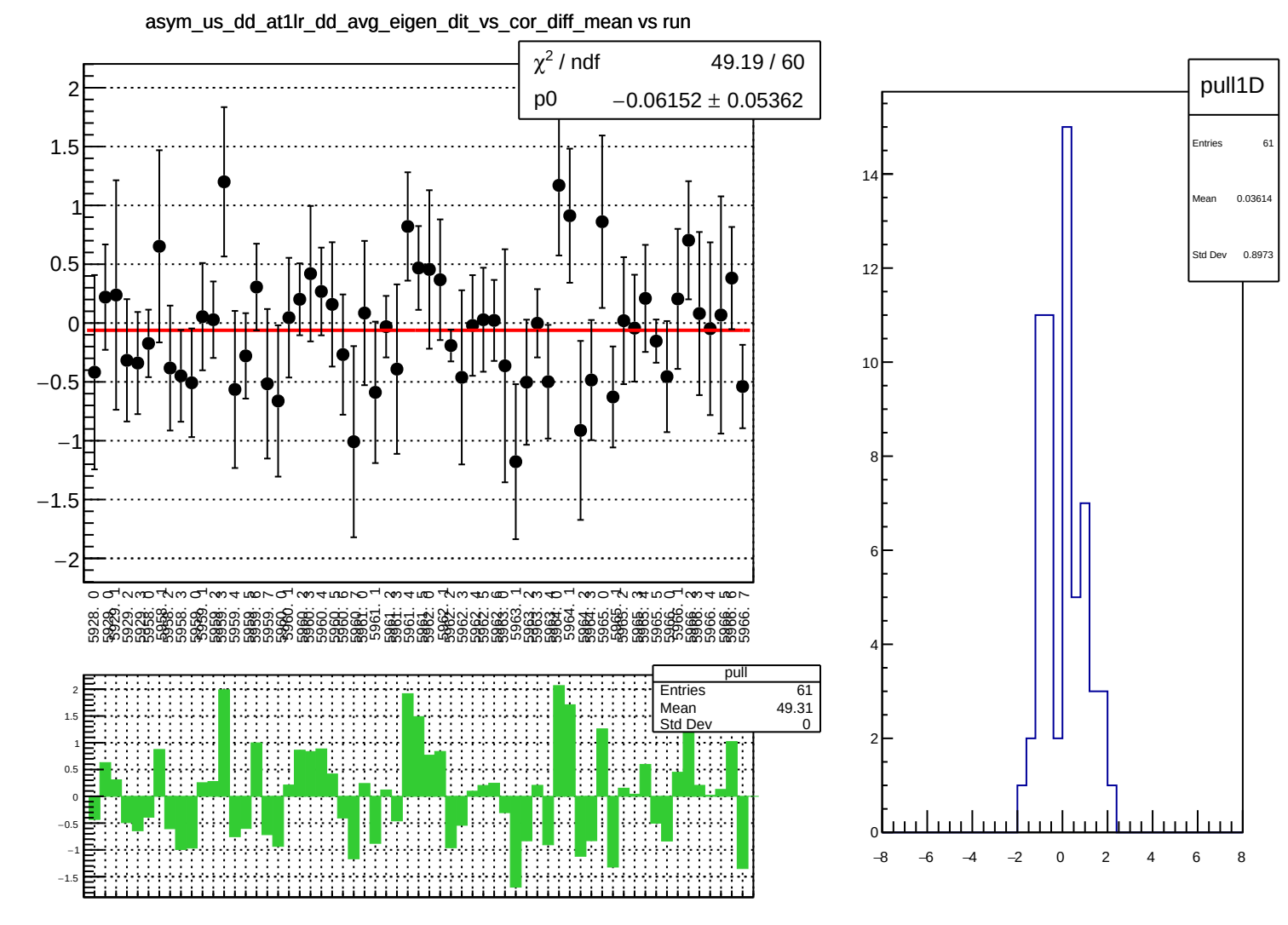

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 60
p0 −0.06152 ± 0.05362
pull
Entries 61
Mean 49.32
Std Dev 0
pull1D
Entries 61
Mean 0.03613
Std Dev 0.8973

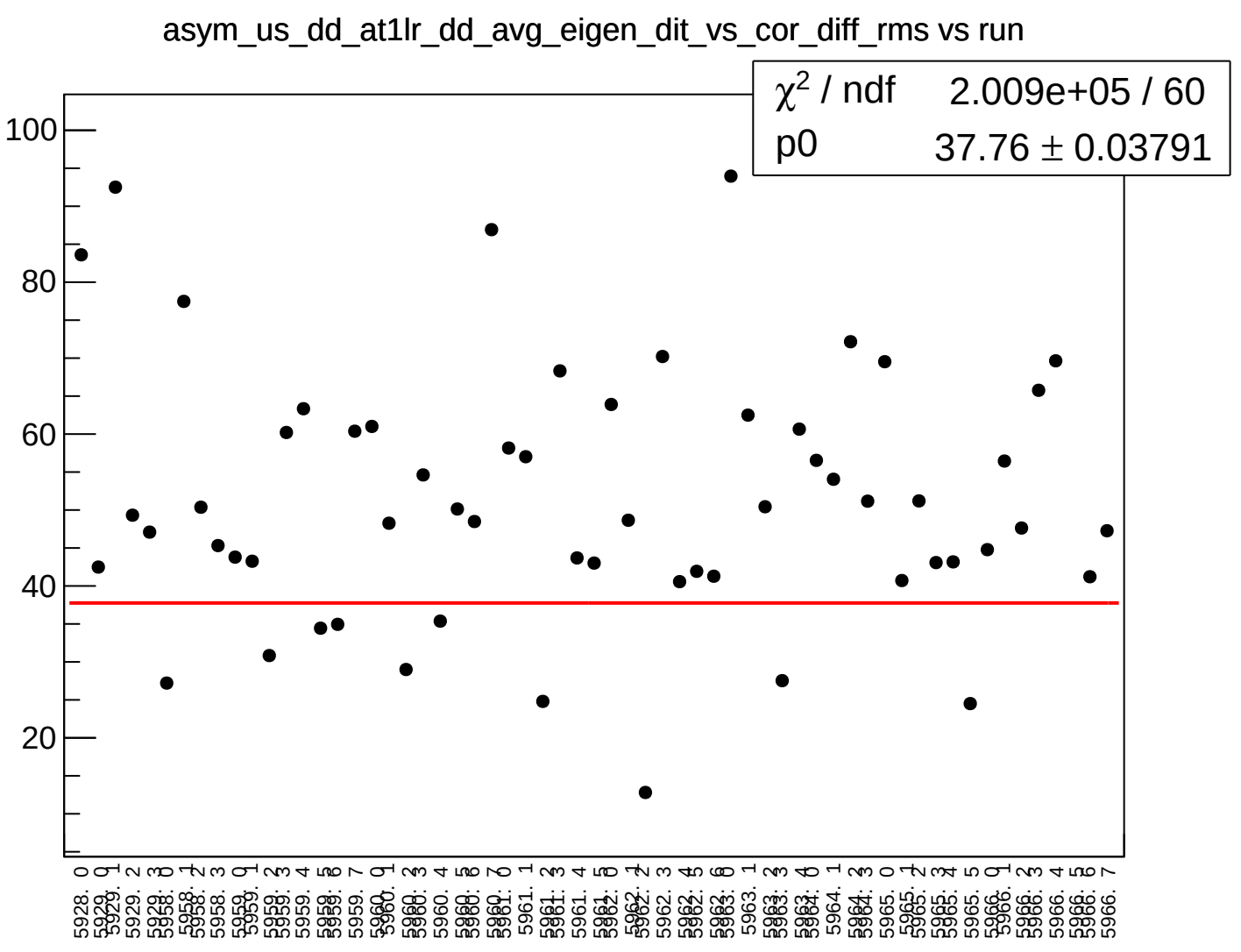

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.009e+05 / 60
p0 37.76 ± 0.03791
100
80
60
40
20

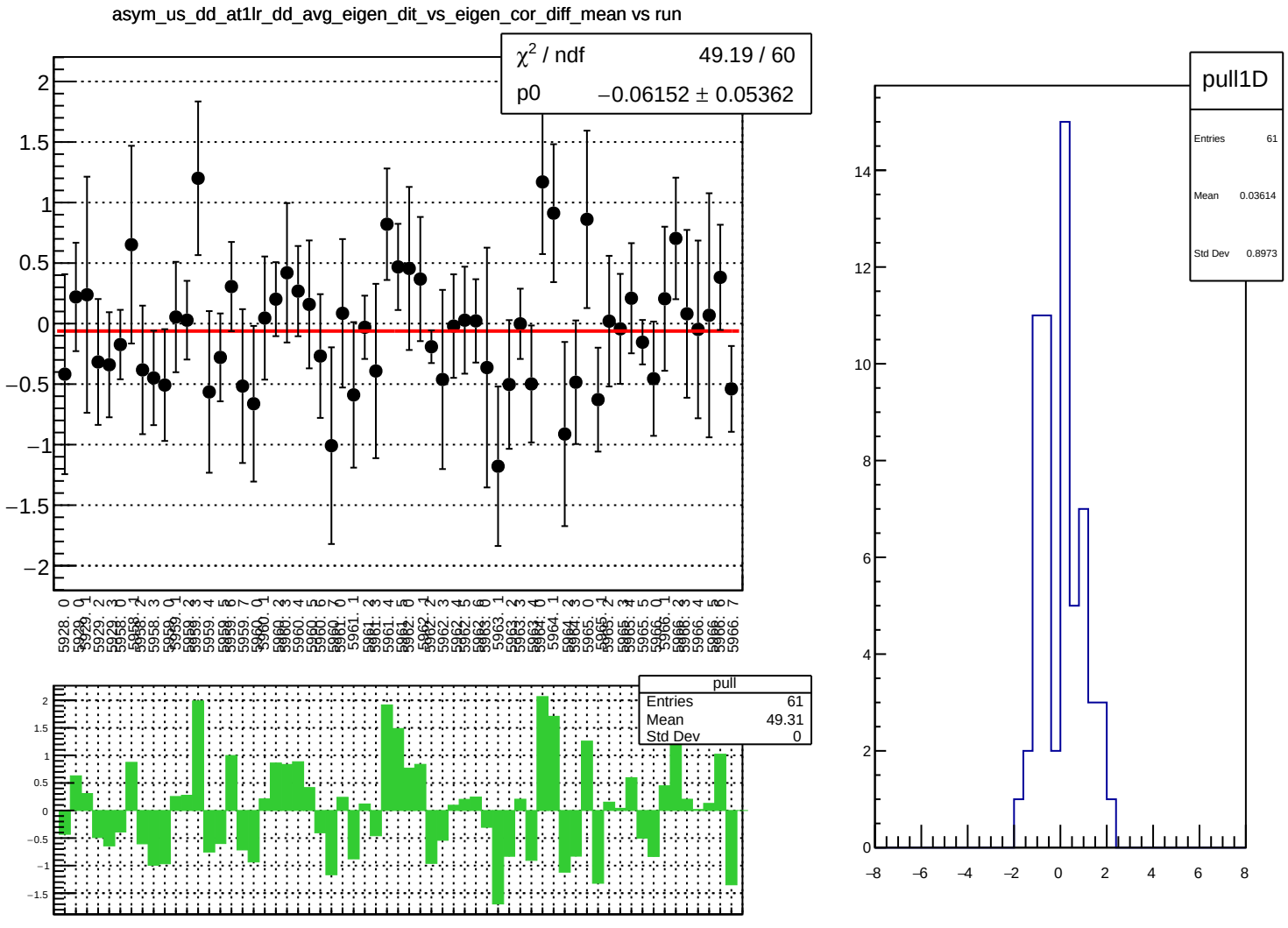

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 70.7 / 60
p0 4.01e−06 ± 4.69e−06
pull
Entries 61
Mean −148.9
Std Dev 0

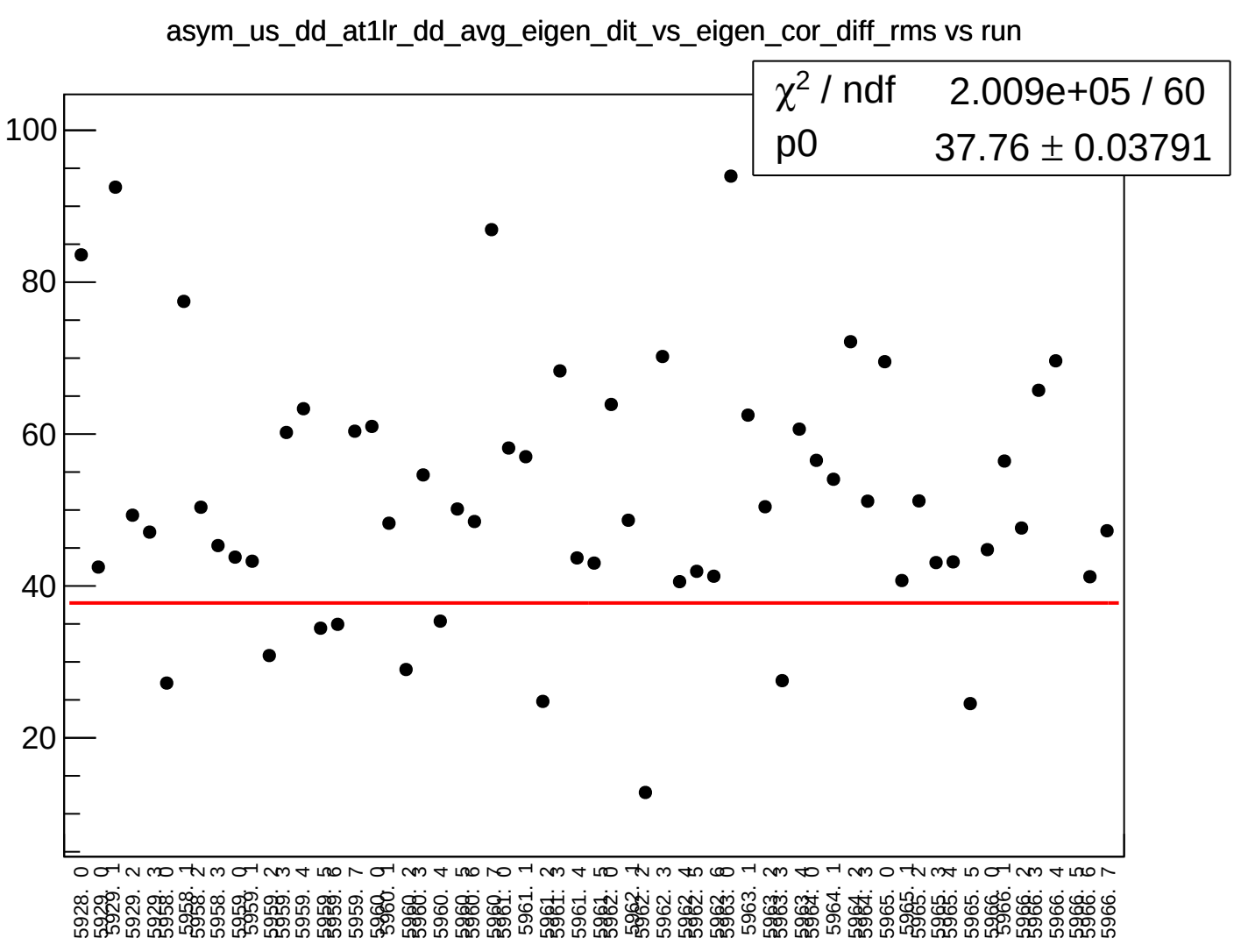

pull1D
Entries 61
Mean −0.004787
Std Dev 1.077

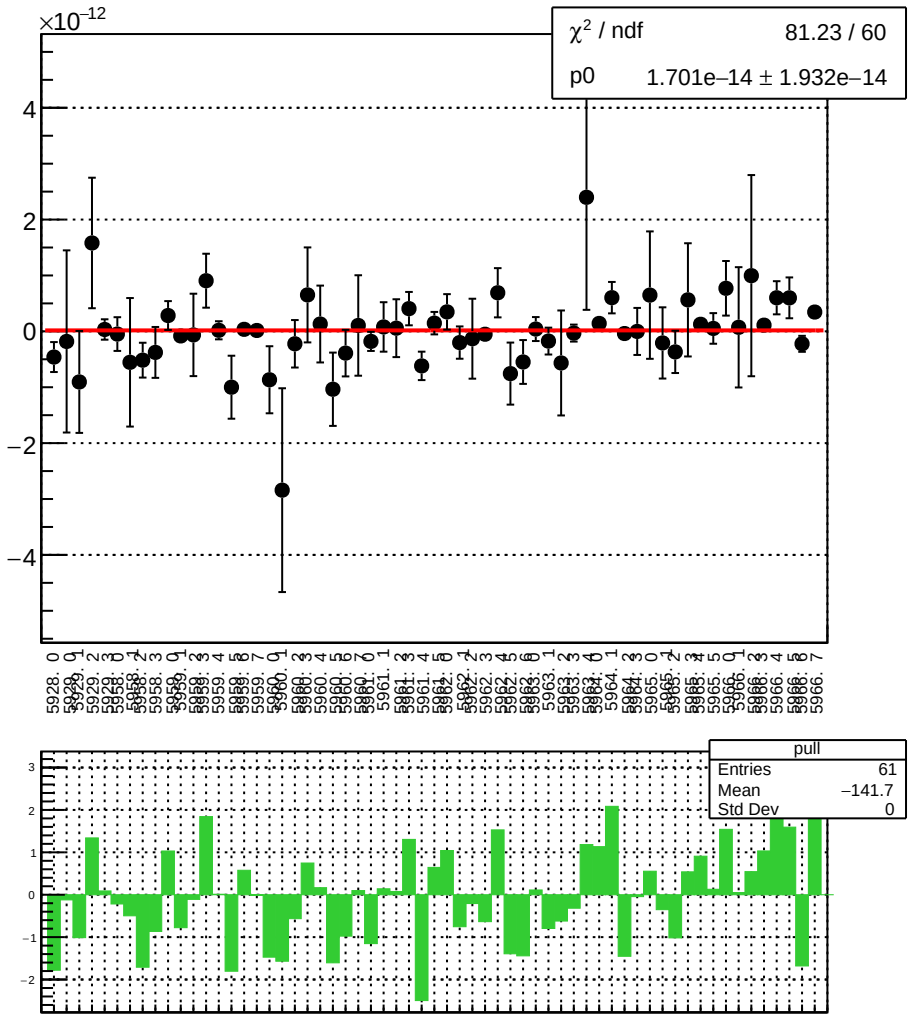

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4662 / 60
p0 0.003615 ± 3.317e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003

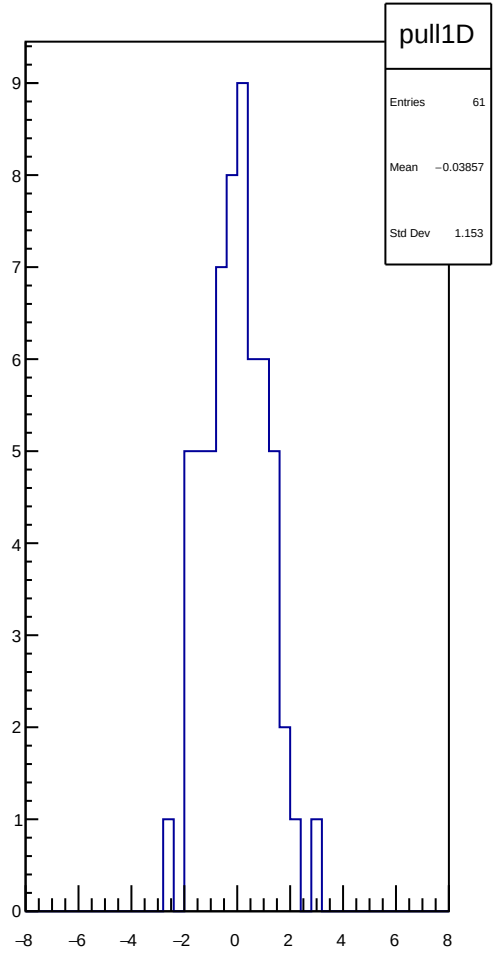

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 60
p0 −0.06152 ± 0.05362
pull
Entries 61
Mean 49.31
Std Dev 0
pull1D
Entries 61
Mean 0.03614
Std Dev 0.8973

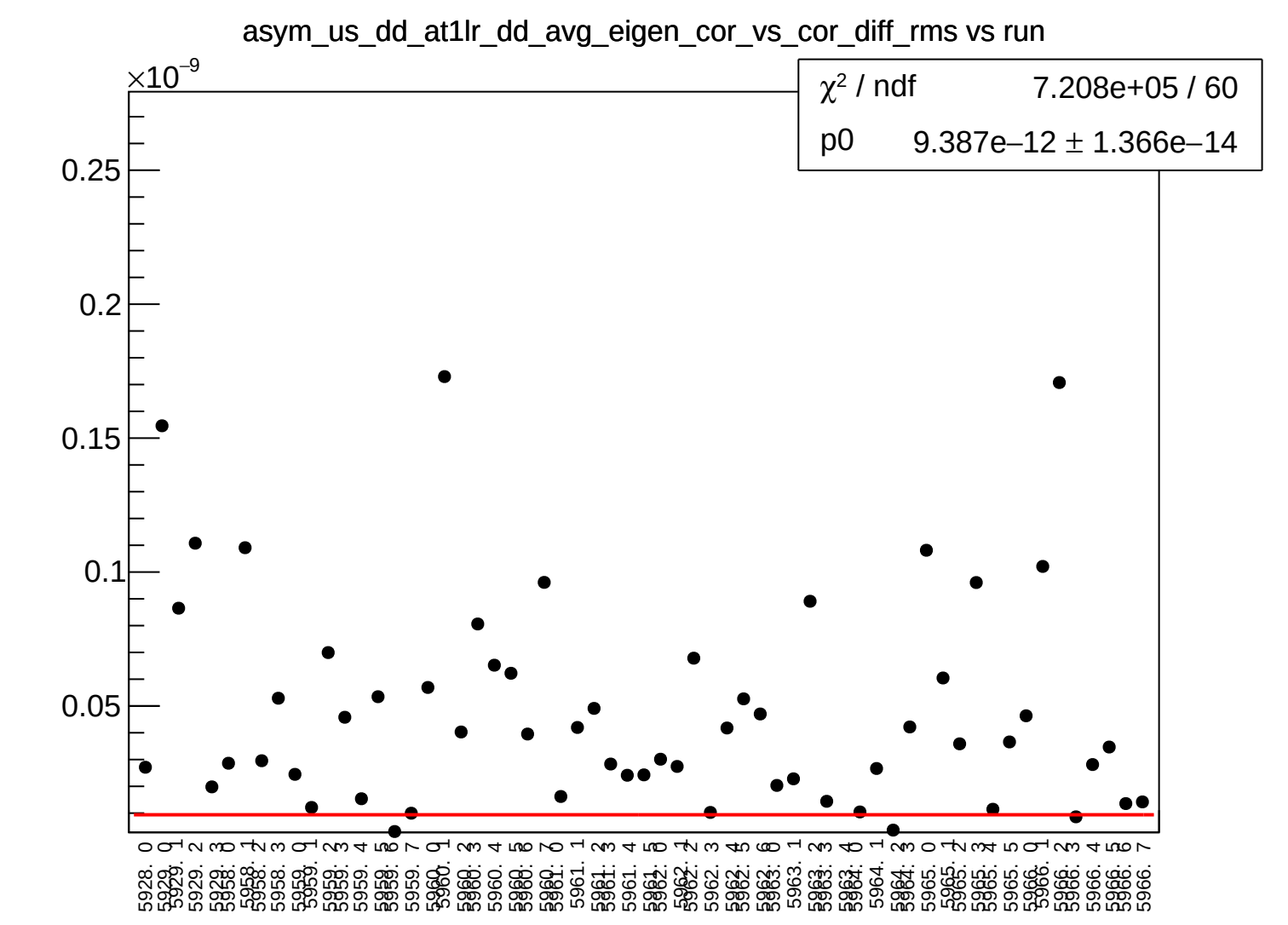

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.009e+05 / 60
p0 37.76 ± 0.03791
100
80
60
40
20

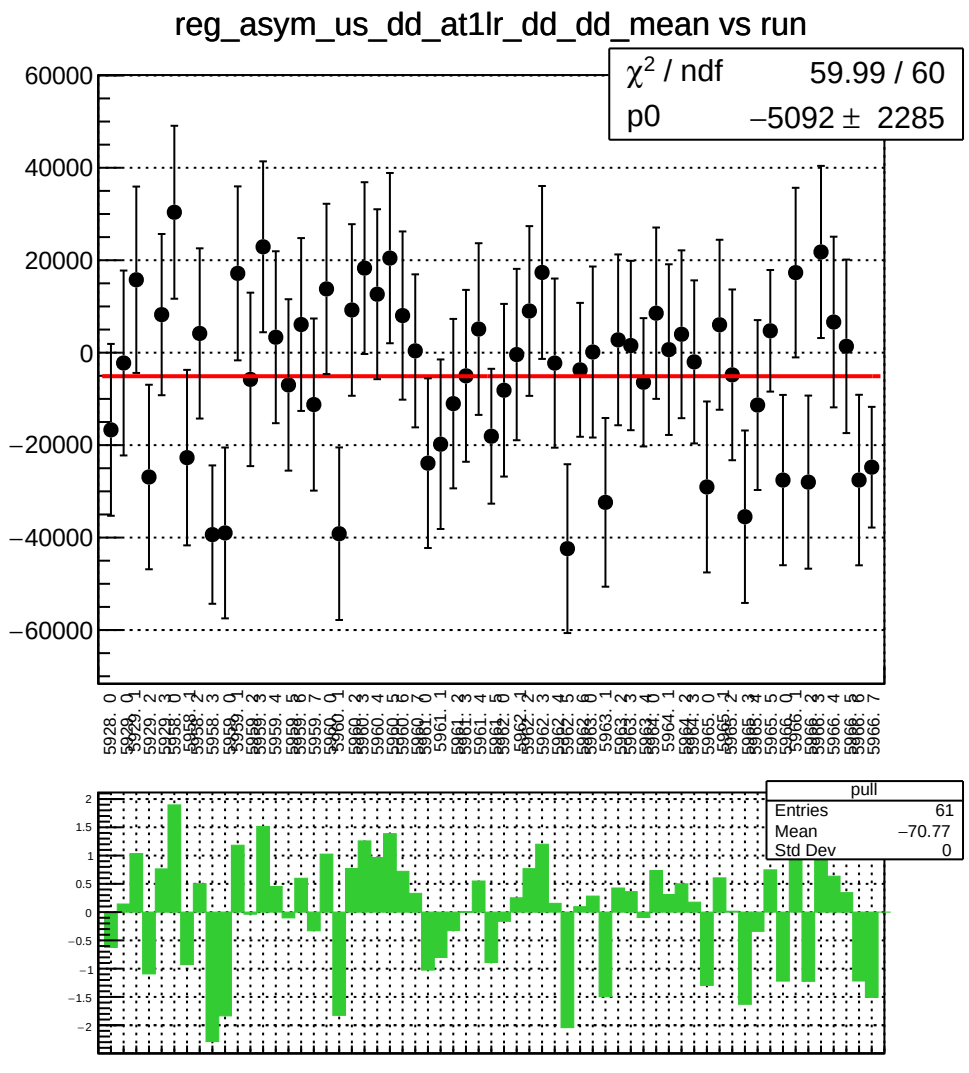

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 60
p0 −0.06152 ± 0.05362
pull
Entries 61
Mean 49.31
Std Dev 0
pull1D
Entries 61
Mean 0.03614
Std Dev 0.8973

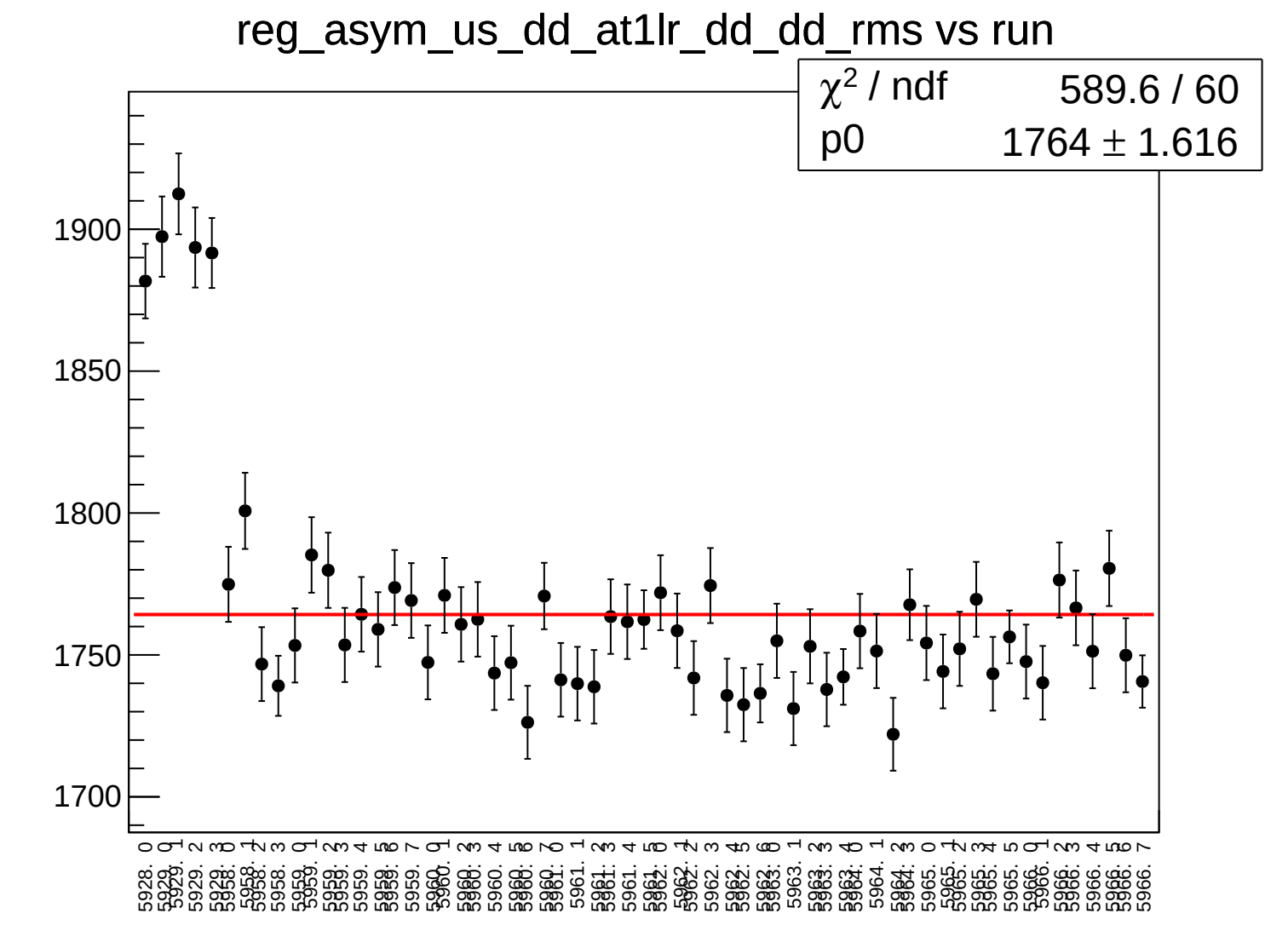

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.009e+05 / 60
p0 37.76 ± 0.03791
100
80
60
40
20

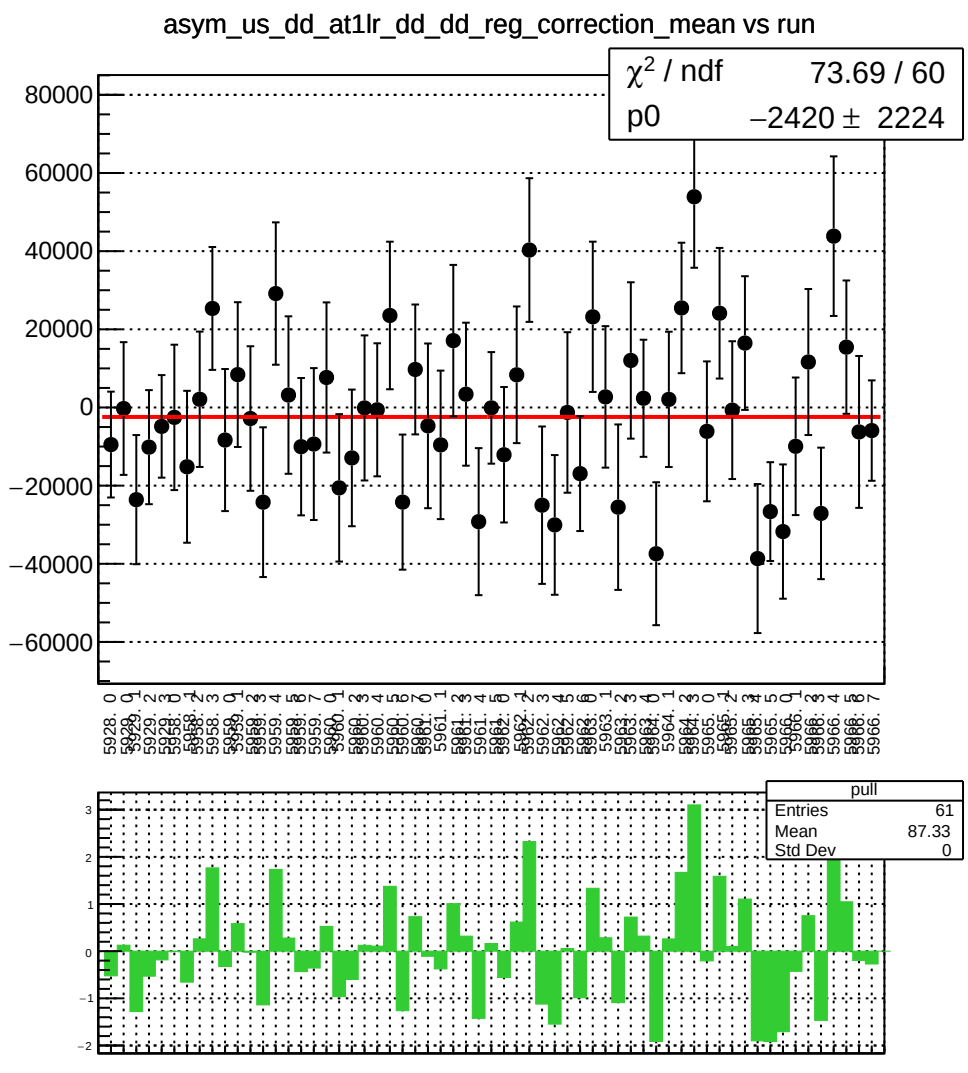

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.23 / 60
p0 1.701e−14 ± 1.932e−14
pull
Entries 61
Mean −141.7
Std Dev 0

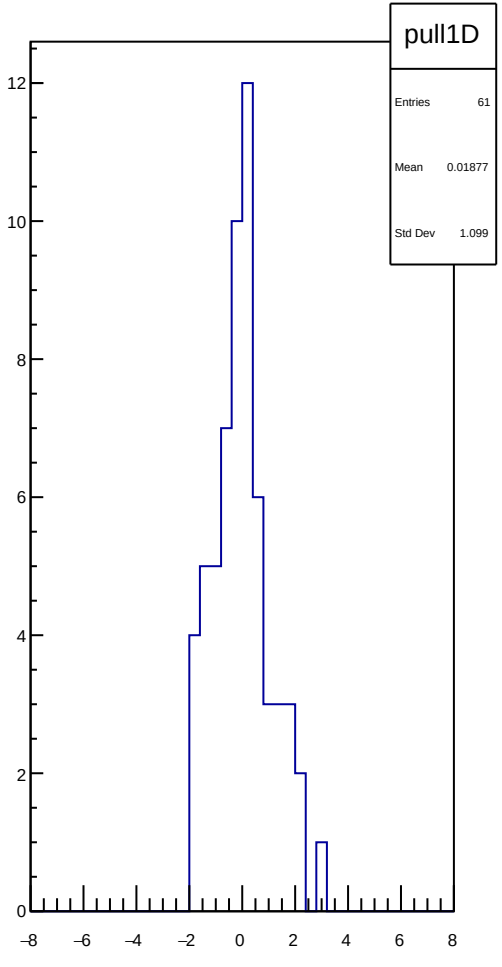

pull1D
Entries 61
Mean −0.03857
Std Dev 1.153

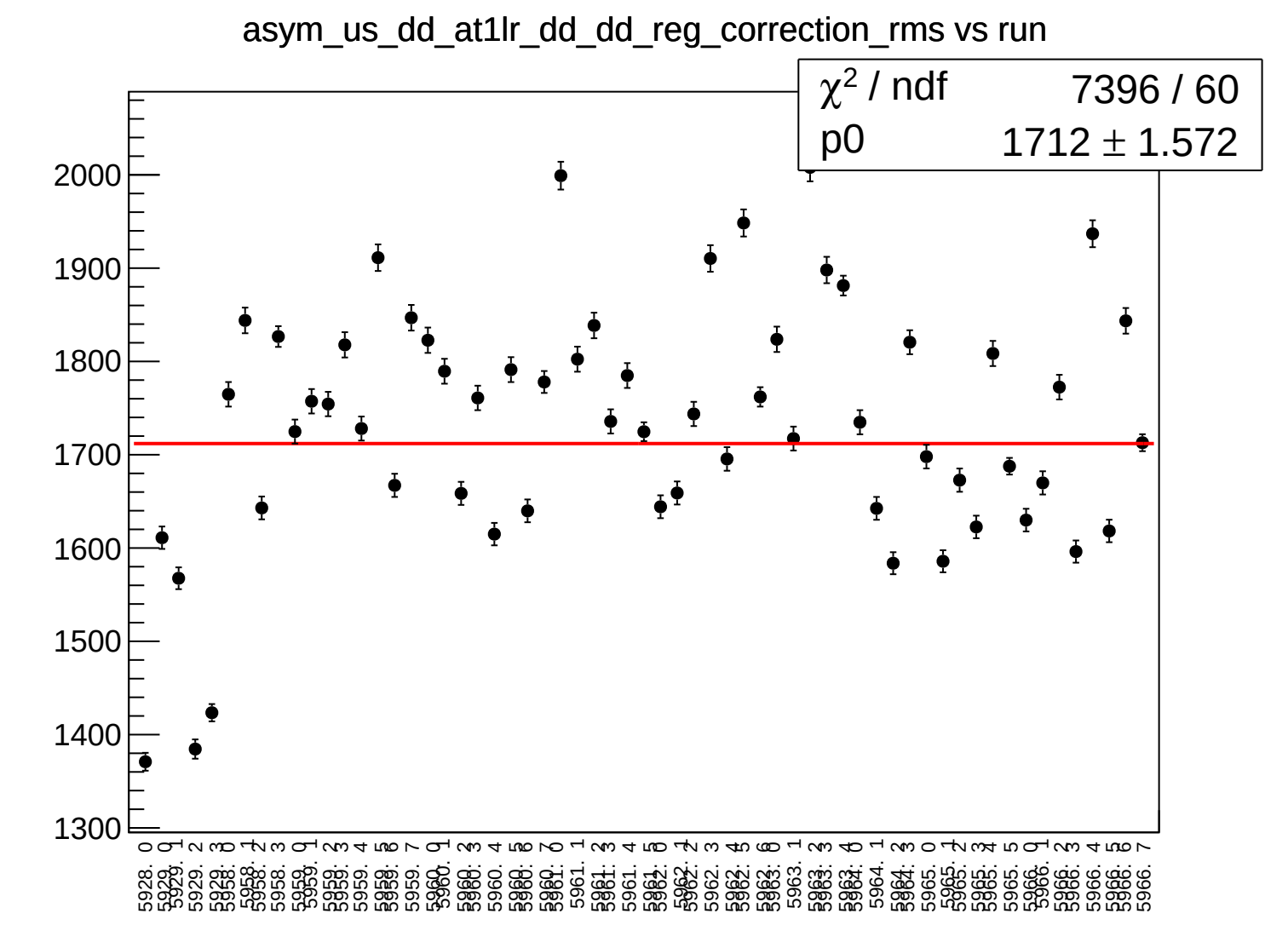

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.208e+05 / 60
p0 9.387e−12 ± 1.366e−14
0.25
0.2
0.15
0.1
0.05

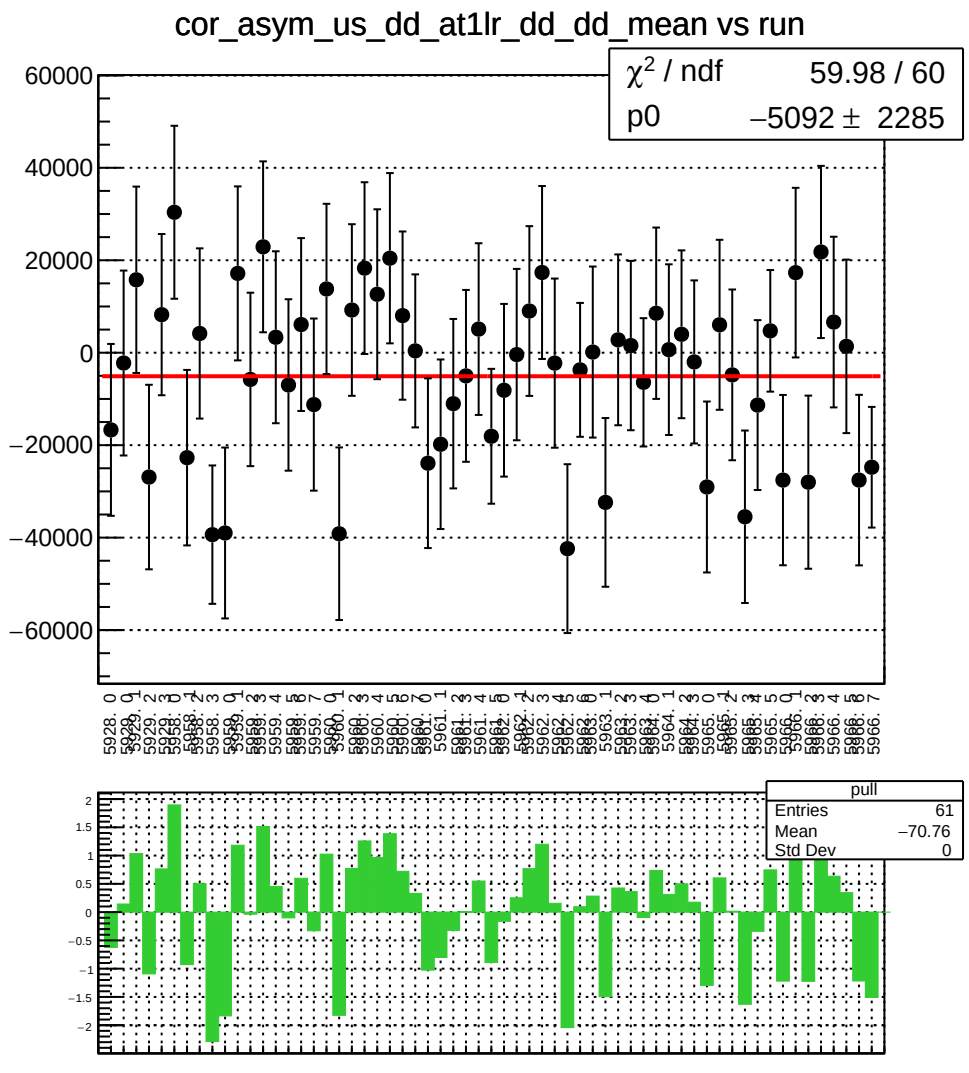

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.99 / 60
p0 −5092 ± 2285
pull
Entries 61
Mean −70.77
Std Dev 0
pull1D
Entries 61
Mean 0.01727
Std Dev 0.9915

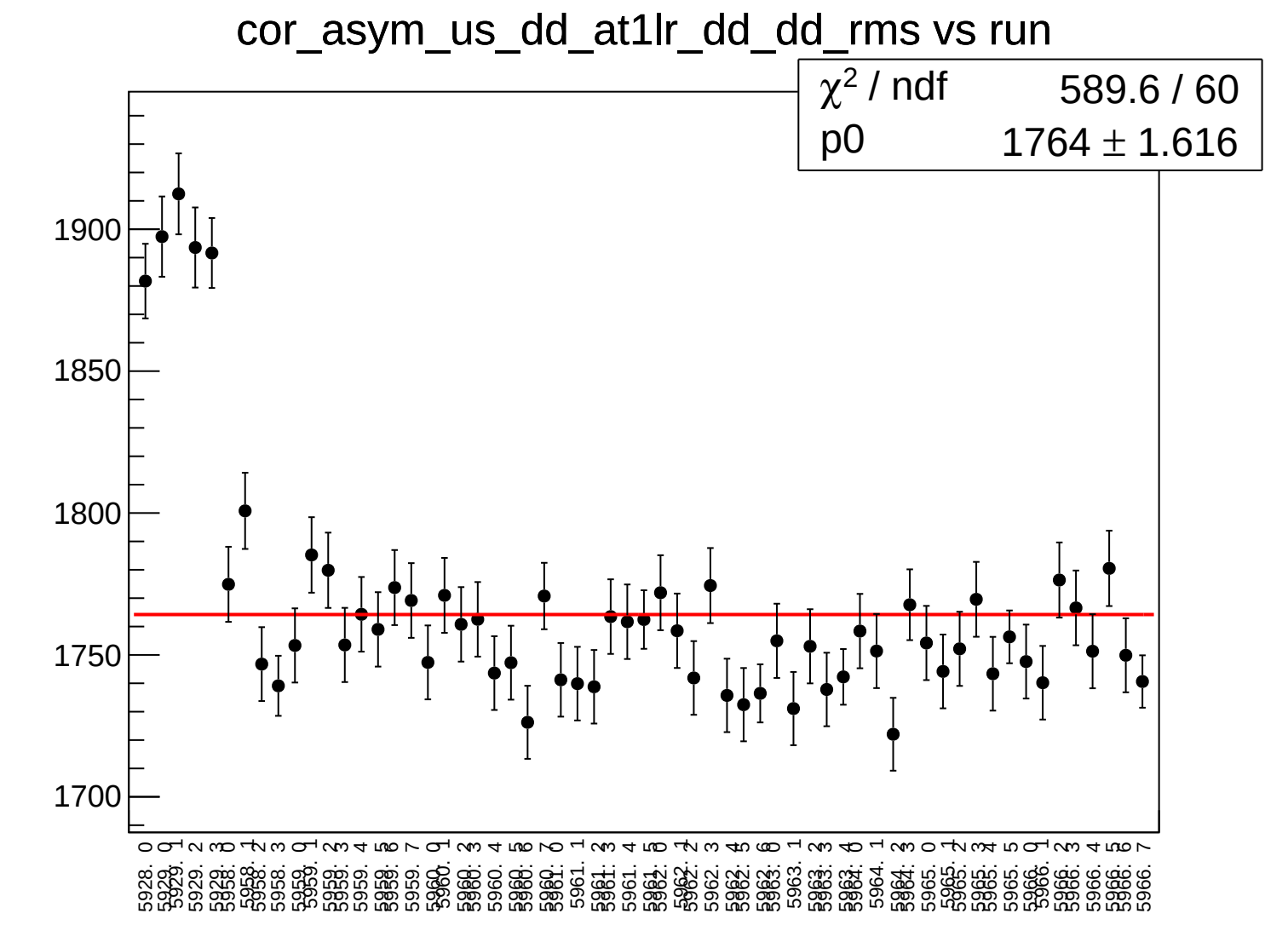

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 589.6 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

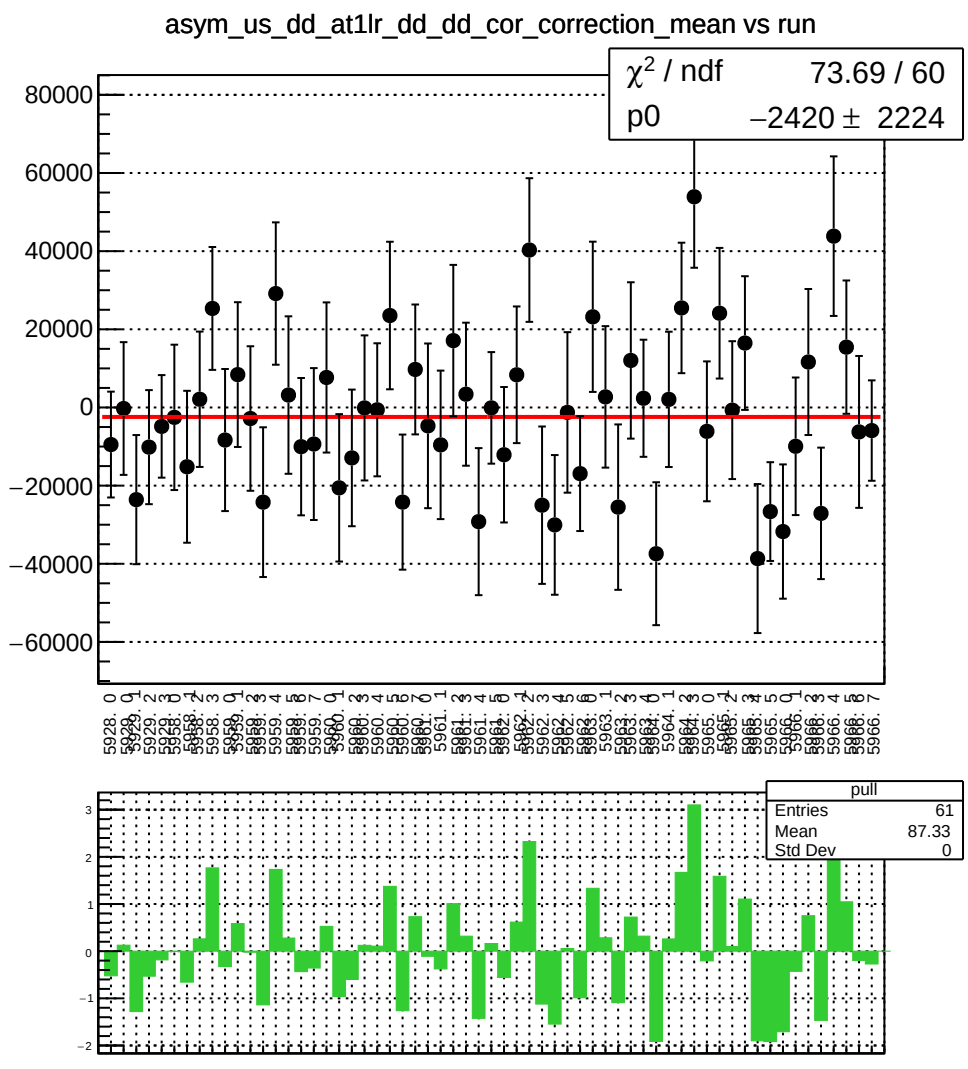

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 73.69 / 60
p0 −2420 ± 2224
pull
Entries 61
Mean 87.33
Std Dev 0

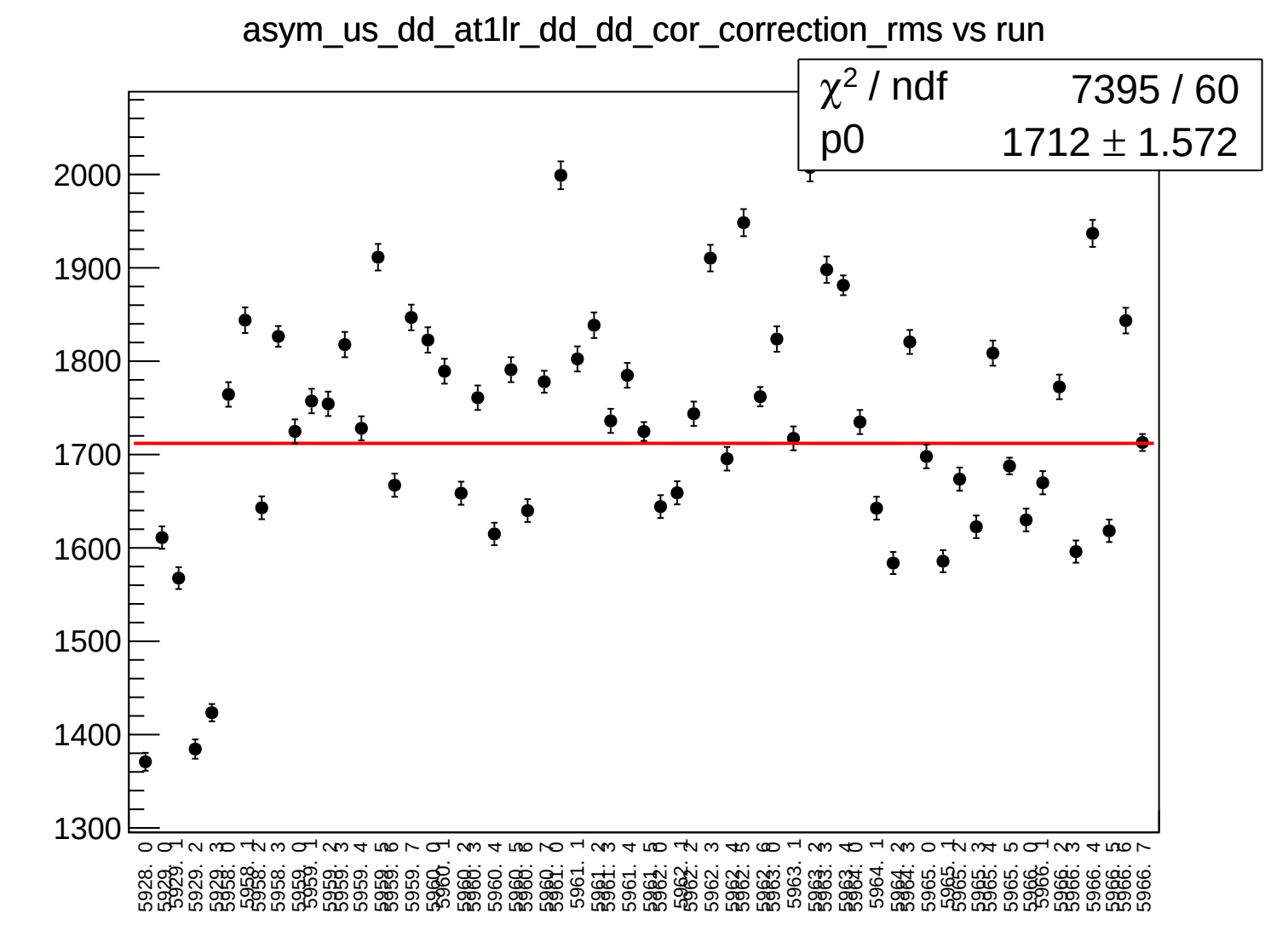

pull1D
Entries 61
Mean 0.01877
Std Dev 1.099

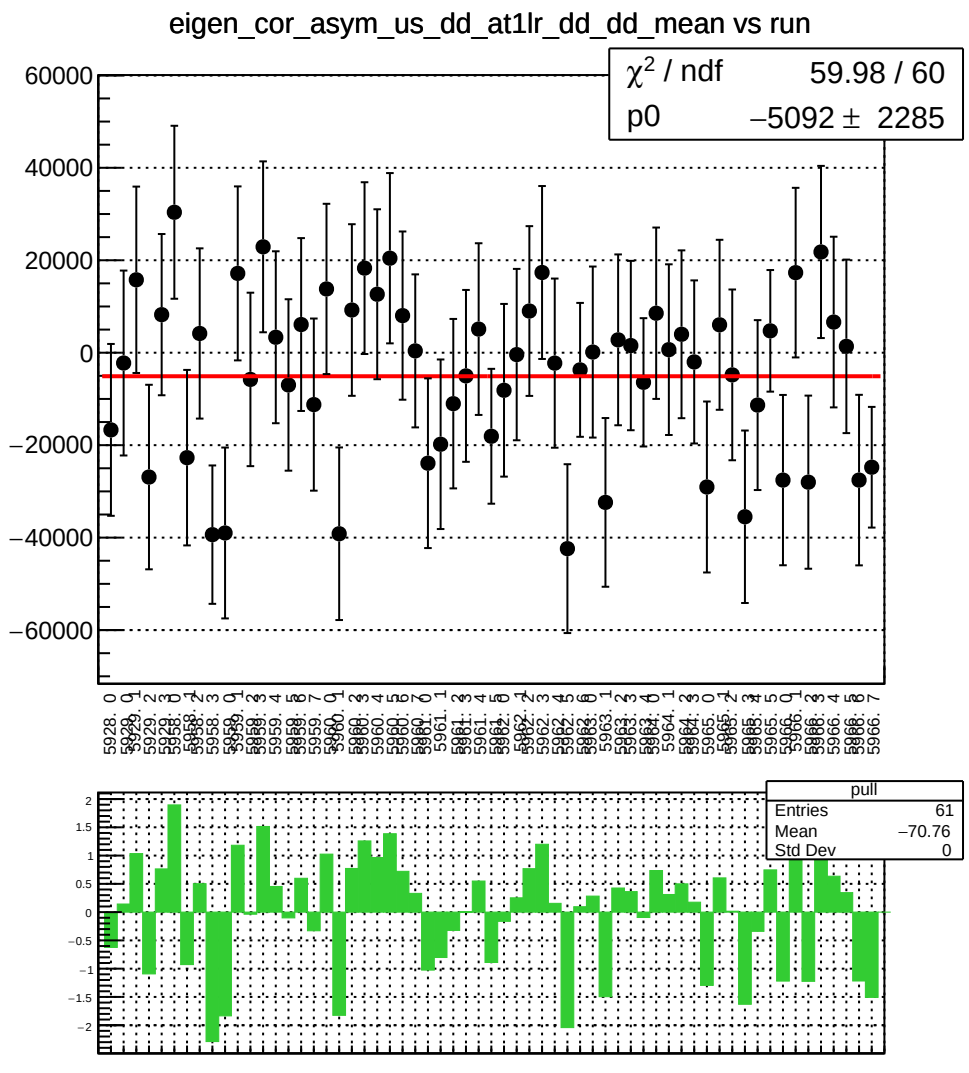

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 7396 / 60
p0 1712 ± 1.572
2000
1900
1800
1700
1600
1500
1400
1300

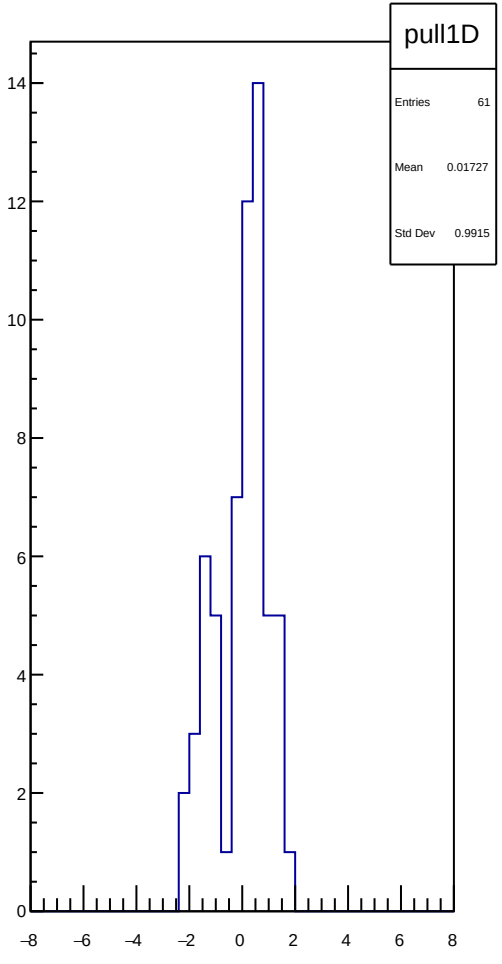

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.98 / 60
p0 −5092 ± 2285
pull
Entries 61
Mean −70.76
Std Dev 0
pull1D
Entries 61
Mean 0.01727
Std Dev 0.9915

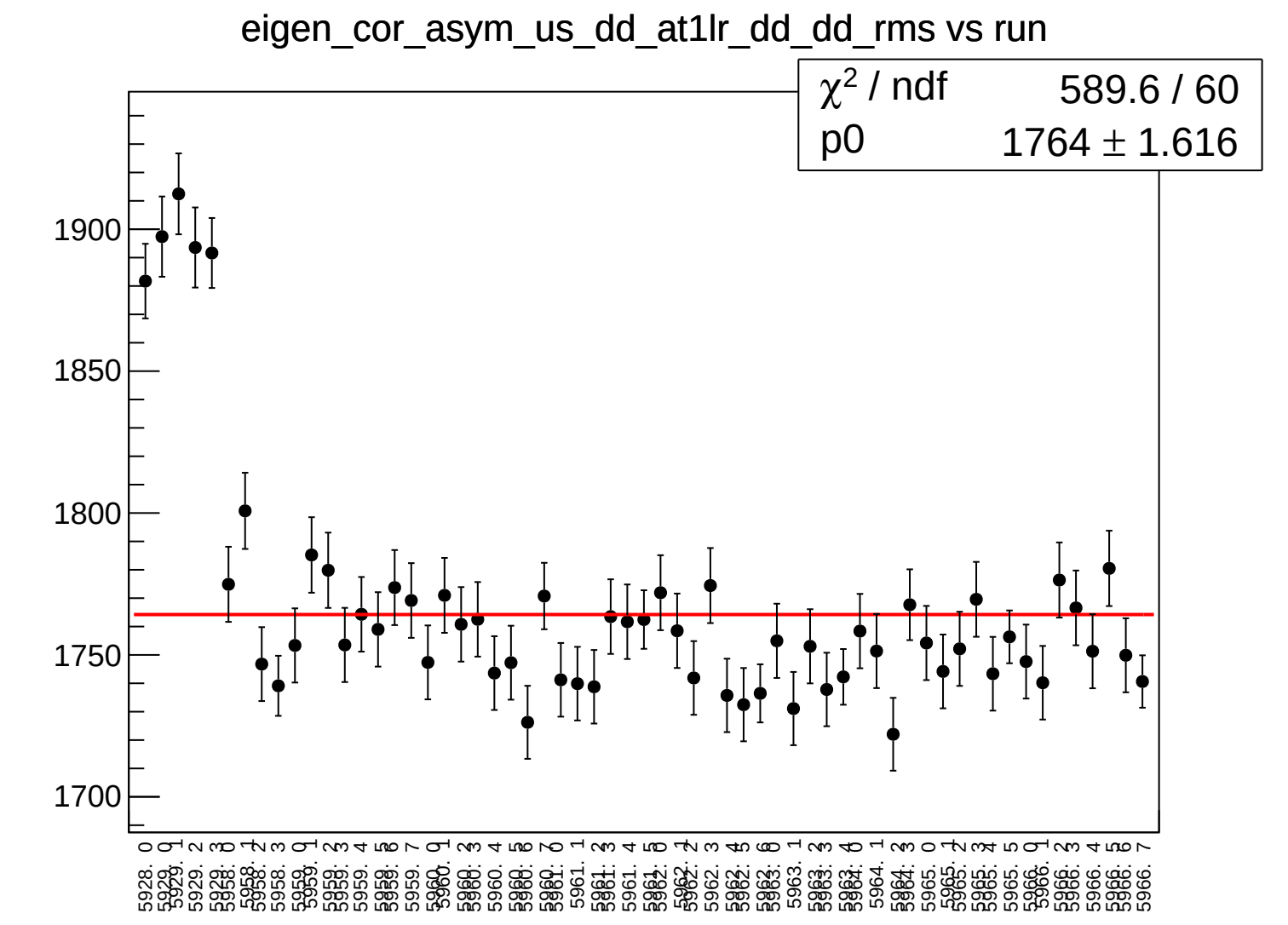

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 589.6 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

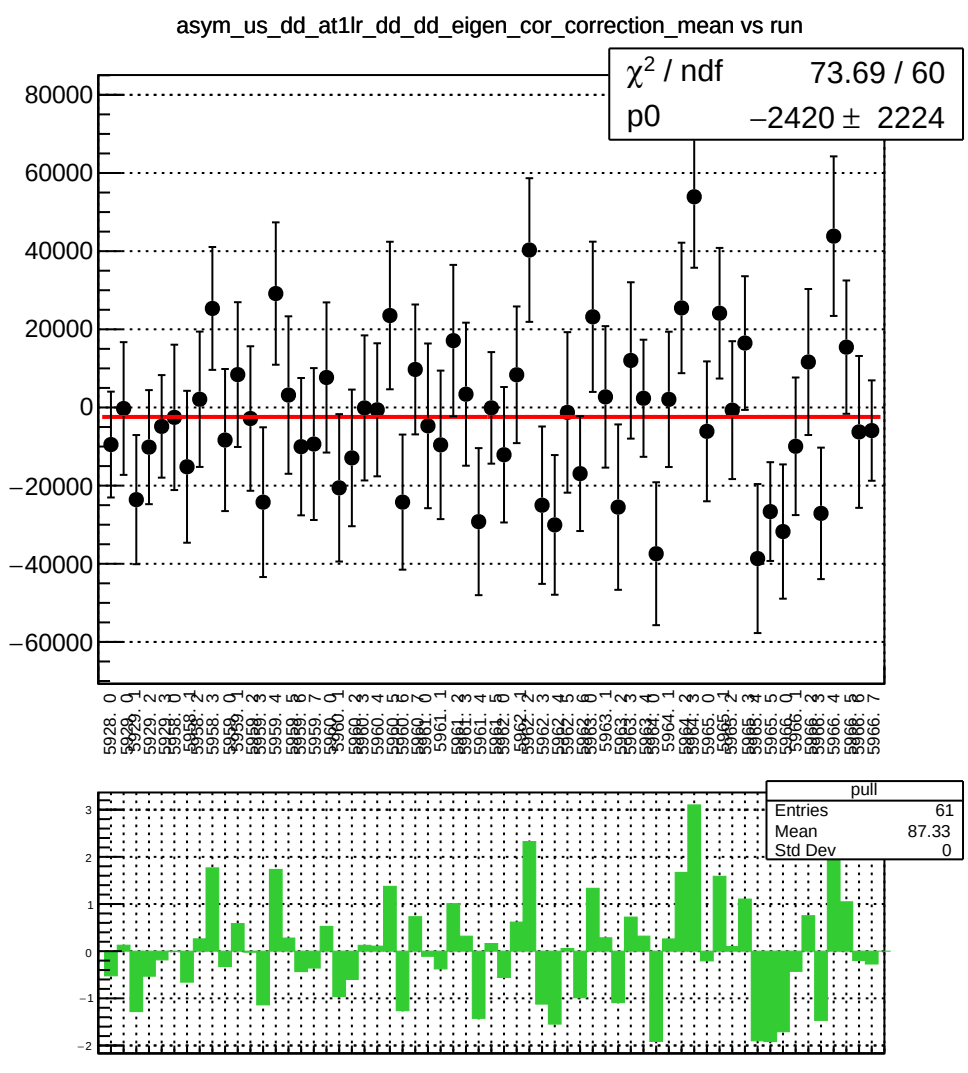

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 73.69 / 60
p0 −2420 ± 2224
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 87.33
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.01877
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

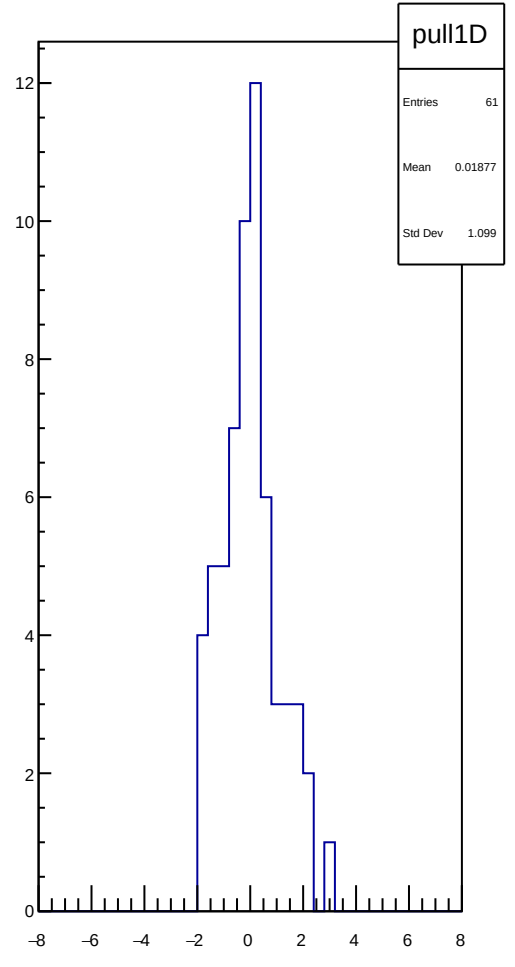

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 7395 / 60
p0 1712 ± 1.572
2000
1900
1800
1700
1600
1500
1400
1300

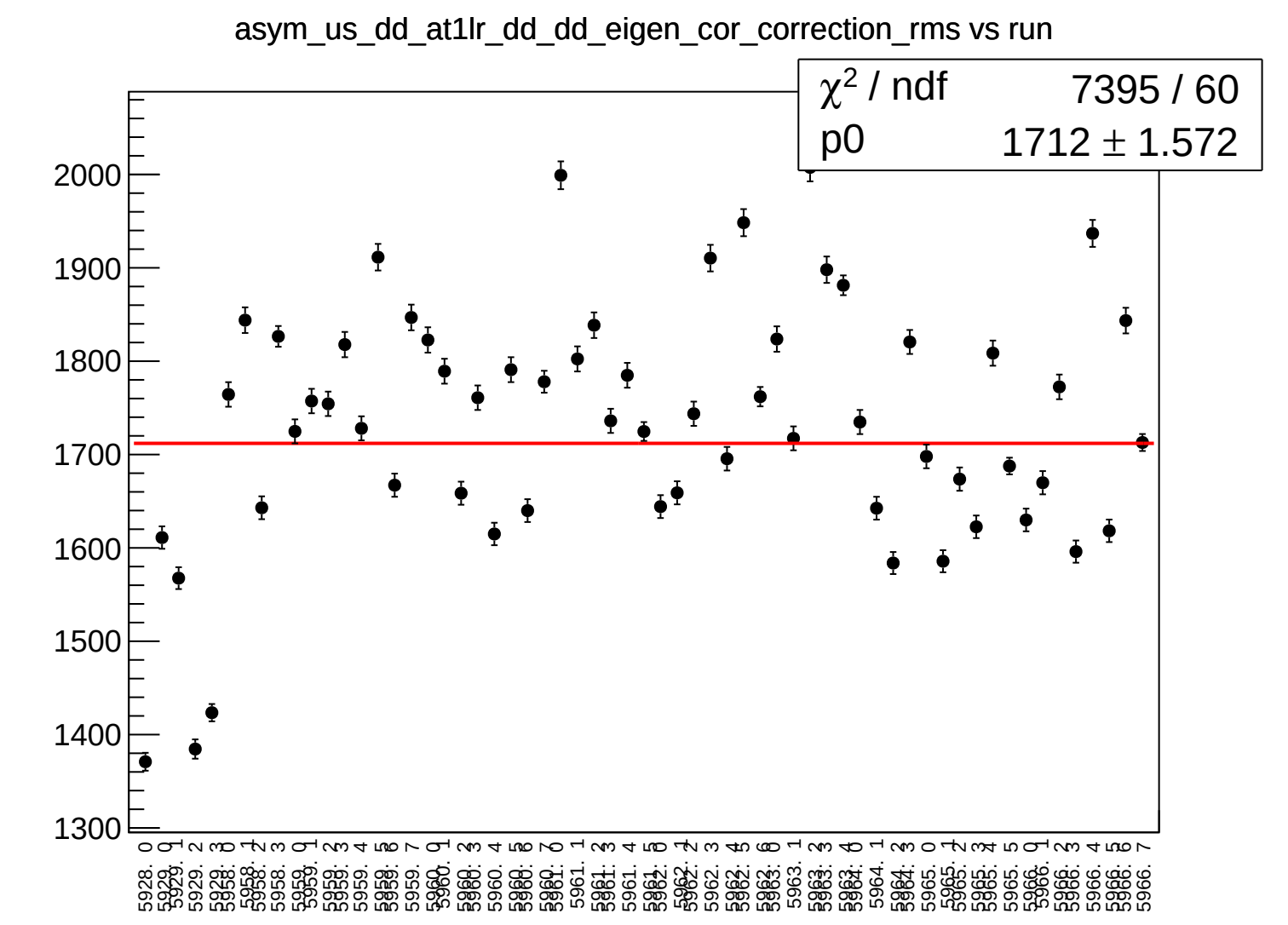

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.98 / 60
p0 −5092 ± 2285
pull
Entries 61
Mean −70.76
Std Dev 0

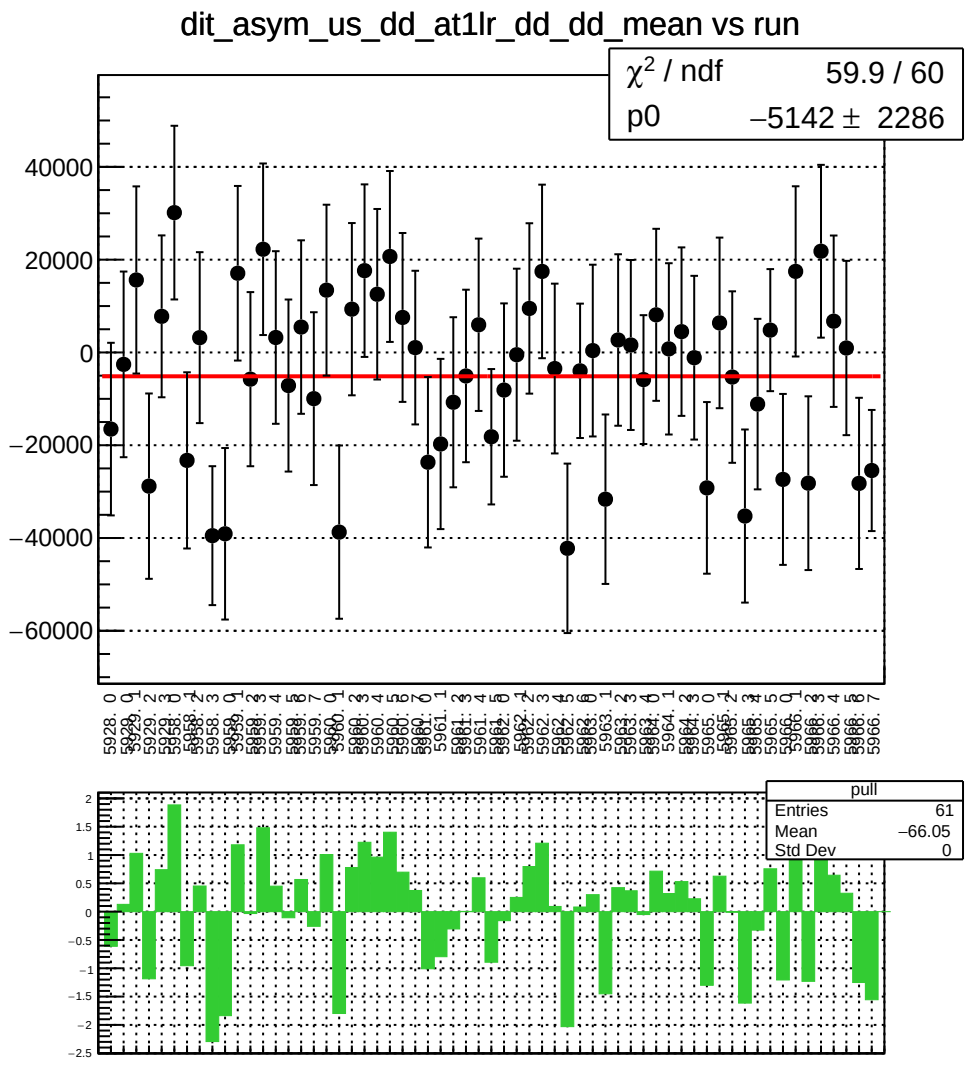

pull1D
Entries 61
Mean 0.01727
Std Dev 0.9915

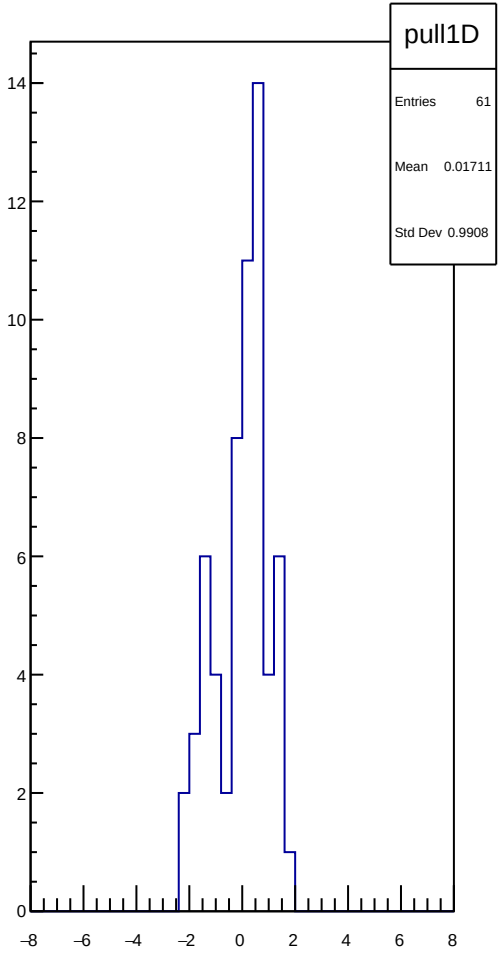

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 589.6 / 60
p0 1764 ± 1.616
1900
1850
1800
1750
1700

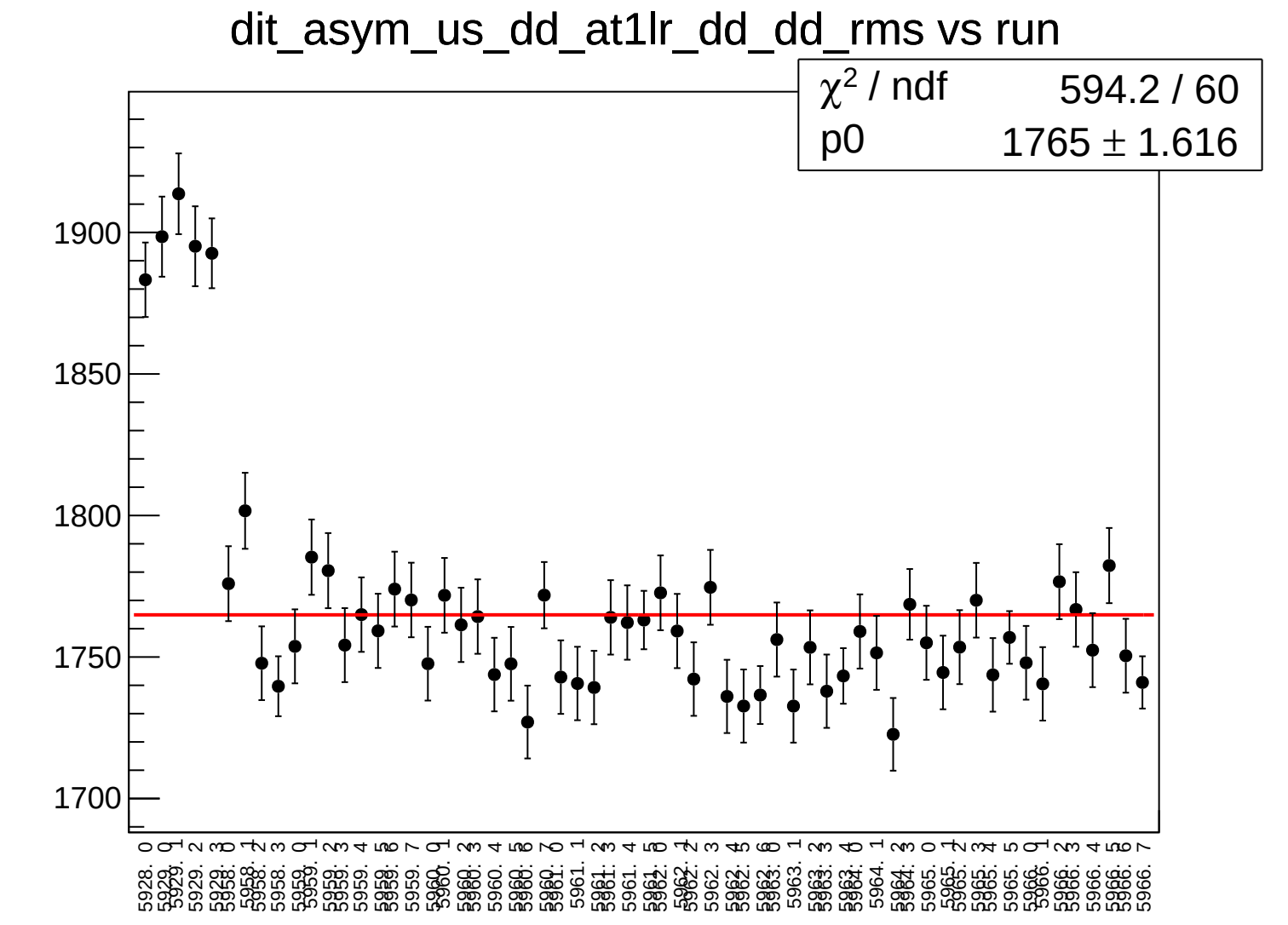

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.69 / 60
p0 −2420 ± 2224
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 87.33
Std Dev 0
3
2
1
0
−1
−2

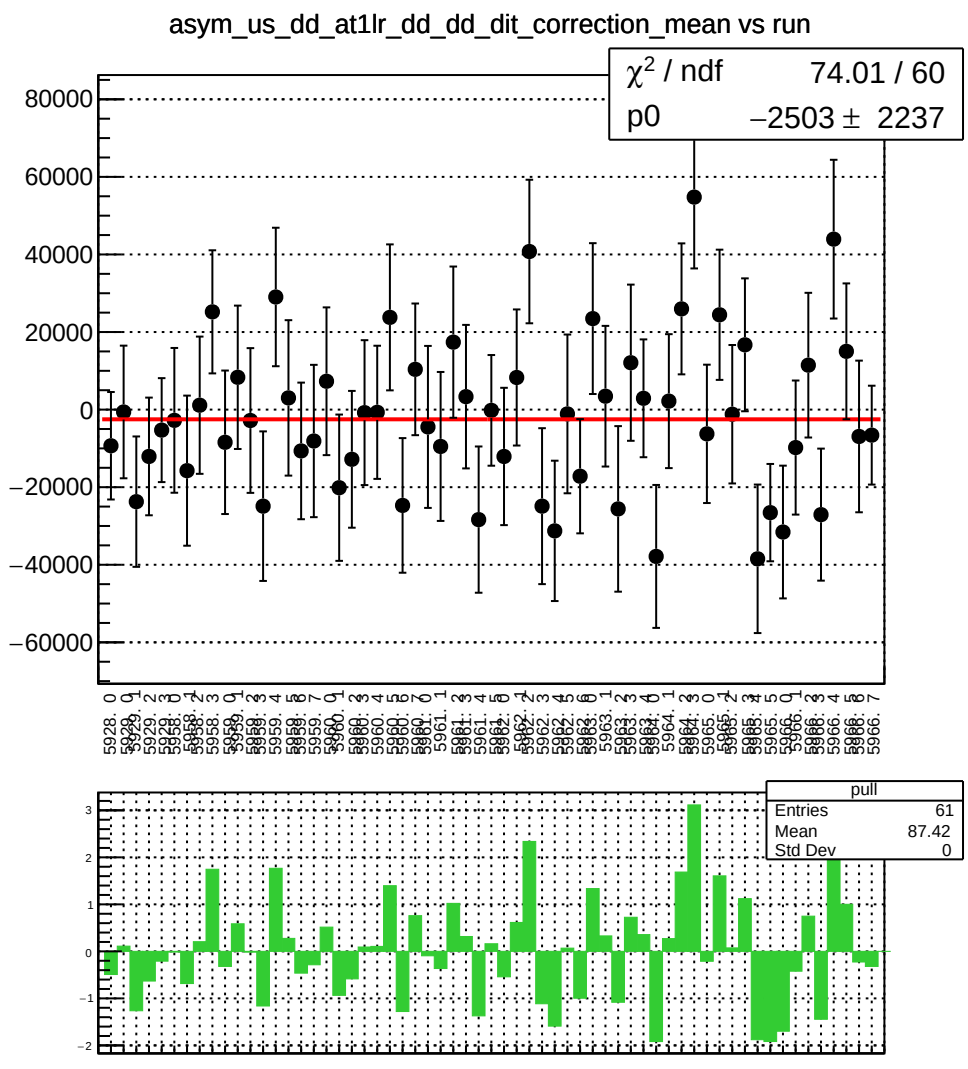

pull1D
Entries 61
Mean 0.01877
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

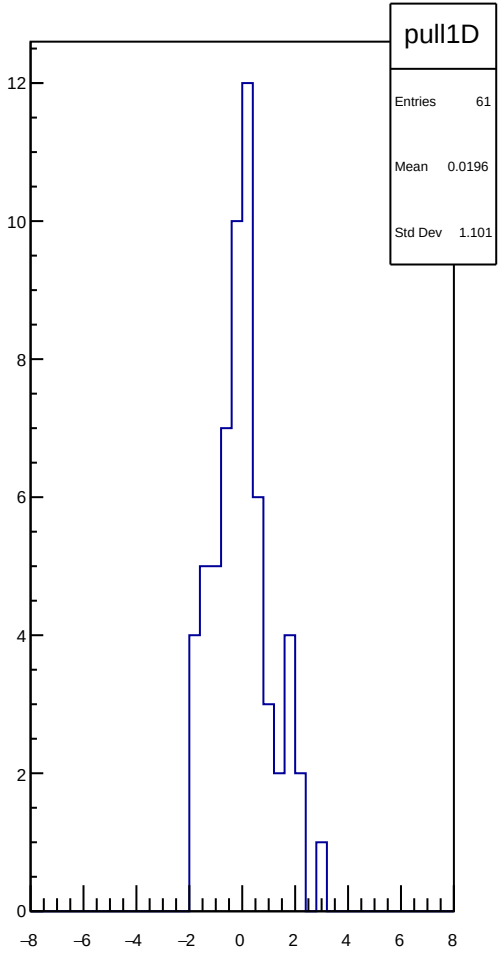

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7395 / 60
p0 1712 ± 1.572
2000
1900
1800
1700
1600
1500
1400
1300

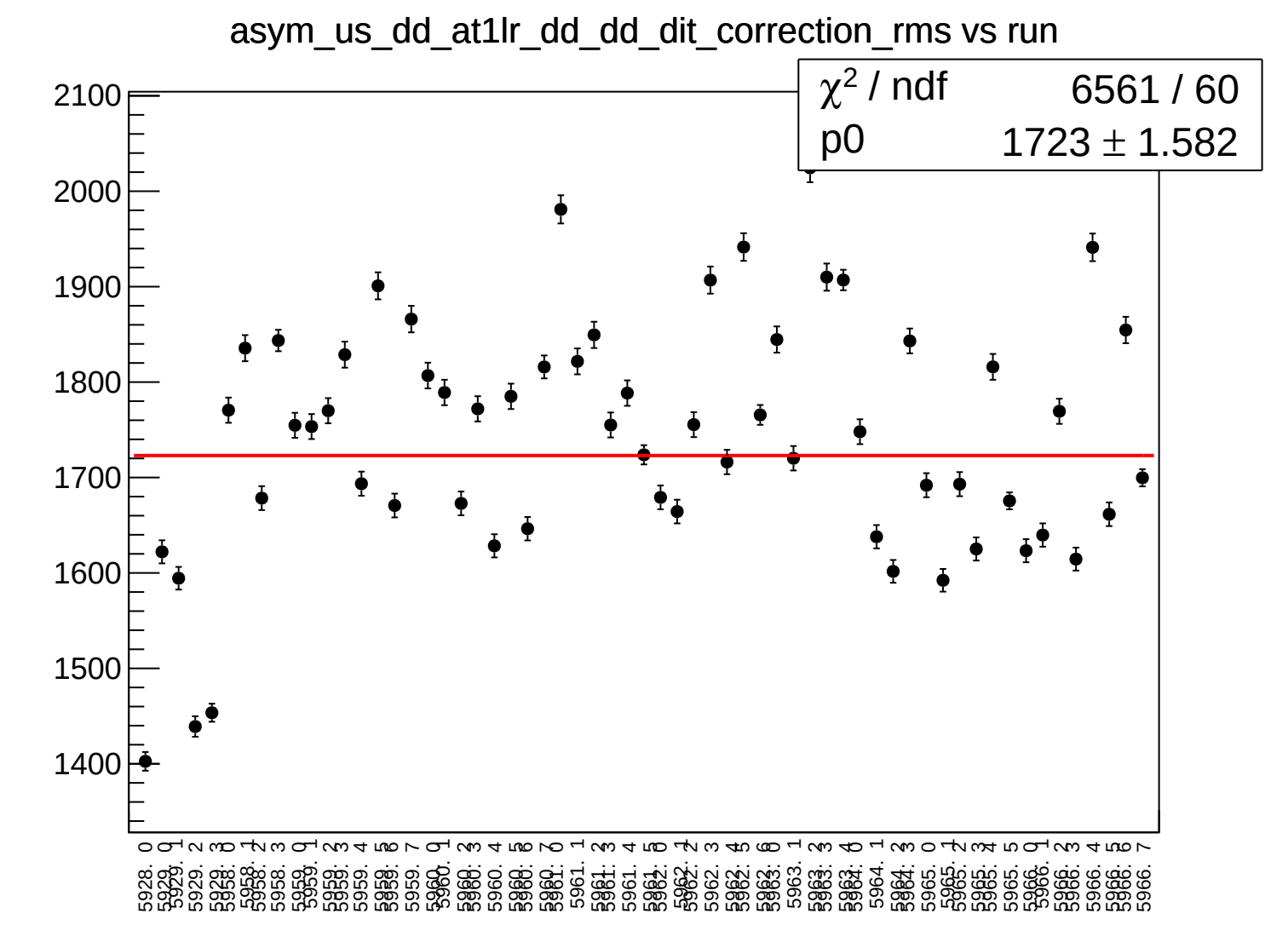

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.9 / 60
p0 −5142 ± 2286
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −66.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

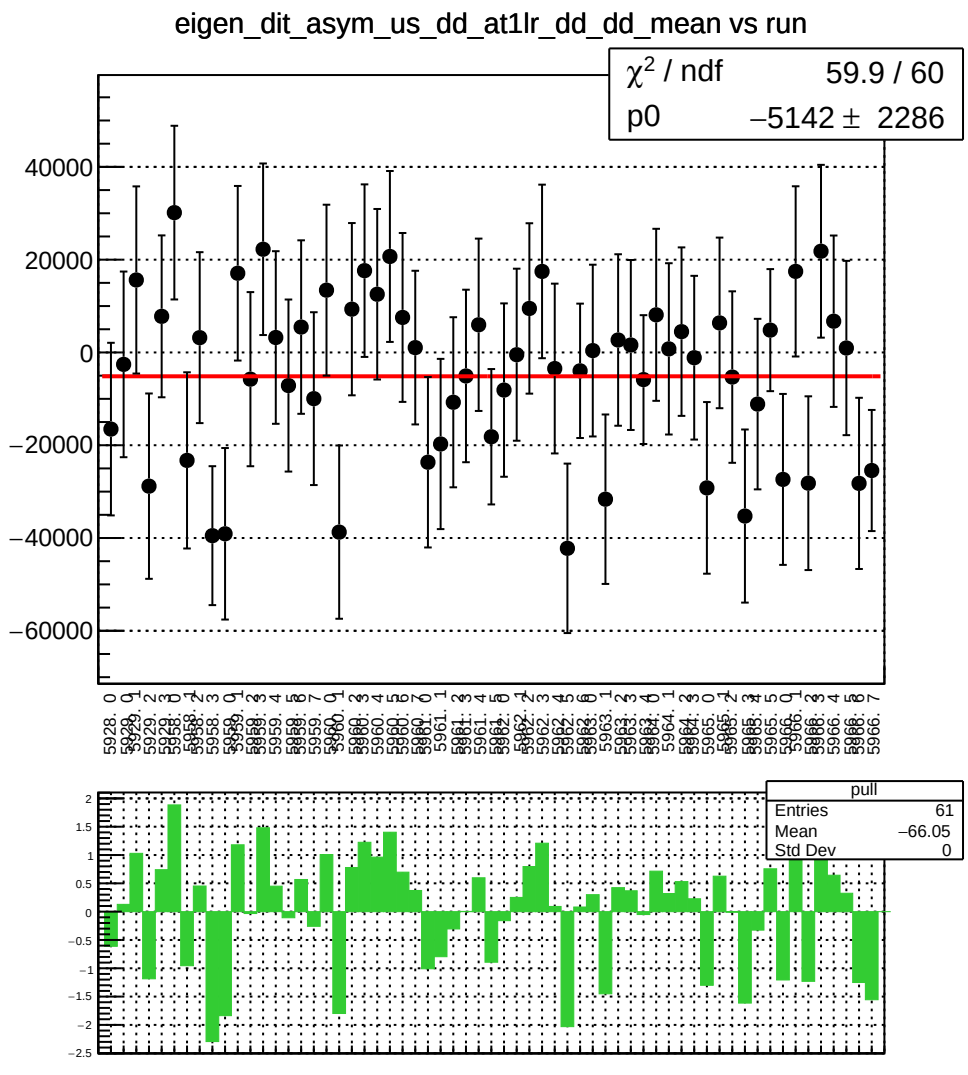

pull1D
Entries 61
Mean 0.01711
Std Dev 0.9908
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

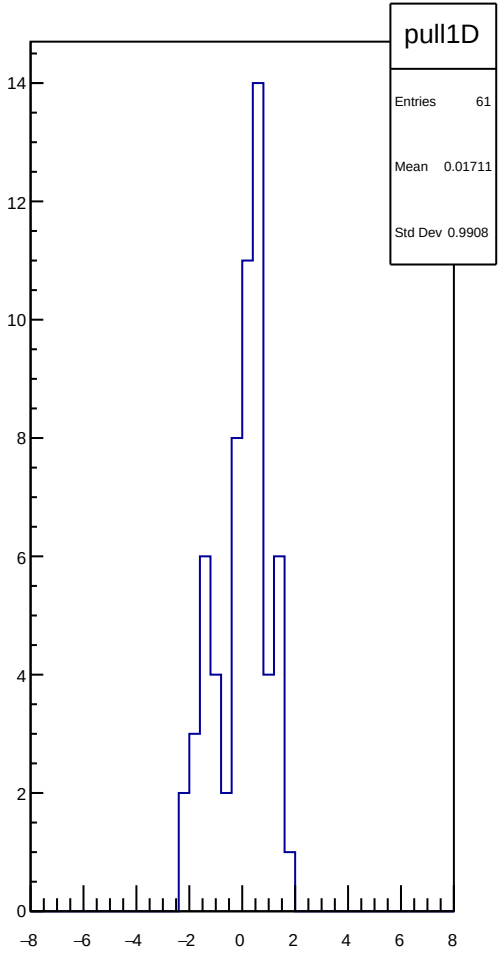

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 594.2 / 60
p0 1765 ± 1.616
1900
1850
1800
1750
1700

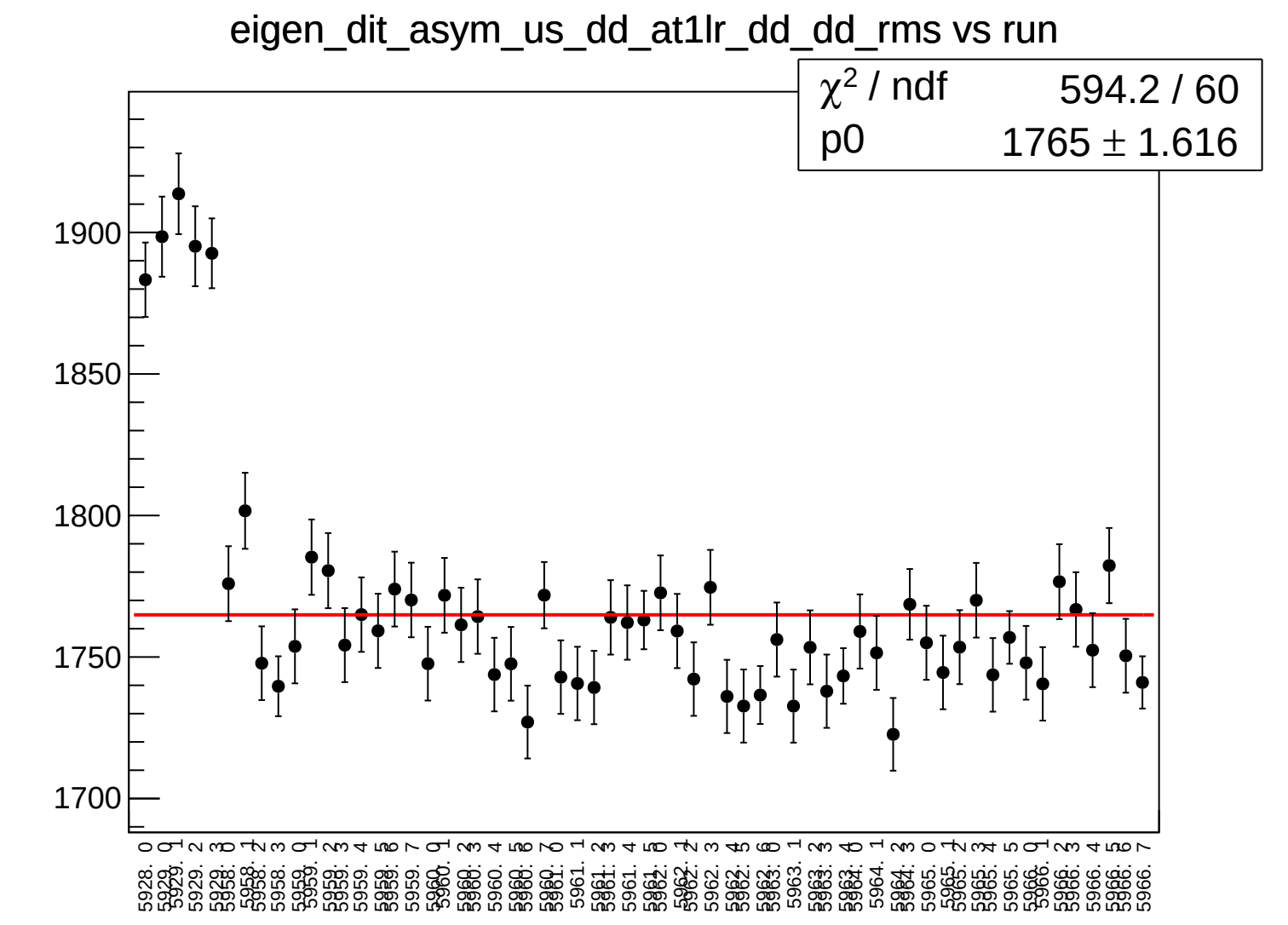

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 74.01 / 60
p0 −2503 ± 2237
pull
Entries 61
Mean 87.42
Std Dev 0

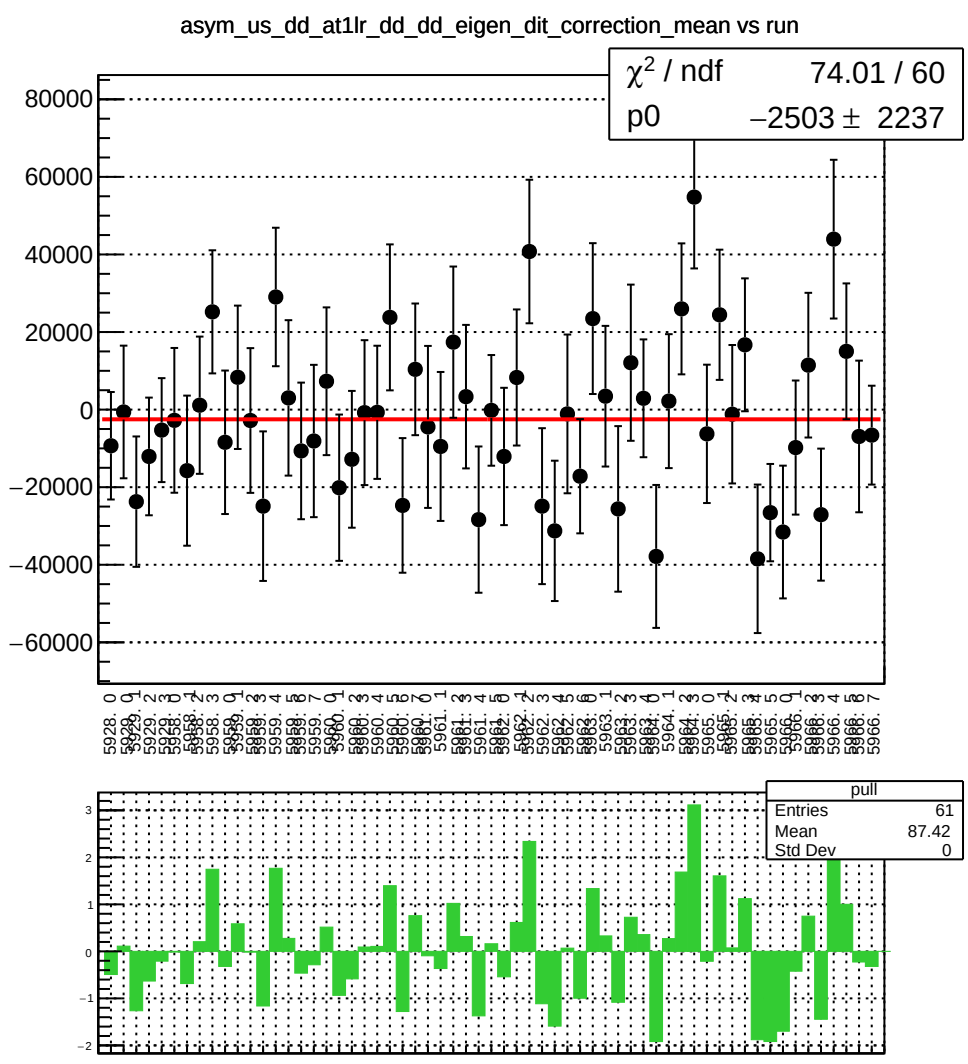

pull1D
Entries 61
Mean 0.0196
Std Dev 1.101

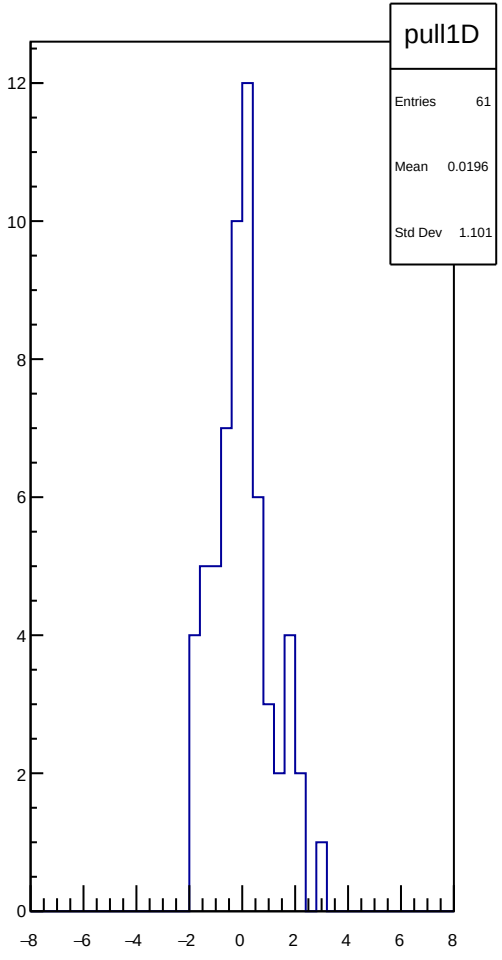

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 6561 / 60
p0 1723 ± 1.582
2100
2000
1900
1800
1700
1600
1500
1400

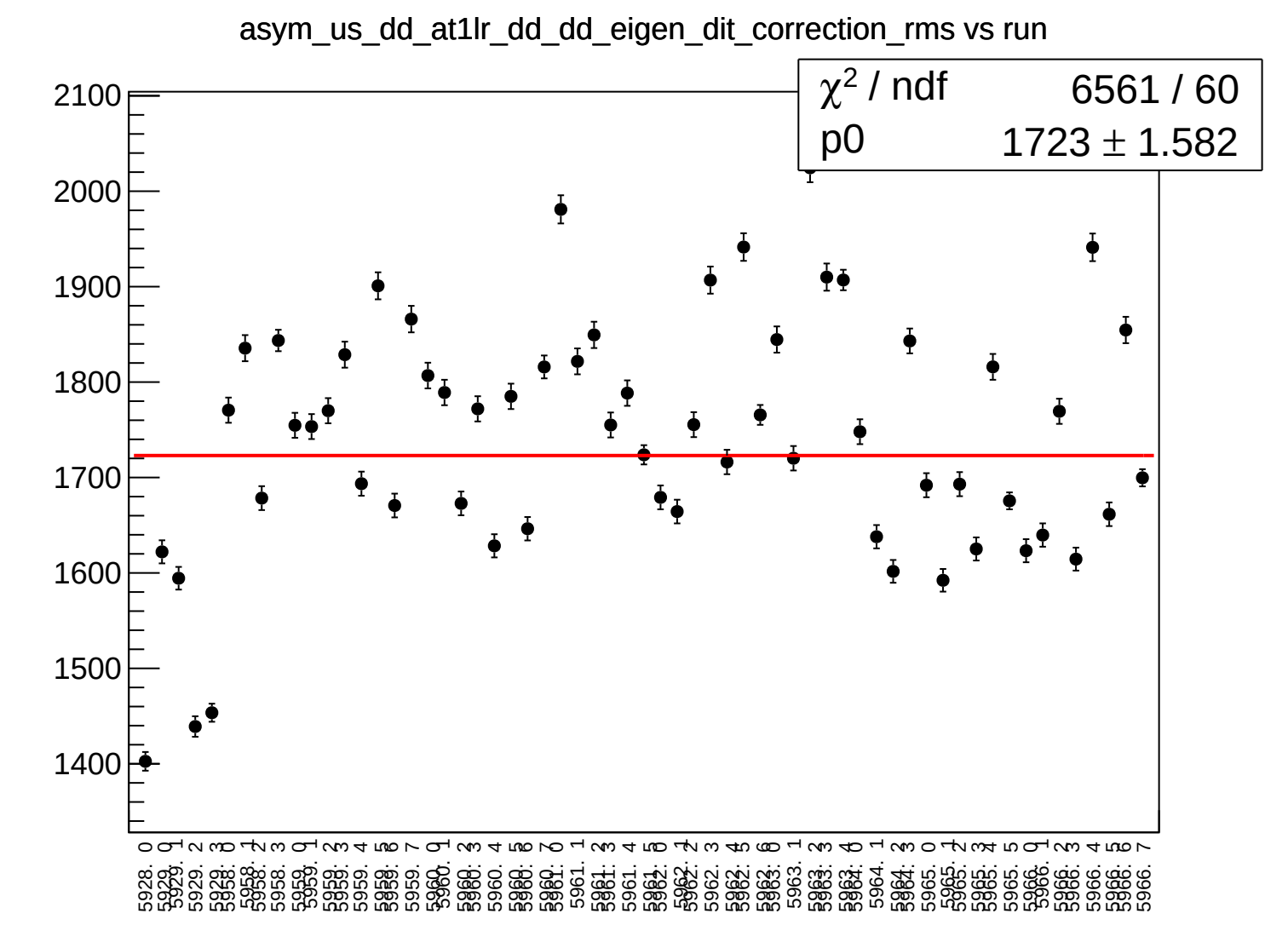

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 59.9 / 60
p0 −5142 ± 2286
pull
Entries 61
Mean −66.05
Std Dev 0

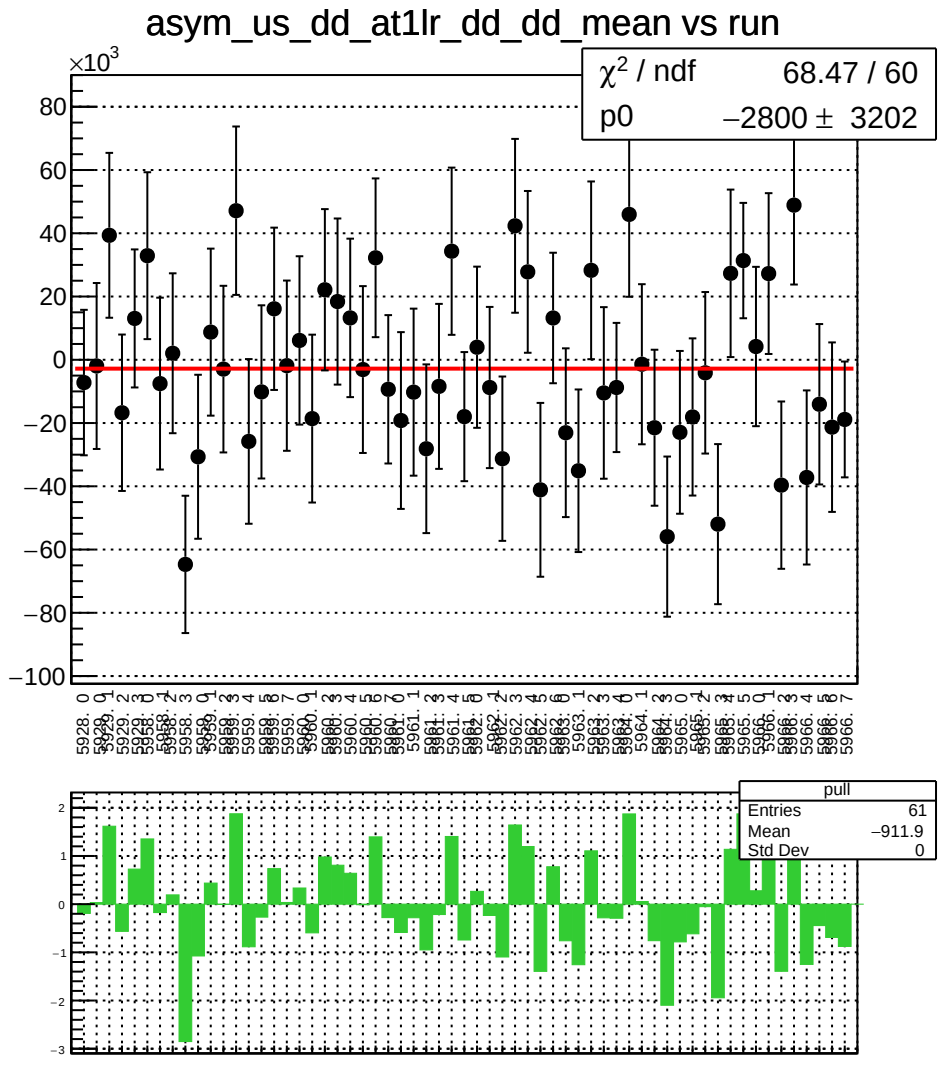

pull1D
Entries 61
Mean 0.01711
Std Dev 0.9908

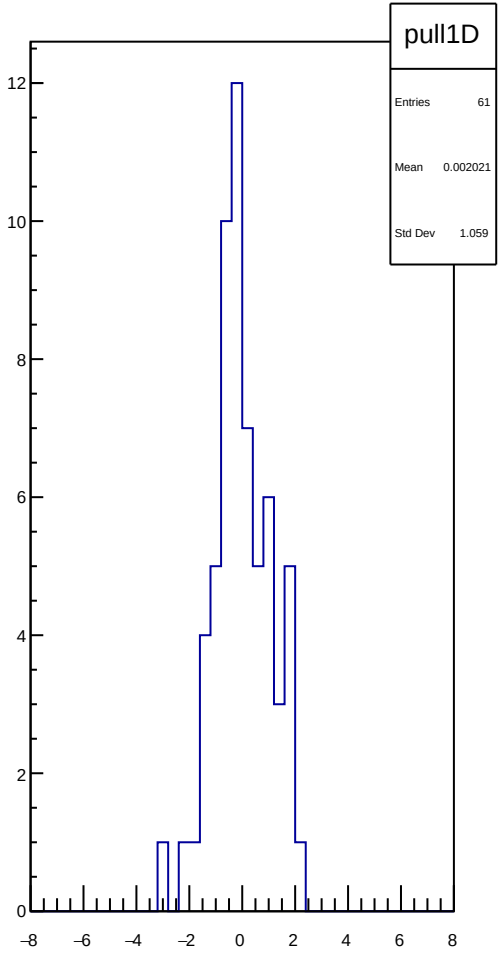

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 594.2 / 60
p0 1765 ± 1.616
1900
1850
1800
1750
1700

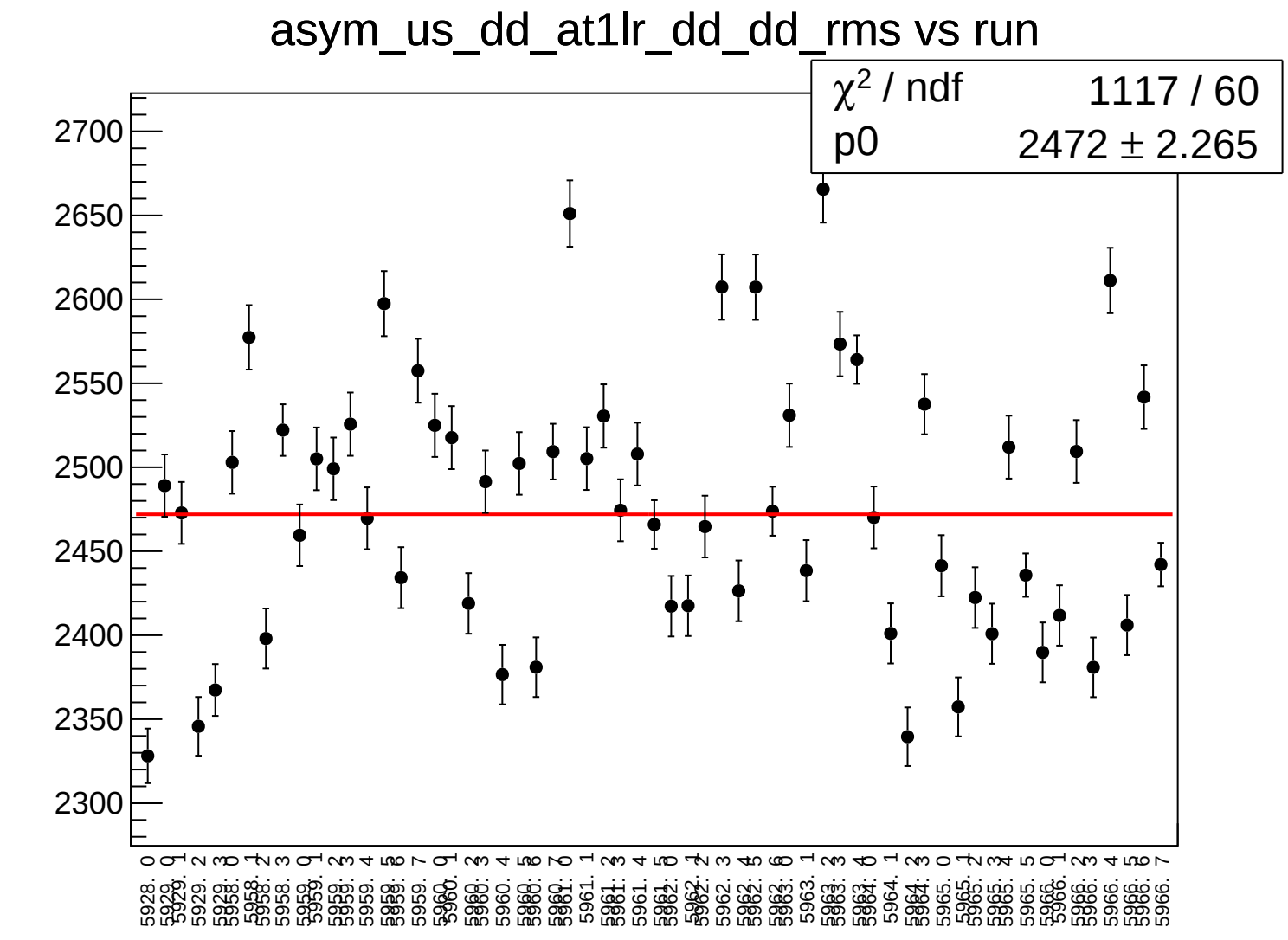

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.01 / 60
p0 −2503 ± 2237
pull
Entries 61
Mean 87.42
Std Dev 0

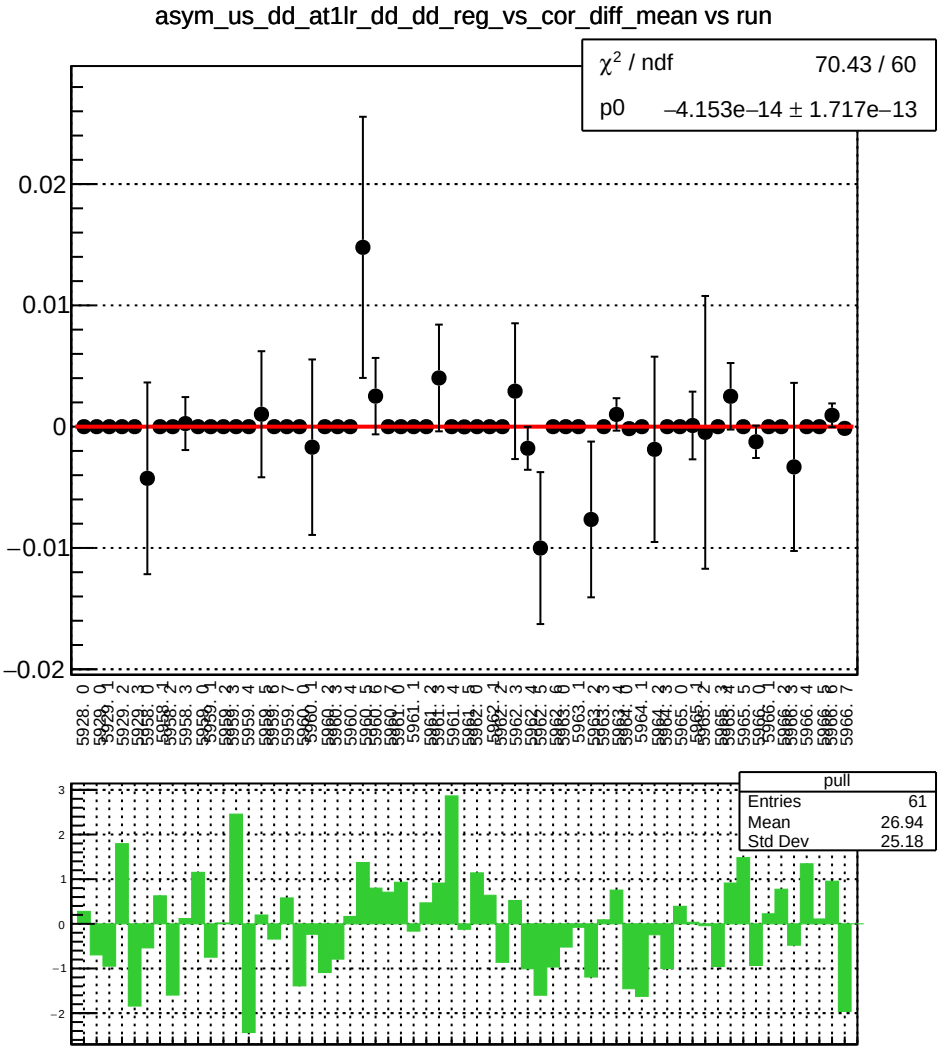

pull1D
Entries 61
Mean 0.0196
Std Dev 1.101

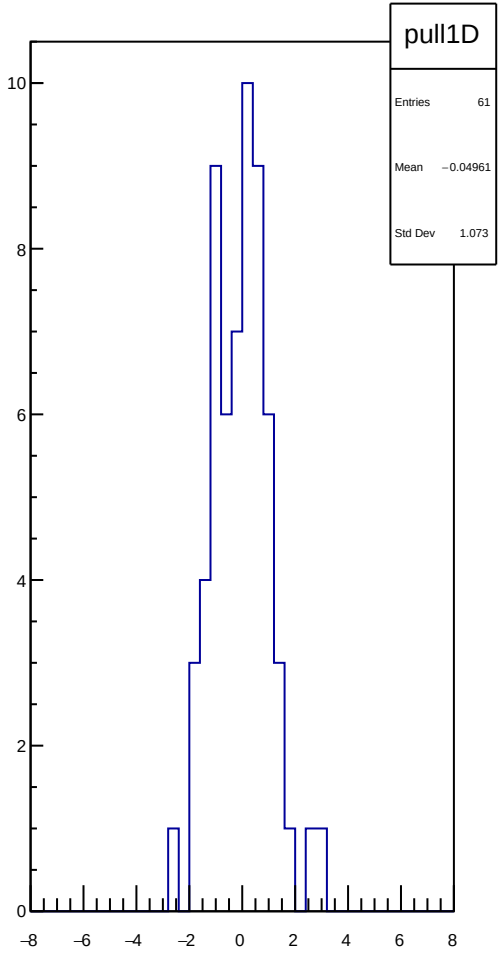

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6561 / 60
p0 1723 ± 1.582
2100
2000
1900
1800
1700
1600
1500
1400

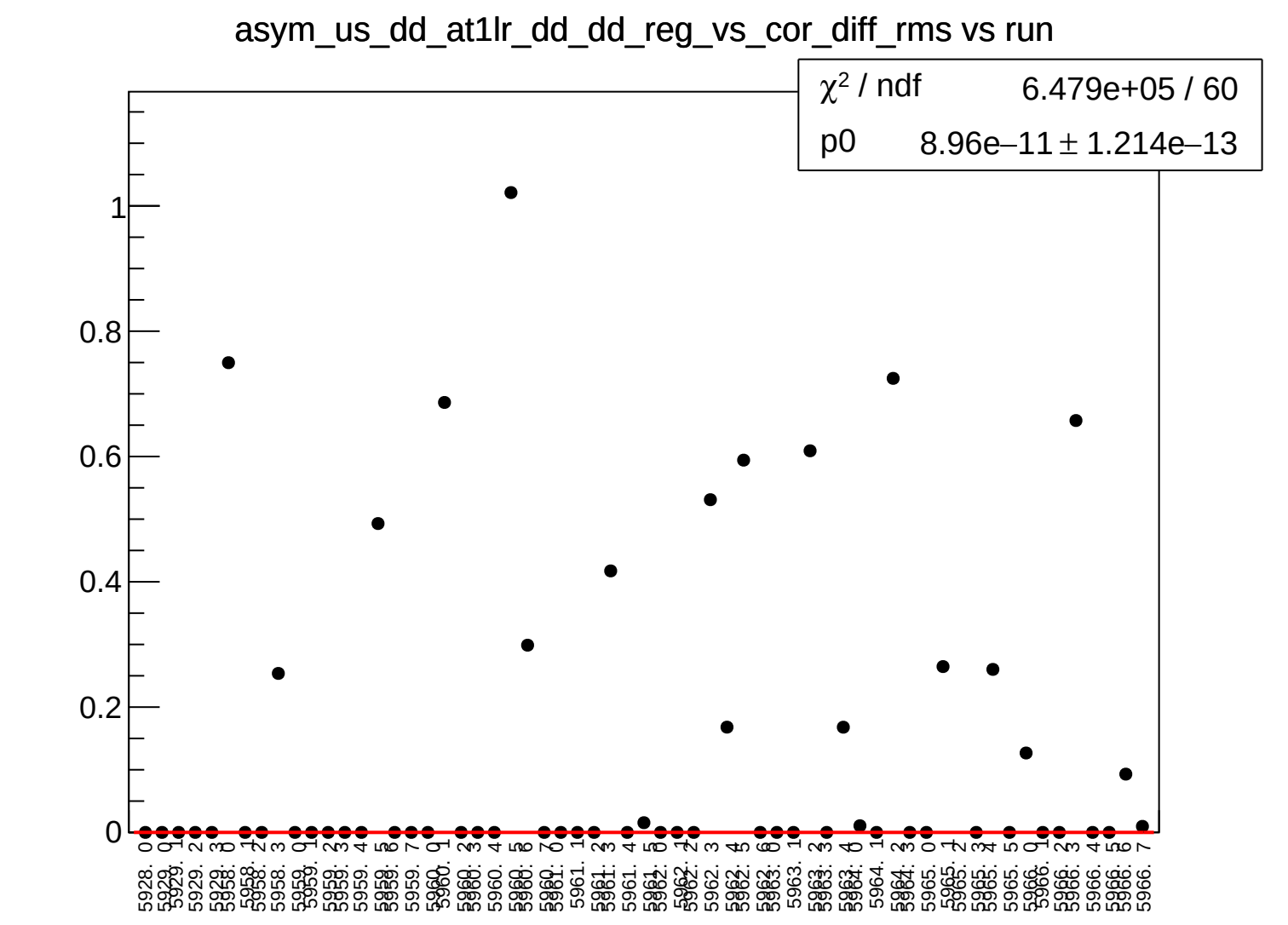

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 68.47 / 60
p0 −2800 ± 3202
pull
Entries 61
Mean −911.9
Std Dev 0

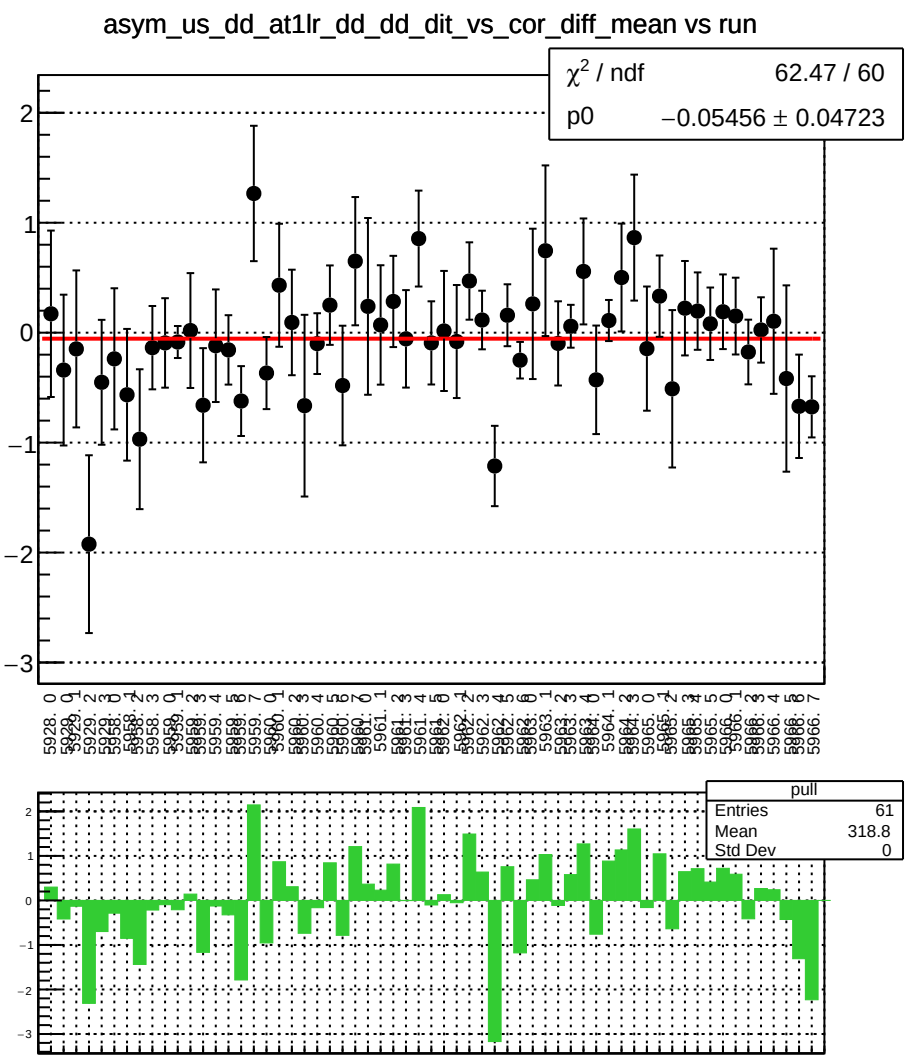

pull1D
Entries 61
Mean 0.002021
Std Dev 1.059

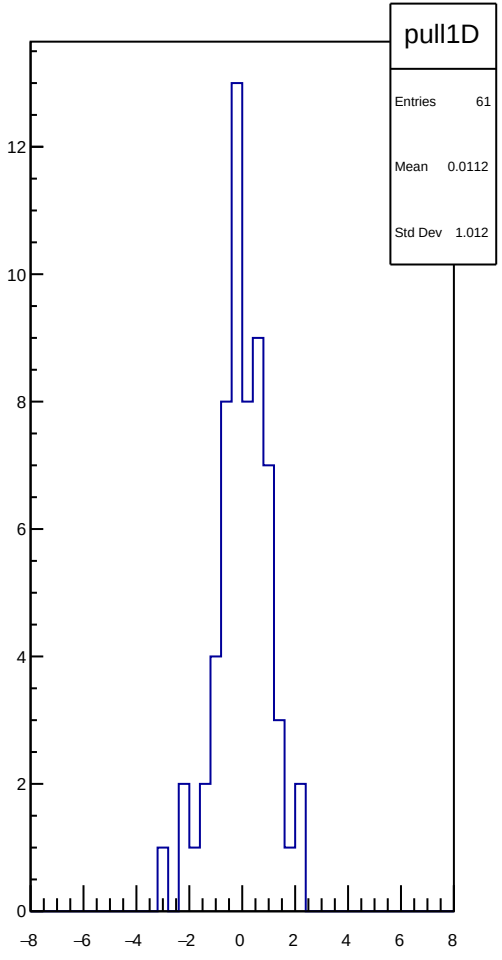

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 1117 / 60
p0 2472 ± 2.265
2700
2650
2600
2550
2500
2450
2400
2350
2300

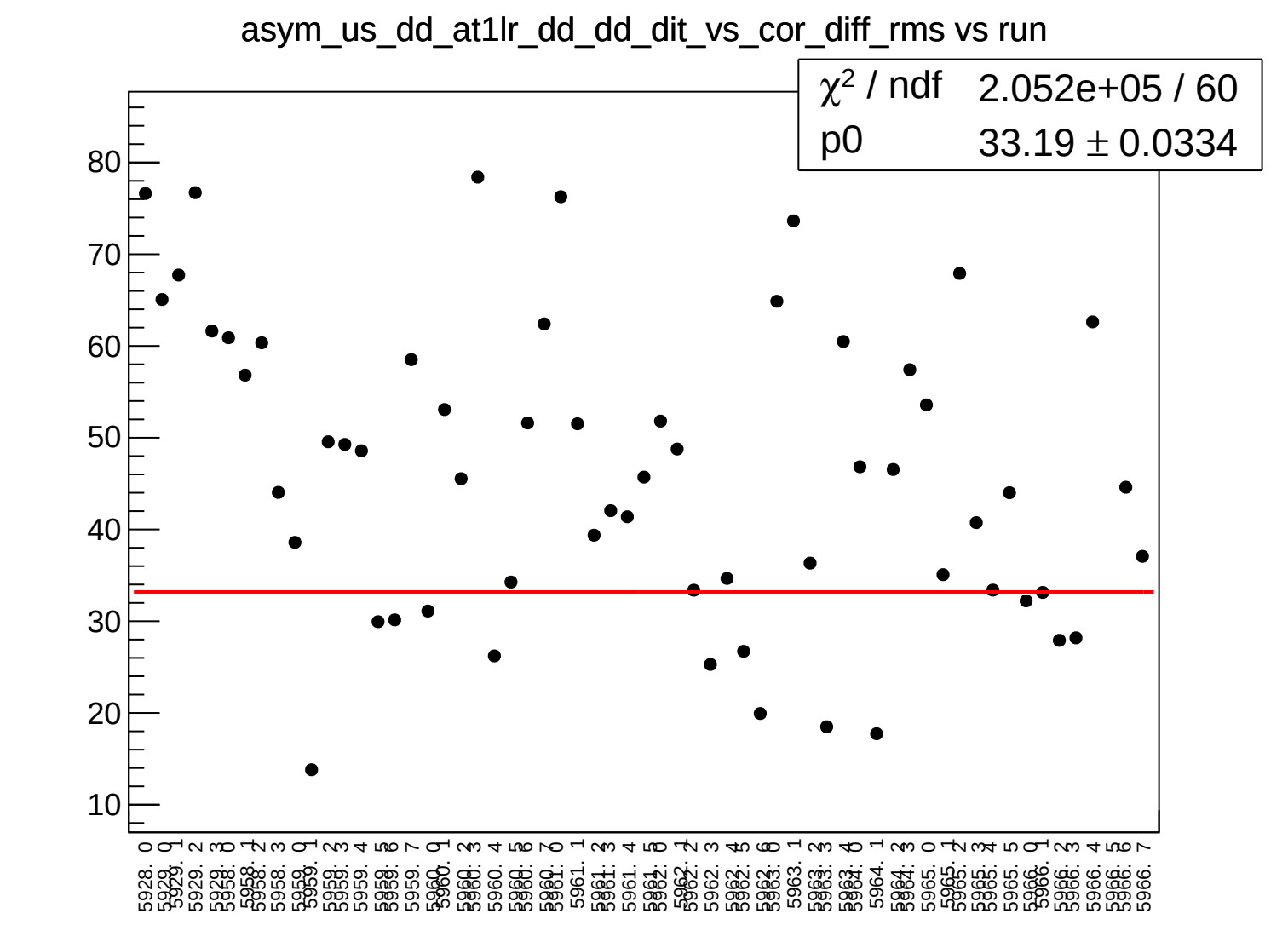

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 70.43 / 60
p0 −4.153e−14 ± 1.717e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 61
Mean 26.94
Std Dev 25.18
3
2
1
0
−1
−2

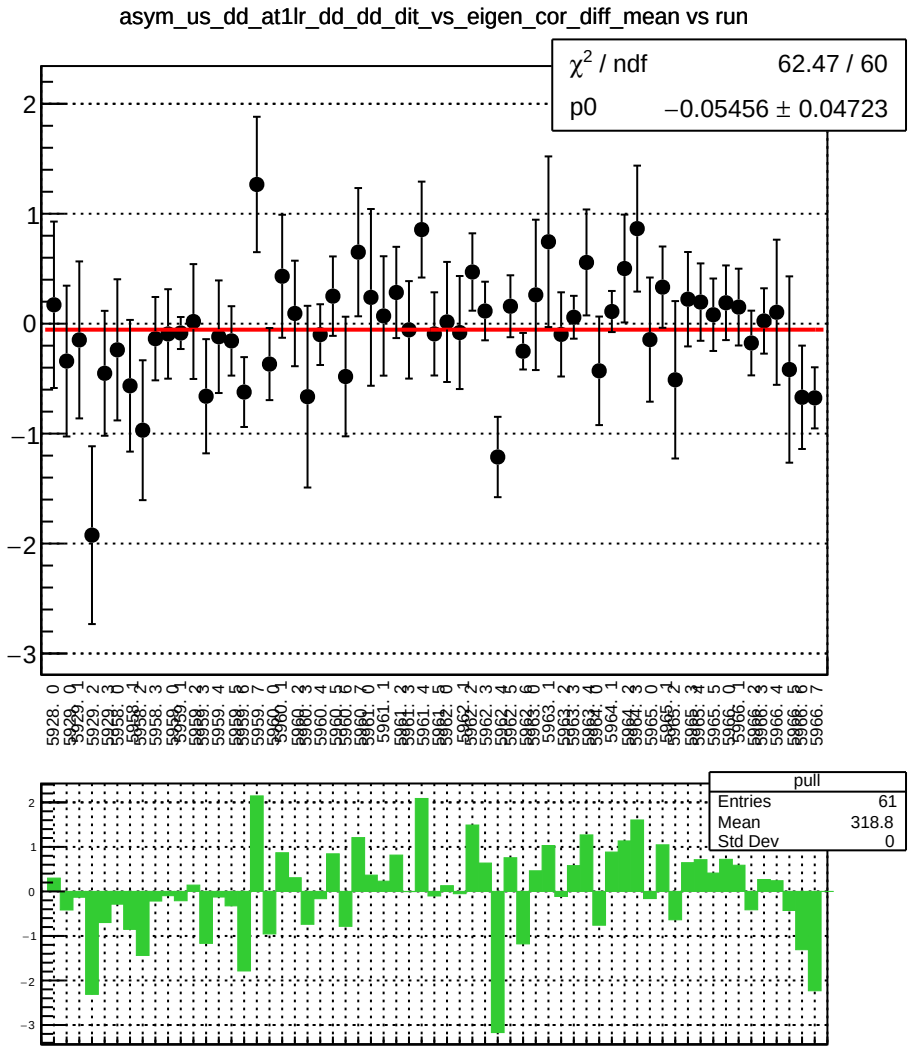

pull1D
Entries 61
Mean −0.04961
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

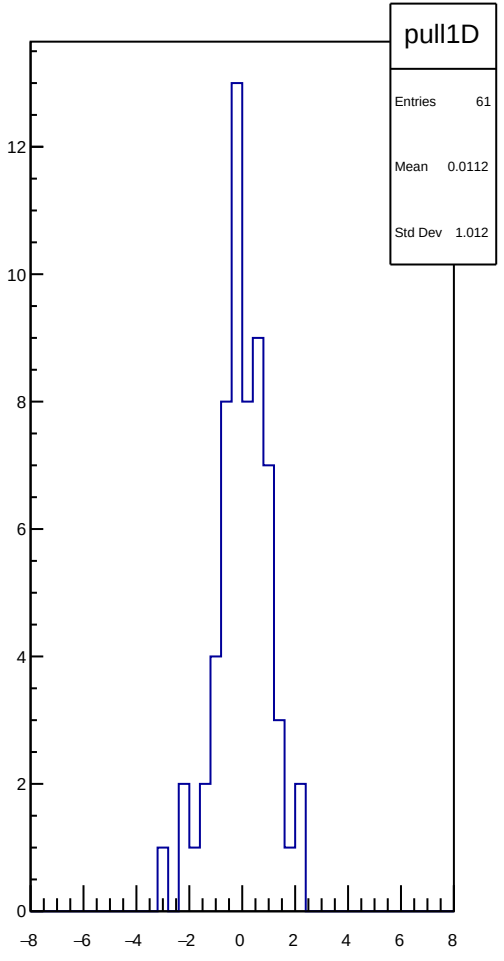

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.479e+05 / 60
p0 8.96e−11 ± 1.214e−13
1
0.8
0.6
0.4
0.2
0

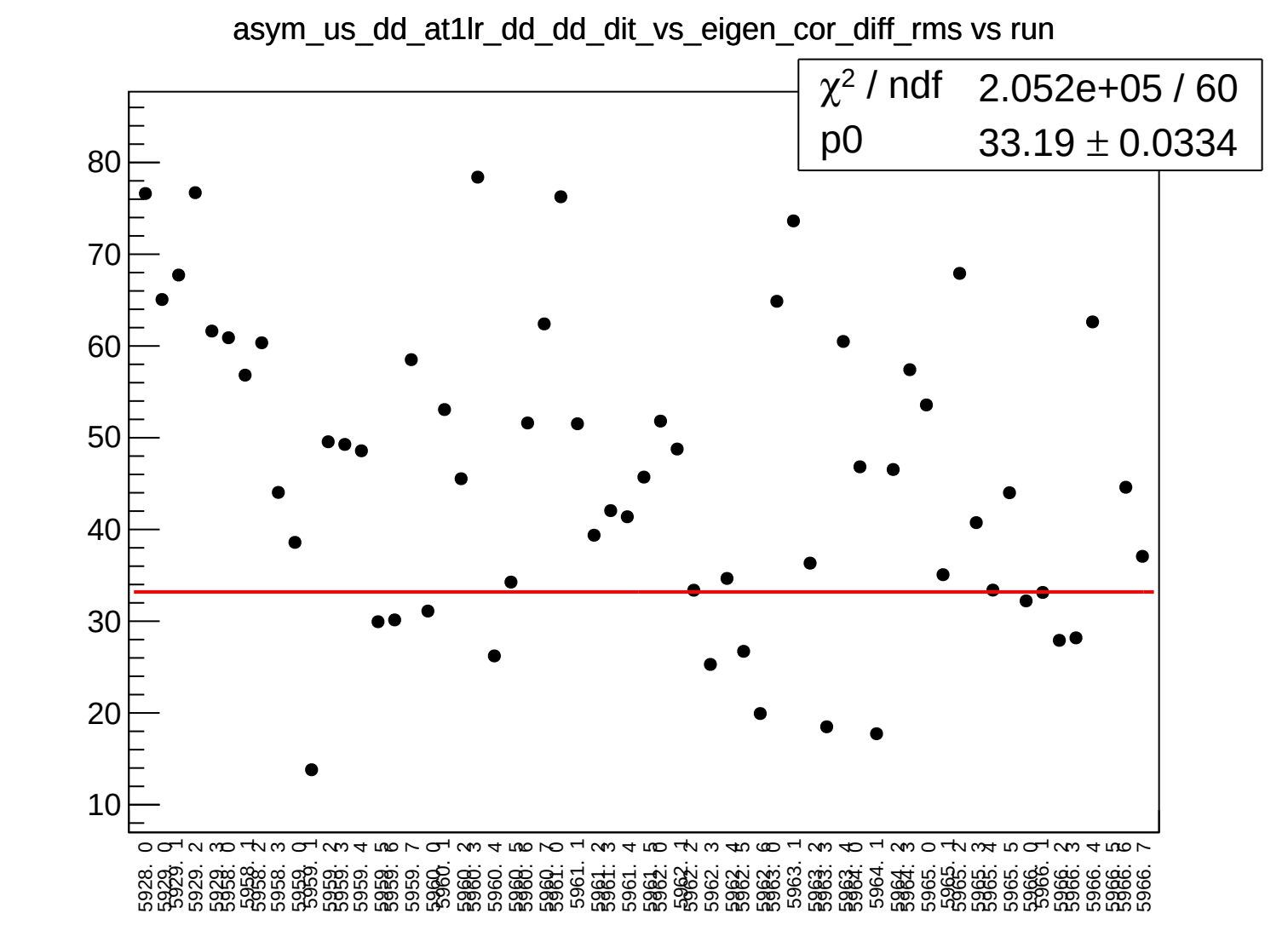

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.47 / 60
p0 −0.05456 ± 0.04723
pull
Entries 61
Mean 318.8
Std Dev 0

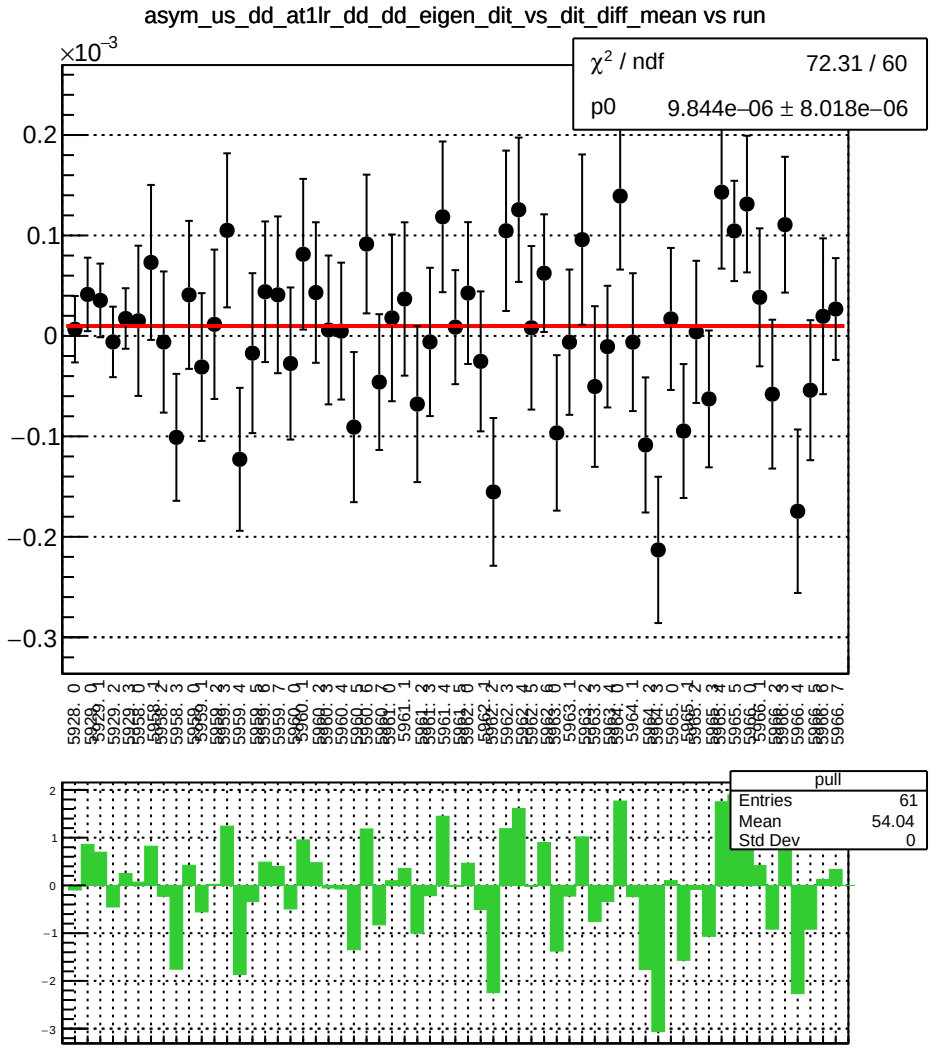

pull1D
Entries 61
Mean 0.0112
Std Dev 1.012

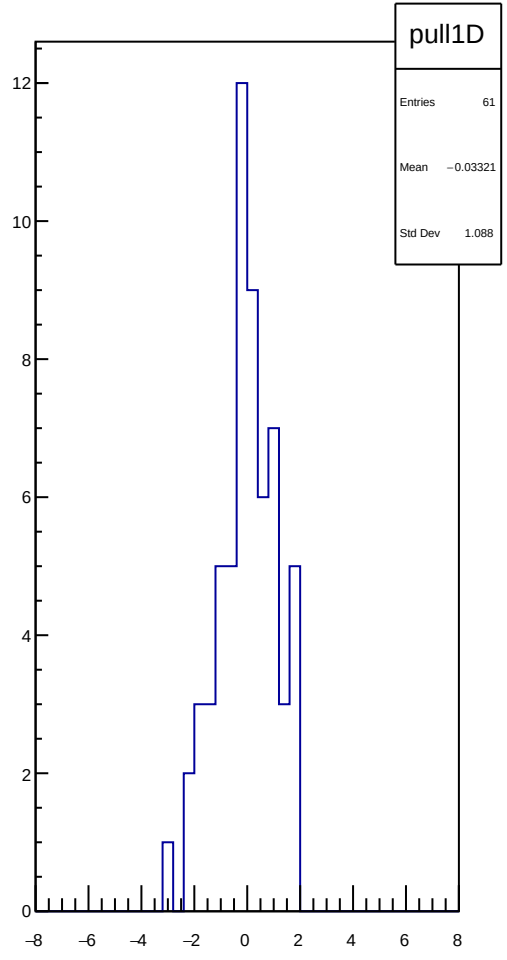

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.052e+05 / 60
p0 33.19 ± 0.0334
80
70
60
50
40
30
20
10

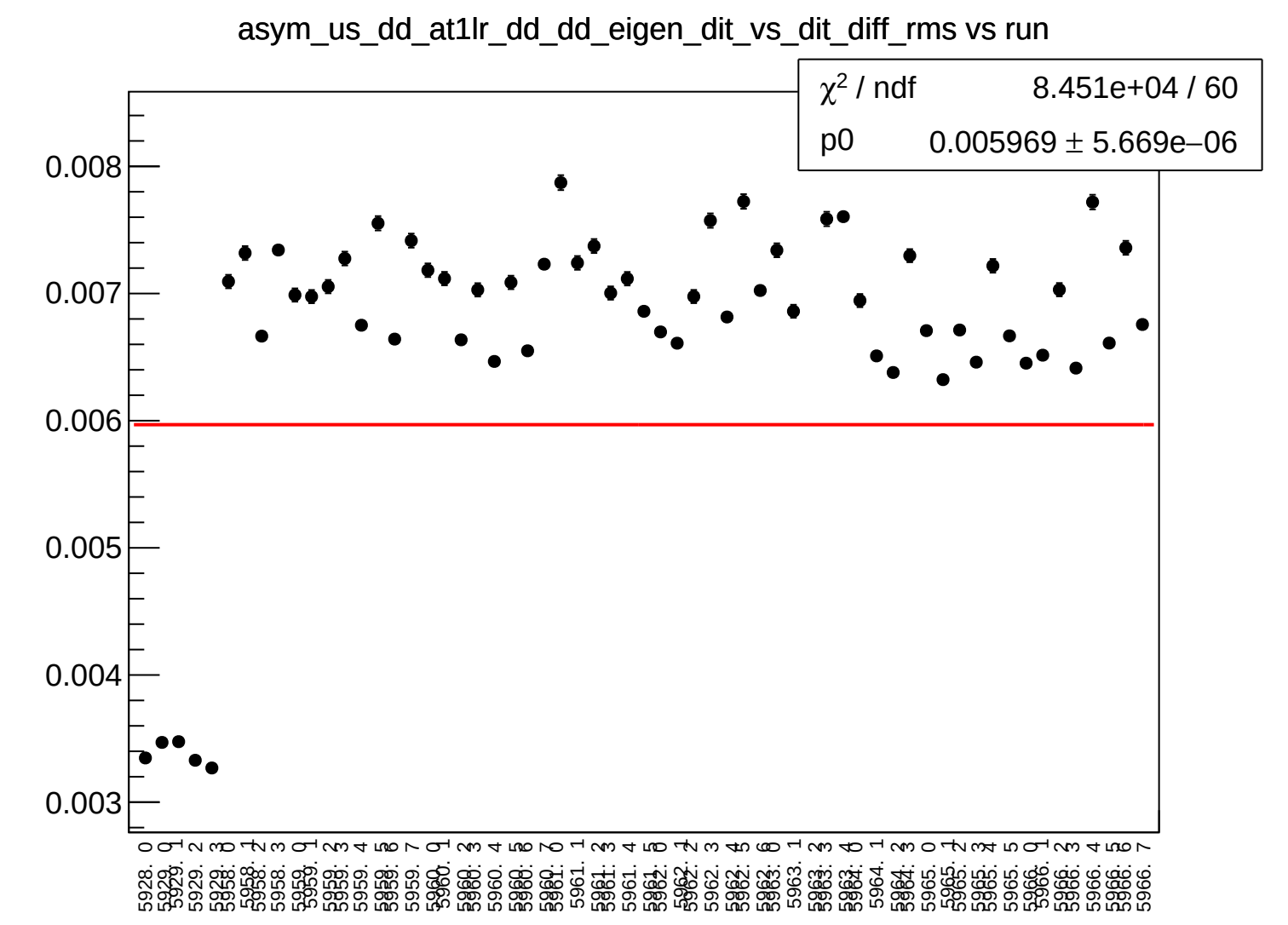

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.47 / 60
p0 −0.05456 ± 0.04723
pull
Entries 61
Mean 318.8
Std Dev 0

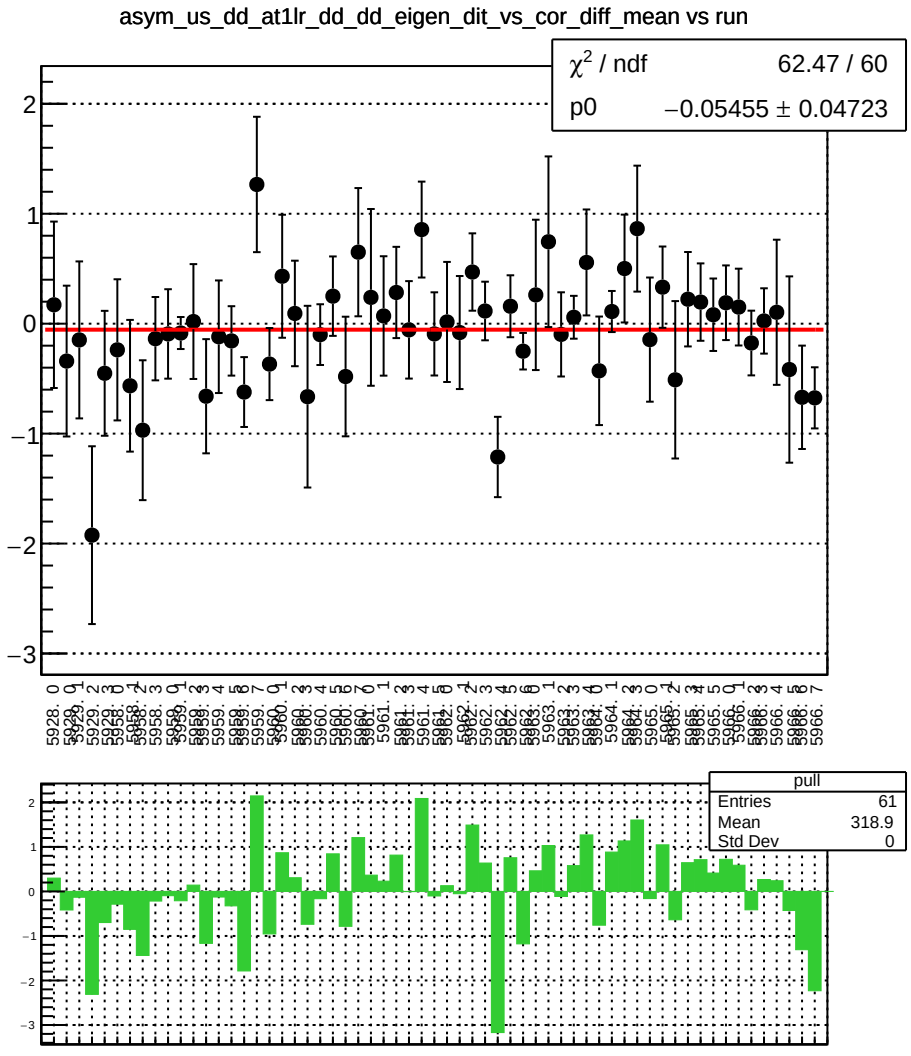

pull1D
Entries 61
Mean 0.0112
Std Dev 1.012

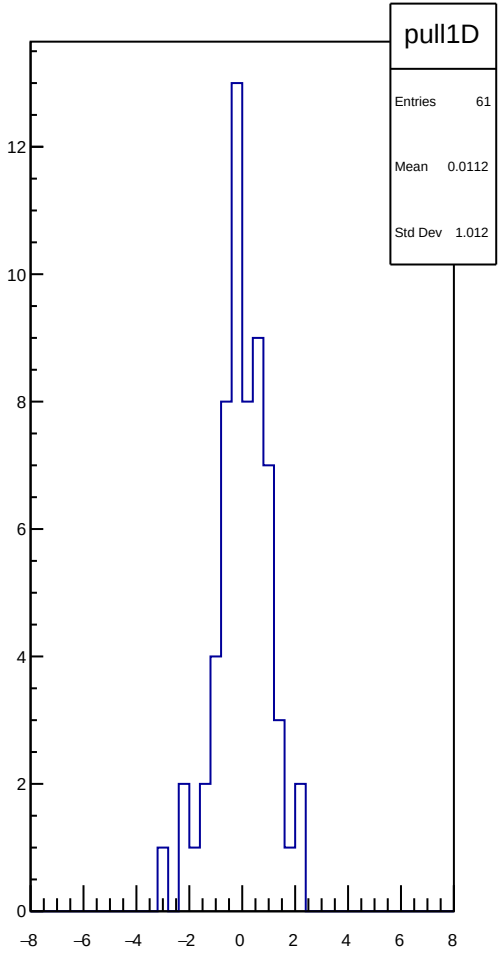

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.052e+05 / 60
p0 33.19 ± 0.0334
80
70
60
50
40
30
20
10

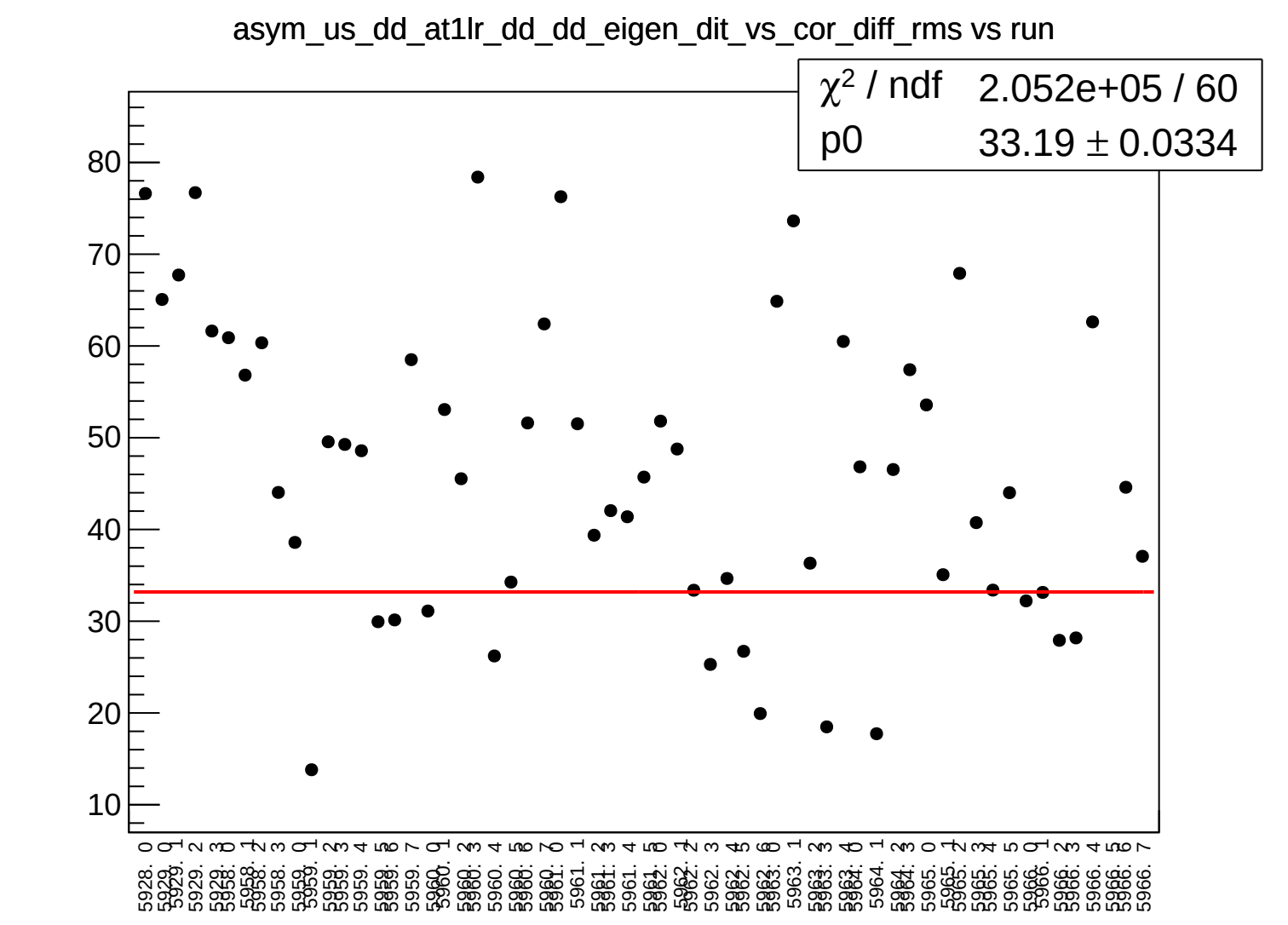

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.31 / 60
p0 9.844e−06 ± 8.018e−06
pull
Entries 61
Mean 54.04
Std Dev 0

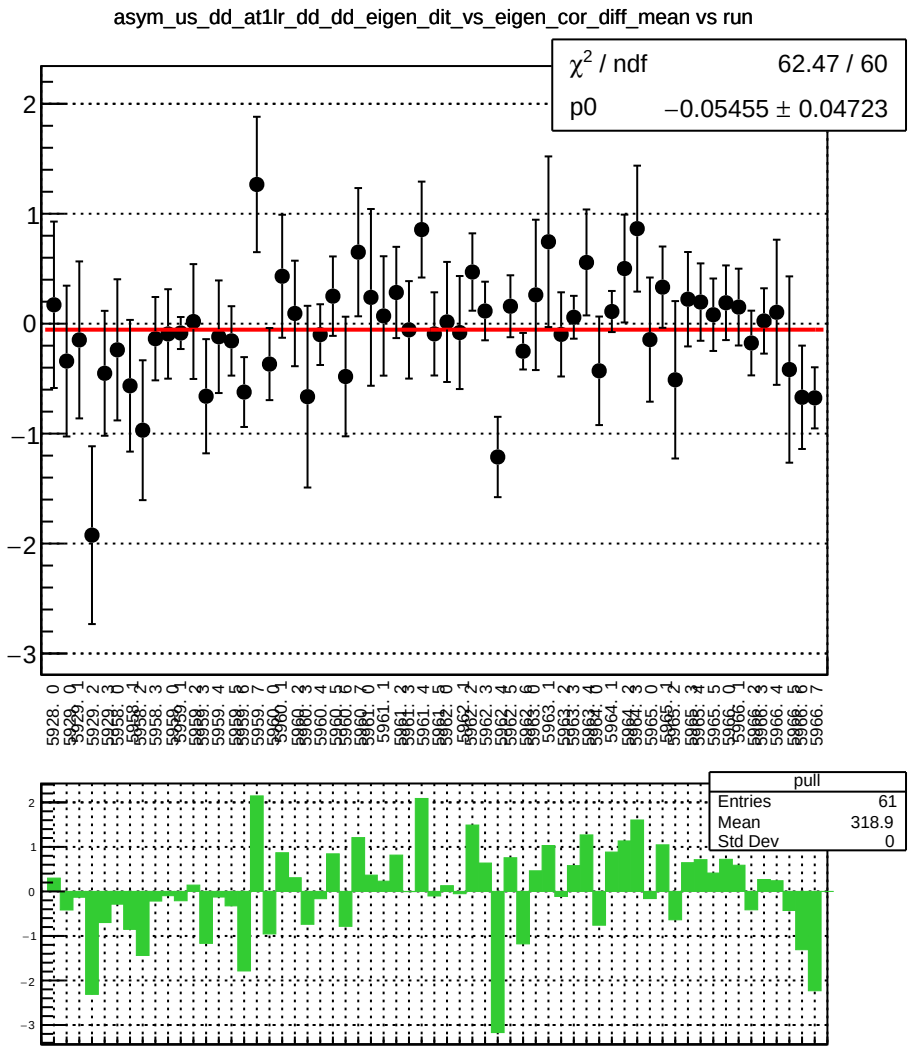

pull1D
Entries 61
Mean −0.03321
Std Dev 1.088

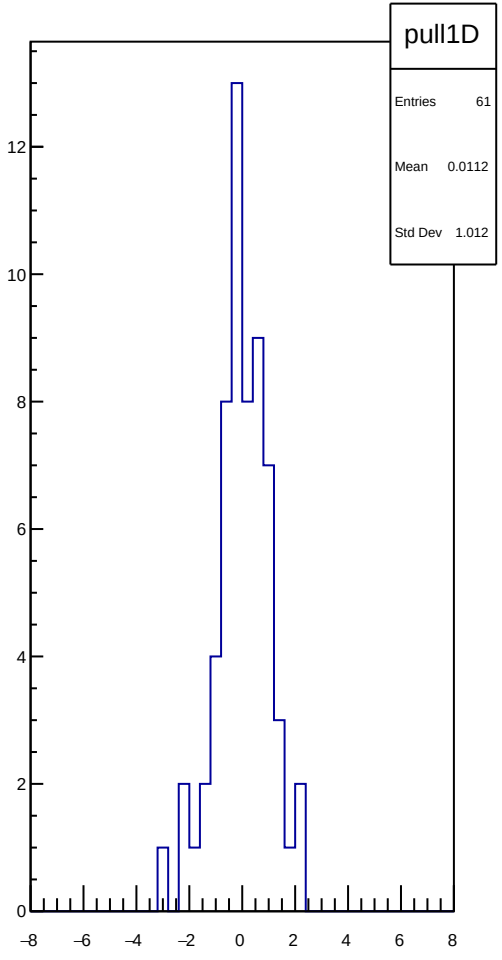

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8.451e+04 / 60
p0 0.005969 ± 5.669e−06
0.008
0.007
0.006
0.005
0.004
0.003

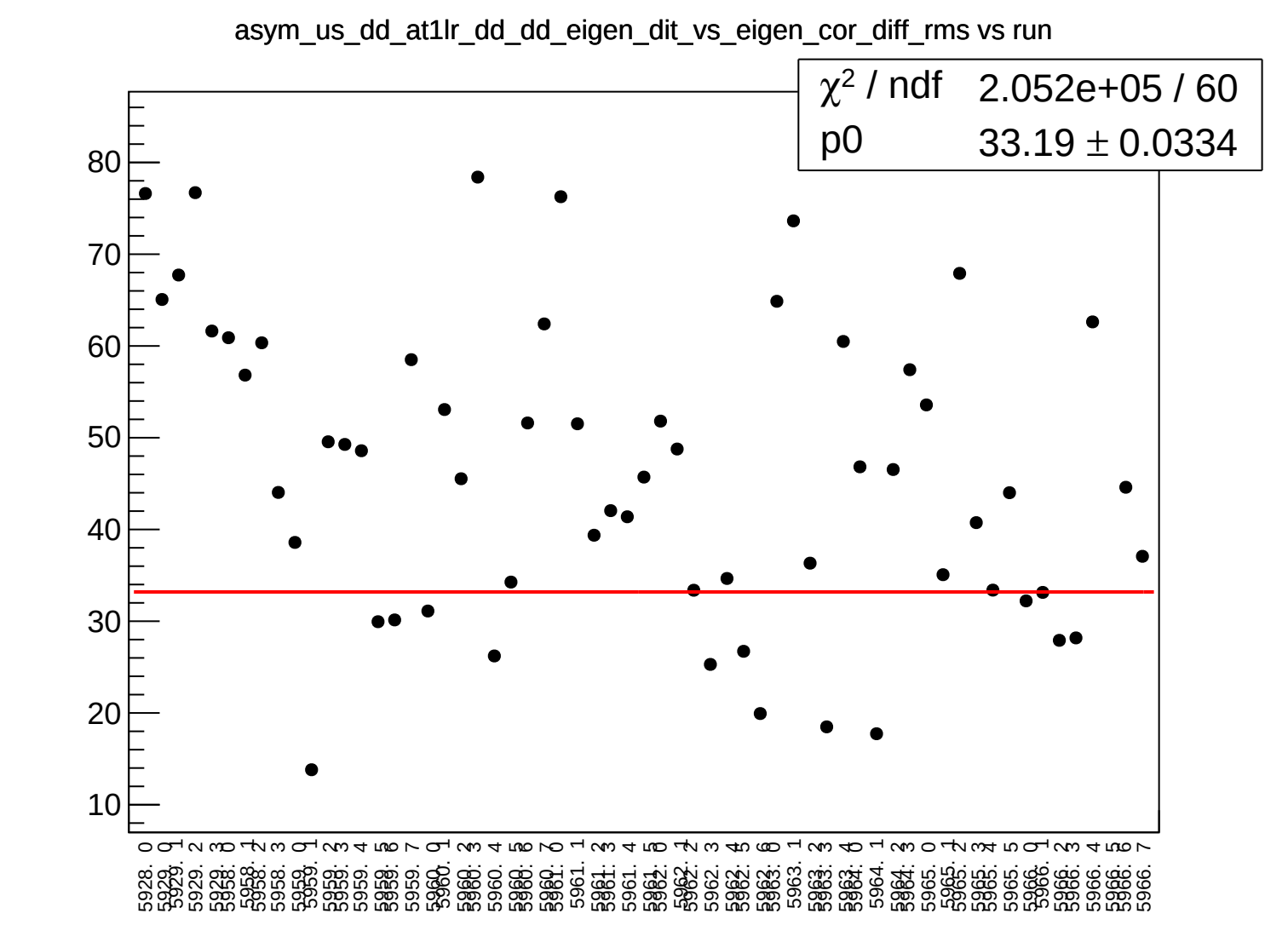

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.47 / 60
p0 −0.05455 ± 0.04723
pull
Entries 61
Mean 318.9
Std Dev 0

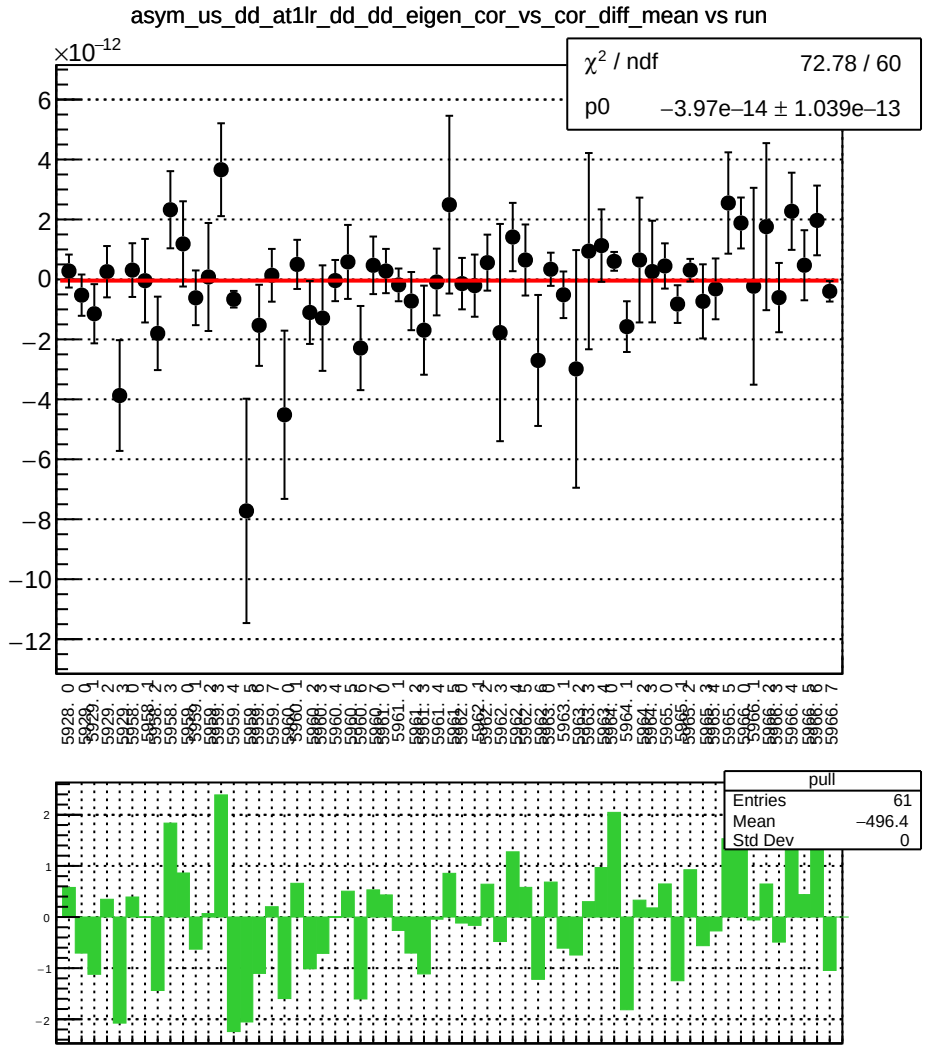

pull1D
Entries 61
Mean 0.0112
Std Dev 1.012

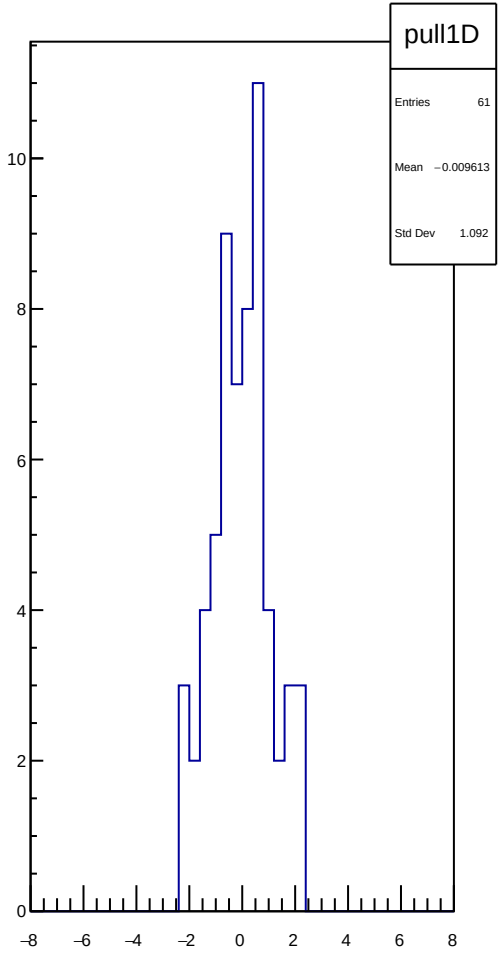

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.052e+05 / 60
p0 33.19 ± 0.0334
80
70
60
50
40
30
20
10

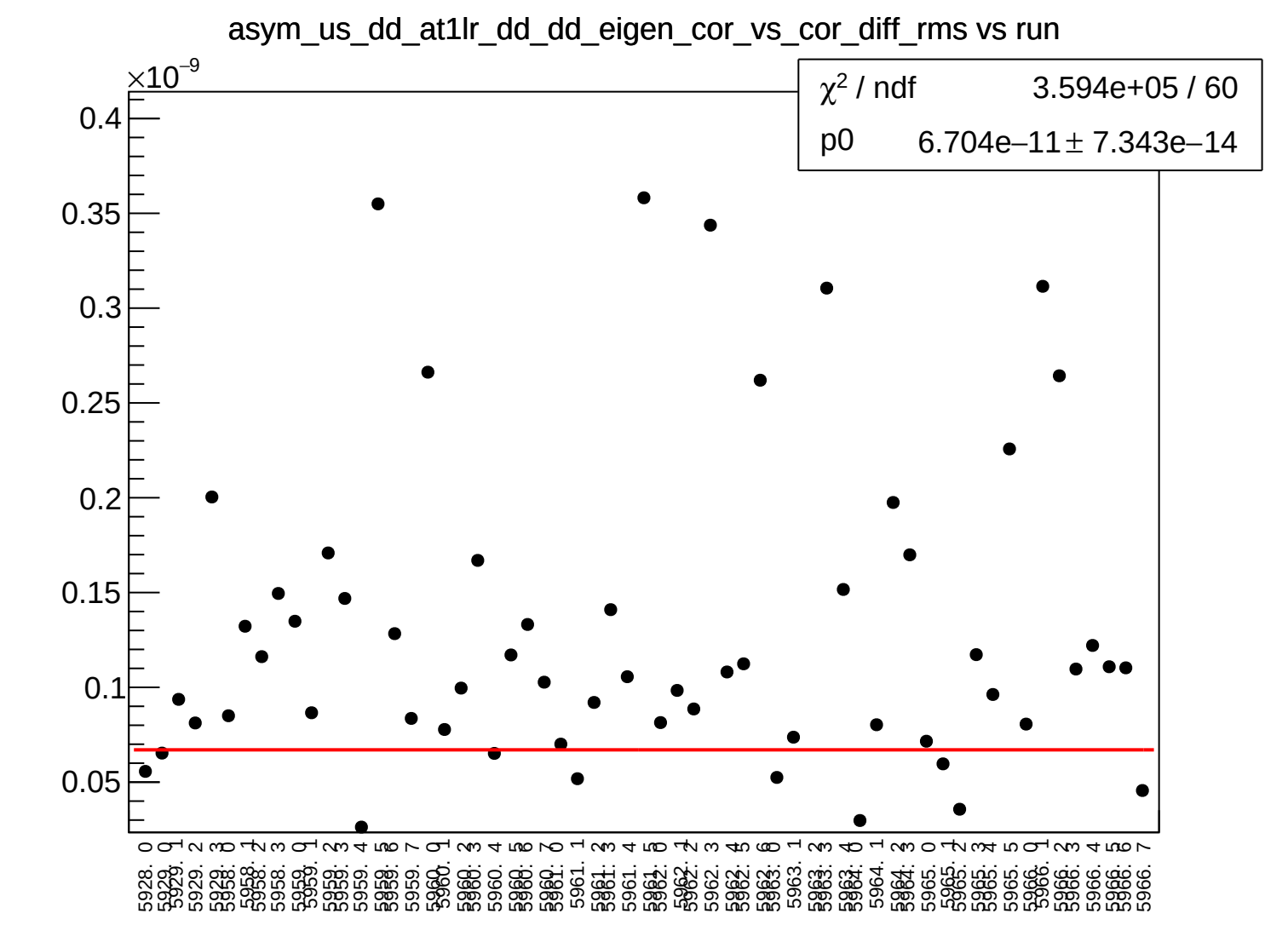

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.47 / 60
p0 −0.05455 ± 0.04723
pull
Entries 61
Mean 318.9
Std Dev 0

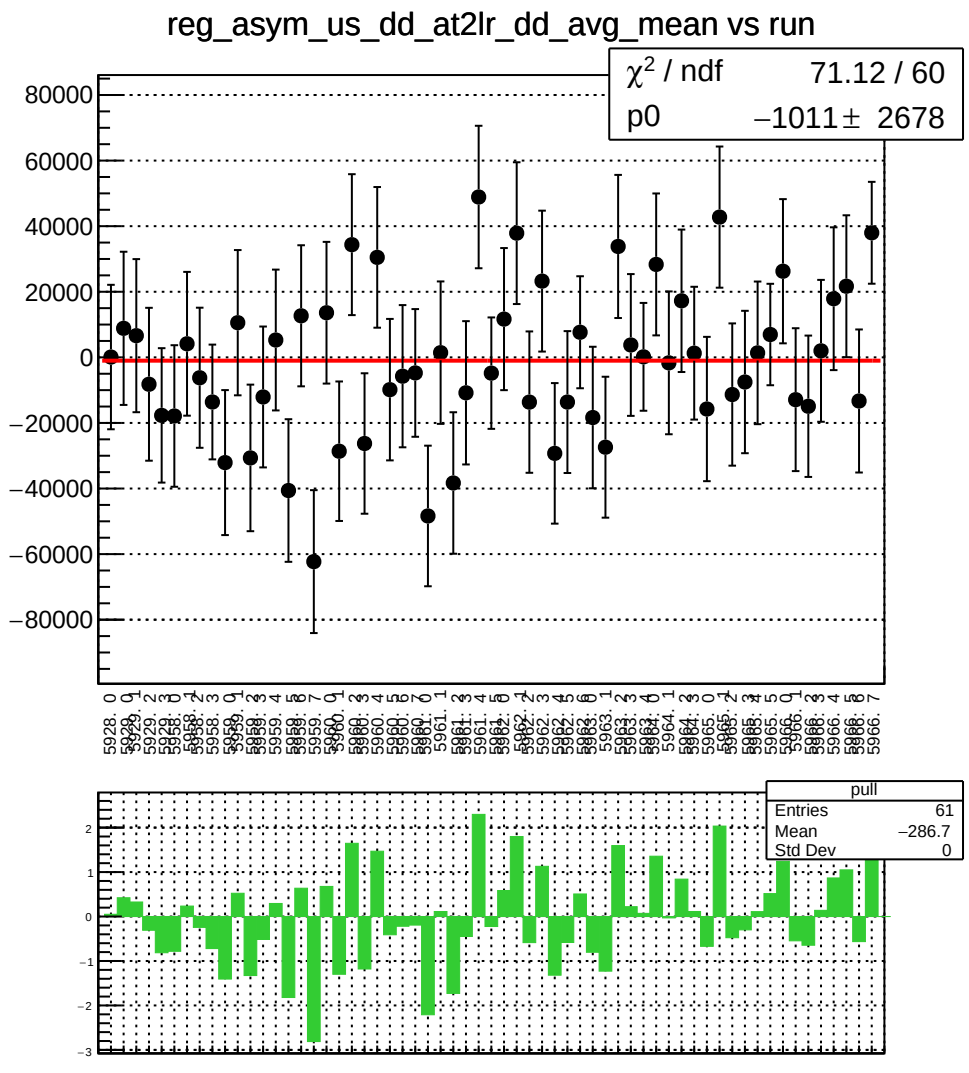

pull1D
Entries 61
Mean 0.0112
Std Dev 1.012

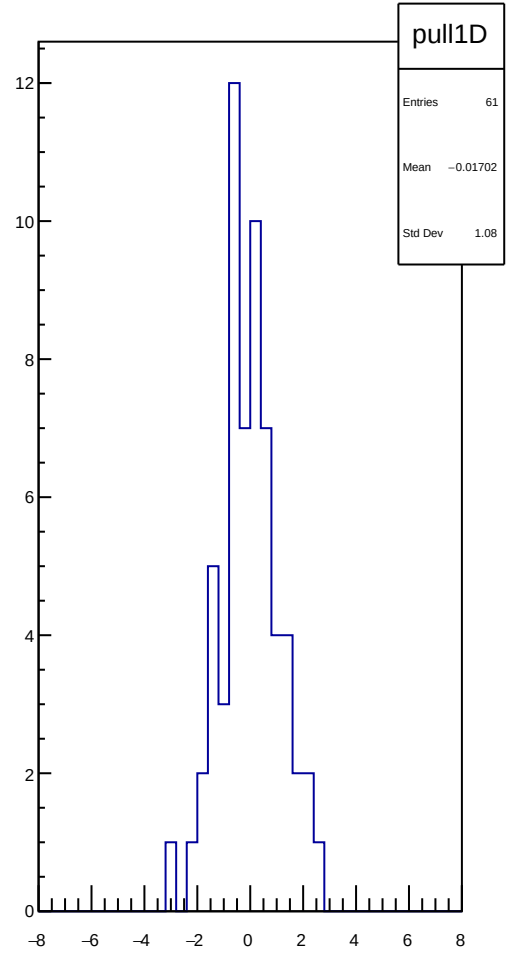

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.052e+05 / 60
p0 33.19 ± 0.0334
80
70
60
50
40
30
20
10

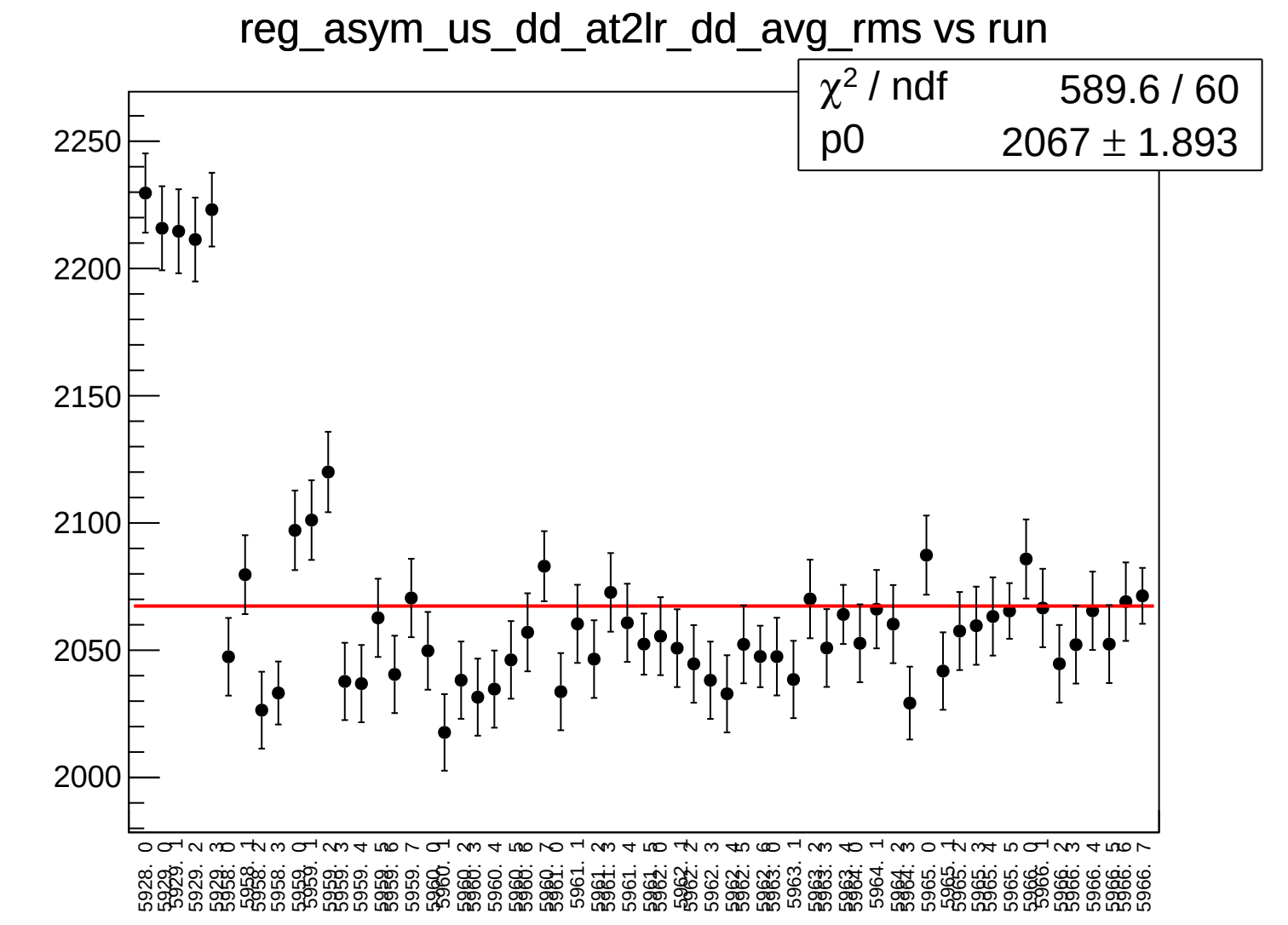

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.78 / 60
p0 −3.97e−14 ± 1.039e−13
pull
Entries 61
Mean −496.4
Std Dev 0

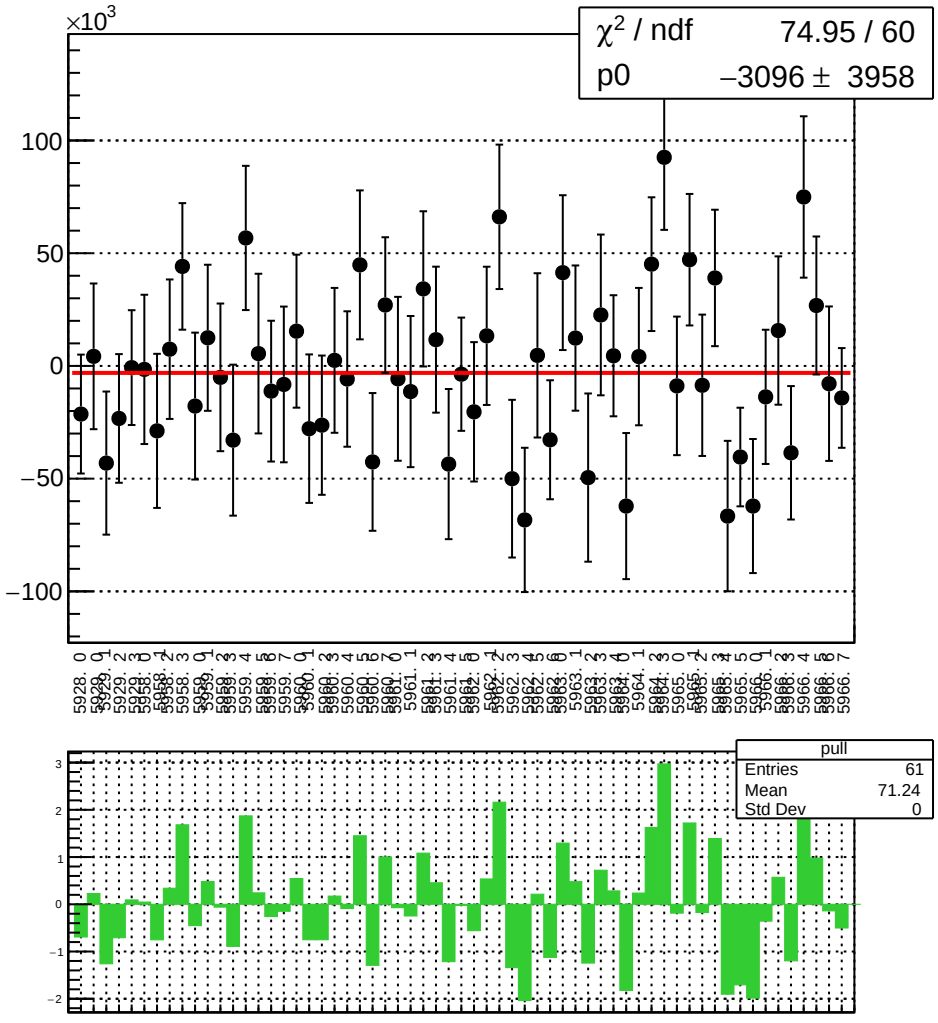

pull1D
Entries 61
Mean −0.009613
Std Dev 1.092

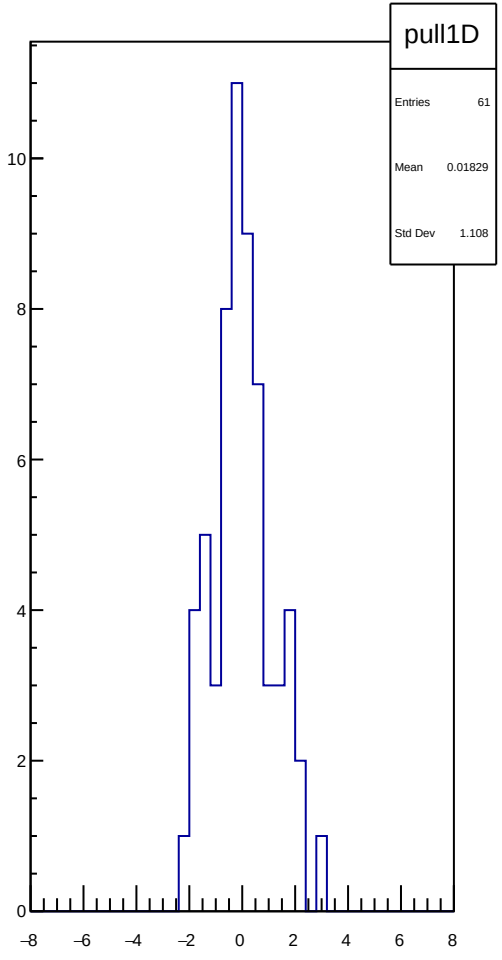

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.594e+05 / 60
p0 6.704e−11 ± 7.343e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

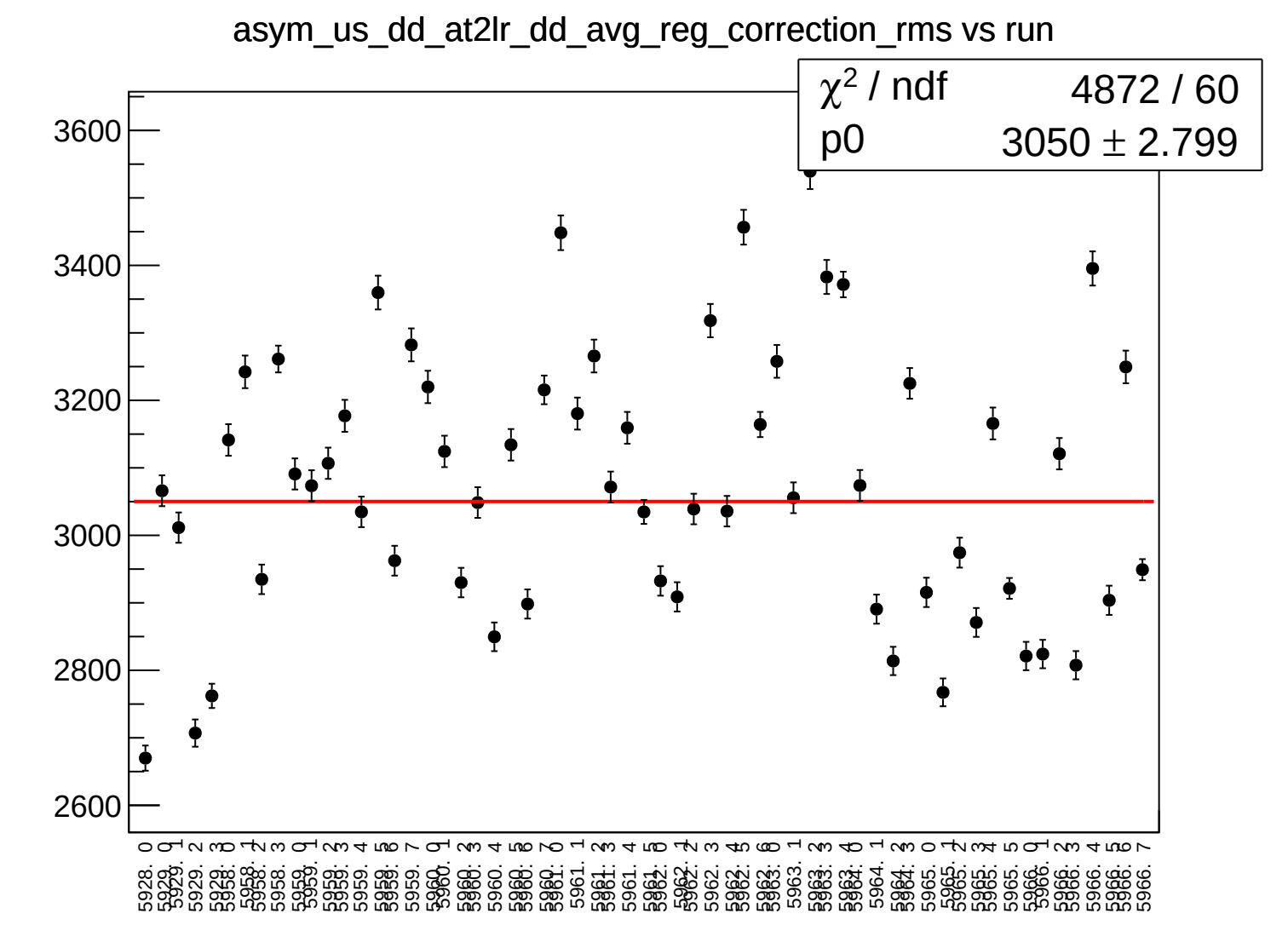

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 71.12 / 60
p0 −1011 ± 2678
pull
Entries 61
Mean −286.7
Std Dev 0

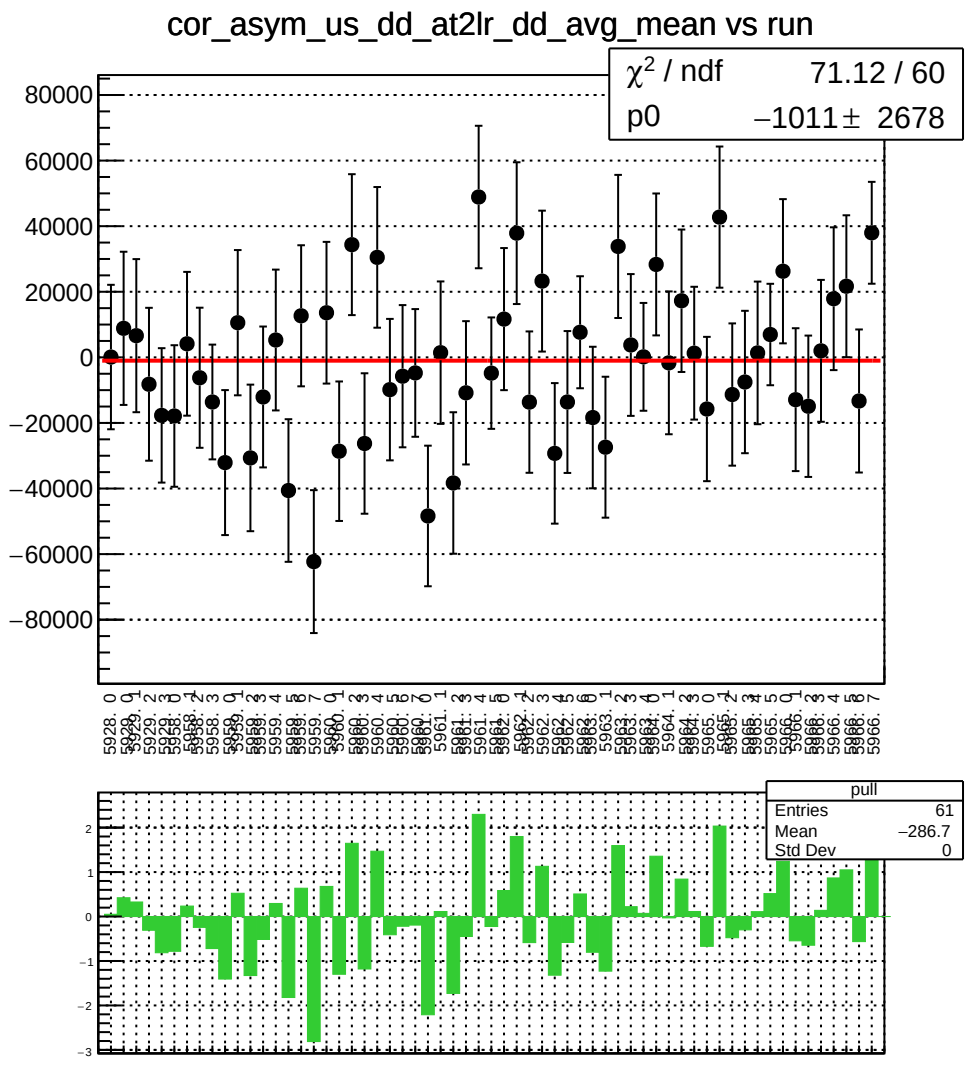

pull1D
Entries 61
Mean −0.01702
Std Dev 1.08

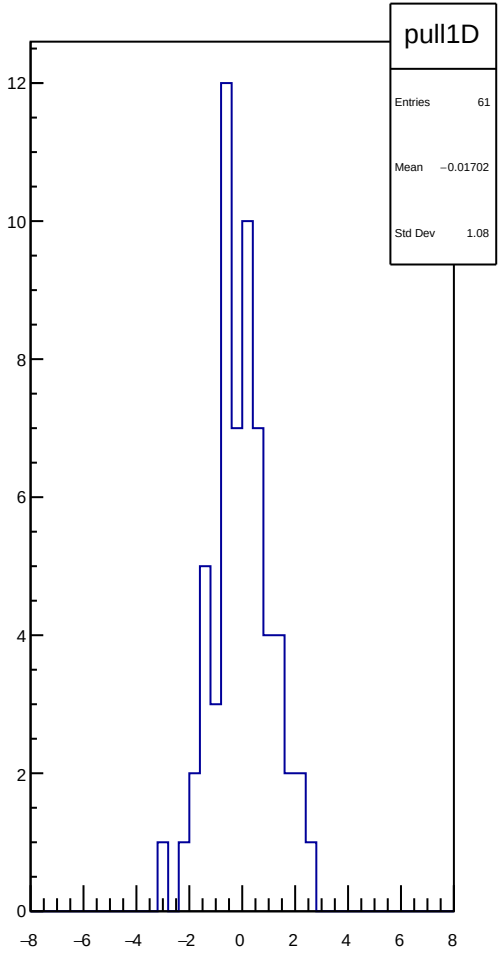

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 589.6 / 60
p0 2067 ± 1.893
2250
2200
2150
2100
2050
2000

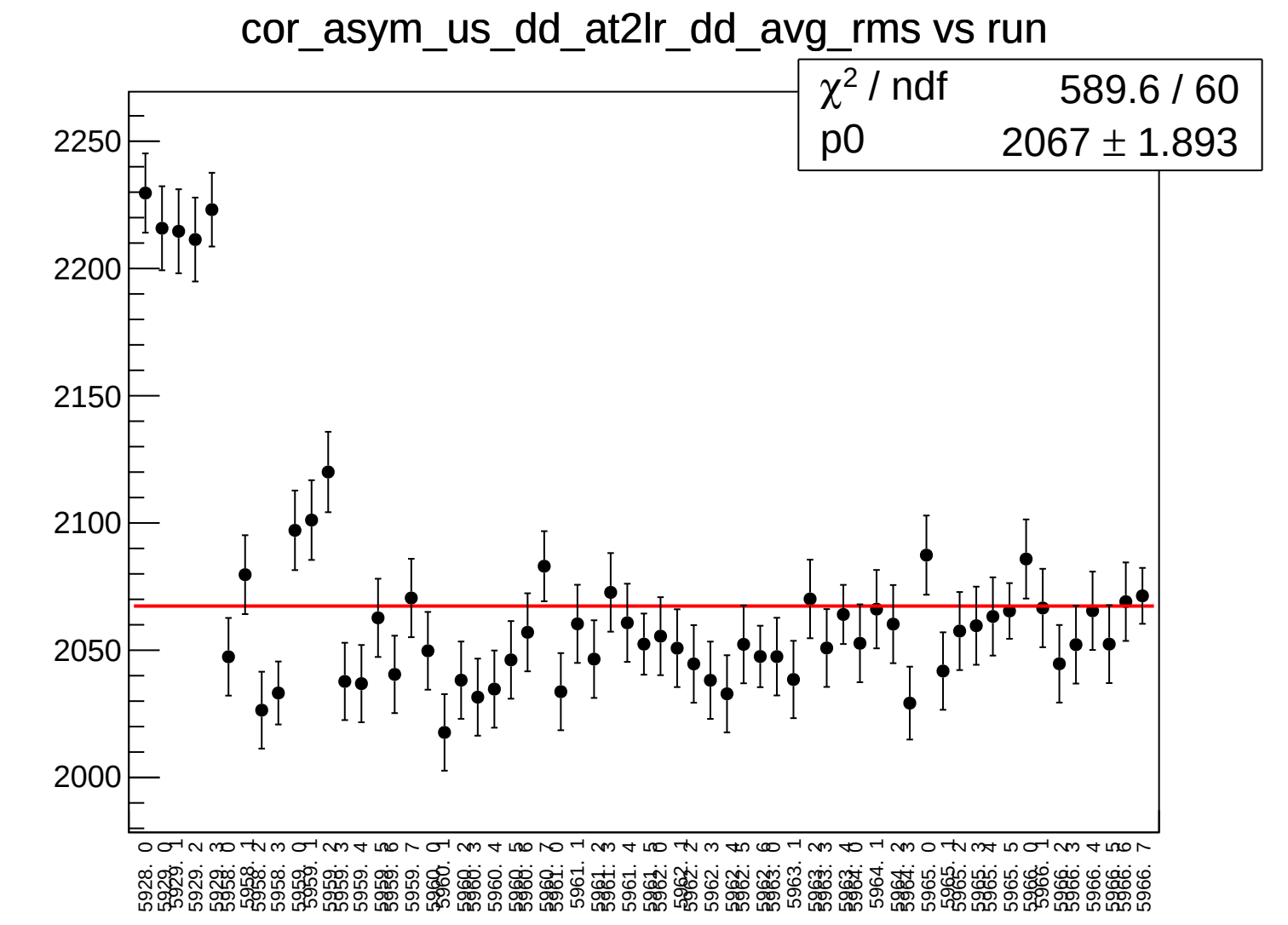

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 74.95 / 60
p0 −3096 ± 3958
100
50
0
−50
−100
pull
Entries 61
Mean 71.24
Std Dev 0
3
2
1
0
−1
−2

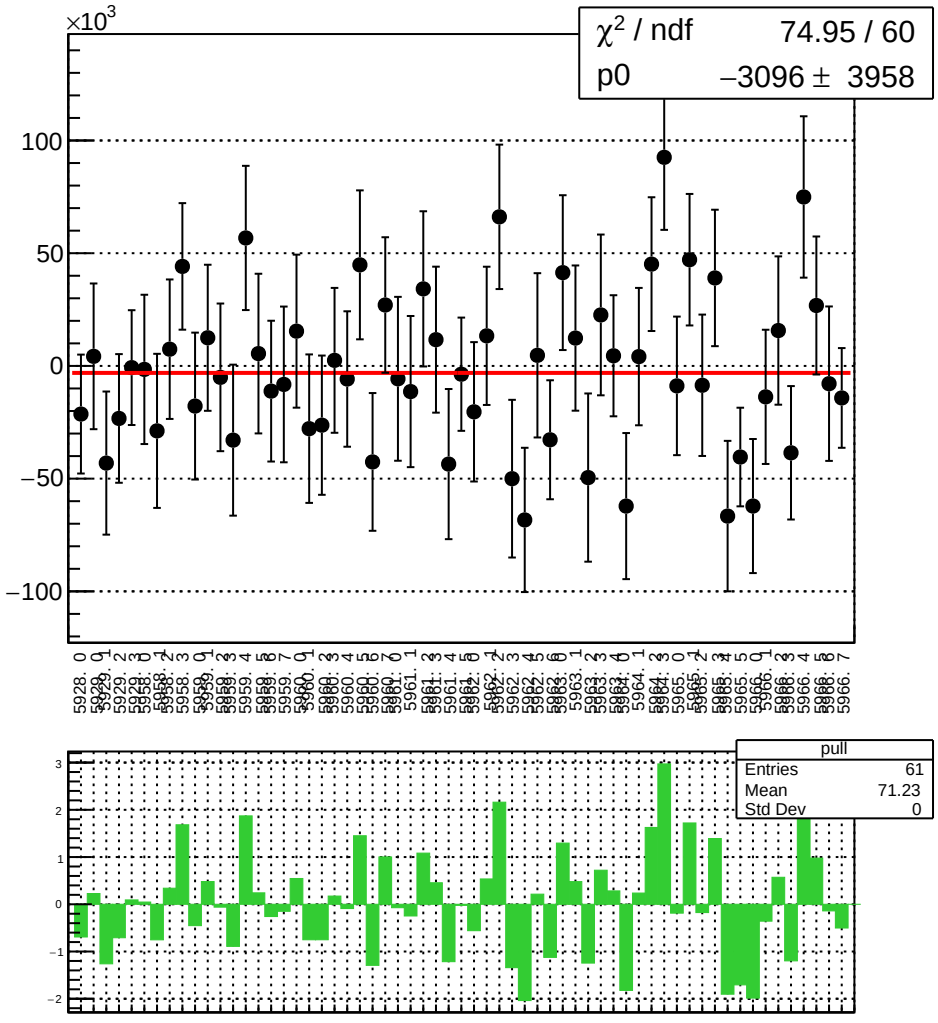

pull1D
Entries 61
Mean 0.01829
Std Dev 1.108
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

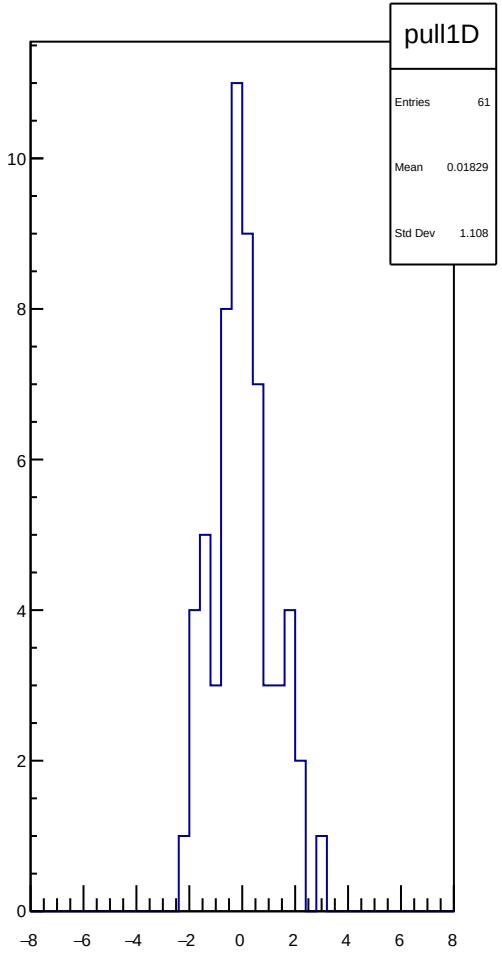

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4872 / 60
p0 3050 ± 2.799
3600
3400
3200
3000
2800
2600

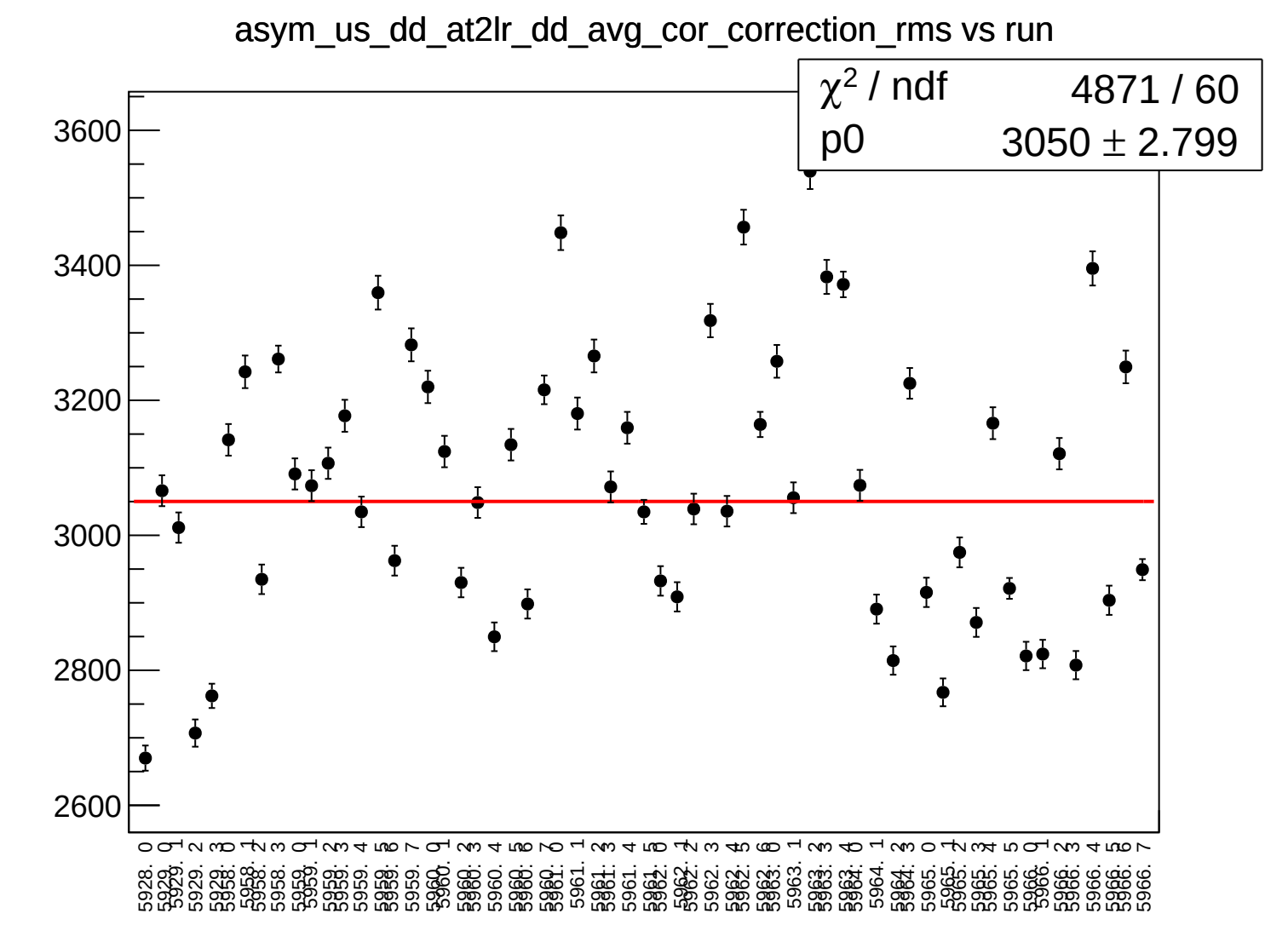

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 71.12 / 60
p0 −1011 ± 2678
pull
Entries 61
Mean −286.7
Std Dev 0

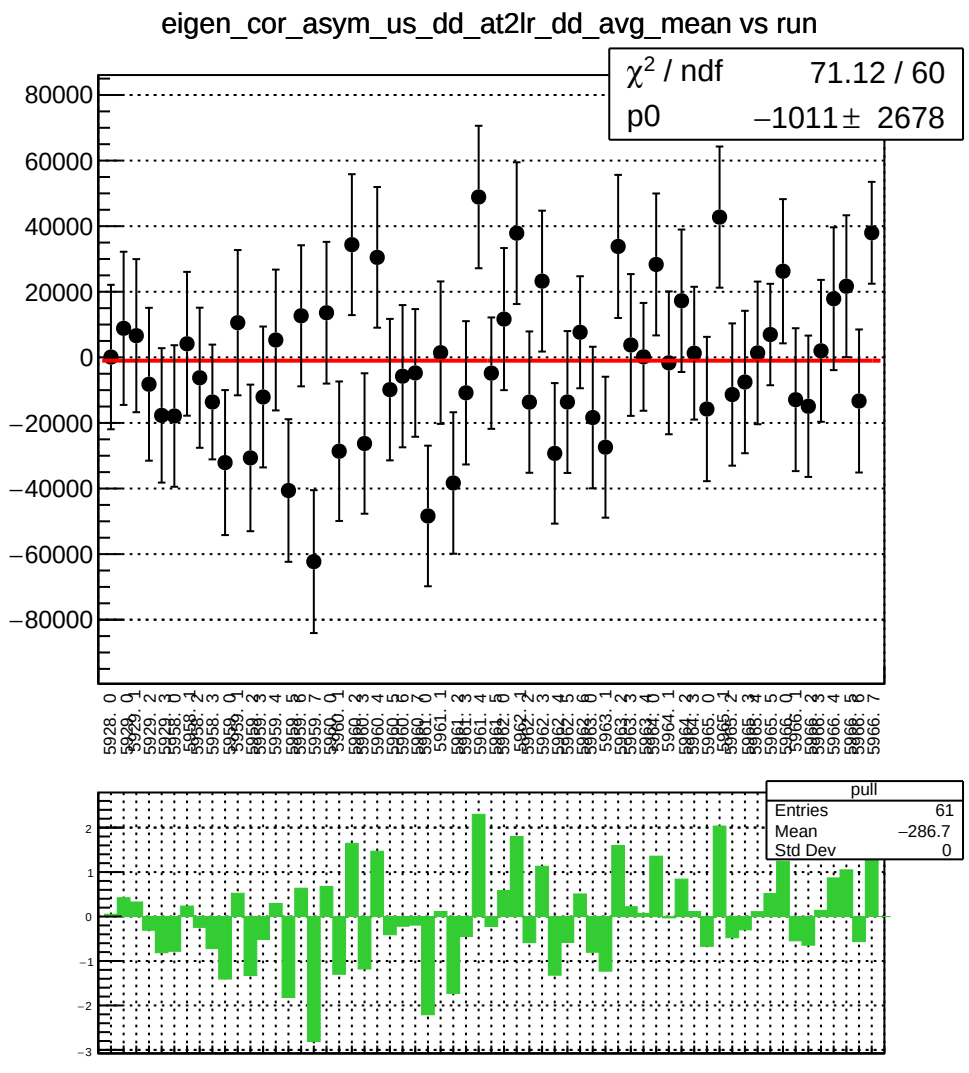

pull1D
Entries 61
Mean −0.01702
Std Dev 1.08

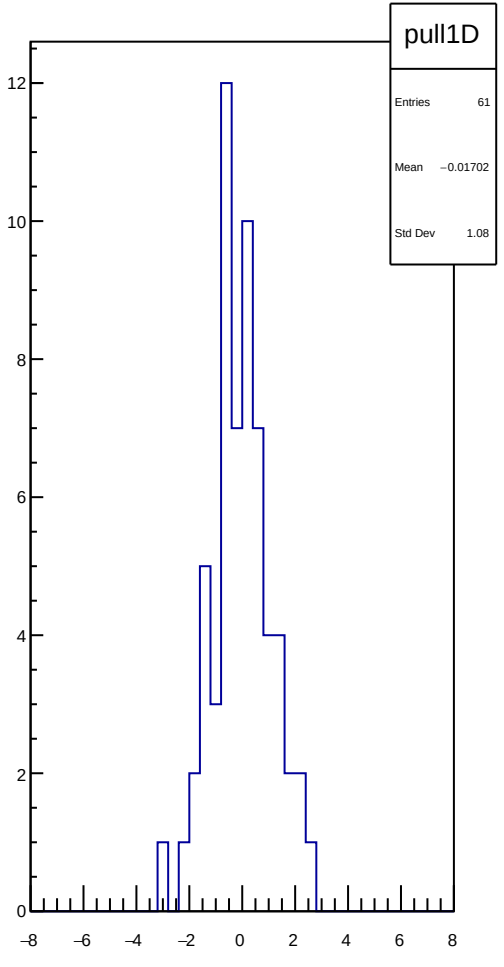

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 589.6 / 60
p0 2067 ± 1.893
2250
2200
2150
2100
2050
2000

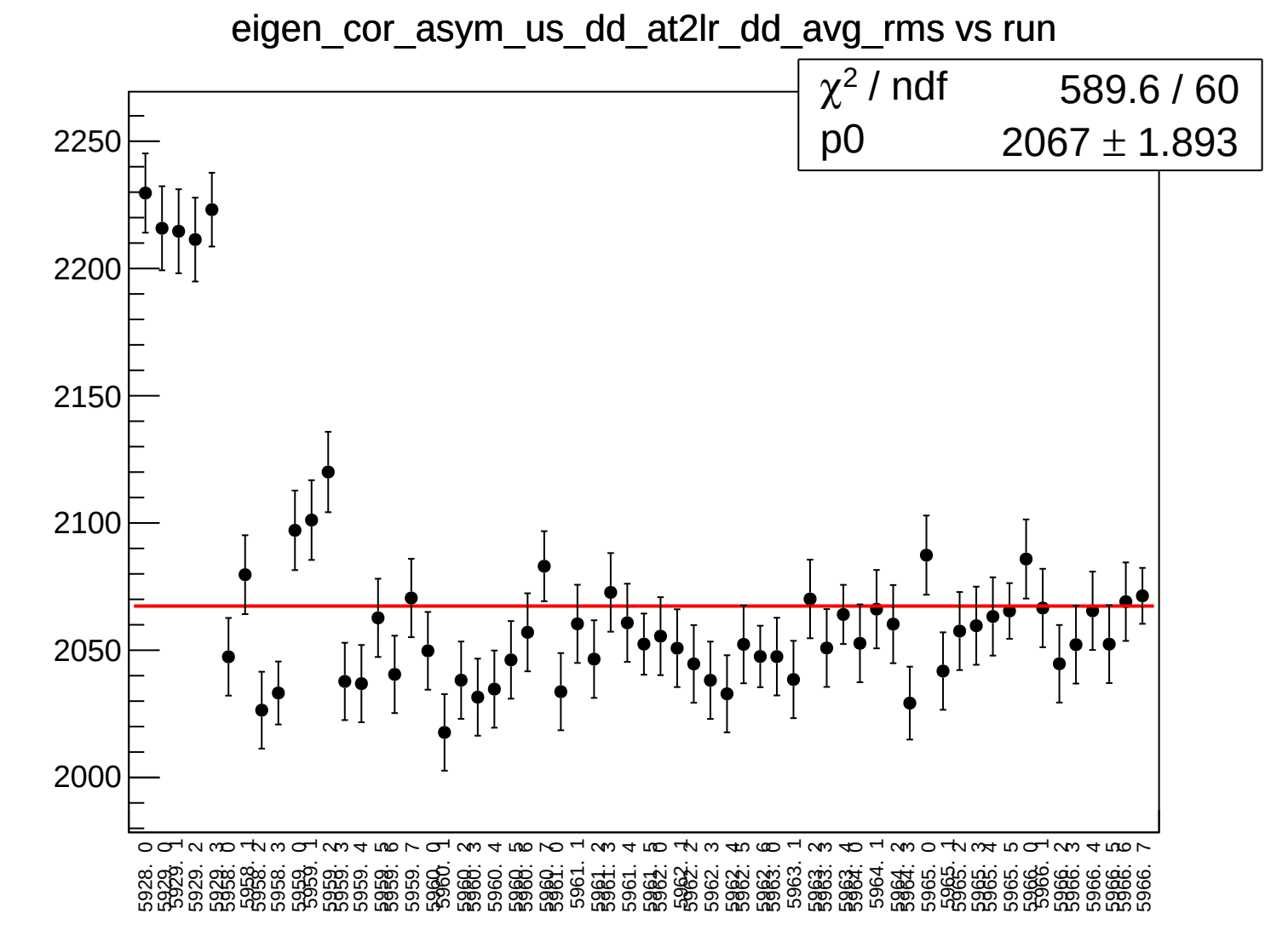

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 74.95 / 60
p0 −3096 ± 3958
pull
Entries 61
Mean 71.23
Std Dev 0

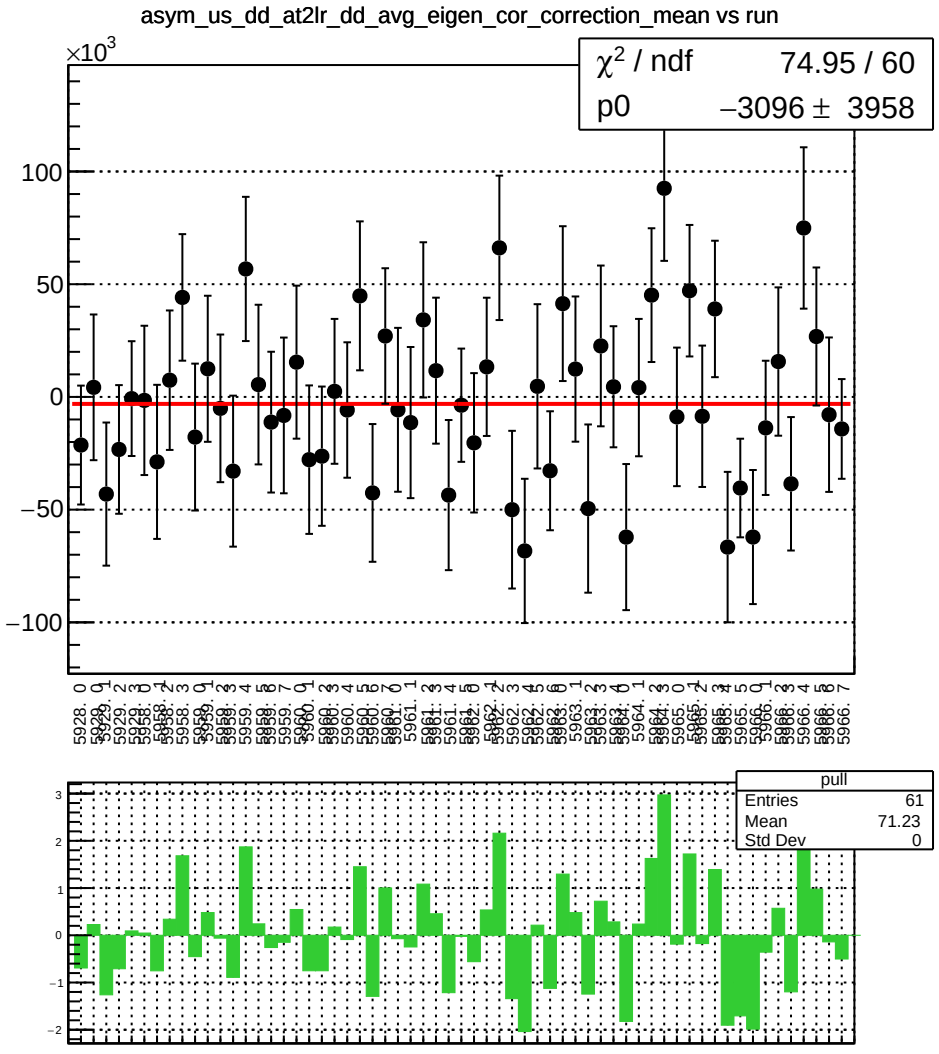

pull1D
Entries 61
Mean 0.01829
Std Dev 1.108

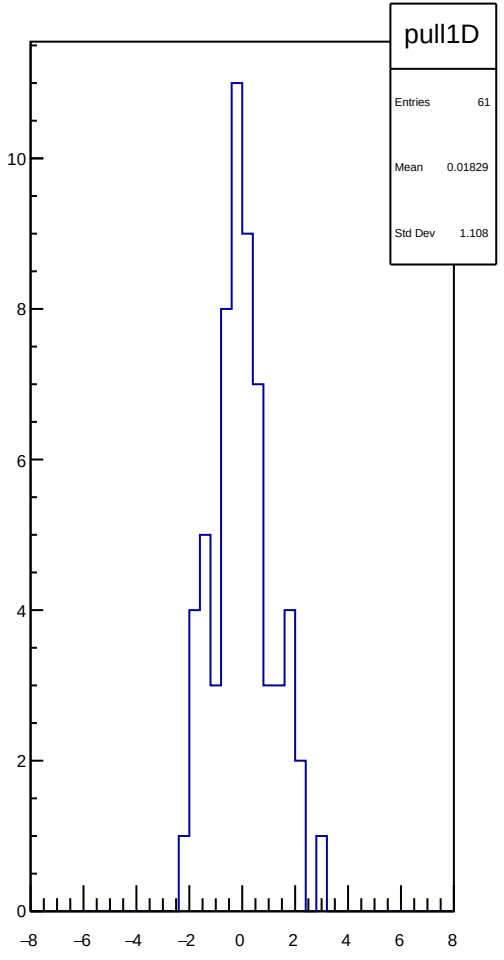

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4871 / 60
p0 3050 ± 2.799
3600
3400
3200
3000
2800
2600

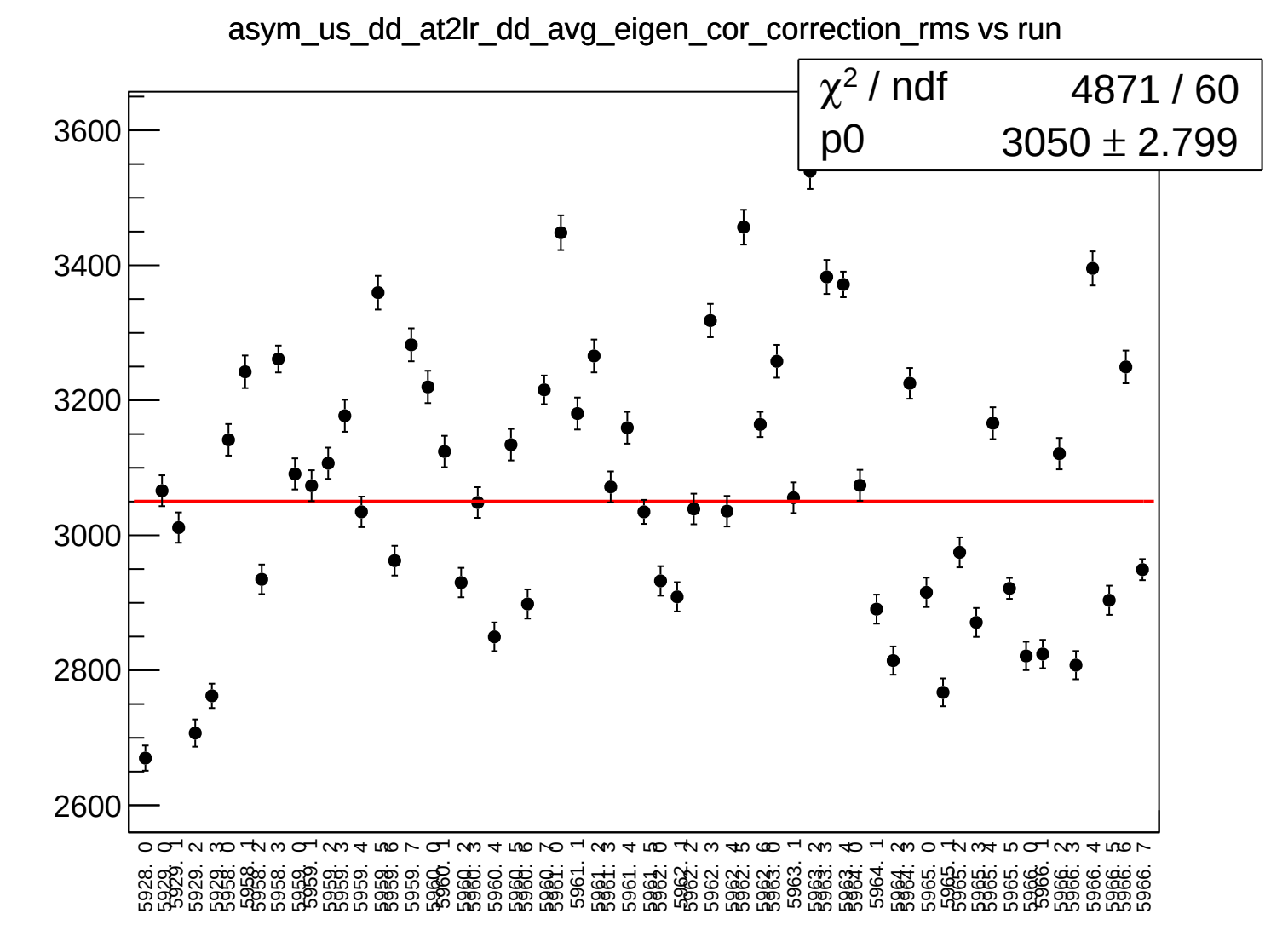

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 71.12 / 60
p0 −1011 ± 2678
pull
Entries 61
Mean −286.7
Std Dev 0

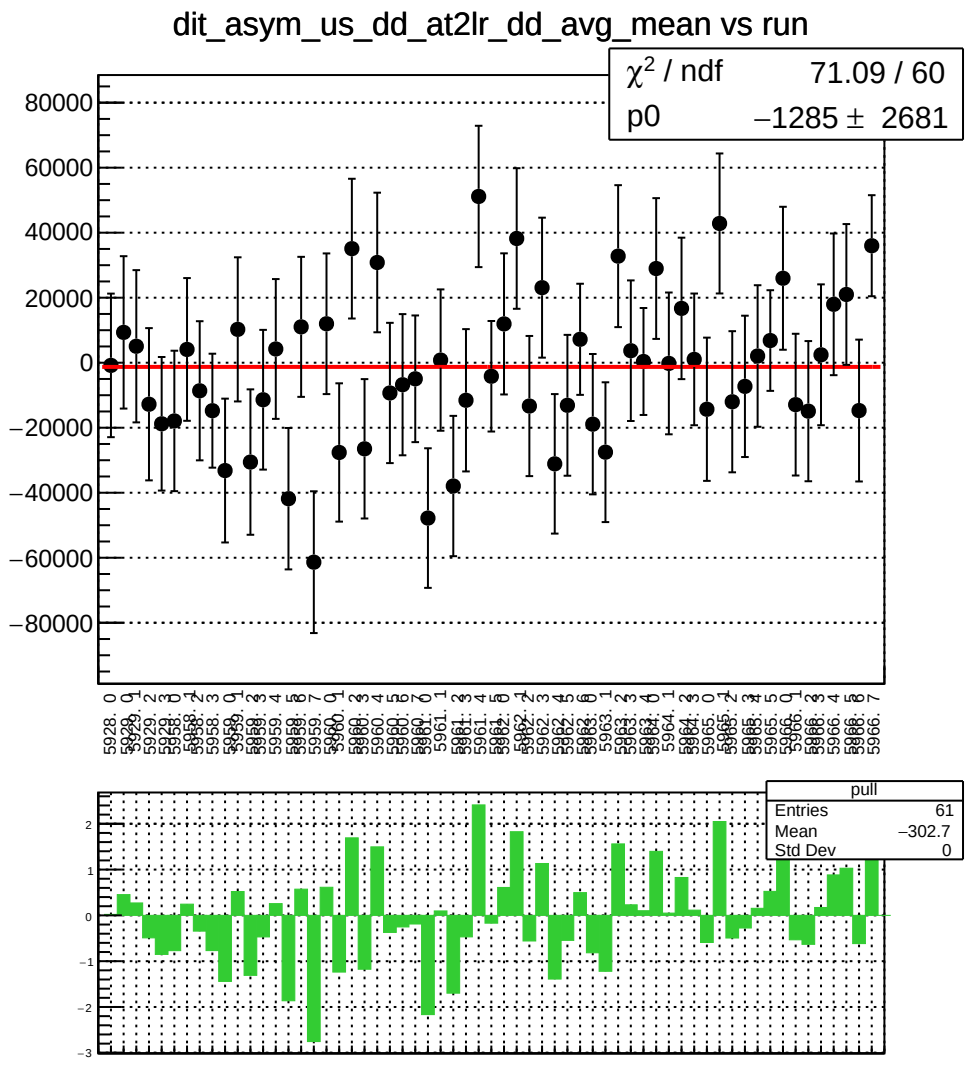

pull1D
Entries 61
Mean −0.01702
Std Dev 1.08

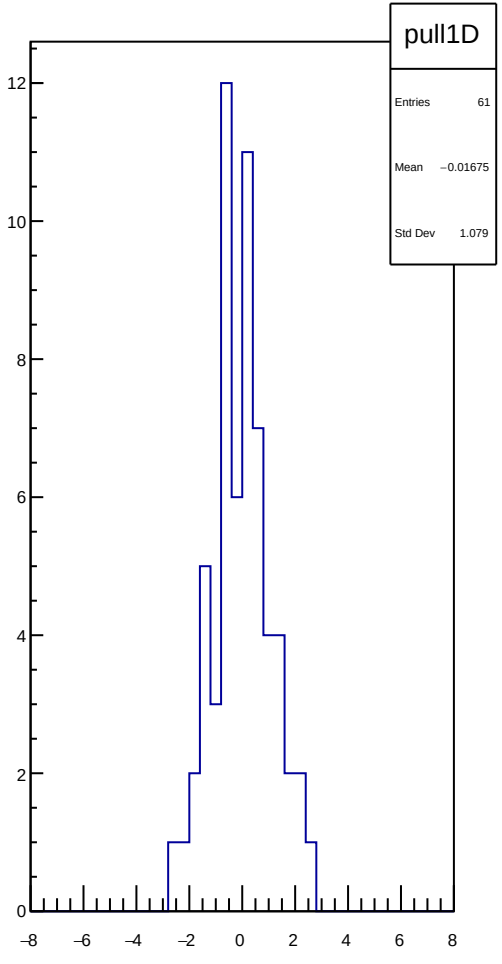

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 589.6 / 60
p0 2067 ± 1.893
2250
2200
2150
2100
2050
2000

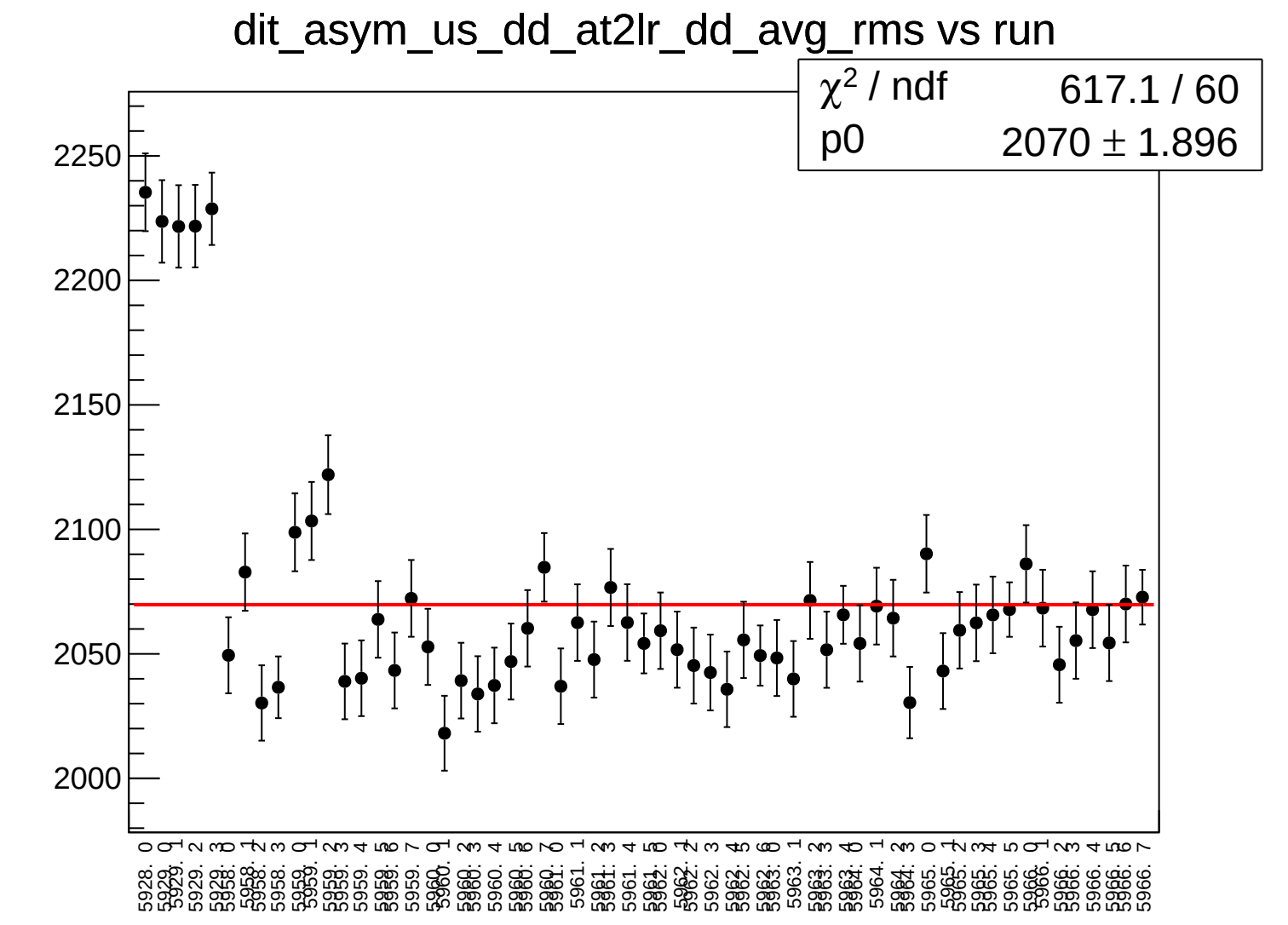

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.95 / 60
p0 −3096 ± 3958
pull
Entries 61
Mean 71.23
Std Dev 0

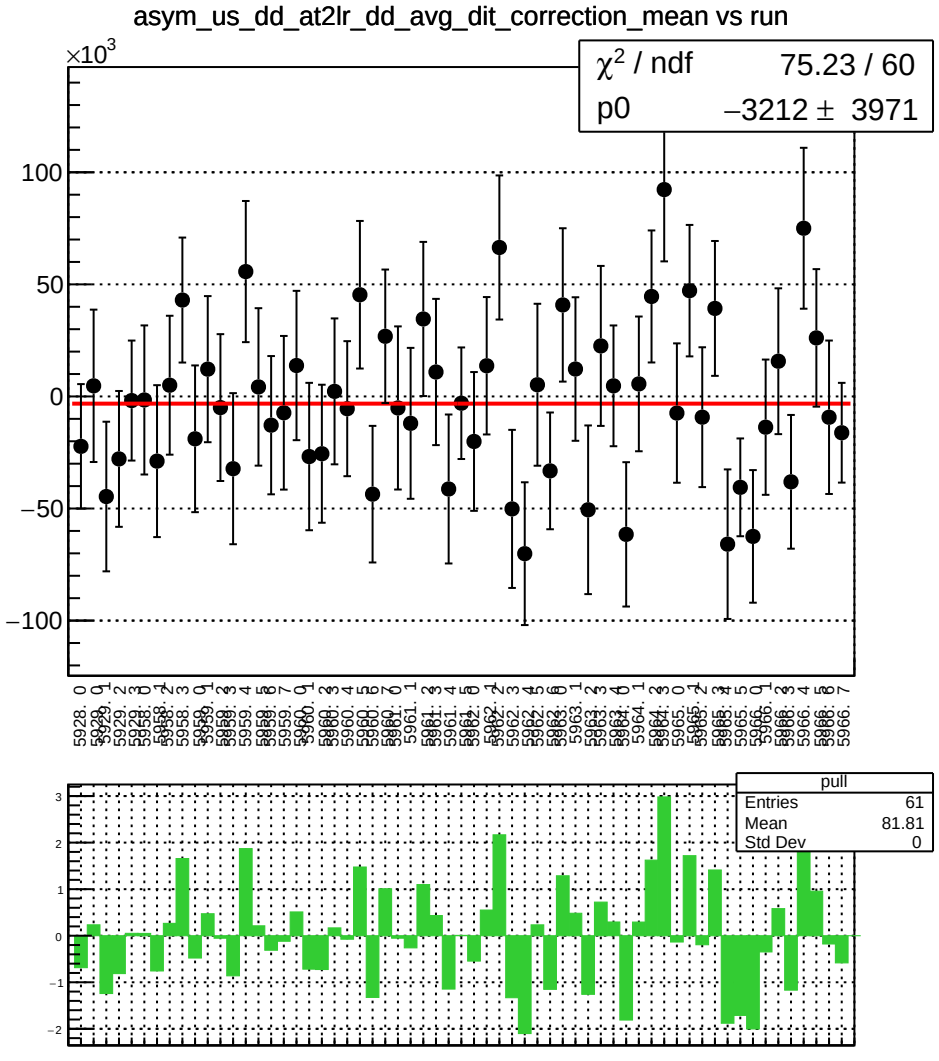

pull1D
Entries 61
Mean 0.01829
Std Dev 1.108

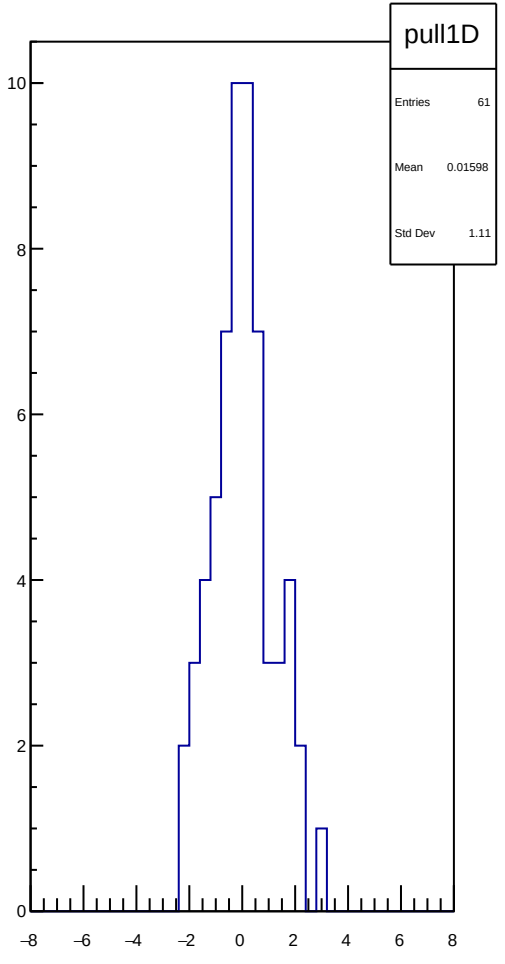

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4871 / 60
p0 3050 ± 2.799
3600
3400
3200
3000
2800
2600

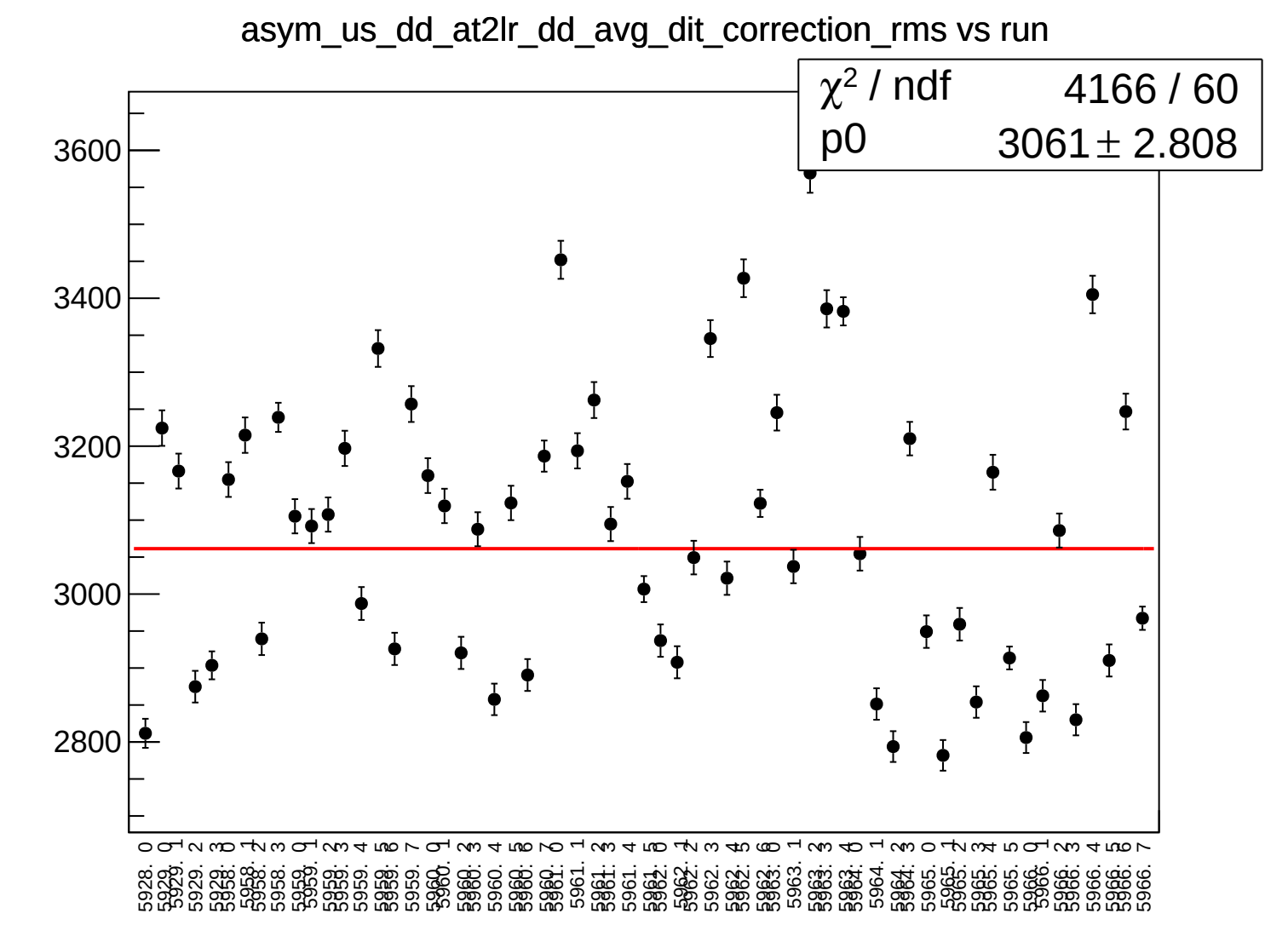

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 71.09 / 60
p0 −1285 ± 2681
pull
Entries 61
Mean −302.7
Std Dev 0

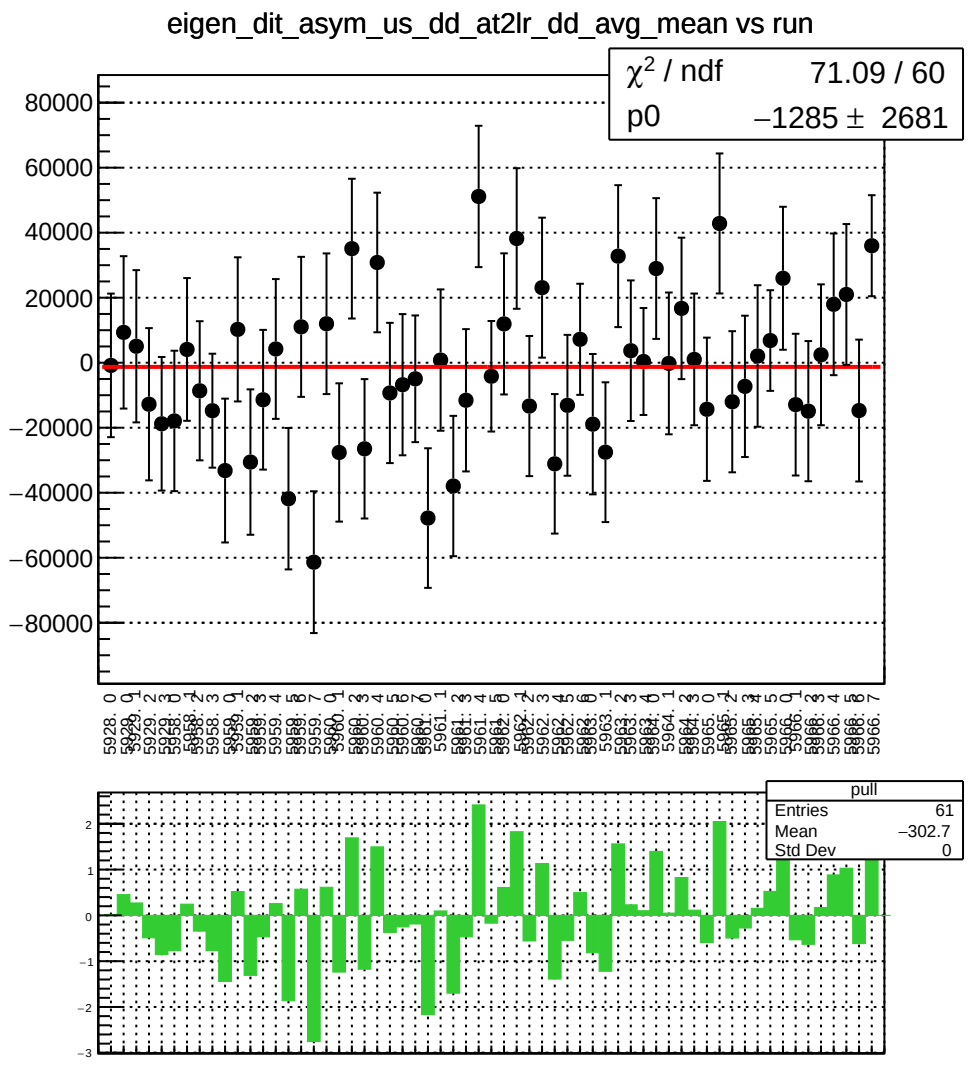

pull1D
Entries 61
Mean −0.01675
Std Dev 1.079

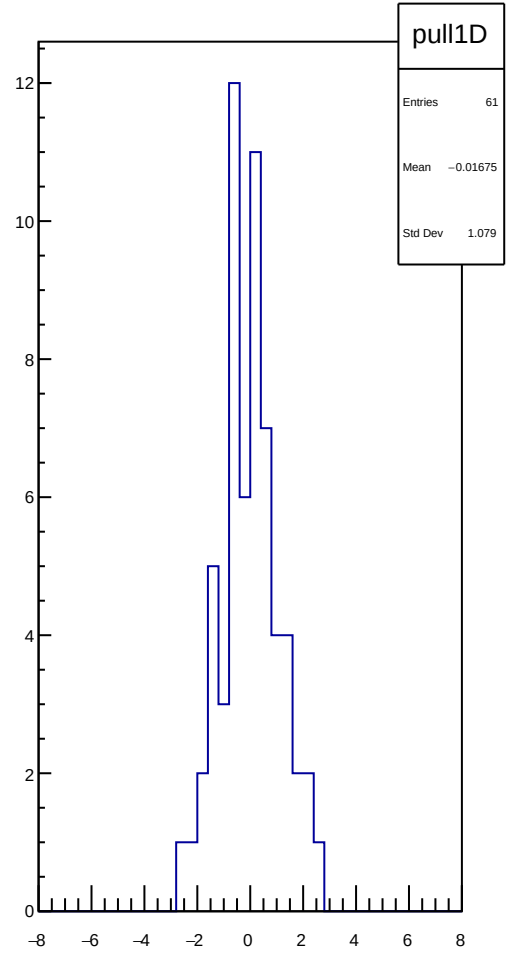

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 617.1 / 60
p0 2070 ± 1.896
2250
2200
2150
2100
2050
2000

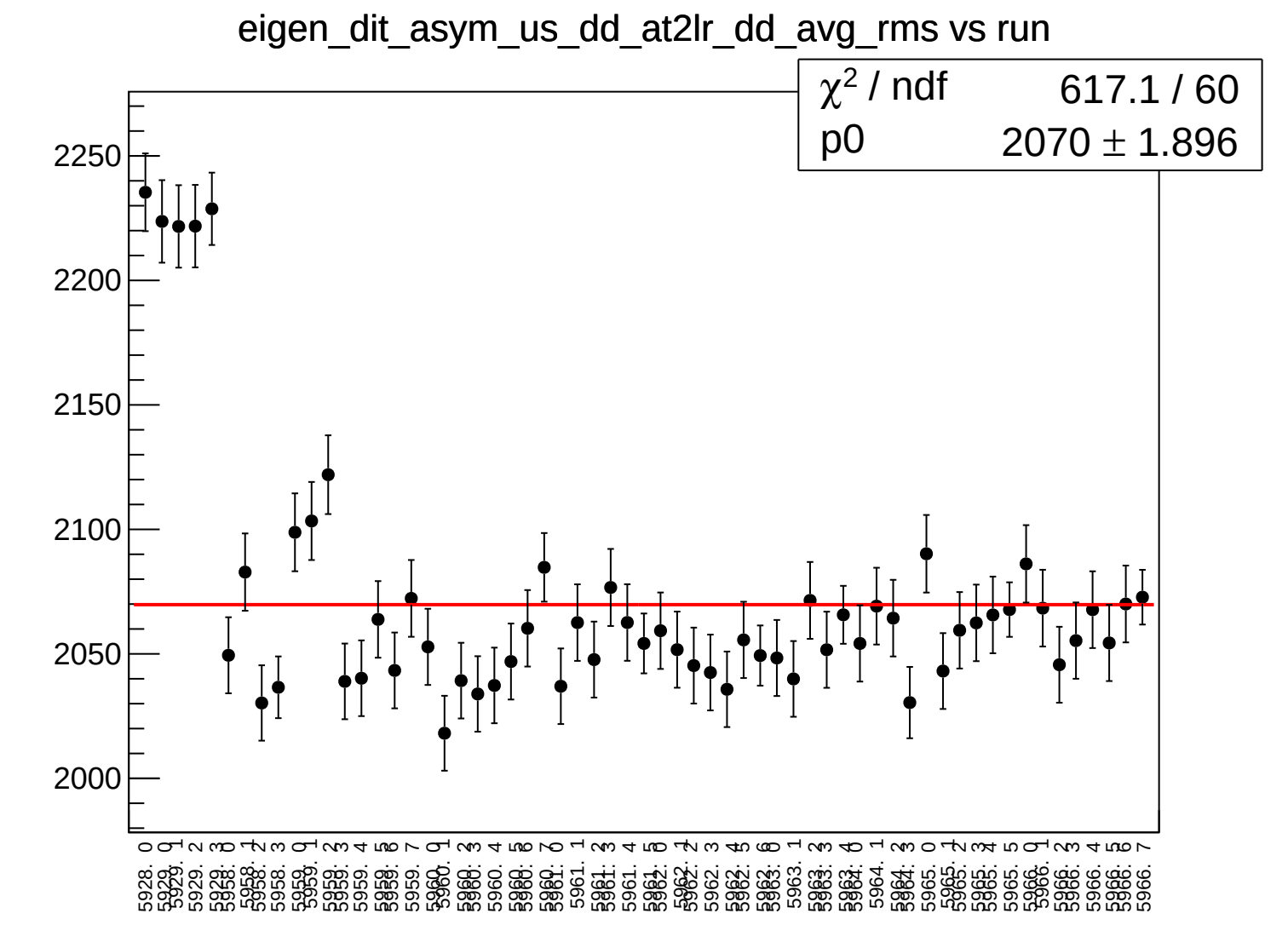

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 75.23 / 60
p0 −3212 ± 3971
100
50
0
−50
−100
pull
Entries 61
Mean 81.81
Std Dev 0
3
2
1
0
−1
−2

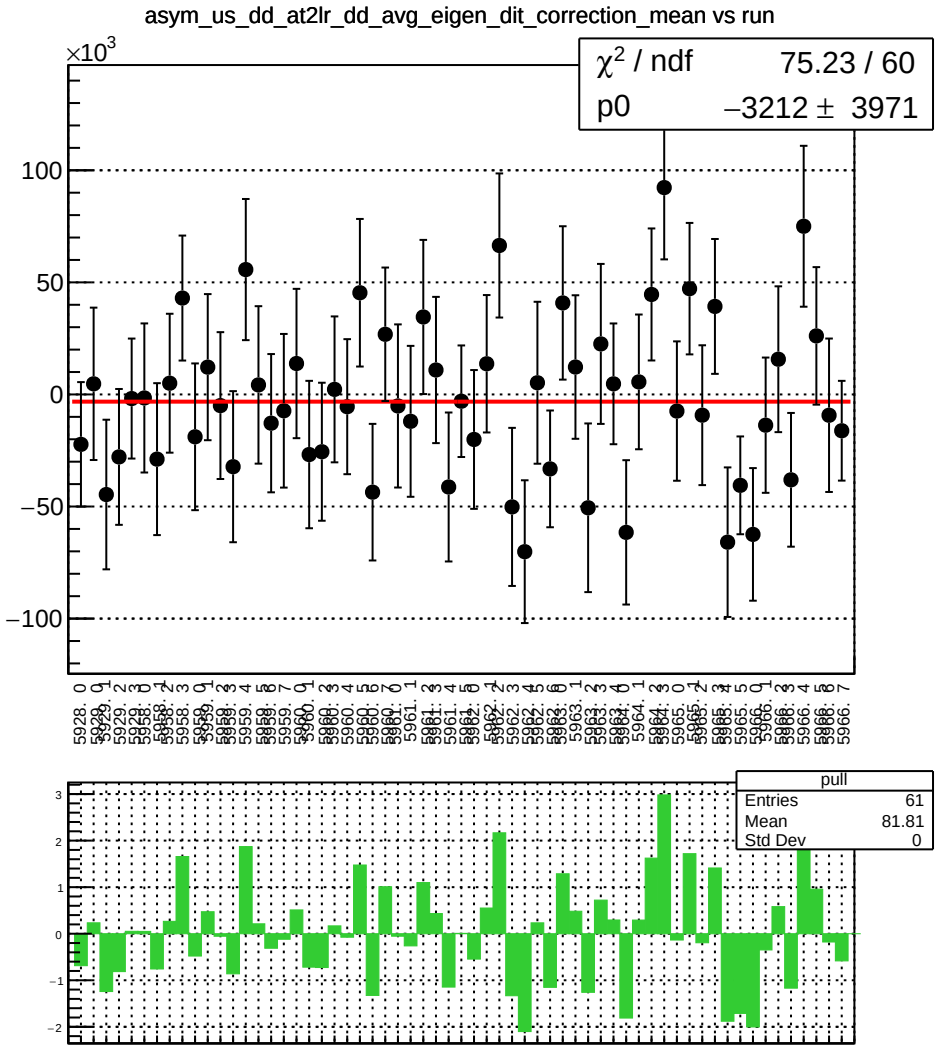

pull1D
Entries 61
Mean 0.01598
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

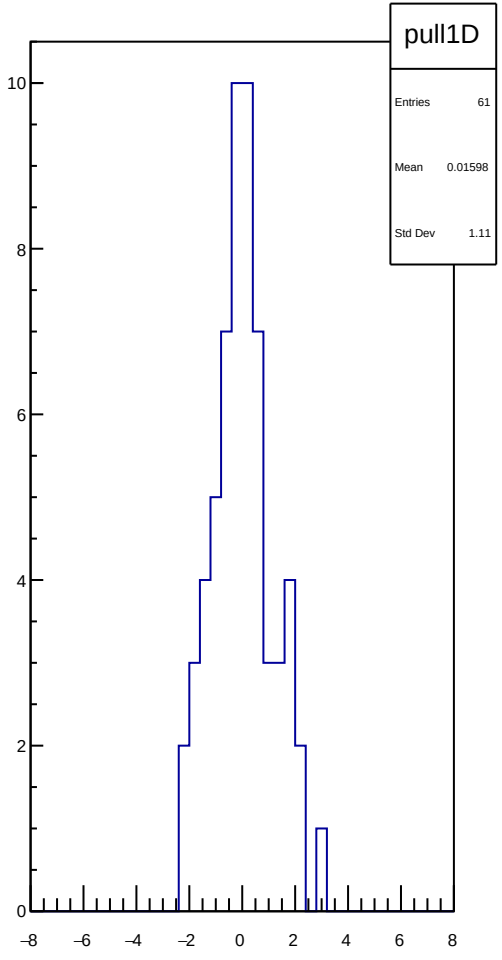

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 4166 / 60
p0 3061 ± 2.808
3600
3400
3200
3000
2800

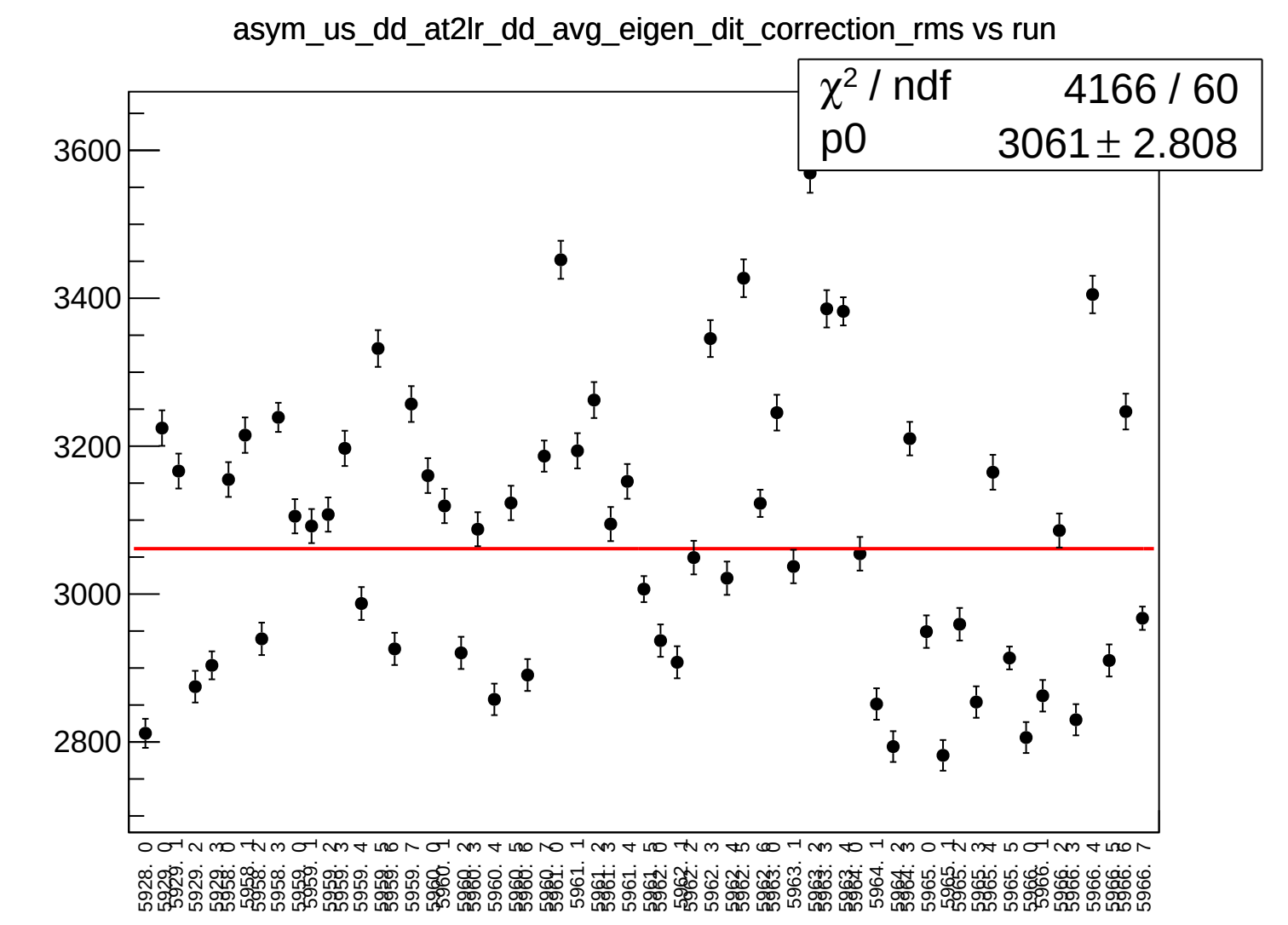

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 71.09 / 60
p0 −1285 ± 2681
pull
Entries 61
Mean −302.7
Std Dev 0

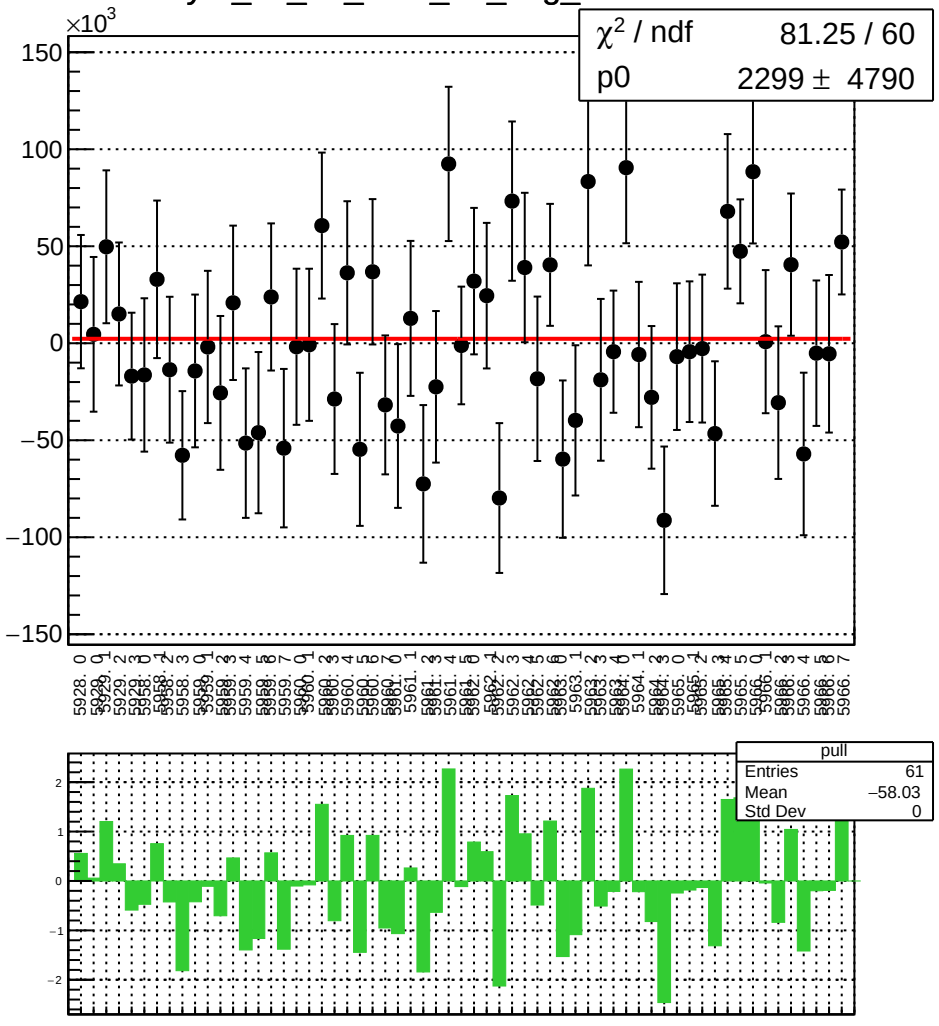

pull1D
Entries 61
Mean −0.01675
Std Dev 1.079

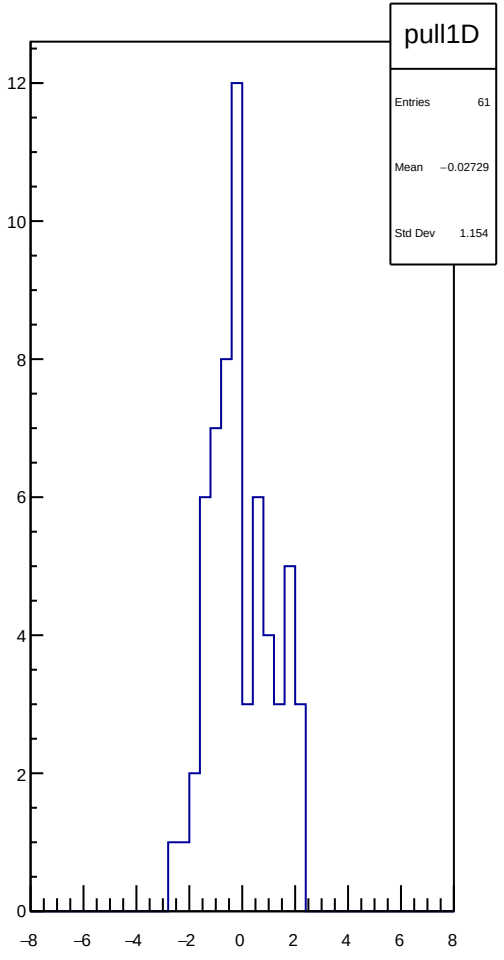

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 617.1 / 60
p0 2070 ± 1.896
2250
2200
2150
2100
2050
2000

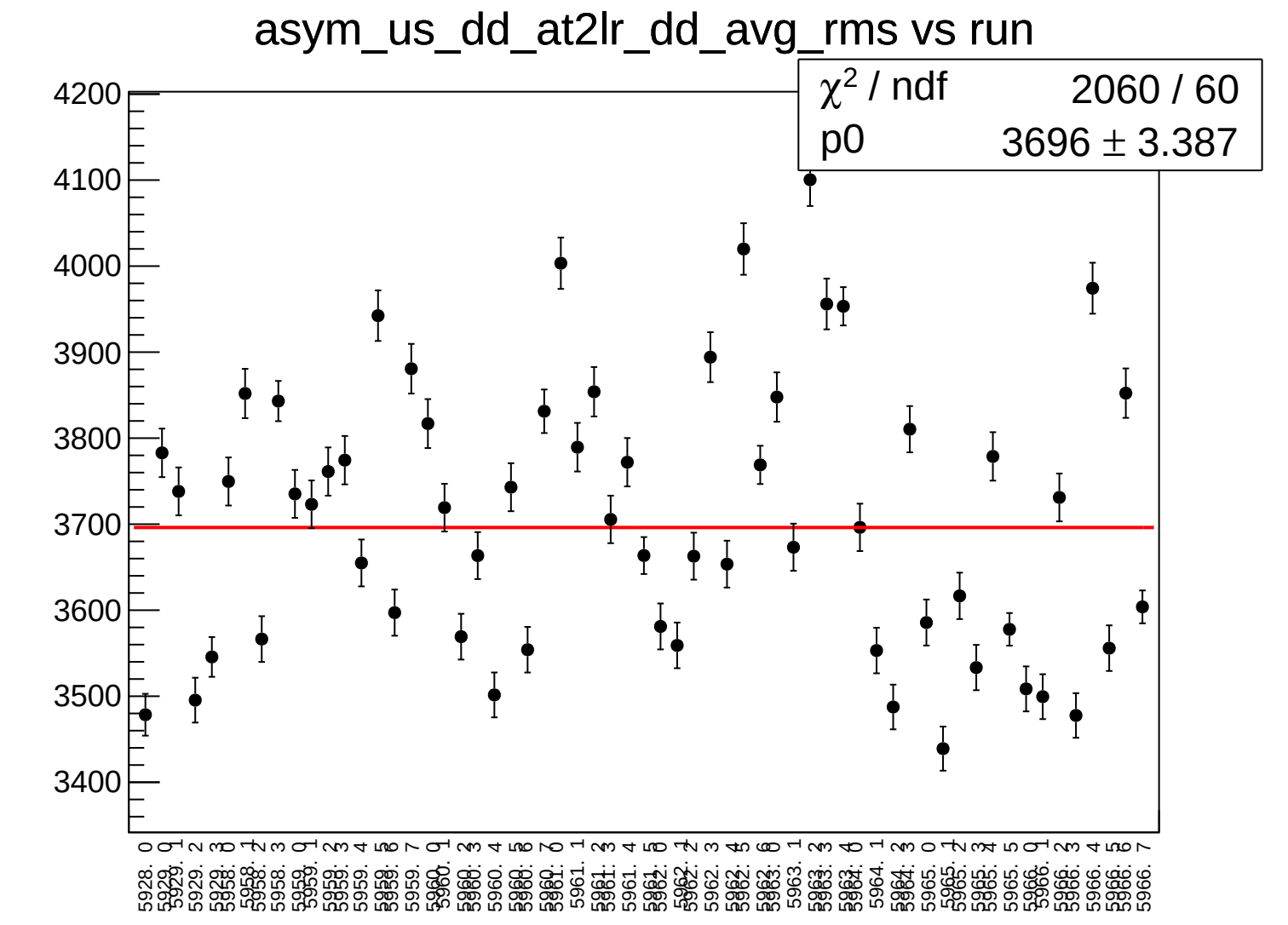

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 75.23 / 60
p0 −3212 ± 3971
pull
Entries 61
Mean 81.81
Std Dev 0

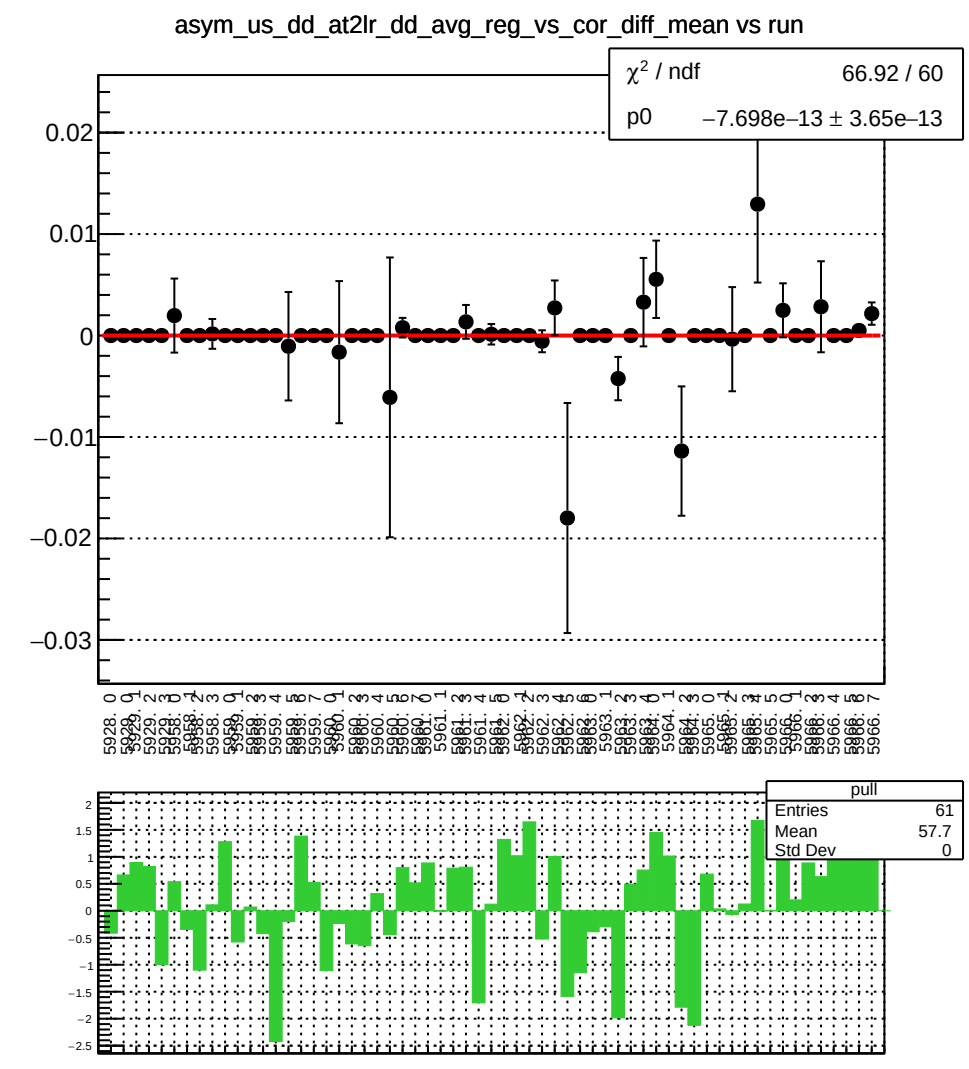

pull1D
Entries 61
Mean 0.01598
Std Dev 1.11

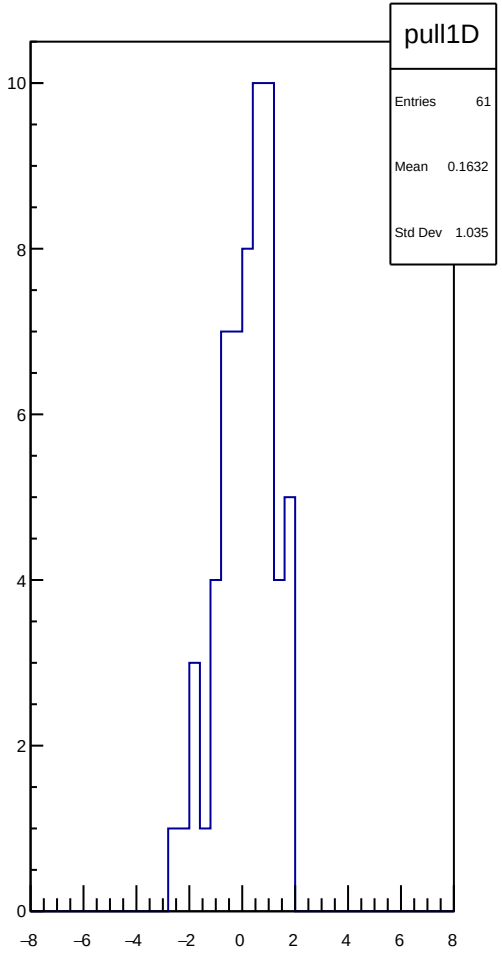

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4166 / 60
p0 3061 ± 2.808
3600
3400
3200
3000
2800

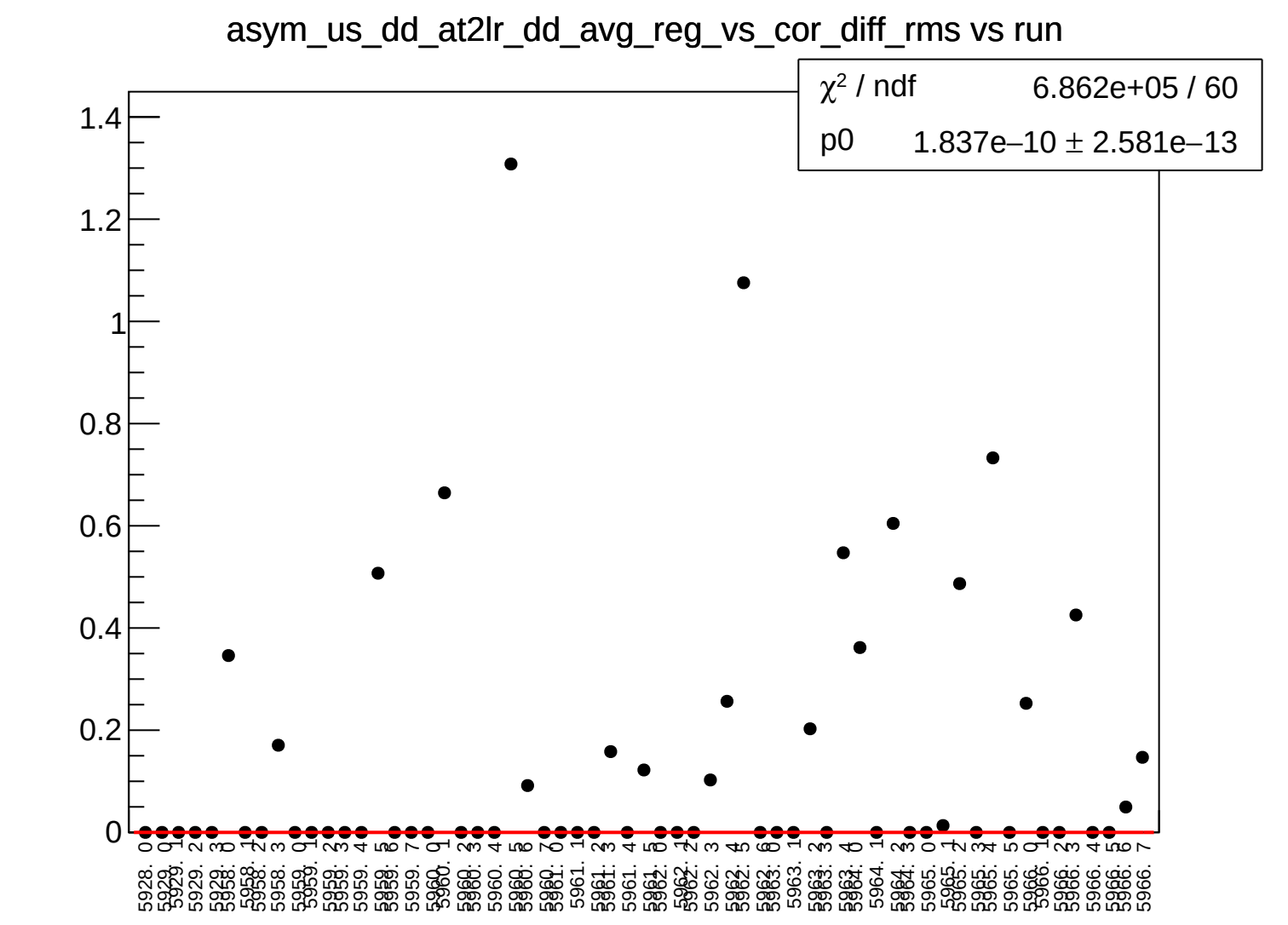

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 81.25 / 60
p0 2299 ± 4790
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −58.03
Std Dev 0
2
1
0
−1
−2

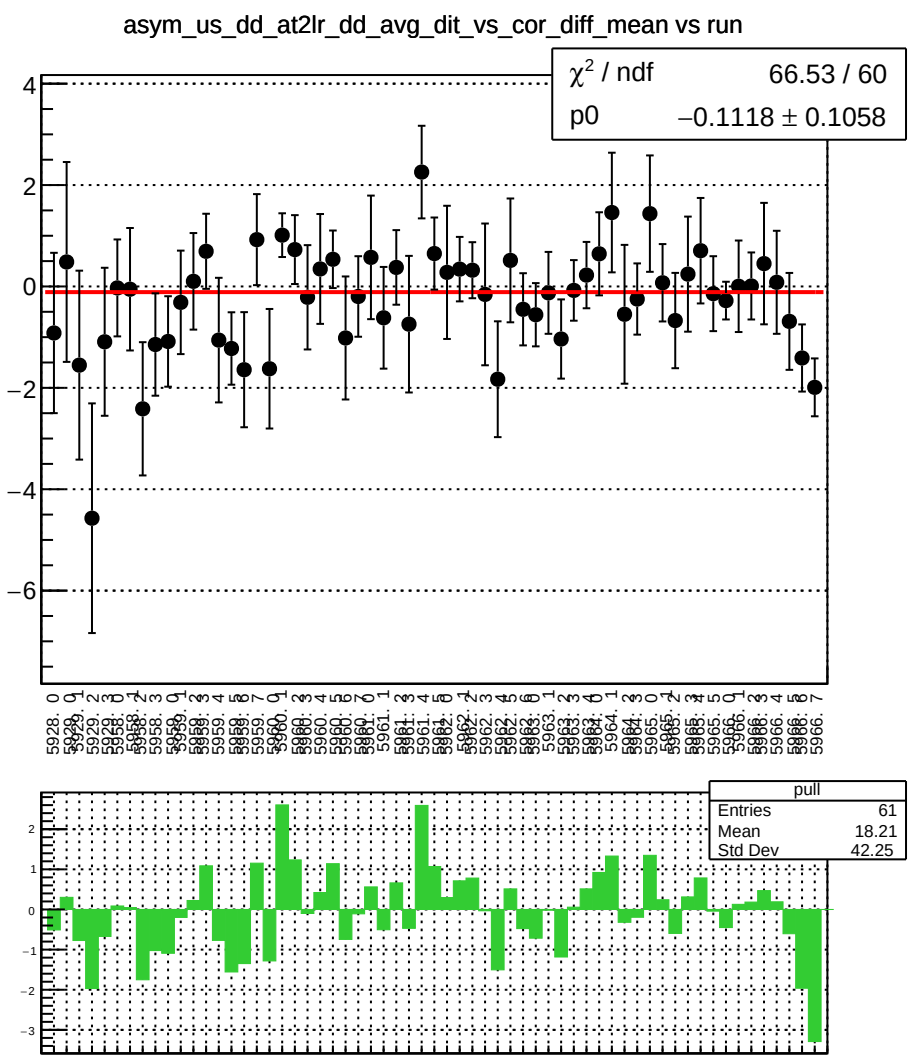

pull1D
Entries 61
Mean −0.02729
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

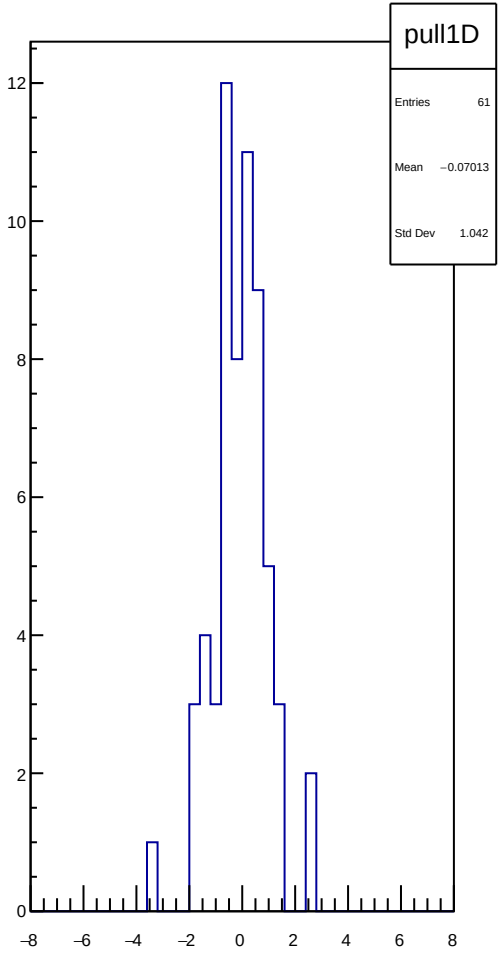

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 2060 / 60
p0 3696 ± 3.387
4200
4100
4000
3900
3800
3700
3600
3500
3400

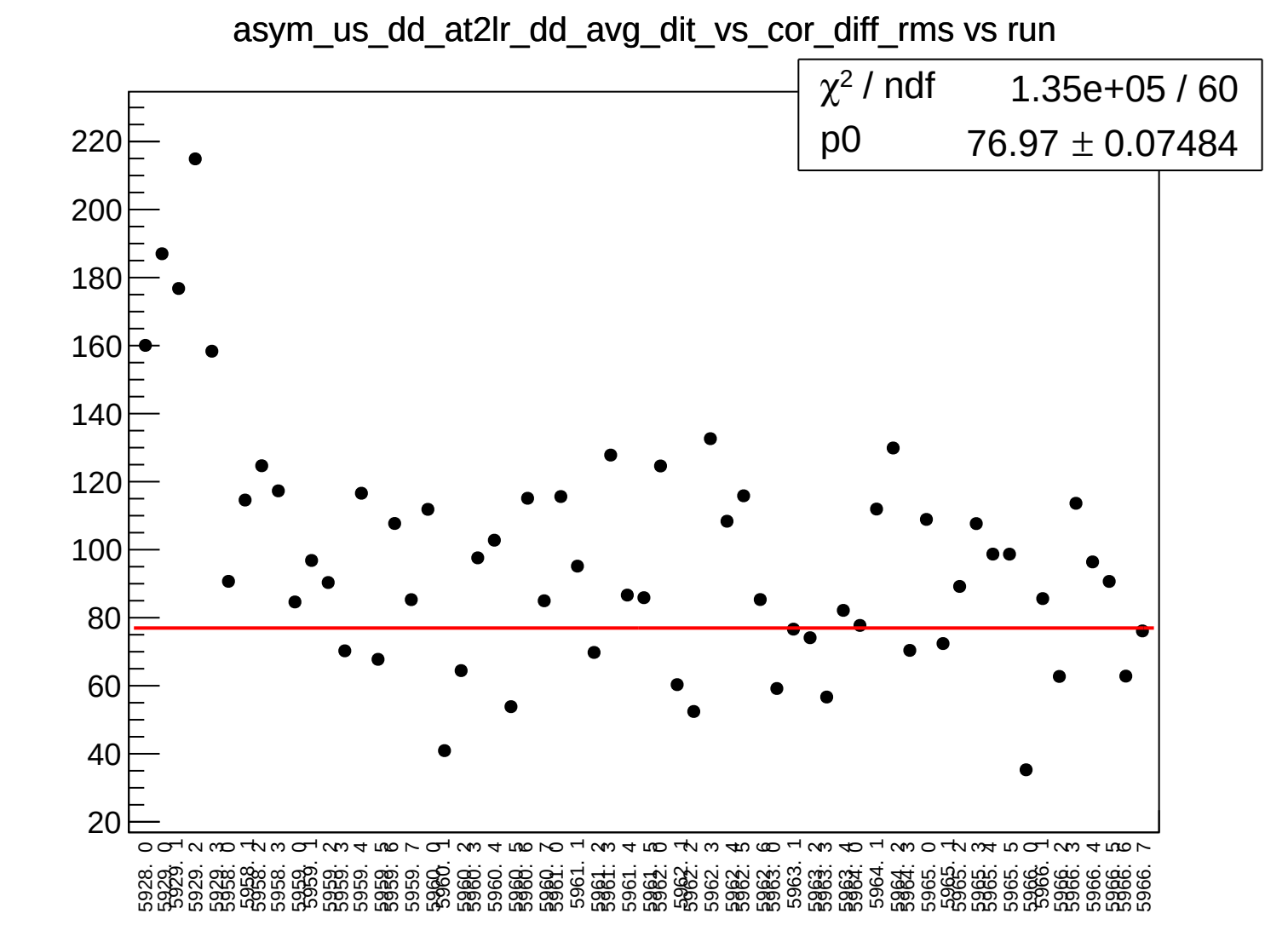

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 66.92 / 60
p0 −7.698e−13 ± 3.65e−13
pull
Entries 61
Mean 57.7
Std Dev 0

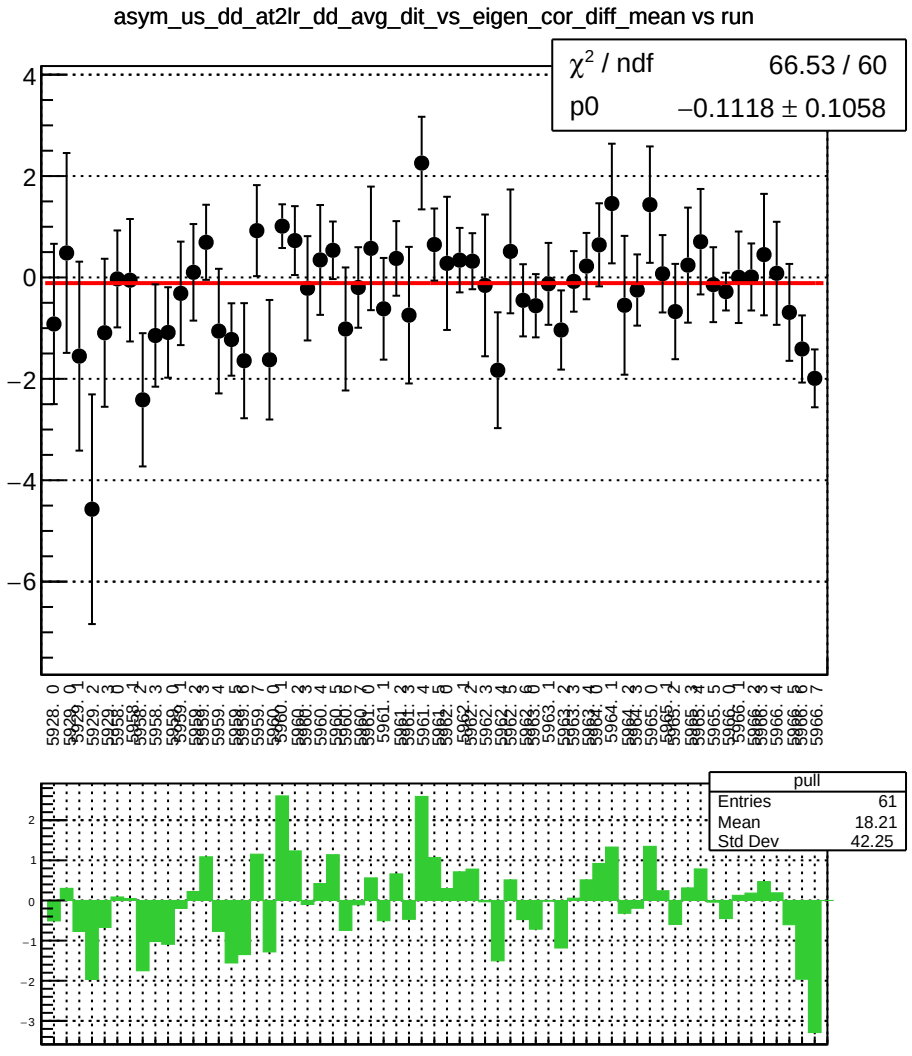

pull1D
Entries 61
Mean 0.1632
Std Dev 1.035

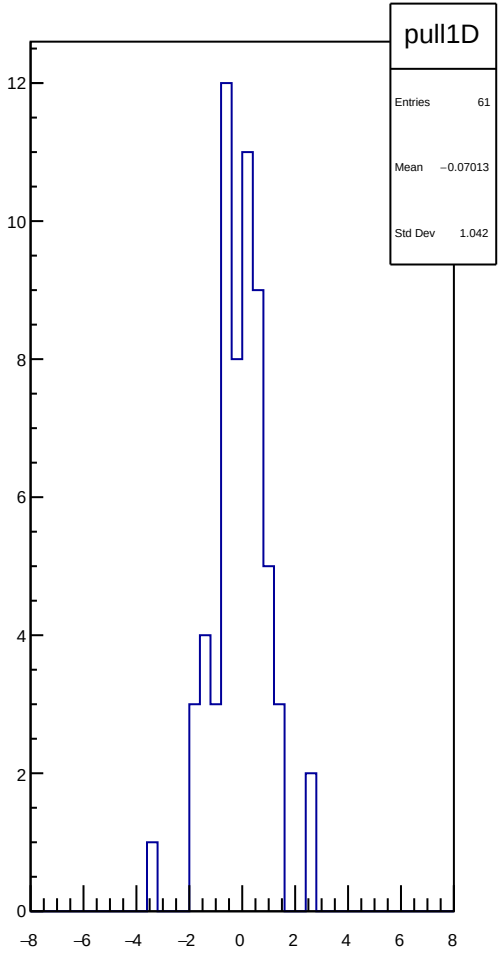

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.862e+05 / 60
p0 1.837e−10 ± 2.581e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

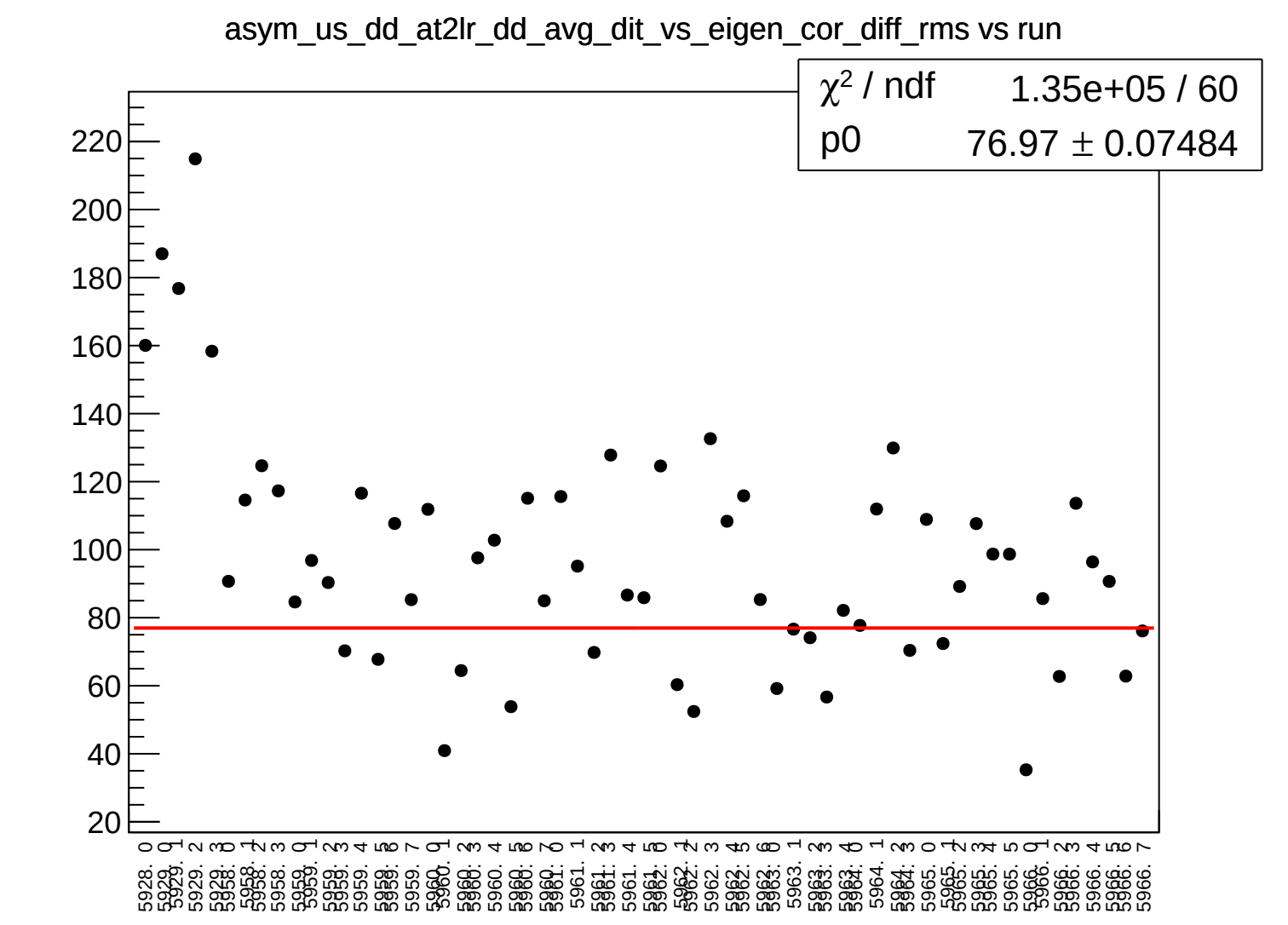

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.53 / 60
p0 −0.1118 ± 0.1058
pull
Entries 61
Mean 18.21
Std Dev 42.25

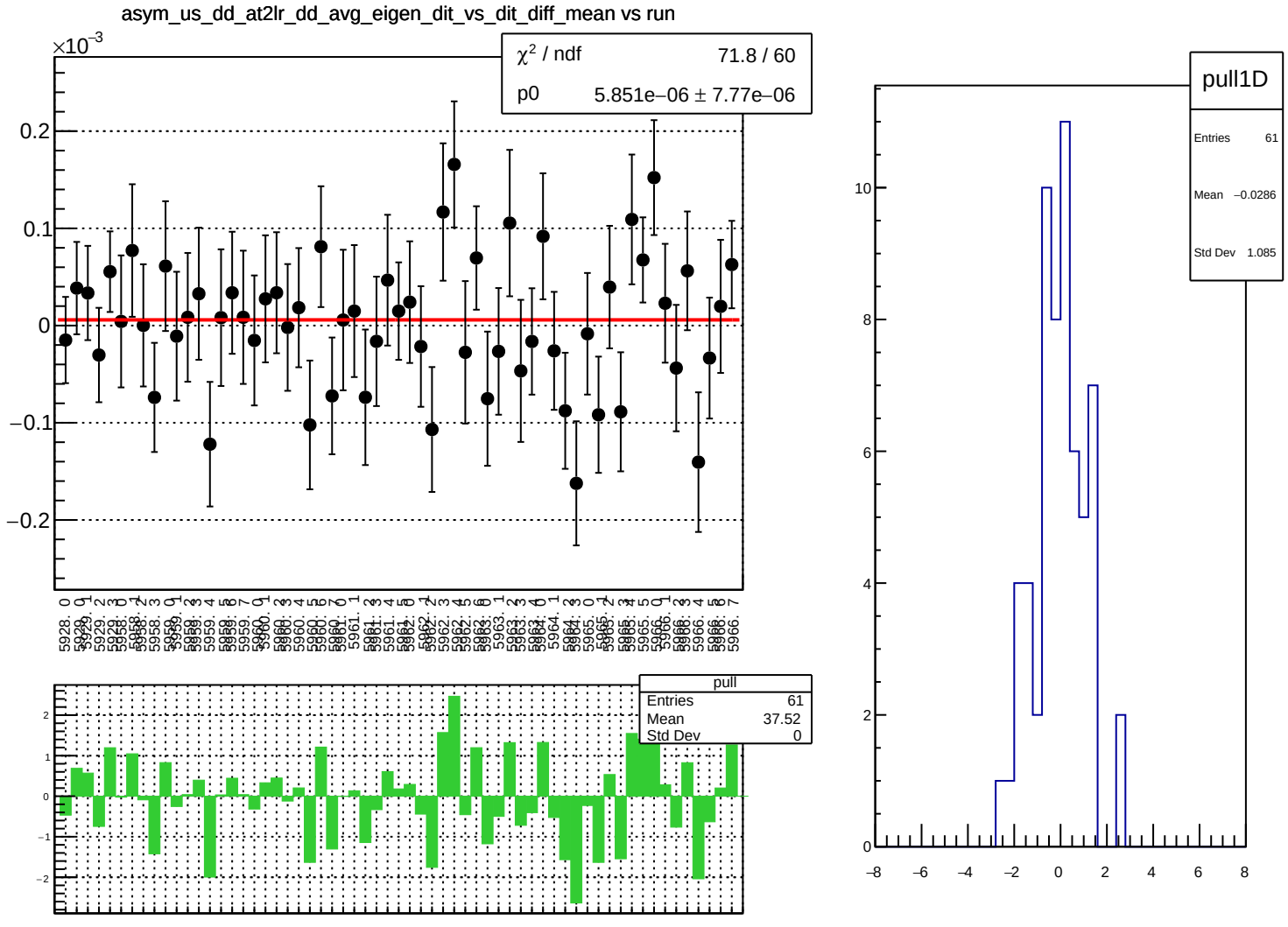

pull1D
Entries 61
Mean −0.07013
Std Dev 1.042

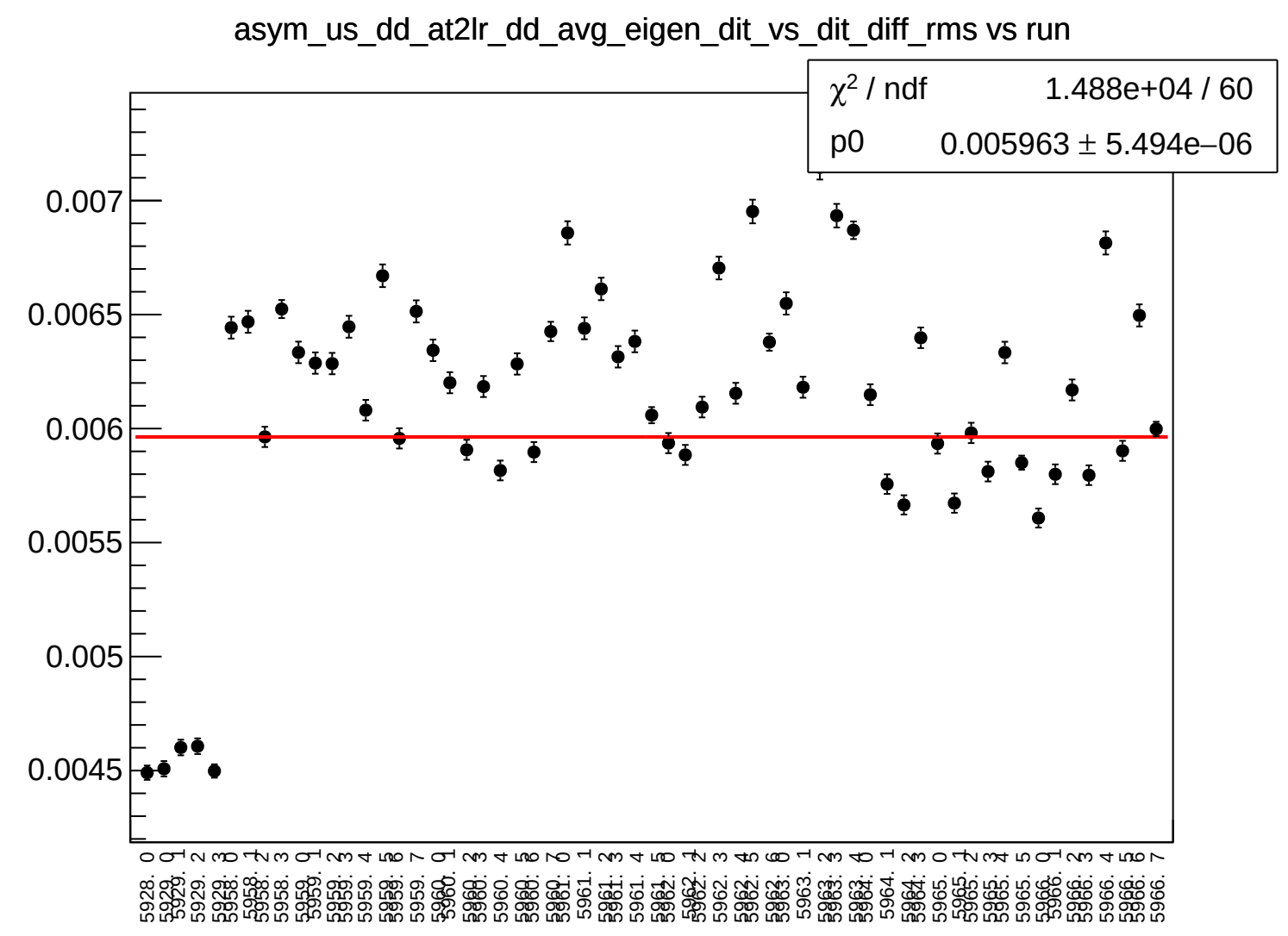

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 60
p0 76.97 ± 0.07484
220
200
180
160
140
120
100
80
60
40
20

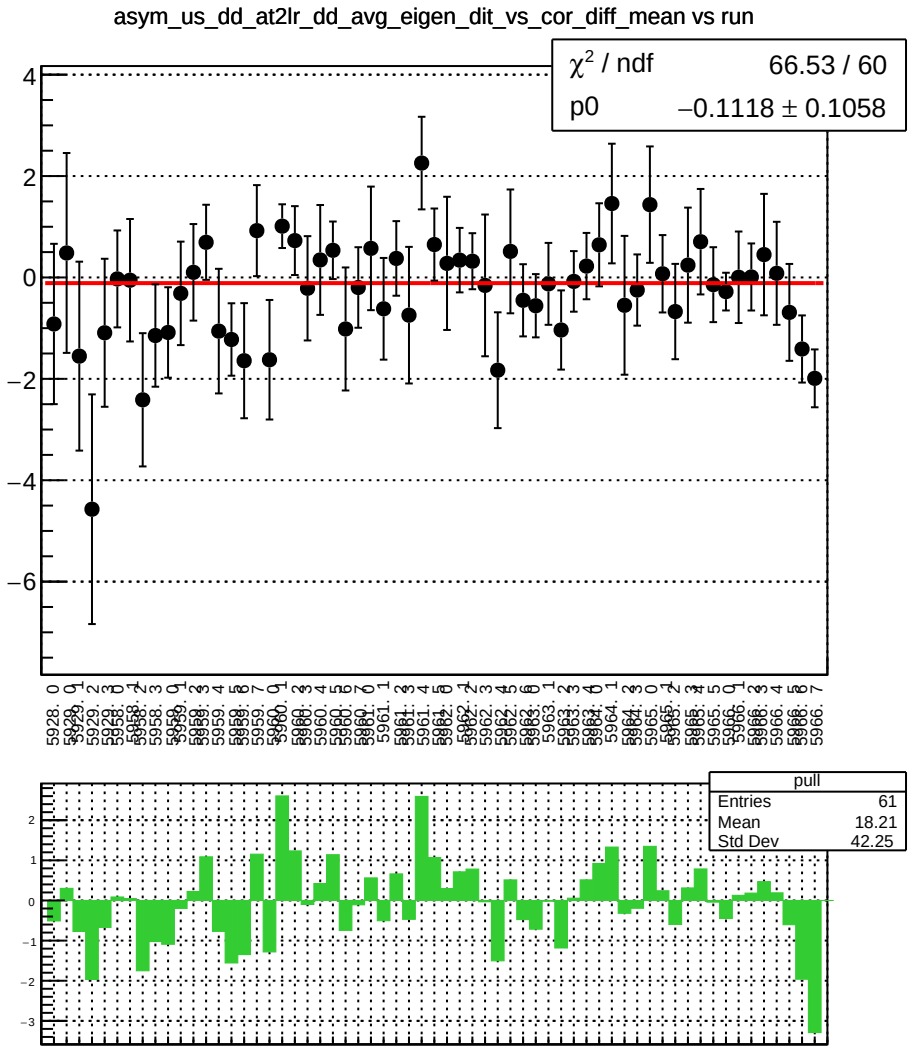

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.53 / 60
p0 −0.1118 ± 0.1058
pull
Entries 61
Mean 18.21
Std Dev 42.25

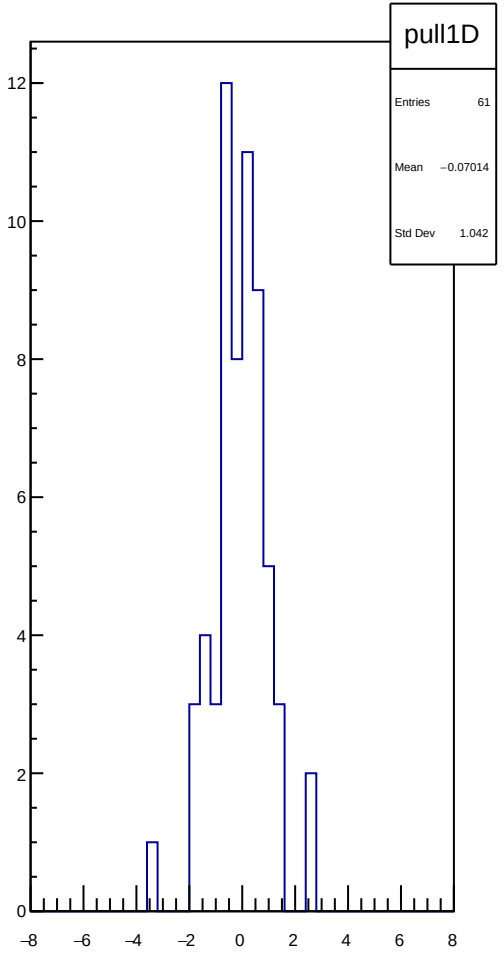

pull1D
Entries 61
Mean −0.07013
Std Dev 1.042

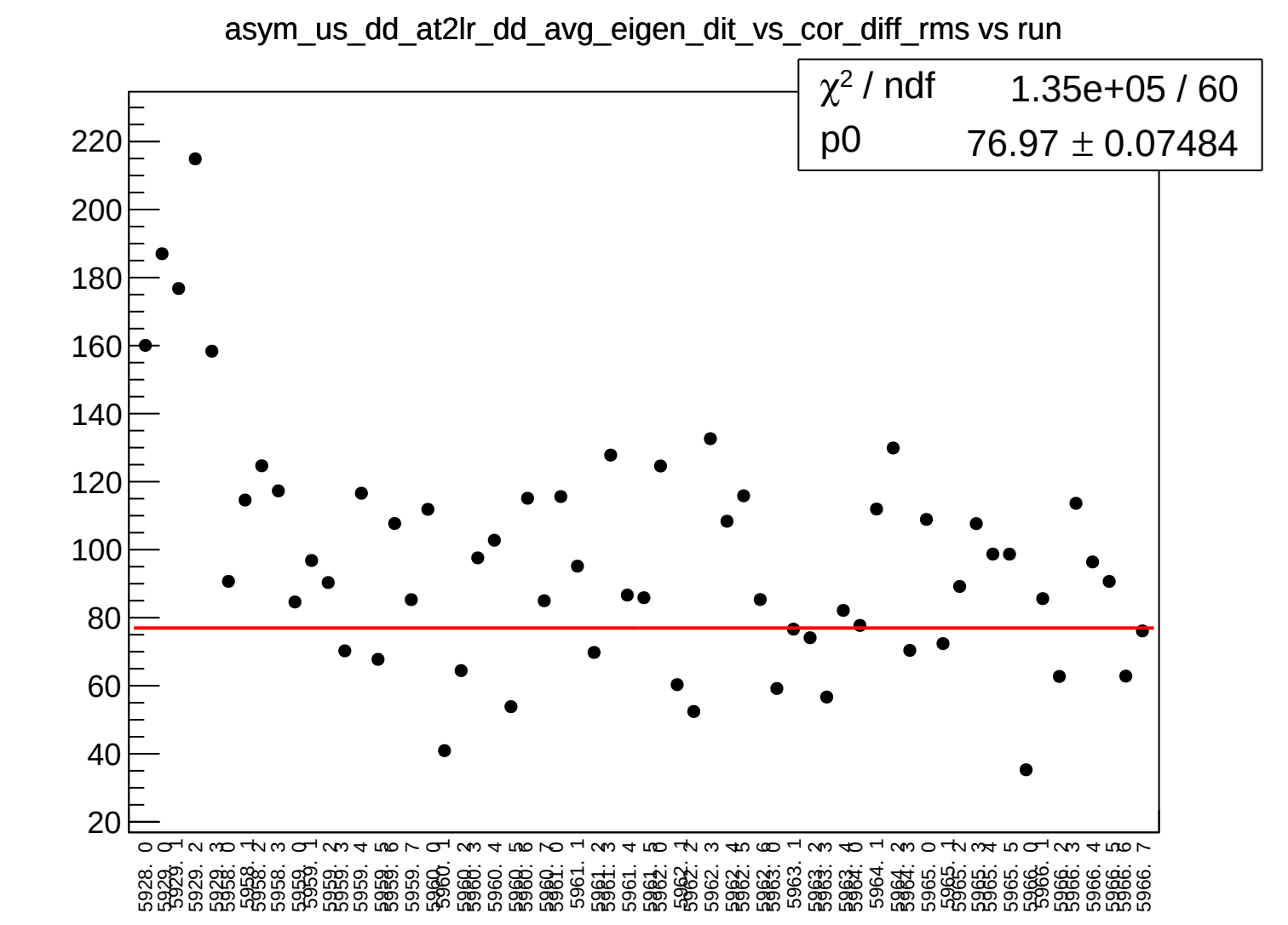

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 60
p0 76.97 ± 0.07484
220
200
180
160
140
120
100
80
60
40
20

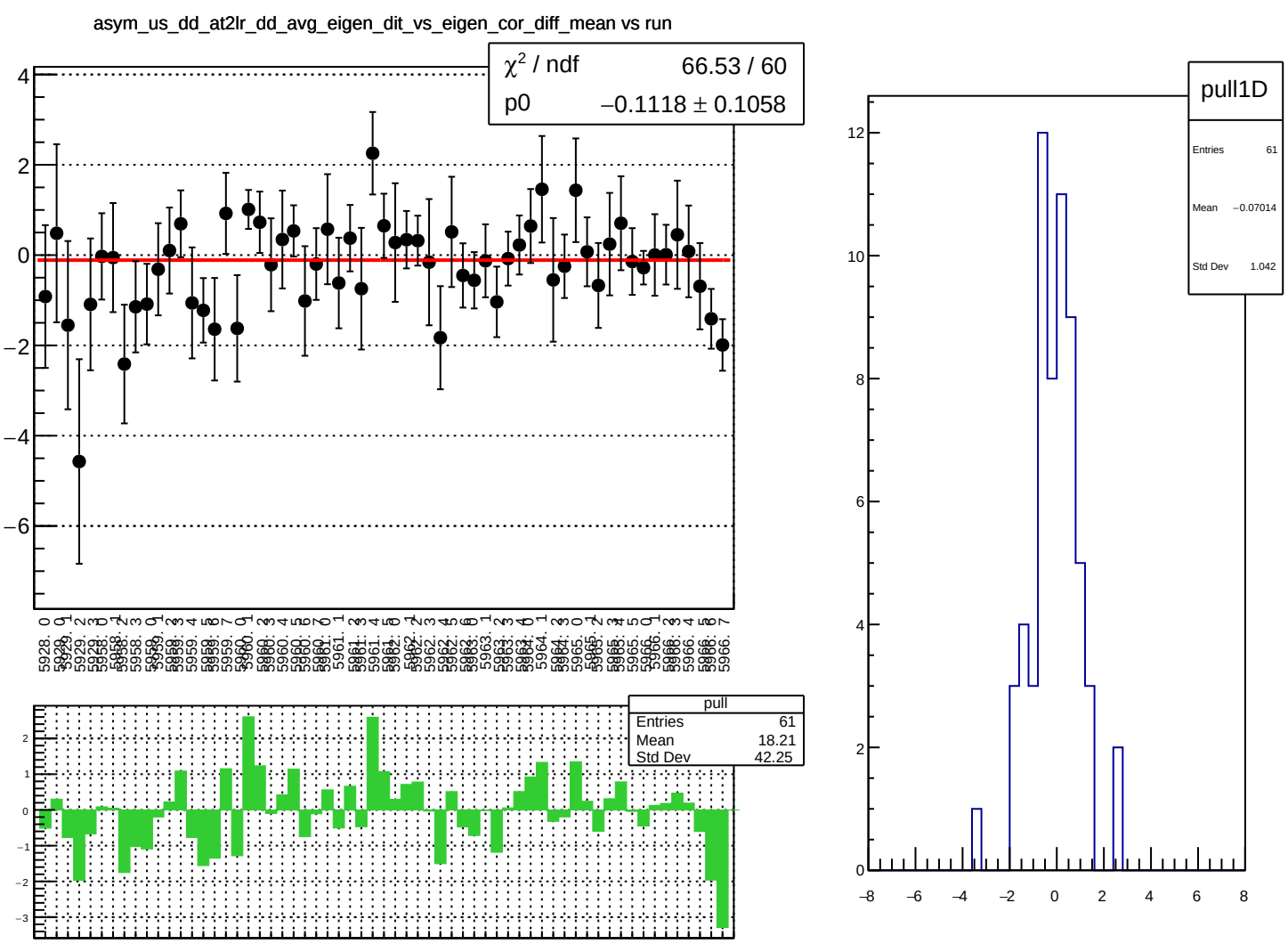

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 71.8 / 60
p0 5.851e−06 ± 7.77e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 61
Mean 37.52
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.0286
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

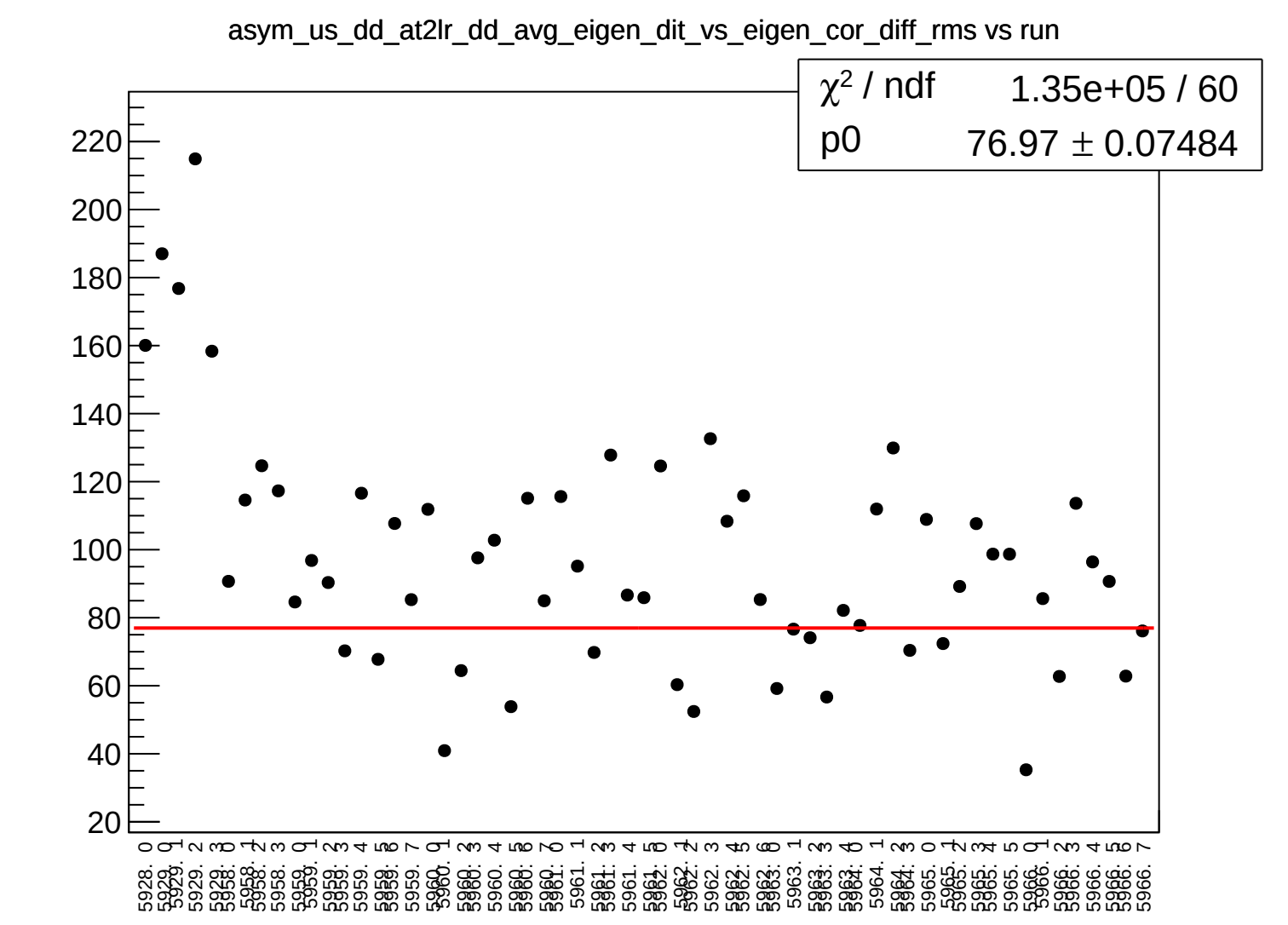

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.488e+04 / 60
p0 0.005963 ± 5.494e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045

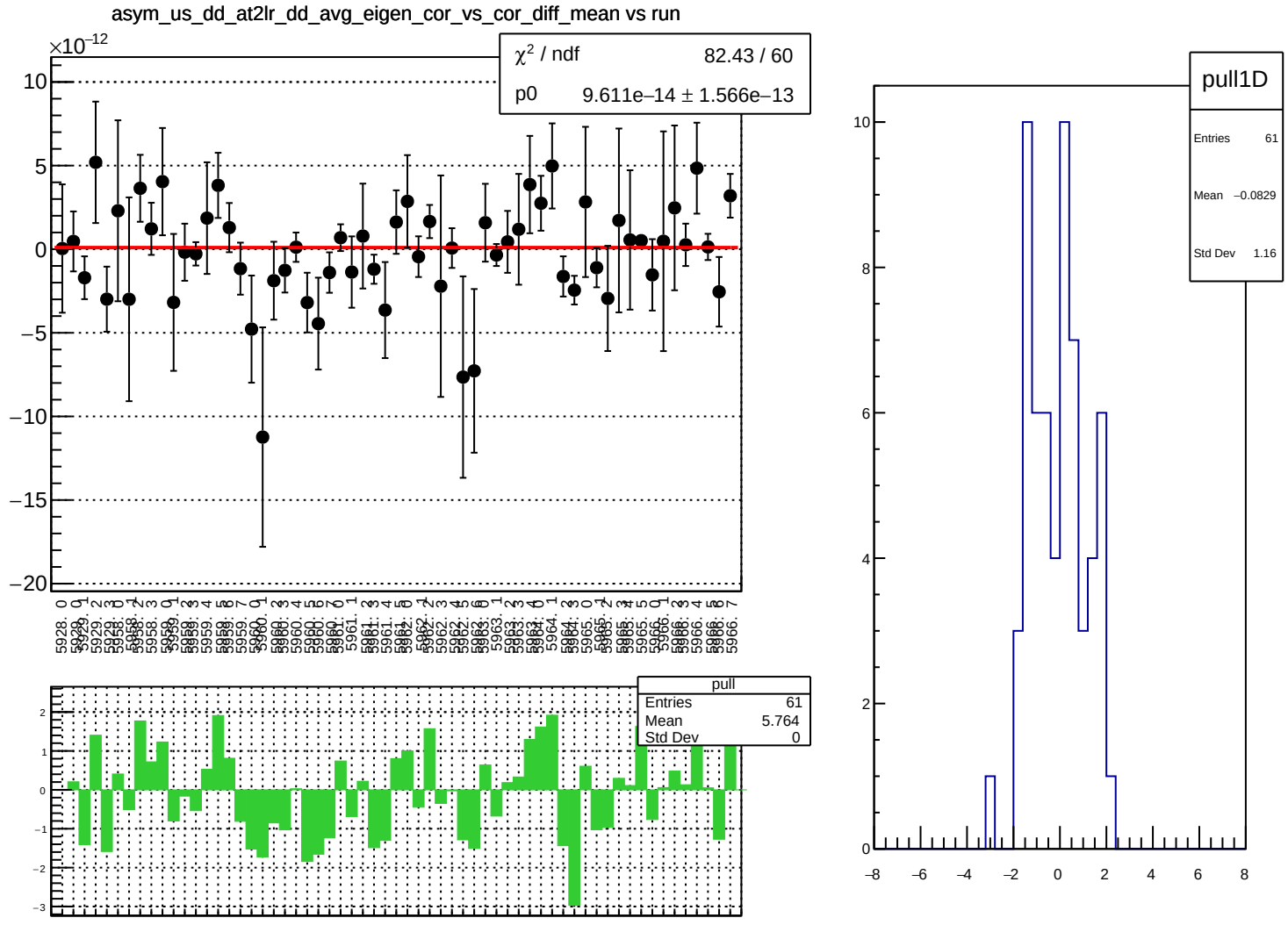

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.53 / 60
p0 −0.1118 ± 0.1058
pull
Entries 61
Mean 18.21
Std Dev 42.25

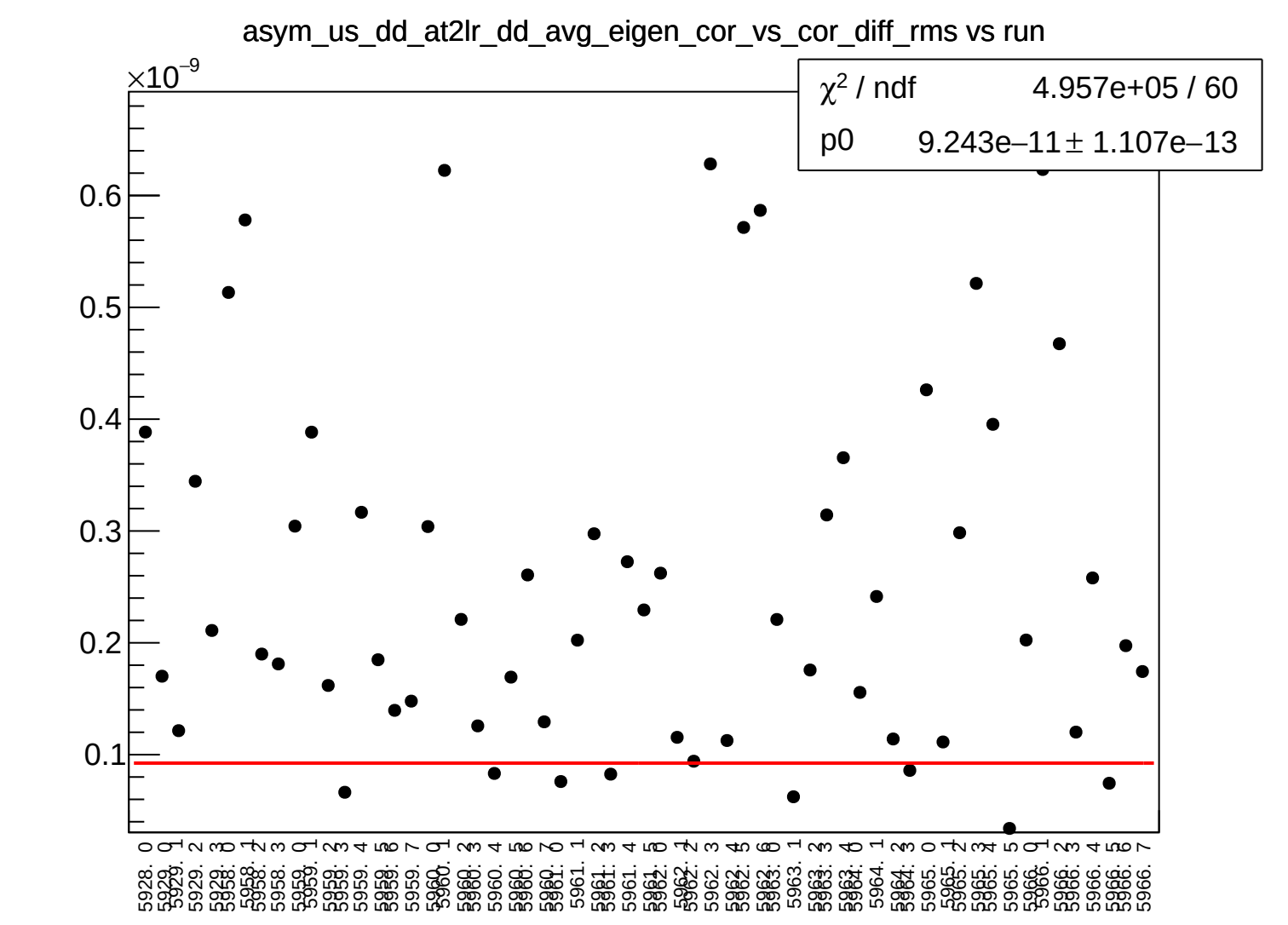

pull1D
Entries 61
Mean −0.07014
Std Dev 1.042

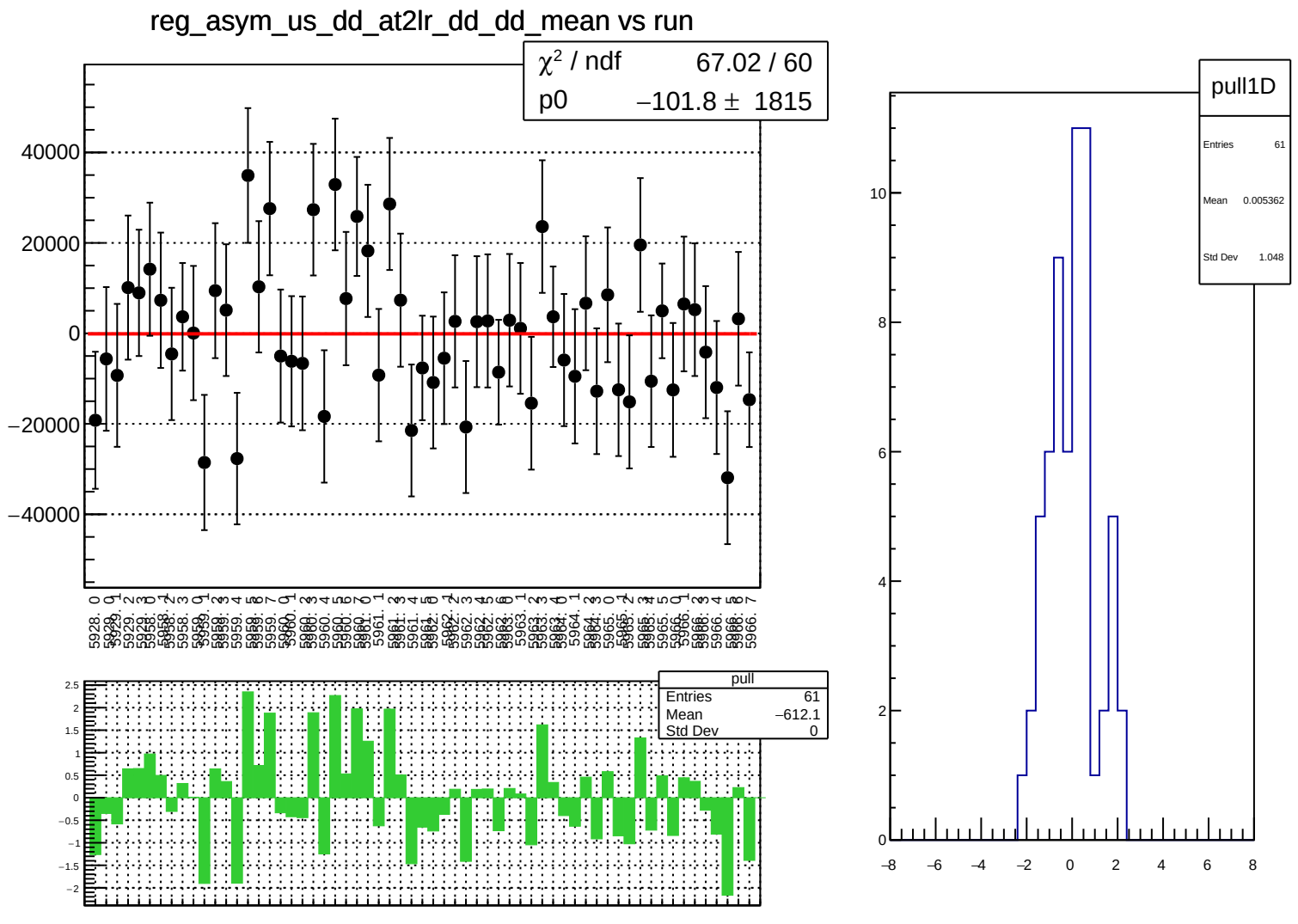

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 60
p0 76.97 ± 0.07484
220
200
180
160
140
120
100
80
60
40
20

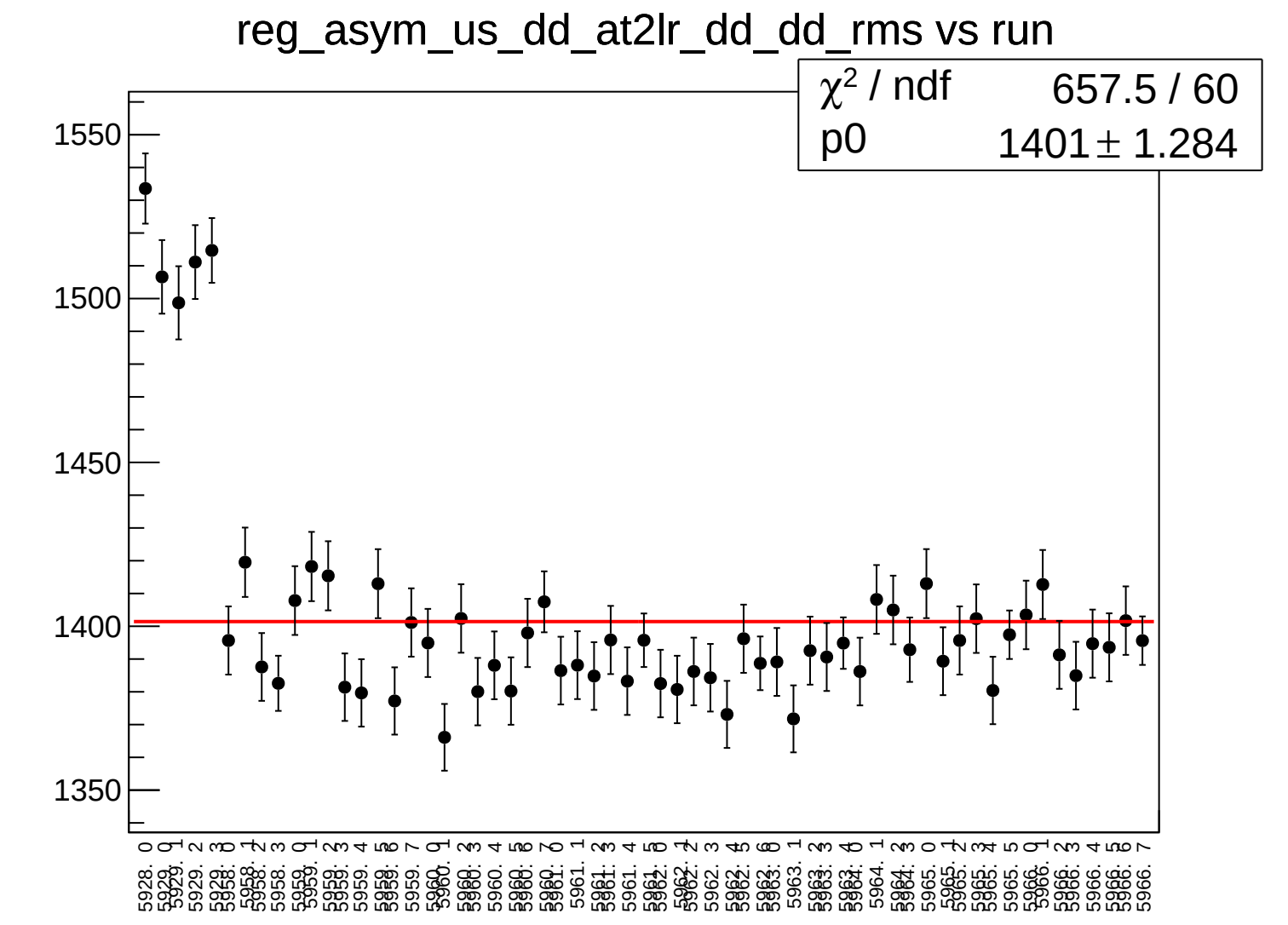

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.53 / 60
p0 −0.1118 ± 0.1058
pull
Entries 61
Mean 18.21
Std Dev 42.25
pull1D
Entries 61
Mean −0.07014
Std Dev 1.042

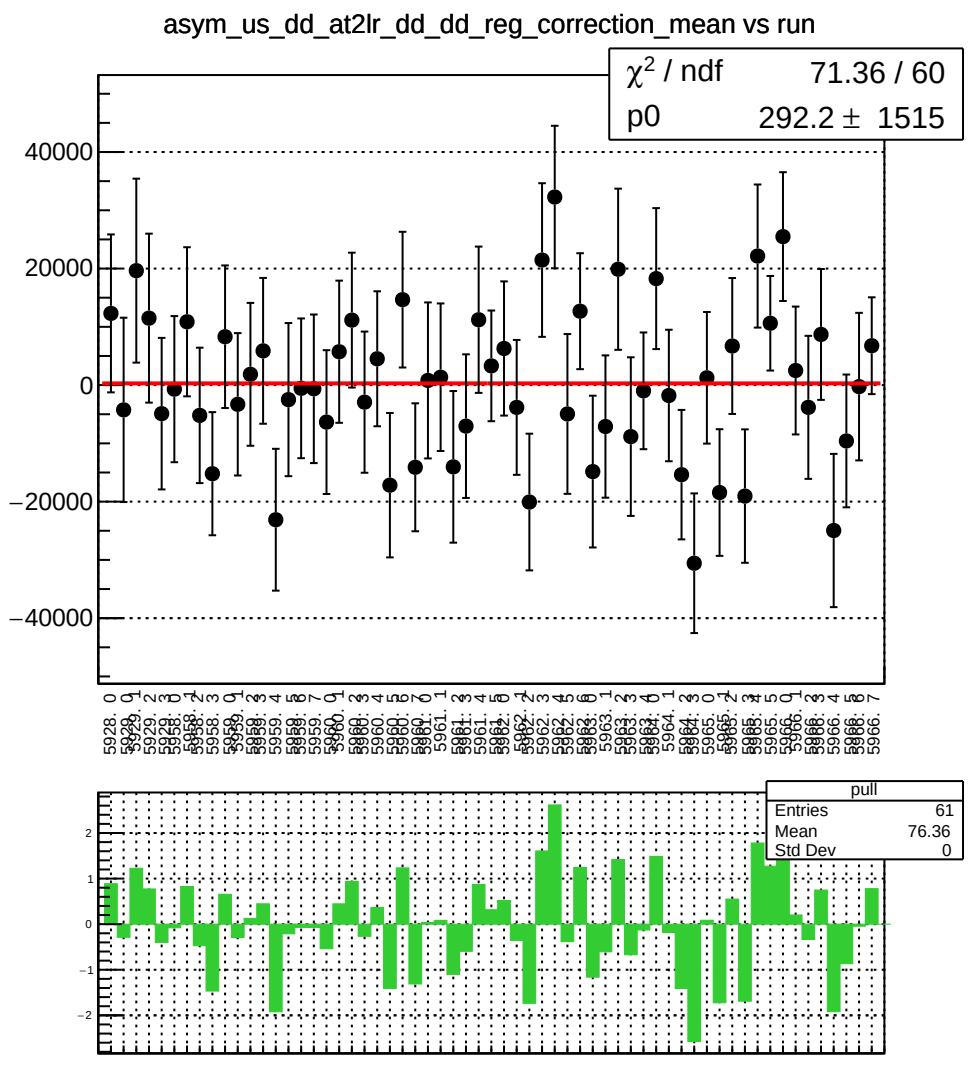

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.35e+05 / 60
p0 76.97 ± 0.07484
220
200
180
160
140
120
100
80
60
40
20

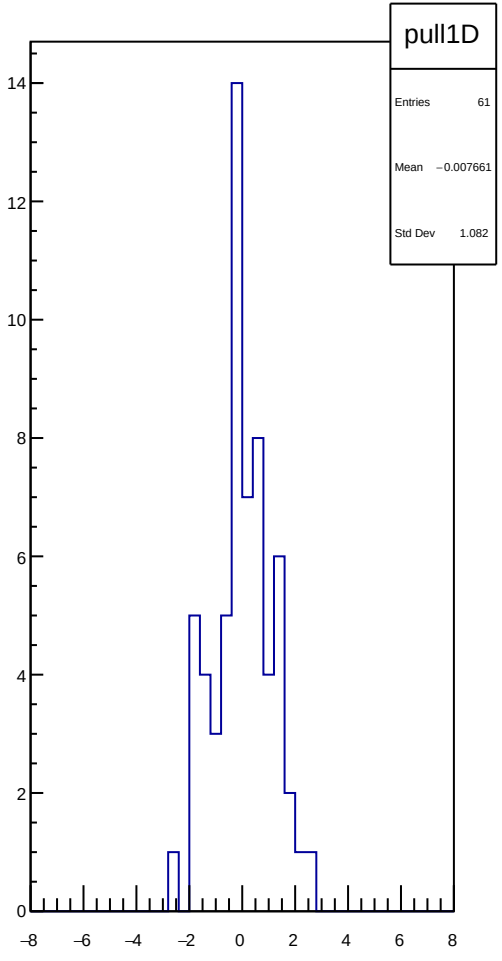

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.43 / 60
p0 9.611e−14 ± 1.566e−13
pull
Entries 61
Mean 5.764
Std Dev 0
pull1D
Entries 61
Mean −0.0829
Std Dev 1.16

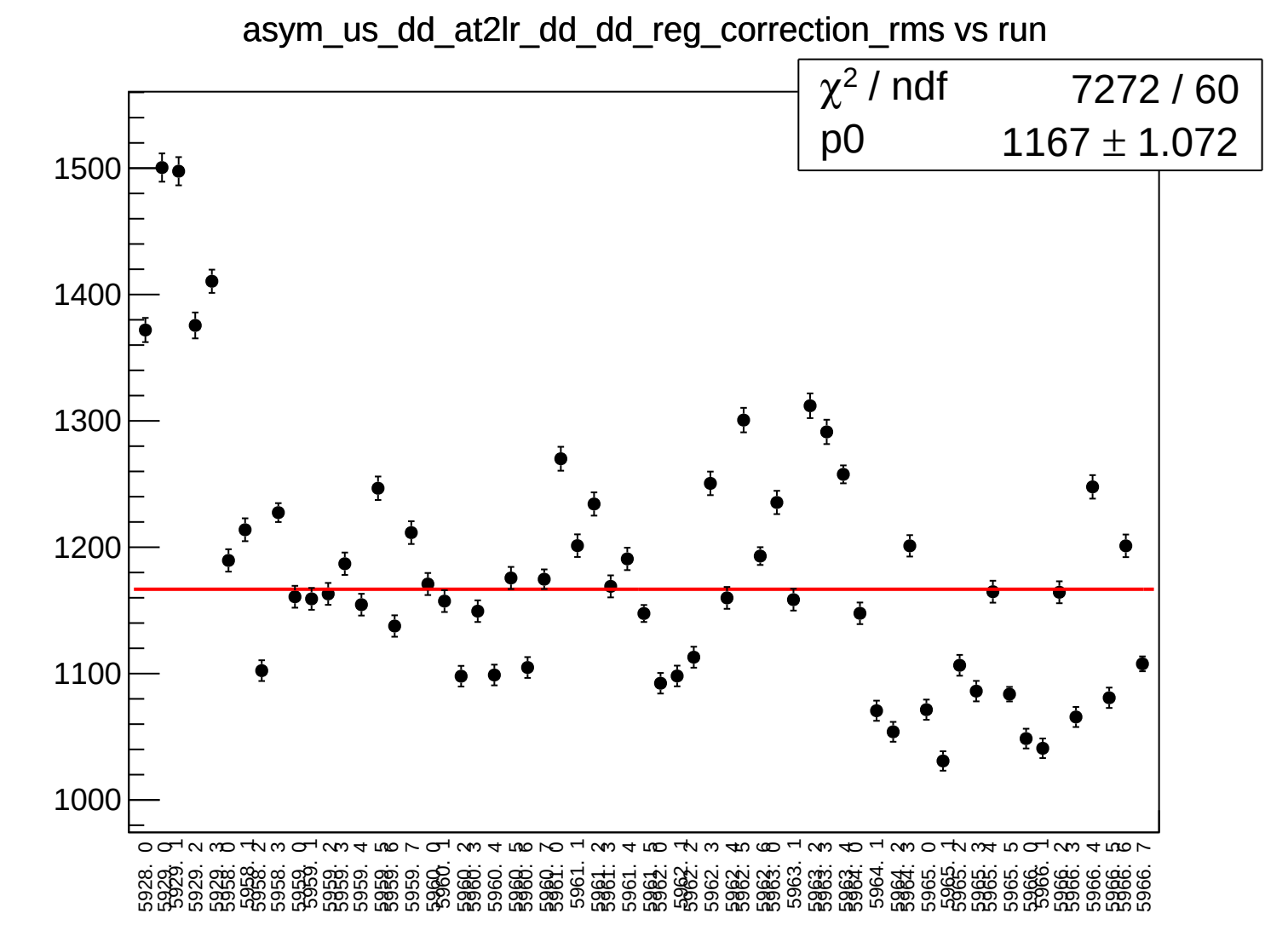

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.957e+05 / 60
p0 9.243e−11 ± 1.107e−13
0.6
0.5
0.4
0.3
0.2
0.1

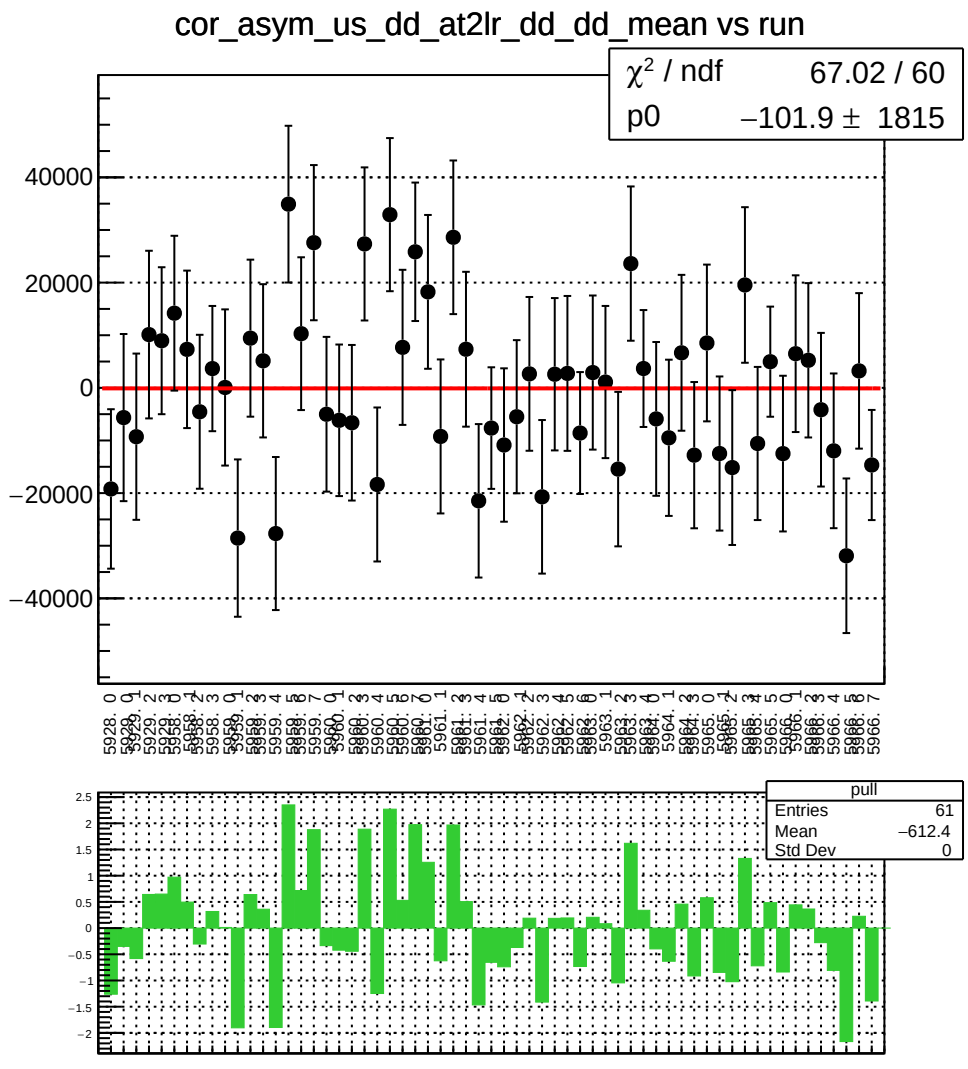

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 67.02 / 60
p0 −101.8 ± 1815
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −612.1
Std Dev 0
pull1D
Entries 61
Mean 0.005362
Std Dev 1.048

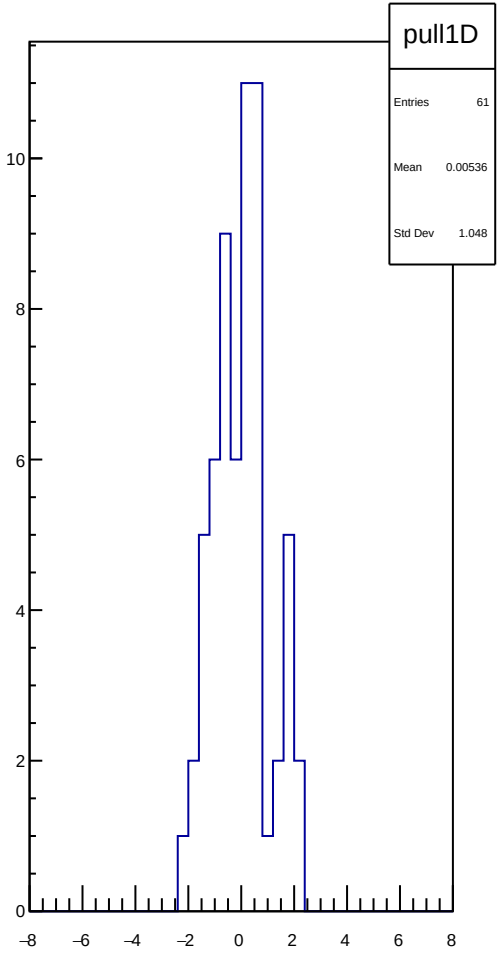

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 657.5 / 60
p0 1401 ± 1.284
1550
1500
1450
1400
1350

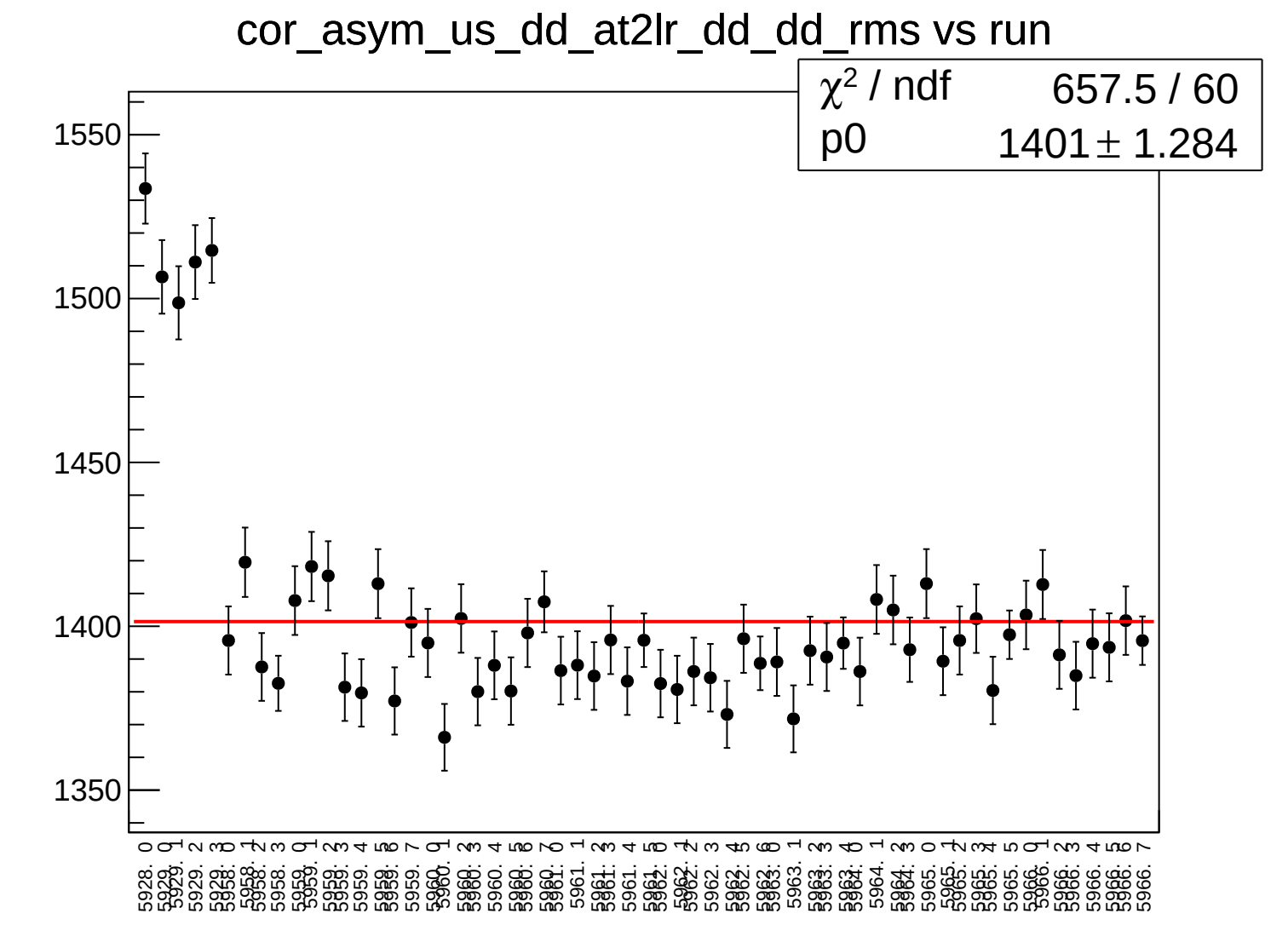

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 71.36 / 60
p0 292.2 ± 1515
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 76.36
Std Dev 0
2
1
0
−1
−2

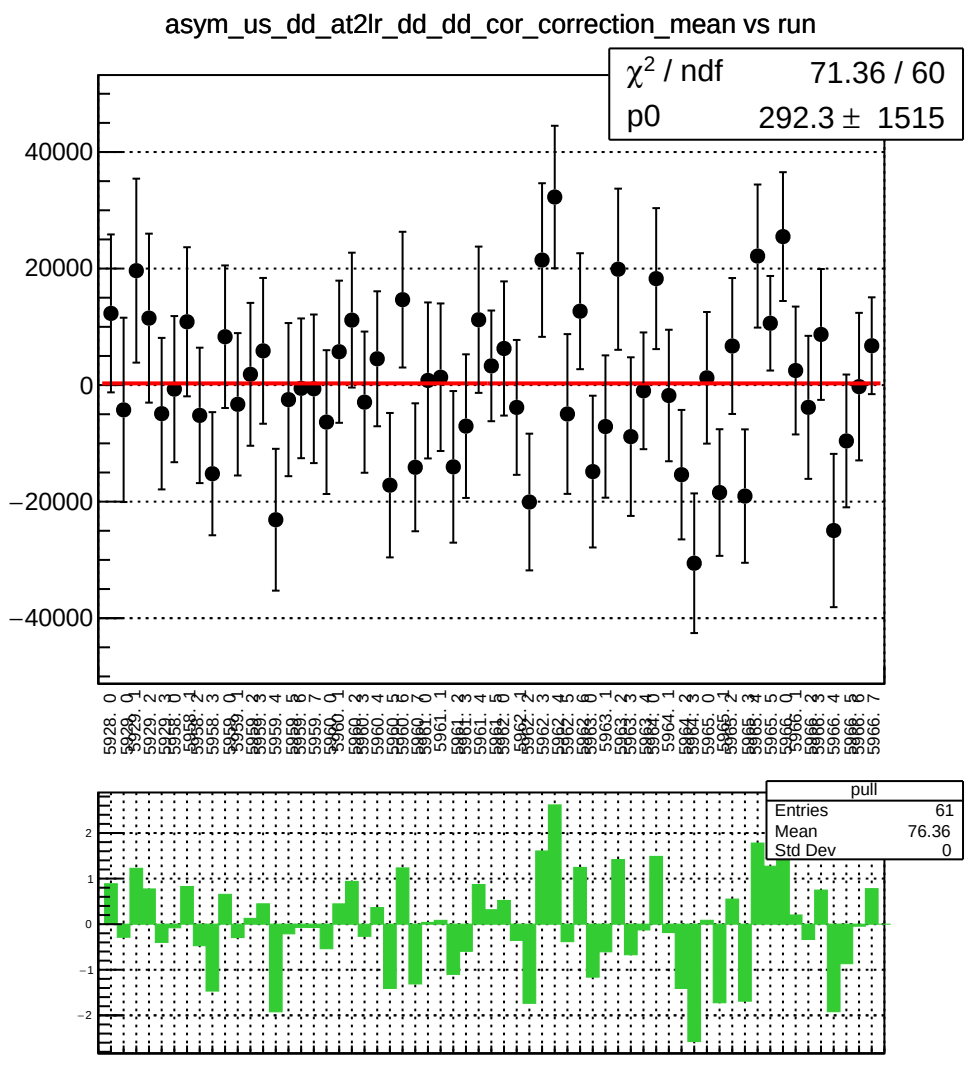

pull1D
Entries 61
Mean −0.007661
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

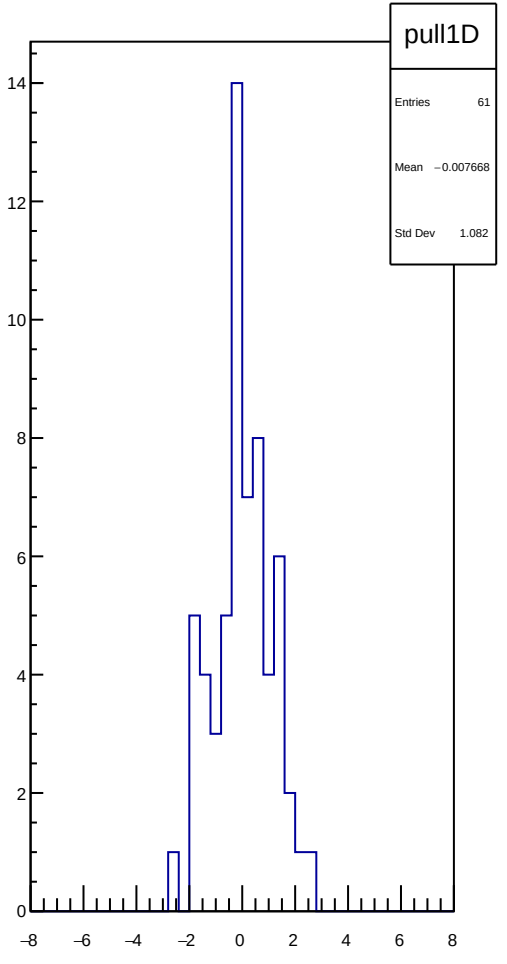

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 7272 / 60
p0 1167 ± 1.072
1500
1400
1300
1200
1100
1000

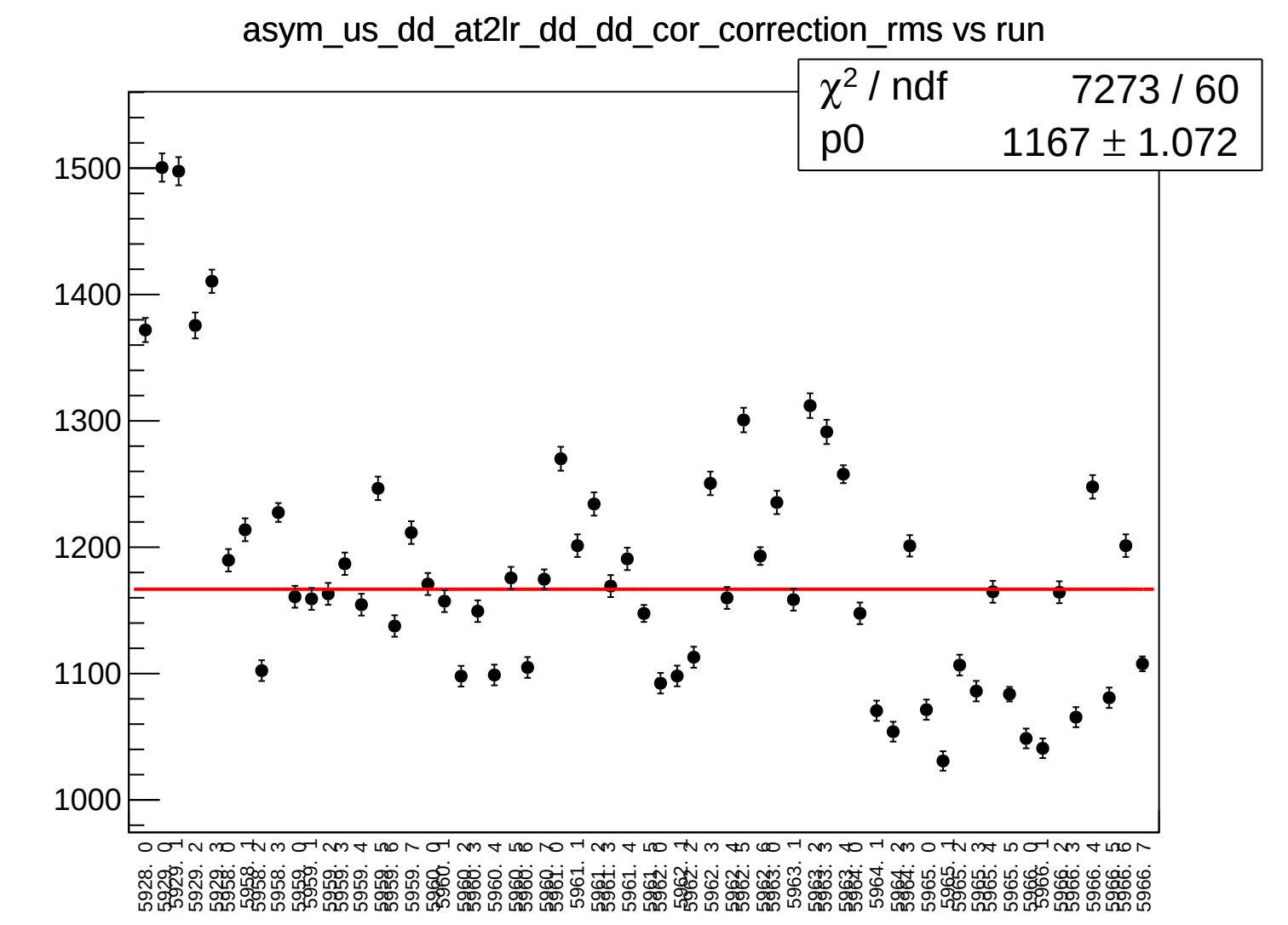

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 67.02 / 60
p0 −101.9 ± 1815
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −612.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

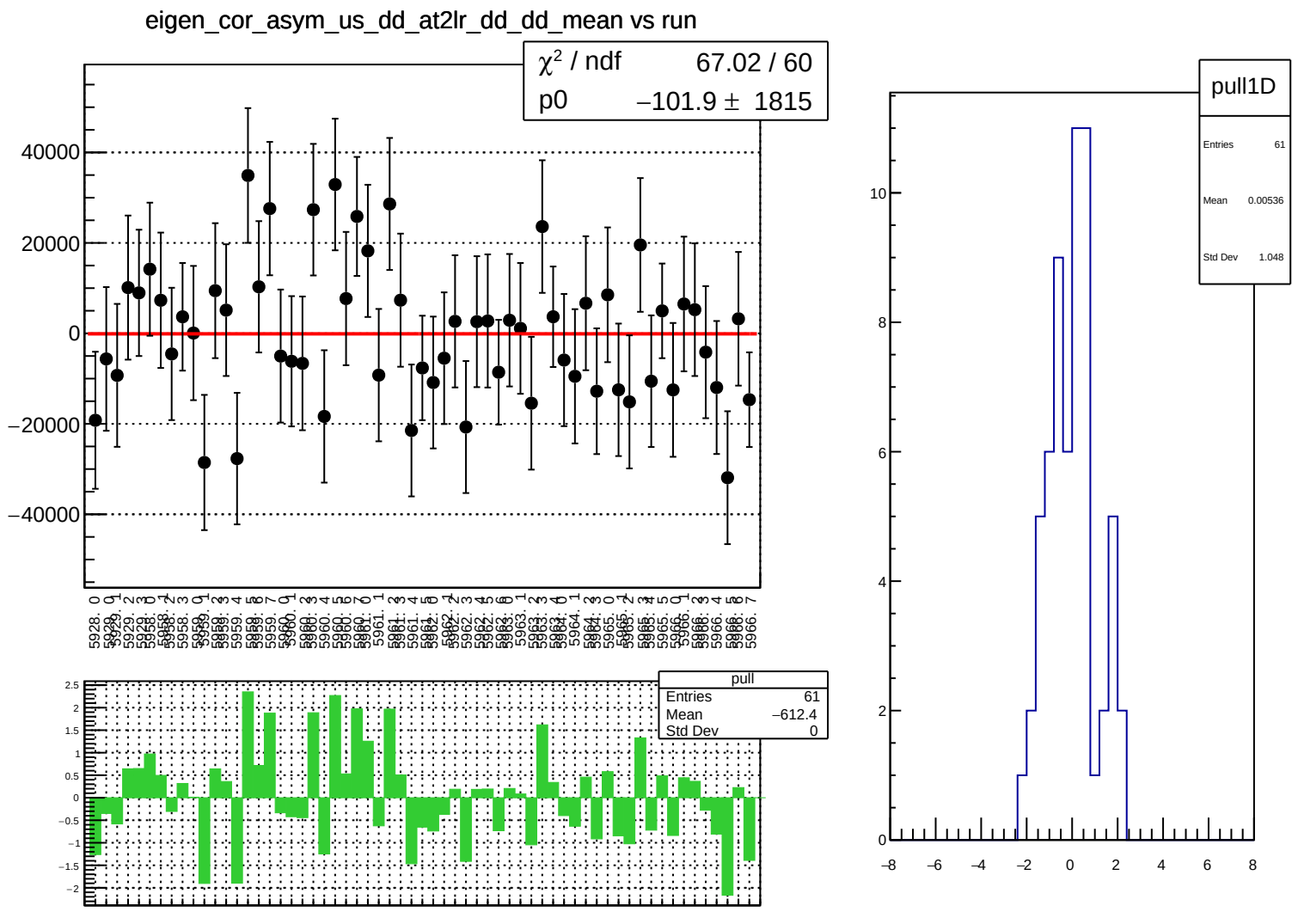

pull1D
Entries 61
Mean 0.00536
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

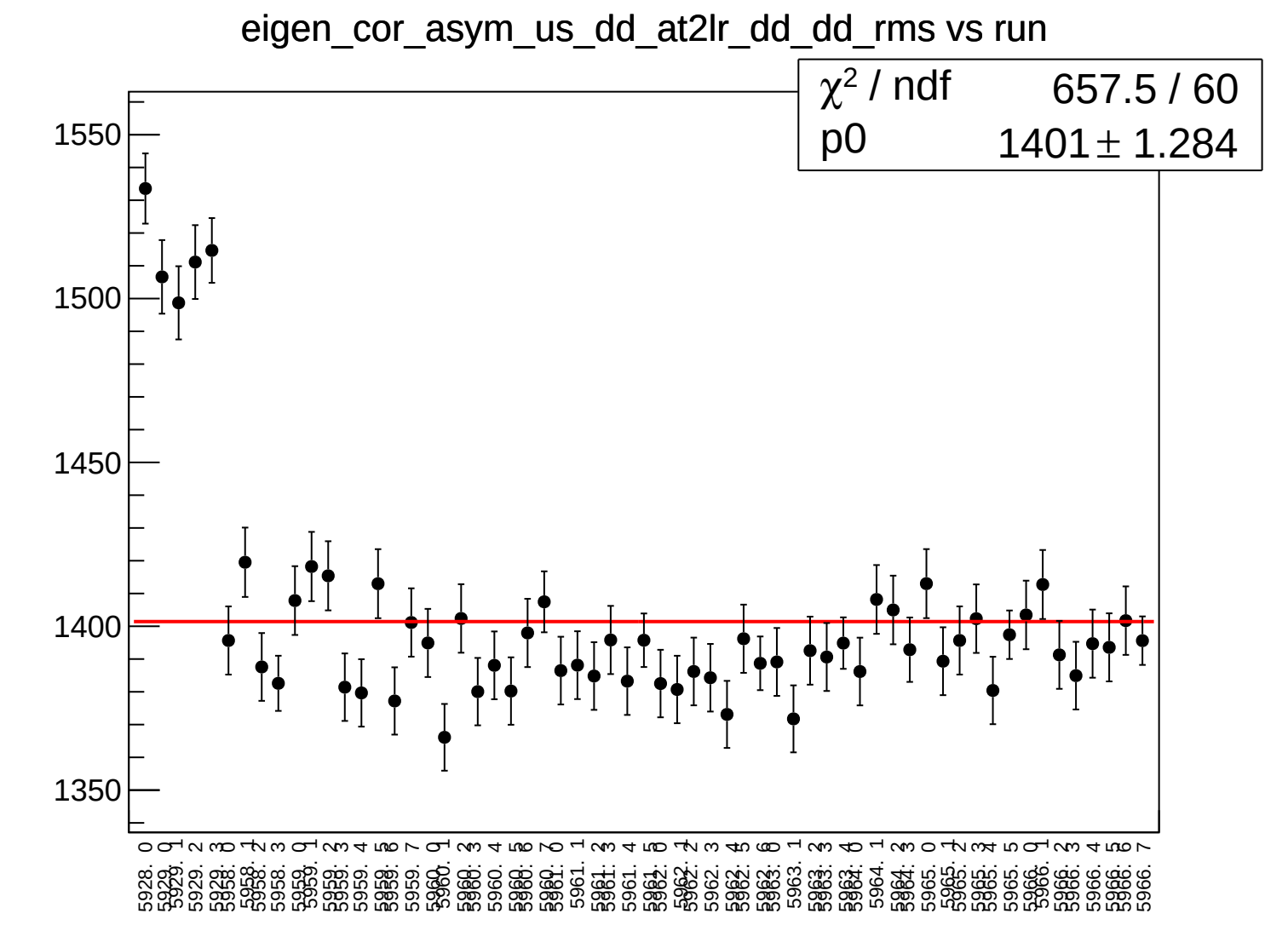

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 657.5 / 60
p0 1401 ± 1.284
1550
1500
1450
1400
1350

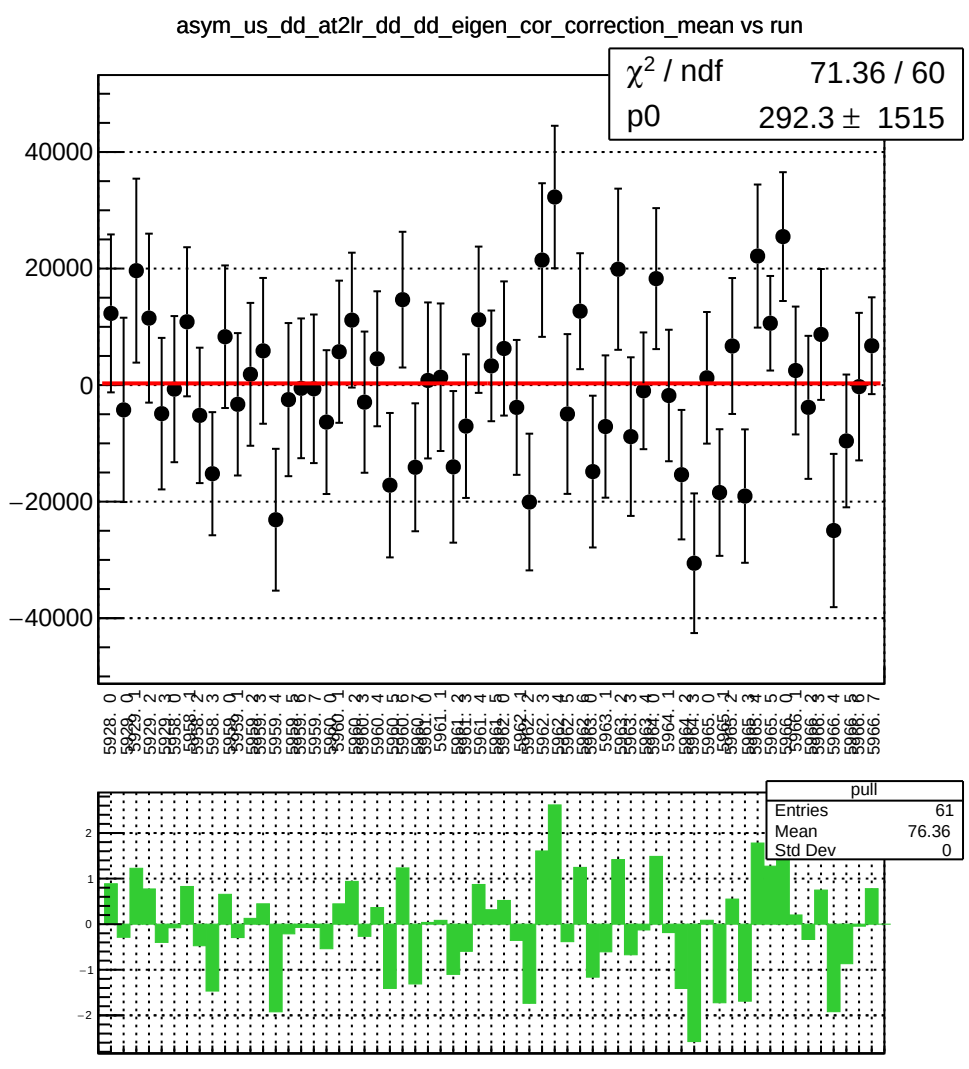

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 71.36 / 60
p0 292.3 ± 1515
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 76.36
Std Dev 0
2
1
0
−1
−2

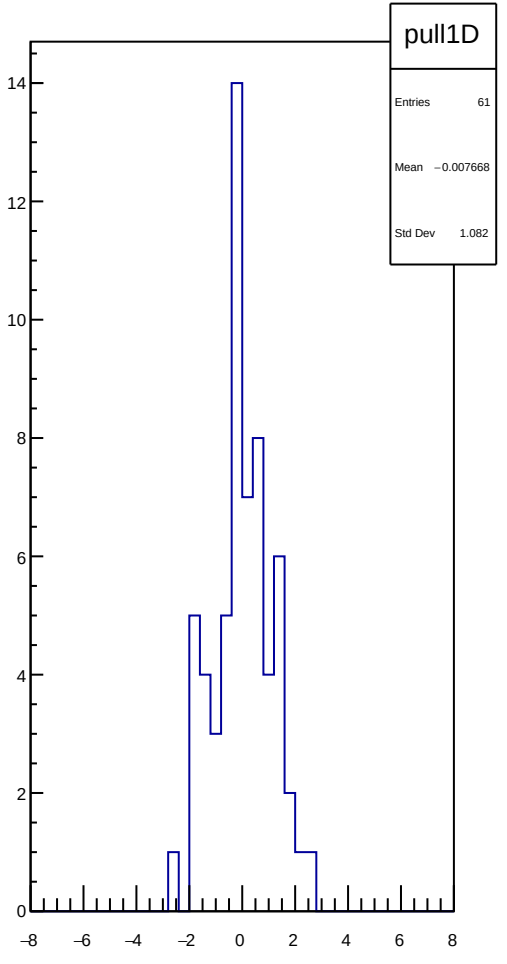

pull1D
Entries 61
Mean −0.007668
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

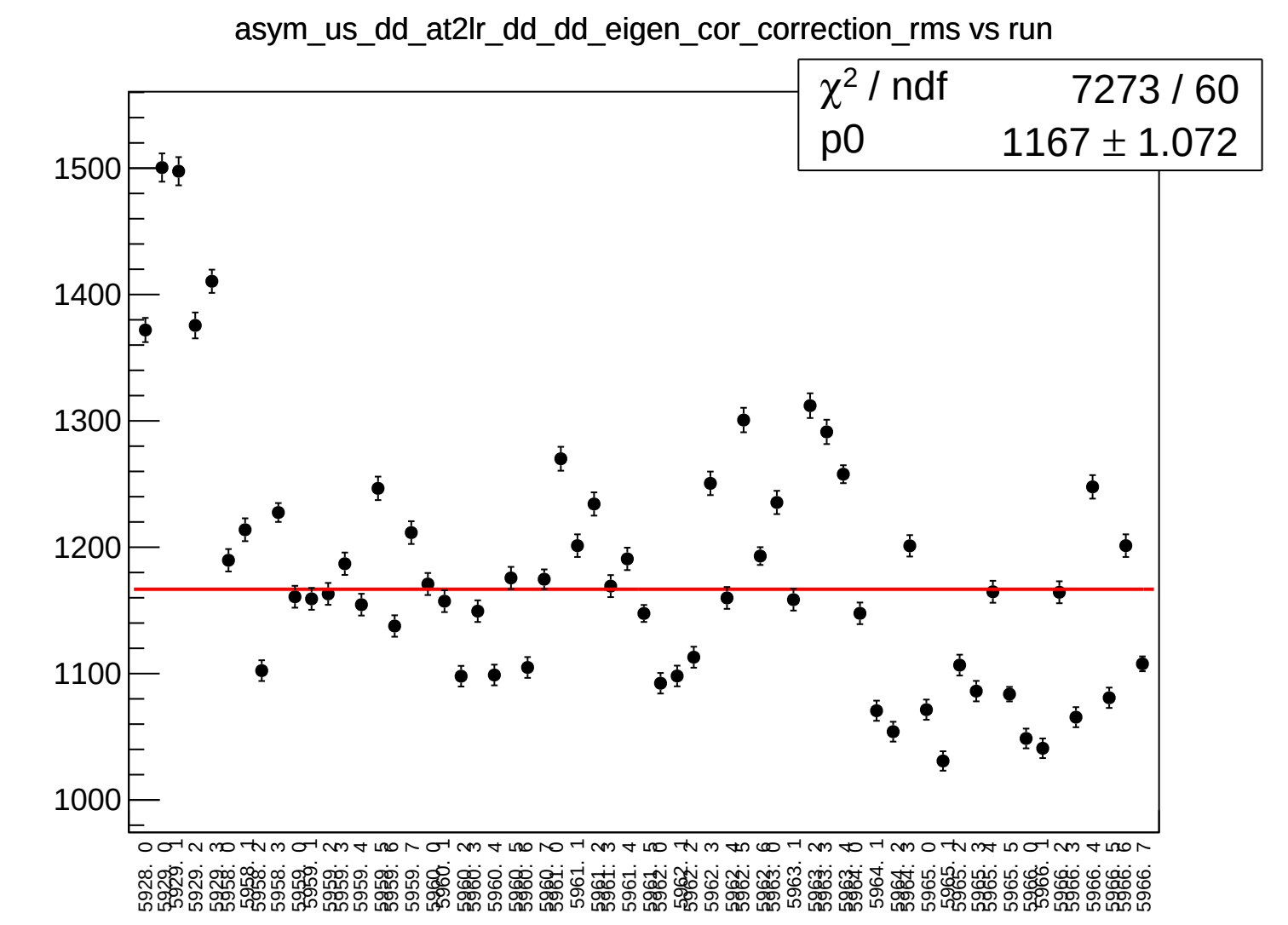

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 7273 / 60
p0 1167 ± 1.072
1500
1400
1300
1200
1100
1000

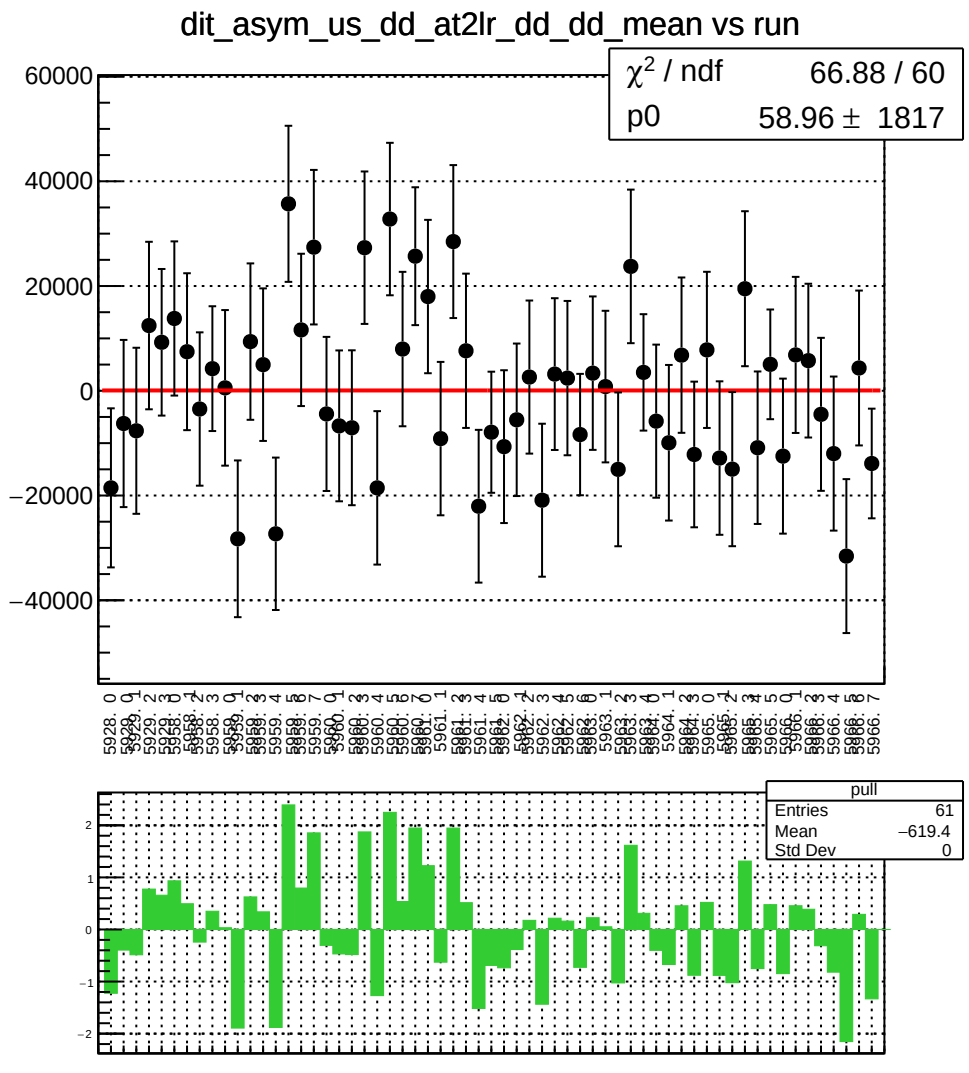

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 67.02 / 60
p0 −101.9 ± 1815
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −612.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 61
Mean 0.00536
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

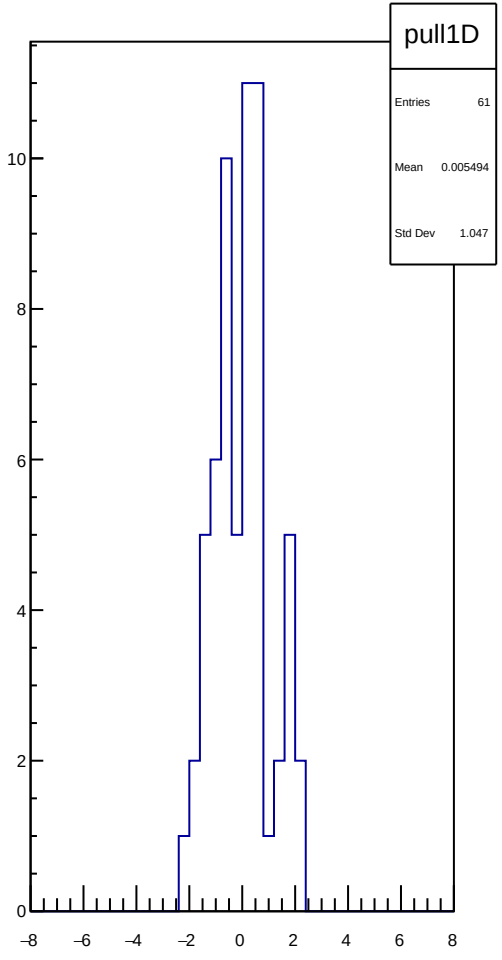

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 657.5 / 60
p0 1401 ± 1.284
1550
1500
1450
1400
1350

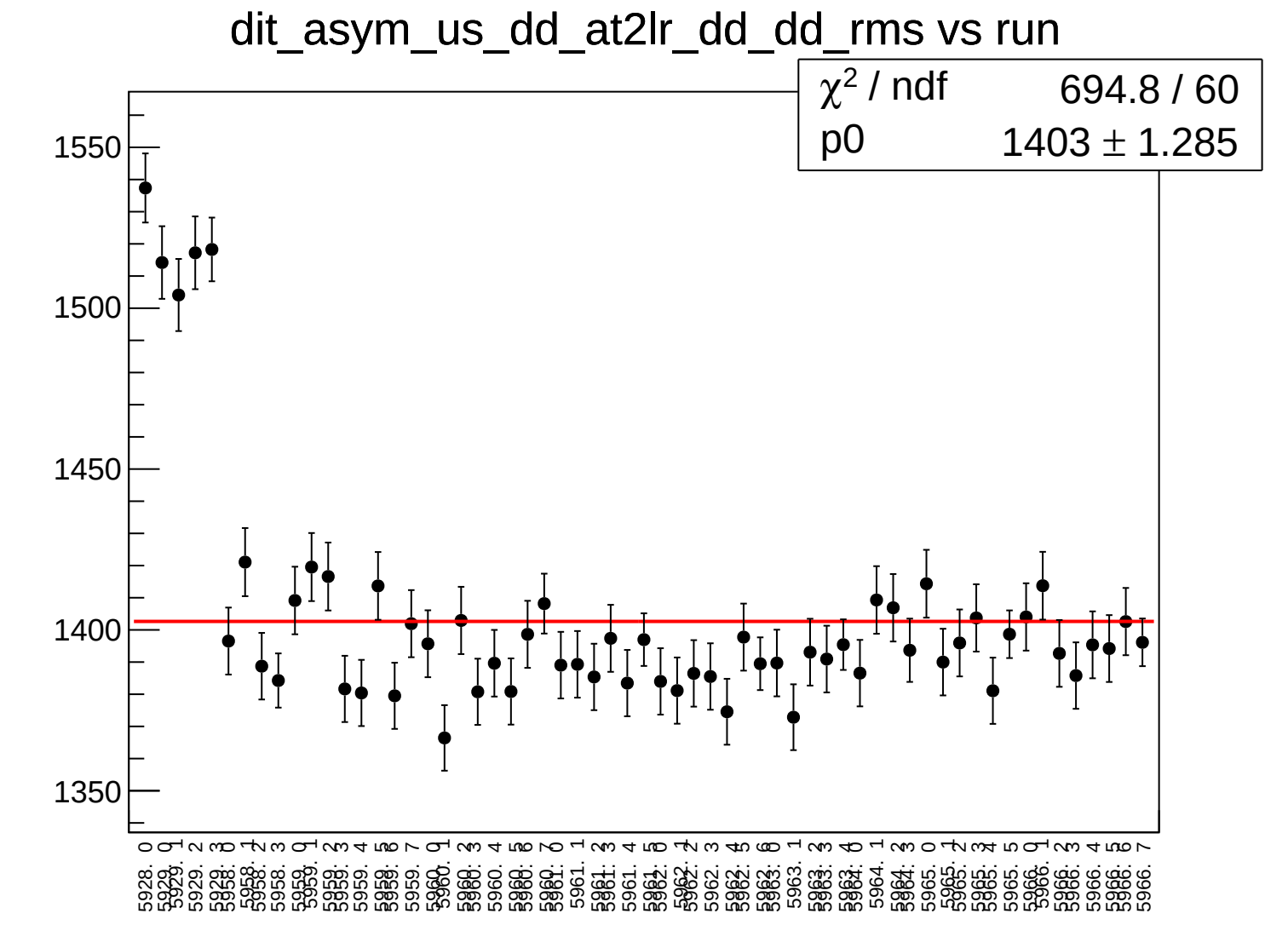

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.36 / 60
p0 292.3 ± 1515
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 76.36
Std Dev 0
2
1
0
−1
−2

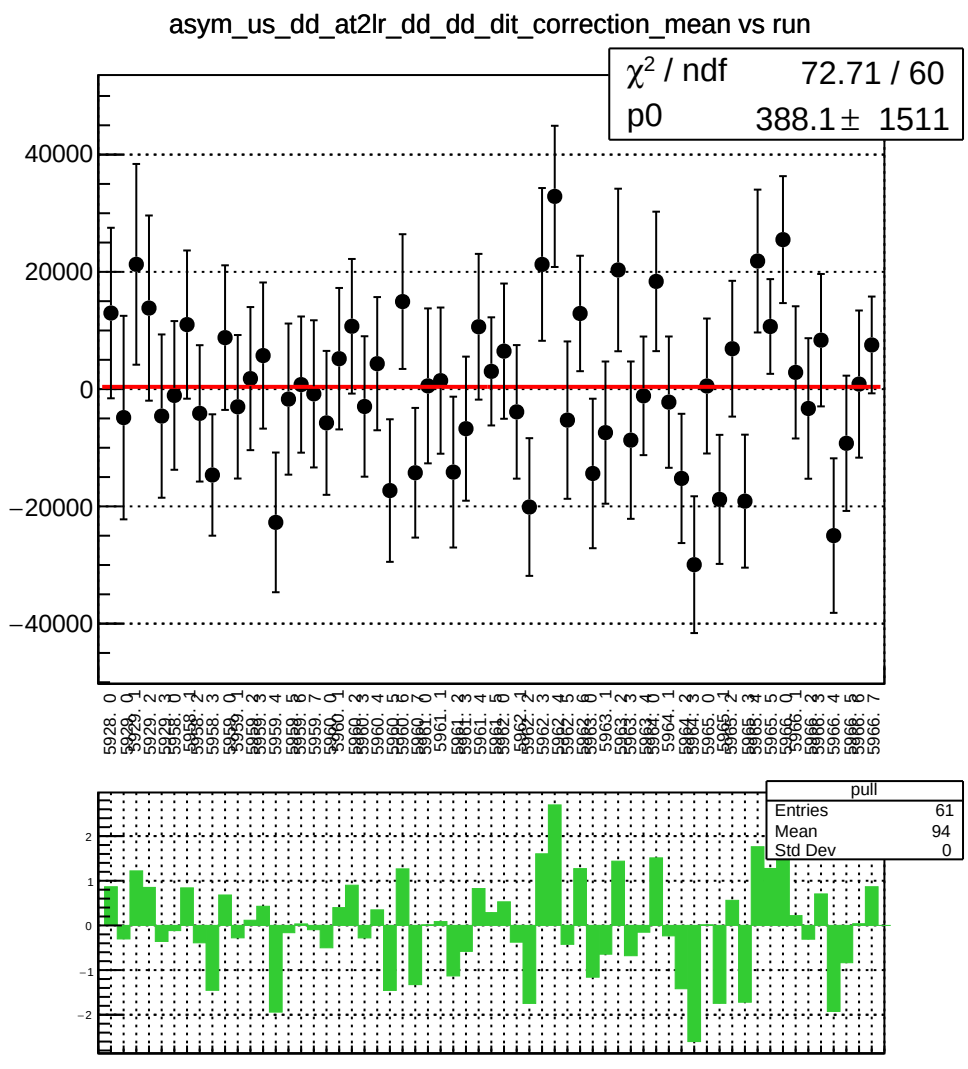

pull1D
Entries 61
Mean −0.007668
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

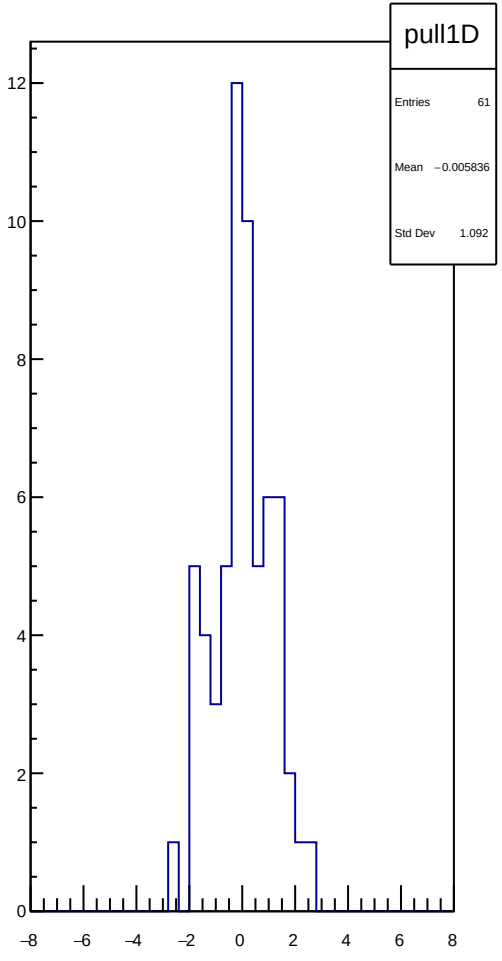

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7273 / 60
p0 1167 ± 1.072
1500
1400
1300
1200
1100
1000

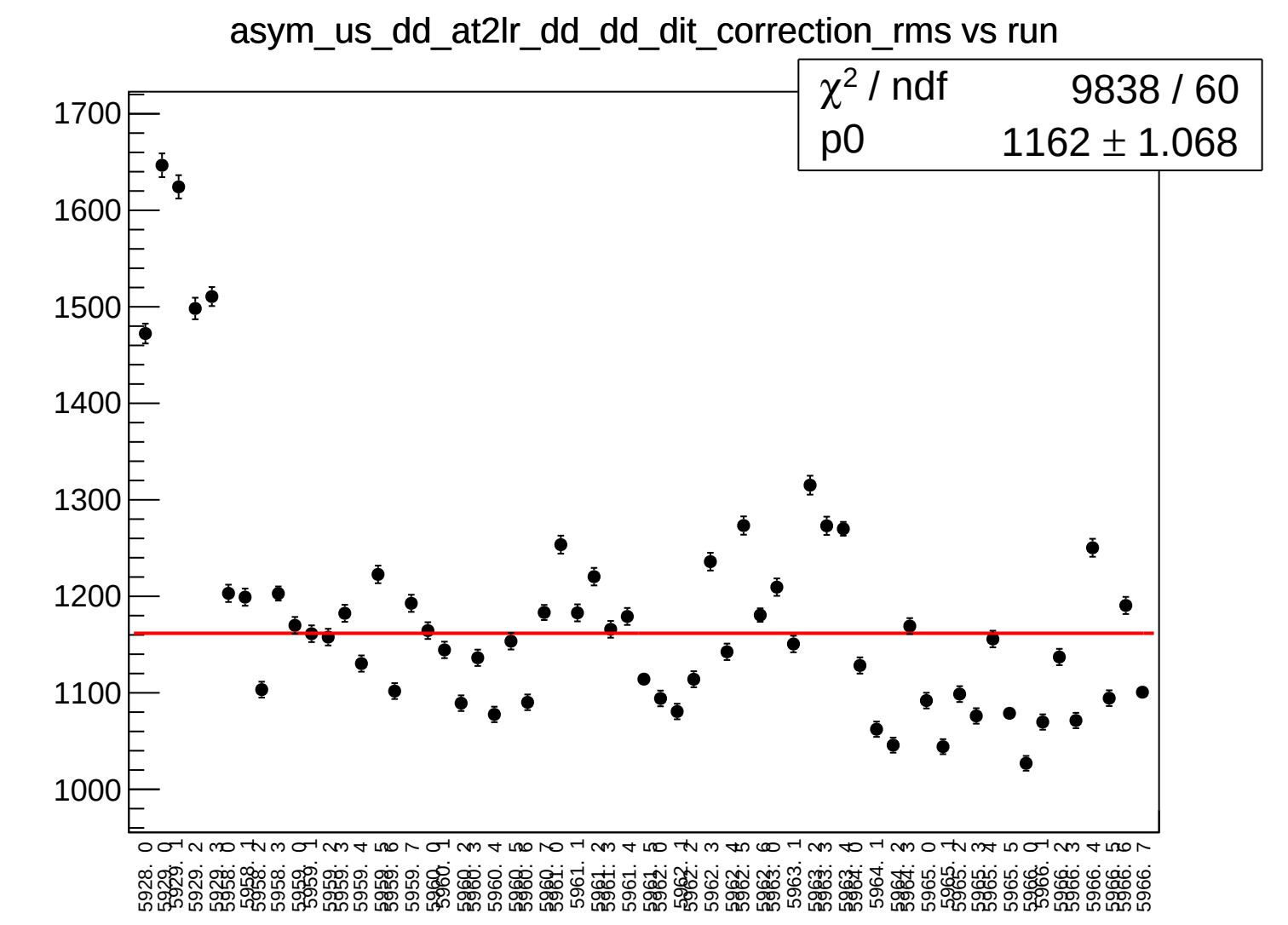

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.88 / 60
p0 58.96 ± 1817
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −619.4
Std Dev 0
2
1
0
−1
−2

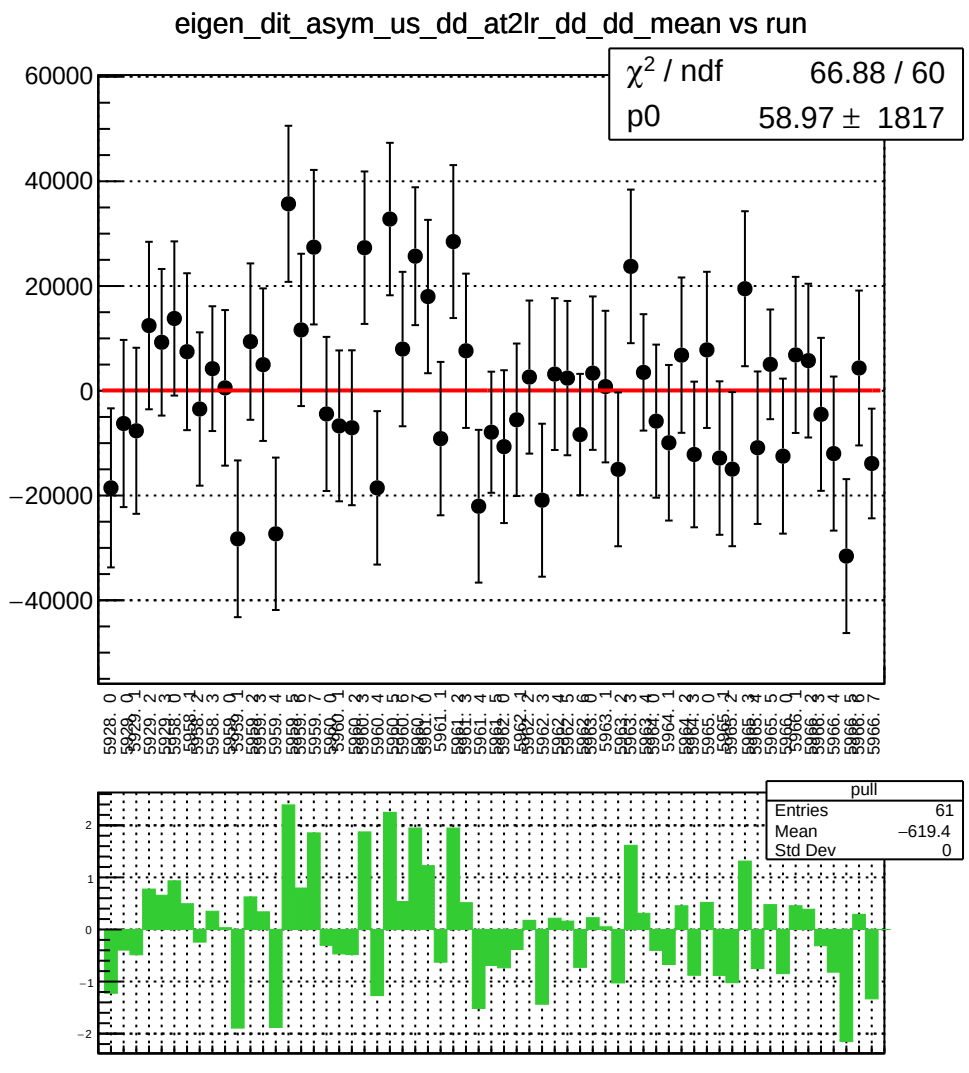

pull1D
Entries 61
Mean 0.005494
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

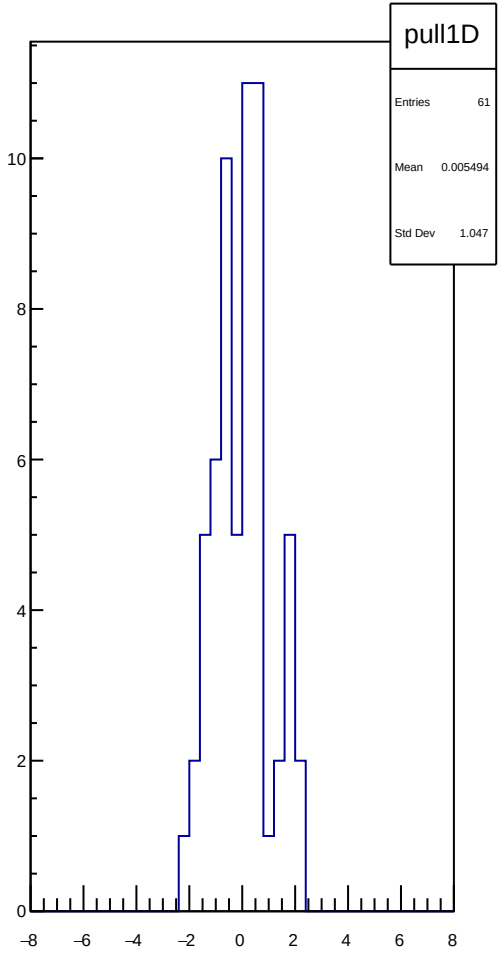

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 694.8 / 60
p0 1403 ± 1.285
1550
1500
1450
1400
1350

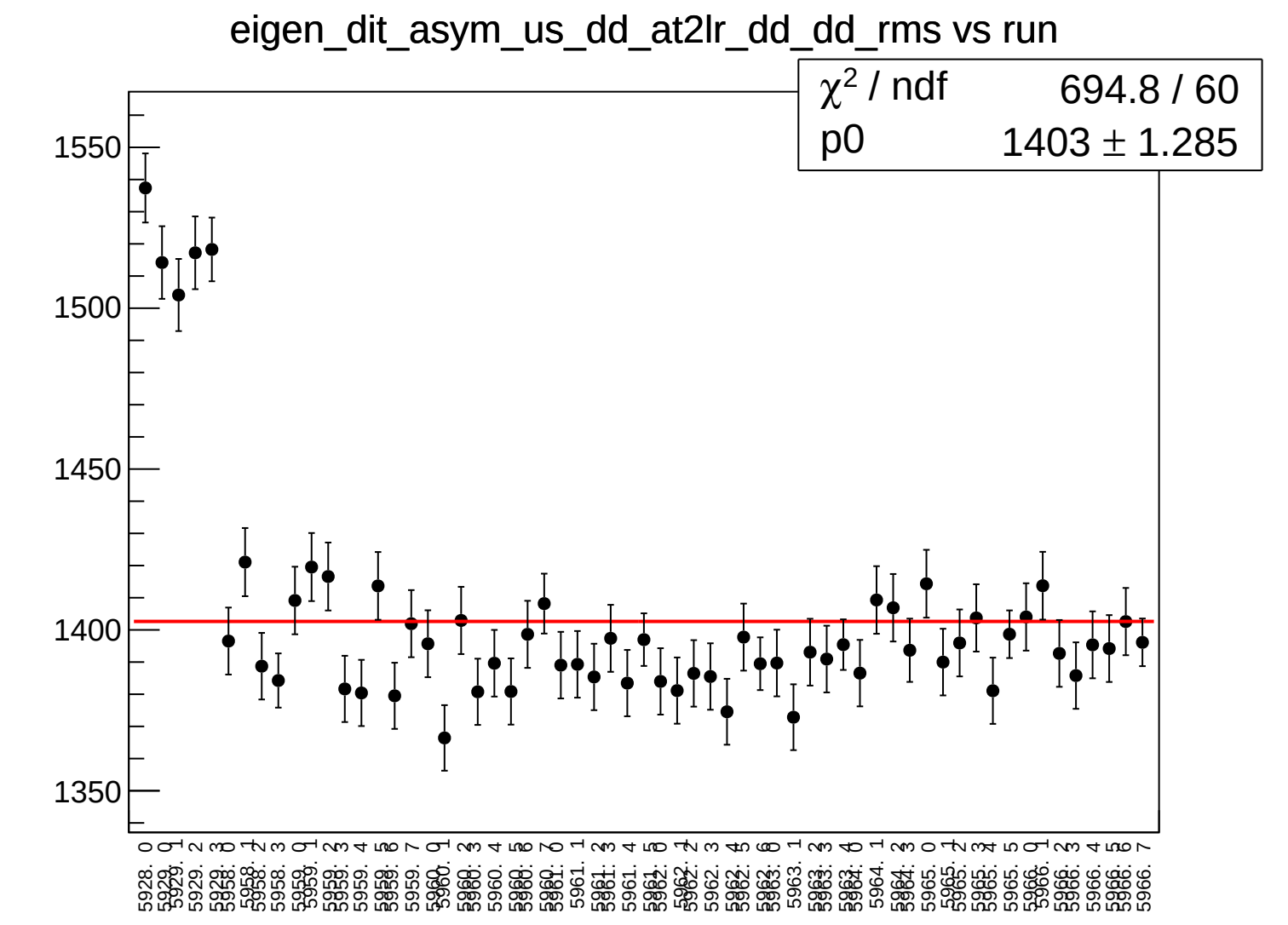

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 72.71 / 60
p0 388.1 ± 1511
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 94
Std Dev 0
2
1
0
−1
−2

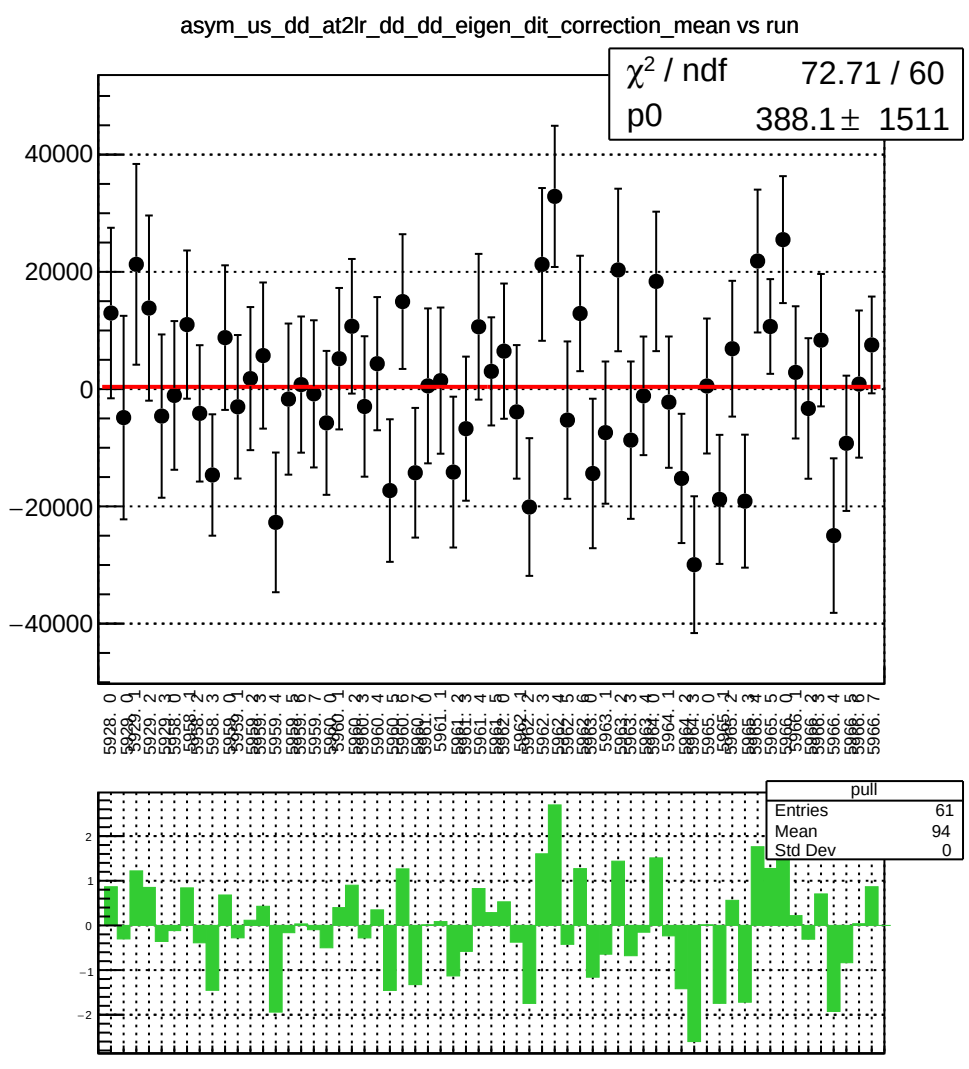

pull1D
Entries 61
Mean −0.005836
Std Dev 1.092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

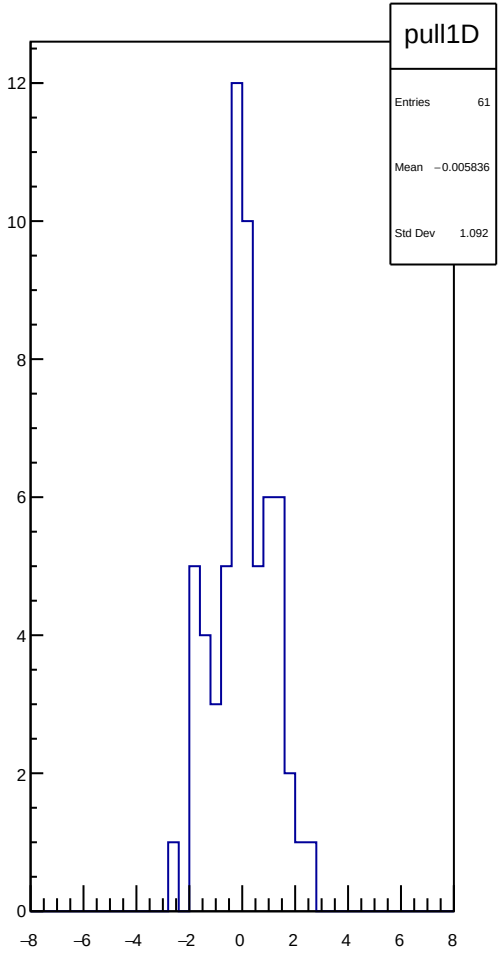

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 9838 / 60
p0 1162 ± 1.068
1700
1600
1500
1400
1300
1200
1100
1000

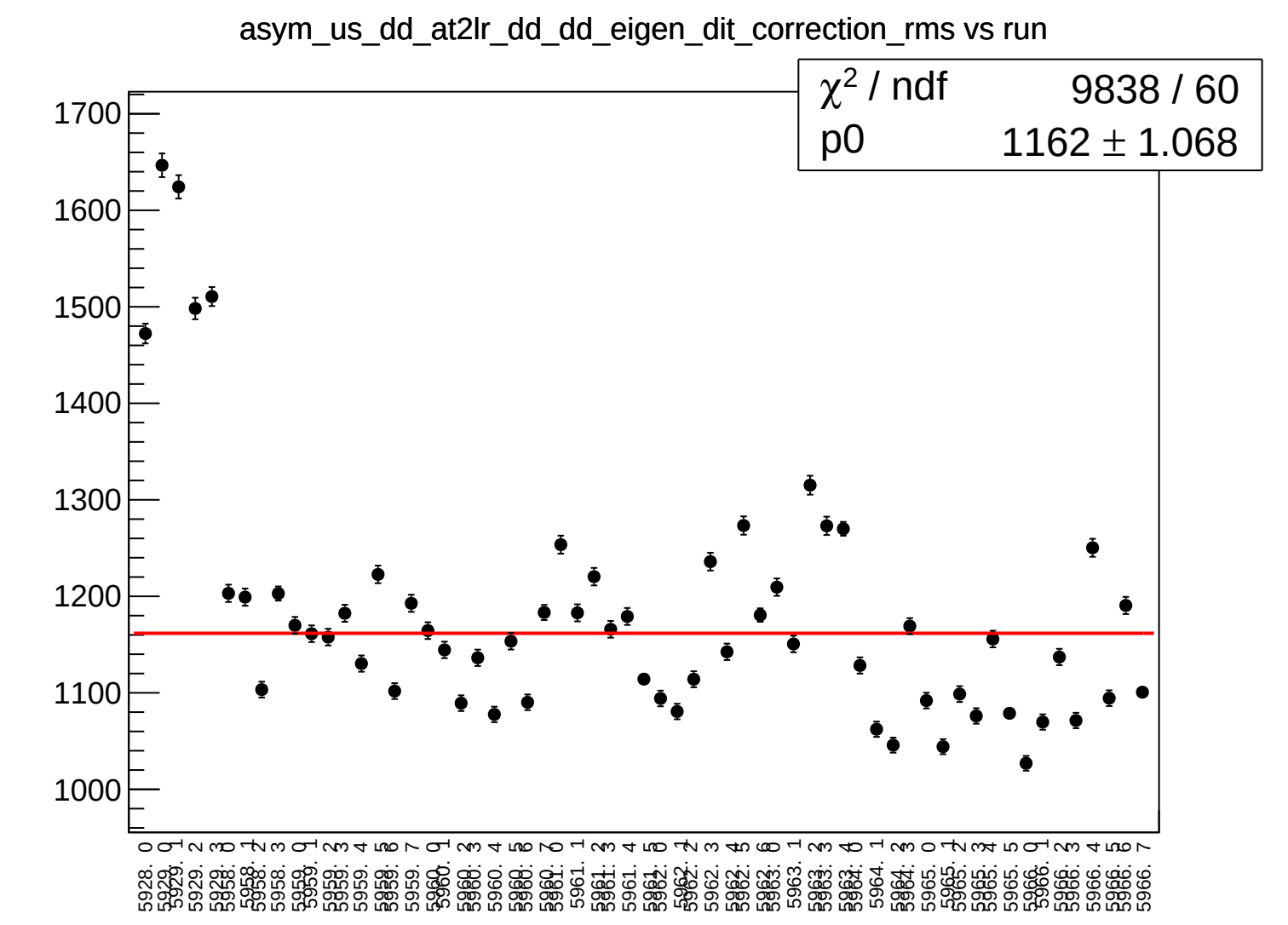

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.88 / 60
p0 58.97 ± 1817
pull
Entries 61
Mean −619.4
Std Dev 0

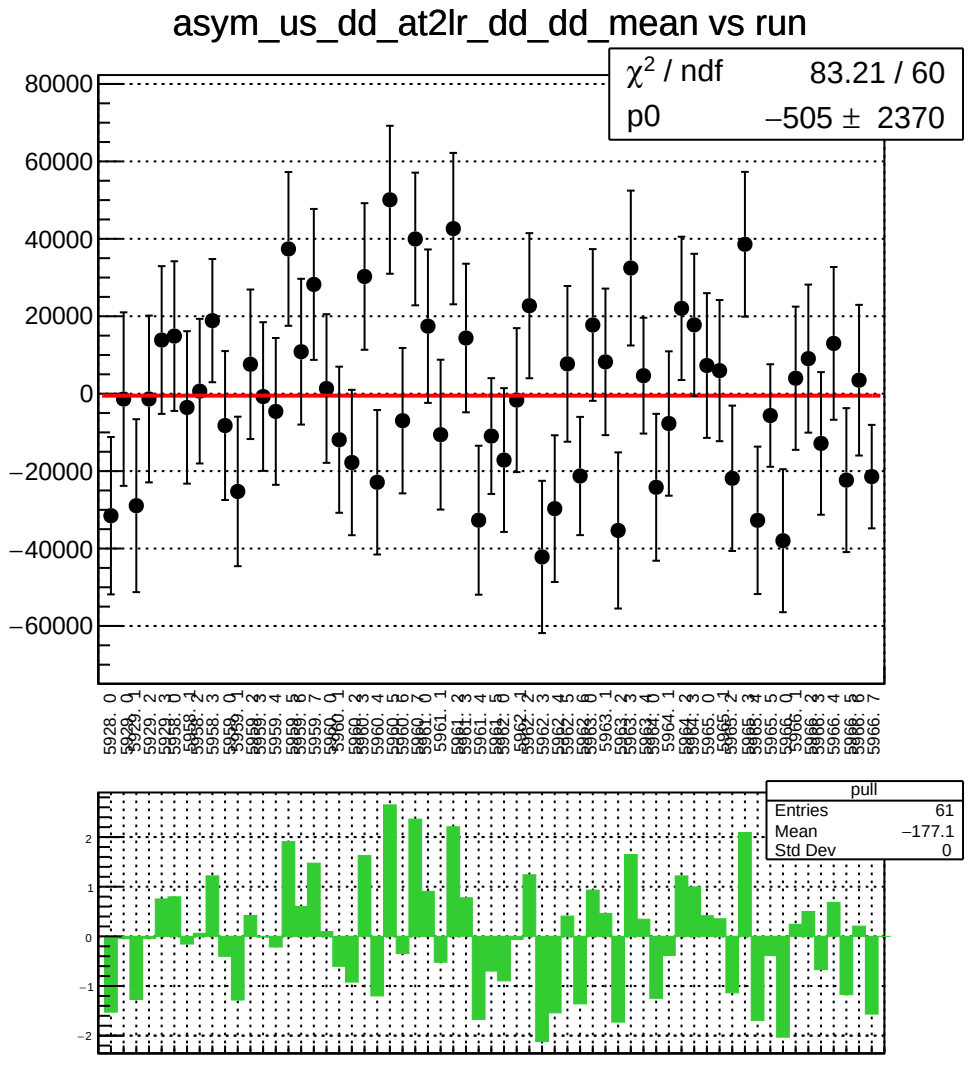

pull1D
Entries 61
Mean 0.005494
Std Dev 1.047

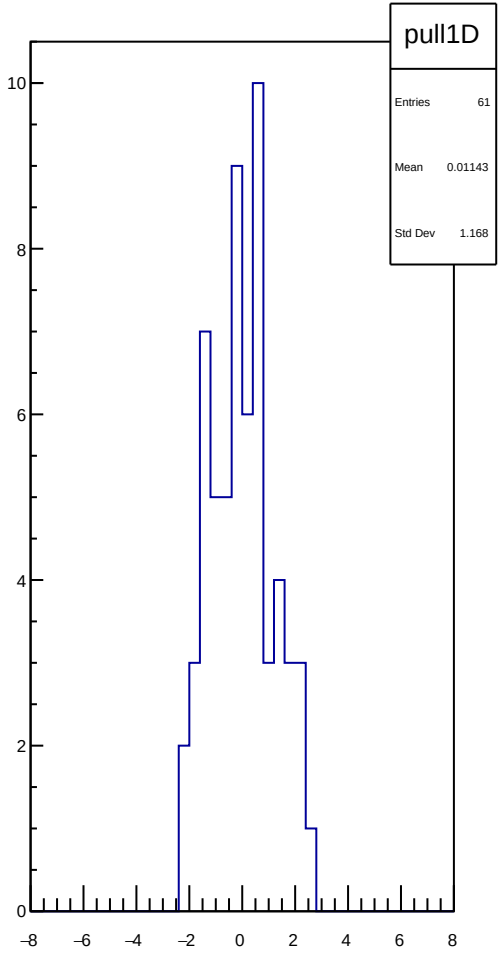

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 694.8 / 60
p0 1403 ± 1.285
1550
1500
1450
1400
1350

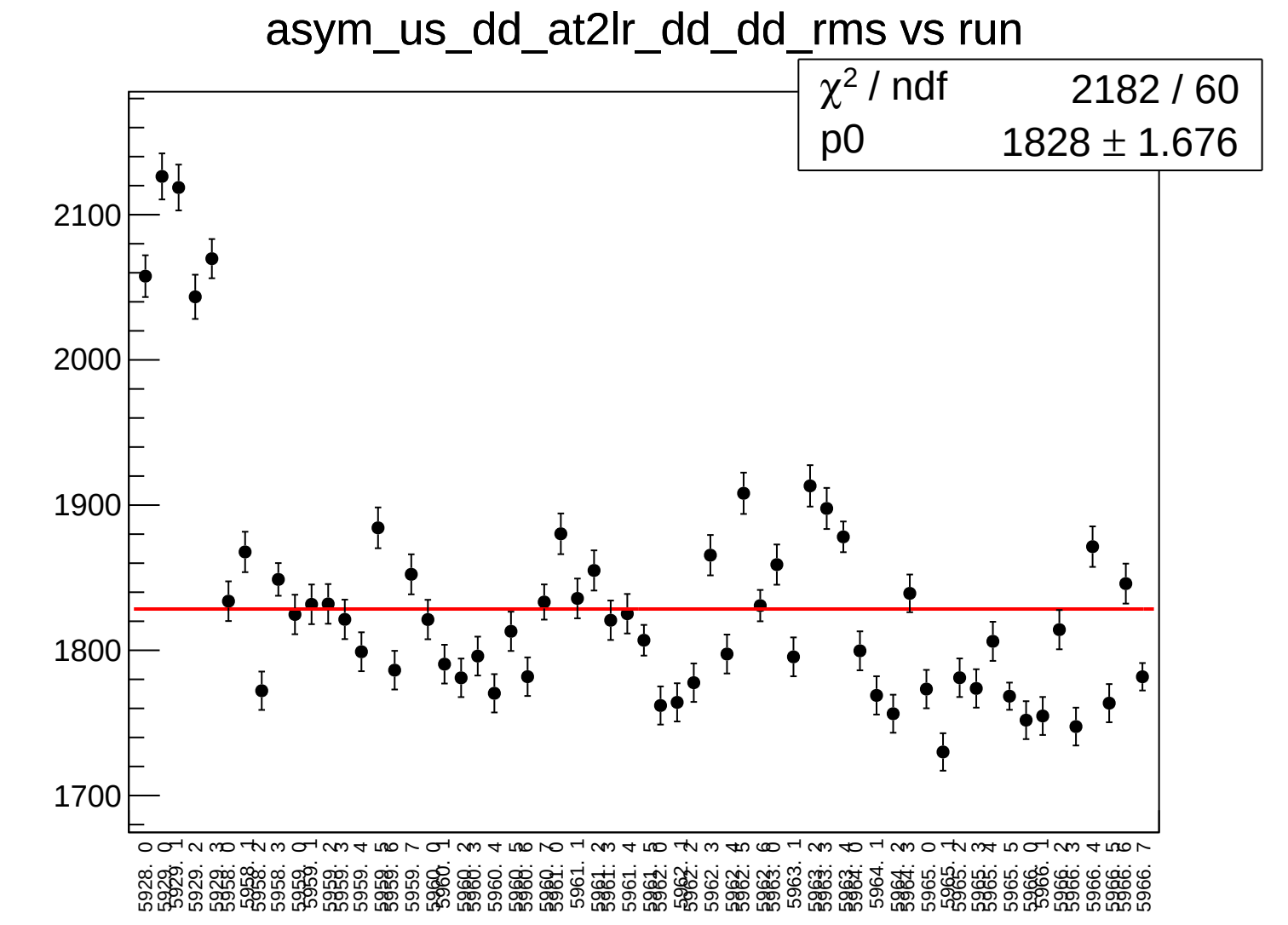

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 72.71 / 60
p0 388.1 ± 1511
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 94
Std Dev 0
2
1
0
−1
−2

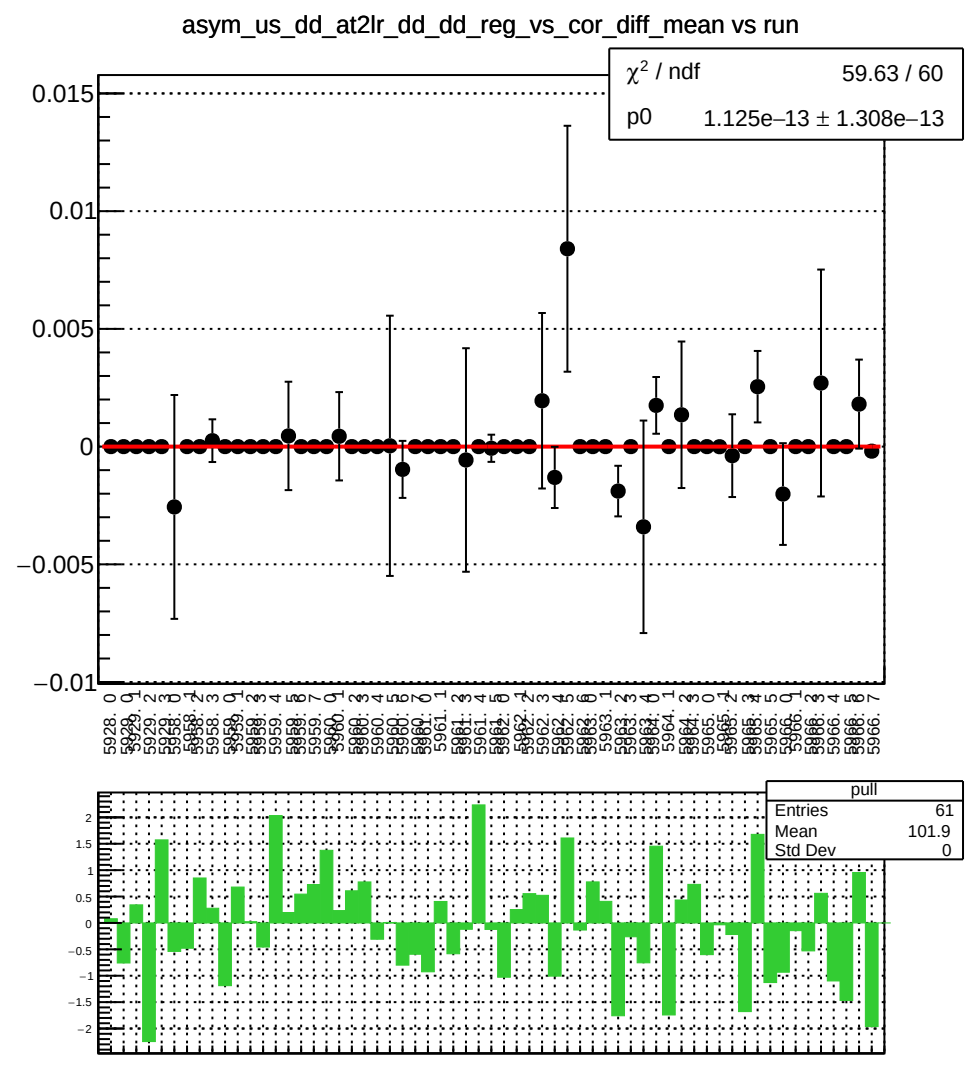

pull1D
Entries 61
Mean −0.005836
Std Dev 1.092
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

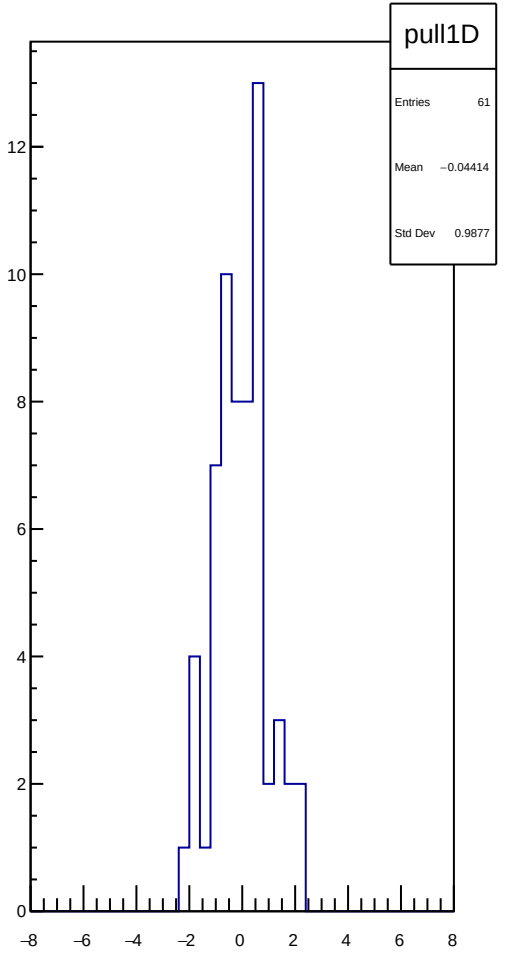

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 9838 / 60
p0 1162 ± 1.068
1700
1600
1500
1400
1300
1200
1100
1000

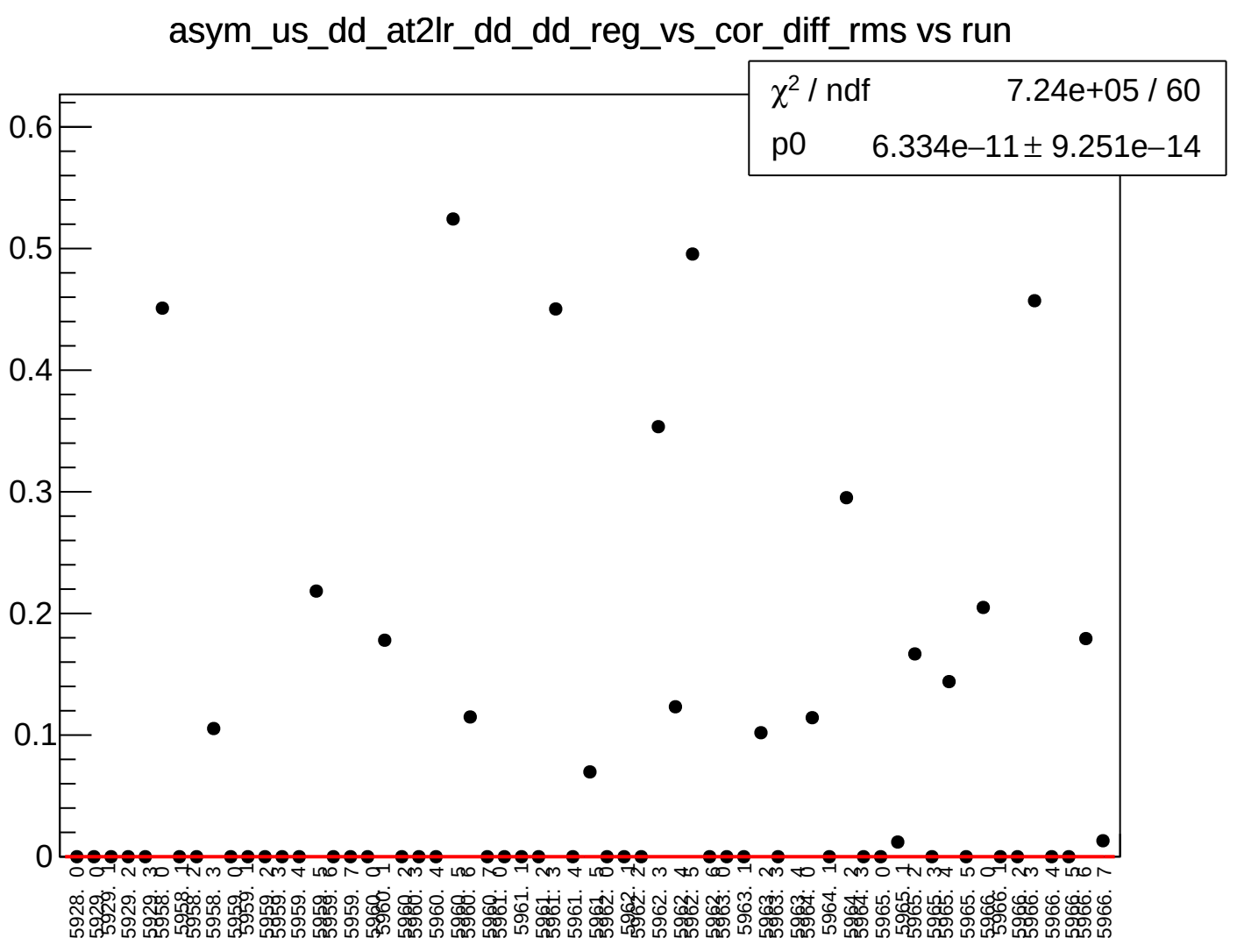

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 83.21 / 60
p0 −505 ± 2370
pull
Entries 61
Mean −177.1
Std Dev 0

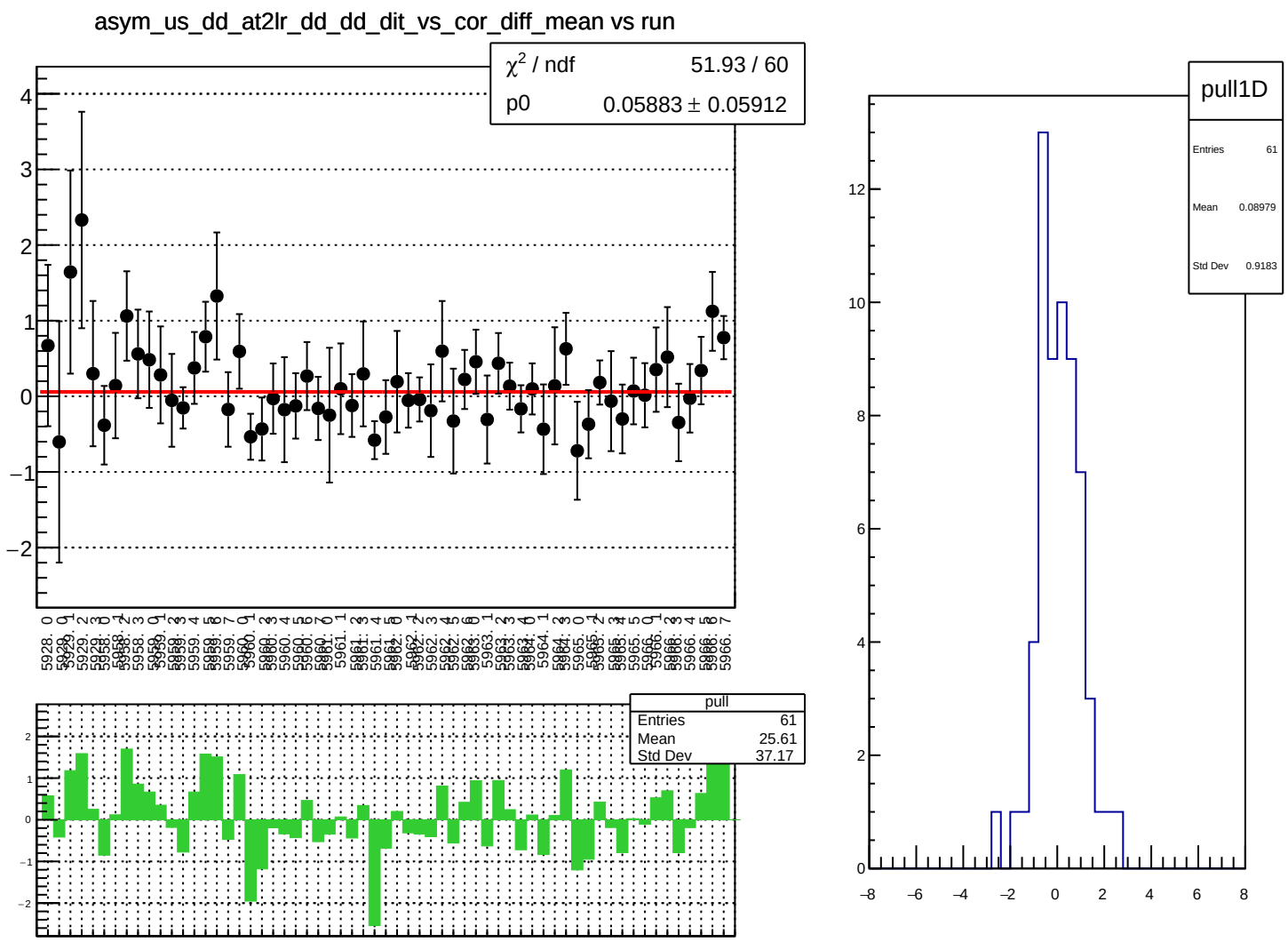

pull1D
Entries 61
Mean 0.01143
Std Dev 1.168

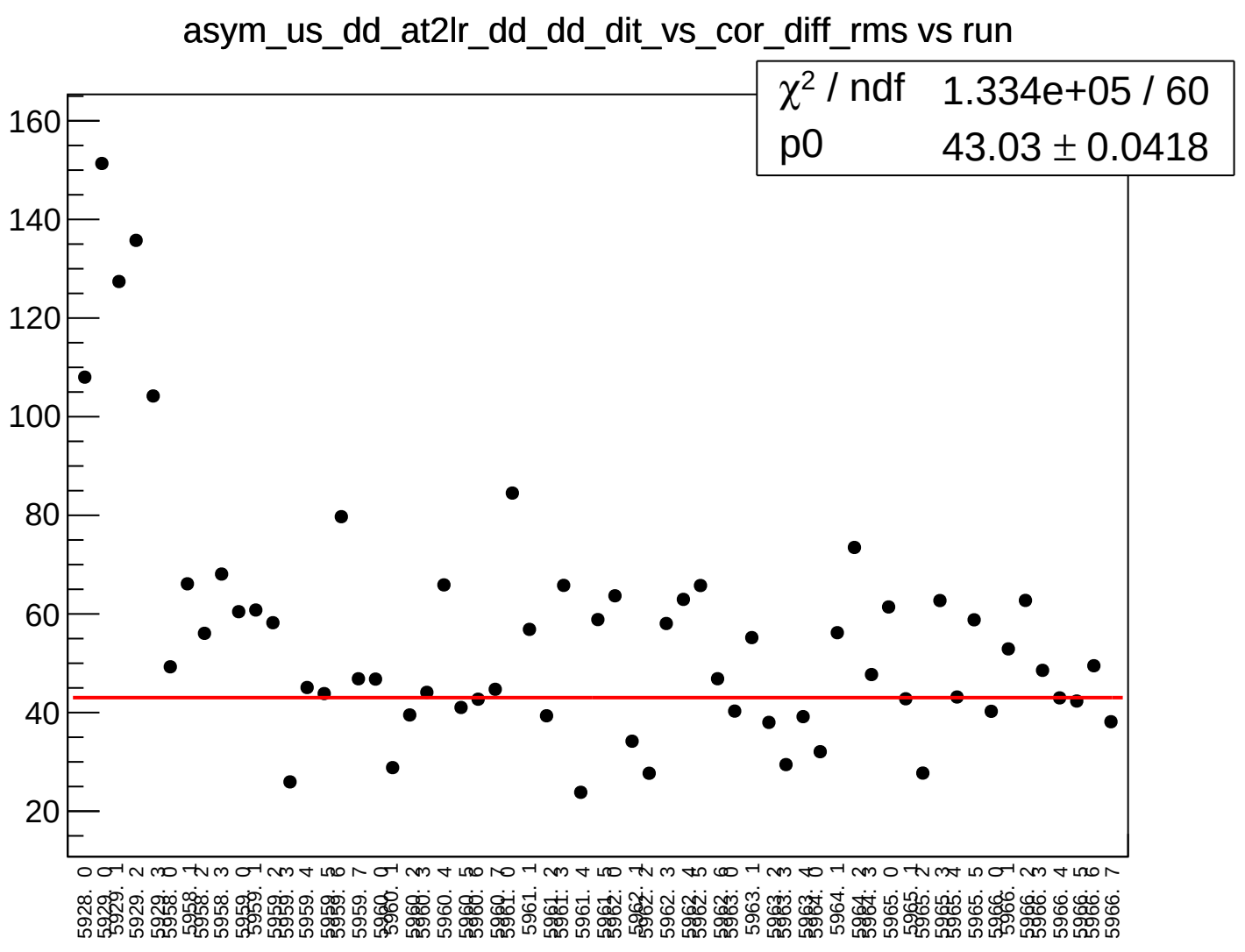

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 2182 / 60
p0 1828 ± 1.676
2100
2000
1900
1800
1700

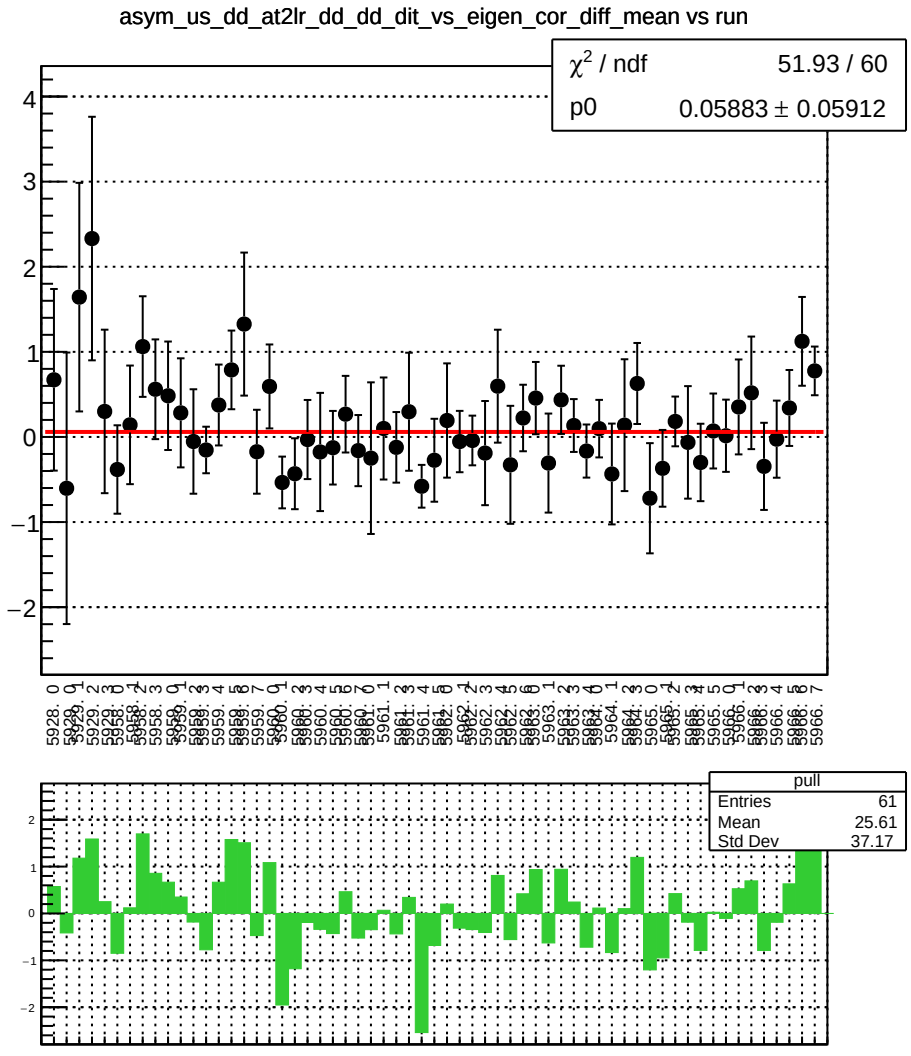

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.63 / 60
p0 1.125e−13 ± 1.308e−13
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 61
Mean 101.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

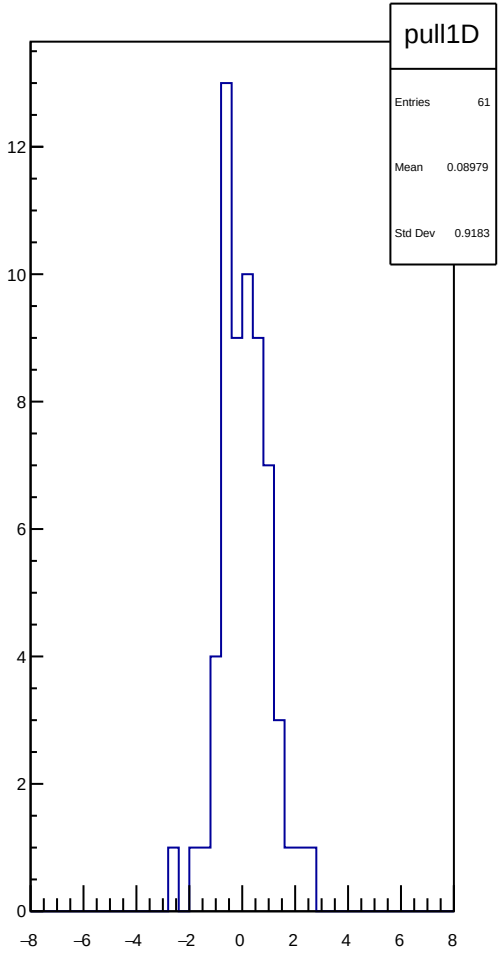

pull1D
Entries 61
Mean −0.04414
Std Dev 0.9877
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

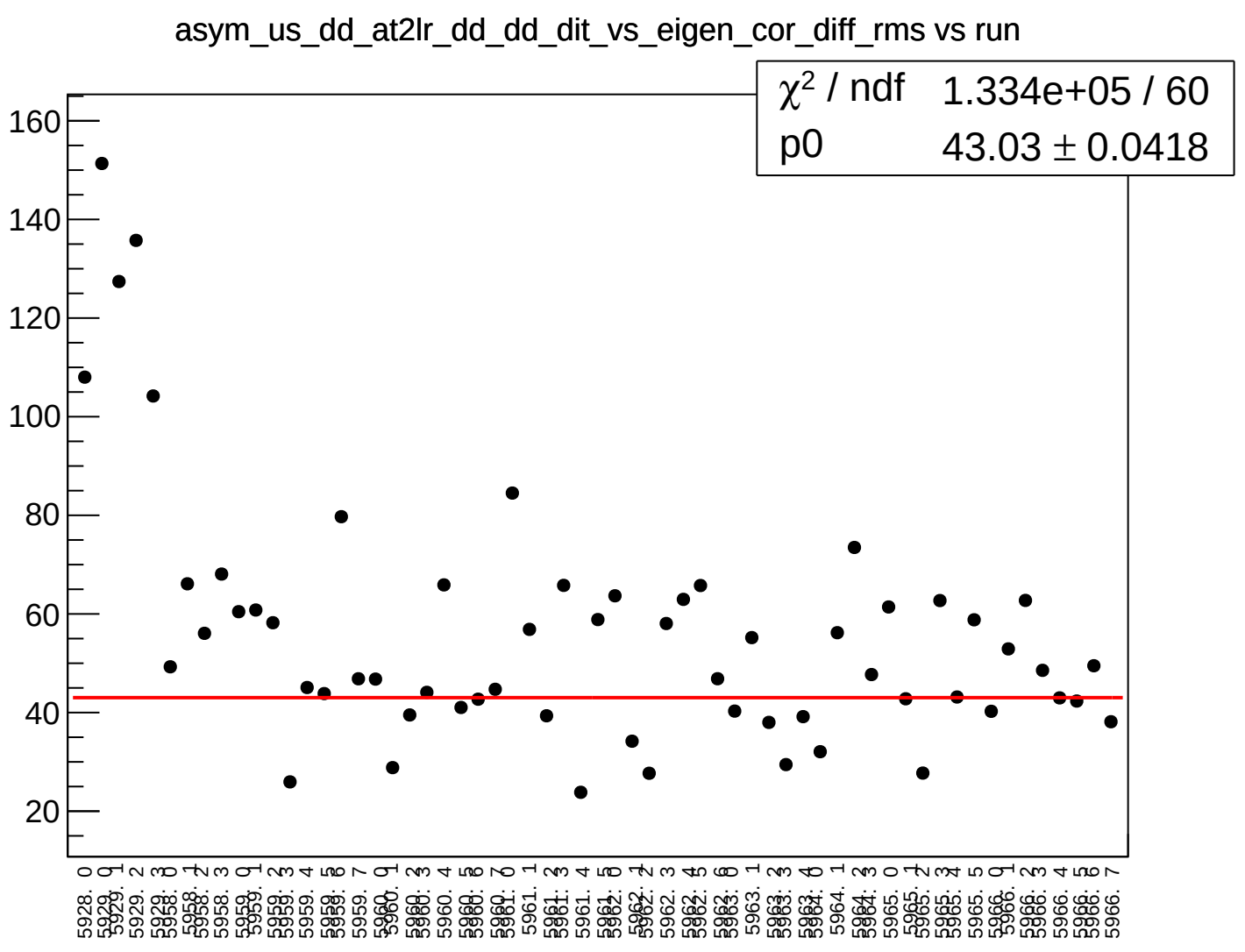

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.24e+05 / 60
p0 6.334e−11 ± 9.251e−14
0.6
0.5
0.4
0.3
0.2
0.1
0
5928. 0
5929. 1
5929. 2
5929. 3
5958. 0
5958. 1
5958. 2
5958. 3
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5959. 7
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5960. 7
5961. 0
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5964. 1
5964. 2
5964. 3
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

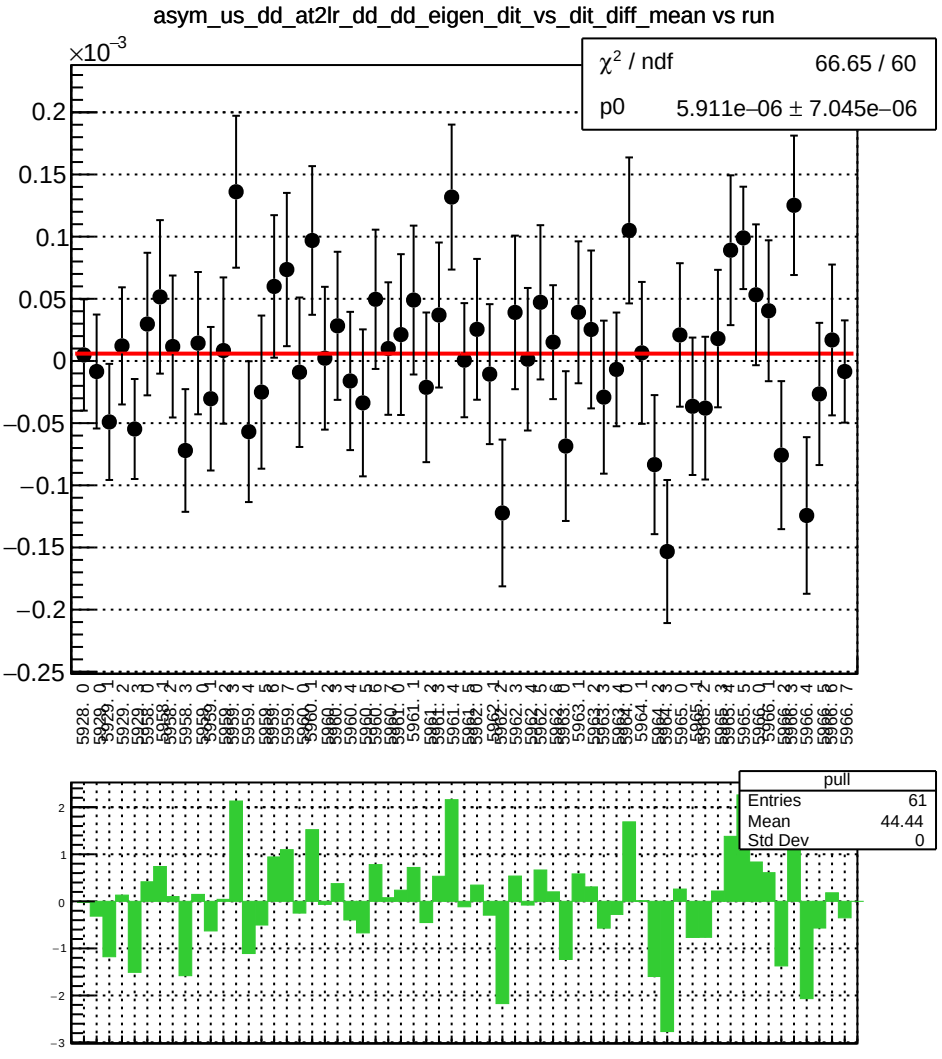

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.93 / 60
p0 0.05883 ± 0.05912
pull
Entries 61
Mean 25.61
Std Dev 37.17
pull1D
Entries 61
Mean 0.08979
Std Dev 0.9183

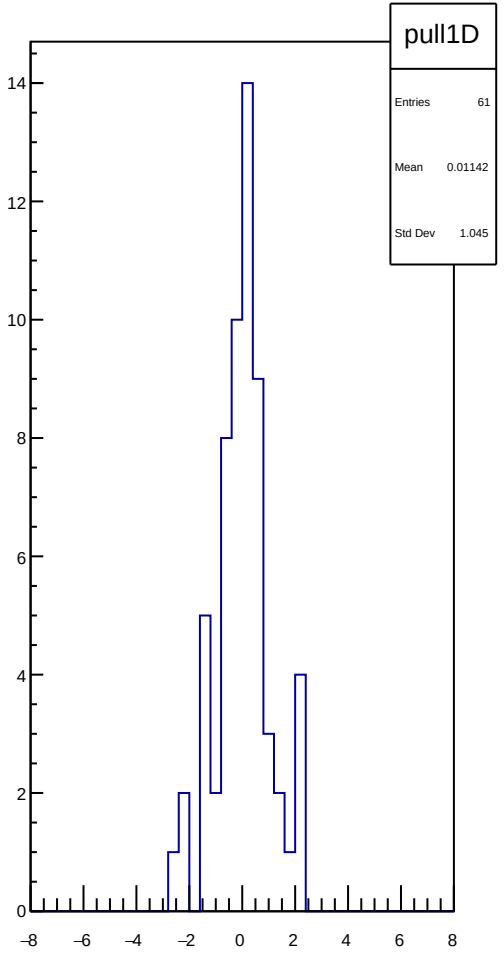

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.334e+05 / 60
p0 43.03 ± 0.0418
160
140
120
100
80
60
40
20

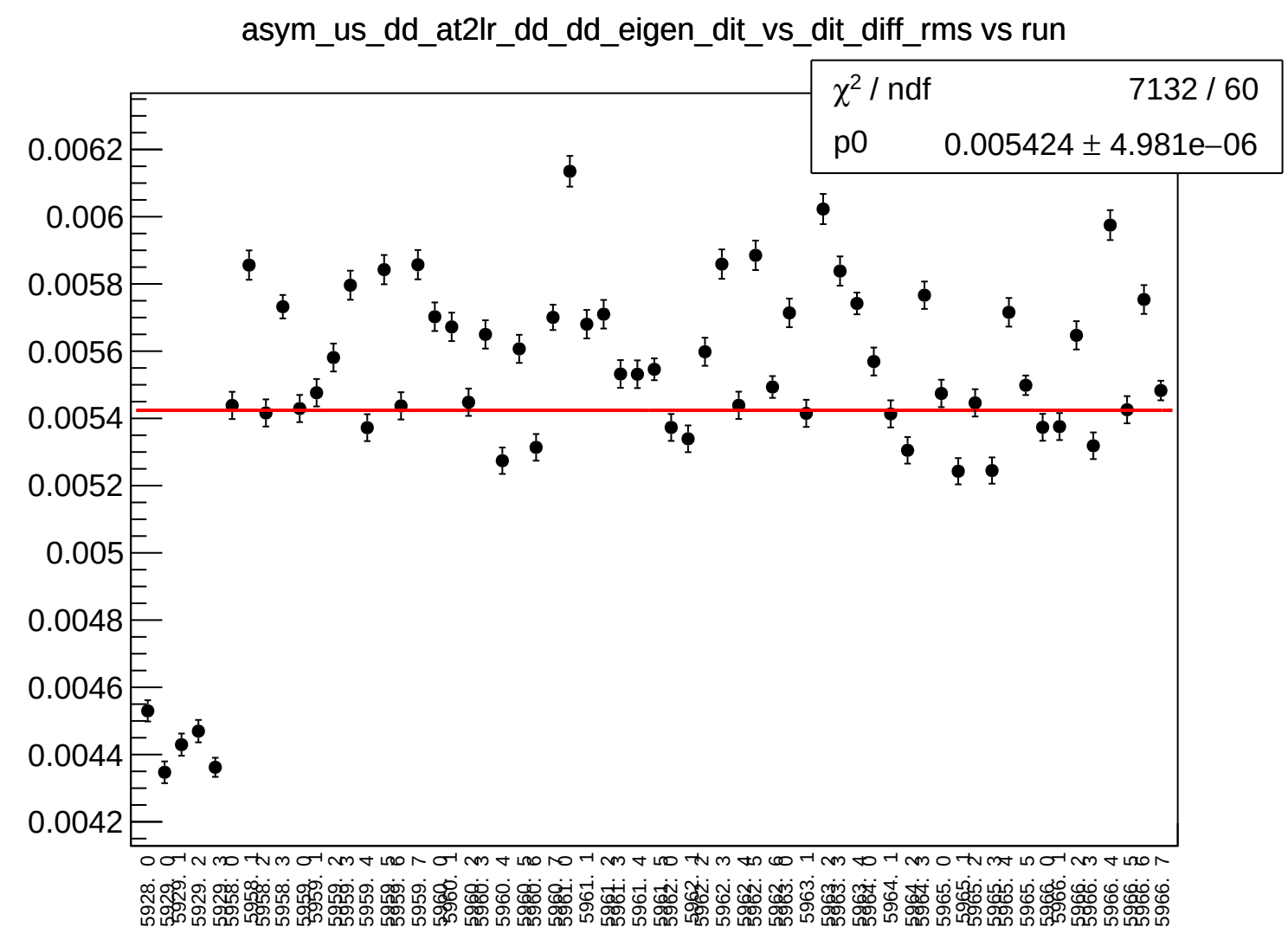

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.93 / 60
p0 0.05883 ± 0.05912
pull
Entries 61
Mean 25.61
Std Dev 37.17

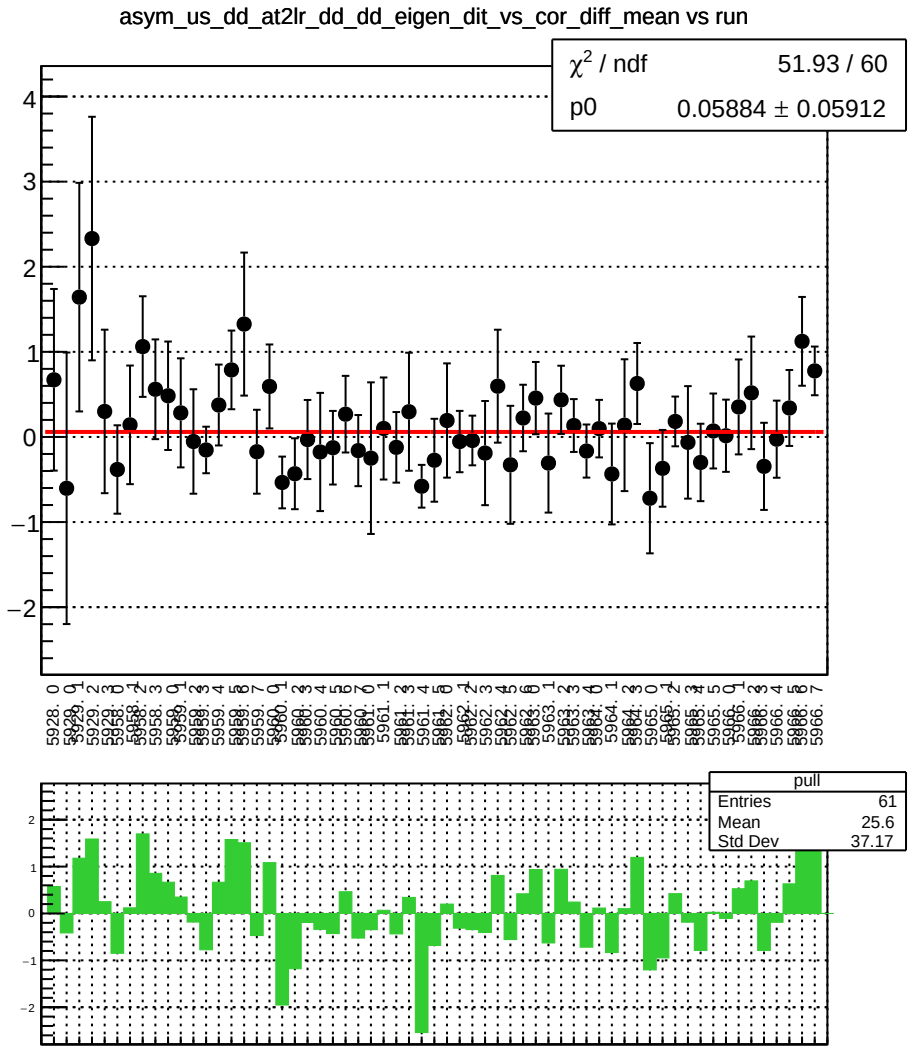

pull1D
Entries 61
Mean 0.08979
Std Dev 0.9183

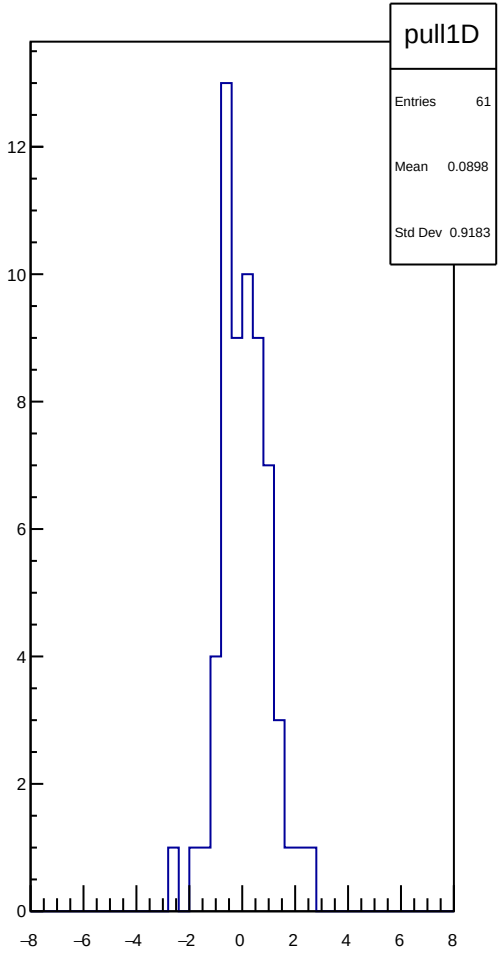

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.334e+05 / 60
p0 43.03 ± 0.0418
160
140
120
100
80
60
40
20

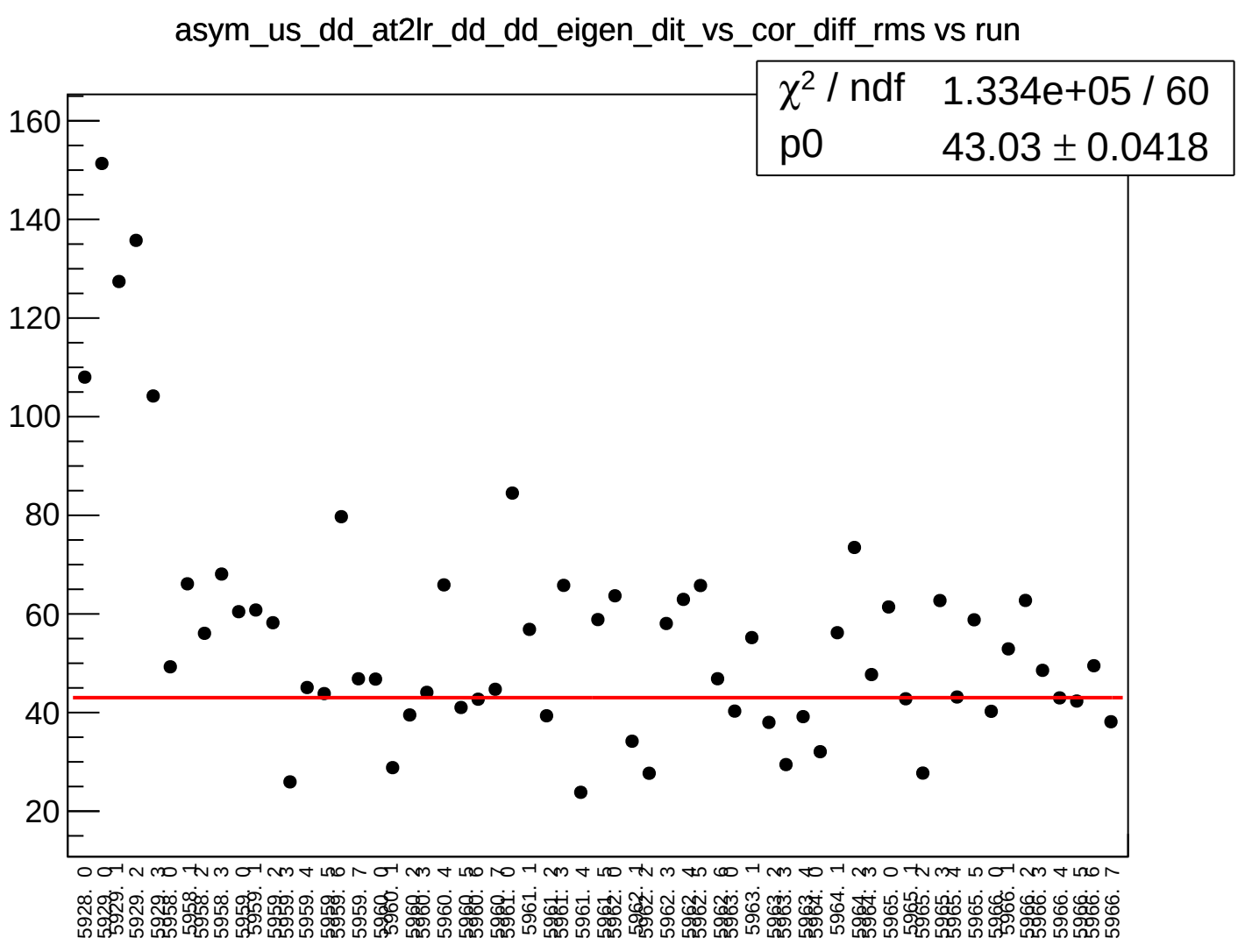

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.65 / 60
p0 5.911e−06 ± 7.045e−06
pull
Entries 61
Mean 44.44
Std Dev 0

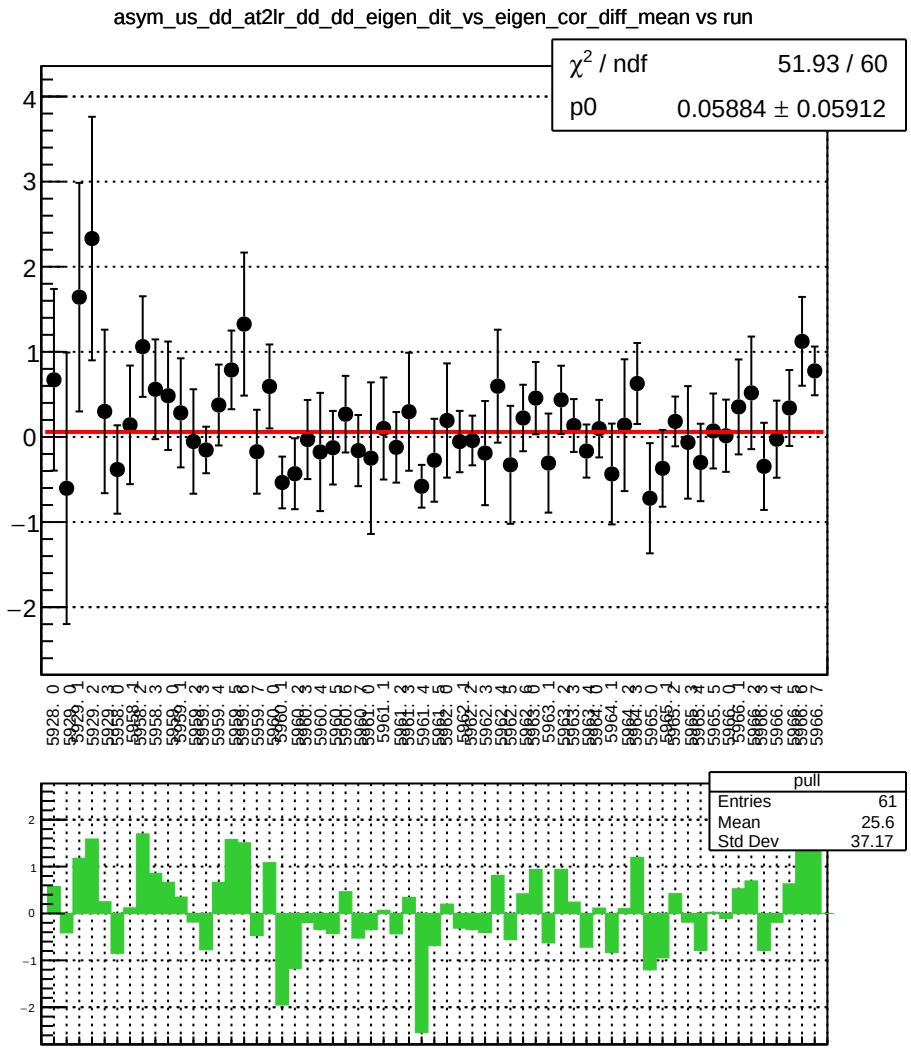

pull1D
Entries 61
Mean 0.01142
Std Dev 1.045

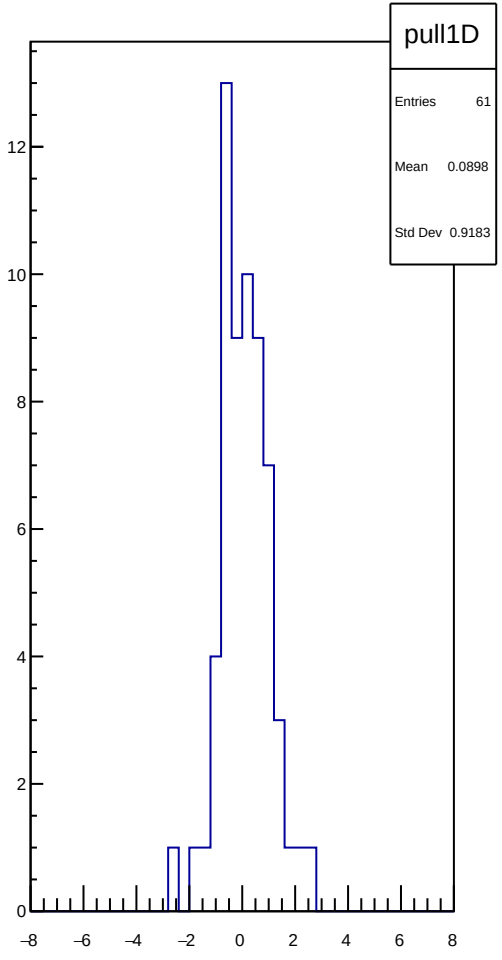

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7132 / 60
p0 0.005424 ± 4.981e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

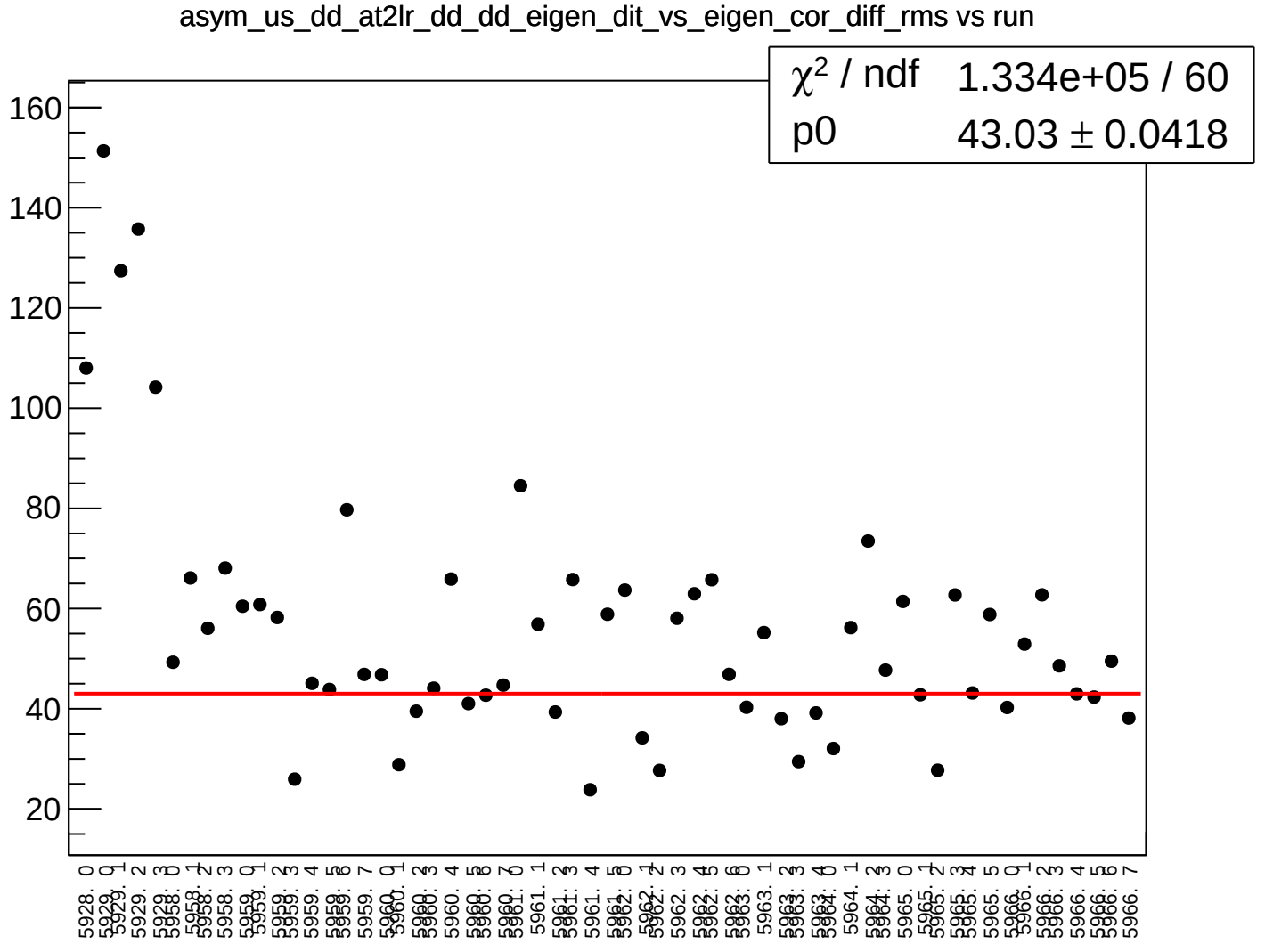

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.93 / 60
p0 0.05884 ± 0.05912
pull
Entries 61
Mean 25.6
Std Dev 37.17

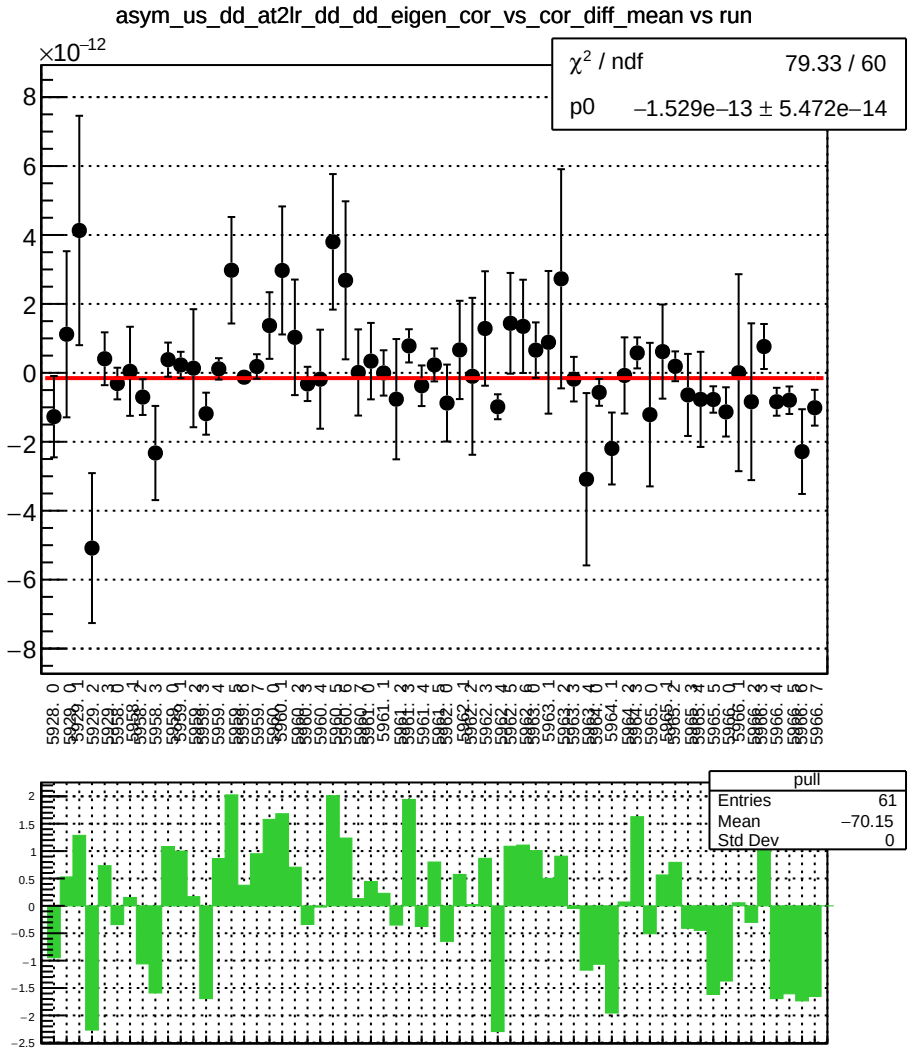

pull1D
Entries 61
Mean 0.0898
Std Dev 0.9183

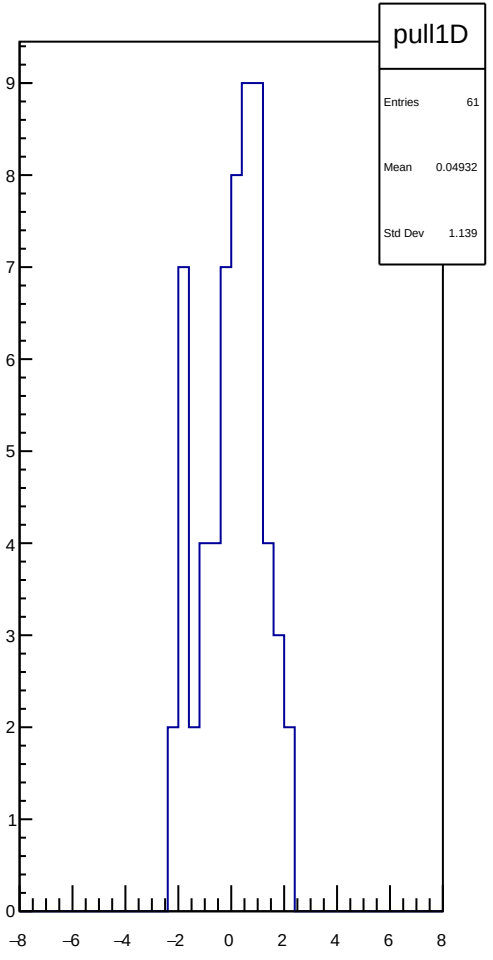

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.334e+05 / 60
p0 43.03 ± 0.0418
160
140
120
100
80
60
40
20

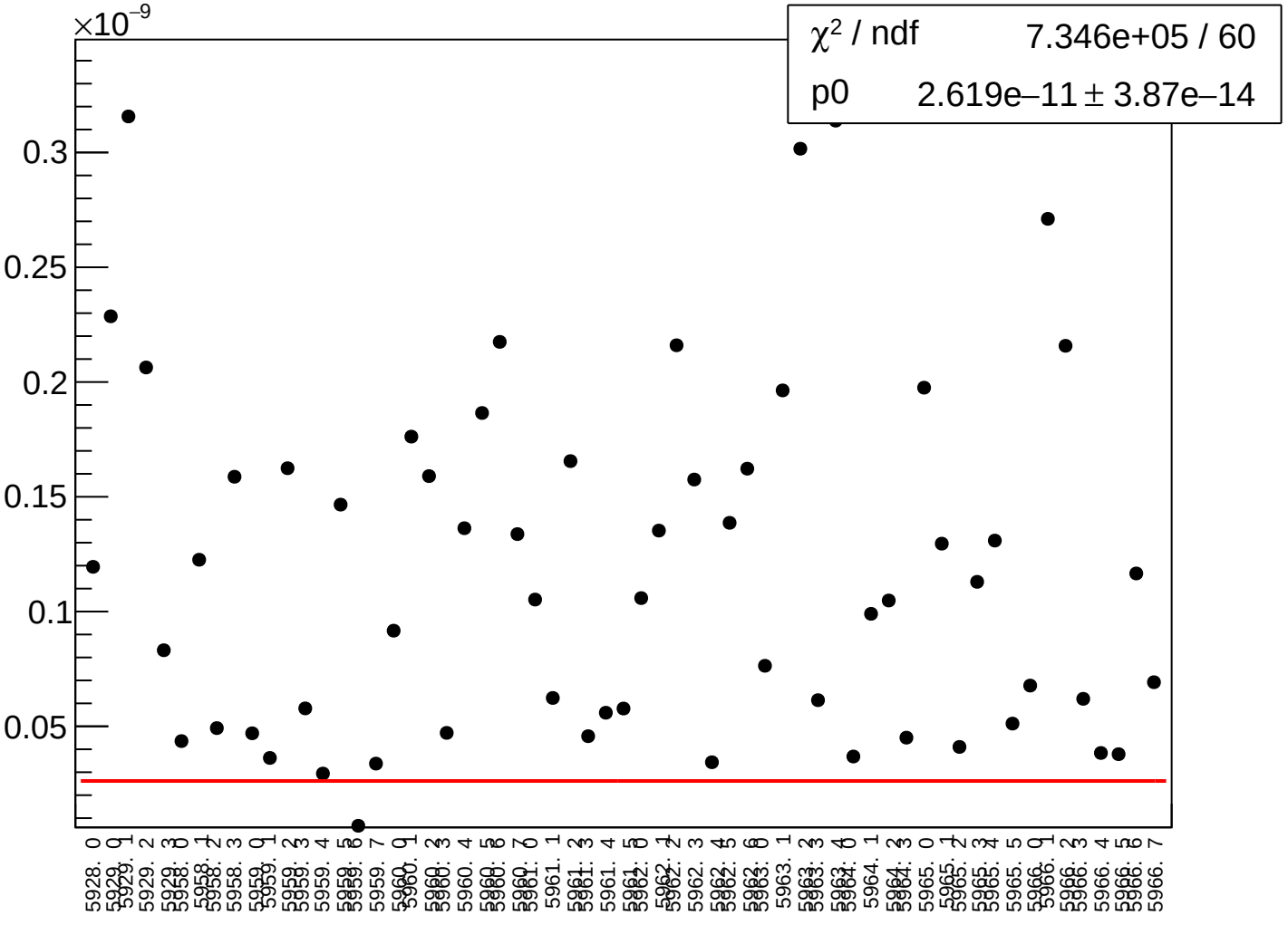

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ^2 / ndf 51.93 / 60
p0 0.05884 ± 0.05912
pull
Entries 61
Mean 25.6
Std Dev 37.17

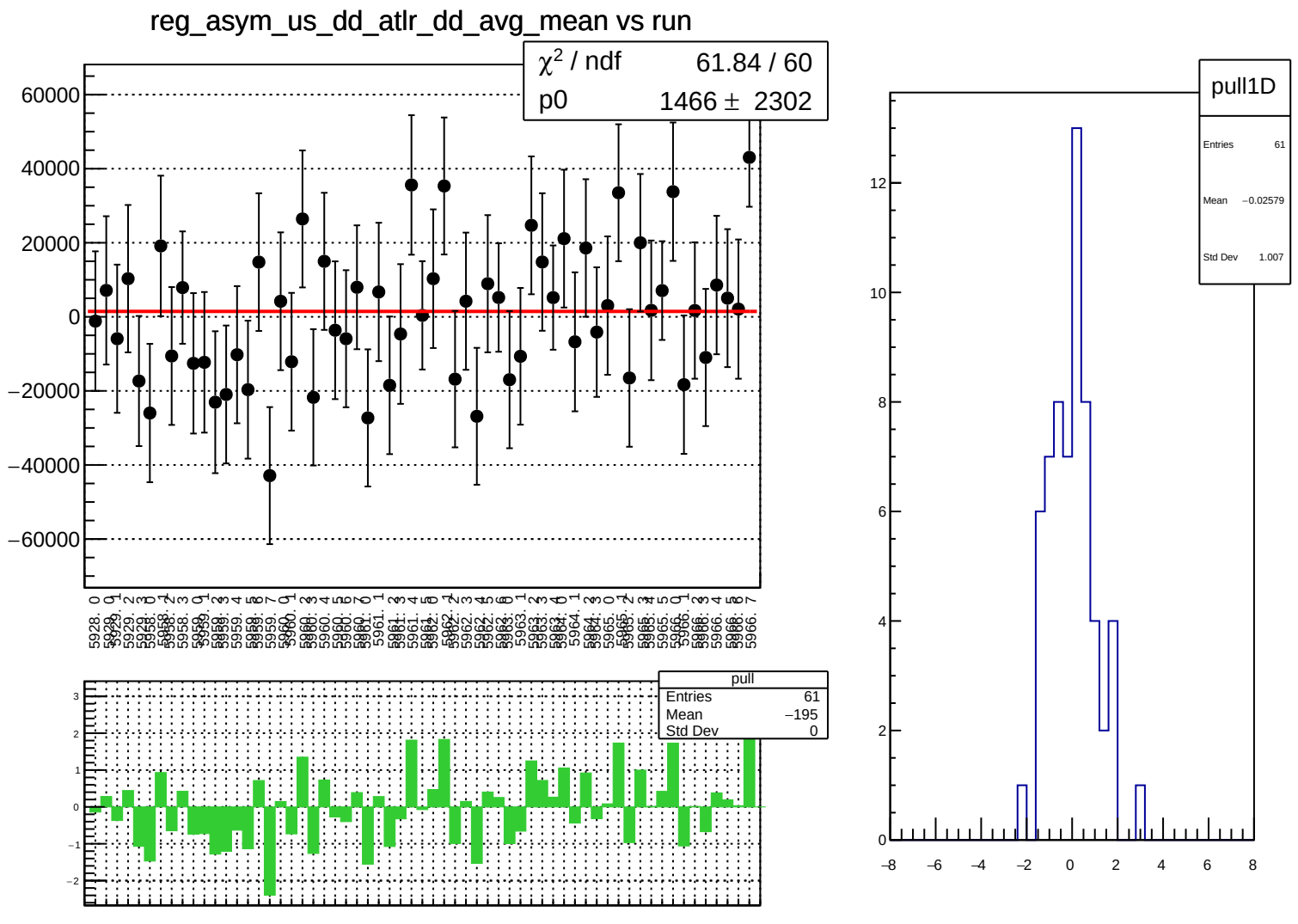

pull1D
Entries 61
Mean 0.0898
Std Dev 0.9183

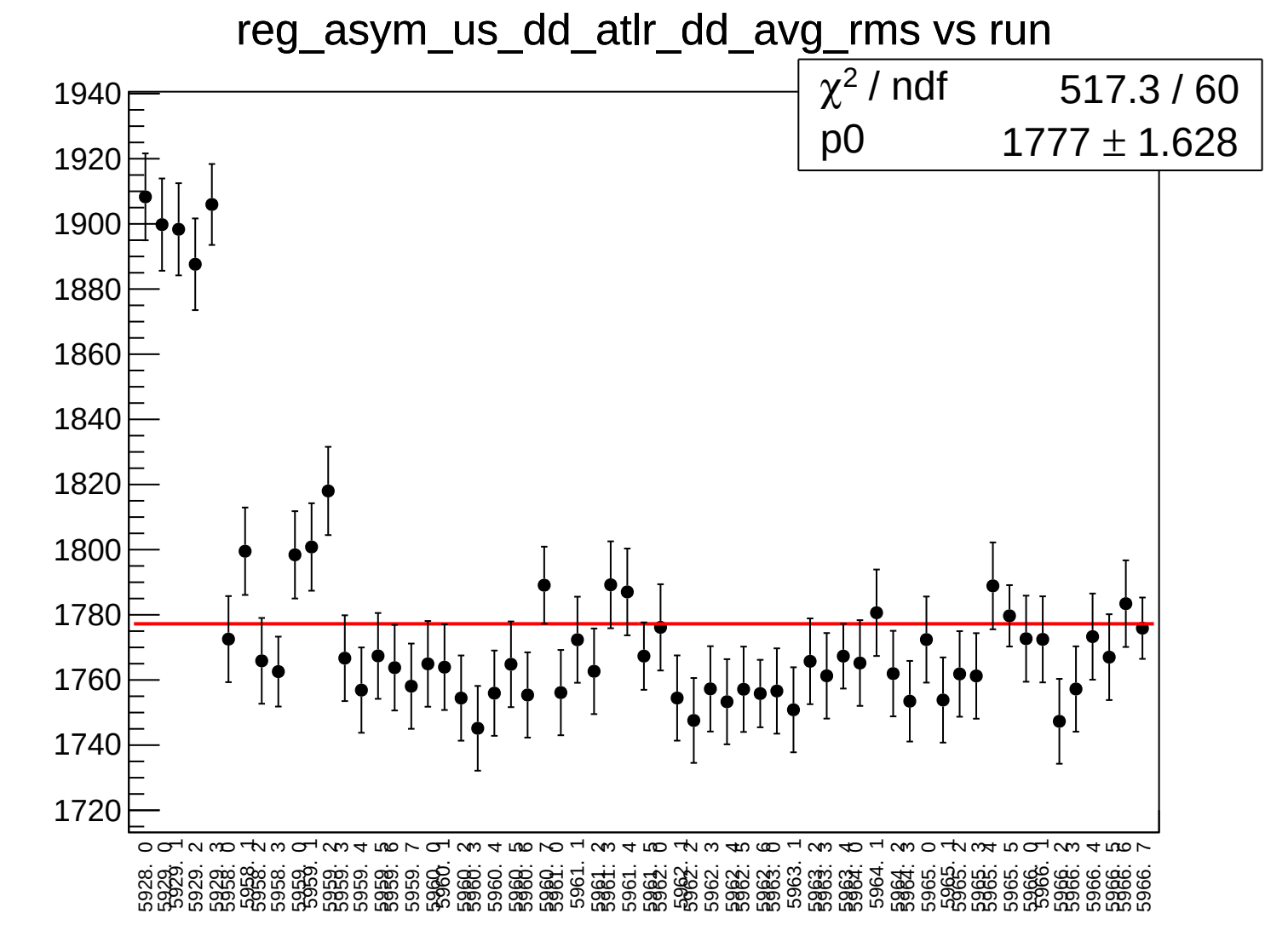

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.334e+05 / 60
p0 43.03 ± 0.0418
160
140
120
100
80
60
40
20

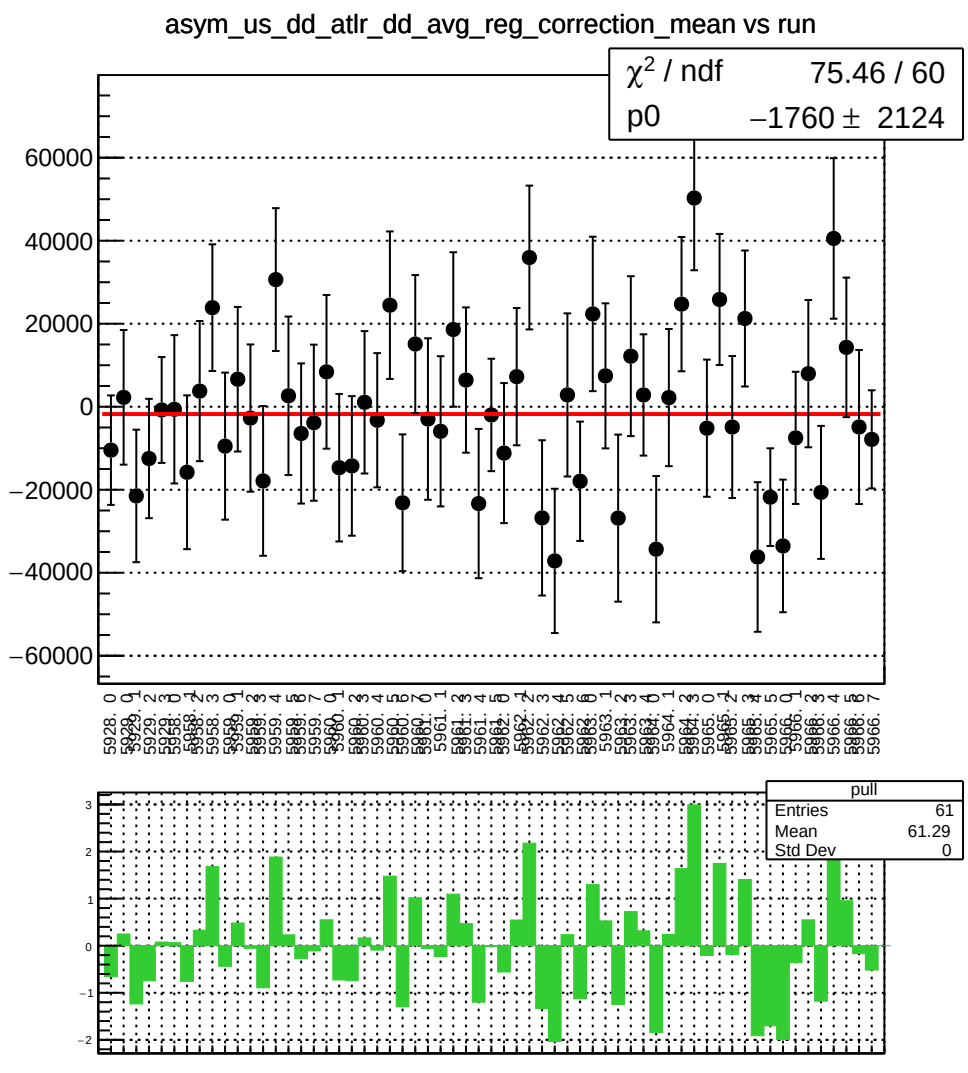

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.33 / 60
p0 −1.529e−13 ± 5.472e−14
pull
Entries 61
Mean −70.15
Std Dev 0

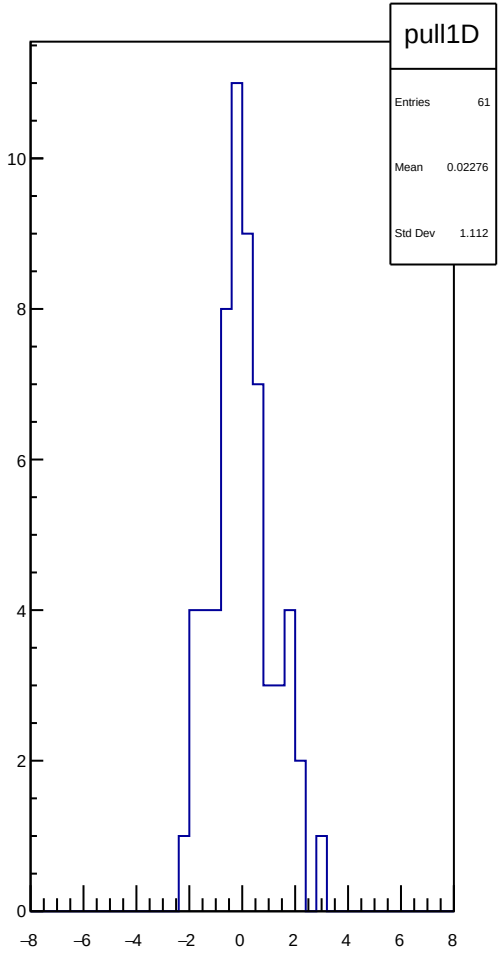

pull1D
Entries 61
Mean 0.04932
Std Dev 1.139

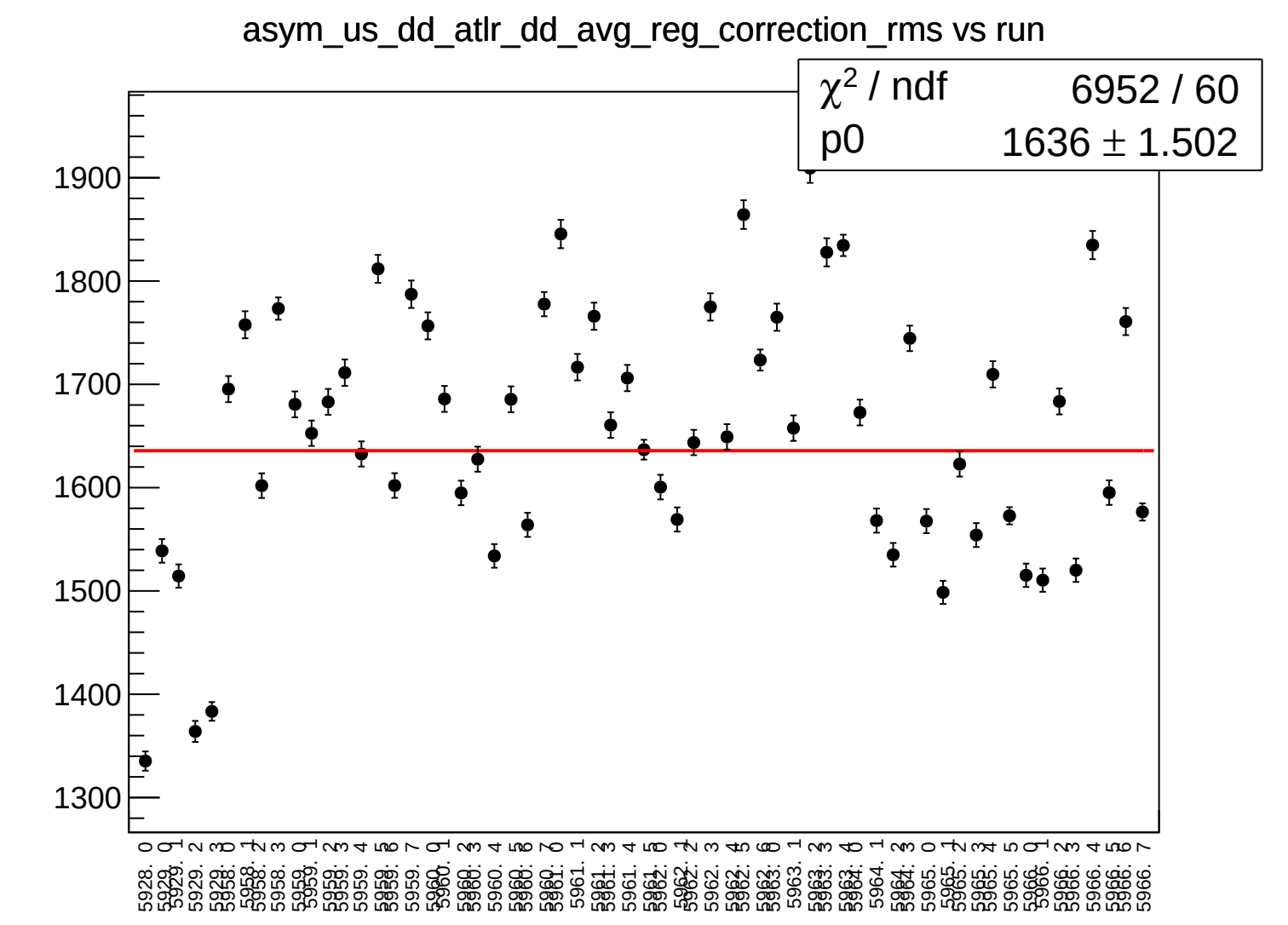

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.346e+05 / 60
p0 2.619e−11 ± 3.87e−14
0.3
0.25
0.2
0.15
0.1
0.05

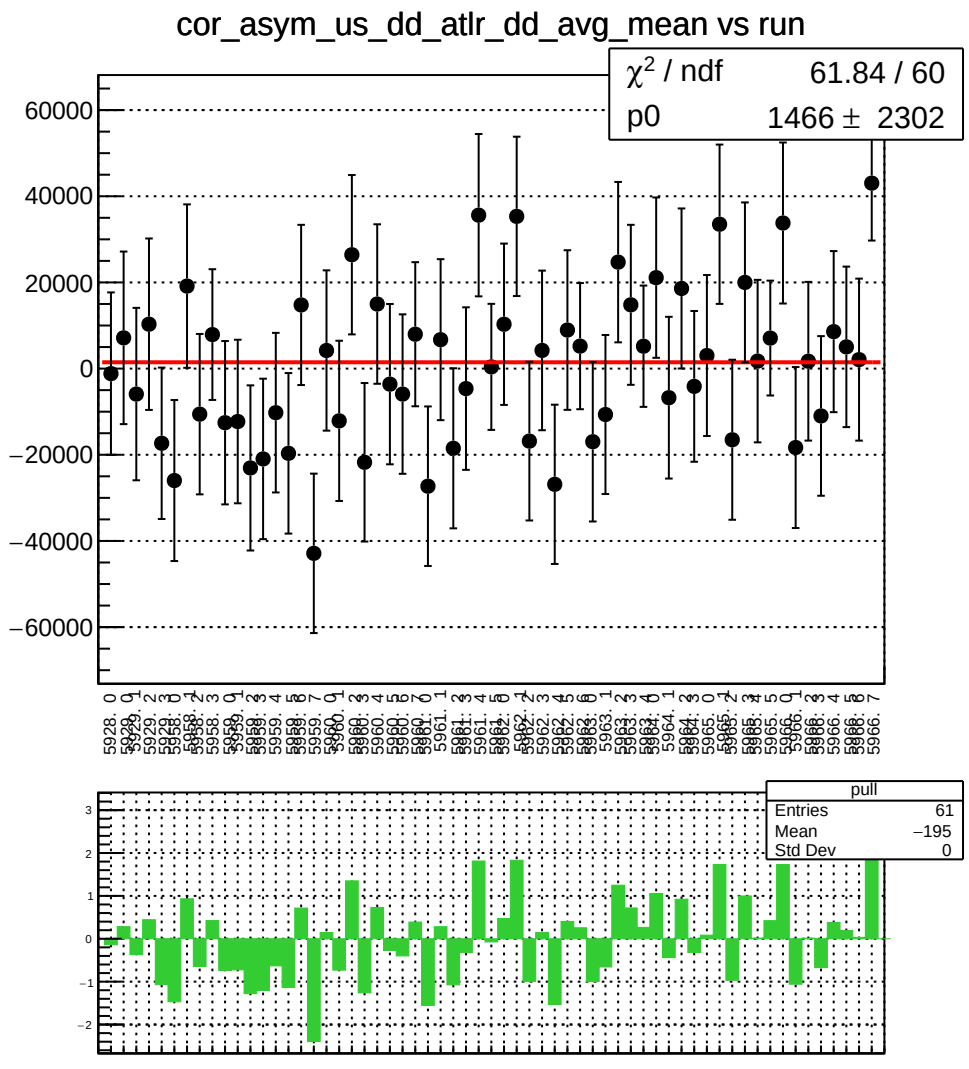

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 61.84 / 60
p0 1466 ± 2302
pull
Entries 61
Mean −195
Std Dev 0
pull1D
Entries 61
Mean −0.02579
Std Dev 1.007

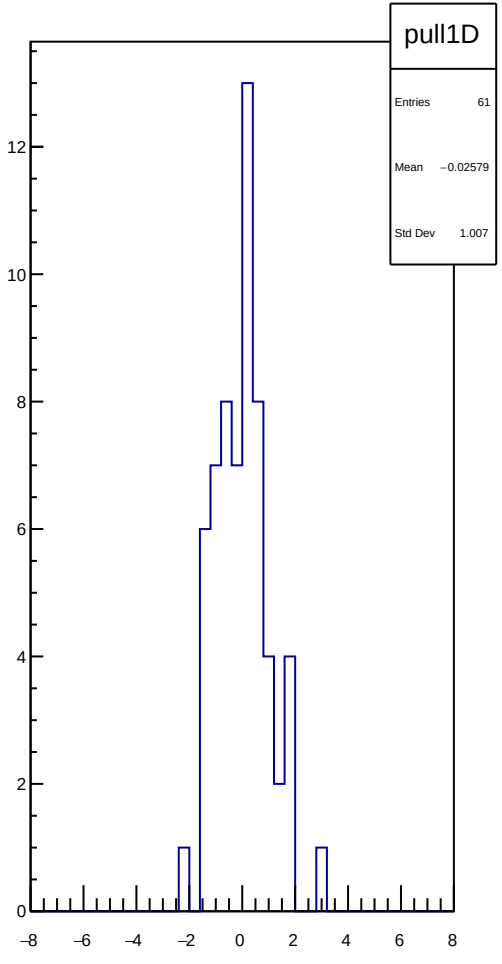

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 517.3 / 60
p0 1777 ± 1.628
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

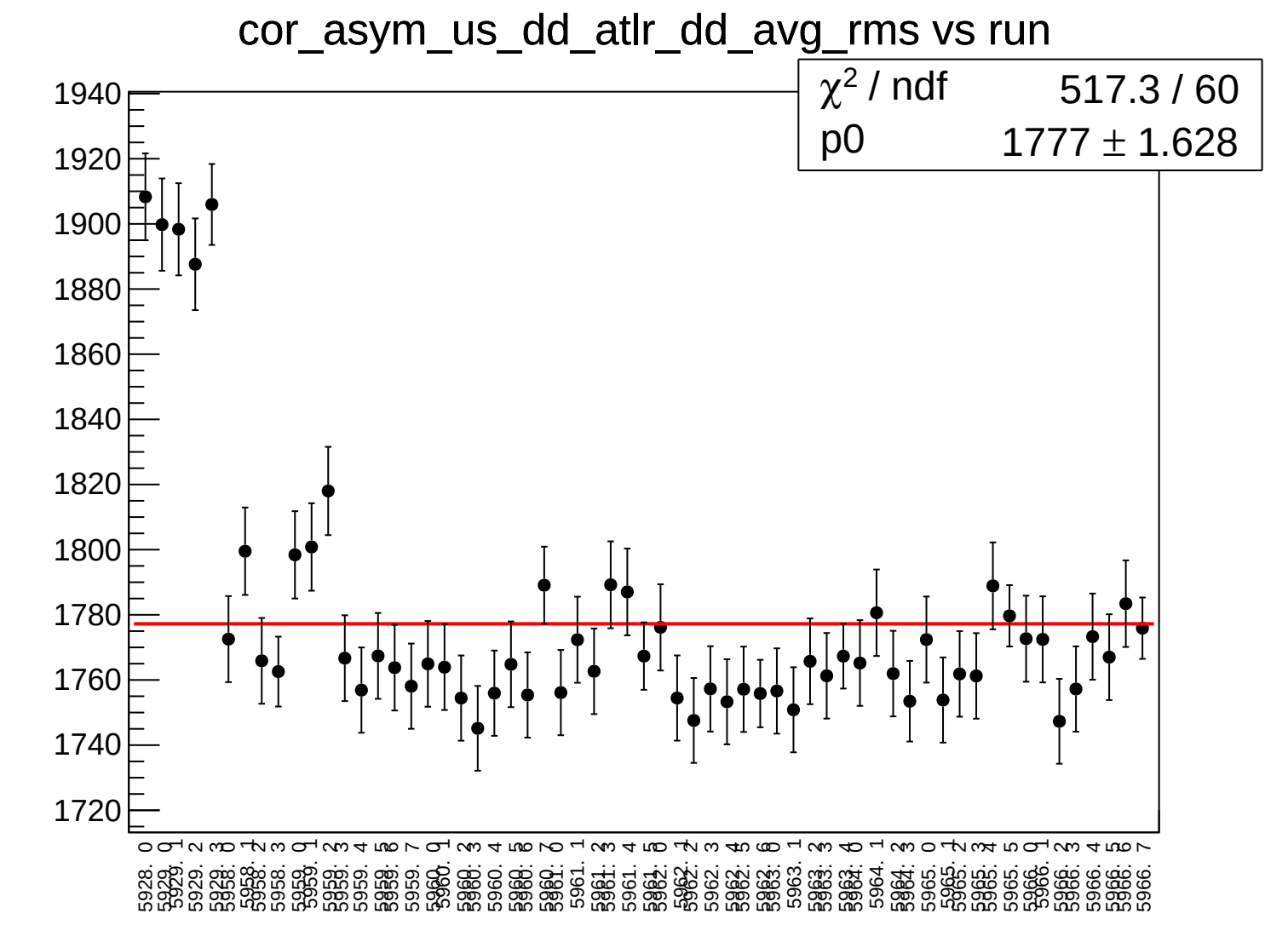

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 75.46 / 60
p0 −1760 ± 2124
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 61.29
Std Dev 0
3
2
1
0
−1
−2

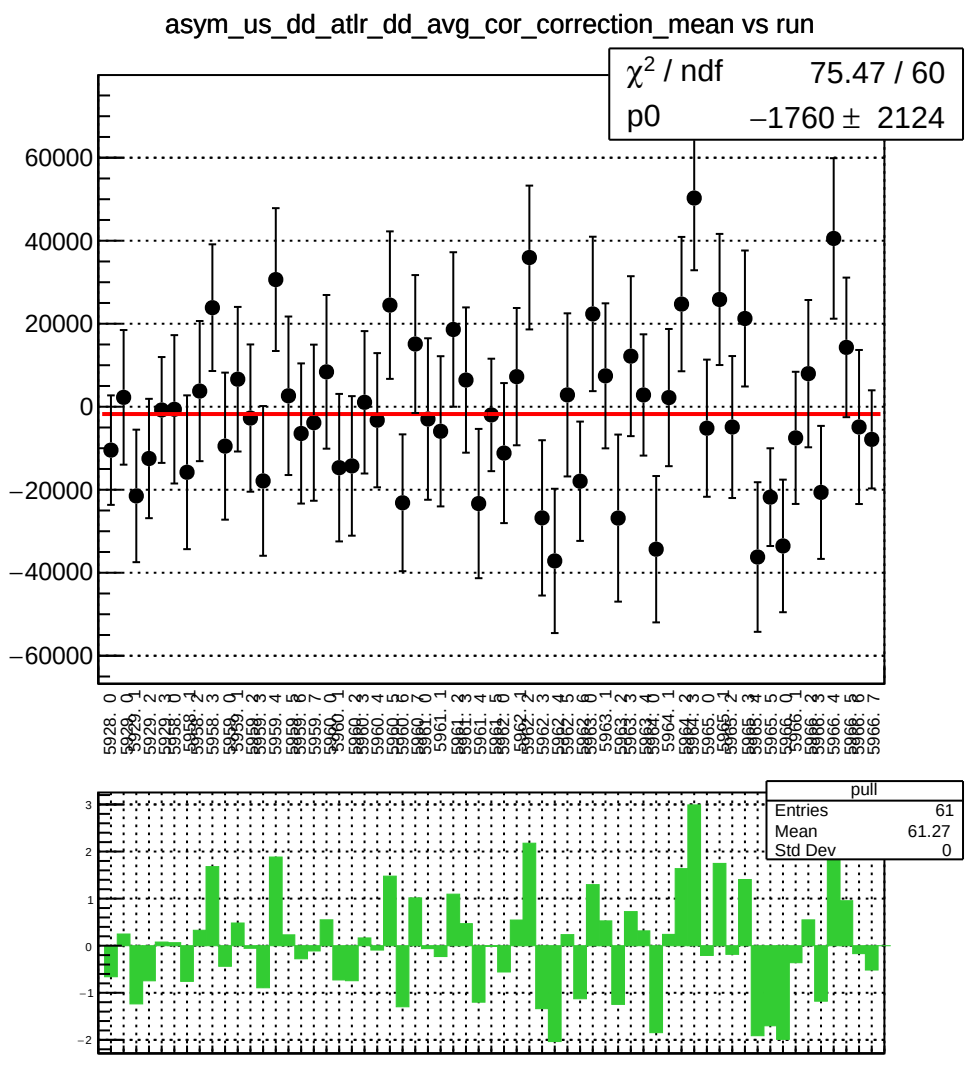

pull1D
Entries 61
Mean 0.02276
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

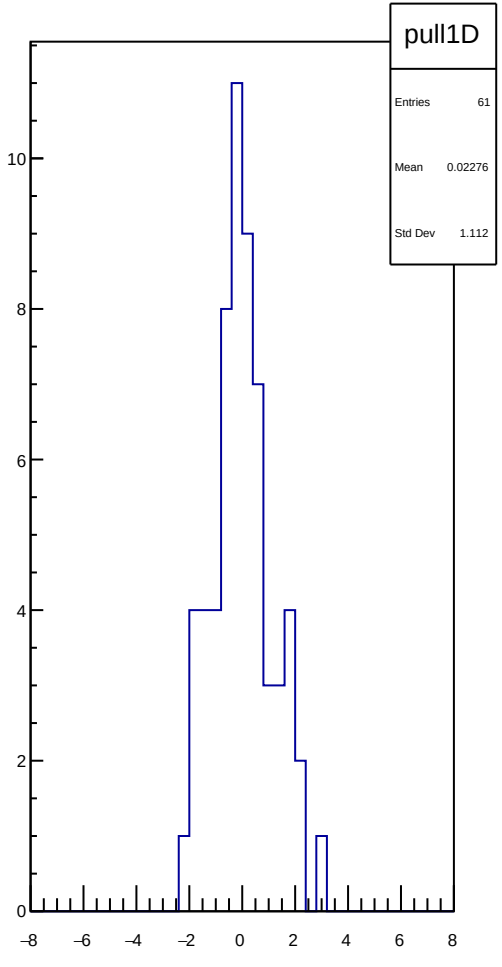

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 6952 / 60
p0 1636 ± 1.502
1900
1800
1700
1600
1500
1400
1300

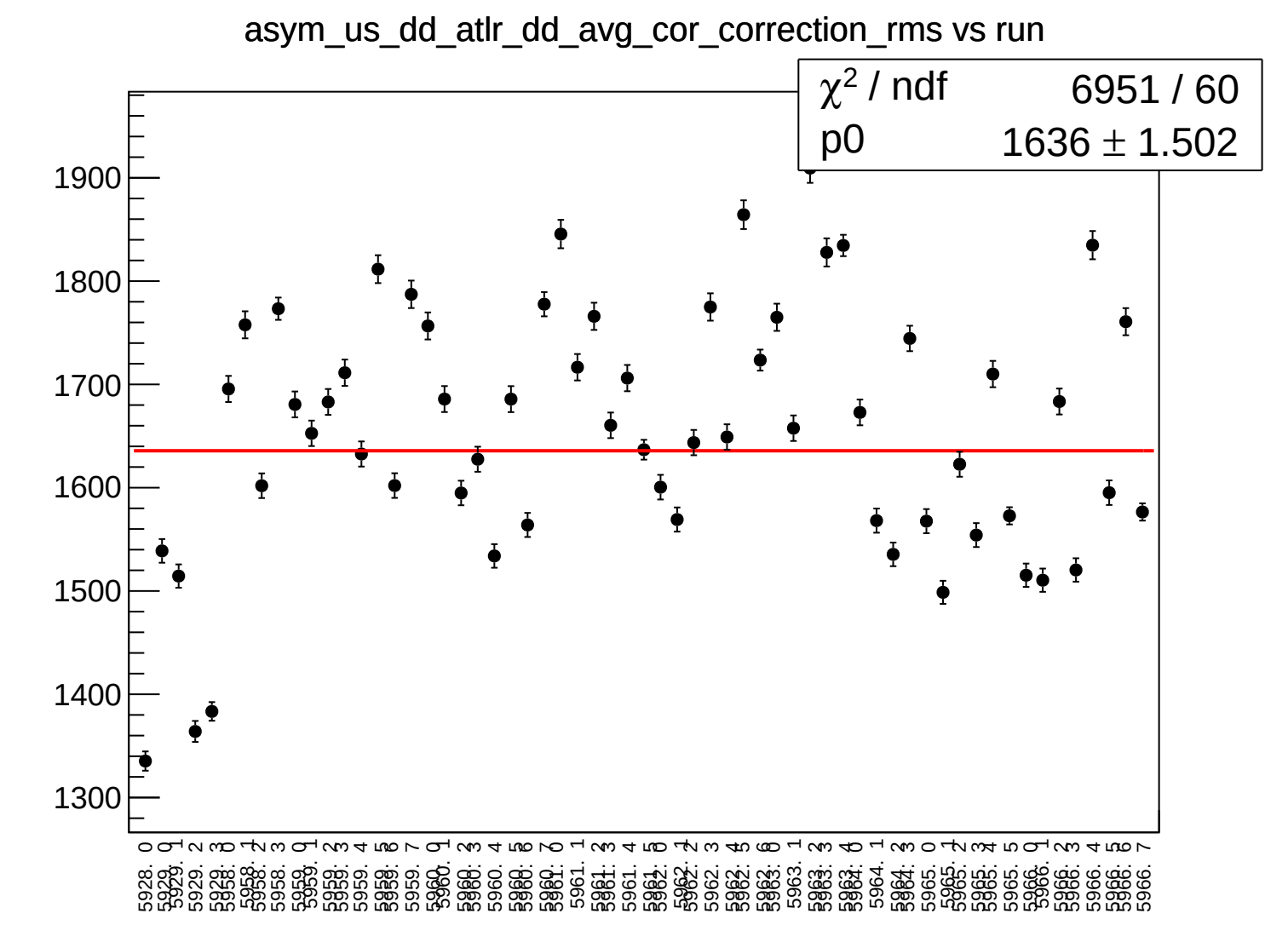

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 61.84 / 60
p0 1466 ± 2302
pull
Entries 61
Mean −195
Std Dev 0

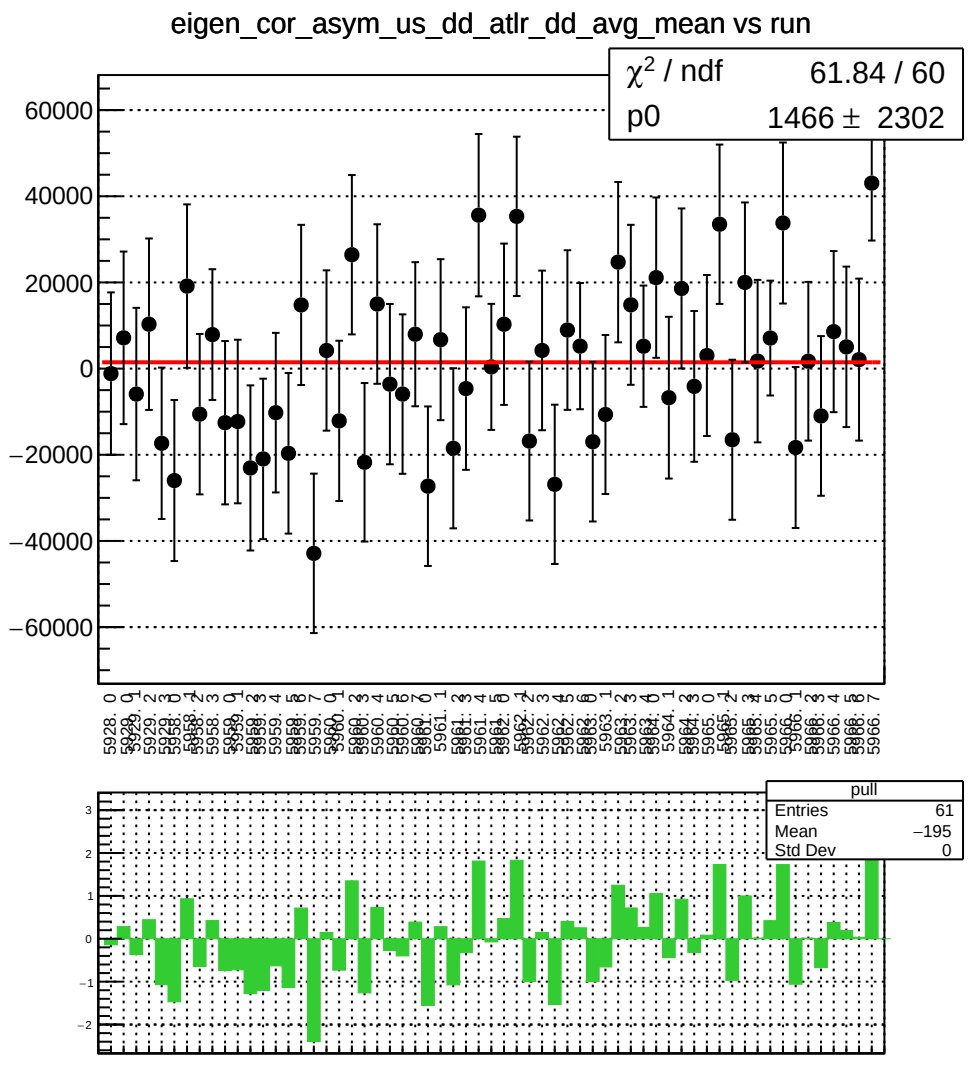

pull1D
Entries 61
Mean −0.02579
Std Dev 1.007

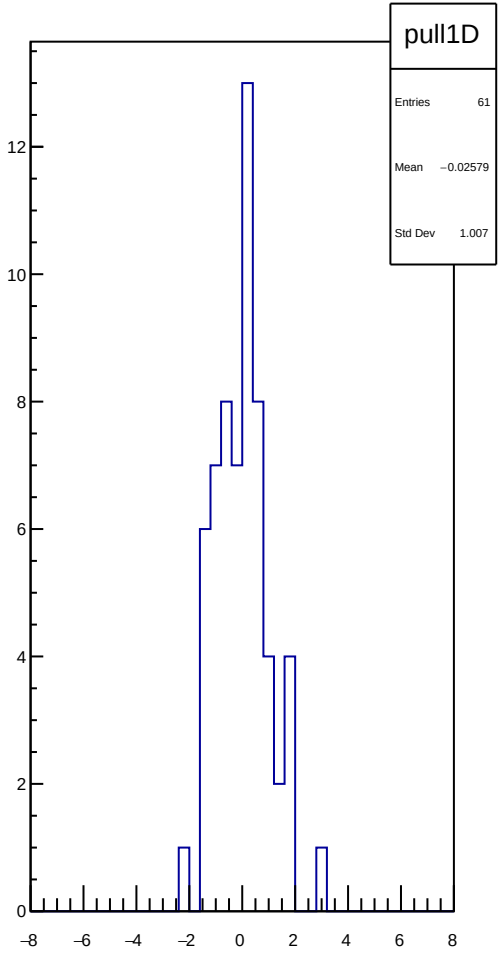

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 517.3 / 60
p0 1777 ± 1.628
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

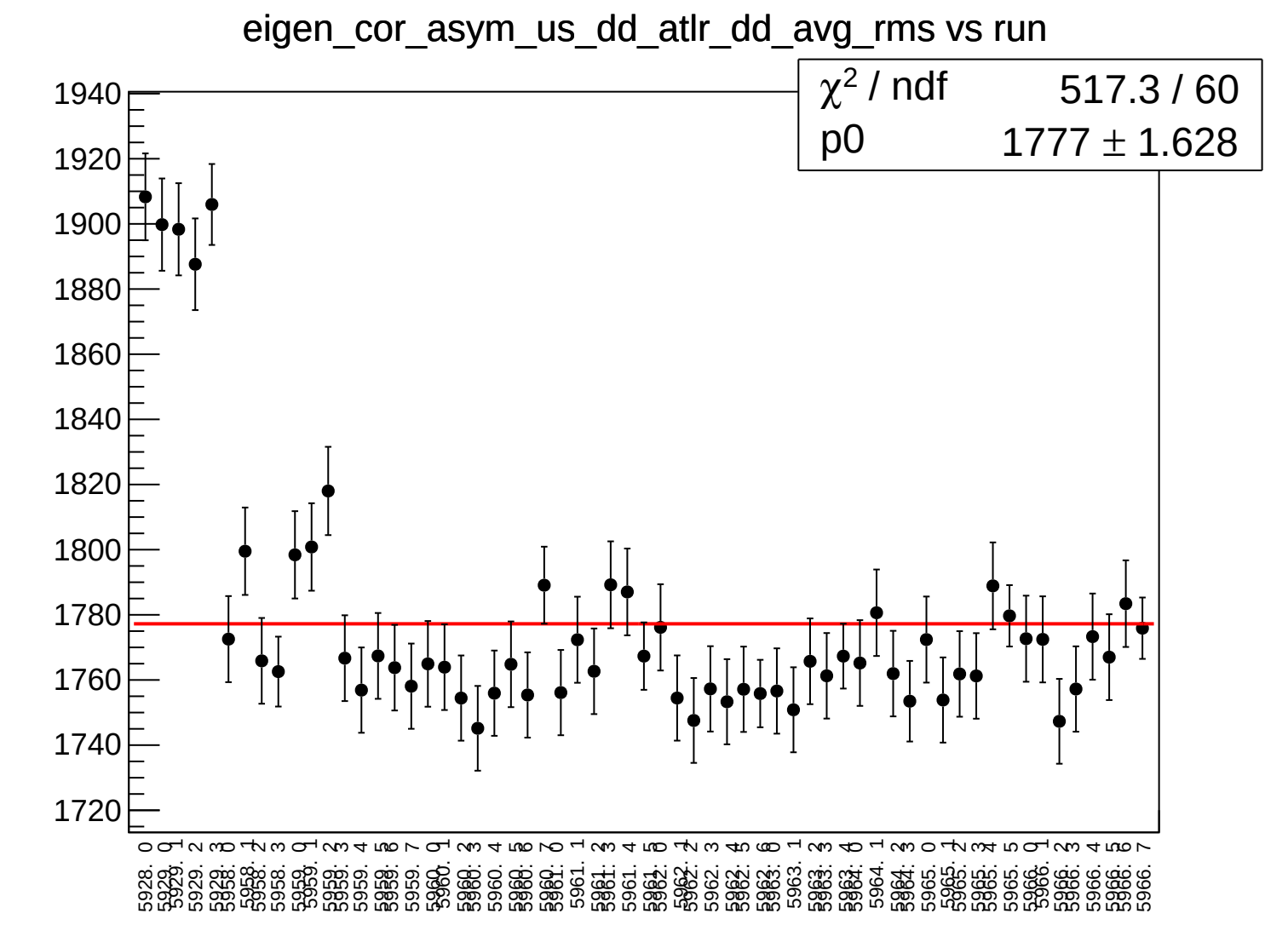

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 75.47 / 60
p0 −1760 ± 2124
pull
Entries 61
Mean 61.27
Std Dev 0

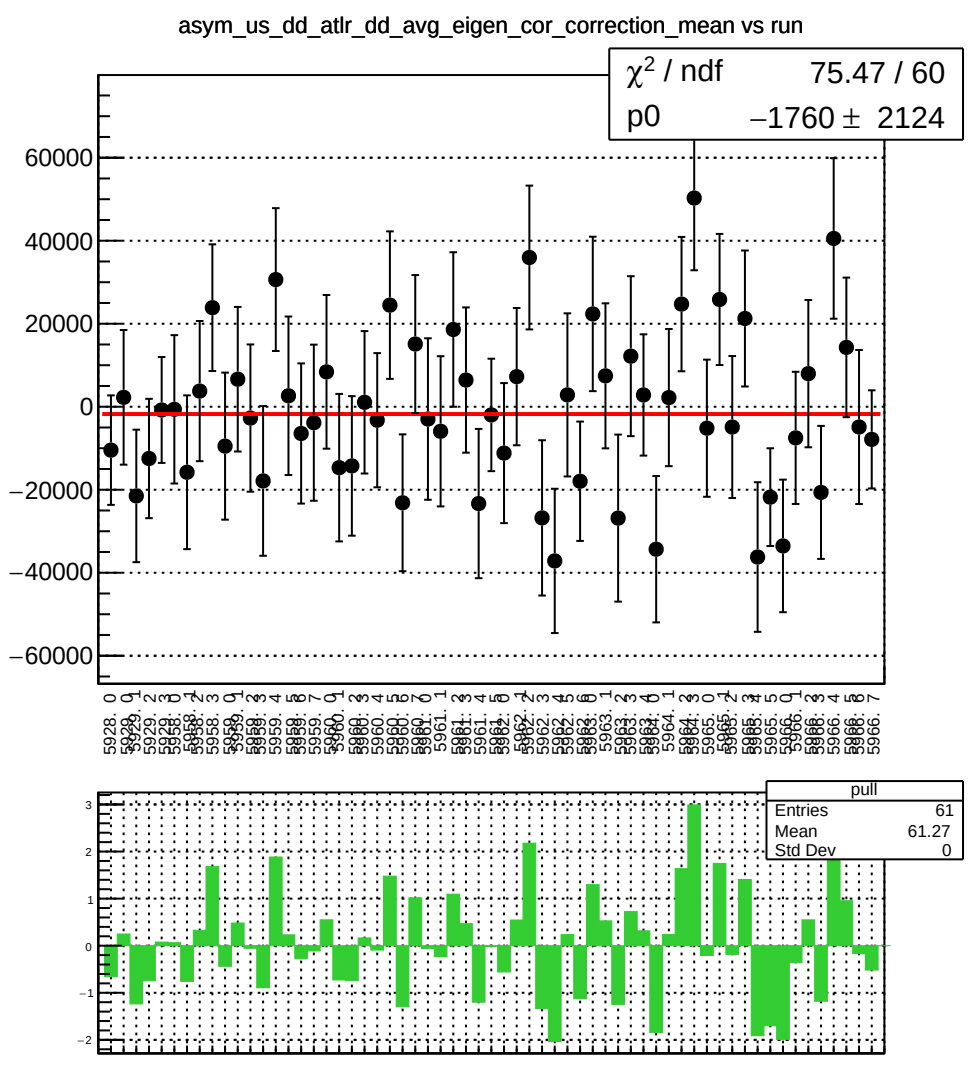

pull1D
Entries 61
Mean 0.02276
Std Dev 1.112

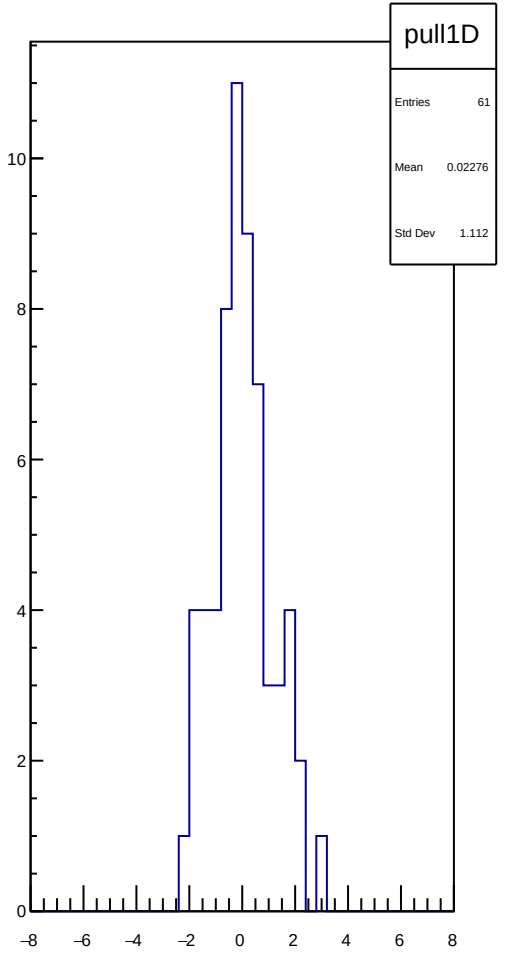

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 6951 / 60
p0 1636 ± 1.502
1900
1800
1700
1600
1500
1400
1300

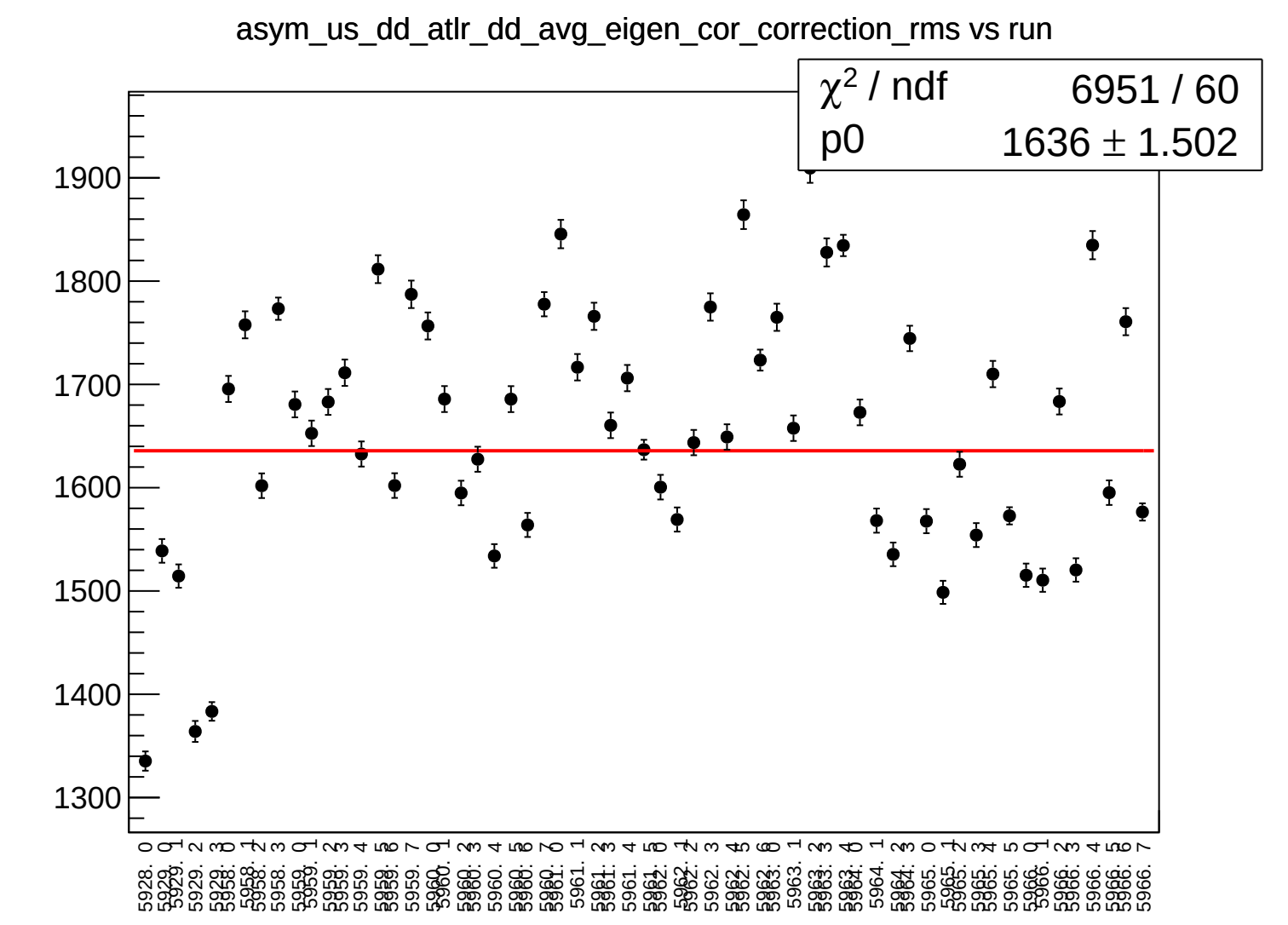

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 61.84 / 60
p0 1466 ± 2302
pull
Entries 61
Mean −195
Std Dev 0

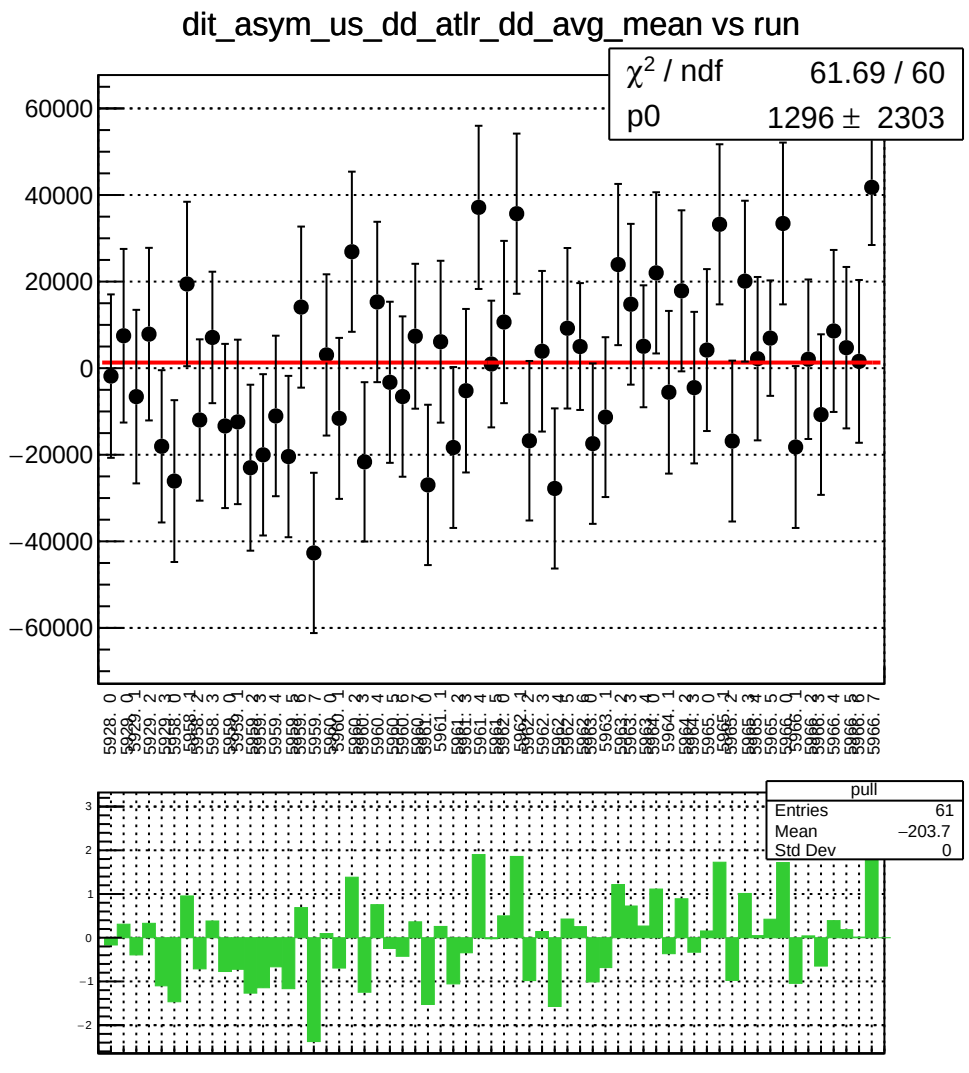

pull1D
Entries 61
Mean −0.02579
Std Dev 1.007

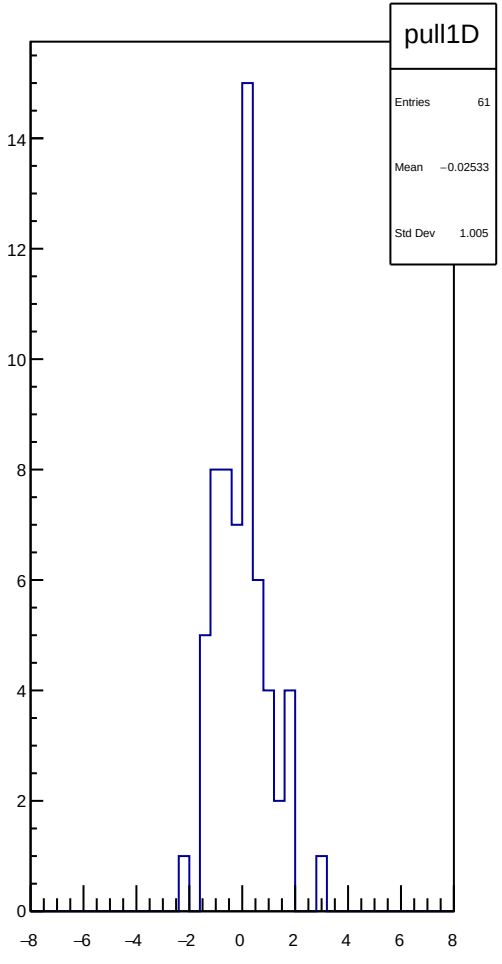

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 517.3 / 60
p0 1777 ± 1.628
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

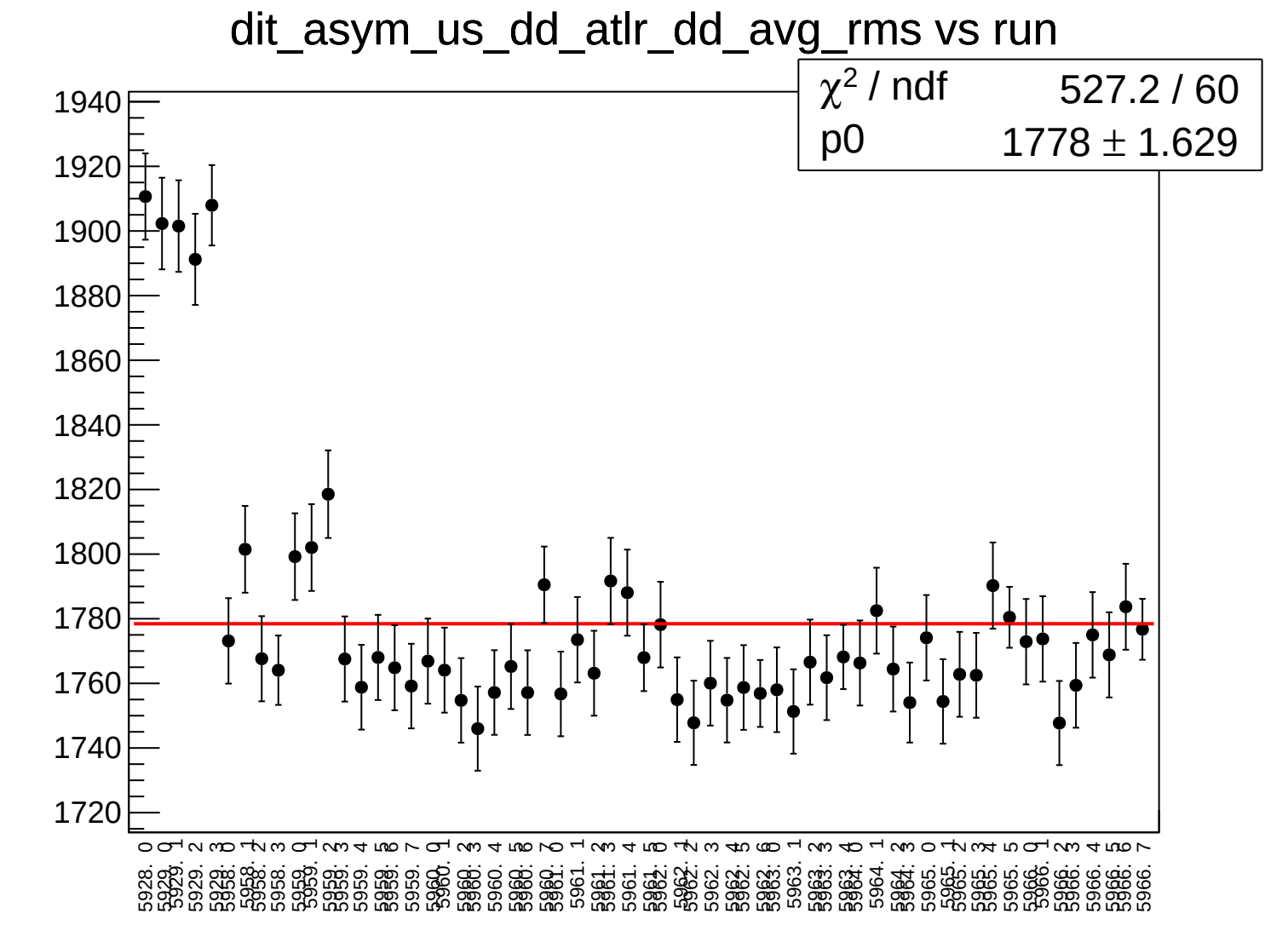

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.47 / 60
p0 −1760 ± 2124
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 61.27
Std Dev 0
3
2
1
0
−1
−2

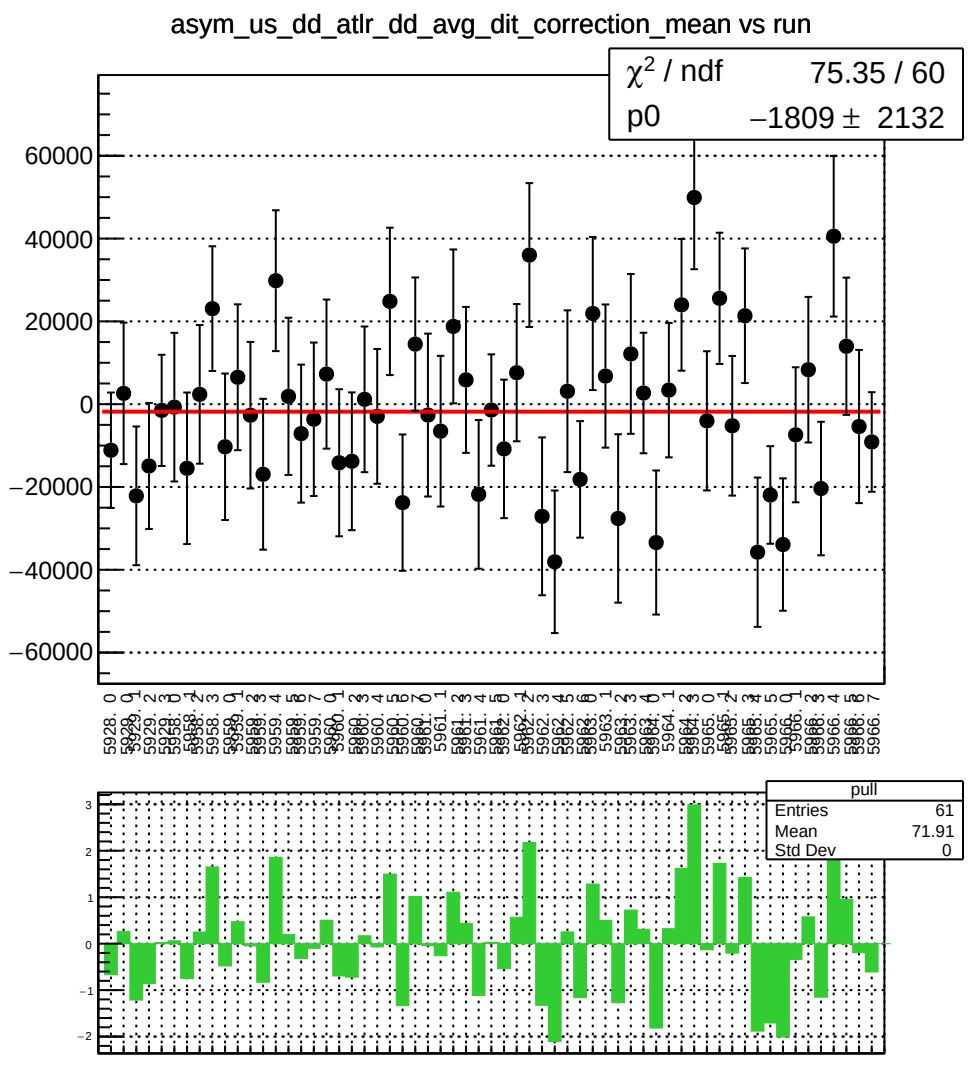

pull1D
Entries 61
Mean 0.02276
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

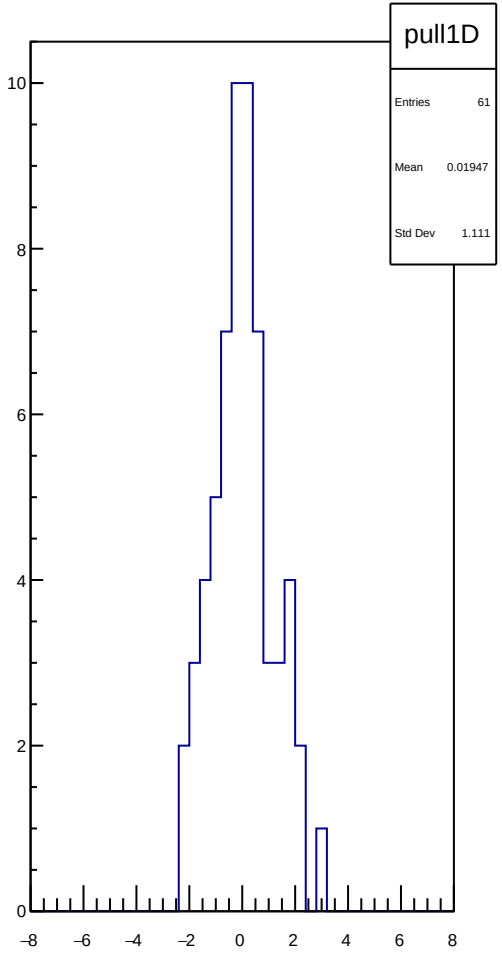

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 6951 / 60
p0 1636 ± 1.502
1900
1800
1700
1600
1500
1400
1300

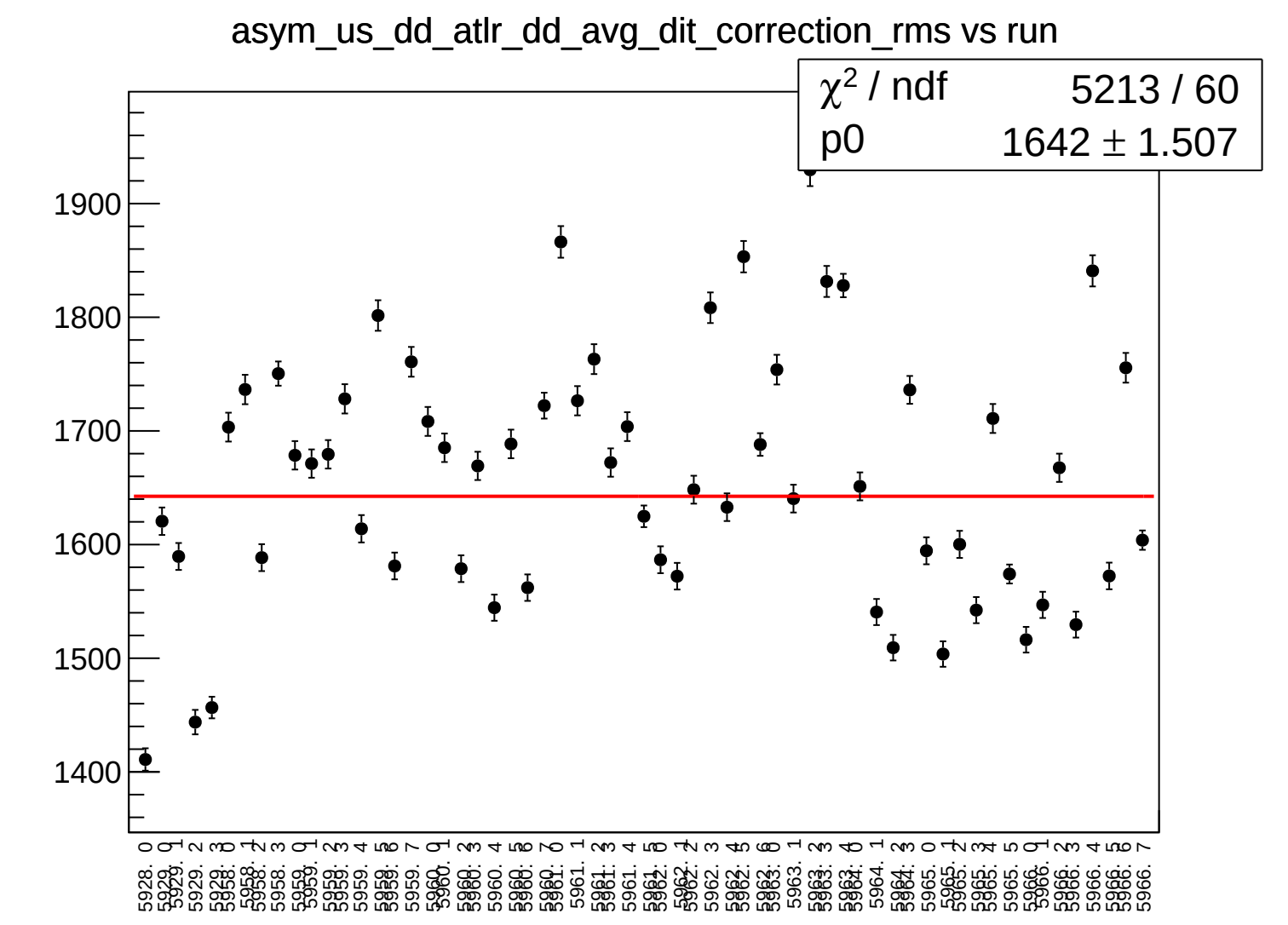

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 61.69 / 60
p0 1296 ± 2303
pull
Entries 61
Mean −203.7
Std Dev 0

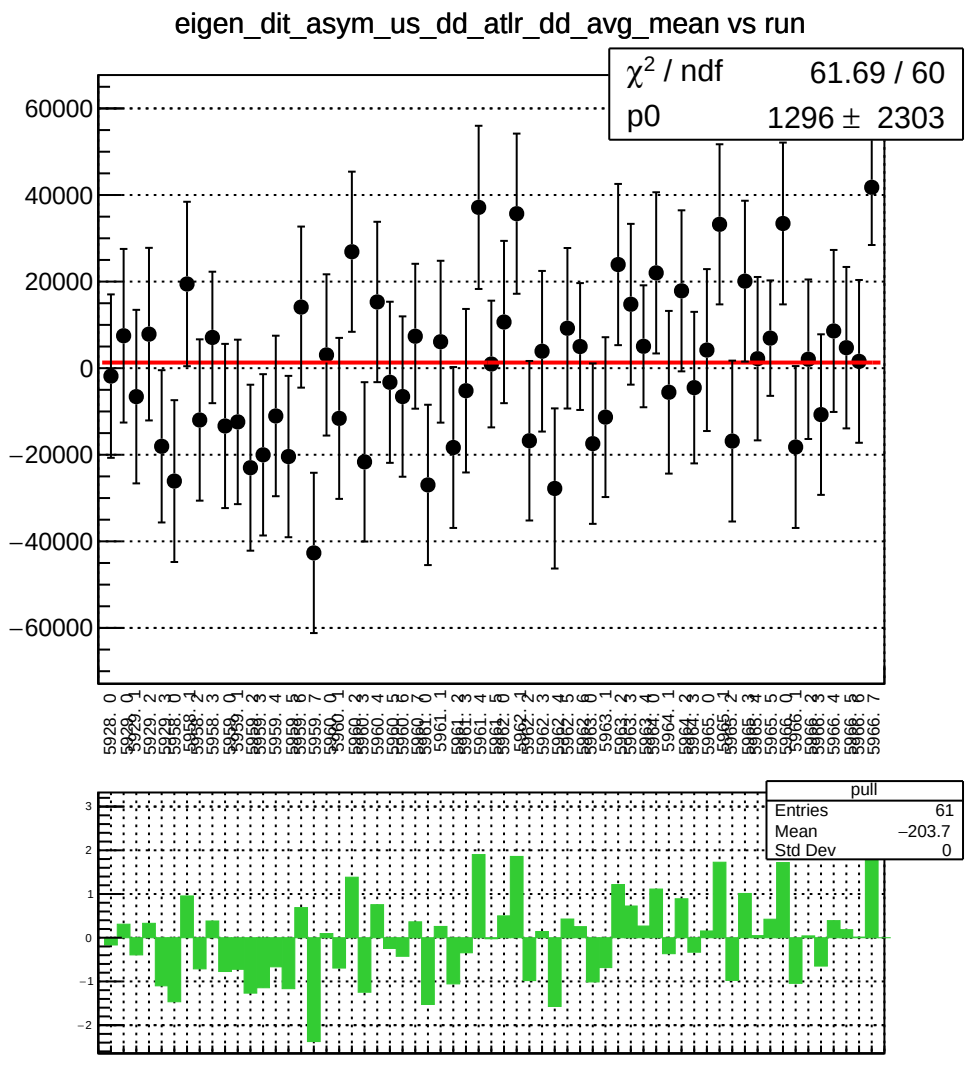

pull1D
Entries 61
Mean −0.02533
Std Dev 1.005

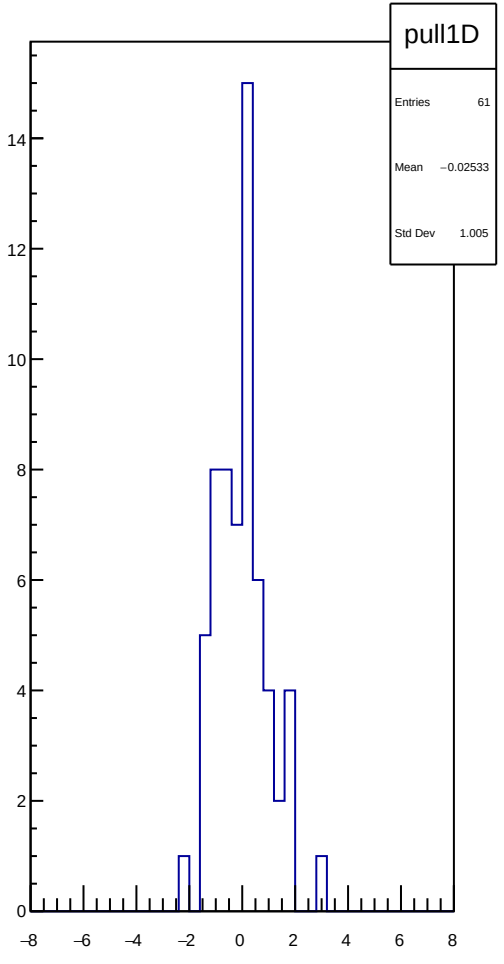

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 527.2 / 60
p0 1778 ± 1.629
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

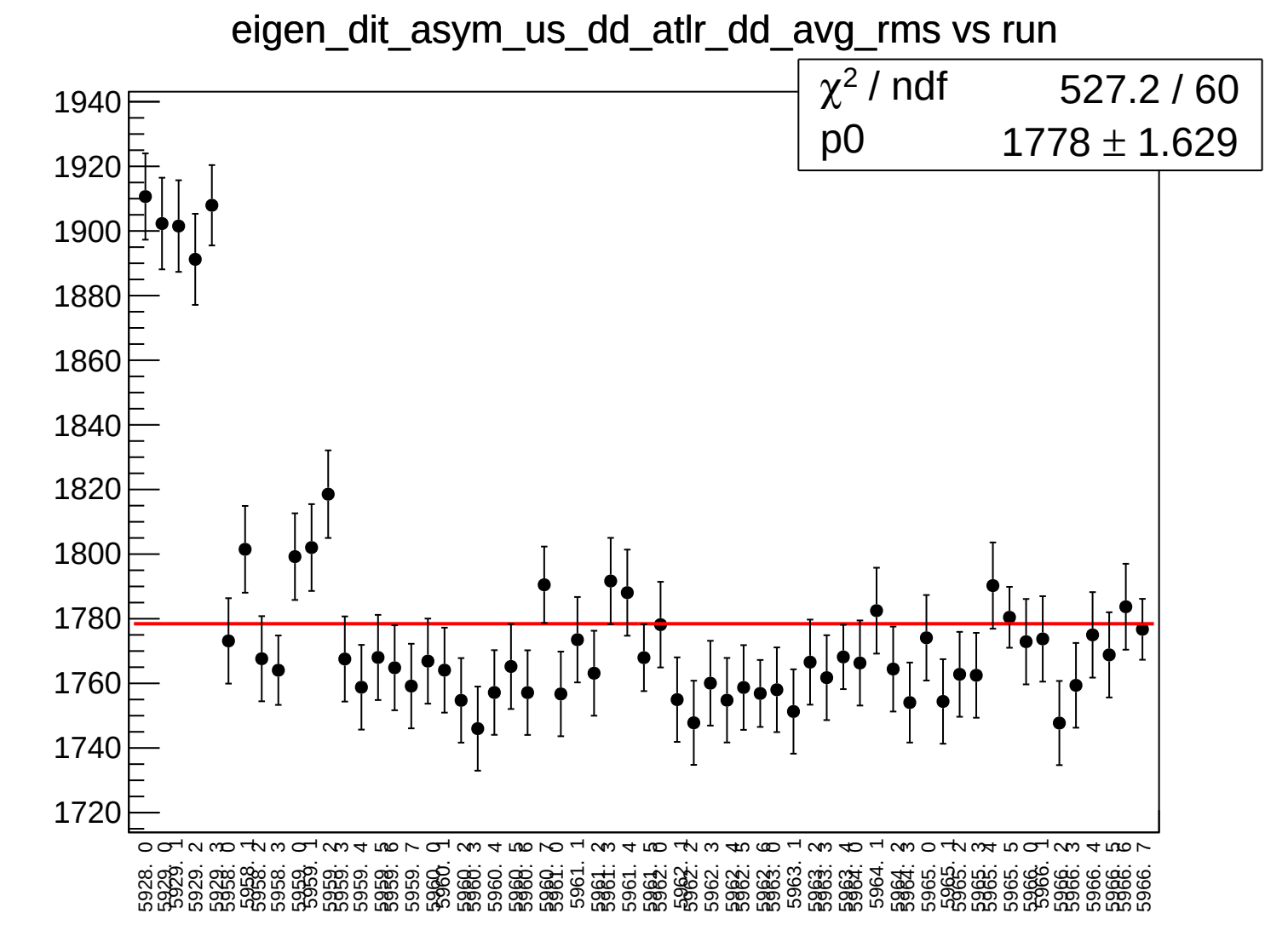

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 75.35 / 60
p0 −1809 ± 2132
pull
Entries 61
Mean 71.91
Std Dev 0

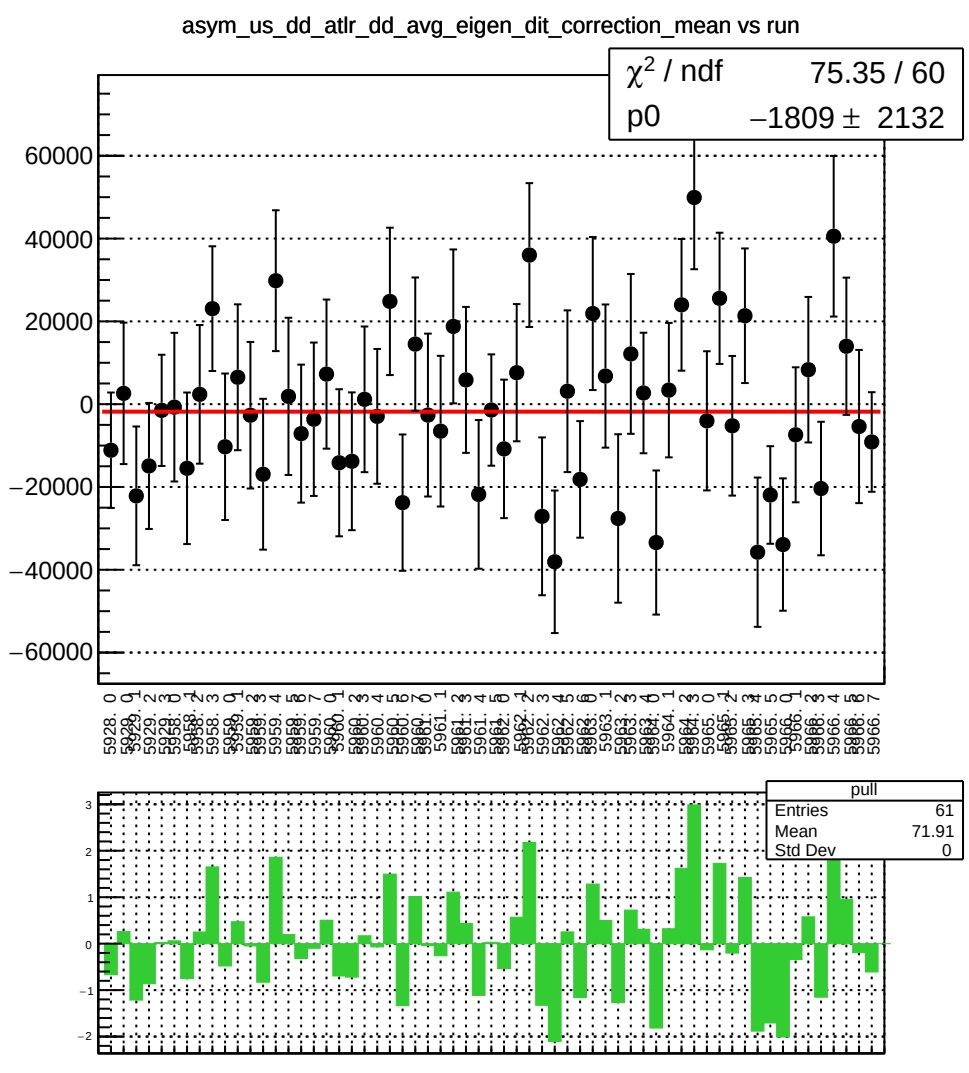

pull1D
Entries 61
Mean 0.01947
Std Dev 1.111

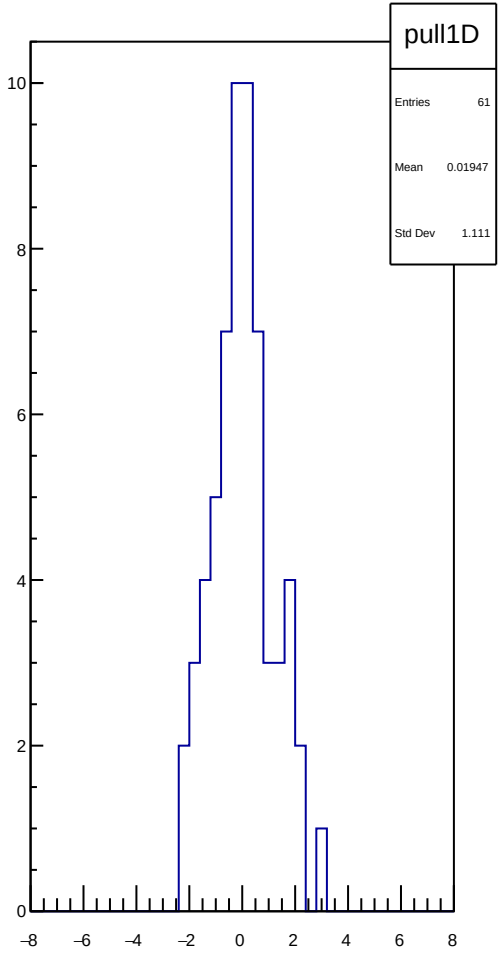

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 5213 / 60
p0 1642 ± 1.507
1900
1800
1700
1600
1500
1400

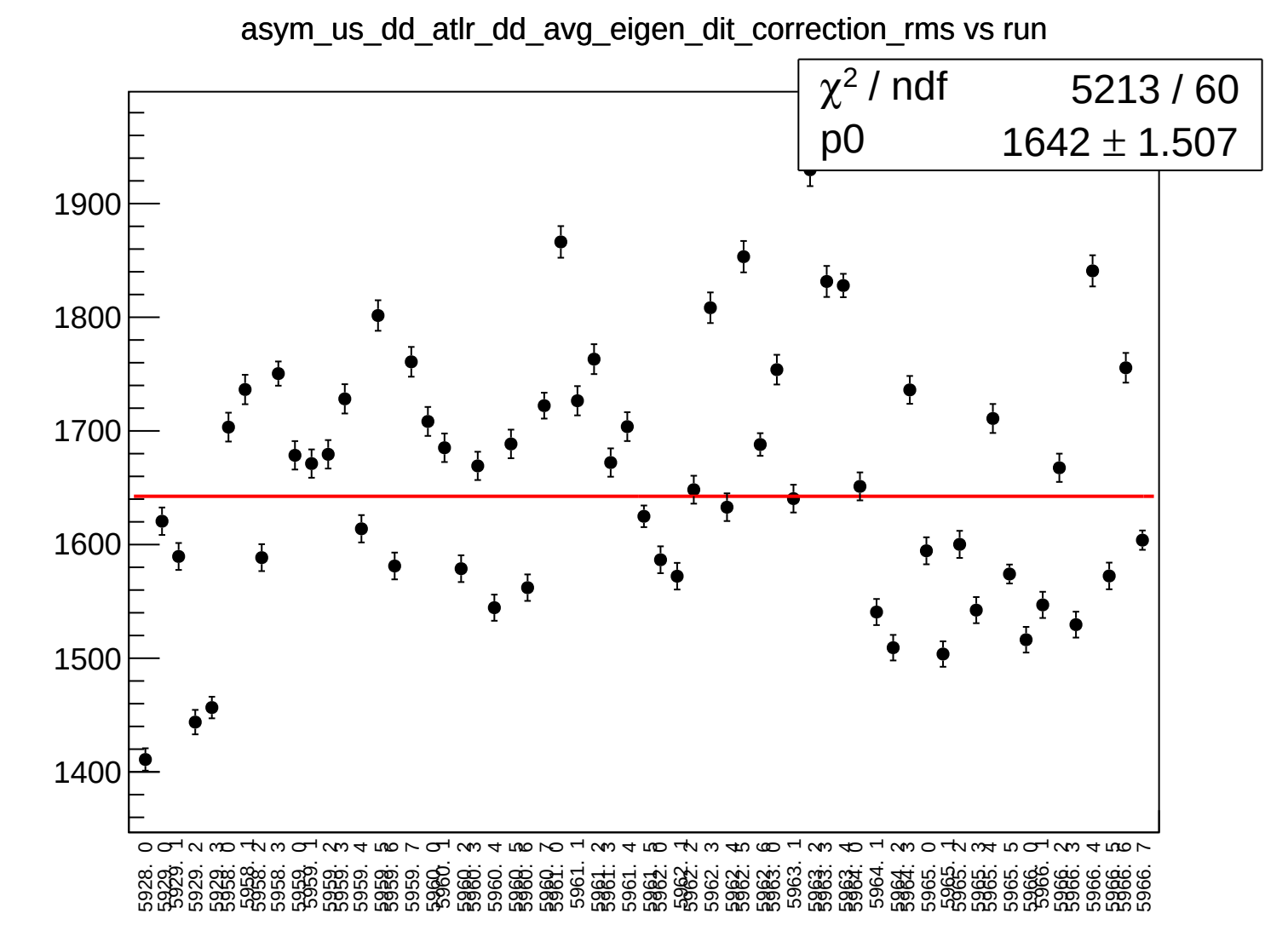

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 61.69 / 60
p0 1296 ± 2303
pull
Entries 61
Mean −203.7
Std Dev 0

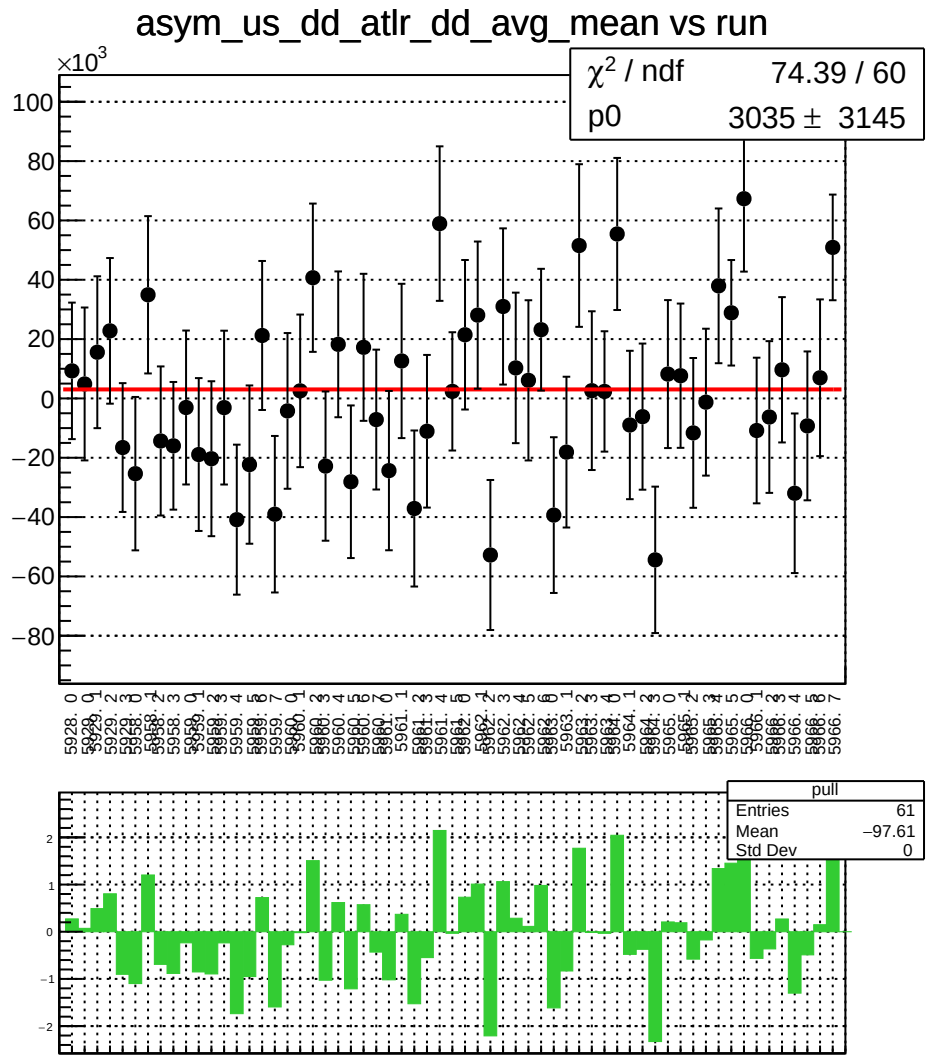

pull1D
Entries 61
Mean −0.02533
Std Dev 1.005

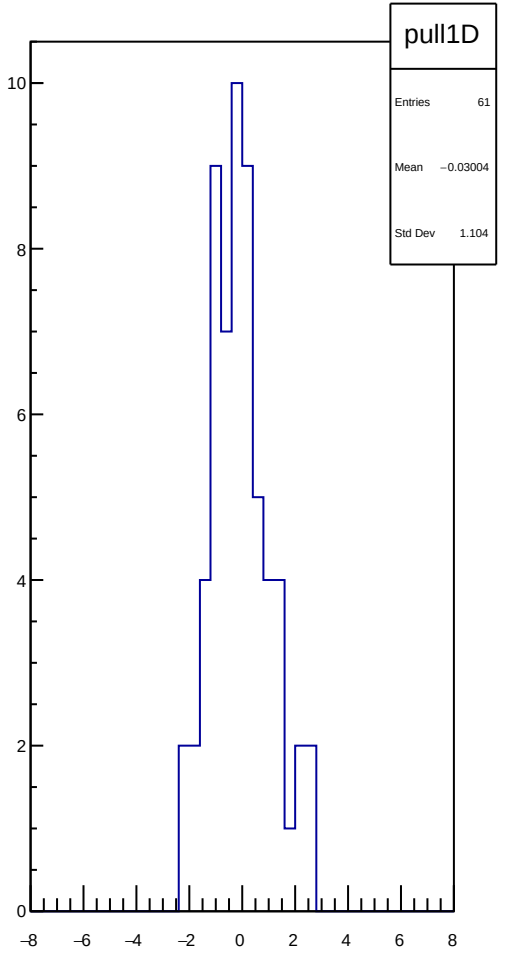

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 527.2 / 60
p0 1778 ± 1.629
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

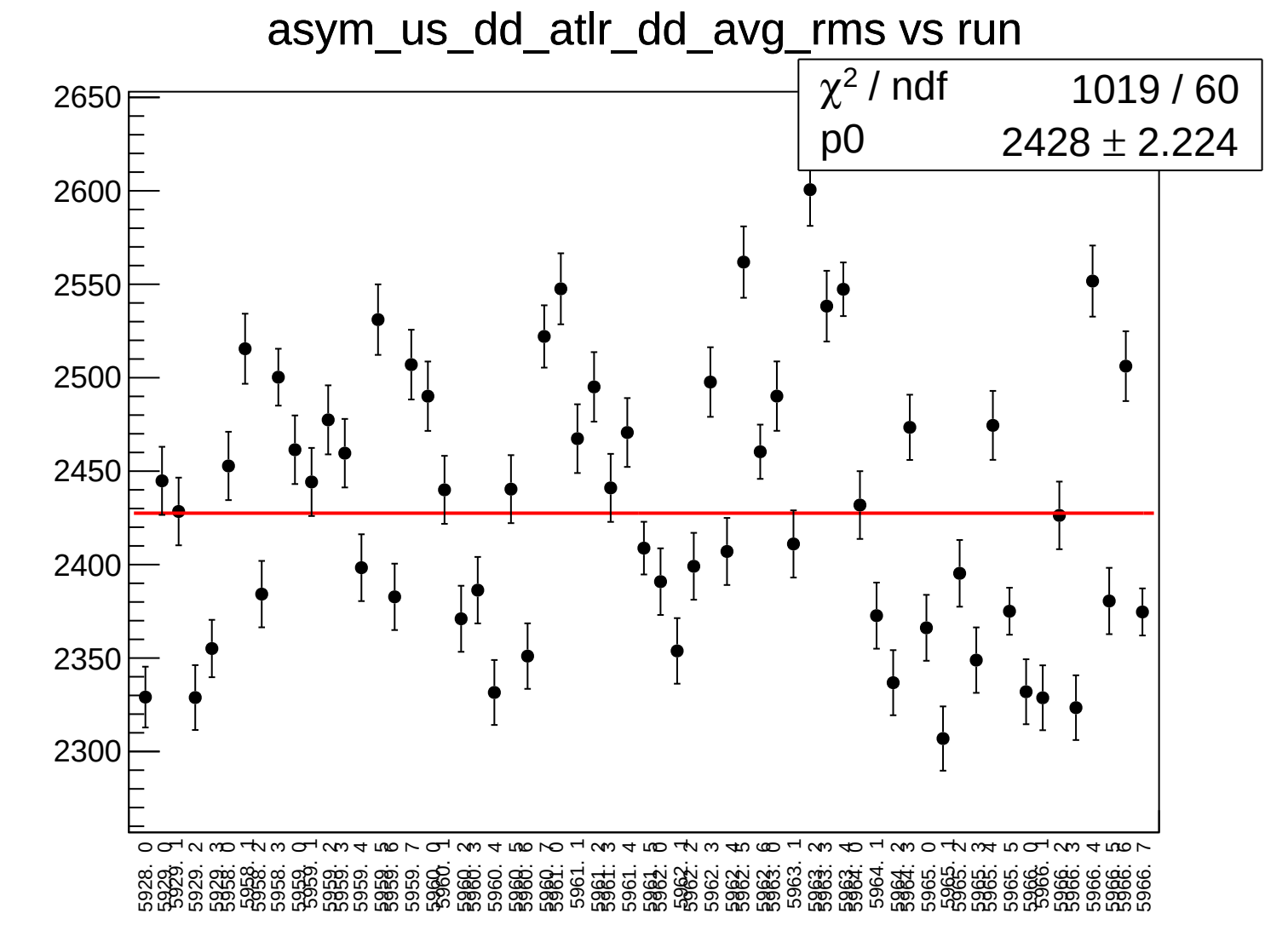

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.35 / 60
p0 −1809 ± 2132
pull
Entries 61
Mean 71.91
Std Dev 0

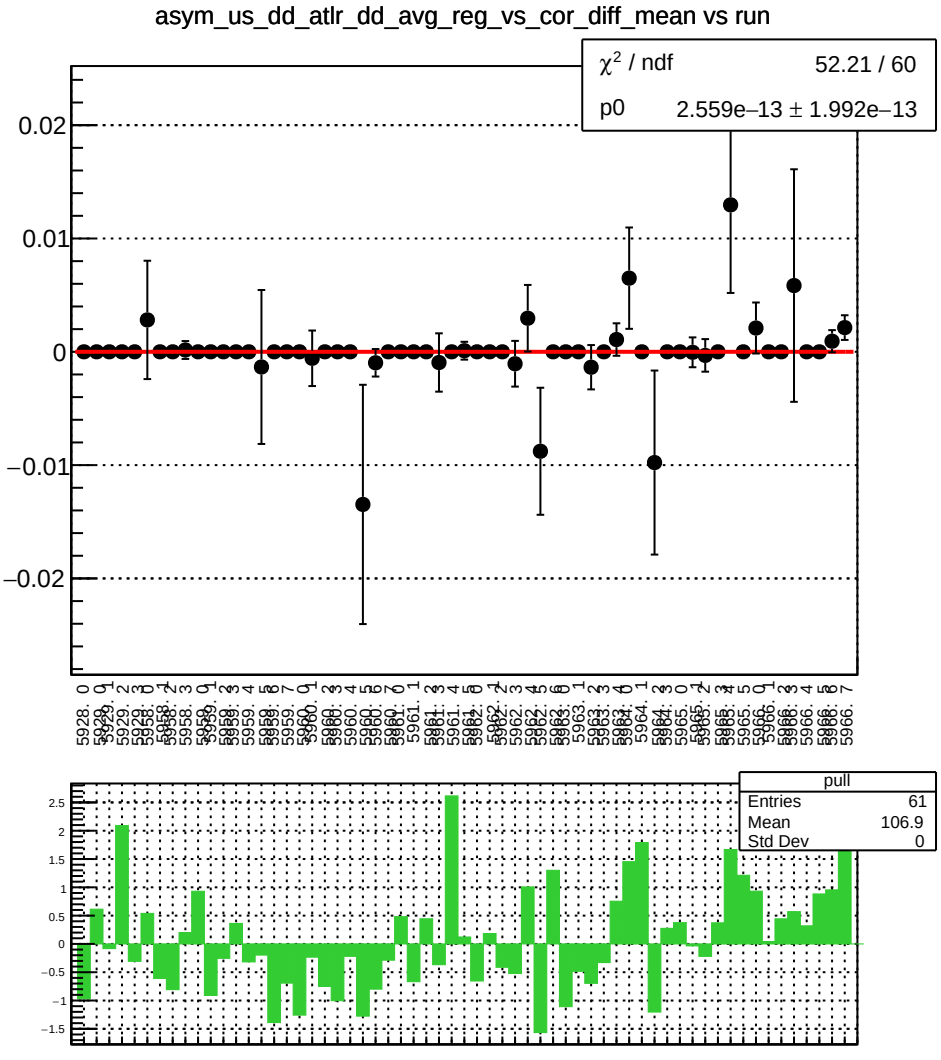

pull1D
Entries 61
Mean 0.01947
Std Dev 1.111

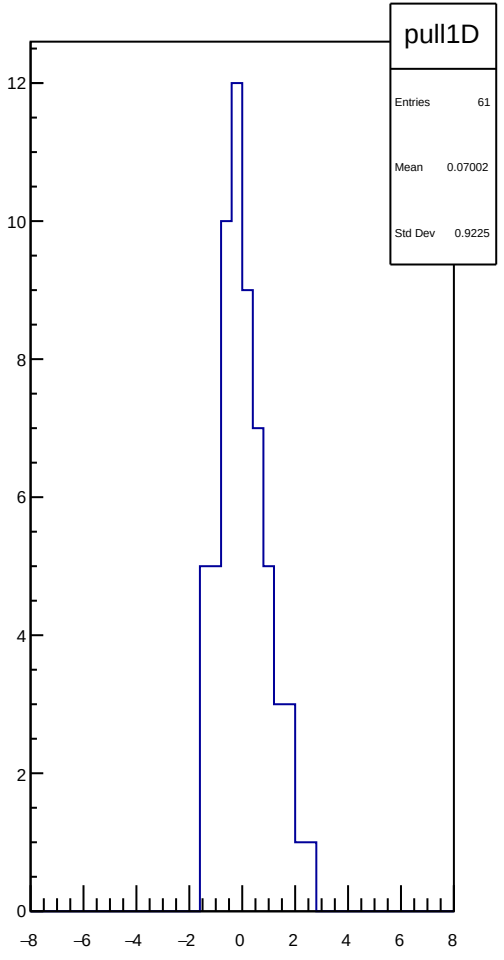

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5213 / 60
p0 1642 ± 1.507
1900
1800
1700
1600
1500
1400

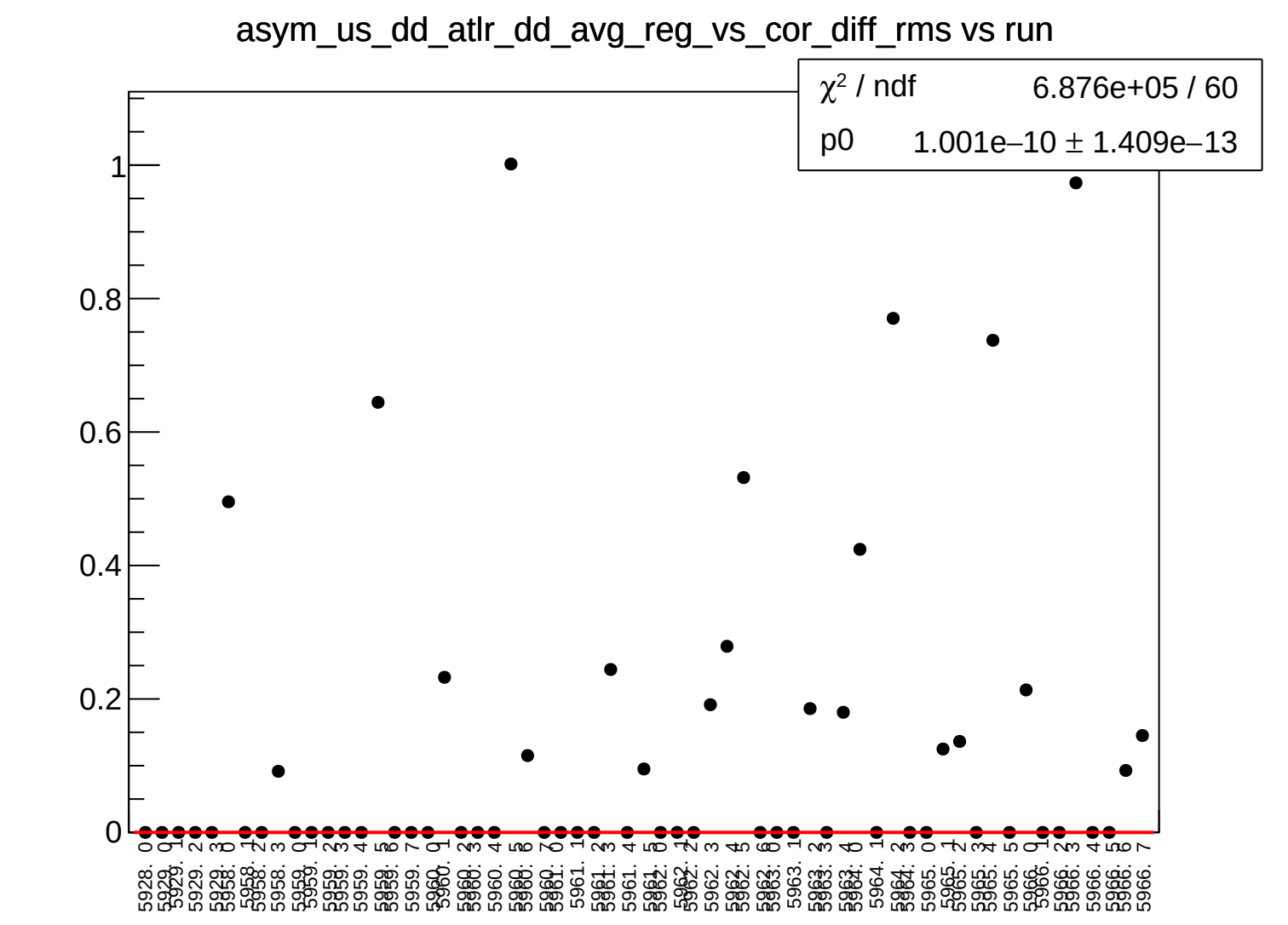

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ^2 / ndf 74.39 / 60
p0 3035 ± 3145
pull
Entries 61
Mean −97.61
Std Dev 0

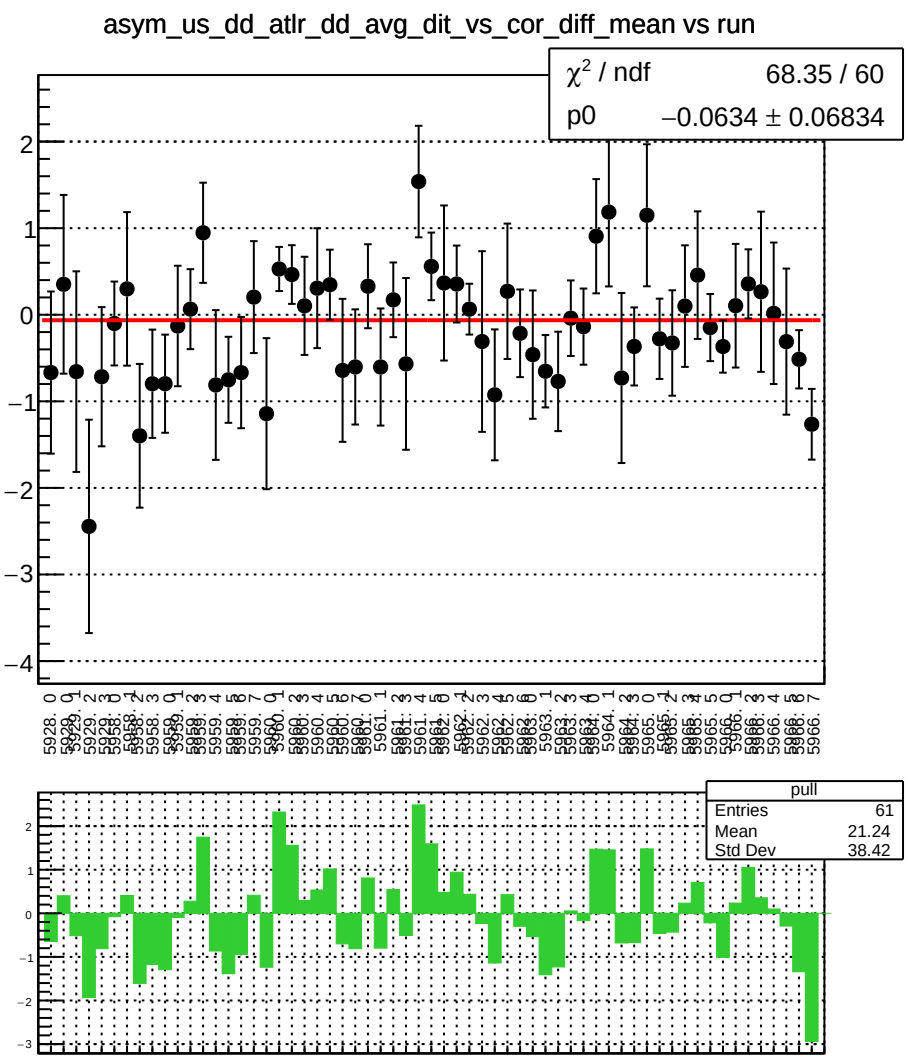

pull1D
Entries 61
Mean −0.03004
Std Dev 1.104

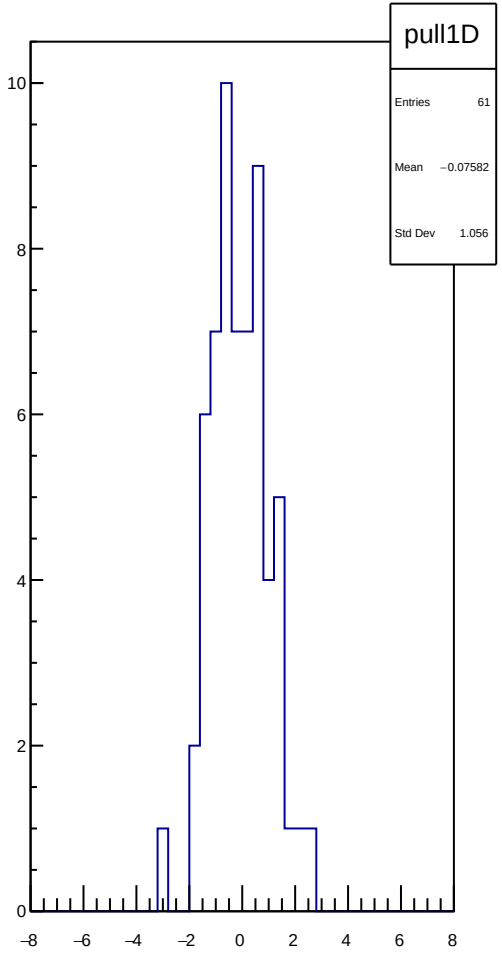

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 1019 / 60
p0 2428 ± 2.224
2650
2600
2550
2500
2450
2400
2350
2300

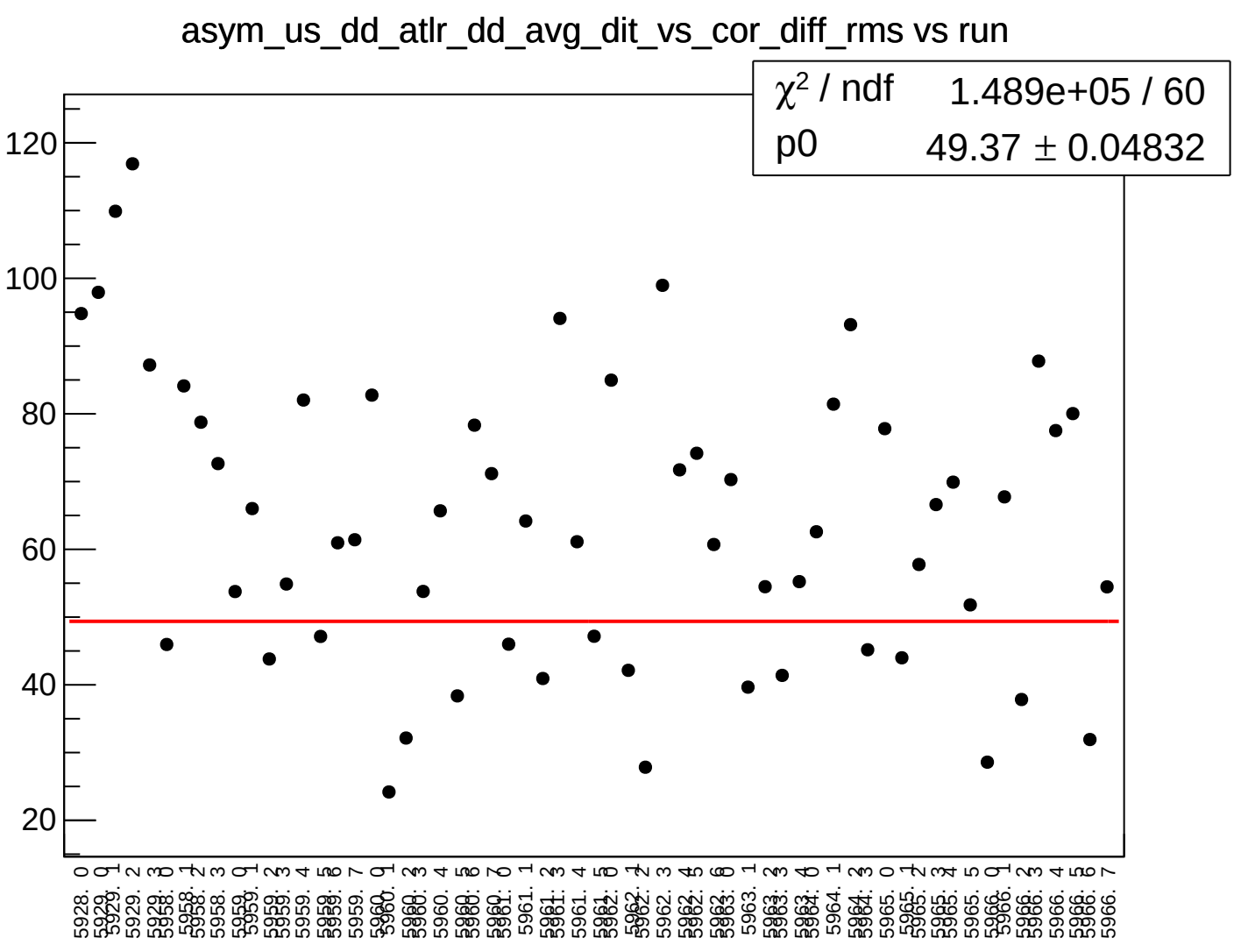

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 52.21 / 60
p0 2.559e−13 ± 1.992e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 61
Mean 106.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

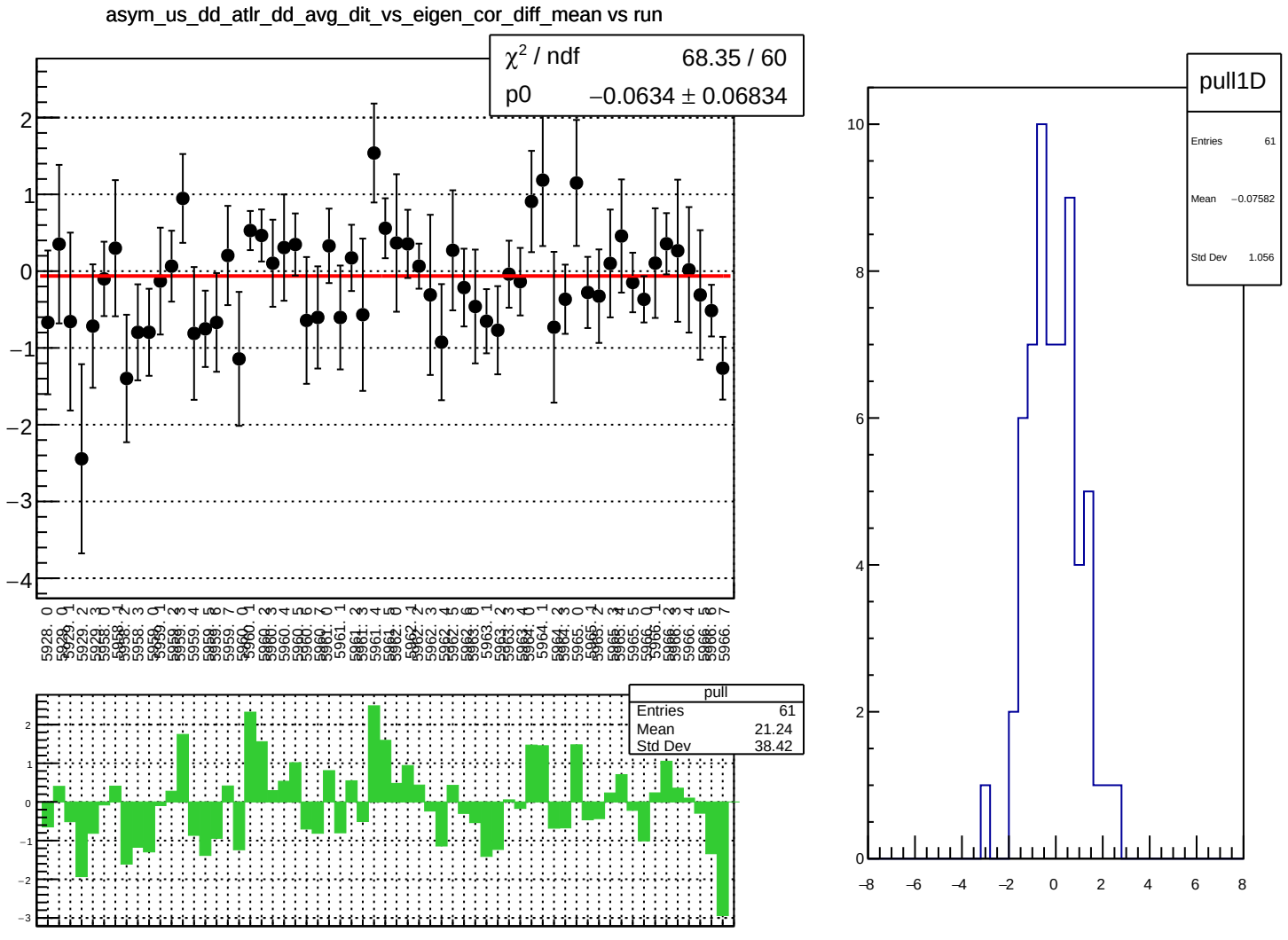

pull1D
Entries 61
Mean 0.07002
Std Dev 0.9225
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

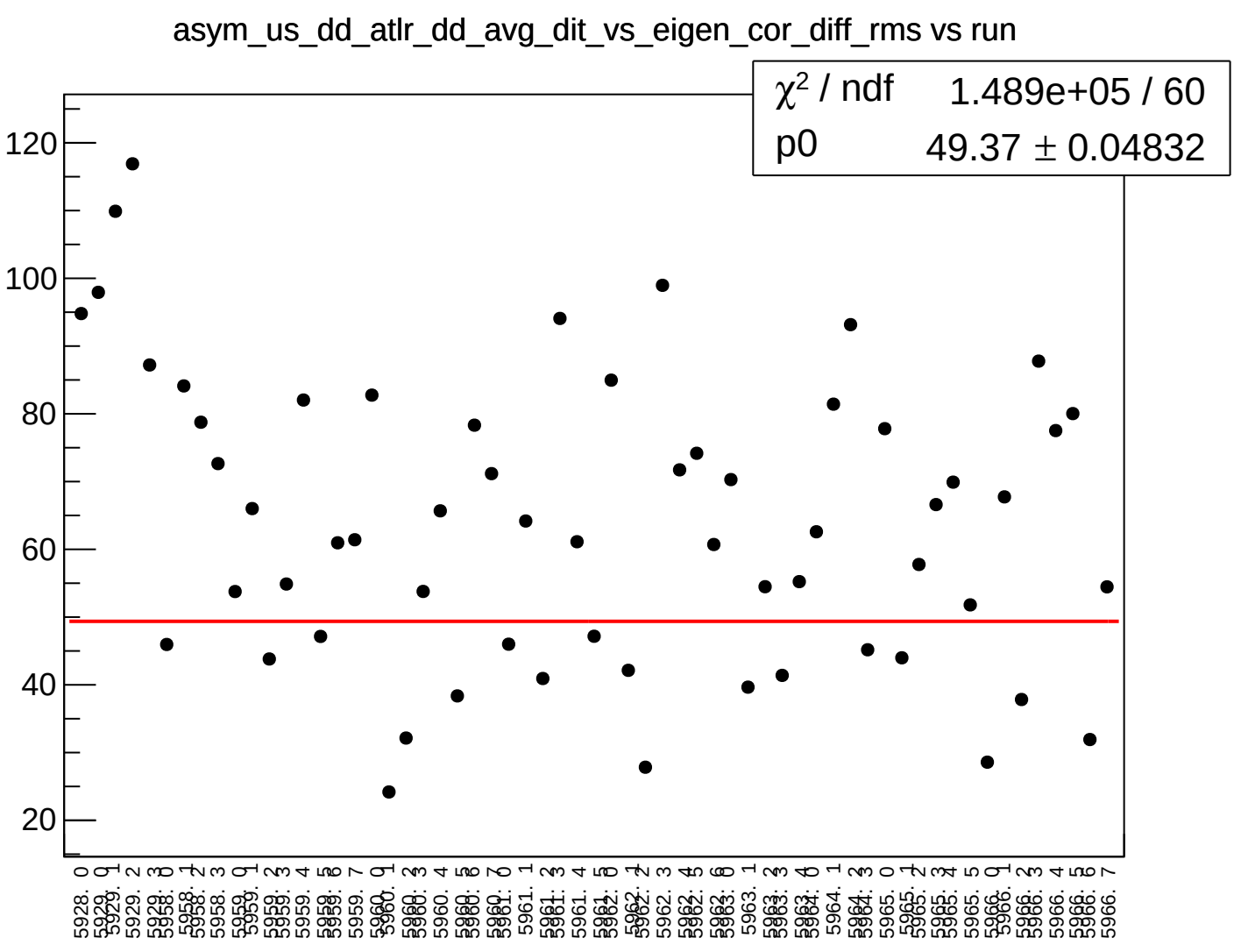

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.876e+05 / 60
p0 1.001e−10 ± 1.409e−13
1
0.8
0.6
0.4
0.2
0

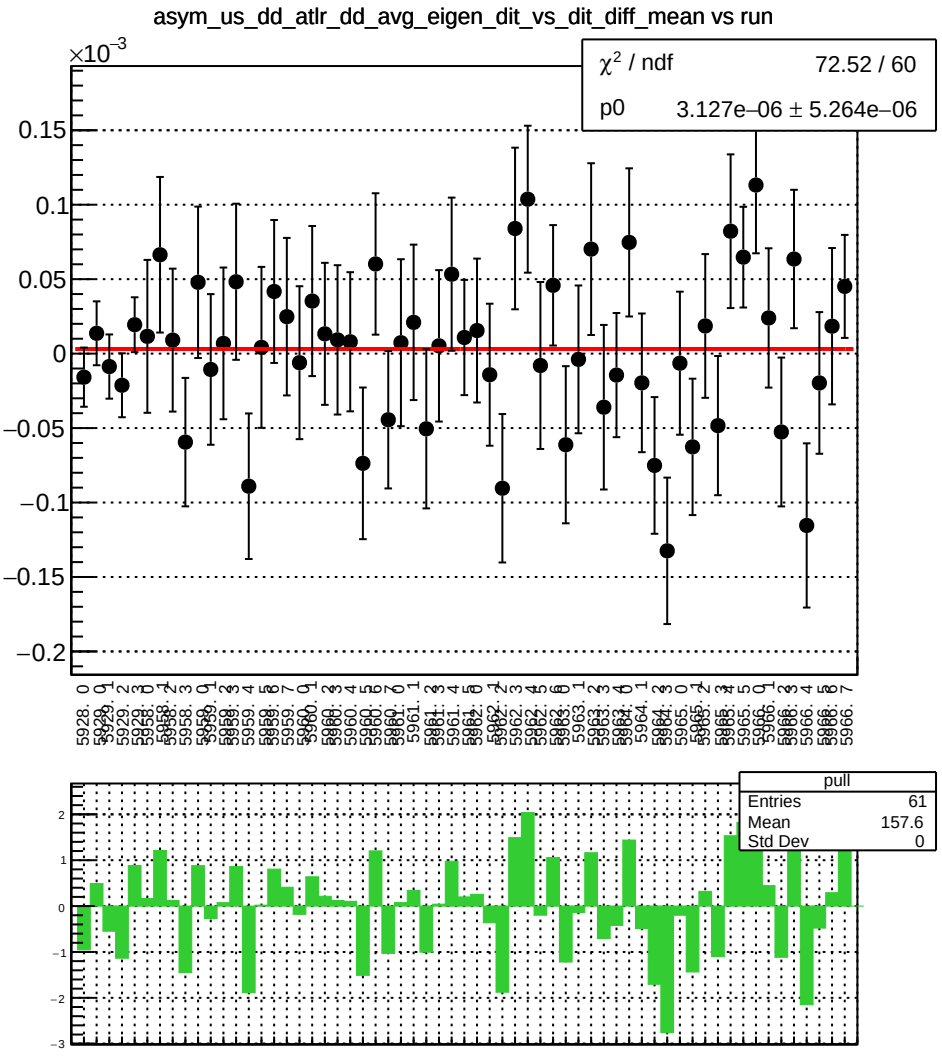

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.35 / 60
p0 −0.0634 ± 0.06834
pull
Entries 61
Mean 21.24
Std Dev 38.42

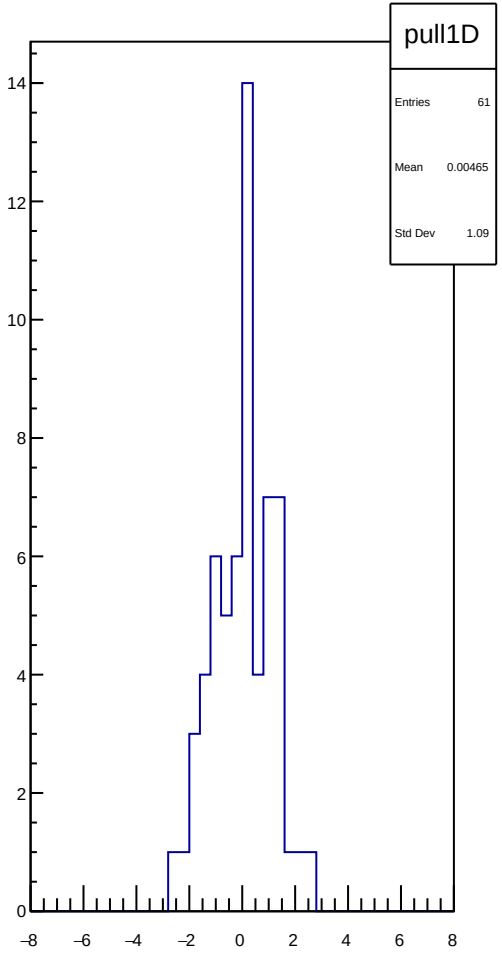

pull1D
Entries 61
Mean −0.07582
Std Dev 1.056

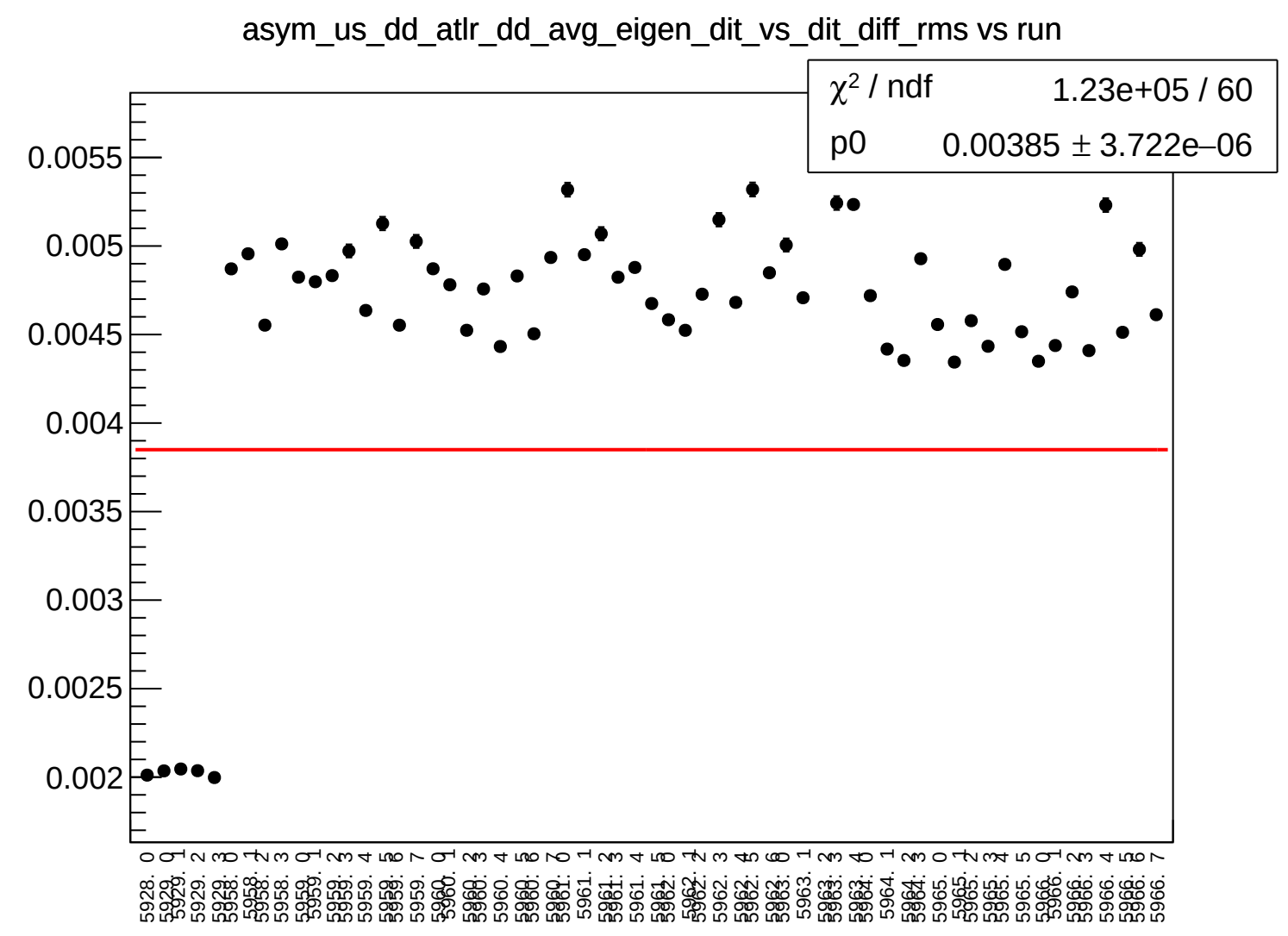

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.489e+05 / 60
p0 49.37 ± 0.04832
120
100
80
60
40
20

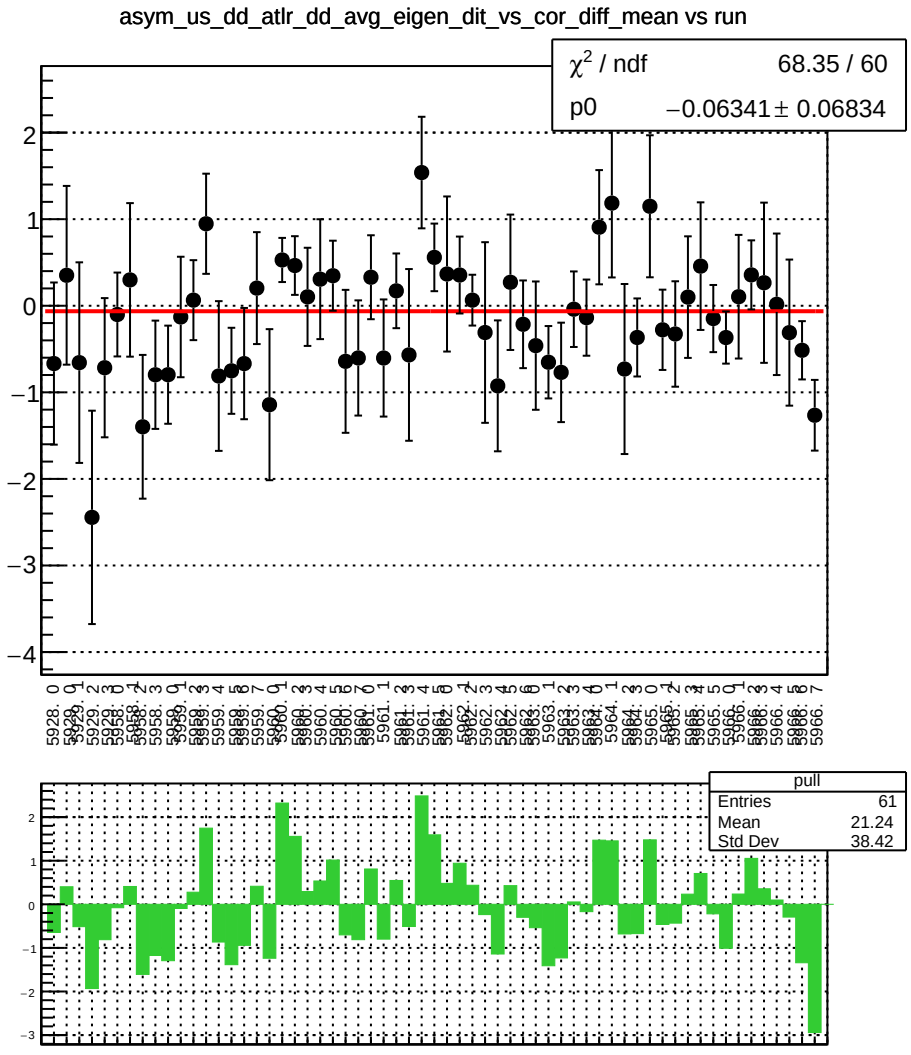

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.35 / 60
p0 −0.0634 ± 0.06834
pull
Entries 61
Mean 21.24
Std Dev 38.42
pull1D
Entries 61
Mean −0.07582
Std Dev 1.056

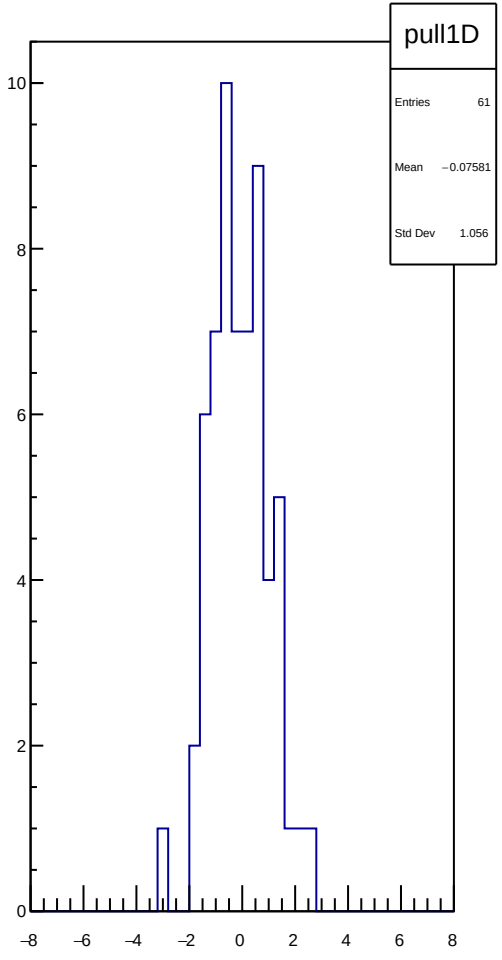

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.489e+05 / 60
p0 49.37 ± 0.04832
120
100
80
60
40
20

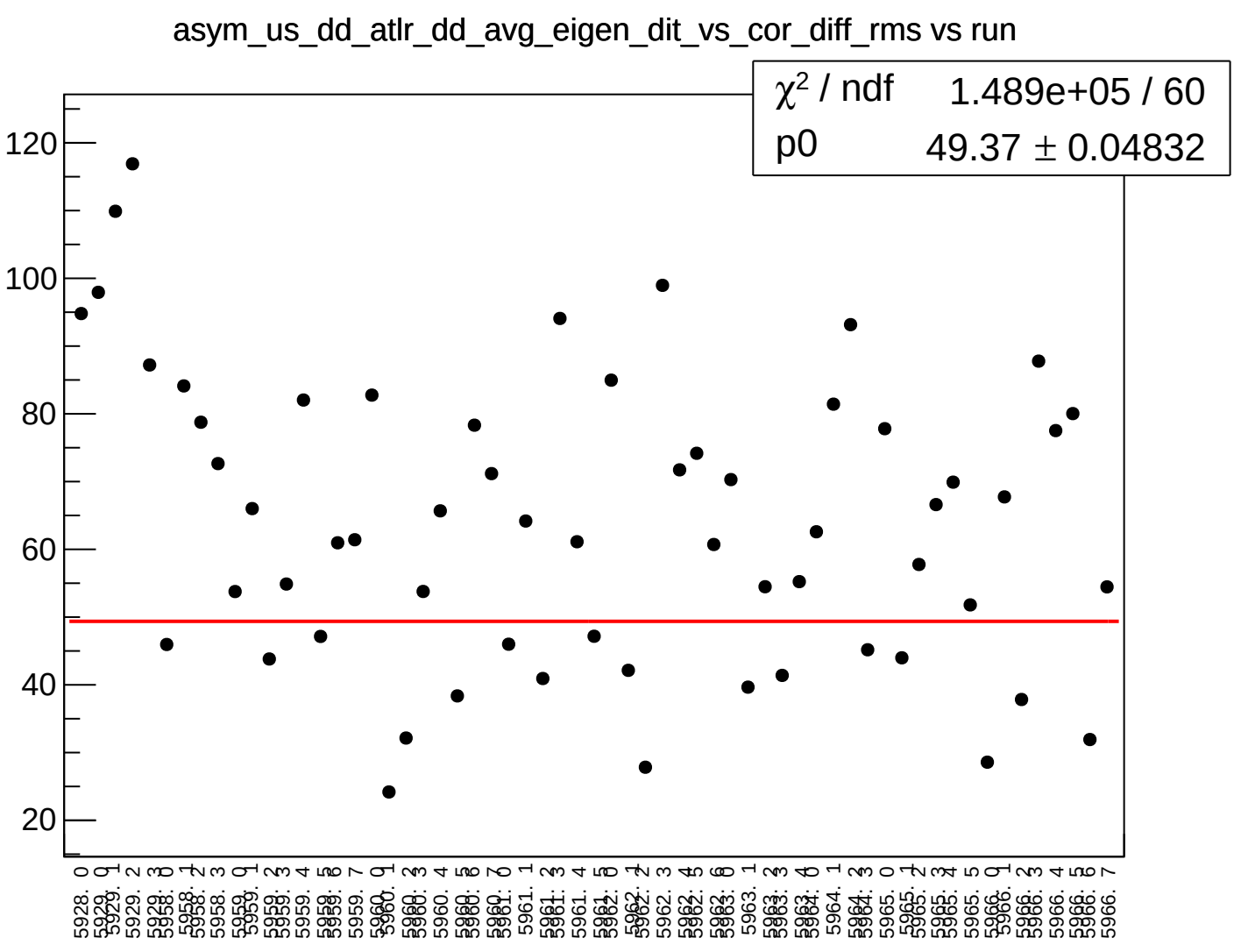

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.52 / 60
p0 3.127e−06 ± 5.264e−06
pull
Entries 61
Mean 157.6
Std Dev 0

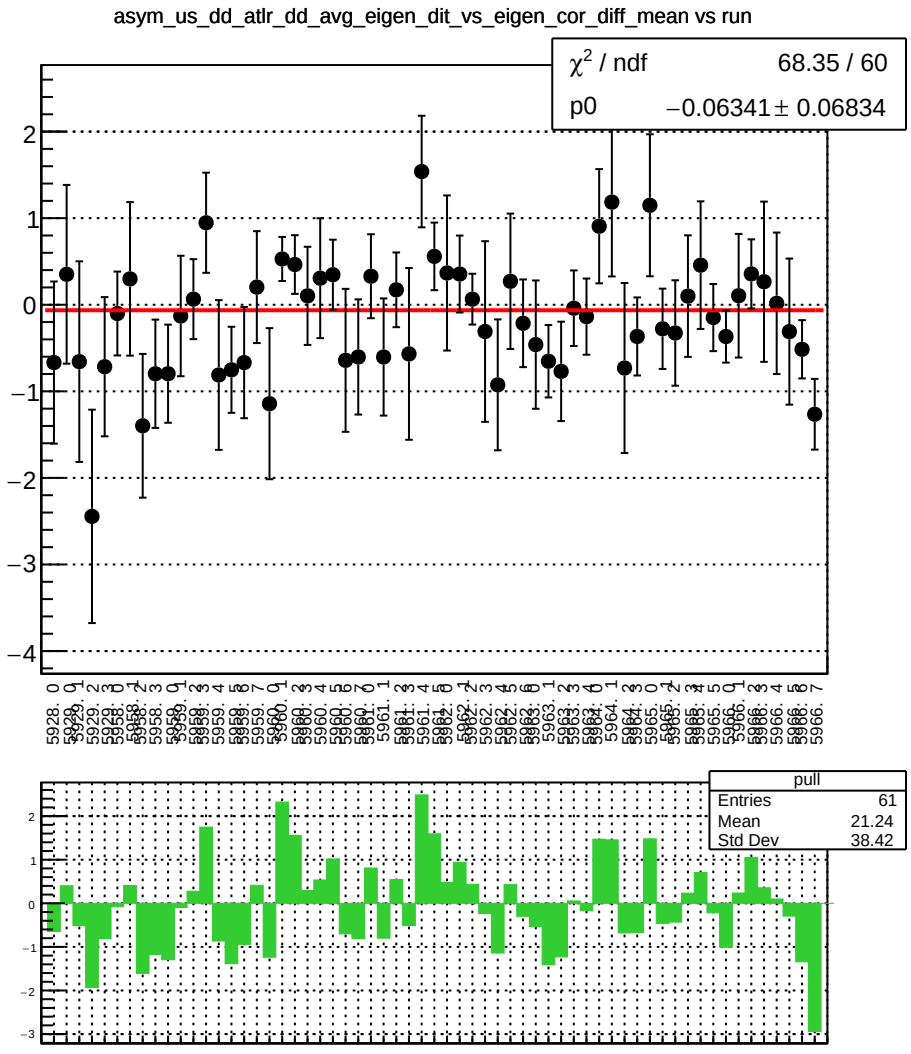

pull1D
Entries 61
Mean 0.00465
Std Dev 1.09

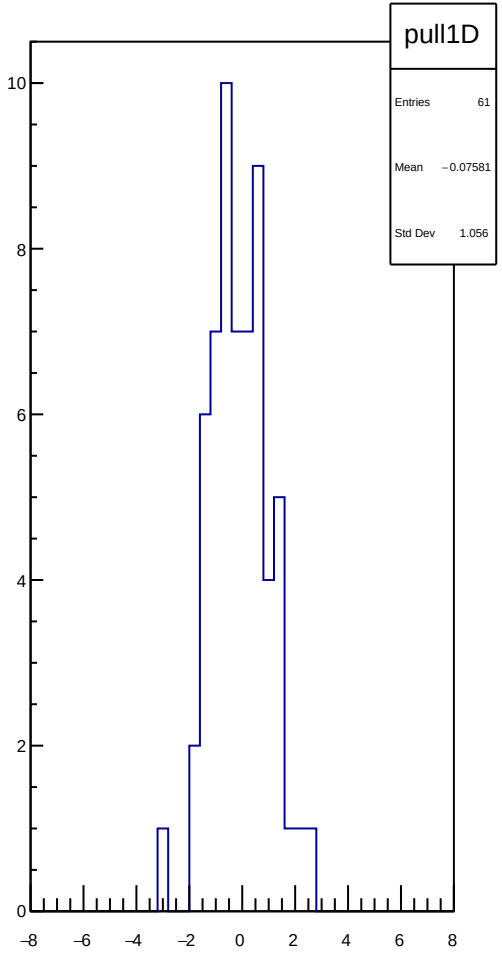

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.23e+05 / 60
p0 0.00385 ± 3.722e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

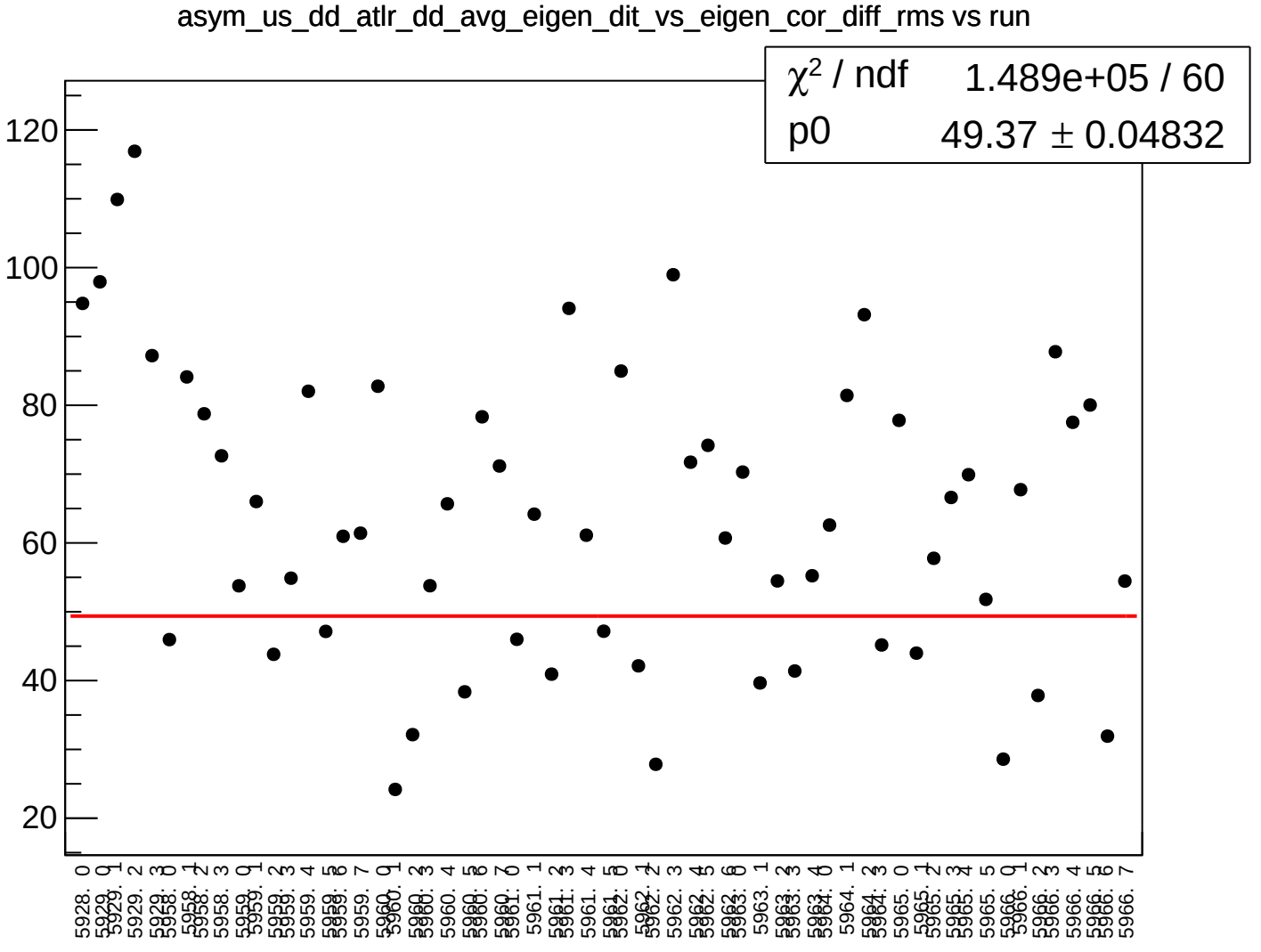

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.35 / 60
p0 −0.06341 ± 0.06834
pull
Entries 61
Mean 21.24
Std Dev 38.42

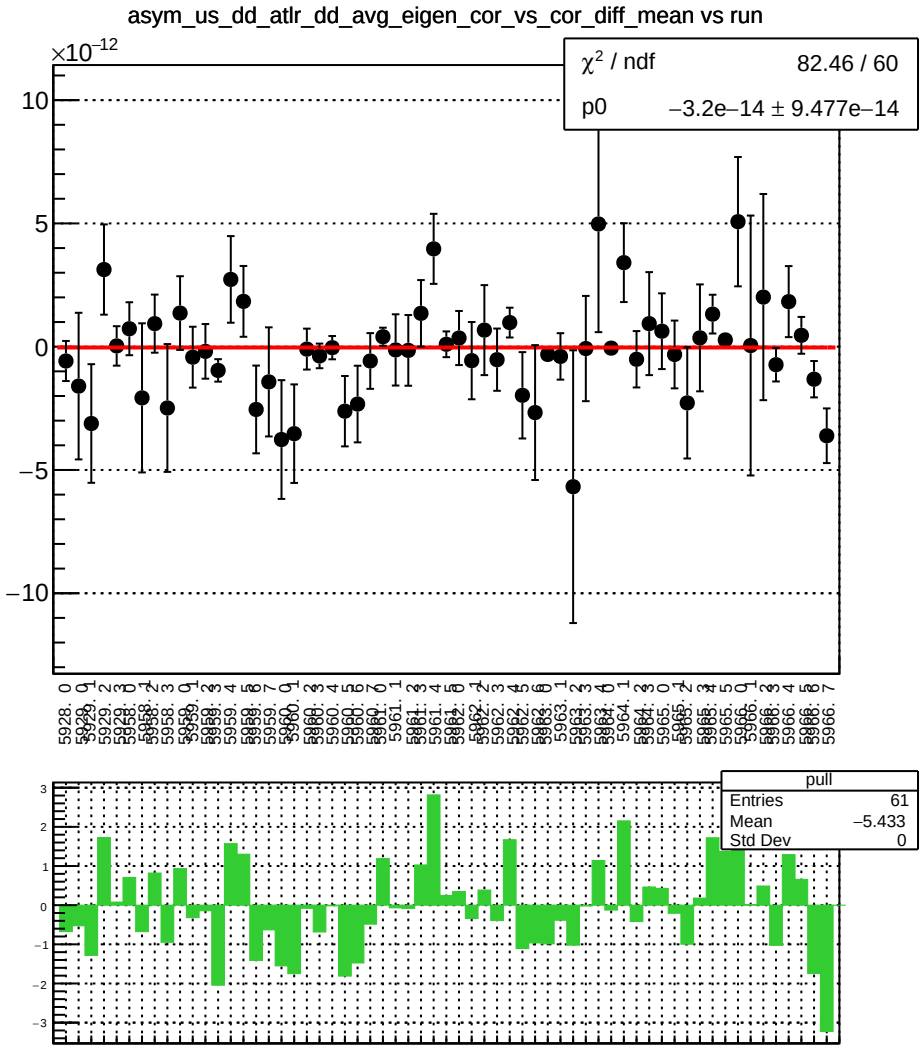

pull1D
Entries 61
Mean −0.07581
Std Dev 1.056

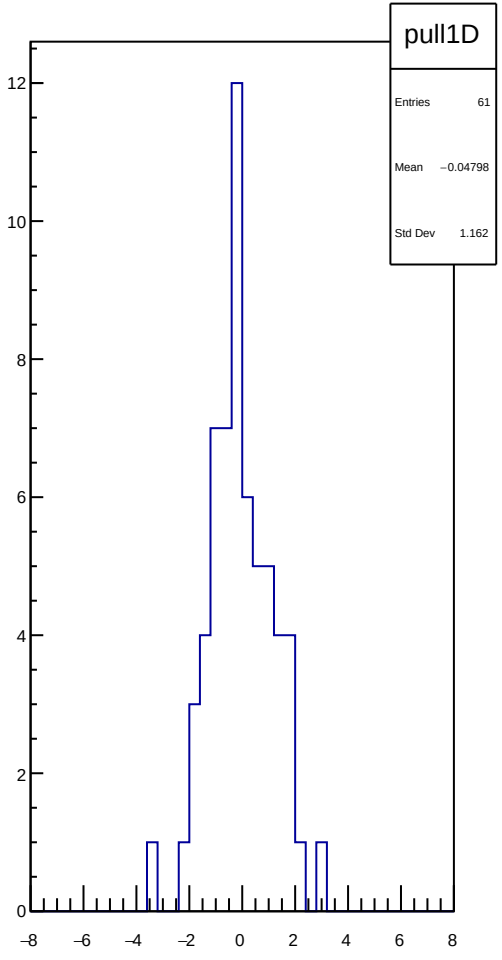

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.489e+05 / 60
p0 49.37 ± 0.04832
120
100
80
60
40
20

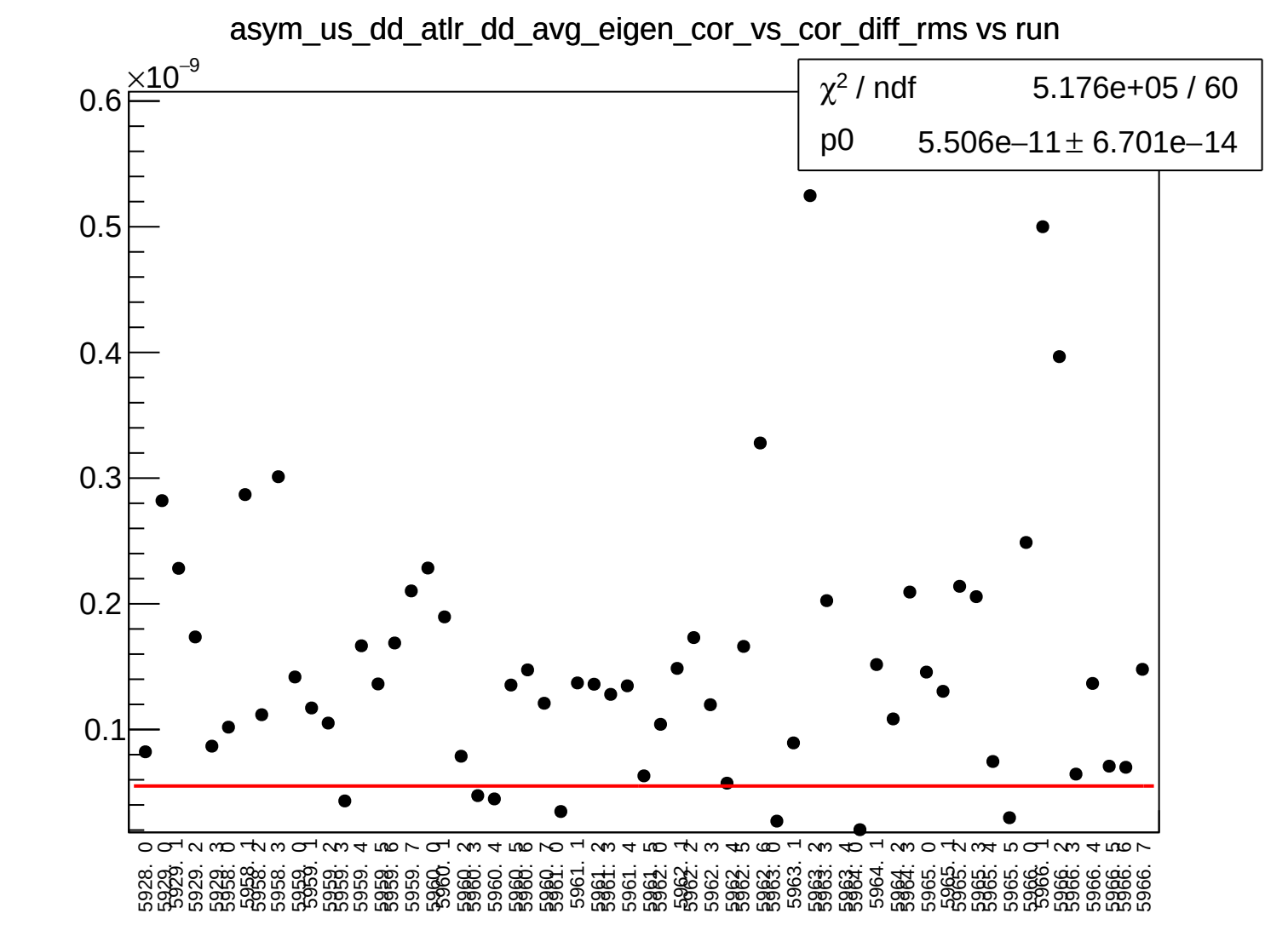

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.35 / 60
p0 −0.06341 ± 0.06834
pull
Entries 61
Mean 21.24
Std Dev 38.42

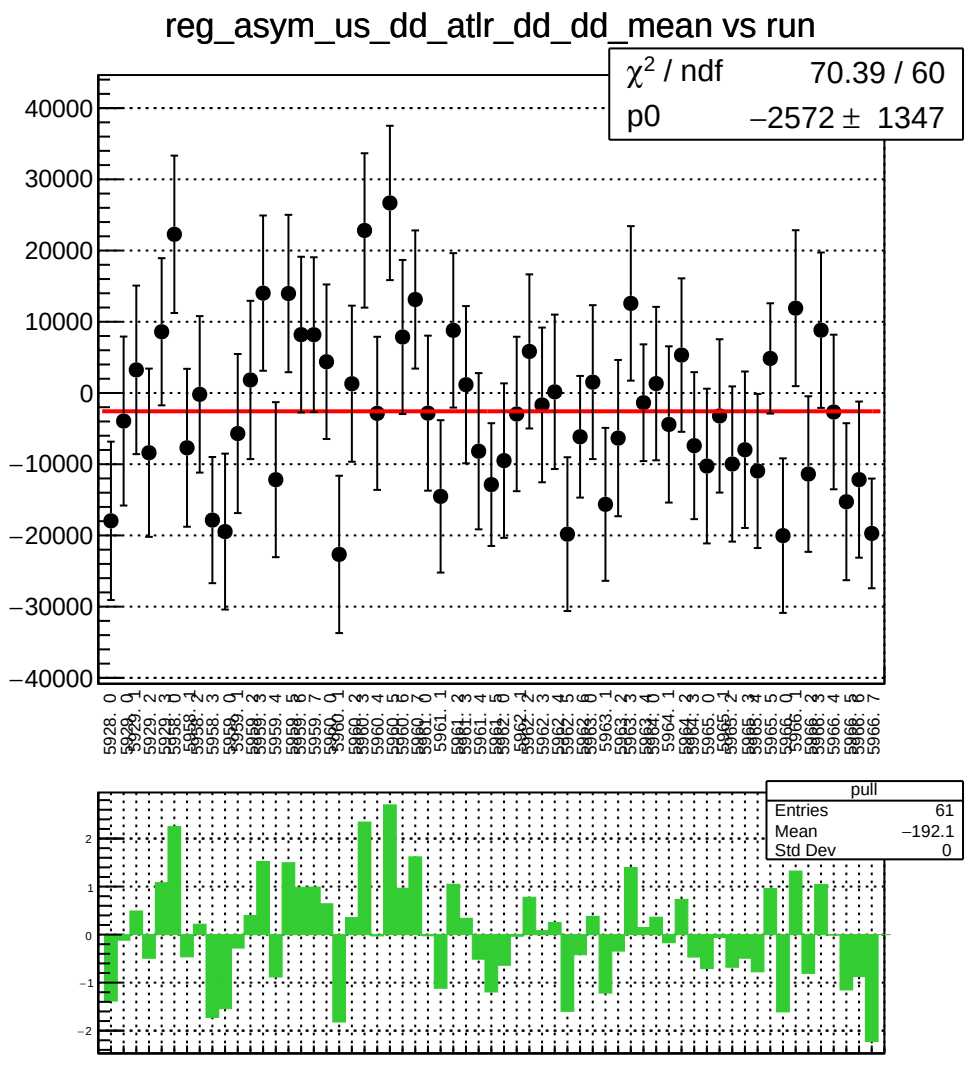

pull1D
Entries 61
Mean −0.07581
Std Dev 1.056

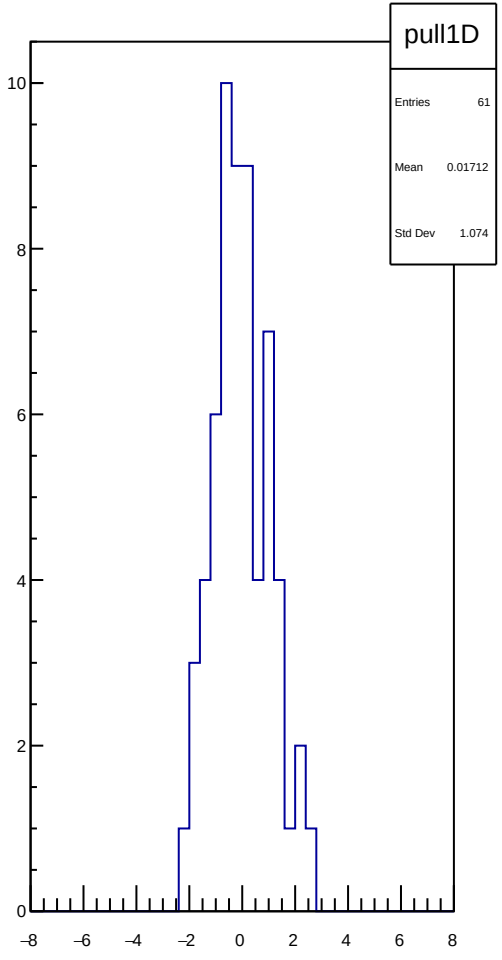

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.489e+05 / 60
p0 49.37 ± 0.04832
120
100
80
60
40
20

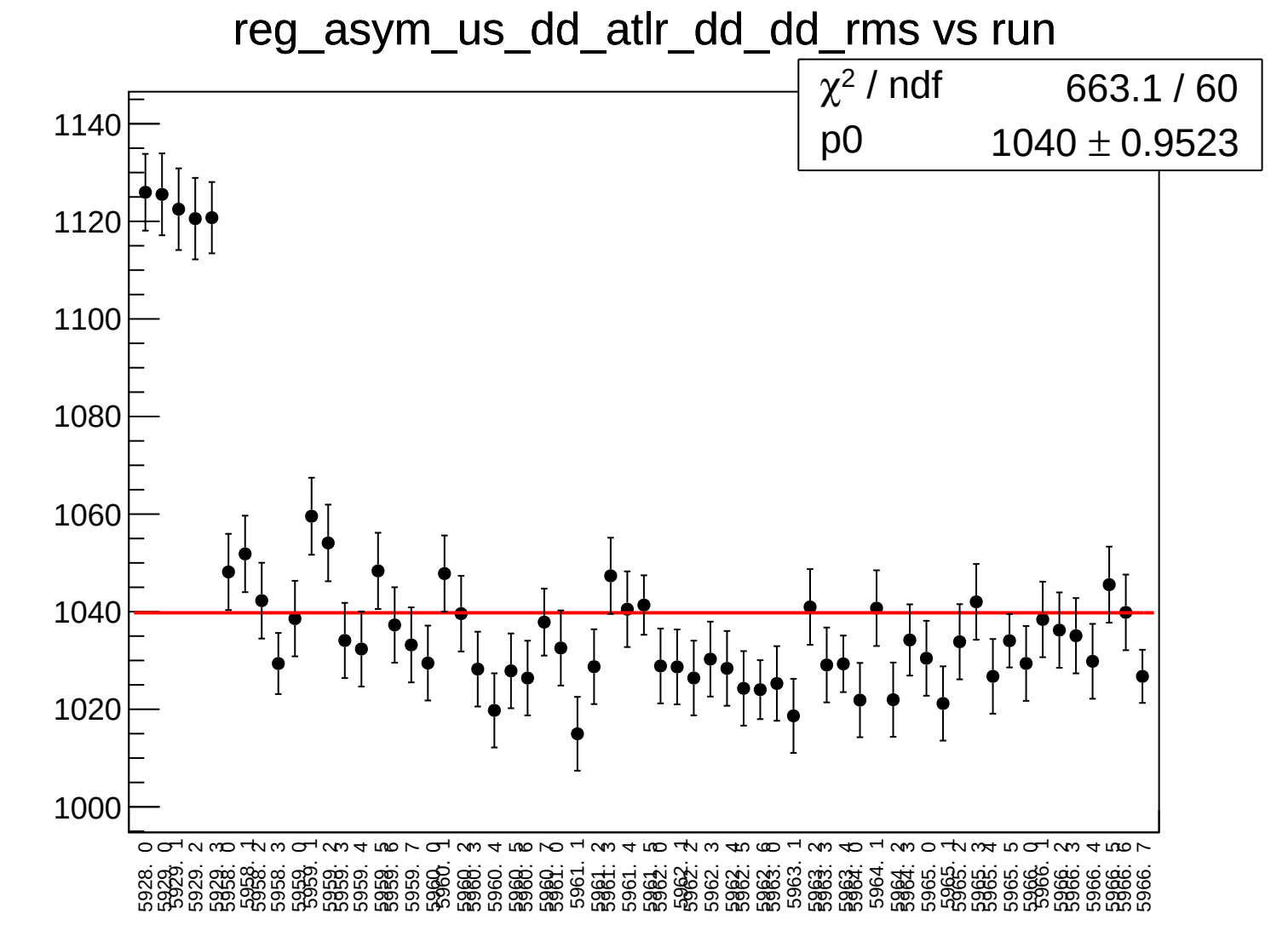

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.46 / 60
p0 −3.2e−14 ± 9.477e−14
pull
Entries 61
Mean −5.433
Std Dev 0

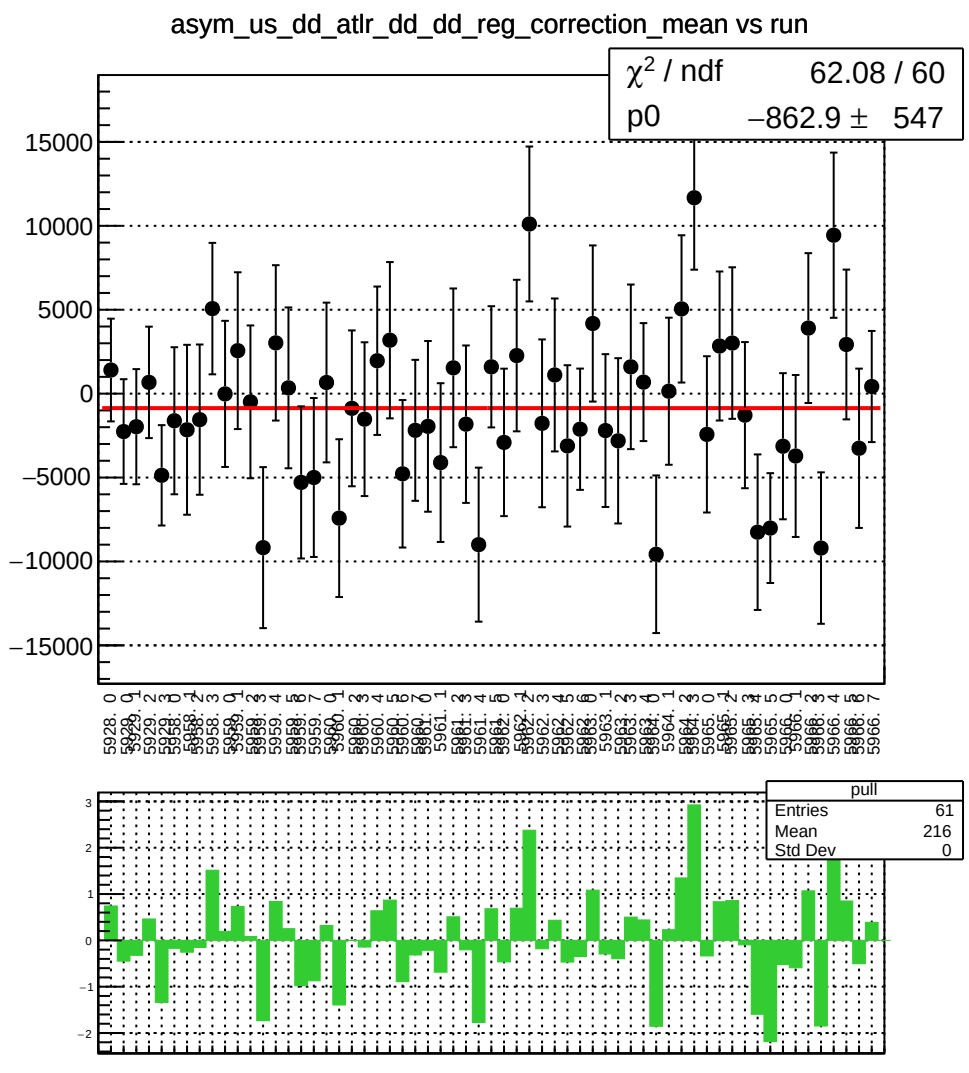

pull1D
Entries 61
Mean −0.04798
Std Dev 1.162

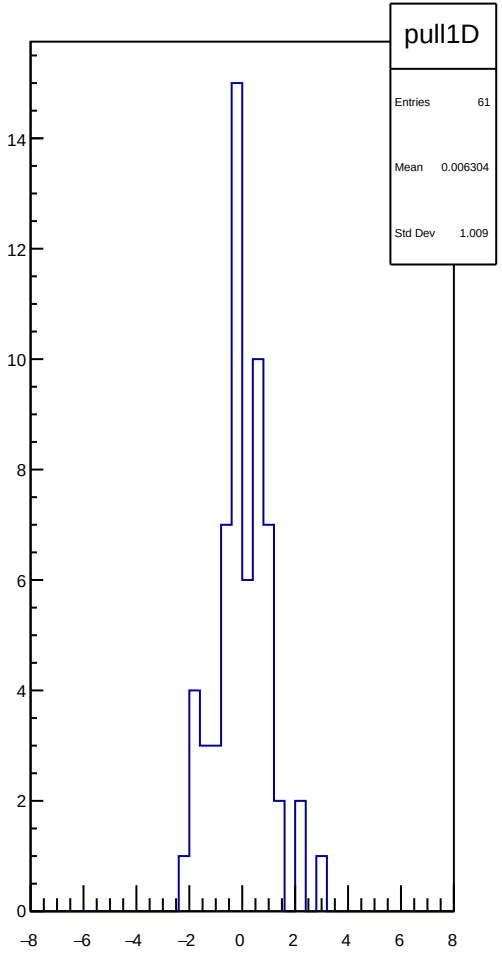

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.176e+05 / 60
p0 5.506e−11 ± 6.701e−14
0.6
0.5
0.4
0.3
0.2
0.1

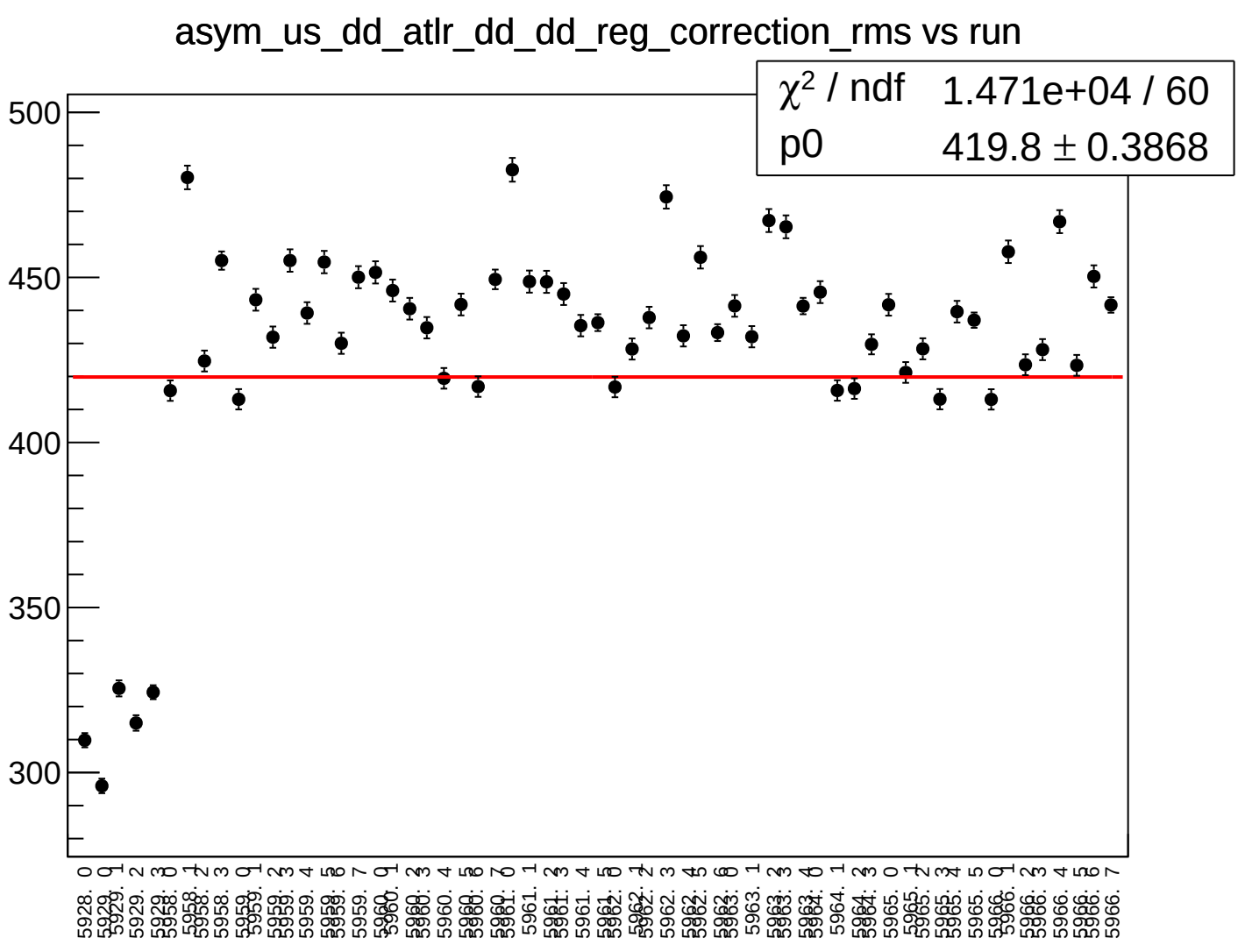

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 70.39 / 60
p0 −2572 ± 1347
pull
Entries 61
Mean −192.1
Std Dev 0

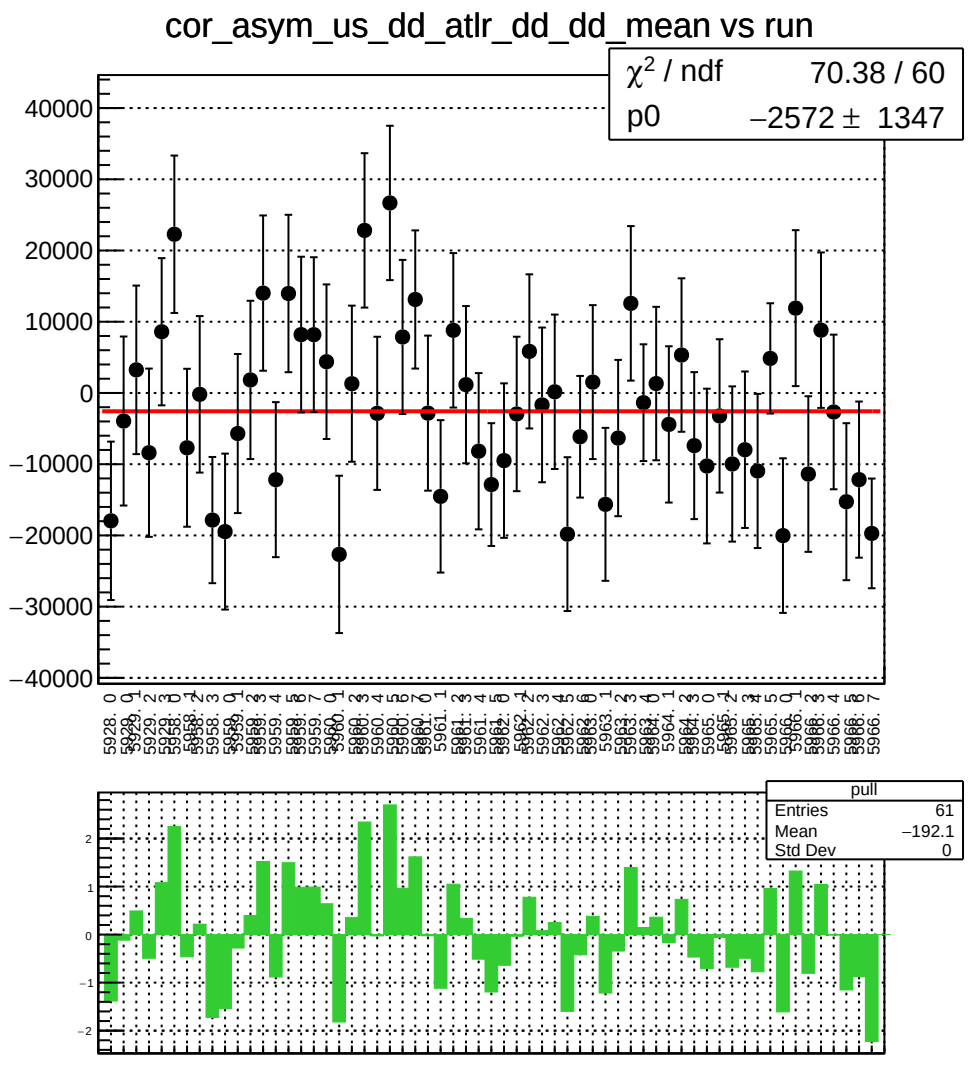

pull1D
Entries 61
Mean 0.01712
Std Dev 1.074

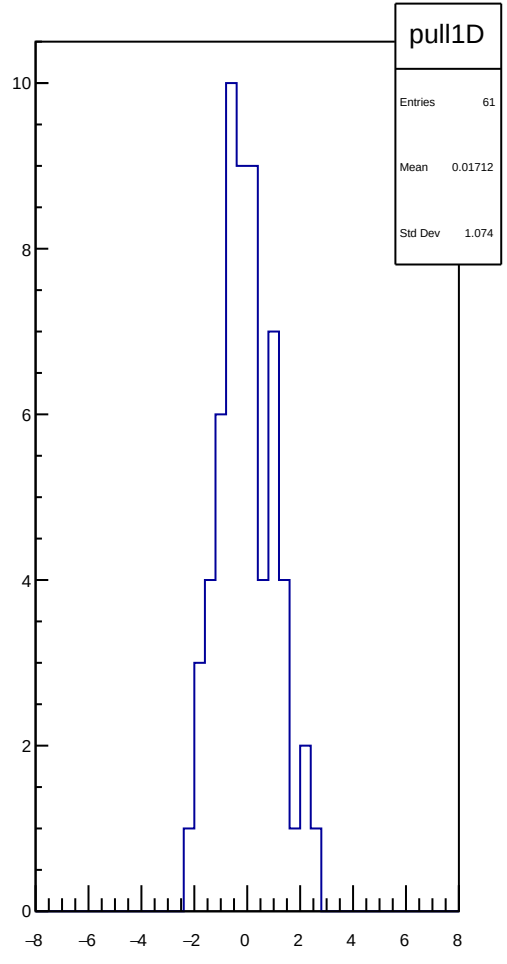

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 663.1 / 60
p0 1040 ± 0.9523
1140
1120
1100
1080
1060
1040
1020
1000

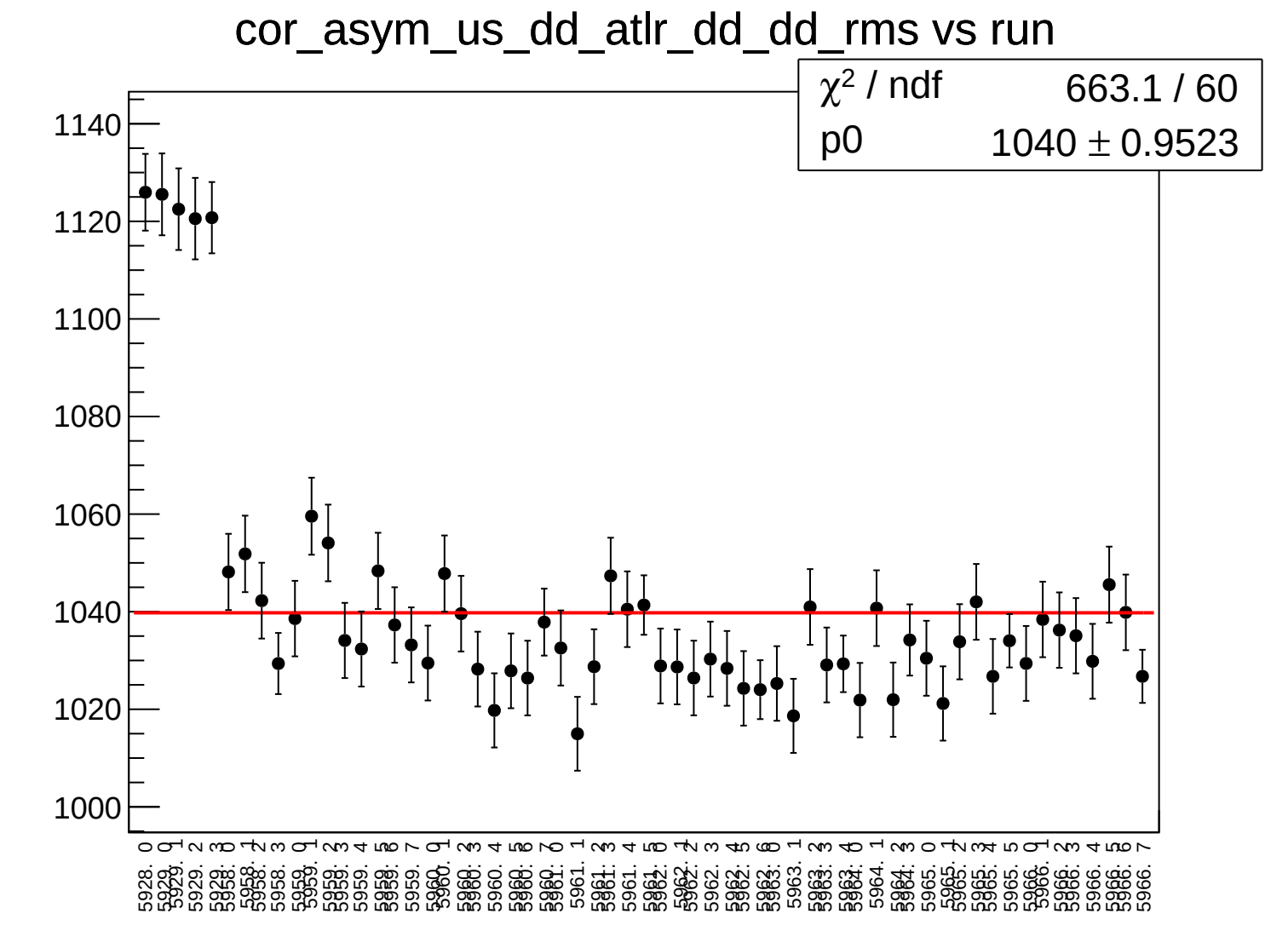

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 62.08 / 60
p0 −862.9 ± 547
pull
Entries 61
Mean 216
Std Dev 0

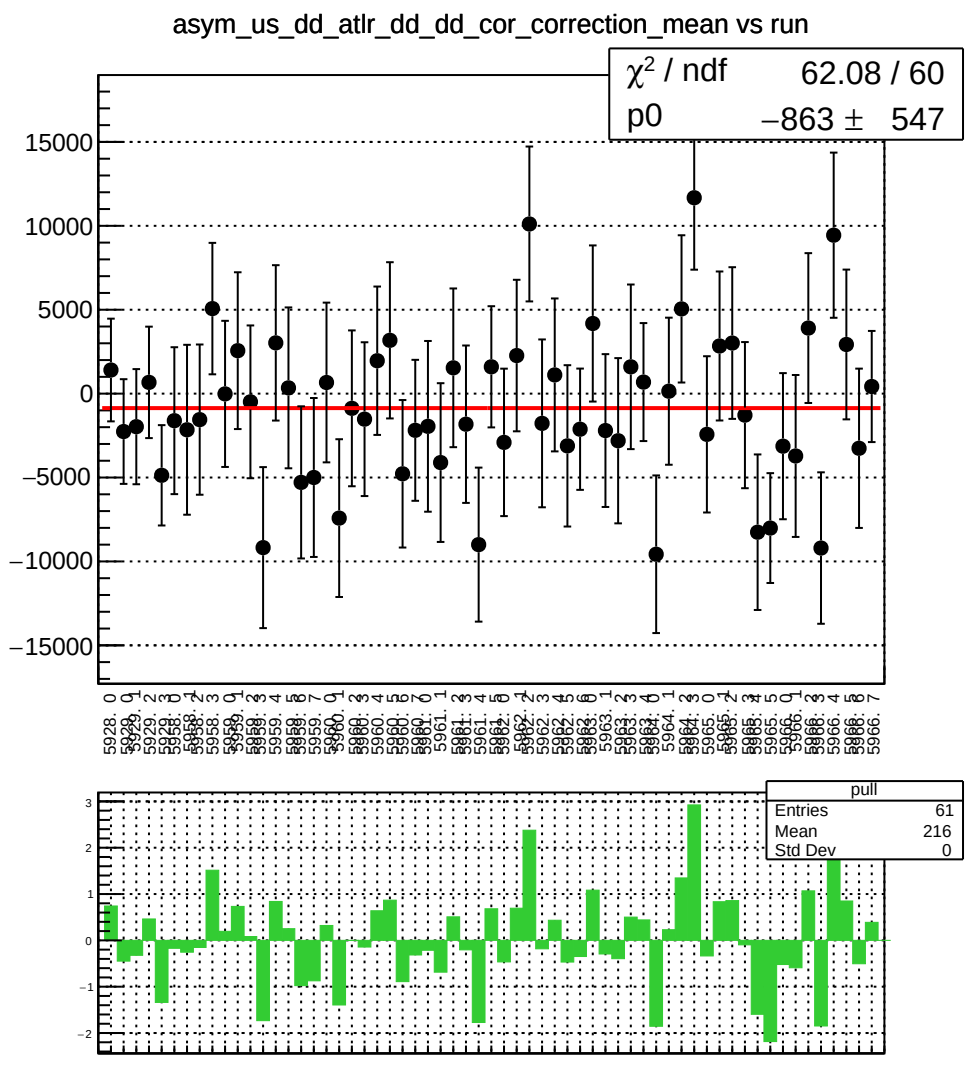

pull1D
Entries 61
Mean 0.006304
Std Dev 1.009

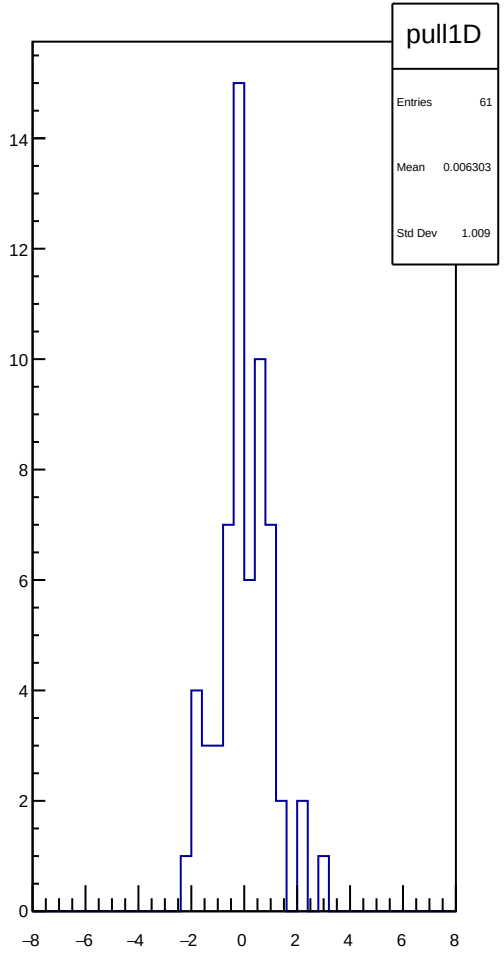

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 1.471e+04 / 60
p0 419.8 ± 0.3868
500
450
400
350
300

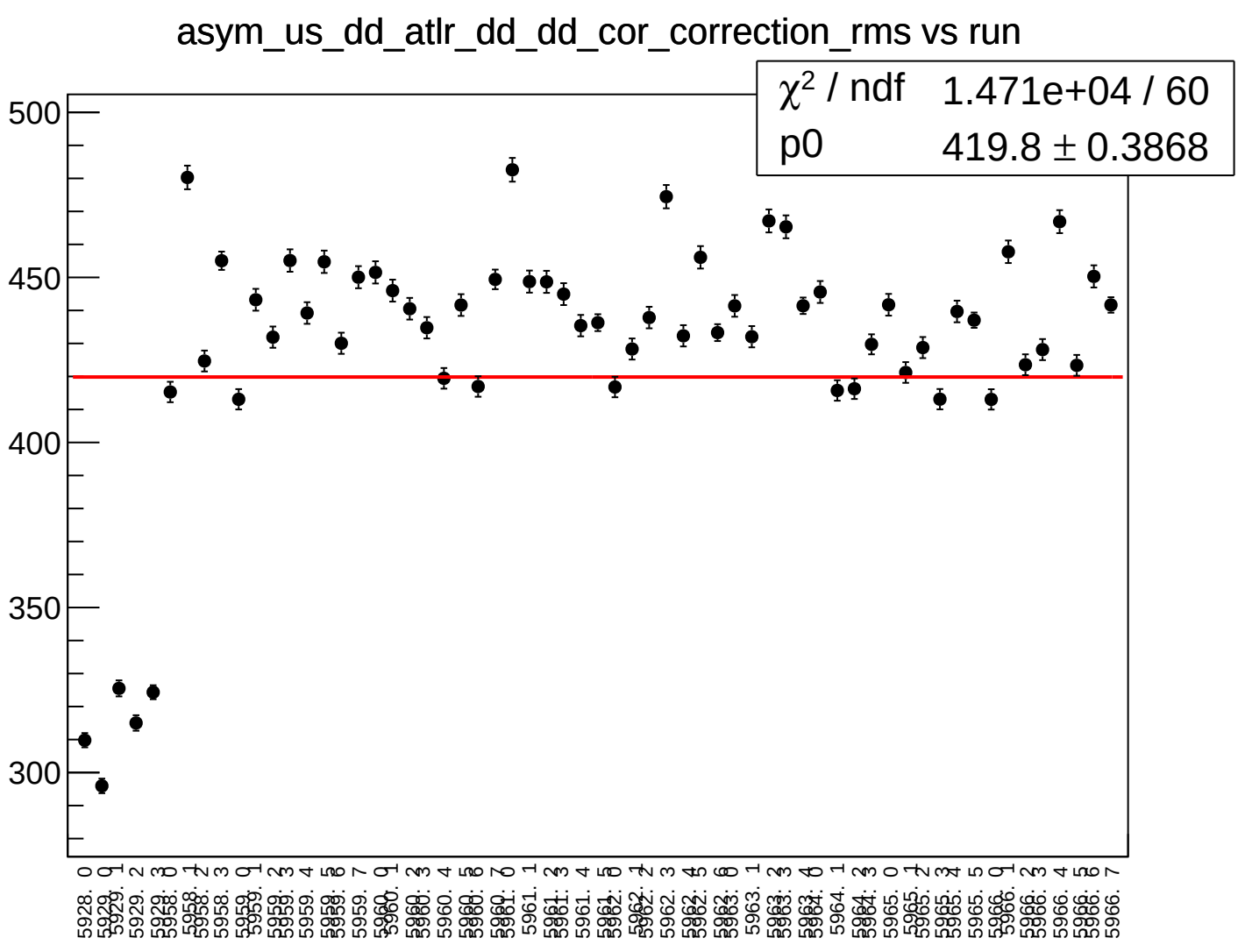

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 70.38 / 60
p0 −2572 ± 1347
pull
Entries 61
Mean −192.1
Std Dev 0

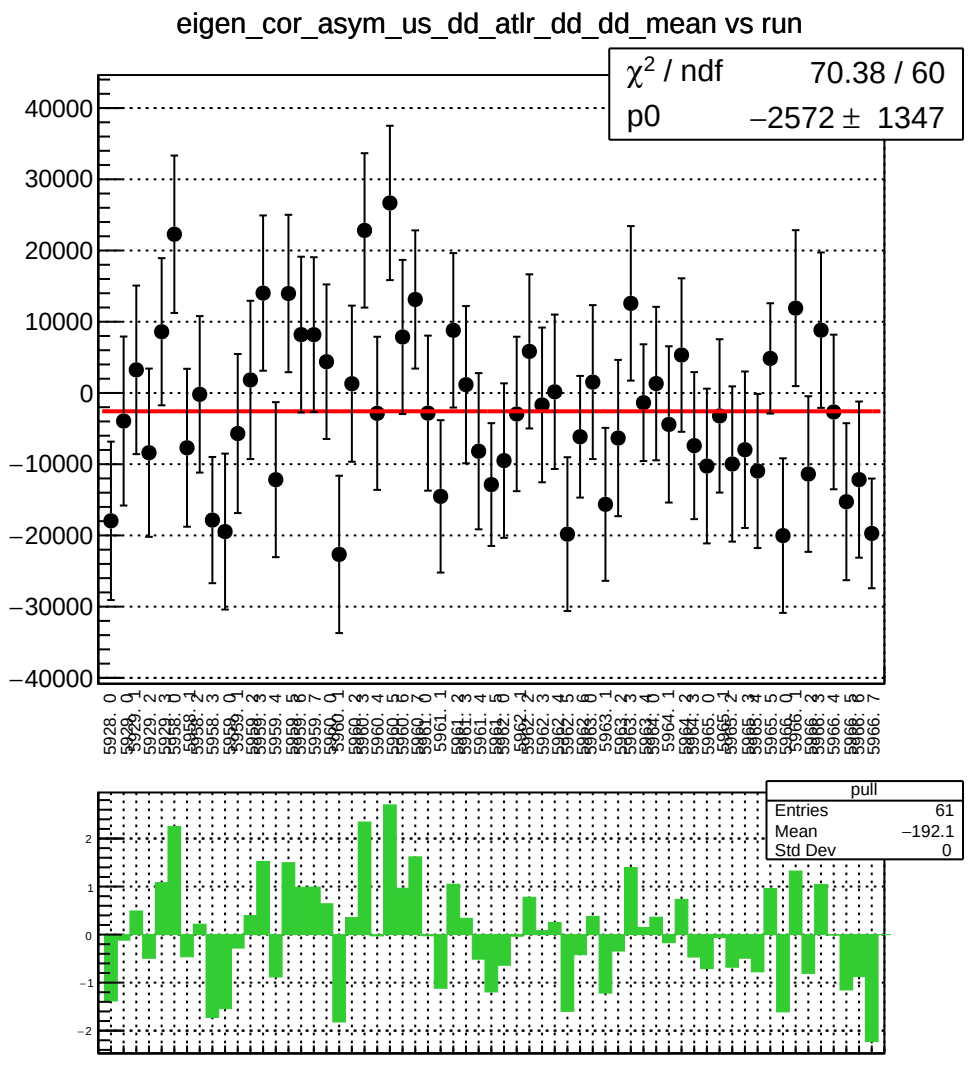

pull1D
Entries 61
Mean 0.01712
Std Dev 1.074

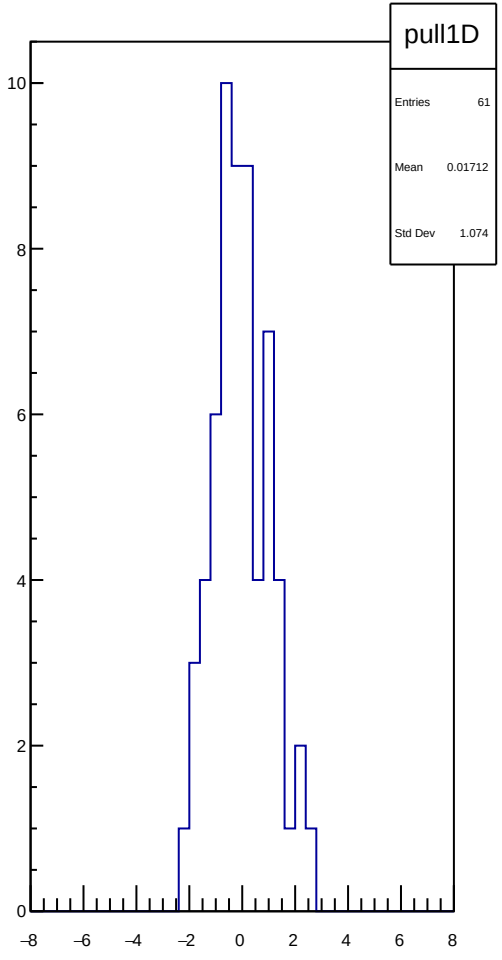

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 663.1 / 60
p0 1040 ± 0.9523
1140
1120
1100
1080
1060
1040
1020
1000

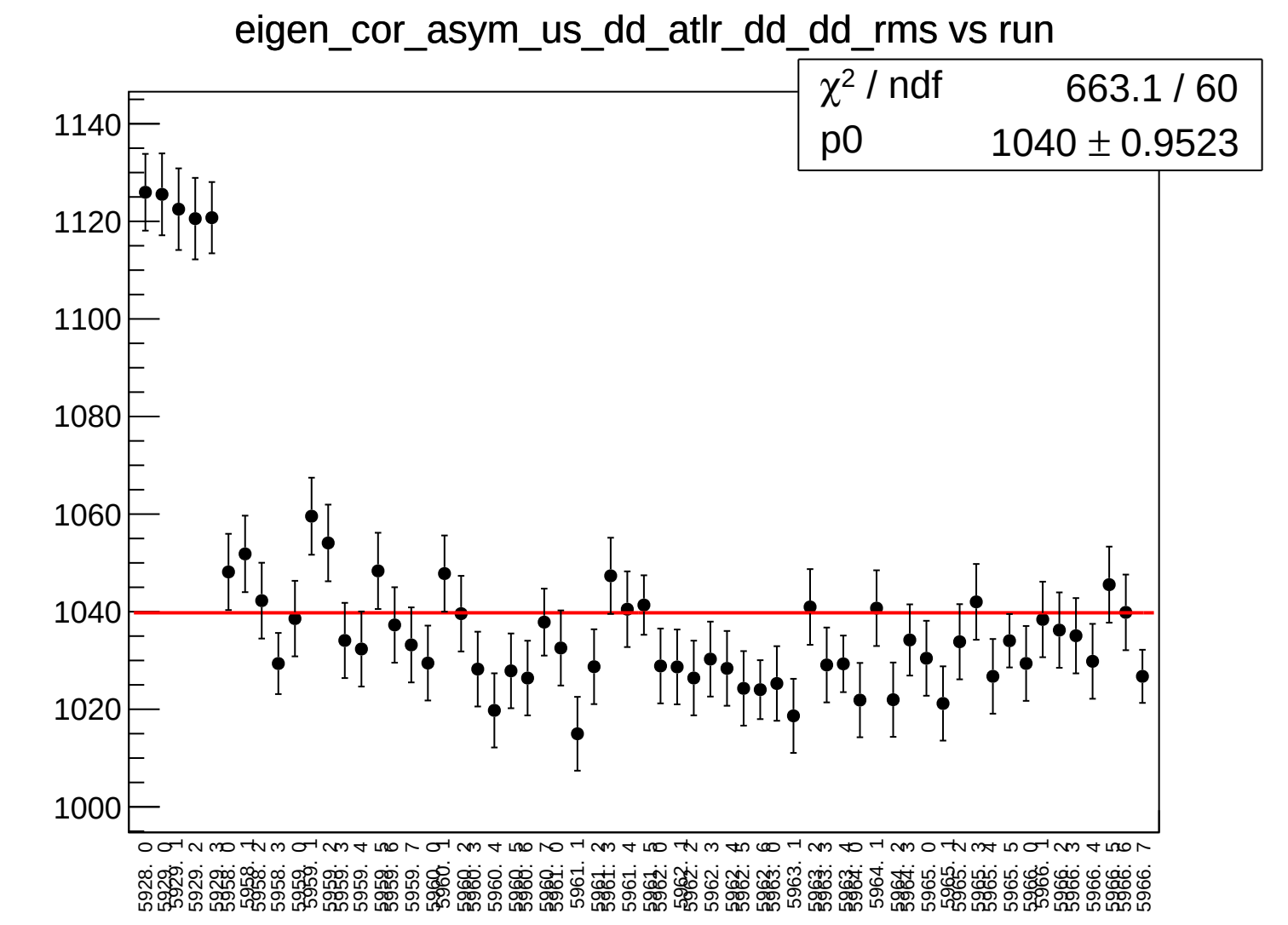

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 62.08 / 60
p0 −863 ± 547
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean 216
Std Dev 0
3
2
1
0
−1
−2

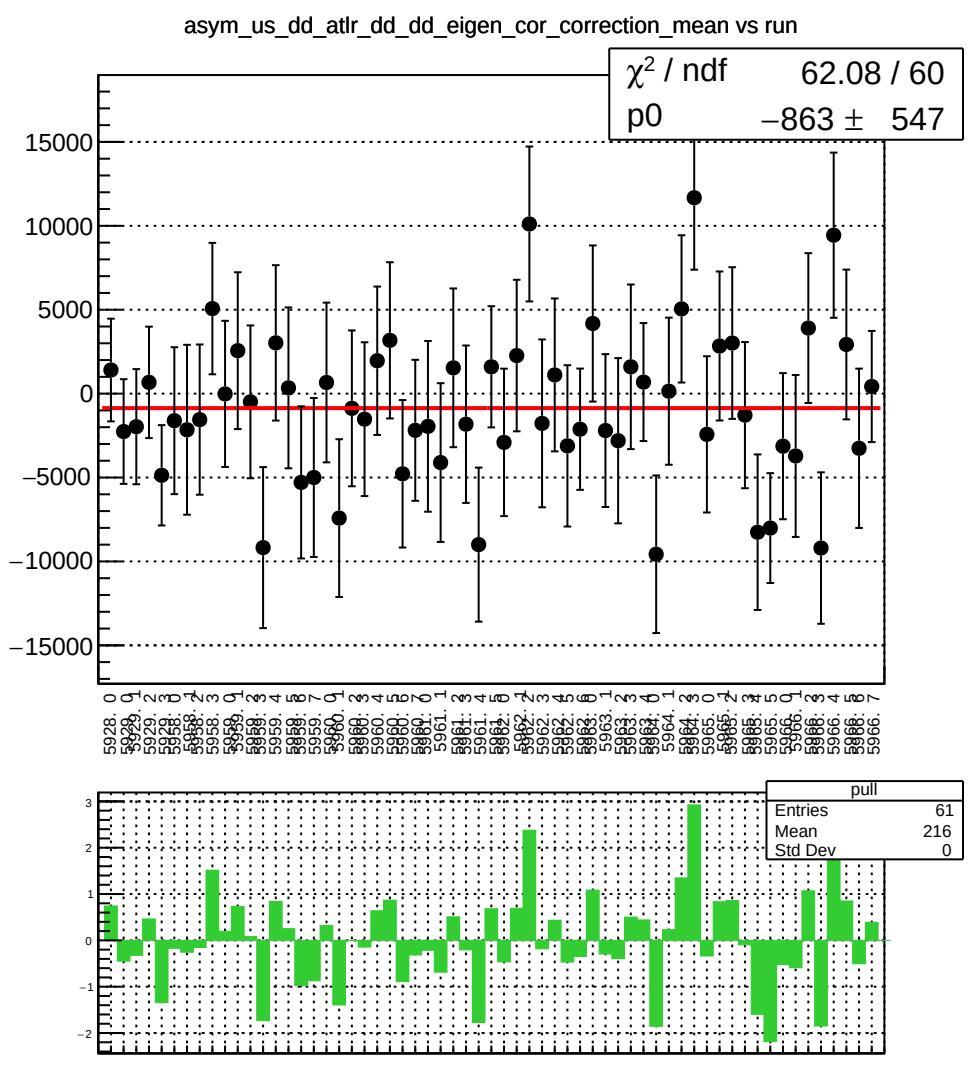

pull1D
Entries 61
Mean 0.006303
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

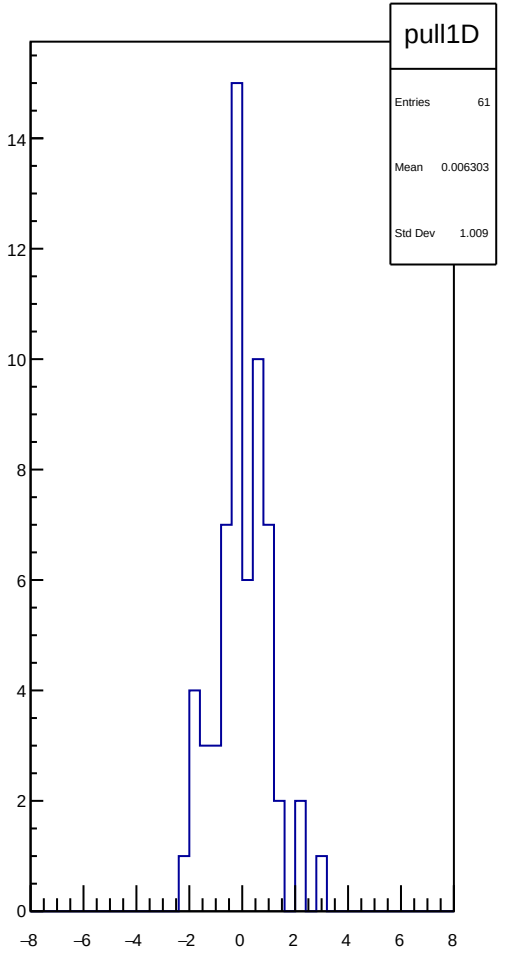

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1.471e+04 / 60
p0 419.8 ± 0.3868
500
450
400
350
300

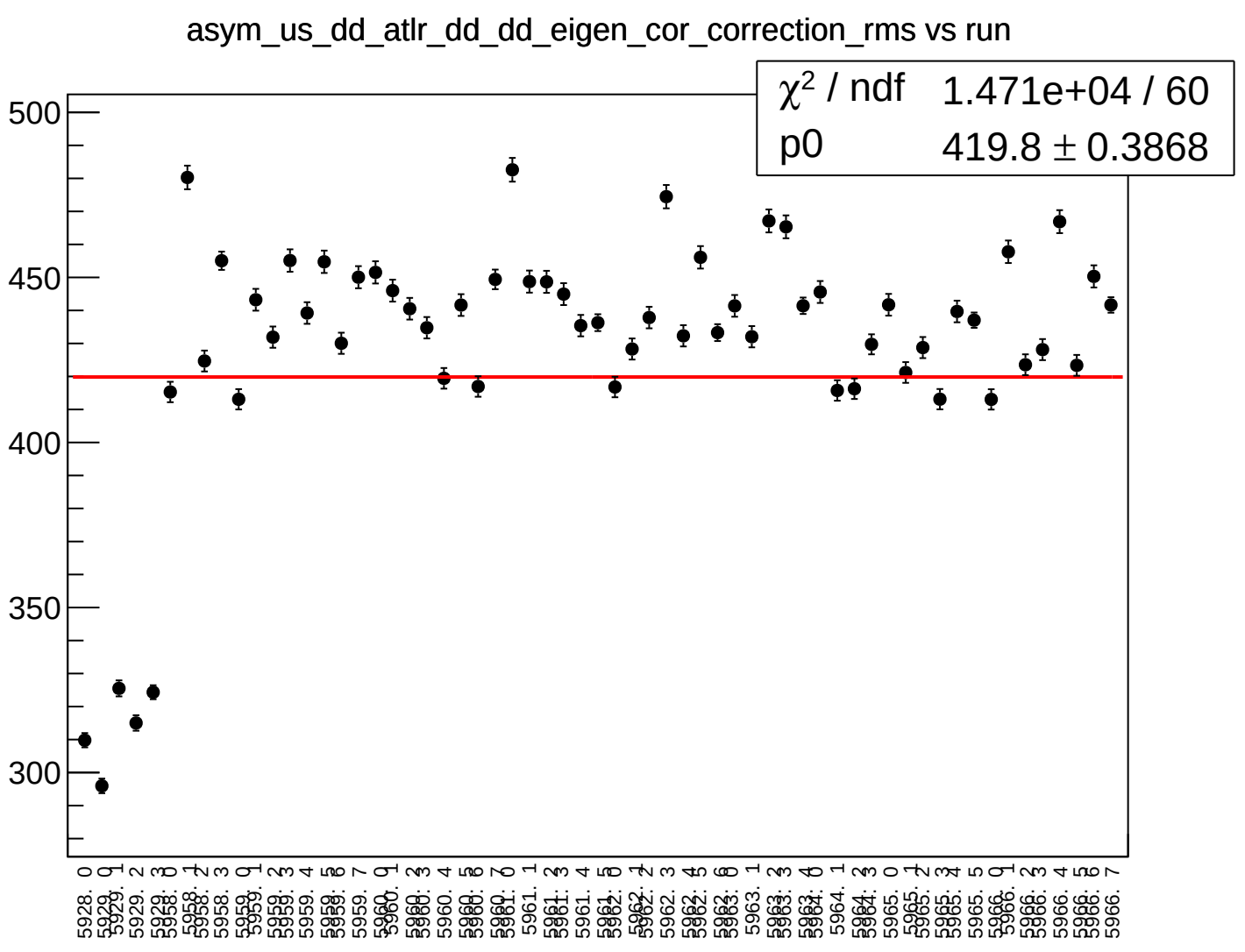

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 70.38 / 60
p0 −2572 ± 1347
pull
Entries 61
Mean −192.1
Std Dev 0

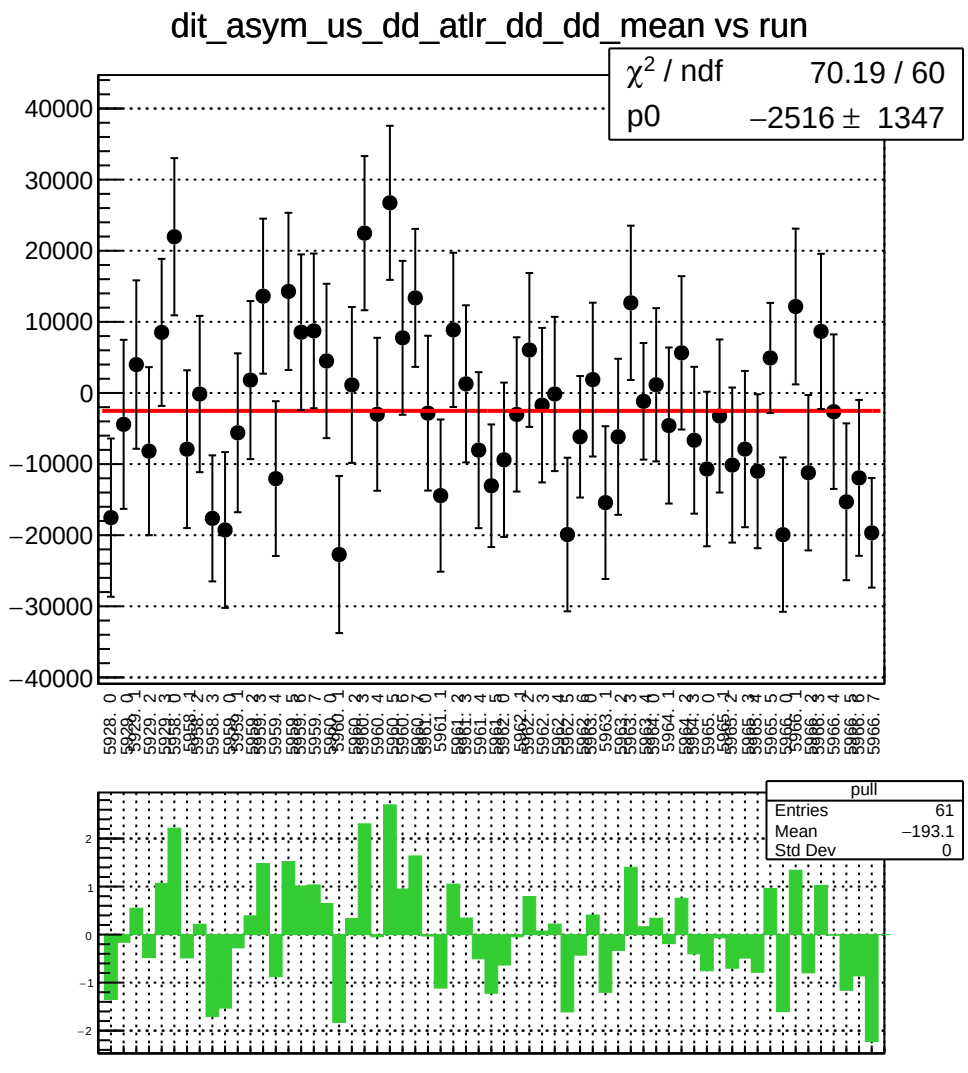

pull1D
Entries 61
Mean 0.01712
Std Dev 1.074

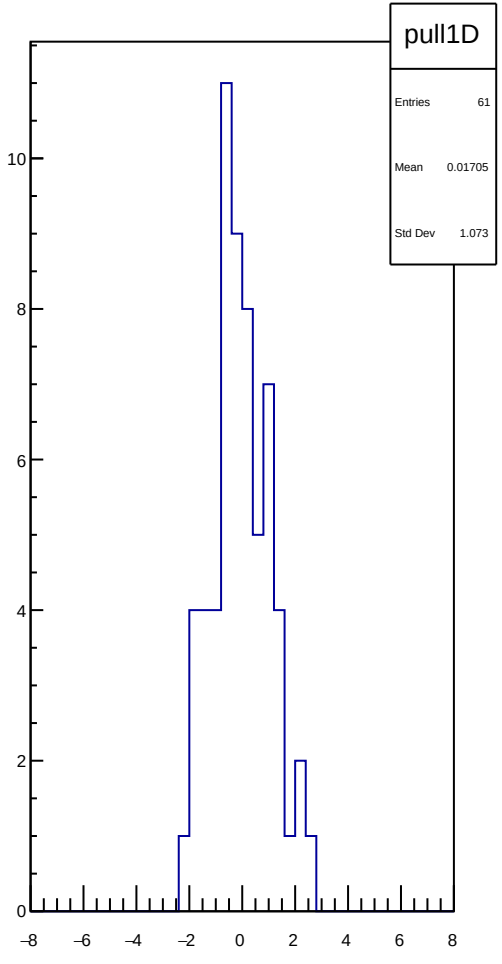

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 663.1 / 60
p0 1040 ± 0.9523
1140
1120
1100
1080
1060
1040
1020
1000

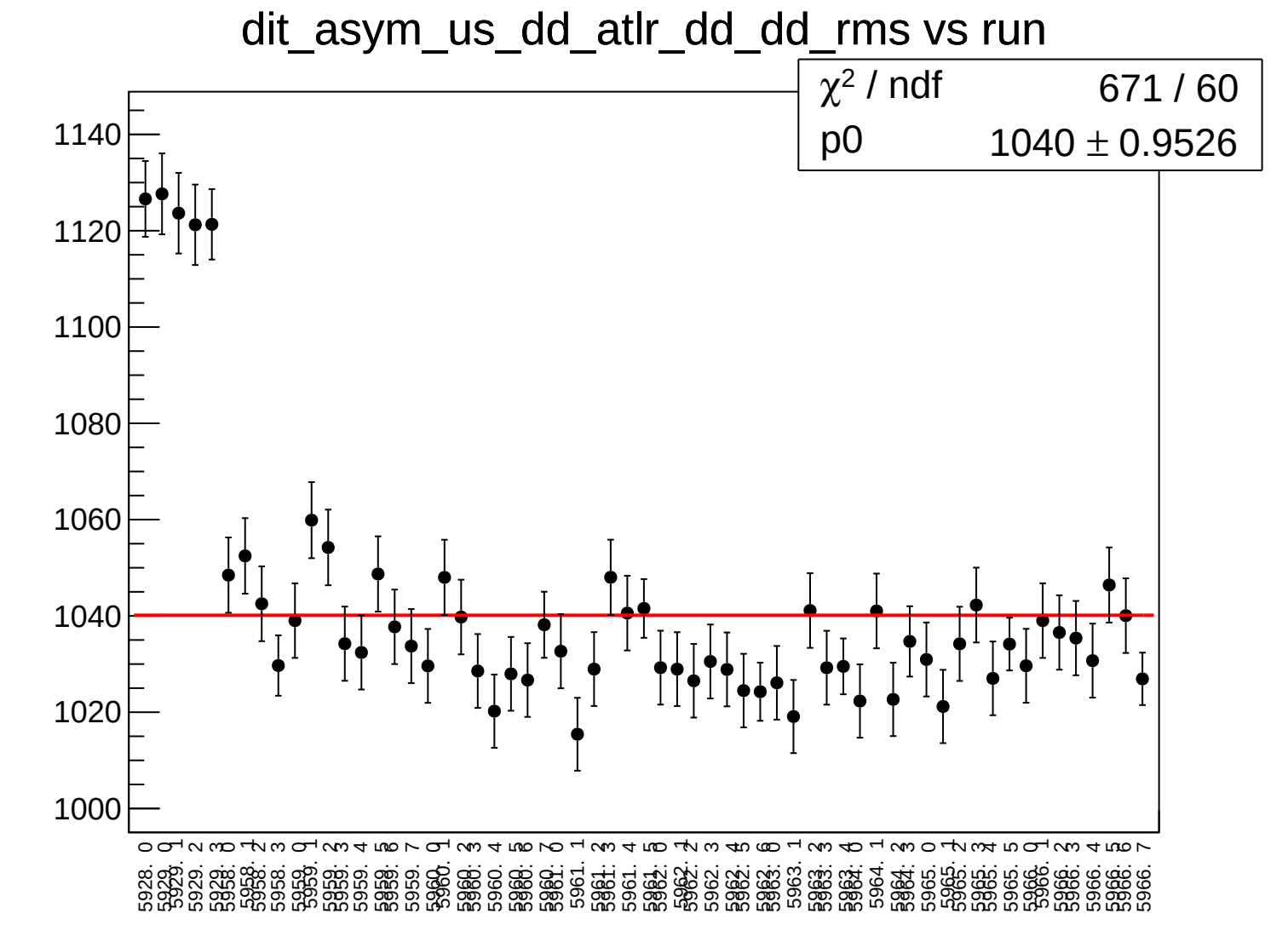

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 62.08 / 60
p0 −863 ± 547
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean 216
Std Dev 0
3
2
1
0
−1
−2

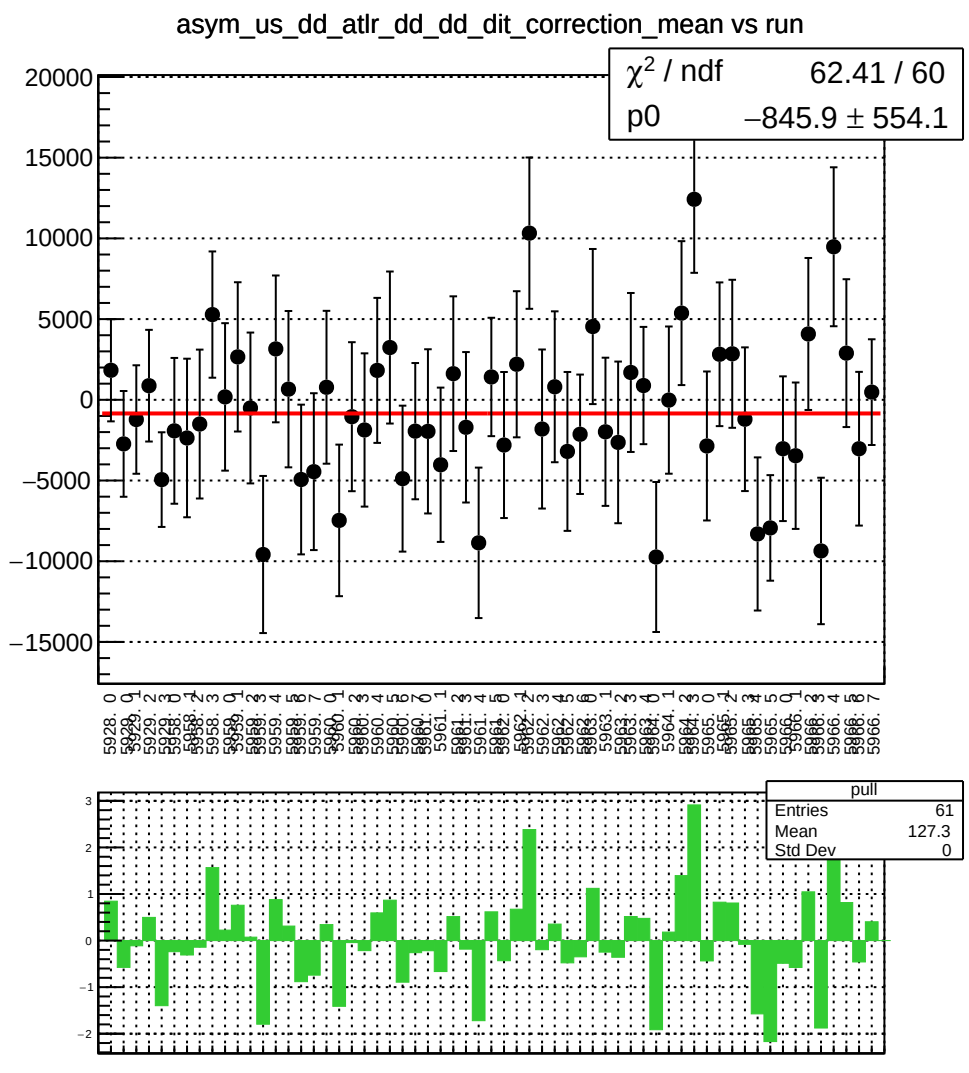

pull1D
Entries 61
Mean 0.006303
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

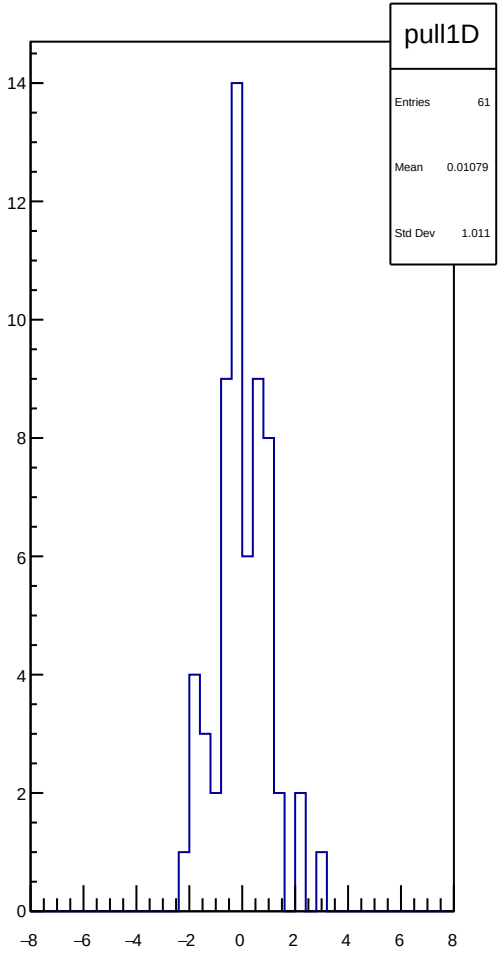

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.471e+04 / 60
p0 419.8 ± 0.3868
500
450
400
350
300

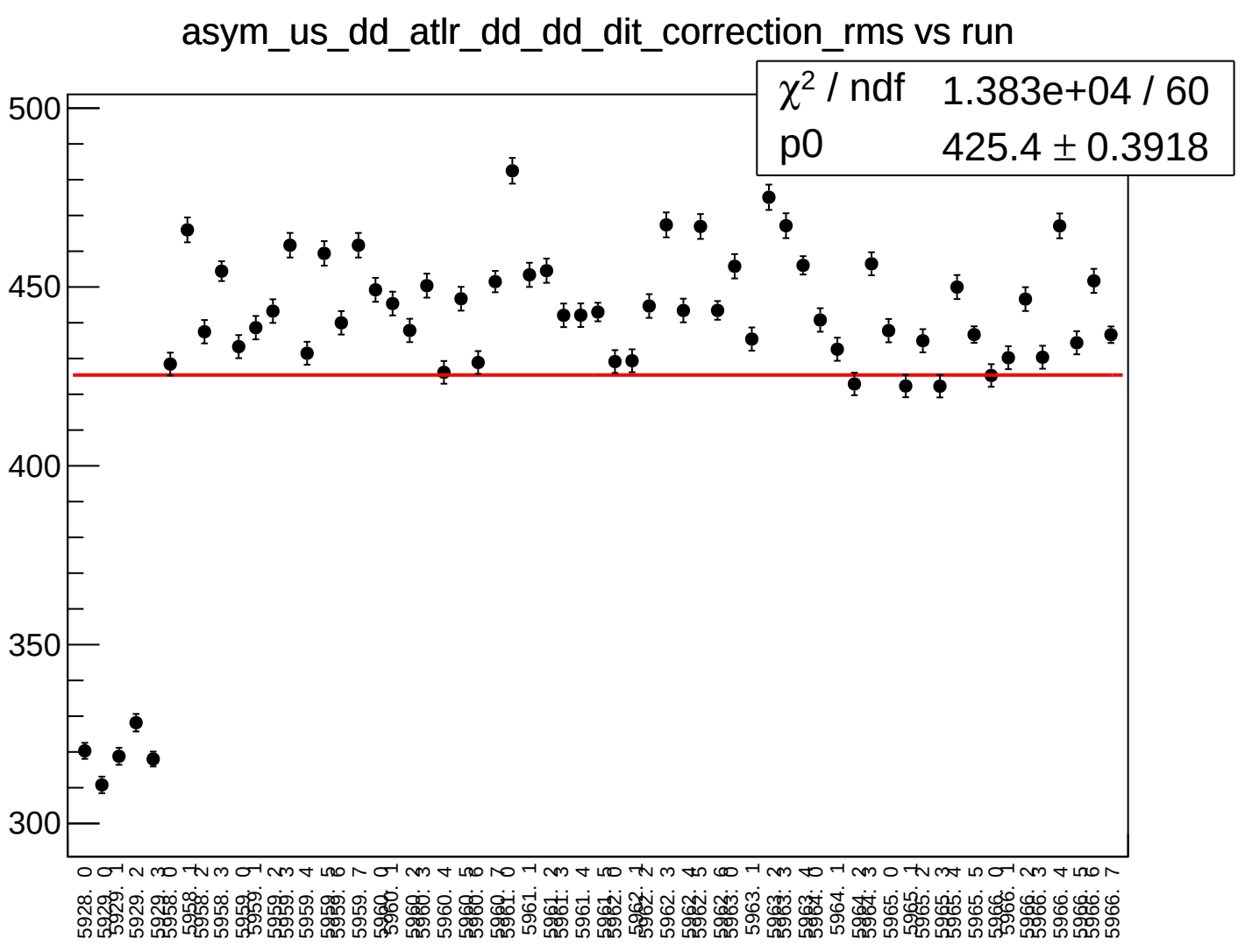

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 70.19 / 60
p0 −2516 ± 1347
pull
Entries 61
Mean −193.1
Std Dev 0

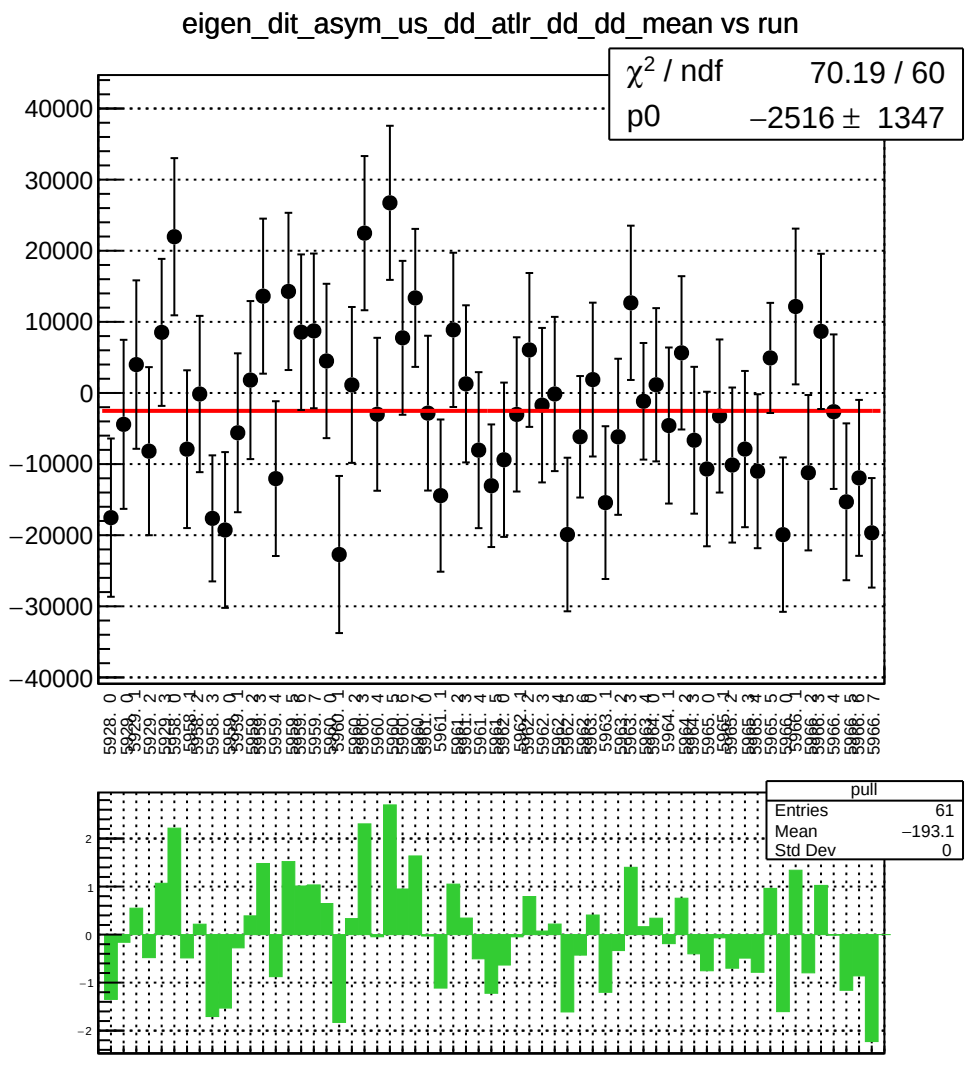

pull1D
Entries 61
Mean 0.01705
Std Dev 1.073

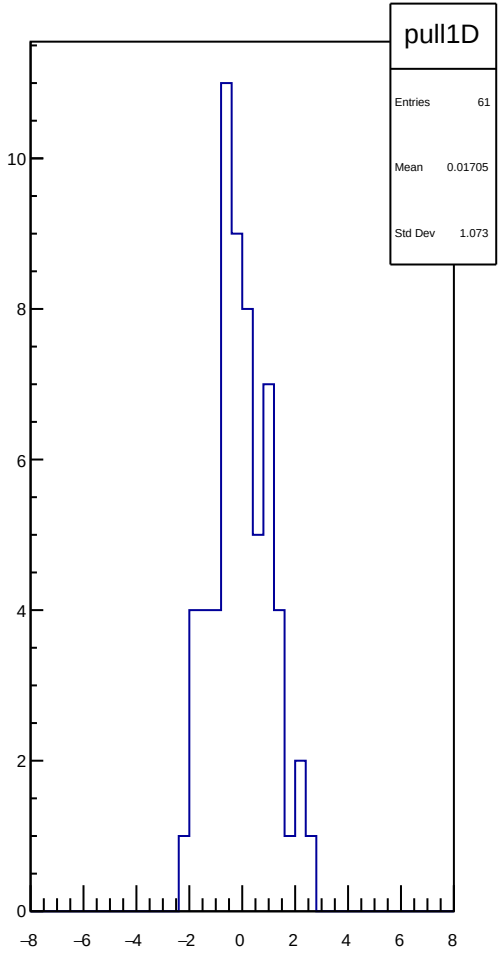

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 671 / 60
p0 1040 ± 0.9526
1140
1120
1100
1080
1060
1040
1020
1000

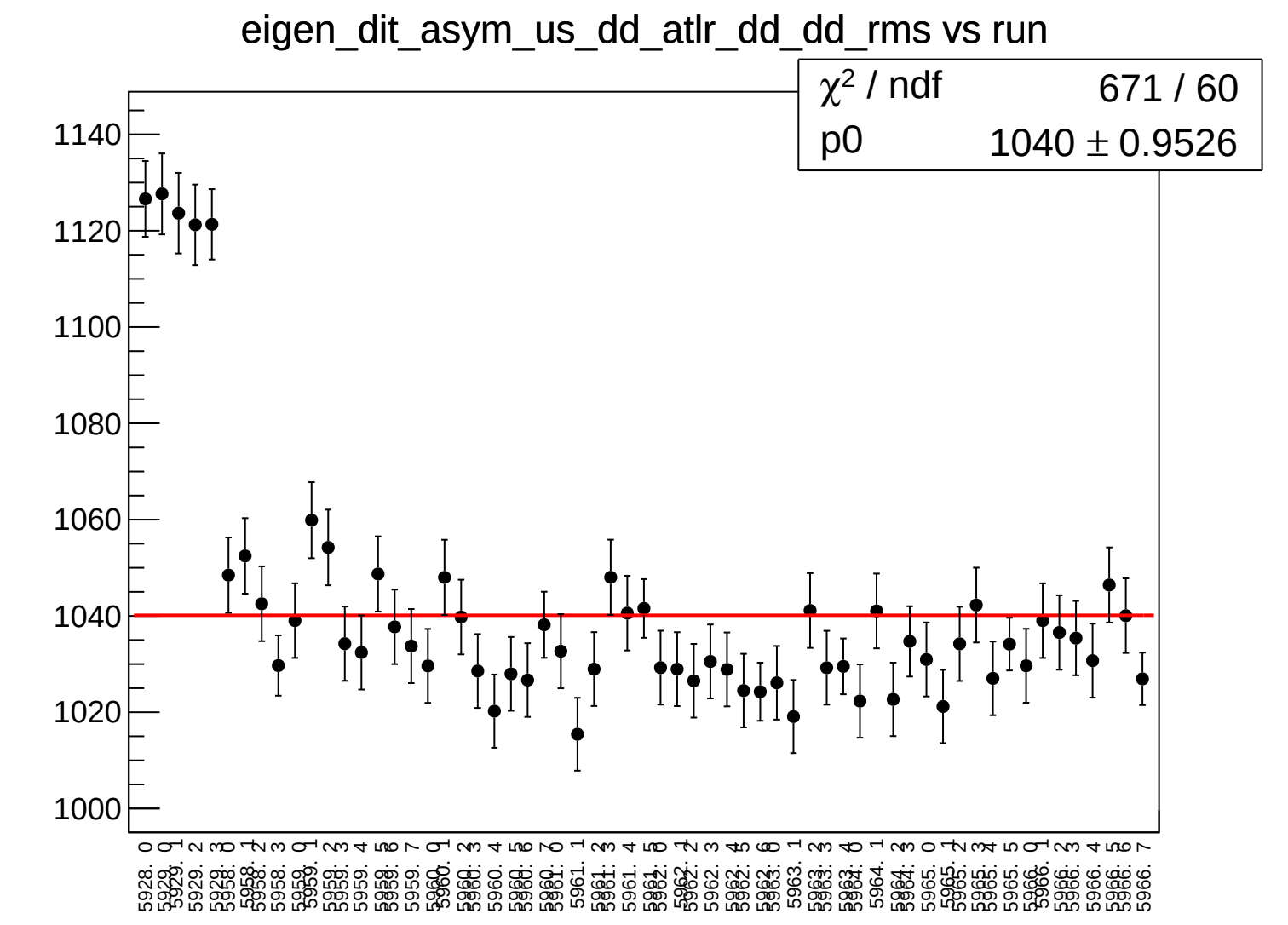

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 62.41 / 60
p0 −845.9 ± 554.1
pull
Entries 61
Mean 127.3
Std Dev 0

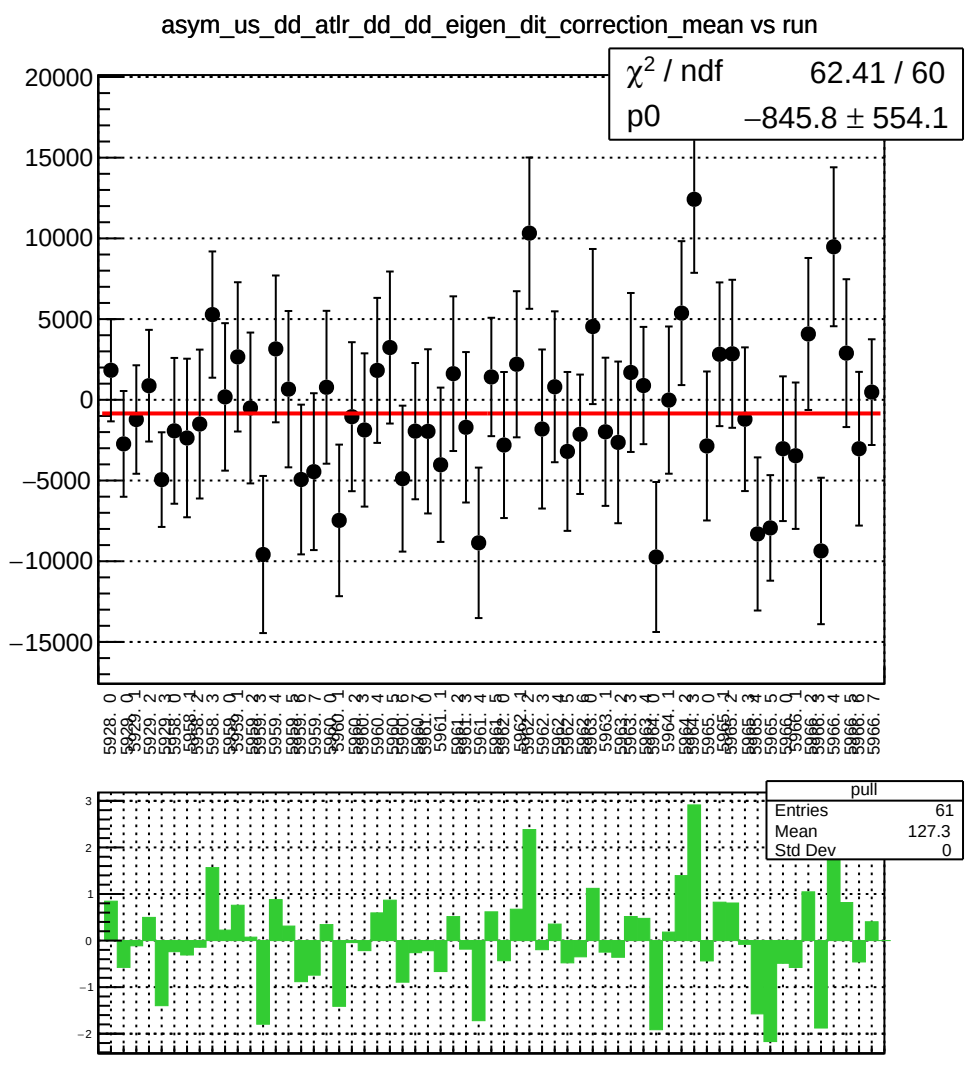

pull1D
Entries 61
Mean 0.01079
Std Dev 1.011

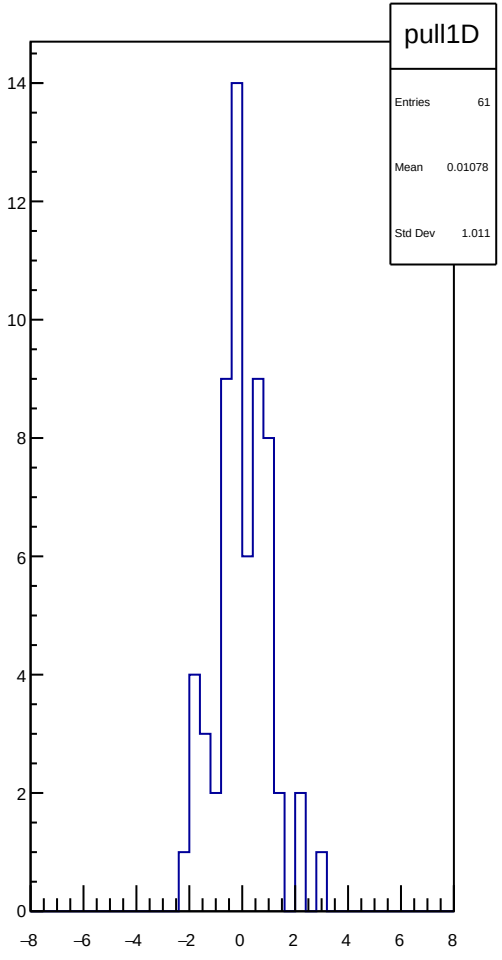

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.383e+04 / 60
p0 425.4 ± 0.3918
500
450
400
350
300

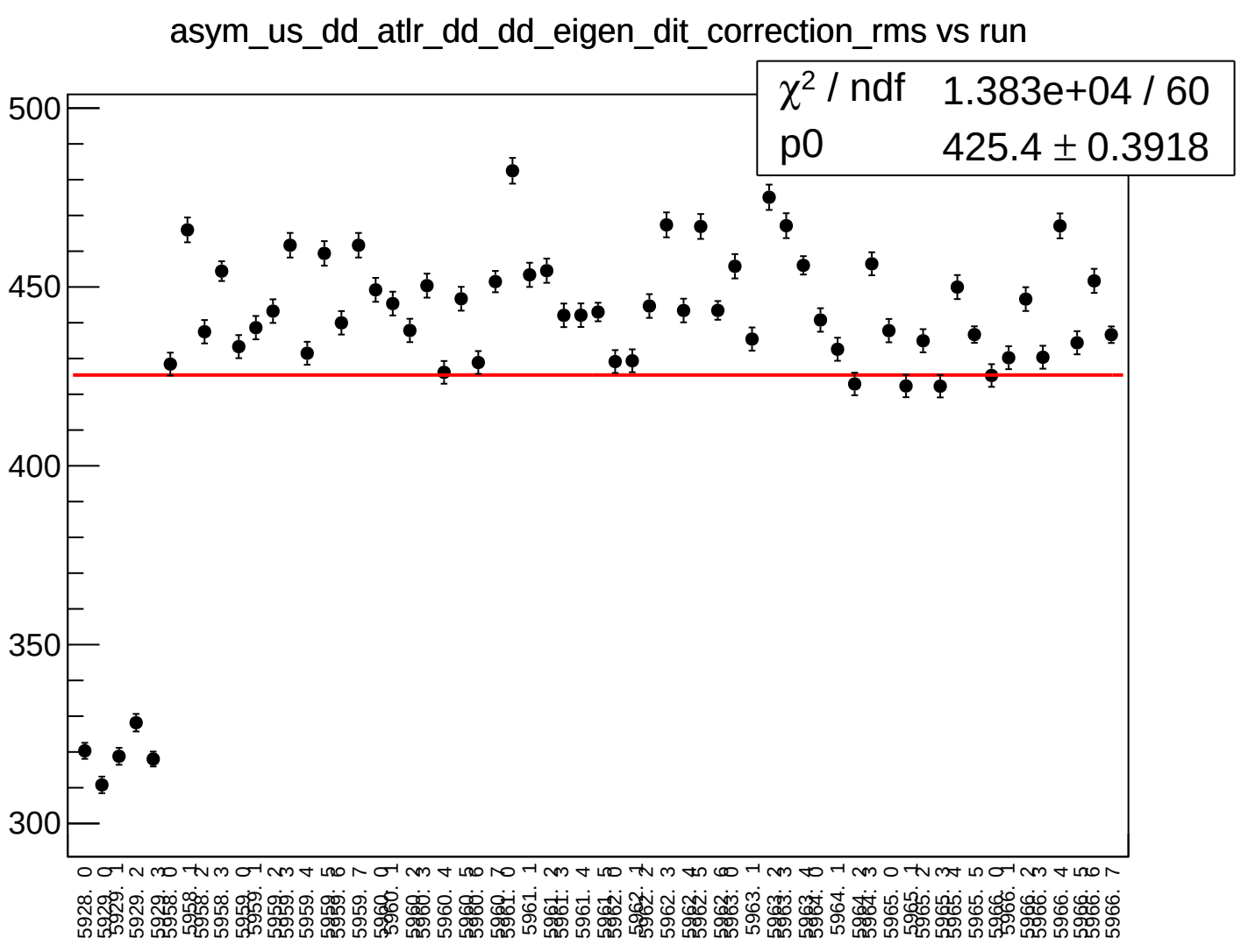

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 70.19 / 60
p0 −2516 ± 1347
pull
Entries 61
Mean −193.1
Std Dev 0

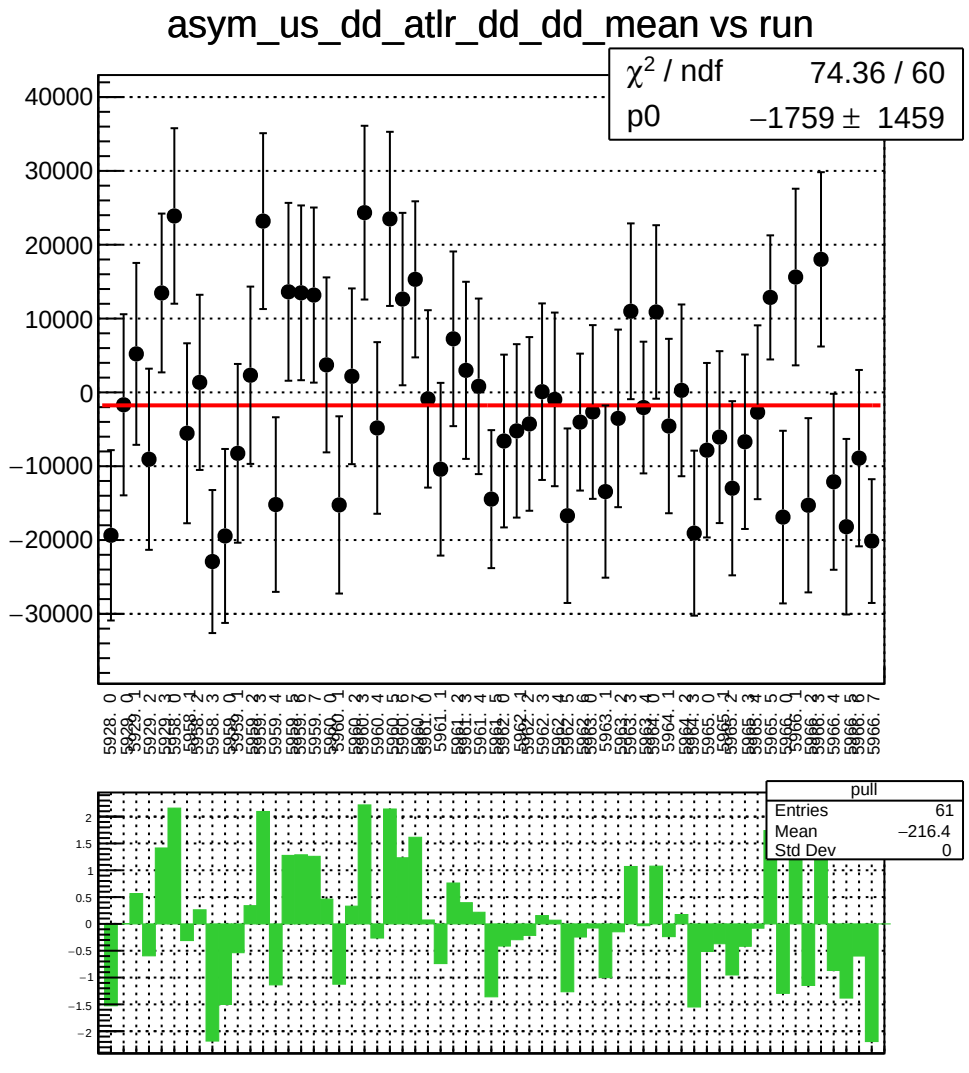

pull1D
Entries 61
Mean 0.01705
Std Dev 1.073

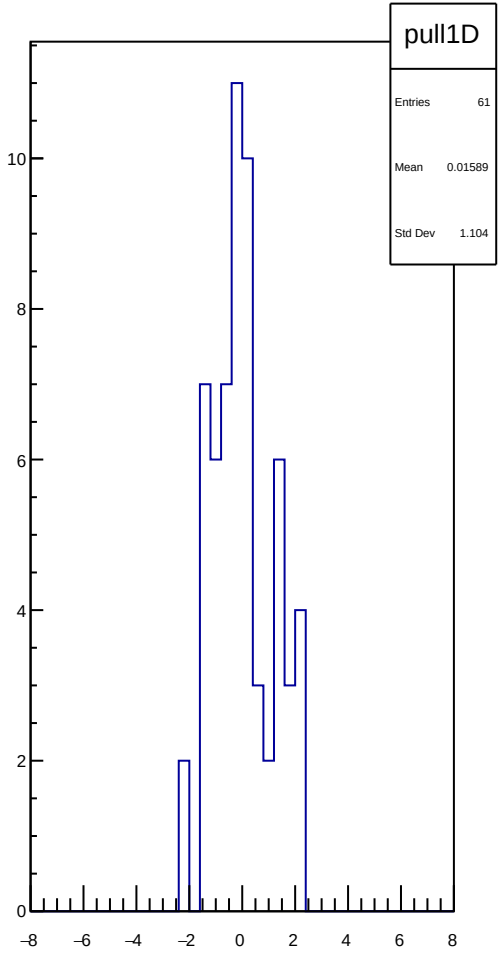

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 671 / 60
p0 1040 ± 0.9526
1140
1120
1100
1080
1060
1040
1020
1000

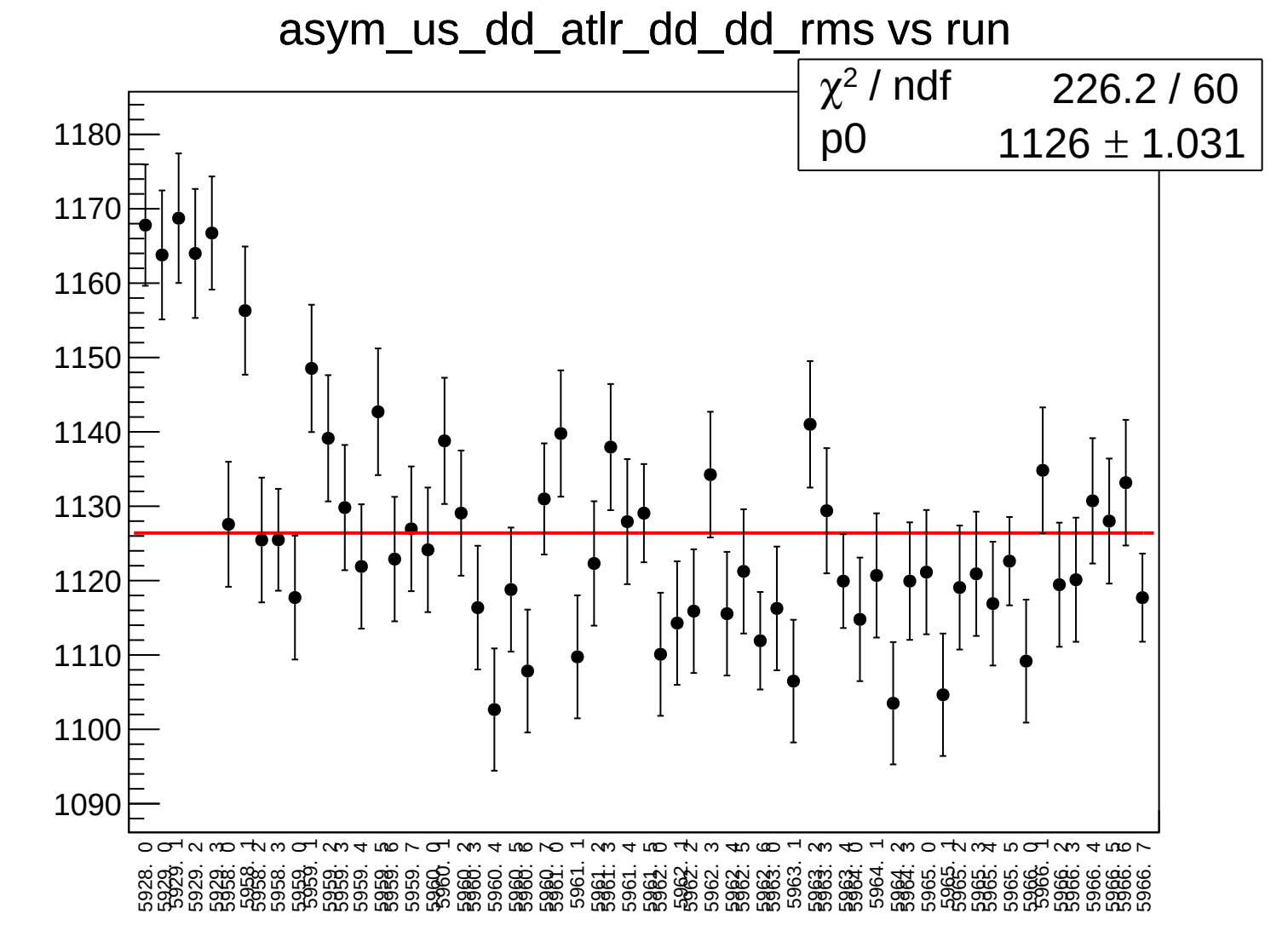

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 62.41 / 60
p0 −845.8 ± 554.1
pull
Entries 61
Mean 127.3
Std Dev 0

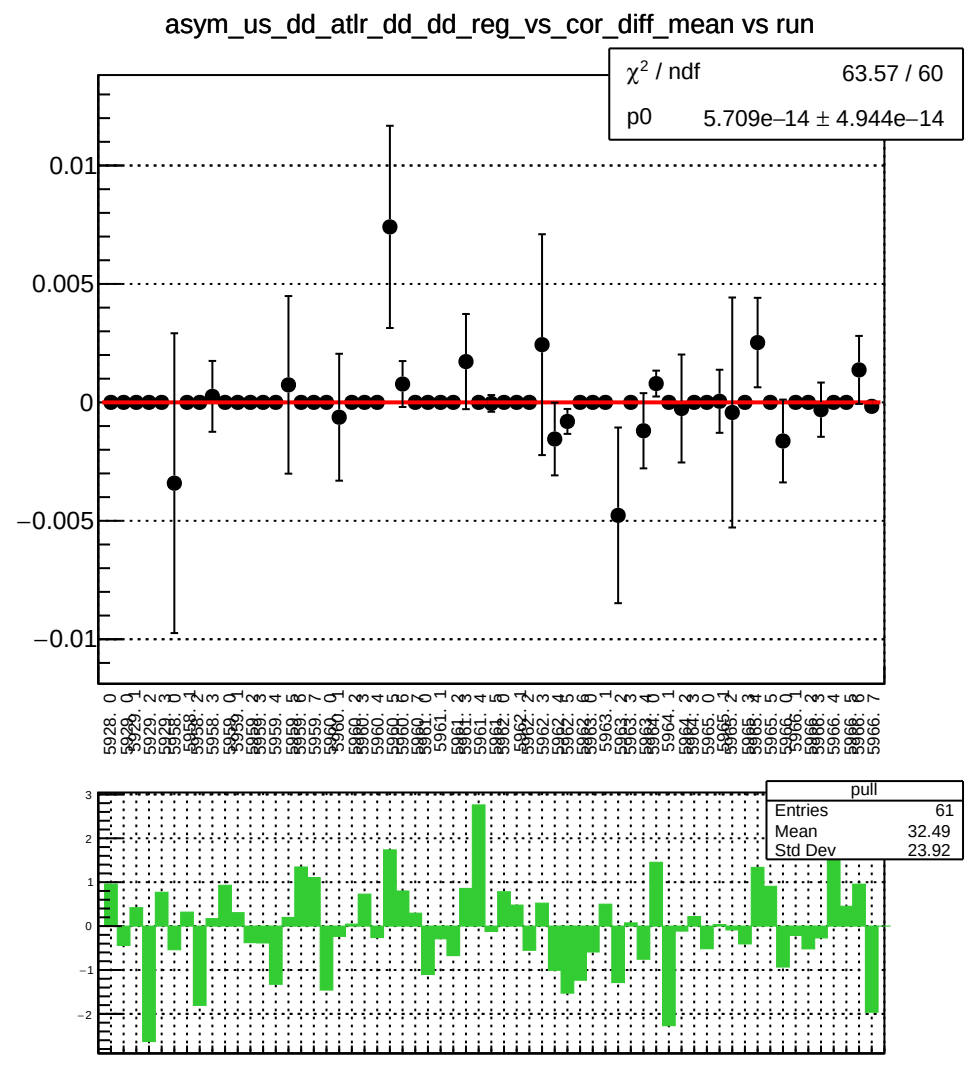

pull1D
Entries 61
Mean 0.01078
Std Dev 1.011

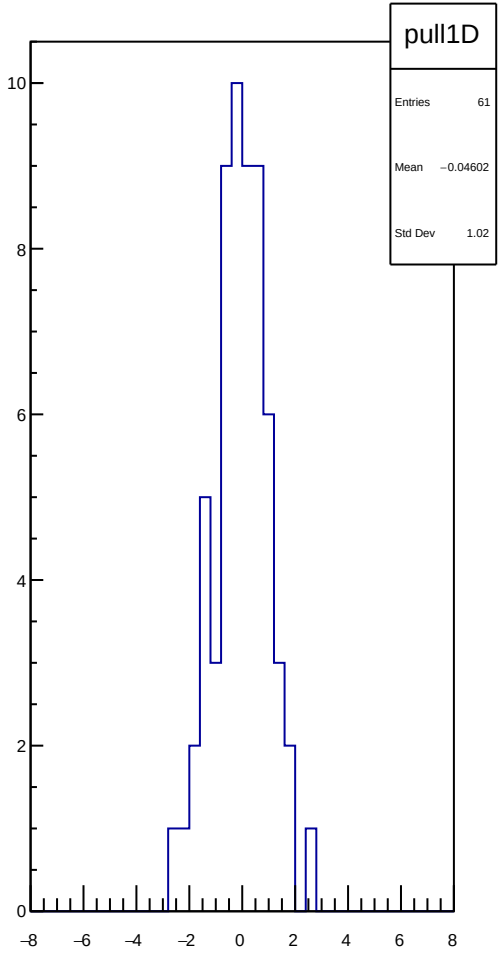

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.383e+04 / 60
p0 425.4 ± 0.3918
500
450
400
350
300

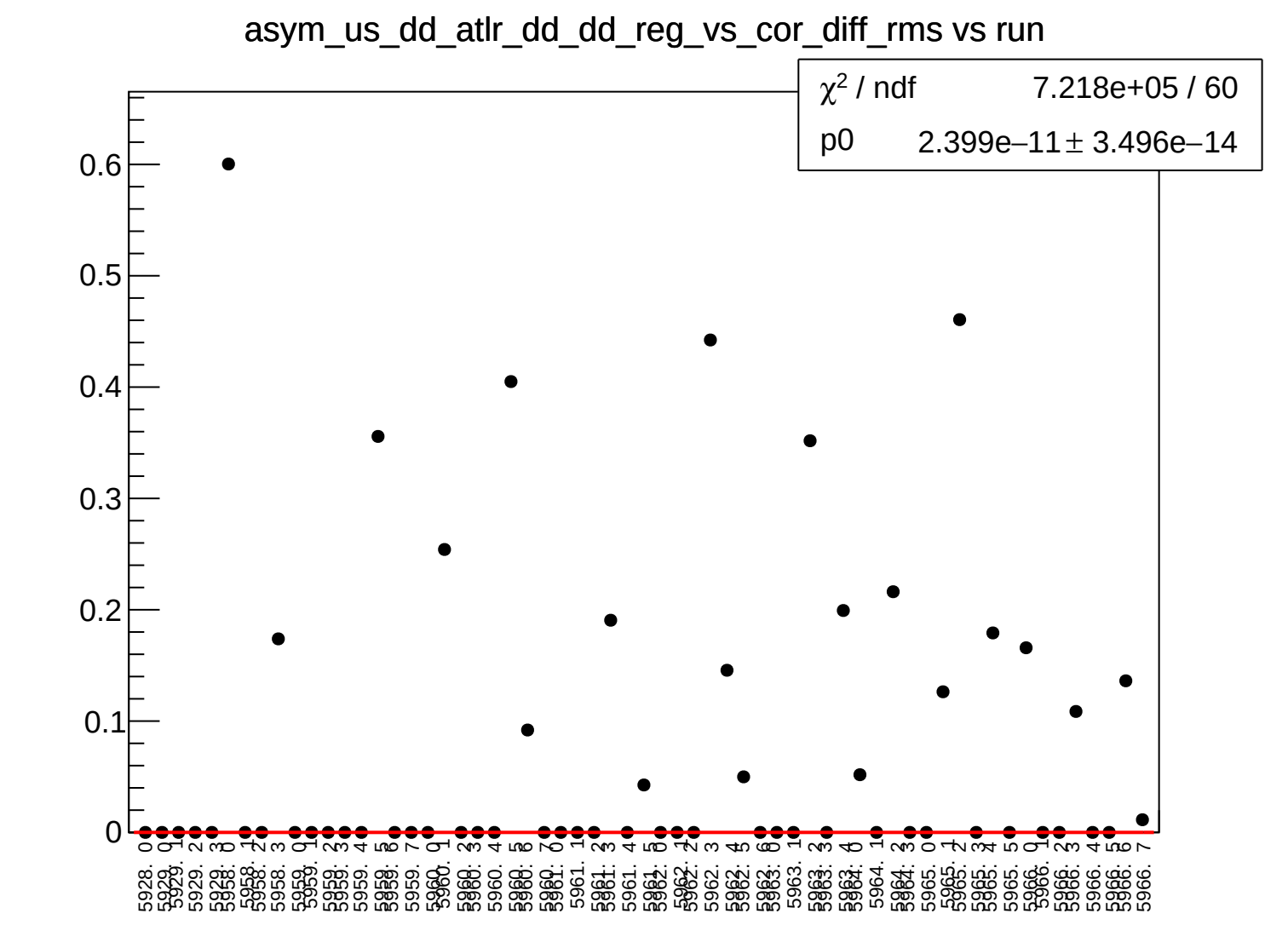

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 74.36 / 60
p0 −1759 ± 1459
pull
Entries 61
Mean −216.4
Std Dev 0

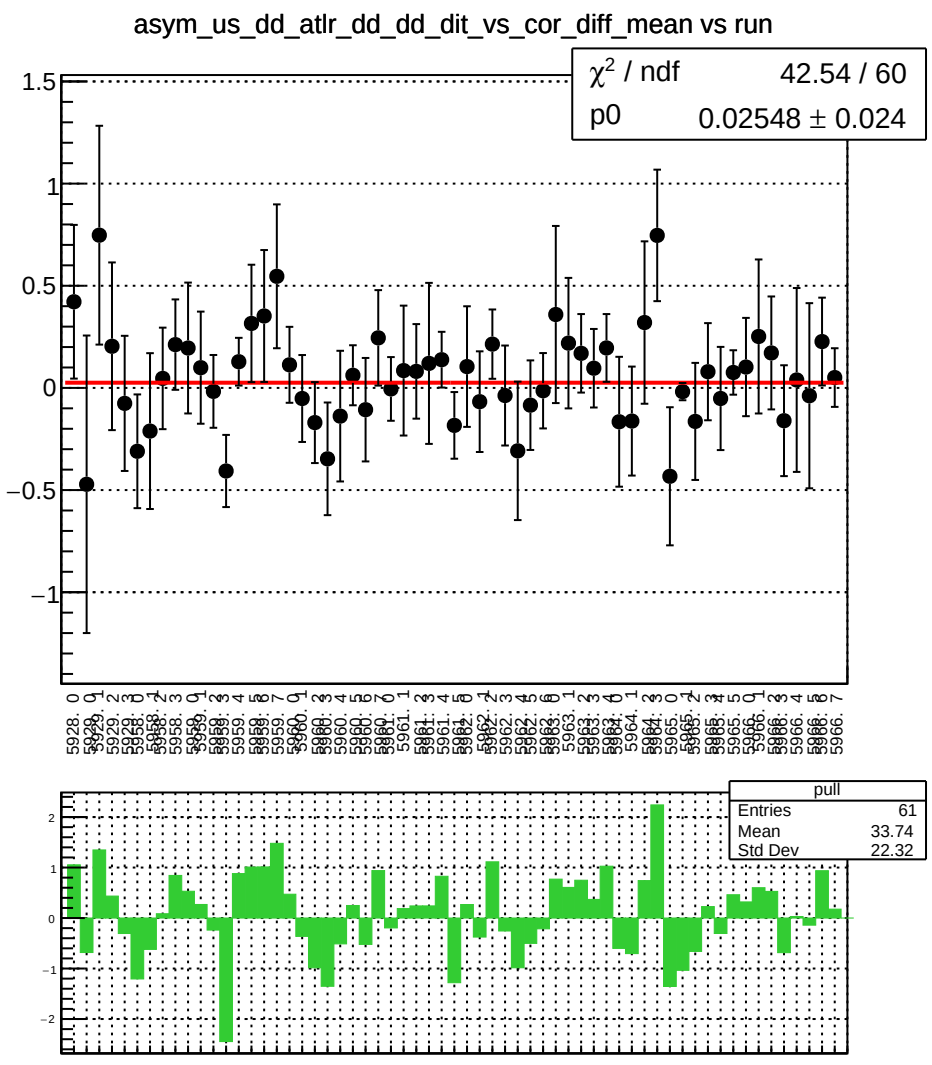

pull1D
Entries 61
Mean 0.01589
Std Dev 1.104

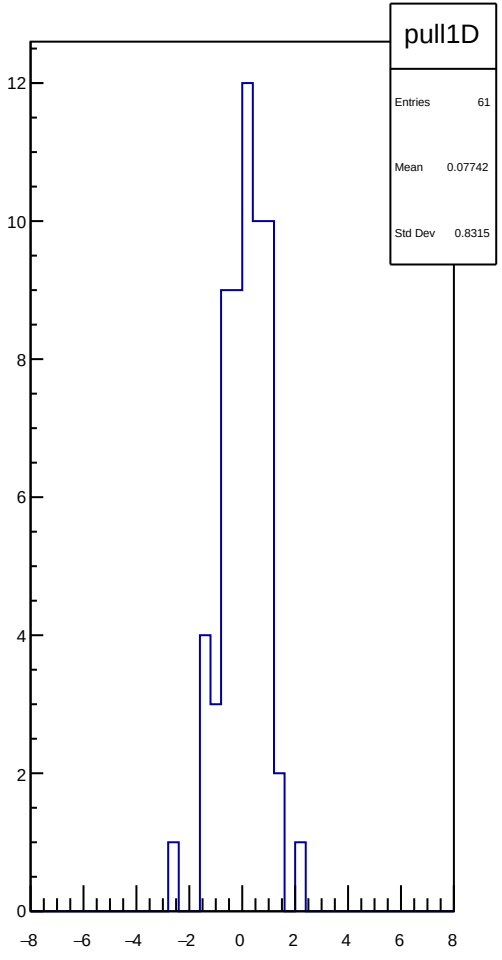

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 226.2 / 60
p0 1126 ± 1.031
1180
1170
1160
1150
1140
1130
1120
1110
1100
1090

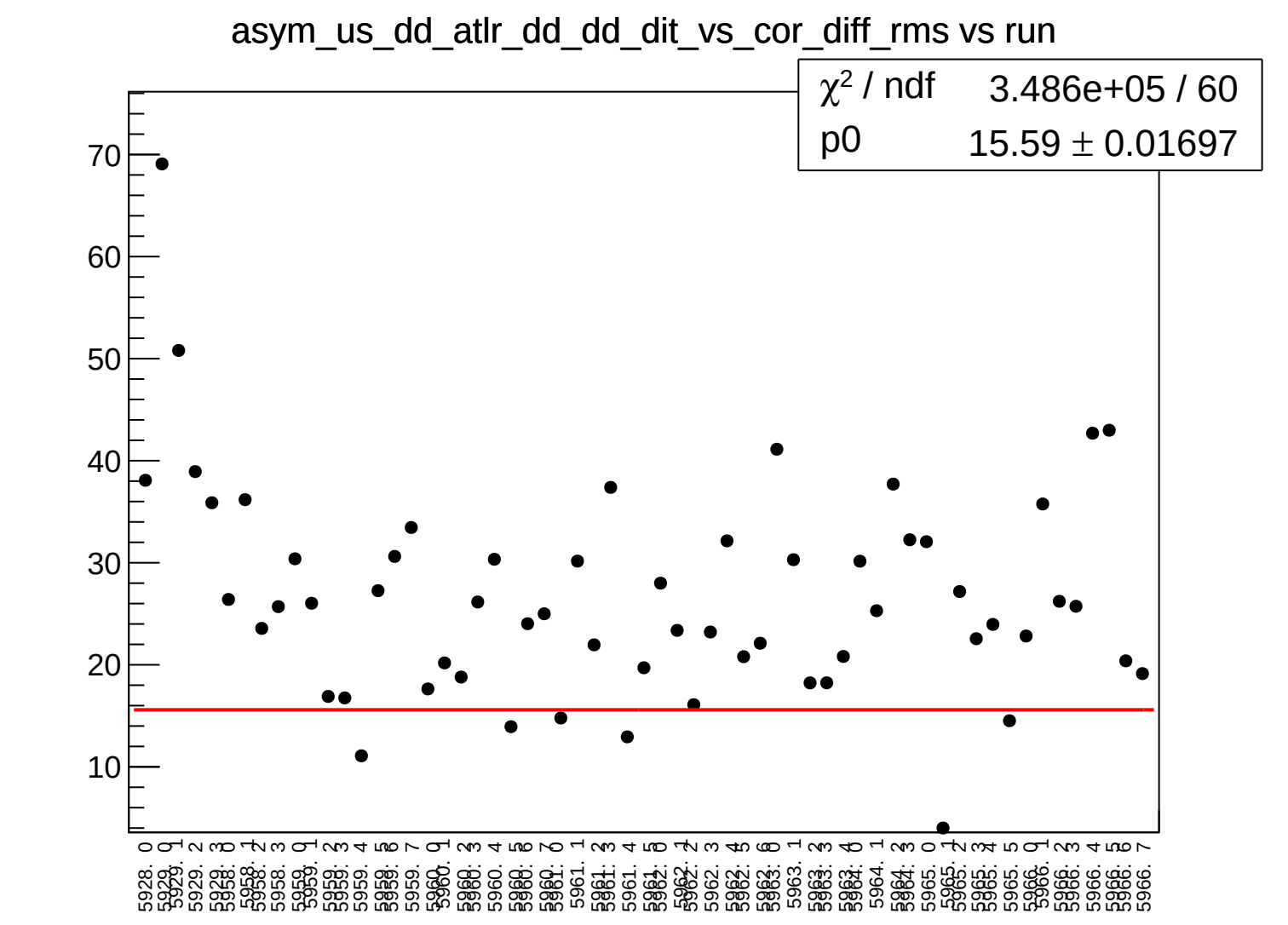

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 63.57 / 60
p0 5.709e−14 ± 4.944e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 61
Mean 32.49
Std Dev 23.92
3
2
1
0
−1
−2

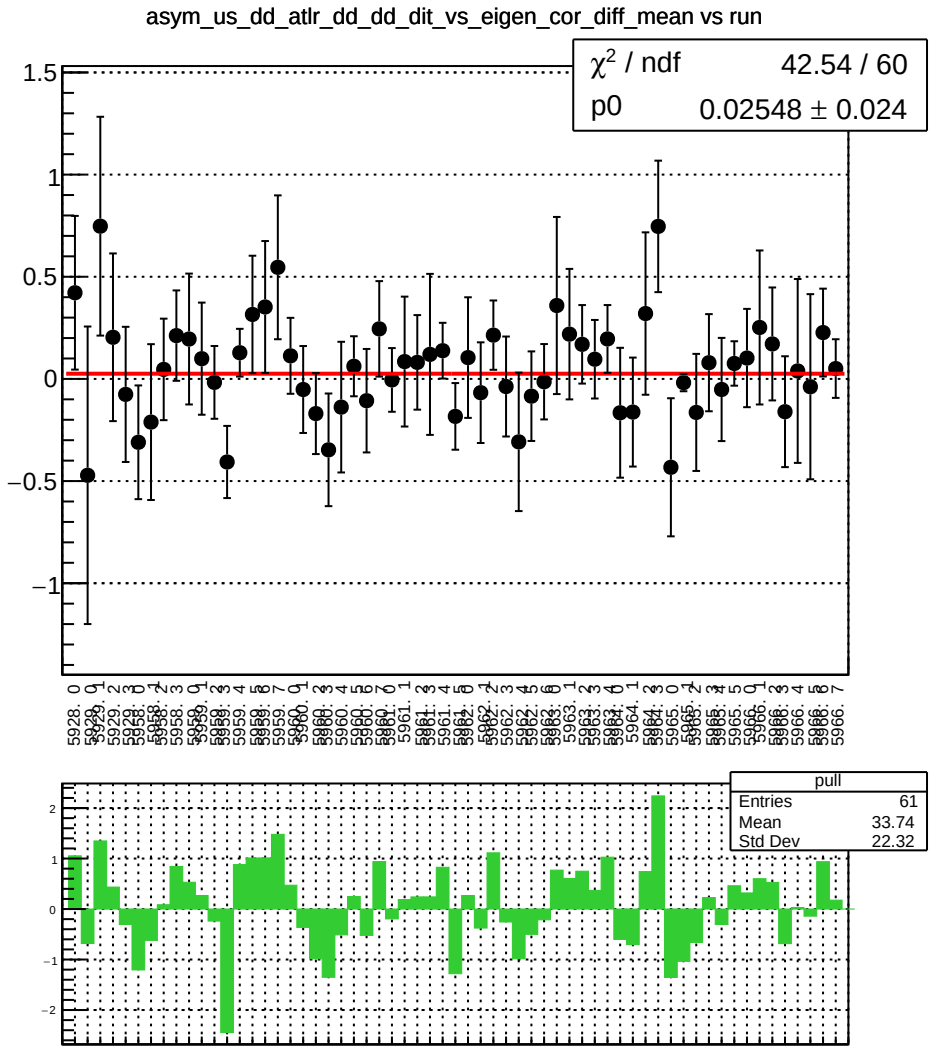

pull1D
Entries 61
Mean −0.04602
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

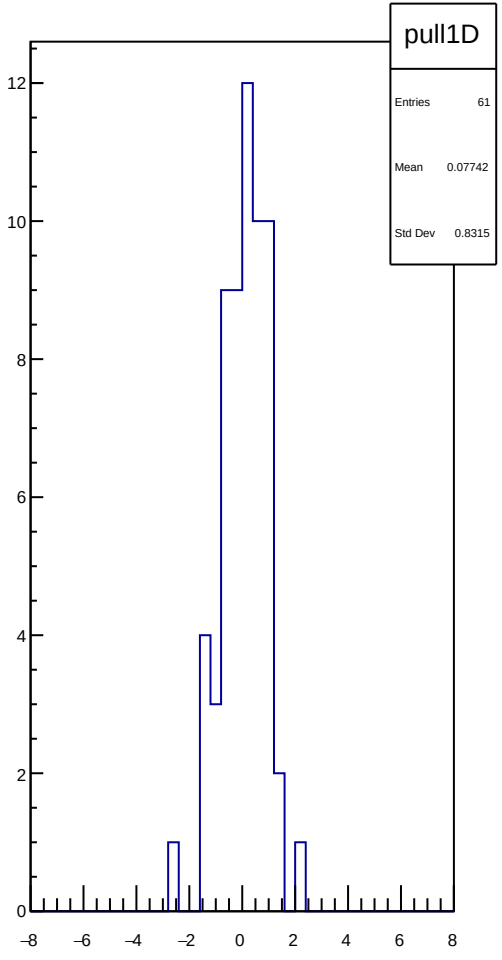

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.218e+05 / 60
p0 2.399e−11 ± 3.496e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

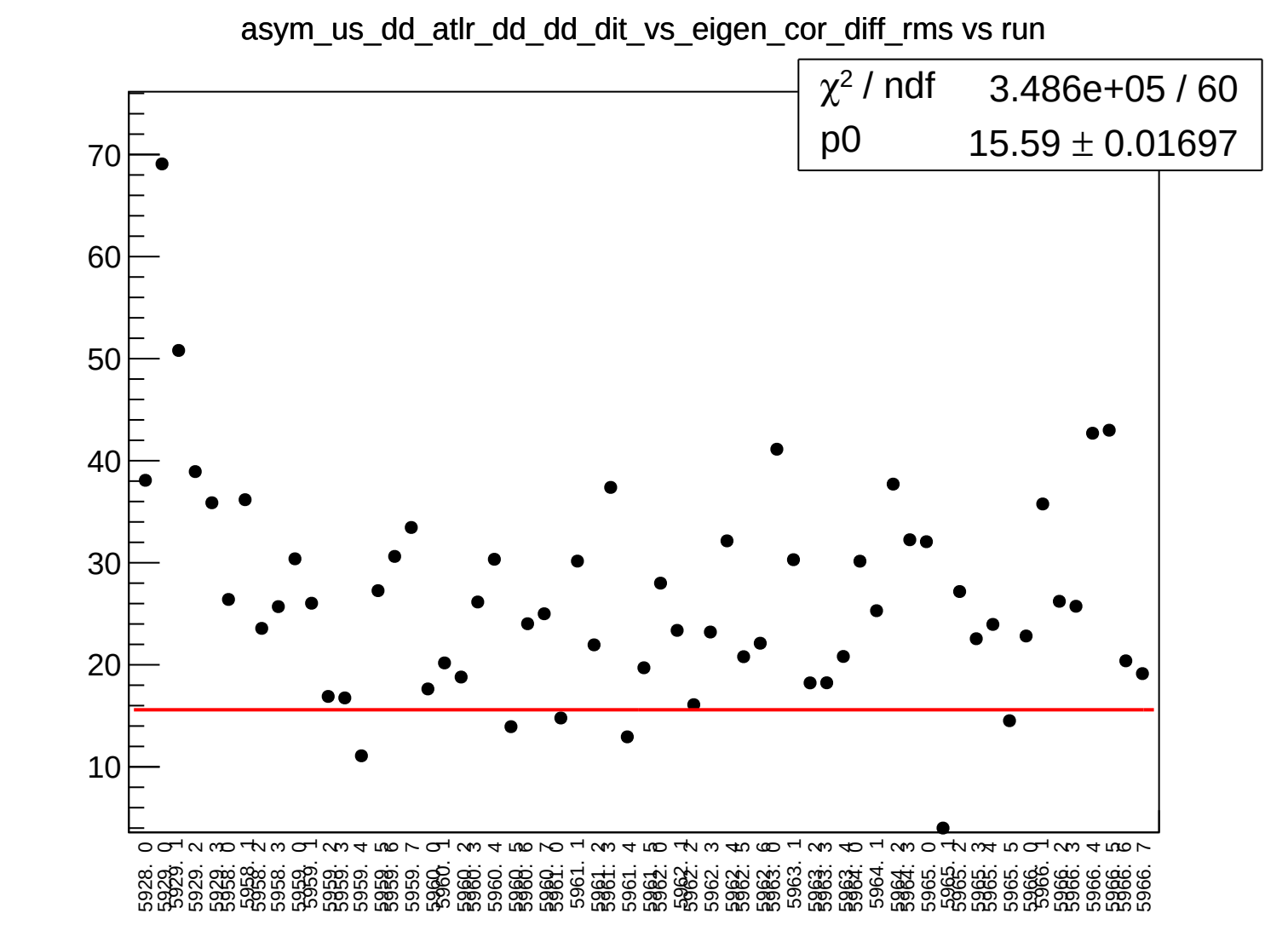

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.54 / 60
p0 0.02548 ± 0.024
pull
Entries 61
Mean 33.74
Std Dev 22.32

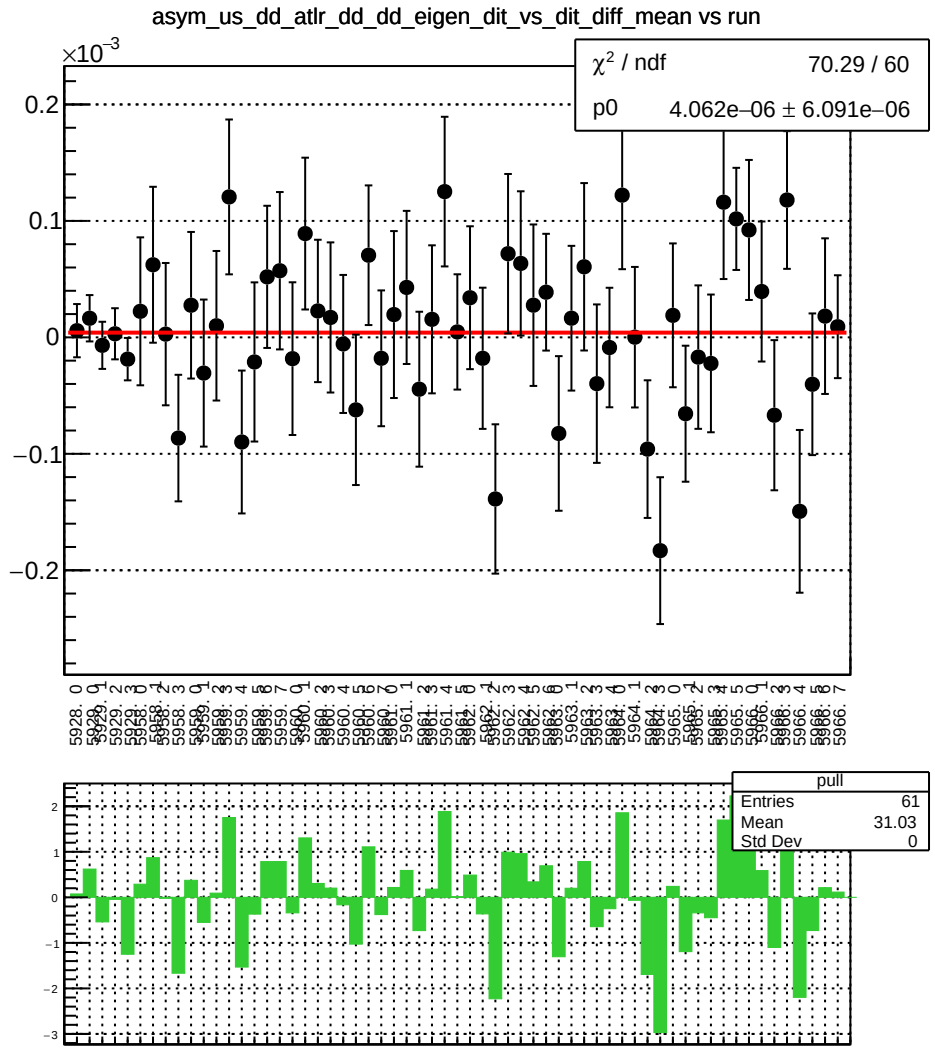

pull1D
Entries 61
Mean 0.07742
Std Dev 0.8315

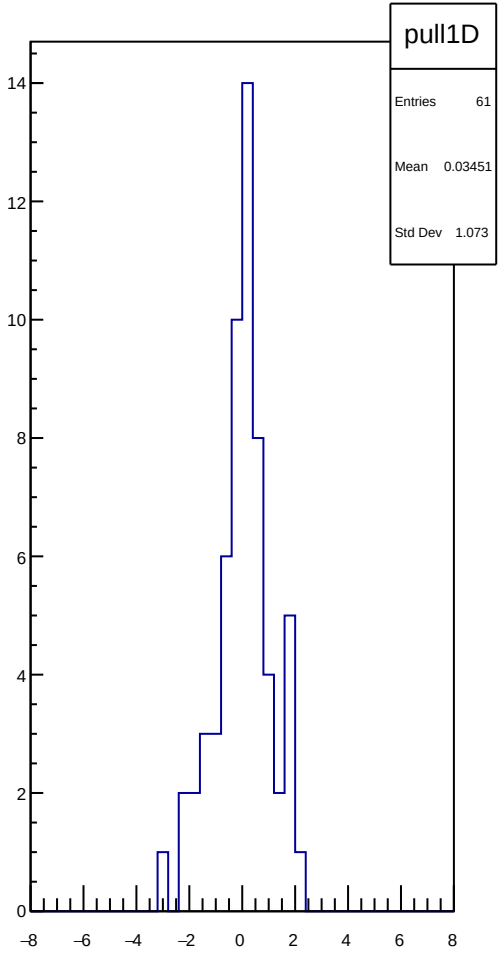

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.486e+05 / 60
p0 15.59 ± 0.01697
70
60
50
40
30
20
10

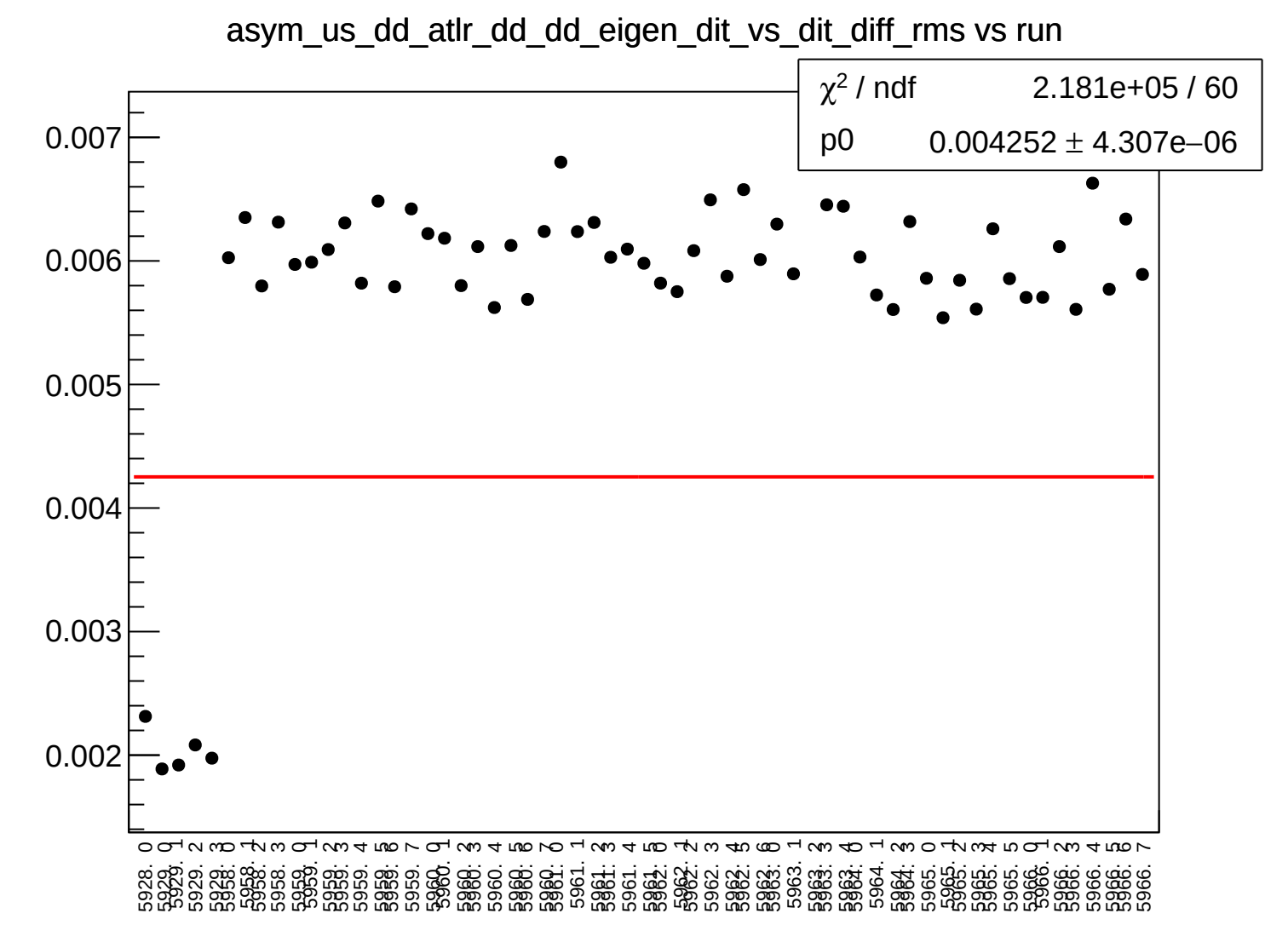

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.54 / 60
p0 0.02548 ± 0.024
pull
Entries 61
Mean 33.74
Std Dev 22.32

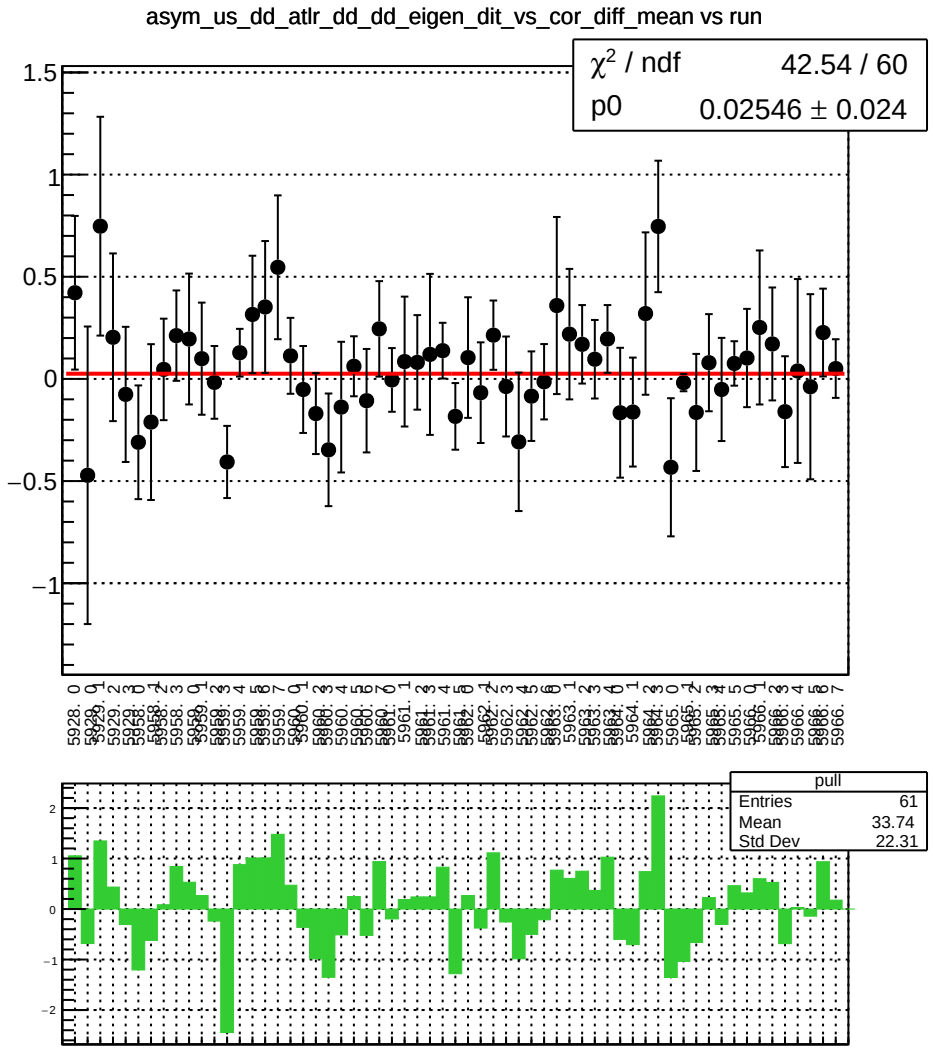

pull1D
Entries 61
Mean 0.07742
Std Dev 0.8315

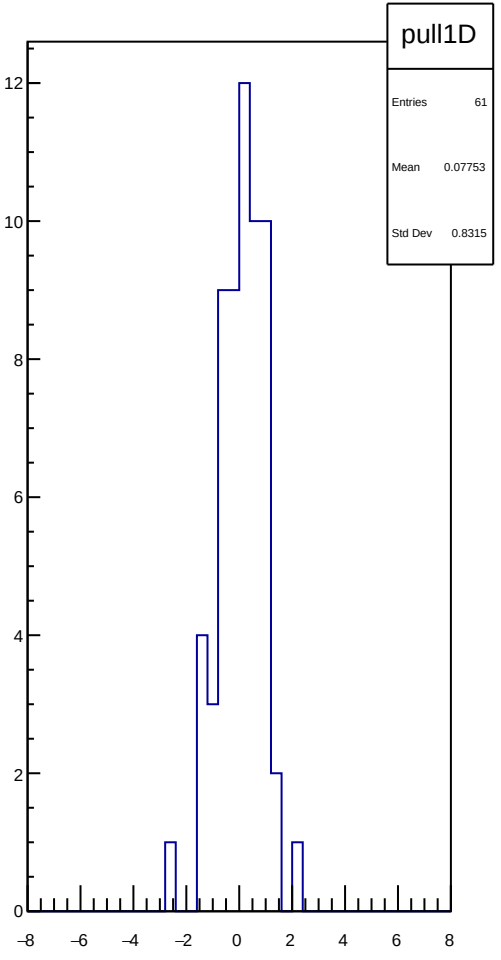

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.486e+05 / 60
p0 15.59 ± 0.01697
70
60
50
40
30
20
10

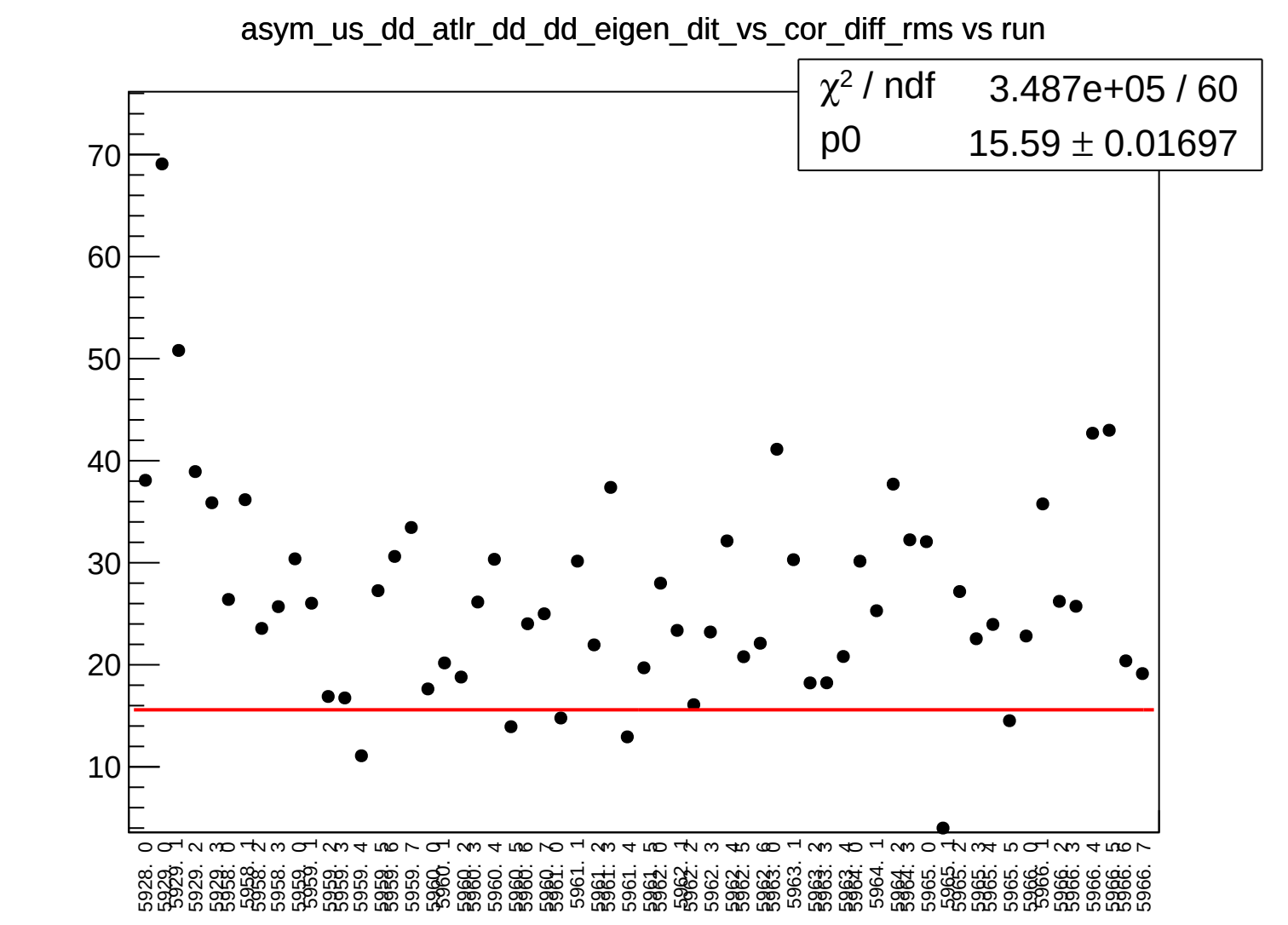

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.29 / 60
p0 4.062e−06 ± 6.091e−06
pull
Entries 61
Mean 31.03
Std Dev 0

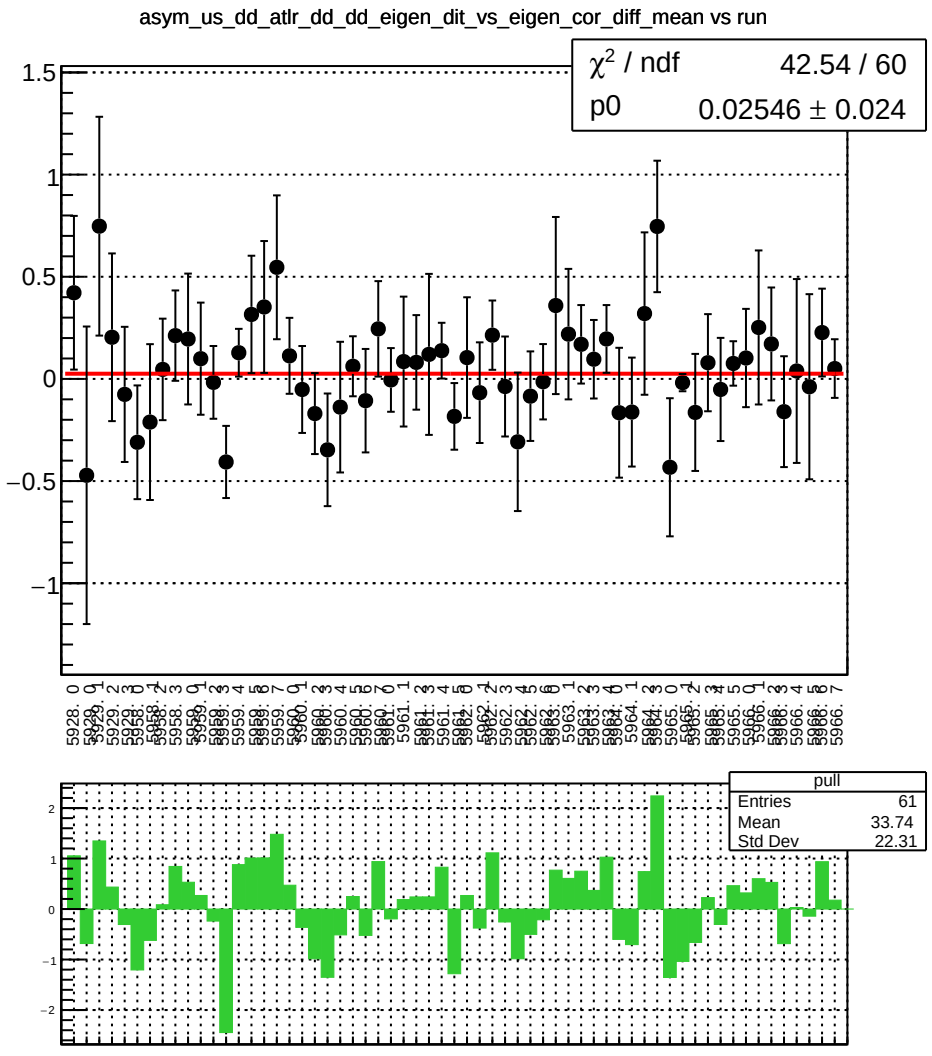

pull1D
Entries 61
Mean 0.03451
Std Dev 1.073

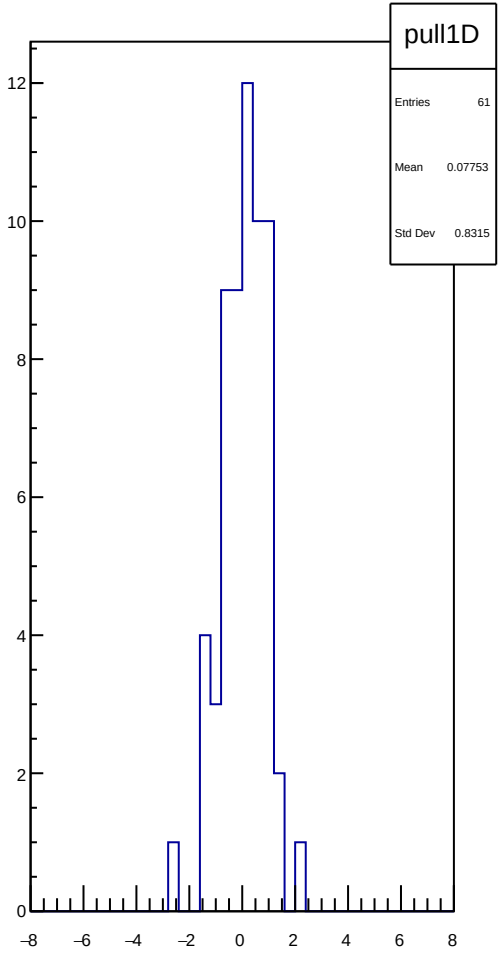

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.181e+05 / 60
p0 0.004252 ± 4.307e−06
0.007
0.006
0.005
0.004
0.003
0.002

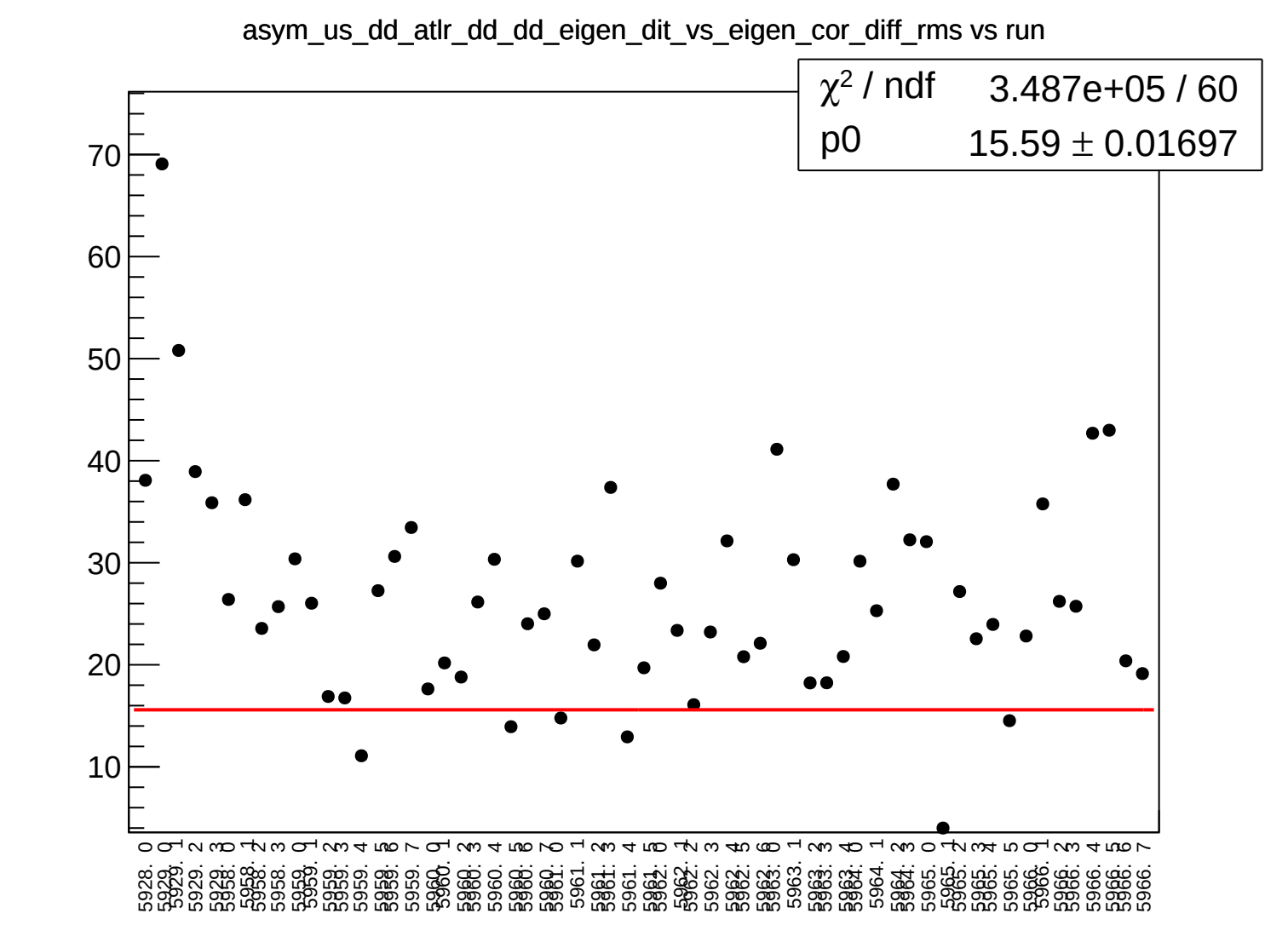

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.54 / 60
p0 0.02546 ± 0.024
pull
Entries 61
Mean 33.74
Std Dev 22.31

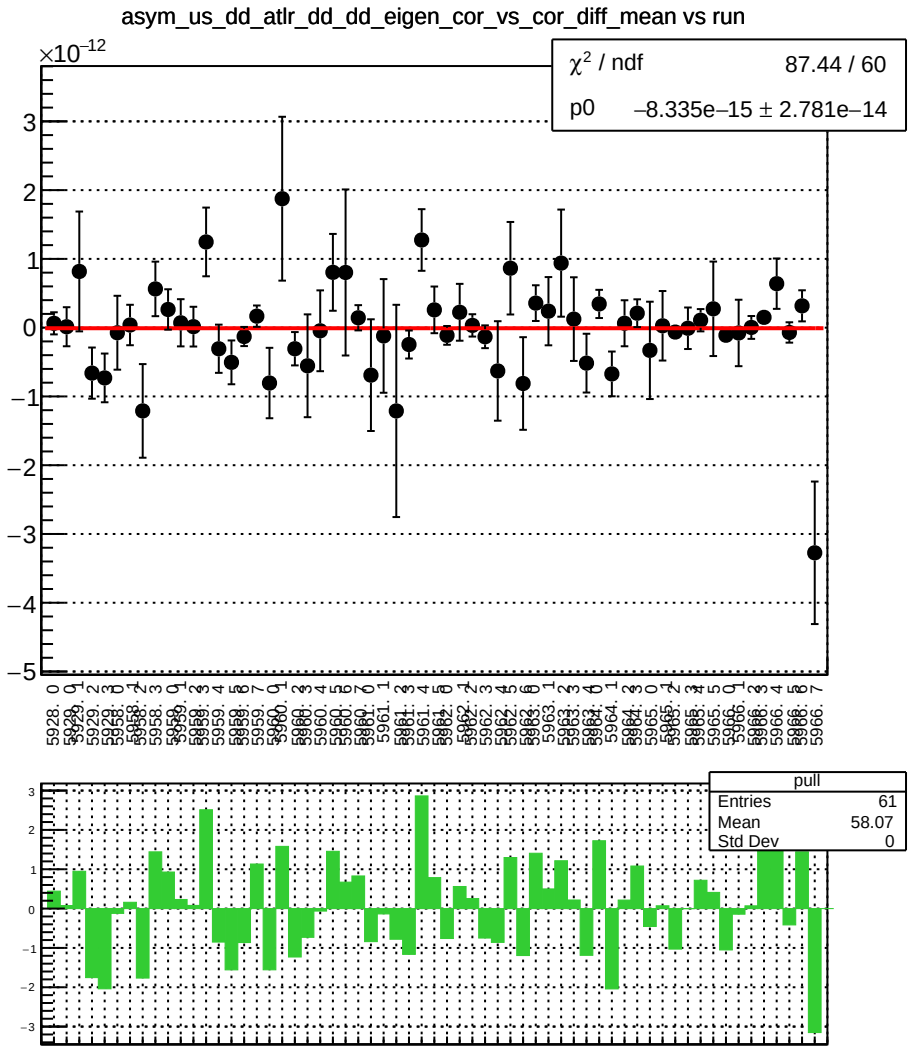

pull1D
Entries 61
Mean 0.07753
Std Dev 0.8315

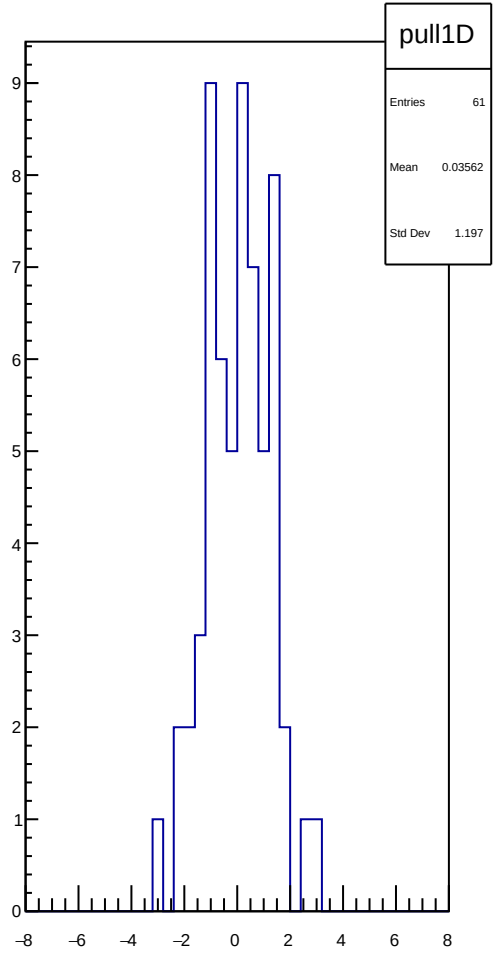

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.487e+05 / 60
p0 15.59 ± 0.01697
70
60
50
40
30
20
10

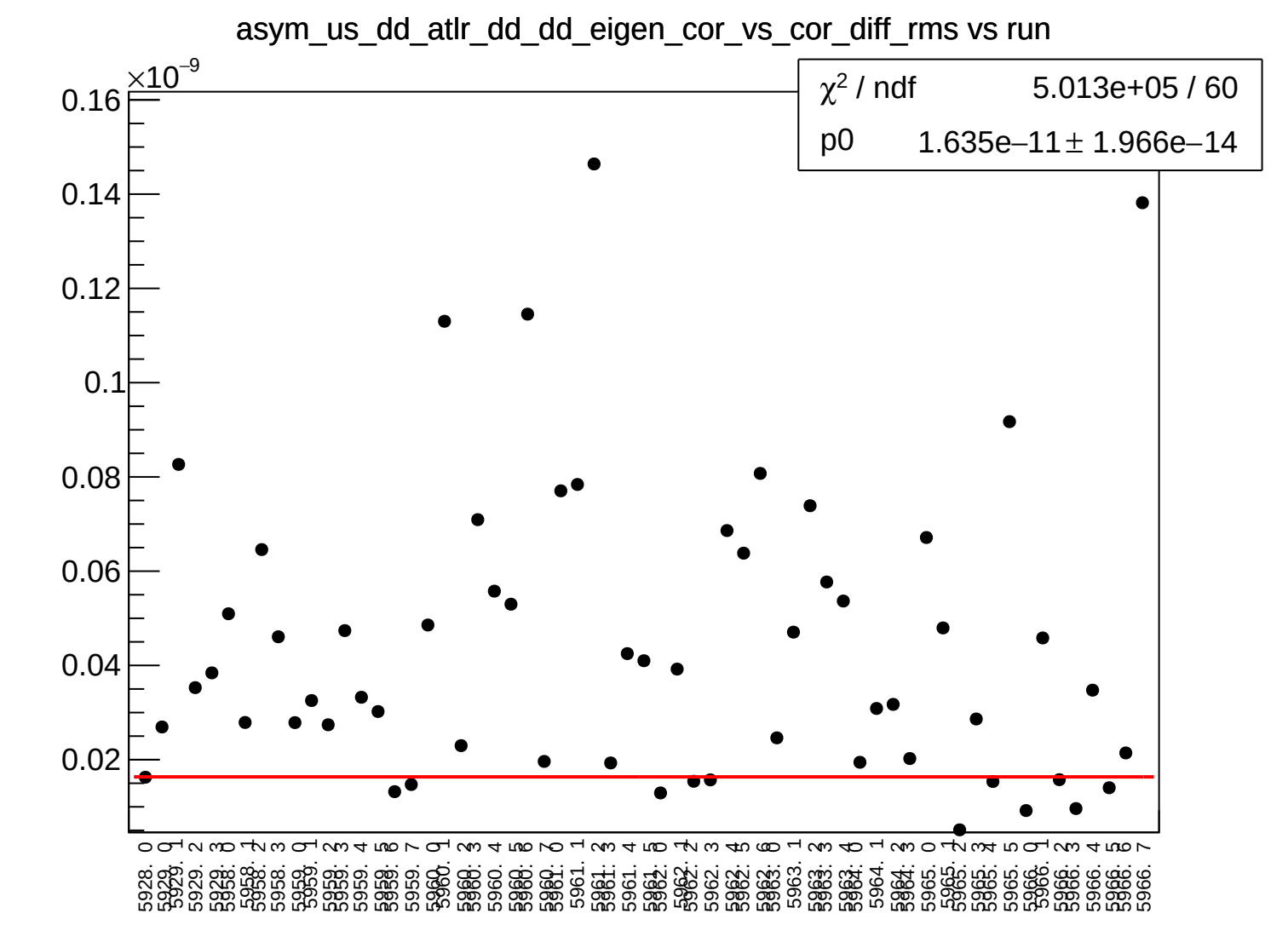

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.54 / 60
p0 0.02546 ± 0.024
pull
Entries 61
Mean 33.74
Std Dev 22.31

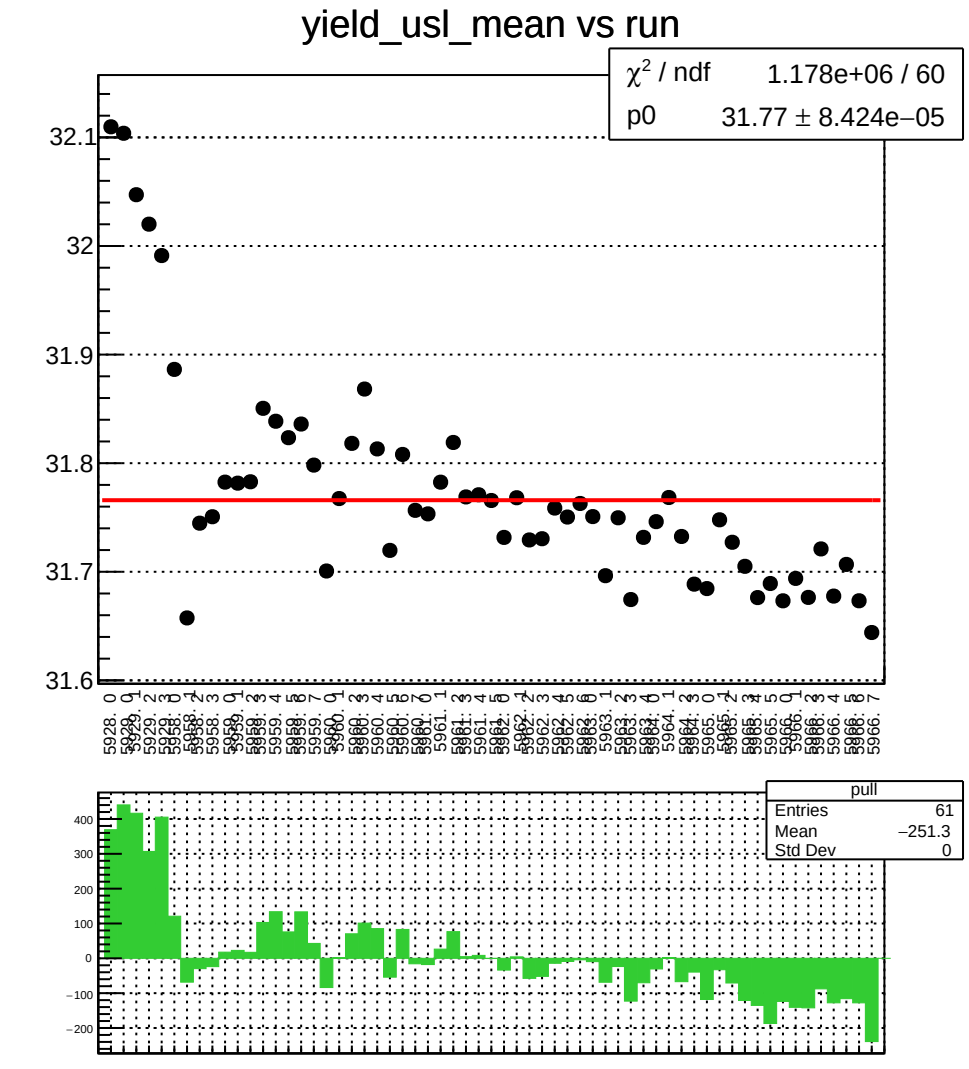

pull1D
Entries 61
Mean 0.07753
Std Dev 0.8315

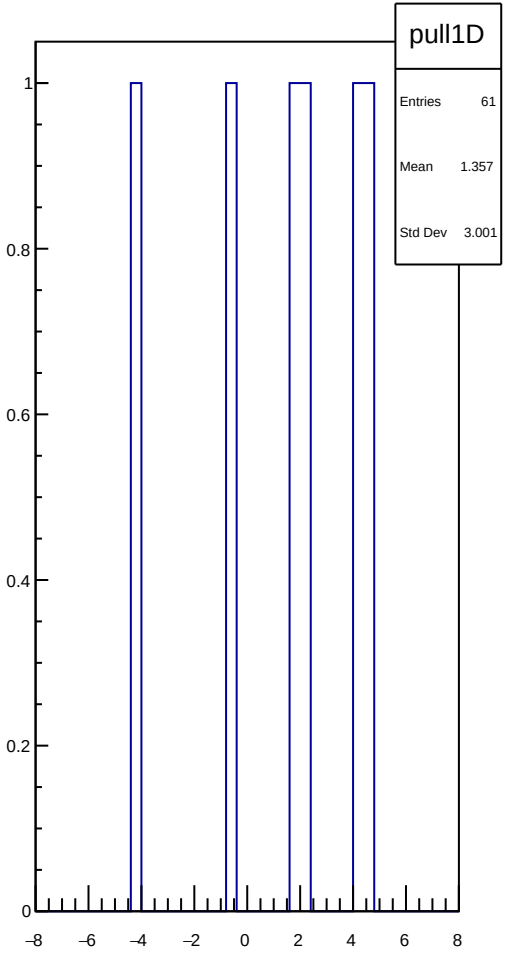

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.487e+05 / 60
p0 15.59 ± 0.01697
70
60
50
40
30
20
10

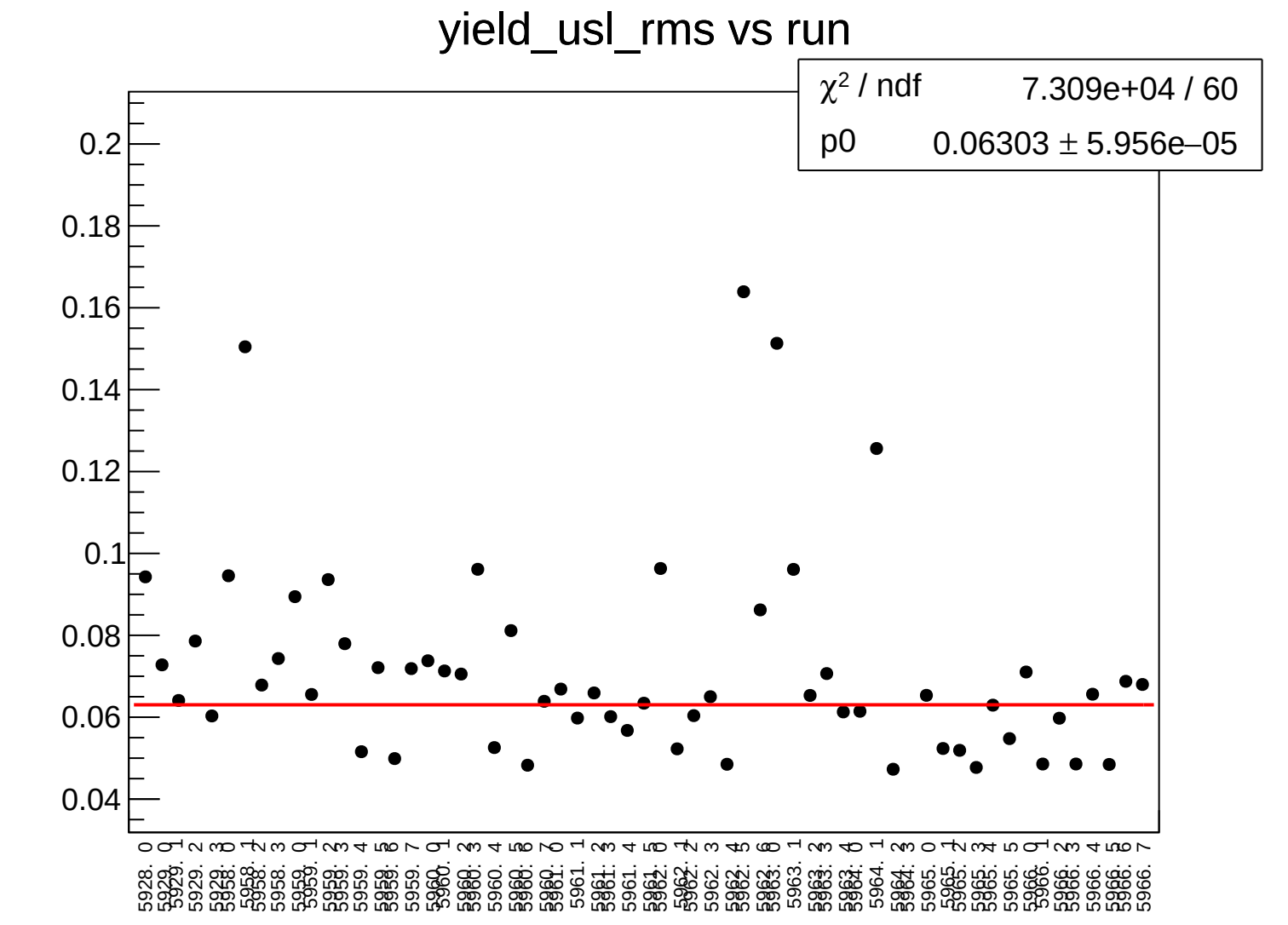

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.44 / 60
p0 −8.335e−15 ± 2.781e−14
pull
Entries 61
Mean 58.07
Std Dev 0

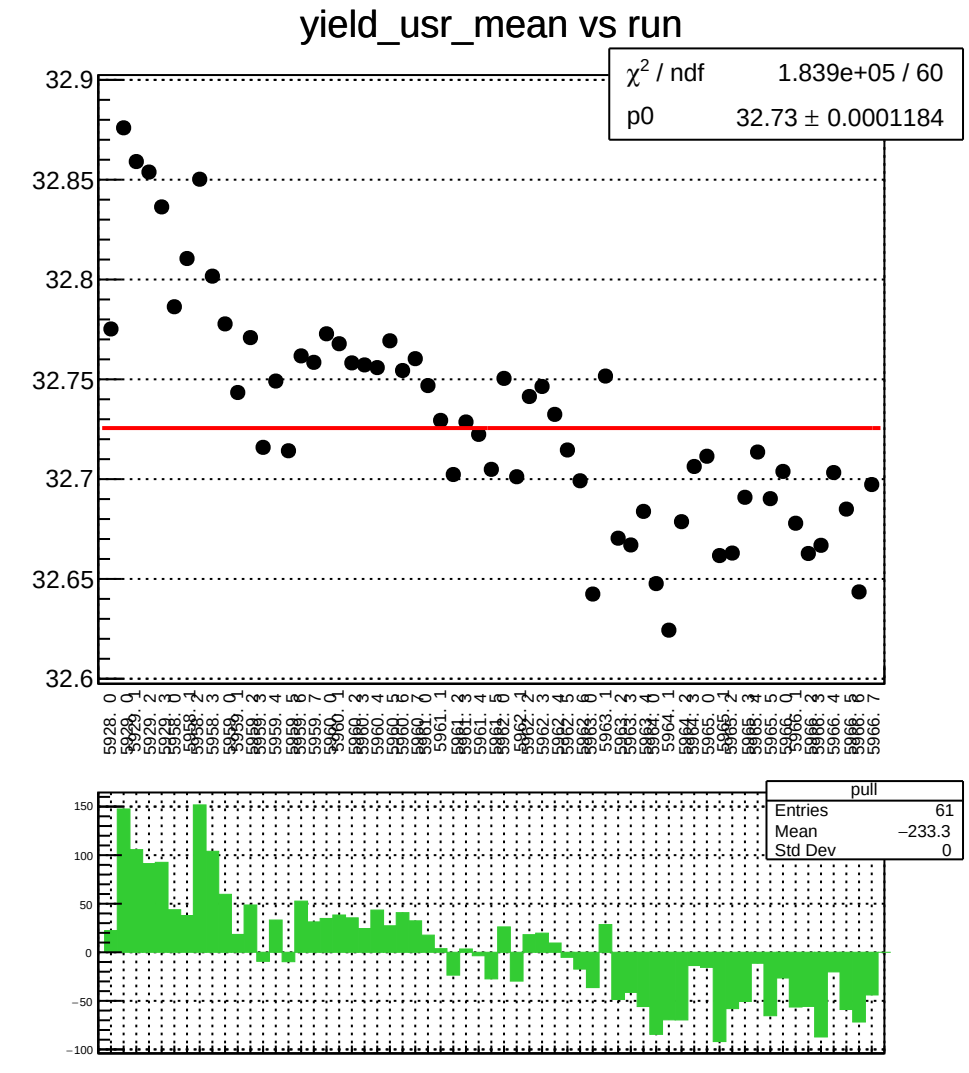

pull1D
Entries 61
Mean 0.03562
Std Dev 1.197

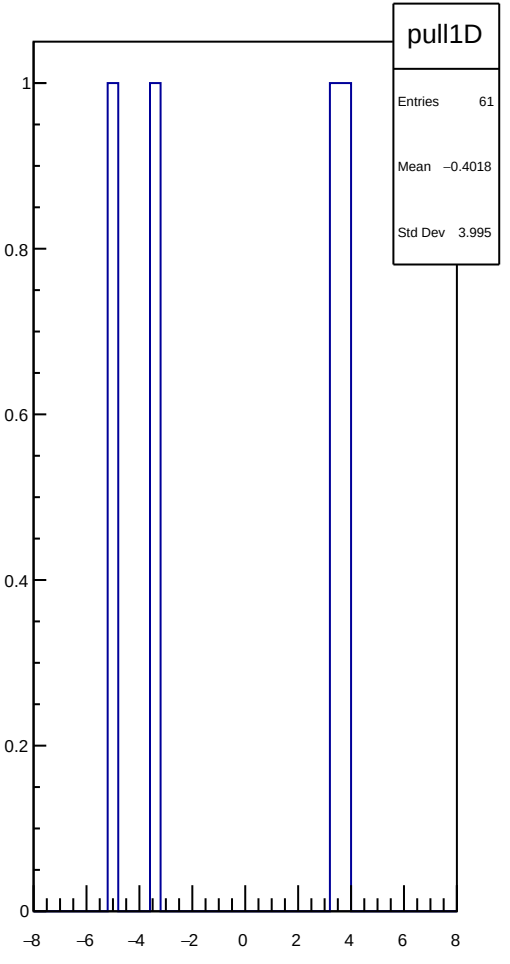

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.013e+05 / 60
p0 1.635e−11 ± 1.966e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

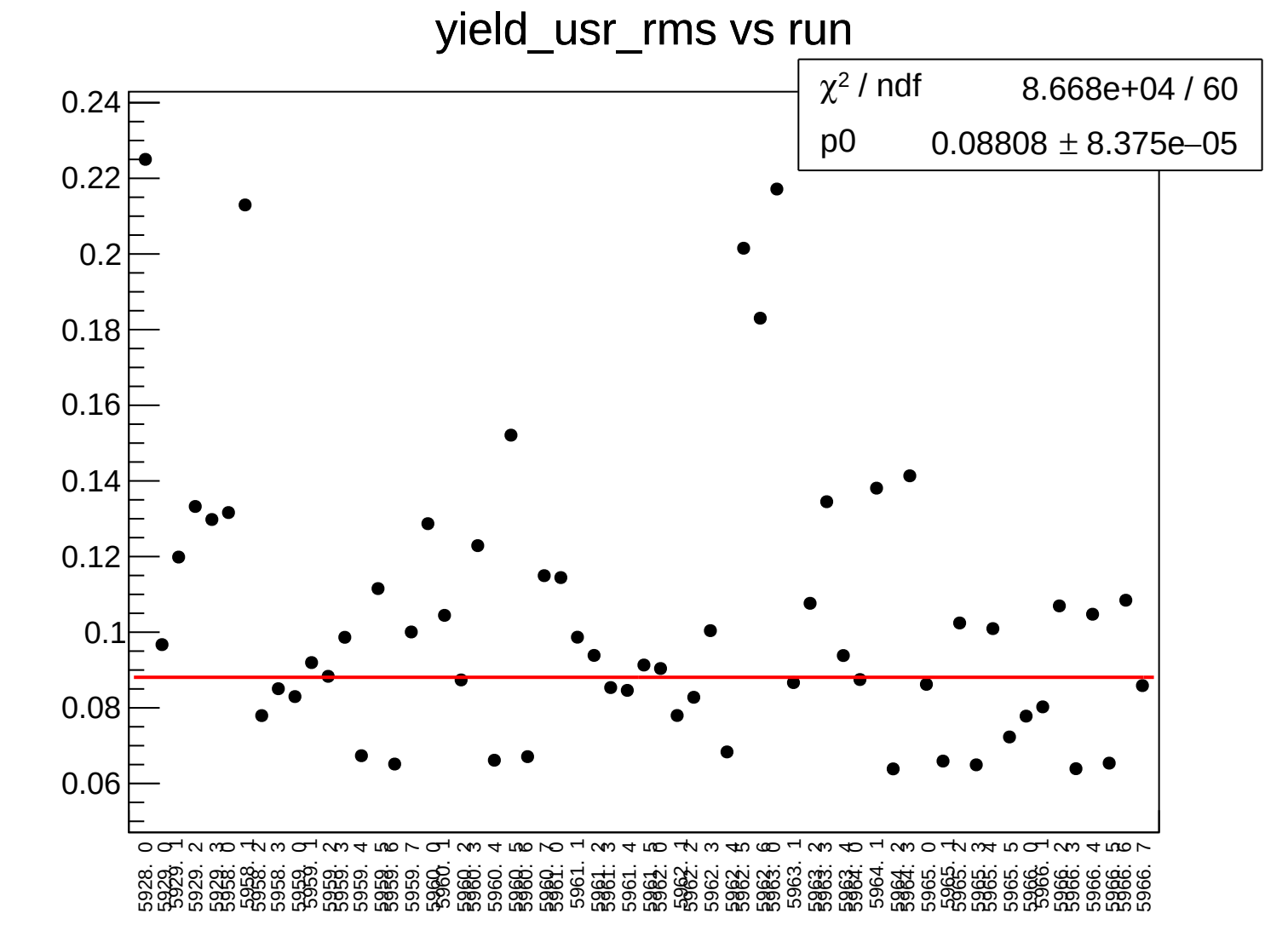

yield_usl_mean vs run
χ² / ndf 1.178e+06 / 60
p0 31.77 ± 8.424e−05
32.1
32
31.9
31.8
31.7
31.6
pull
Entries 61
Mean −251.3
Std Dev 0
400
300
200
100
0
−100
−200

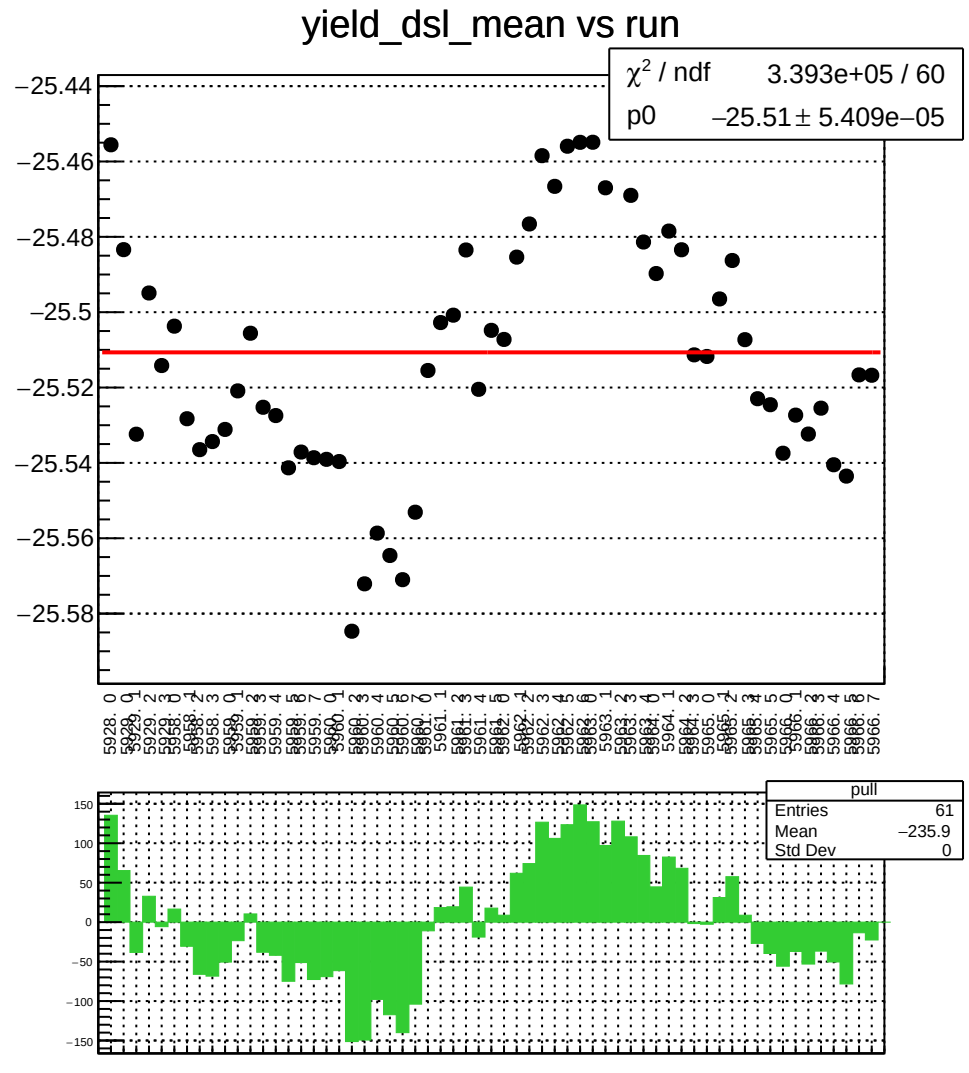

pull1D
Entries 61
Mean 1.357
Std Dev 3.001
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

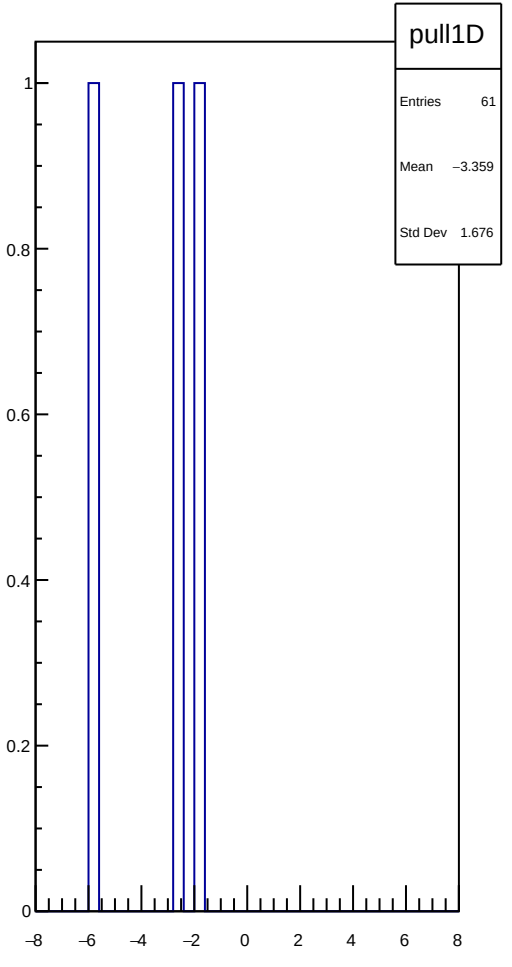

yield_usl_rms vs run
χ² / ndf 7.309e+04 / 60
p0 0.06303 ± 5.956e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

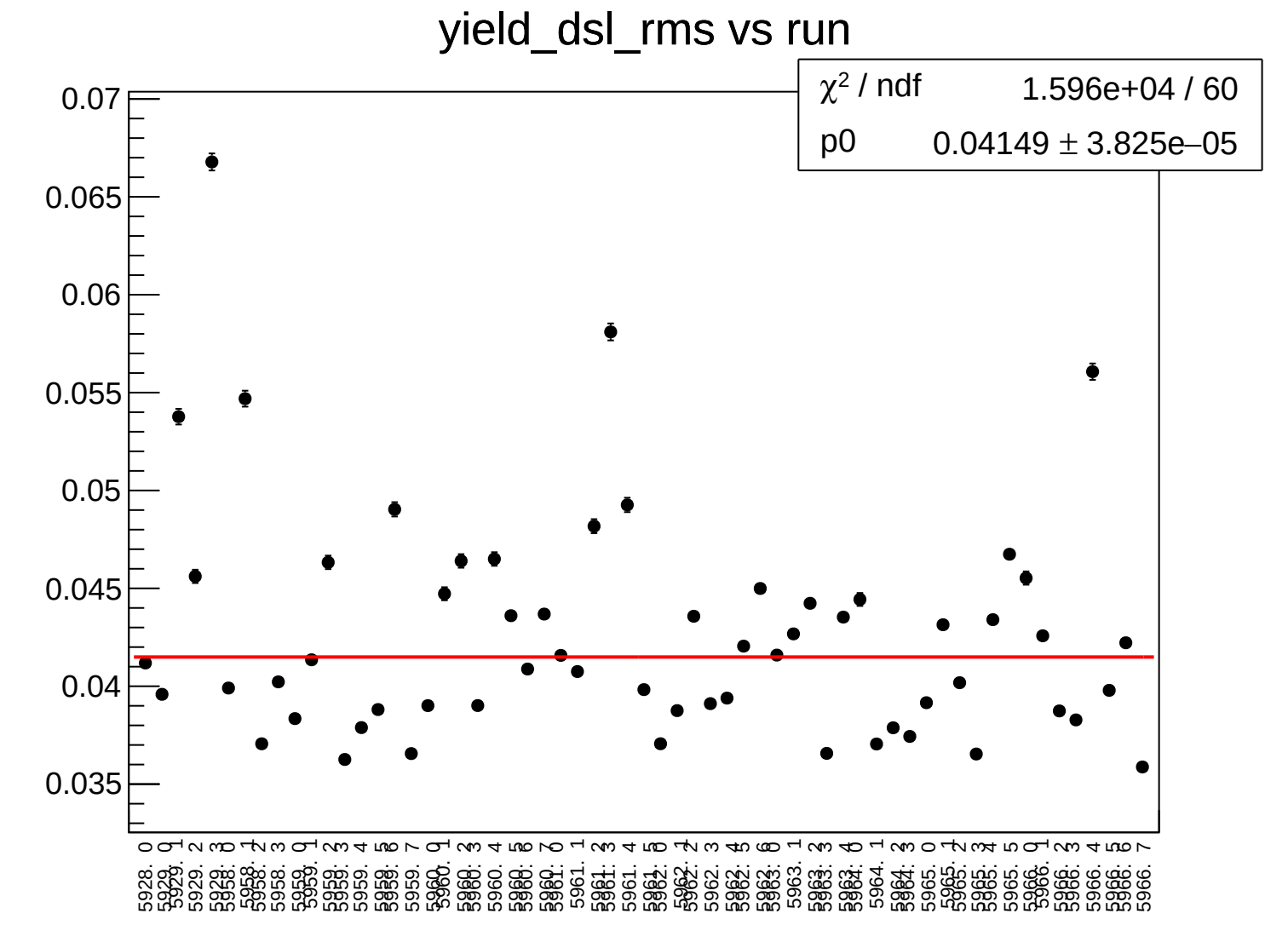

yield_usr_mean vs run
χ² / ndf 1.839e+05 / 60
p0 32.73 ± 0.0001184
32.9
32.85
32.8
32.75
32.7
32.65
32.6
pull
Entries 61
Mean −233.3
Std Dev 0
150
100
50
0
−50
−100

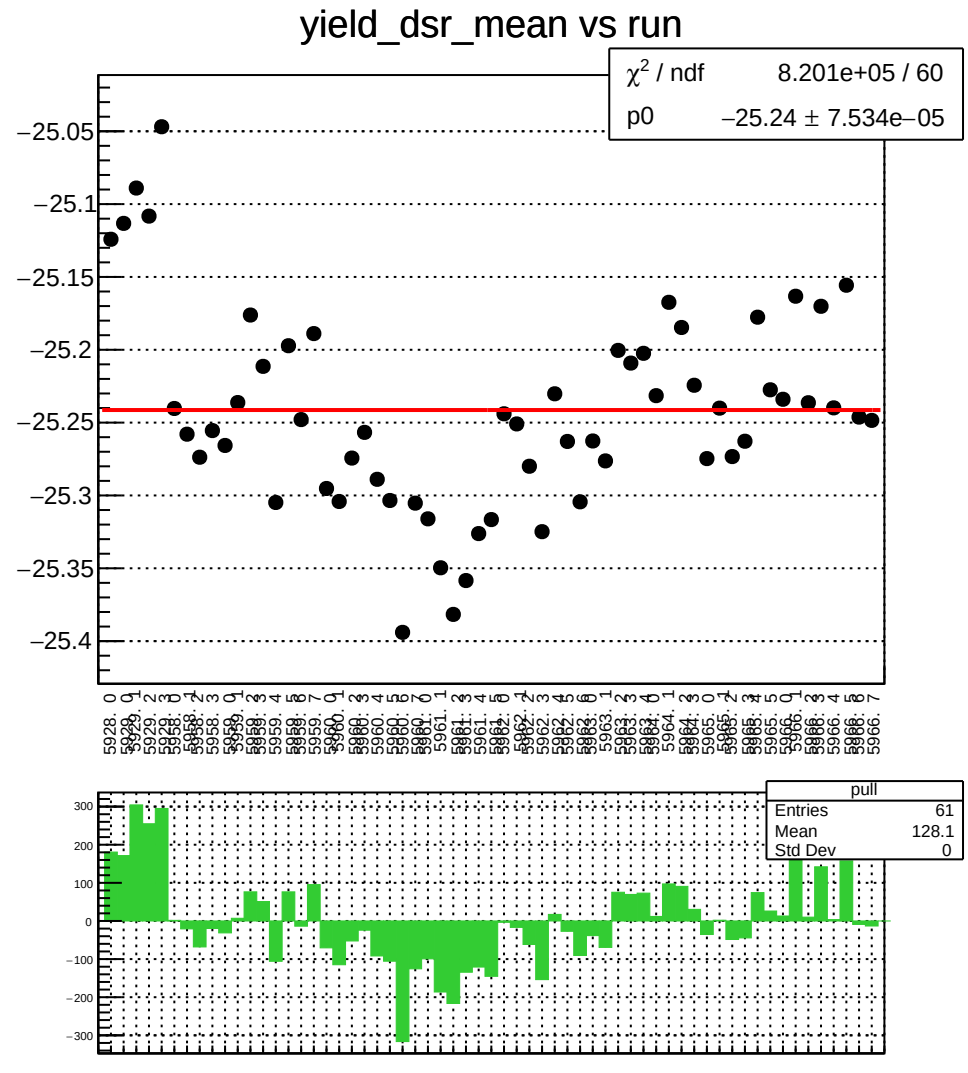

pull1D
Entries 61
Mean −0.4018
Std Dev 3.995
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

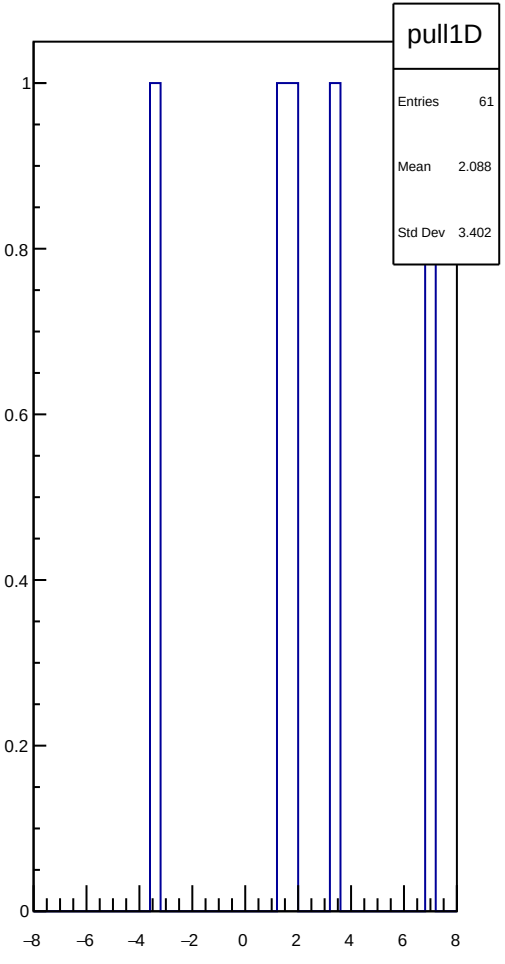

yield_usr_rms vs run
χ² / ndf 8.668e+04 / 60
p0 0.08808 ± 8.375e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

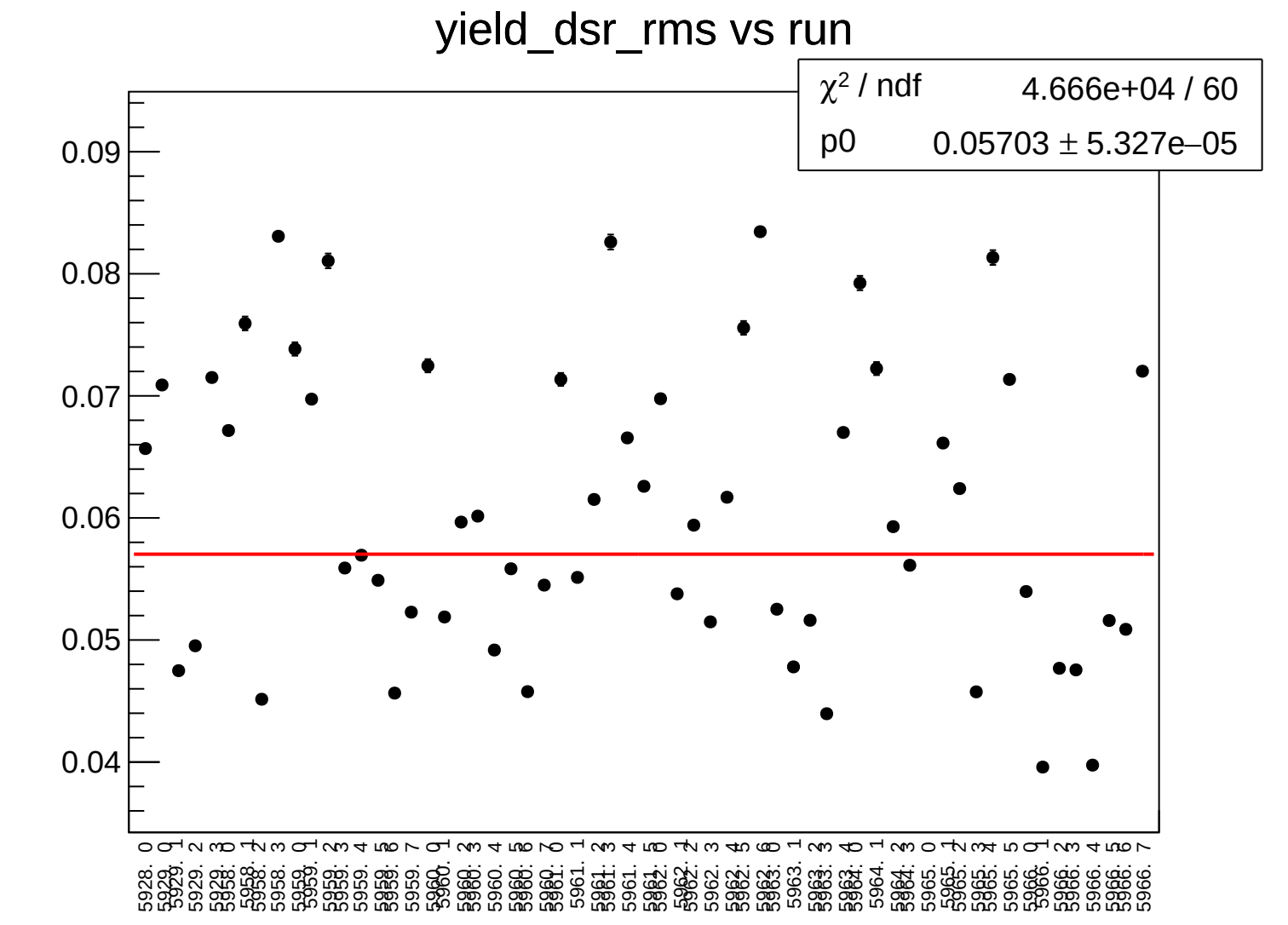

yield_dsl_mean vs run
χ² / ndf 3.393e+05 / 60
p0 −25.51 ± 5.409e−05
−25.44
−25.46
−25.48
−25.5
−25.52
−25.54
−25.56
−25.58
pull
Entries 61
Mean −235.9
Std Dev 0
150
100
50
0
−50
−100
−150

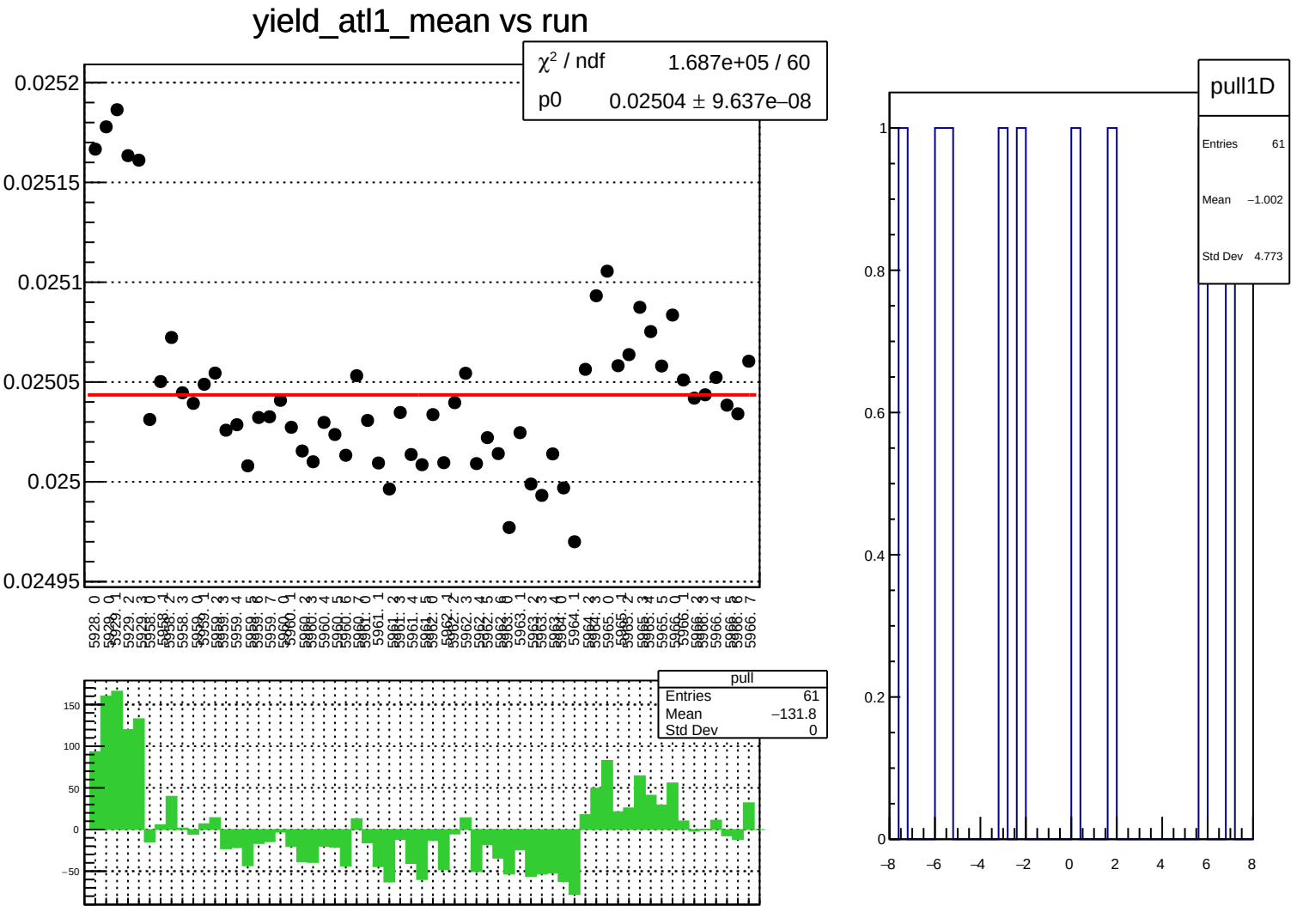

pull1D
Entries 61
Mean −3.359
Std Dev 1.676
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

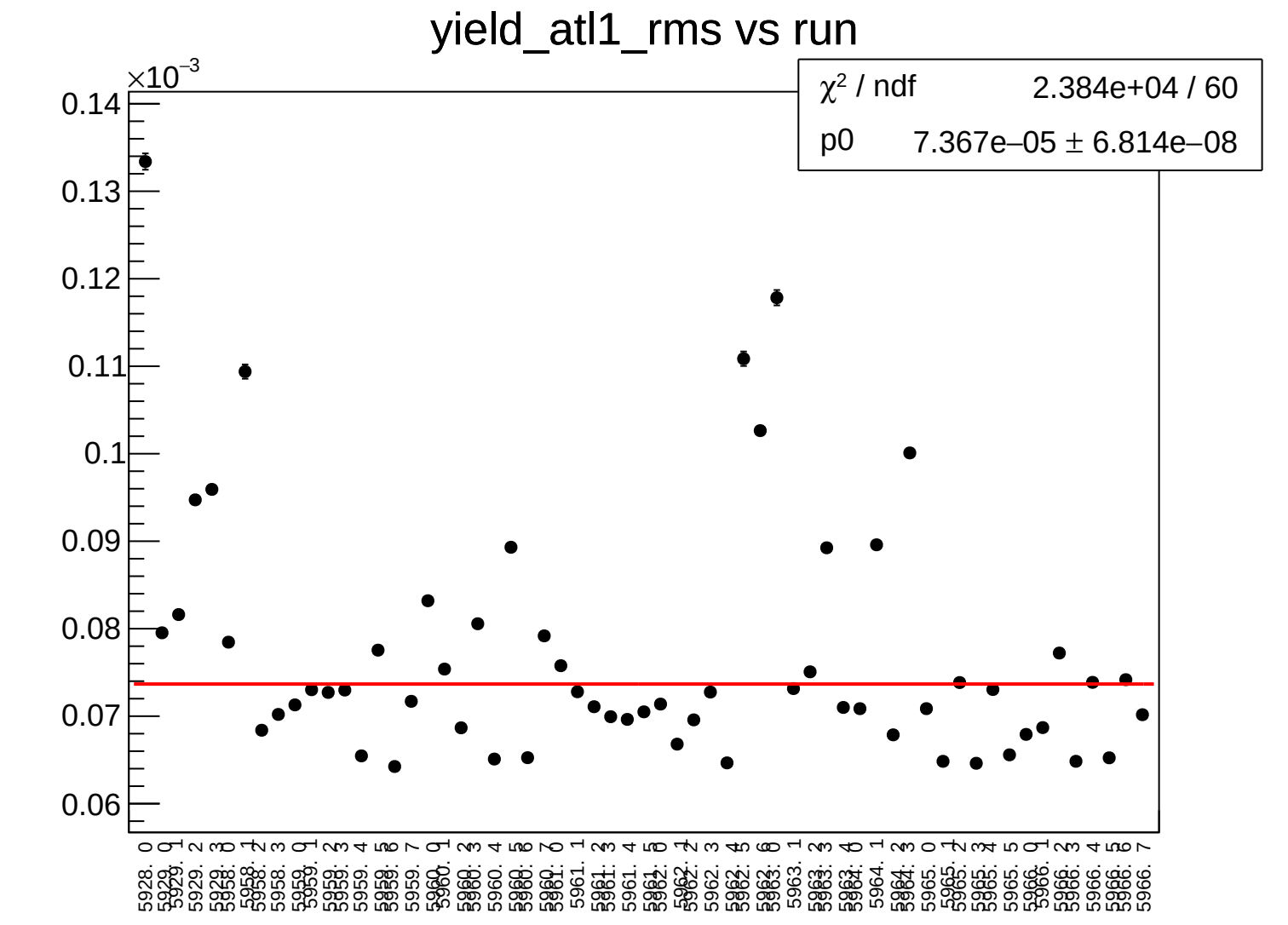

yield_dsl_rms vs run
χ² / ndf 1.596e+04 / 60
p0 0.04149 ± 3.825e−05
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

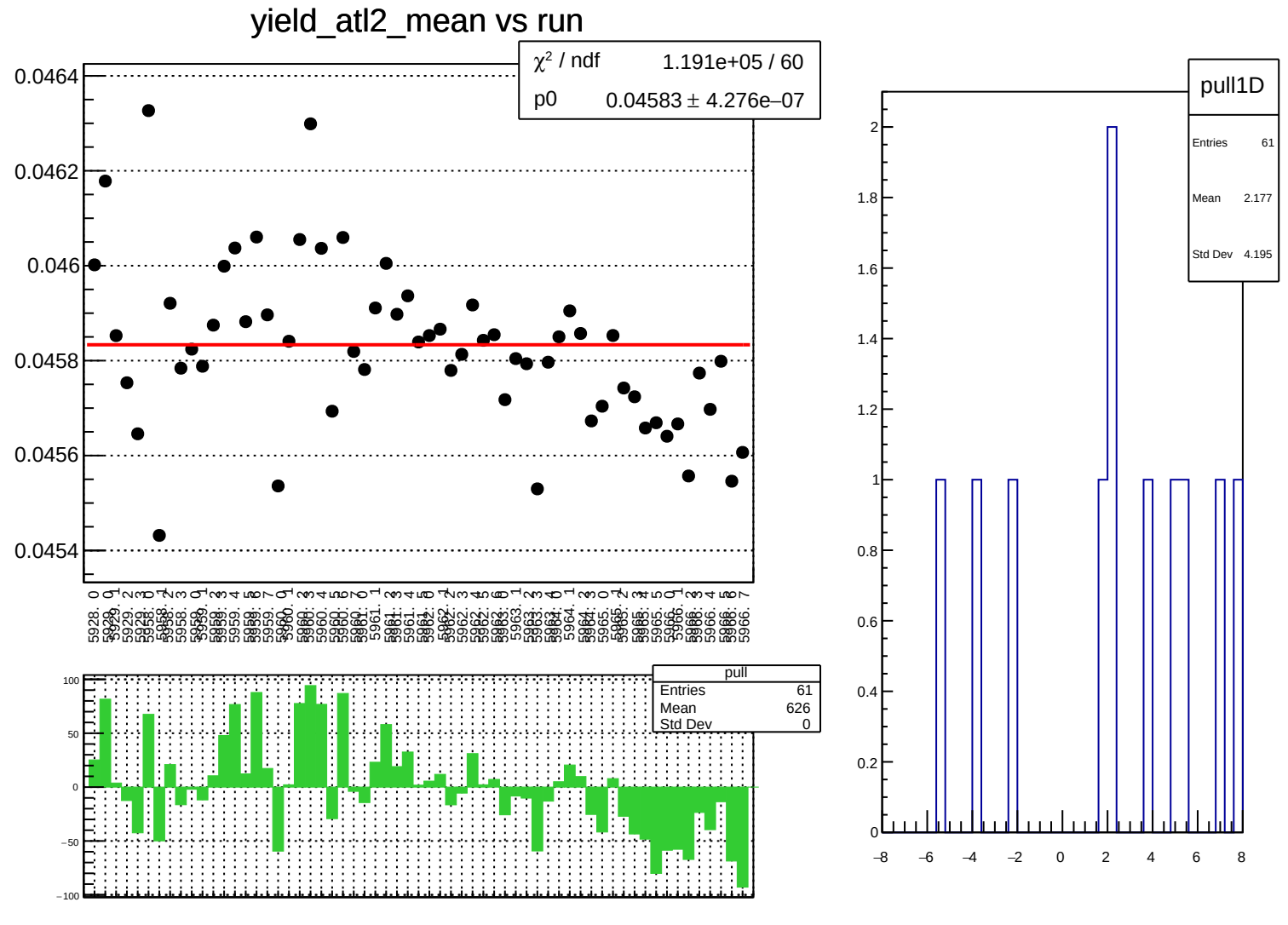

yield_dsr_mean vs run
χ² / ndf 8.201e+05 / 60
p0 −25.24 ± 7.534e−05
−25.05
−25.1
−25.15
−25.2
−25.25
−25.3
−25.35
−25.4
pull
Entries 61
Mean 128.1
Std Dev 0
300
200
100
0
−100
−200
−300

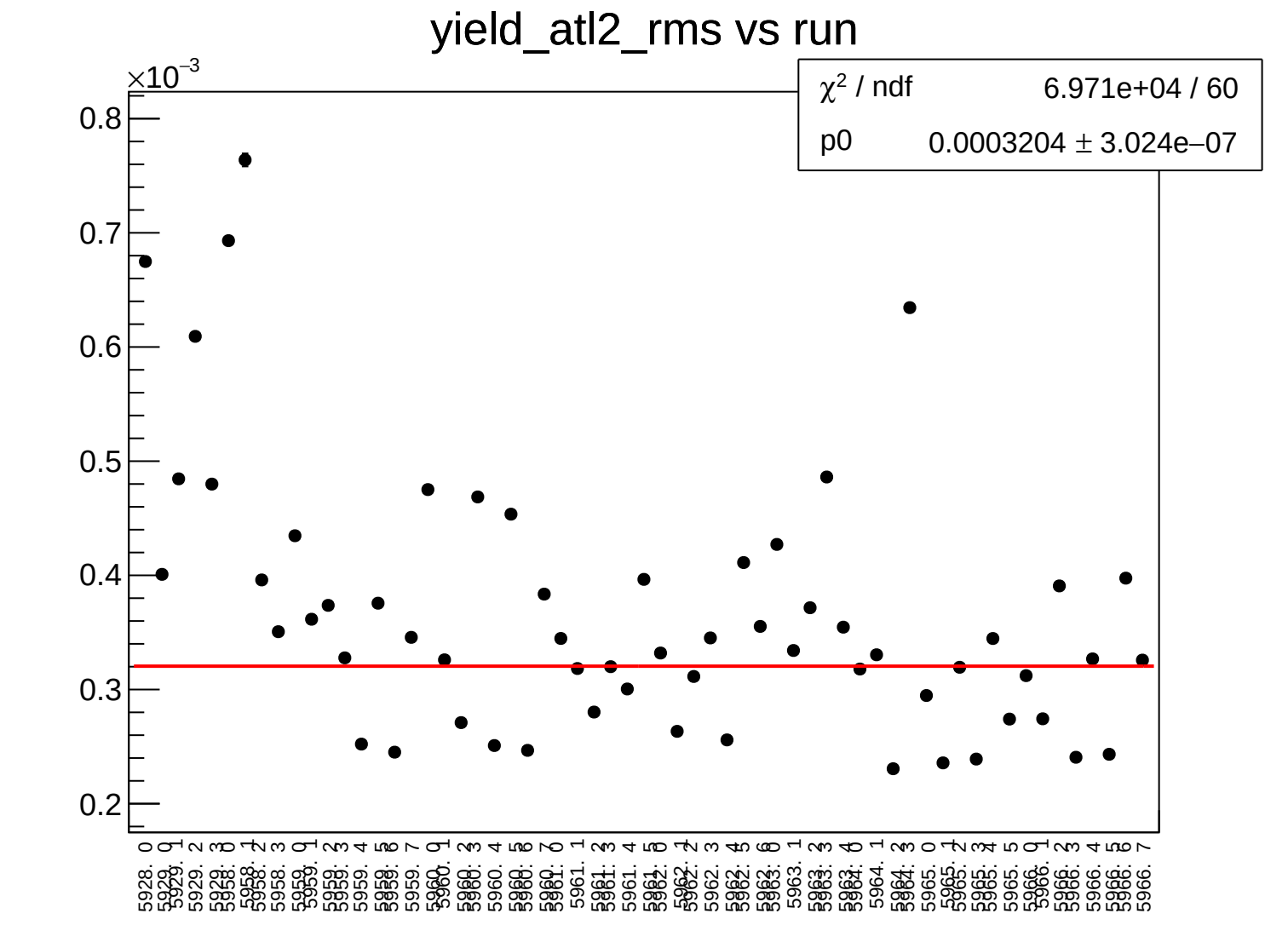

pull1D
Entries 61
Mean 2.088
Std Dev 3.402
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

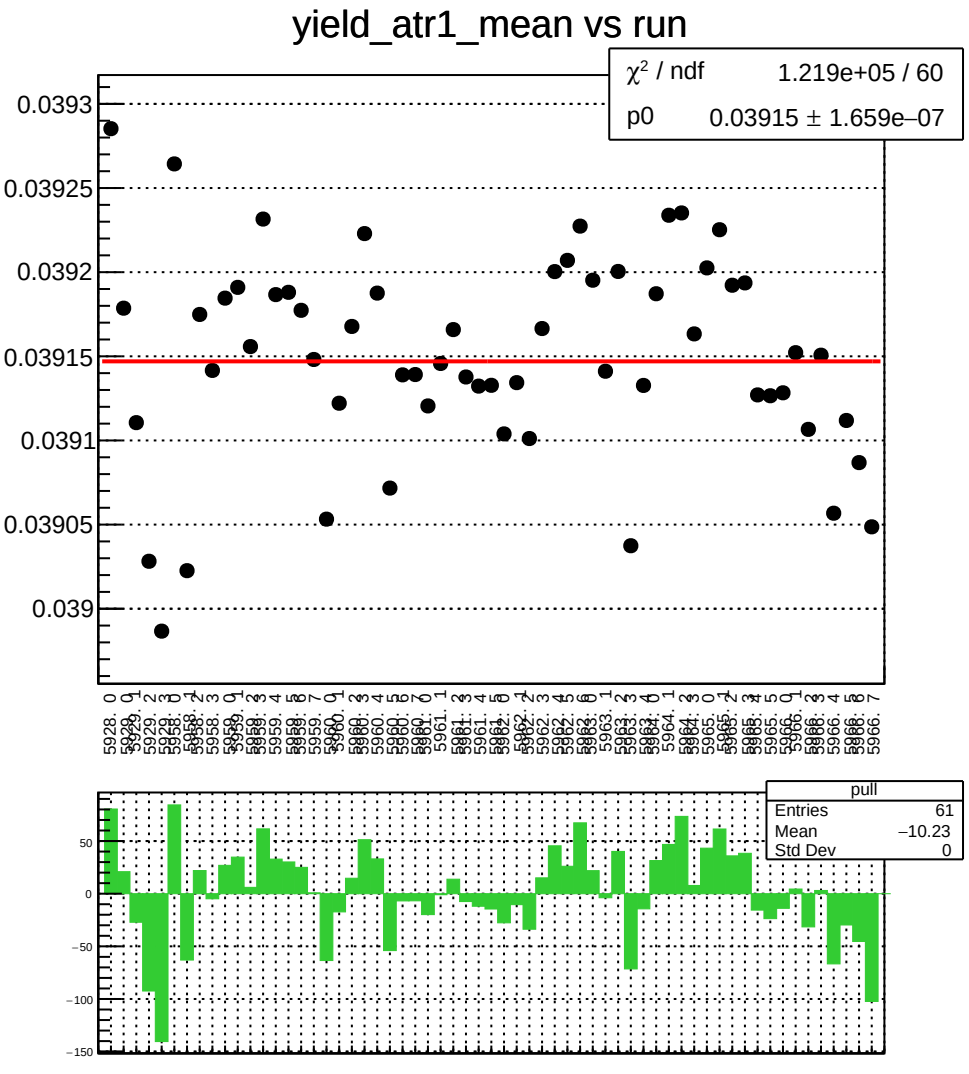

yield_dsr_rms vs run
χ² / ndf 4.666e+04 / 60
p0 0.05703 ± 5.327e−05
0.09
0.08
0.07
0.06
0.05
0.04

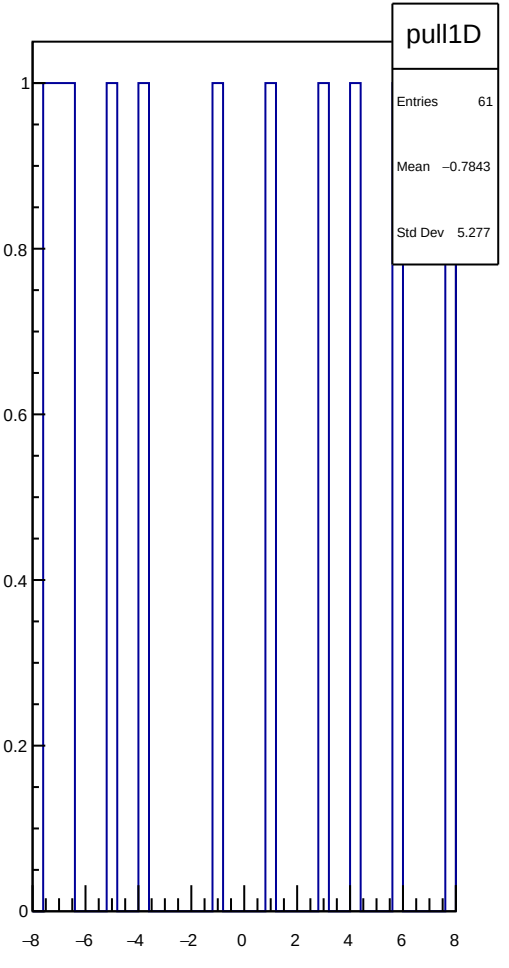

yield_atl1_mean vs run
χ² / ndf 1.687e+05 / 60
p0 0.02504 ± 9.637e−08
0.0252
0.02515
0.0251
0.02505
0.025
0.02495
pull
Entries 61
Mean −131.8
Std Dev 0
150
100
50
0
−50
pull1D
Entries 61
Mean −1.002
Std Dev 4.773
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

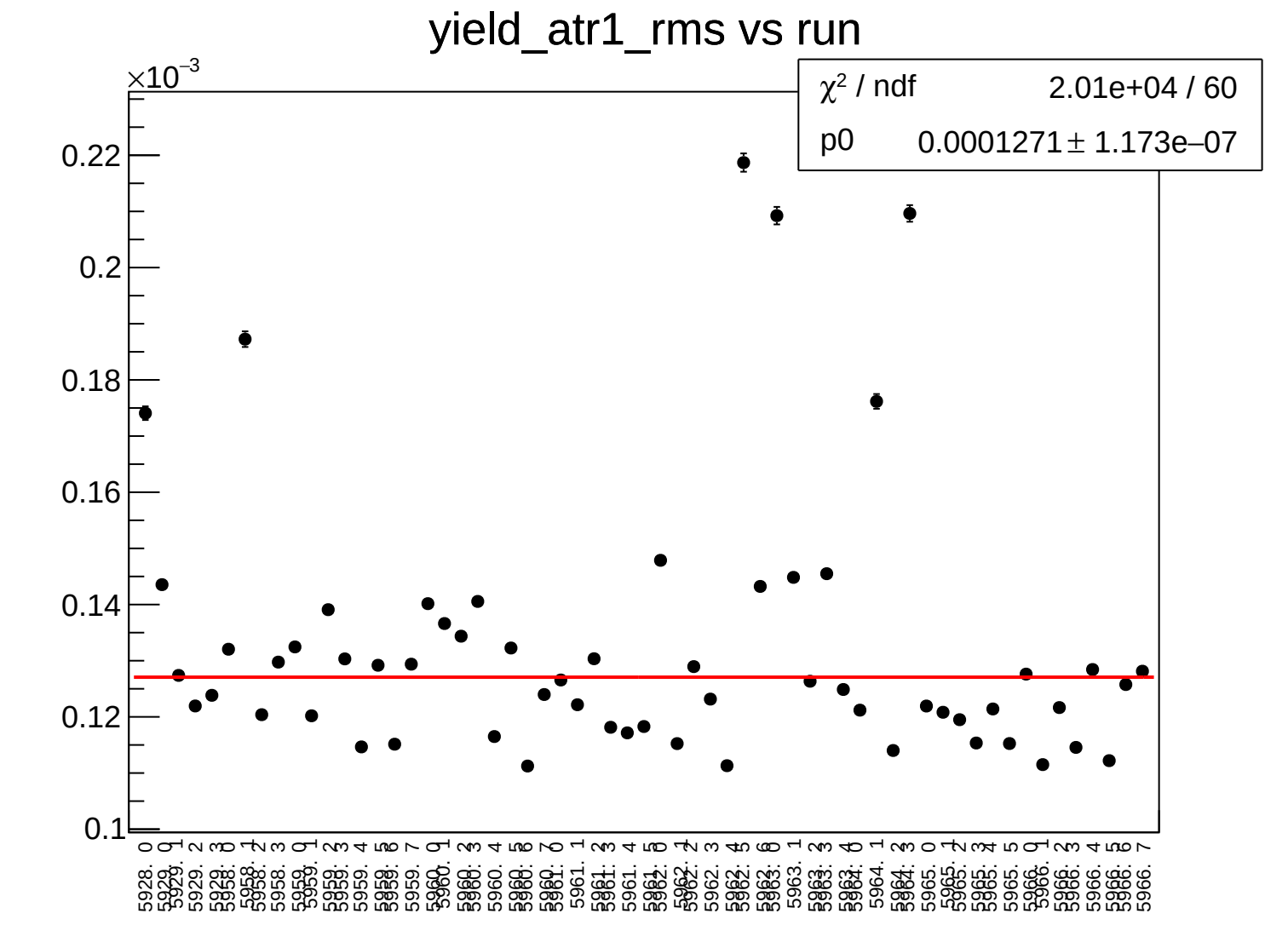

yield_atl1_rms vs run
×10⁻³
χ² / ndf 2.384e+04 / 60
p0 7.367e−05 ± 6.814e−08
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06

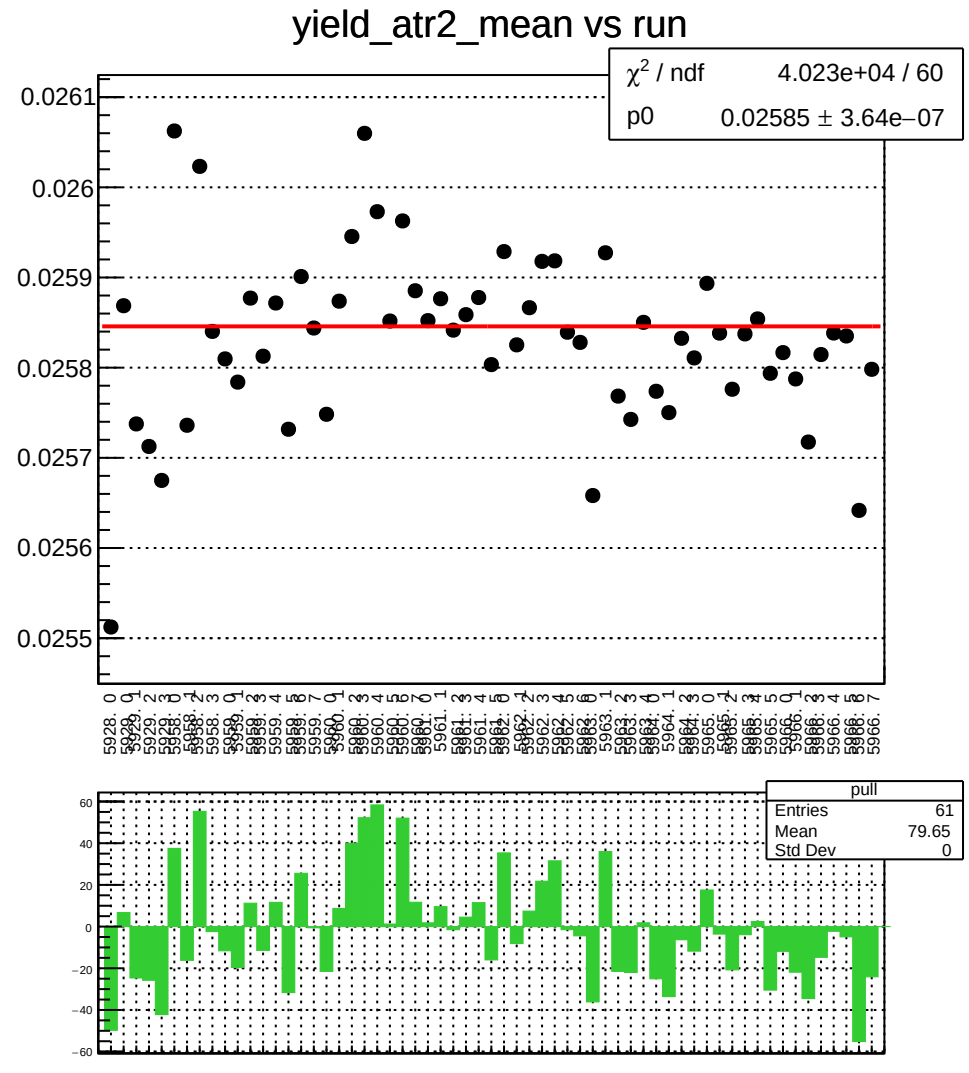

yield_atl2_mean vs run
χ² / ndf 1.191e+05 / 60
p0 0.04583 ± 4.276e−07
0.0464
0.0462
0.046
0.0458
0.0456
0.0454
pull
Entries 61
Mean 626
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 61
Mean 2.177
Std Dev 4.195
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

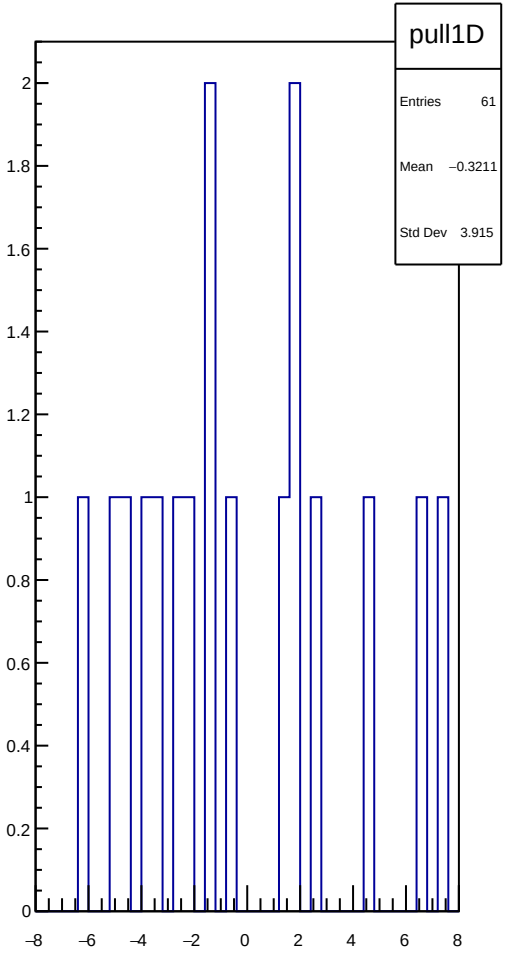

yield_atl2_rms vs run
×10⁻³
χ² / ndf 6.971e+04 / 60
p0 0.0003204 ± 3.024e−07
0.8
0.7
0.6
0.5
0.4
0.3
0.2

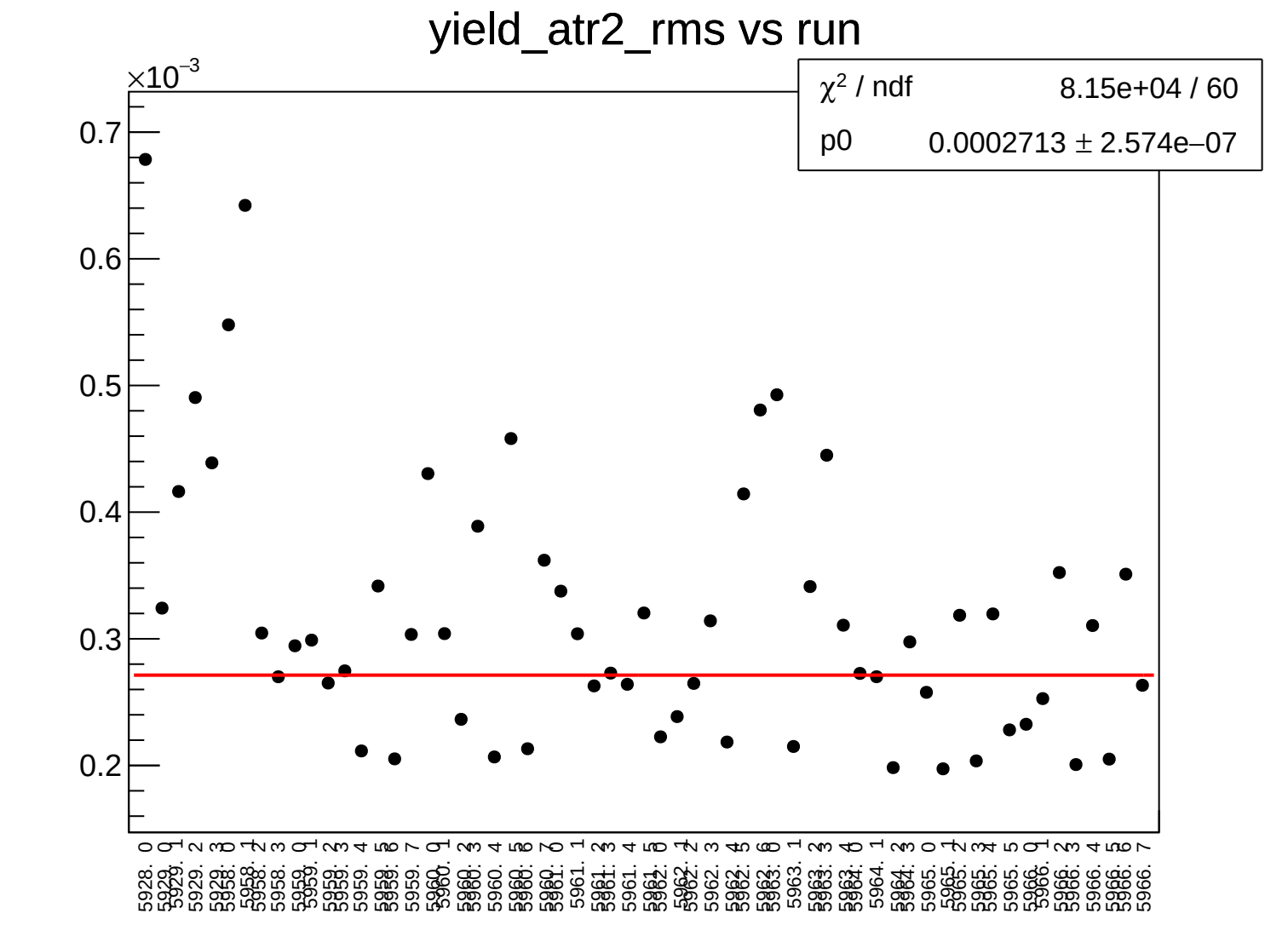

yield_atr1_mean vs run
χ² / ndf 1.219e+05 / 60
p0 0.03915 ± 1.659e−07
0.0393
0.03925
0.0392
0.03915
0.0391
0.03905
0.039
pull
Entries 61
Mean −10.23
Std Dev 0
50
0
−50
−100
−150

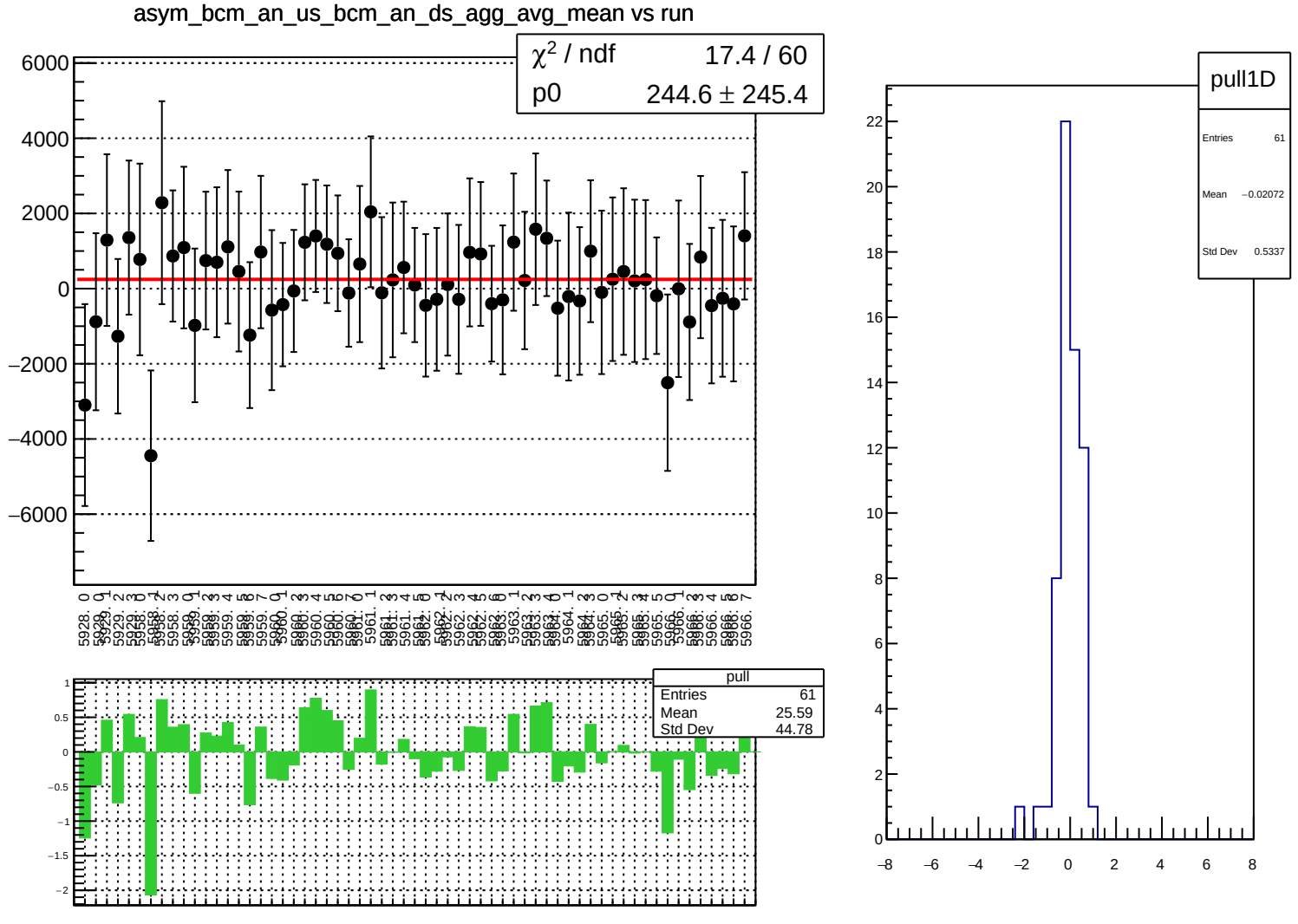

pull1D
Entries 61
Mean −0.7843
Std Dev 5.277
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

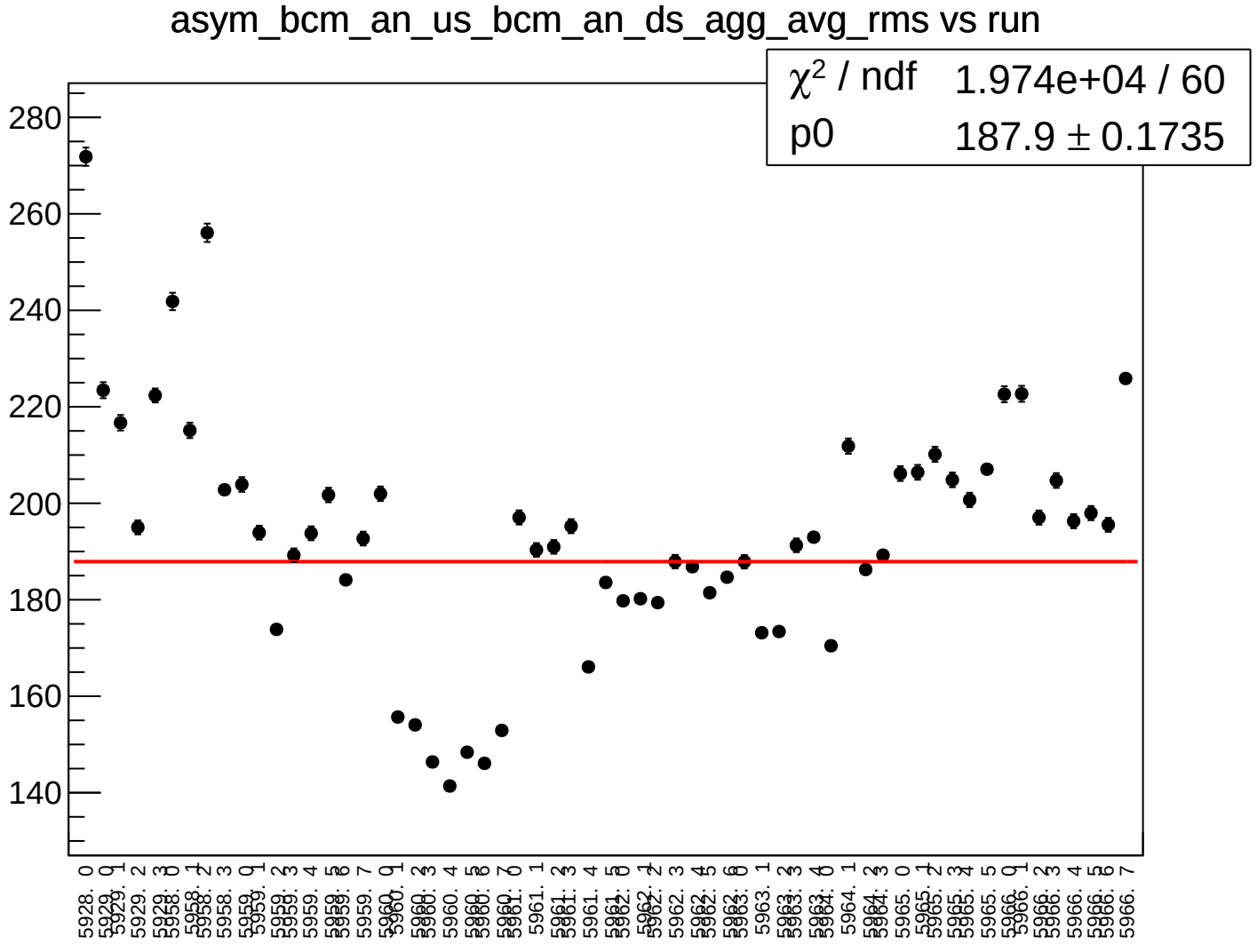

yield_atr1_rms vs run
×10⁻³
χ² / ndf 2.01e+04 / 60
p0 0.0001271 ± 1.173e−07
0.22
0.2
0.18
0.16
0.14
0.12
0.1

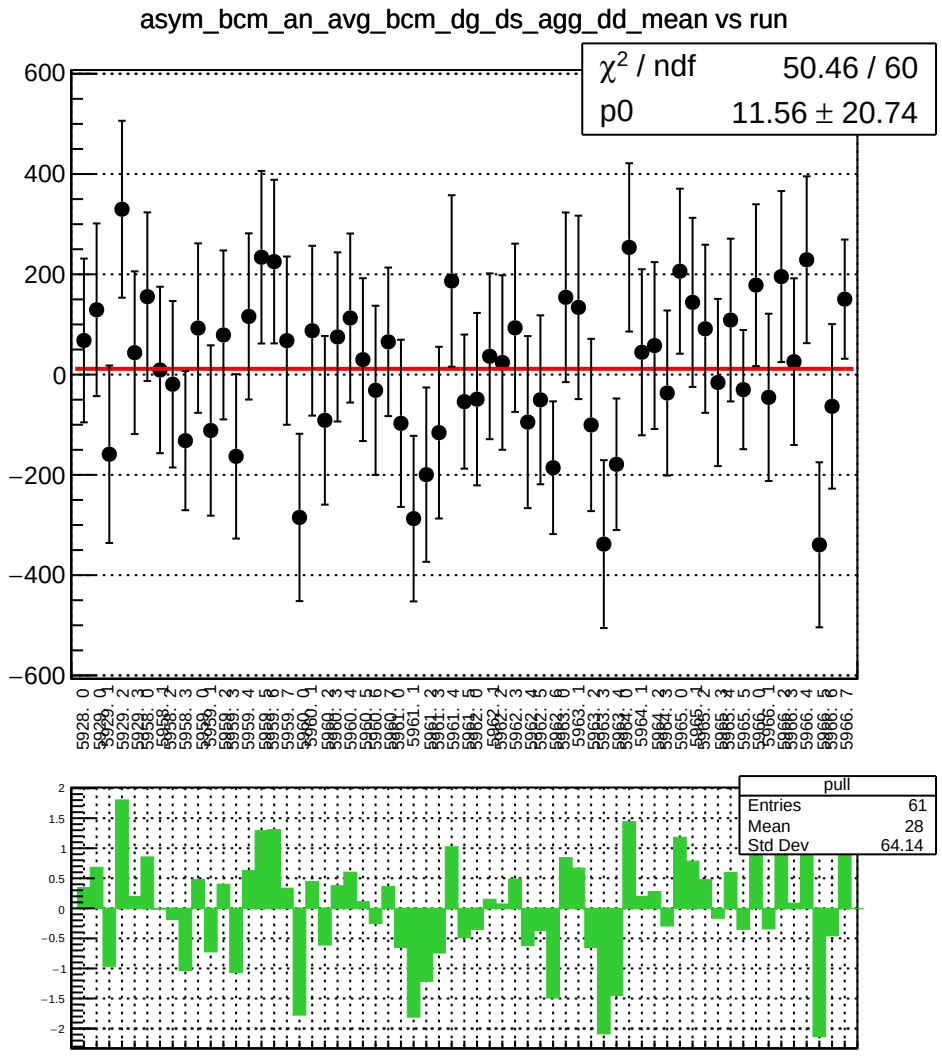

yield_atr2_mean vs run
χ² / ndf 4.023e+04 / 60
p0 0.02585 ± 3.64e−07
0.0261
0.026
0.0259
0.0258
0.0257
0.0256
0.0255
pull
Entries 61
Mean 79.65
Std Dev 0
60
40
20
0
−20
−40
−60

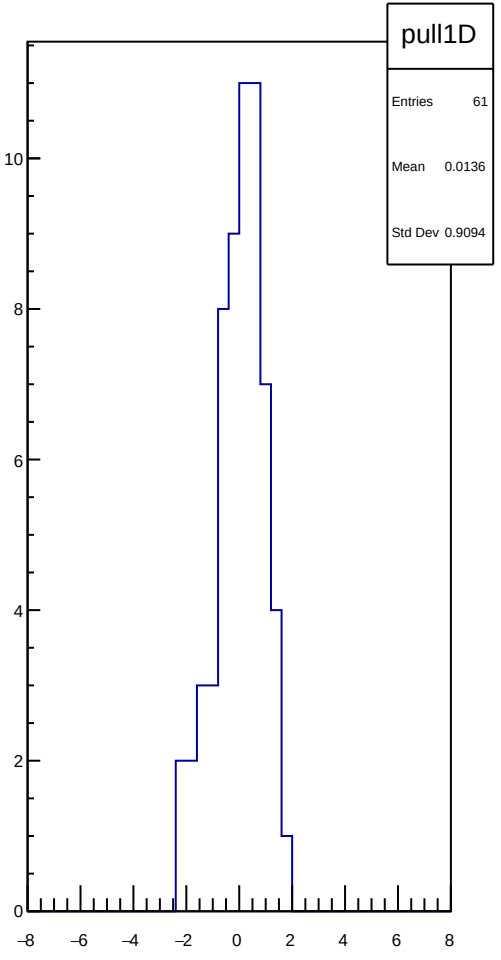

pull1D
Entries 61
Mean −0.3211
Std Dev 3.915
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

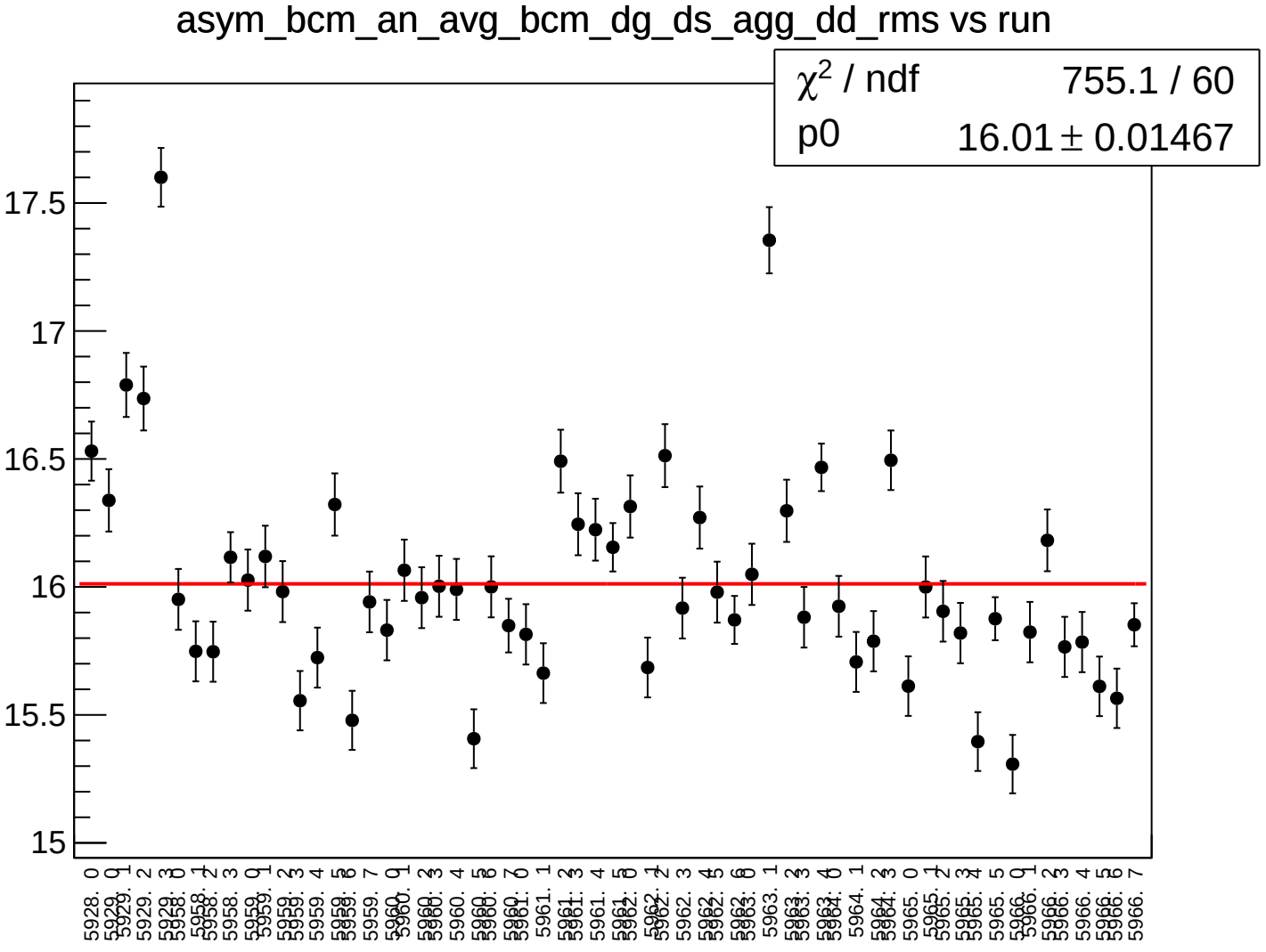

yield_atr2_rms vs run
×10⁻³
χ² / ndf 8.15e+04 / 60
p0 0.0002713 ± 2.574e−07
0.7
0.6
0.5
0.4
0.3
0.2

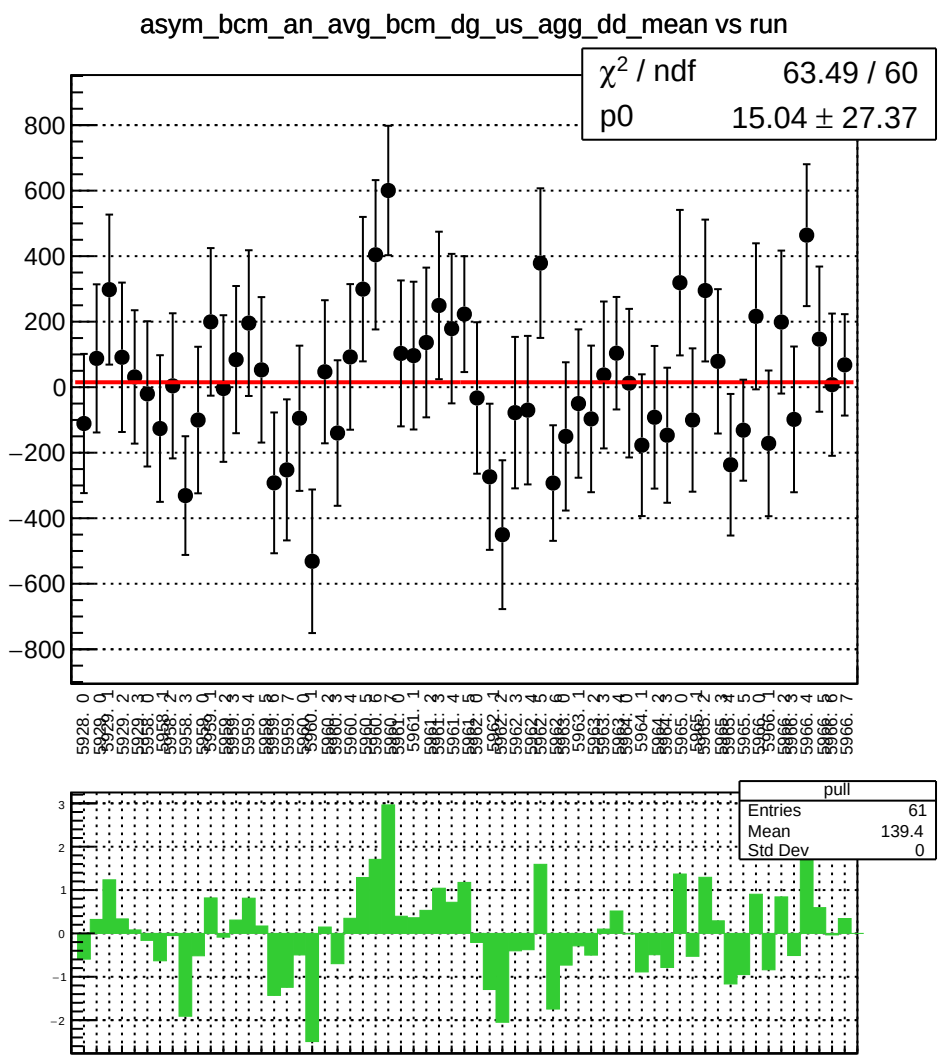

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.4 / 60
p0 244.6 ± 245.4
pull
Entries 61
Mean 25.59
Std Dev 44.78
pull1D
Entries 61
Mean −0.02072
Std Dev 0.5337

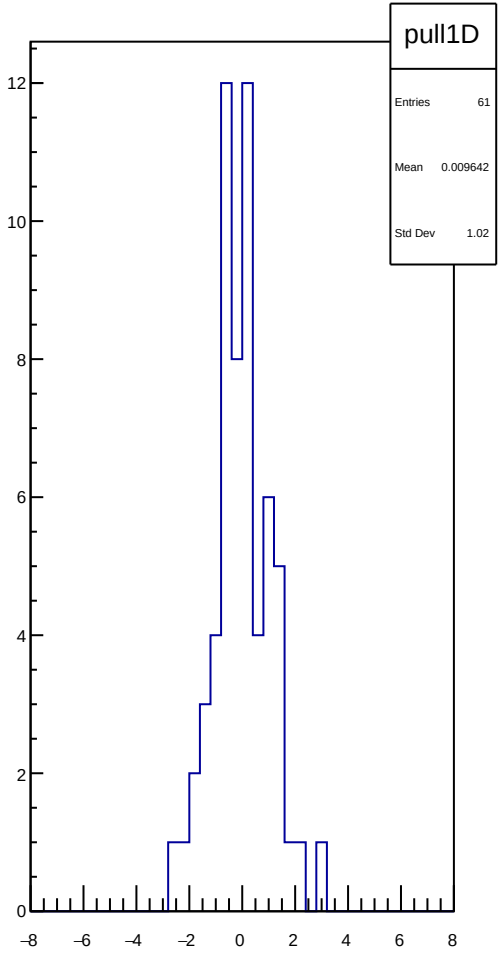

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.974e+04 / 60
p0 187.9 ± 0.1735
280
260
240
220
200
180
160
140

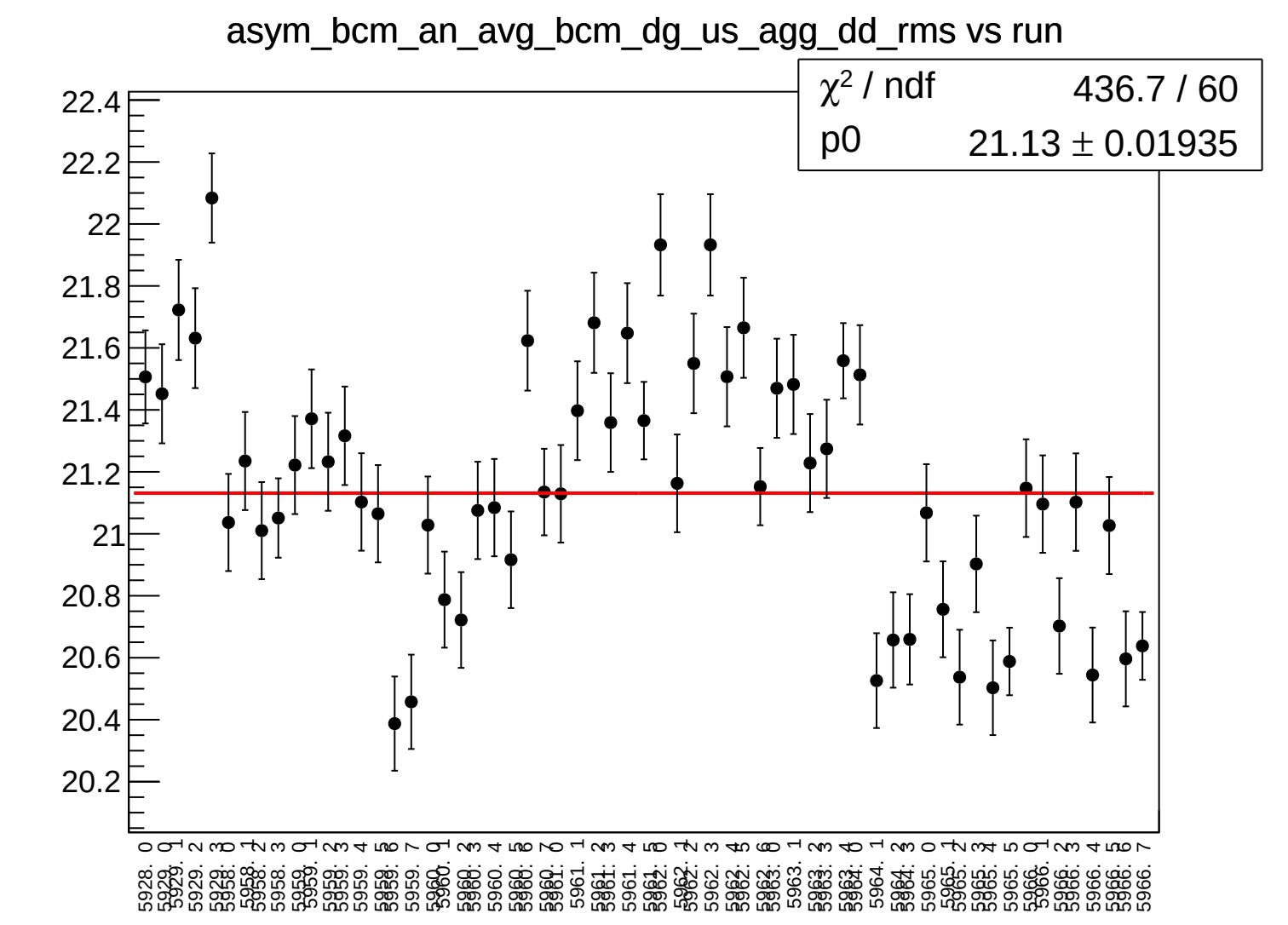

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.46 / 60
p0 11.56 ± 20.74
pull
Entries 61
Mean 28
Std Dev 64.14

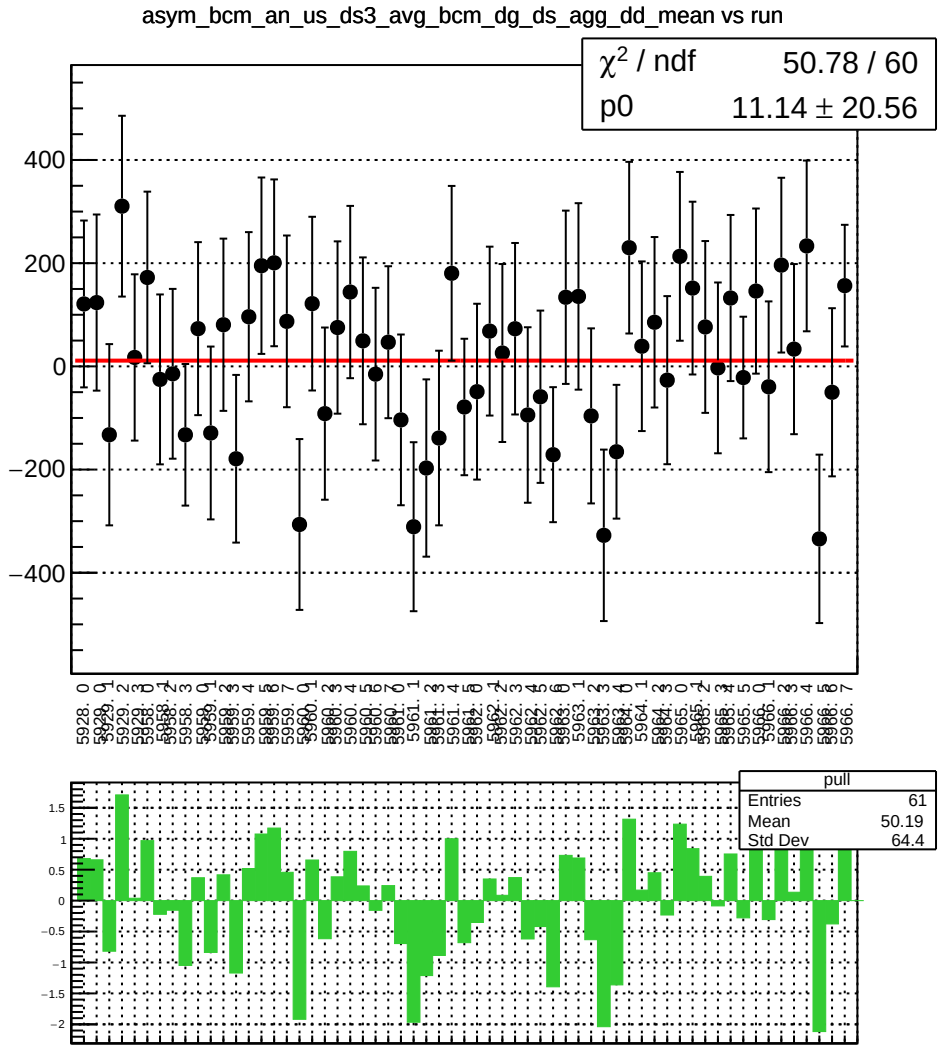

pull1D
Entries 61
Mean 0.0136
Std Dev 0.9094

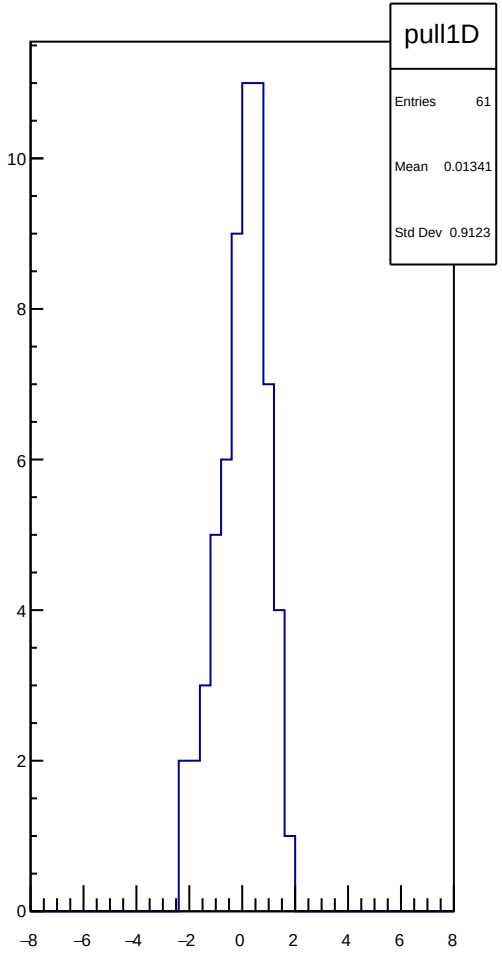

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 755.1 / 60
p0 16.01 ± 0.01467
17.5
17
16.5
16
15.5
15

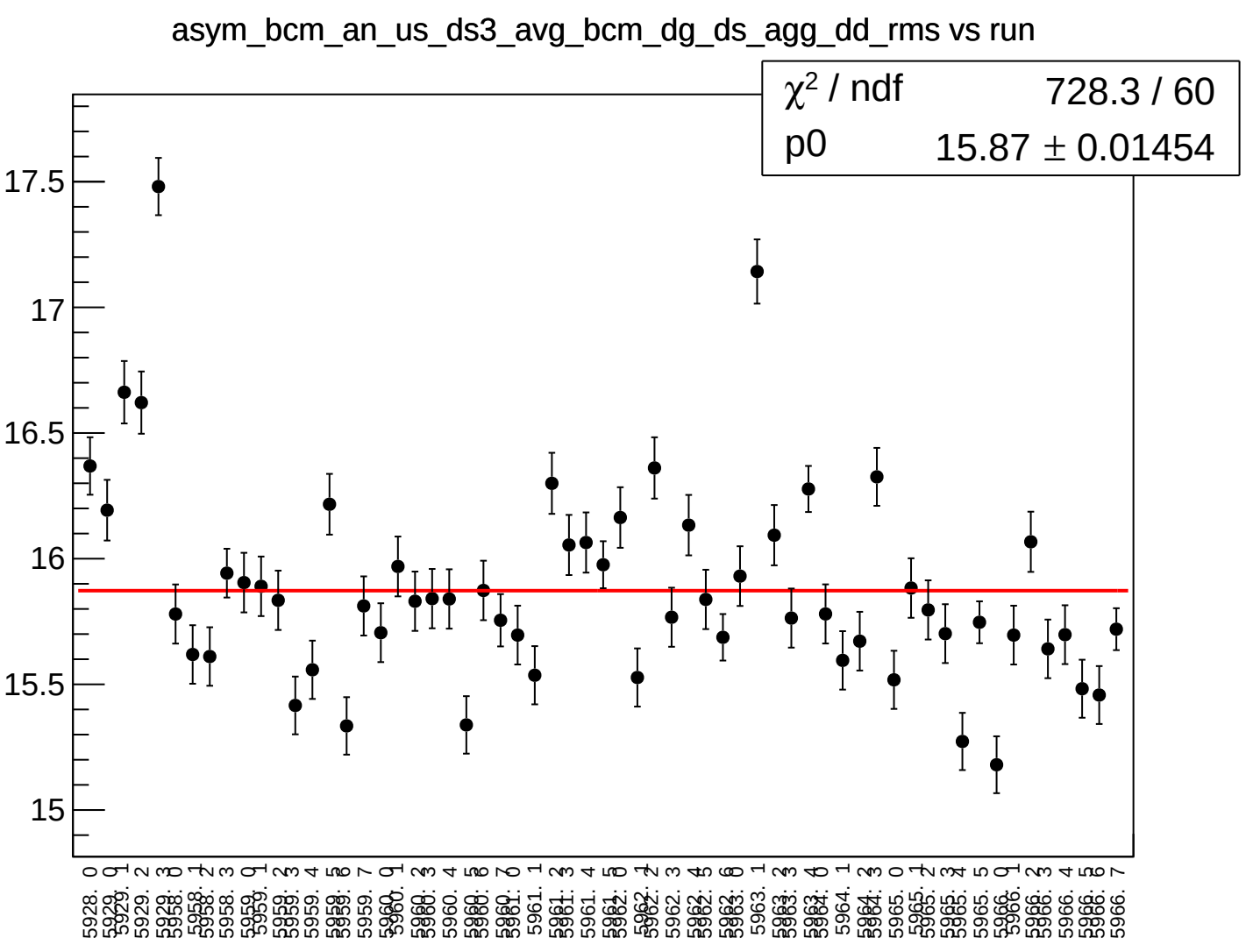

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 63.49 / 60
p0 15.04 ± 27.37
pull
Entries 61
Mean 139.4
Std Dev 0

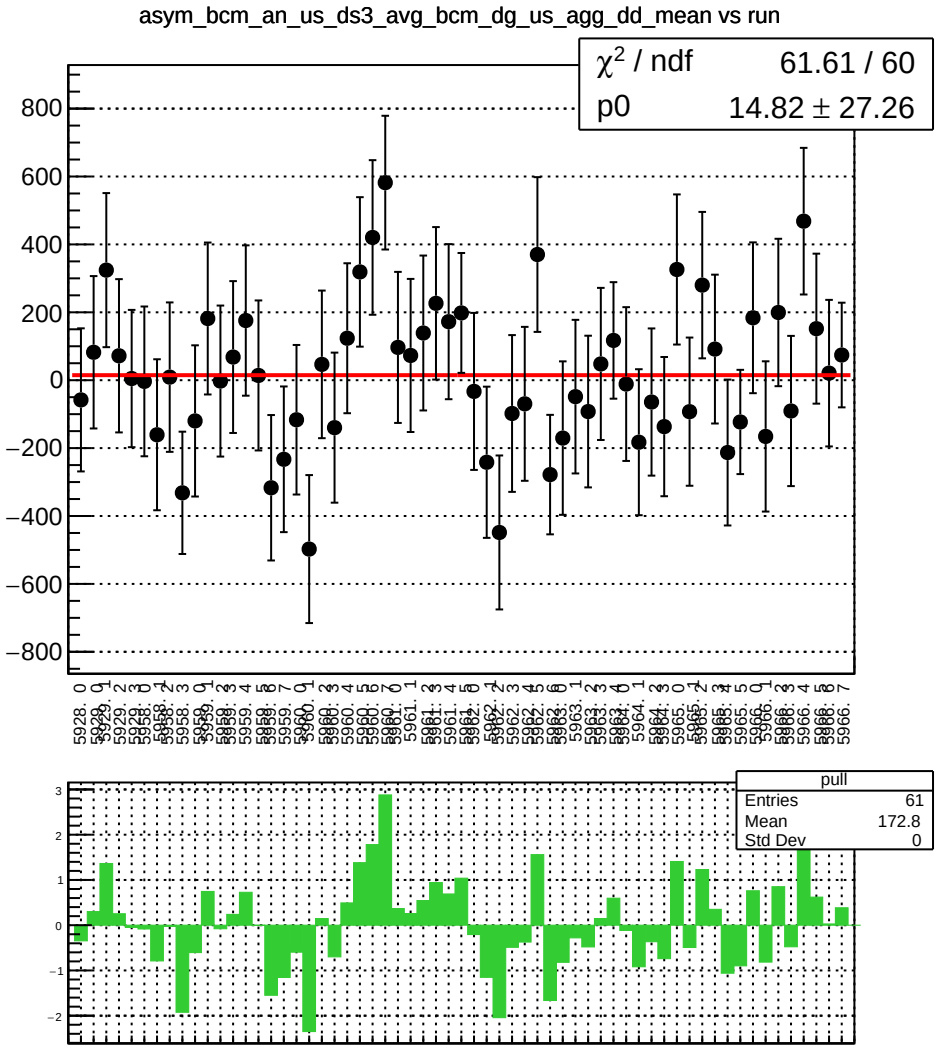

pull1D
Entries 61
Mean 0.009642
Std Dev 1.02

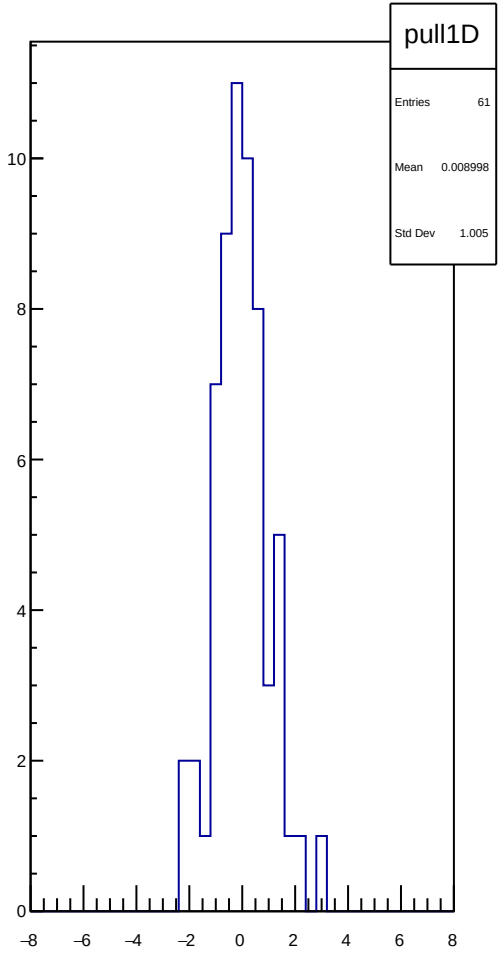

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 436.7 / 60
p0 21.13 ± 0.01935
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2

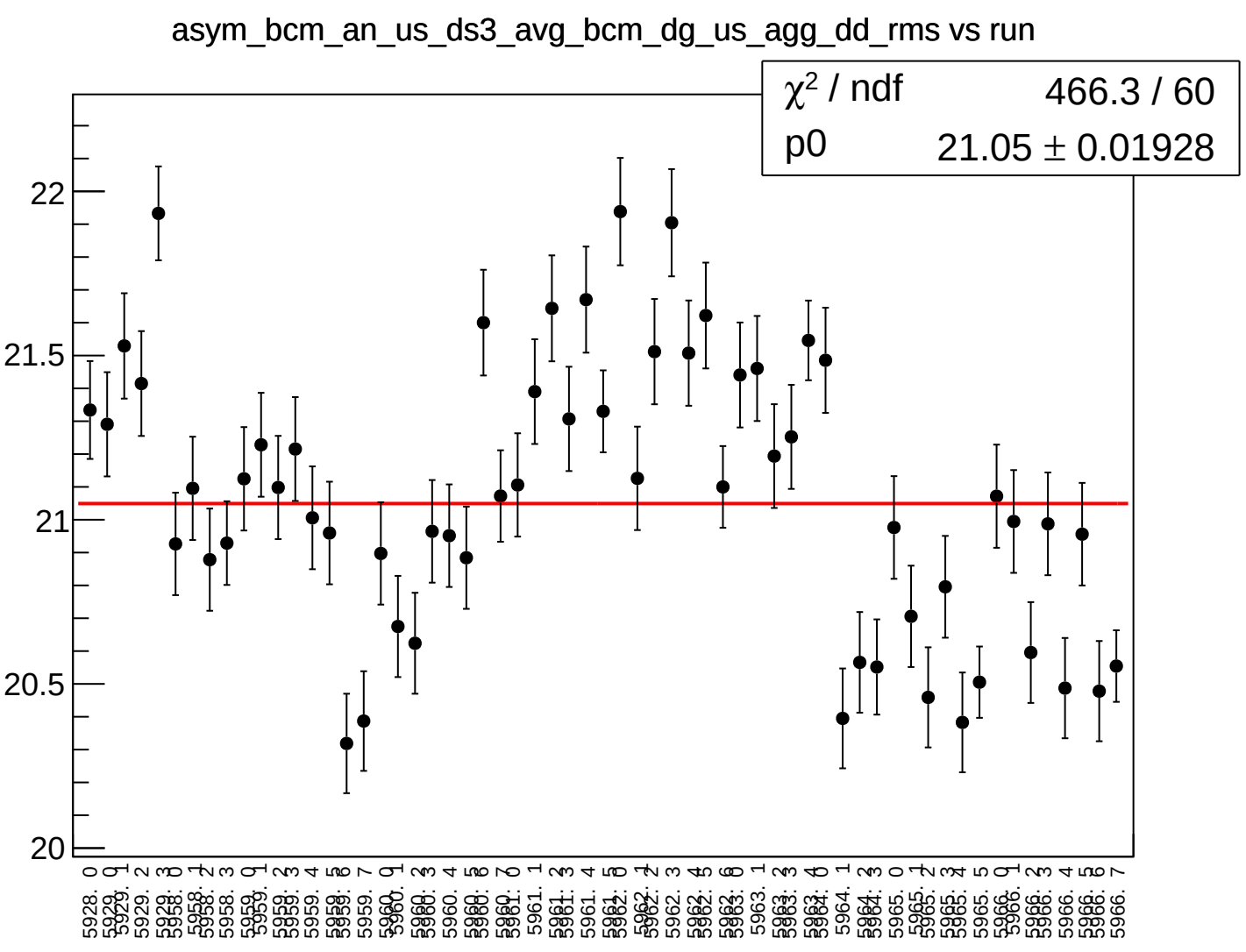

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.78 / 60
p0 11.14 ± 20.56
400
200
0
−200
−400
pull
Entries 61
Mean 50.19
Std Dev 64.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

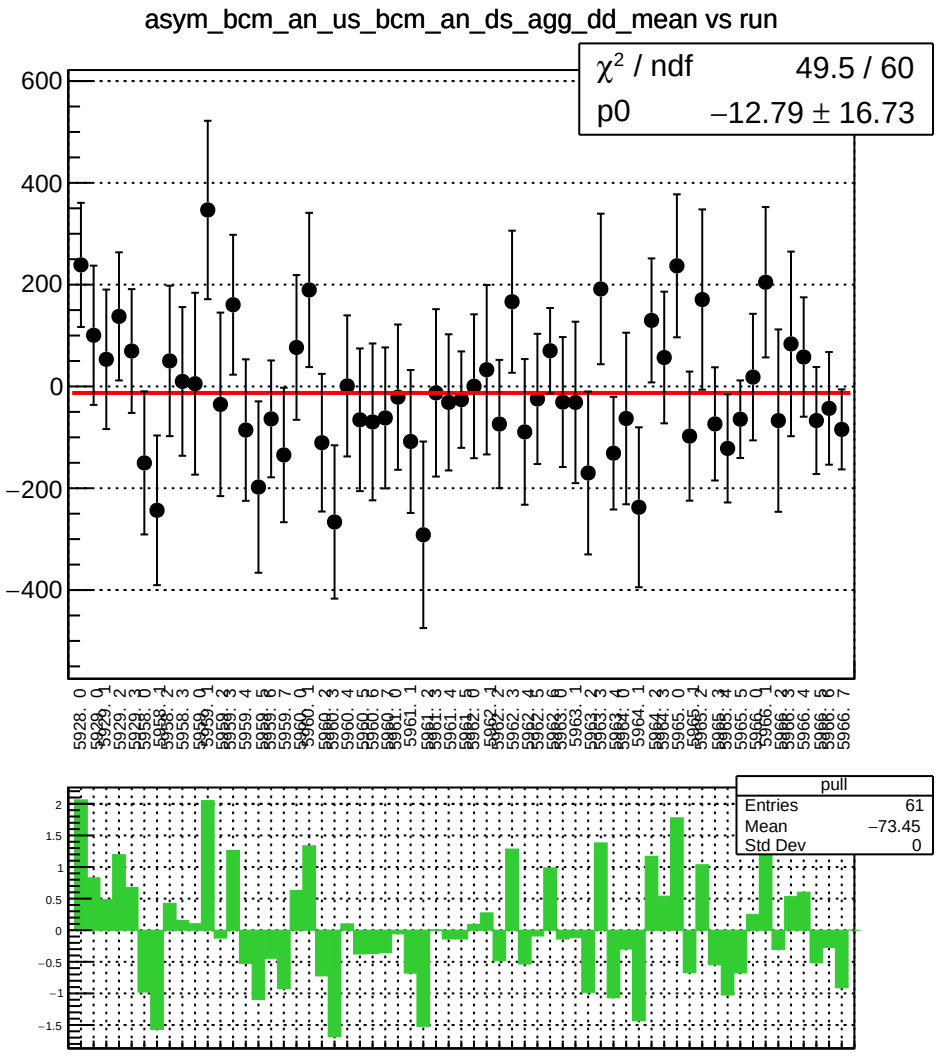

pull1D
Entries 61
Mean 0.01341
Std Dev 0.9123
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

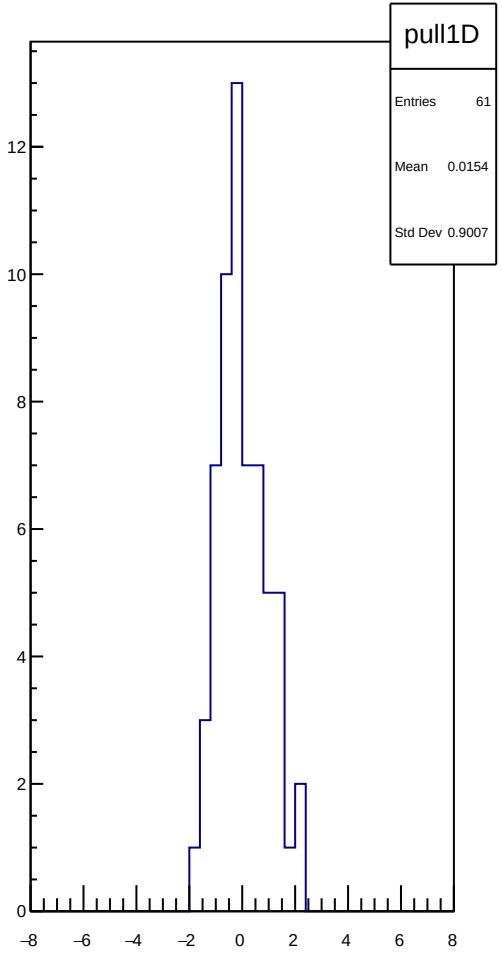

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 728.3 / 60
p0 15.87 ± 0.01454
17.5
17
16.5
16
15.5
15

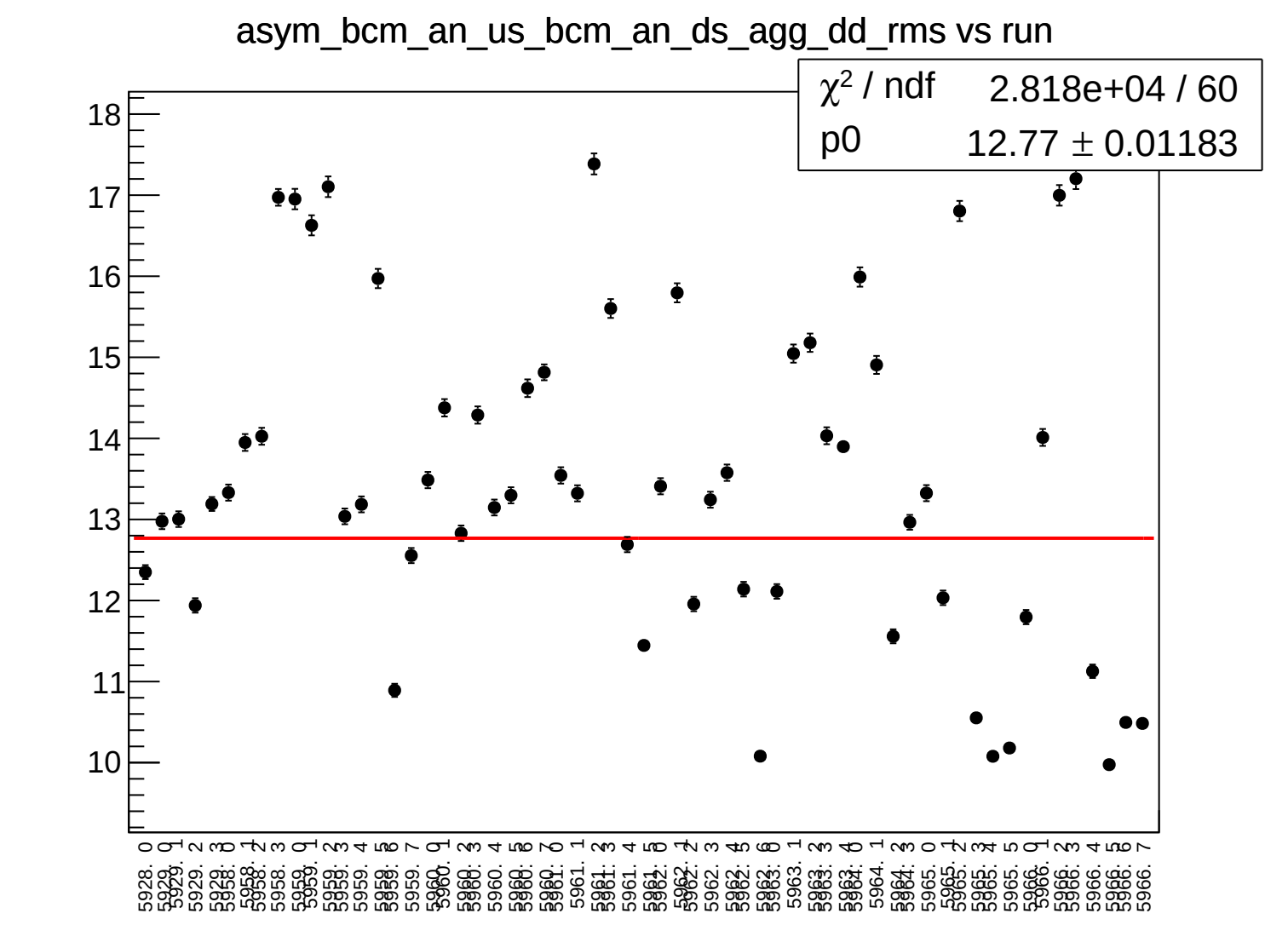

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 61.61 / 60
p0 14.82 ± 27.26
pull
Entries 61
Mean 172.8
Std Dev 0

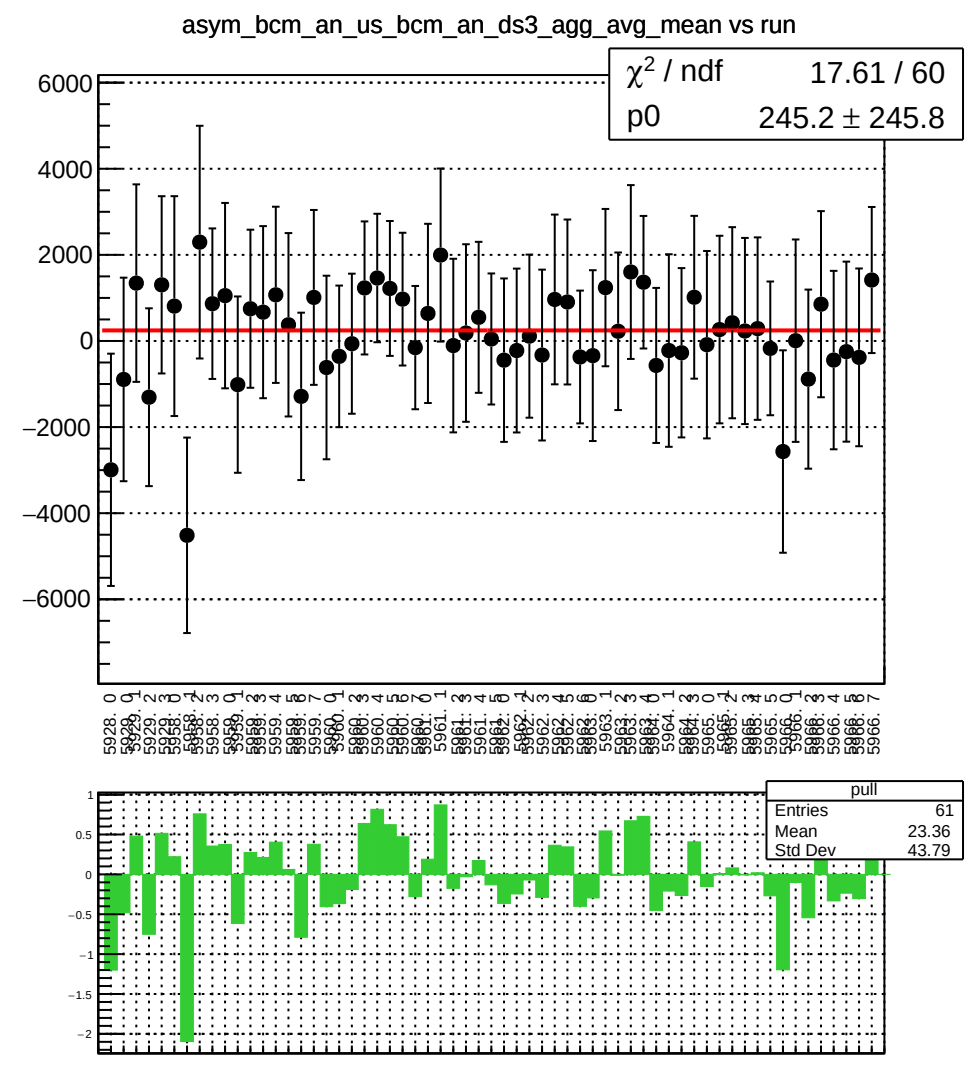

pull1D
Entries 61
Mean 0.008998
Std Dev 1.005

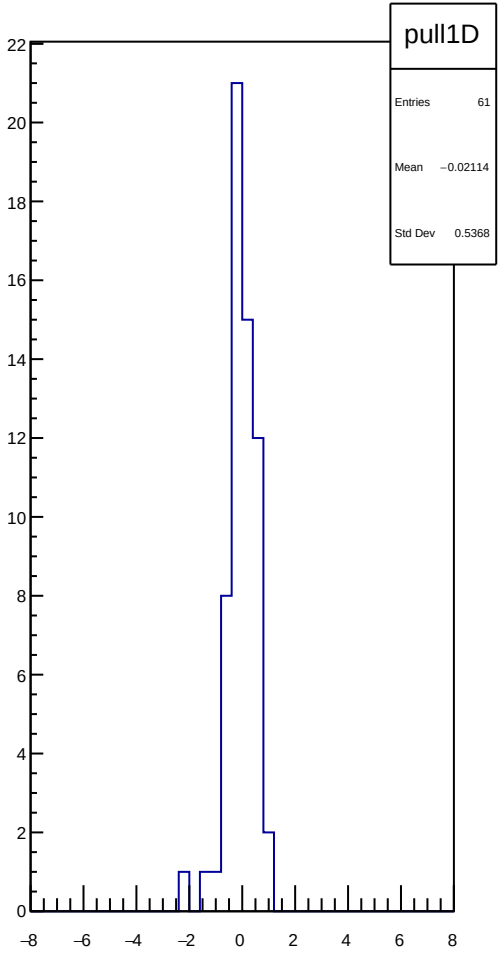

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 466.3 / 60
p0 21.05 ± 0.01928
22
21.5
21
20.5
20

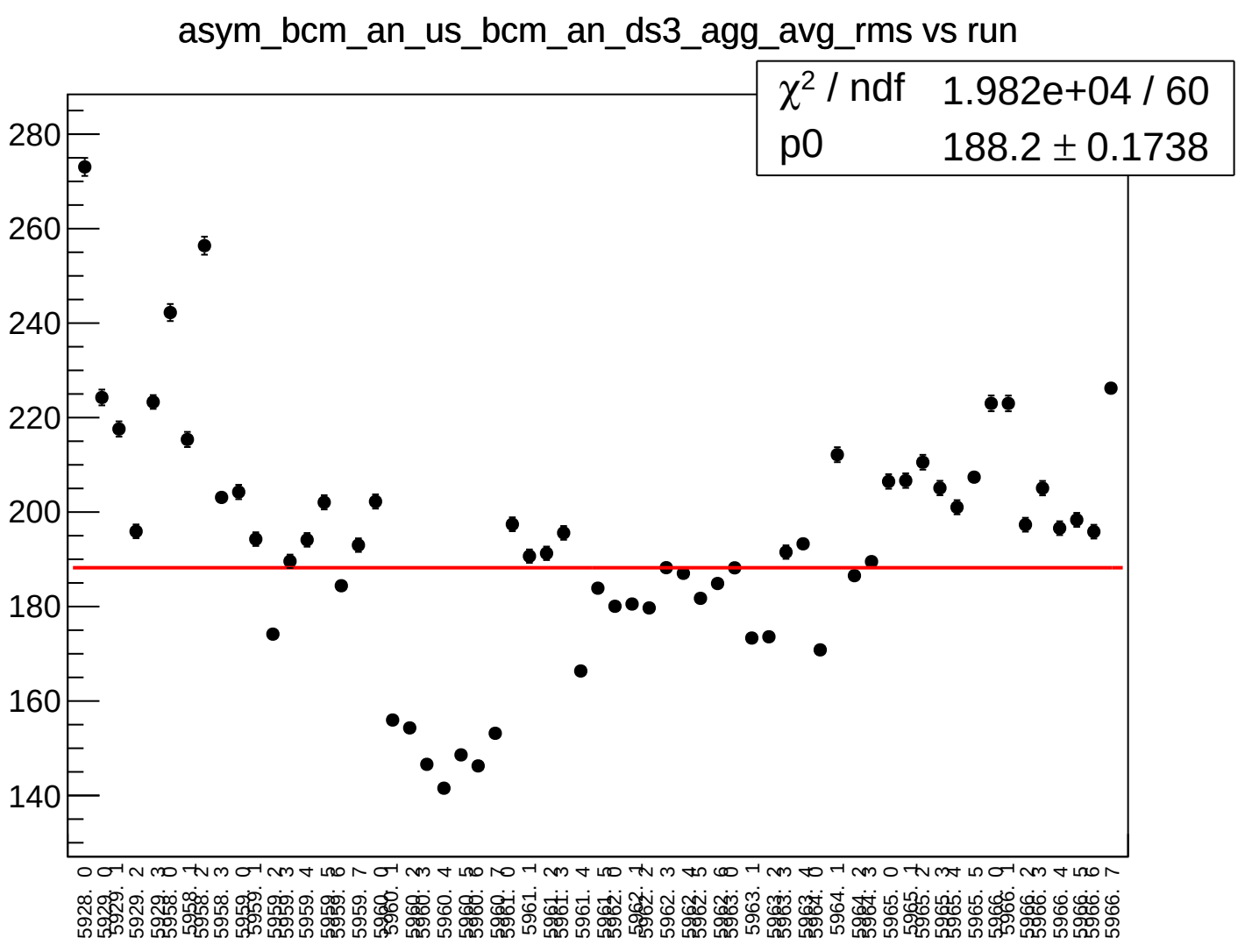

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 49.5 / 60
p0 −12.79 ± 16.73
pull
Entries 61
Mean −73.45
Std Dev 0

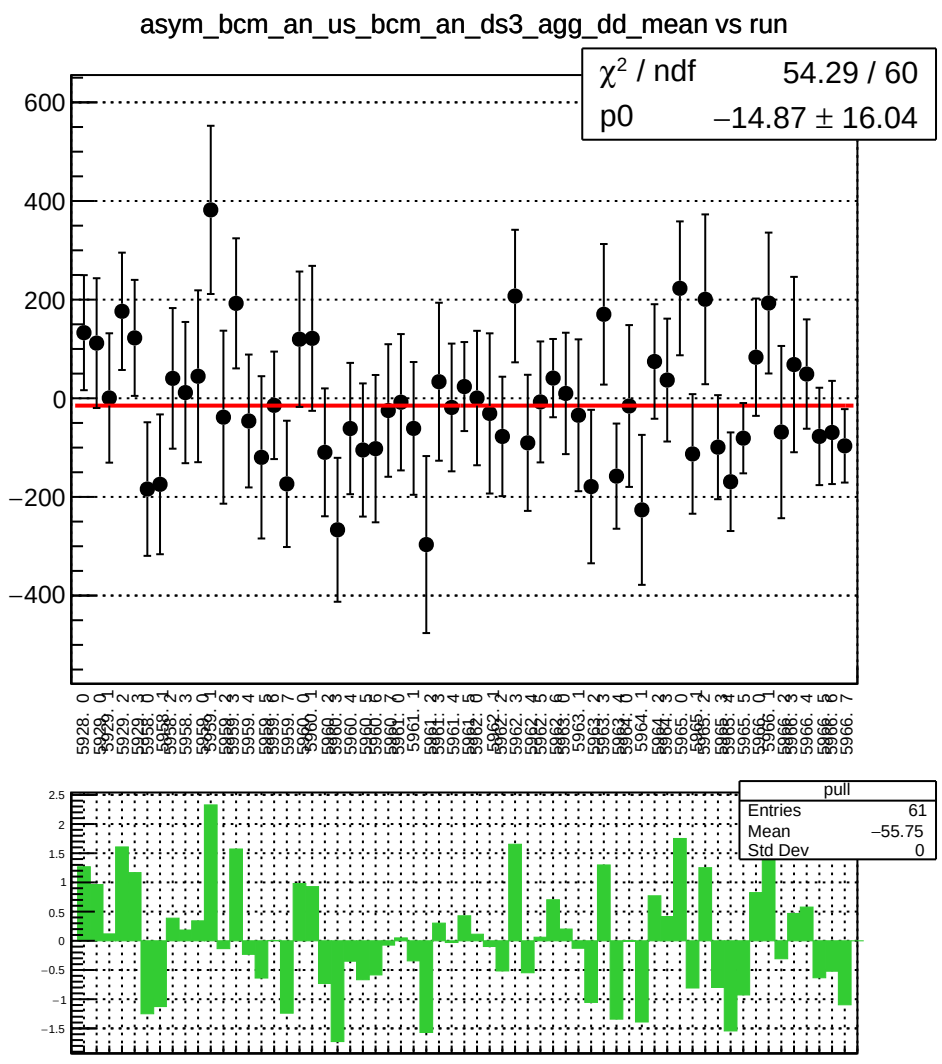

pull1D
Entries 61
Mean 0.0154
Std Dev 0.9007

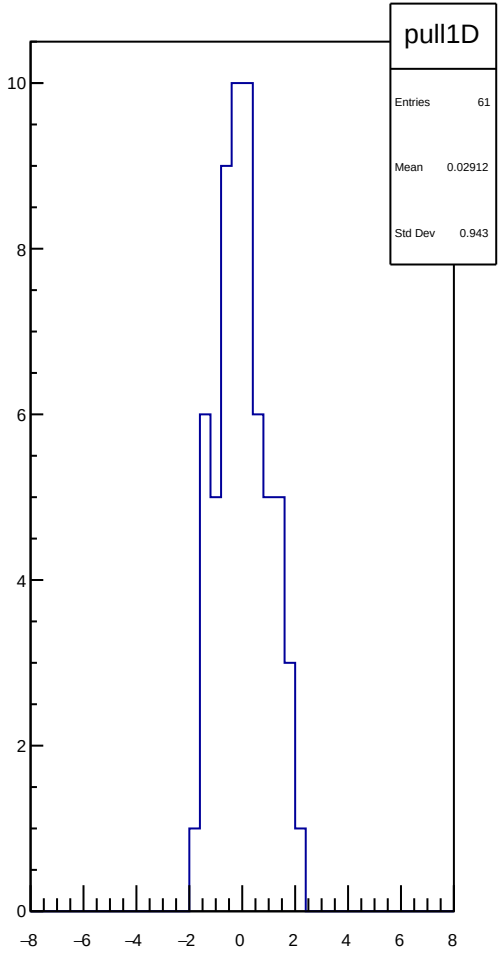

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.818e+04 / 60
p0 12.77 ± 0.01183
18
17
16
15
14
13
12
11
10

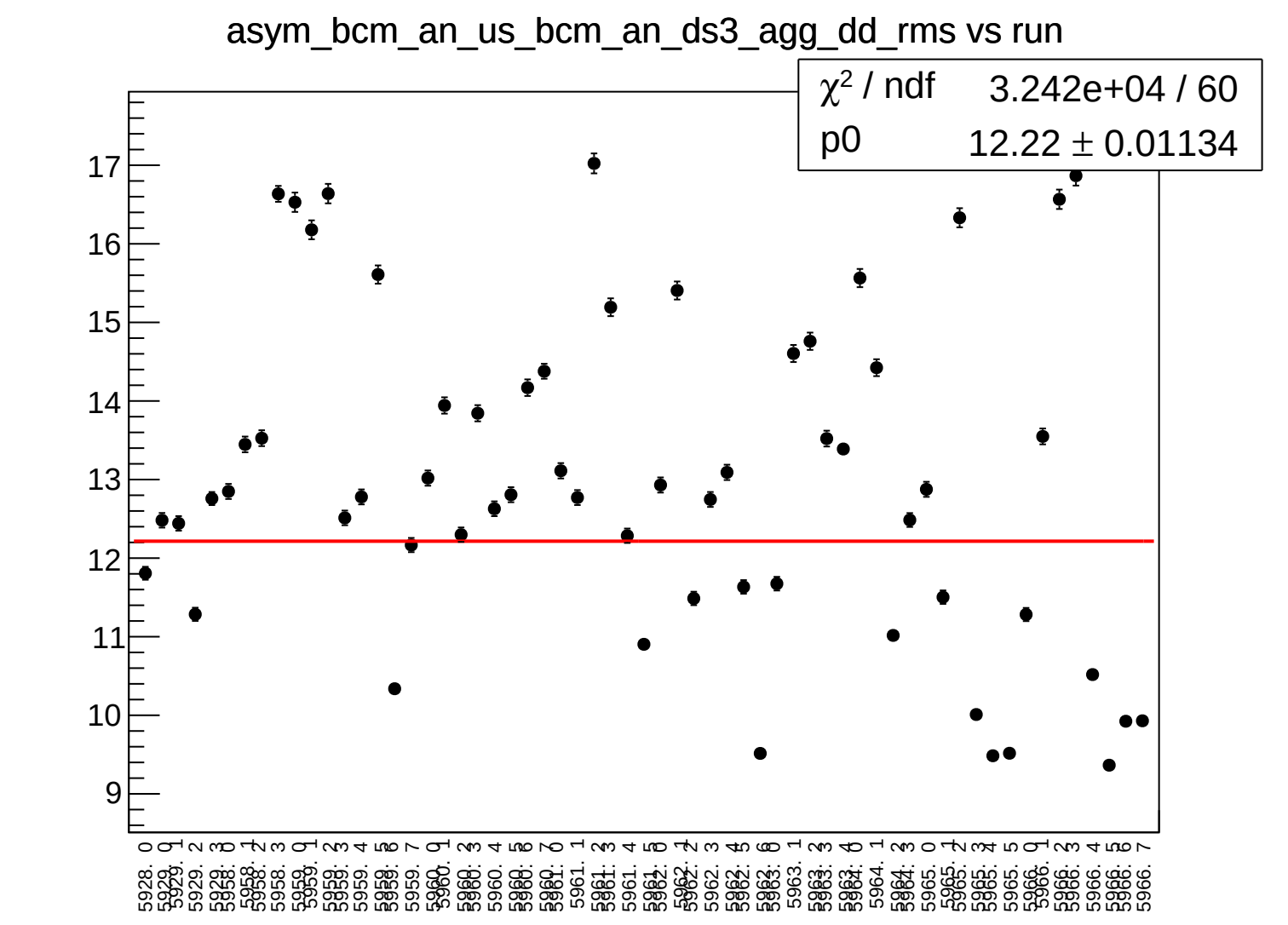

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 17.61 / 60
p0 245.2 ± 245.8
pull
Entries 61
Mean 23.36
Std Dev 43.79

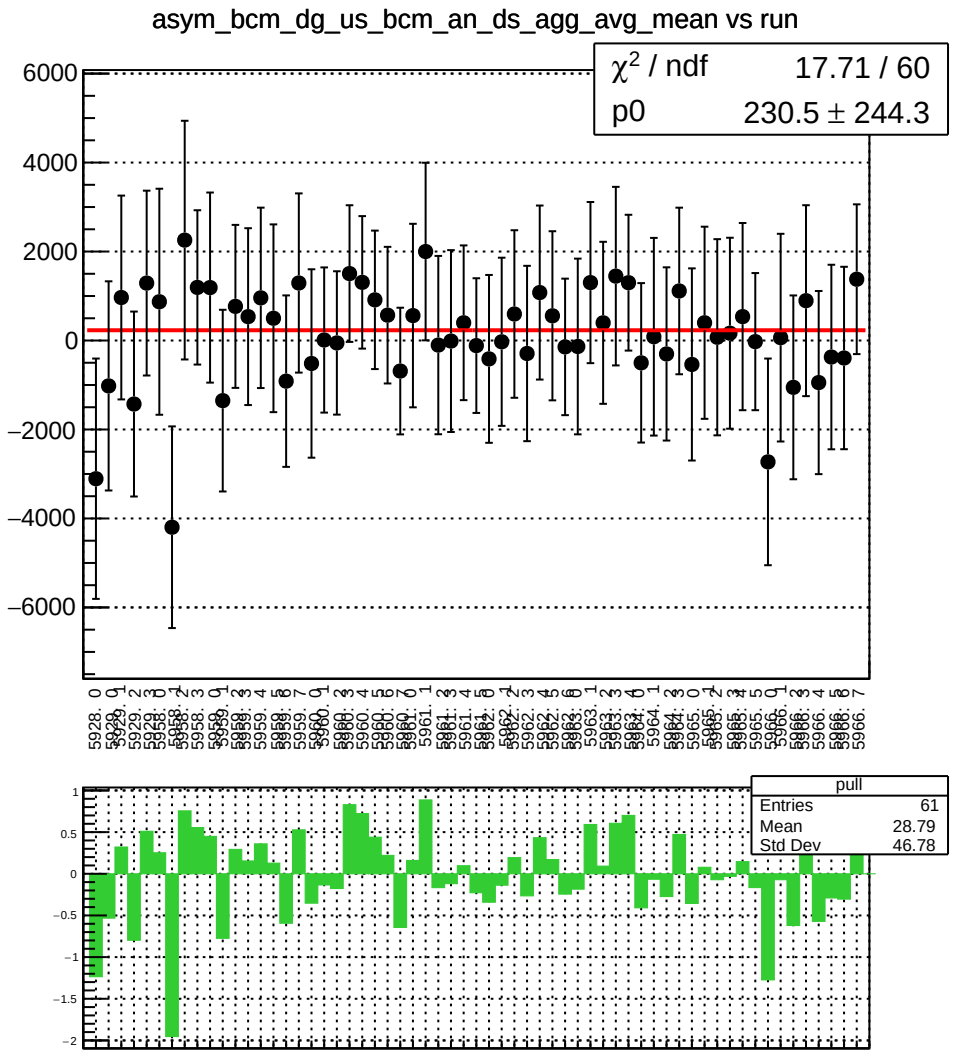

pull1D
Entries 61
Mean −0.02114
Std Dev 0.5368

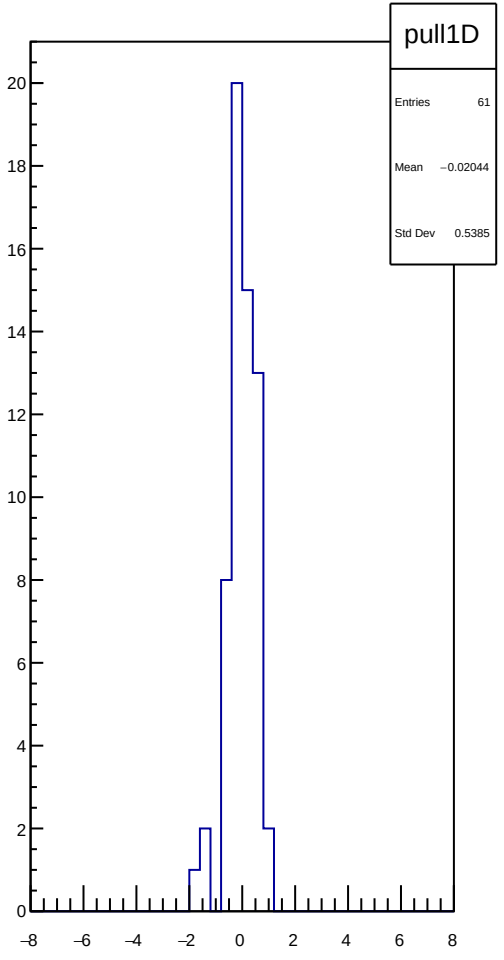

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.982e+04 / 60
p0 188.2 ± 0.1738
280
260
240
220
200
180
160
140

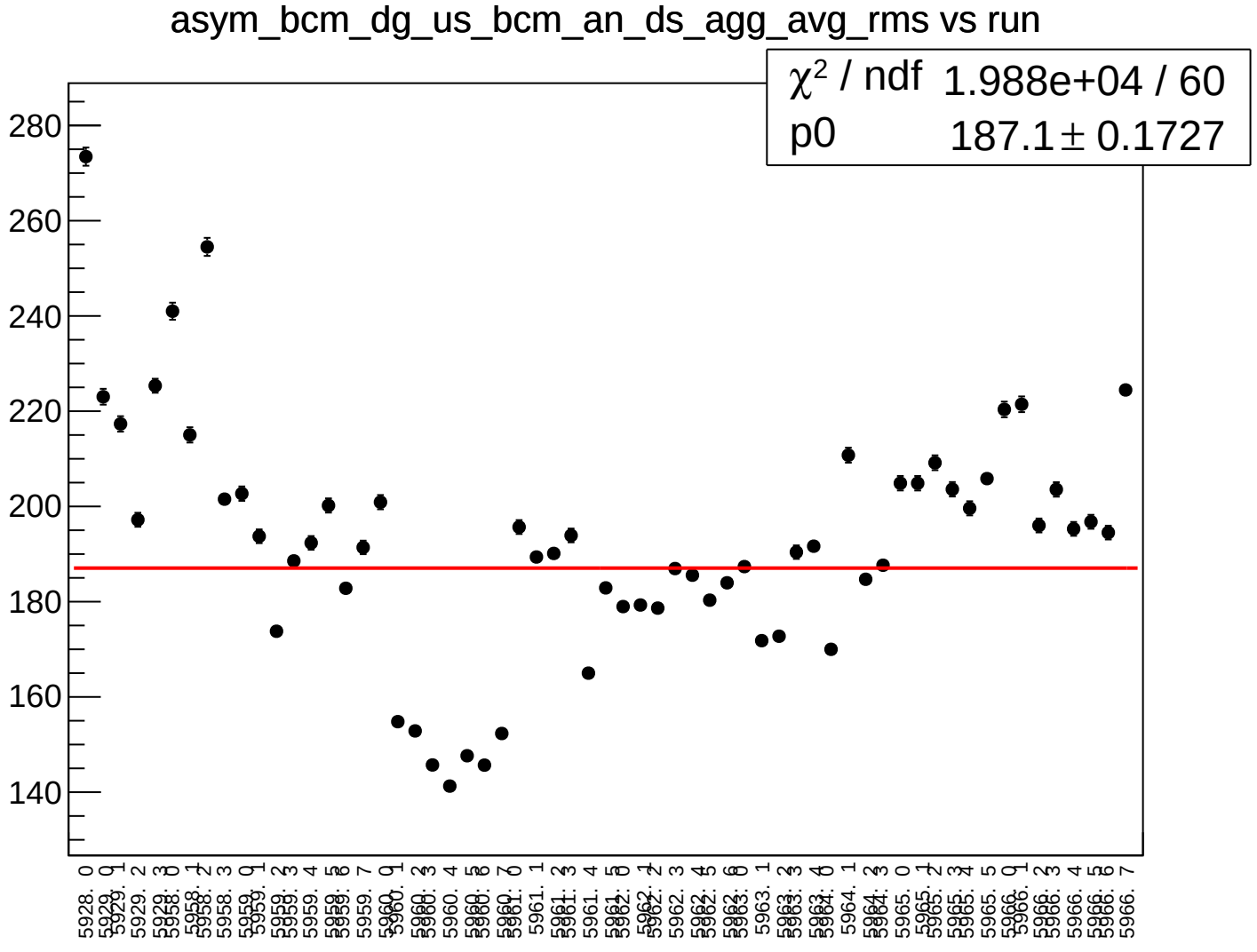

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 54.29 / 60
p0 −14.87 ± 16.04
pull
Entries 61
Mean −55.75
Std Dev 0

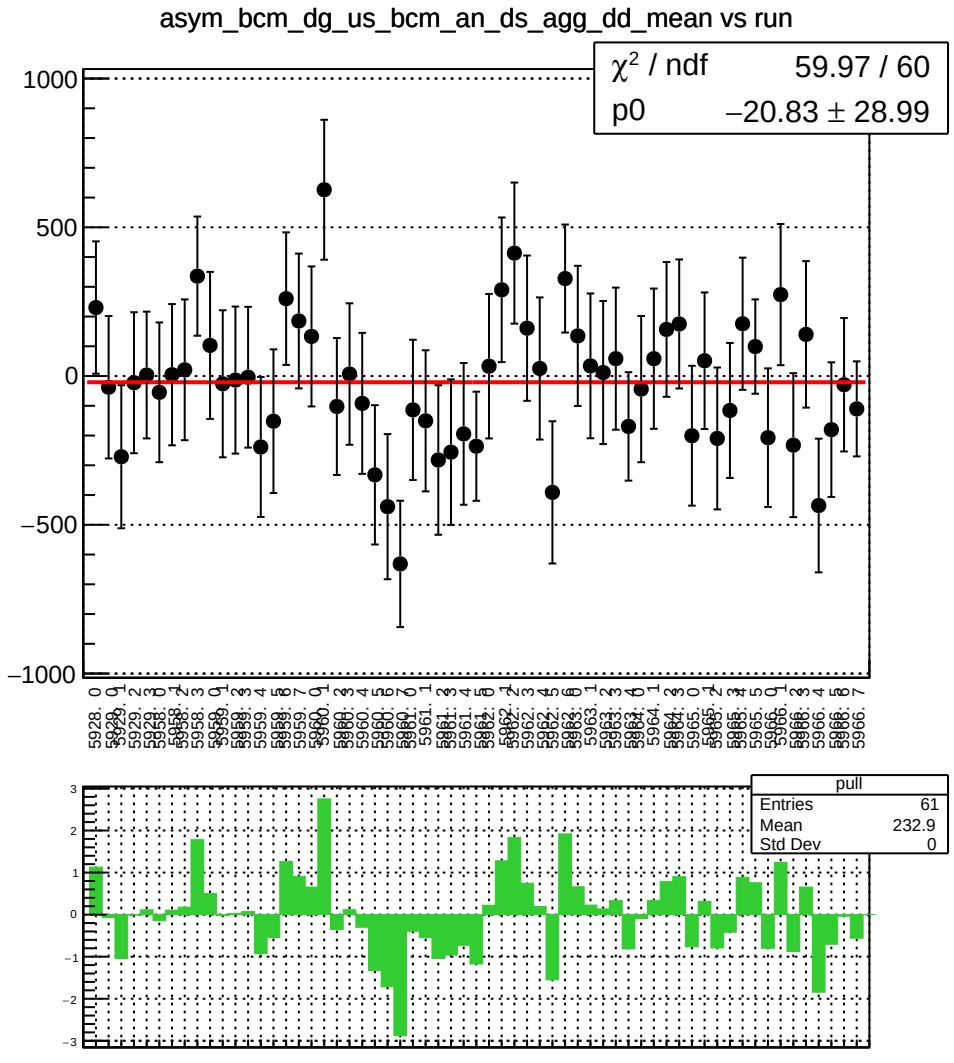

pull1D
Entries 61
Mean 0.02912
Std Dev 0.943

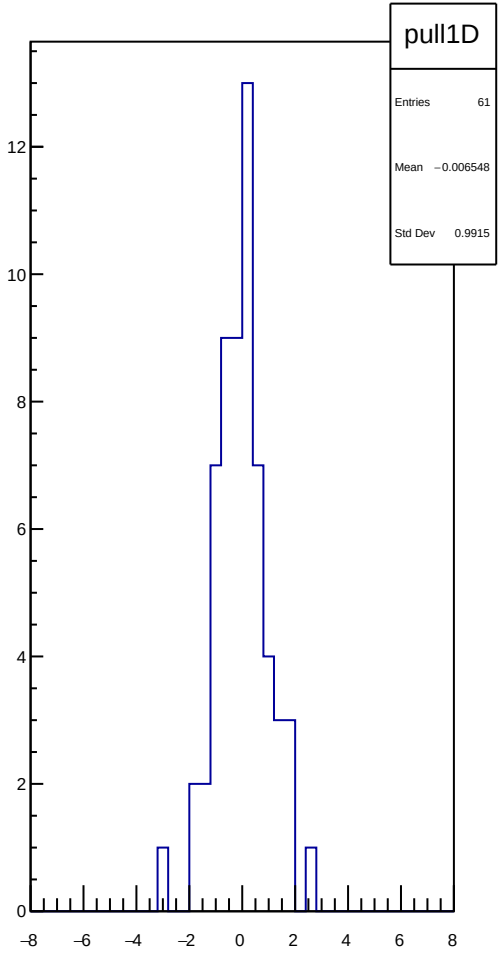

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 3.242e+04 / 60
p0 12.22 ± 0.01134
17
16
15
14
13
12
11
10
9

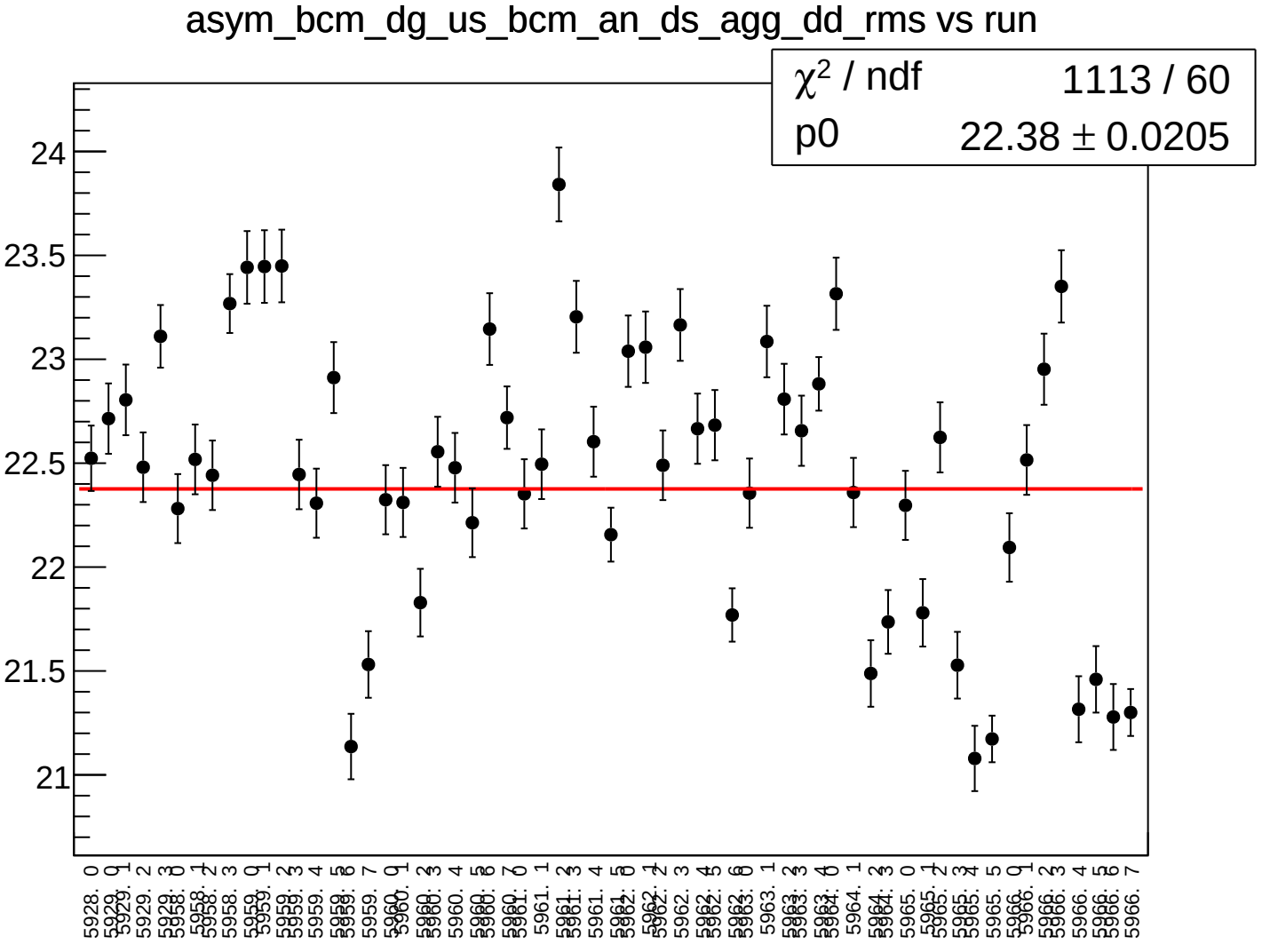

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.71 / 60
p0 230.5 ± 244.3
pull
Entries 61
Mean 28.79
Std Dev 46.78

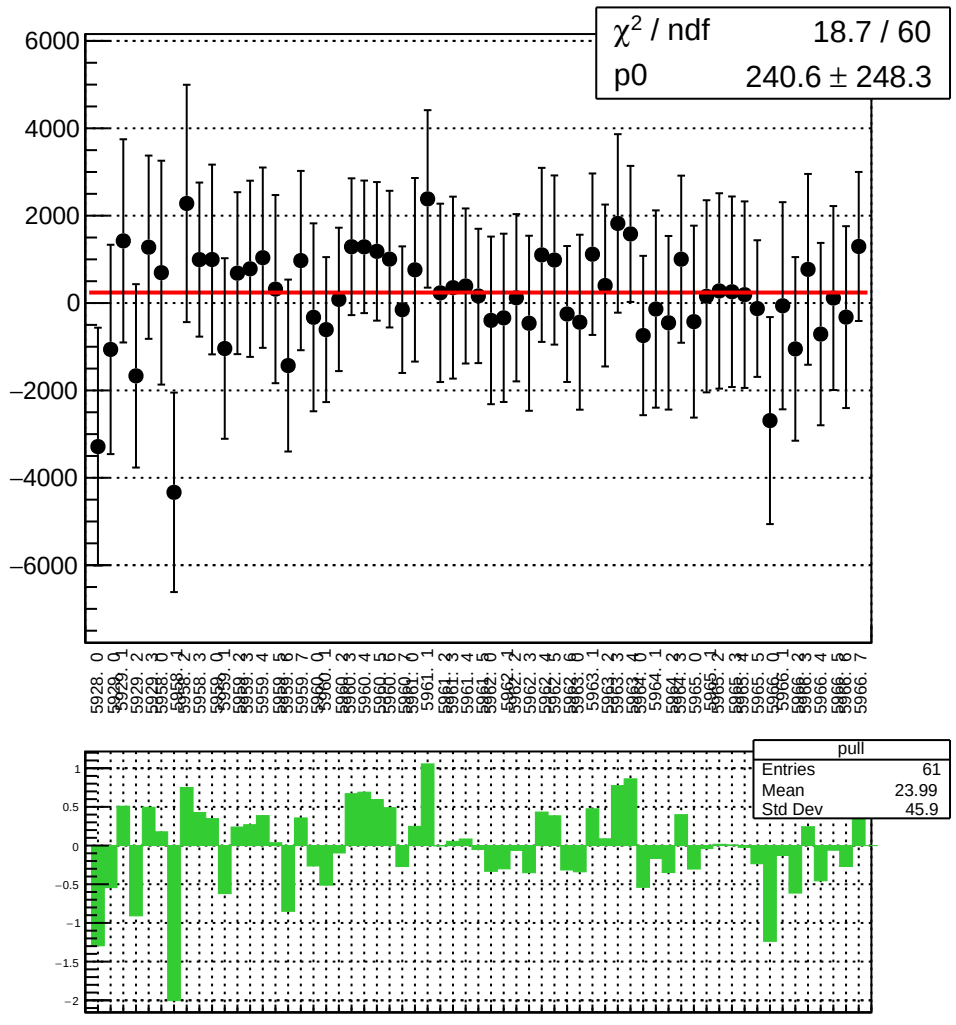

pull1D
Entries 61
Mean −0.02044
Std Dev 0.5385

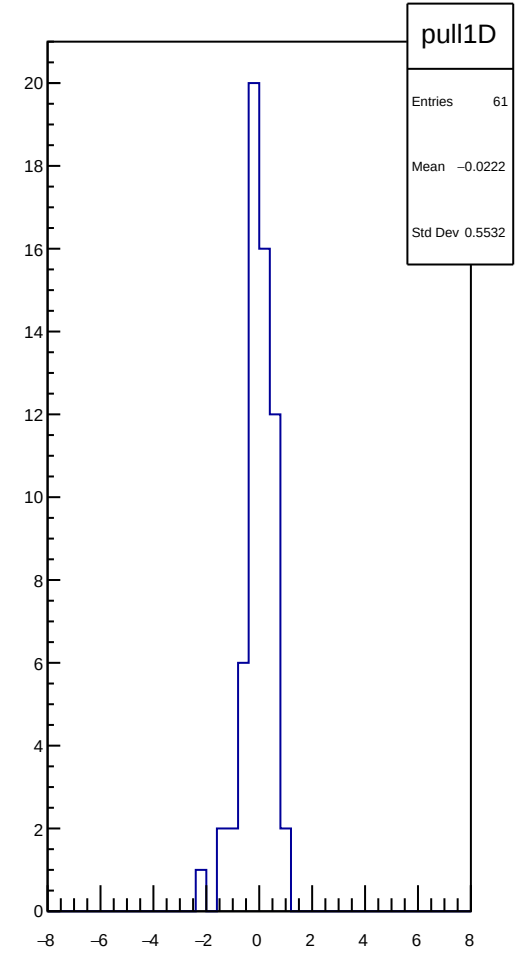

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.988e+04 / 60
p0 187.1 ± 0.1727
280
260
240
220
200
180
160
140

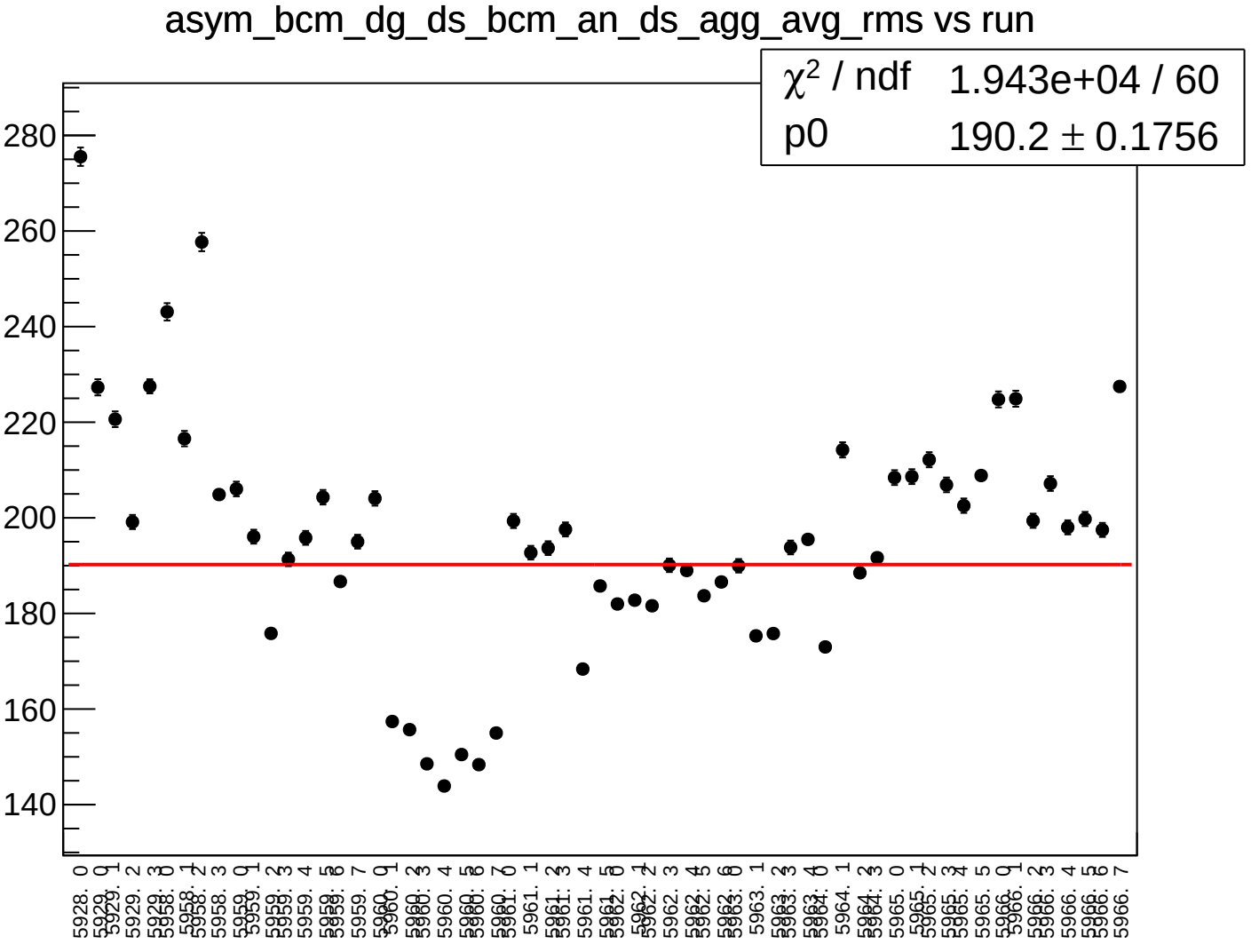

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 59.97 / 60
p0 −20.83 ± 28.99
1000
500
0
−500
−1000
pull
Entries 61
Mean 232.9
Std Dev 0
3
2
1
0
−1
−2
−3

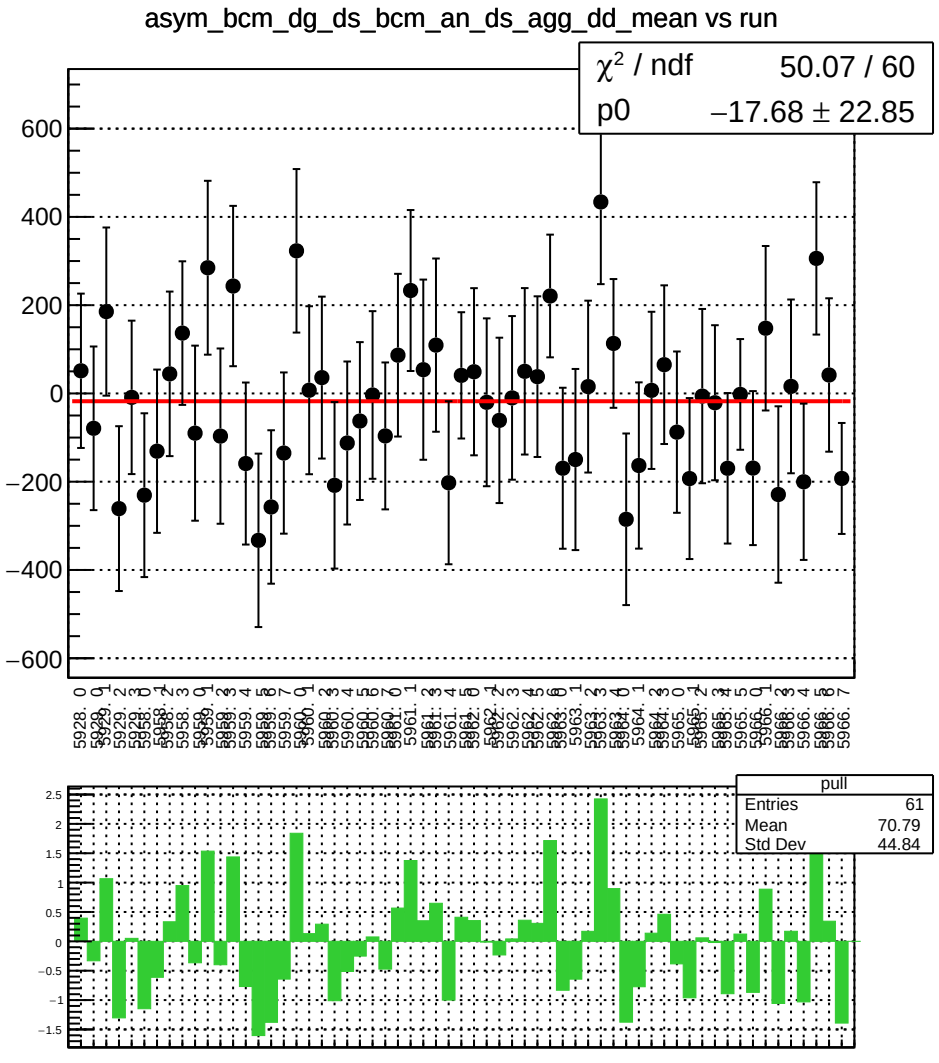

pull1D
Entries 61
Mean −0.006548
Std Dev 0.9915
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

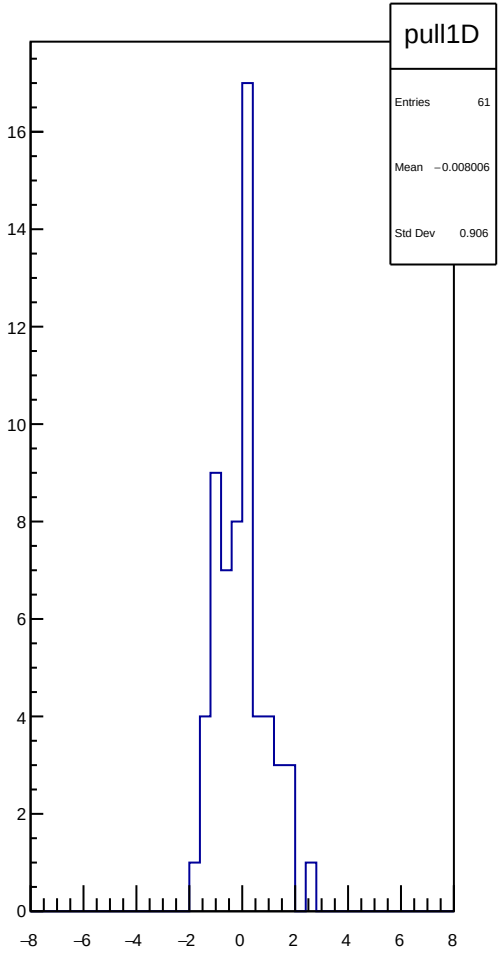

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1113 / 60
p0 22.38 ± 0.0205
24
23.5
23
22.5
22
21.5
21

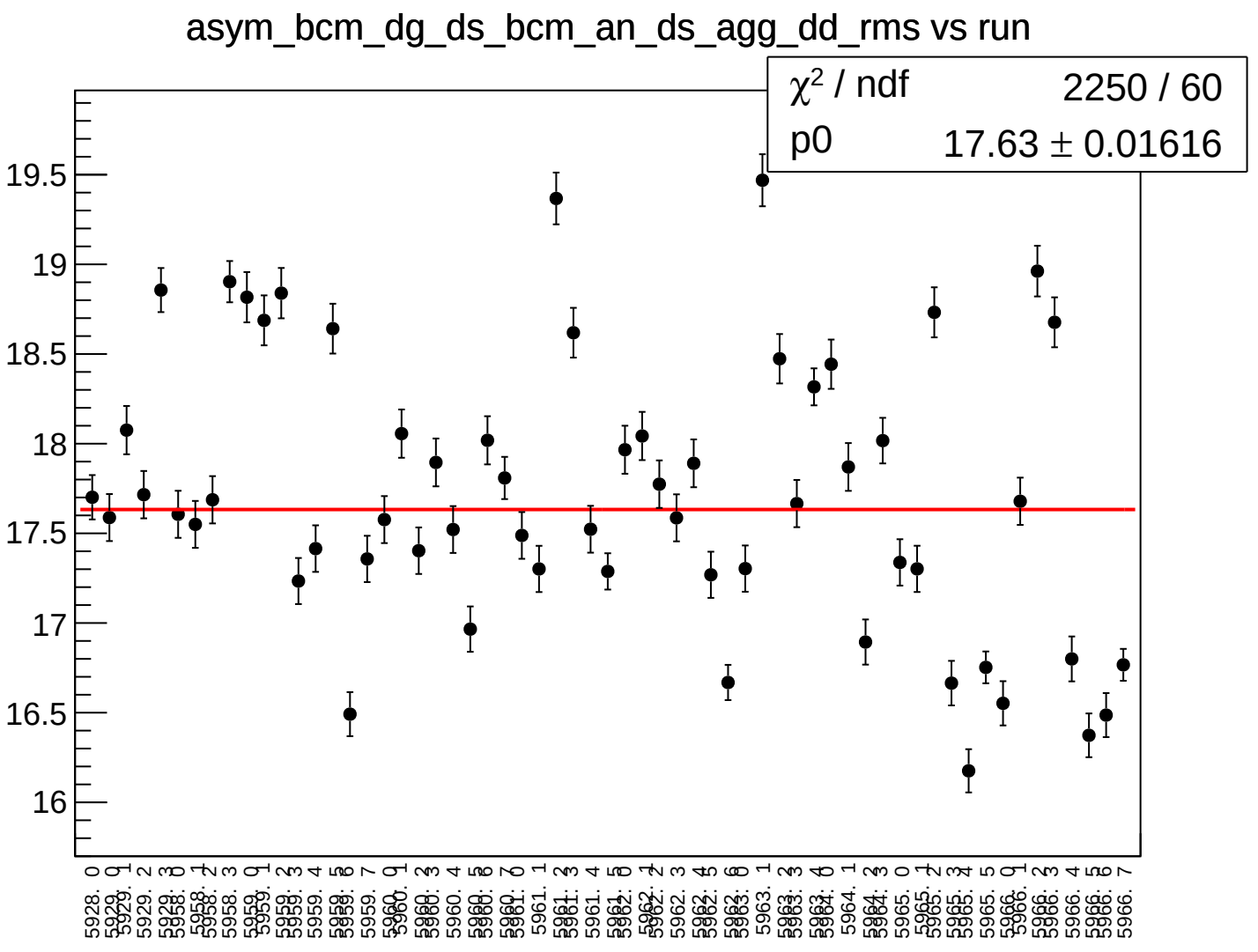

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.7 / 60
p0 240.6 ± 248.3
pull
Entries 61
Mean 23.99
Std Dev 45.9

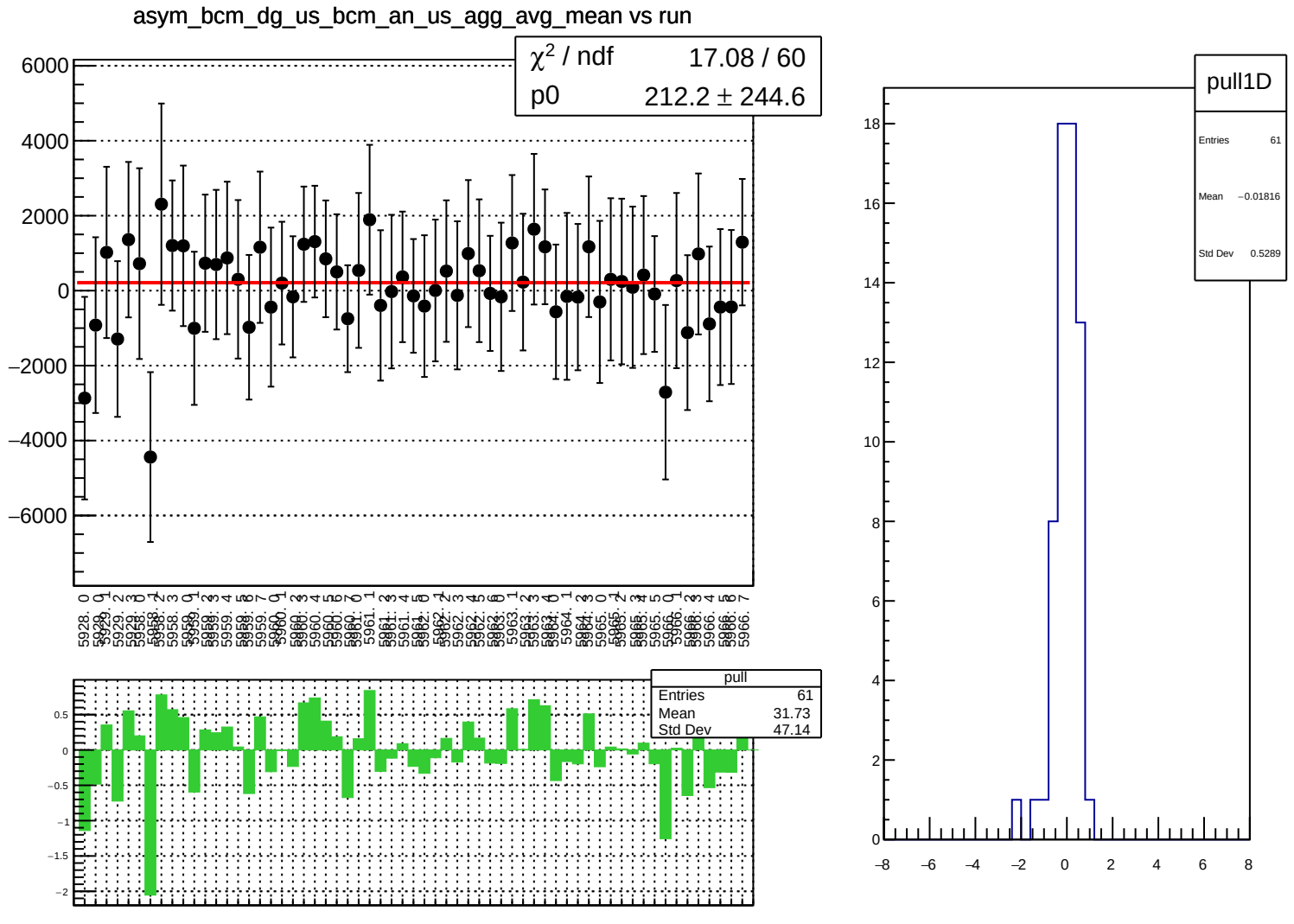

pull1D
Entries 61
Mean −0.0222
Std Dev 0.5532

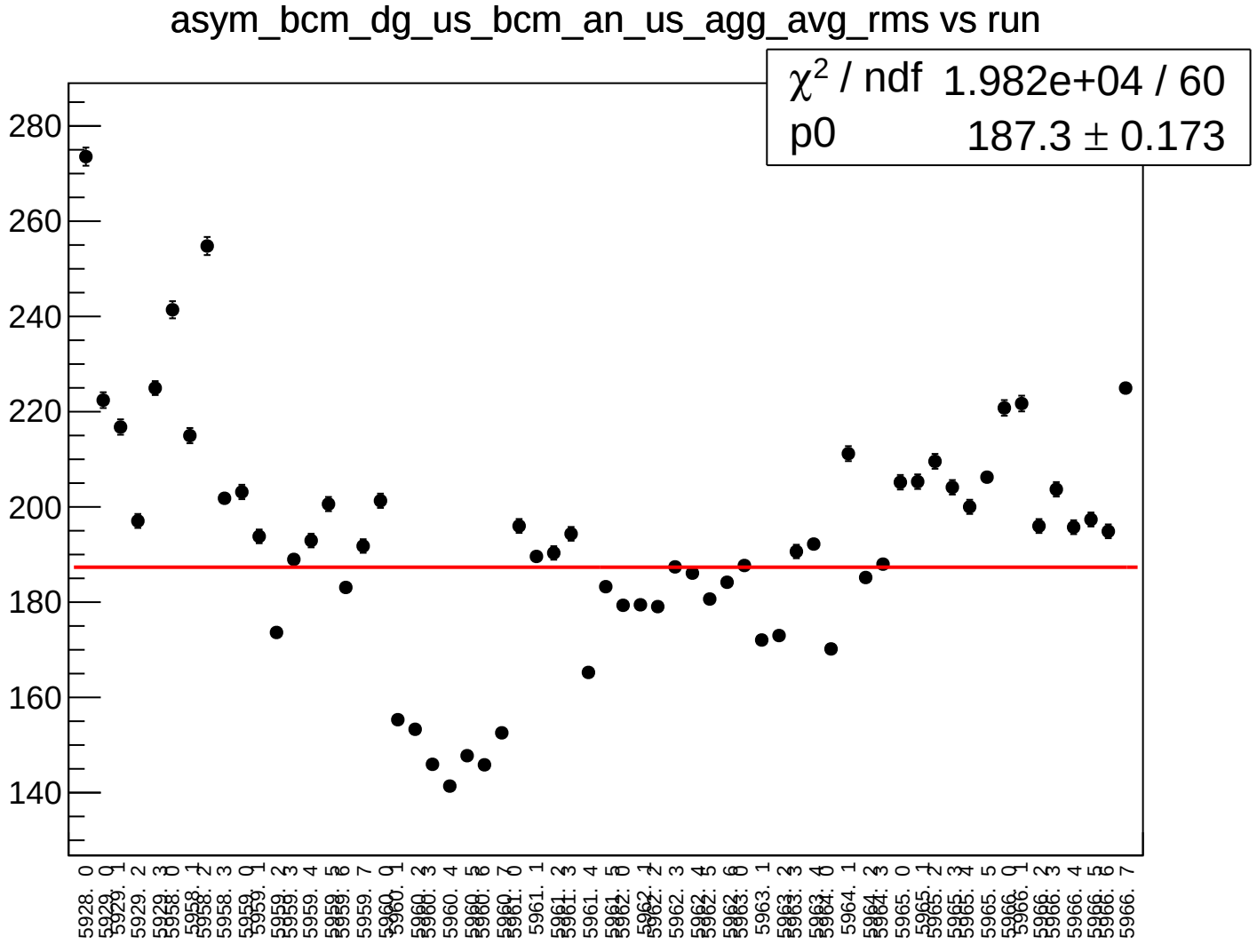

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.943e+04 / 60
p0 190.2 ± 0.1756
280
260
240
220
200
180
160
140

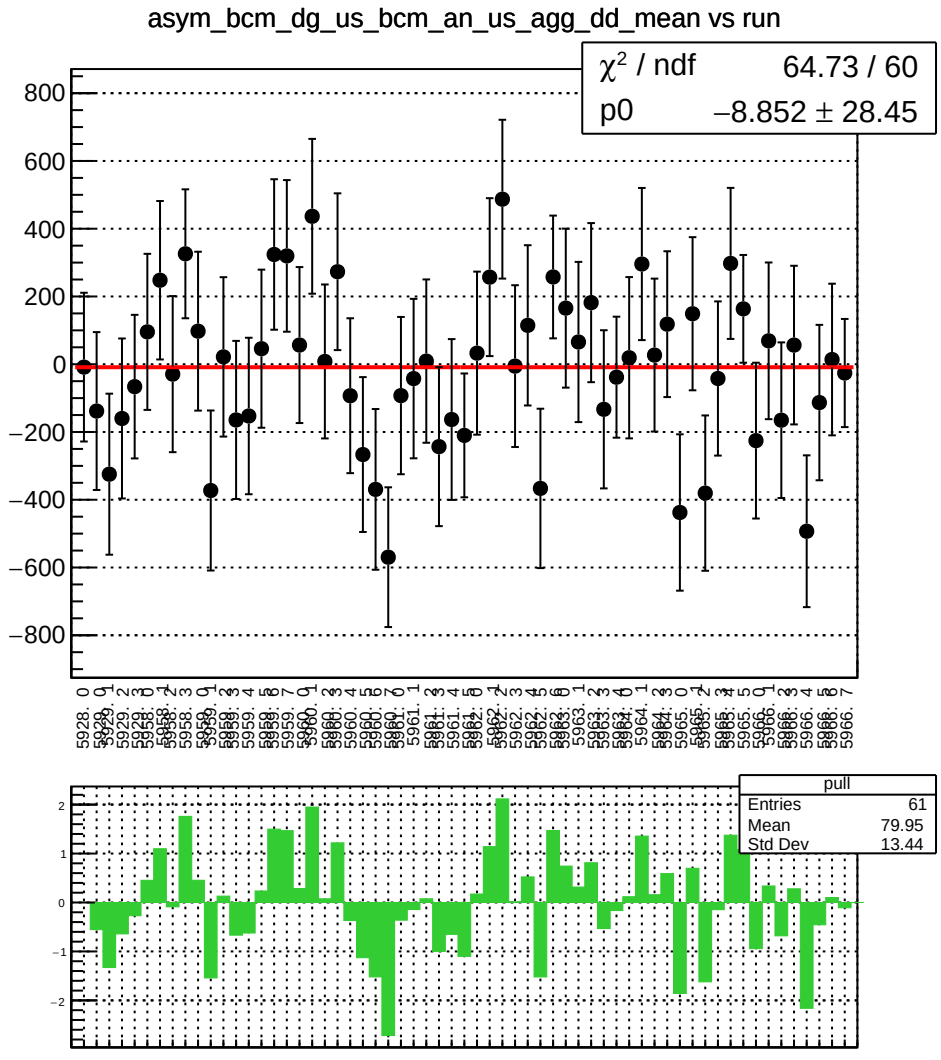

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 50.07 / 60
p0 −17.68 ± 22.85
pull
Entries 61
Mean 70.79
Std Dev 44.84

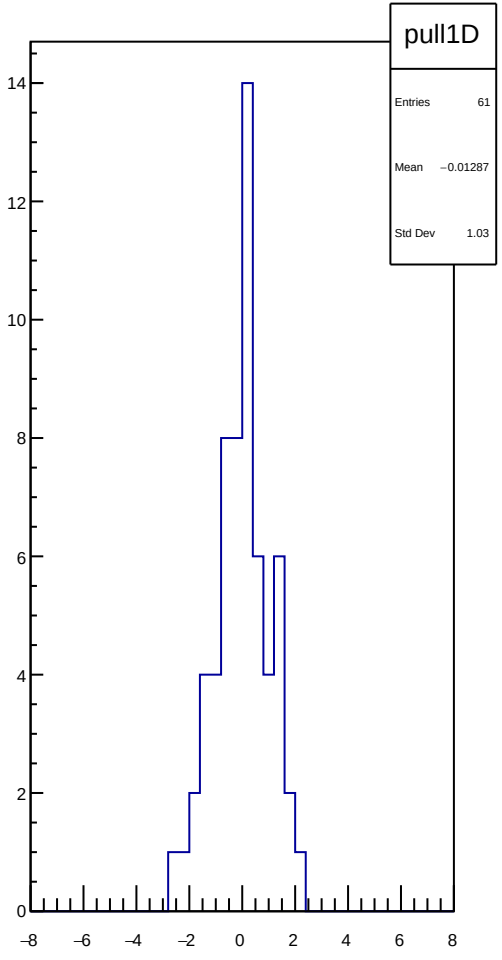

pull1D
Entries 61
Mean −0.008006
Std Dev 0.906

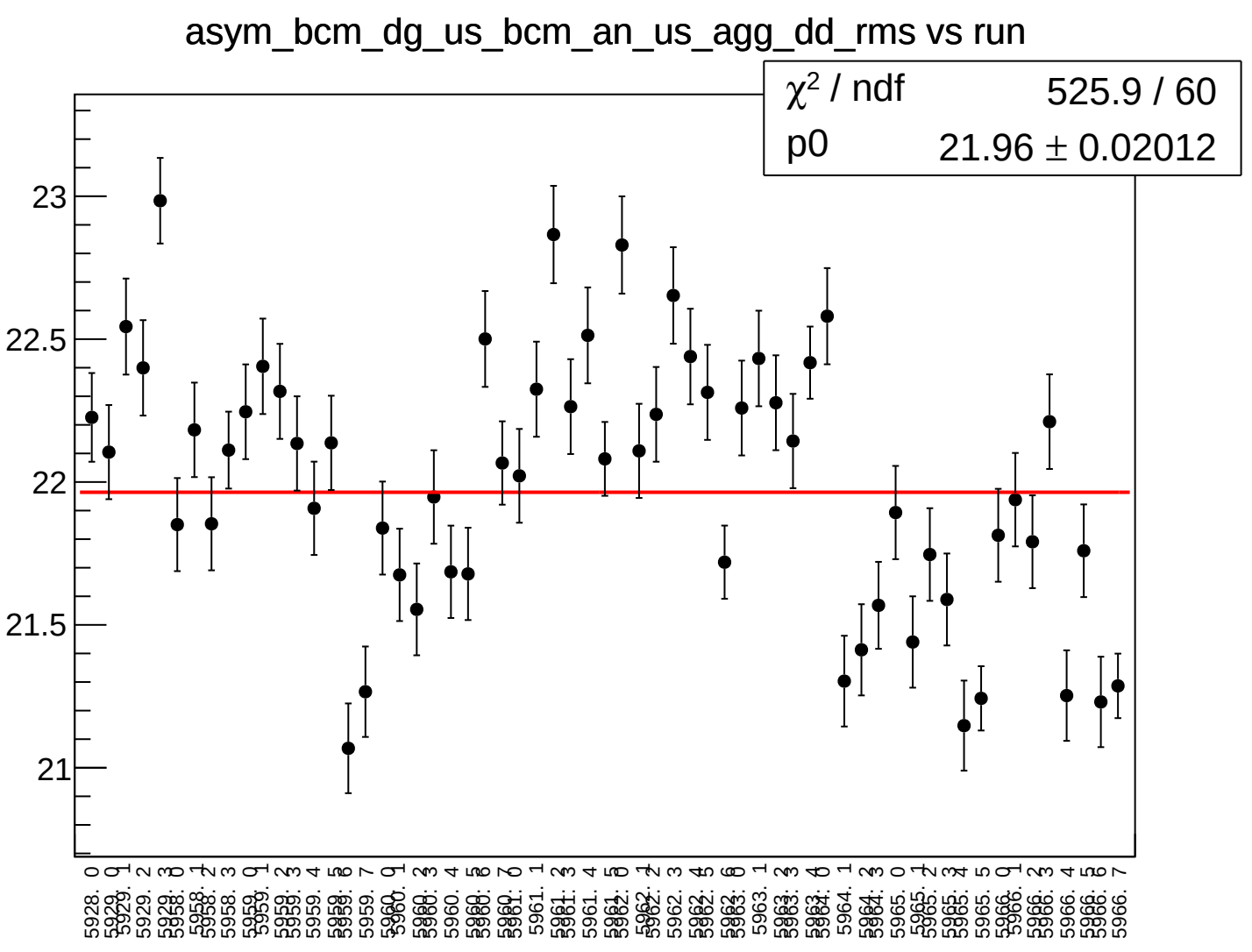

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2250 / 60
p0 17.63 ± 0.01616
19.5
19
18.5
18
17.5
17
16.5
16

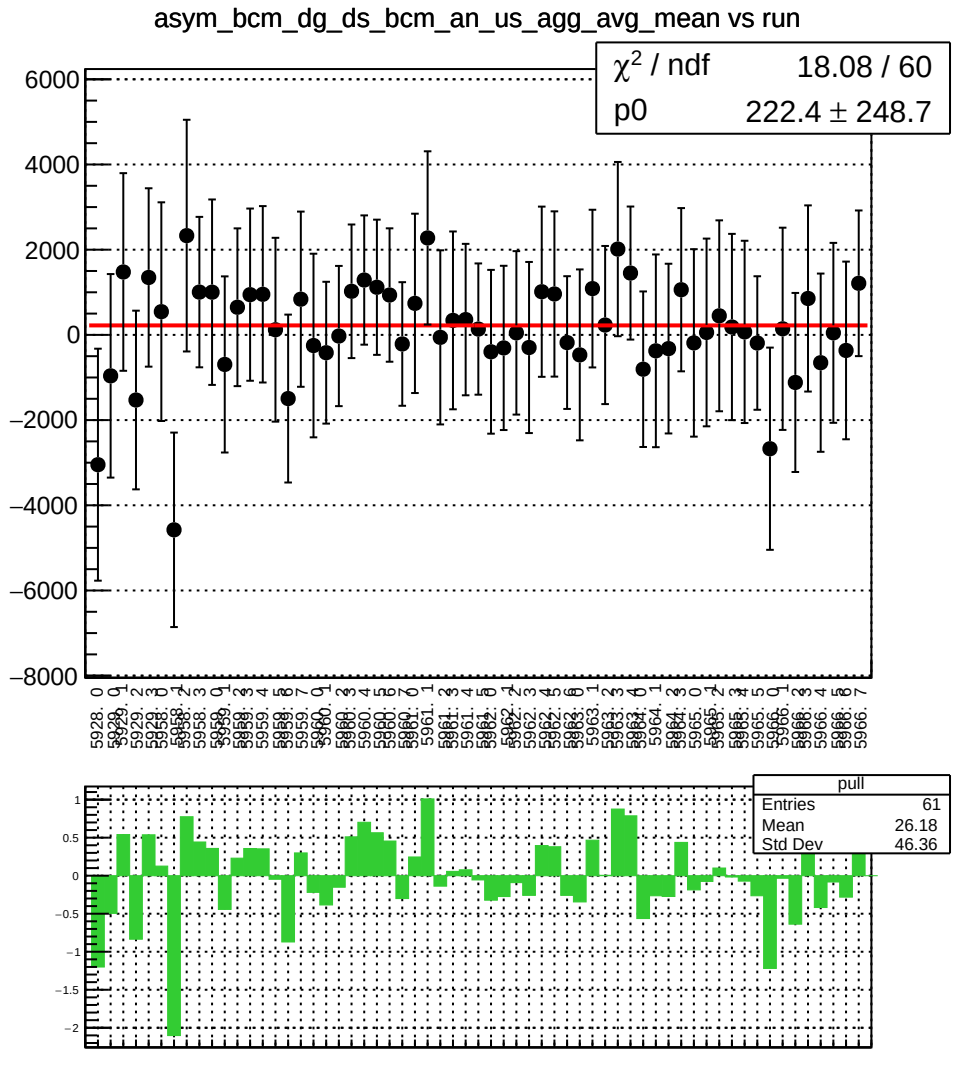

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 17.08 / 60
p0 212.2 ± 244.6
pull
Entries 61
Mean 31.73
Std Dev 47.14
pull1D
Entries 61
Mean −0.01816
Std Dev 0.5289

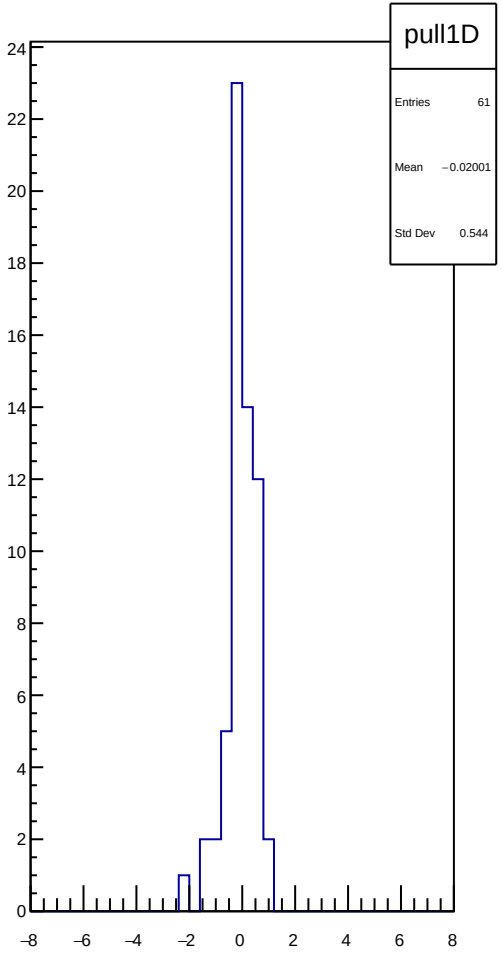

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.982e+04 / 60
p0 187.3 ± 0.173
280
260
240
220
200
180
160
140

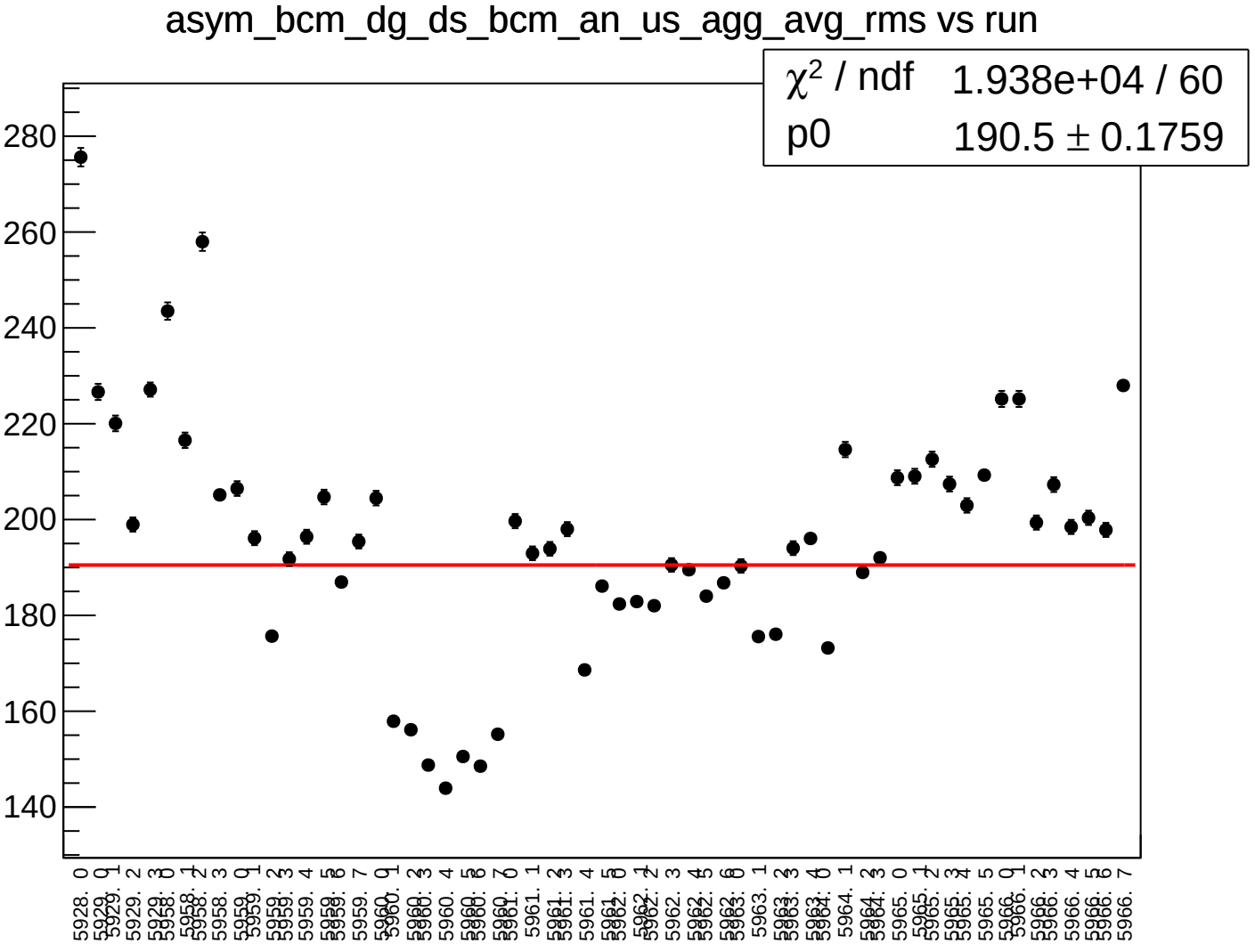

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 64.73 / 60
p0 −8.852 ± 28.45
pull
Entries 61
Mean 79.95
Std Dev 13.44

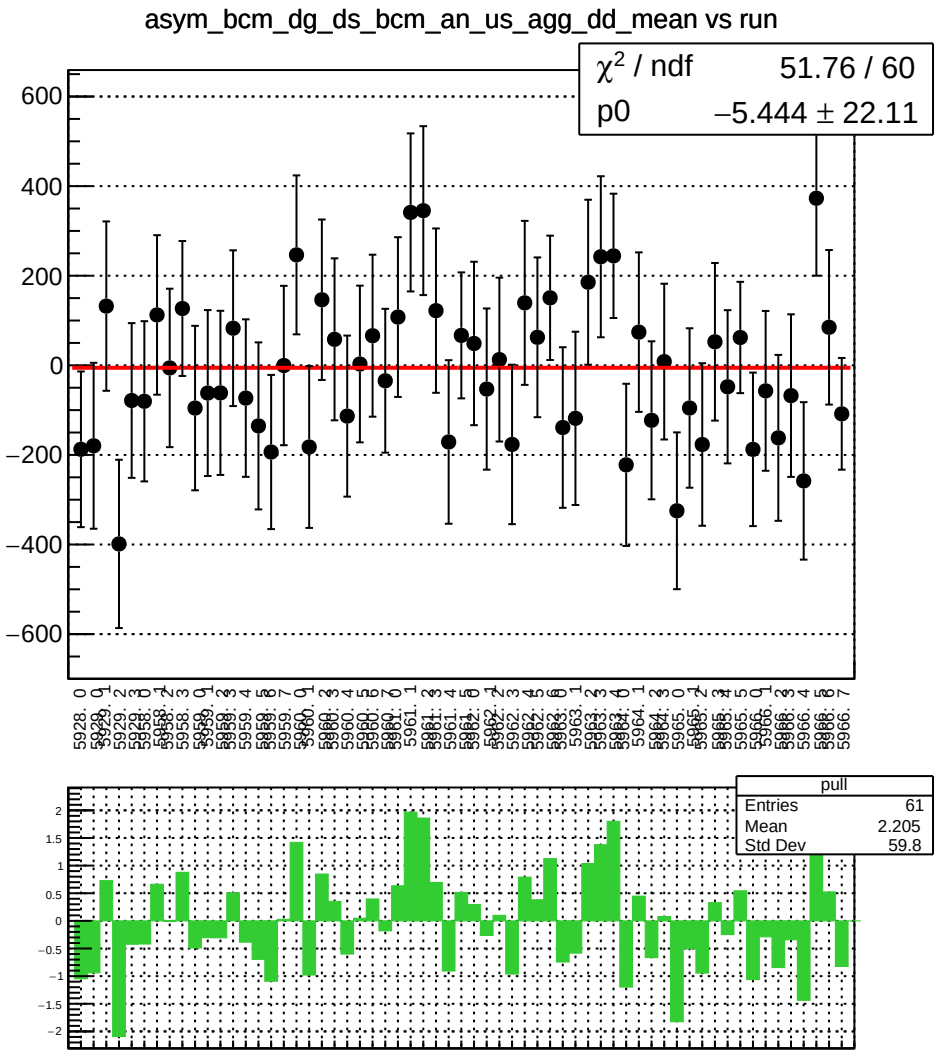

pull1D
Entries 61
Mean −0.01287
Std Dev 1.03

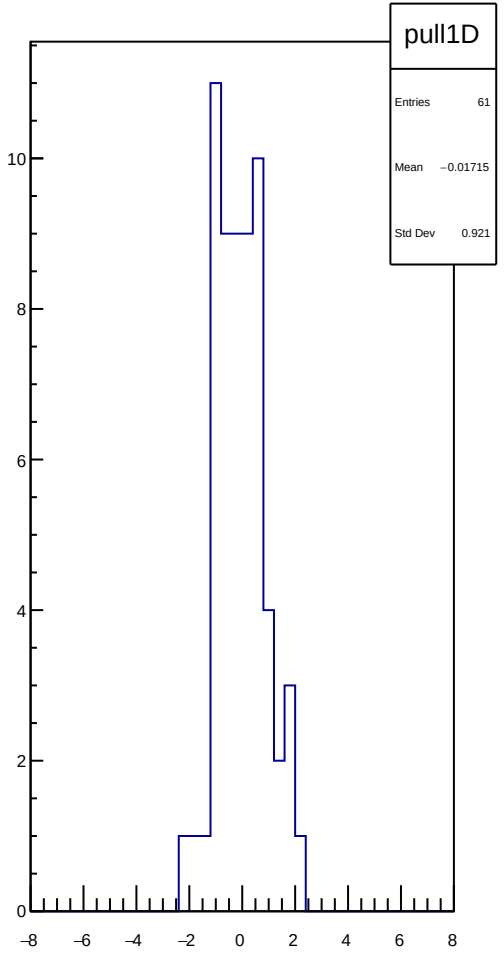

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 525.9 / 60
p0 21.96 ± 0.02012
23
22.5
22
21.5
21

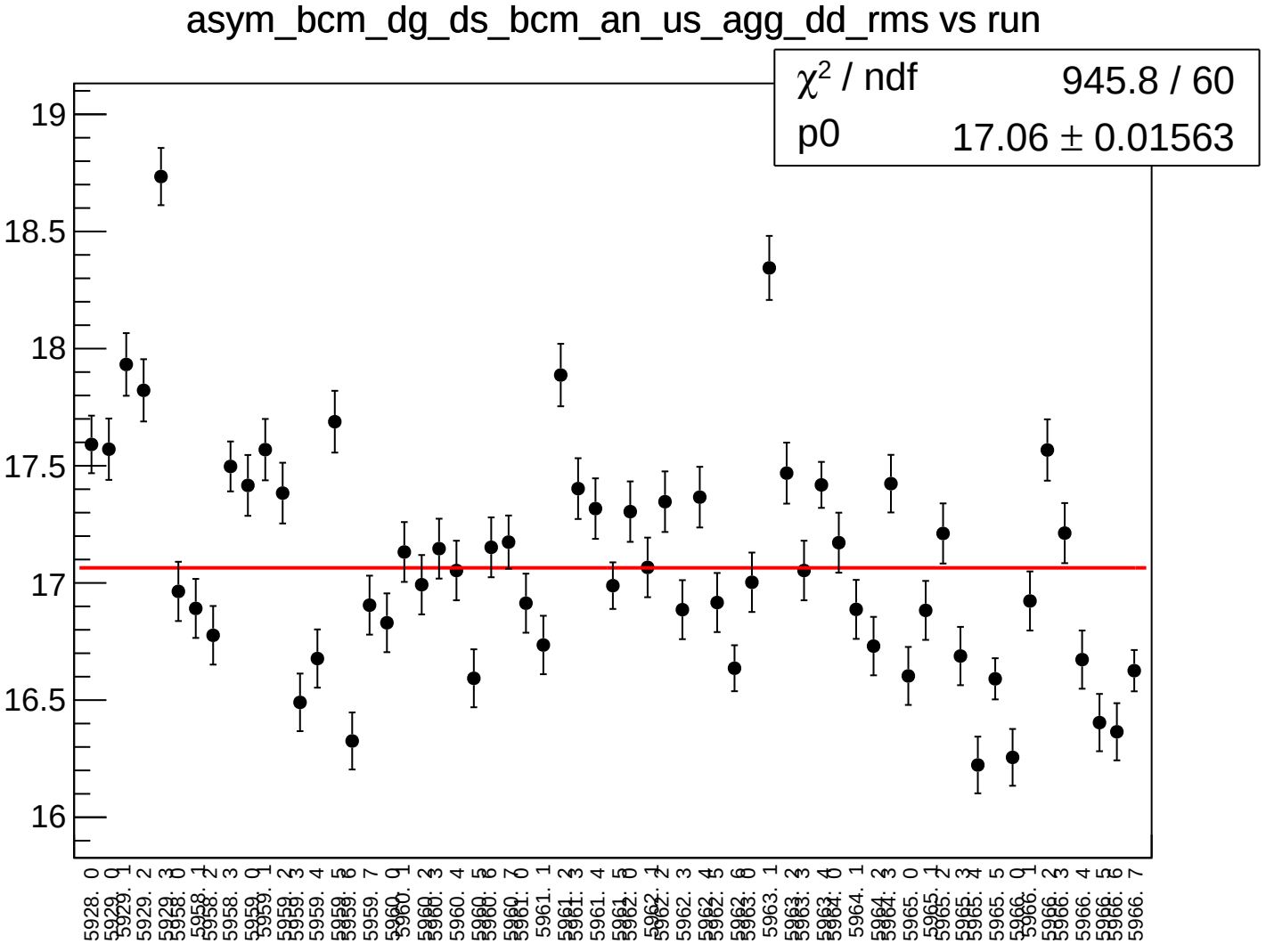

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 18.08 / 60
p0 222.4 ± 248.7
pull
Entries 61
Mean 26.18
Std Dev 46.36

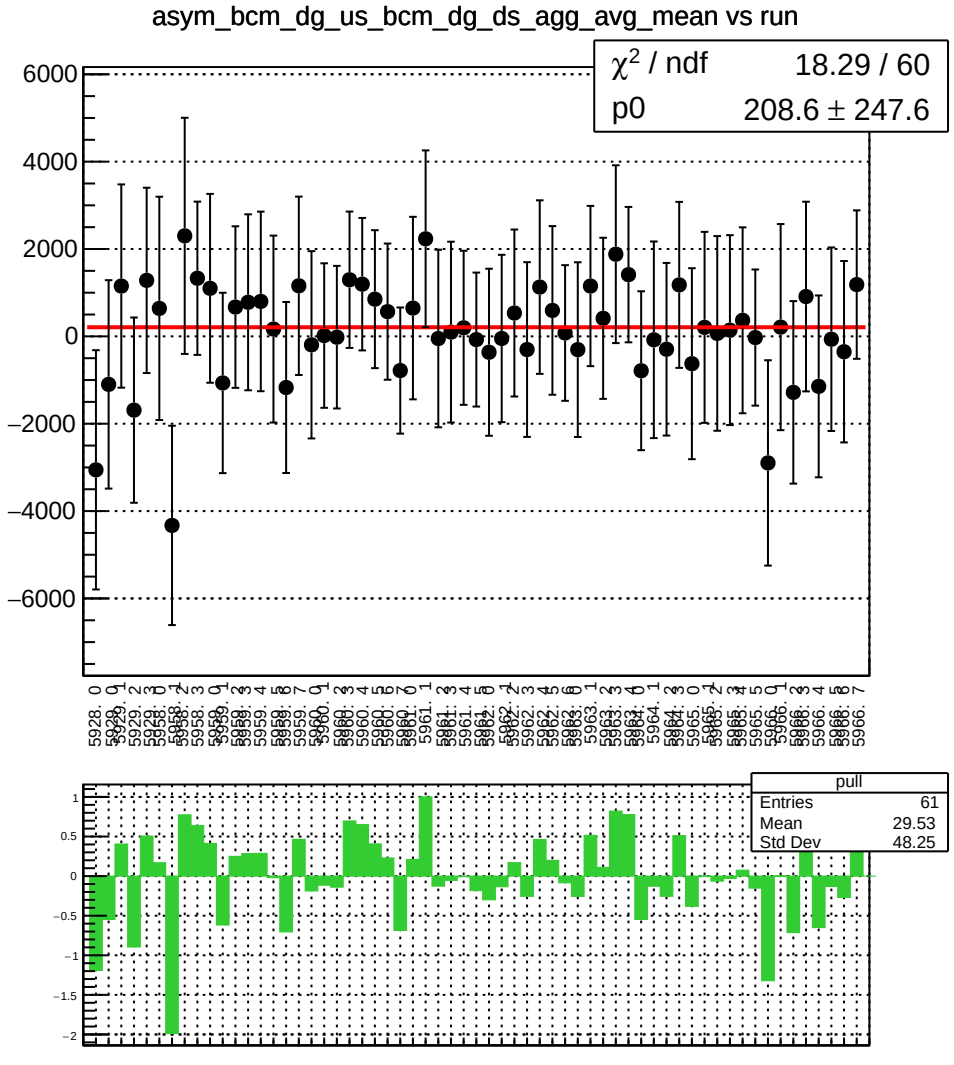

pull1D
Entries 61
Mean −0.02001
Std Dev 0.544

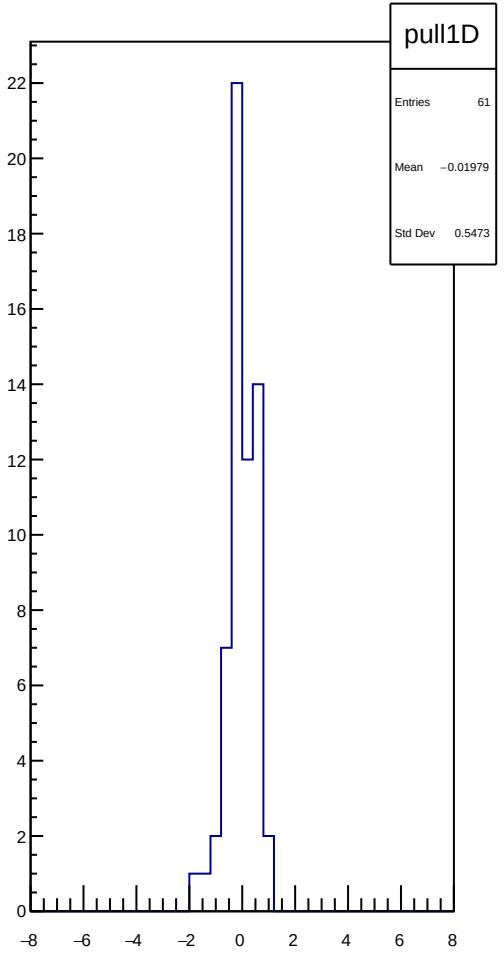

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.938e+04 / 60
p0 190.5 ± 0.1759
280
260
240
220
200
180
160
140

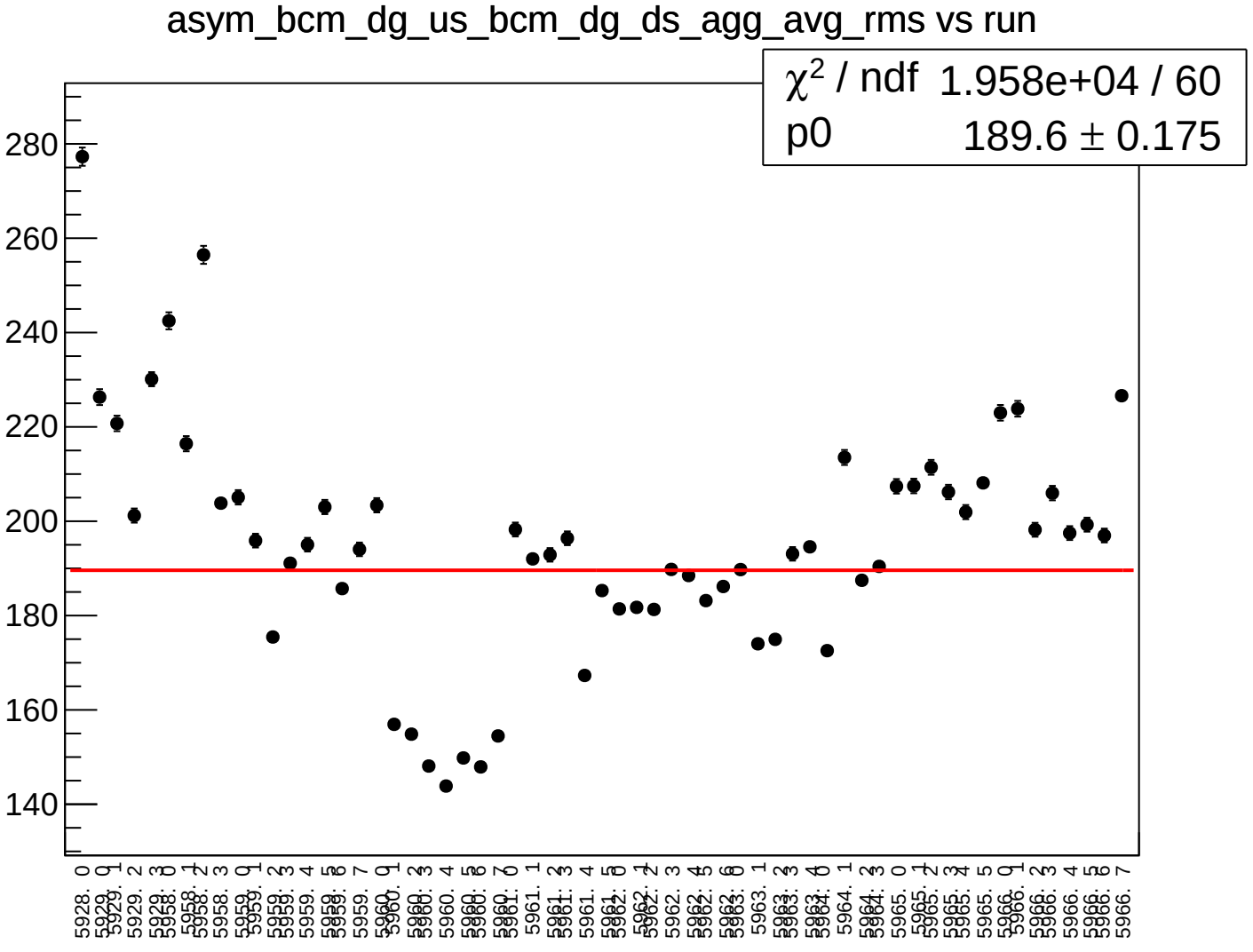

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 51.76 / 60
p0 −5.444 ± 22.11
pull
Entries 61
Mean 2.205
Std Dev 59.8

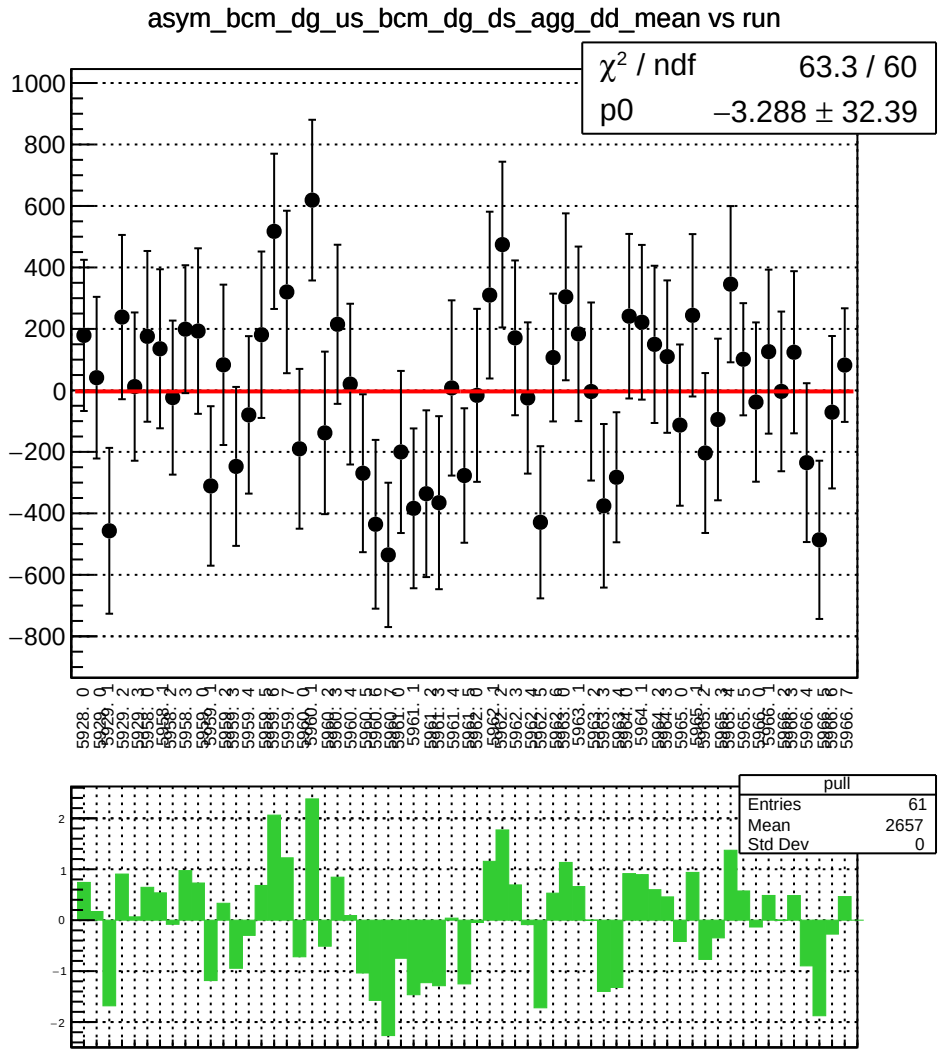

pull1D
Entries 61
Mean −0.01715
Std Dev 0.921

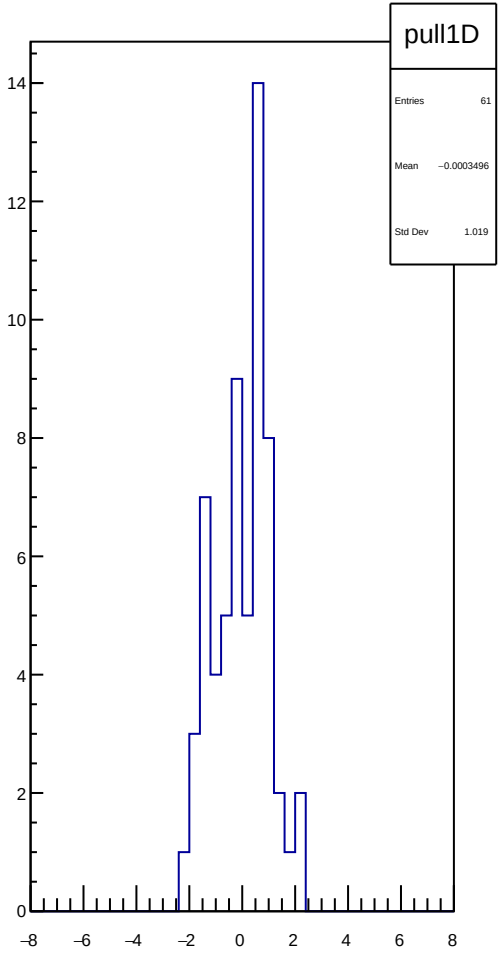

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 945.8 / 60
p0 17.06 ± 0.01563
19
18.5
18
17.5
17
16.5
16

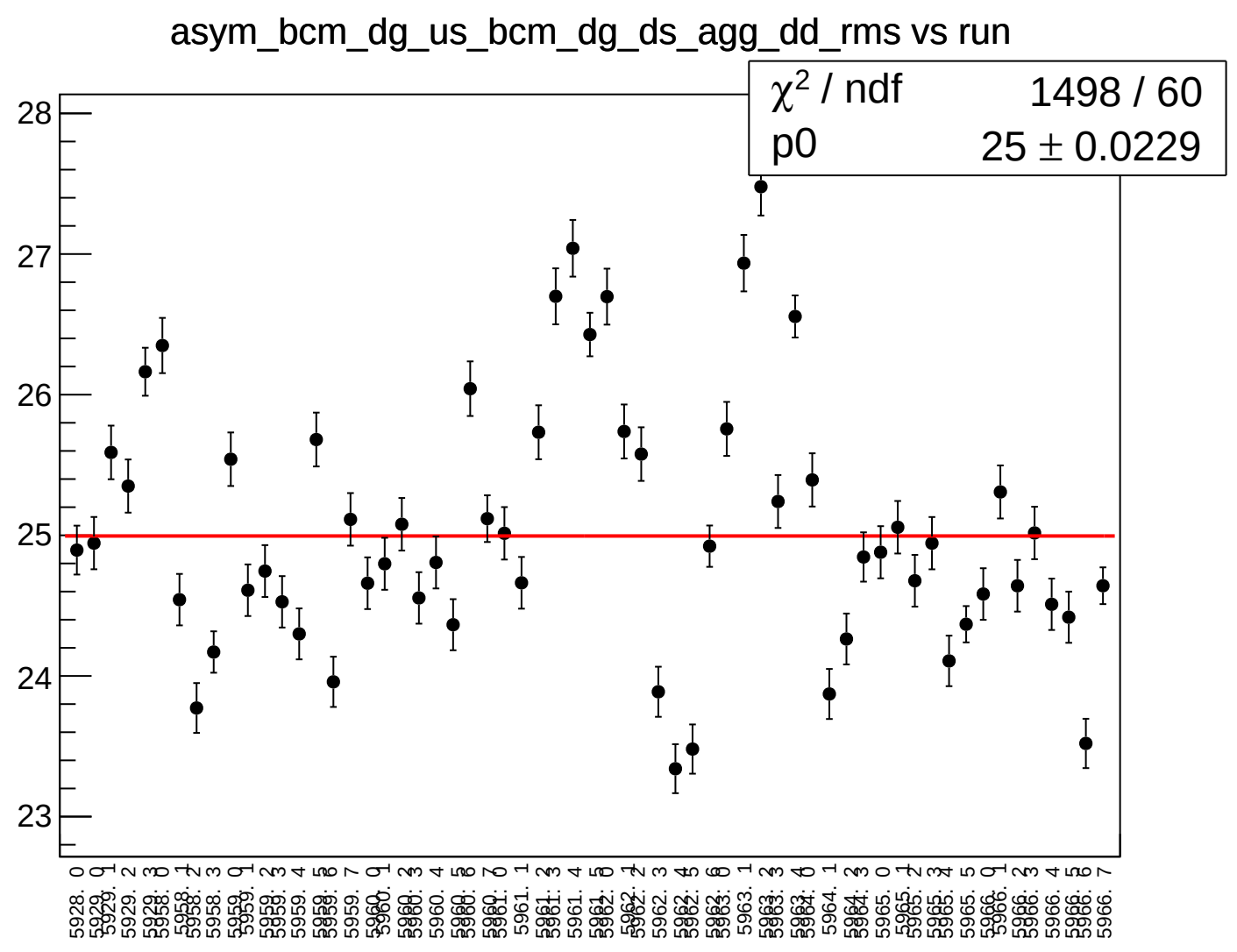

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 18.29 / 60
p0 208.6 ± 247.6
pull
Entries 61
Mean 29.53
Std Dev 48.25

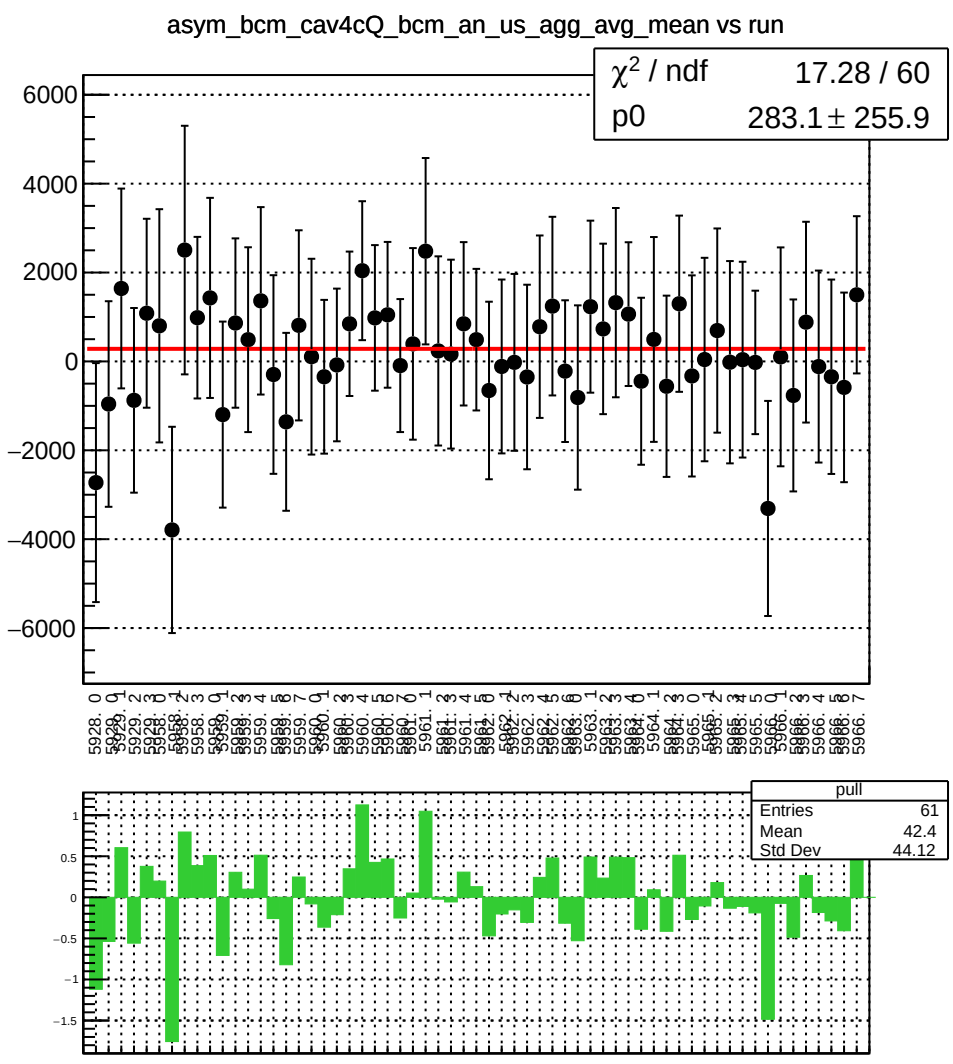

pull1D
Entries 61
Mean −0.01979
Std Dev 0.5473

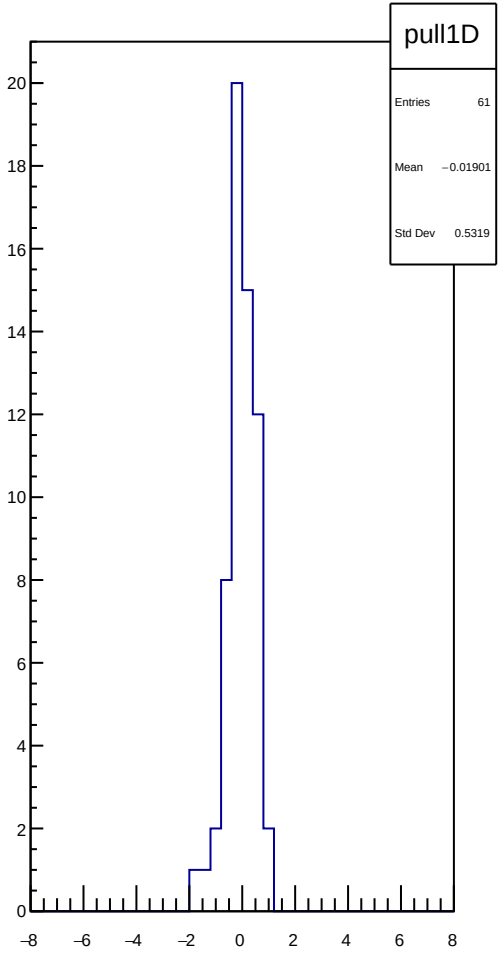

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.958e+04 / 60
p0 189.6 ± 0.175
280
260
240
220
200
180
160
140

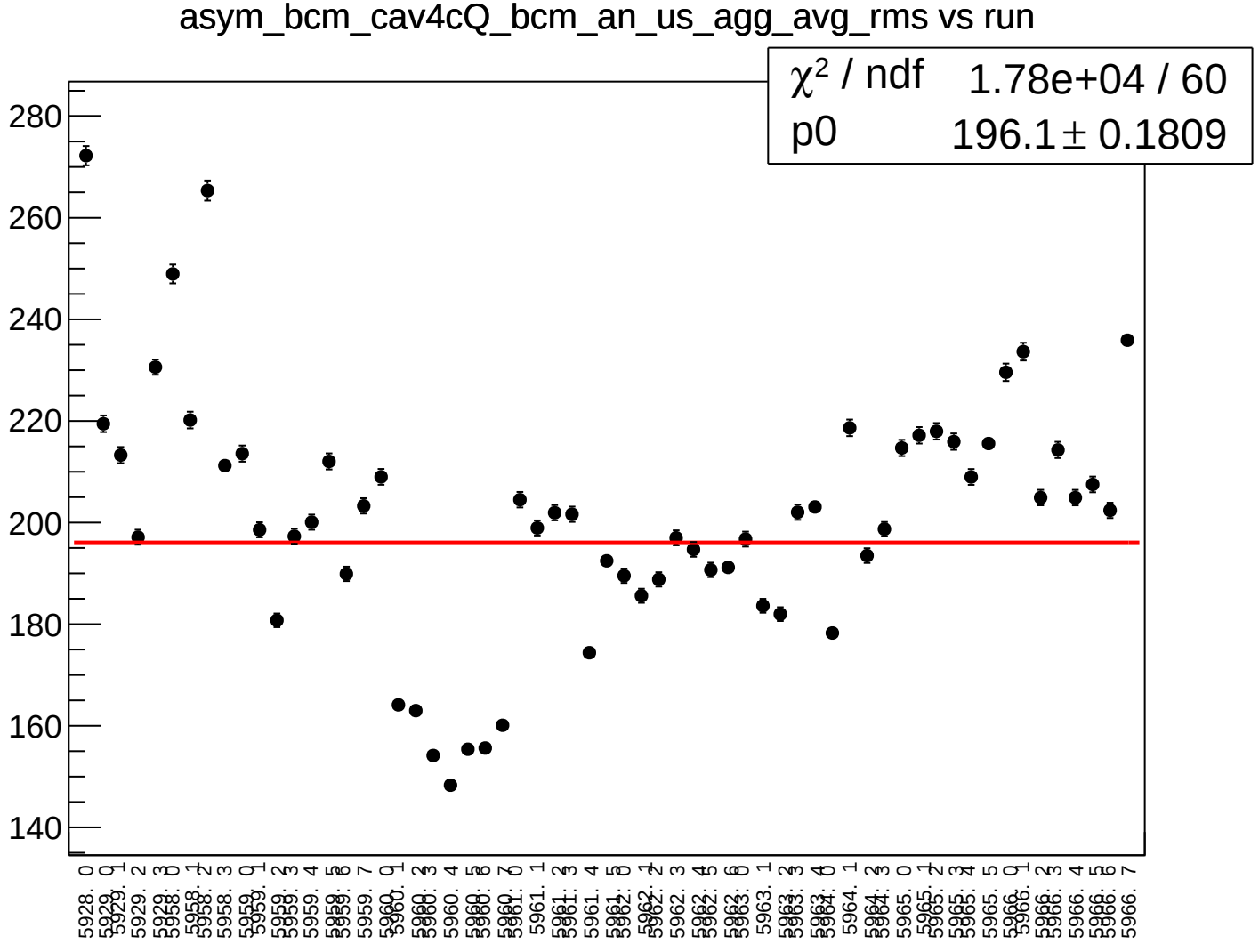

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 63.3 / 60
p0 −3.288 ± 32.39
pull
Entries 61
Mean 2657
Std Dev 0

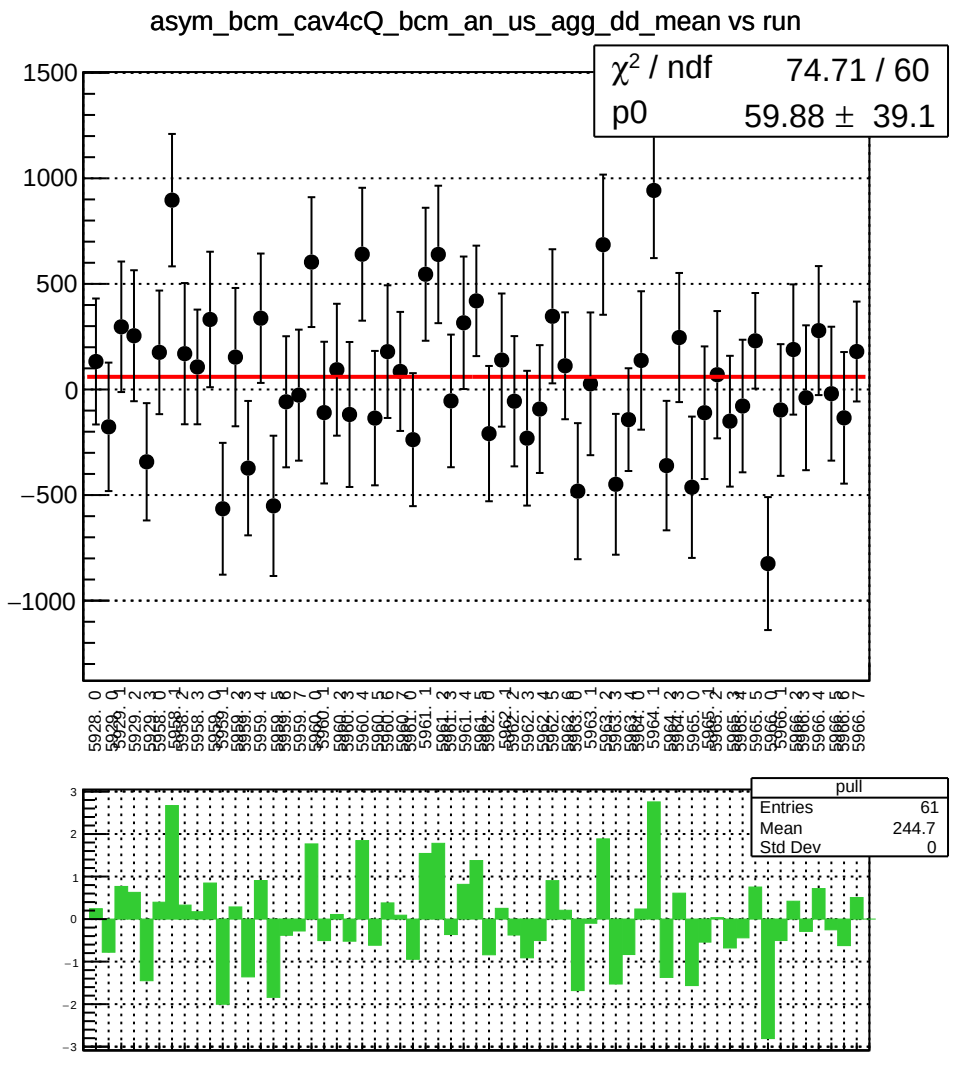

pull1D
Entries 61
Mean −0.0003496
Std Dev 1.019

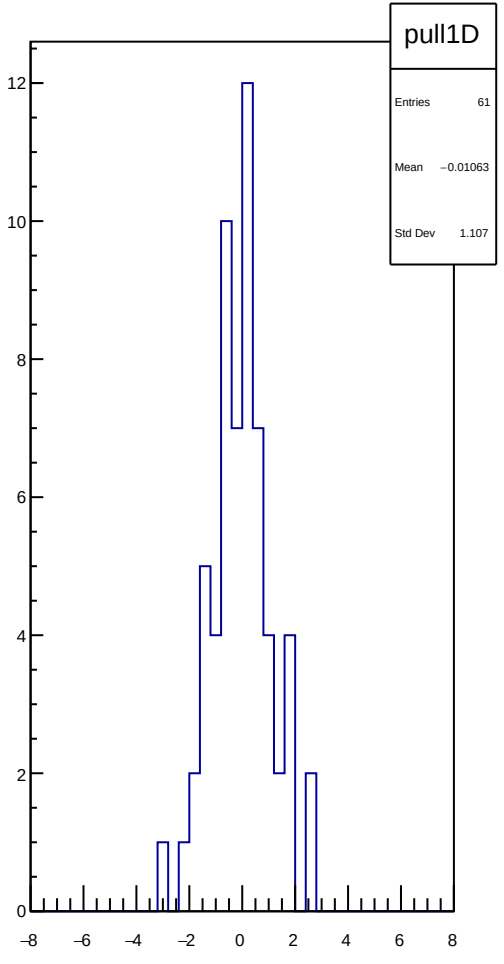

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1498 / 60
p0 25 ± 0.0229
28
27
26
25
24
23

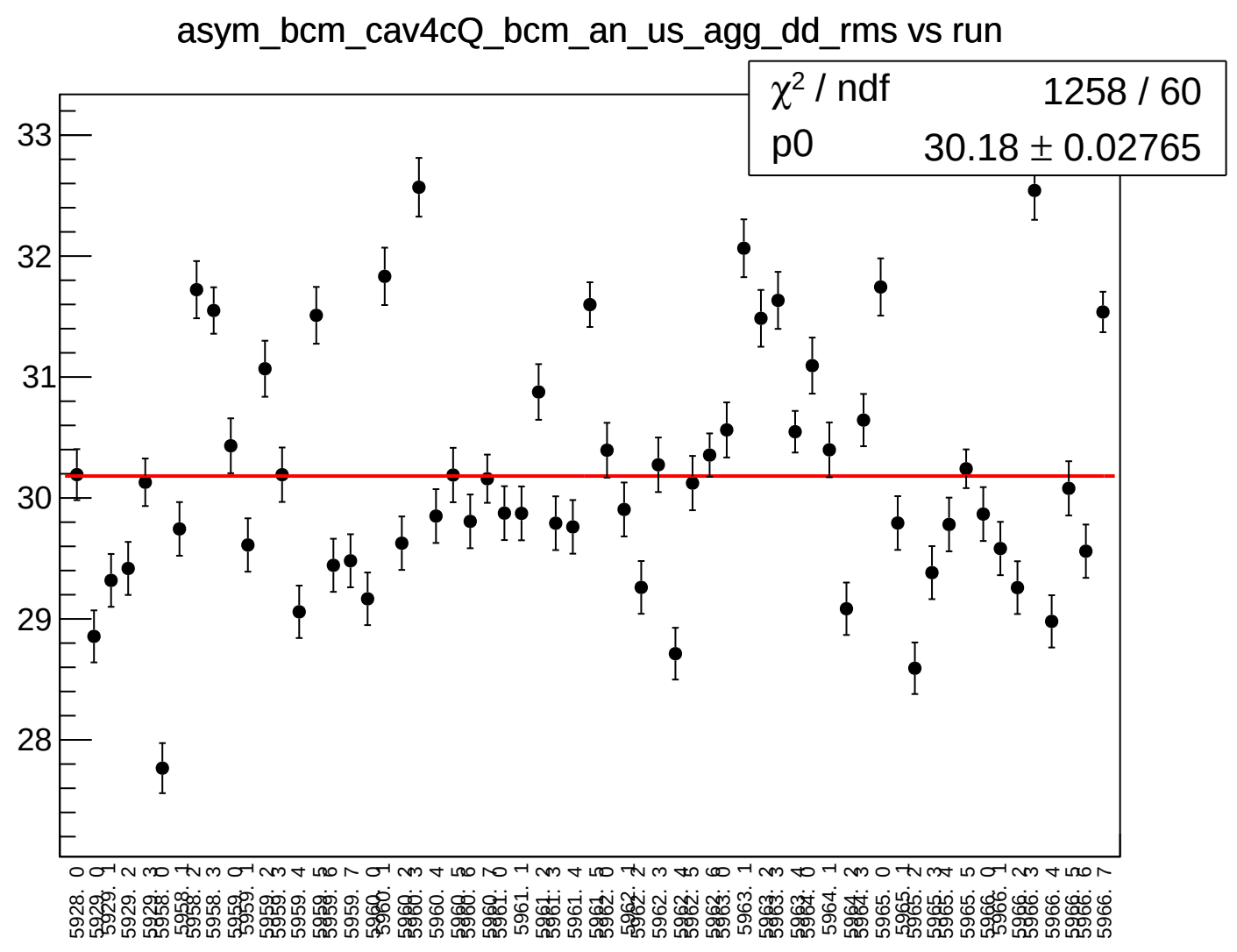

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 17.28 / 60
p0 283.1 ± 255.9
pull
Entries 61
Mean 42.4
Std Dev 44.12

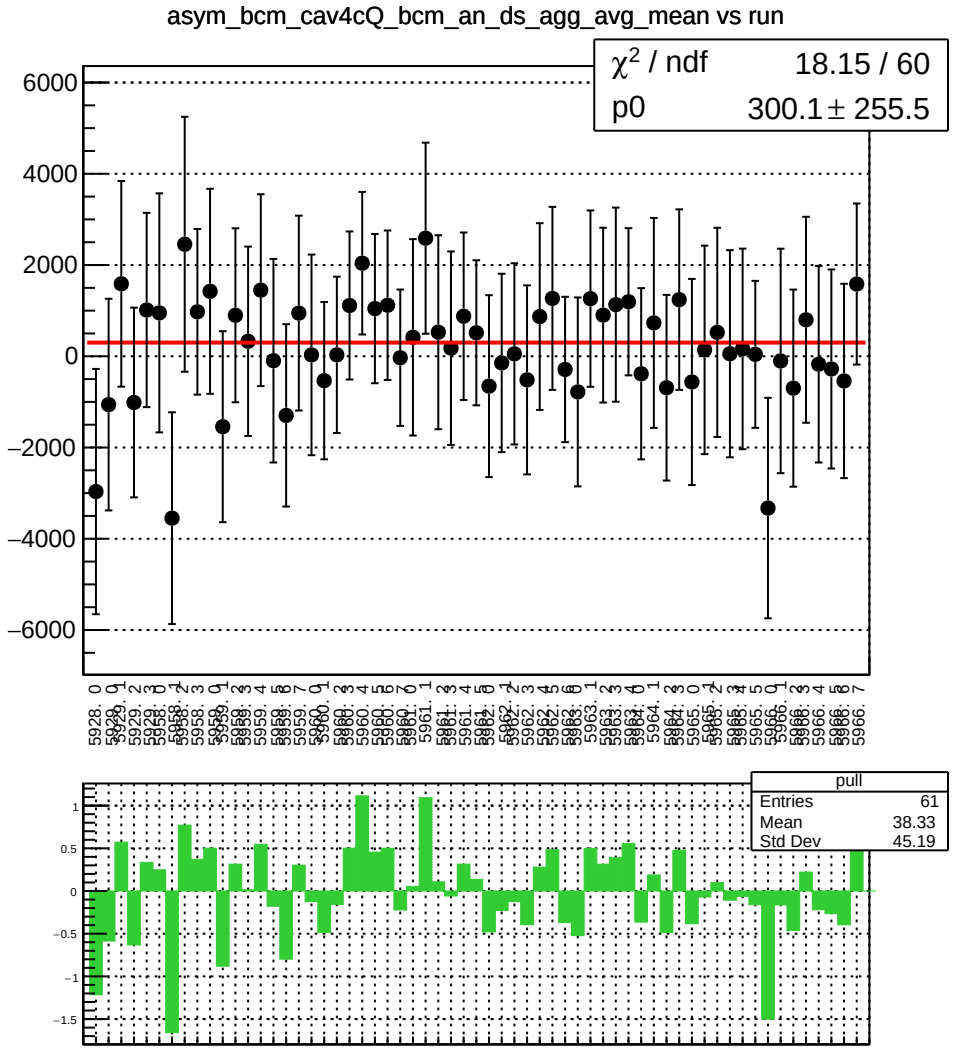

pull1D
Entries 61
Mean −0.01901
Std Dev 0.5319

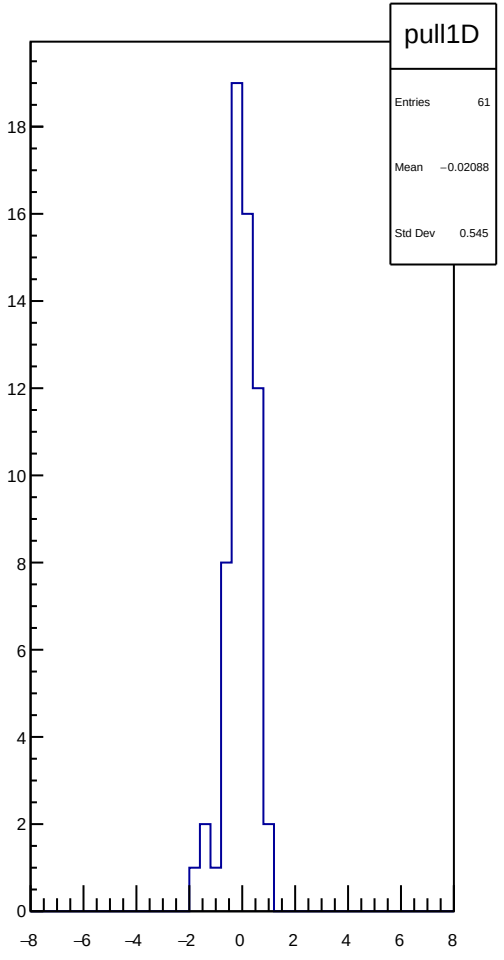

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.78e+04 / 60
p0 196.1 ± 0.1809
280
260
240
220
200
180
160
140

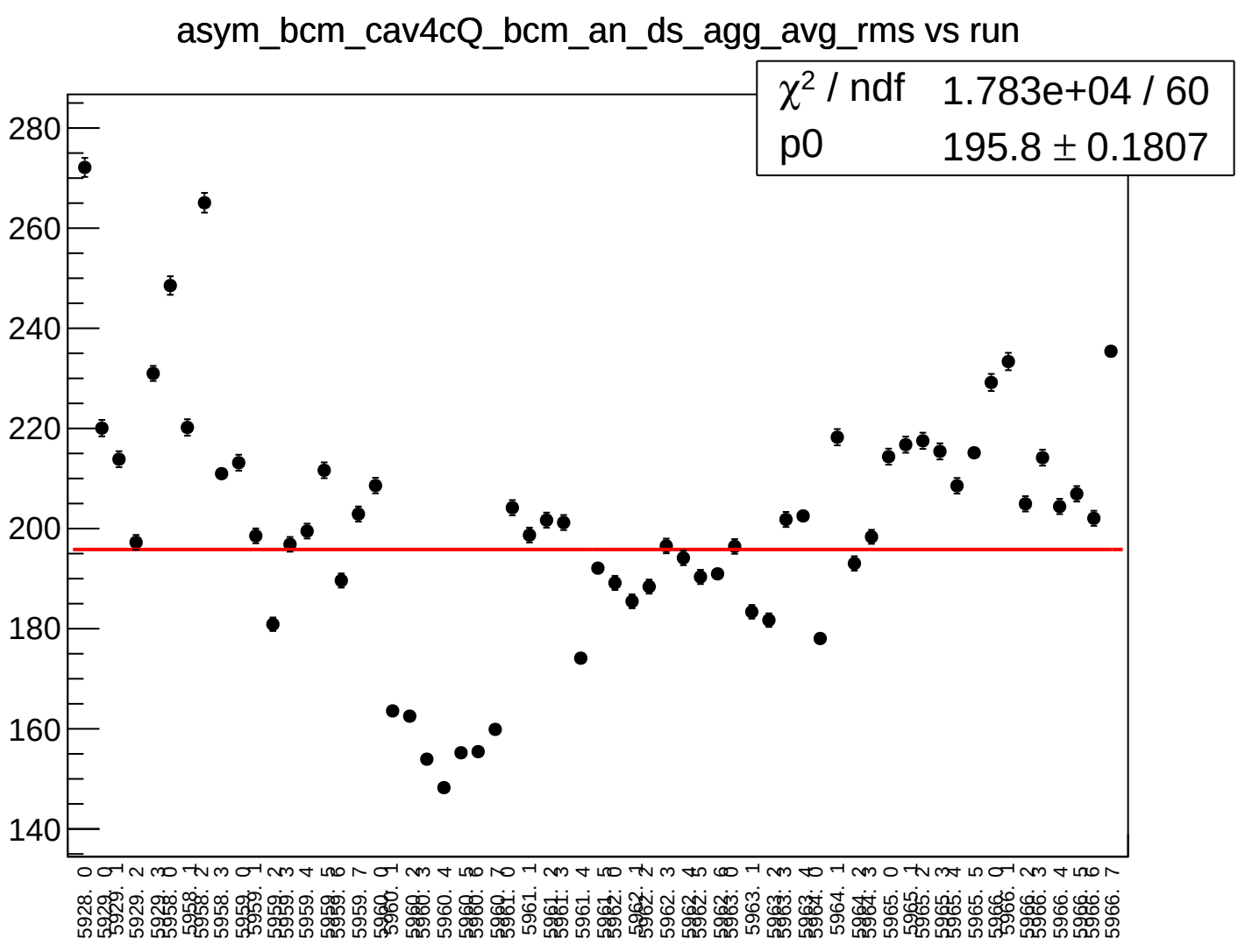

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 74.71 / 60
p0 59.88 ± 39.1
pull
Entries 61
Mean 244.7
Std Dev 0

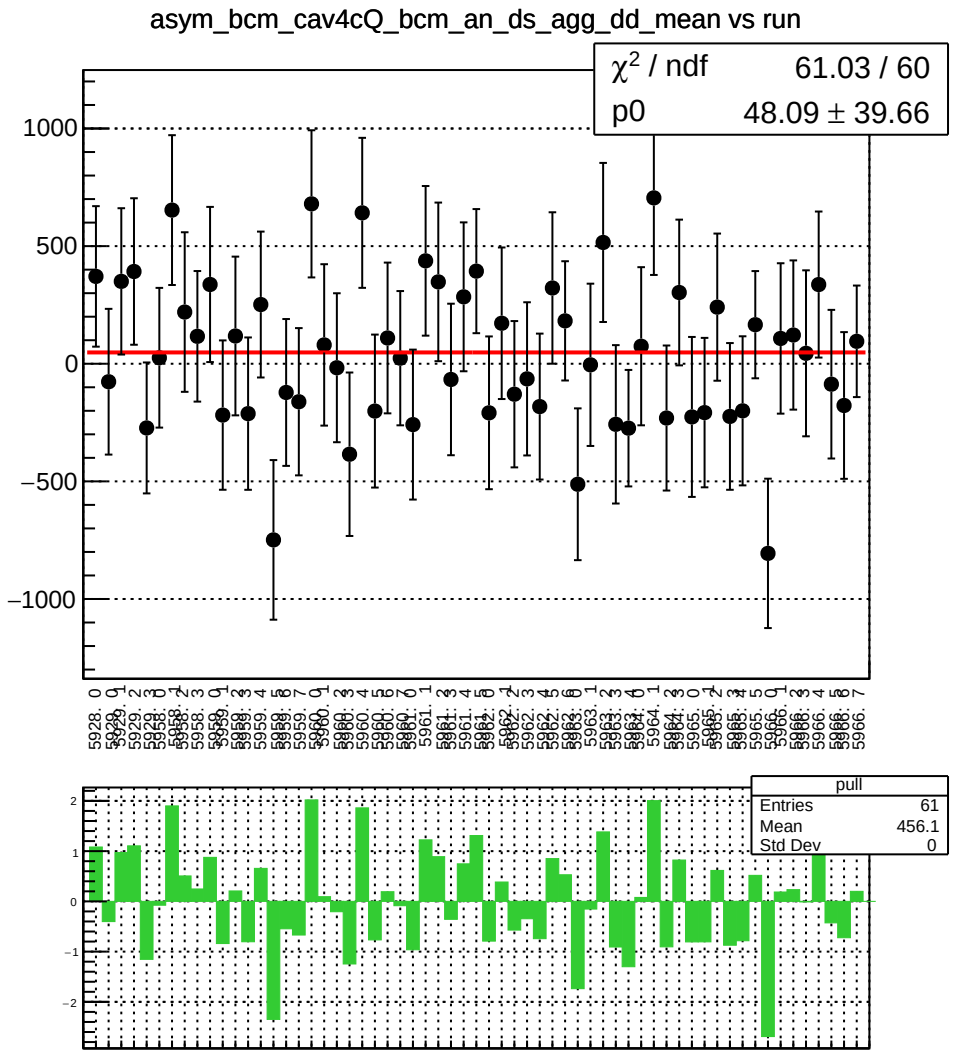

pull1D
Entries 61
Mean −0.01063
Std Dev 1.107

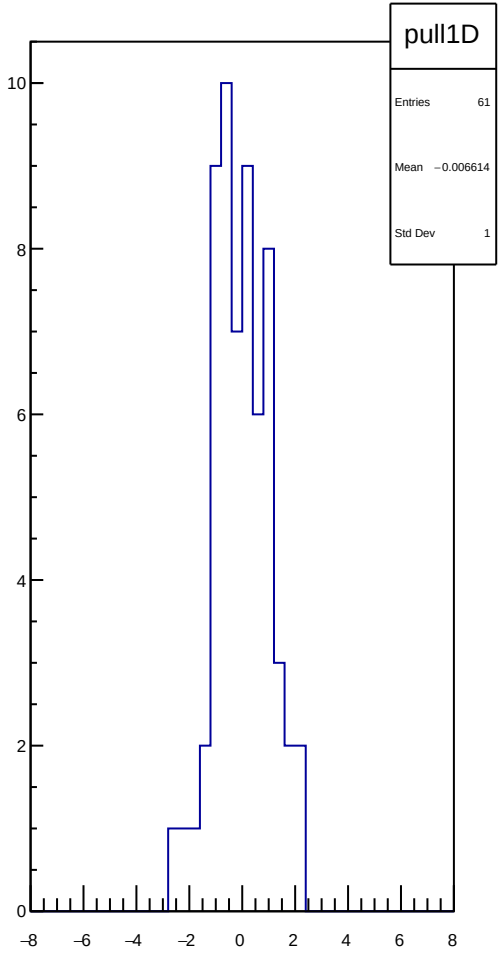

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1258 / 60
p0 30.18 ± 0.02765
33
32
31
30
29
28

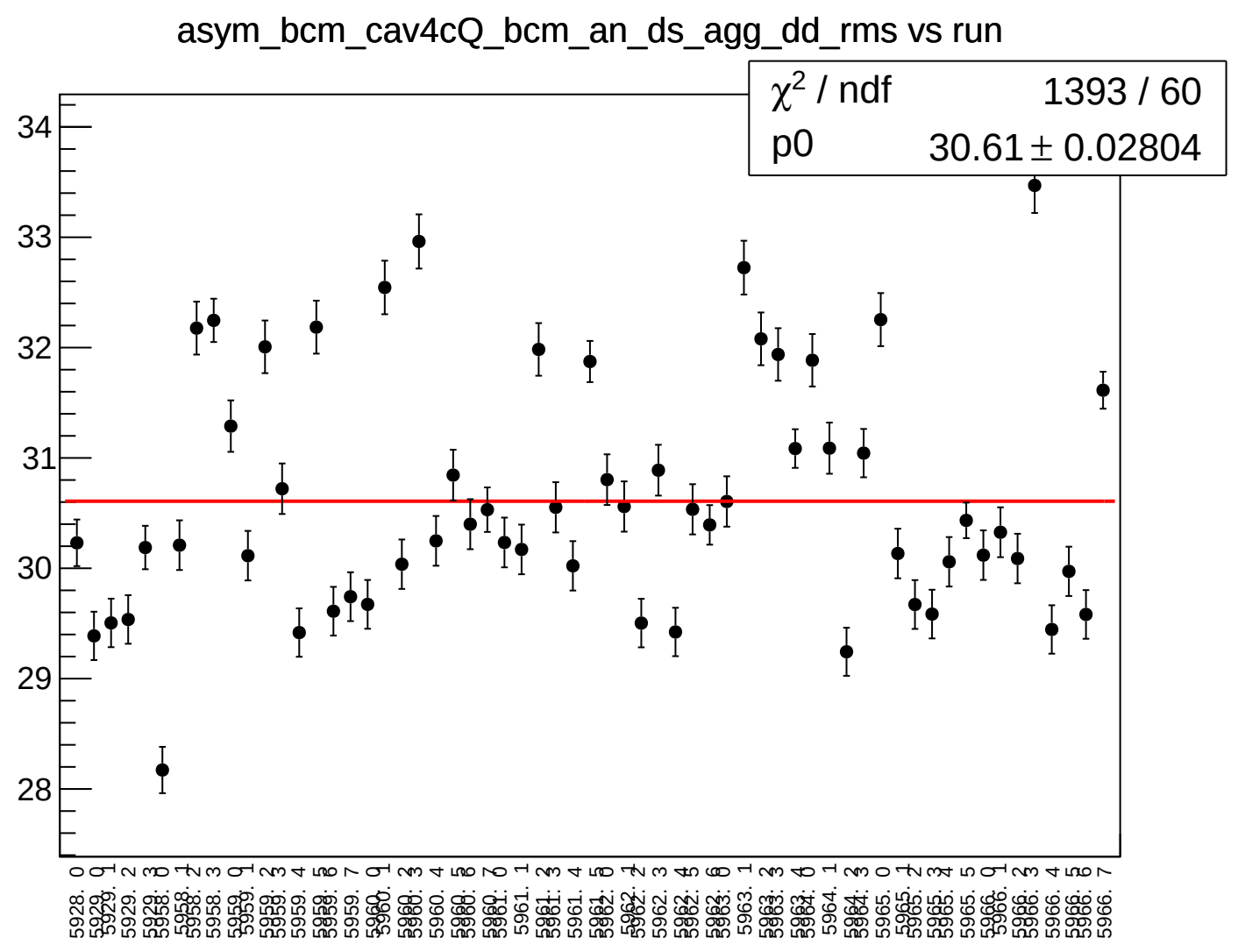

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.15 / 60
p0 300.1 ± 255.5
pull
Entries 61
Mean 38.33
Std Dev 45.19

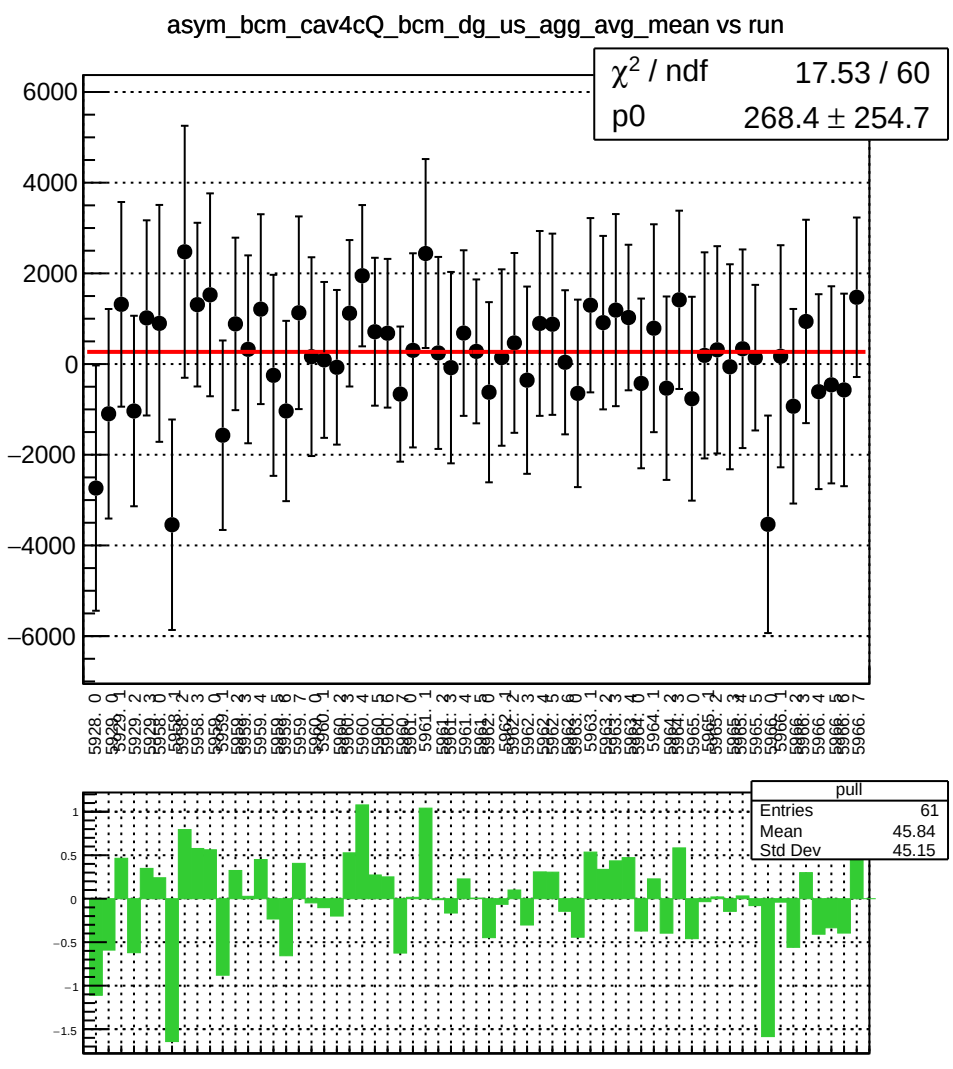

pull1D
Entries 61
Mean −0.02088
Std Dev 0.545

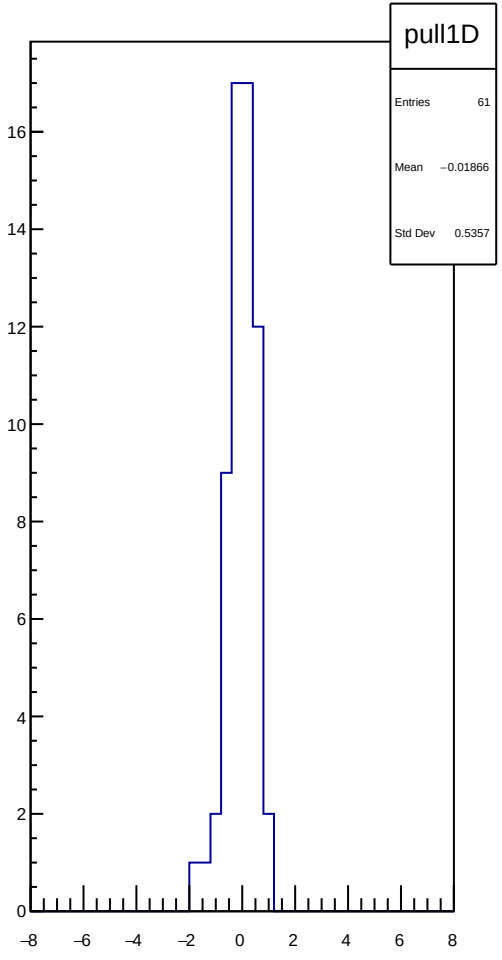

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.783e+04 / 60
p0 195.8 ± 0.1807
280
260
240
220
200
180
160
140

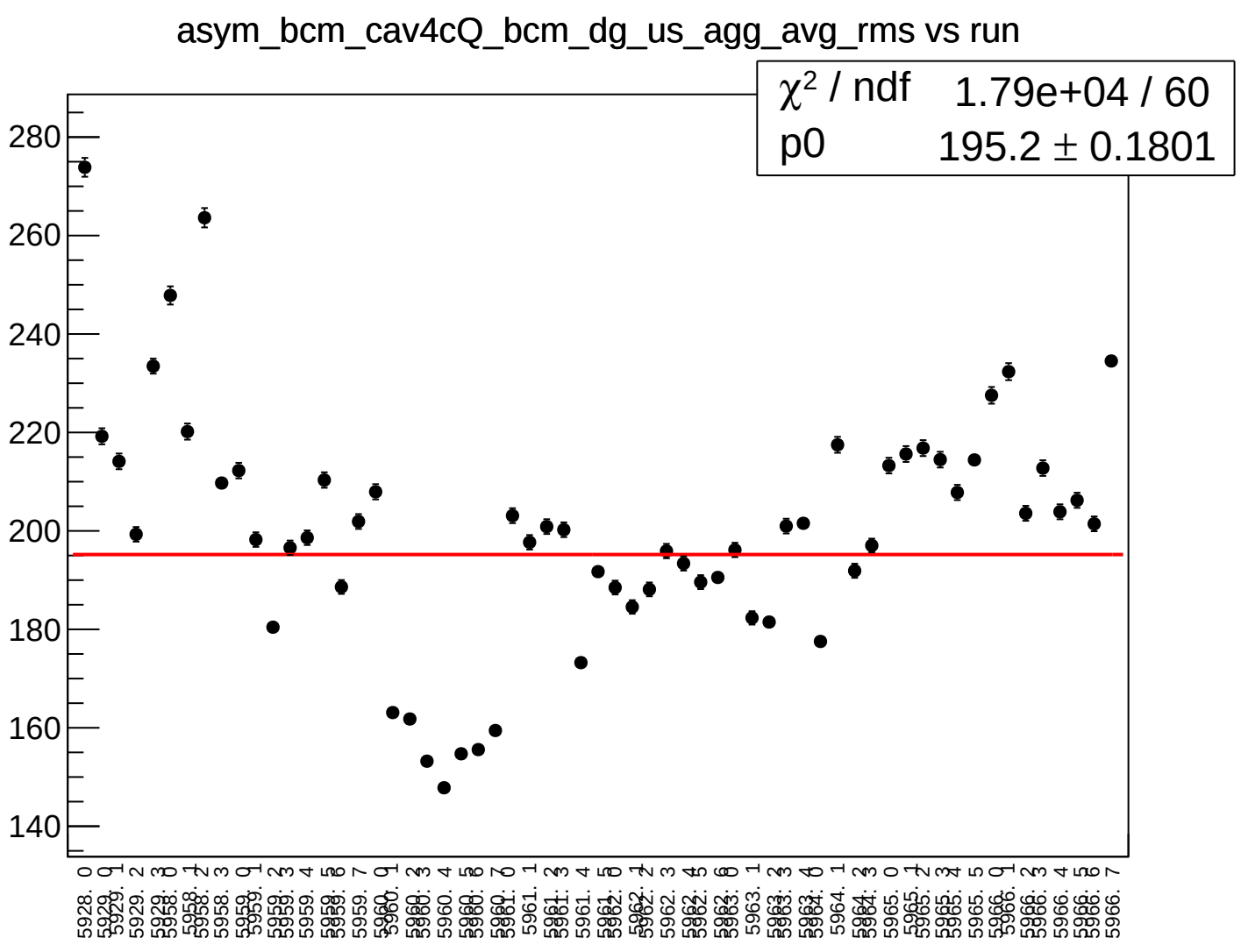

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 61.03 / 60
p0 48.09 ± 39.66
1000
500
0
−500
−1000
pull
Entries 61
Mean 456.1
Std Dev 0
2
1
0
−1
−2

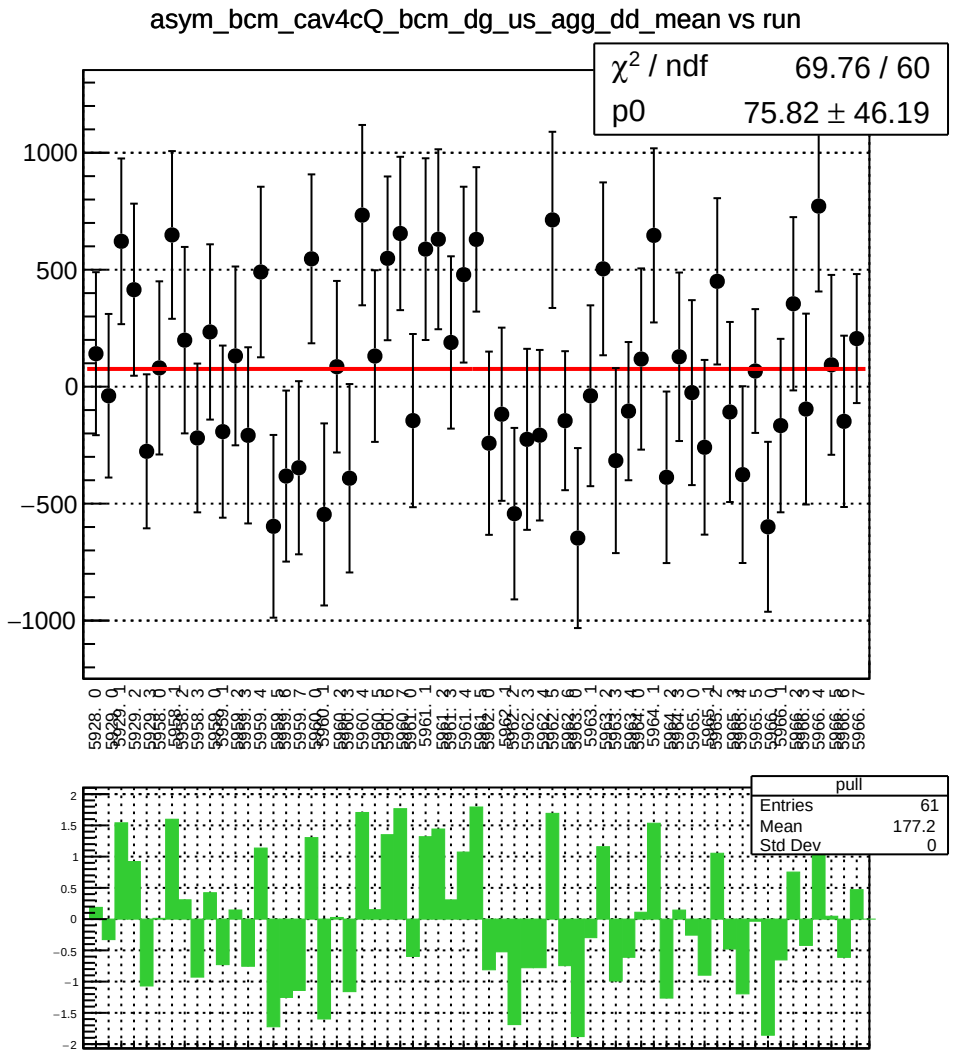

pull1D
Entries 61
Mean −0.006614
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

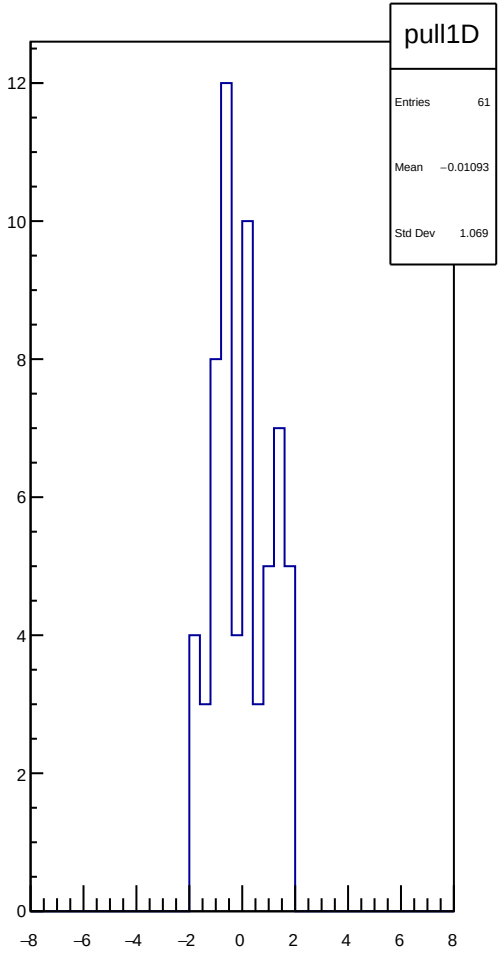

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1393 / 60
p0 30.61 ± 0.02804
34
33
32
31
30
29
28

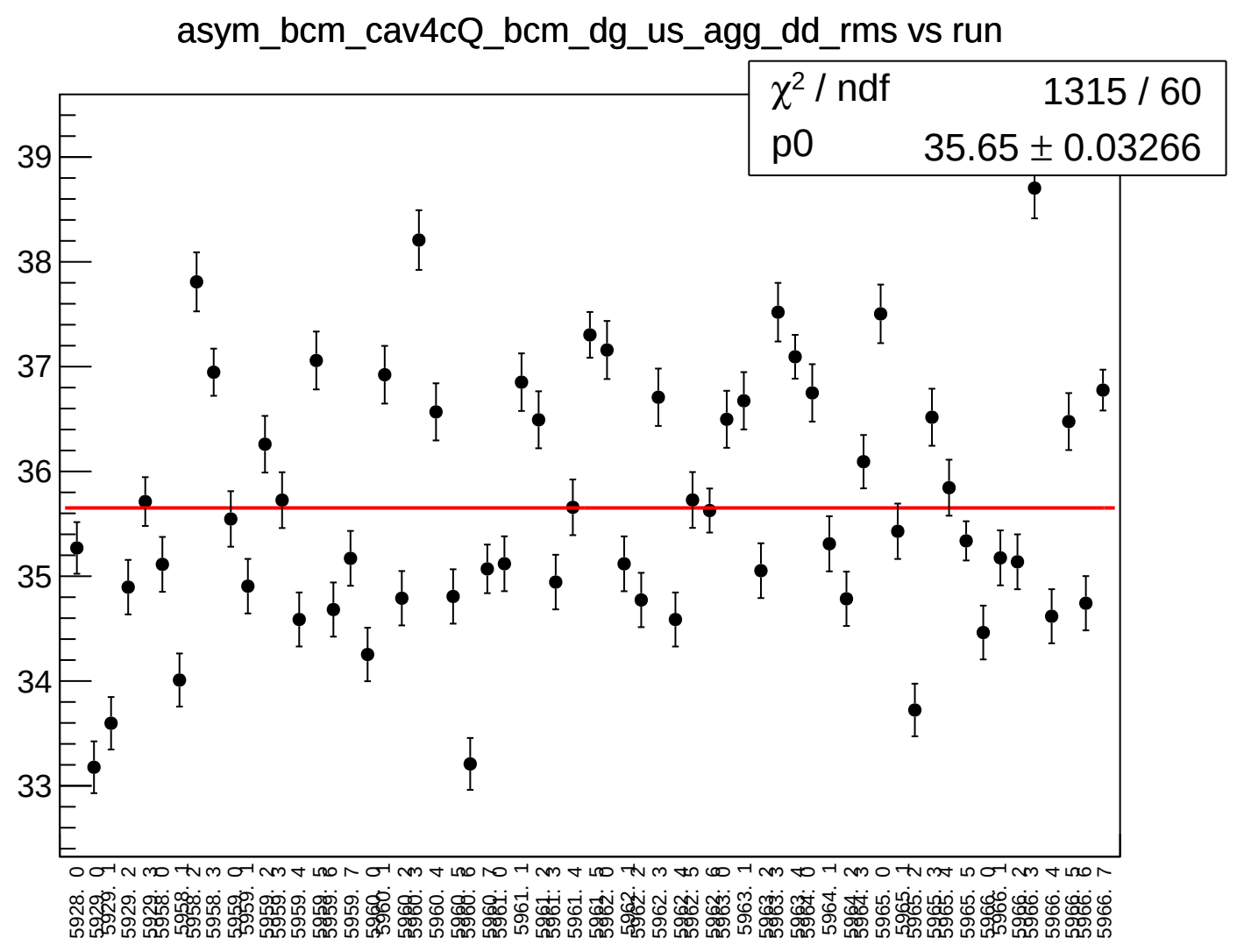

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 17.53 / 60
p0 268.4 ± 254.7
pull
Entries 61
Mean 45.84
Std Dev 45.15

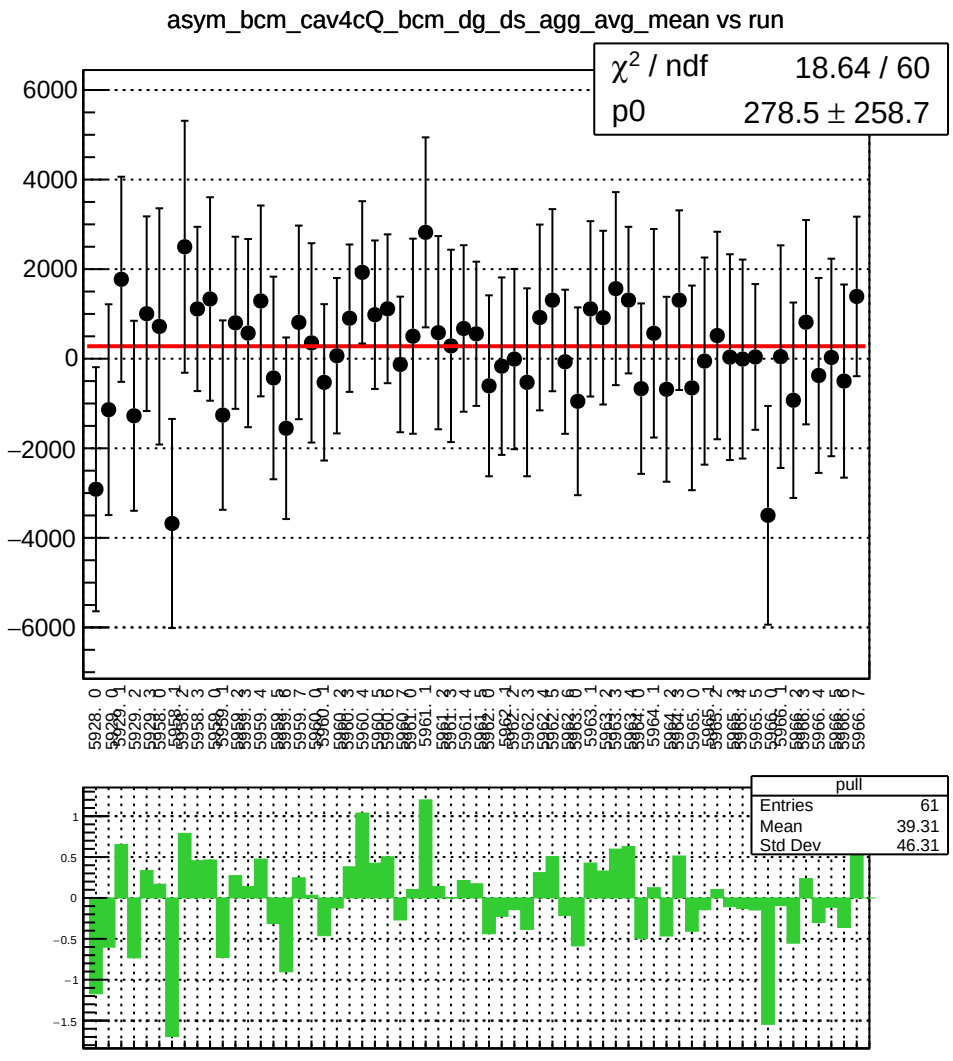

pull1D
Entries 61
Mean −0.01866
Std Dev 0.5357

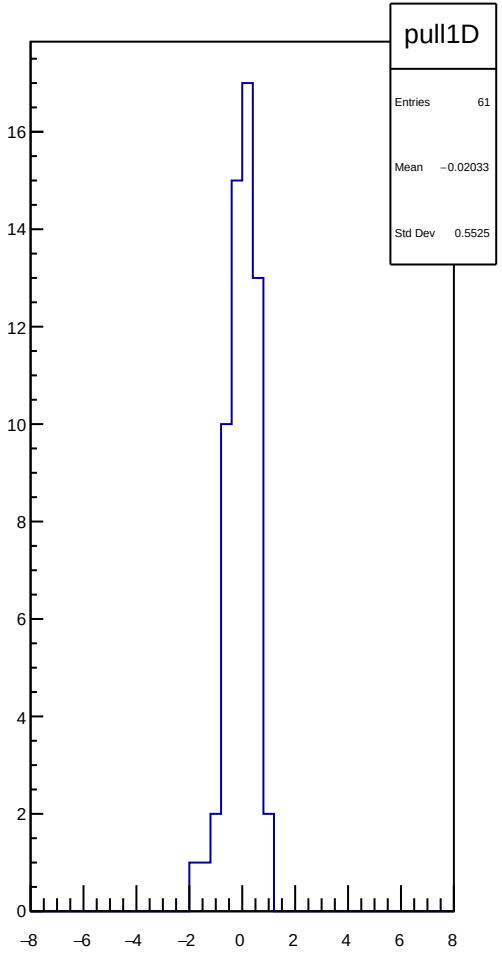

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.79e+04 / 60
p0 195.2 ± 0.1801
280
260
240
220
200
180
160
140

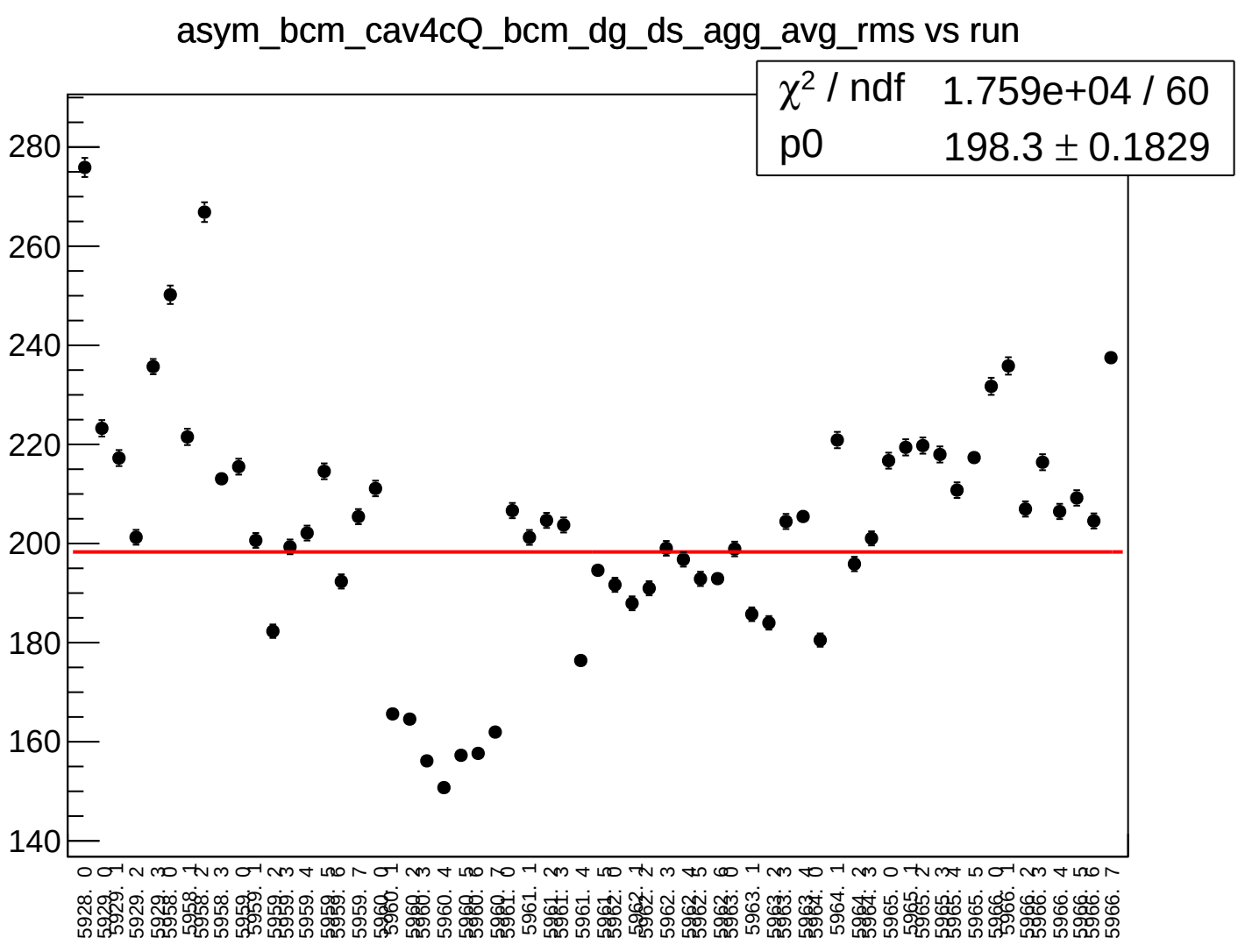

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 69.76 / 60
p0 75.82 ± 46.19
pull
Entries 61
Mean 177.2
Std Dev 0

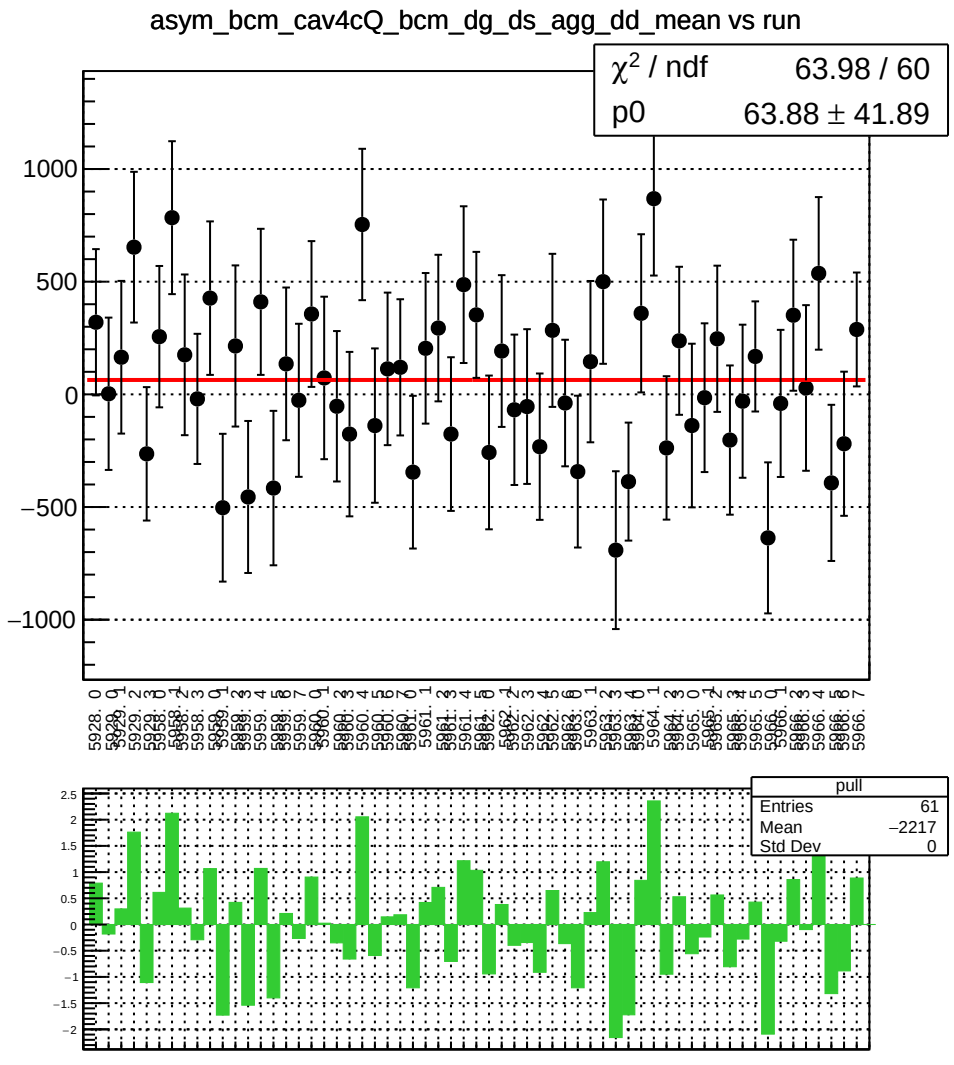

pull1D
Entries 61
Mean −0.01093
Std Dev 1.069

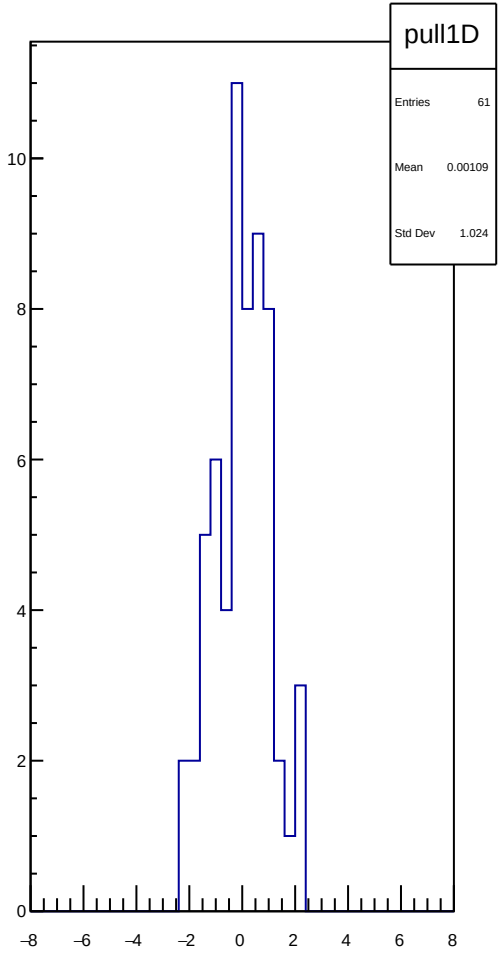

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1315 / 60
p0 35.65 ± 0.03266
39
38
37
36
35
34
33

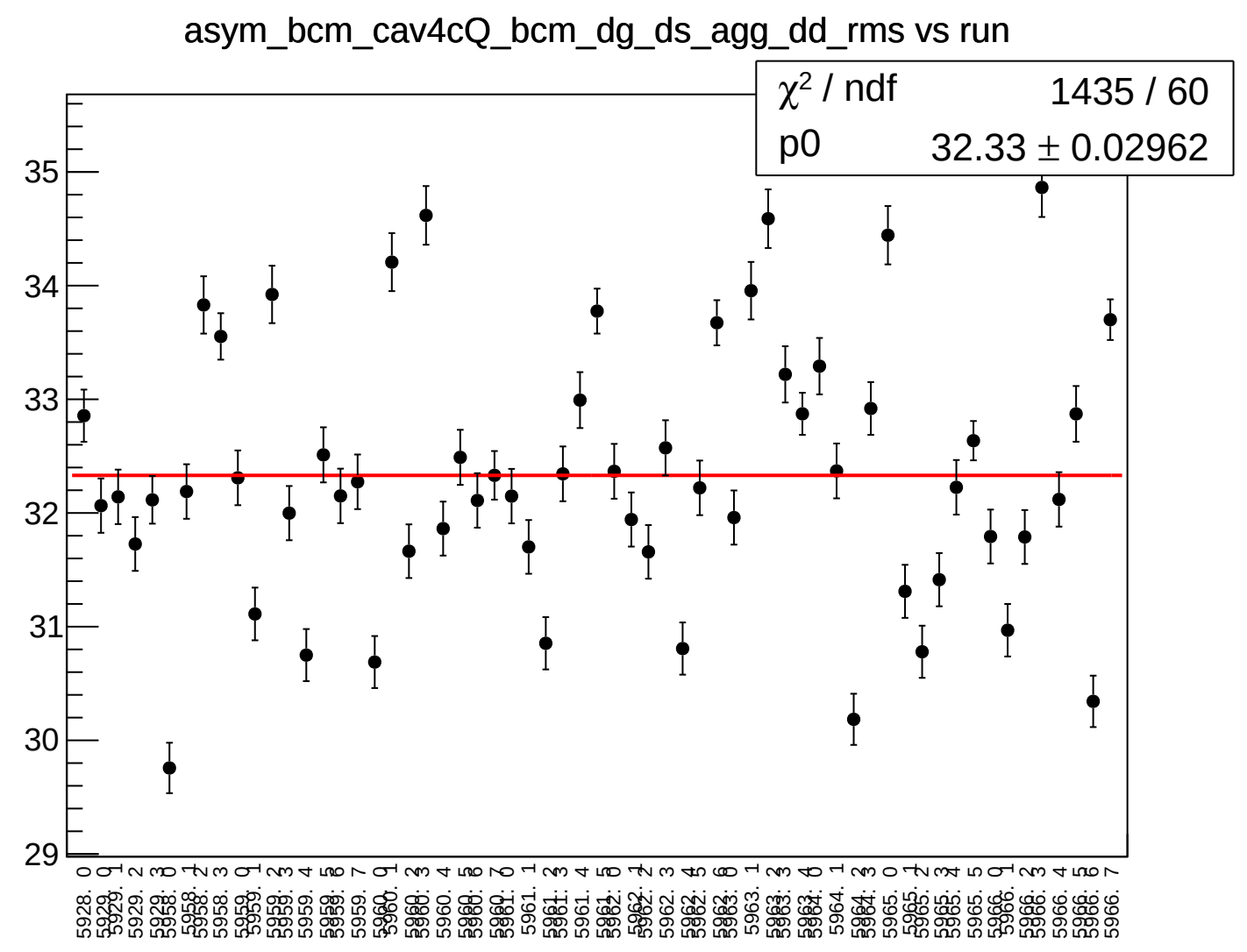

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 18.64 / 60
p0 278.5 ± 258.7
pull
Entries 61
Mean 39.31
Std Dev 46.31

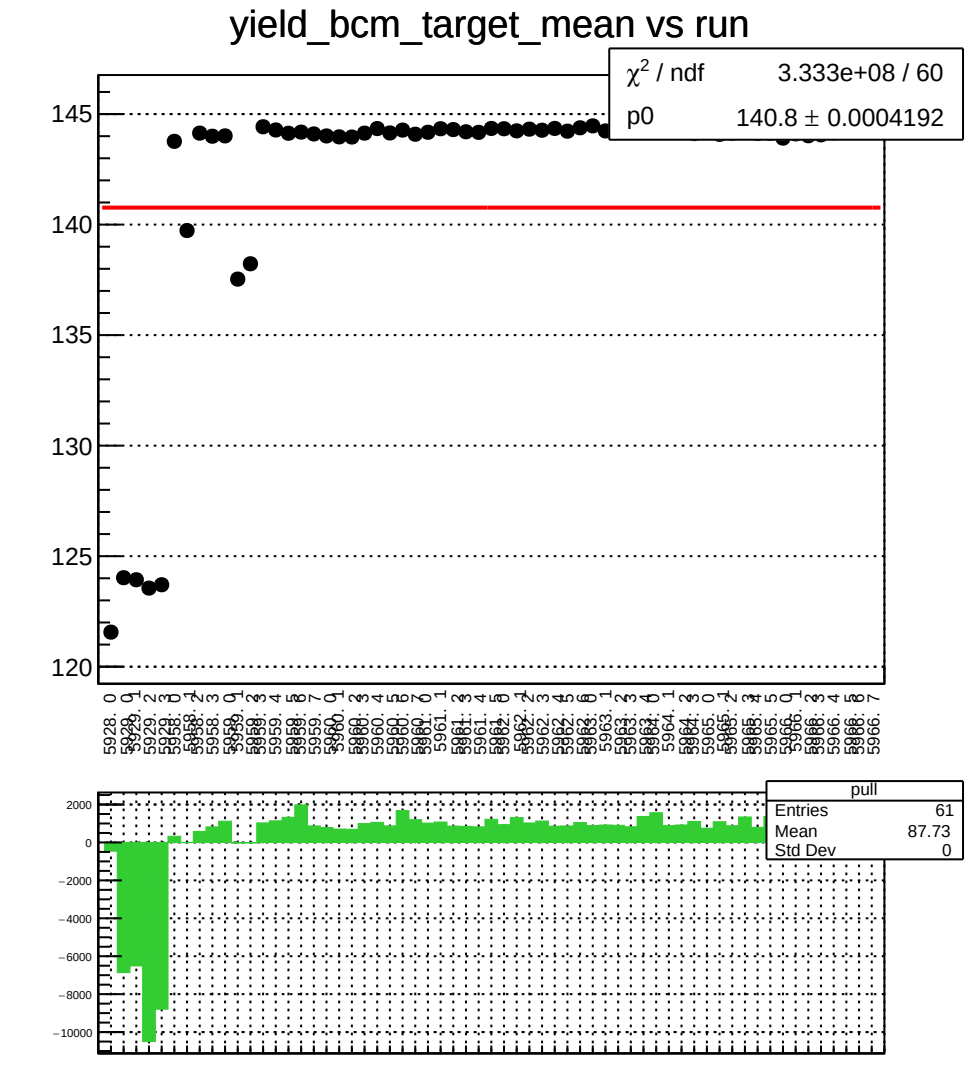

pull1D
Entries 61
Mean −0.02033
Std Dev 0.5525

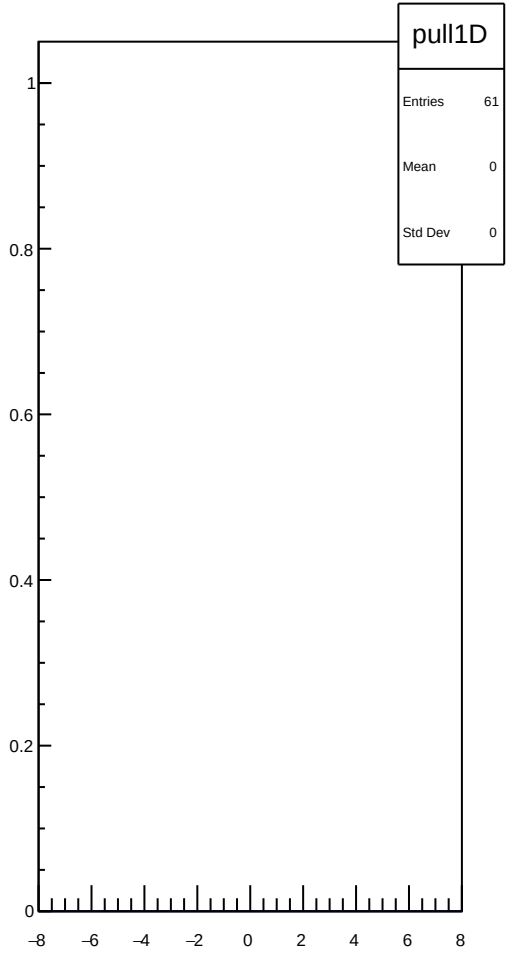

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.759e+04 / 60
p0 198.3 ± 0.1829
280
260
240
220
200
180
160
140

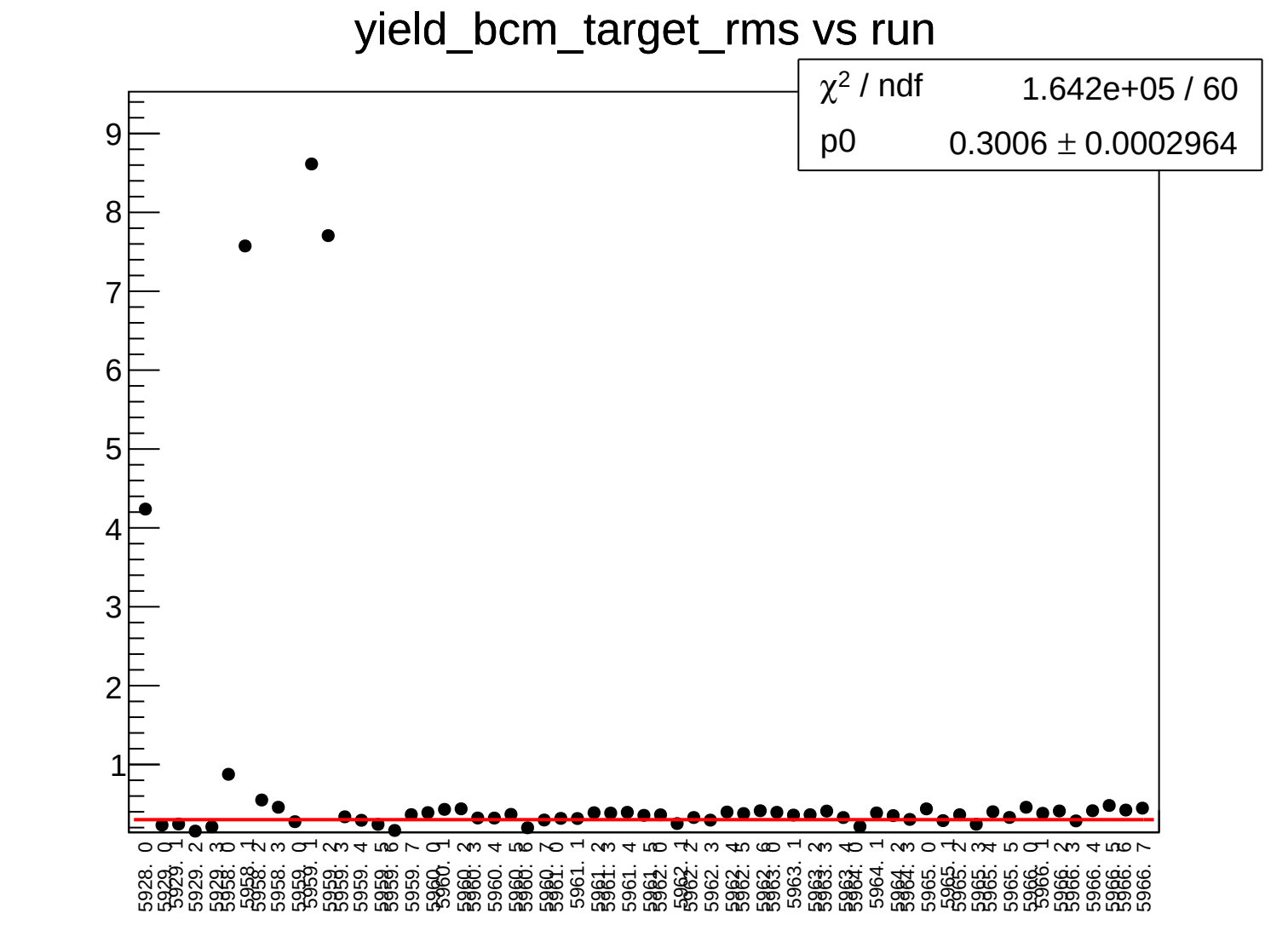

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 63.98 / 60
p0 63.88 ± 41.89
1000
500
0
−500
−1000
pull
Entries 61
Mean −2217
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

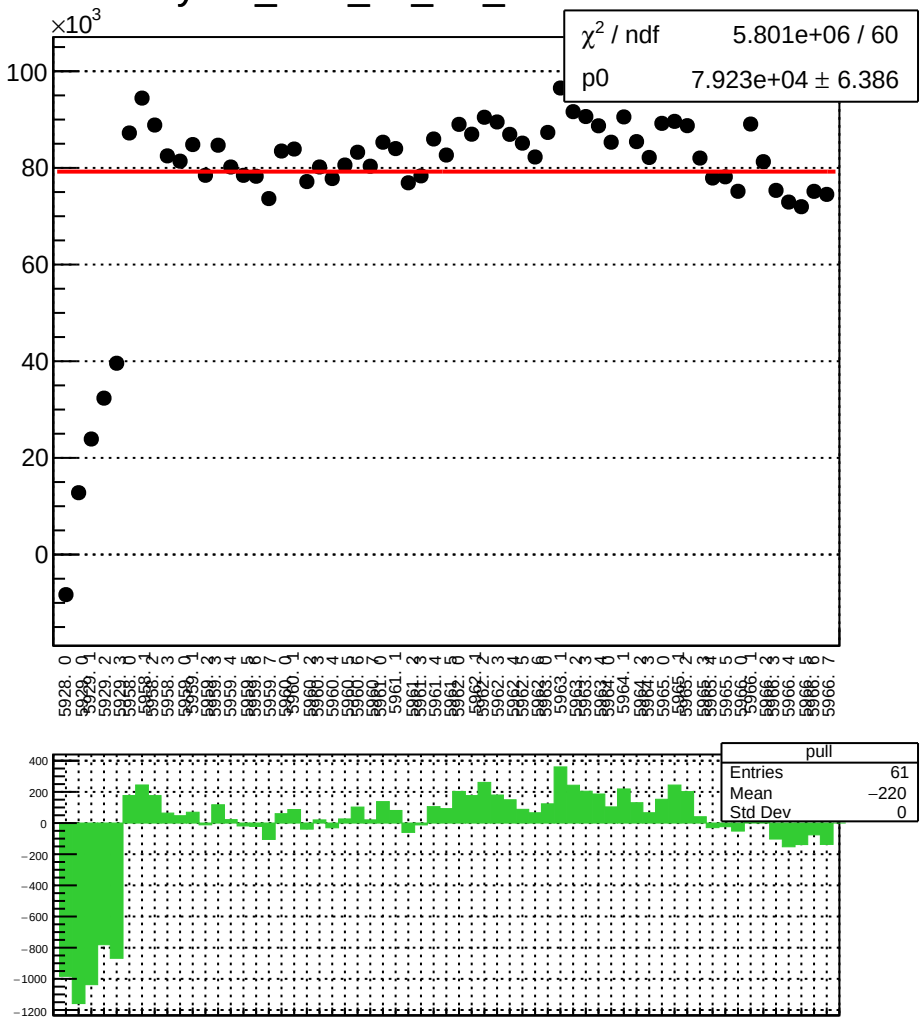

pull1D
Entries 61
Mean 0.00109
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

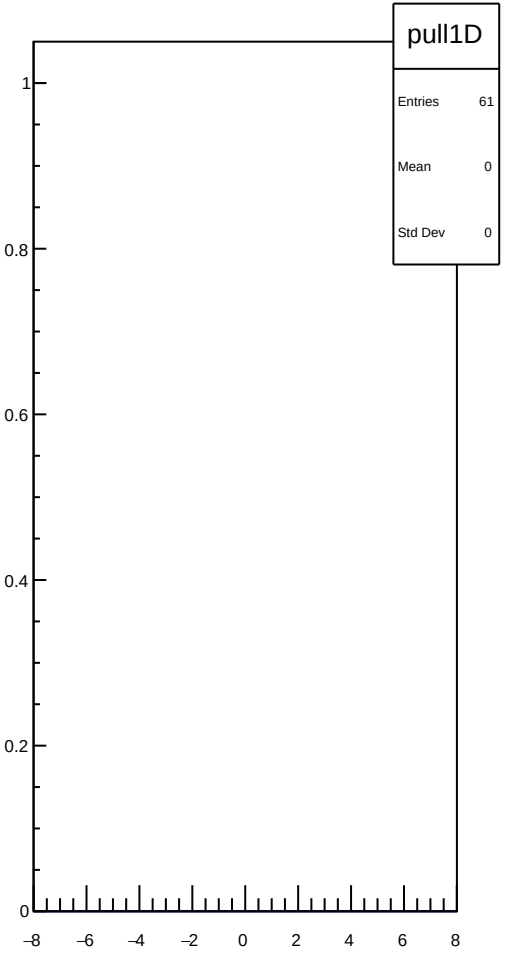

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1435 / 60
p0 32.33 ± 0.02962
35
34
33
32
31
30
29

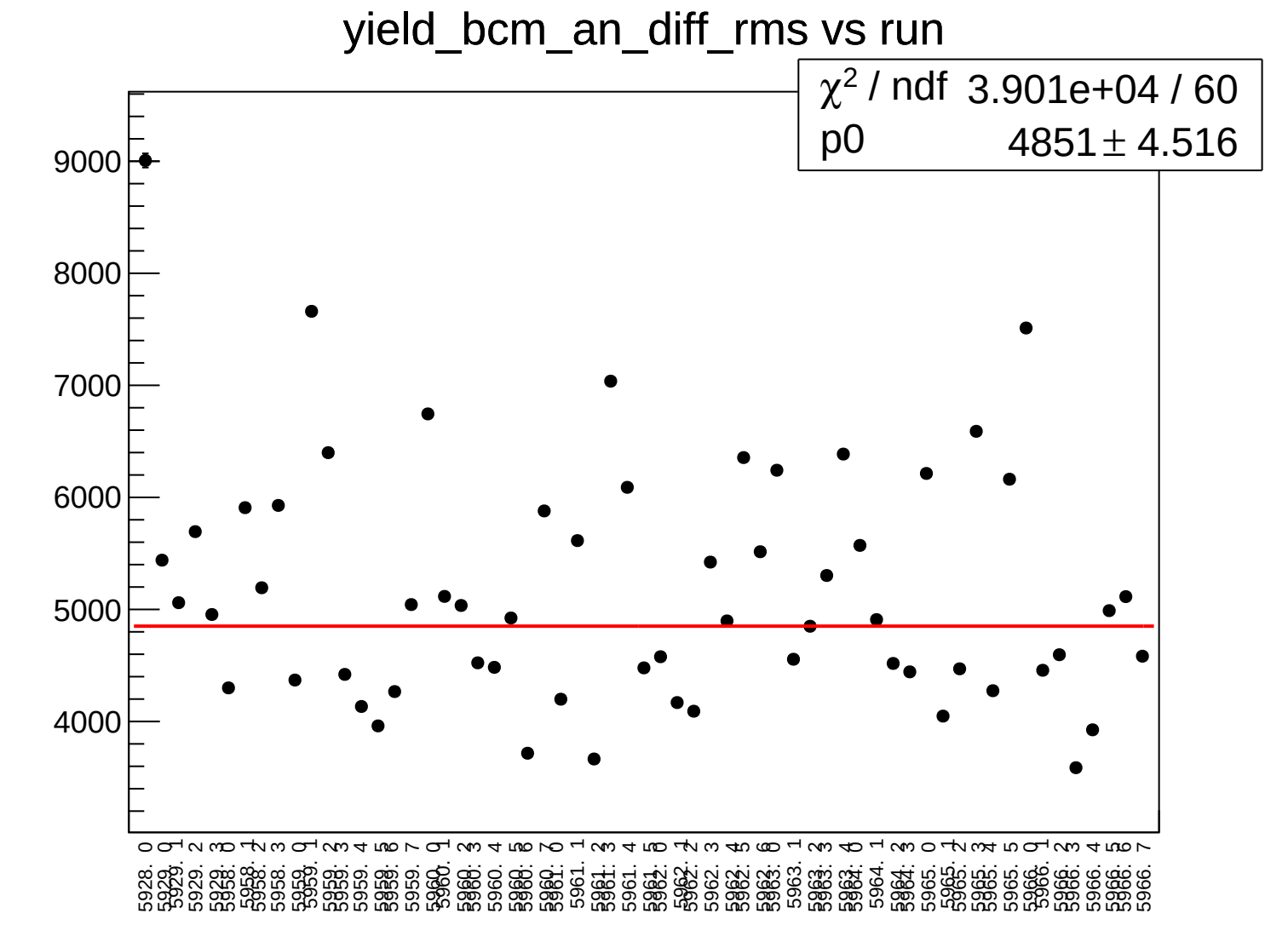

yield_bcm_target_mean vs run
χ² / ndf 3.333e+08 / 60
p0 140.8 ± 0.0004192
pull
Entries 61
Mean 87.73
Std Dev 0

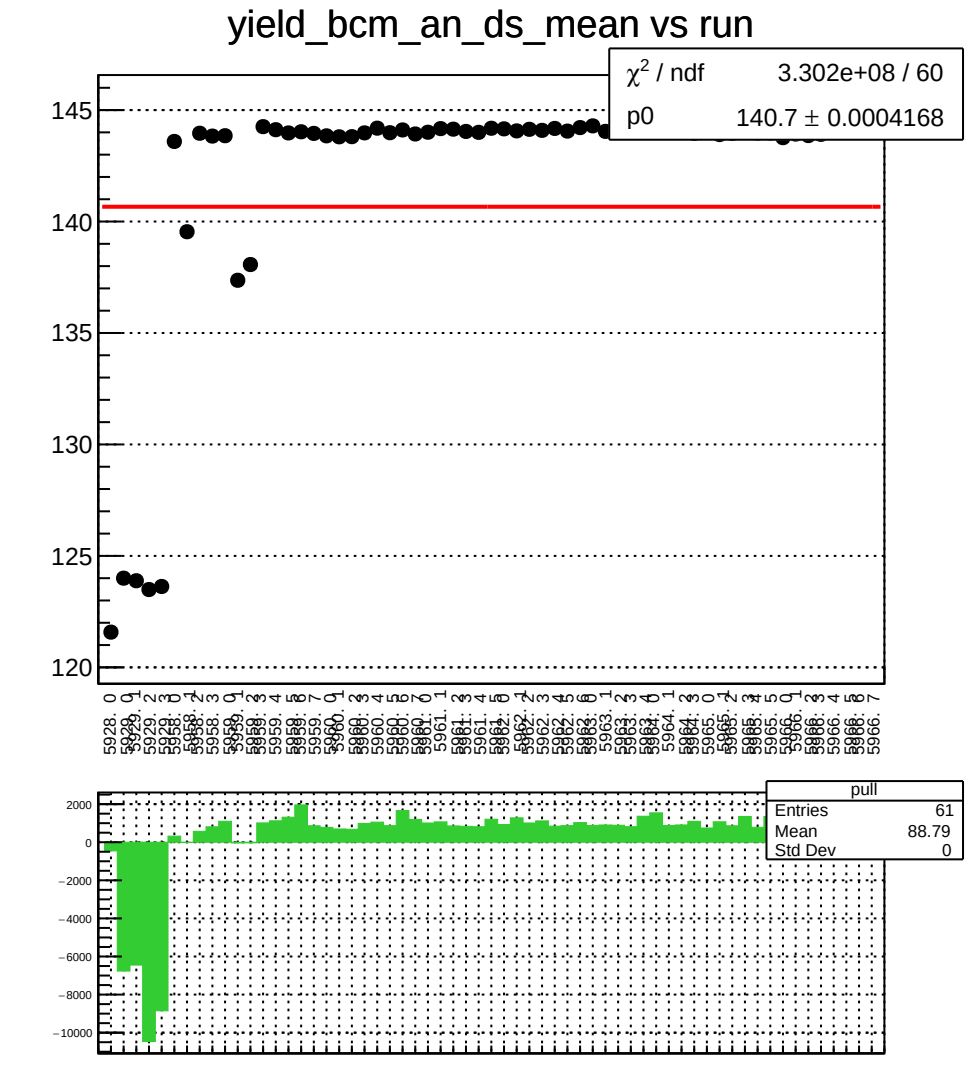

pull1D
Entries 61
Mean 0
Std Dev 0

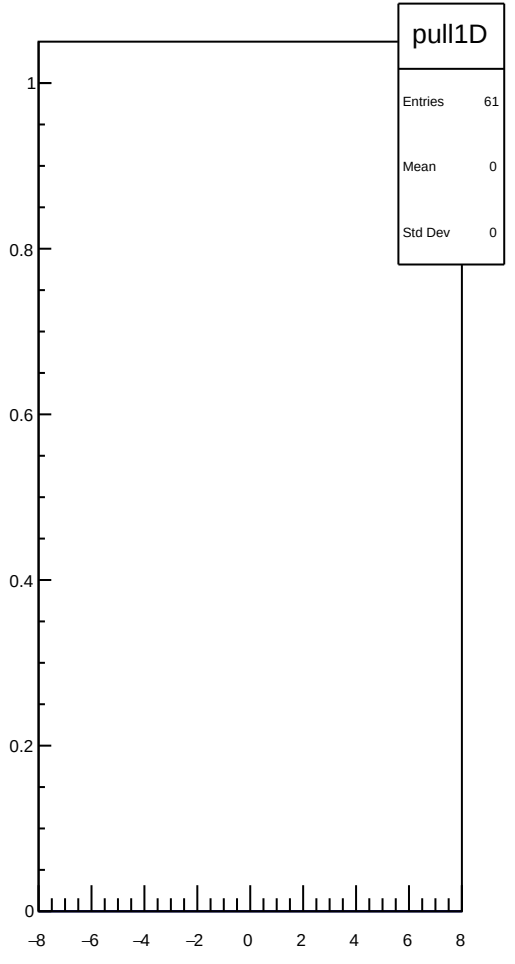

yield_bcm_target_rms vs run
χ² / ndf 1.642e+05 / 60
p0 0.3006 ± 0.0002964
9
8
7
6
5
4
3
2
1

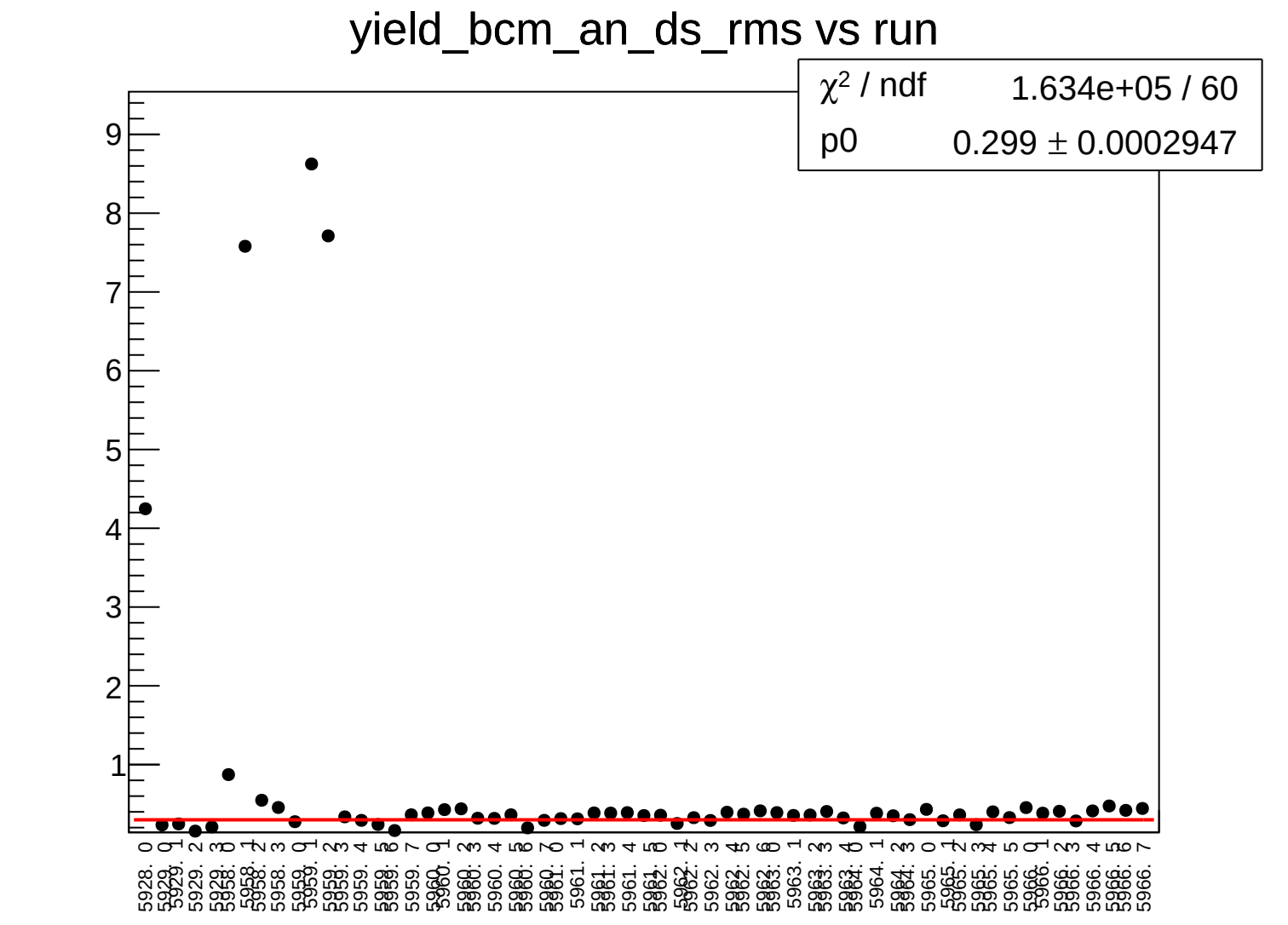

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 5.801e+06 / 60
p0 7.923e+04 ± 6.386
pull
Entries 61
Mean −220
Std Dev 0

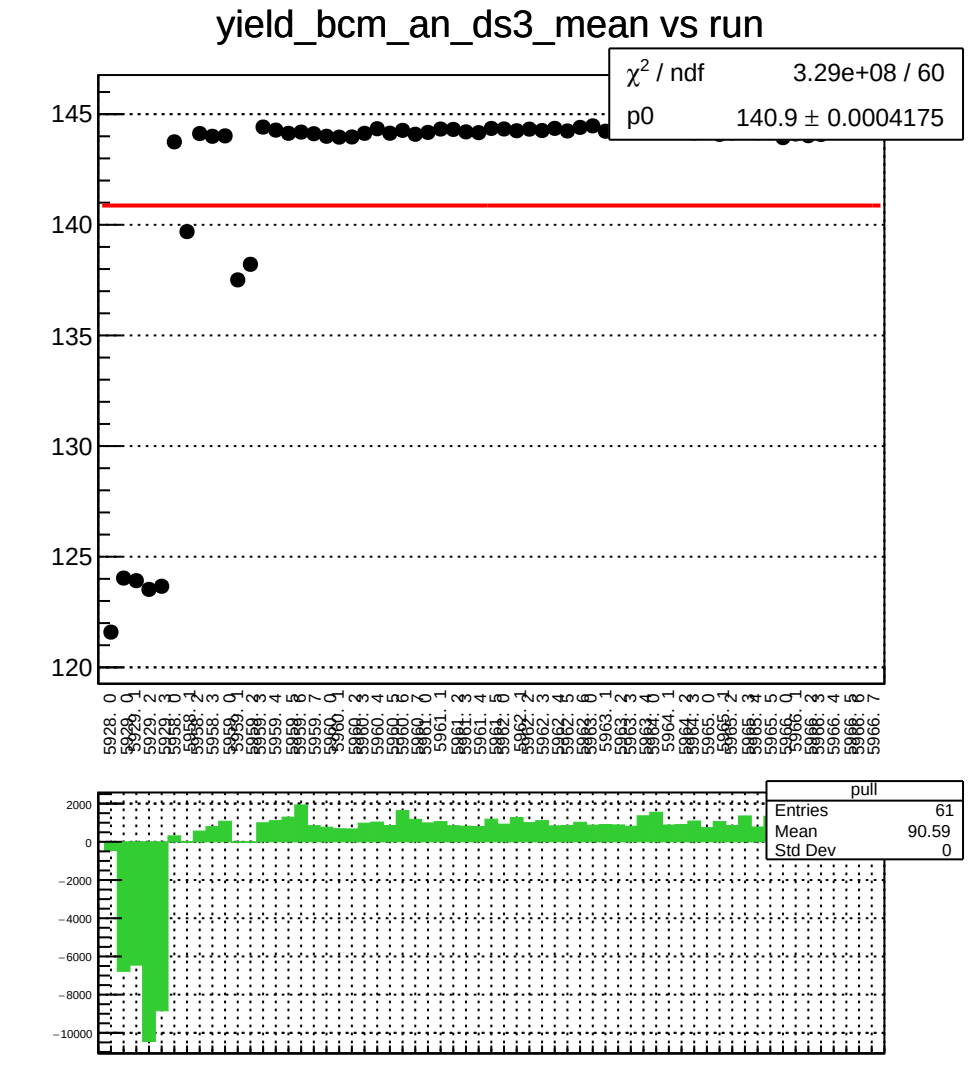

pull1D
Entries 61
Mean 0
Std Dev 0

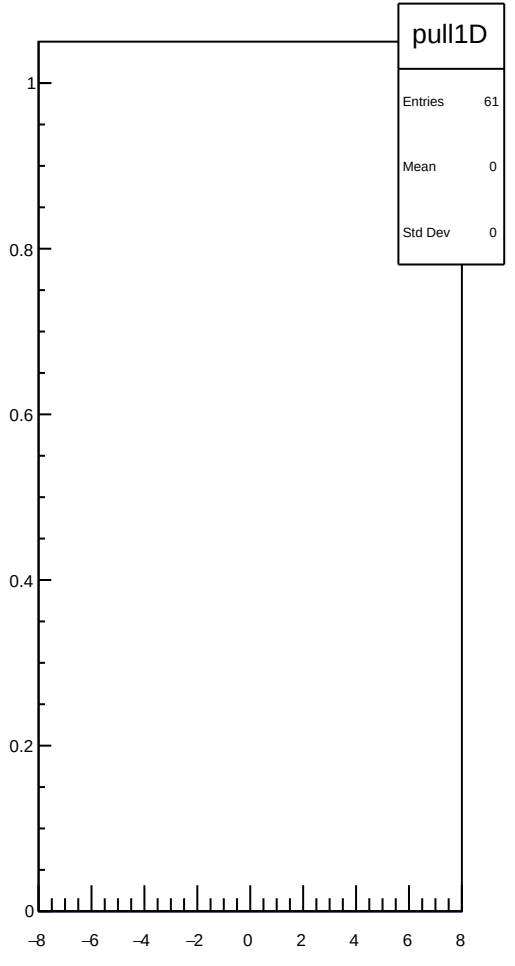

yield_bcm_an_diff_rms vs run
χ² / ndf 3.901e+04 / 60
p0 4851 ± 4.516
9000
8000
7000
6000
5000
4000

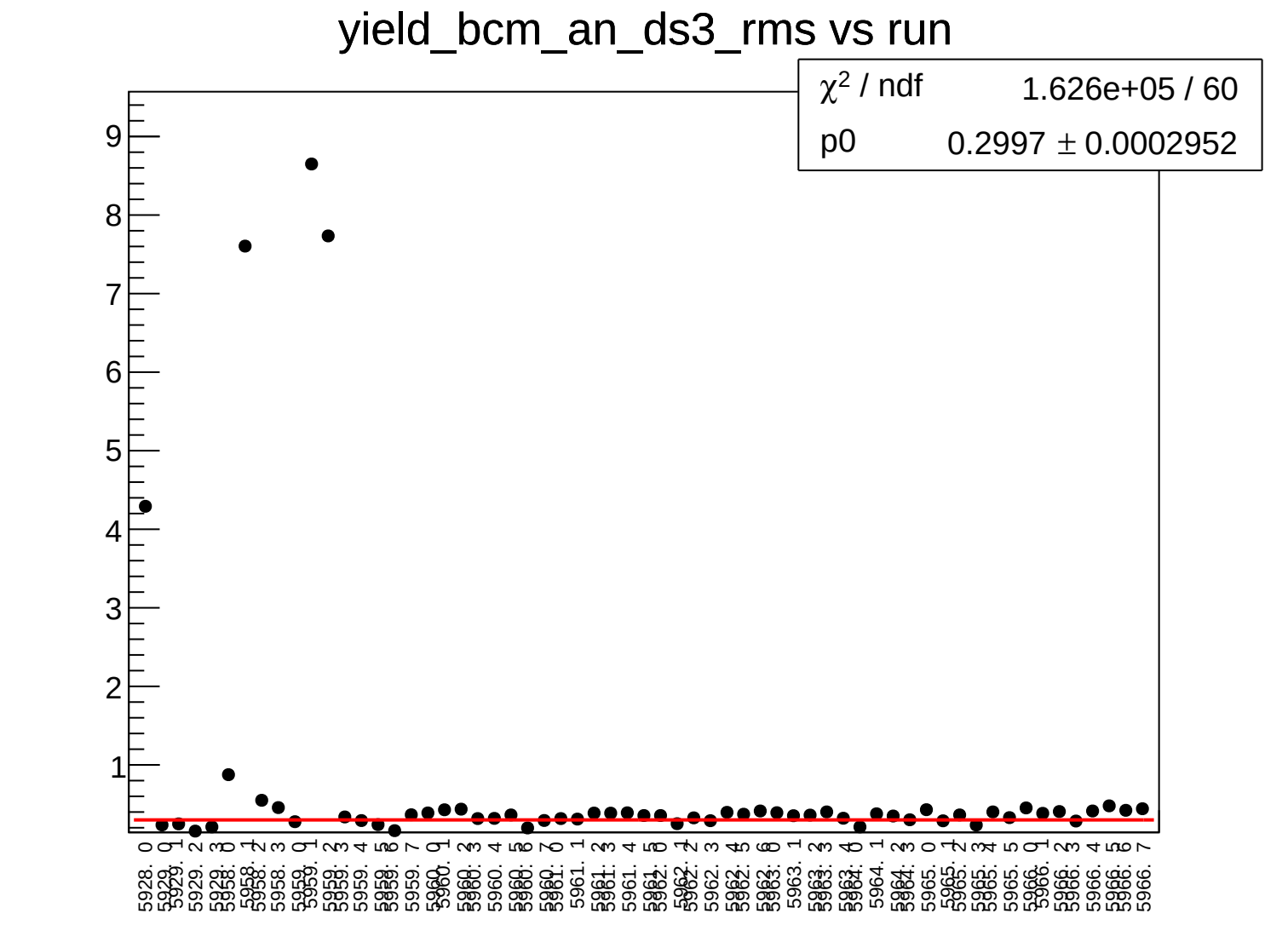

yield_bcm_an_ds_mean vs run
χ² / ndf 3.302e+08 / 60
p0 140.7 ± 0.0004168
pull
Entries 61
Mean 88.79
Std Dev 0

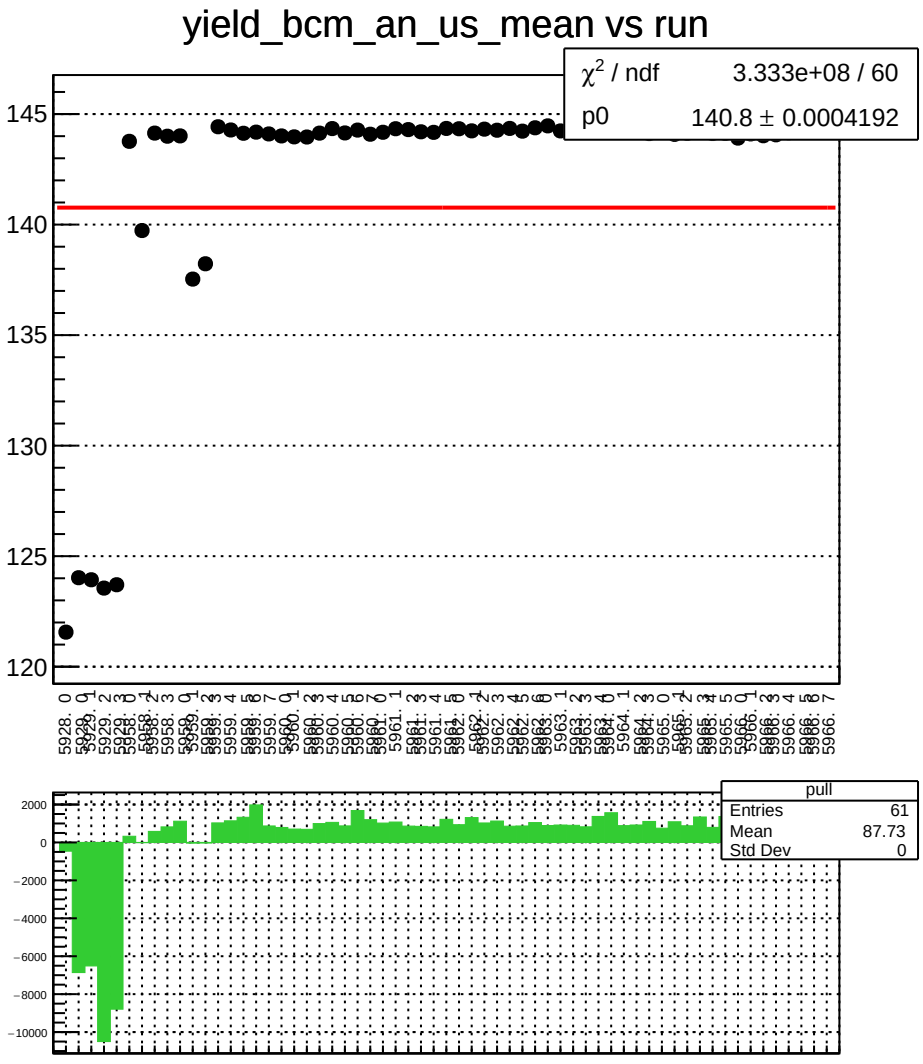

pull1D
Entries 61
Mean 0
Std Dev 0

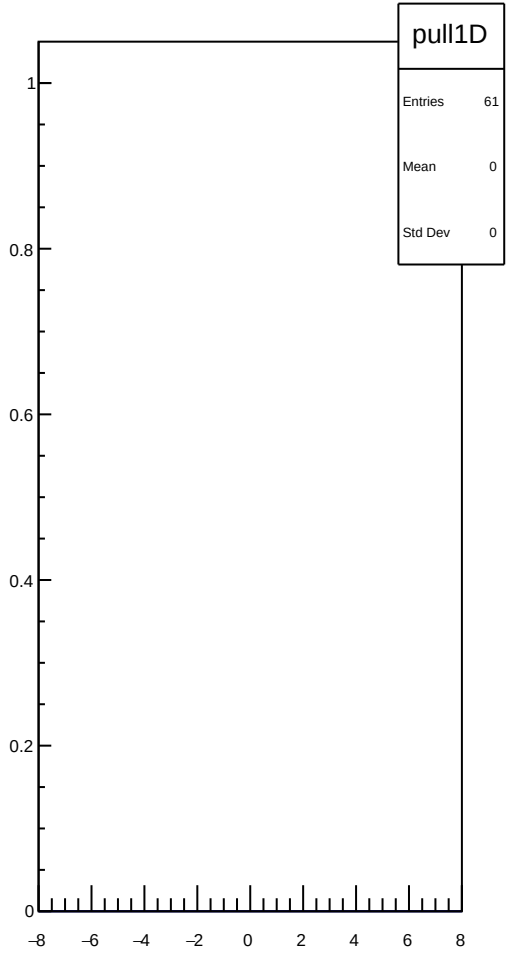

yield_bcm_an_ds_rms vs run
χ² / ndf 1.634e+05 / 60
p0 0.299 ± 0.0002947
9
8
7
6
5
4
3
2
1

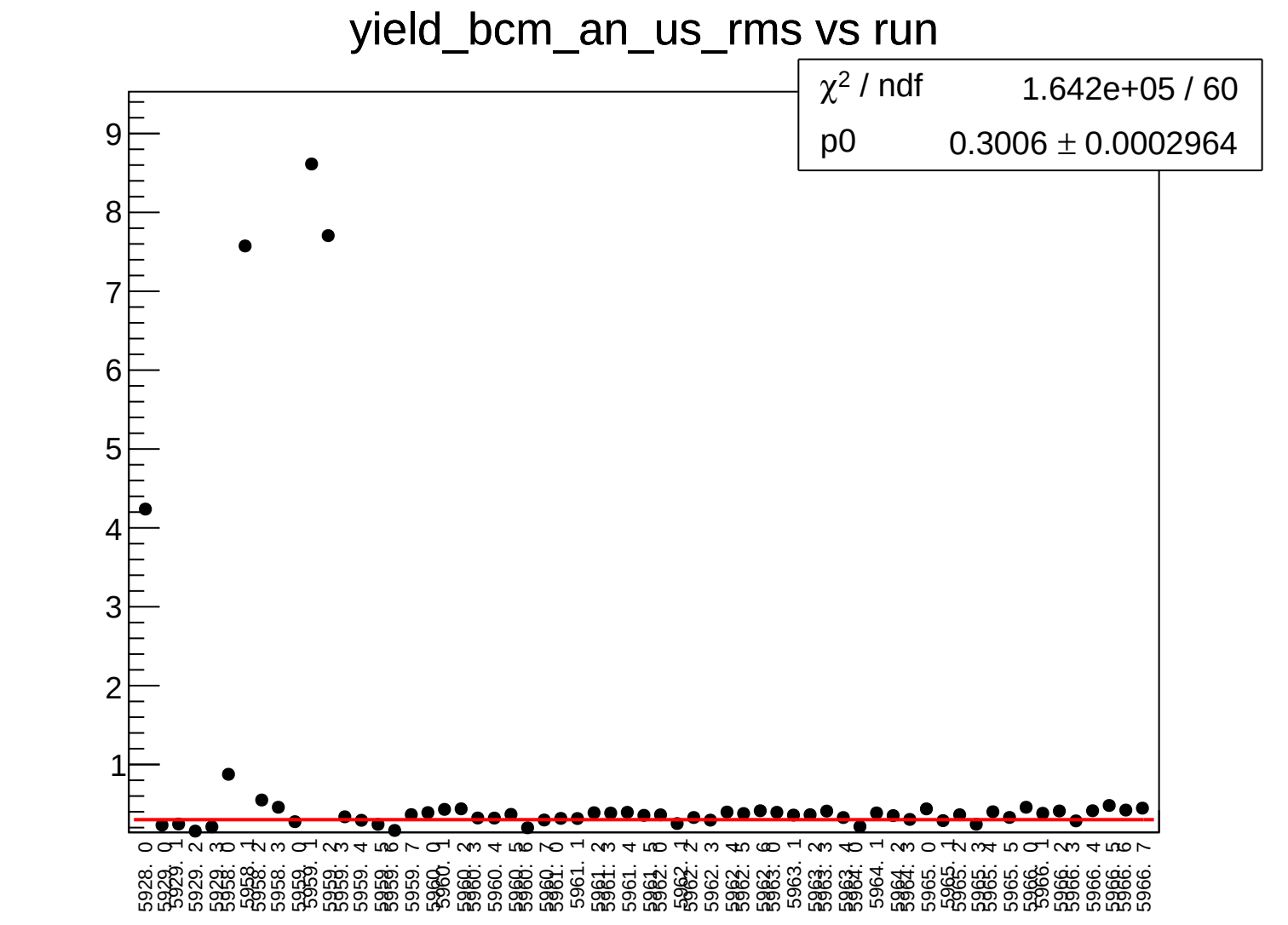

yield_bcm_an_ds3_mean vs run
χ² / ndf 3.29e+08 / 60
p0 140.9 ± 0.0004175
pull
Entries 61
Mean 90.59
Std Dev 0

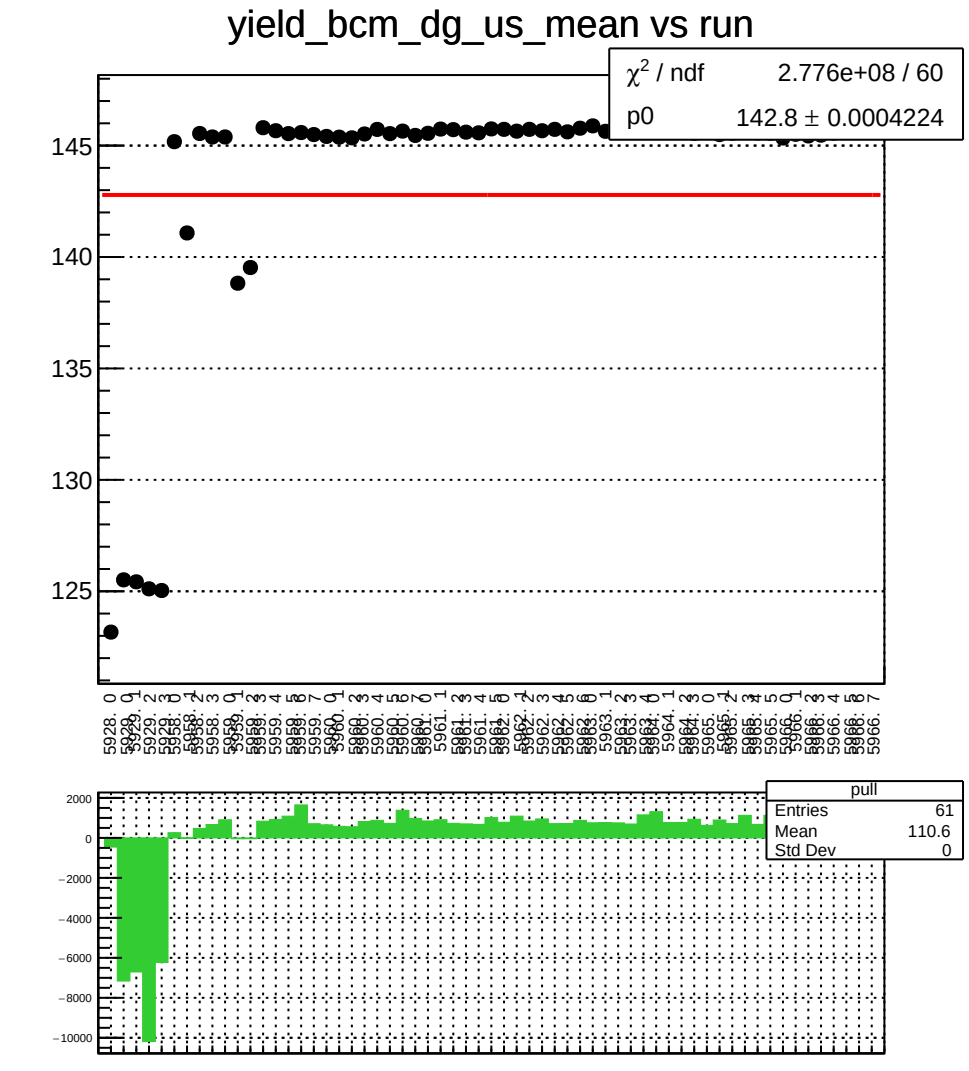

pull1D
Entries 61
Mean 0
Std Dev 0

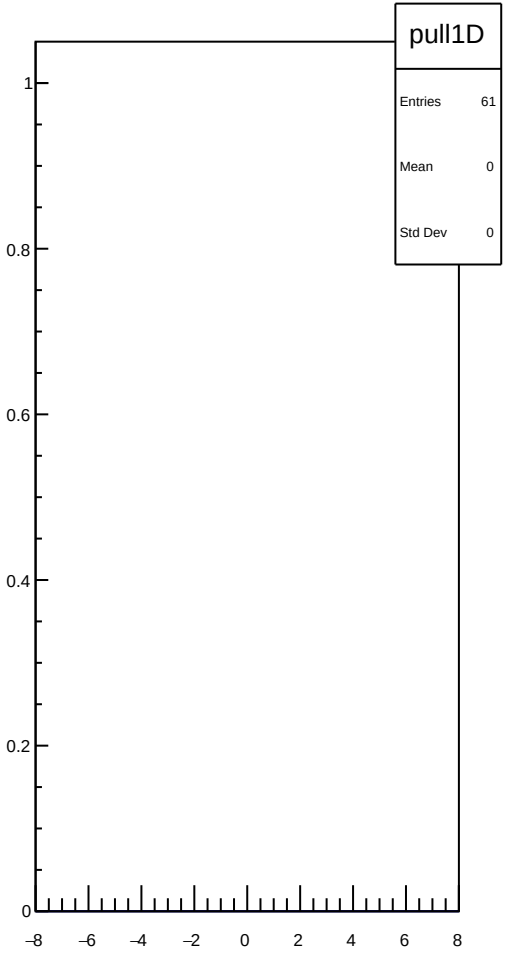

yield_bcm_an_ds3_rms vs run
χ^2 / ndf 1.626e+05 / 60
p0 0.2997 ± 0.0002952
9
8
7
6
5
4
3
2
1

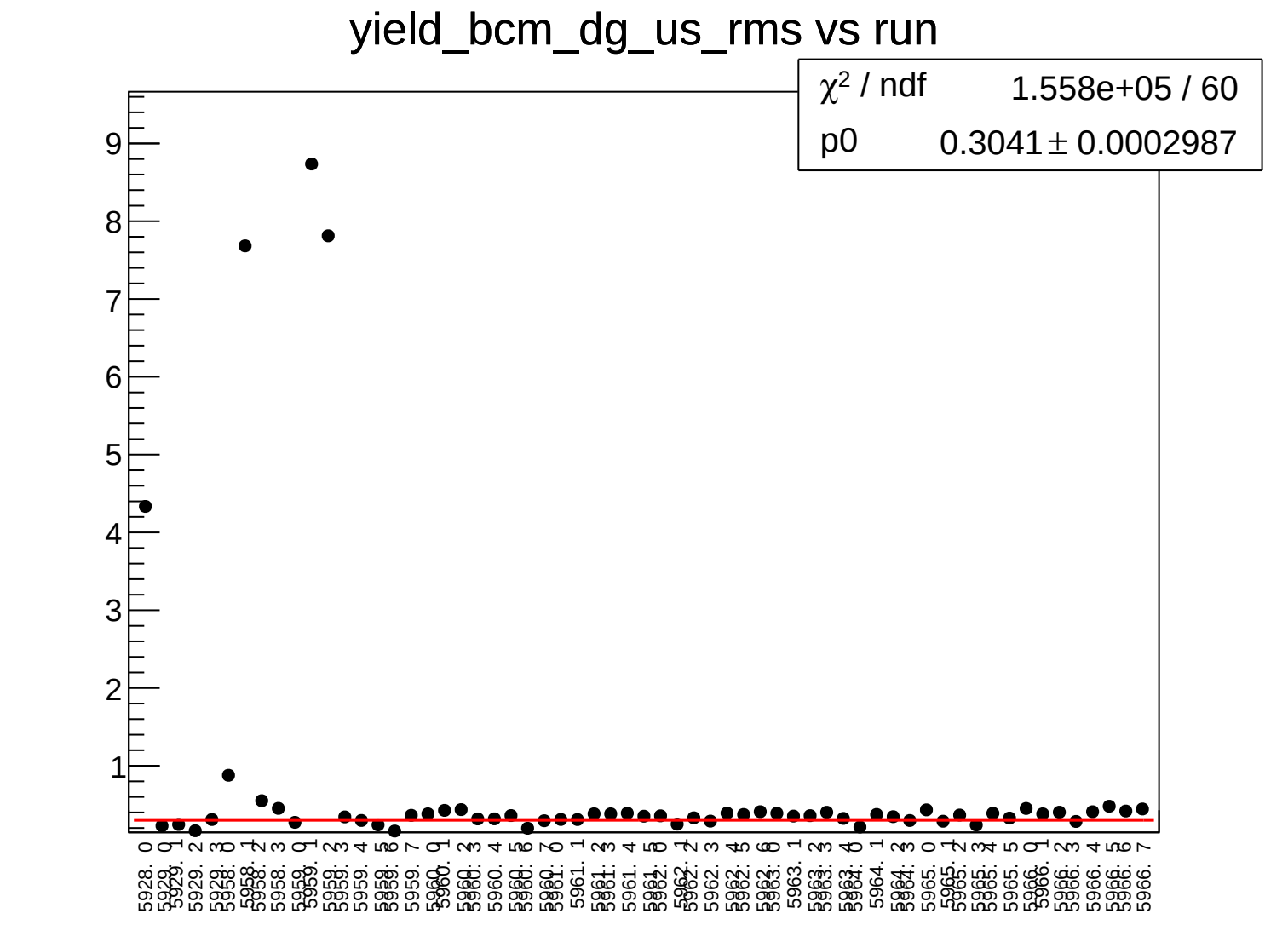

yield_bcm_an_us_mean vs run
χ² / ndf 3.333e+08 / 60
p0 140.8 ± 0.0004192
145
140
135
130
125
120
pull
Entries 61
Mean 87.73
Std Dev 0
2000
0
−2000
−4000
−6000
−8000
−10000

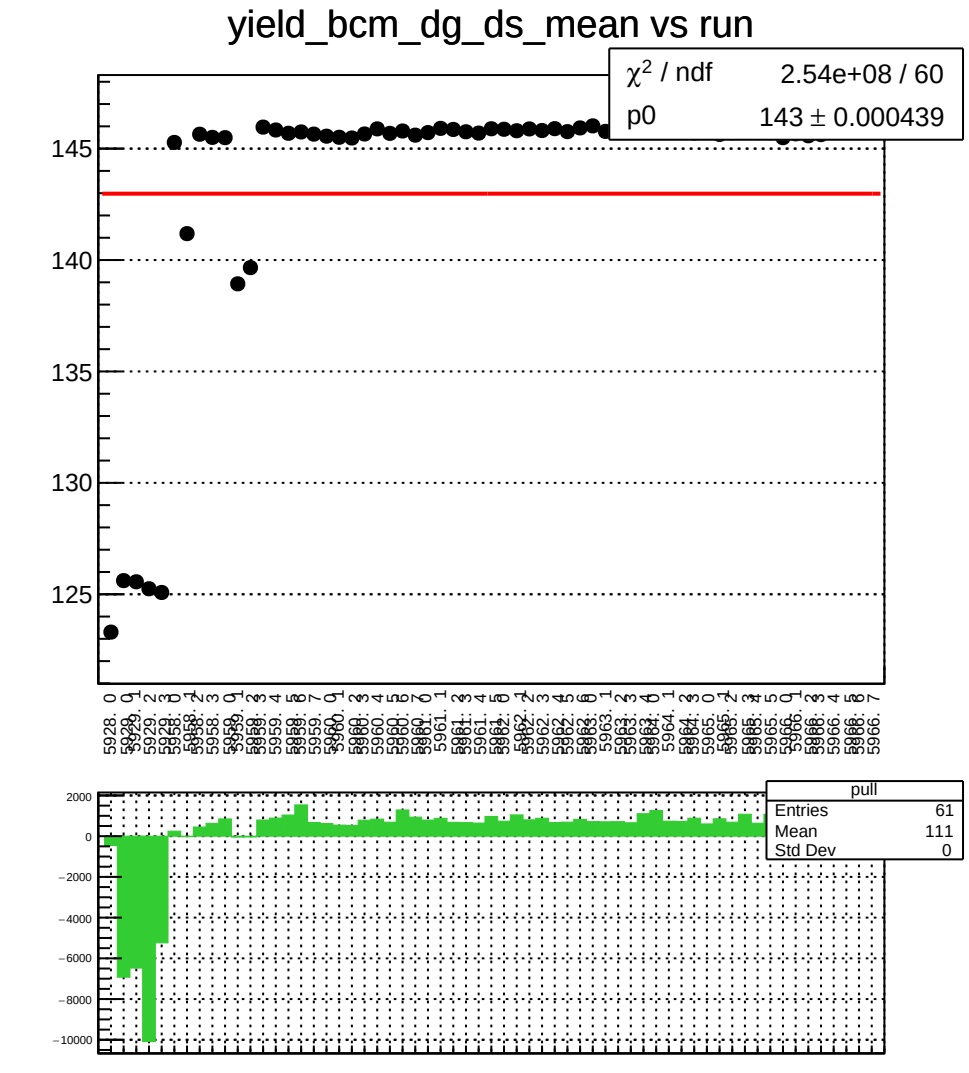

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

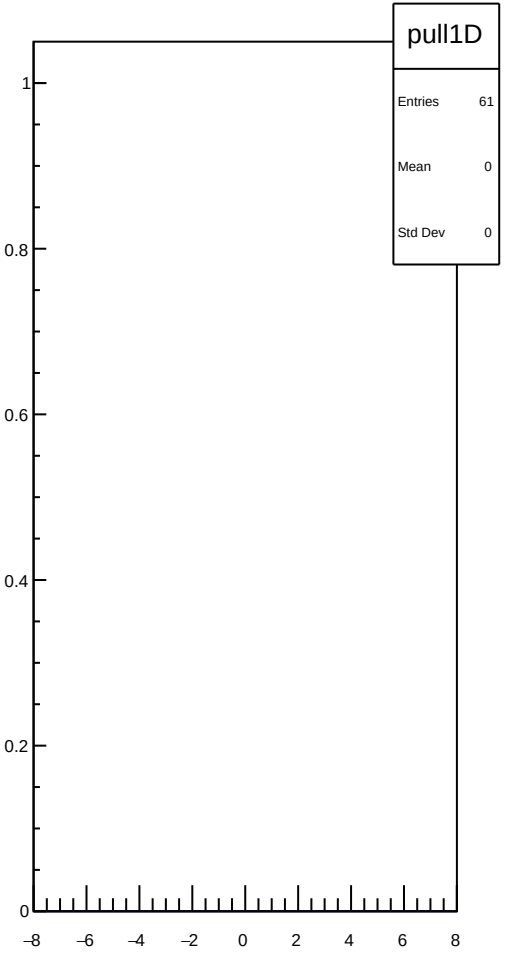

yield_bcm_an_us_rms vs run
χ² / ndf 1.642e+05 / 60
p0 0.3006 ± 0.0002964
9
8
7
6
5
4
3
2
1

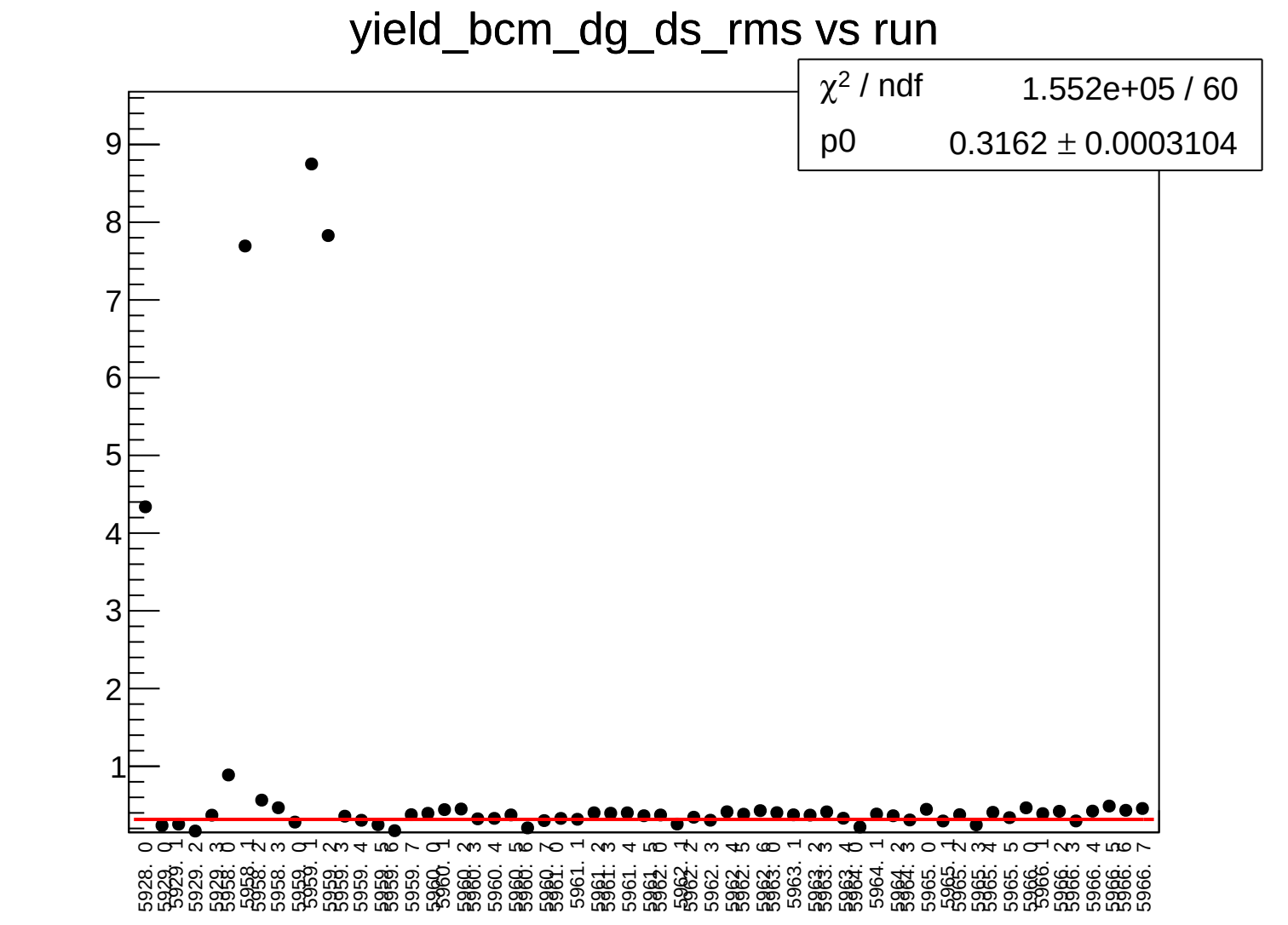

yield_bcm_dg_us_mean vs run
χ² / ndf 2.776e+08 / 60
p0 142.8 ± 0.0004224
145
140
135
130
125
pull
Entries 61
Mean 110.6
Std Dev 0
2000
0
−2000
−4000
−6000
−8000
−10000

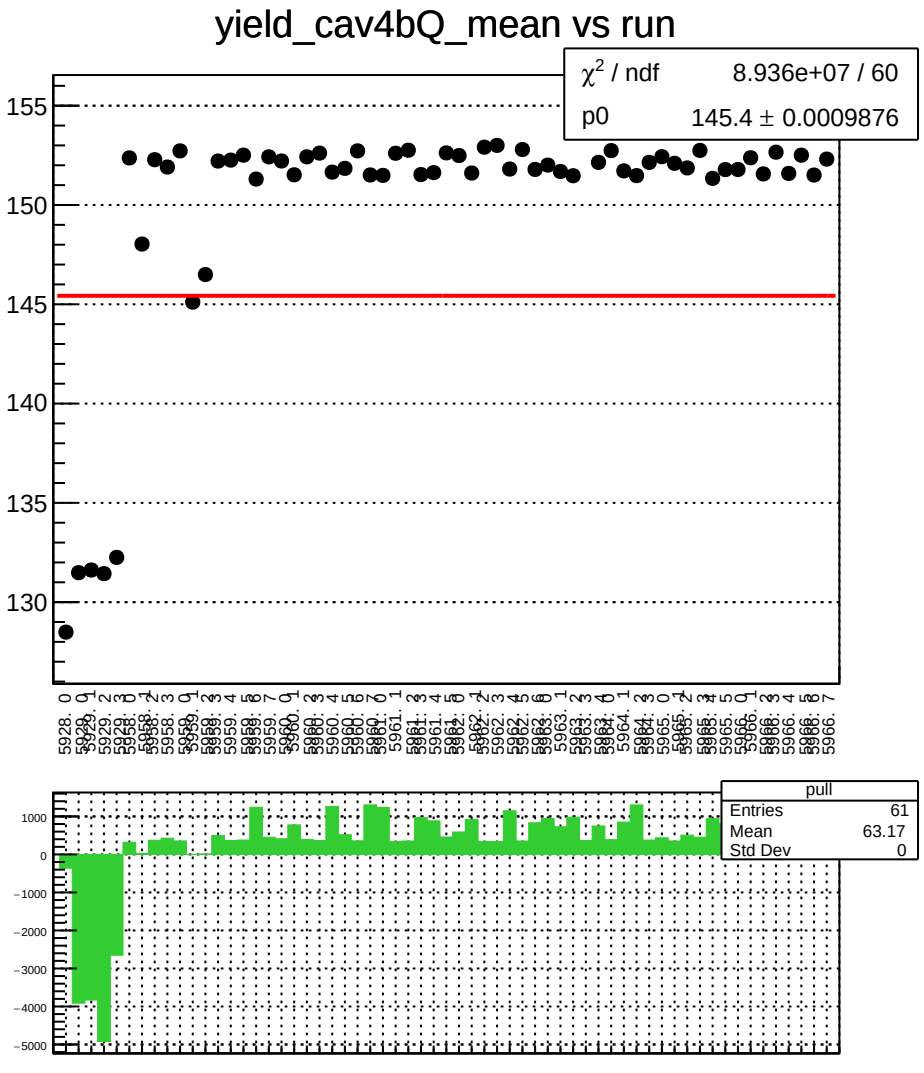

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

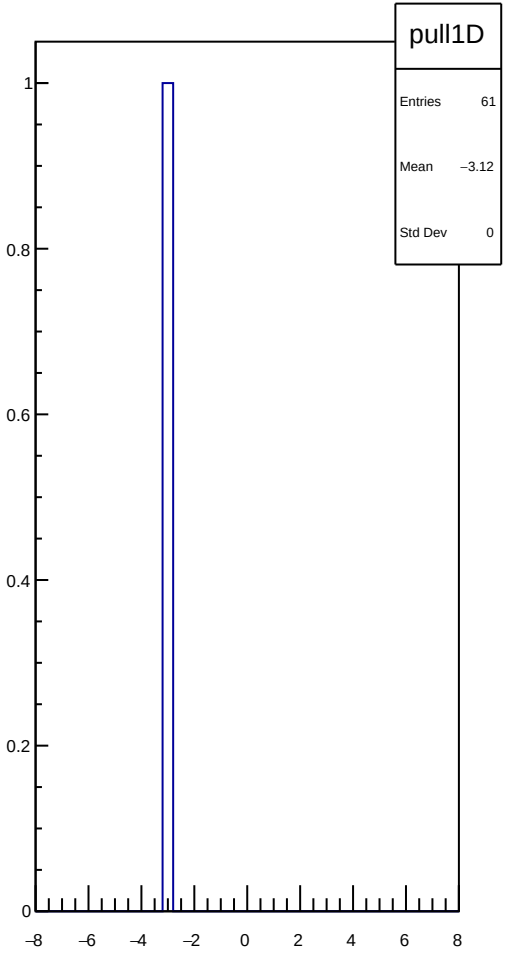

yield_bcm_dg_us_rms vs run
χ² / ndf 1.558e+05 / 60
p0 0.3041 ± 0.0002987
9
8
7
6
5
4
3
2
1

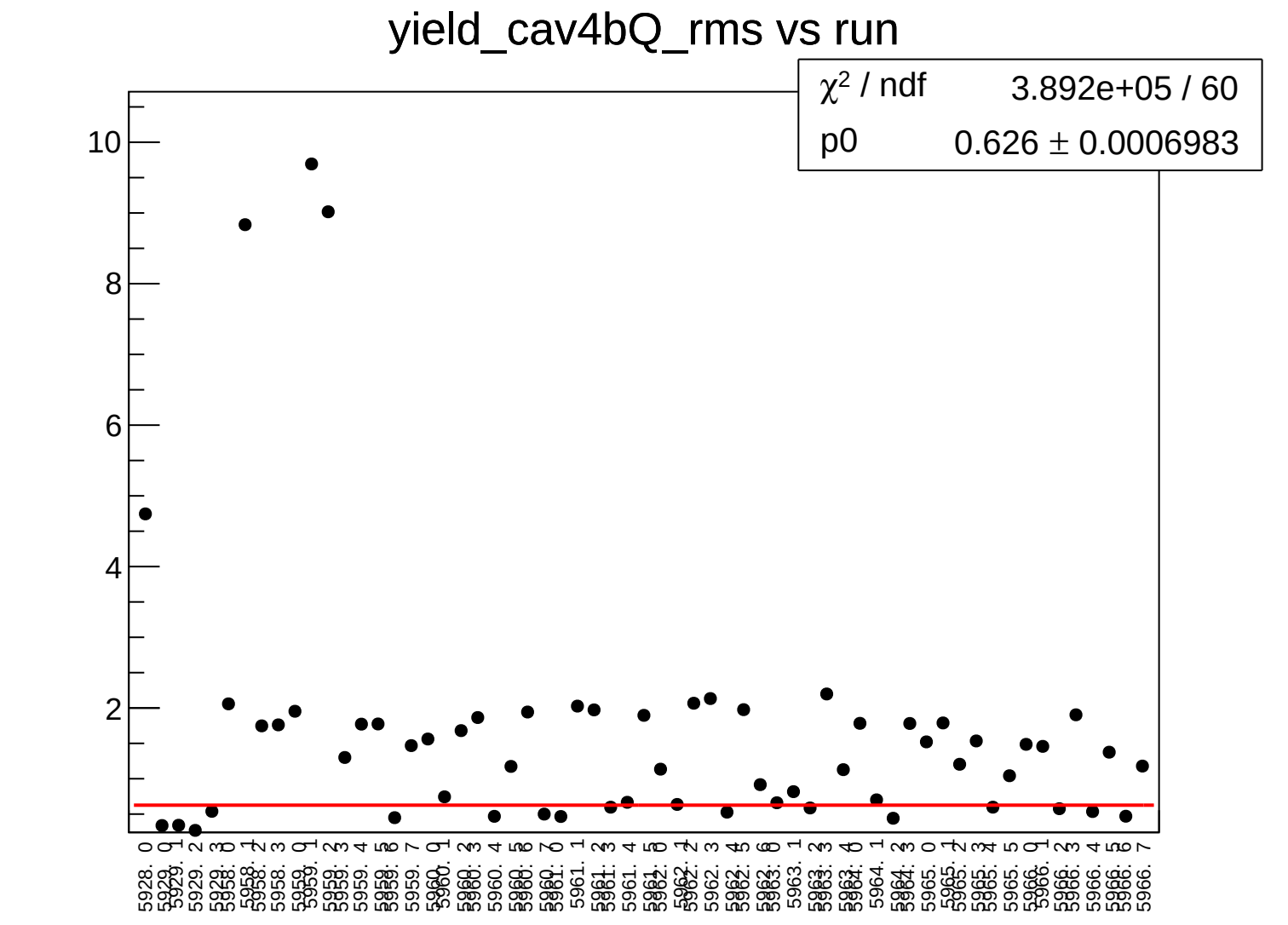

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.54e+08 / 60
p0 143 ± 0.000439
145
140
135
130
125
pull
Entries 61
Mean 111
Std Dev 0
2000
0
−2000
−4000
−6000
−8000
−10000

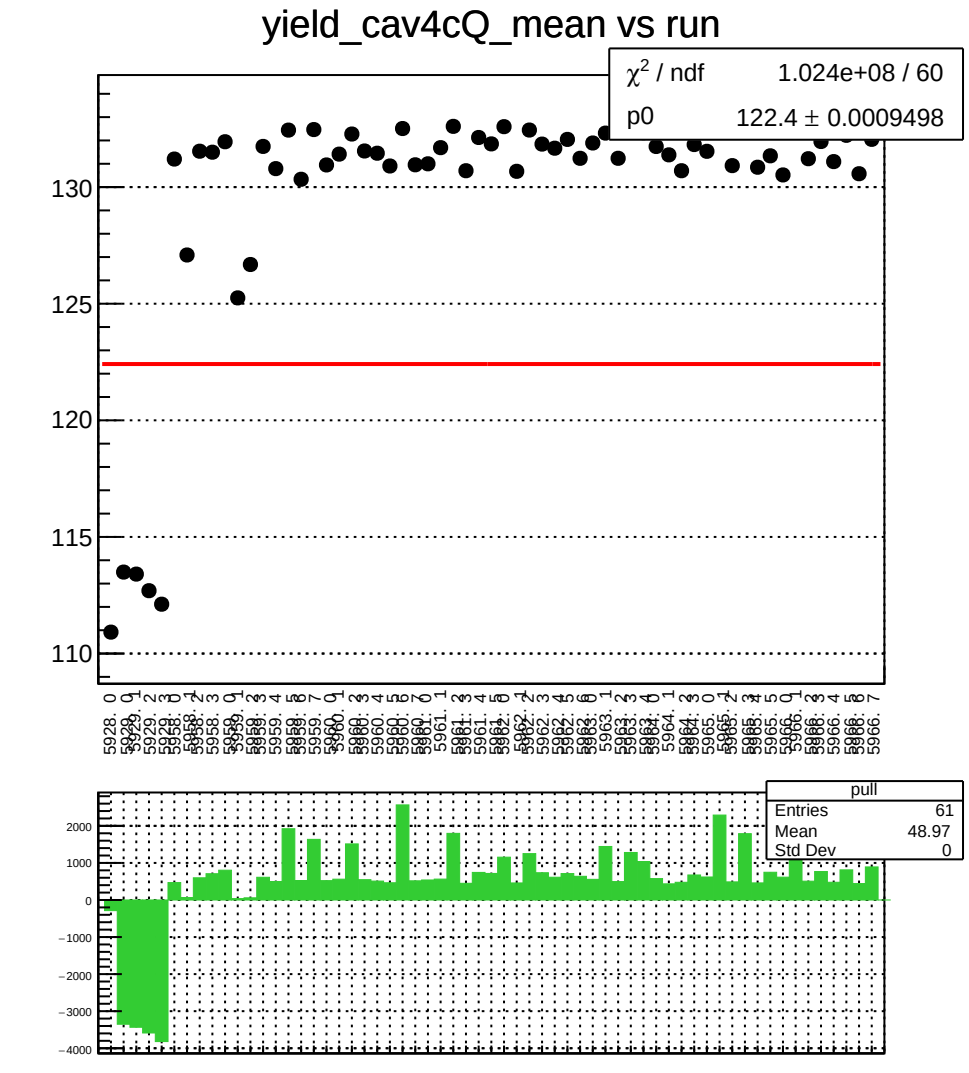

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

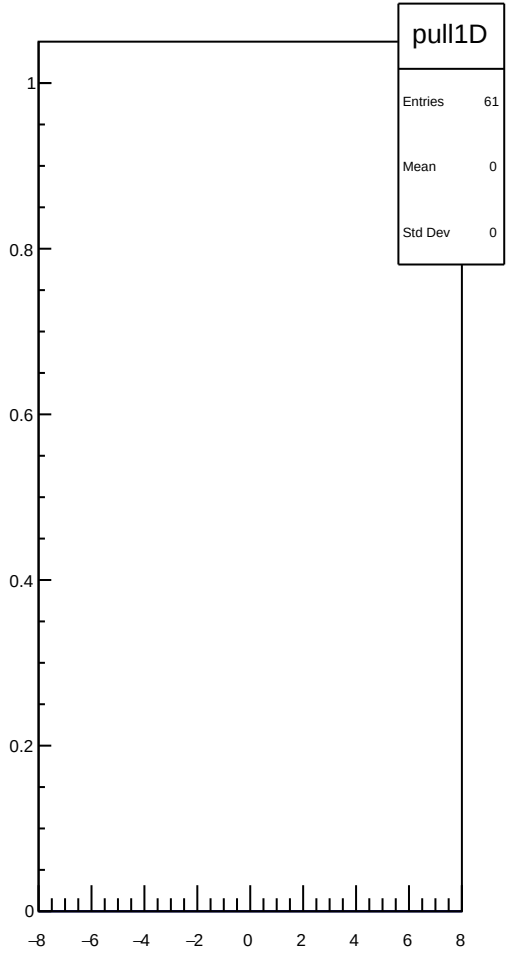

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.552e+05 / 60
p0 0.3162 ± 0.0003104
9
8
7
6
5
4
3
2
1

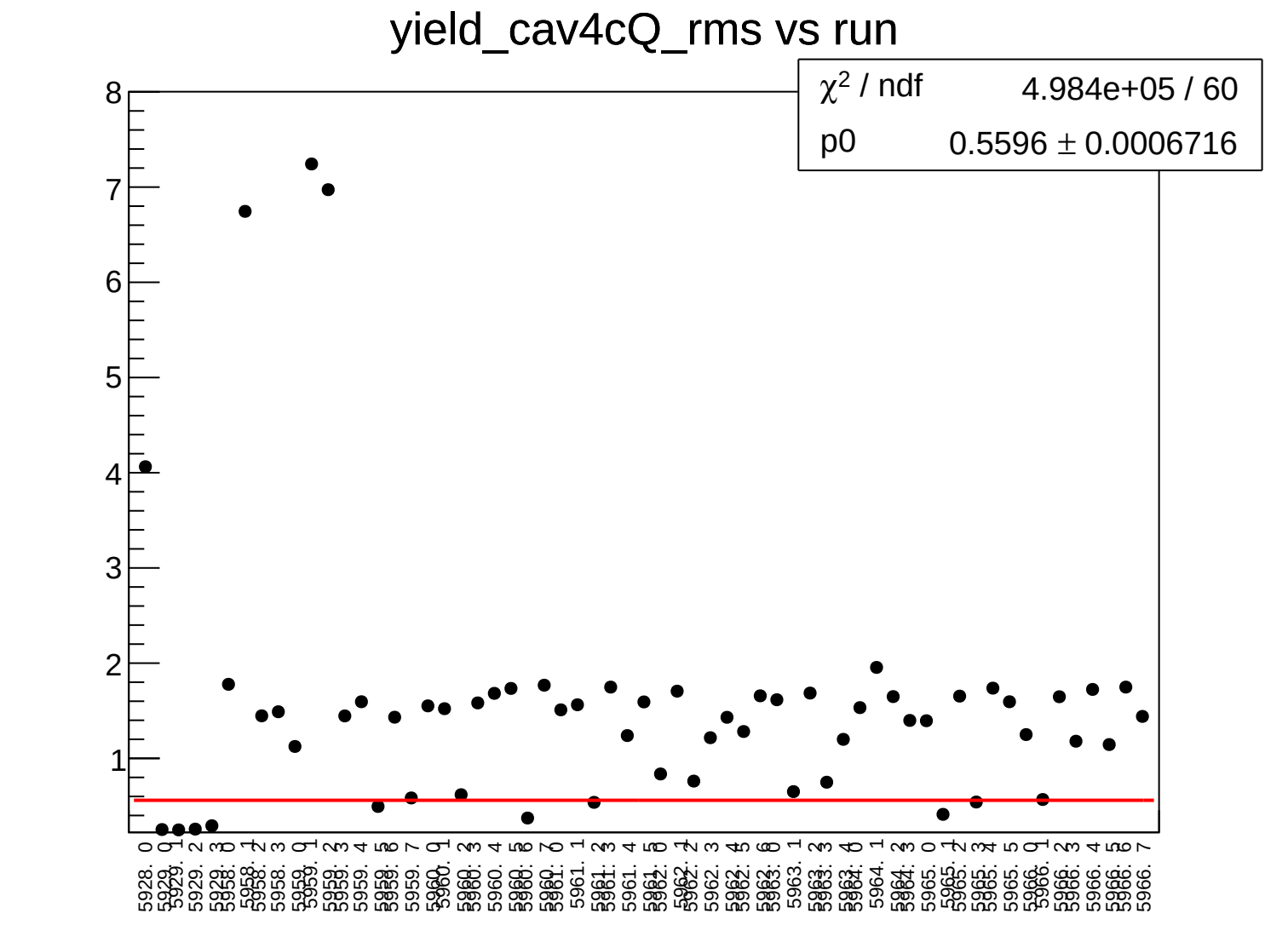

yield_cav4bQ_mean vs run
χ² / ndf 8.936e+07 / 60
p0 145.4 ± 0.0009876
155
150
145
140
135
130
pull
Entries 61
Mean 63.17
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000

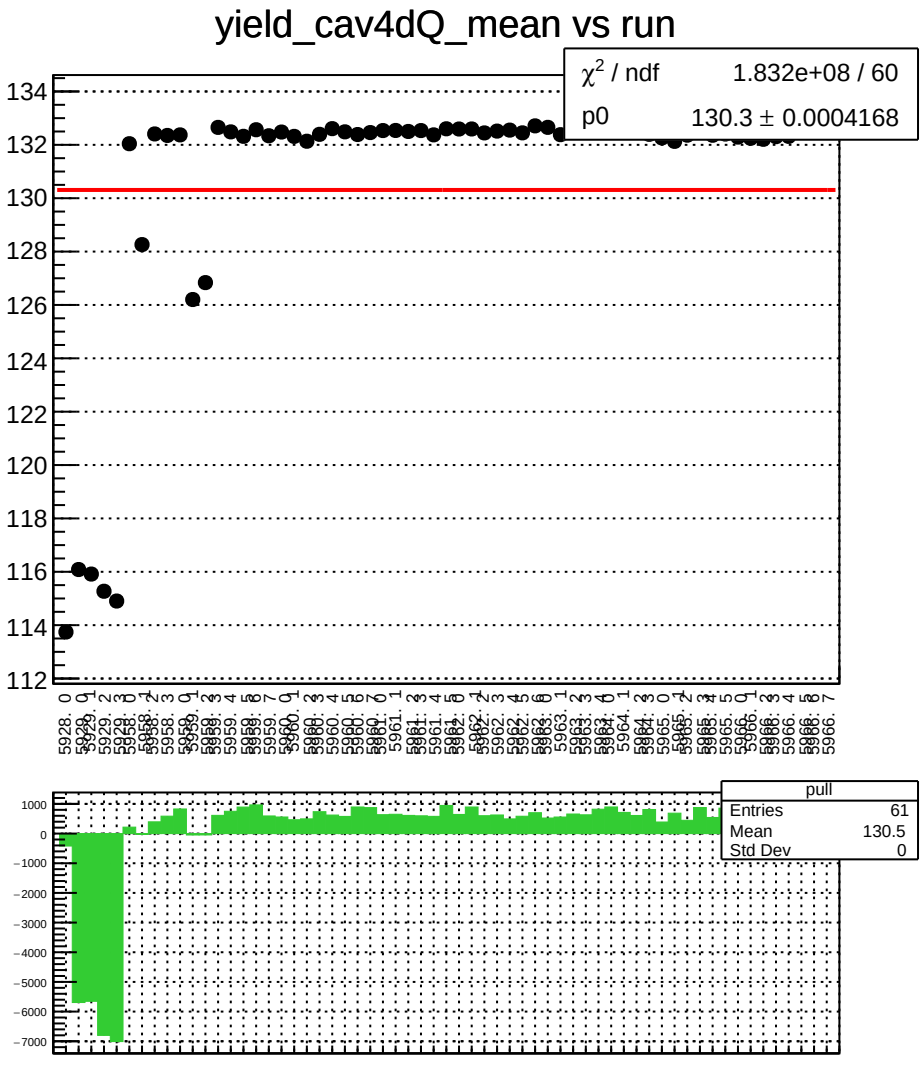

pull1D
Entries 61
Mean −3.12
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

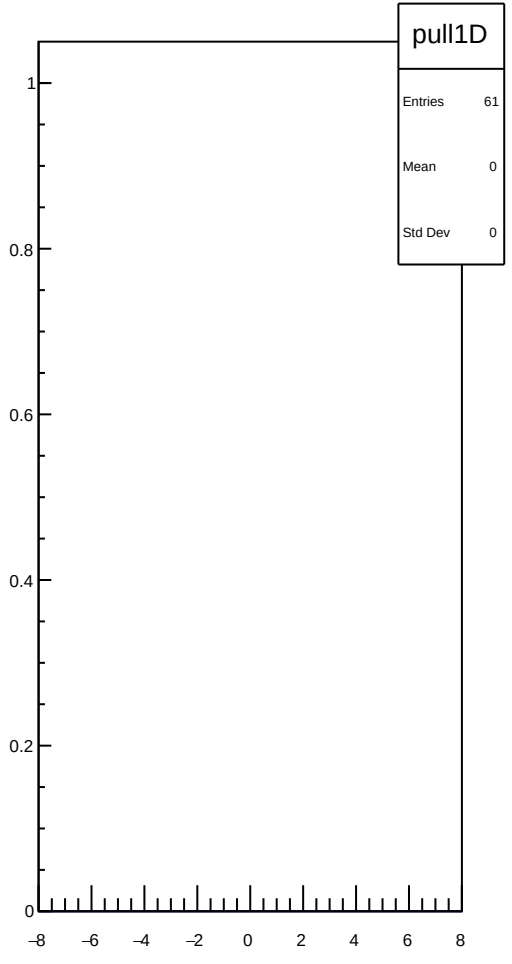

yield_cav4bQ_rms vs run
χ² / ndf 3.892e+05 / 60
p0 0.626 ± 0.0006983
10
8
6
4
2

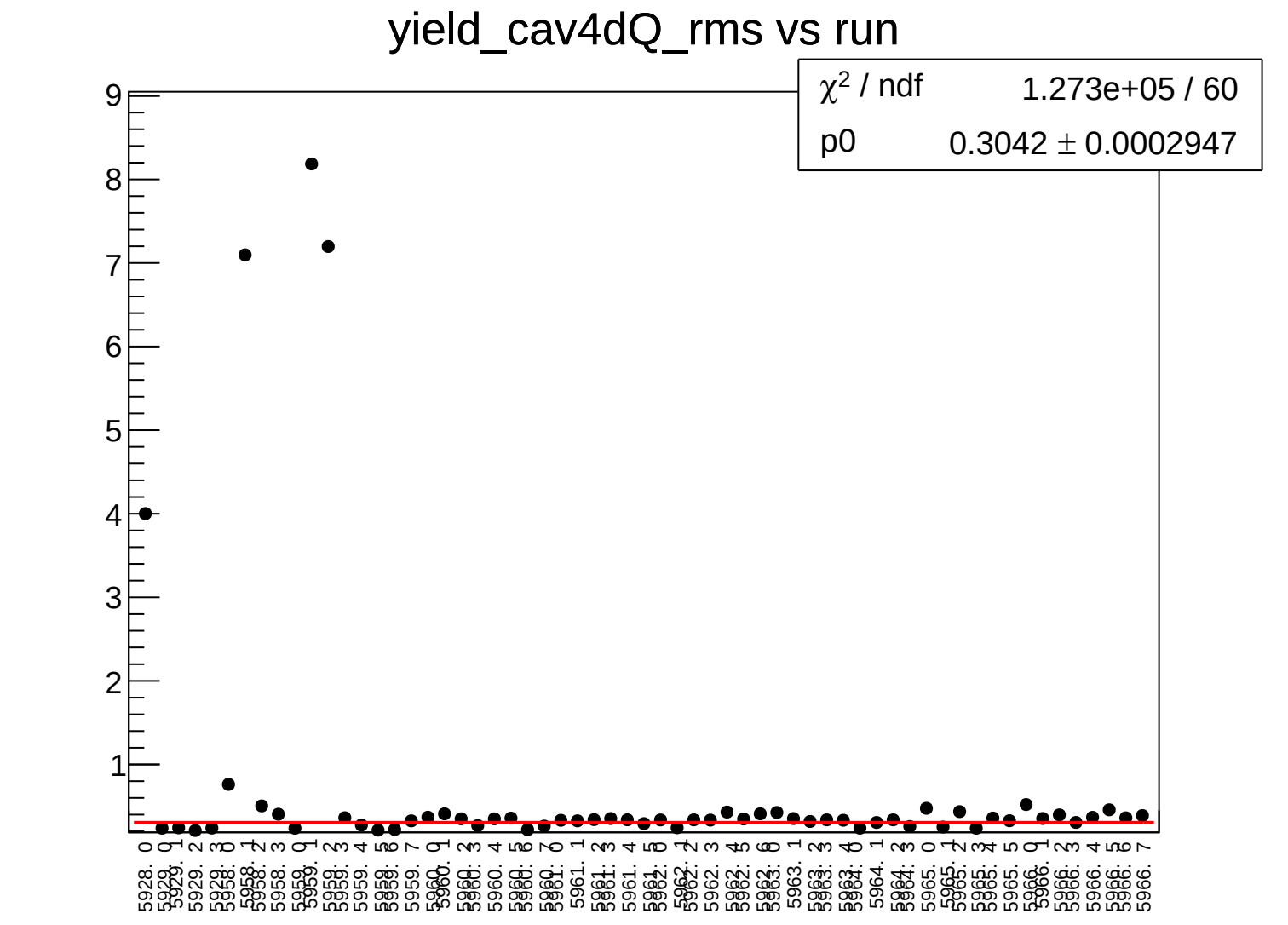

yield_cav4cQ_mean vs run
χ² / ndf 1.024e+08 / 60
p0 122.4 ± 0.0009498
130
125
120
115
110
pull
Entries 61
Mean 48.97
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000

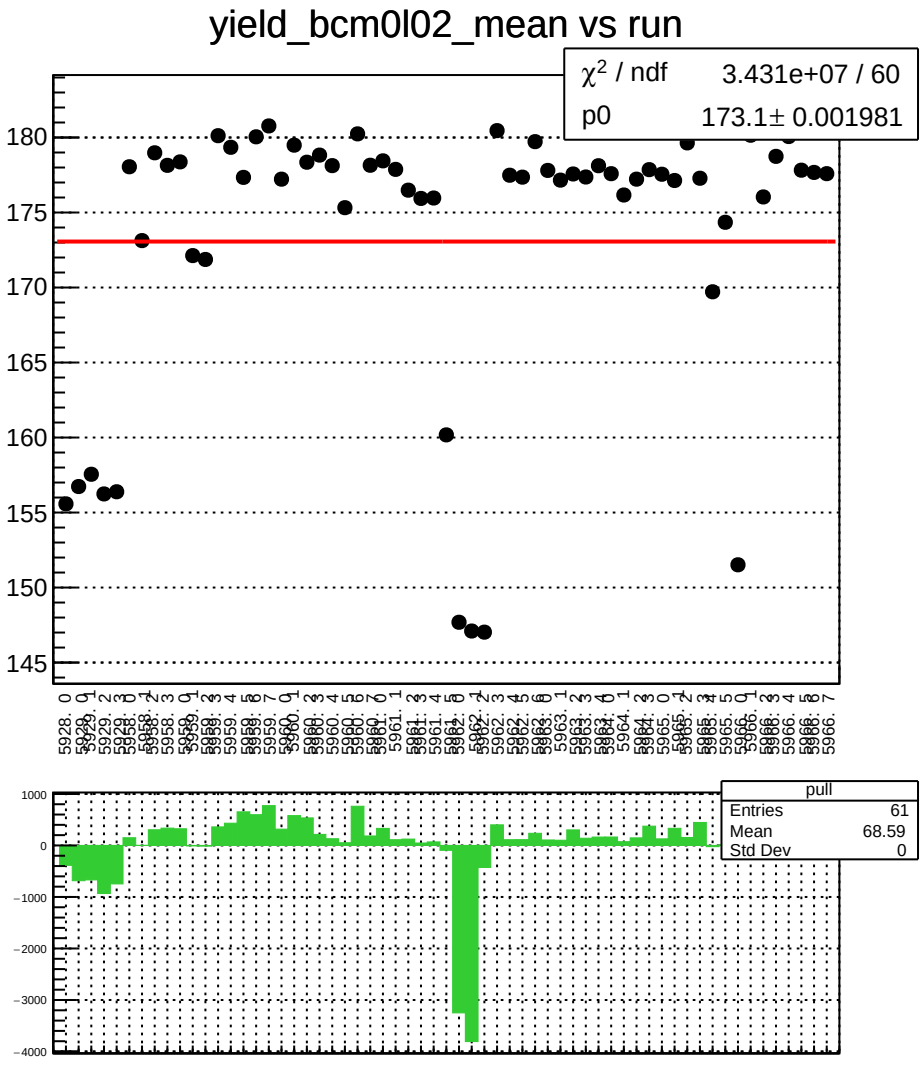

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

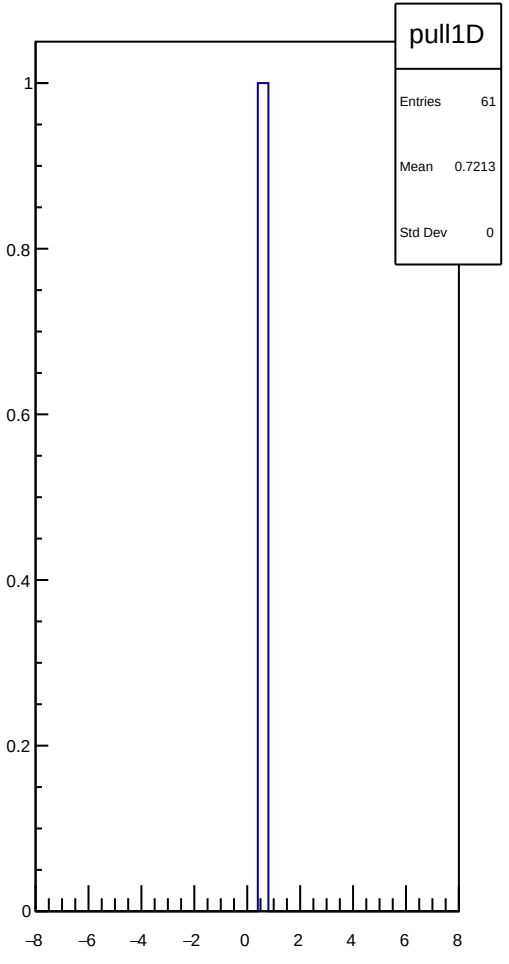

yield_cav4cQ_rms vs run
χ² / ndf 4.984e+05 / 60
p0 0.5596 ± 0.0006716
8
7
6
5
4
3
2
1

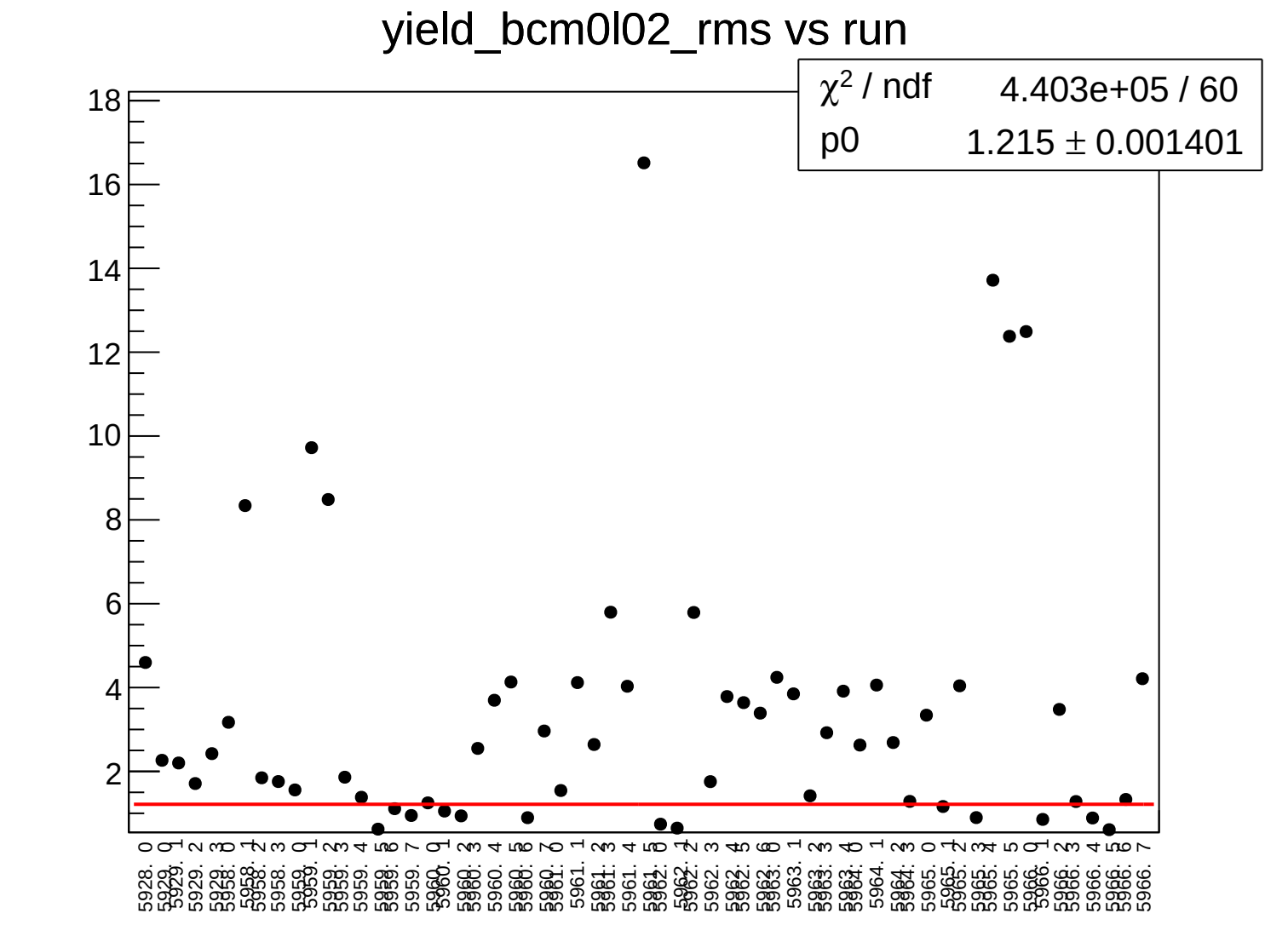

yield_cav4dQ_mean vs run
χ² / ndf 1.832e+08 / 60
p0 130.3 ± 0.0004168
pull
Entries 61
Mean 130.5
Std Dev 0

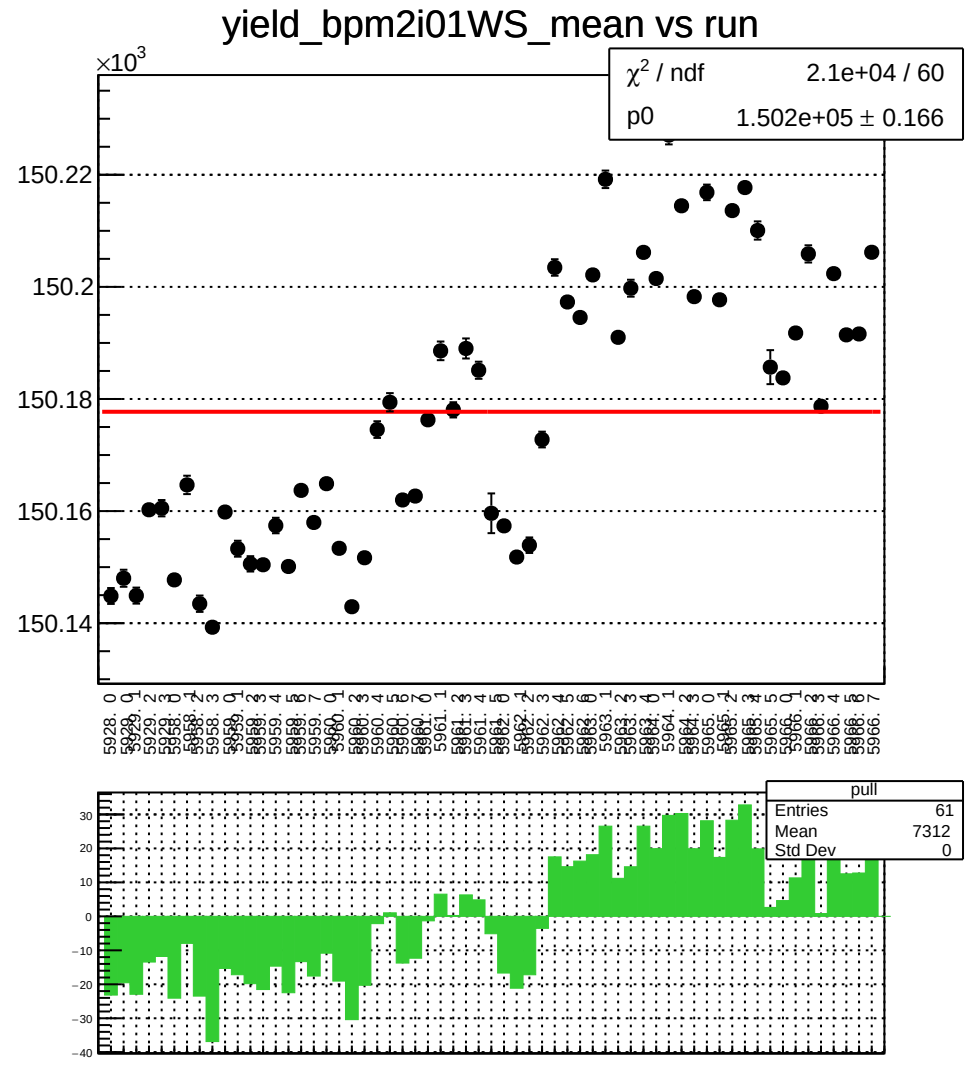

pull1D
Entries 61
Mean 0
Std Dev 0

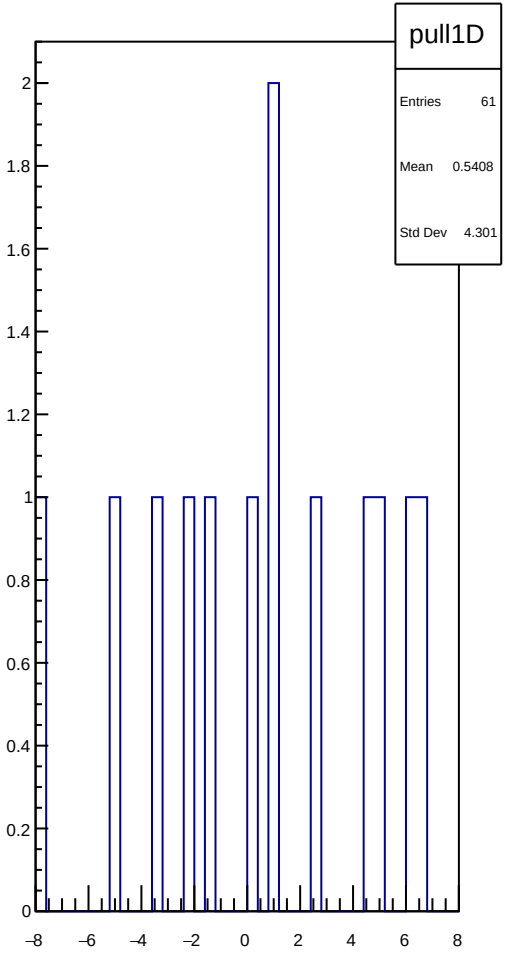

yield_cav4dQ_rms vs run
χ² / ndf 1.273e+05 / 60
p0 0.3042 ± 0.0002947
9
8
7
6
5
4
3
2
1

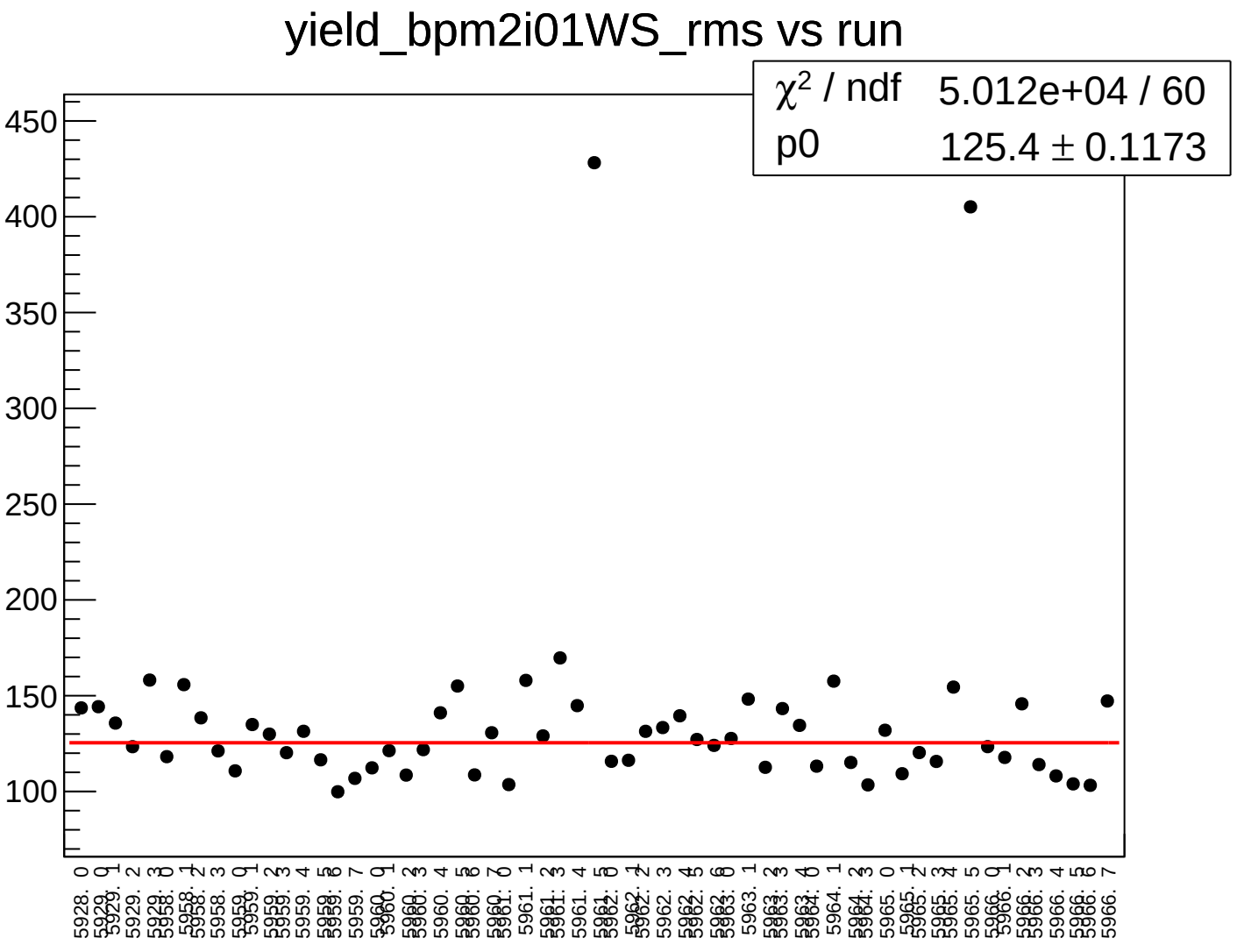

yield_bcm0l02_mean vs run
χ² / ndf 3.431e+07 / 60
p0 173.1± 0.001981
pull
Entries 61
Mean 68.59
Std Dev 0

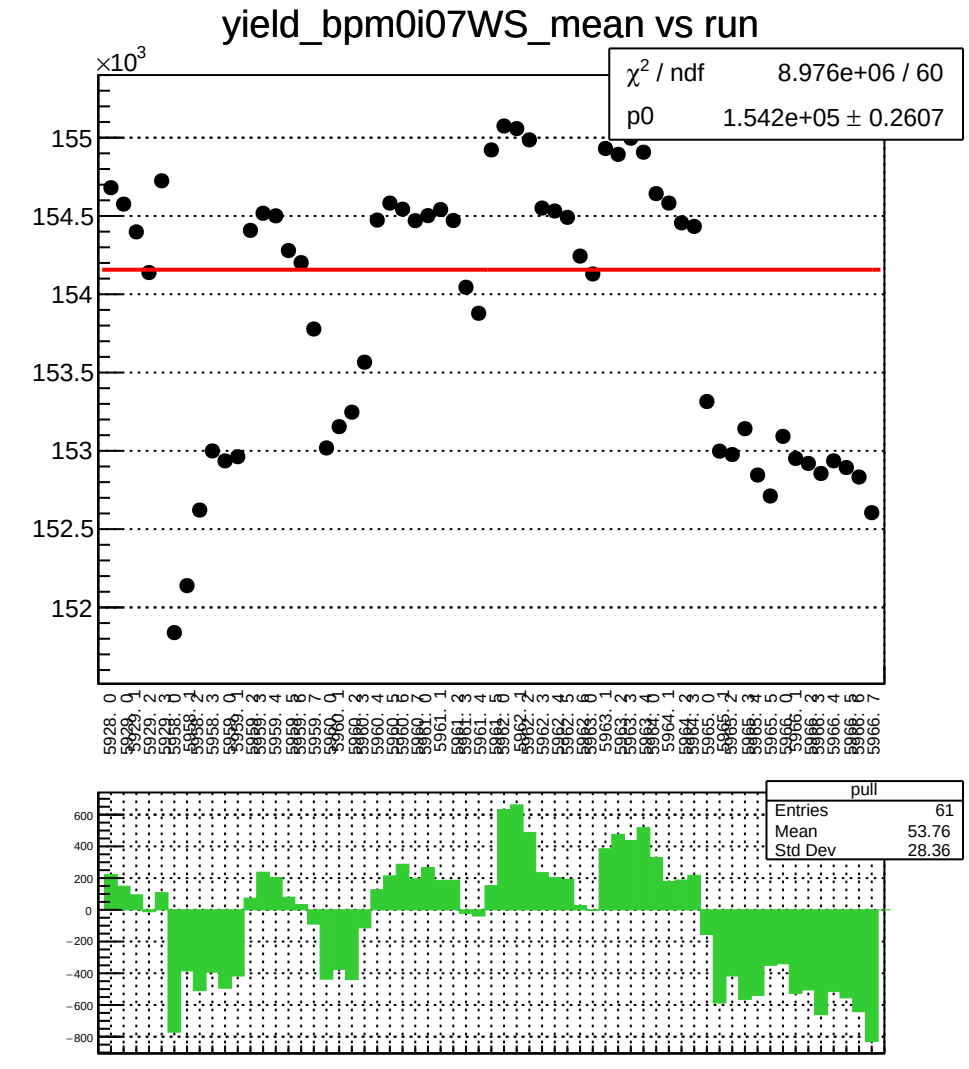

pull1D
Entries 61
Mean 0.7213
Std Dev 0

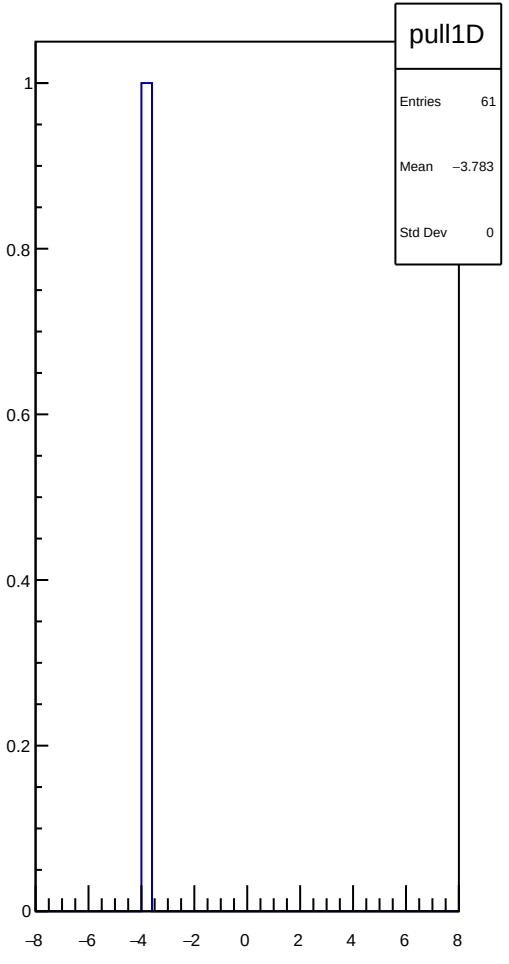

yield_bcm0l02_rms vs run
χ^2 / ndf 4.403e+05 / 60
p0 1.215 ± 0.001401
18
16
14
12
10
8
6
4
2

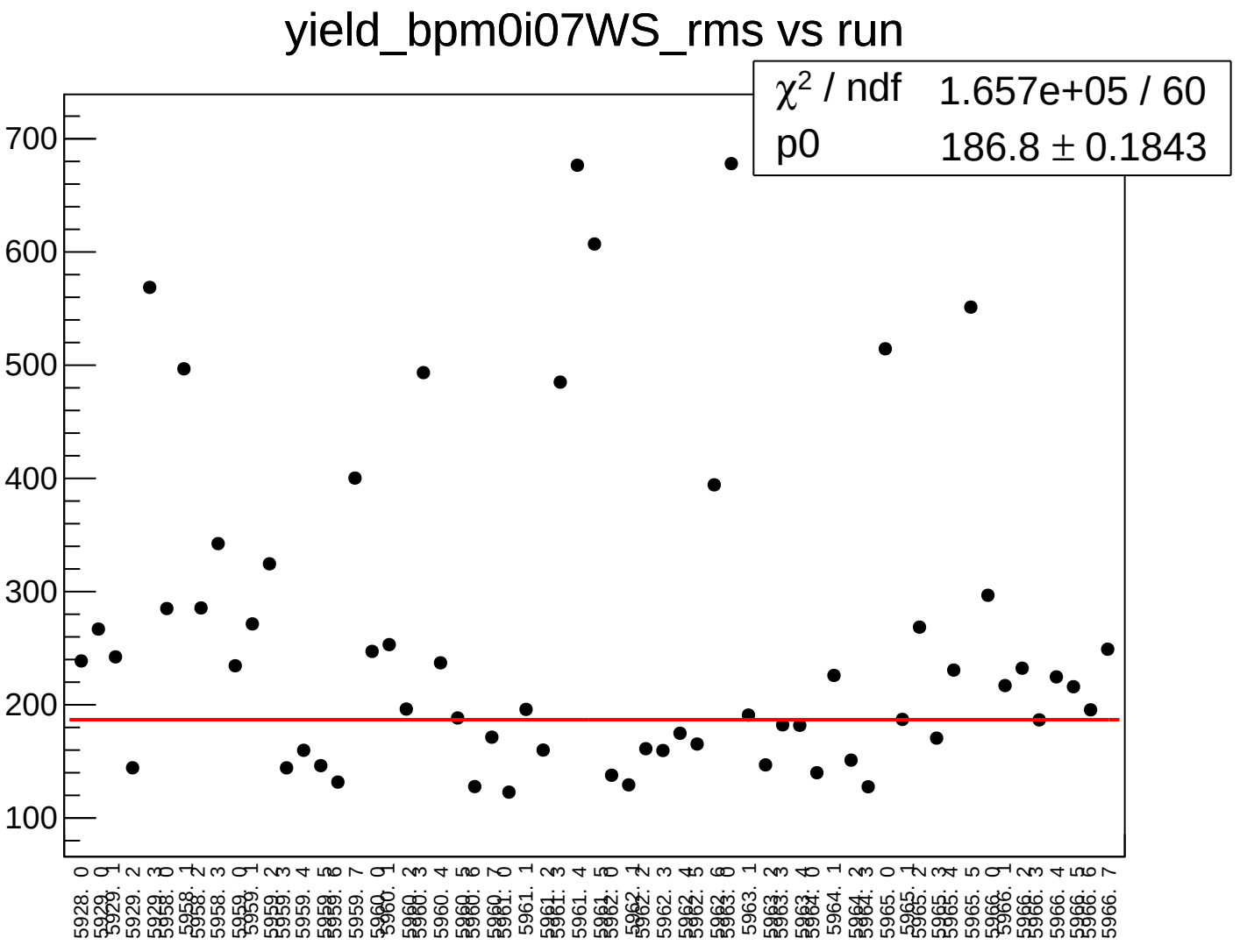

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2.1e+04 / 60
p0 1.502e+05 ± 0.166
150.22
150.2
150.18
150.16
150.14
pull
Entries 61
Mean 7312
Std Dev 0
30
20
10
0
−10
−20
−30
−40

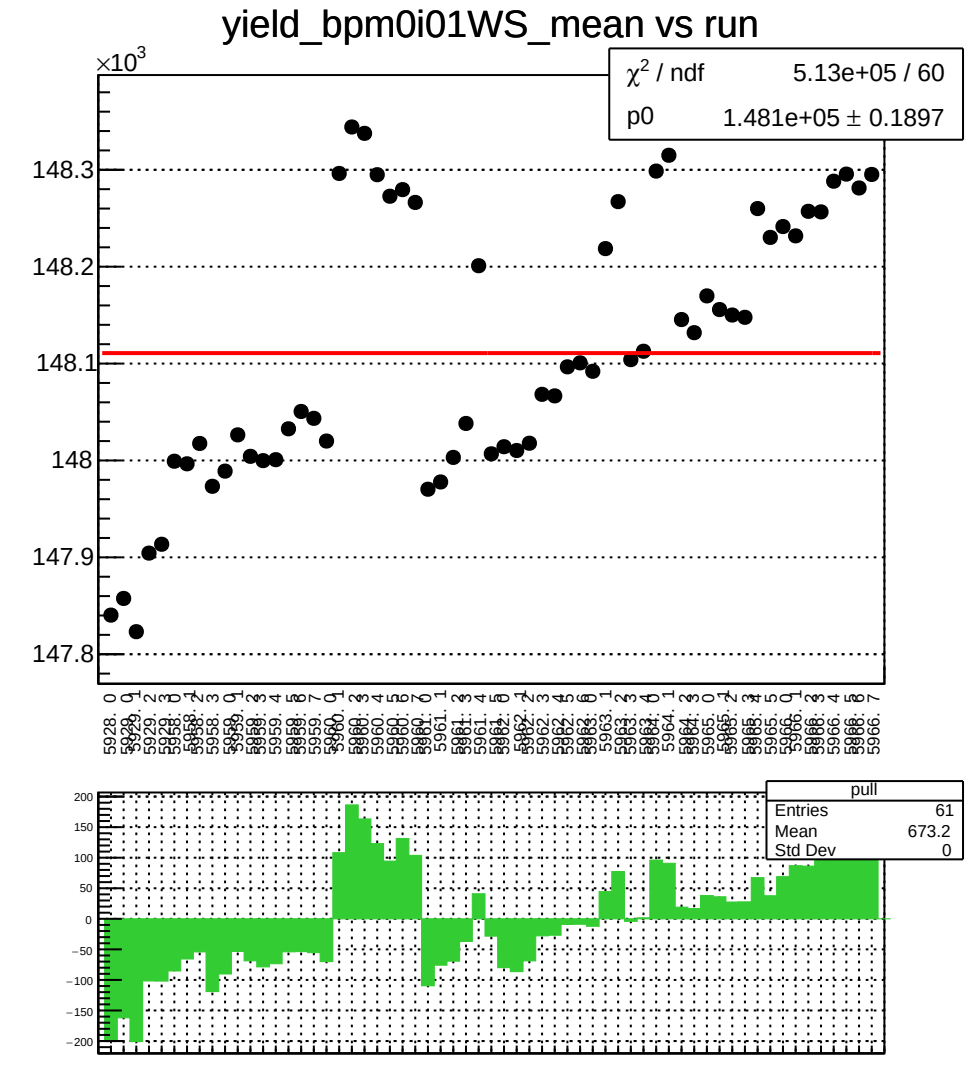

pull1D
Entries 61
Mean 0.5408
Std Dev 4.301
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

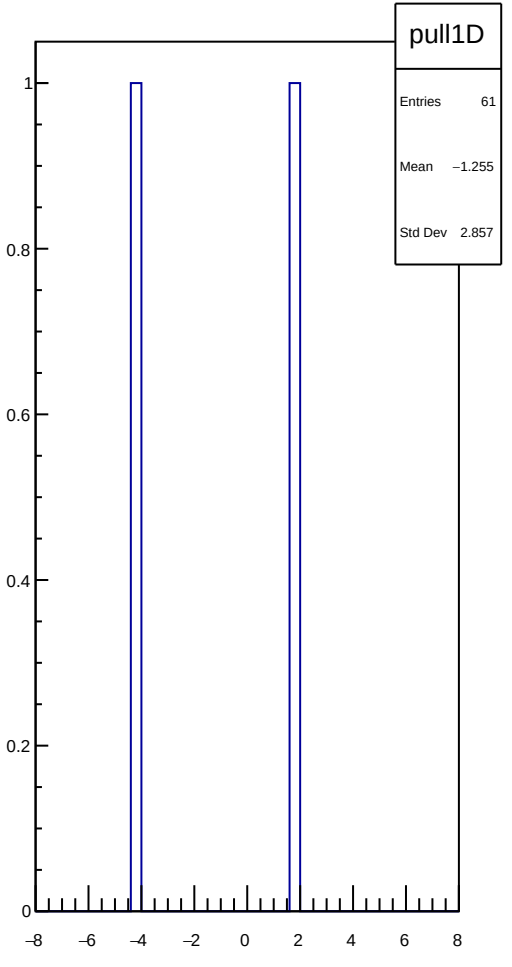

yield_bpm2i01WS_rms vs run
χ² / ndf 5.012e+04 / 60
p0 125.4 ± 0.1173
450
400
350
300
250
200
150
100

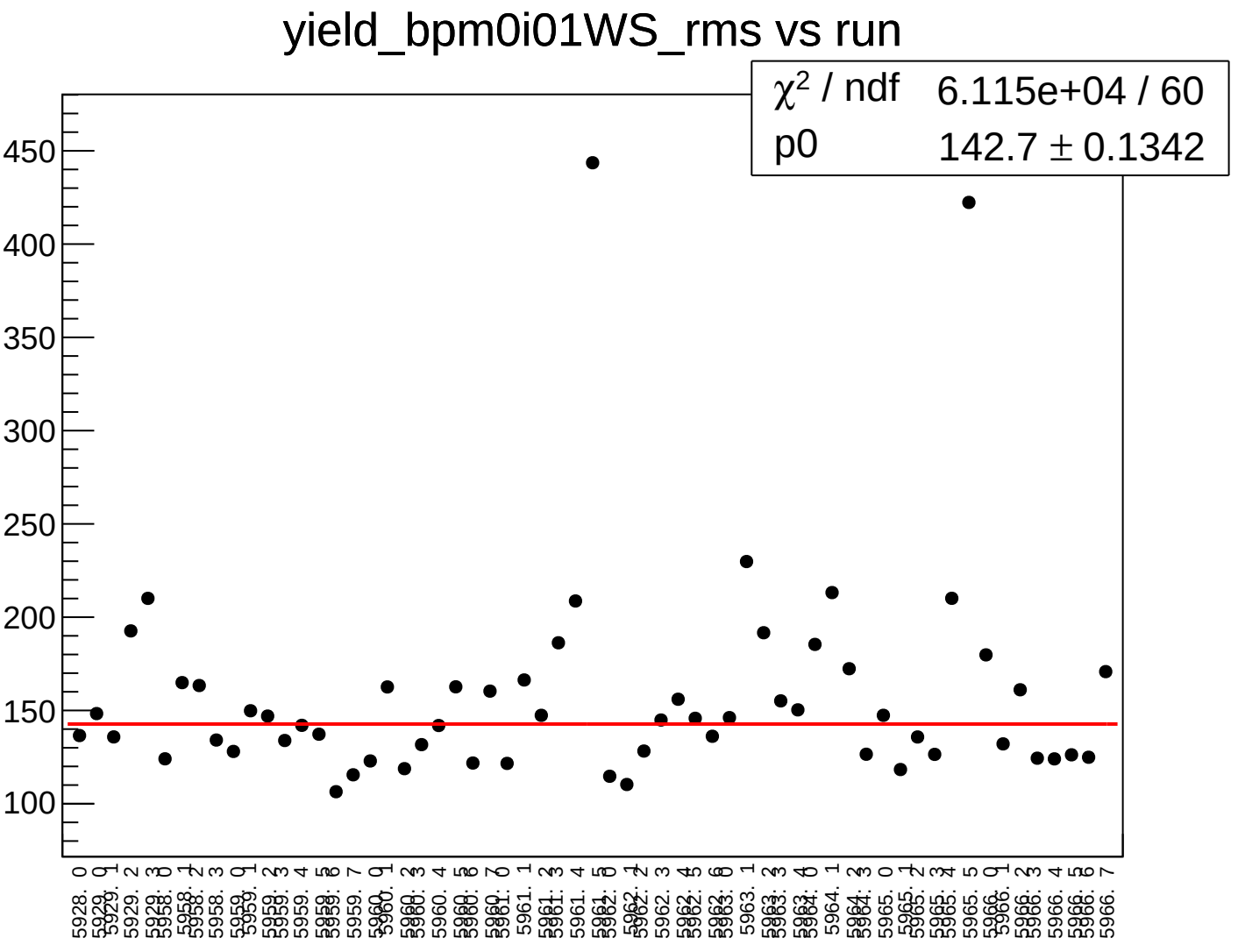

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8.976e+06 / 60
p0 1.542e+05 ± 0.2607
155
154.5
154
153.5
153
152.5
152
pull
Entries 61
Mean 53.76
Std Dev 28.36
600
400
200
0
−200
−400
−600
−800

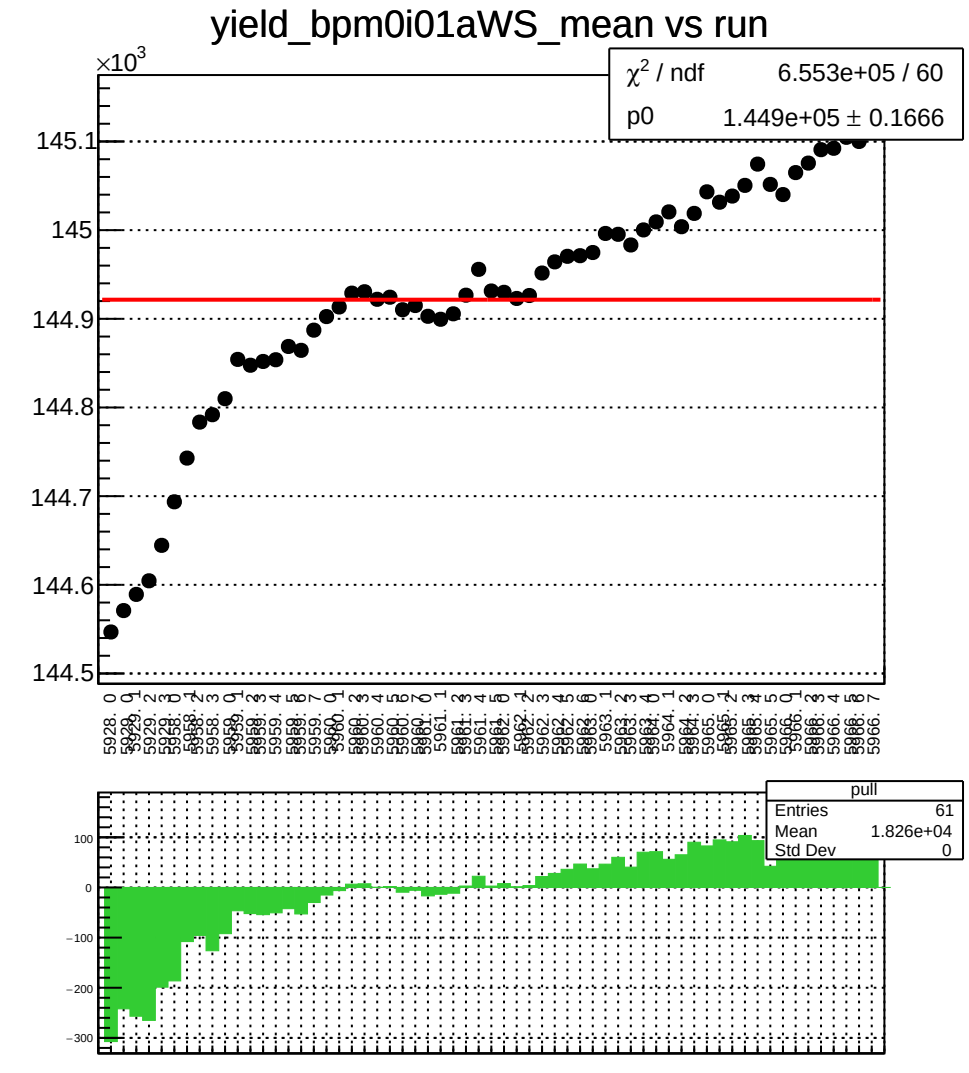

pull1D
Entries 61
Mean −3.783
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

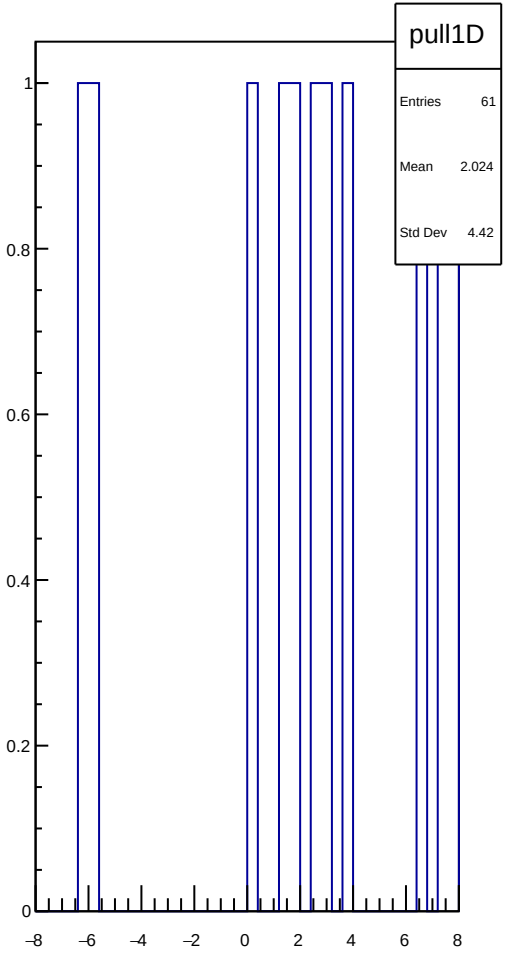

yield_bpm0i07WS_rms vs run
χ² / ndf 1.657e+05 / 60
p0 186.8 ± 0.1843
700
600
500
400
300
200
100

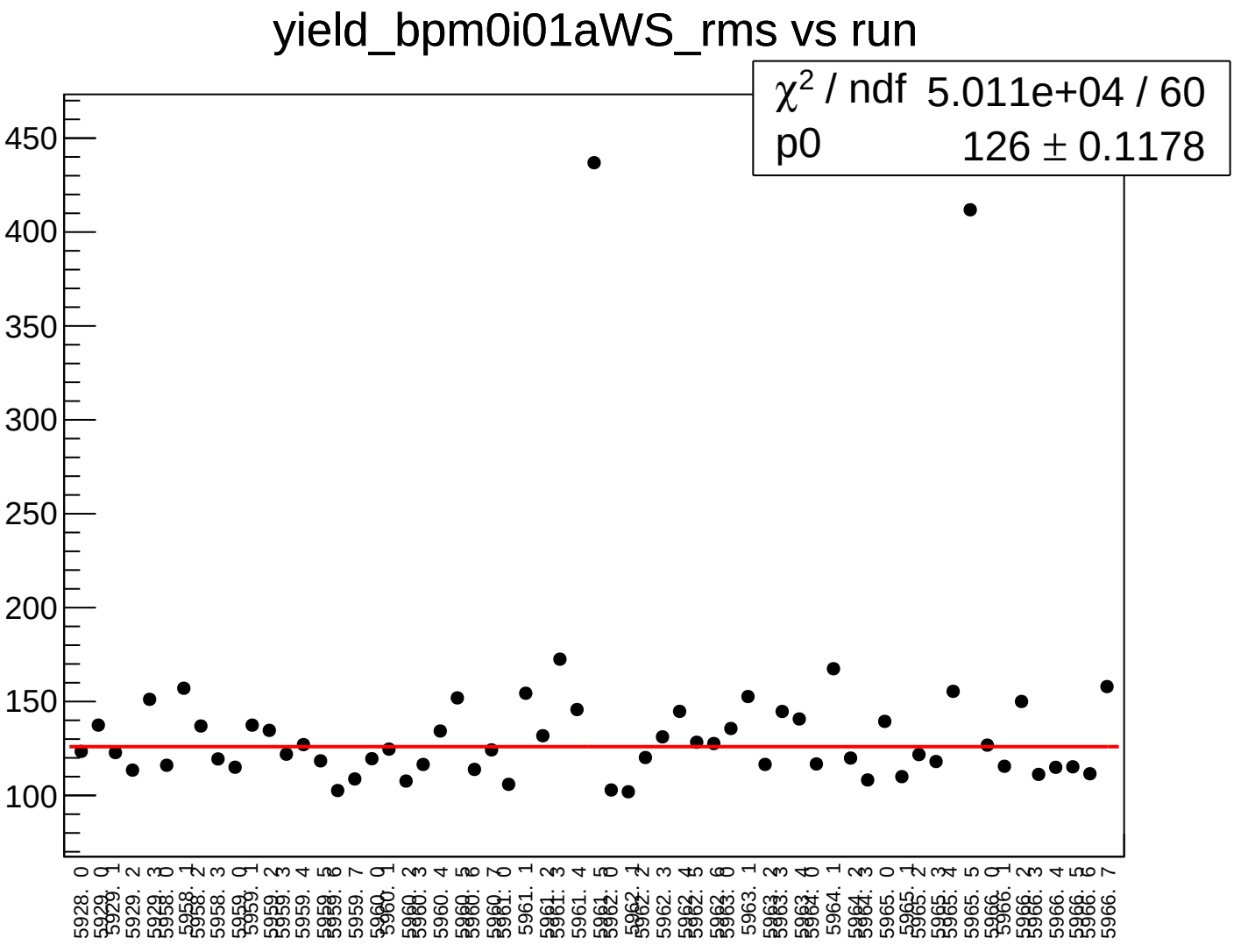

yield_bpm0i01WS_mean vs run
×10^3
χ^2 / ndf 5.13e+05 / 60
p0 1.481e+05 ± 0.1897
148.3
148.2
148.1
148
147.9
147.8
pull
Entries 61
Mean 673.2
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

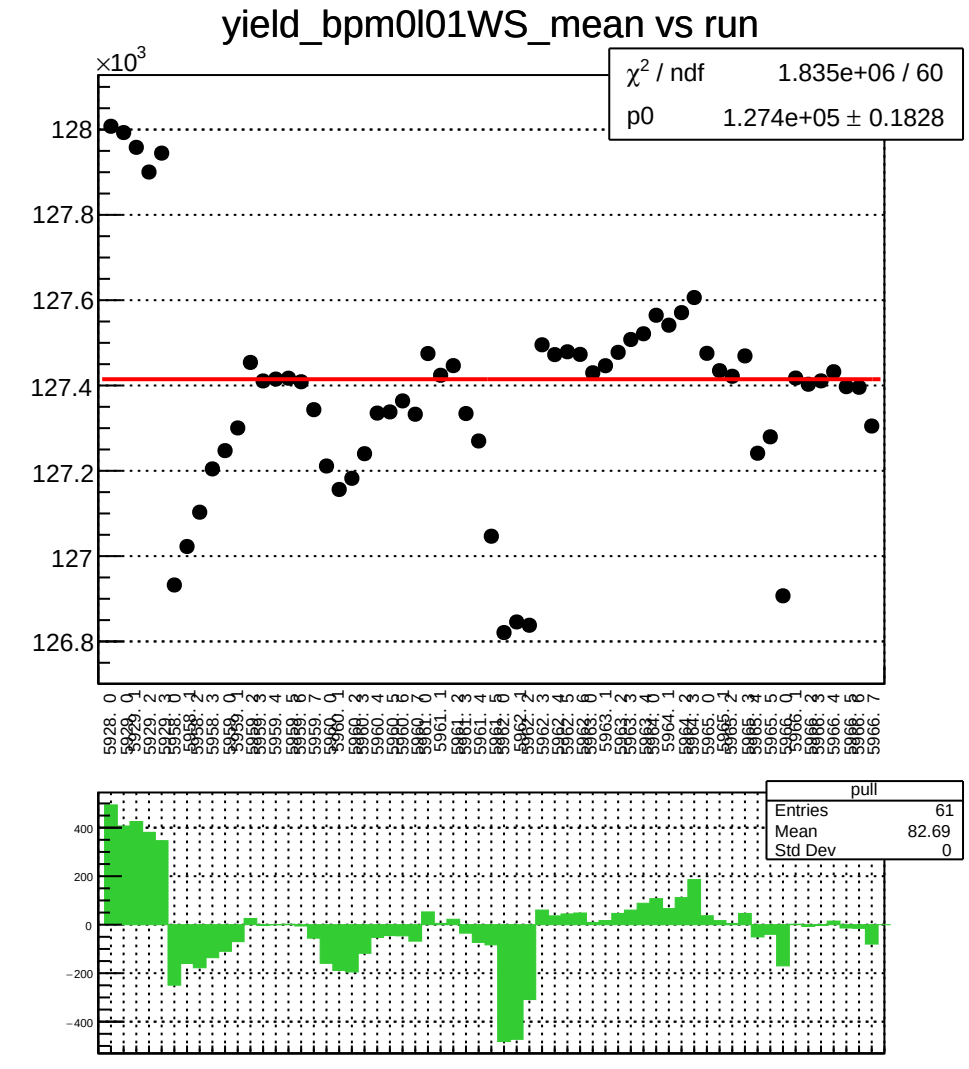

pull1D
Entries 61
Mean −1.255
Std Dev 2.857
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

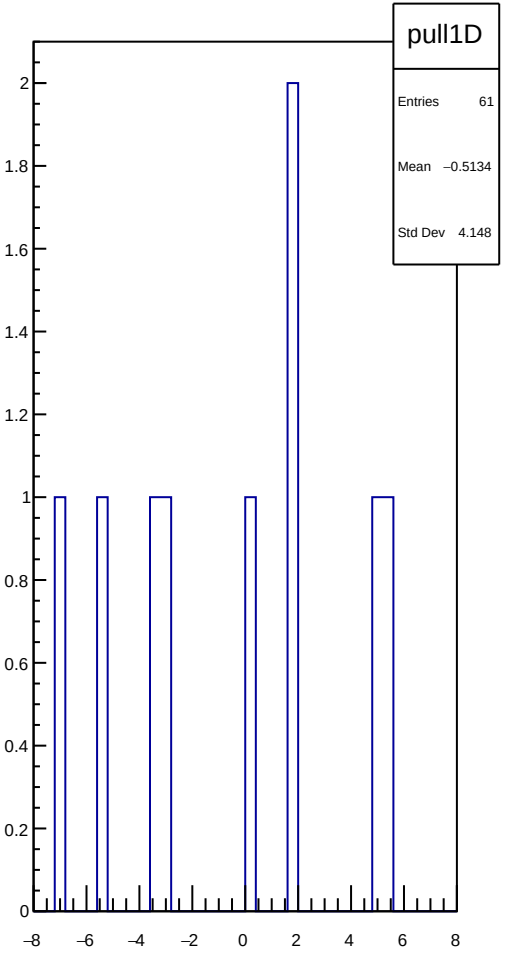

yield_bpm0i01WS_rms vs run
χ² / ndf 6.115e+04 / 60
p0 142.7 ± 0.1342
450
400
350
300
250
200
150
100

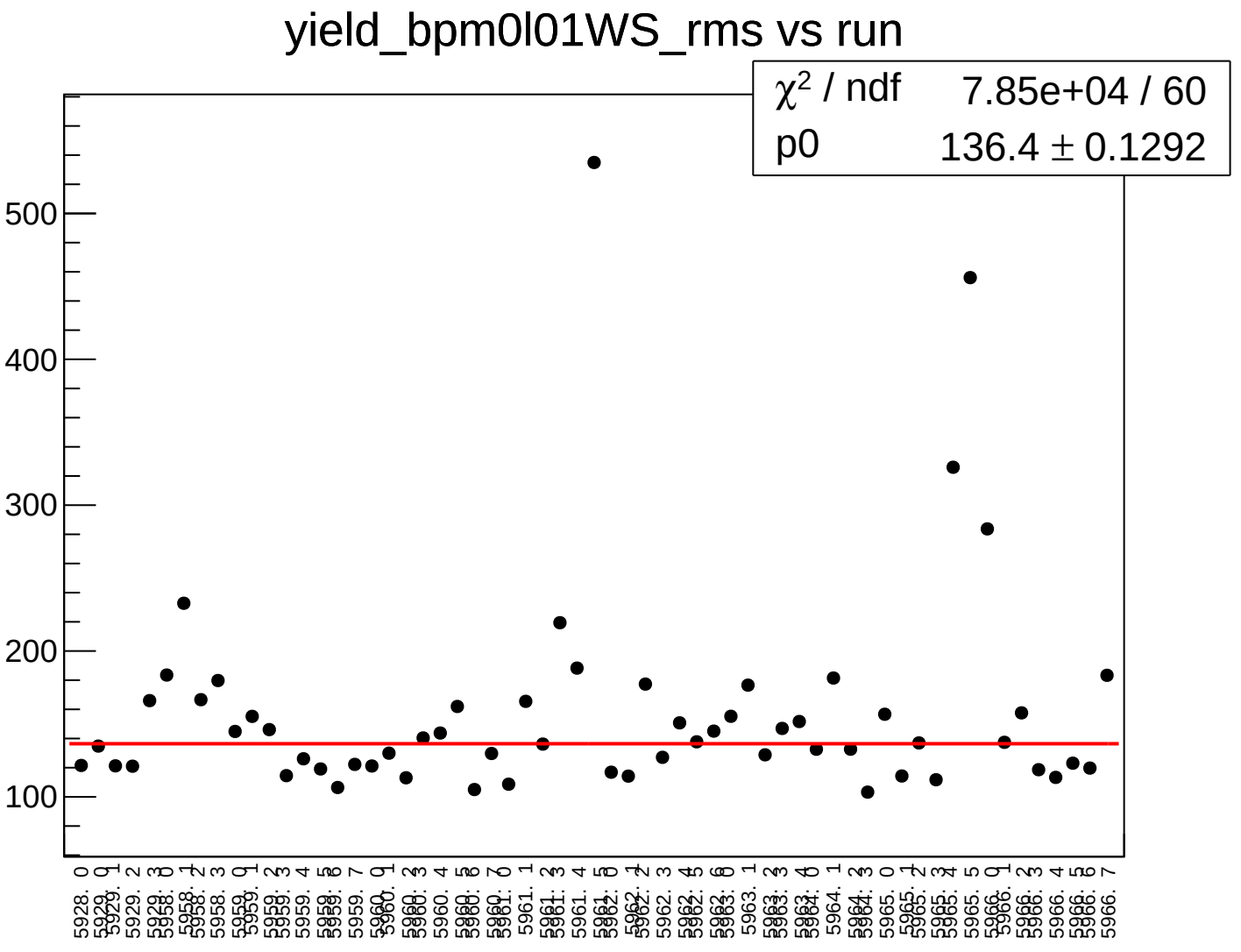

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 6.553e+05 / 60
p0 1.449e+05 ± 0.1666
145.1
145
144.9
144.8
144.7
144.6
144.5
pull
Entries 61
Mean 1.826e+04
Std Dev 0
100
0
−100
−200
−300

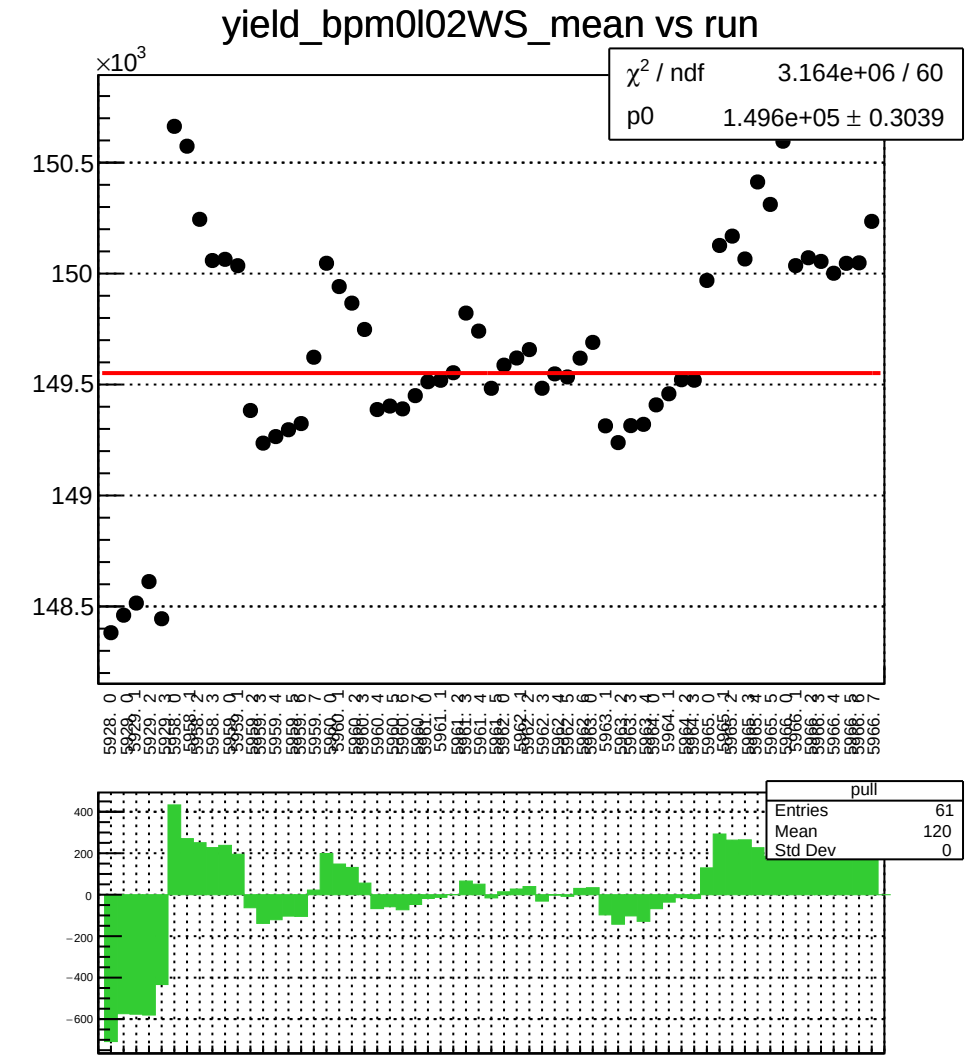

pull1D
Entries 61
Mean 2.024
Std Dev 4.42
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

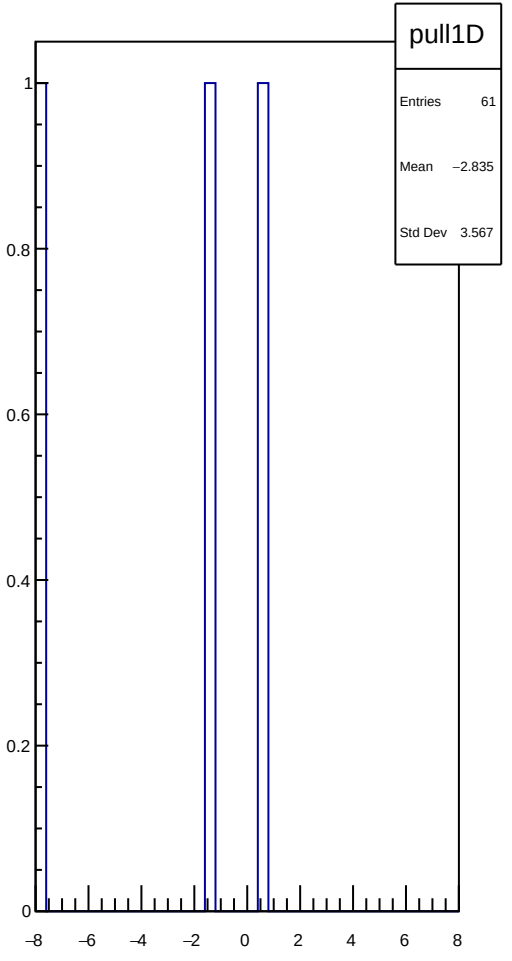

yield_bpm0i01aWS_rms vs run
χ^2 / ndf 5.011e+04 / 60
p0 126 ± 0.1178
450
400
350
300
250
200
150
100

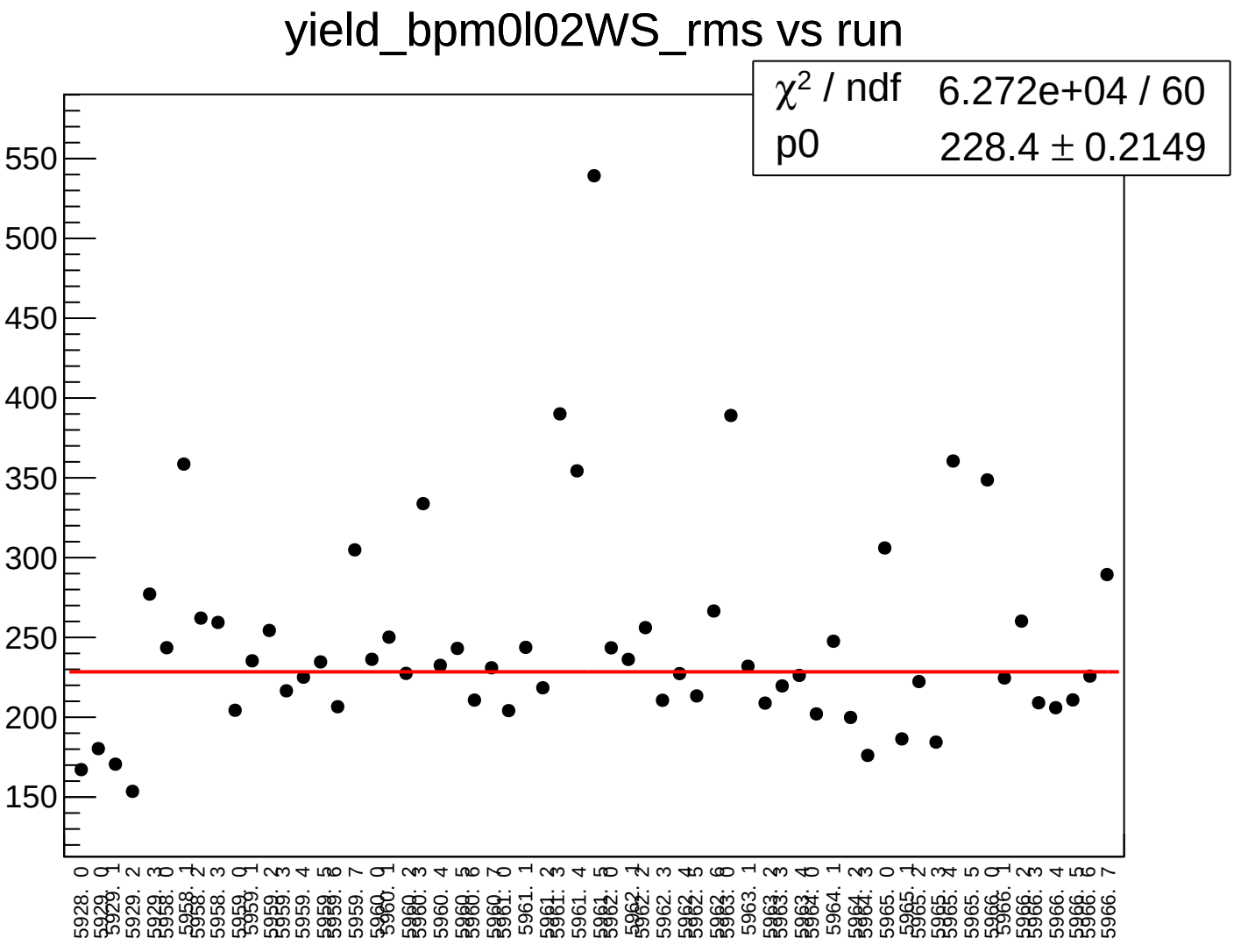

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.835e+06 / 60
p0 1.274e+05 ± 0.1828
128
127.8
127.6
127.4
127.2
127
126.8
pull
Entries 61
Mean 82.69
Std Dev 0
400
200
0
−200
−400

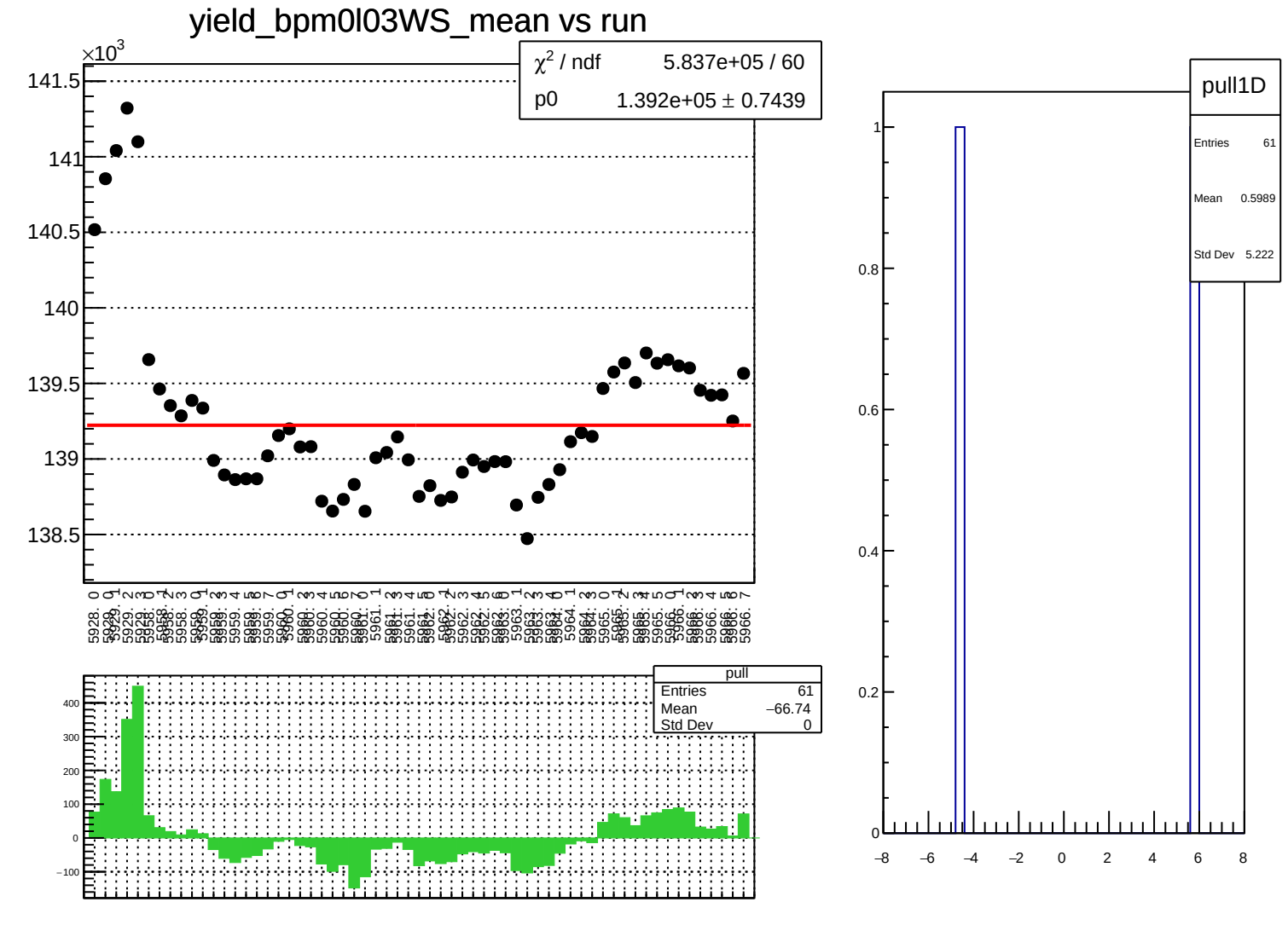

pull1D
Entries 61
Mean −0.5134
Std Dev 4.148
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

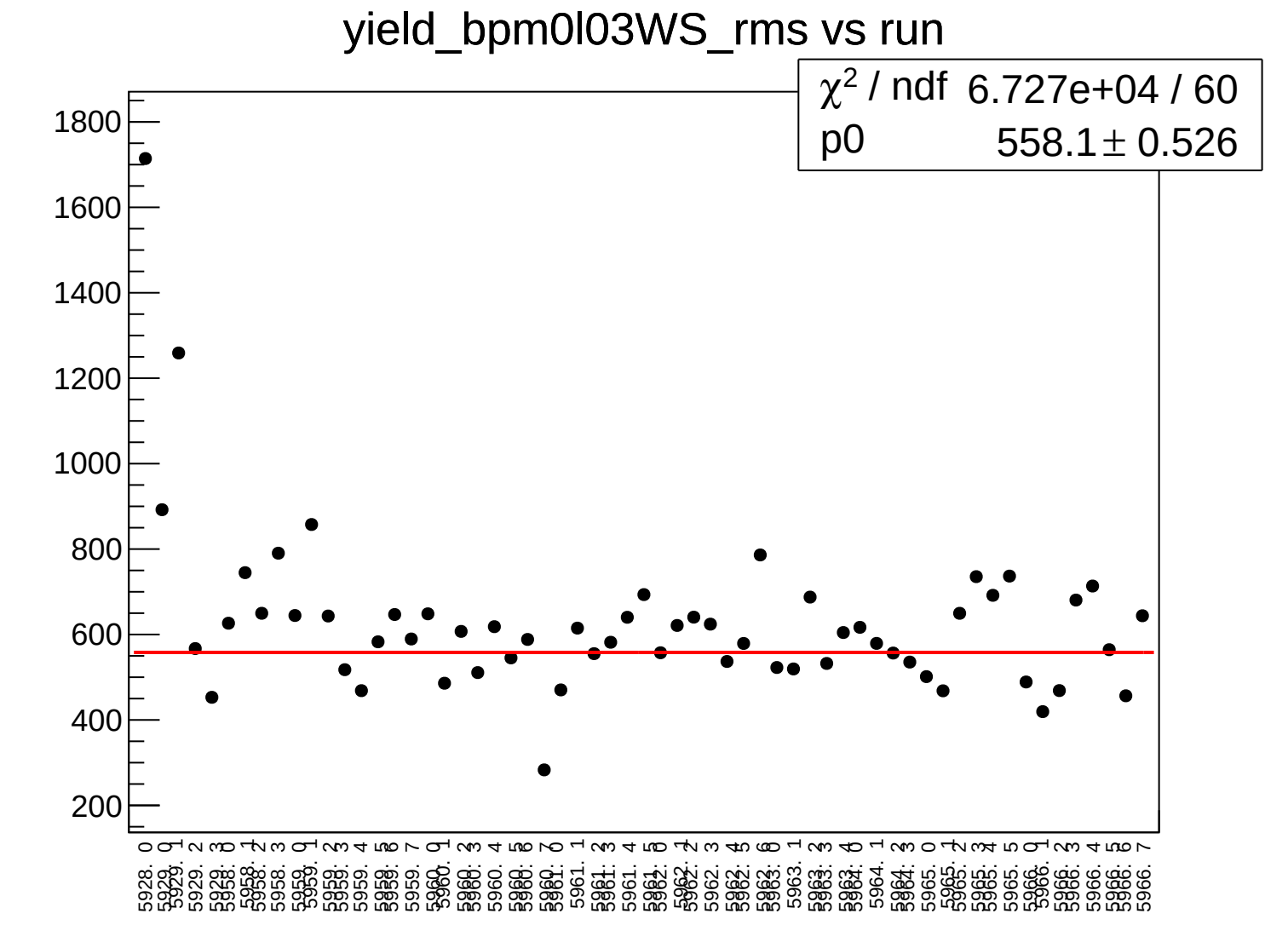

yield_bpm0l01WS_rms vs run
χ² / ndf 7.85e+04 / 60
p0 136.4 ± 0.1292
500
400
300
200
100

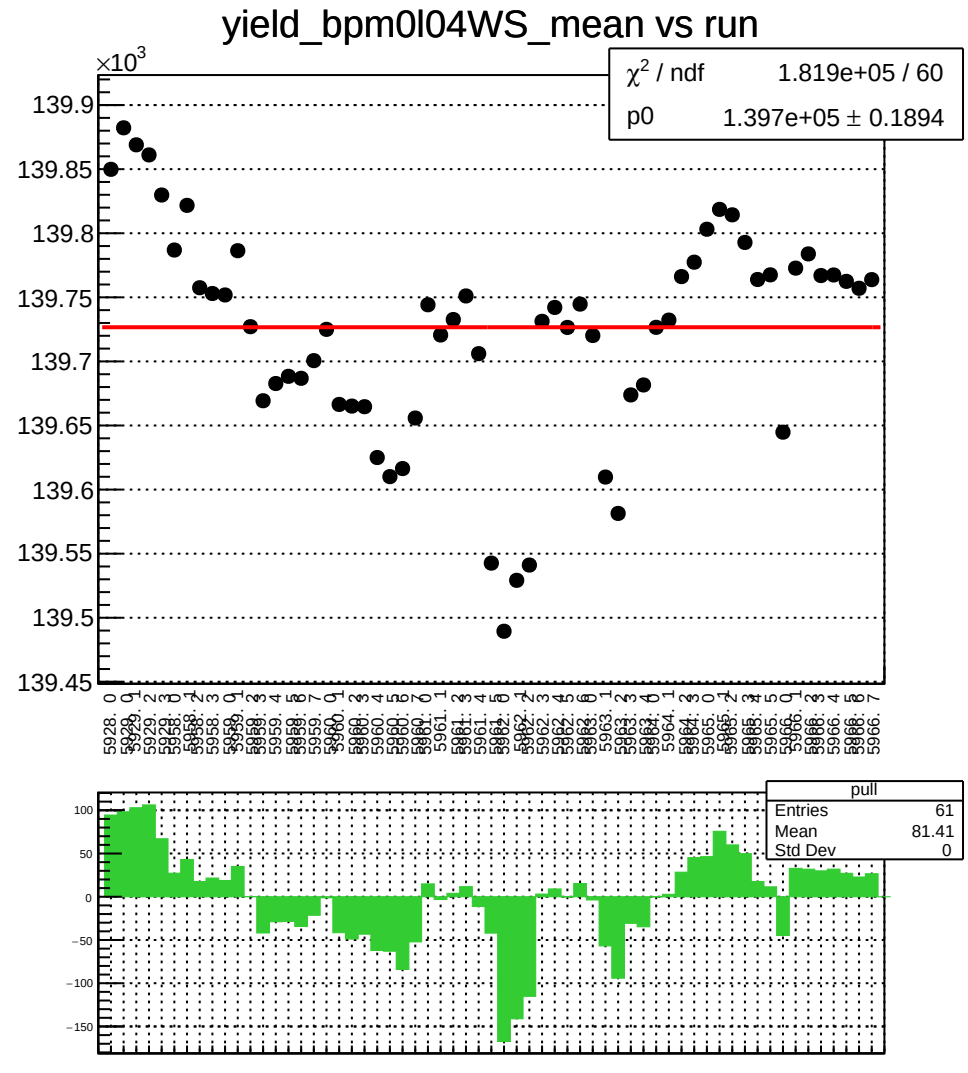

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.164e+06 / 60
p0 1.496e+05 ± 0.3039
150.5
150
149.5
149
148.5
pull
Entries 61
Mean 120
Std Dev 0
400
200
0
−200
−400
−600

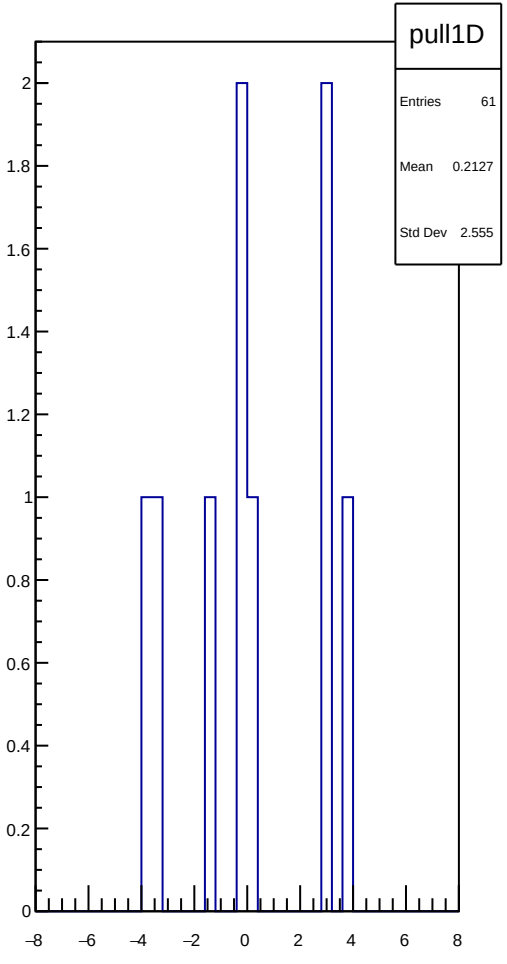

pull1D
Entries 61
Mean −2.835
Std Dev 3.567
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

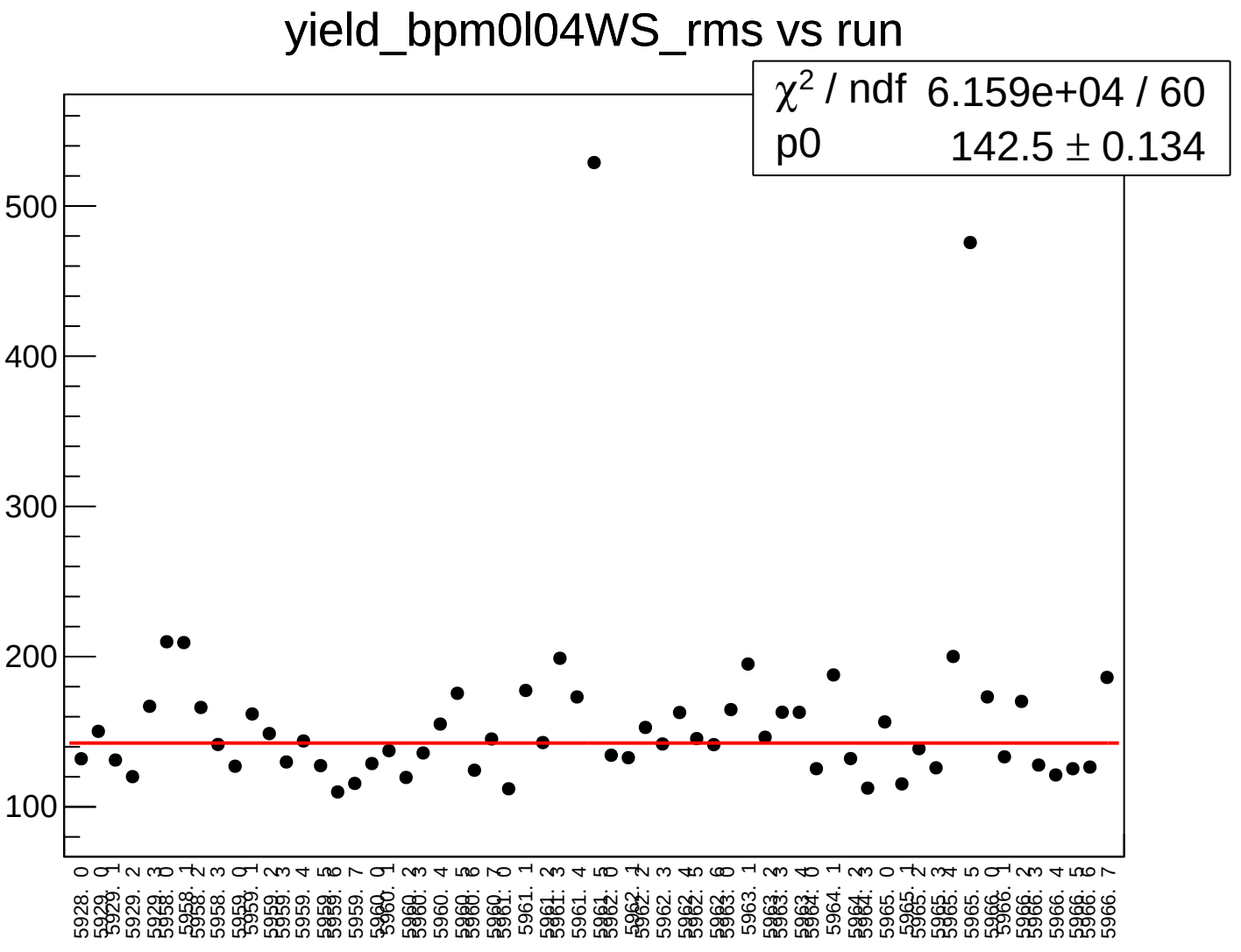

yield_bpm0l02WS_rms vs run
χ² / ndf 6.272e+04 / 60
p0 228.4 ± 0.2149
550
500
450
400
350
300
250
200
150

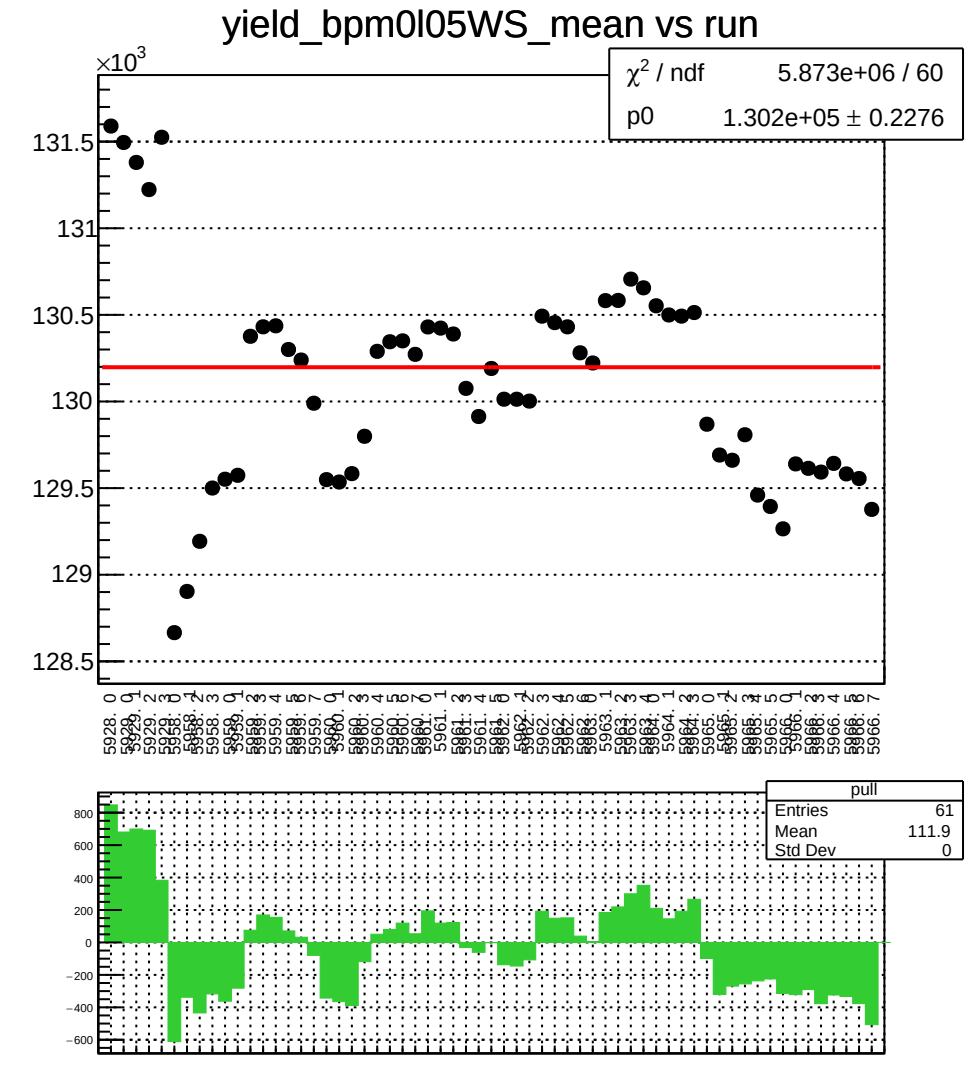

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 5.837e+05 / 60
p0 1.392e+05 ± 0.7439
141.5
141
140.5
140
139.5
139
138.5
pull
Entries 61
Mean −66.74
Std Dev 0
400
300
200
100
0
−100
pull1D
Entries 61
Mean 0.5989
Std Dev 5.222
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

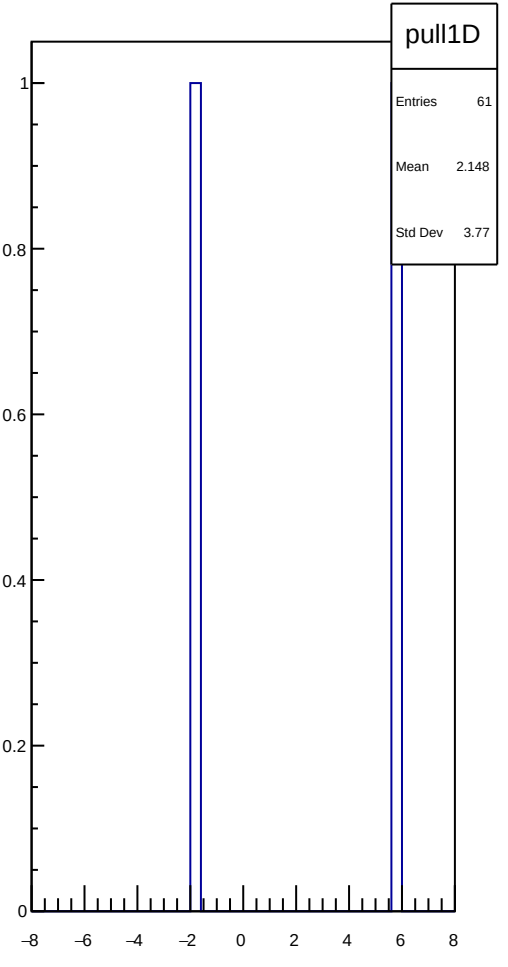

yield_bpm0l03WS_rms vs run
χ² / ndf 6.727e+04 / 60
p0 558.1 ± 0.526
1800
1600
1400
1200
1000
800
600
400
200

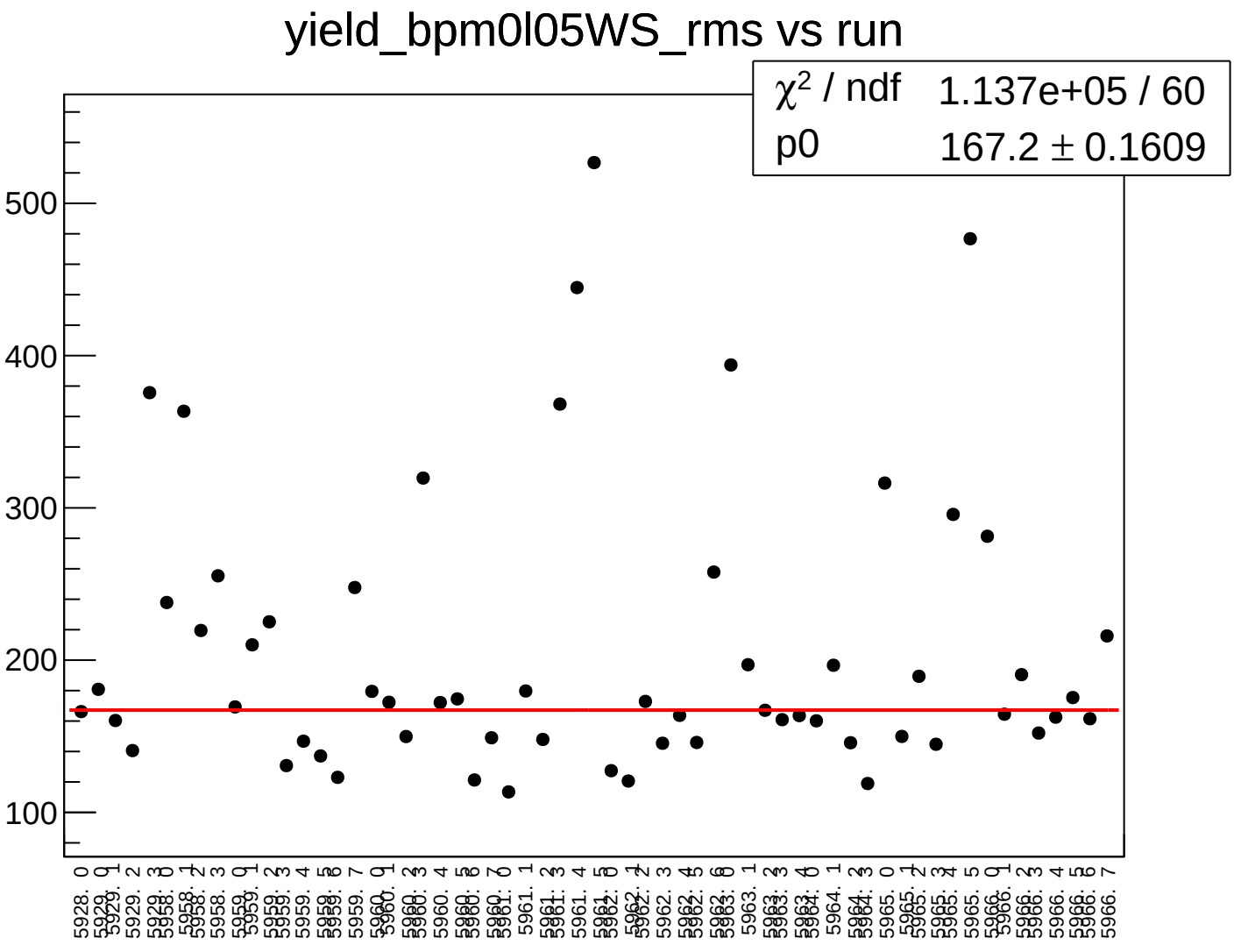

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.819e+05 / 60
p0 1.397e+05 ± 0.1894
139.9
139.85
139.8
139.75
139.7
139.65
139.6
139.55
139.5
139.45
pull
Entries 61
Mean 81.41
Std Dev 0
100
50
0
−50
−100
−150

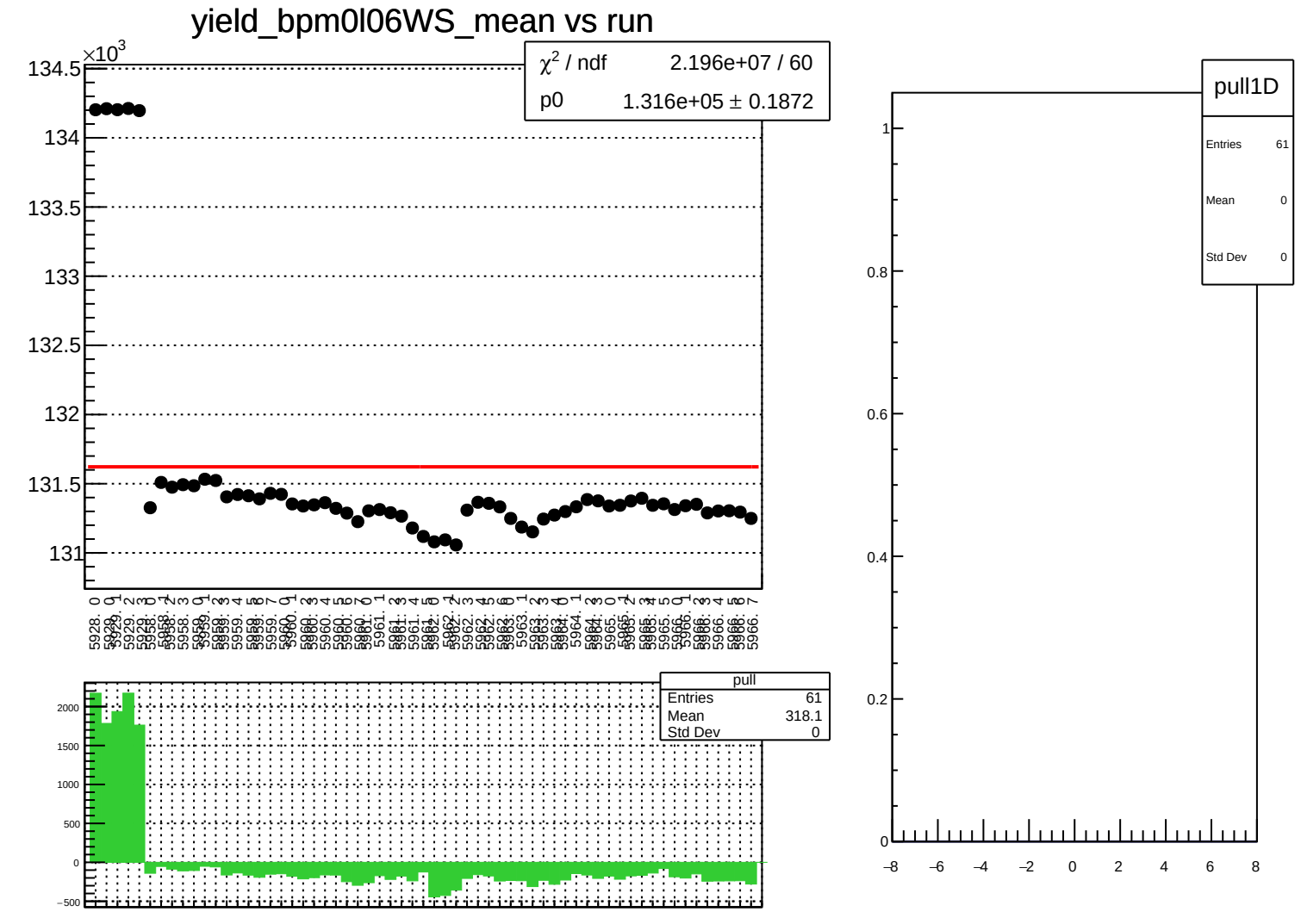

pull1D
Entries 61
Mean 0.2127
Std Dev 2.555
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

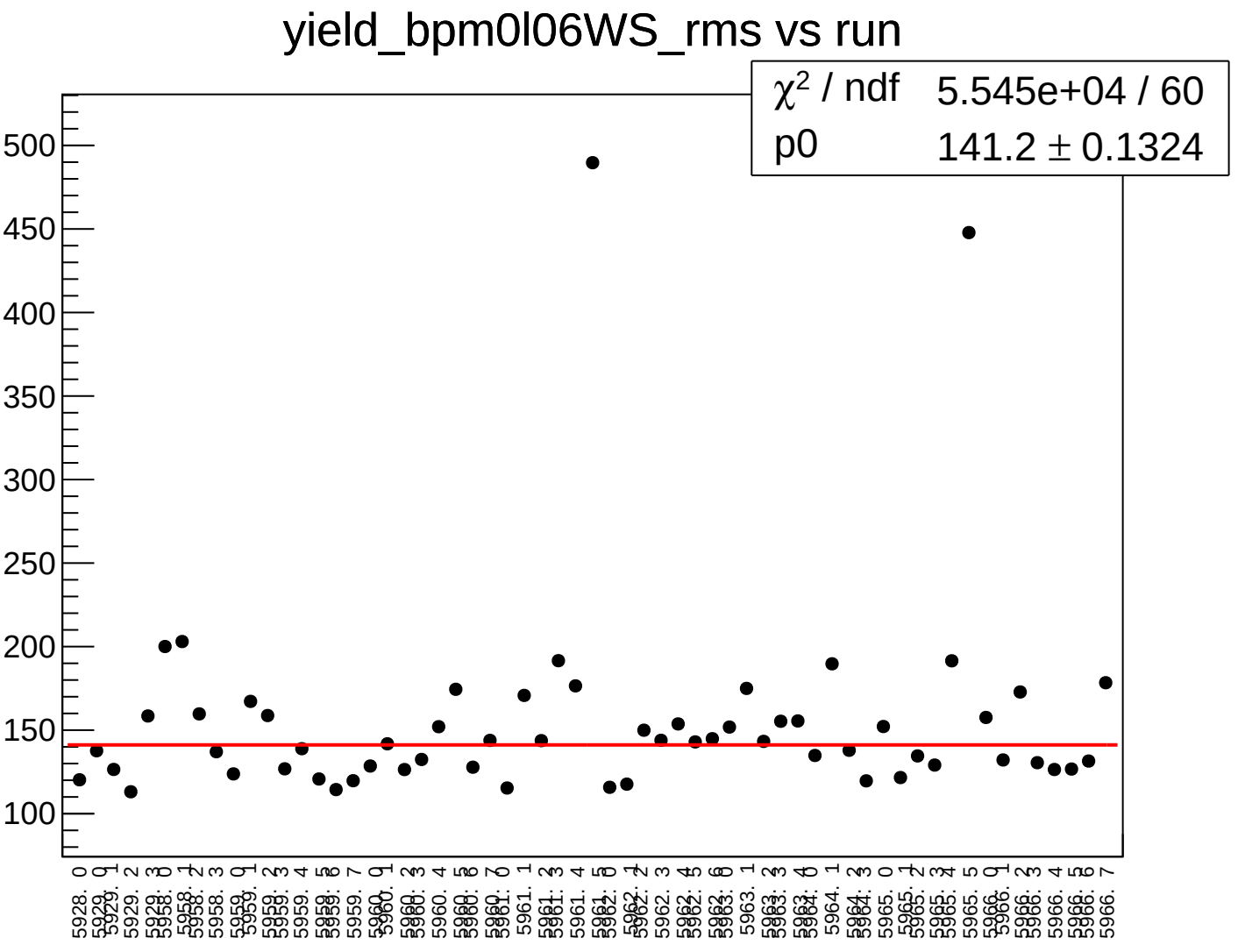

yield_bpm0l04WS_rms vs run
χ² / ndf 6.159e+04 / 60
p0 142.5 ± 0.134
500
400
300
200
100

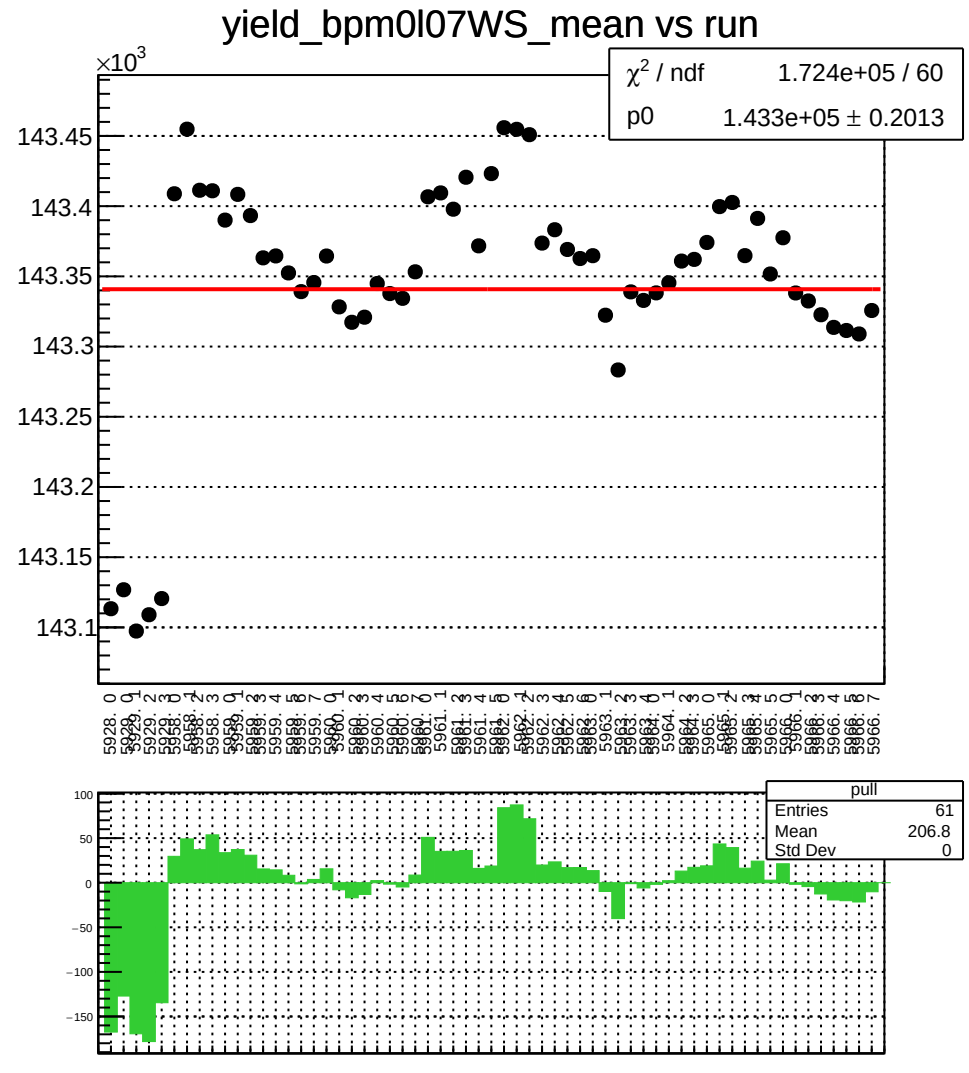

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 5.873e+06 / 60
p0 1.302e+05 ± 0.2276
131.5
131
130.5
130
129.5
129
128.5
pull
Entries 61
Mean 111.9
Std Dev 0
800
600
400
200
0
−200
−400
−600

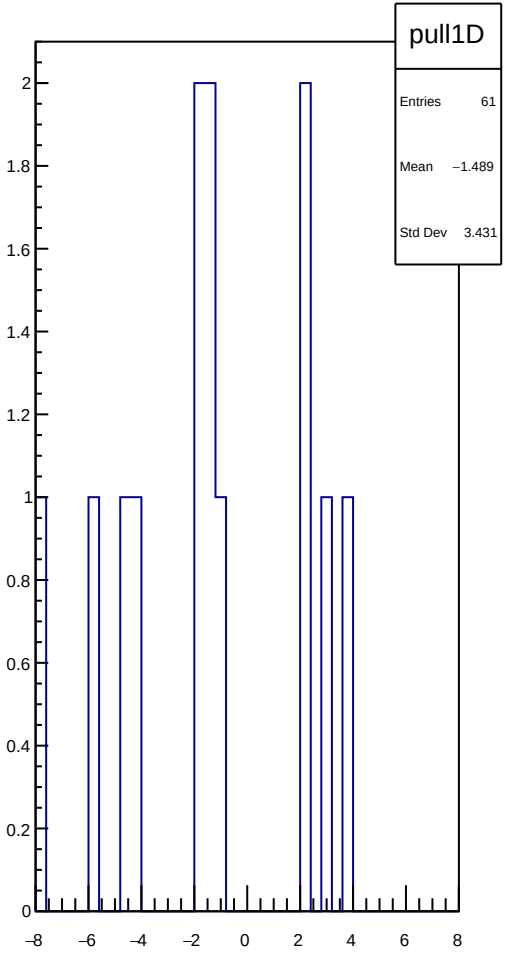

pull1D
Entries 61
Mean 2.148
Std Dev 3.77
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

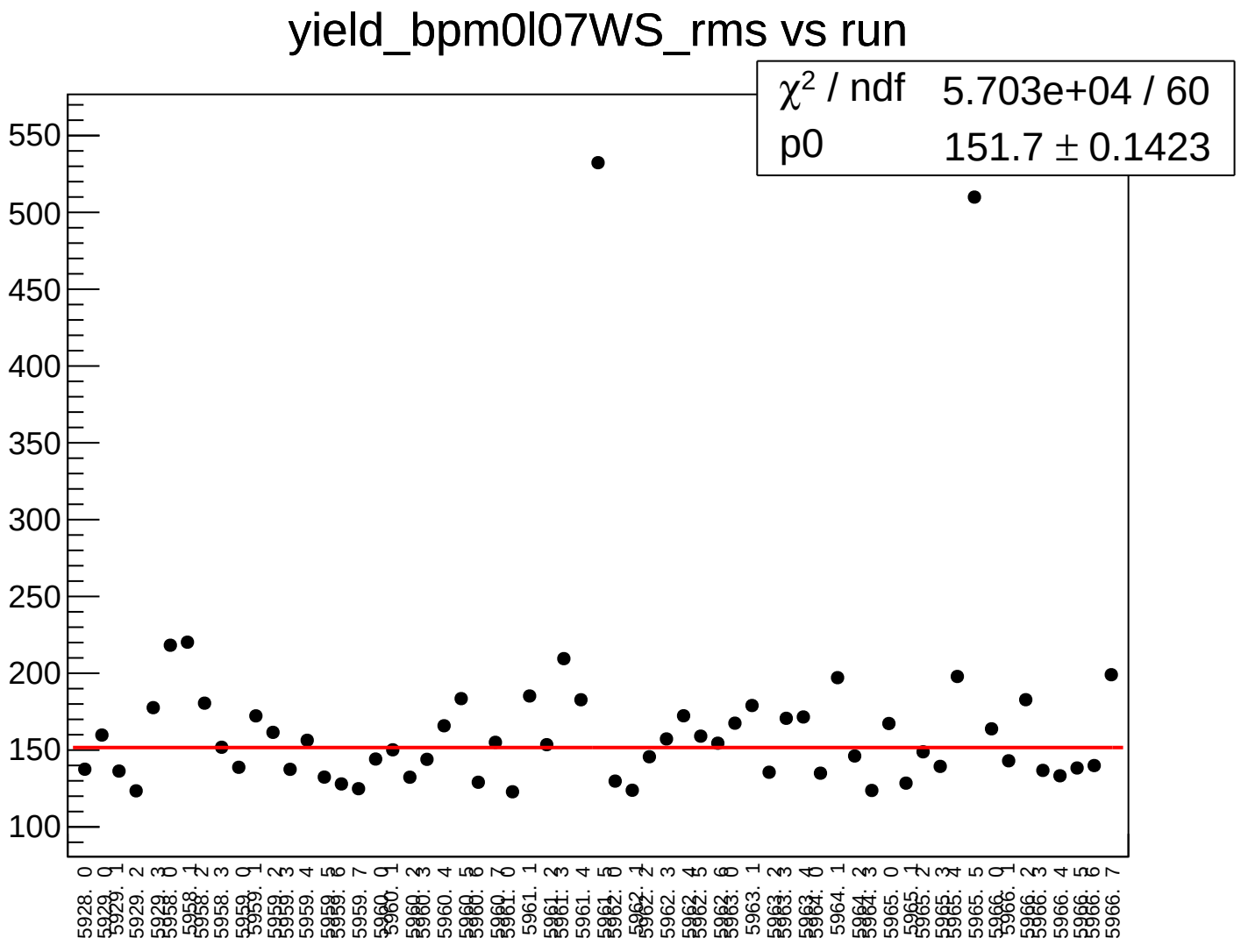

yield_bpm0l05WS_rms vs run
χ² / ndf 1.137e+05 / 60
p0 167.2 ± 0.1609
500
400
300
200
100

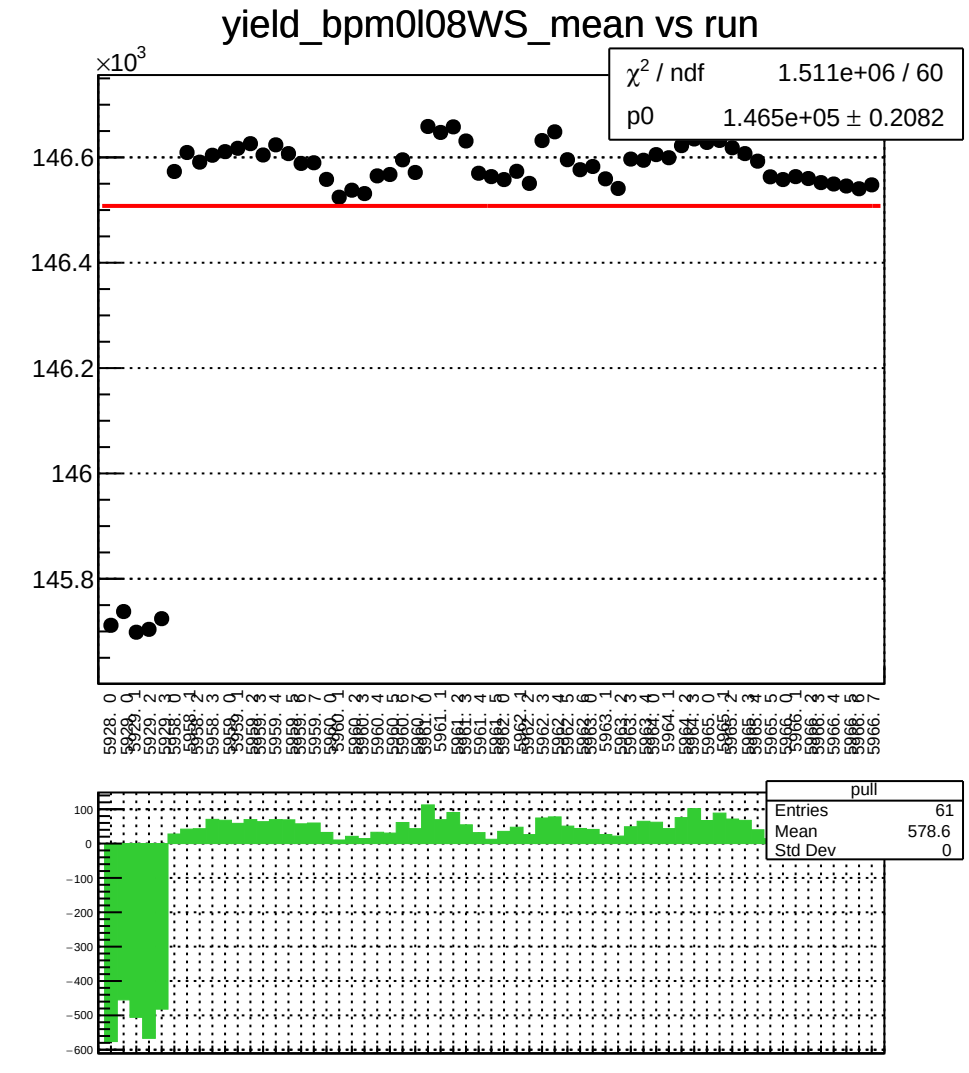

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 2.196e+07 / 60
p0 1.316e+05 ± 0.1872
134.5
134
133.5
133
132.5
132
131.5
131
pull
Entries 61
Mean 318.1
Std Dev 0
2000
1500
1000
500
0
−500
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

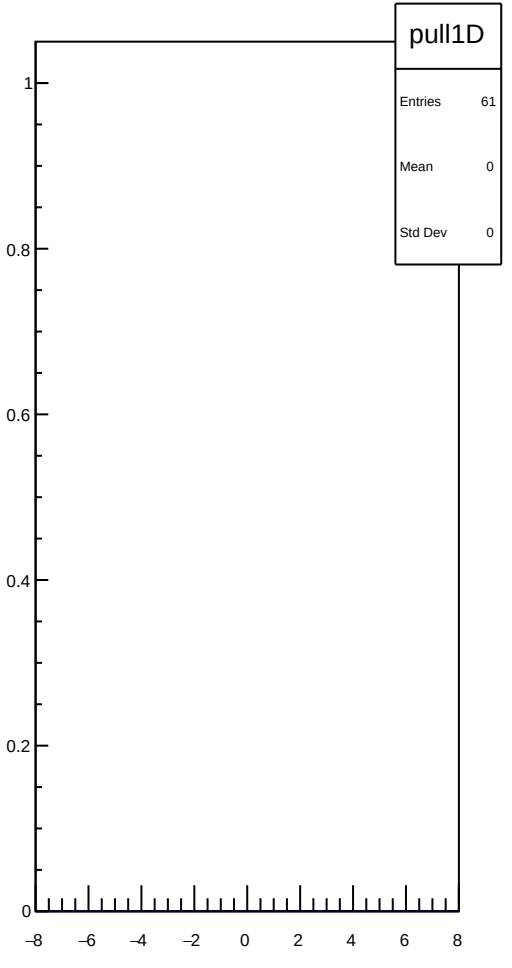

yield_bpm0l06WS_rms vs run
χ² / ndf 5.545e+04 / 60
p0 141.2 ± 0.1324
500
450
400
350
300
250
200
150
100

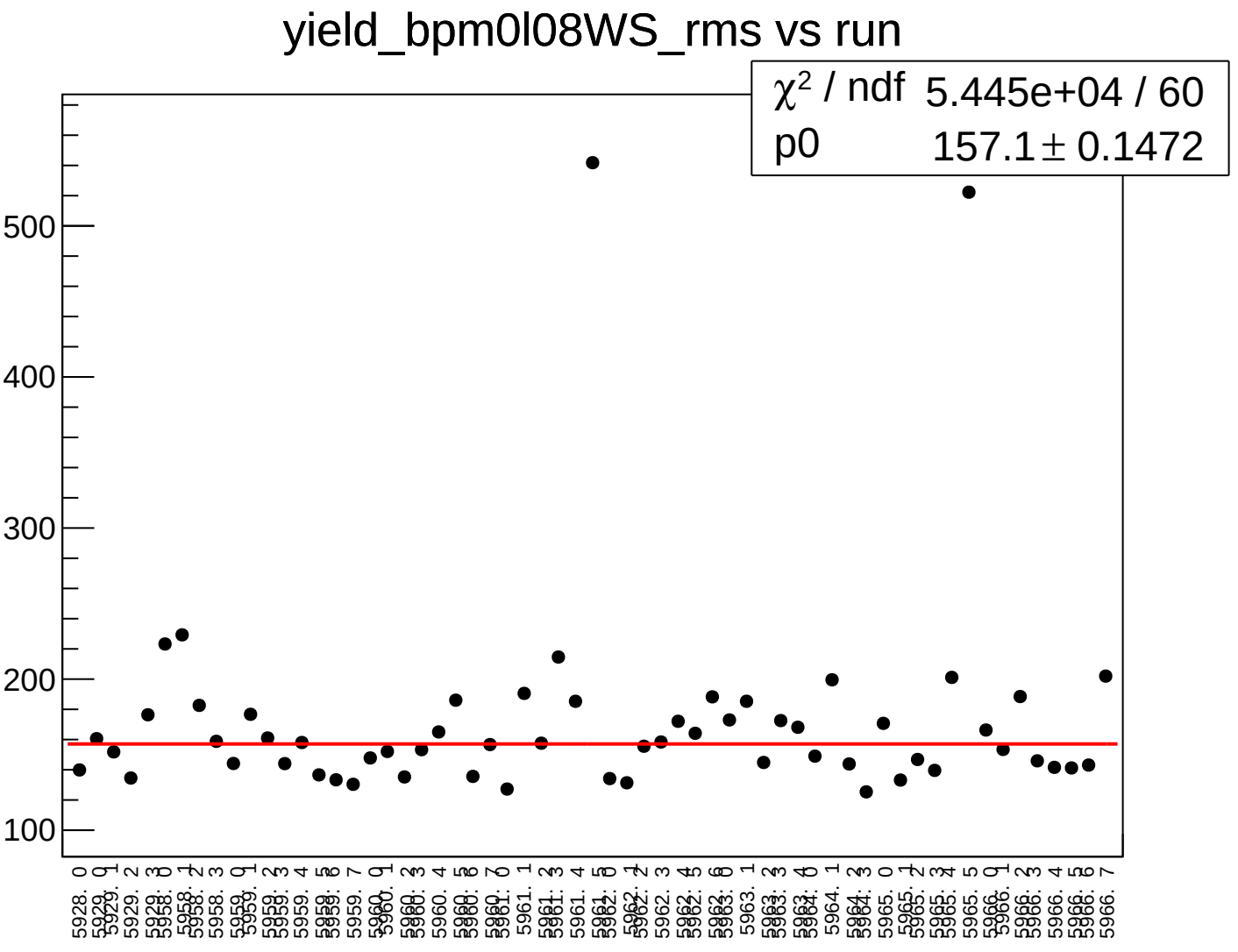

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.724e+05 / 60
p0 1.433e+05 ± 0.2013
143.45
143.4
143.35
143.3
143.25
143.2
143.15
143.1
pull
Entries 61
Mean 206.8
Std Dev 0
100
50
0
−50
−100
−150

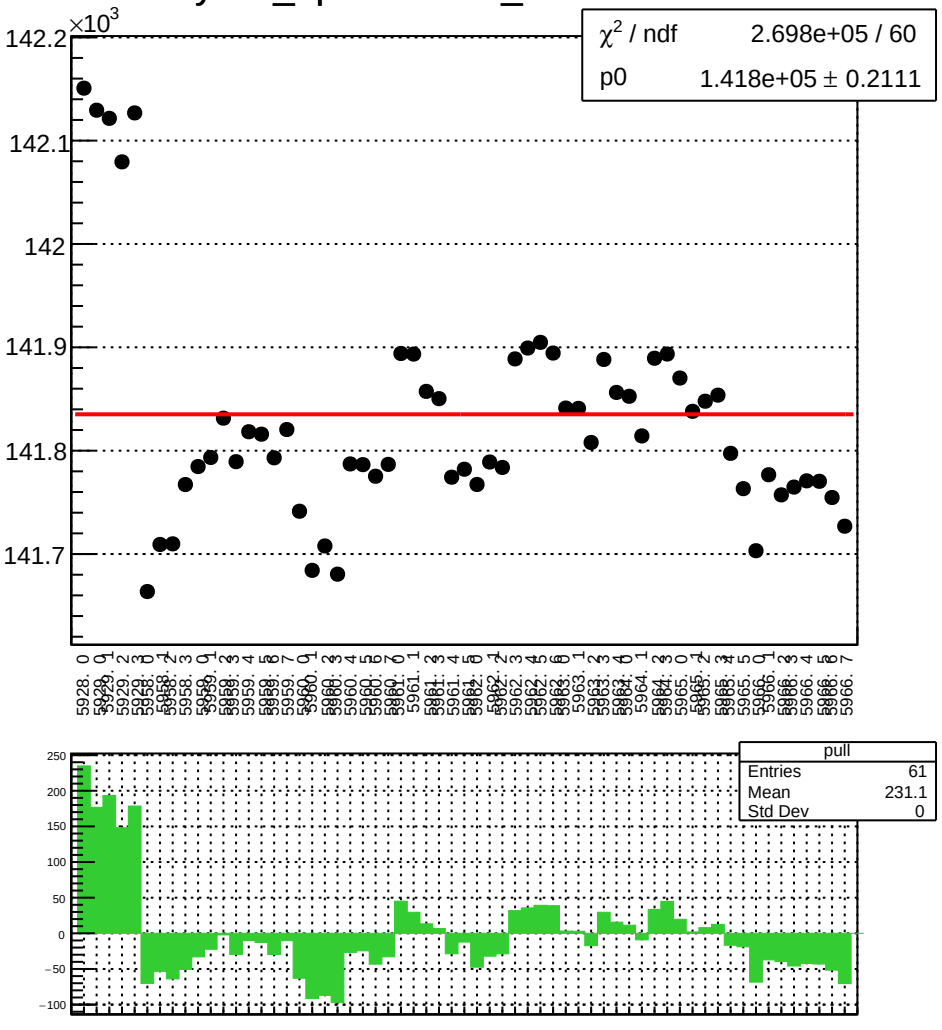

pull1D
Entries 61
Mean −1.489
Std Dev 3.431
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

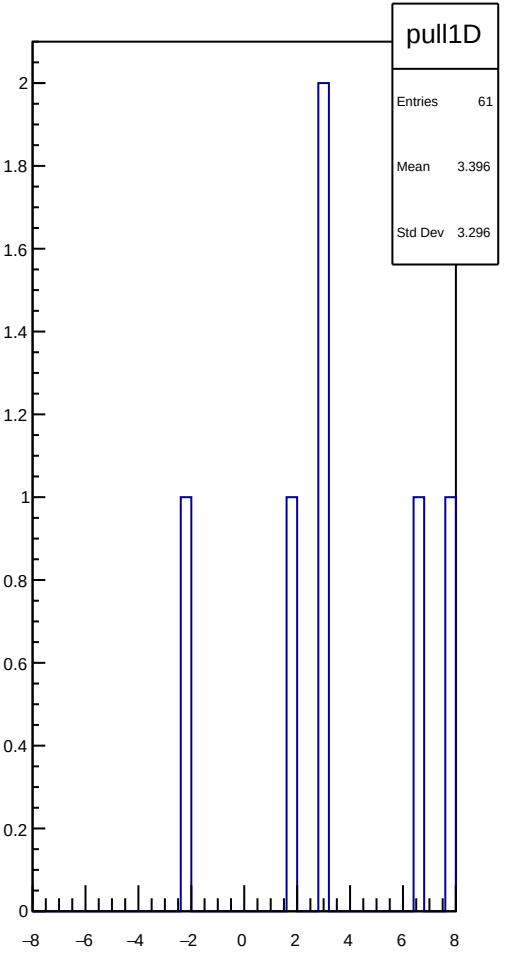

yield_bpm0l07WS_rms vs run
χ² / ndf 5.703e+04 / 60
p0 151.7 ± 0.1423
550
500
450
400
350
300
250
200
150
100

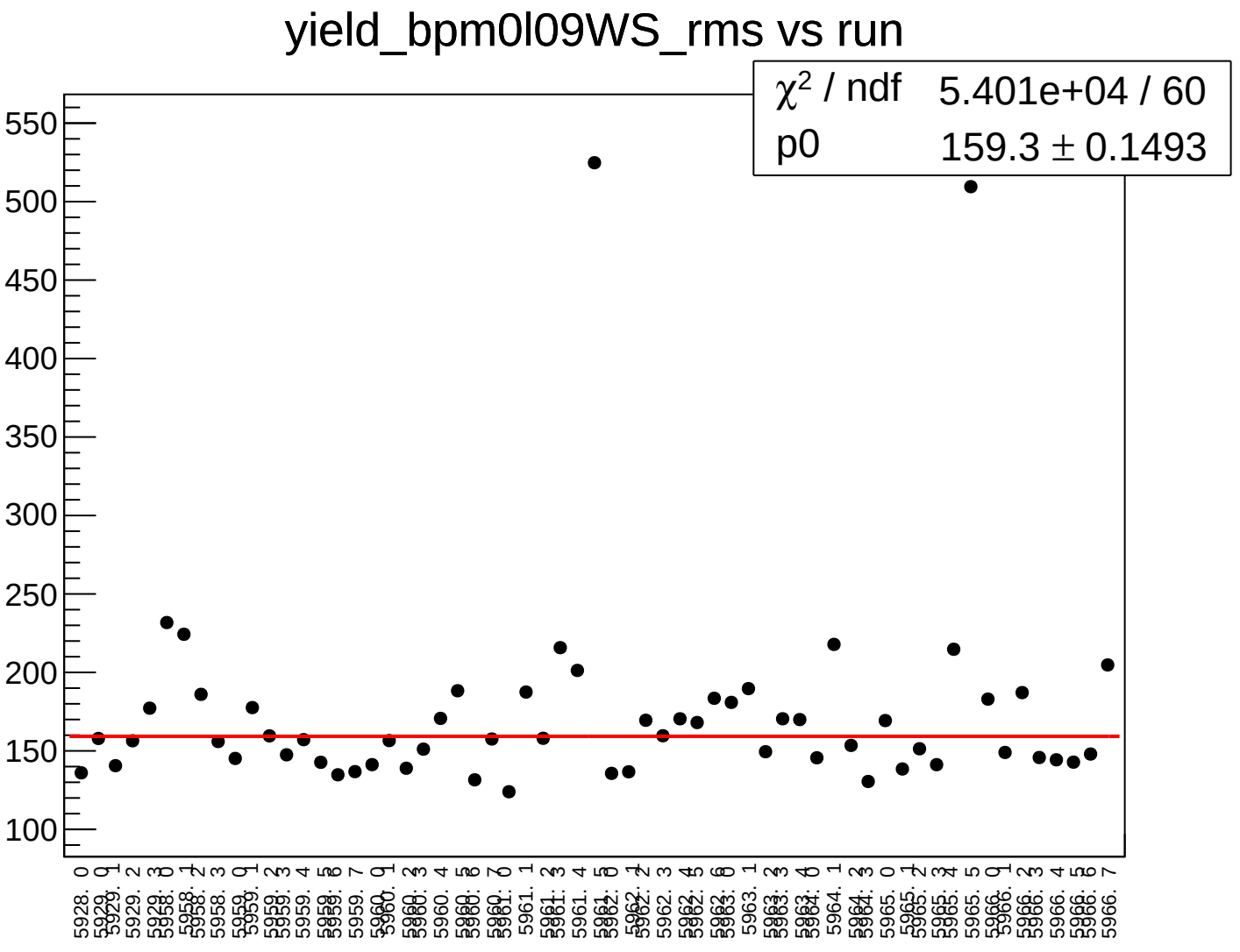

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.511e+06 / 60
p0 1.465e+05 ± 0.2082
146.6
146.4
146.2
146
145.8
pull
Entries 61
Mean 578.6
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600

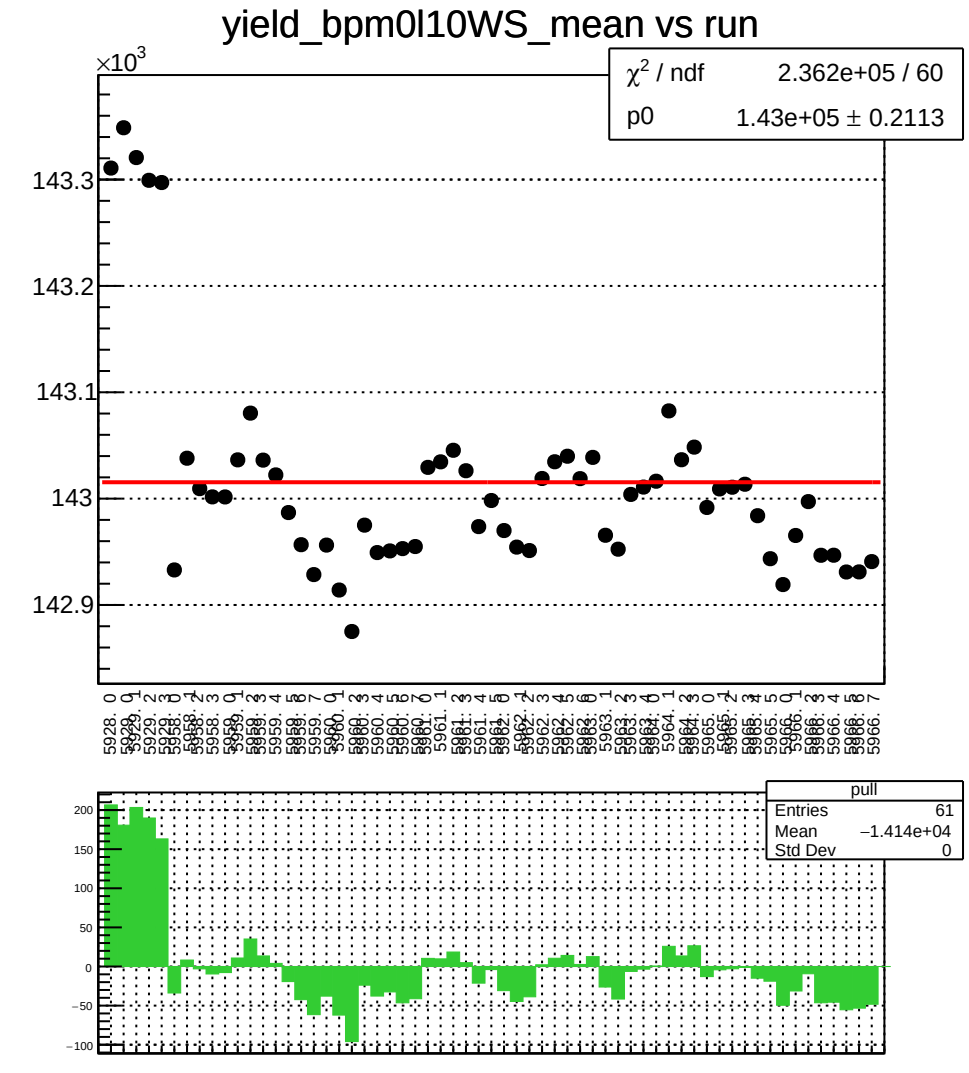

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

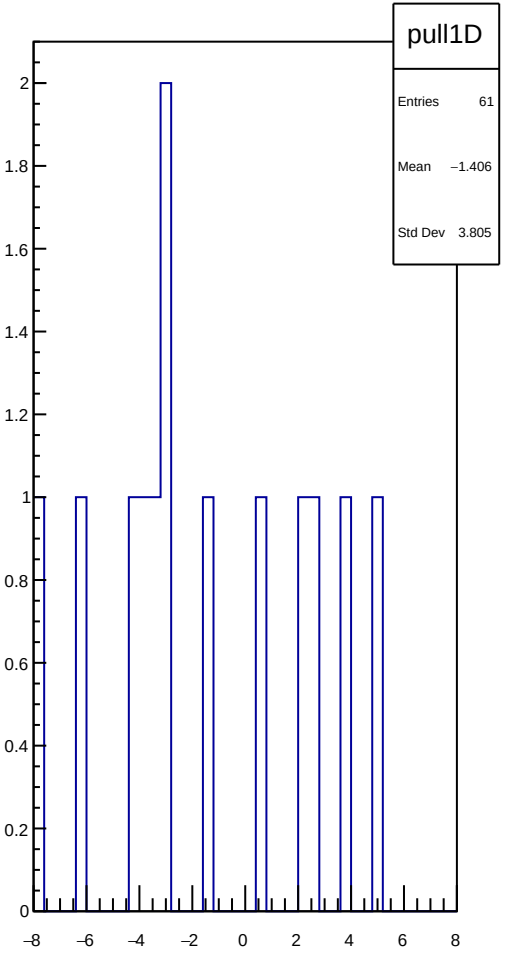

yield_bpm0l08WS_rms vs run
χ² / ndf 5.445e+04 / 60
p0 157.1 ± 0.1472
500
400
300
200
100

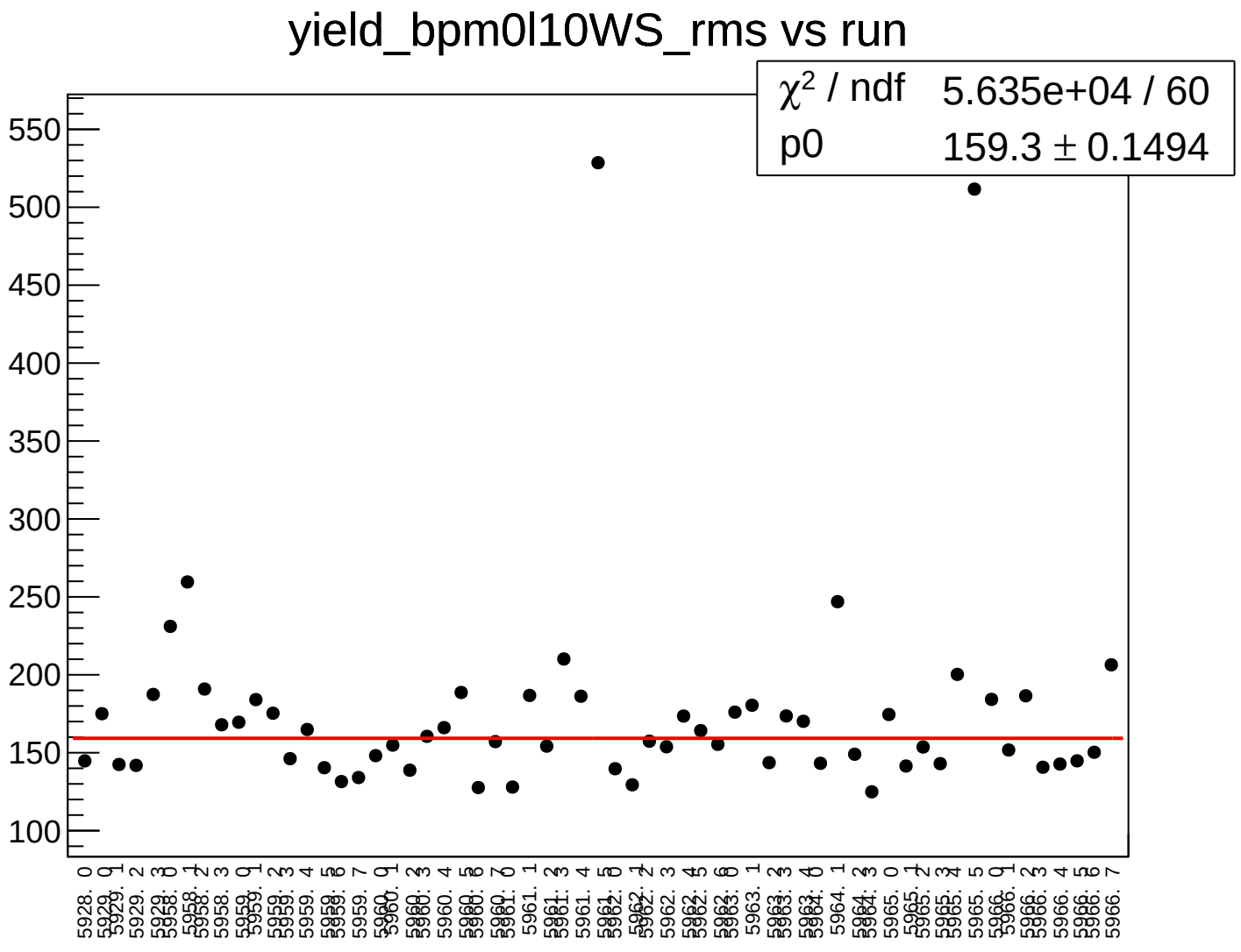

yield_bpm0l09WS_mean vs run
×10^3
142.2
142.1
142
141.9
141.8
141.7
χ² / ndf 2.698e+05 / 60
p0 1.418e+05 ± 0.2111
pull
Entries 61
Mean 231.1
Std Dev 0
250
200
150
100
50
0
−50
−100

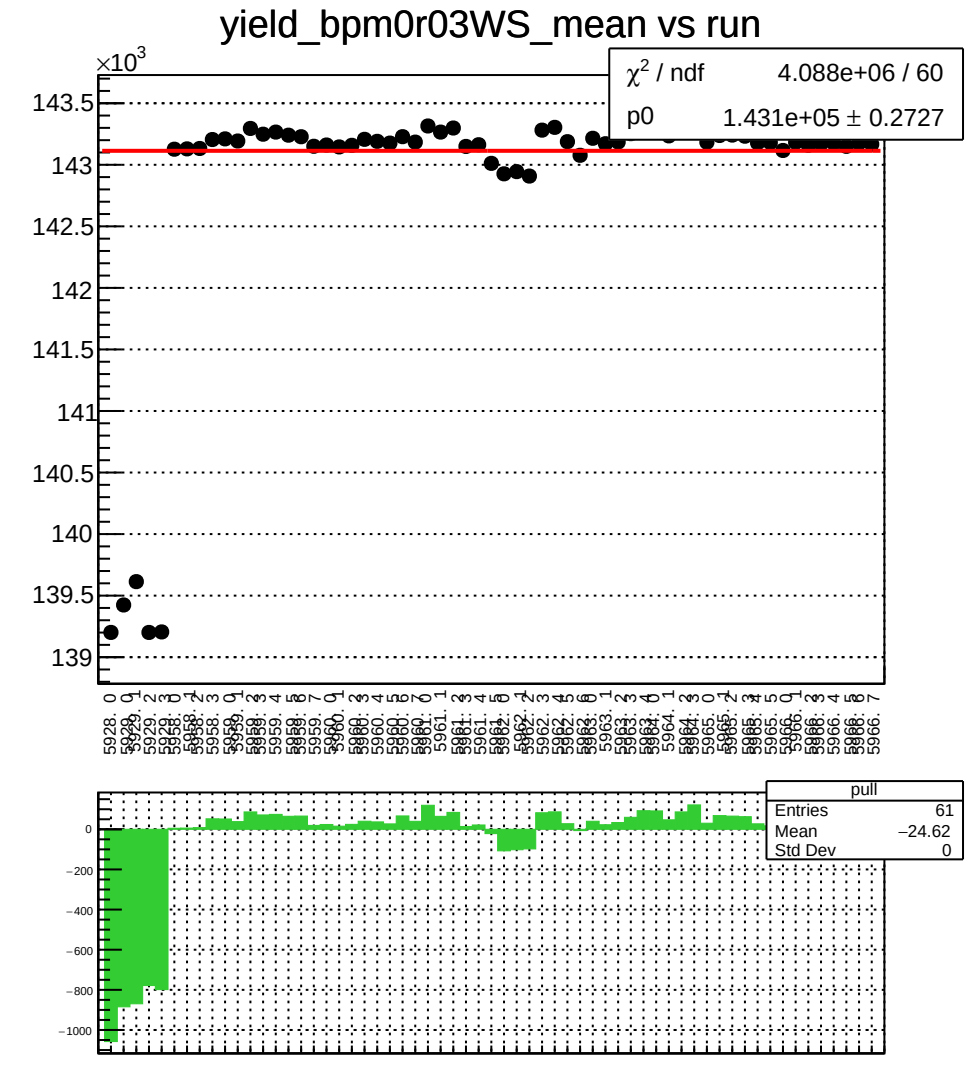

pull1D
Entries 61
Mean 3.396
Std Dev 3.296
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

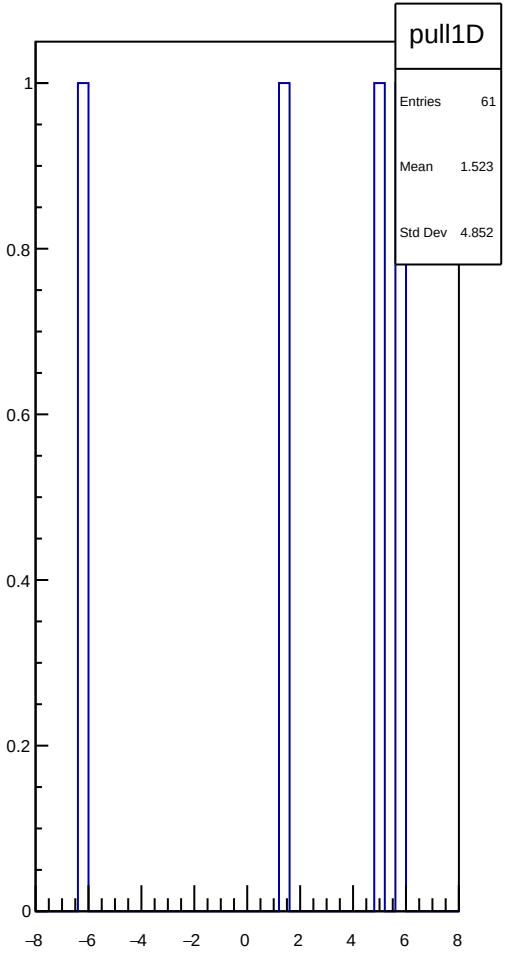

yield_bpm0l09WS_rms vs run
χ² / ndf 5.401e+04 / 60
p0 159.3 ± 0.1493
550
500
450
400
350
300
250
200
150
100

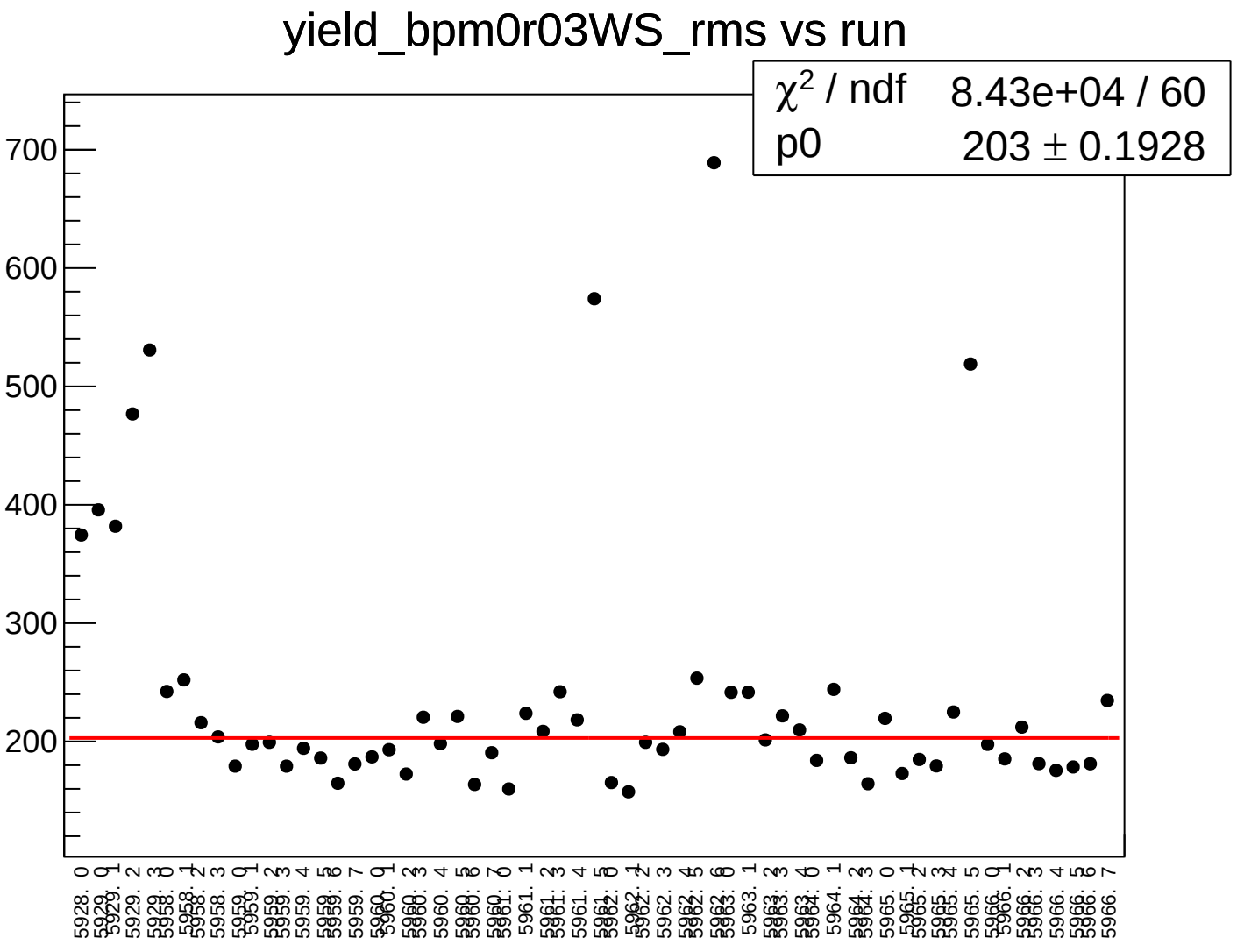

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.362e+05 / 60
p0 1.43e+05 ± 0.2113
143.3
143.2
143.1
143
142.9
pull
Entries 61
Mean −1.414e+04
Std Dev 0
200
150
100
50
0
−50
−100

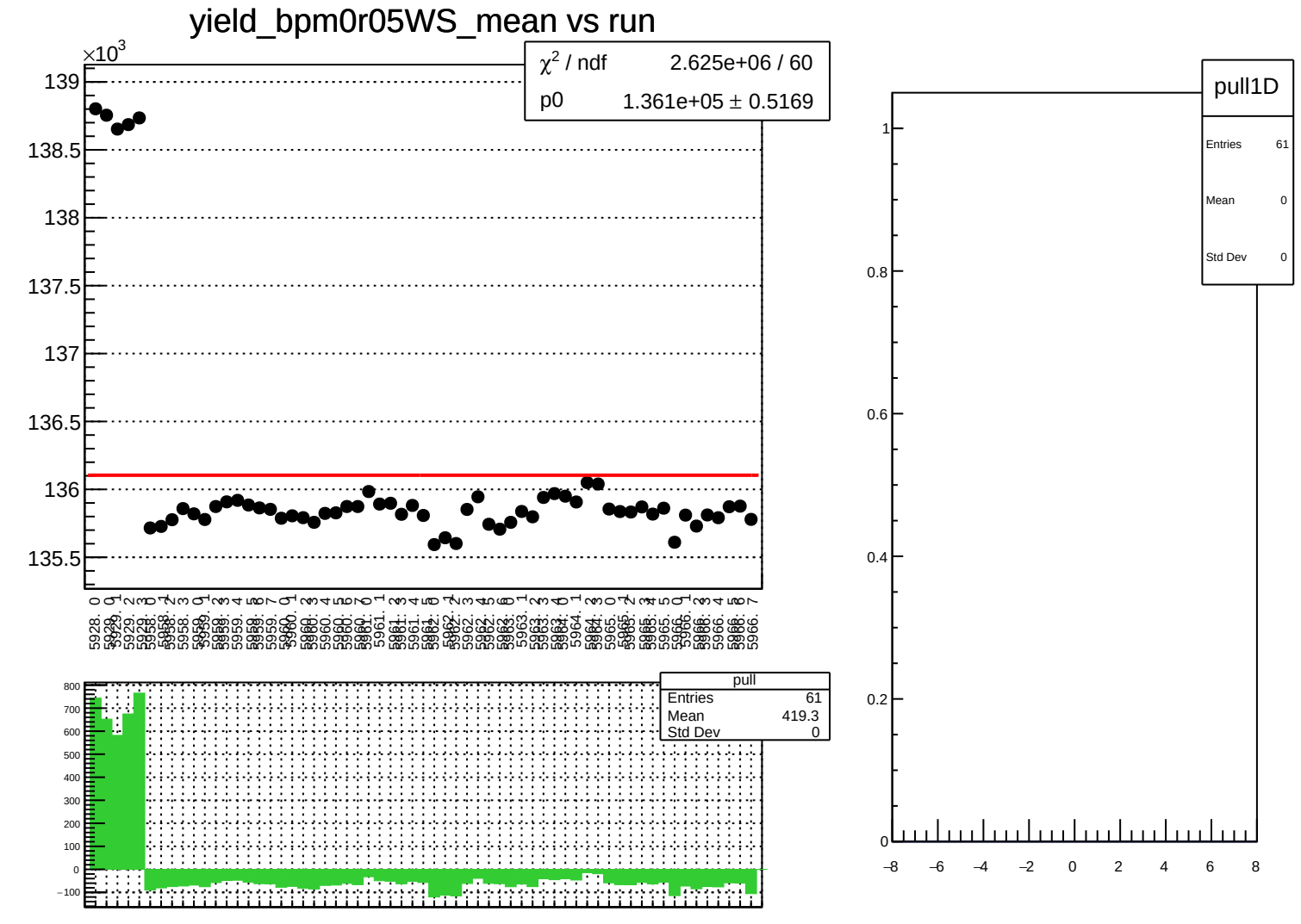

pull1D
Entries 61
Mean −1.406
Std Dev 3.805
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

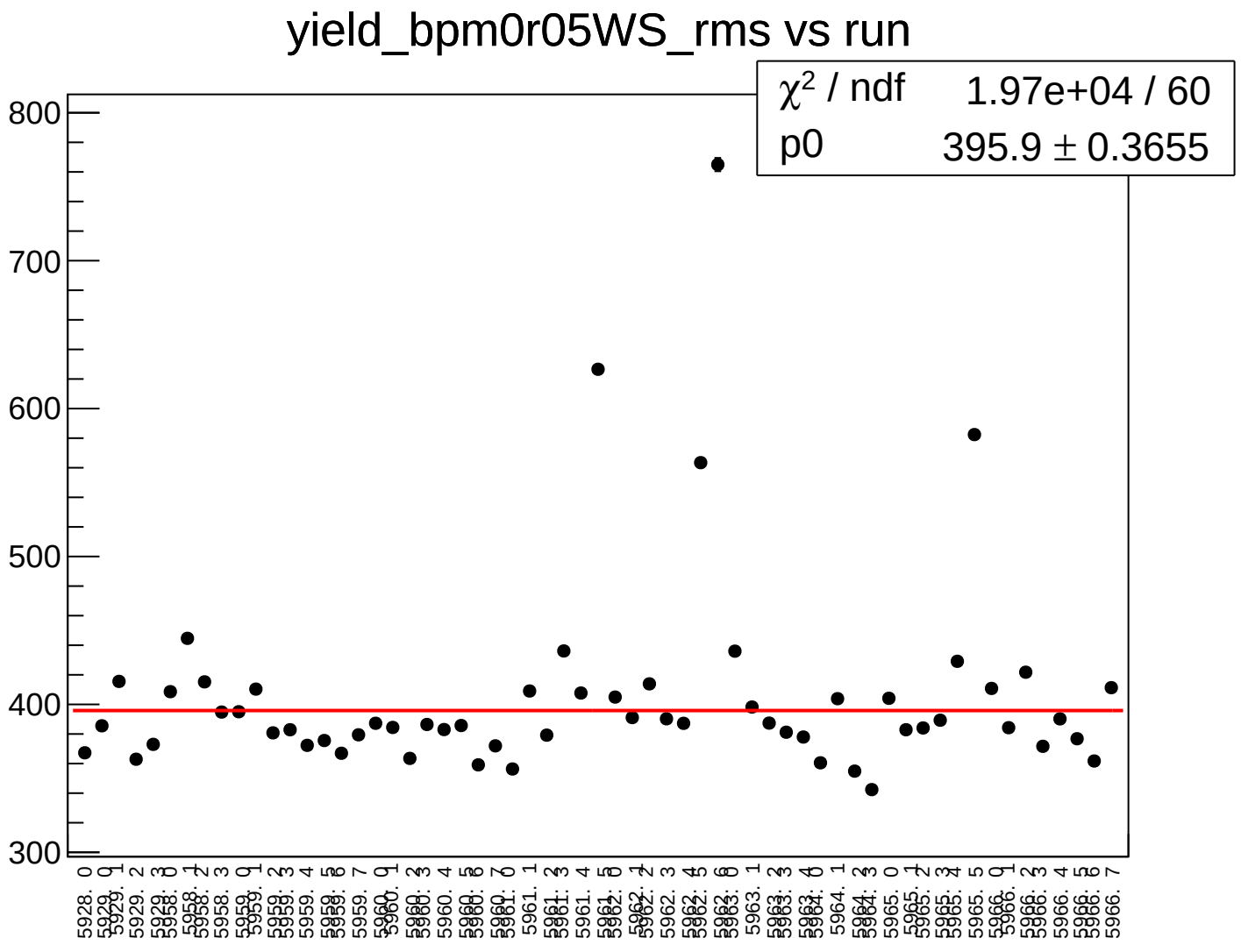

yield_bpm0l10WS_rms vs run
χ² / ndf 5.635e+04 / 60
p0 159.3 ± 0.1494
550
500
450
400
350
300
250
200
150
100

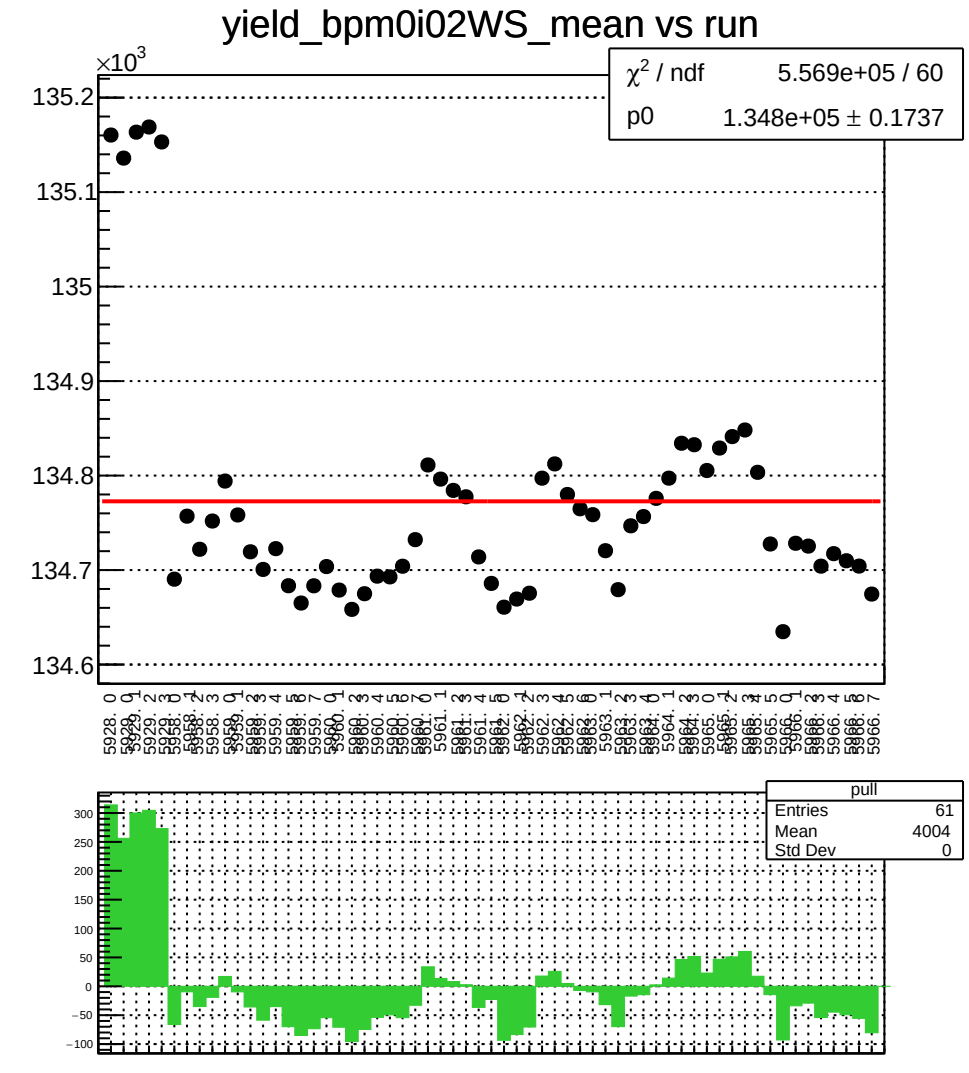

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 4.088e+06 / 60
p0 1.431e+05 ± 0.2727
143.5
143
142.5
142
141.5
141
140.5
140
139.5
139
pull
Entries 61
Mean −24.62
Std Dev 0
0
−200
−400
−600
−800
−1000

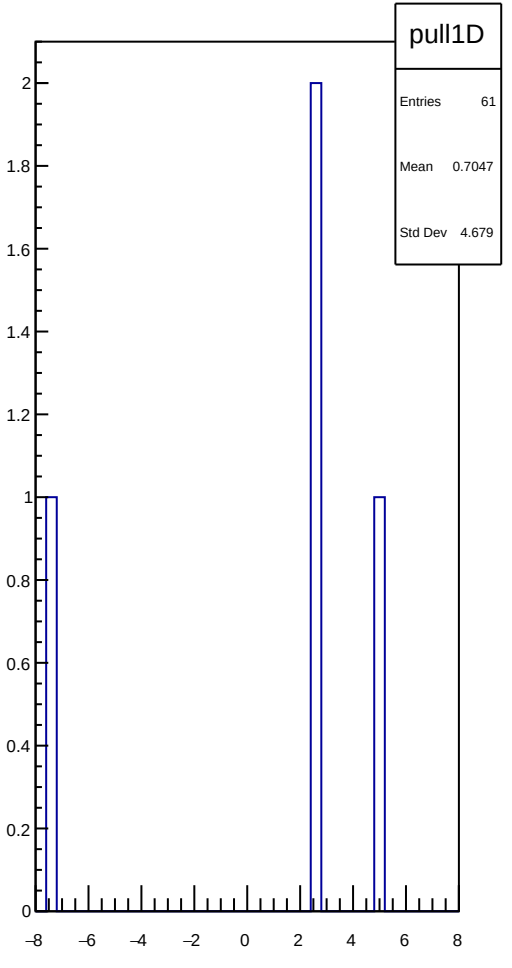

pull1D
Entries 61
Mean 1.523
Std Dev 4.852
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

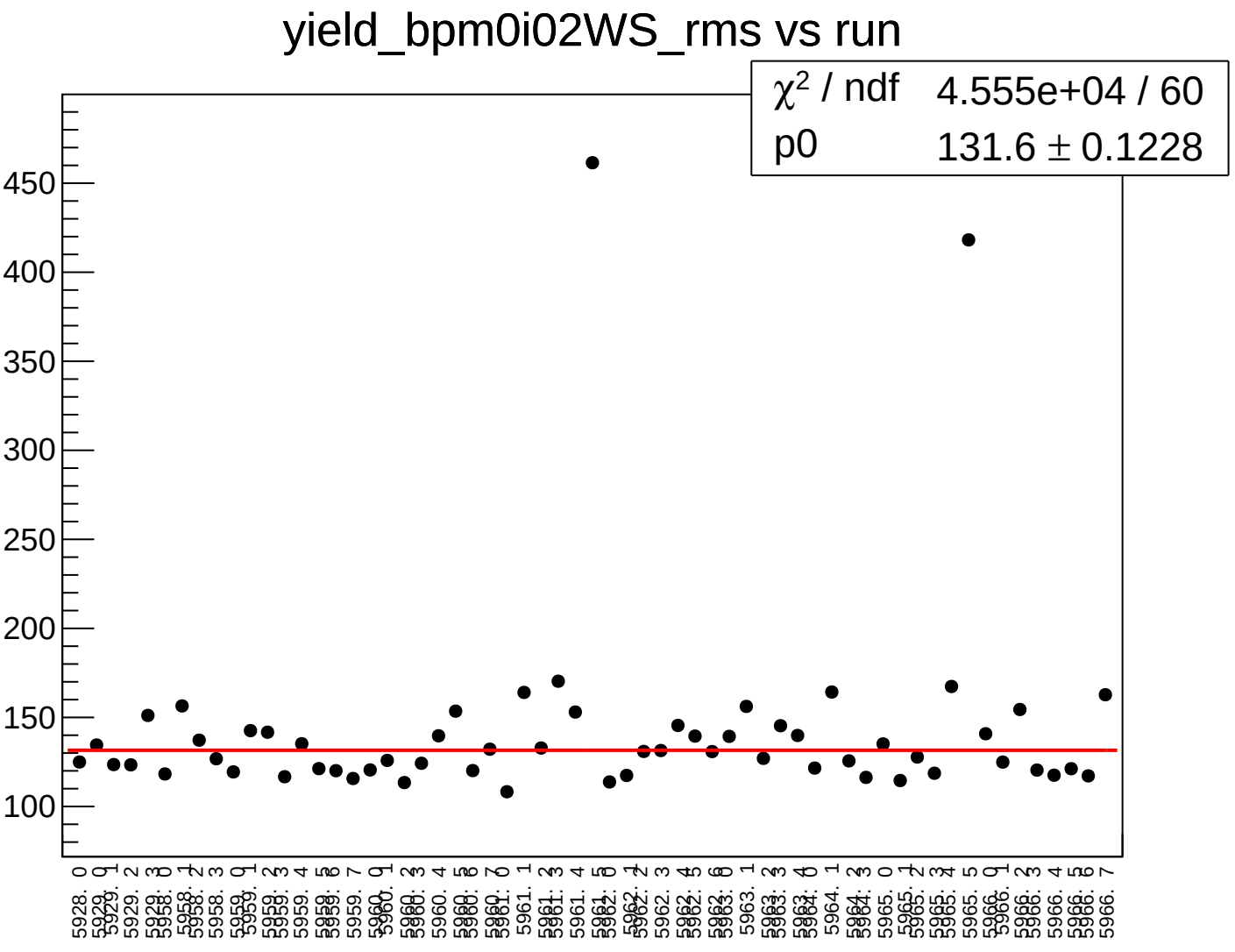

yield_bpm0r03WS_rms vs run
χ² / ndf 8.43e+04 / 60
p0 203 ± 0.1928
700
600
500
400
300
200

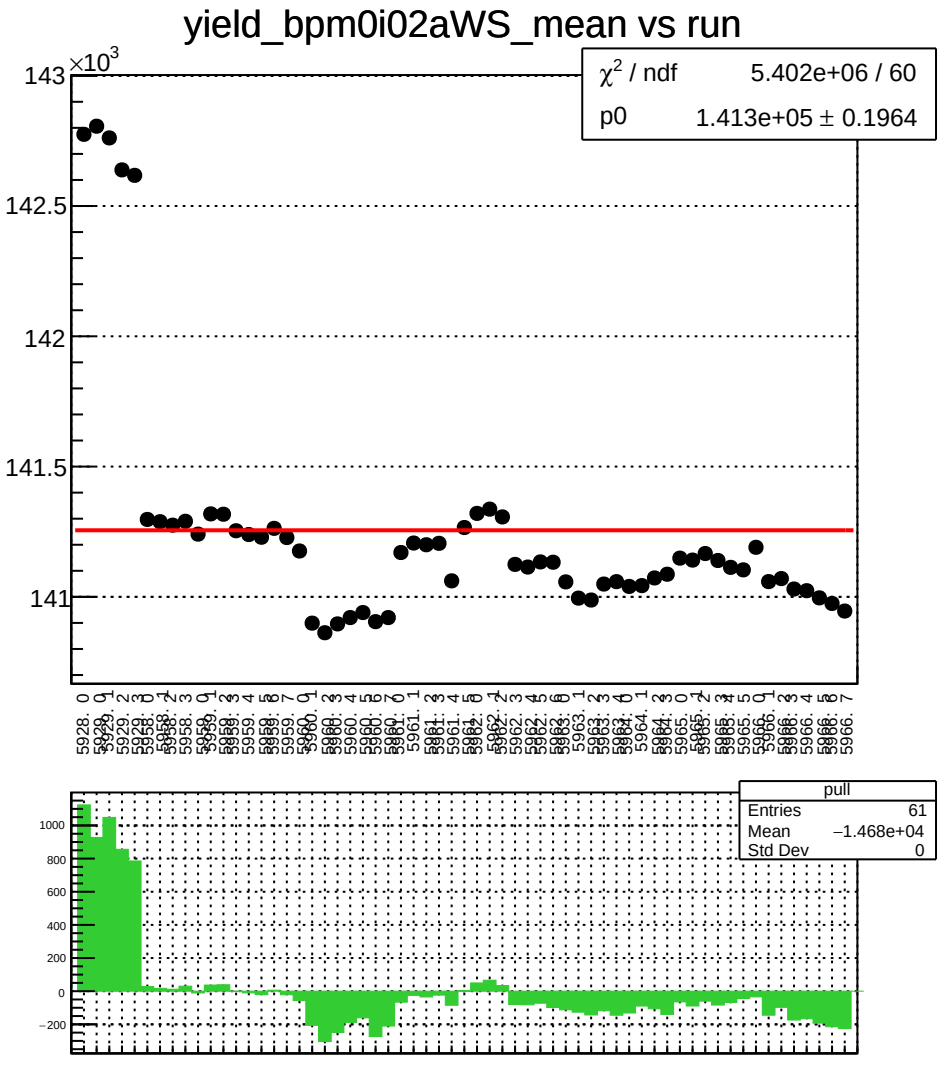

yield_bpm0r05WS_mean vs run
×10^3
χ^2 / ndf 2.625e+06 / 60
p0 1.361e+05 ± 0.5169
pull
Entries 61
Mean 419.3
Std Dev 0
pull1D
Entries 61
Mean 0
Std Dev 0

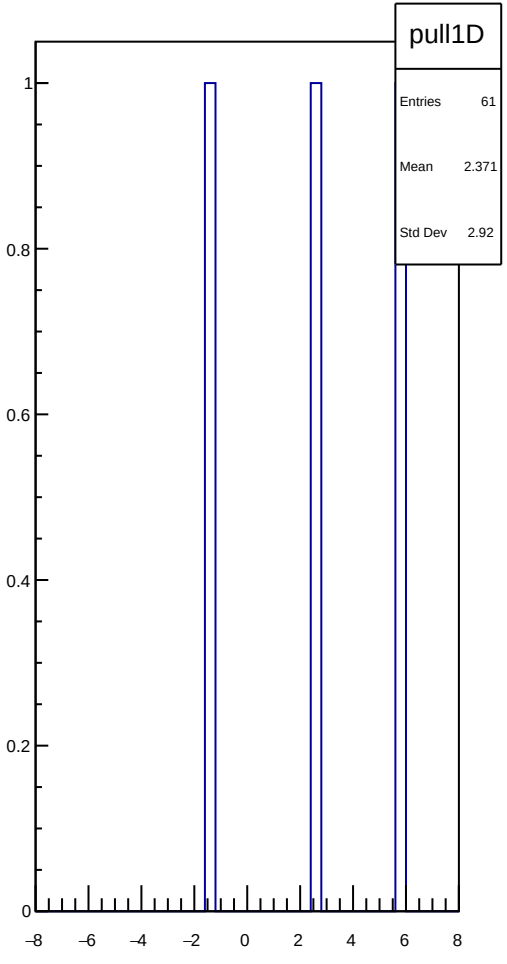

yield_bpm0r05WS_rms vs run
χ² / ndf 1.97e+04 / 60
p0 395.9 ± 0.3655
800
700
600
500
400
300

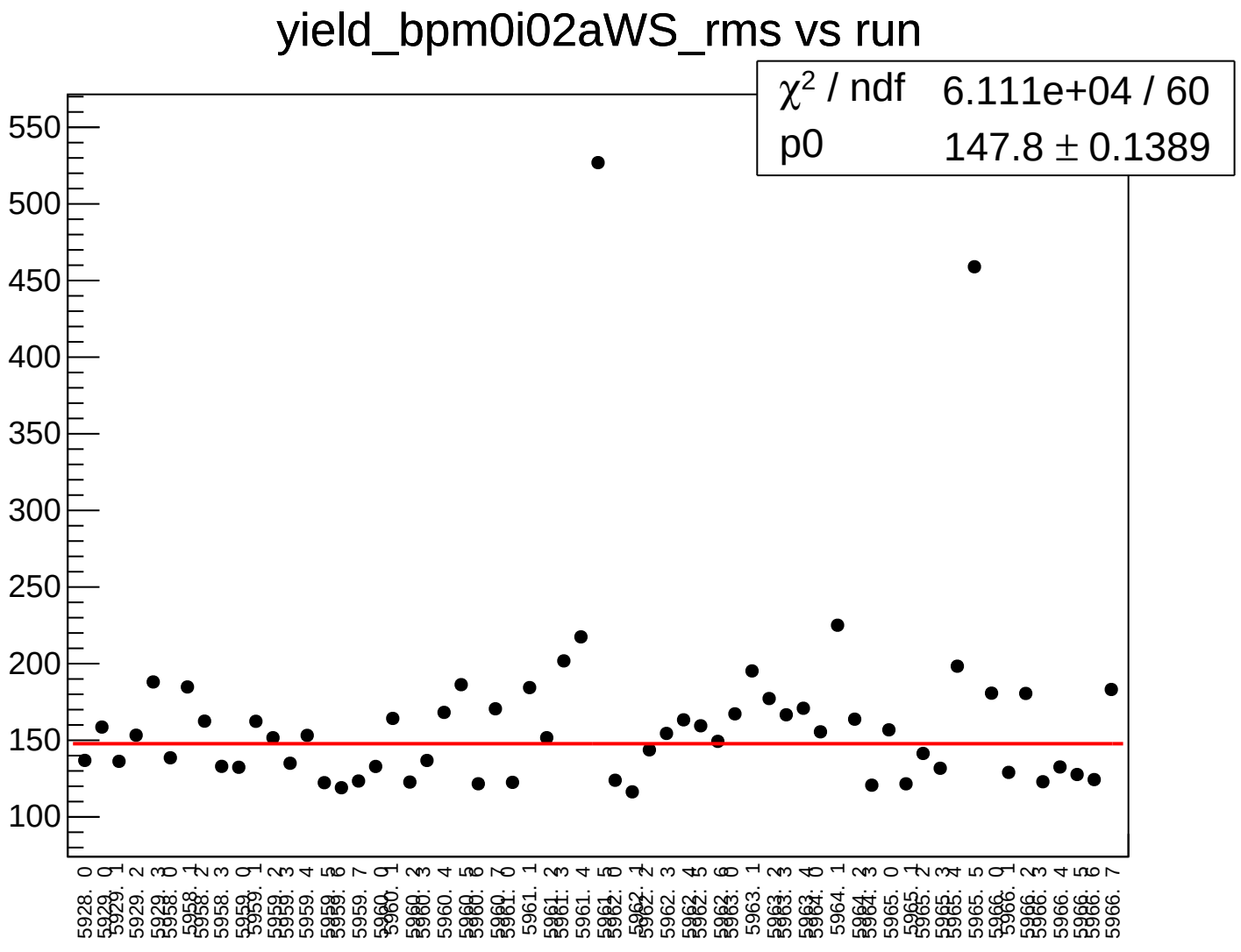

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 5.569e+05 / 60
p0 1.348e+05 ± 0.1737
135.2
135.1
135
134.9
134.8
134.7
134.6
pull
Entries 61
Mean 4004
Std Dev 0
300
250
200
150
100
50
0
−50
−100

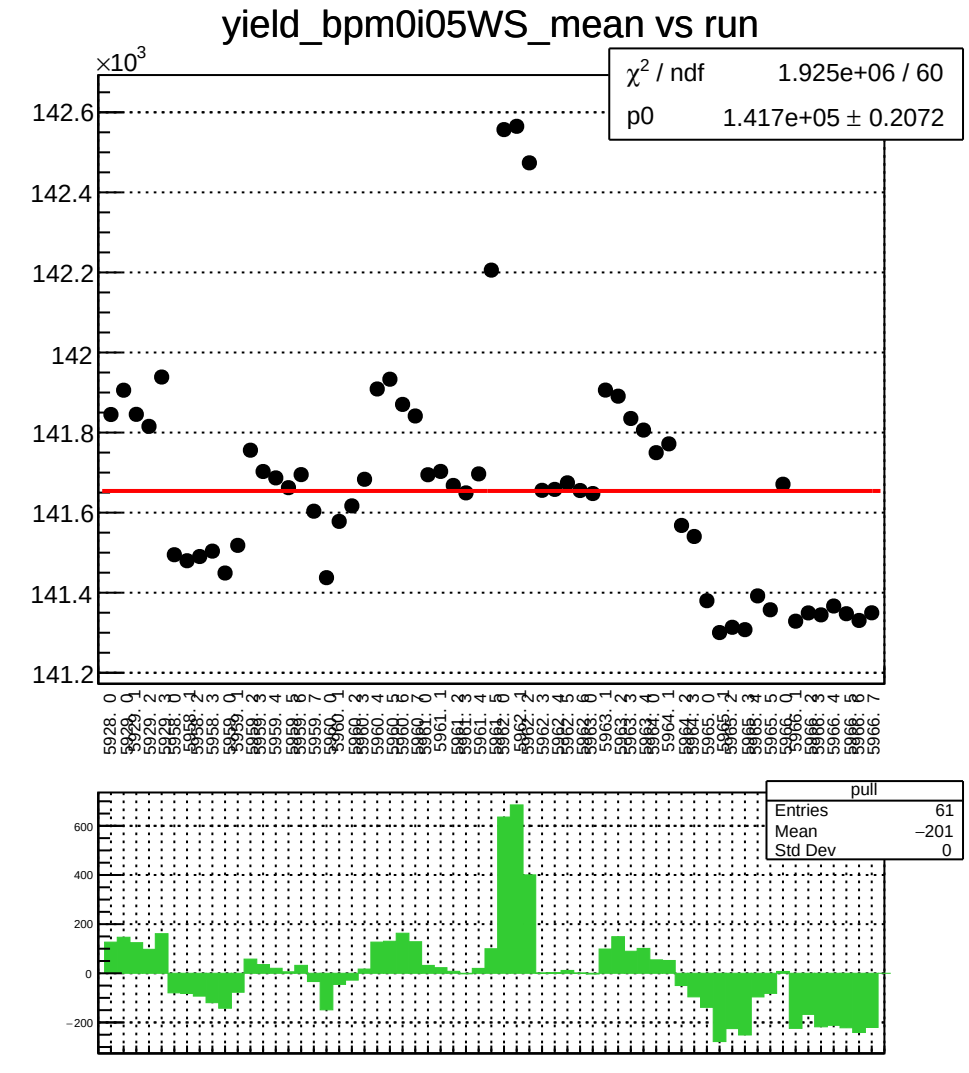

pull1D
Entries 61
Mean 0.7047
Std Dev 4.679
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

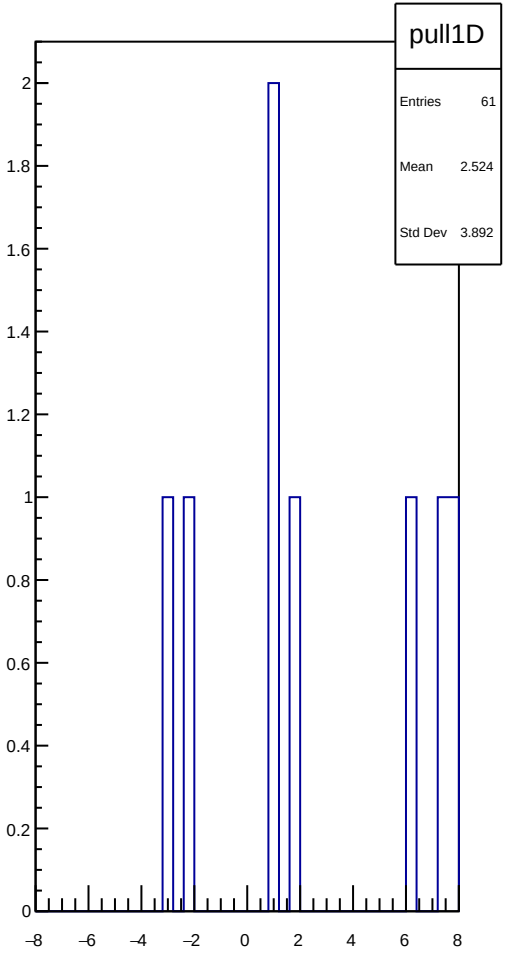

yield_bpm0i02WS_rms vs run
χ² / ndf 4.555e+04 / 60
p0 131.6 ± 0.1228
450
400
350
300
250
200
150
100

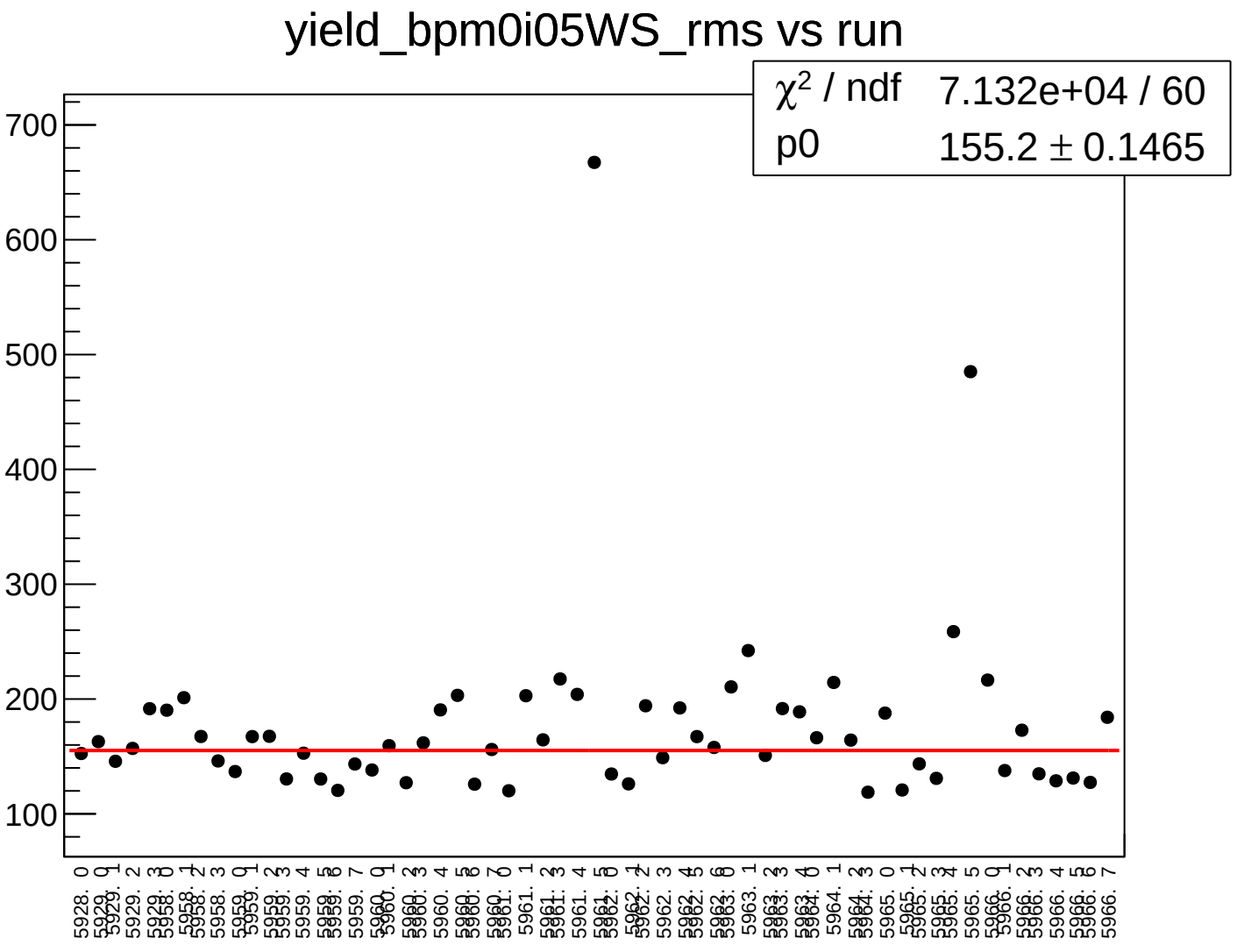

yield_bpm0i02aWS_mean vs run
×10^3
143
142.5
142
141.5
141
χ² / ndf 5.402e+06 / 60
p0 1.413e+05 ± 0.1964
pull
Entries 61
Mean −1.468e+04
Std Dev 0
1000
800
600
400
200
0
−200

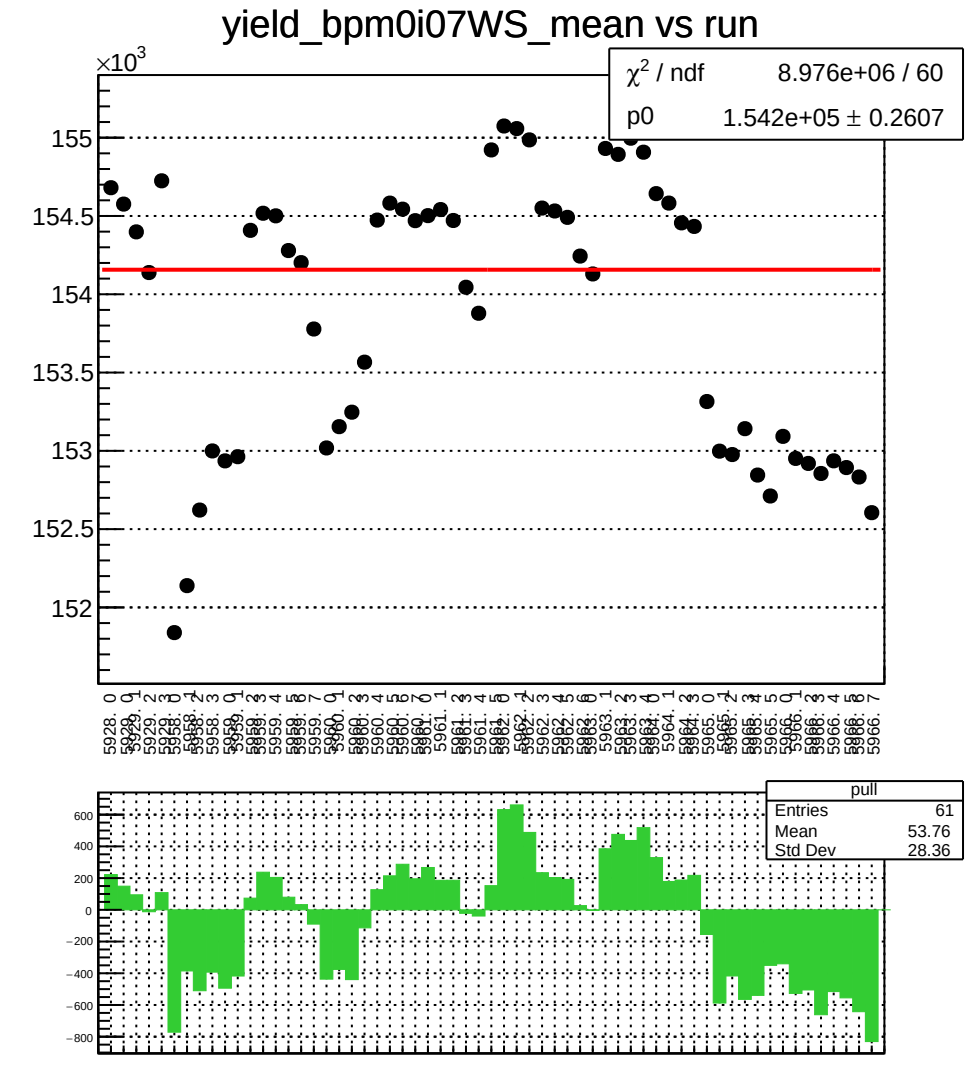

pull1D
Entries 61
Mean 2.371
Std Dev 2.92
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

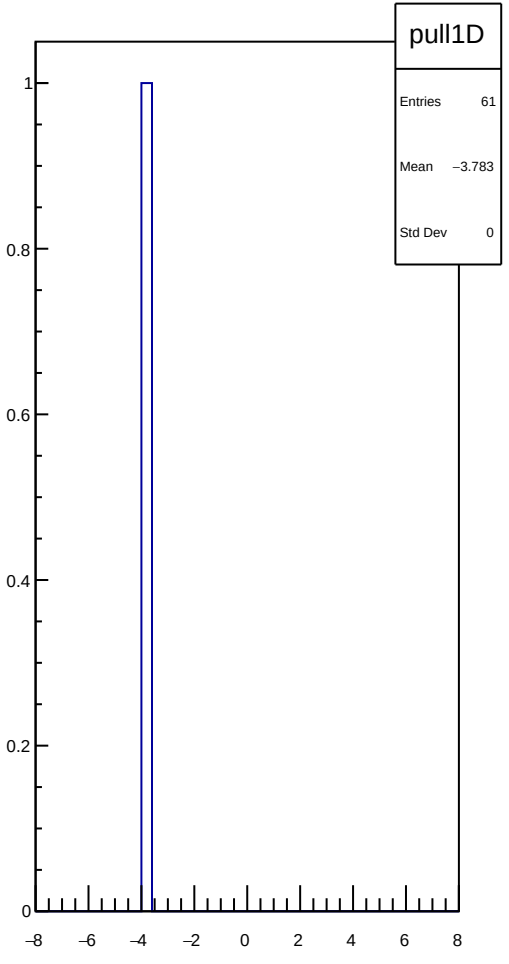

yield_bpm0i02aWS_rms vs run
χ² / ndf 6.111e+04 / 60
p0 147.8 ± 0.1389
550
500
450
400
350
300
250
200
150
100

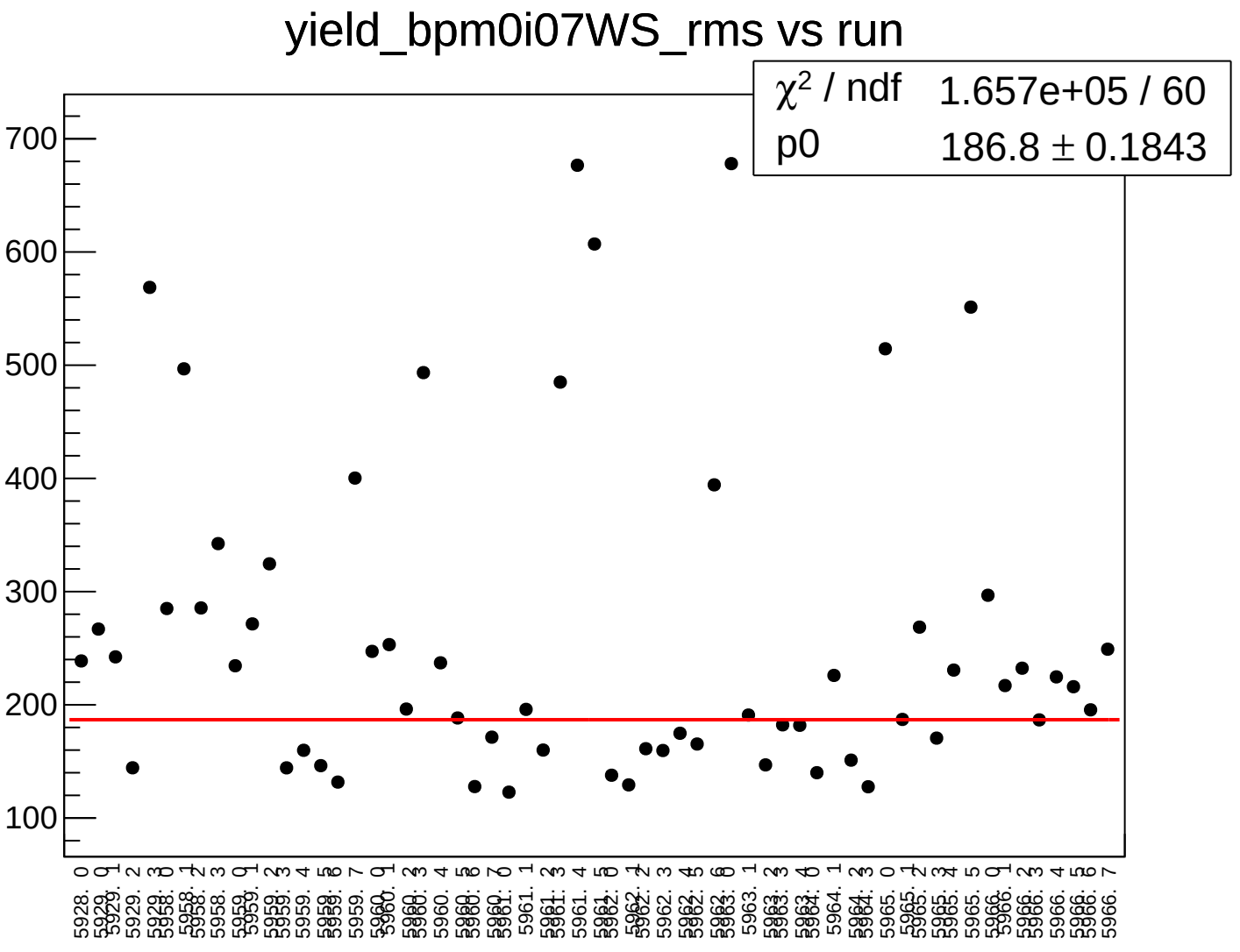

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.925e+06 / 60
p0 1.417e+05 ± 0.2072
142.6
142.4
142.2
142
141.8
141.6
141.4
141.2
pull
Entries 61
Mean −201
Std Dev 0
600
400
200
0
−200

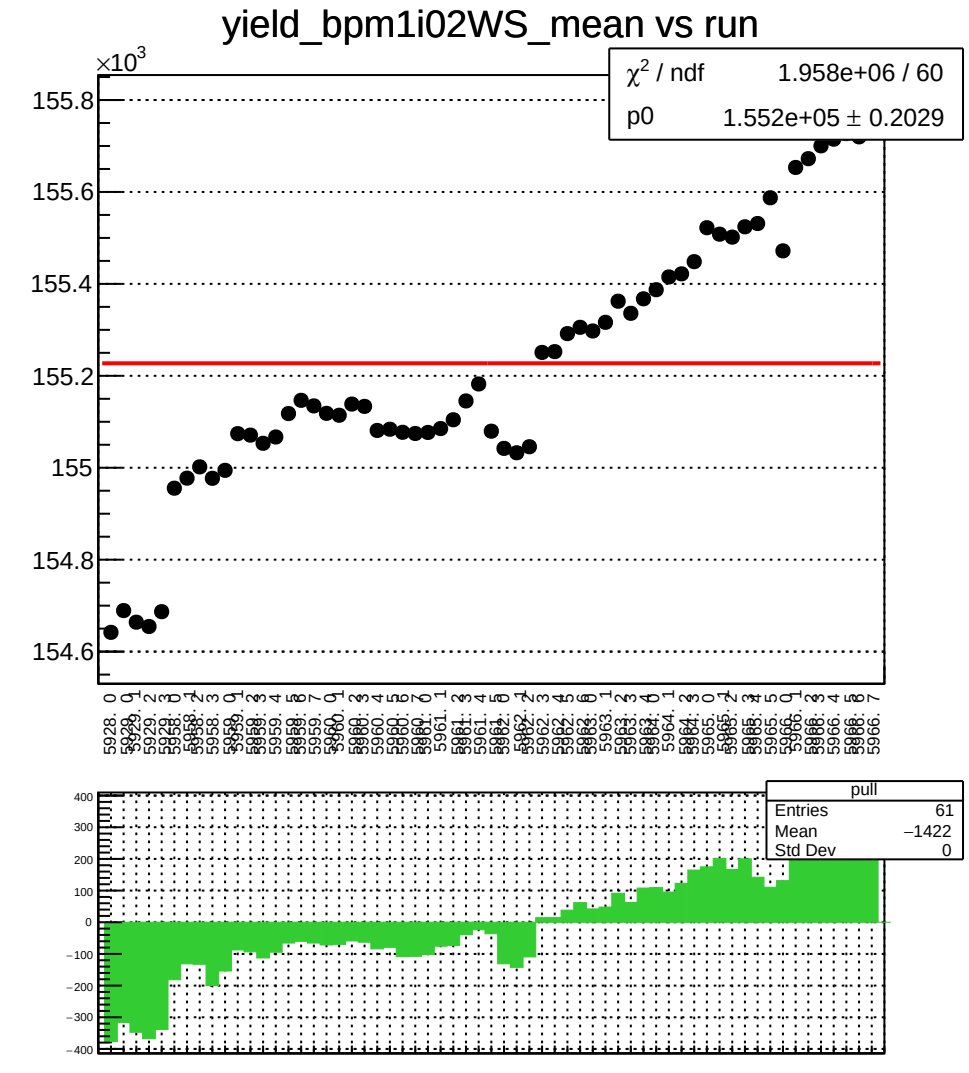

pull1D
Entries 61
Mean 2.524
Std Dev 3.892
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

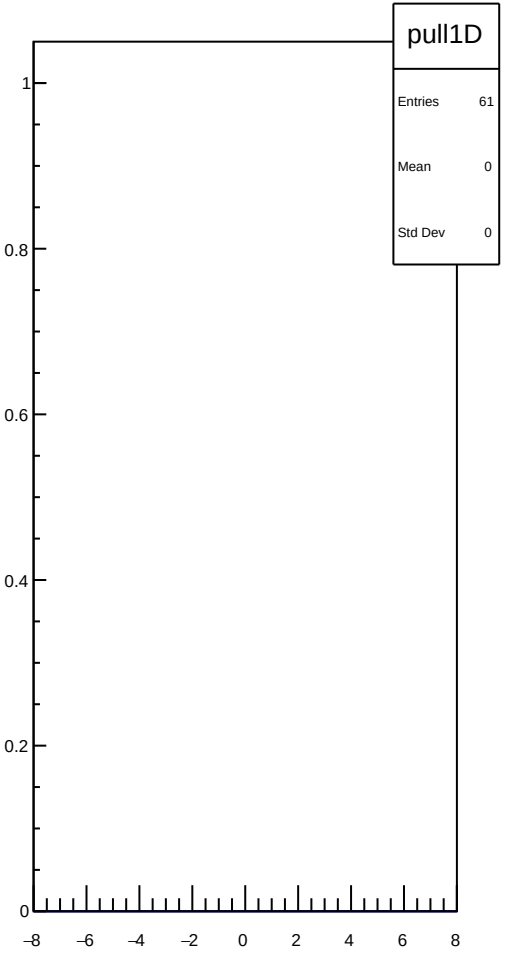

yield_bpm0i05WS_rms vs run
χ² / ndf 7.132e+04 / 60
p0 155.2 ± 0.1465
700
600
500
400
300
200
100

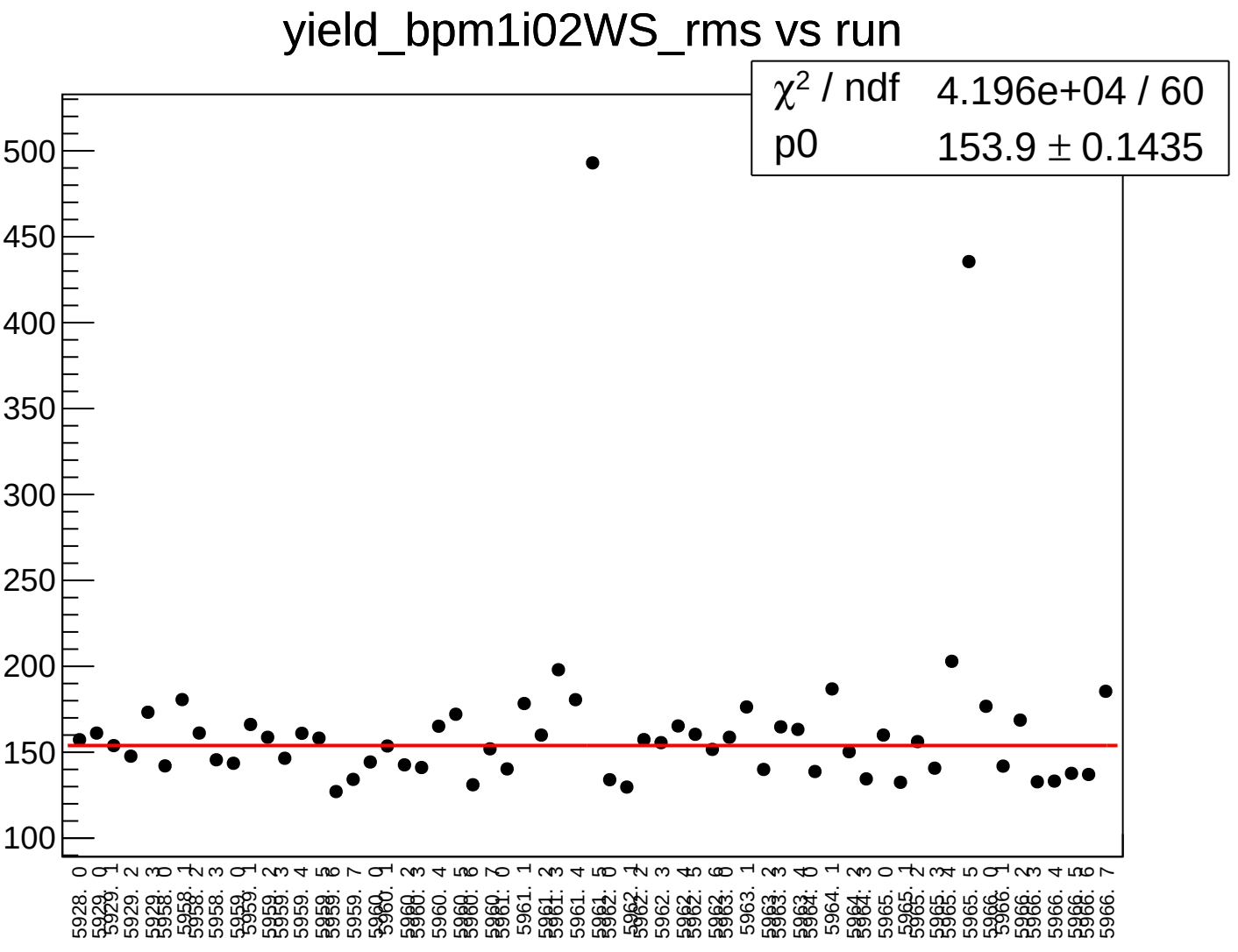

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8.976e+06 / 60
p0 1.542e+05 ± 0.2607
155
154.5
154
153.5
153
152.5
152
pull
Entries 61
Mean 53.76
Std Dev 28.36
600
400
200
0
−200
−400
−600
−800

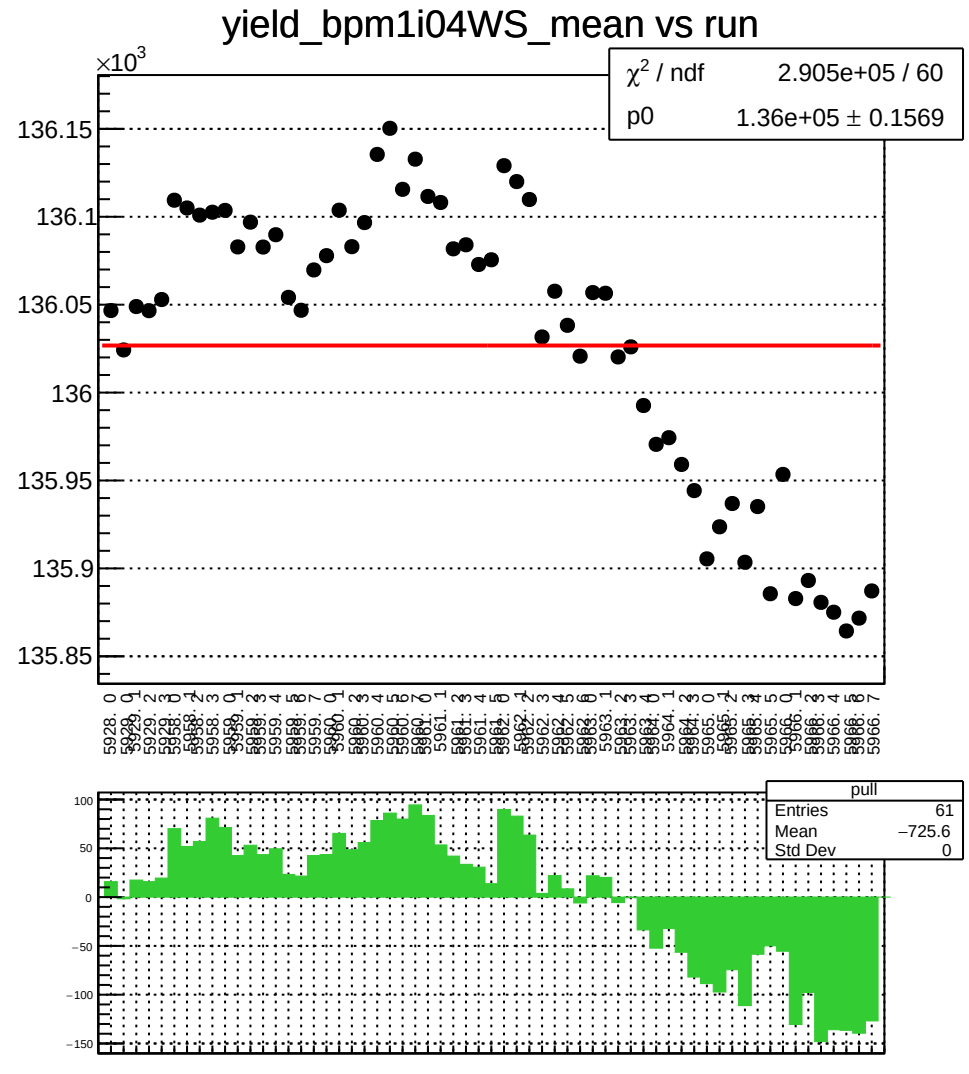

pull1D
Entries 61
Mean −3.783
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

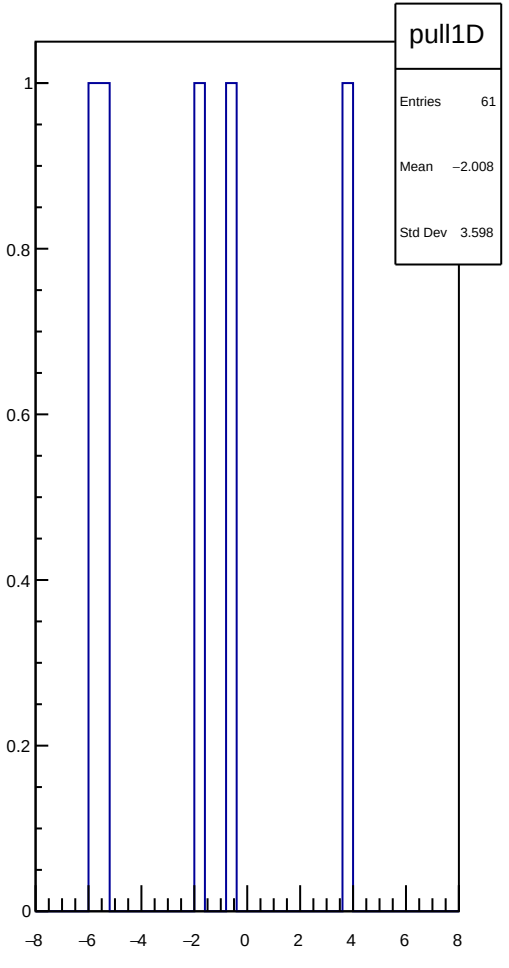

yield_bpm0i07WS_rms vs run
χ² / ndf 1.657e+05 / 60
p0 186.8 ± 0.1843
700
600
500
400
300
200
100

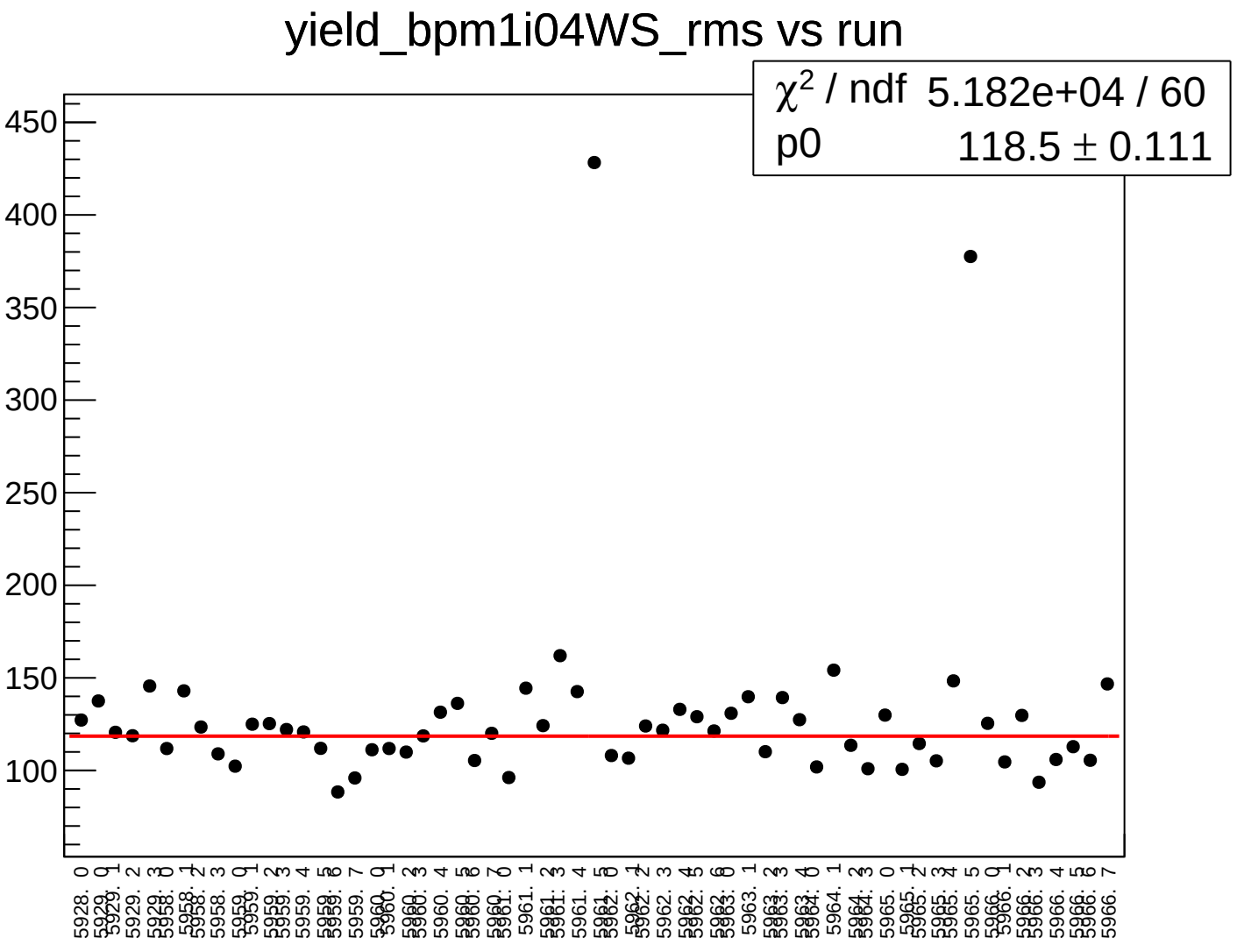

yield_bpm1i02WS_mean vs run
×10^3
155.8
155.6
155.4
155.2
155
154.8
154.6
χ² / ndf 1.958e+06 / 60
p0 1.552e+05 ± 0.2029
pull
Entries 61
Mean −1422
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

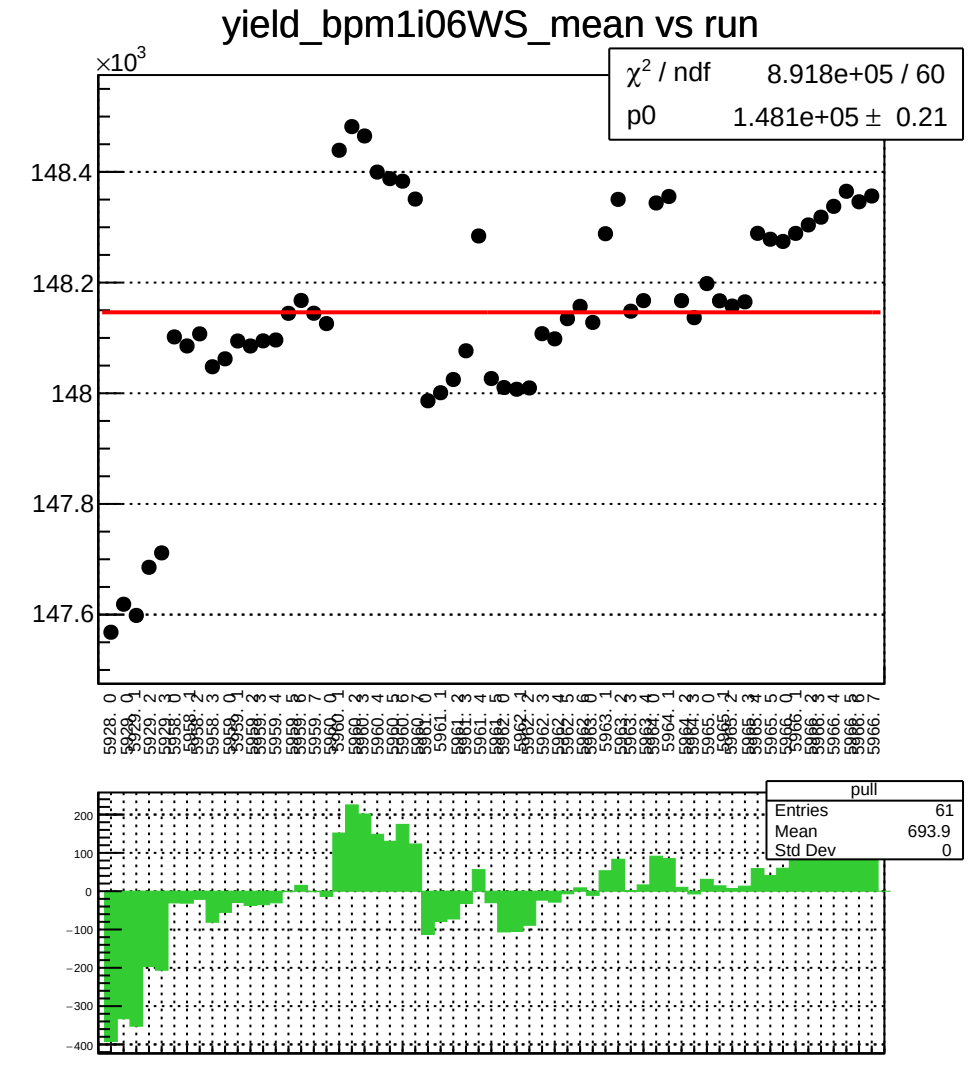

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

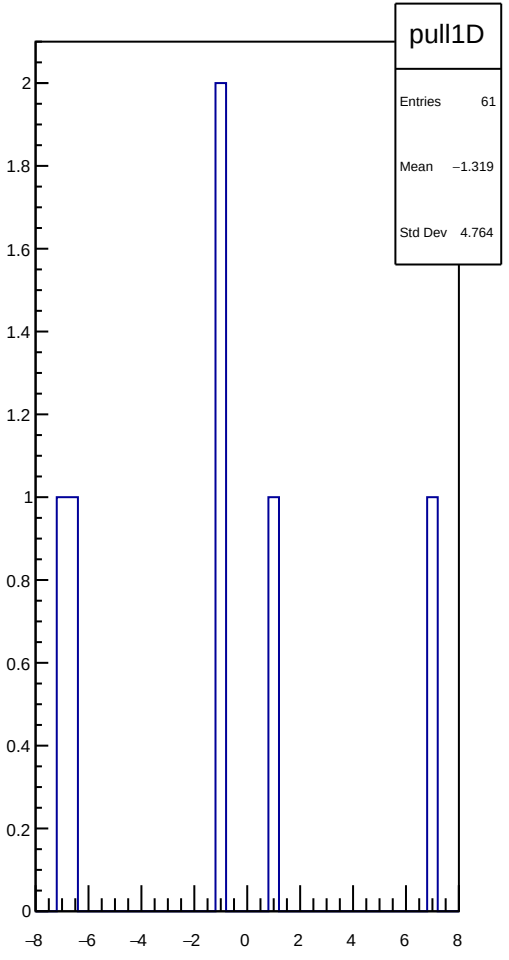

yield_bpm1i02WS_rms vs run
χ² / ndf 4.196e+04 / 60
p0 153.9 ± 0.1435
500
450
400
350
300
250
200
150
100

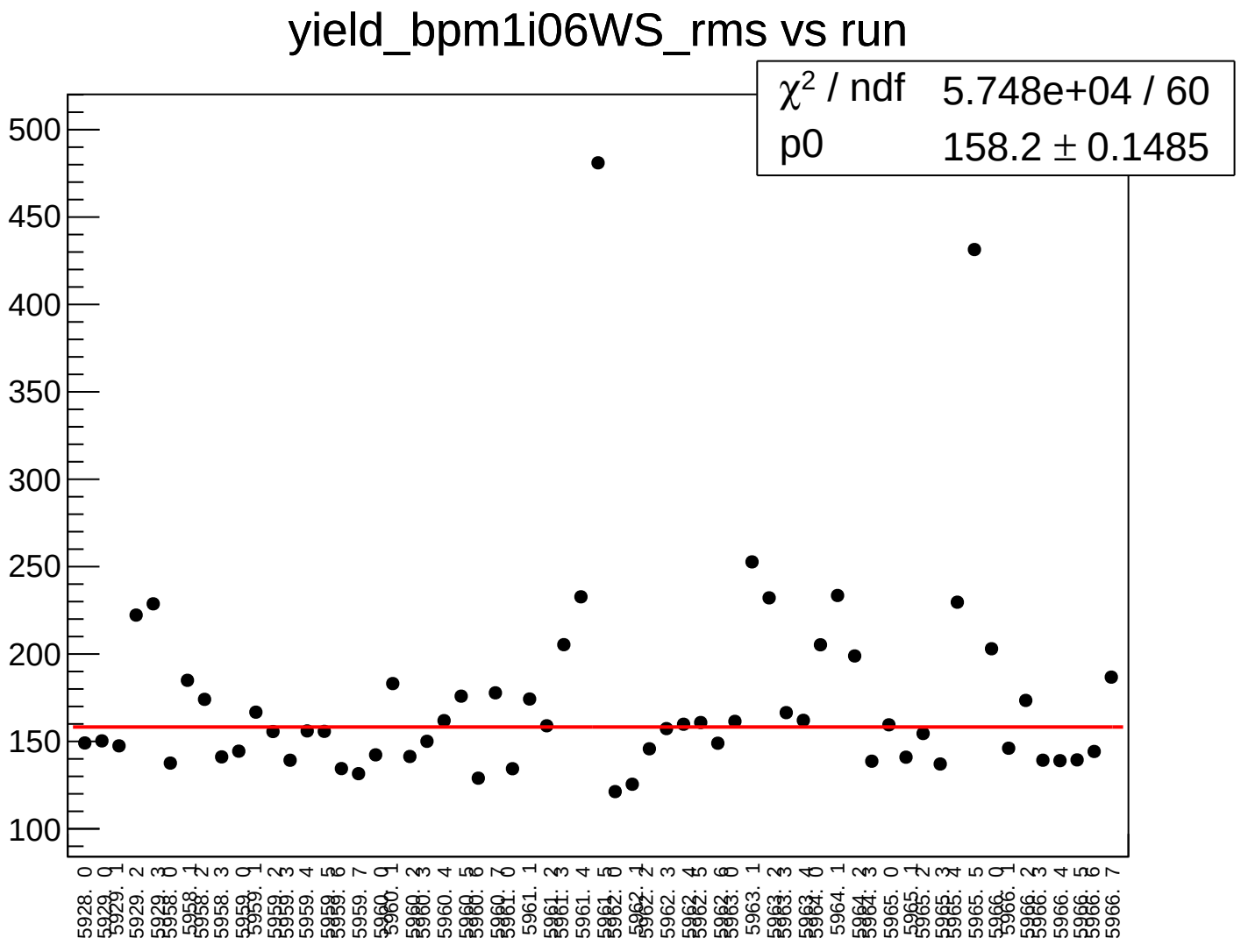

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 2.905e+05 / 60
p0 1.36e+05 ± 0.1569
136.15
136.1
136.05
136
135.95
135.9
135.85
pull
Entries 61
Mean −725.6
Std Dev 0
100
50
0
−50
−100
−150

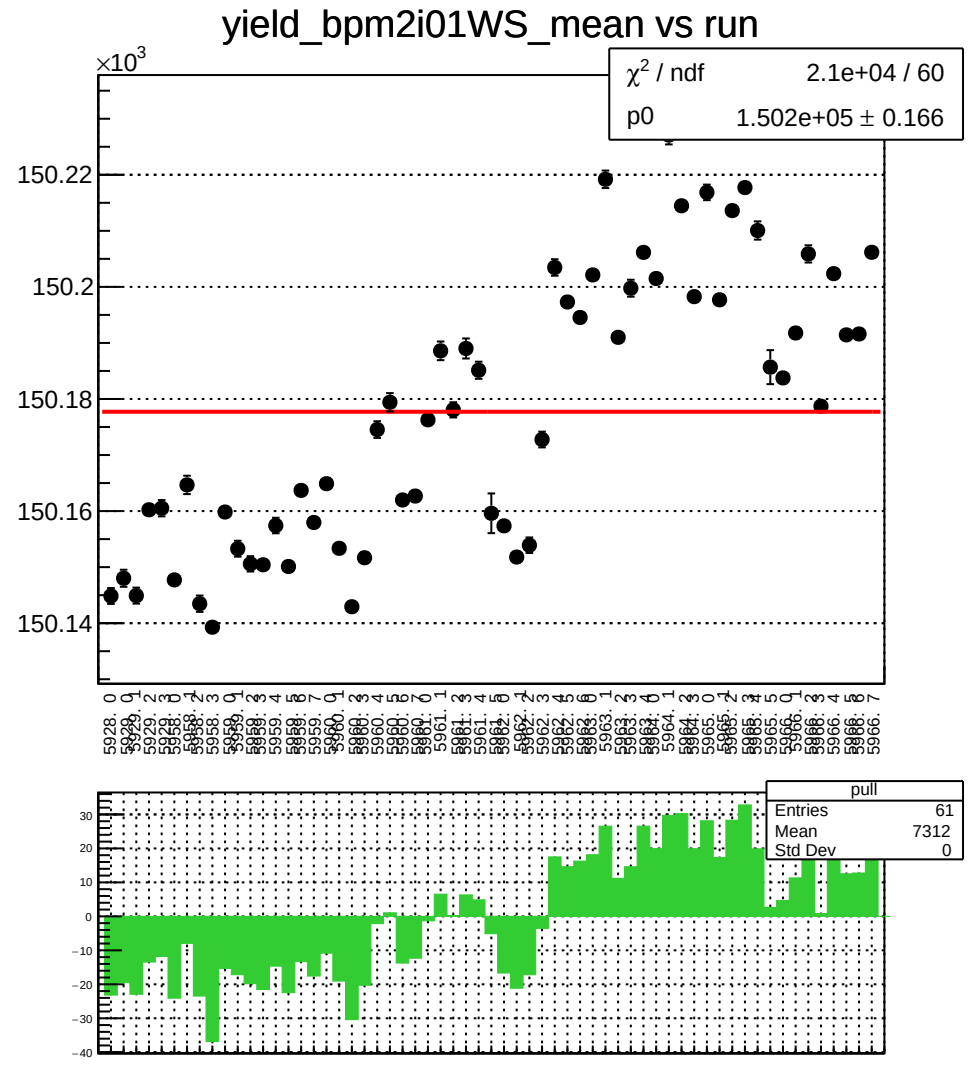

pull1D
Entries 61
Mean −2.008
Std Dev 3.598
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

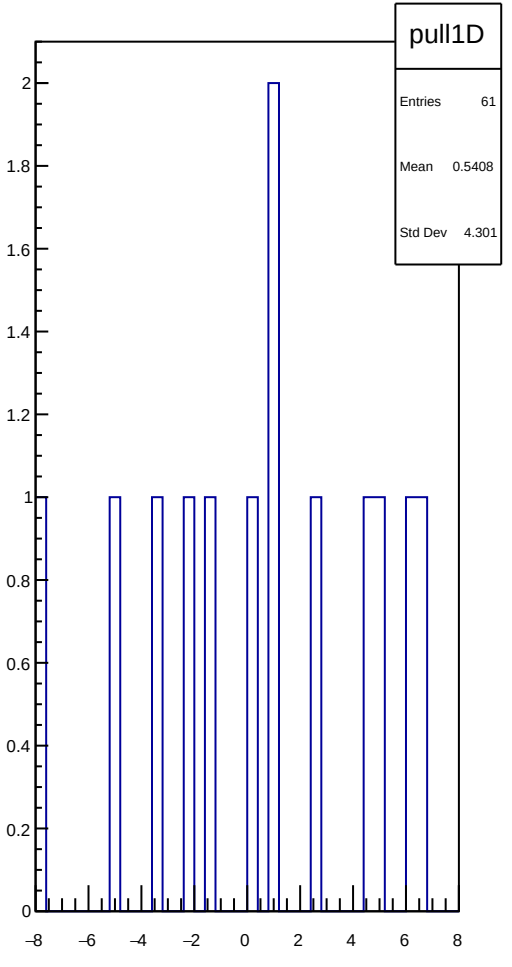

yield_bpm1i04WS_rms vs run
χ^2 / ndf 5.182e+04 / 60
p0 118.5 ± 0.111
450
400
350
300
250
200
150
100

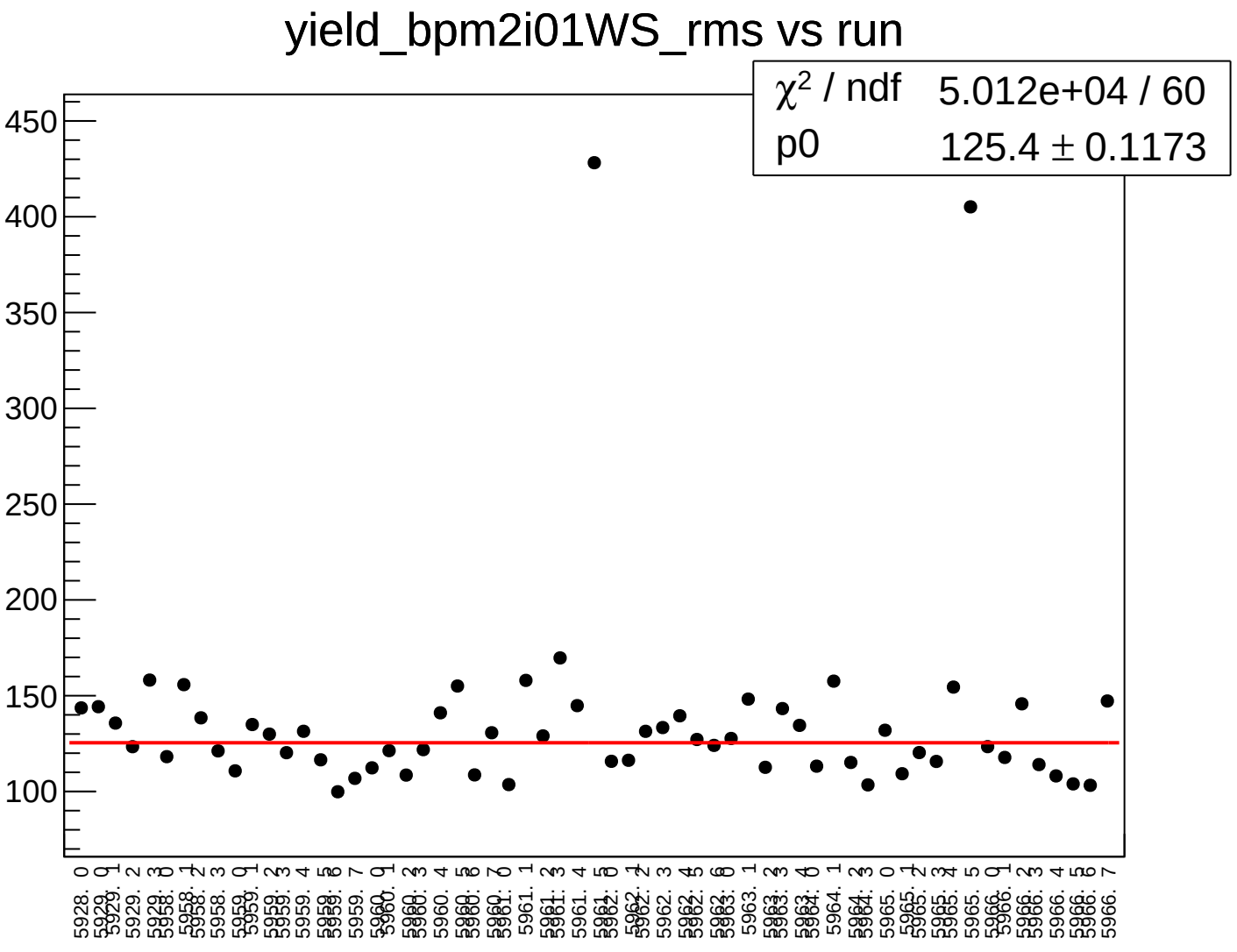

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 8.918e+05 / 60
p0 1.481e+05 ± 0.21
148.4
148.2
148
147.8
147.6
pull
Entries 61
Mean 693.9
Std Dev 0
200
100
0
−100
−200
−300
−400

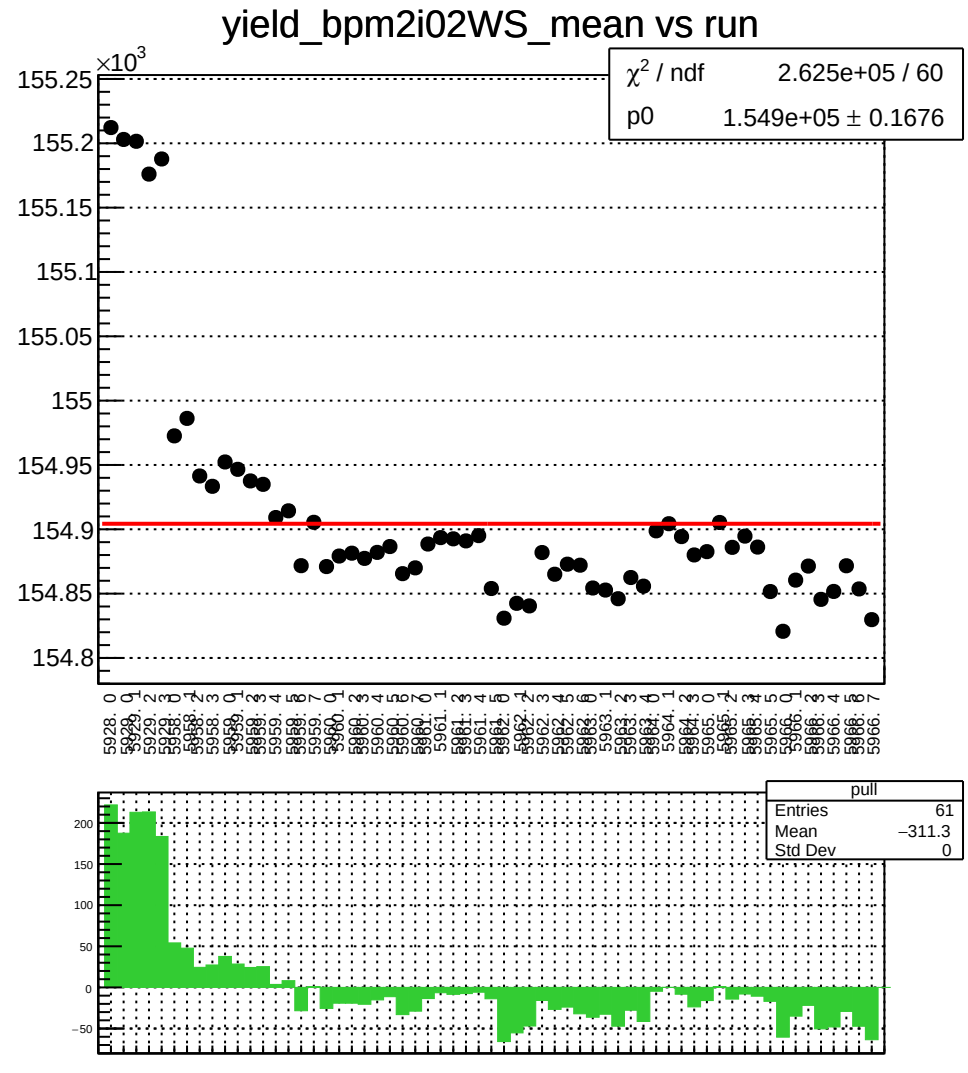

pull1D
Entries 61
Mean −1.319
Std Dev 4.764
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

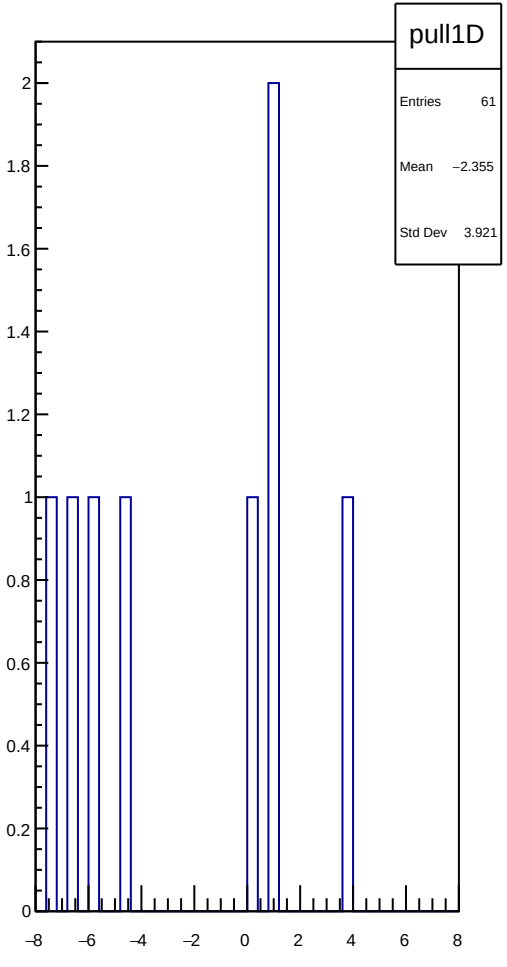

yield_bpm1i06WS_rms vs run
χ² / ndf 5.748e+04 / 60
p0 158.2 ± 0.1485
500
450
400
350
300
250
200
150
100

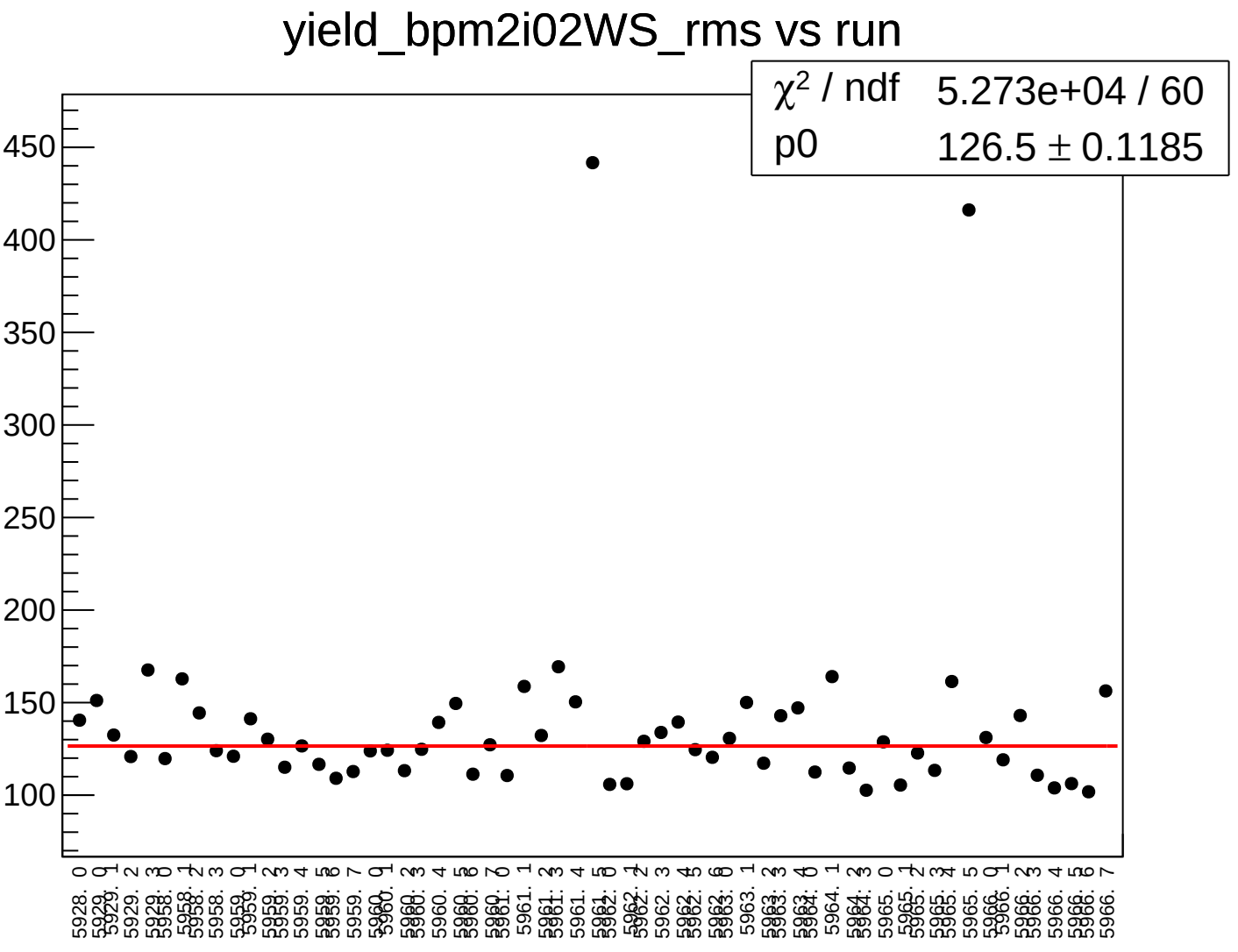

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2.1e+04 / 60
p0 1.502e+05 ± 0.166
150.22
150.2
150.18
150.16
150.14
pull
Entries 61
Mean 7312
Std Dev 0
30
20
10
0
−10
−20
−30
−40

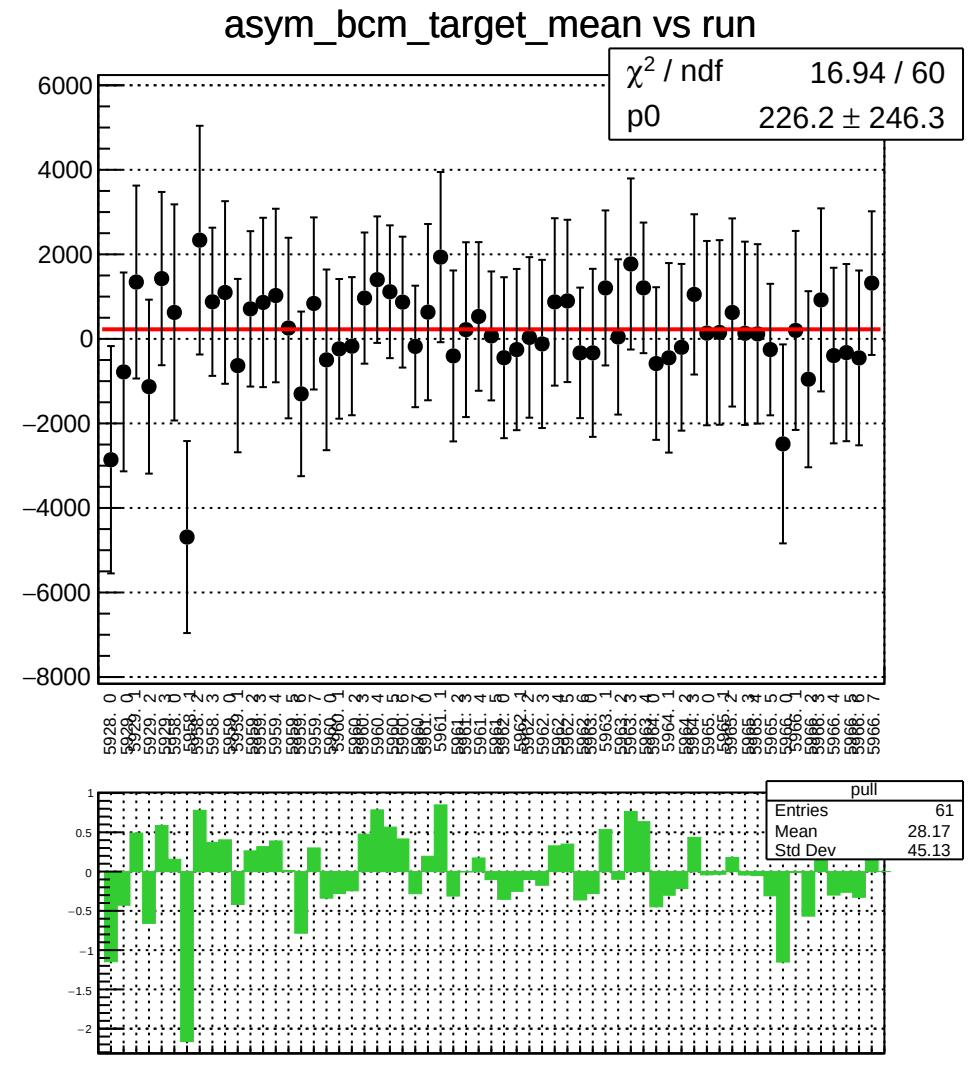

pull1D
Entries 61
Mean 0.5408
Std Dev 4.301
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

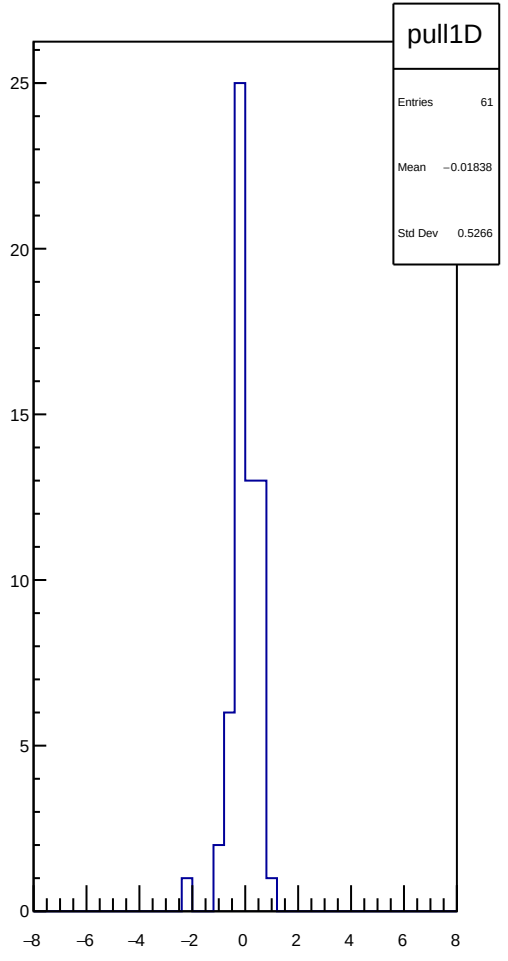

yield_bpm2i01WS_rms vs run
χ² / ndf 5.012e+04 / 60
p0 125.4 ± 0.1173
450
400
350
300
250
200
150
100

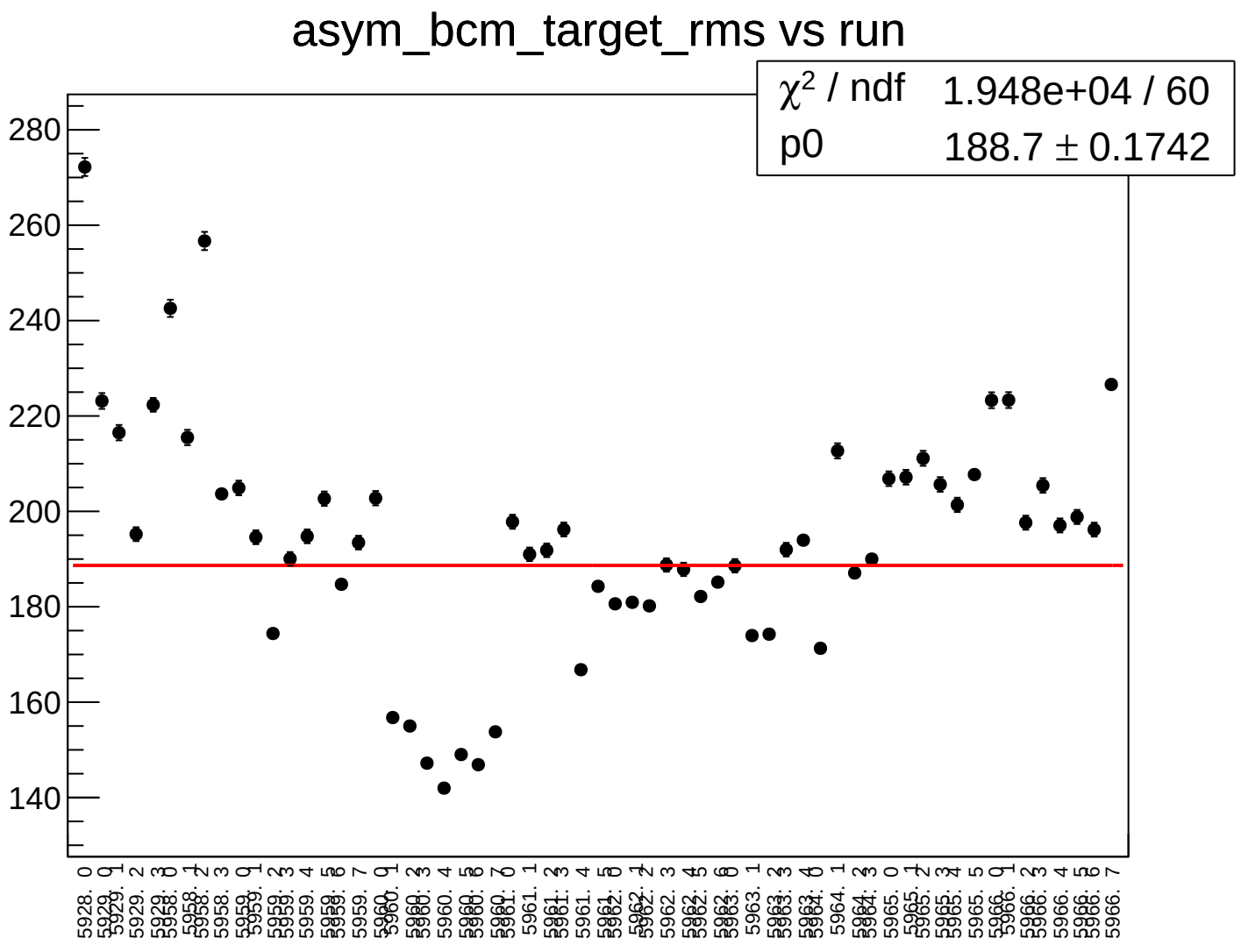

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 2.625e+05 / 60
p0 1.549e+05 ± 0.1676
155.25
155.2
155.15
155.1
155.05
155
154.95
154.9
154.85
154.8
pull
Entries 61
Mean −311.3
Std Dev 0
200
150
100
50
0
−50

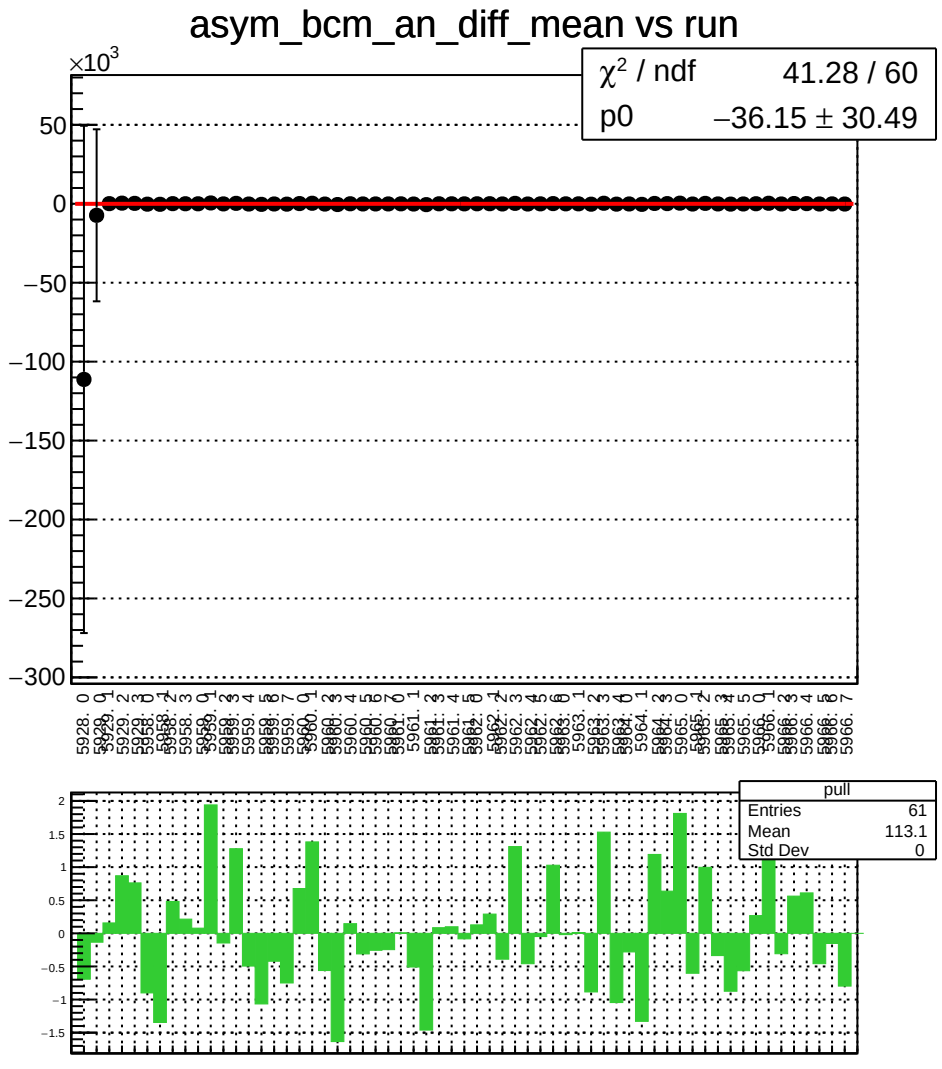

pull1D
Entries 61
Mean −2.355
Std Dev 3.921
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

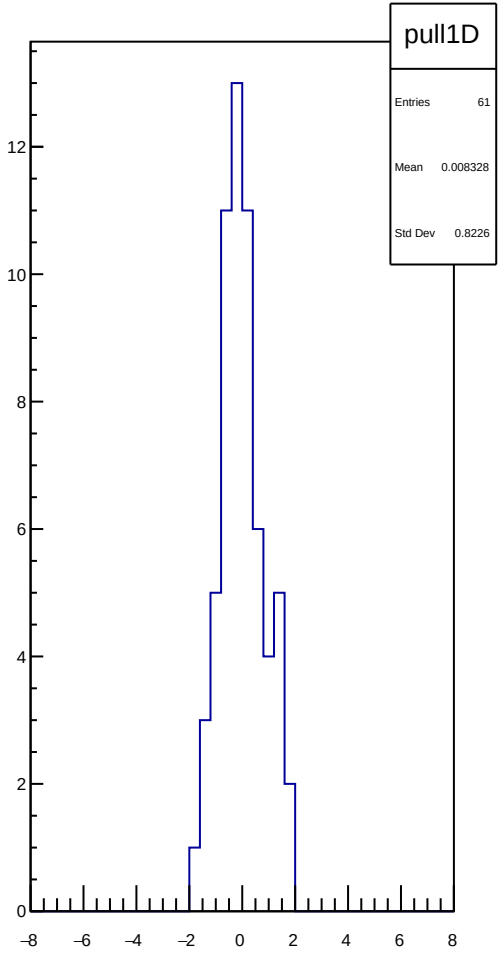

yield_bpm2i02WS_rms vs run
χ^2 / ndf 5.273e+04 / 60
p0 126.5 ± 0.1185
450
400
350
300
250
200
150
100

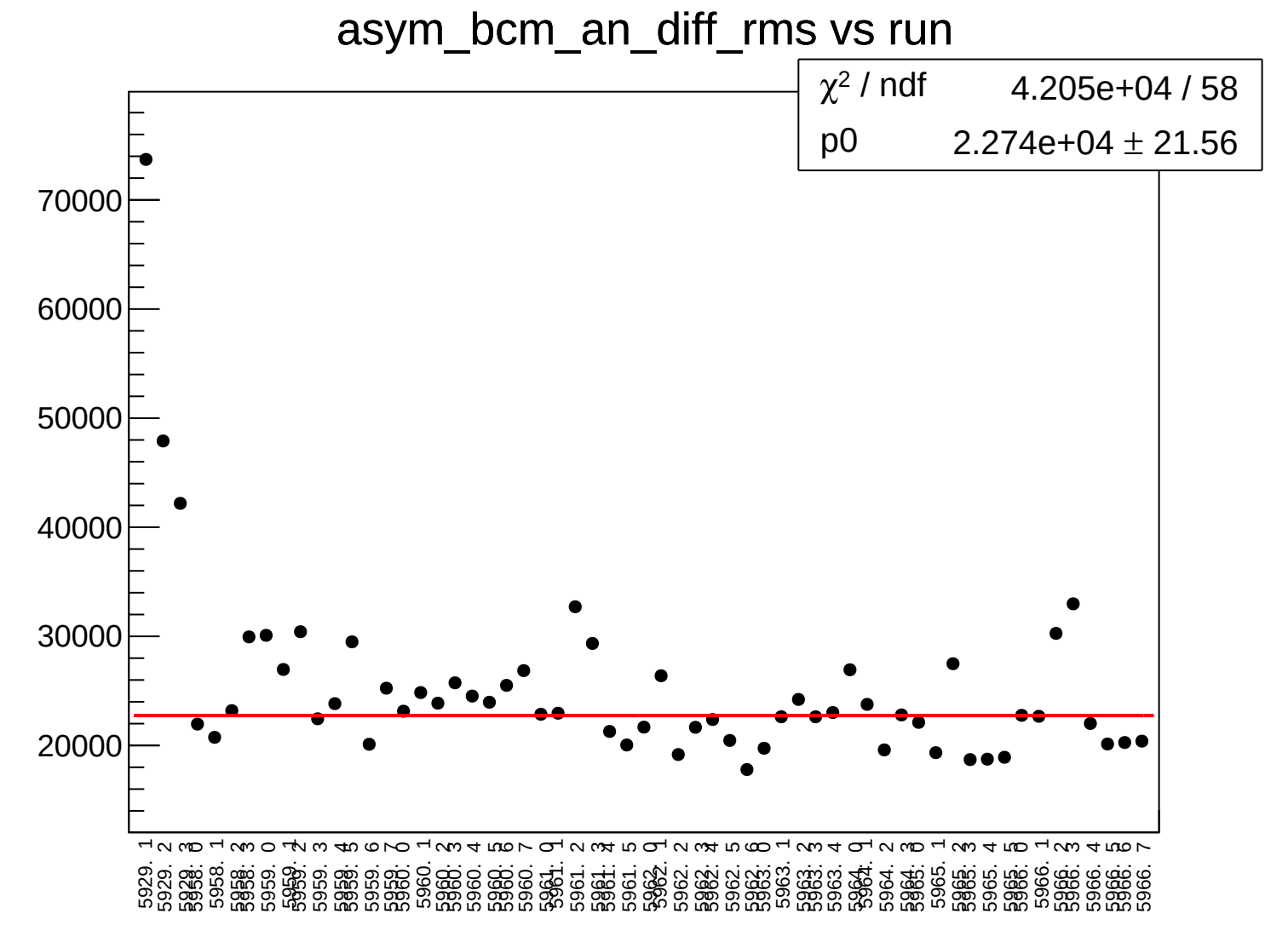

asym_bcm_target_mean vs run
χ² / ndf 16.94 / 60
p0 226.2 ± 246.3
pull
Entries 61
Mean 28.17
Std Dev 45.13

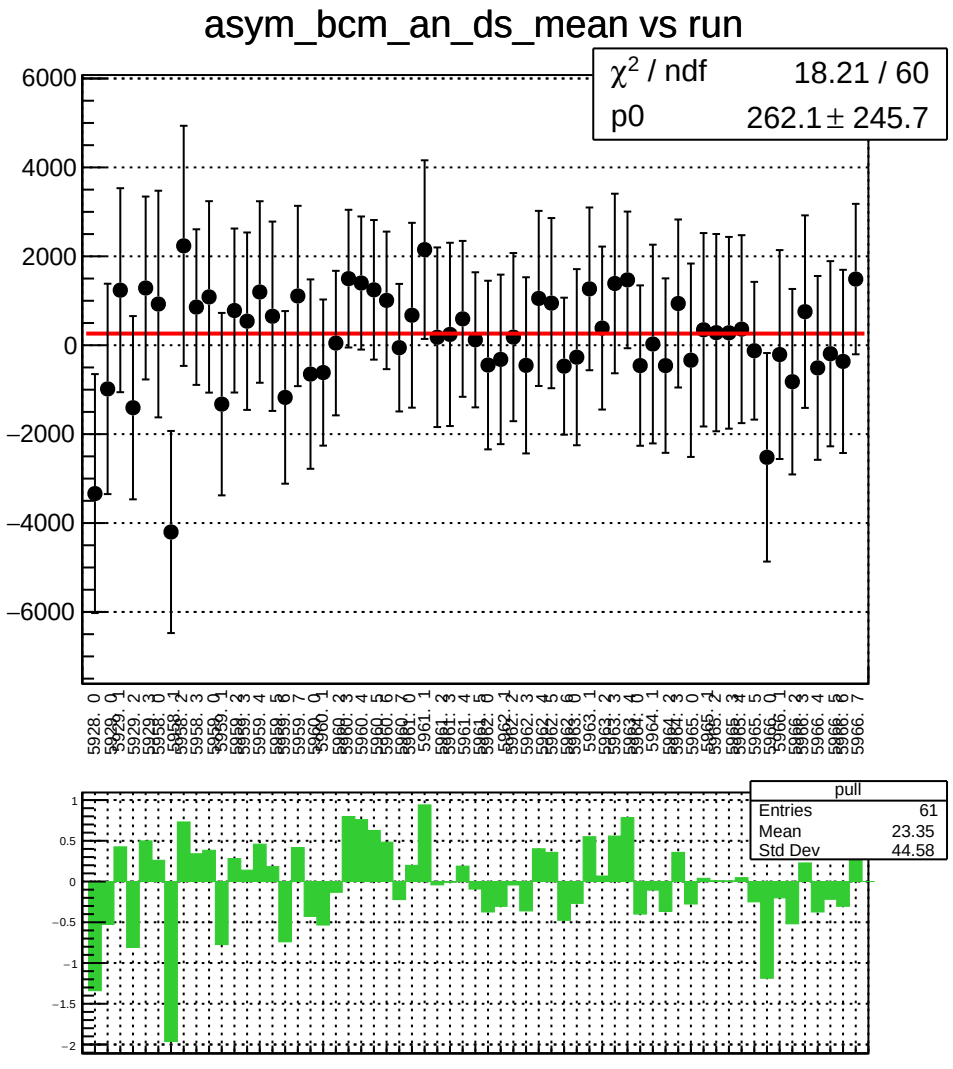

pull1D
Entries 61
Mean −0.01838
Std Dev 0.5266

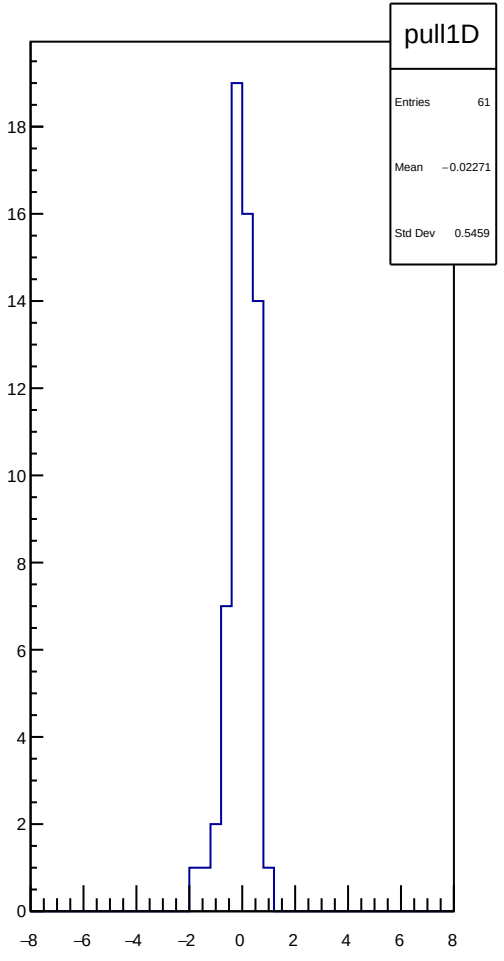

asym_bcm_target_rms vs run
χ² / ndf 1.948e+04 / 60
p0 188.7 ± 0.1742
280
260
240
220
200
180
160
140

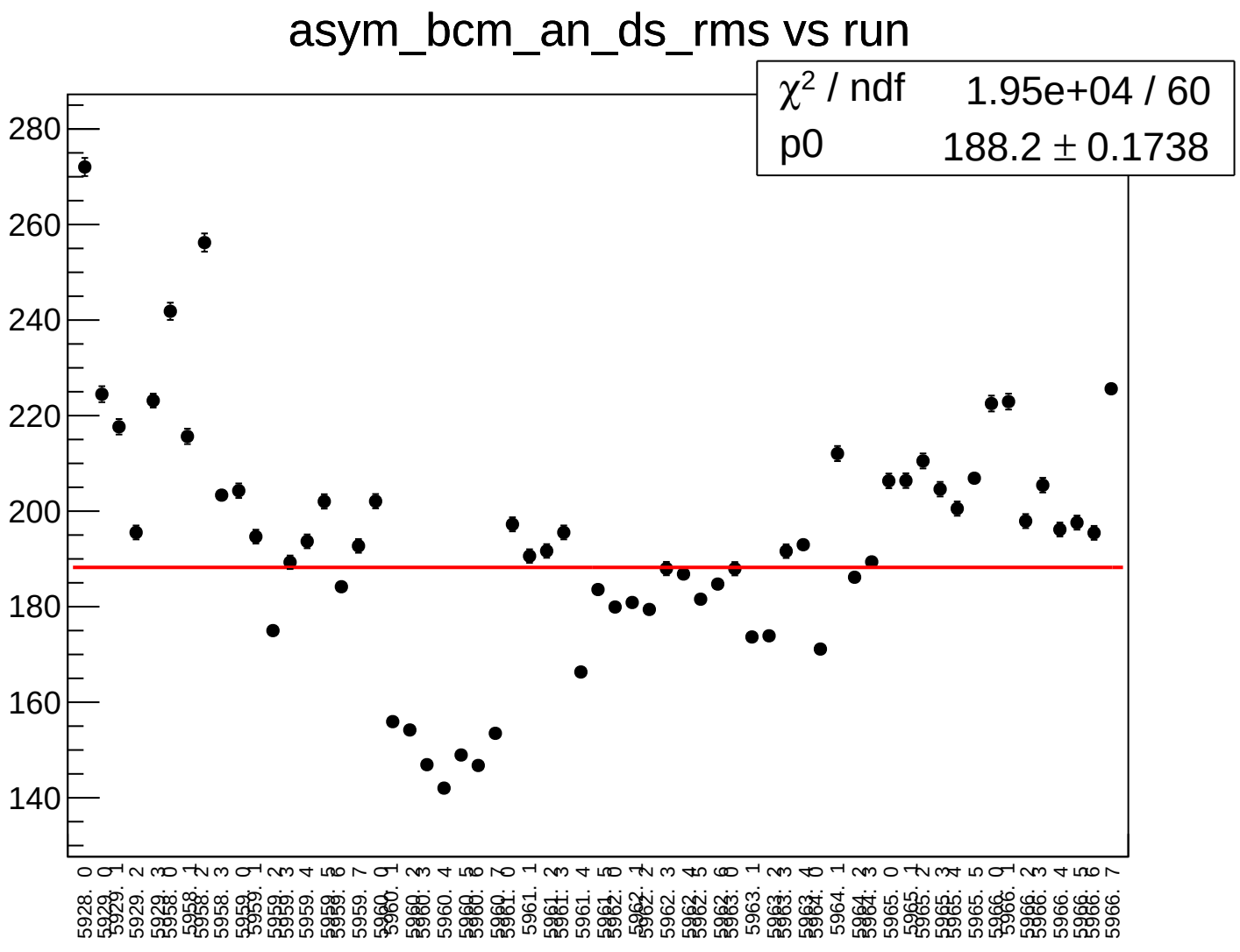

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 41.28 / 60
p0 −36.15 ± 30.49
pull
Entries 61
Mean 113.1
Std Dev 0

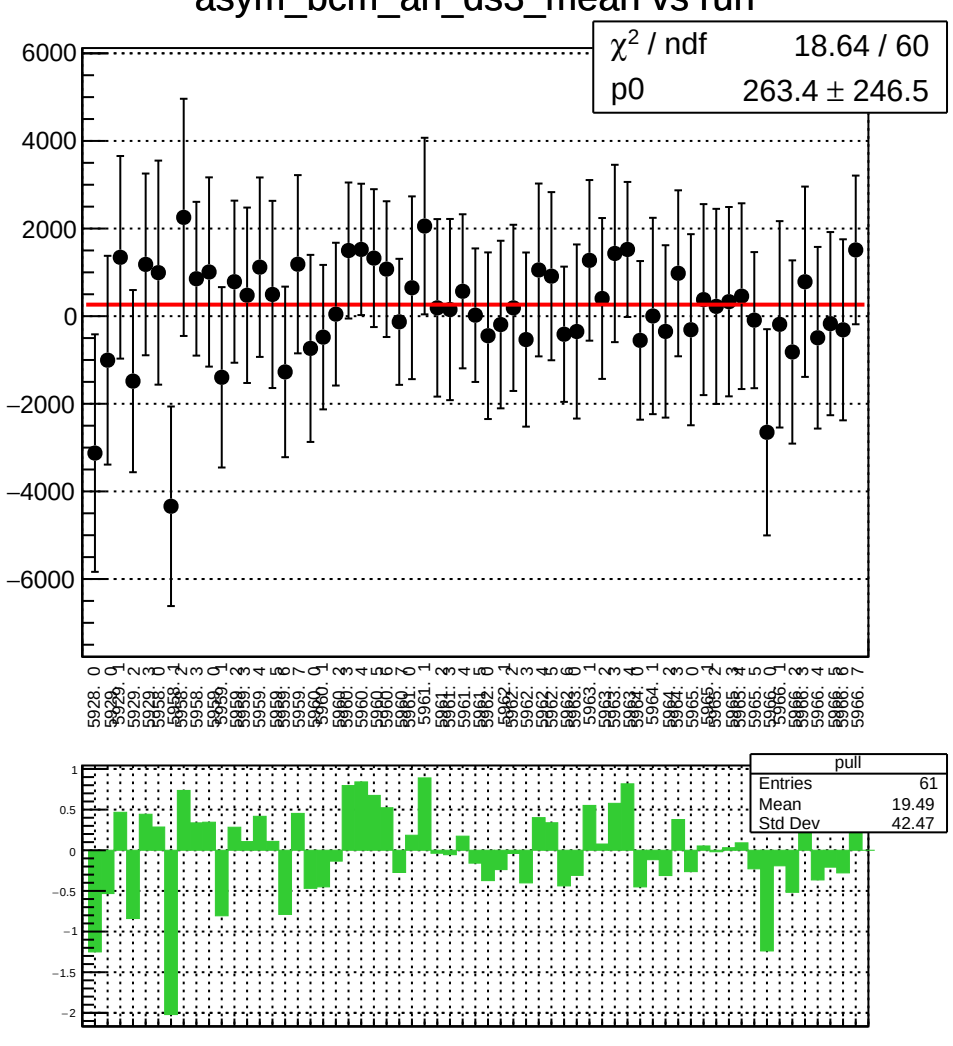

pull1D
Entries 61
Mean 0.008328
Std Dev 0.8226

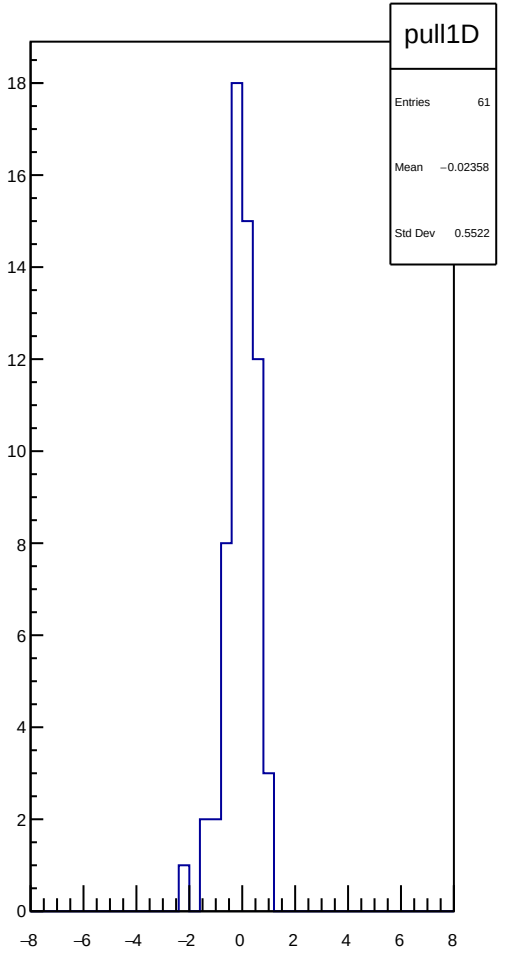

asym_bcm_an_diff_rms vs run
χ² / ndf 4.205e+04 / 58
p0 2.274e+04 ± 21.56
70000
60000
50000
40000
30000
20000

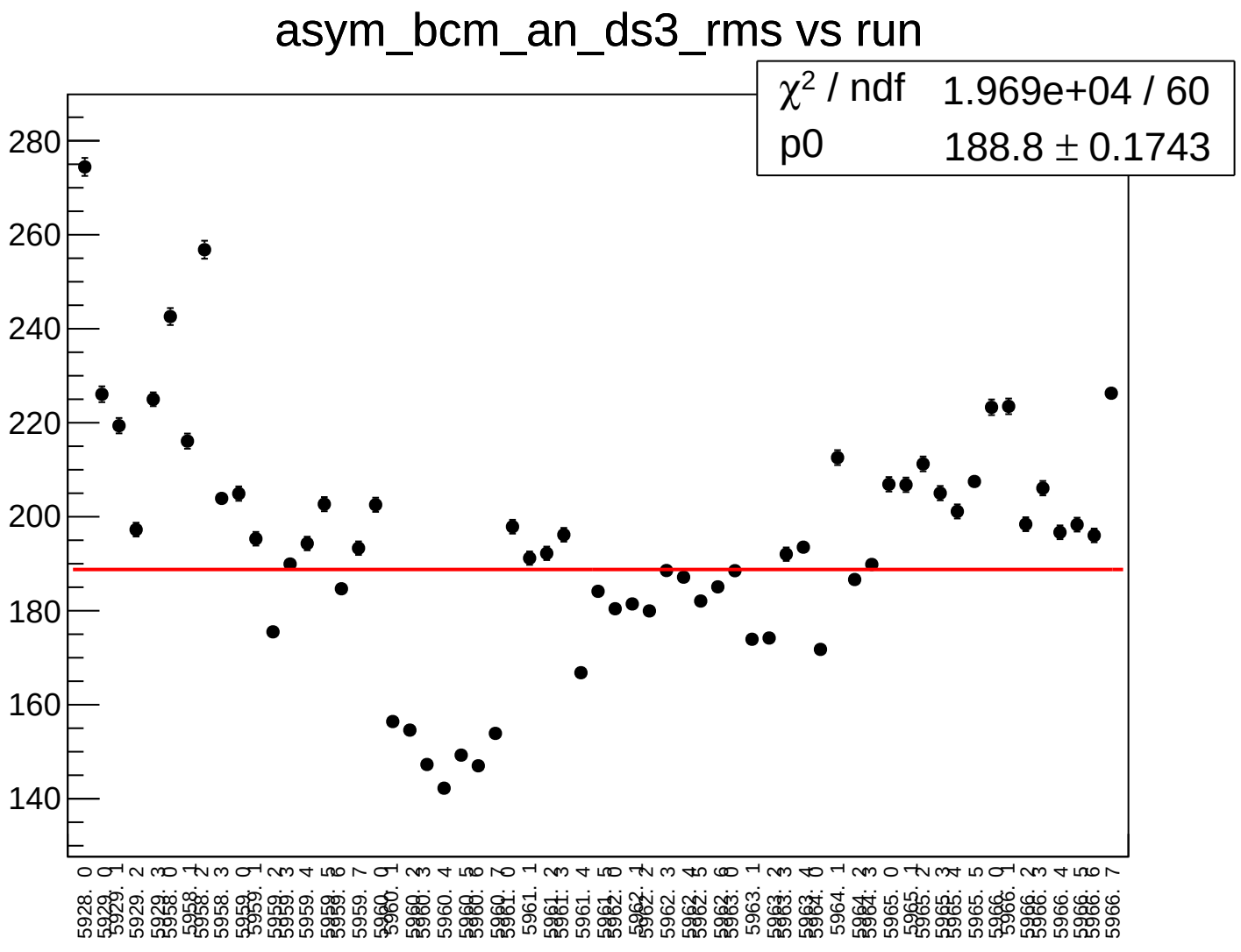

asym_bcm_an_ds_mean vs run
χ² / ndf 18.21 / 60
p0 262.1 ± 245.7
pull
Entries 61
Mean 23.35
Std Dev 44.58

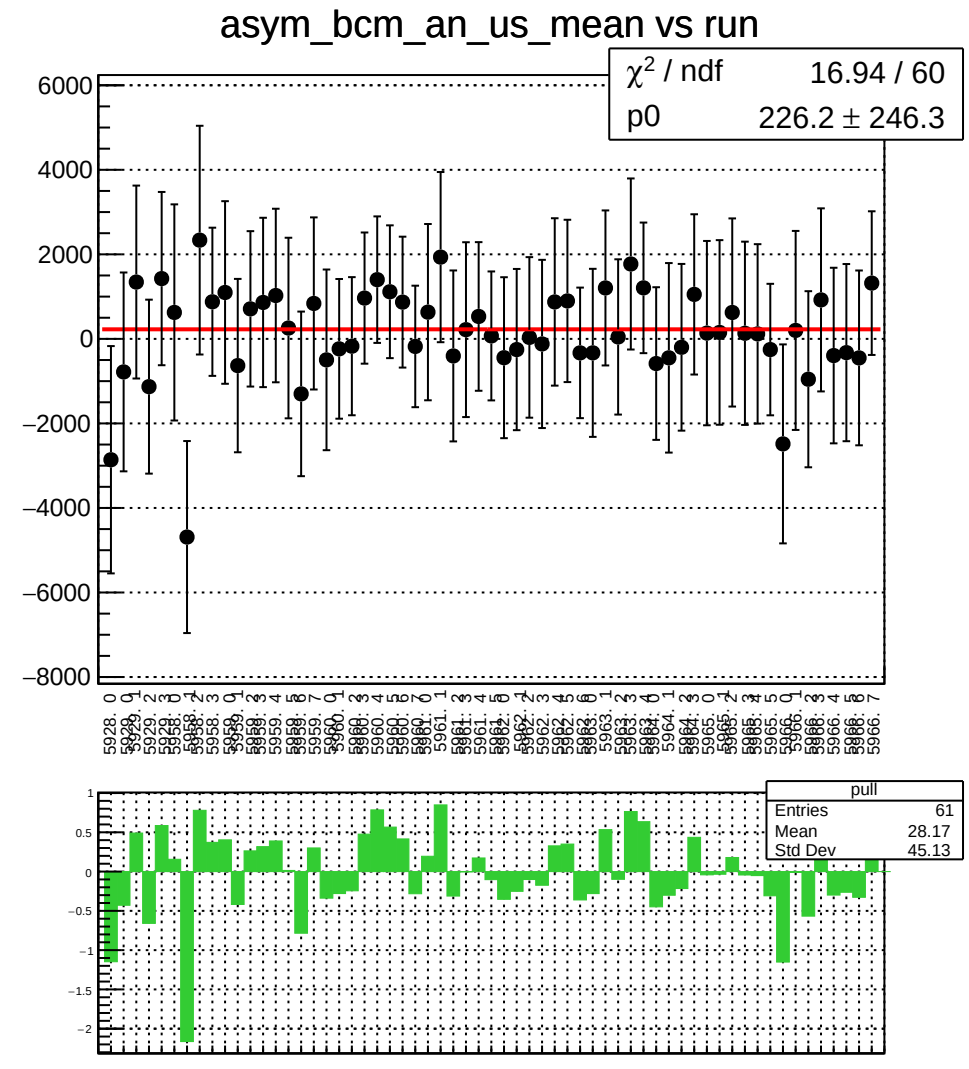

pull1D
Entries 61
Mean −0.02271
Std Dev 0.5459

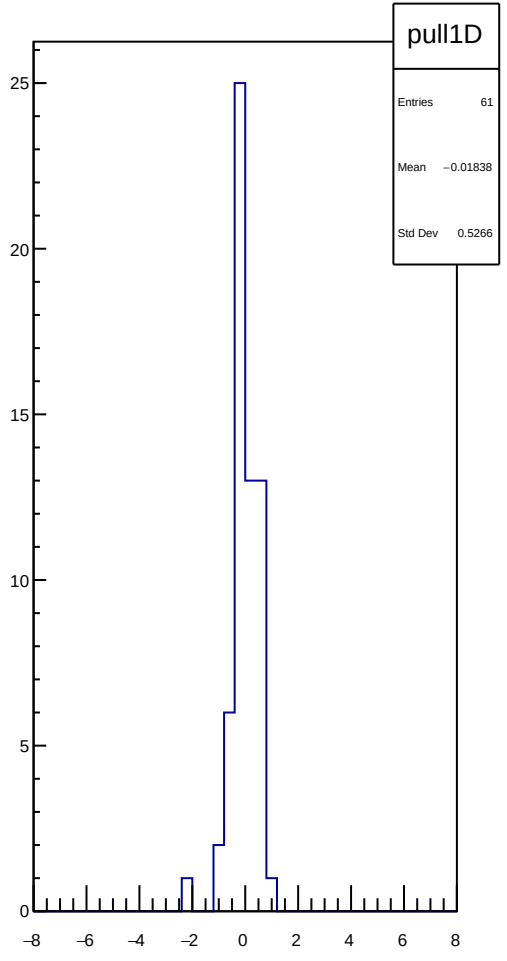

asym_bcm_an_ds_rms vs run
χ² / ndf 1.95e+04 / 60
p0 188.2 ± 0.1738
280
260
240
220
200
180
160
140

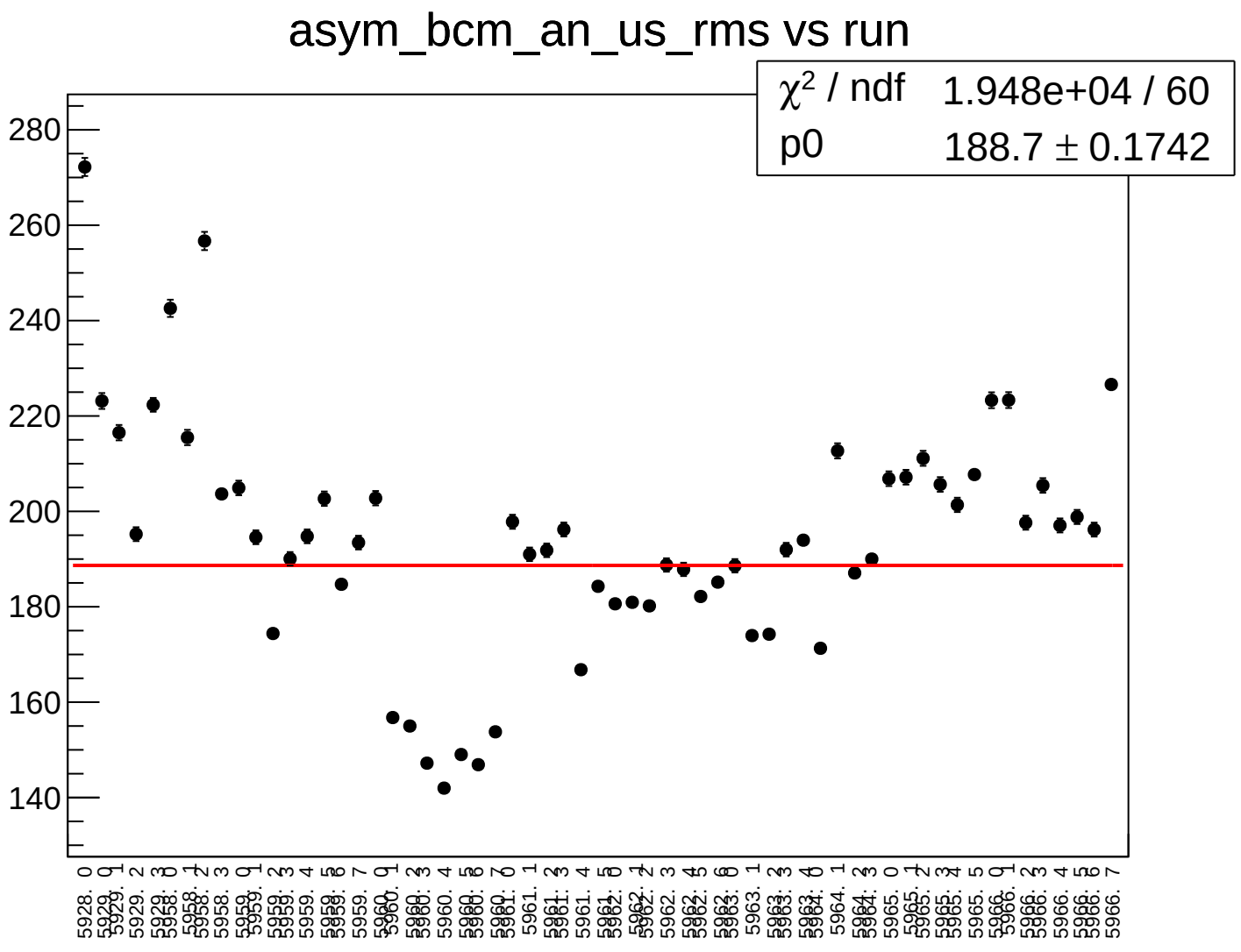

asym_bcm_an_ds3_mean vs run
χ² / ndf 18.64 / 60
p0 263.4 ± 246.5
pull
Entries 61
Mean 19.49
Std Dev 42.47

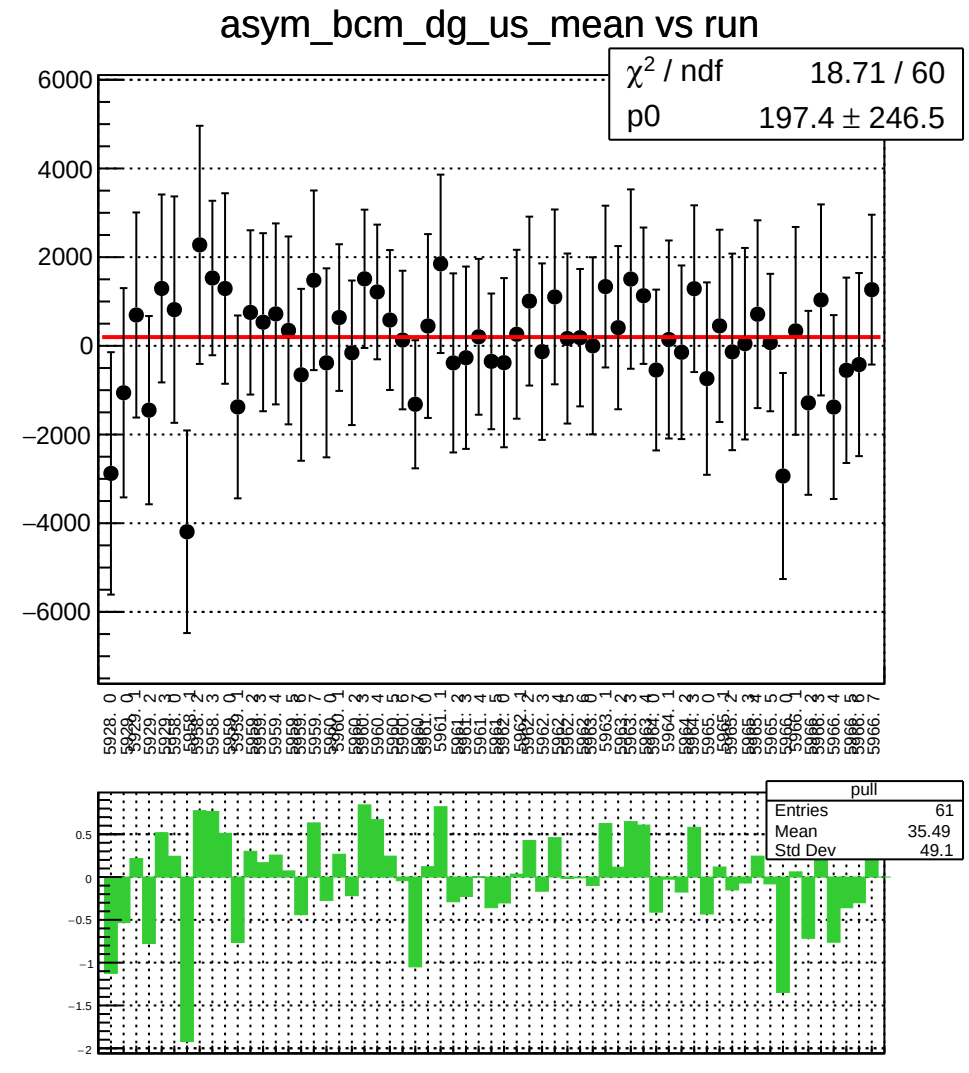

pull1D
Entries 61
Mean −0.02358
Std Dev 0.5522

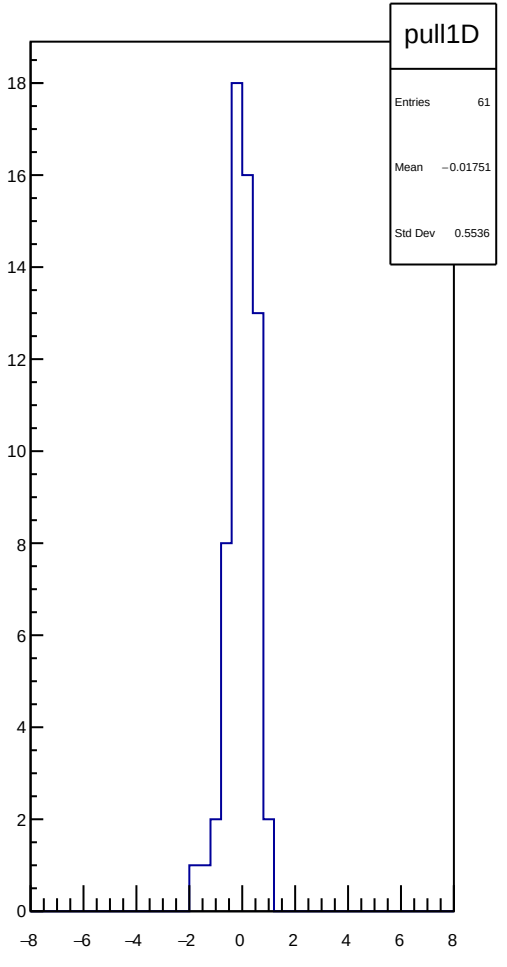

asym_bcm_an_ds3_rms vs run
χ² / ndf 1.969e+04 / 60
p0 188.8 ± 0.1743
280
260
240
220
200
180
160
140

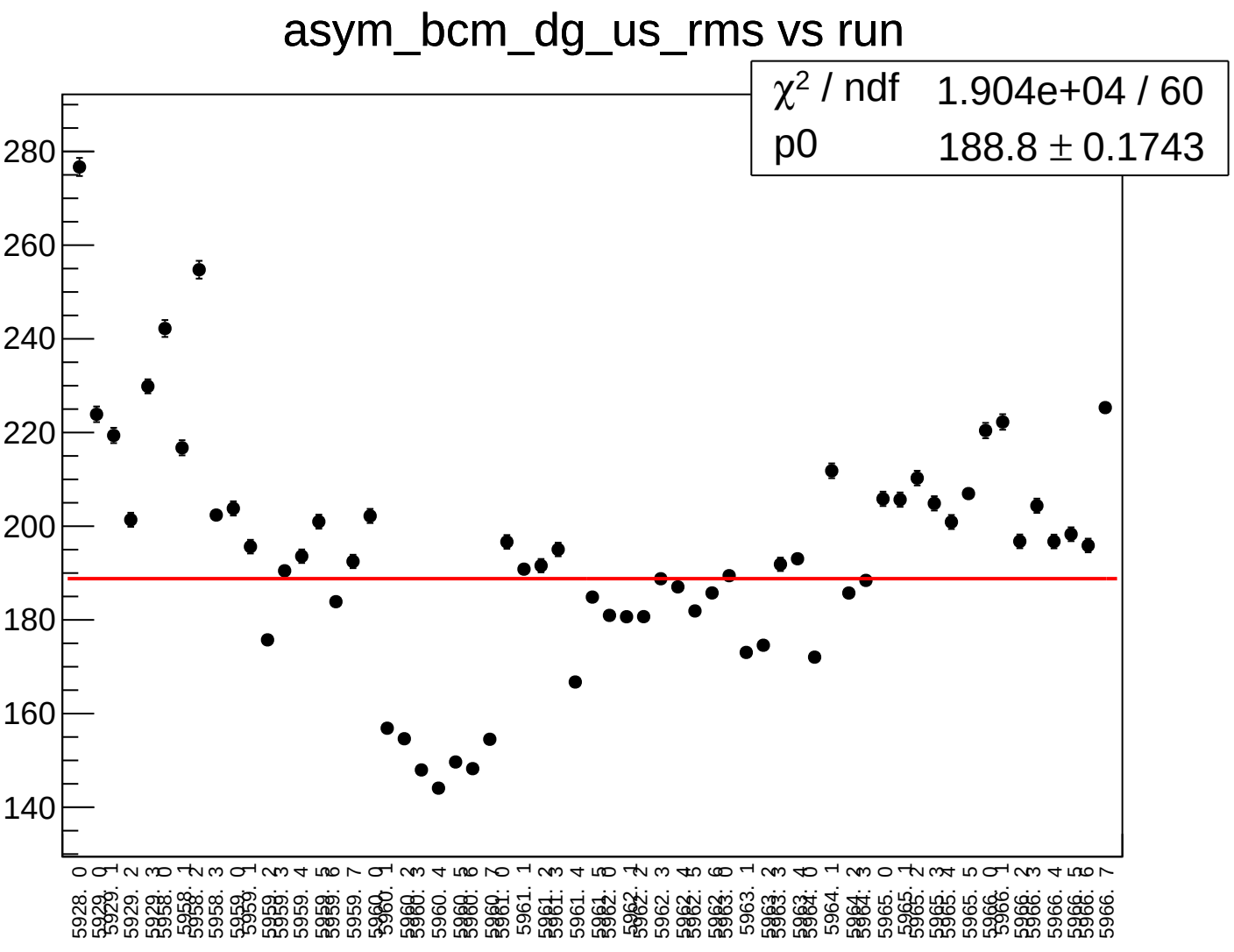

asym_bcm_an_us_mean vs run
χ² / ndf 16.94 / 60
p0 226.2 ± 246.3
pull
Entries 61
Mean 28.17
Std Dev 45.13

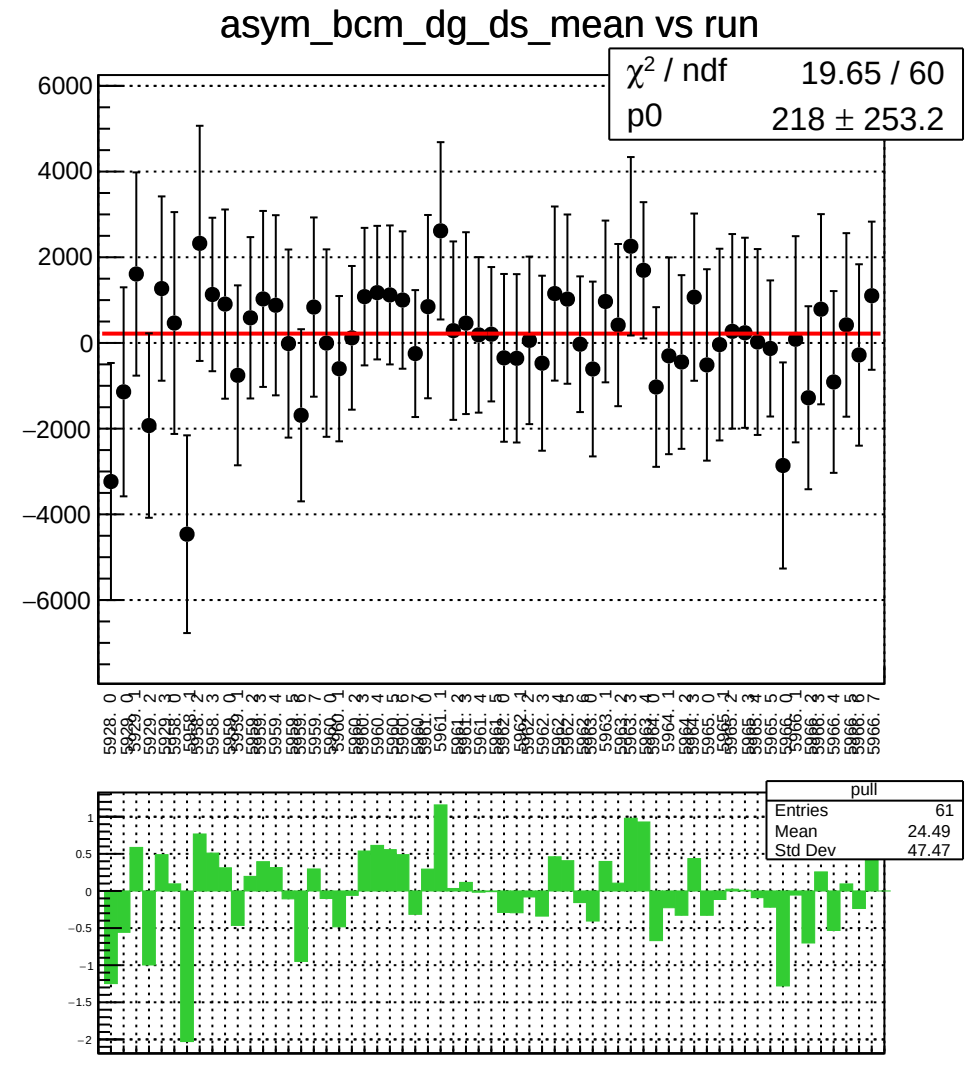

pull1D
Entries 61
Mean −0.01838
Std Dev 0.5266

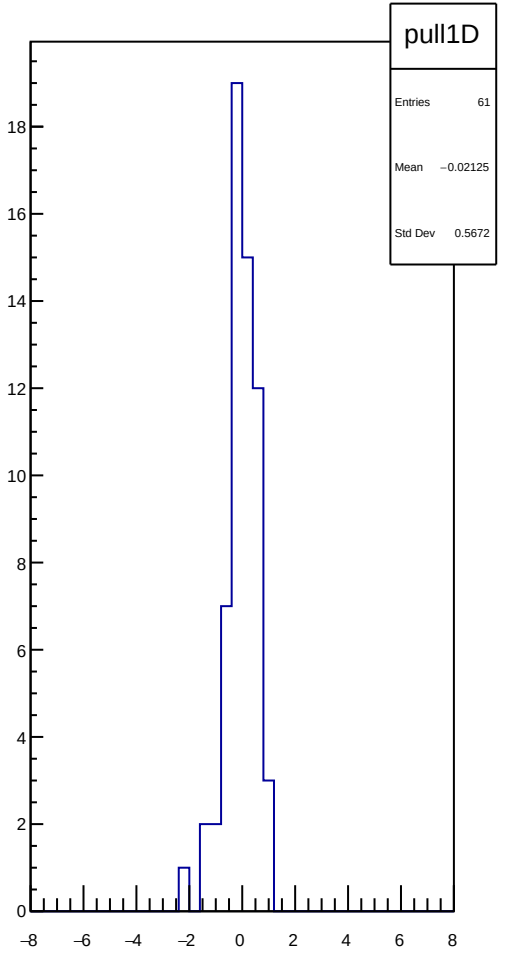

asym_bcm_an_us_rms vs run
χ² / ndf 1.948e+04 / 60
p0 188.7 ± 0.1742
280
260
240
220
200
180
160
140

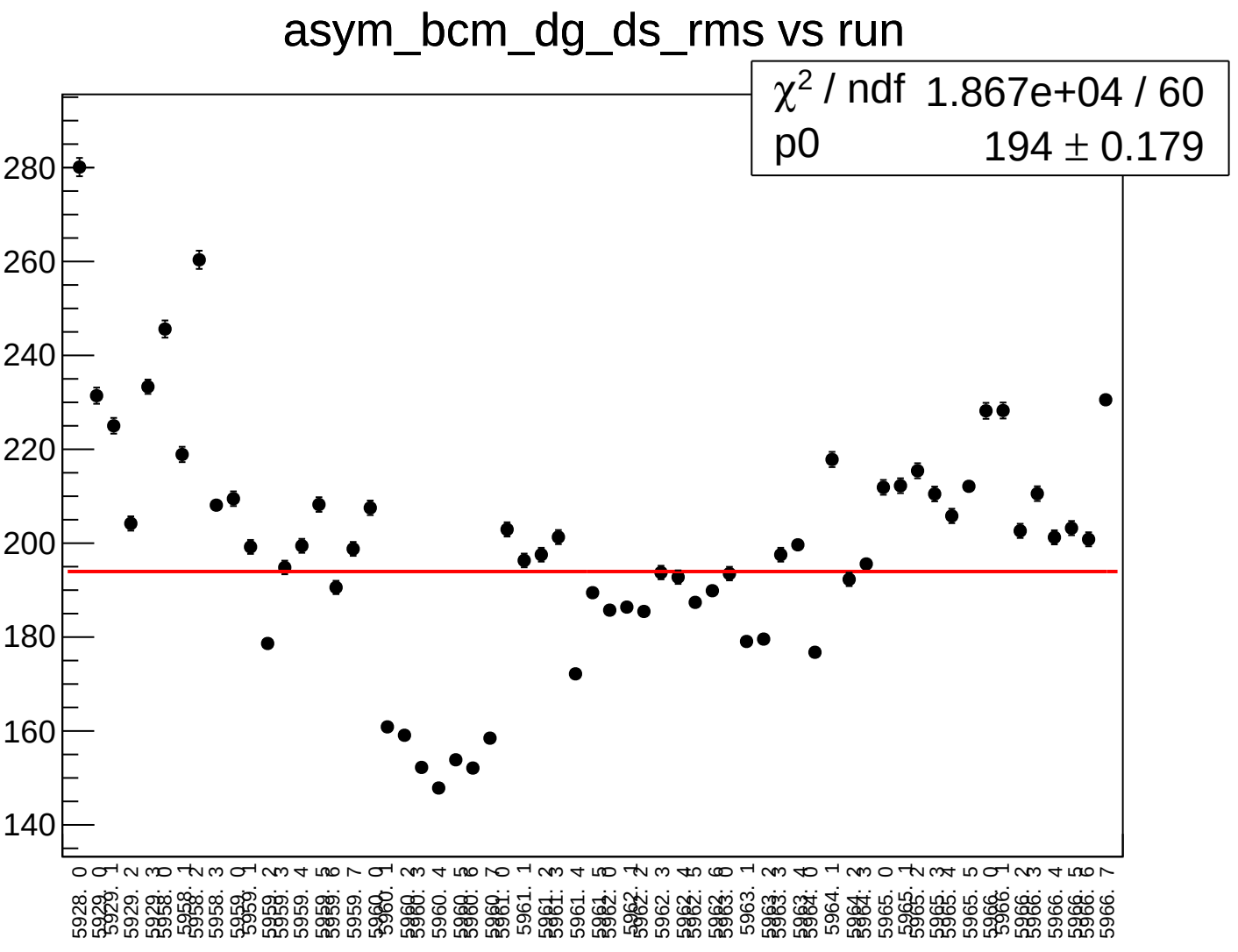

asym_bcm_dg_us_mean vs run
χ² / ndf 18.71 / 60
p0 197.4 ± 246.5
pull
Entries 61
Mean 35.49
Std Dev 49.1

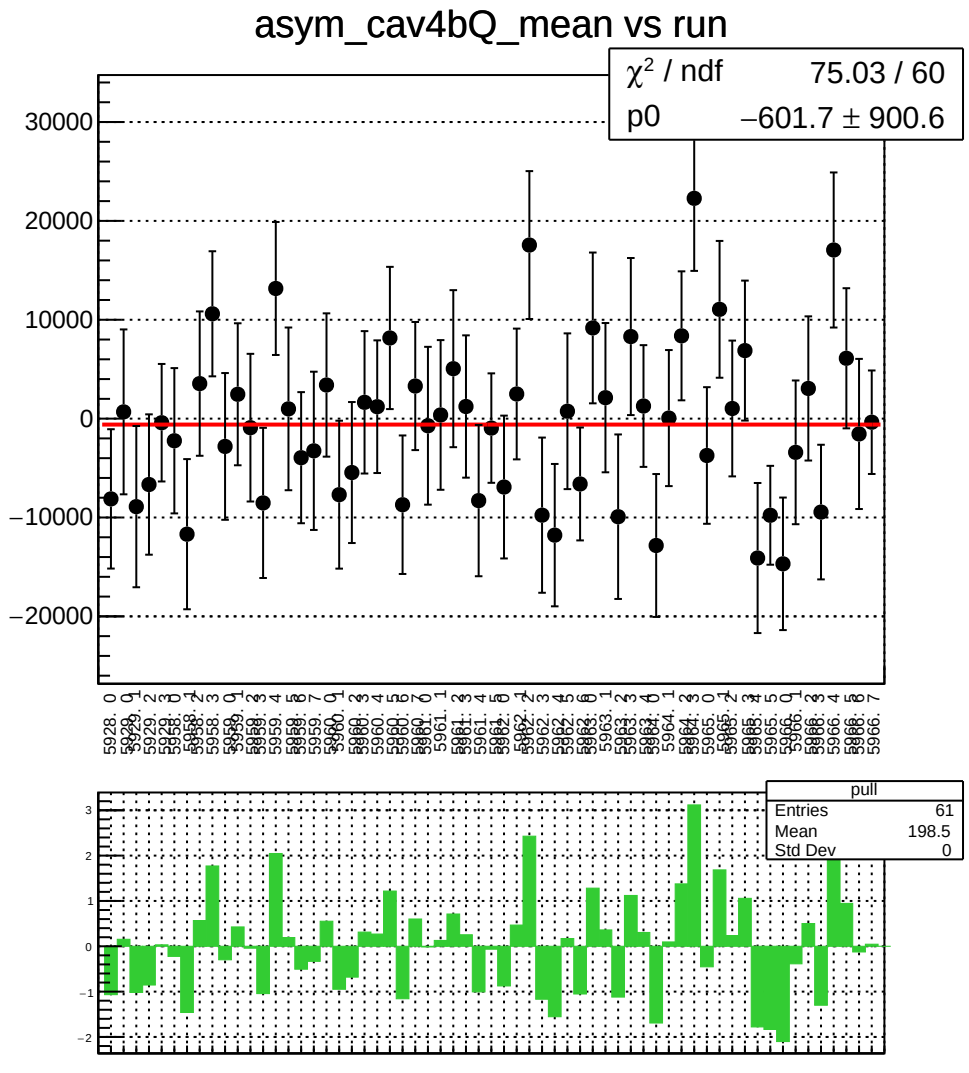

pull1D
Entries 61
Mean −0.01751
Std Dev 0.5536

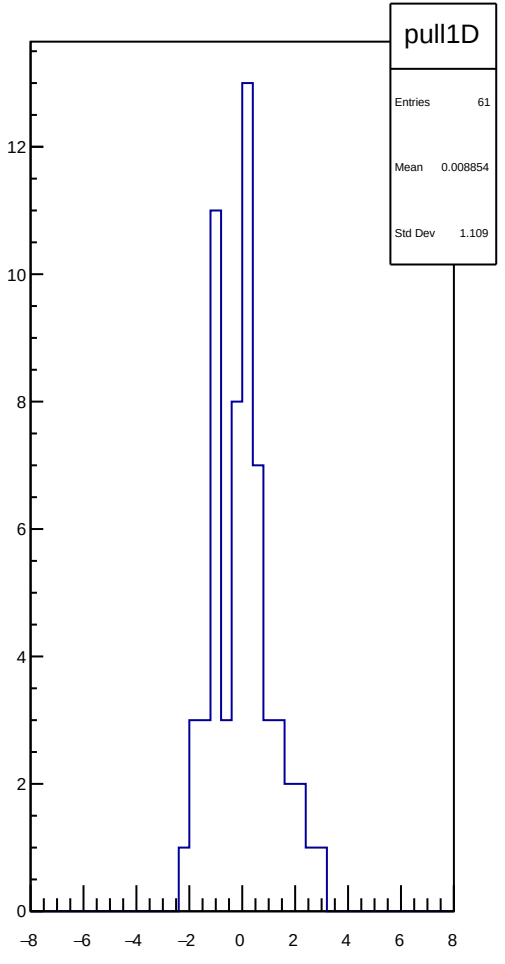

asym_bcm_dg_us_rms vs run
χ² / ndf 1.904e+04 / 60
p0 188.8 ± 0.1743
280
260
240
220
200
180
160
140

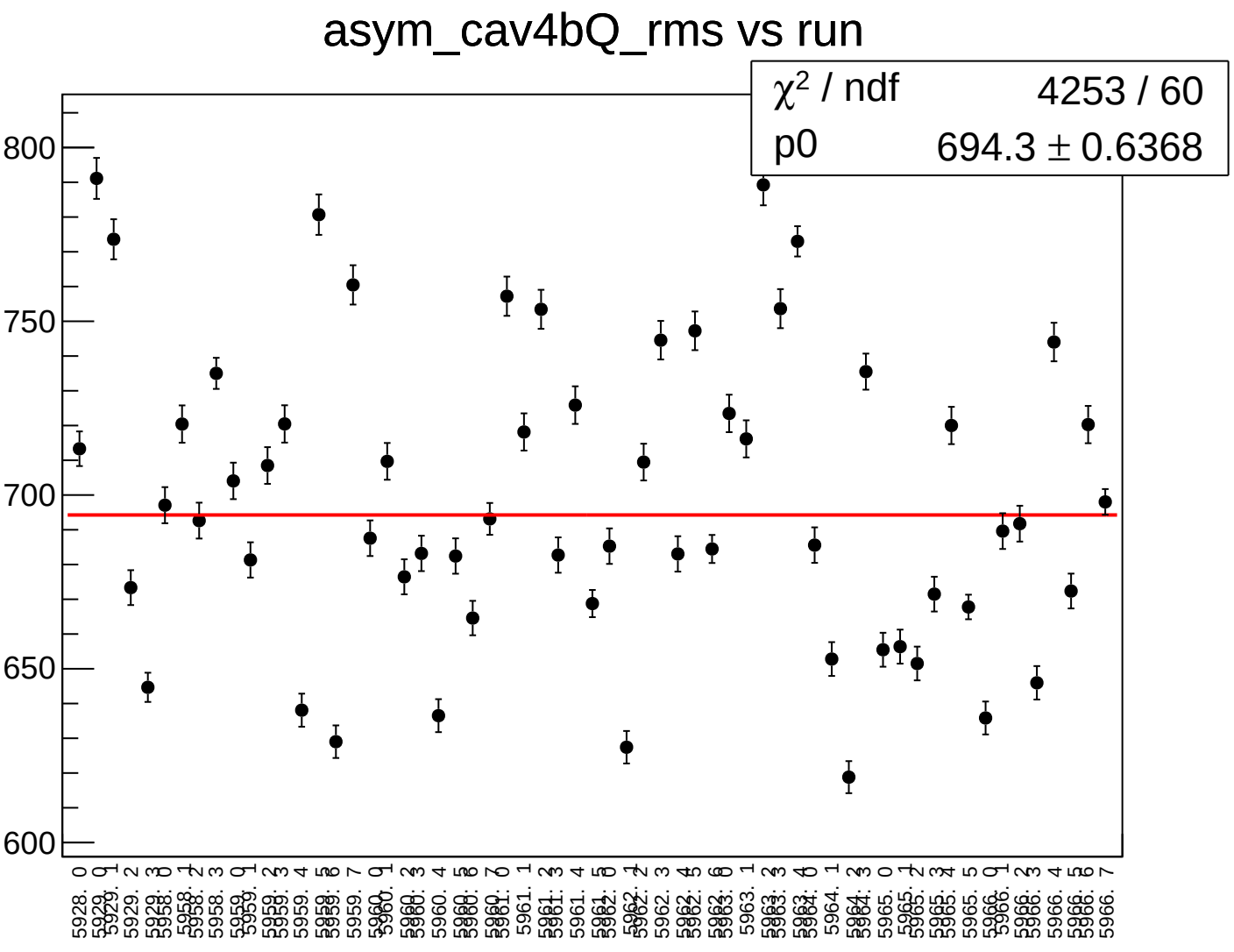

asym_bcm_dg_ds_mean vs run
χ² / ndf 19.65 / 60
p0 218 ± 253.2
pull
Entries 61
Mean 24.49
Std Dev 47.47

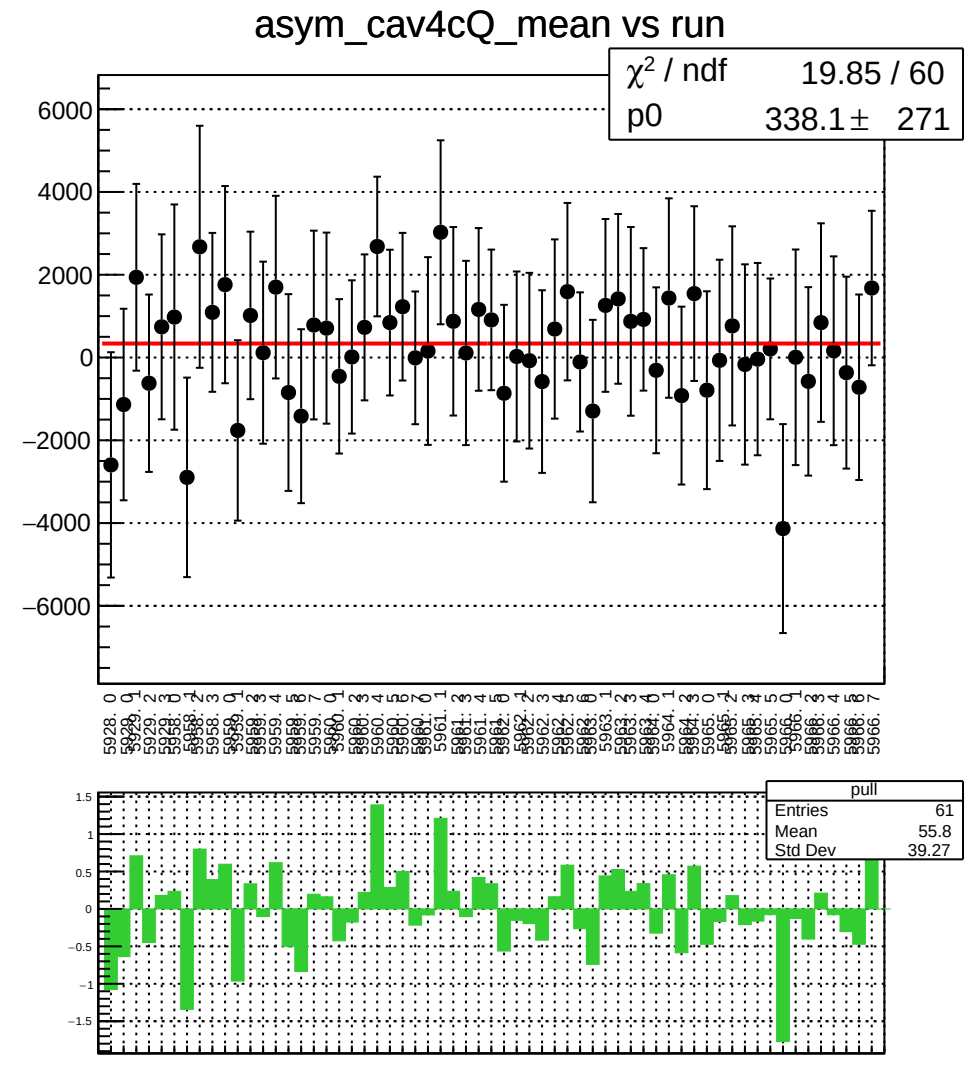

pull1D
Entries 61
Mean −0.02125
Std Dev 0.5672

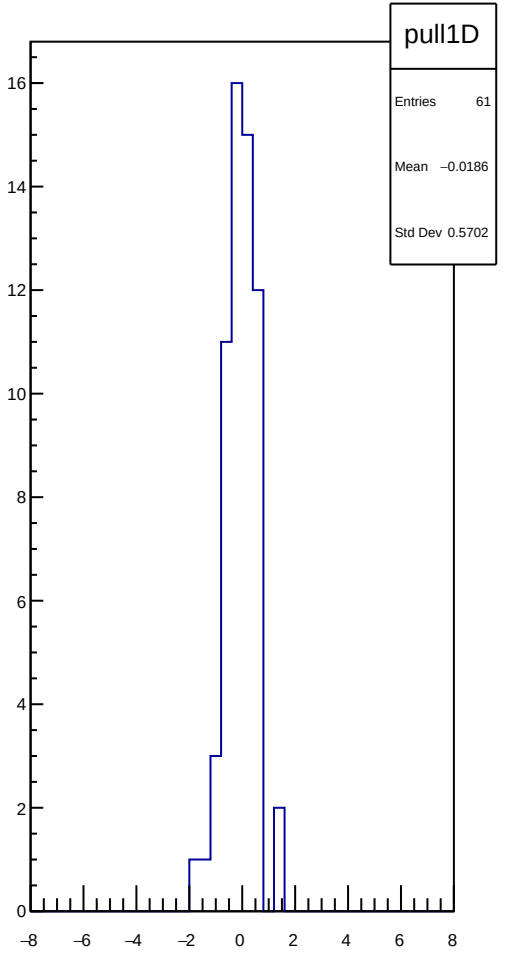

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.867e+04 / 60
p0 194 ± 0.179
280
260
240
220
200
180
160
140

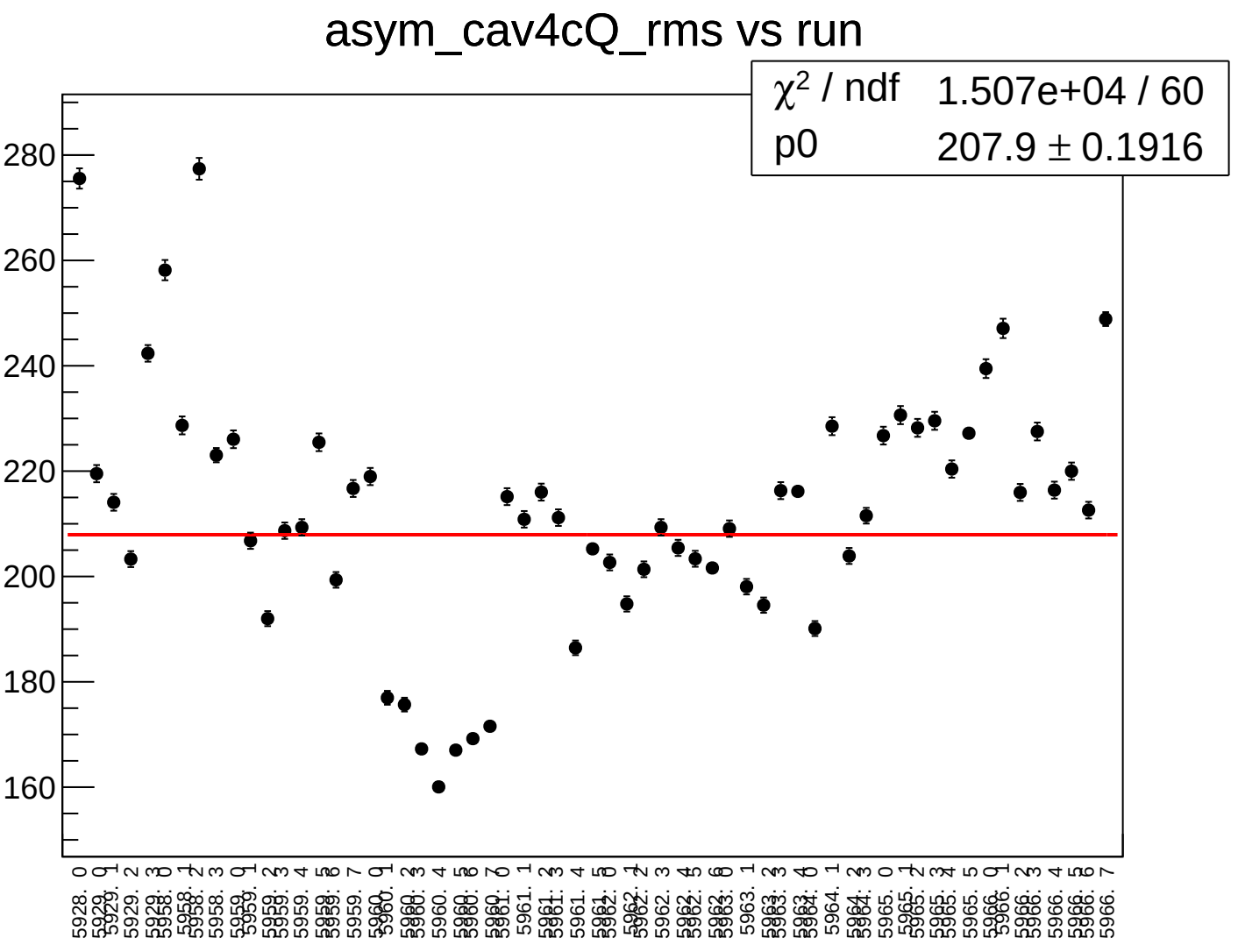

asym_cav4bQ_mean vs run
χ² / ndf 75.03 / 60
p0 −601.7 ± 900.6
pull
Entries 61
Mean 198.5
Std Dev 0

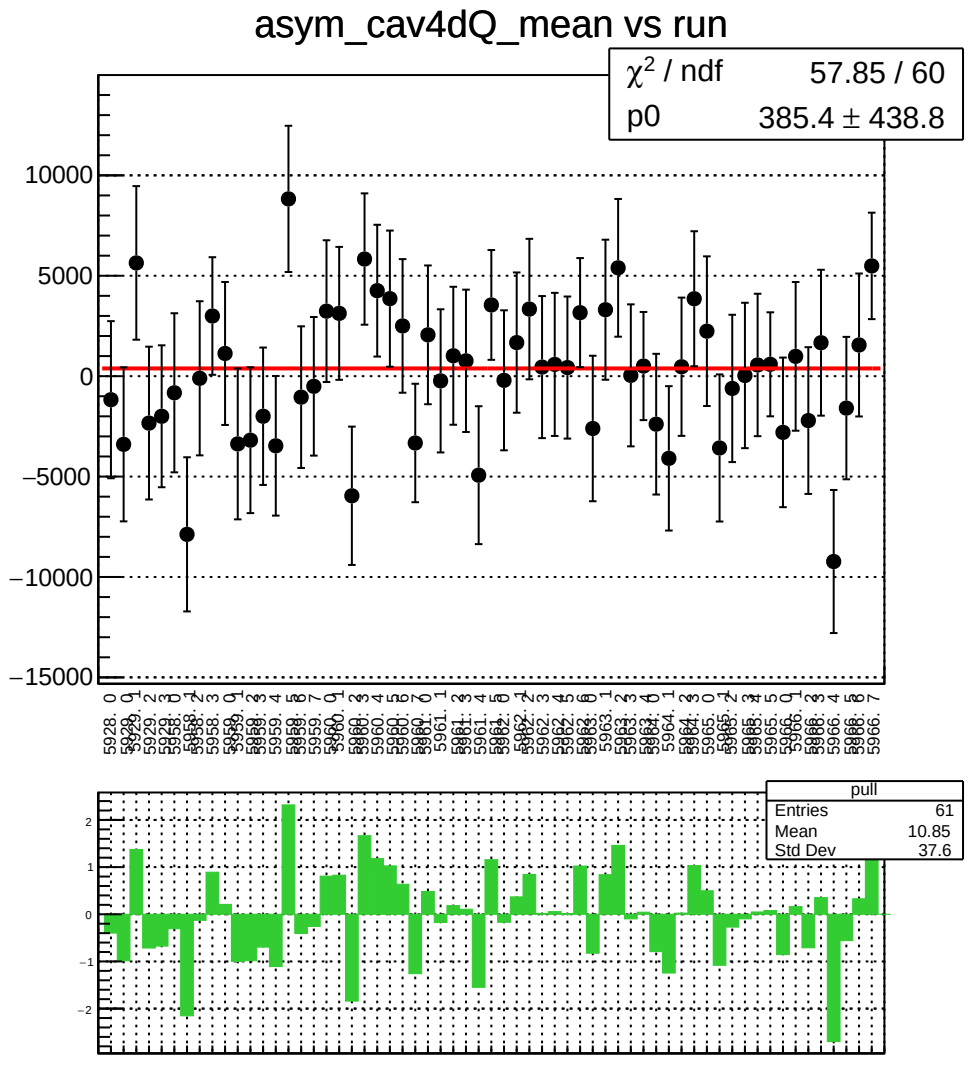

pull1D
Entries 61
Mean 0.008854
Std Dev 1.109

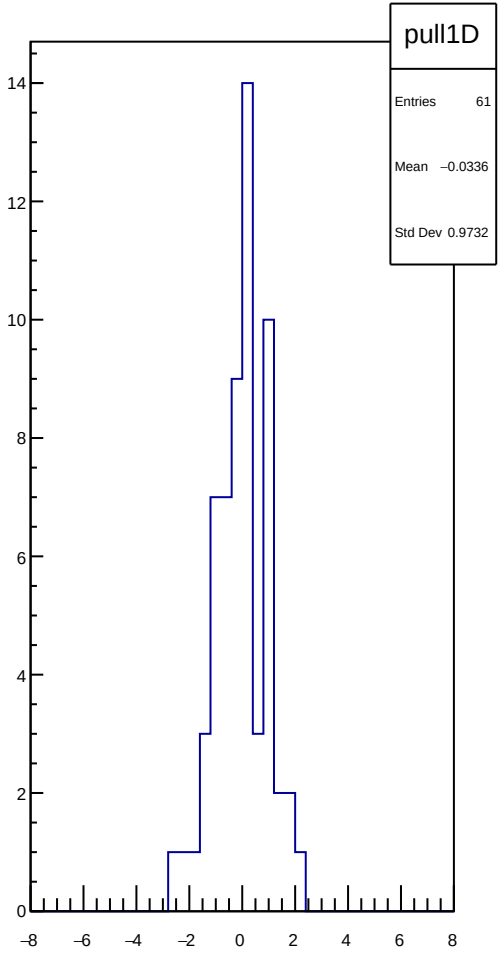

asym_cav4bQ_rms vs run
χ² / ndf 4253 / 60
p0 694.3 ± 0.6368
800
750
700
650
600

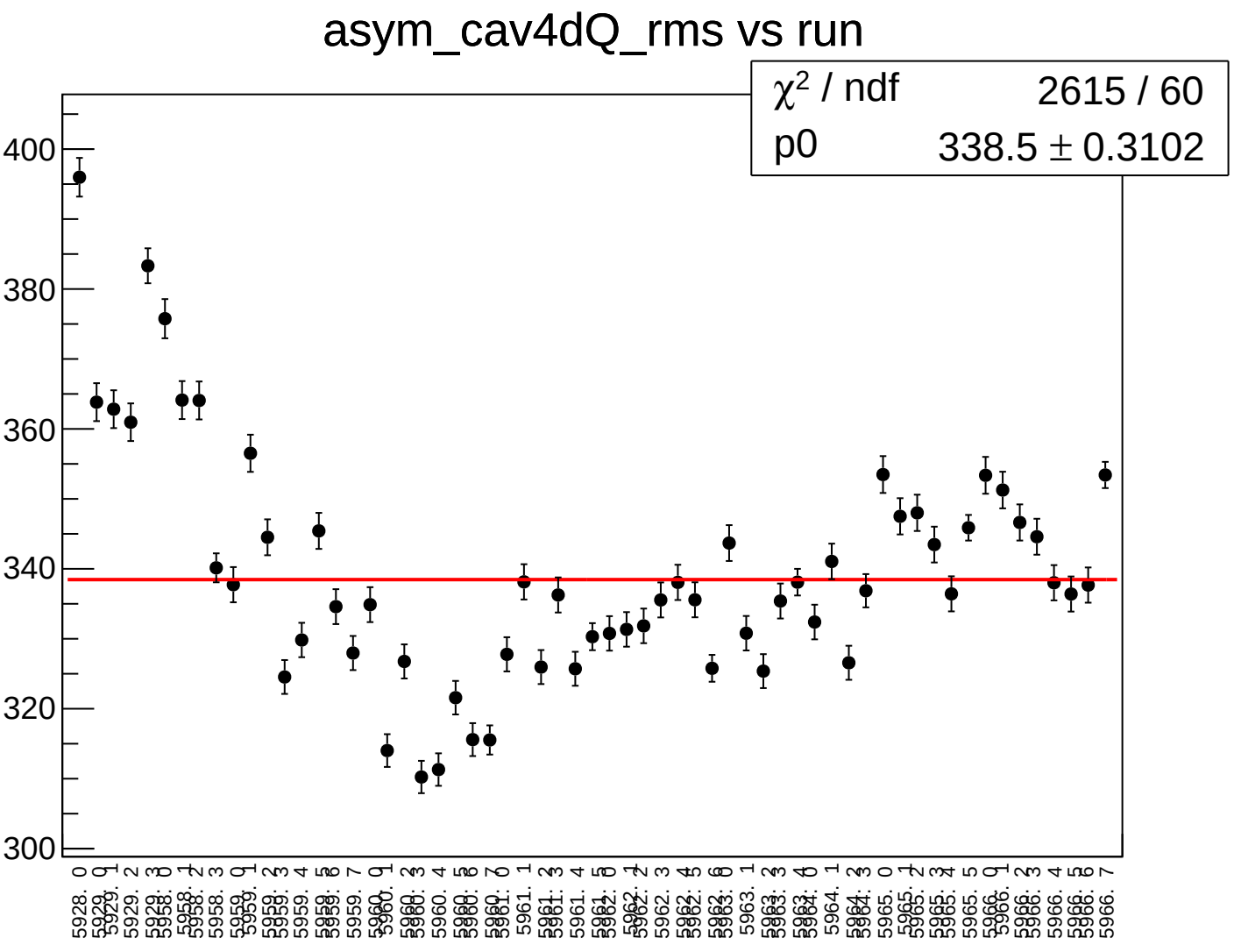

asym_cav4cQ_mean vs run
χ² / ndf 19.85 / 60
p0 338.1 ± 271
pull
Entries 61
Mean 55.8
Std Dev 39.27

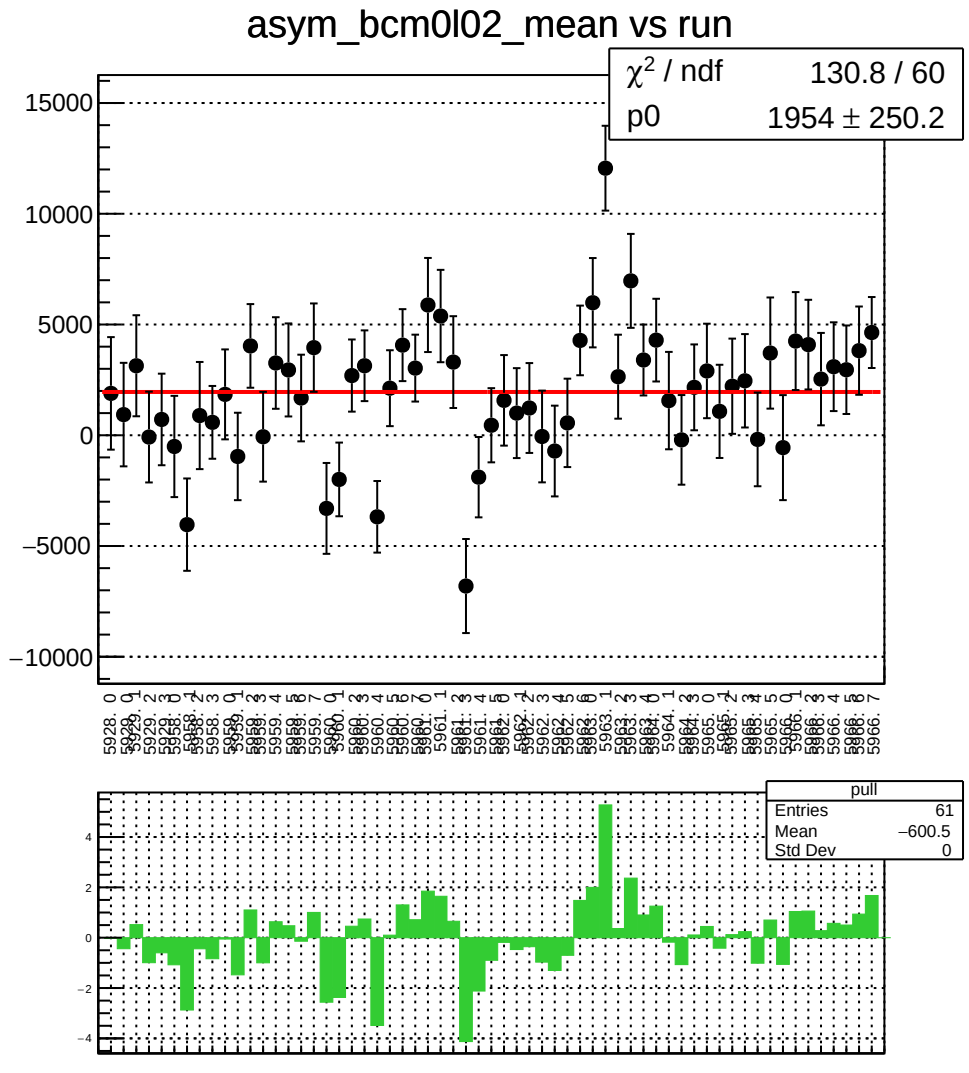

pull1D
Entries 61
Mean −0.0186
Std Dev 0.5702

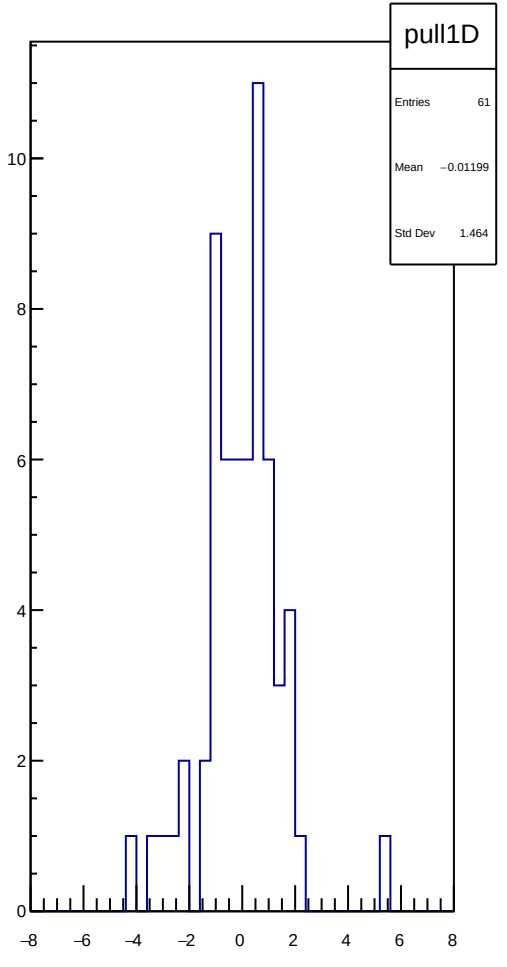

asym_cav4cQ_rms vs run
χ² / ndf 1.507e+04 / 60
p0 207.9 ± 0.1916
280
260
240
220
200
180
160

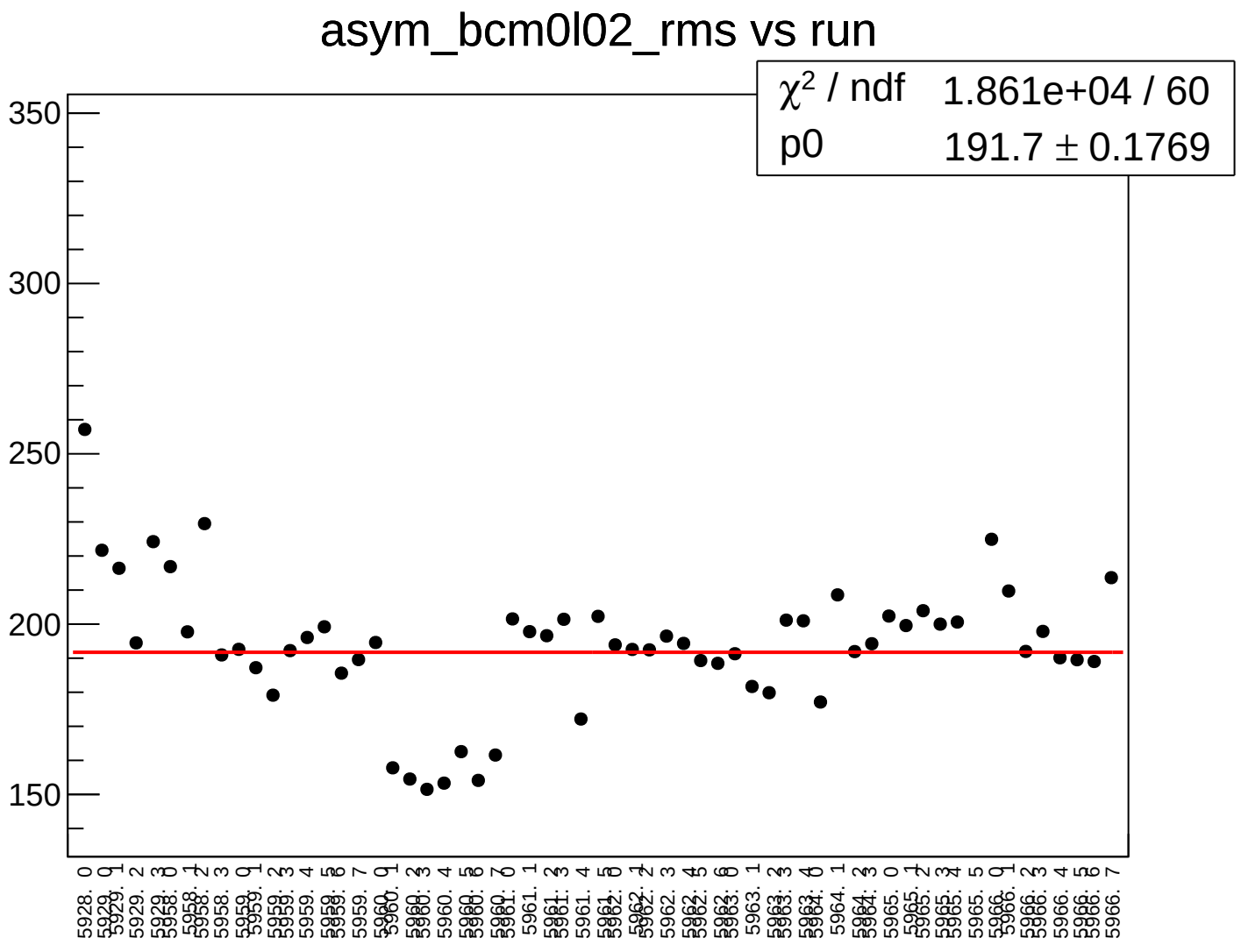

asym_cav4dQ_mean vs run
χ² / ndf 57.85 / 60
p0 385.4 ± 438.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean 10.85
Std Dev 37.6
2
1
0
−1
−2

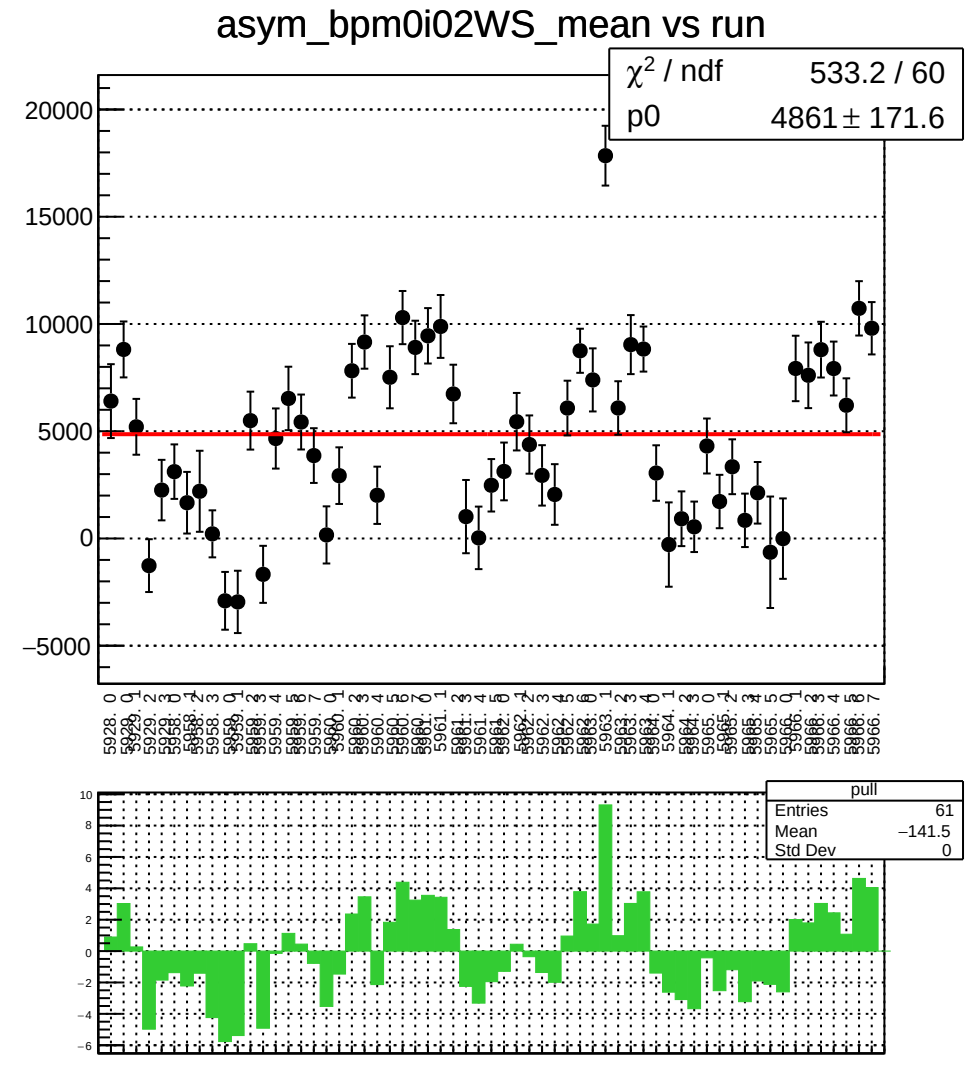

pull1D
Entries 61
Mean −0.0336
Std Dev 0.9732
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

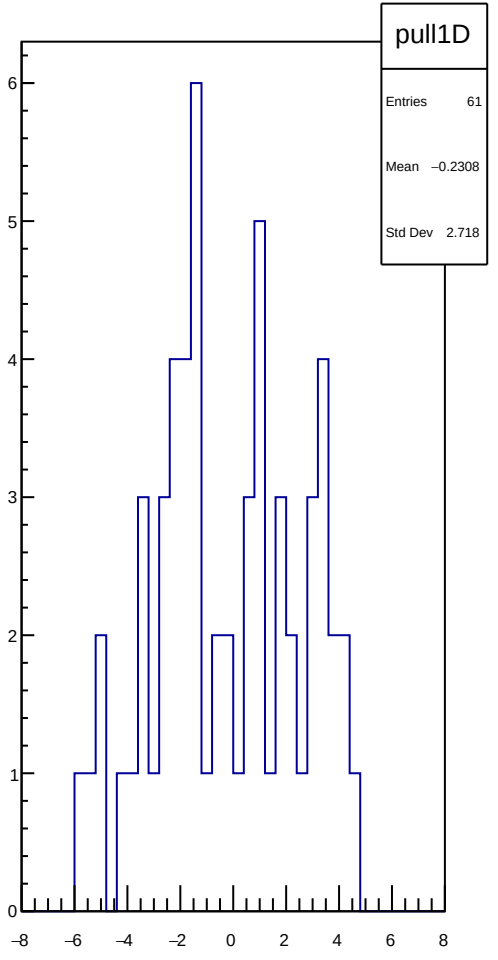

asym_cav4dQ_rms vs run
χ² / ndf 2615 / 60
p0 338.5 ± 0.3102
400
380
360
340
320
300

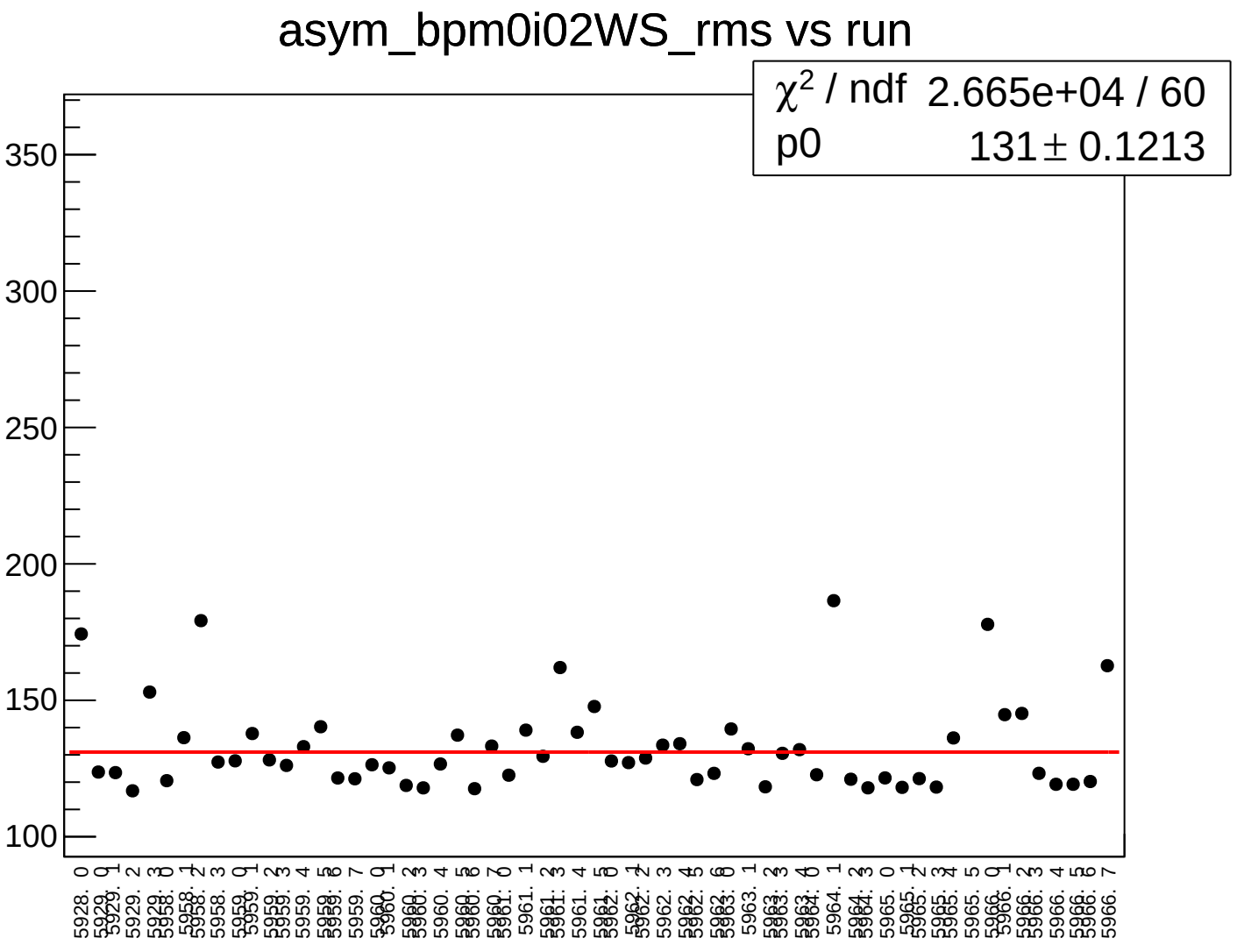

asym_bcm0l02_mean vs run
χ² / ndf 130.8 / 60
p0 1954 ± 250.2
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −600.5
Std Dev 0
4
2
0
−2
−4

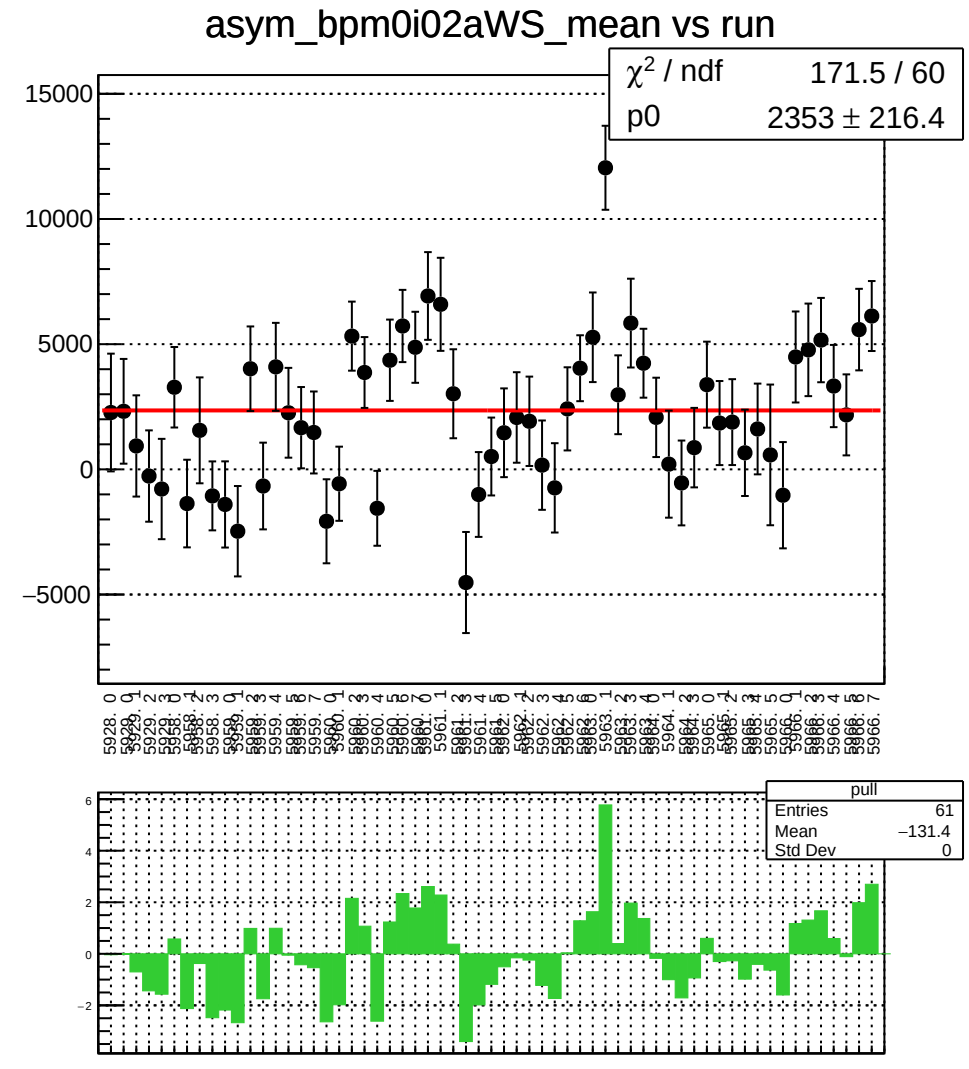

pull1D
Entries 61
Mean −0.01199
Std Dev 1.464
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

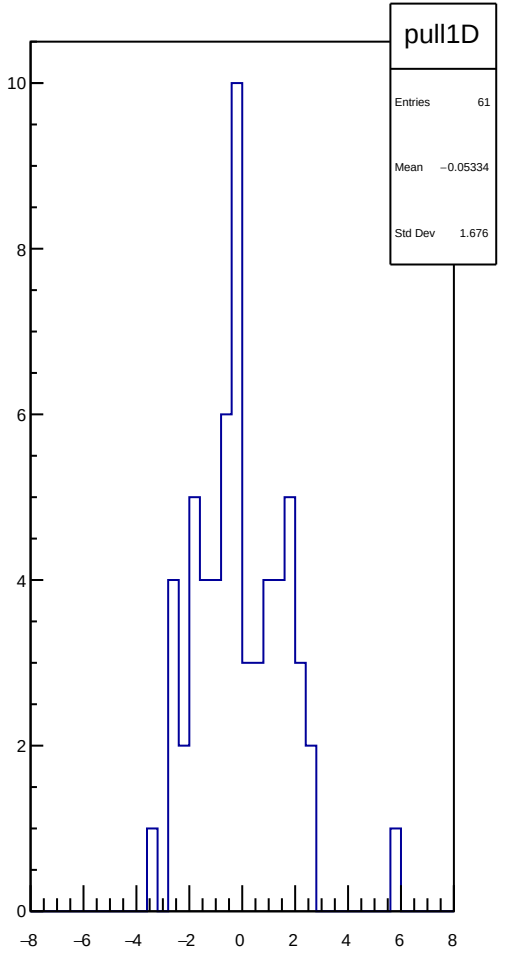

asym_bcm0l02_rms vs run
χ² / ndf 1.861e+04 / 60
p0 191.7 ± 0.1769
350
300
250
200
150

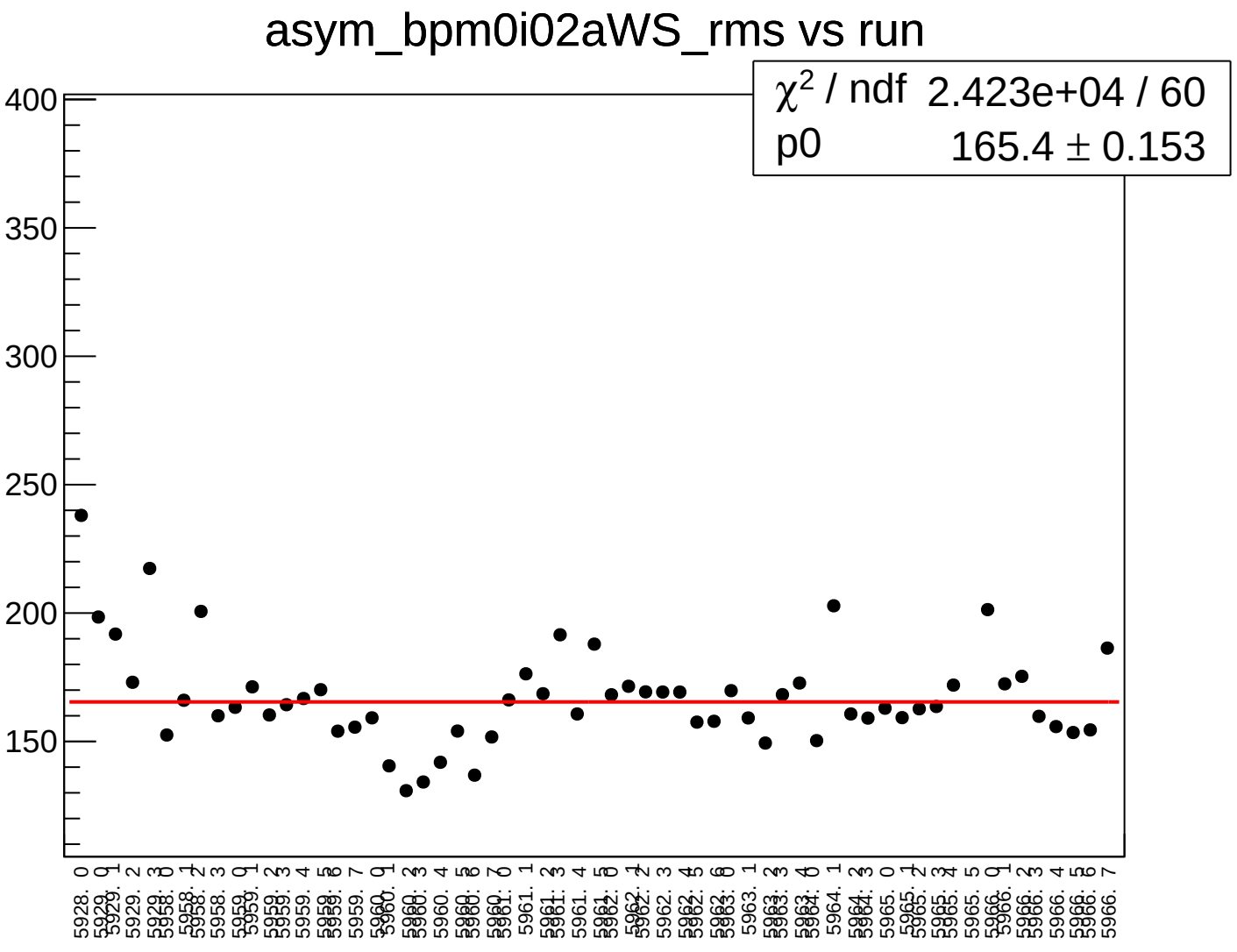

asym_bpm0i02WS_mean vs run
χ² / ndf 533.2 / 60
p0 4861 ± 171.6
pull
Entries 61
Mean −141.5
Std Dev 0

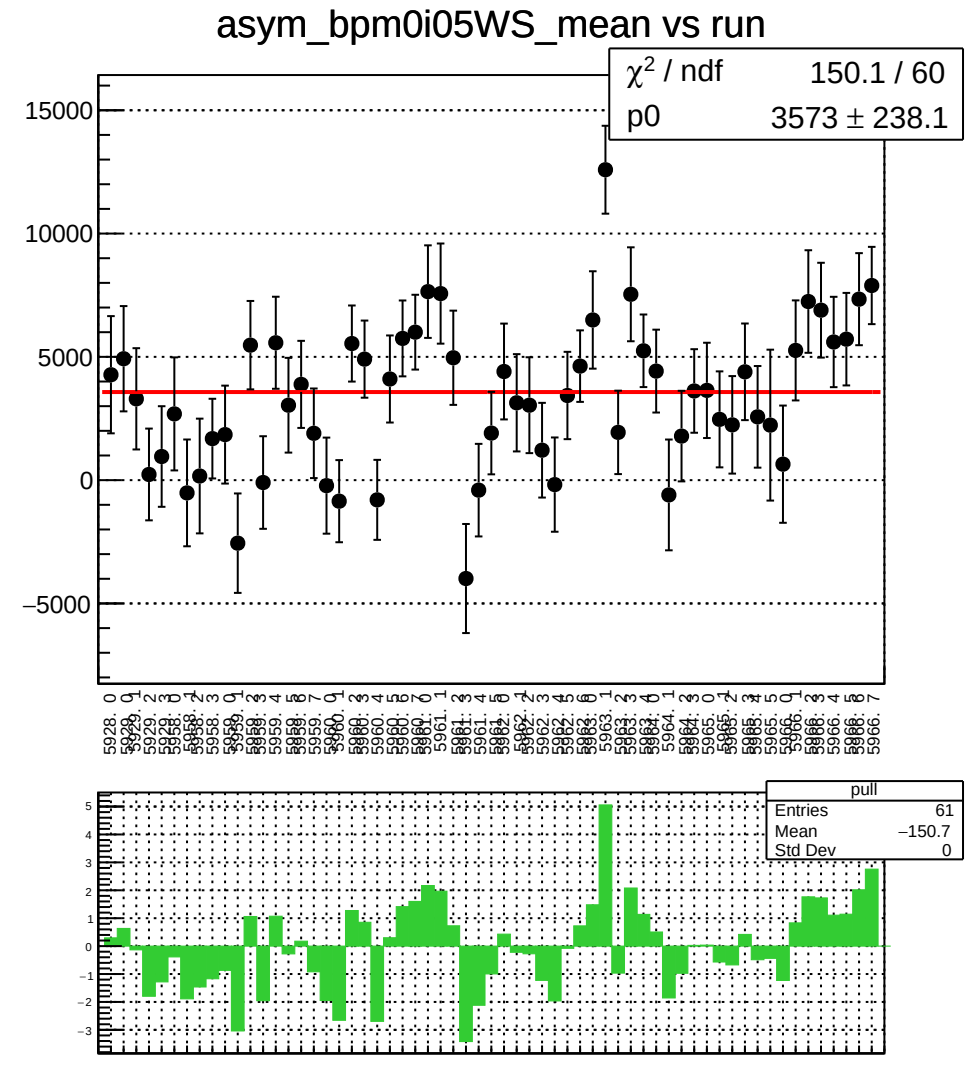

pull1D
Entries 61
Mean −0.2308
Std Dev 2.718

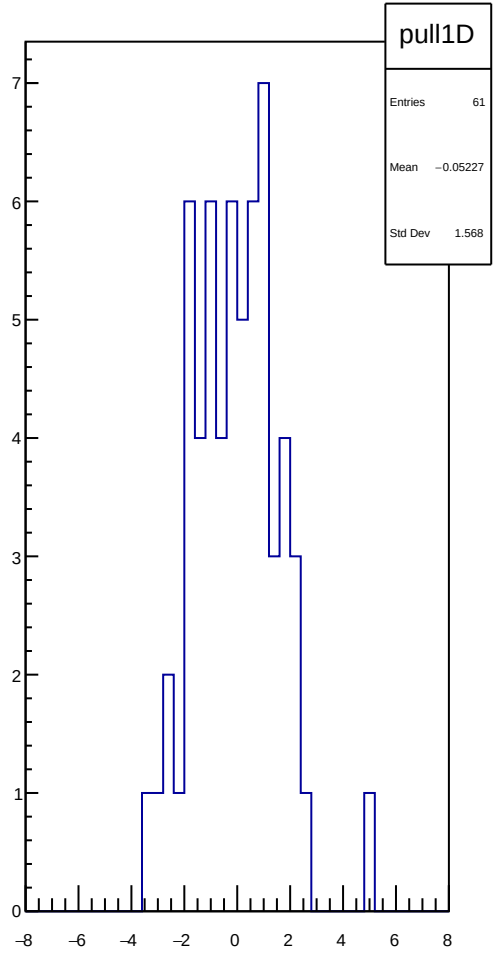

asym_bpm0i02WS_rms vs run
χ² / ndf 2.665e+04 / 60
p0 131 ± 0.1213
350
300
250
200
150
100

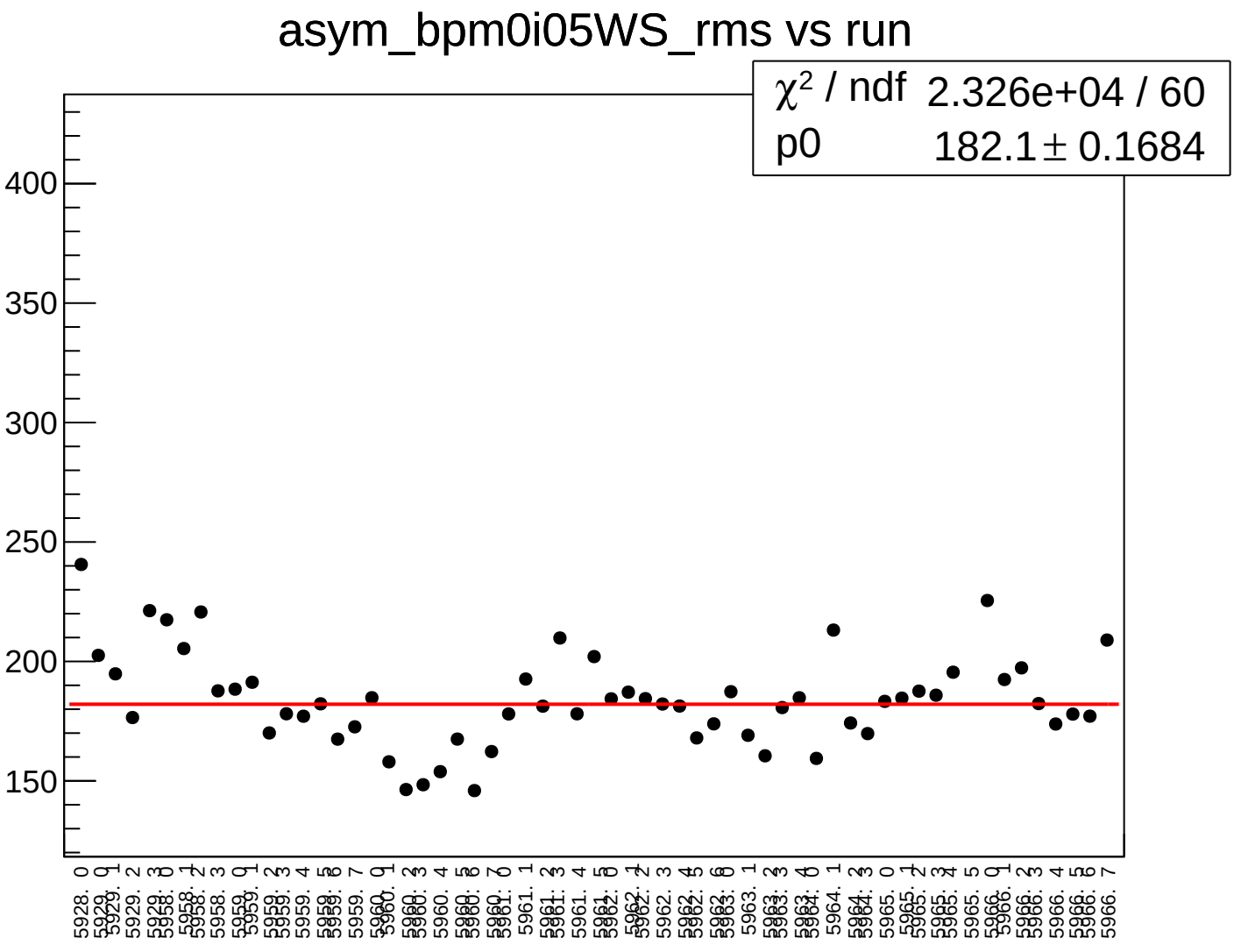

asym_bpm0i02aWS_mean vs run
χ² / ndf 171.5 / 60
p0 2353 ± 216.4
15000
10000
5000
0
−5000
pull
Entries 61
Mean −131.4
Std Dev 0
6
4
2
0
−2

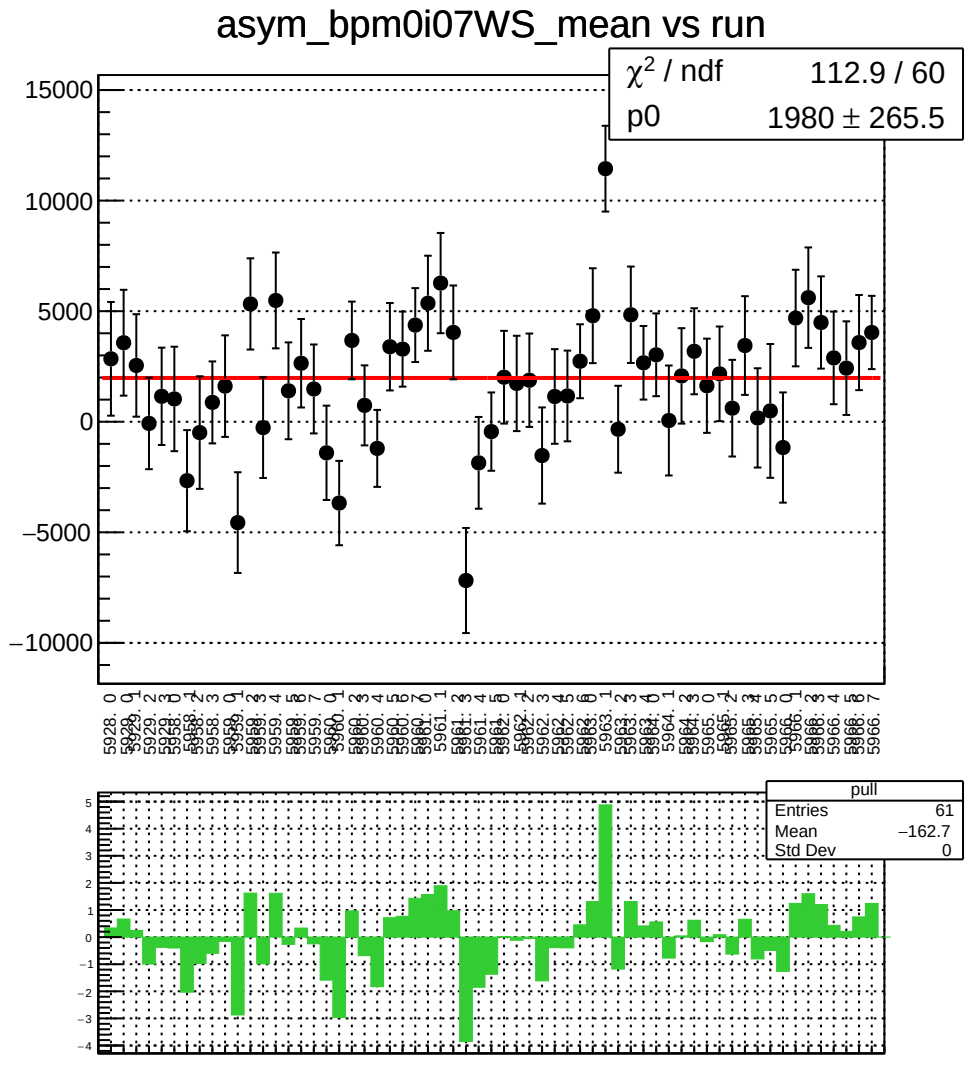

pull1D
Entries 61
Mean −0.05334
Std Dev 1.676
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

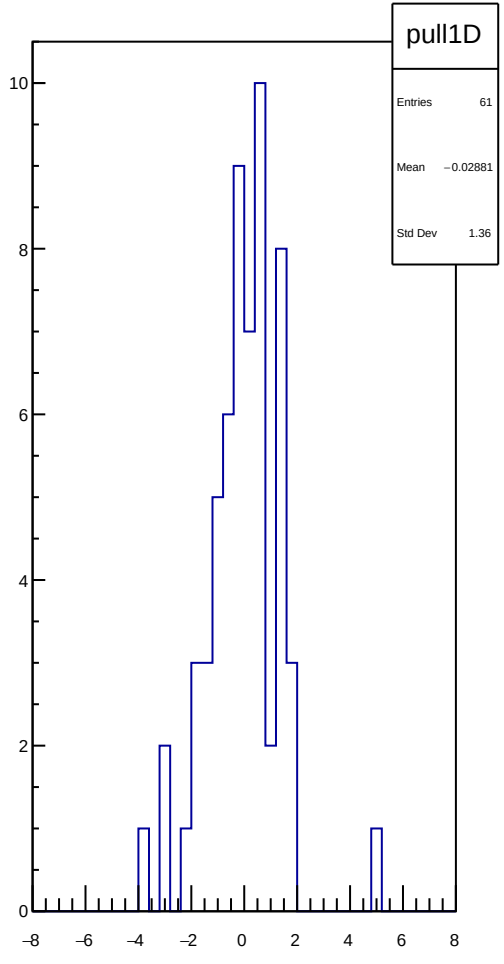

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.423e+04 / 60
p0 165.4 ± 0.153
400
350
300
250
200
150

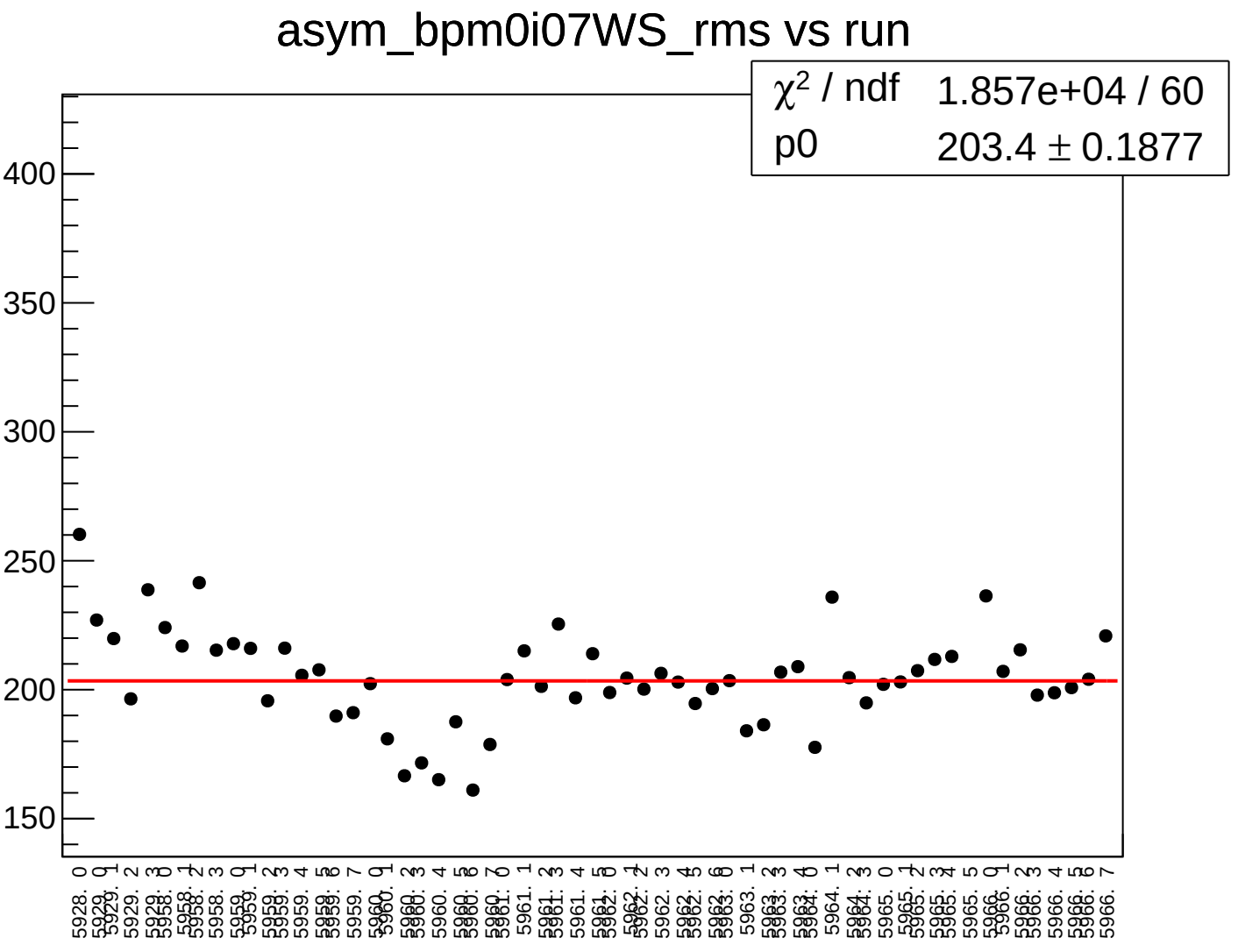

asym_bpm0i05WS_mean vs run
χ² / ndf 150.1 / 60
p0 3573 ± 238.1
15000
10000
5000
0
−5000
pull
Entries 61
Mean −150.7
Std Dev 0

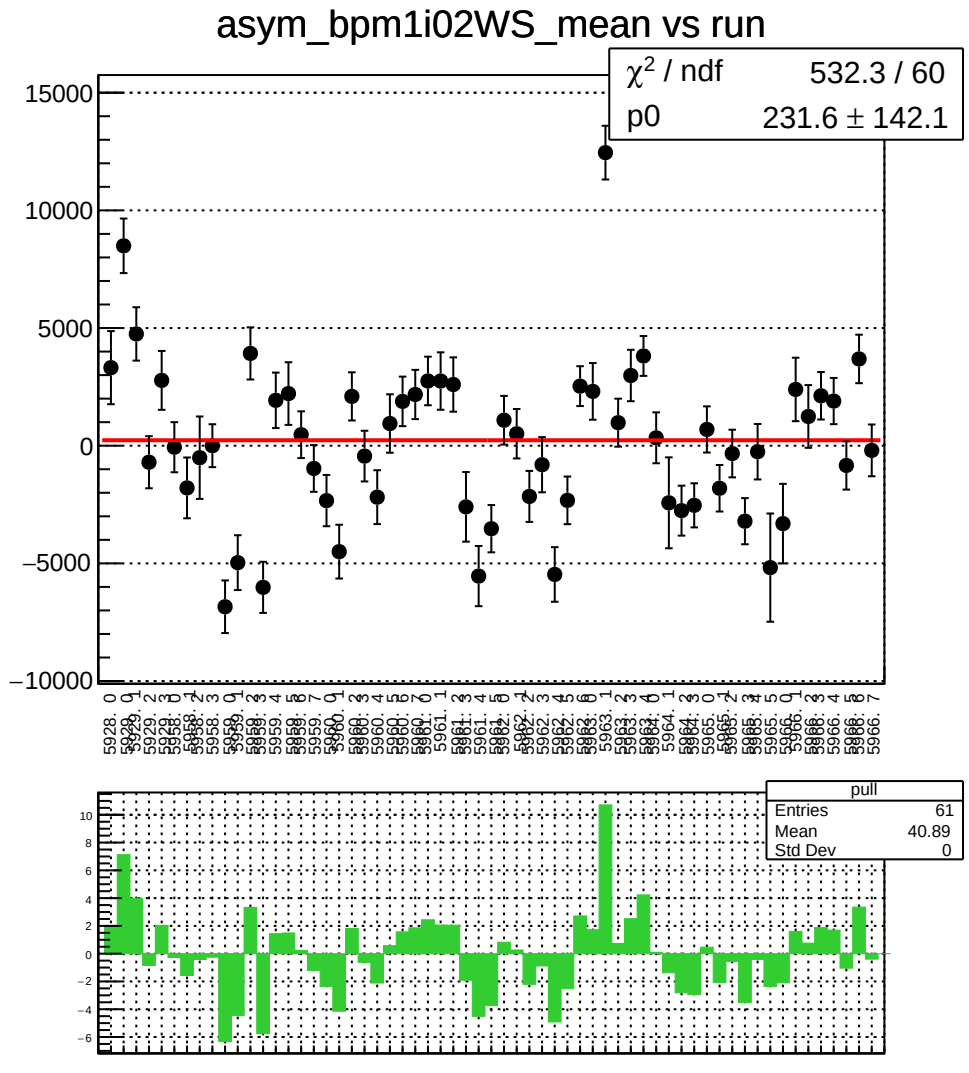

pull1D
Entries 61
Mean −0.05227
Std Dev 1.568

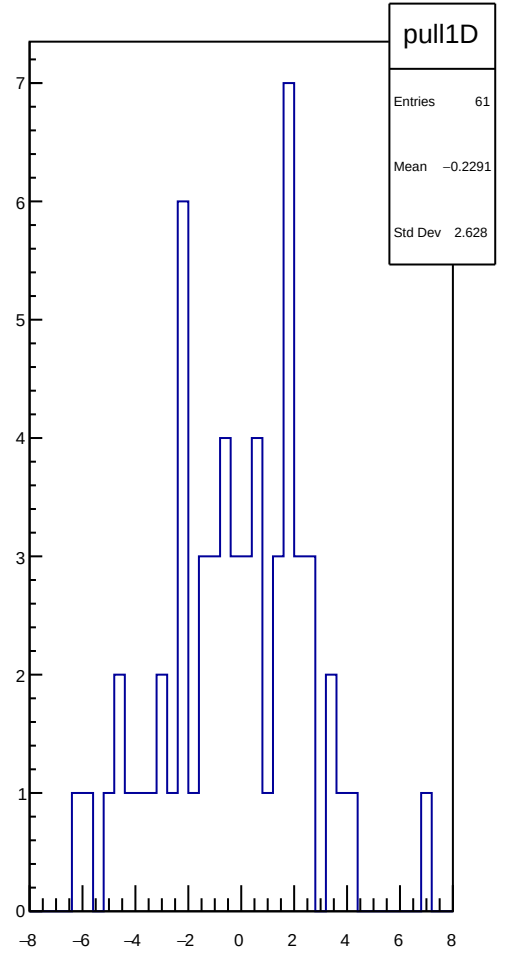

asym_bpm0i05WS_rms vs run
χ² / ndf 2.326e+04 / 60
p0 182.1 ± 0.1684
400
350
300
250
200
150

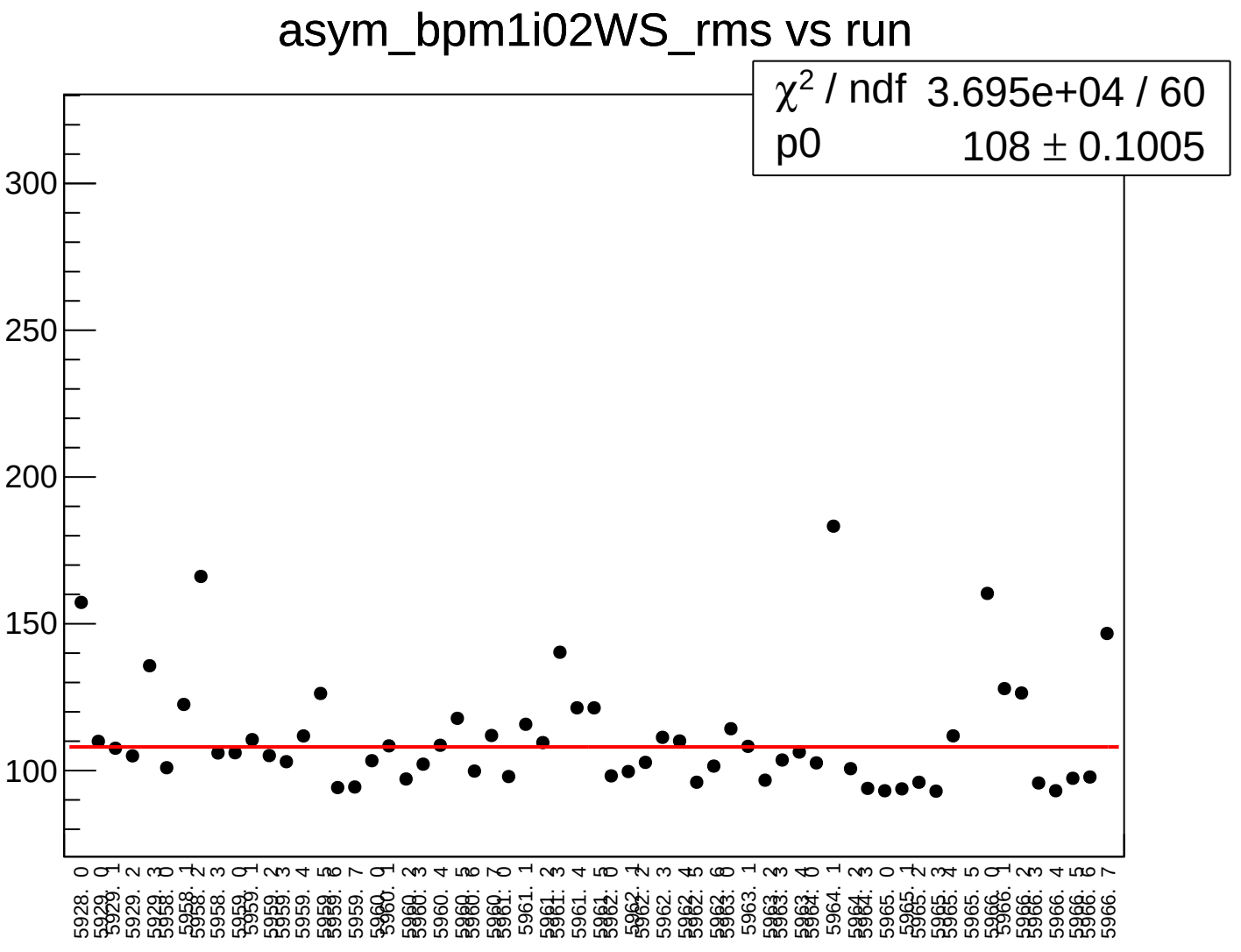

asym_bpm0i07WS_mean vs run
χ² / ndf 112.9 / 60
p0 1980 ± 265.5
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −162.7
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
−4

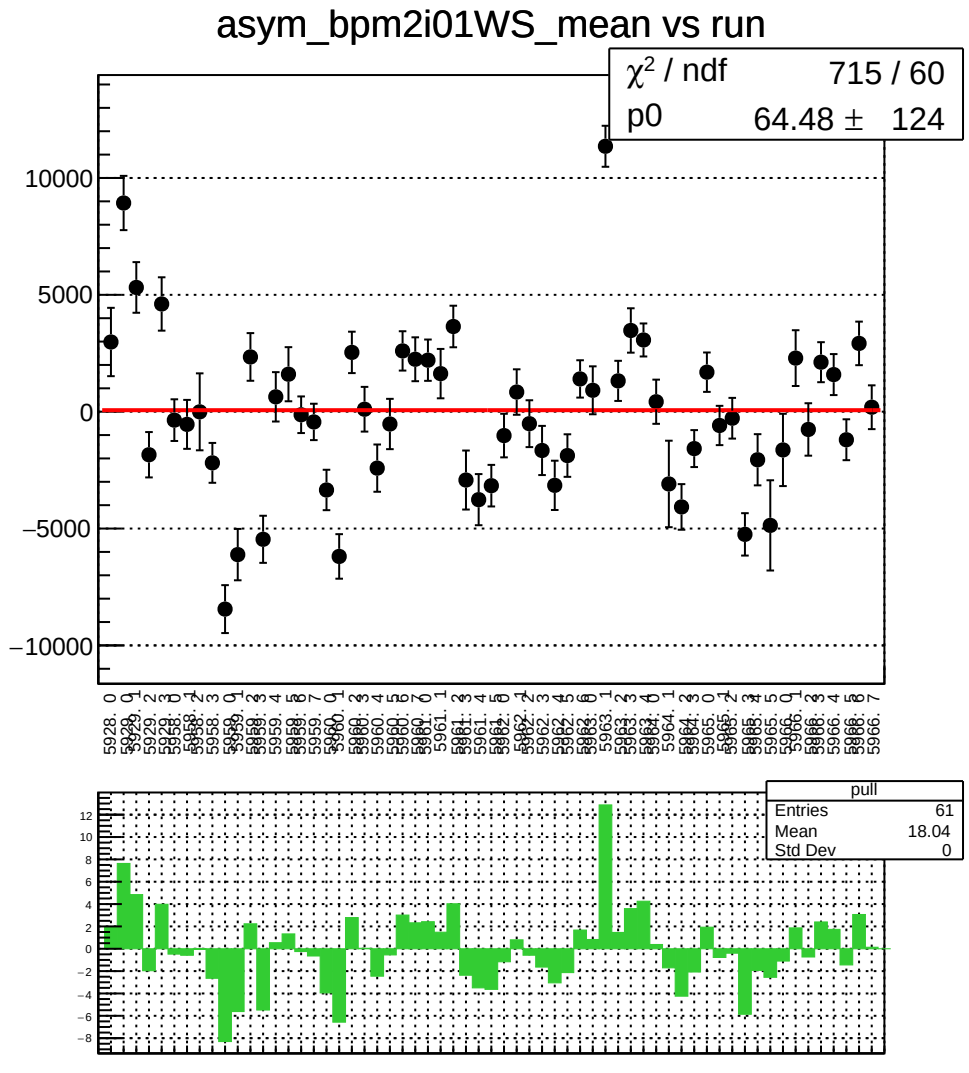

pull1D
Entries 61
Mean −0.02881
Std Dev 1.36
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

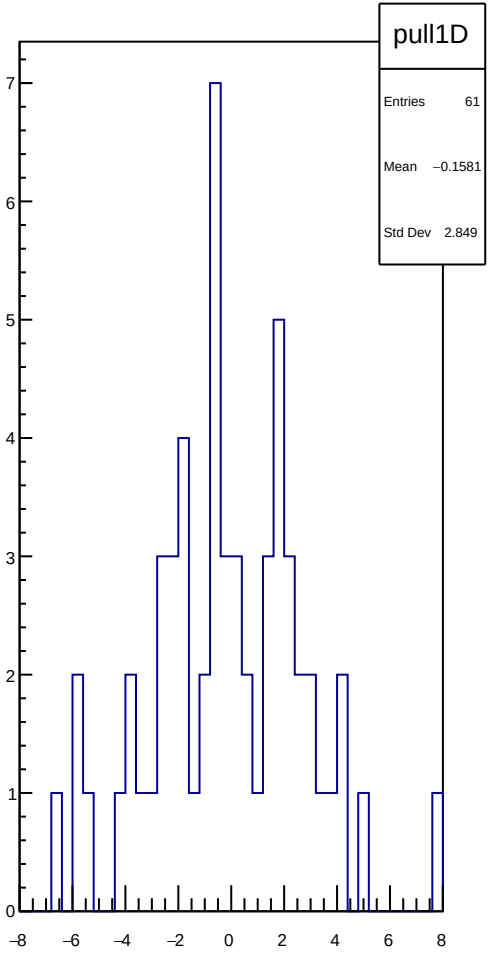

asym_bpm0i07WS_rms vs run
χ² / ndf 1.857e+04 / 60
p0 203.4 ± 0.1877
400
350
300
250
200
150

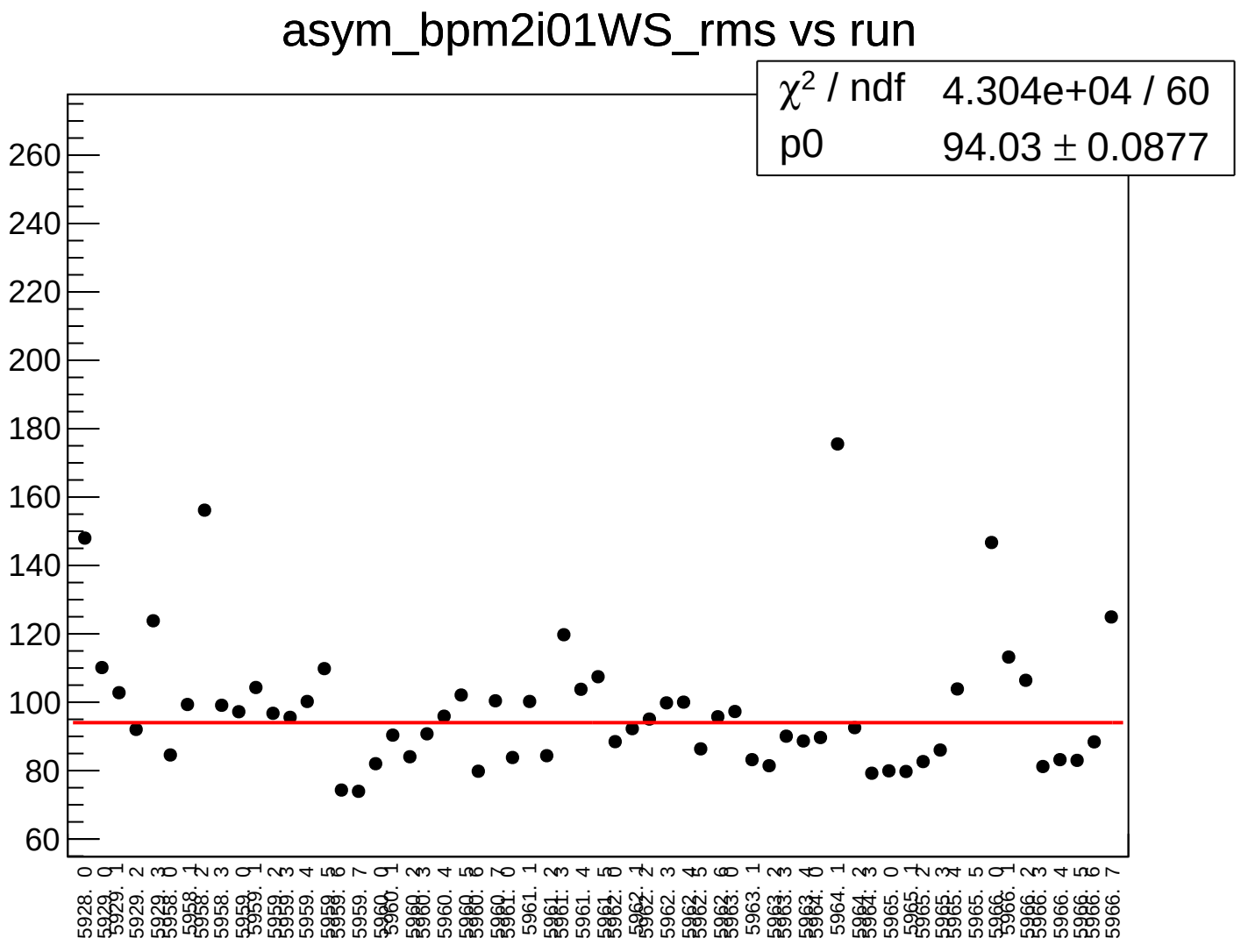

asym_bpm1i02WS_mean vs run
χ² / ndf 532.3 / 60
p0 231.6 ± 142.1
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 40.89
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

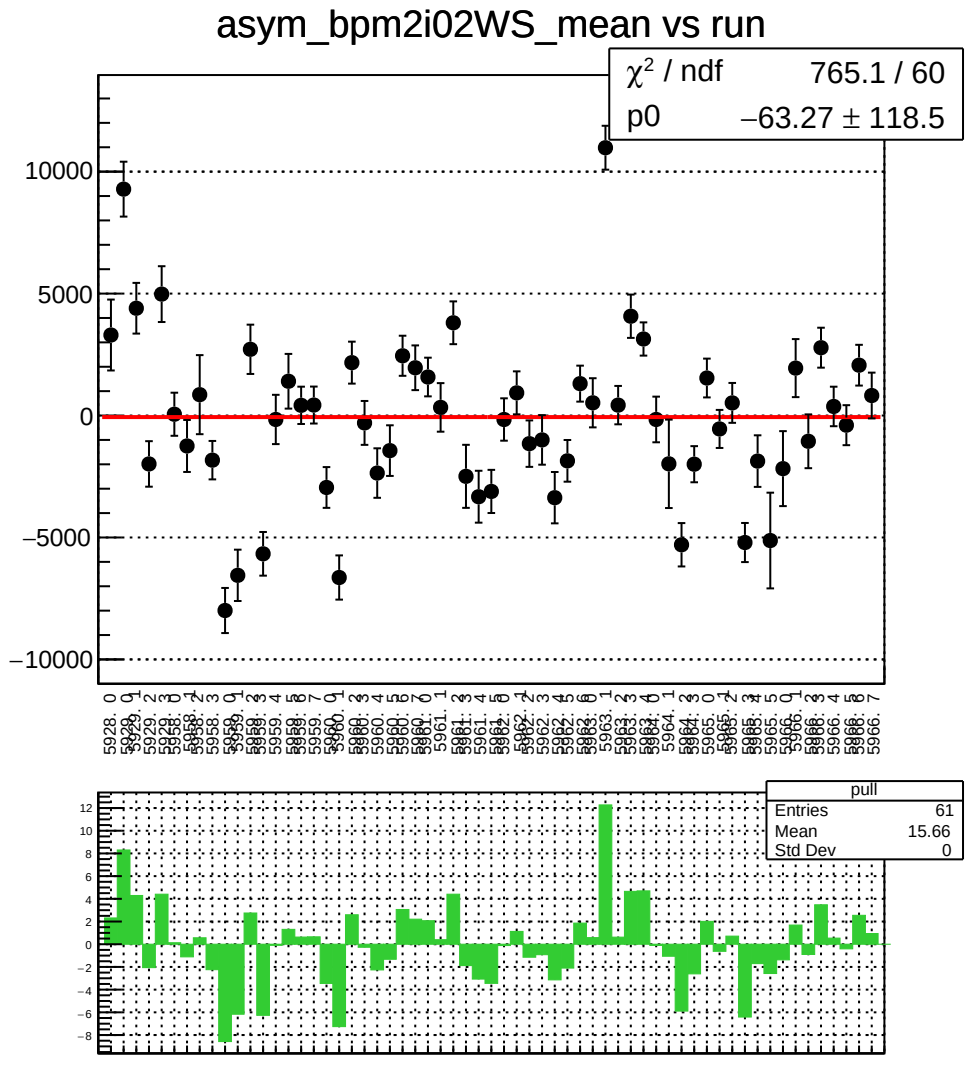

pull1D
Entries 61
Mean −0.2291
Std Dev 2.628
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

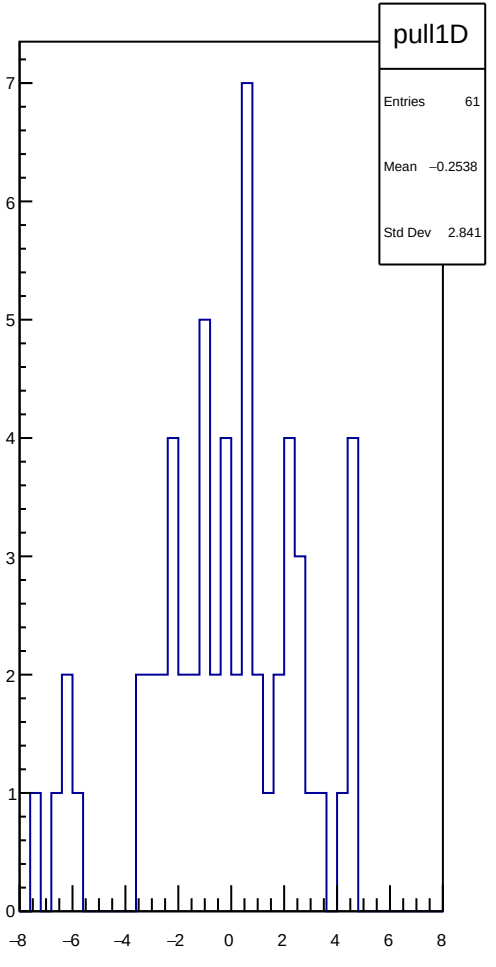

asym_bpm1i02WS_rms vs run
χ² / ndf 3.695e+04 / 60
p0 108 ± 0.1005
300
250
200
150
100

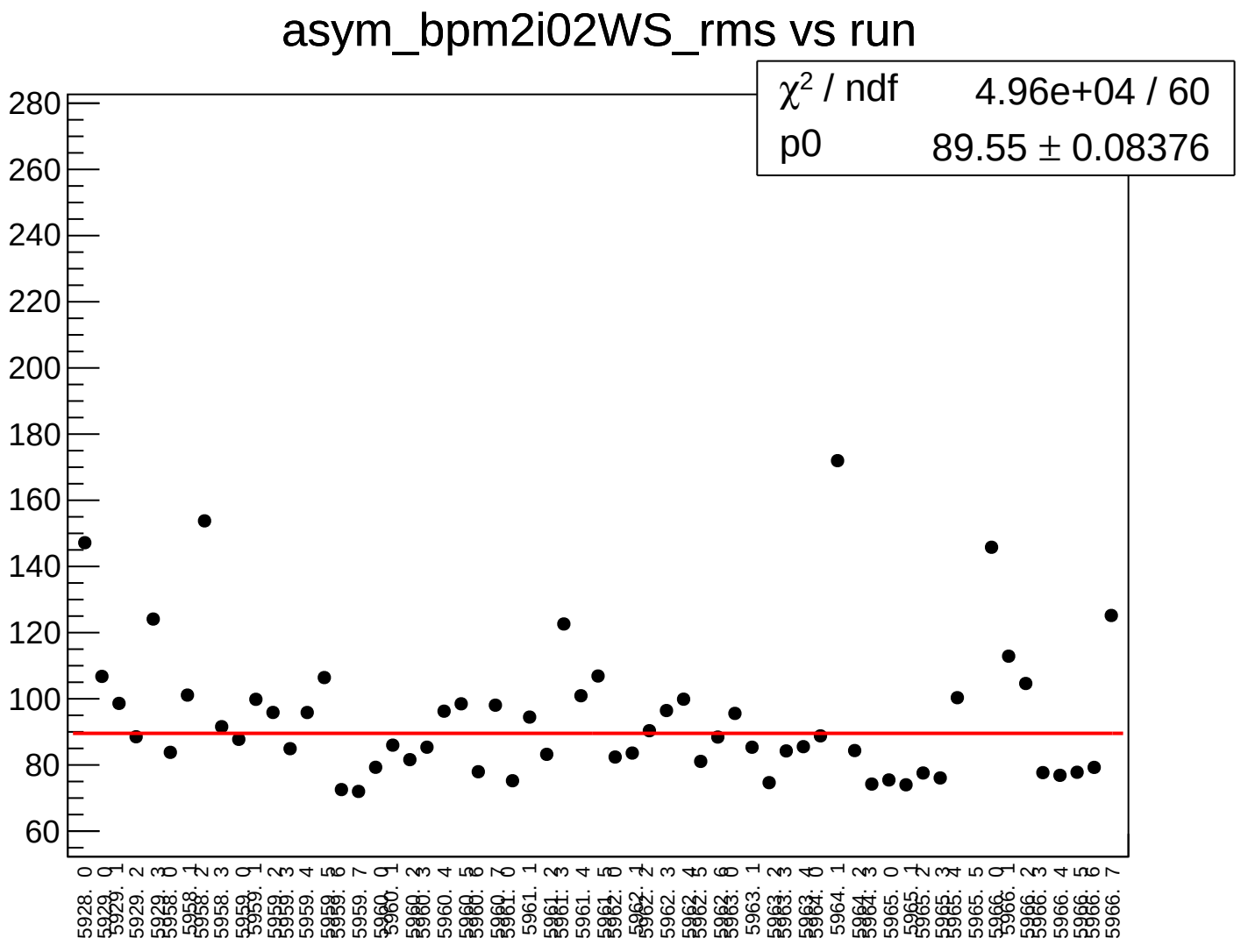

asym_bpm2i01WS_mean vs run
χ² / ndf 715 / 60
p0 64.48 ± 124
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 18.04
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6
−8

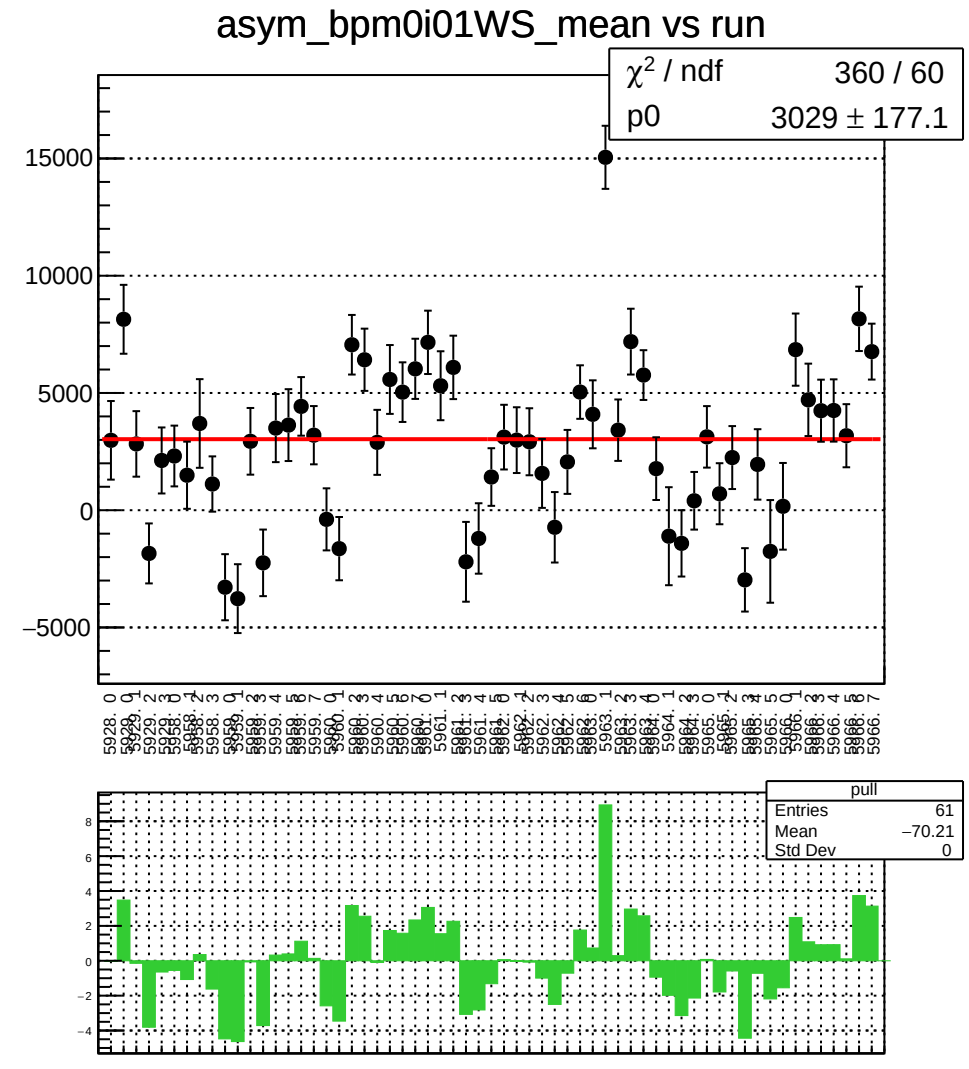

pull1D
Entries 61
Mean −0.1581
Std Dev 2.849
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

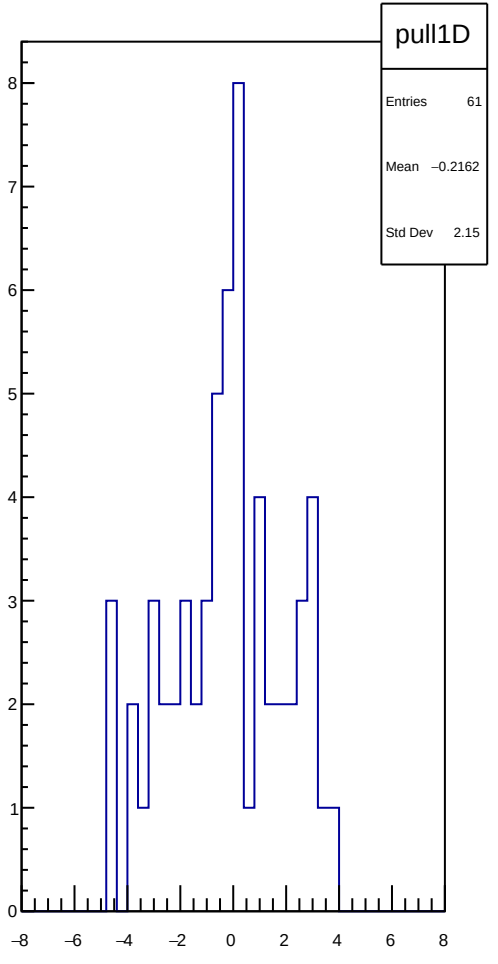

asym_bpm2i01WS_rms vs run
χ² / ndf 4.304e+04 / 60
p0 94.03 ± 0.0877
260
240
220
200
180
160
140
120
100
80
60

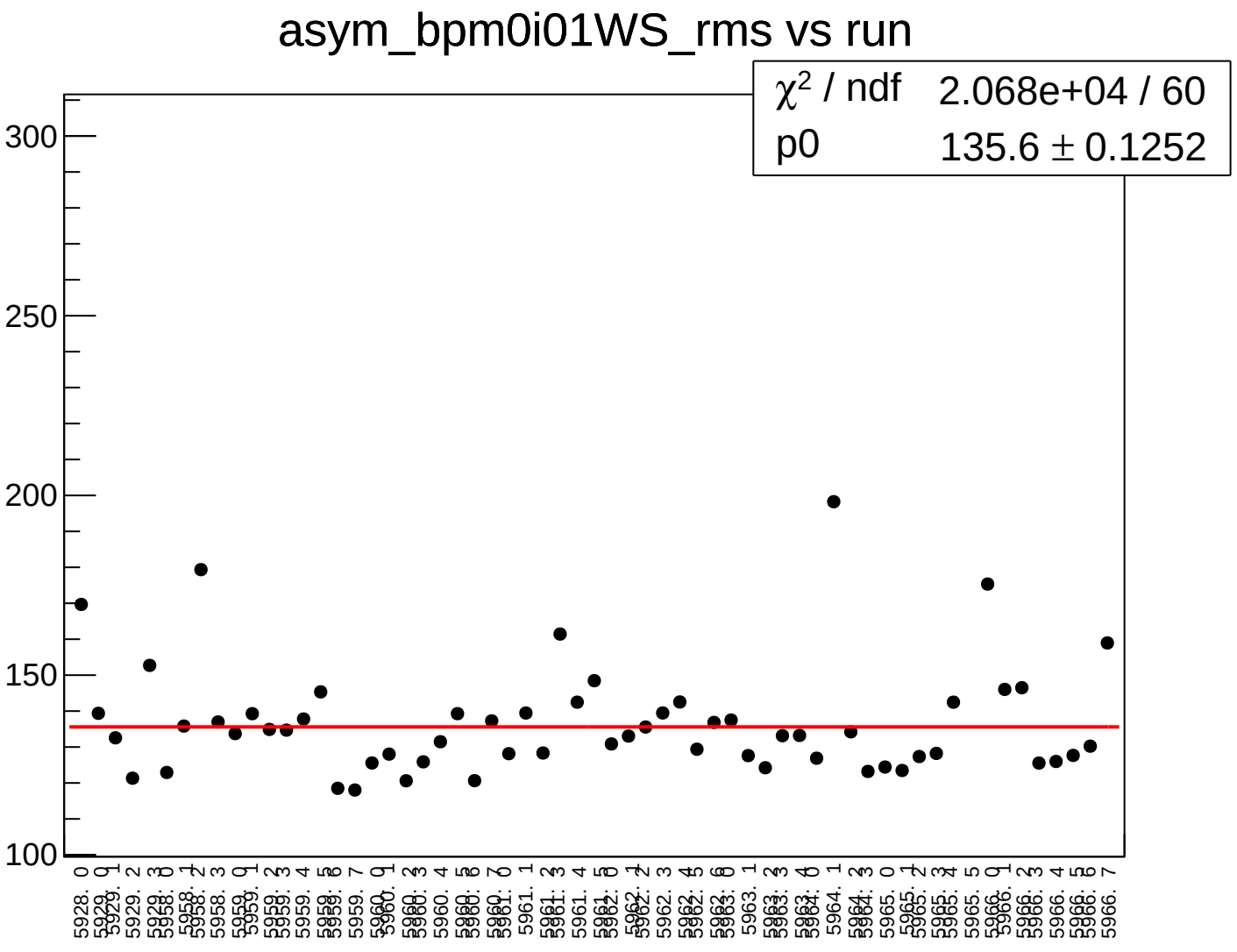

asym_bpm2i02WS_mean vs run
χ² / ndf 765.1 / 60
p0 −63.27 ± 118.5
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 15.66
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6
−8

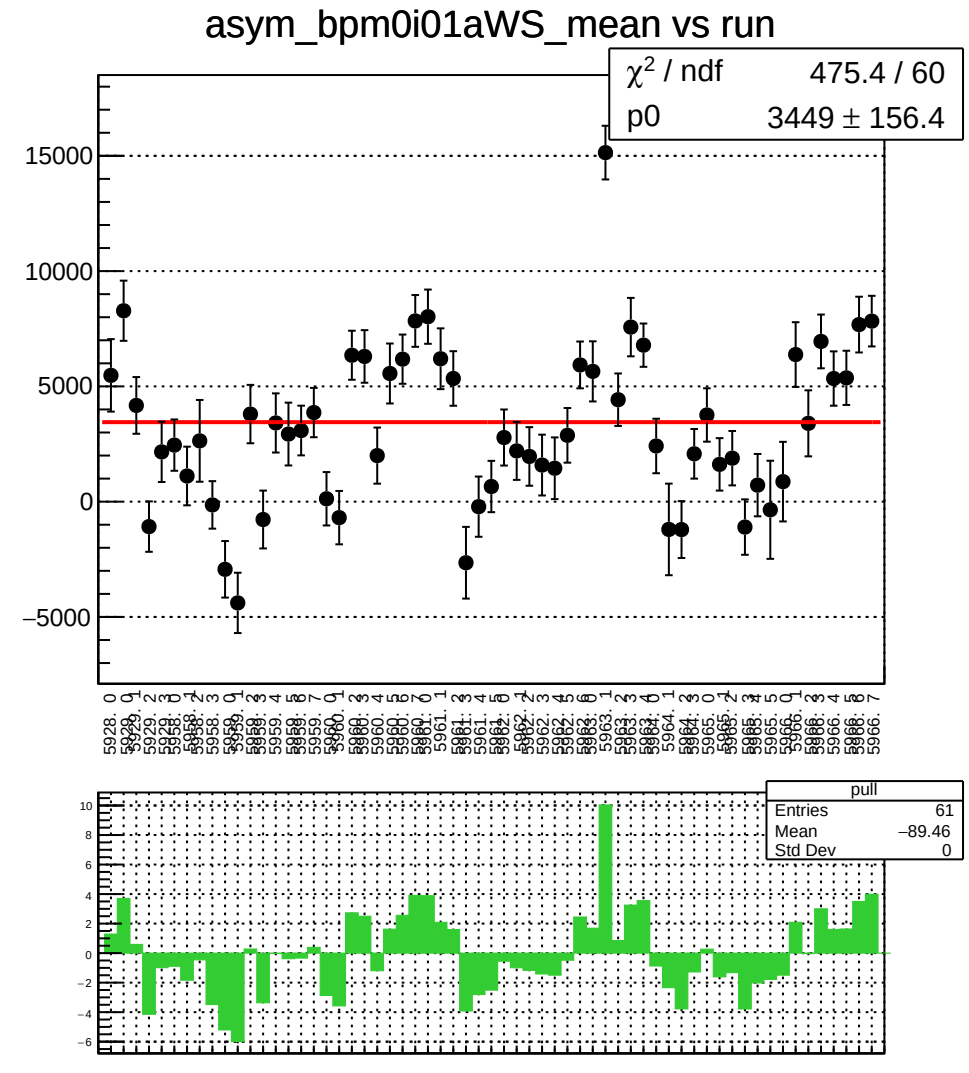

pull1D
Entries 61
Mean −0.2538
Std Dev 2.841
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

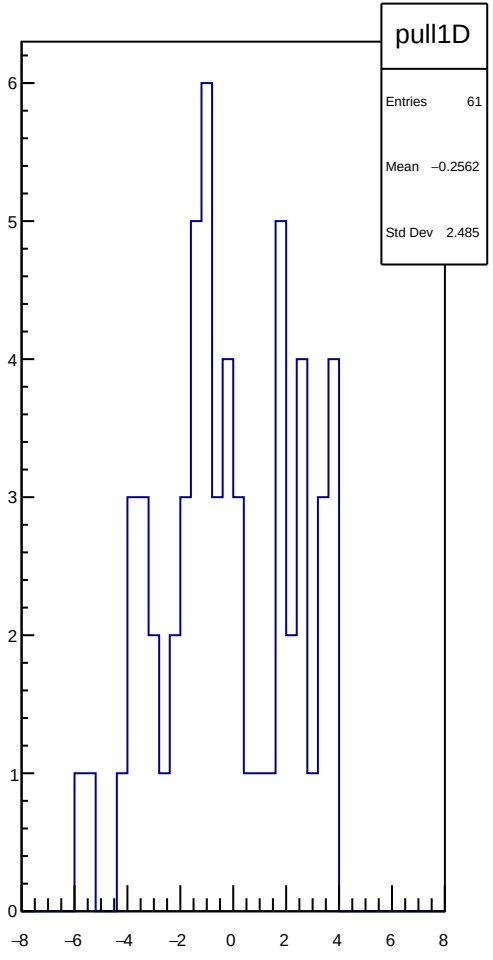

asym_bpm2i02WS_rms vs run
χ^2 / ndf 4.96e+04 / 60
p0 89.55 ± 0.08376
280
260
240
220
200
180
160
140
120
100
80
60

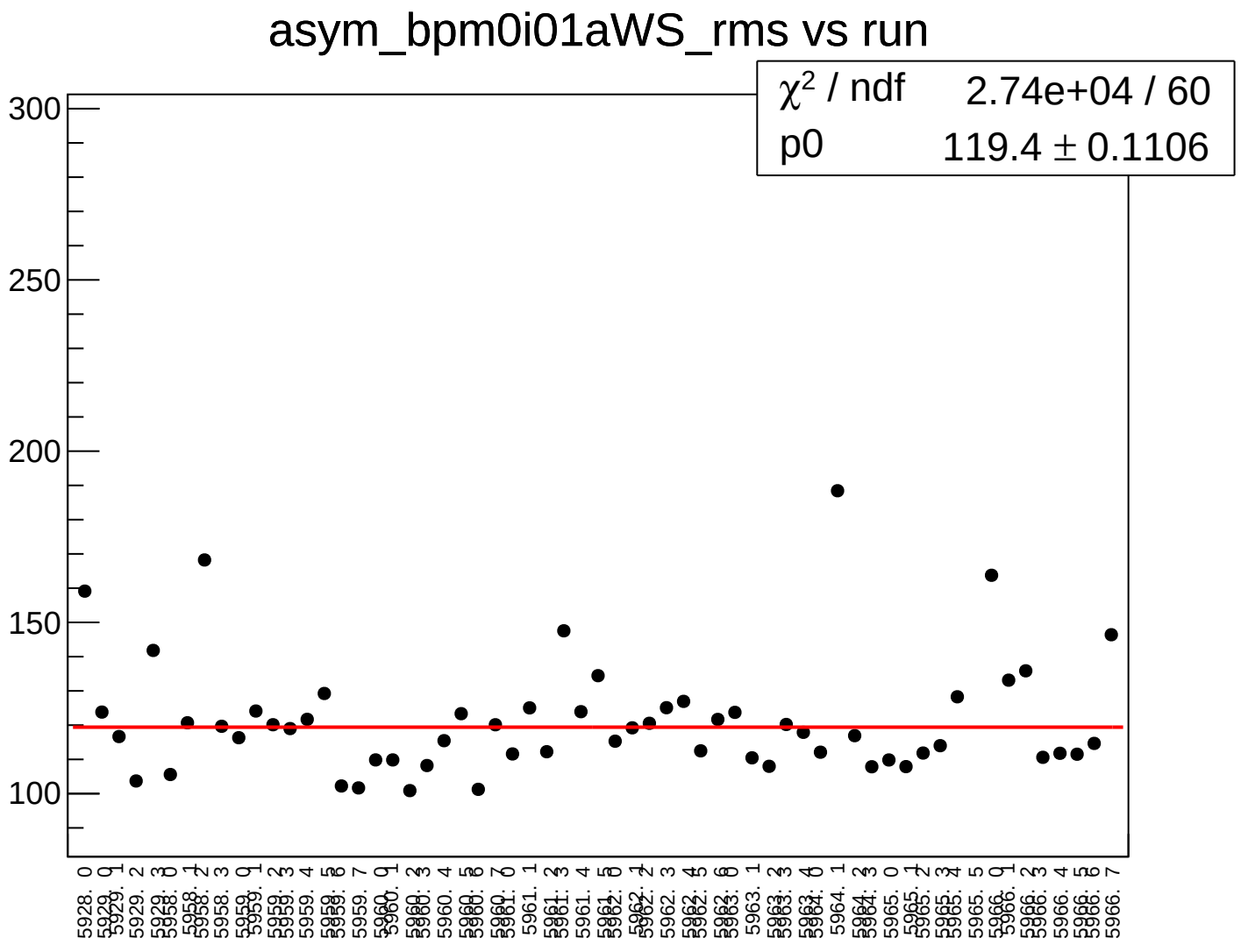

asym_bpm0i01WS_mean vs run
χ² / ndf 360 / 60
p0 3029 ± 177.1
15000
10000
5000
0
−5000
pull
Entries 61
Mean −70.21
Std Dev 0
8
6
4
2
0
−2
−4

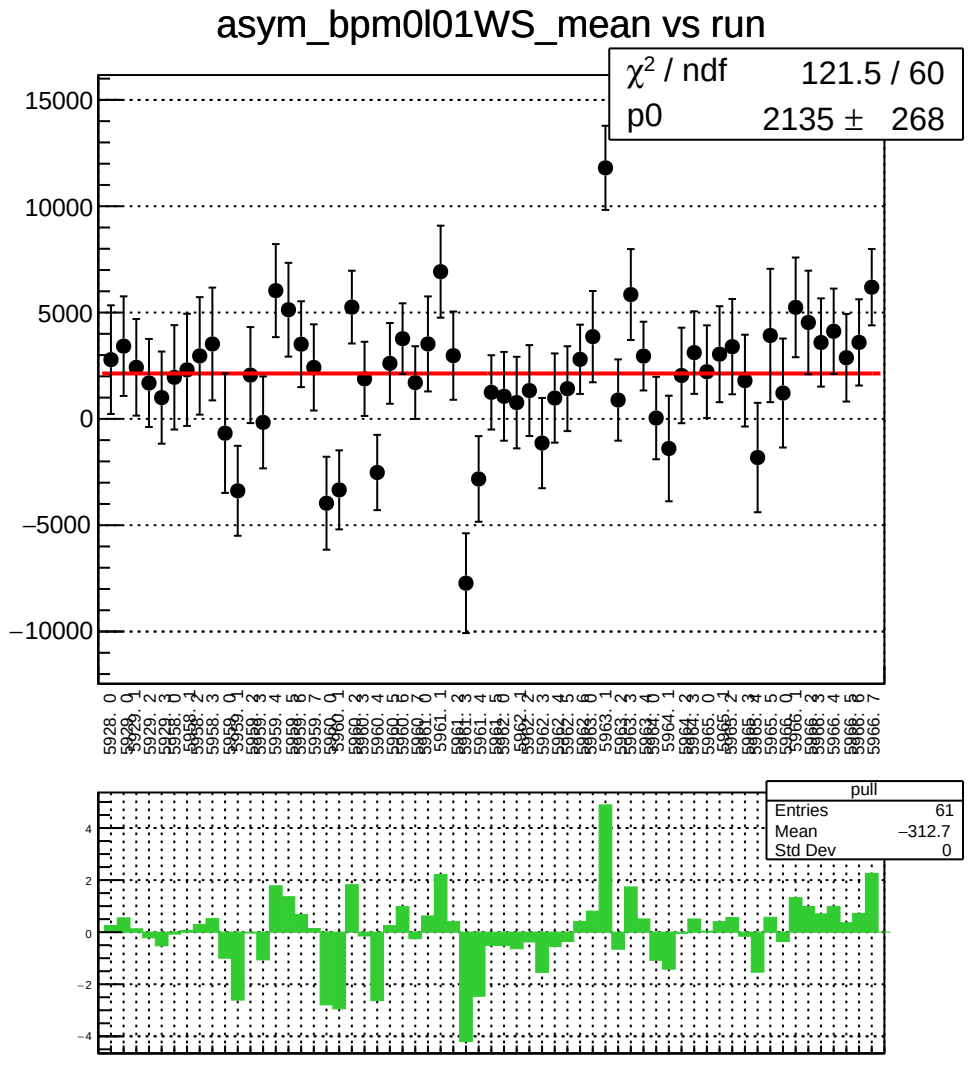

pull1D
Entries 61
Mean −0.2162
Std Dev 2.15
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

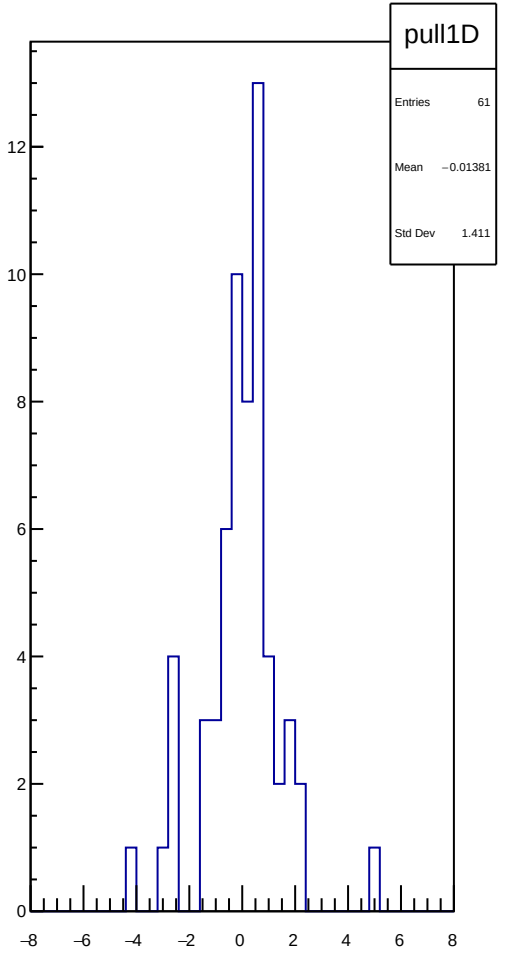

asym_bpm0i01WS_rms vs run
χ² / ndf 2.068e+04 / 60
p0 135.6 ± 0.1252
300
250
200
150
100

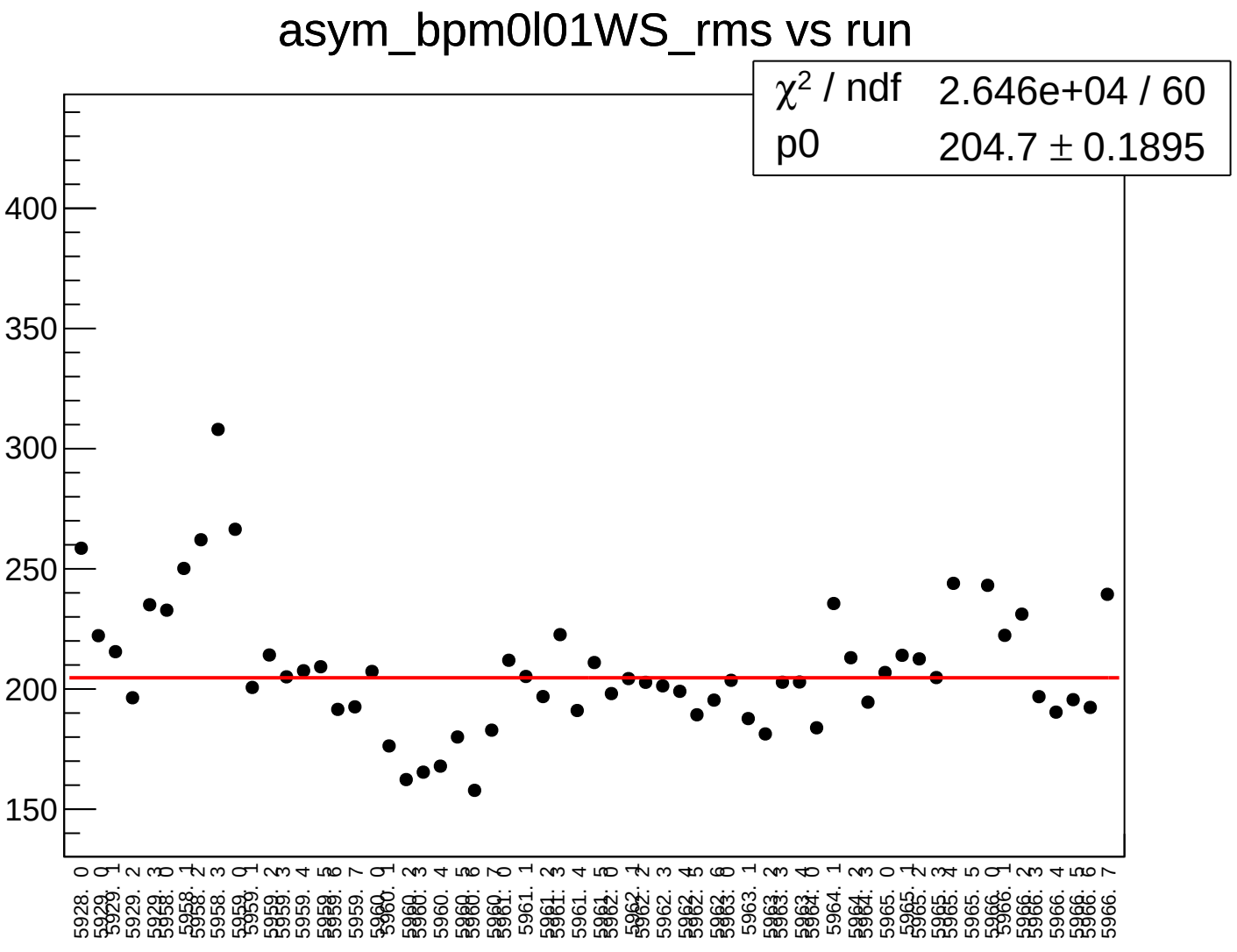

asym_bpm0i01aWS_mean vs run
χ² / ndf 475.4 / 60
p0 3449 ± 156.4
15000
10000
5000
0
−5000
pull
Entries 61
Mean −89.46
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

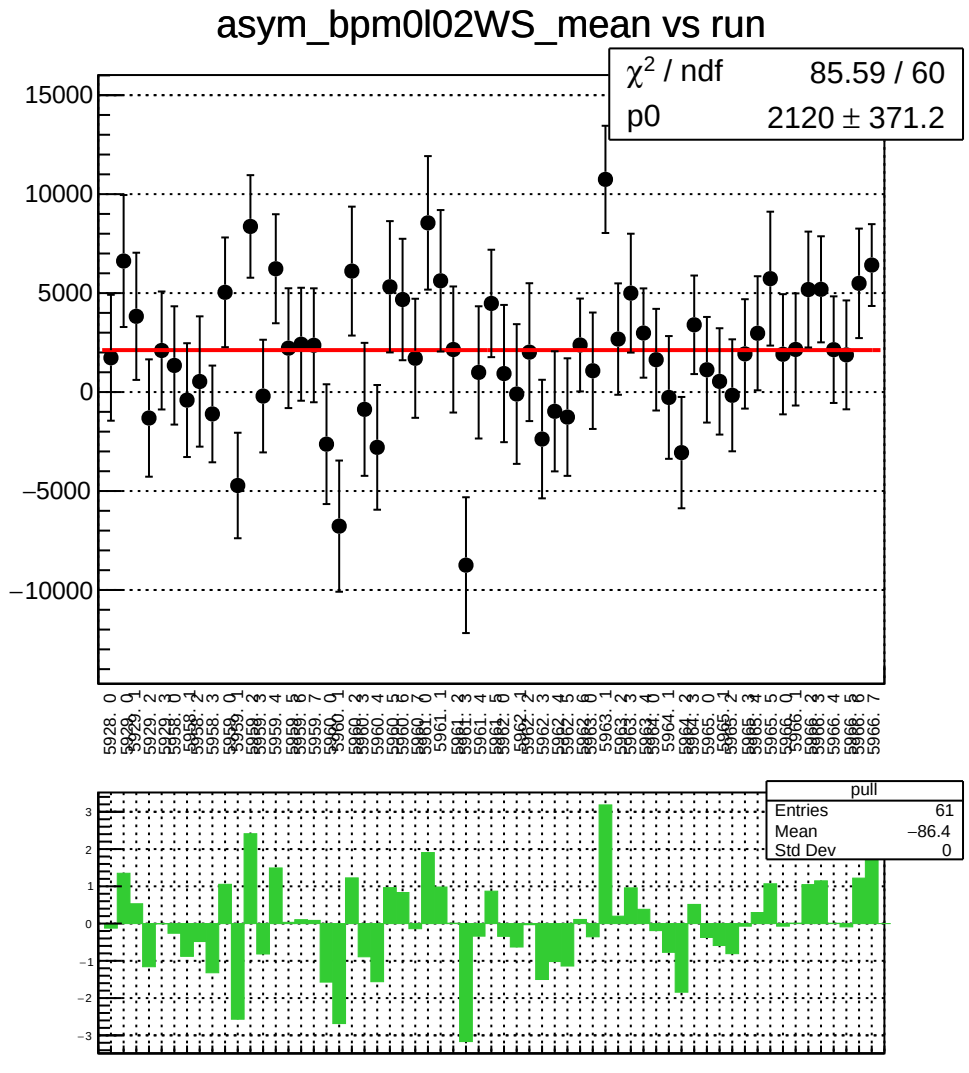

pull1D
Entries 61
Mean −0.2562
Std Dev 2.485
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

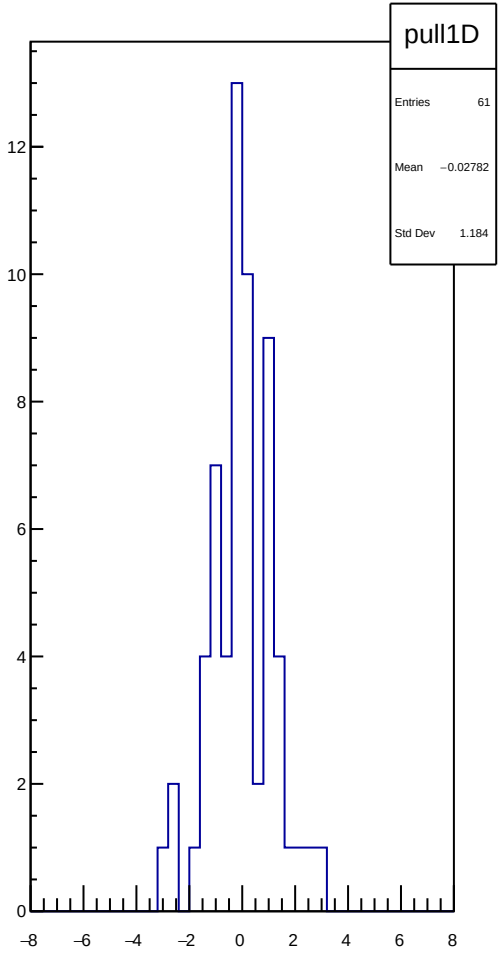

asym_bpm0i01aWS_rms vs run
χ² / ndf 2.74e+04 / 60
p0 119.4 ± 0.1106
300
250
200
150
100

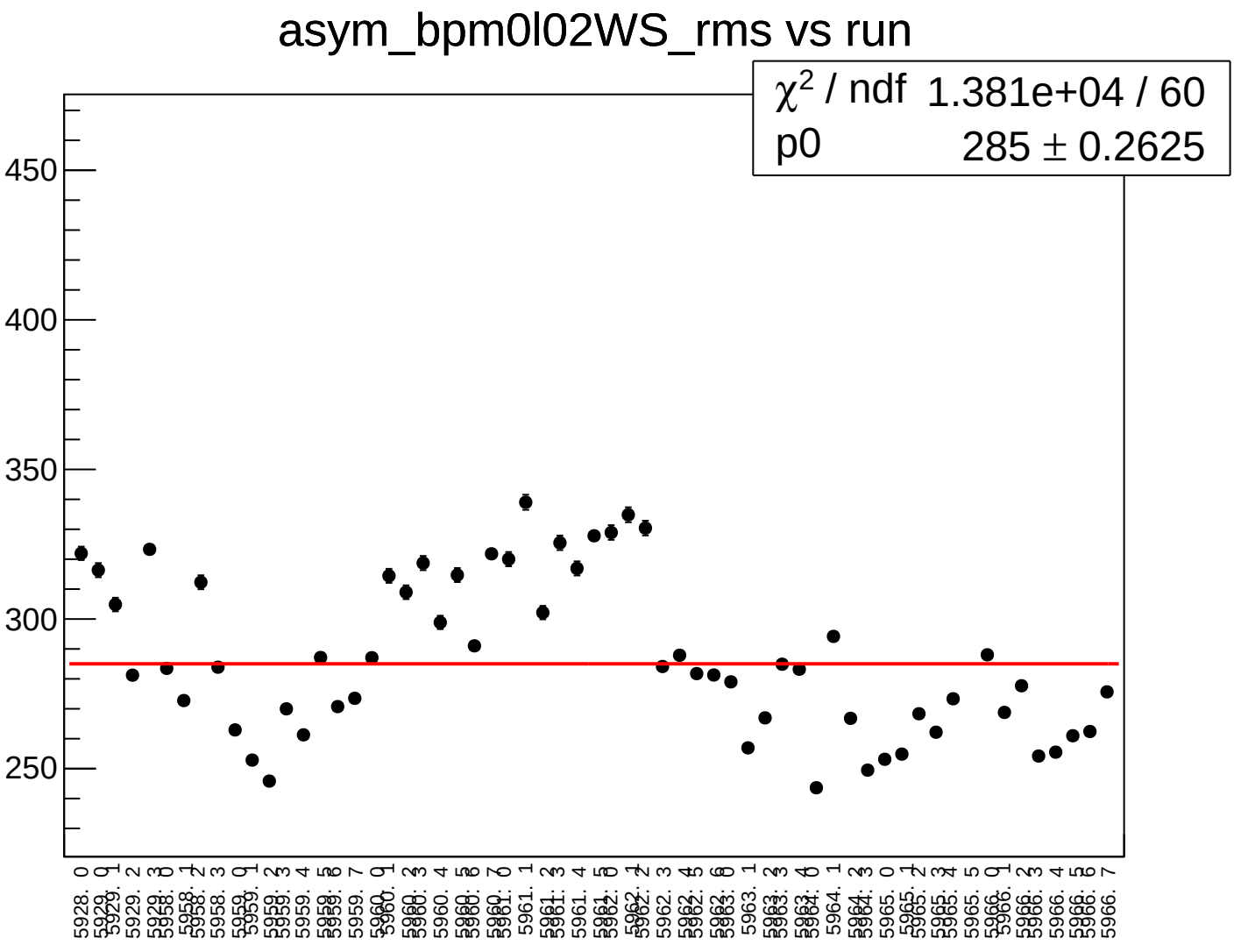

asym_bpm0l01WS_mean vs run
χ² / ndf 121.5 / 60
p0 2135 ± 268
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −312.7
Std Dev 0
4
2
0
−2
−4

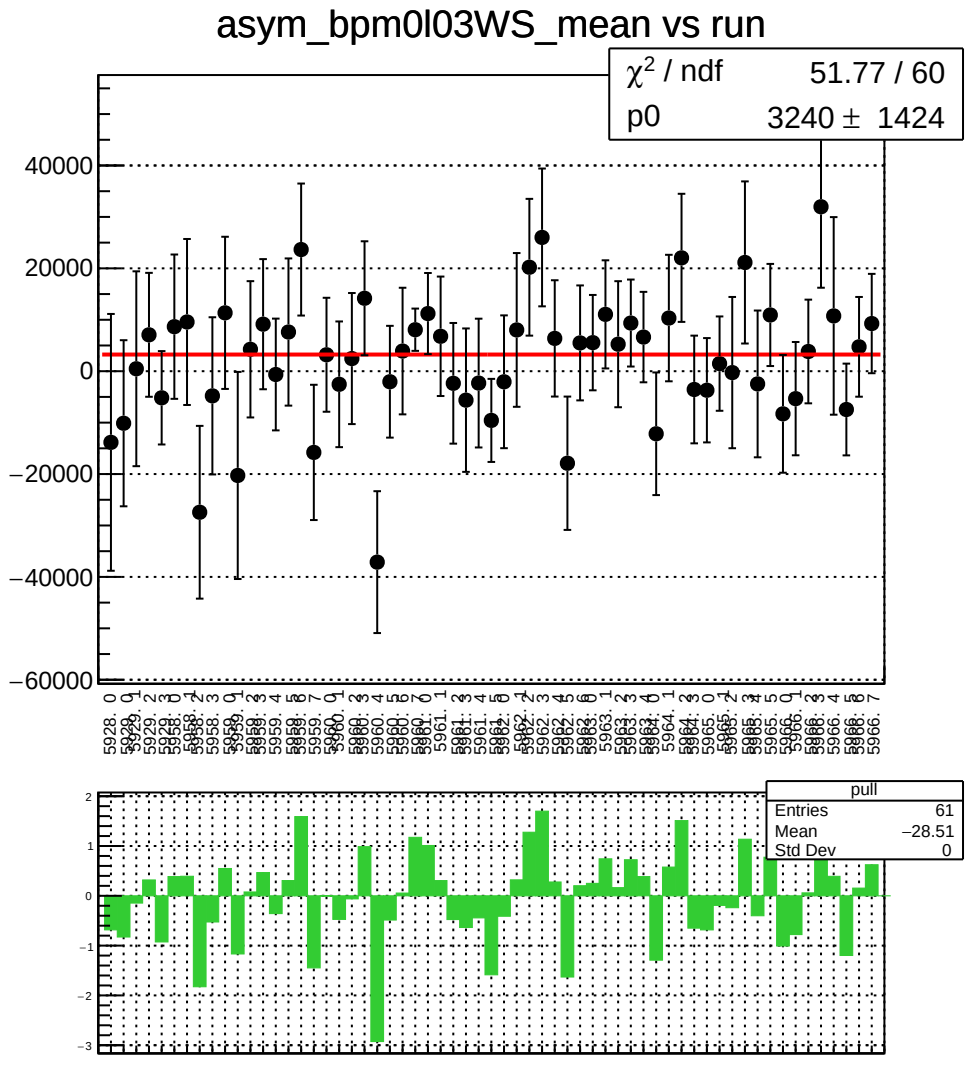

pull1D
Entries 61
Mean −0.01381
Std Dev 1.411
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

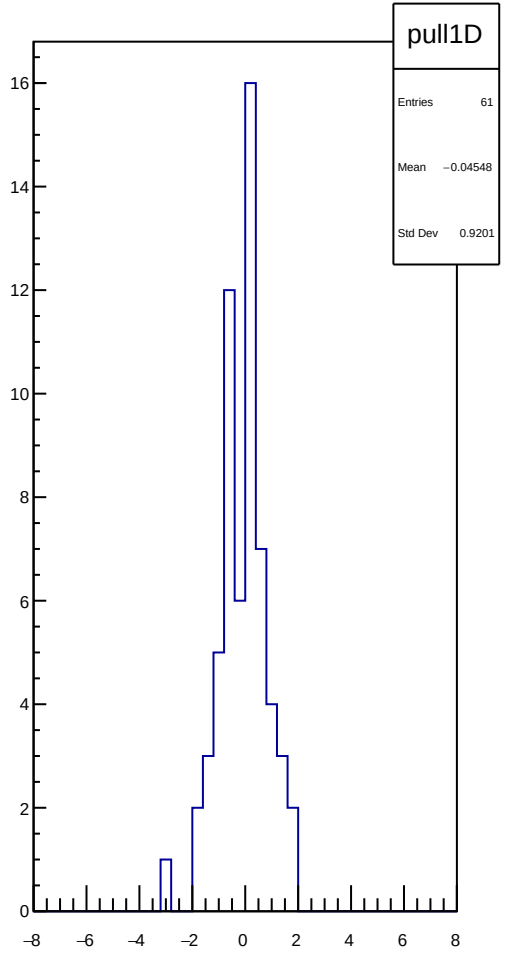

asym_bpm0l01WS_rms vs run
χ² / ndf 2.646e+04 / 60
p0 204.7 ± 0.1895
400
350
300
250
200
150

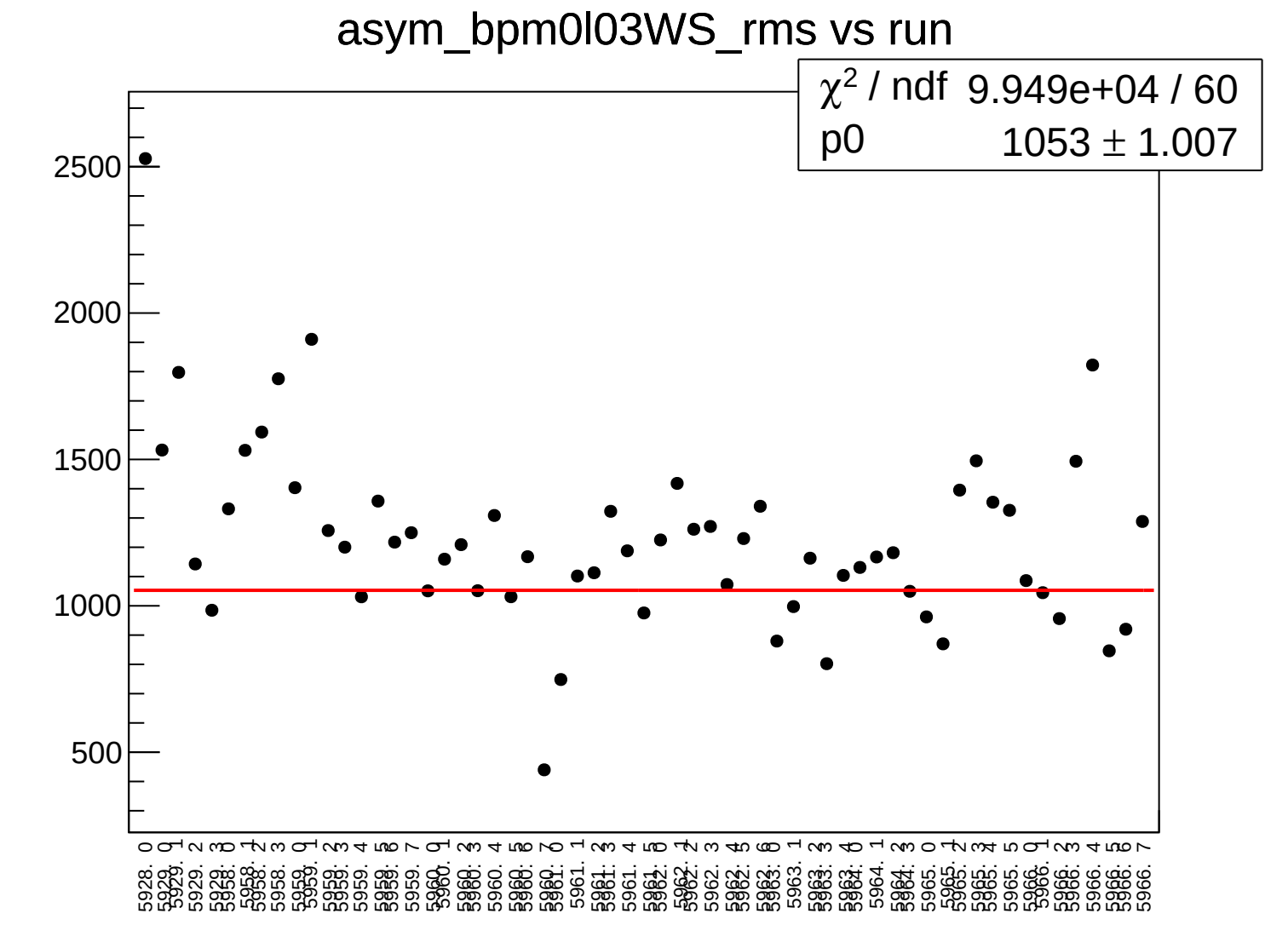

asym_bpm0l02WS_mean vs run
χ² / ndf 85.59 / 60
p0 2120 ± 371.2
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −86.4
Std Dev 0

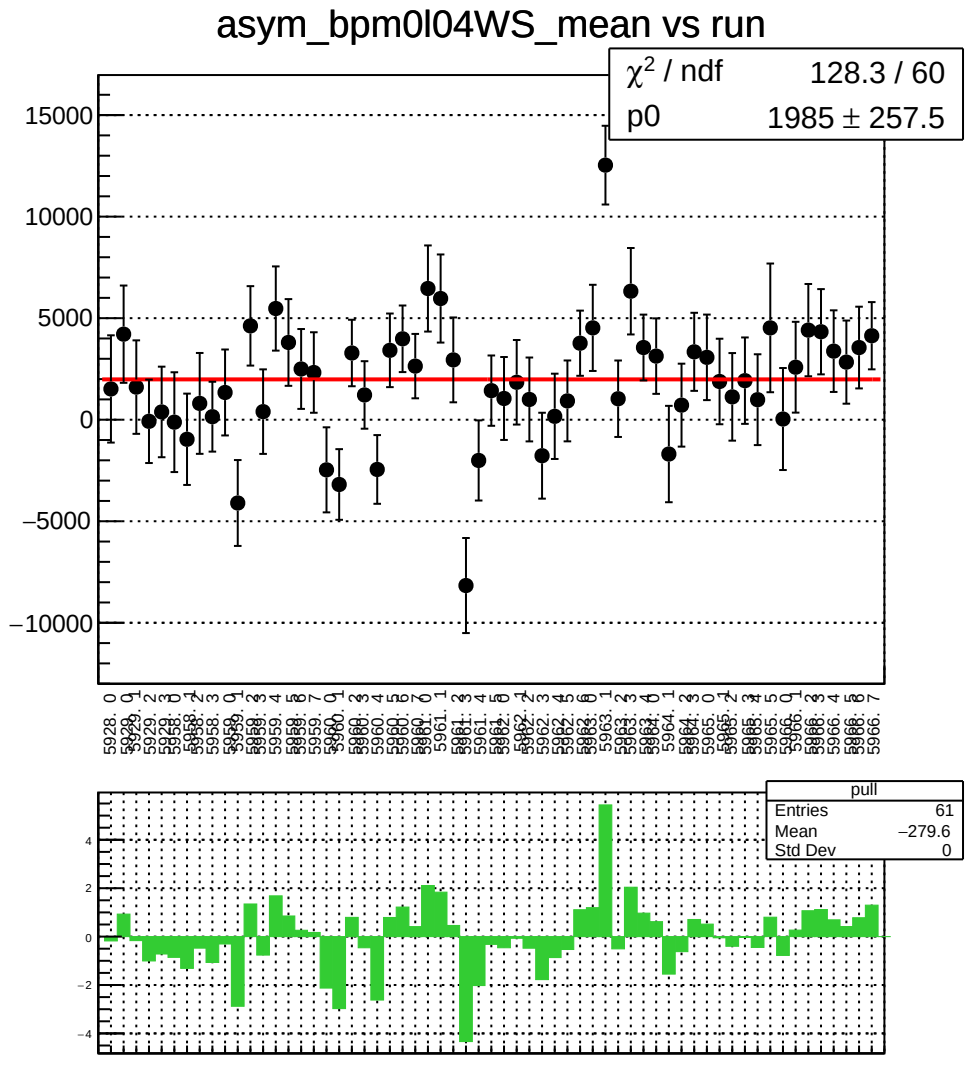

pull1D
Entries 61
Mean −0.02782
Std Dev 1.184
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

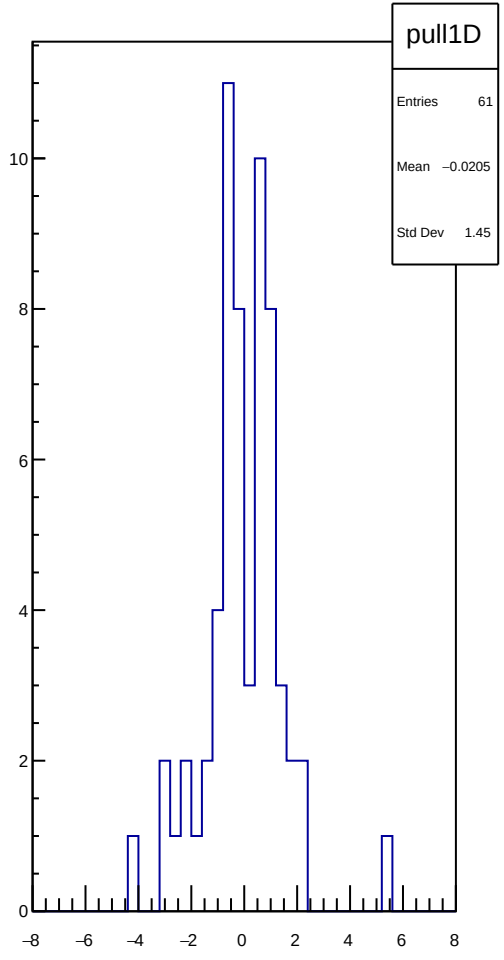

asym_bpm0l02WS_rms vs run
χ^2 / ndf 1.381e+04 / 60
p0 285 ± 0.2625
450
400
350
300
250

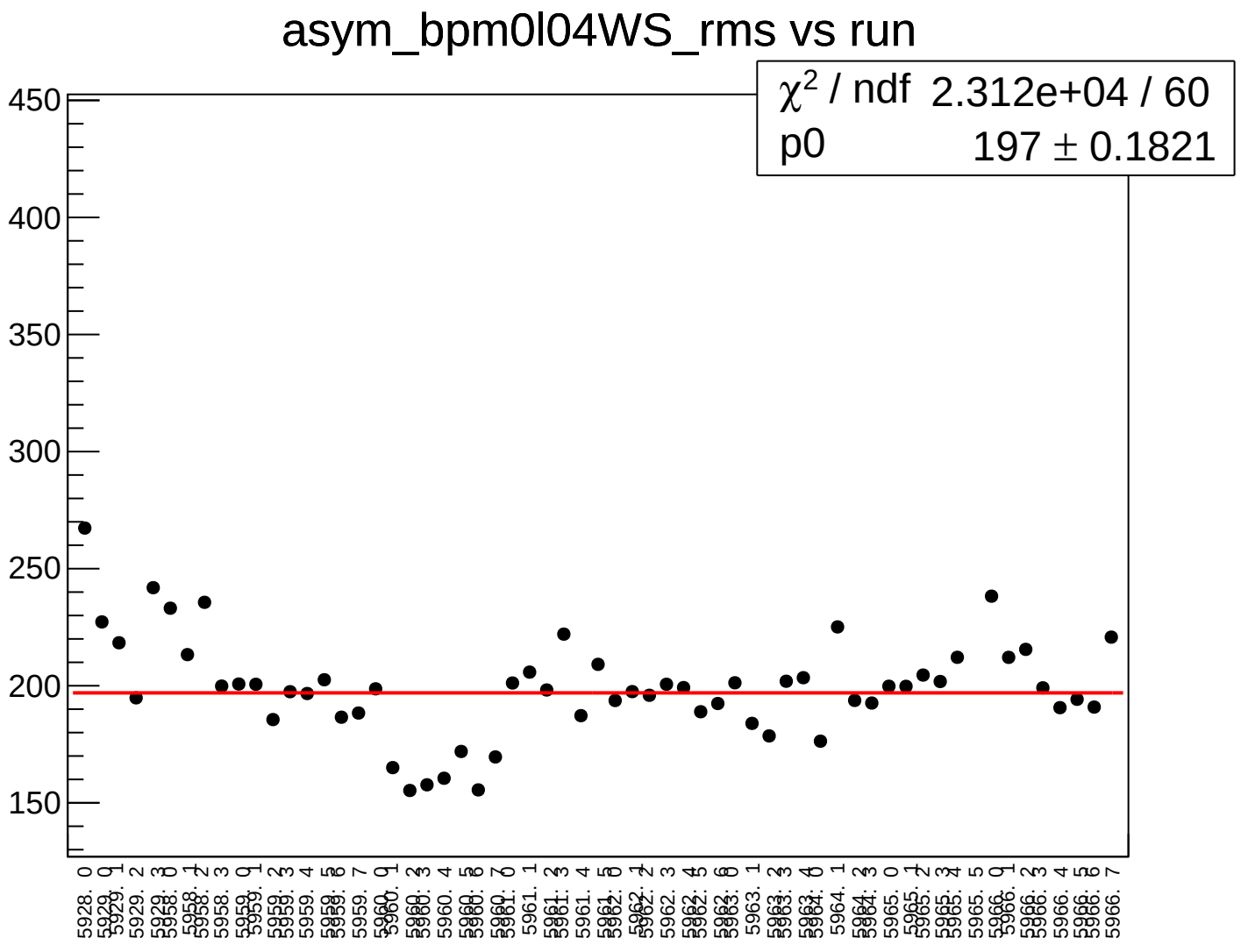

asym_bpm0l03WS_mean vs run
χ² / ndf 51.77 / 60
p0 3240 ± 1424
pull
Entries 61
Mean −28.51
Std Dev 0

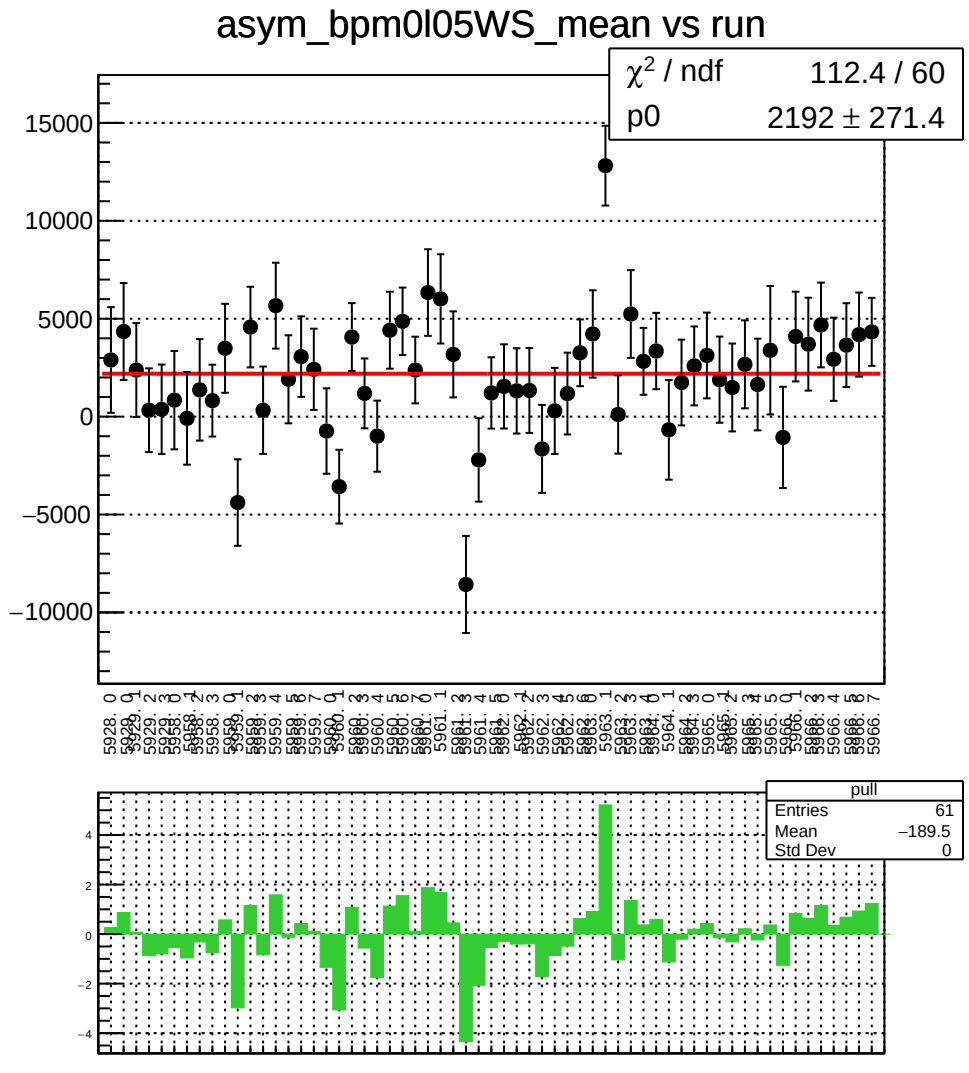

pull1D
Entries 61
Mean −0.04548
Std Dev 0.9201

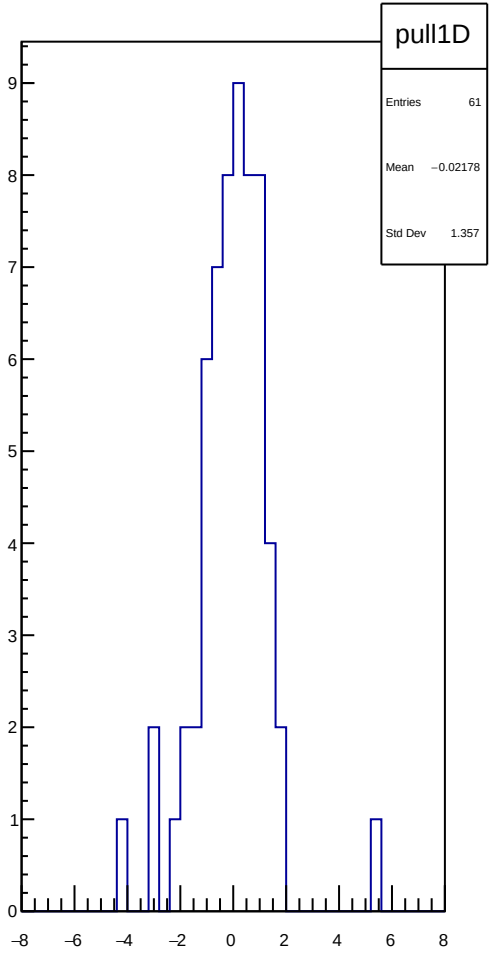

asym_bpm0l03WS_rms vs run
χ² / ndf 9.949e+04 / 60
p0 1053 ± 1.007
2500
2000
1500
1000
500

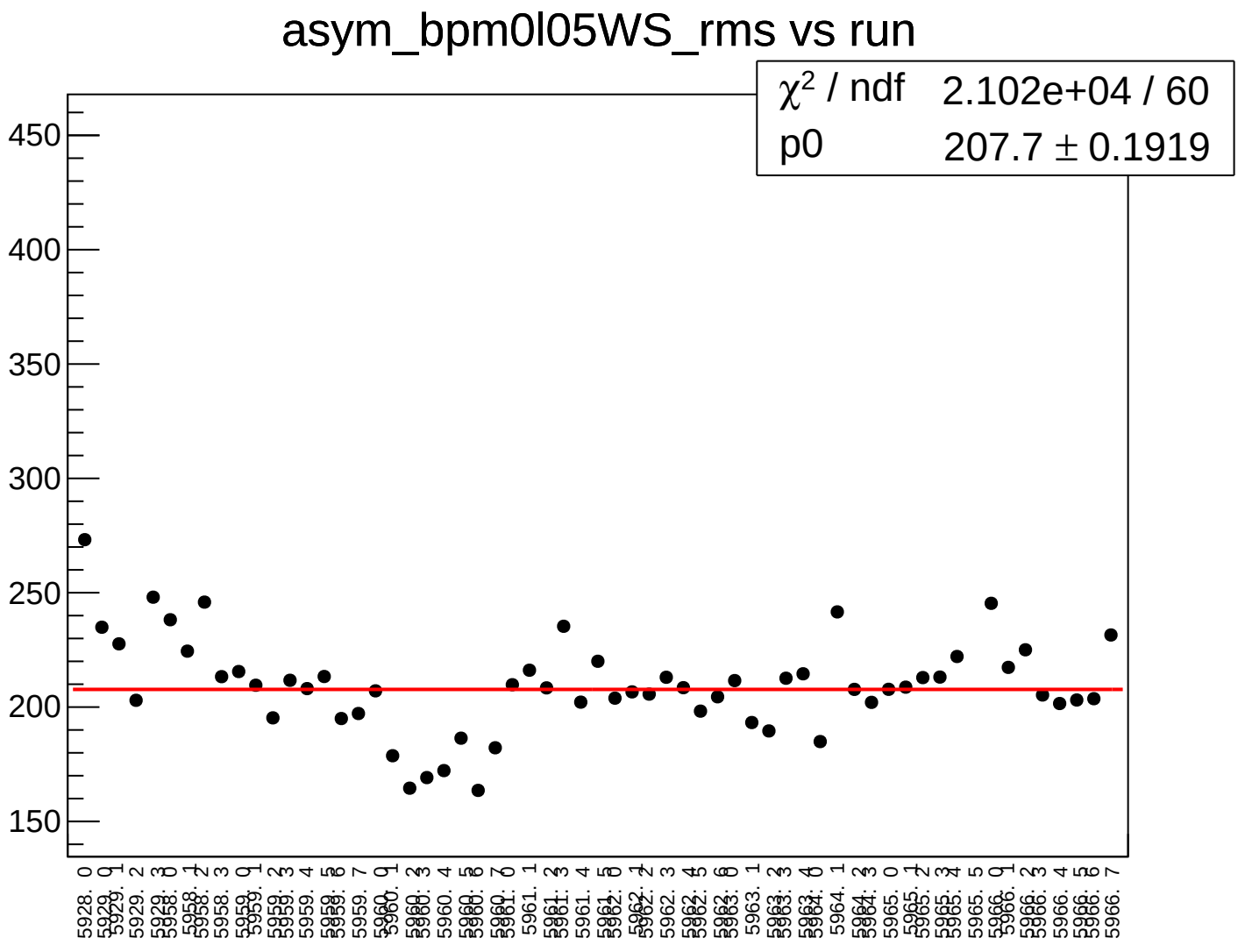

asym_bpm0l04WS_mean vs run
χ² / ndf 128.3 / 60
p0 1985 ± 257.5
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −279.6
Std Dev 0
4
2
0
−2
−4

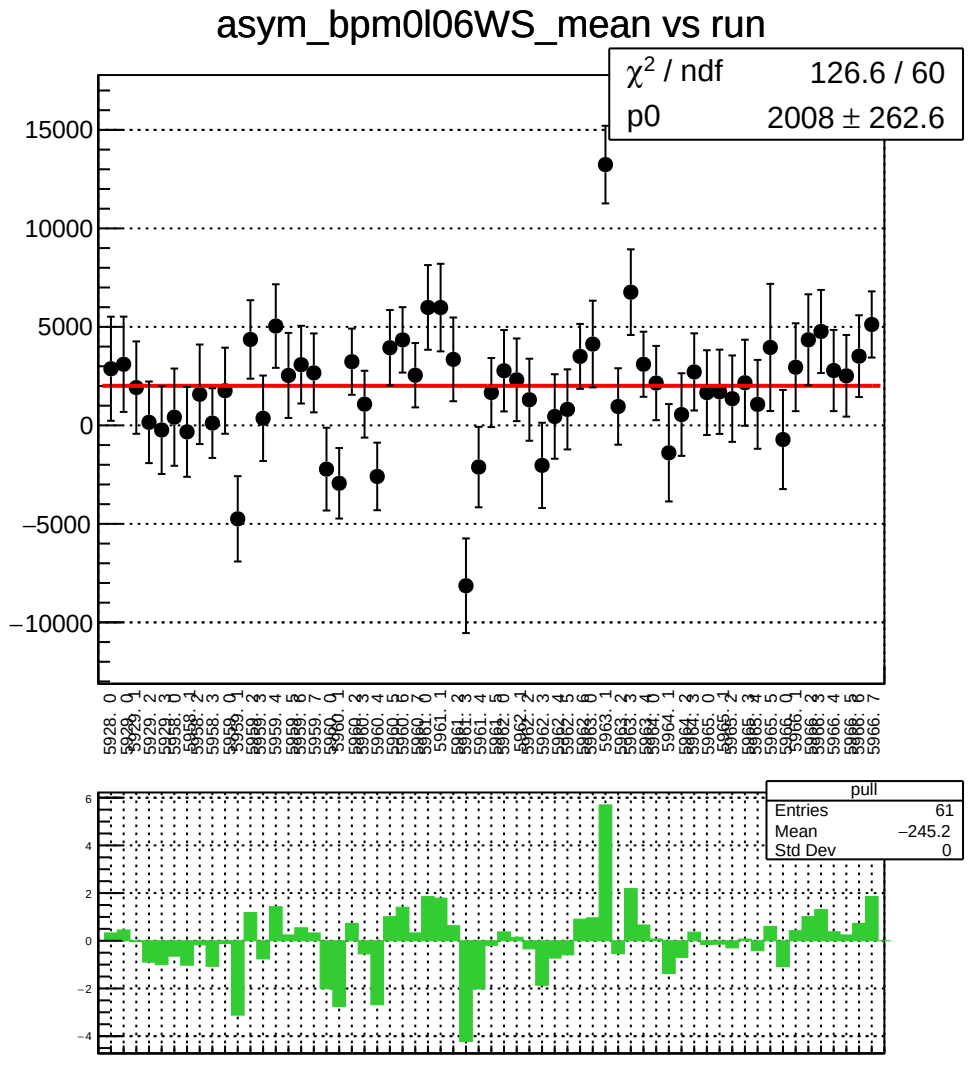

pull1D
Entries 61
Mean −0.0205
Std Dev 1.45
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

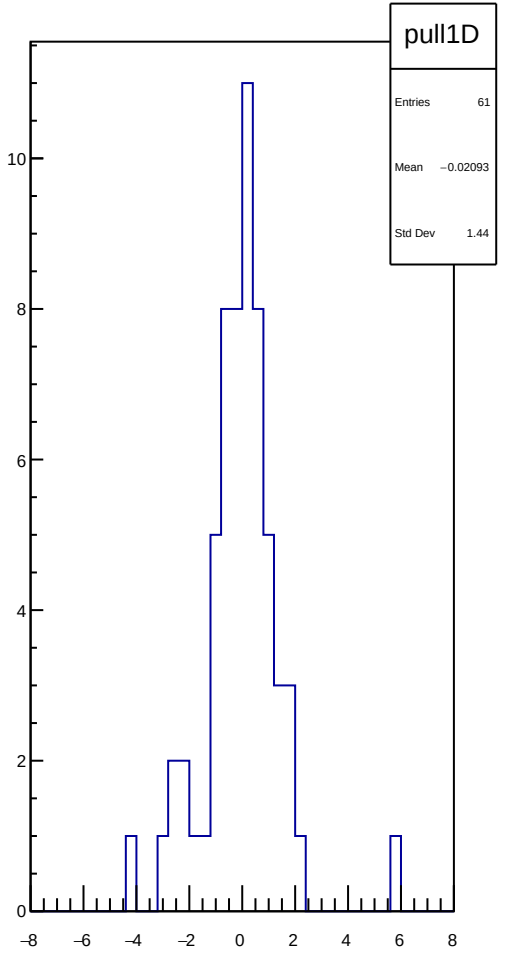

asym_bpm0l04WS_rms vs run
χ² / ndf 2.312e+04 / 60
p0 197 ± 0.1821
450
400
350
300
250
200
150

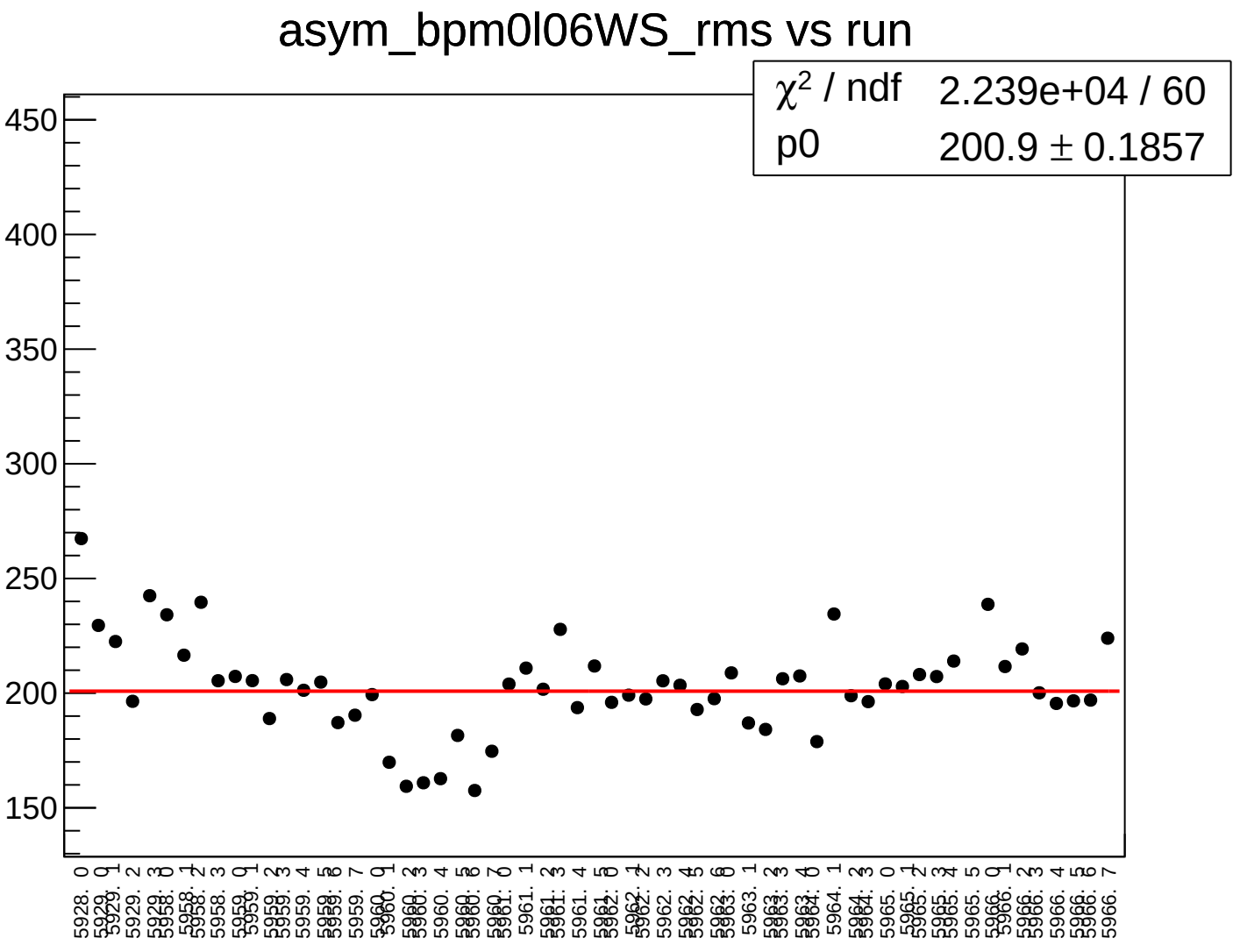

asym_bpm0l05WS_mean vs run
χ² / ndf 112.4 / 60
p0 2192 ± 271.4
pull
Entries 61
Mean −189.5
Std Dev 0

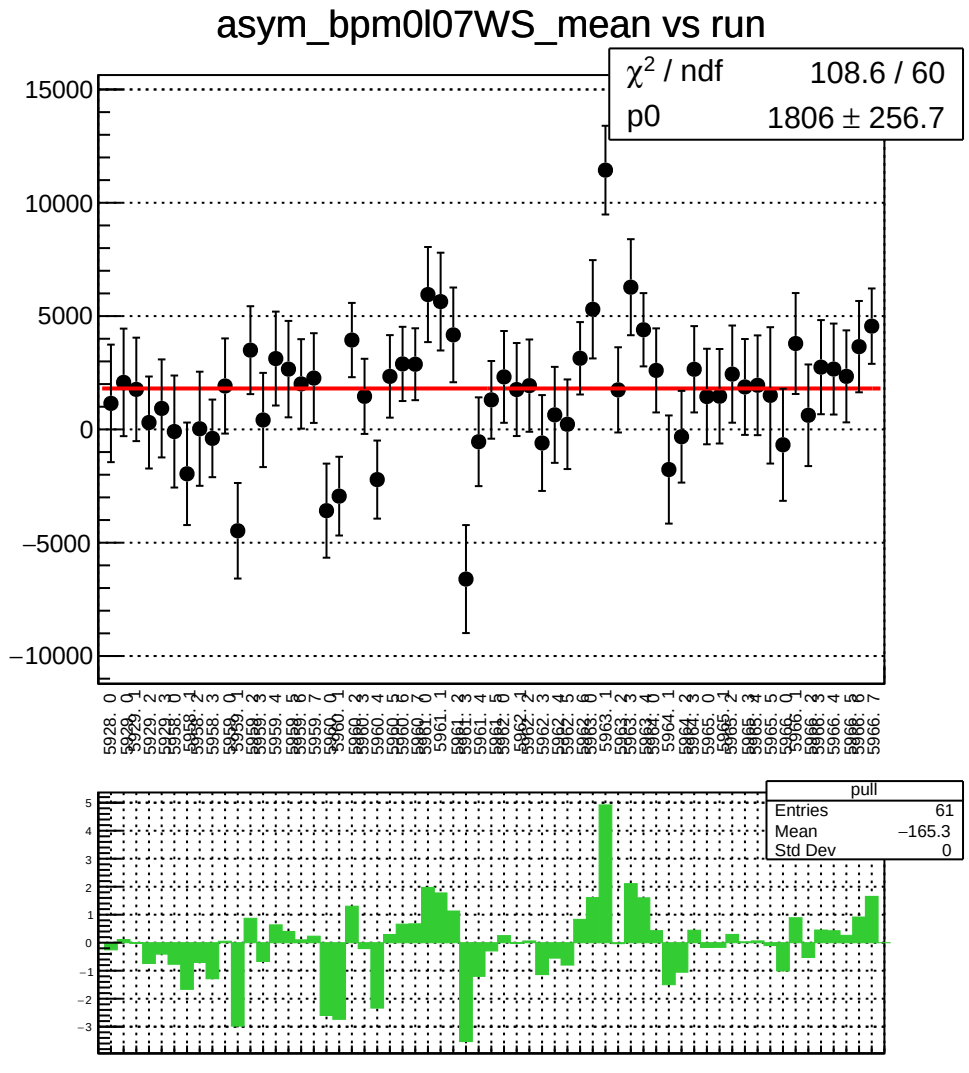

pull1D
Entries 61
Mean −0.02178
Std Dev 1.357

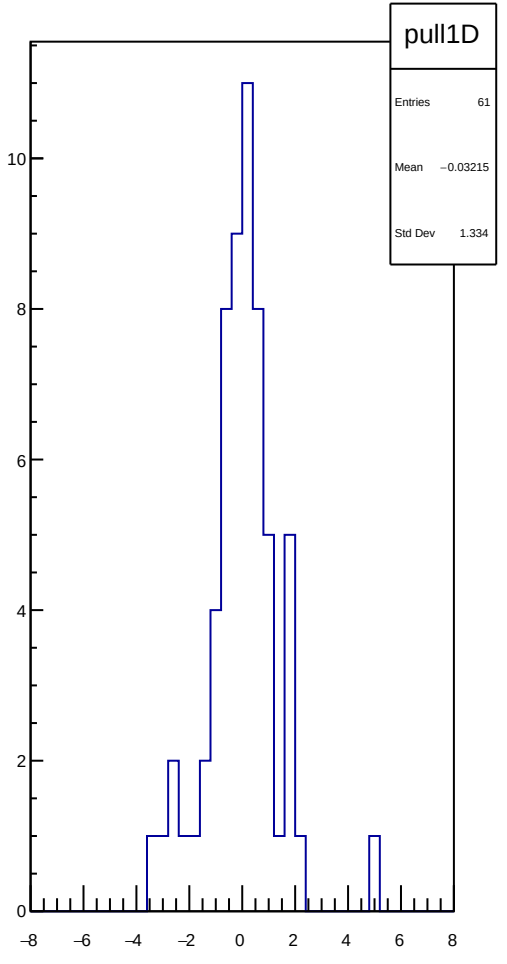

asym_bpm0l05WS_rms vs run
χ² / ndf 2.102e+04 / 60
p0 207.7 ± 0.1919
450
400
350
300
250
200
150

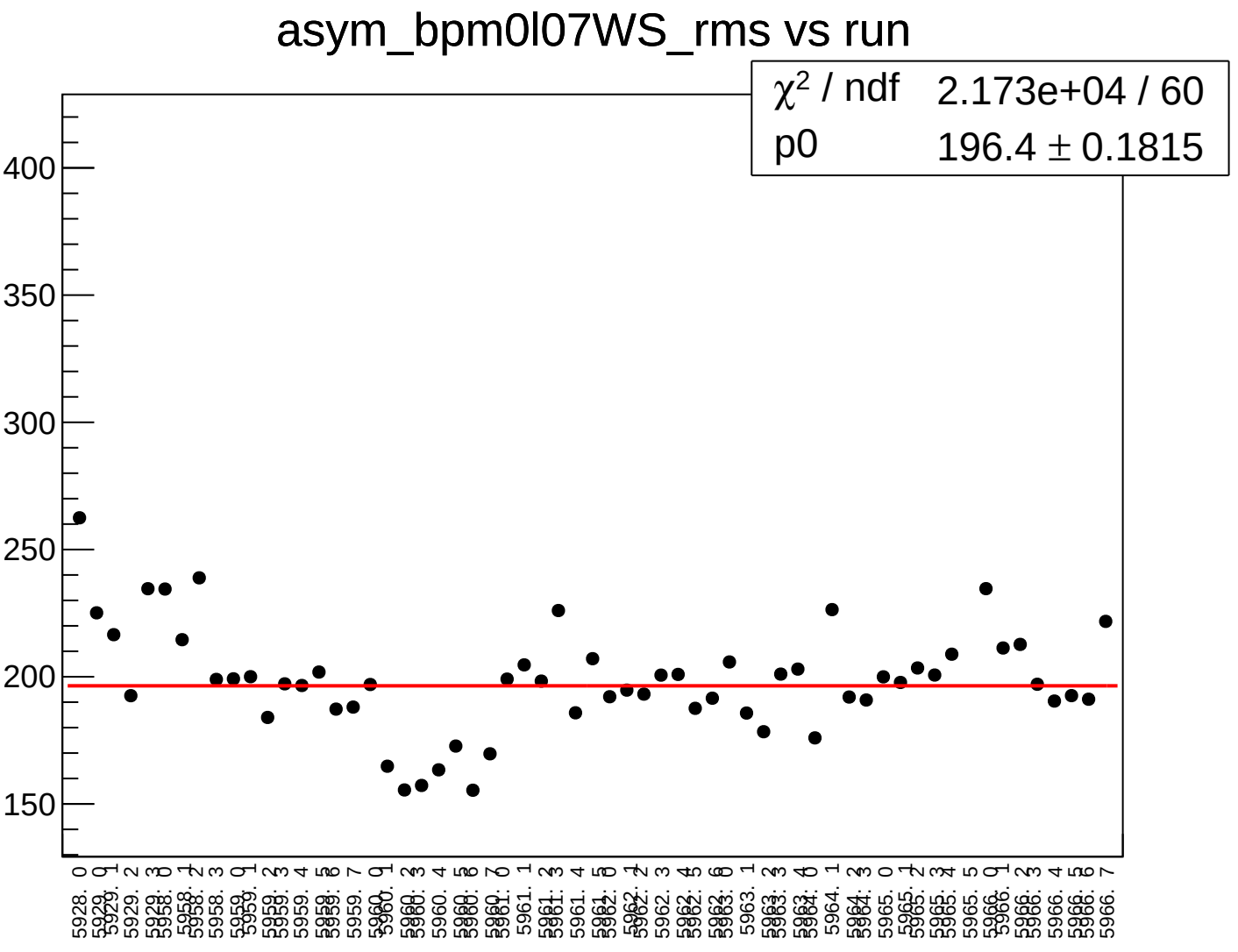

asym_bpm0l06WS_mean vs run
χ² / ndf 126.6 / 60
p0 2008 ± 262.6
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −245.2
Std Dev 0
6
4
2
0
−2
−4

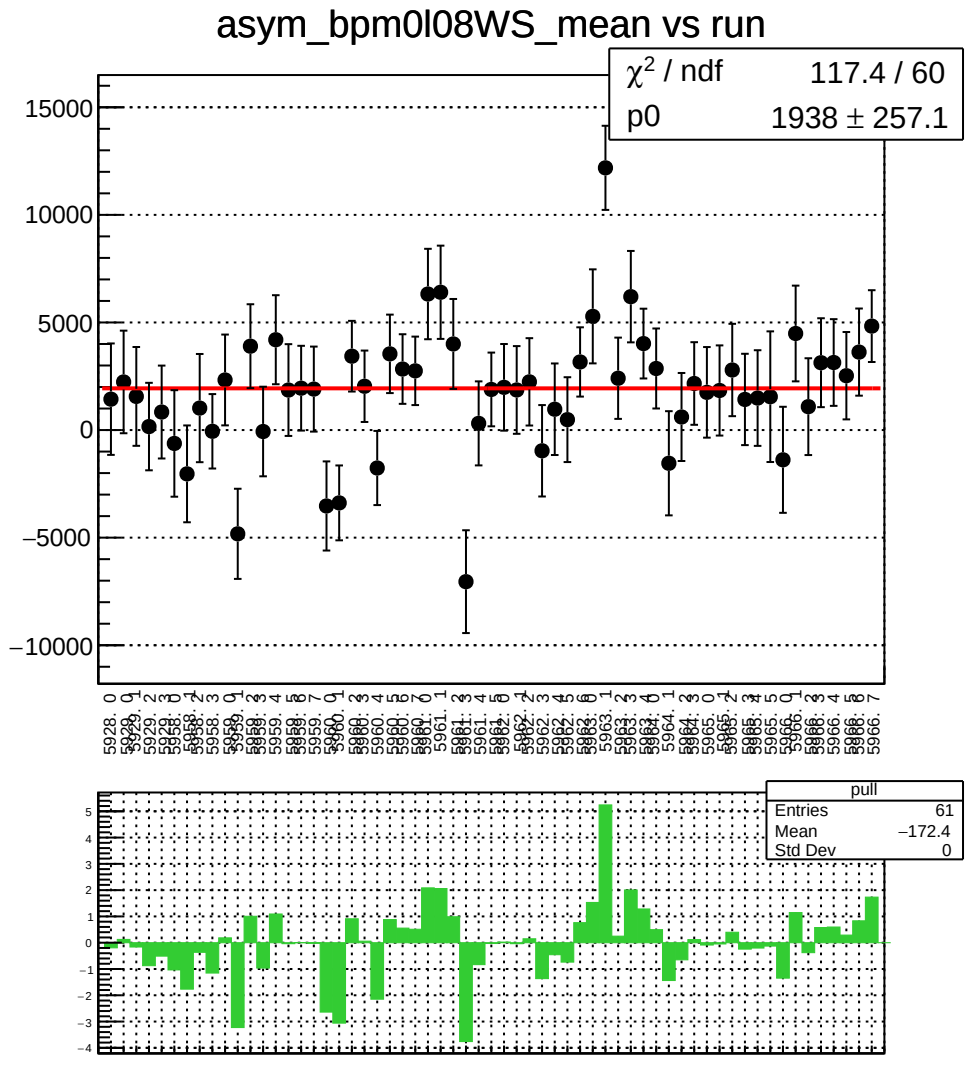

pull1D
Entries 61
Mean −0.02093
Std Dev 1.44
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

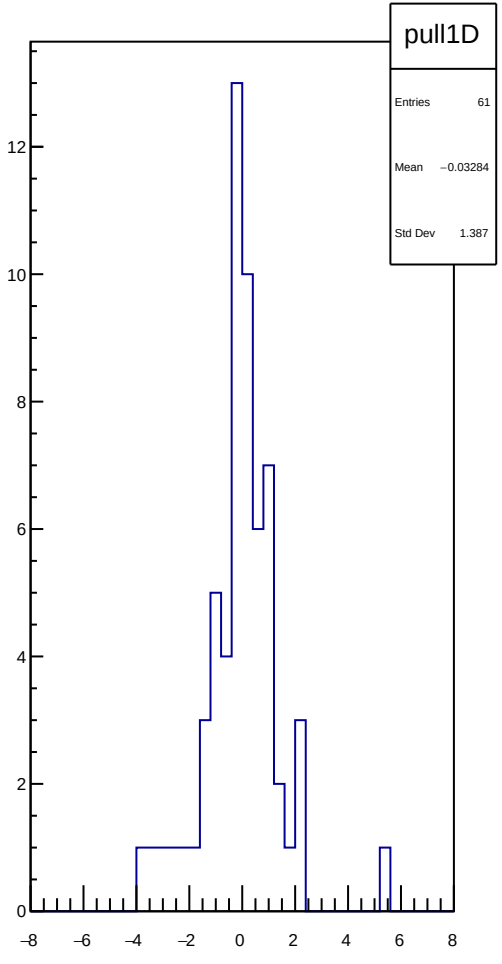

asym_bpm0l06WS_rms vs run
χ² / ndf 2.239e+04 / 60
p0 200.9 ± 0.1857
450
400
350
300
250
200
150

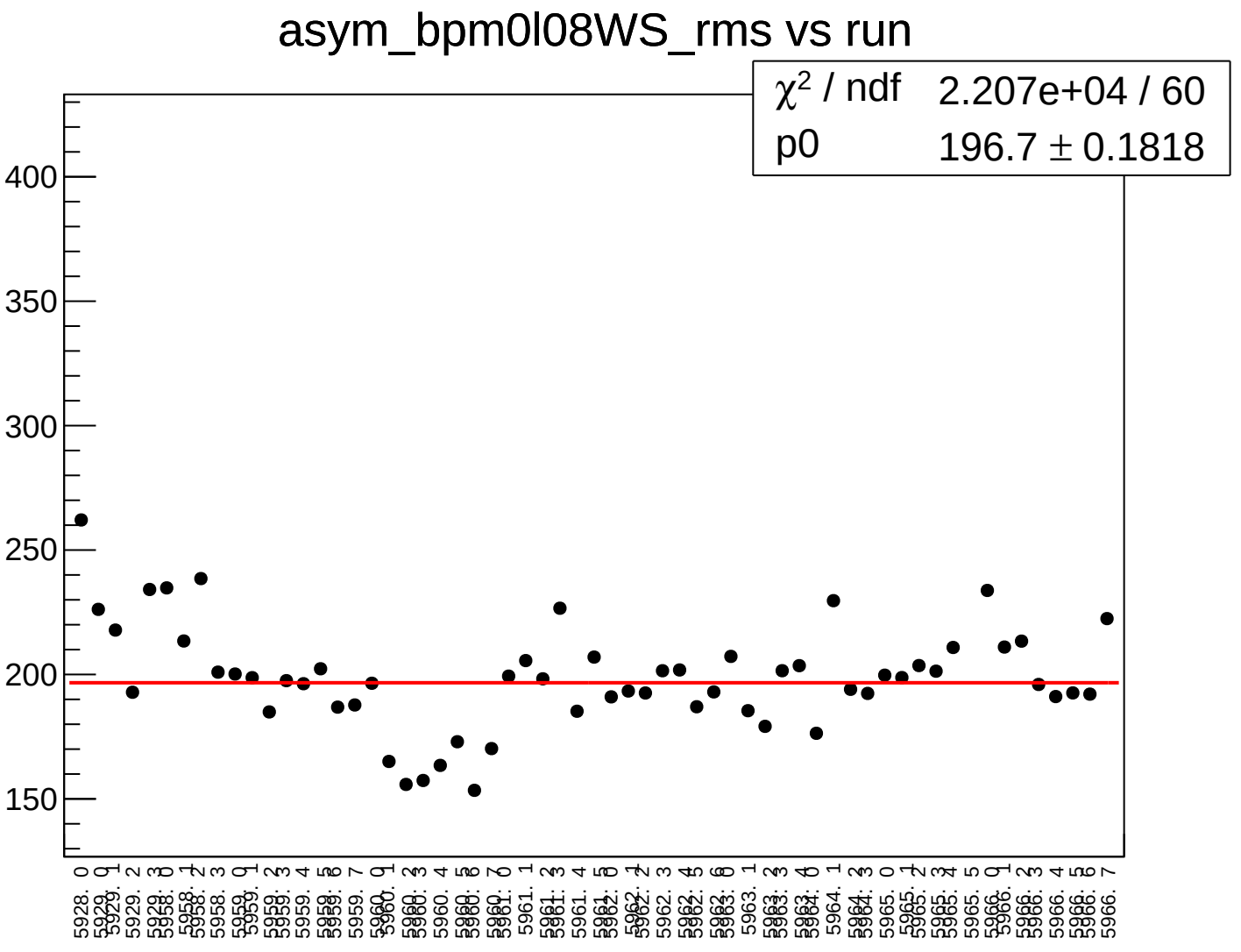

asym_bpm0l07WS_mean vs run
χ² / ndf 108.6 / 60
p0 1806 ± 256.7
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −165.3
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

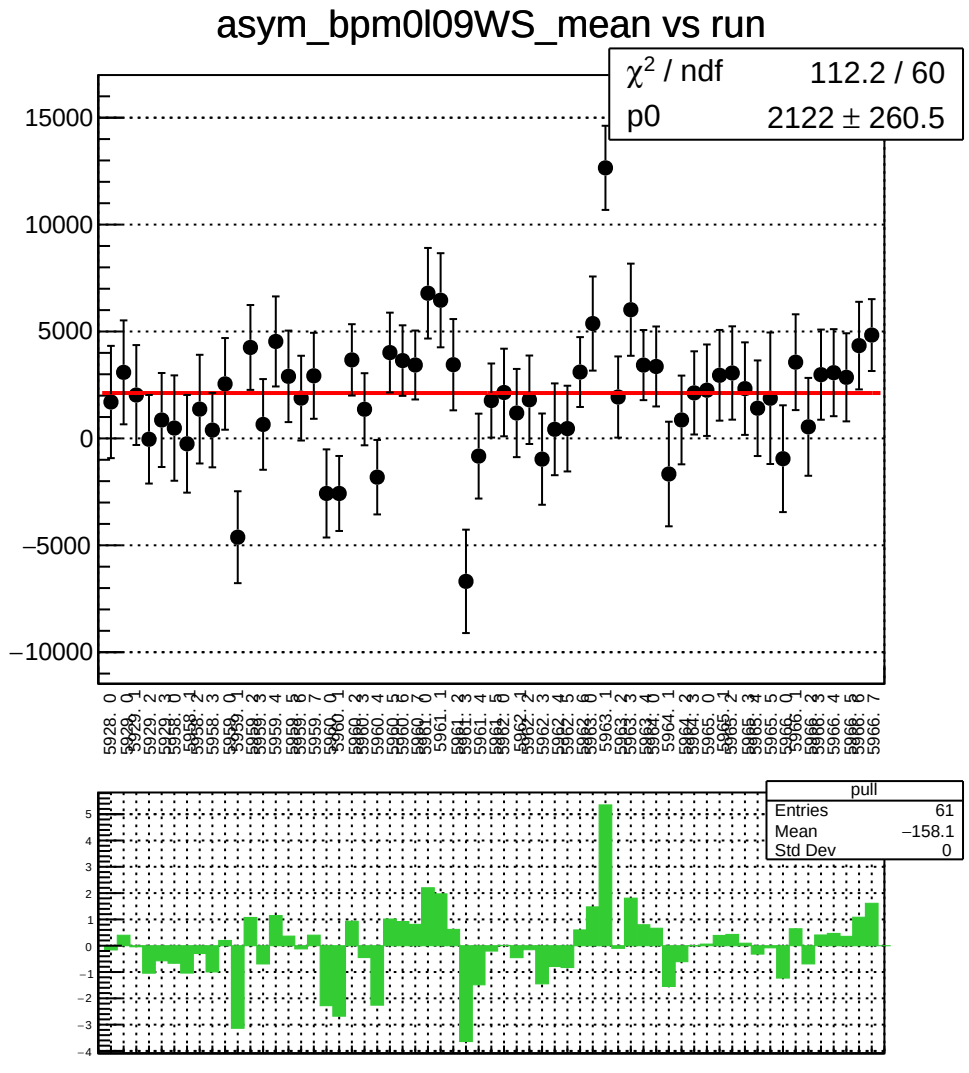

pull1D
Entries 61
Mean −0.03215
Std Dev 1.334
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

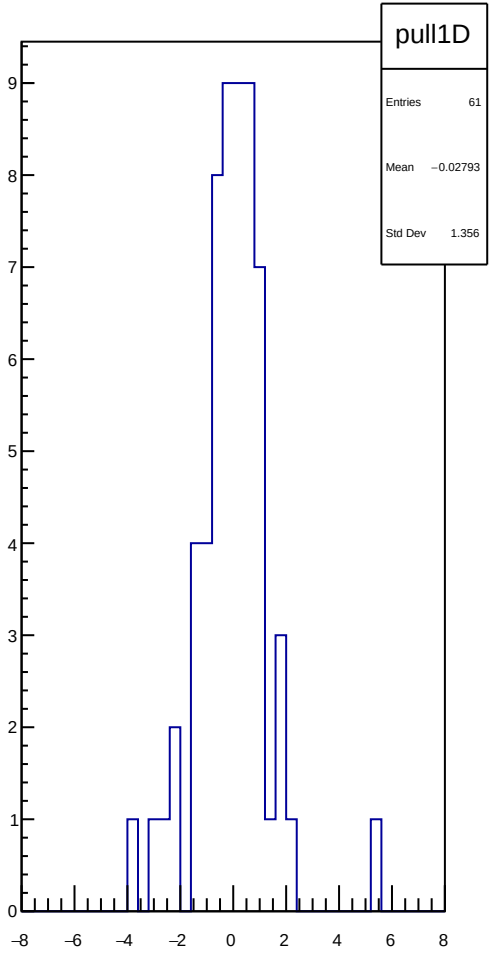

asym_bpm0l07WS_rms vs run
χ² / ndf 2.173e+04 / 60
p0 196.4 ± 0.1815
400
350
300
250
200
150

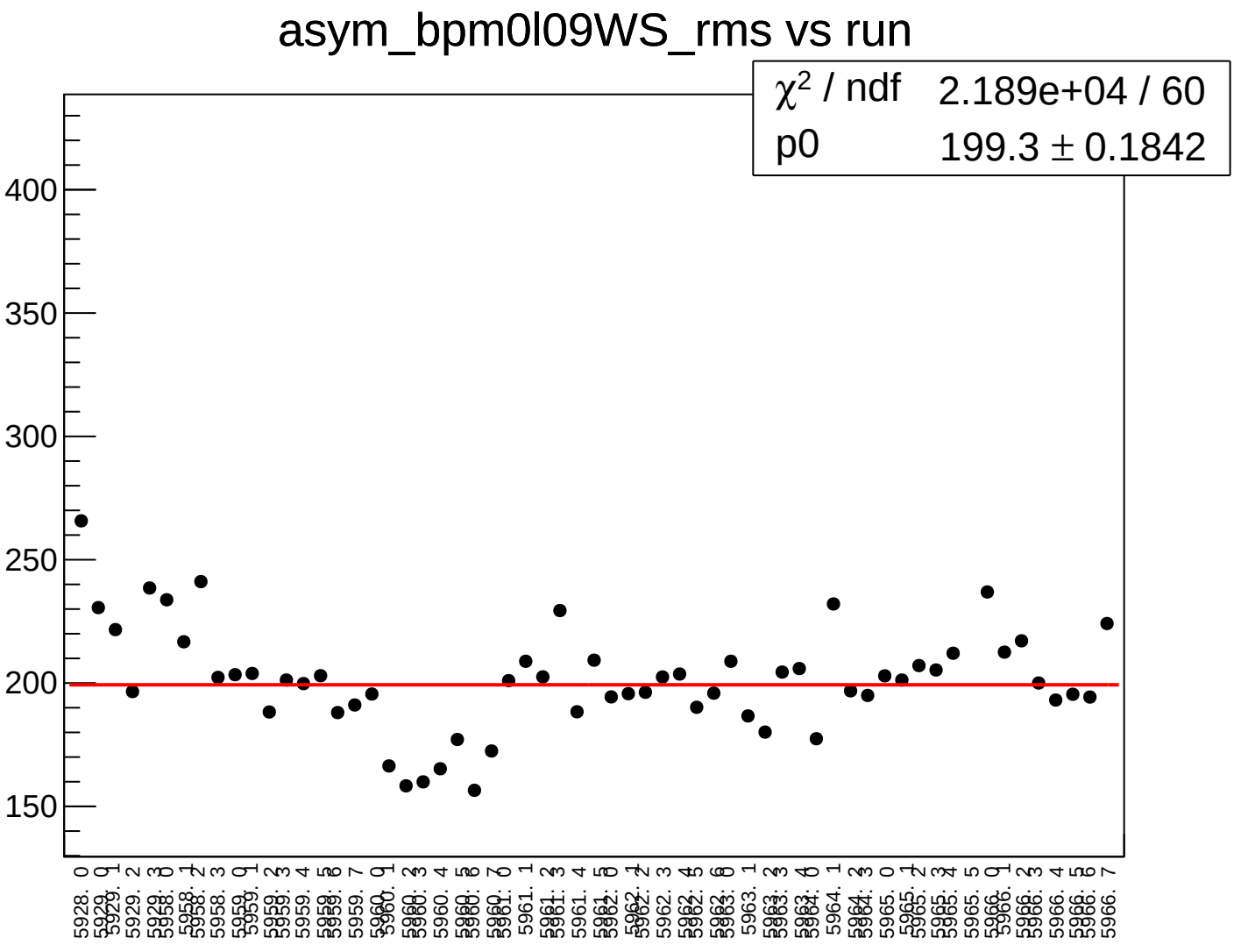

asym_bpm0l08WS_mean vs run
χ² / ndf 117.4 / 60
p0 1938 ± 257.1
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −172.4
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
−4

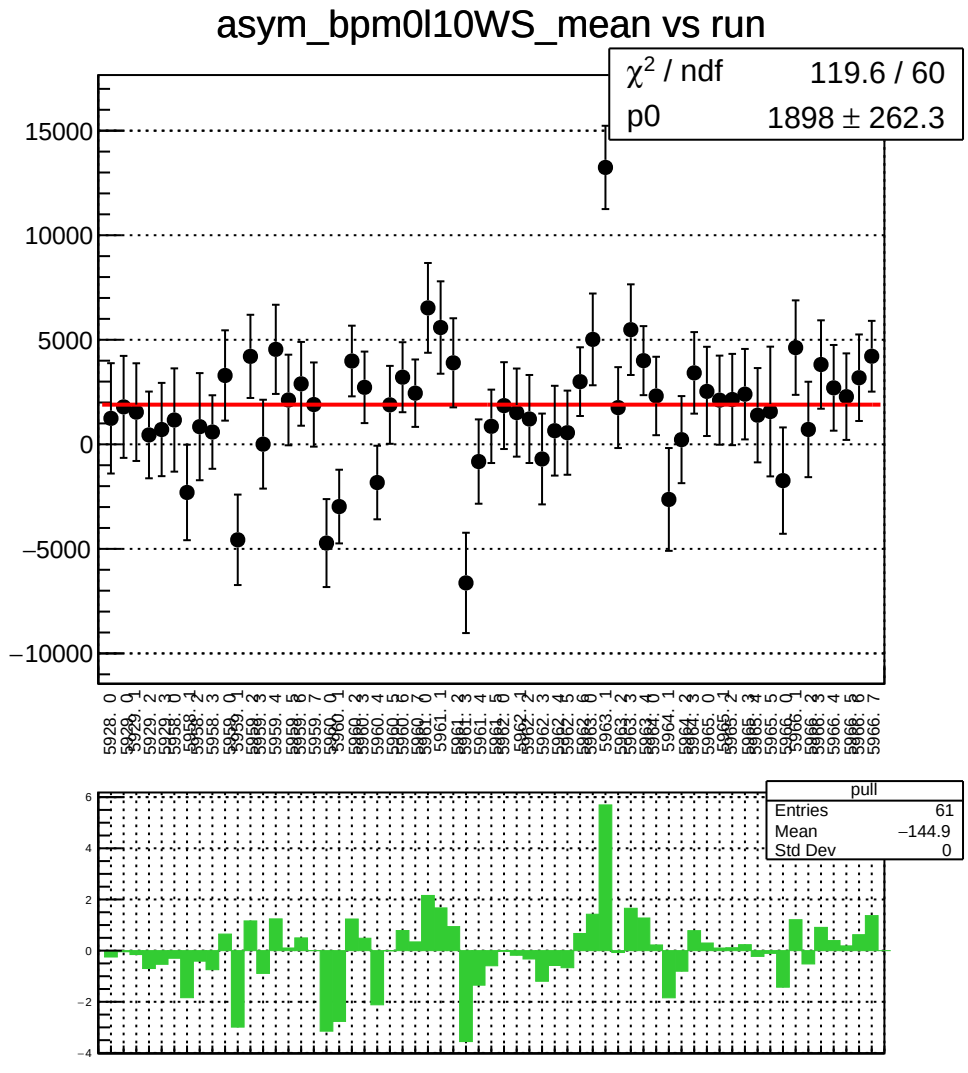

pull1D
Entries 61
Mean −0.03284
Std Dev 1.387
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

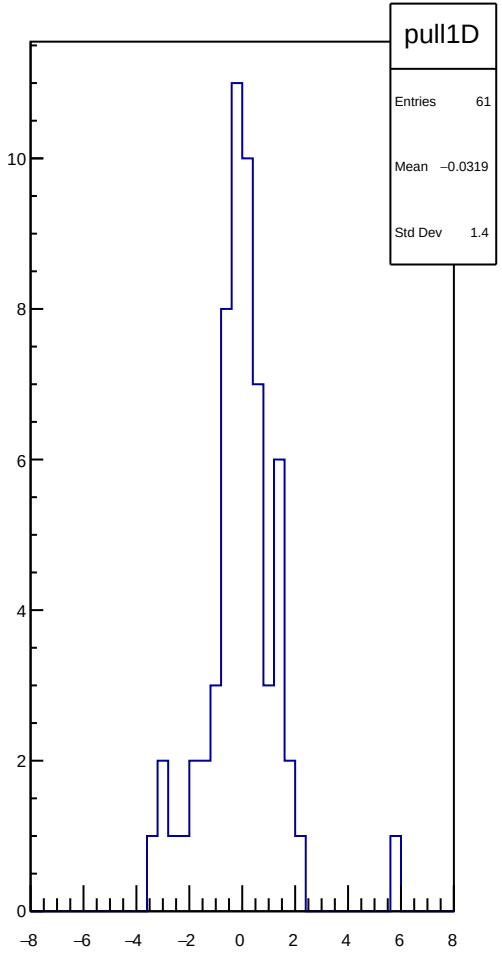

asym_bpm0l08WS_rms vs run
χ² / ndf 2.207e+04 / 60
p0 196.7 ± 0.1818
400
350
300
250
200
150

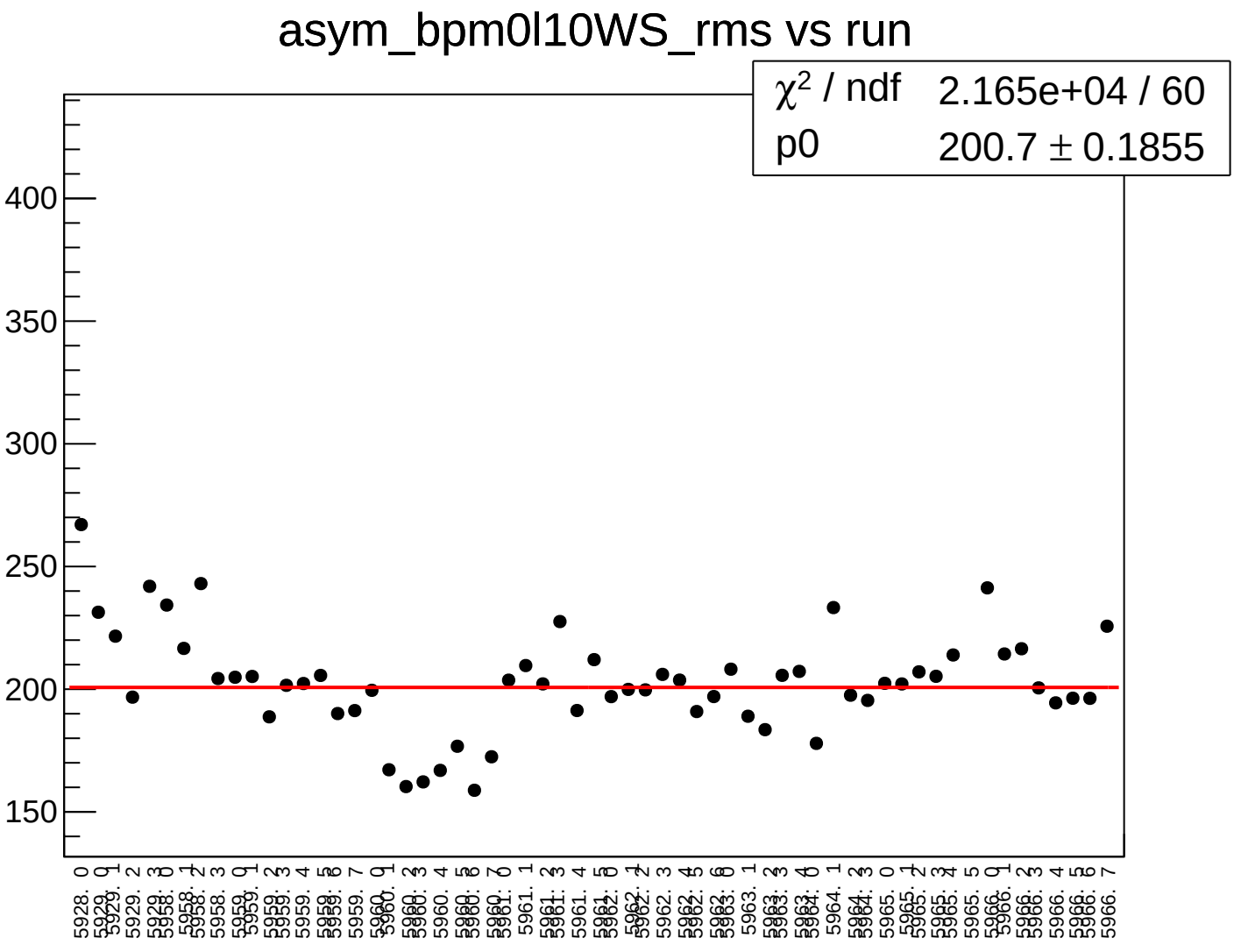

asym_bpm0l09WS_mean vs run
χ² / ndf 112.2 / 60
p0 2122 ± 260.5
pull
Entries 61
Mean −158.1
Std Dev 0

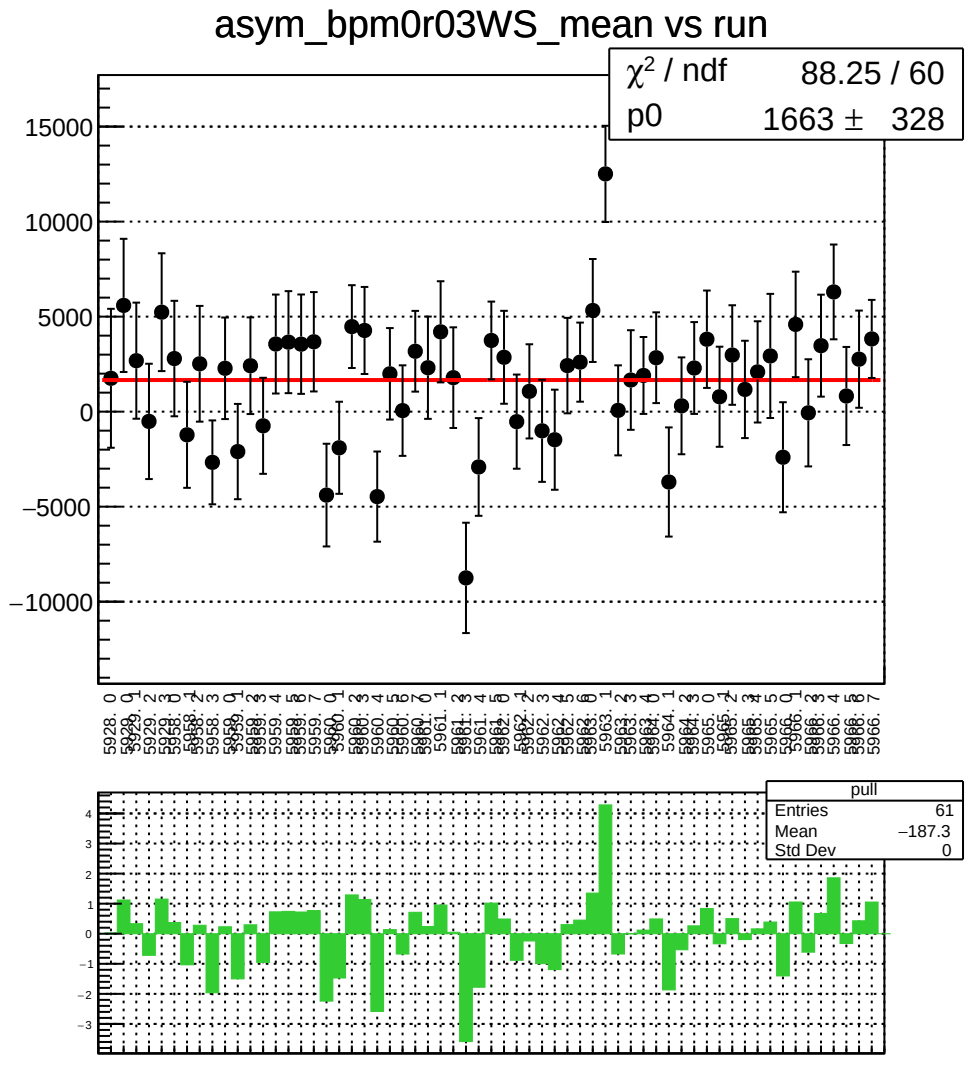

pull1D
Entries 61
Mean −0.02793
Std Dev 1.356

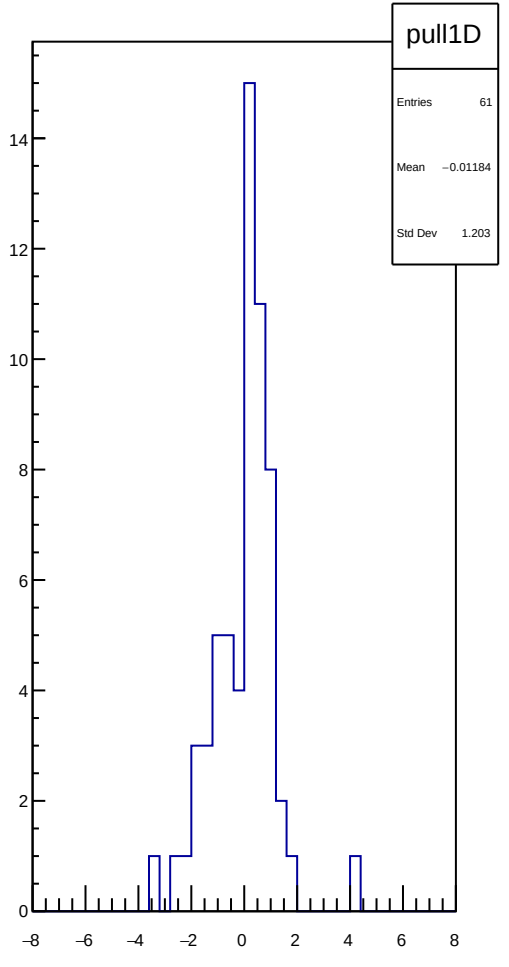

asym_bpm0l09WS_rms vs run
χ² / ndf 2.189e+04 / 60
p0 199.3 ± 0.1842
400
350
300
250
200
150

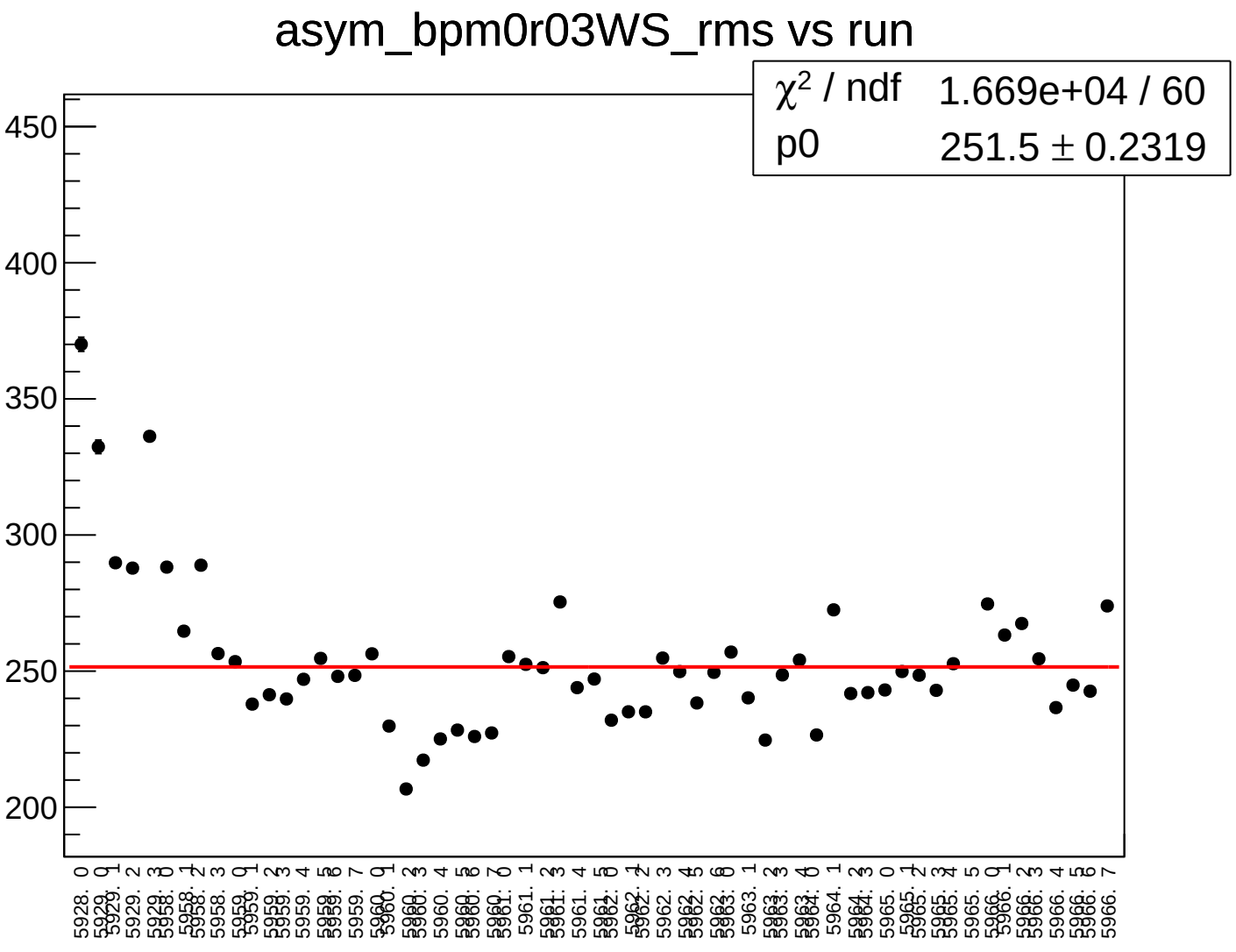

asym_bpm0l10WS_mean vs run
χ² / ndf 119.6 / 60
p0 1898 ± 262.3
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −144.9
Std Dev 0
6
4
2
0
−2
−4

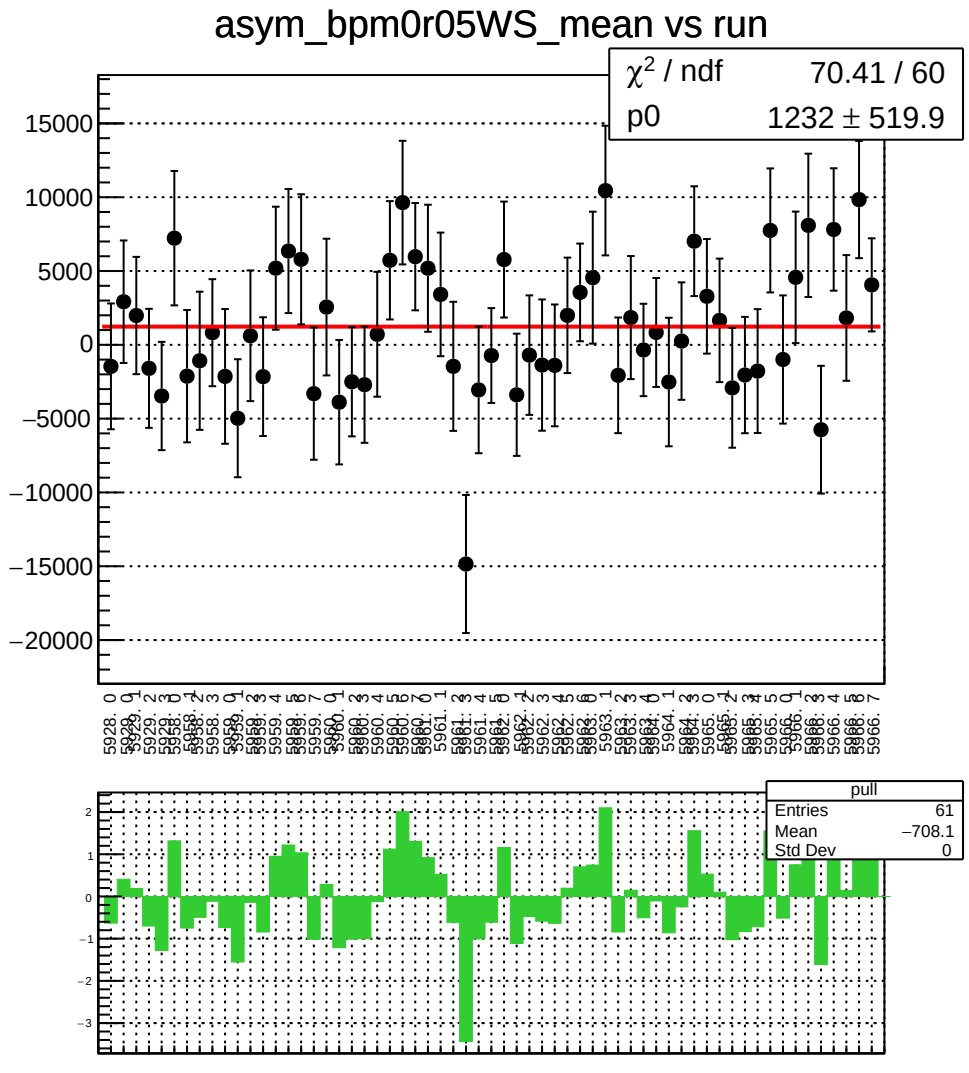

pull1D
Entries 61
Mean −0.0319
Std Dev 1.4
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

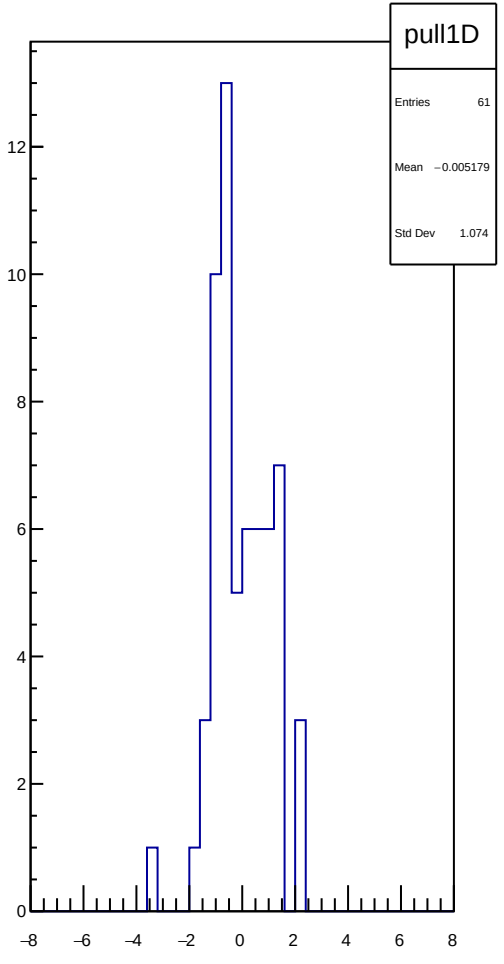

asym_bpm0l10WS_rms vs run
χ² / ndf 2.165e+04 / 60
p0 200.7 ± 0.1855
400
350
300
250
200
150

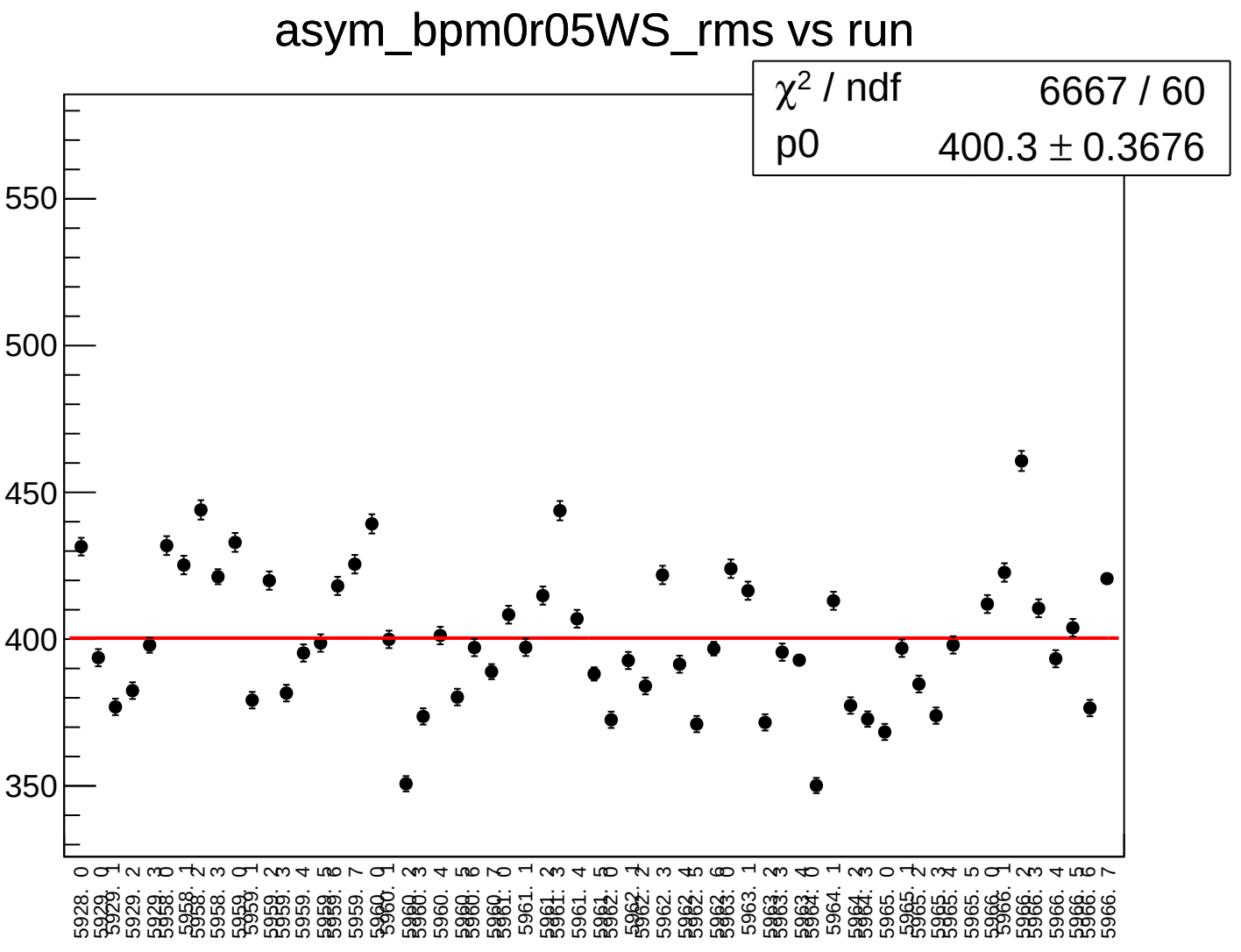

asym_bpm0r03WS_mean vs run
χ² / ndf 88.25 / 60
p0 1663 ± 328
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −187.3
Std Dev 0
4
3
2
1
0
−1
−2
−3

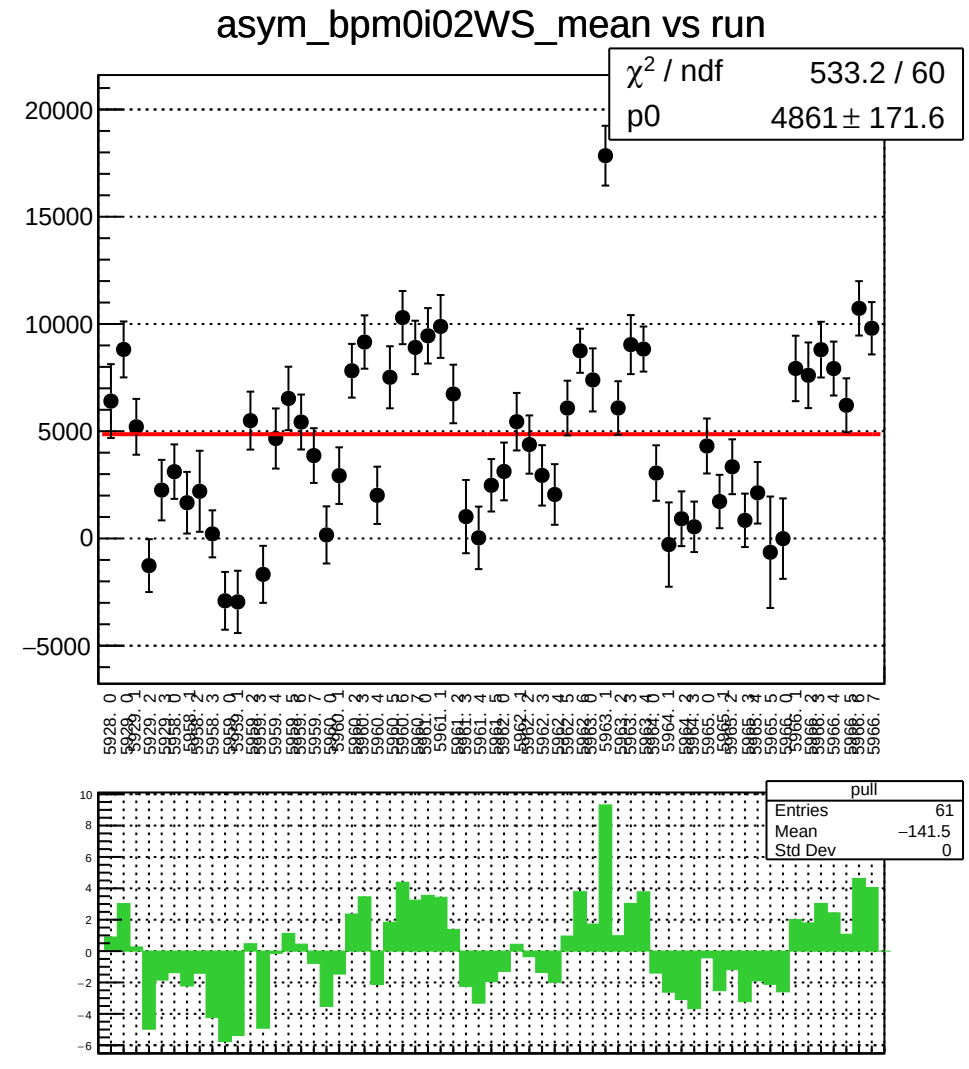

pull1D
Entries 61
Mean −0.01184
Std Dev 1.203
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

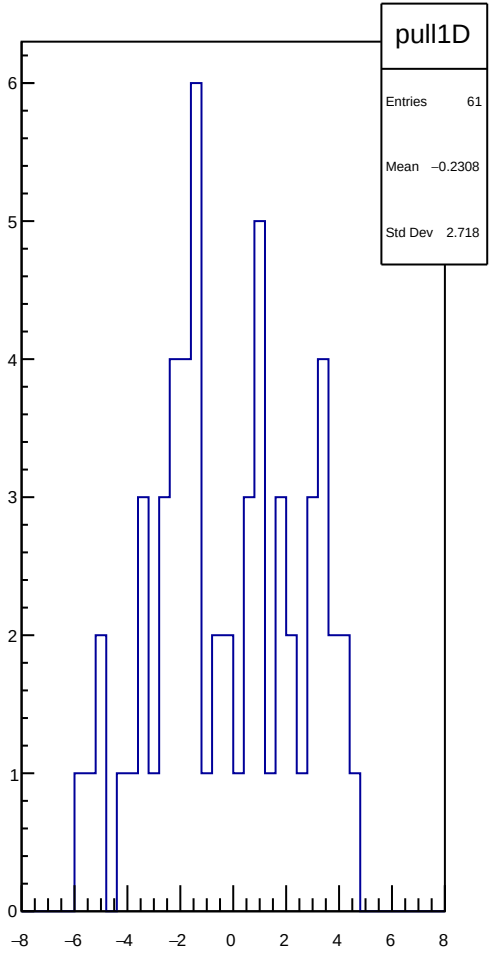

asym_bpm0r03WS_rms vs run
χ² / ndf 1.669e+04 / 60
p0 251.5 ± 0.2319
450
400
350
300
250
200

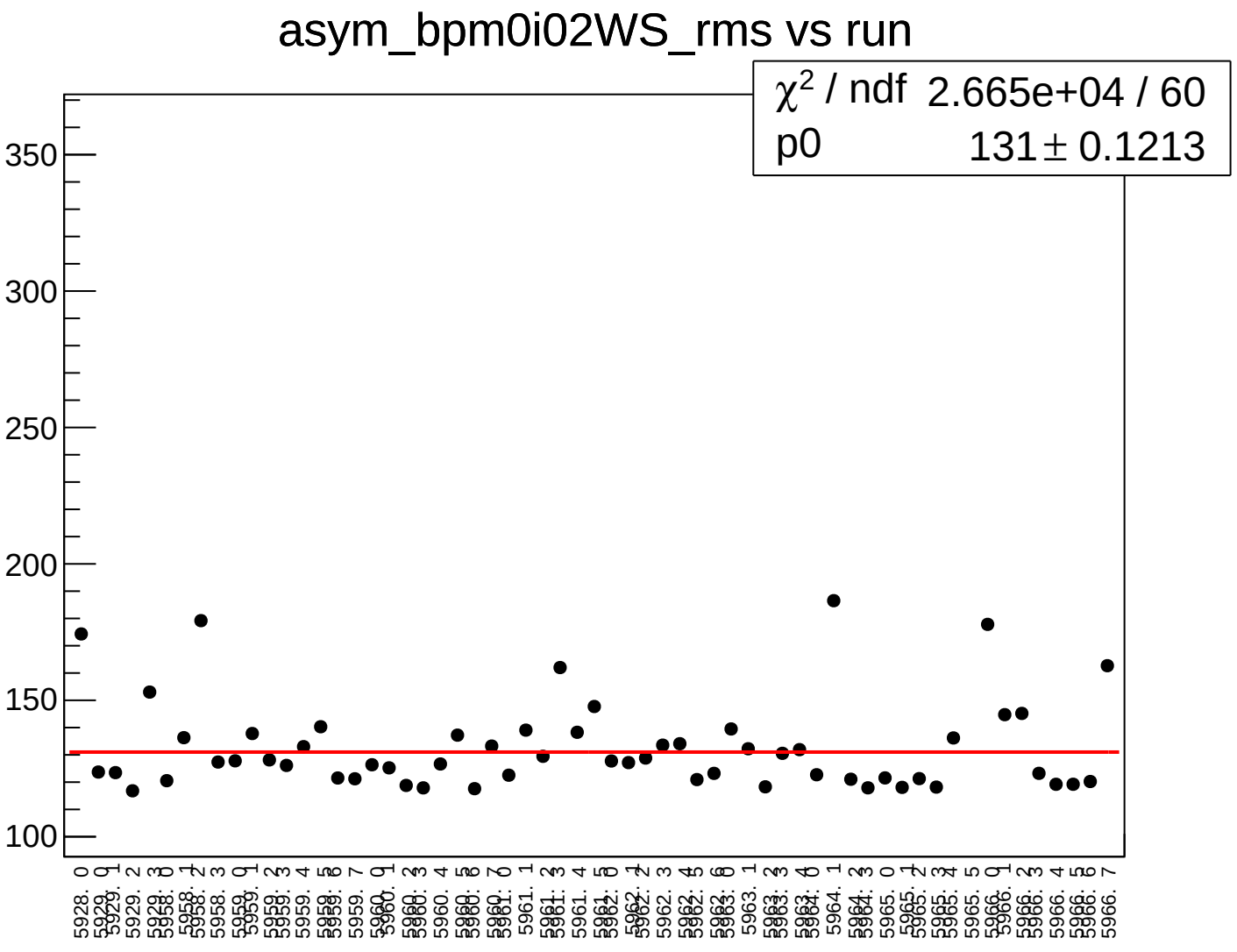

asym_bpm0r05WS_mean vs run
χ² / ndf 70.41 / 60
p0 1232 ± 519.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 61
Mean −708.1
Std Dev 0
2
1
0
−1
−2
−3

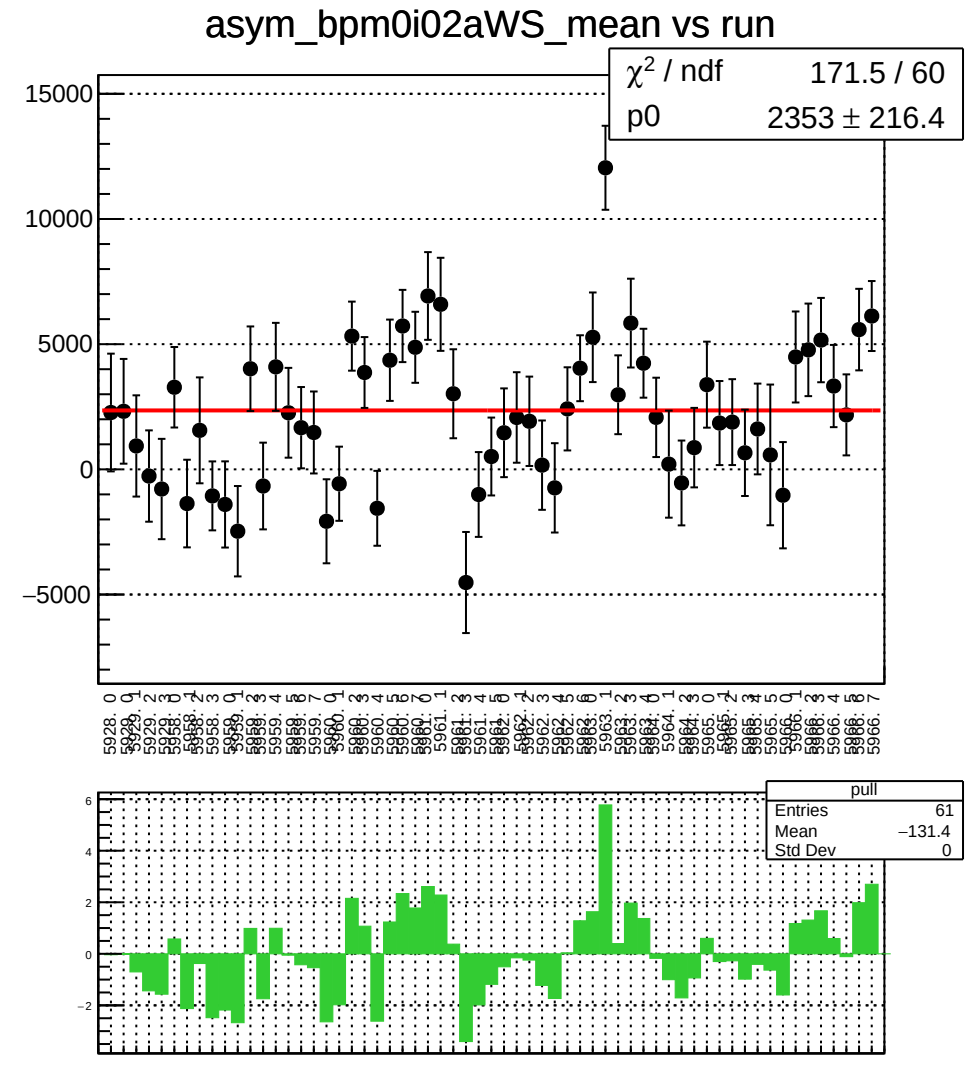

pull1D
Entries 61
Mean −0.005179
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

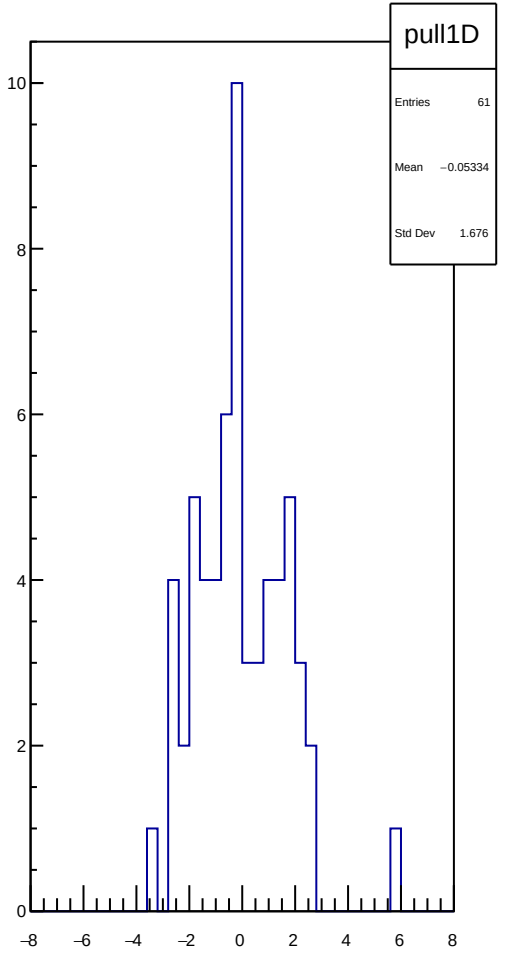

asym_bpm0r05WS_rms vs run
χ² / ndf 6667 / 60
p0 400.3 ± 0.3676
550
500
450
400
350

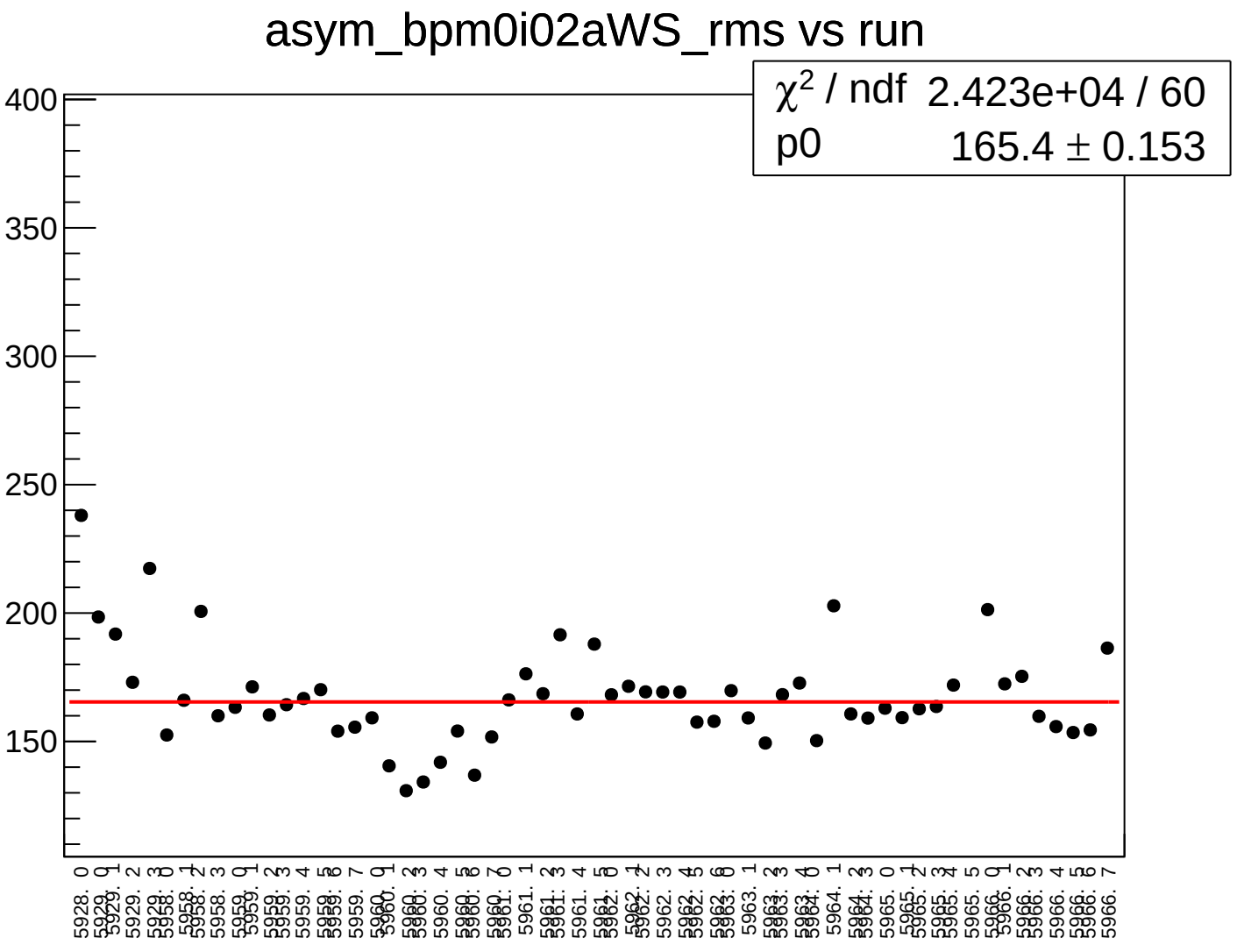

asym_bpm0i02WS_mean vs run
χ² / ndf 533.2 / 60
p0 4861 ± 171.6
pull
Entries 61
Mean −141.5
Std Dev 0

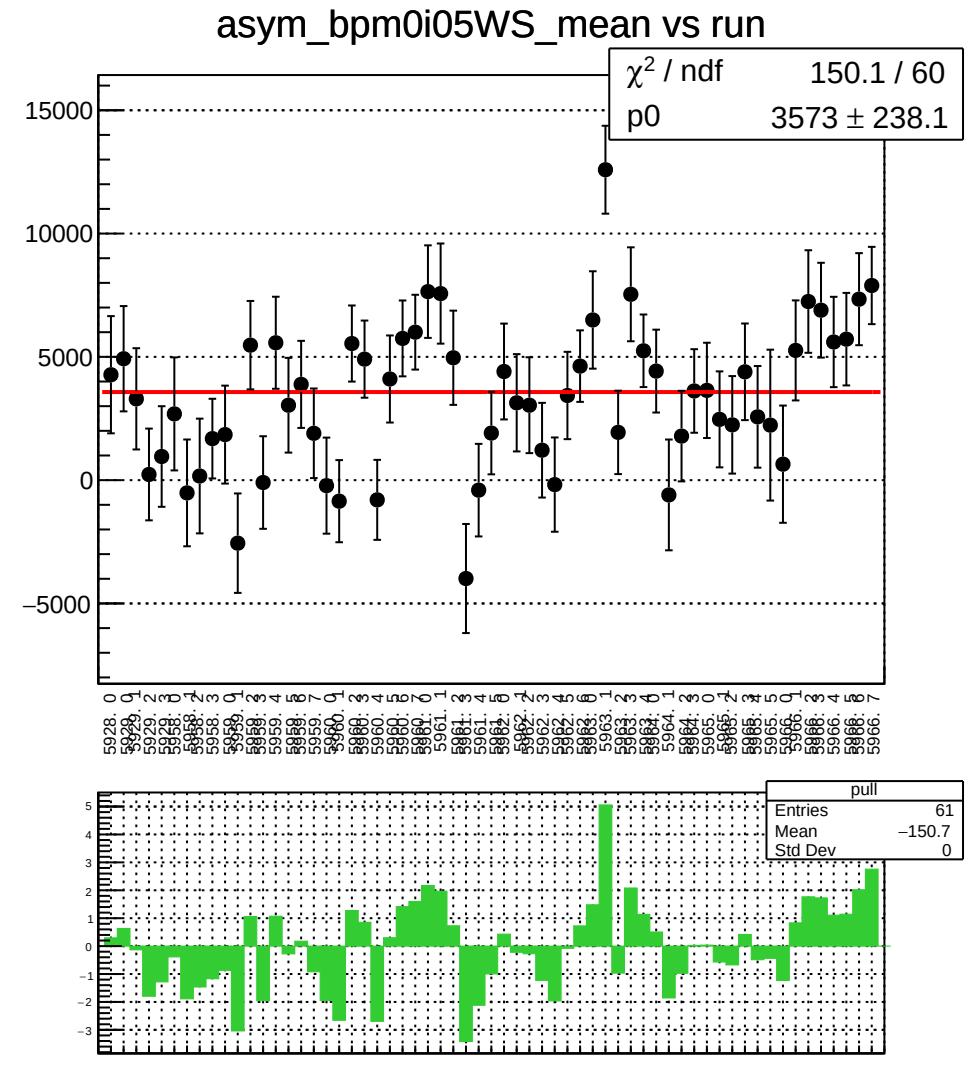

pull1D
Entries 61
Mean −0.2308
Std Dev 2.718

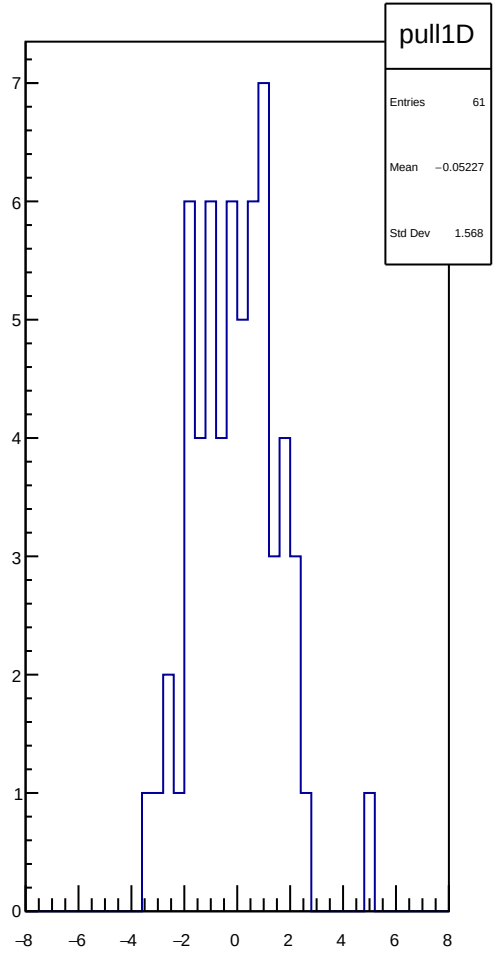

asym_bpm0i02WS_rms vs run
χ² / ndf 2.665e+04 / 60
p0 131 ± 0.1213
350
300
250
200
150
100

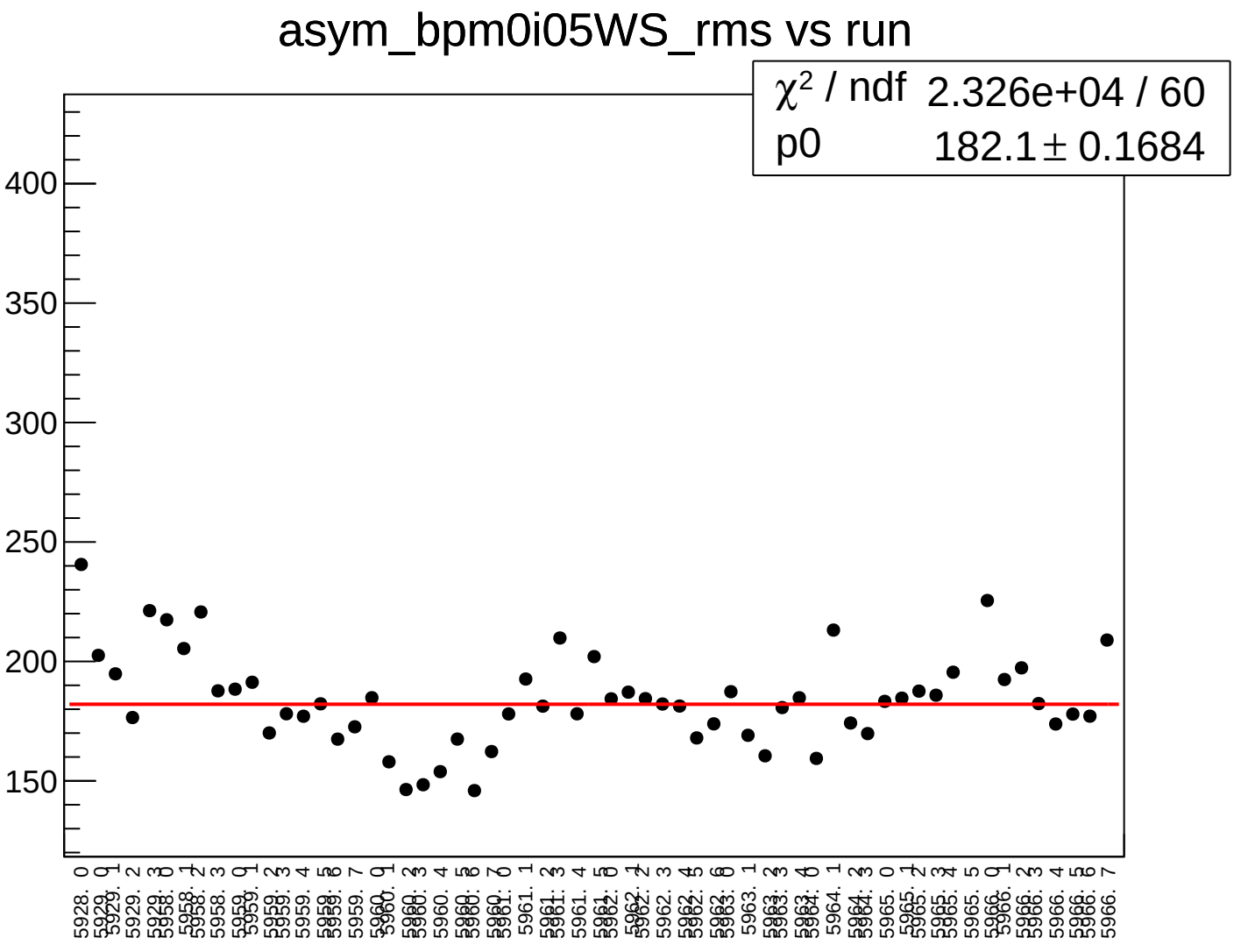

asym_bpm0i02aWS_mean vs run
χ² / ndf 171.5 / 60
p0 2353 ± 216.4
15000
10000
5000
0
−5000
pull
Entries 61
Mean −131.4
Std Dev 0
6
4
2
0
−2

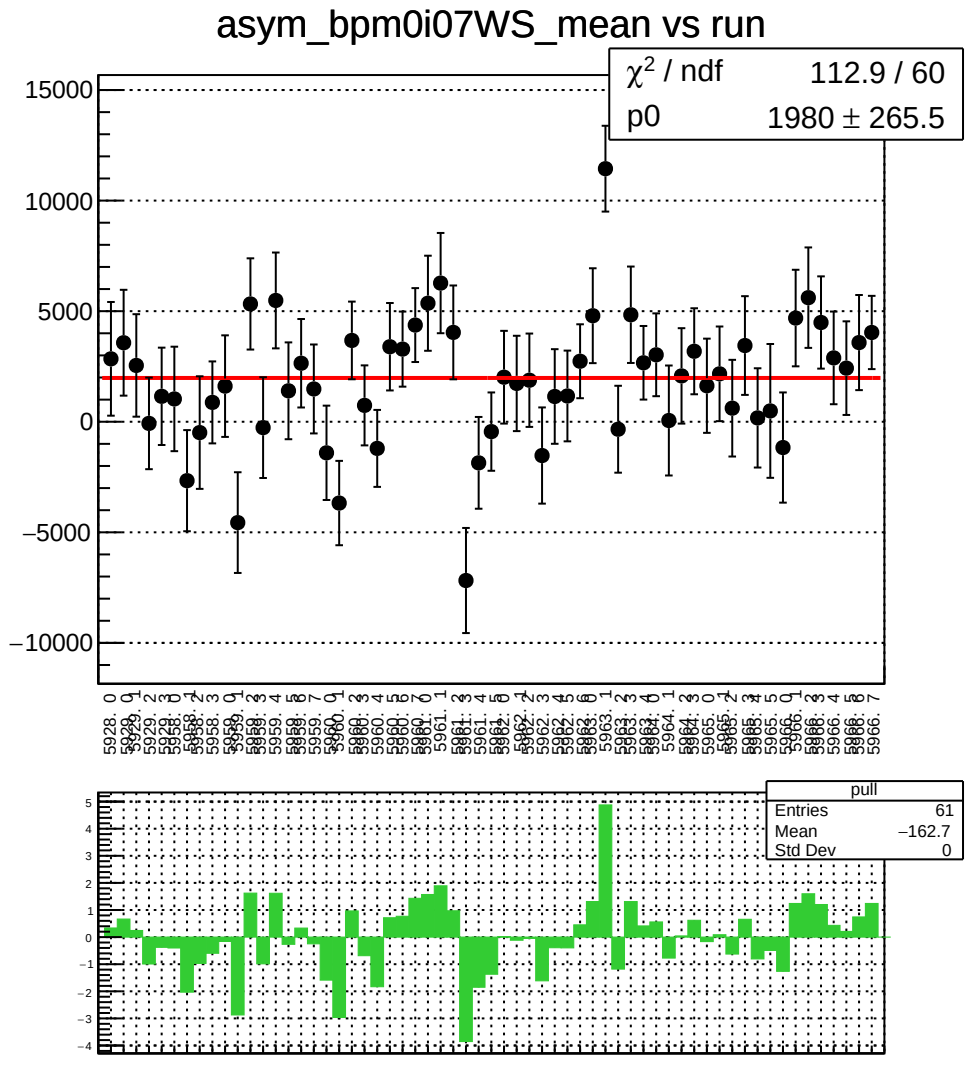

pull1D
Entries 61
Mean −0.05334
Std Dev 1.676
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

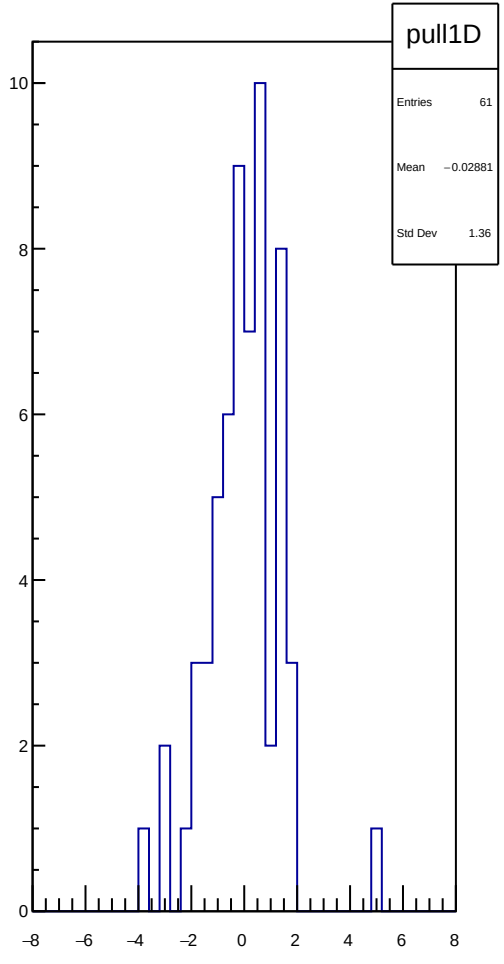

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.423e+04 / 60
p0 165.4 ± 0.153
400
350
300
250
200
150

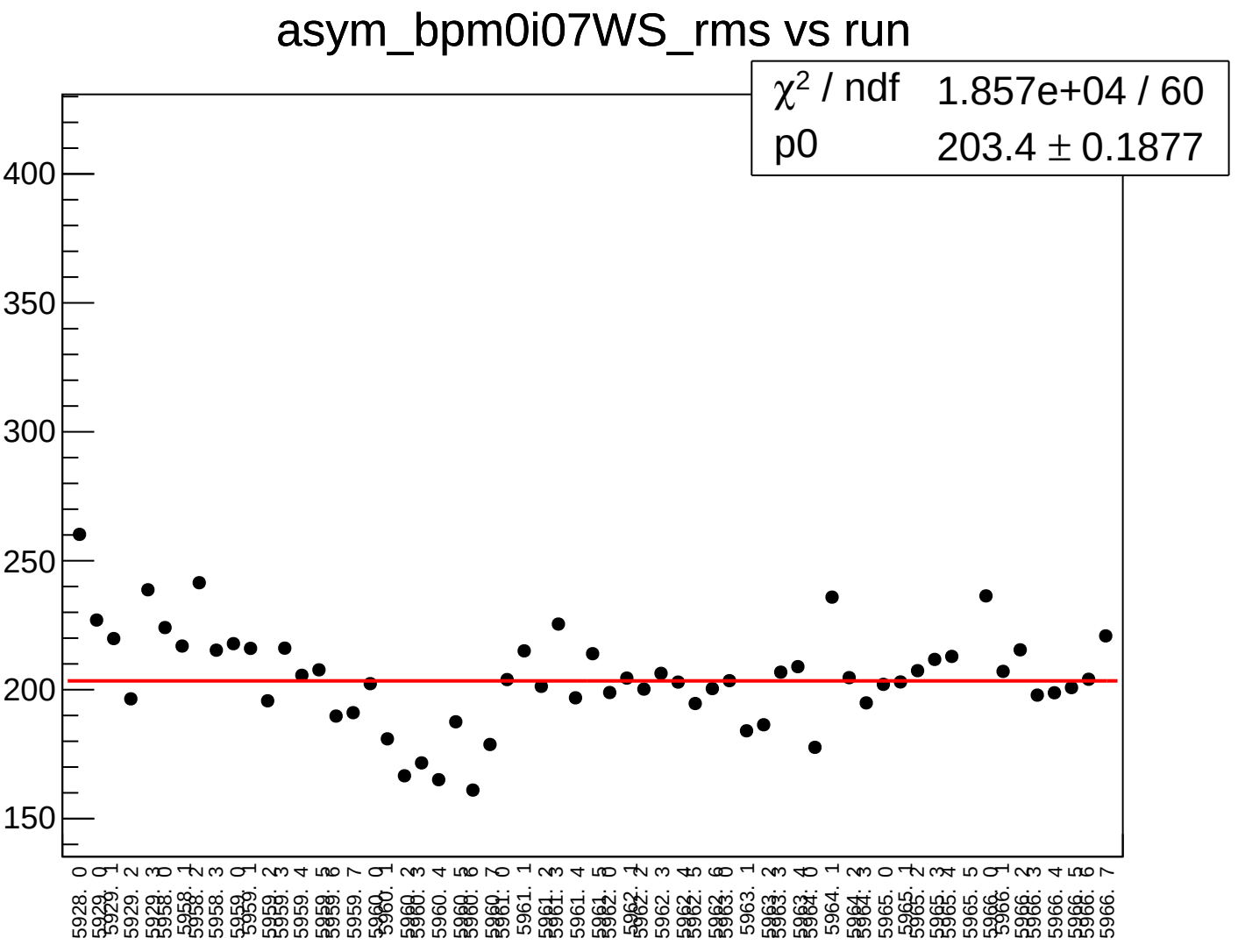

asym_bpm0i05WS_mean vs run
χ² / ndf 150.1 / 60
p0 3573 ± 238.1
15000
10000
5000
0
−5000
pull
Entries 61
Mean −150.7
Std Dev 0

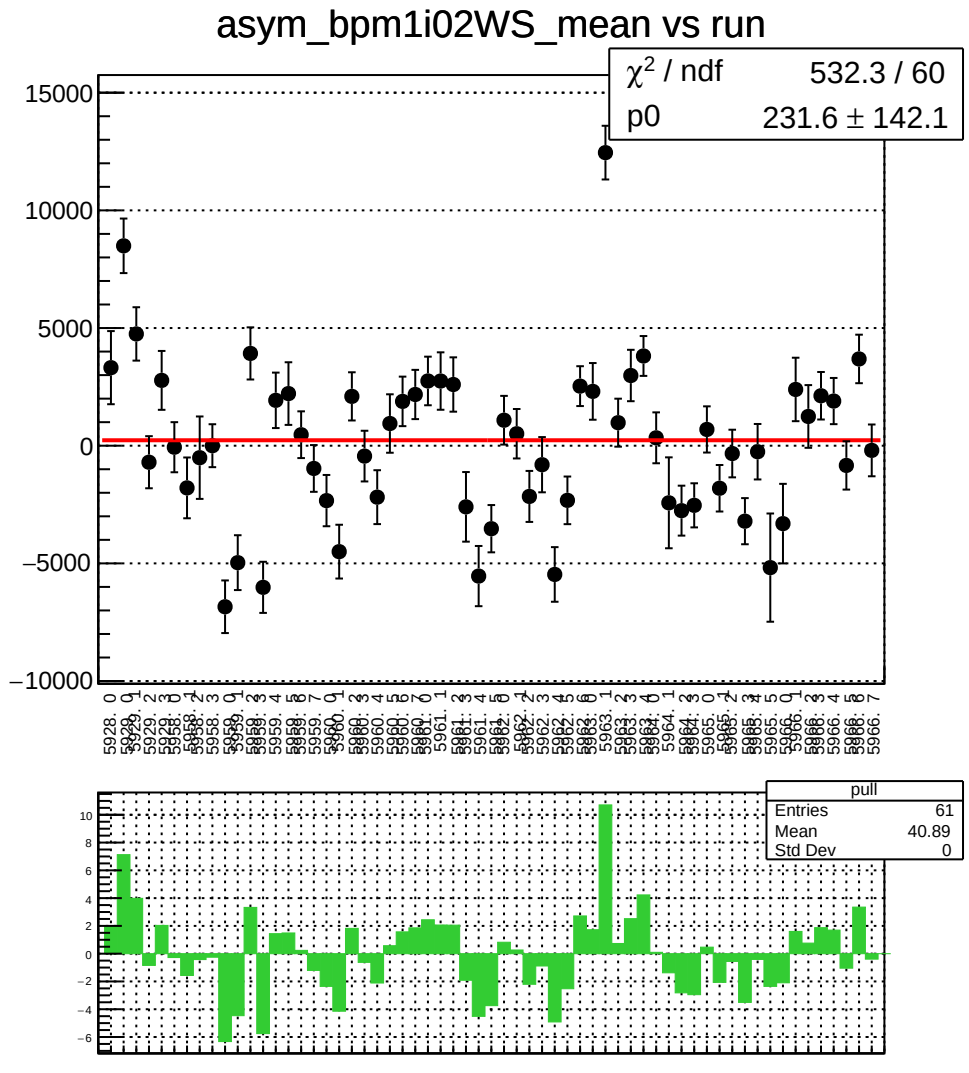

pull1D
Entries 61
Mean −0.05227
Std Dev 1.568

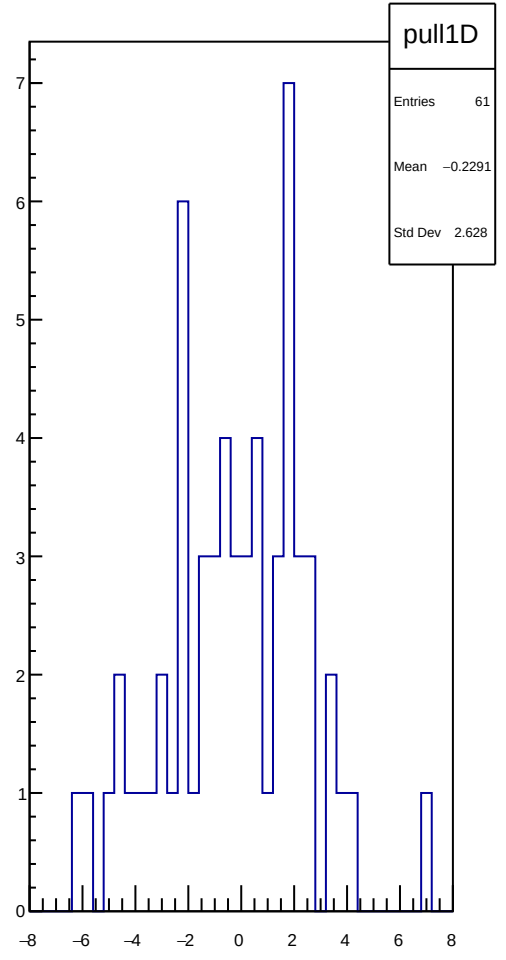

asym_bpm0i05WS_rms vs run
χ² / ndf 2.326e+04 / 60
p0 182.1 ± 0.1684
400
350
300
250
200
150

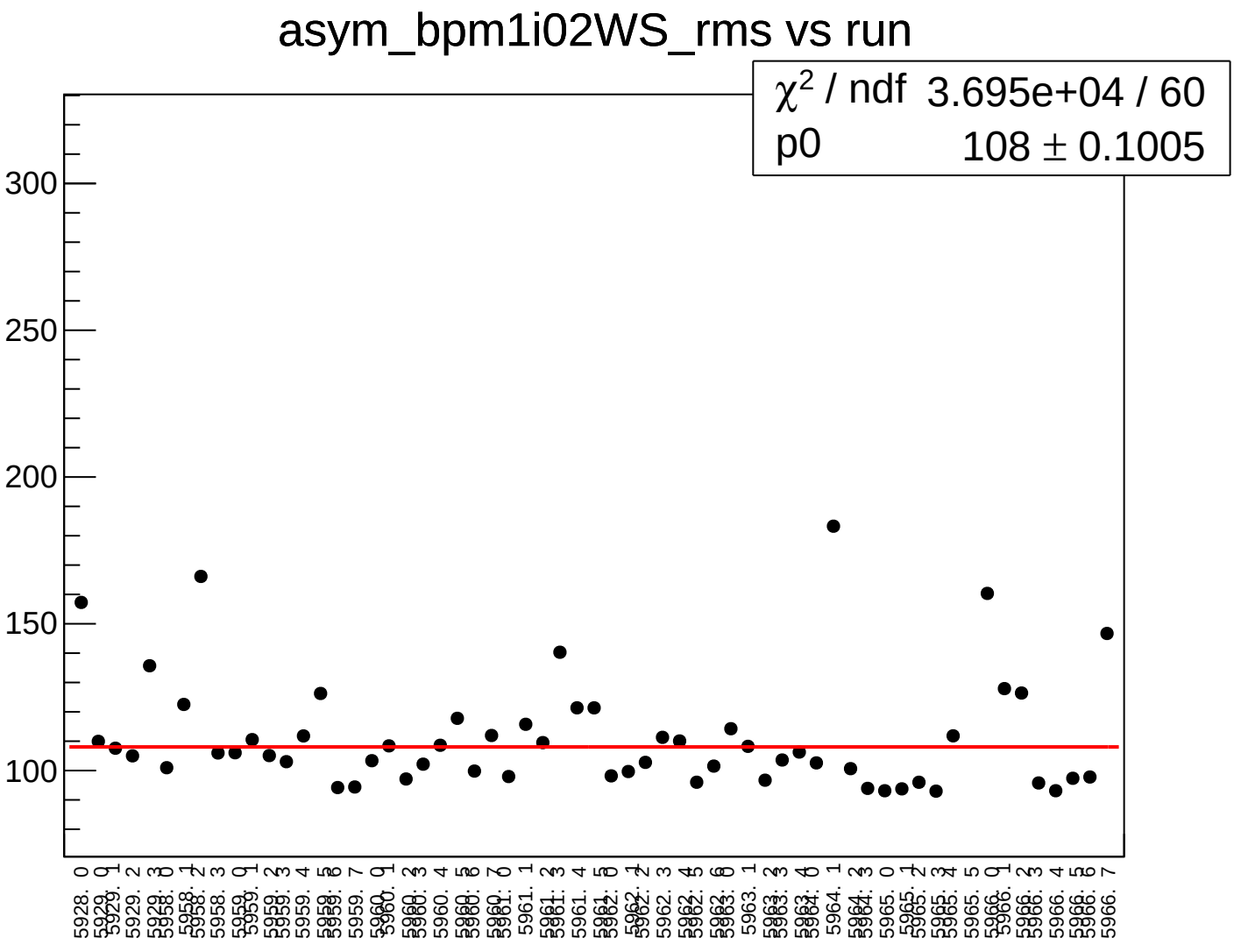

asym_bpm0i07WS_mean vs run
χ² / ndf 112.9 / 60
p0 1980 ± 265.5
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −162.7
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
−4

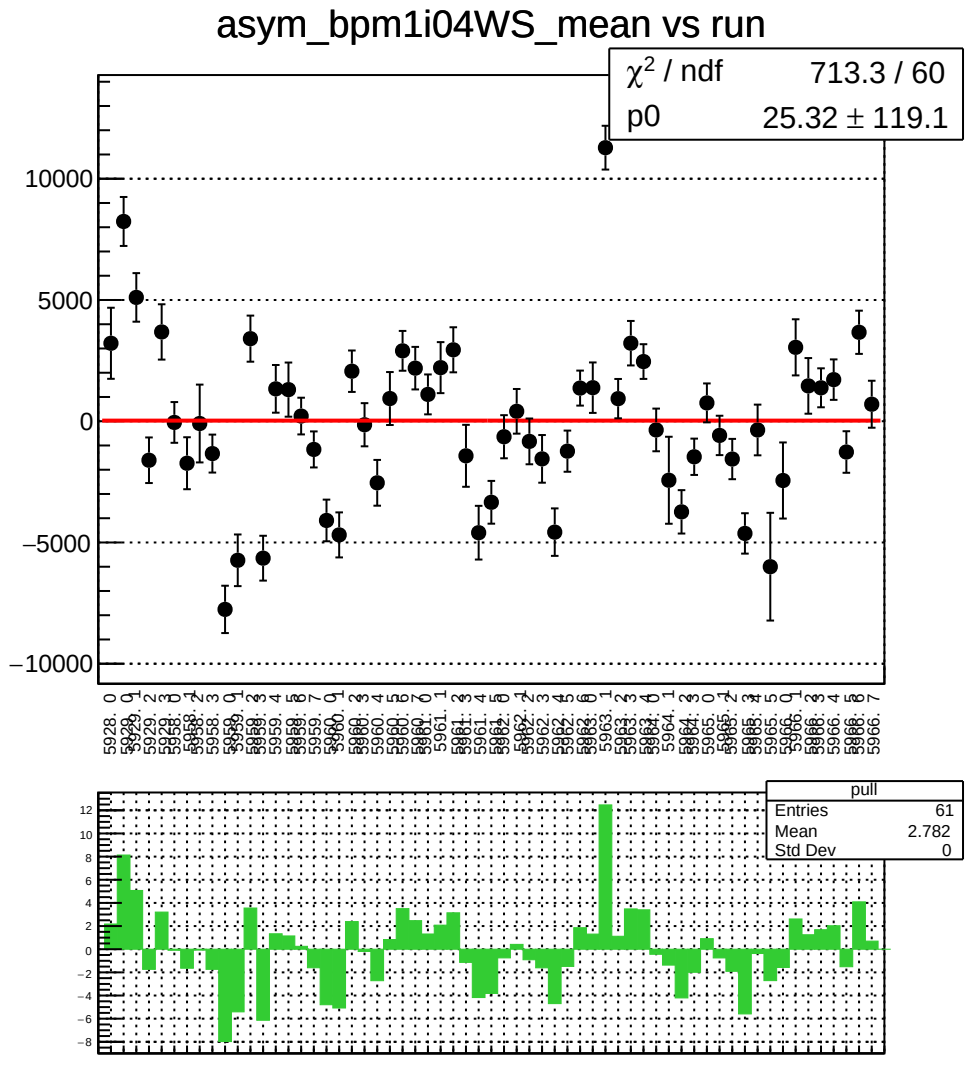

pull1D
Entries 61
Mean −0.02881
Std Dev 1.36
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

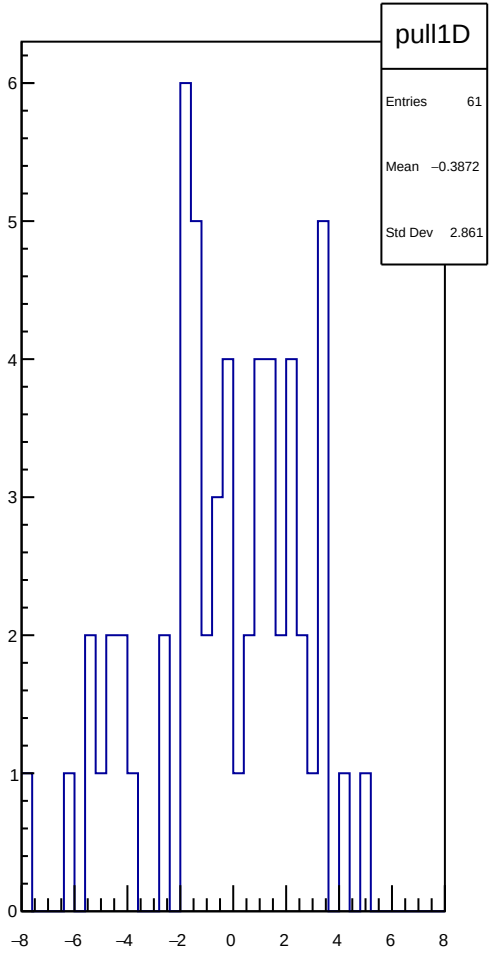

asym_bpm0i07WS_rms vs run
χ² / ndf 1.857e+04 / 60
p0 203.4 ± 0.1877
400
350
300
250
200
150

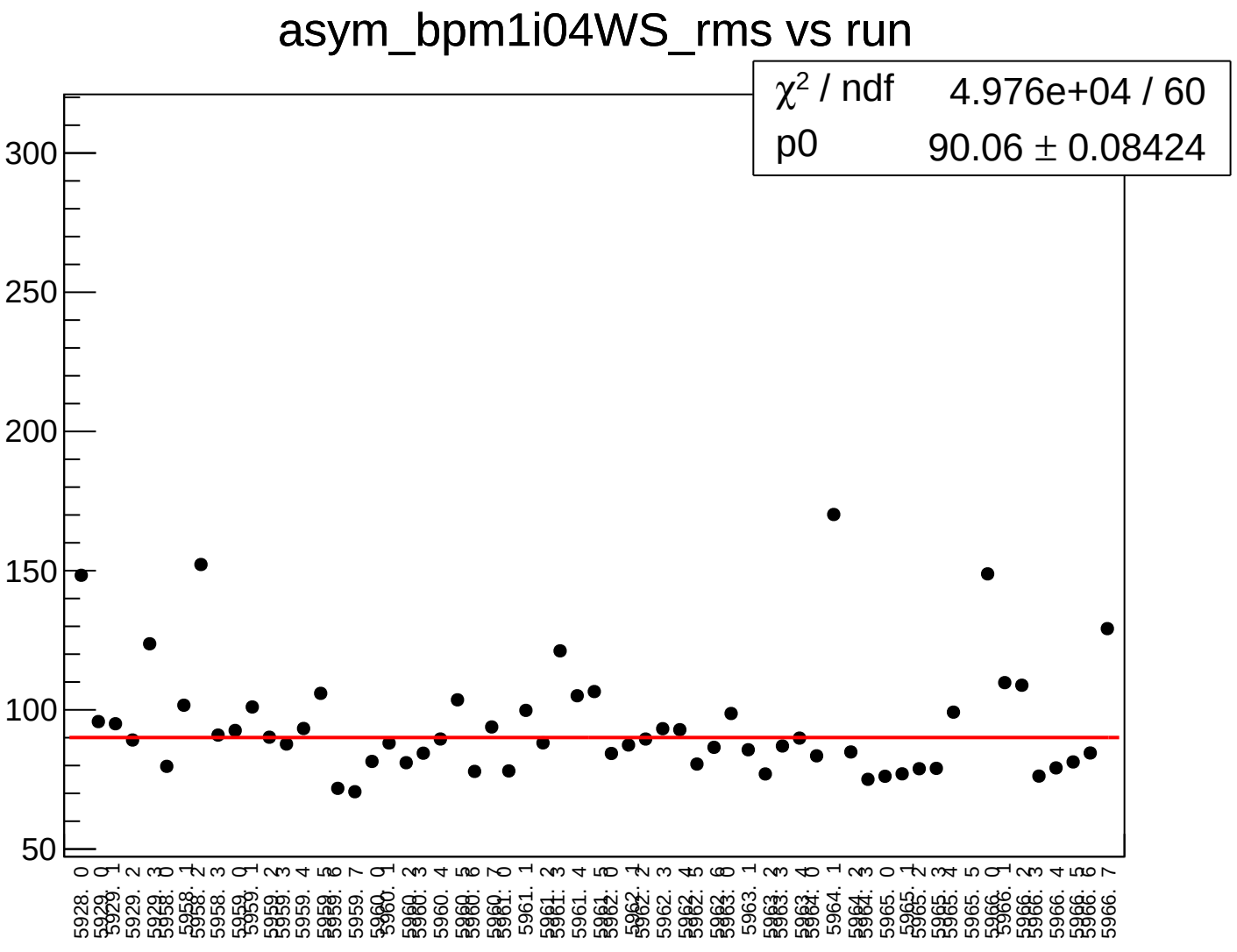

asym_bpm1i02WS_mean vs run
χ² / ndf 532.3 / 60
p0 231.6 ± 142.1
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 40.89
Std Dev 0
10
8
6
4
2
0
−2
−4
−6

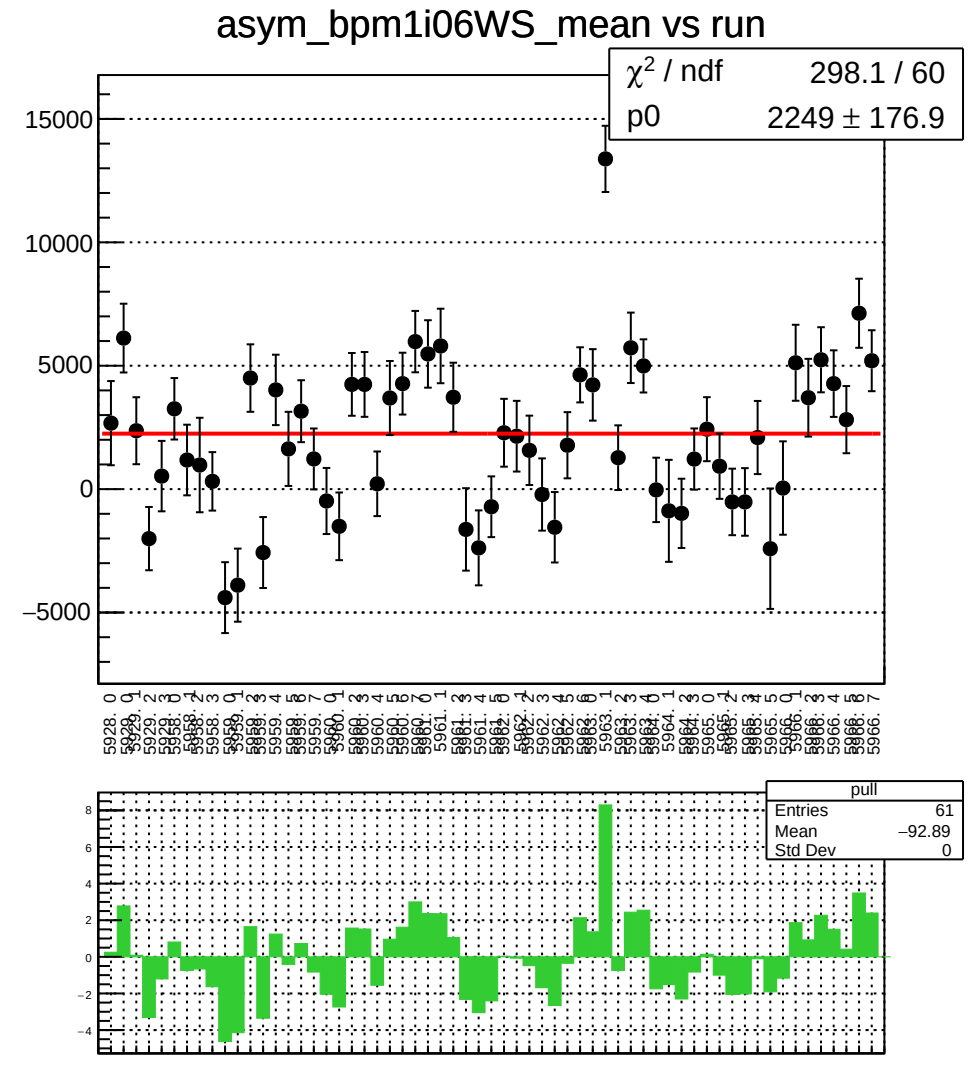

pull1D
Entries 61
Mean −0.2291
Std Dev 2.628
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

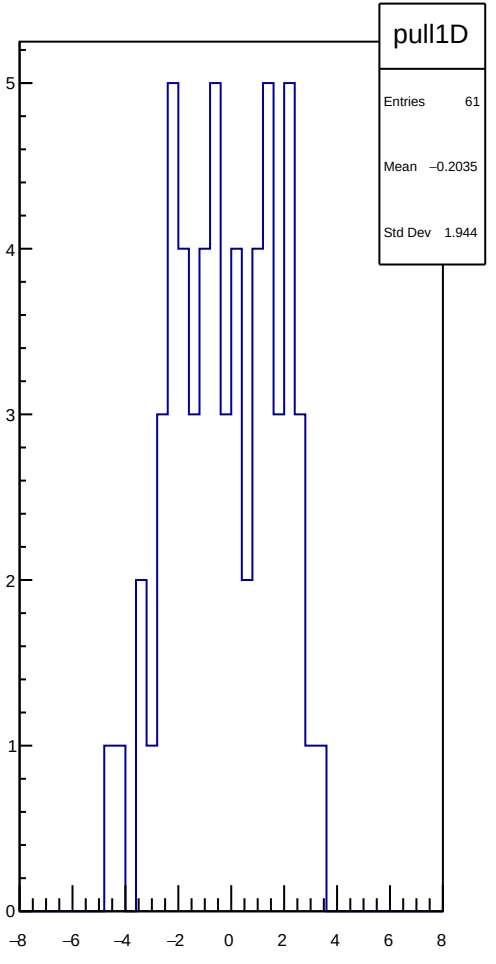

asym_bpm1i02WS_rms vs run
χ² / ndf 3.695e+04 / 60
p0 108 ± 0.1005
300
250
200
150
100

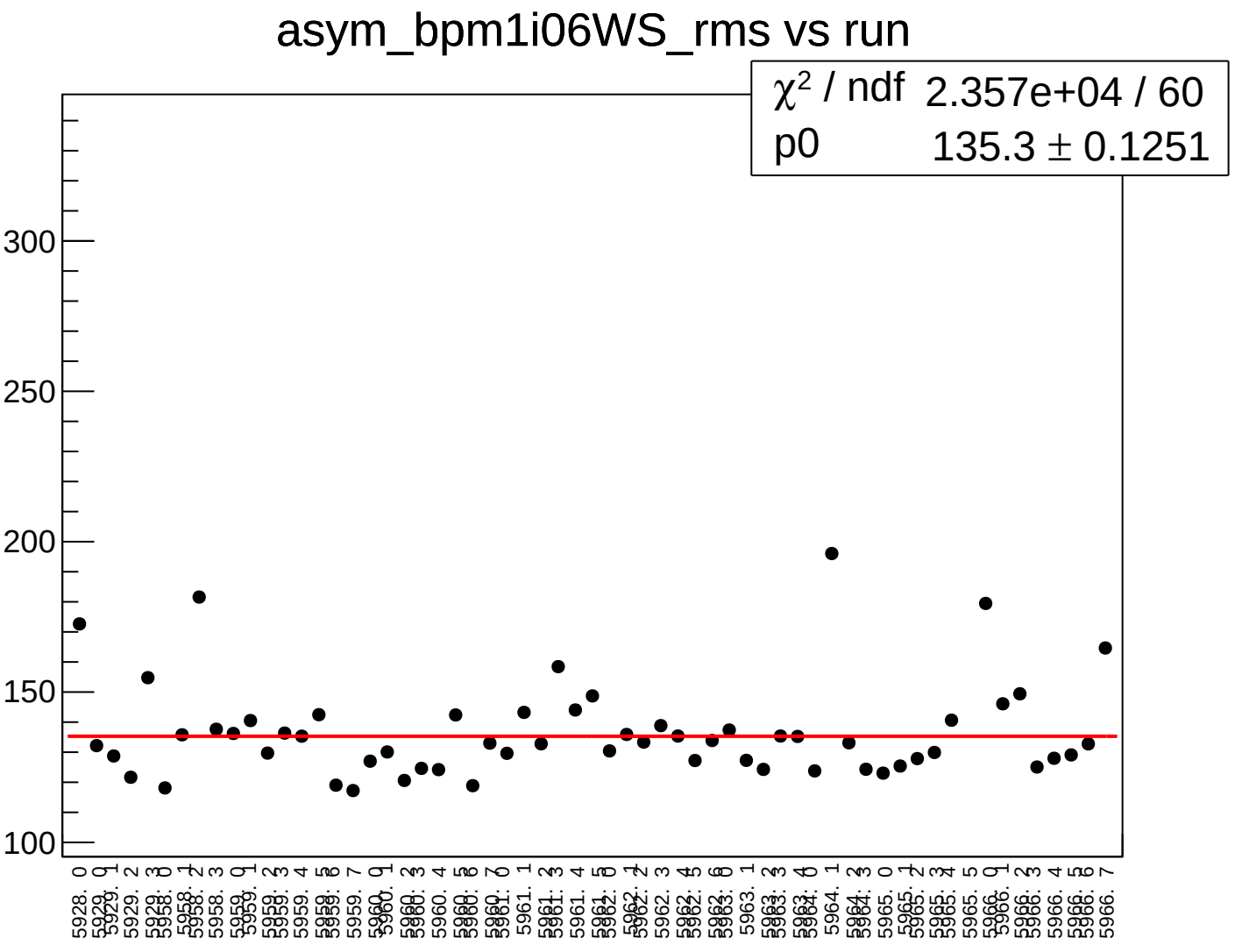

asym_bpm1i04WS_mean vs run
χ² / ndf 713.3 / 60
p0 25.32 ± 119.1
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 2.782
Std Dev 0
12
10
8
6
4
2
0
−2
−4
−6
−8

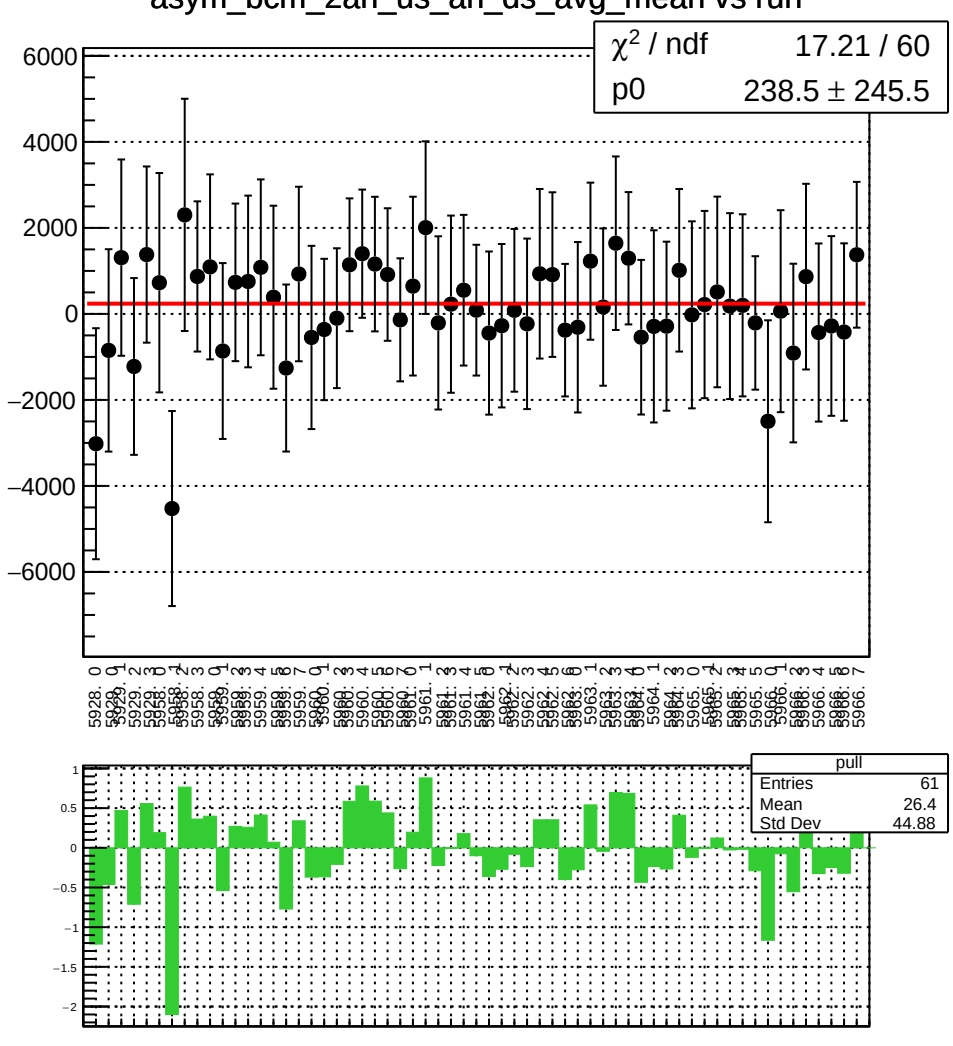

pull1D
Entries 61
Mean −0.3872
Std Dev 2.861
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

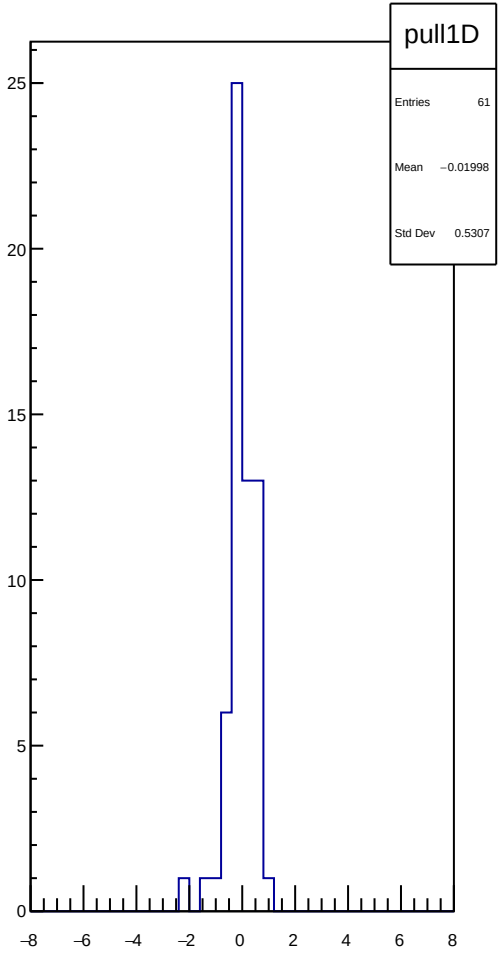

asym_bpm1i04WS_rms vs run
χ² / ndf 4.976e+04 / 60
p0 90.06 ± 0.08424
300
250
200
150
100
50

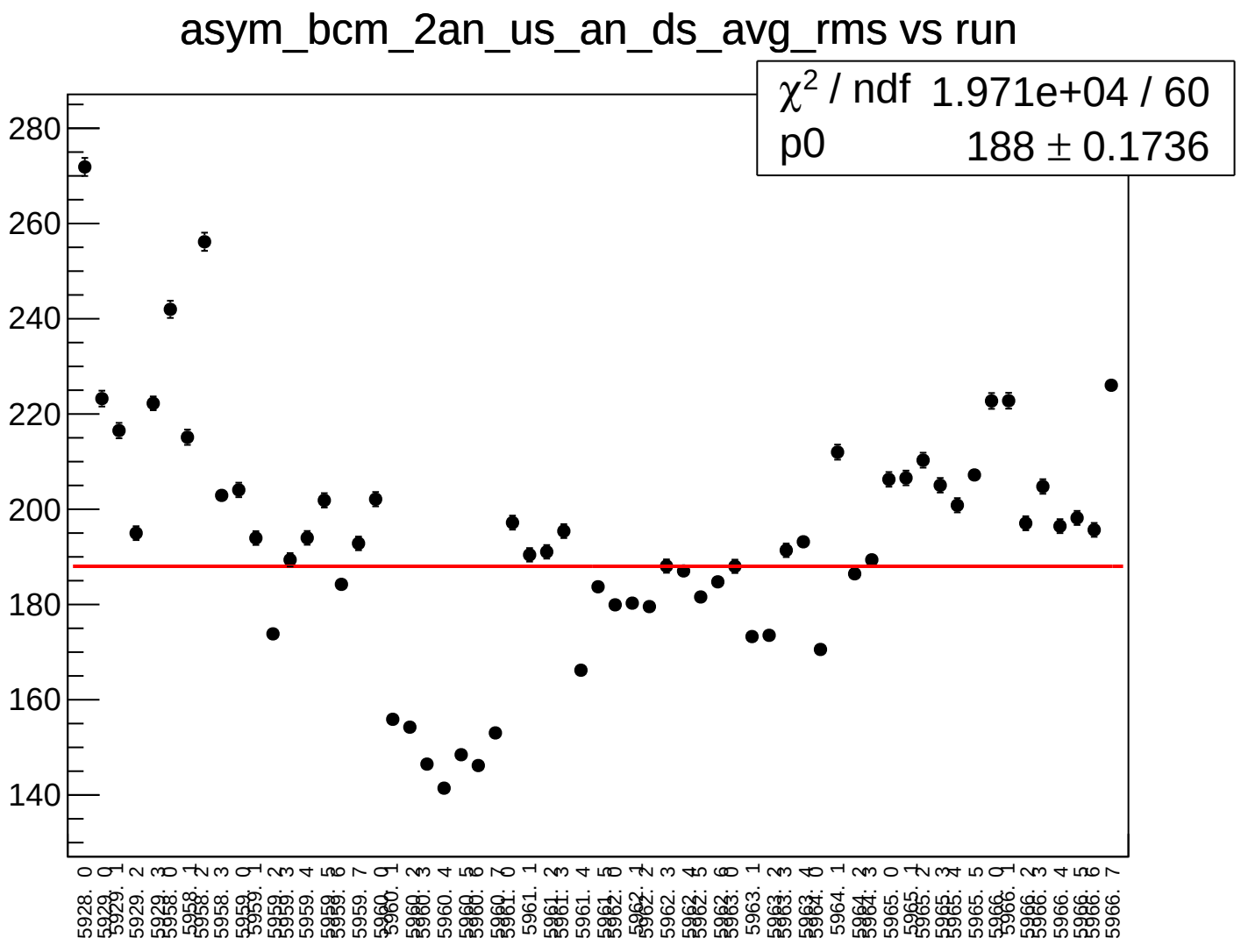

asym_bpm1i06WS_mean vs run
χ² / ndf 298.1 / 60
p0 2249 ± 176.9
15000
10000
5000
0
−5000
pull
Entries 61
Mean −92.89
Std Dev 0
8
6
4
2
0
−2
−4

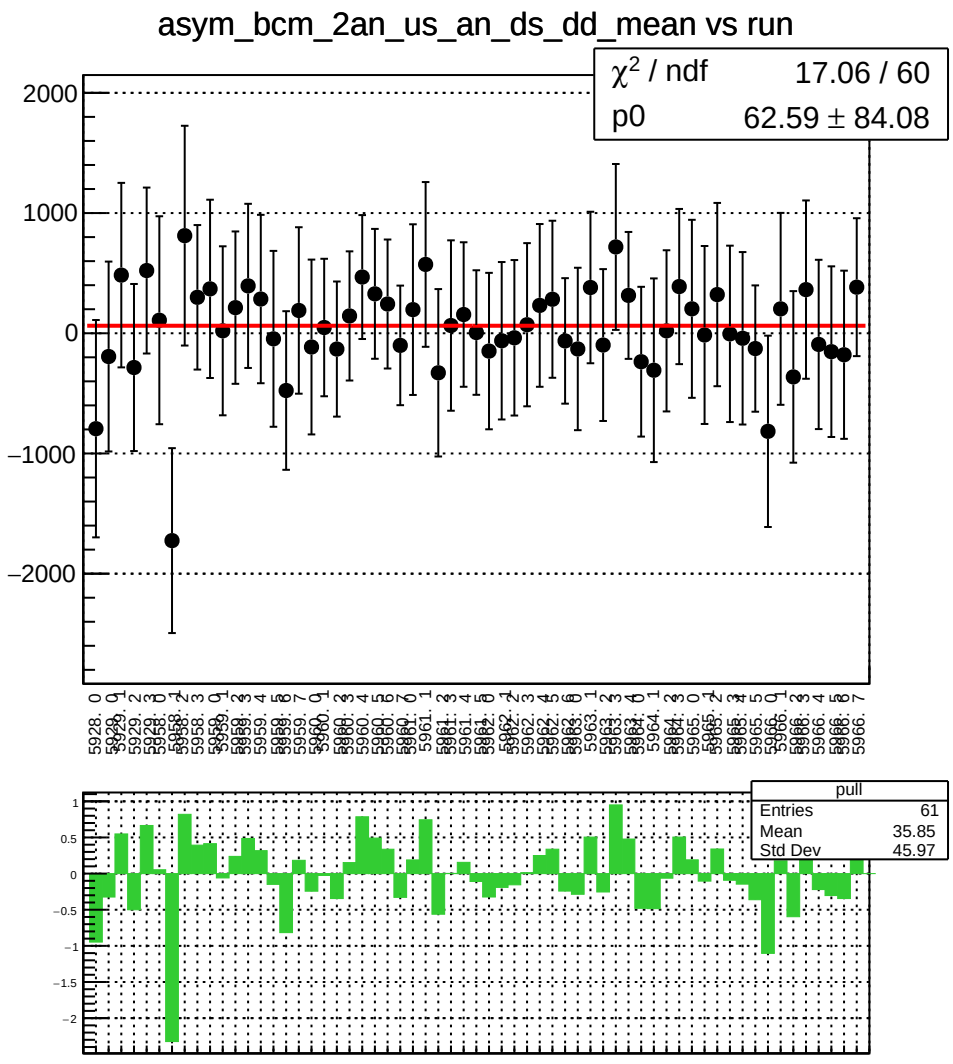

pull1D
Entries 61
Mean −0.2035
Std Dev 1.944
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

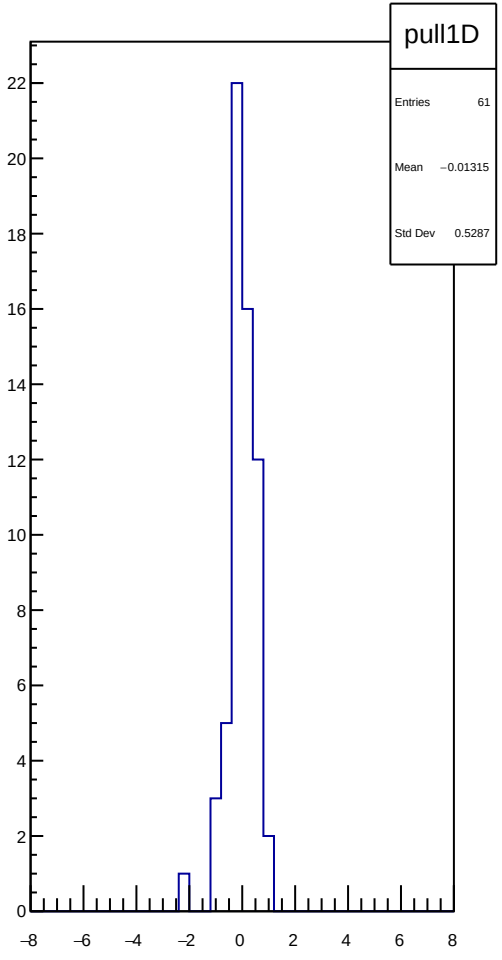

asym_bpm1i06WS_rms vs run
χ² / ndf 2.357e+04 / 60
p0 135.3 ± 0.1251
300
250
200
150
100

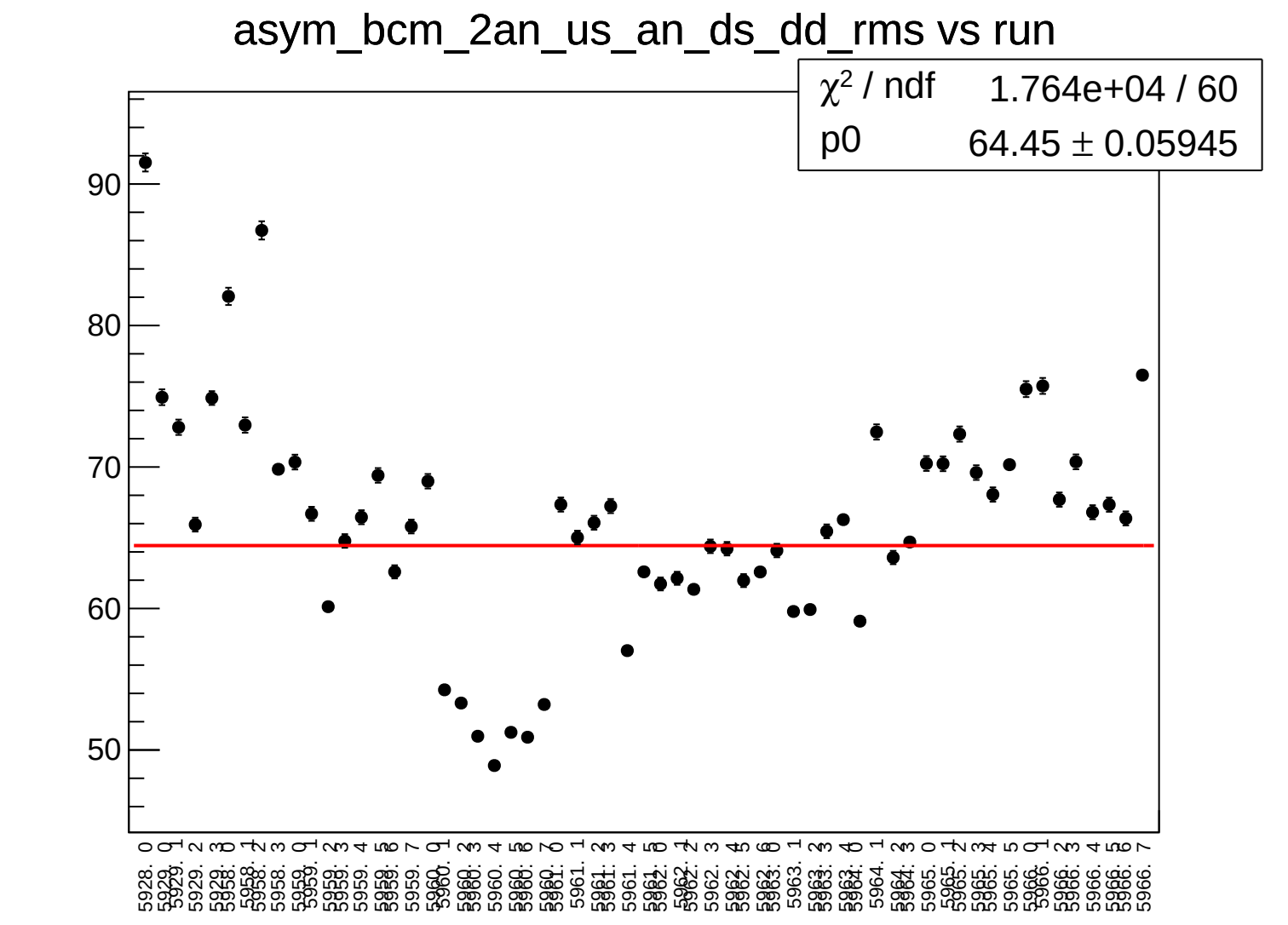

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 17.21 / 60
p0 238.5 ± 245.5
pull
Entries 61
Mean 26.4
Std Dev 44.88

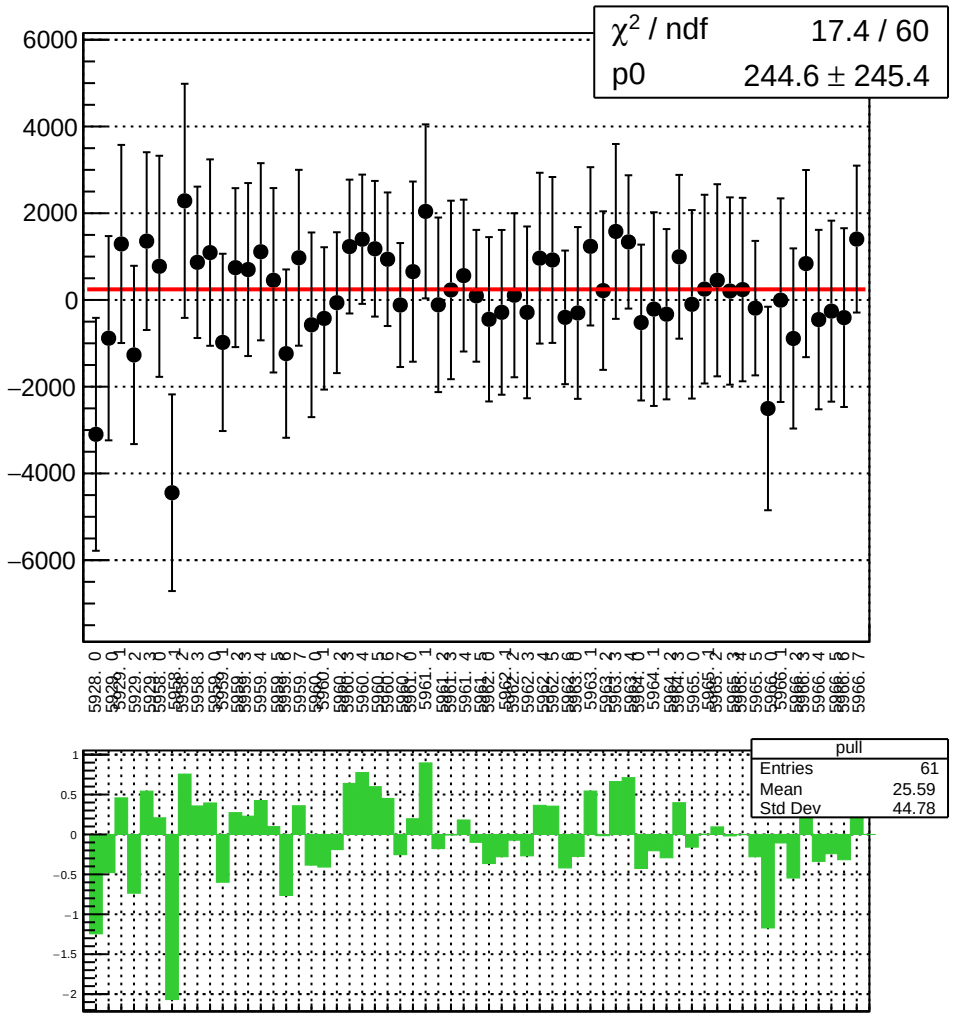

pull1D
Entries 61
Mean −0.01998
Std Dev 0.5307

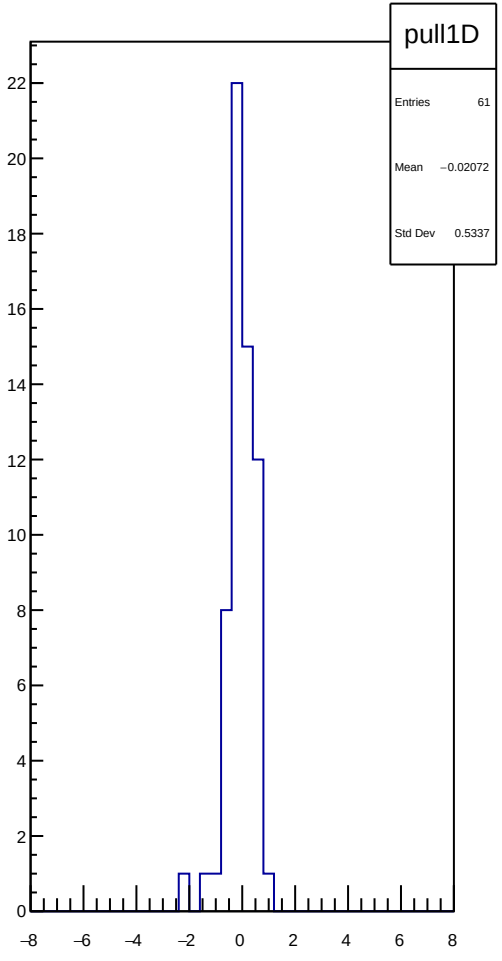

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 1.971e+04 / 60
p0 188 ± 0.1736
280
260
240
220
200
180
160
140

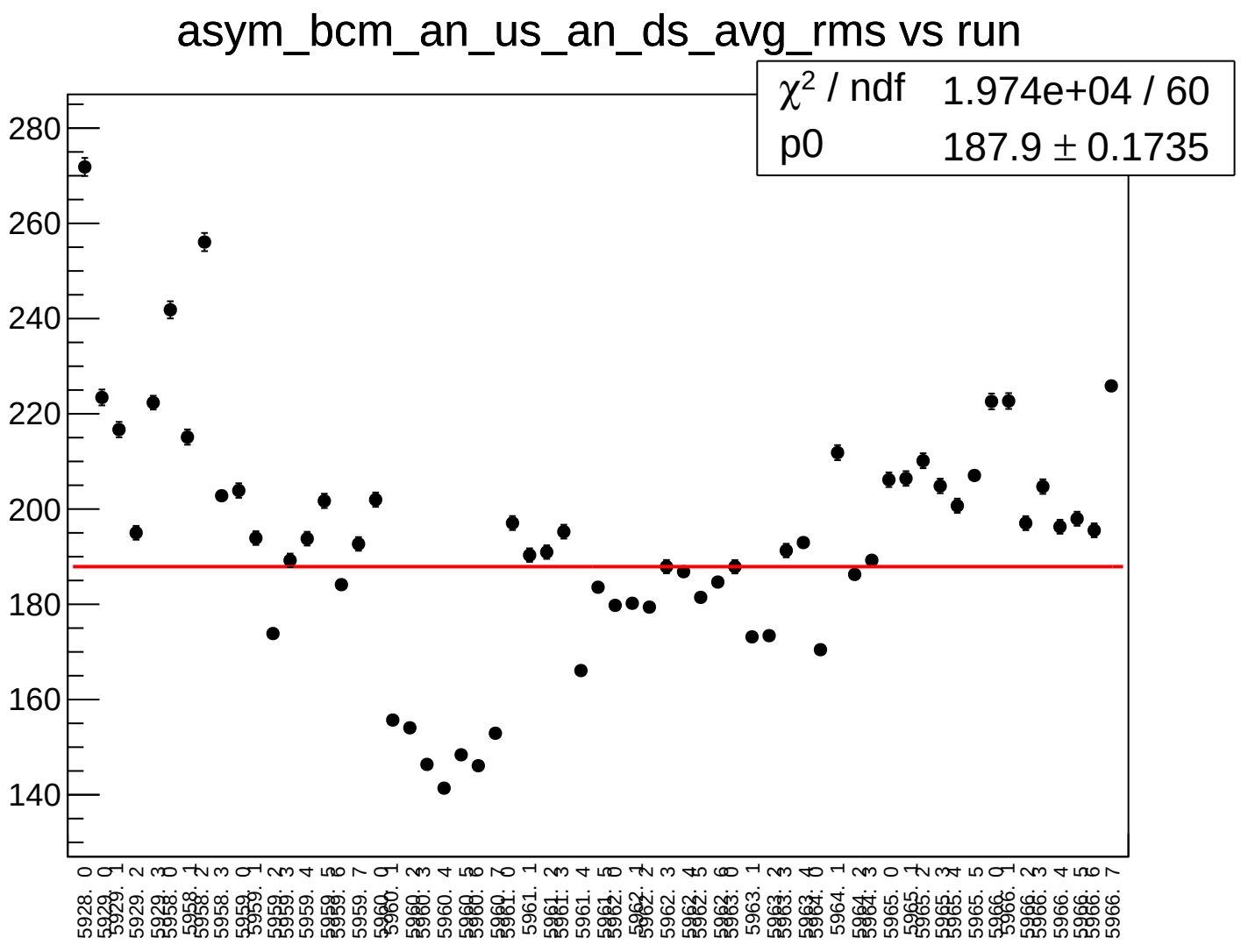

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 17.06 / 60
p0 62.59 ± 84.08
pull
Entries 61
Mean 35.85
Std Dev 45.97

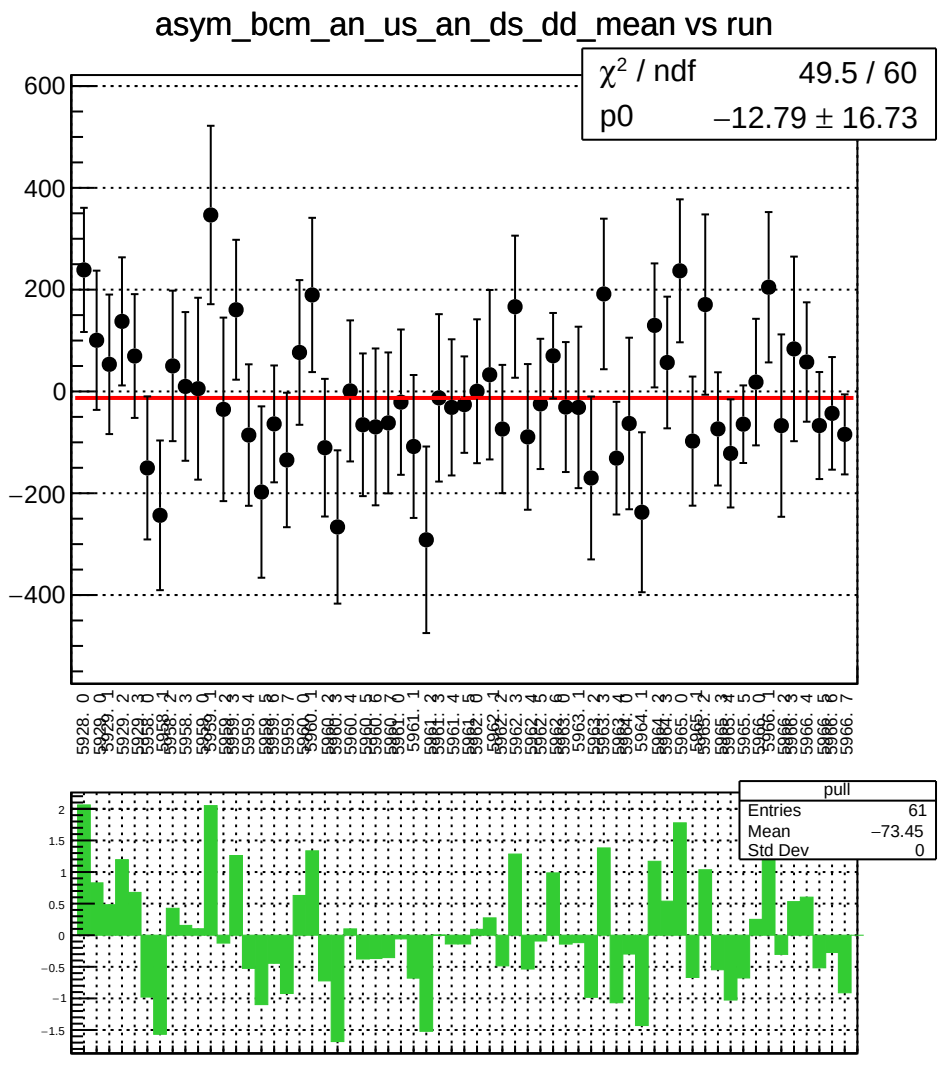

pull1D
Entries 61
Mean −0.01315
Std Dev 0.5287

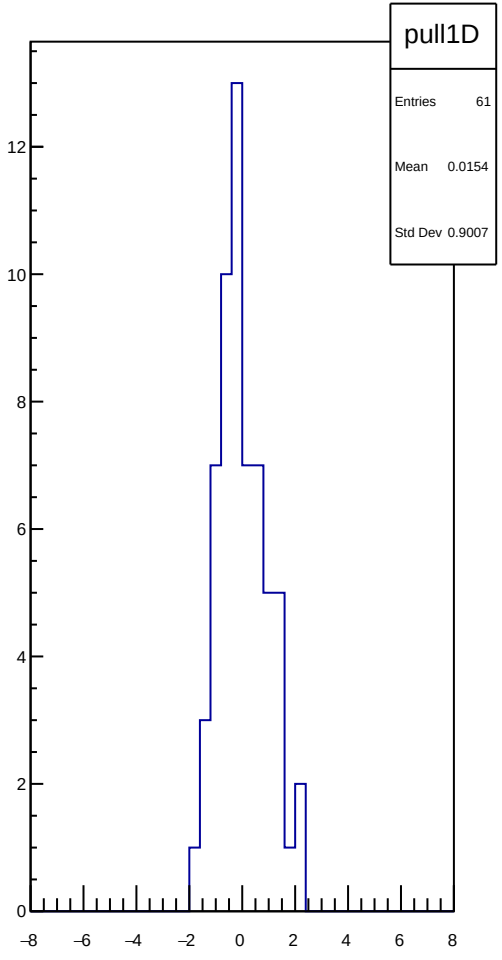

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 1.764e+04 / 60
p0 64.45 ± 0.05945
90
80
70
60
50

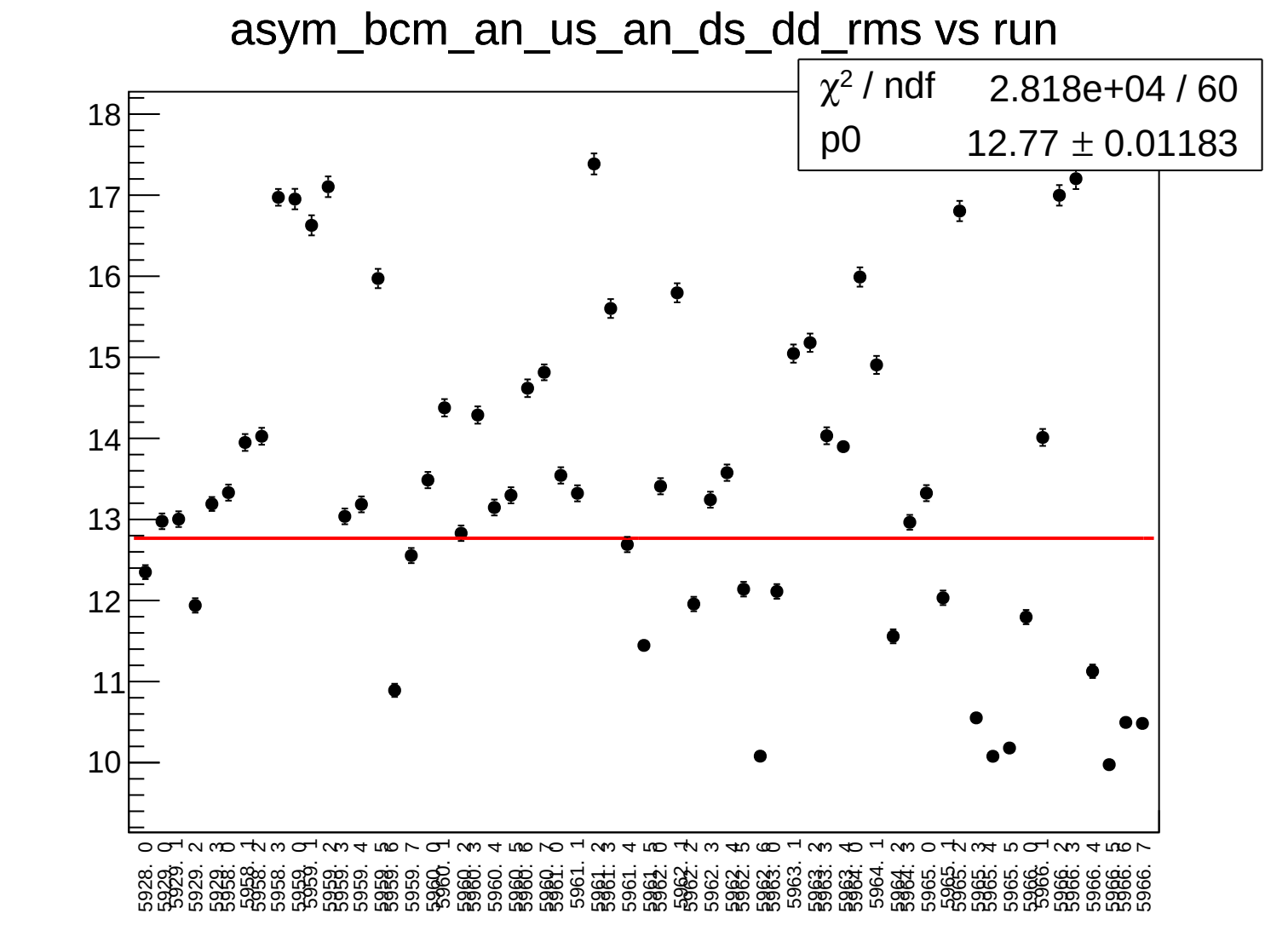

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 17.4 / 60
p0 244.6 ± 245.4
pull
Entries 61
Mean 25.59
Std Dev 44.78

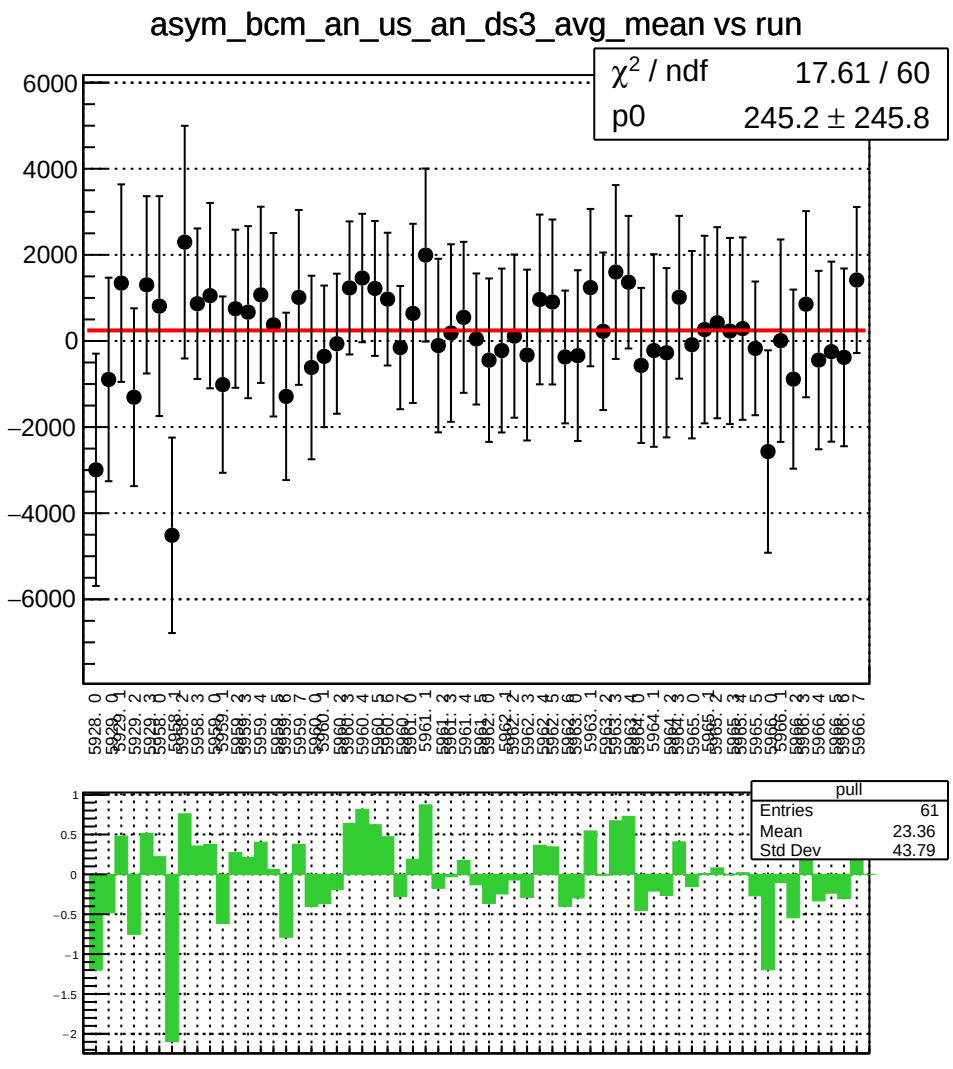

pull1D
Entries 61
Mean −0.02072
Std Dev 0.5337

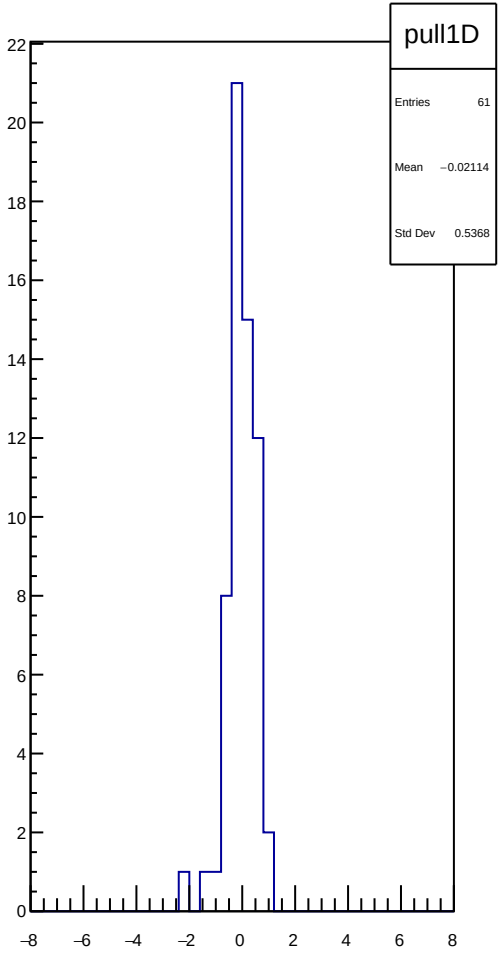

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 1.974e+04 / 60
p0 187.9 ± 0.1735
280
260
240
220
200
180
160
140

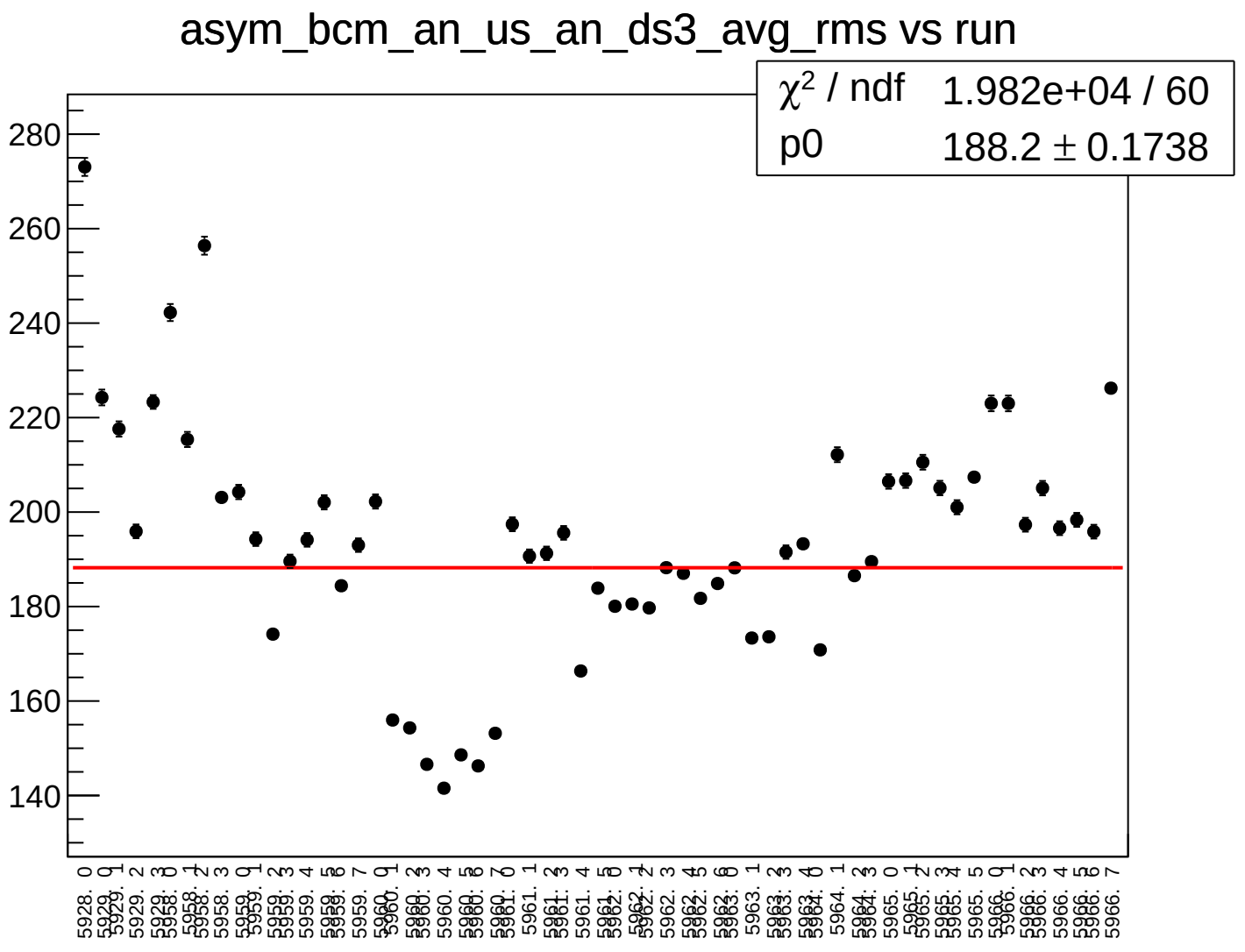

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 49.5 / 60
p0 −12.79 ± 16.73
pull
Entries 61
Mean −73.45
Std Dev 0

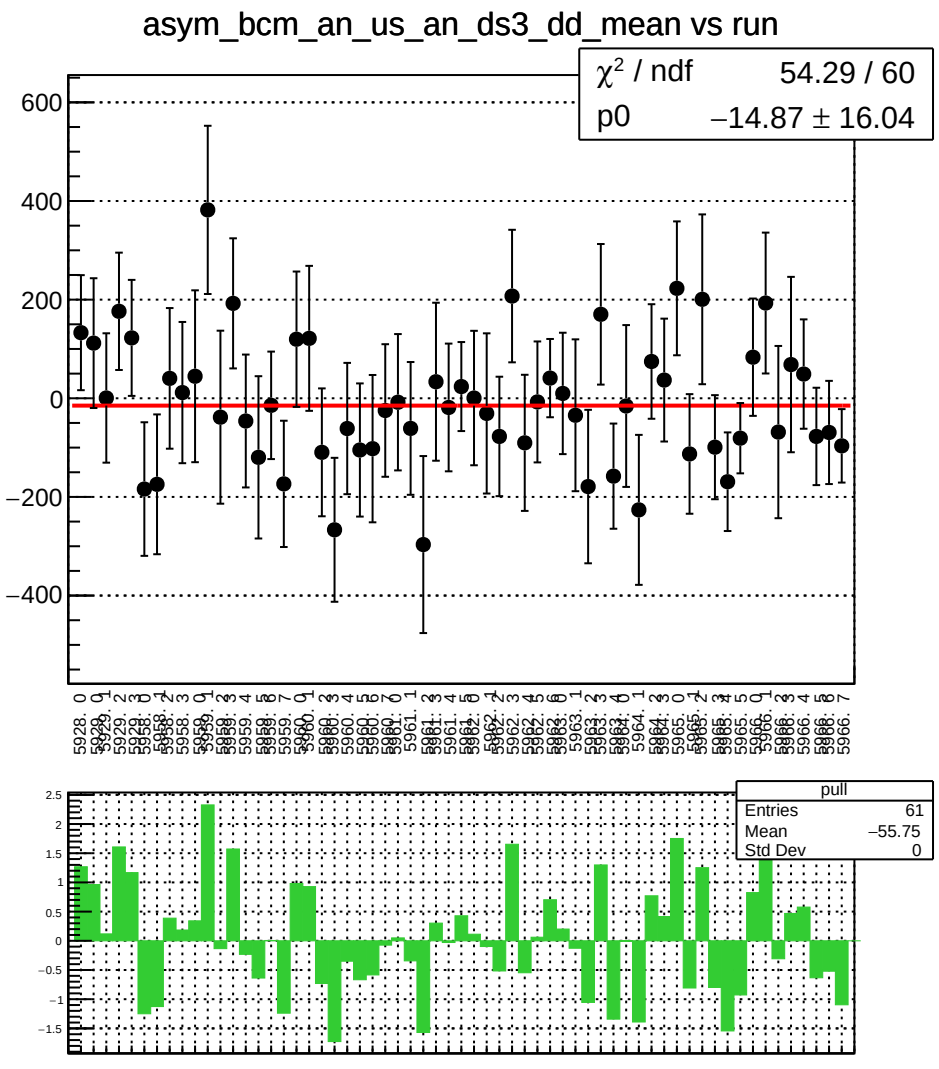

pull1D
Entries 61
Mean 0.0154
Std Dev 0.9007

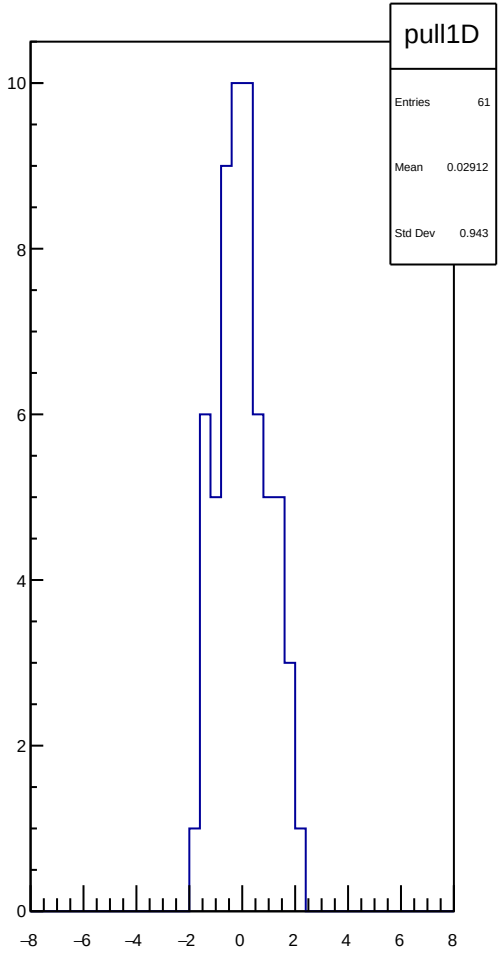

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 2.818e+04 / 60
p0 12.77 ± 0.01183
18
17
16
15
14
13
12
11
10

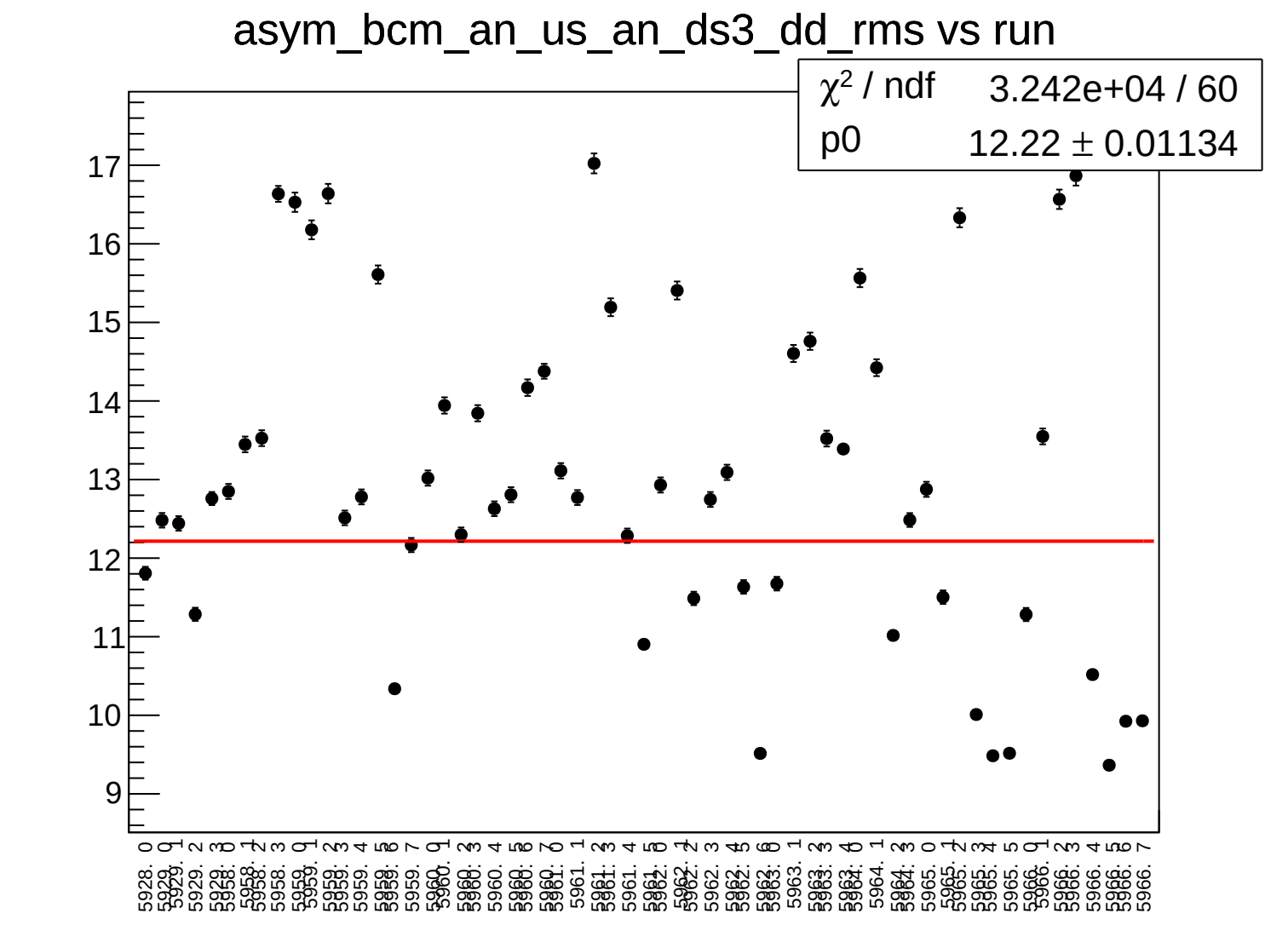

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 17.61 / 60
p0 245.2 ± 245.8
pull
Entries 61
Mean 23.36
Std Dev 43.79

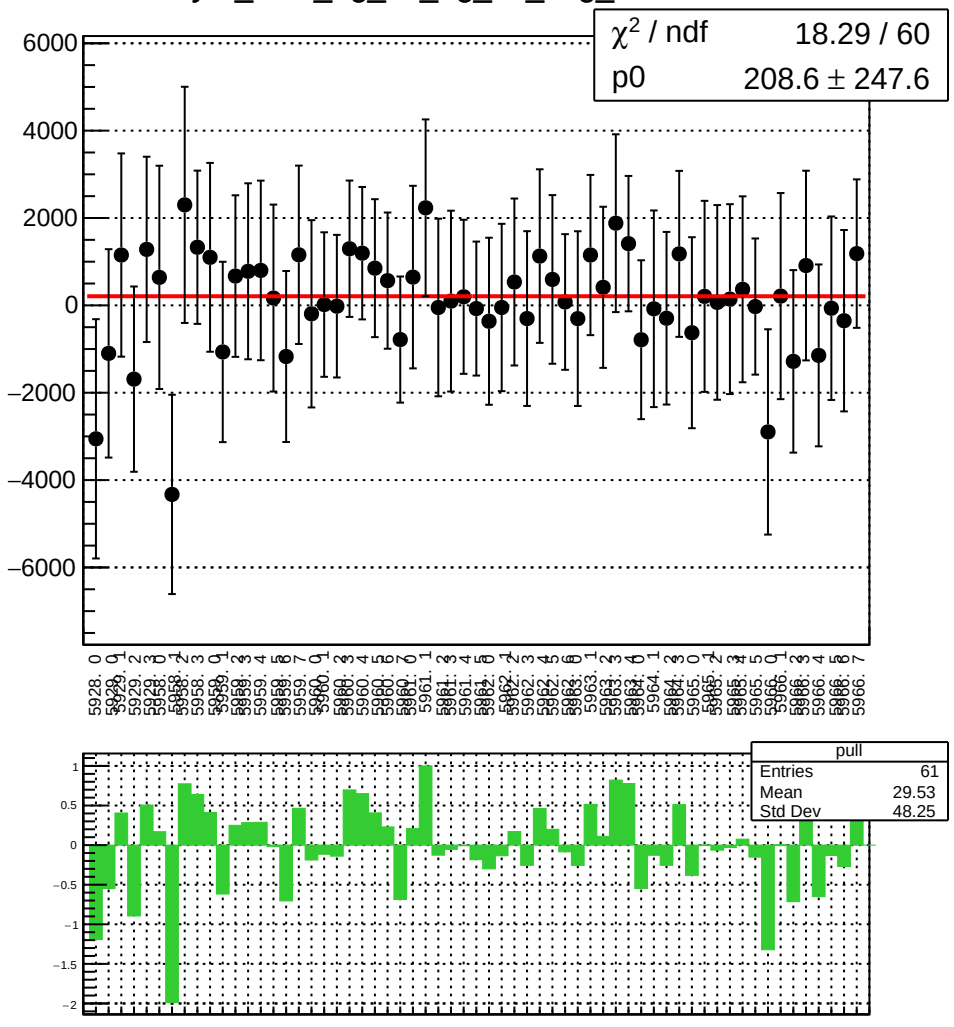

pull1D
Entries 61
Mean −0.02114
Std Dev 0.5368

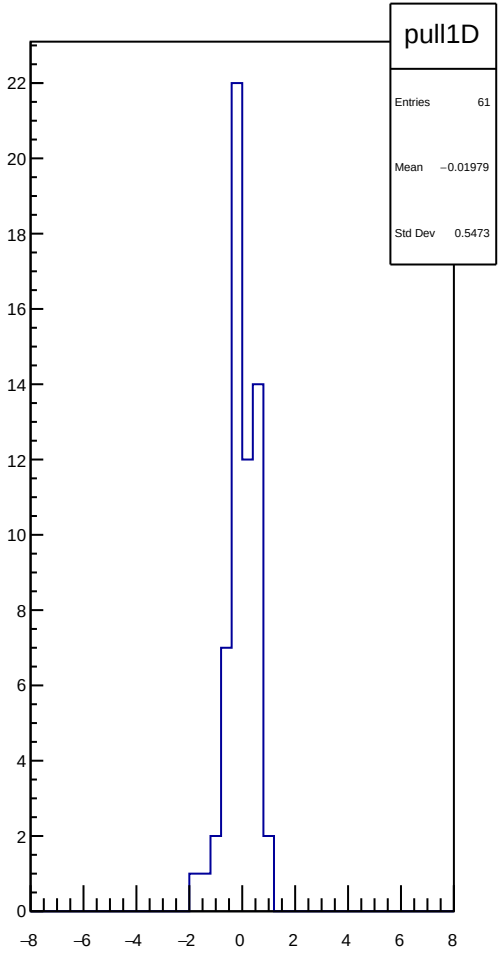

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 1.982e+04 / 60
p0 188.2 ± 0.1738
280
260
240
220
200
180
160
140

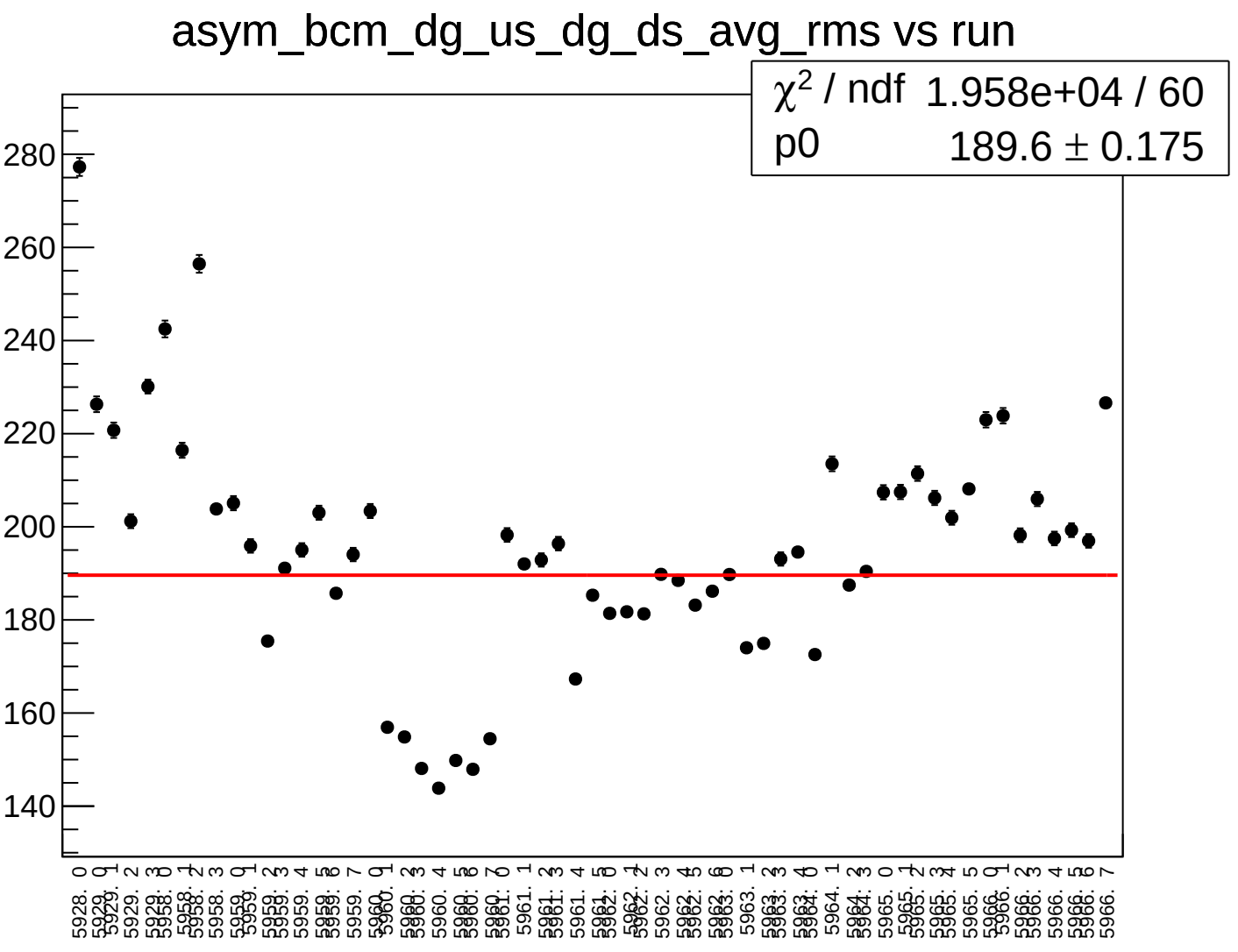

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 54.29 / 60
p0 −14.87 ± 16.04
pull
Entries 61
Mean −55.75
Std Dev 0

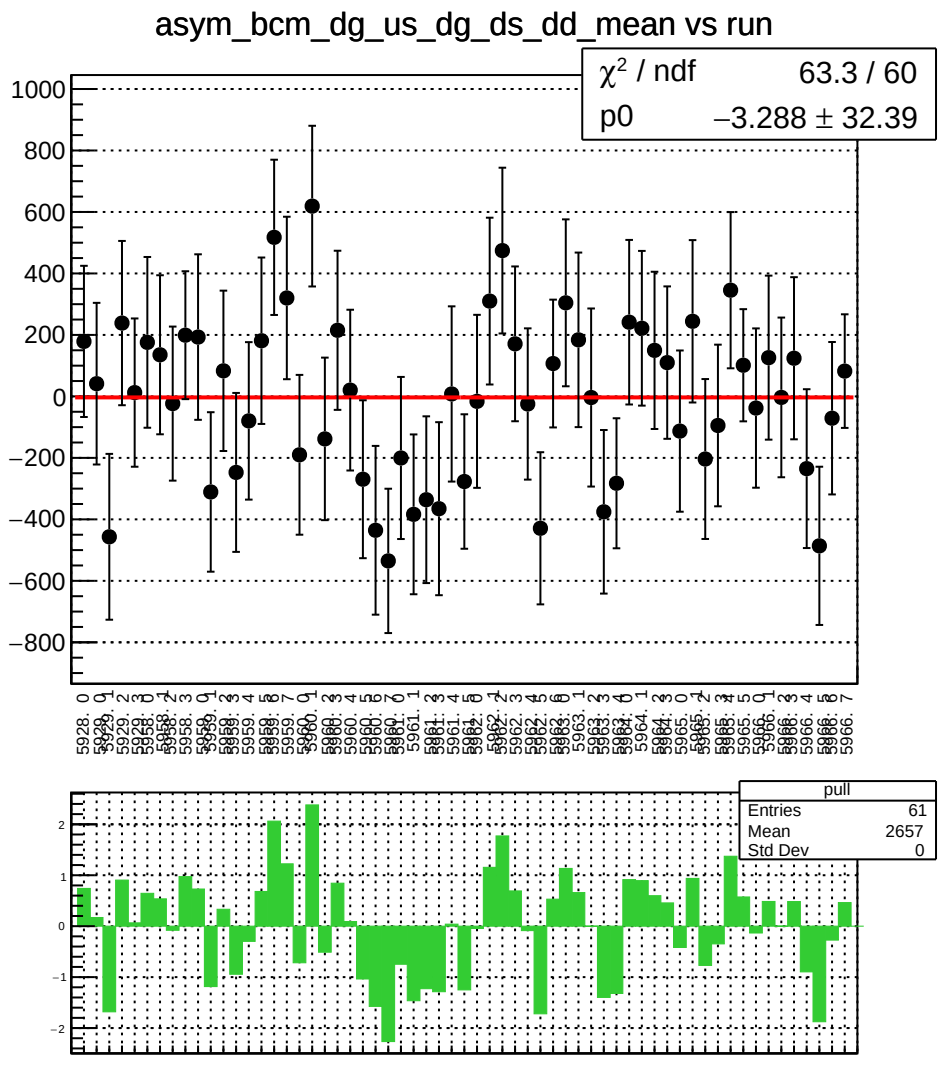

pull1D
Entries 61
Mean 0.02912
Std Dev 0.943

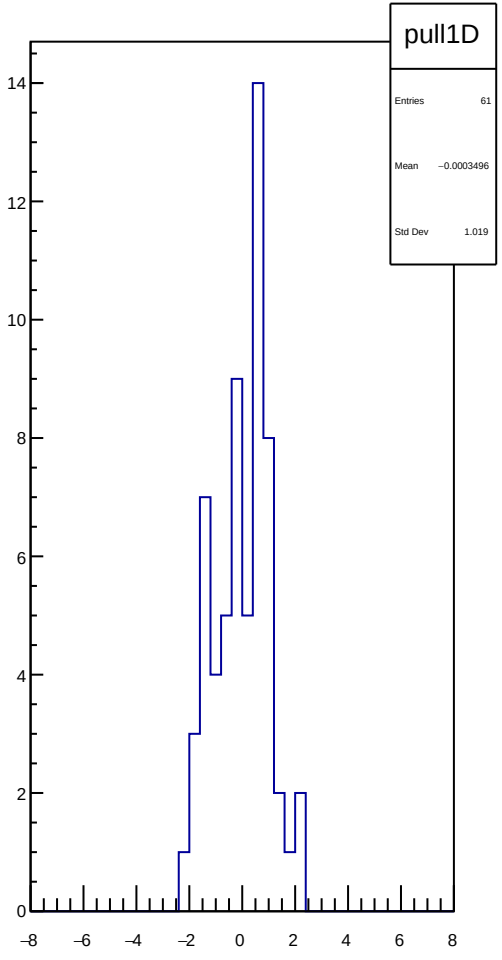

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 3.242e+04 / 60
p0 12.22 ± 0.01134
17
16
15
14
13
12
11
10
9

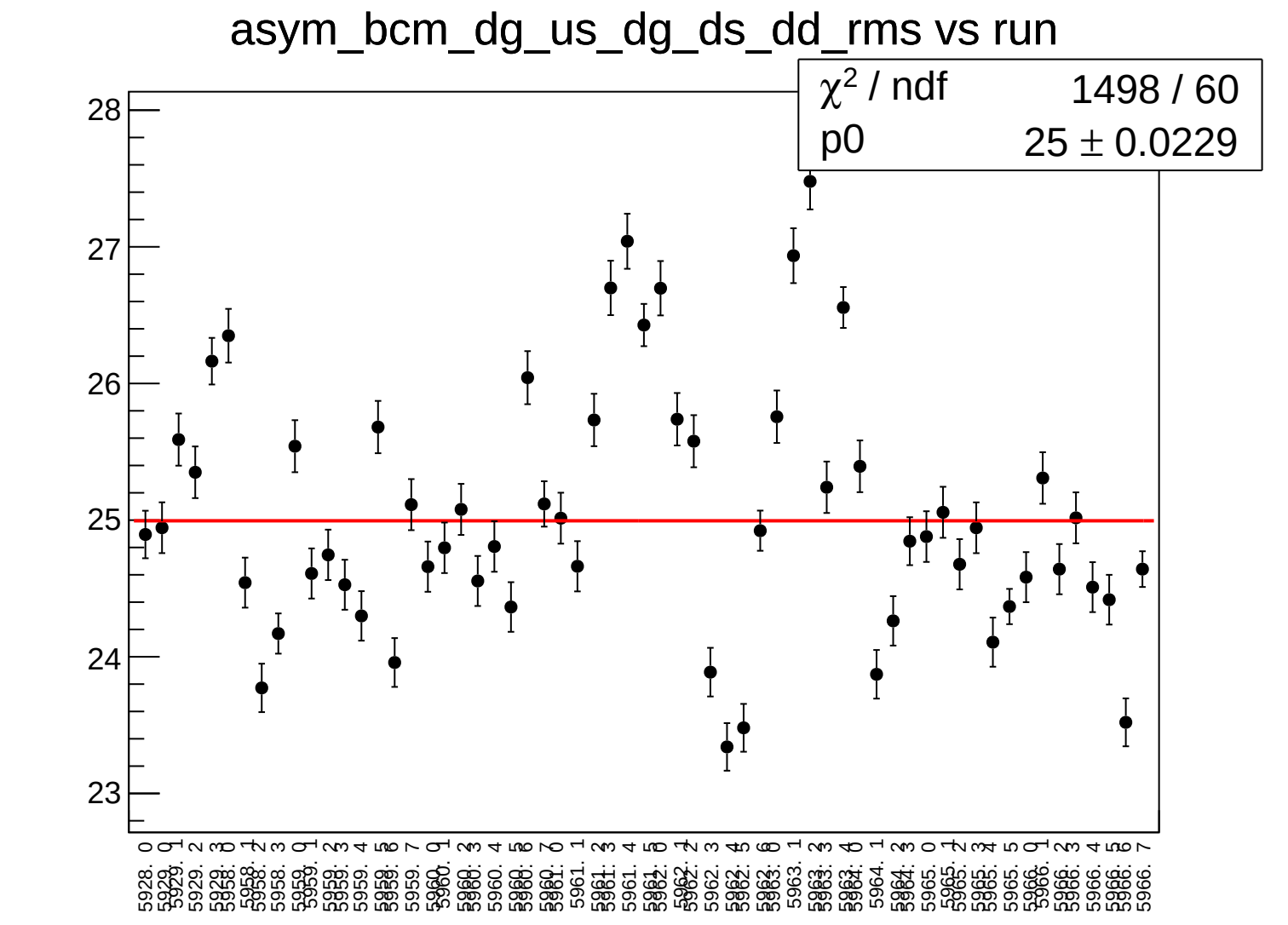

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 18.29 / 60
p0 208.6 ± 247.6
pull
Entries 61
Mean 29.53
Std Dev 48.25

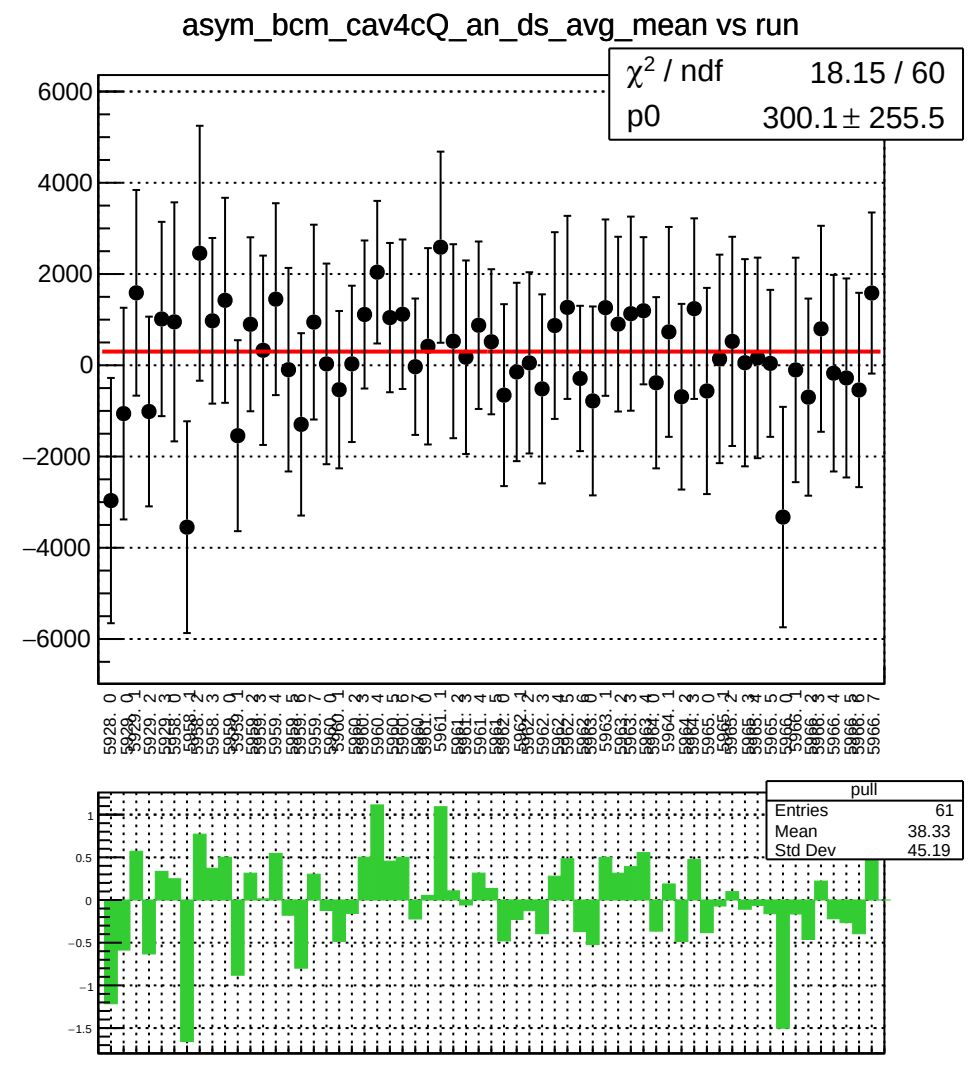

pull1D
Entries 61
Mean −0.01979
Std Dev 0.5473

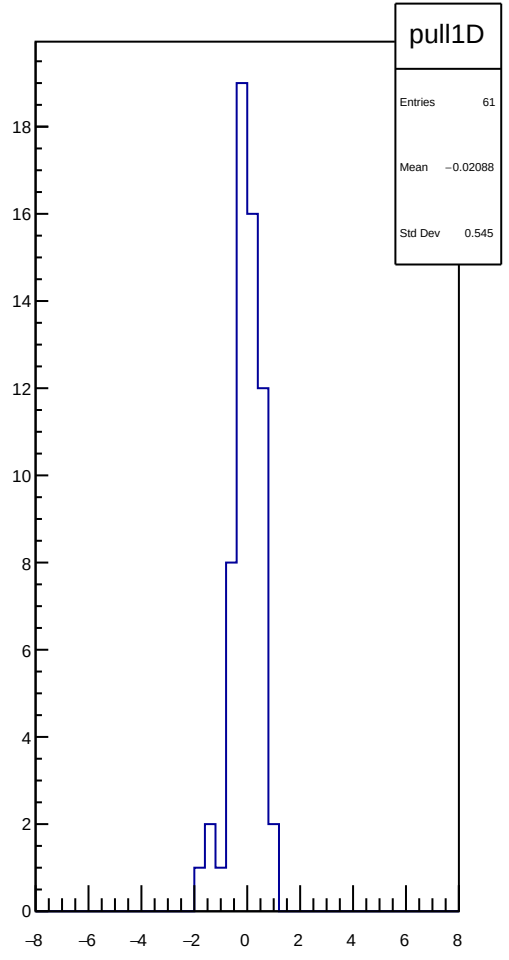

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 1.958e+04 / 60
p0 189.6 ± 0.175
280
260
240
220
200
180
160
140

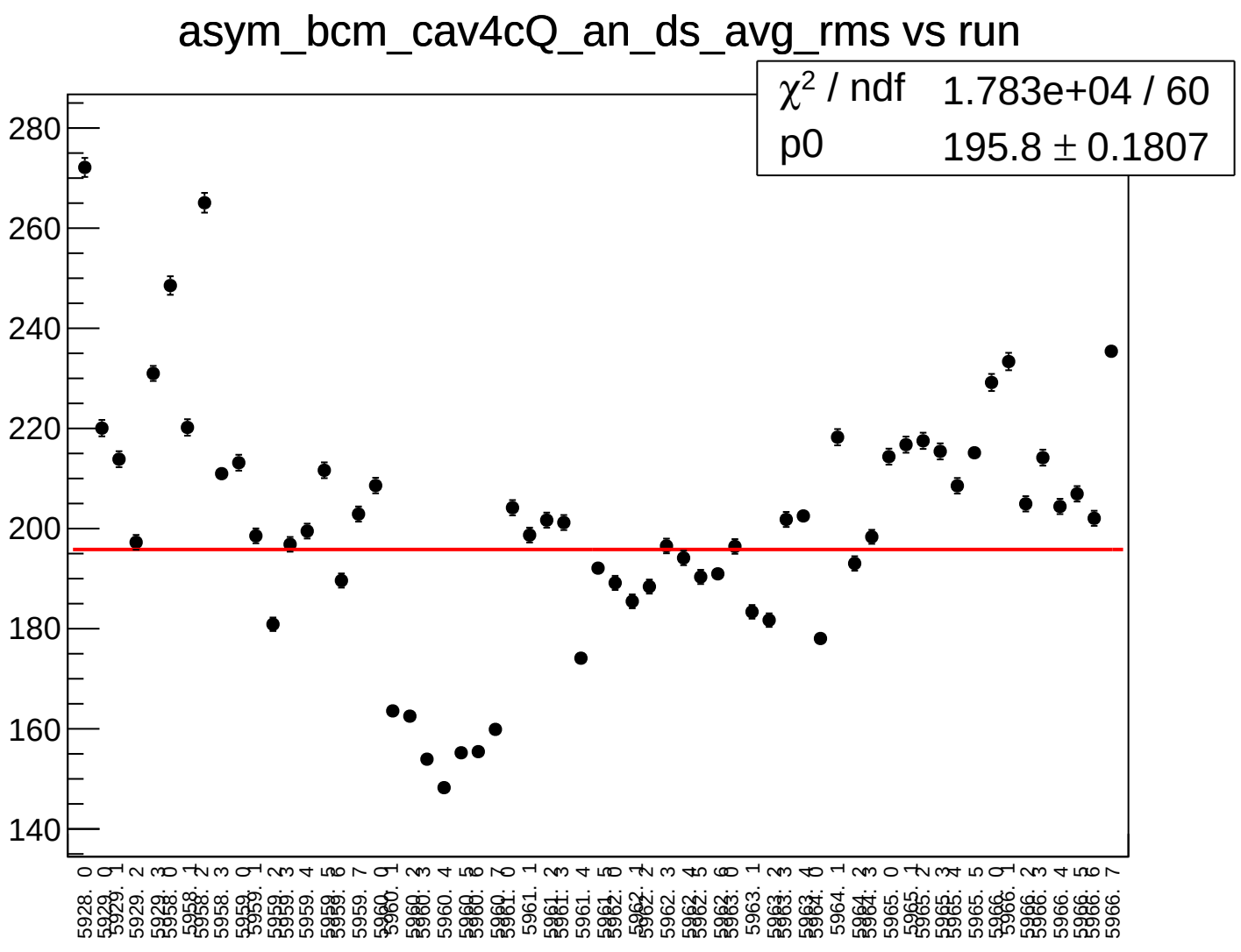

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 63.3 / 60
p0 −3.288 ± 32.39
pull
Entries 61
Mean 2657
Std Dev 0

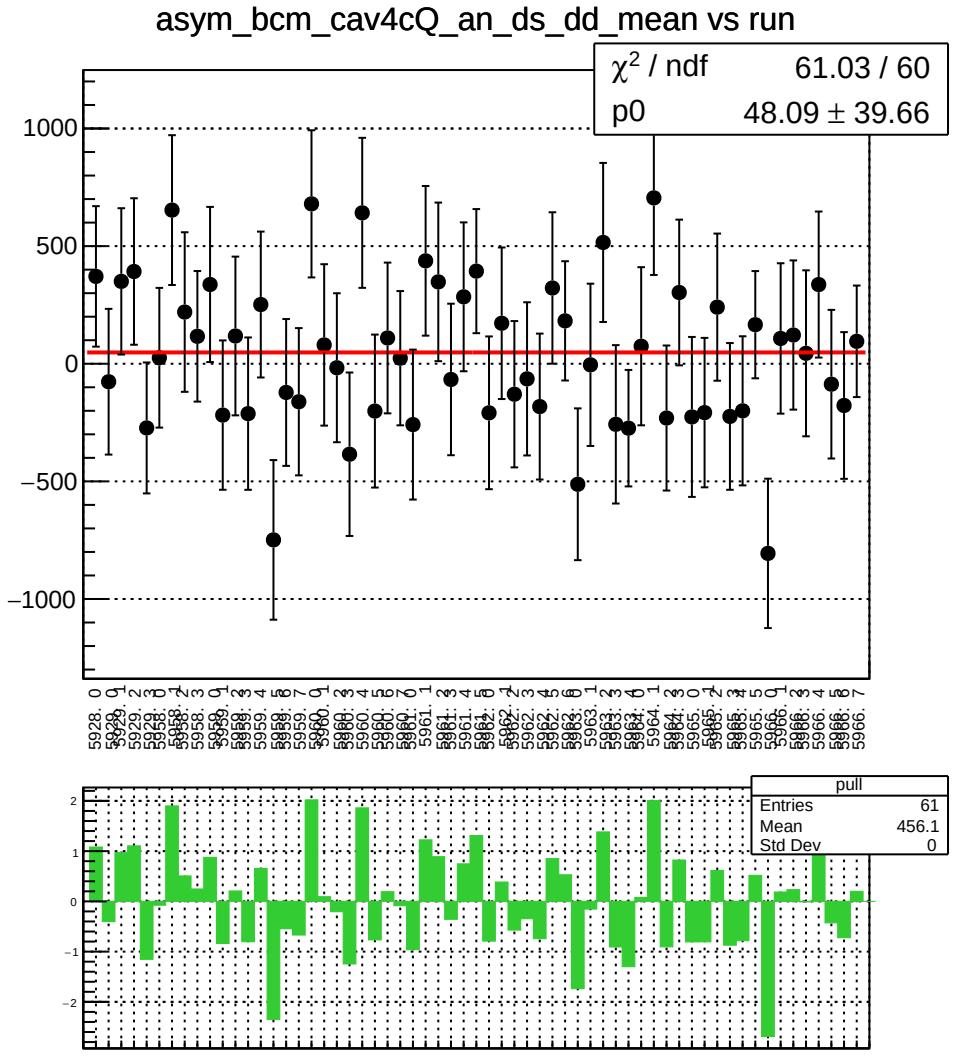

pull1D
Entries 61
Mean −0.0003496
Std Dev 1.019

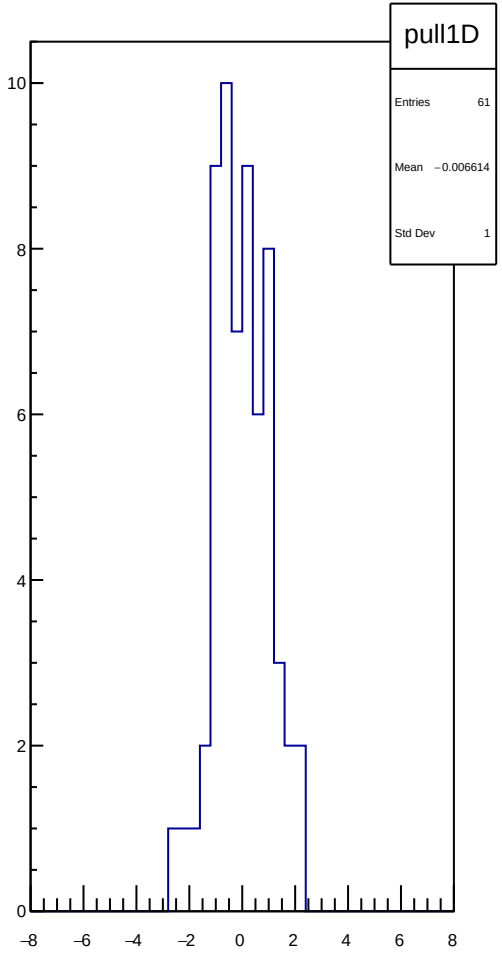

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1498 / 60
p0 25 ± 0.0229
28
27
26
25
24
23

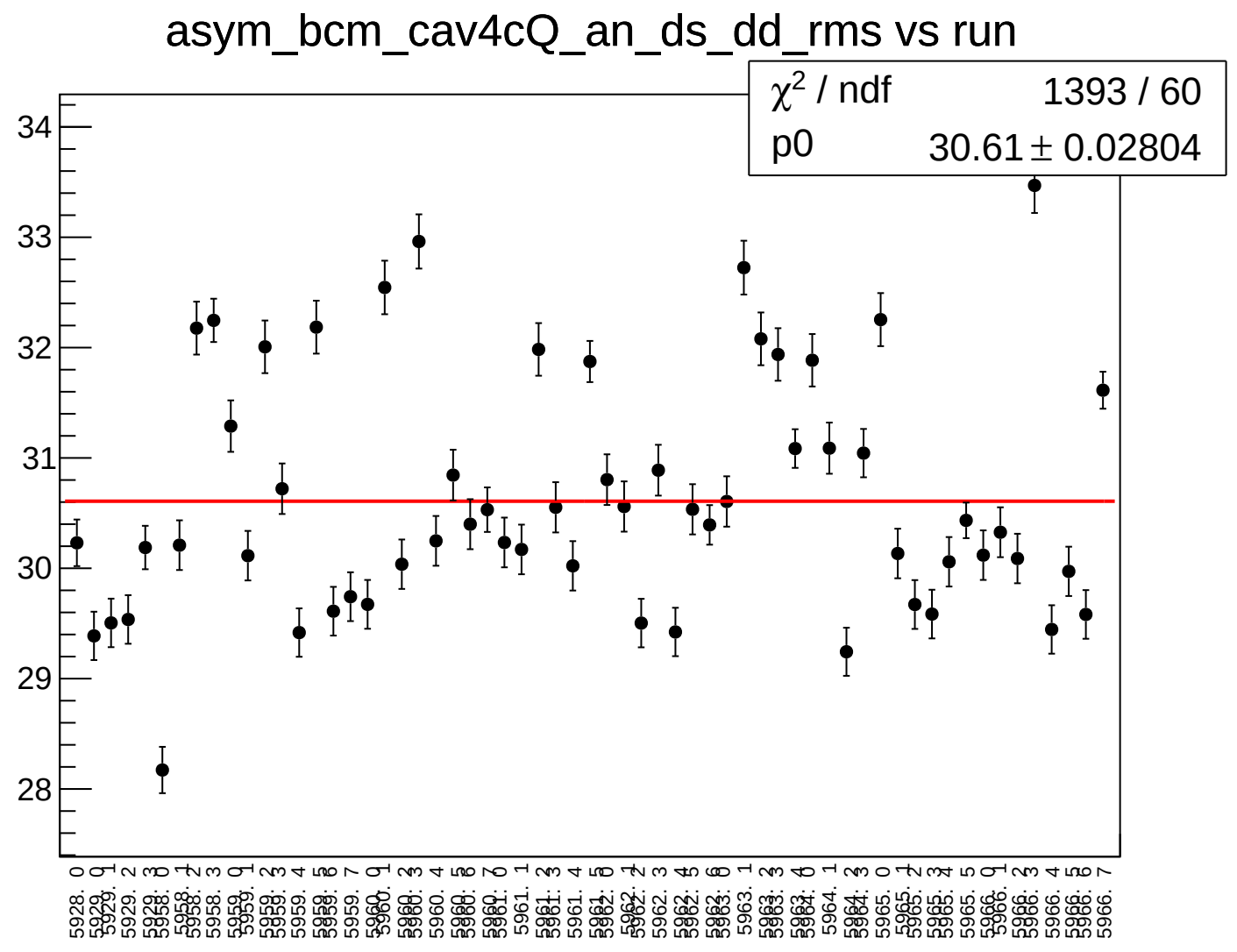

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 18.15 / 60
p0 300.1 ± 255.5
pull
Entries 61
Mean 38.33
Std Dev 45.19

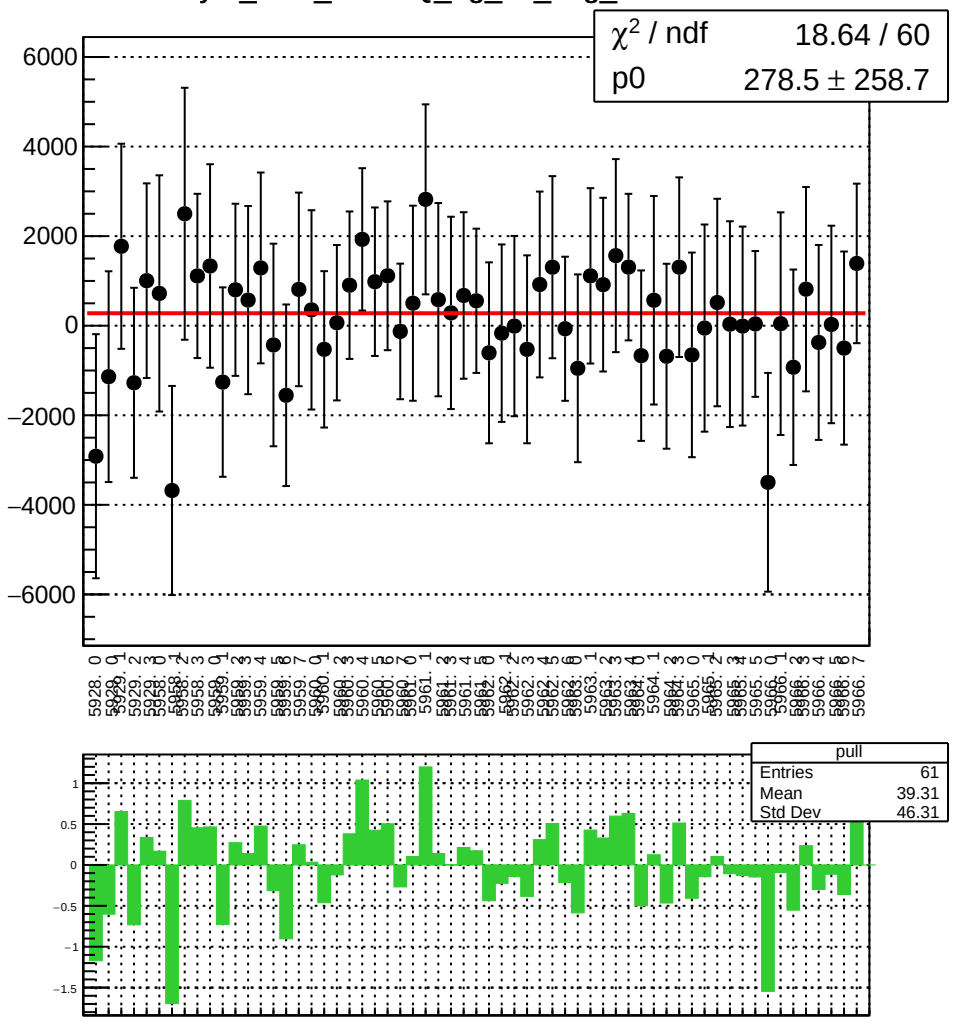

pull1D
Entries 61
Mean −0.02088
Std Dev 0.545

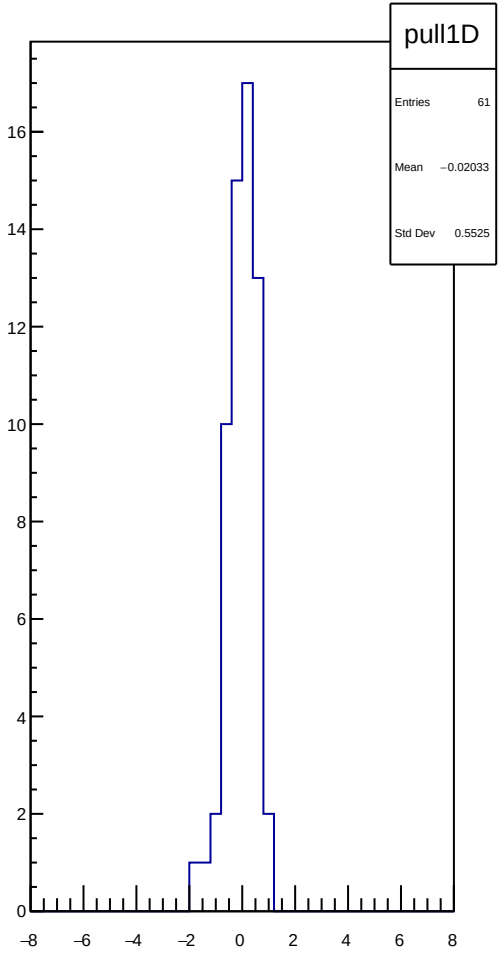

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 1.783e+04 / 60
p0 195.8 ± 0.1807
280
260
240
220
200
180
160
140

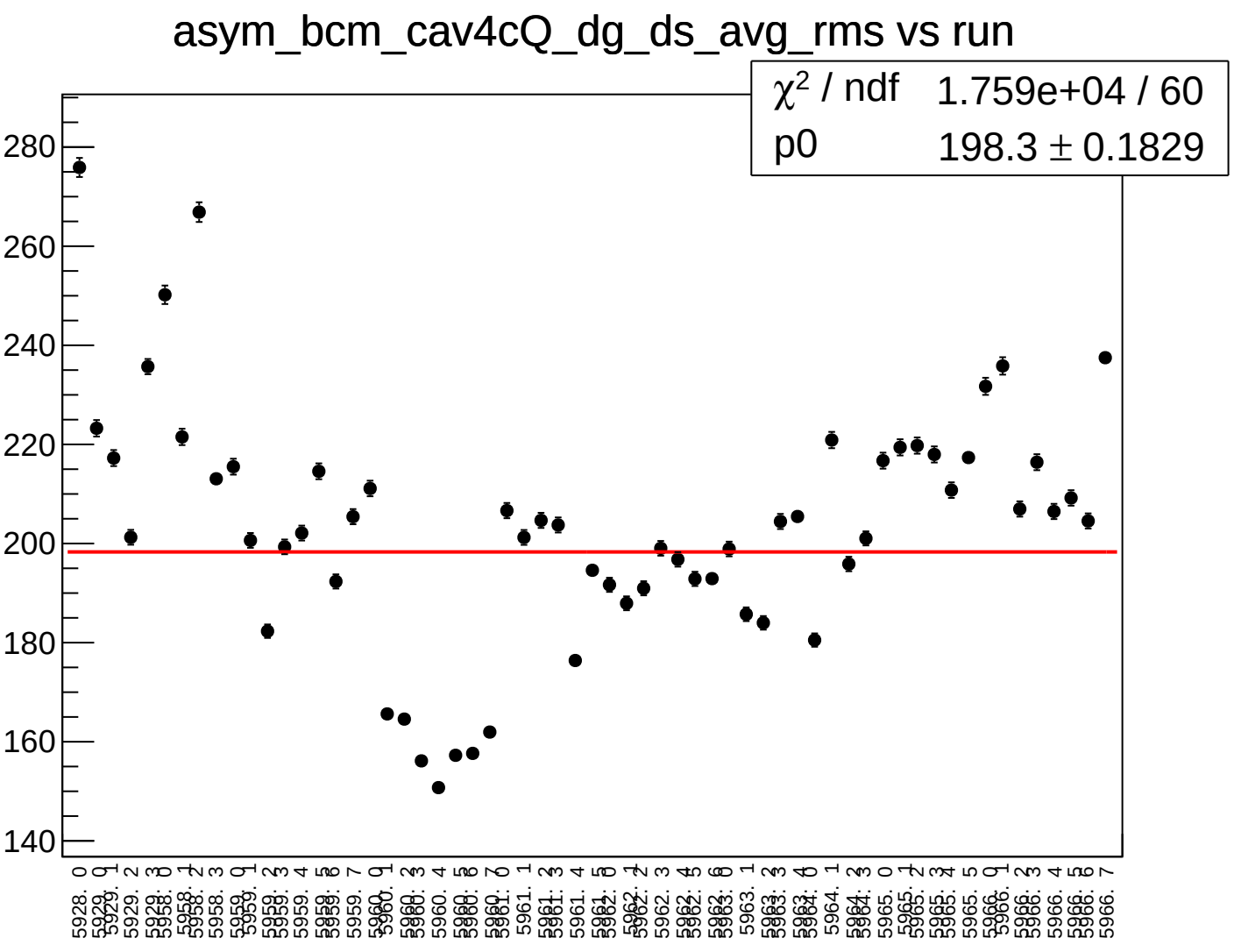

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 61.03 / 60
p0 48.09 ± 39.66
1000
500
0
−500
−1000
pull
Entries 61
Mean 456.1
Std Dev 0
2
1
0
−1
−2

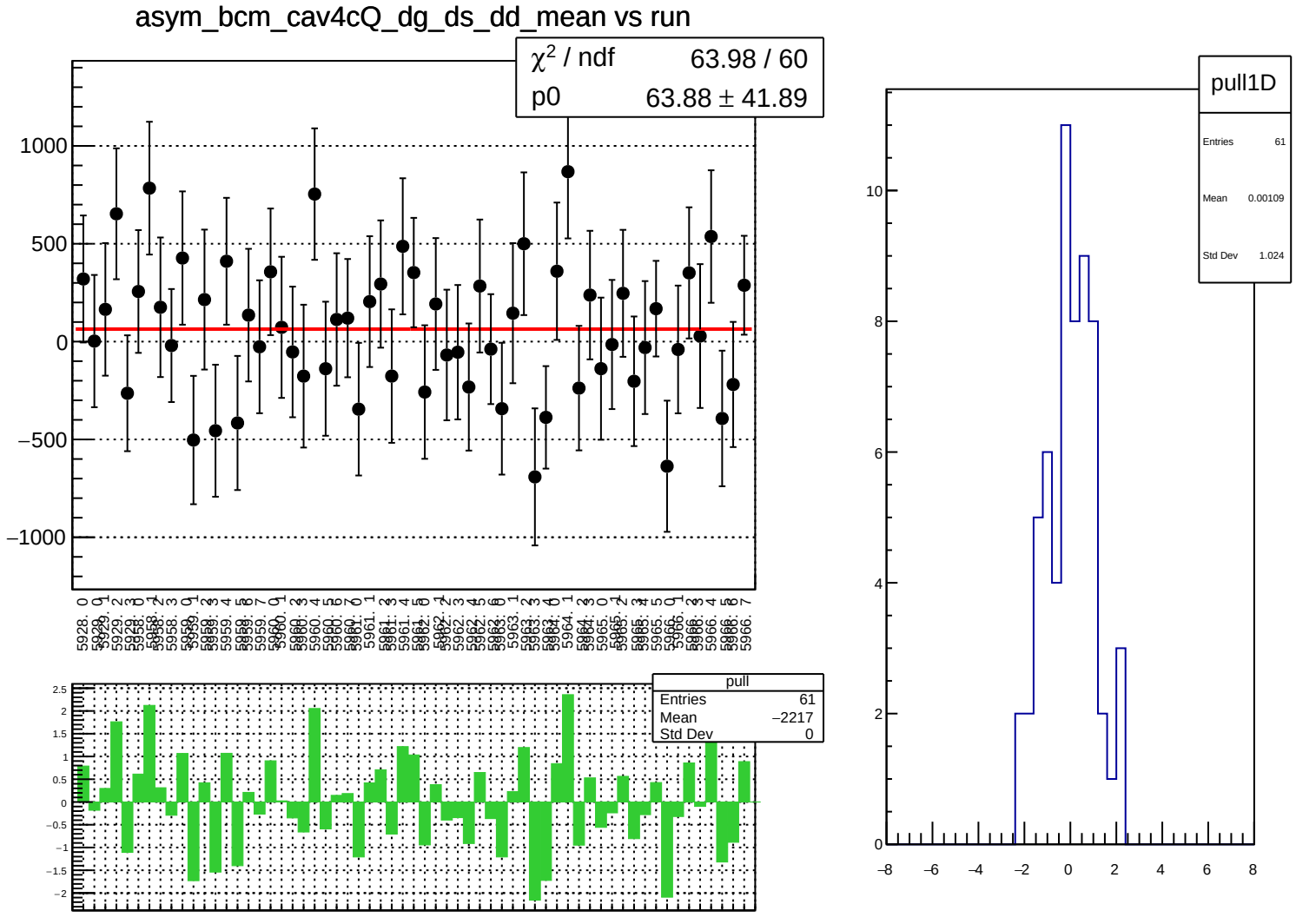

pull1D
Entries 61
Mean −0.006614
Std Dev 1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

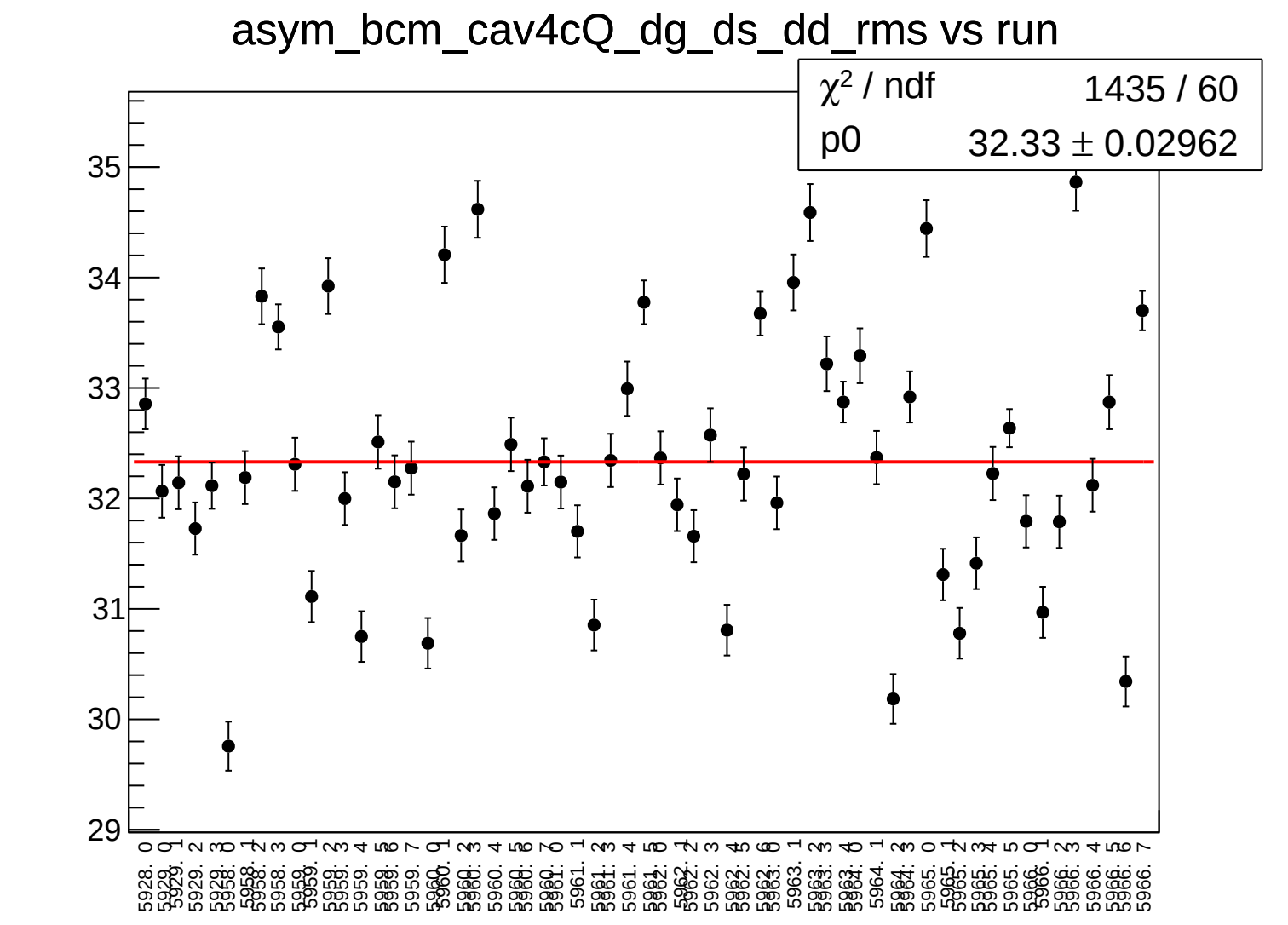

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1393 / 60
p0 30.61 ± 0.02804
34
33
32
31
30
29
28

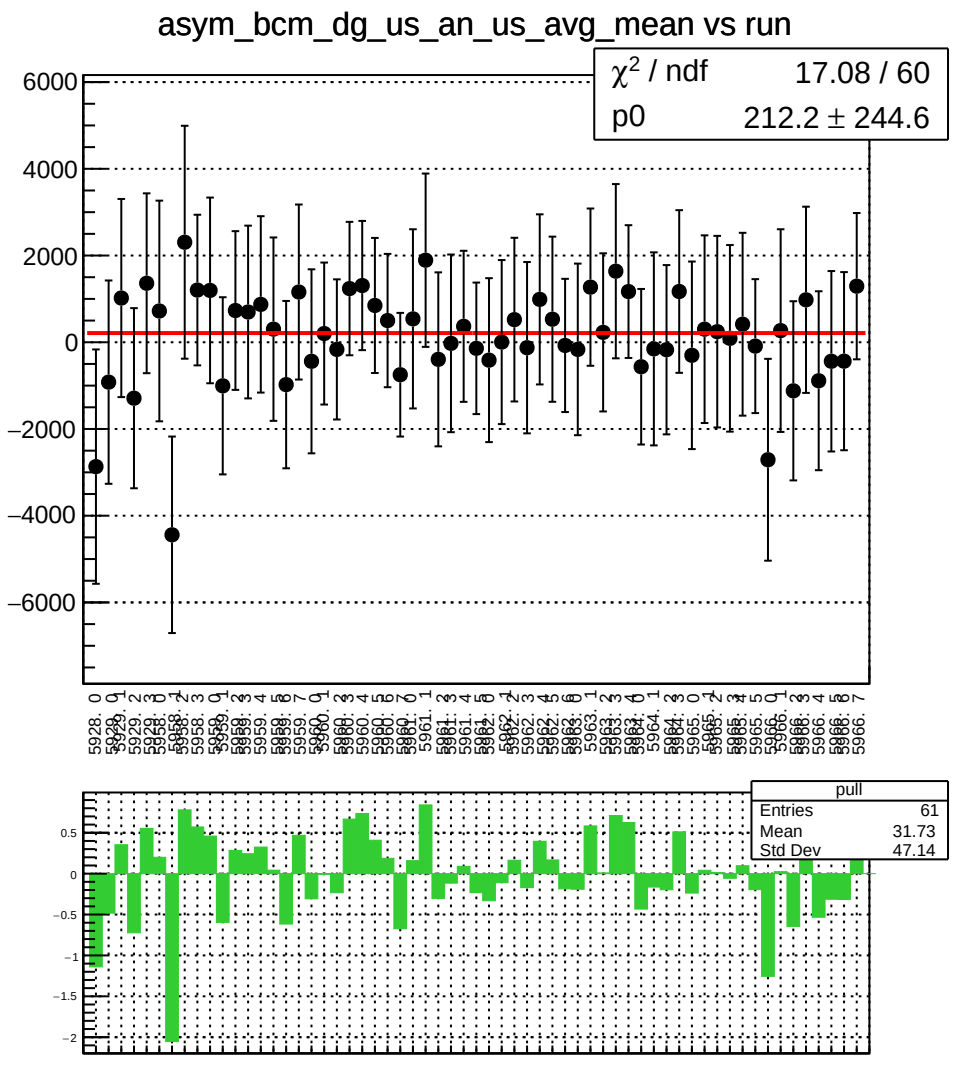

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 18.64 / 60
p0 278.5 ± 258.7
pull
Entries 61
Mean 39.31
Std Dev 46.31

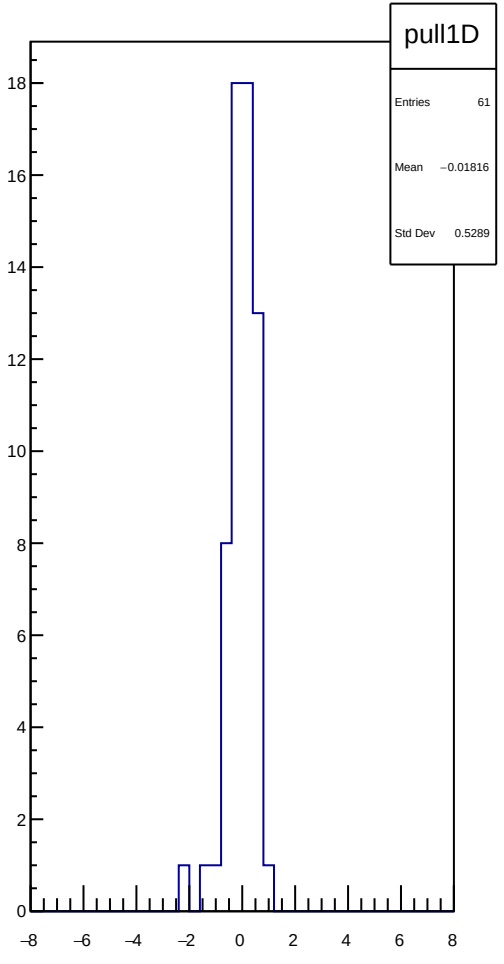

pull1D
Entries 61
Mean −0.02033
Std Dev 0.5525

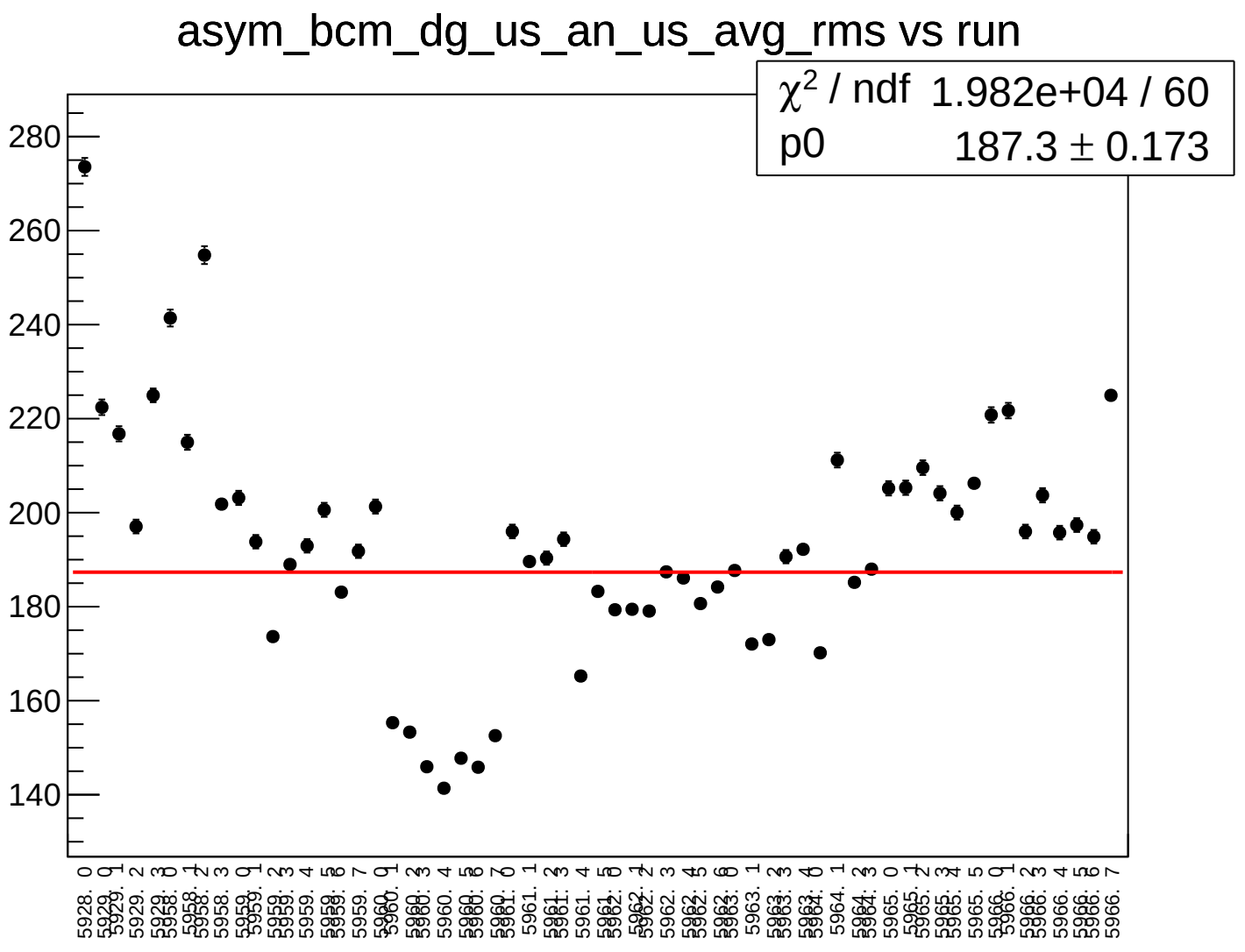

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 1.759e+04 / 60
p0 198.3 ± 0.1829
280
260
240
220
200
180
160
140

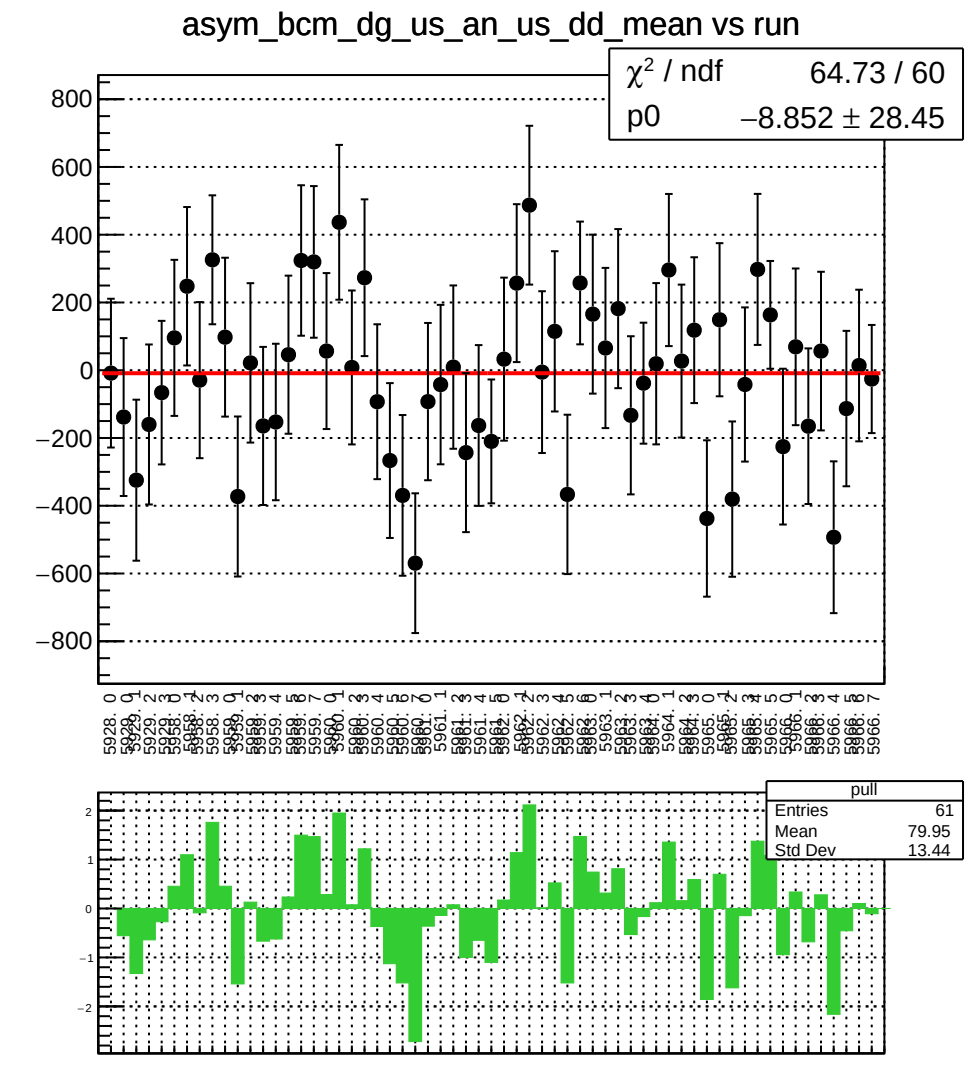

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 63.98 / 60
p0 63.88 ± 41.89
1000
500
0
−500
−1000
pull
Entries 61
Mean −2217
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 61
Mean 0.00109
Std Dev 1.024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

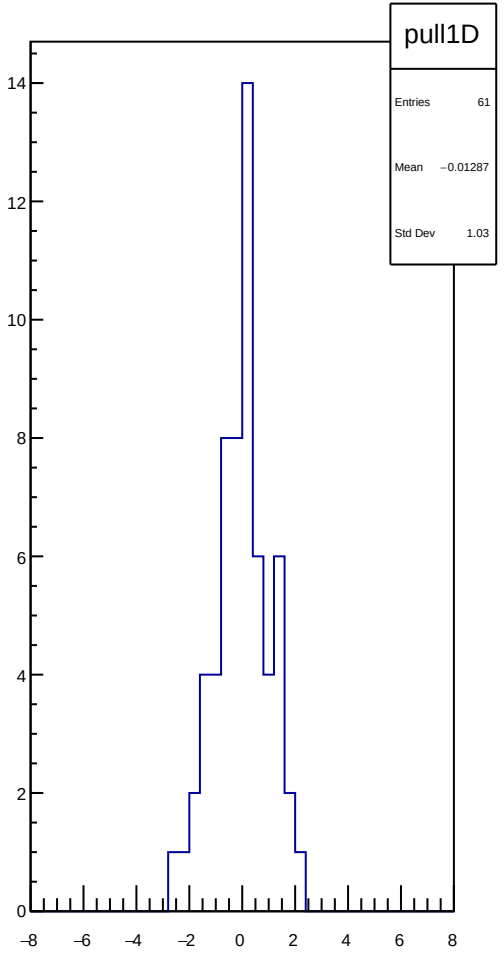

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1435 / 60
p0 32.33 ± 0.02962
35
34
33
32
31
30
29

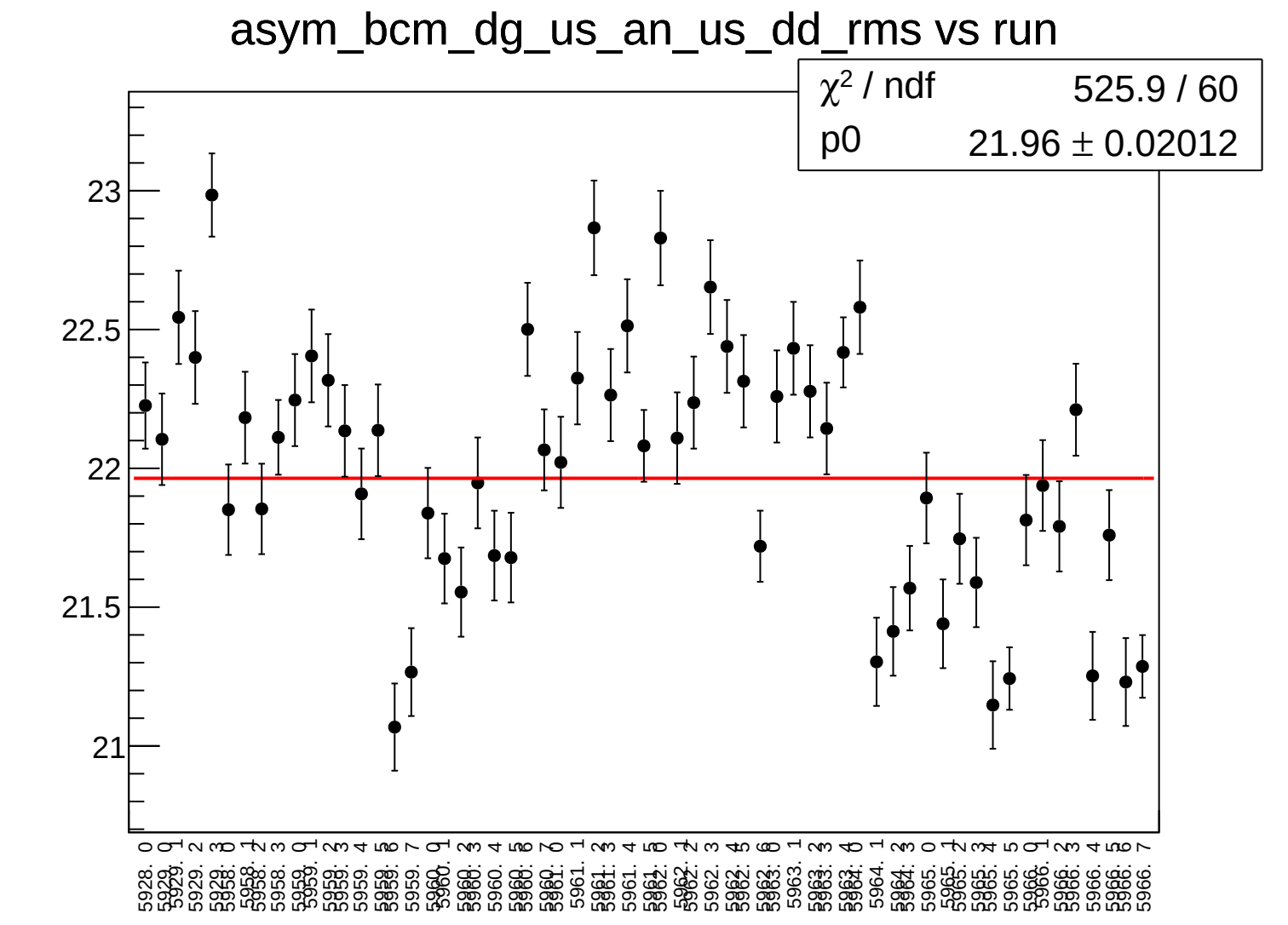

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 17.08 / 60
p0 212.2 ± 244.6
pull
Entries 61
Mean 31.73
Std Dev 47.14

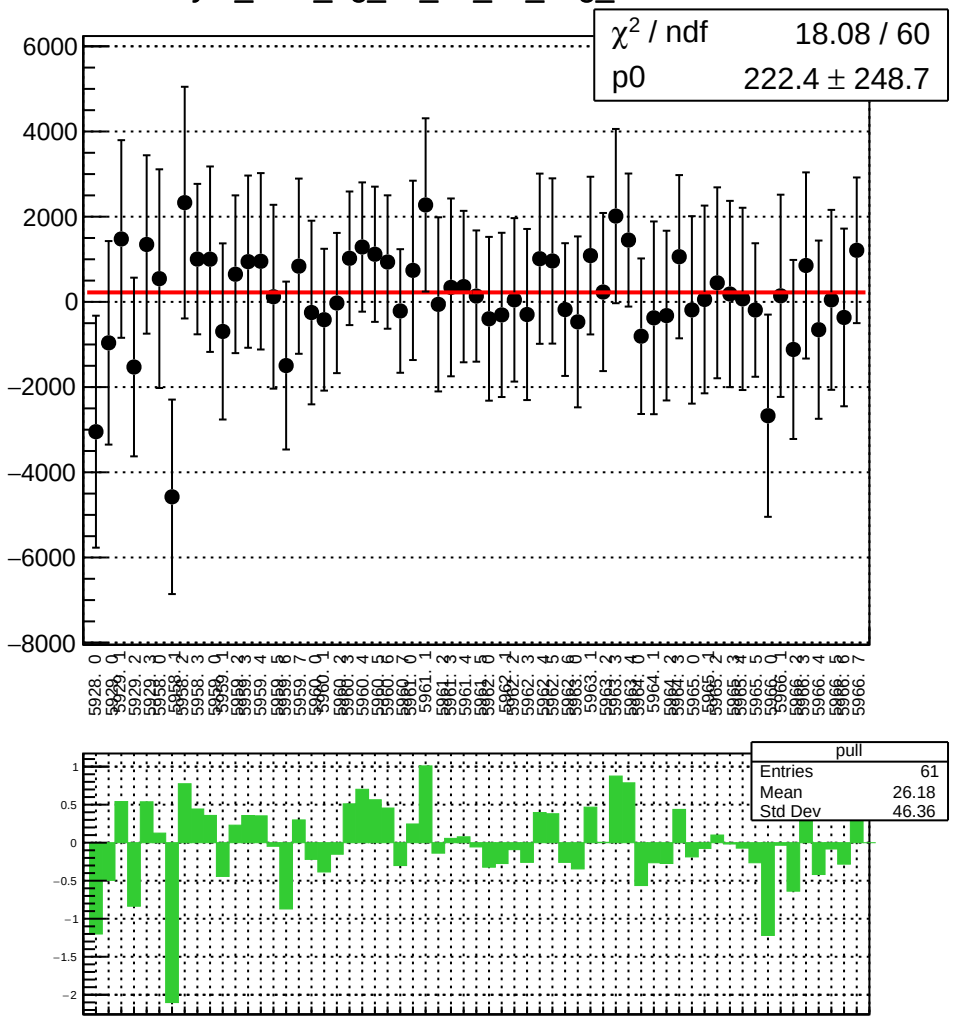

pull1D
Entries 61
Mean −0.01816
Std Dev 0.5289

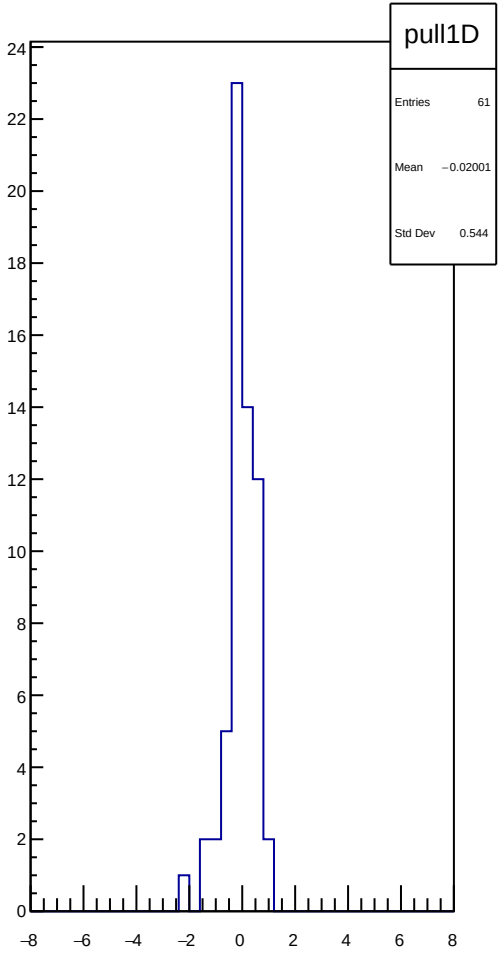

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 1.982e+04 / 60
p0 187.3 ± 0.173
280
260
240
220
200
180
160
140

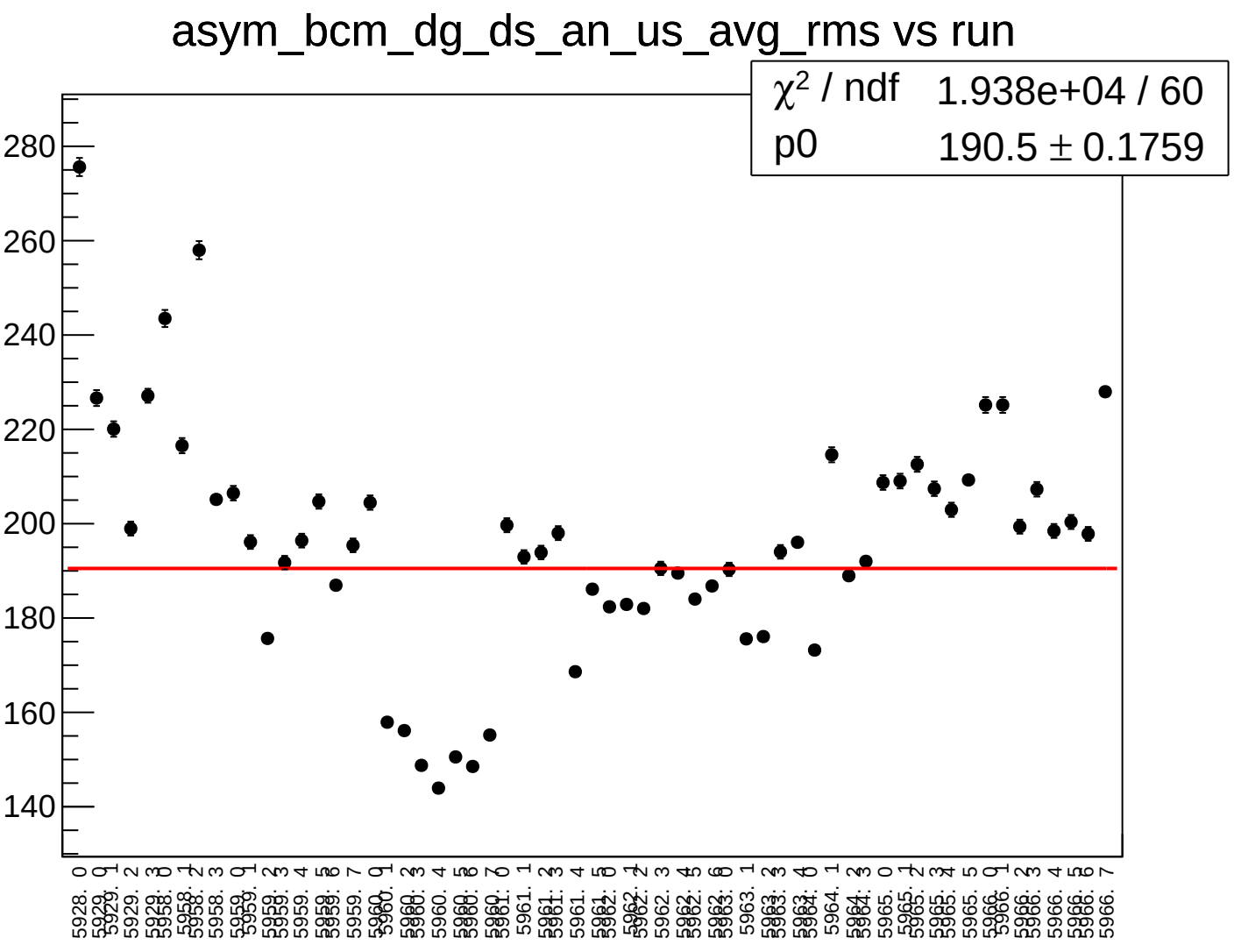

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 64.73 / 60
p0 −8.852 ± 28.45
pull
Entries 61
Mean 79.95
Std Dev 13.44

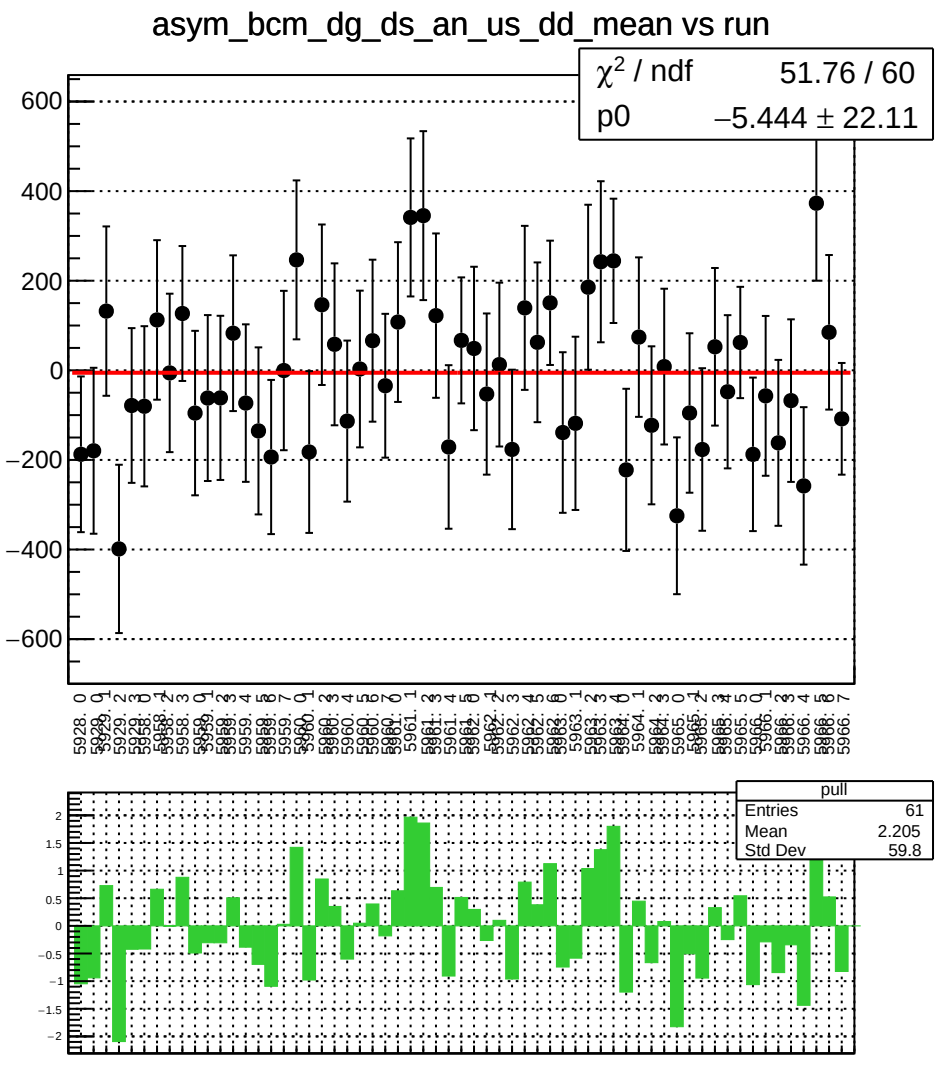

pull1D
Entries 61
Mean −0.01287
Std Dev 1.03

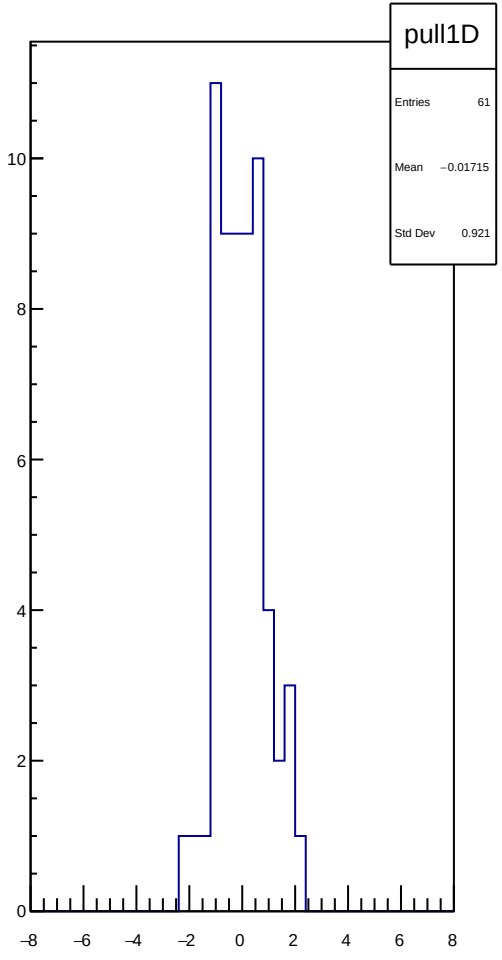

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 525.9 / 60
p0 21.96 ± 0.02012
23
22.5
22
21.5
21

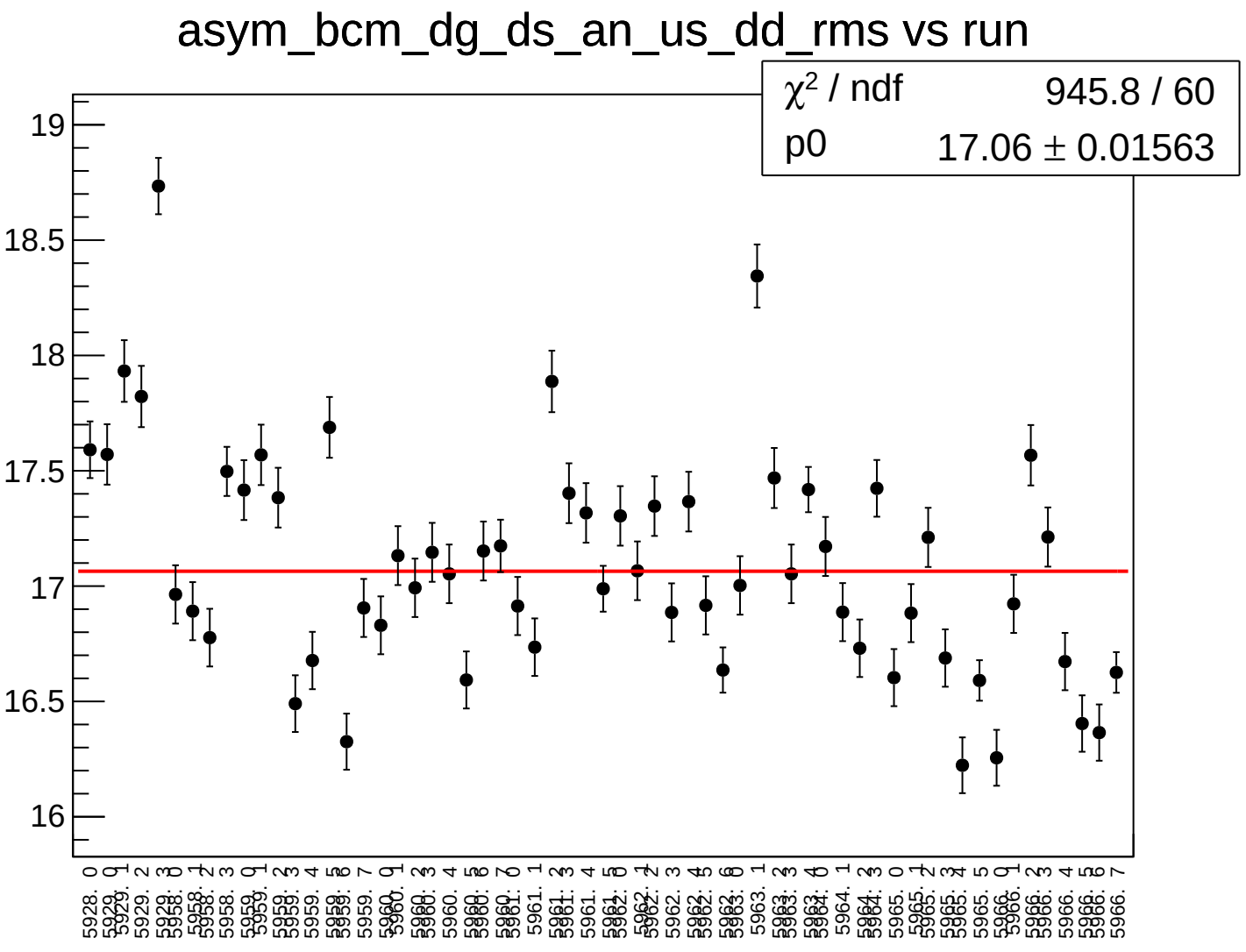

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 18.08 / 60
p0 222.4 ± 248.7
pull
Entries 61
Mean 26.18
Std Dev 46.36

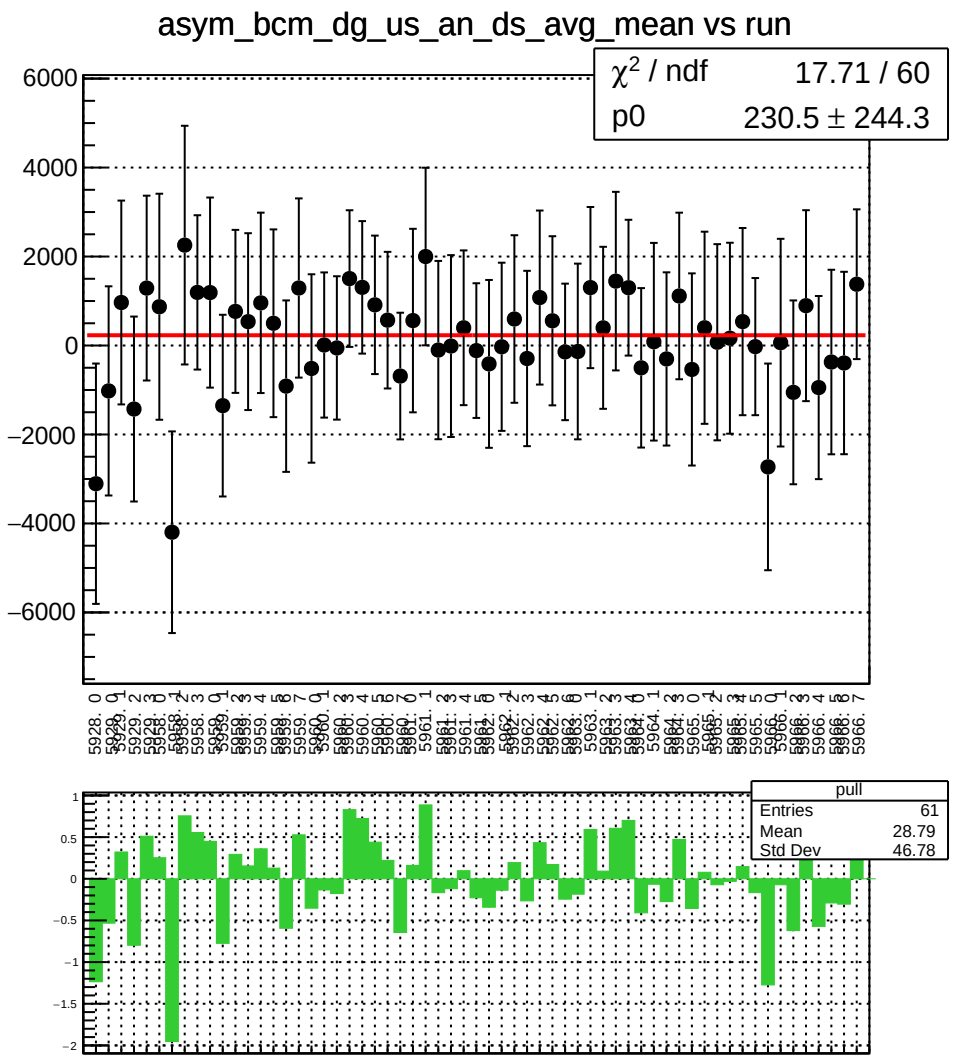

pull1D
Entries 61
Mean −0.02001
Std Dev 0.544

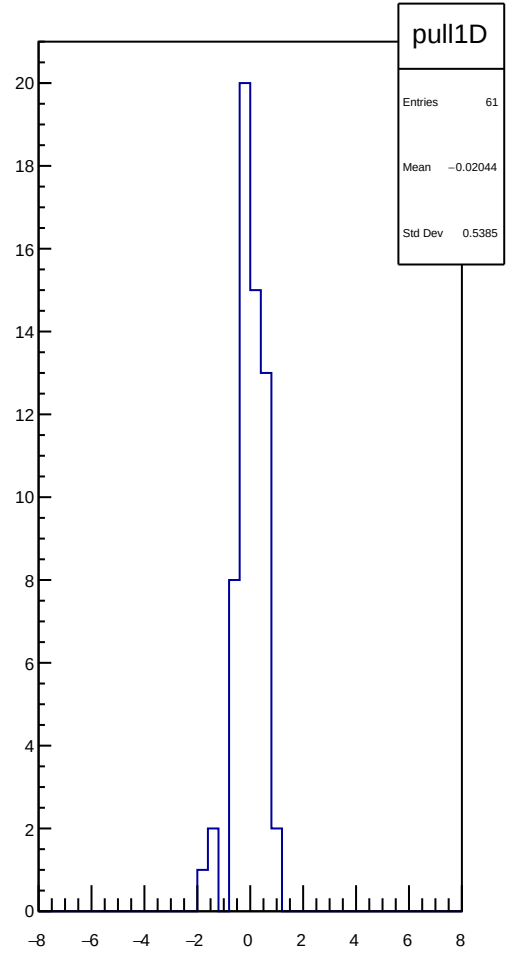

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 1.938e+04 / 60
p0 190.5 ± 0.1759
280
260
240
220
200
180
160
140

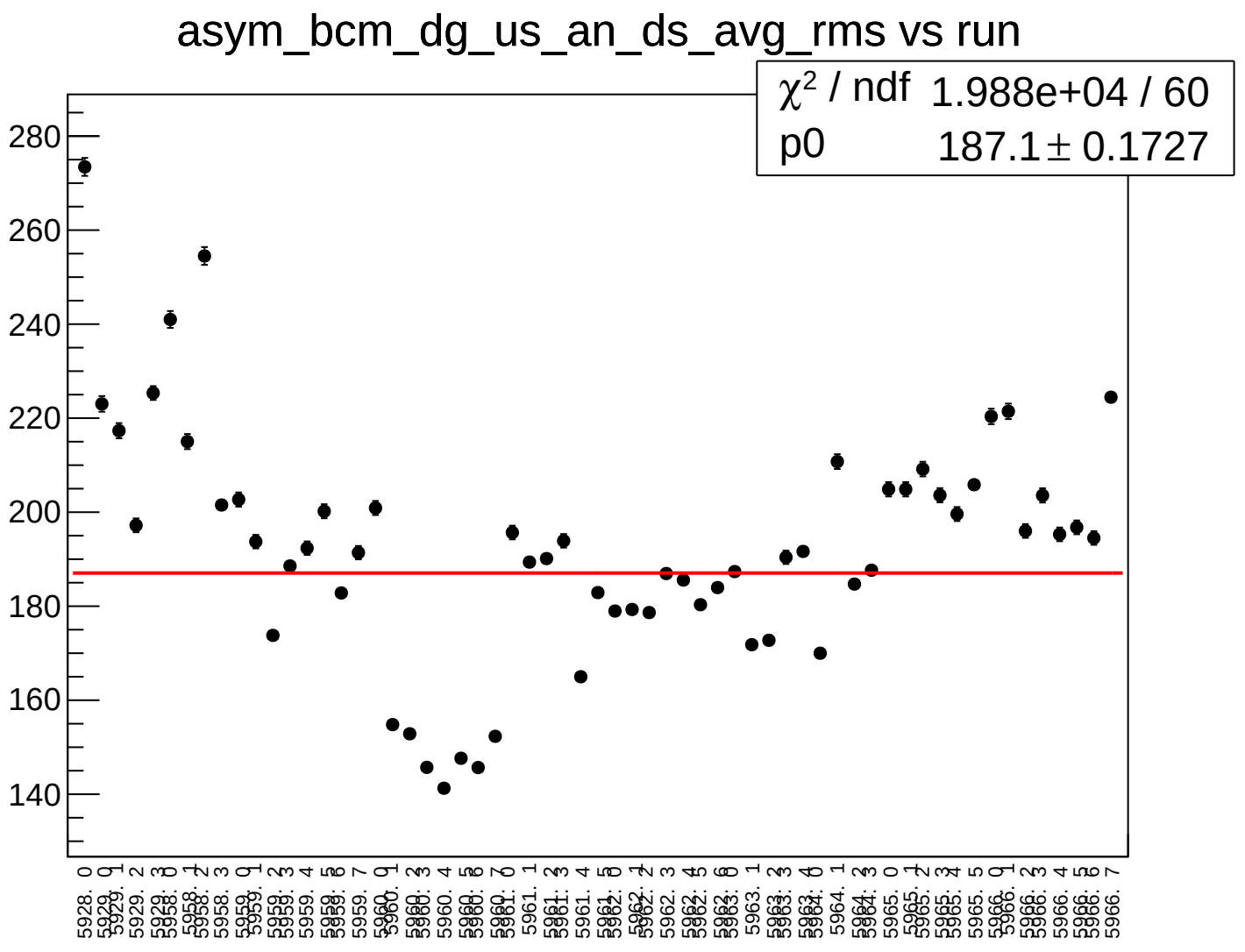

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 51.76 / 60
p0 −5.444 ± 22.11
pull
Entries 61
Mean 2.205
Std Dev 59.8

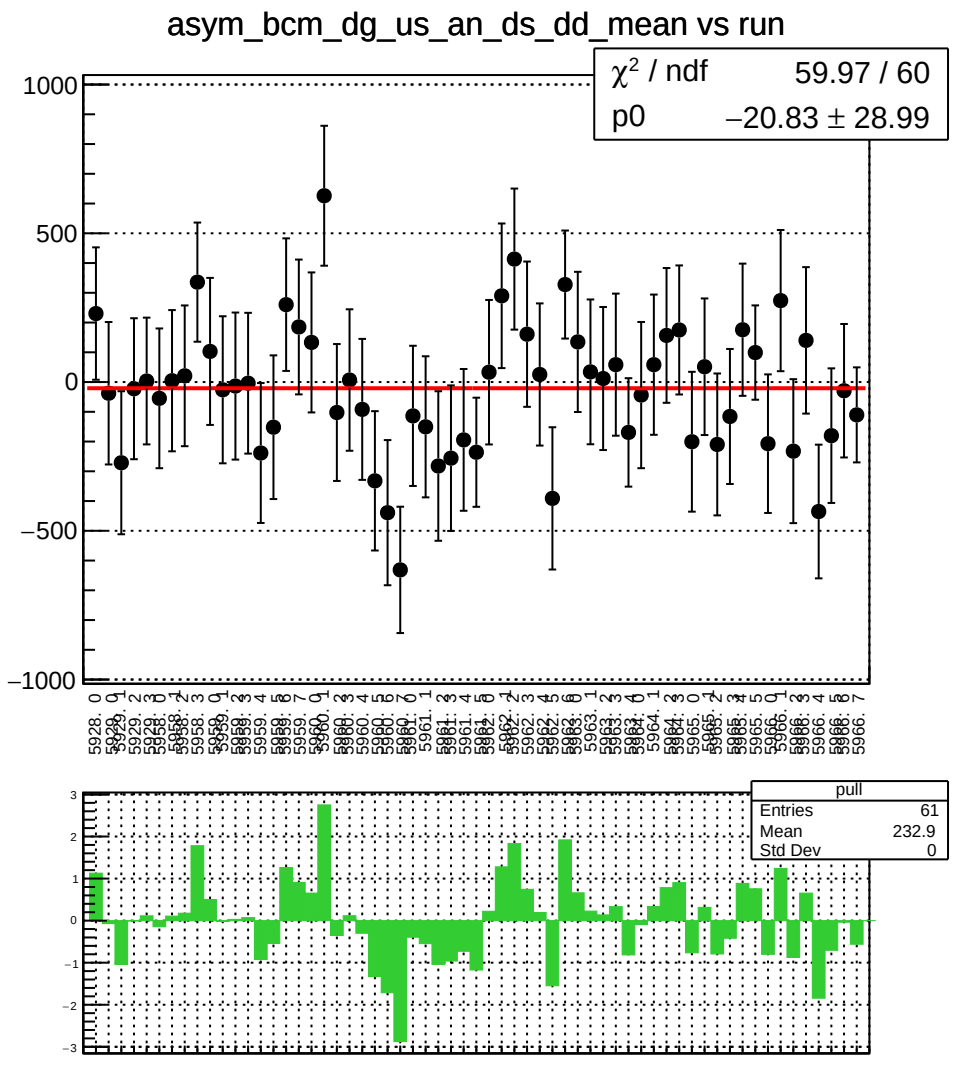

pull1D
Entries 61
Mean −0.01715
Std Dev 0.921

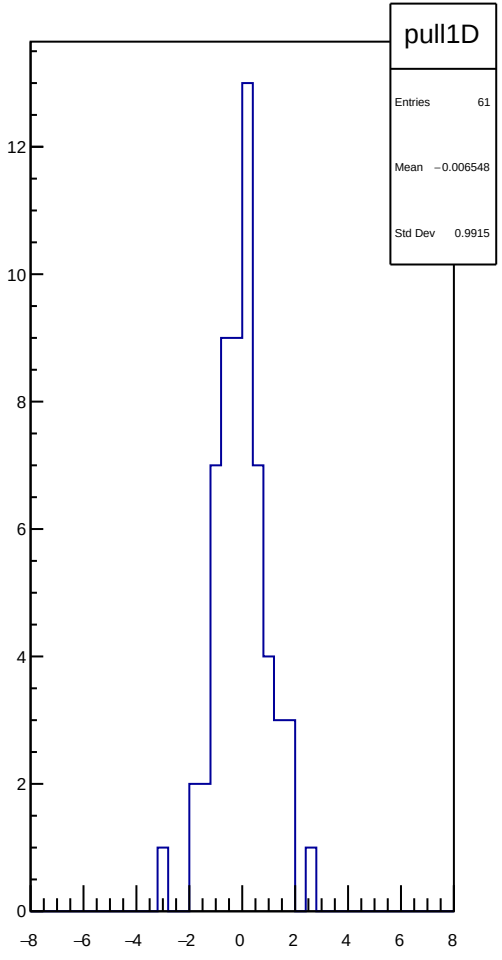

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 945.8 / 60
p0 17.06 ± 0.01563
19
18.5
18
17.5
17
16.5
16

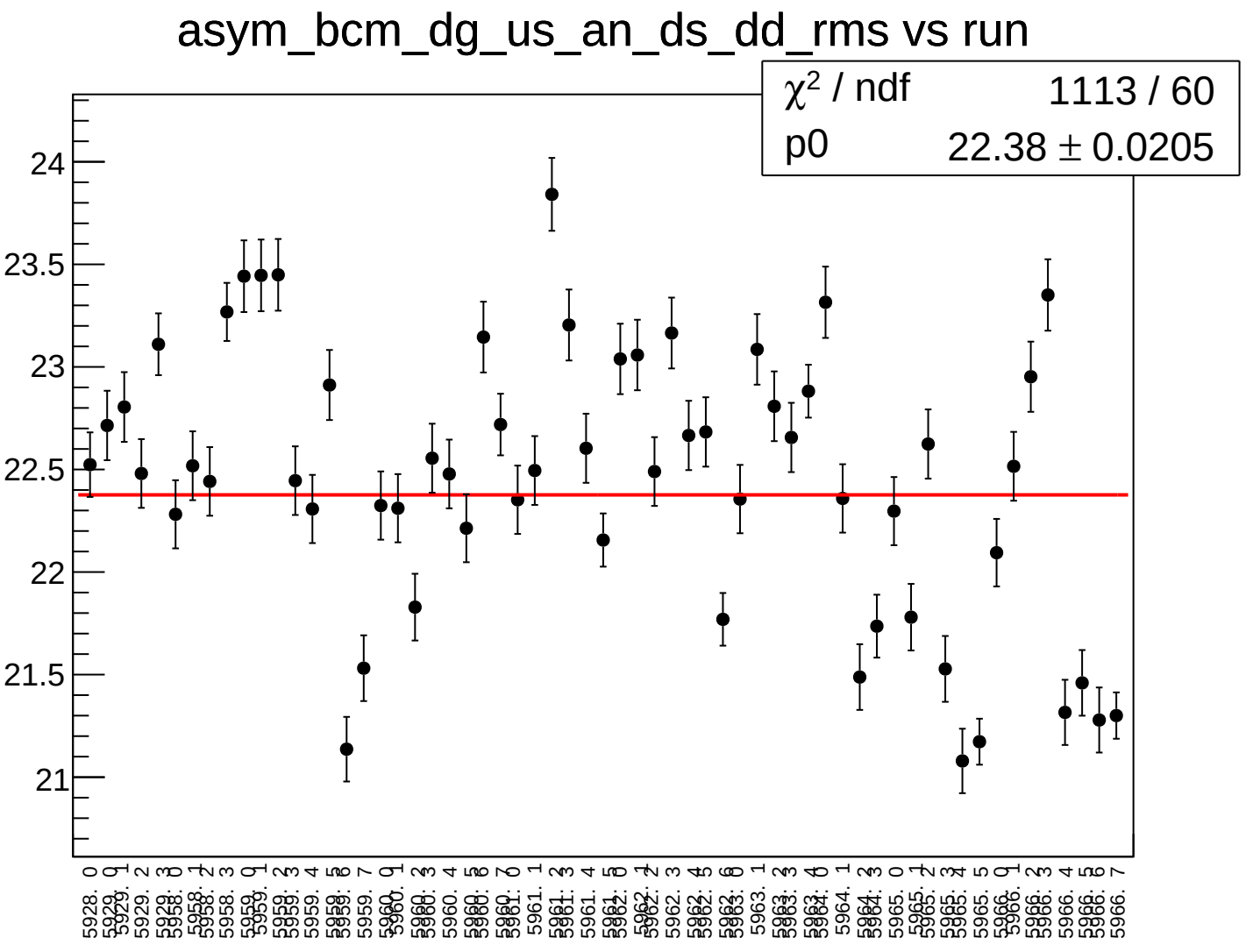

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 17.71 / 60
p0 230.5 ± 244.3
pull
Entries 61
Mean 28.79
Std Dev 46.78

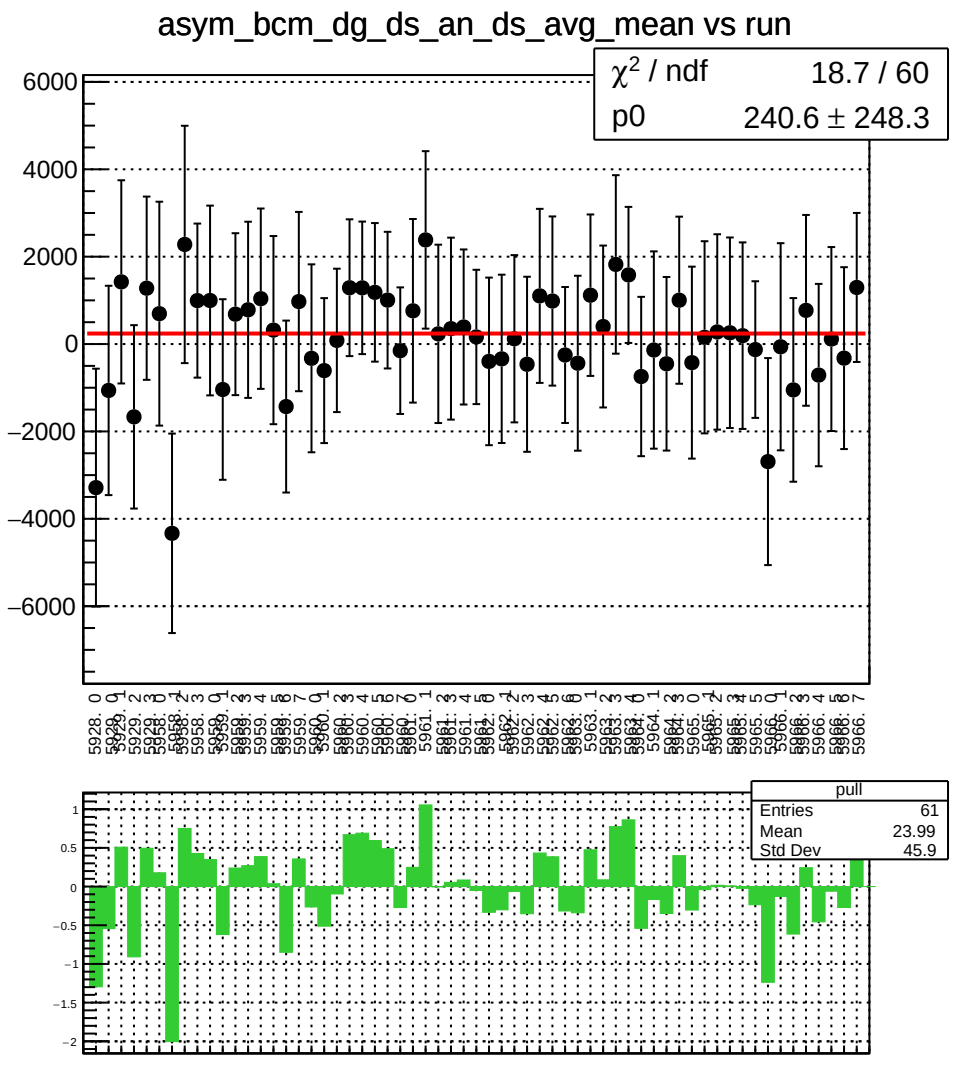

pull1D
Entries 61
Mean −0.02044
Std Dev 0.5385

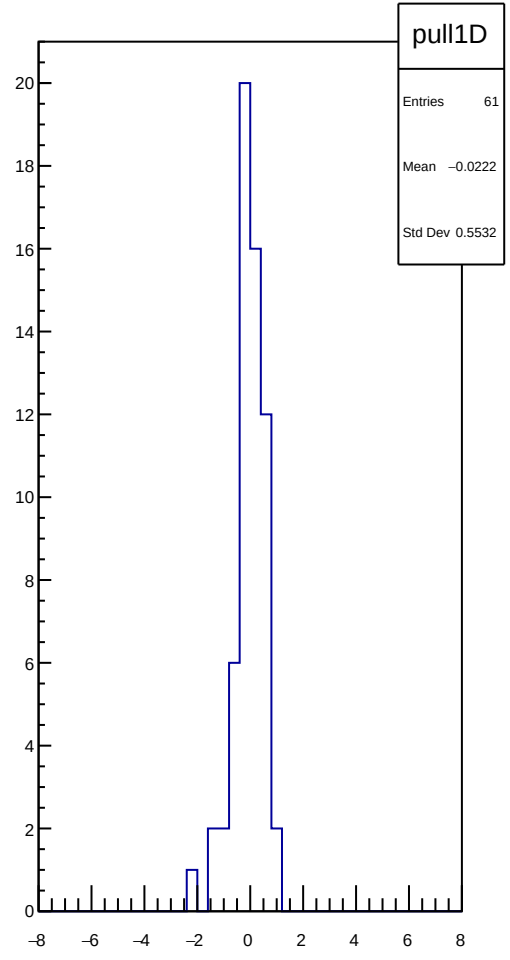

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 1.988e+04 / 60
p0 187.1 ± 0.1727
280
260
240
220
200
180
160
140

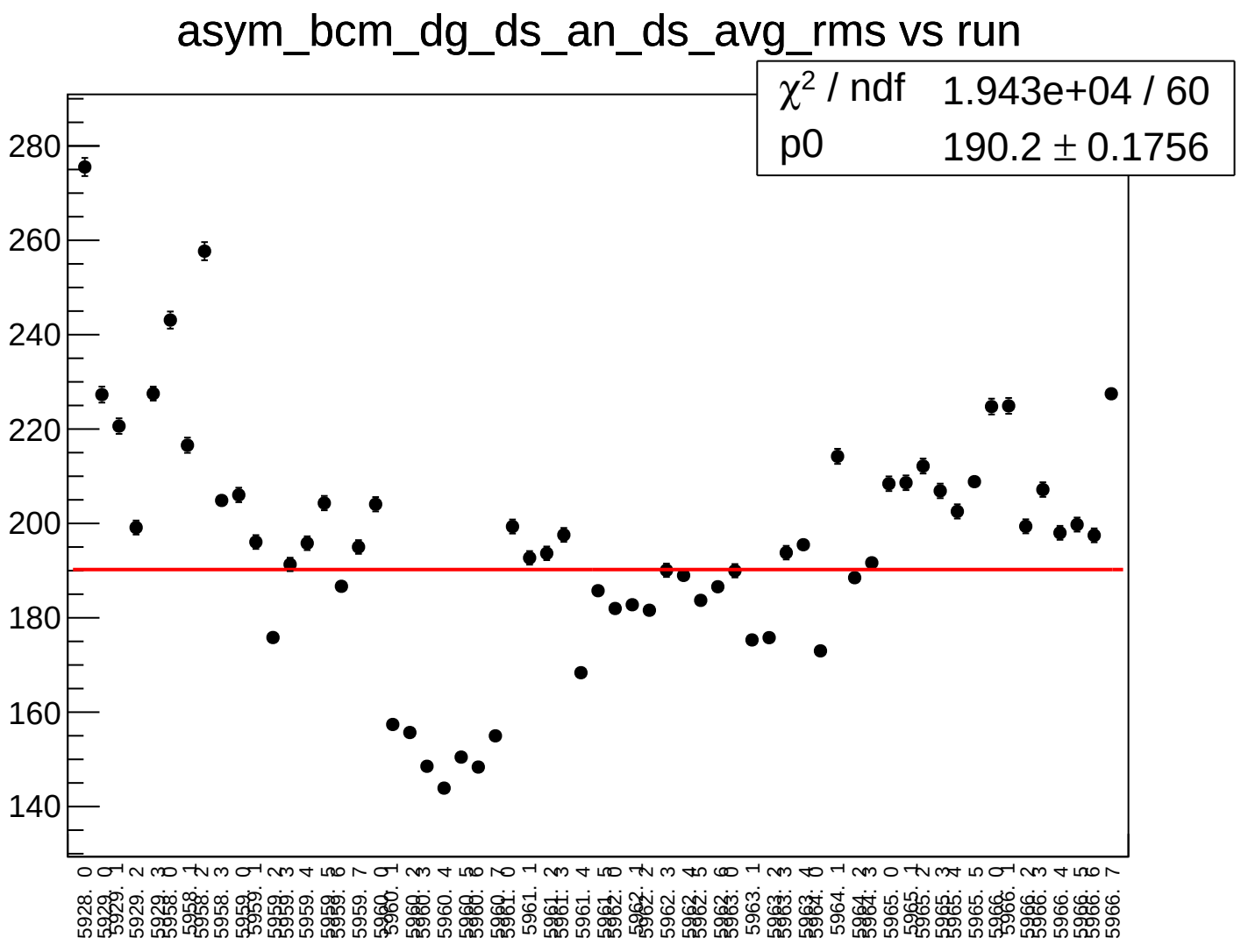

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 59.97 / 60
p0 −20.83 ± 28.99
1000
500
0
−500
−1000
pull
Entries 61
Mean 232.9
Std Dev 0
3
2
1
0
−1
−2
−3

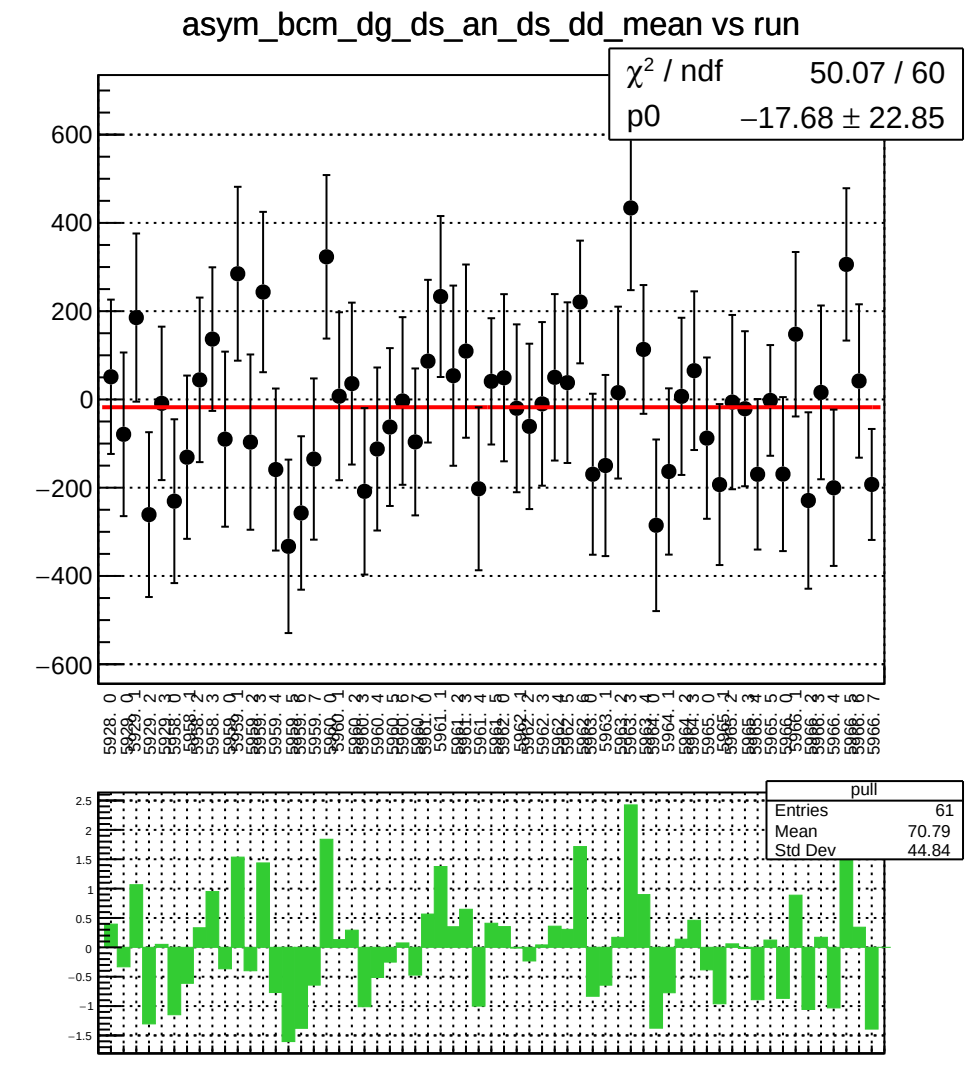

pull1D
Entries 61
Mean −0.006548
Std Dev 0.9915
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

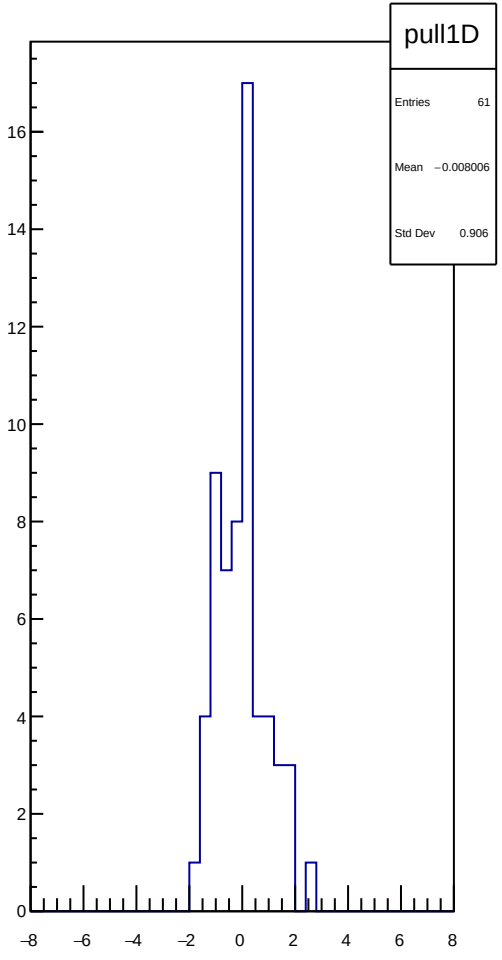

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 1113 / 60
p0 22.38 ± 0.0205
24
23.5
23
22.5
22
21.5
21

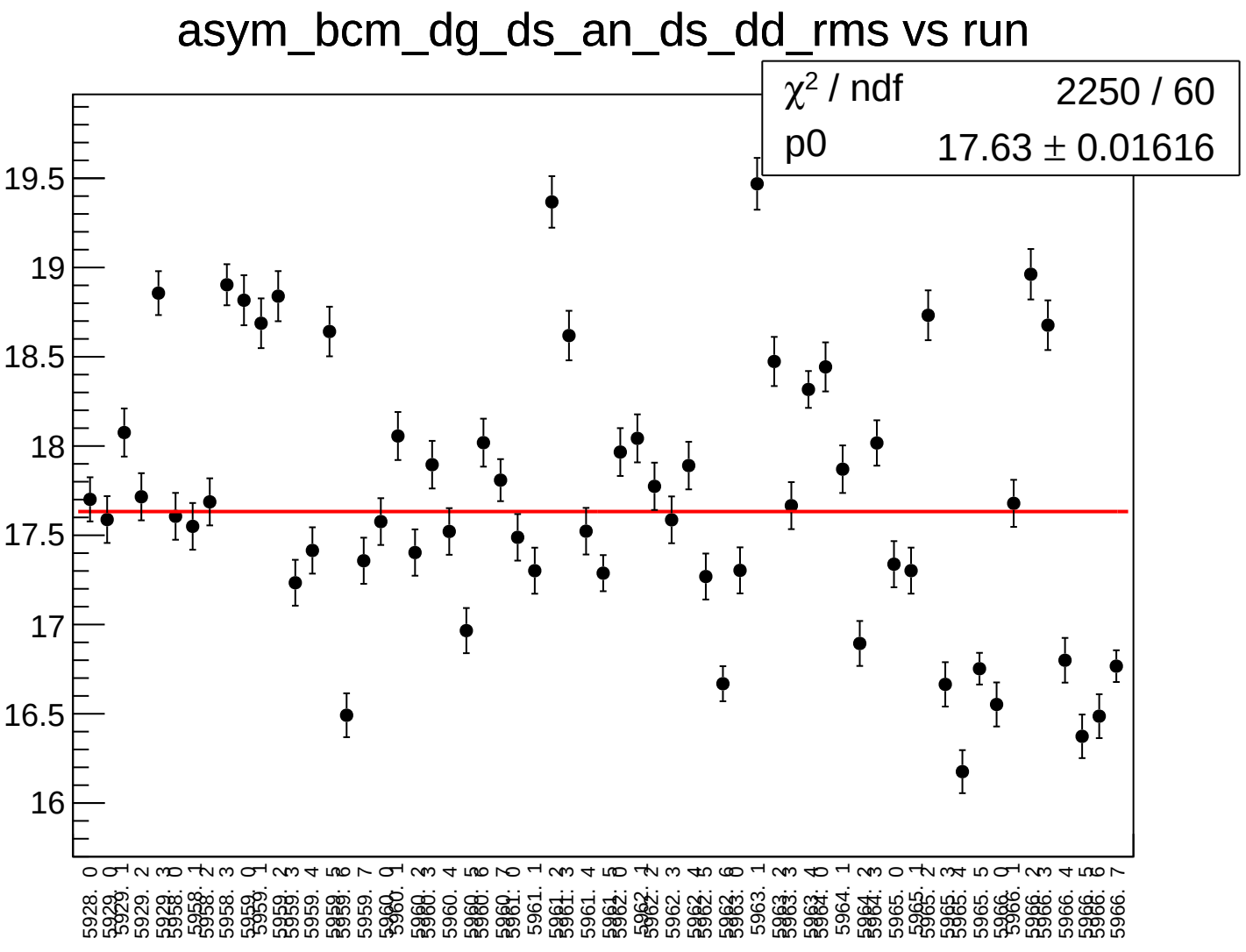

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 18.7 / 60
p0 240.6 ± 248.3
pull
Entries 61
Mean 23.99
Std Dev 45.9

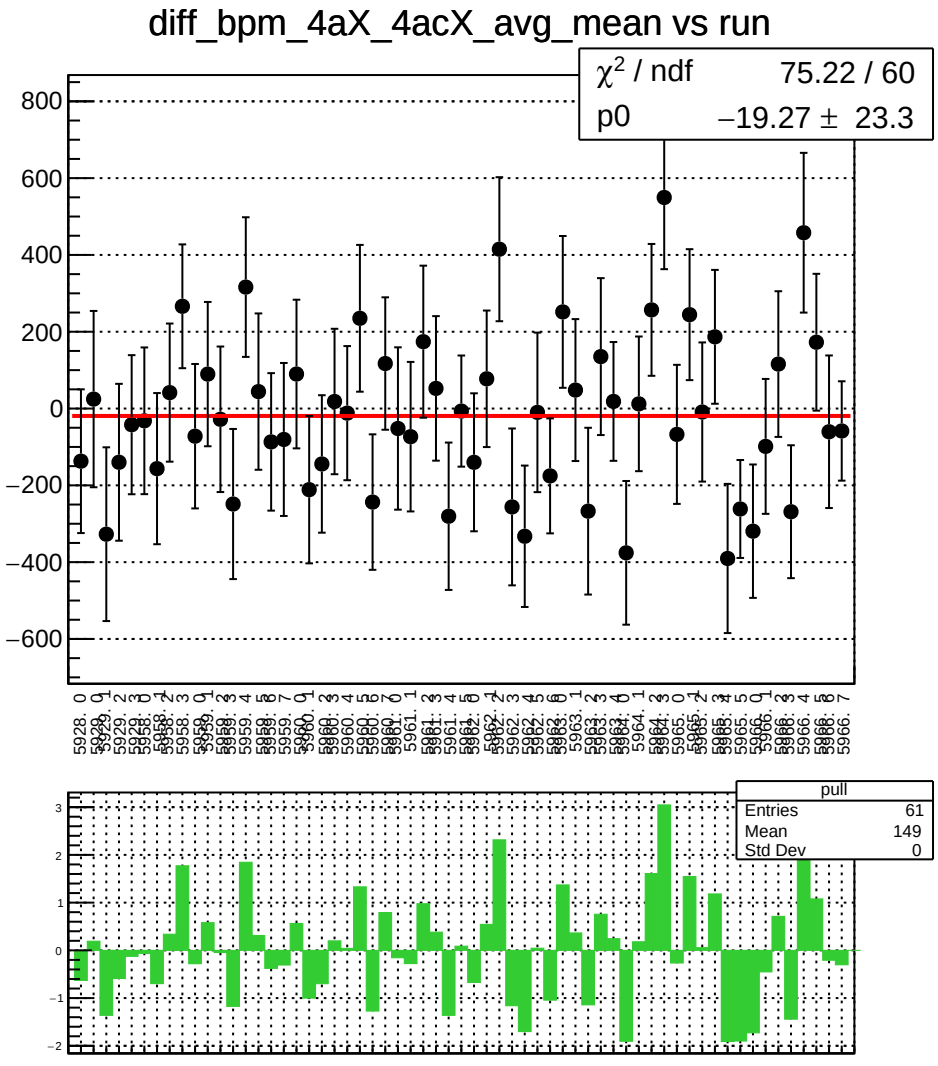

pull1D
Entries 61
Mean −0.0222
Std Dev 0.5532

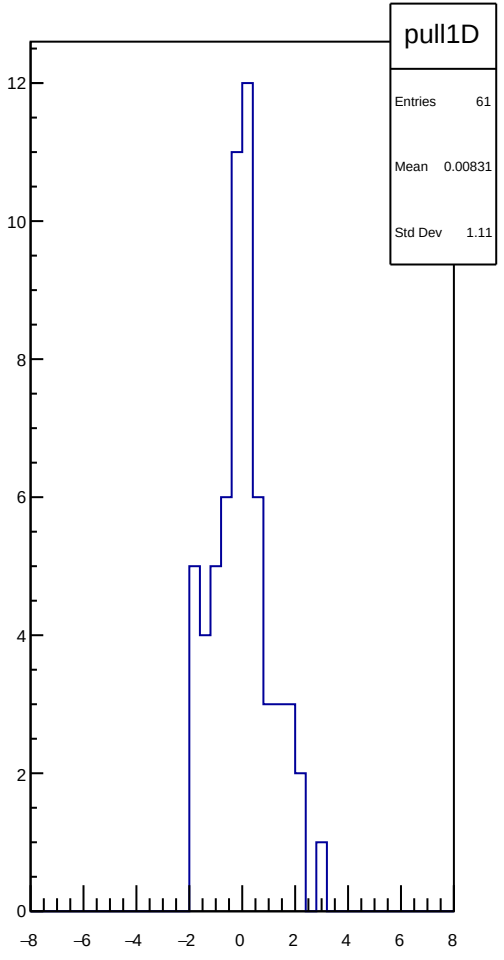

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 1.943e+04 / 60
p0 190.2 ± 0.1756
280
260
240
220
200
180
160
140

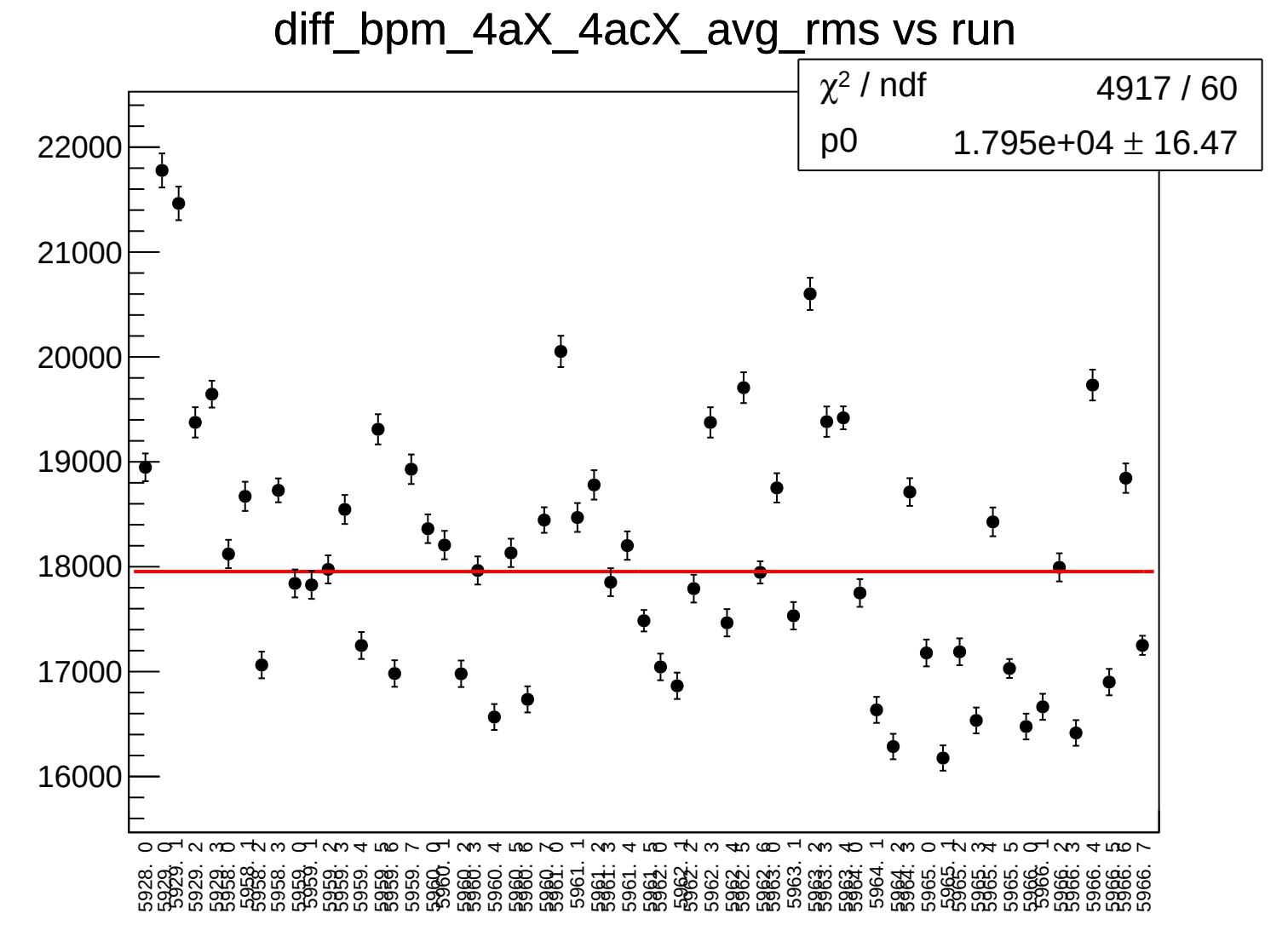

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 50.07 / 60
p0 −17.68 ± 22.85
pull
Entries 61
Mean 70.79
Std Dev 44.84

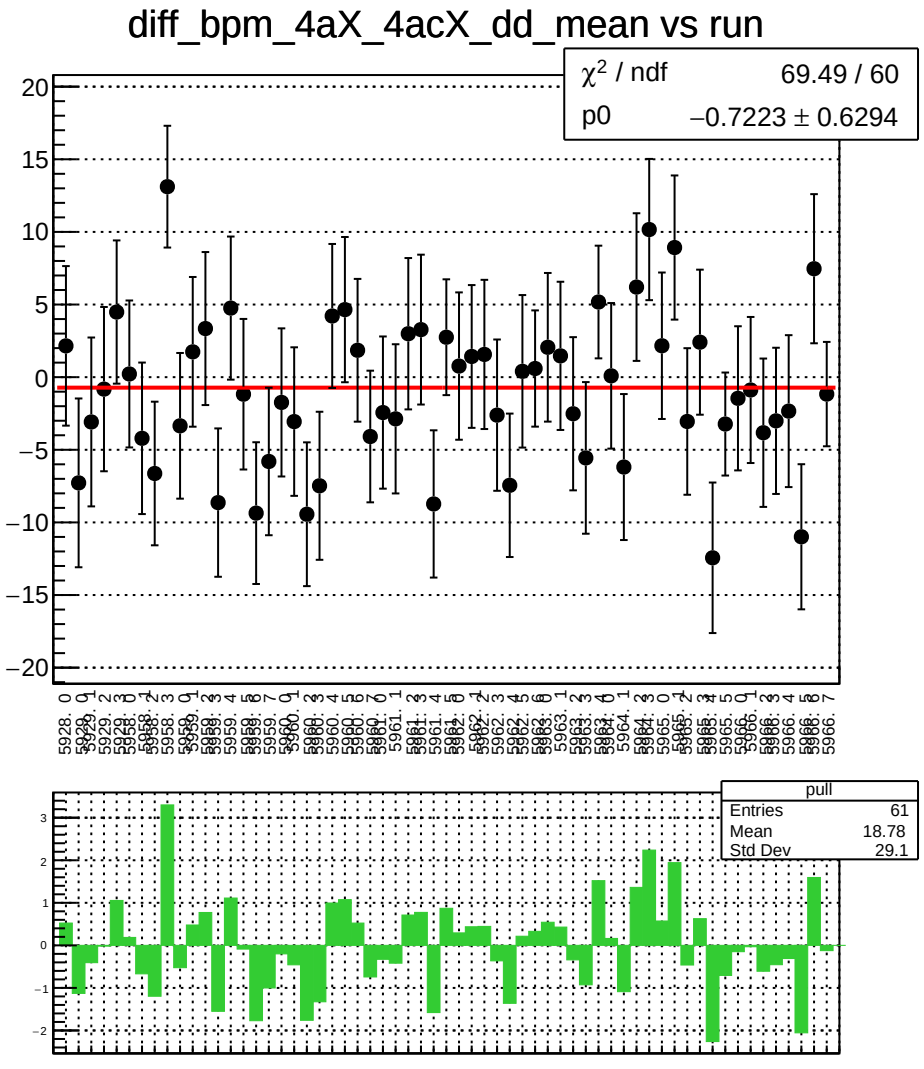

pull1D
Entries 61
Mean −0.008006
Std Dev 0.906

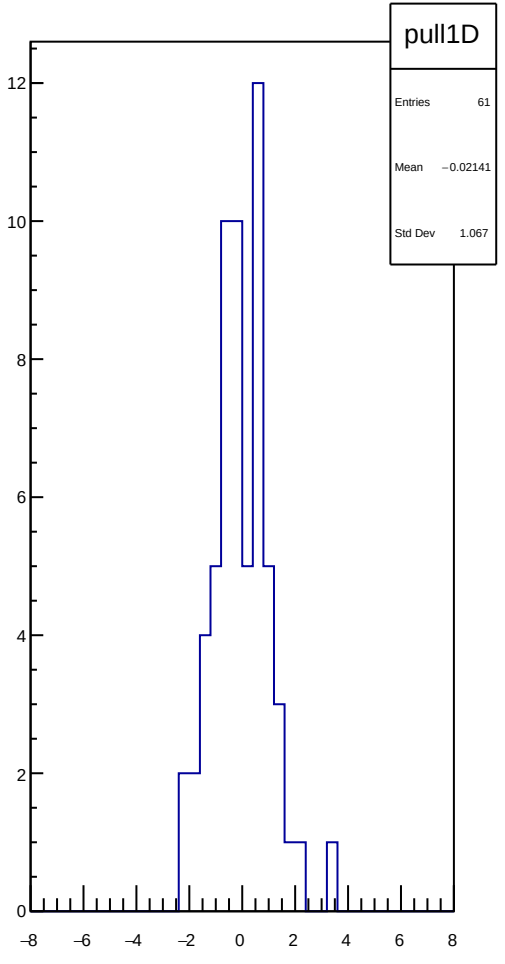

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 2250 / 60
p0 17.63 ± 0.01616
19.5
19
18.5
18
17.5
17
16.5
16

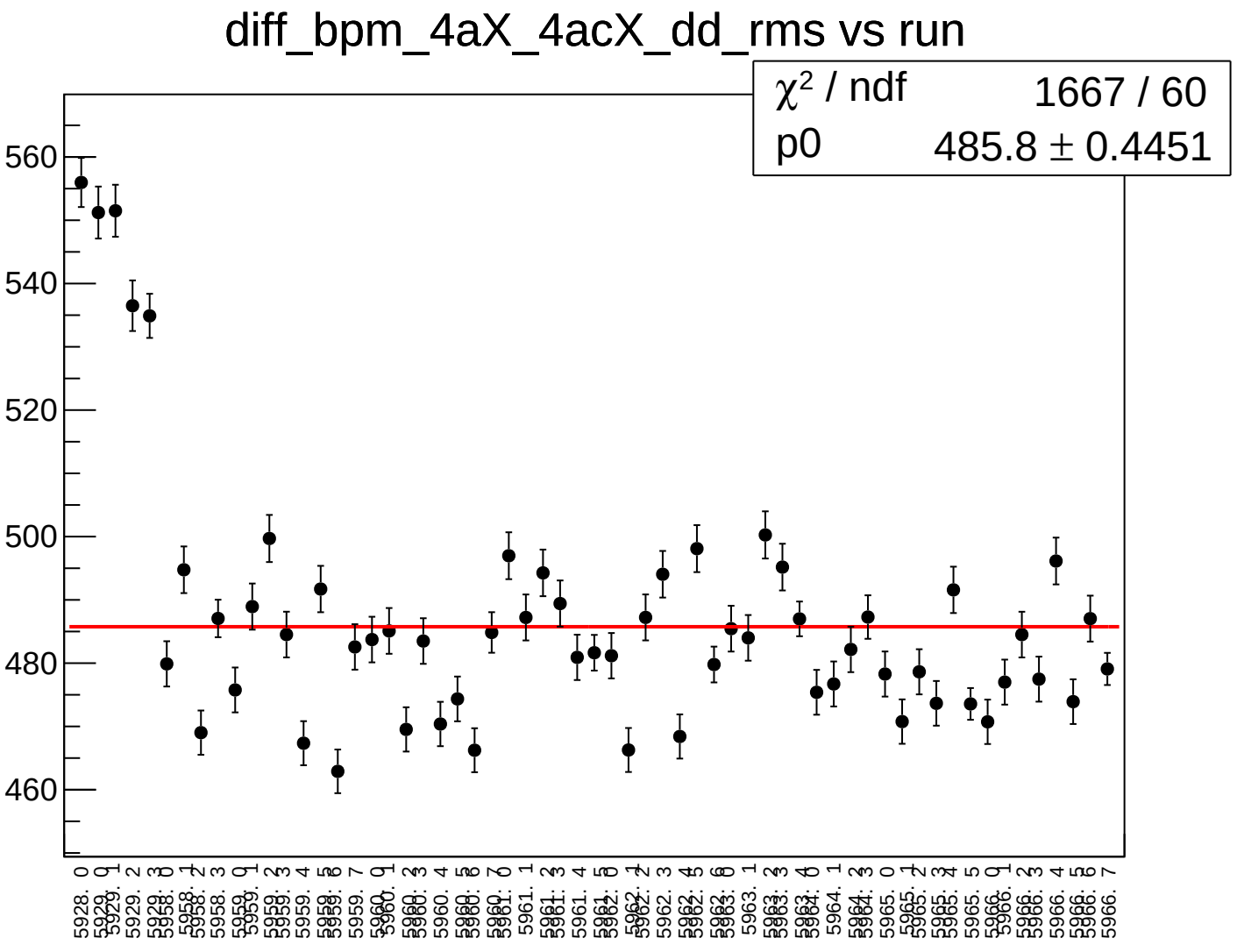

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 75.22 / 60
p0 −19.27 ± 23.3
pull
Entries 61
Mean 149
Std Dev 0

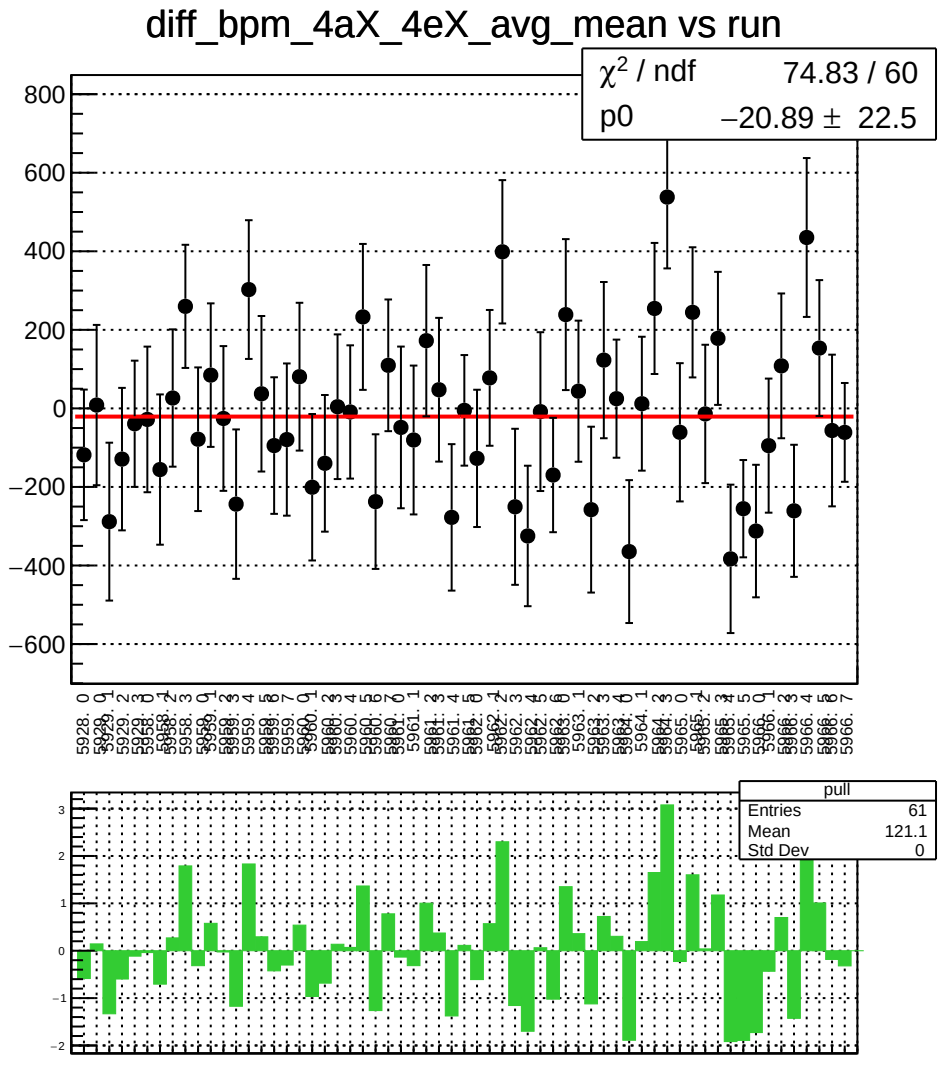

pull1D
Entries 61
Mean 0.00831
Std Dev 1.11

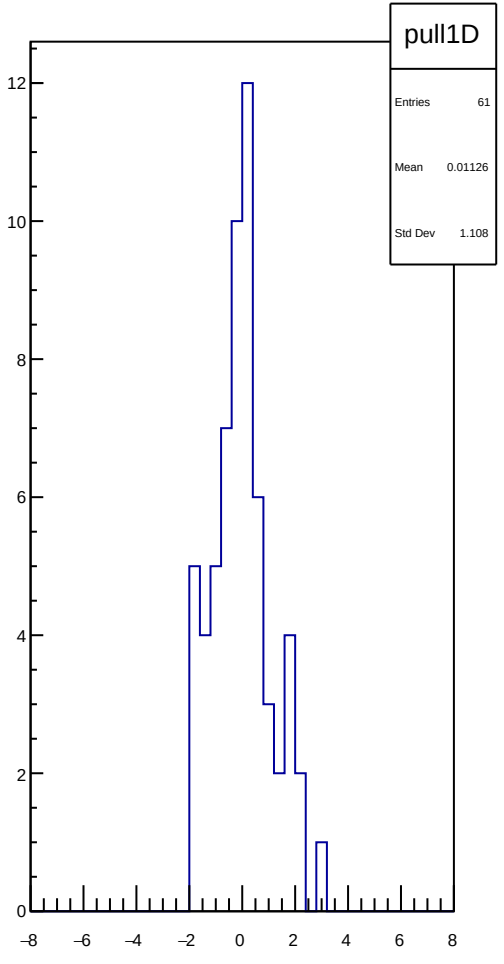

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4917 / 60
p0 1.795e+04 ± 16.47
22000
21000
20000
19000
18000
17000
16000

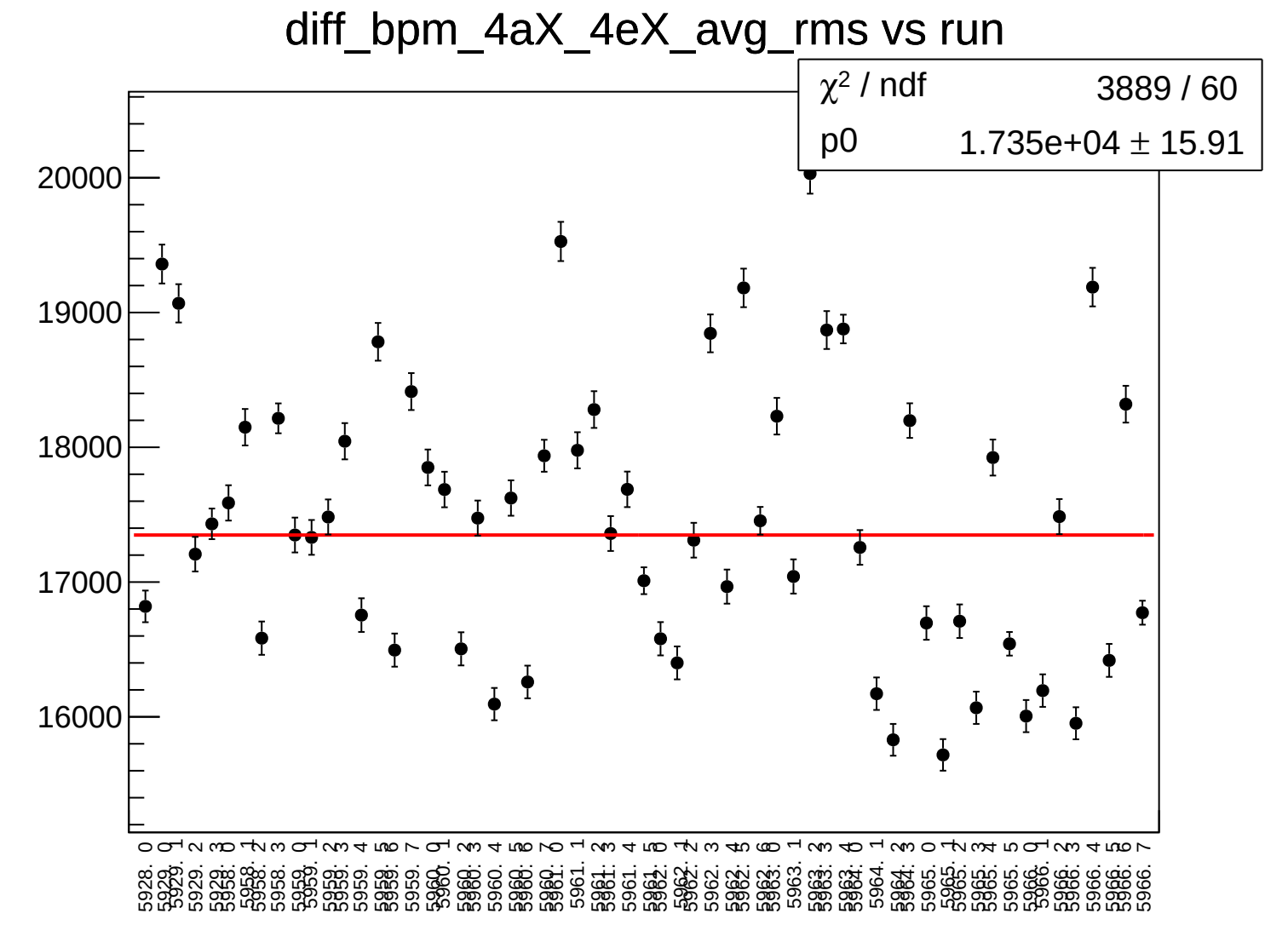

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 69.49 / 60
p0 −0.7223 ± 0.6294
pull
Entries 61
Mean 18.78
Std Dev 29.1

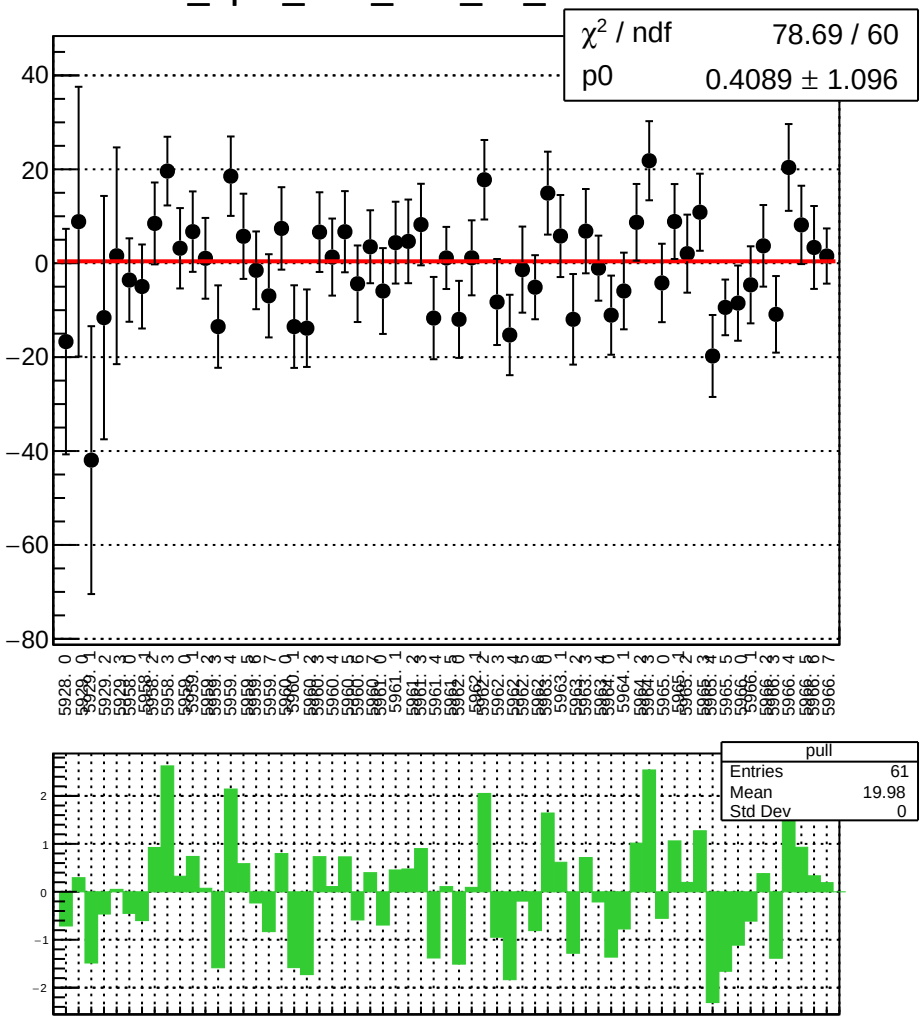

pull1D
Entries 61
Mean −0.02141
Std Dev 1.067

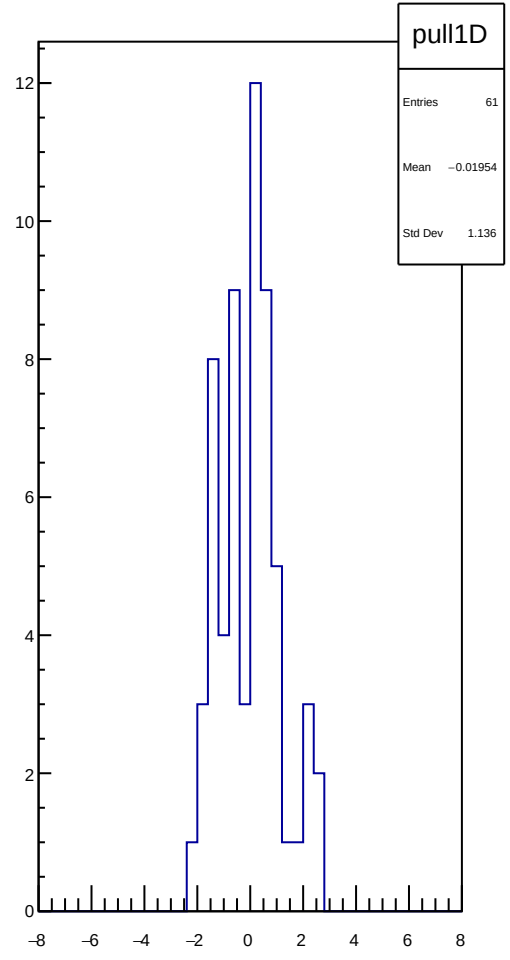

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 1667 / 60
p0 485.8 ± 0.4451
560
540
520
500
480
460

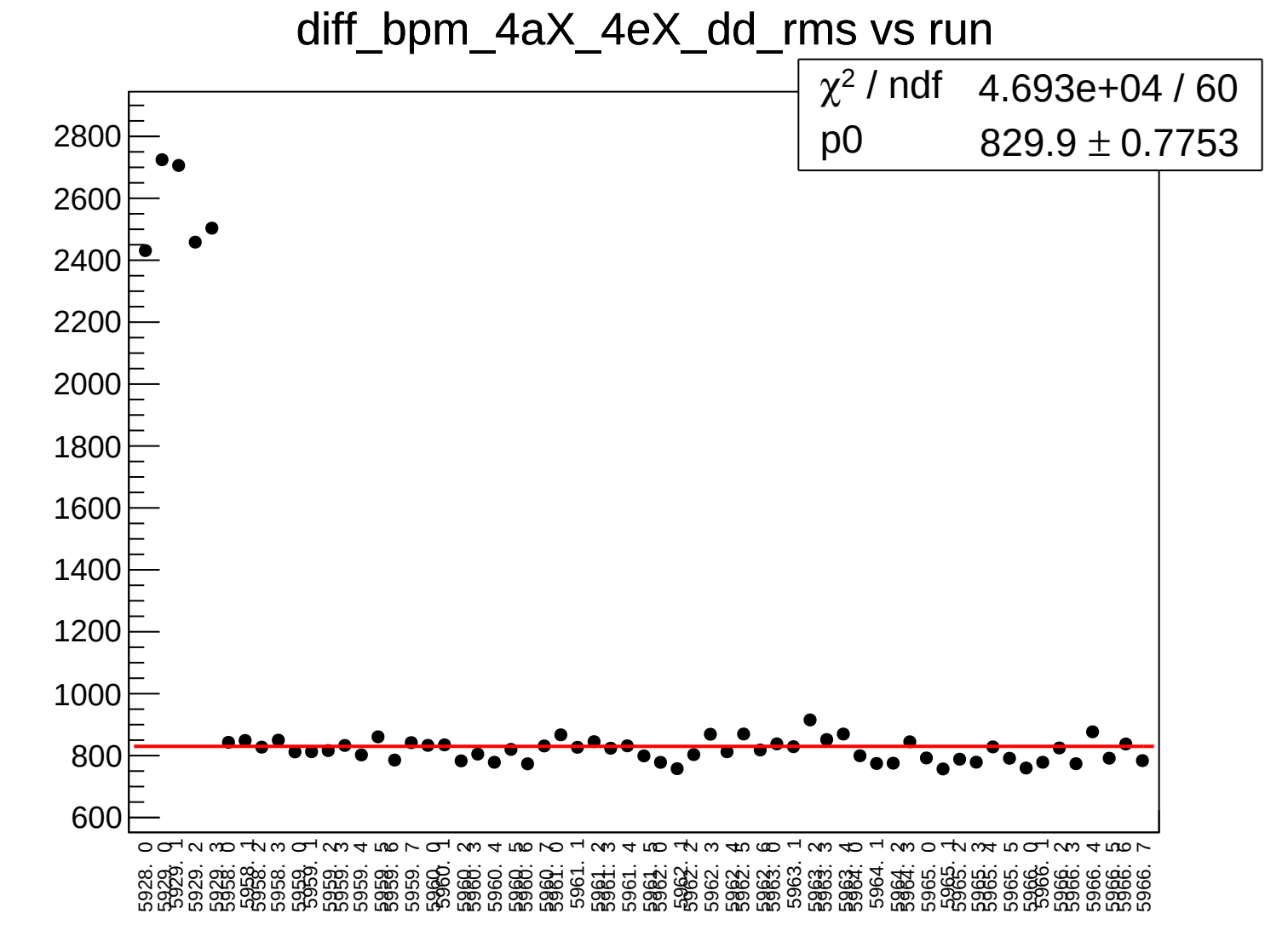

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 74.83 / 60
p0 −20.89 ± 22.5
pull
Entries 61
Mean 121.1
Std Dev 0

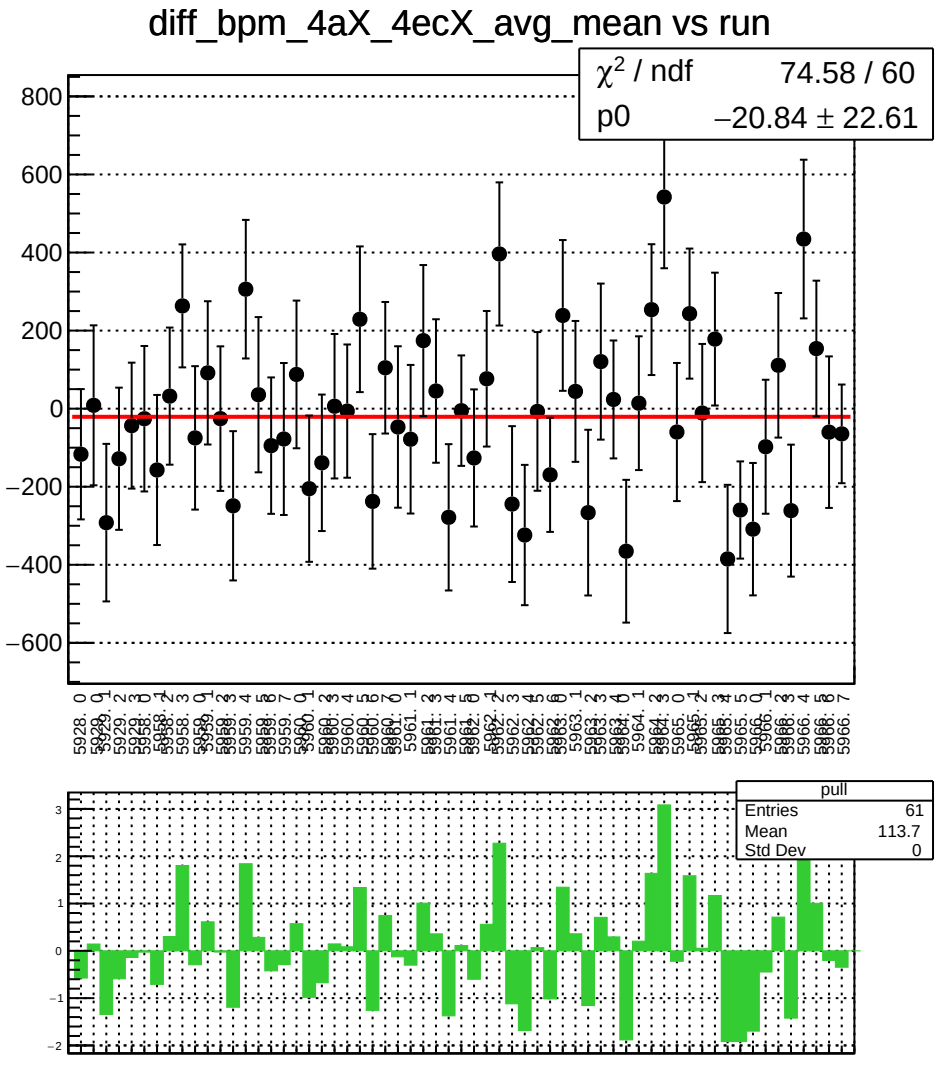

pull1D
Entries 61
Mean 0.01126
Std Dev 1.108

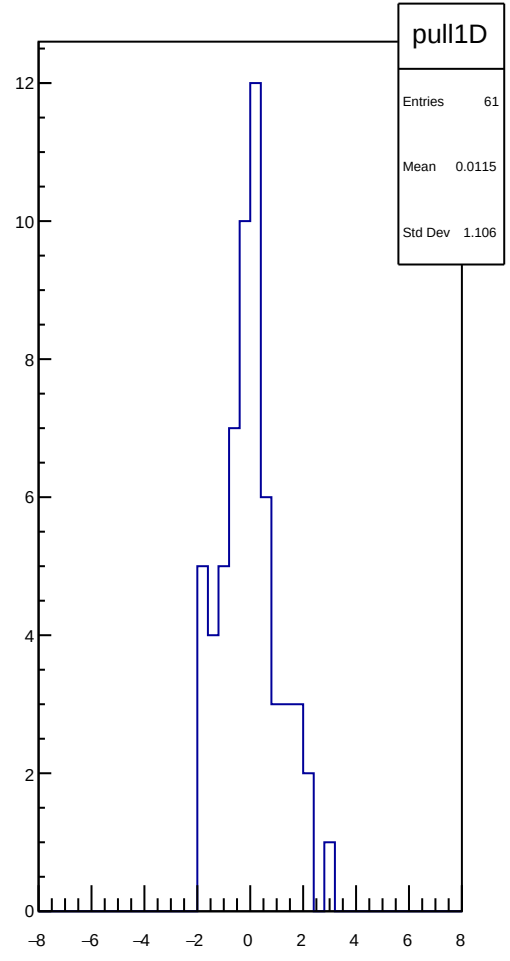

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 3889 / 60
p0 1.735e+04 ± 15.91
20000
19000
18000
17000
16000

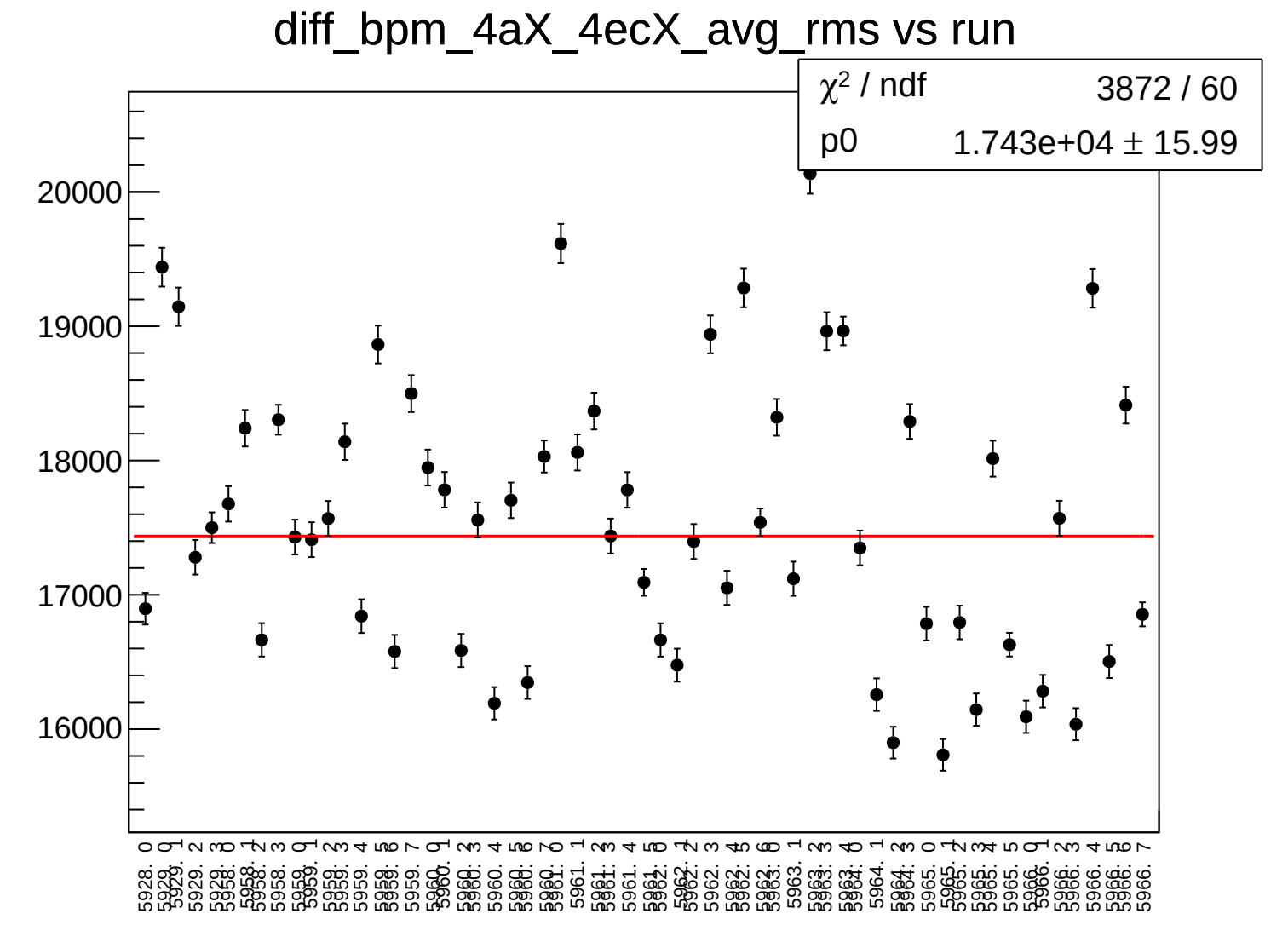

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 78.69 / 60
p0 0.4089 ± 1.096
pull
Entries 61
Mean 19.98
Std Dev 0

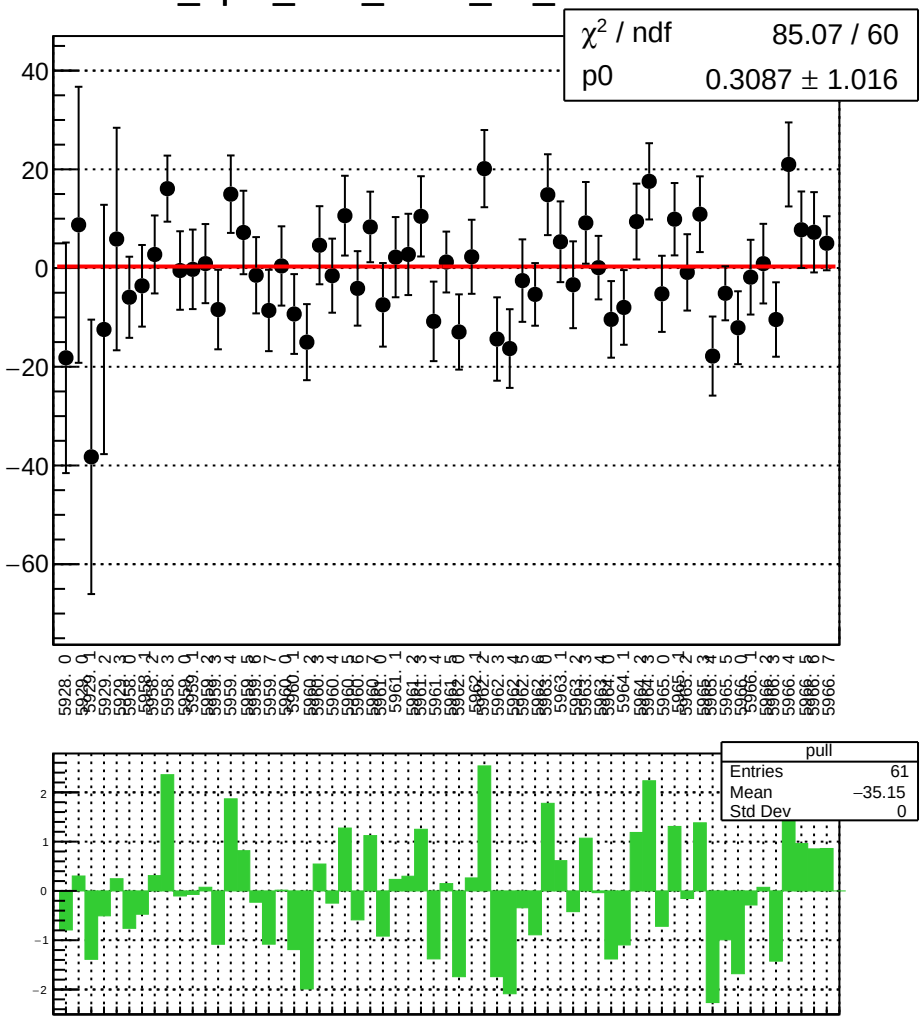

pull1D
Entries 61
Mean −0.01954
Std Dev 1.136

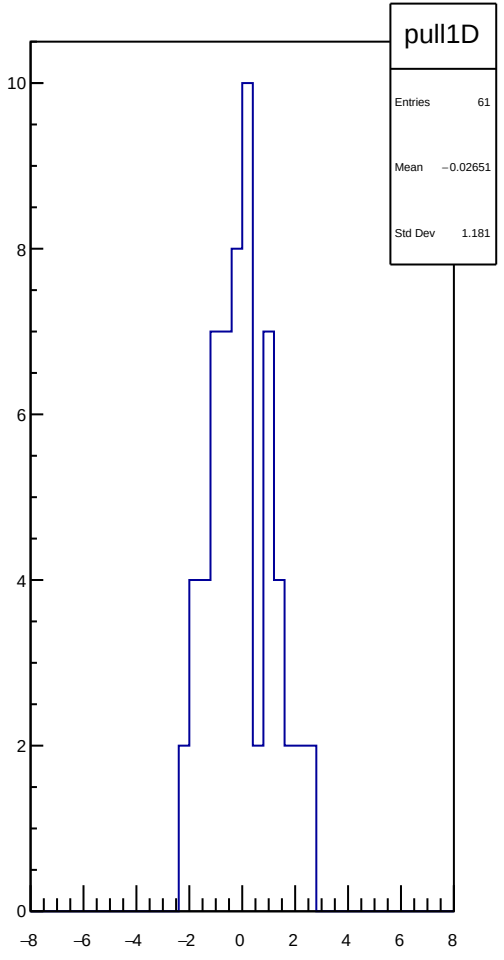

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 4.693e+04 / 60
p0 829.9 ± 0.7753
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600

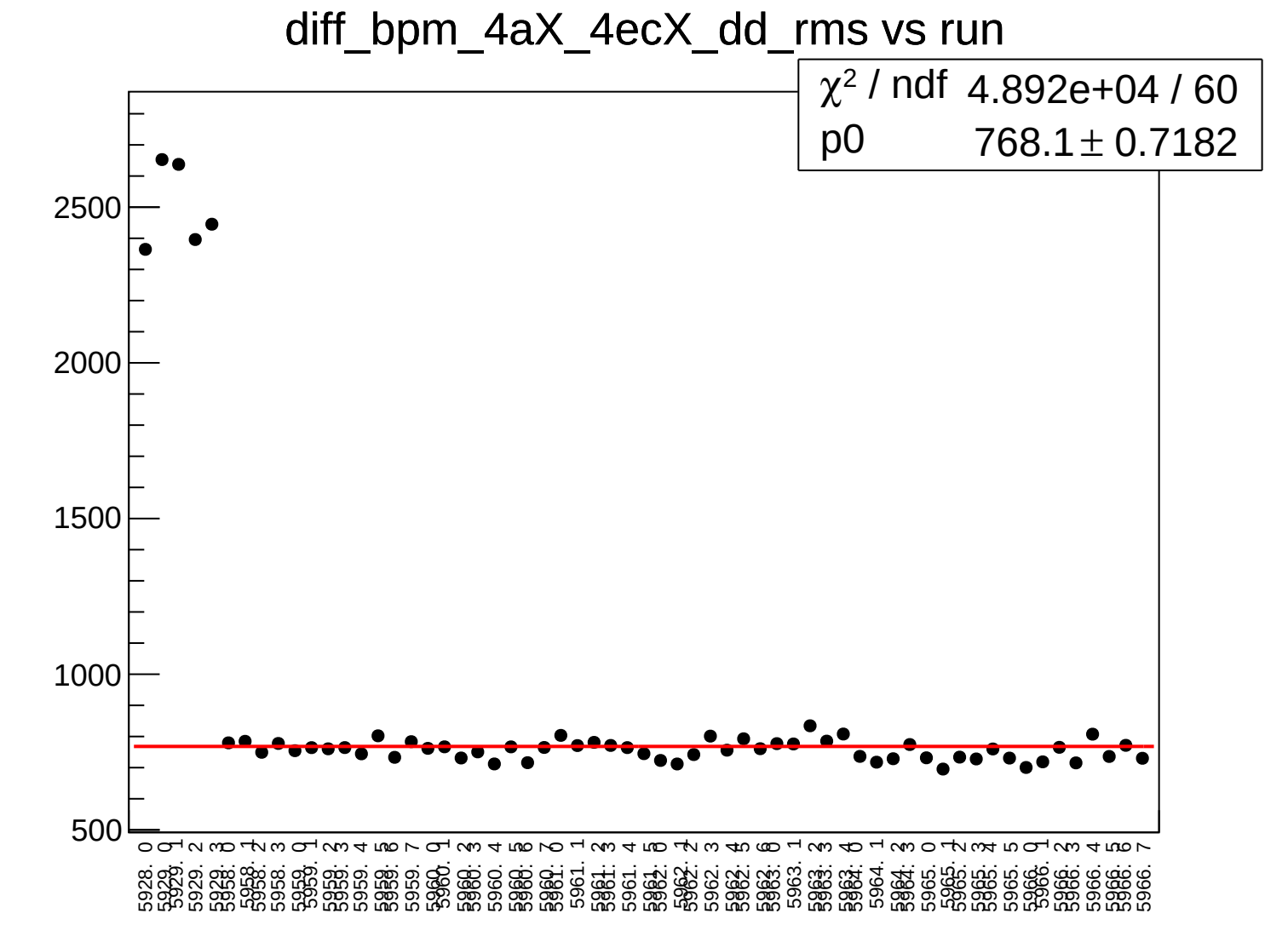

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 74.58 / 60
p0 −20.84 ± 22.61
pull
Entries 61
Mean 113.7
Std Dev 0

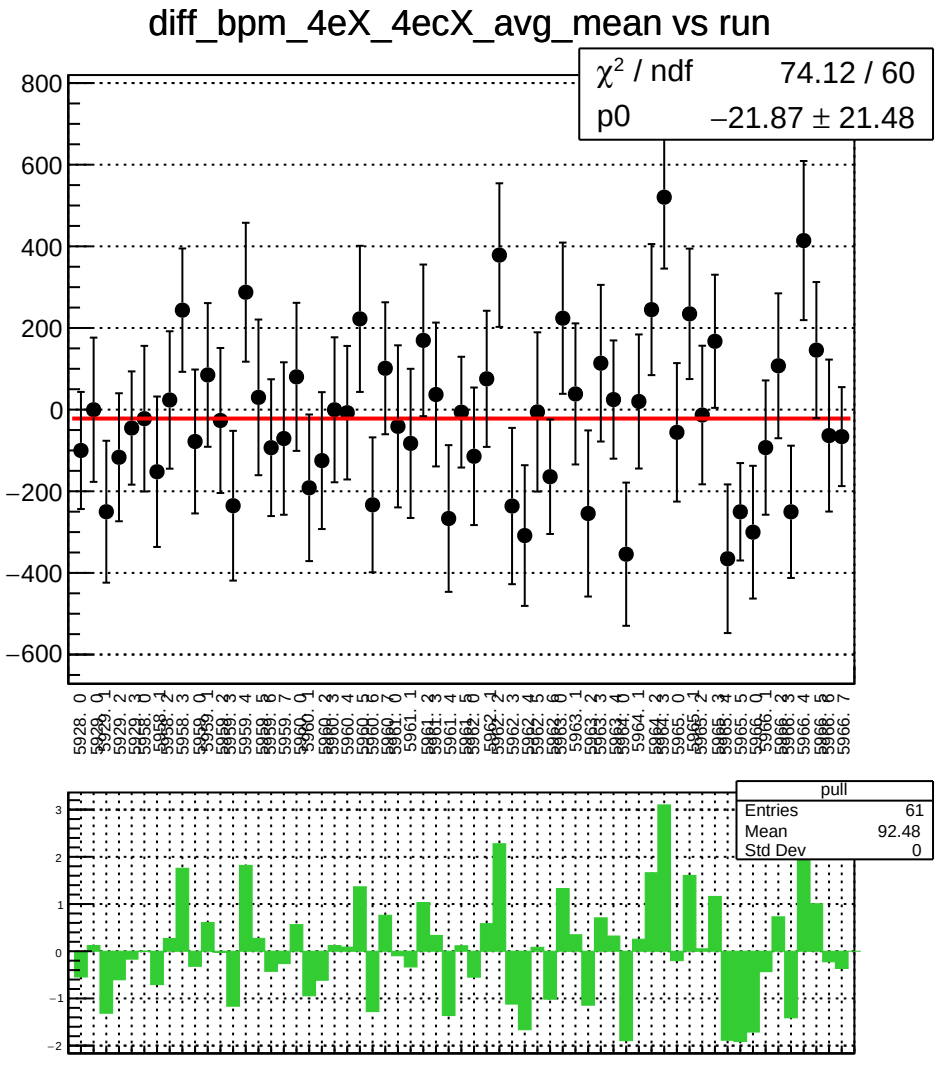

pull1D
Entries 61
Mean 0.0115
Std Dev 1.106

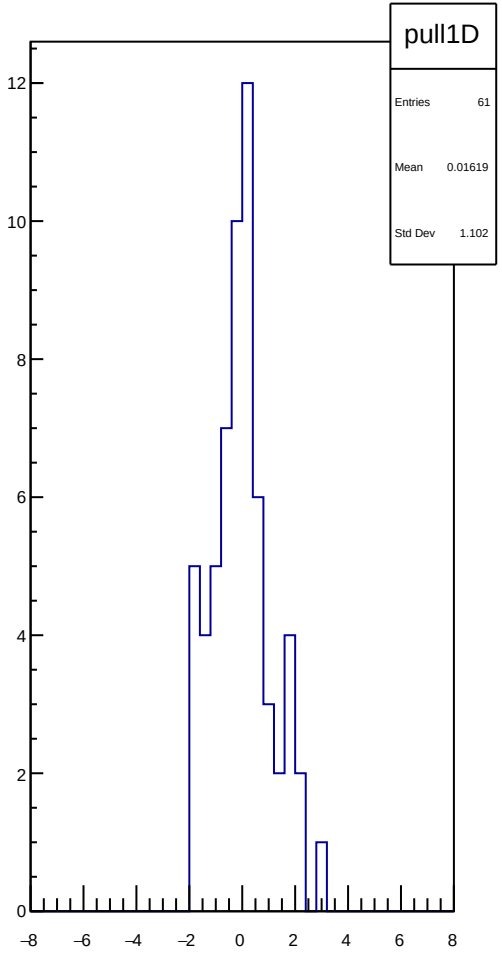

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 3872 / 60
p0 1.743e+04 ± 15.99
20000
19000
18000
17000
16000

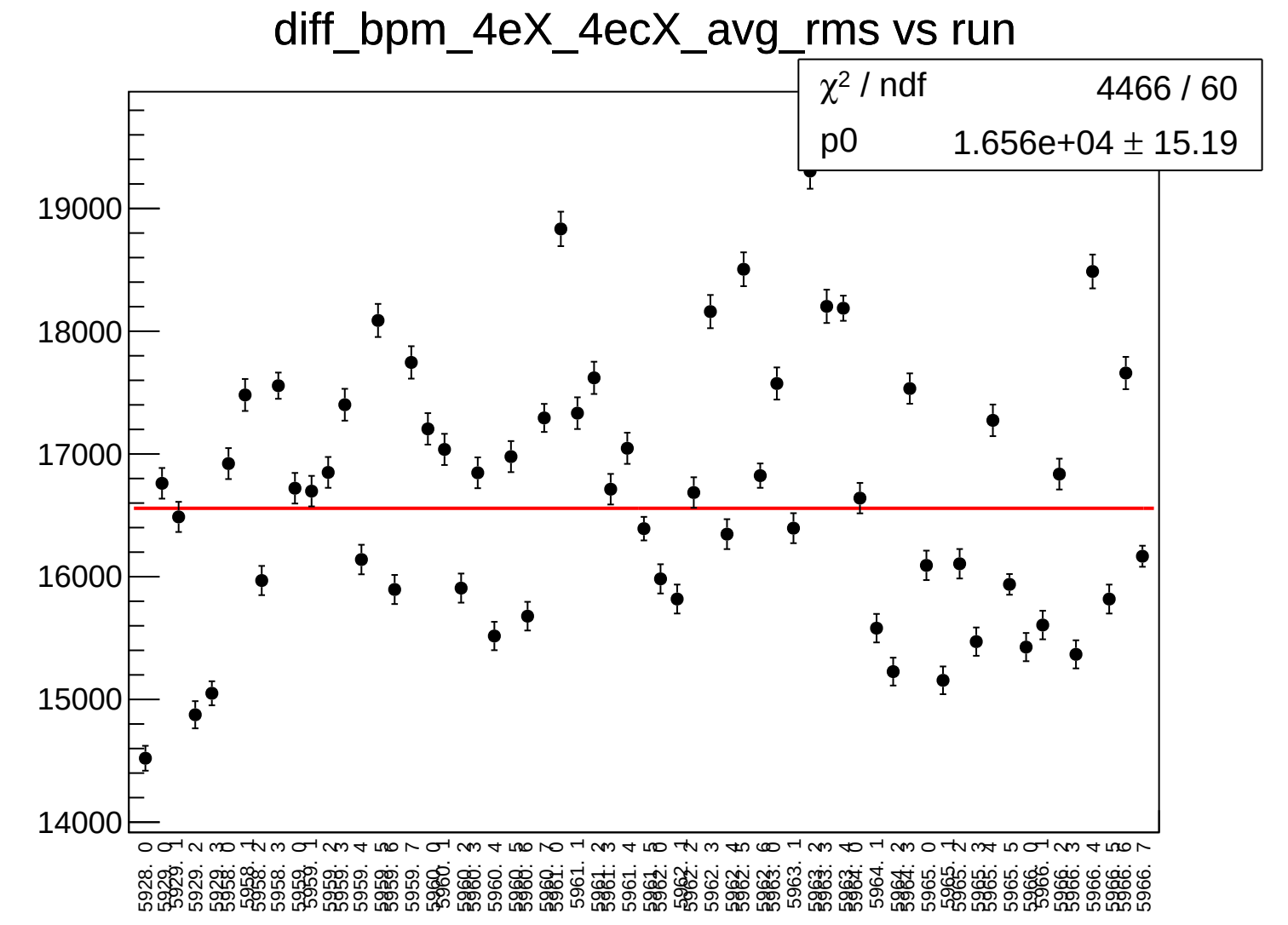

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 85.07 / 60
p0 0.3087 ± 1.016
pull
Entries 61
Mean −35.15
Std Dev 0

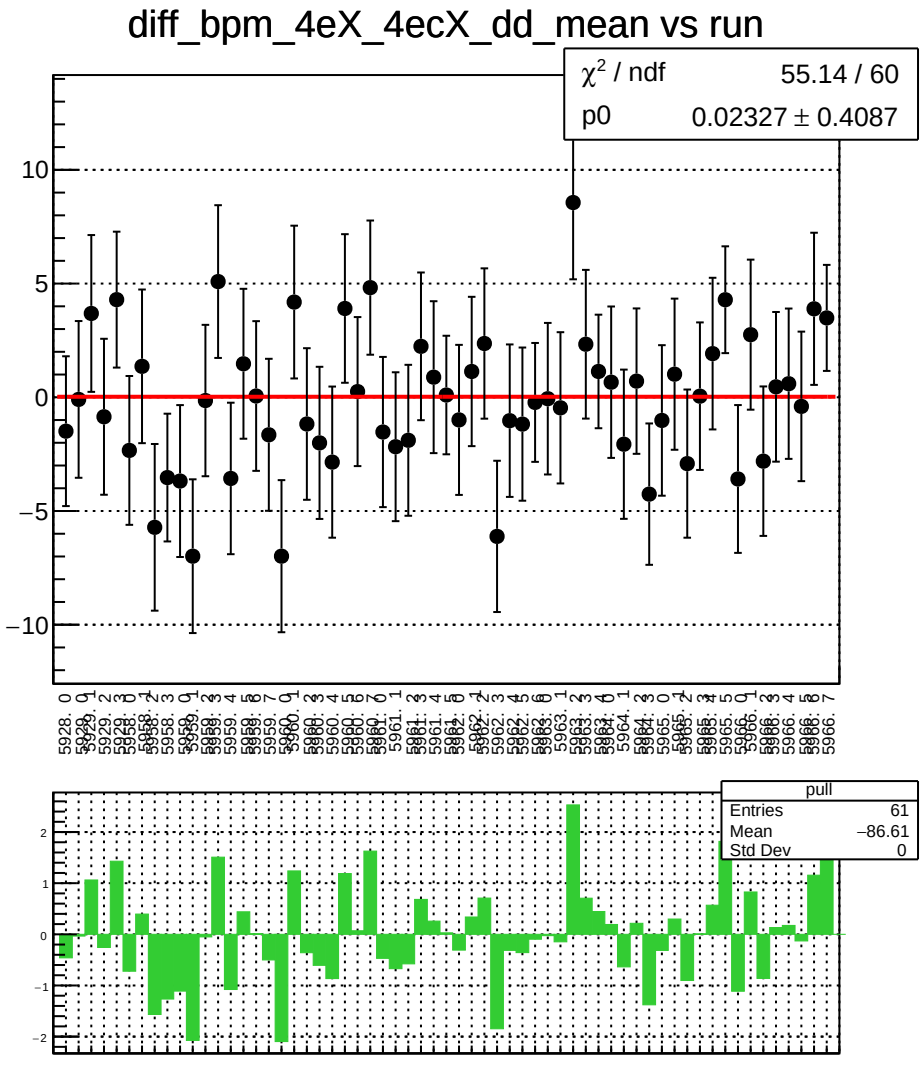

pull1D
Entries 61
Mean −0.02651
Std Dev 1.181

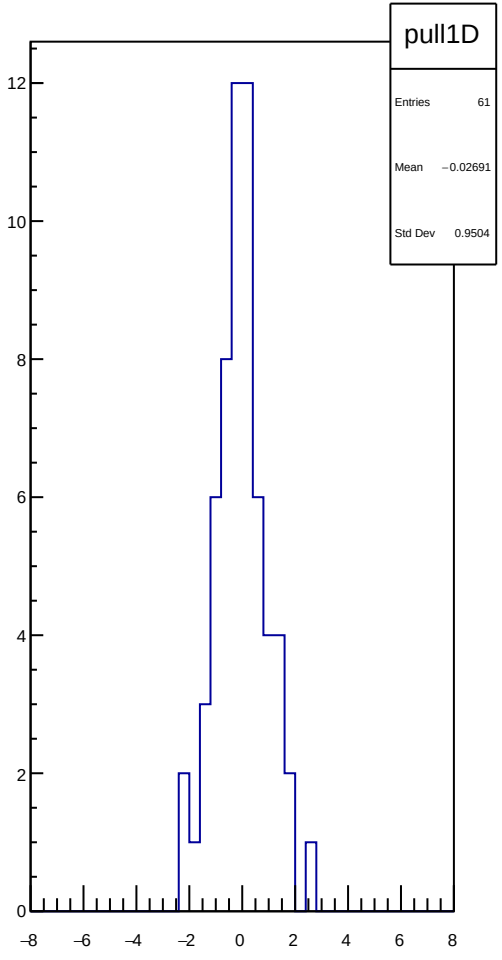

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 4.892e+04 / 60
p0 768.1 ± 0.7182
2500
2000
1500
1000
500

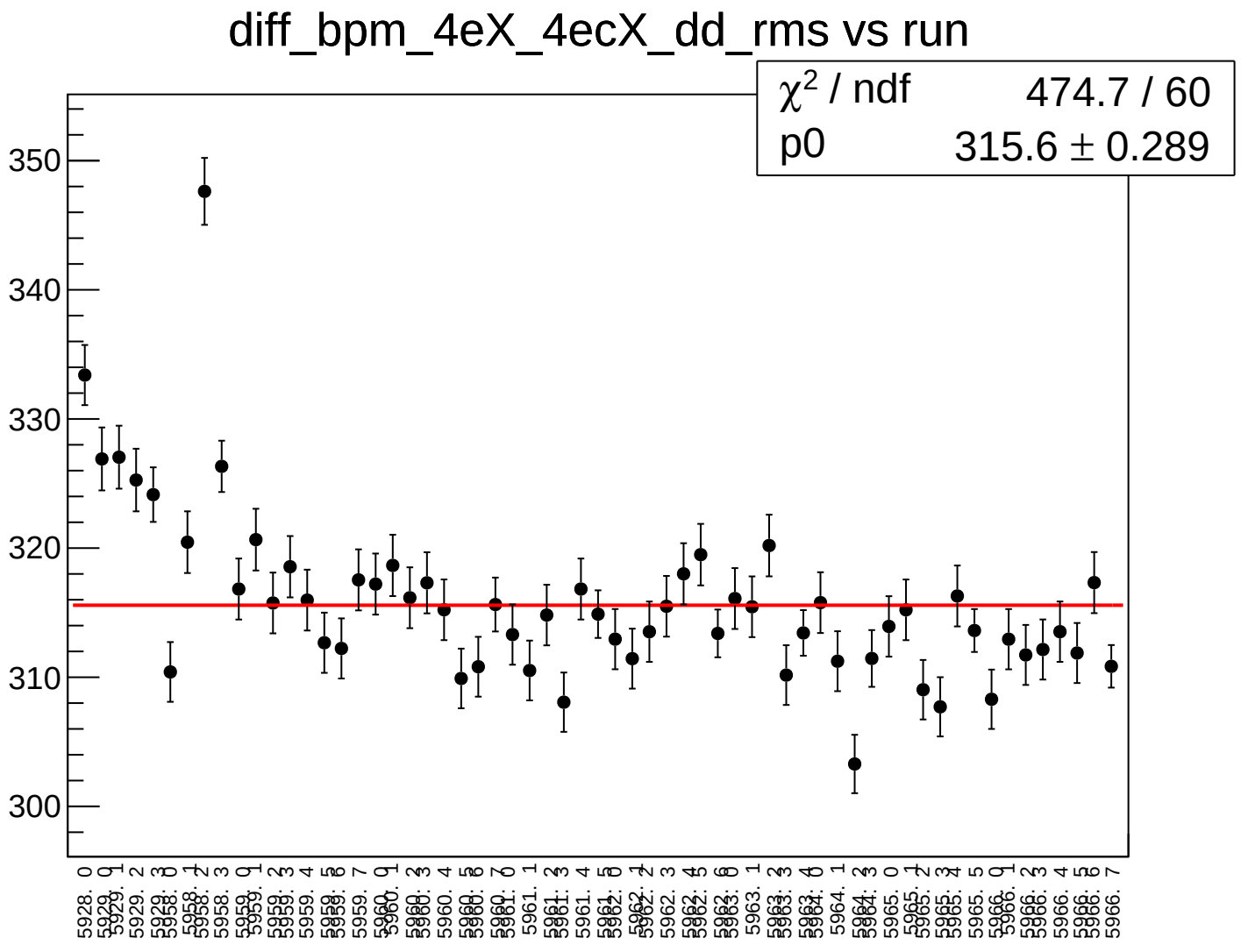

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 74.12 / 60
p0 −21.87 ± 21.48
pull
Entries 61
Mean 92.48
Std Dev 0

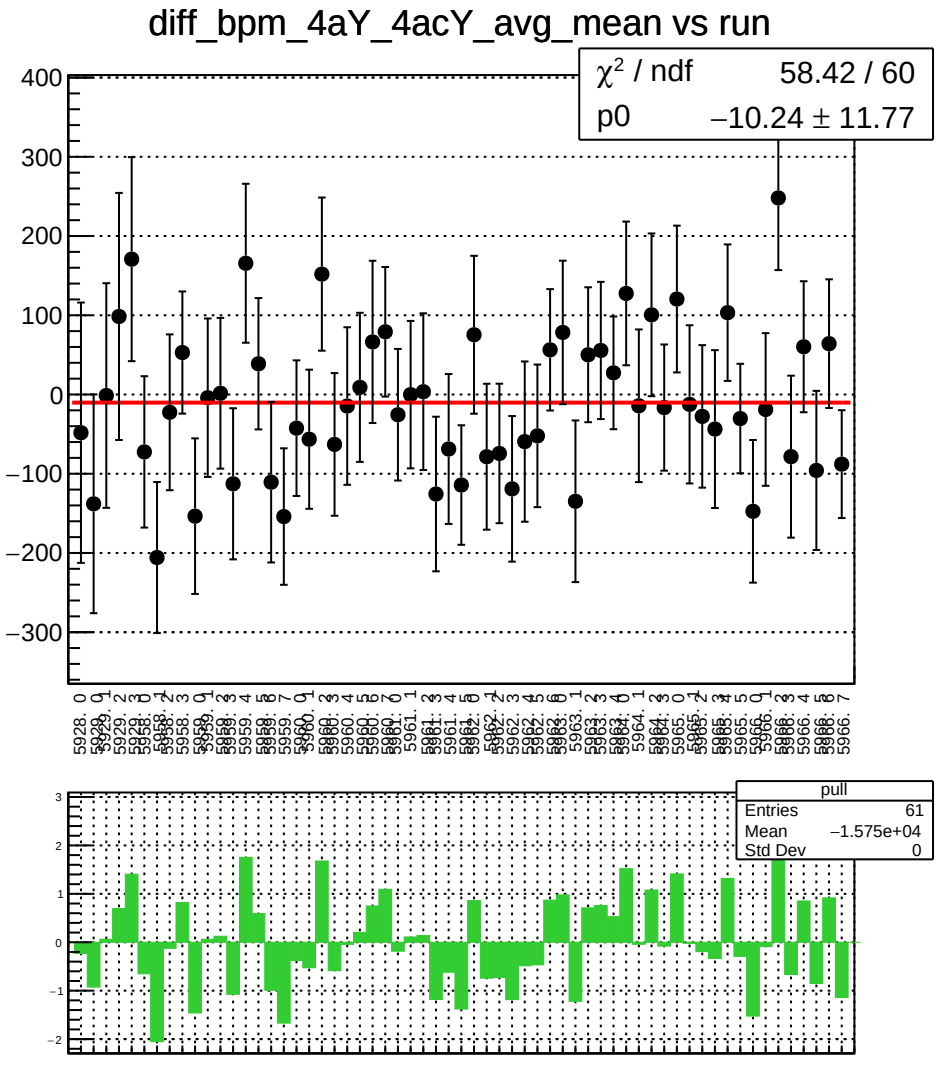

pull1D
Entries 61
Mean 0.01619
Std Dev 1.102

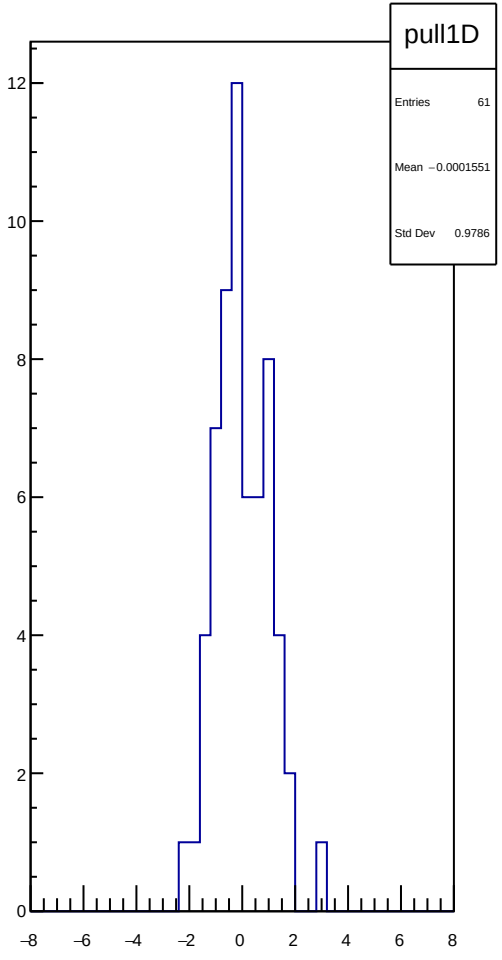

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4466 / 60
p0 1.656e+04 ± 15.19
19000
18000
17000
16000
15000
14000

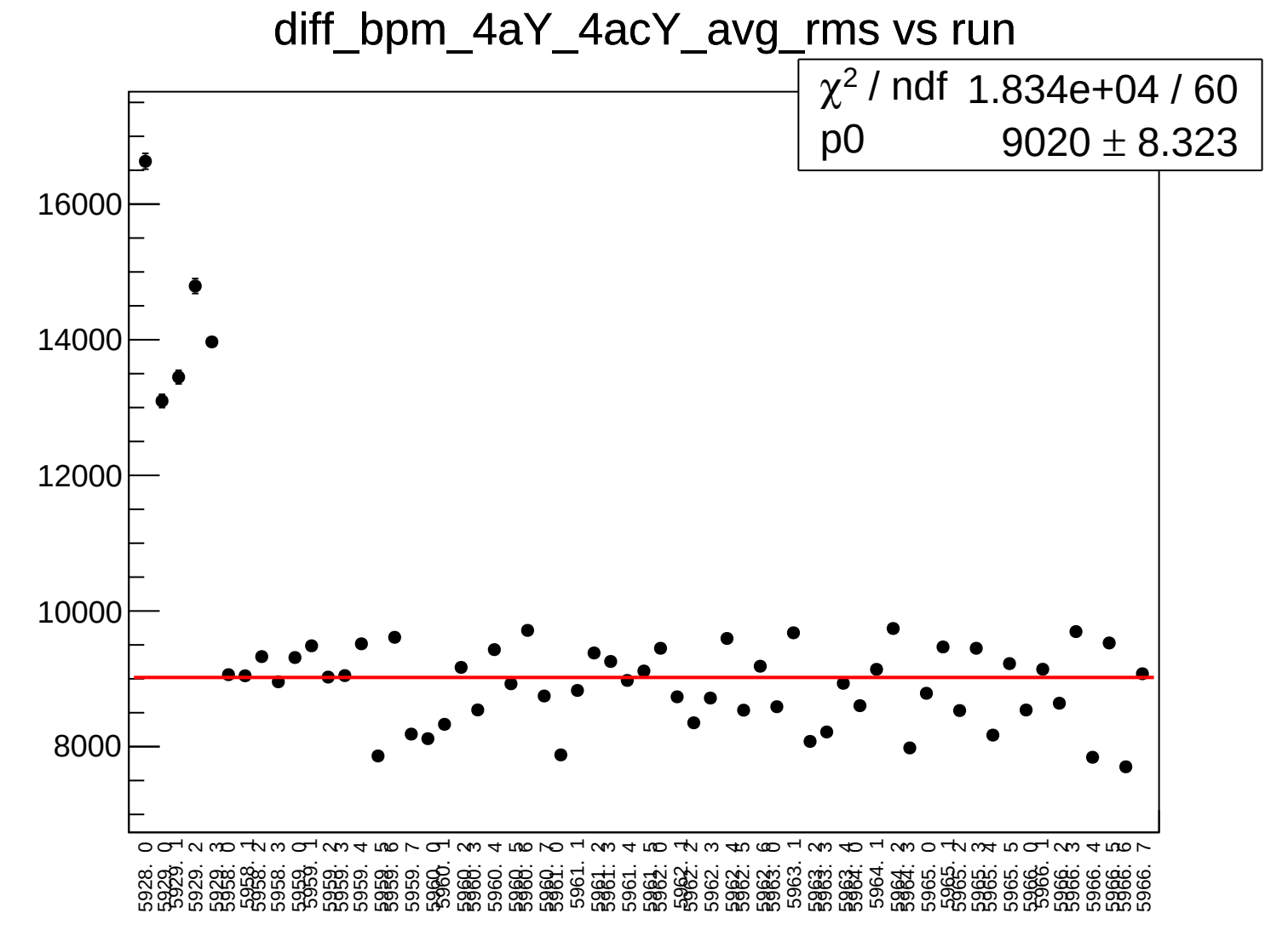

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 55.14 / 60
p0 0.02327 ± 0.4087
pull
Entries 61
Mean −86.61
Std Dev 0

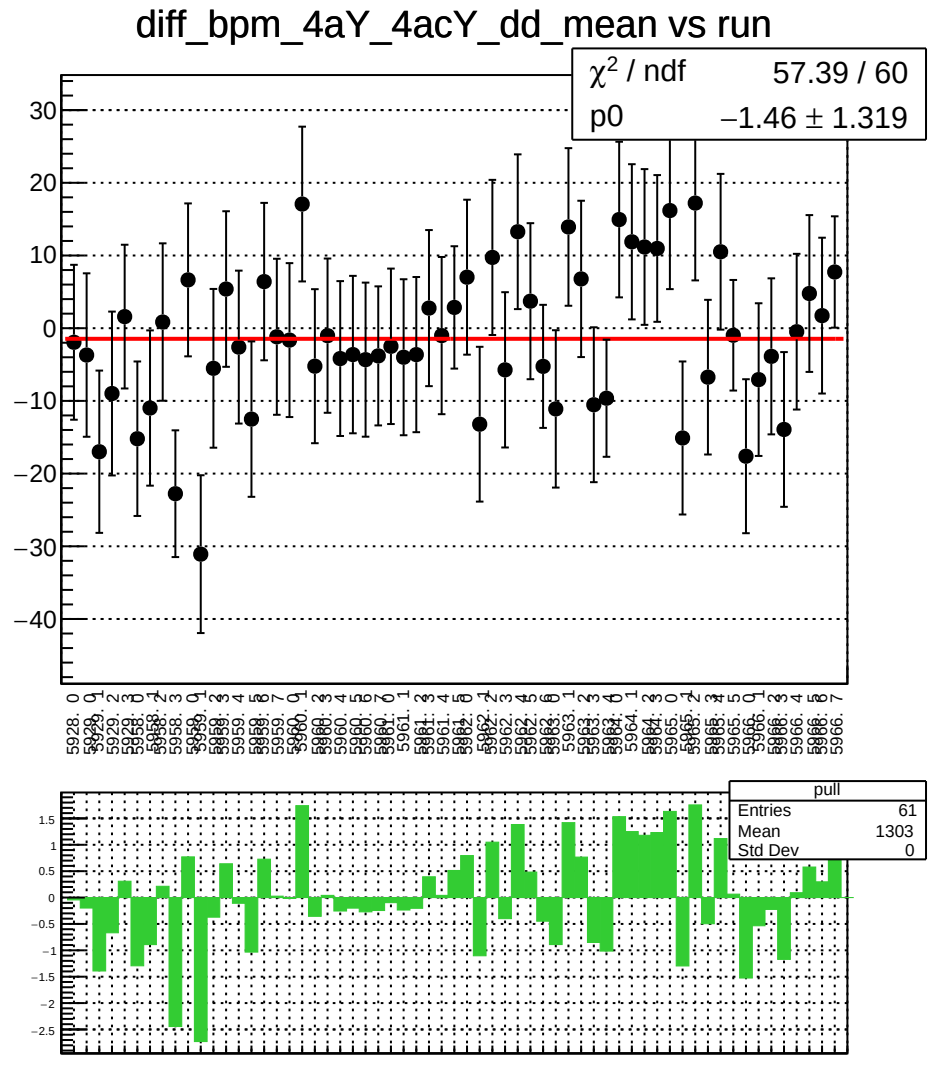

pull1D
Entries 61
Mean −0.02691
Std Dev 0.9504

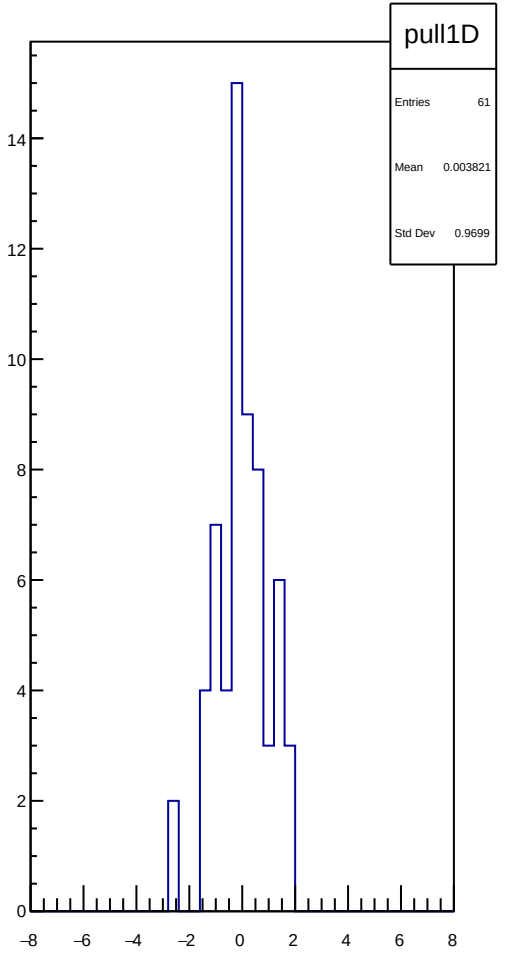

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 474.7 / 60
p0 315.6 ± 0.289
350
340
330
320
310
300

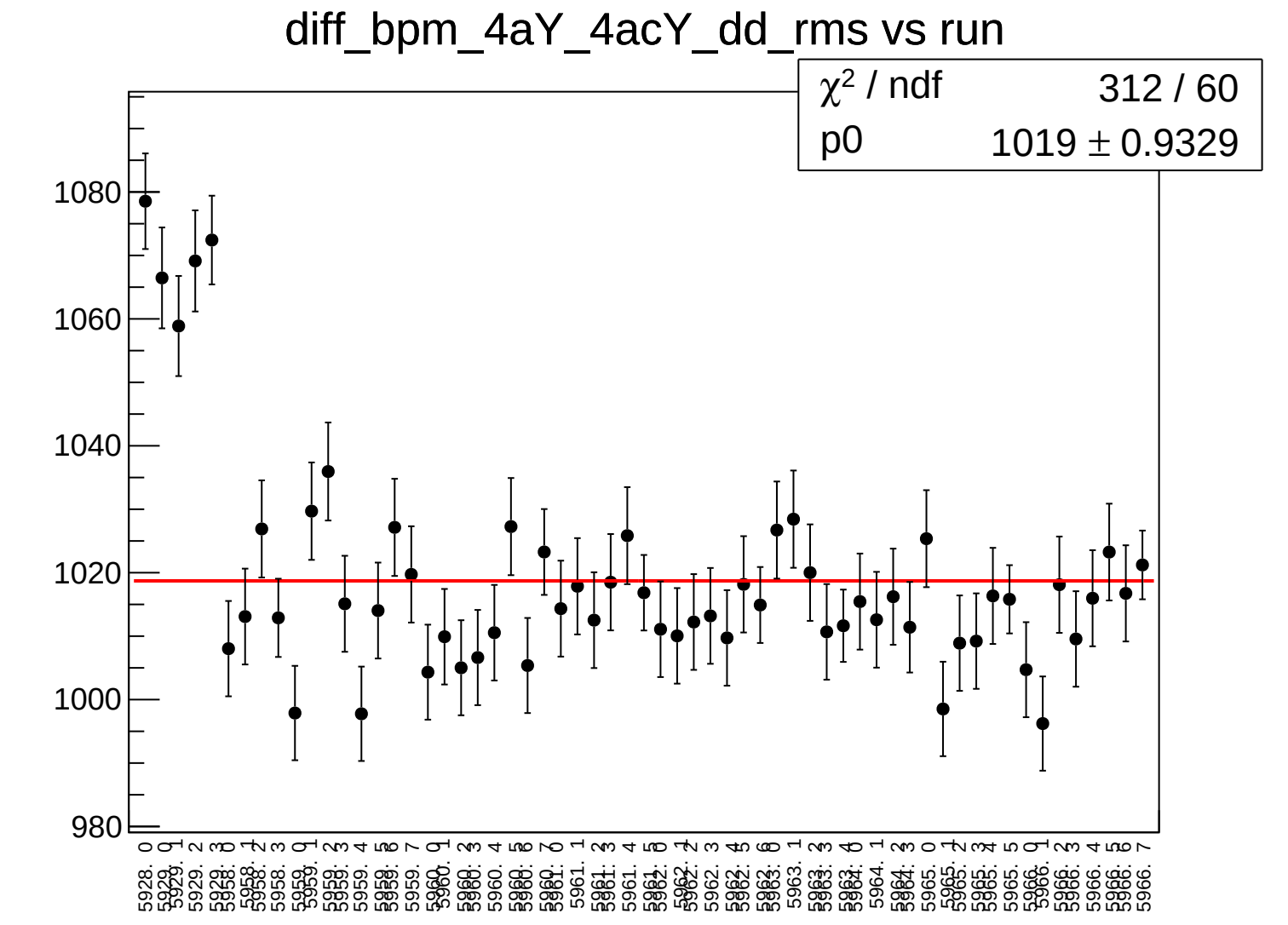

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 58.42 / 60
p0 −10.24 ± 11.77
pull
Entries 61
Mean −1.575e+04
Std Dev 0

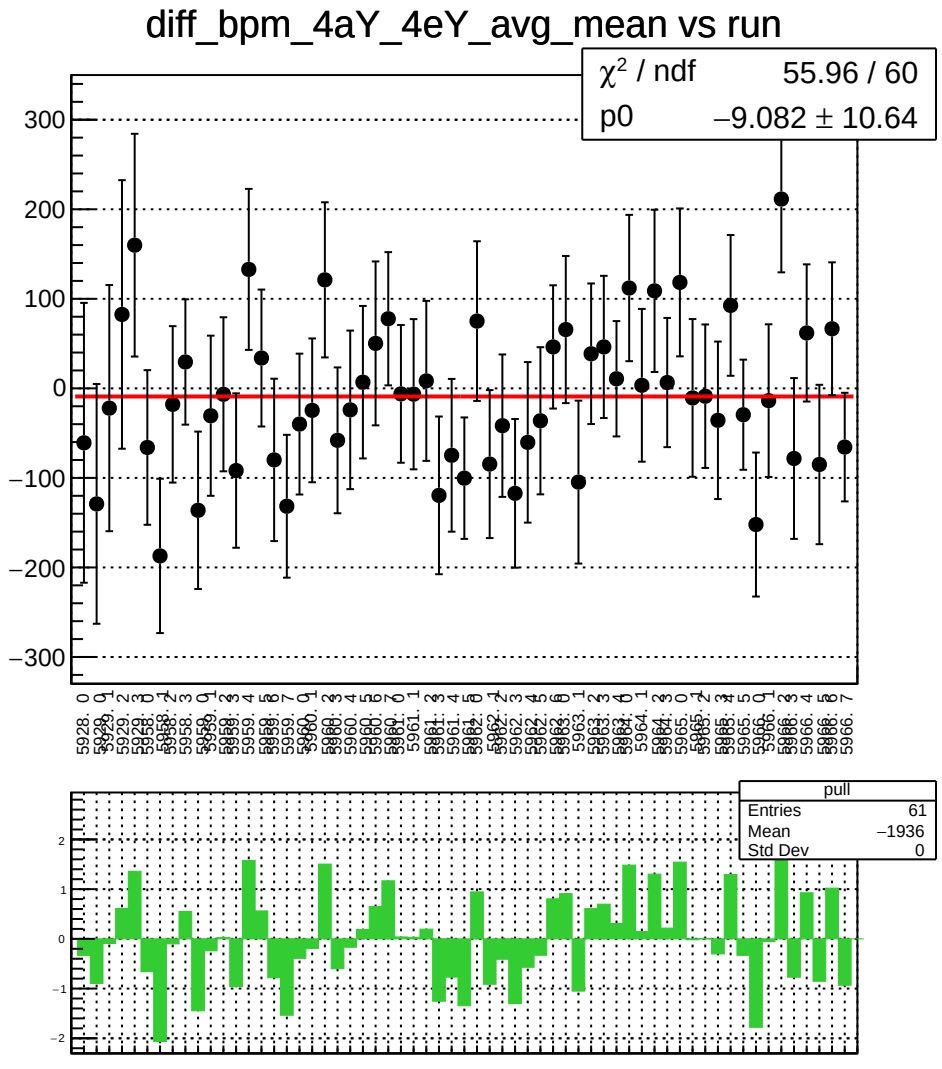

pull1D
Entries 61
Mean −0.0001551
Std Dev 0.9786

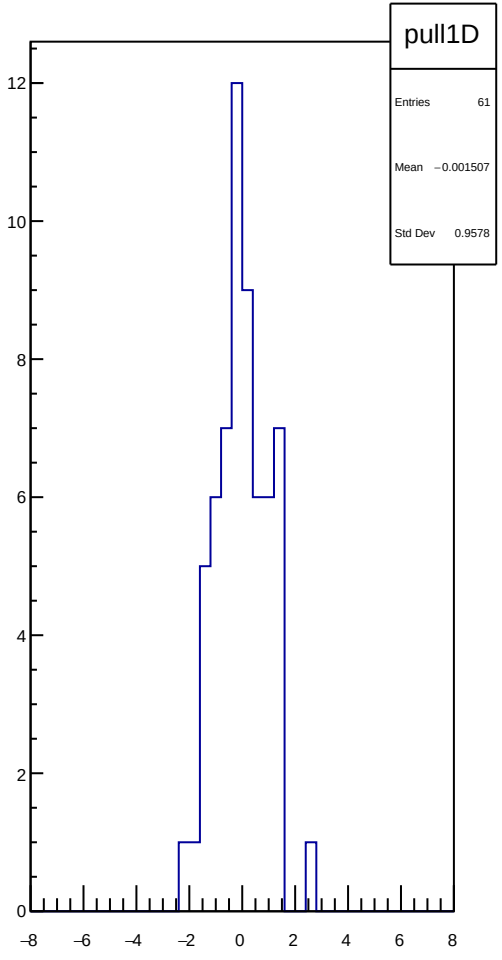

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 1.834e+04 / 60
p0 9020 ± 8.323
16000
14000
12000
10000
8000

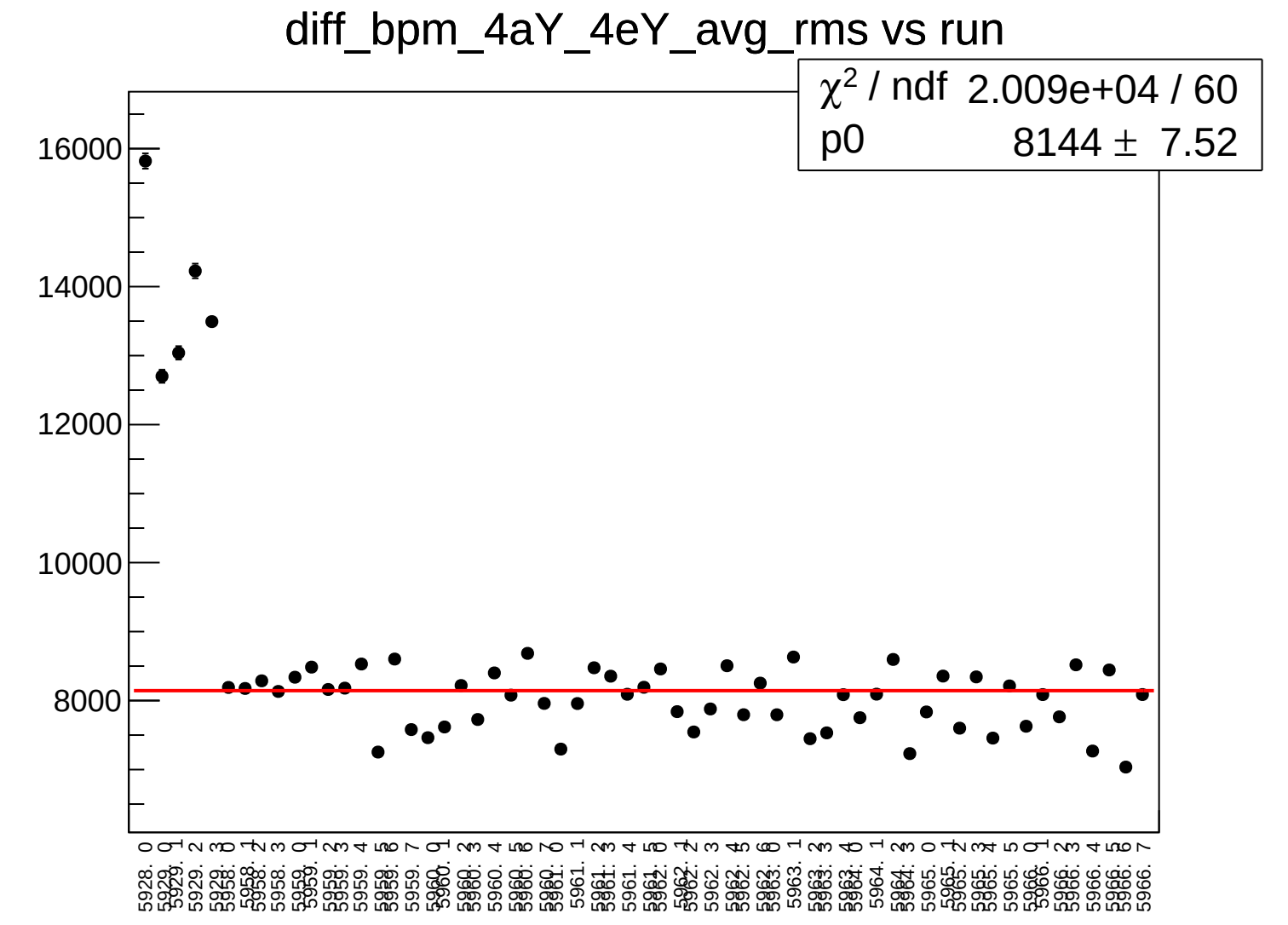

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 57.39 / 60
p0 −1.46 ± 1.319
pull
Entries 61
Mean 1303
Std Dev 0

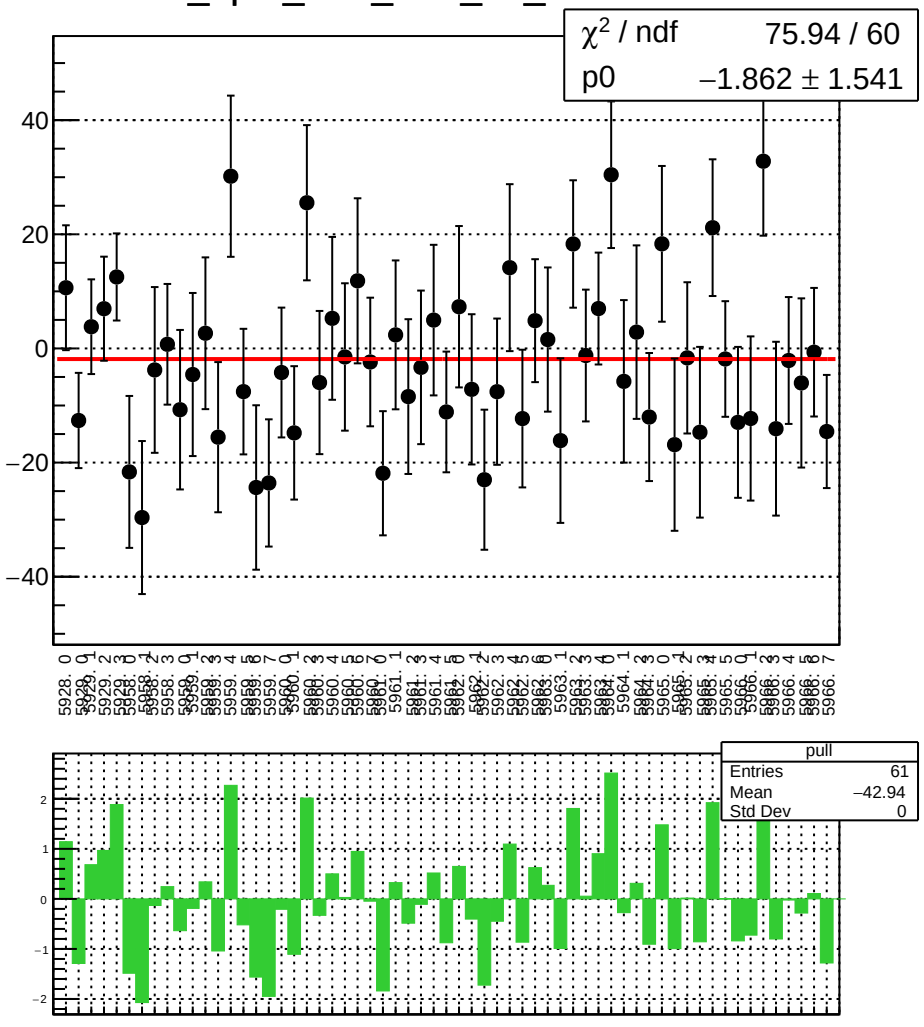

pull1D
Entries 61
Mean 0.003821
Std Dev 0.9699

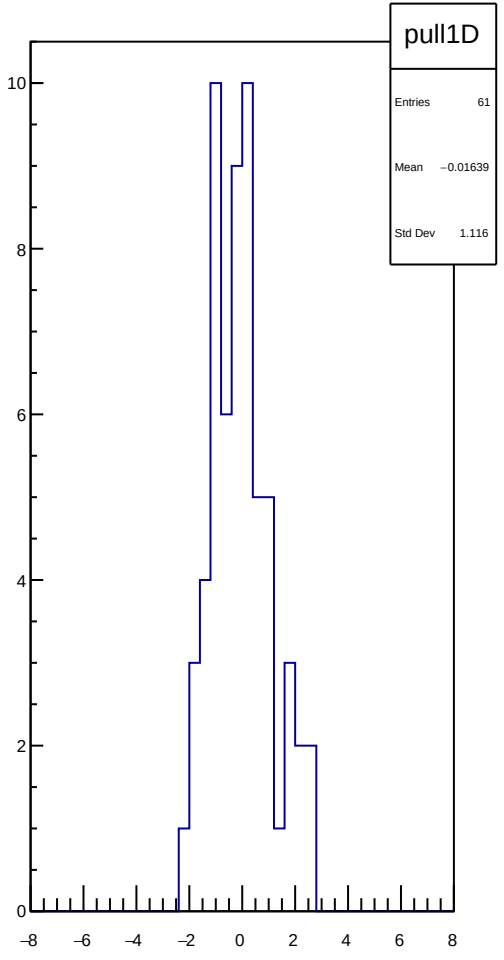

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 312 / 60
p0 1019 ± 0.9329
1080
1060
1040
1020
1000
980

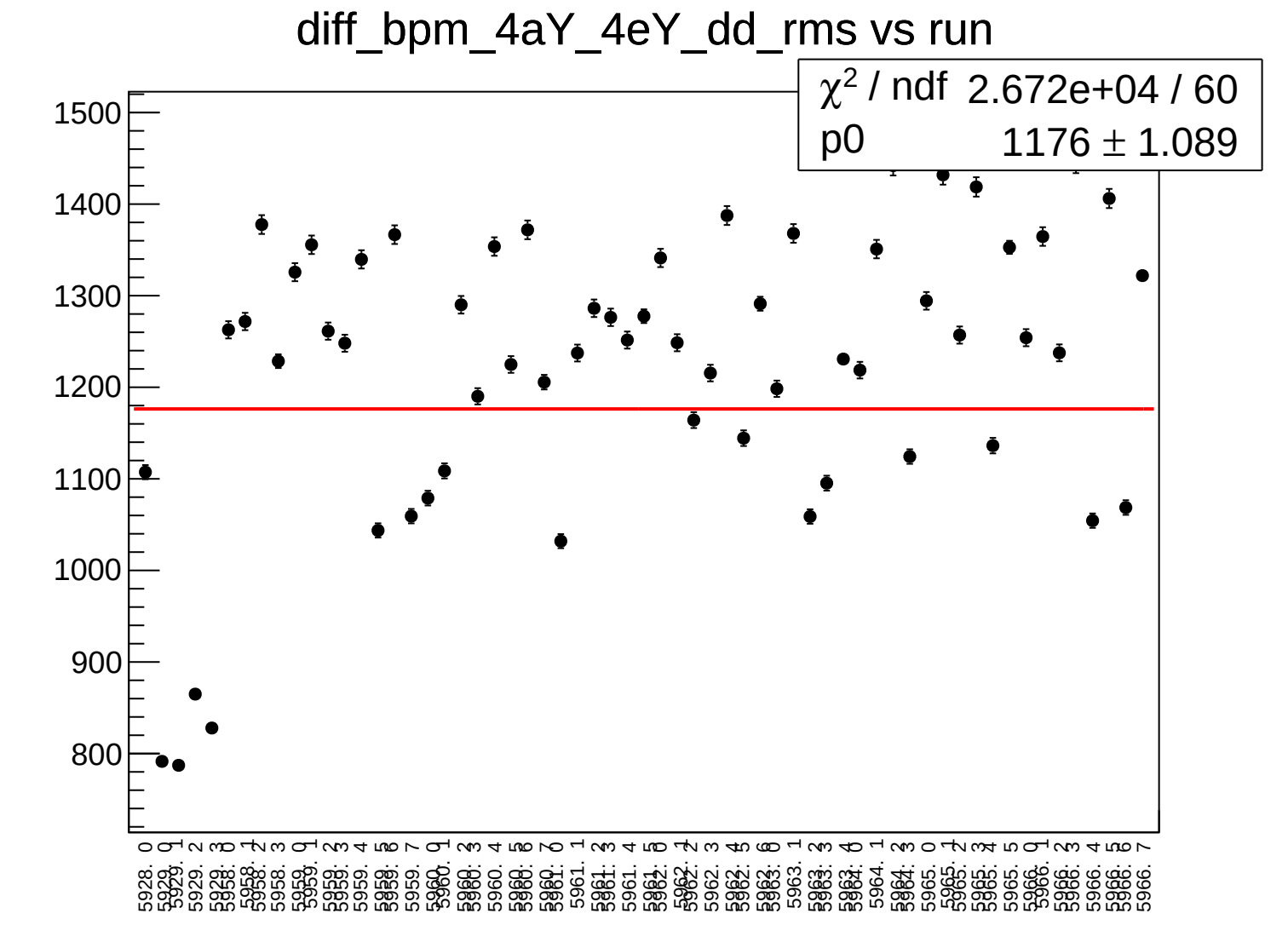

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 55.96 / 60
p0 −9.082 ± 10.64
pull
Entries 61
Mean −1936
Std Dev 0

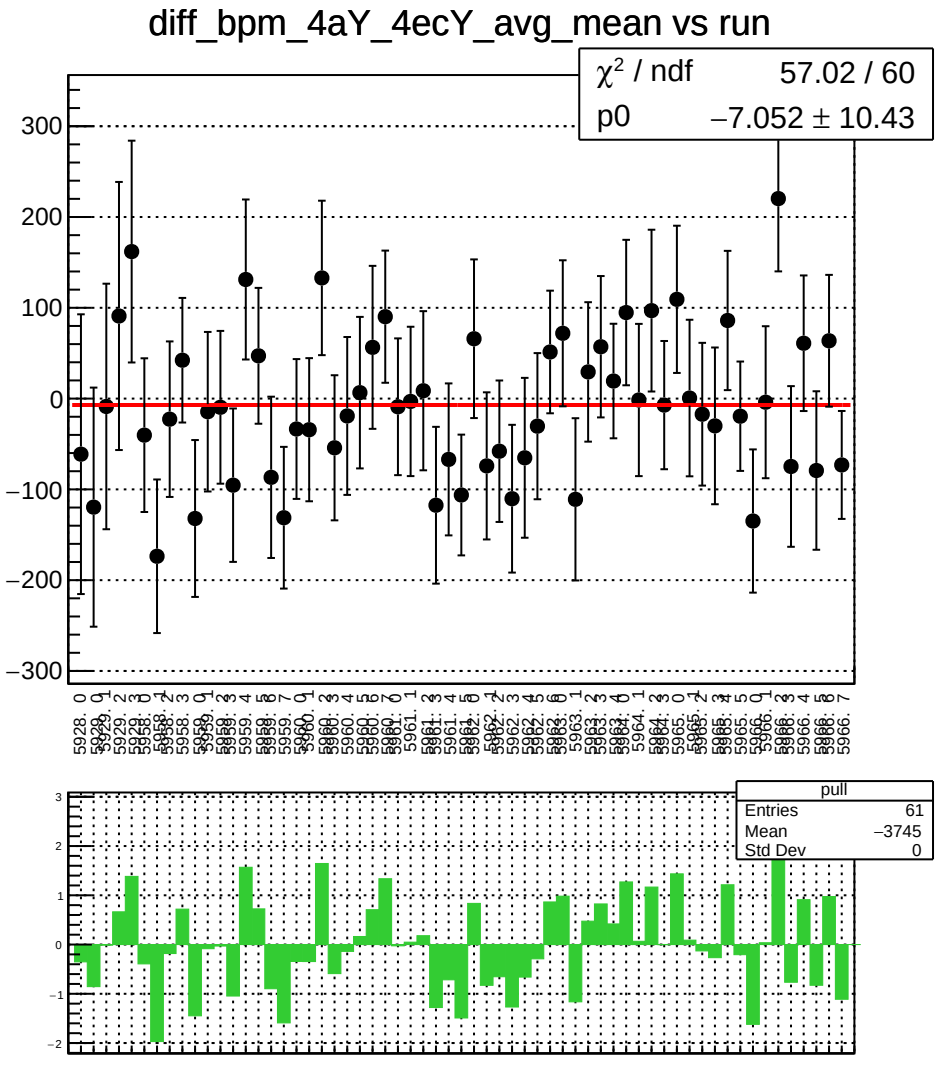

pull1D
Entries 61
Mean −0.001507
Std Dev 0.9578

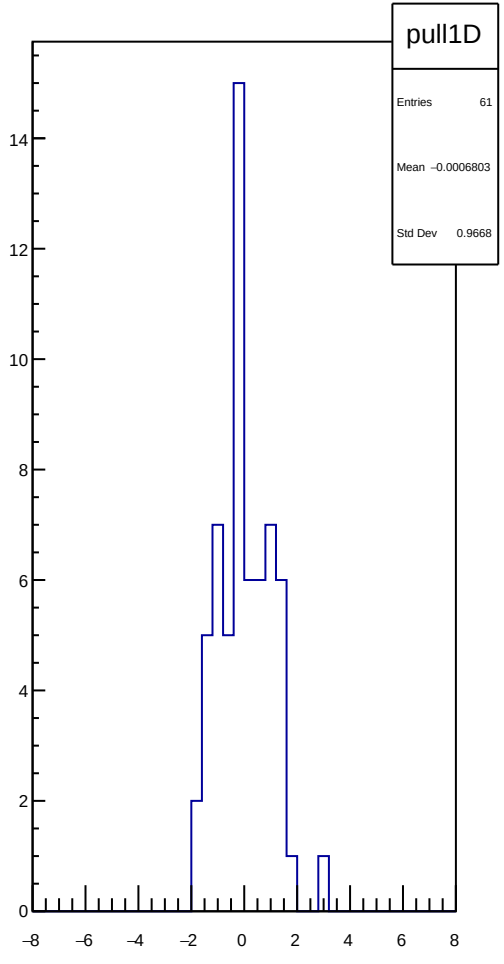

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2.009e+04 / 60
p0 8144 ± 7.52
16000
14000
12000
10000
8000

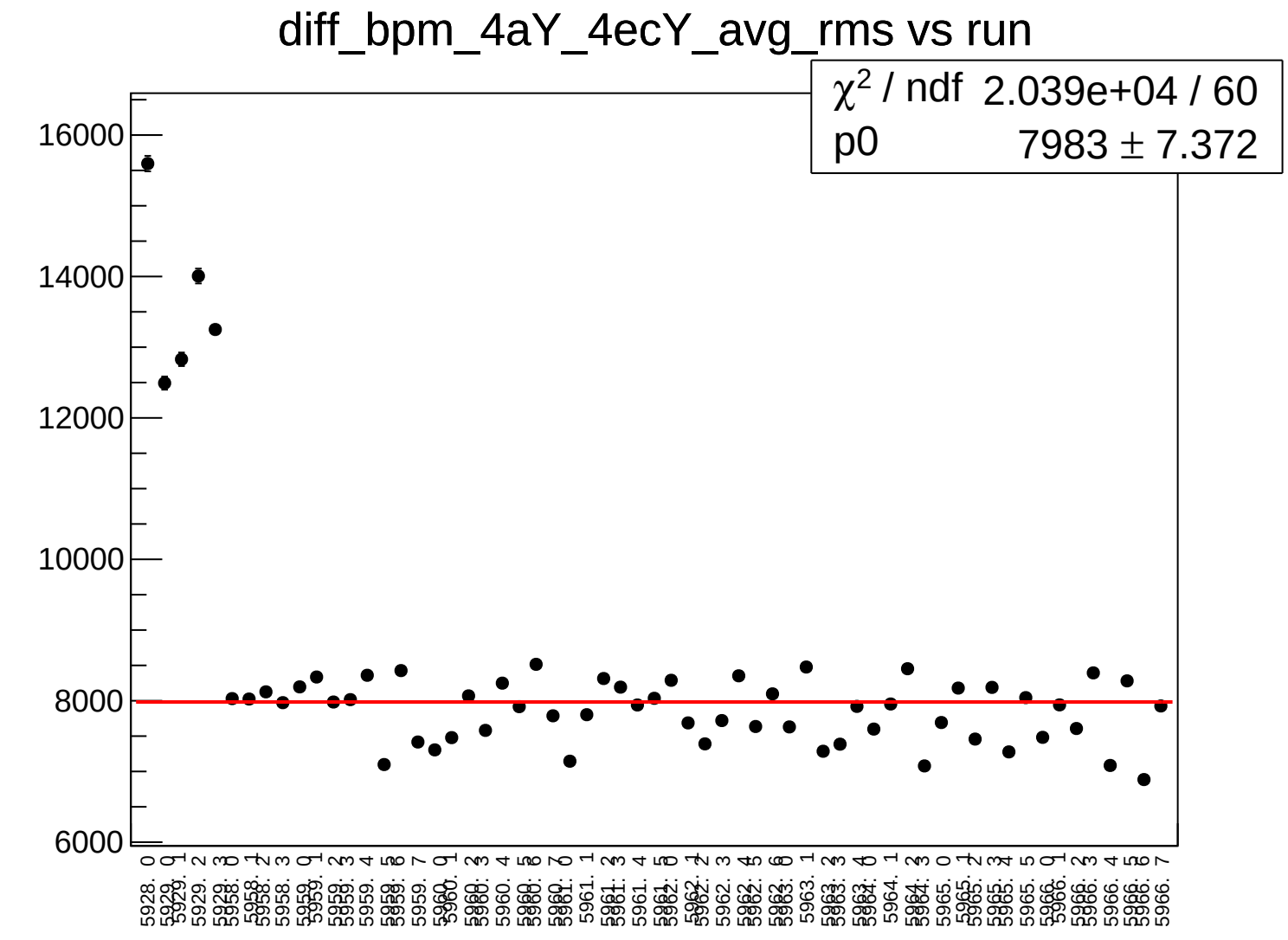

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 75.94 / 60
p0 −1.862 ± 1.541
pull
Entries 61
Mean −42.94
Std Dev 0

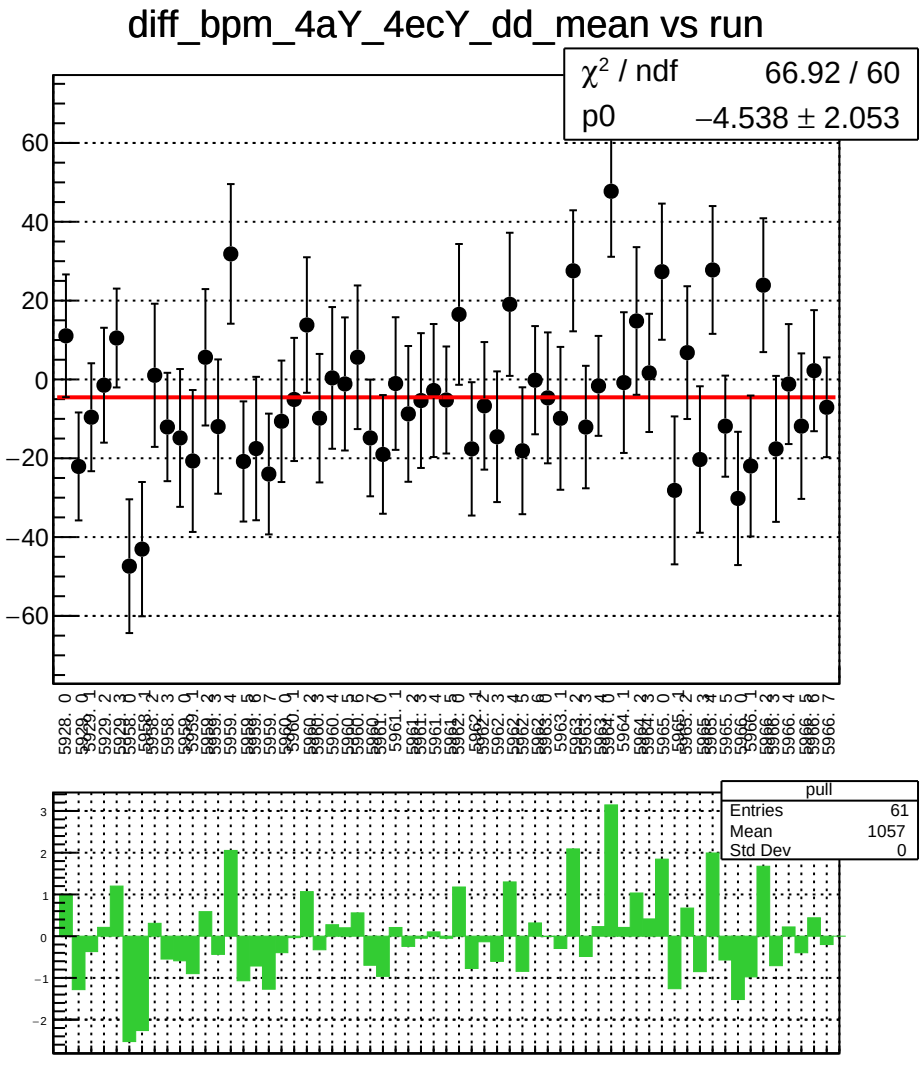

pull1D
Entries 61
Mean −0.01639
Std Dev 1.116

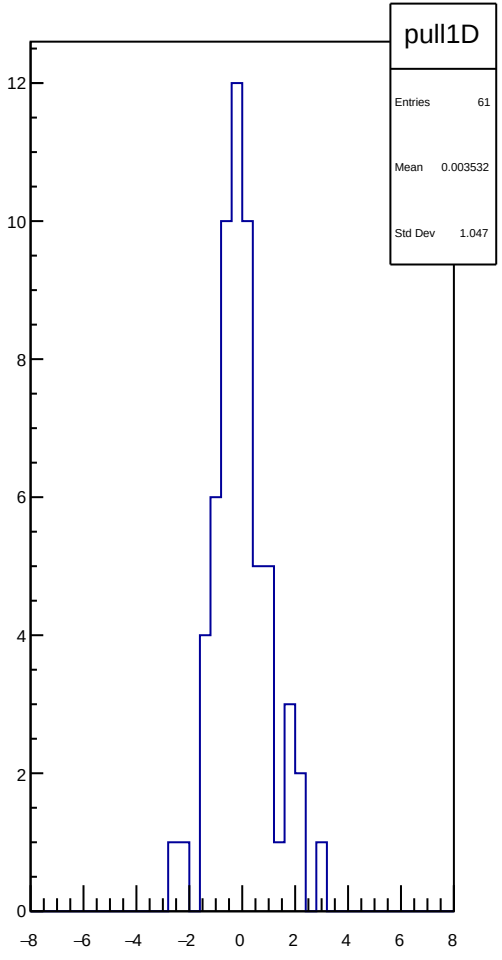

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 2.672e+04 / 60
p0 1176 ± 1.089
1500
1400
1300
1200
1100
1000
900
800

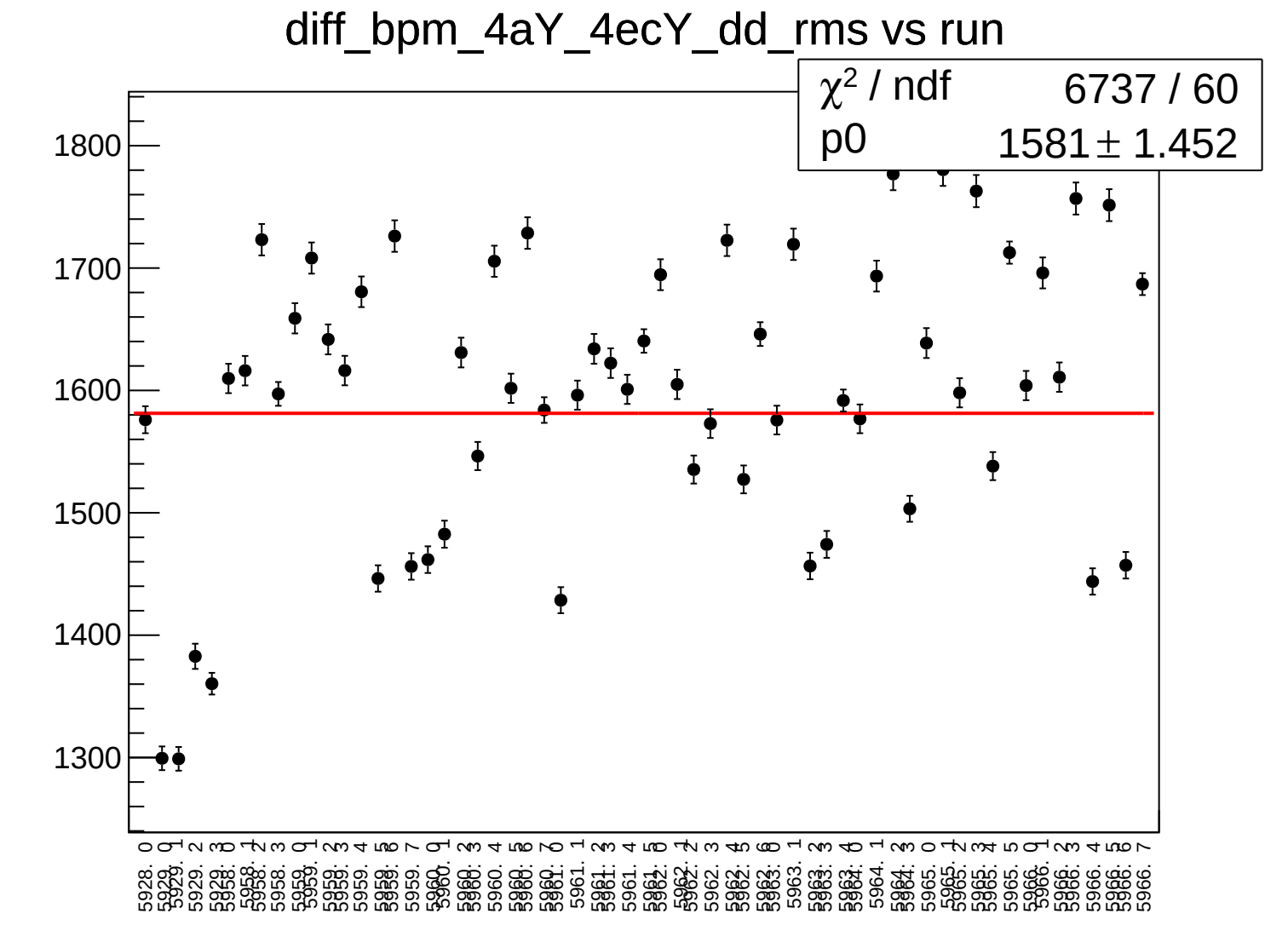

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 57.02 / 60
p0 −7.052 ± 10.43
pull
Entries 61
Mean −3745
Std Dev 0

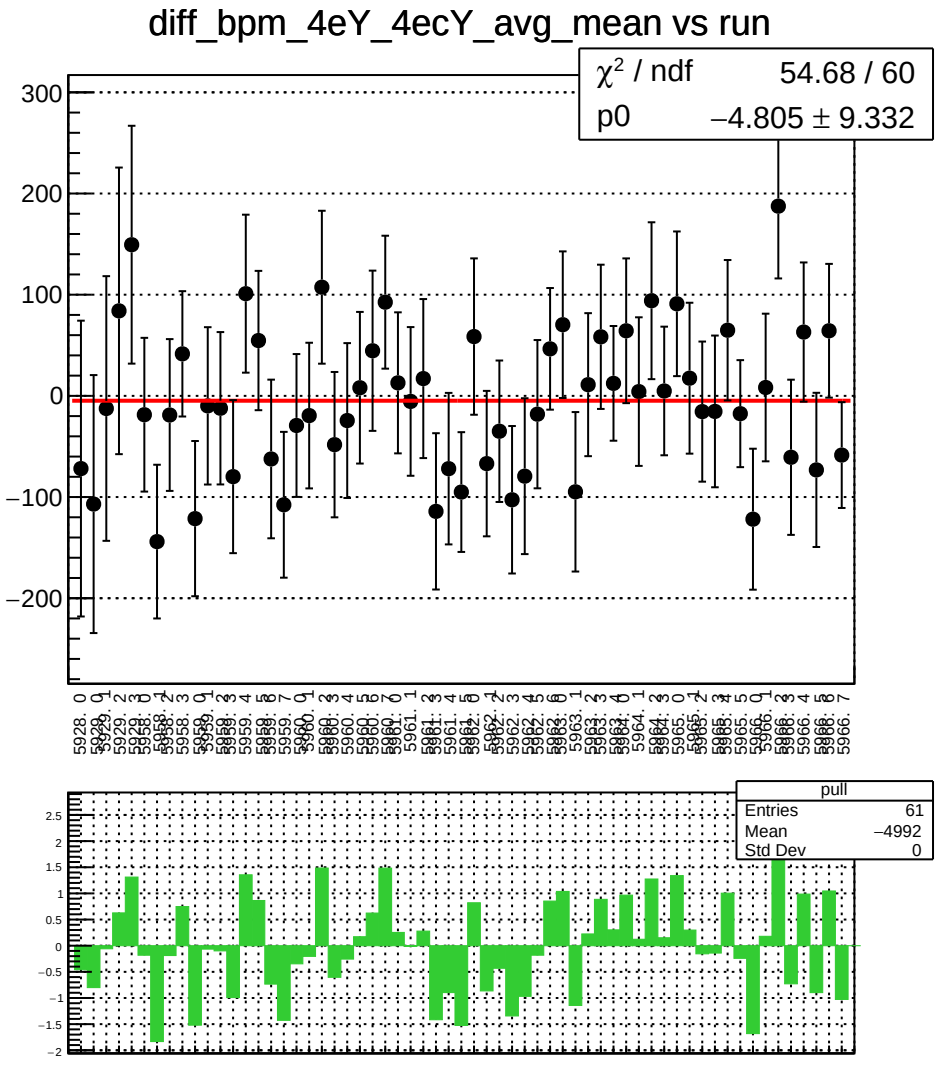

pull1D
Entries 61
Mean −0.0006803
Std Dev 0.9668

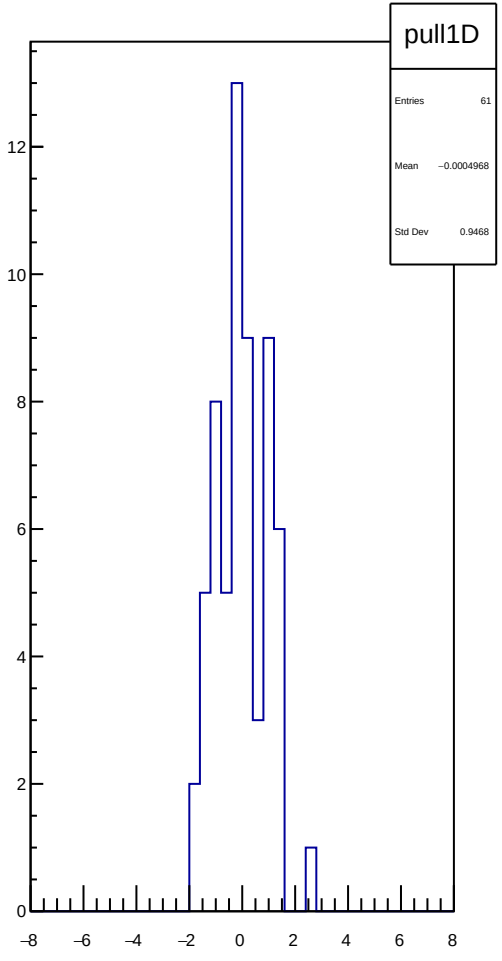

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2.039e+04 / 60
p0 7983 ± 7.372
16000
14000
12000
10000
8000
6000

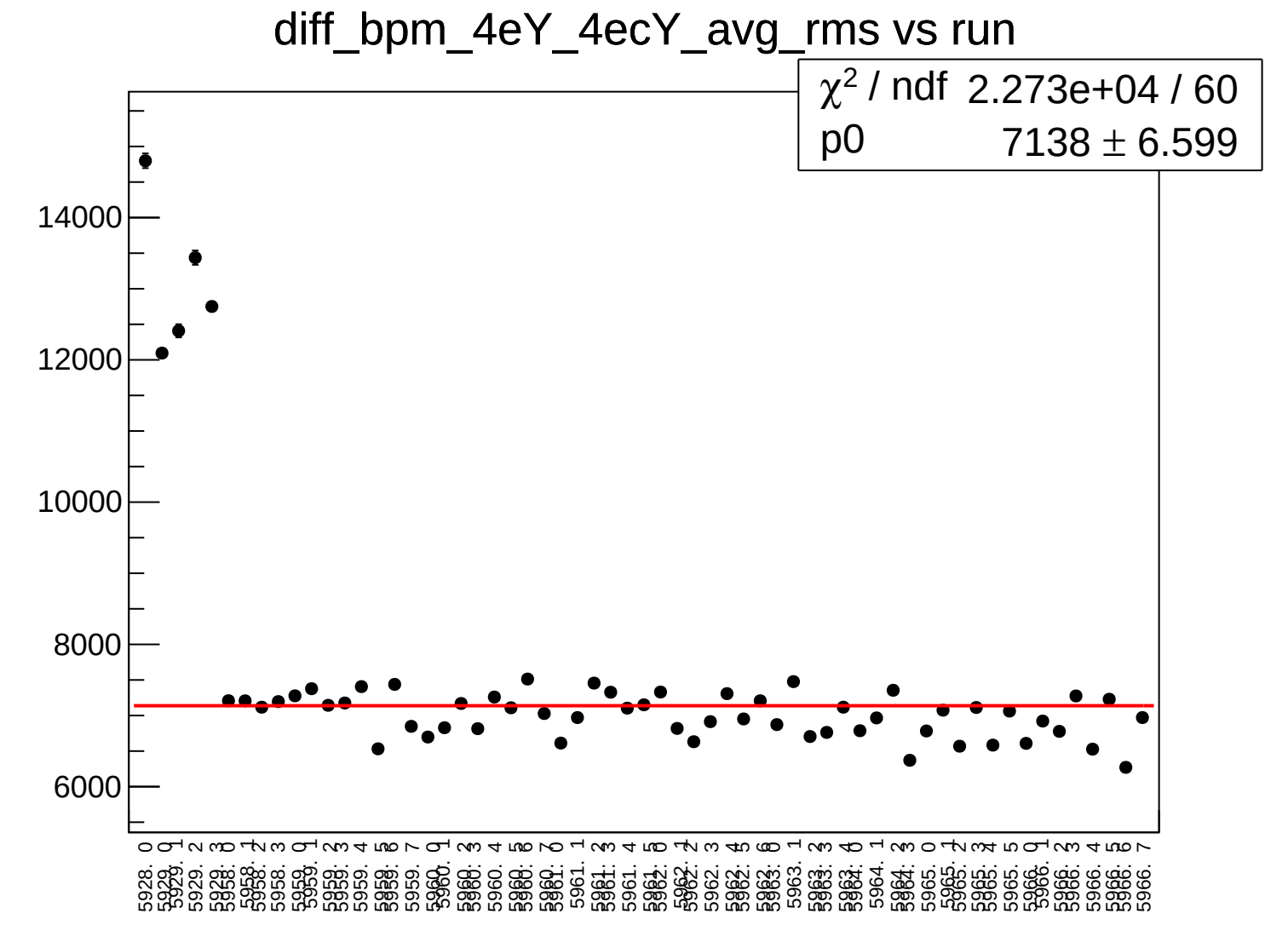

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 66.92 / 60
p0 −4.538 ± 2.053
pull
Entries 61
Mean 1057
Std Dev 0

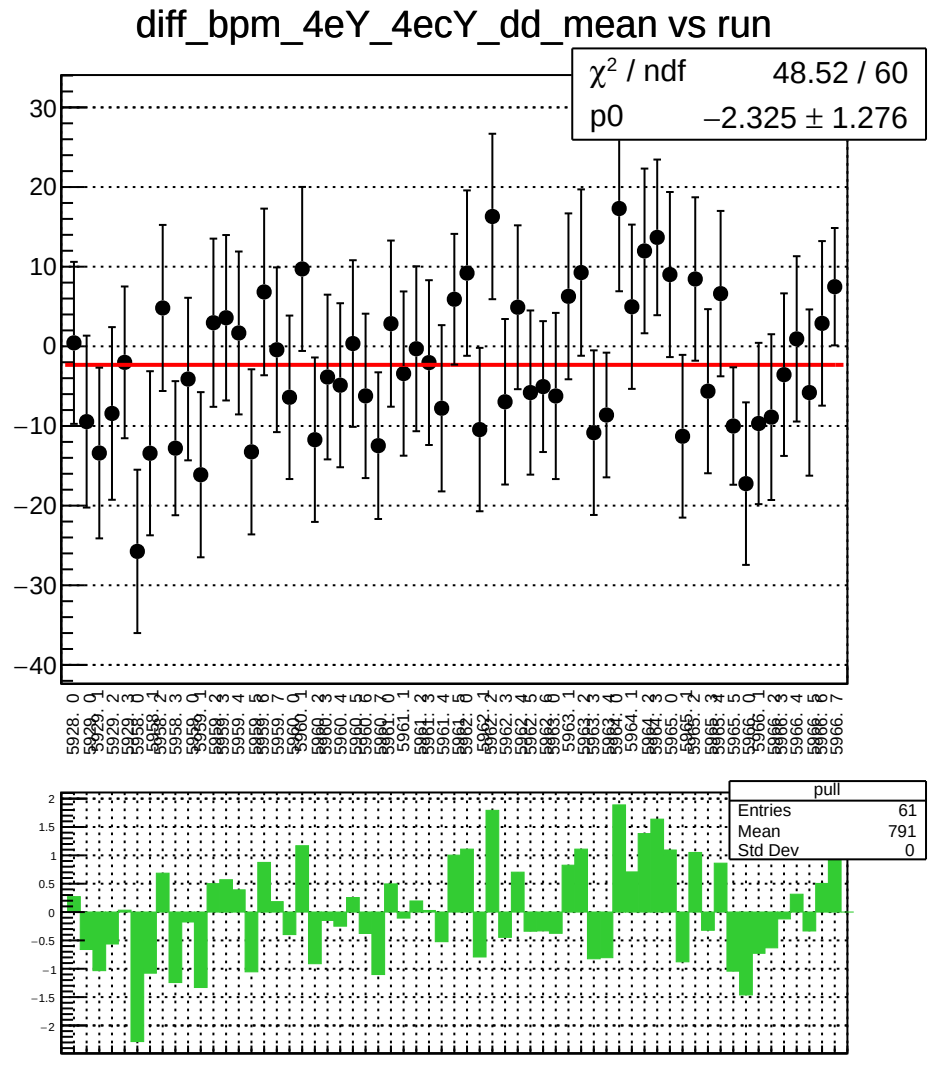

pull1D
Entries 61
Mean 0.003532
Std Dev 1.047

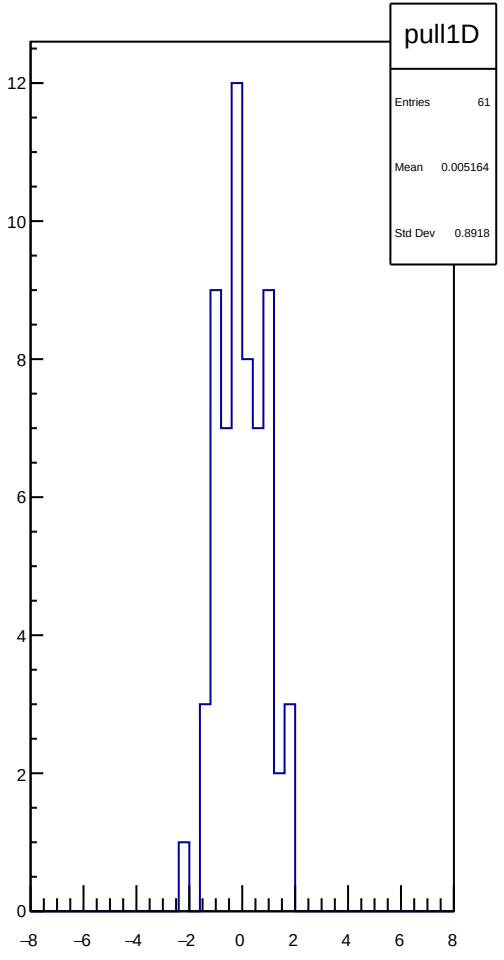

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 6737 / 60
p0 1581 ± 1.452
1800
1700
1600
1500
1400
1300

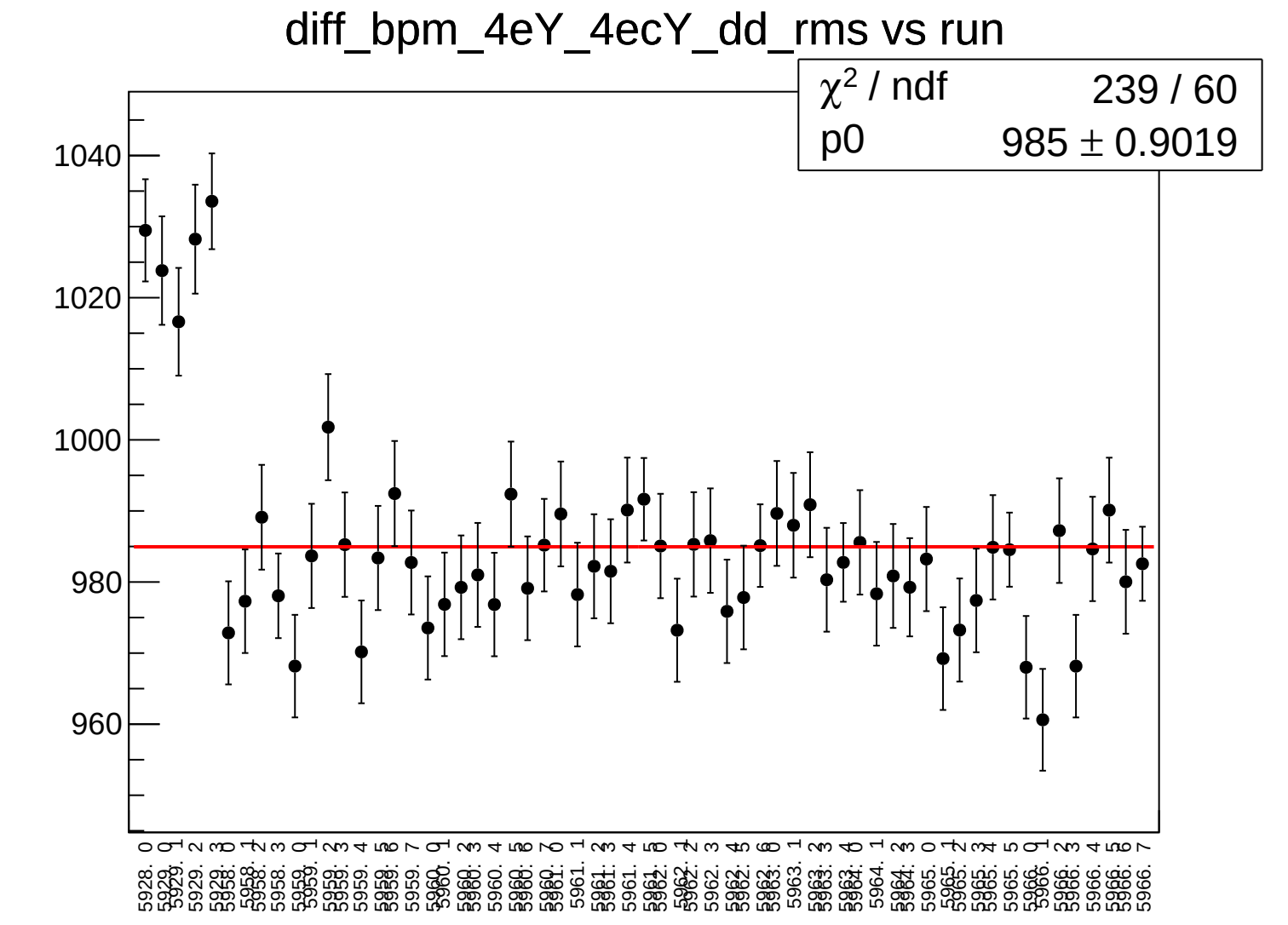

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 54.68 / 60
p0 −4.805 ± 9.332
pull
Entries 61
Mean −4992
Std Dev 0

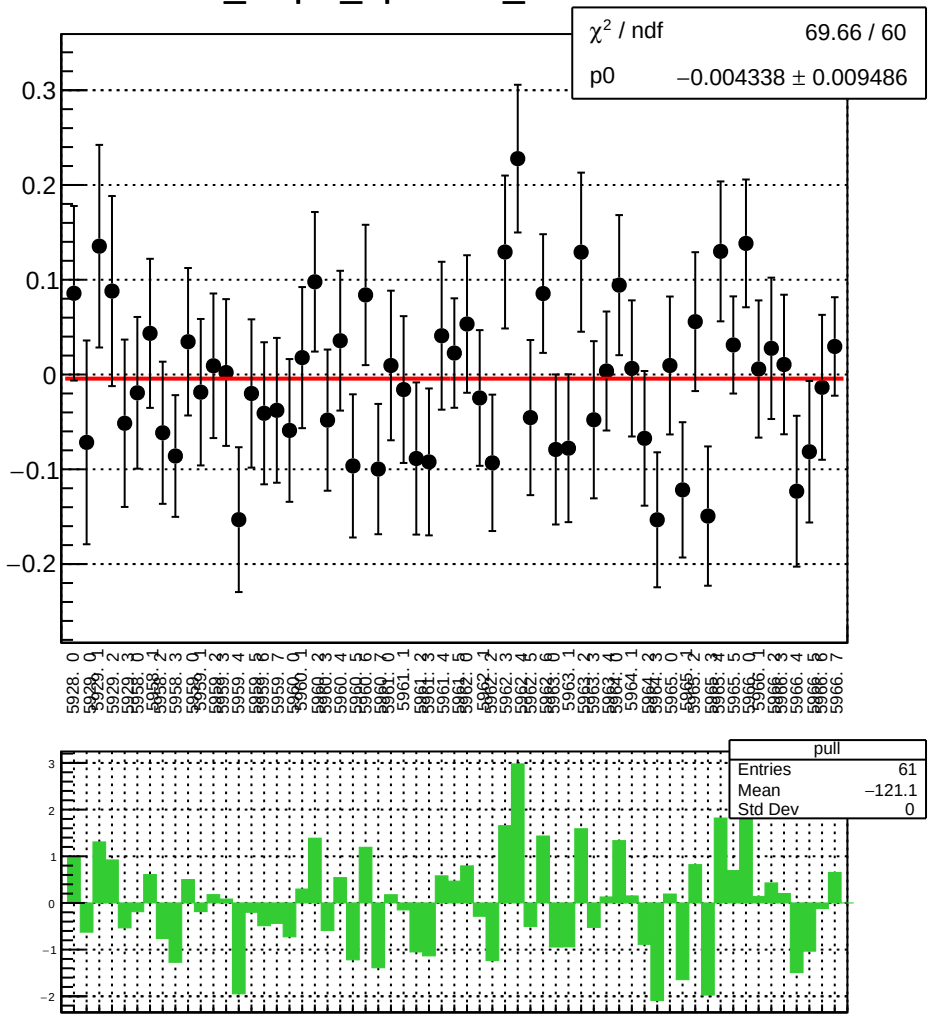

pull1D
Entries 61
Mean −0.0004968
Std Dev 0.9468

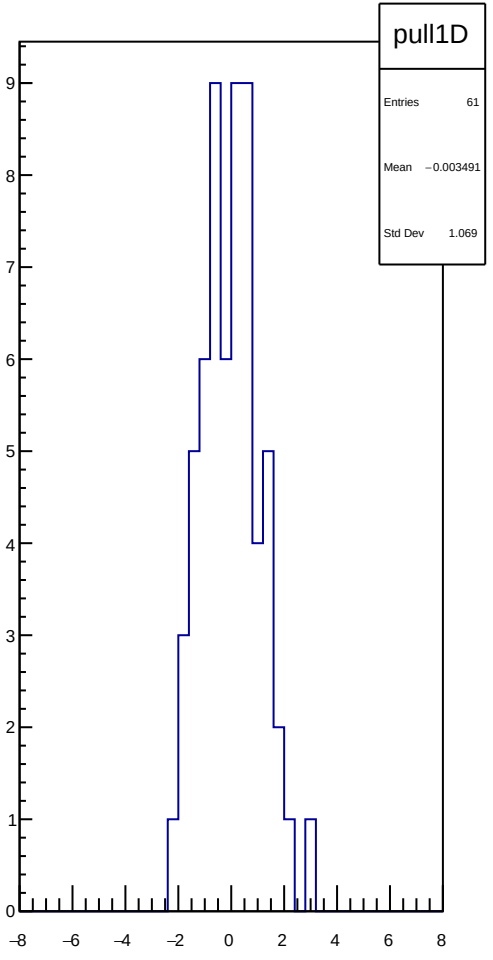

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 2.273e+04 / 60
p0 7138 ± 6.599
14000
12000
10000
8000
6000

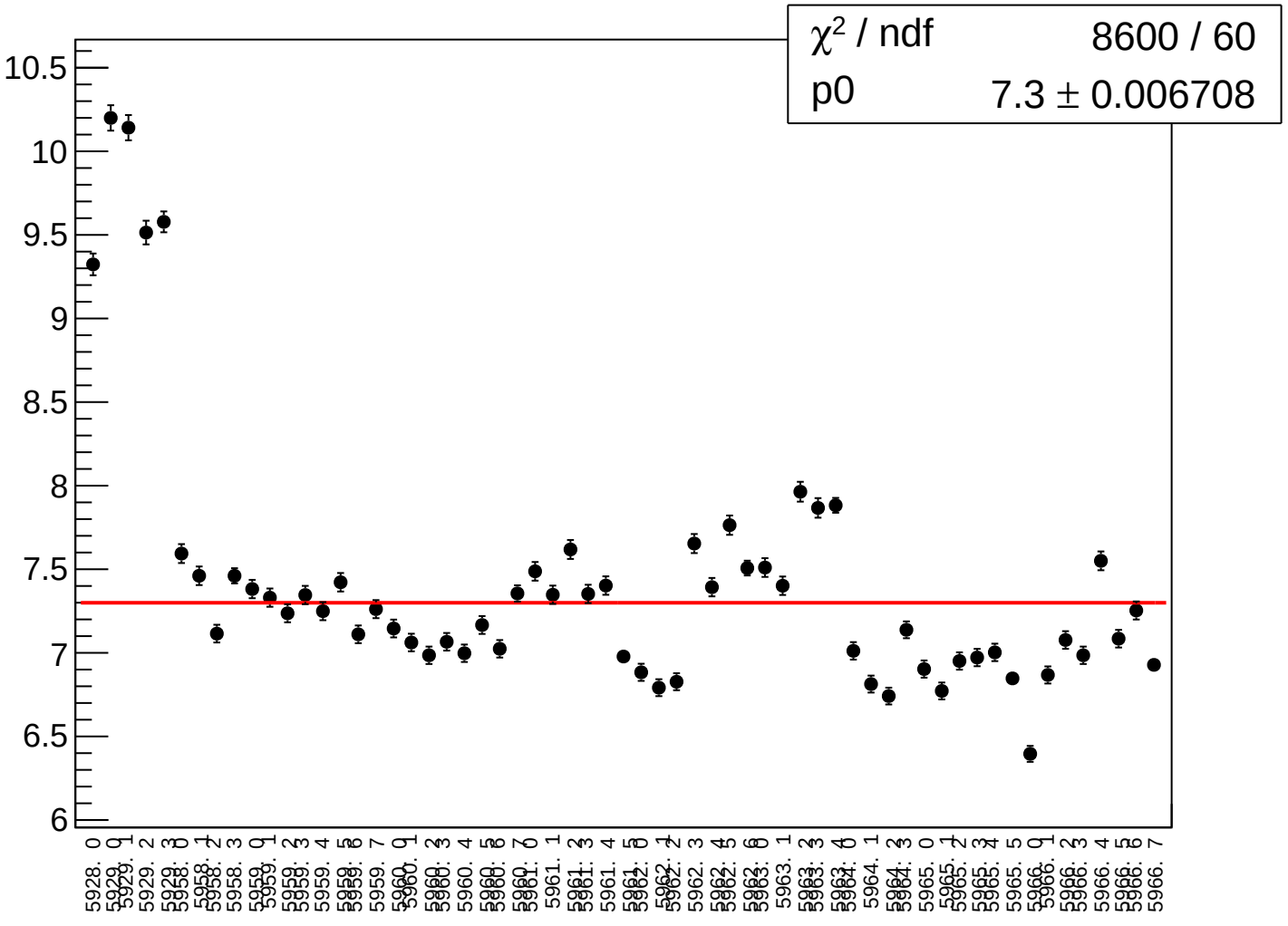

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 48.52 / 60
p0 −2.325 ± 1.276
pull
Entries 61
Mean 791
Std Dev 0

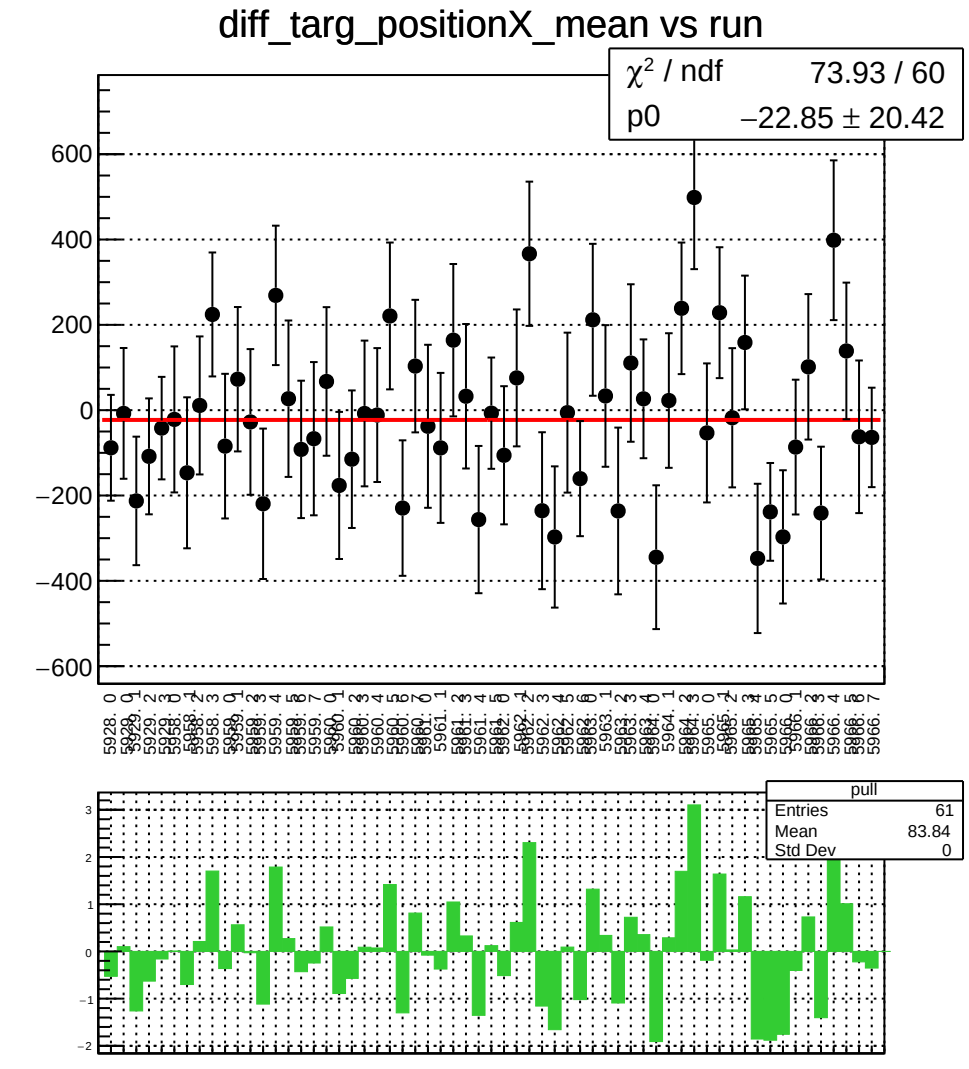

pull1D
Entries 61
Mean 0.005164
Std Dev 0.8918

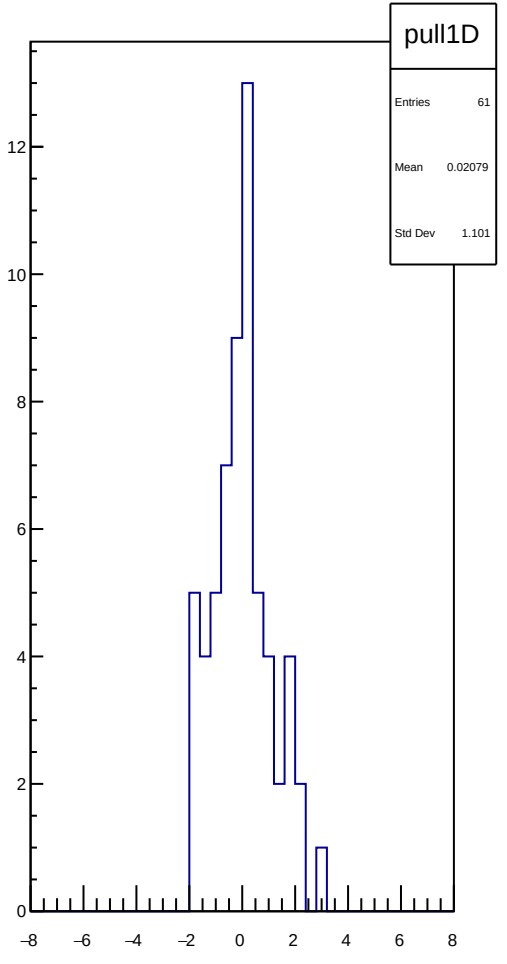

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 239 / 60
p0 985 ± 0.9019
1040
1020
1000
980
960

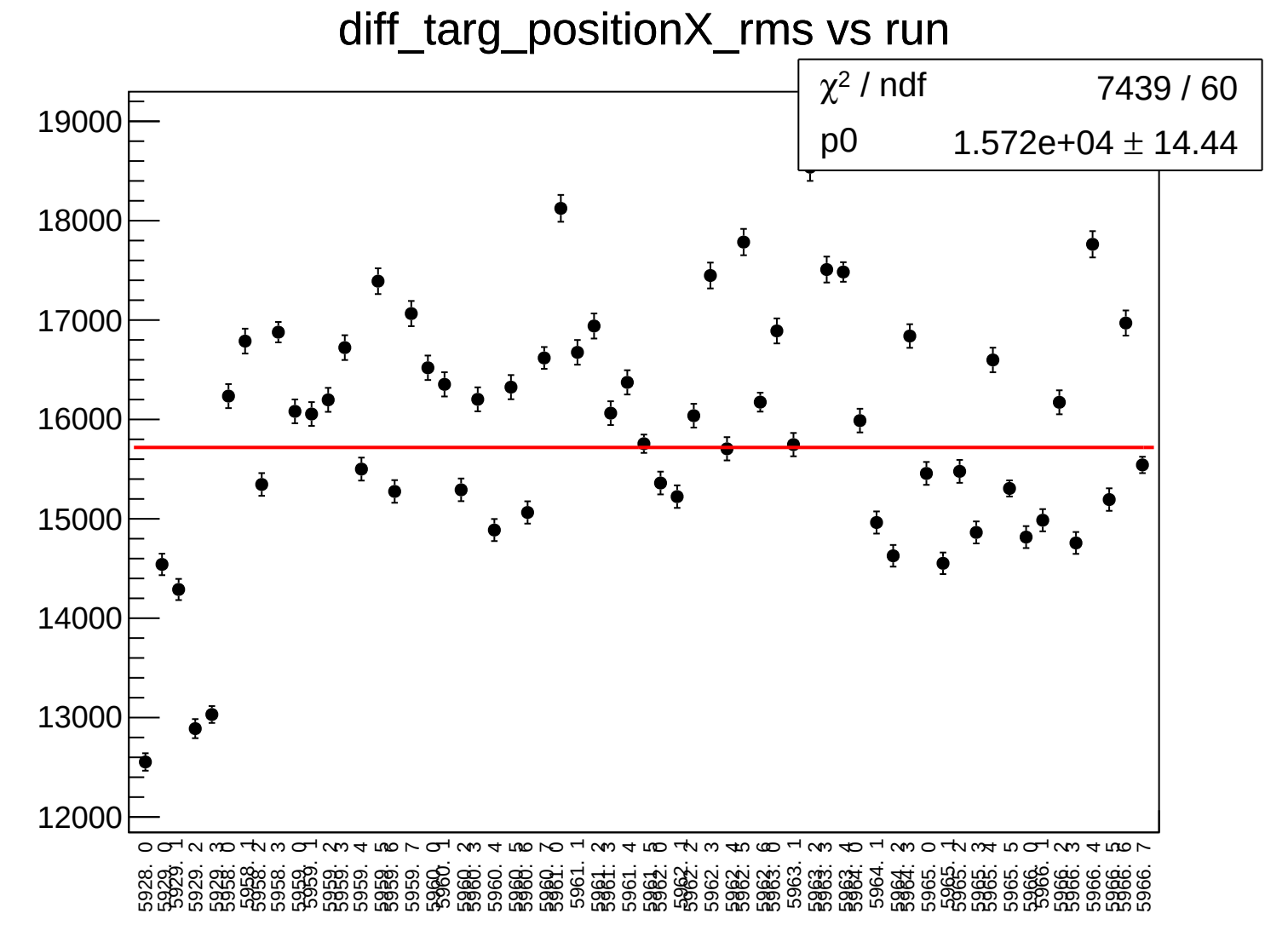

diff_dispE_bpm12X_mean vs run
χ² / ndf 69.66 / 60
p0 −0.004338 ± 0.009486
pull
Entries 61
Mean −121.1
Std Dev 0

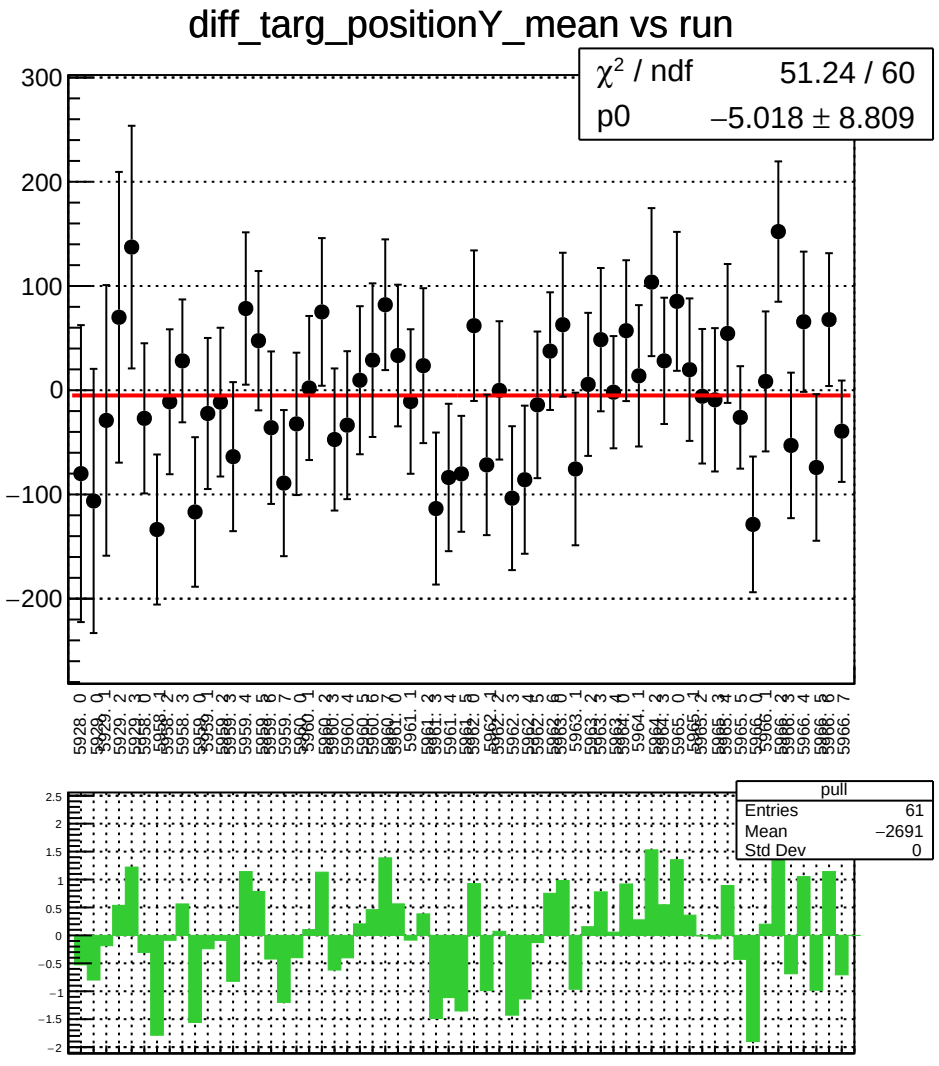

pull1D
Entries 61
Mean −0.003491
Std Dev 1.069

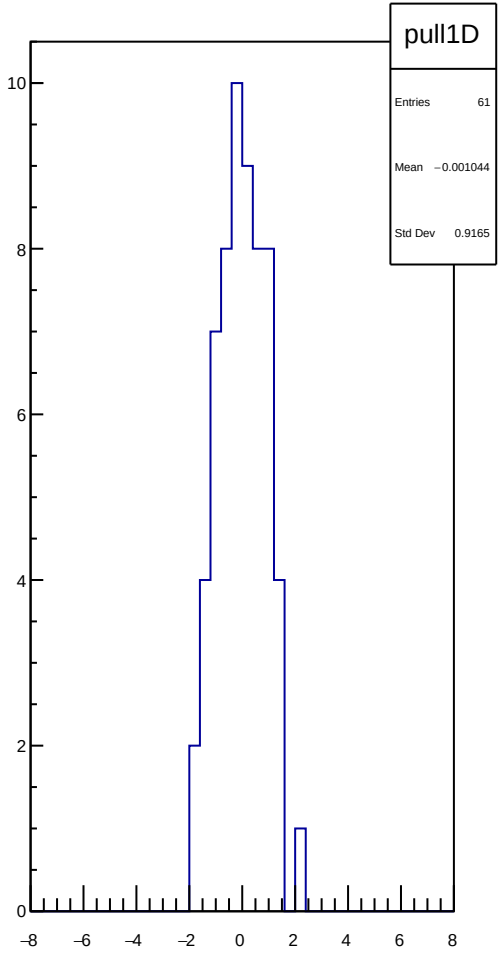

diff_dispE_bpm12X_rms vs run
χ² / ndf 8600 / 60
p0 7.3 ± 0.006708
10.5
10
9.5
9
8.5
8
7.5
7
6.5
6

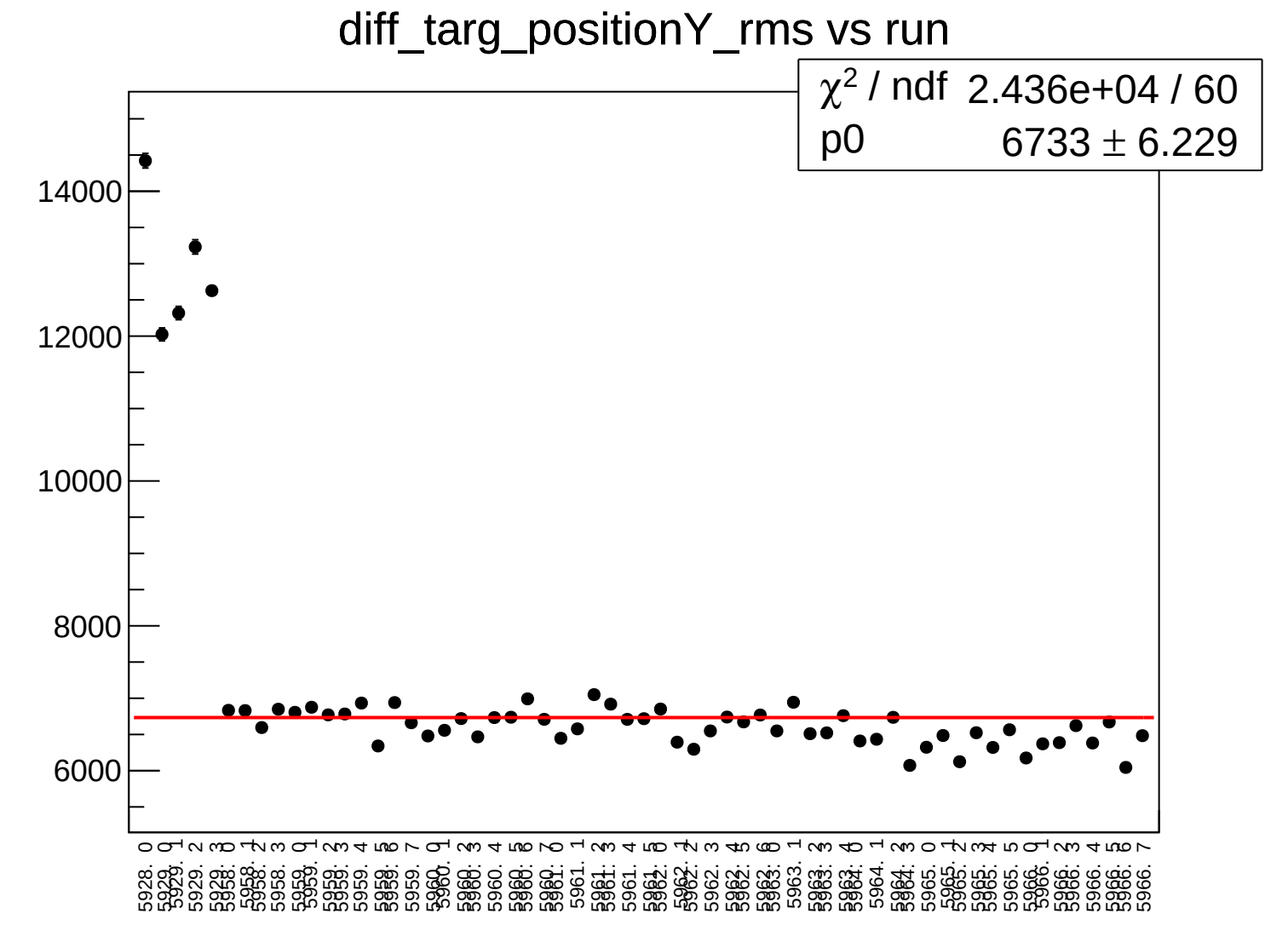

diff_targ_positionX_mean vs run
χ² / ndf 73.93 / 60
p0 −22.85 ± 20.42
pull
Entries 61
Mean 83.84
Std Dev 0

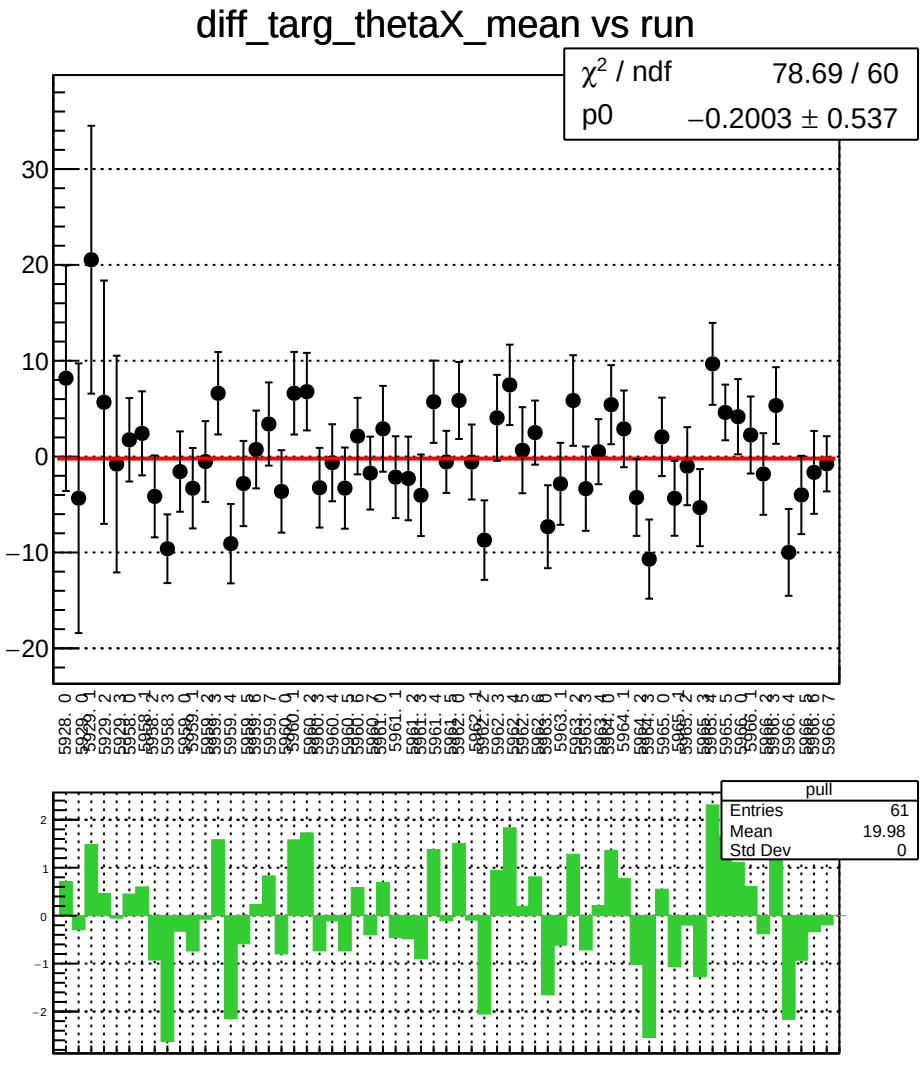

pull1D
Entries 61
Mean 0.02079
Std Dev 1.101

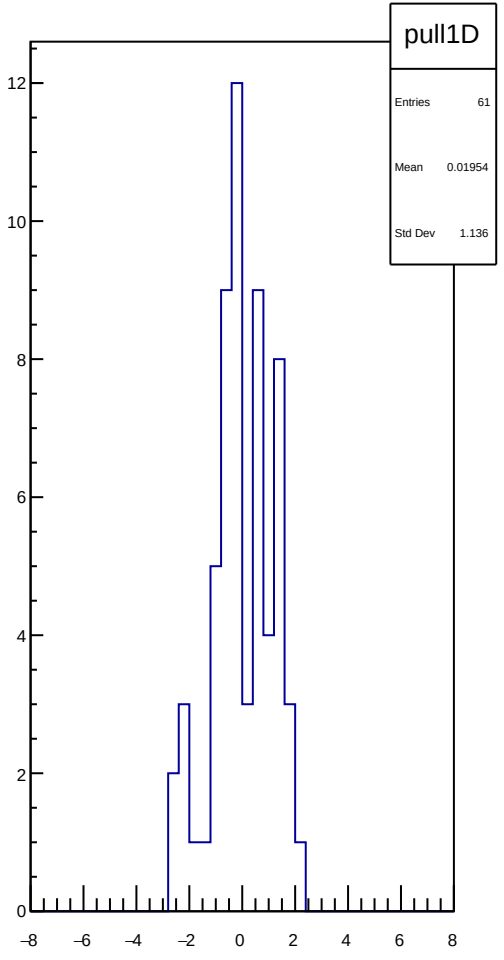

diff_targ_positionX_rms vs run
χ² / ndf 7439 / 60
p0 1.572e+04 ± 14.44
19000
18000
17000
16000
15000
14000
13000
12000

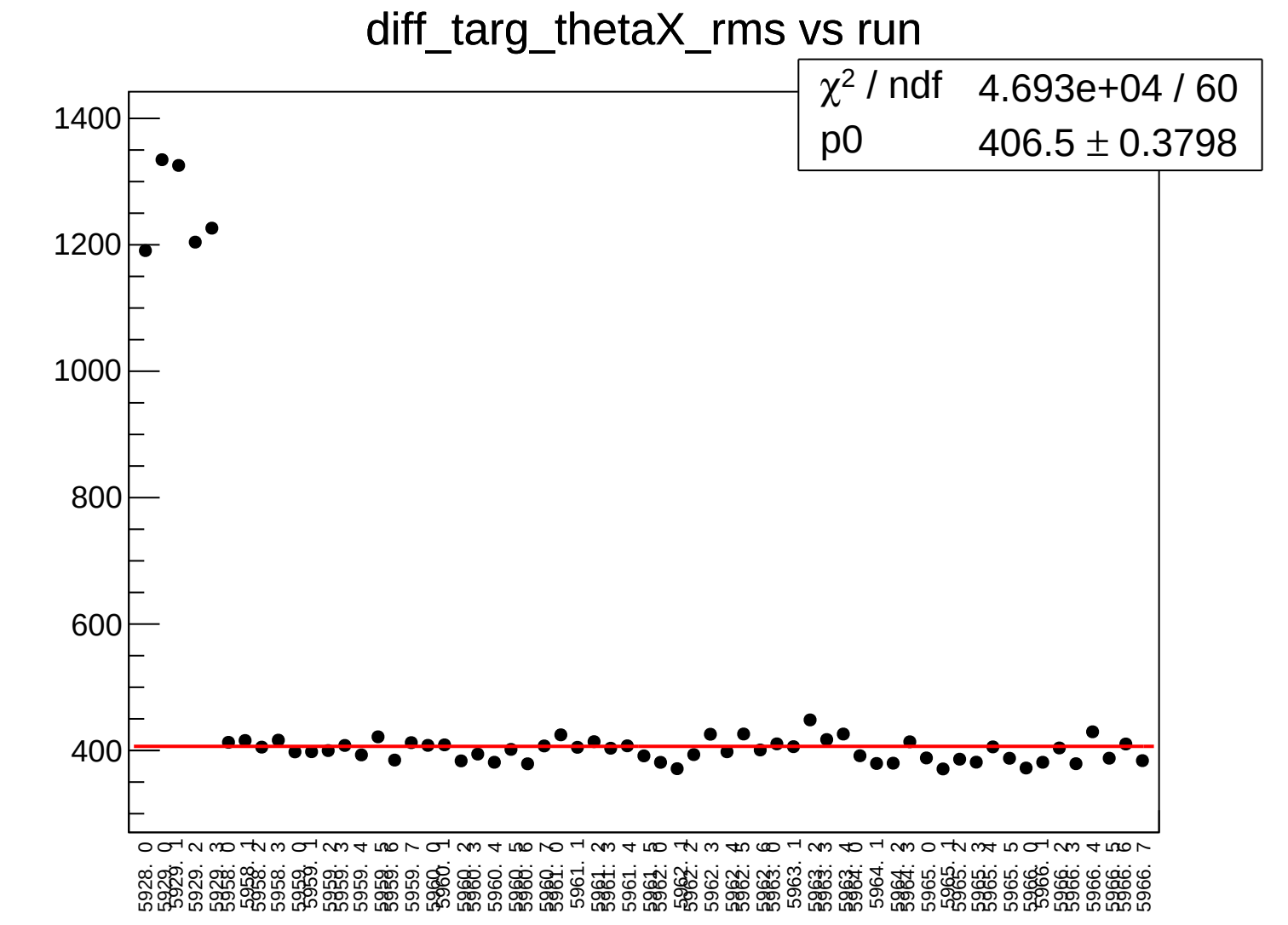

diff_targ_positionY_mean vs run
χ² / ndf 51.24 / 60
p0 −5.018 ± 8.809
pull
Entries 61
Mean −2691
Std Dev 0

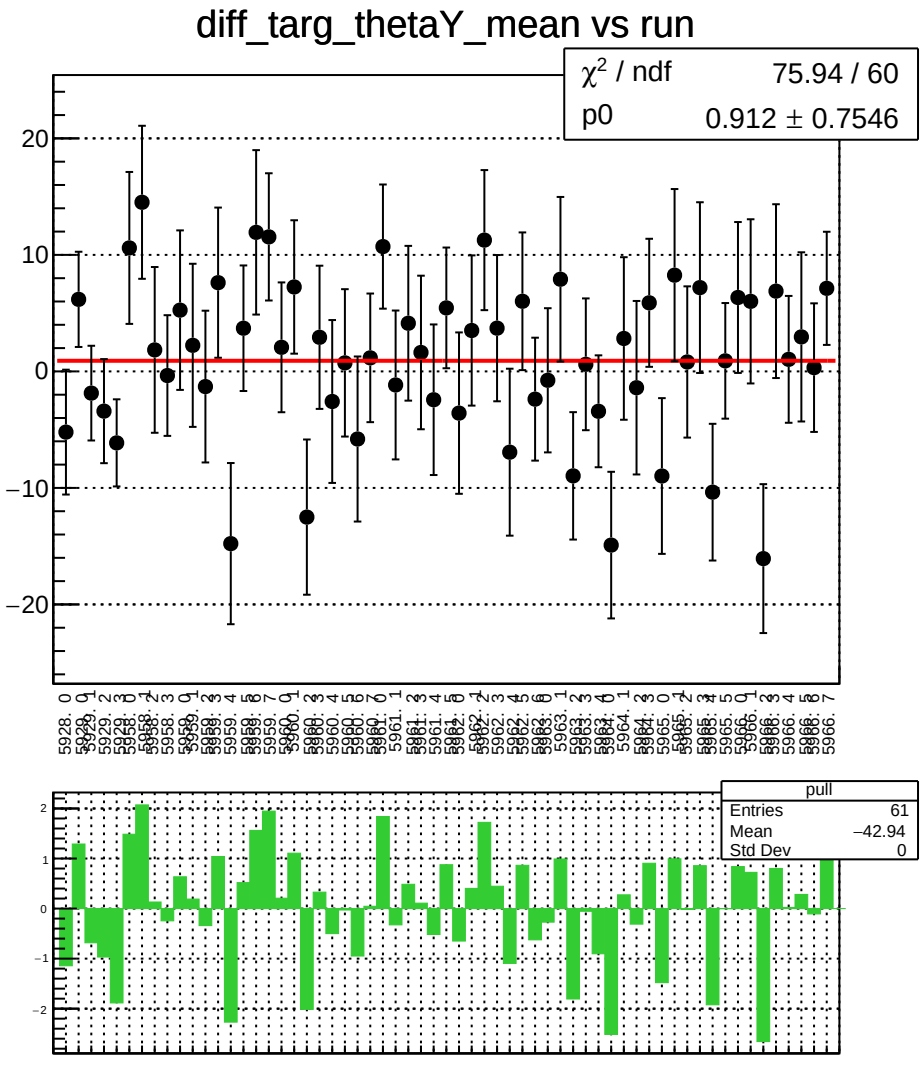

pull1D
Entries 61
Mean −0.001044
Std Dev 0.9165

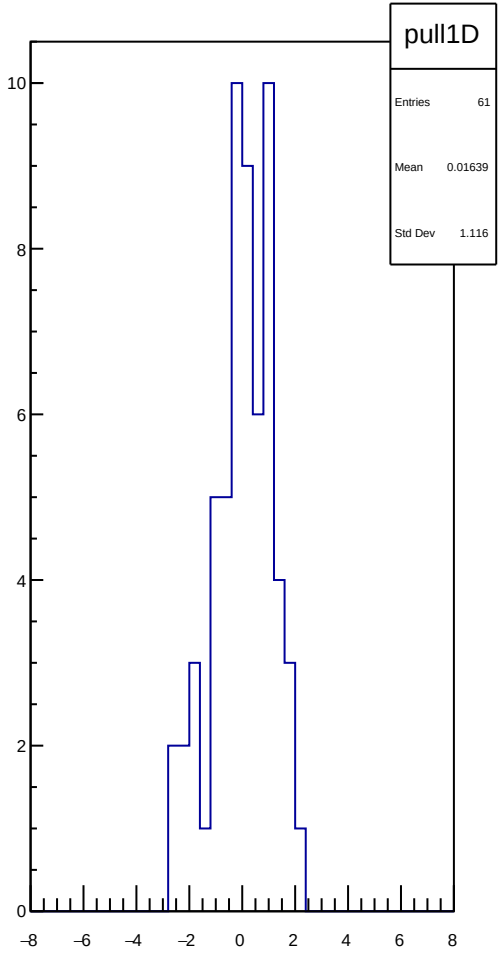

diff_targ_positionY_rms vs run
χ² / ndf 2.436e+04 / 60
p0 6733 ± 6.229
14000
12000
10000
8000
6000

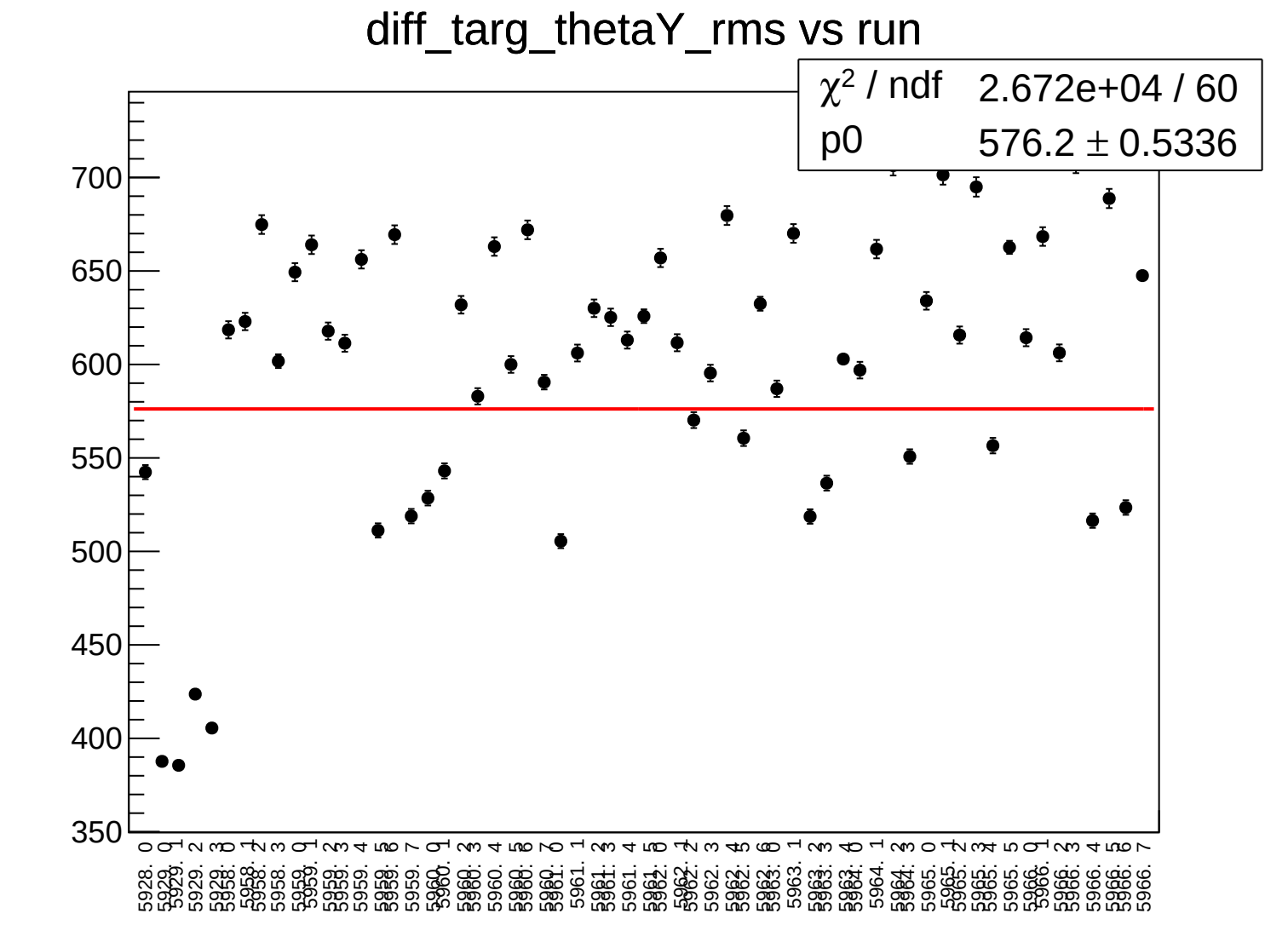

diff_targ_thetaX_mean vs run
χ² / ndf 78.69 / 60
p0 −0.2003 ± 0.537
pull
Entries 61
Mean 19.98
Std Dev 0

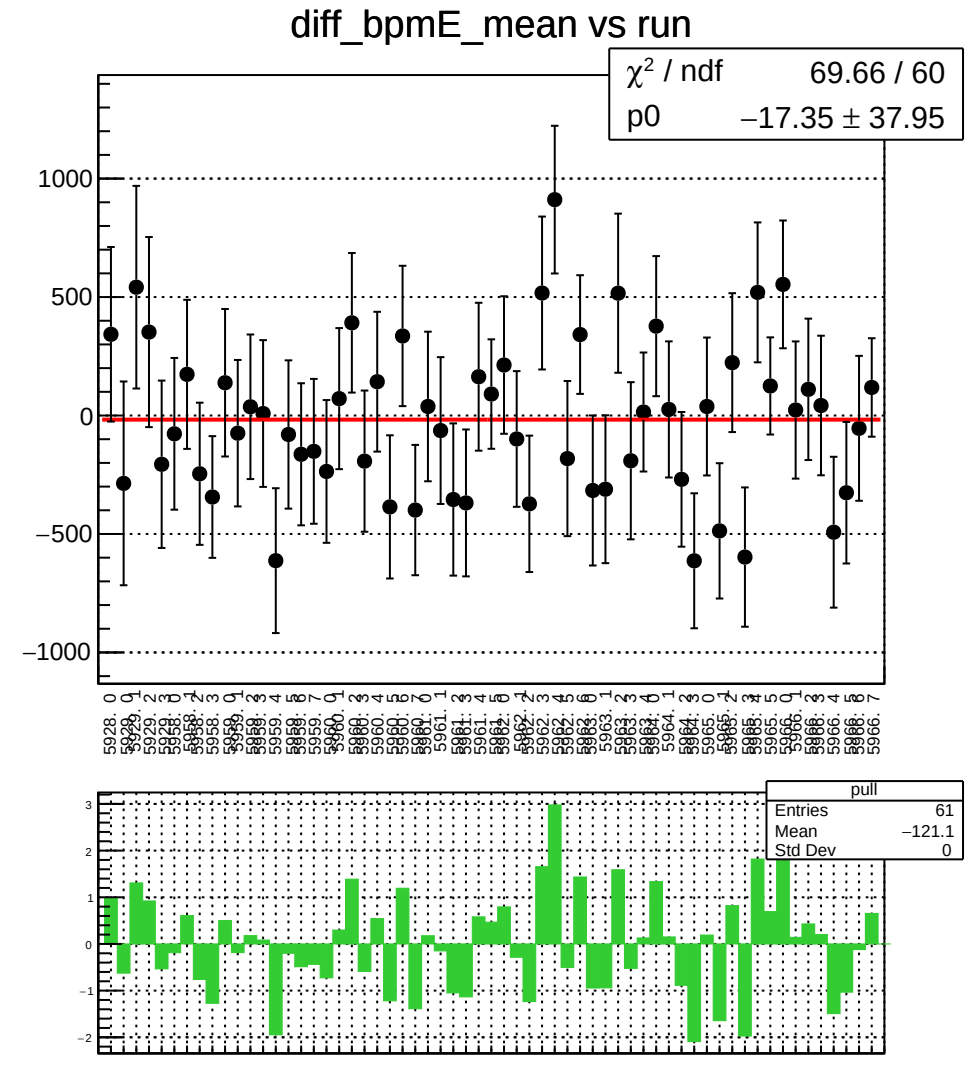

pull1D
Entries 61
Mean 0.01954
Std Dev 1.136

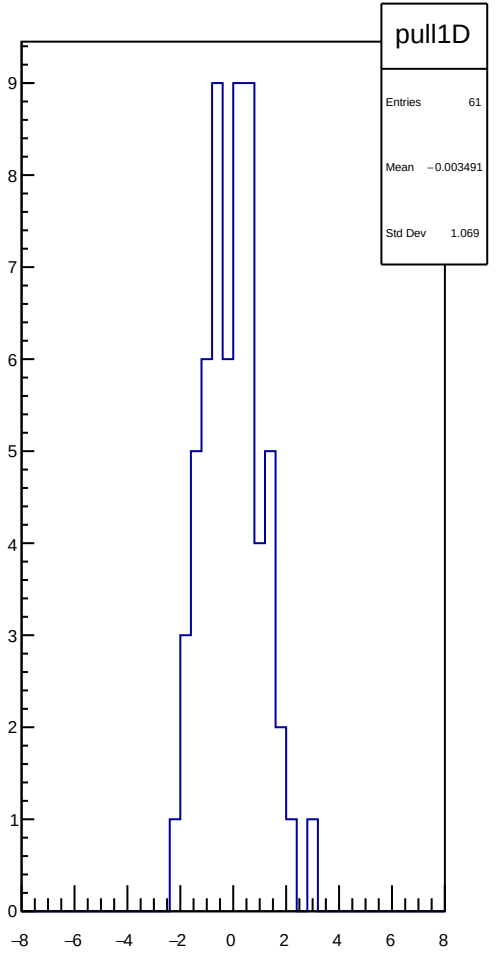

diff_targ_thetaX_rms vs run
χ² / ndf 4.693e+04 / 60
p0 406.5 ± 0.3798
1400
1200
1000
800
600
400

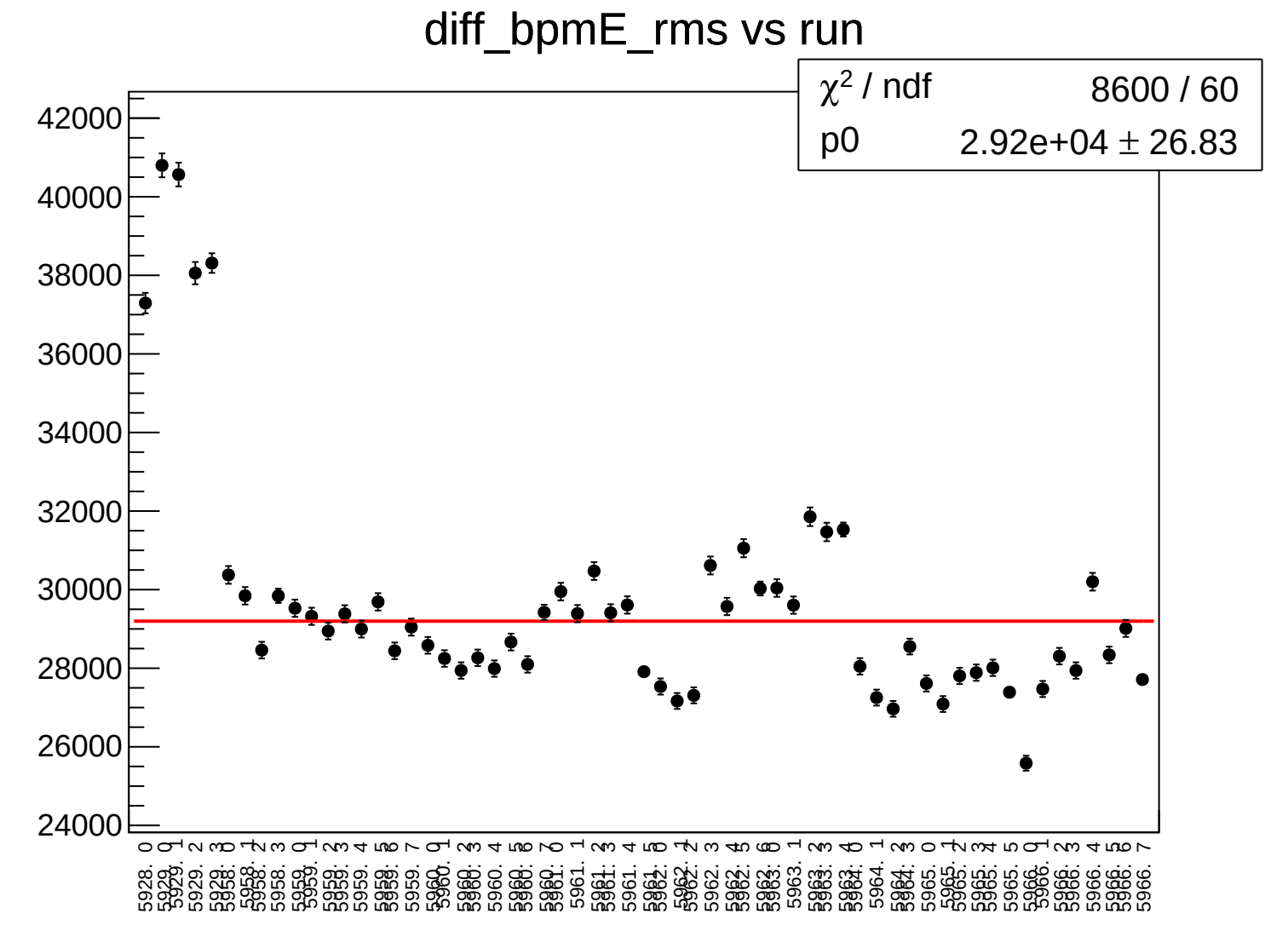

diff_targ_thetaY_mean vs run
χ² / ndf 75.94 / 60
p0 0.912 ± 0.7546
pull
Entries 61
Mean −42.94
Std Dev 0

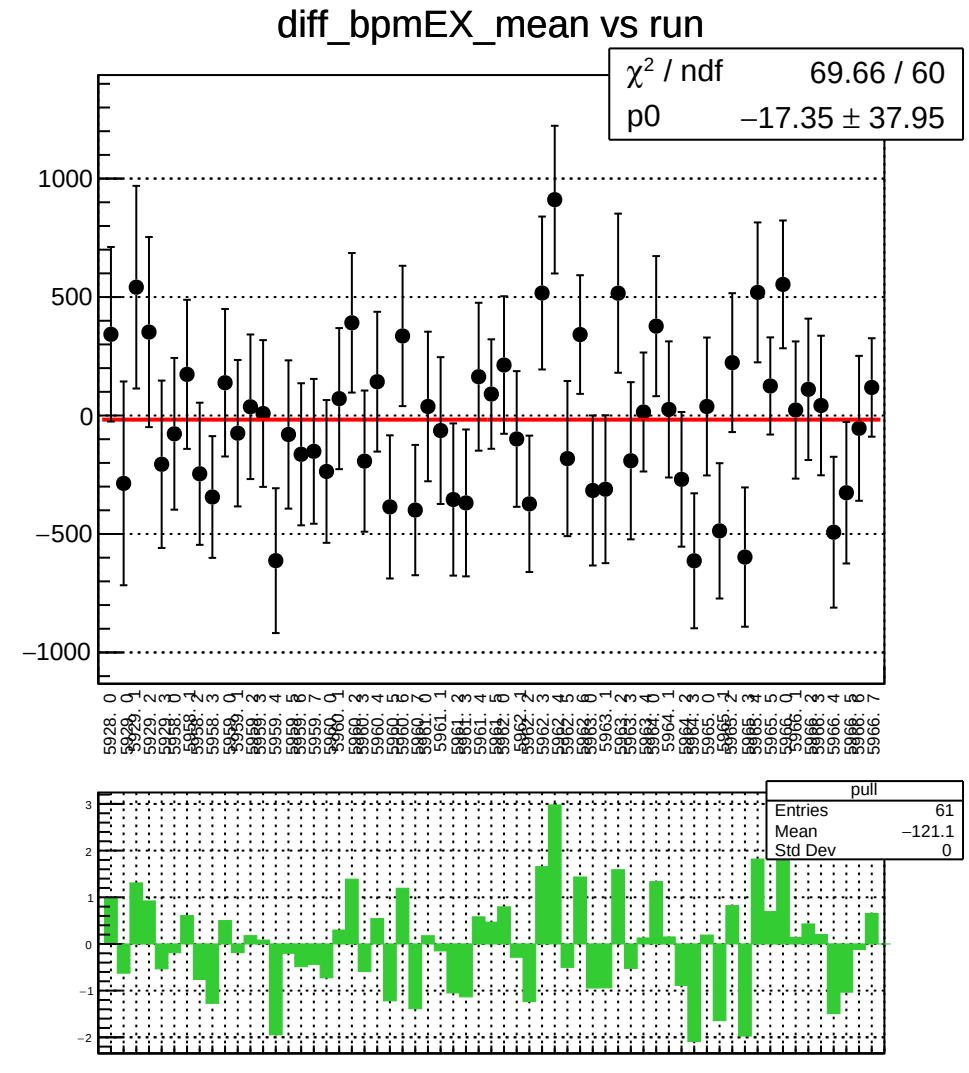

pull1D
Entries 61
Mean 0.01639
Std Dev 1.116

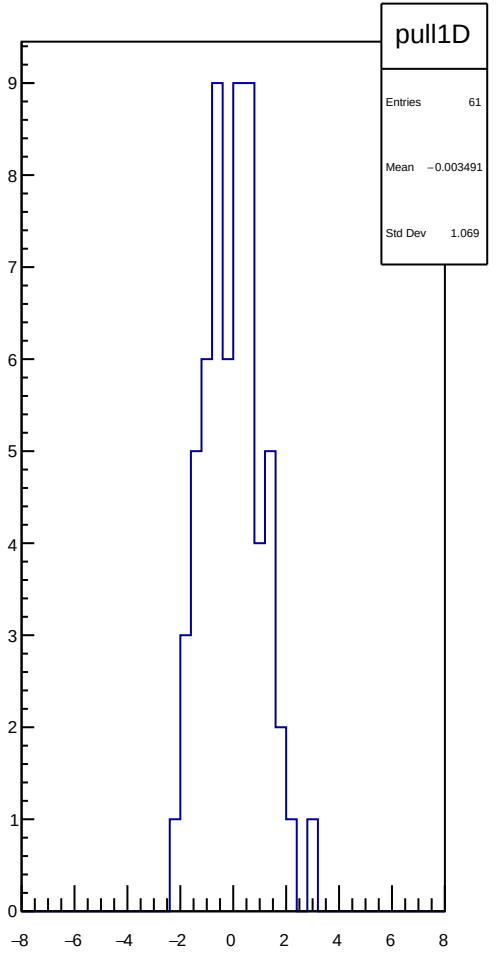

diff_targ_thetaY_rms vs run
χ² / ndf 2.672e+04 / 60
p0 576.2 ± 0.5336
700
650
600
550
500
450
400
350

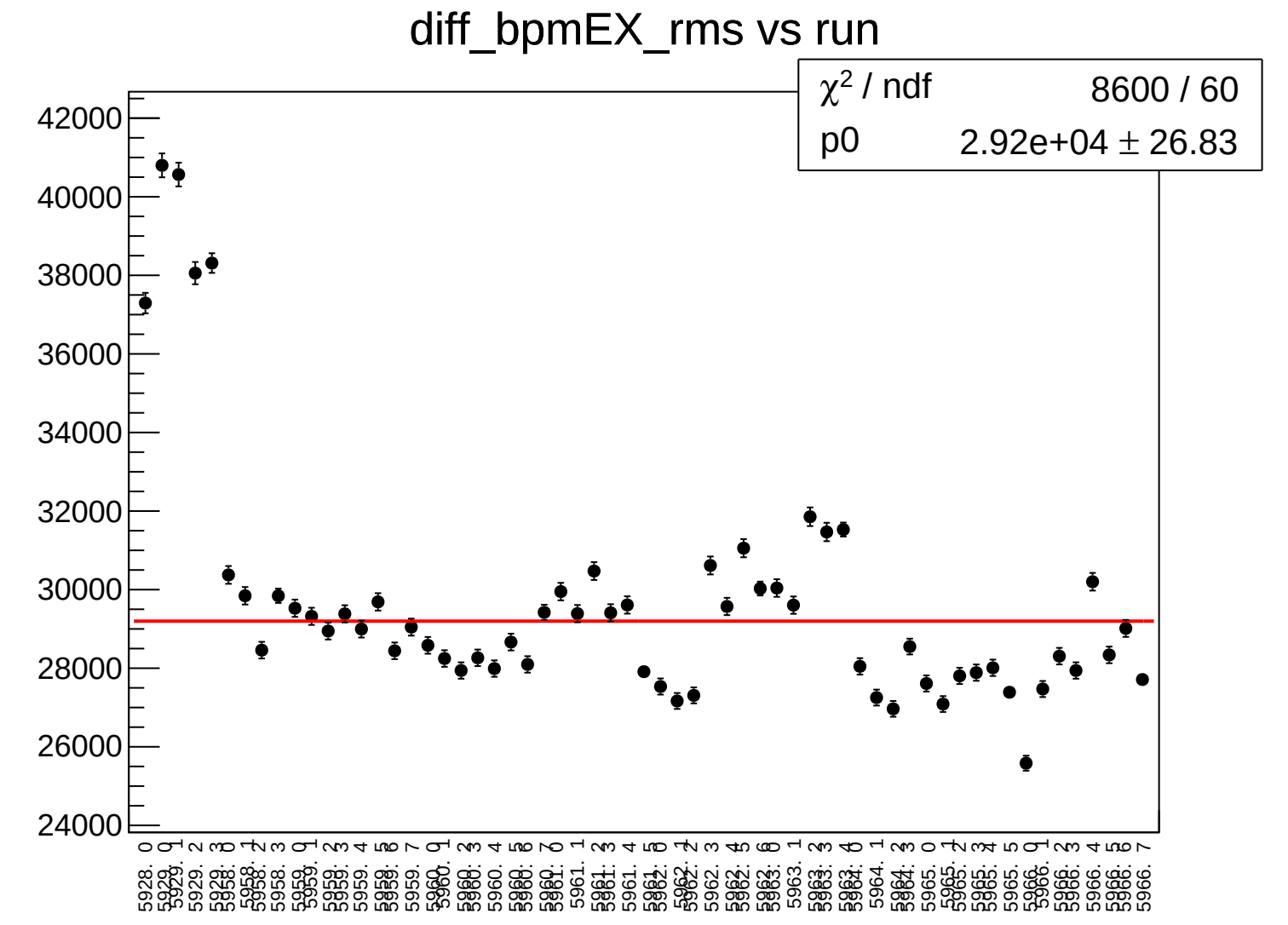

diff_bpmE_mean vs run
χ² / ndf 69.66 / 60
p0 −17.35 ± 37.95
1000
500
0
−500
−1000
pull
Entries 61
Mean −121.1
Std Dev 0
3
2
1
0
−1
−2

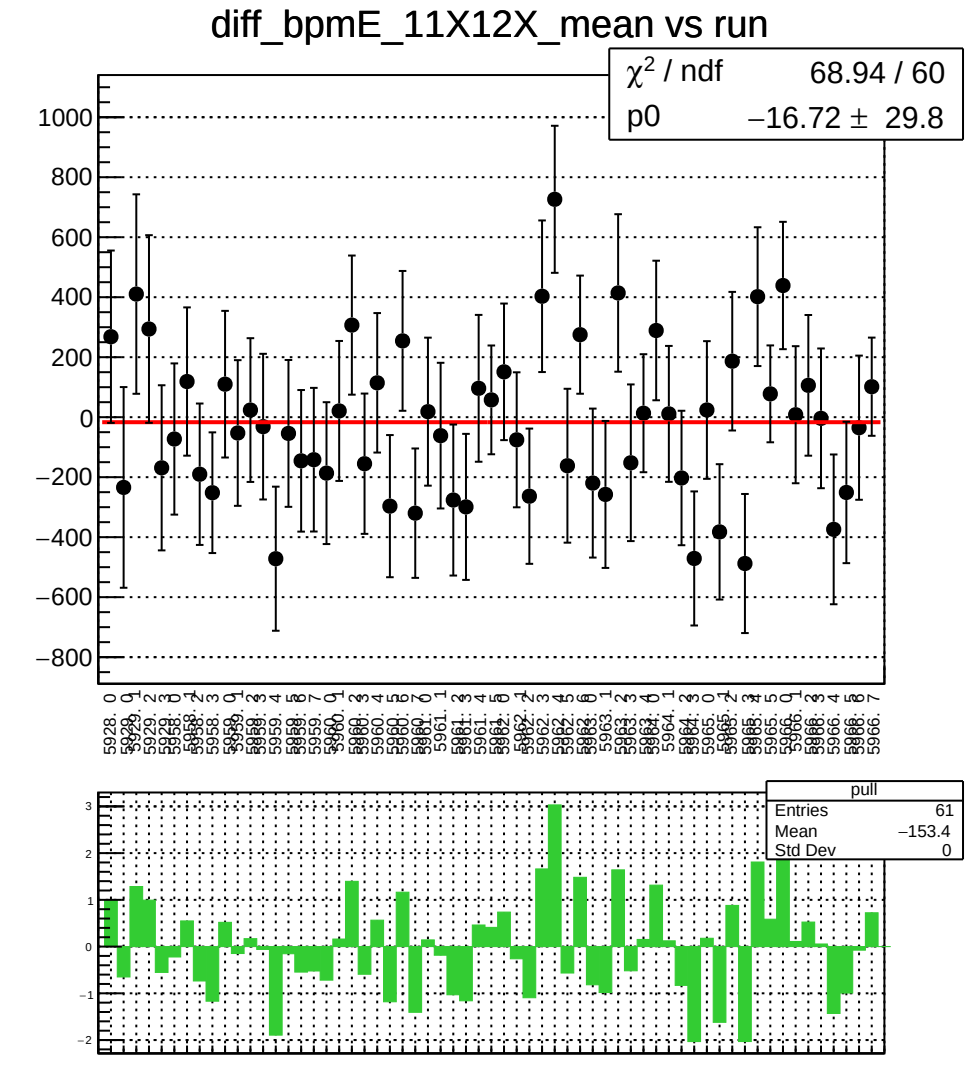

pull1D
Entries 61
Mean −0.003491
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

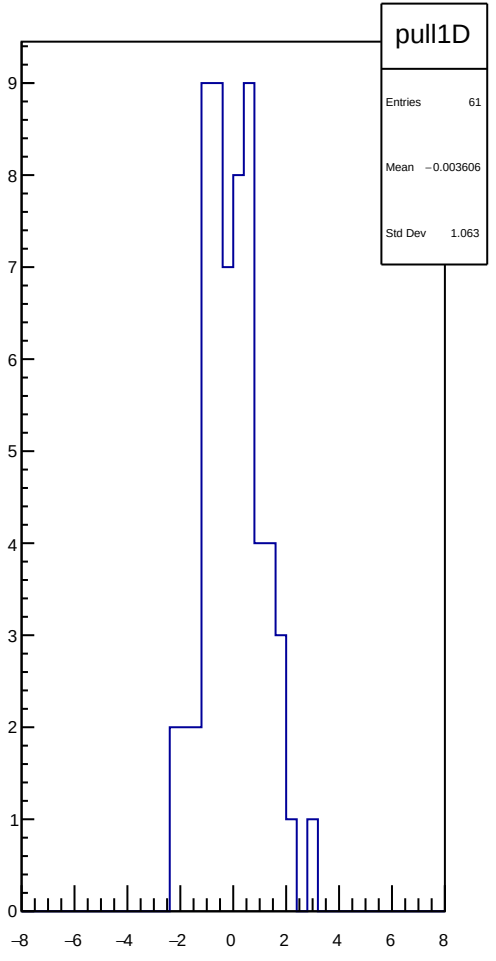

diff_bpmE_rms vs run
χ² / ndf 8600 / 60
p0 2.92e+04 ± 26.83
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000

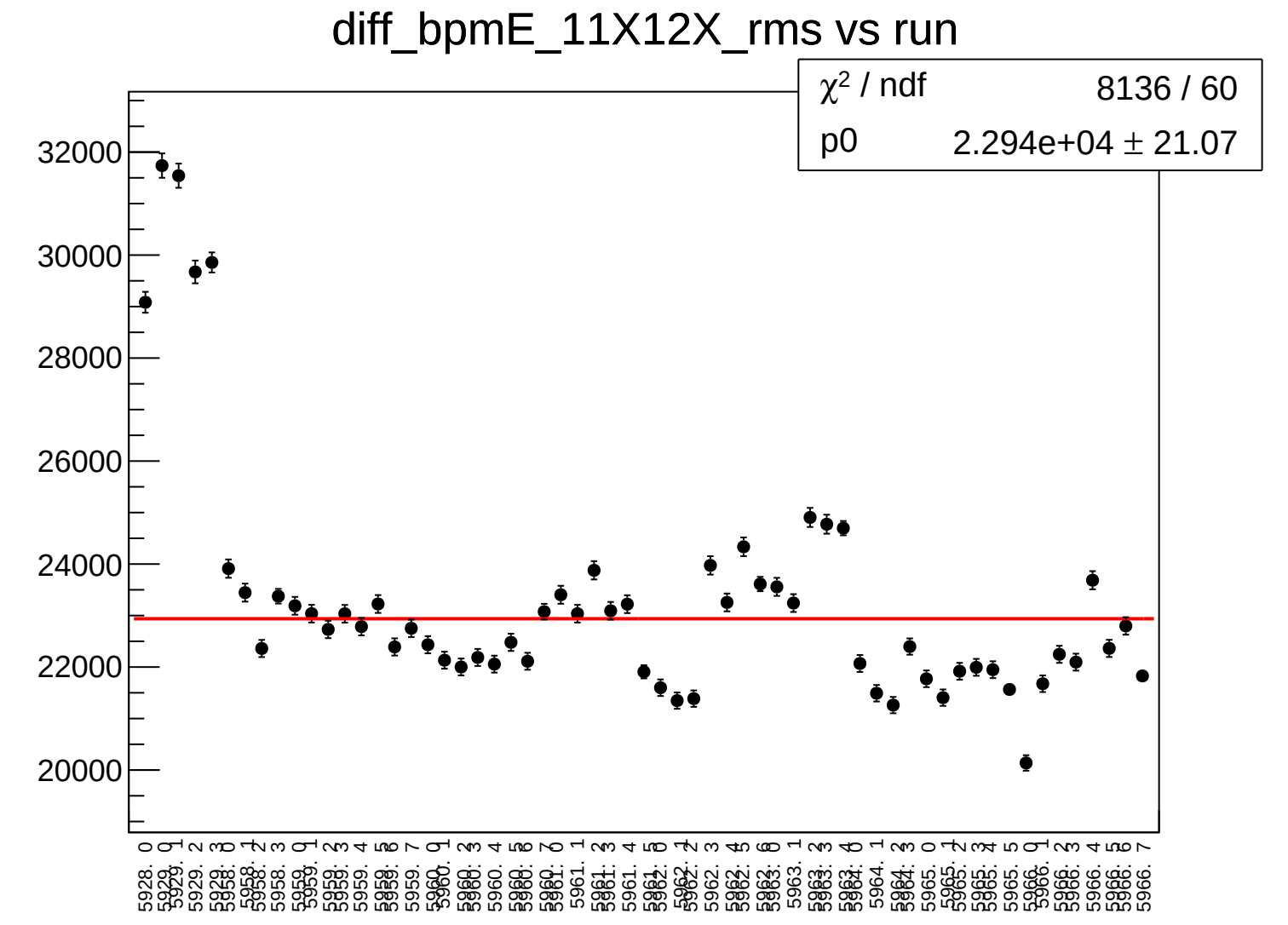

diff_bpmEX_mean vs run
χ² / ndf 69.66 / 60
p0 −17.35 ± 37.95
pull
Entries 61
Mean −121.1
Std Dev 0

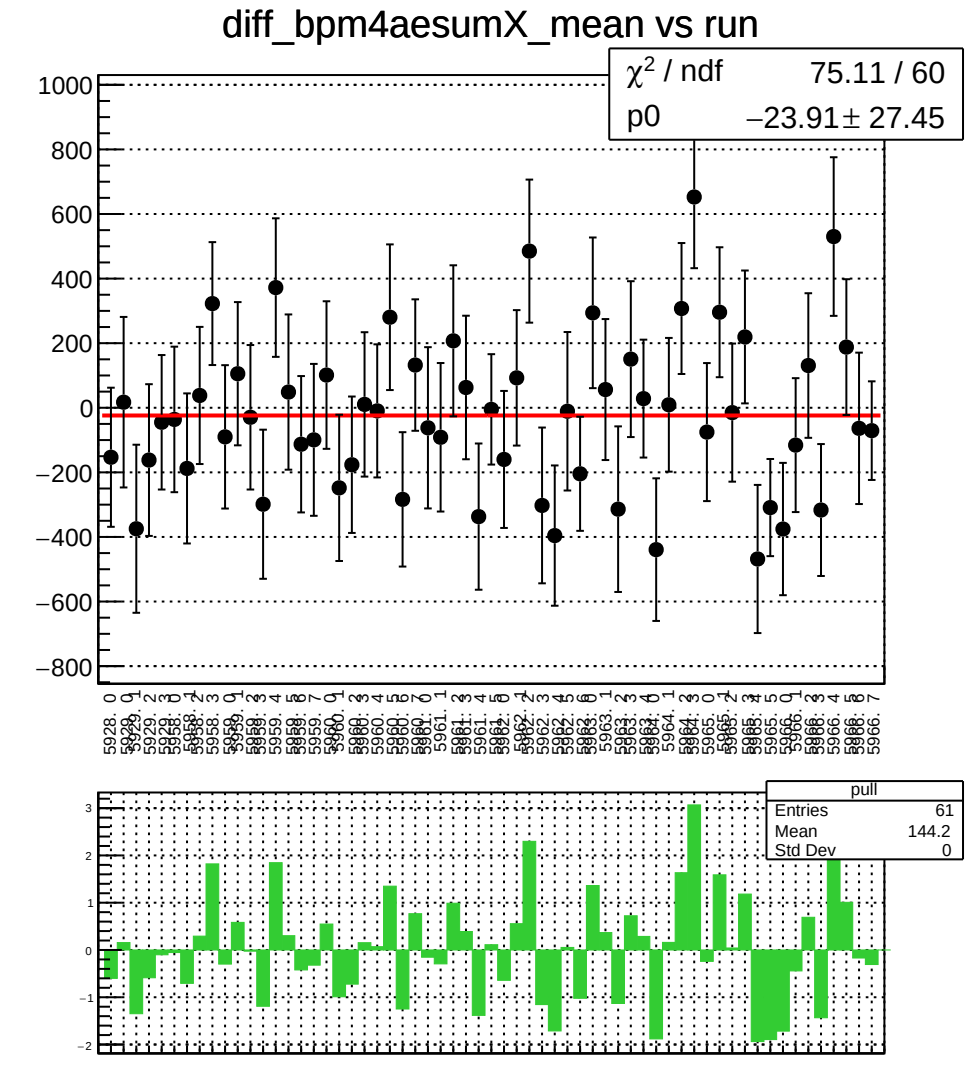

pull1D
Entries 61
Mean −0.003491
Std Dev 1.069

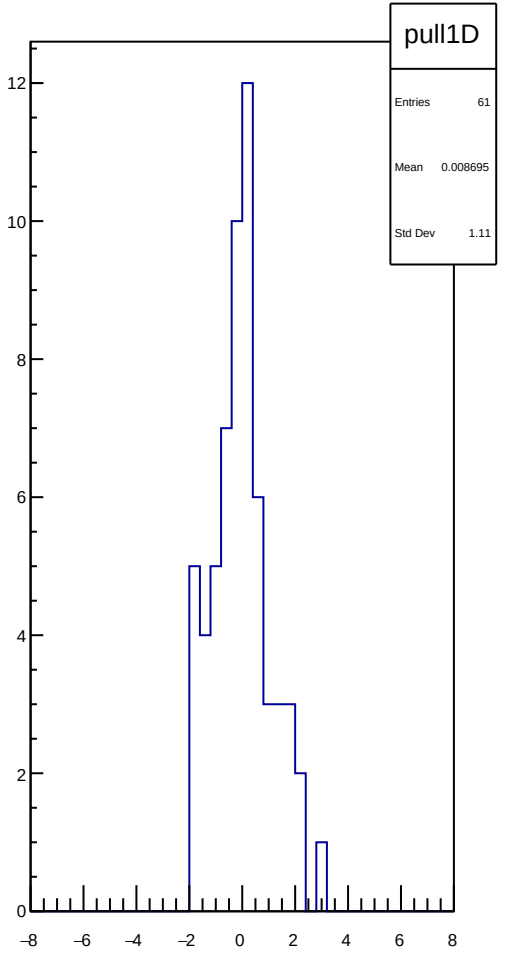

diff_bpmEX_rms vs run
χ² / ndf 8600 / 60
p0 2.92e+04 ± 26.83
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000

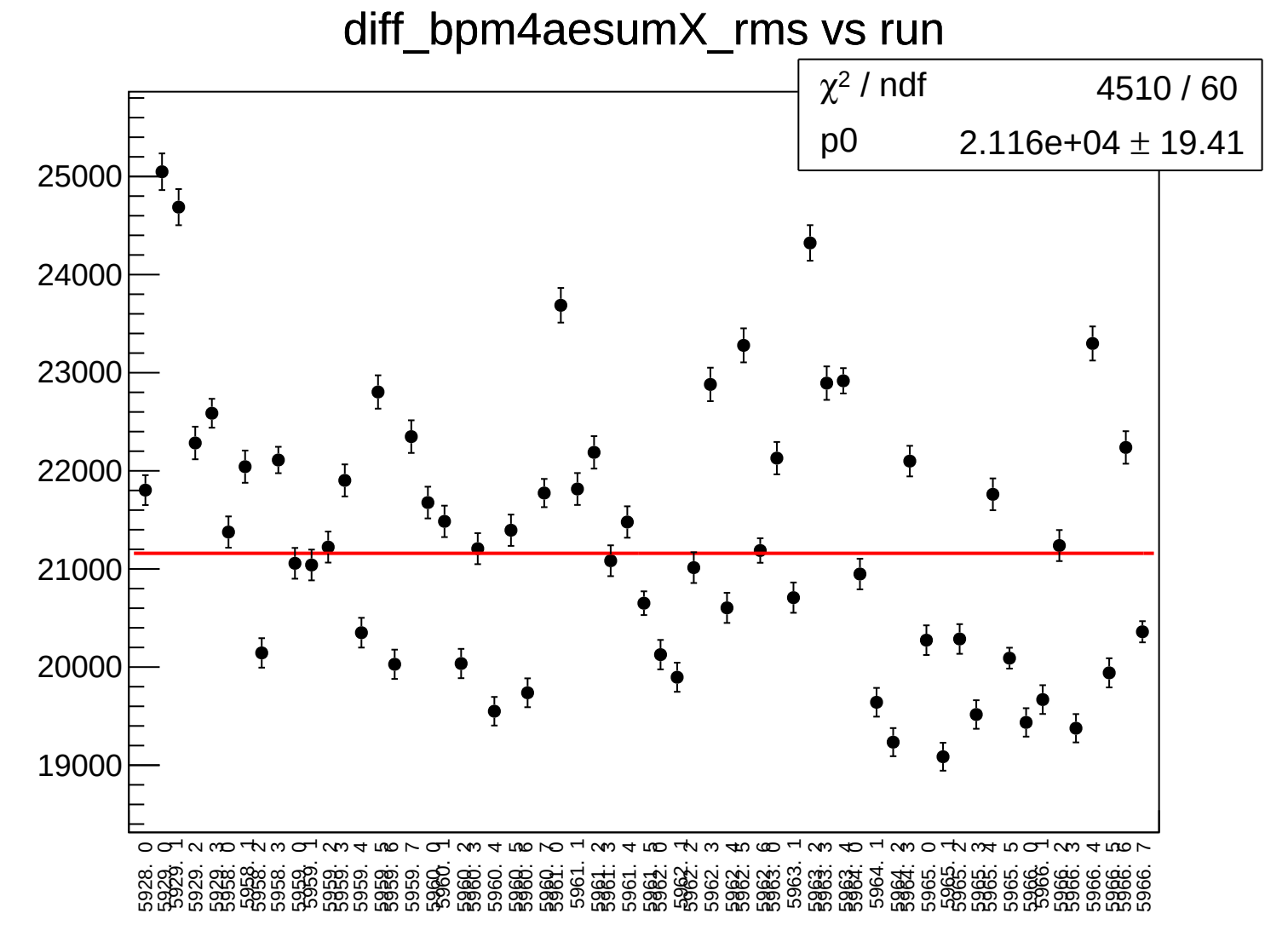

diff_bpmE_11X12X_mean vs run
χ² / ndf 68.94 / 60
p0 −16.72 ± 29.8
pull
Entries 61
Mean −153.4
Std Dev 0

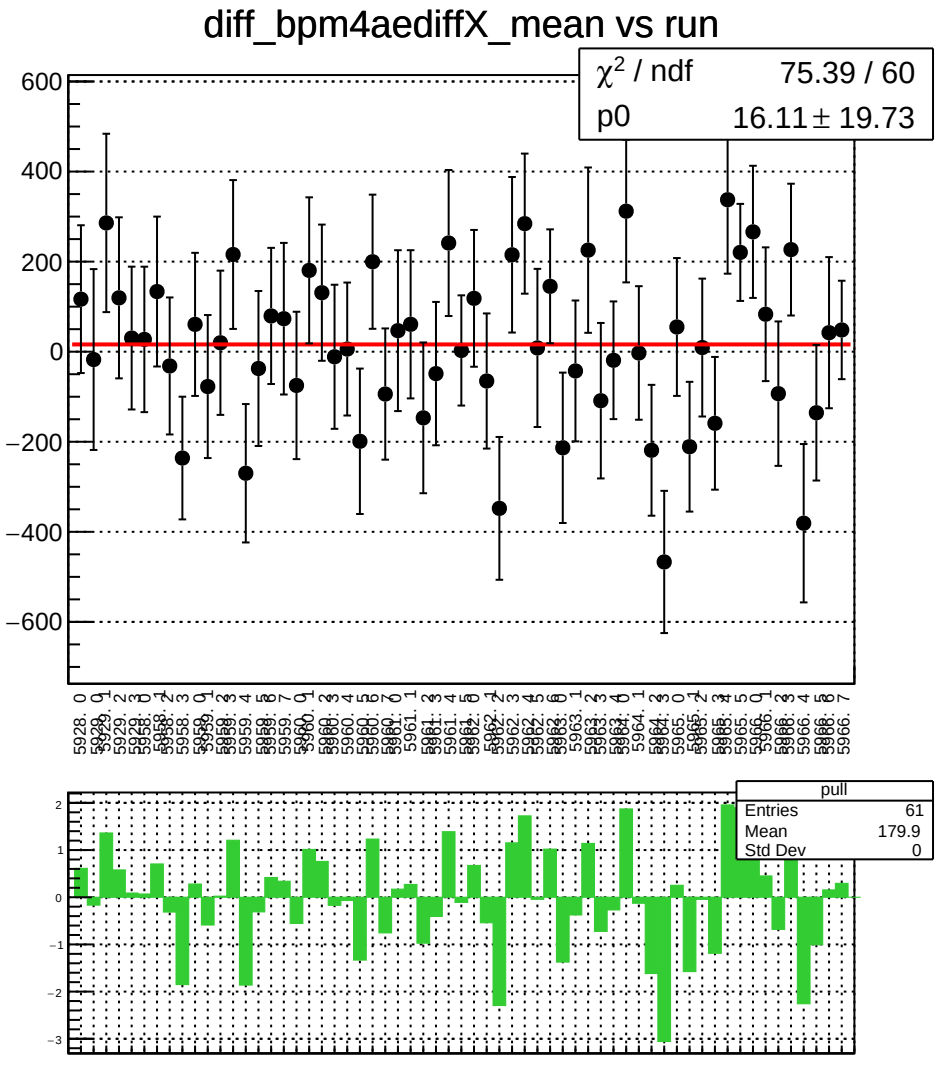

pull1D
Entries 61
Mean −0.003606
Std Dev 1.063

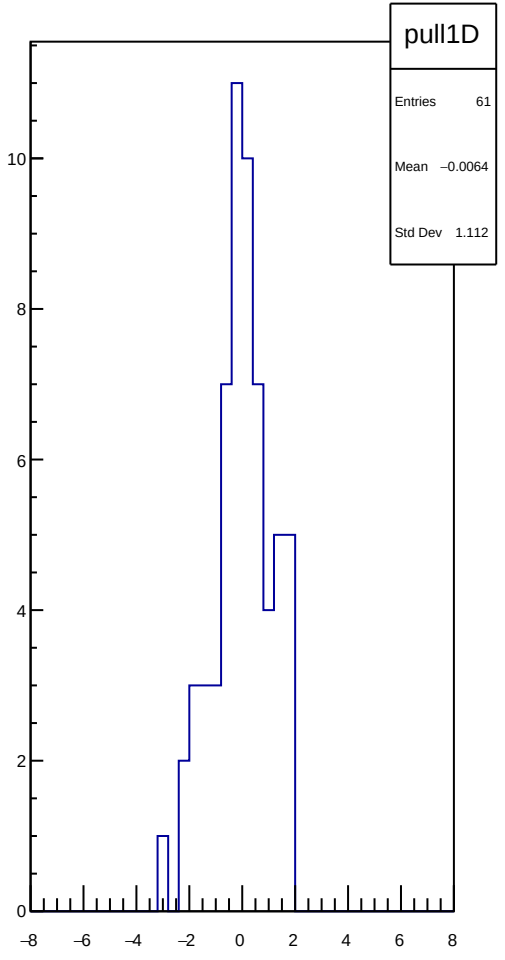

diff_bpmE_11X12X_rms vs run
χ² / ndf 8136 / 60
p0 2.294e+04 ± 21.07
32000
30000
28000
26000
24000
22000
20000

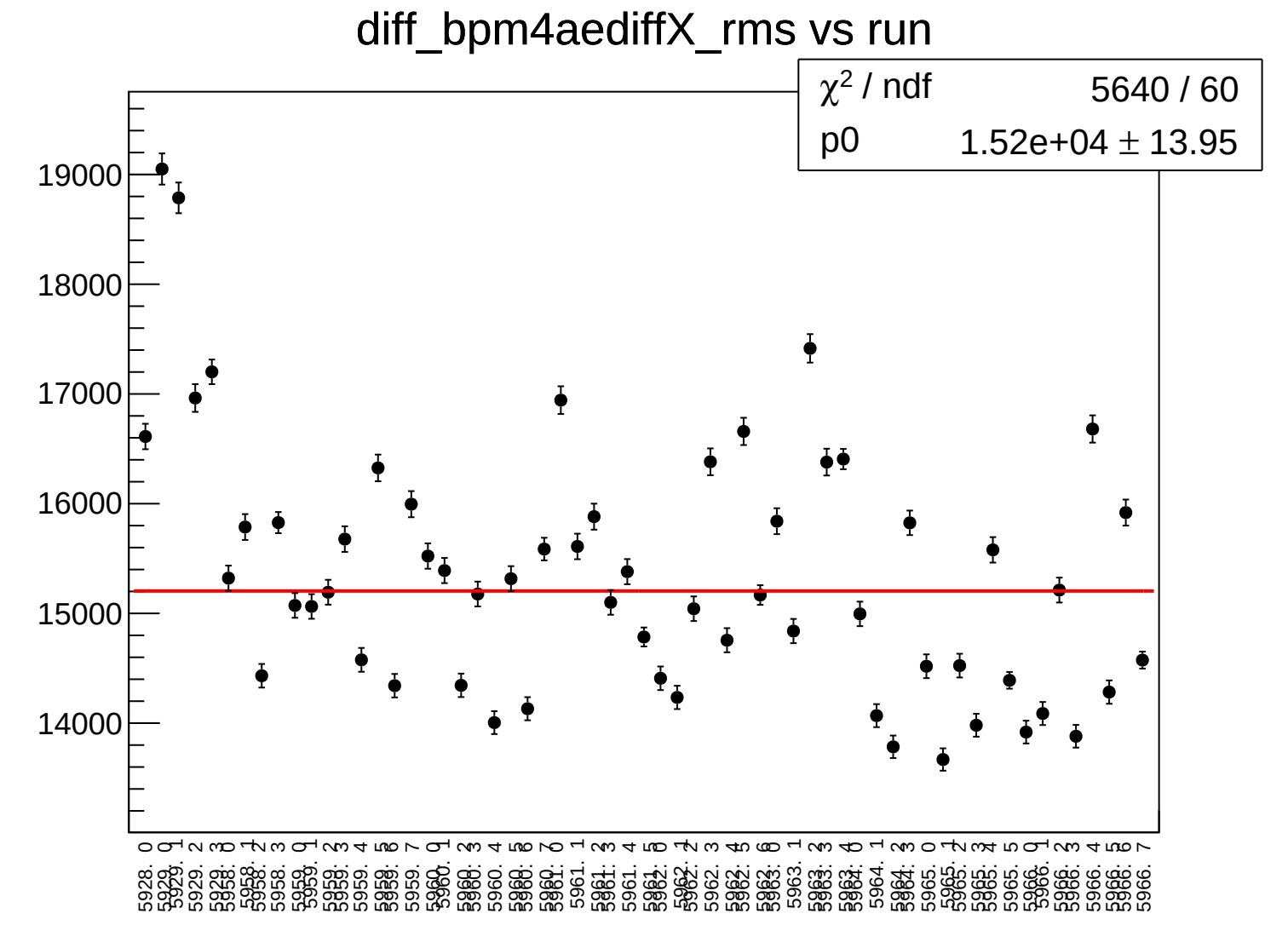

diff_bpm4aesumX_mean vs run
χ² / ndf 75.11 / 60
p0 −23.91± 27.45
pull
Entries 61
Mean 144.2
Std Dev 0

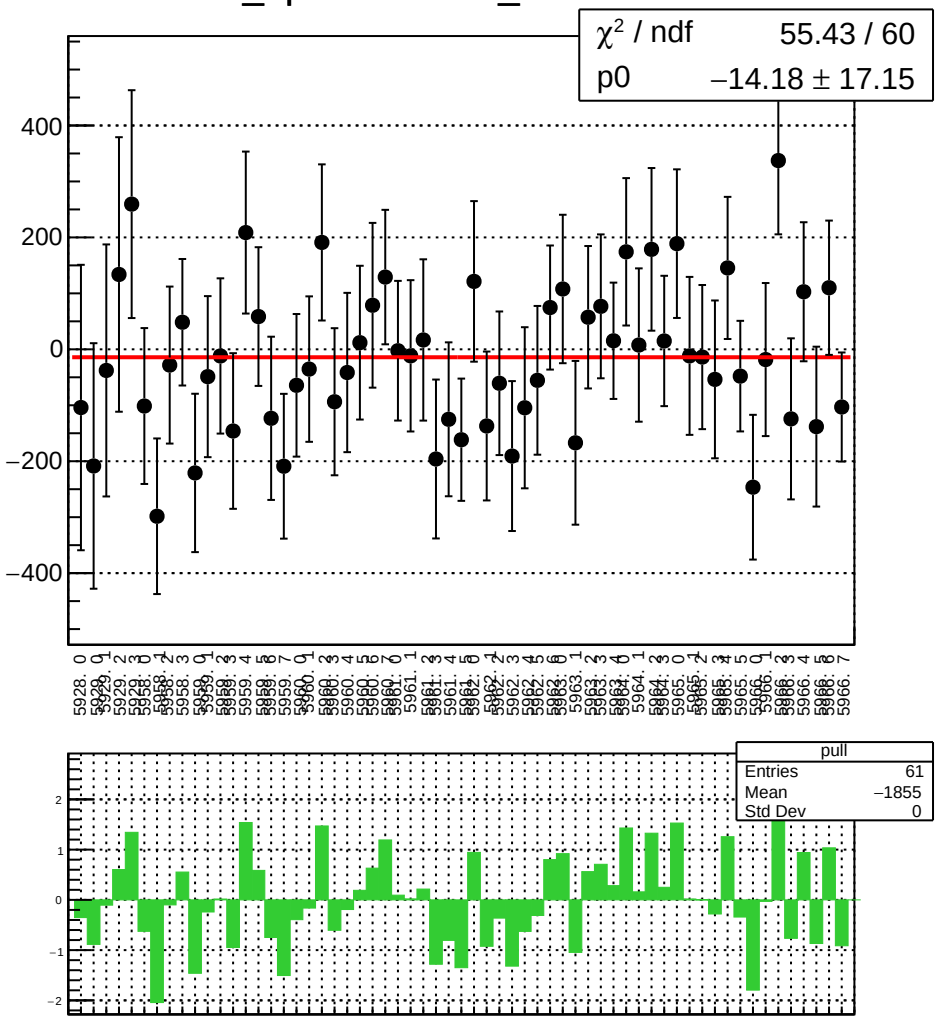

pull1D
Entries 61
Mean 0.008695
Std Dev 1.11

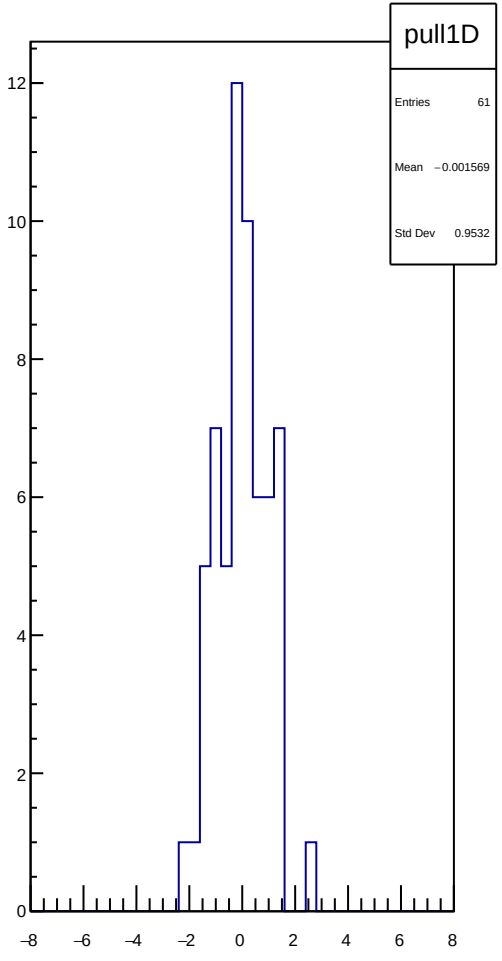

diff_bpm4aesumX_rms vs run
χ² / ndf 4510 / 60
p0 2.116e+04 ± 19.41
25000
24000
23000
22000
21000
20000
19000

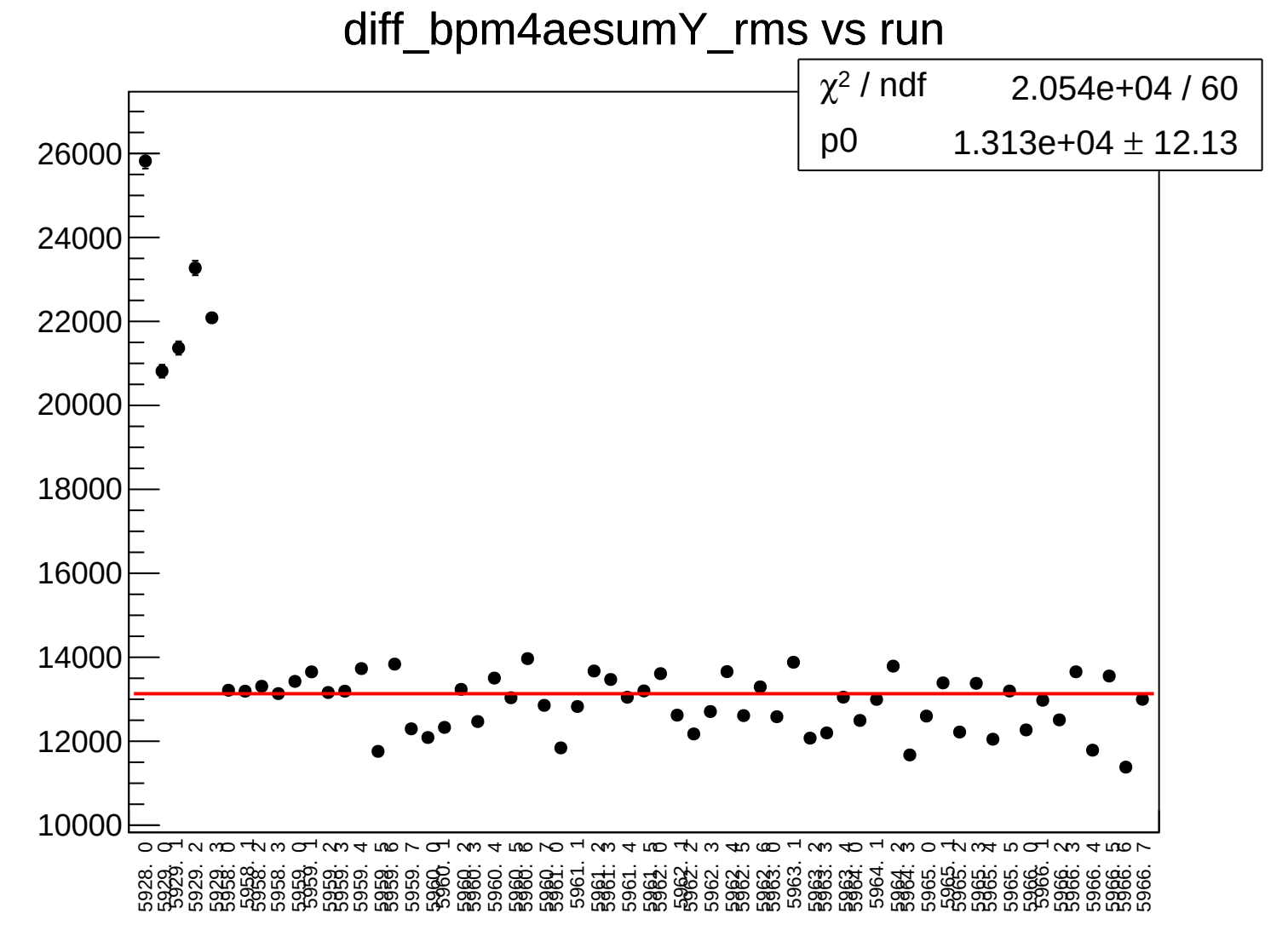

diff_bpm4aediffX_mean vs run
χ^2 / ndf 75.39 / 60
p0 16.11 ± 19.73
pull
Entries 61
Mean 179.9
Std Dev 0

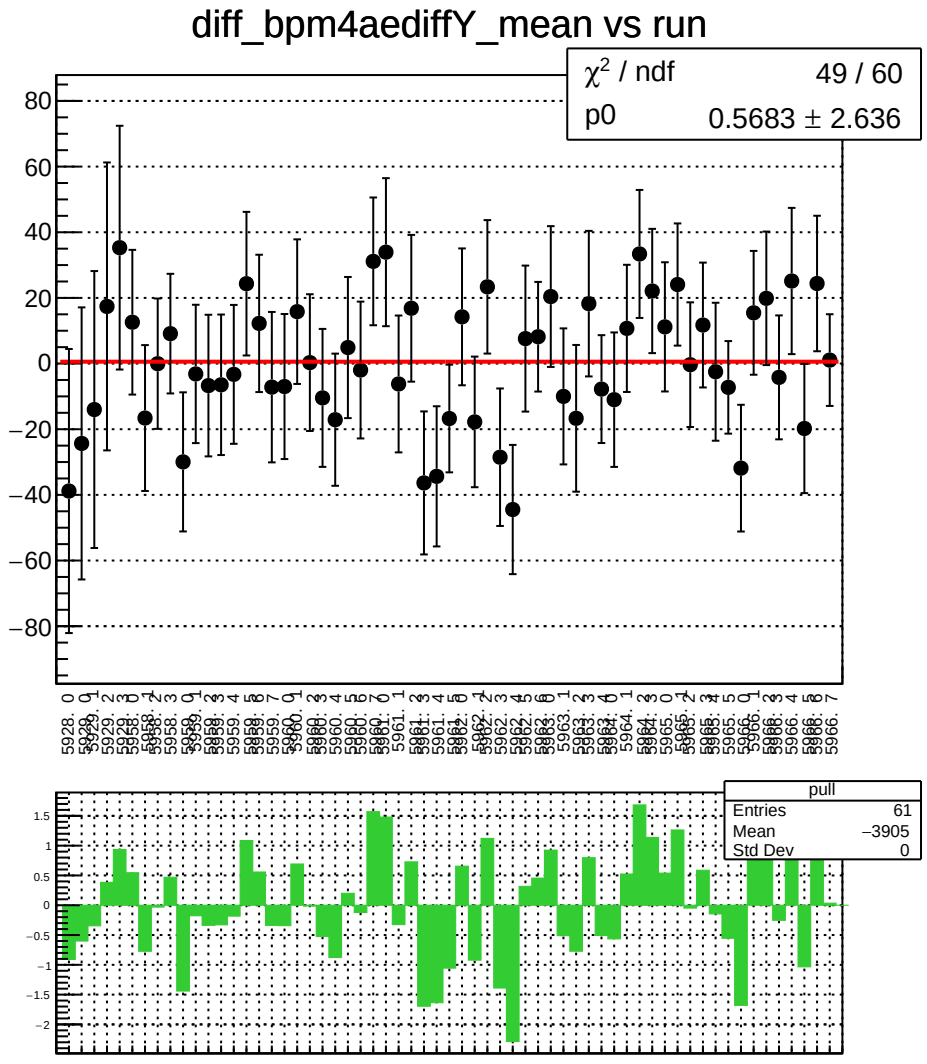

pull1D
Entries 61
Mean −0.0064
Std Dev 1.112

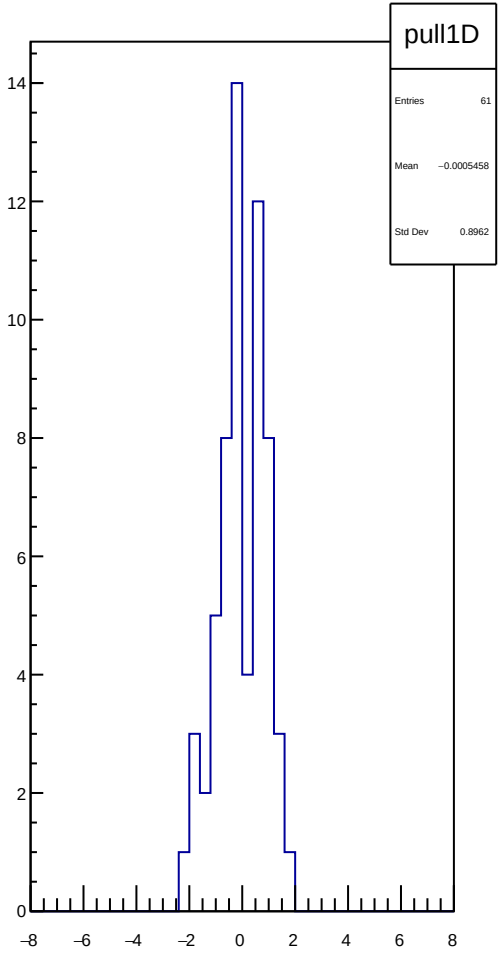

diff_bpm4aediffX_rms vs run
χ² / ndf 5640 / 60
p0 1.52e+04 ± 13.95
19000
18000
17000
16000
15000
14000

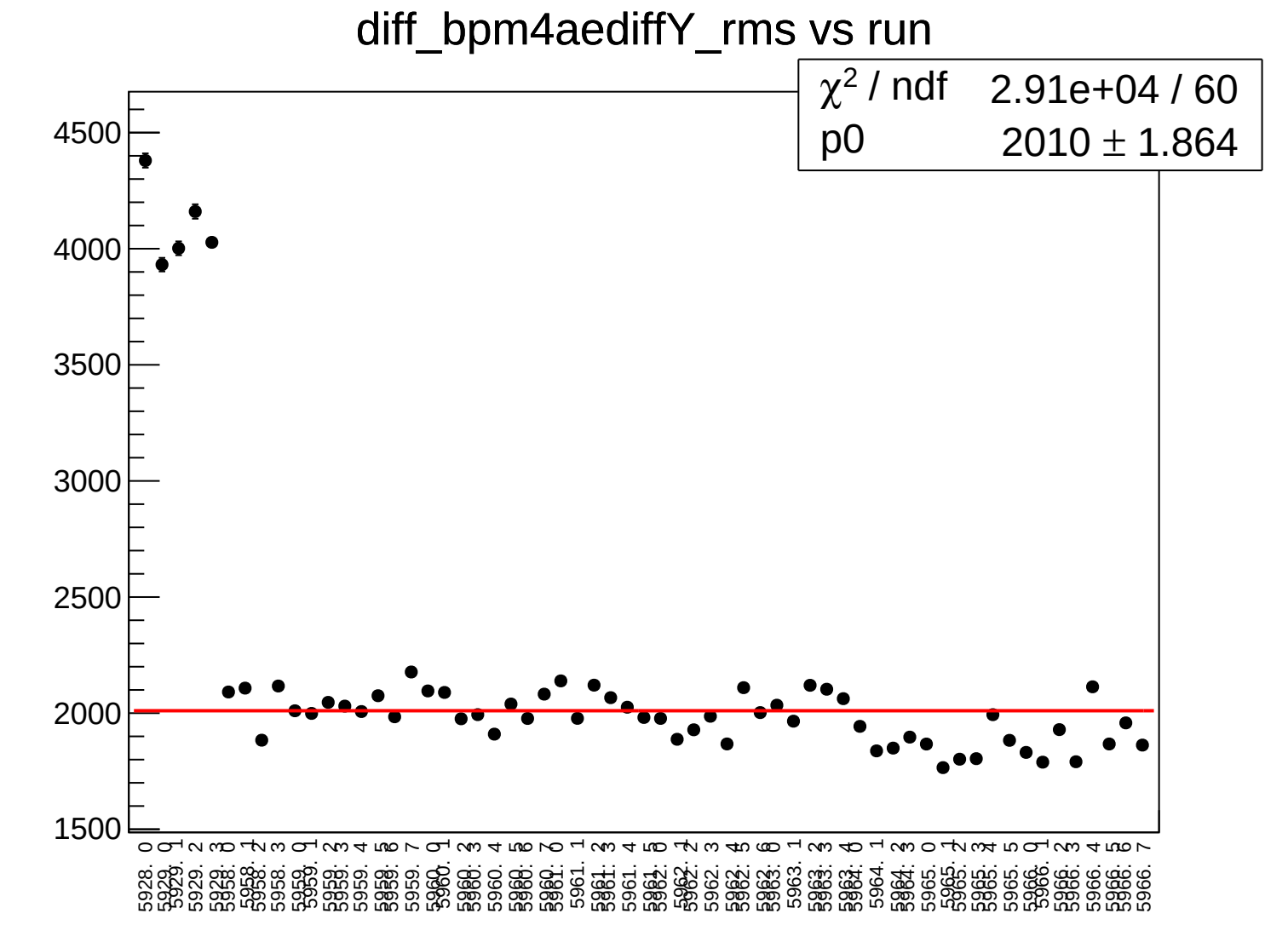

diff_bpm4aesumY_mean vs run
χ² / ndf 55.43 / 60
p0 −14.18 ± 17.15
400
200
0
−200
−400
pull
Entries 61
Mean −1855
Std Dev 0
2
1
0
−1
−2

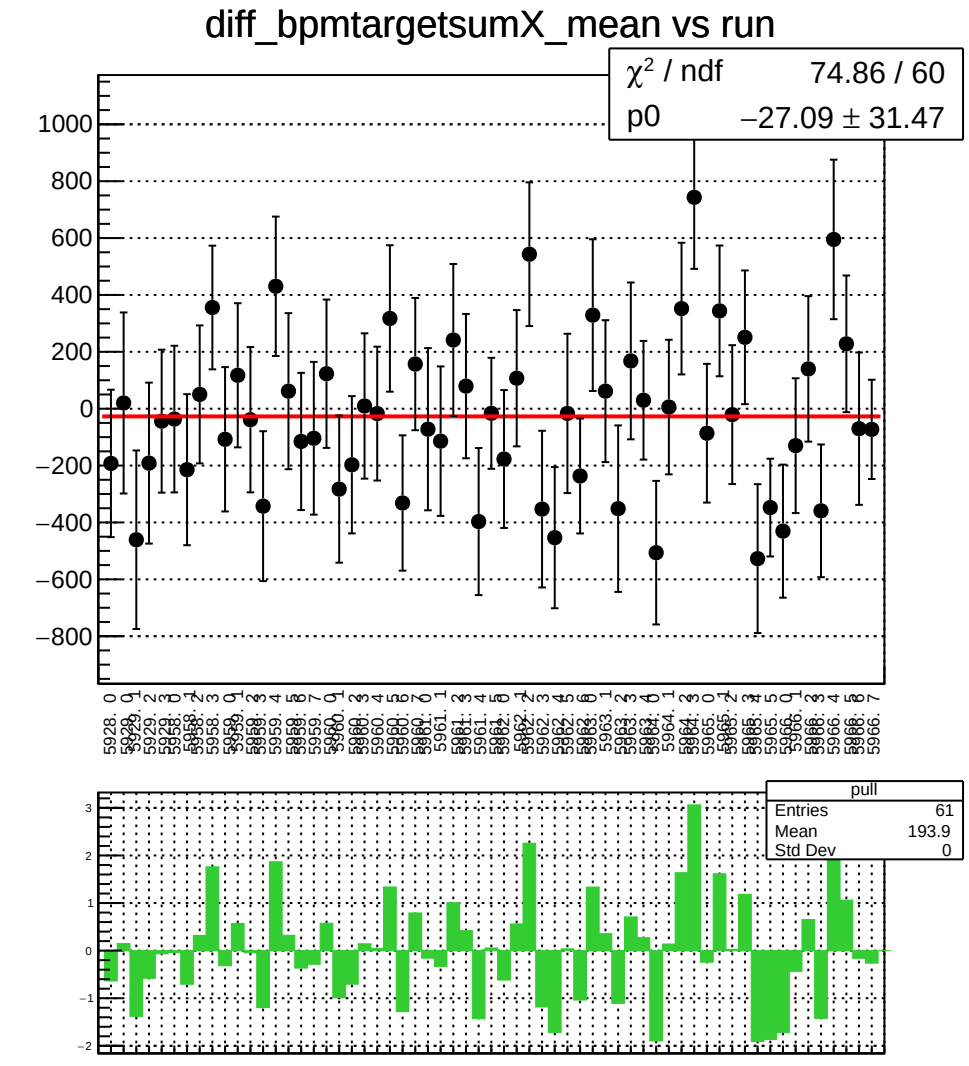

pull1D
Entries 61
Mean −0.001569
Std Dev 0.9532
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

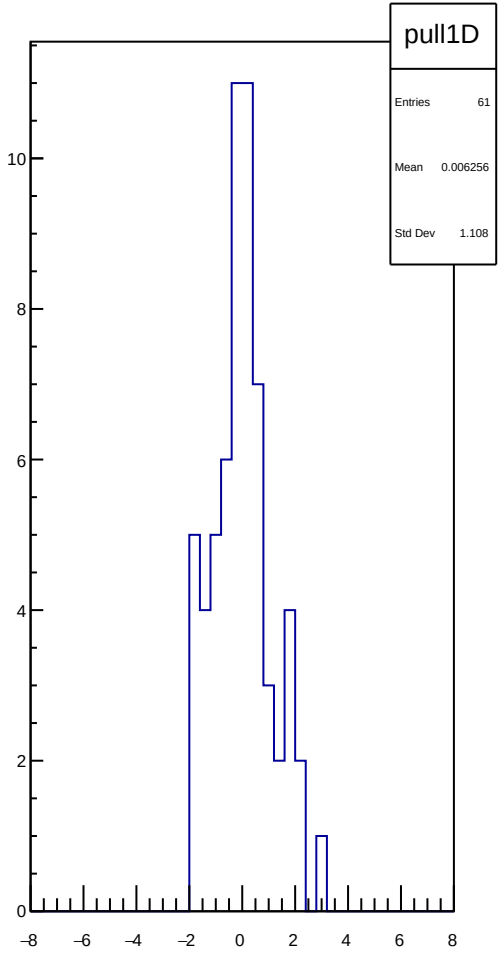

diff_bpm4aesumY_rms vs run
χ² / ndf 2.054e+04 / 60
p0 1.313e+04 ± 12.13
26000
24000
22000
20000
18000
16000
14000
12000
10000

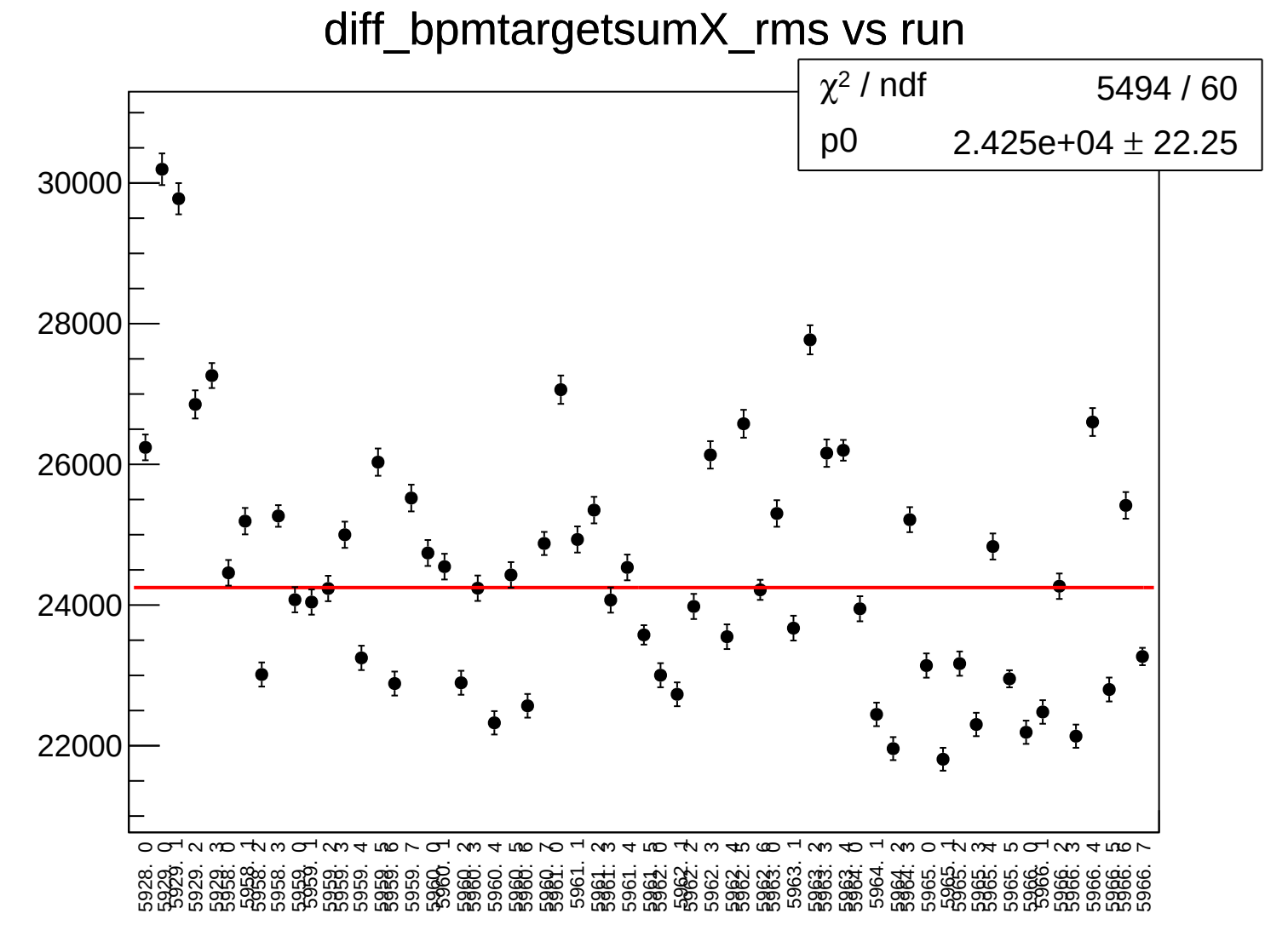

diff_bpm4aediffY_mean vs run
χ² / ndf 49 / 60
p0 0.5683 ± 2.636
pull
Entries 61
Mean −3905
Std Dev 0

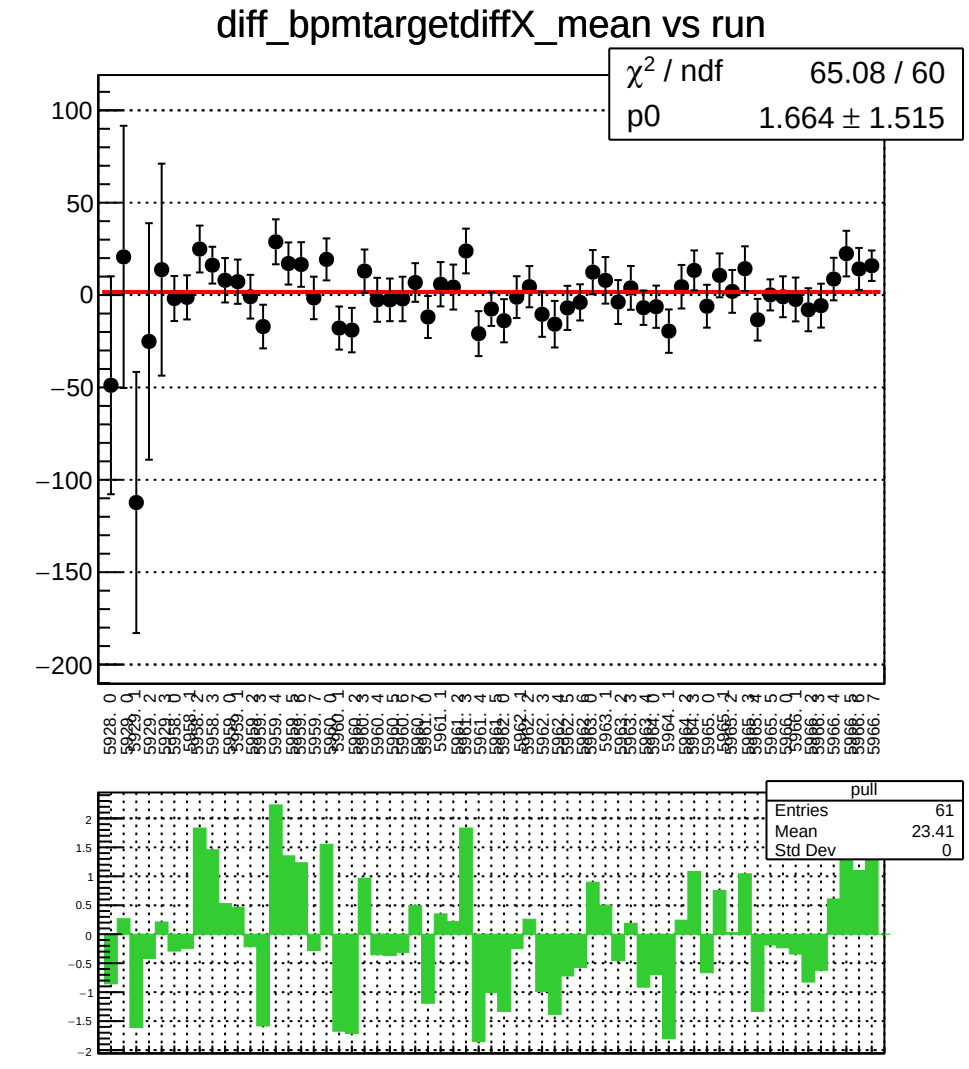

pull1D
Entries 61
Mean −0.0005458
Std Dev 0.8962

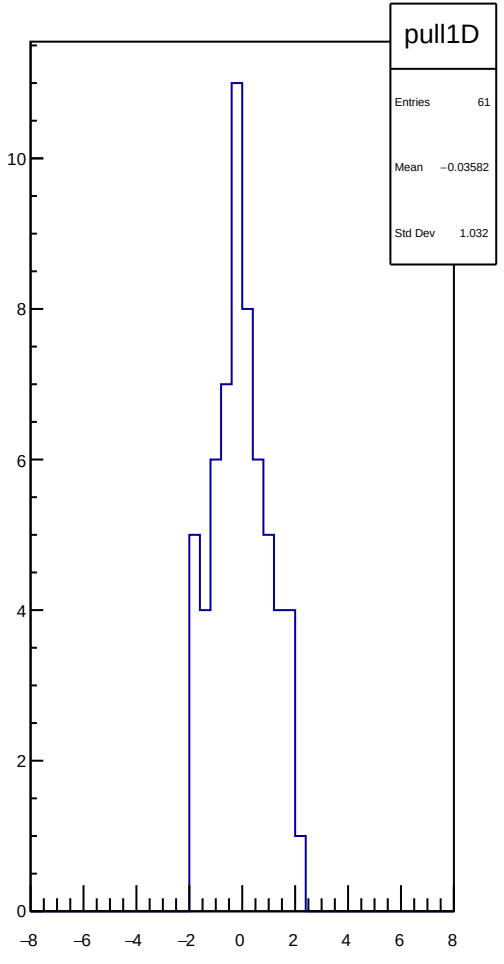

diff_bpm4aediffY_rms vs run
χ² / ndf 2.91e+04 / 60
p0 2010 ± 1.864
4500
4000
3500
3000
2500
2000
1500

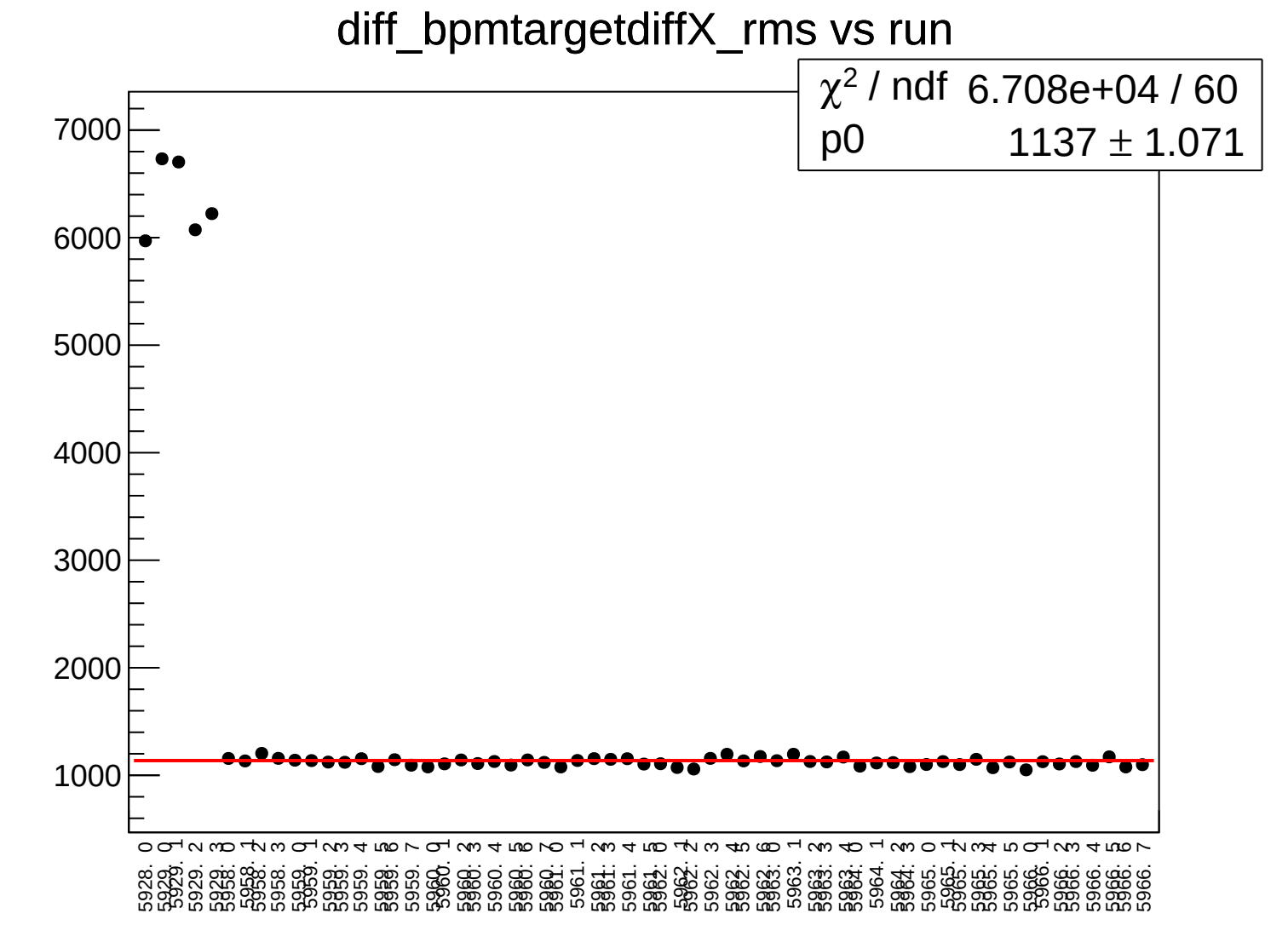

diff_bpmtargetsumX_mean vs run
χ² / ndf 74.86 / 60
p0 −27.09 ± 31.47
pull
Entries 61
Mean 193.9
Std Dev 0

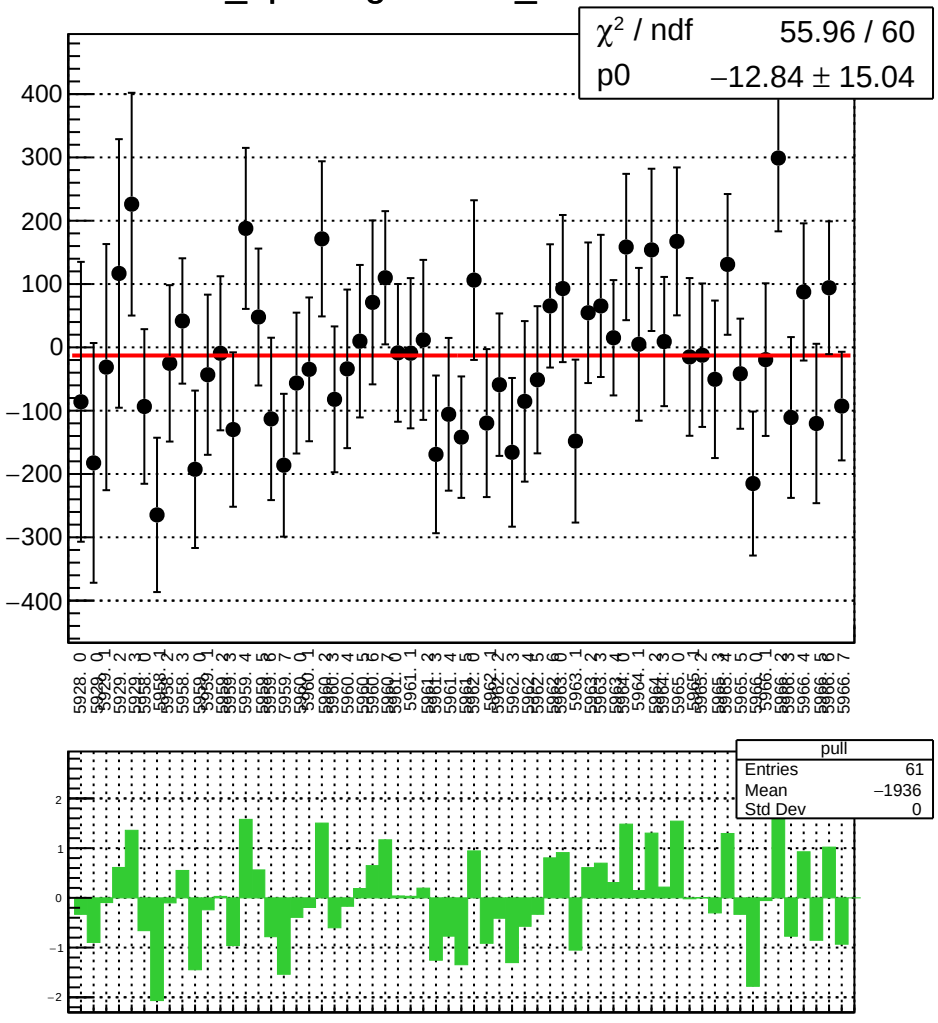

pull1D
Entries 61
Mean 0.006256
Std Dev 1.108

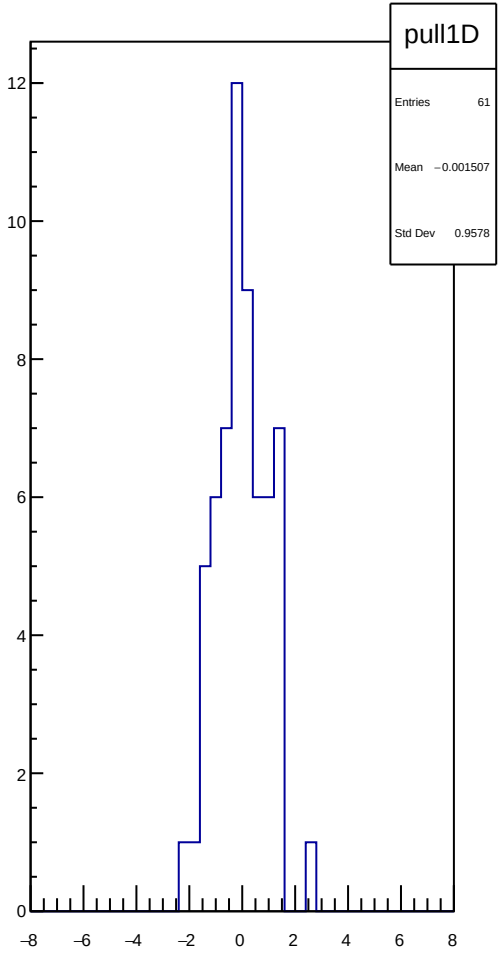

diff_bpmtargetsumX_rms vs run
χ² / ndf 5494 / 60
p0 2.425e+04 ± 22.25
30000
28000
26000
24000
22000

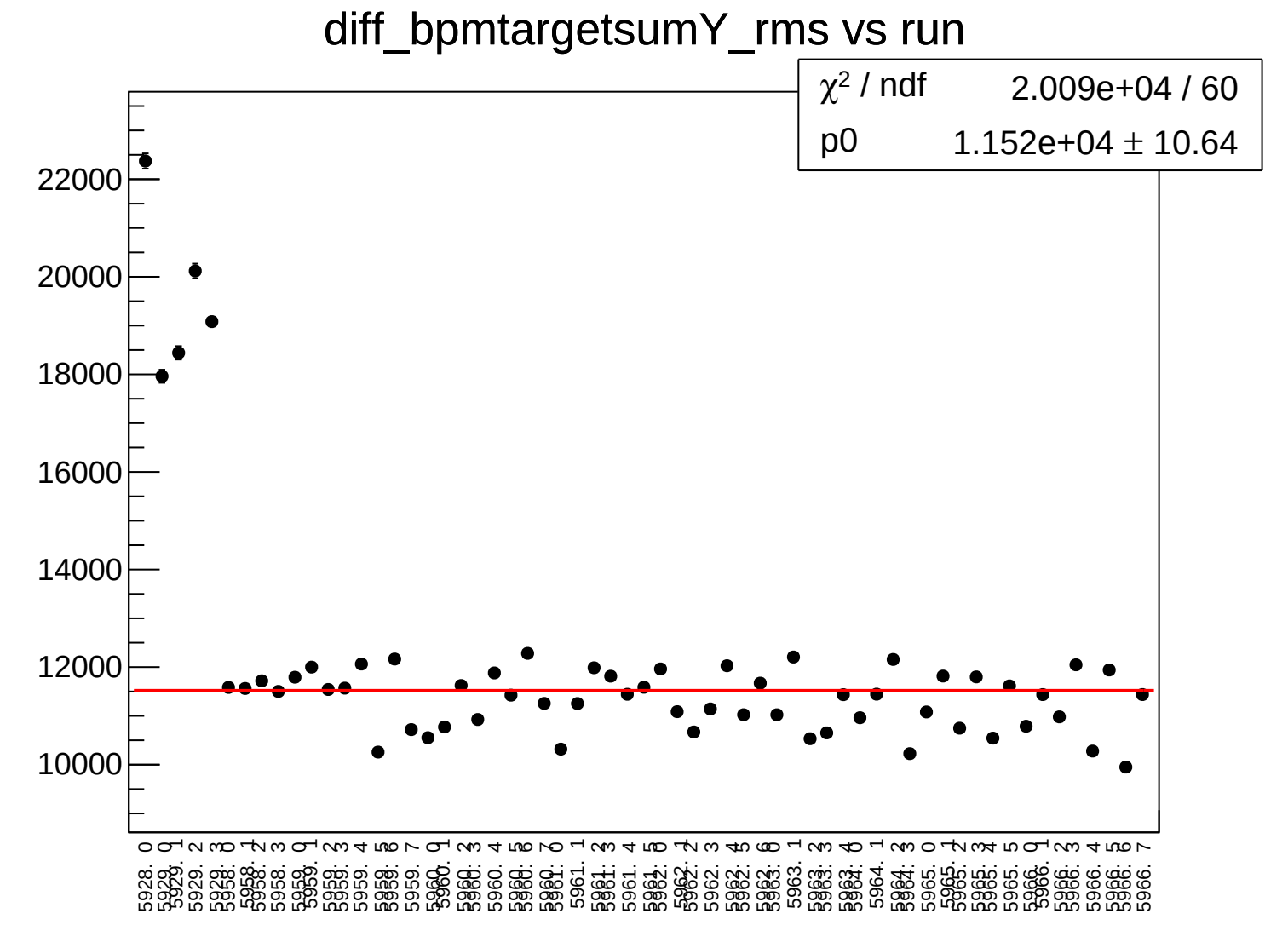

diff_bpmtargetdiffX_mean vs run
χ² / ndf 65.08 / 60
p0 1.664 ± 1.515
pull
Entries 61
Mean 23.41
Std Dev 0

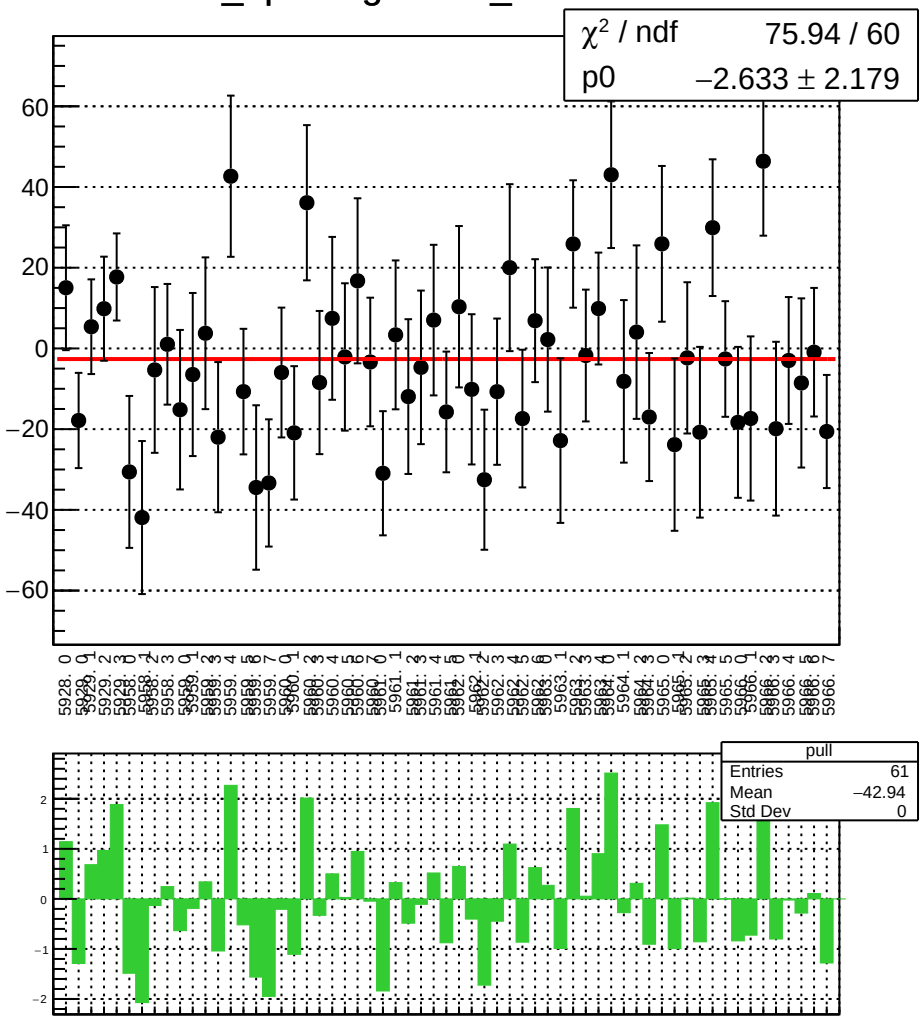

pull1D
Entries 61
Mean −0.03582
Std Dev 1.032

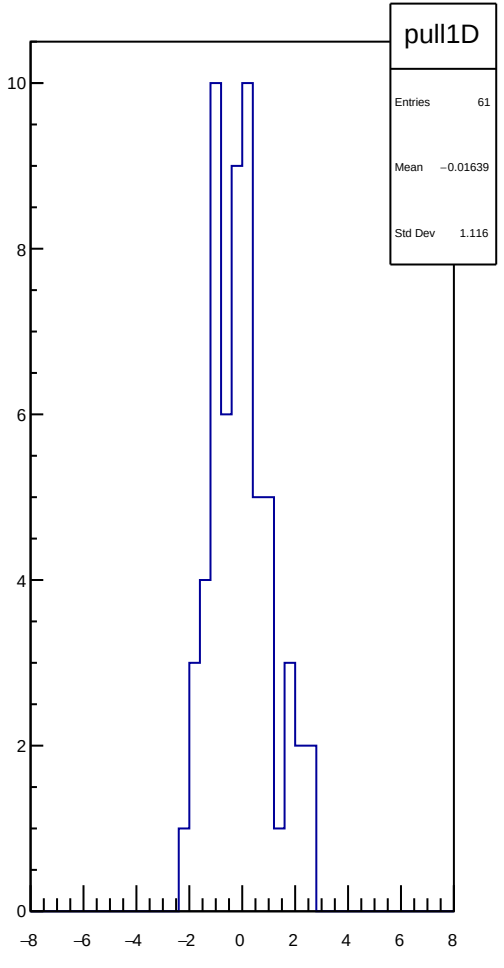

diff_bpmtargetdiffX_rms vs run
χ² / ndf 6.708e+04 / 60
p0 1137 ± 1.071
7000
6000
5000
4000
3000
2000
1000

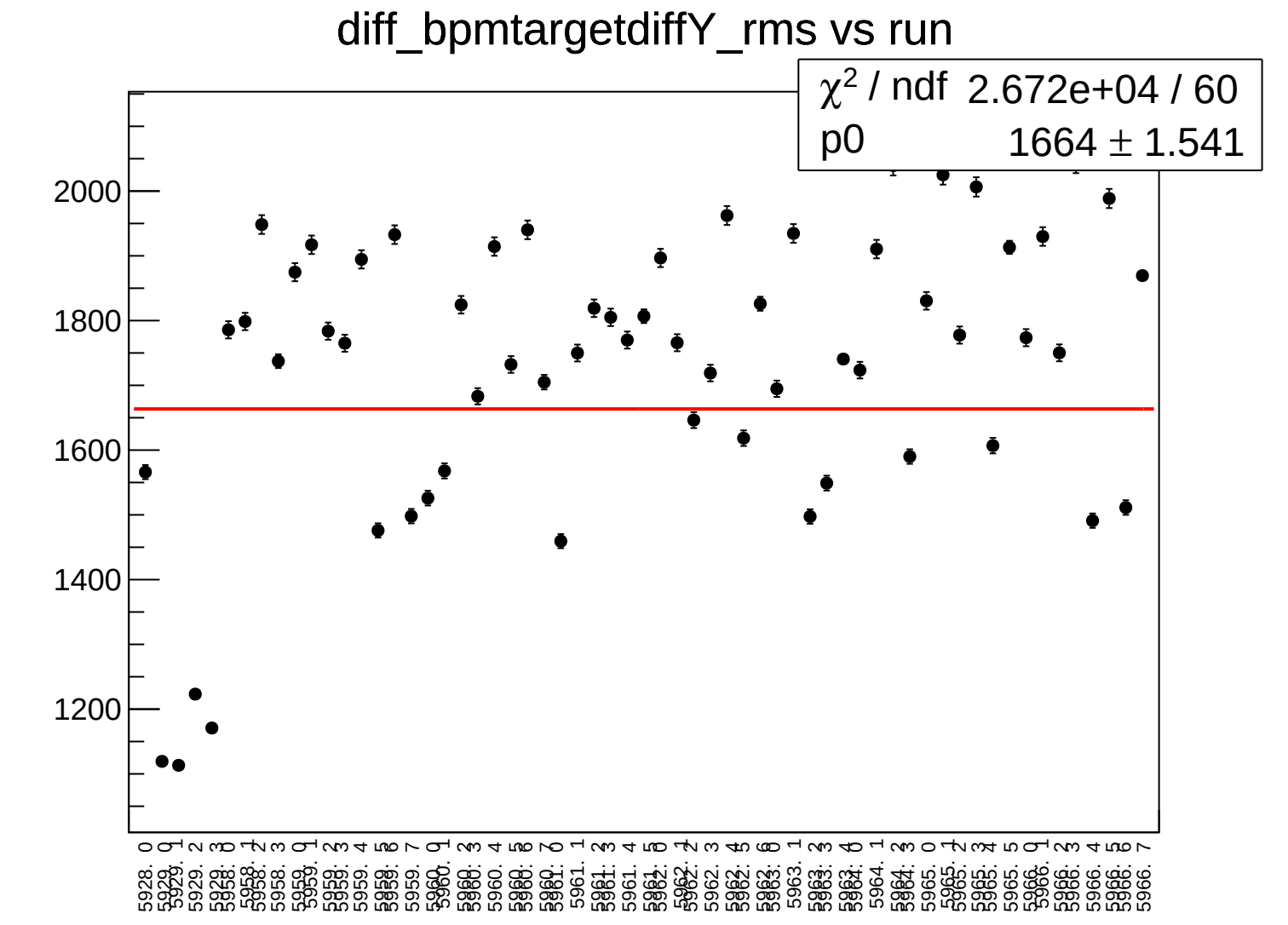

diff_bpmtargetsumY_mean vs run
χ² / ndf 55.96 / 60
p0 −12.84 ± 15.04
pull
Entries 61
Mean −1936
Std Dev 0

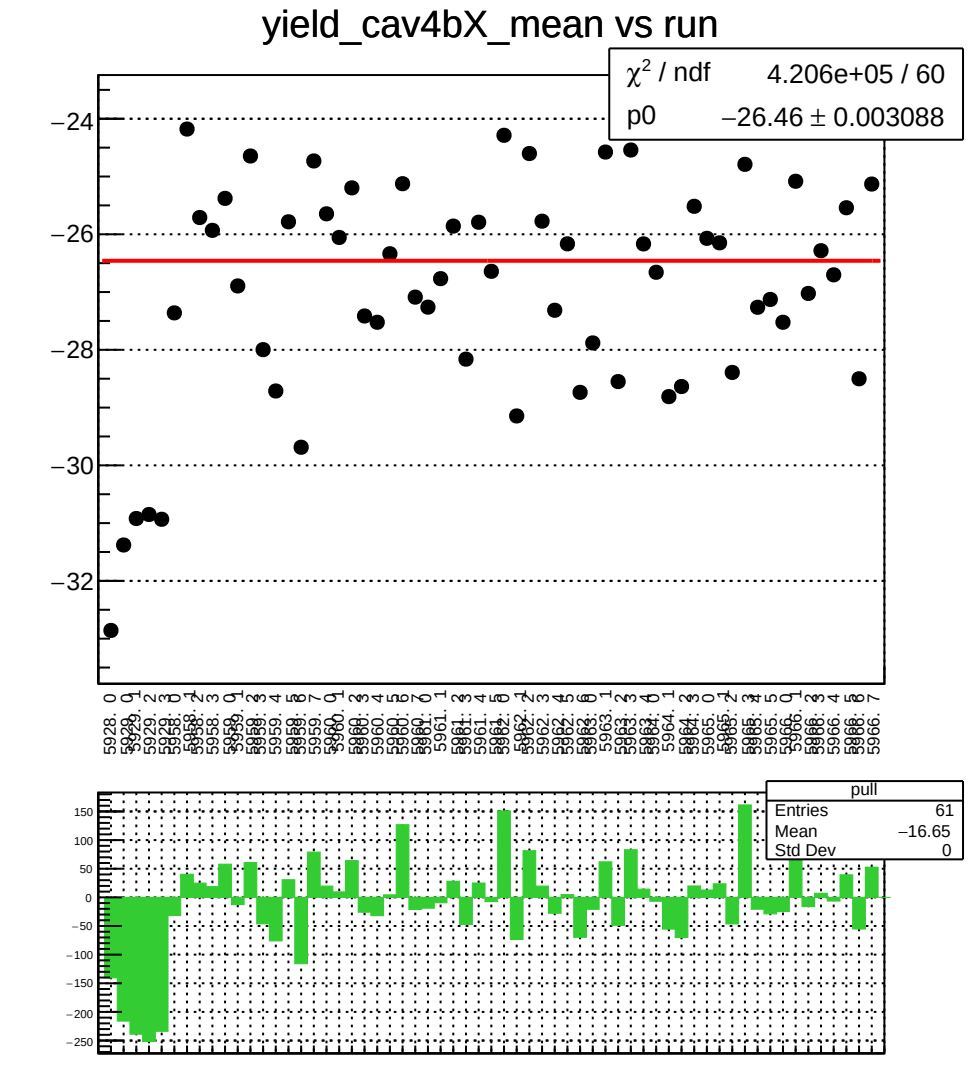

pull1D
Entries 61
Mean −0.001507
Std Dev 0.9578

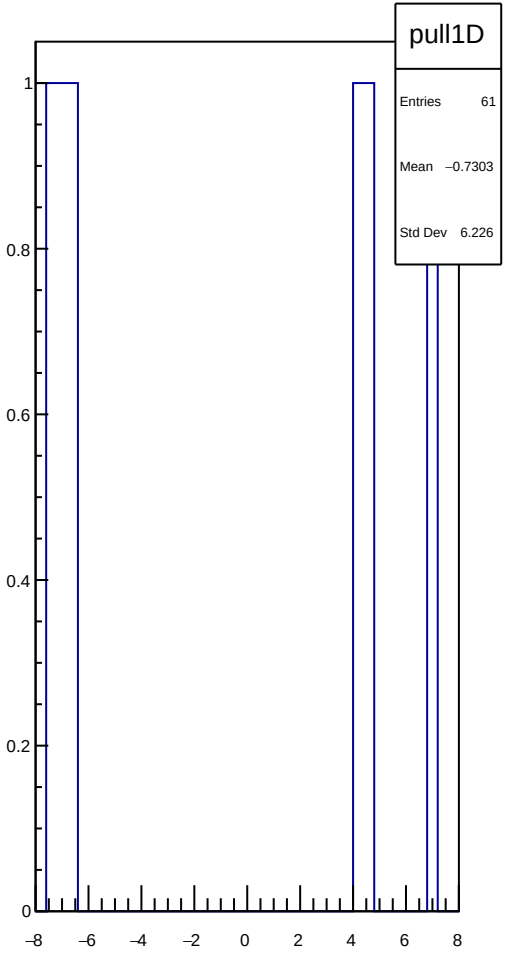

diff_bpmtargetsumY_rms vs run
χ² / ndf 2.009e+04 / 60
p0 1.152e+04 ± 10.64
22000
20000
18000
16000
14000
12000
10000

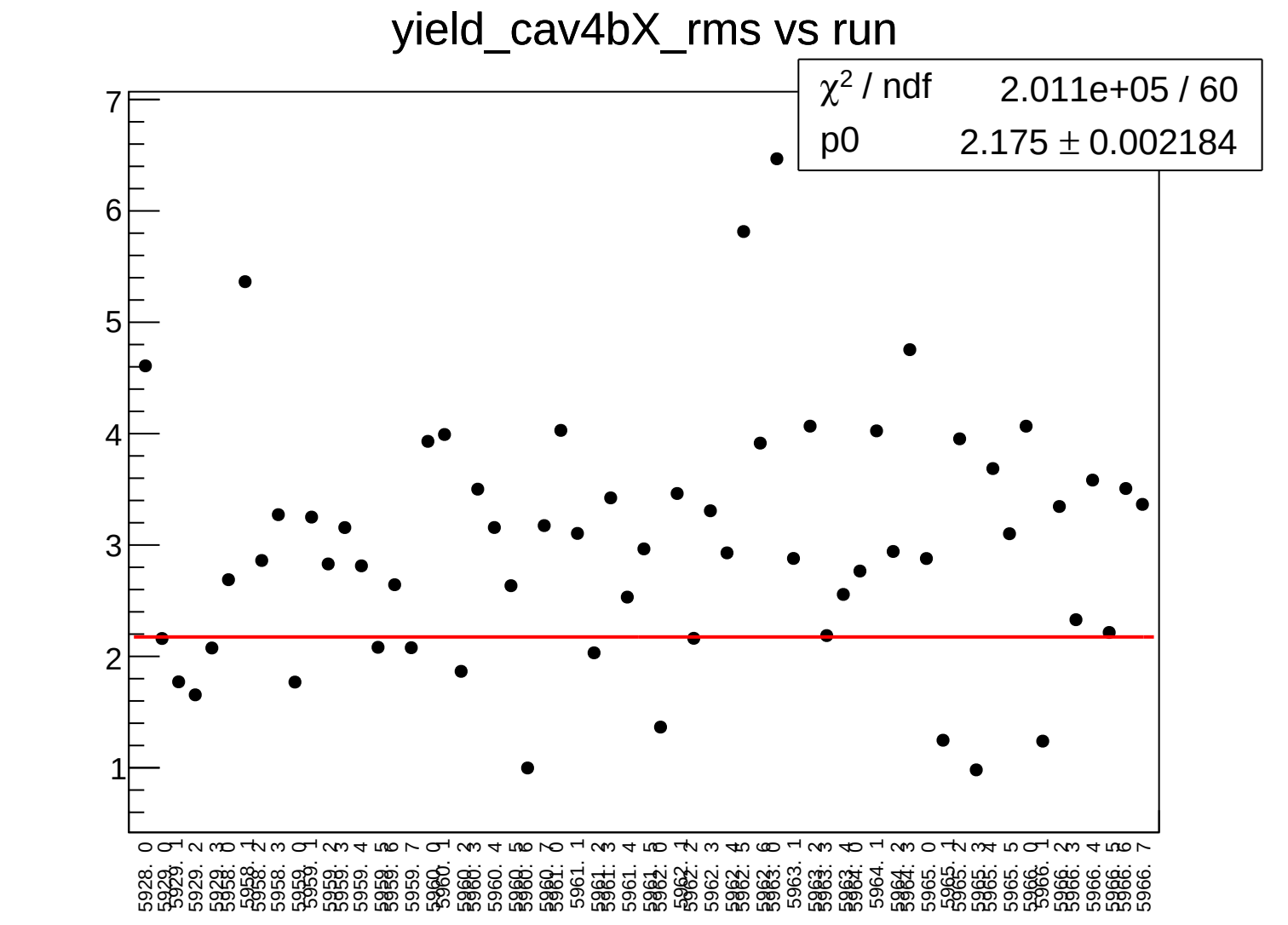

diff_bpmtargetdiffY_mean vs run
χ² / ndf 75.94 / 60
p0 −2.633 ± 2.179
pull
Entries 61
Mean −42.94
Std Dev 0

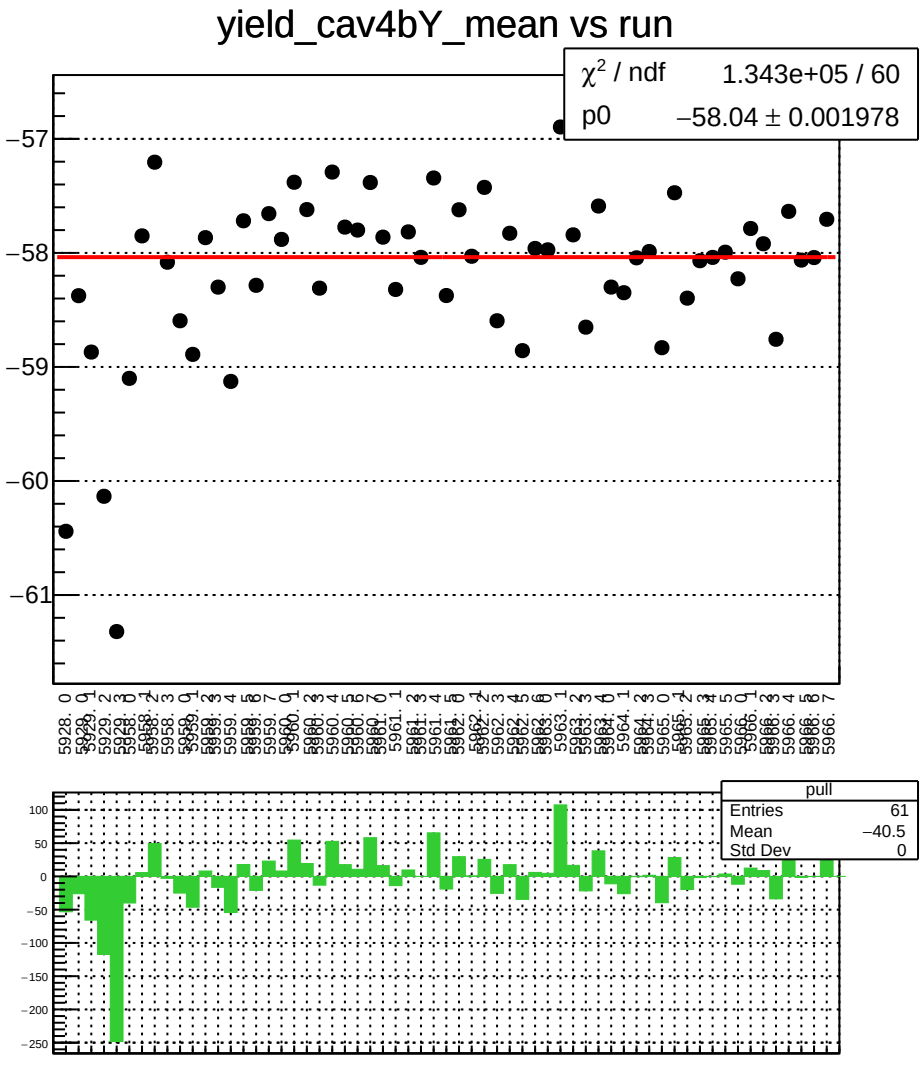

pull1D
Entries 61
Mean −0.01639
Std Dev 1.116

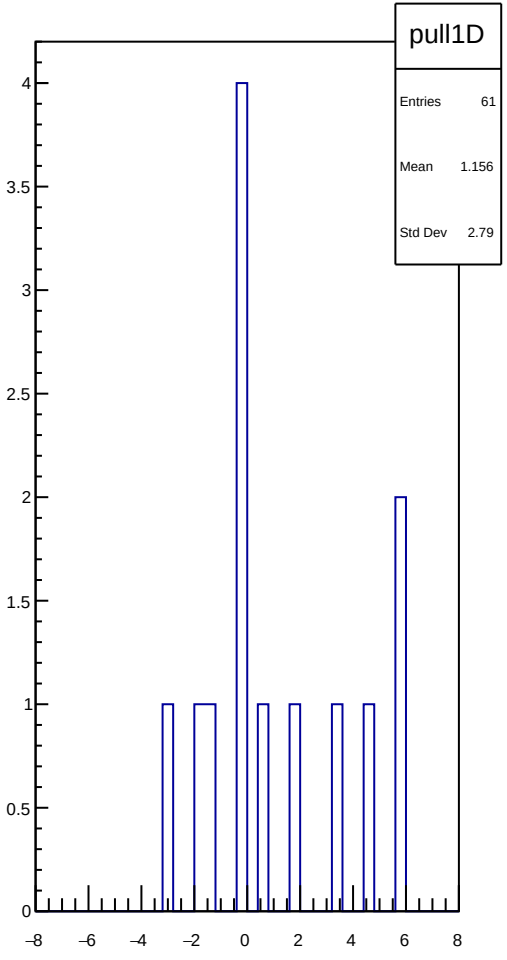

diff_bpmtargetdiffY_rms vs run
χ² / ndf 2.672e+04 / 60
p0 1664 ± 1.541
2000
1800
1600
1400
1200

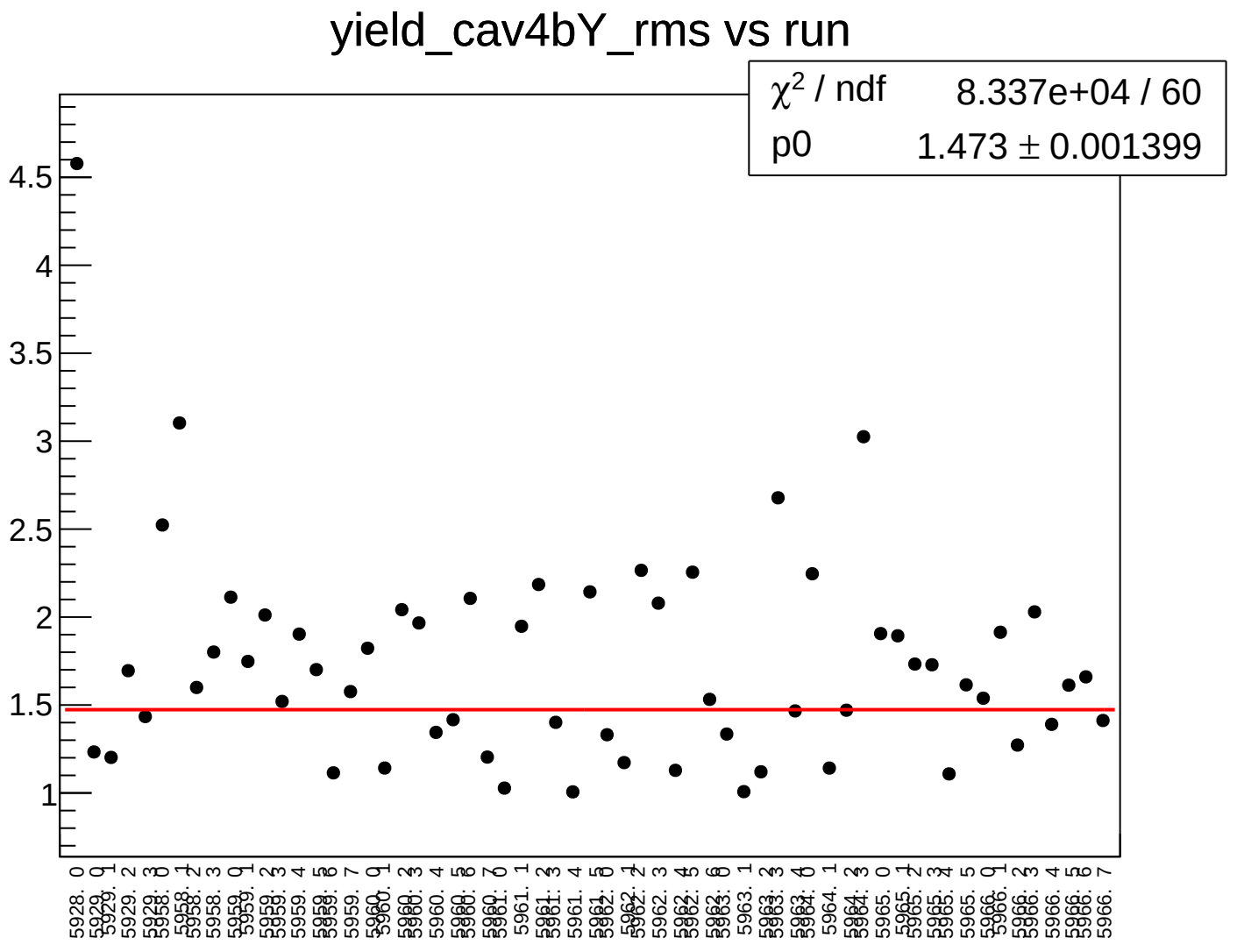

yield_cav4bX_mean vs run
χ² / ndf 4.206e+05 / 60
p0 −26.46 ± 0.003088
−24
−26
−28
−30
−32
pull
Entries 61
Mean −16.65
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

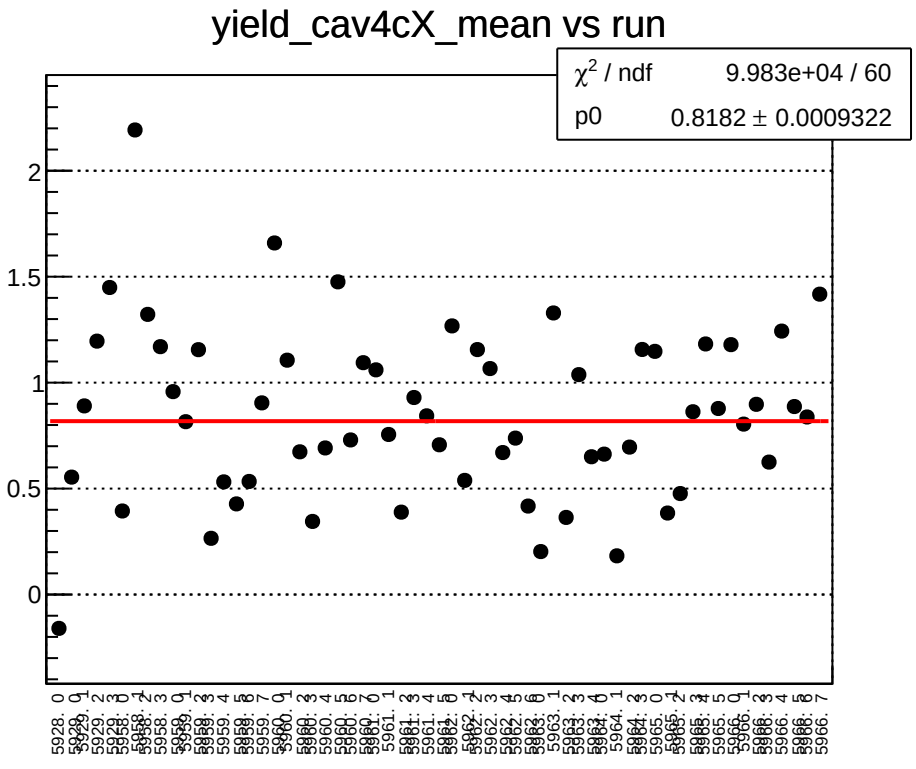

pull1D
Entries 61
Mean −0.7303
Std Dev 6.226
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

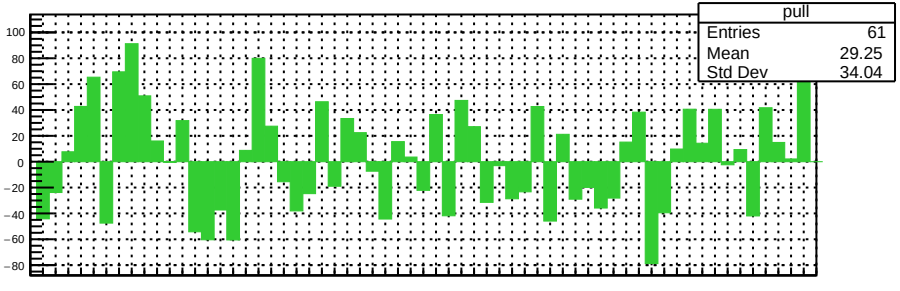

yield_cav4bX_rms vs run
χ^2 / ndf 2.011e+05 / 60
p0 2.175 ± 0.002184
7
6
5
4
3
2
1

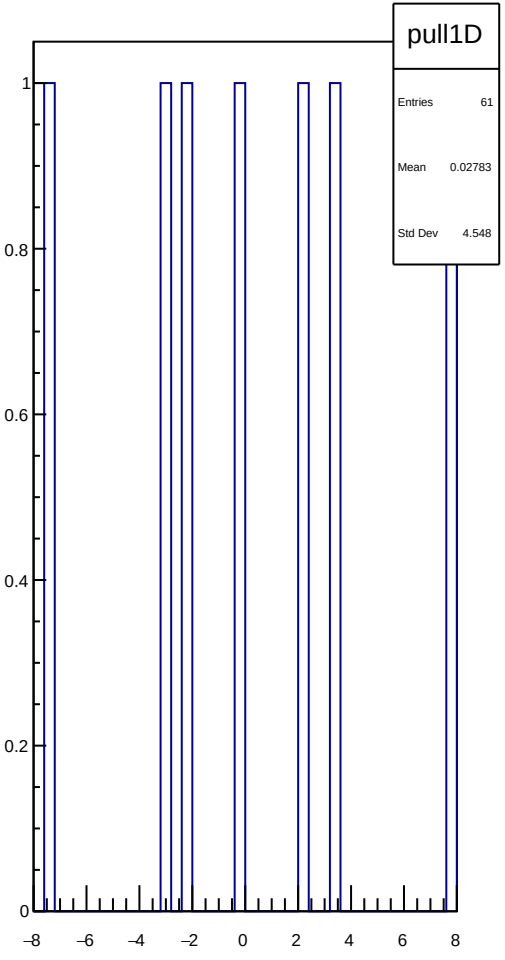

yield_cav4bY_mean vs run
χ² / ndf 1.343e+05 / 60
p0 −58.04 ± 0.001978
−57
−58
−59
−60
−61
pull
Entries 61
Mean −40.5
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

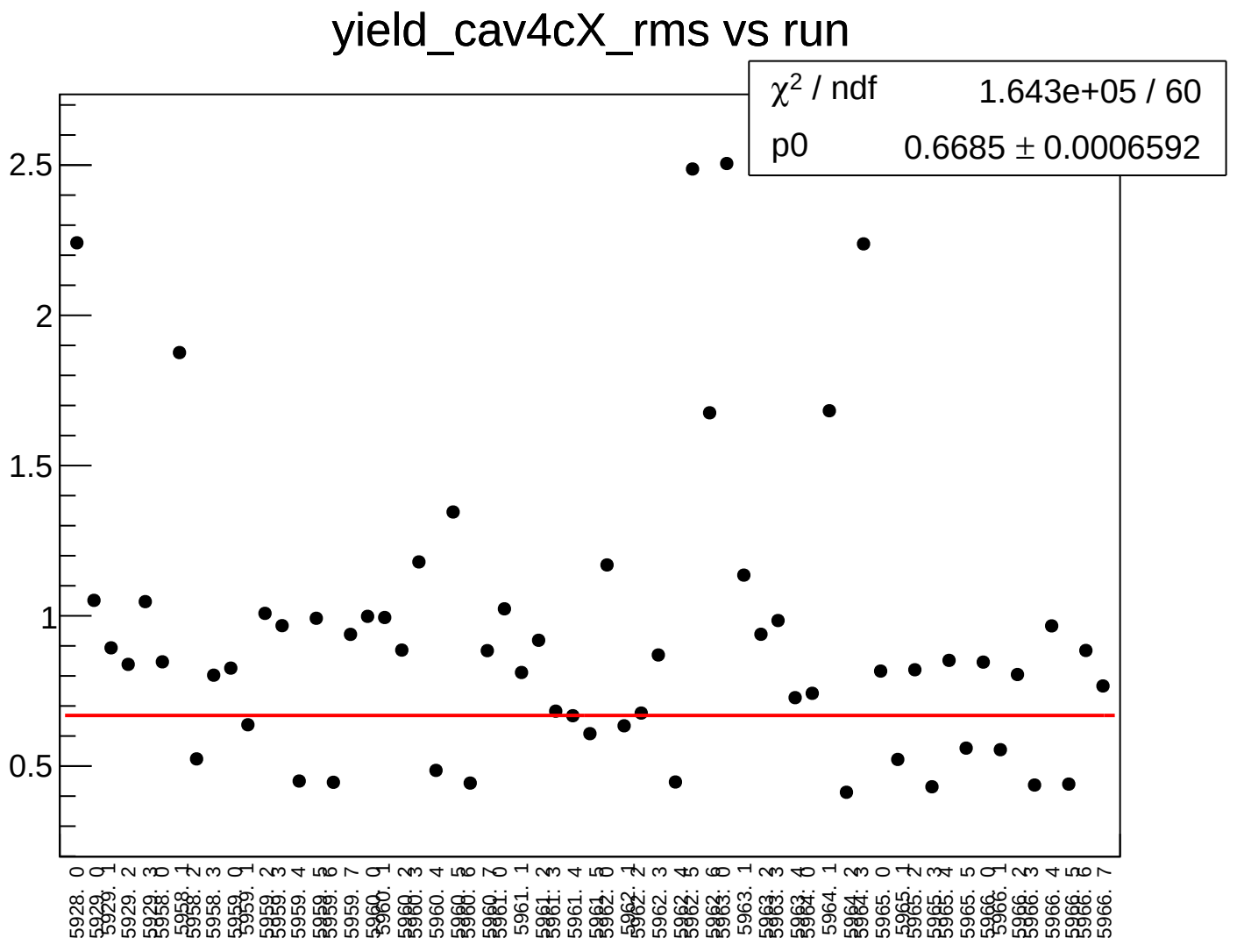

pull1D
Entries 61
Mean 1.156
Std Dev 2.79
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

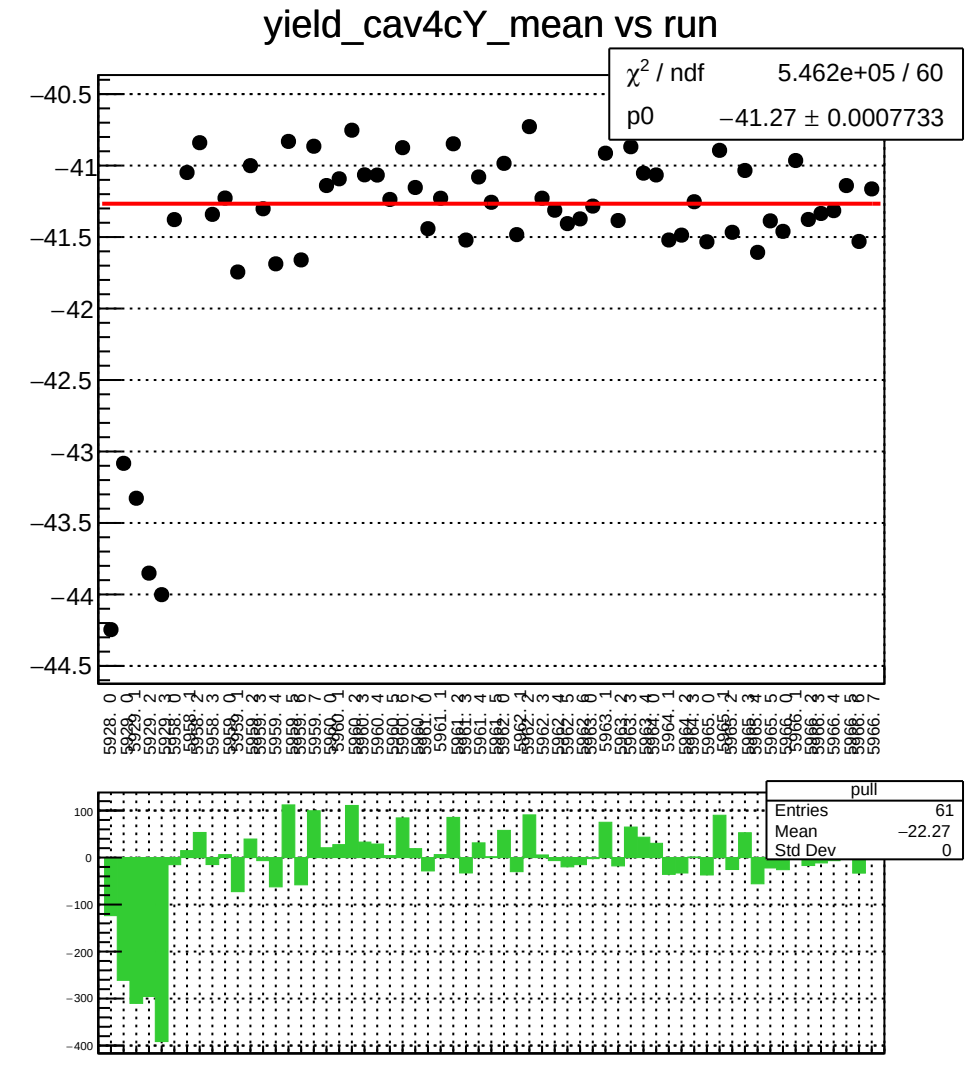

yield_cav4bY_rms vs run
χ² / ndf 8.337e+04 / 60
p0 1.473 ± 0.001399
4.5
4
3.5
3
2.5
2
1.5
1

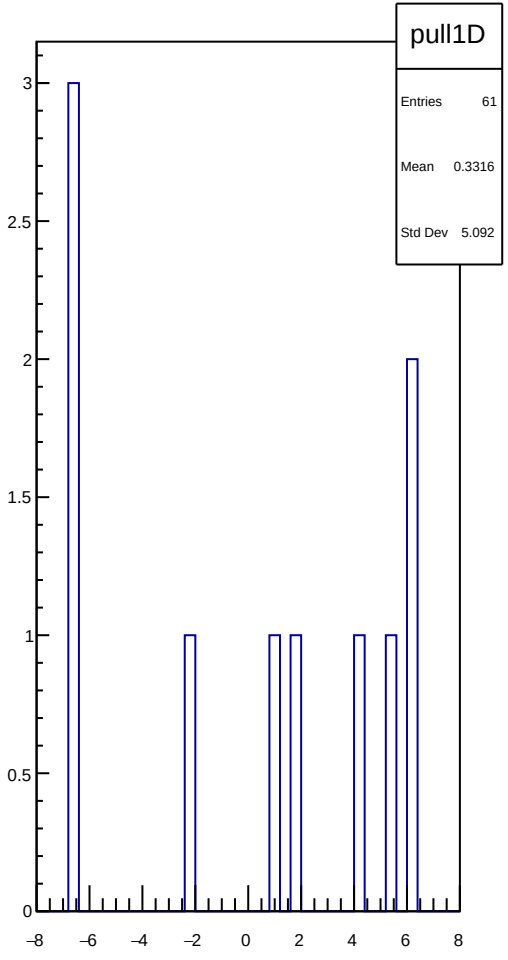

yield_cav4cX_mean vs run
χ² / ndf 9.983e+04 / 60
p0 0.8182 ± 0.0009322

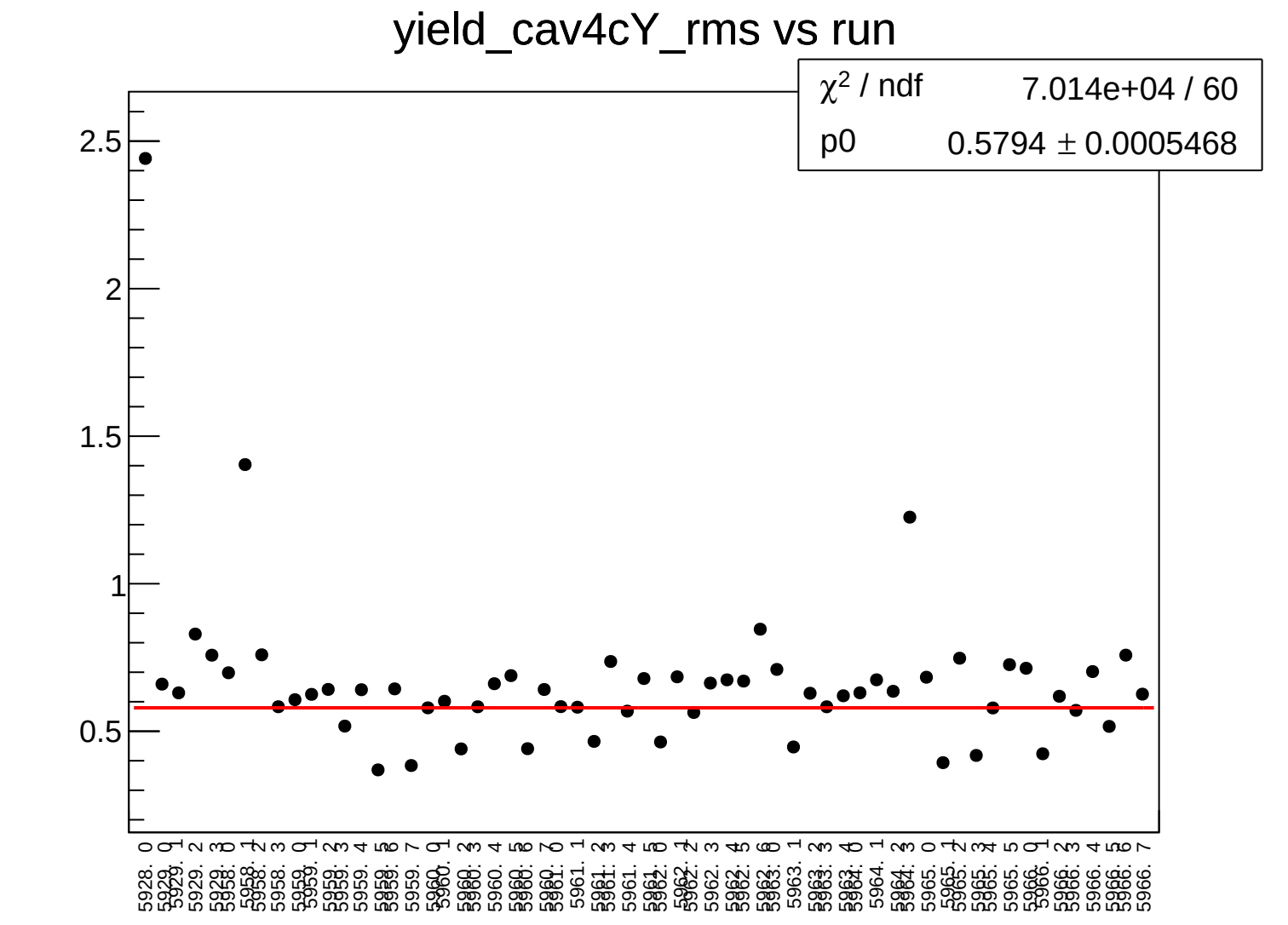

pull
Entries 61
Mean 29.25
Std Dev 34.04

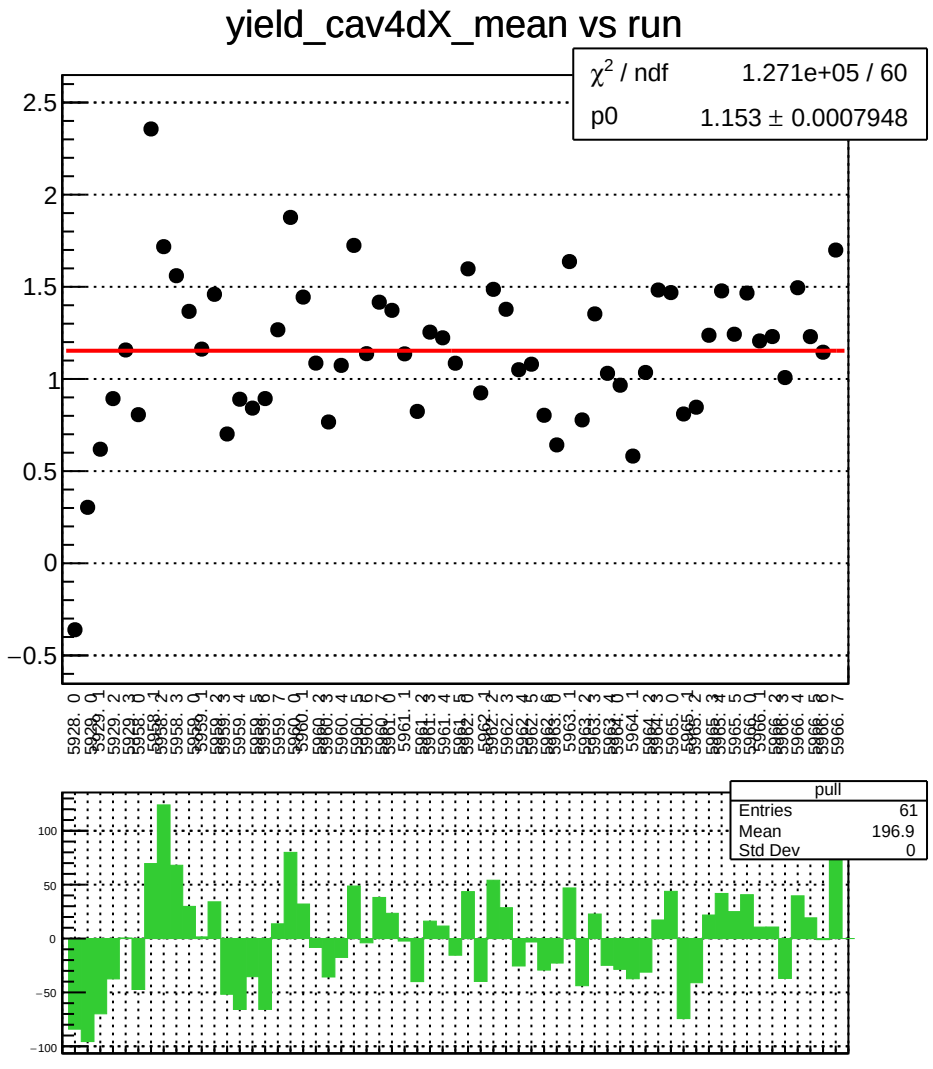

pull1D
Entries 61
Mean 0.02783
Std Dev 4.548

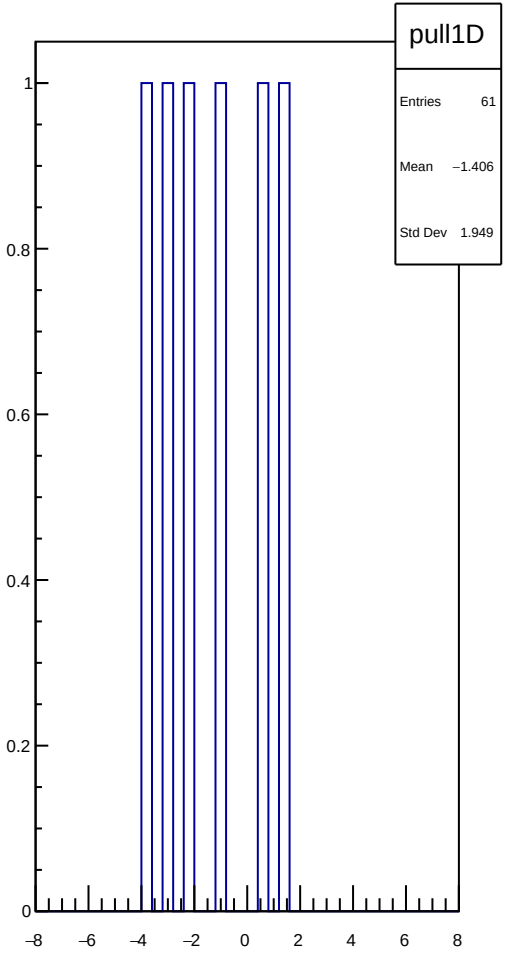

yield_cav4cX_rms vs run
χ² / ndf 1.643e+05 / 60
p0 0.6685 ± 0.0006592
2.5
2
1.5
1
0.5

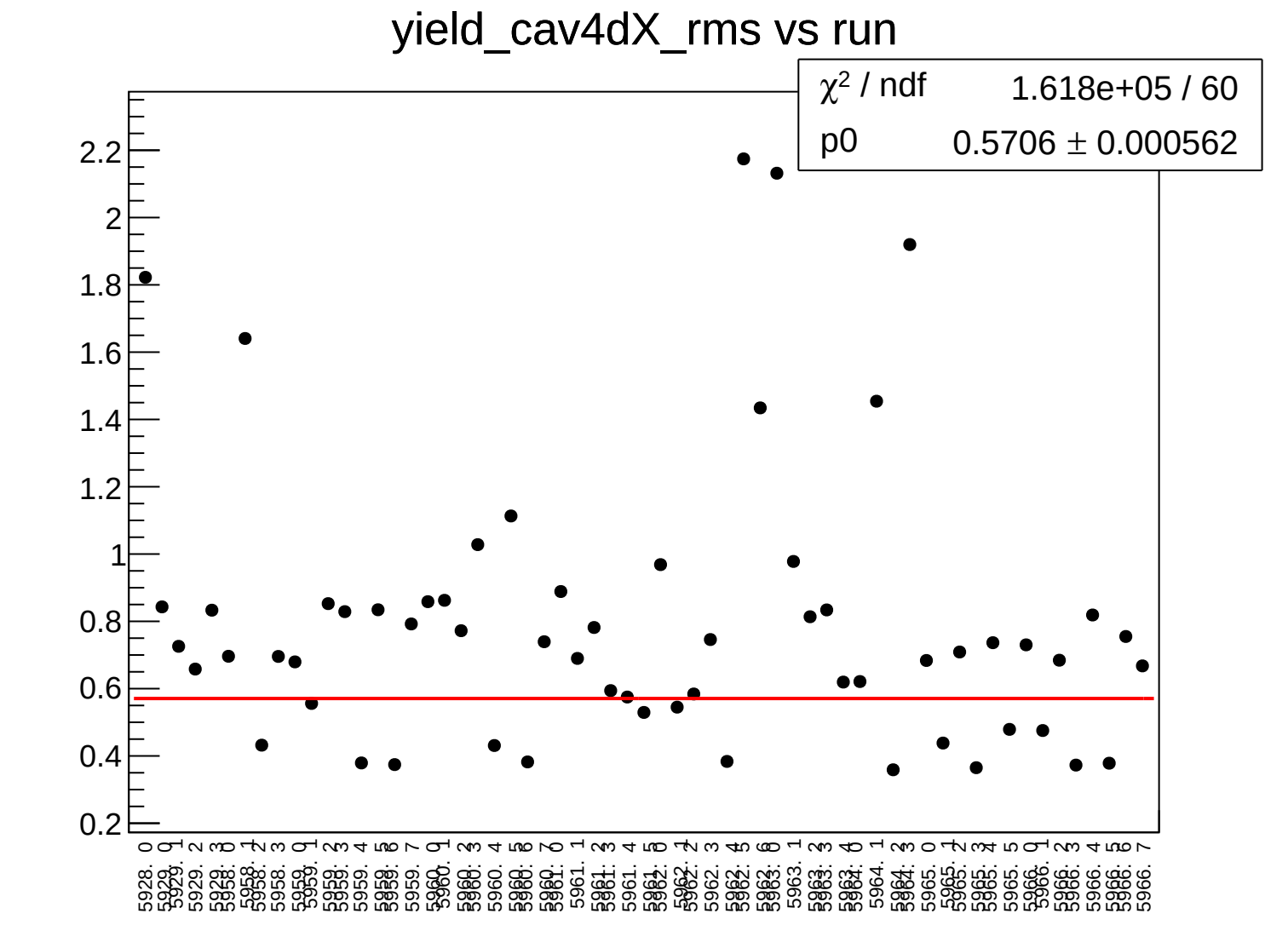

yield_cav4cY_mean vs run
χ² / ndf 5.462e+05 / 60
p0 −41.27 ± 0.0007733
pull
Entries 61
Mean −22.27
Std Dev 0

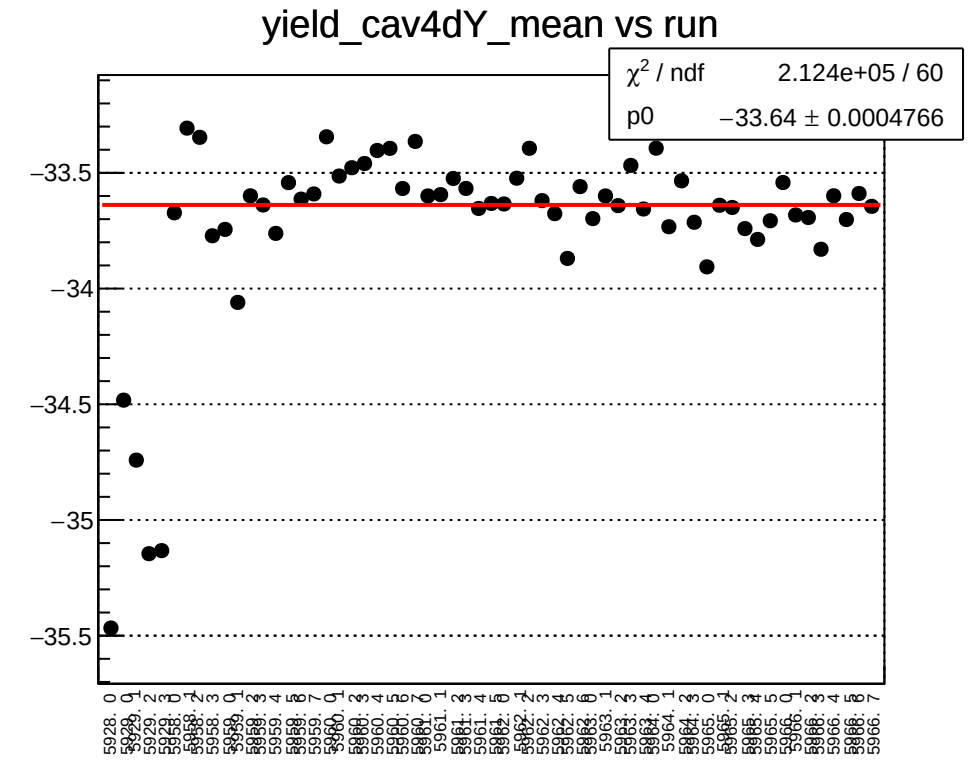

pull1D
Entries 61
Mean 0.3316
Std Dev 5.092

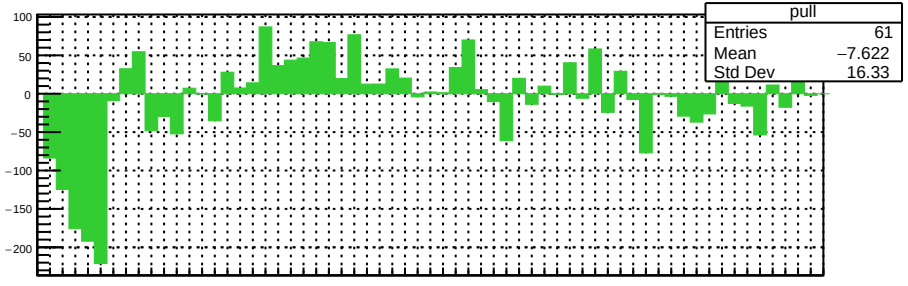

yield_cav4cY_rms vs run
χ² / ndf 7.014e+04 / 60
p0 0.5794 ± 0.0005468
2.5
2
1.5
1
0.5

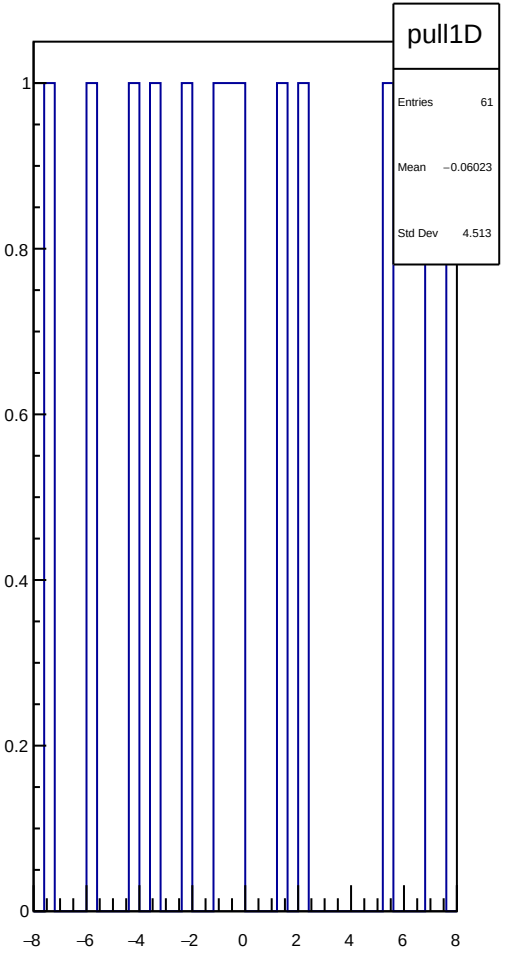

yield_cav4dX_mean vs run
χ² / ndf 1.271e+05 / 60
p0 1.153 ± 0.0007948
pull
Entries 61
Mean 196.9
Std Dev 0

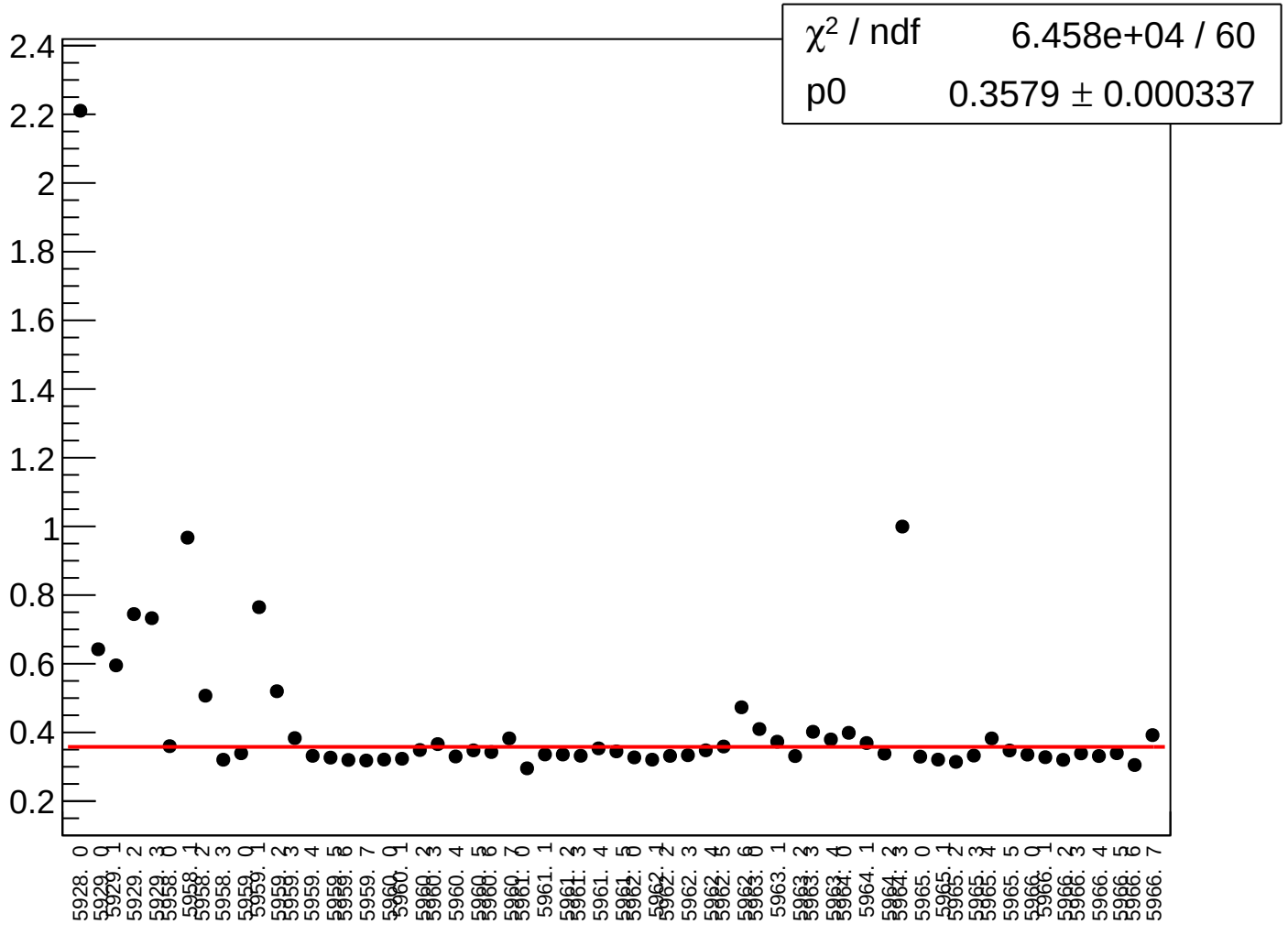

pull1D
Entries 61
Mean −1.406
Std Dev 1.949

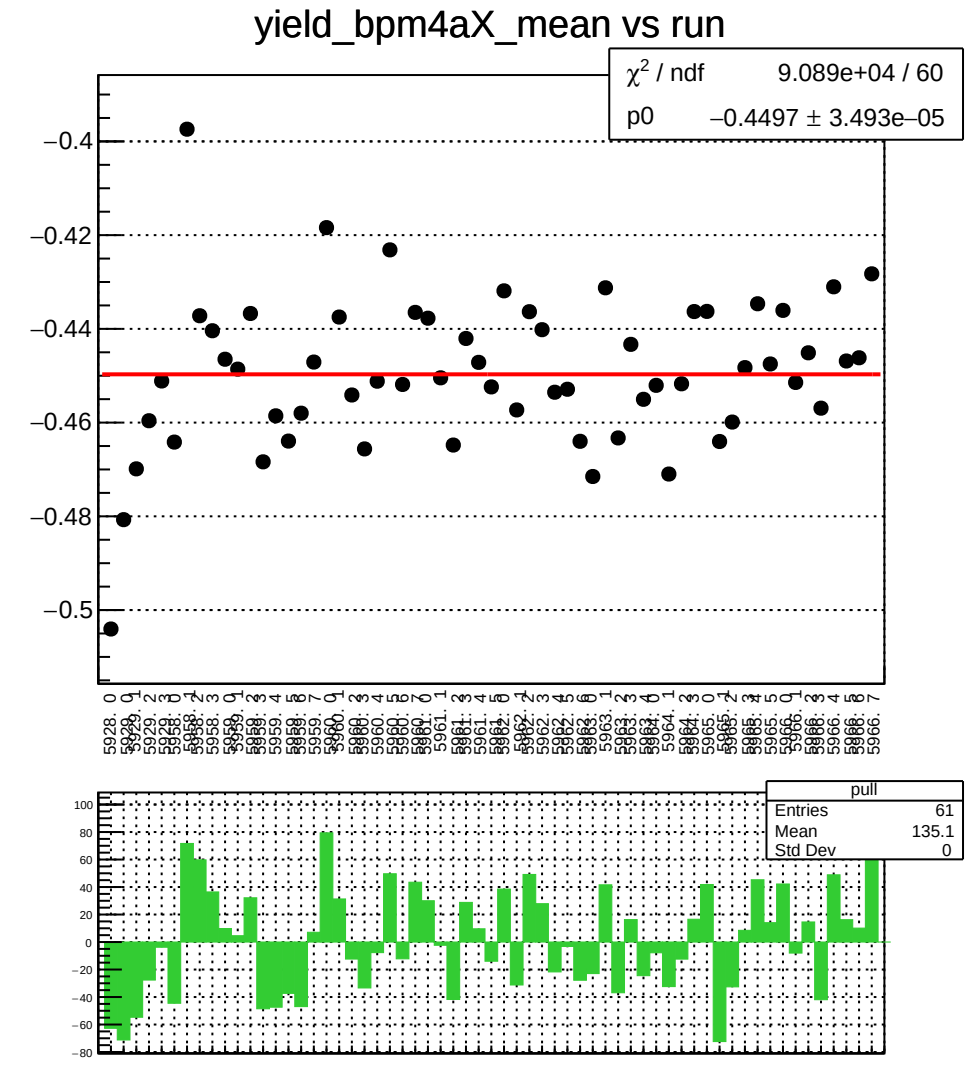

yield_cav4dX_rms vs run
χ² / ndf 1.618e+05 / 60
p0 0.5706 ± 0.000562
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

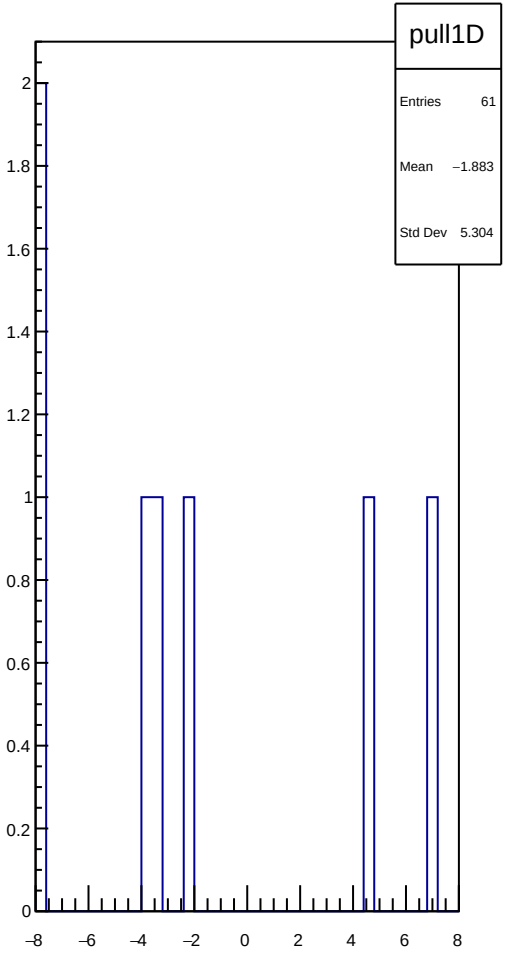

yield_cav4dY_mean vs run
χ² / ndf 2.124e+05 / 60
p0 −33.64 ± 0.0004766
−33.5
−34
−34.5
−35
−35.5

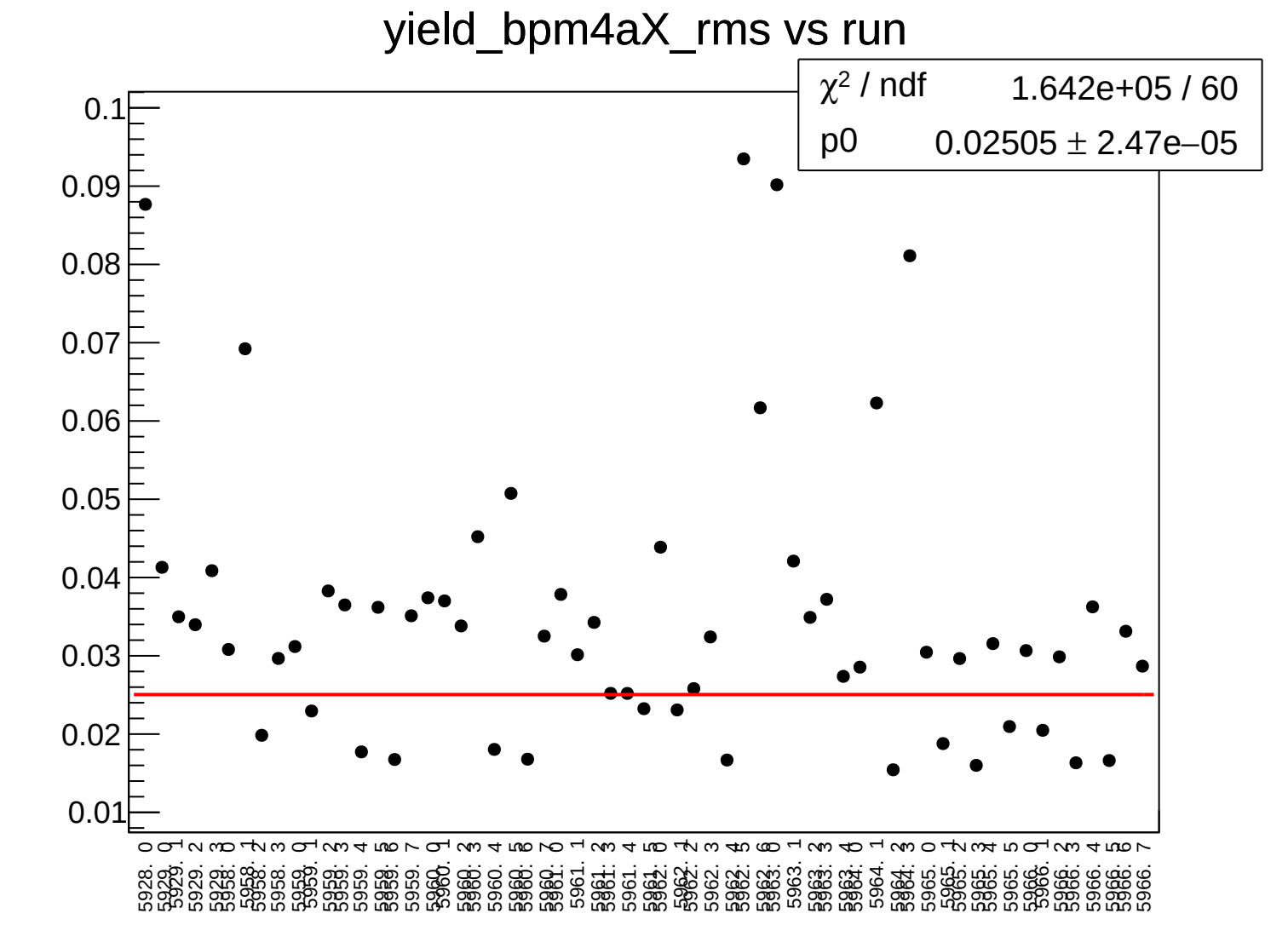

pull
Entries 61
Mean −7.622
Std Dev 16.33
100
50
0
−50
−100
−150
−200

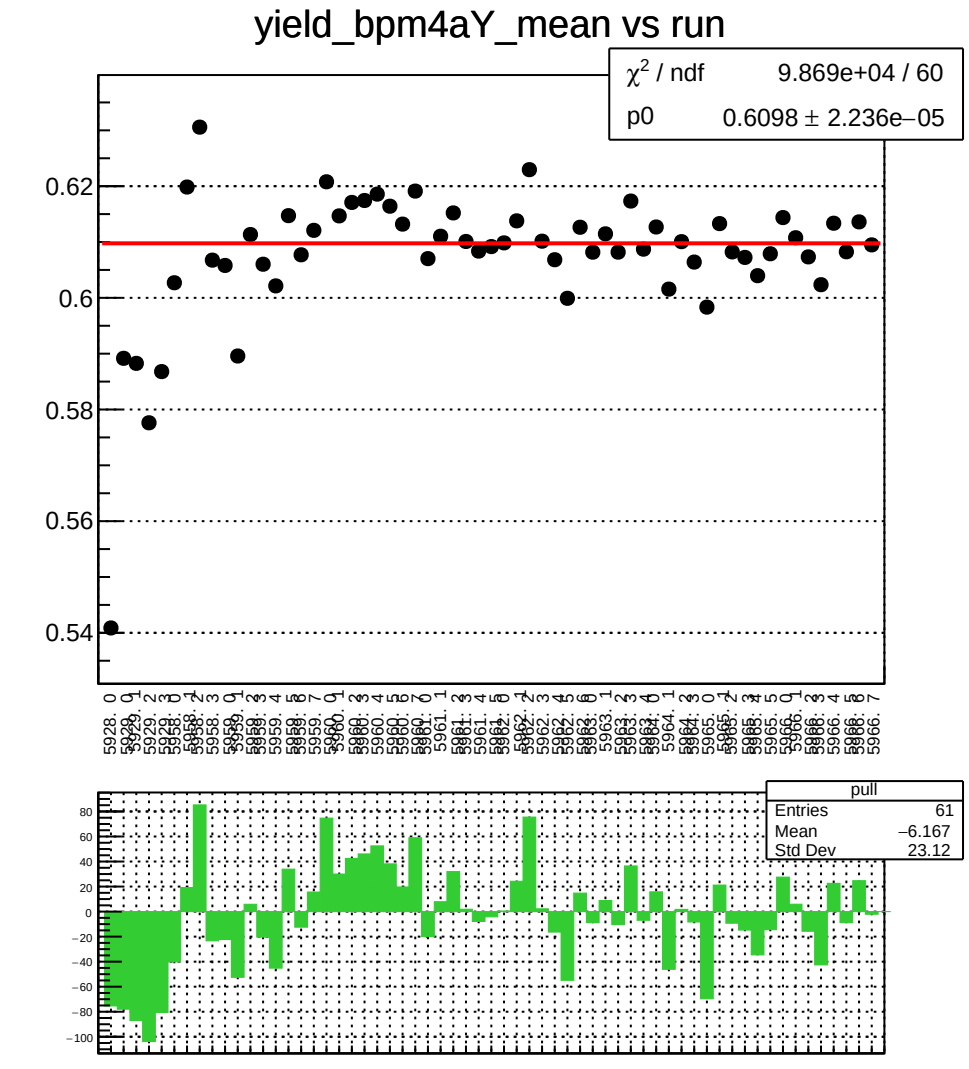

pull1D
Entries 61
Mean −0.06023
Std Dev 4.513
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

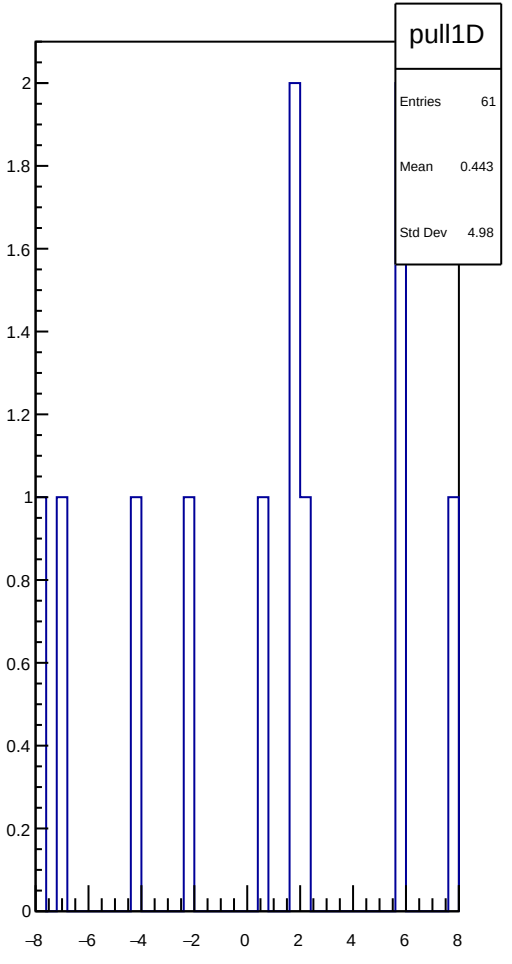

yield_cav4dY_rms vs run
χ² / ndf 6.458e+04 / 60
p0 0.3579 ± 0.000337
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

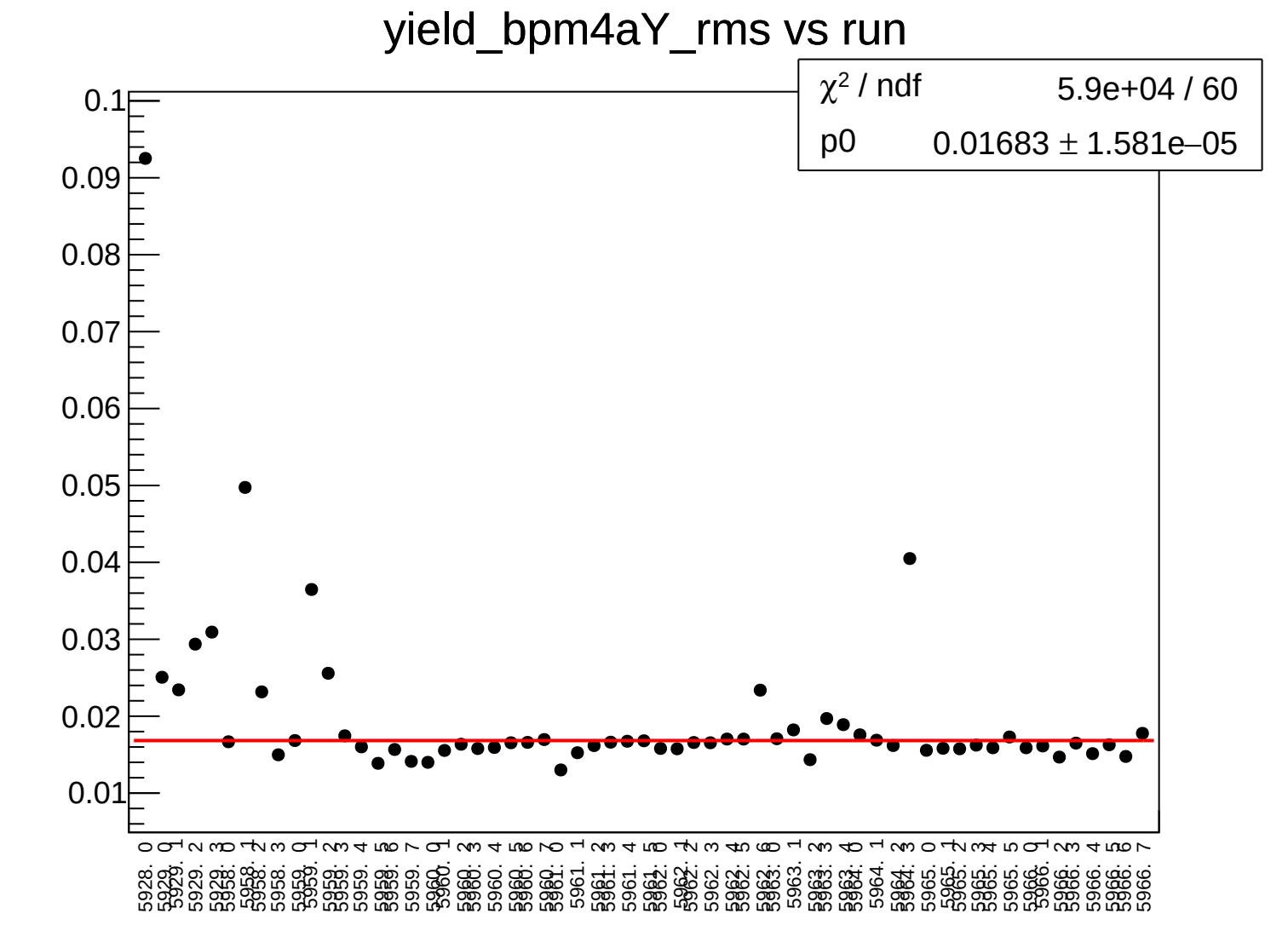

yield_bpm4aX_mean vs run
χ² / ndf 9.089e+04 / 60
p0 −0.4497 ± 3.493e−05
pull
Entries 61
Mean 135.1
Std Dev 0

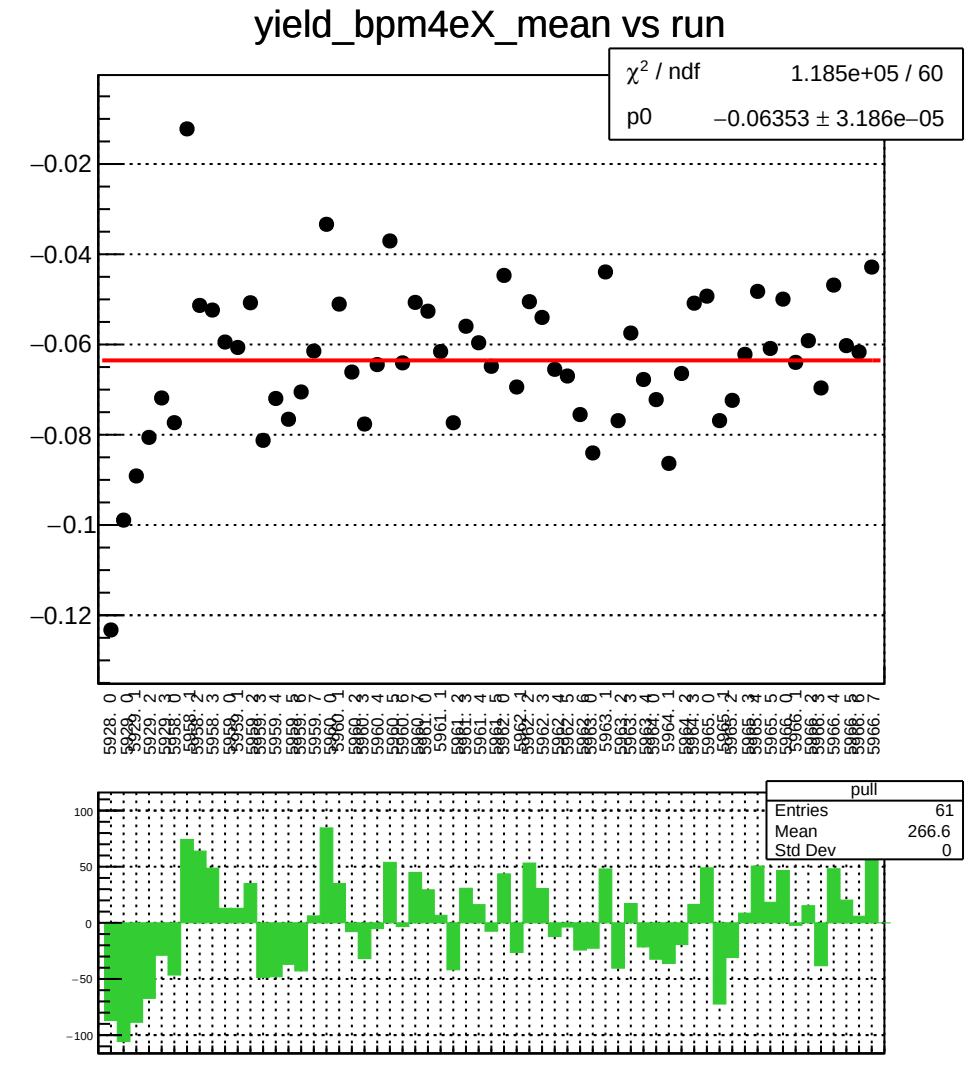

pull1D
Entries 61
Mean −1.883
Std Dev 5.304

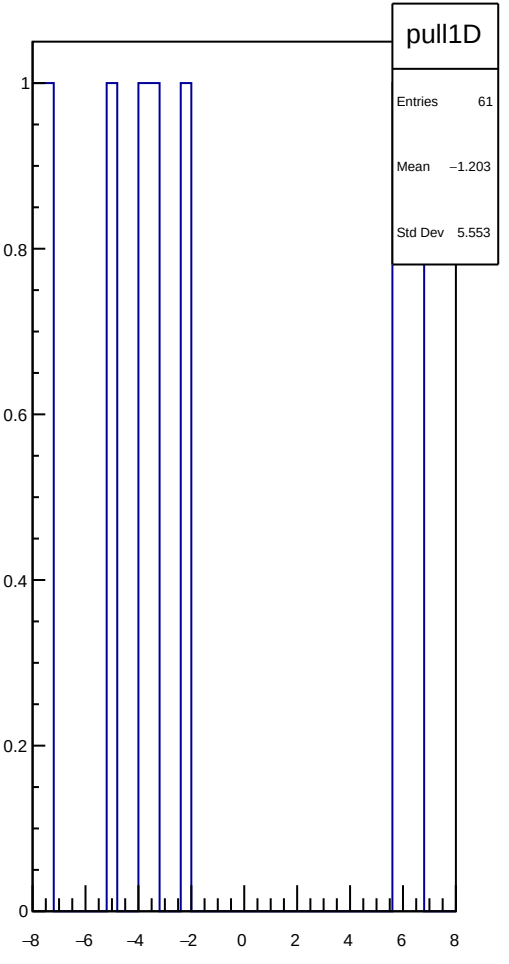

yield_bpm4aX_rms vs run
χ² / ndf 1.642e+05 / 60
p0 0.02505 ± 2.47e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

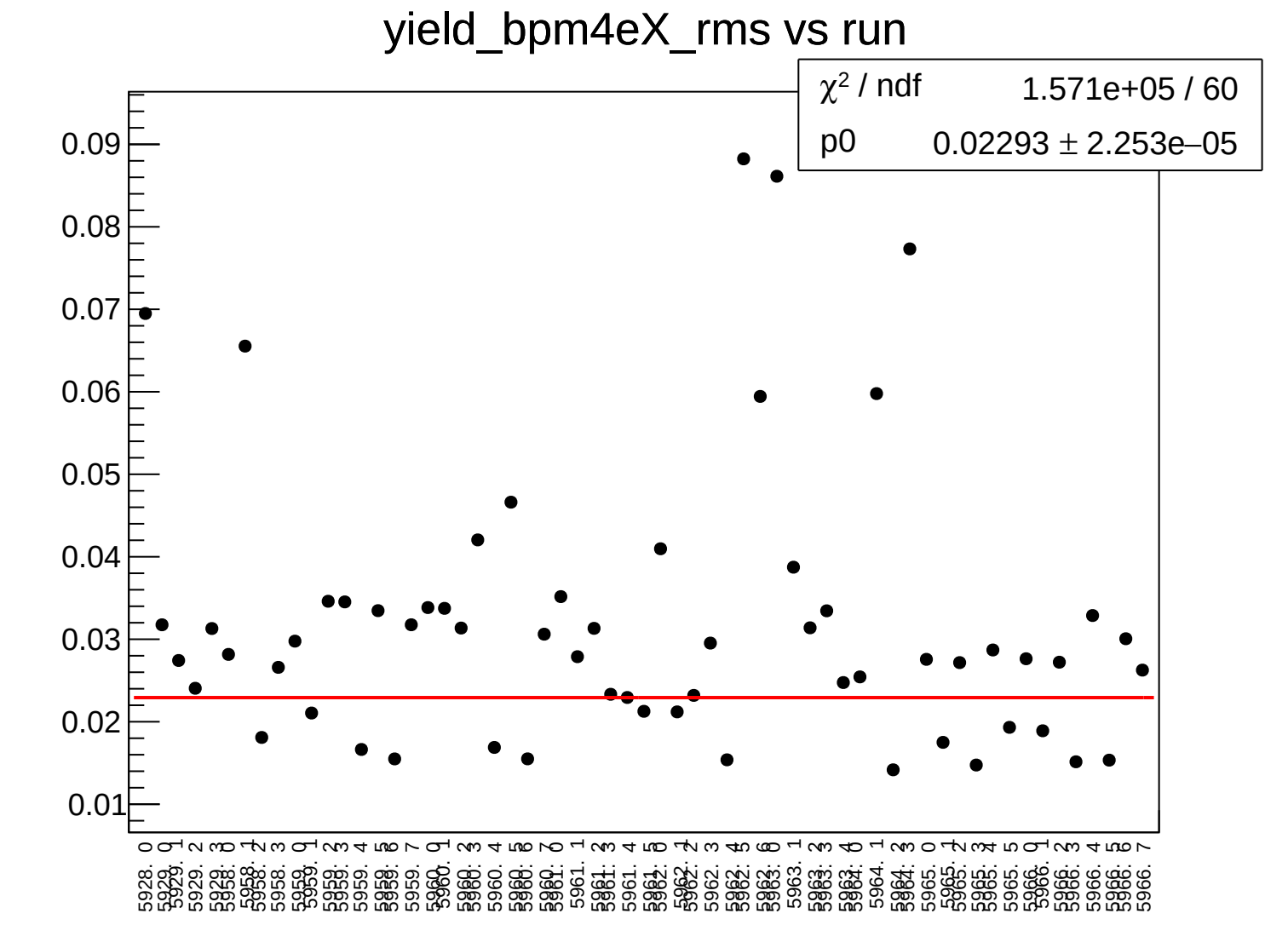

yield_bpm4aY_mean vs run
χ² / ndf 9.869e+04 / 60
p0 0.6098 ± 2.236e−05
0.62
0.6
0.58
0.56
0.54
pull
Entries 61
Mean −6.167
Std Dev 23.12
80
60
40
20
0
−20
−40
−60
−80
−100

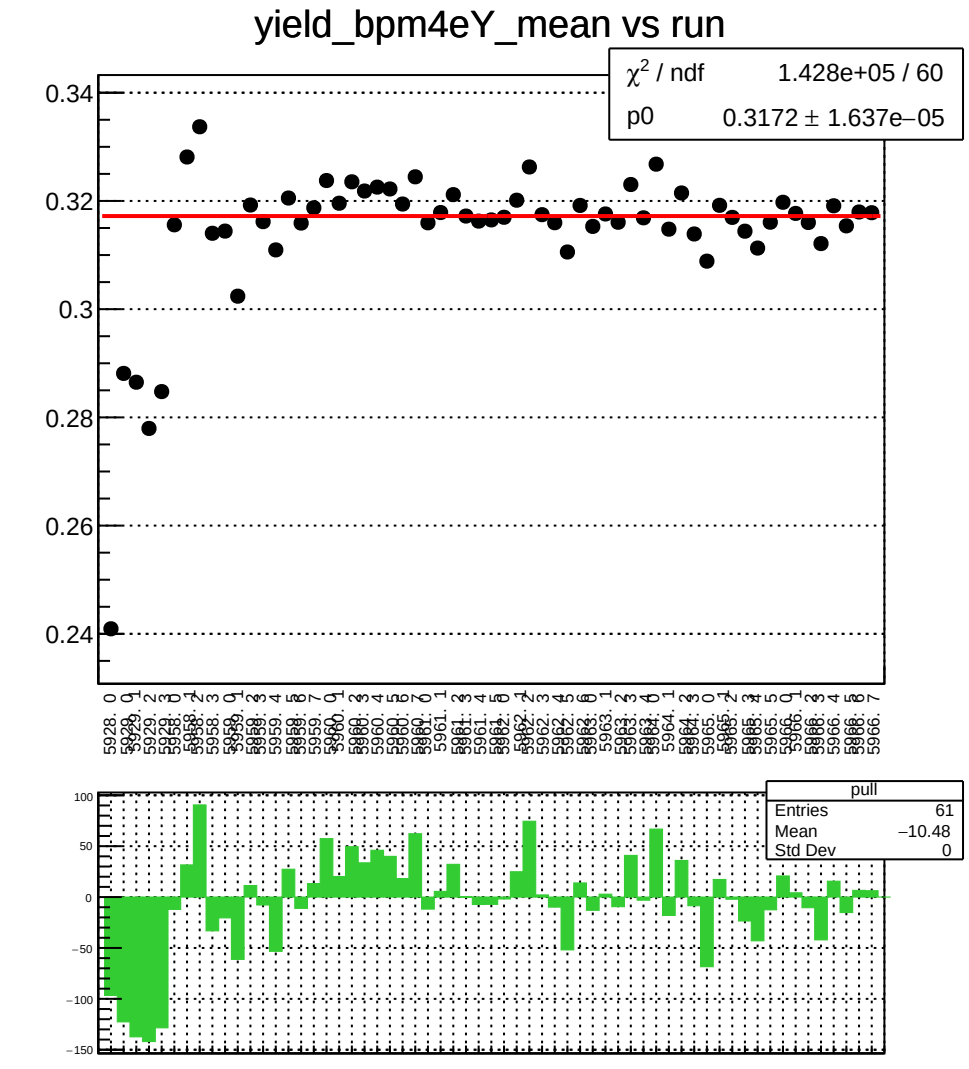

pull1D
Entries 61
Mean 0.443
Std Dev 4.98
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

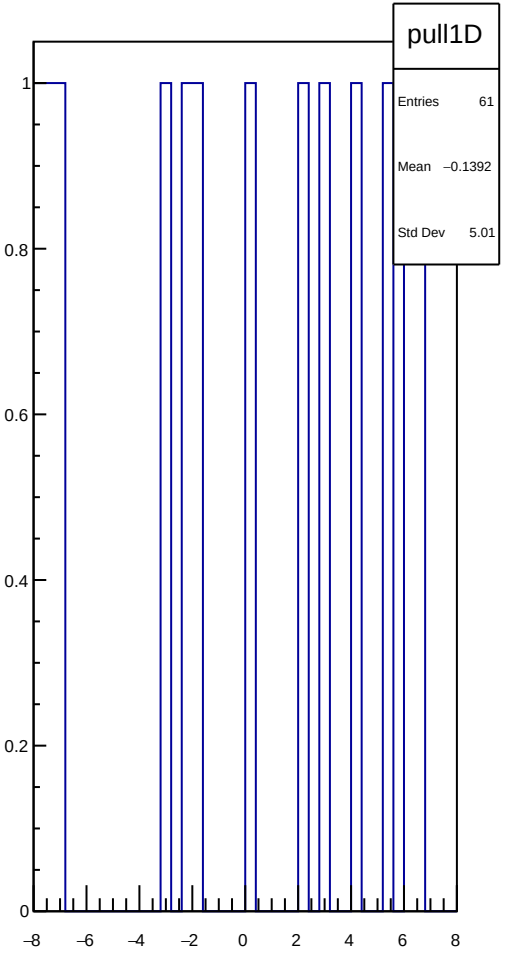

yield_bpm4aY_rms vs run
χ² / ndf 5.9e+04 / 60
p0 0.01683 ± 1.581e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

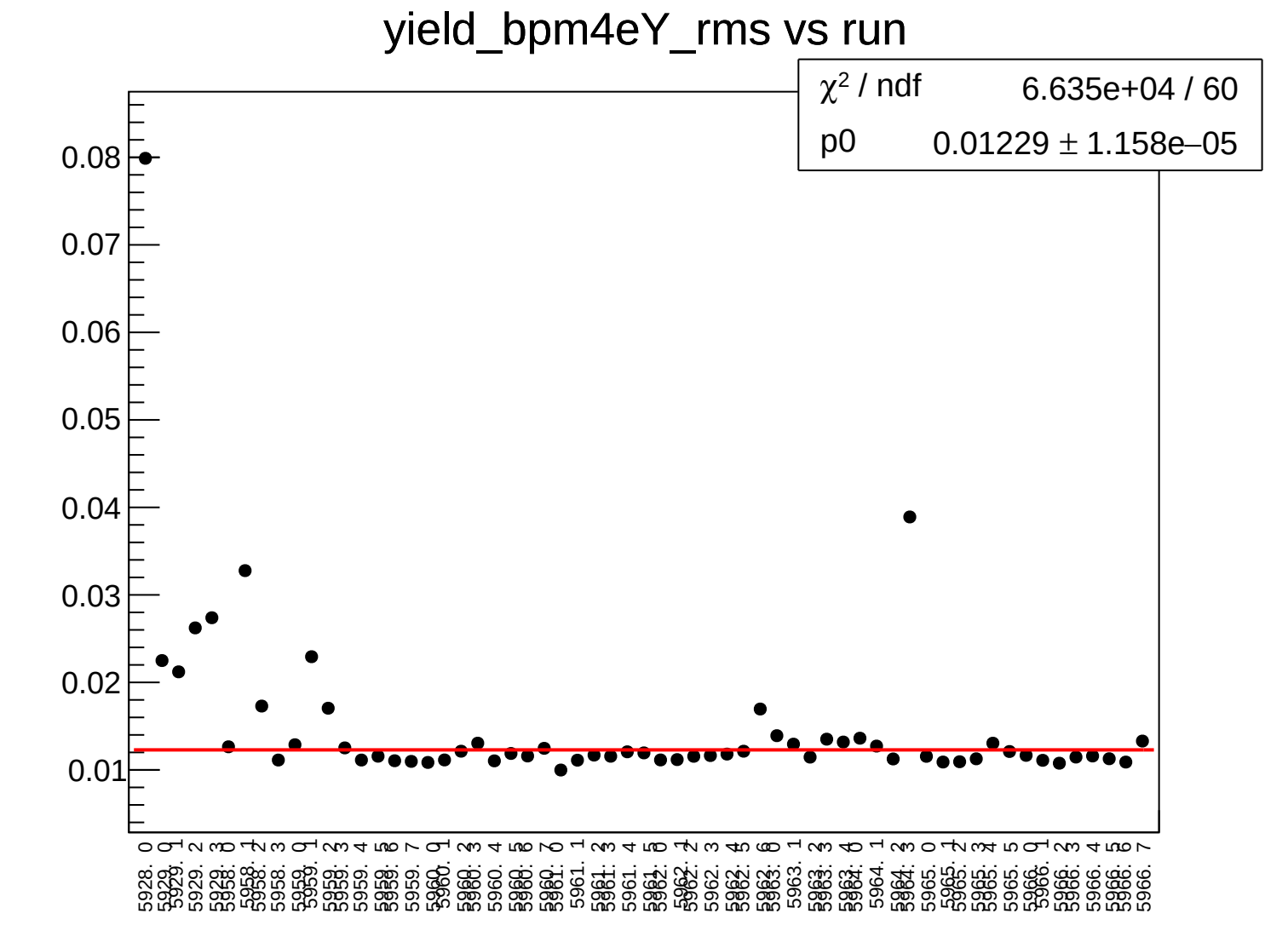

yield_bpm4eX_mean vs run
χ² / ndf 1.185e+05 / 60
p0 −0.06353 ± 3.186e−05
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 61
Mean 266.6
Std Dev 0
100
50
0
−50
−100

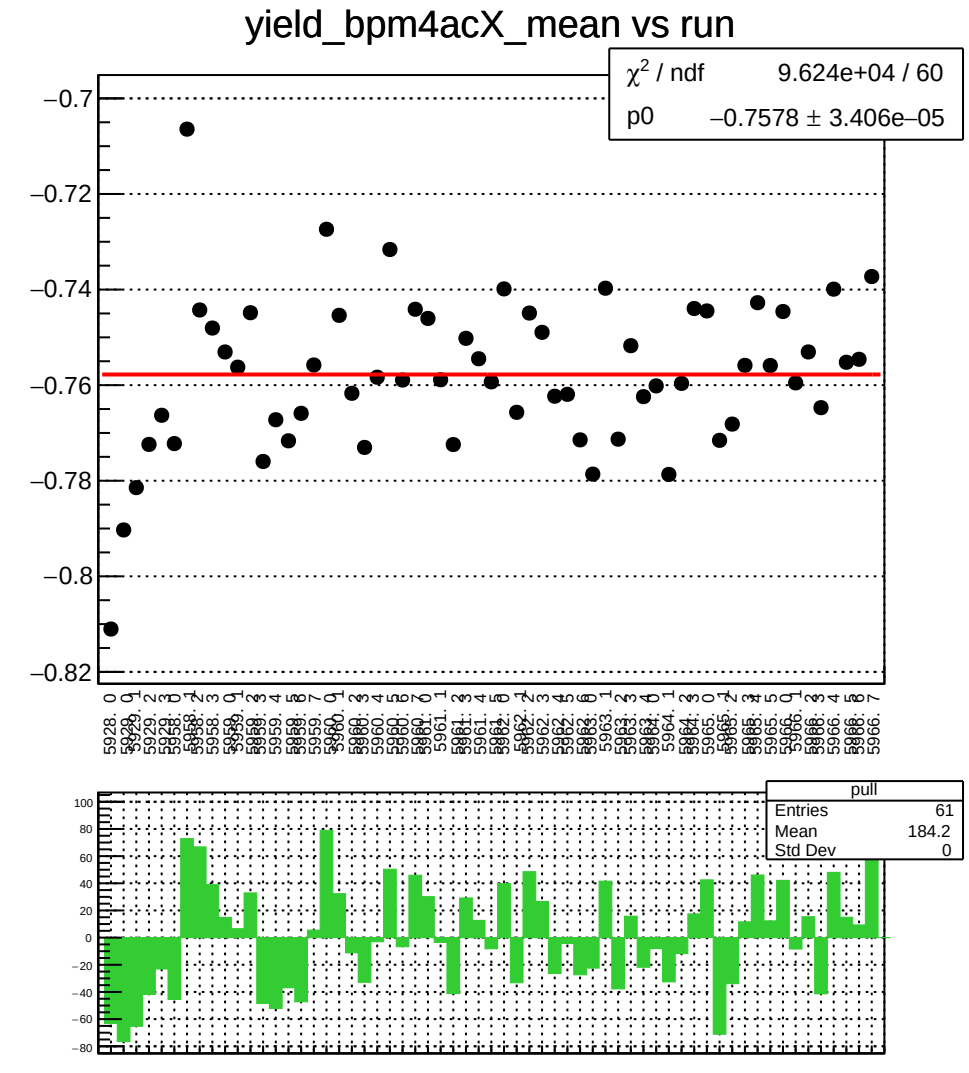

pull1D
Entries 61
Mean −1.203
Std Dev 5.553
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

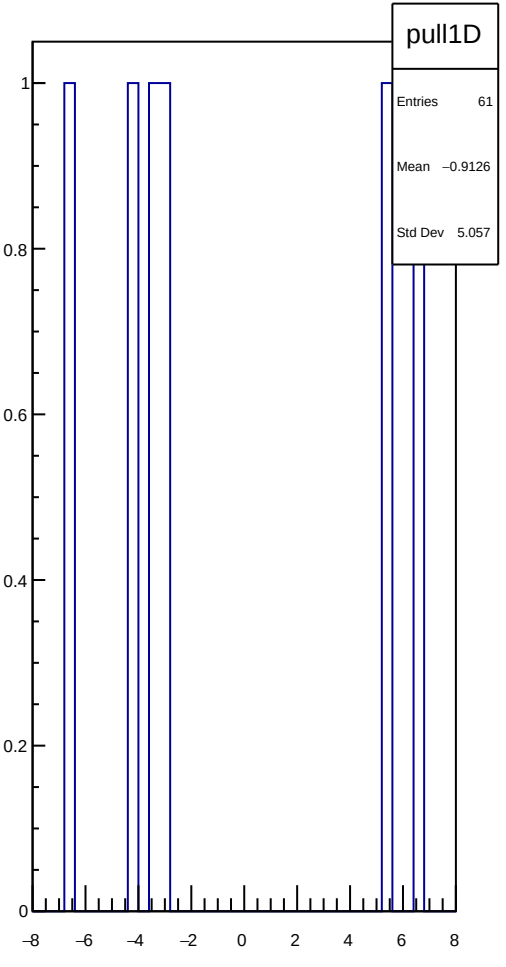

yield_bpm4eX_rms vs run
χ² / ndf 1.571e+05 / 60
p0 0.02293 ± 2.253e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

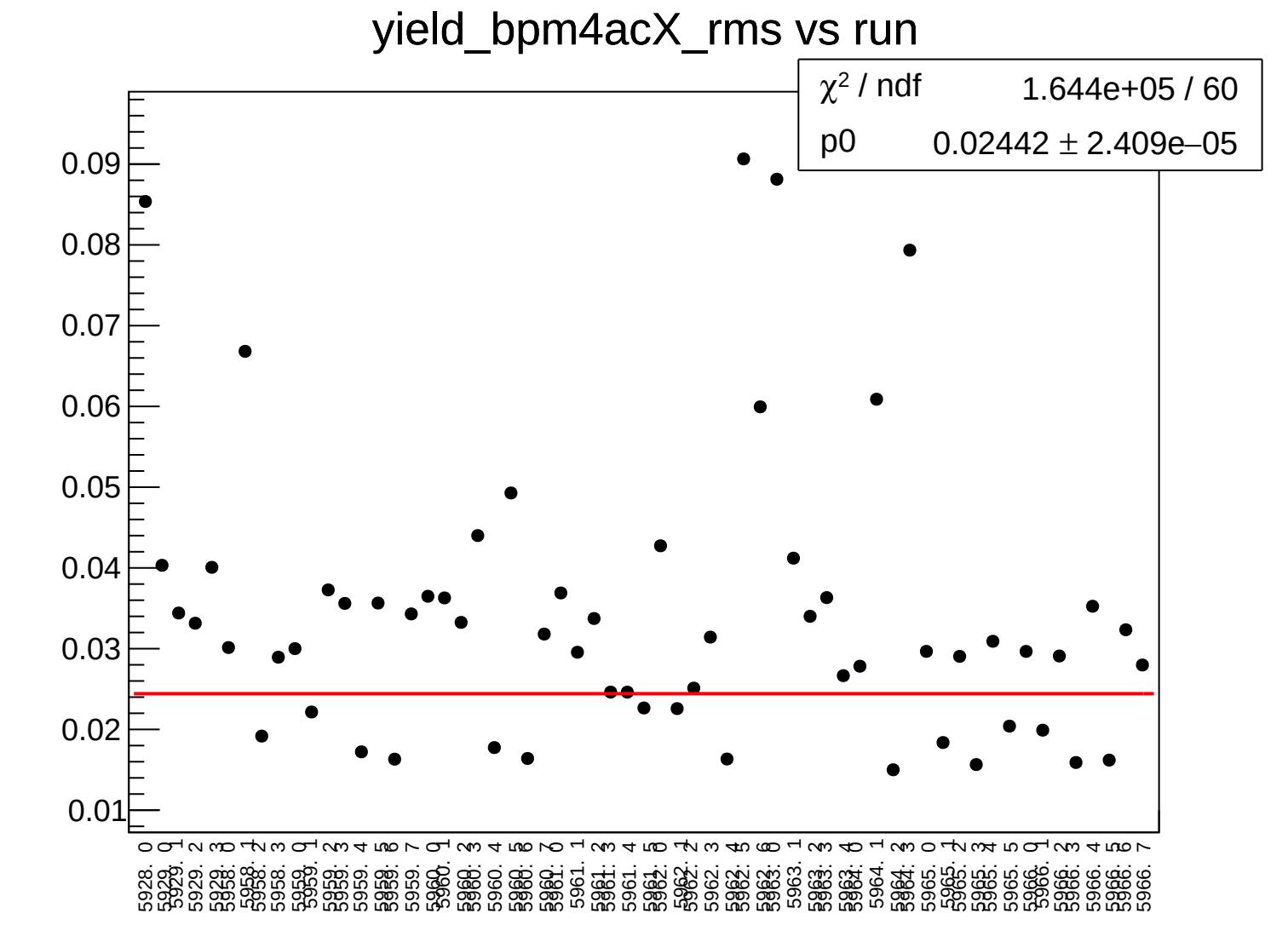

yield_bpm4eY_mean vs run
χ² / ndf 1.428e+05 / 60
p0 0.3172 ± 1.637e−05
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 61
Mean −10.48
Std Dev 0
100
50
0
−50
−100
−150

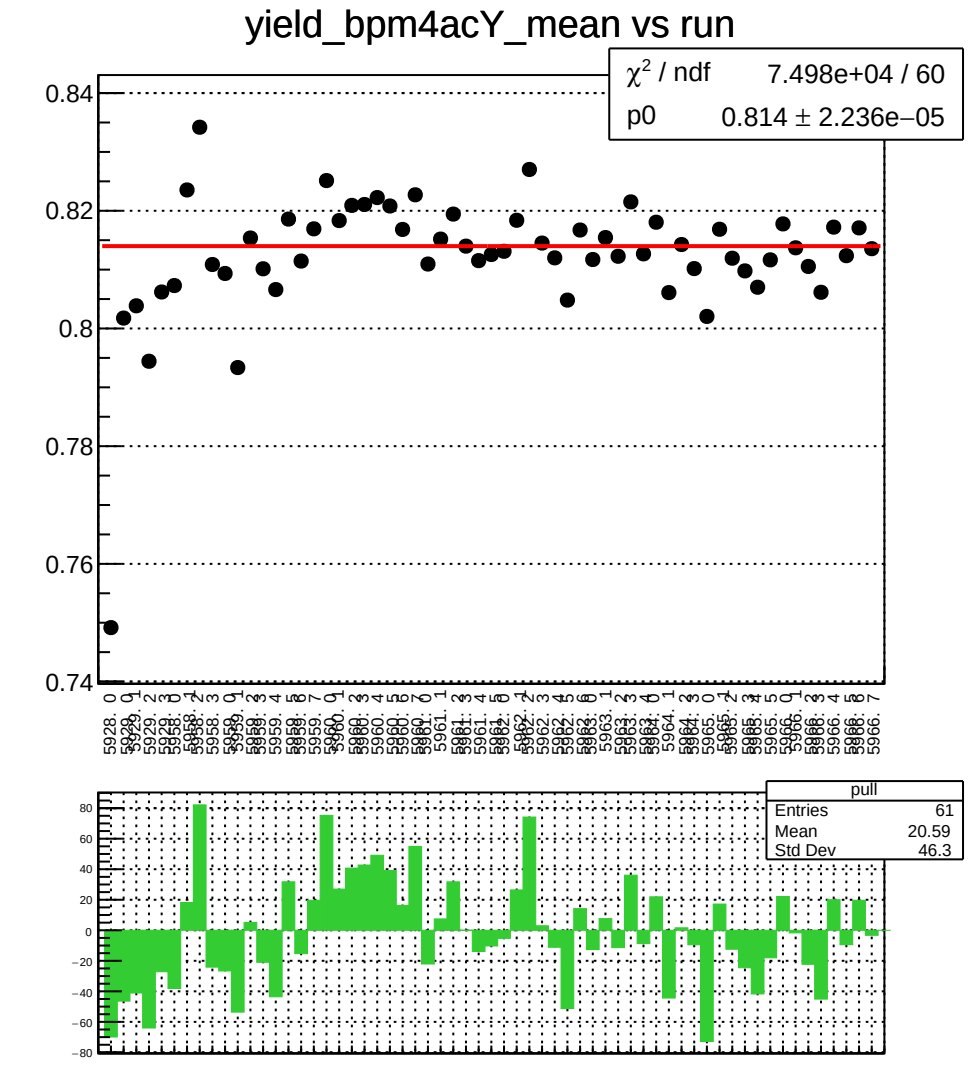

pull1D
Entries 61
Mean −0.1392
Std Dev 5.01
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

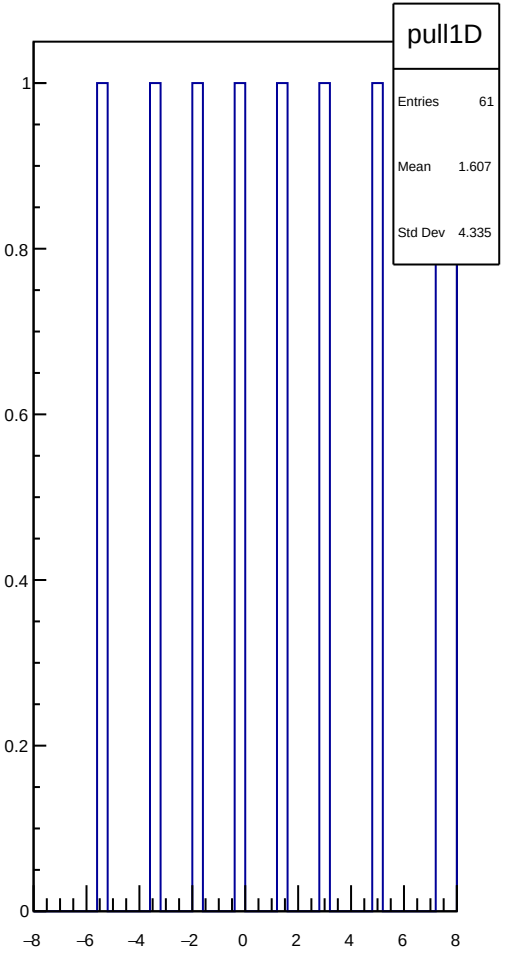

yield_bpm4eY_rms vs run
χ² / ndf 6.635e+04 / 60
p0 0.01229 ± 1.158e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

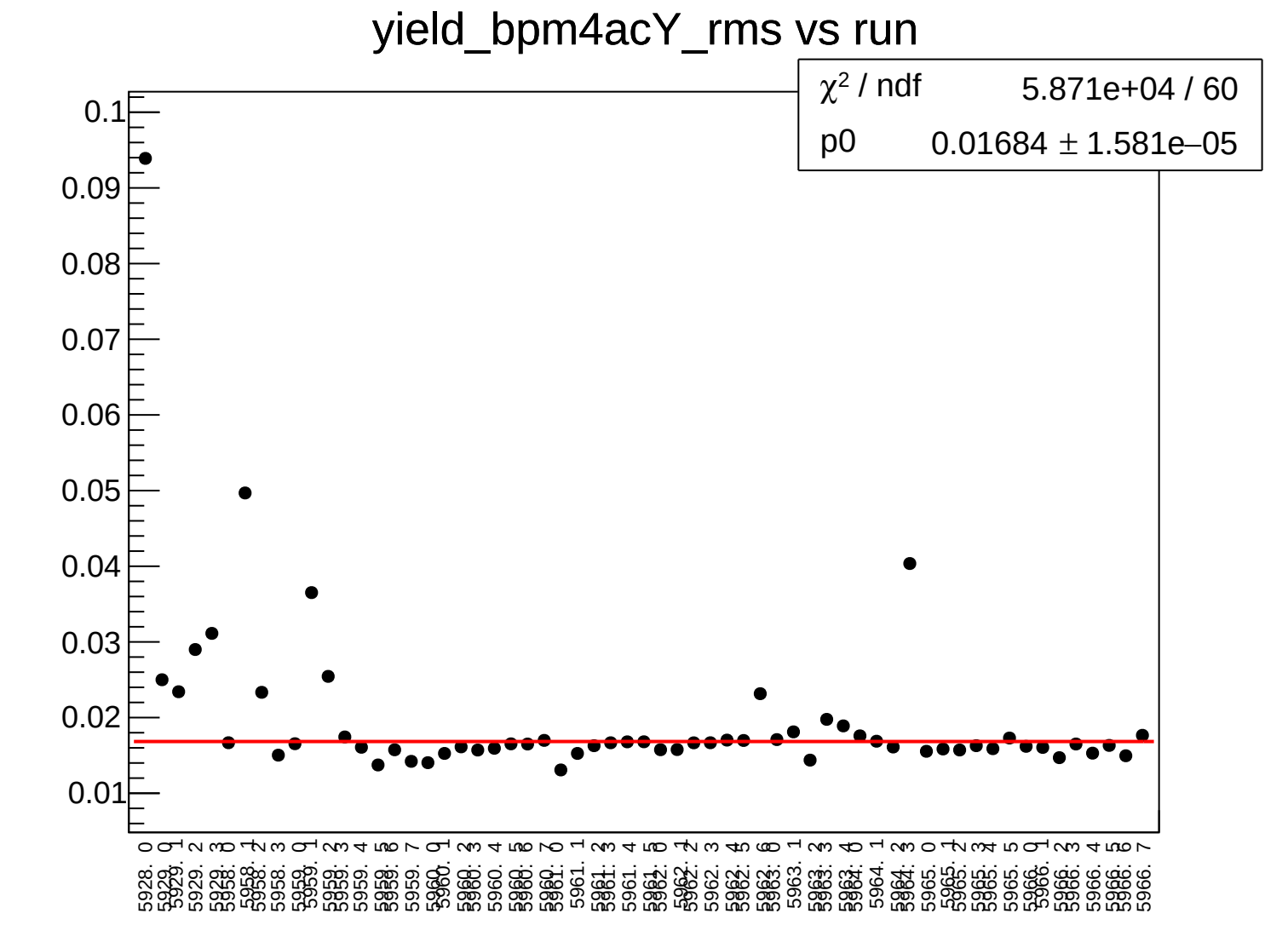

yield_bpm4acX_mean vs run
χ² / ndf 9.624e+04 / 60
p0 −0.7578 ± 3.406e−05
−0.7
−0.72
−0.74
−0.76
−0.78
−0.8
−0.82
pull
Entries 61
Mean 184.2
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

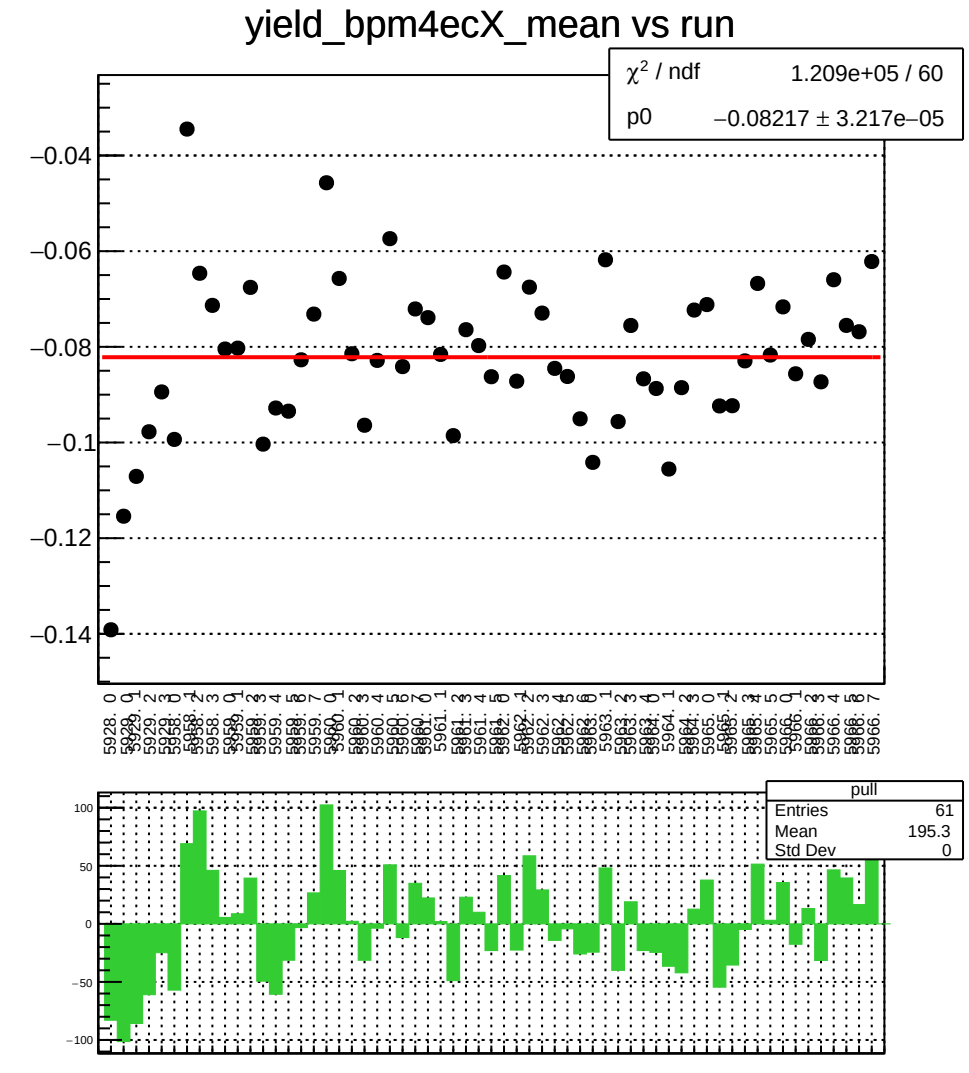

pull1D
Entries 61
Mean −0.9126
Std Dev 5.057
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

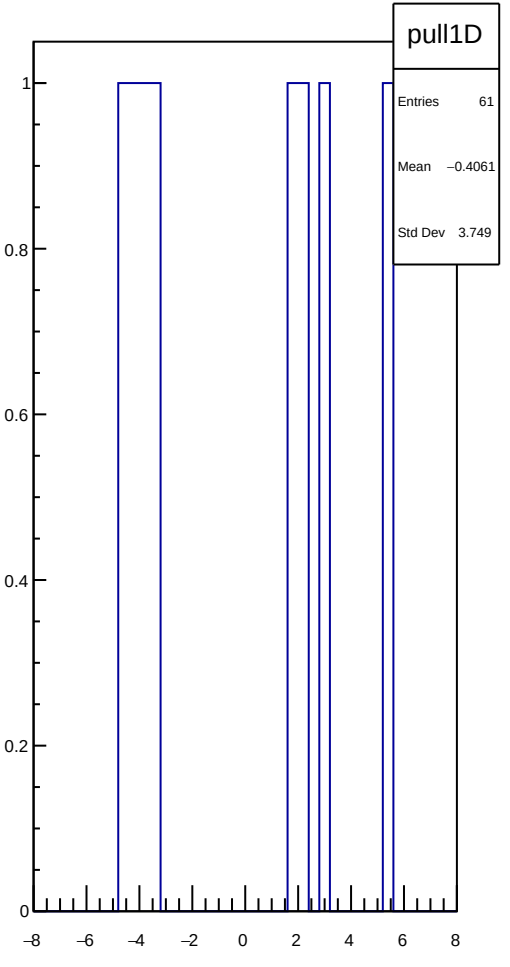

yield_bpm4acX_rms vs run
χ² / ndf 1.644e+05 / 60
p0 0.02442 ± 2.409e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

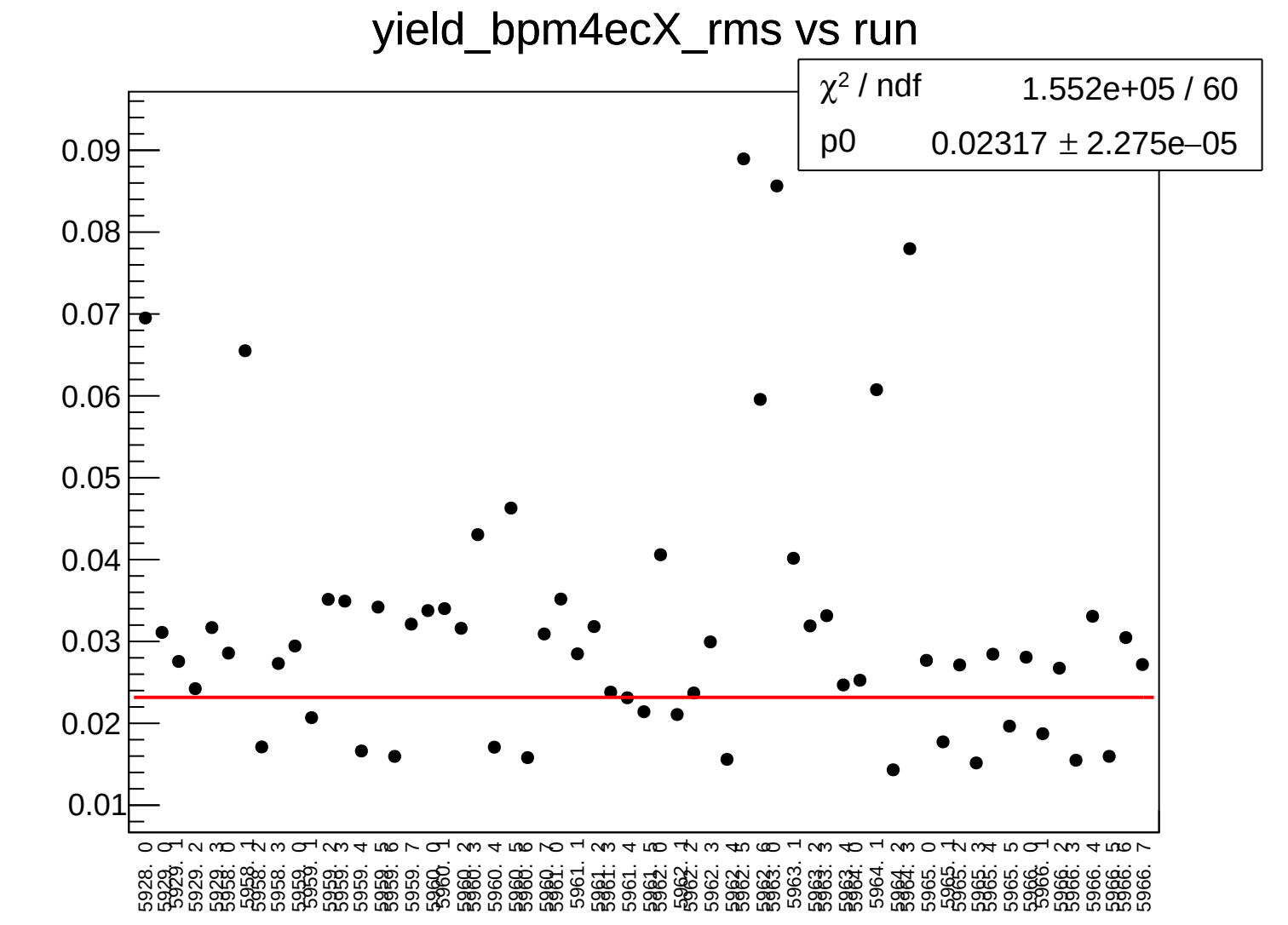

yield_bpm4acY_mean vs run
χ² / ndf 7.498e+04 / 60
p0 0.814 ± 2.236e−05
0.84
0.82
0.8
0.78
0.76
0.74
pull
Entries 61
Mean 20.59
Std Dev 46.3
80
60
40
20
0
−20
−40
−60
−80

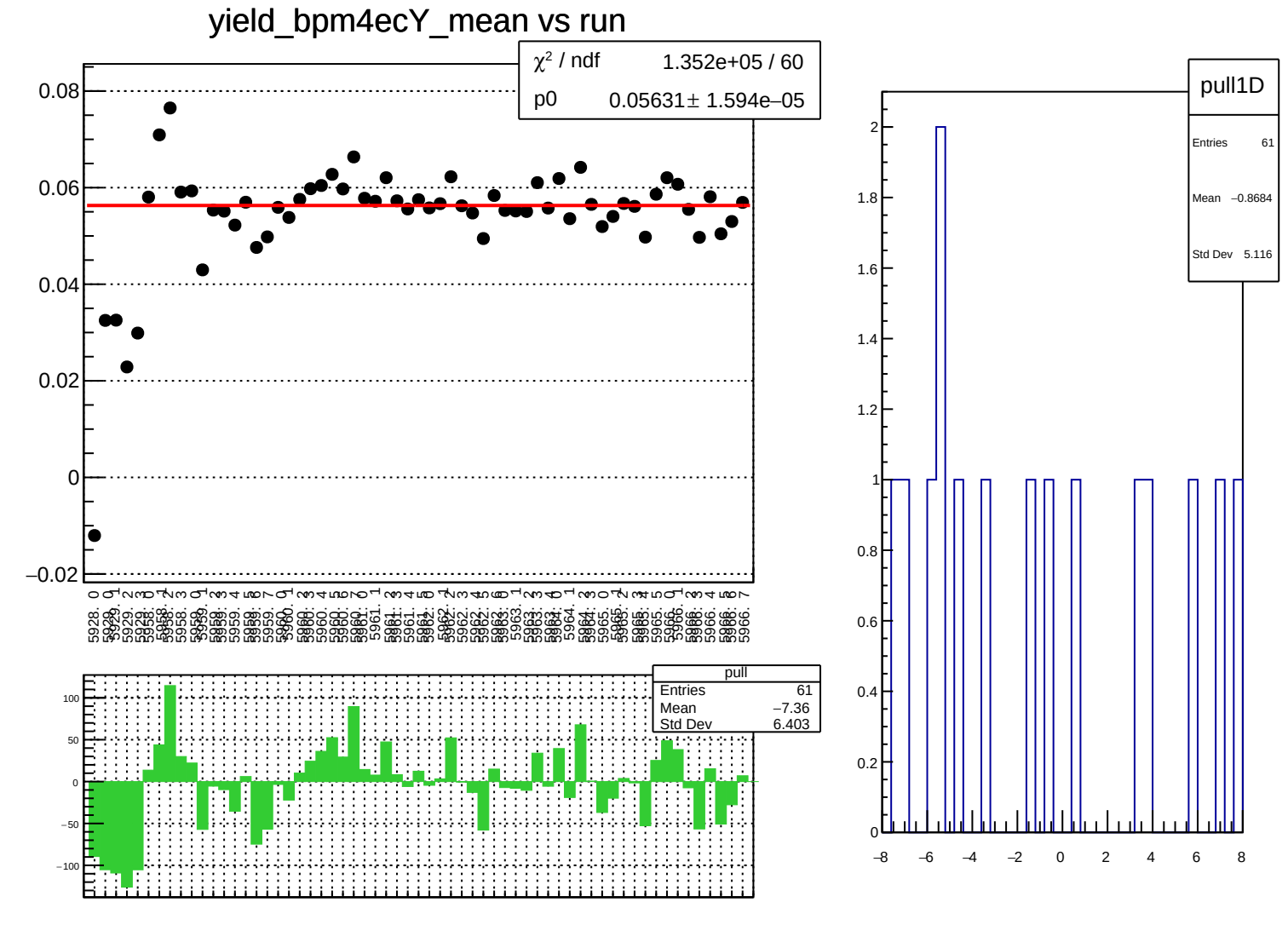

pull1D
Entries 61
Mean 1.607
Std Dev 4.335
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

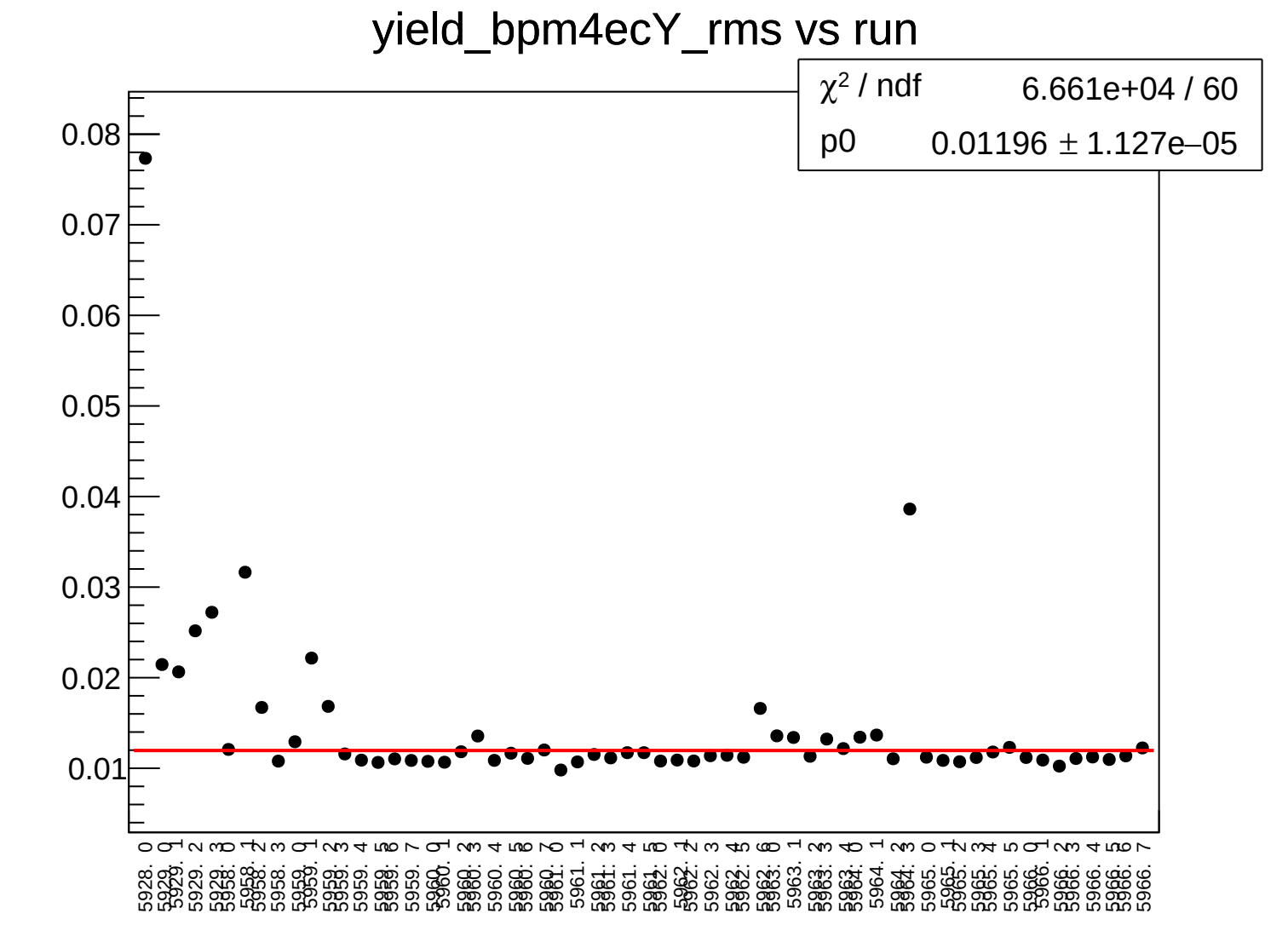

yield_bpm4acY_rms vs run
χ² / ndf 5.871e+04 / 60
p0 0.01684 ± 1.581e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

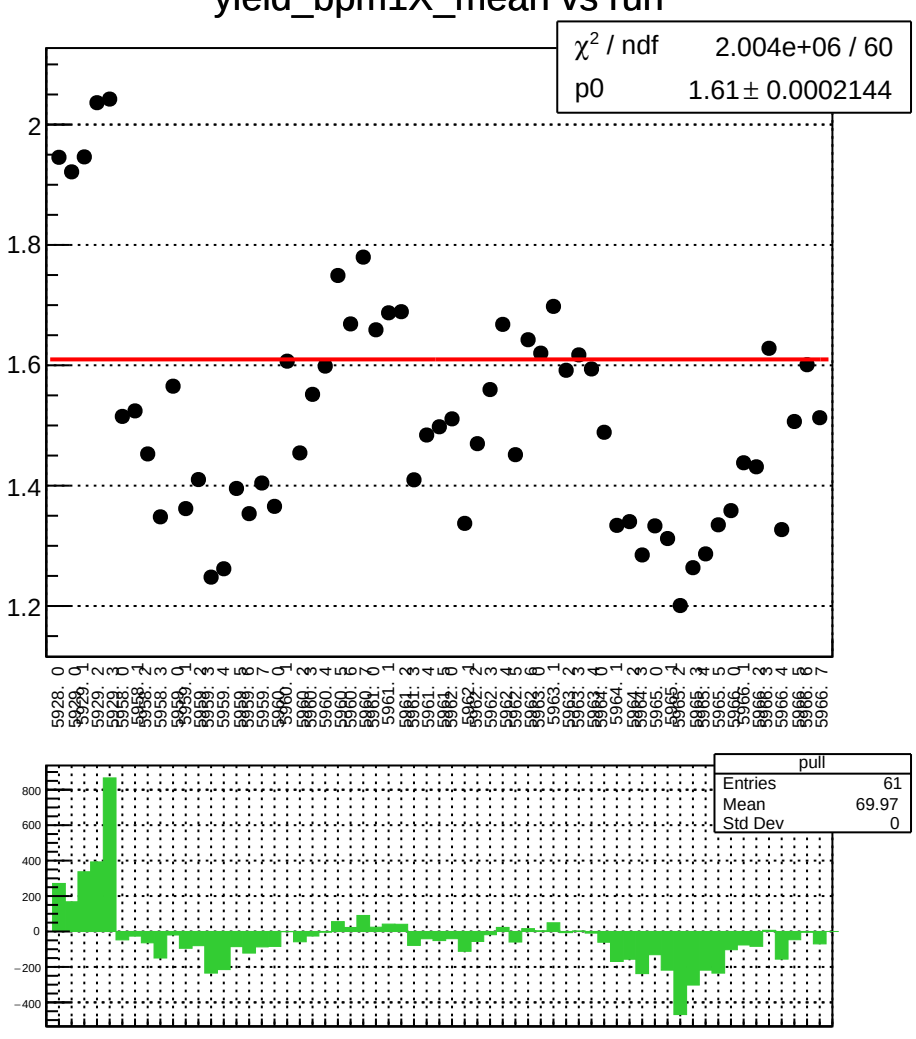

yield_bpm4ecX_mean vs run
χ² / ndf 1.209e+05 / 60
p0 −0.08217 ± 3.217e−05
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 61
Mean 195.3
Std Dev 0
100
50
0
−50
−100

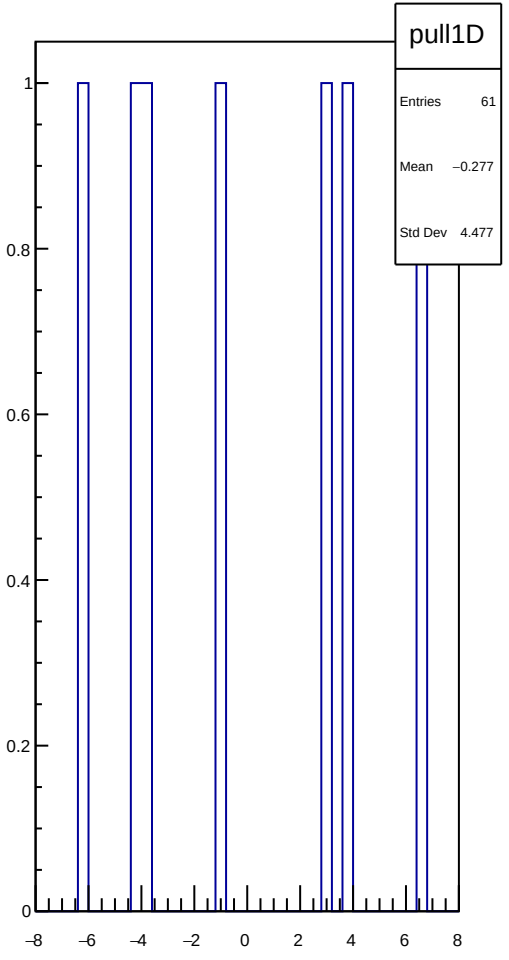

pull1D
Entries 61
Mean −0.4061
Std Dev 3.749
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

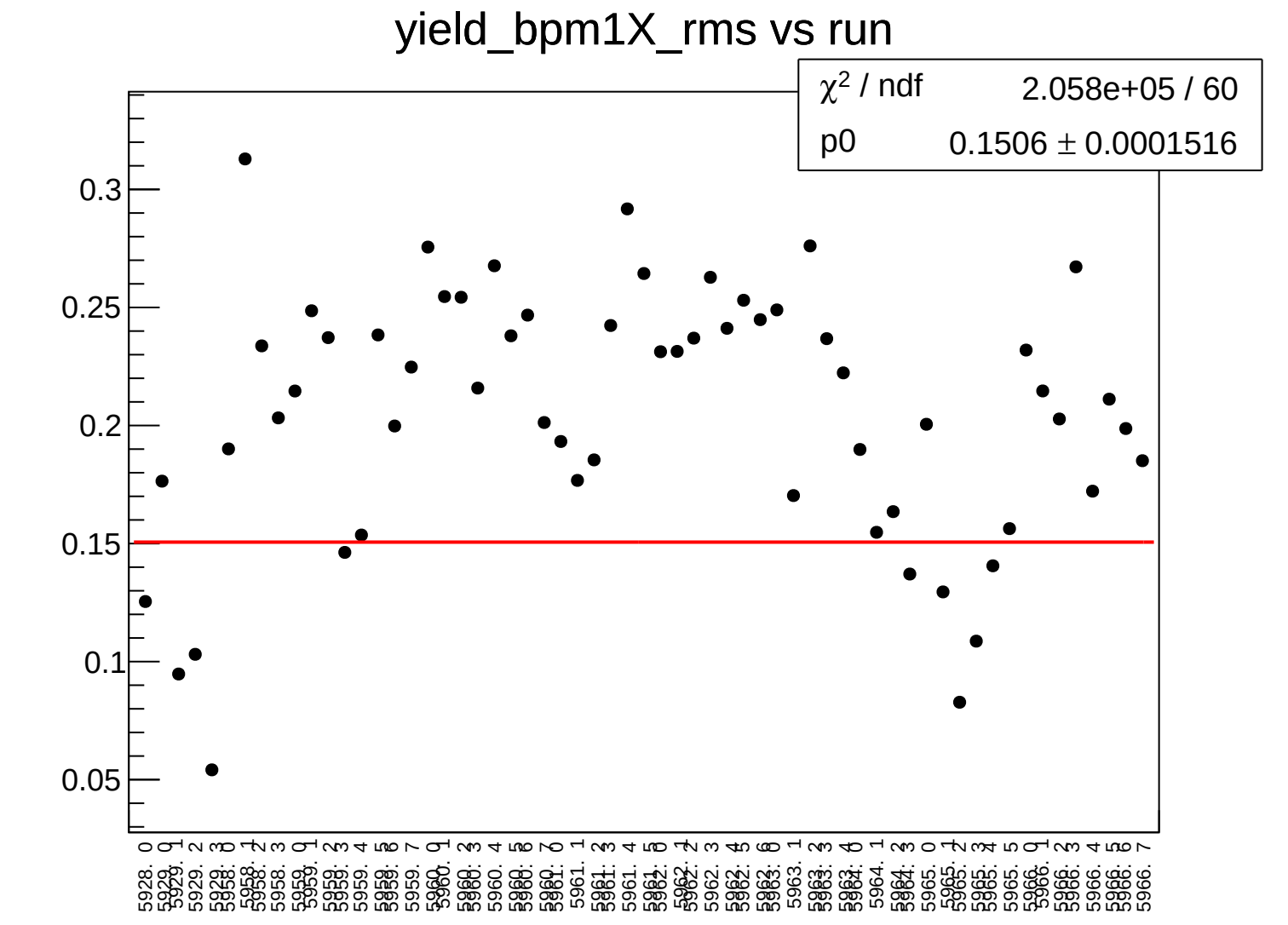

yield_bpm4ecX_rms vs run
χ² / ndf 1.552e+05 / 60
p0 0.02317 ± 2.275e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

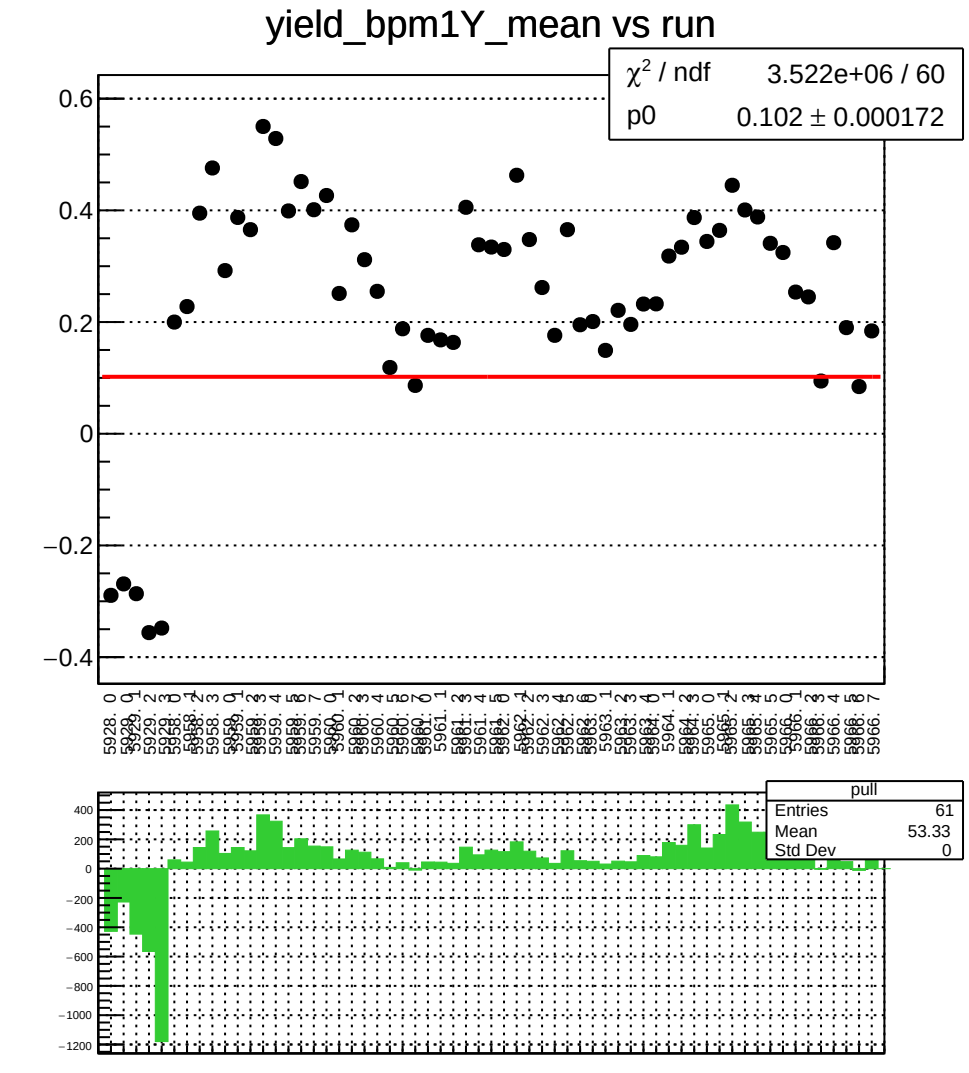

yield_bpm4ecY_mean vs run
χ² / ndf 1.352e+05 / 60
p0 0.05631± 1.594e−05
pull
Entries 61
Mean −7.36
Std Dev 6.403
pull1D
Entries 61
Mean −0.8684
Std Dev 5.116

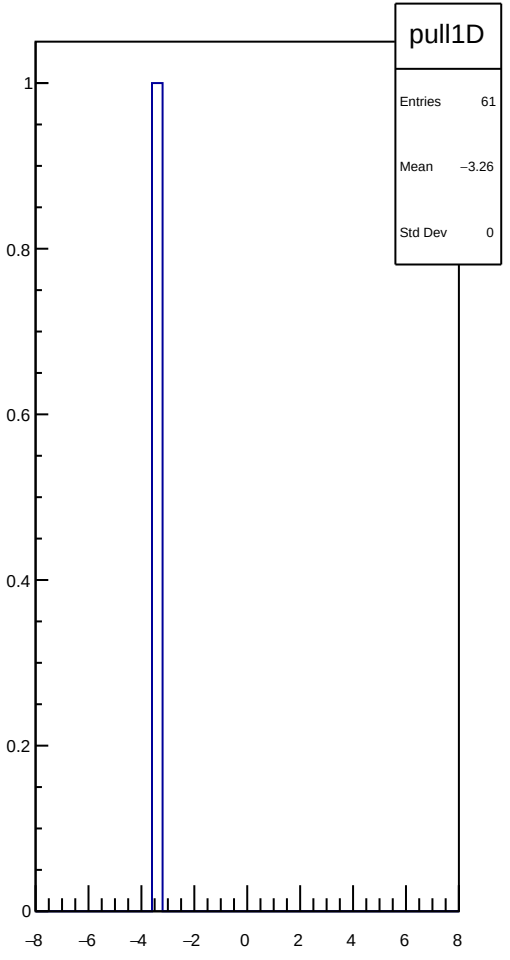

yield_bpm4ecY_rms vs run
χ² / ndf 6.661e+04 / 60
p0 0.01196 ± 1.127e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

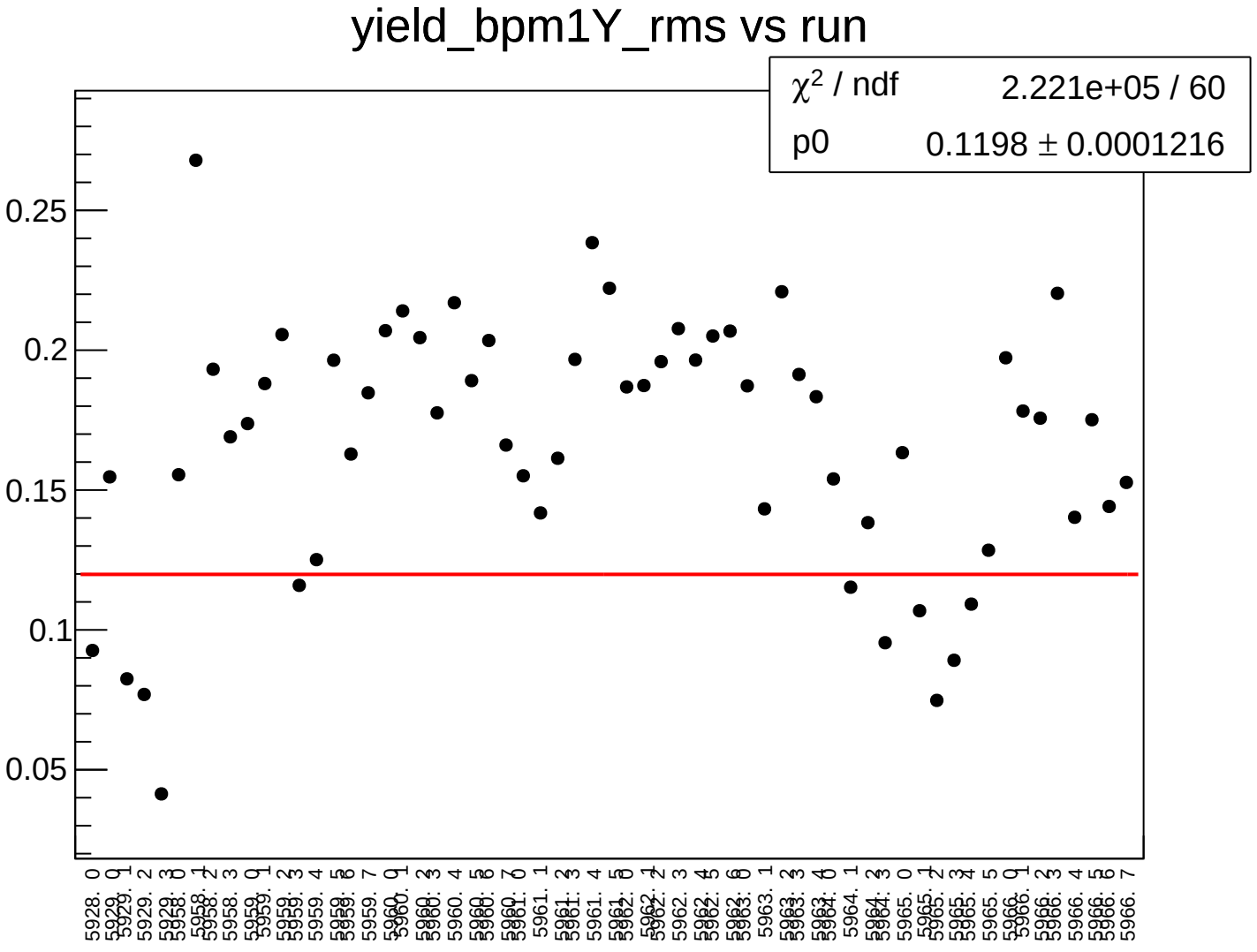

yield_bpm1X_mean vs run
χ² / ndf 2.004e+06 / 60
p0 1.61 ± 0.0002144
pull
Entries 61
Mean 69.97
Std Dev 0

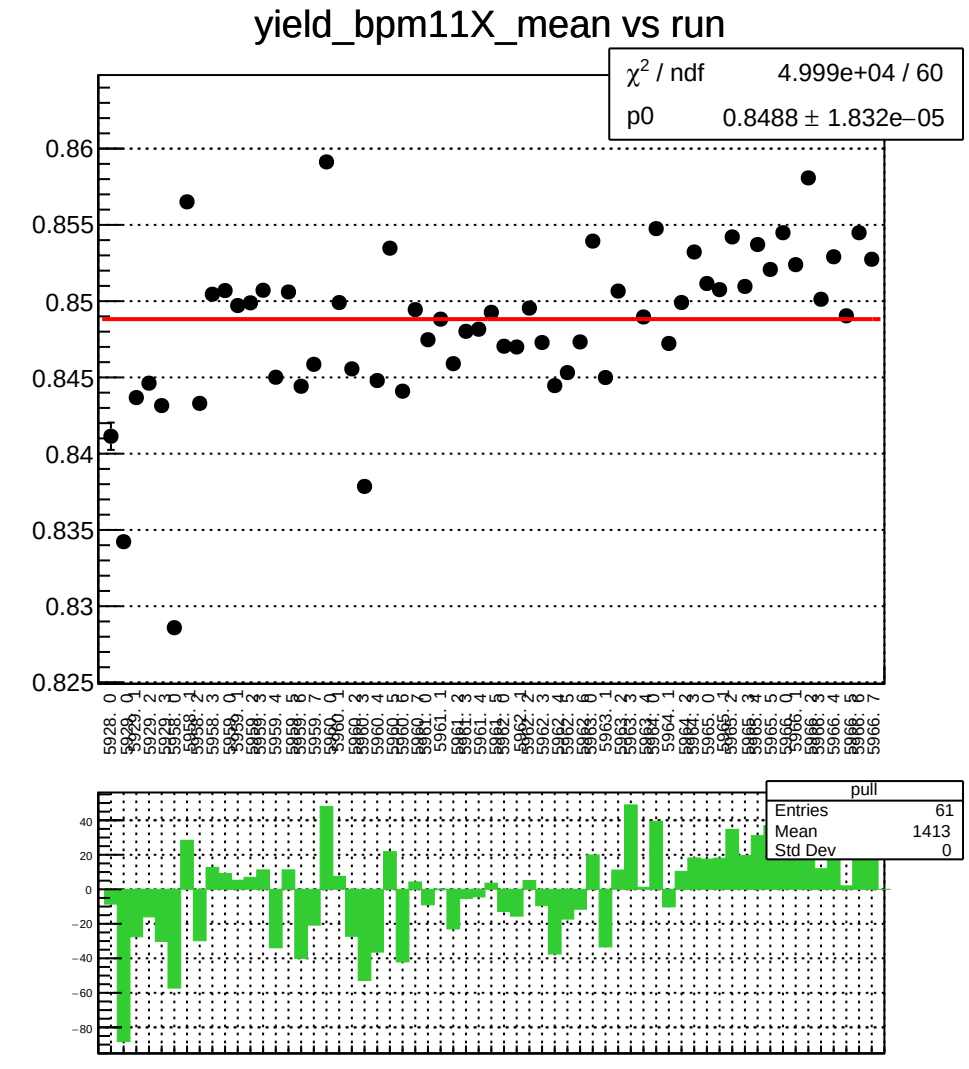

pull1D
Entries 61
Mean −0.277
Std Dev 4.477

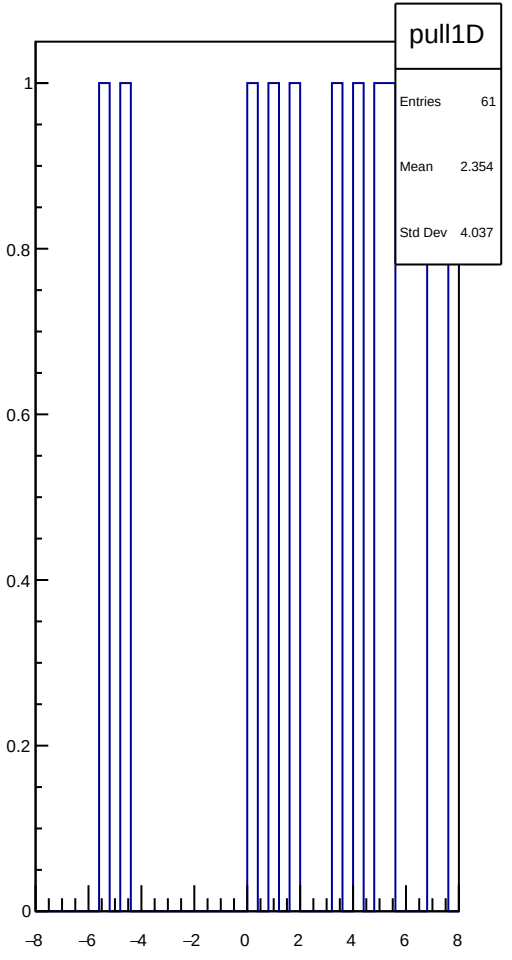

yield_bpm1X_rms vs run
χ² / ndf 2.058e+05 / 60
p0 0.1506 ± 0.0001516
0.3
0.25
0.2
0.15
0.1
0.05

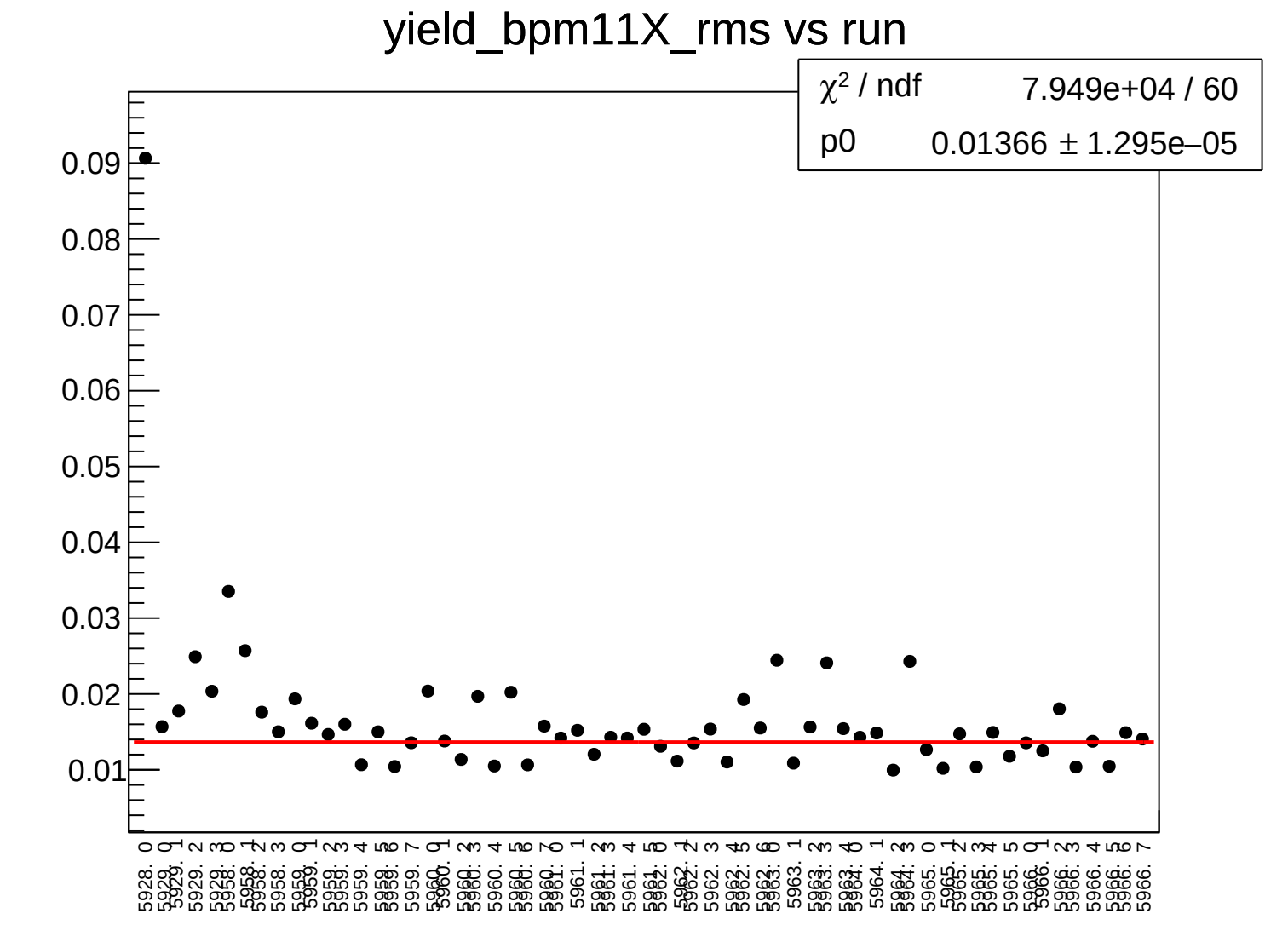

yield_bpm1Y_mean vs run
χ² / ndf 3.522e+06 / 60
p0 0.102 ± 0.000172
pull
Entries 61
Mean 53.33
Std Dev 0

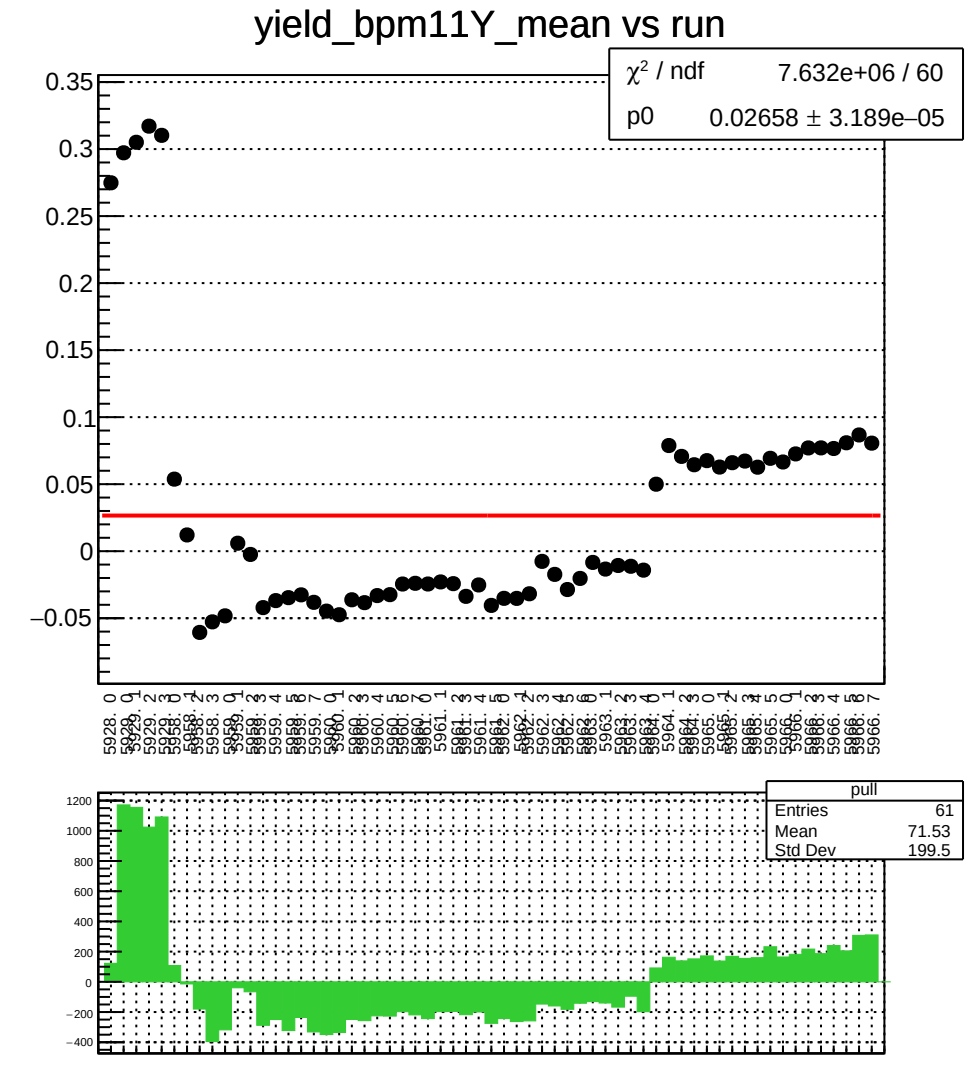

pull1D
Entries 61
Mean −3.26
Std Dev 0

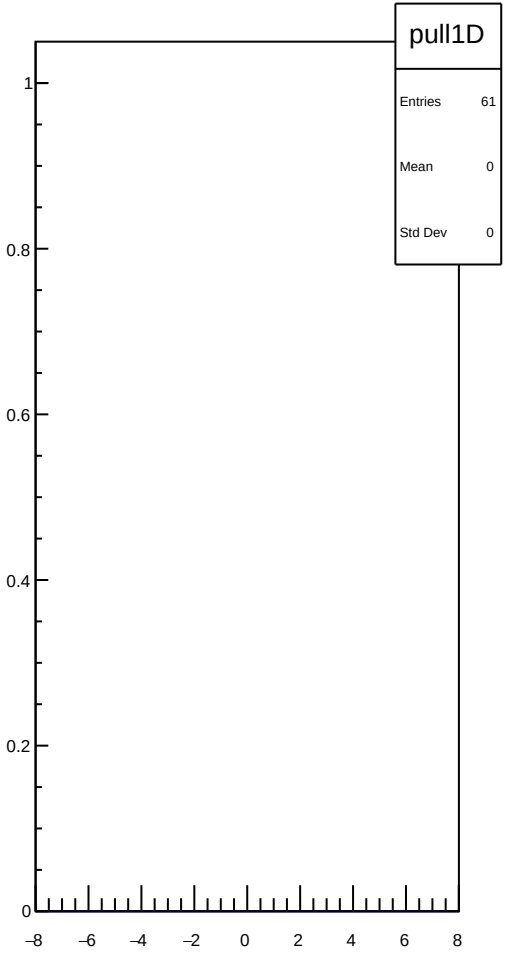

yield_bpm1Y_rms vs run
χ² / ndf 2.221e+05 / 60
p0 0.1198 ± 0.0001216
0.25
0.2
0.15
0.1
0.05

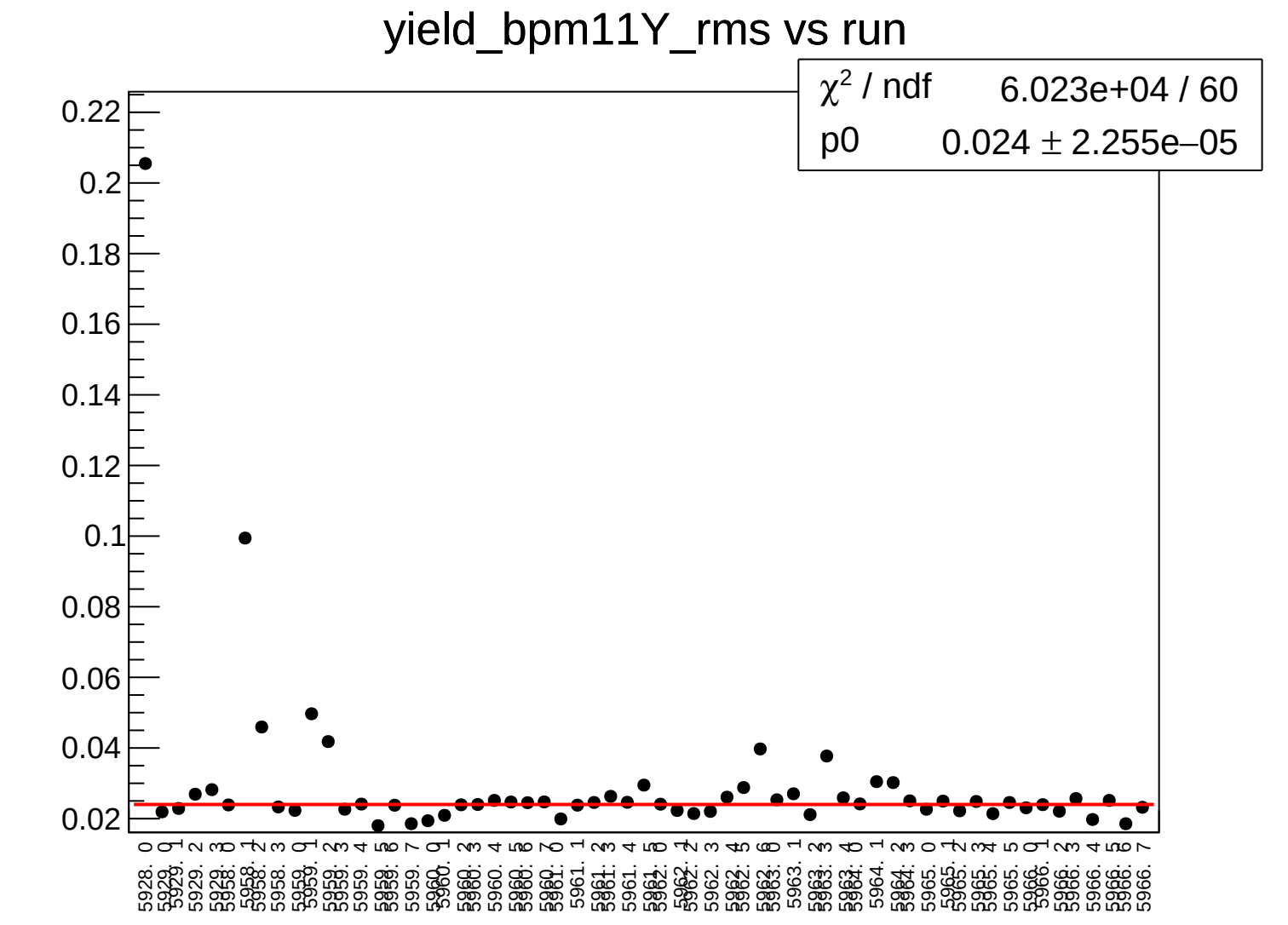

yield_bpm11X_mean vs run
χ² / ndf 4.999e+04 / 60
p0 0.8488 ± 1.832e−05
0.86
0.855
0.85
0.845
0.84
0.835
0.83
0.825
pull
Entries 61
Mean 1413
Std Dev 0
40
20
0
−20
−40
−60
−80

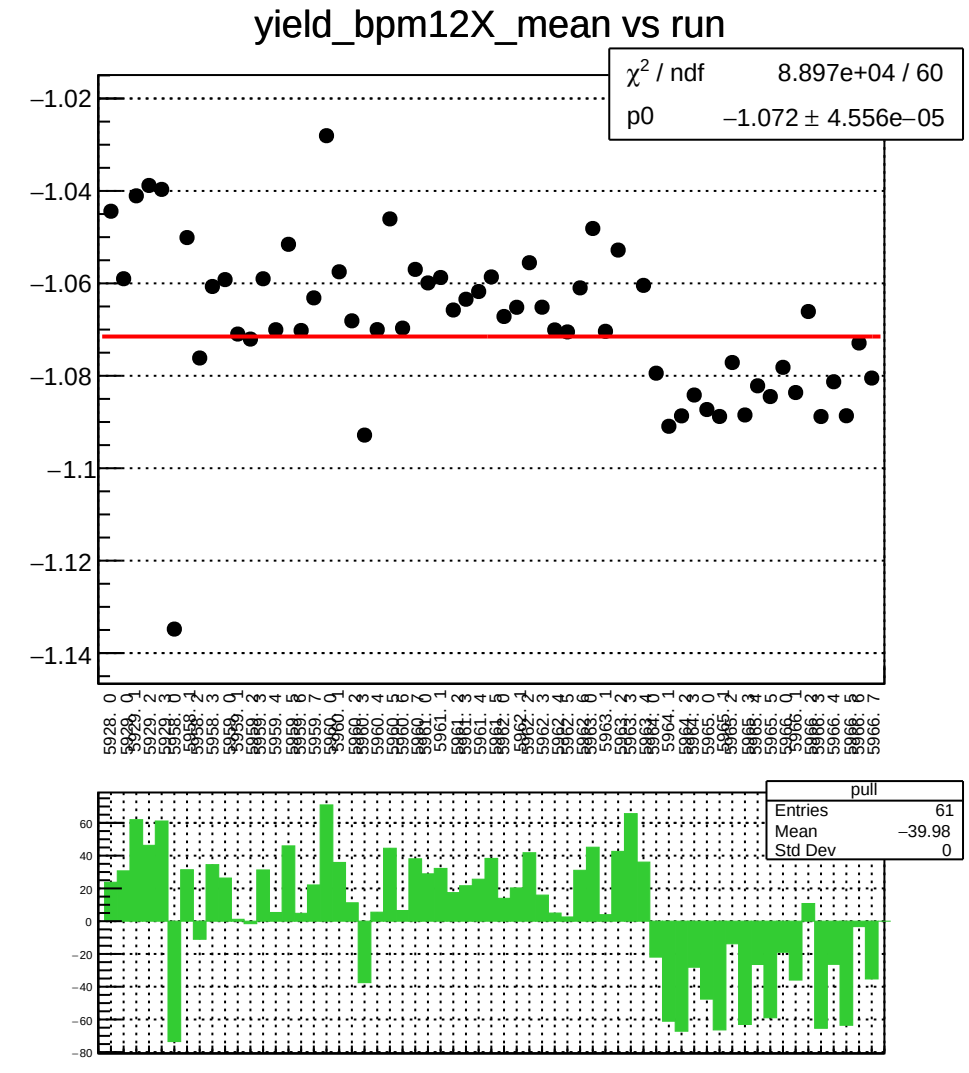

pull1D
Entries 61
Mean 2.354
Std Dev 4.037
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

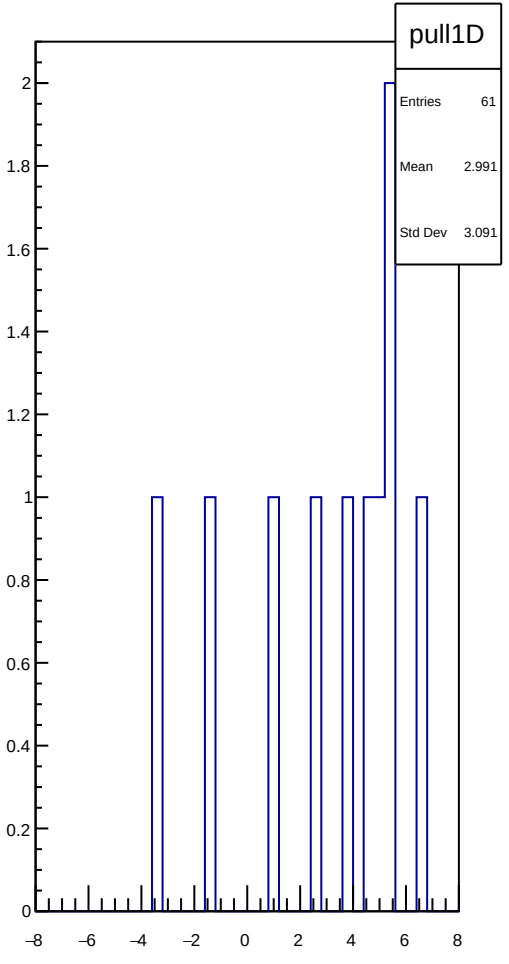

yield_bpm11X_rms vs run
χ² / ndf 7.949e+04 / 60
p0 0.01366 ± 1.295e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

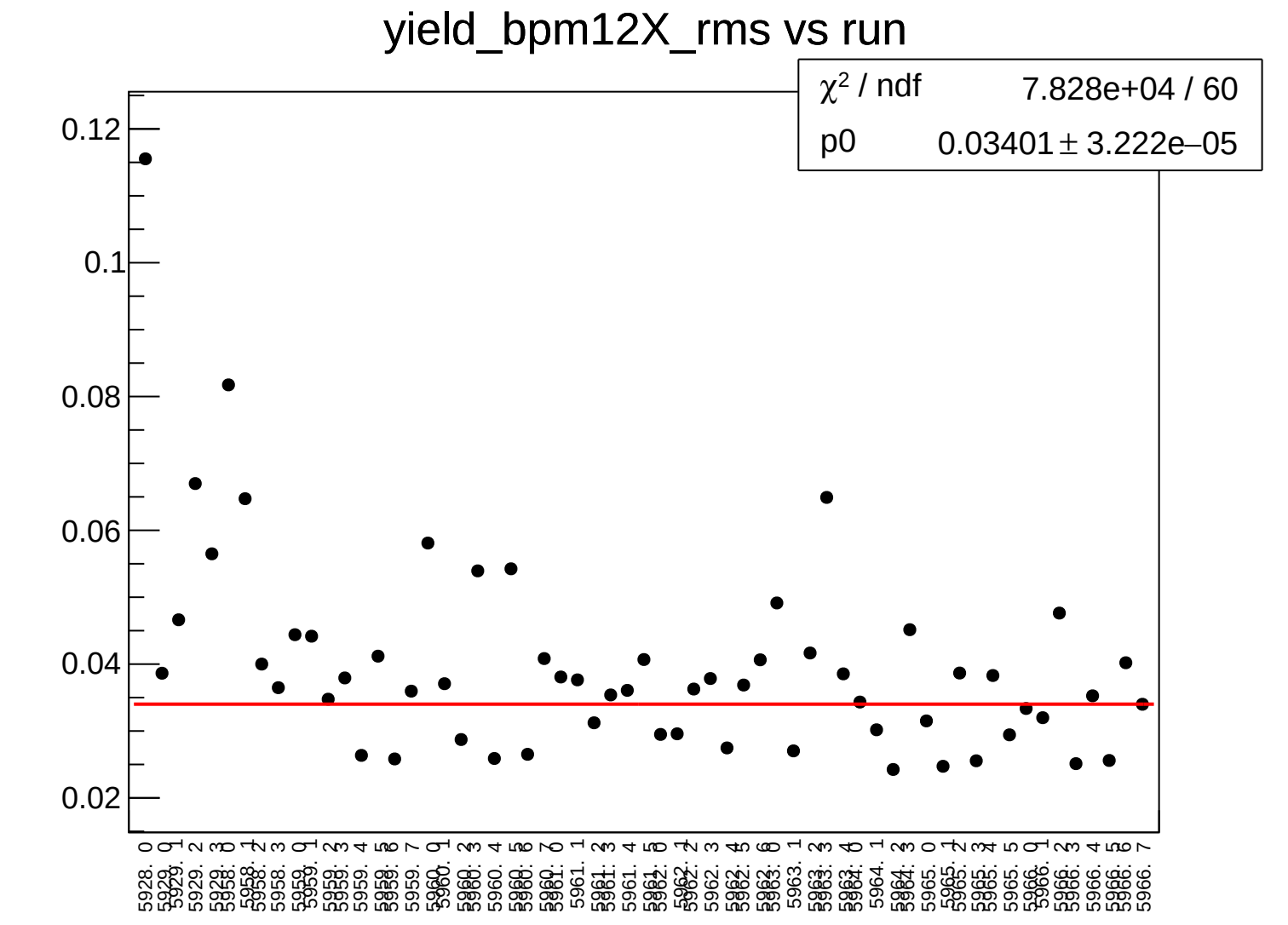

yield_bpm11Y_mean vs run
χ² / ndf 7.632e+06 / 60
p0 0.02658 ± 3.189e−05
pull
Entries 61
Mean 71.53
Std Dev 199.5

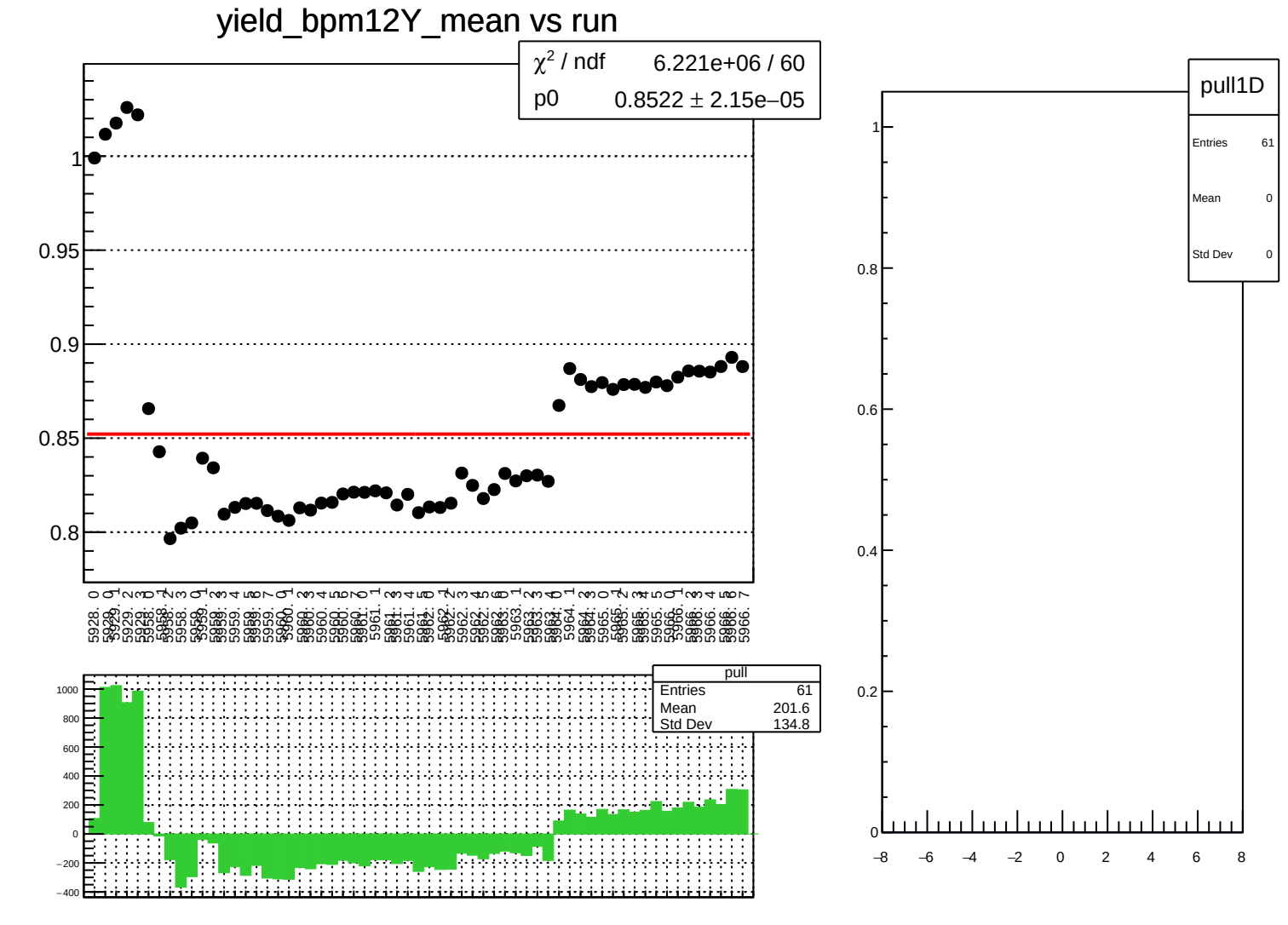

pull1D
Entries 61
Mean 0
Std Dev 0

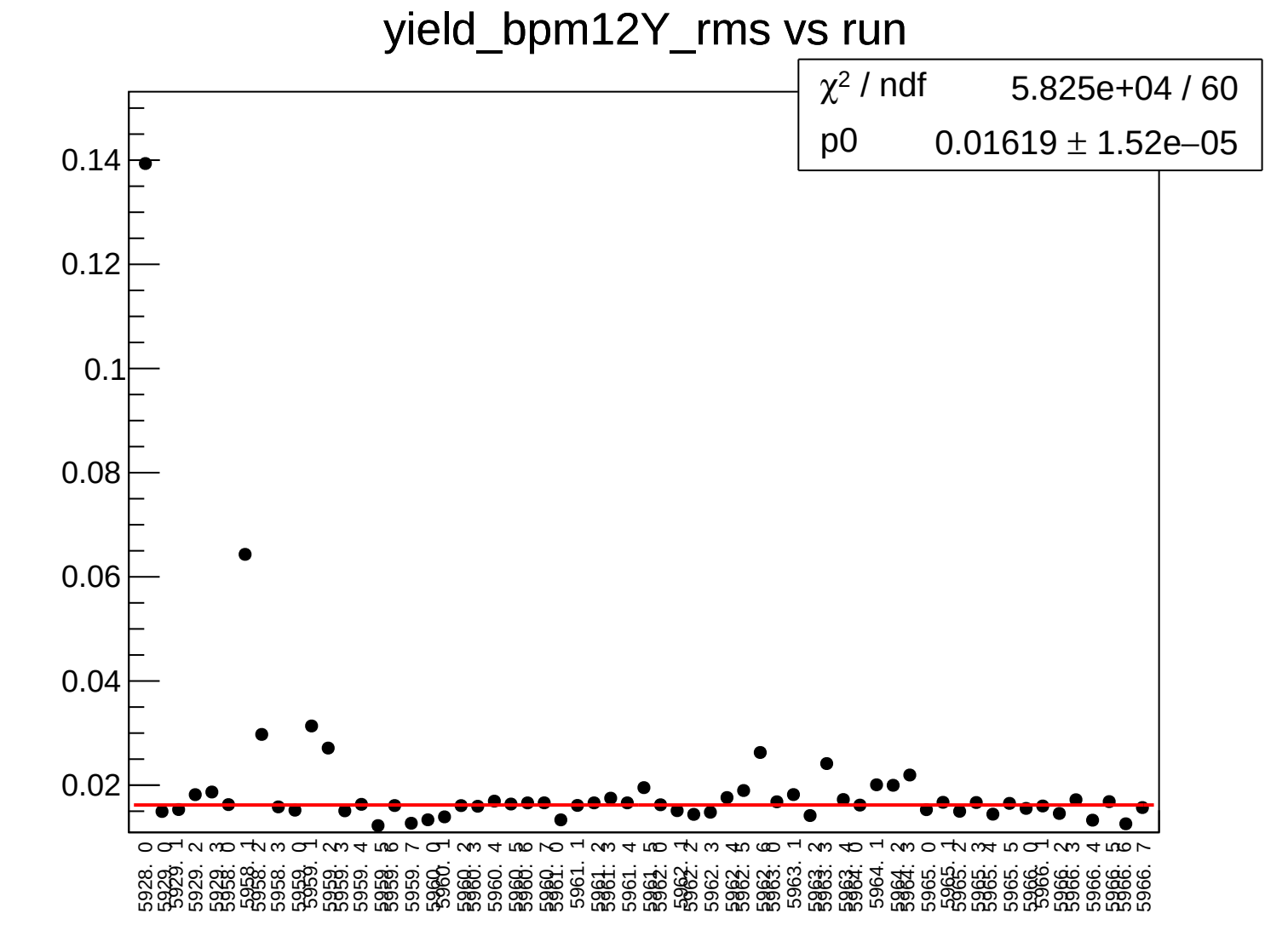

yield_bpm11Y_rms vs run
χ² / ndf 6.023e+04 / 60
p0 0.024 ± 2.255e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

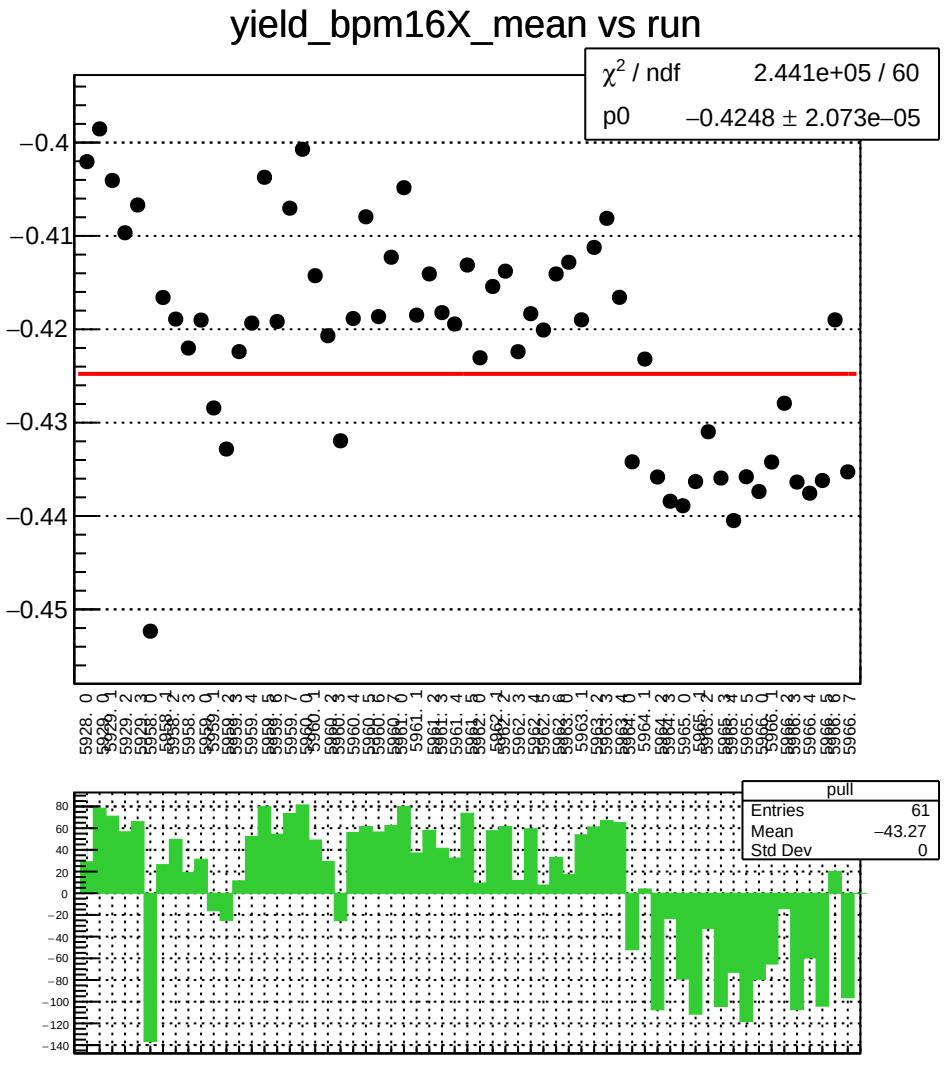

yield_bpm12X_mean vs run
χ² / ndf 8.897e+04 / 60
p0 −1.072 ± 4.556e−05
−1.02
−1.04
−1.06
−1.08
−1.1
−1.12
−1.14
pull
Entries 61
Mean −39.98
Std Dev 0
60
40
20
0
−20
−40
−60
−80

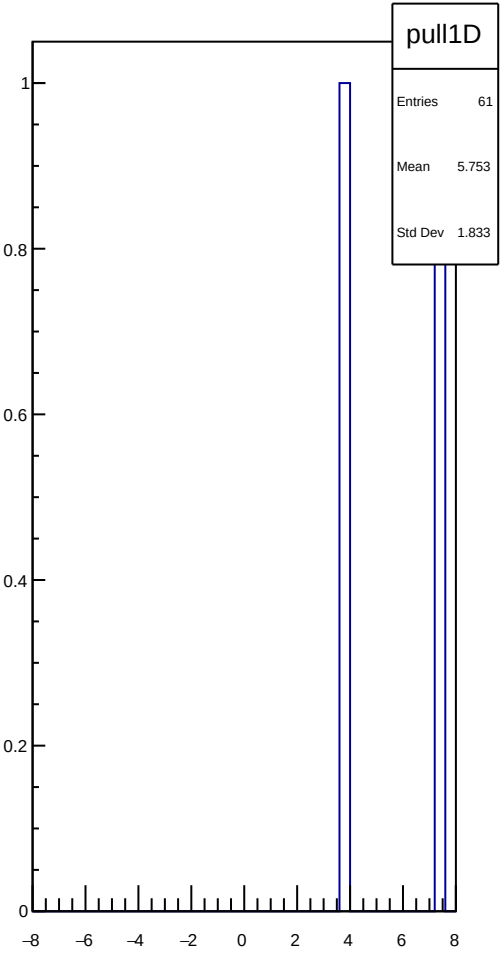

pull1D
Entries 61
Mean 2.991
Std Dev 3.091
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

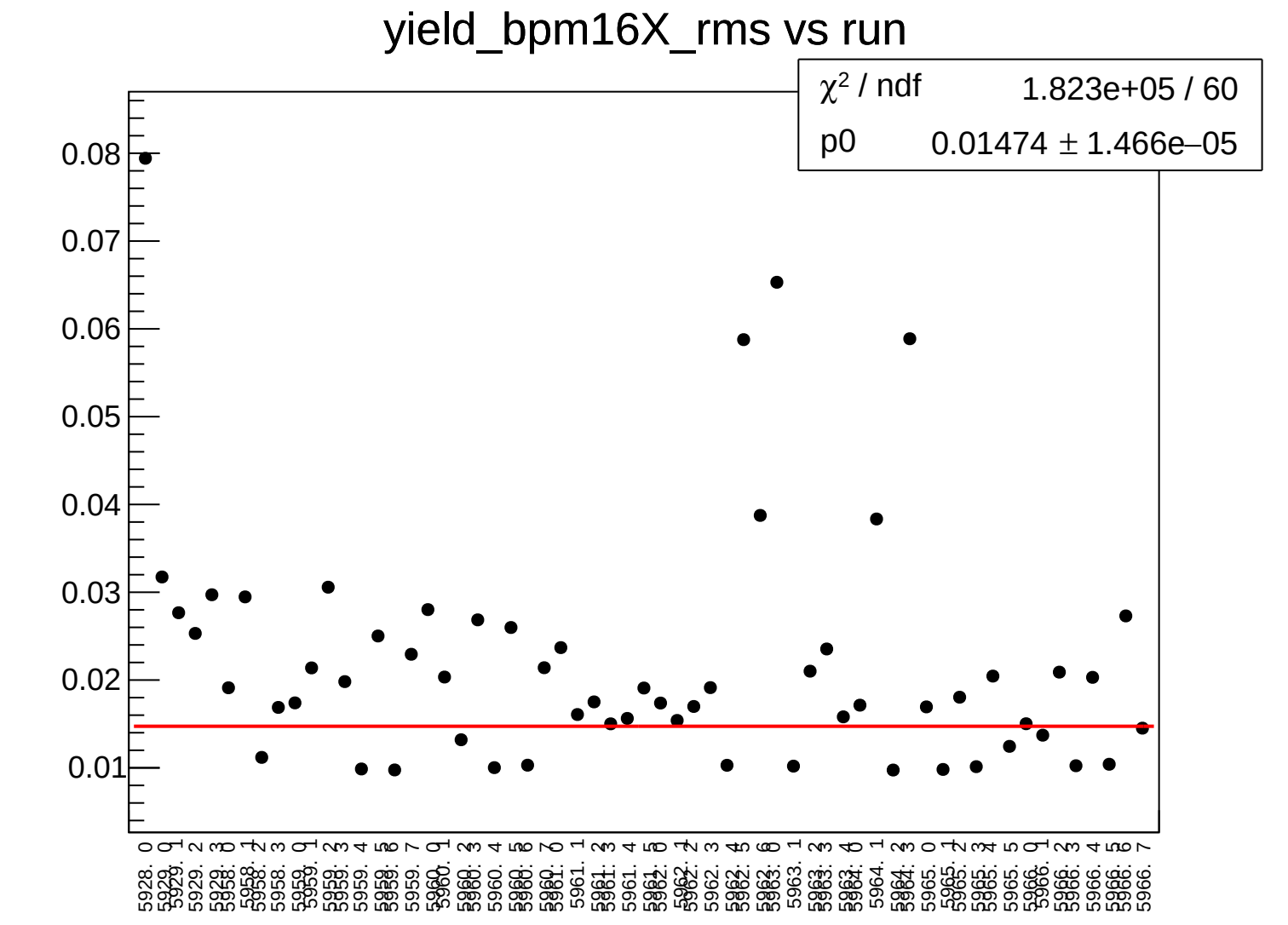

yield_bpm12X_rms vs run
χ² / ndf 7.828e+04 / 60
p0 0.03401 ± 3.222e−05
0.12
0.1
0.08
0.06
0.04
0.02

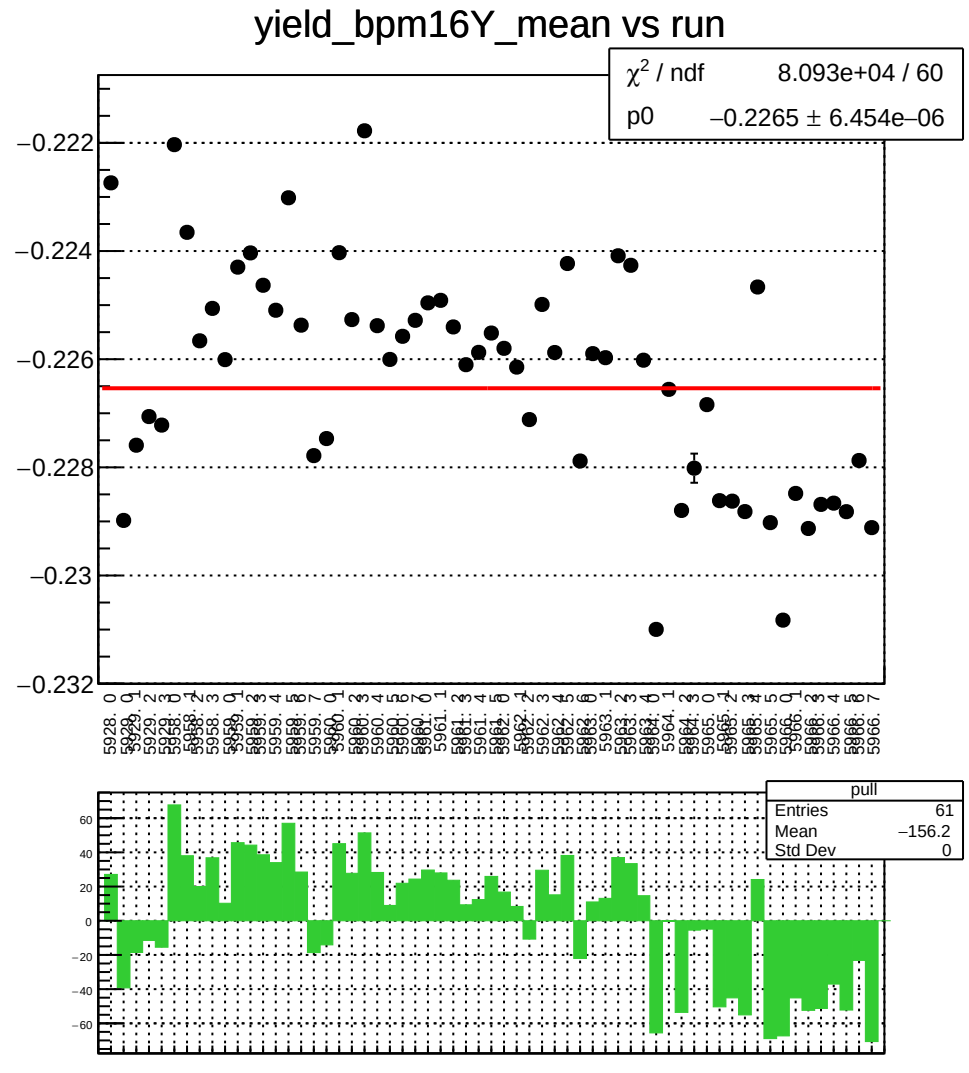

yield_bpm12Y_mean vs run
χ² / ndf 6.221e+06 / 60
p0 0.8522 ± 2.15e−05
pull
Entries 61
Mean 201.6
Std Dev 134.8
pull1D
Entries 61
Mean 0
Std Dev 0

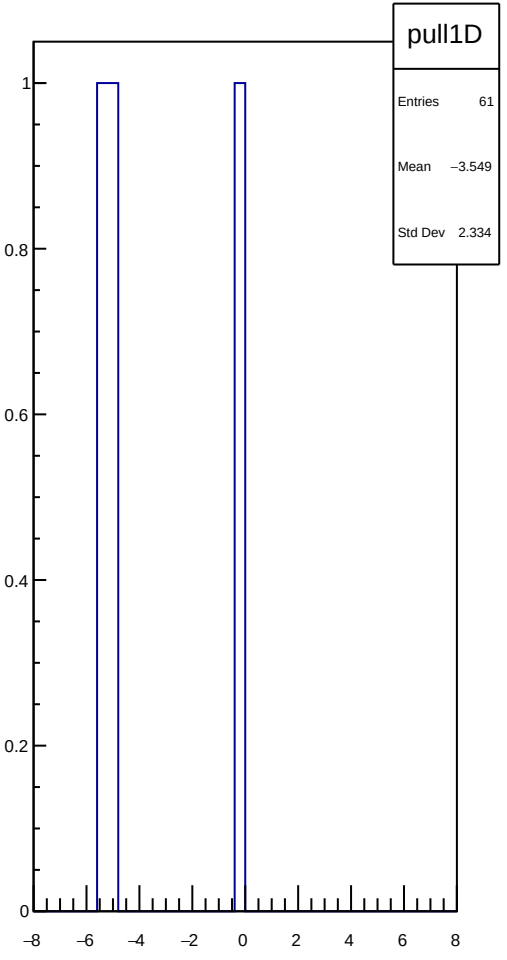

yield_bpm12Y_rms vs run
χ² / ndf 5.825e+04 / 60
p0 0.01619 ± 1.52e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

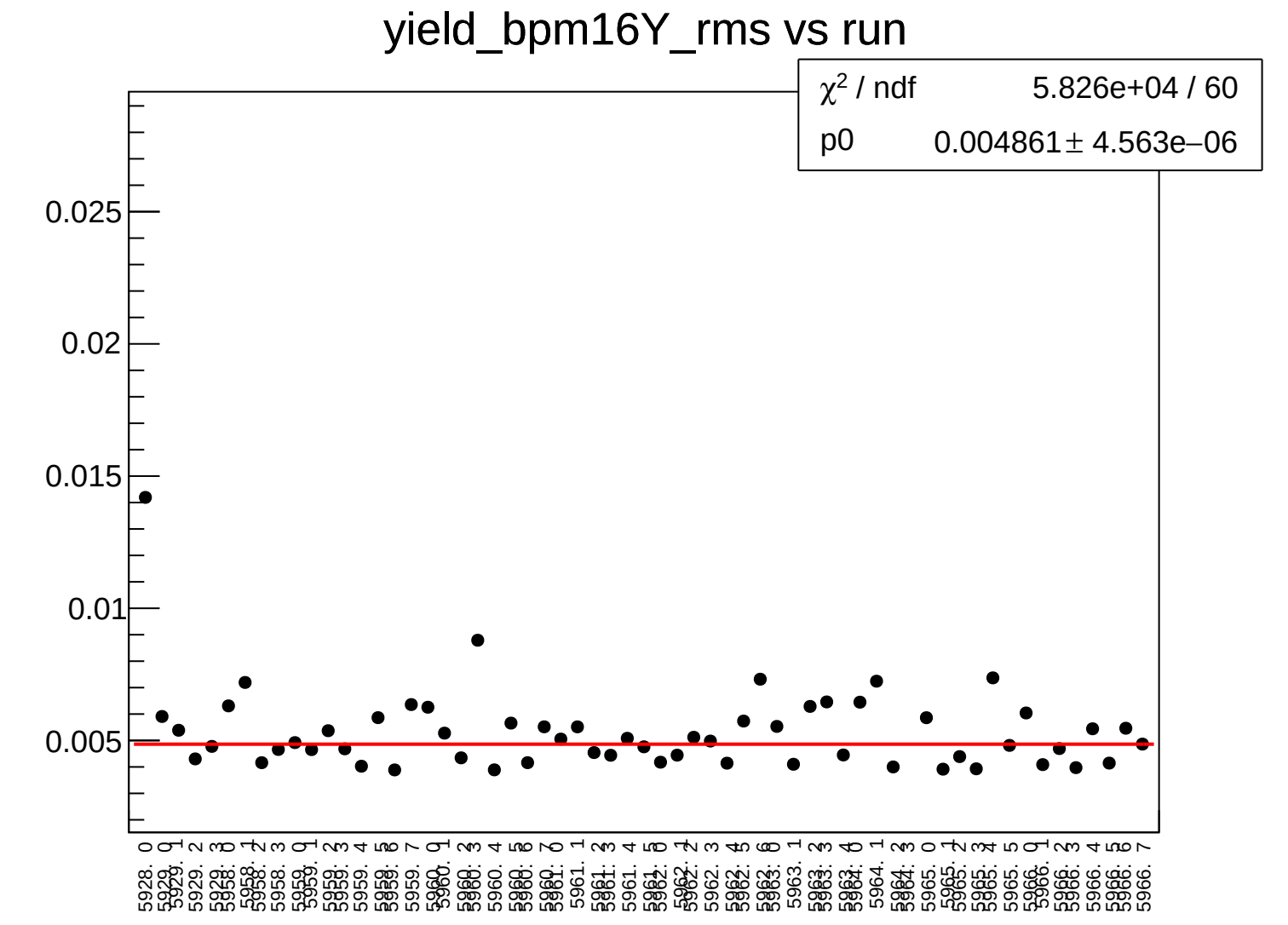

yield_bpm16X_mean vs run
χ² / ndf 2.441e+05 / 60
p0 −0.4248 ± 2.073e−05
pull
Entries 61
Mean −43.27
Std Dev 0

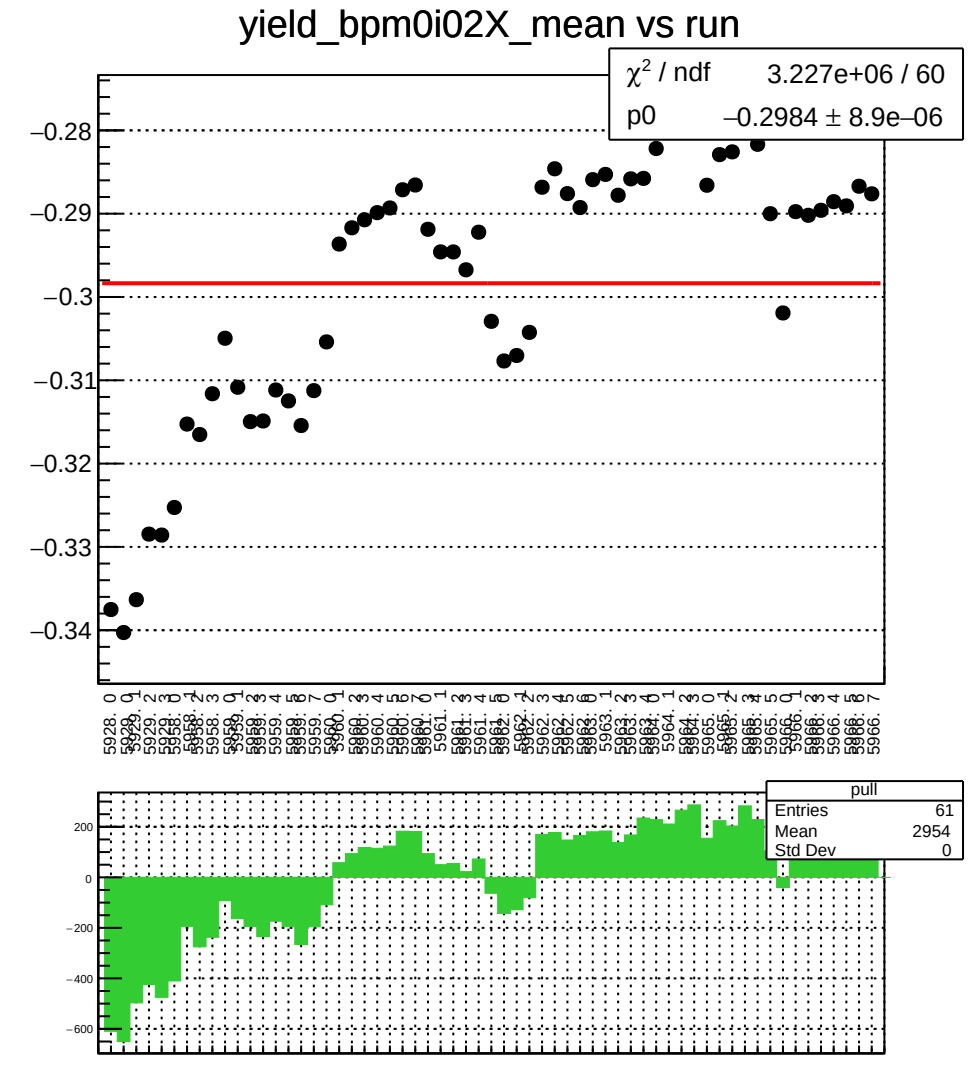

pull1D
Entries 61
Mean 5.753
Std Dev 1.833

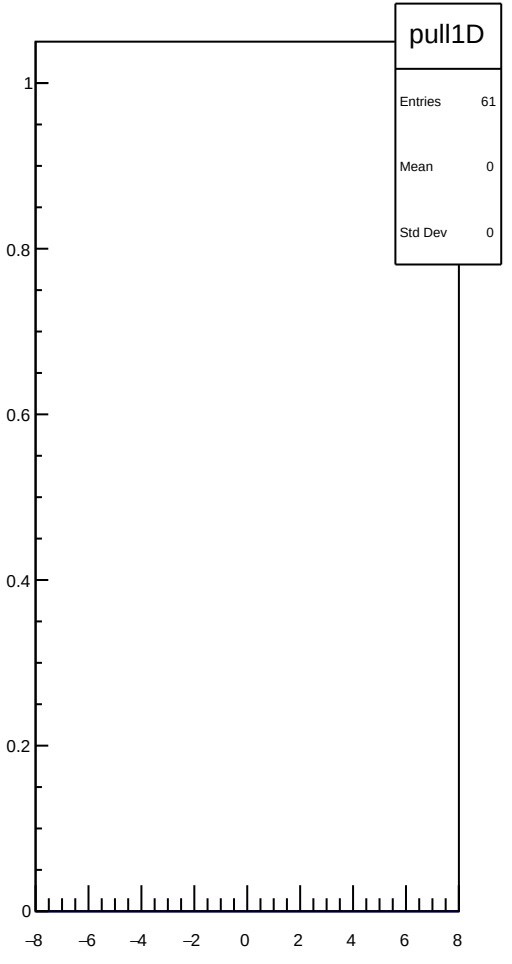

yield_bpm16X_rms vs run
χ² / ndf 1.823e+05 / 60
p0 0.01474 ± 1.466e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

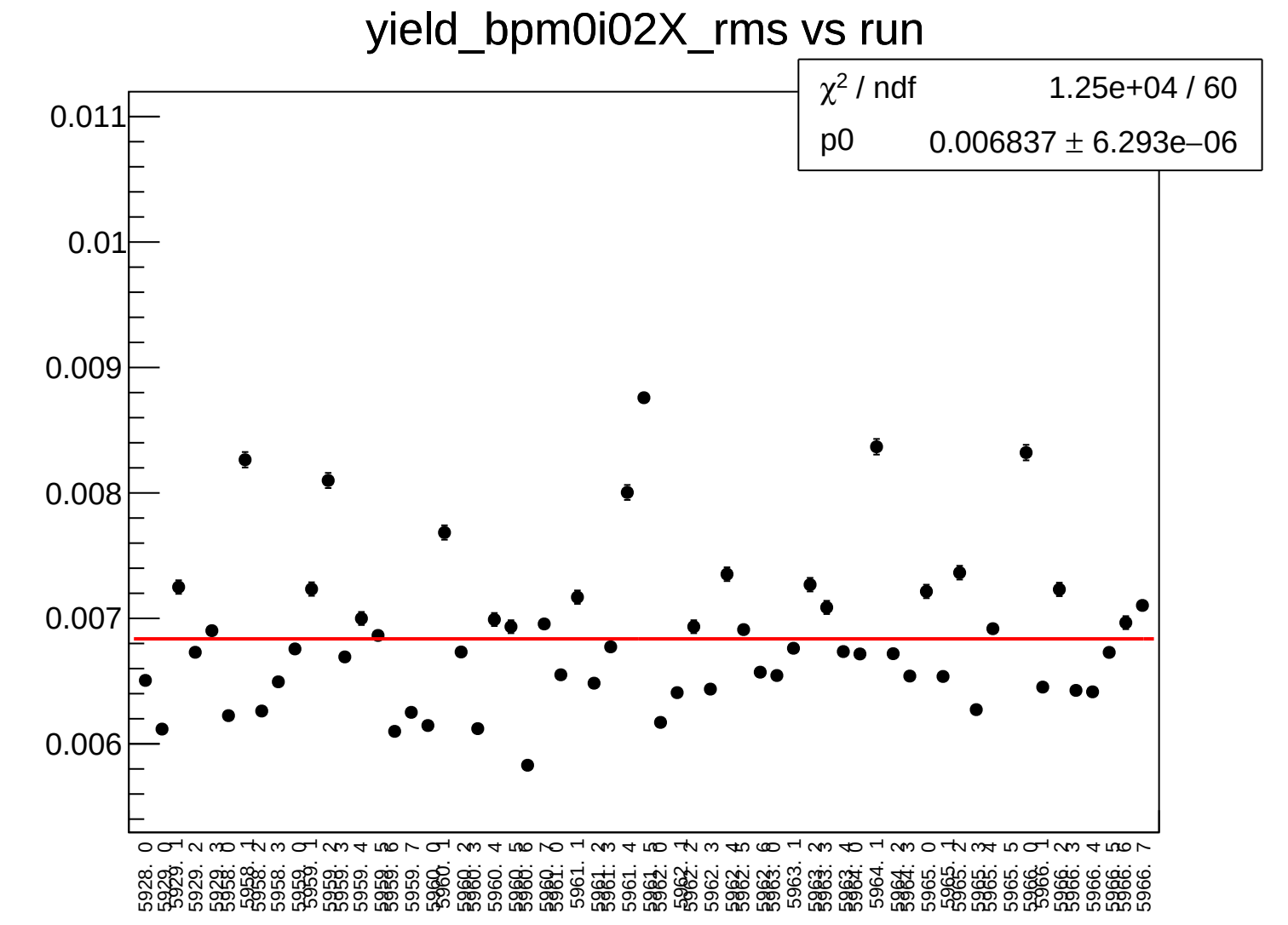

yield_bpm16Y_mean vs run
χ² / ndf 8.093e+04 / 60
p0 −0.2265 ± 6.454e−06
−0.222
−0.224
−0.226
−0.228
−0.23
−0.232
pull
Entries 61
Mean −156.2
Std Dev 0
60
40
20
0
−20
−40
−60

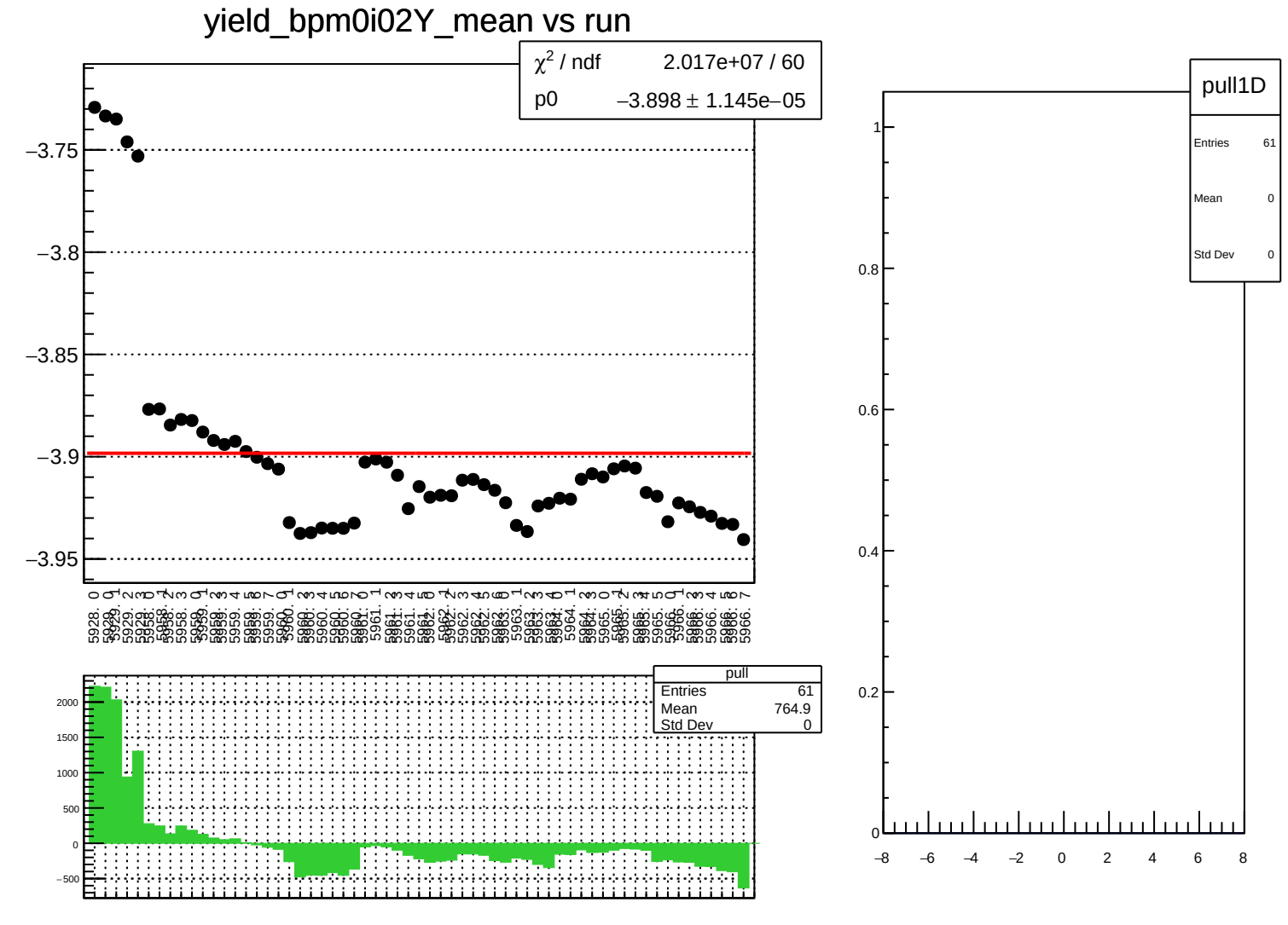

pull1D
Entries 61
Mean −3.549
Std Dev 2.334
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

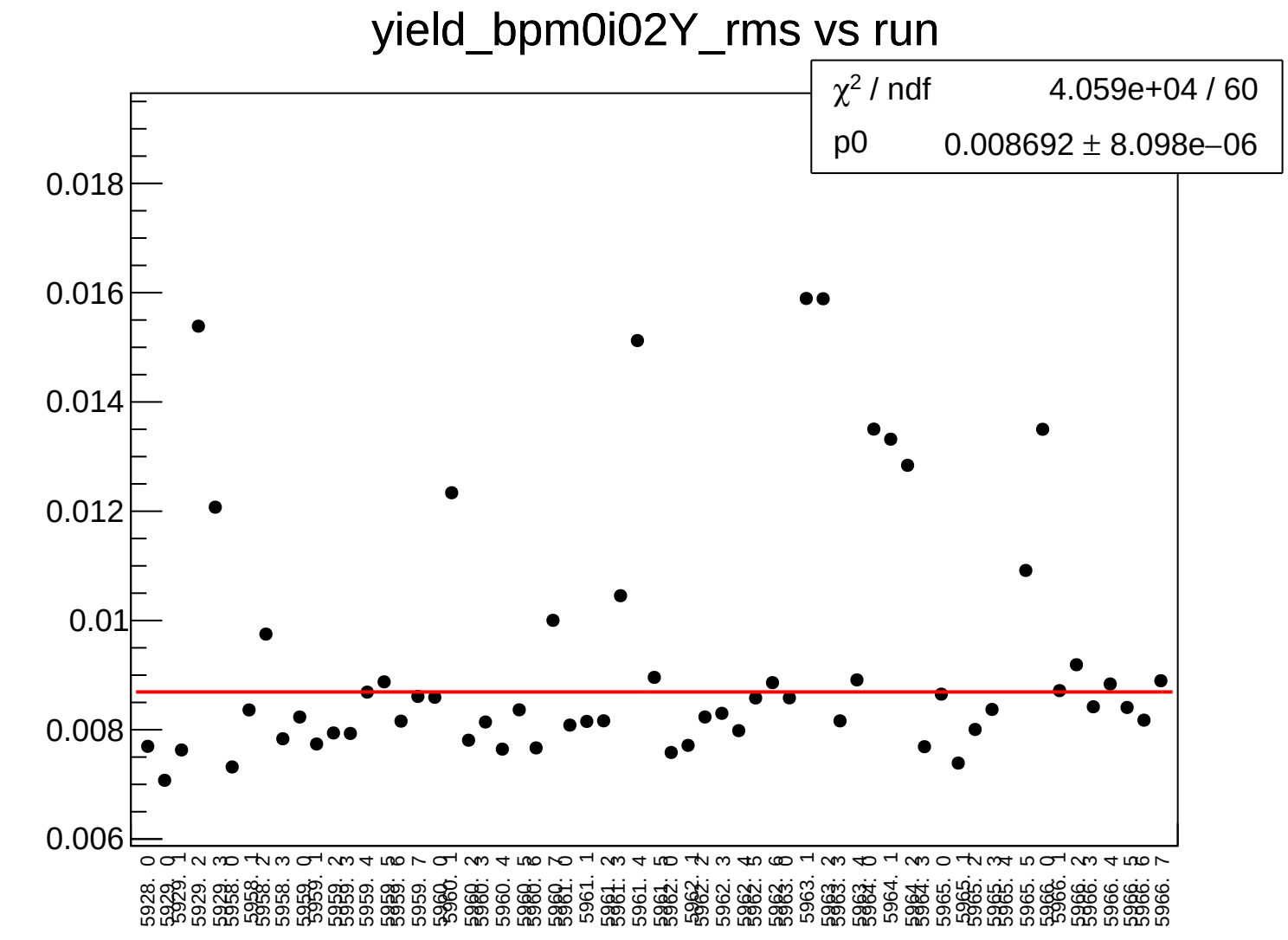

yield_bpm16Y_rms vs run
χ² / ndf 5.826e+04 / 60
p0 0.004861 ± 4.563e−06
0.025
0.02
0.015
0.01
0.005

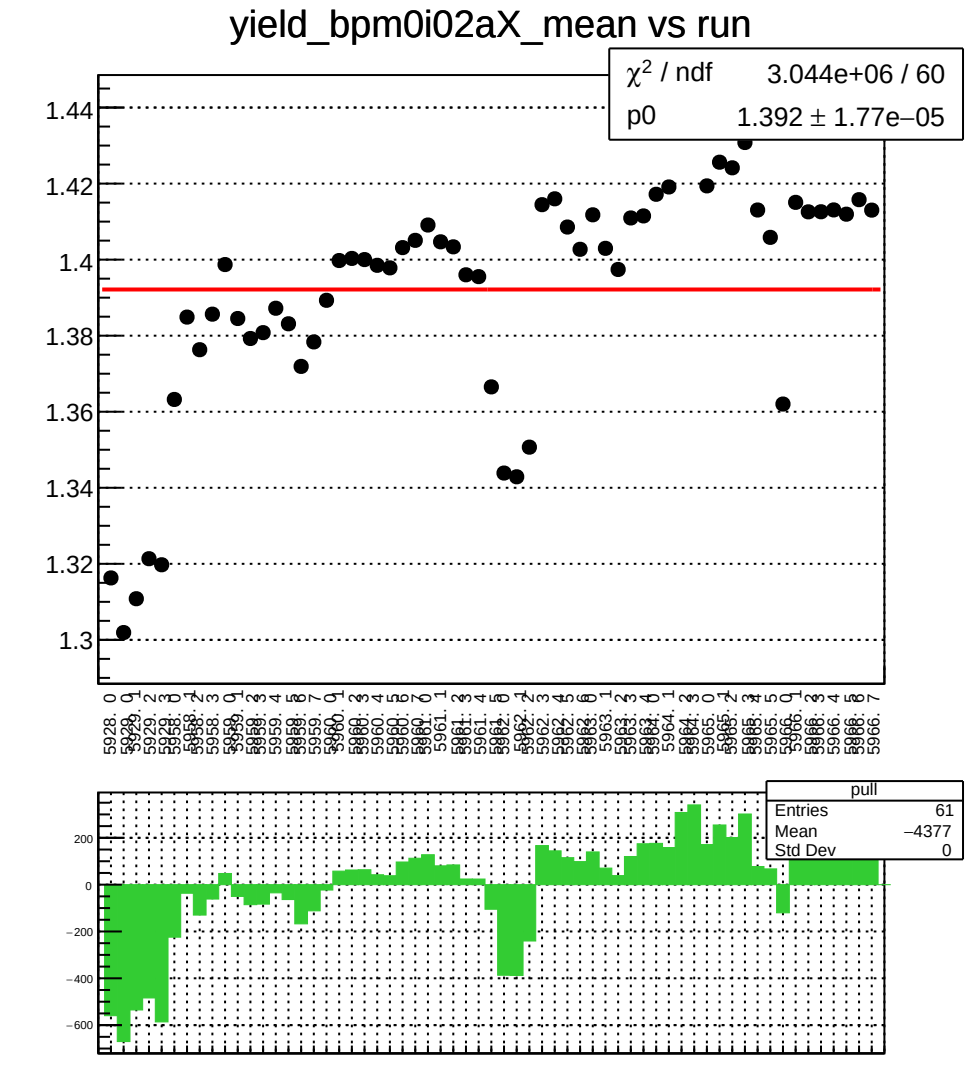

yield_bpm0i02X_mean vs run
χ² / ndf 3.227e+06 / 60
p0 –0.2984 ± 8.9e–06
–0.28
–0.29
–0.3
–0.31
–0.32
–0.33
–0.34
pull
Entries 61
Mean 2954
Std Dev 0
200
0
–200
–400
–600

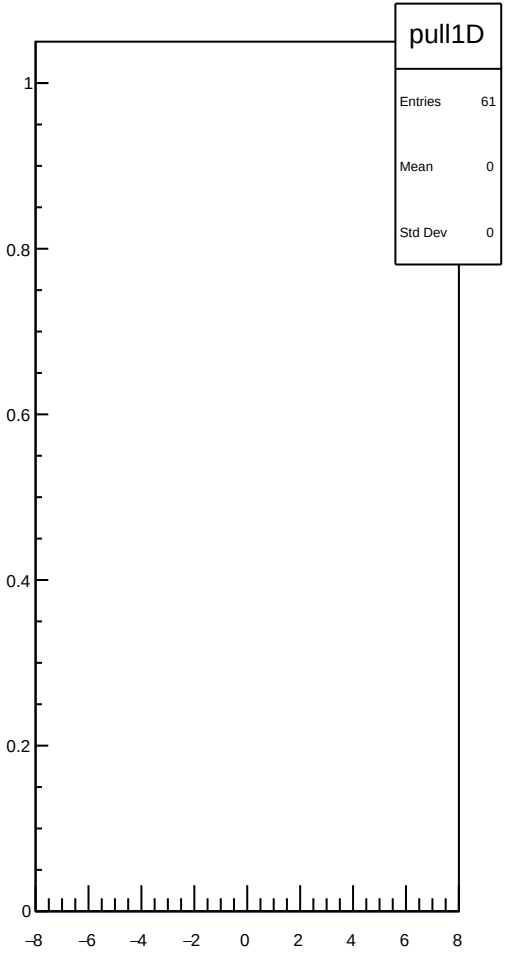

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

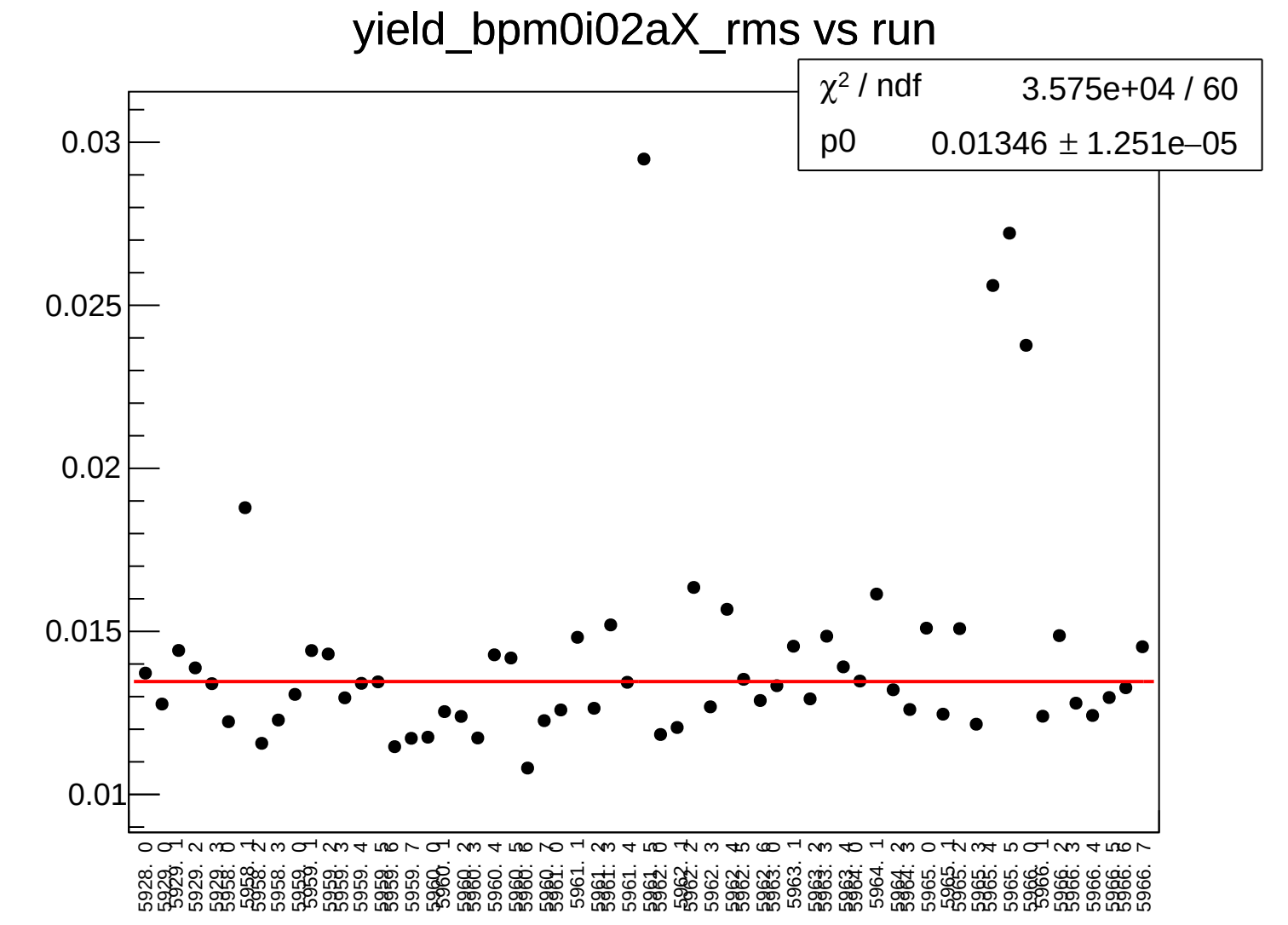

yield_bpm0i02X_rms vs run
χ² / ndf 1.25e+04 / 60
p0 0.006837 ± 6.293e−06
0.011
0.01
0.009
0.008
0.007
0.006

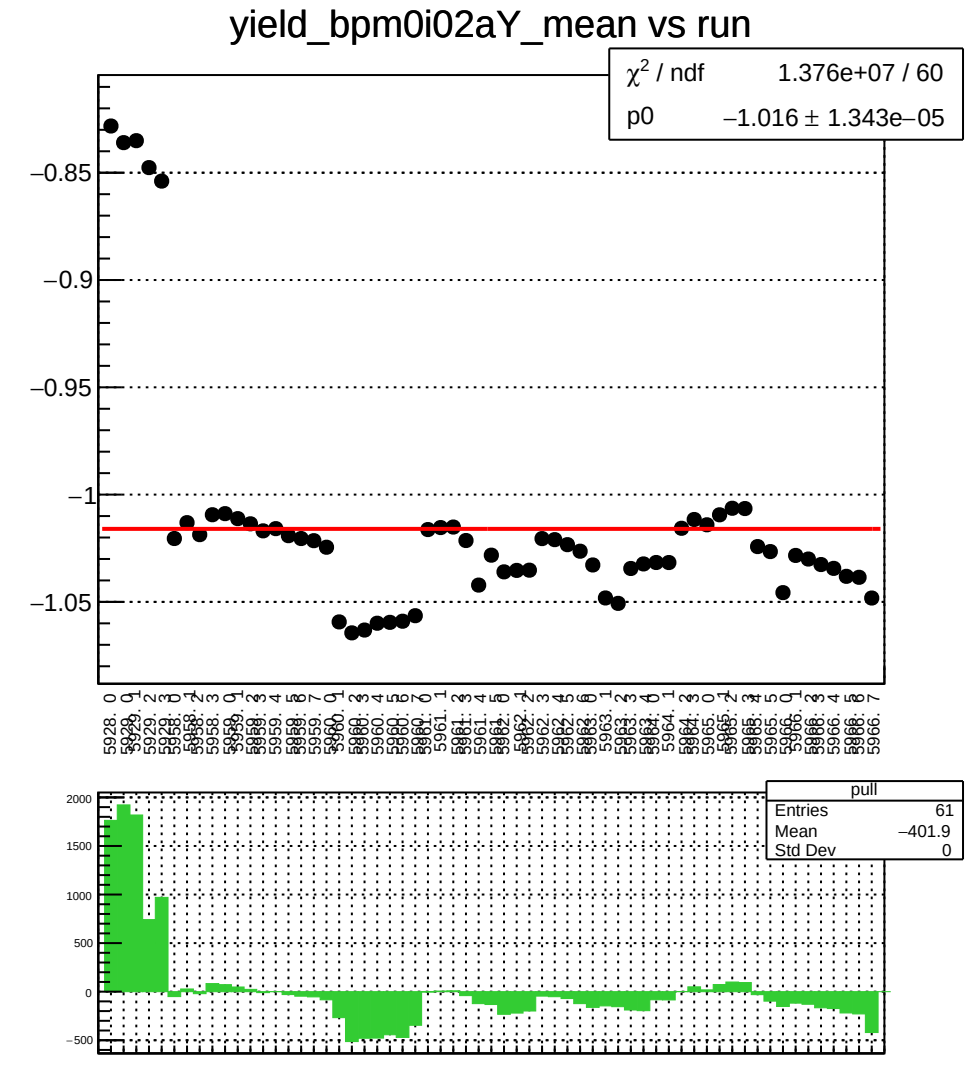

yield_bpm0i02Y_mean vs run
χ² / ndf 2.017e+07 / 60
p0 −3.898 ± 1.145e−05
−3.75
−3.8
−3.85
−3.9
−3.95
pull
Entries 61
Mean 764.9
Std Dev 0
2000
1500
1000
500
0
−500
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

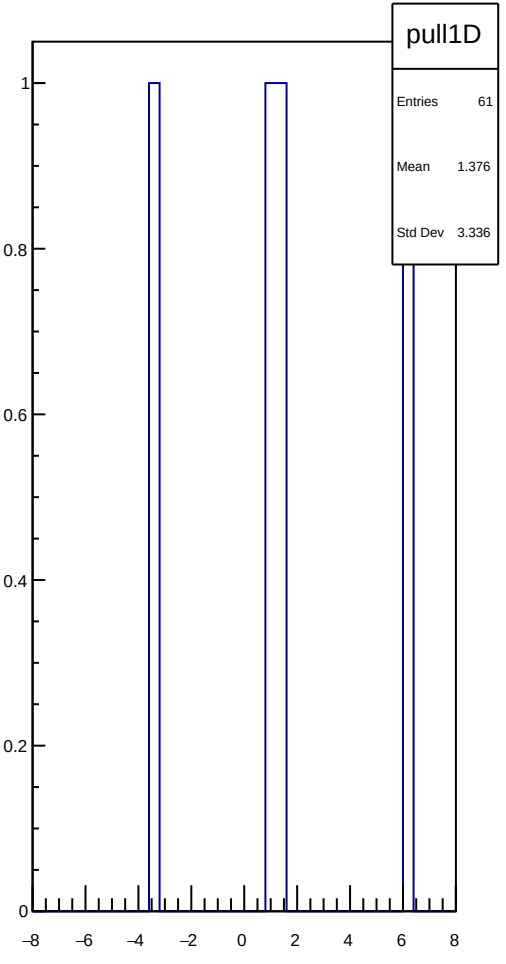

yield_bpm0i02Y_rms vs run
χ² / ndf 4.059e+04 / 60
p0 0.008692 ± 8.098e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

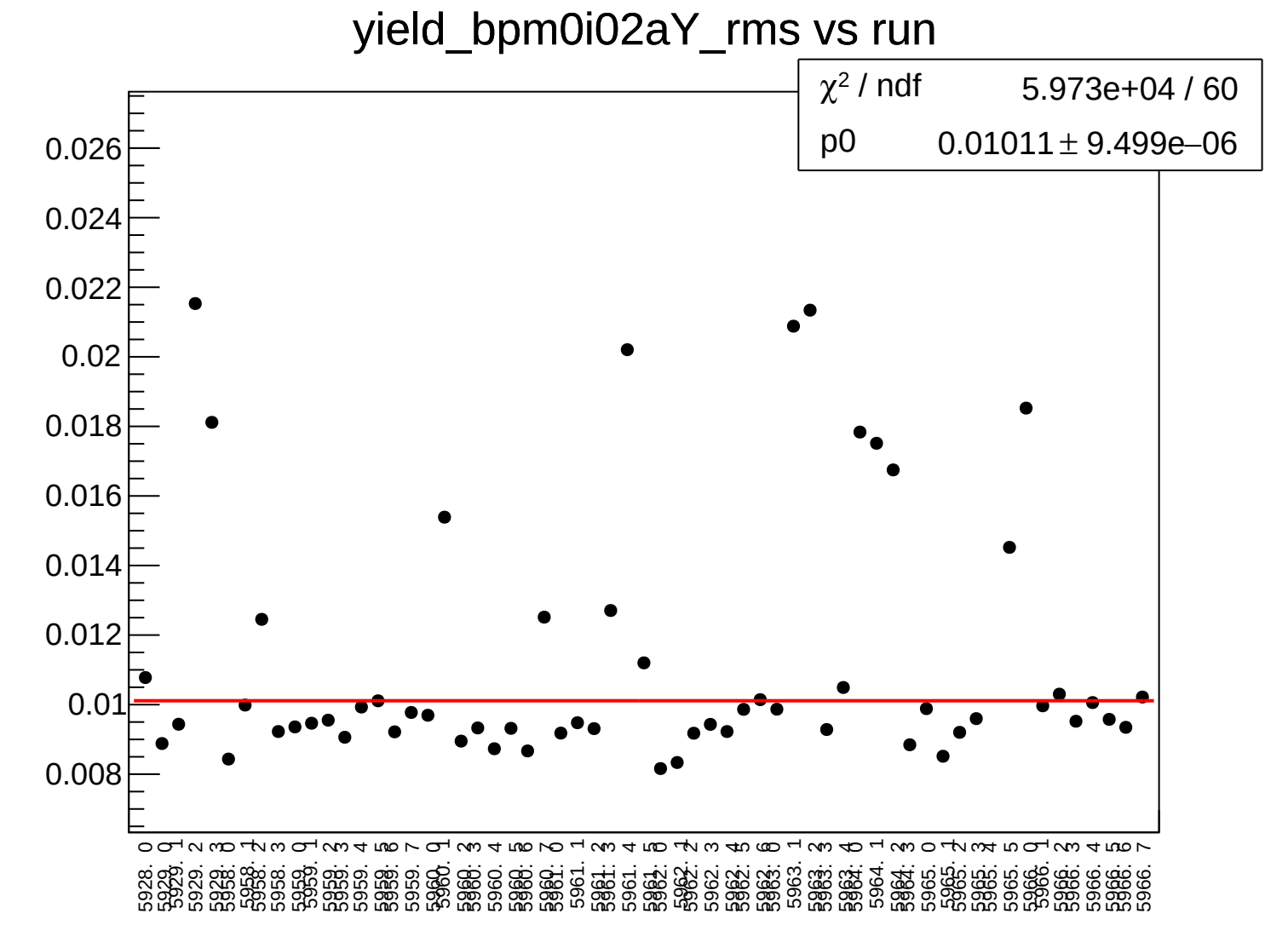

yield_bpm0i02aX_mean vs run
χ² / ndf 3.044e+06 / 60
p0 1.392 ± 1.77e−05
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
pull
Entries 61
Mean −4377
Std Dev 0
200
0
−200
−400
−600

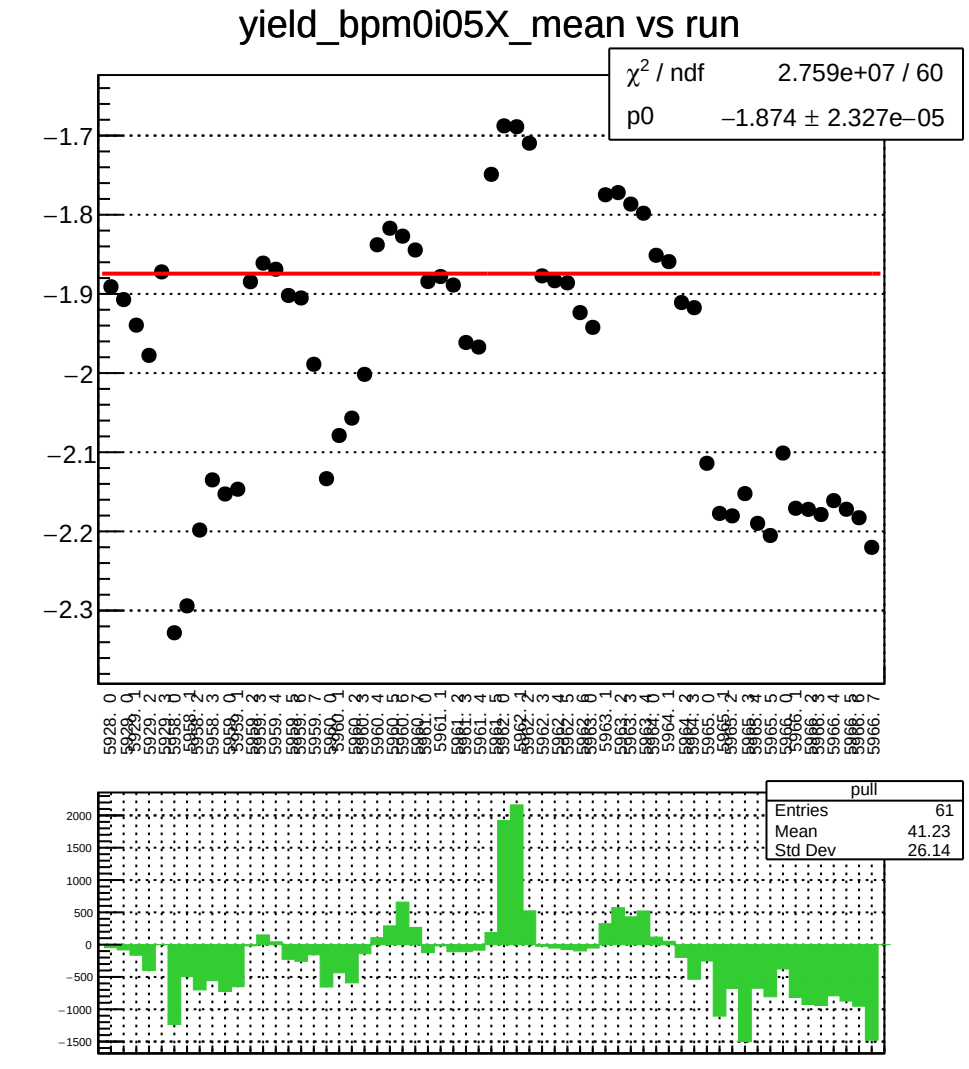

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

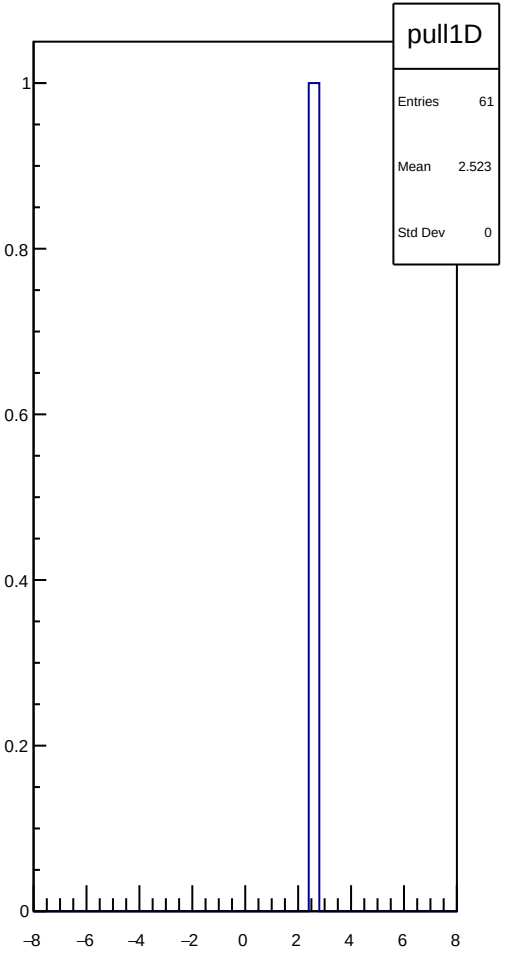

yield_bpm0i02aX_rms vs run
χ² / ndf 3.575e+04 / 60
p0 0.01346 ± 1.251e–05
0.03
0.025
0.02
0.015
0.01

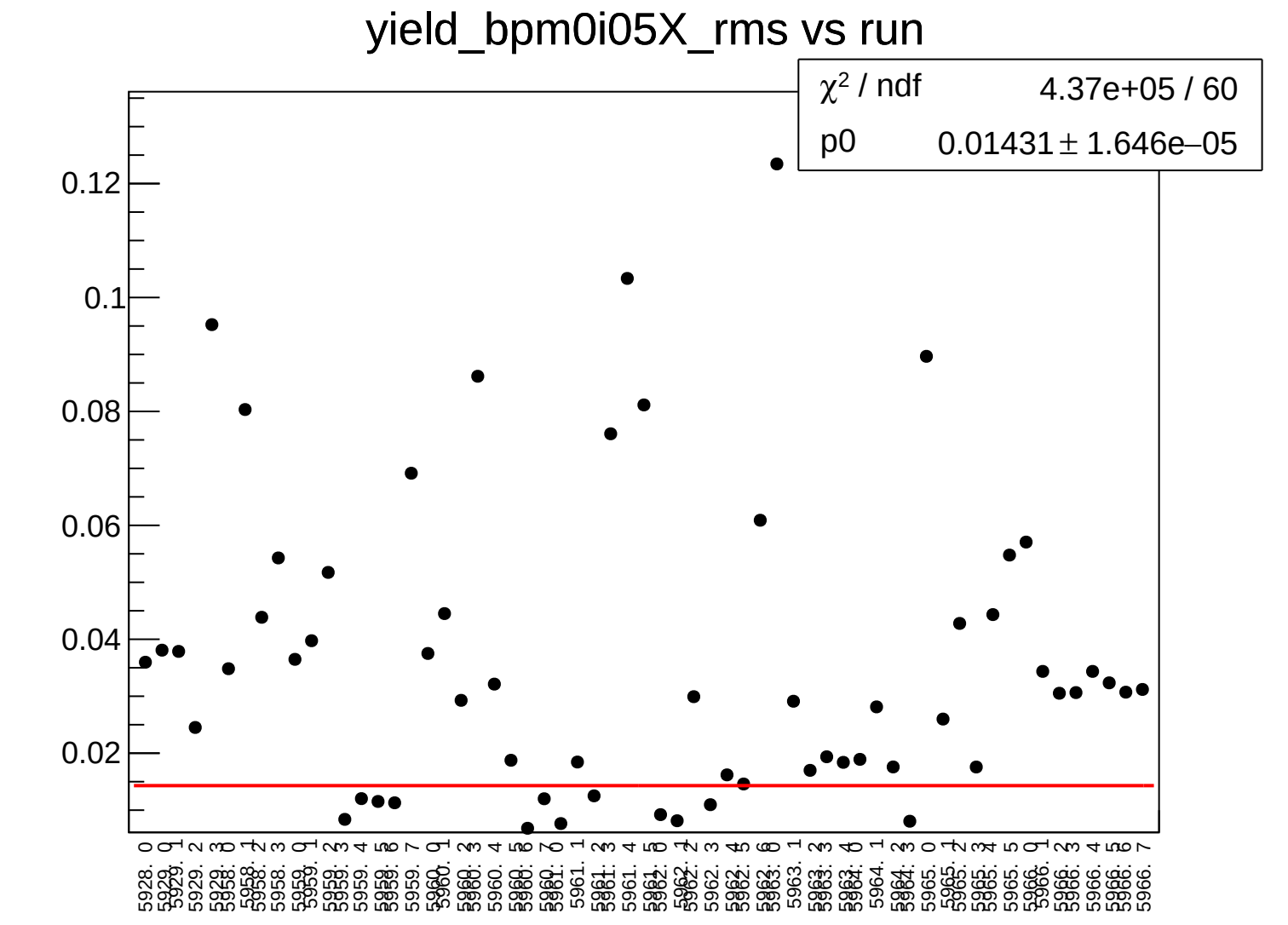

yield_bpm0i02aY_mean vs run
χ² / ndf 1.376e+07 / 60
p0 −1.016 ± 1.343e−05
−0.85
−0.9
−0.95
−1
−1.05
pull
Entries 61
Mean −401.9
Std Dev 0
2000
1500
1000
500
0
−500

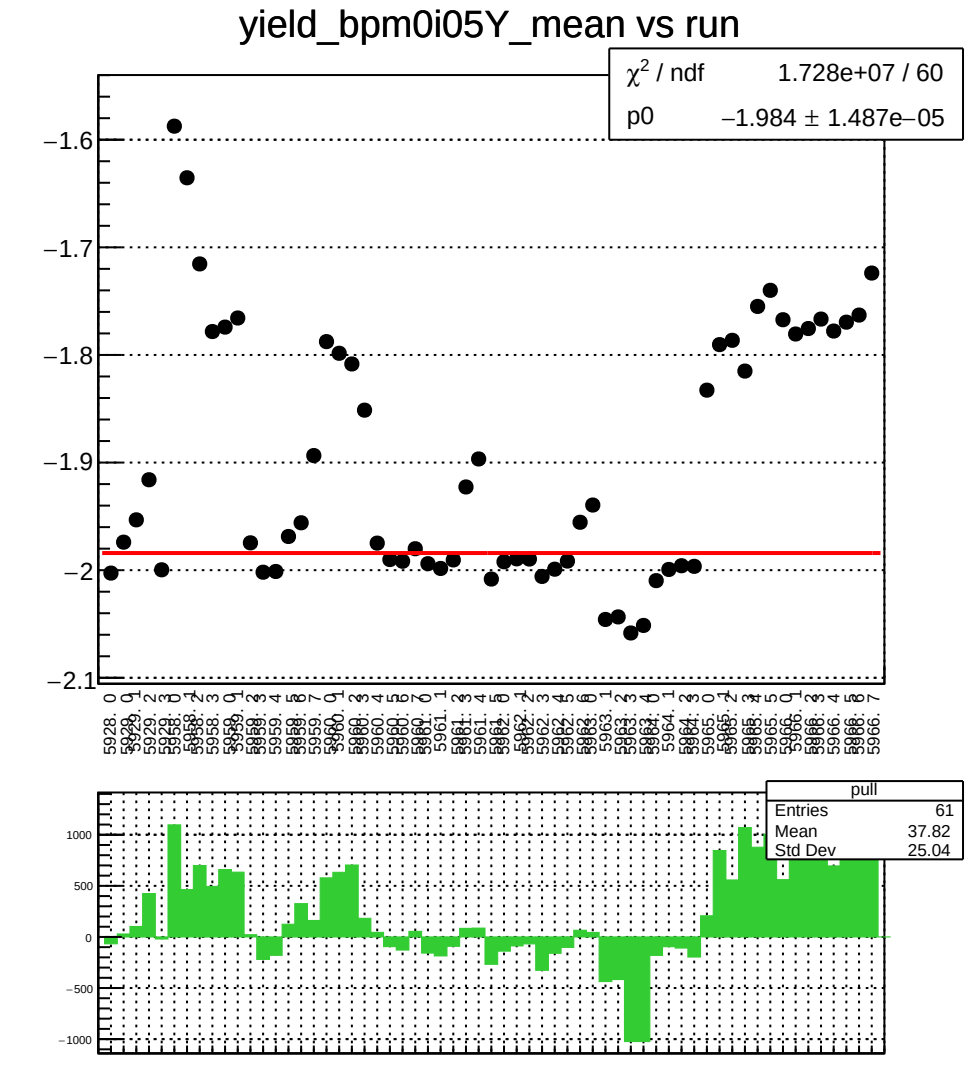

pull1D
Entries 61
Mean 1.376
Std Dev 3.336
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

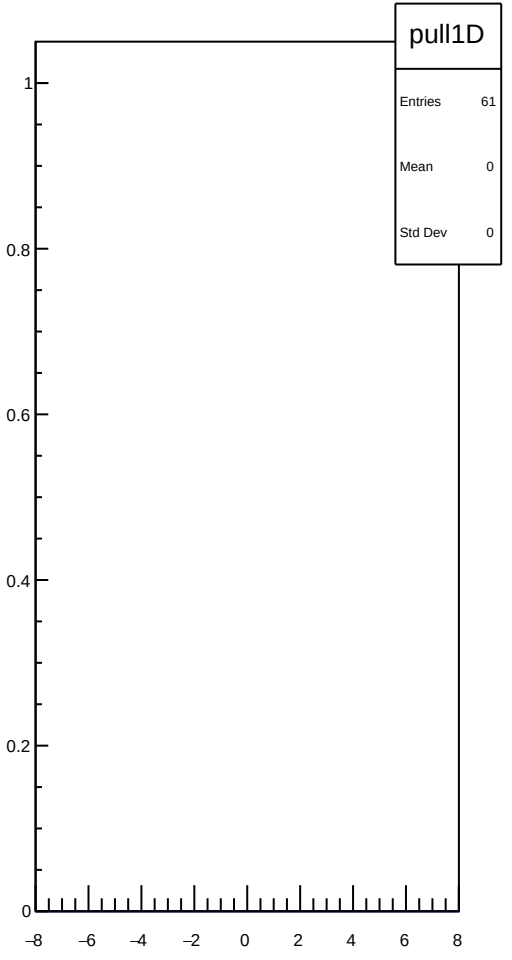

yield_bpm0i02aY_rms vs run
χ² / ndf 5.973e+04 / 60
p0 0.01011 ± 9.499e–06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

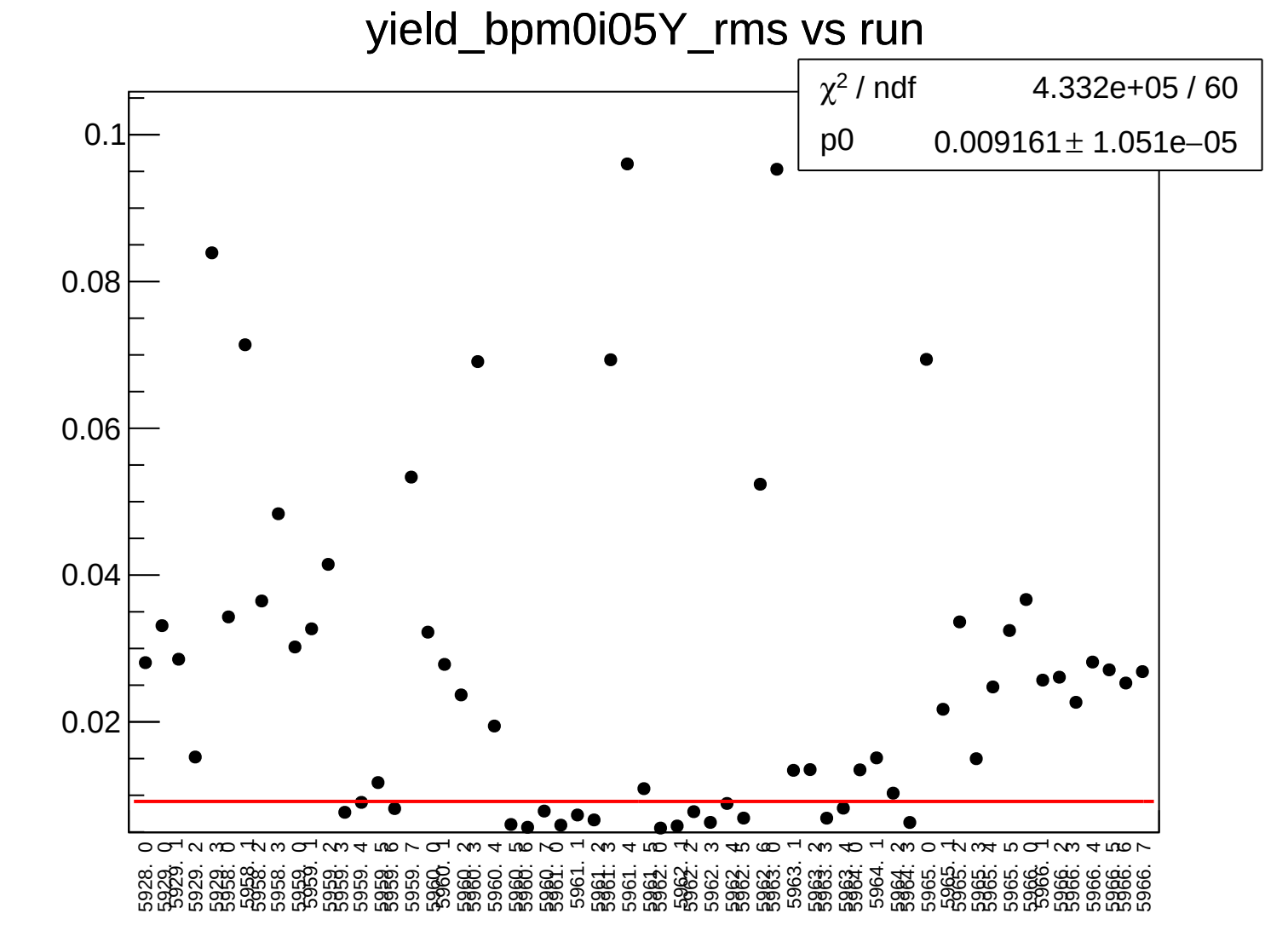

yield_bpm0i05X_mean vs run
χ² / ndf 2.759e+07 / 60
p0 −1.874 ± 2.327e−05
pull
Entries 61
Mean 41.23
Std Dev 26.14

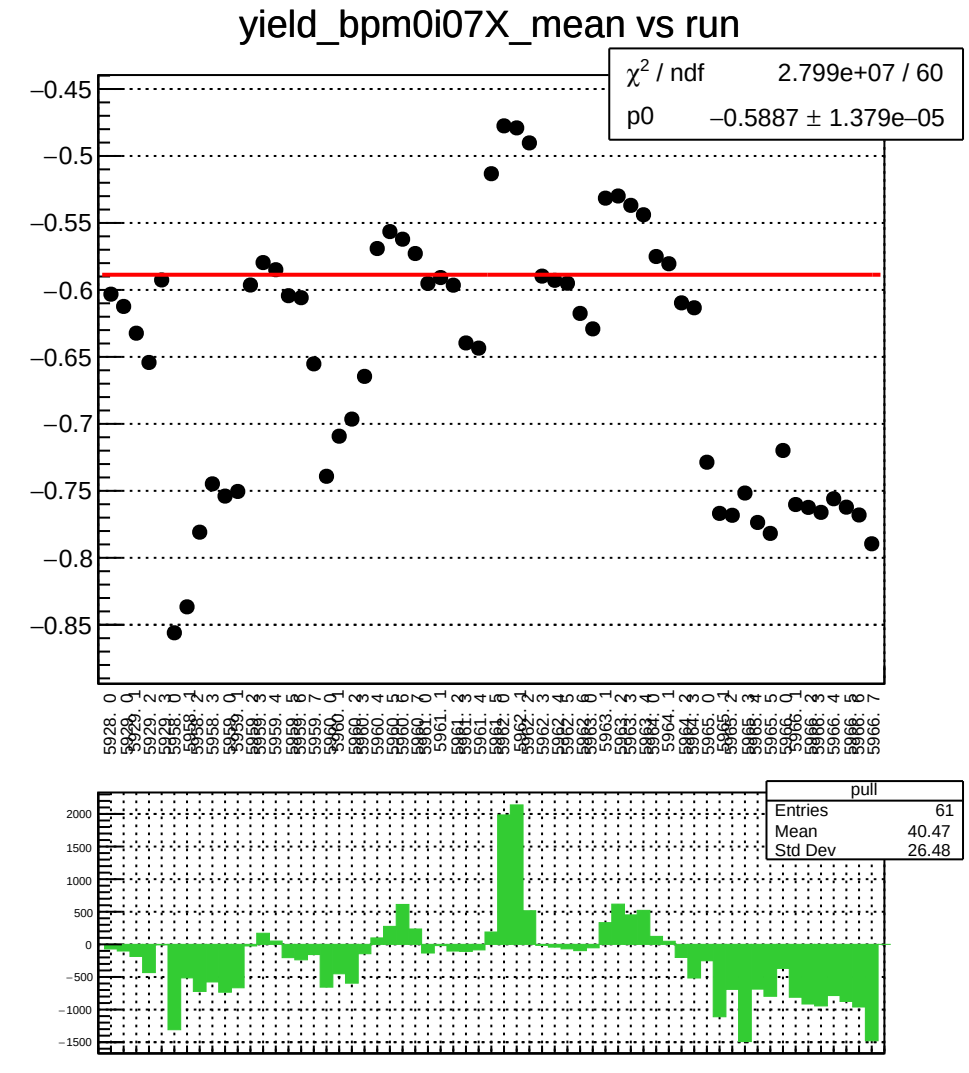

pull1D
Entries 61
Mean 2.523
Std Dev 0

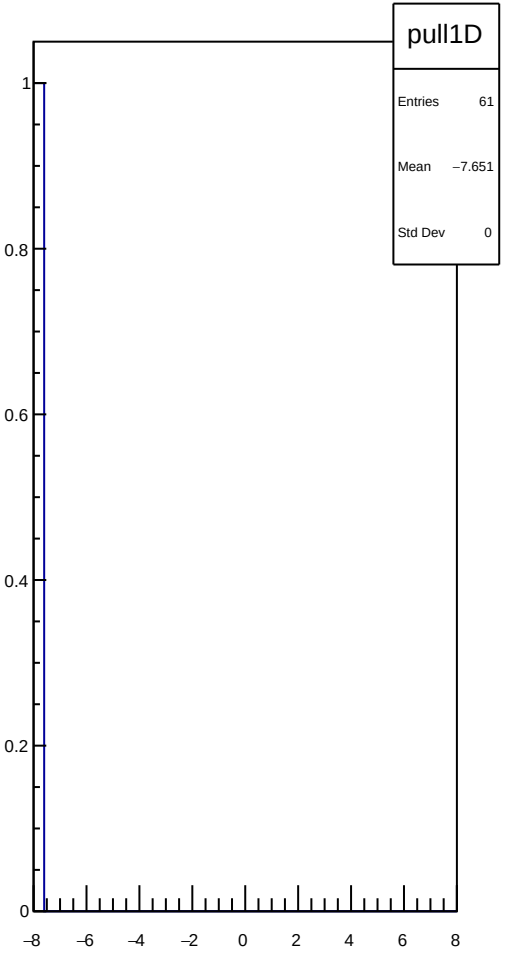

yield_bpm0i05X_rms vs run
χ² / ndf 4.37e+05 / 60
p0 0.01431 ± 1.646e–05
0.12
0.1
0.08
0.06
0.04
0.02

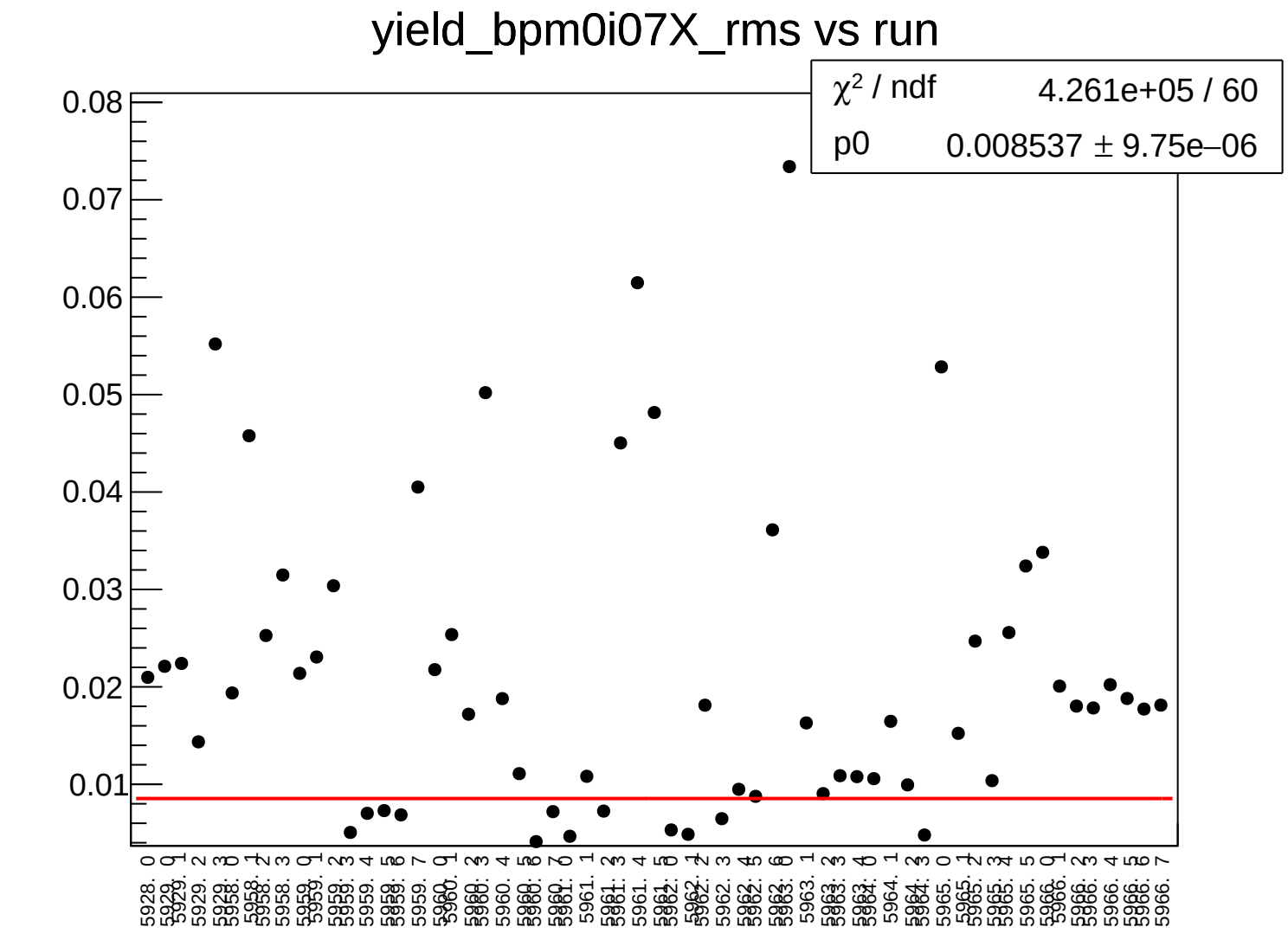

yield_bpm0i05Y_mean vs run
χ² / ndf 1.728e+07 / 60
p0 −1.984 ± 1.487e−05
−1.6
−1.7
−1.8
−1.9
−2
−2.1
pull
Entries 61
Mean 37.82
Std Dev 25.04
1000
500
0
−500
−1000

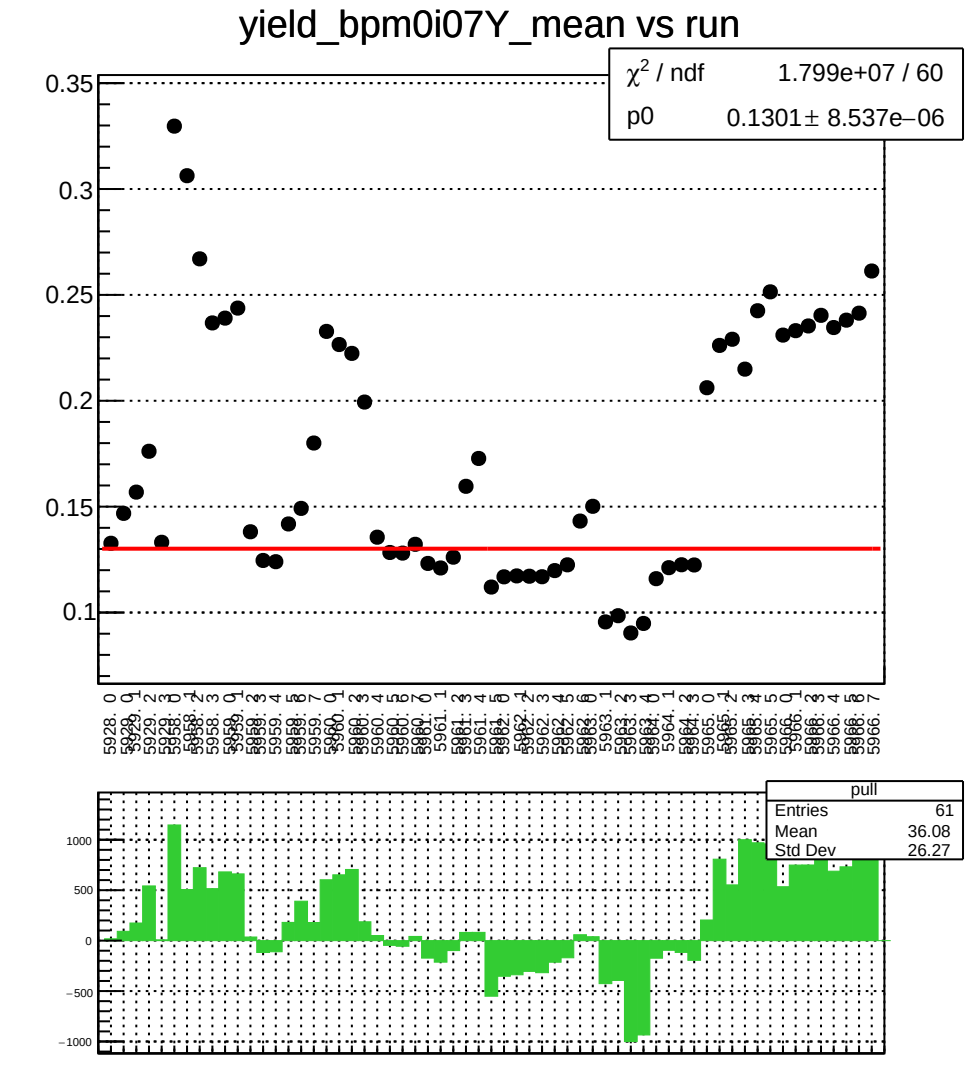

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

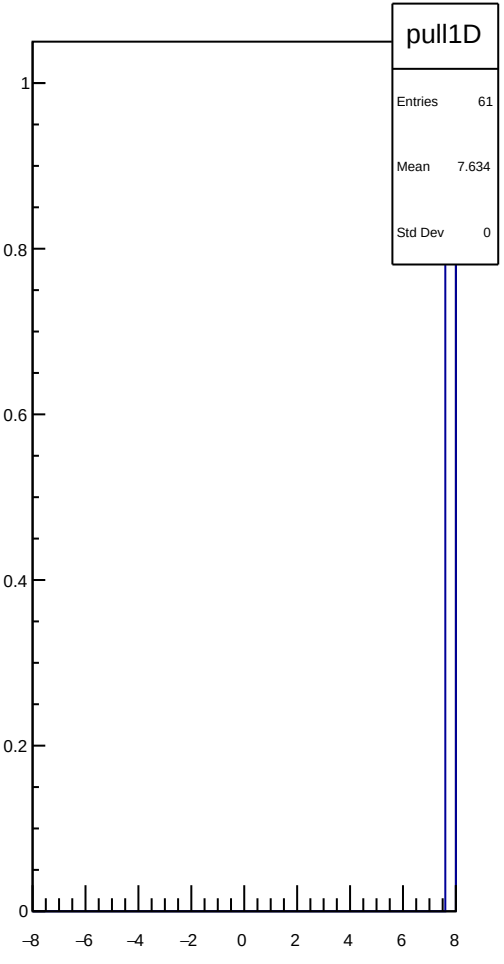

yield_bpm0i05Y_rms vs run
χ² / ndf 4.332e+05 / 60
p0 0.009161 ± 1.051e−05
0.1
0.08
0.06
0.04
0.02

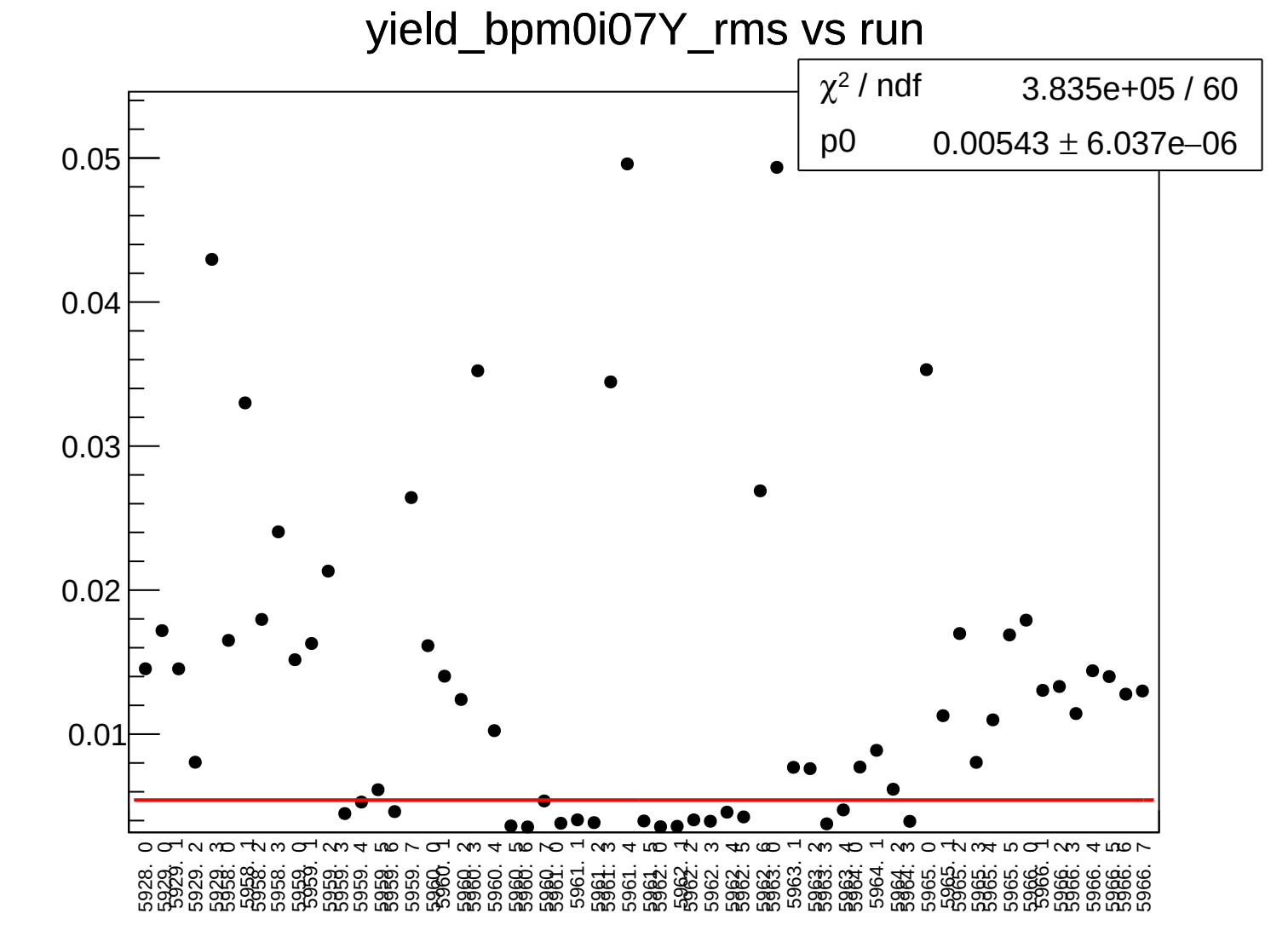

yield_bpm0i07X_mean vs run
χ² / ndf 2.799e+07 / 60
p0 −0.5887 ± 1.379e−05
pull
Entries 61
Mean 40.47
Std Dev 26.48

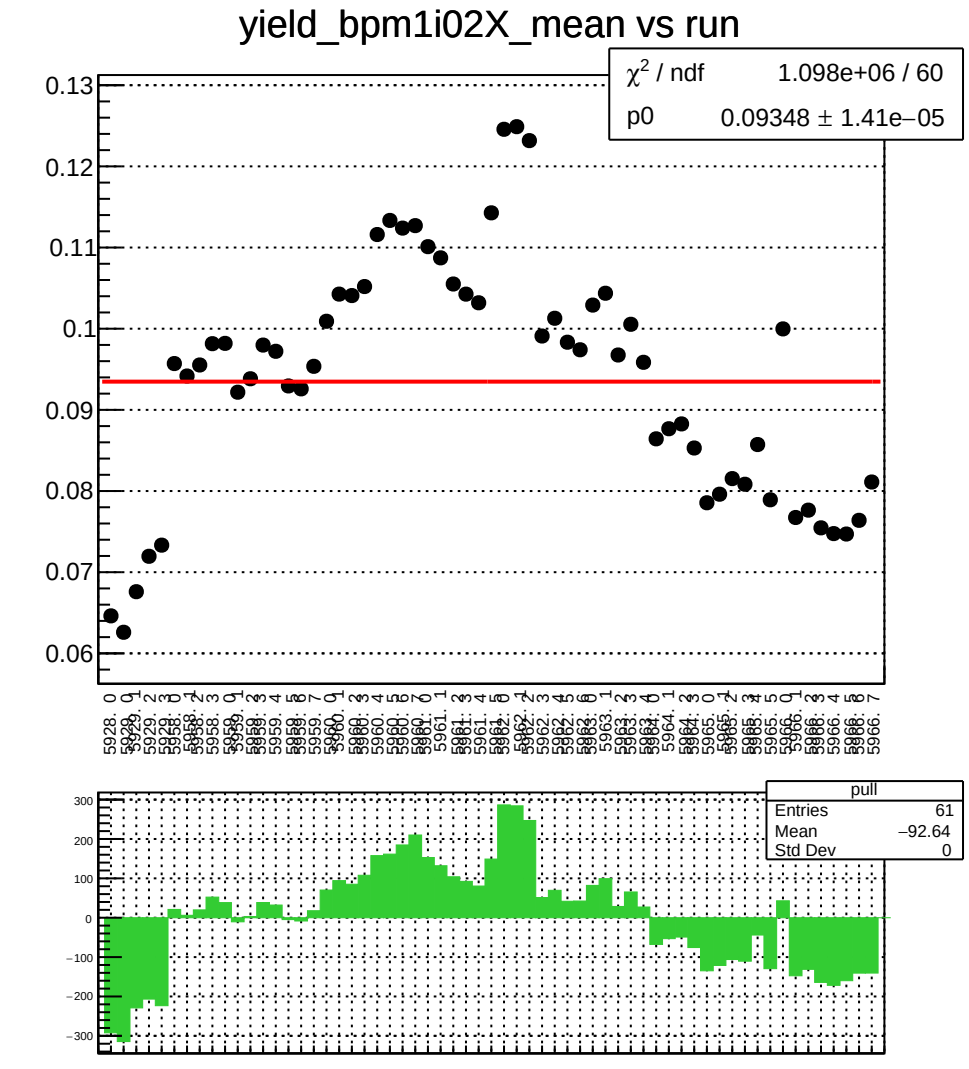

pull1D
Entries 61
Mean −7.651
Std Dev 0

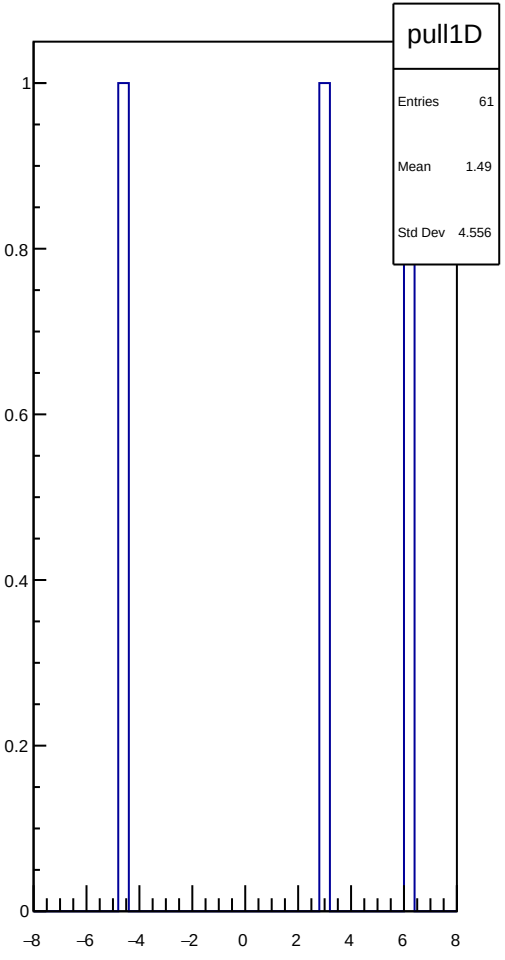

yield_bpm0i07X_rms vs run
χ² / ndf 4.261e+05 / 60
p0 0.008537 ± 9.75e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

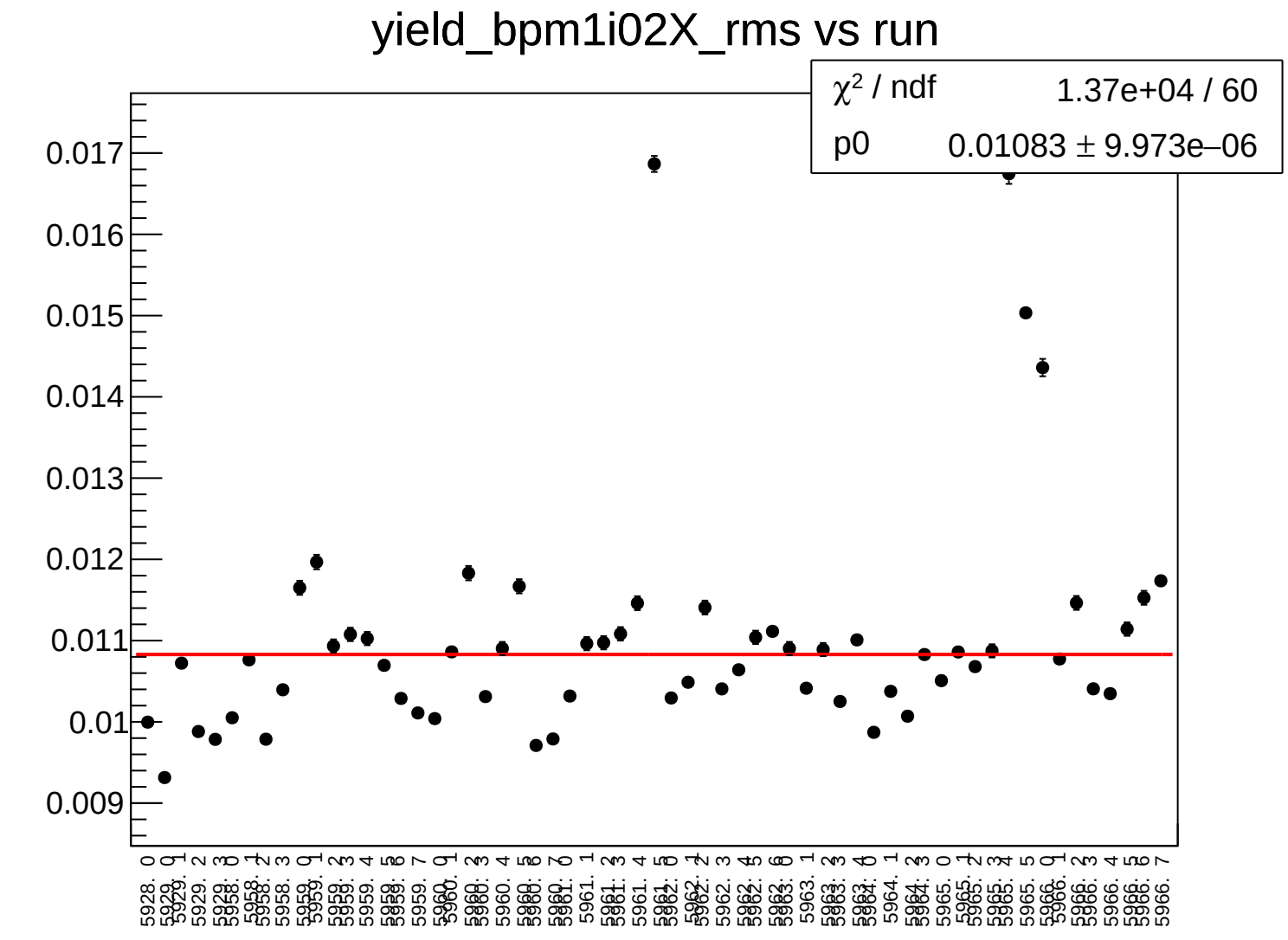

yield_bpm0i07Y_mean vs run
χ² / ndf 1.799e+07 / 60
p0 0.1301 ± 8.537e−06
pull
Entries 61
Mean 36.08
Std Dev 26.27

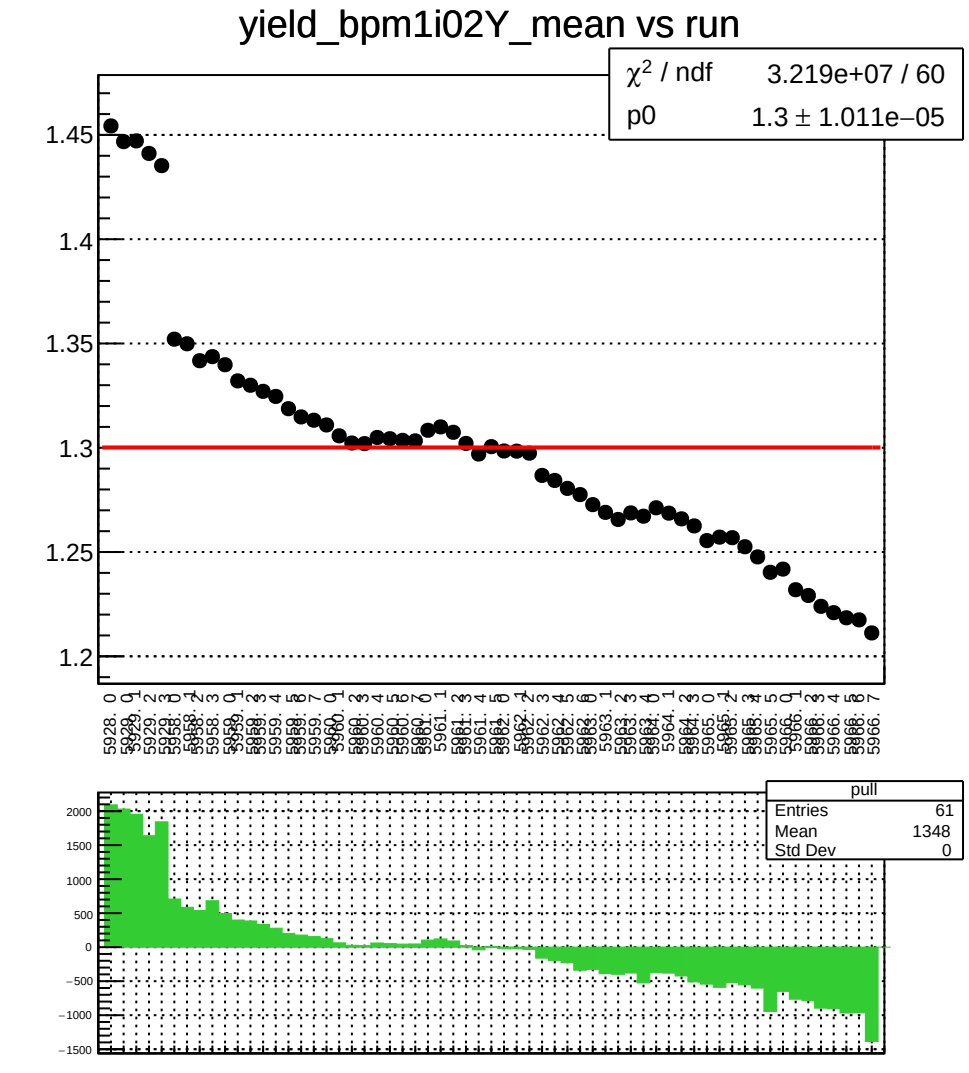

pull1D
Entries 61
Mean 7.634
Std Dev 0

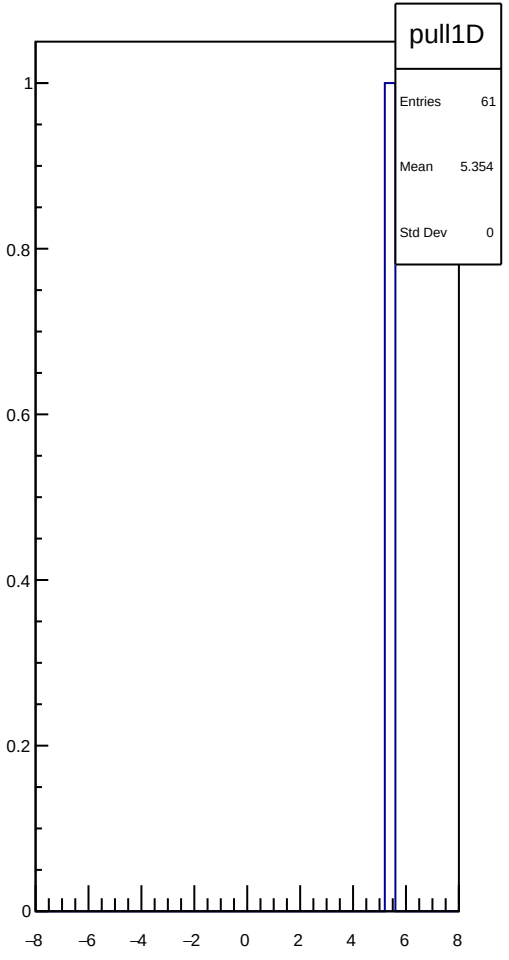

yield_bpm0i07Y_rms vs run
χ² / ndf 3.835e+05 / 60
p0 0.00543 ± 6.037e−06
0.05
0.04
0.03
0.02
0.01

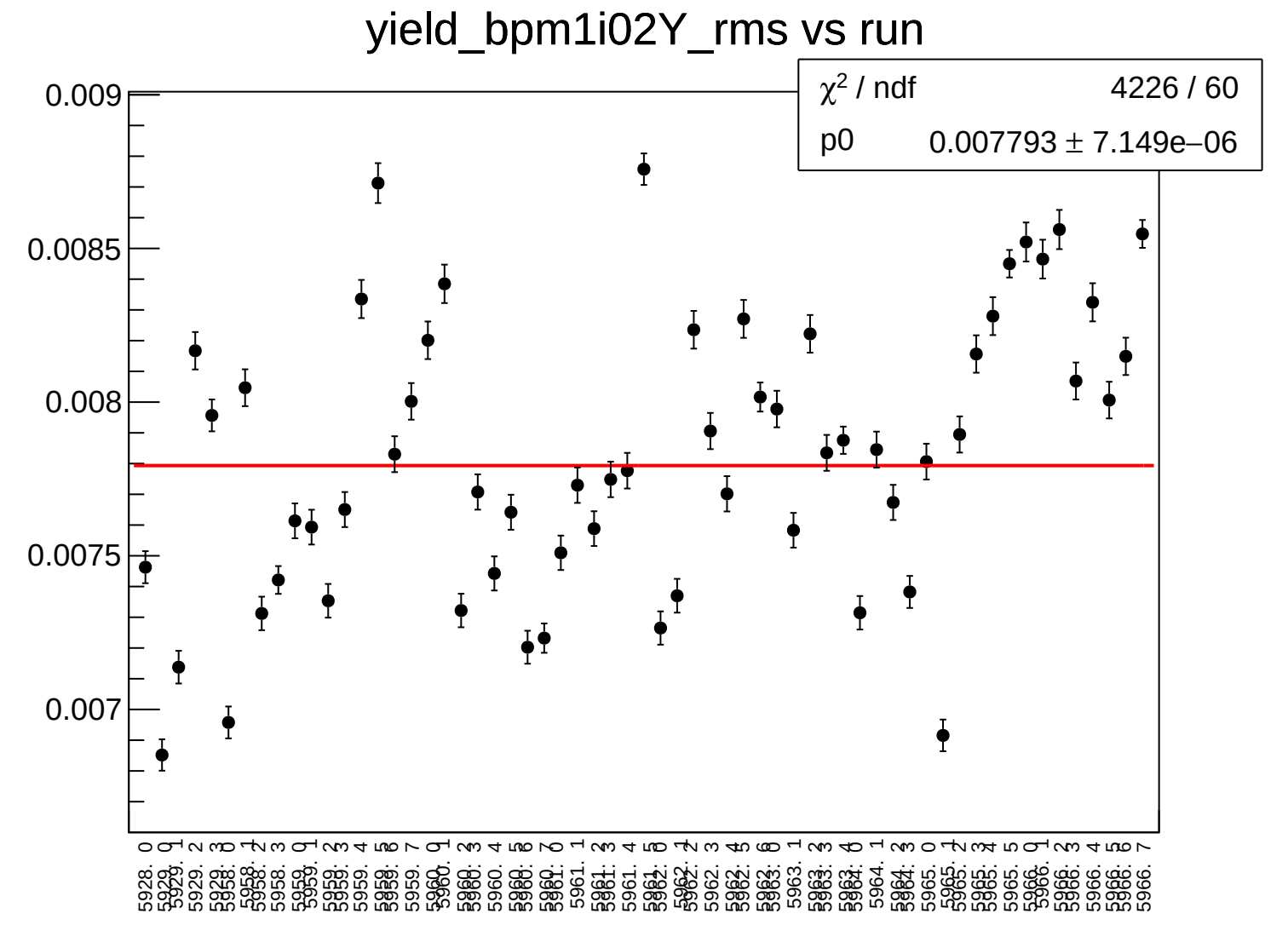

yield_bpm1i02X_mean vs run
χ² / ndf 1.098e+06 / 60
p0 0.09348 ± 1.41e−05
pull
Entries 61
Mean −92.64
Std Dev 0

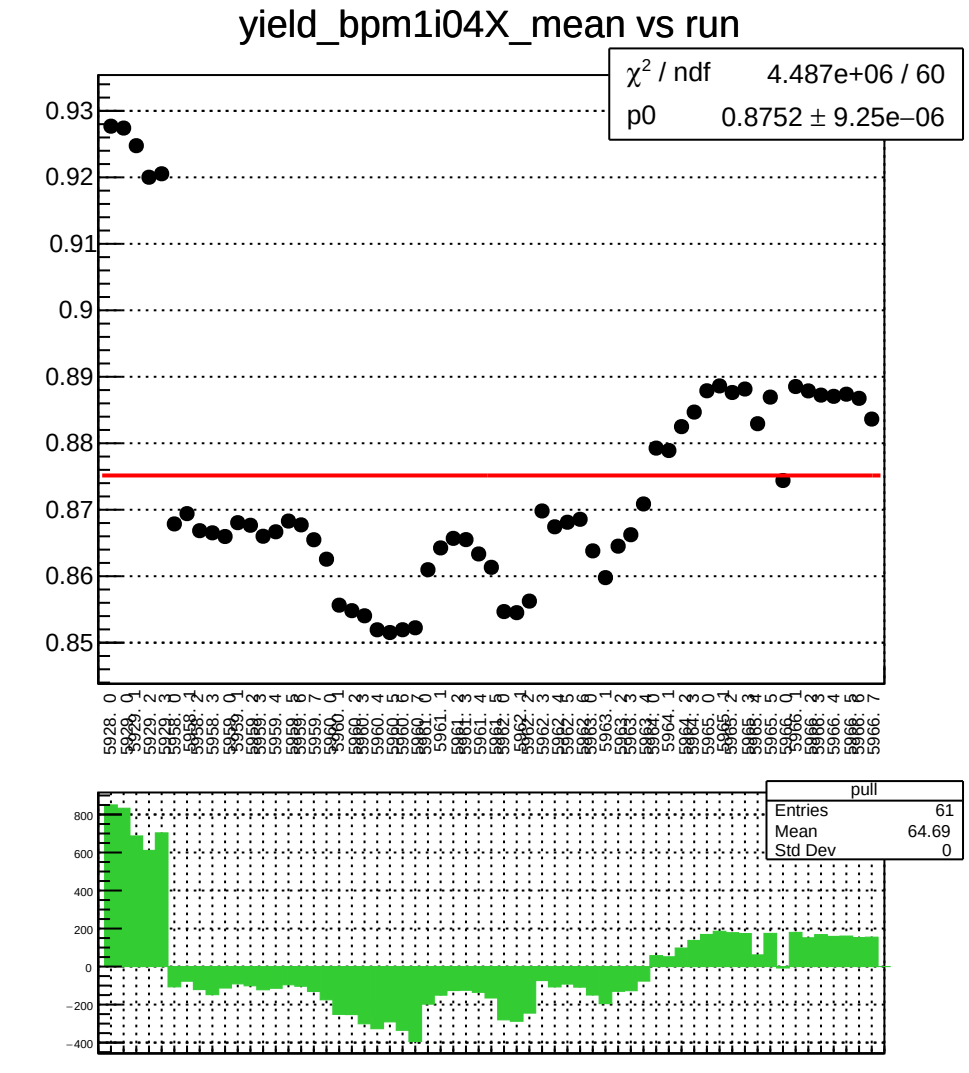

pull1D
Entries 61
Mean 1.49
Std Dev 4.556

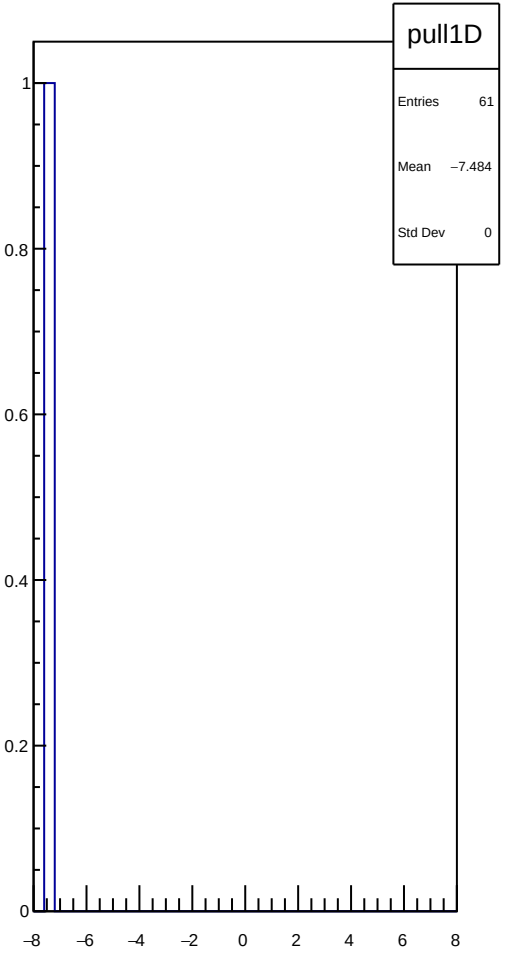

yield_bpm1i02X_rms vs run
χ² / ndf 1.37e+04 / 60
p0 0.01083 ± 9.973e–06
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009

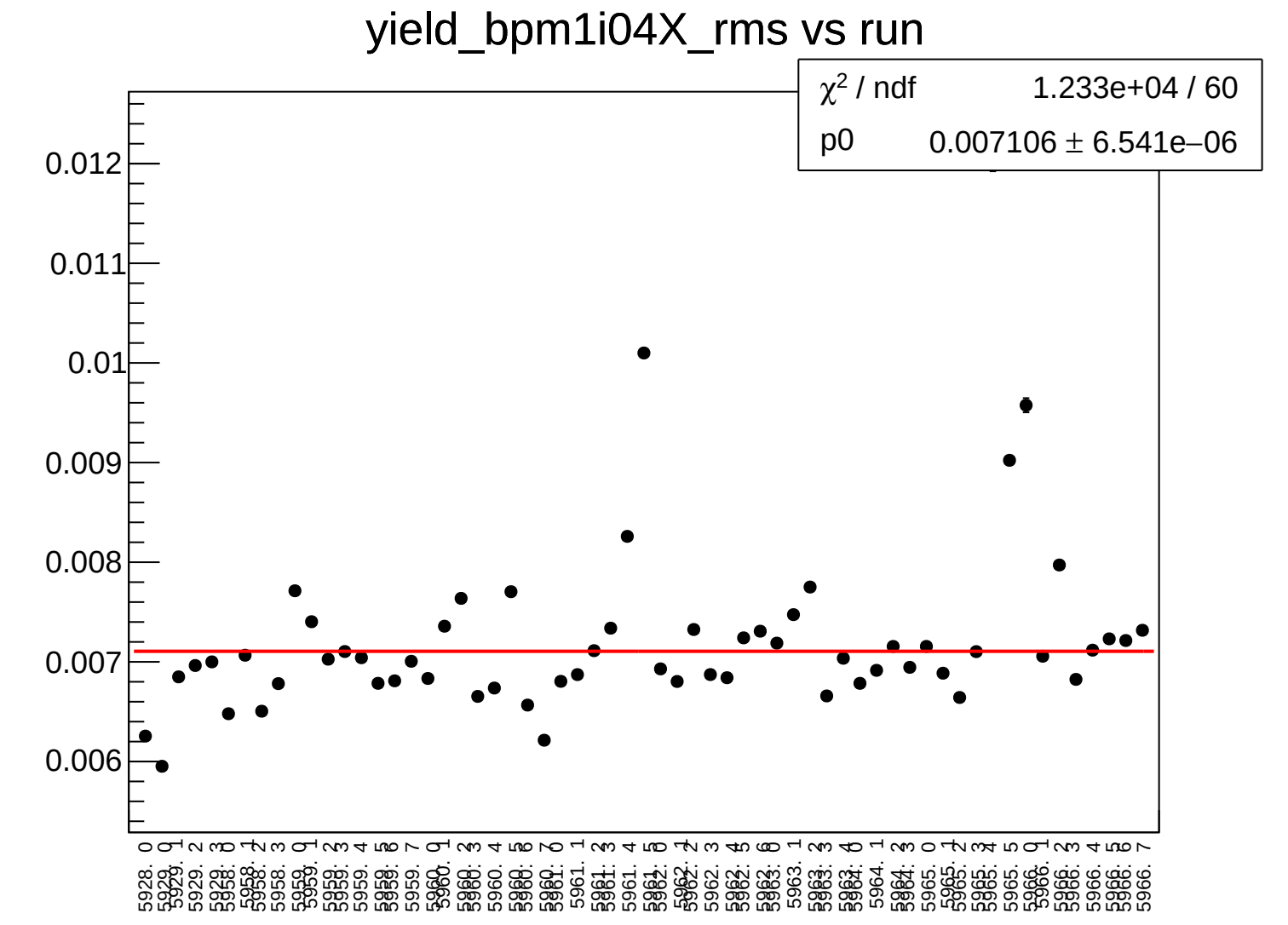

yield_bpm1i02Y_mean vs run
χ² / ndf 3.219e+07 / 60
p0 1.3 ± 1.011e−05
1.45
1.4
1.35
1.3
1.25
1.2
pull
Entries 61
Mean 1348
Std Dev 0
2000
1500
1000
500
0
−500
−1000
−1500

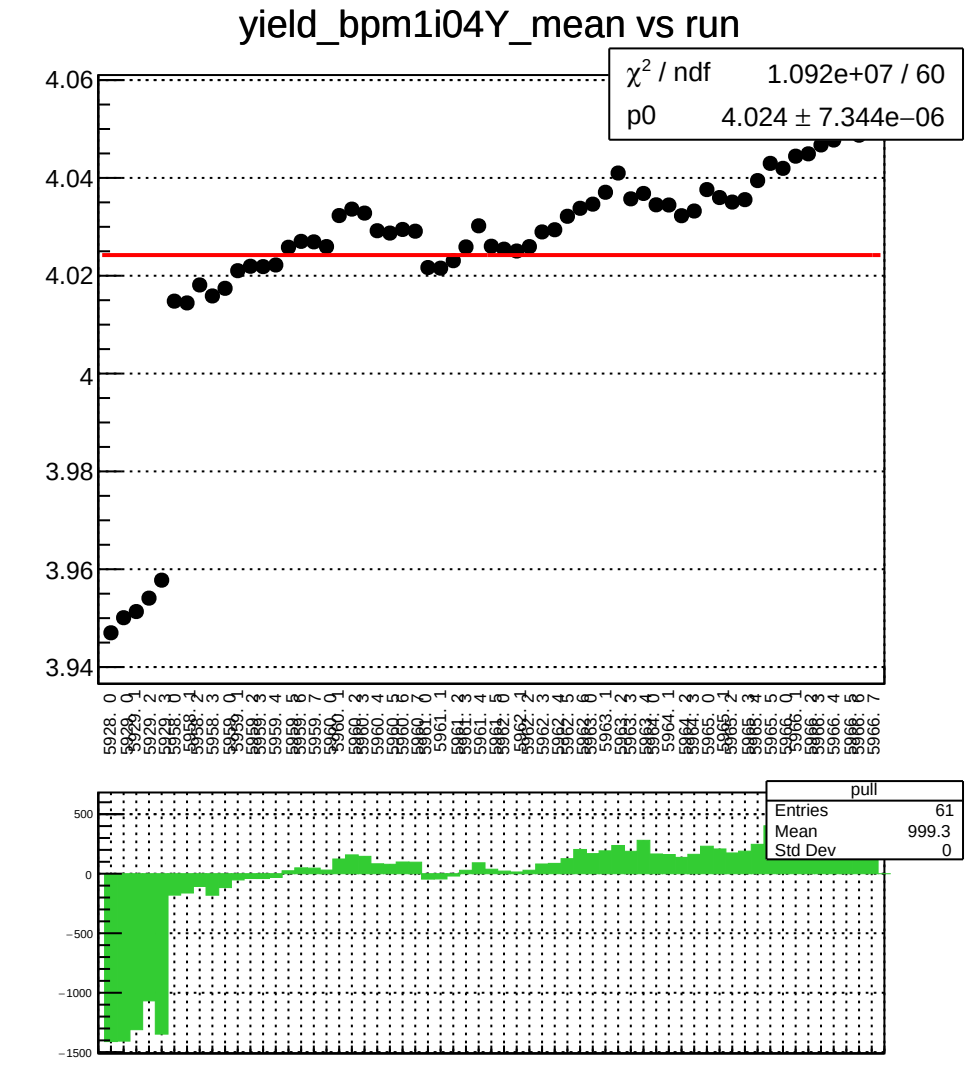

pull1D
Entries 61
Mean 5.354
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

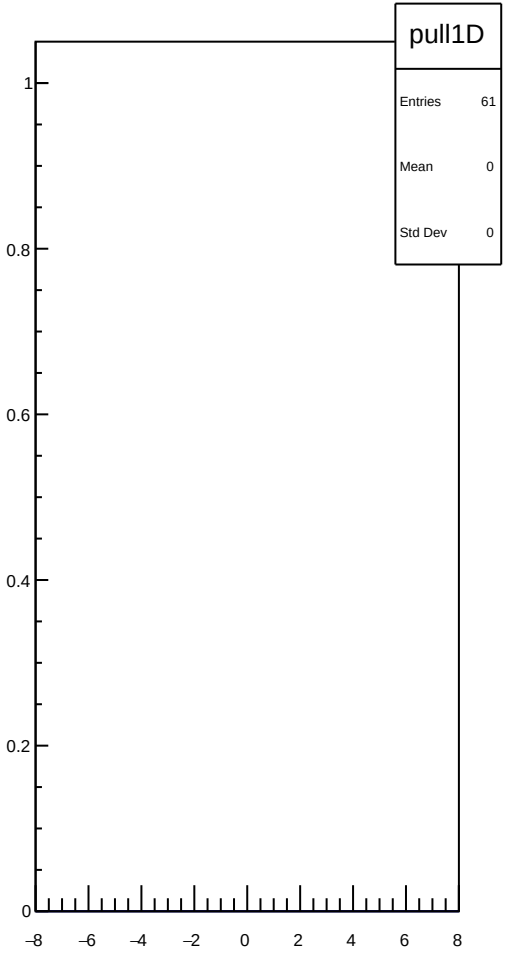

yield_bpm1i02Y_rms vs run
χ² / ndf 4226 / 60
p0 0.007793 ± 7.149e−06
0.009
0.0085
0.008
0.0075
0.007

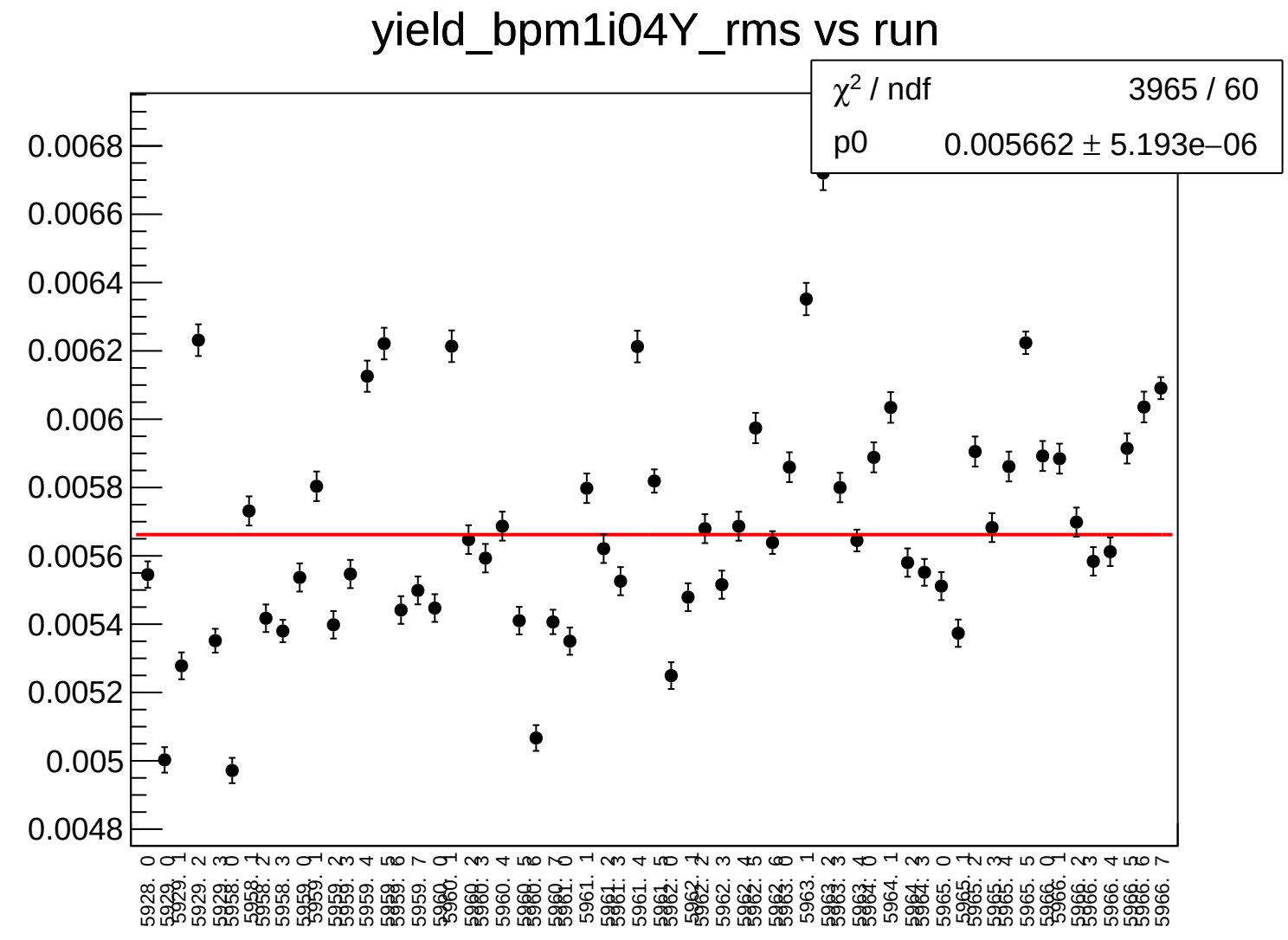

yield_bpm1i04X_mean vs run
χ² / ndf 4.487e+06 / 60
p0 0.8752 ± 9.25e−06
pull
Entries 61
Mean 64.69
Std Dev 0

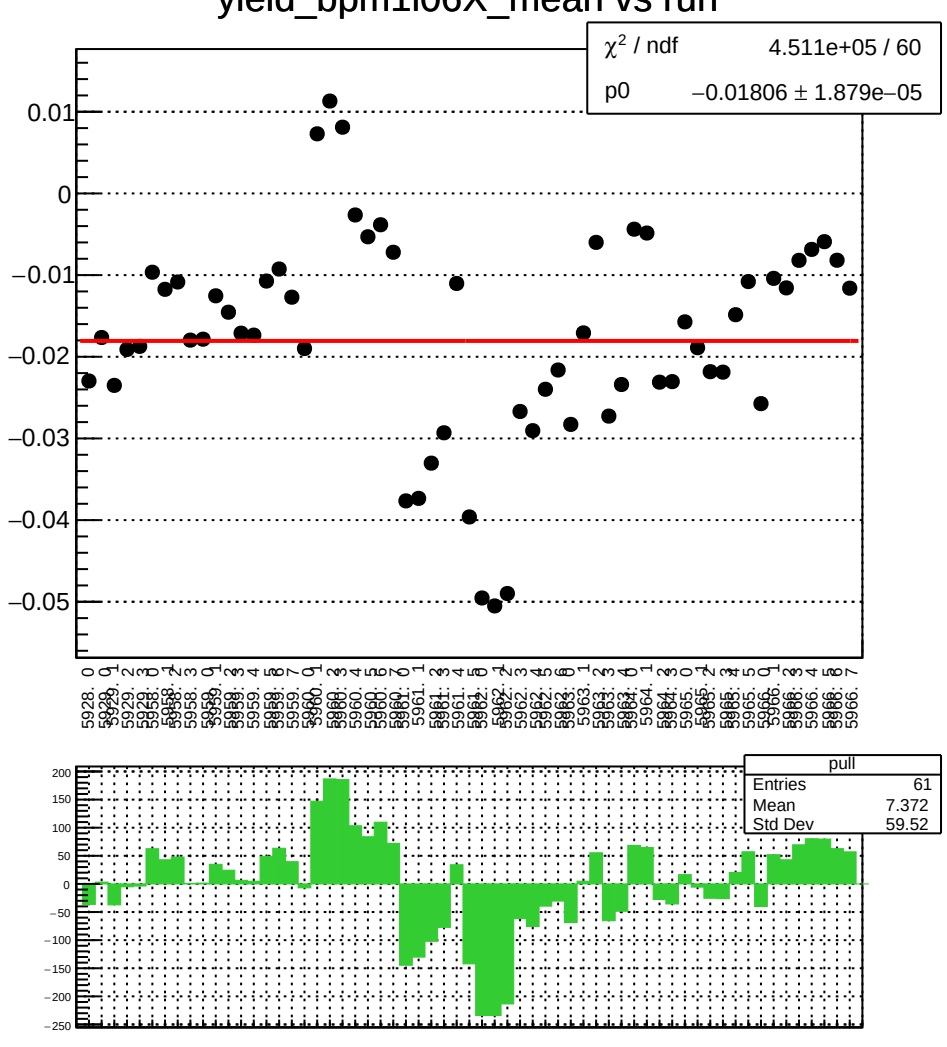

pull1D
Entries 61
Mean −7.484
Std Dev 0

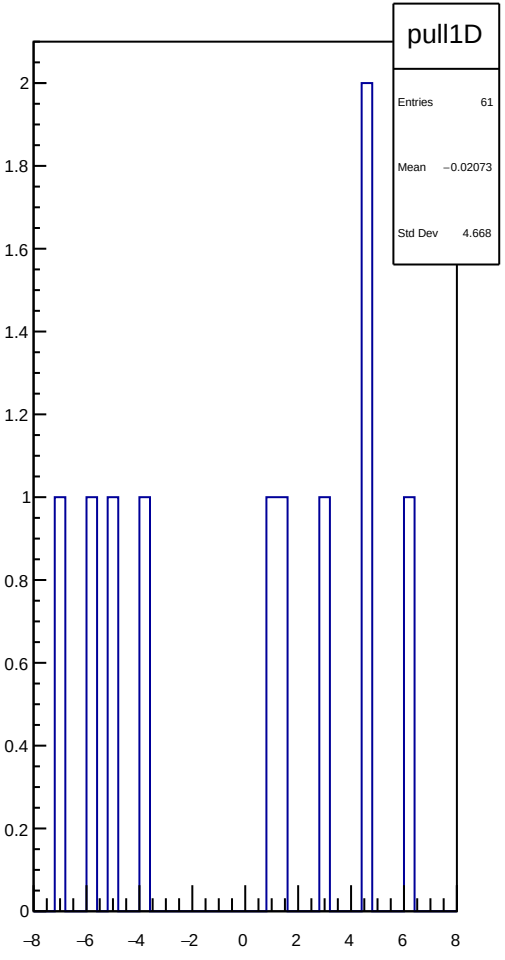

yield_bpm1i04X_rms vs run
χ² / ndf 1.233e+04 / 60
p0 0.007106 ± 6.541e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006

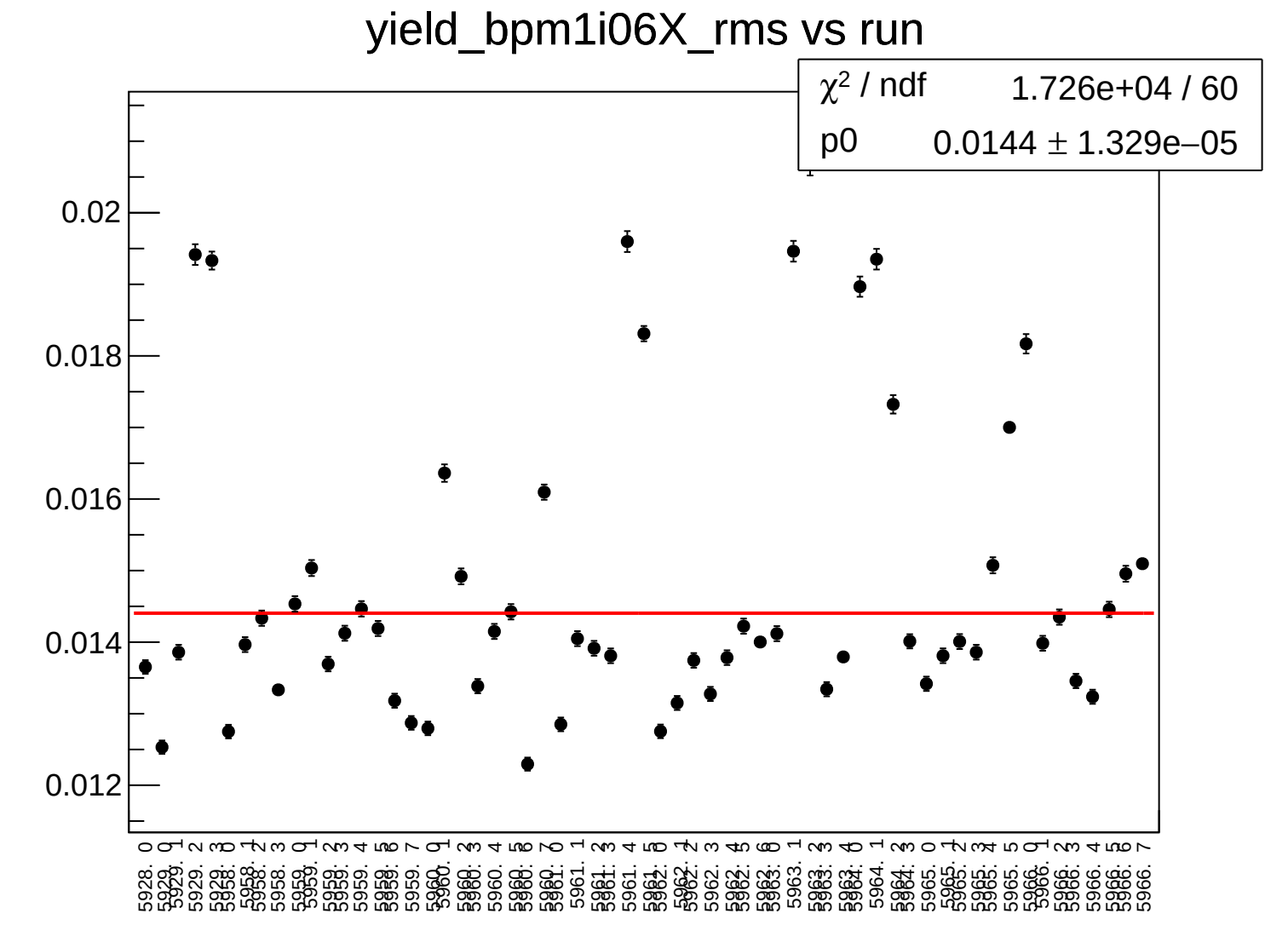

yield_bpm1i04Y_mean vs run
χ² / ndf 1.092e+07 / 60
p0 4.024 ± 7.344e−06
4.06
4.04
4.02
4
3.98
3.96
3.94
pull
Entries 61
Mean 999.3
Std Dev 0
500
0
−500
−1000
−1500

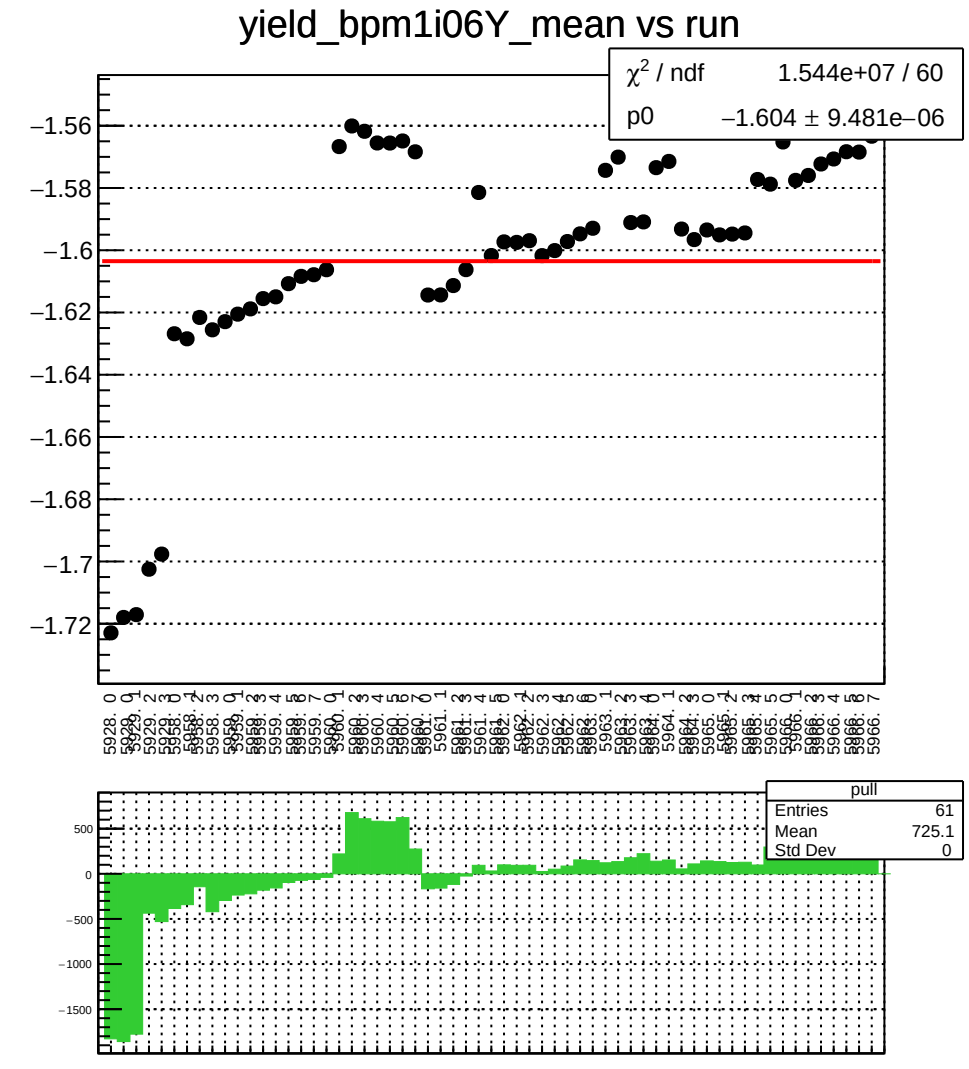

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

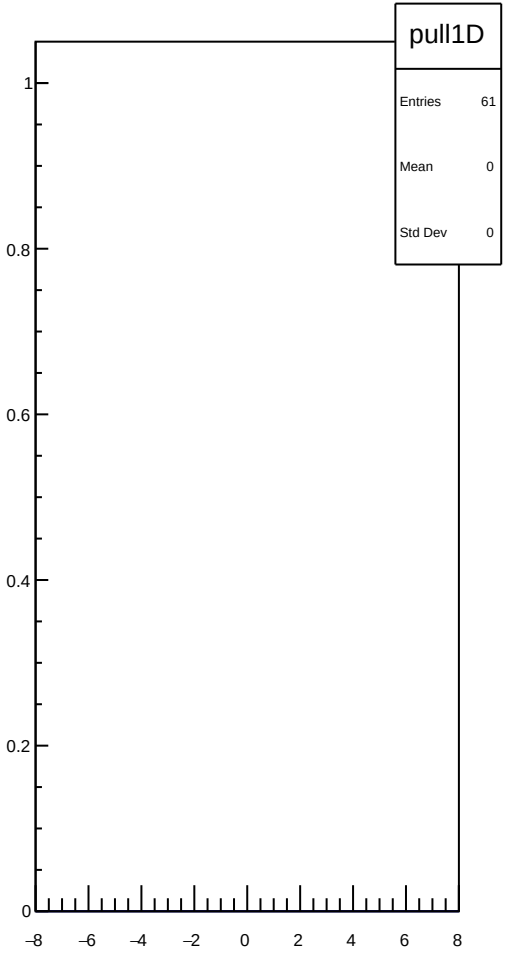

yield_bpm1i04Y_rms vs run
χ² / ndf 3965 / 60
p0 0.005662 ± 5.193e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048

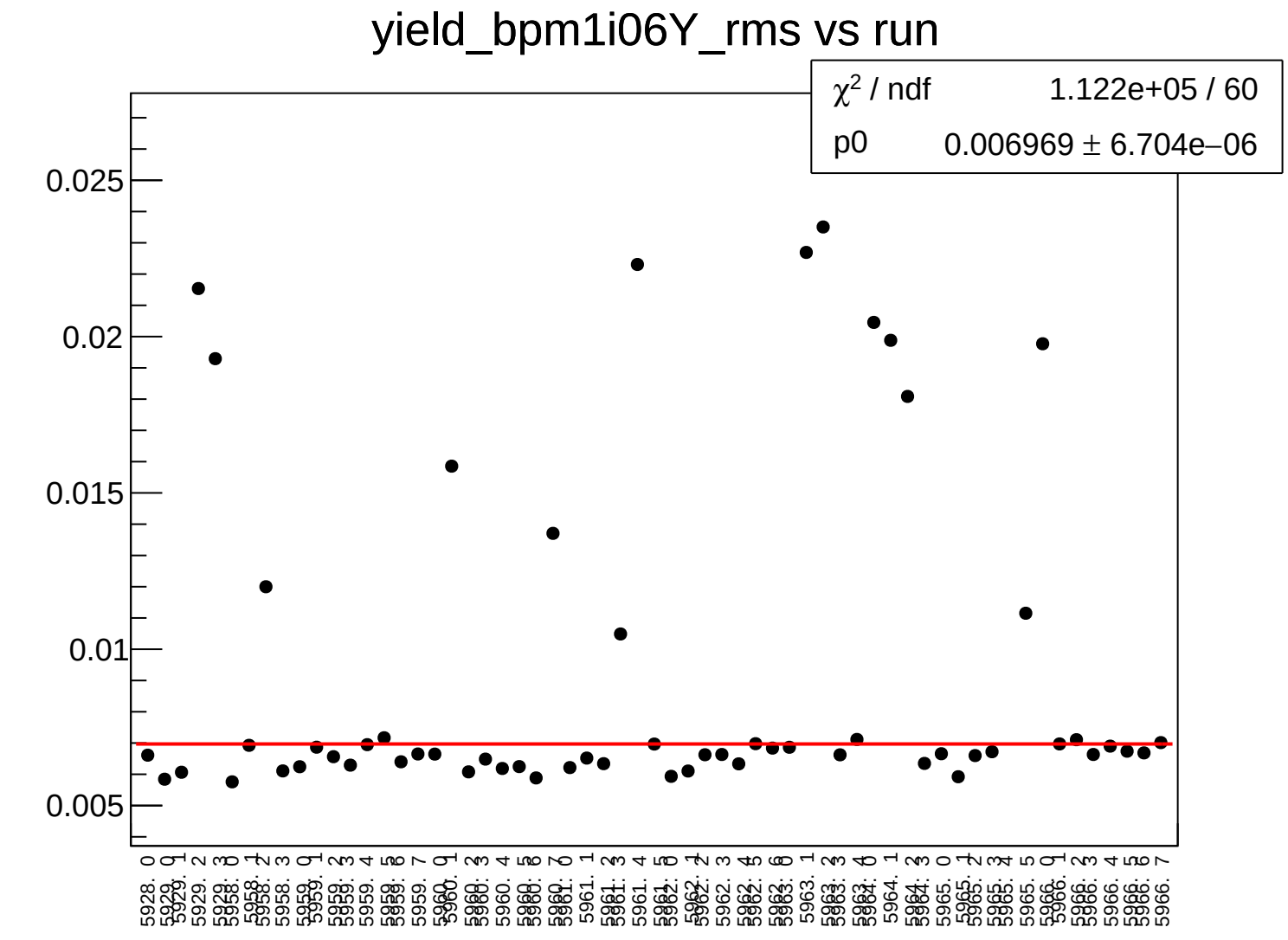

yield_bpm1i06X_mean vs run
χ² / ndf 4.511e+05 / 60
p0 −0.01806 ± 1.879e−05
pull
Entries 61
Mean 7.372
Std Dev 59.52

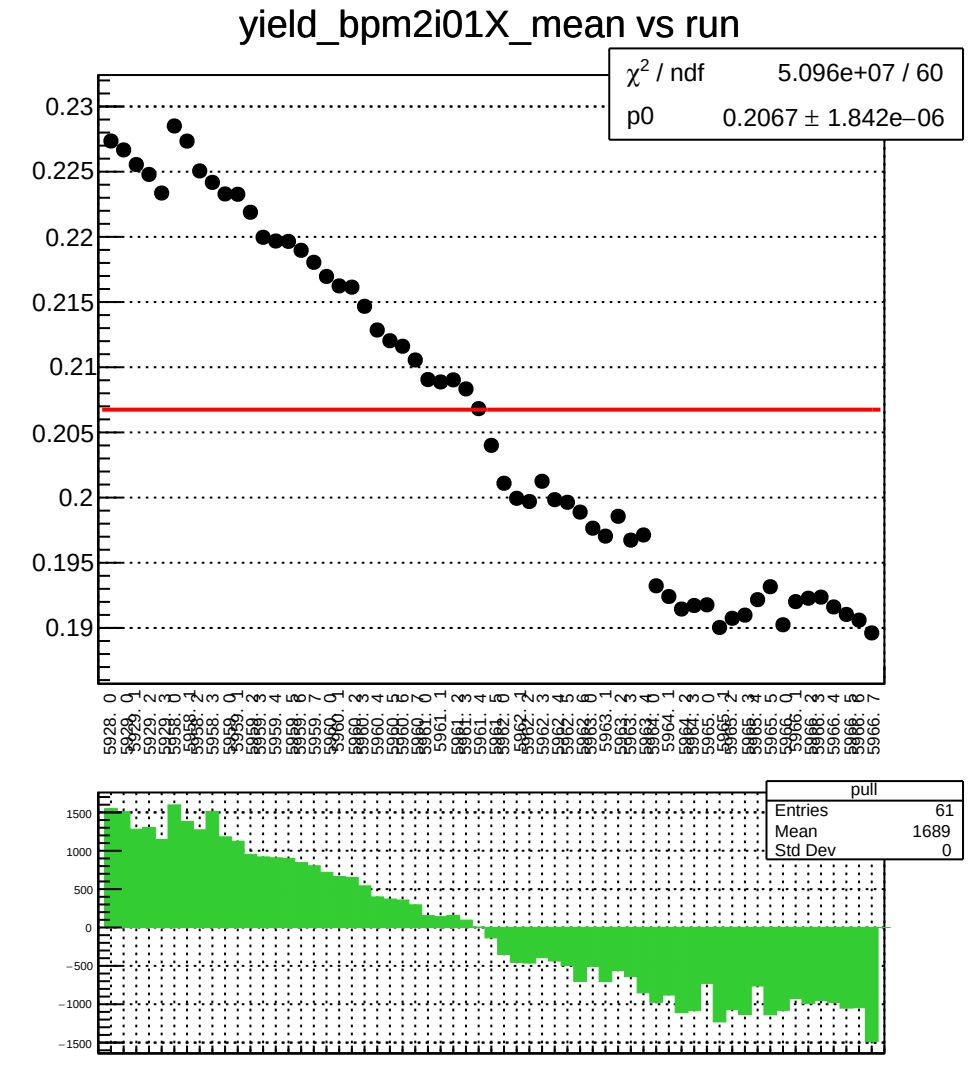

pull1D
Entries 61
Mean −0.02073
Std Dev 4.668

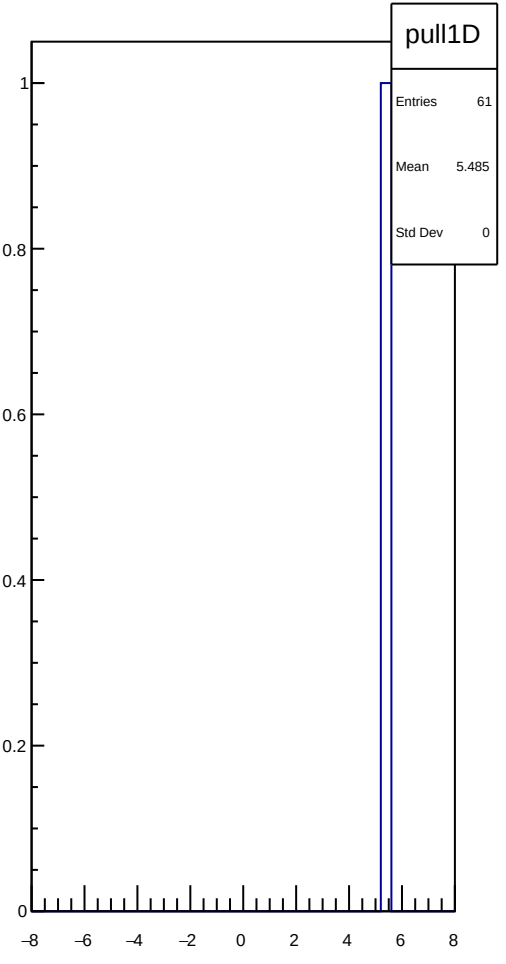

yield_bpm1i06X_rms vs run
χ² / ndf 1.726e+04 / 60
p0 0.0144 ± 1.329e−05
0.02
0.018
0.016
0.014
0.012

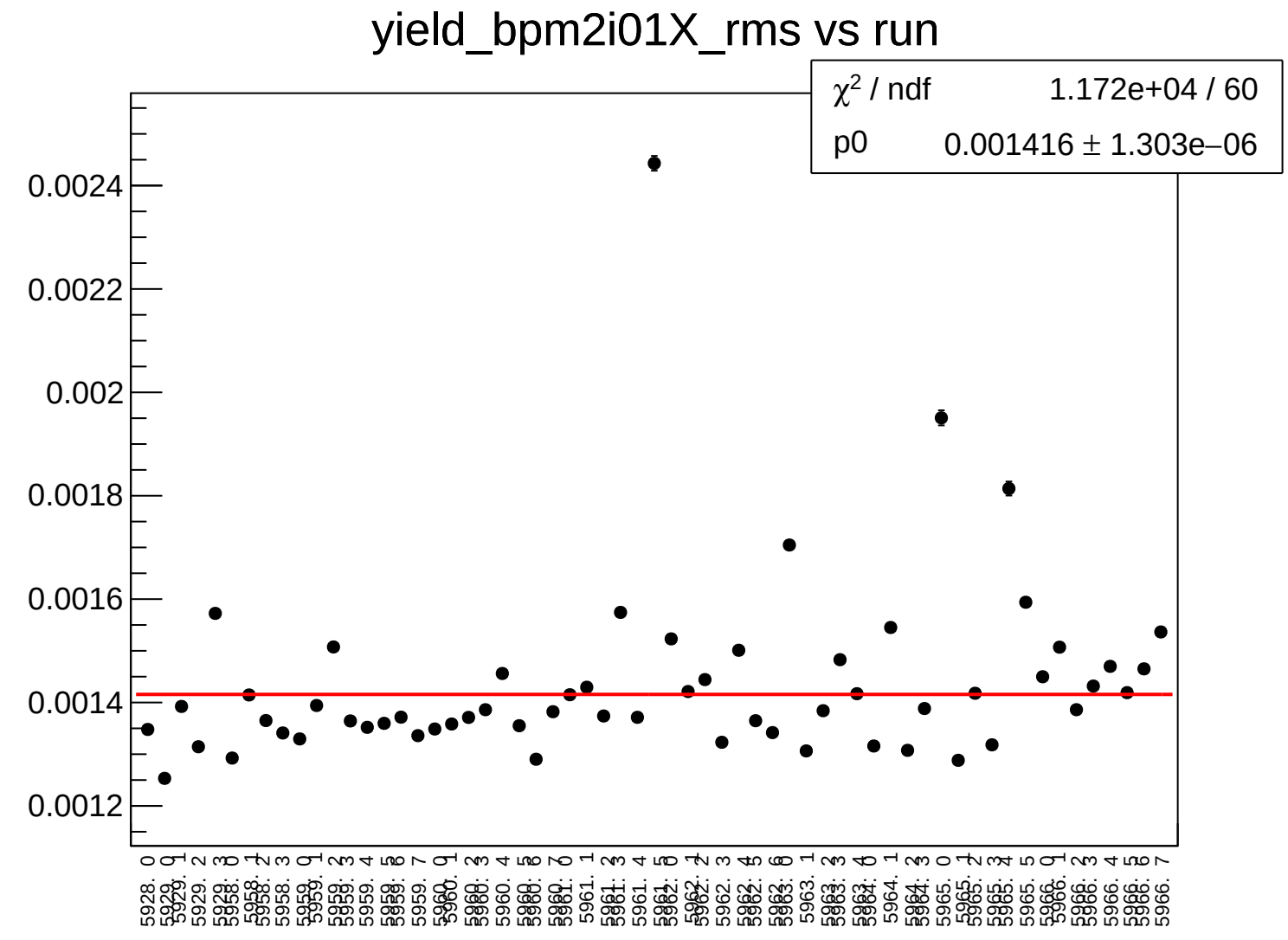

yield_bpm1i06Y_mean vs run
χ² / ndf 1.544e+07 / 60
p0 −1.604 ± 9.481e−06
−1.56
−1.58
−1.6
−1.62
−1.64
−1.66
−1.68
−1.7
−1.72
pull
Entries 61
Mean 725.1
Std Dev 0
500
0
−500
−1000
−1500

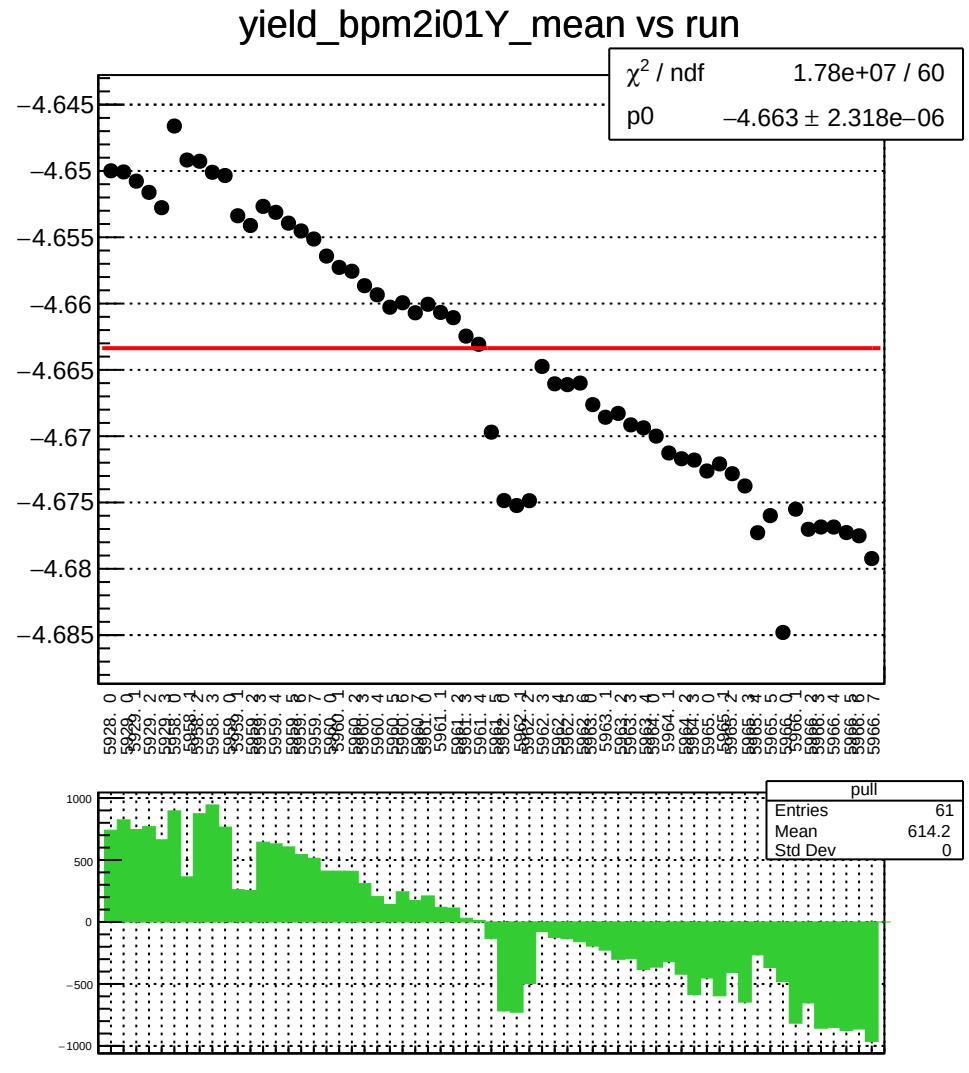

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

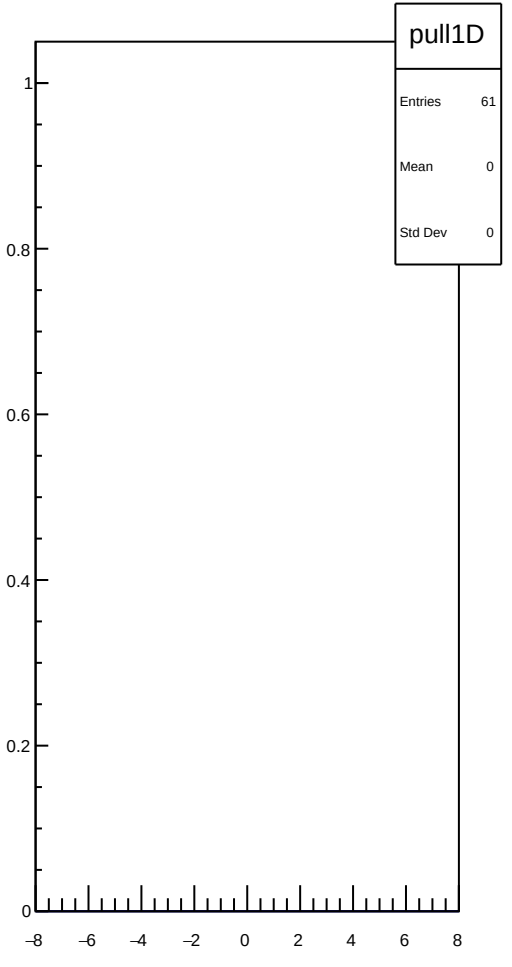

yield_bpm1i06Y_rms vs run
χ² / ndf 1.122e+05 / 60
p0 0.006969 ± 6.704e−06
0.025
0.02
0.015
0.01
0.005

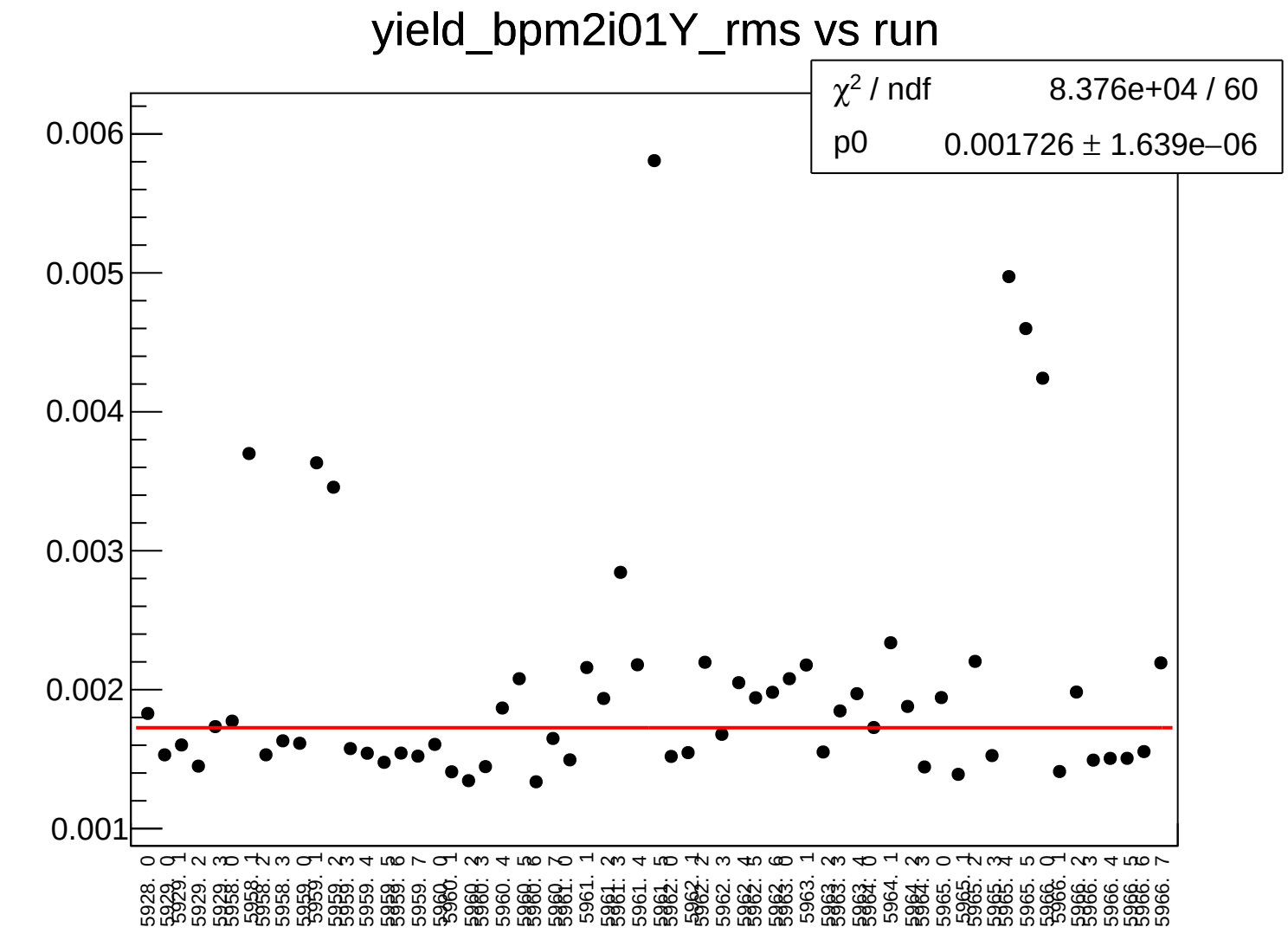

yield_bpm2i01X_mean vs run
χ² / ndf 5.096e+07 / 60
p0 0.2067 ± 1.842e−06
pull
Entries 61
Mean 1689
Std Dev 0

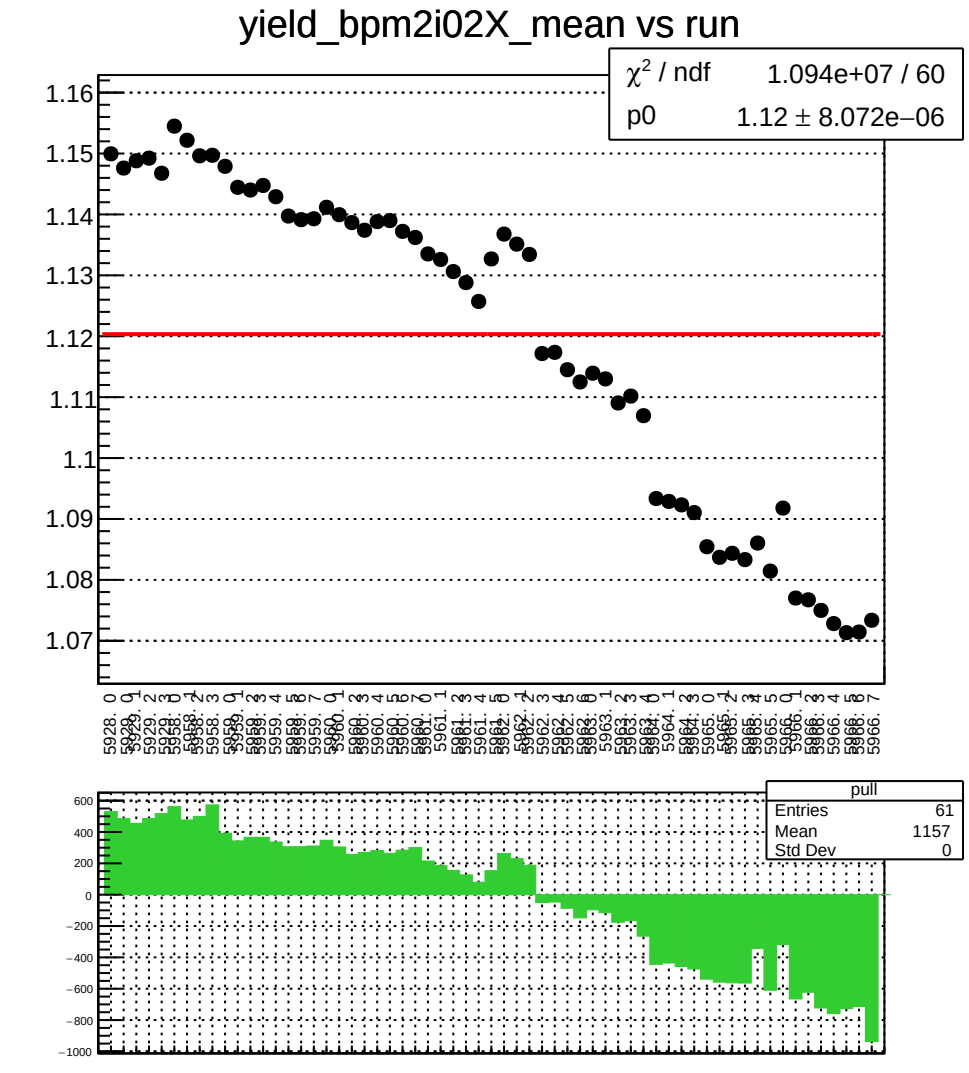

pull1D
Entries 61
Mean 5.485
Std Dev 0

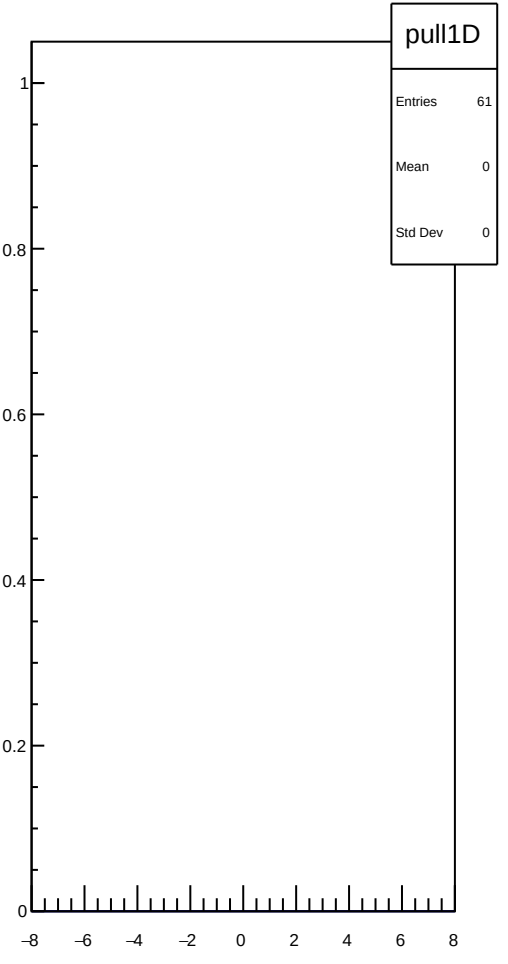

yield_bpm2i01X_rms vs run
χ² / ndf 1.172e+04 / 60
p0 0.001416 ± 1.303e−06
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

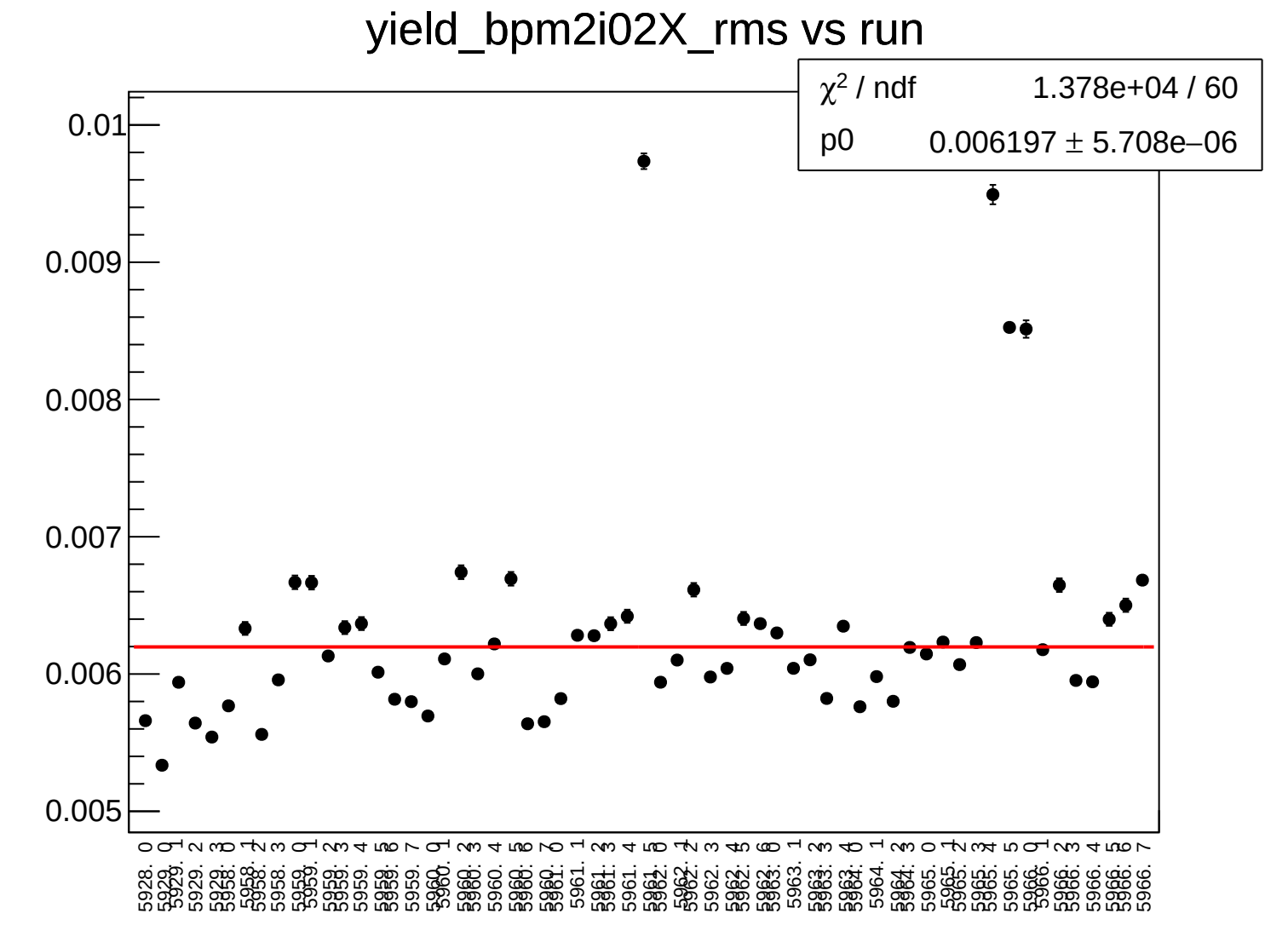

yield_bpm2i01Y_mean vs run
χ² / ndf 1.78e+07 / 60
p0 −4.663 ± 2.318e−06
−4.645
−4.65
−4.655
−4.66
−4.665
−4.67
−4.675
−4.68
−4.685
pull
Entries 61
Mean 614.2
Std Dev 0
1000
500
0
−500
−1000

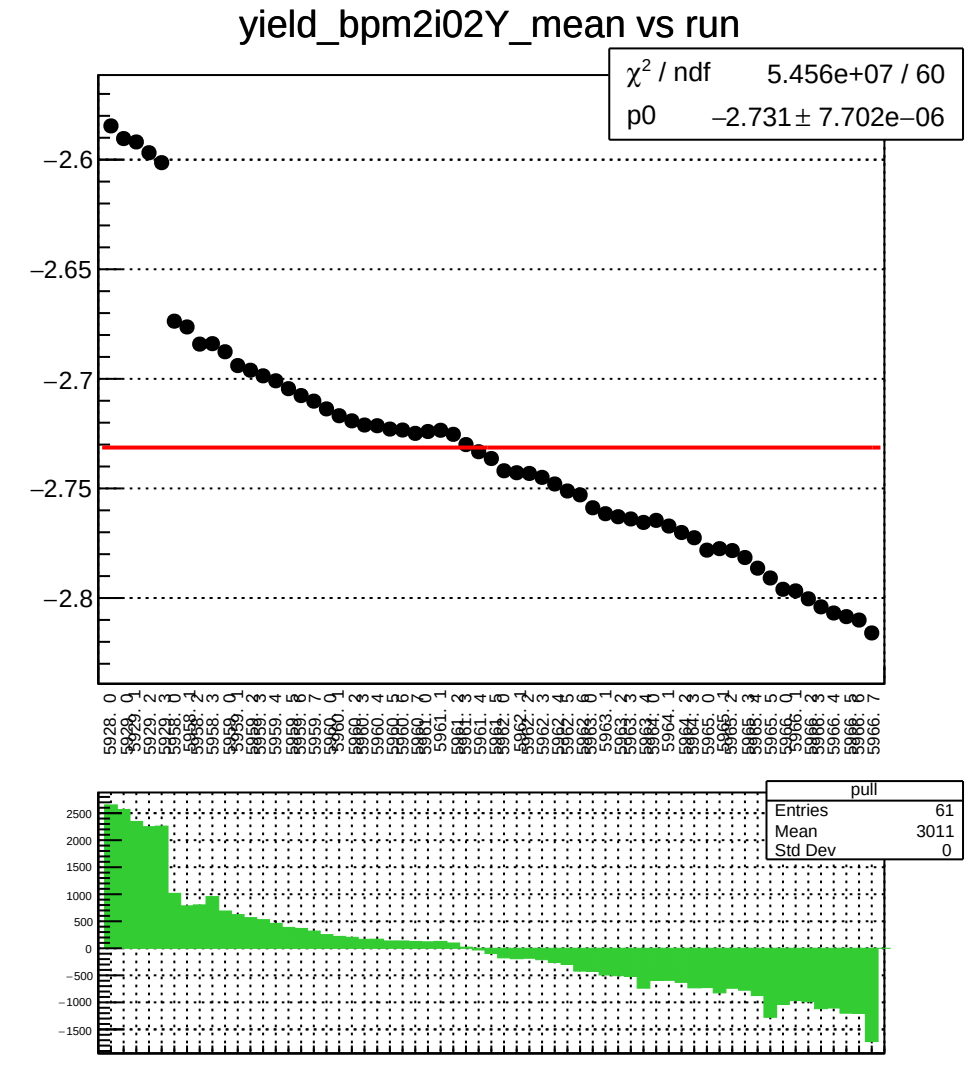

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

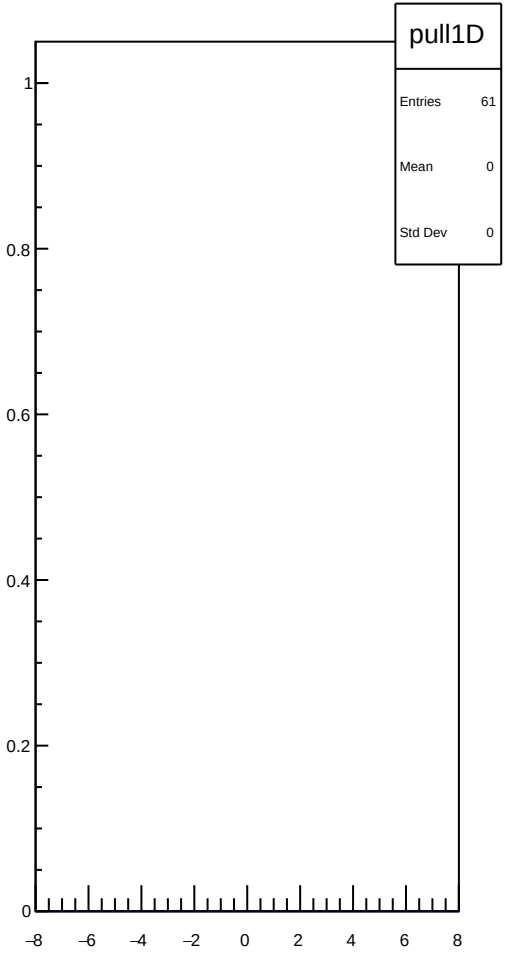

yield_bpm2i01Y_rms vs run
χ^2 / ndf 8.376e+04 / 60
p0 0.001726 ± 1.639e−06
0.006
0.005
0.004
0.003
0.002
0.001

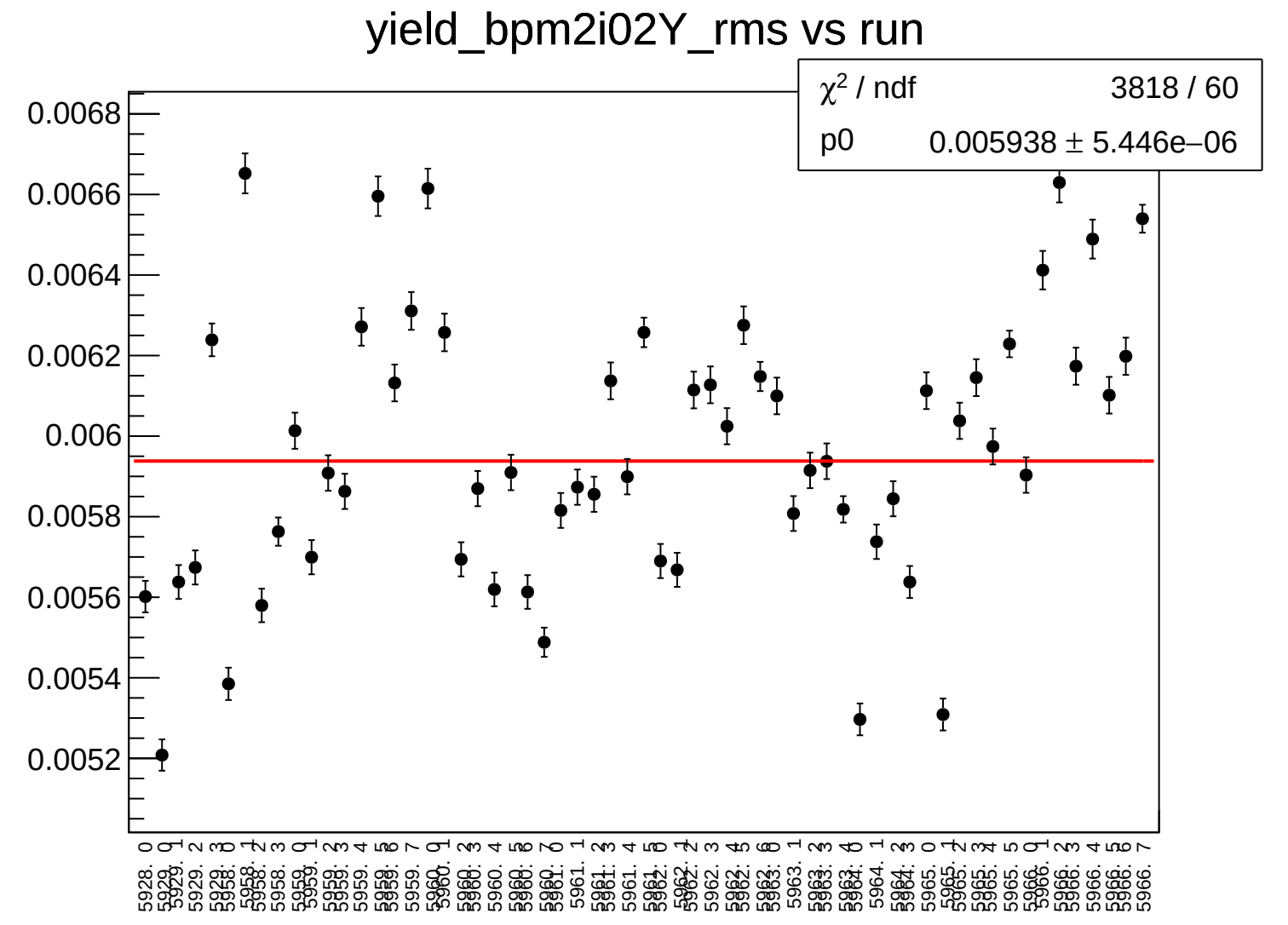

yield_bpm2i02X_mean vs run
χ² / ndf 1.094e+07 / 60
p0 1.12 ± 8.072e−06
pull
Entries 61
Mean 1157
Std Dev 0

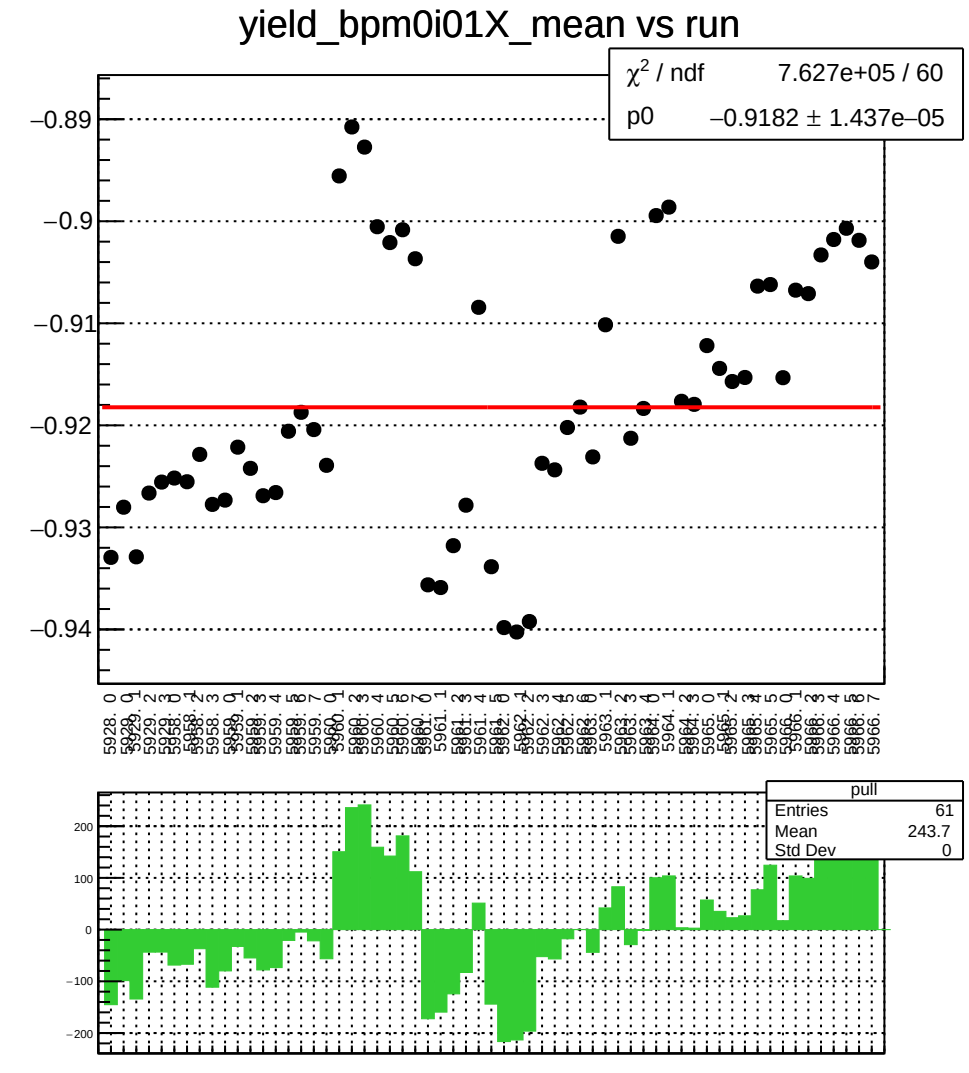

pull1D
Entries 61
Mean 0
Std Dev 0

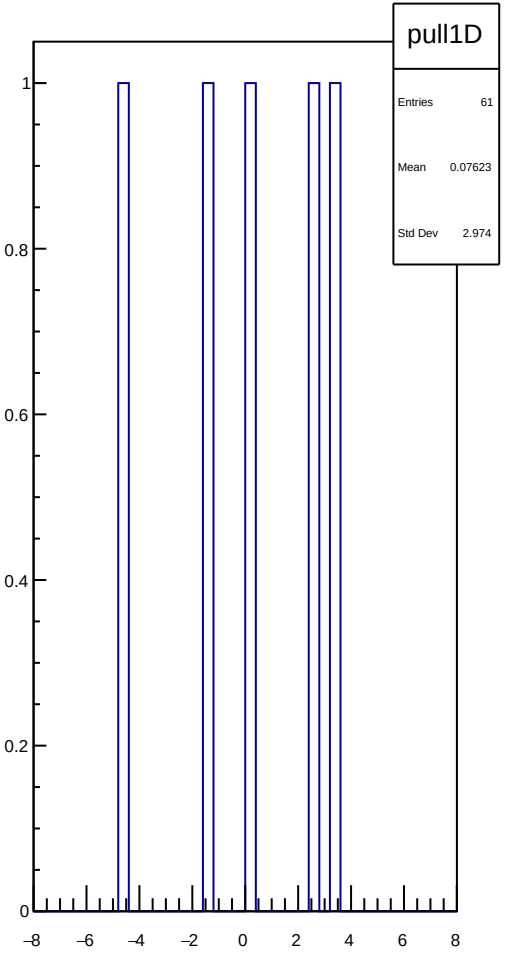

yield_bpm2i02X_rms vs run
χ² / ndf 1.378e+04 / 60
p0 0.006197 ± 5.708e−06
0.01
0.009
0.008
0.007
0.006
0.005

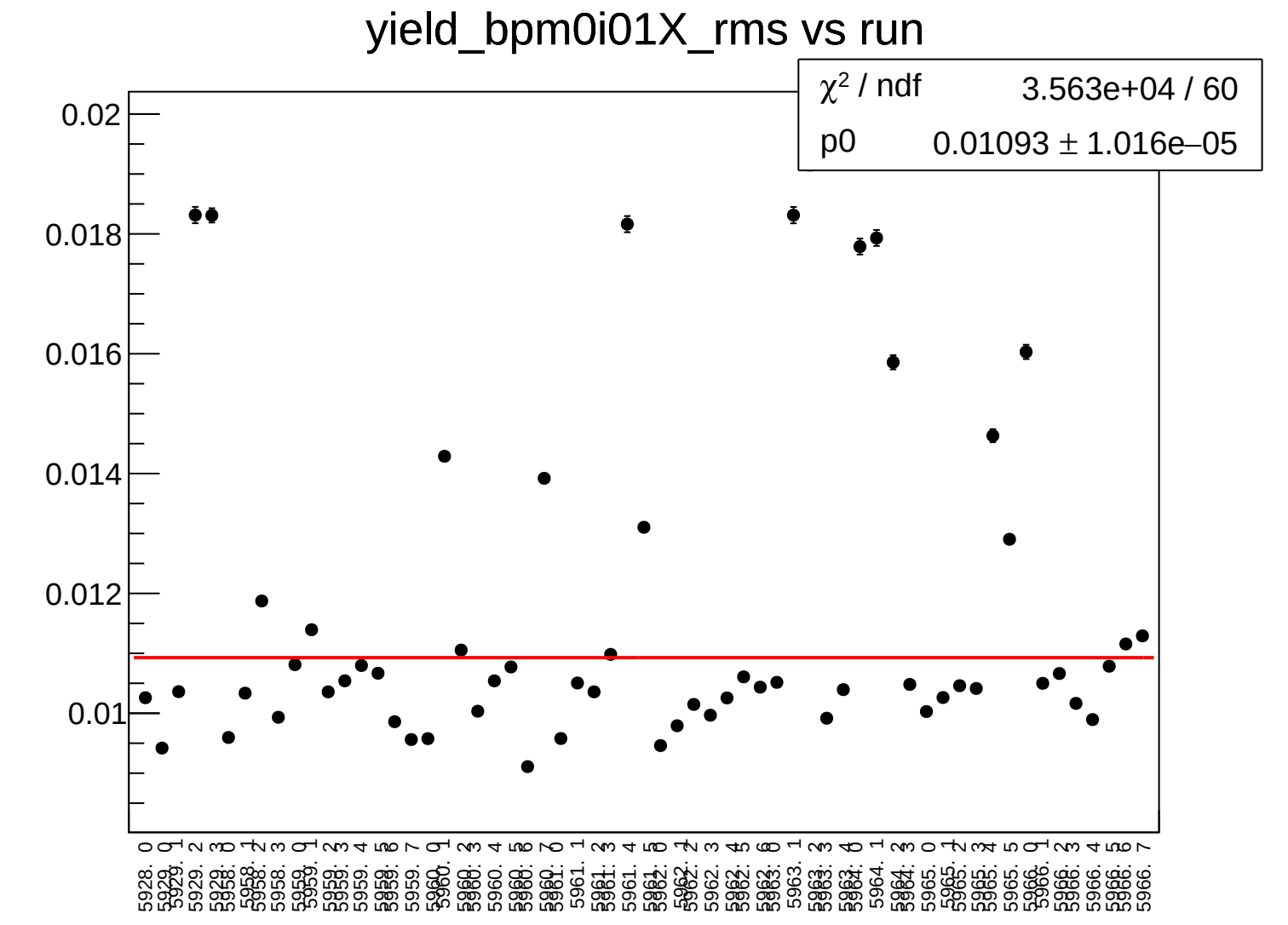

yield_bpm2i02Y_mean vs run
χ² / ndf 5.456e+07 / 60
p0 −2.731 ± 7.702e−06
−2.6
−2.65
−2.7
−2.75
−2.8
pull
Entries 61
Mean 3011
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000
−1500

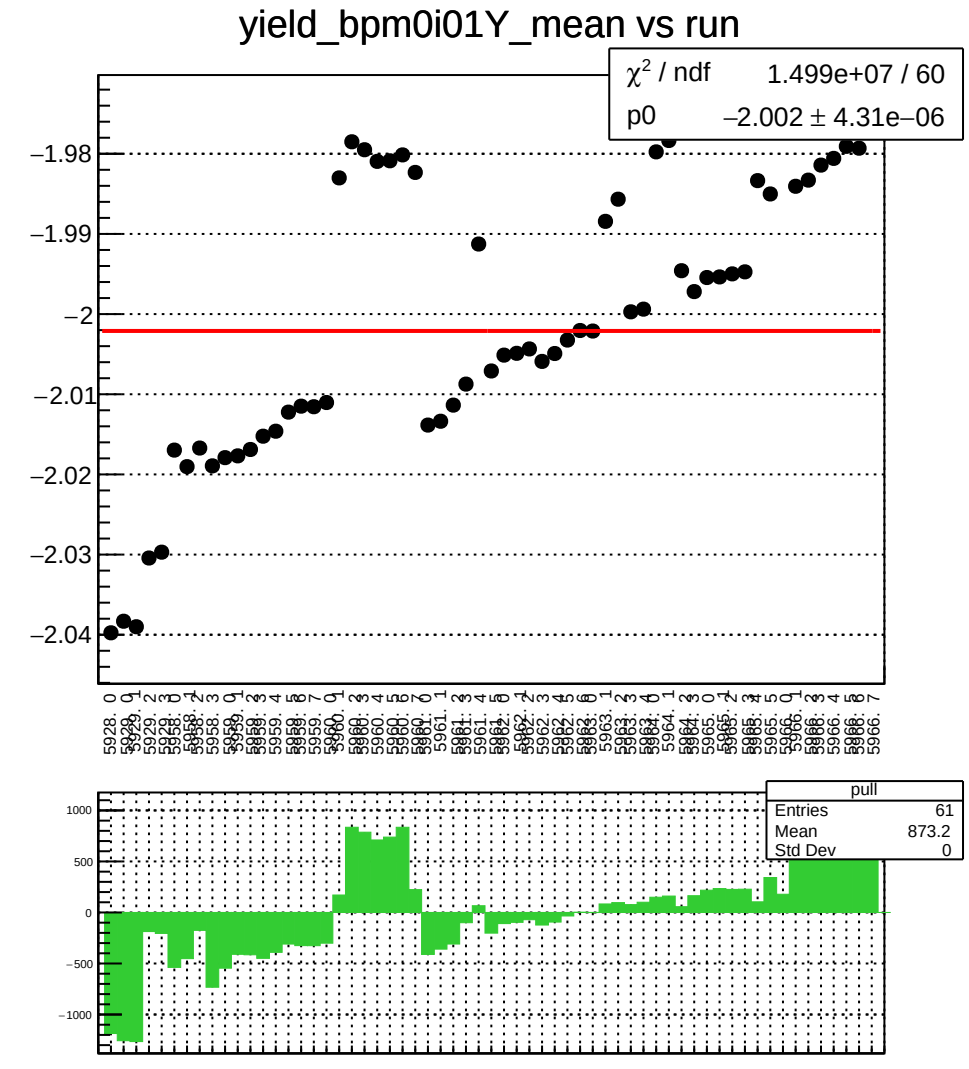

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

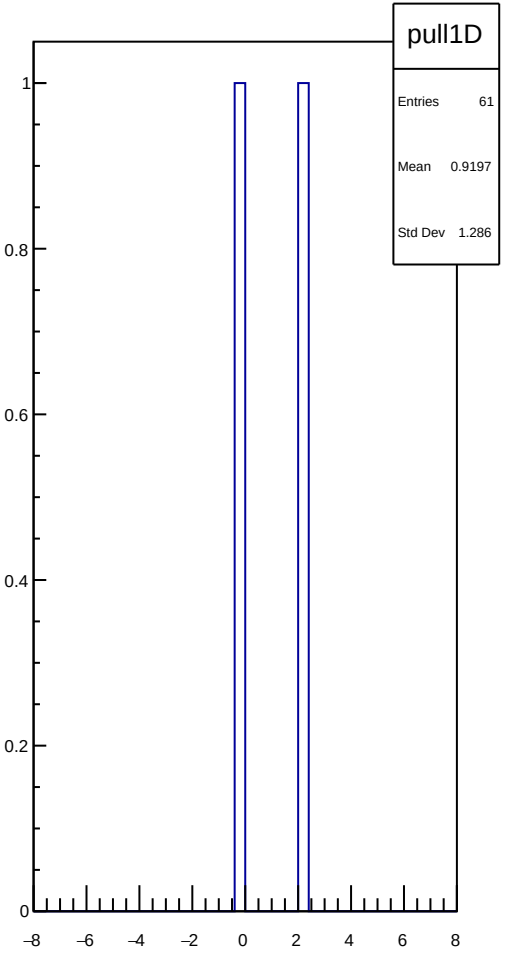

yield_bpm2i02Y_rms vs run
χ² / ndf 3818 / 60
p0 0.005938 ± 5.446e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052

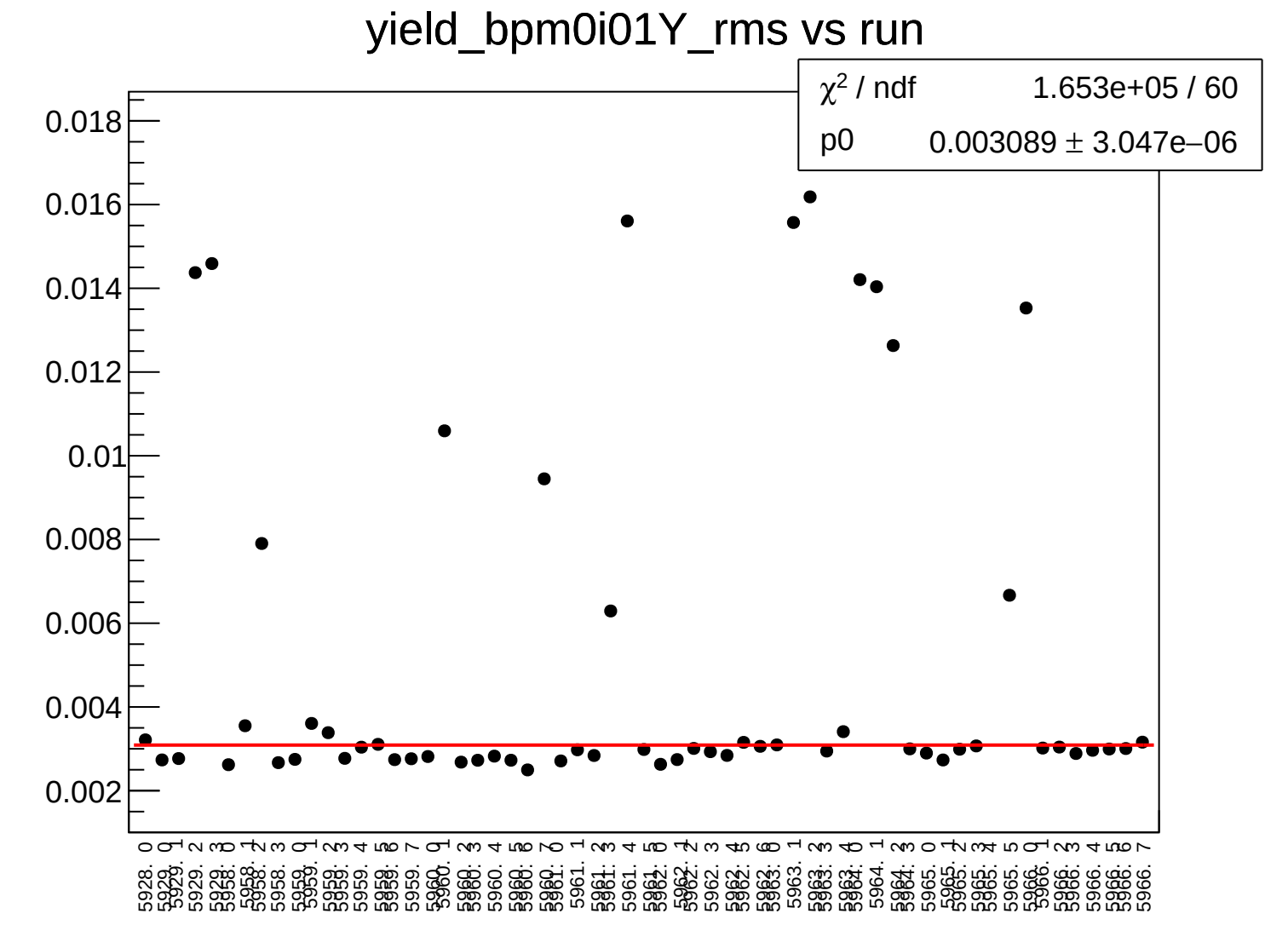

yield_bpm0i01X_mean vs run
χ² / ndf 7.627e+05 / 60
p0 −0.9182 ± 1.437e−05
−0.89
−0.9
−0.91
−0.92
−0.93
−0.94
pull
Entries 61
Mean 243.7
Std Dev 0
200
100
0
−100
−200

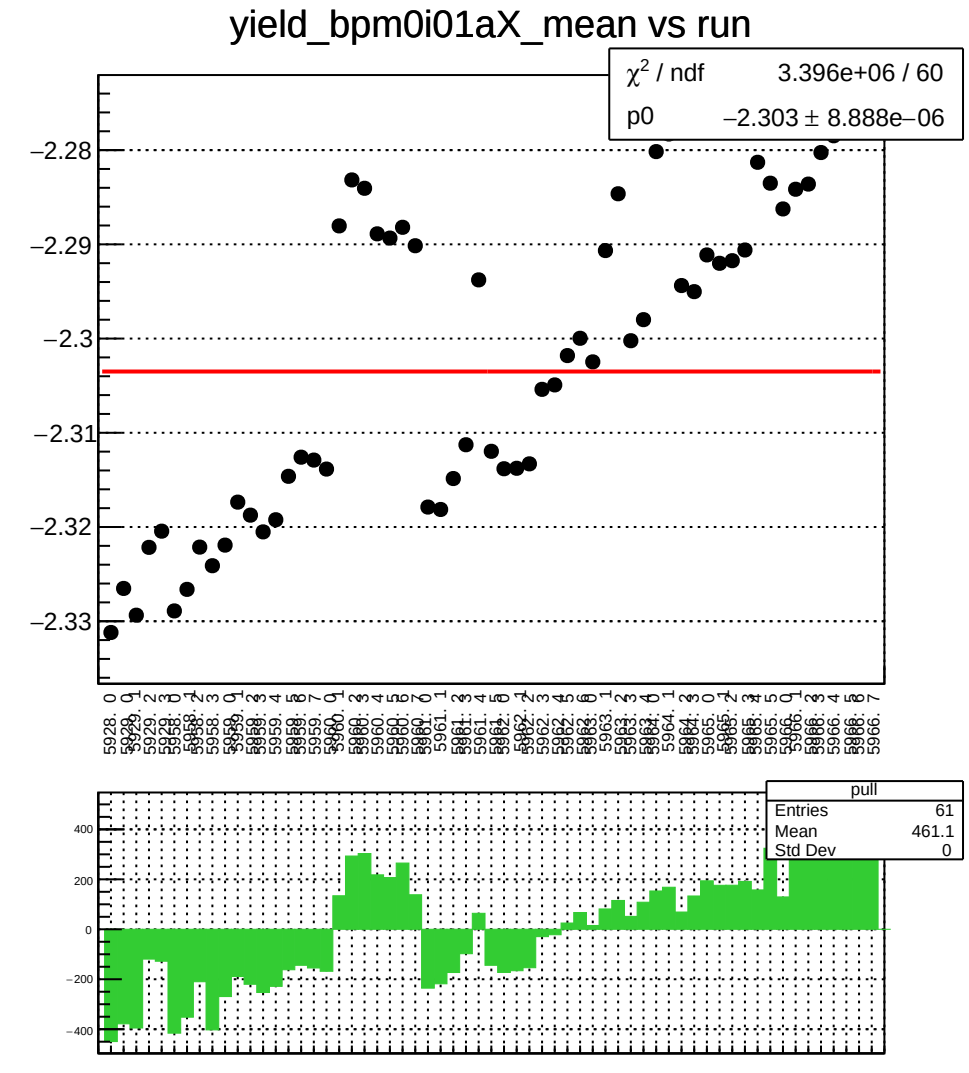

pull1D
Entries 61
Mean 0.07623
Std Dev 2.974
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

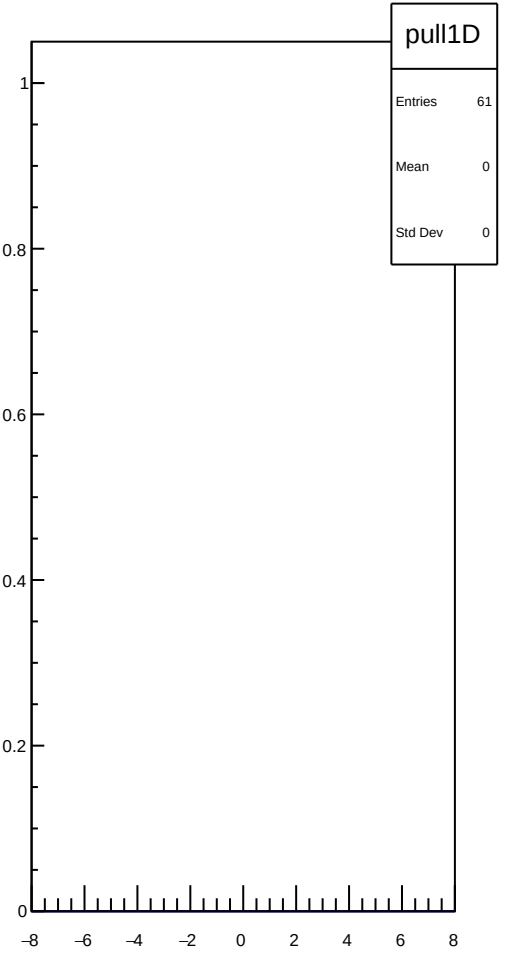

yield_bpm0i01X_rms vs run
χ² / ndf 3.563e+04 / 60
p0 0.01093 ± 1.016e−05
0.02
0.018
0.016
0.014
0.012
0.01

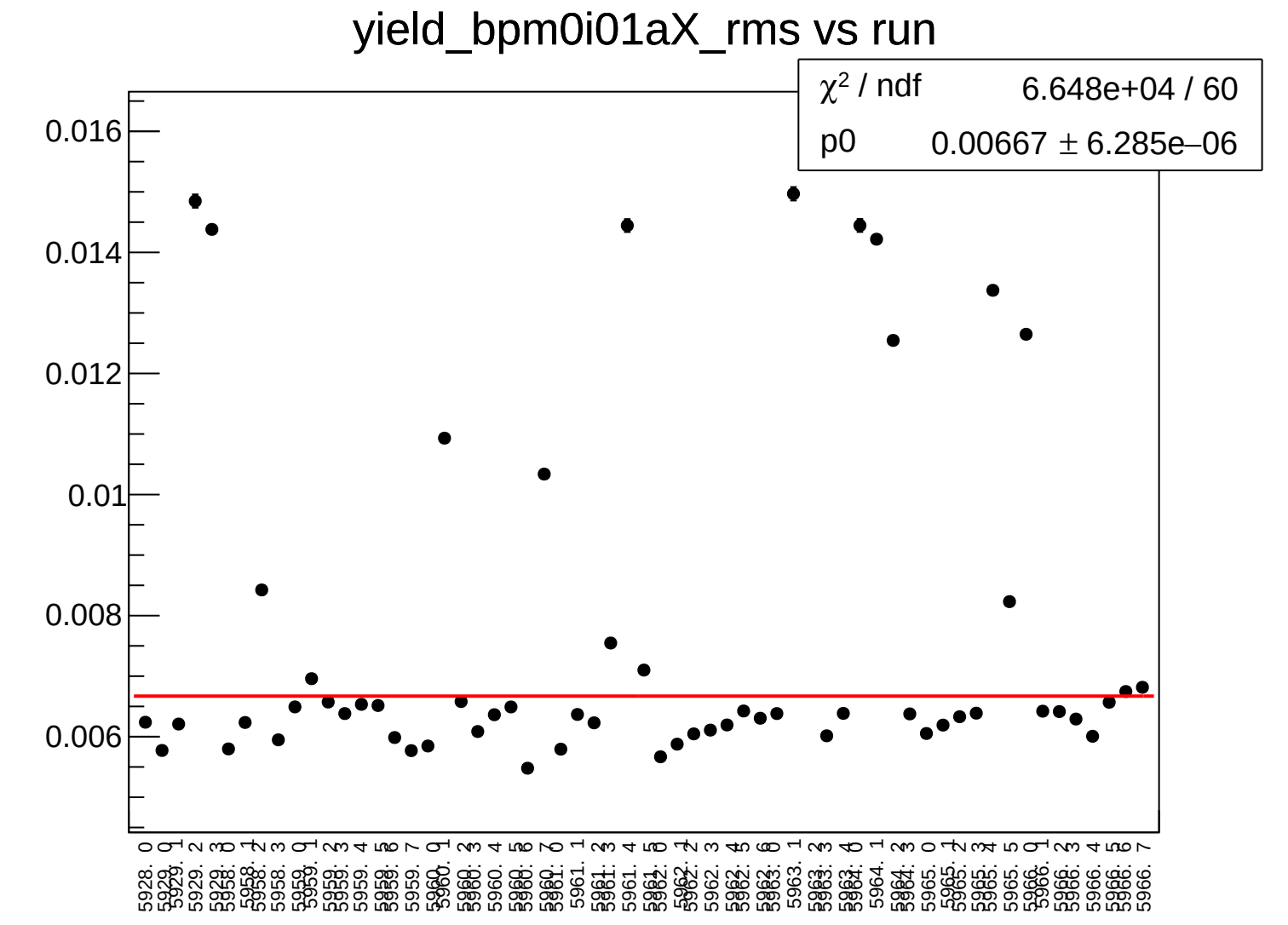

yield_bpm0i01Y_mean vs run
χ² / ndf 1.499e+07 / 60
p0 −2.002 ± 4.31e−06
−1.98
−1.99
−2
−2.01
−2.02
−2.03
−2.04
pull
Entries 61
Mean 873.2
Std Dev 0
1000
500
0
−500
−1000

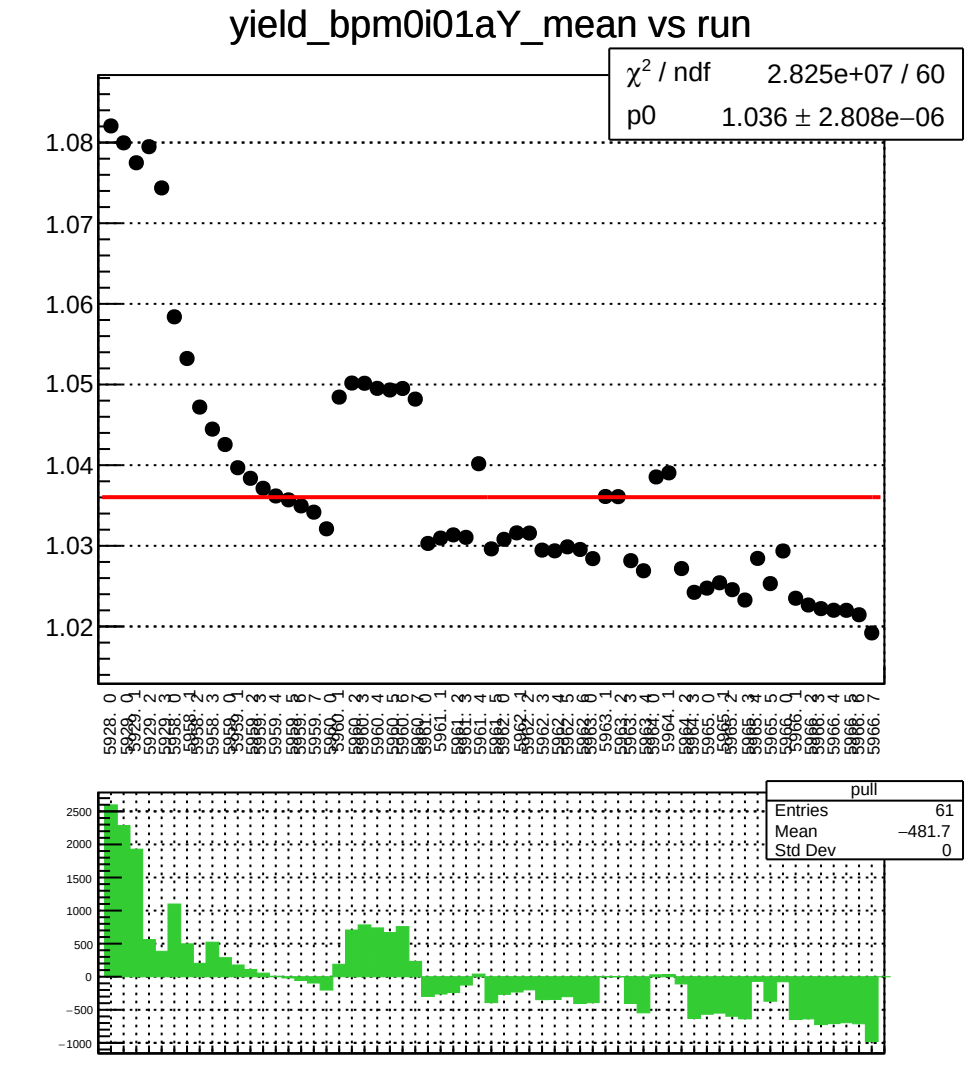

pull1D
Entries 61
Mean 0.9197
Std Dev 1.286
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

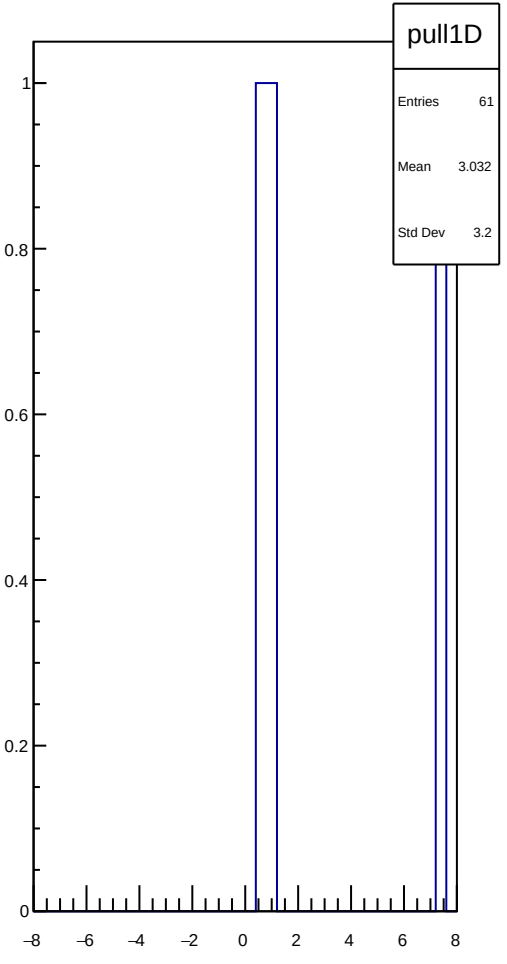

yield_bpm0i01Y_rms vs run
χ² / ndf 1.653e+05 / 60
p0 0.003089 ± 3.047e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

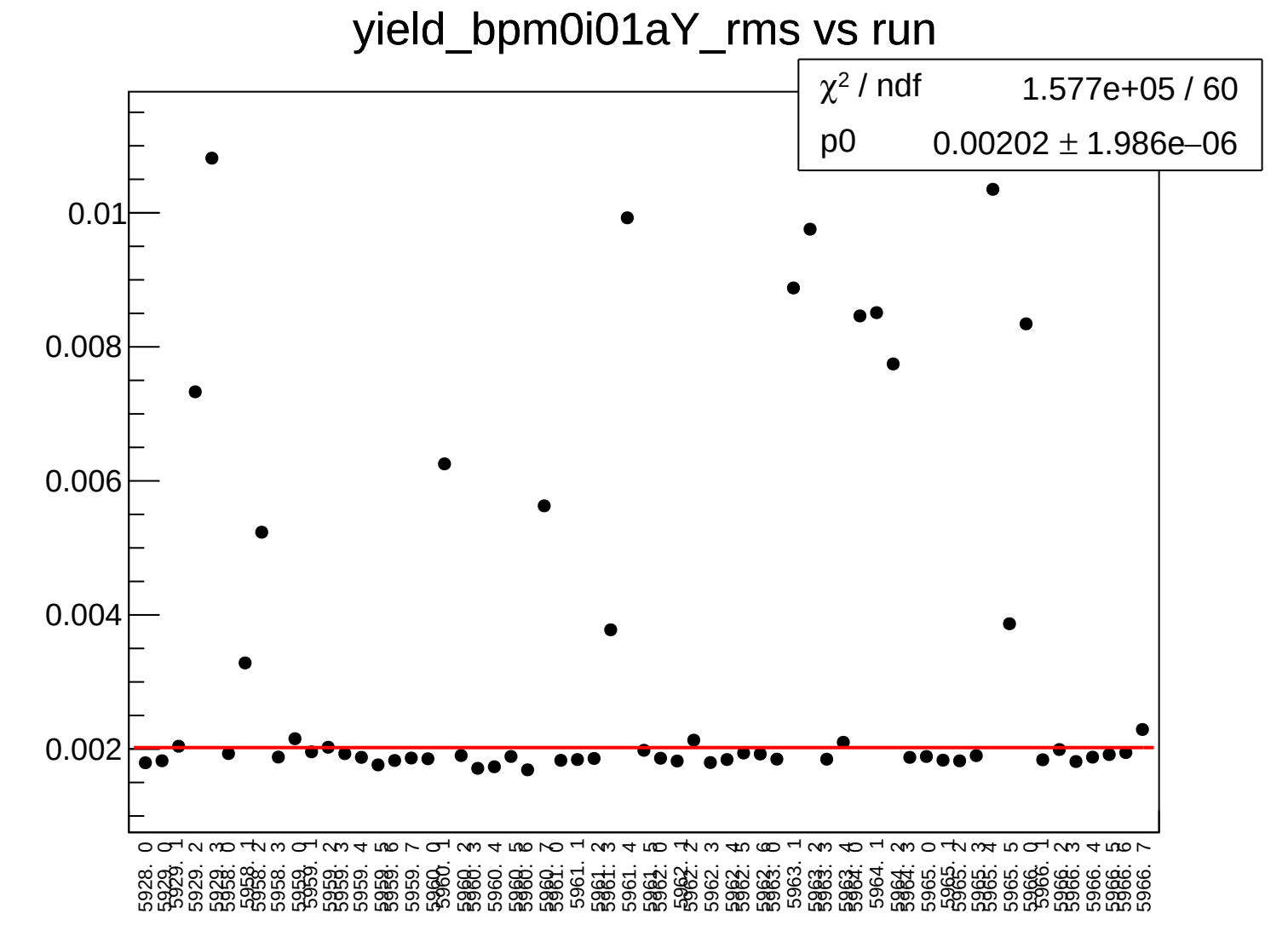

yield_bpm0i01aX_mean vs run
χ² / ndf 3.396e+06 / 60
p0 −2.303 ± 8.888e−06
−2.28
−2.29
−2.3
−2.31
−2.32
−2.33
pull
Entries 61
Mean 461.1
Std Dev 0
400
200
0
−200
−400

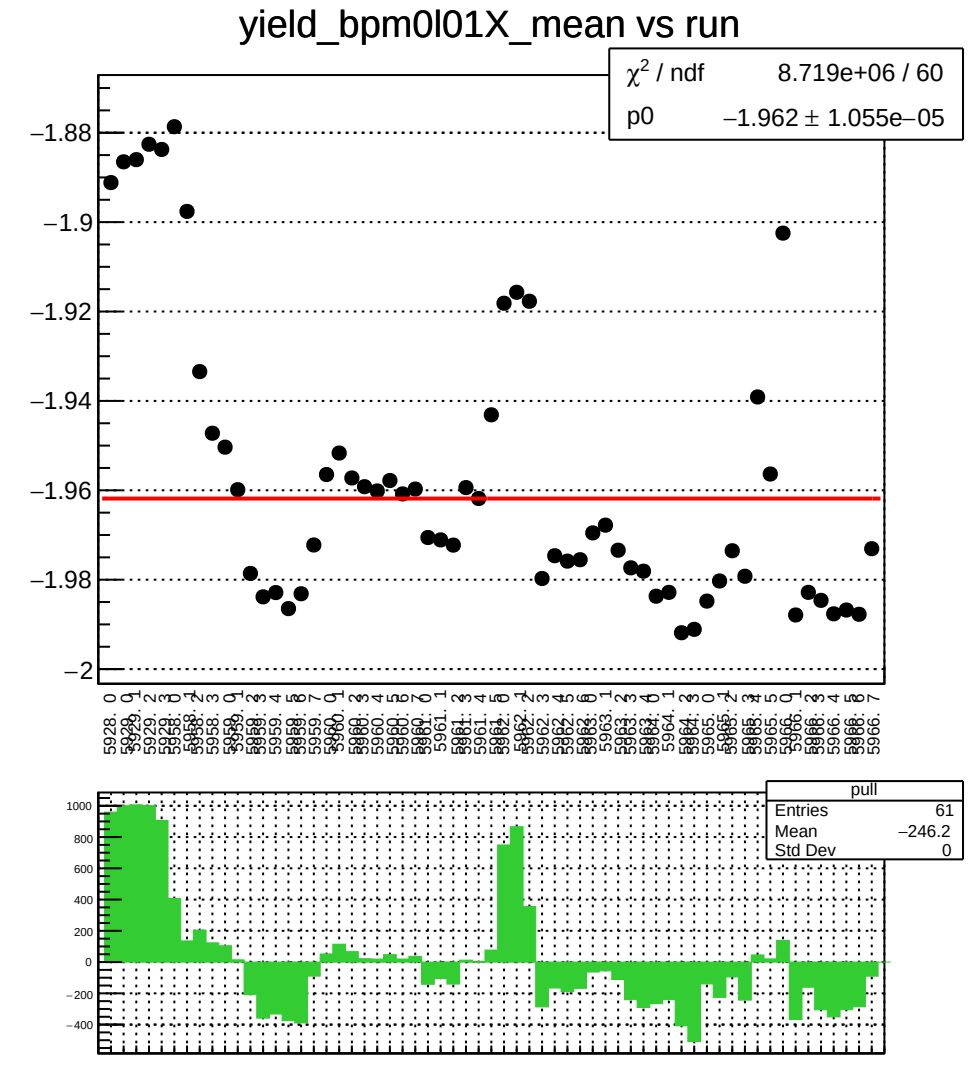

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

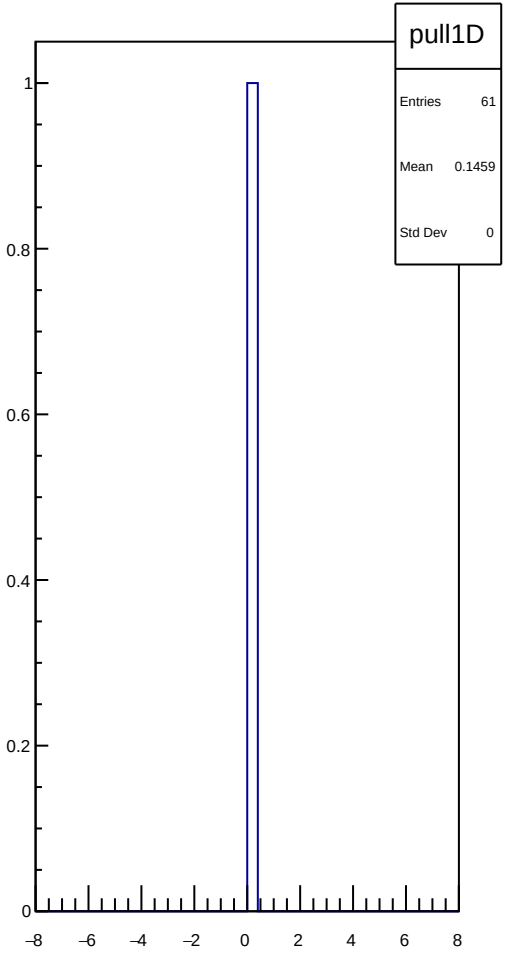

yield_bpm0i01aX_rms vs run
χ² / ndf 6.648e+04 / 60
p0 0.00667 ± 6.285e–06
0.016
0.014
0.012
0.01
0.008
0.006

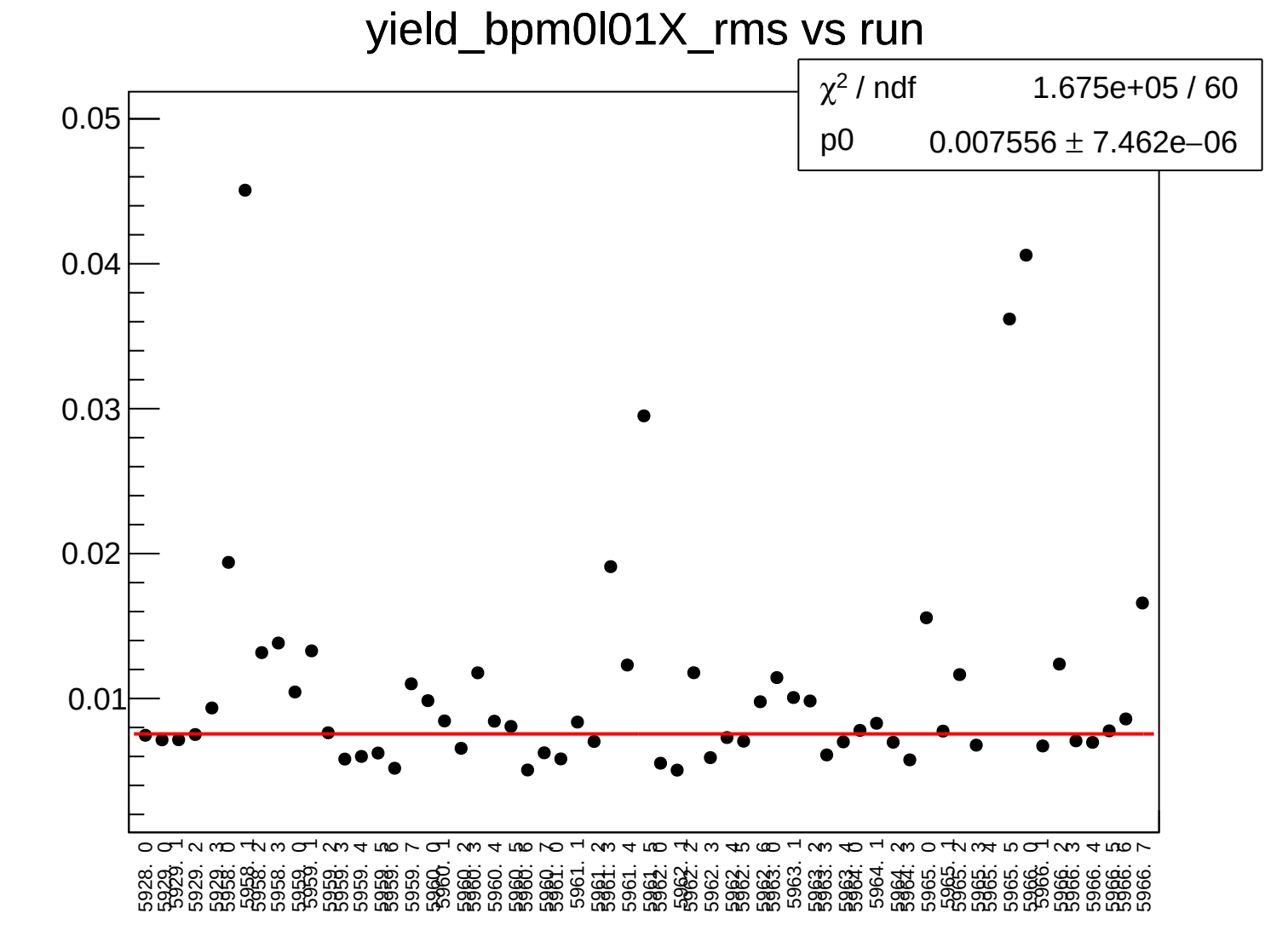

yield_bpm0i01aY_mean vs run
χ² / ndf 2.825e+07 / 60
p0 1.036 ± 2.808e−06
1.08
1.07
1.06
1.05
1.04
1.03
1.02
pull
Entries 61
Mean −481.7
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000

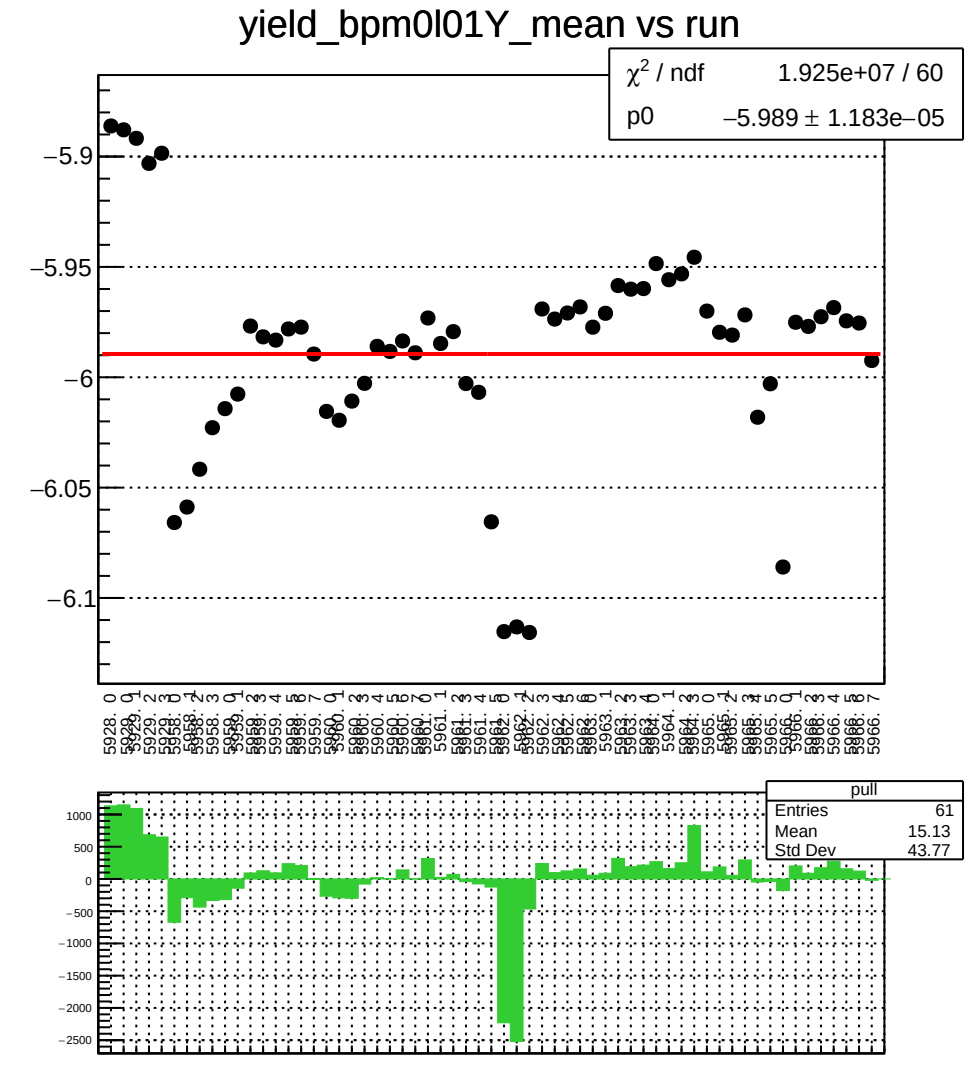

pull1D
Entries 61
Mean 3.032
Std Dev 3.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

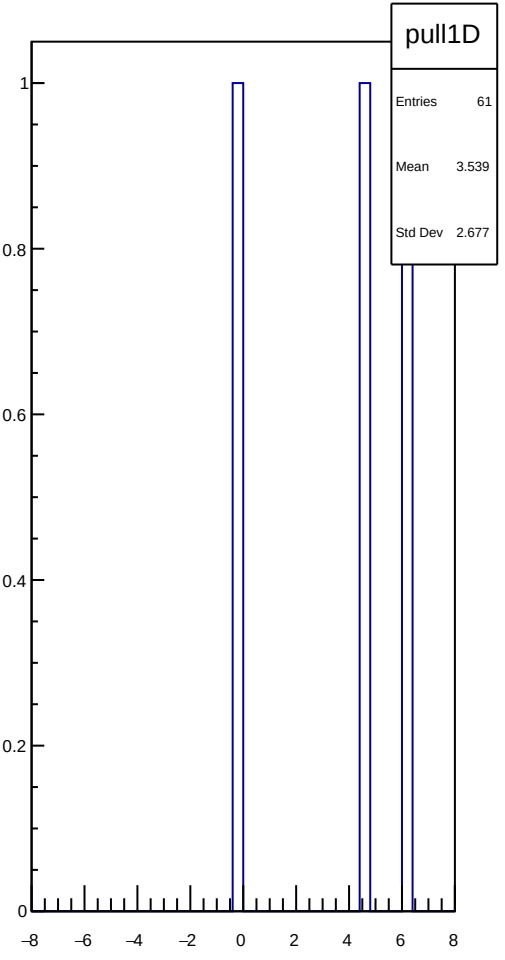

yield_bpm0i01aY_rms vs run
χ² / ndf 1.577e+05 / 60
p0 0.00202 ± 1.986e–06
0.01
0.008
0.006
0.004
0.002

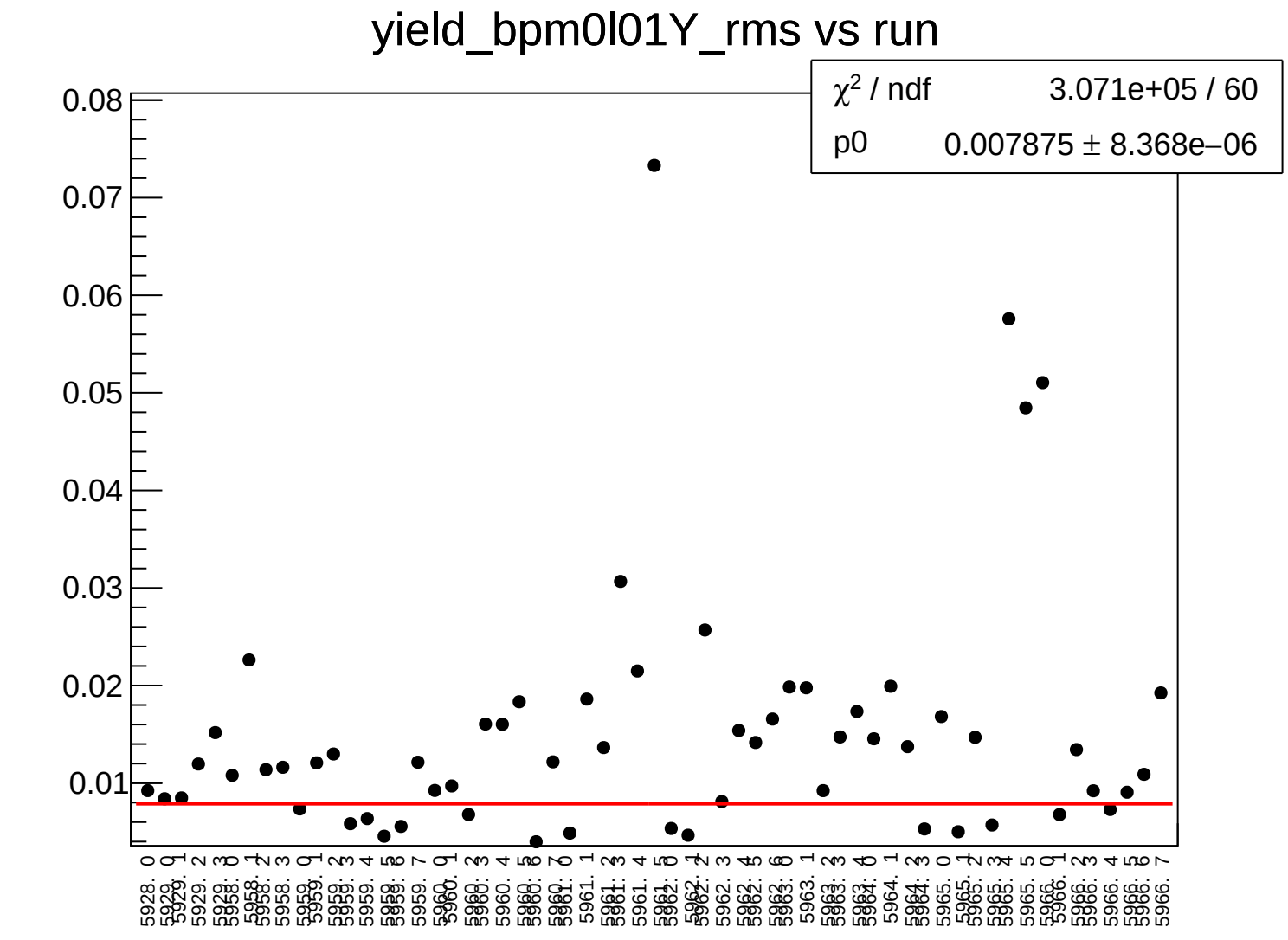

yield_bpm0l01X_mean vs run
χ² / ndf 8.719e+06 / 60
p0 −1.962 ± 1.055e−05
−1.88
−1.9
−1.92
−1.94
−1.96
−1.98
−2
pull
Entries 61
Mean −246.2
Std Dev 0
1000
800
600
400
200
0
−200
−400

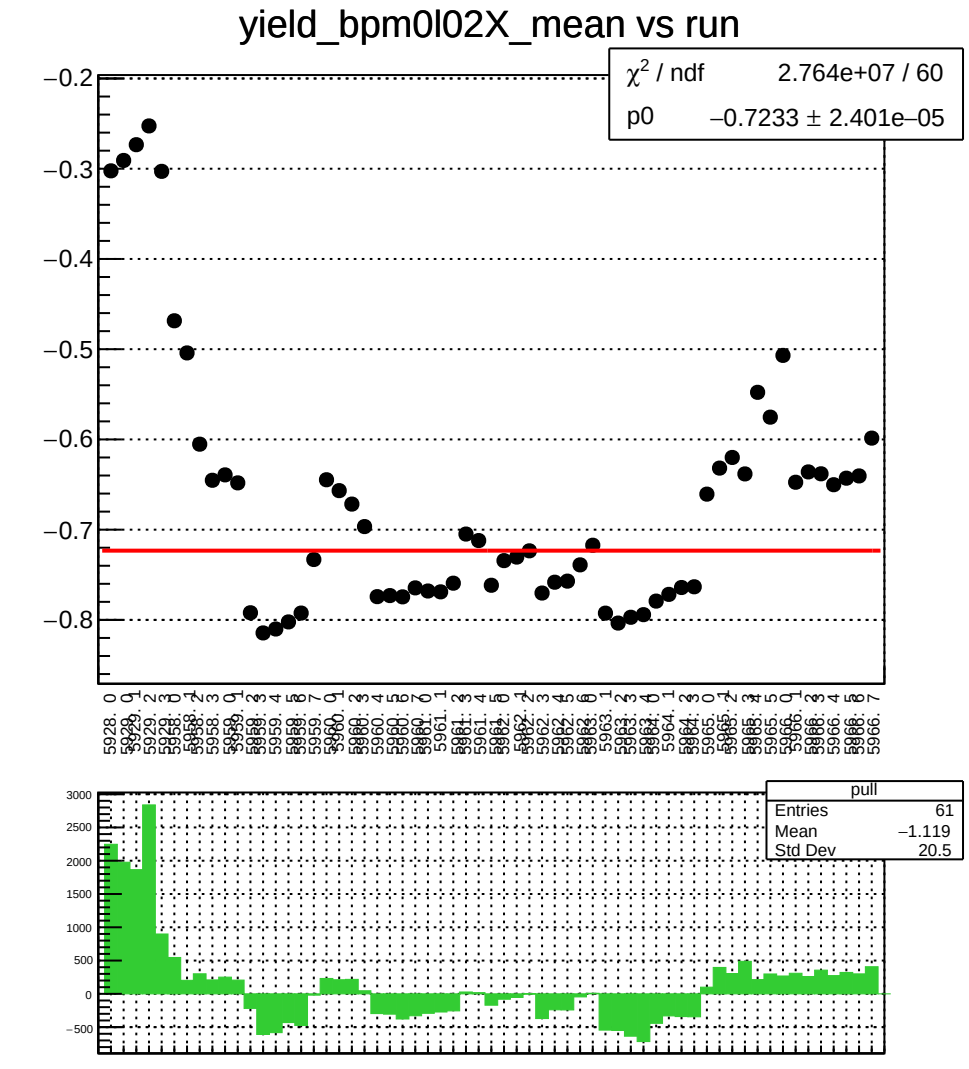

pull1D
Entries 61
Mean 0.1459
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

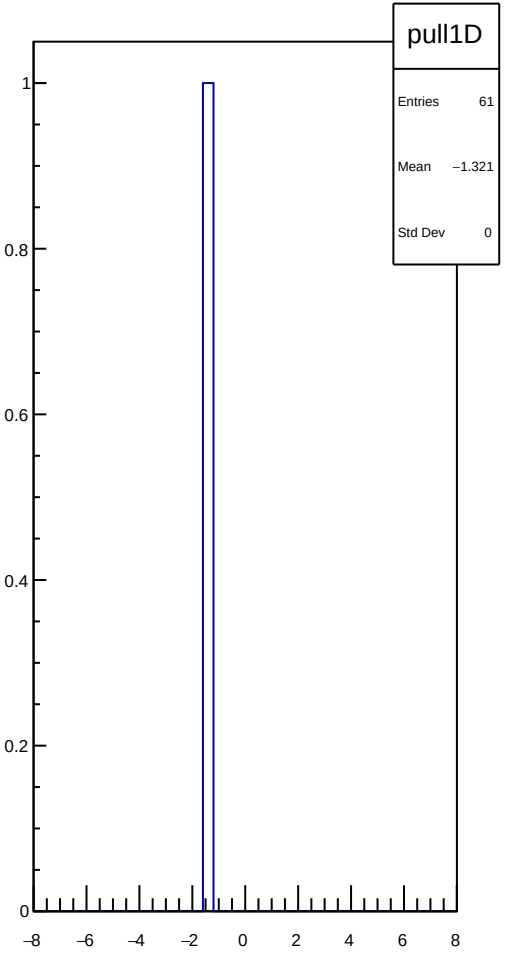

yield_bpm0l01X_rms vs run
χ² / ndf 1.675e+05 / 60
p0 0.007556 ± 7.462e−06
0.05
0.04
0.03
0.02
0.01

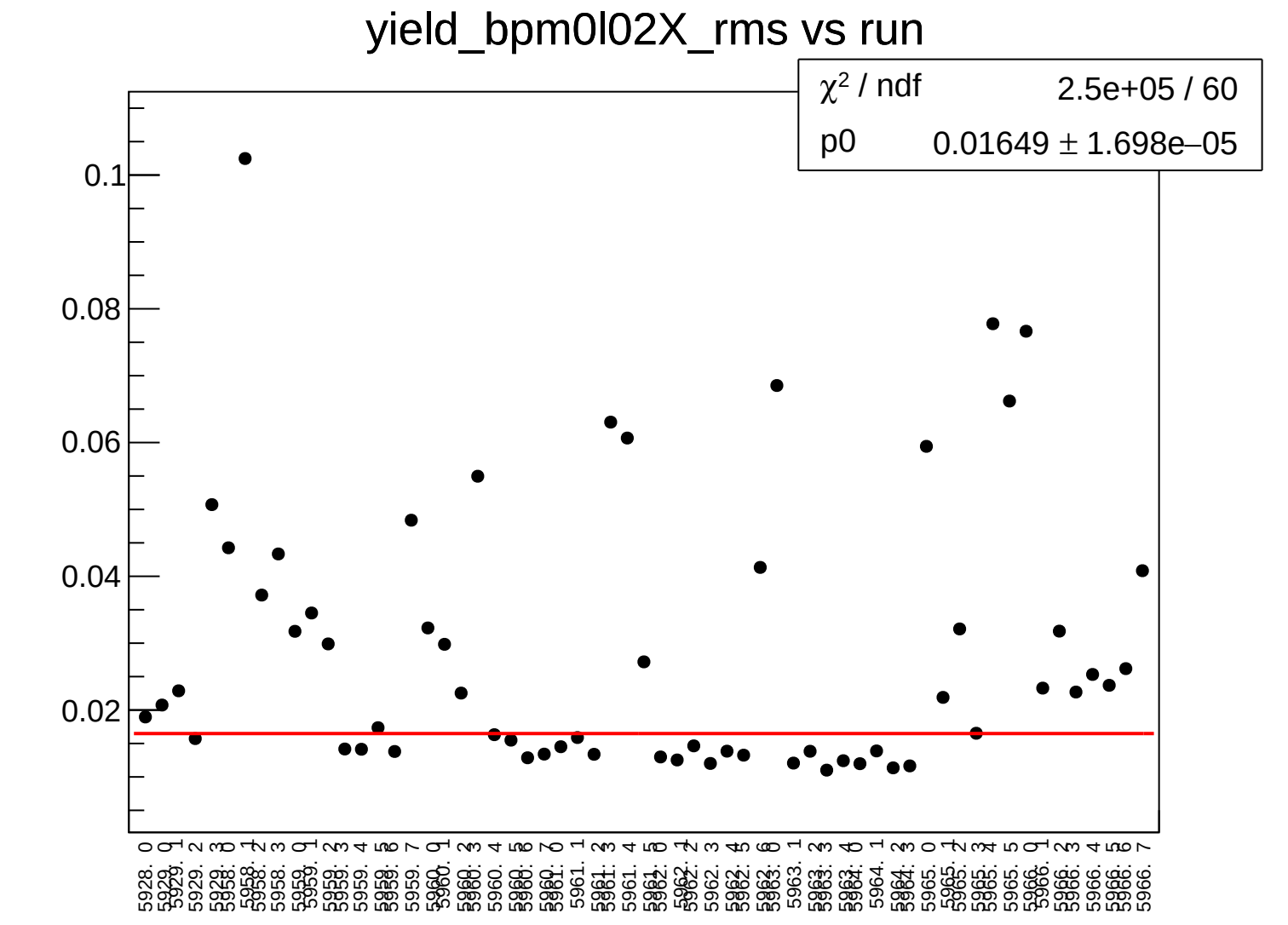

yield_bpm0l01Y_mean vs run
χ² / ndf 1.925e+07 / 60
p0 −5.989 ± 1.183e−05
−5.9
−5.95
−6
−6.05
−6.1
pull
Entries 61
Mean 15.13
Std Dev 43.77
1000
500
0
−500
−1000
−1500
−2000
−2500

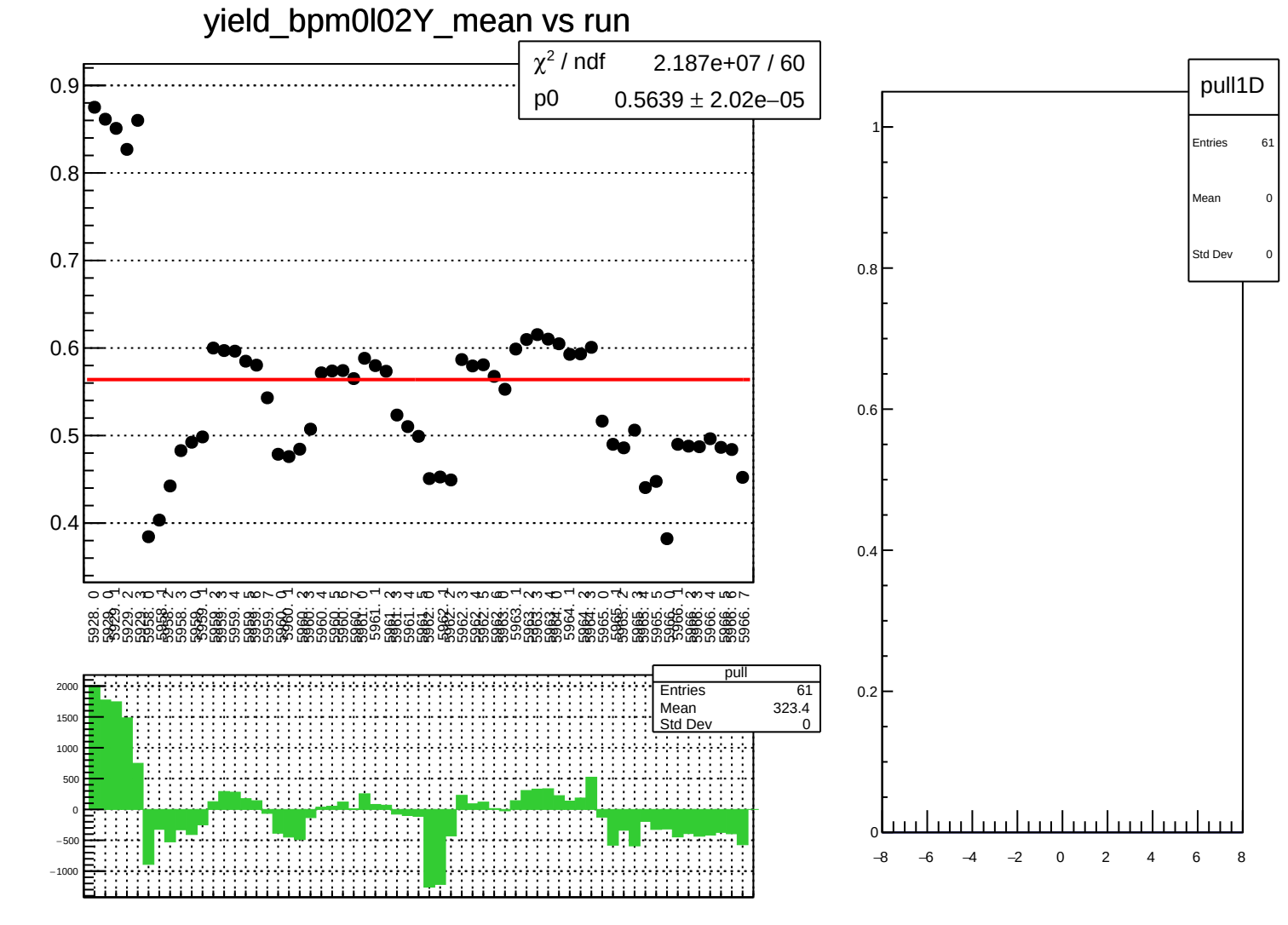

pull1D
Entries 61
Mean 3.539
Std Dev 2.677
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

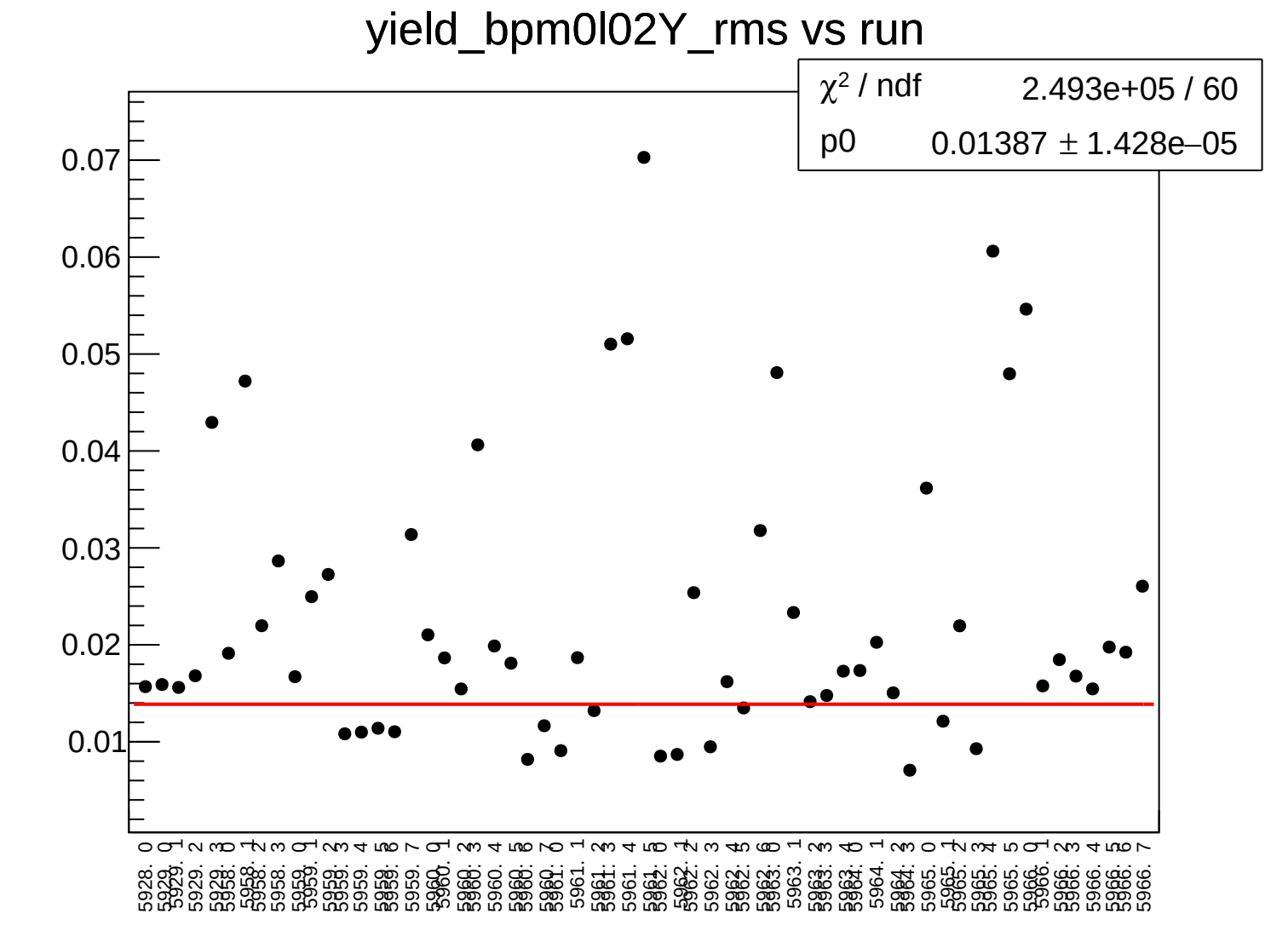

yield_bpm0l01Y_rms vs run
χ² / ndf 3.071e+05 / 60
p0 0.007875 ± 8.368e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

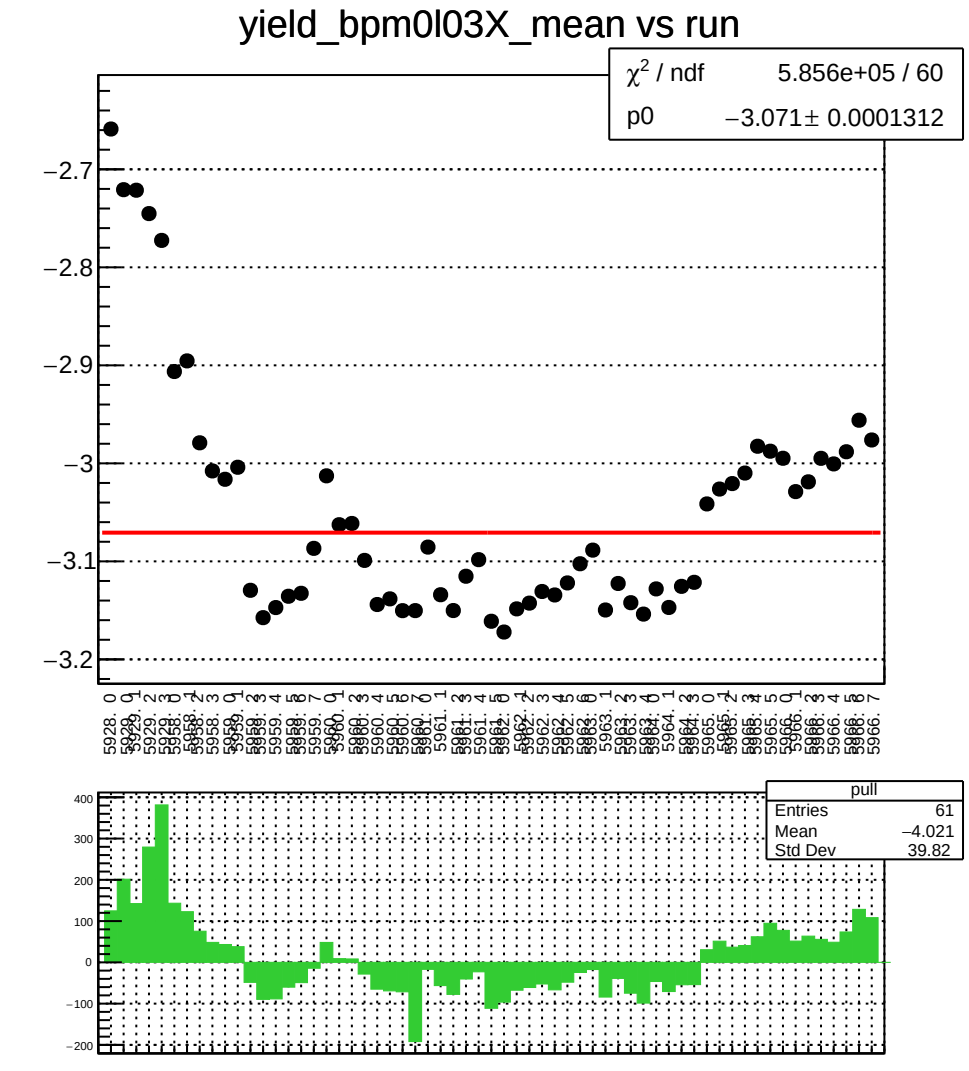

yield_bpm0l02X_mean vs run
χ² / ndf 2.764e+07 / 60
p0 −0.7233 ± 2.401e−05
pull
Entries 61
Mean −1.119
Std Dev 20.5

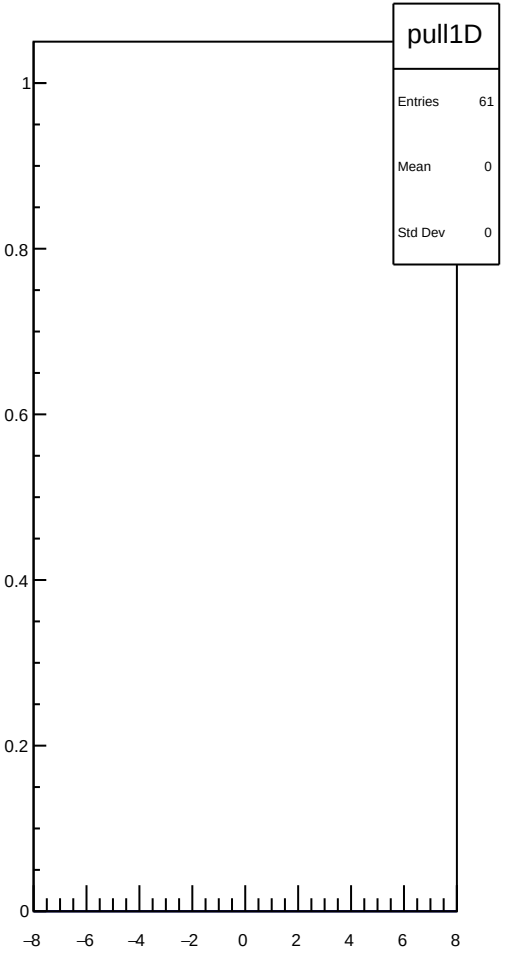

pull1D
Entries 61
Mean −1.321
Std Dev 0

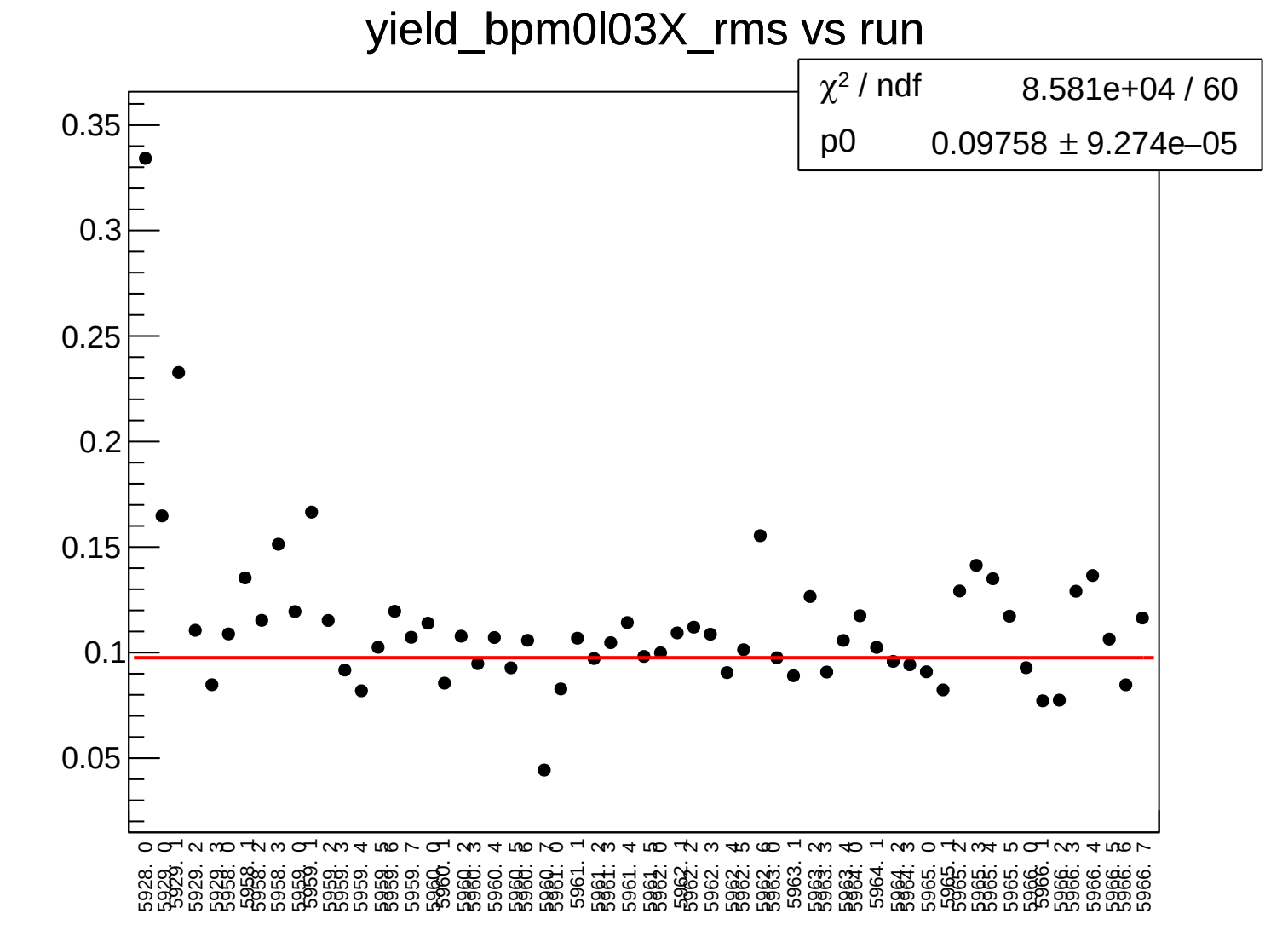

yield_bpm0l02X_rms vs run
χ² / ndf 2.5e+05 / 60
p0 0.01649 ± 1.698e−05
0.1
0.08
0.06
0.04
0.02

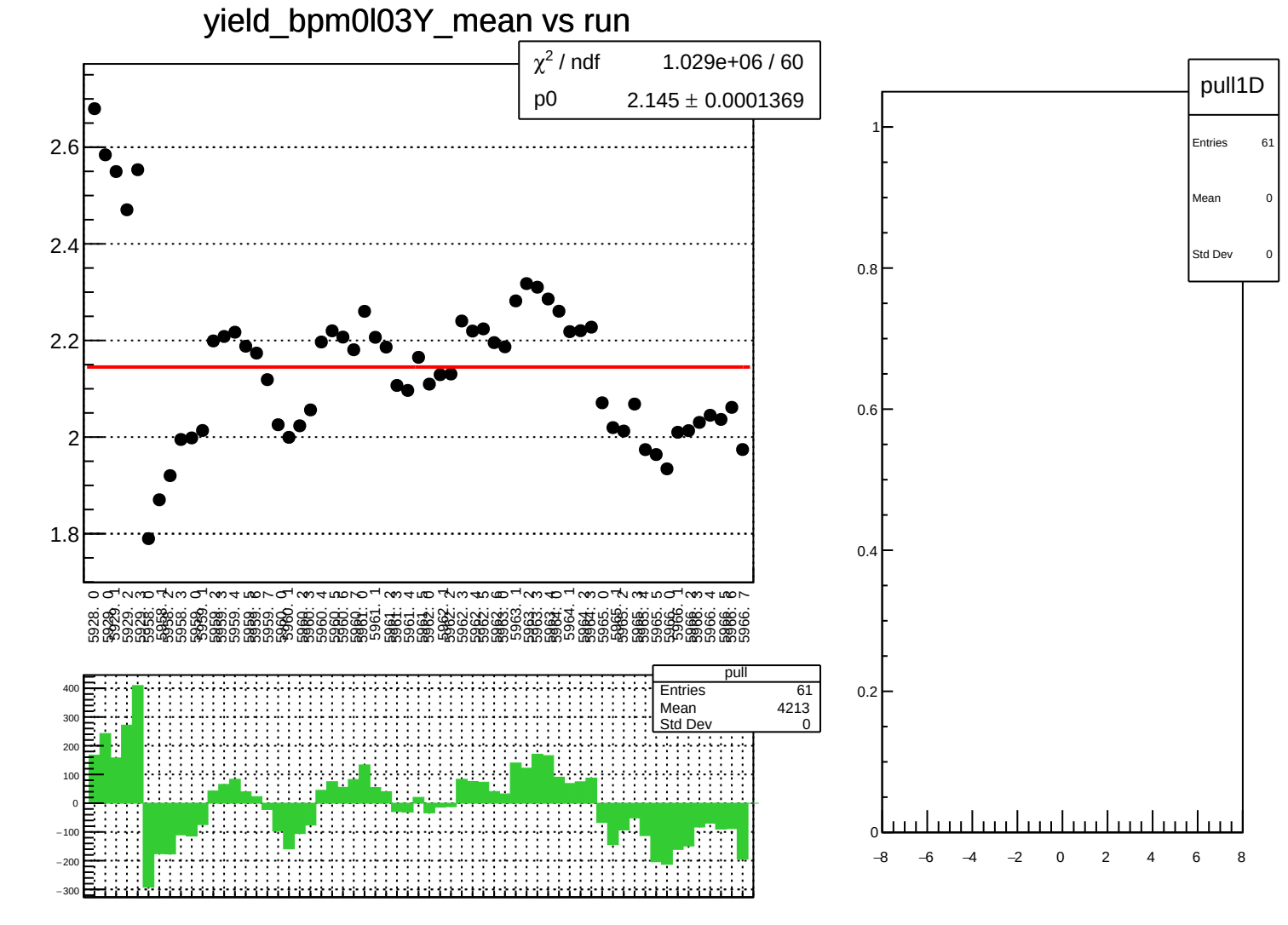

yield_bpm0l02Y_mean vs run
χ² / ndf 2.187e+07 / 60
p0 0.5639 ± 2.02e−05
pull
Entries 61
Mean 323.4
Std Dev 0
pull1D
Entries 61
Mean 0
Std Dev 0

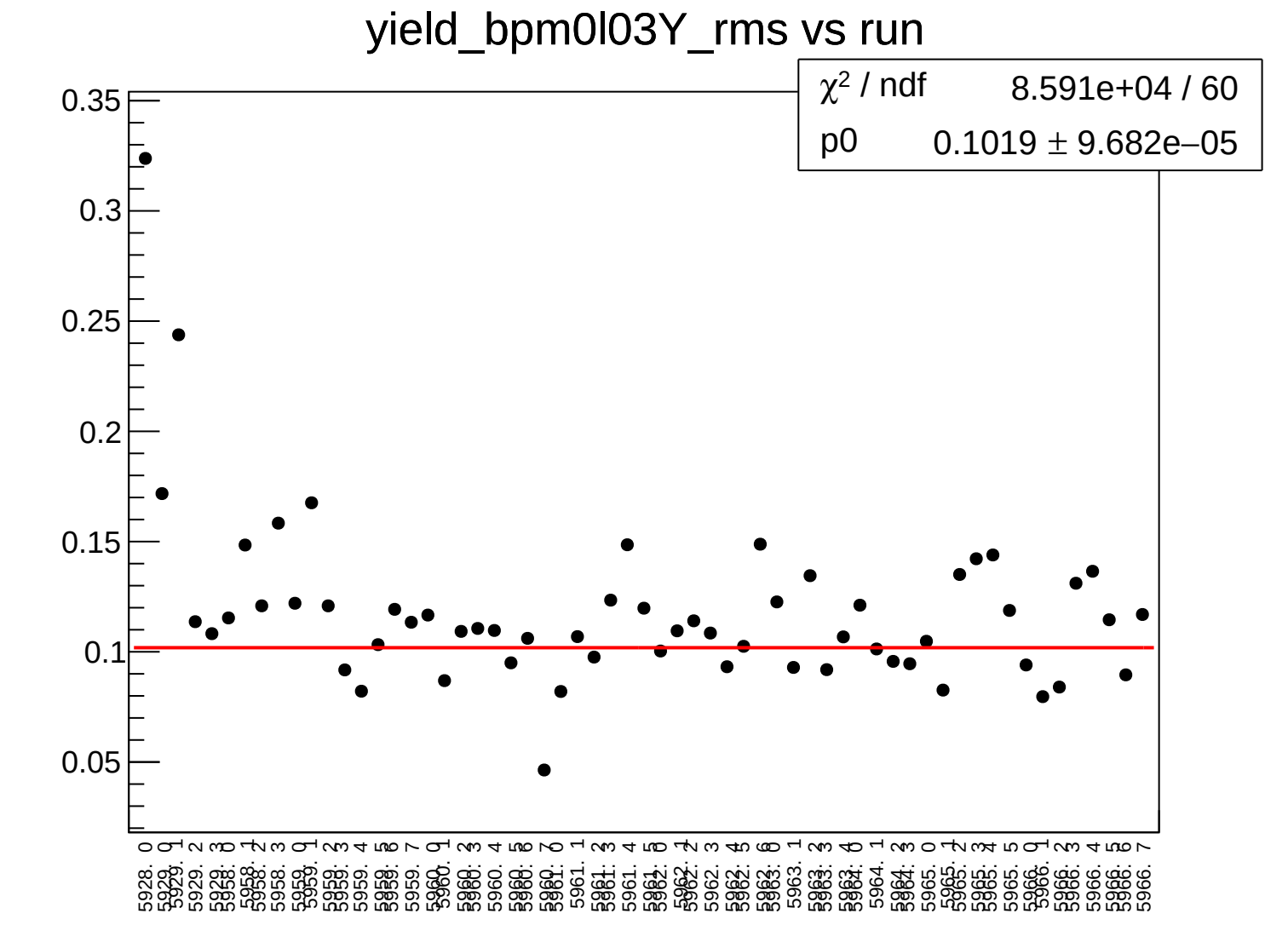

yield_bpm0l02Y_rms vs run
χ² / ndf 2.493e+05 / 60
p0 0.01387 ± 1.428e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

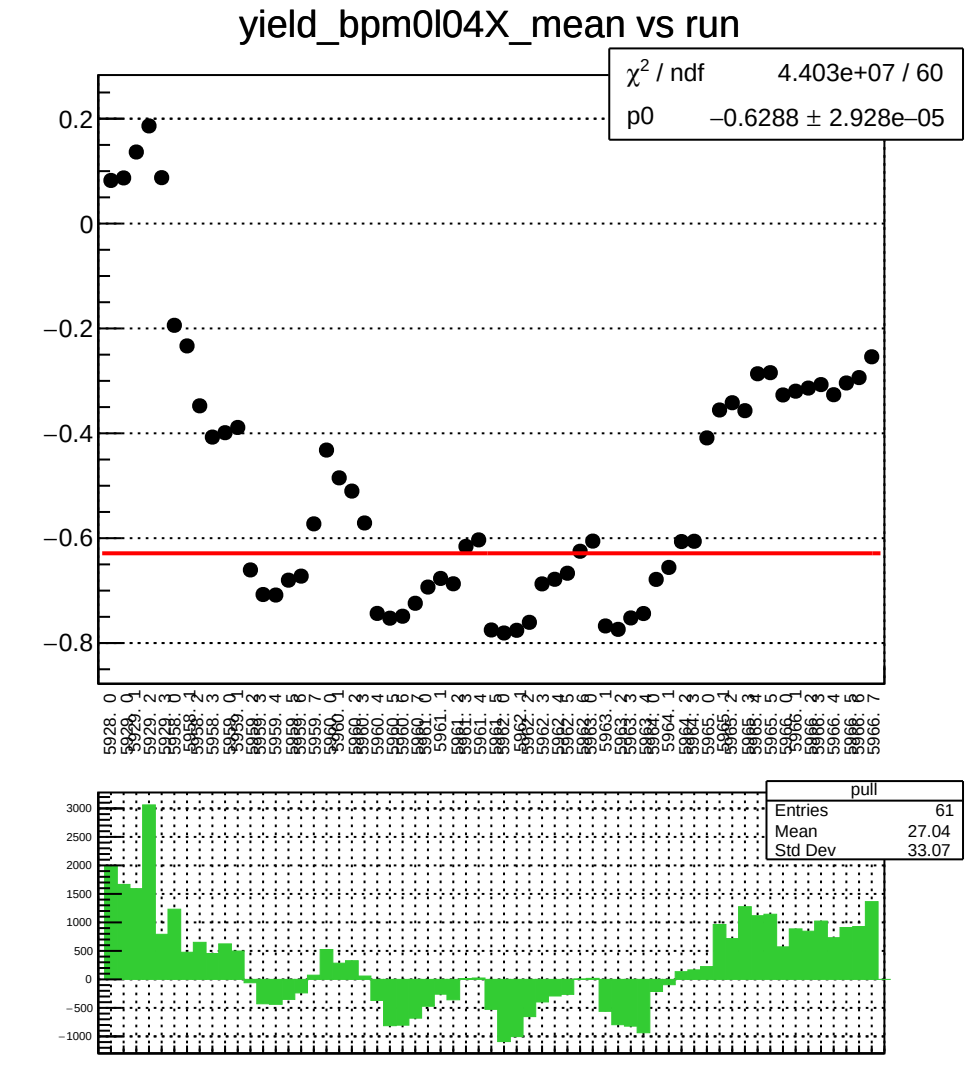

yield_bpm0l03X_mean vs run
χ² / ndf 5.856e+05 / 60
p0 −3.071± 0.0001312
−2.7
−2.8
−2.9
−3
−3.1
−3.2
pull
Entries 61
Mean −4.021
Std Dev 39.82
400
300
200
100
0
−100
−200

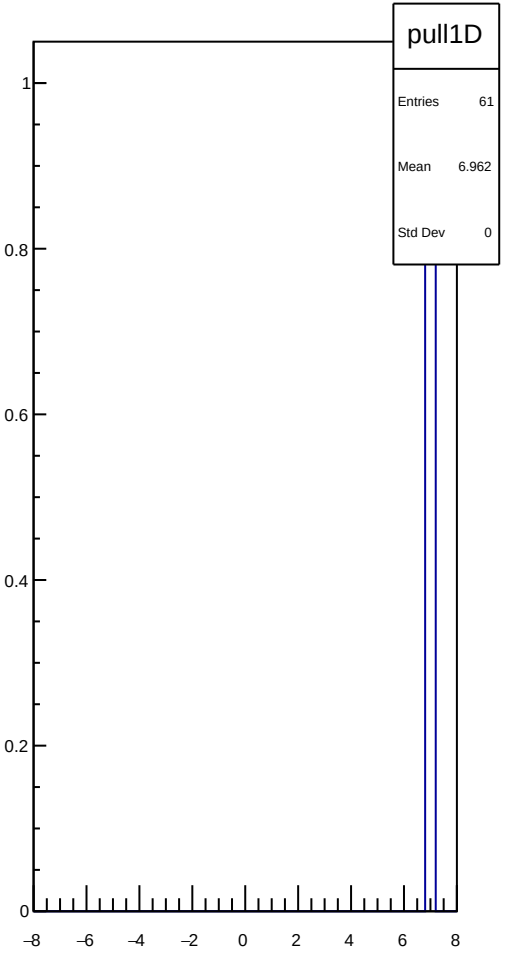

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

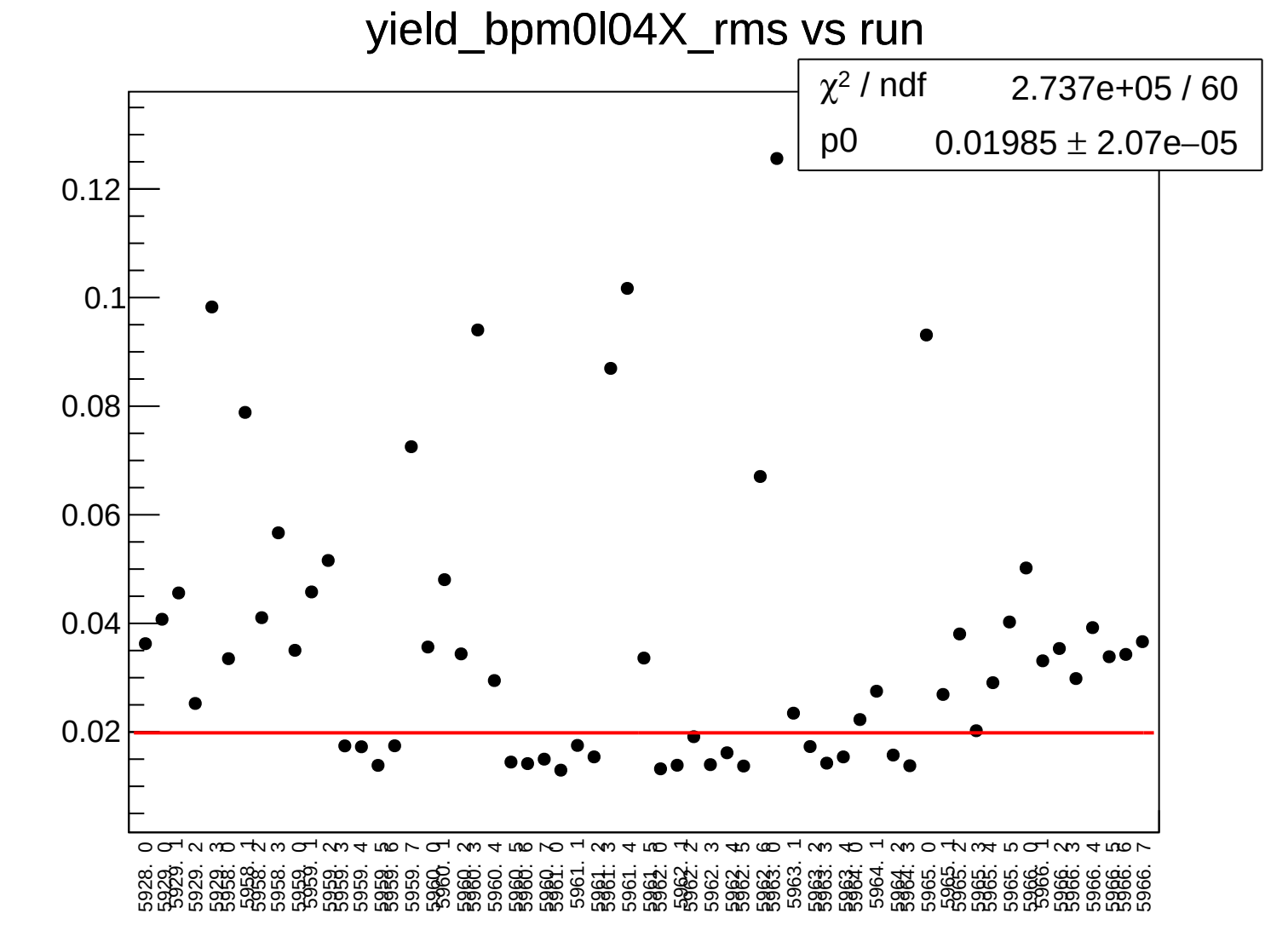

yield_bpm0l03X_rms vs run
χ² / ndf 8.581e+04 / 60
p0 0.09758 ± 9.274e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

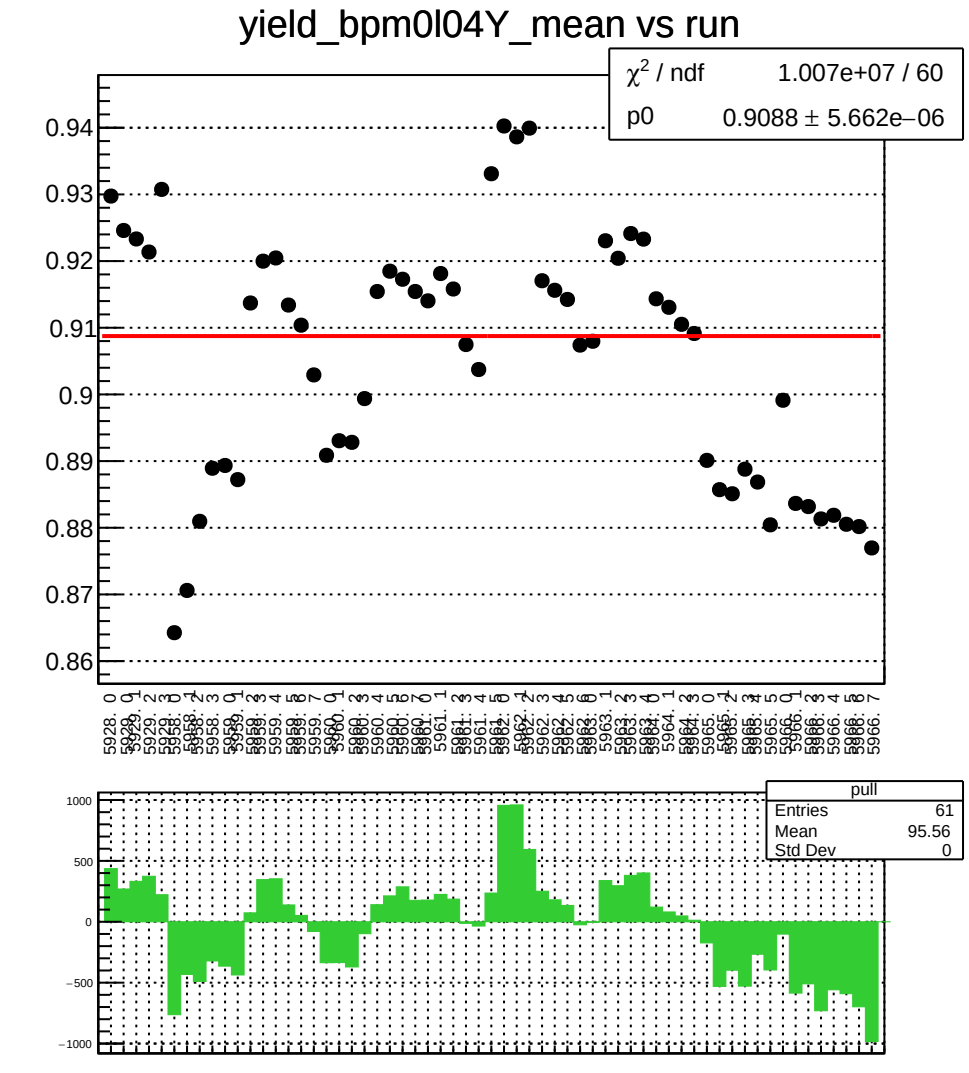

yield_bpm0l03Y_mean vs run
χ² / ndf 1.029e+06 / 60
p0 2.145 ± 0.0001369
pull
Entries 61
Mean 4213
Std Dev 0
pull1D
Entries 61
Mean 0
Std Dev 0

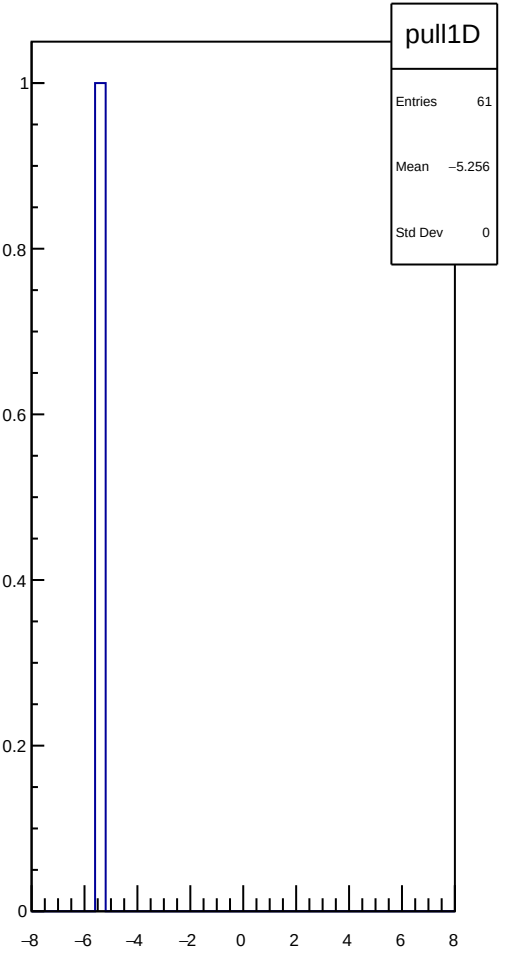

yield_bpm0l03Y_rms vs run
χ² / ndf 8.591e+04 / 60
p0 0.1019 ± 9.682e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

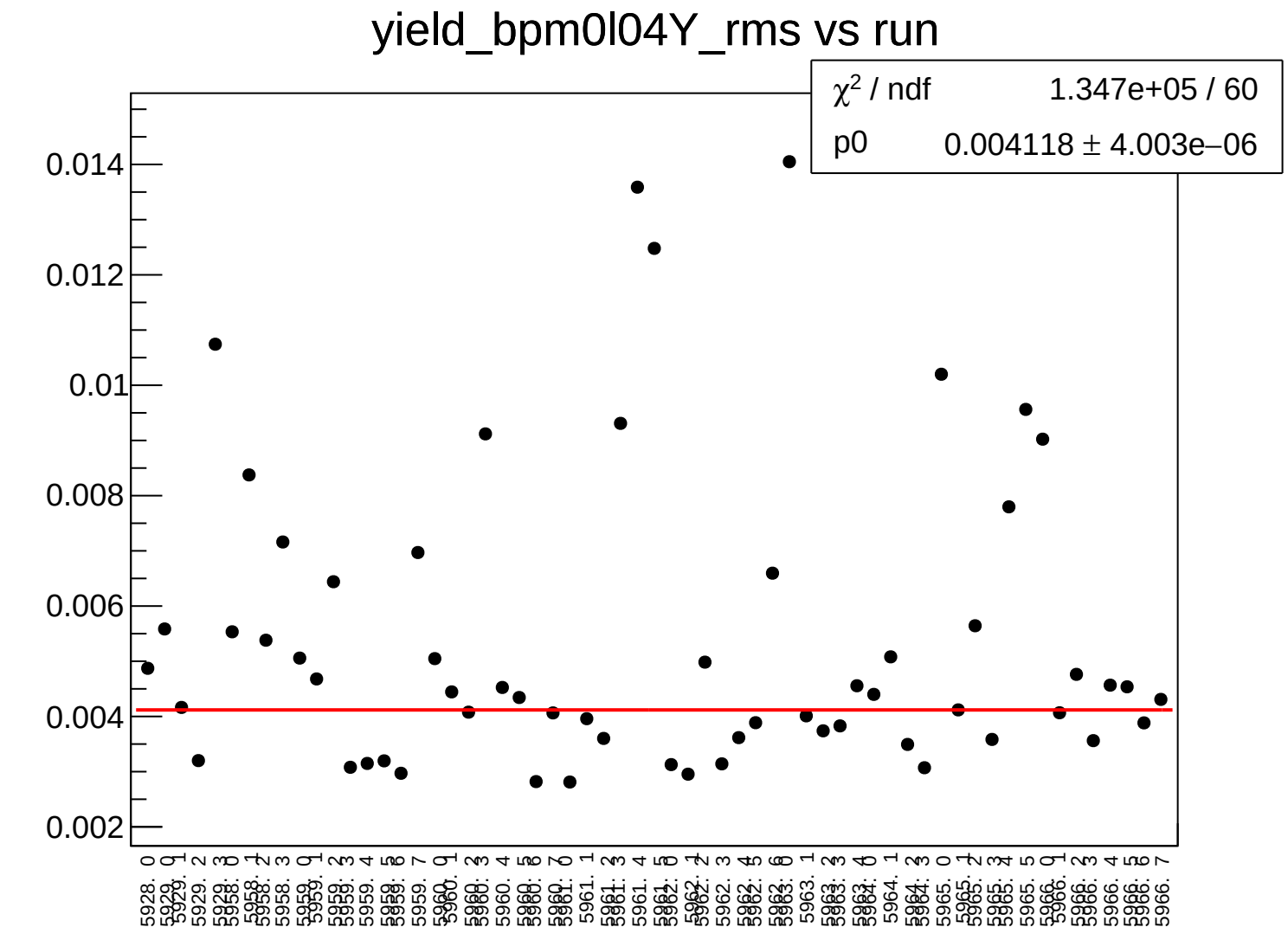

yield_bpm0l04X_mean vs run
χ² / ndf 4.403e+07 / 60
p0 −0.6288 ± 2.928e−05
pull
Entries 61
Mean 27.04
Std Dev 33.07

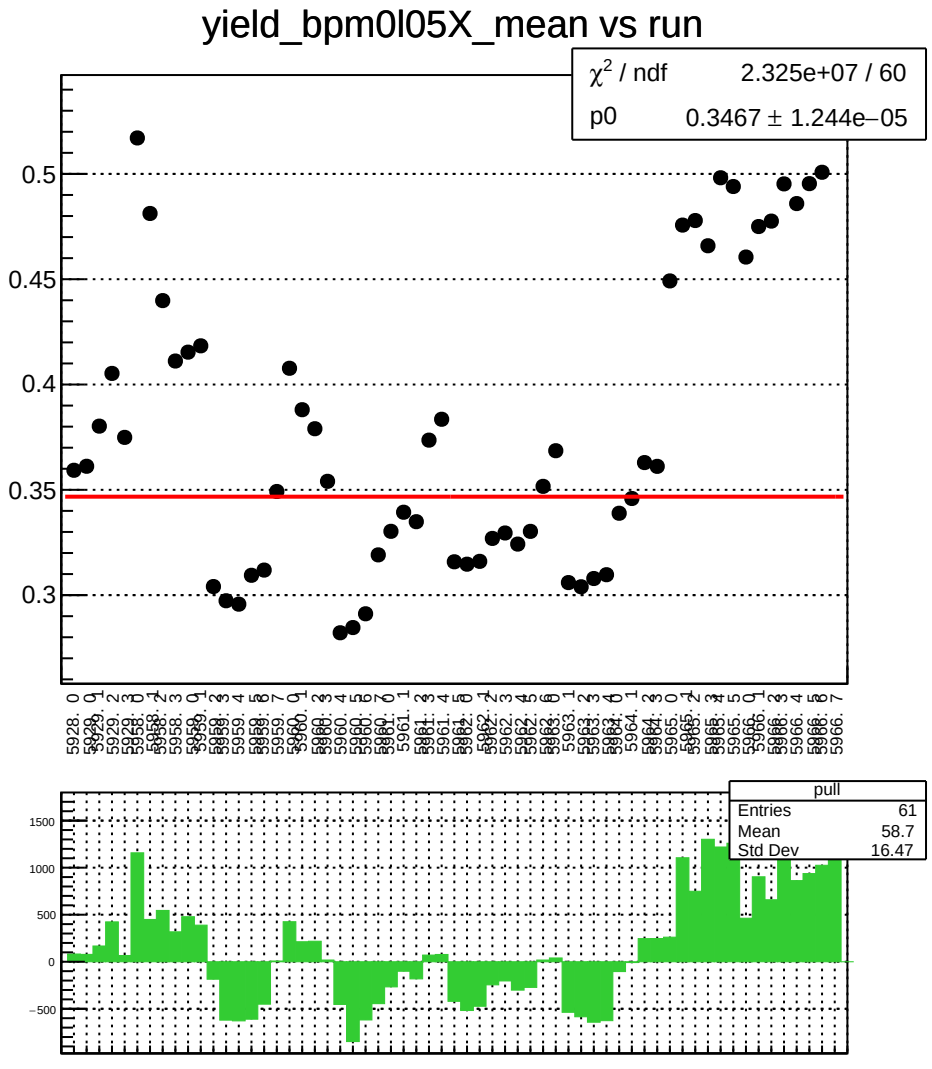

pull1D
Entries 61
Mean 6.962
Std Dev 0

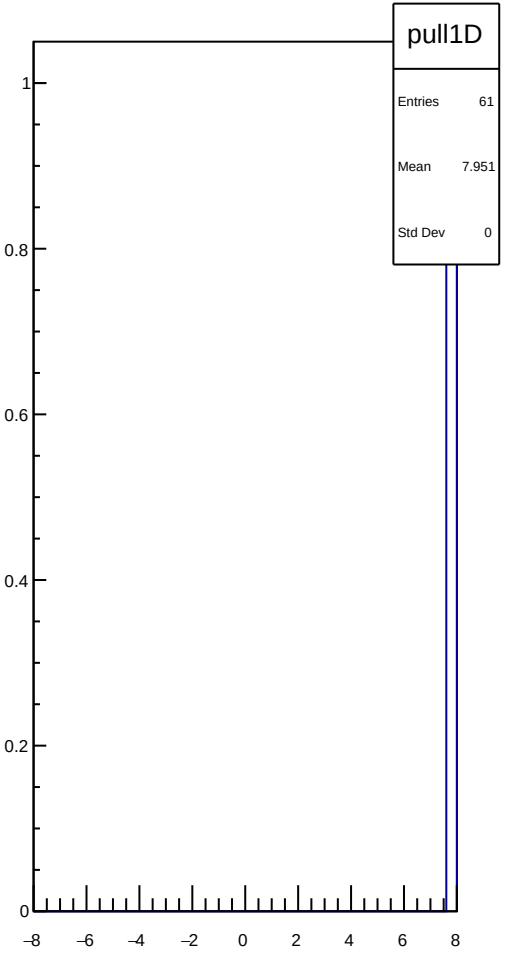

yield_bpm0l04X_rms vs run
χ² / ndf 2.737e+05 / 60
p0 0.01985 ± 2.07e−05
0.12
0.1
0.08
0.06
0.04
0.02

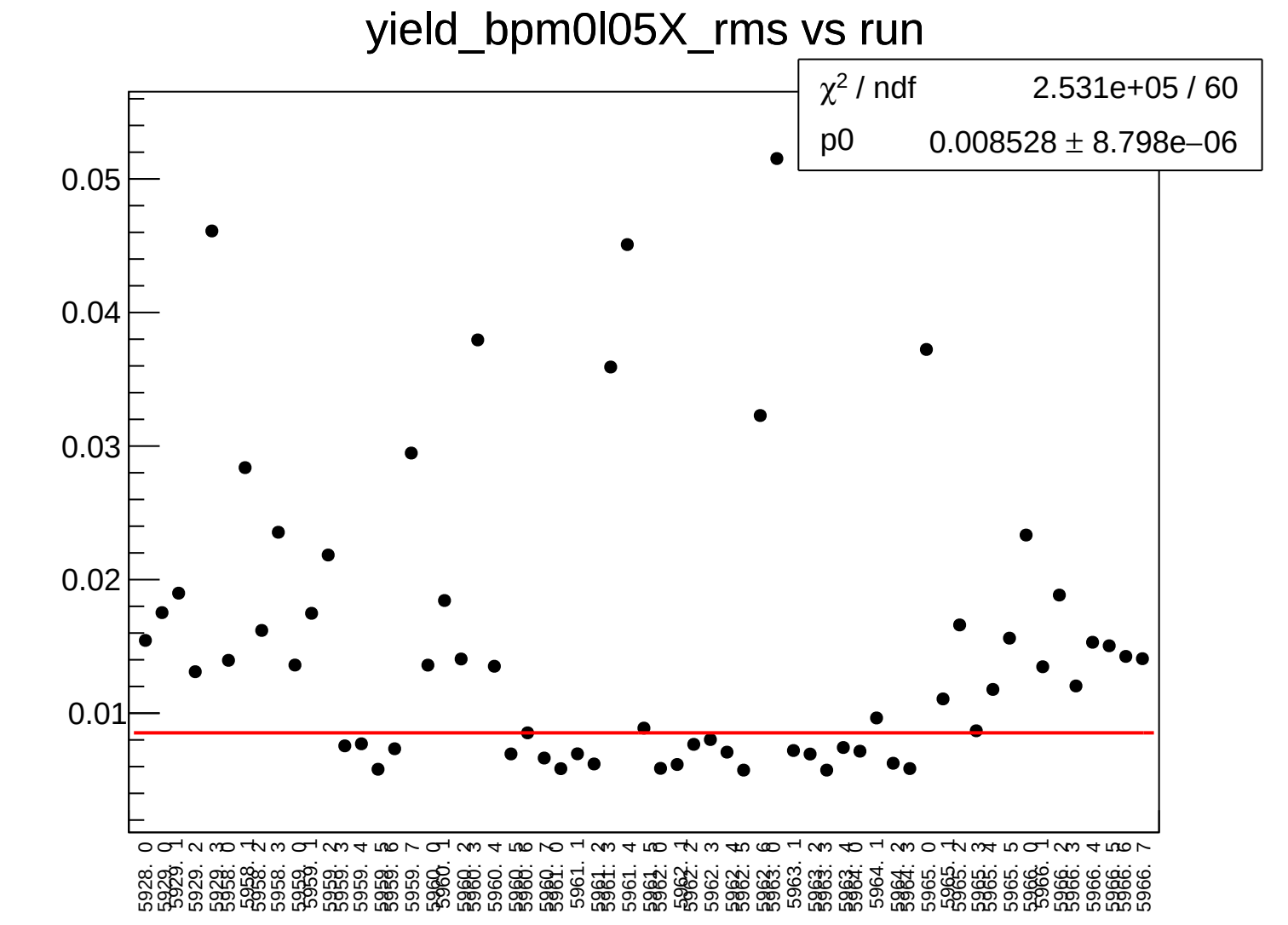

yield_bpm0l04Y_mean vs run
χ² / ndf 1.007e+07 / 60
p0 0.9088 ± 5.662e−06
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
pull
Entries 61
Mean 95.56
Std Dev 0
1000
500
0
−500
−1000

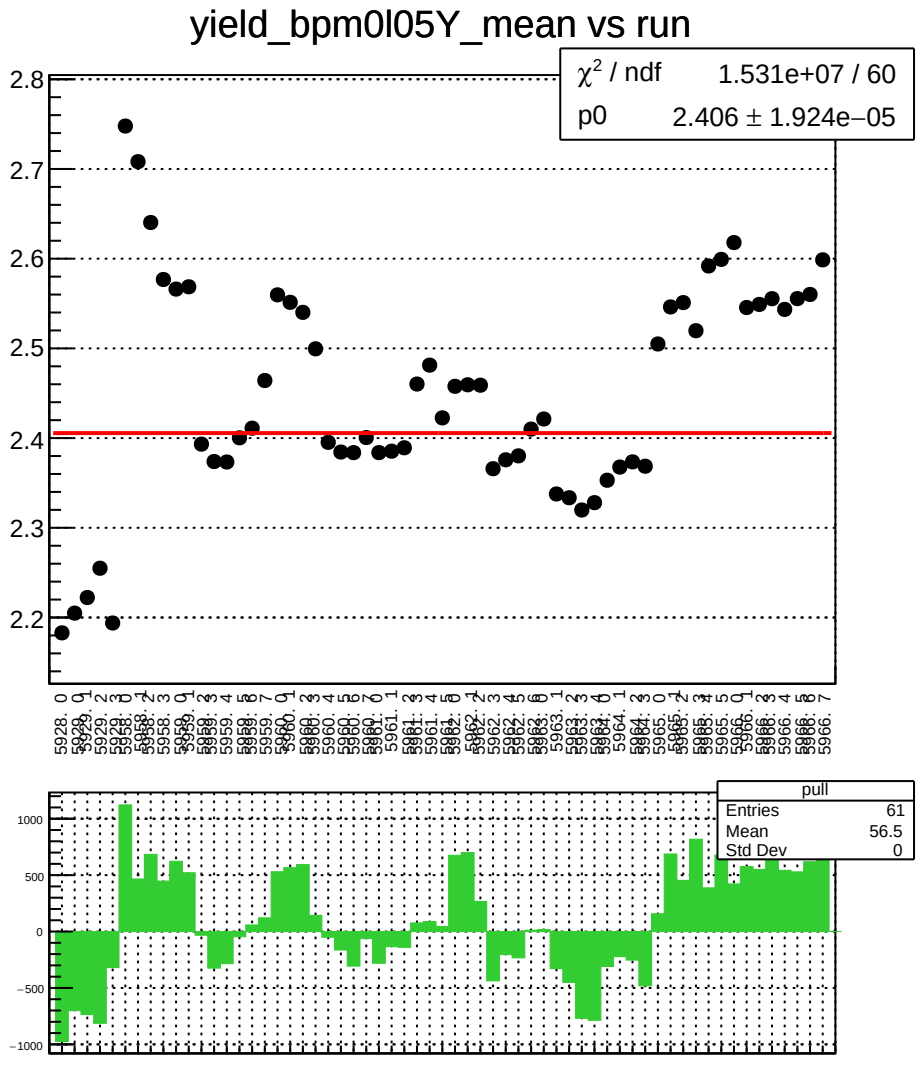

pull1D
Entries 61
Mean −5.256
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

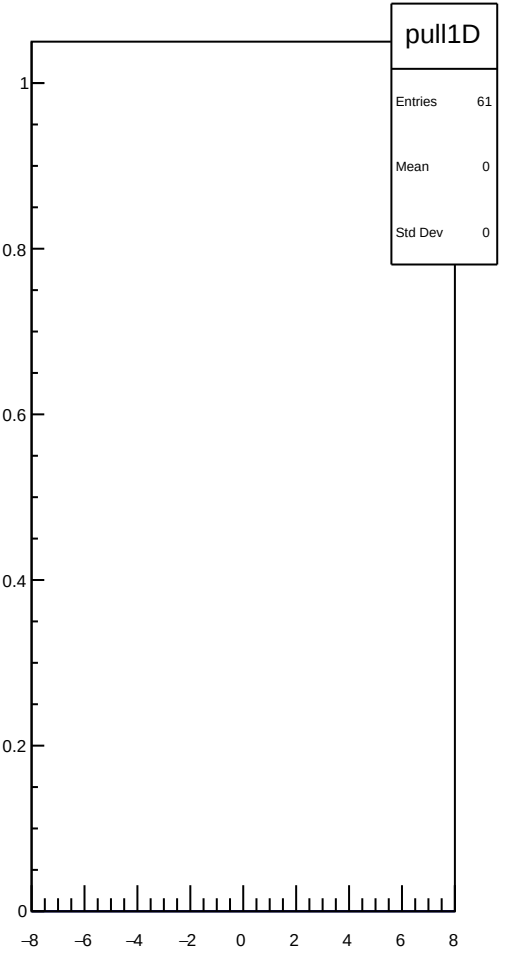

yield_bpm0l04Y_rms vs run
χ² / ndf 1.347e+05 / 60
p0 0.004118 ± 4.003e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

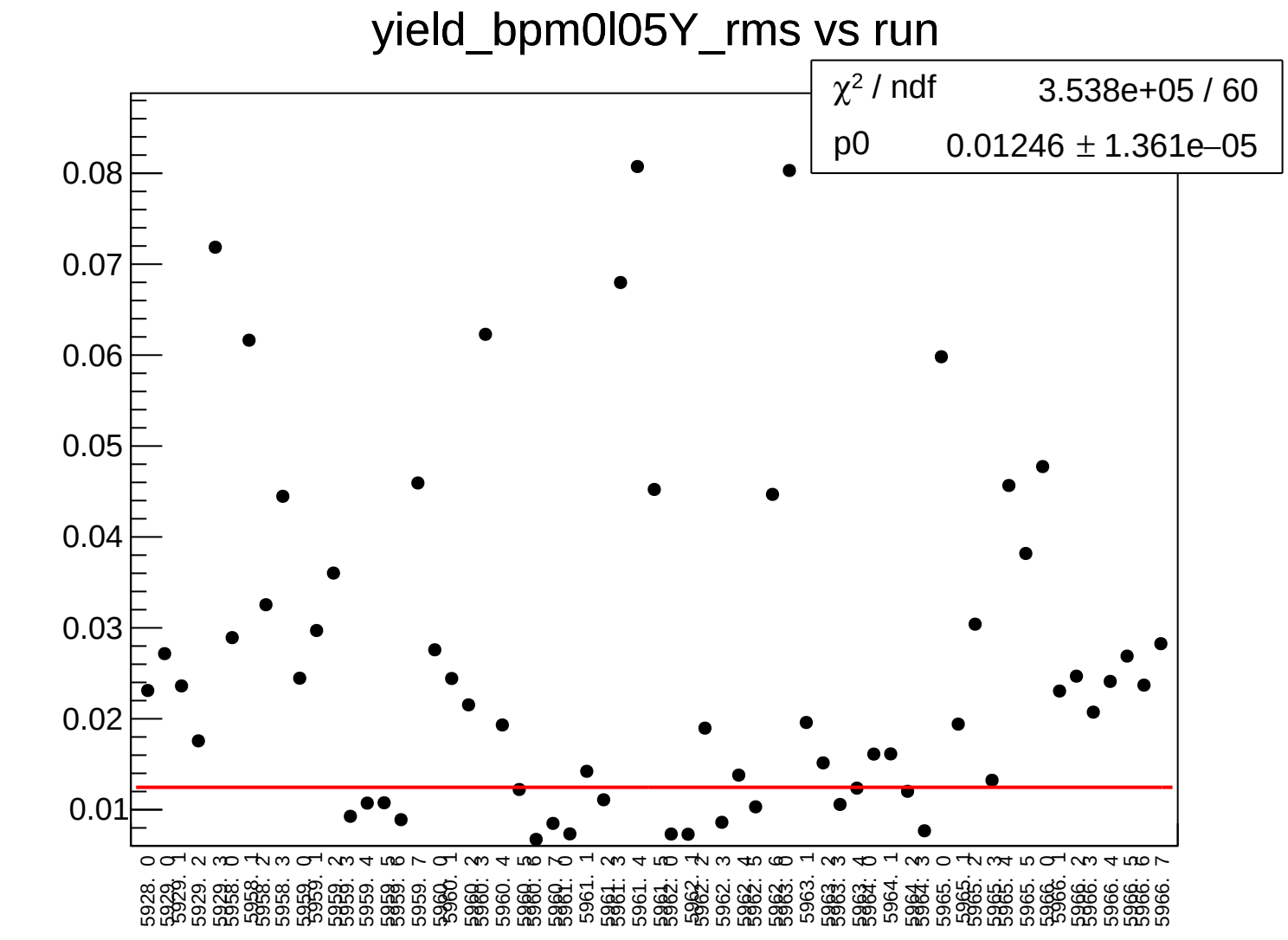

yield_bpm0l05X_mean vs run
χ² / ndf 2.325e+07 / 60
p0 0.3467 ± 1.244e−05
0.5
0.45
0.4
0.35
0.3
pull
Entries 61
Mean 58.7
Std Dev 16.47
1500
1000
500
0
−500

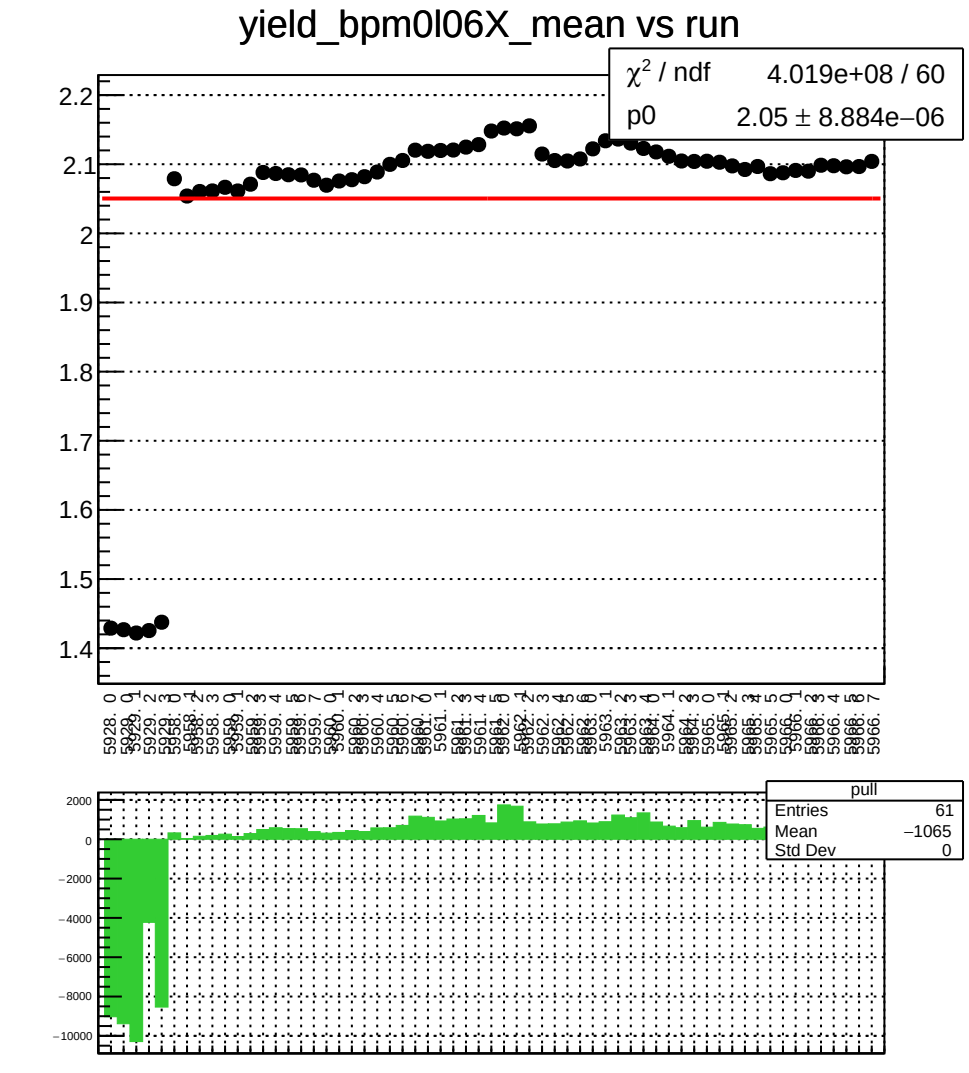

pull1D
Entries 61
Mean 7.951
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

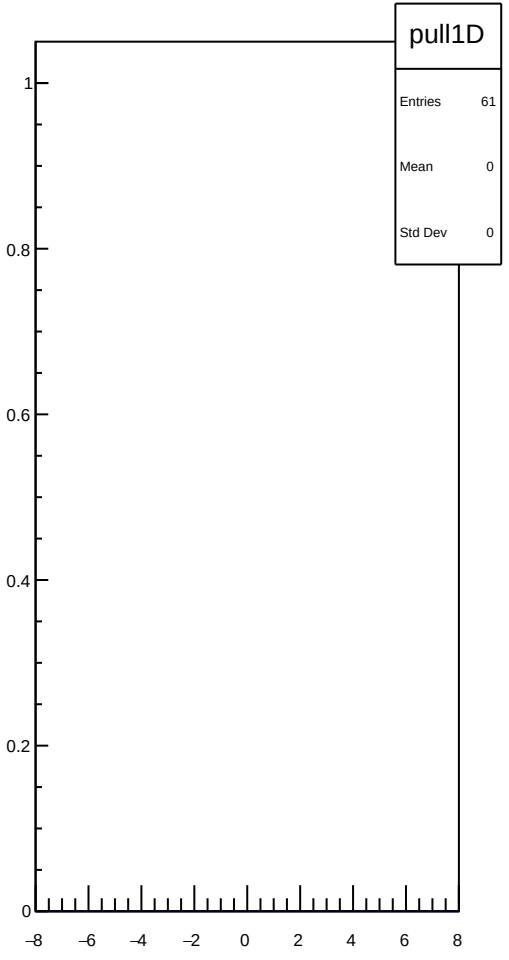

yield_bpm0l05X_rms vs run
χ² / ndf 2.531e+05 / 60
p0 0.008528 ± 8.798e−06
0.05
0.04
0.03
0.02
0.01

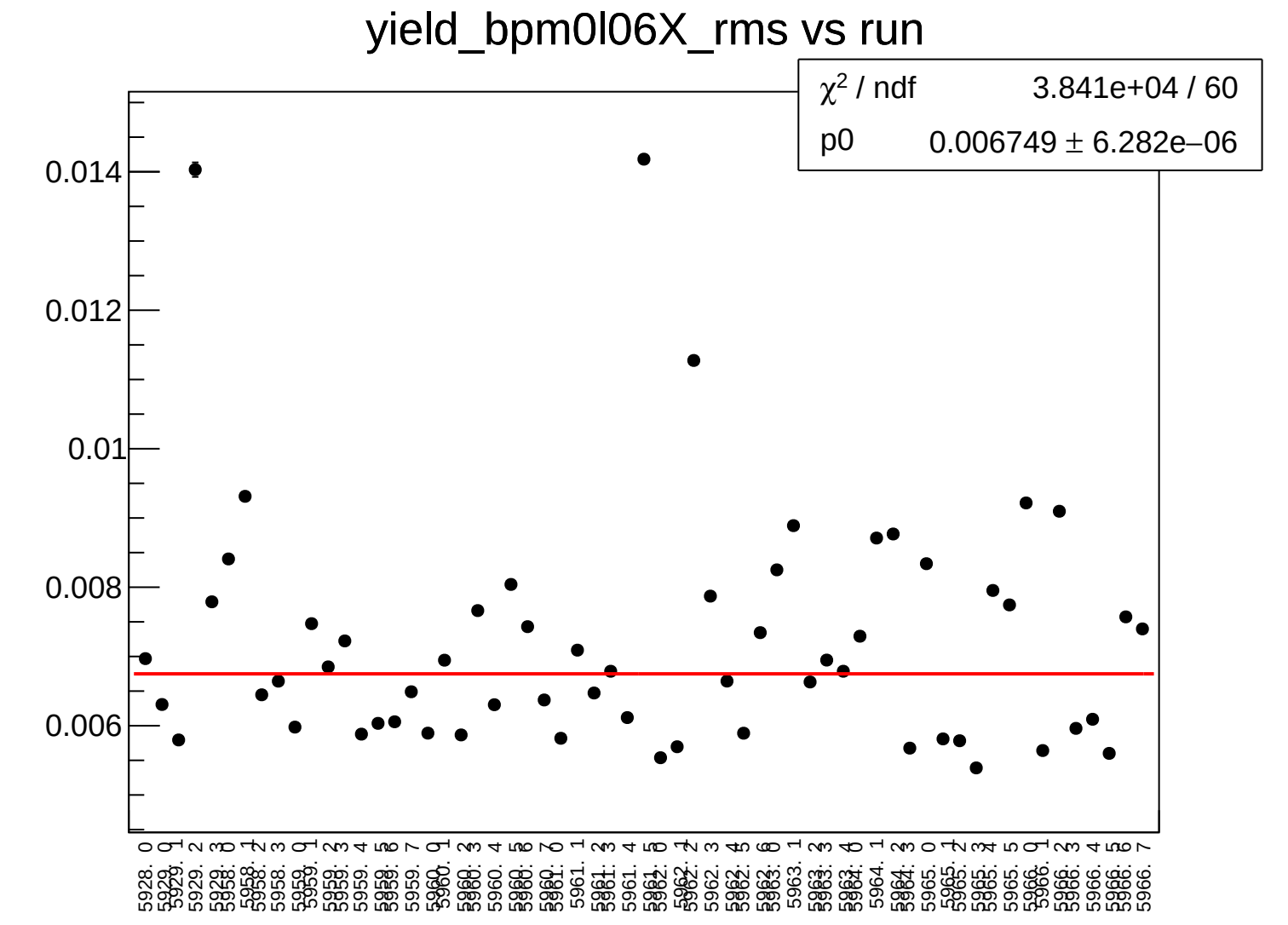

yield_bpm0l05Y_mean vs run
χ² / ndf 1.531e+07 / 60
p0 2.406 ± 1.924e−05
pull
Entries 61
Mean 56.5
Std Dev 0

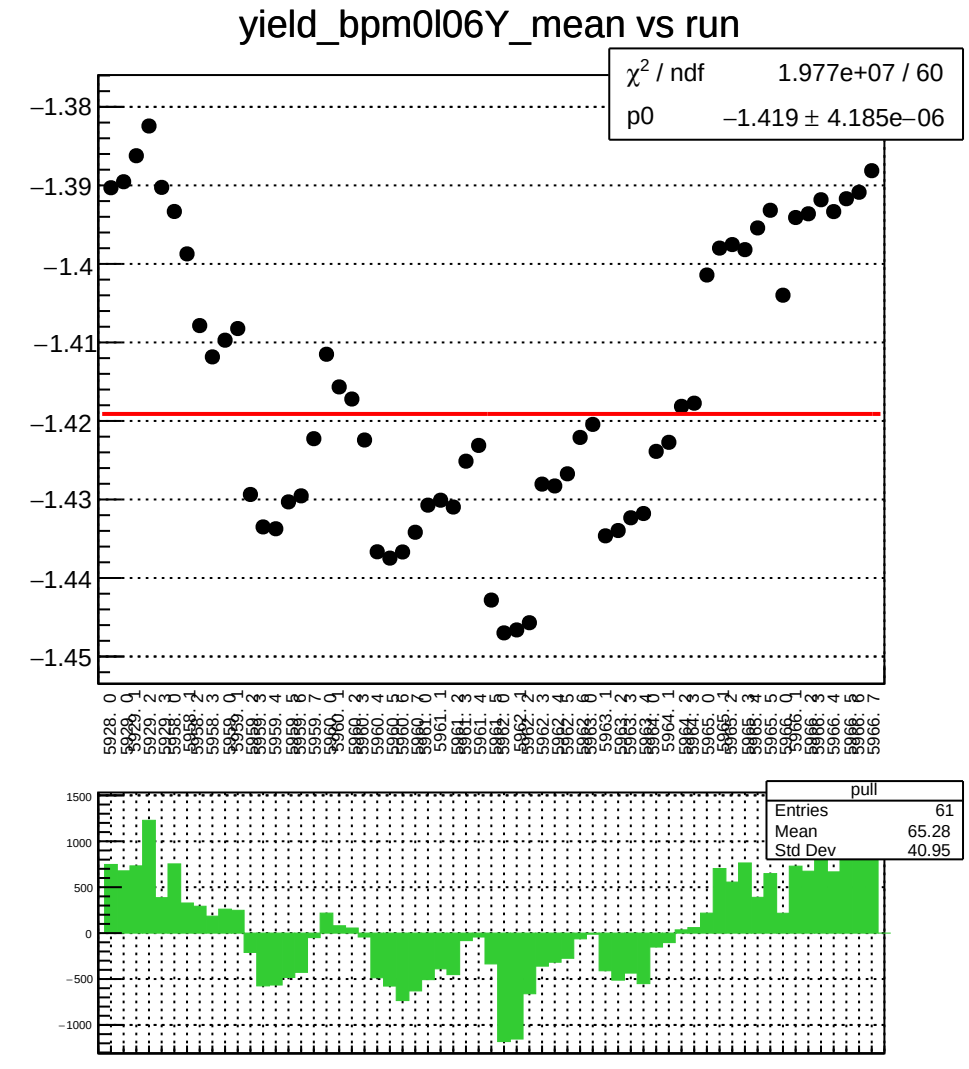

pull1D
Entries 61
Mean 0
Std Dev 0

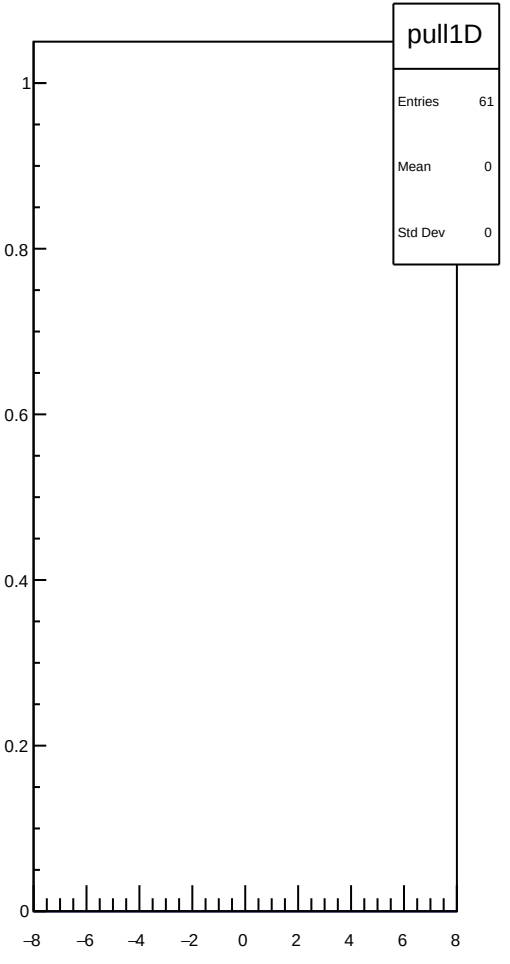

yield_bpm0l05Y_rms vs run
χ² / ndf 3.538e+05 / 60
p0 0.01246 ± 1.361e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

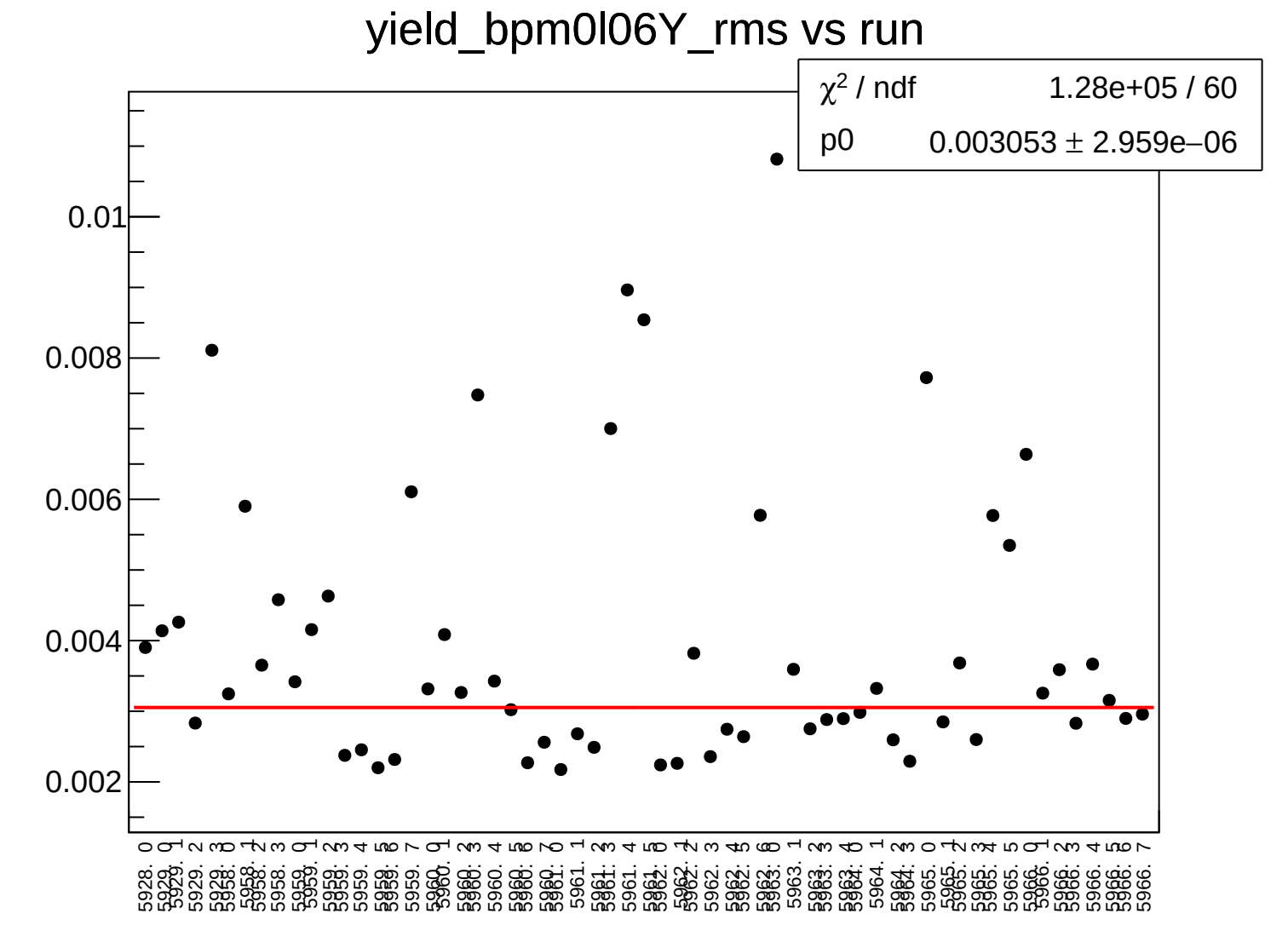

yield_bpm0l06X_mean vs run
χ² / ndf 4.019e+08 / 60
p0 2.05 ± 8.884e−06
pull
Entries 61
Mean −1065
Std Dev 0

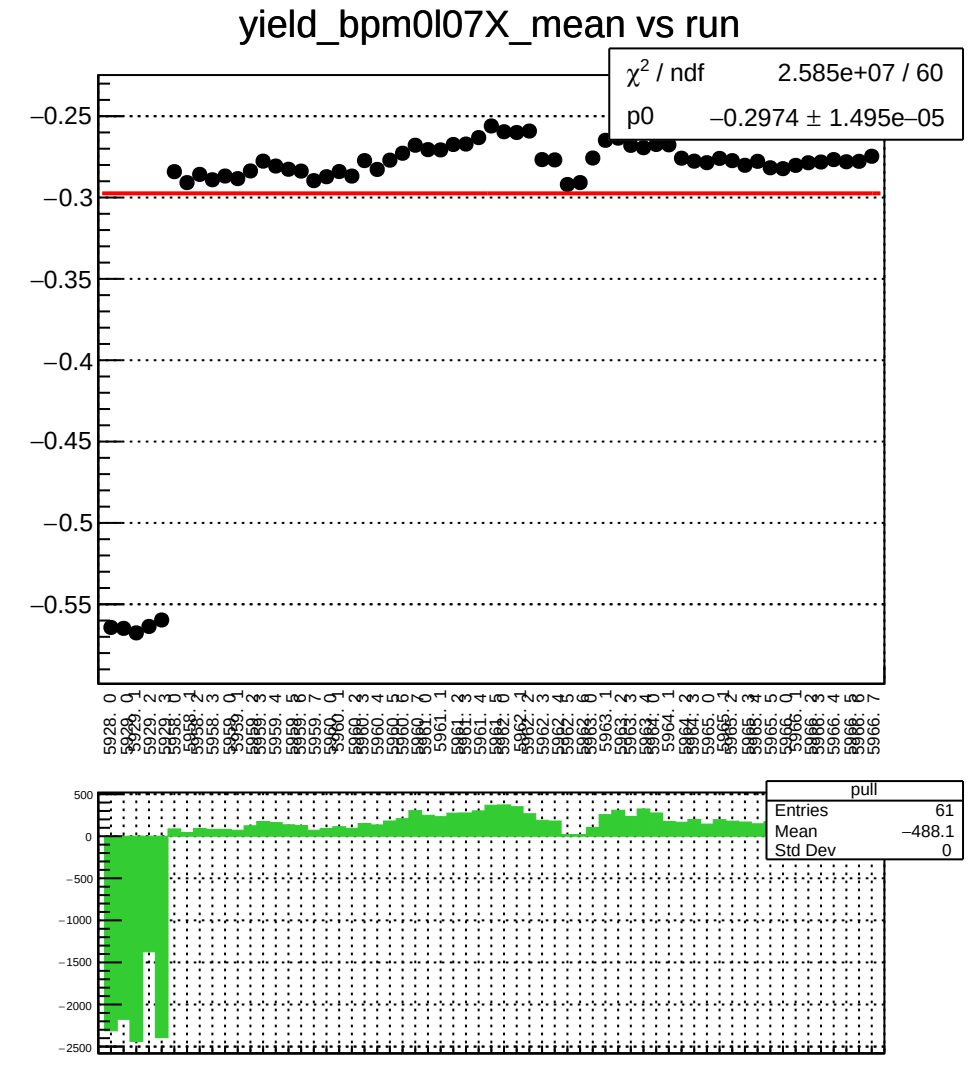

pull1D
Entries 61
Mean 0
Std Dev 0

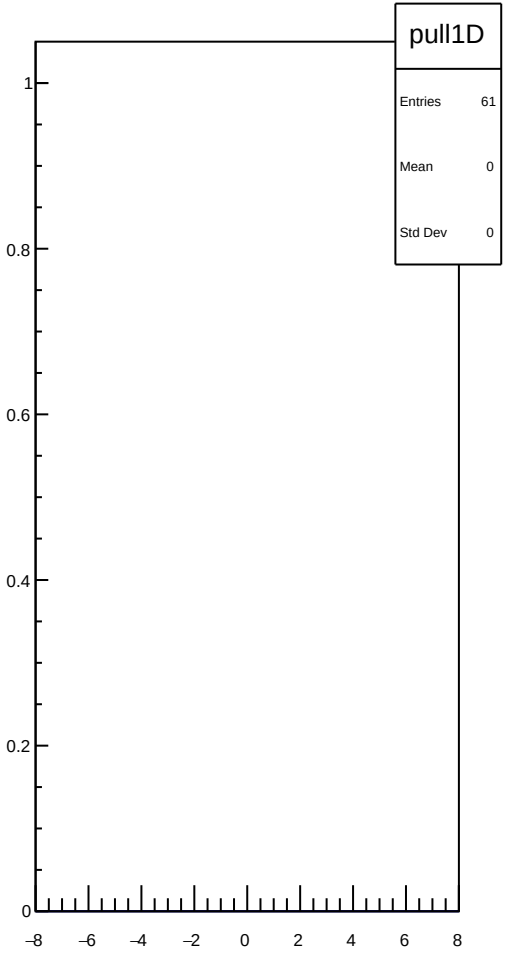

yield_bpm0l06X_rms vs run
χ² / ndf 3.841e+04 / 60
p0 0.006749 ± 6.282e−06
0.014
0.012
0.01
0.008
0.006

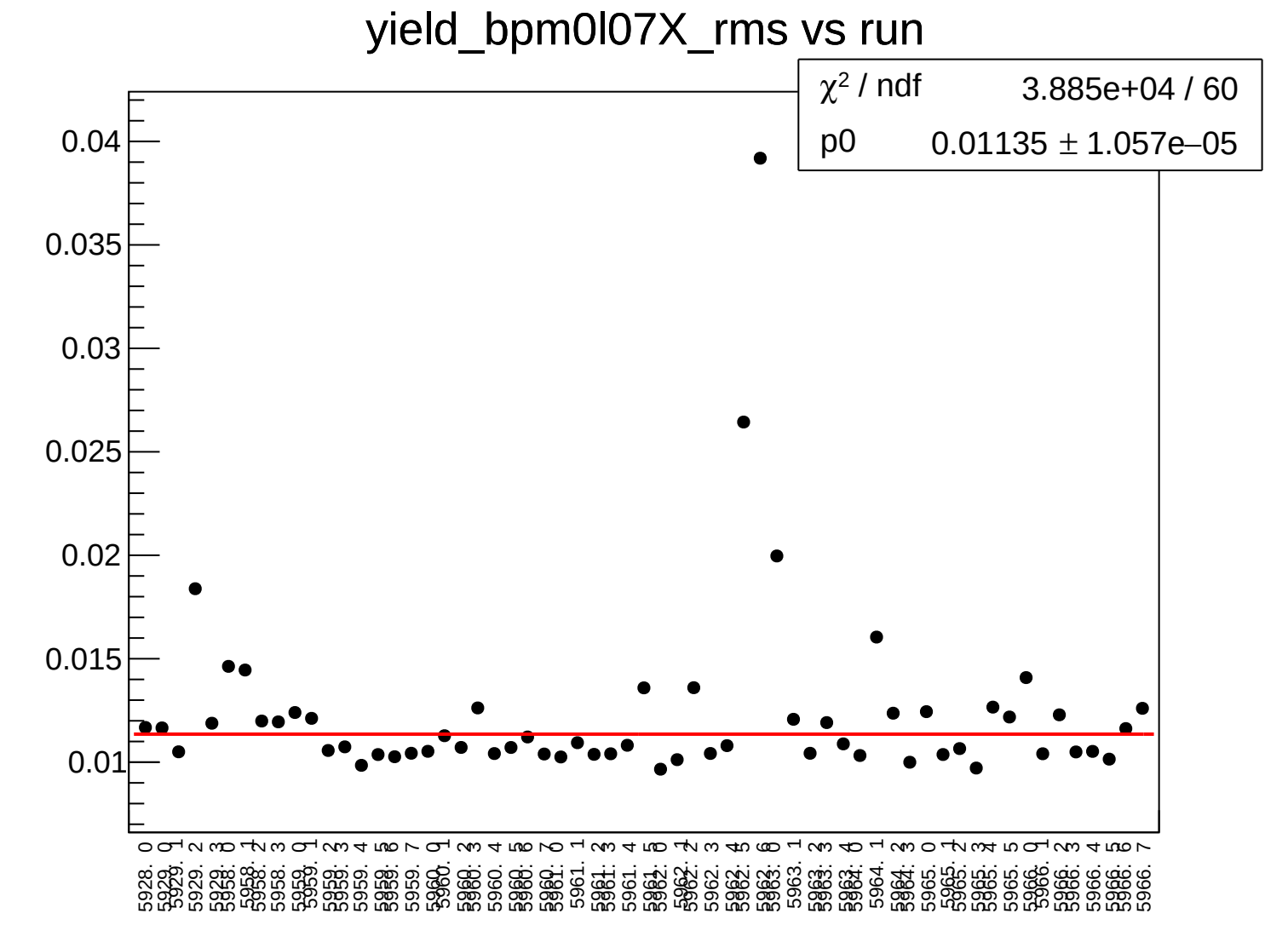

yield_bpm0l06Y_mean vs run
χ² / ndf 1.977e+07 / 60
p0 −1.419 ± 4.185e−06
−1.38
−1.39
−1.4
−1.41
−1.42
−1.43
−1.44
−1.45
pull
Entries 61
Mean 65.28
Std Dev 40.95
1500
1000
500
0
−500
−1000

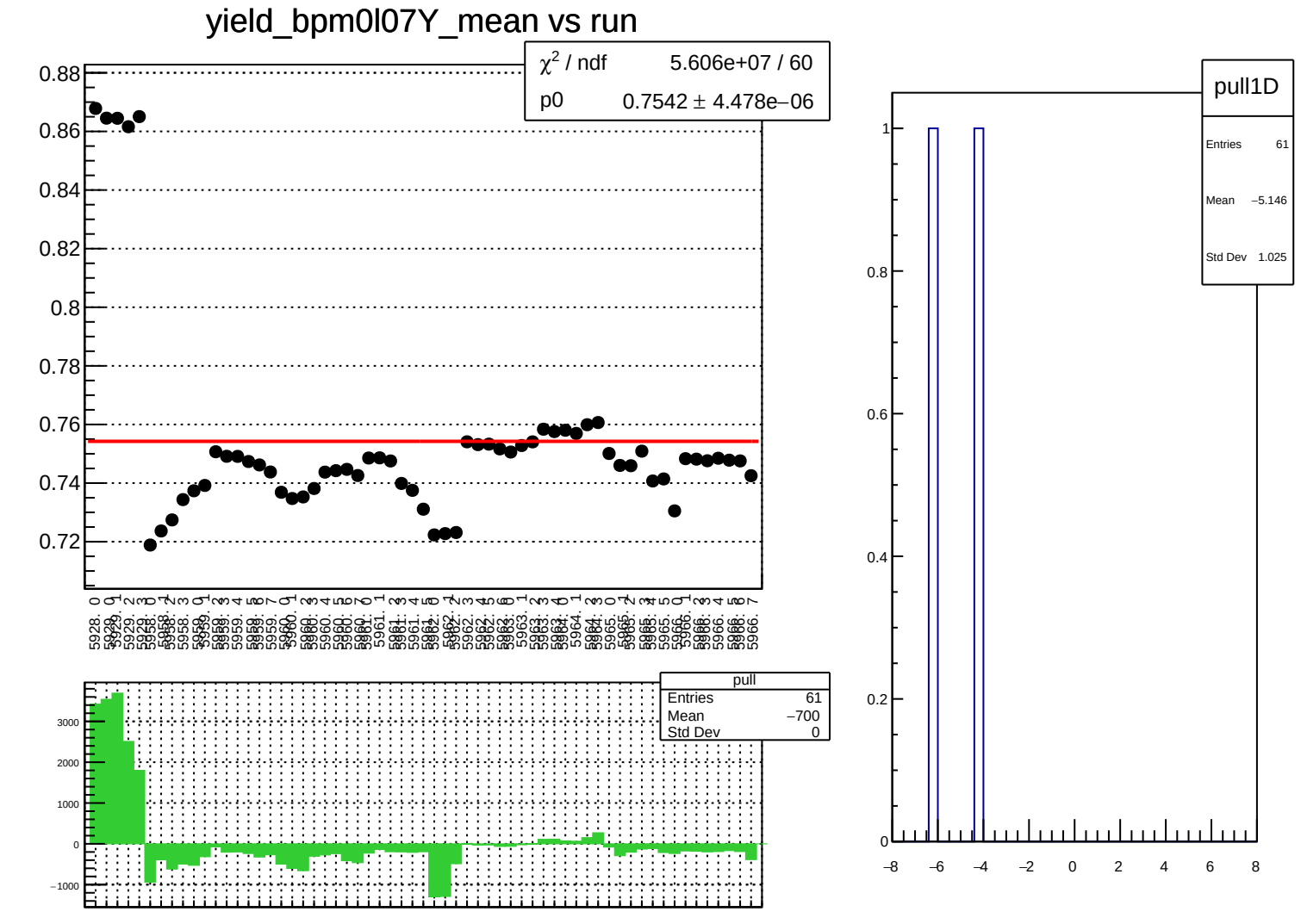

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

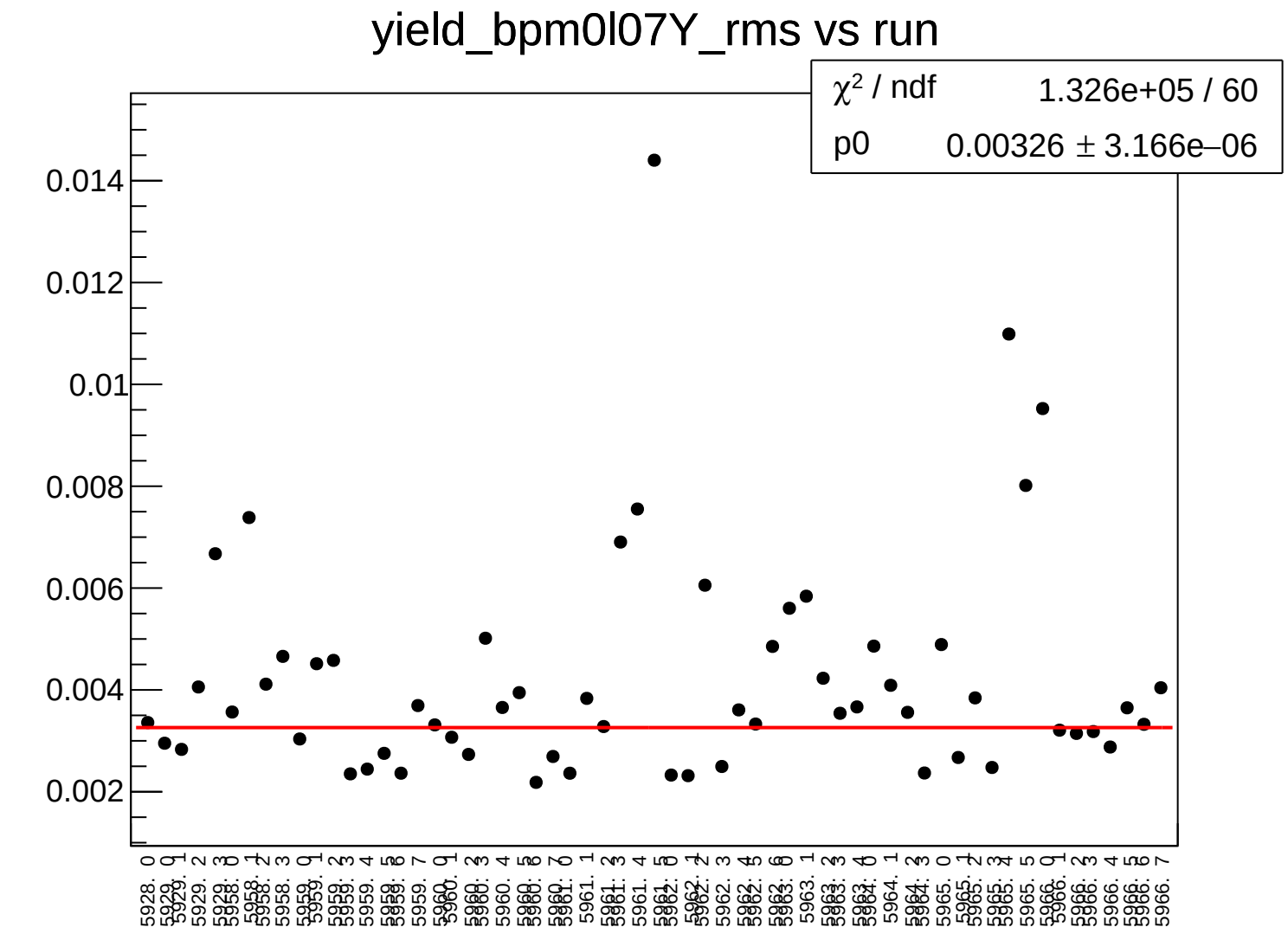

yield_bpm0l06Y_rms vs run
χ² / ndf 1.28e+05 / 60
p0 0.003053 ± 2.959e−06
0.01
0.008
0.006
0.004
0.002

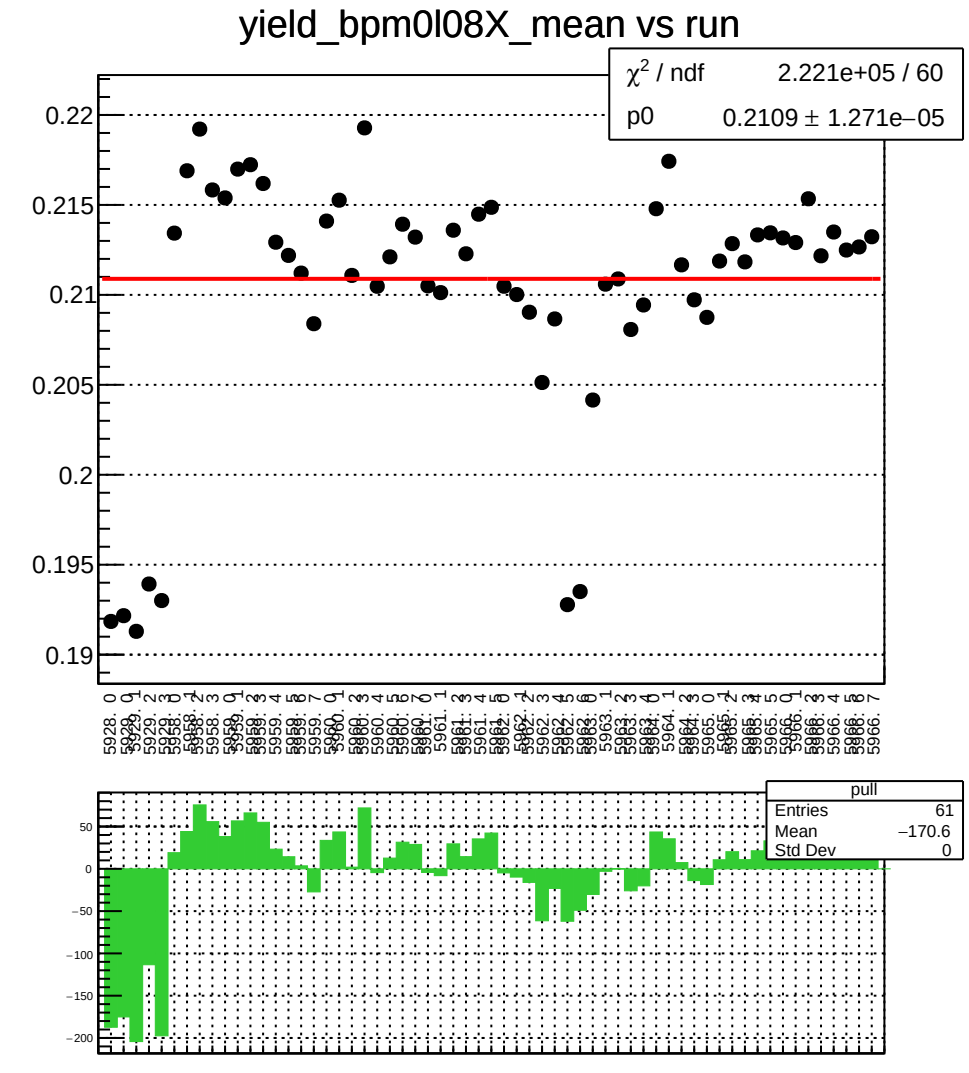

yield_bpm0l07X_mean vs run
χ² / ndf 2.585e+07 / 60
p0 −0.2974 ± 1.495e−05
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
pull
Entries 61
Mean −488.1
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

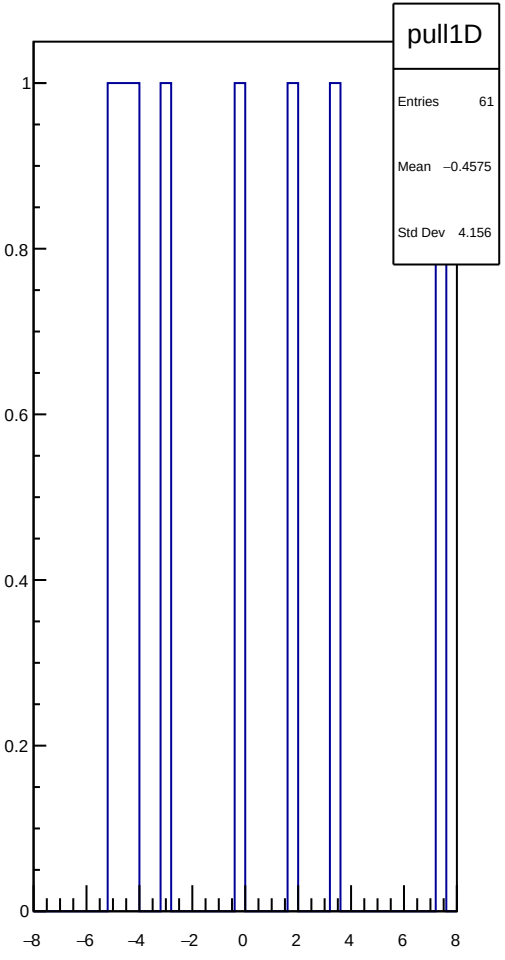

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

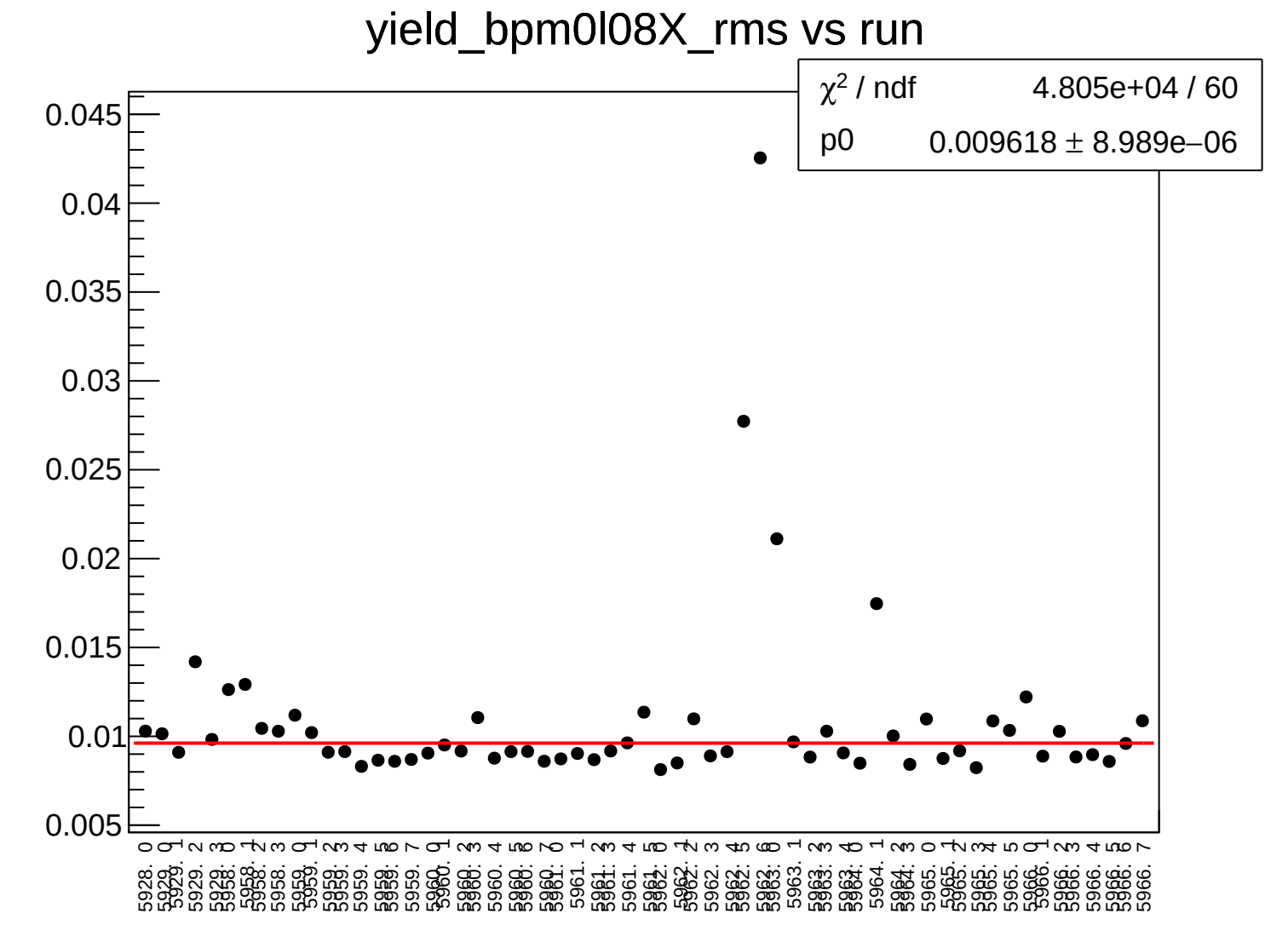

yield_bpm0l07X_rms vs run
χ² / ndf 3.885e+04 / 60
p0 0.01135 ± 1.057e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

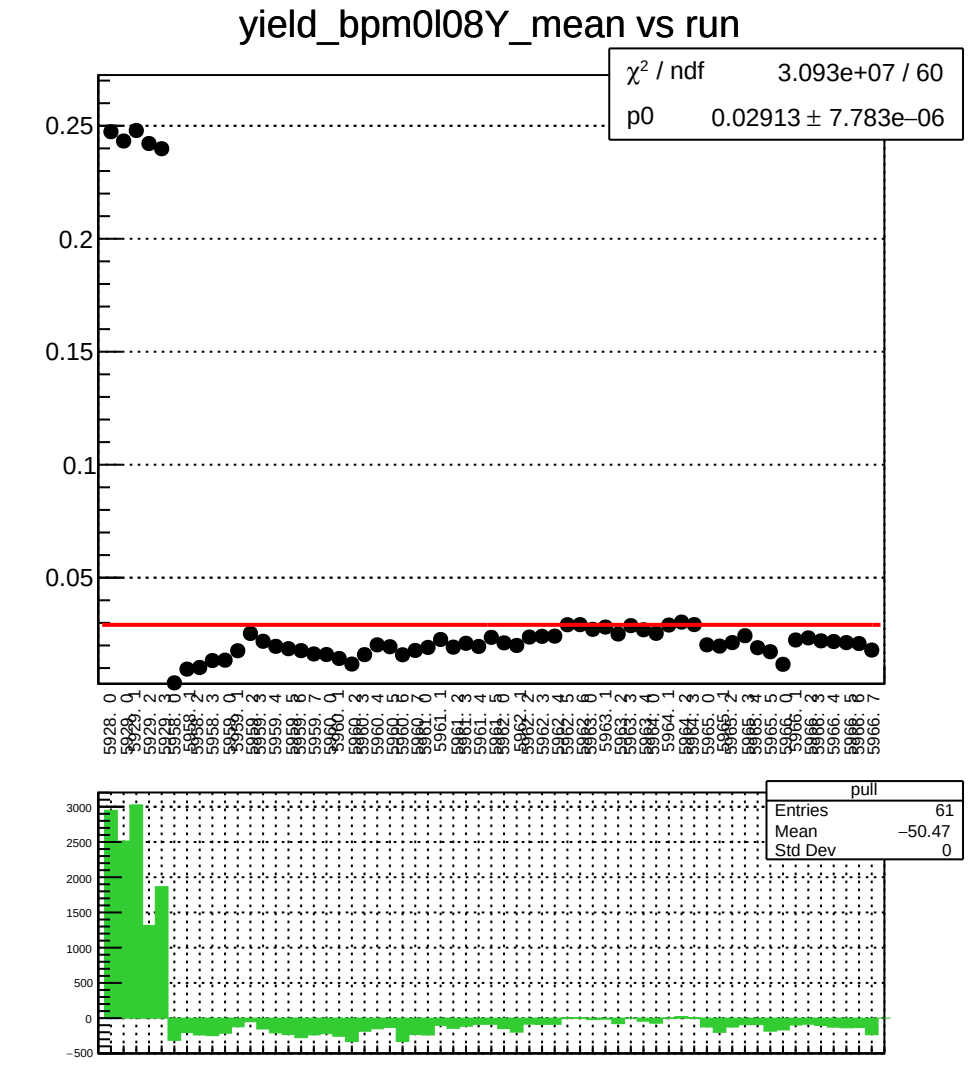

yield_bpm0l07Y_mean vs run
χ² / ndf 5.606e+07 / 60
p0 0.7542 ± 4.478e−06
pull
Entries 61
Mean −700
Std Dev 0
pull1D
Entries 61
Mean −5.146
Std Dev 1.025

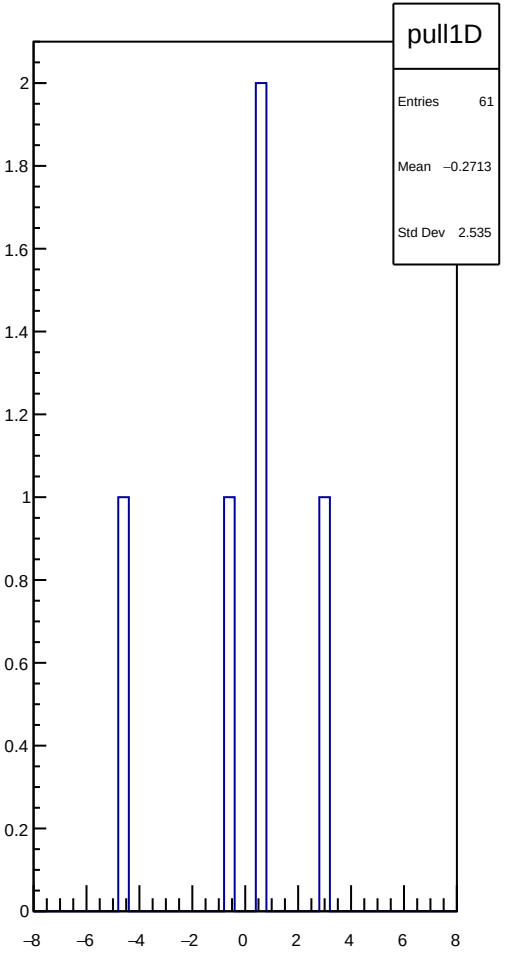

yield_bpm0l07Y_rms vs run
χ² / ndf 1.326e+05 / 60
p0 0.00326 ± 3.166e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

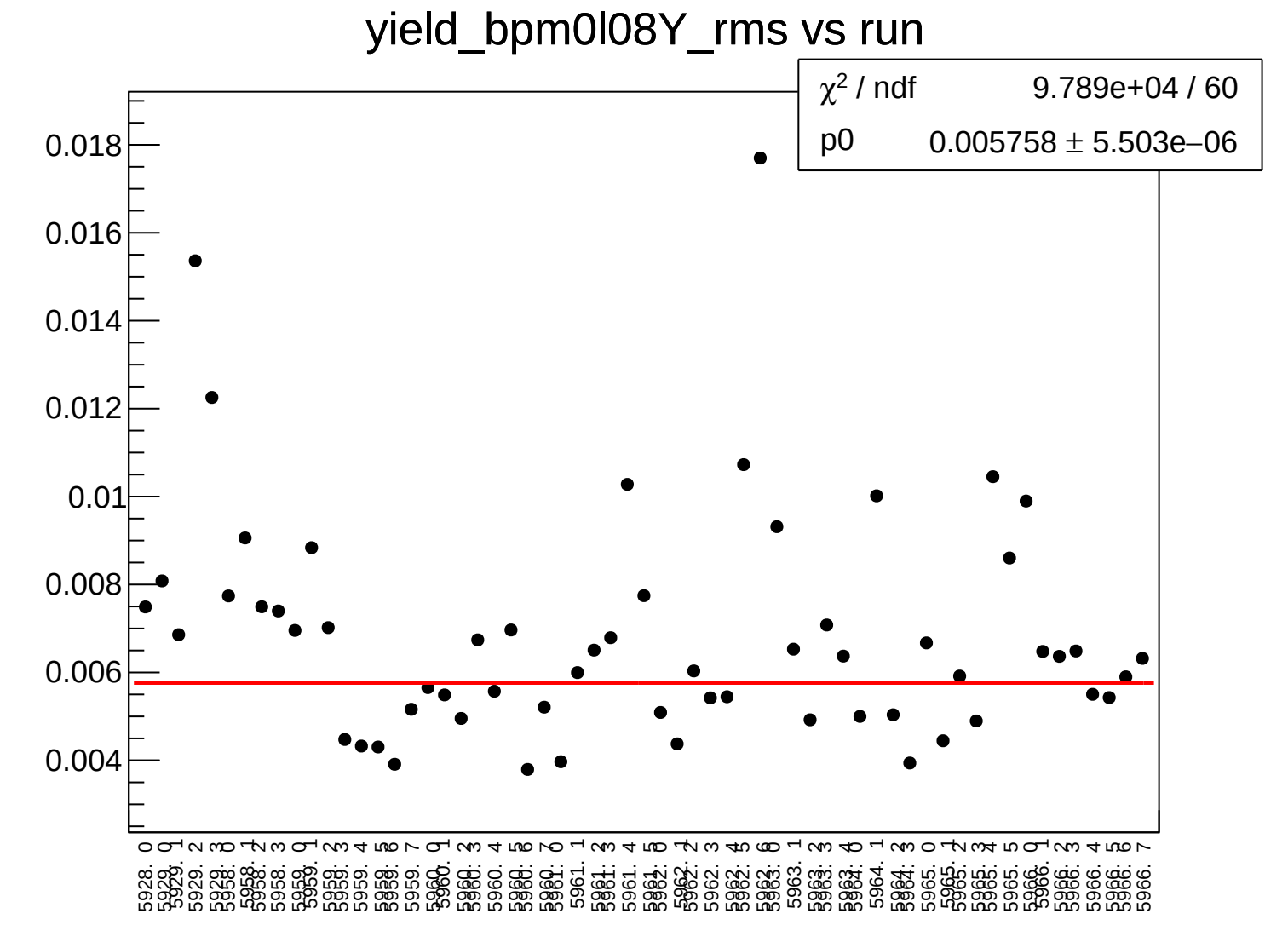

yield_bpm0l08X_mean vs run
χ² / ndf 2.221e+05 / 60
p0 0.2109 ± 1.271e−05
0.22
0.215
0.21
0.205
0.2
0.195
0.19
pull
Entries 61
Mean −170.6
Std Dev 0
50
0
−50
−100
−150
−200

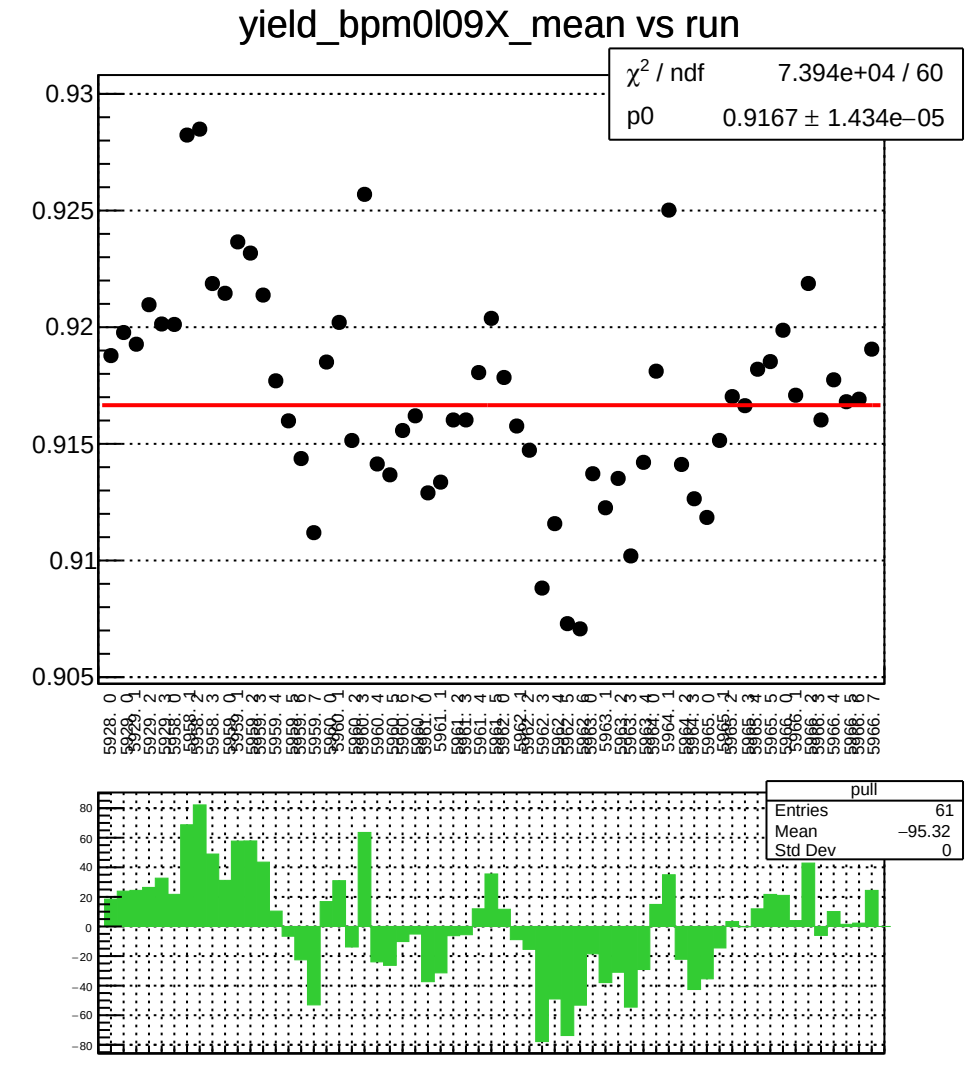

pull1D
Entries 61
Mean −0.4575
Std Dev 4.156
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

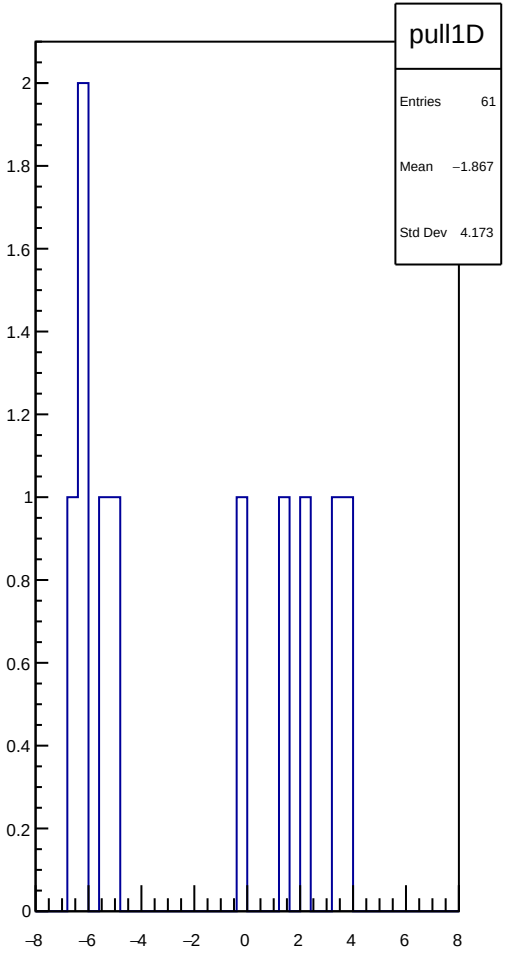

yield_bpm0l08X_rms vs run
χ² / ndf 4.805e+04 / 60
p0 0.009618 ± 8.989e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

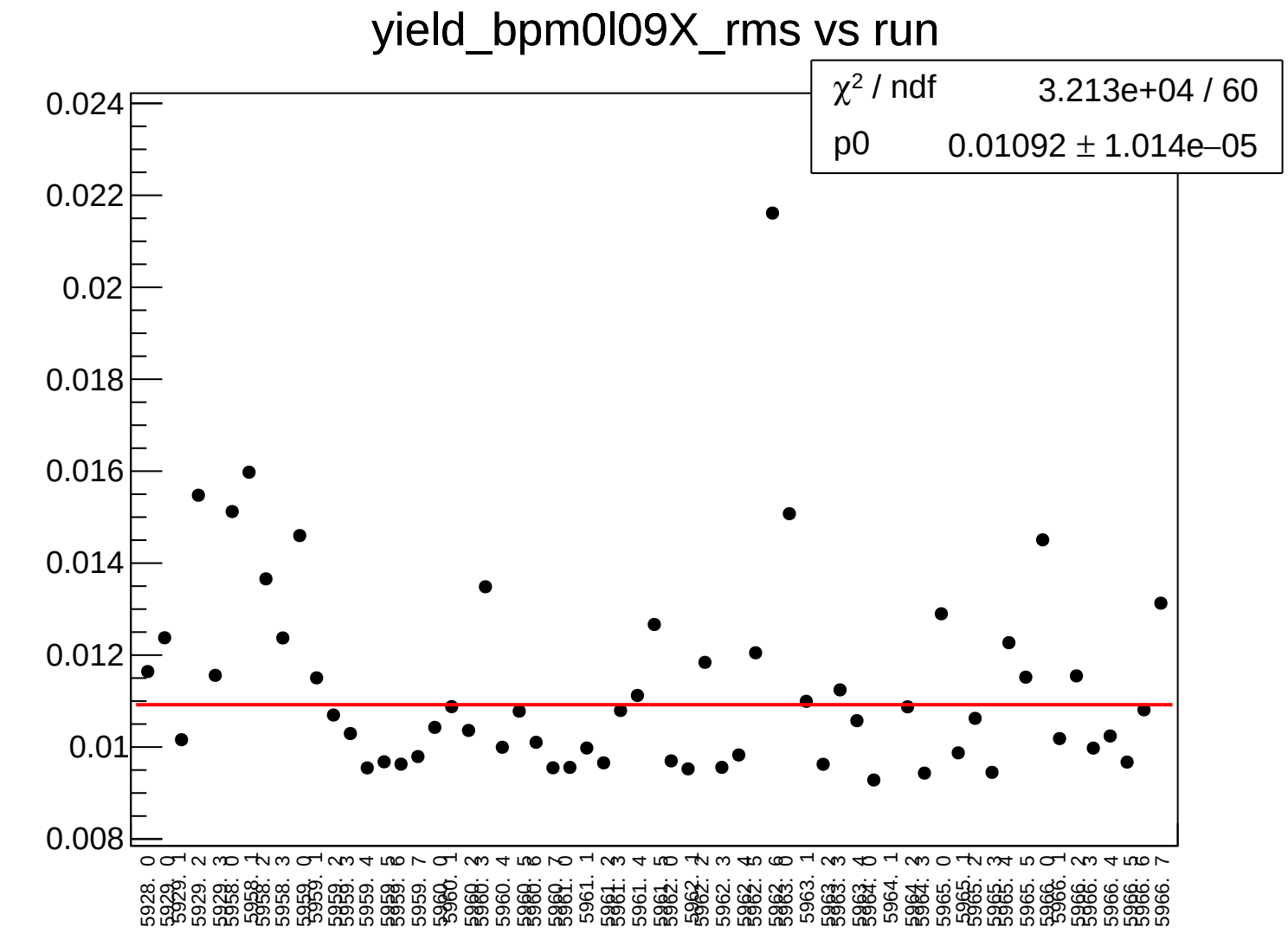

yield_bpm0l08Y_mean vs run
χ² / ndf 3.093e+07 / 60
p0 0.02913 ± 7.783e–06
0.25
0.2
0.15
0.1
0.05
pull
Entries 61
Mean –50.47
Std Dev 0
3000
2500
2000
1500
1000
500
0
–500

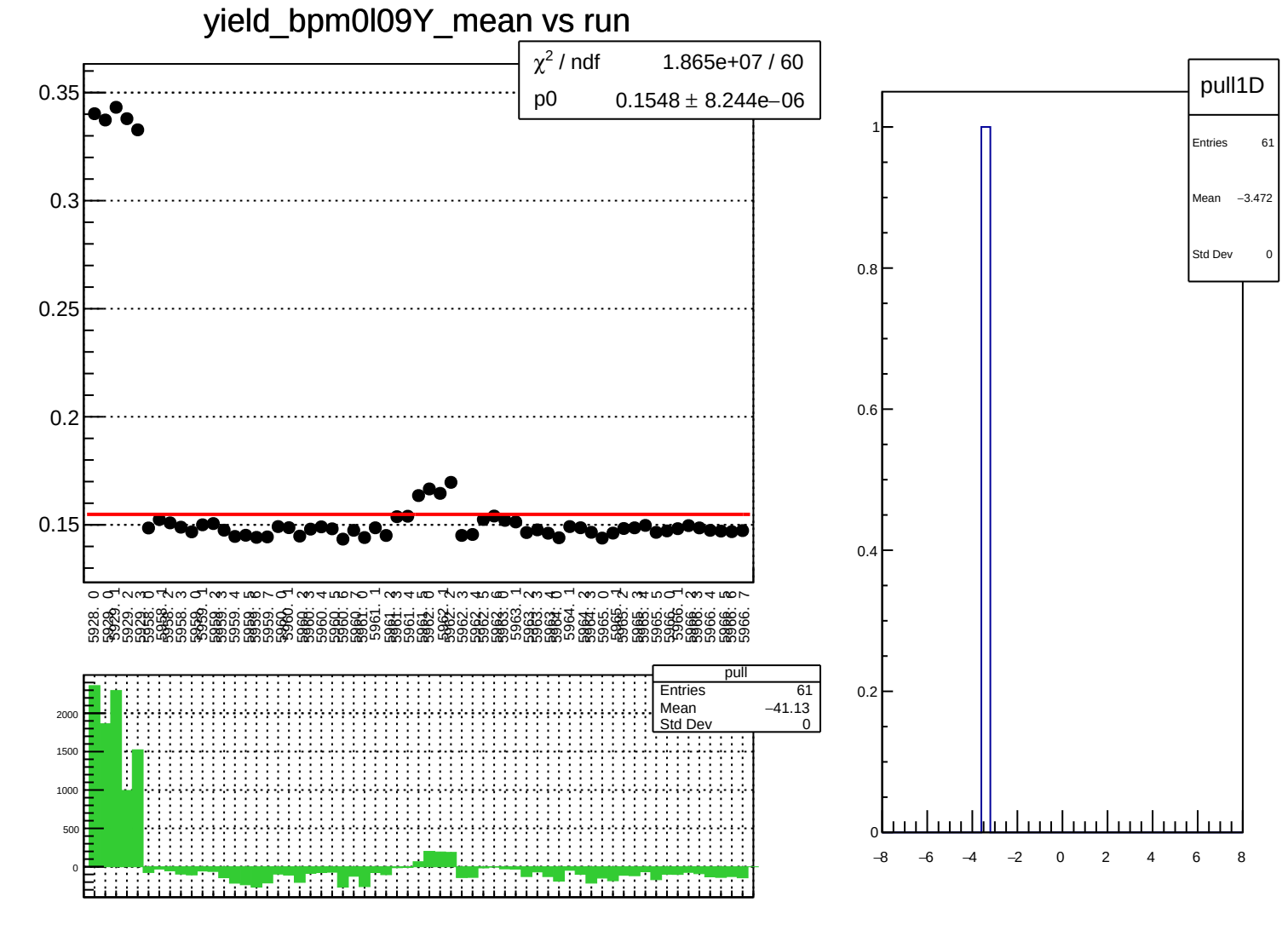

pull1D
Entries 61
Mean –0.2713
Std Dev 2.535
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

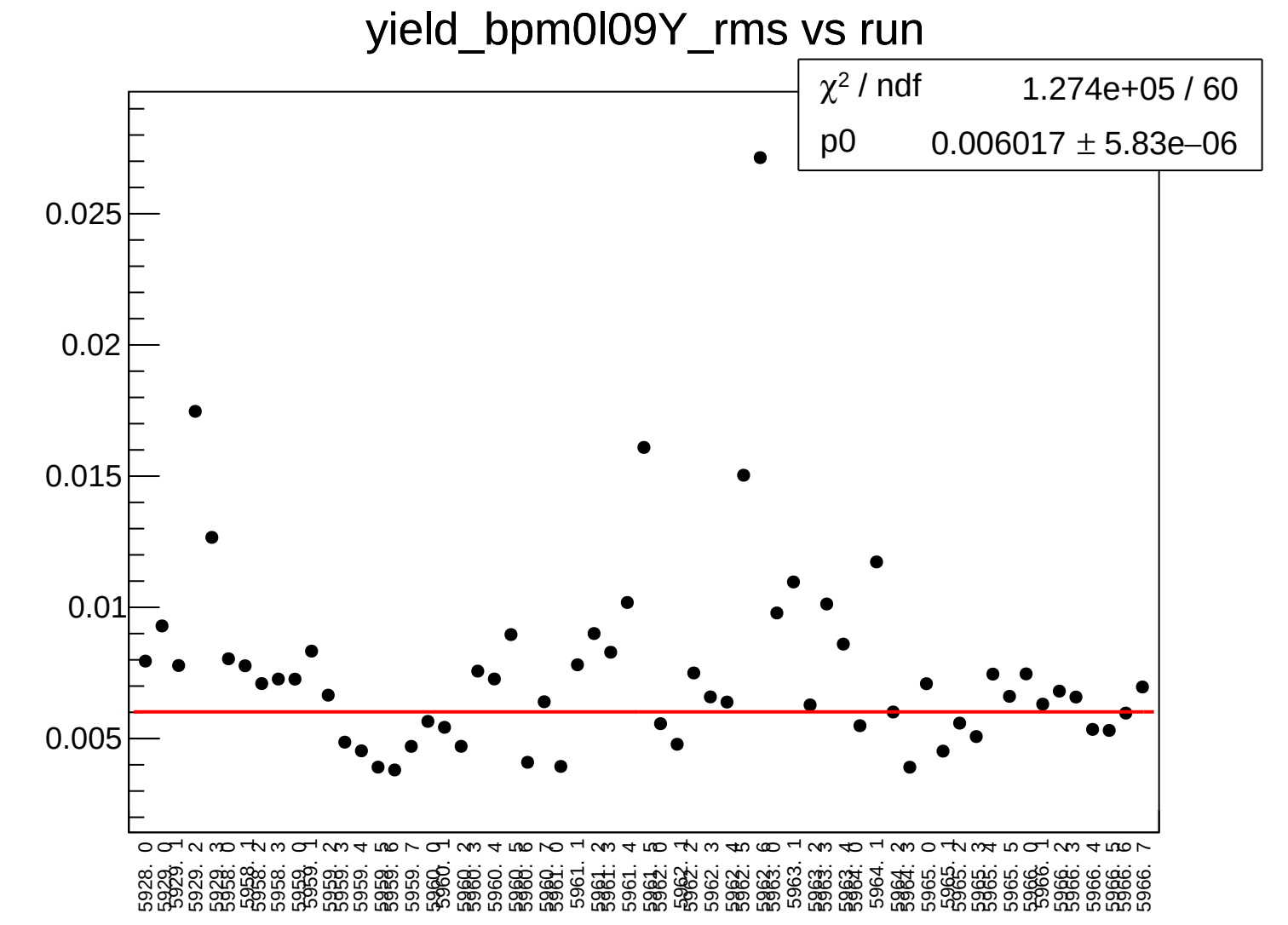

yield_bpm0l08Y_rms vs run
χ^2 / ndf 9.789e+04 / 60
p0 0.005758 ± 5.503e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

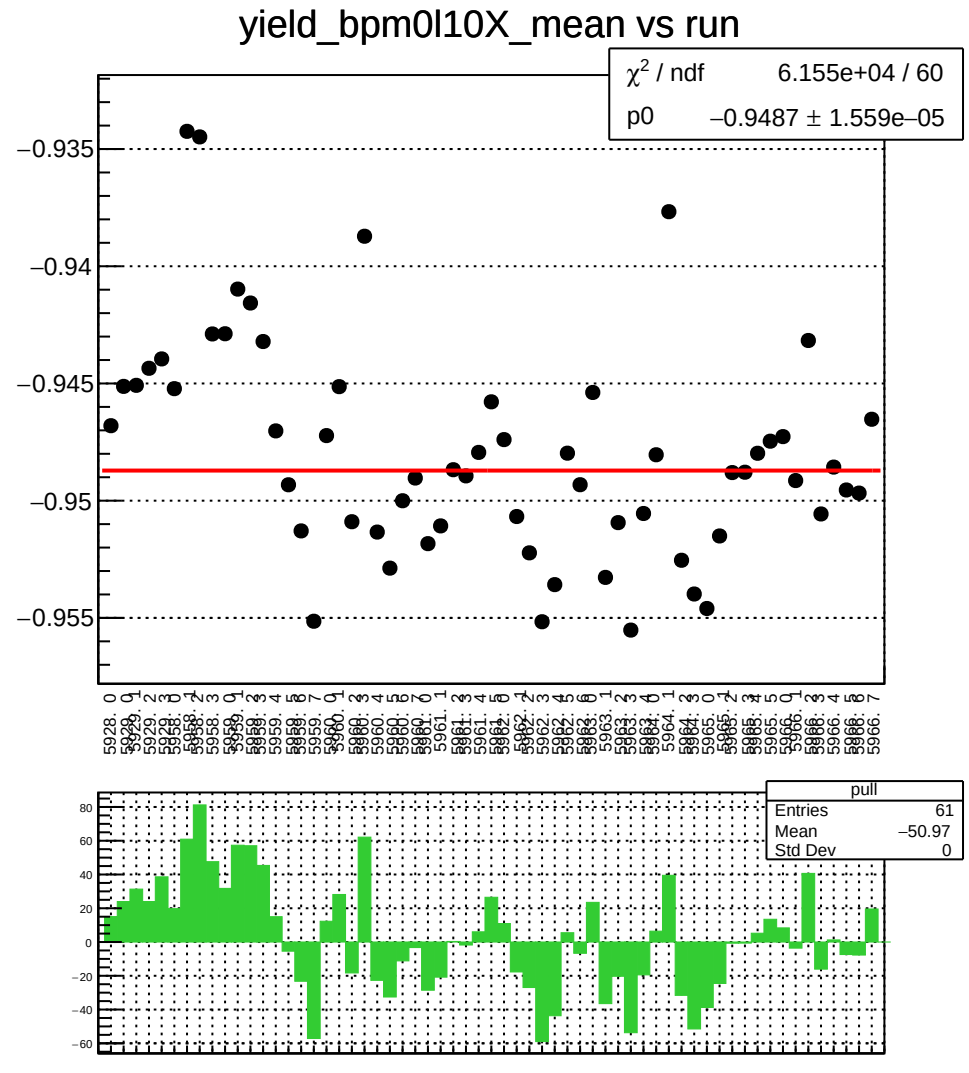

yield_bpm0l09X_mean vs run
χ² / ndf 7.394e+04 / 60
p0 0.9167 ± 1.434e−05
0.93
0.925
0.92
0.915
0.91
0.905
pull
Entries 61
Mean −95.32
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

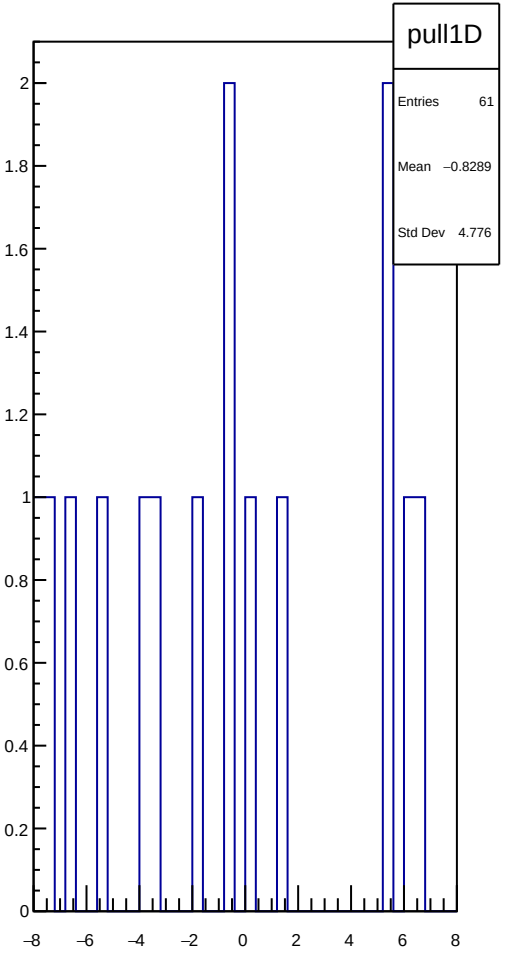

pull1D
Entries 61
Mean −1.867
Std Dev 4.173
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

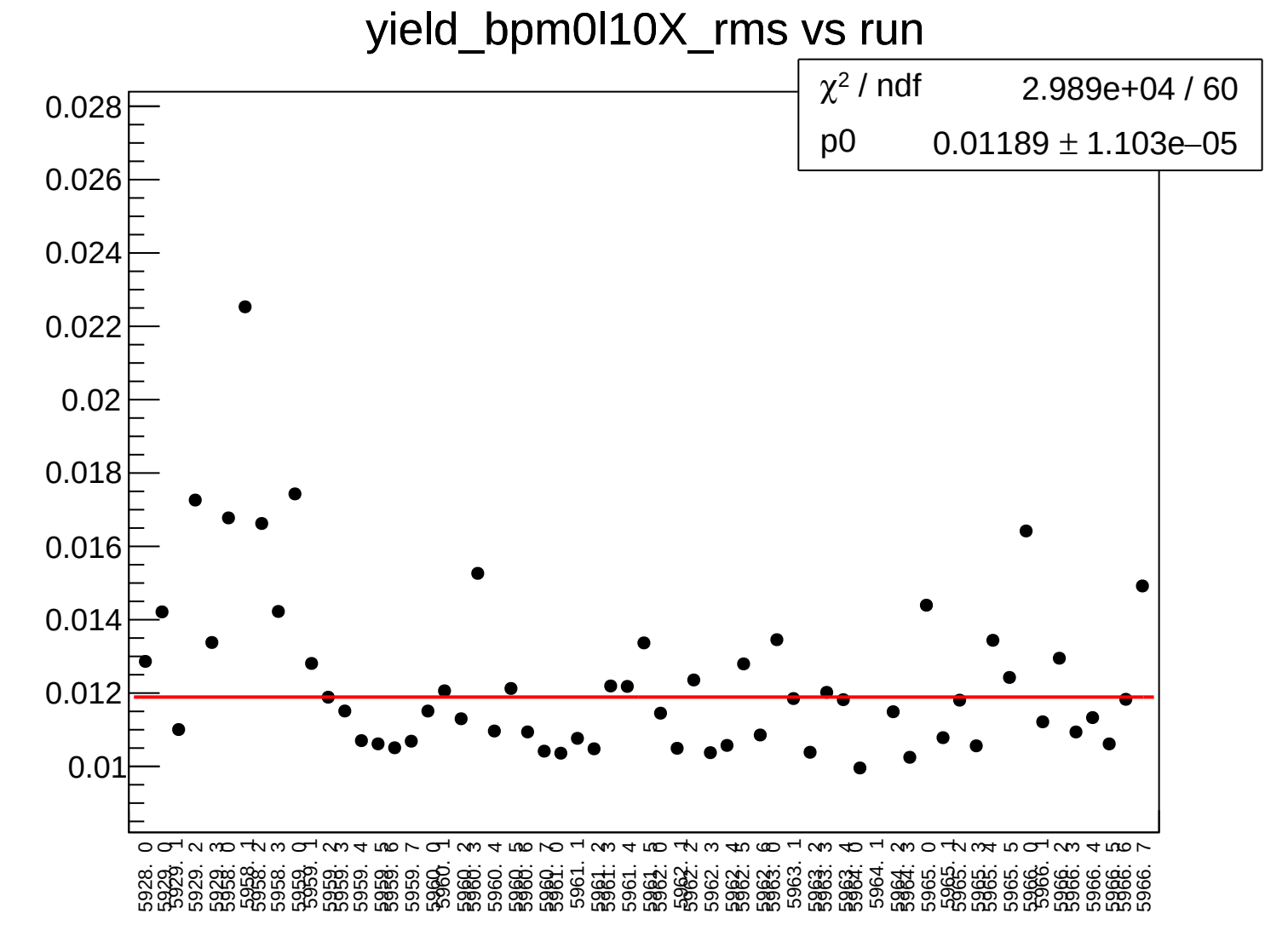

yield_bpm0l09X_rms vs run
χ² / ndf 3.213e+04 / 60
p0 0.01092 ± 1.014e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

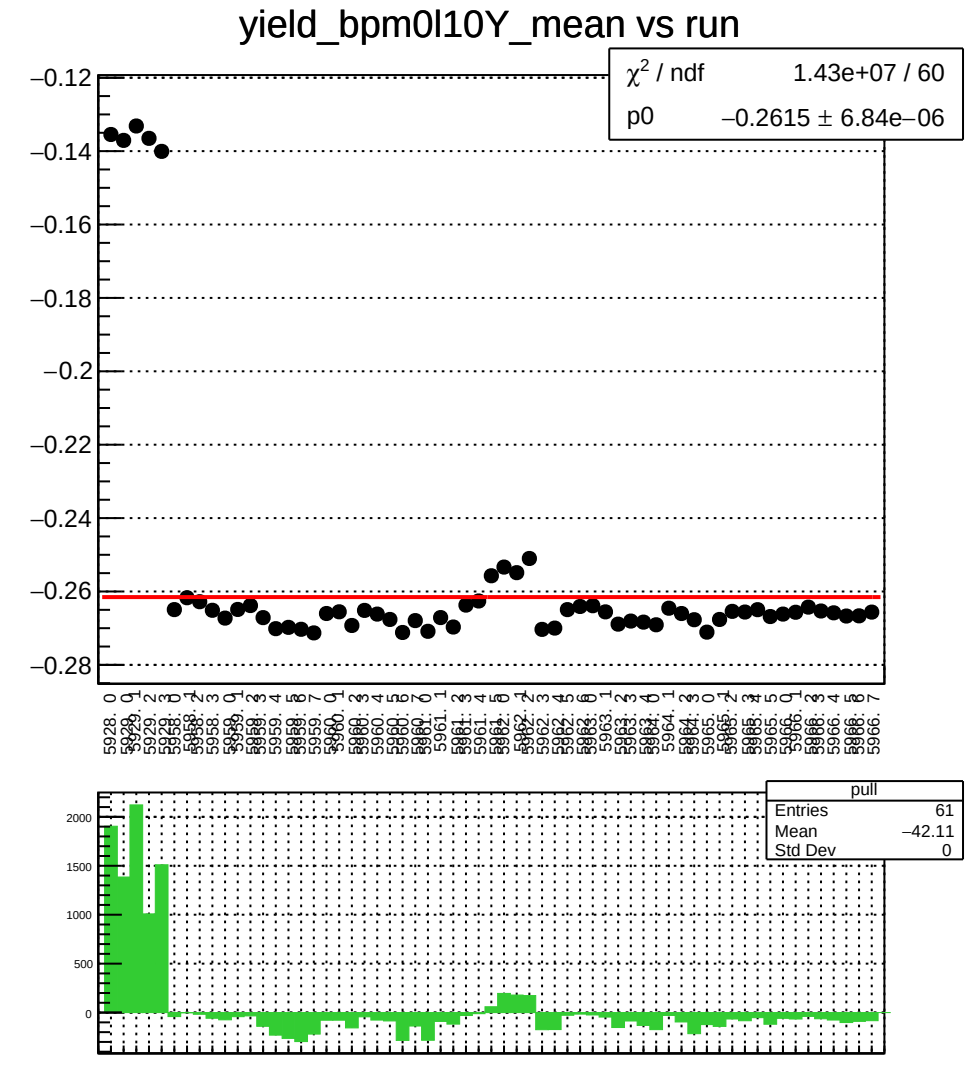

yield_bpm0l09Y_mean vs run
χ² / ndf 1.865e+07 / 60
p0 0.1548 ± 8.244e−06
0.35
0.3
0.25
0.2
0.15
pull
Entries 61
Mean −41.13
Std Dev 0
2000
1500
1000
500
0
pull1D
Entries 61
Mean −3.472
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

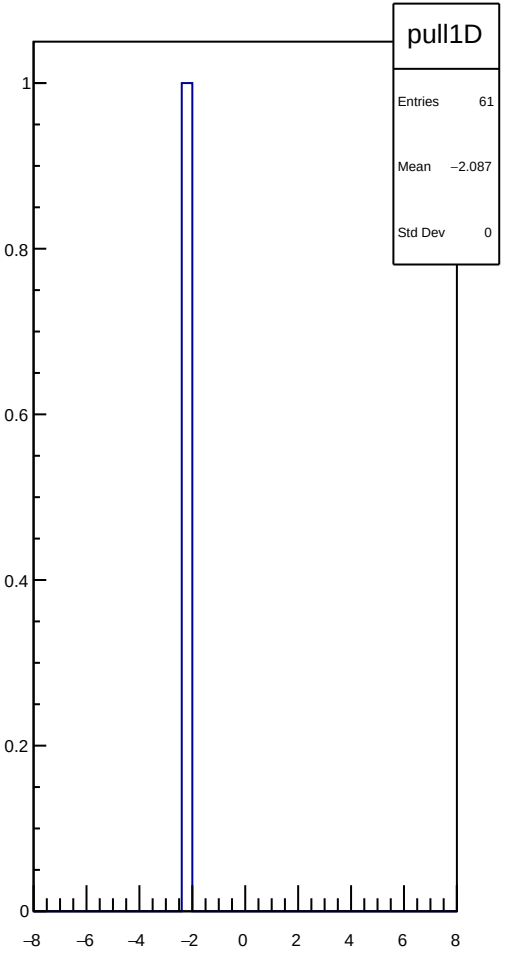

yield_bpm0l09Y_rms vs run
χ² / ndf 1.274e+05 / 60
p0 0.006017 ± 5.83e−06
0.025
0.02
0.015
0.01
0.005

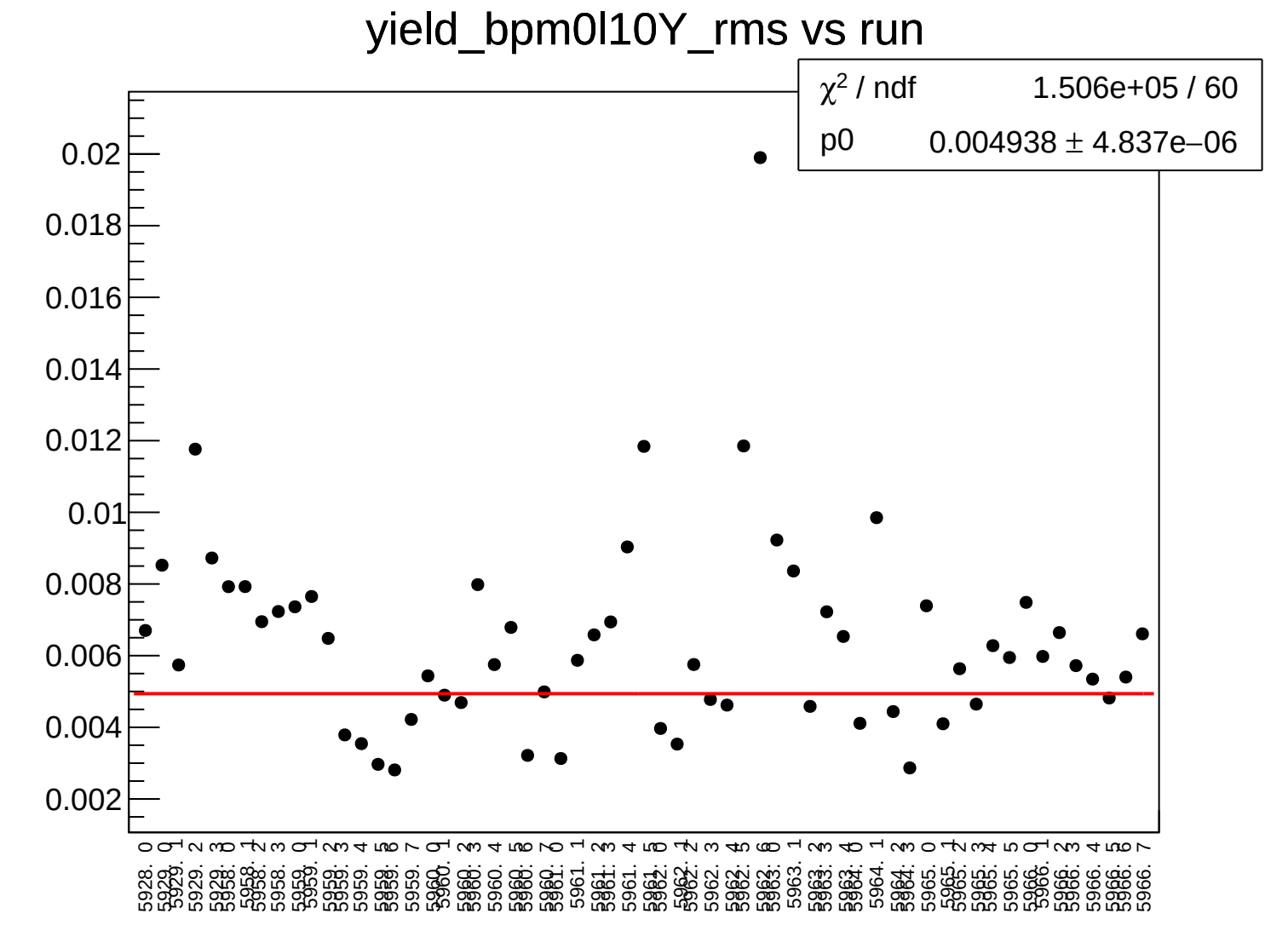

yield_bpm0l10X_mean vs run
χ² / ndf 6.155e+04 / 60
p0 −0.9487 ± 1.559e−05
−0.935
−0.94
−0.945
−0.95
−0.955
pull
Entries 61
Mean −50.97
Std Dev 0
80
60
40
20
0
−20
−40
−60

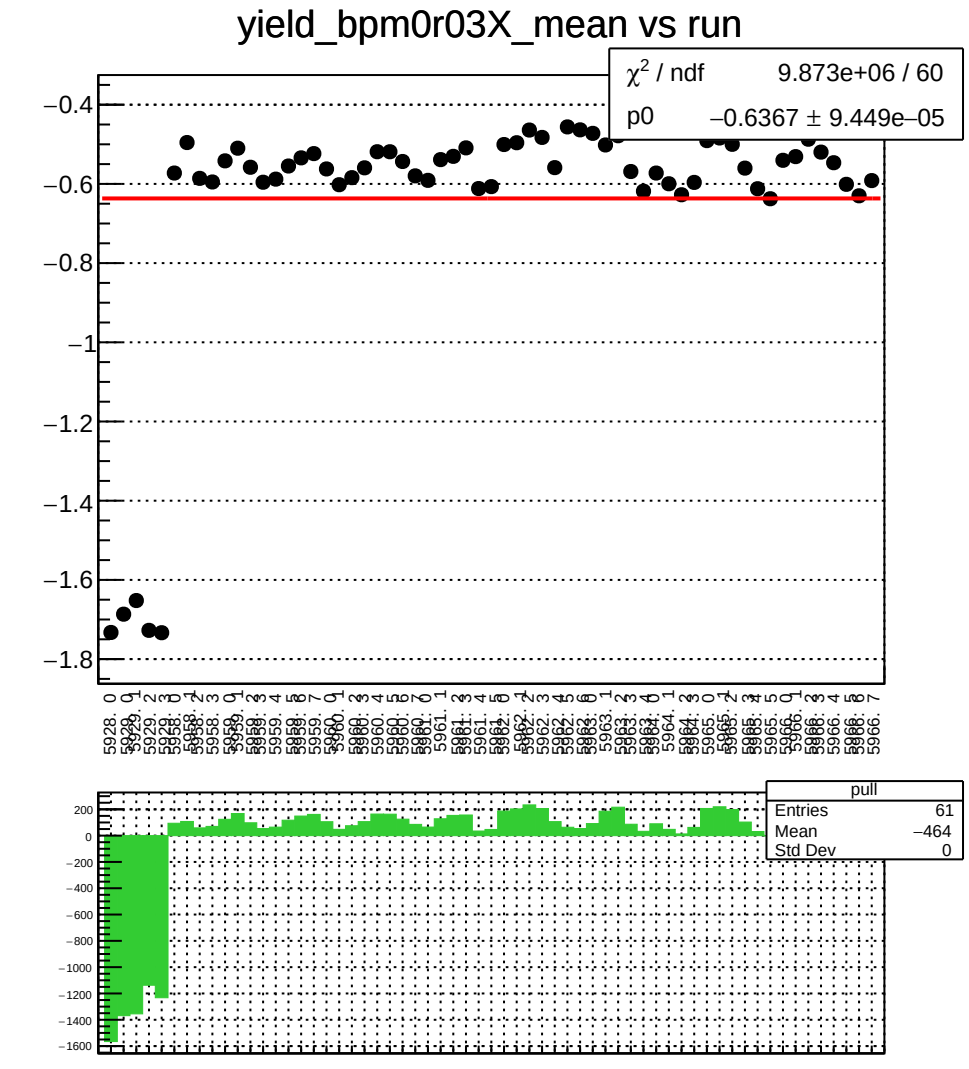

pull1D
Entries 61
Mean −0.8289
Std Dev 4.776
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

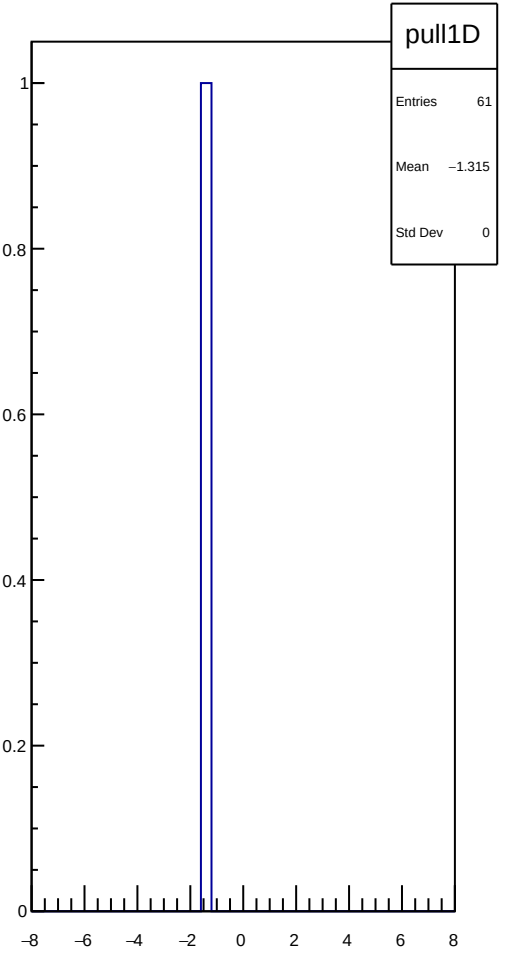

yield_bpm0l10X_rms vs run
χ² / ndf 2.989e+04 / 60
p0 0.01189 ± 1.103e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

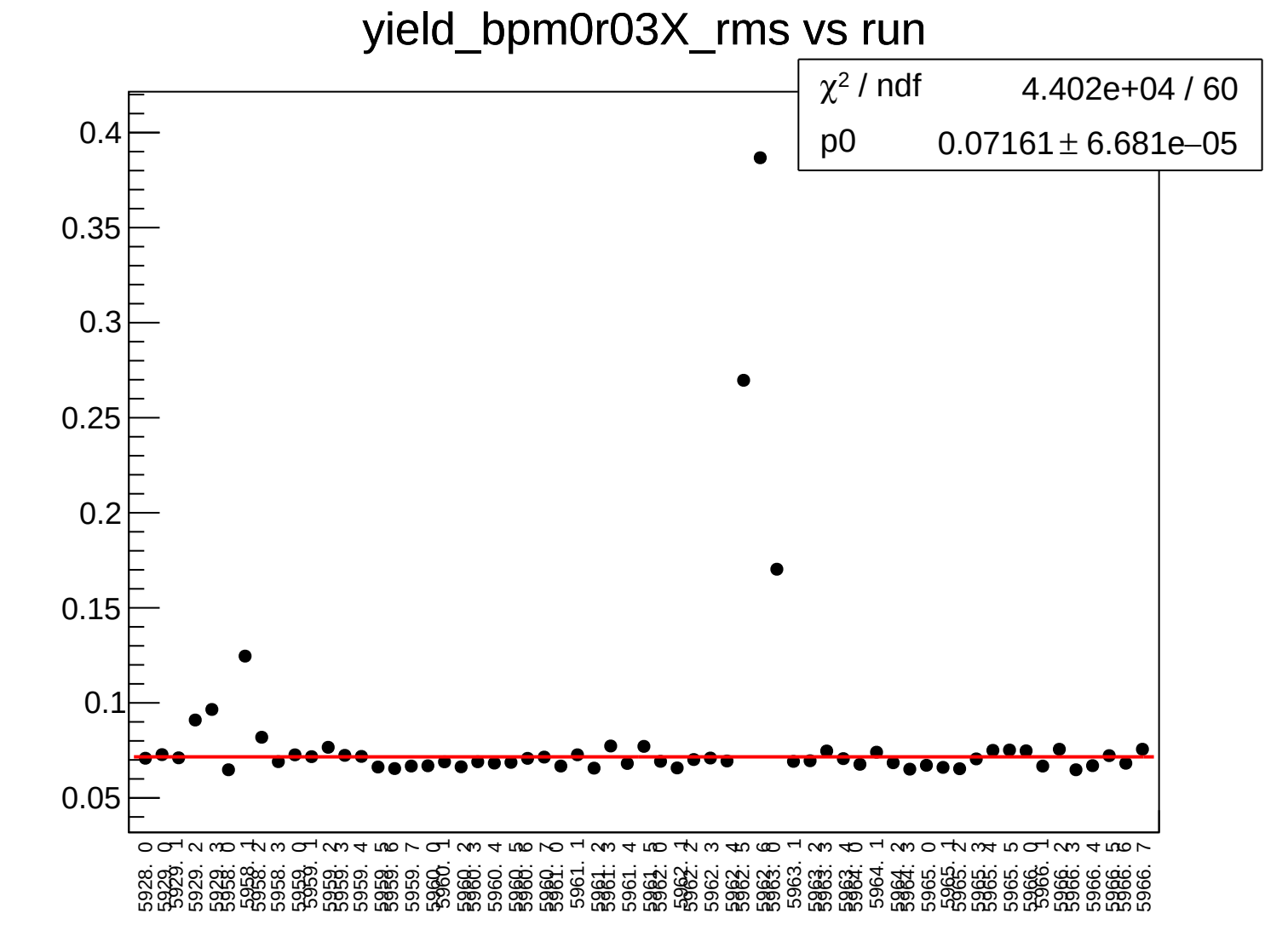

yield_bpm0l10Y_mean vs run
χ² / ndf 1.43e+07 / 60
p0 −0.2615 ± 6.84e−06
−0.12
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
−0.26
−0.28
pull
Entries 61
Mean −42.11
Std Dev 0
2000
1500
1000
500
0

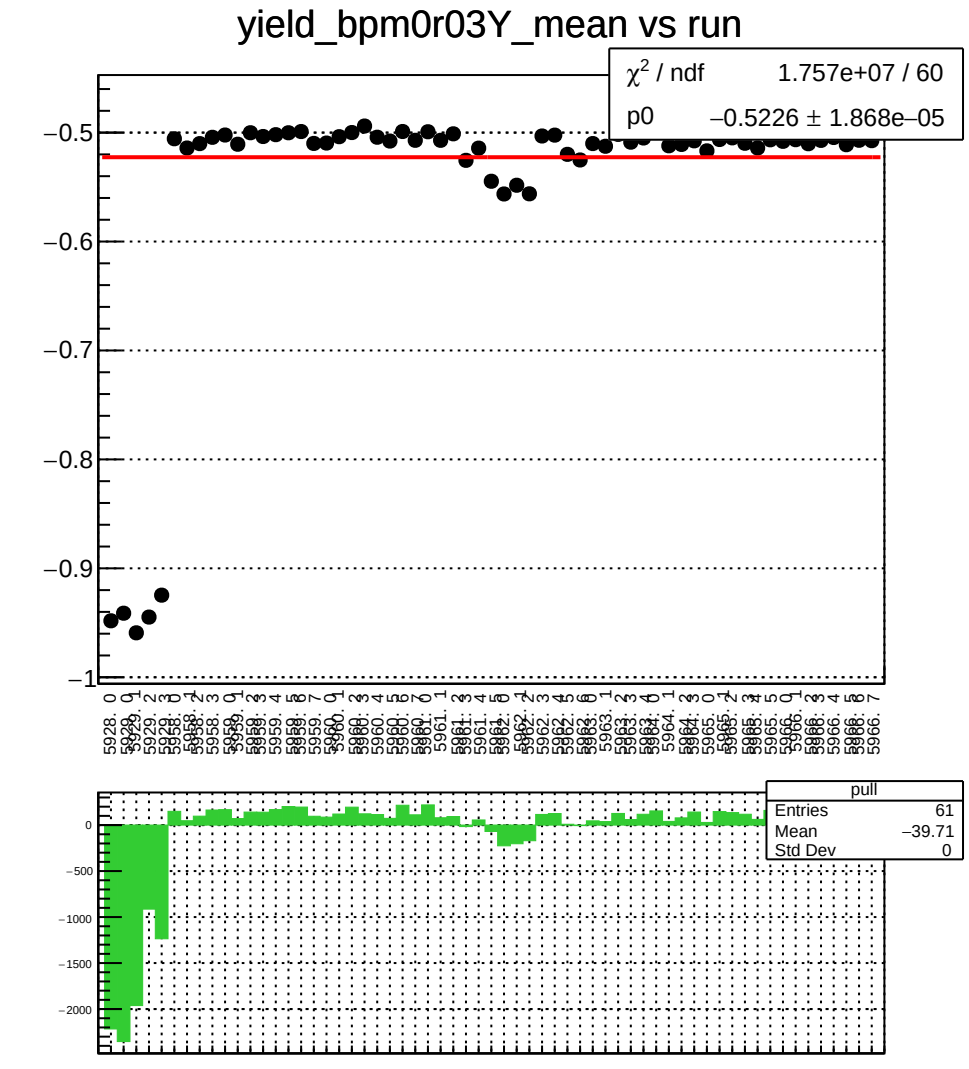

pull1D
Entries 61
Mean −2.087
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

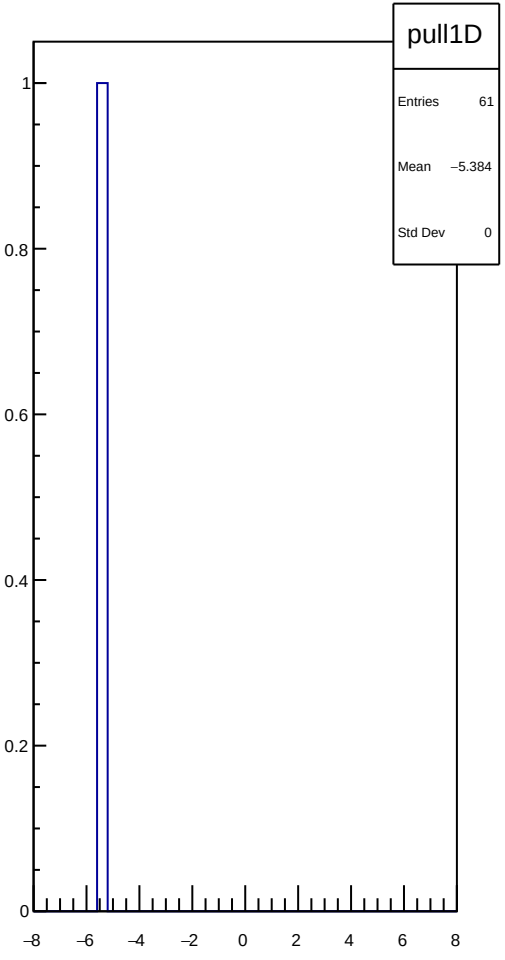

yield_bpm0l10Y_rms vs run
χ² / ndf 1.506e+05 / 60
p0 0.004938 ± 4.837e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

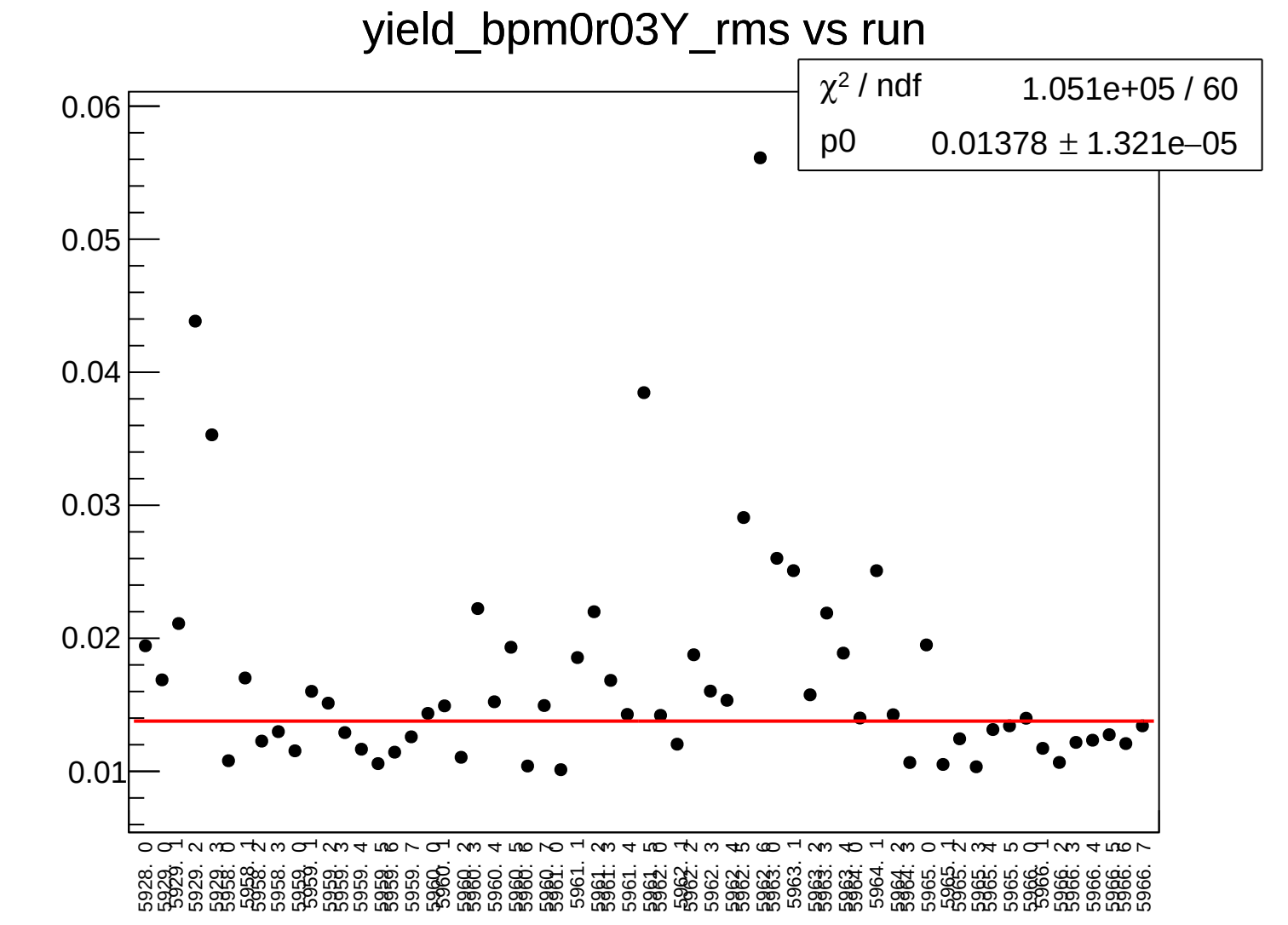

yield_bpm0r03X_mean vs run
χ² / ndf 9.873e+06 / 60
p0 −0.6367 ± 9.449e−05
pull
Entries 61
Mean −464
Std Dev 0

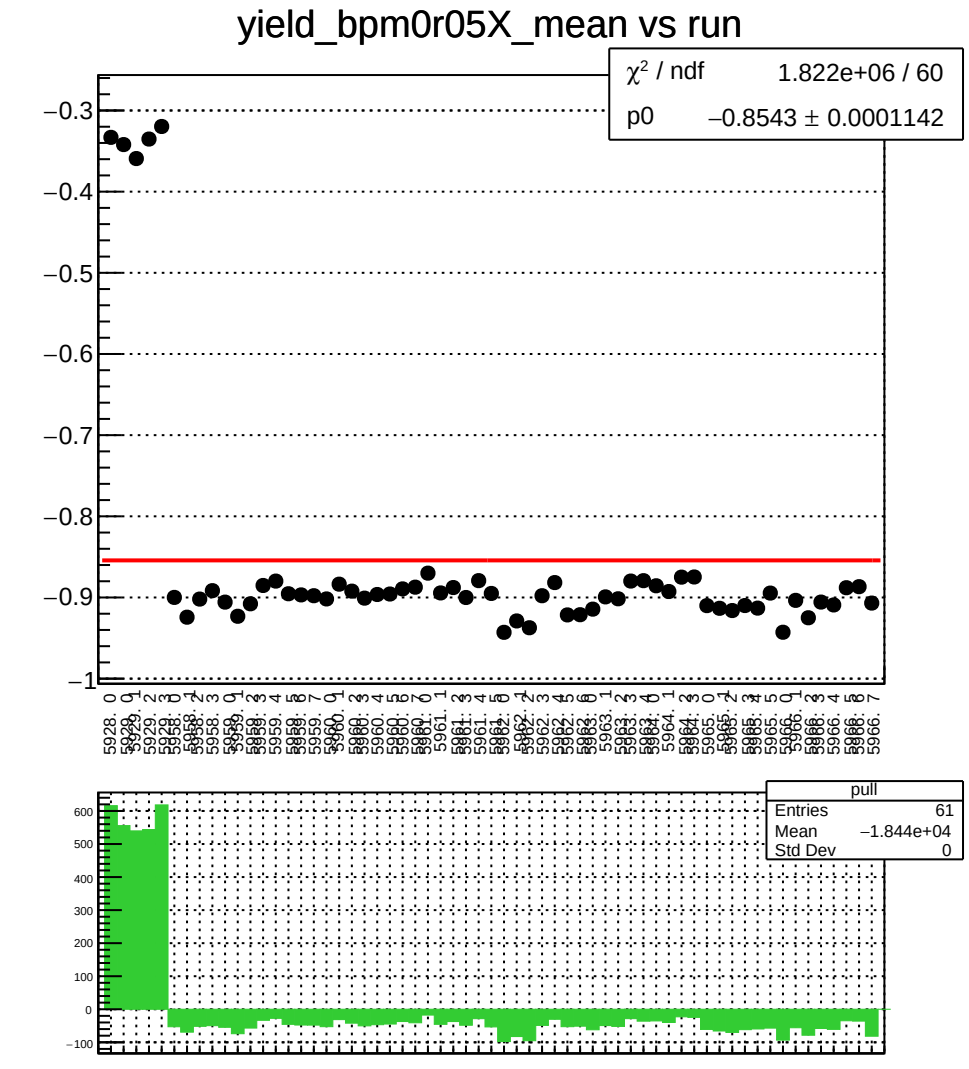

pull1D
Entries 61
Mean −1.315
Std Dev 0

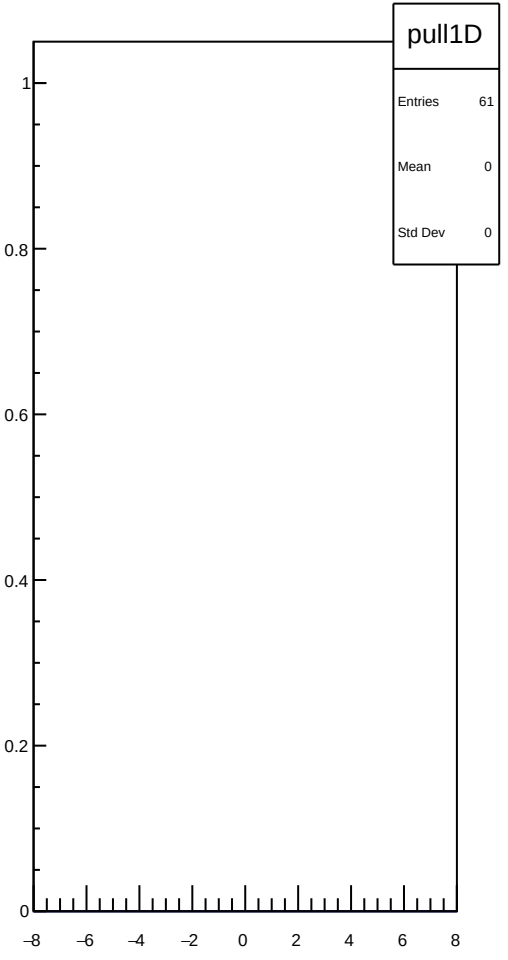

yield_bpm0r03X_rms vs run
χ² / ndf 4.402e+04 / 60
p0 0.07161 ± 6.681e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

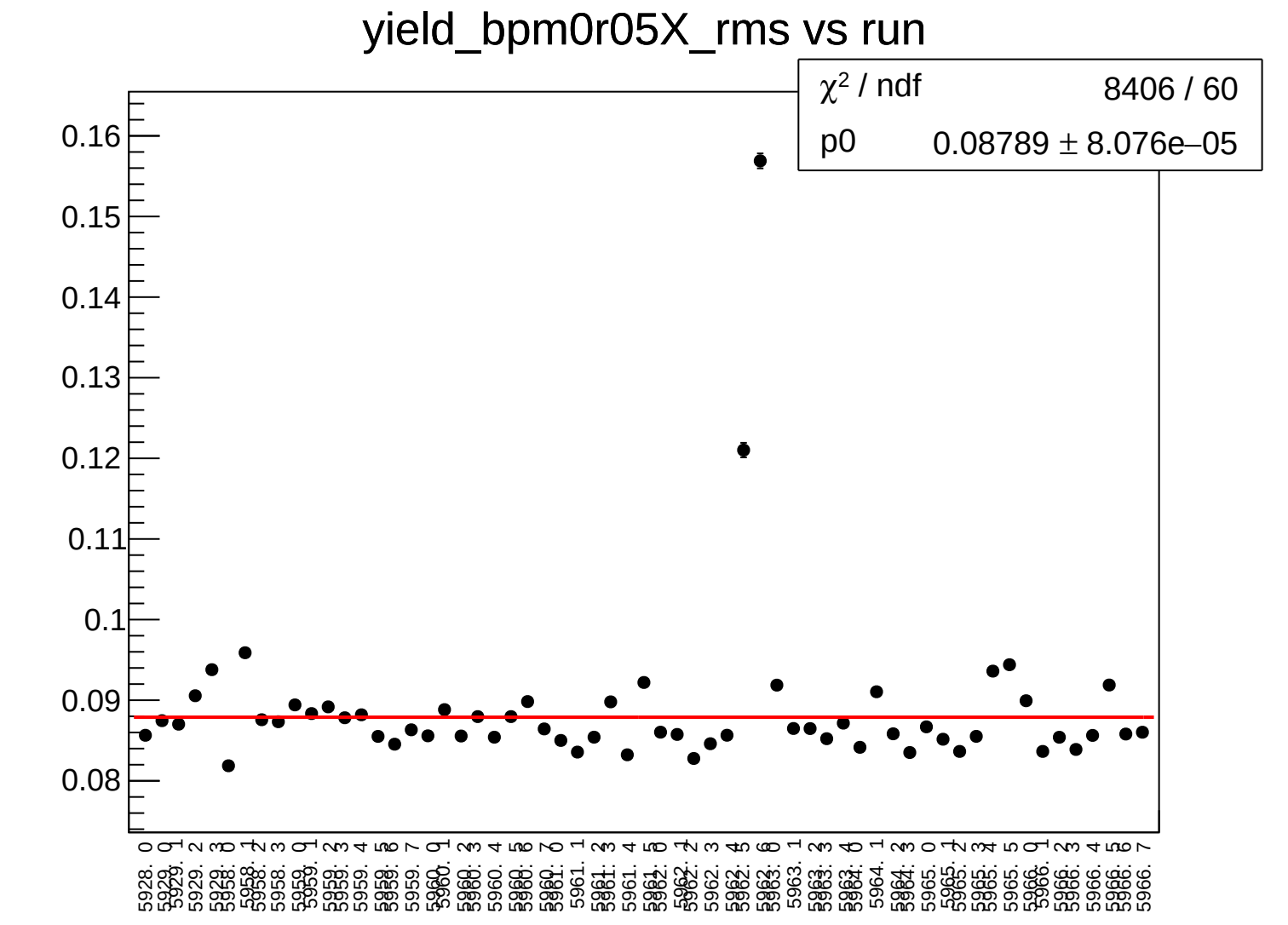

yield_bpm0r03Y_mean vs run
χ² / ndf 1.757e+07 / 60
p0 −0.5226 ± 1.868e−05
pull
Entries 61
Mean −39.71
Std Dev 0

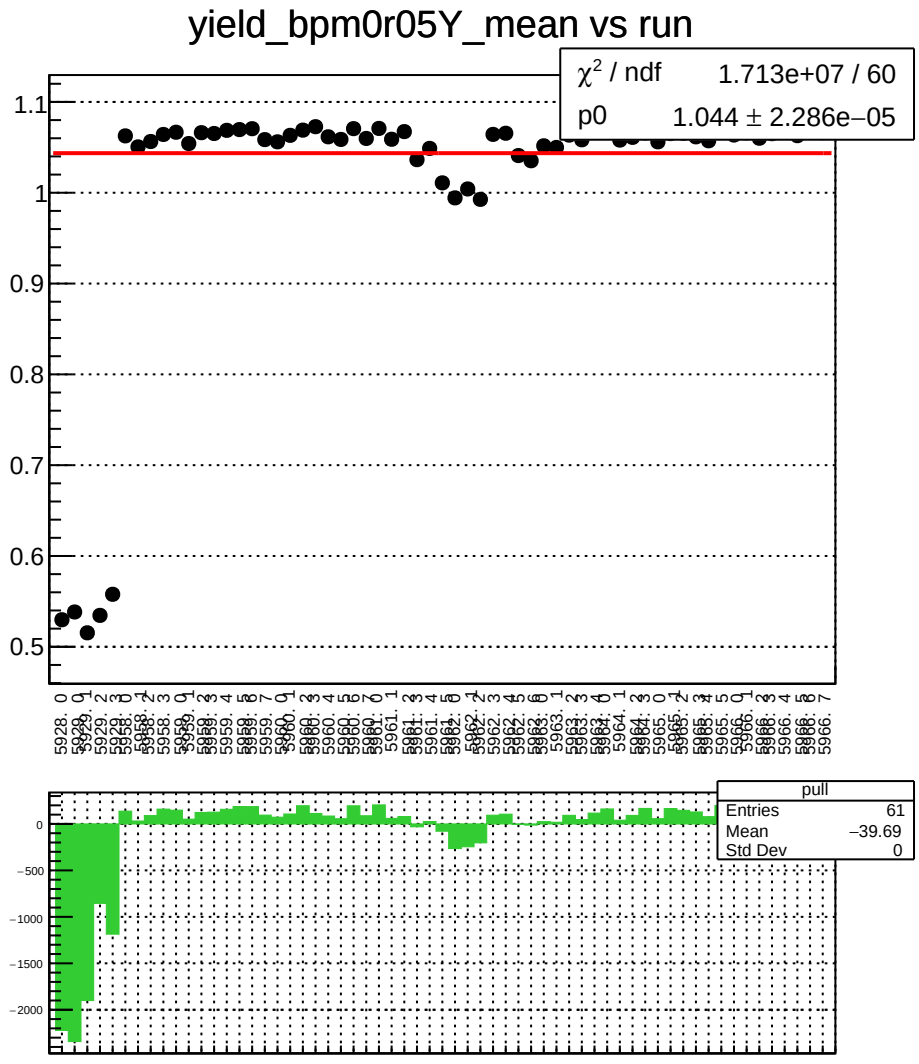

pull1D
Entries 61
Mean −5.384
Std Dev 0

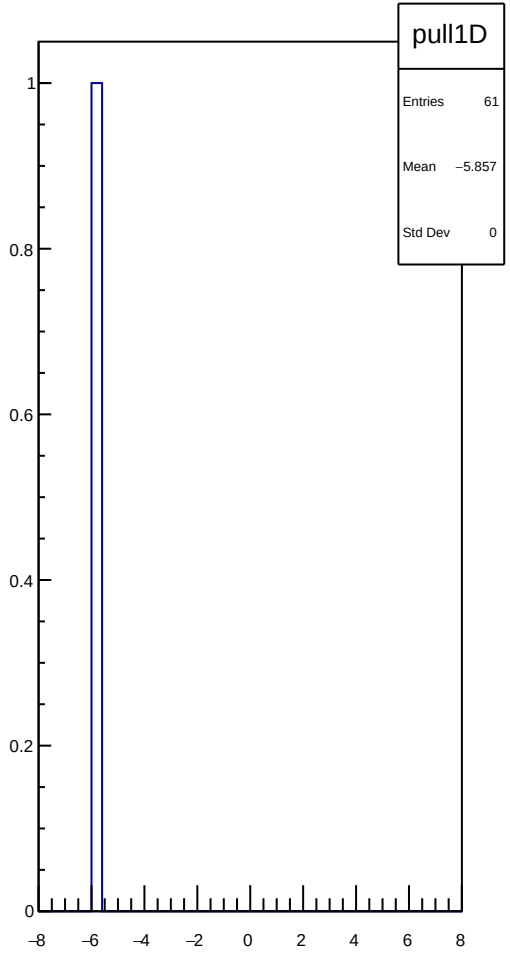

yield_bpm0r03Y_rms vs run
χ² / ndf 1.051e+05 / 60
p0 0.01378 ± 1.321e−05
0.06
0.05
0.04
0.03
0.02
0.01

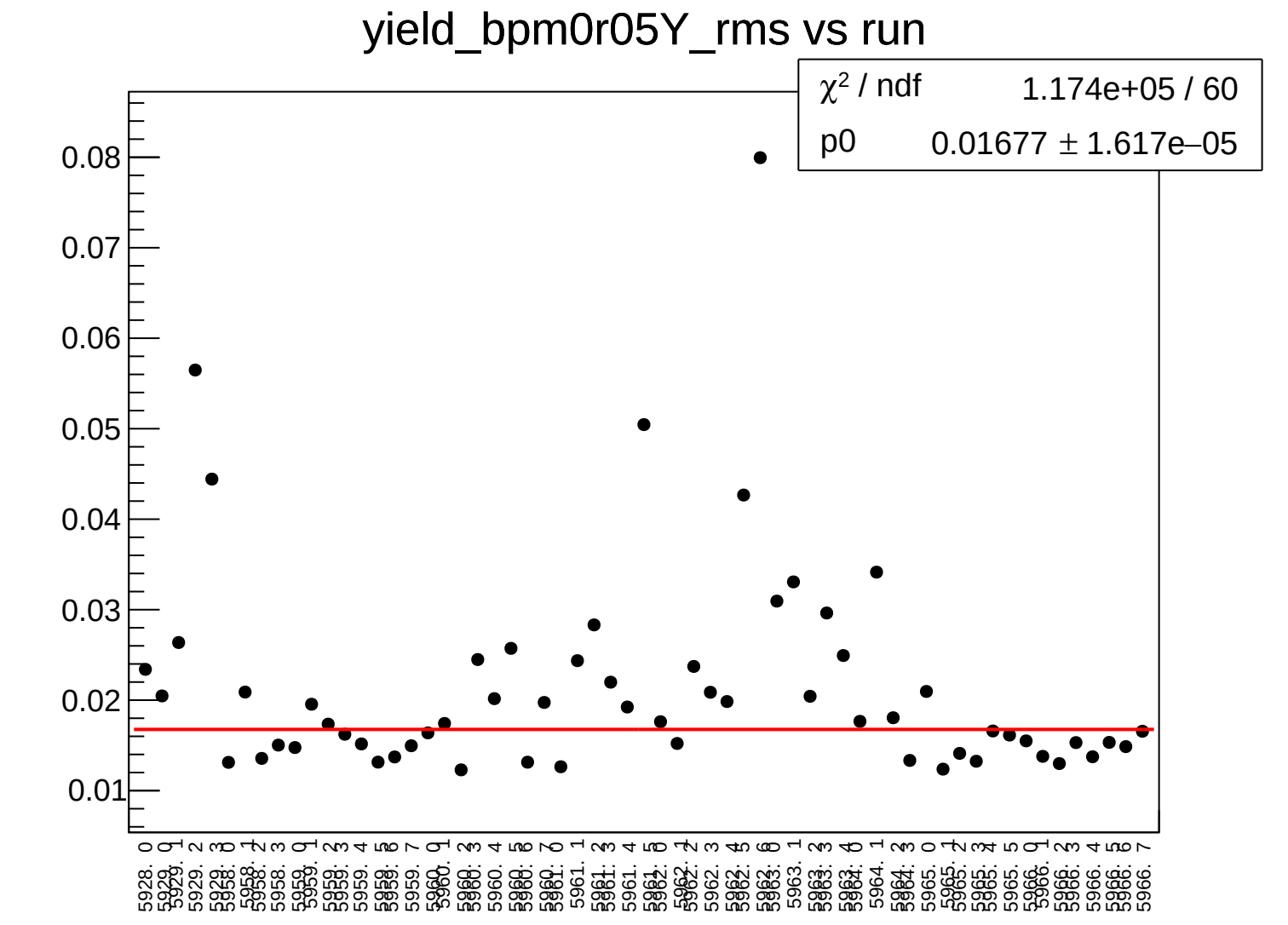

yield_bpm0r05X_mean vs run
χ² / ndf 1.822e+06 / 60
p0 −0.8543 ± 0.0001142
pull
Entries 61
Mean −1.844e+04
Std Dev 0

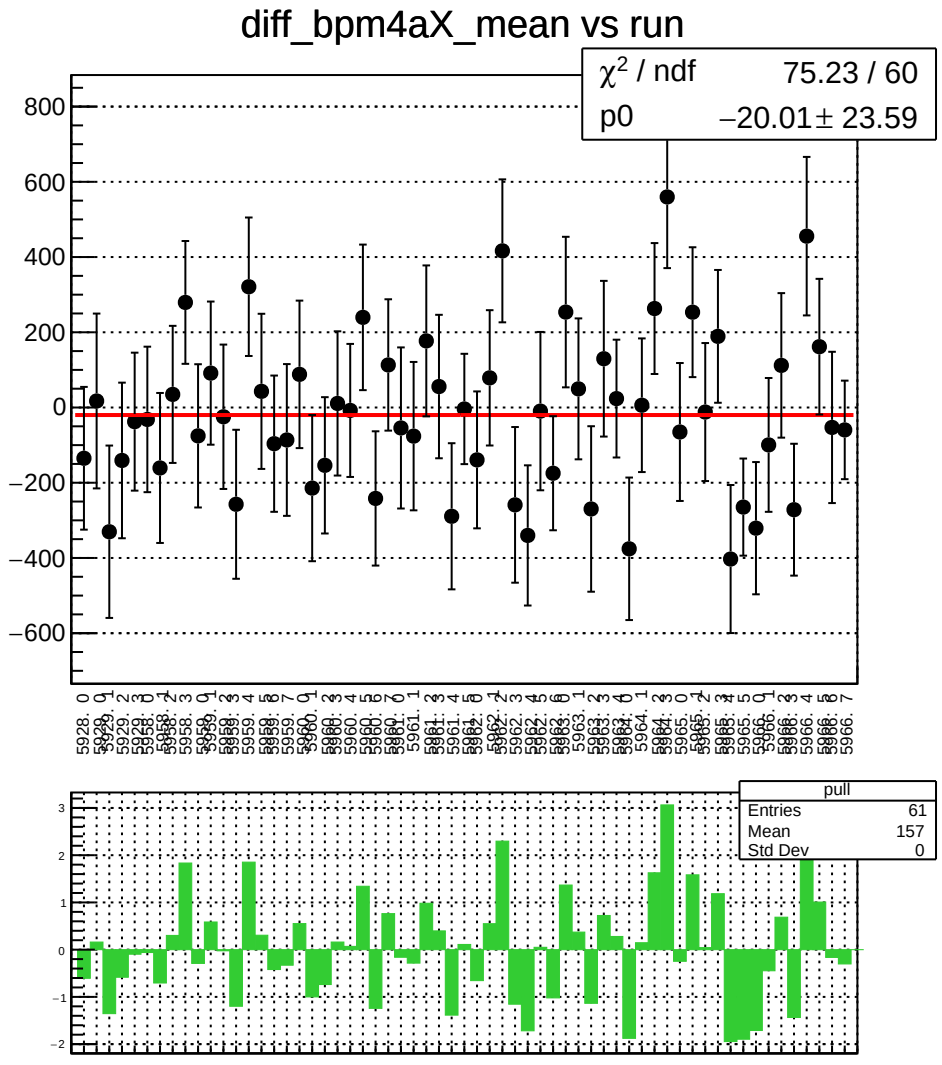

pull1D
Entries 61
Mean 0
Std Dev 0

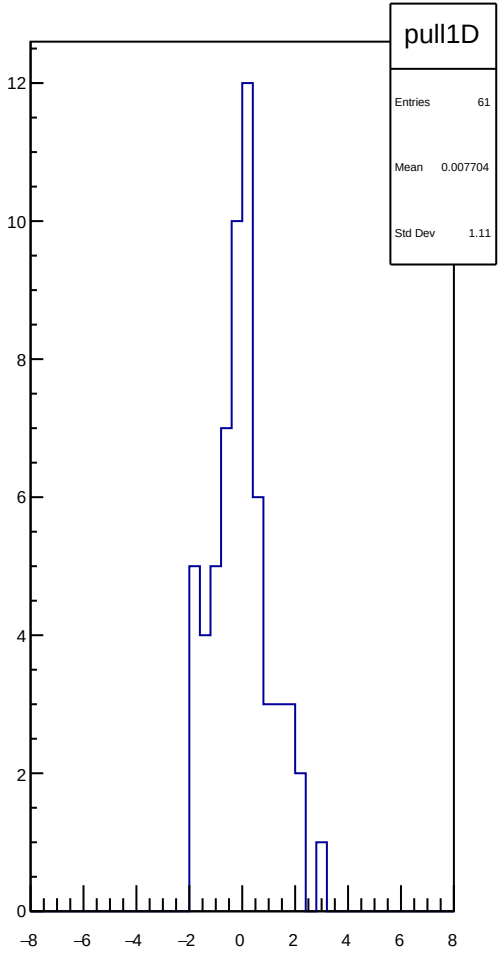

yield_bpm0r05X_rms vs run
χ² / ndf 8406 / 60
p0 0.08789 ± 8.076e−05
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08

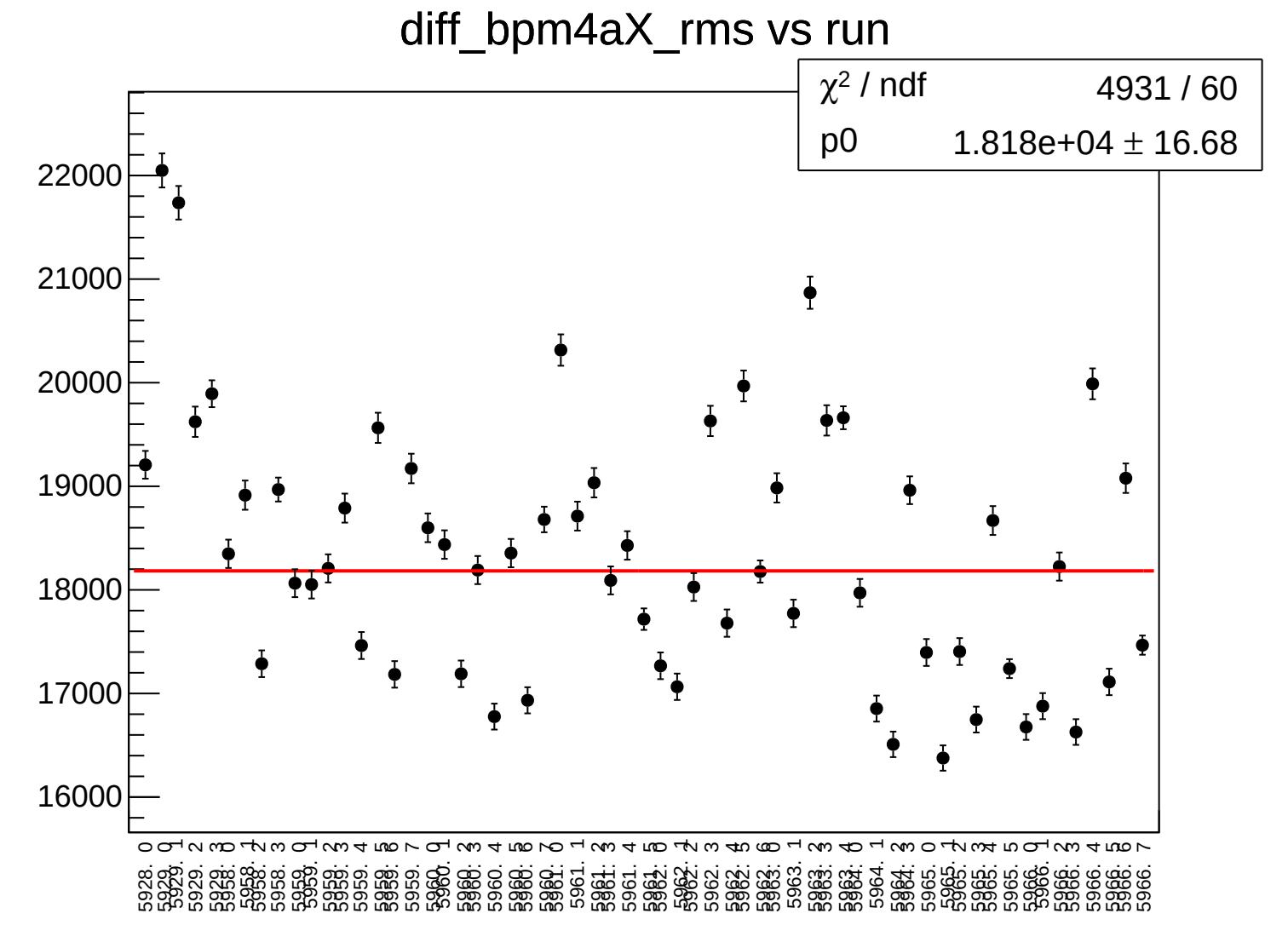

yield_bpm0r05Y_mean vs run
χ² / ndf 1.713e+07 / 60
p0 1.044 ± 2.286e−05
pull
Entries 61
Mean −39.69
Std Dev 0

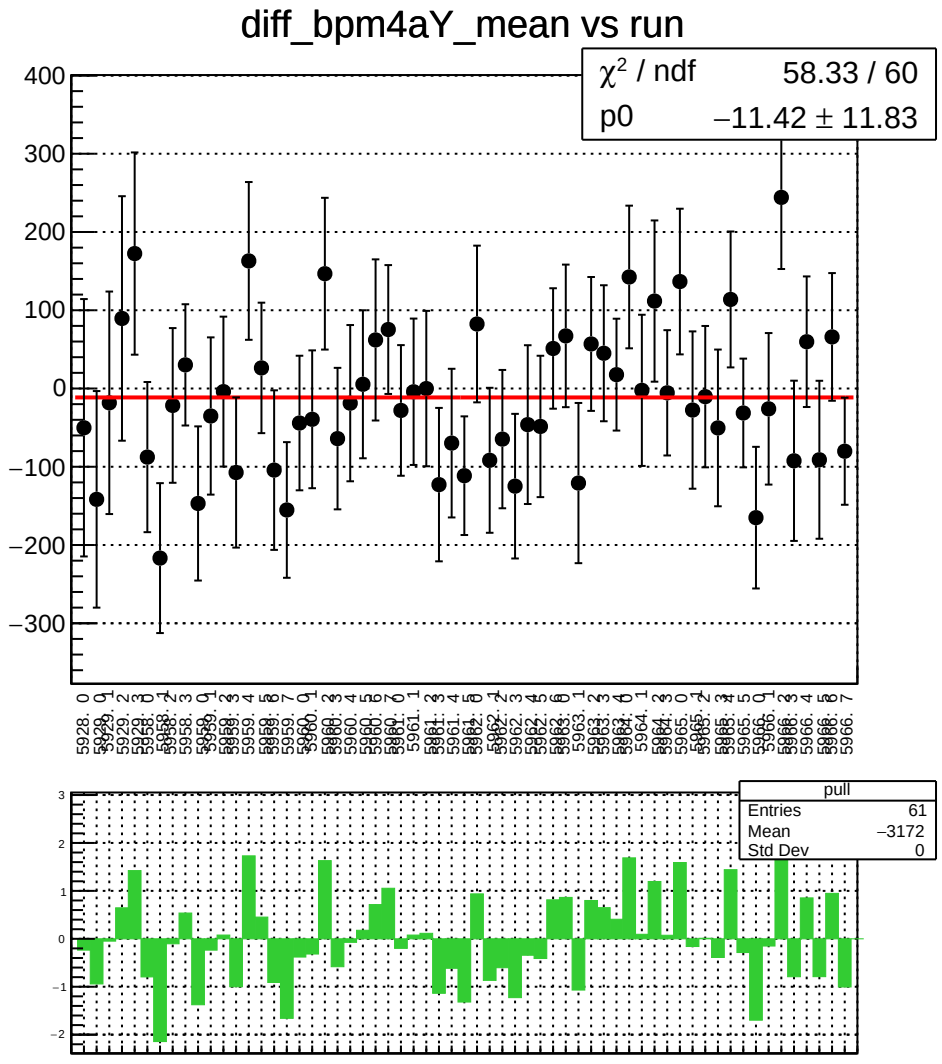

pull1D
Entries 61
Mean −5.857
Std Dev 0

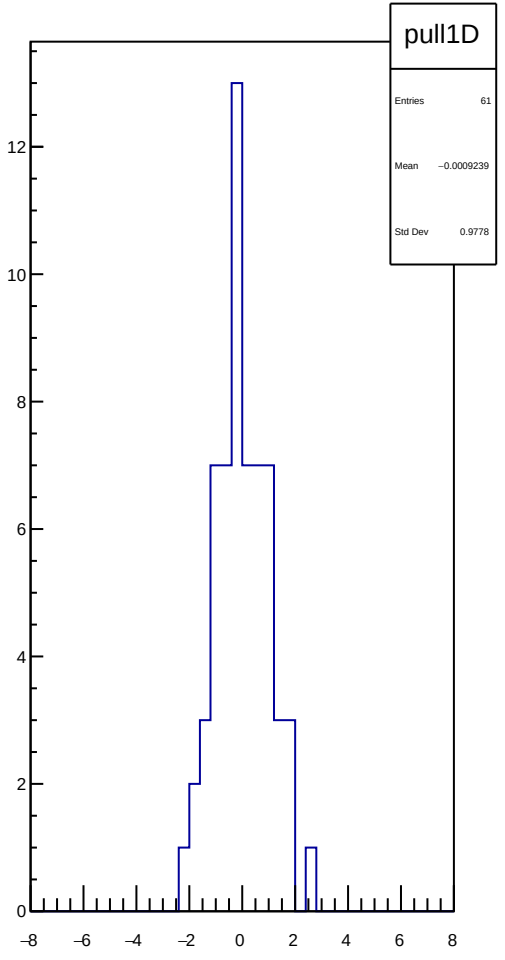

yield_bpm0r05Y_rms vs run
χ² / ndf 1.174e+05 / 60
p0 0.01677 ± 1.617e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

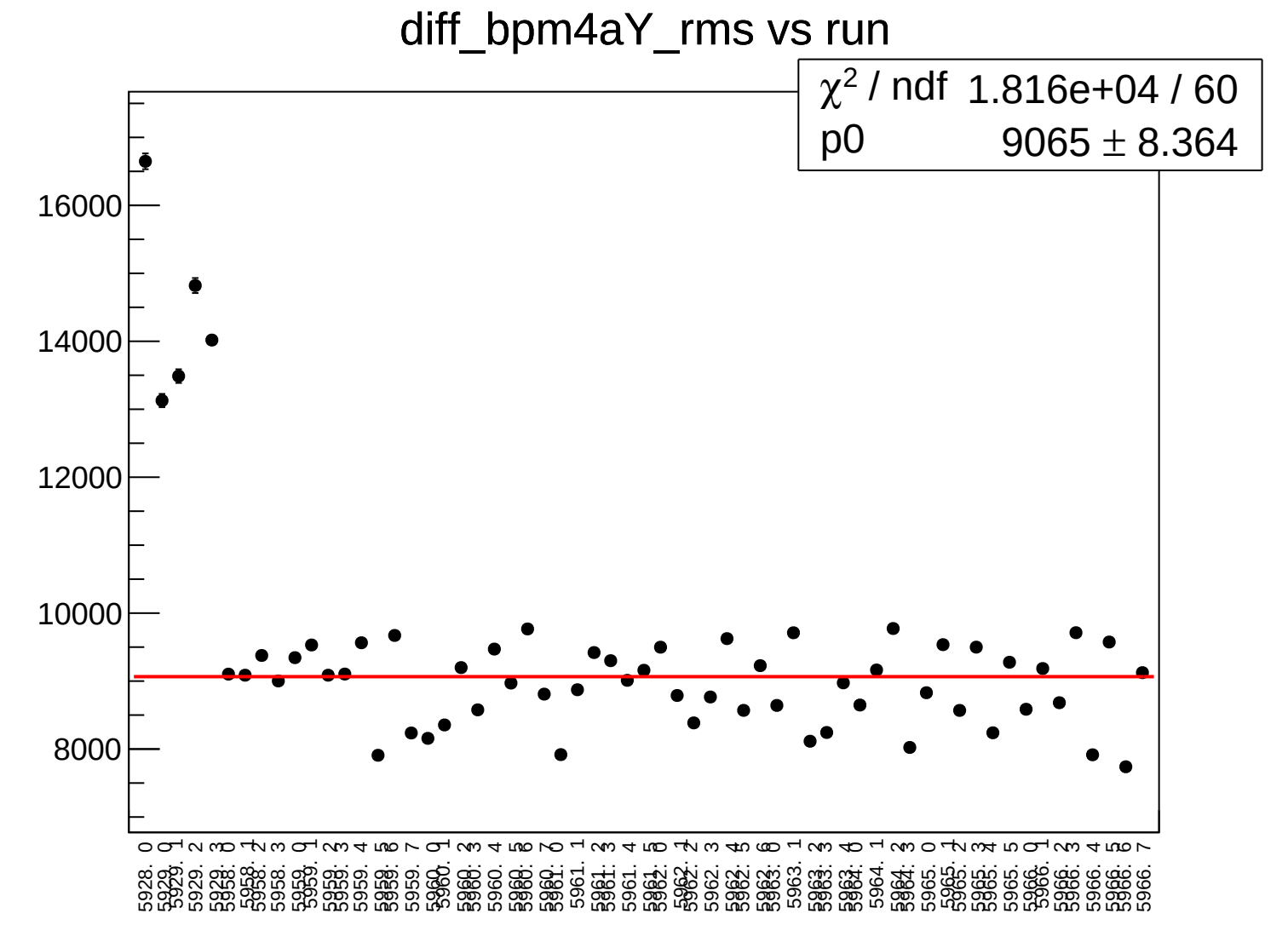

diff_bpm4aX_mean vs run
χ² / ndf 75.23 / 60
p0 −20.01± 23.59
pull
Entries 61
Mean 157
Std Dev 0

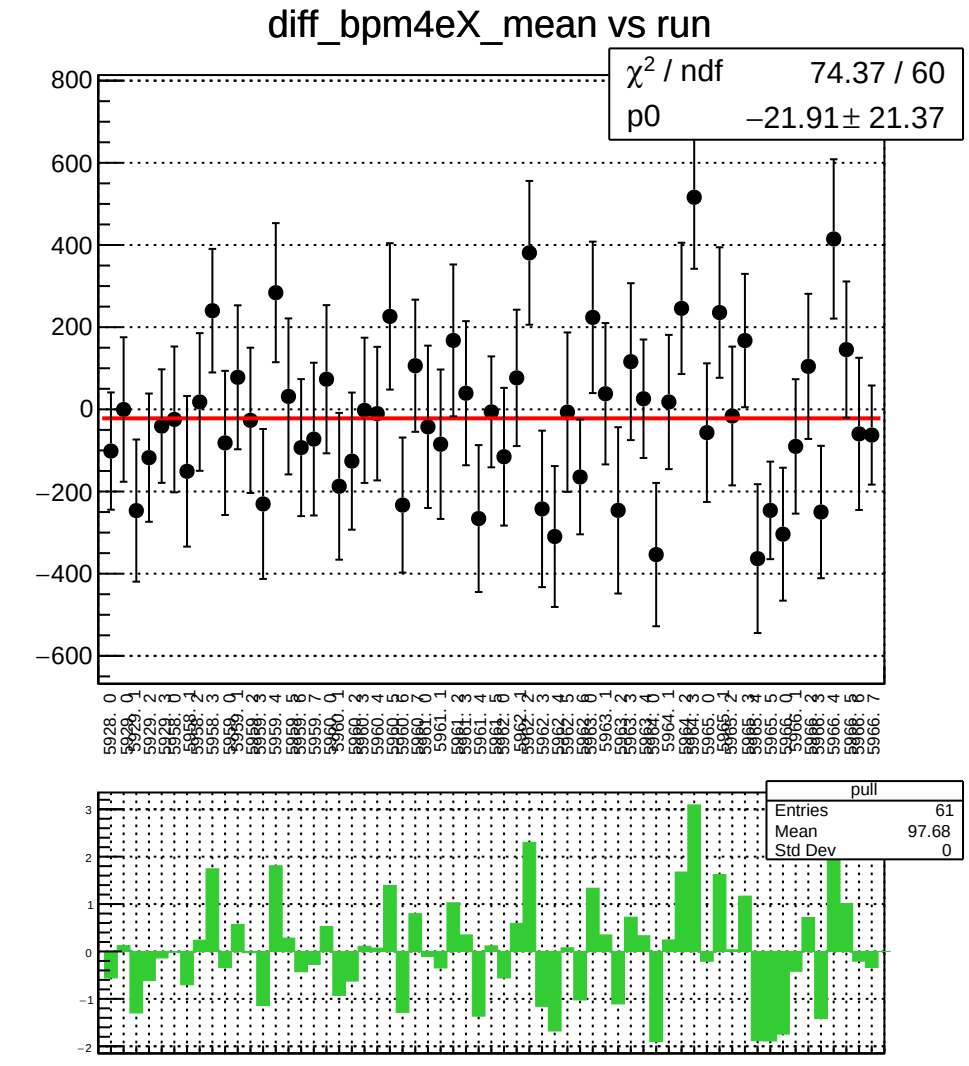

pull1D
Entries 61
Mean 0.007704
Std Dev 1.11

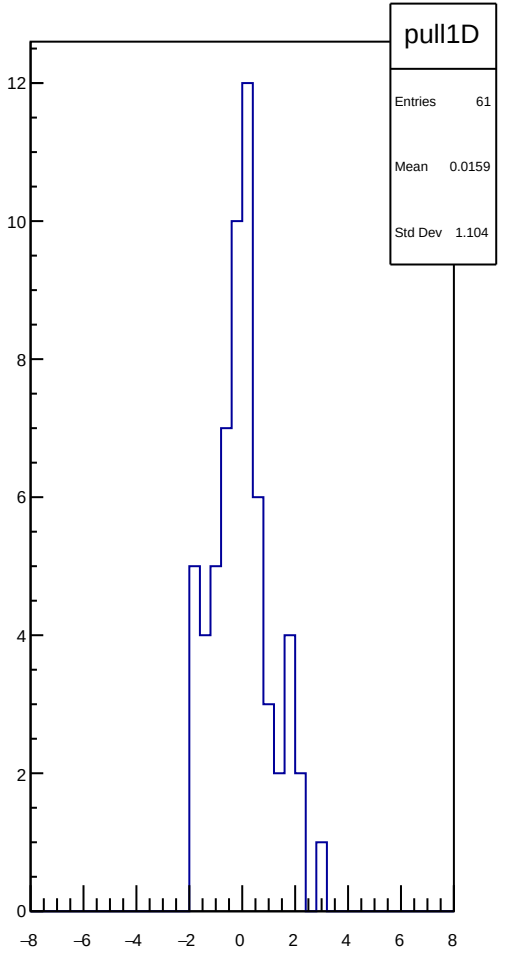

diff_bpm4aX_rms vs run
χ² / ndf 4931 / 60
p0 1.818e+04 ± 16.68
22000
21000
20000
19000
18000
17000
16000

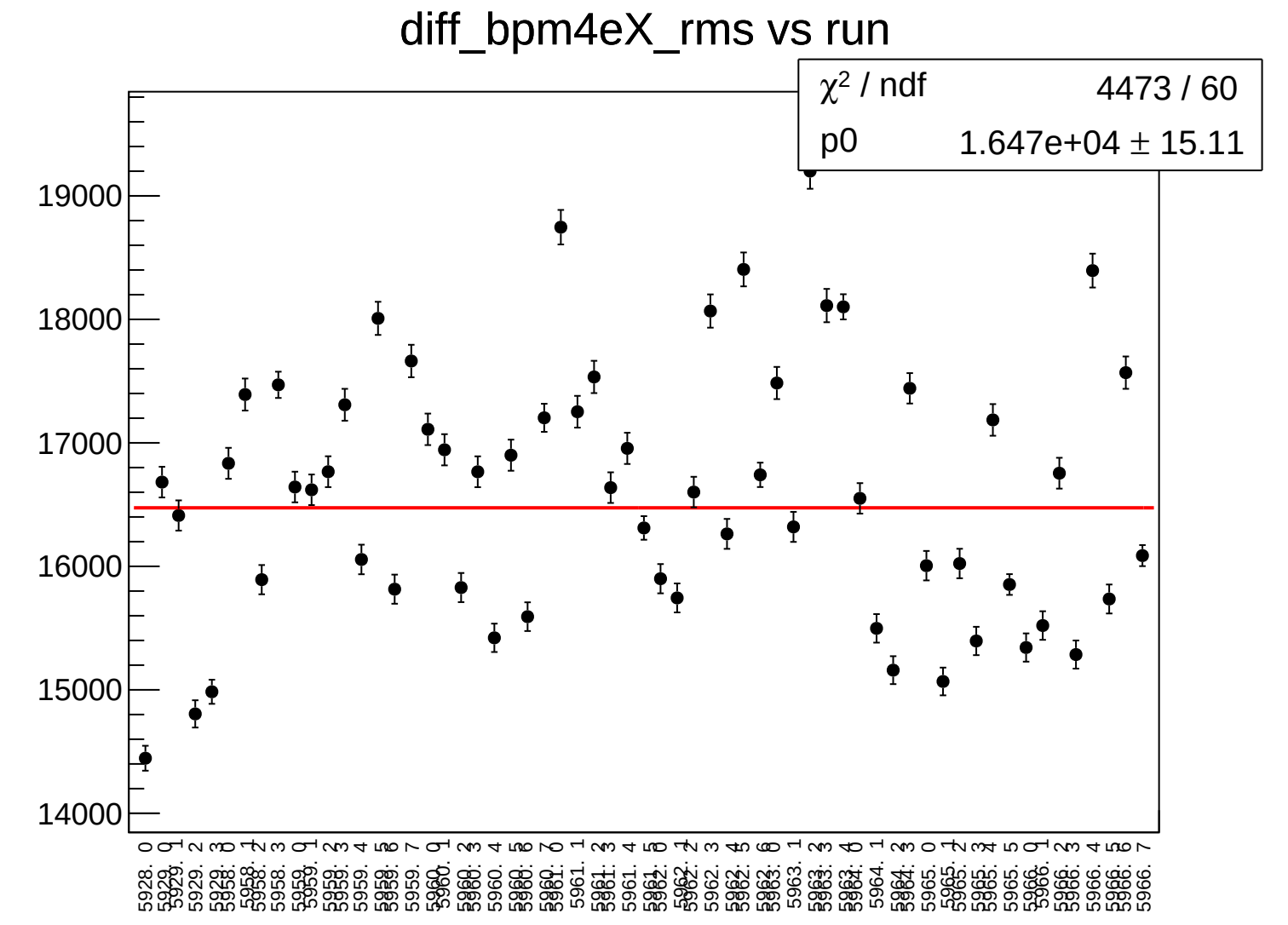

diff_bpm4aY_mean vs run
χ² / ndf 58.33 / 60
p0 −11.42 ± 11.83
pull
Entries 61
Mean −3172
Std Dev 0

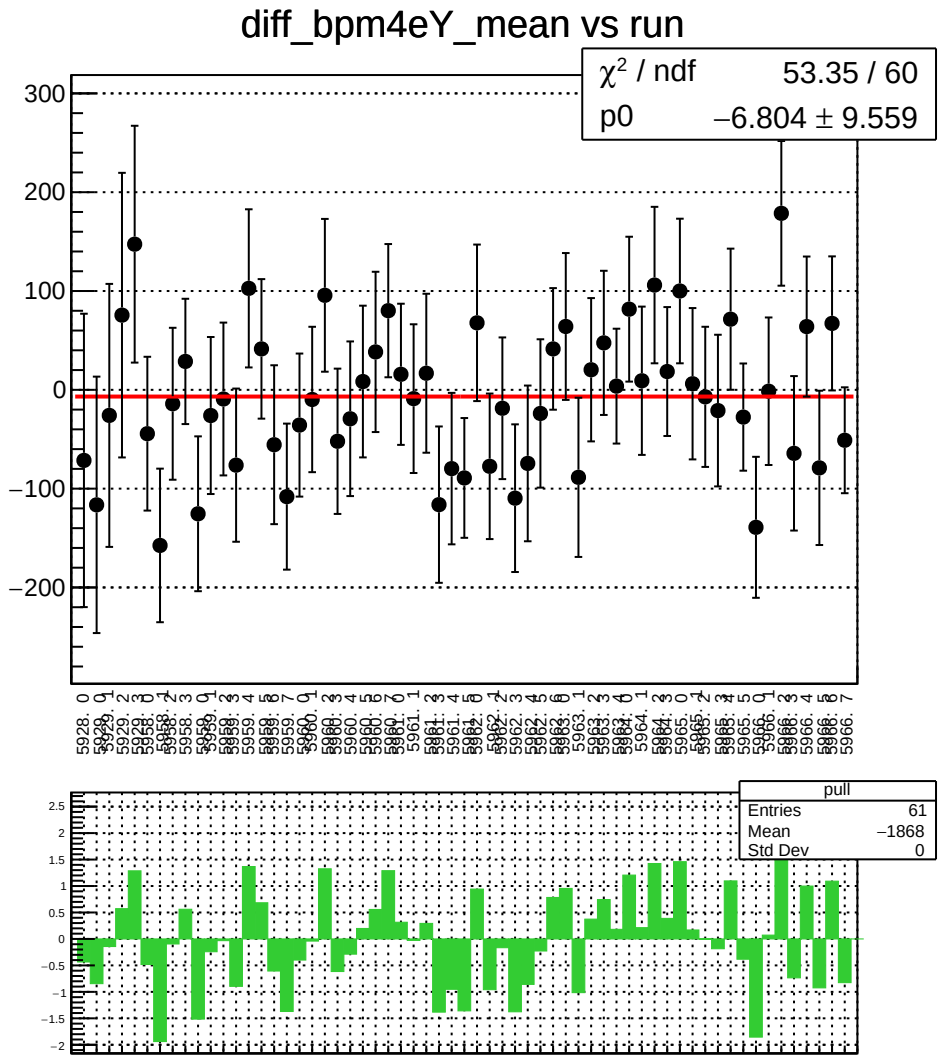

pull1D
Entries 61
Mean −0.0009239
Std Dev 0.9778

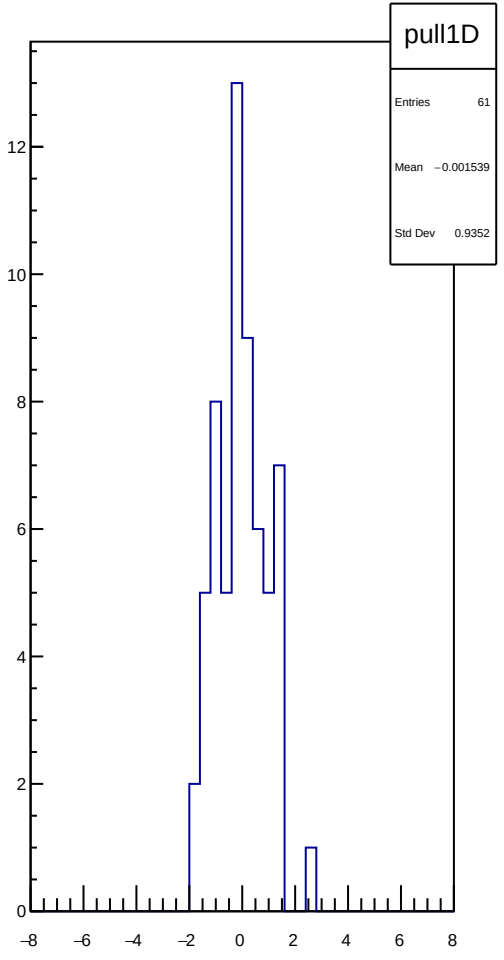

diff_bpm4aY_rms vs run
χ² / ndf 1.816e+04 / 60
p0 9065 ± 8.364
16000
14000
12000
10000
8000

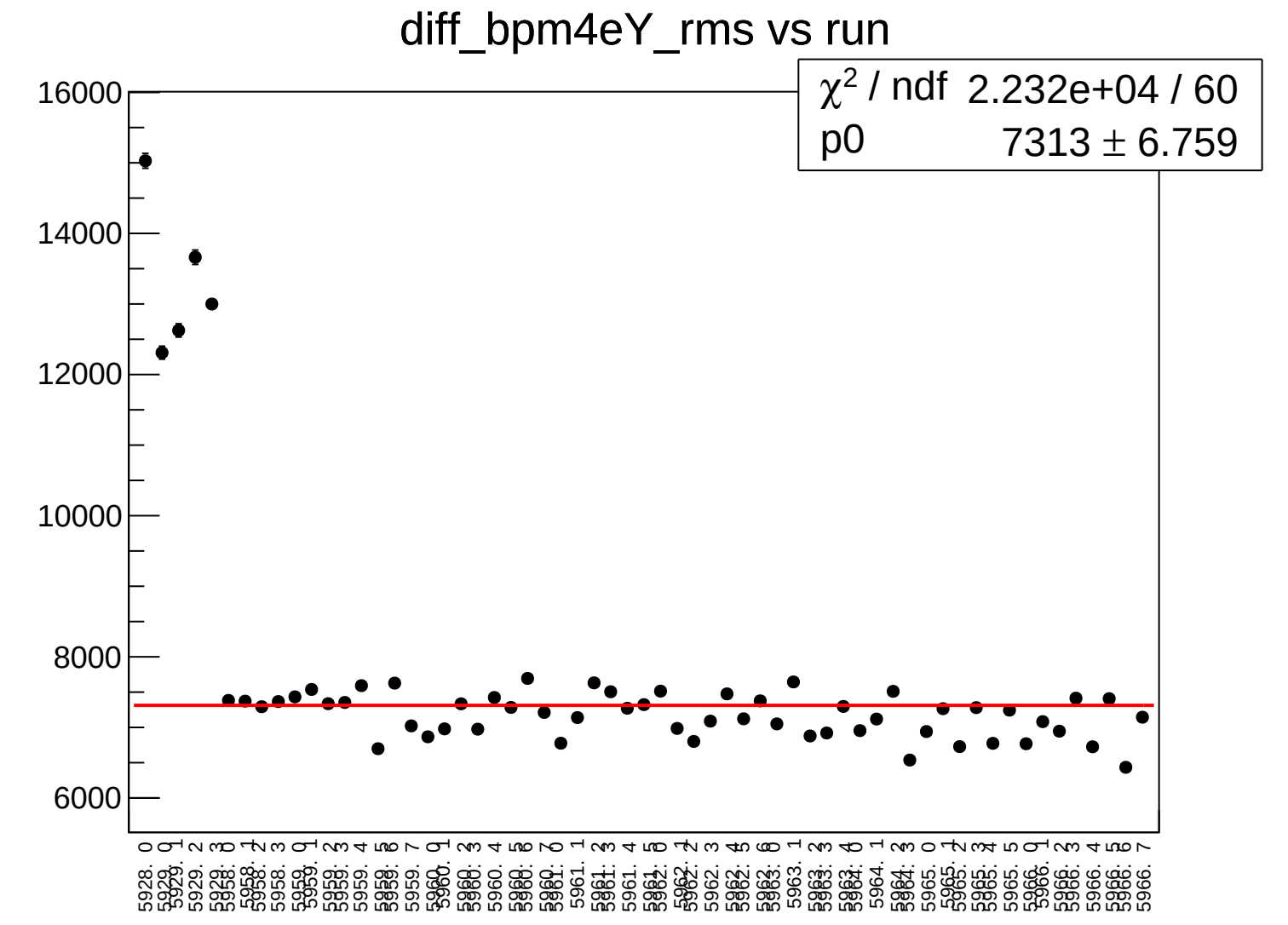

diff_bpm4eX_mean vs run
χ² / ndf 74.37 / 60
p0 −21.91± 21.37
pull
Entries 61
Mean 97.68
Std Dev 0

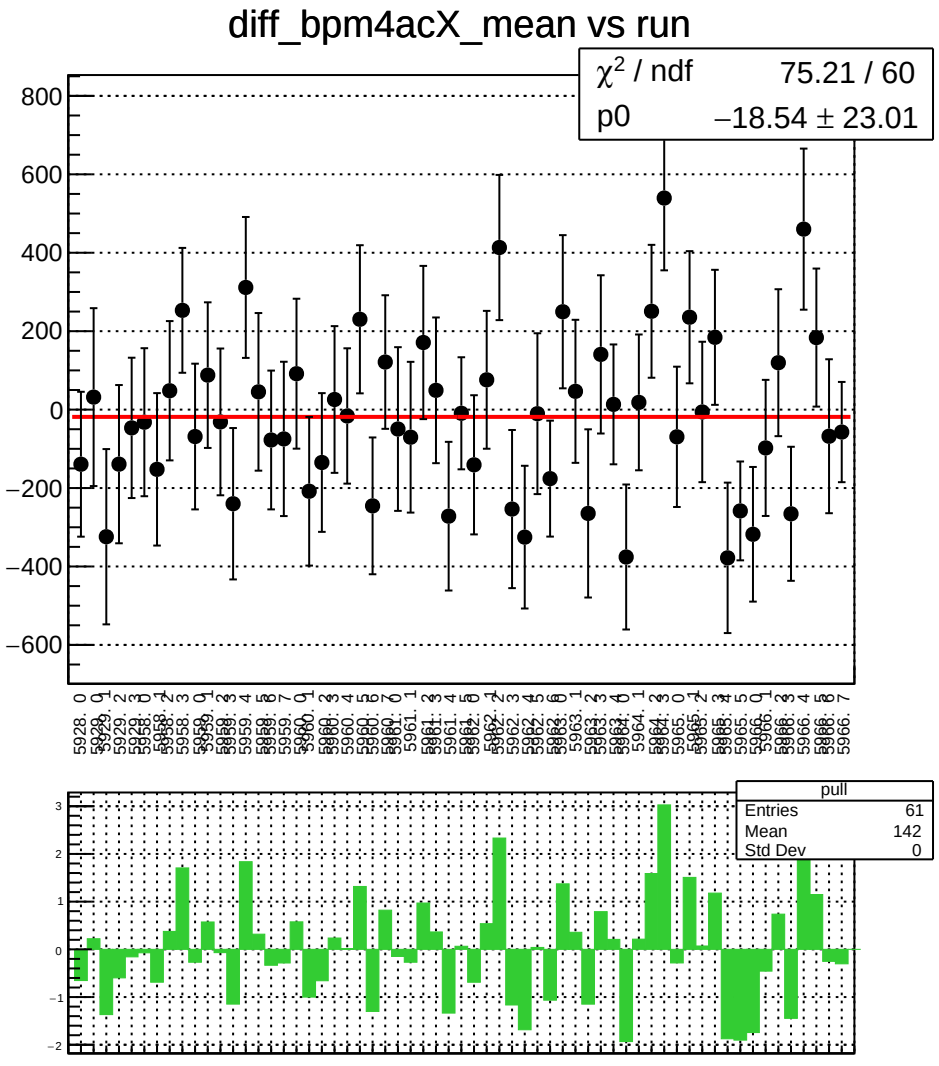

pull1D
Entries 61
Mean 0.0159
Std Dev 1.104

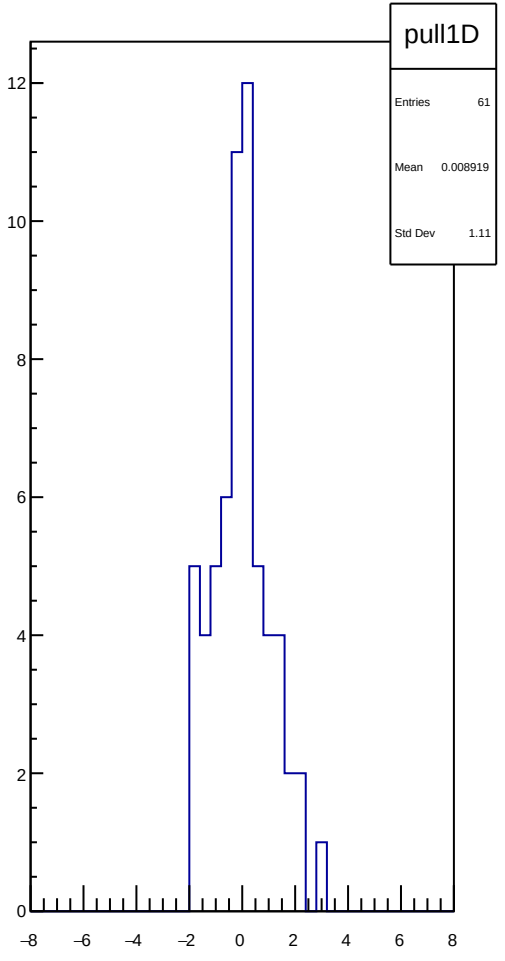

diff_bpm4eX_rms vs run
χ² / ndf 4473 / 60
p0 1.647e+04 ± 15.11
19000
18000
17000
16000
15000
14000

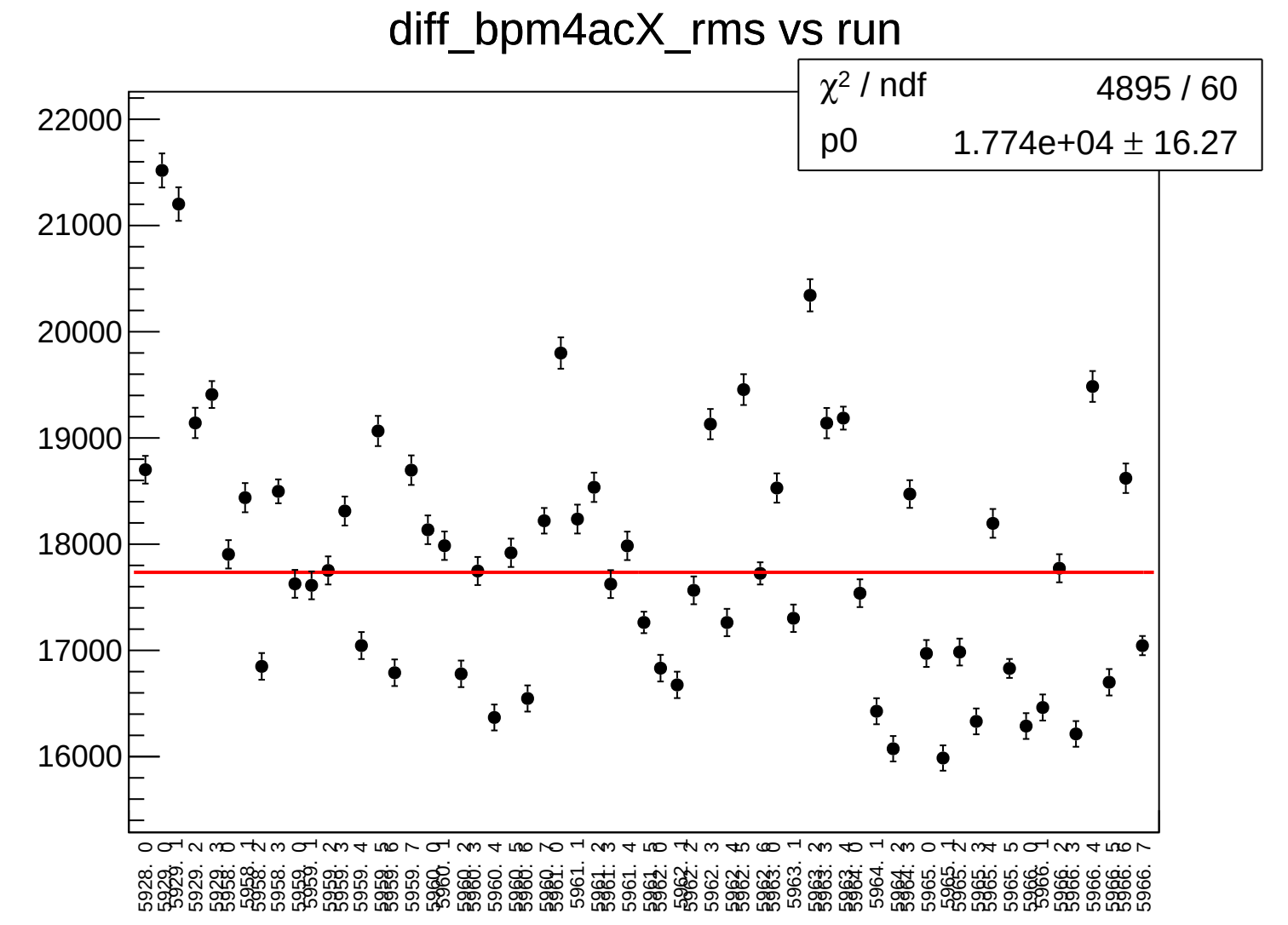

diff_bpm4eY_mean vs run
χ² / ndf 53.35 / 60
p0 −6.804 ± 9.559
pull
Entries 61
Mean −1868
Std Dev 0

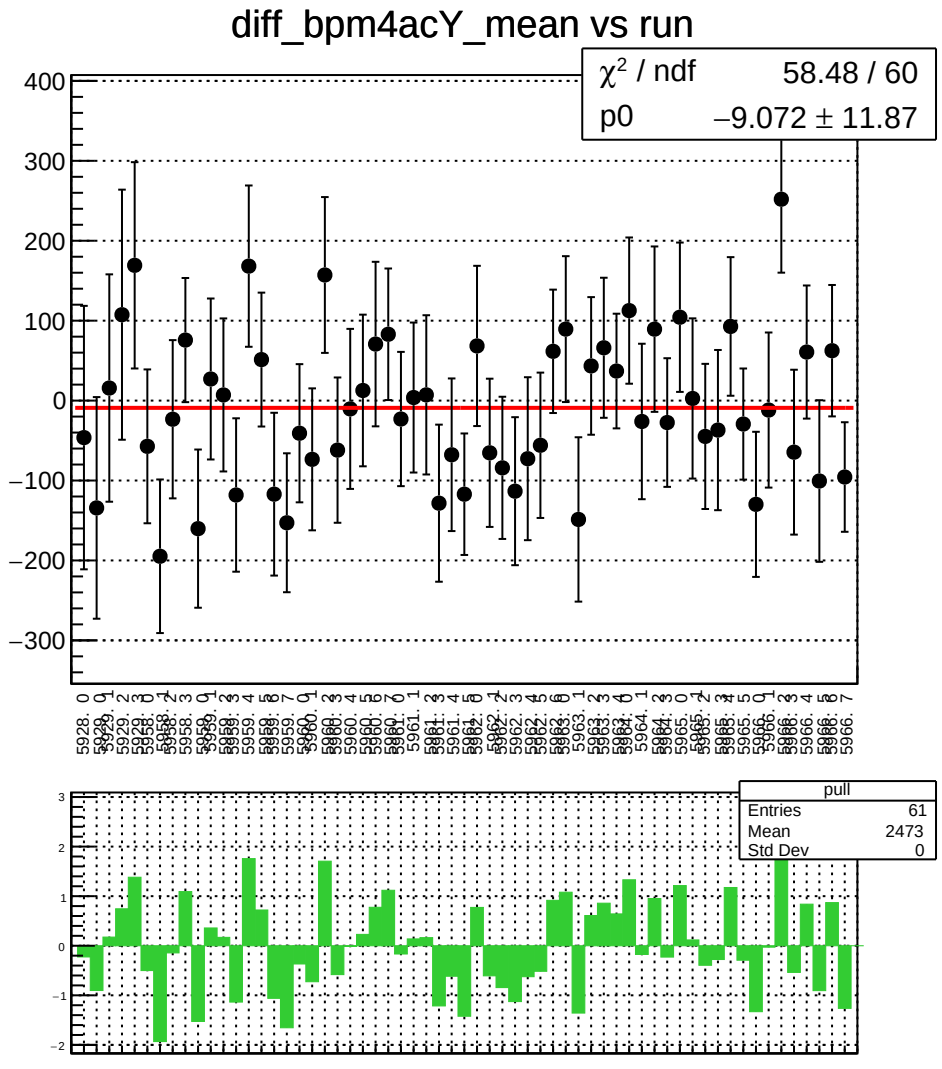

pull1D
Entries 61
Mean −0.001539
Std Dev 0.9352

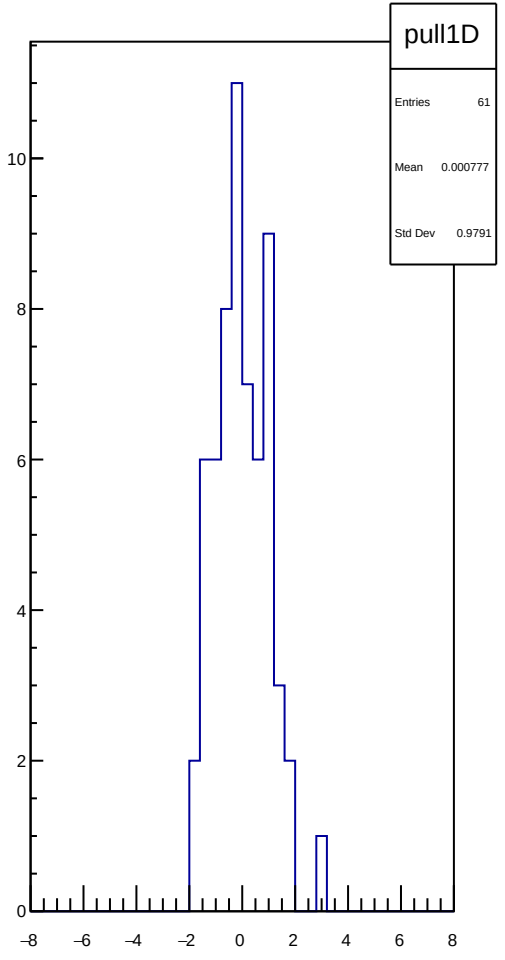

diff_bpm4eY_rms vs run
χ² / ndf 2.232e+04 / 60
p0 7313 ± 6.759
16000
14000
12000
10000
8000
6000

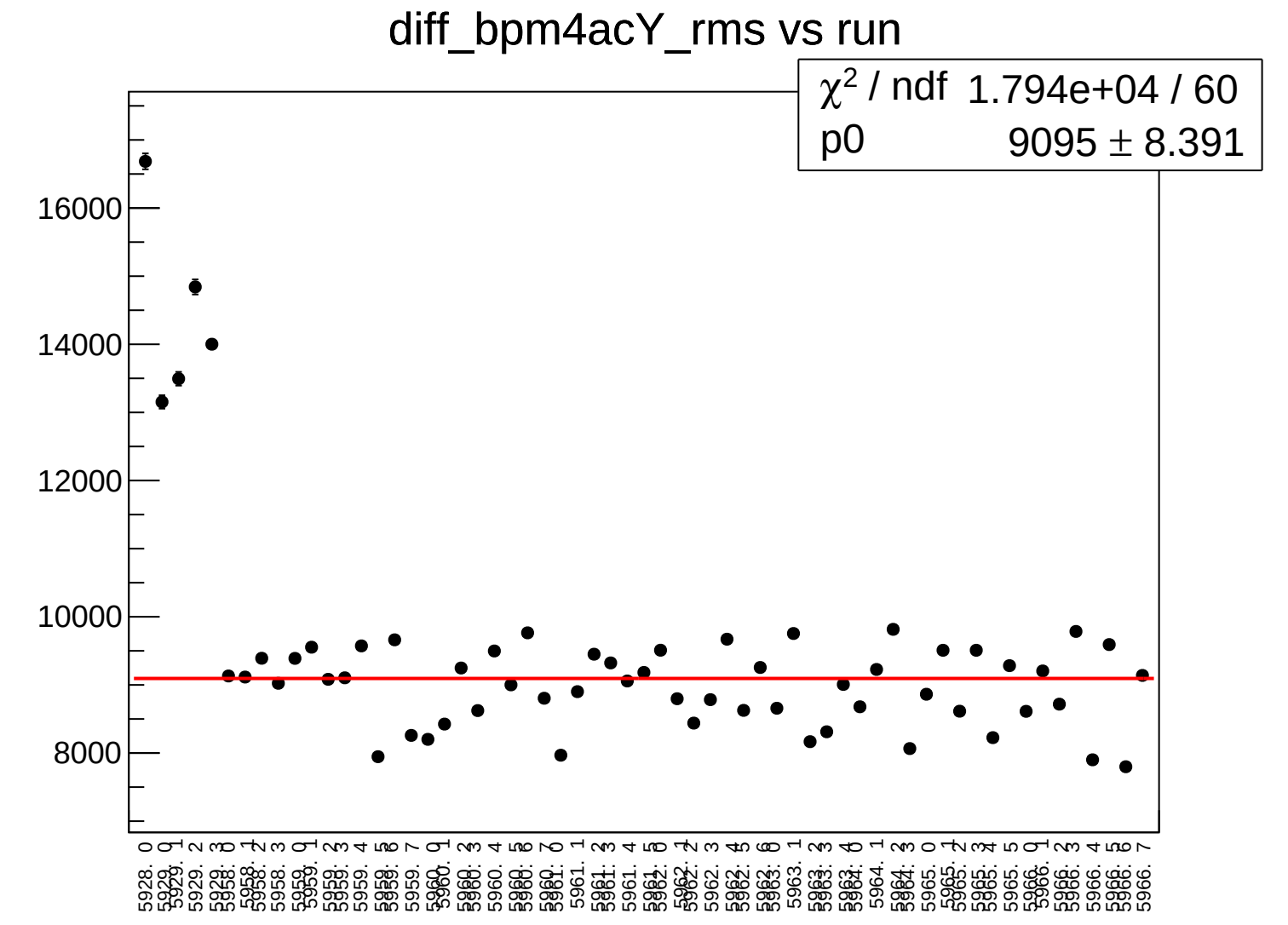

diff_bpm4acX_mean vs run
χ^2 / ndf 75.21 / 60
p0 −18.54 ± 23.01
pull
Entries 61
Mean 142
Std Dev 0

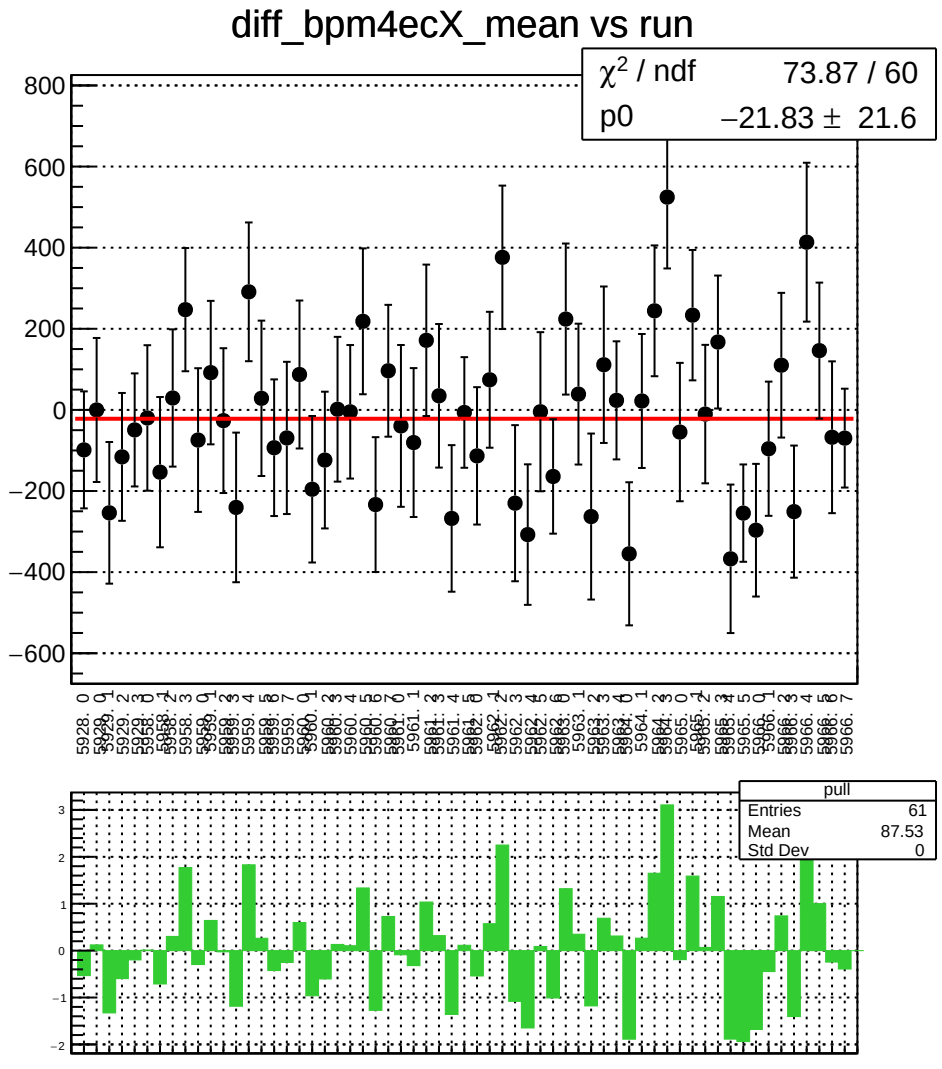

pull1D
Entries 61
Mean 0.008919
Std Dev 1.11

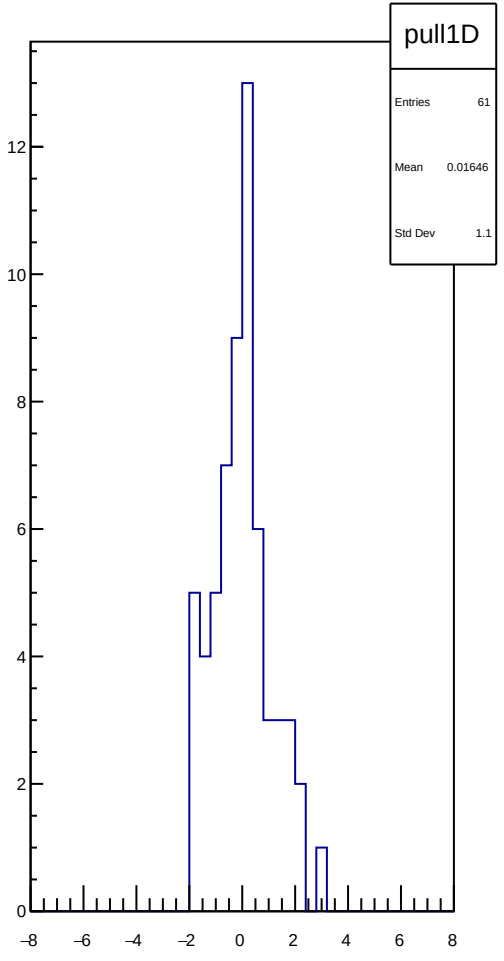

diff_bpm4acX_rms vs run
χ² / ndf 4895 / 60
p0 1.774e+04 ± 16.27
22000
21000
20000
19000
18000
17000
16000

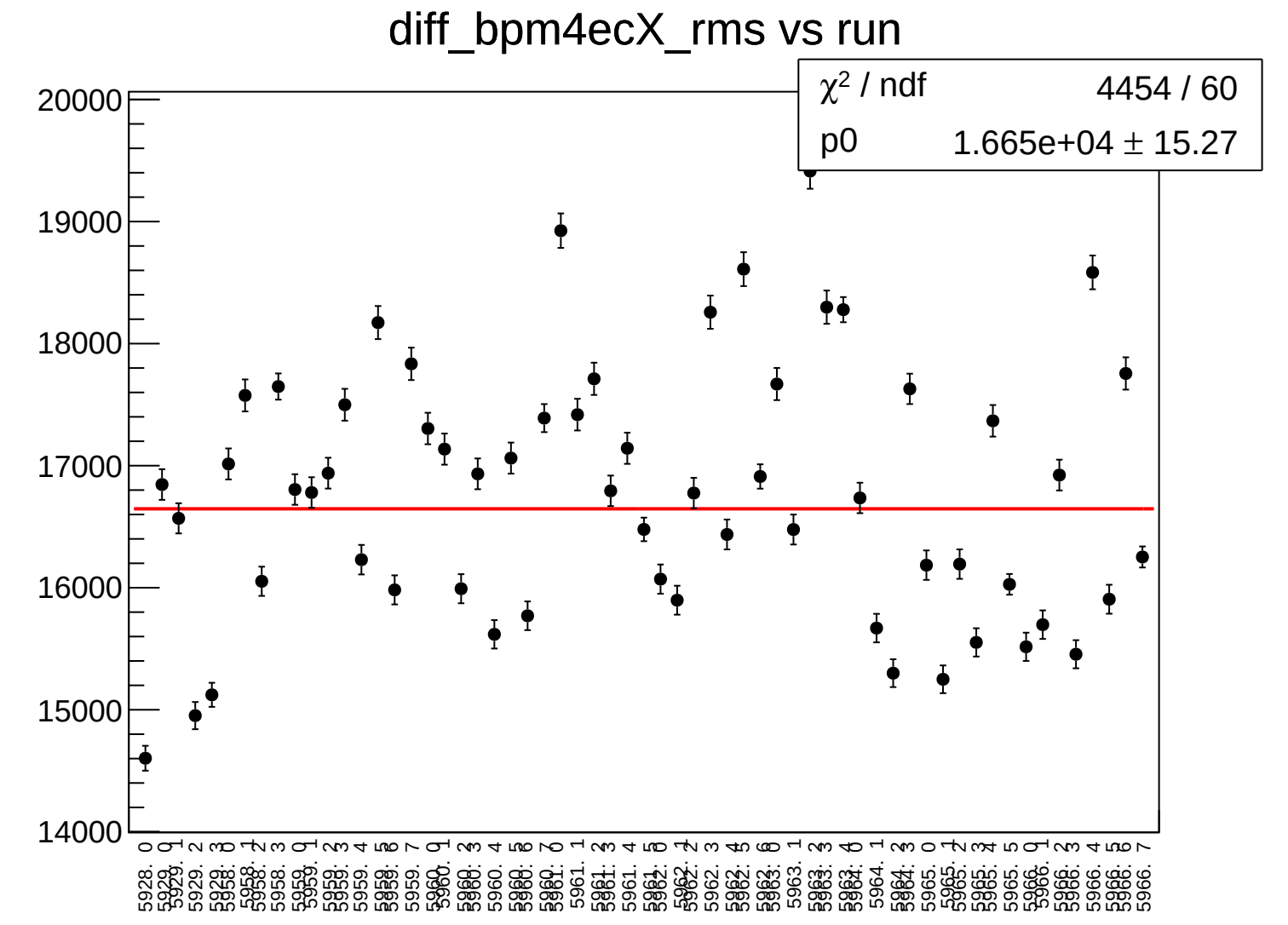

diff_bpm4acY_mean vs run
χ² / ndf 58.48 / 60
p0 −9.072 ± 11.87
pull
Entries 61
Mean 2473
Std Dev 0

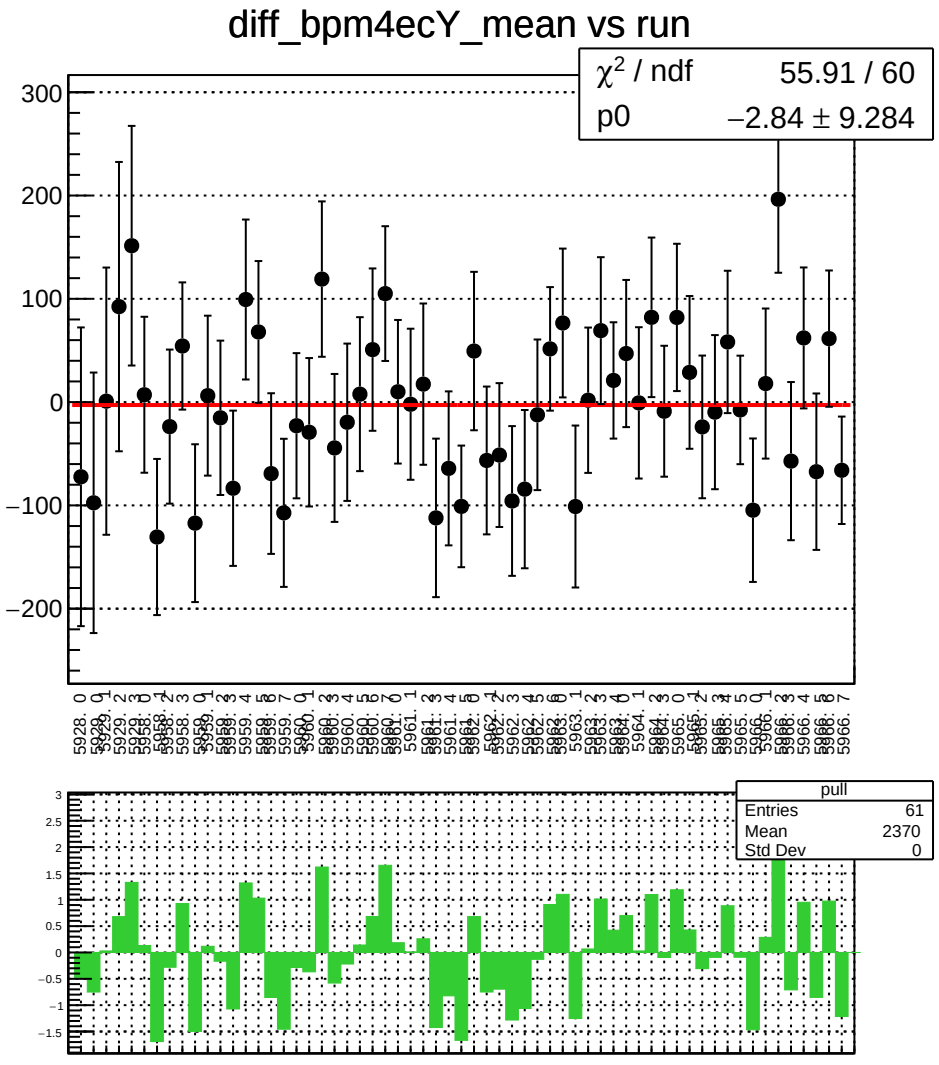

pull1D
Entries 61
Mean 0.000777
Std Dev 0.9791

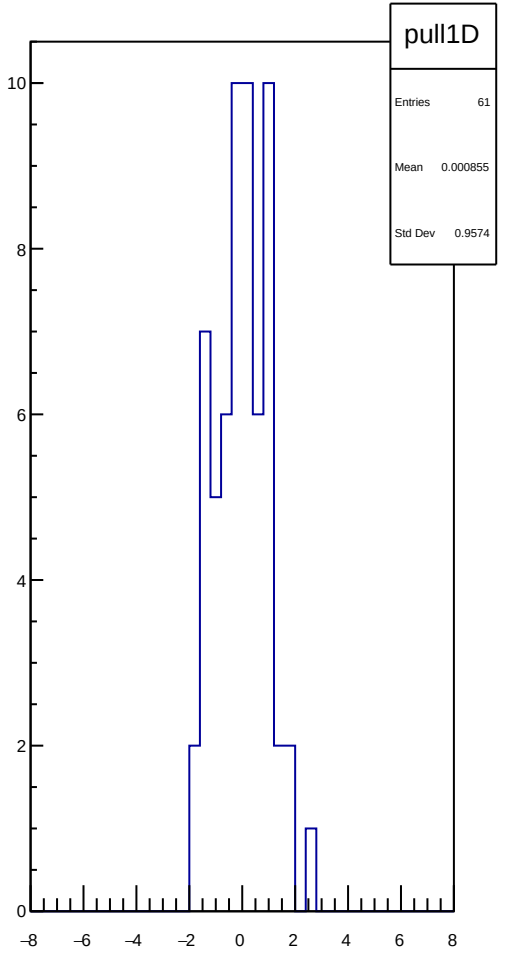

diff_bpm4acY_rms vs run
χ² / ndf 1.794e+04 / 60
p0 9095 ± 8.391
16000
14000
12000
10000
8000

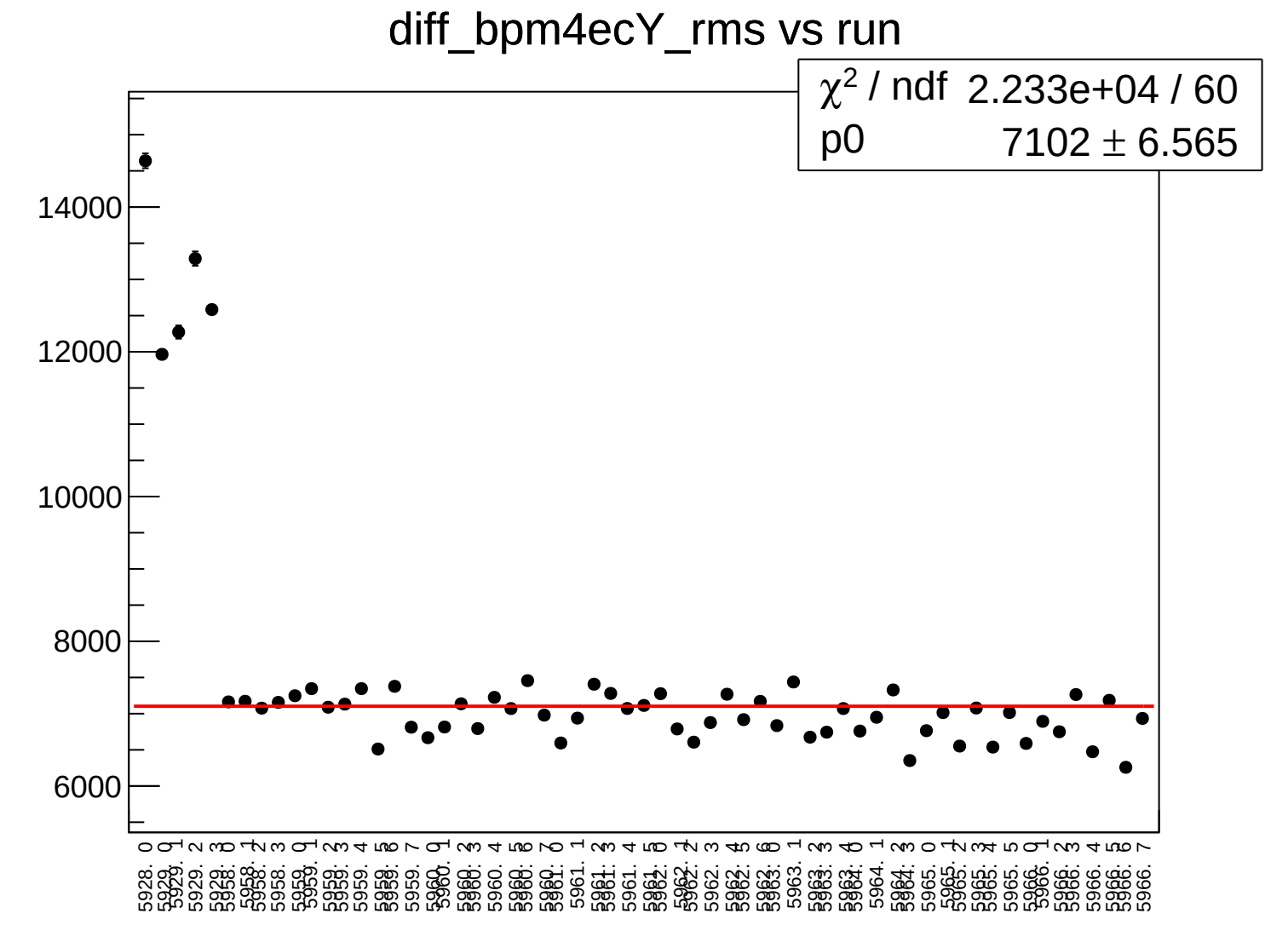

diff_bpm4ecX_mean vs run
χ² / ndf 73.87 / 60
p0 −21.83 ± 21.6
pull
Entries 61
Mean 87.53
Std Dev 0

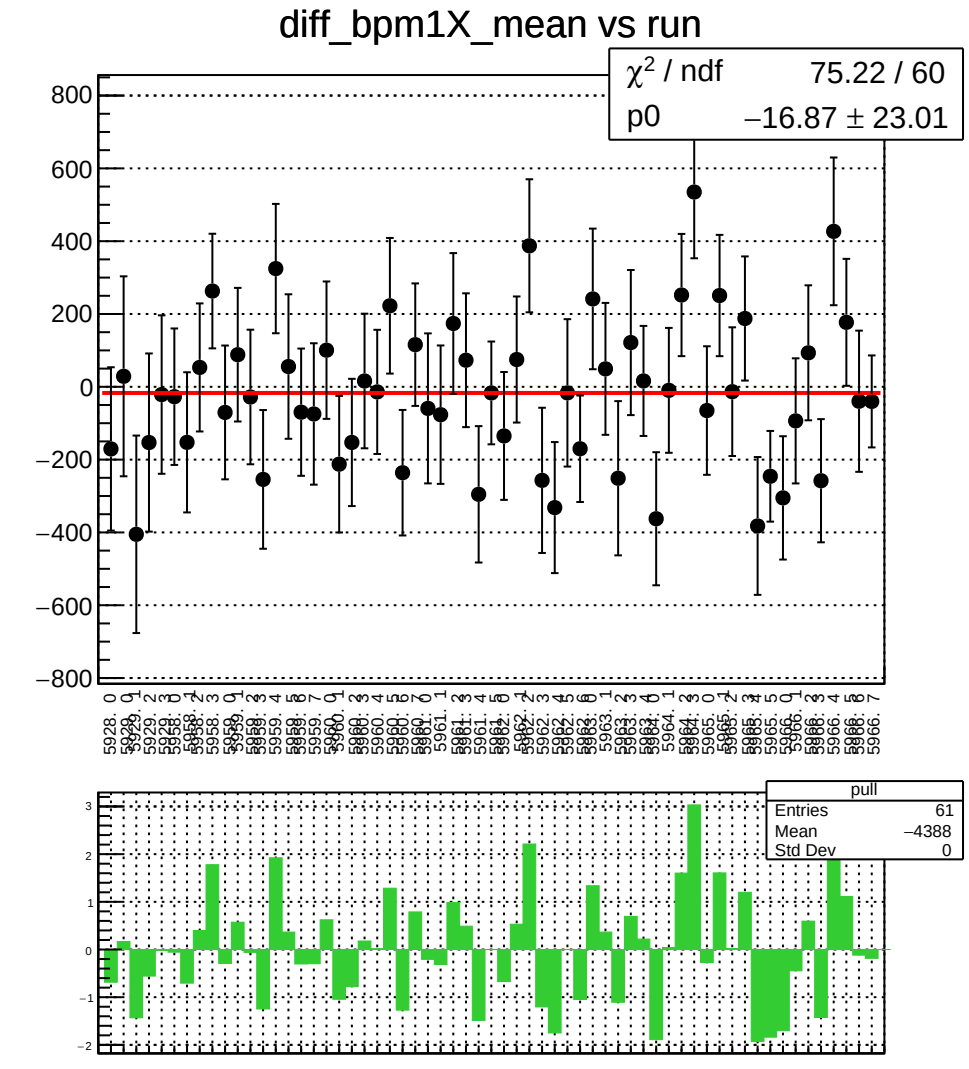

pull1D
Entries 61
Mean 0.01646
Std Dev 1.1

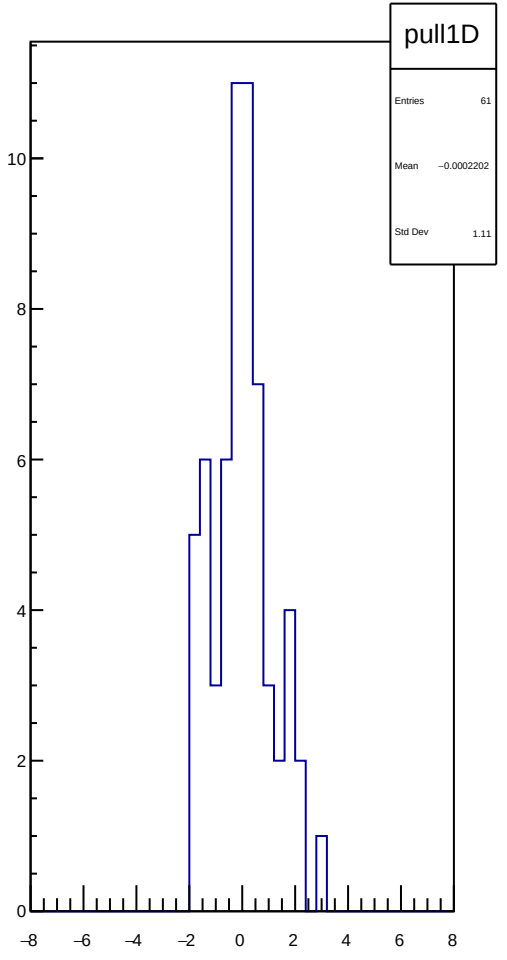

diff_bpm4ecX_rms vs run
χ² / ndf 4454 / 60
p0 1.665e+04 ± 15.27
20000
19000
18000
17000
16000
15000
14000

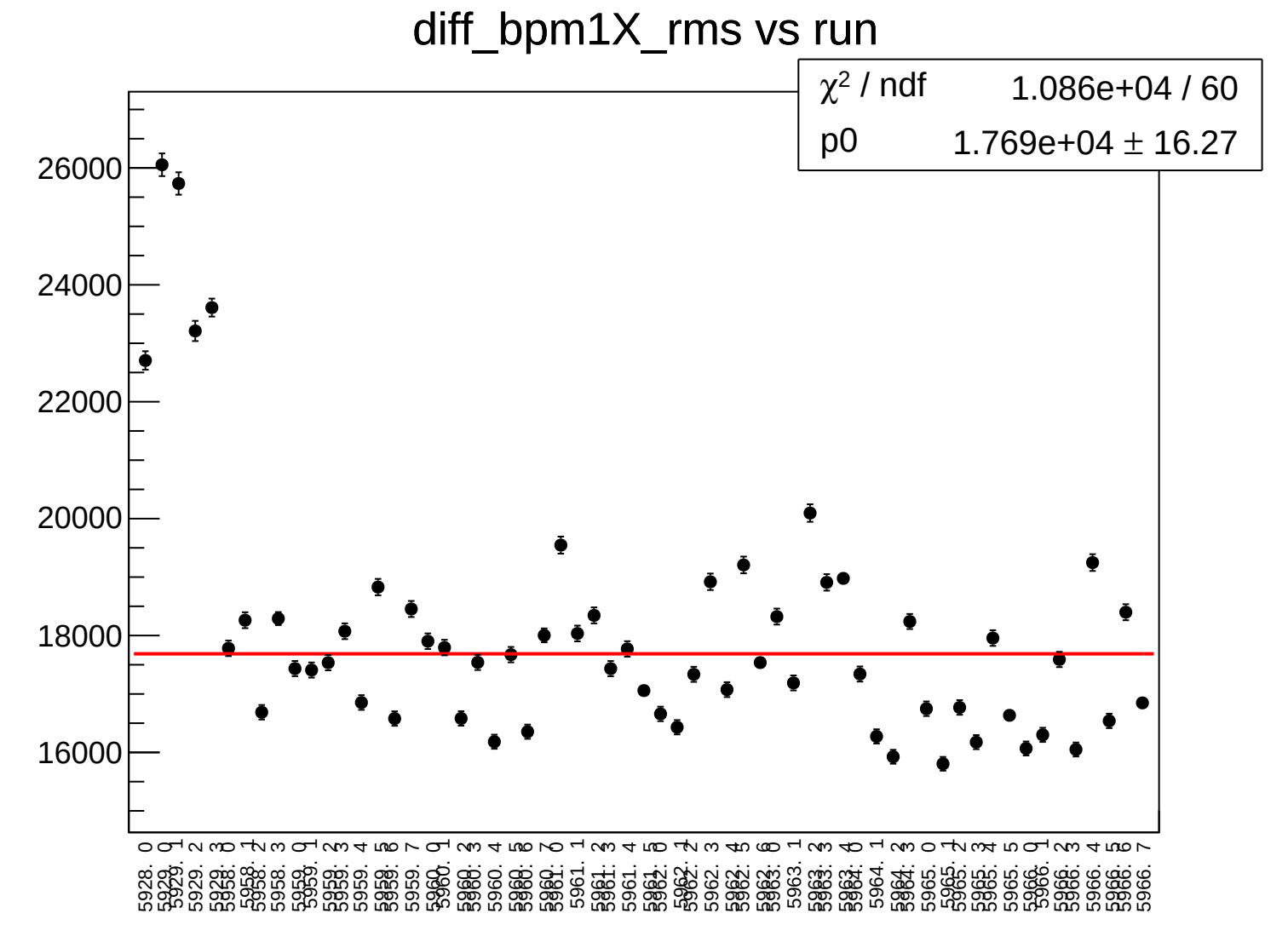

diff_bpm4ecY_mean vs run
χ² / ndf 55.91 / 60
p0 −2.84 ± 9.284
pull
Entries 61
Mean 2370
Std Dev 0

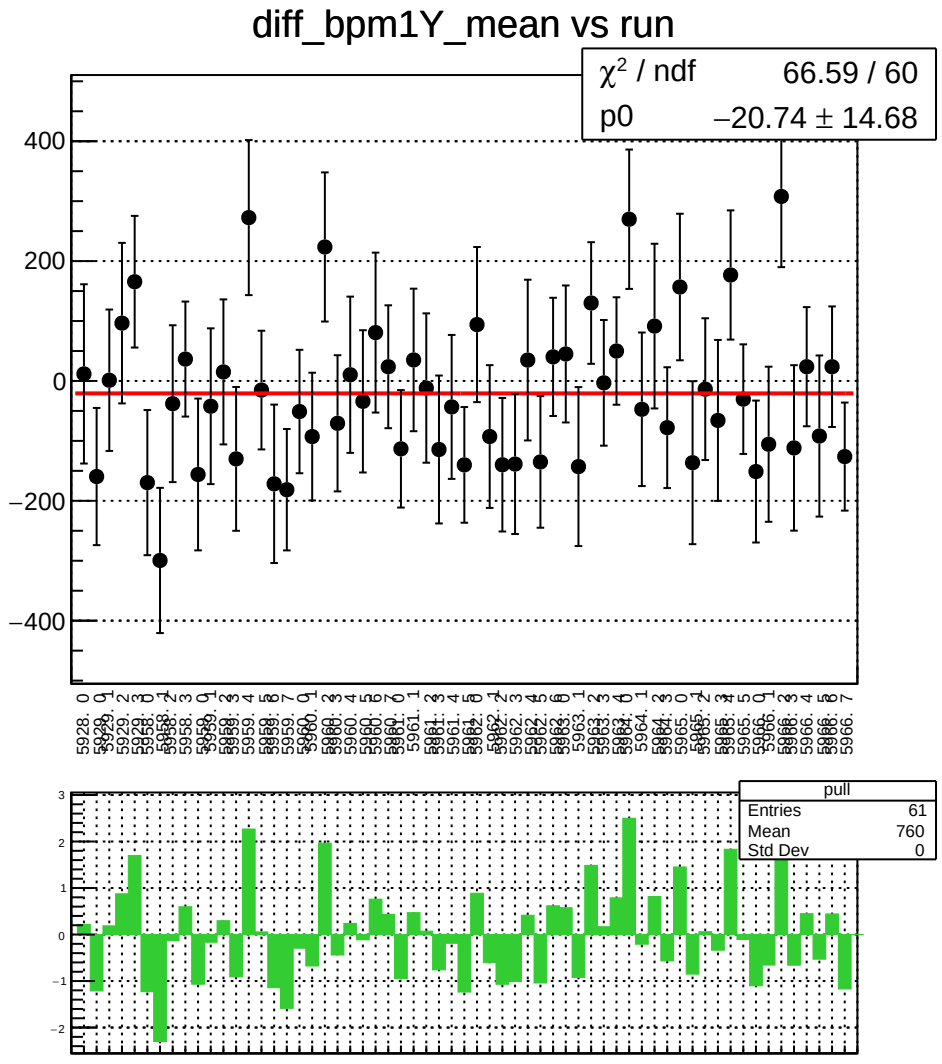

pull1D
Entries 61
Mean 0.000855
Std Dev 0.9574

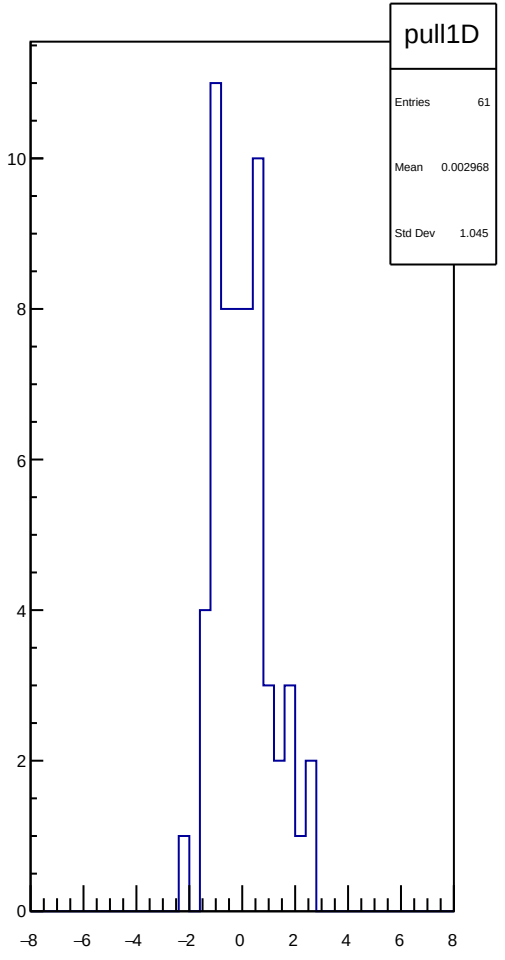

diff_bpm4ecY_rms vs run
χ² / ndf 2.233e+04 / 60
p0 7102 ± 6.565
14000
12000
10000
8000
6000

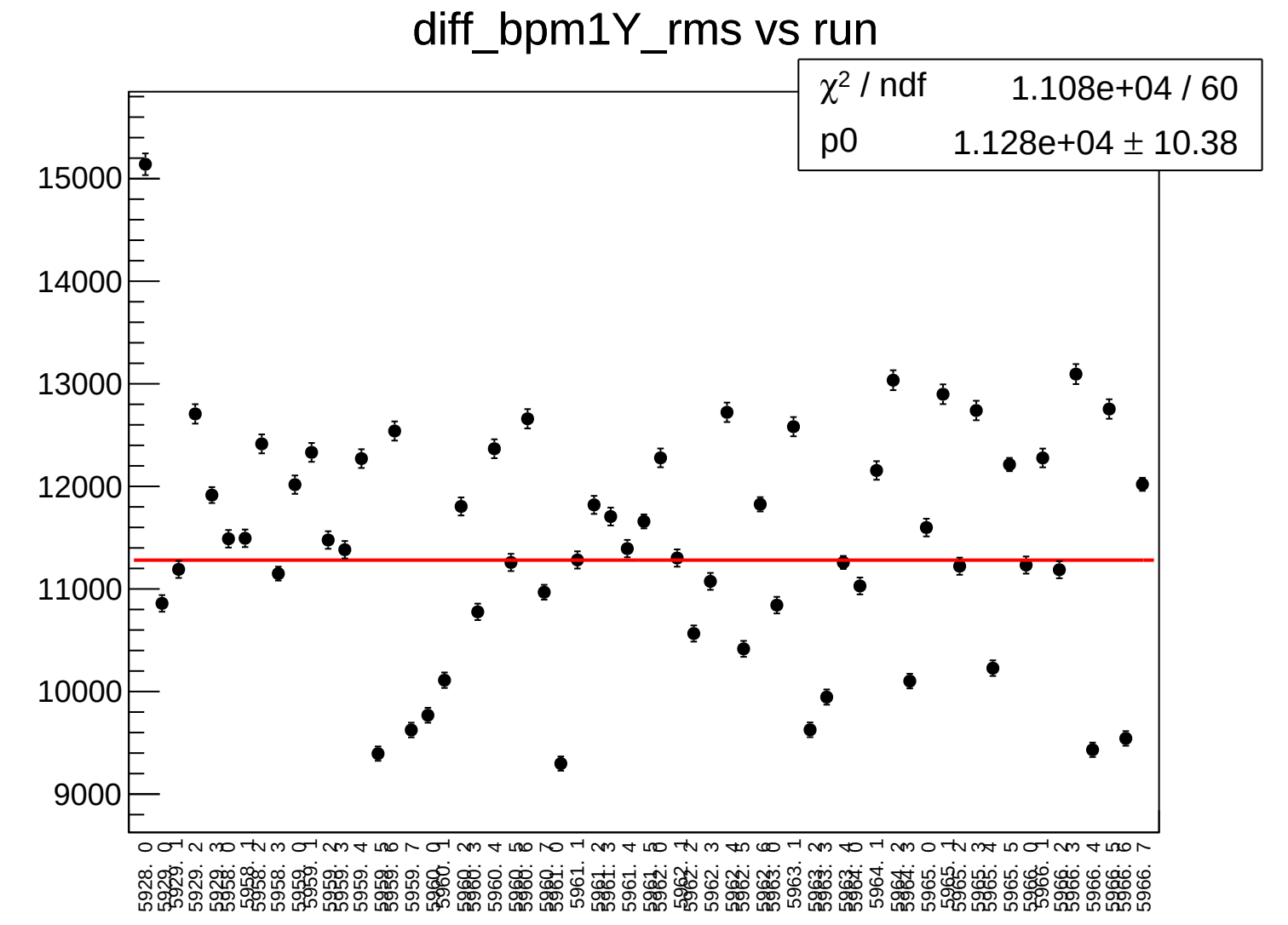

diff_bpm1X_mean vs run
χ² / ndf 75.22 / 60
p0 −16.87 ± 23.01
pull
Entries 61
Mean −4388
Std Dev 0

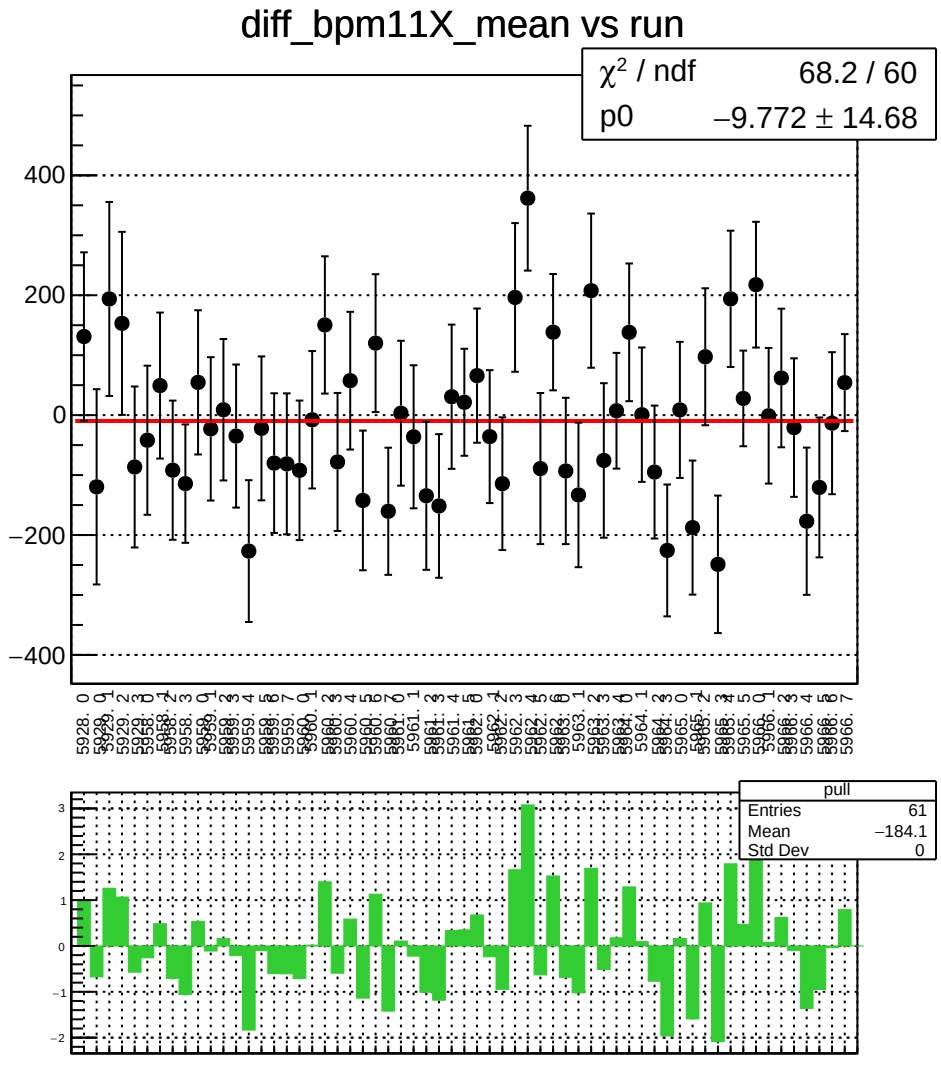

pull1D
Entries 61
Mean −0.0002202
Std Dev 1.11

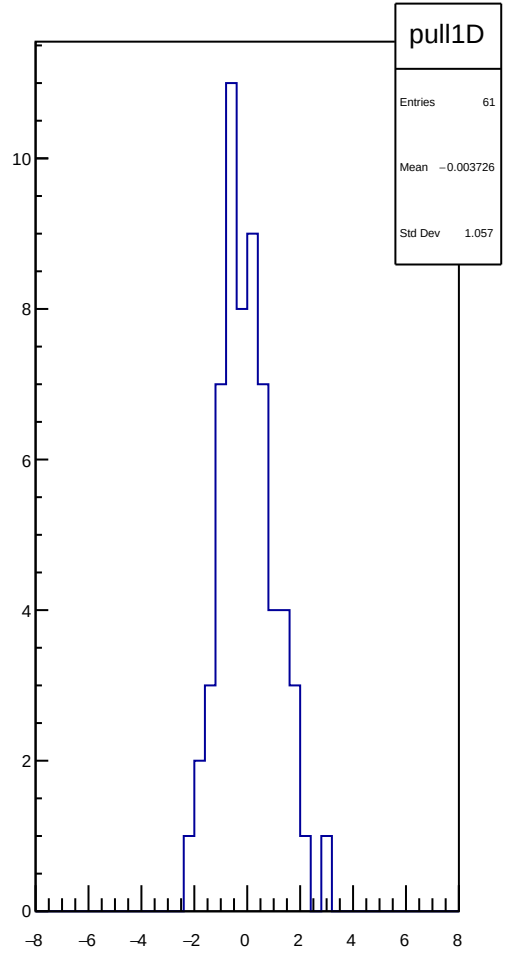

diff_bpm1X_rms vs run
χ² / ndf 1.086e+04 / 60
p0 1.769e+04 ± 16.27
26000
24000
22000
20000
18000
16000

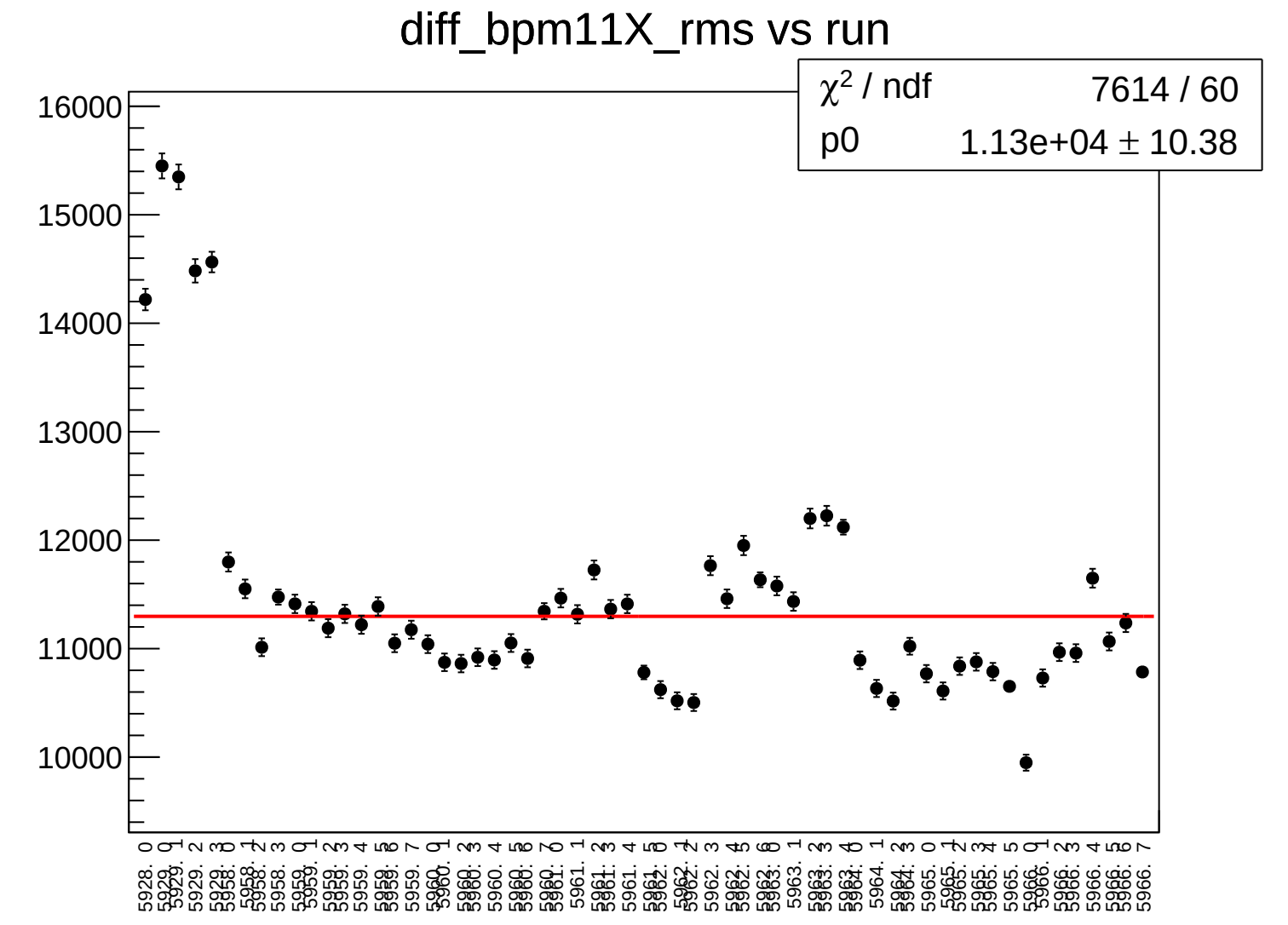

diff_bpm1Y_mean vs run
χ² / ndf 66.59 / 60
p0 −20.74 ± 14.68
400
200
0
−200
−400
pull
Entries 61
Mean 760
Std Dev 0
3
2
1
0
−1
−2

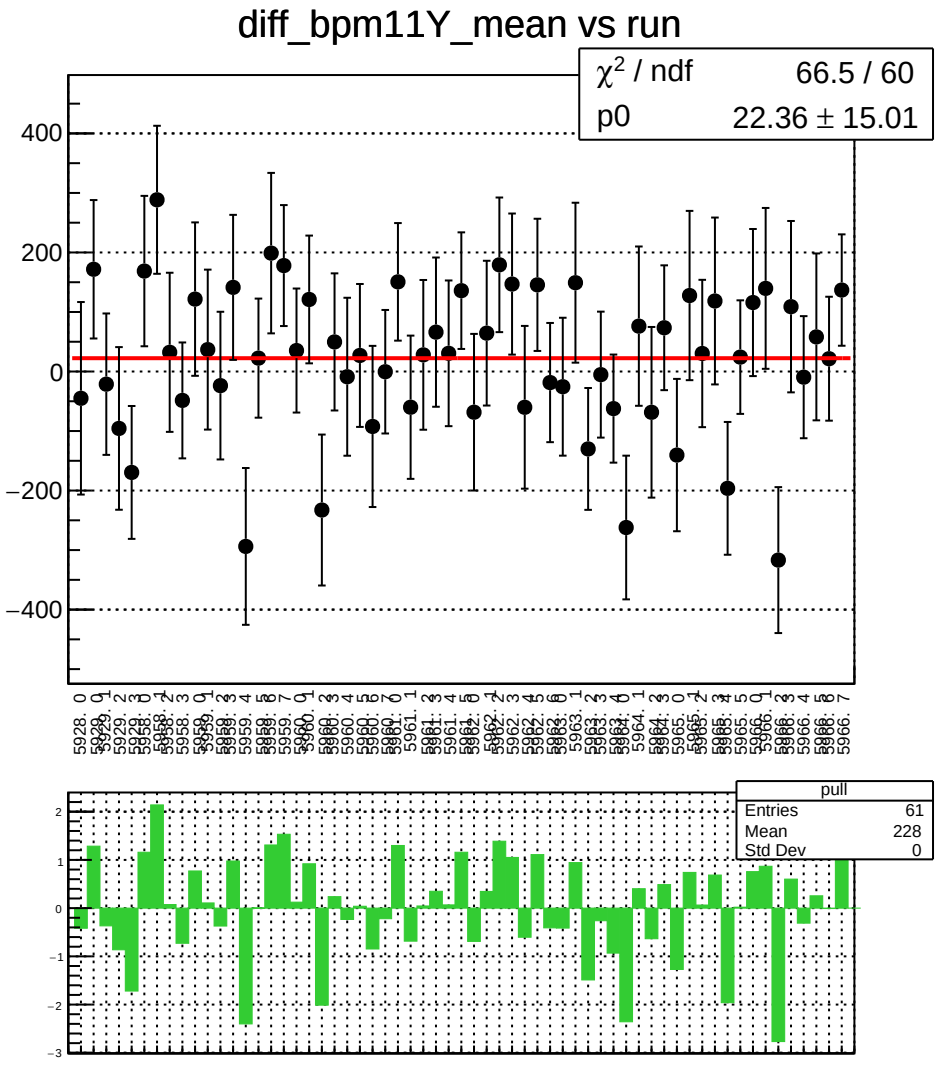

pull1D
Entries 61
Mean 0.002968
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

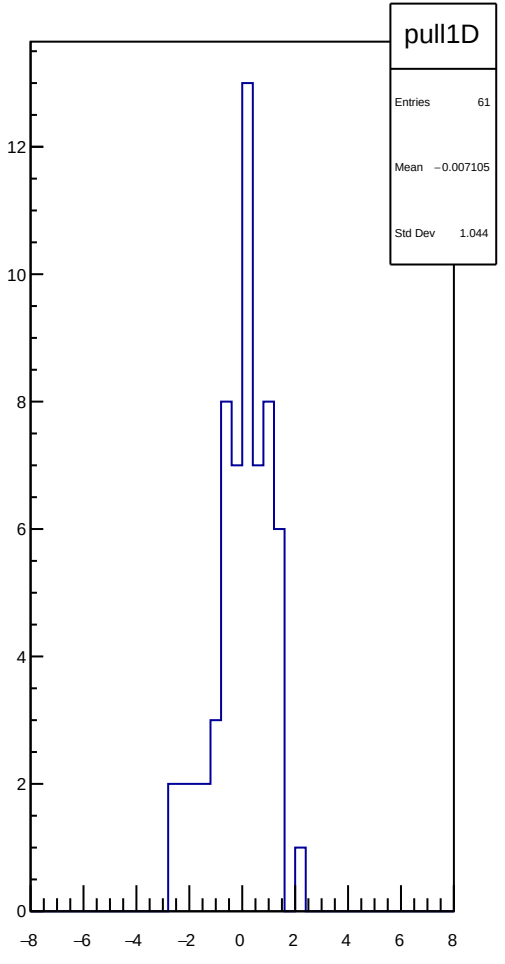

diff_bpm1Y_rms vs run
χ² / ndf 1.108e+04 / 60
p0 1.128e+04 ± 10.38
15000
14000
13000
12000
11000
10000
9000

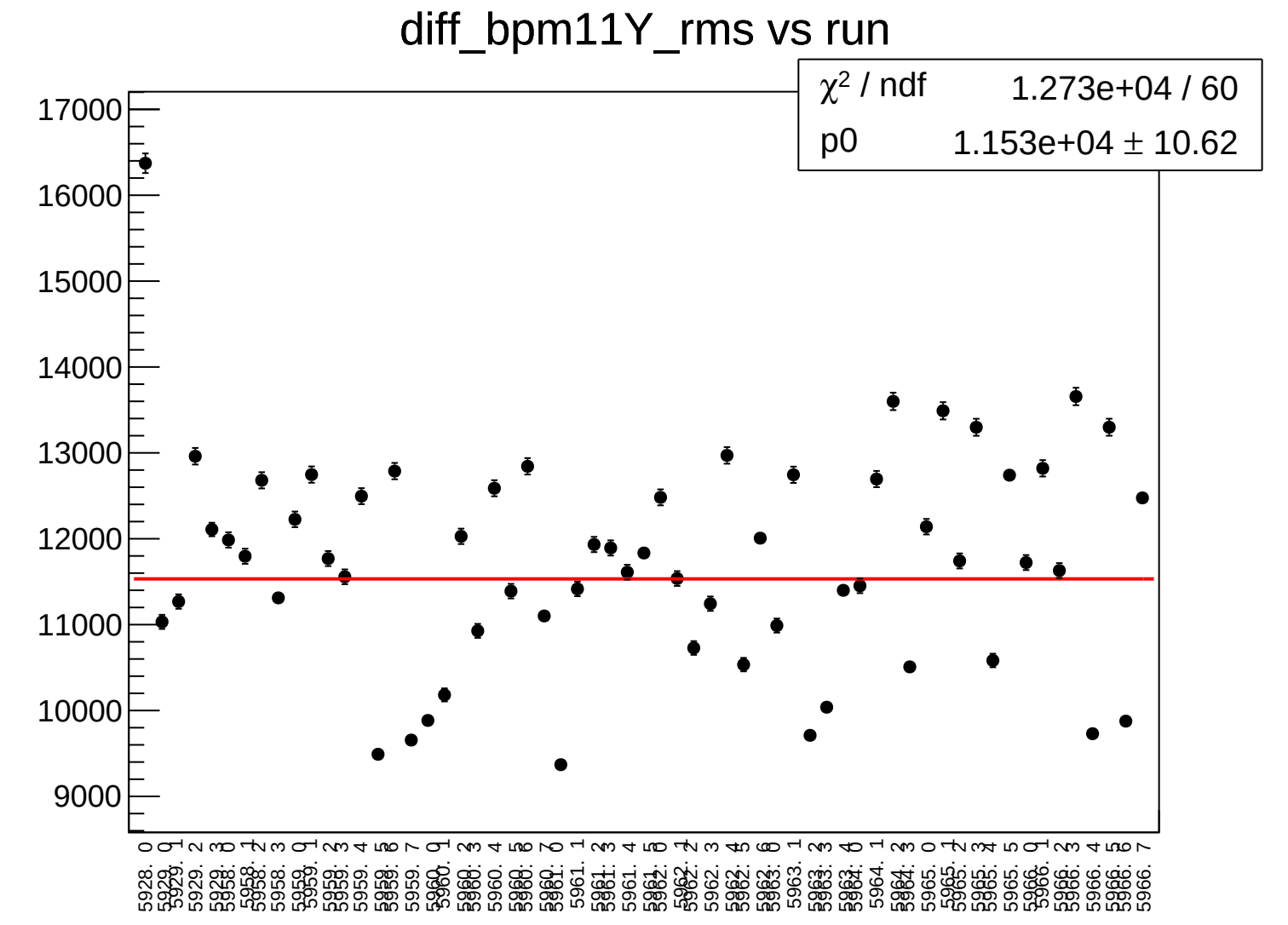

diff_bpm11X_mean vs run
χ² / ndf 68.2 / 60
p0 −9.772 ± 14.68
400
200
0
−200
−400
pull
Entries 61
Mean −184.1
Std Dev 0
3
2
1
0
−1
−2

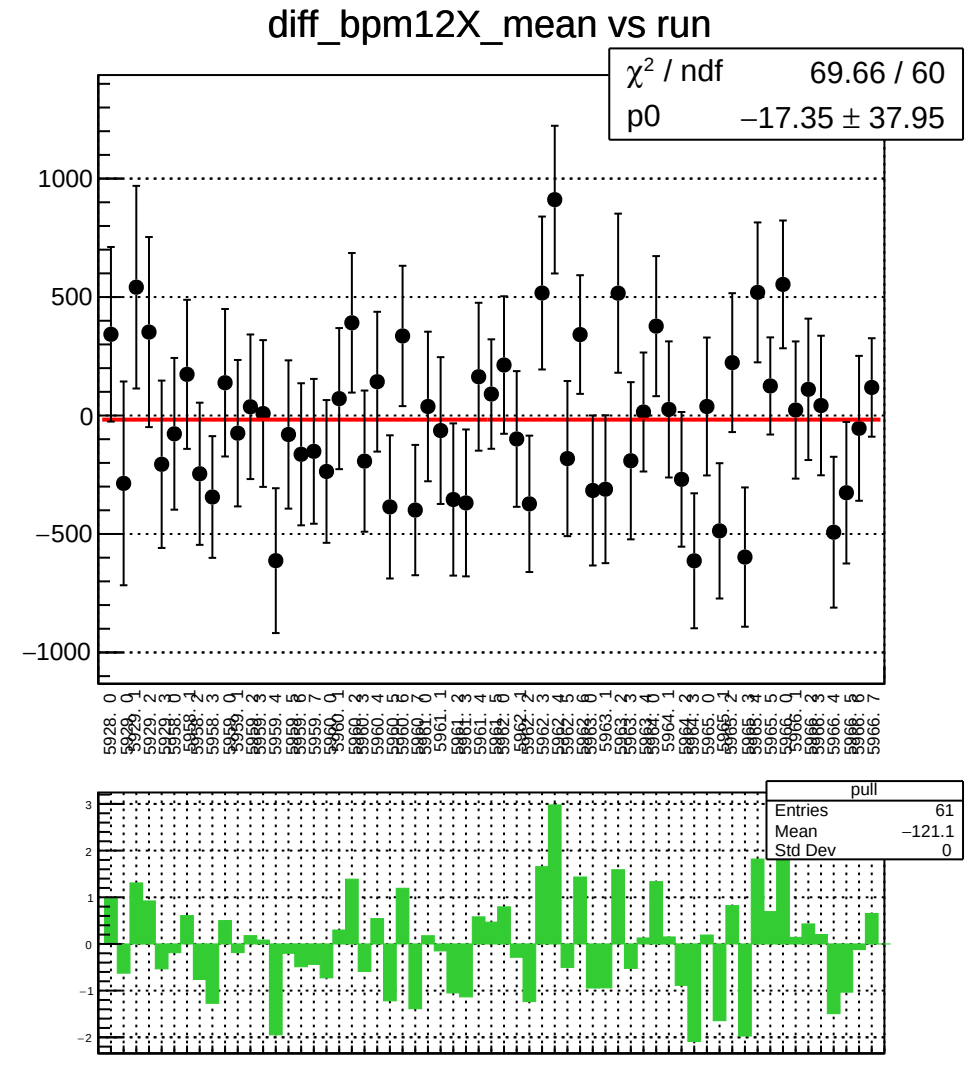

pull1D
Entries 61
Mean −0.003726
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

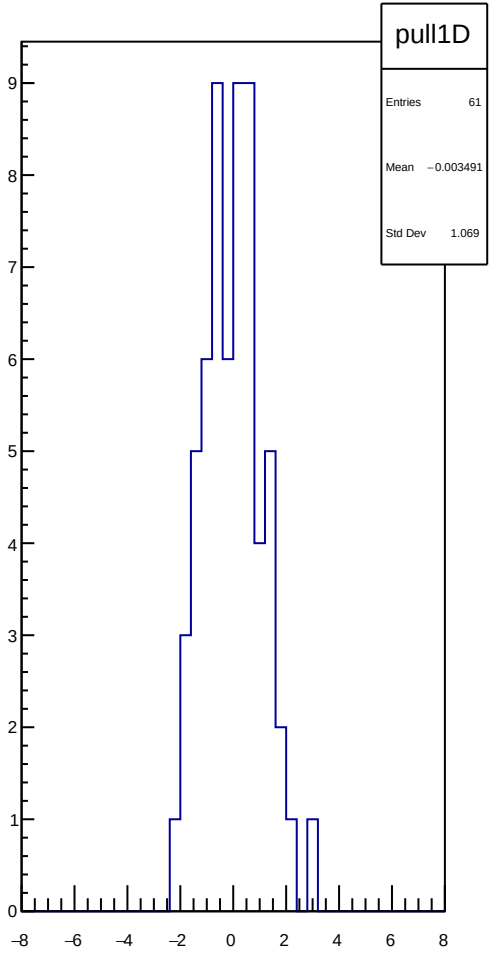

diff_bpm11X_rms vs run
χ² / ndf 7614 / 60
p0 1.13e+04 ± 10.38
16000
15000
14000
13000
12000
11000
10000

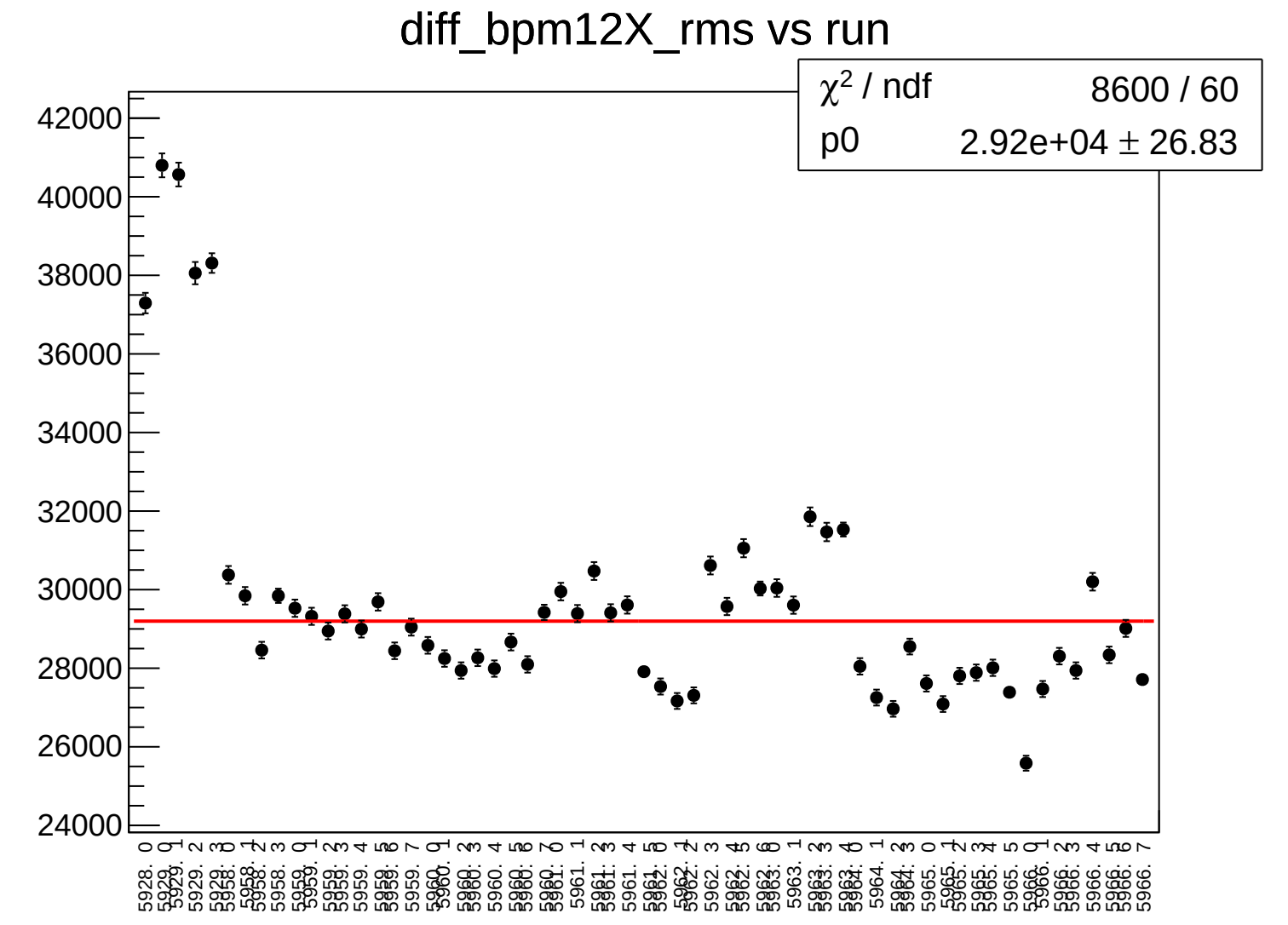

diff_bpm11Y_mean vs run
χ^2 / ndf 66.5 / 60
p0 22.36 ± 15.01
400
200
0
−200
−400
pull
Entries 61
Mean 228
Std Dev 0
2
1
0
−1
−2
−3

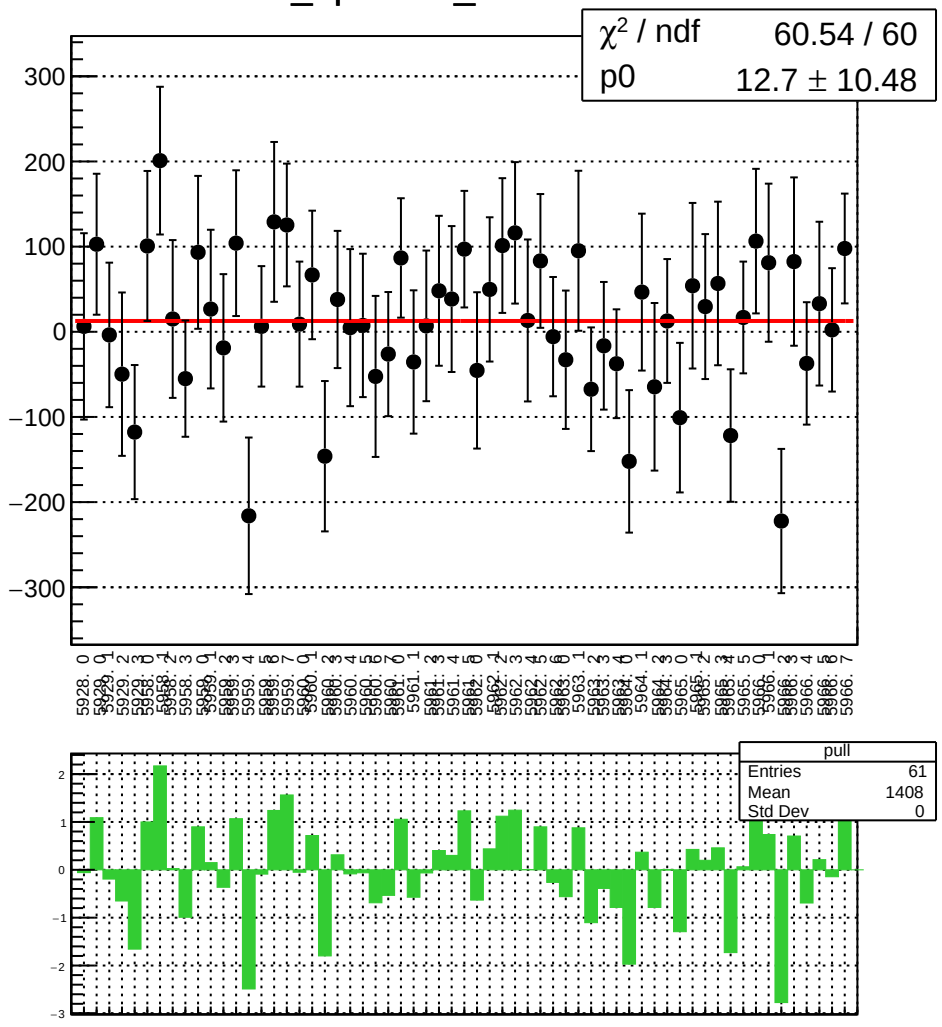

pull1D
Entries 61
Mean −0.007105
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

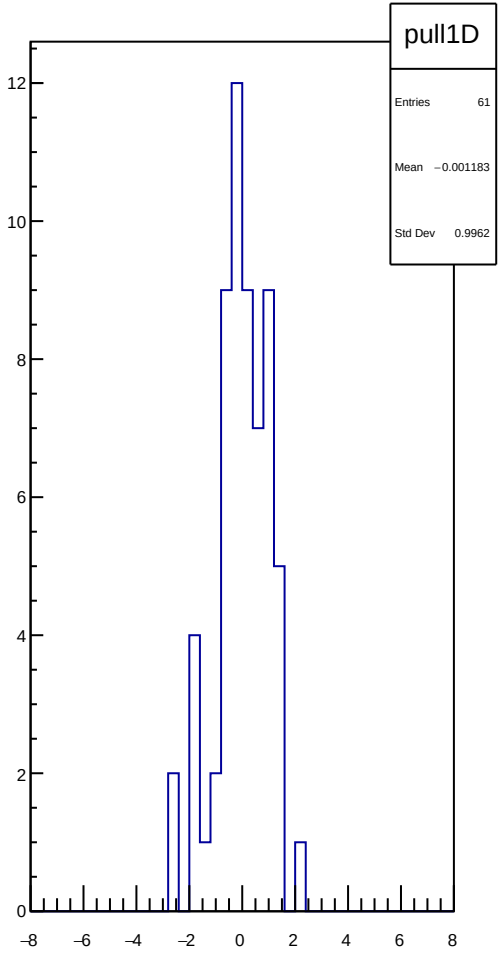

diff_bpm11Y_rms vs run
χ² / ndf 1.273e+04 / 60
p0 1.153e+04 ± 10.62
17000
16000
15000
14000
13000
12000
11000
10000
9000

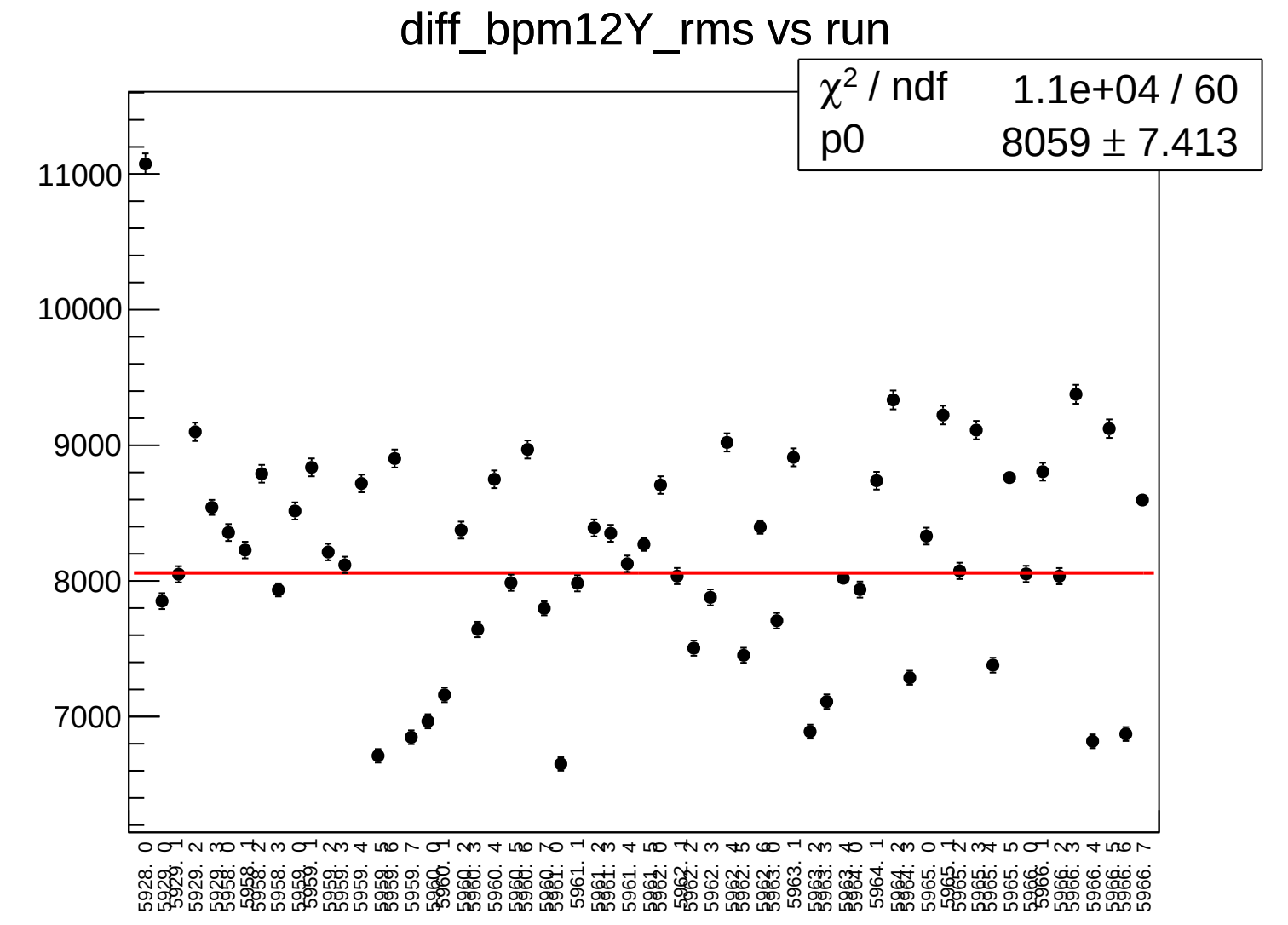

diff_bpm12X_mean vs run
χ² / ndf 69.66 / 60
p0 −17.35 ± 37.95
1000
500
0
−500
−1000
pull
Entries 61
Mean −121.1
Std Dev 0
3
2
1
0
−1
−2

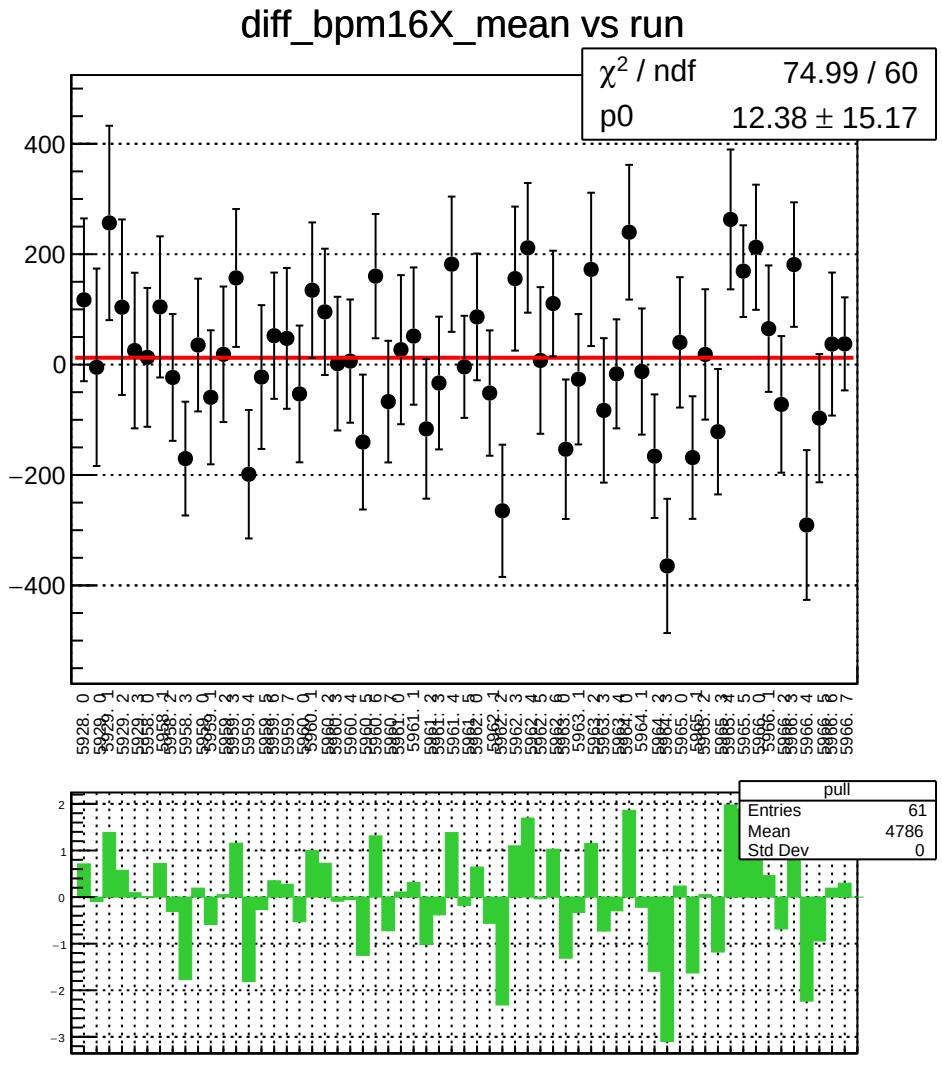

pull1D
Entries 61
Mean −0.003491
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

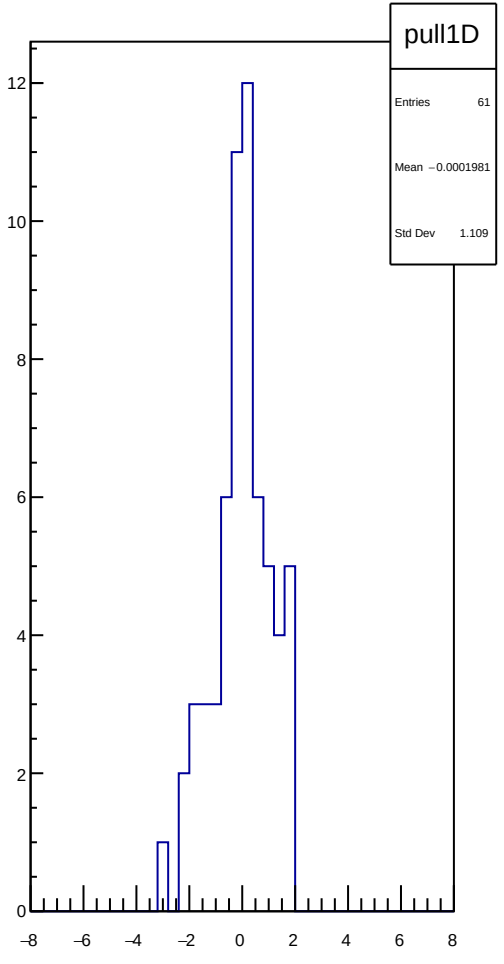

diff_bpm12X_rms vs run
χ² / ndf 8600 / 60
p0 2.92e+04 ± 26.83
42000
40000
38000
36000
34000
32000
30000
28000
26000
24000

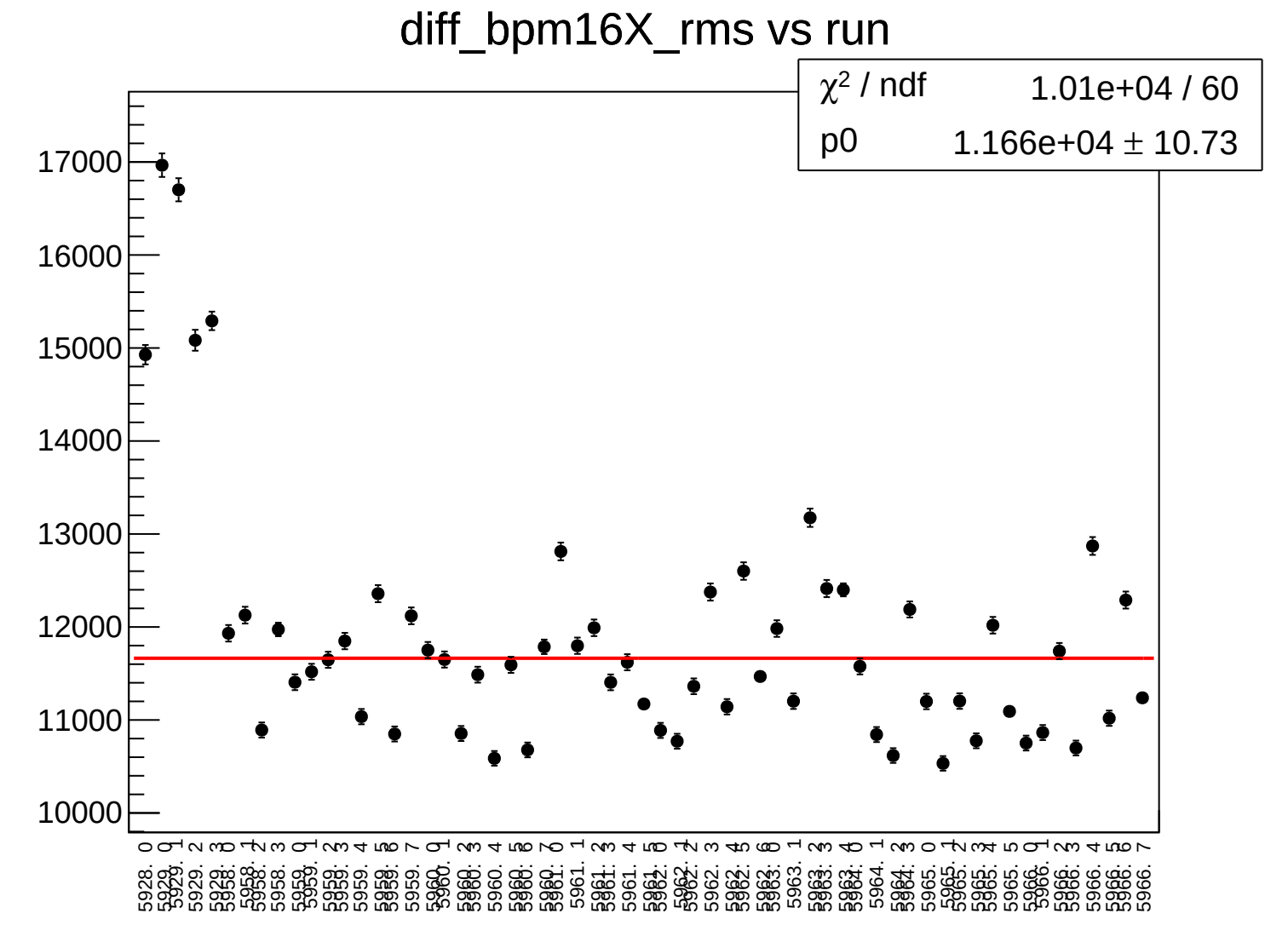

diff_bpm12Y_mean vs run
χ² / ndf 60.54 / 60
p0 12.7 ± 10.48
pull
Entries 61
Mean 1408
Std Dev 0

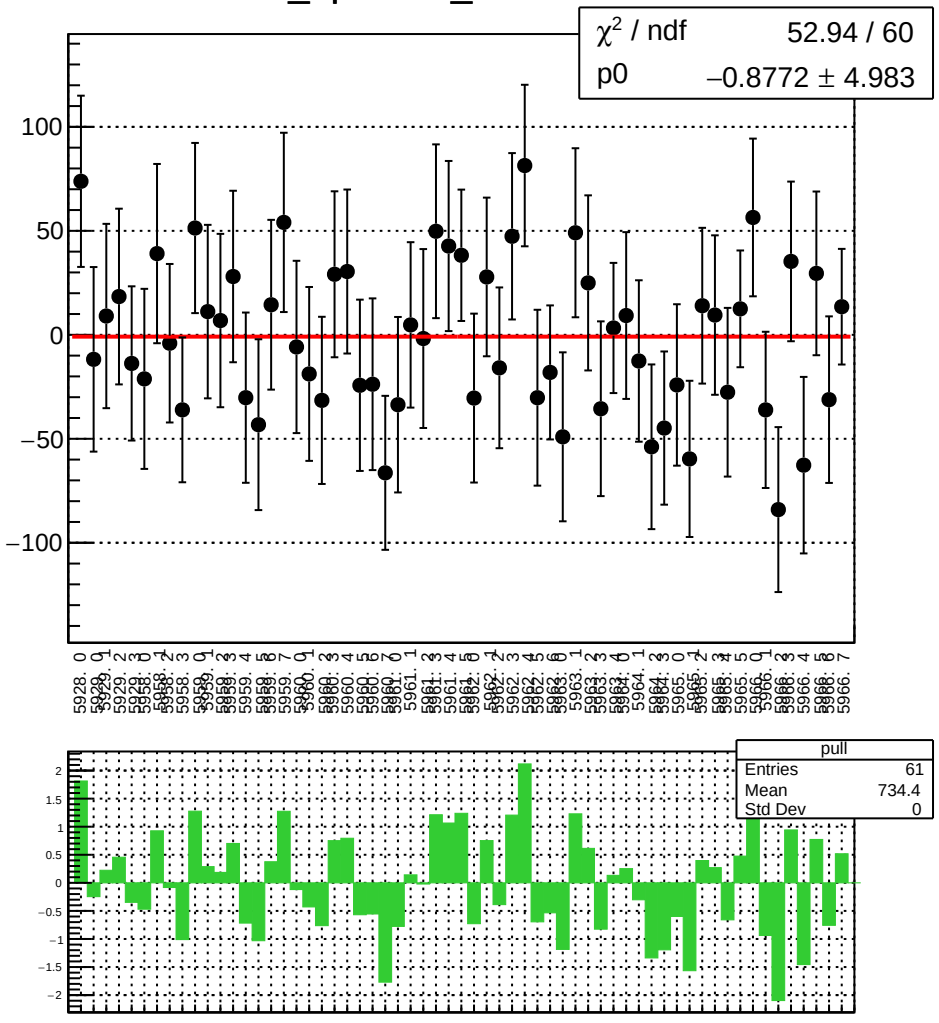

pull1D
Entries 61
Mean −0.001183
Std Dev 0.9962

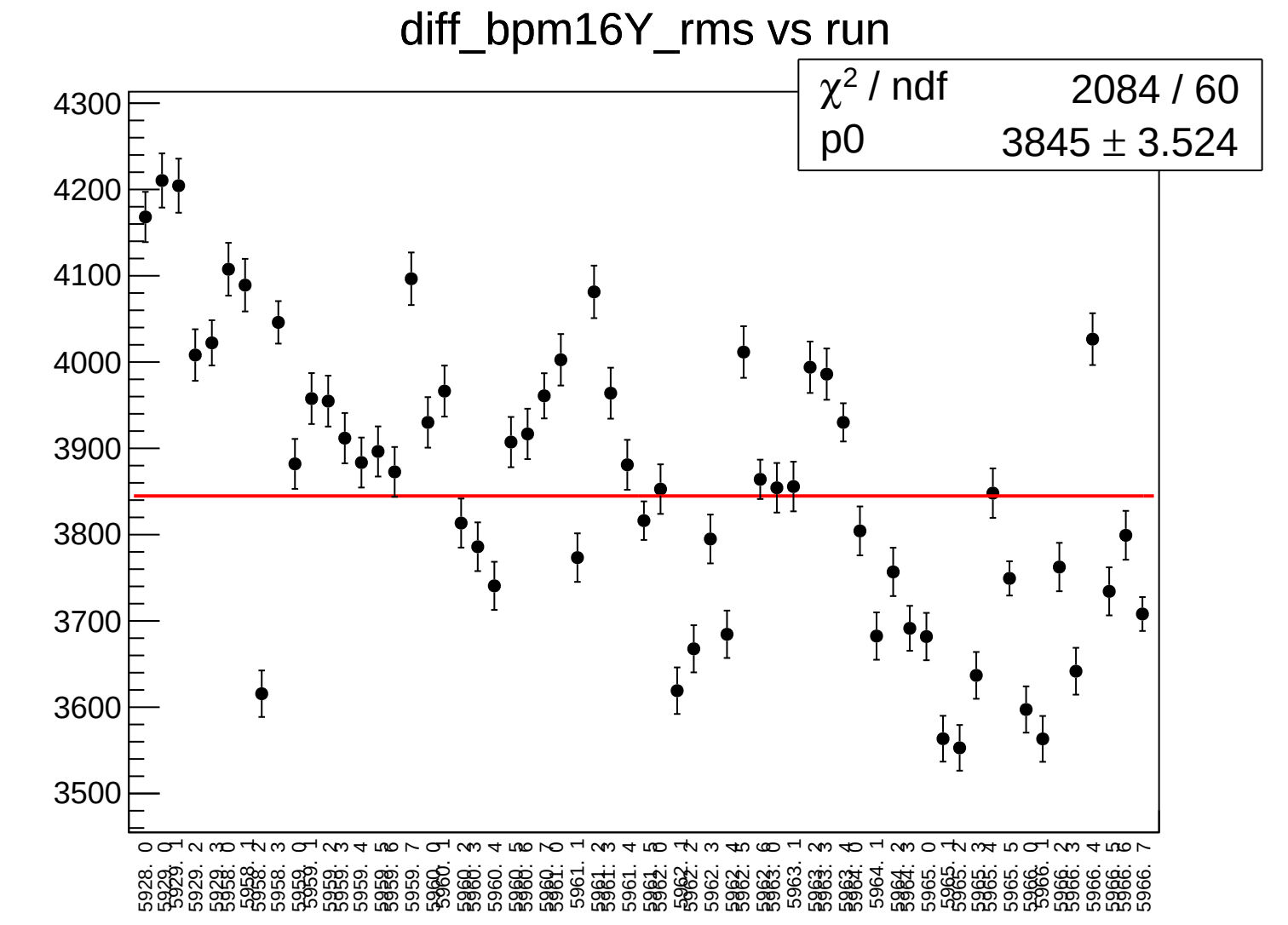

diff_bpm12Y_rms vs run
χ² / ndf 1.1e+04 / 60
p0 8059 ± 7.413
11000
10000
9000
8000
7000

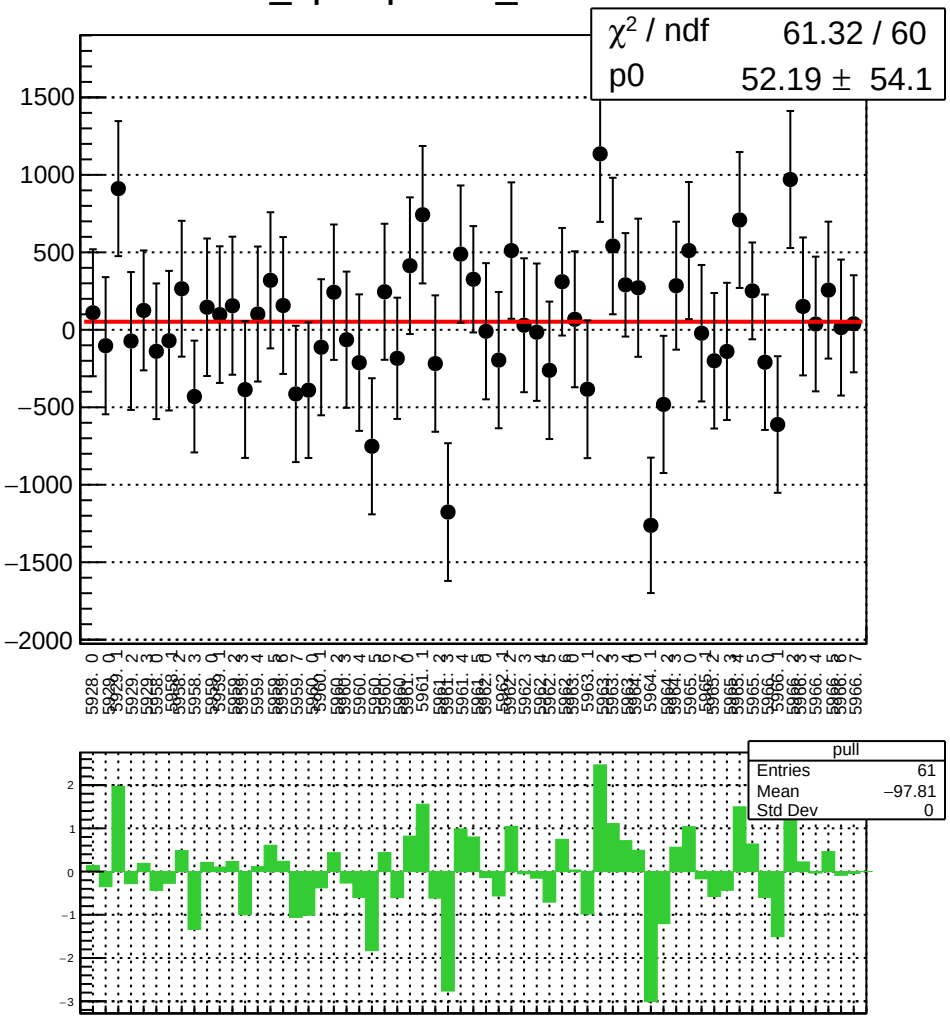

diff_bpm16X_mean vs run
χ^2 / ndf 74.99 / 60
p0 12.38 ± 15.17
400
200
0
−200
−400
pull
Entries 61
Mean 4786
Std Dev 0
2
1
0
−1
−2
−3

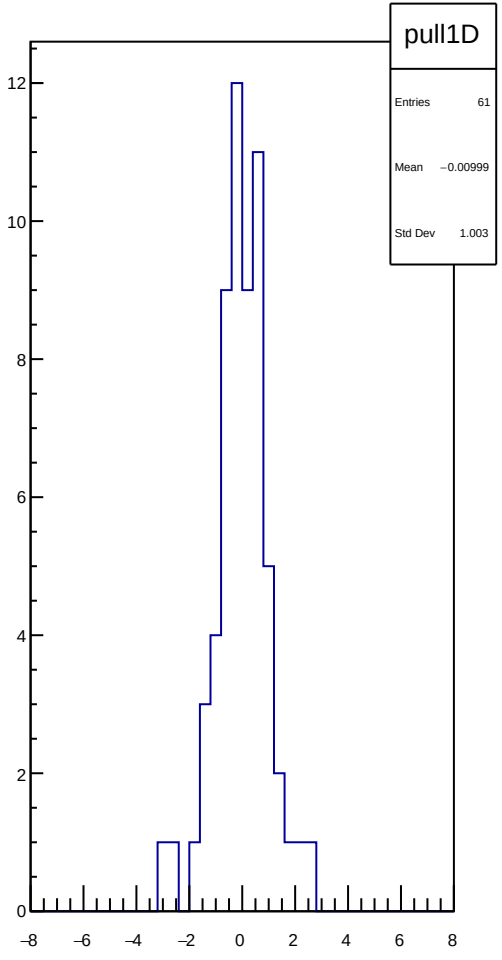

pull1D
Entries 61
Mean −0.0001981
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

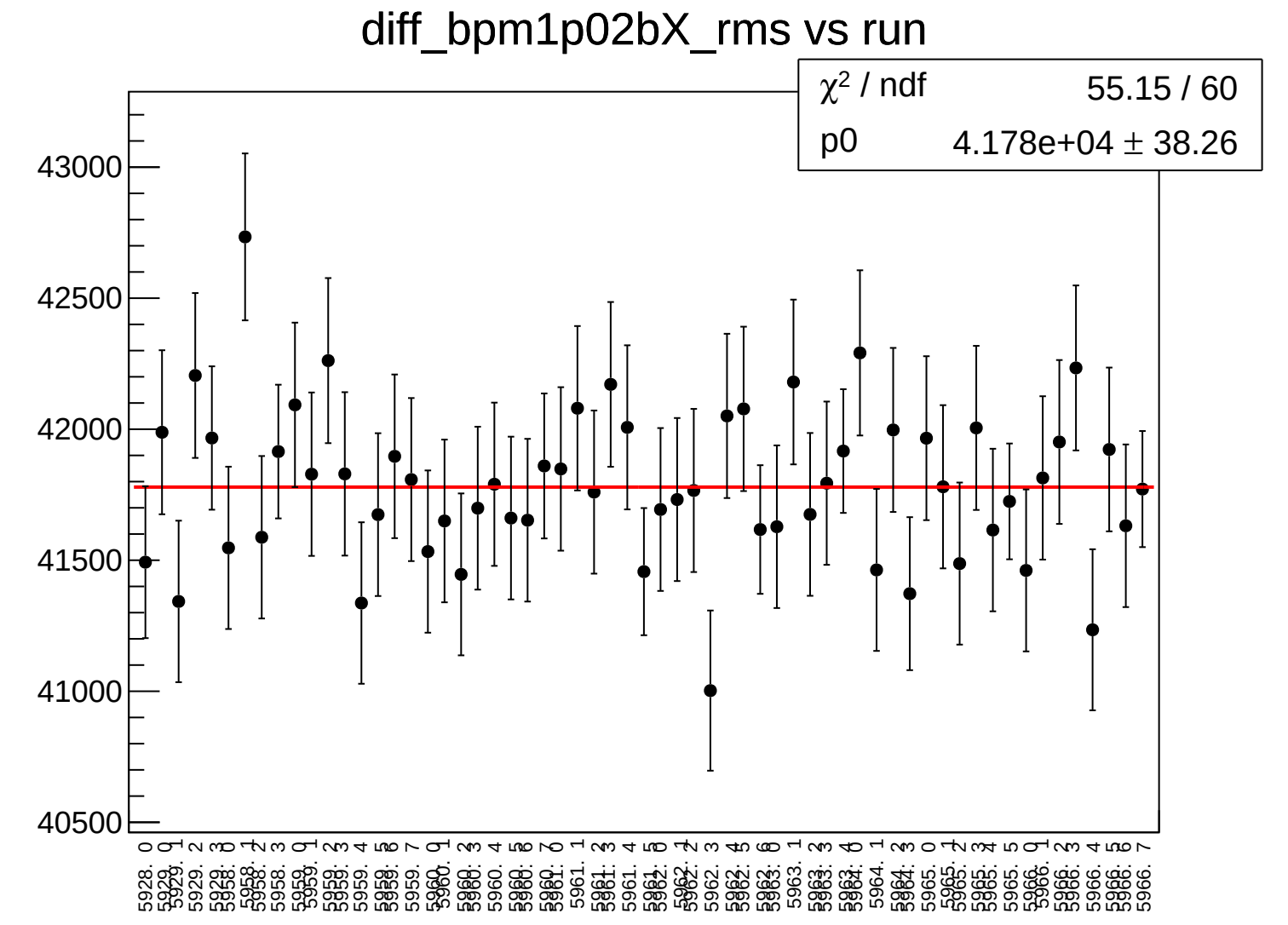

diff_bpm16X_rms vs run
χ² / ndf 1.01e+04 / 60
p0 1.166e+04 ± 10.73
17000
16000
15000
14000
13000
12000
11000
10000

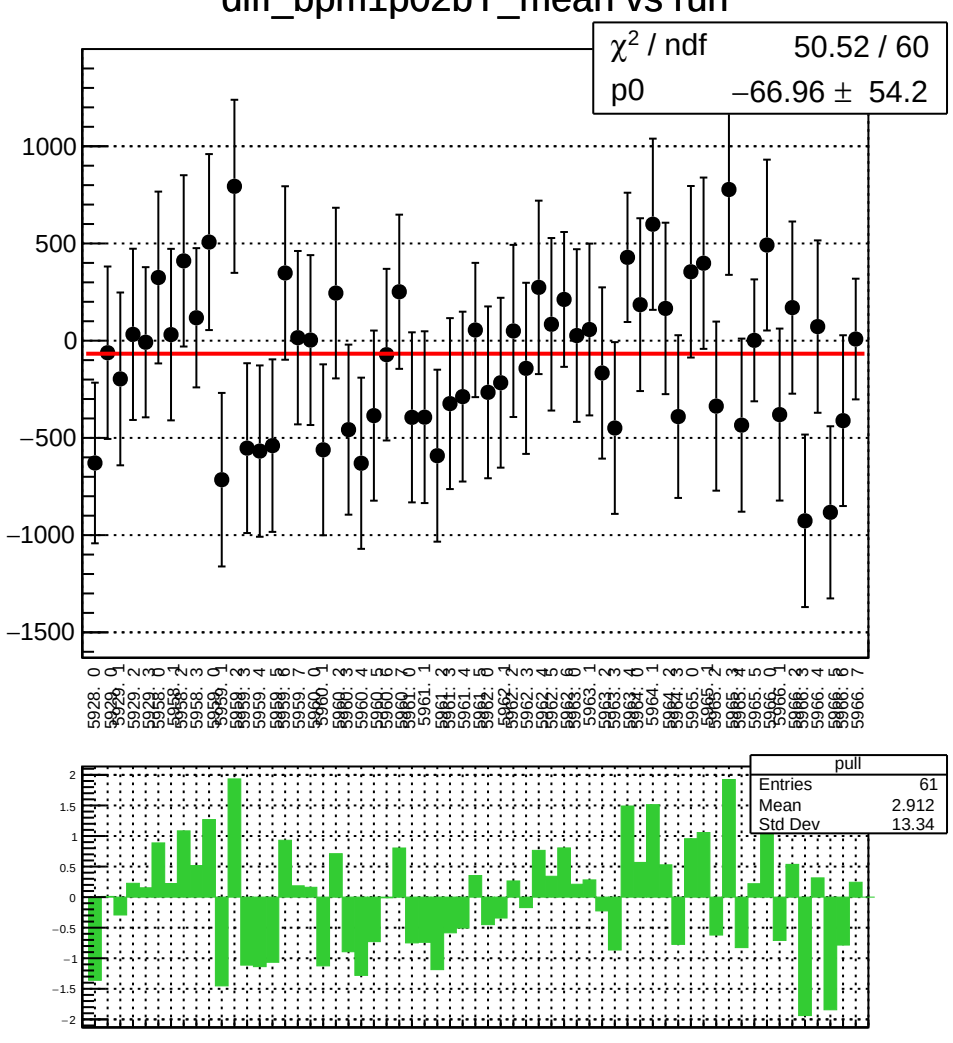

diff_bpm16Y_mean vs run
χ² / ndf 52.94 / 60
p0 −0.8772 ± 4.983
pull
Entries 61
Mean 734.4
Std Dev 0
pull1D
Entries 61
Mean −0.003927
Std Dev 0.9316

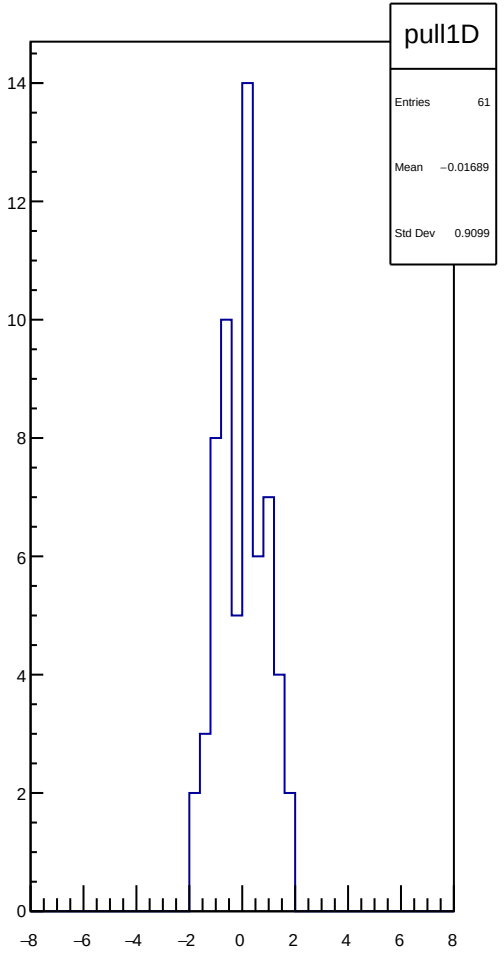

diff_bpm16Y_rms vs run
χ² / ndf 2084 / 60
p0 3845 ± 3.524
4300
4200
4100
4000
3900
3800
3700
3600
3500

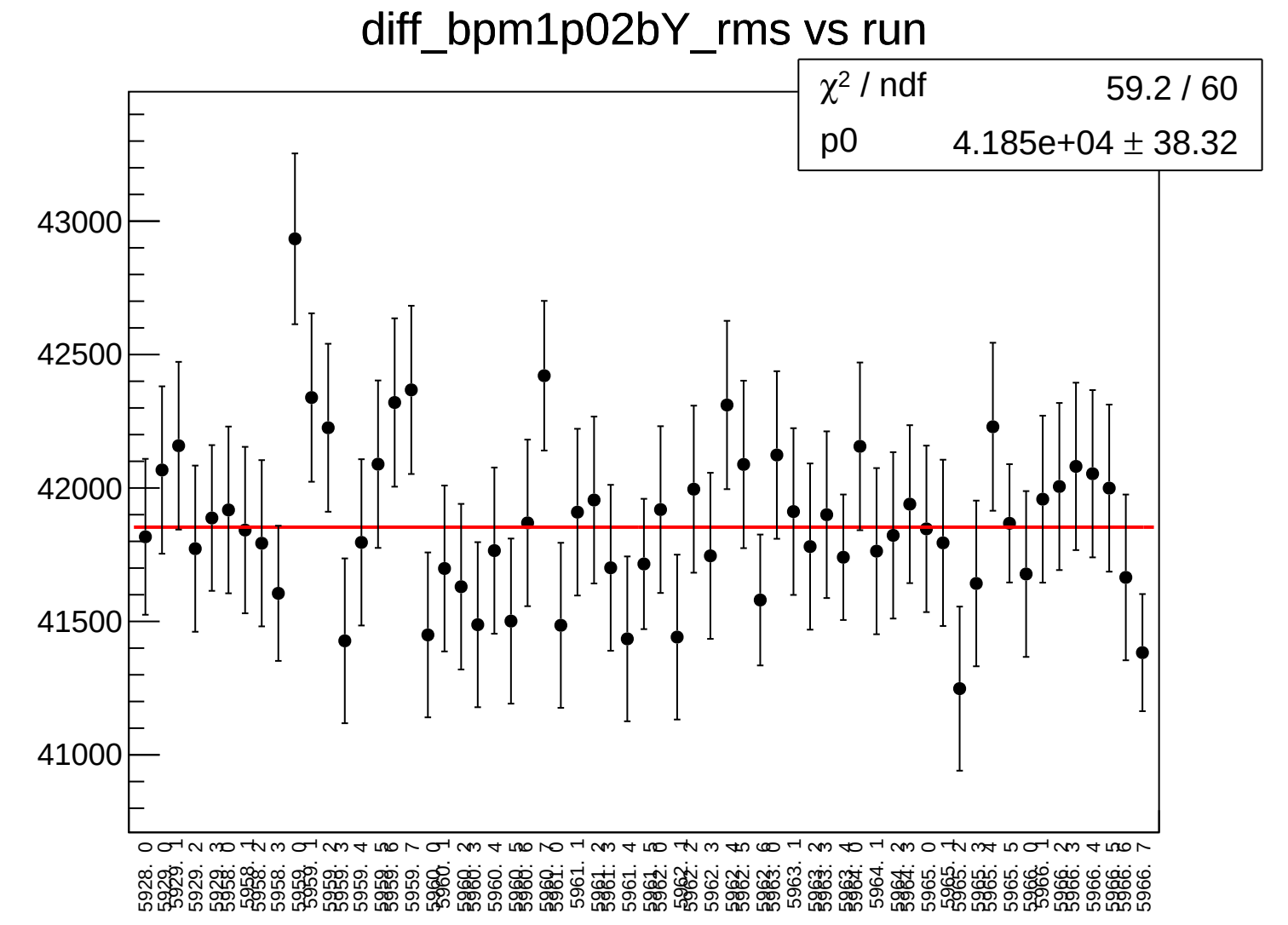

diff_bpm1p02bX_mean vs run
χ² / ndf 61.32 / 60
p0 52.19 ± 54.1
pull
Entries 61
Mean −97.81
Std Dev 0

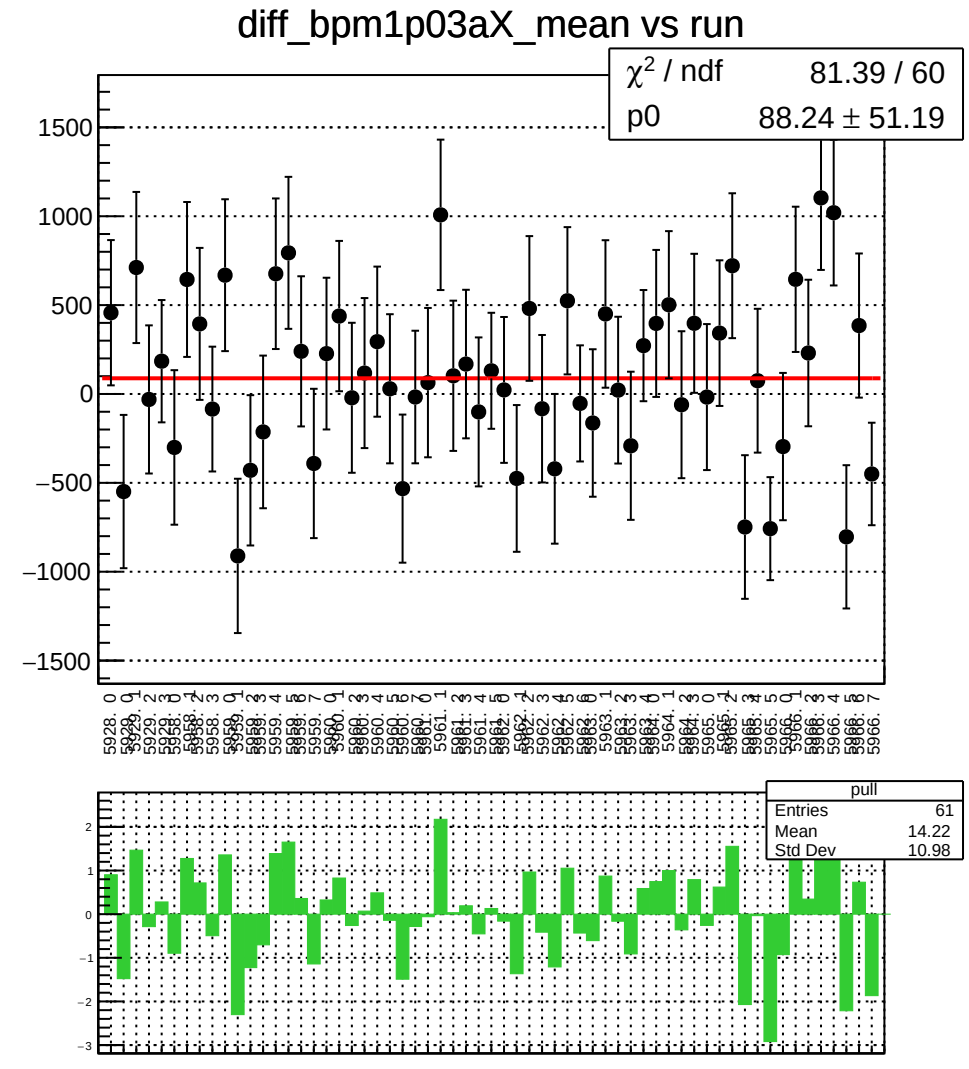

pull1D
Entries 61
Mean −0.00999
Std Dev 1.003

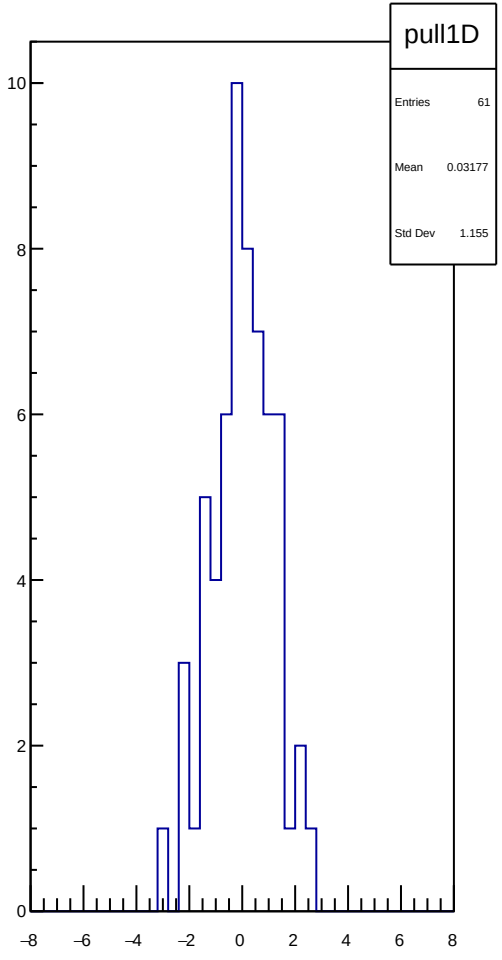

diff_bpm1p02bX_rms vs run
χ² / ndf 55.15 / 60
p0 4.178e+04 ± 38.26
43000
42500
42000
41500
41000
40500

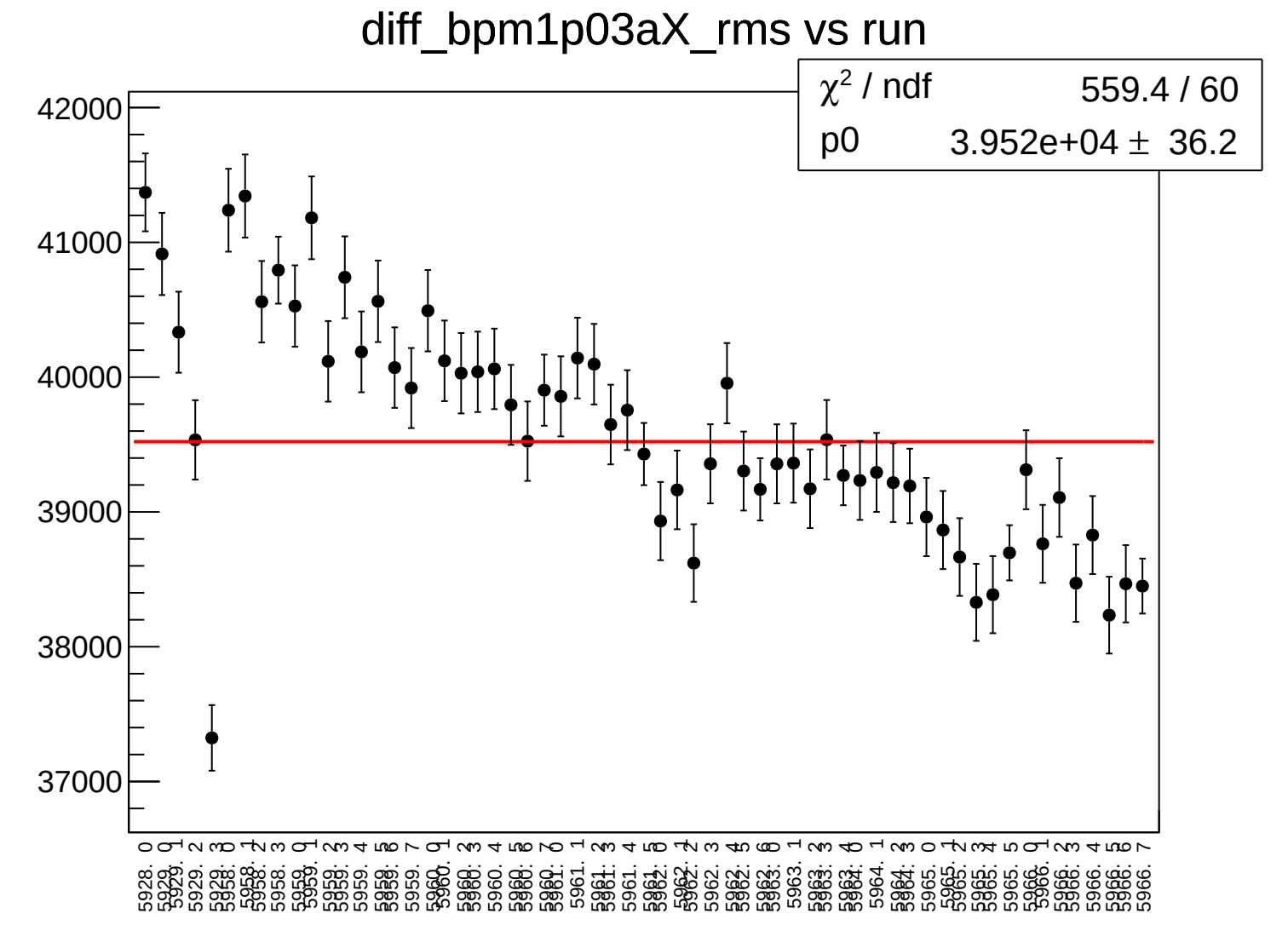

diff_bpm1p02bY_mean vs run
χ² / ndf 50.52 / 60
p0 −66.96 ± 54.2
pull
Entries 61
Mean 2.912
Std Dev 13.34

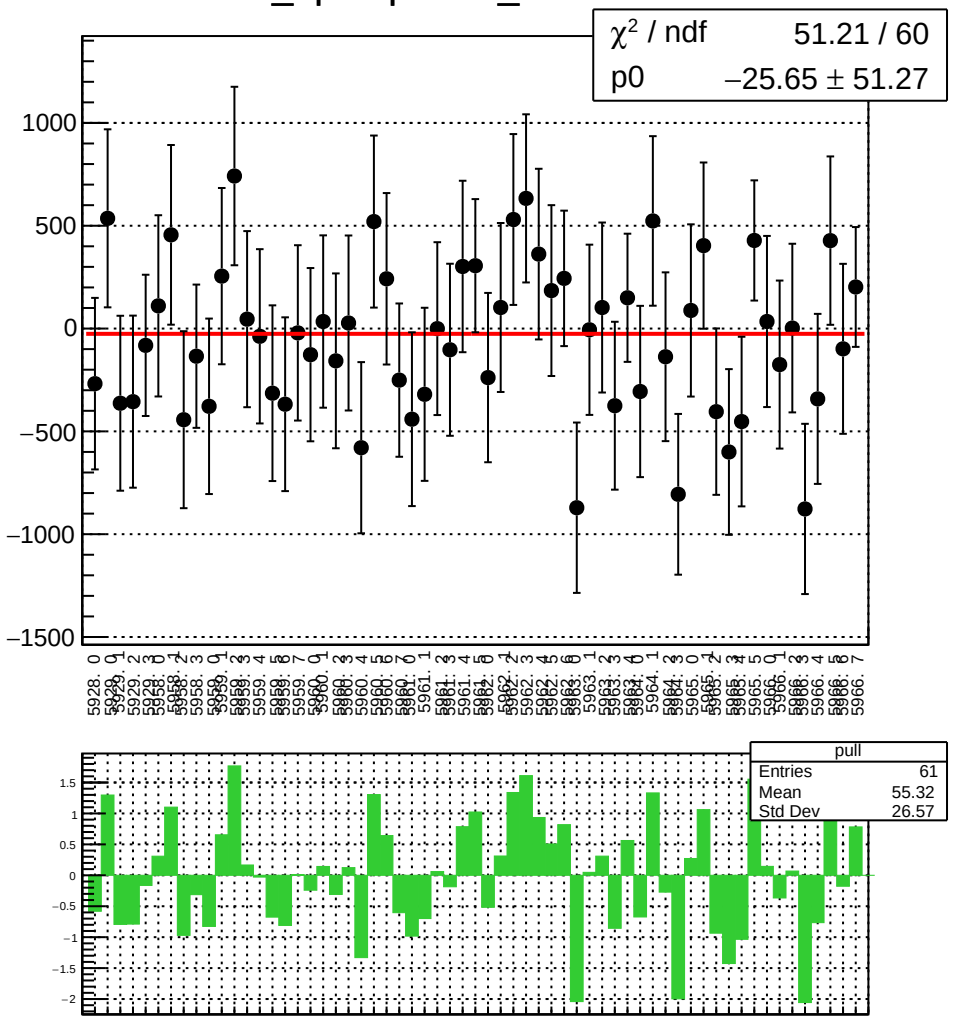

pull1D
Entries 61
Mean −0.01689
Std Dev 0.9099

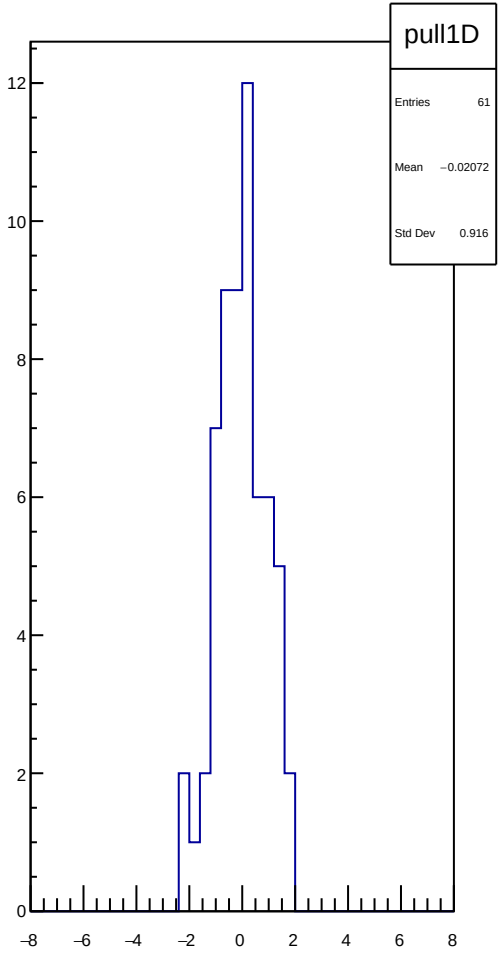

diff_bpm1p02bY_rms vs run
χ² / ndf 59.2 / 60
p0 4.185e+04 ± 38.32
43000
42500
42000
41500
41000

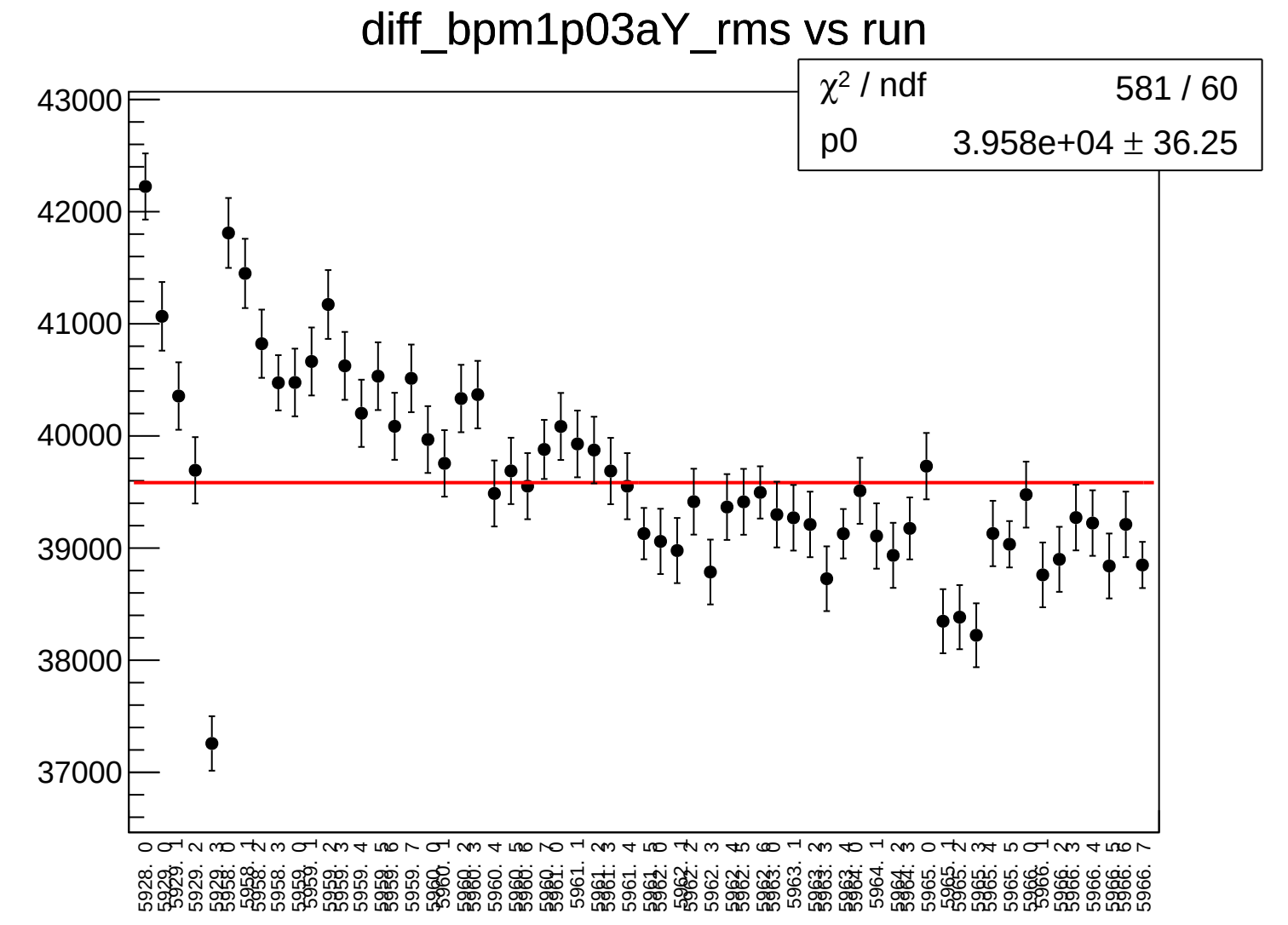

diff_bpm1p03aX_mean vs run
χ^2 / ndf 81.39 / 60
p0 88.24 ± 51.19
pull
Entries 61
Mean 14.22
Std Dev 10.98

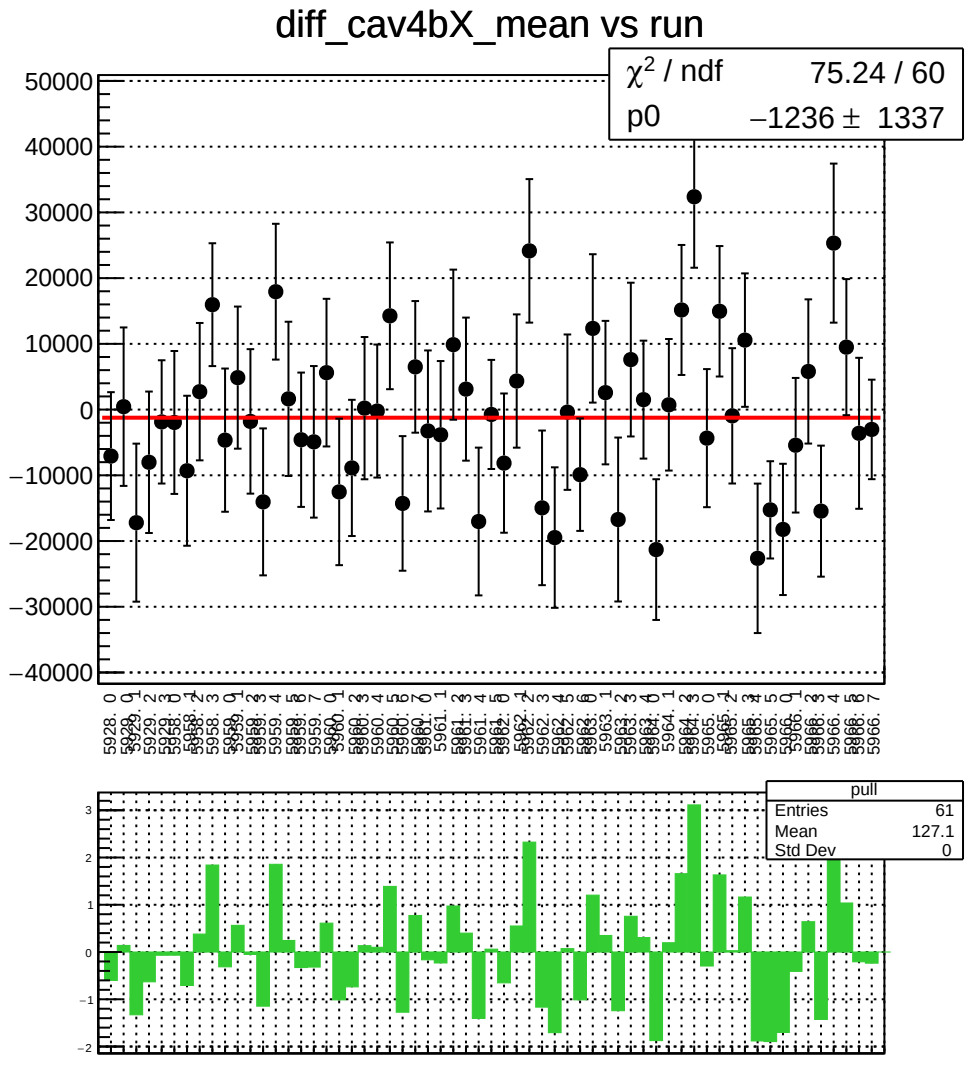

pull1D
Entries 61
Mean 0.03177
Std Dev 1.155

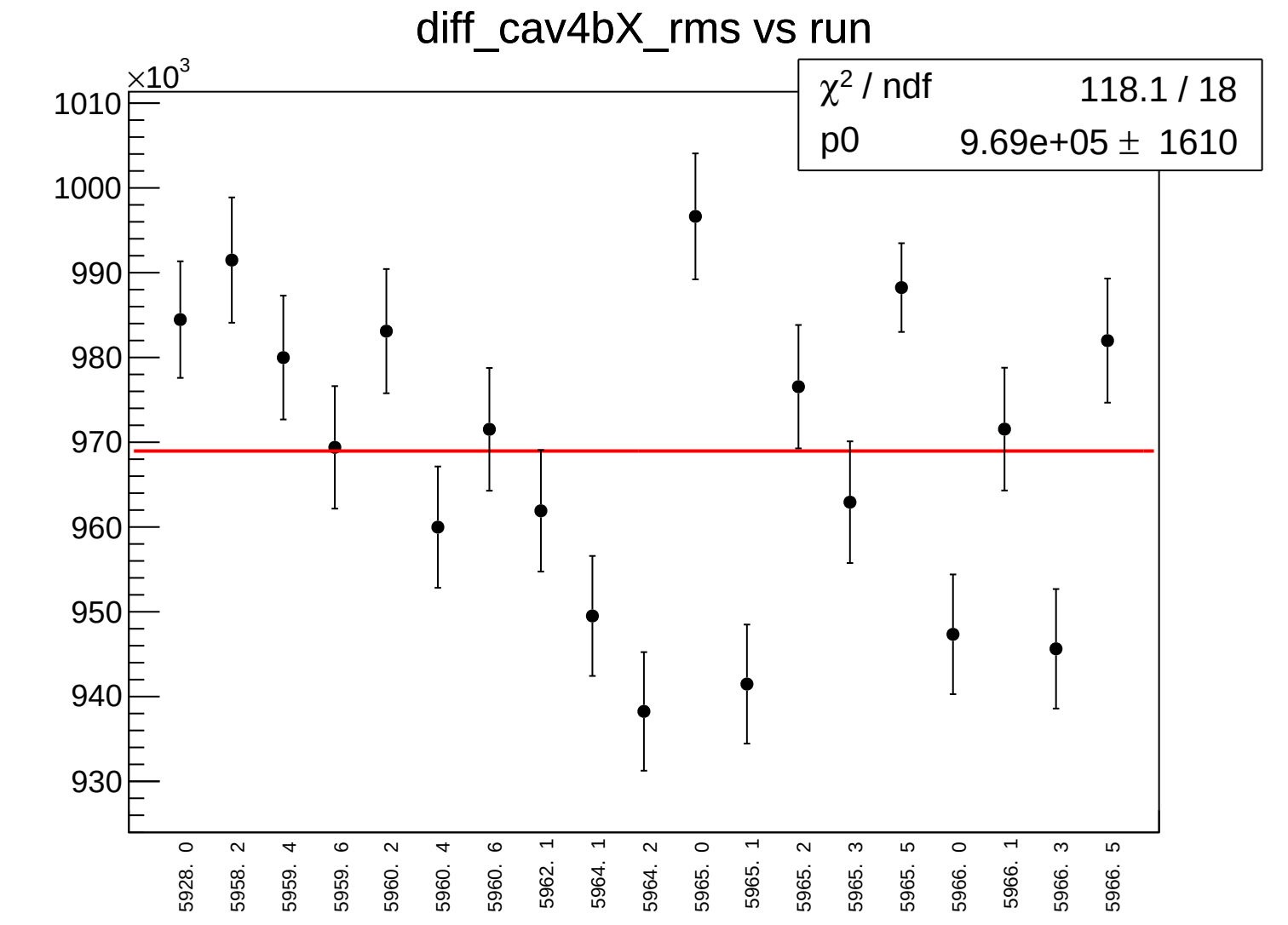

diff_bpm1p03aX_rms vs run
χ² / ndf 559.4 / 60
p0 3.952e+04 ± 36.2
42000
41000
40000
39000
38000
37000

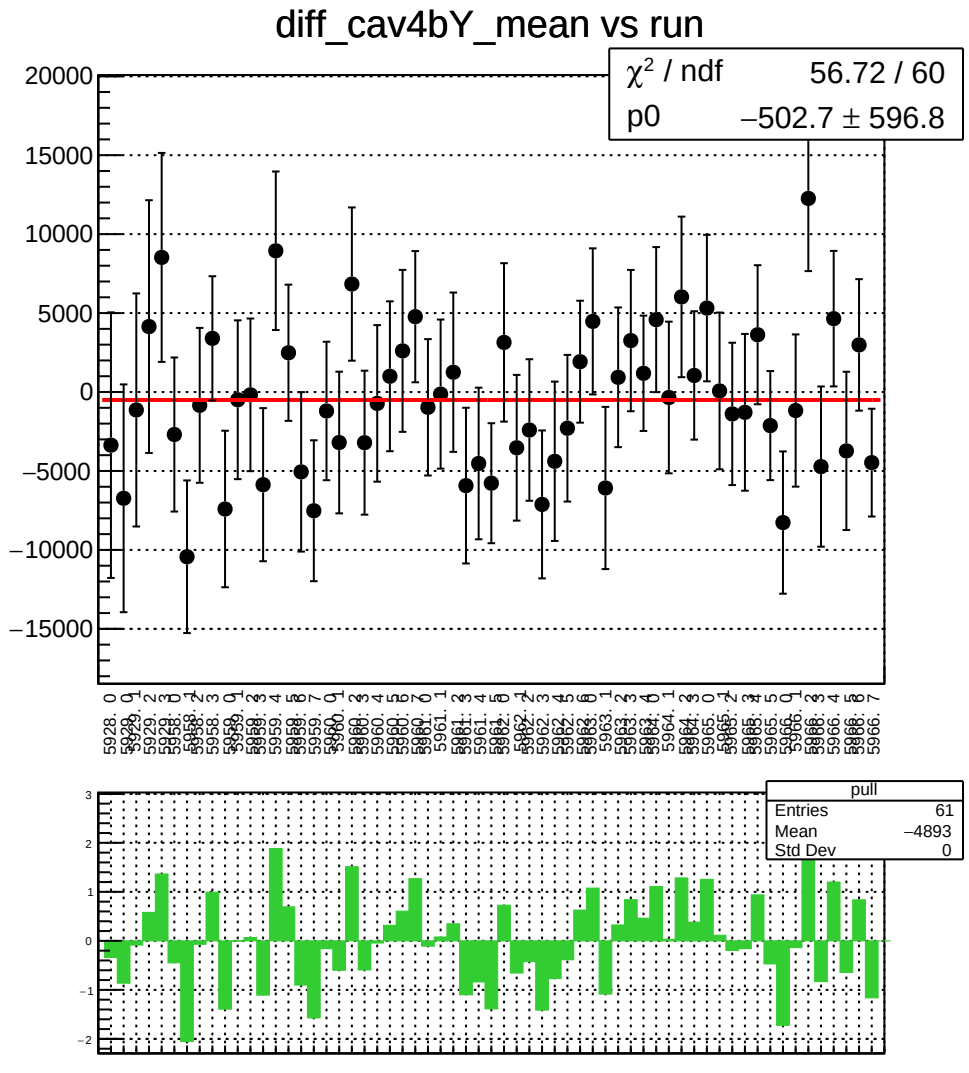

diff_bpm1p03aY_mean vs run
χ² / ndf 51.21 / 60
p0 −25.65 ± 51.27
pull
Entries 61
Mean 55.32
Std Dev 26.57

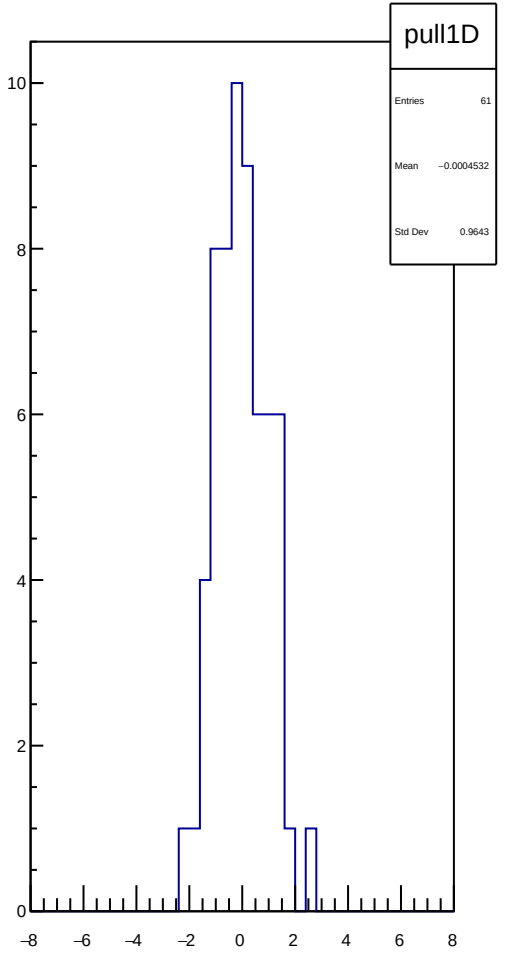

pull1D
Entries 61
Mean −0.02072
Std Dev 0.916

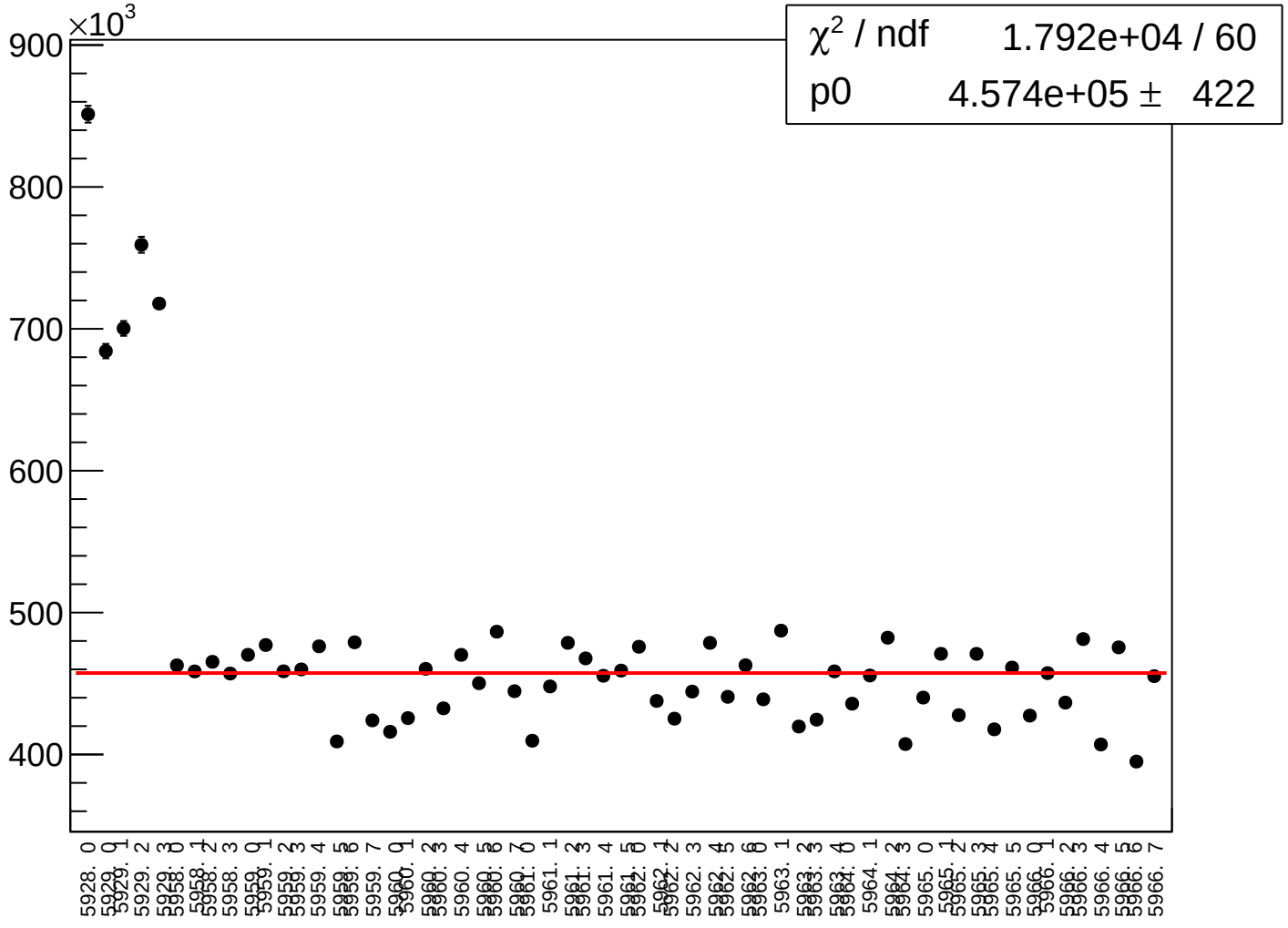

diff_bpm1p03aY_rms vs run
χ² / ndf 581 / 60
p0 3.958e+04 ± 36.25
43000
42000
41000
40000
39000
38000
37000

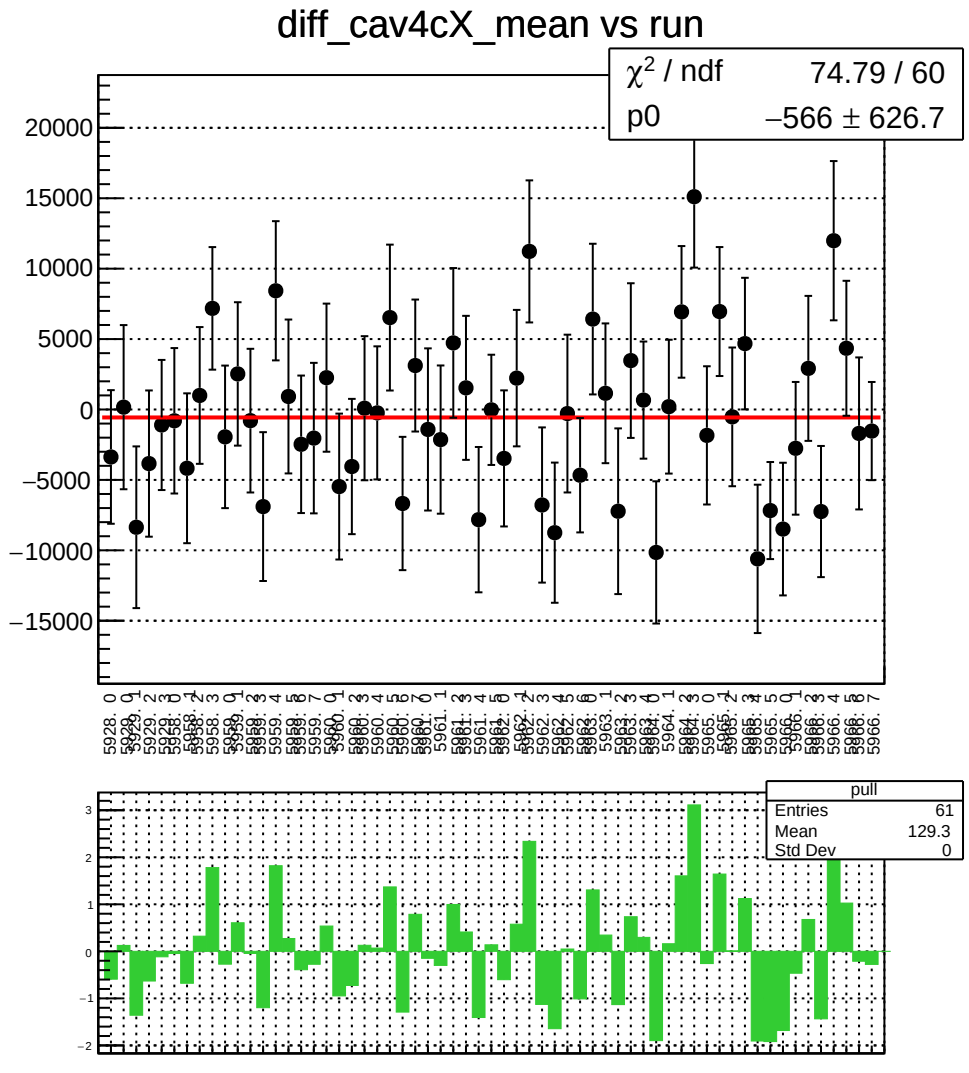

diff_cav4bX_mean vs run
χ² / ndf 75.24 / 60
p0 −1236 ± 1337
pull
Entries 61
Mean 127.1
Std Dev 0
pull1D
Entries 61
Mean 0.009844
Std Dev 1.111

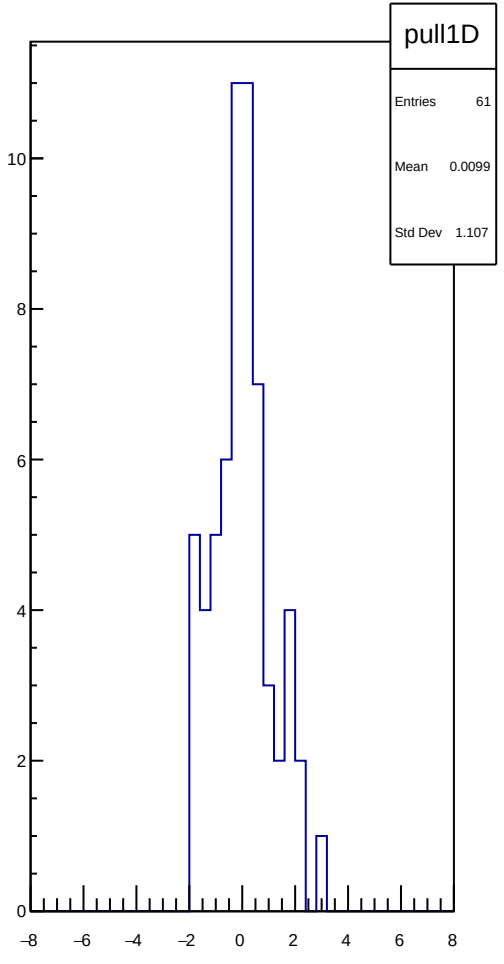

diff_cav4bX_rms vs run
×10^3
1010
1000
990
980
970
960
950
940
930
χ² / ndf 118.1 / 18
p0 9.69e+05 ± 1610
5928. 0
5958. 2
5959. 4
5959. 6
5960. 2
5960. 4
5960. 6
5962. 1
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 5
5966. 0
5966. 1
5966. 3
5966. 5

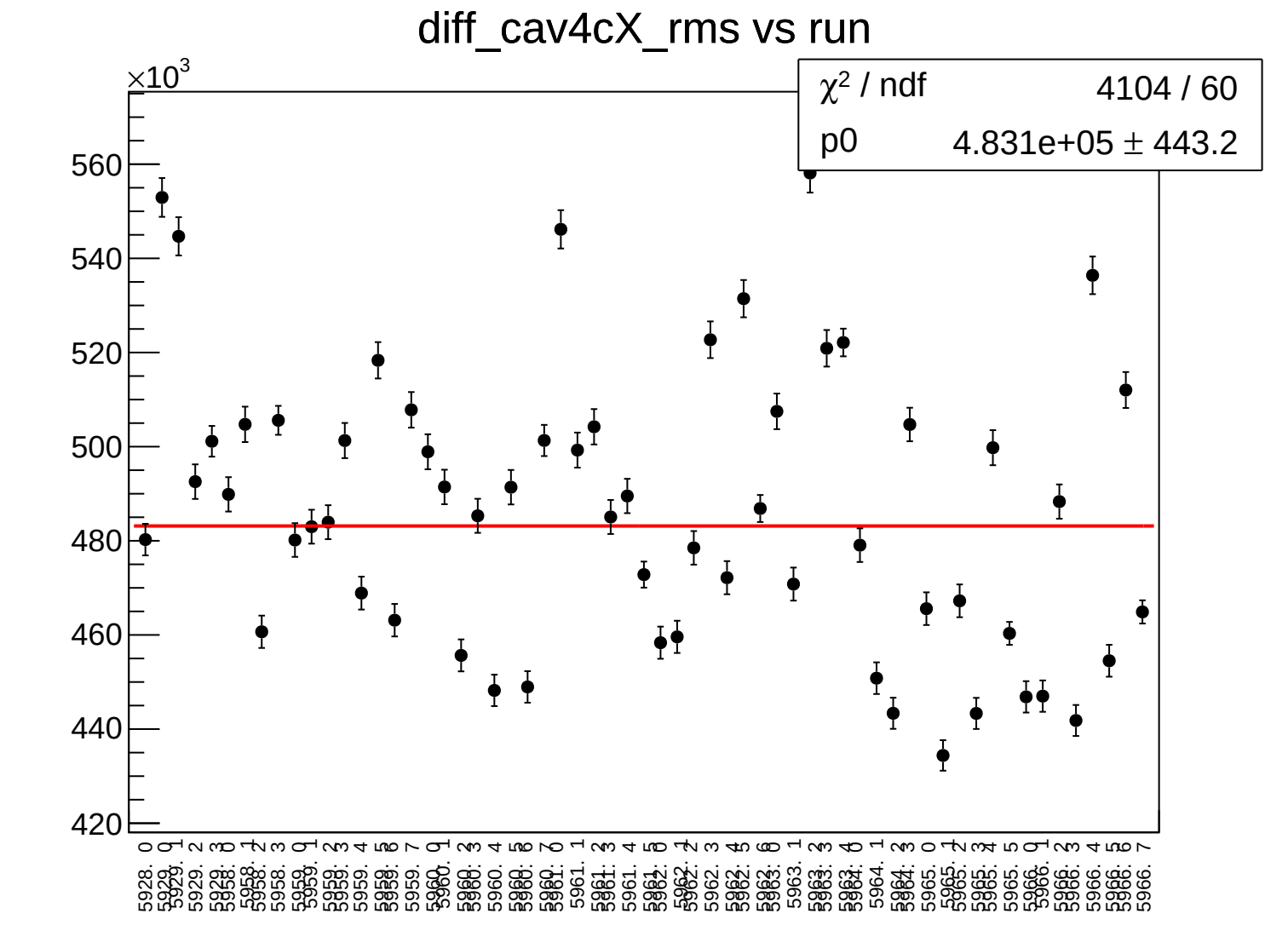

diff_cav4bY_mean vs run
χ² / ndf 56.72 / 60
p0 −502.7 ± 596.8
pull
Entries 61
Mean −4893
Std Dev 0

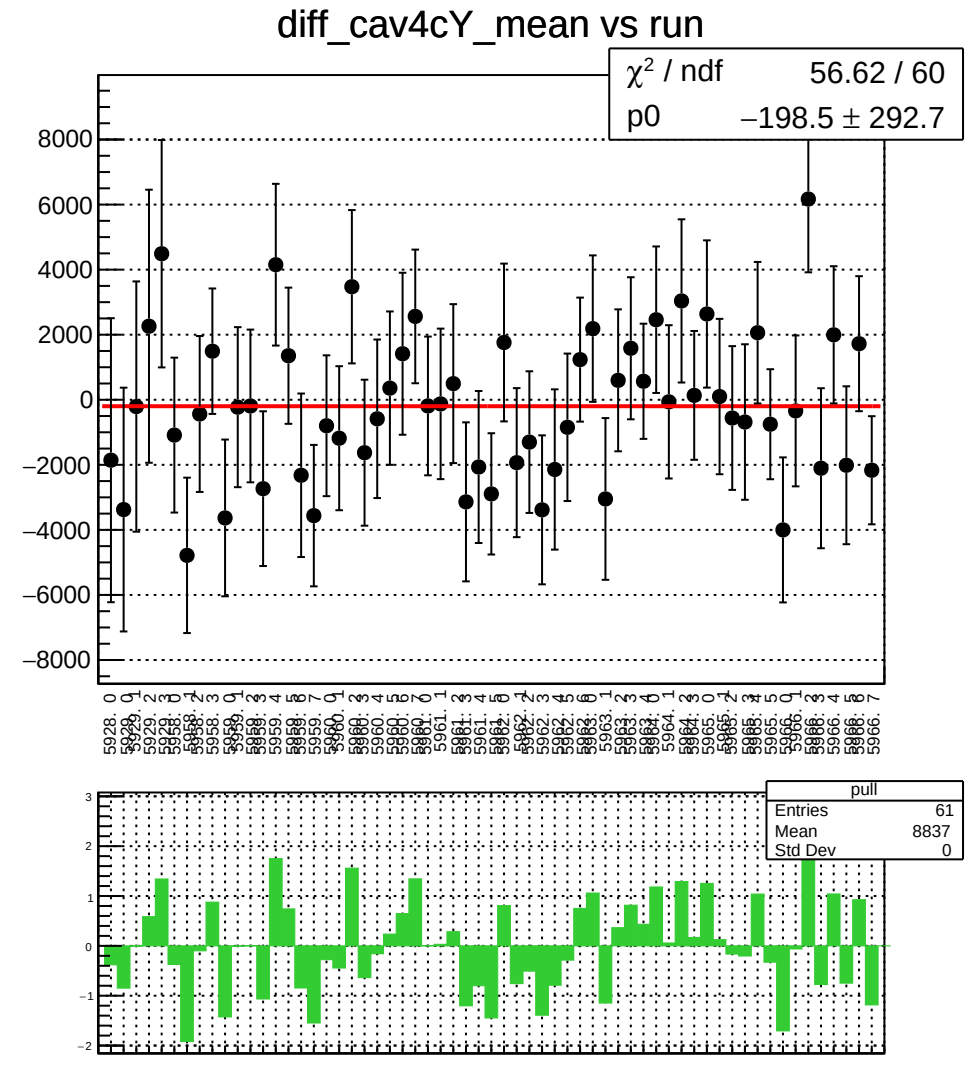

pull1D
Entries 61
Mean −0.0004532
Std Dev 0.9643

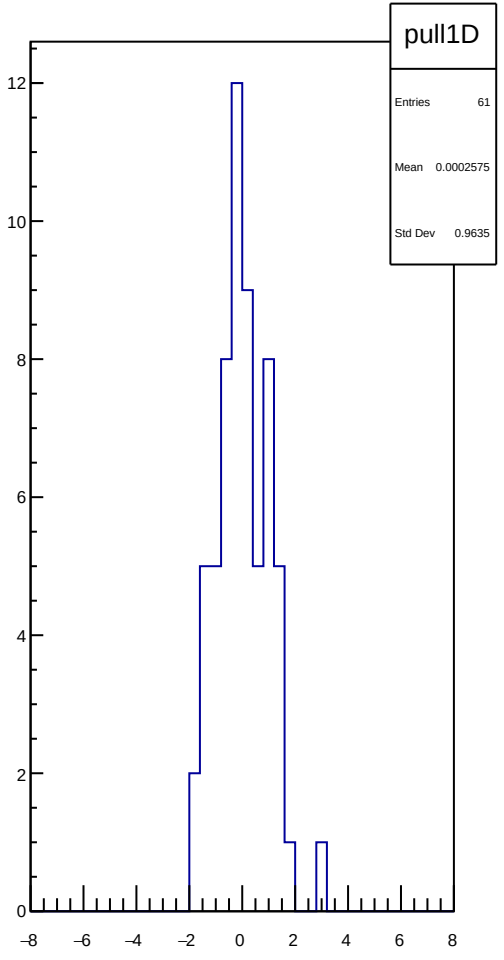

diff_cav4bY_rms vs run
×10^3
900
800
700
600
500
400
χ² / ndf 1.792e+04 / 60
p0 4.574e+05 ± 422

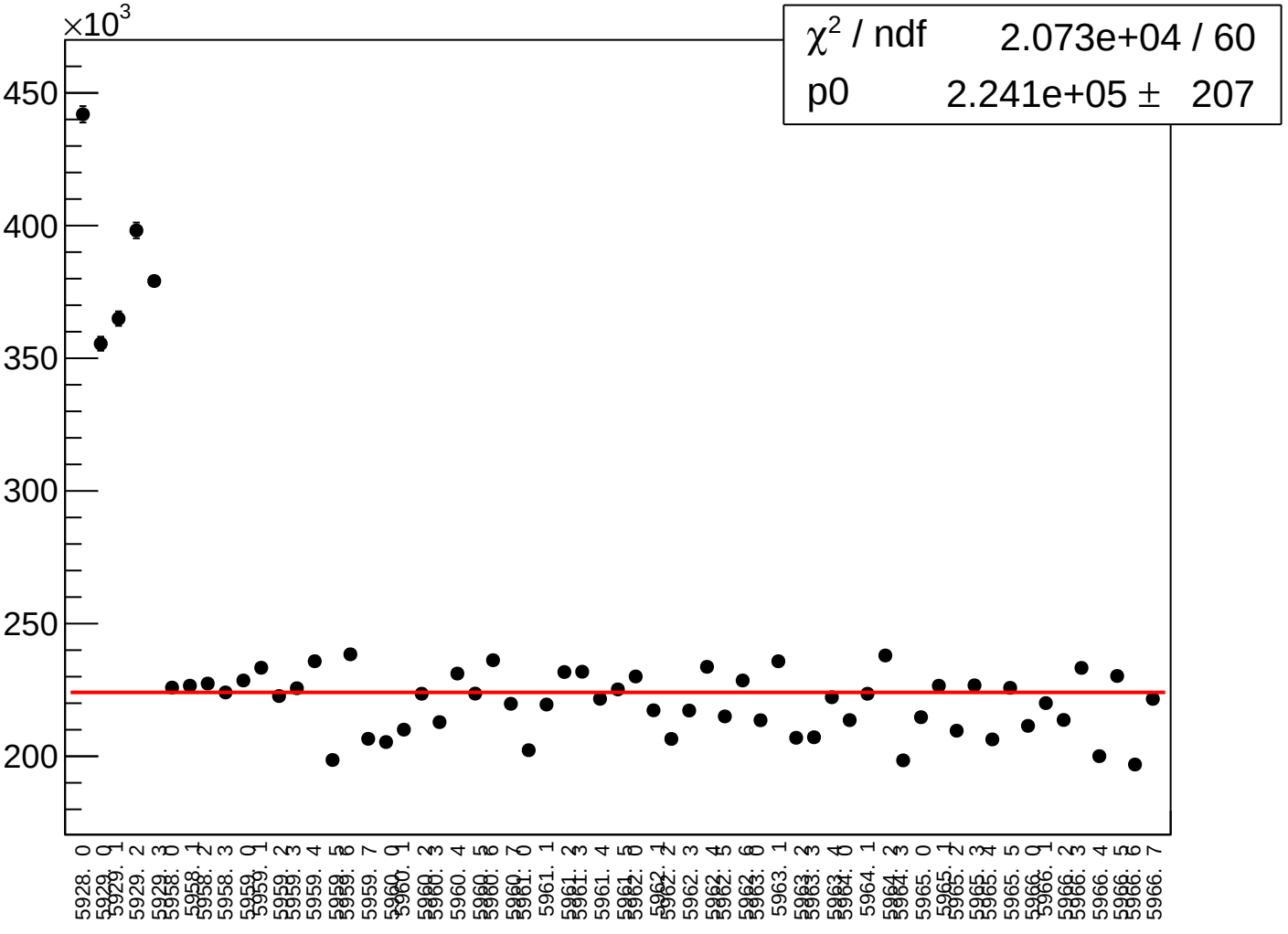

diff_cav4cX_mean vs run
χ² / ndf 74.79 / 60
p0 −566 ± 626.7
pull
Entries 61
Mean 129.3
Std Dev 0

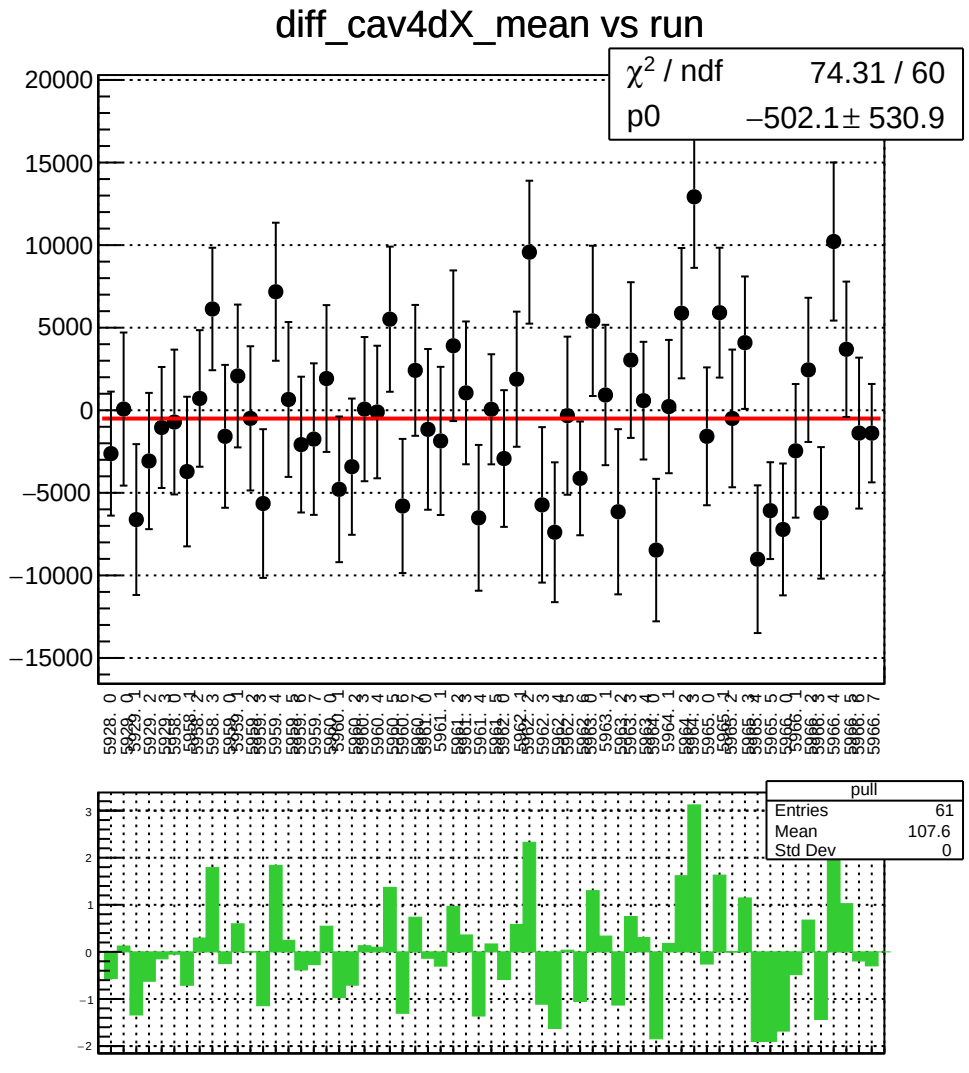

pull1D
Entries 61
Mean 0.0099
Std Dev 1.107

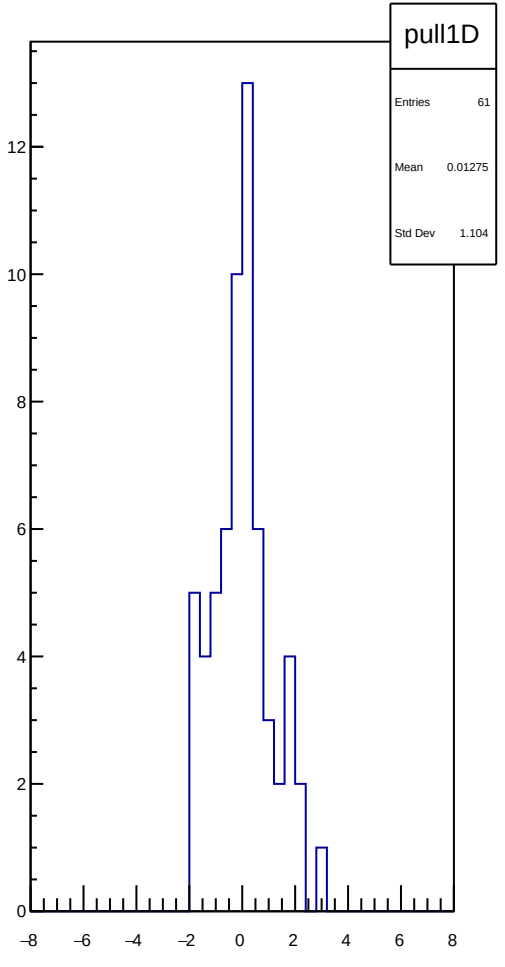

diff_cav4cX_rms vs run
×10^3
χ² / ndf 4104 / 60
p0 4.831e+05 ± 443.2
560
540
520
500
480
460
440
420

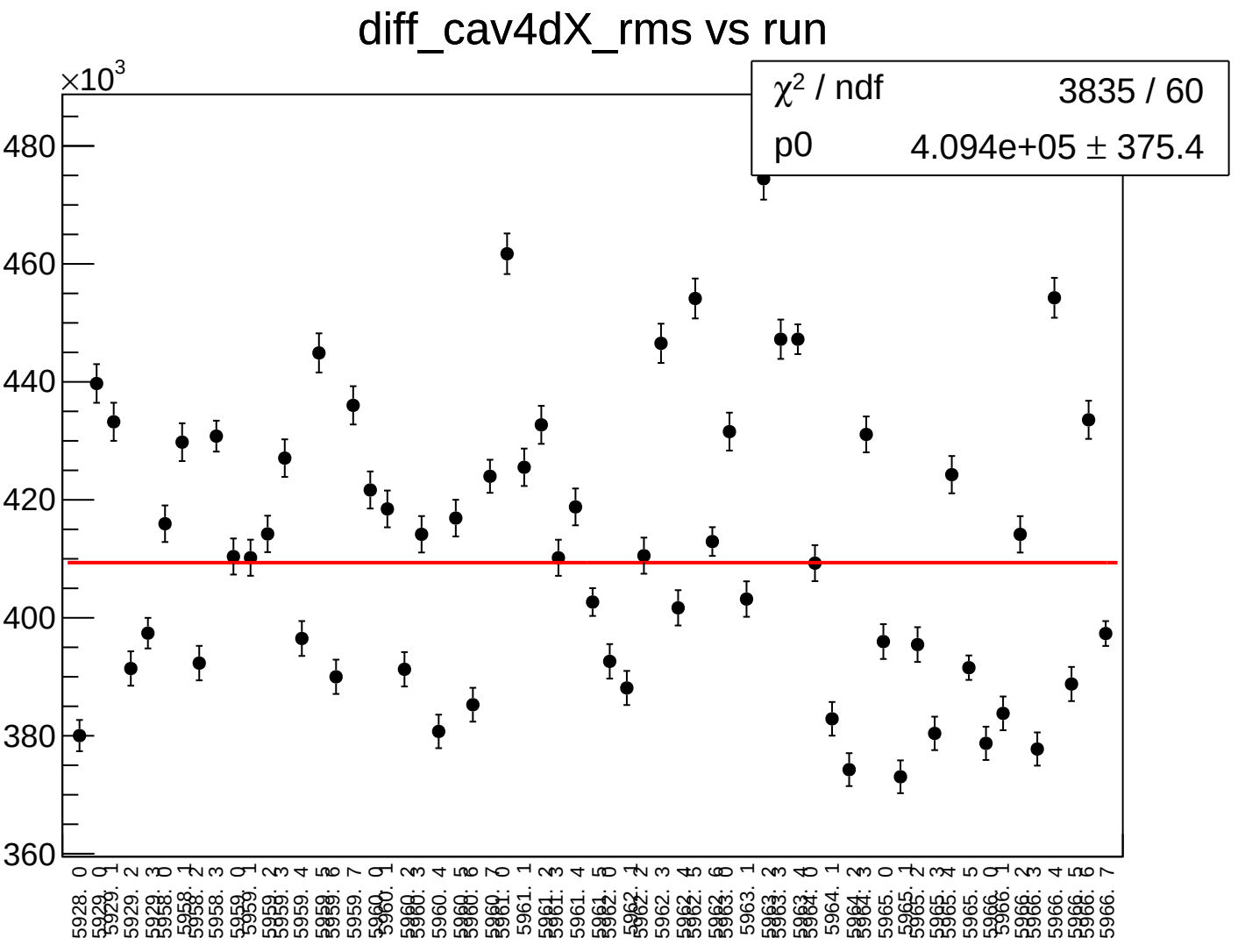

diff_cav4cY_mean vs run
χ² / ndf 56.62 / 60
p0 −198.5 ± 292.7
pull
Entries 61
Mean 8837
Std Dev 0

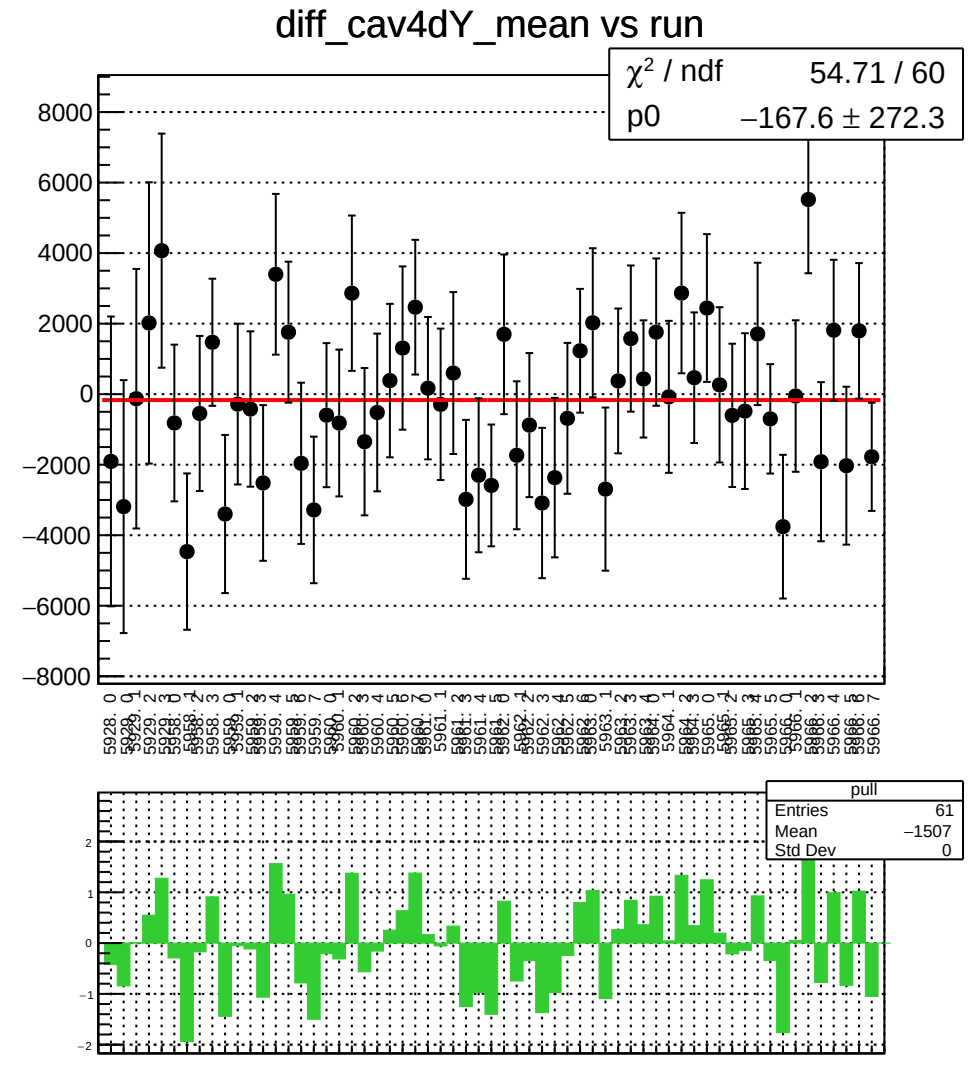

pull1D
Entries 61
Mean 0.0002575
Std Dev 0.9635

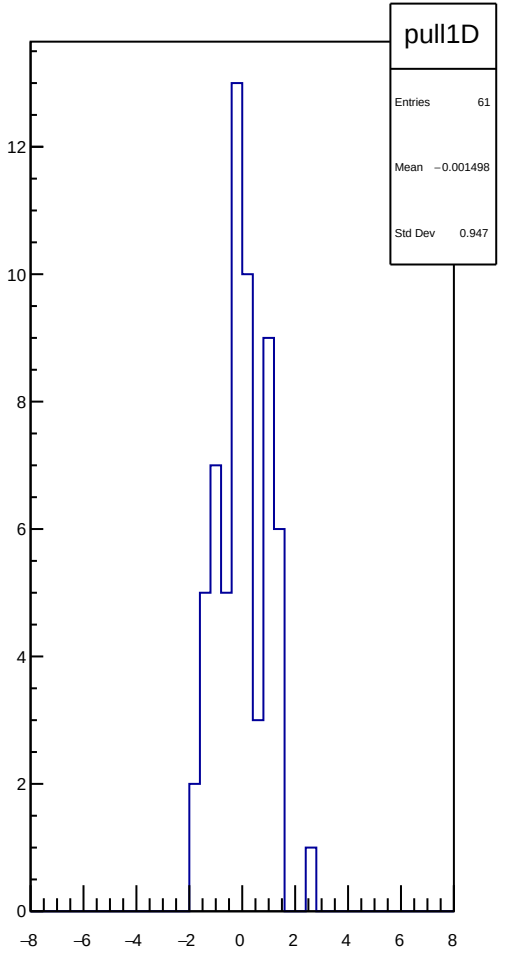

diff_cav4cY_rms vs run
×10^3
χ^2 / ndf 2.073e+04 / 60
p0 2.241e+05 ± 207
450
400
350
300
250
200

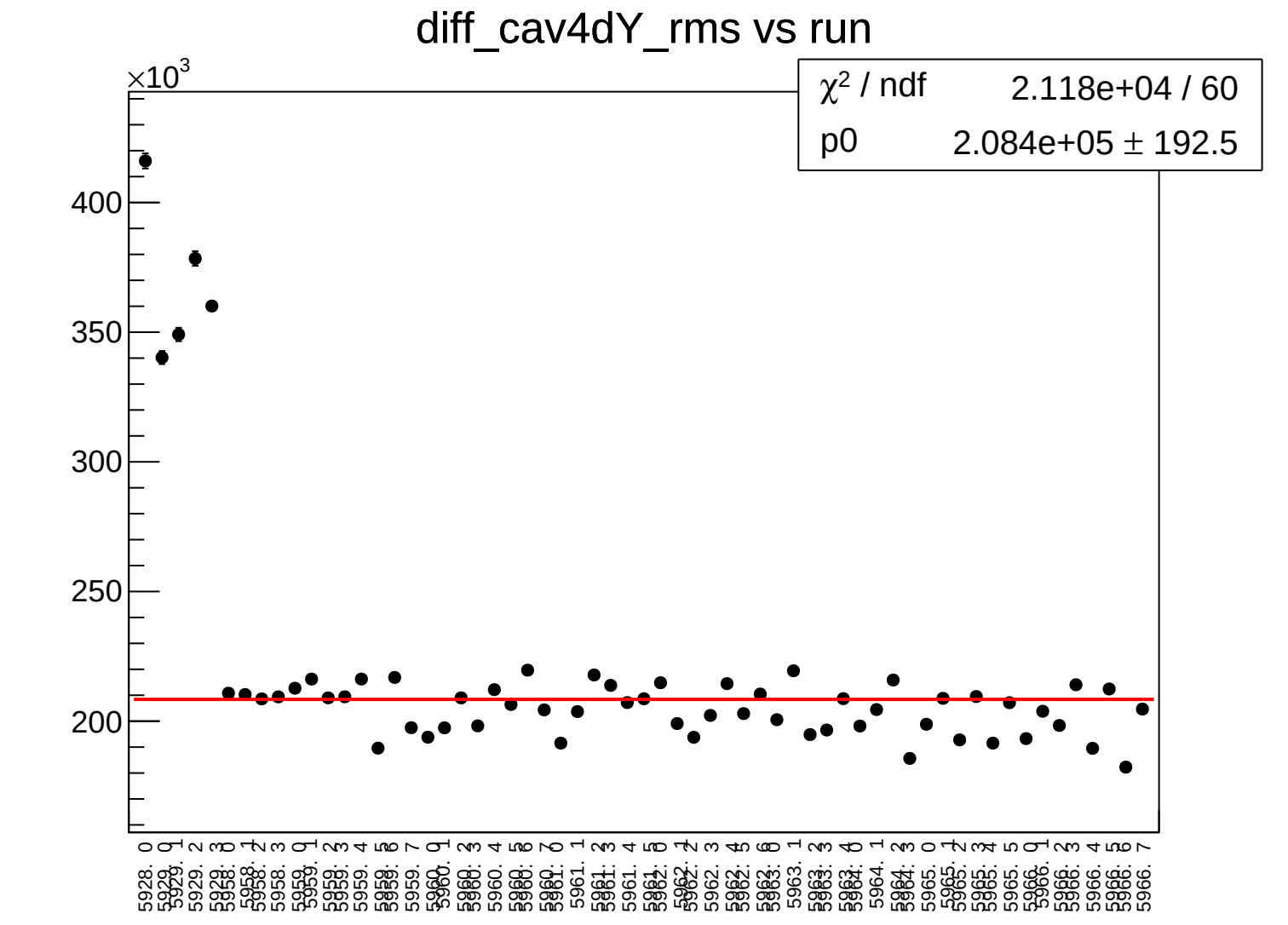

diff_cav4dX_mean vs run
χ² / ndf 74.31 / 60
p0 −502.1 ± 530.9
pull
Entries 61
Mean 107.6
Std Dev 0

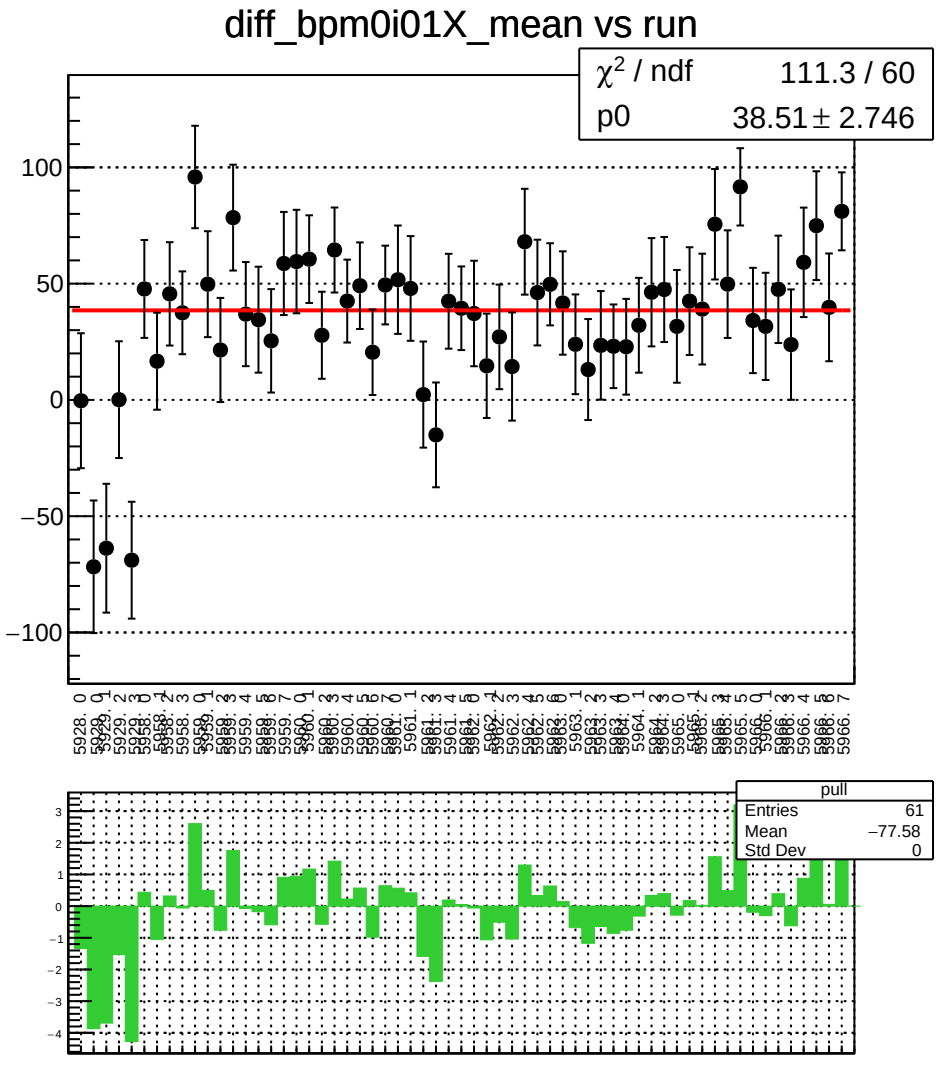

pull1D
Entries 61
Mean 0.01275
Std Dev 1.104

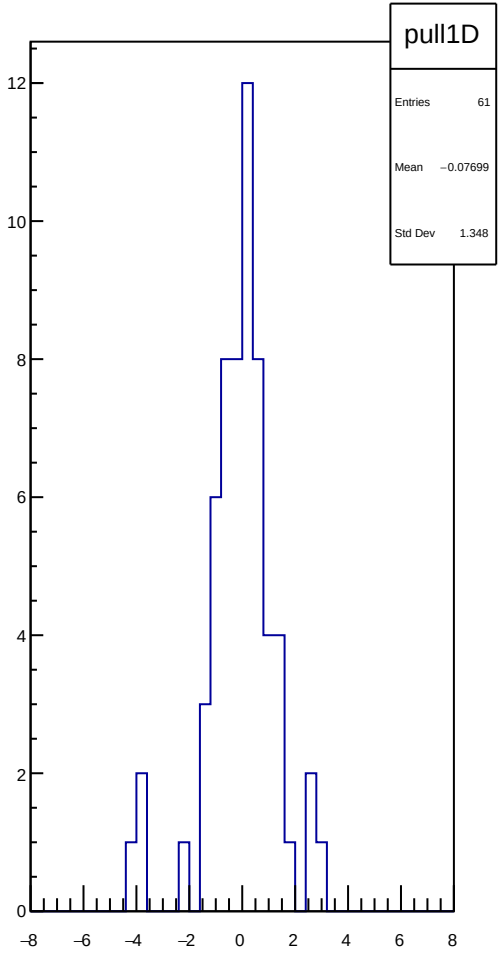

diff_cav4dX_rms vs run
×10^3
χ² / ndf 3835 / 60
p0 4.094e+05 ± 375.4
480
460
440
420
400
380
360

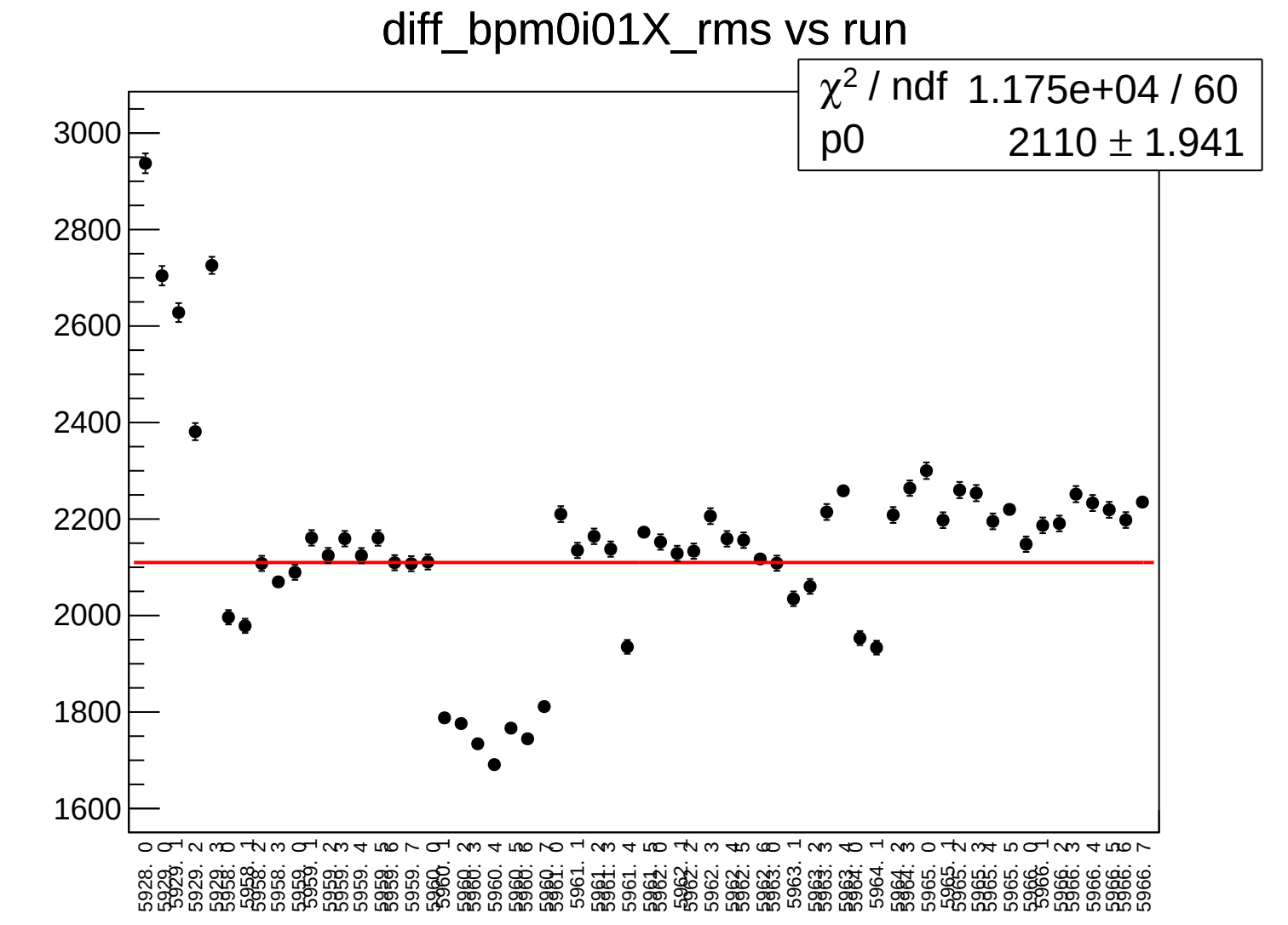

diff_cav4dY_mean vs run
χ² / ndf 54.71 / 60
p0 −167.6 ± 272.3
pull
Entries 61
Mean −1507
Std Dev 0

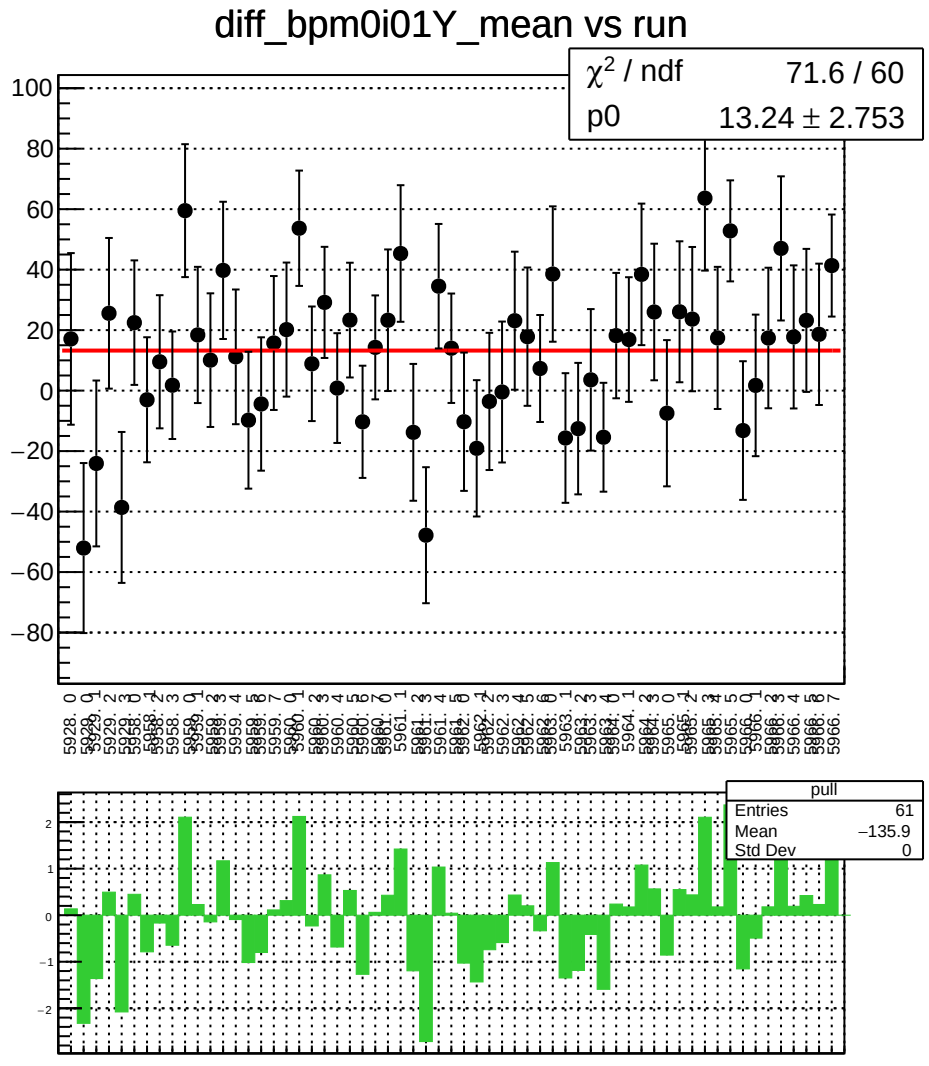

pull1D
Entries 61
Mean −0.001498
Std Dev 0.947

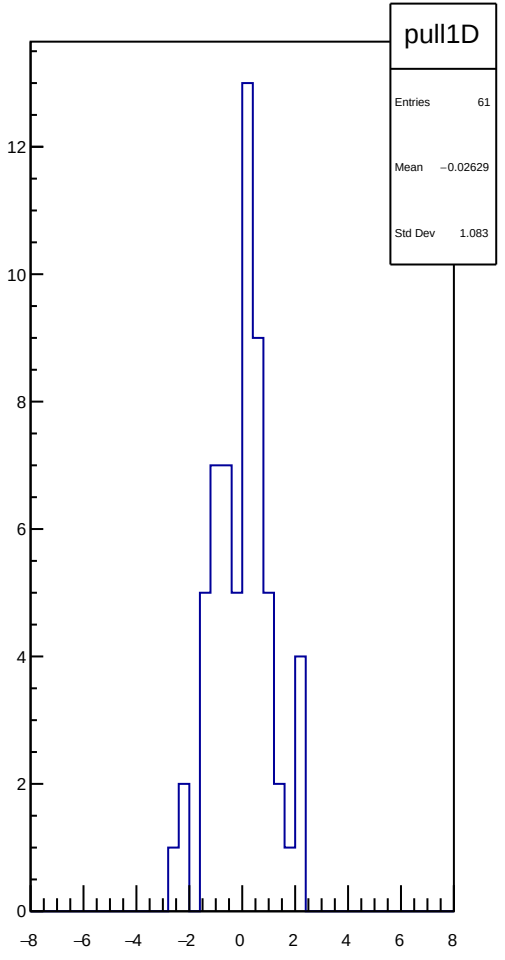

diff_cav4dY_rms vs run
×10^3
χ^2 / ndf 2.118e+04 / 60
p0 2.084e+05 ± 192.5
400
350
300
250
200

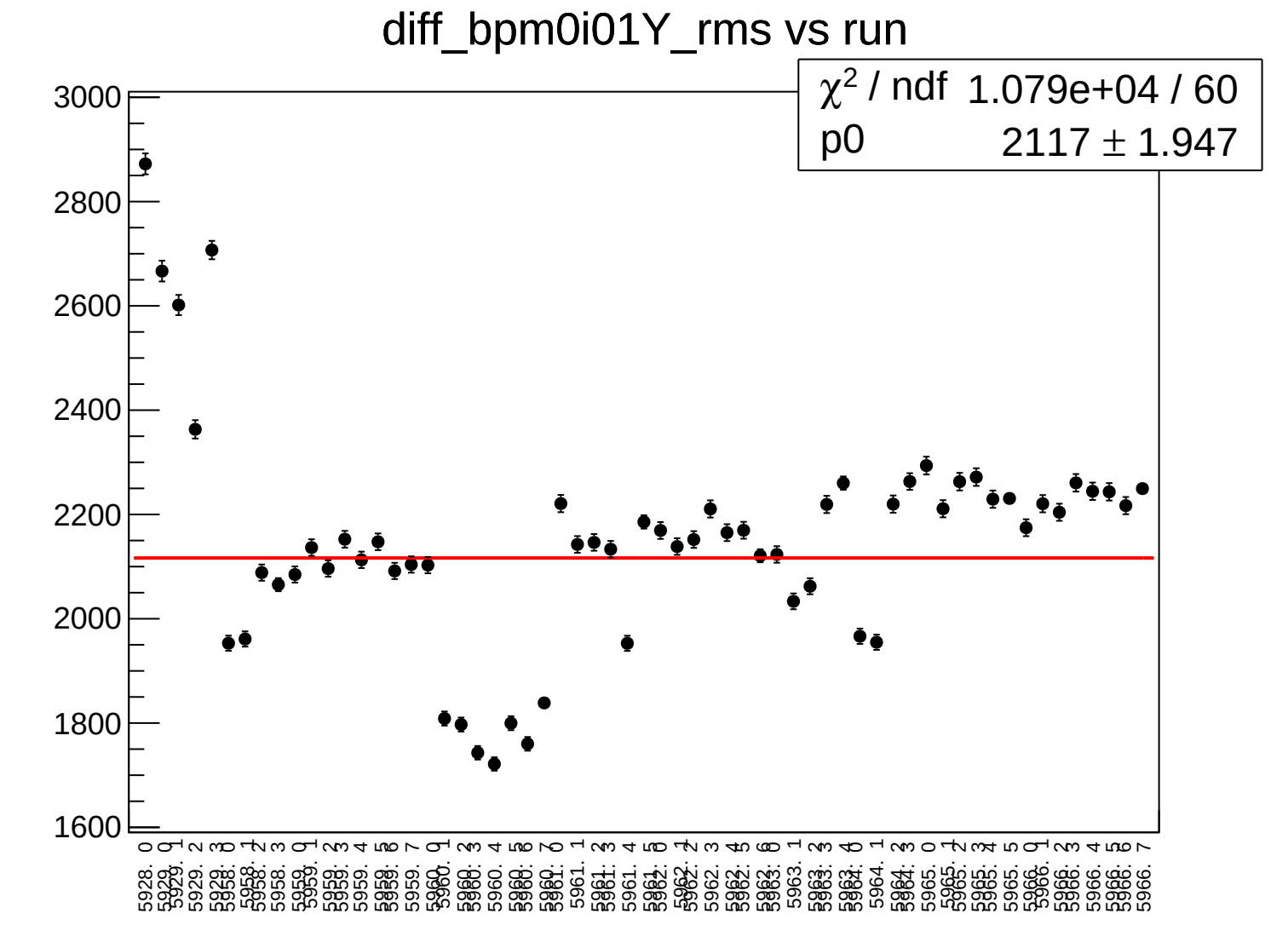

diff_bpm0i01X_mean vs run
χ² / ndf 111.3 / 60
p0 38.51 ± 2.746
100
50
0
−50
−100
pull
Entries 61
Mean −77.58
Std Dev 0
3
2
1
0
−1
−2
−3
−4

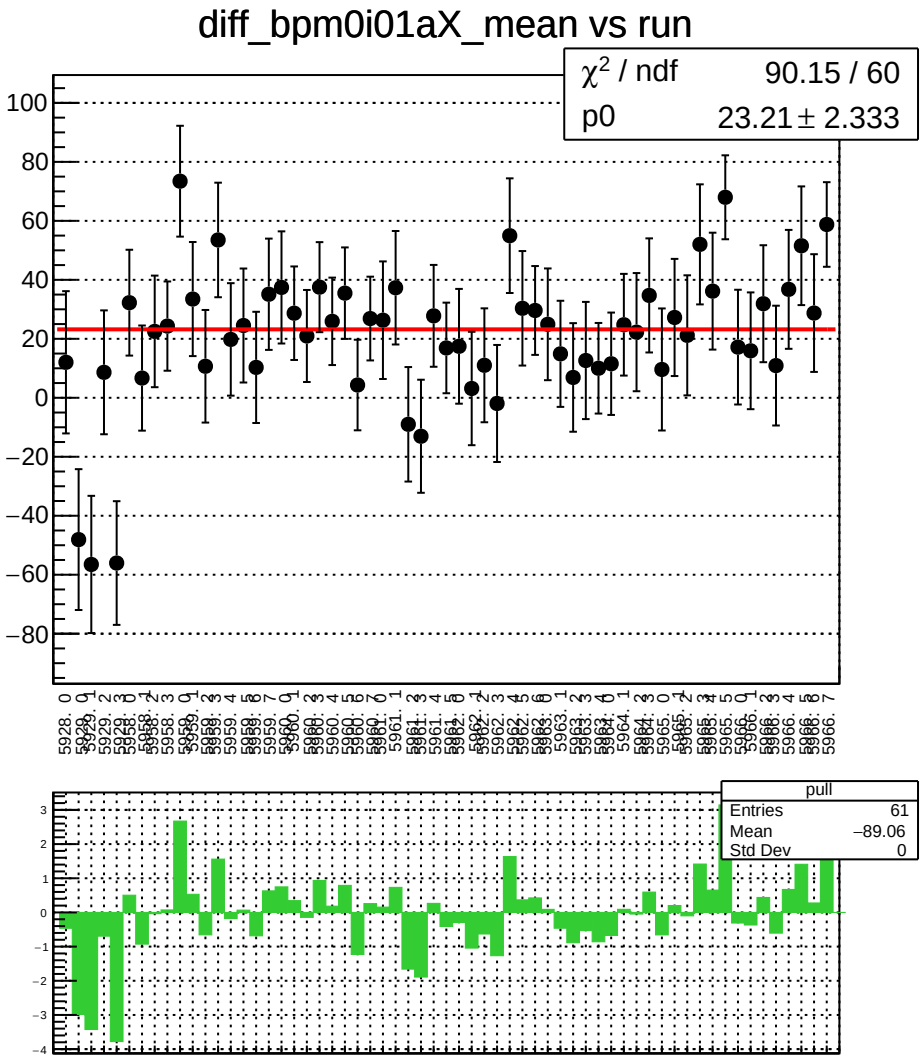

pull1D
Entries 61
Mean −0.07699
Std Dev 1.348
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

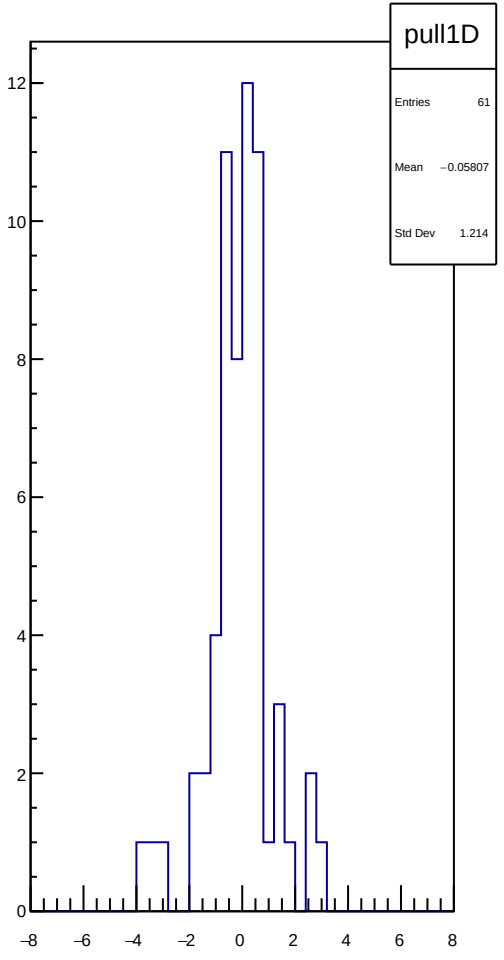

diff_bpm0i01X_rms vs run
χ² / ndf 1.175e+04 / 60
p0 2110 ± 1.941
3000
2800
2600
2400
2200
2000
1800
1600

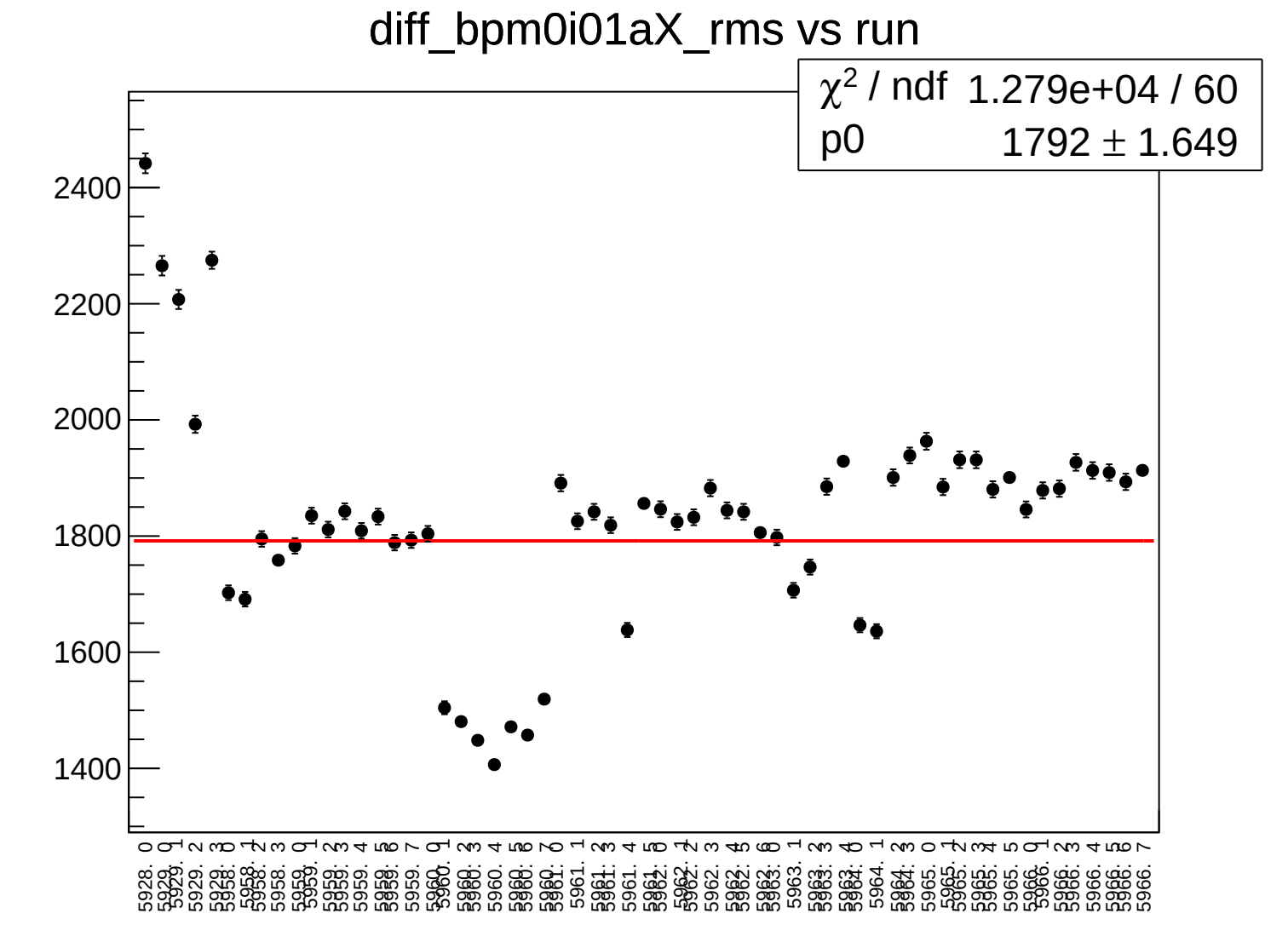

diff_bpm0i01Y_mean vs run
χ^2 / ndf 71.6 / 60
p0 13.24 ± 2.753
pull
Entries 61
Mean −135.9
Std Dev 0

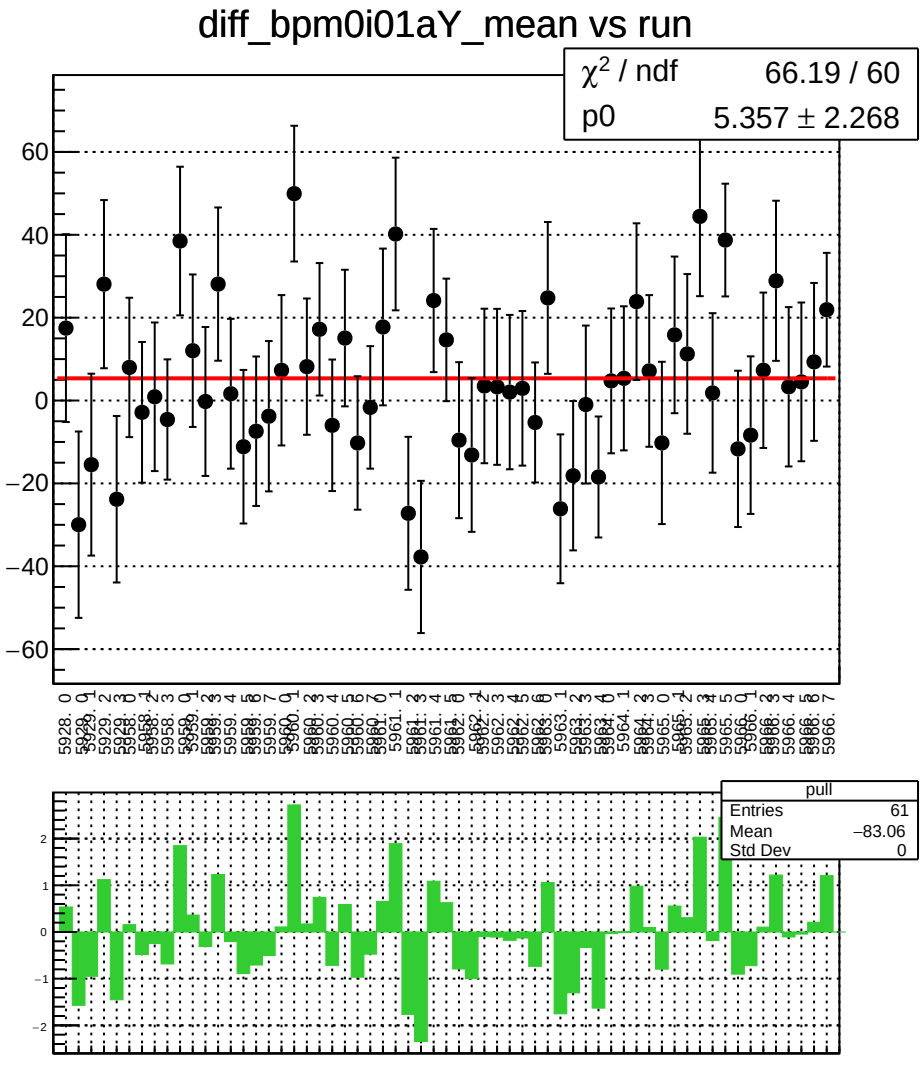

pull1D
Entries 61
Mean −0.02629
Std Dev 1.083

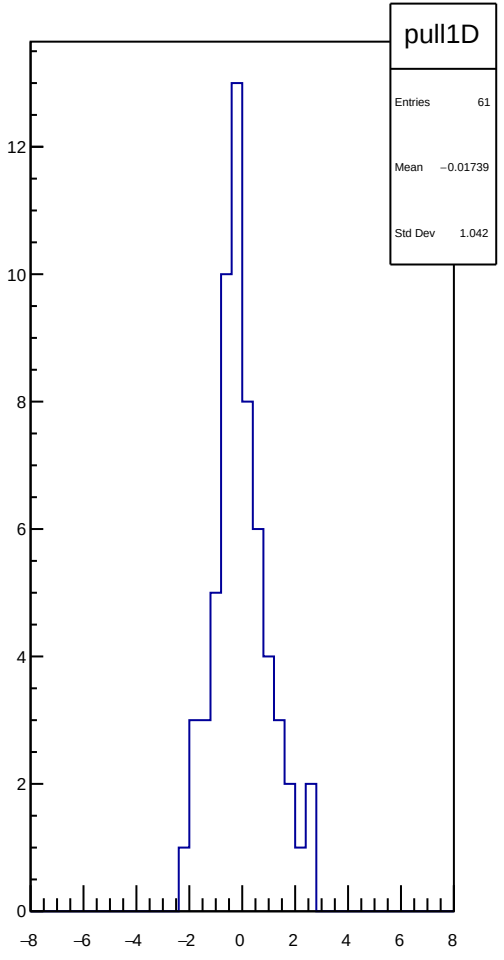

diff_bpm0i01Y_rms vs run
χ² / ndf 1.079e+04 / 60
p0 2117 ± 1.947
3000
2800
2600
2400
2200
2000
1800
1600

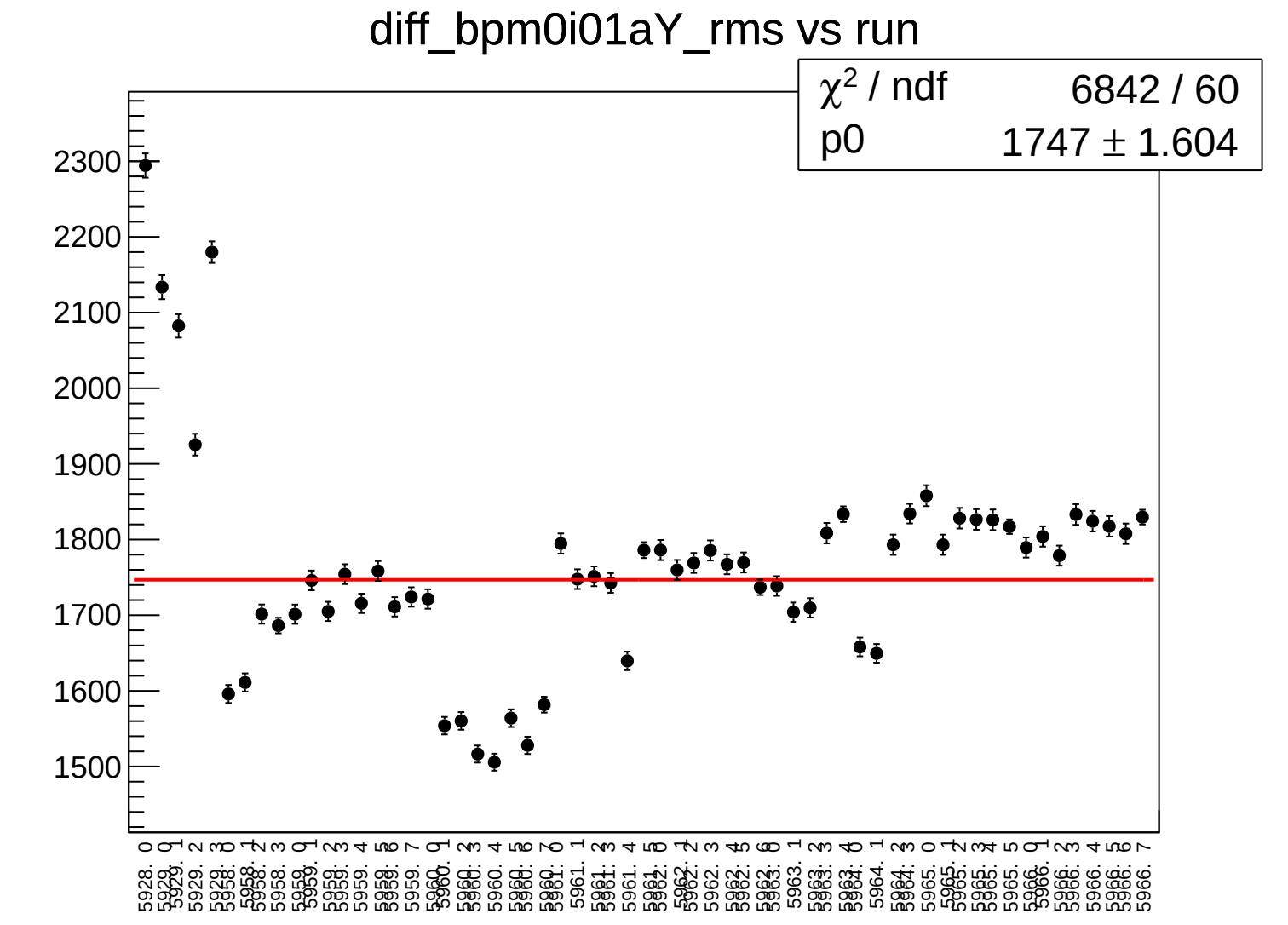

diff_bpm0i01aX_mean vs run
χ² / ndf 90.15 / 60
p0 23.21 ± 2.333
pull
Entries 61
Mean −89.06
Std Dev 0

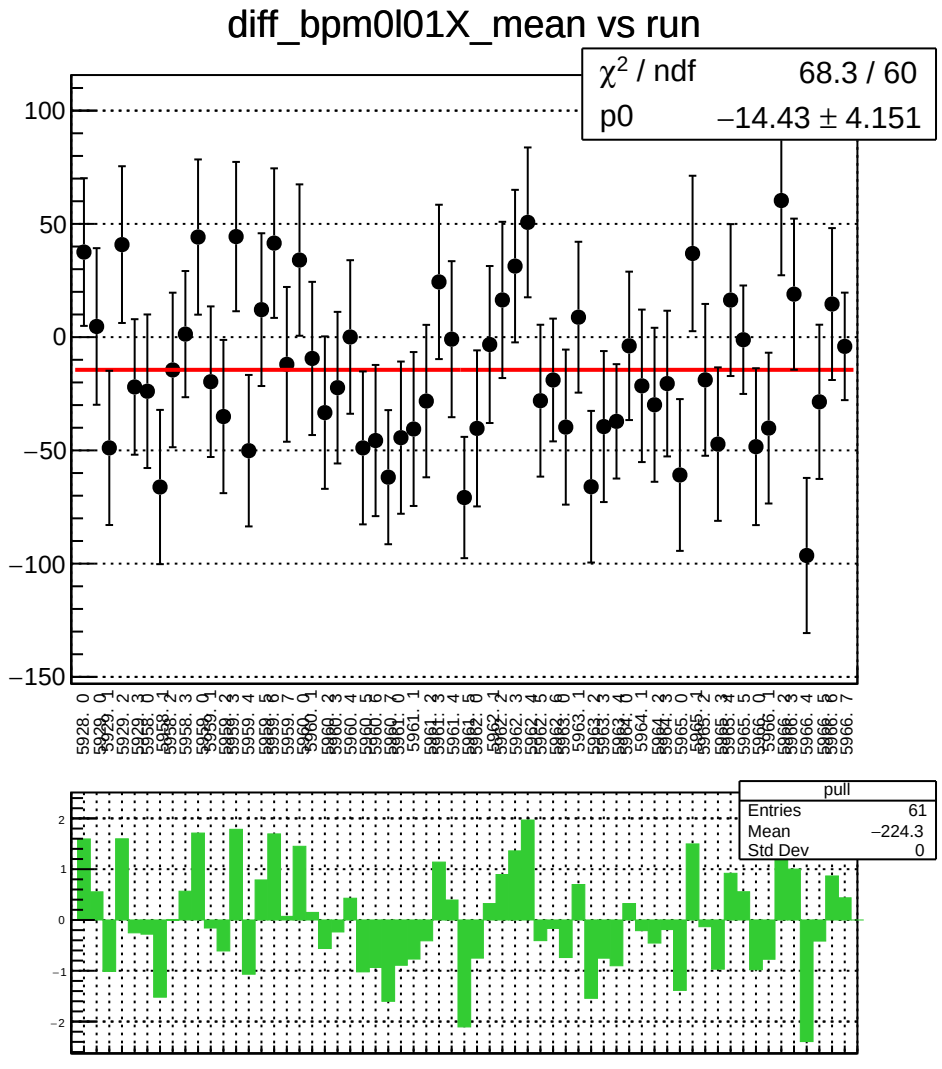

pull1D
Entries 61
Mean −0.05807
Std Dev 1.214

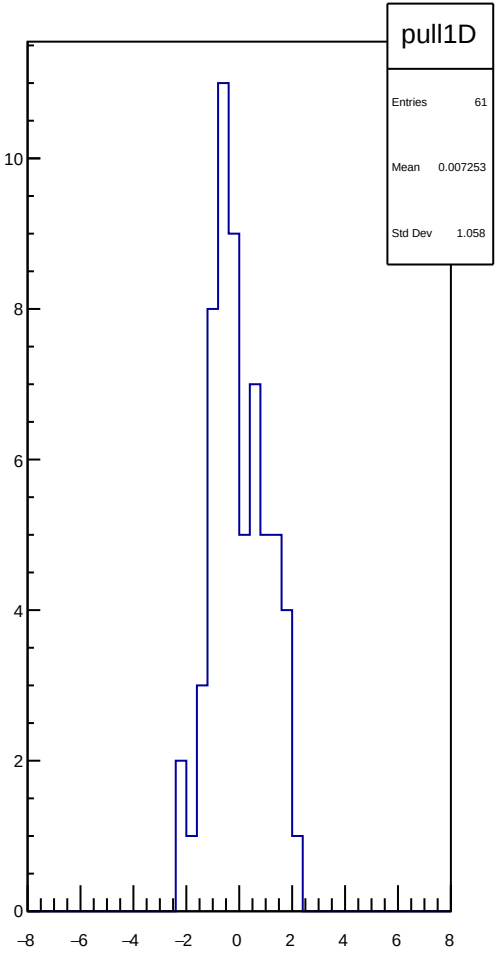

diff_bpm0i01aX_rms vs run
χ² / ndf 1.279e+04 / 60
p0 1792 ± 1.649
2400
2200
2000
1800
1600
1400

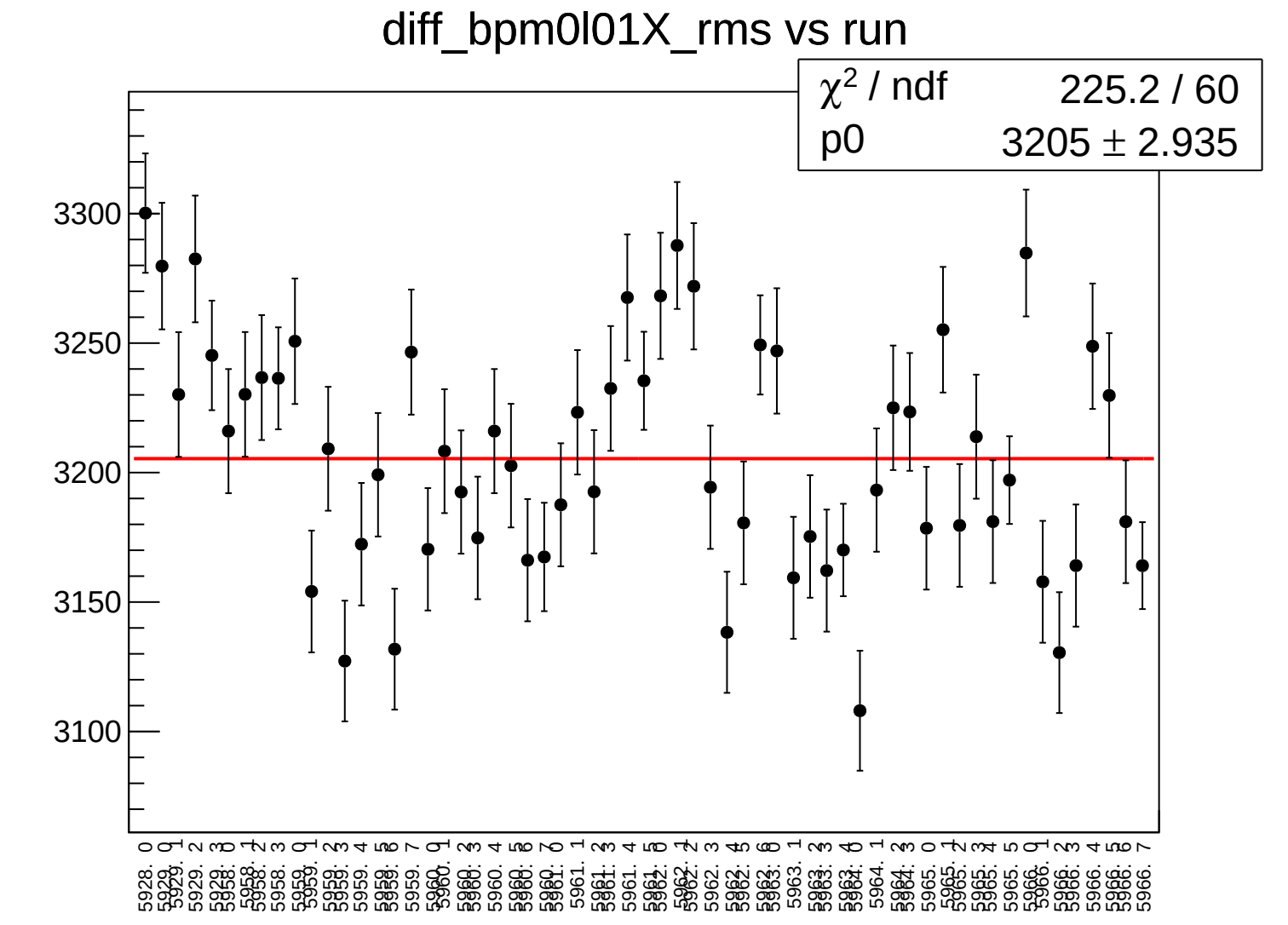

diff_bpm0i01aY_mean vs run
χ² / ndf 66.19 / 60
p0 5.357 ± 2.268
pull
Entries 61
Mean −83.06
Std Dev 0

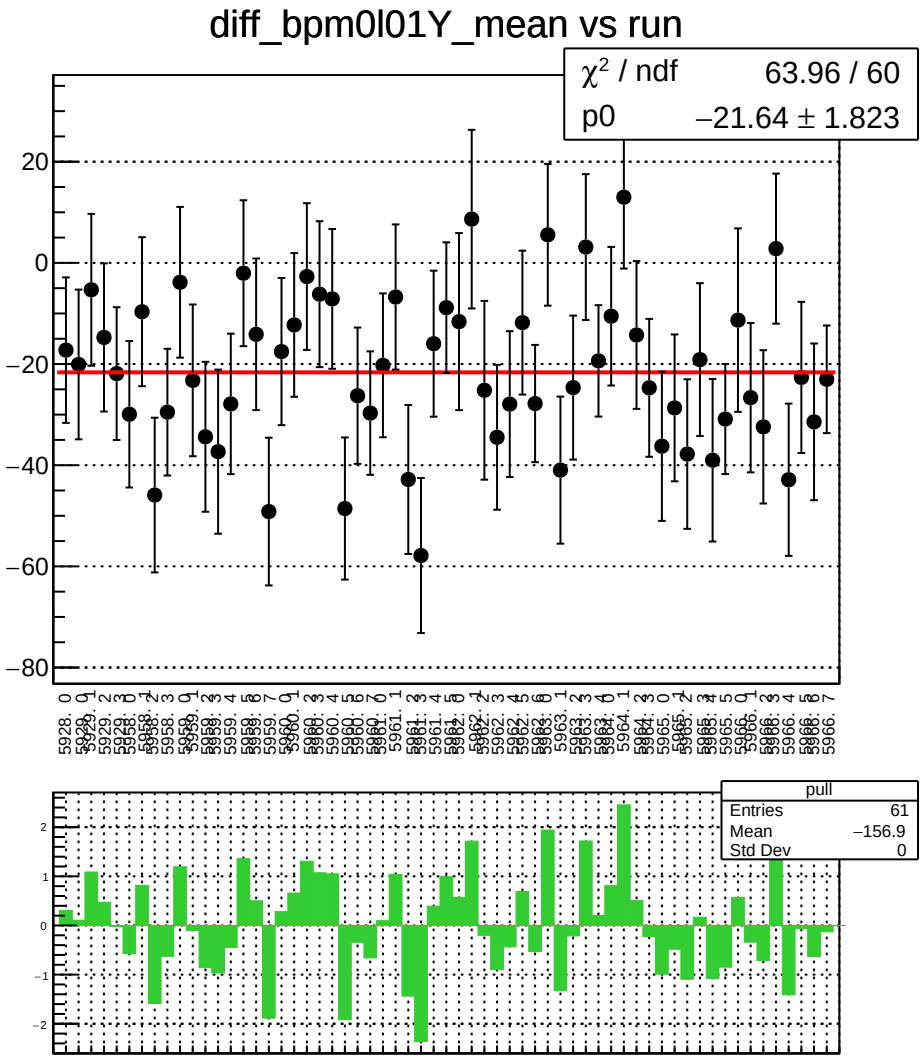

pull1D
Entries 61
Mean −0.01739
Std Dev 1.042

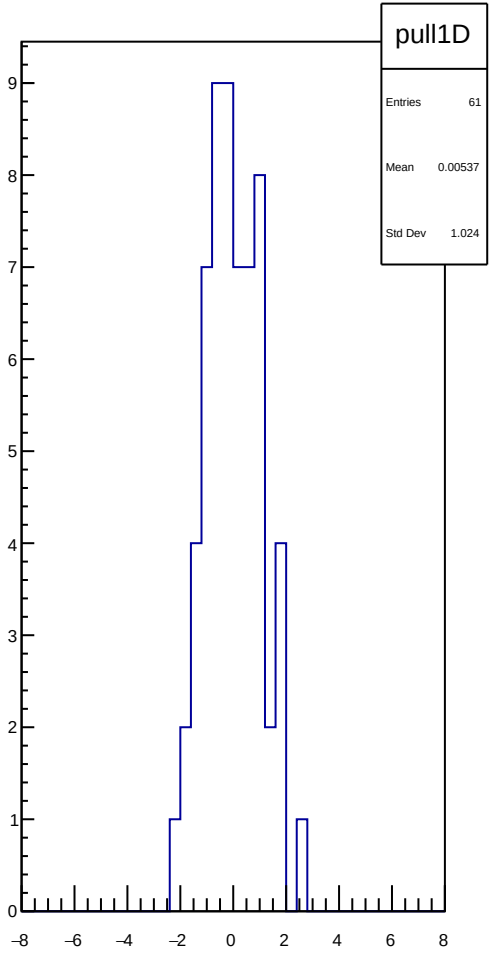

diff_bpm0i01aY_rms vs run
χ² / ndf 6842 / 60
p0 1747 ± 1.604
2300
2200
2100
2000
1900
1800
1700
1600
1500

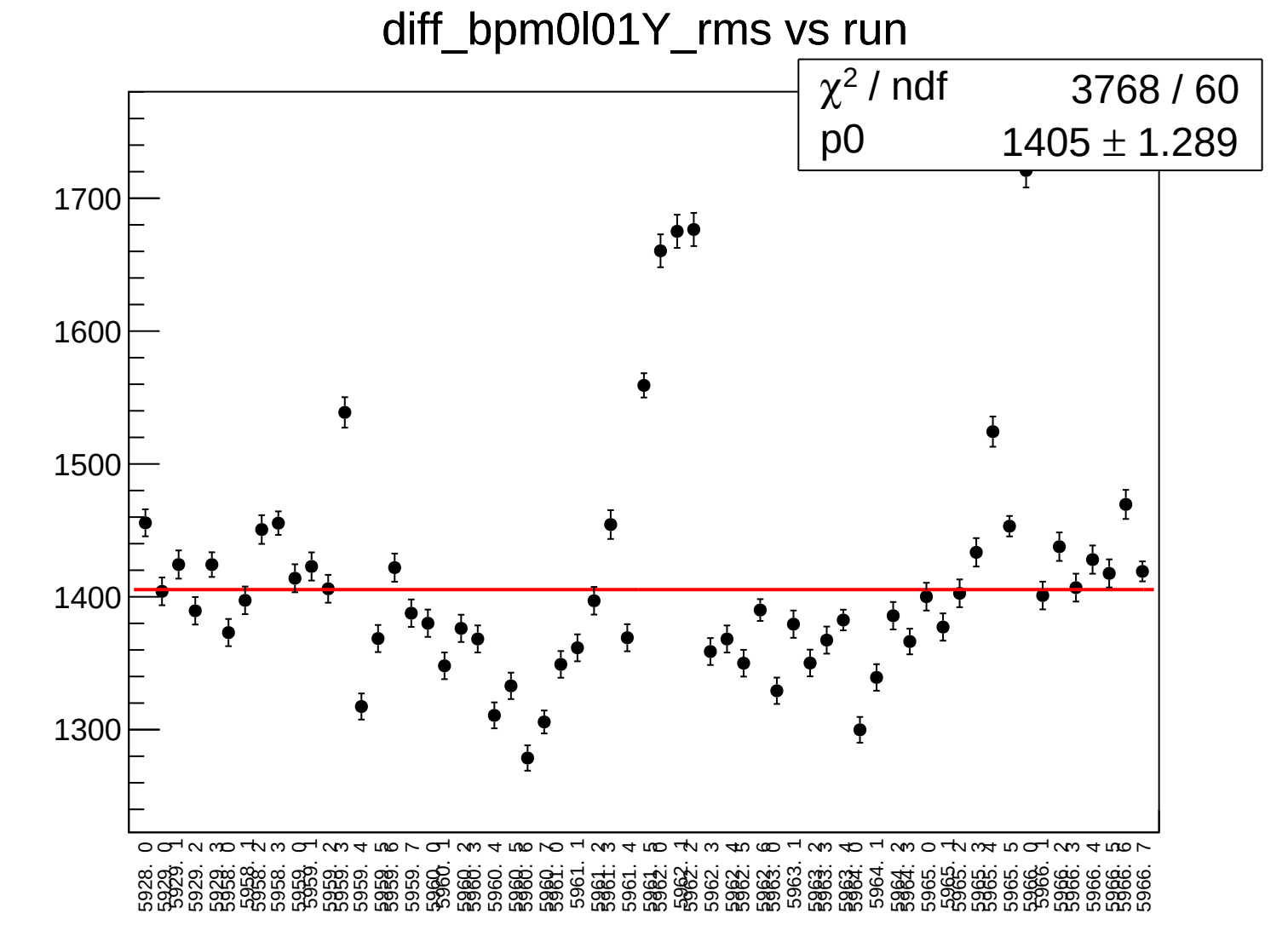

diff_bpm0l01X_mean vs run
χ² / ndf 68.3 / 60
p0 −14.43 ± 4.151
pull
Entries 61
Mean −224.3
Std Dev 0

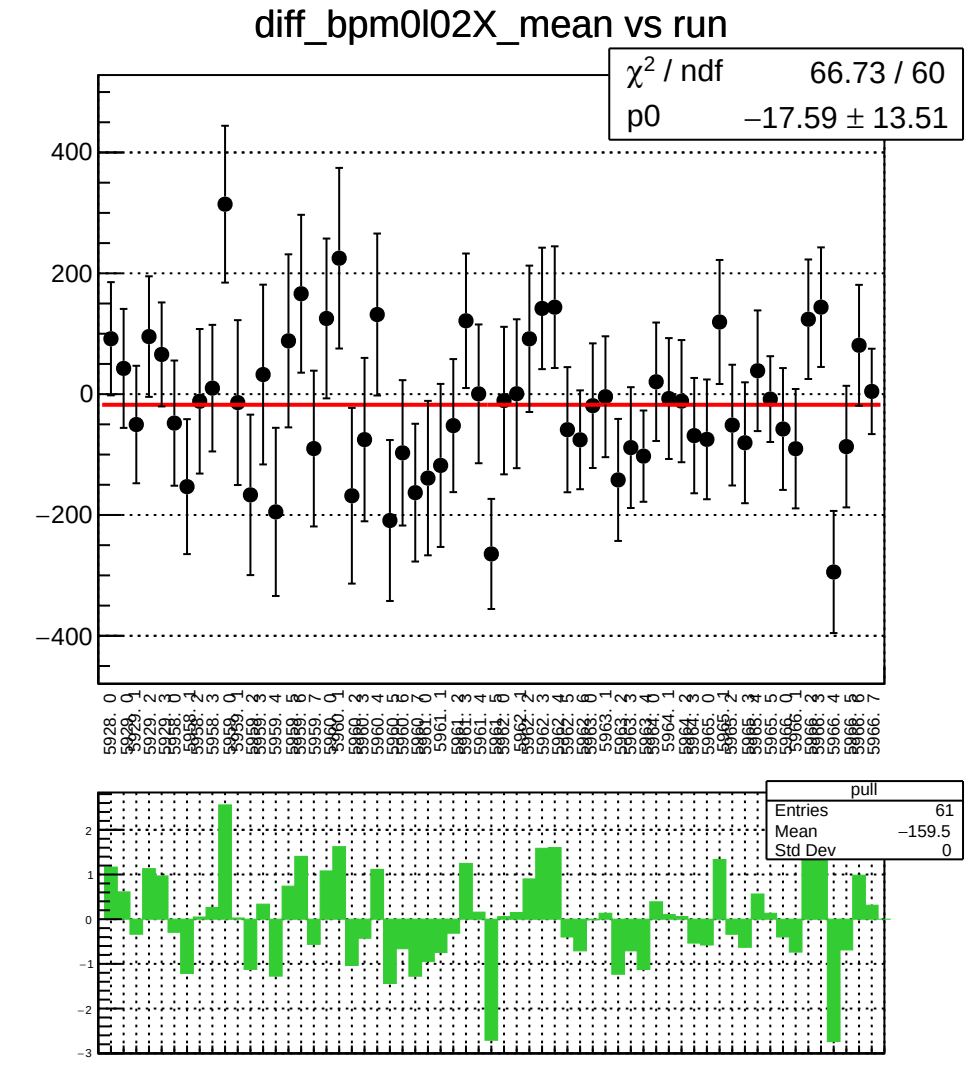

pull1D
Entries 61
Mean 0.007253
Std Dev 1.058

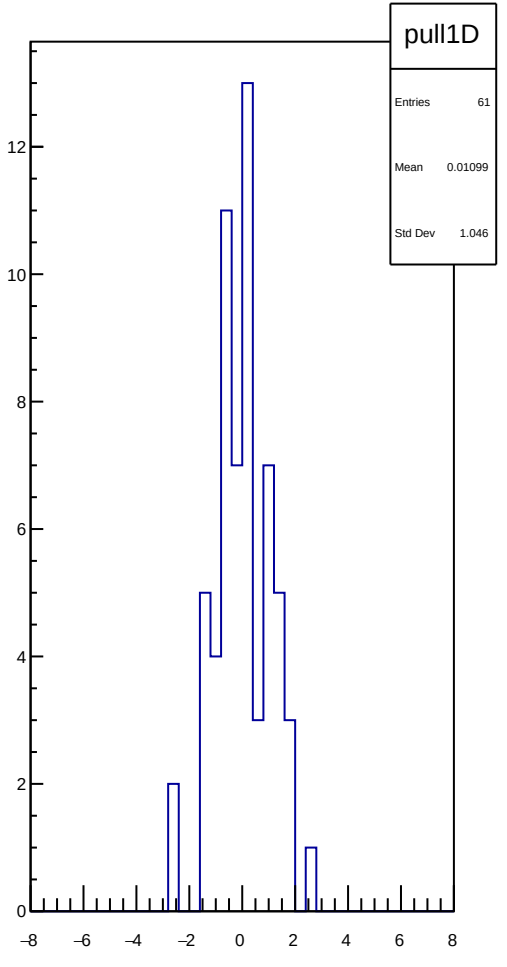

diff_bpm0l01X_rms vs run
χ² / ndf 225.2 / 60
p0 3205 ± 2.935
3300
3250
3200
3150
3100

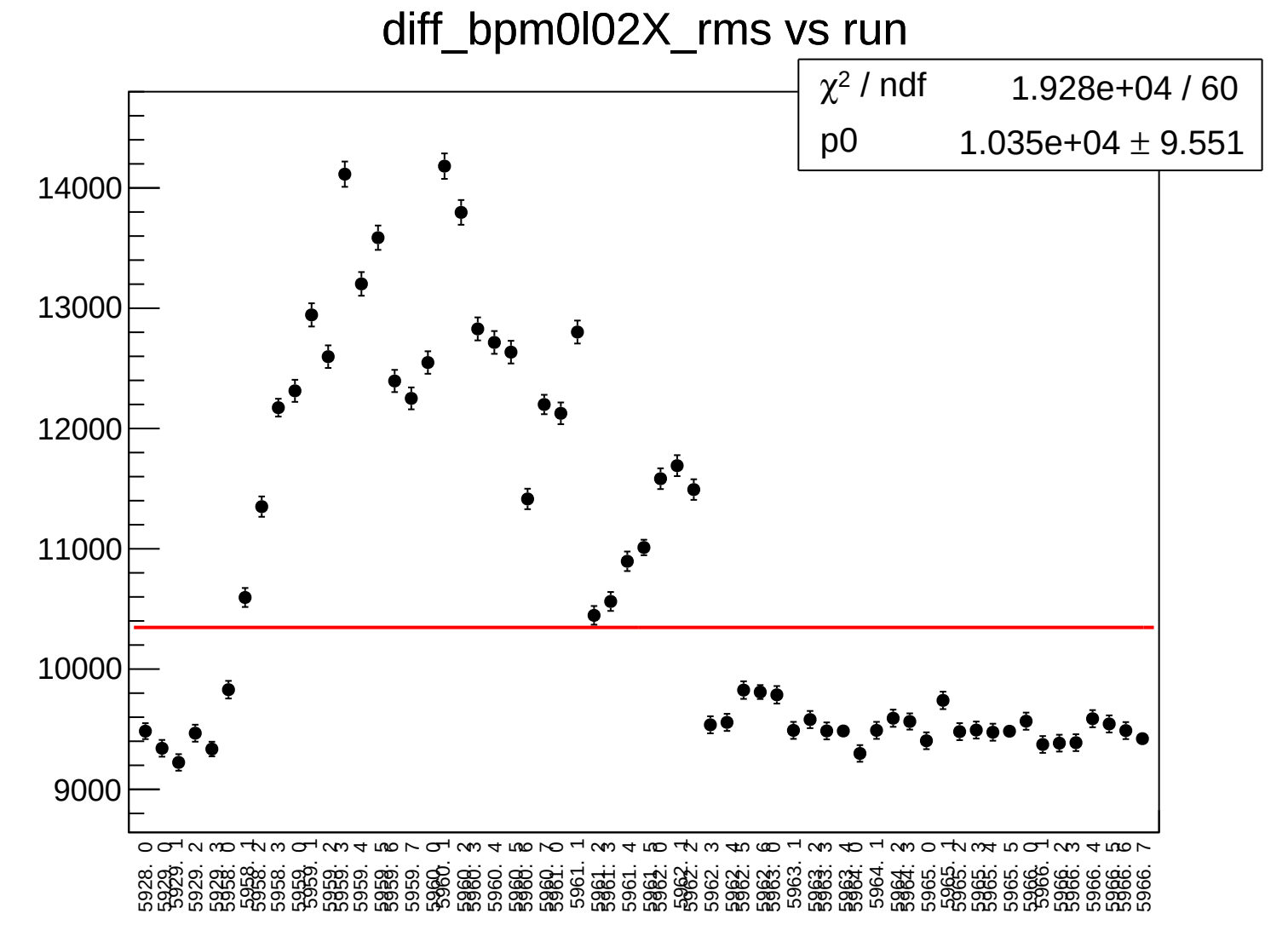

diff_bpm0l01Y_mean vs run
χ² / ndf 63.96 / 60
p0 −21.64 ± 1.823
pull
Entries 61
Mean −156.9
Std Dev 0

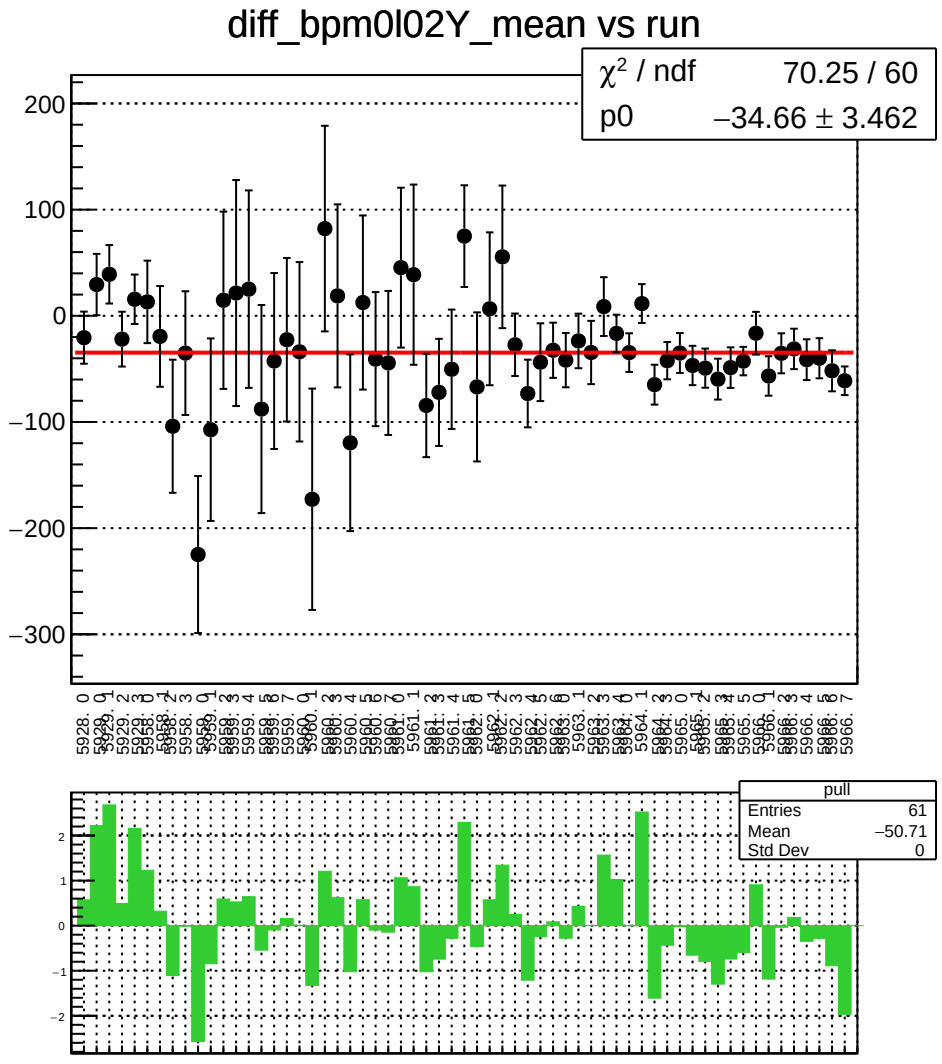

pull1D
Entries 61
Mean 0.00537
Std Dev 1.024

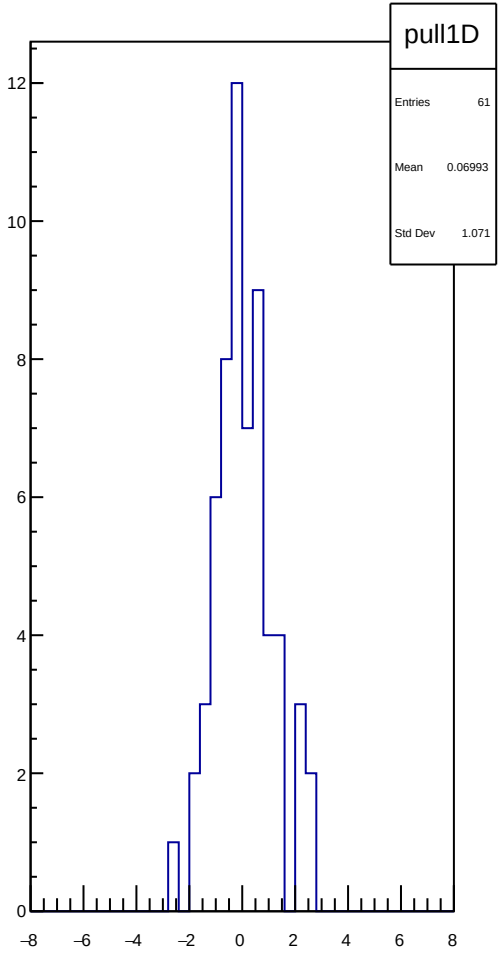

diff_bpm0l01Y_rms vs run
χ² / ndf 3768 / 60
p0 1405 ± 1.289
1700
1600
1500
1400
1300

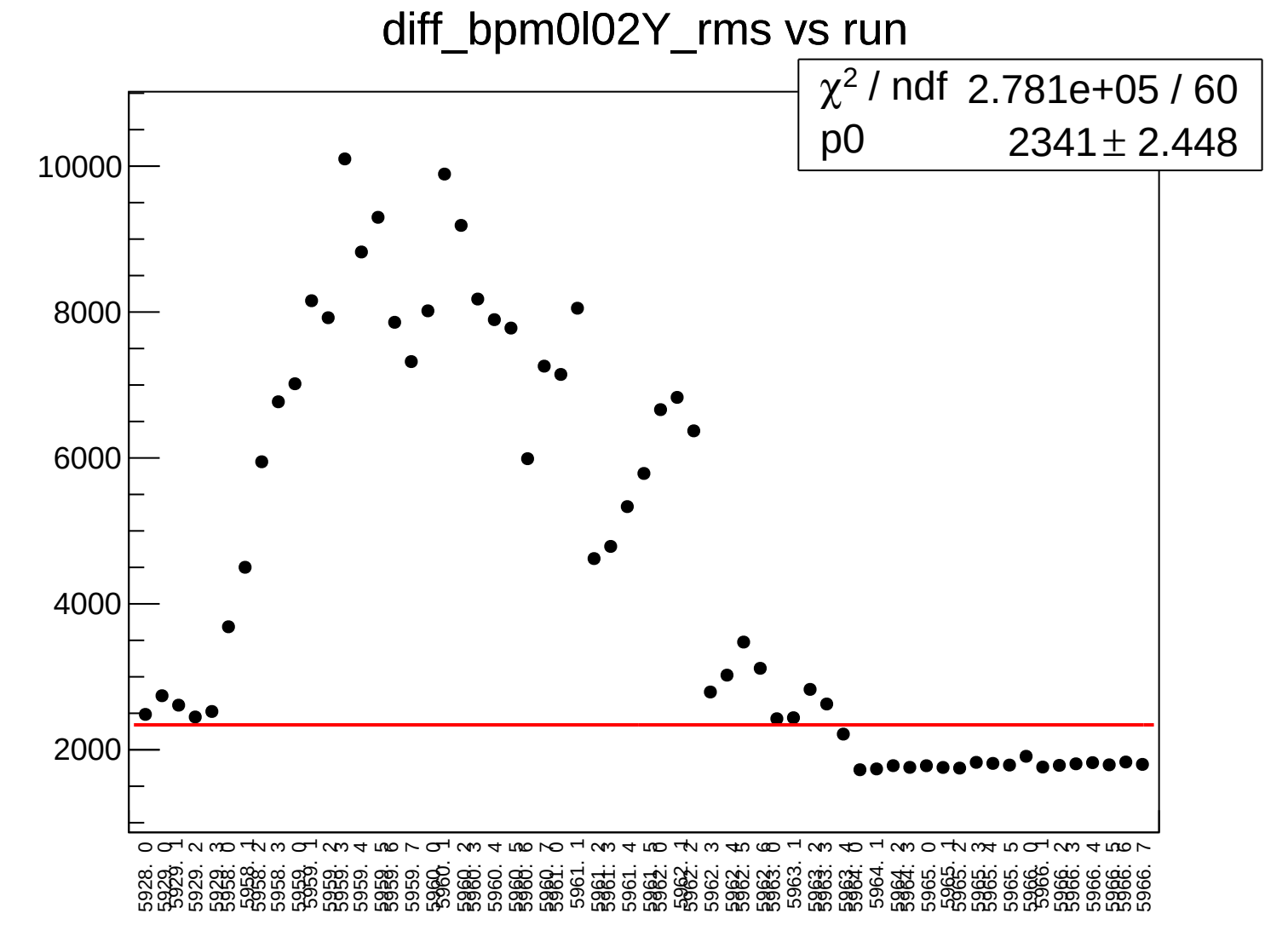

diff_bpm0l02X_mean vs run
χ² / ndf 66.73 / 60
p0 −17.59 ± 13.51
400
200
0
−200
−400
pull
Entries 61
Mean −159.5
Std Dev 0
2
1
0
−1
−2
−3

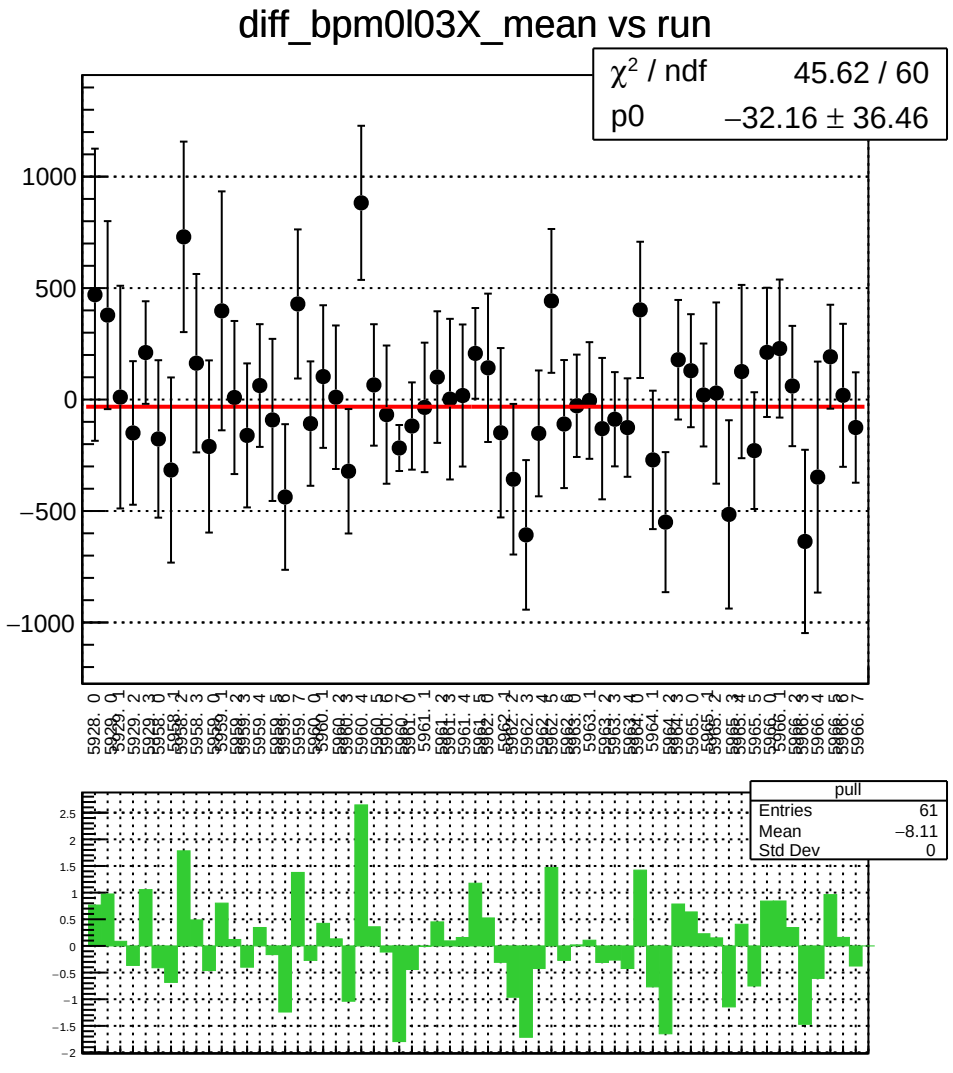

pull1D
Entries 61
Mean 0.01099
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

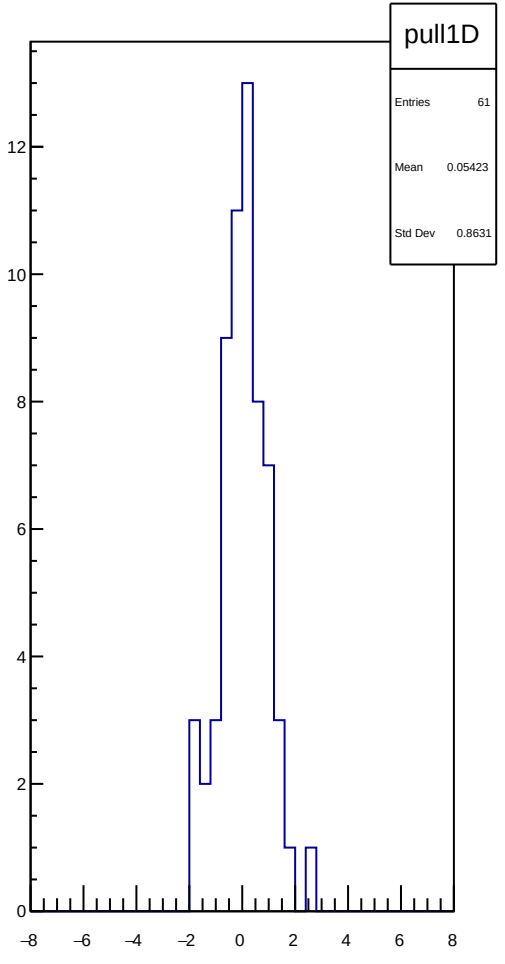

diff_bpm0l02X_rms vs run
χ² / ndf 1.928e+04 / 60
p0 1.035e+04 ± 9.551
14000
13000
12000
11000
10000
9000

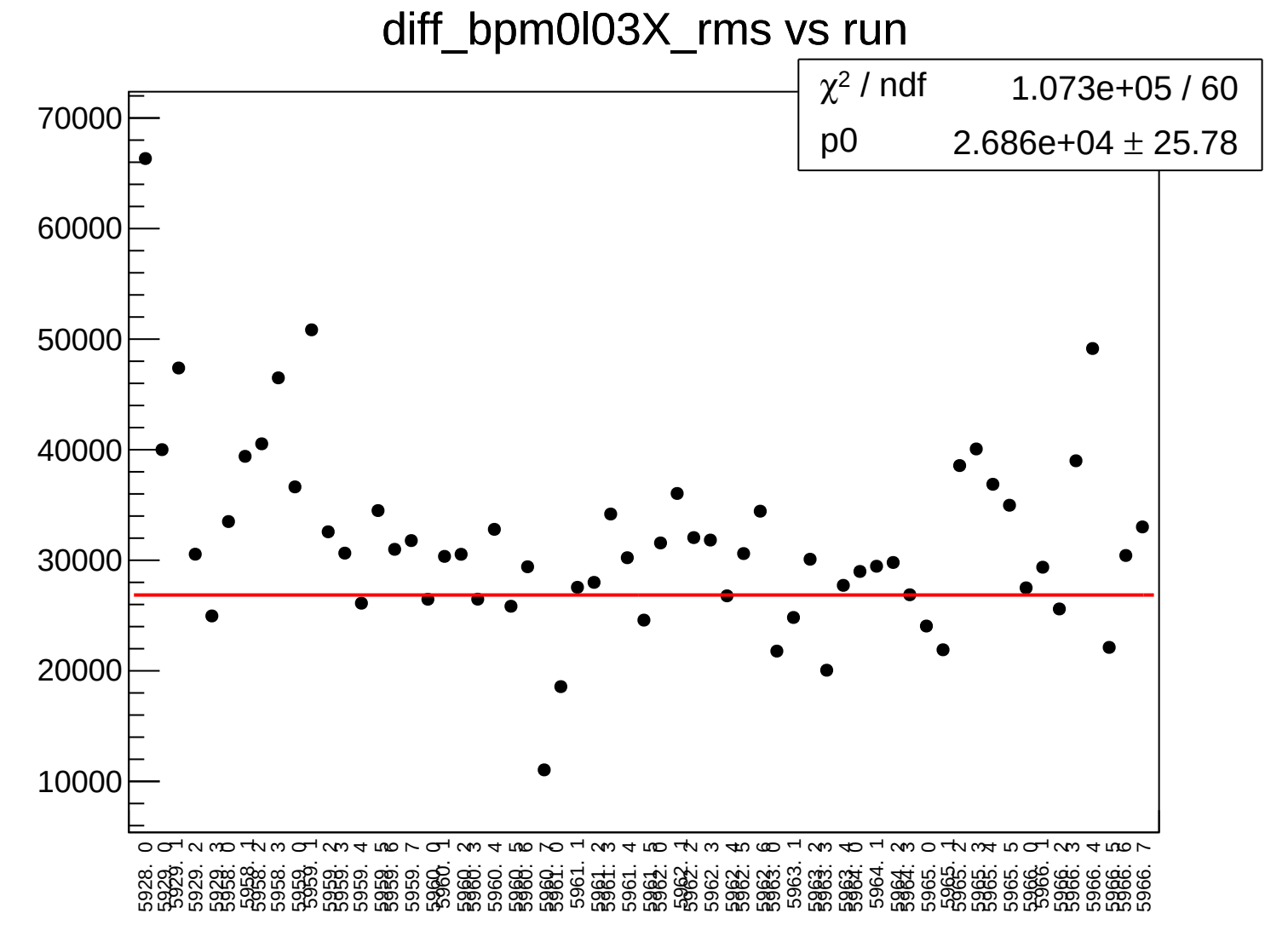

diff_bpm0l02Y_mean vs run
χ² / ndf 70.25 / 60
p0 −34.66 ± 3.462
pull
Entries 61
Mean −50.71
Std Dev 0

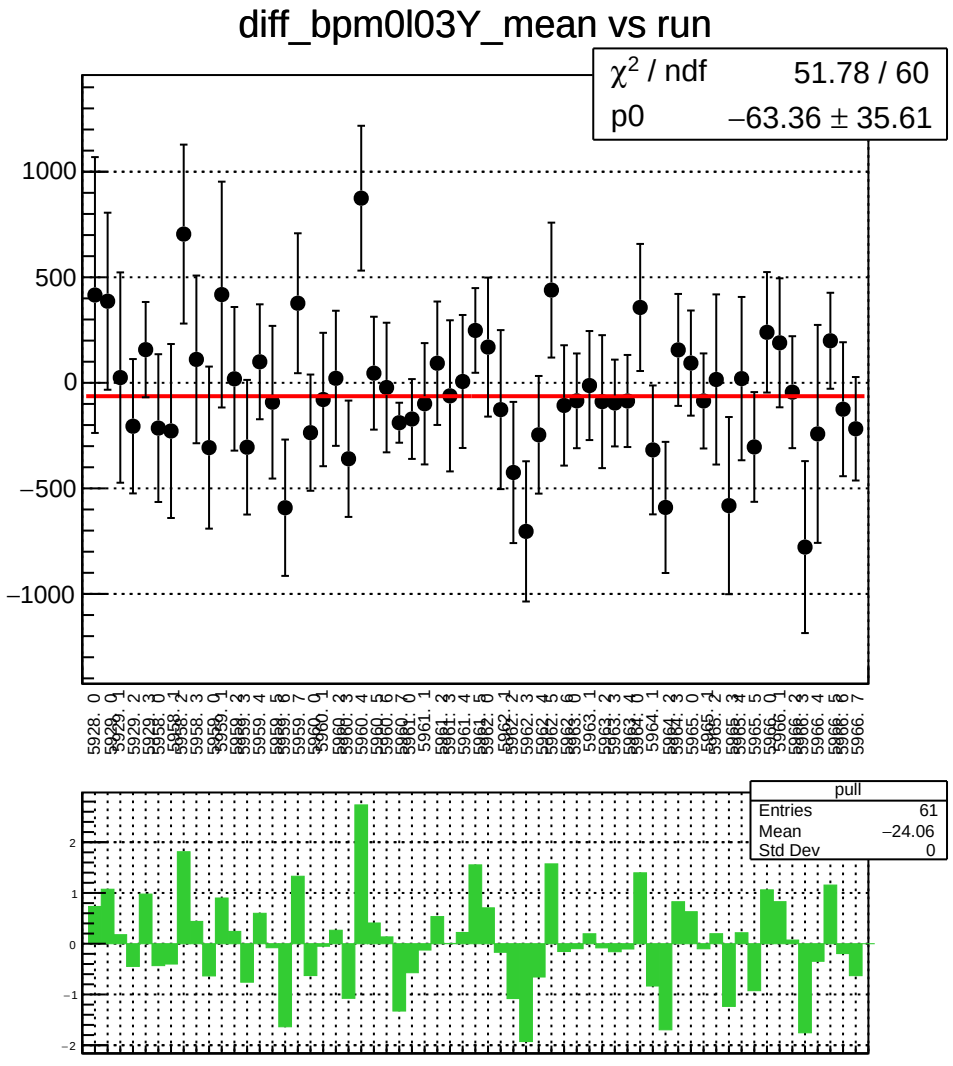

pull1D
Entries 61
Mean 0.06993
Std Dev 1.071

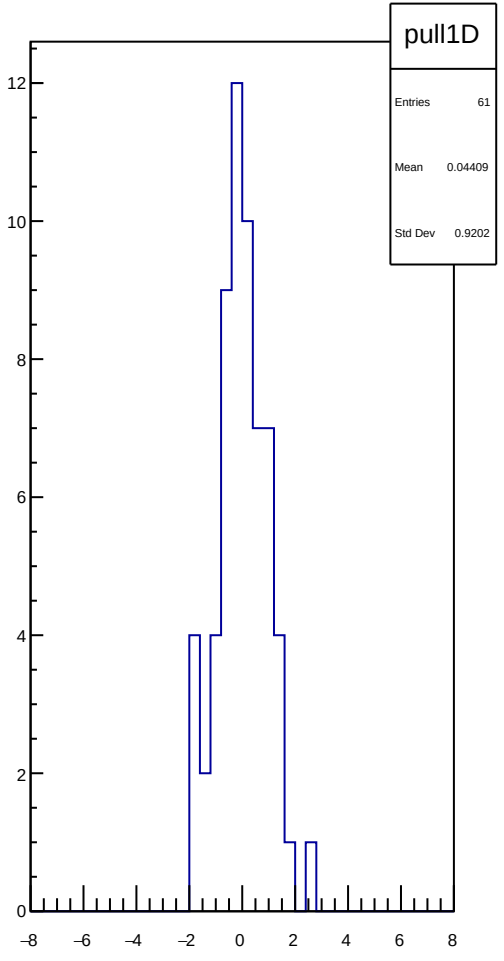

diff_bpm0l02Y_rms vs run
χ² / ndf 2.781e+05 / 60
p0 2341 ± 2.448
10000
8000
6000
4000
2000

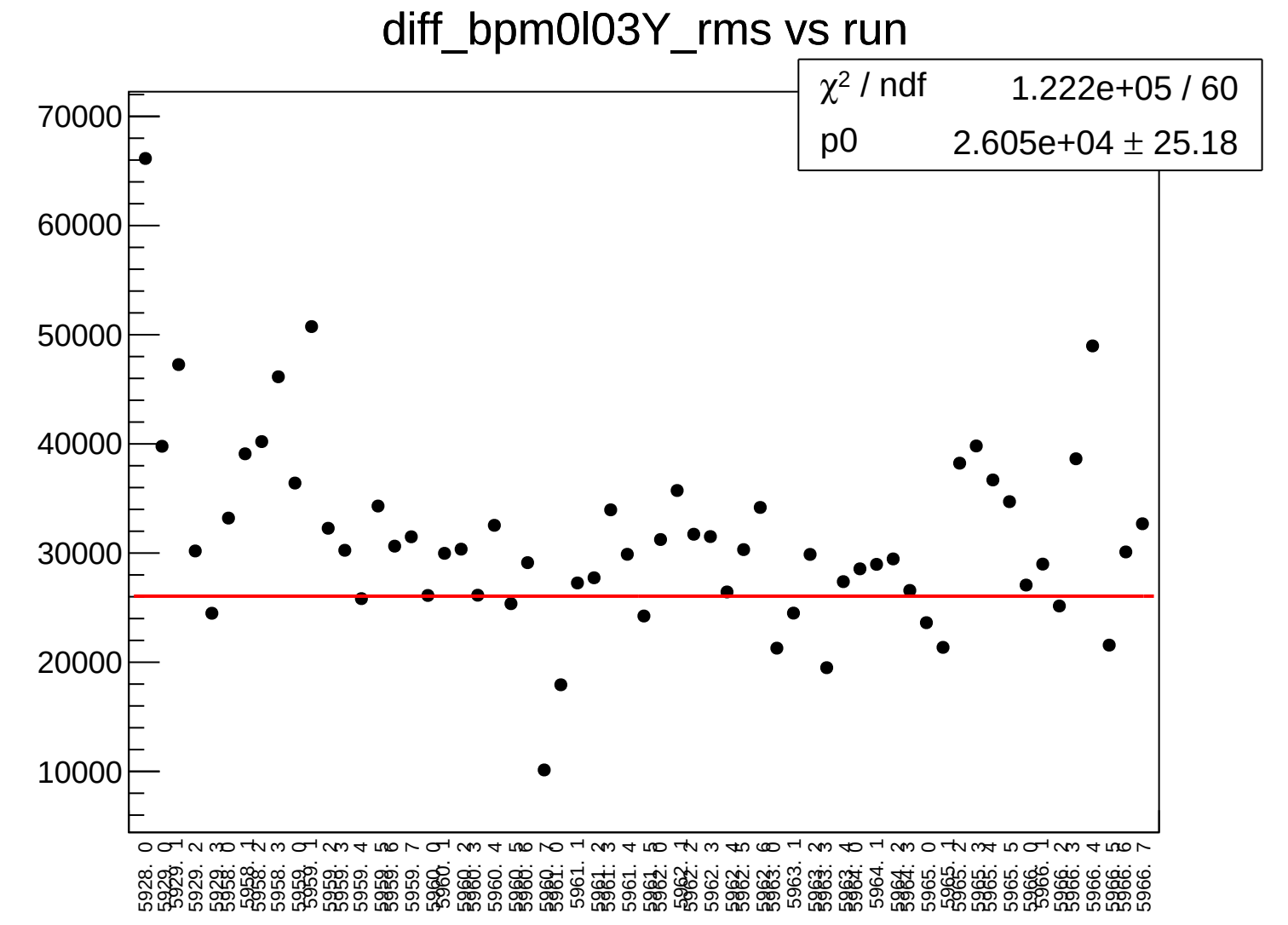

diff_bpm0l03X_mean vs run
χ² / ndf 45.62 / 60
p0 −32.16 ± 36.46
1000
500
0
−500
−1000
pull
Entries 61
Mean −8.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

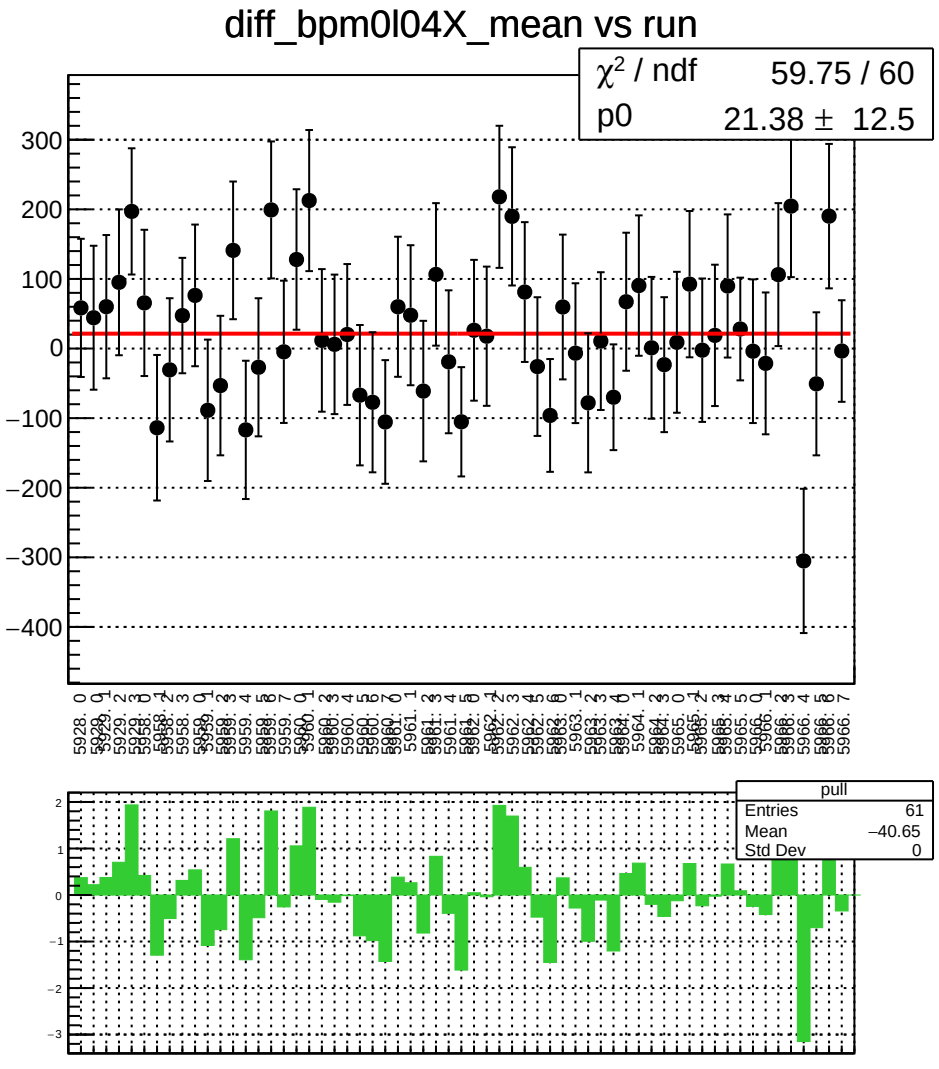

pull1D
Entries 61
Mean 0.05423
Std Dev 0.8631
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

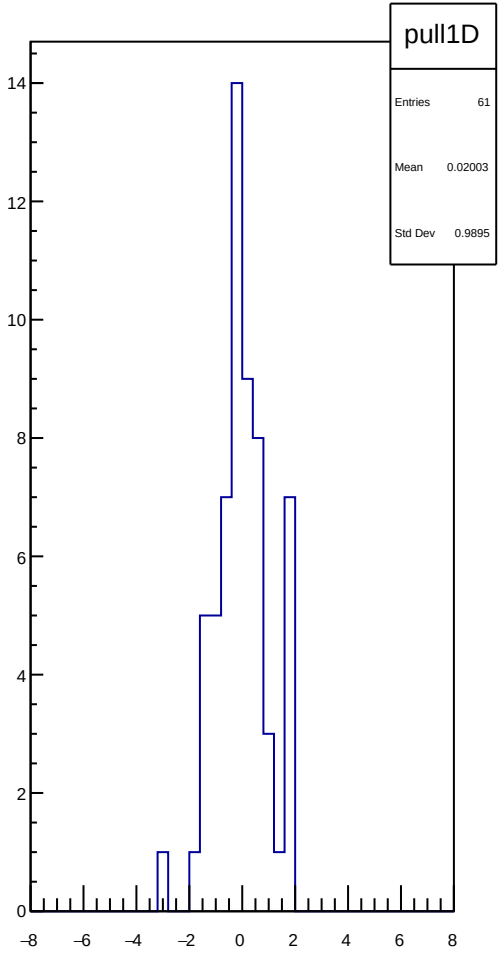

diff_bpm0l03X_rms vs run
χ^2 / ndf 1.073e+05 / 60
p0 2.686e+04 ± 25.78
70000
60000
50000
40000
30000
20000
10000

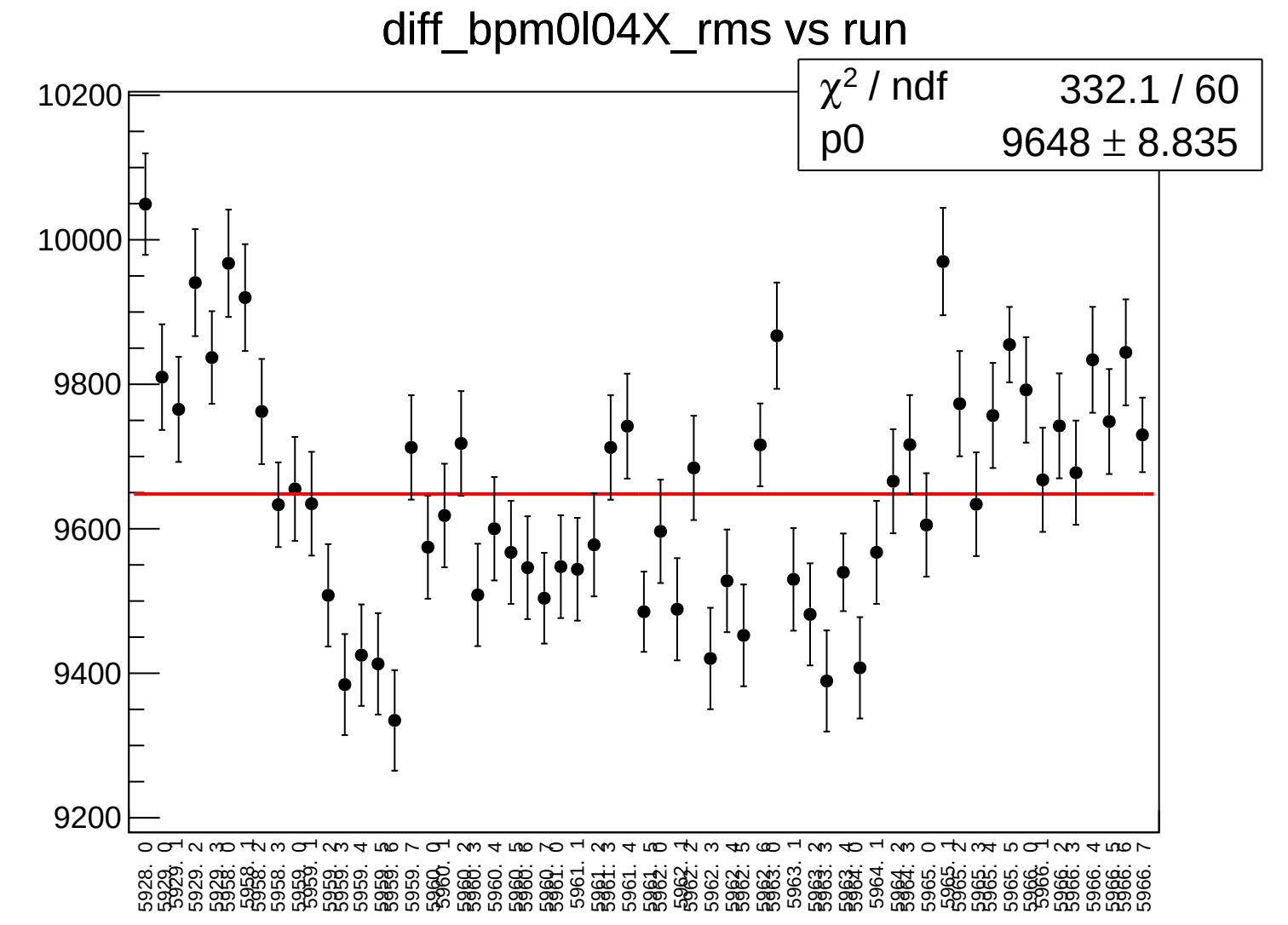

diff_bpm0l03Y_mean vs run
χ² / ndf 51.78 / 60
p0 −63.36 ± 35.61
1000
500
0
−500
−1000
pull
Entries 61
Mean −24.06
Std Dev 0
2
1
0
−1
−2

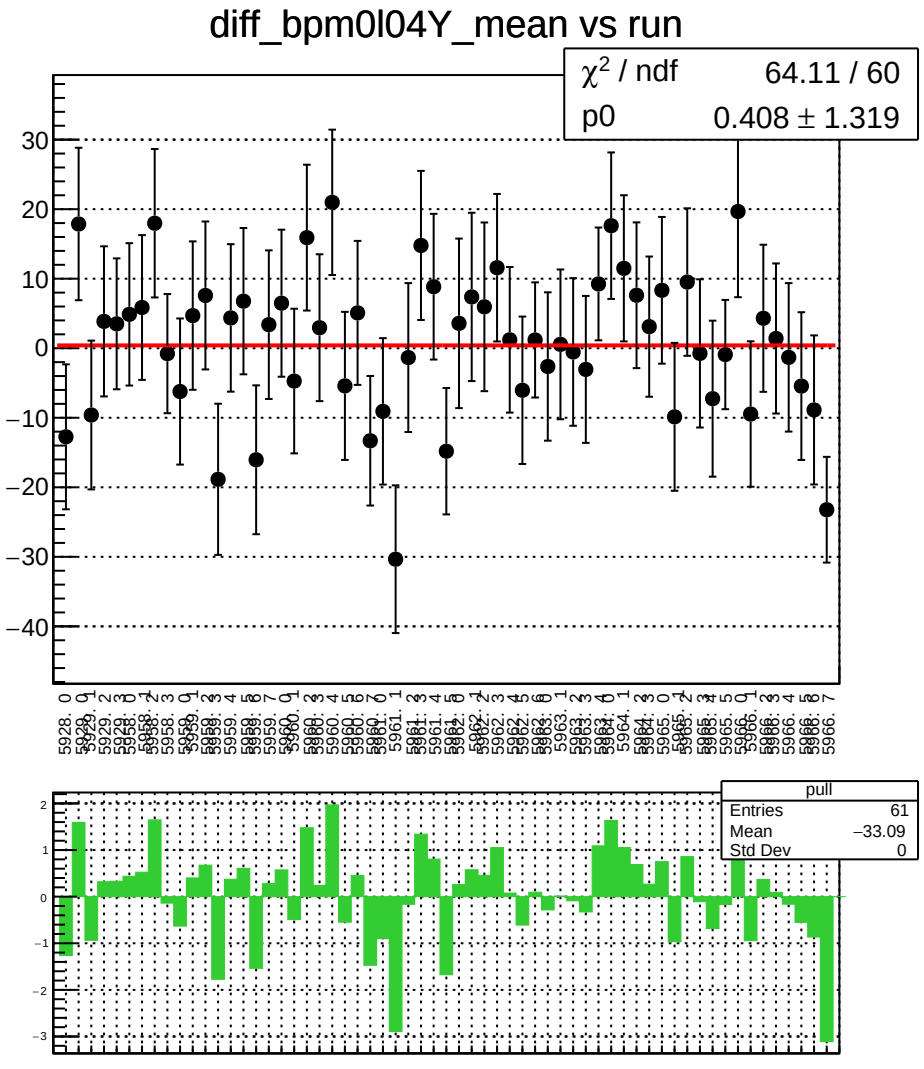

pull1D
Entries 61
Mean 0.04409
Std Dev 0.9202
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

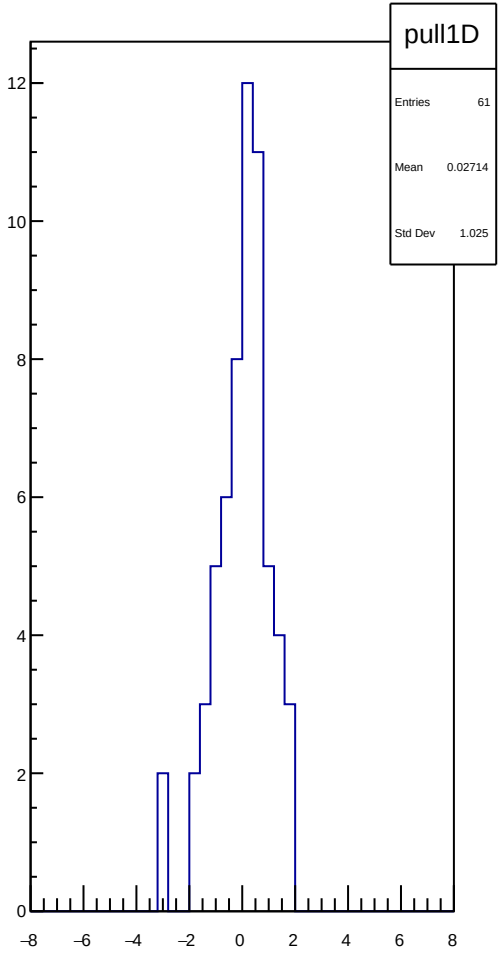

diff_bpm0l03Y_rms vs run
χ² / ndf 1.222e+05 / 60
p0 2.605e+04 ± 25.18
70000
60000
50000
40000
30000
20000
10000

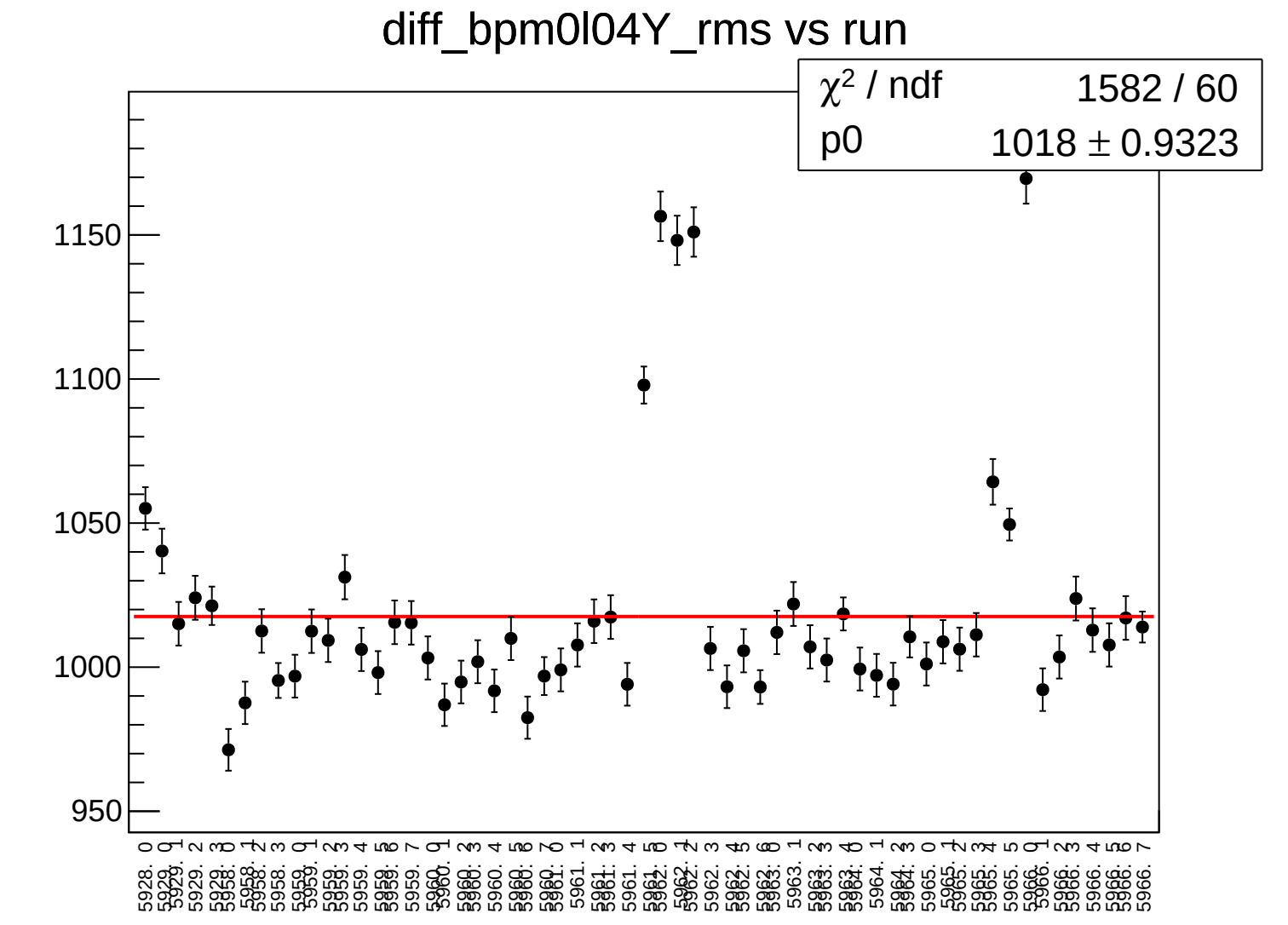

diff_bpm0l04X_mean vs run
χ² / ndf 59.75 / 60
p0 21.38 ± 12.5
pull
Entries 61
Mean −40.65
Std Dev 0

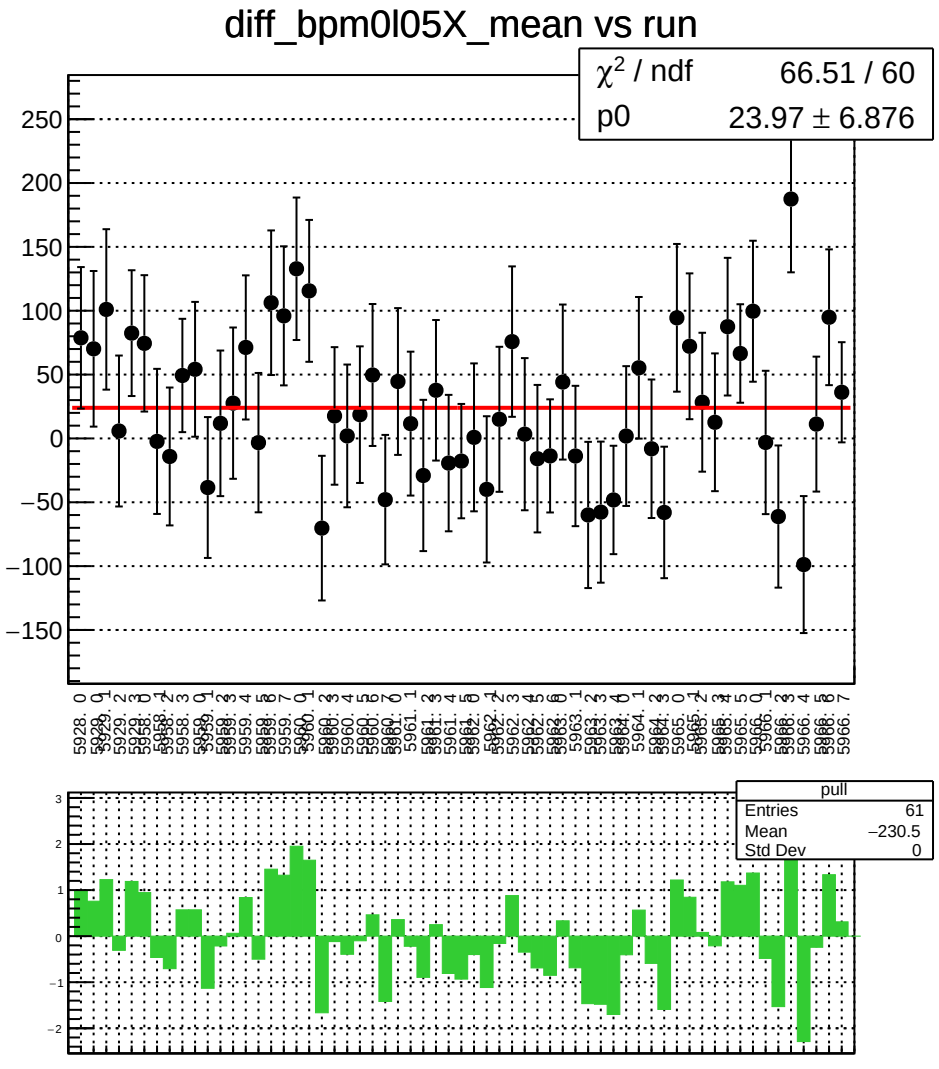

pull1D
Entries 61
Mean 0.02003
Std Dev 0.9895

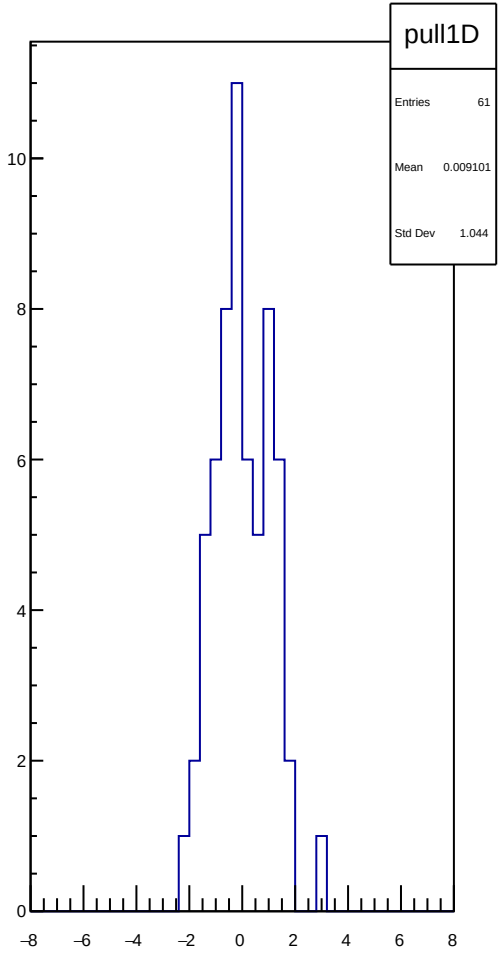

diff_bpm0l04X_rms vs run
χ² / ndf 332.1 / 60
p0 9648 ± 8.835
10200
10000
9800
9600
9400
9200

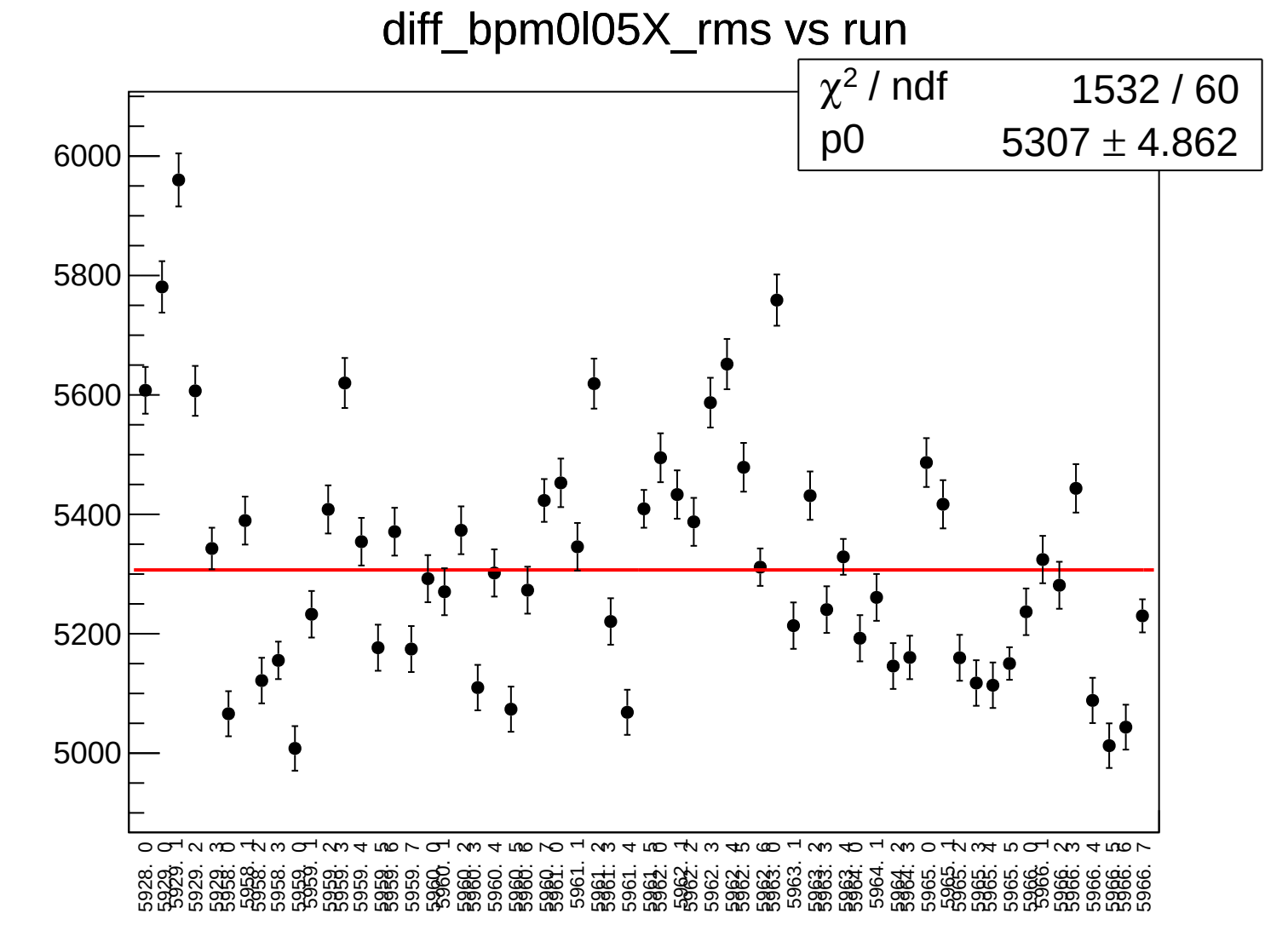

diff_bpm0l04Y_mean vs run
χ² / ndf 64.11 / 60
p0 0.408 ± 1.319
pull
Entries 61
Mean −33.09
Std Dev 0

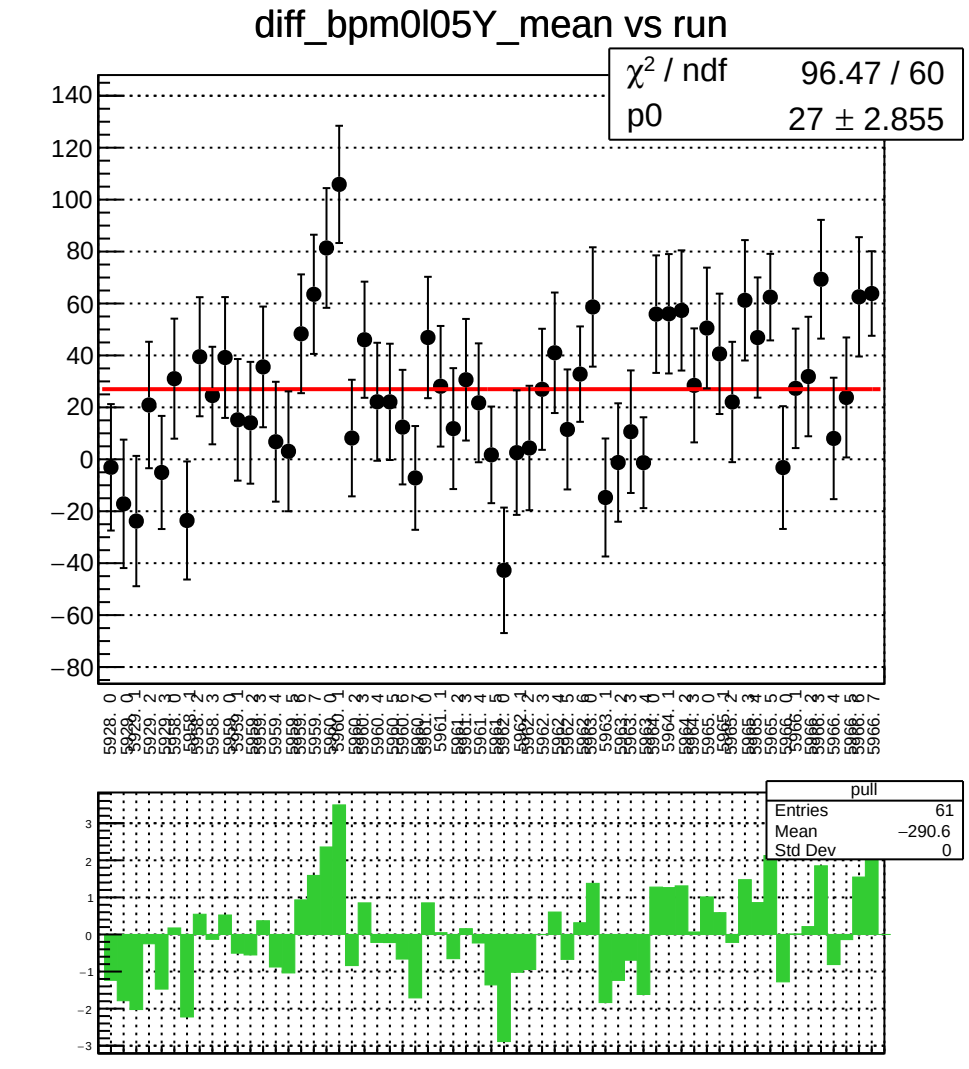

pull1D
Entries 61
Mean 0.02714
Std Dev 1.025

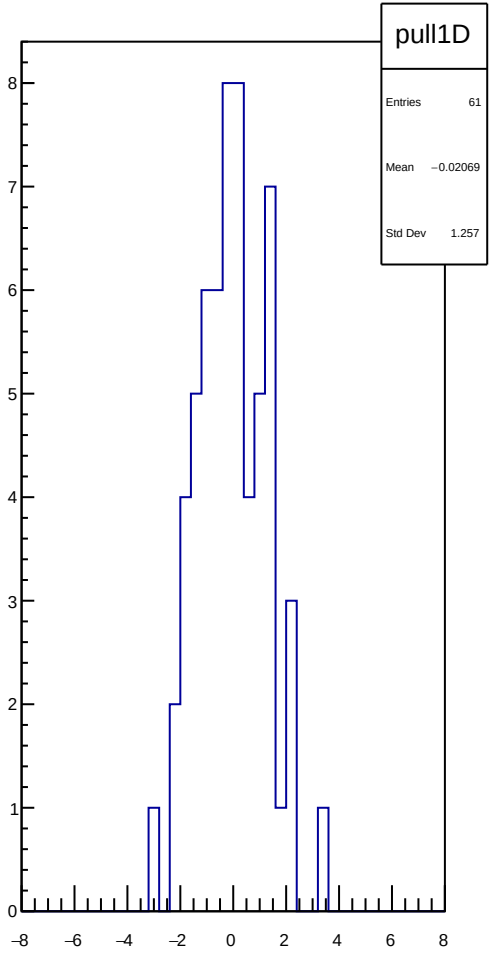

diff_bpm0l04Y_rms vs run
χ² / ndf 1582 / 60
p0 1018 ± 0.9323
1150
1100
1050
1000
950

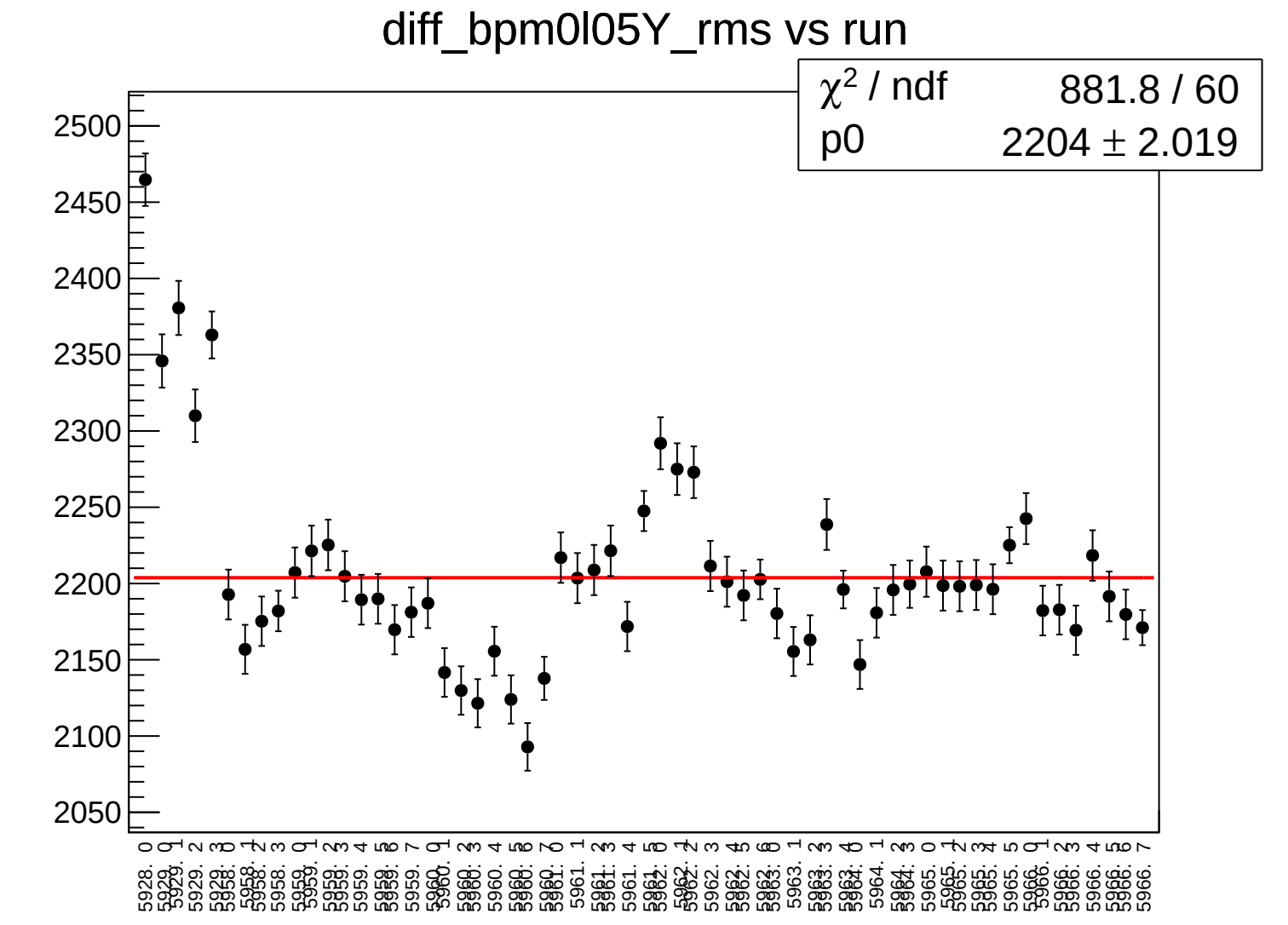

diff_bpm0l05X_mean vs run
χ² / ndf 66.51 / 60
p0 23.97 ± 6.876
pull
Entries 61
Mean −230.5
Std Dev 0

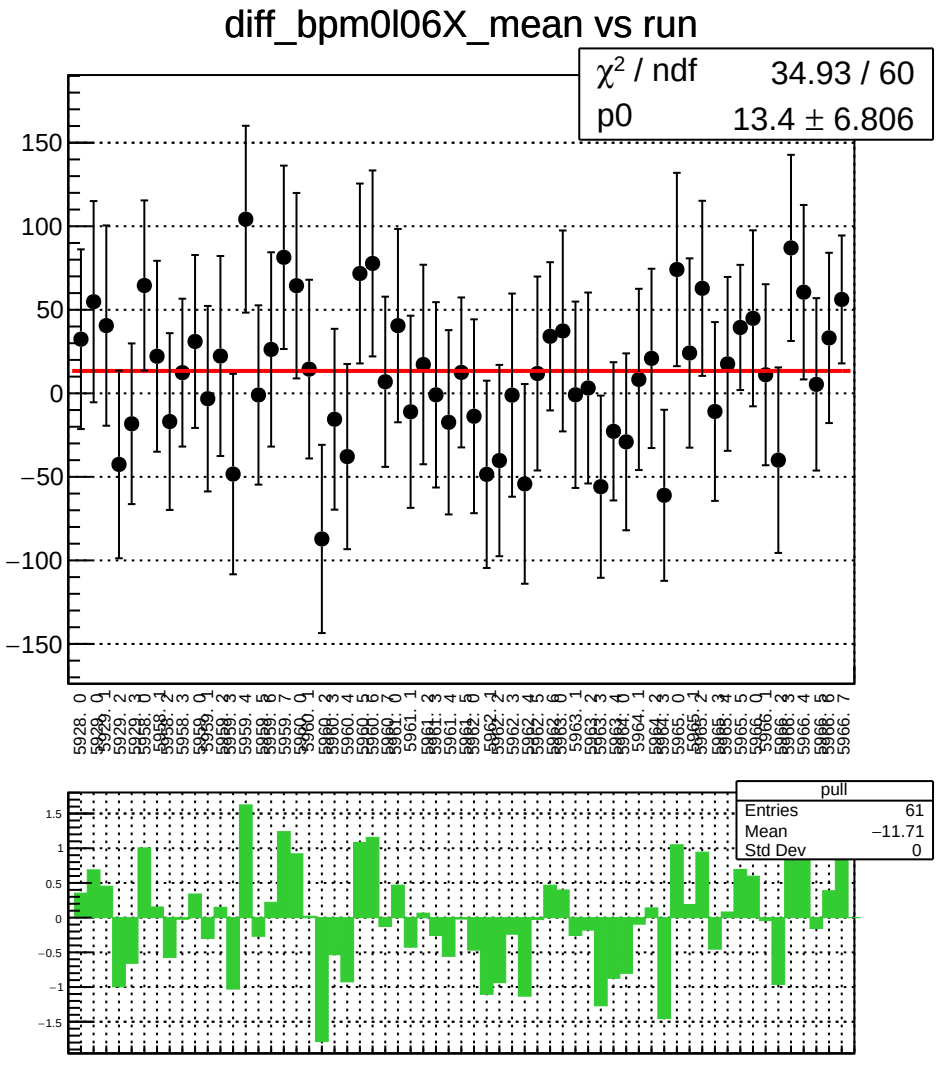

pull1D
Entries 61
Mean 0.009101
Std Dev 1.044

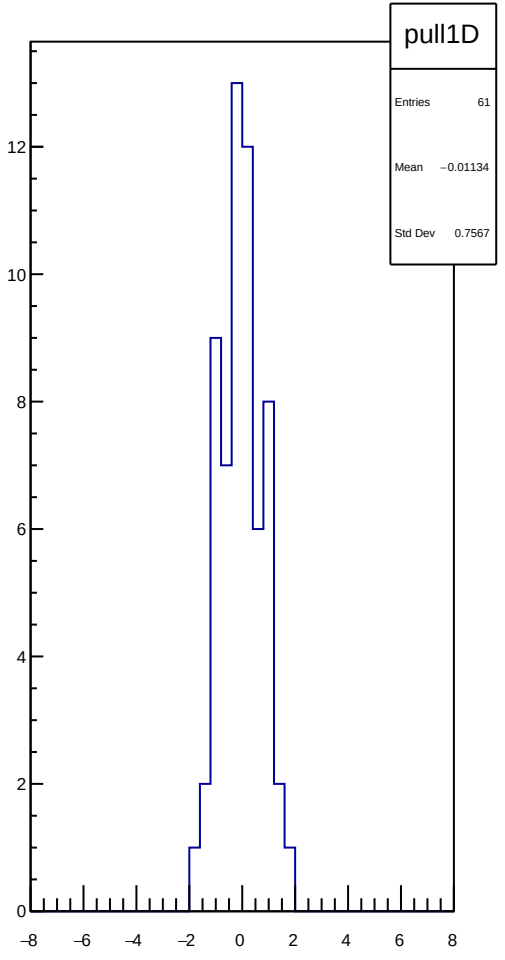

diff_bpm0l05X_rms vs run
χ² / ndf 1532 / 60
p0 5307 ± 4.862
6000
5800
5600
5400
5200
5000

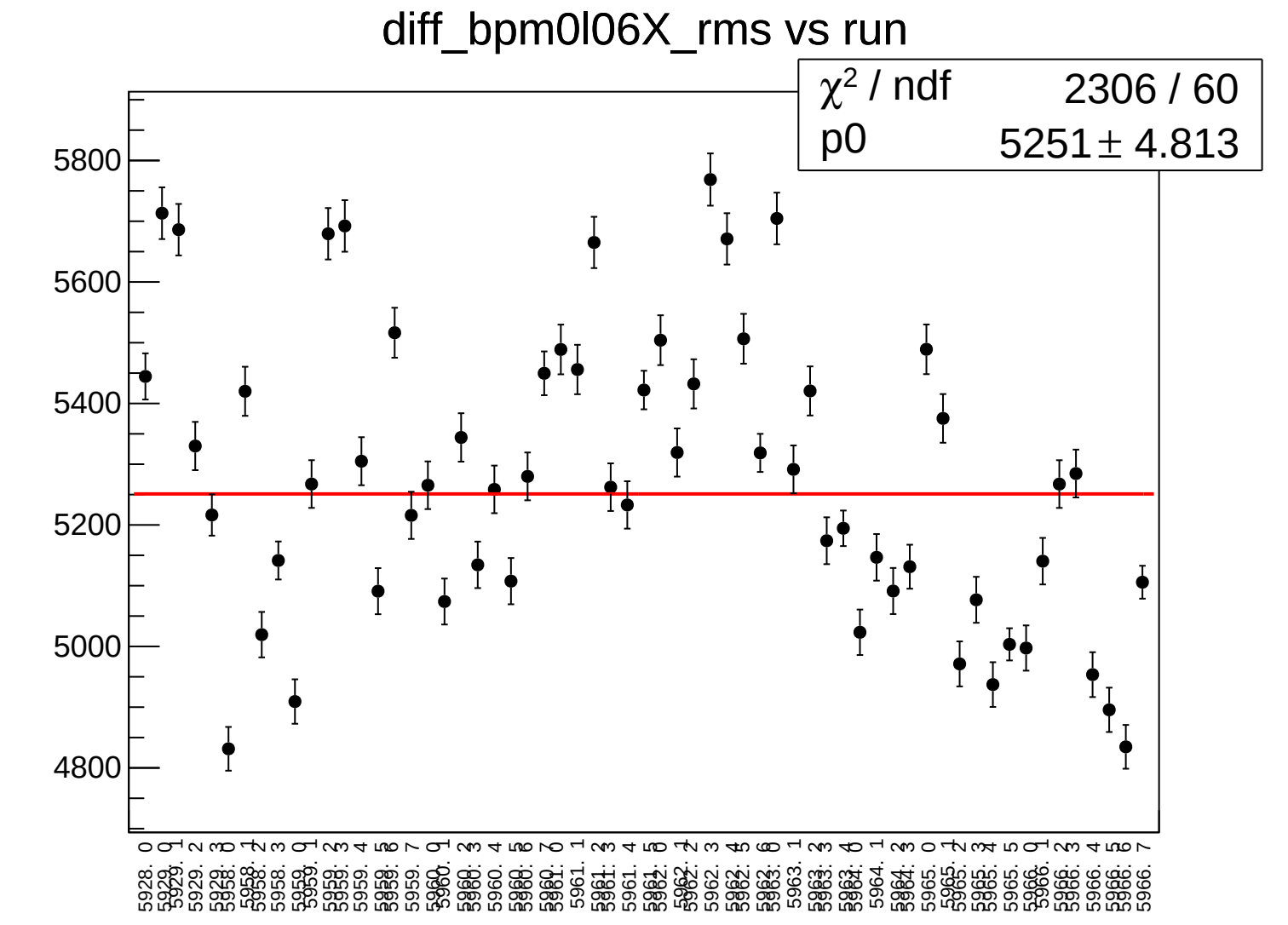

diff_bpm0l05Y_mean vs run
χ² / ndf 96.47 / 60
p0 27 ± 2.855
pull
Entries 61
Mean −290.6
Std Dev 0

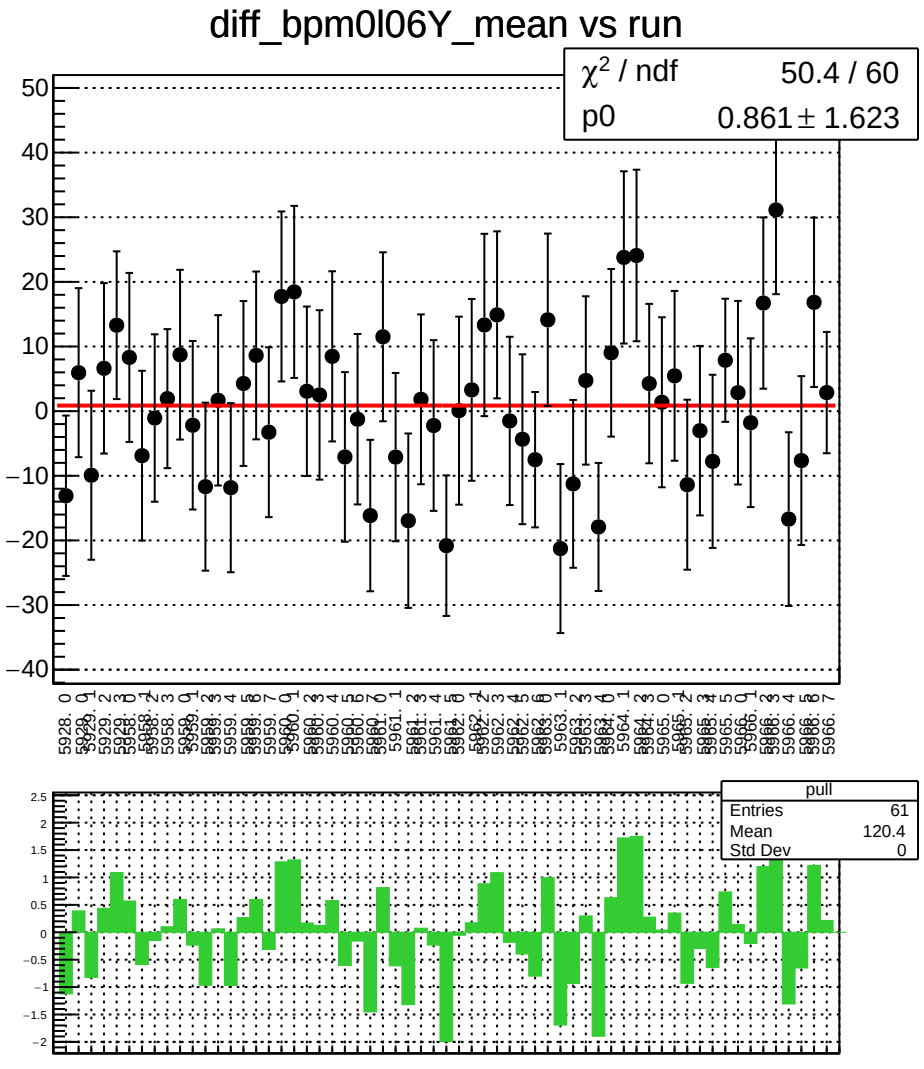

pull1D
Entries 61
Mean −0.02069
Std Dev 1.257

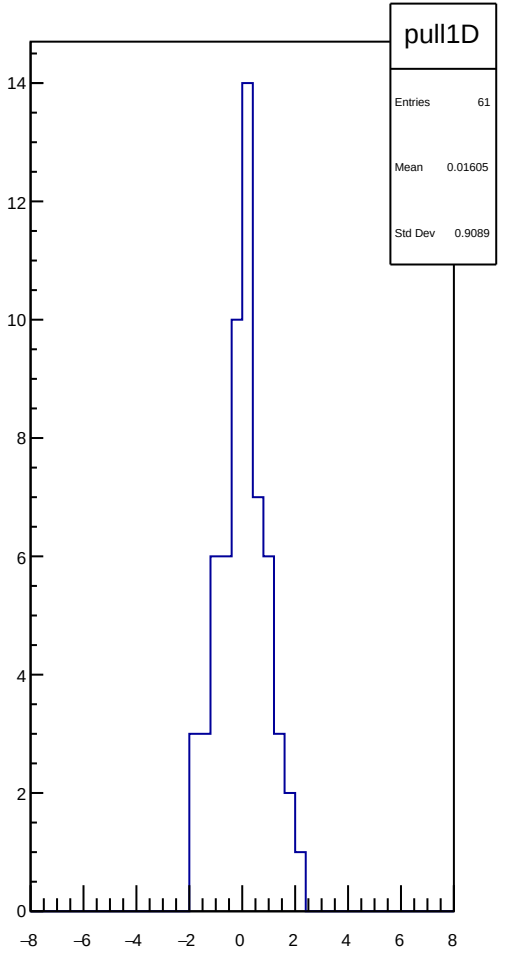

diff_bpm0l05Y_rms vs run
χ² / ndf 881.8 / 60
p0 2204 ± 2.019
2500
2450
2400
2350
2300
2250
2200
2150
2100
2050

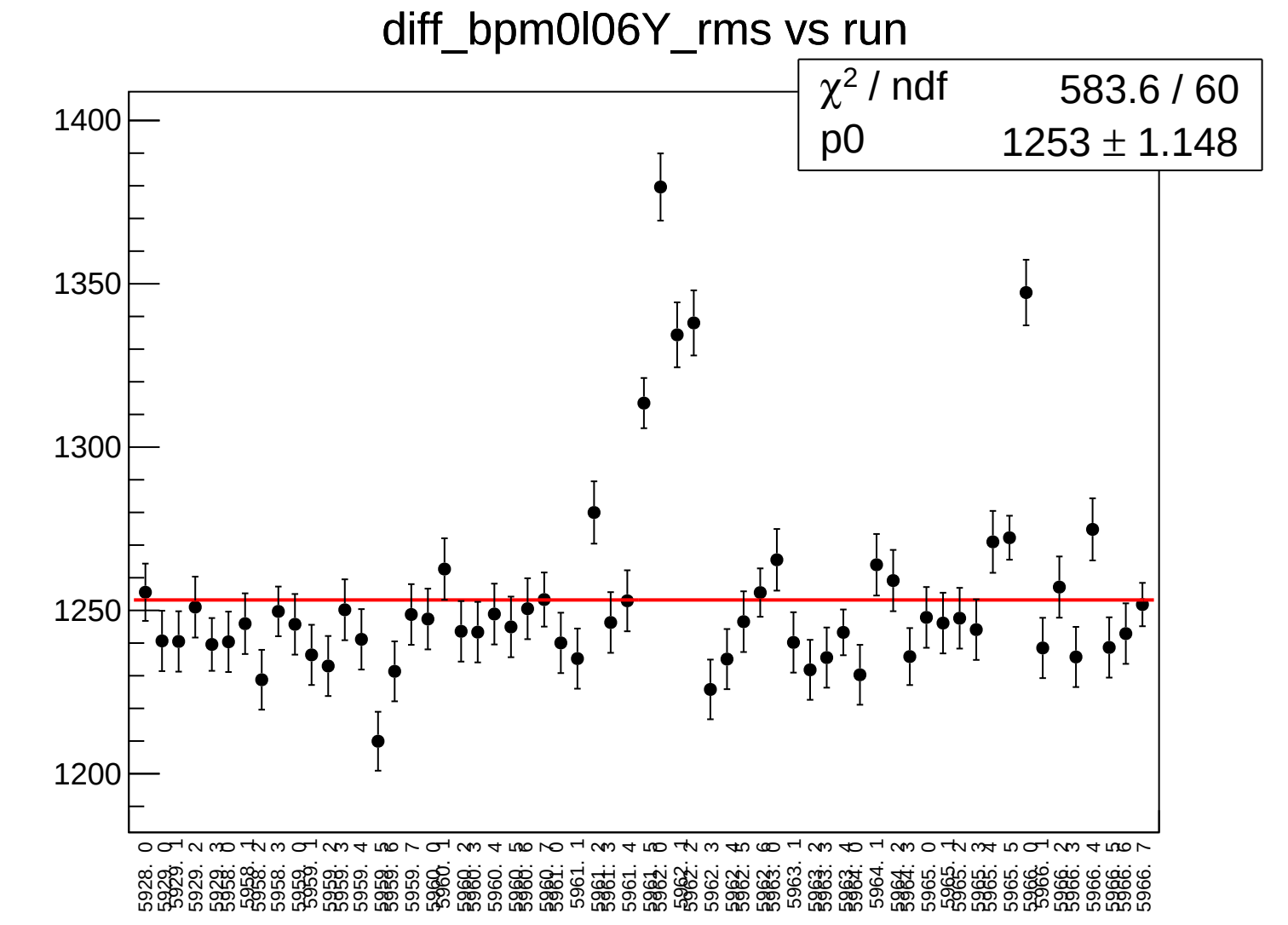

diff_bpm0l06X_mean vs run
χ² / ndf 34.93 / 60
p0 13.4 ± 6.806
pull
Entries 61
Mean −11.71
Std Dev 0

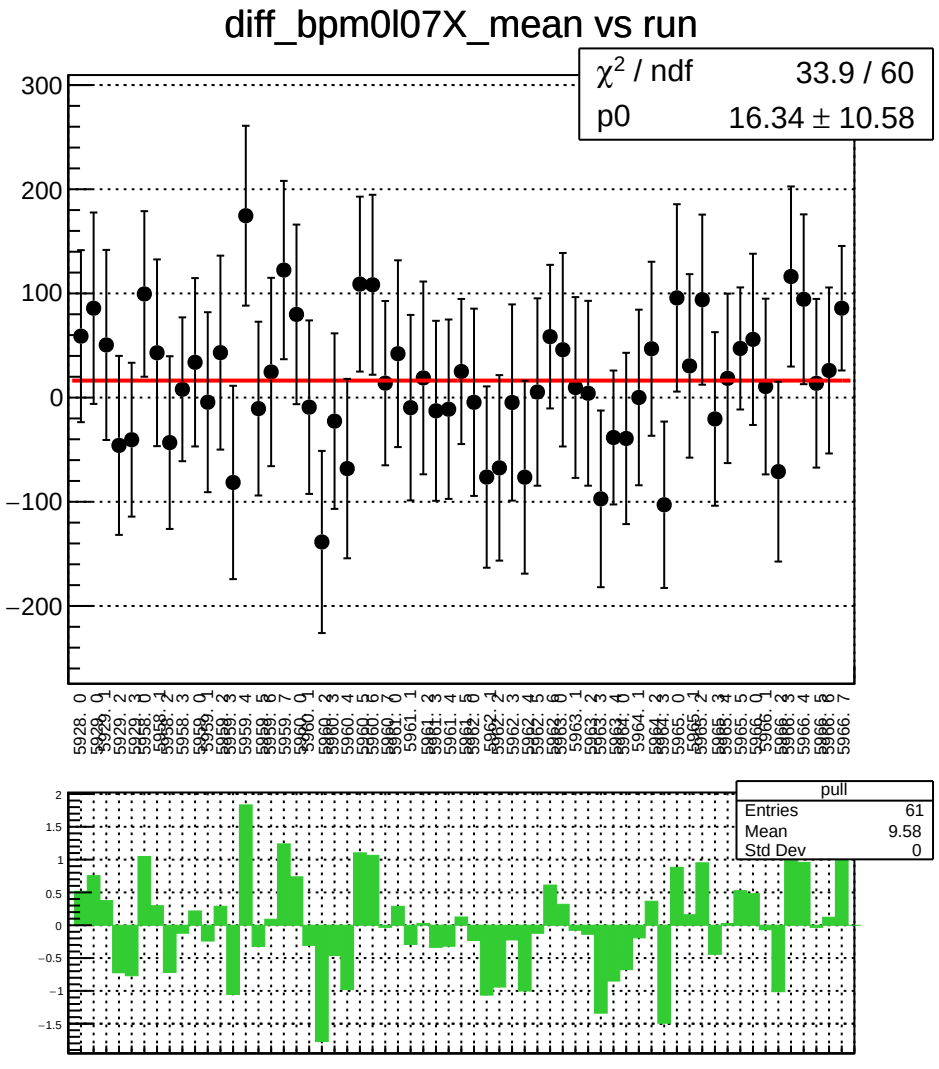

pull1D
Entries 61
Mean −0.01134
Std Dev 0.7567

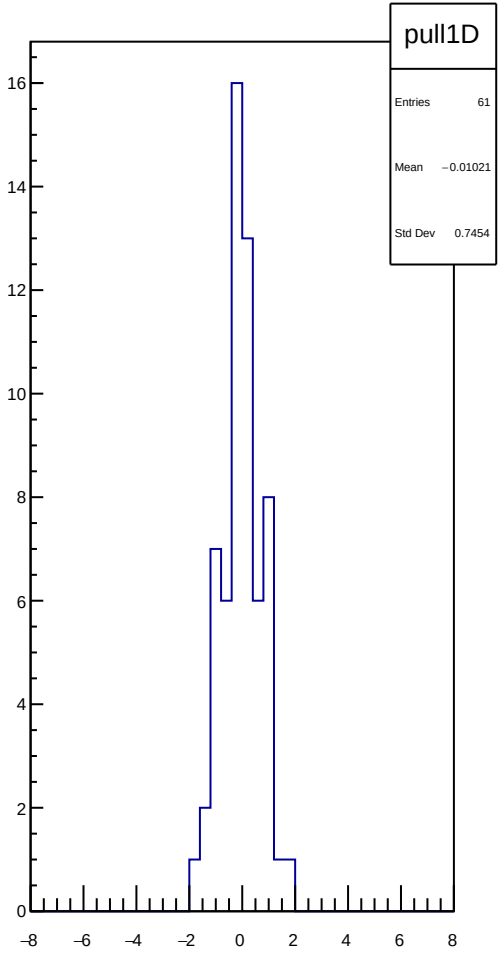

diff_bpm0l06X_rms vs run
χ² / ndf 2306 / 60
p0 5251 ± 4.813
5800
5600
5400
5200
5000
4800

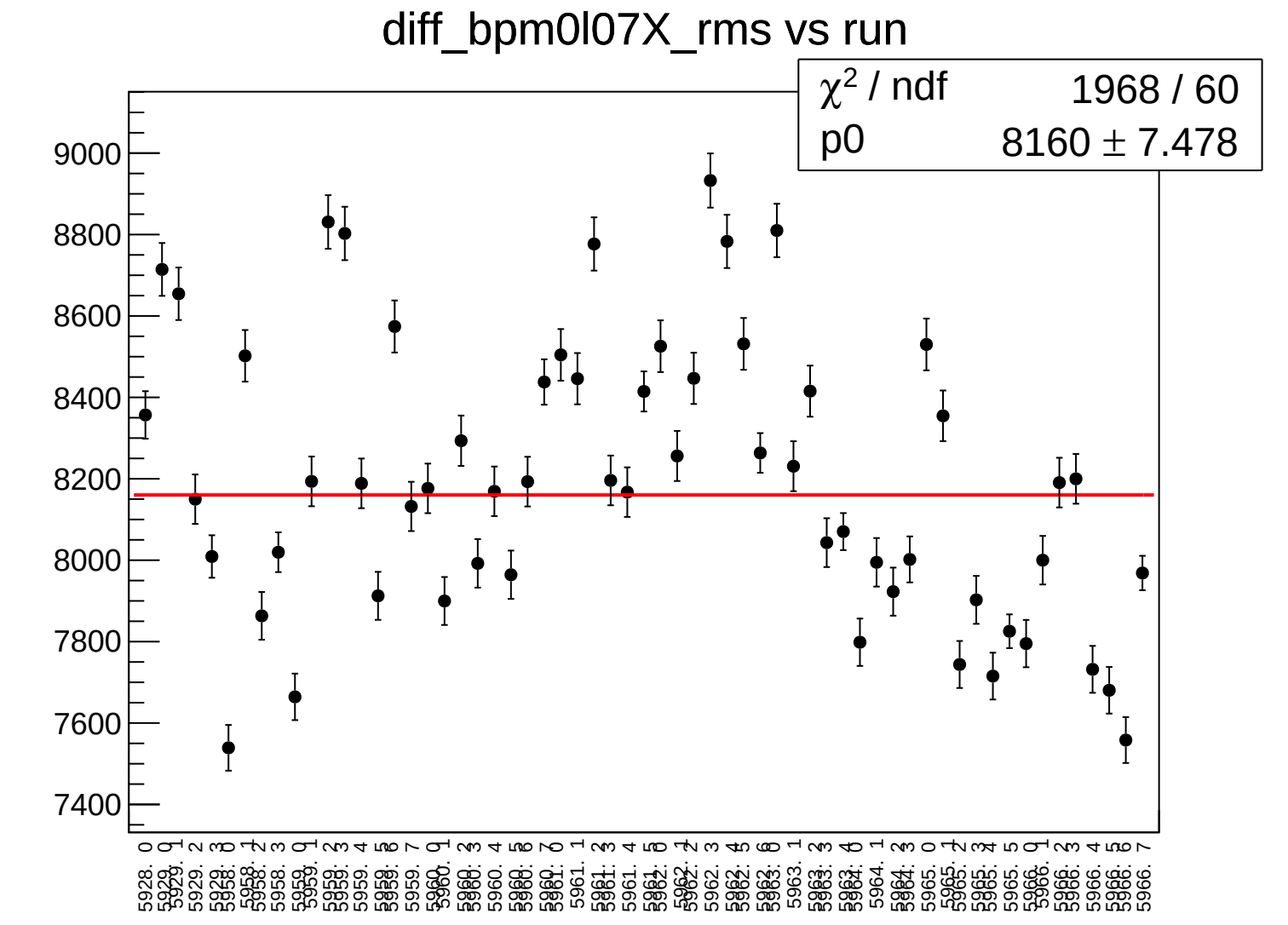

diff_bpm0l06Y_mean vs run
χ² / ndf 50.4 / 60
p0 0.861 ± 1.623
pull
Entries 61
Mean 120.4
Std Dev 0

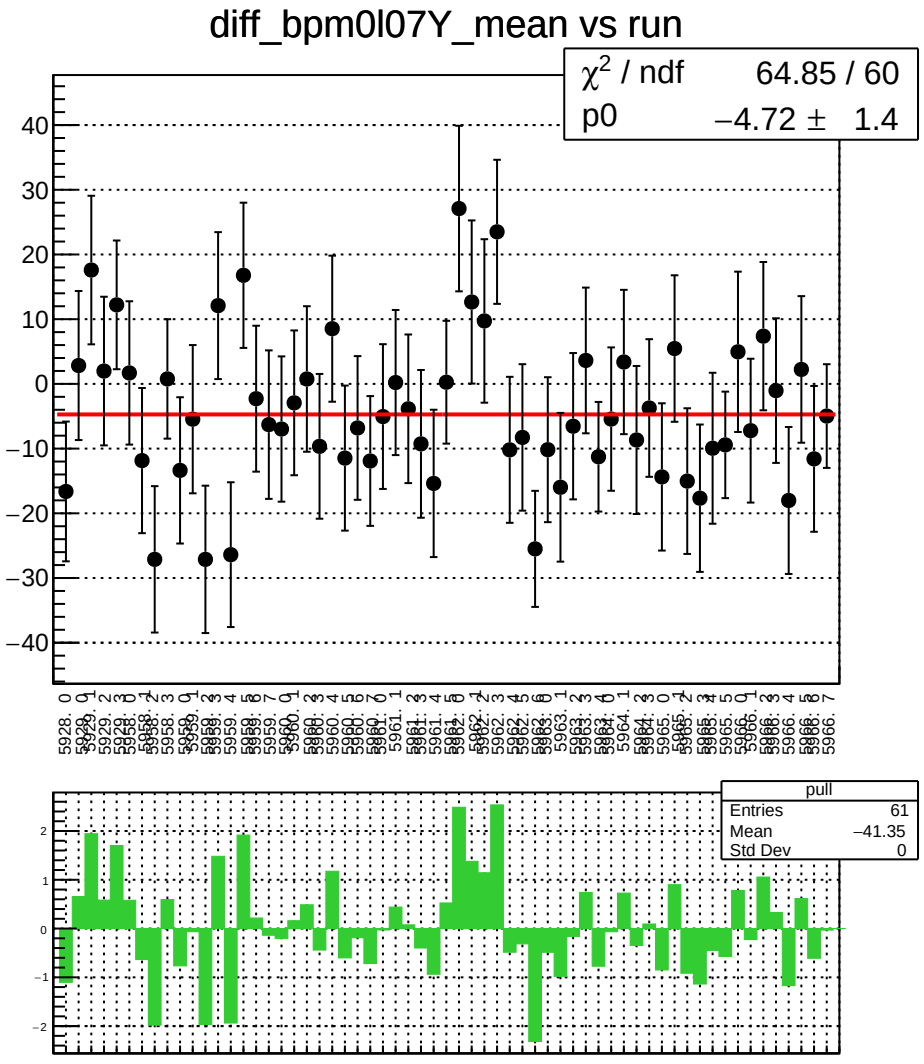

pull1D
Entries 61
Mean 0.01605
Std Dev 0.9089

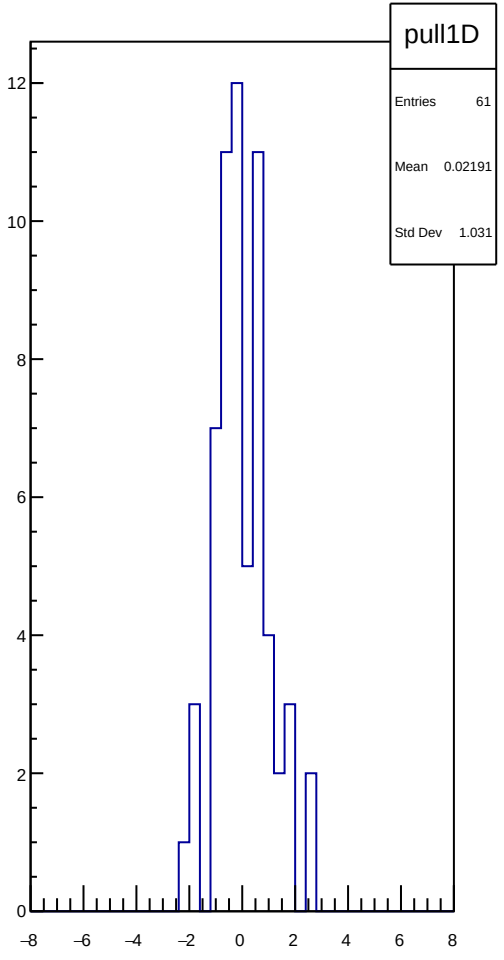

diff_bpm0l06Y_rms vs run
χ² / ndf 583.6 / 60
p0 1253 ± 1.148
1400
1350
1300
1250
1200

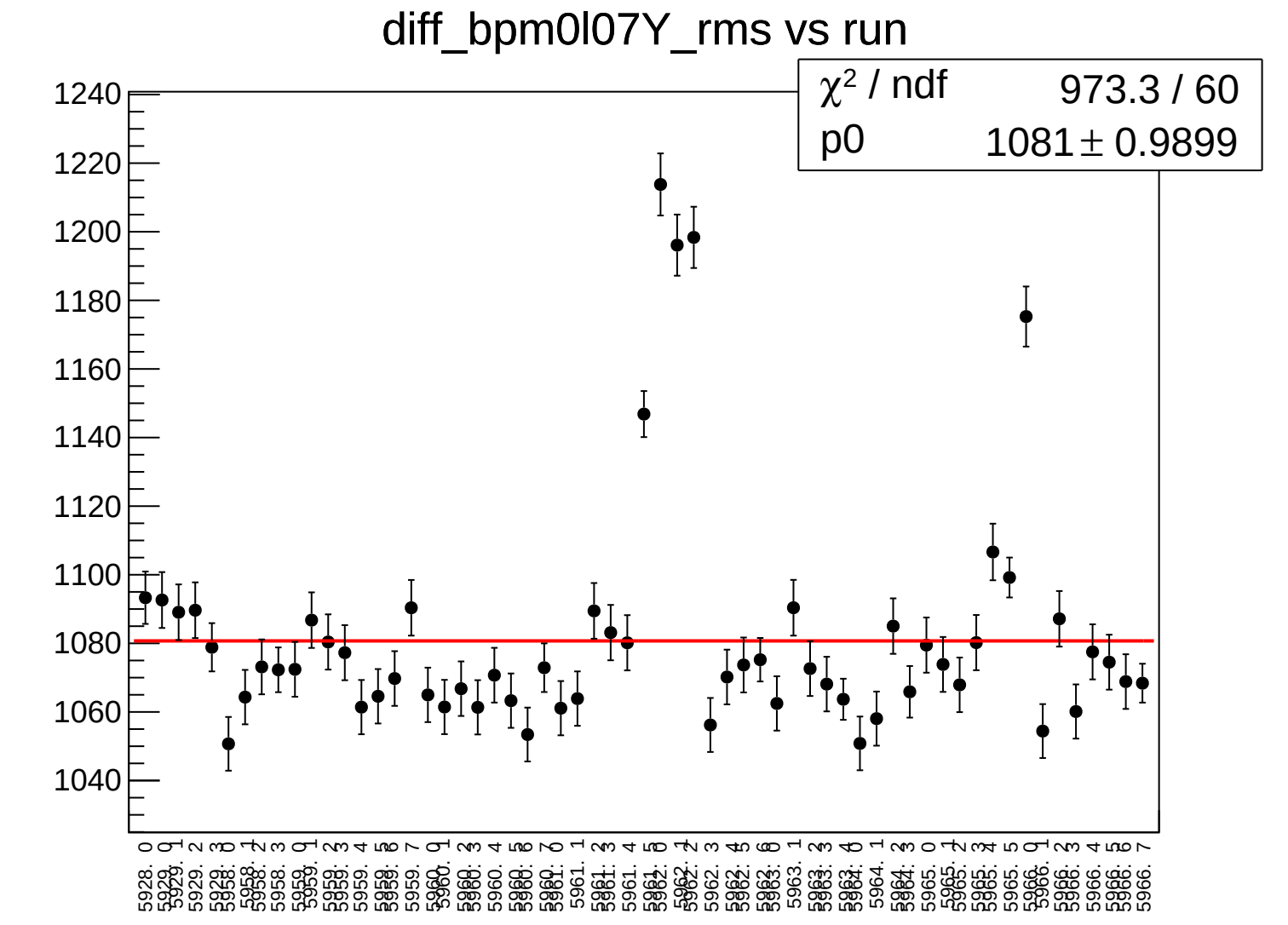

diff_bpm0l07X_mean vs run
χ^2 / ndf 33.9 / 60
p0 16.34 ± 10.58
pull
Entries 61
Mean 9.58
Std Dev 0

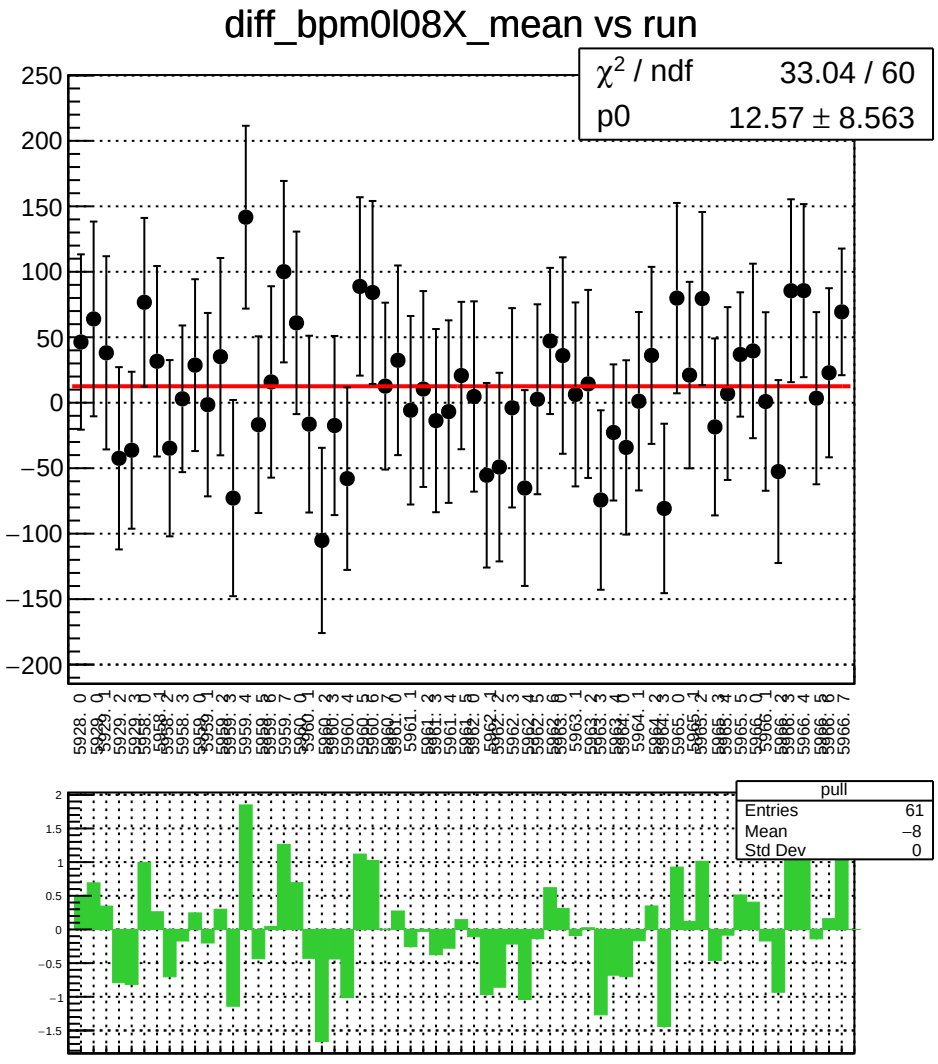

pull1D
Entries 61
Mean −0.01021
Std Dev 0.7454

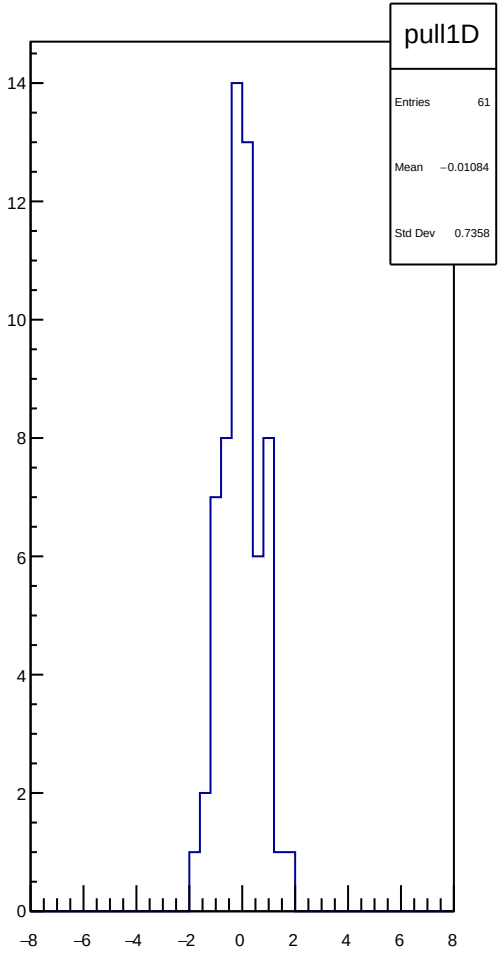

diff_bpm0l07X_rms vs run
χ² / ndf 1968 / 60
p0 8160 ± 7.478
9000
8800
8600
8400
8200
8000
7800
7600
7400

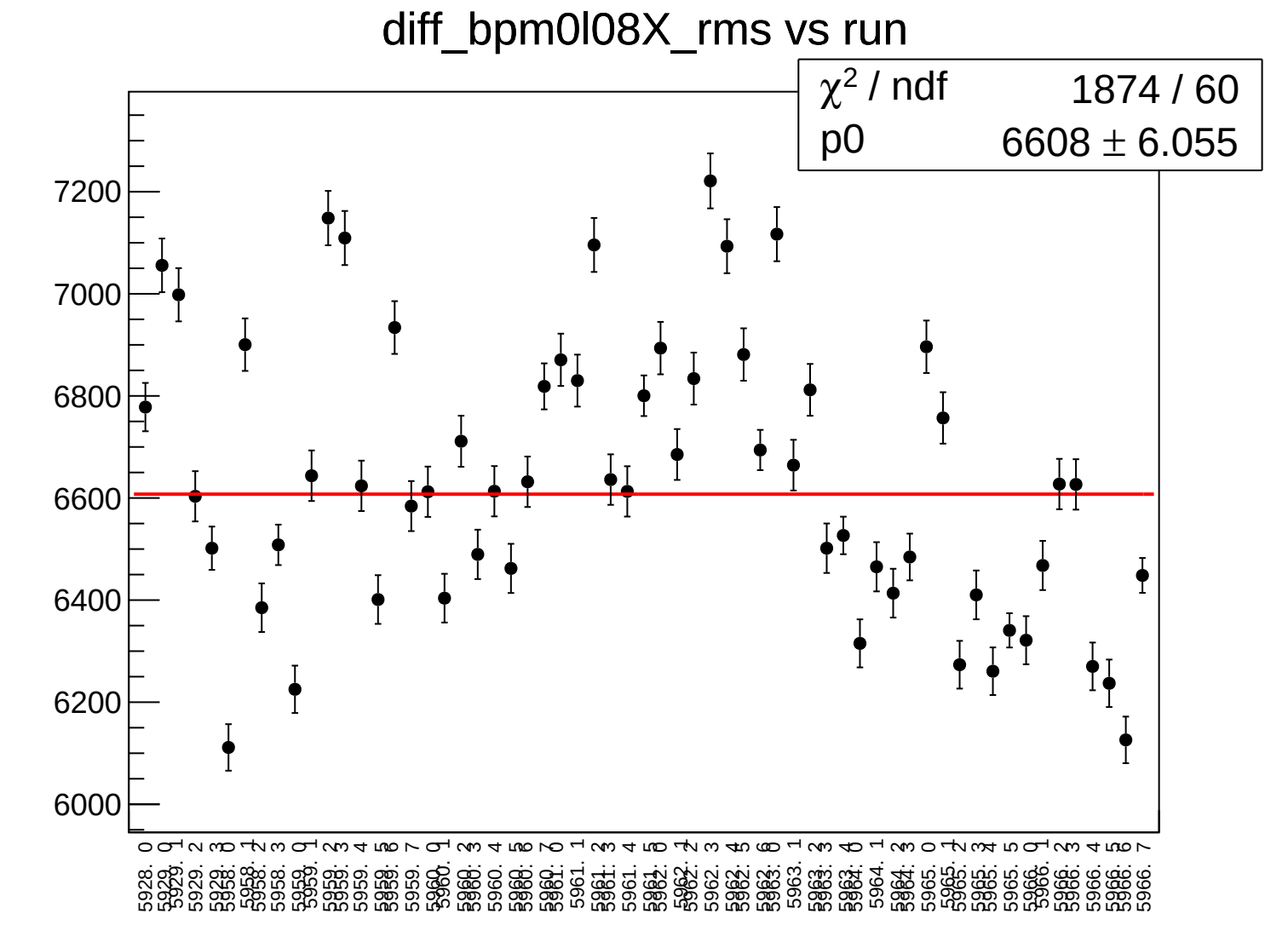

diff_bpm0l07Y_mean vs run
χ² / ndf 64.85 / 60
p0 −4.72 ± 1.4
pull
Entries 61
Mean −41.35
Std Dev 0

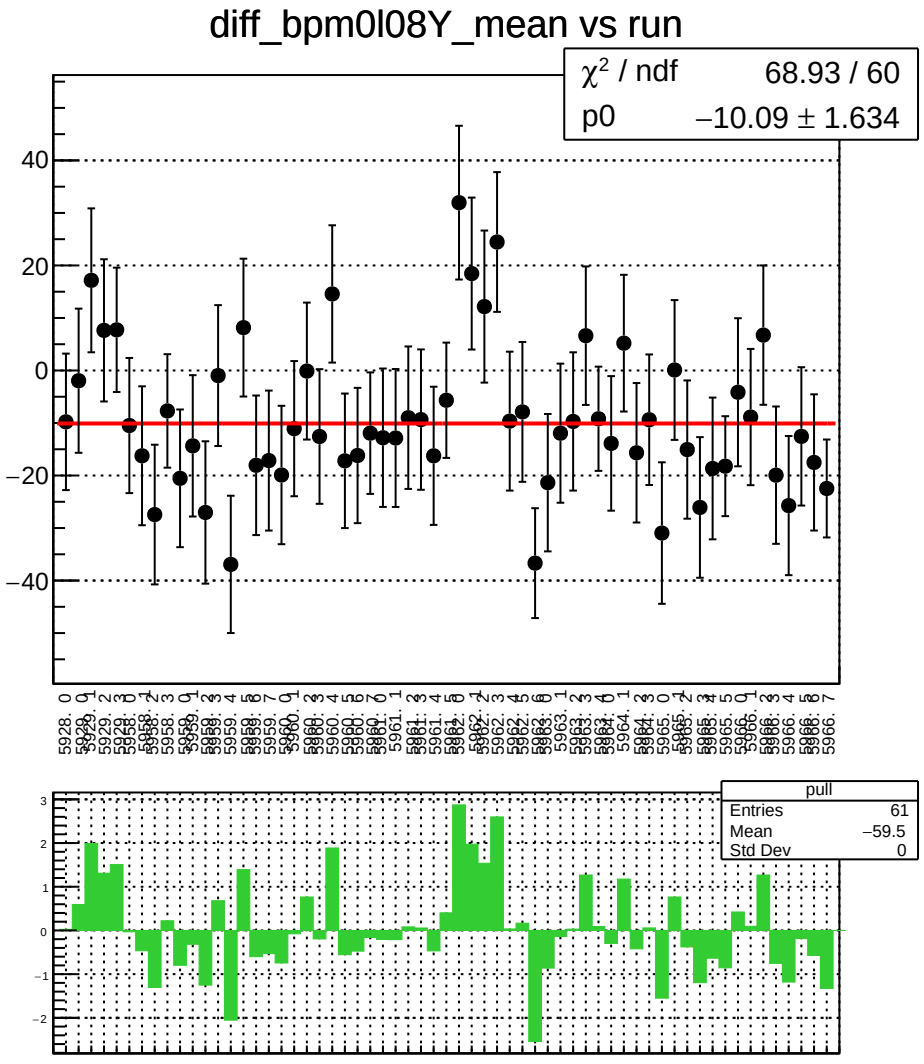

pull1D
Entries 61
Mean 0.02191
Std Dev 1.031

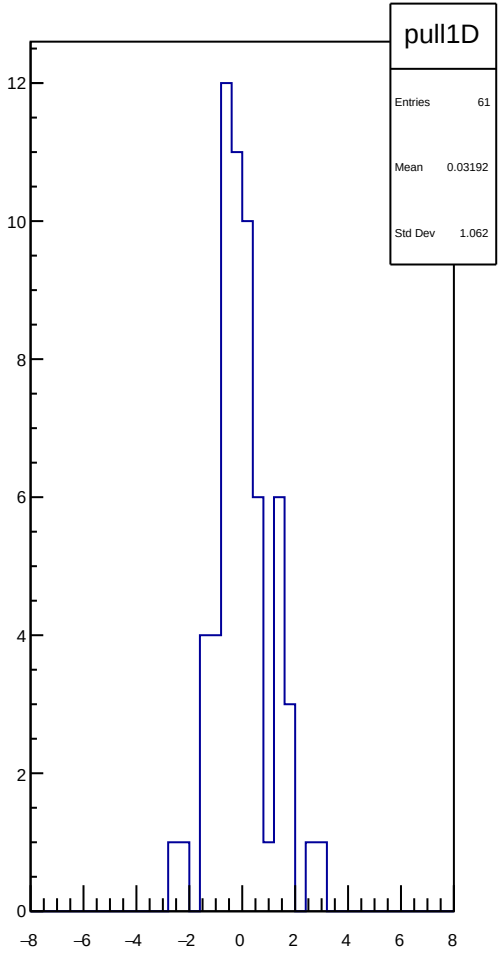

diff_bpm0l07Y_rms vs run
χ² / ndf 973.3 / 60
p0 1081 ± 0.9899
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040

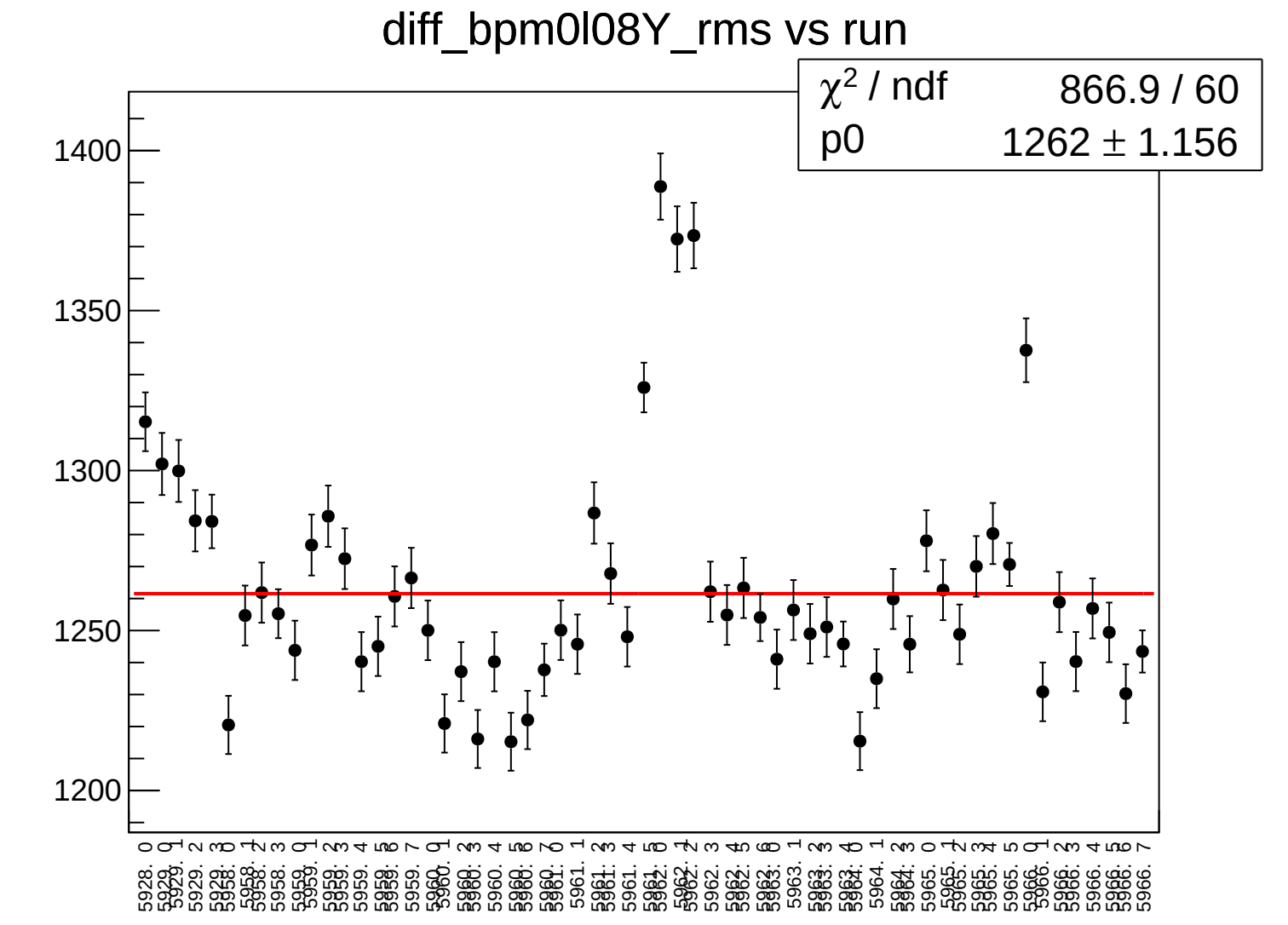

diff_bpm0l08X_mean vs run
χ² / ndf 33.04 / 60
p0 12.57 ± 8.563
pull
Entries 61
Mean −8
Std Dev 0

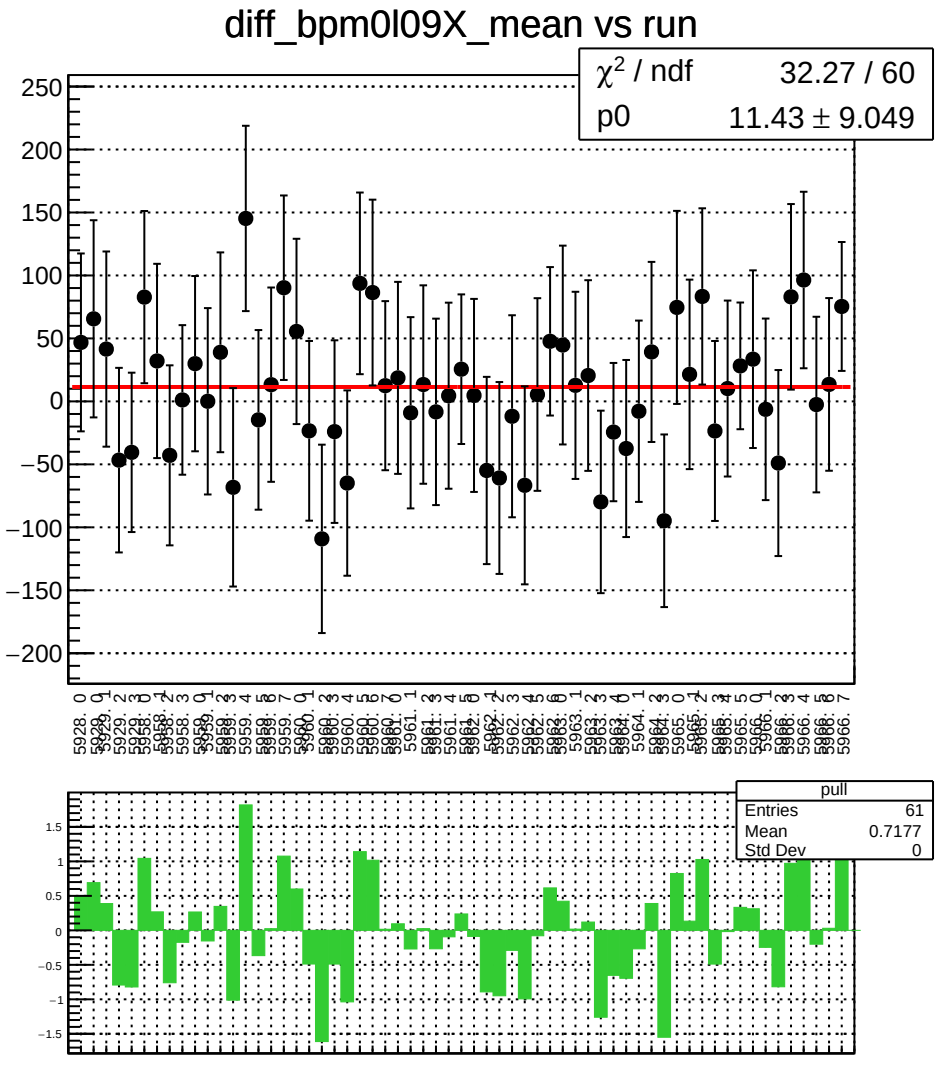

pull1D
Entries 61
Mean −0.01084
Std Dev 0.7358

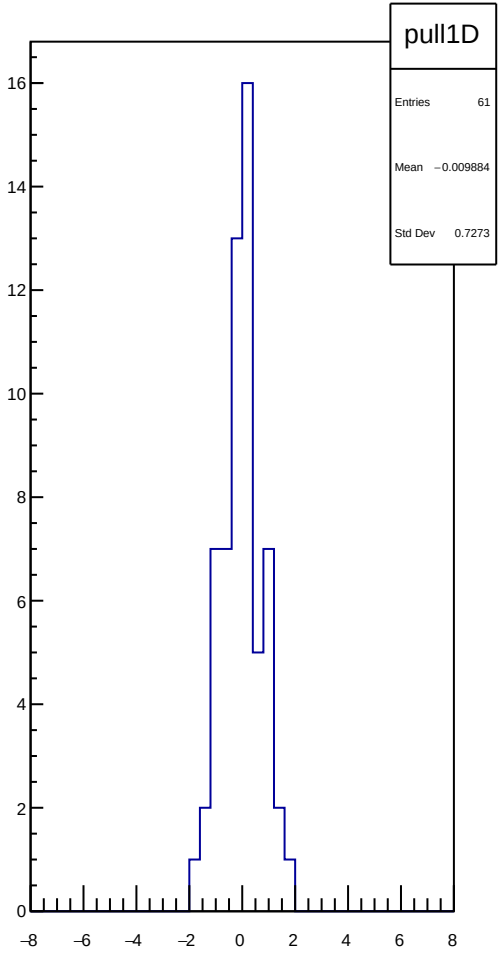

diff_bpm0l08X_rms vs run
χ² / ndf 1874 / 60
p0 6608 ± 6.055
7200
7000
6800
6600
6400
6200
6000

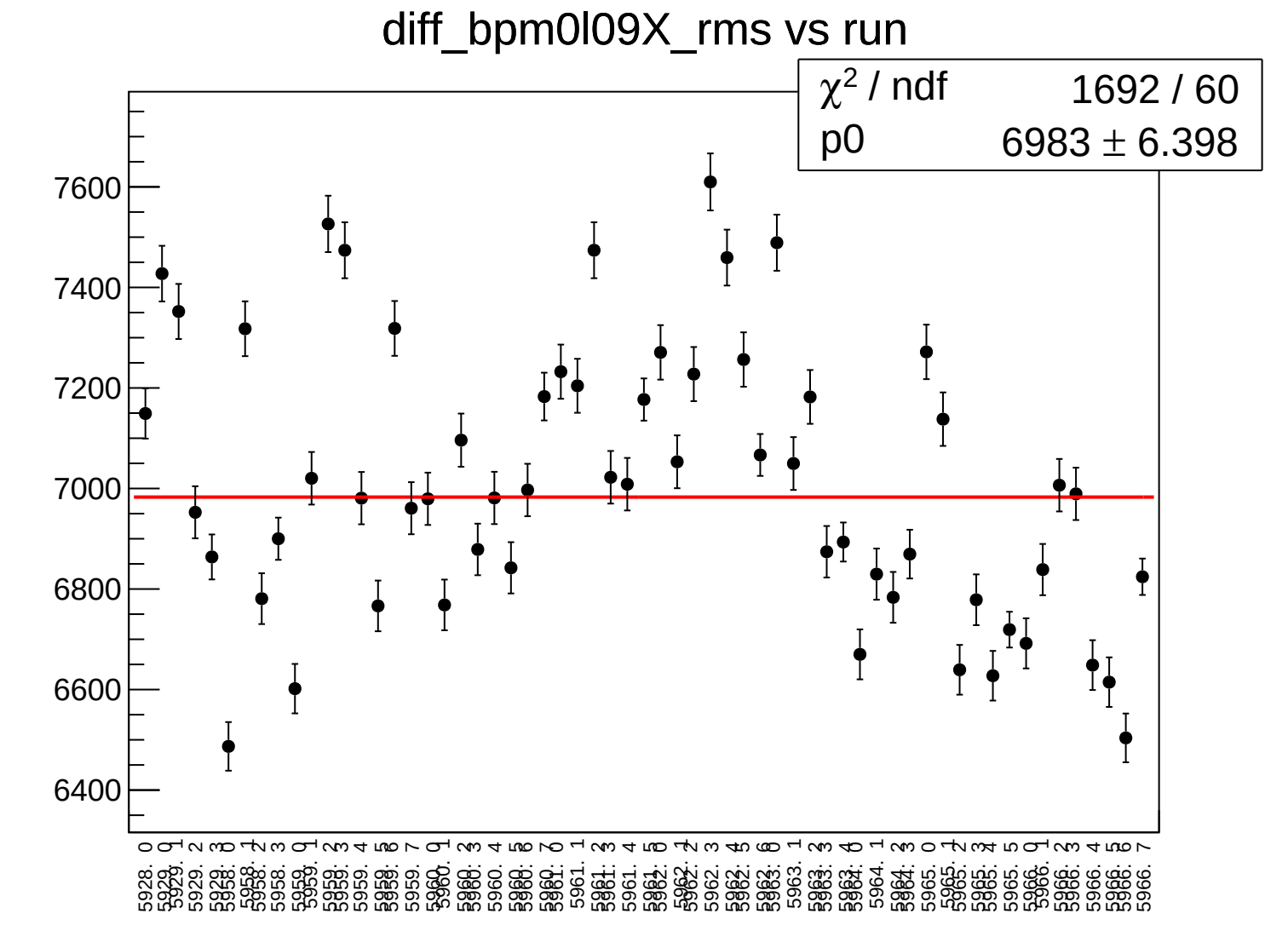

diff_bpm0l08Y_mean vs run
χ² / ndf 68.93 / 60
p0 −10.09 ± 1.634
pull
Entries 61
Mean −59.5
Std Dev 0

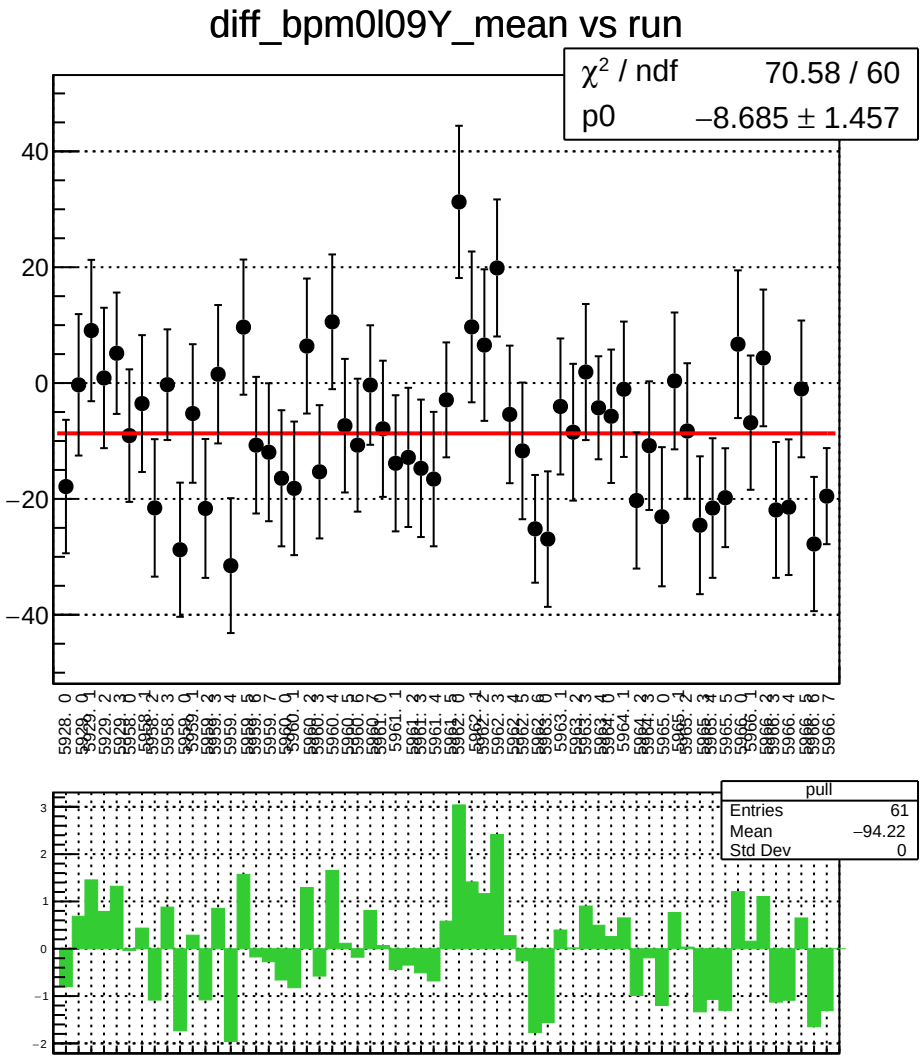

pull1D
Entries 61
Mean 0.03192
Std Dev 1.062

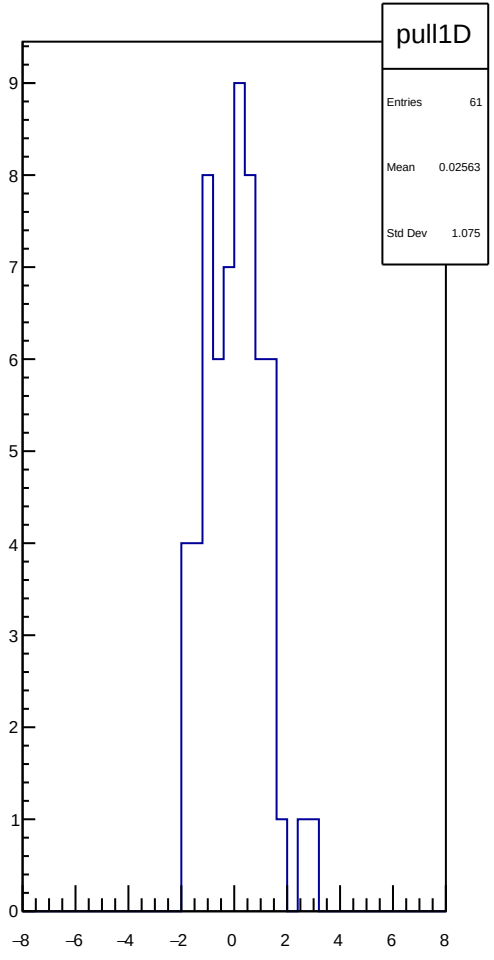

diff_bpm0l08Y_rms vs run
χ² / ndf 866.9 / 60
p0 1262 ± 1.156
1400
1350
1300
1250
1200

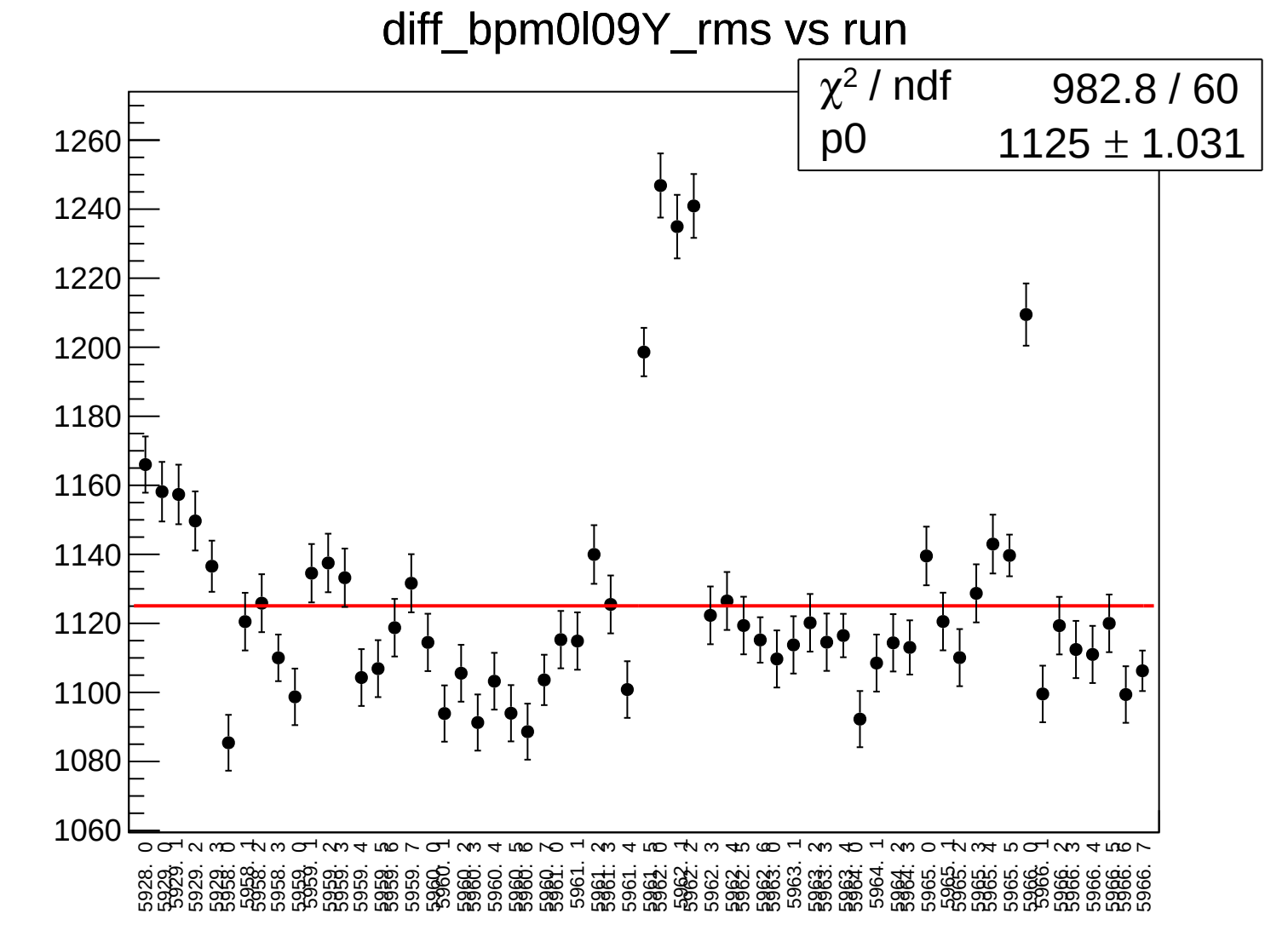

diff_bpm0l09X_mean vs run
χ² / ndf 32.27 / 60
p0 11.43 ± 9.049
pull
Entries 61
Mean 0.7177
Std Dev 0

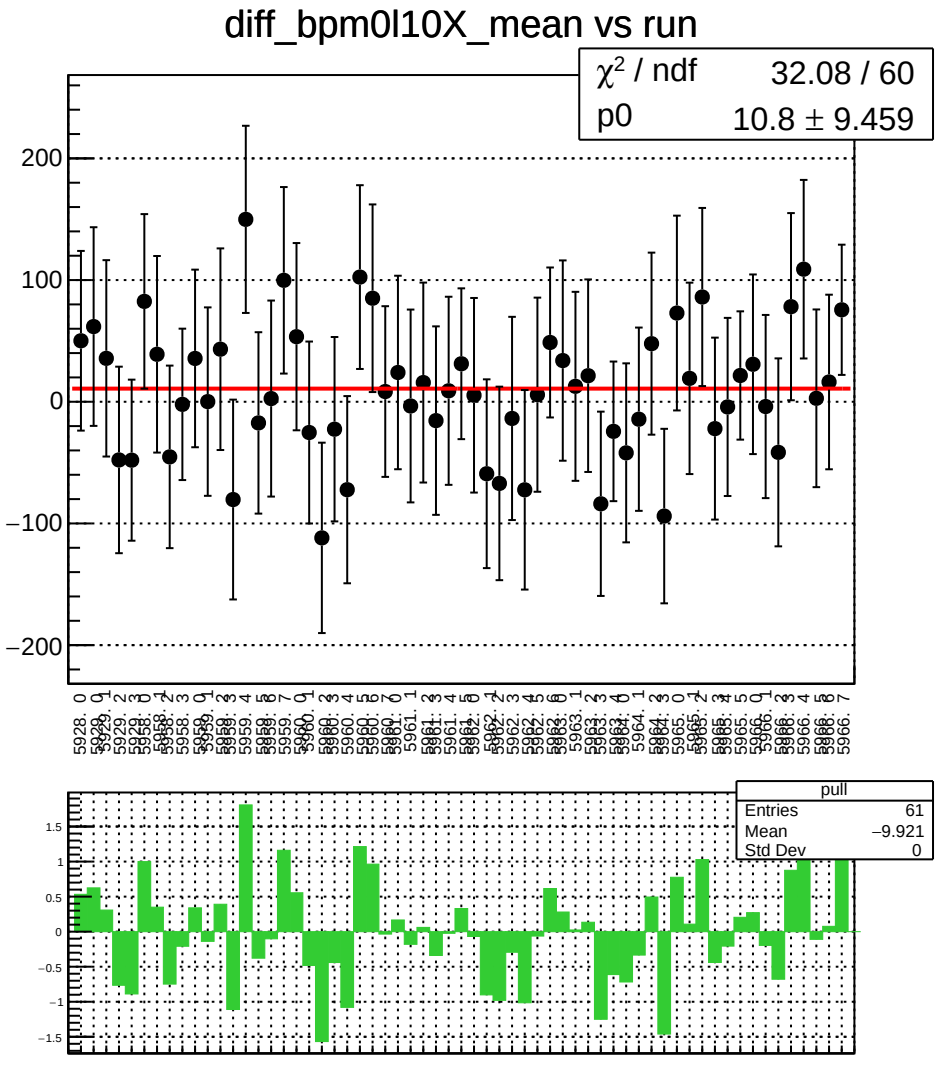

pull1D
Entries 61
Mean −0.009884
Std Dev 0.7273

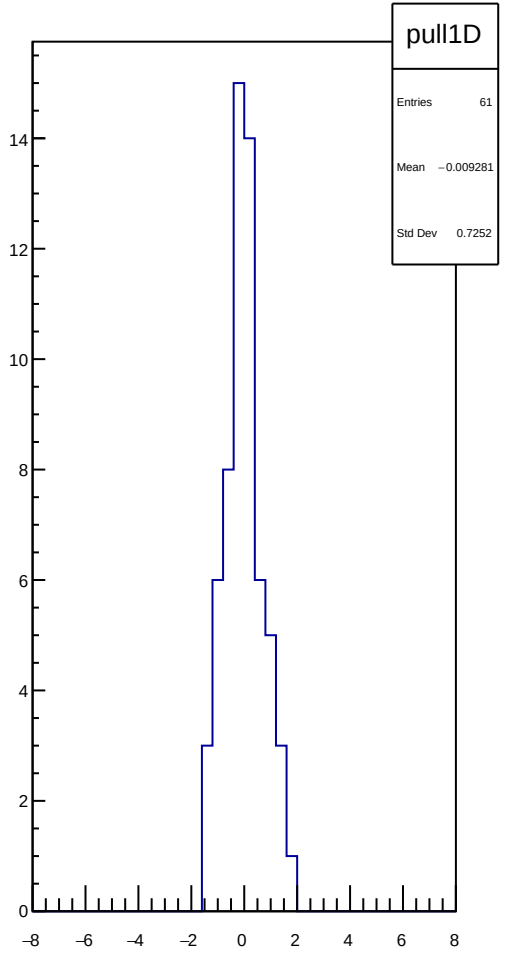

diff_bpm0l09X_rms vs run
χ² / ndf 1692 / 60
p0 6983 ± 6.398
7600
7400
7200
7000
6800
6600
6400

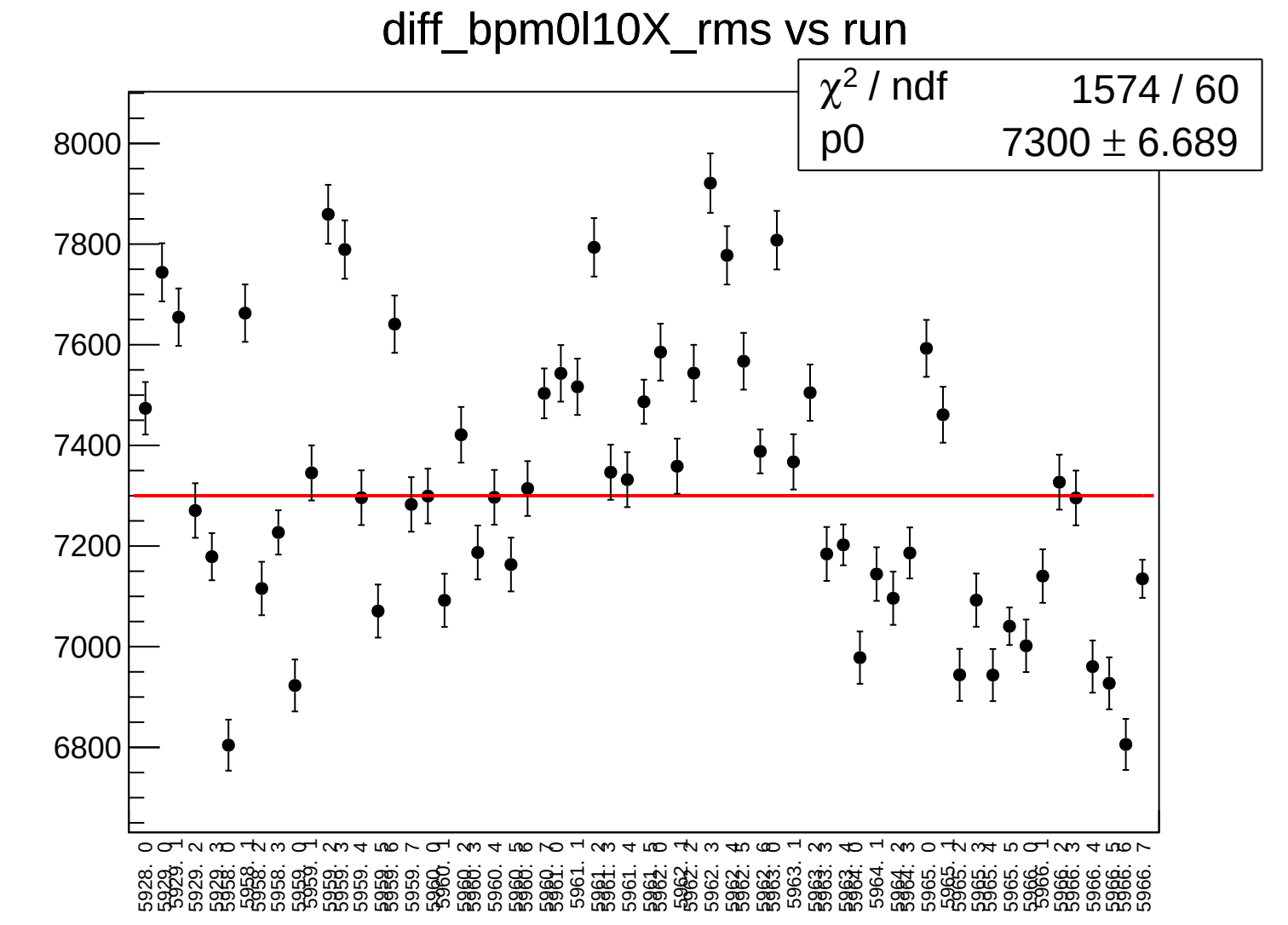

diff_bpm0l09Y_mean vs run
χ² / ndf 70.58 / 60
p0 −8.685 ± 1.457
pull
Entries 61
Mean −94.22
Std Dev 0

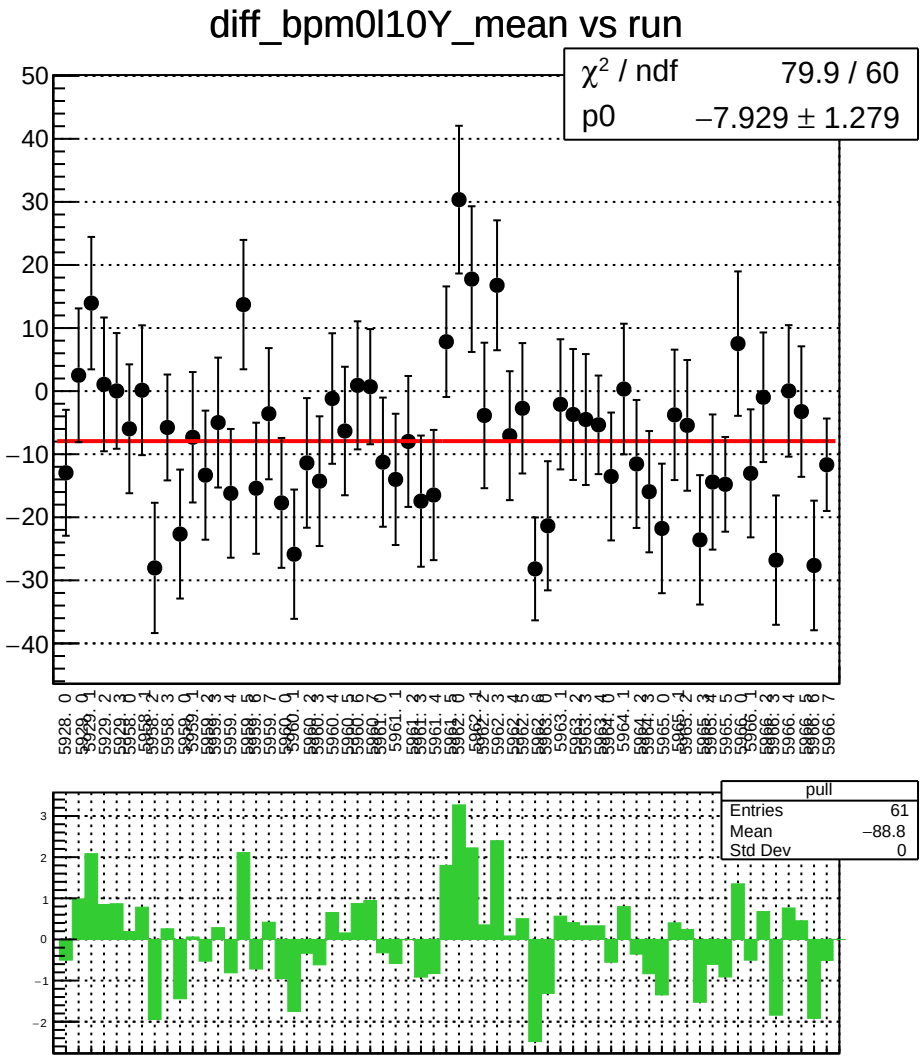

pull1D
Entries 61
Mean 0.02563
Std Dev 1.075

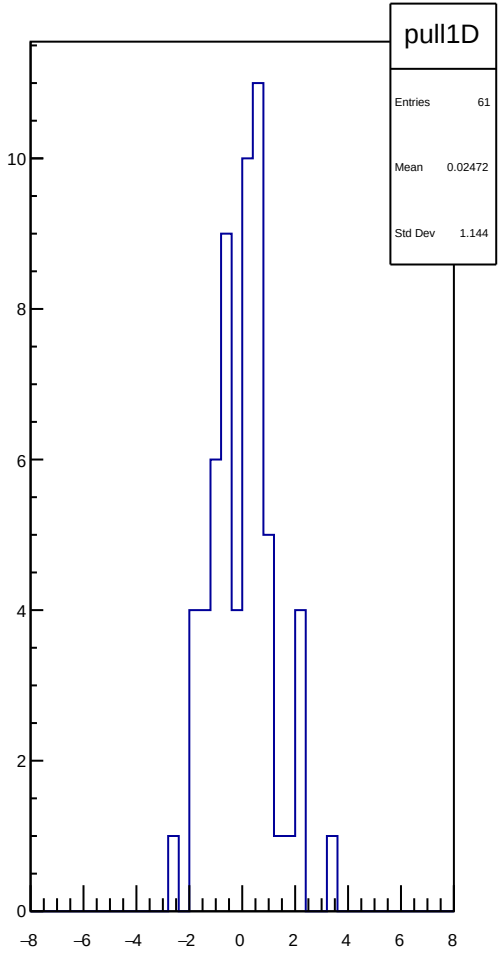

diff_bpm0l09Y_rms vs run
χ² / ndf 982.8 / 60
p0 1125 ± 1.031
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

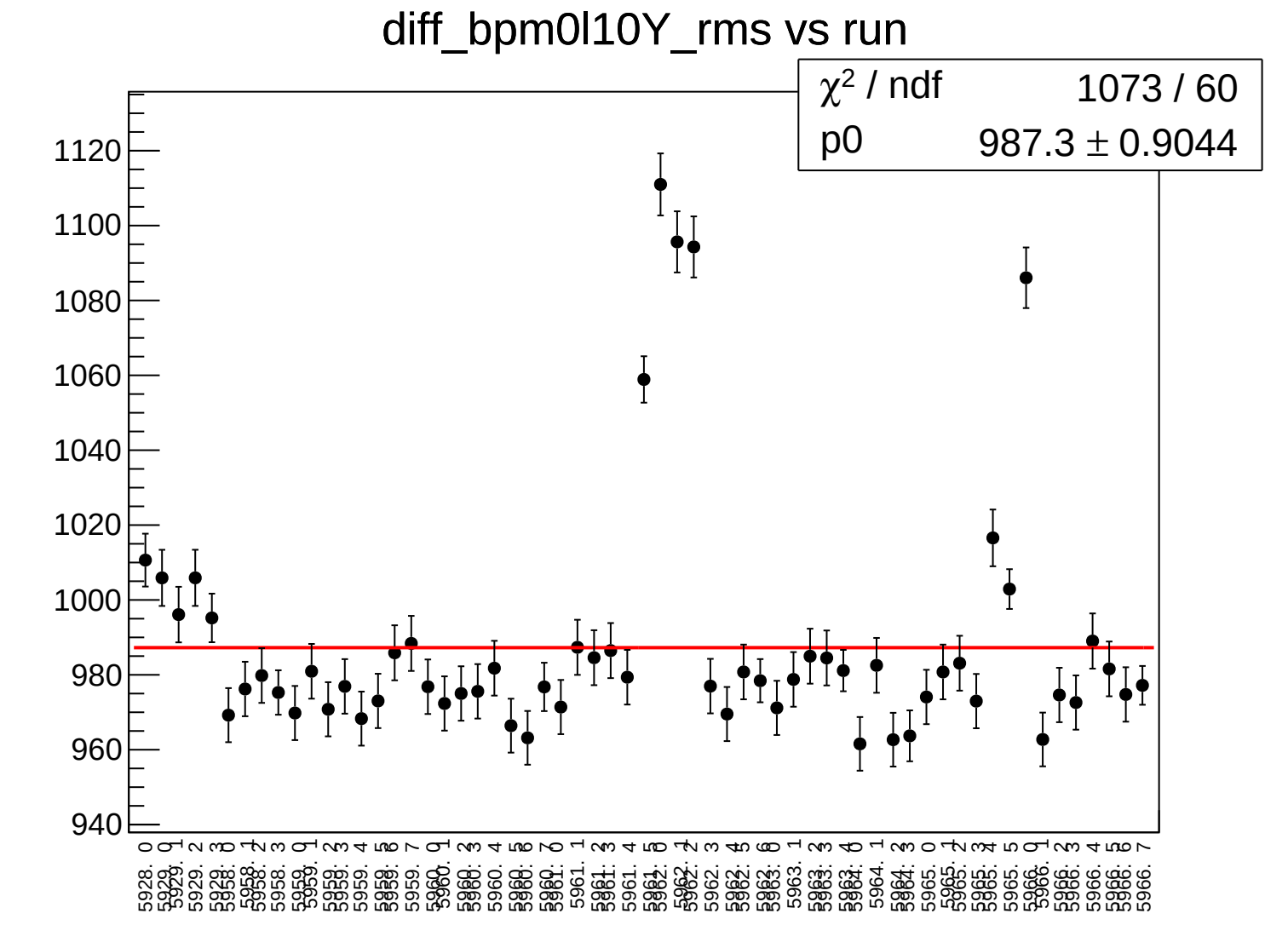

diff_bpm0l10X_mean vs run
χ² / ndf 32.08 / 60
p0 10.8 ± 9.459
pull
Entries 61
Mean −9.921
Std Dev 0

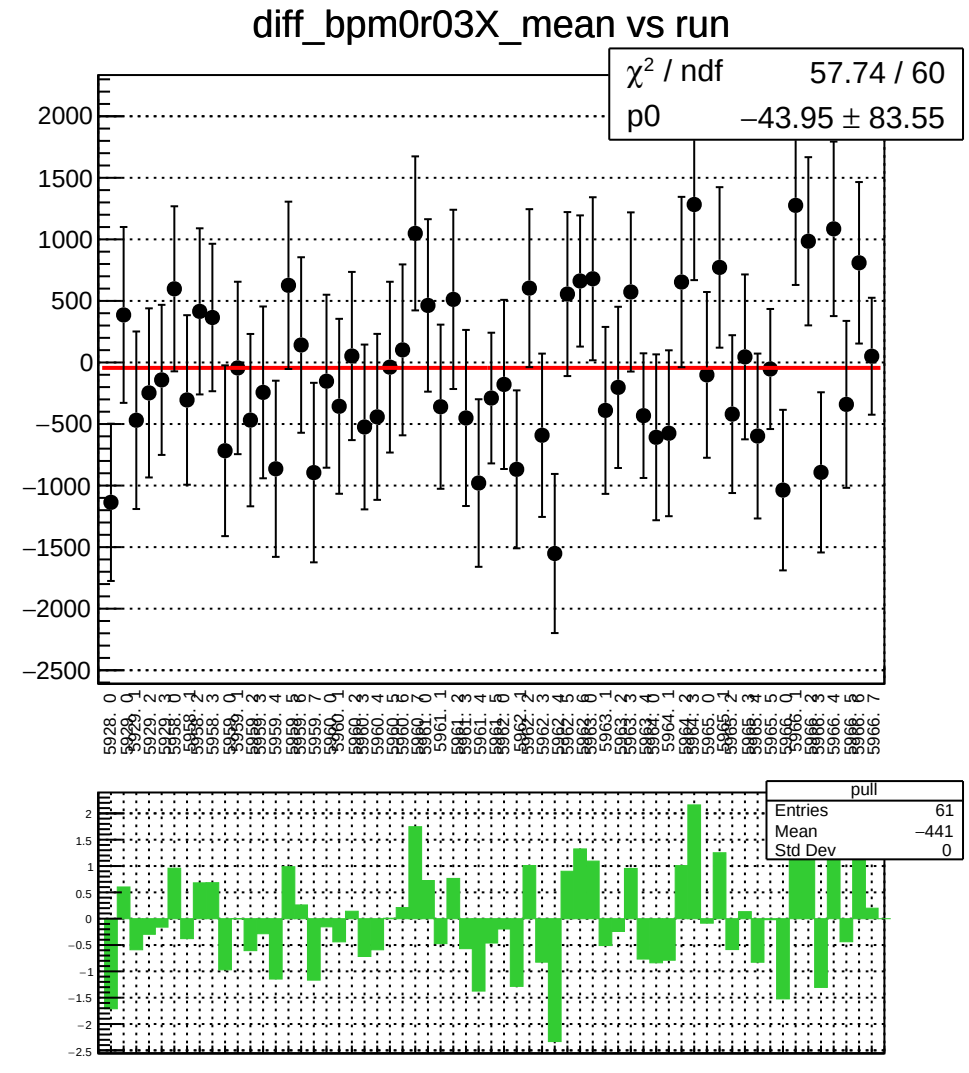

pull1D
Entries 61
Mean −0.009281
Std Dev 0.7252

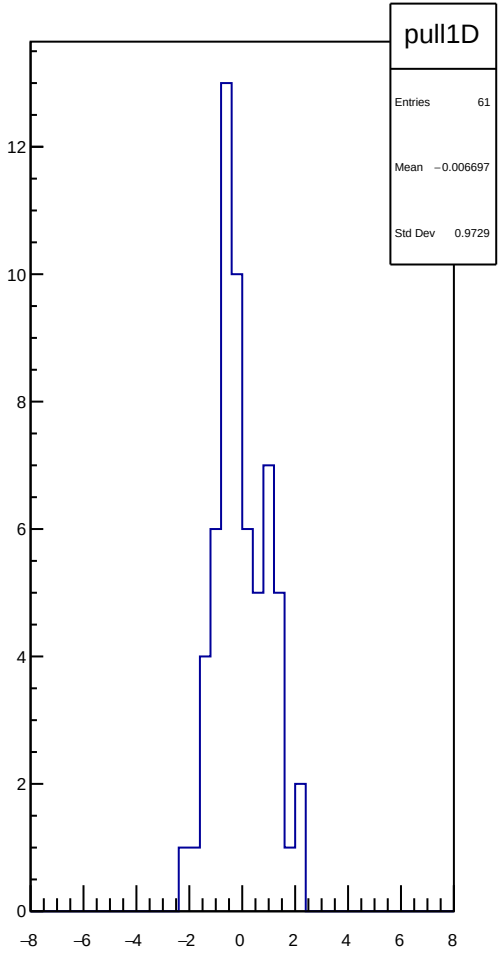

diff_bpm0l10X_rms vs run
χ² / ndf 1574 / 60
p0 7300 ± 6.689
8000
7800
7600
7400
7200
7000
6800

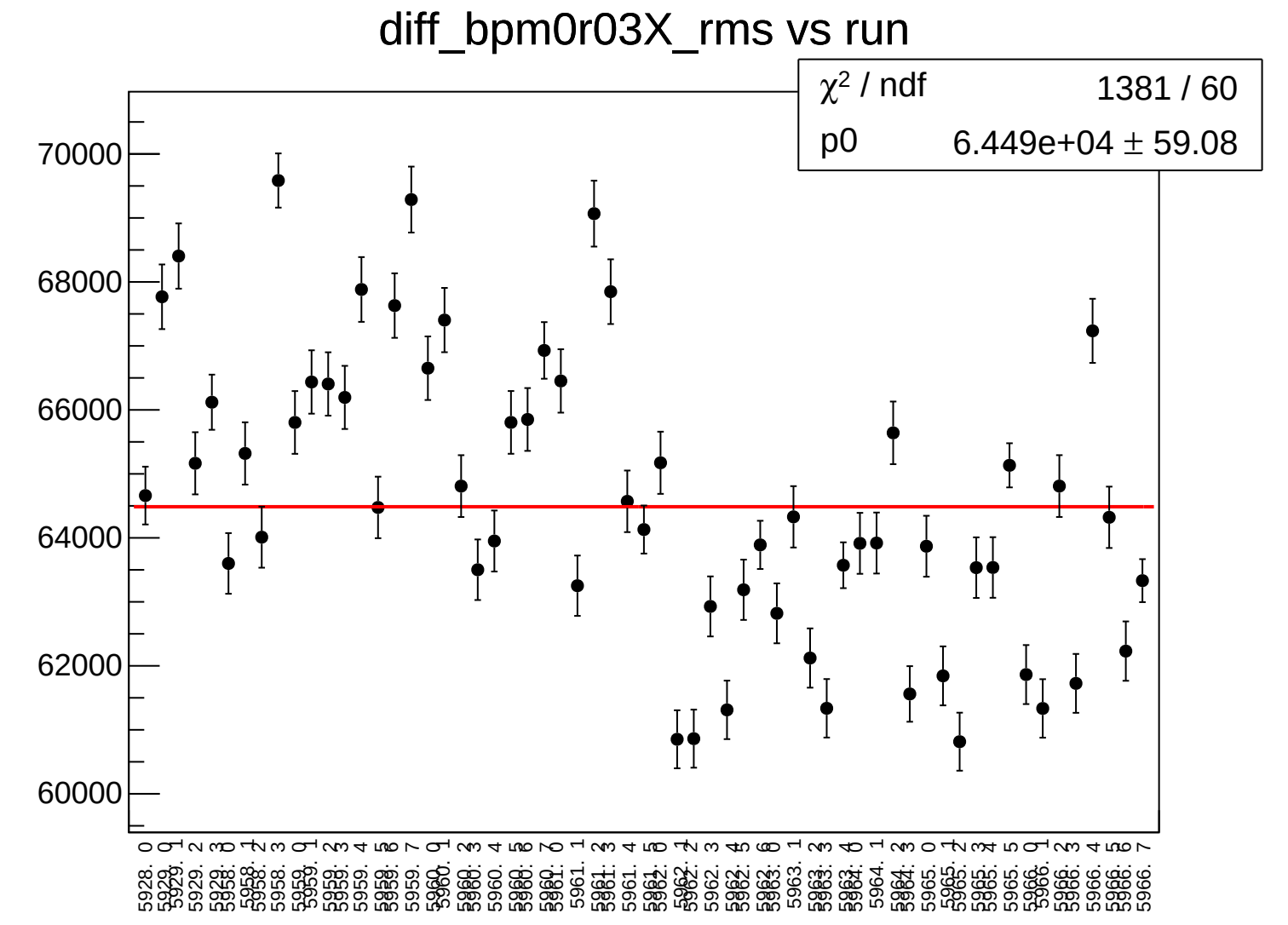

diff_bpm0l10Y_mean vs run
χ² / ndf 79.9 / 60
p0 −7.929 ± 1.279
pull
Entries 61
Mean −88.8
Std Dev 0

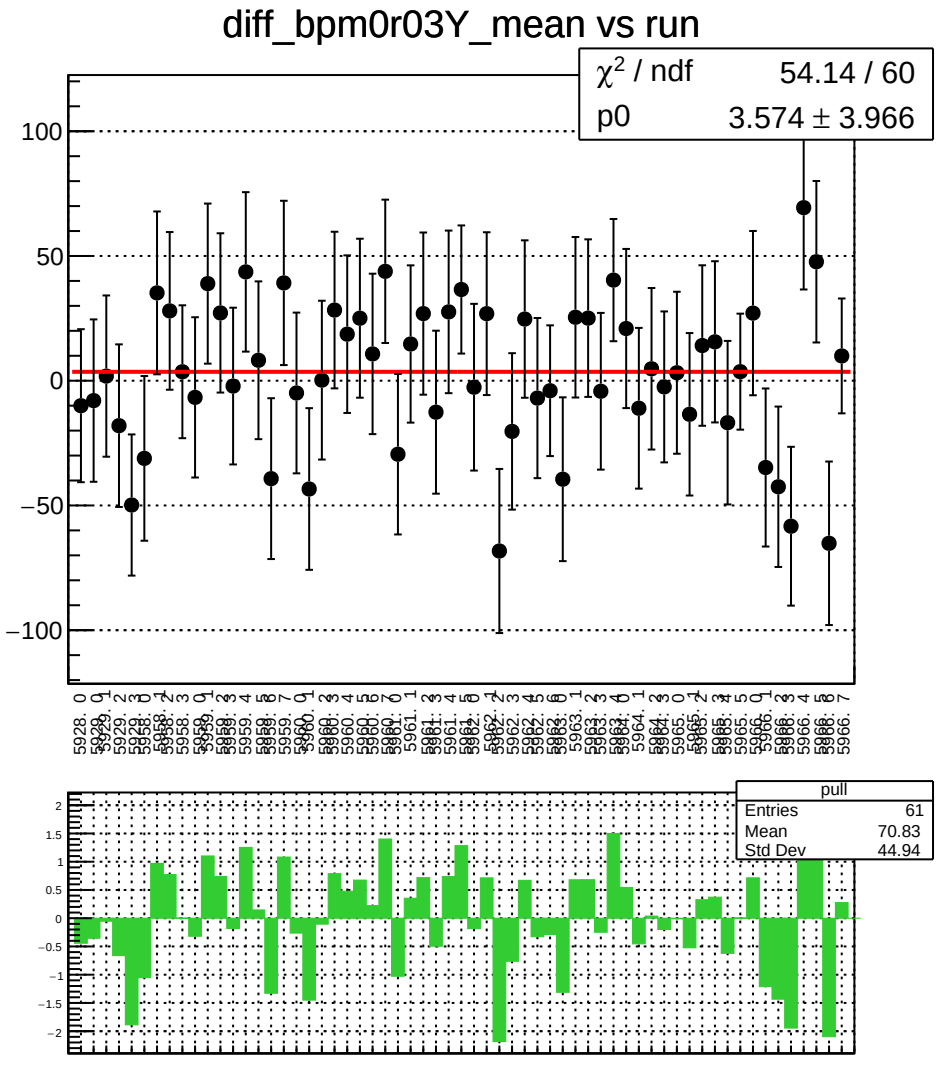

pull1D
Entries 61
Mean 0.02472
Std Dev 1.144

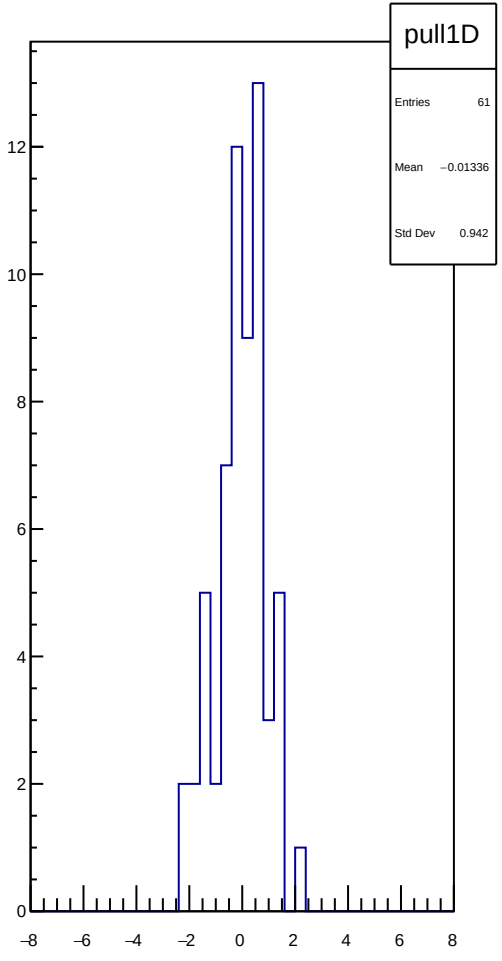

diff_bpm0l10Y_rms vs run
χ² / ndf 1073 / 60
p0 987.3 ± 0.9044
1120
1100
1080
1060
1040
1020
1000
980
960
940

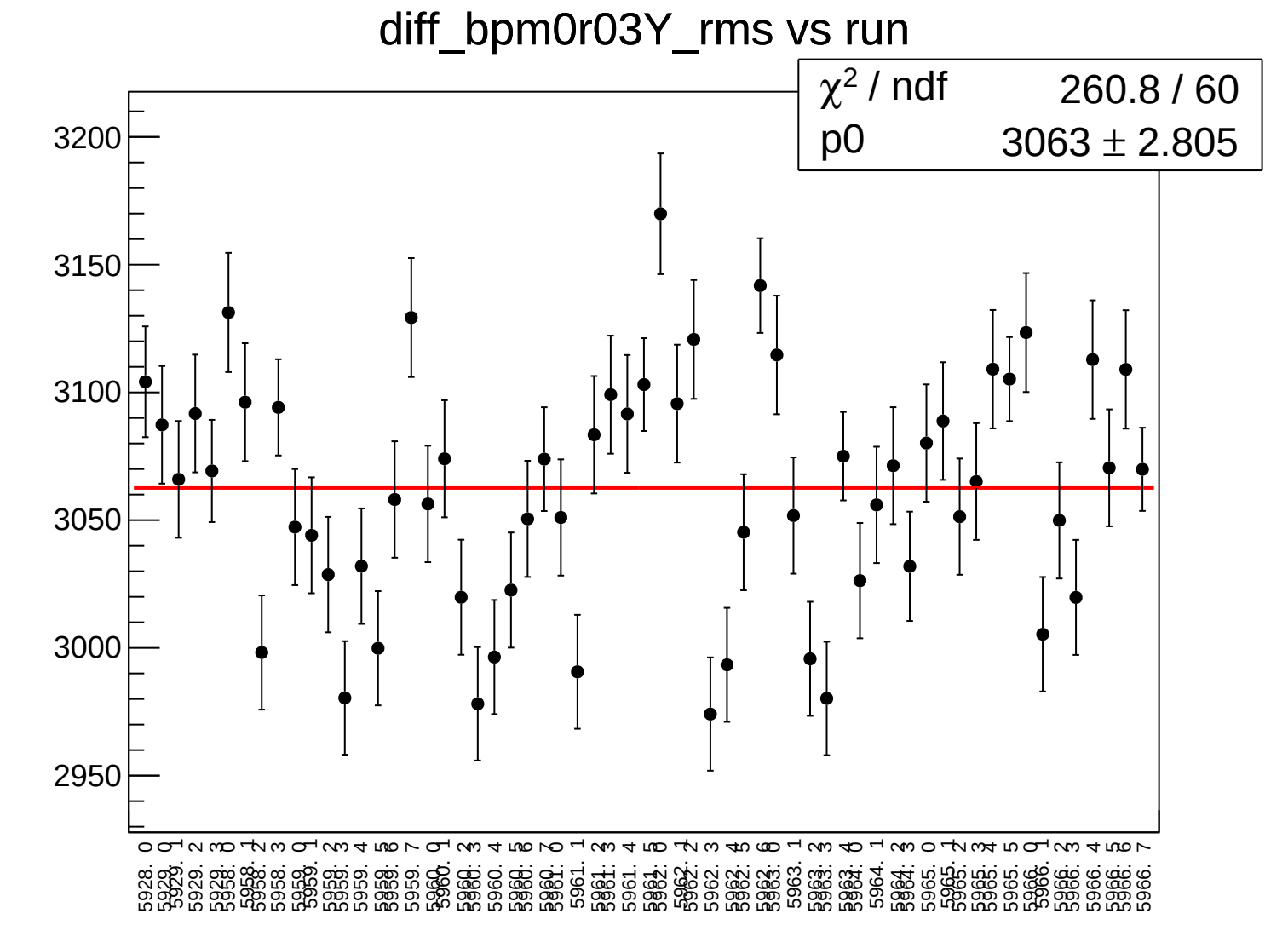

diff_bpm0r03X_mean vs run
χ² / ndf 57.74 / 60
p0 −43.95 ± 83.55
pull
Entries 61
Mean −441
Std Dev 0

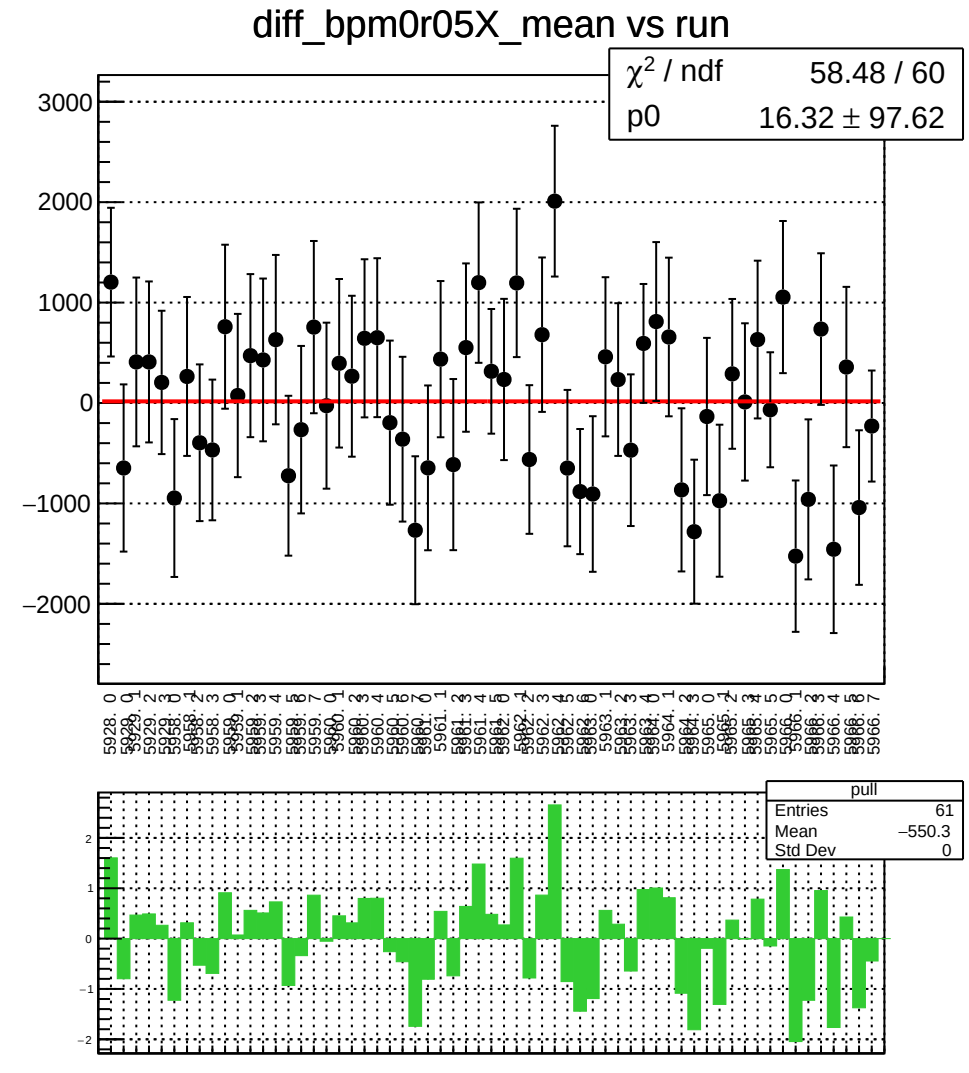

pull1D
Entries 61
Mean −0.006697
Std Dev 0.9729

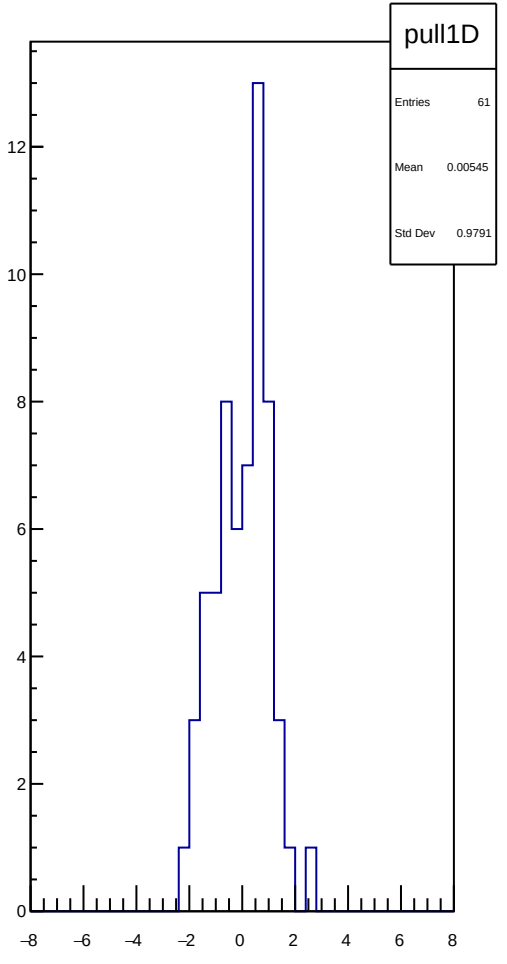

diff_bpm0r03X_rms vs run
χ² / ndf 1381 / 60
p0 6.449e+04 ± 59.08
70000
68000
66000
64000
62000
60000

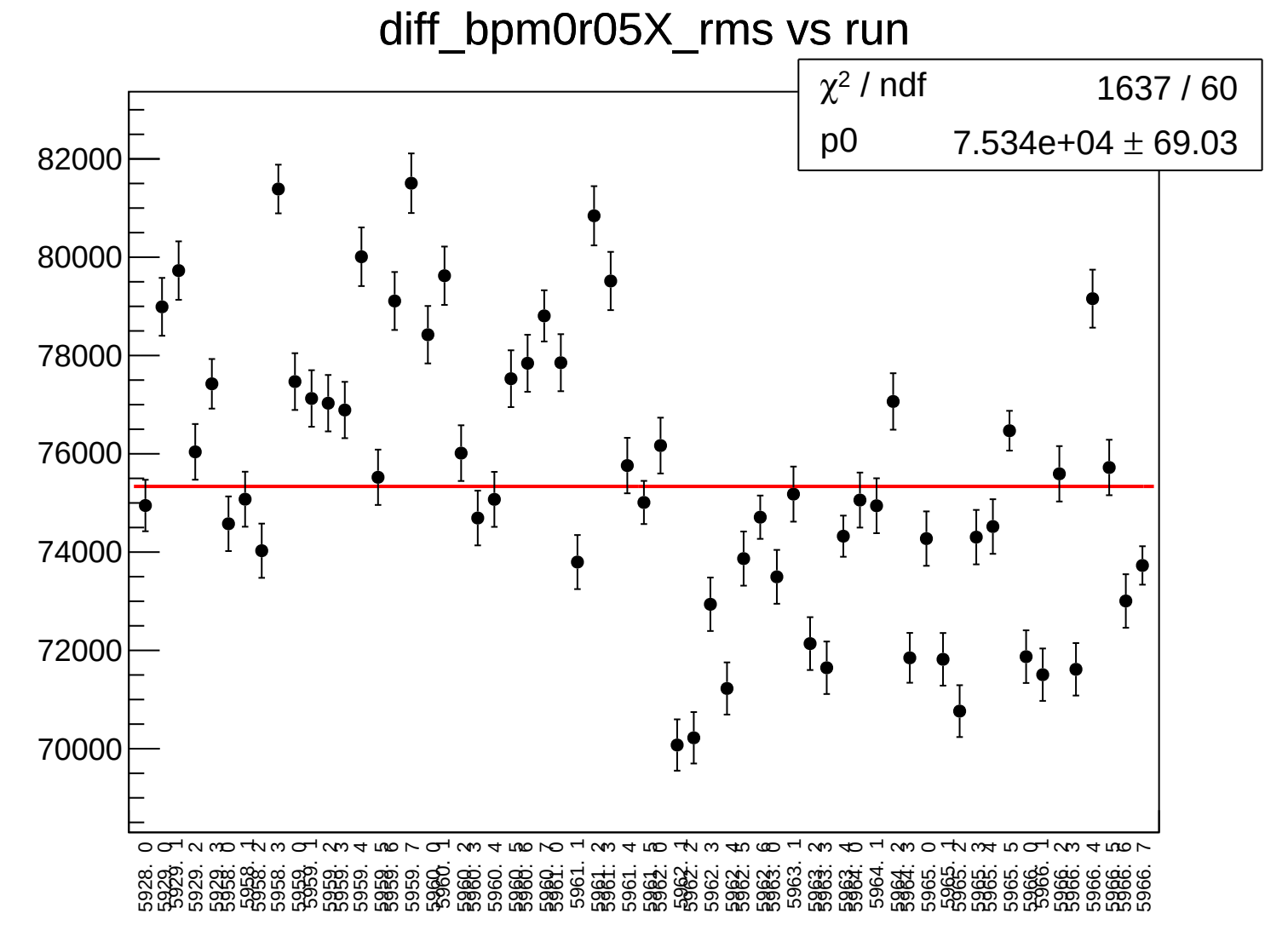

diff_bpm0r03Y_mean vs run
χ² / ndf 54.14 / 60
p0 3.574 ± 3.966
100
50
0
−50
−100
pull
Entries 61
Mean 70.83
Std Dev 44.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

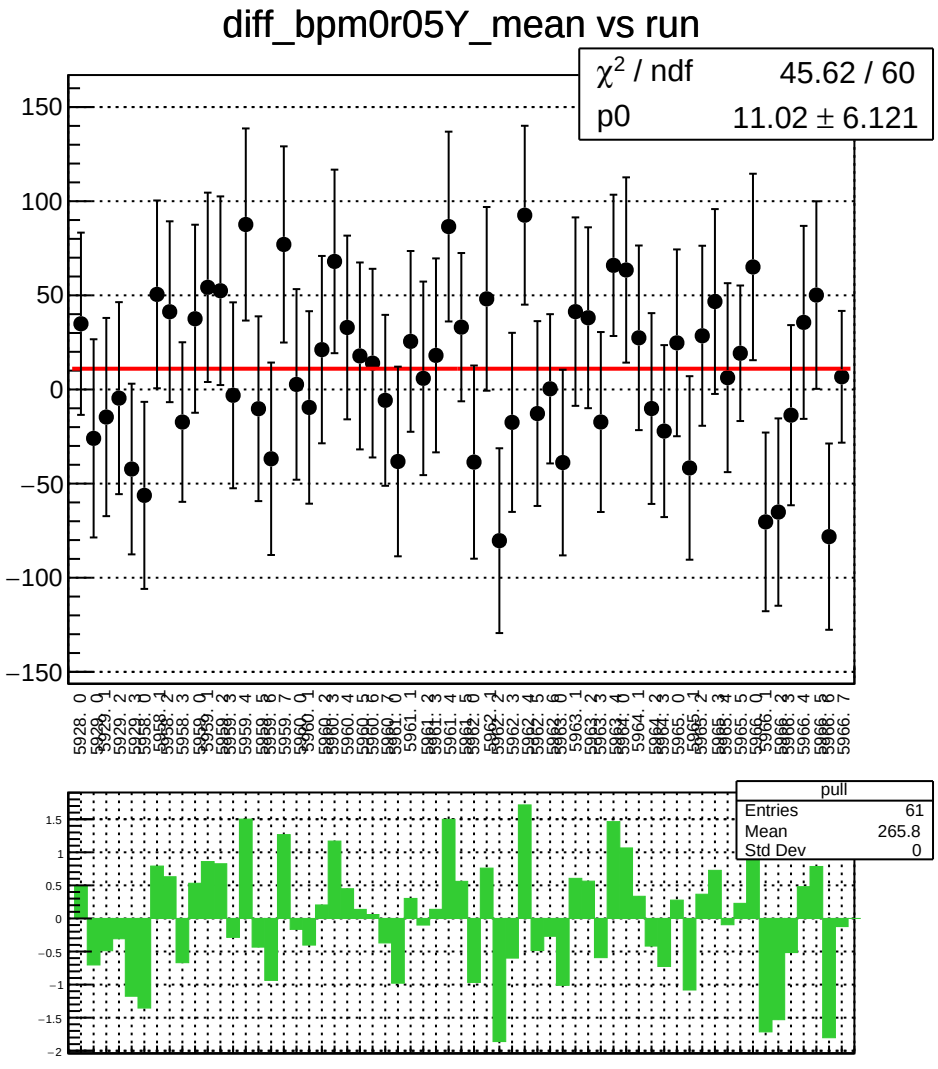

pull1D
Entries 61
Mean −0.01336
Std Dev 0.942
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

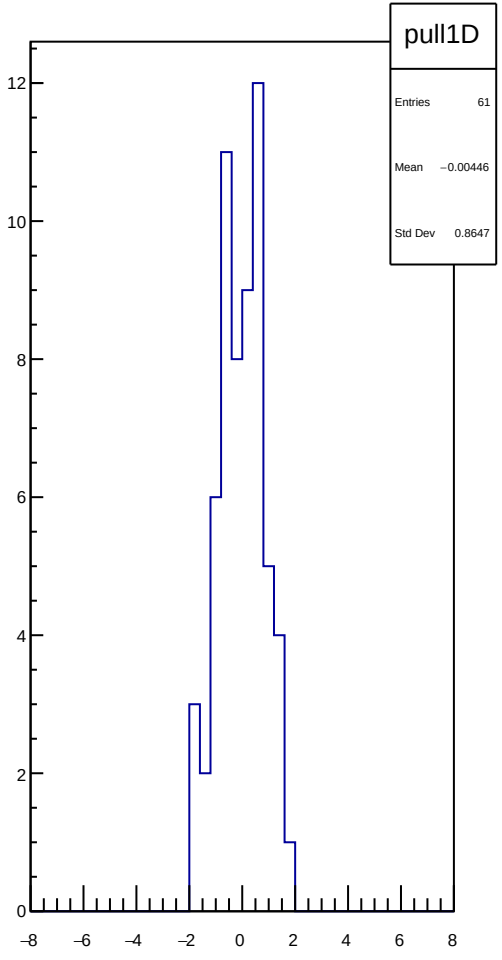

diff_bpm0r03Y_rms vs run
χ² / ndf 260.8 / 60
p0 3063 ± 2.805
3200
3150
3100
3050
3000
2950

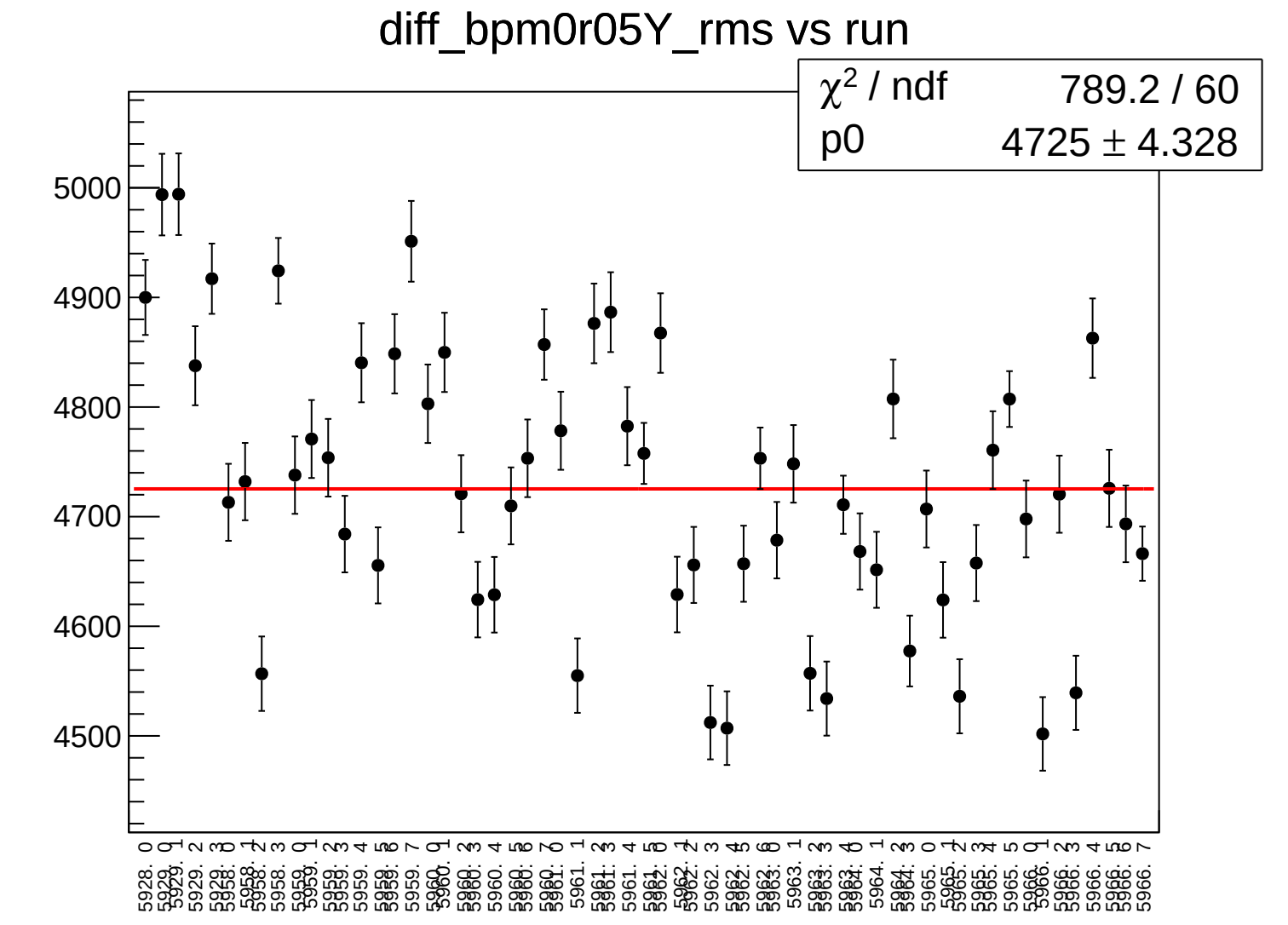

diff_bpm0r05X_mean vs run
χ² / ndf 58.48 / 60
p0 16.32 ± 97.62
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −550.3
Std Dev 0
2
1
0
−1
−2

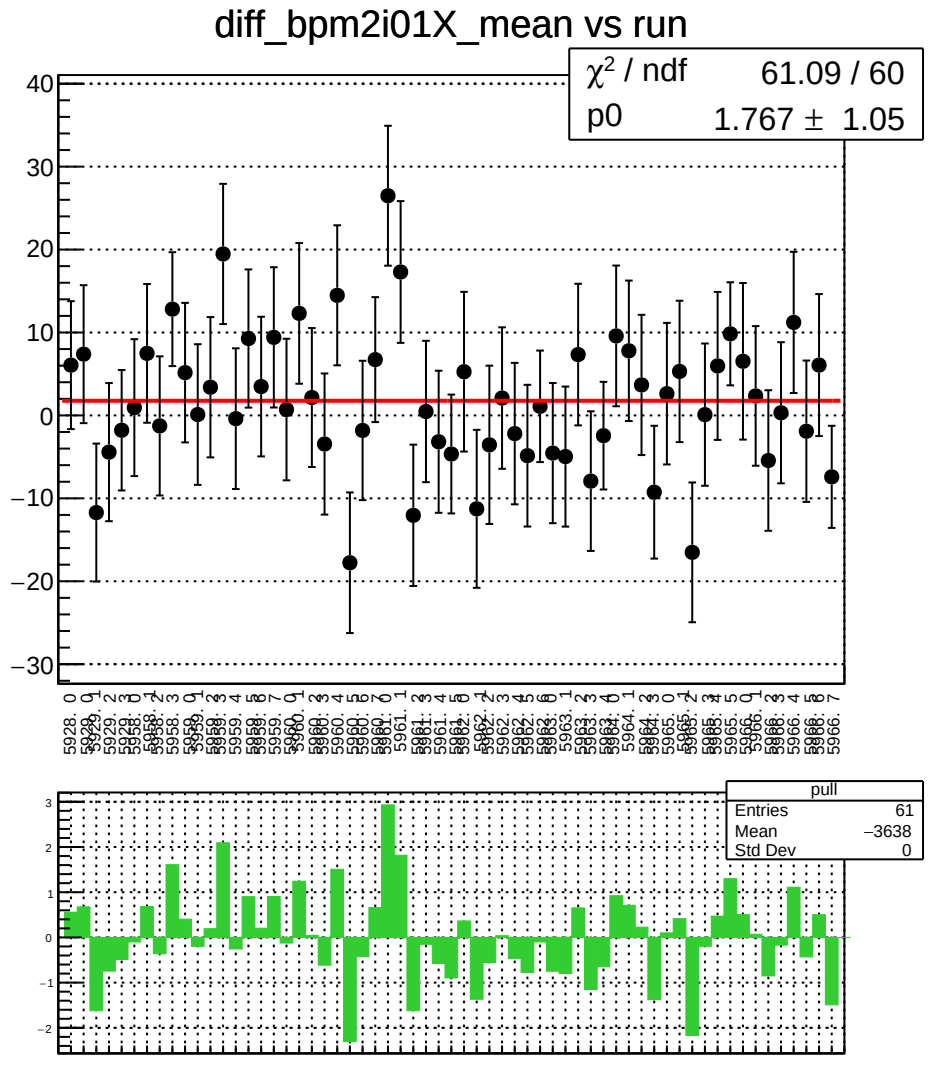

pull1D
Entries 61
Mean 0.00545
Std Dev 0.9791
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

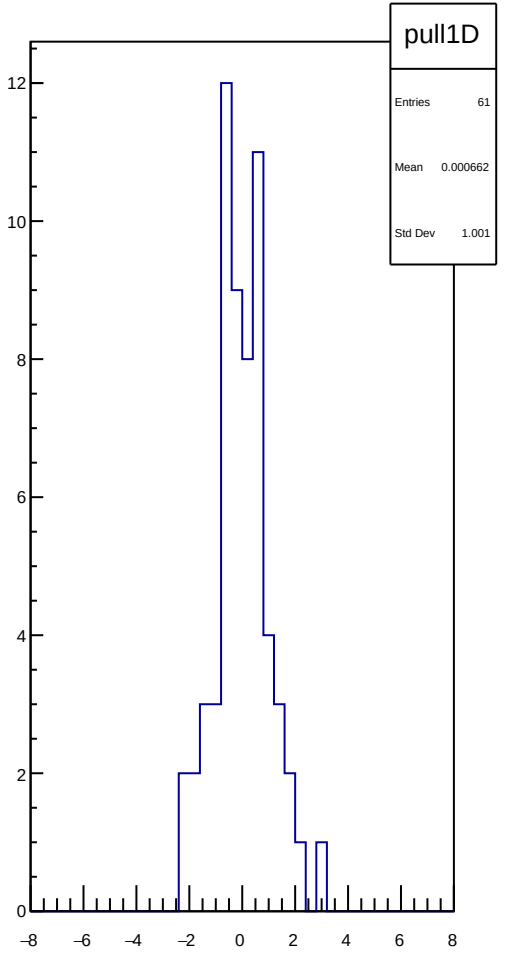

diff_bpm0r05X_rms vs run
χ² / ndf 1637 / 60
p0 7.534e+04 ± 69.03
82000
80000
78000
76000
74000
72000
70000

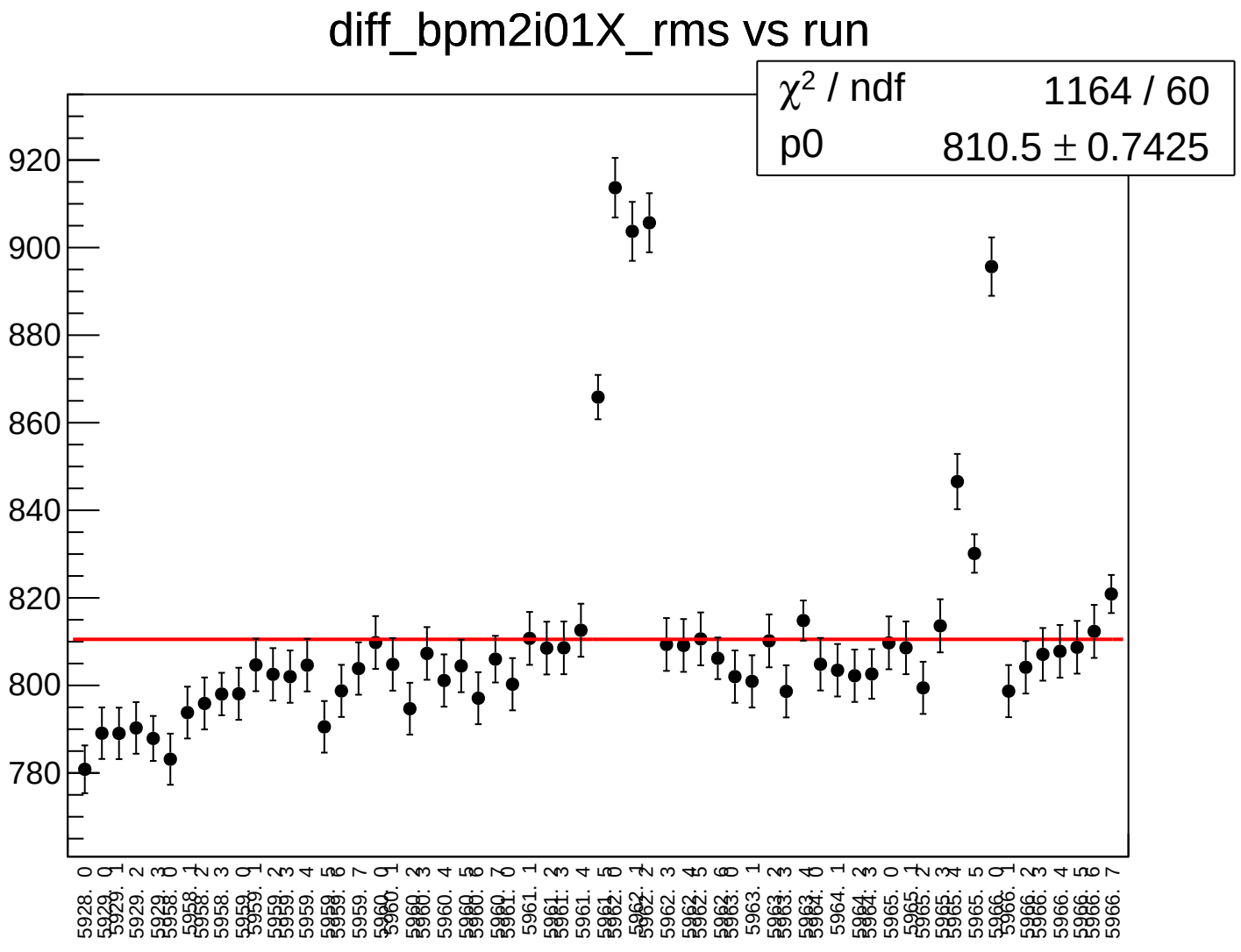

diff_bpm0r05Y_mean vs run
χ² / ndf 45.62 / 60
p0 11.02 ± 6.121
pull
Entries 61
Mean 265.8
Std Dev 0

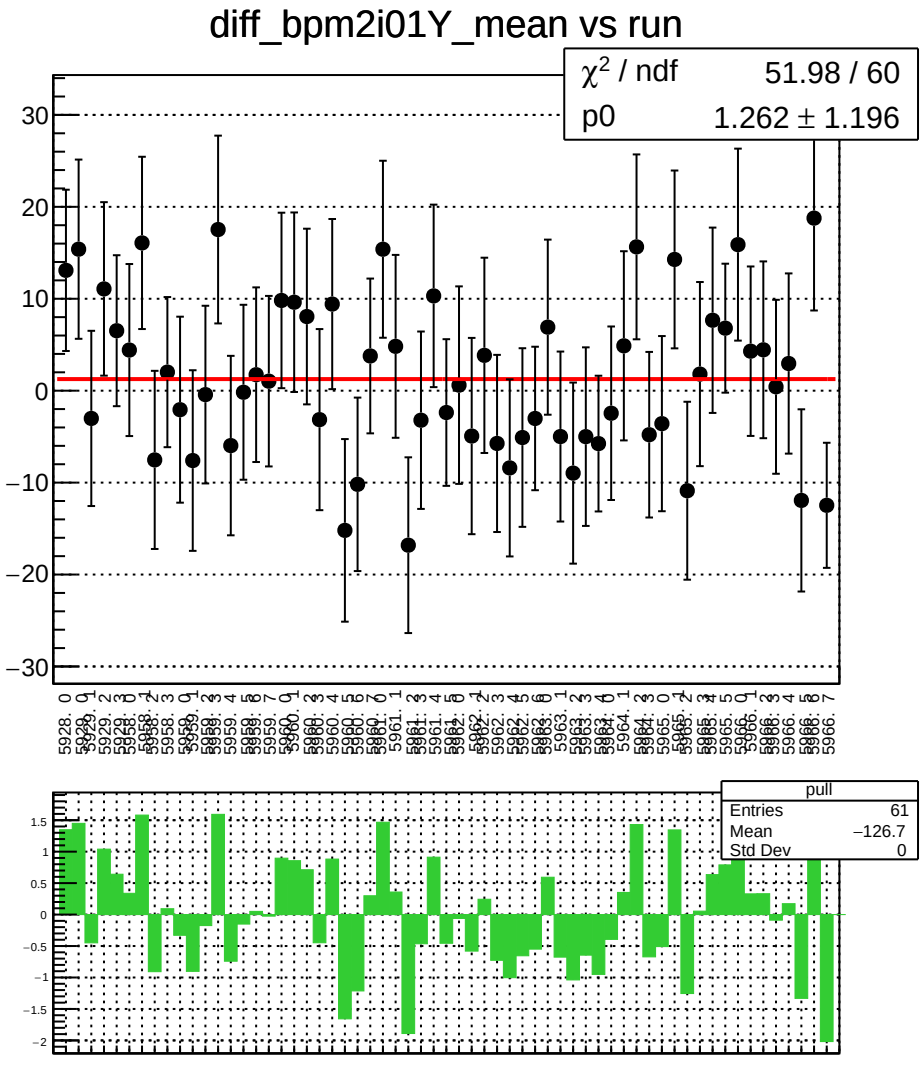

pull1D
Entries 61
Mean −0.00446
Std Dev 0.8647

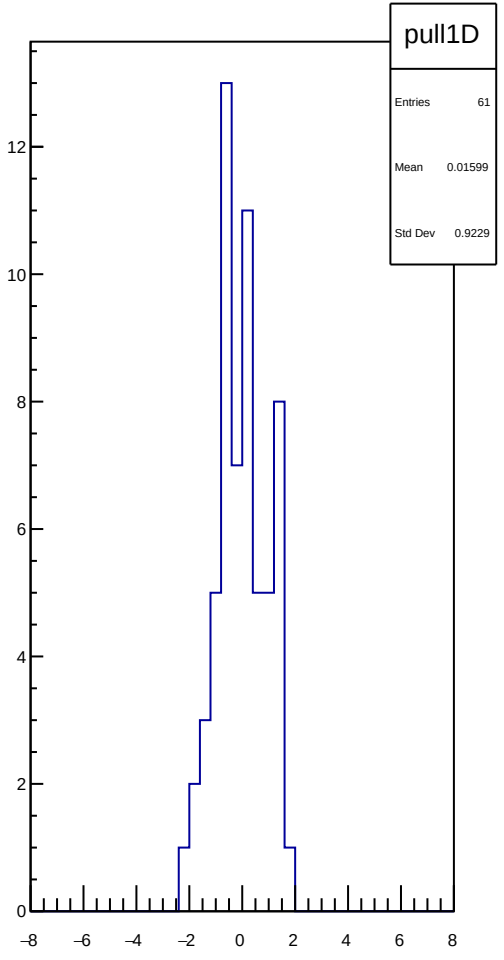

diff_bpm0r05Y_rms vs run
χ² / ndf 789.2 / 60
p0 4725 ± 4.328
5000
4900
4800
4700
4600
4500

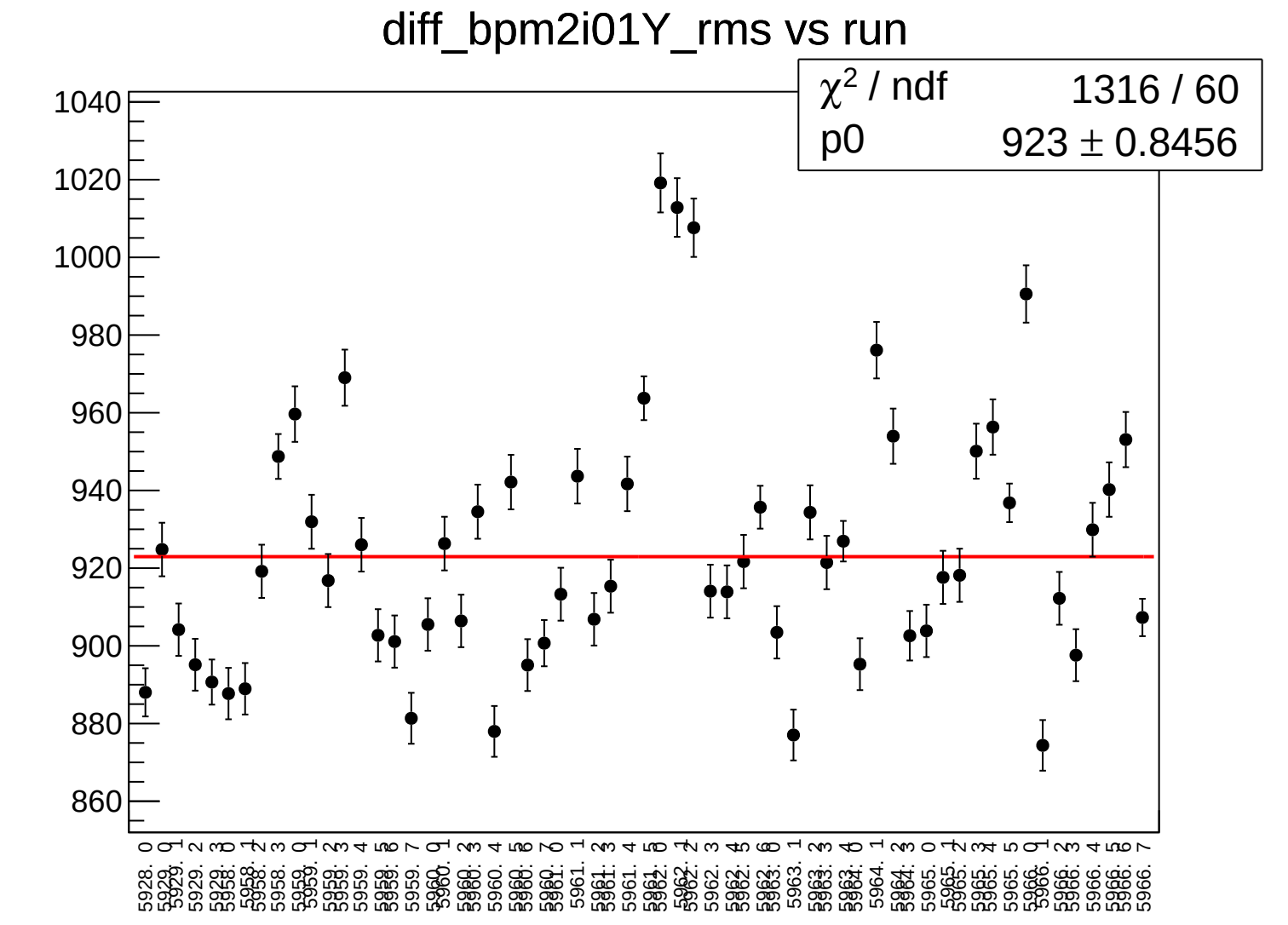

diff_bpm2i01X_mean vs run
χ² / ndf 61.09 / 60
p0 1.767 ± 1.05
pull
Entries 61
Mean −3638
Std Dev 0

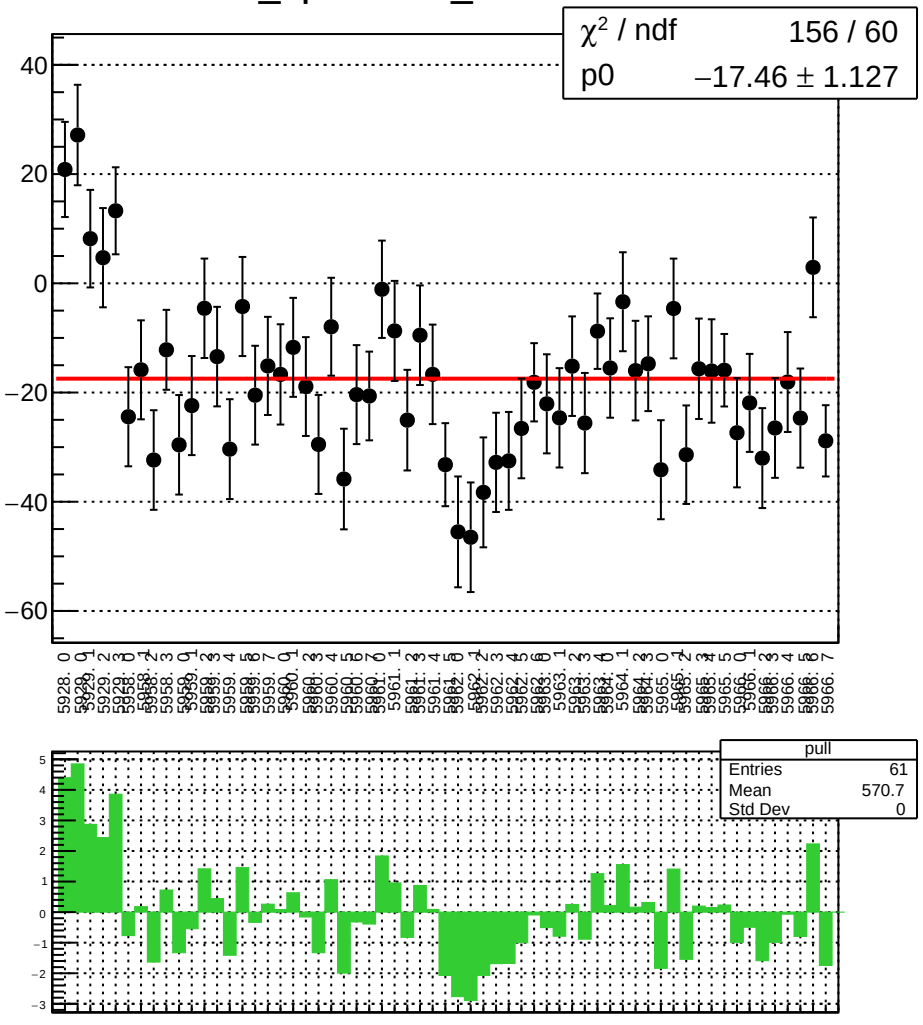

pull1D
Entries 61
Mean 0.000662
Std Dev 1.001

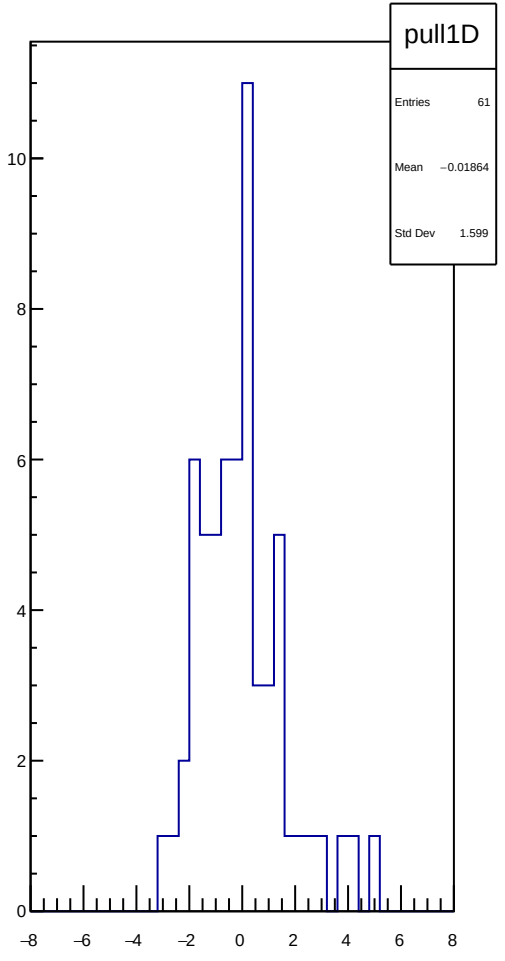

diff_bpm2i01X_rms vs run
χ² / ndf 1164 / 60
p0 810.5 ± 0.7425
920
900
880
860
840
820
800
780

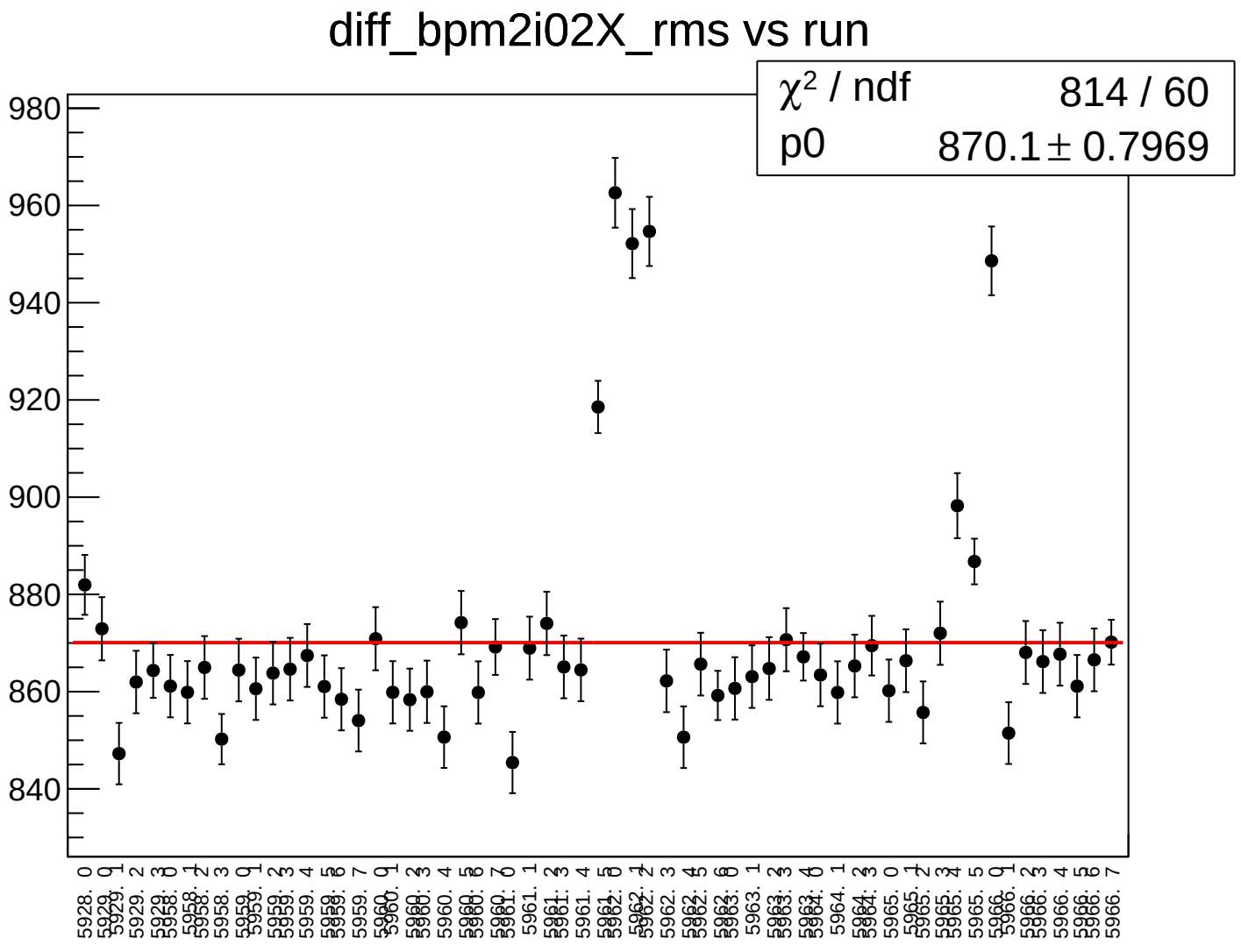

diff_bpm2i01Y_mean vs run
χ² / ndf 51.98 / 60
p0 1.262 ± 1.196
pull
Entries 61
Mean −126.7
Std Dev 0

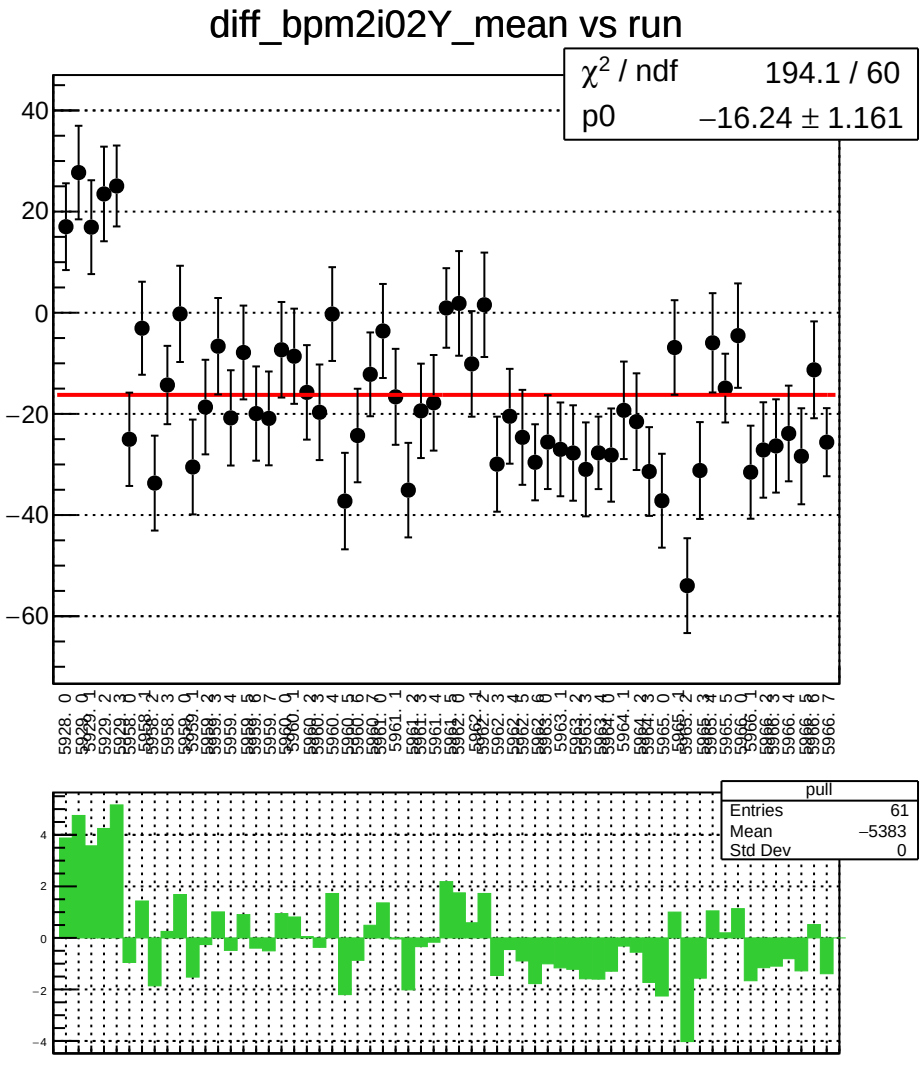

pull1D
Entries 61
Mean 0.01599
Std Dev 0.9229

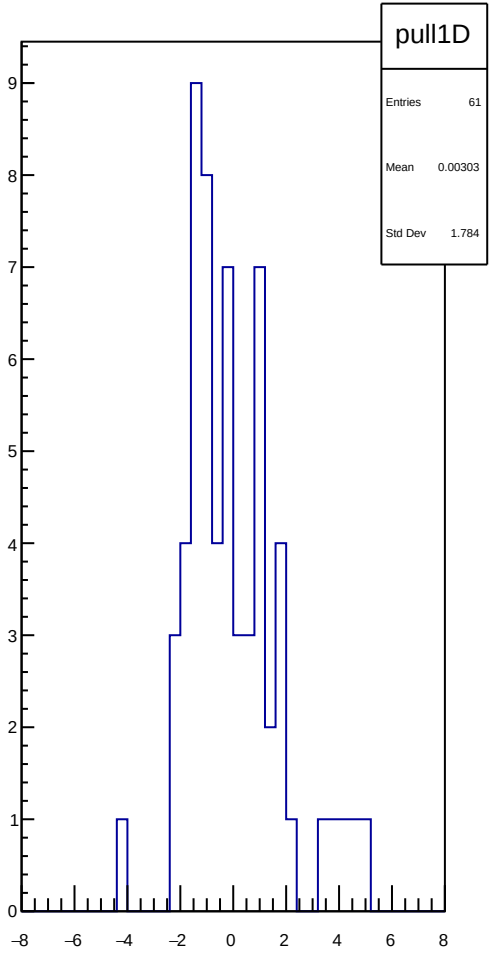

diff_bpm2i01Y_rms vs run
χ² / ndf 1316 / 60
p0 923 ± 0.8456
1040
1020
1000
980
960
940
920
900
880
860

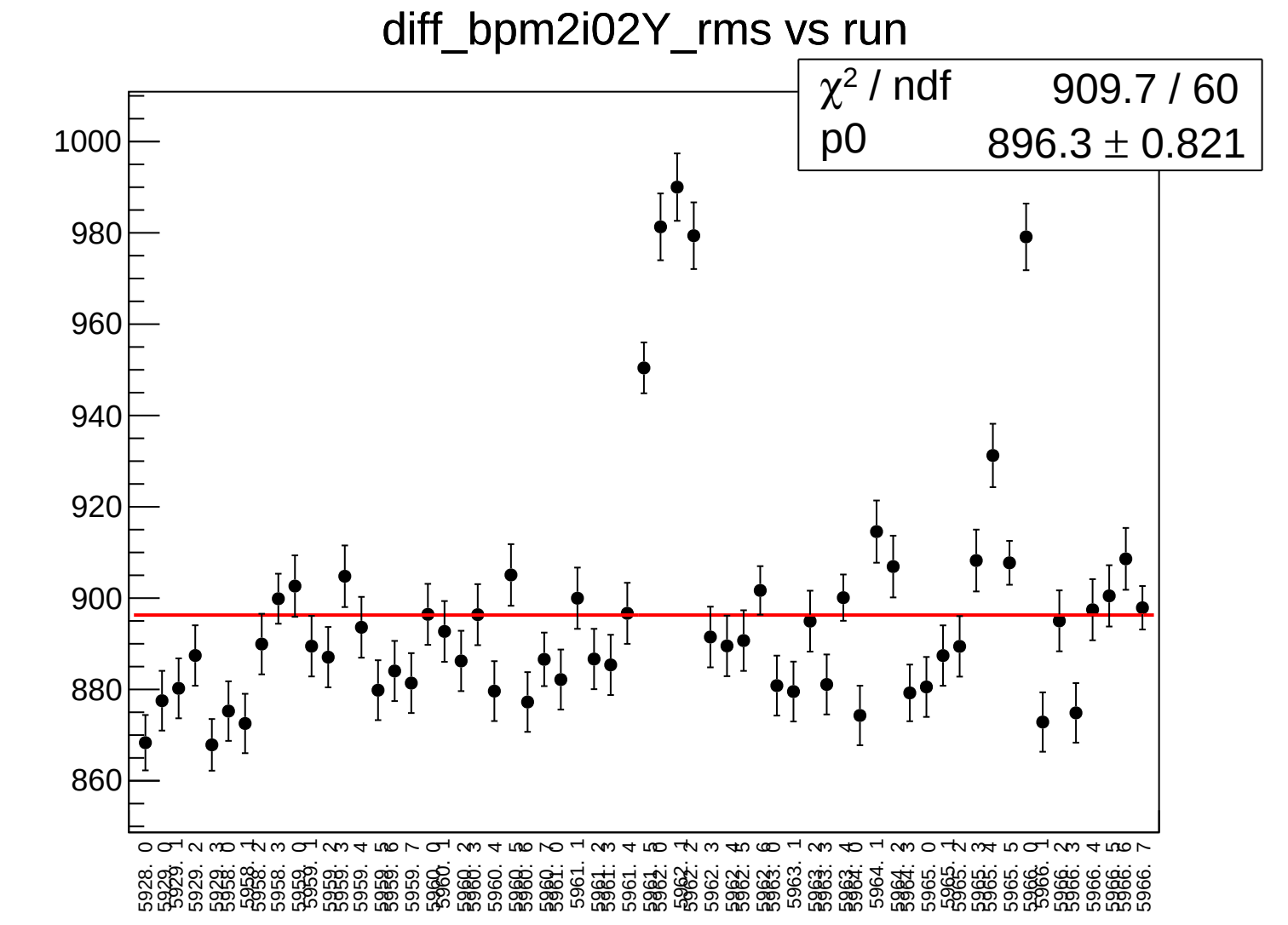

diff_bpm2i02X_mean vs run
χ² / ndf 156 / 60
p0 −17.46 ± 1.127
pull
Entries 61
Mean 570.7
Std Dev 0

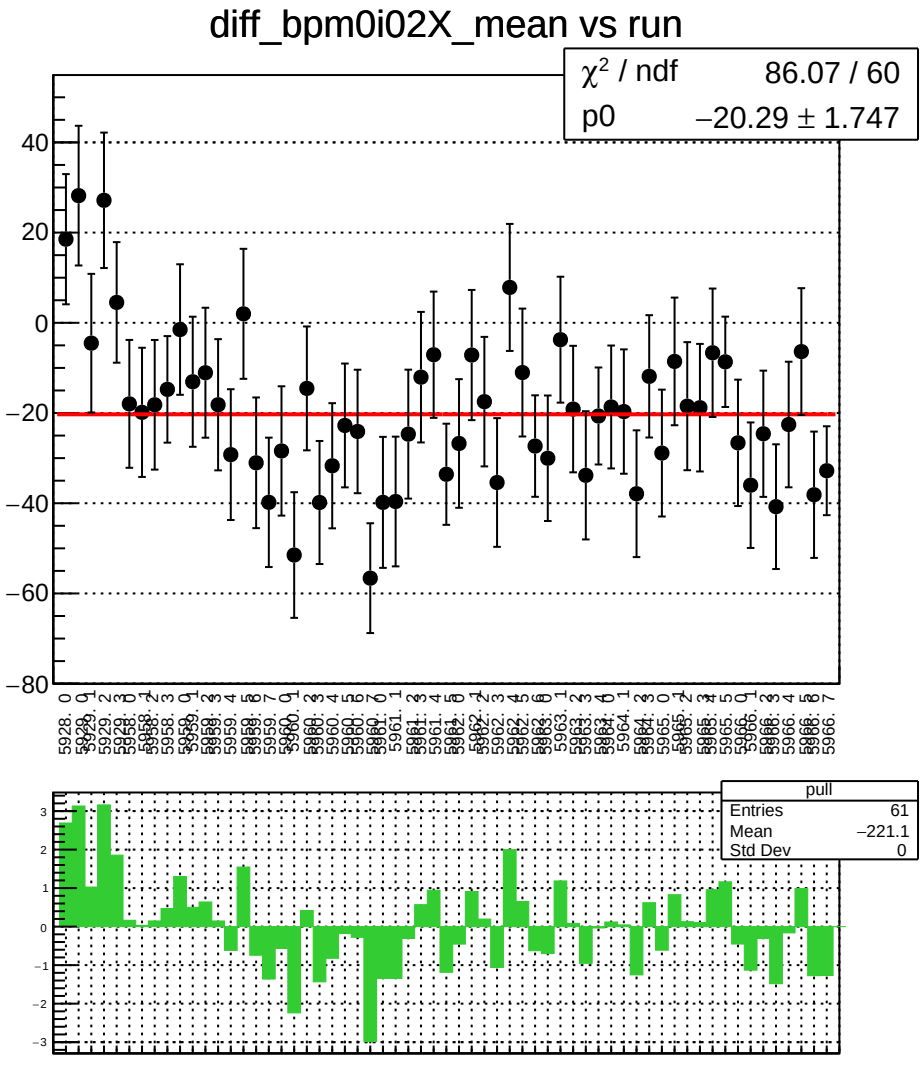

pull1D
Entries 61
Mean −0.01864
Std Dev 1.599

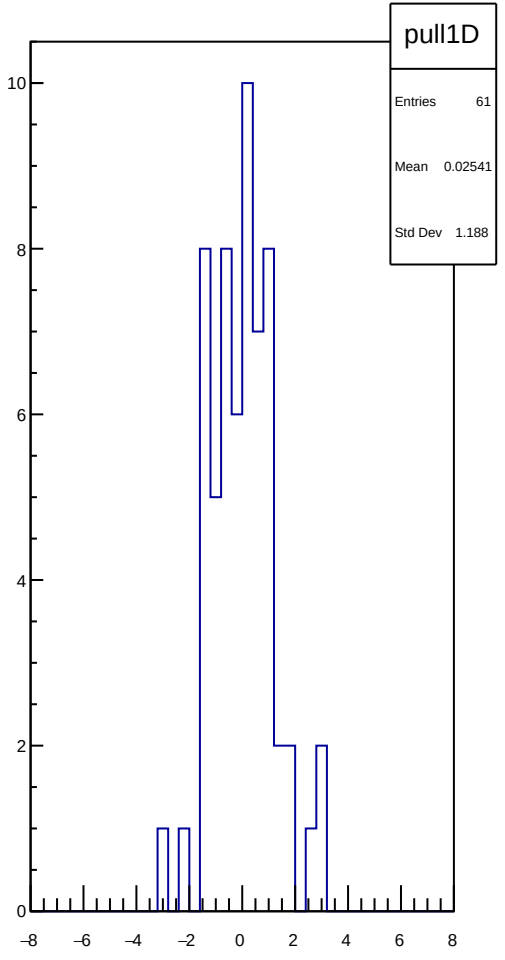

diff_bpm2i02X_rms vs run
χ² / ndf 814 / 60
p0 870.1 ± 0.7969
980
960
940
920
900
880
860
840

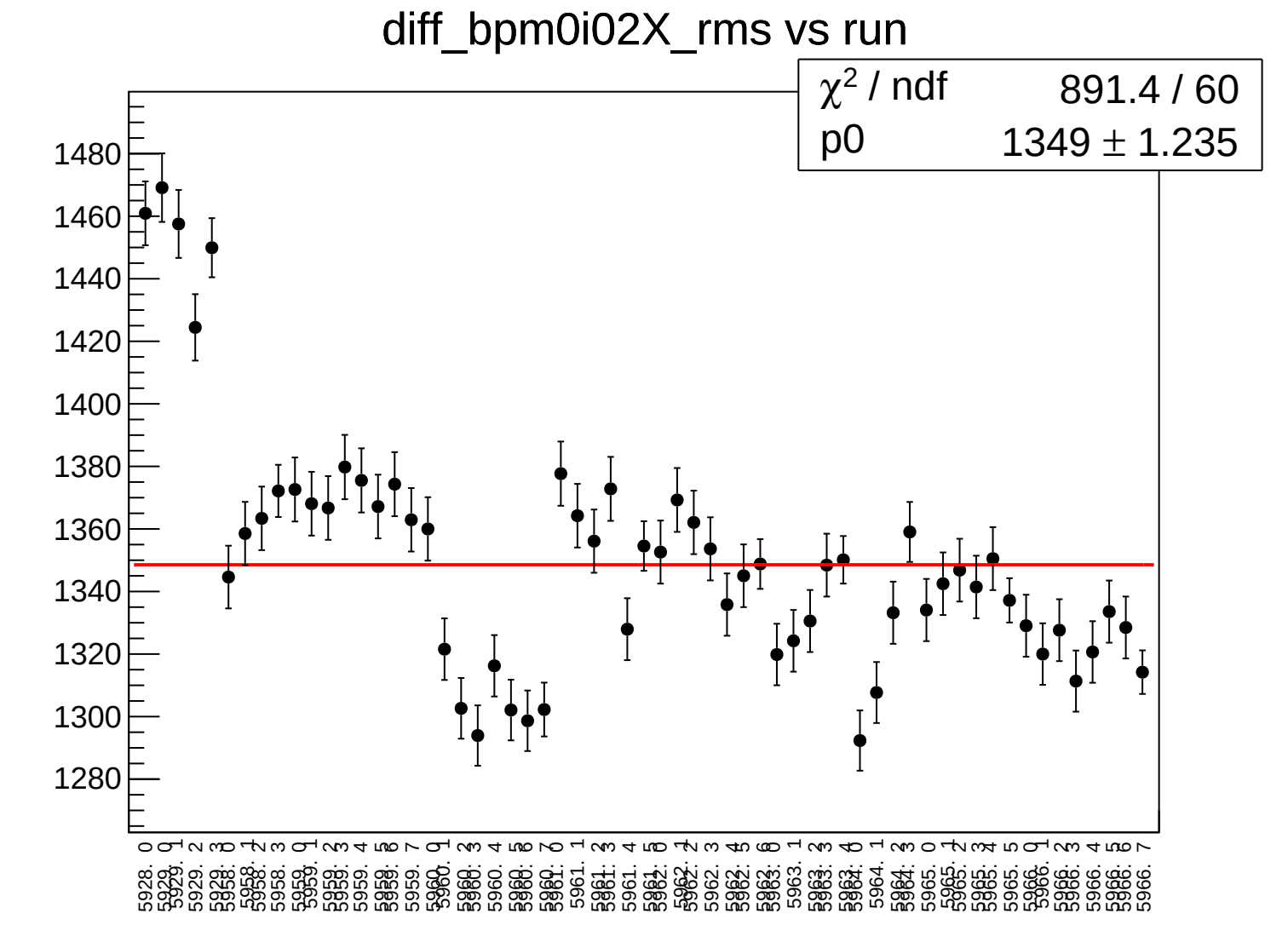

diff_bpm2i02Y_mean vs run
χ² / ndf 194.1 / 60
p0 −16.24 ± 1.161
pull
Entries 61
Mean −5383
Std Dev 0

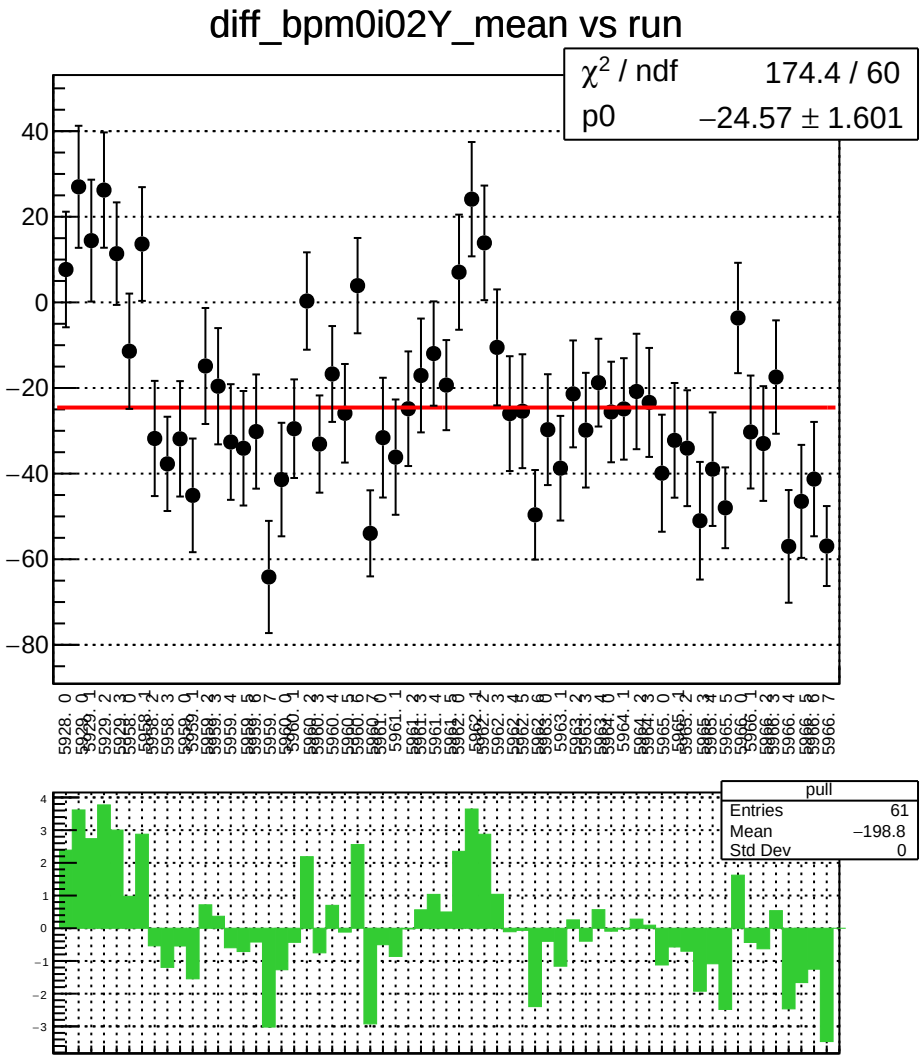

pull1D
Entries 61
Mean 0.00303
Std Dev 1.784

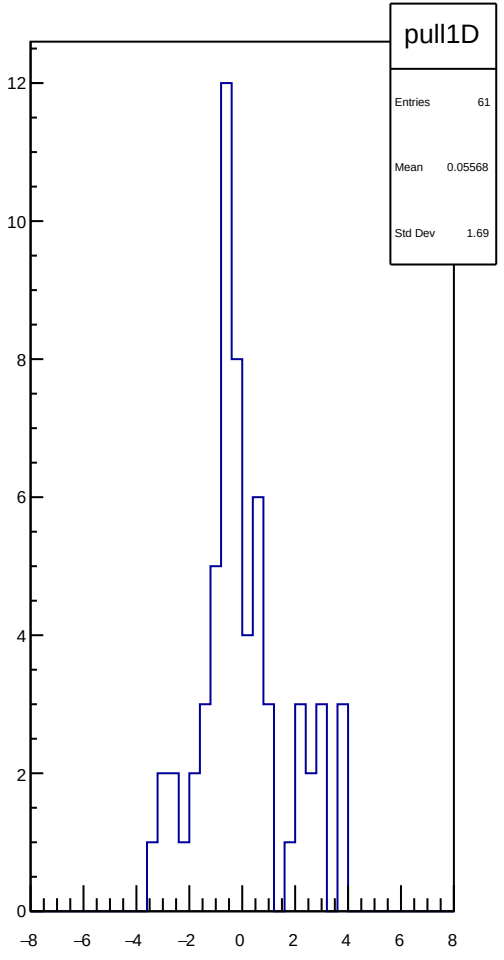

diff_bpm2i02Y_rms vs run
χ^2 / ndf 909.7 / 60
p0 896.3 ± 0.821
1000
980
960
940
920
900
880
860

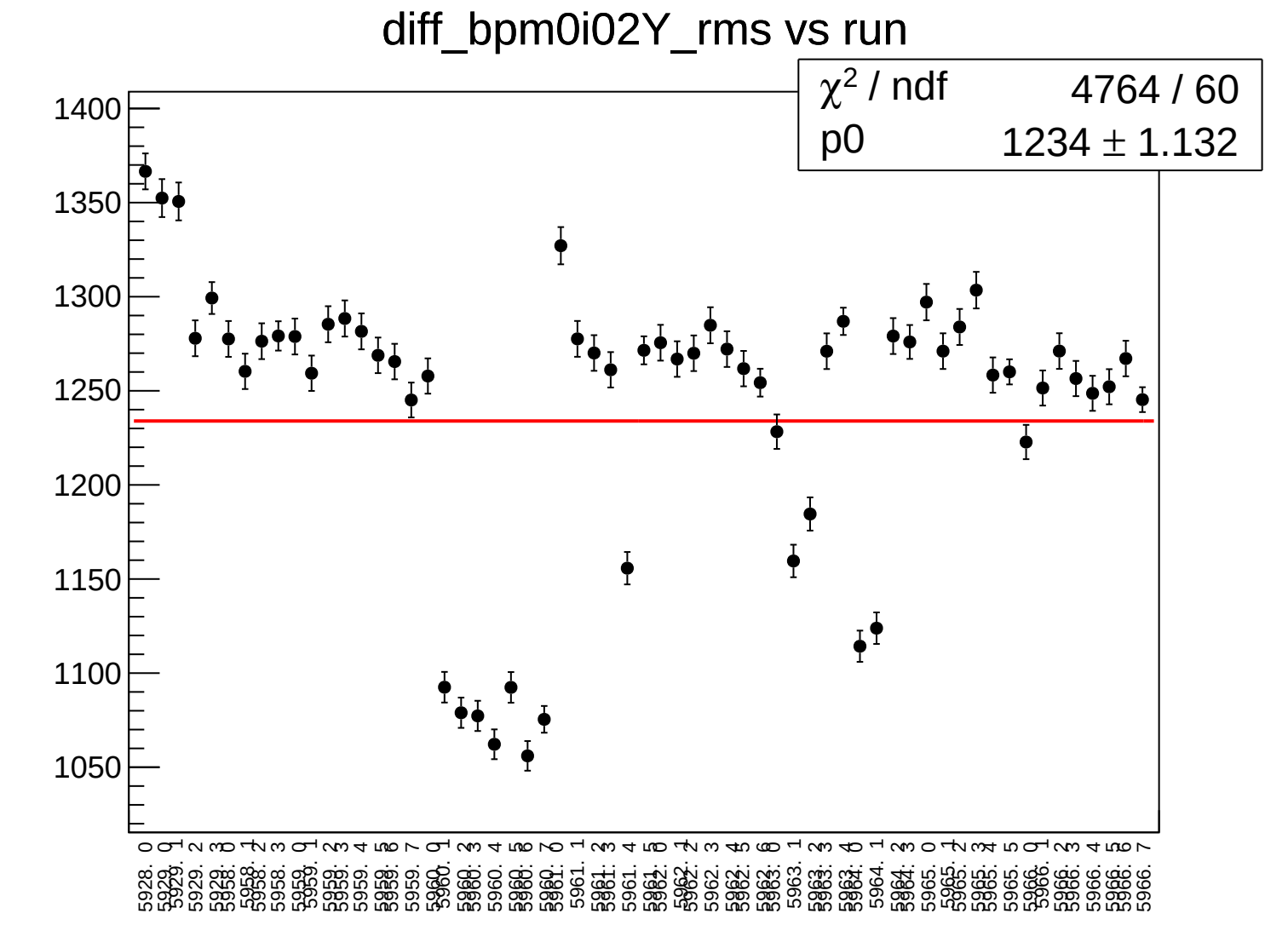

diff_bpm0i02X_mean vs run
χ² / ndf 86.07 / 60
p0 −20.29 ± 1.747
pull
Entries 61
Mean −221.1
Std Dev 0

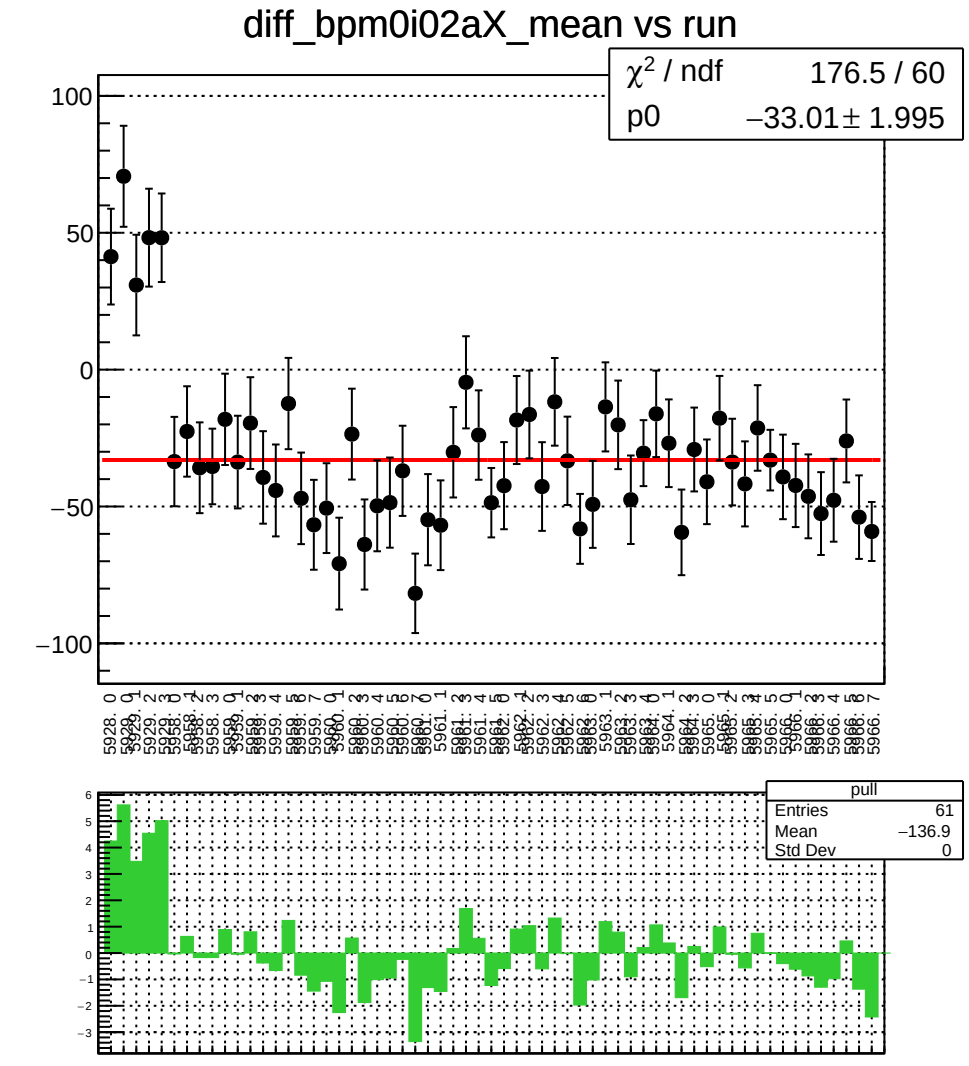

pull1D
Entries 61
Mean 0.02541
Std Dev 1.188

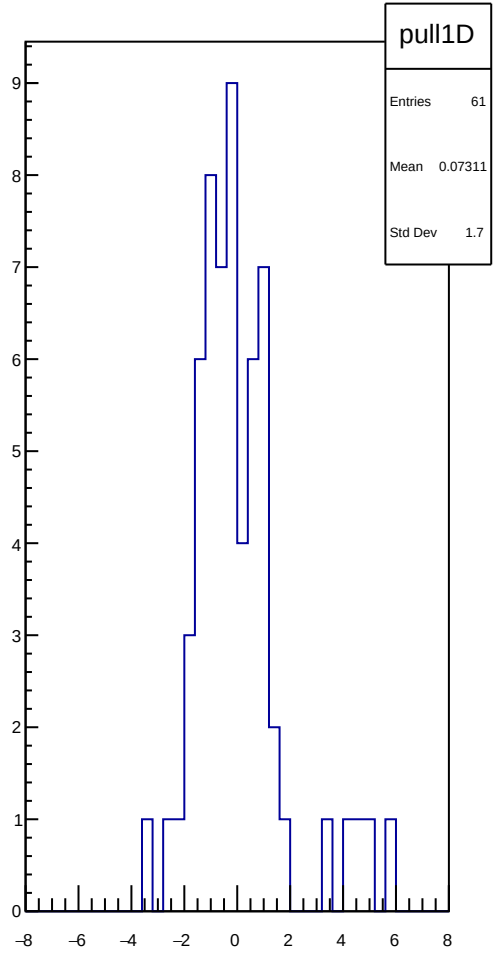

diff_bpm0i02X_rms vs run
χ^2 / ndf 891.4 / 60
p0 1349 ± 1.235
1480
1460
1440
1420
1400
1380
1360
1340
1320
1300
1280

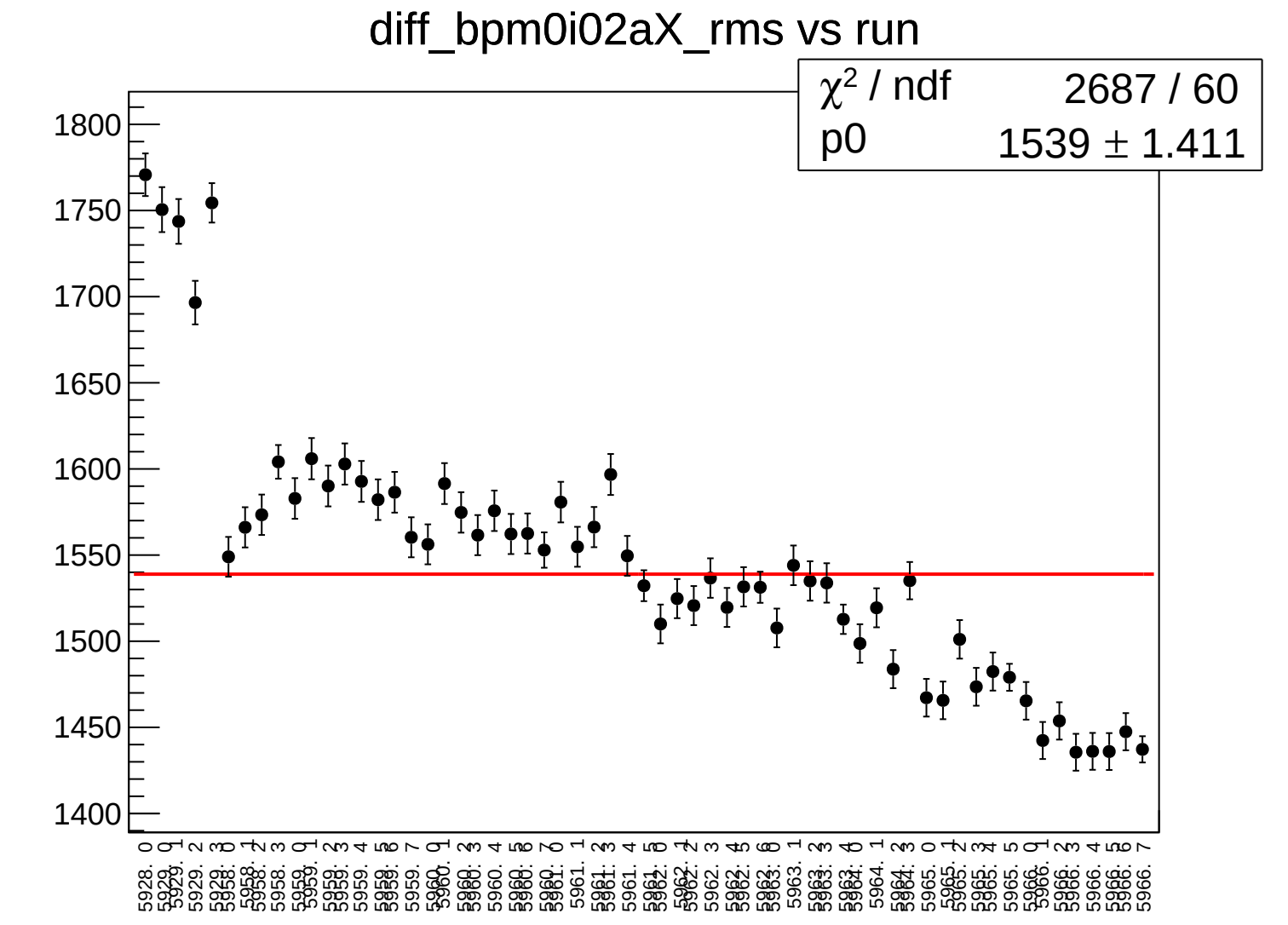

diff_bpm0i02Y_mean vs run
χ² / ndf 174.4 / 60
p0 −24.57 ± 1.601
pull
Entries 61
Mean −198.8
Std Dev 0

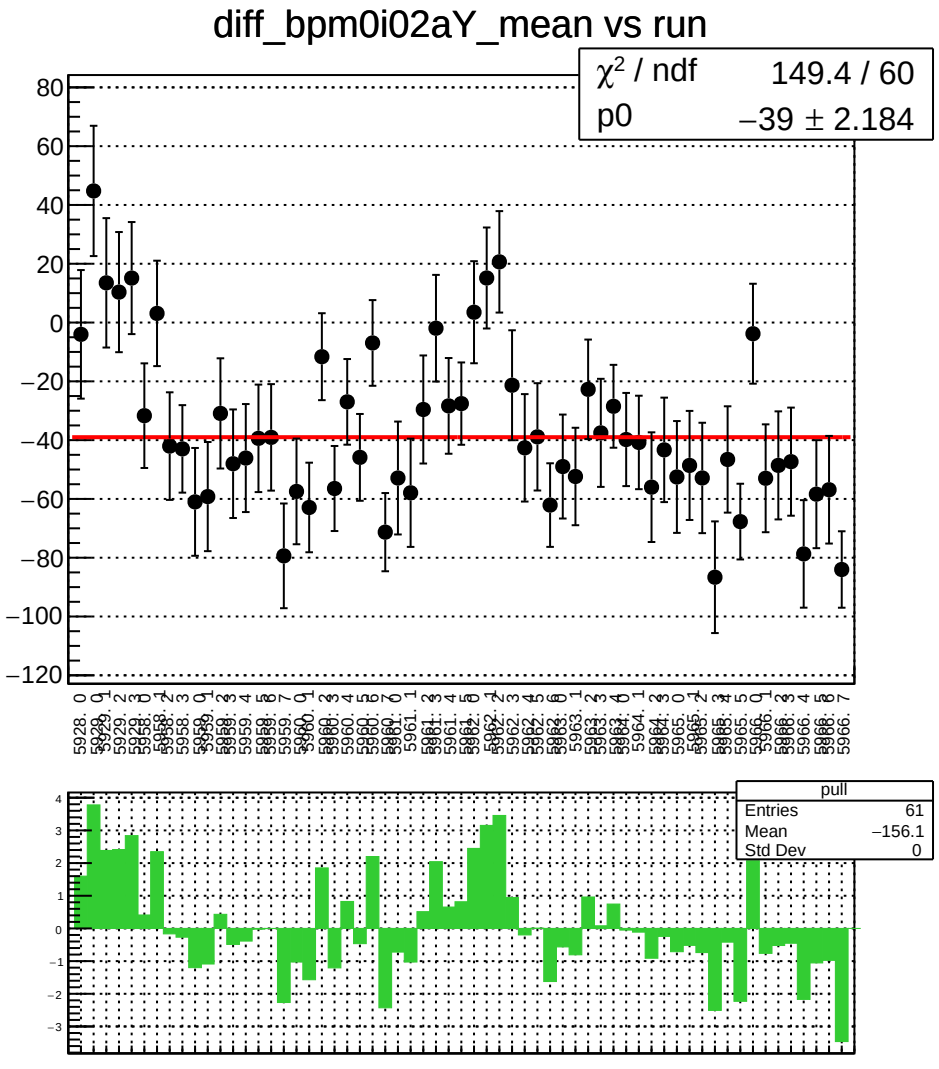

pull1D
Entries 61
Mean 0.05568
Std Dev 1.69

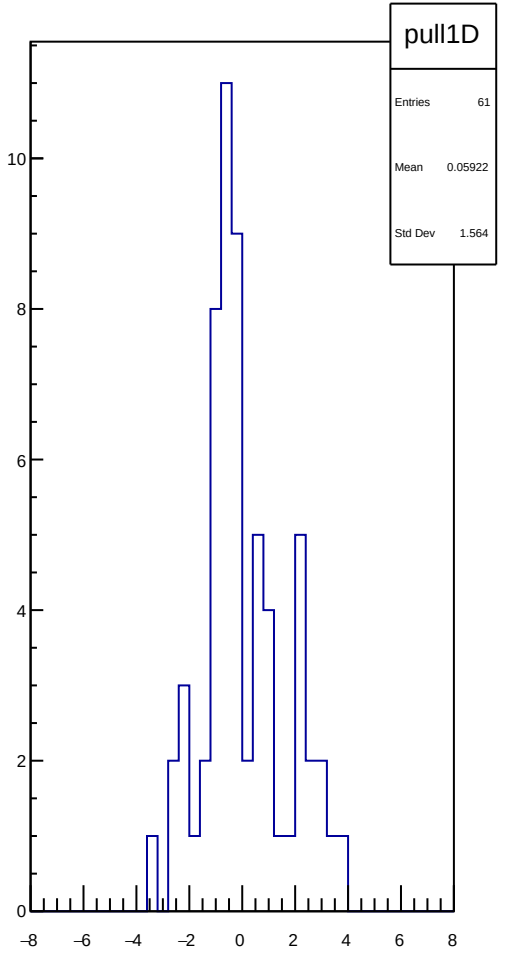

diff_bpm0i02Y_rms vs run
χ² / ndf 4764 / 60
p0 1234 ± 1.132
1400
1350
1300
1250
1200
1150
1100
1050

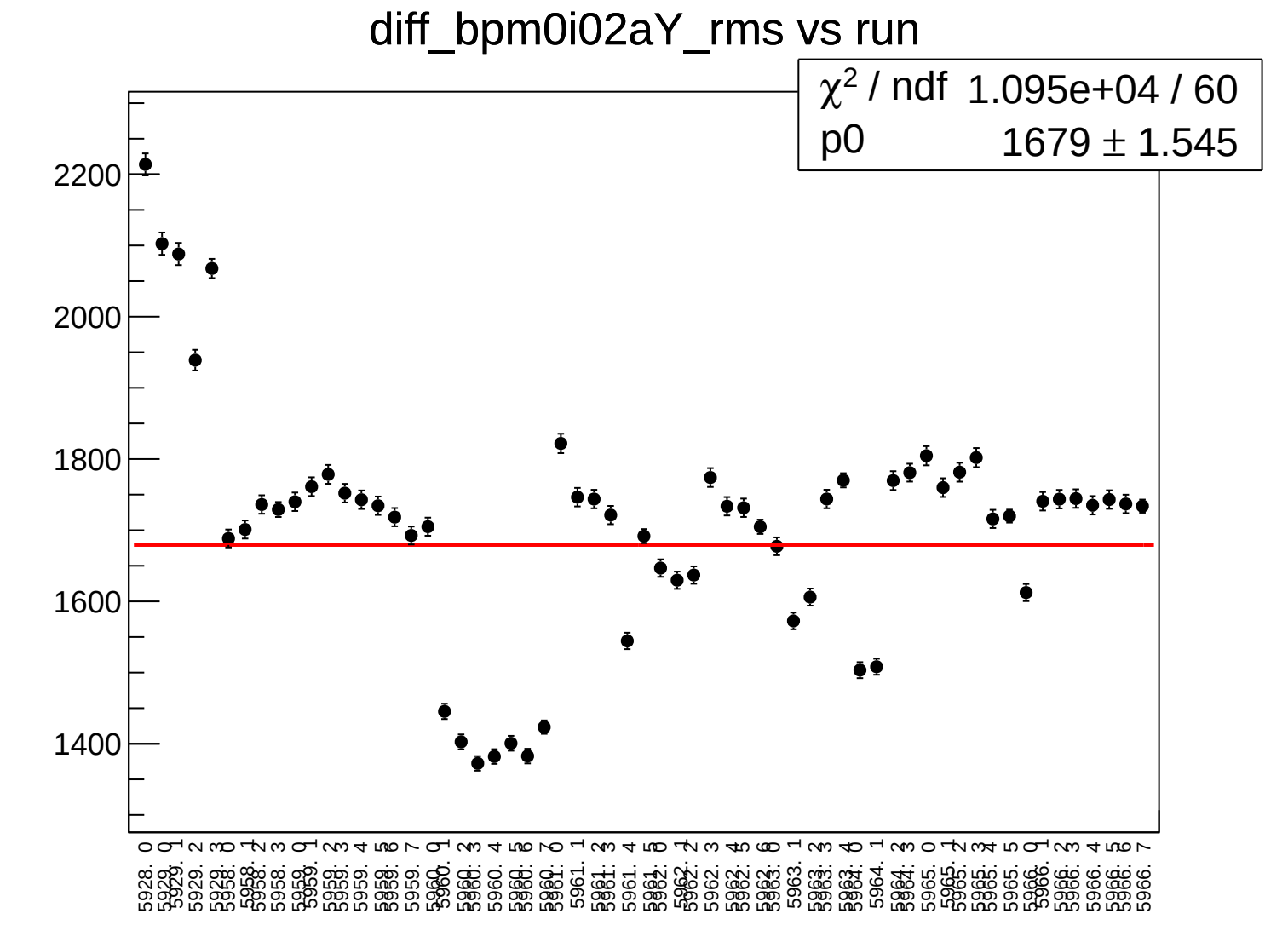

diff_bpm0i02aX_mean vs run
χ² / ndf 176.5 / 60
p0 −33.01 ± 1.995
pull
Entries 61
Mean −136.9
Std Dev 0

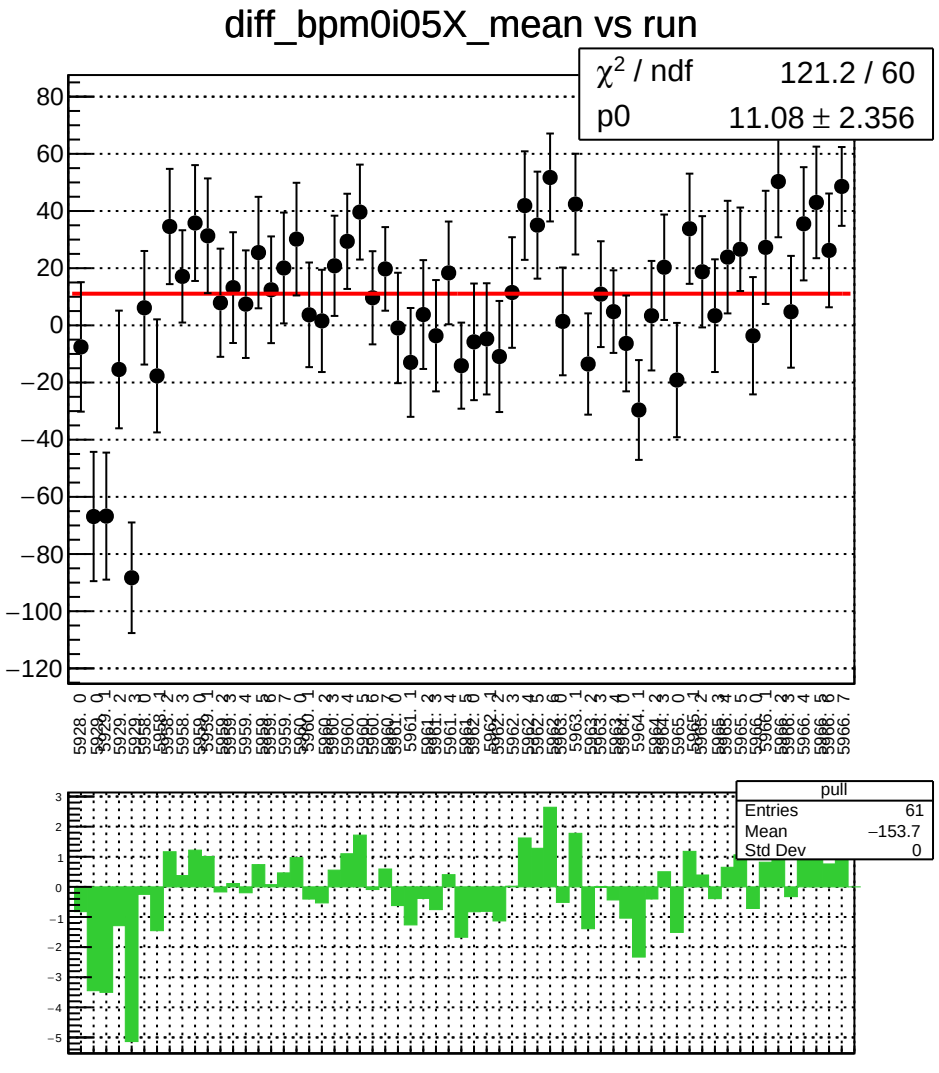

pull1D
Entries 61
Mean 0.07311
Std Dev 1.7

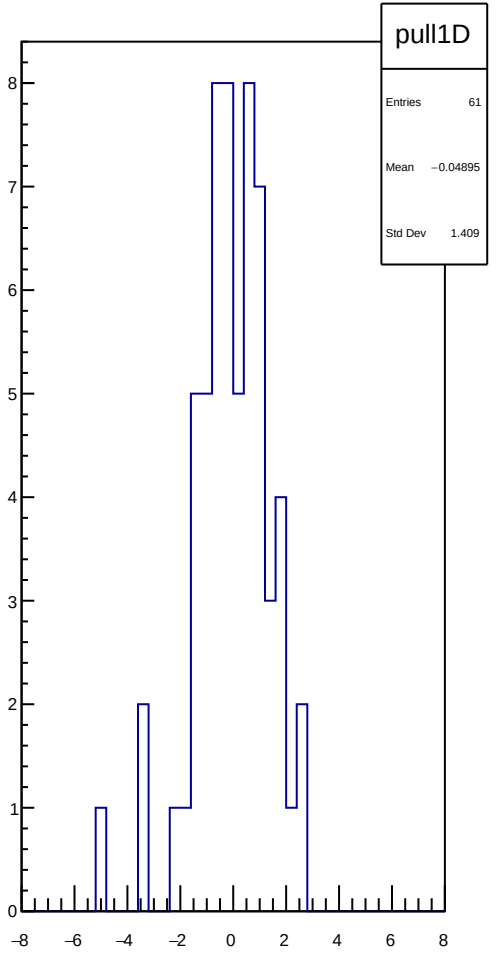

diff_bpm0i02aX_rms vs run
χ² / ndf 2687 / 60
p0 1539 ± 1.411
1800
1750
1700
1650
1600
1550
1500
1450
1400

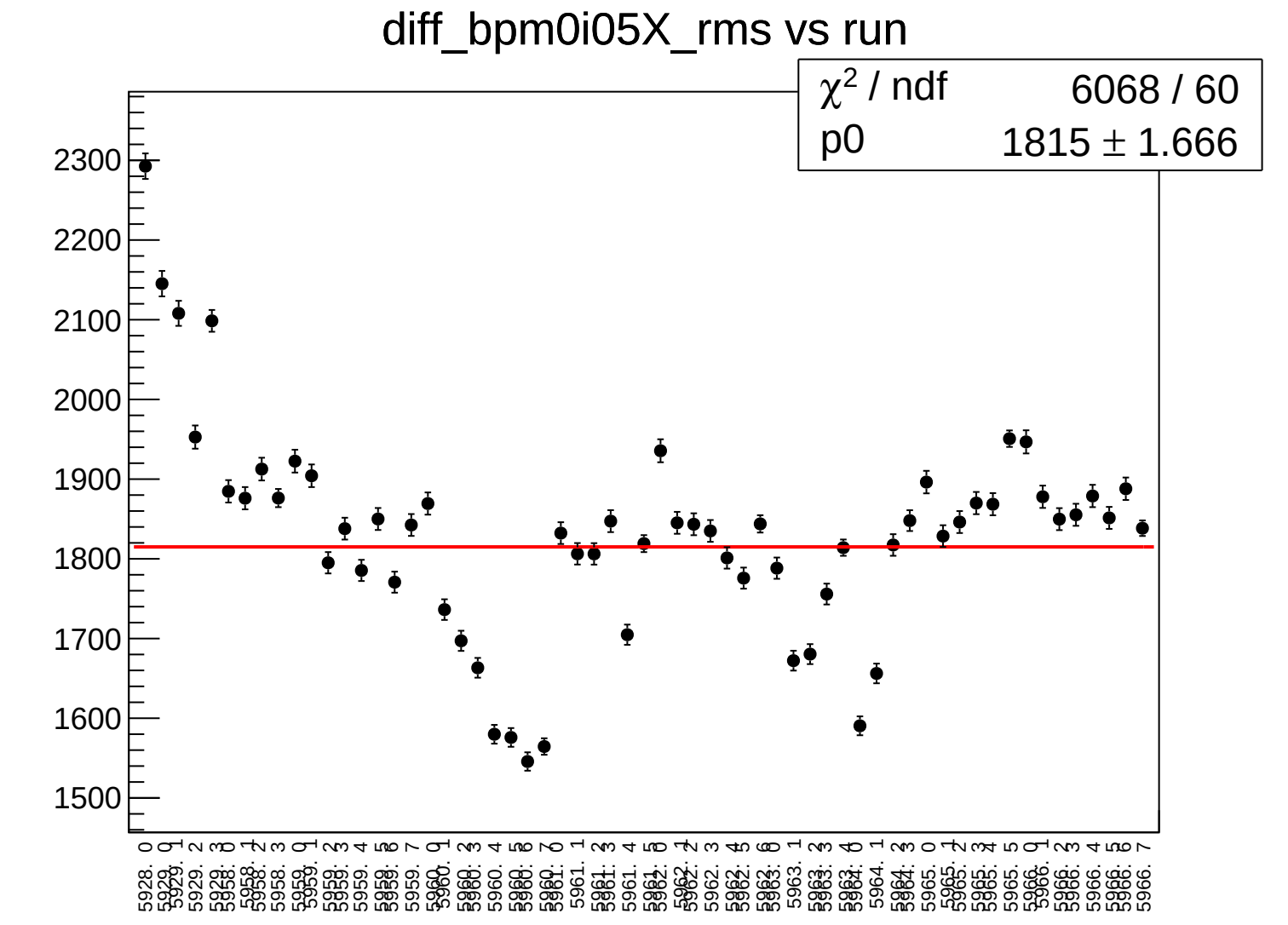

diff_bpm0i02aY_mean vs run
χ² / ndf 149.4 / 60
p0 −39 ± 2.184
pull
Entries 61
Mean −156.1
Std Dev 0

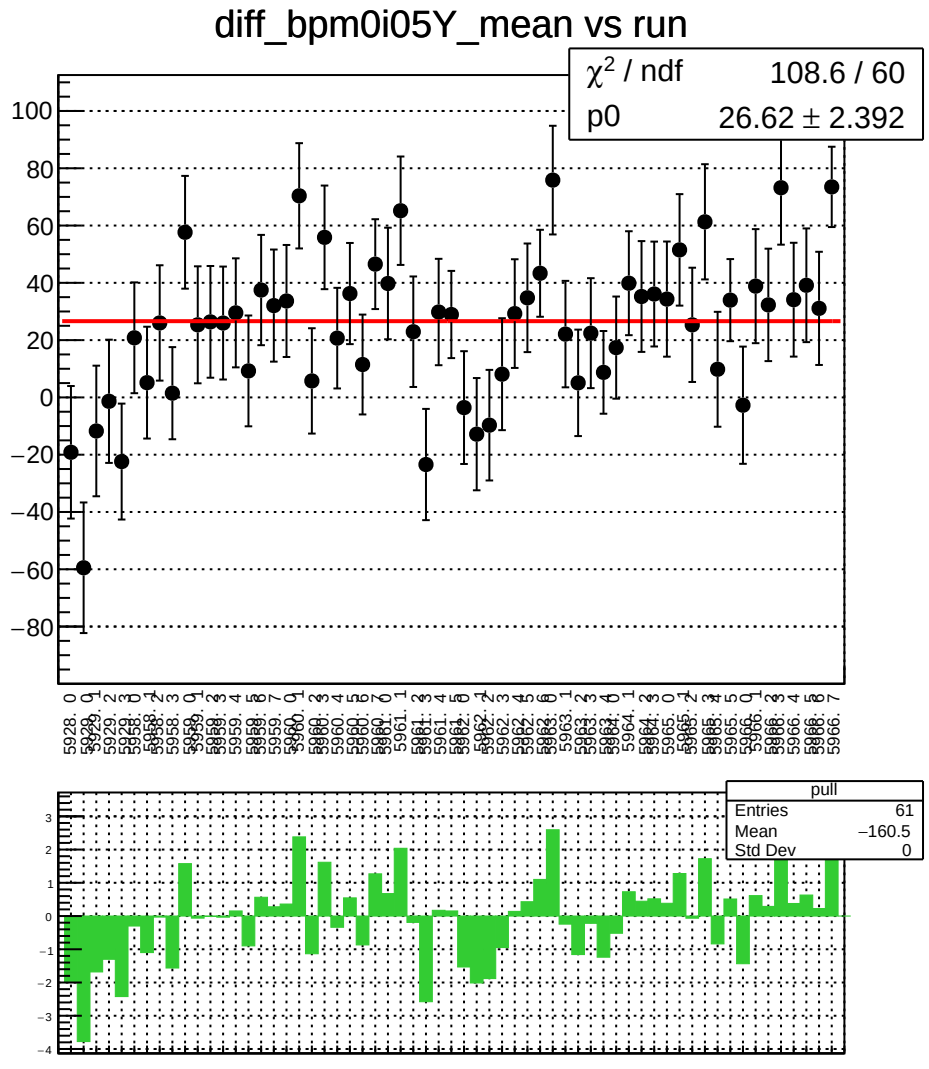

pull1D
Entries 61
Mean 0.05922
Std Dev 1.564

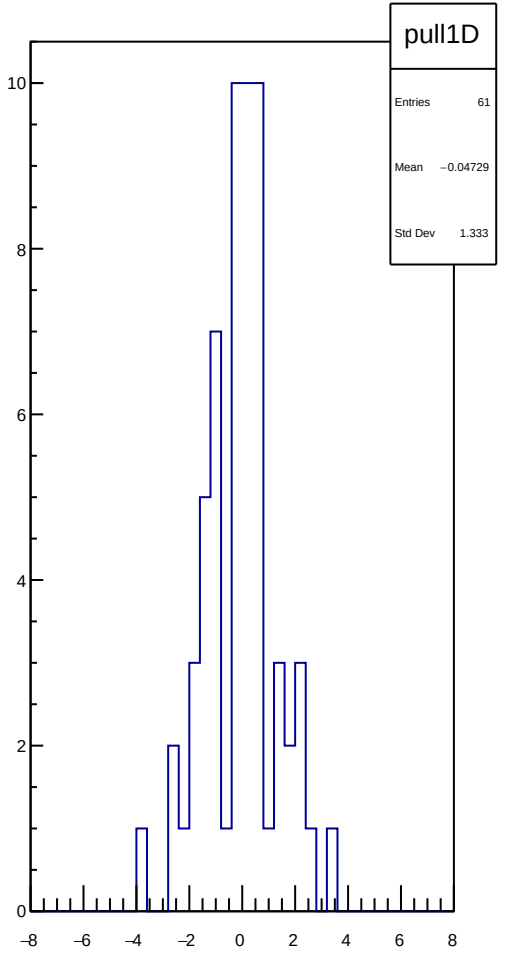

diff_bpm0i02aY_rms vs run
χ² / ndf 1.095e+04 / 60
p0 1679 ± 1.545
2200
2000
1800
1600
1400

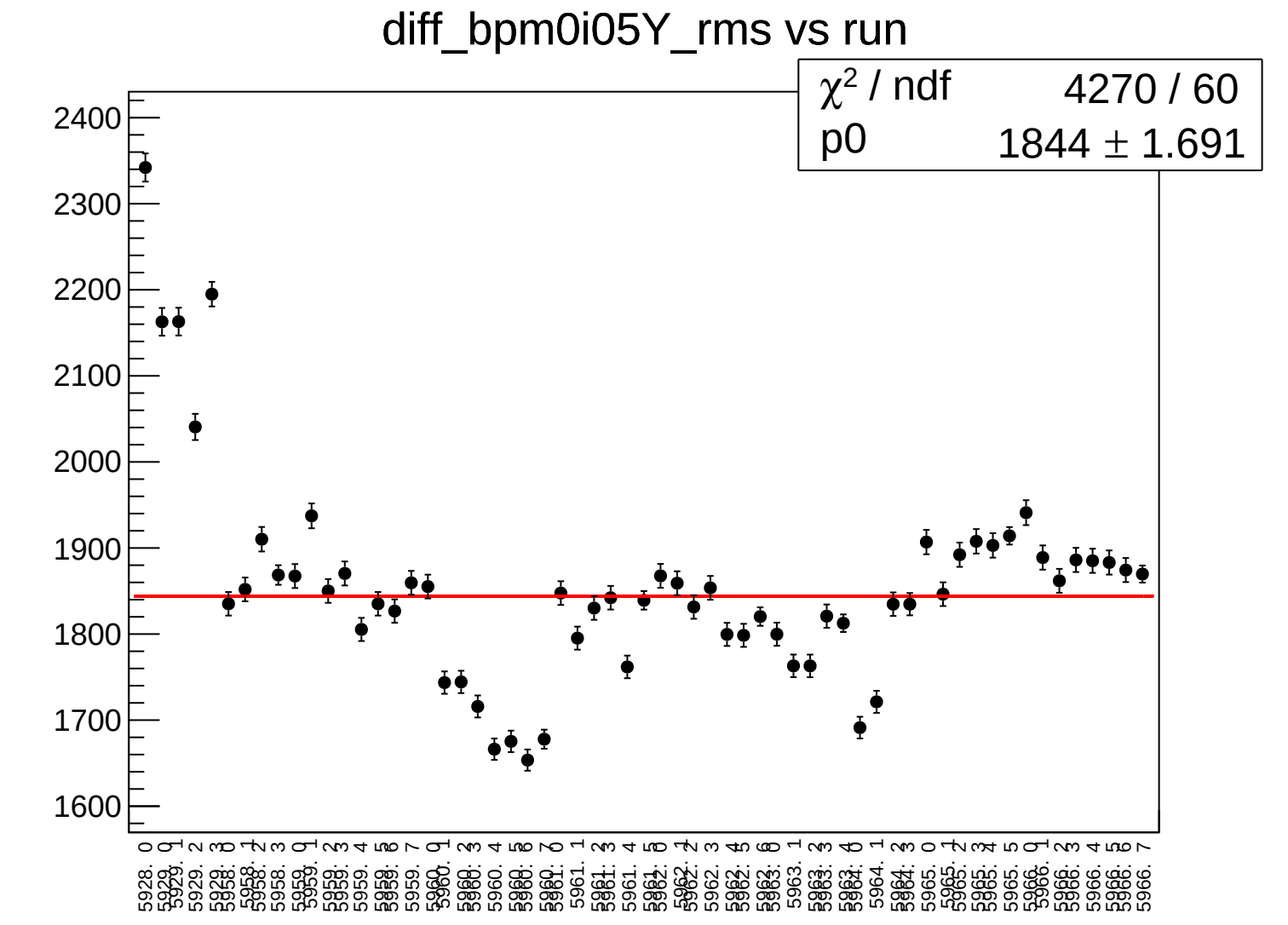

diff_bpm0i05X_mean vs run
χ² / ndf 121.2 / 60
p0 11.08 ± 2.356
pull
Entries 61
Mean −153.7
Std Dev 0

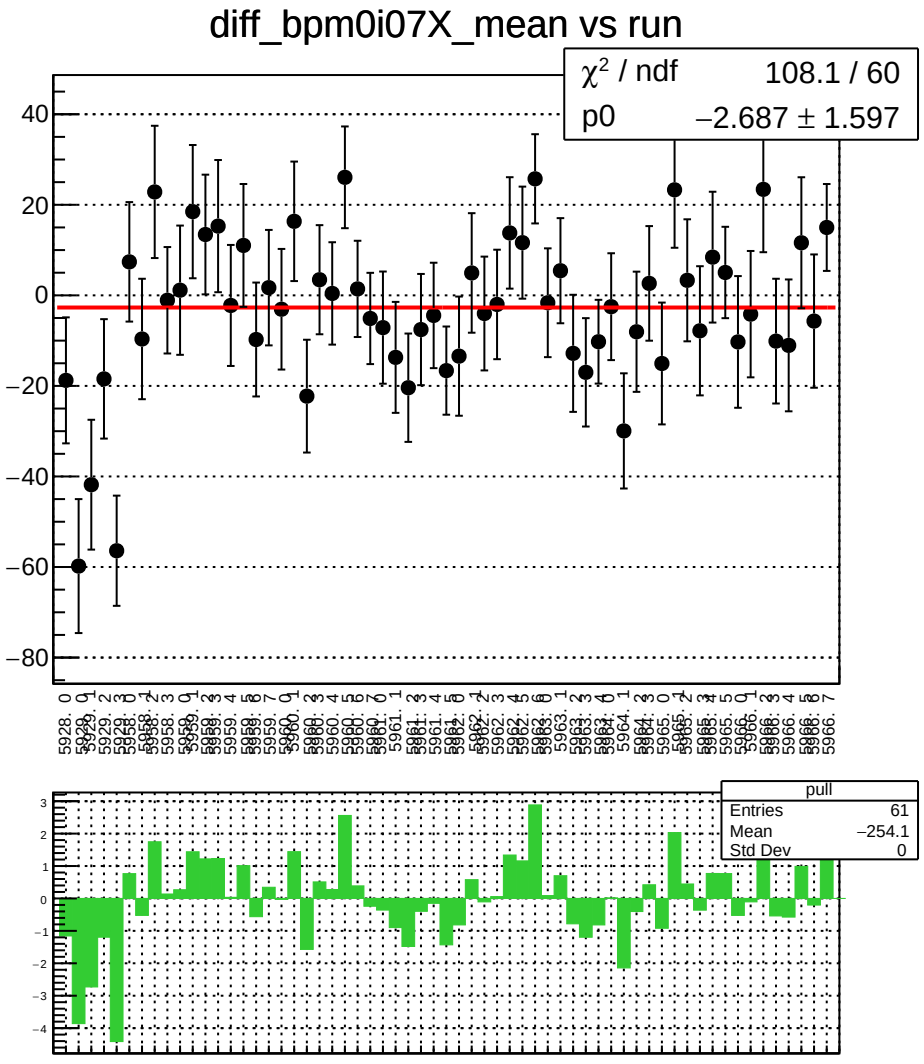

pull1D
Entries 61
Mean −0.04895
Std Dev 1.409

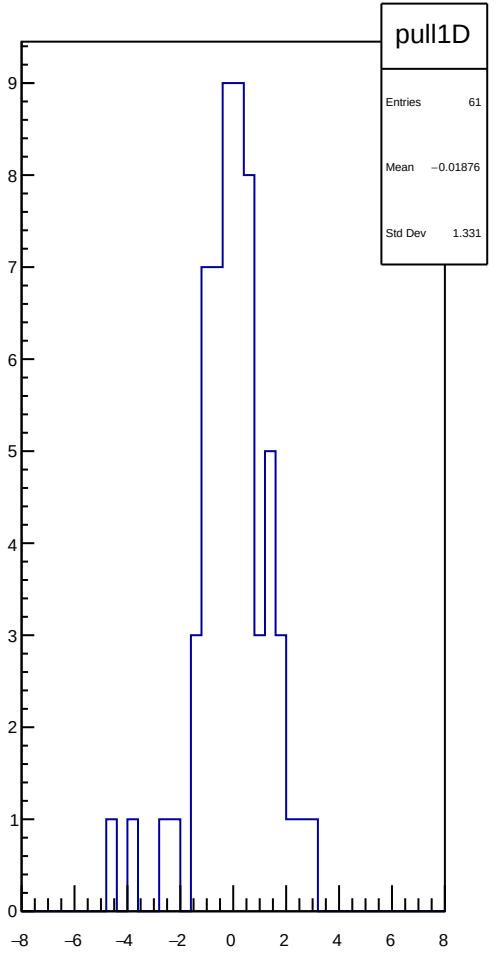

diff_bpm0i05X_rms vs run
χ² / ndf 6068 / 60
p0 1815 ± 1.666
2300
2200
2100
2000
1900
1800
1700
1600
1500

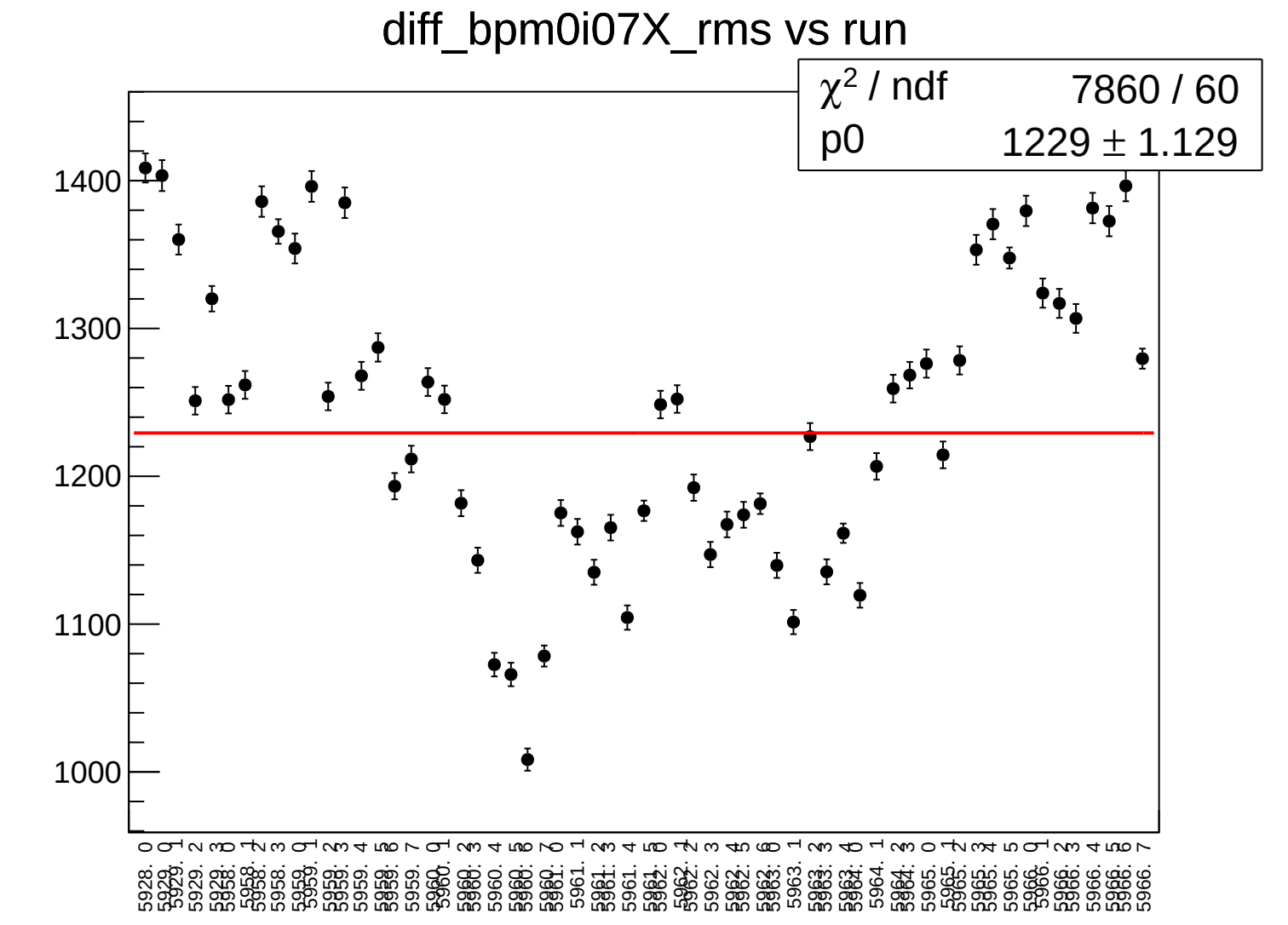

diff_bpm0i05Y_mean vs run
χ² / ndf 108.6 / 60
p0 26.62 ± 2.392
pull
Entries 61
Mean −160.5
Std Dev 0

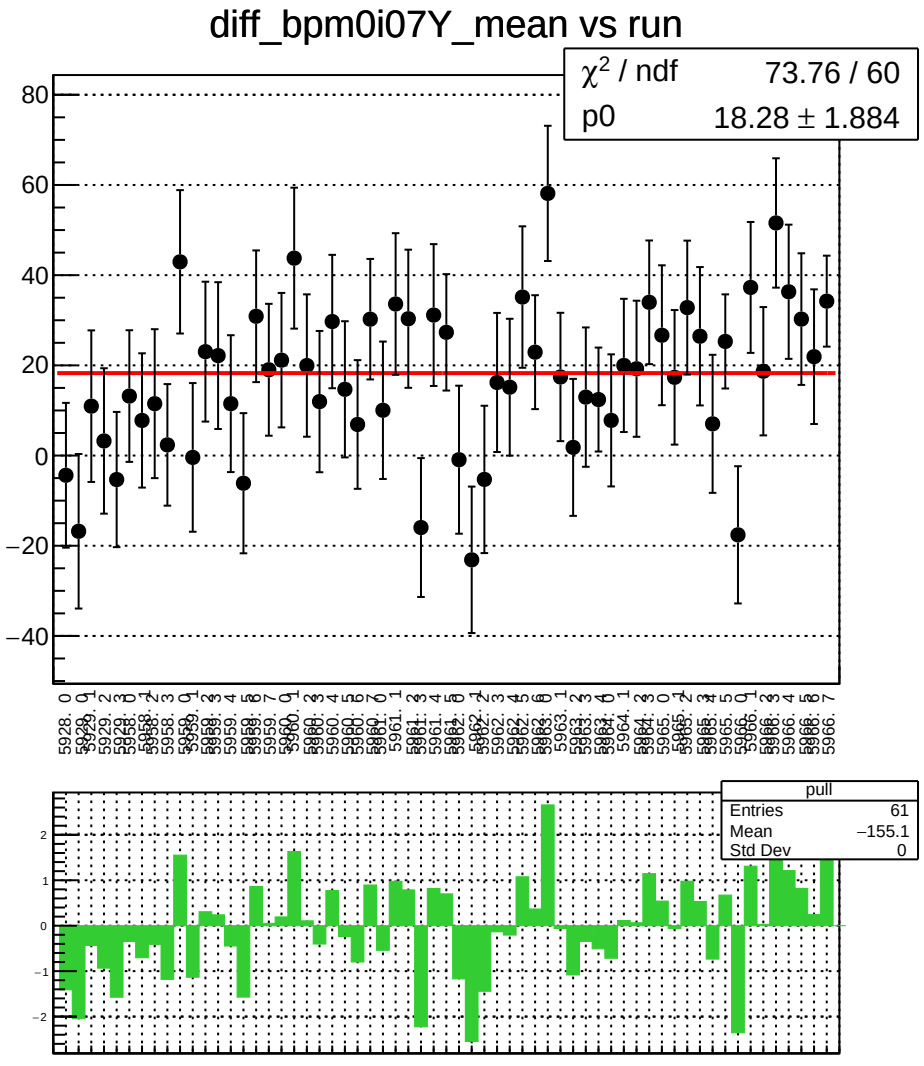

pull1D
Entries 61
Mean −0.04729
Std Dev 1.333

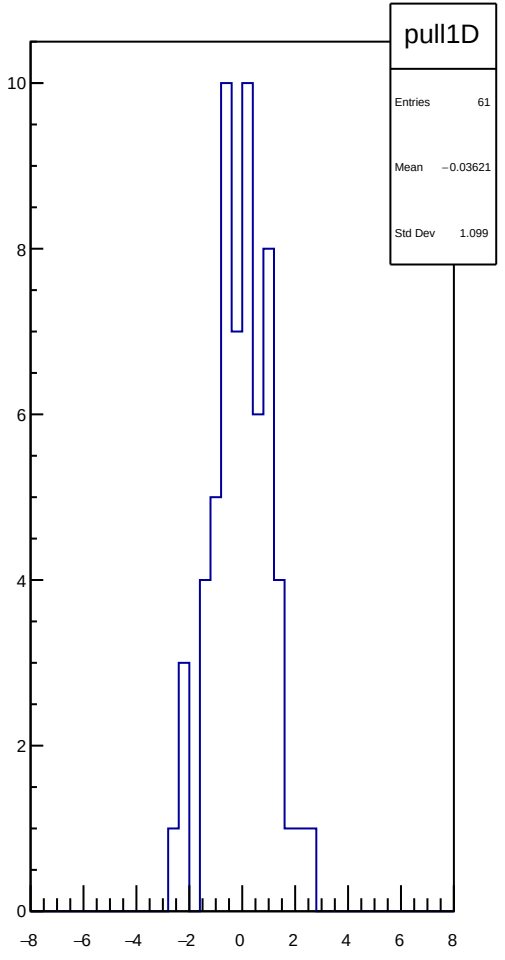

diff_bpm0i05Y_rms vs run
χ² / ndf 4270 / 60
p0 1844 ± 1.691
2400
2300
2200
2100
2000
1900
1800
1700
1600

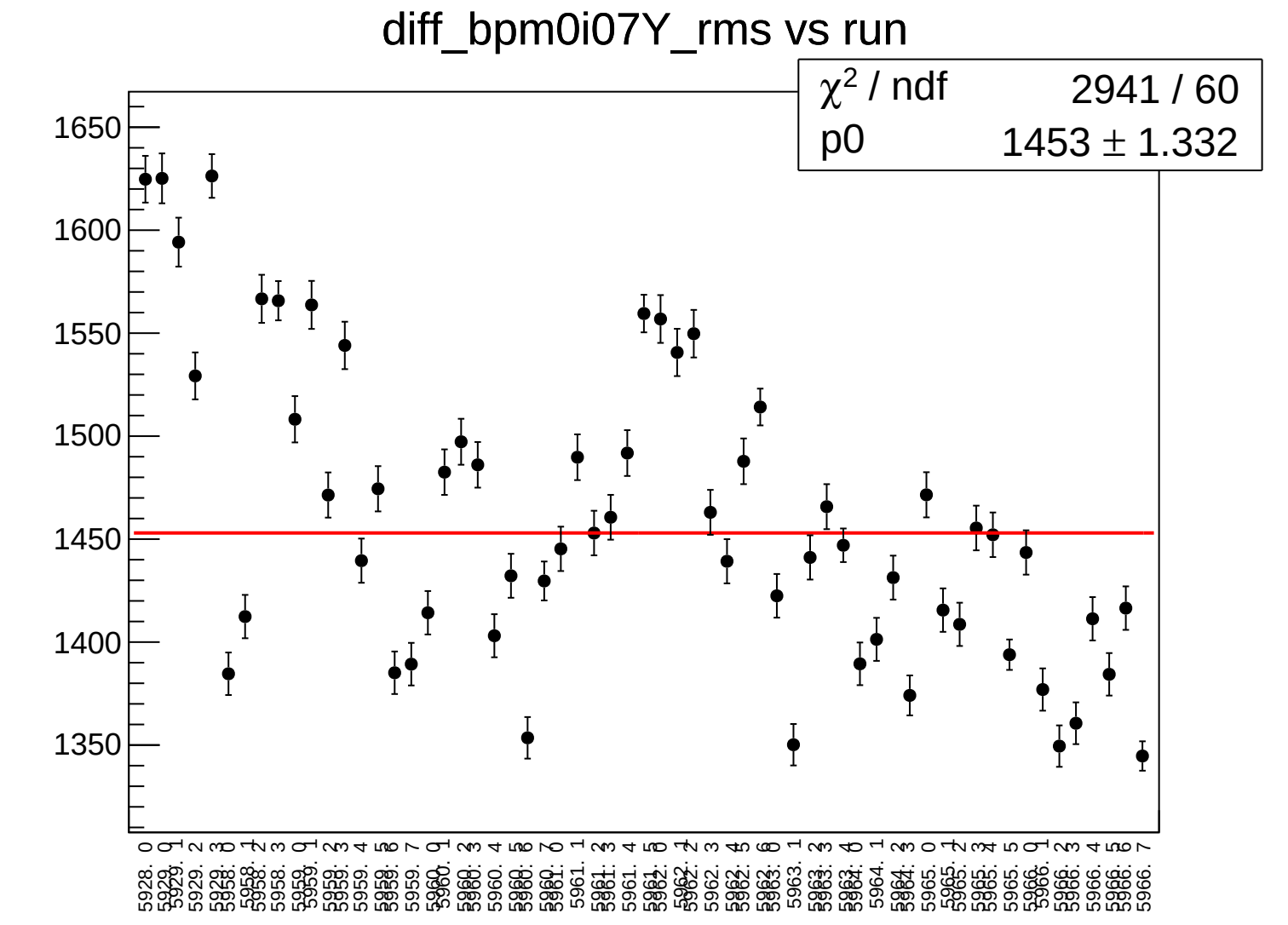

diff_bpm0i07X_mean vs run
χ² / ndf 108.1 / 60
p0 −2.687 ± 1.597
pull
Entries 61
Mean −254.1
Std Dev 0

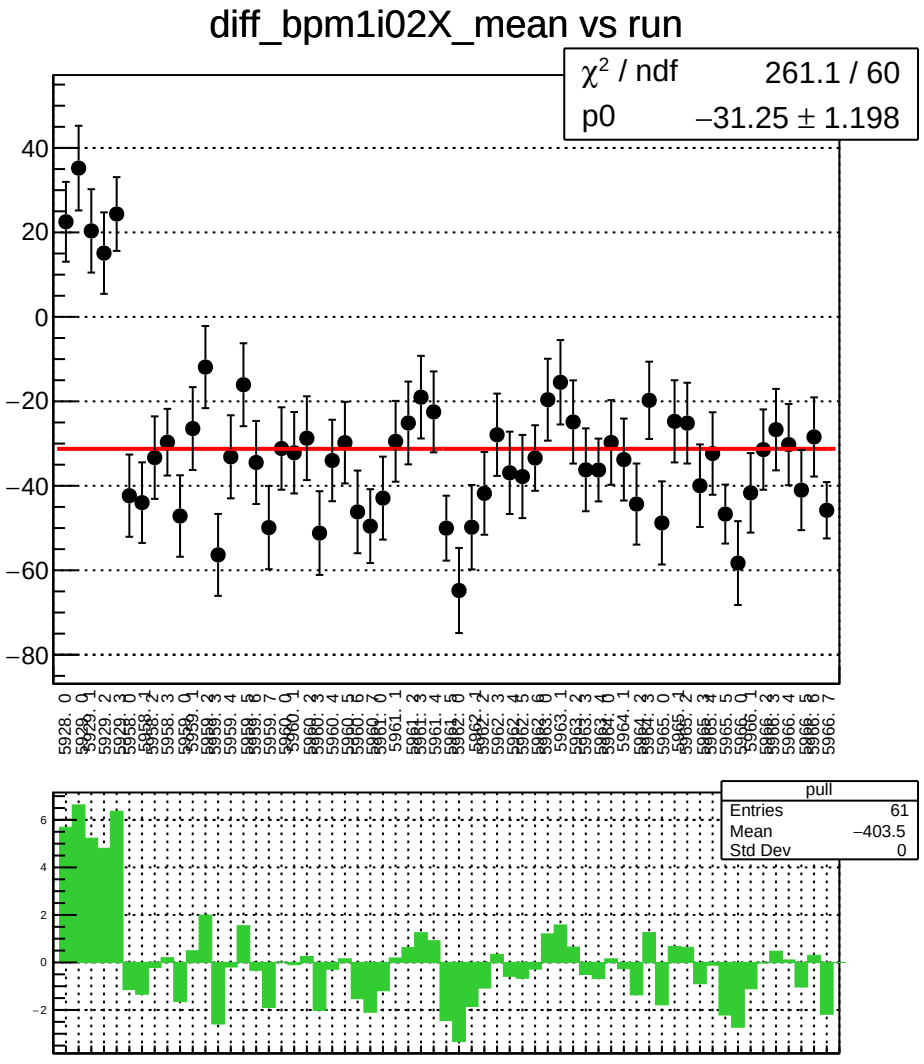

pull1D
Entries 61
Mean −0.01876
Std Dev 1.331

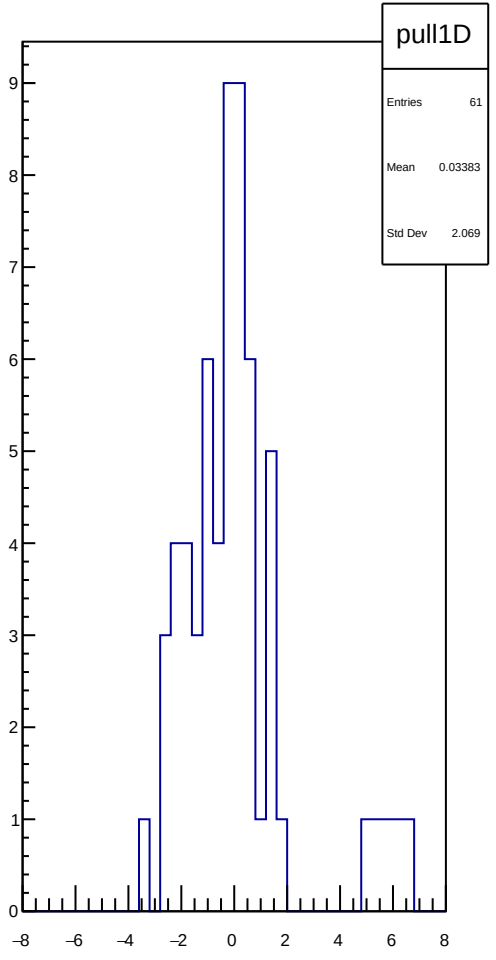

diff_bpm0i07X_rms vs run
χ² / ndf 7860 / 60
p0 1229 ± 1.129
1400
1300
1200
1100
1000

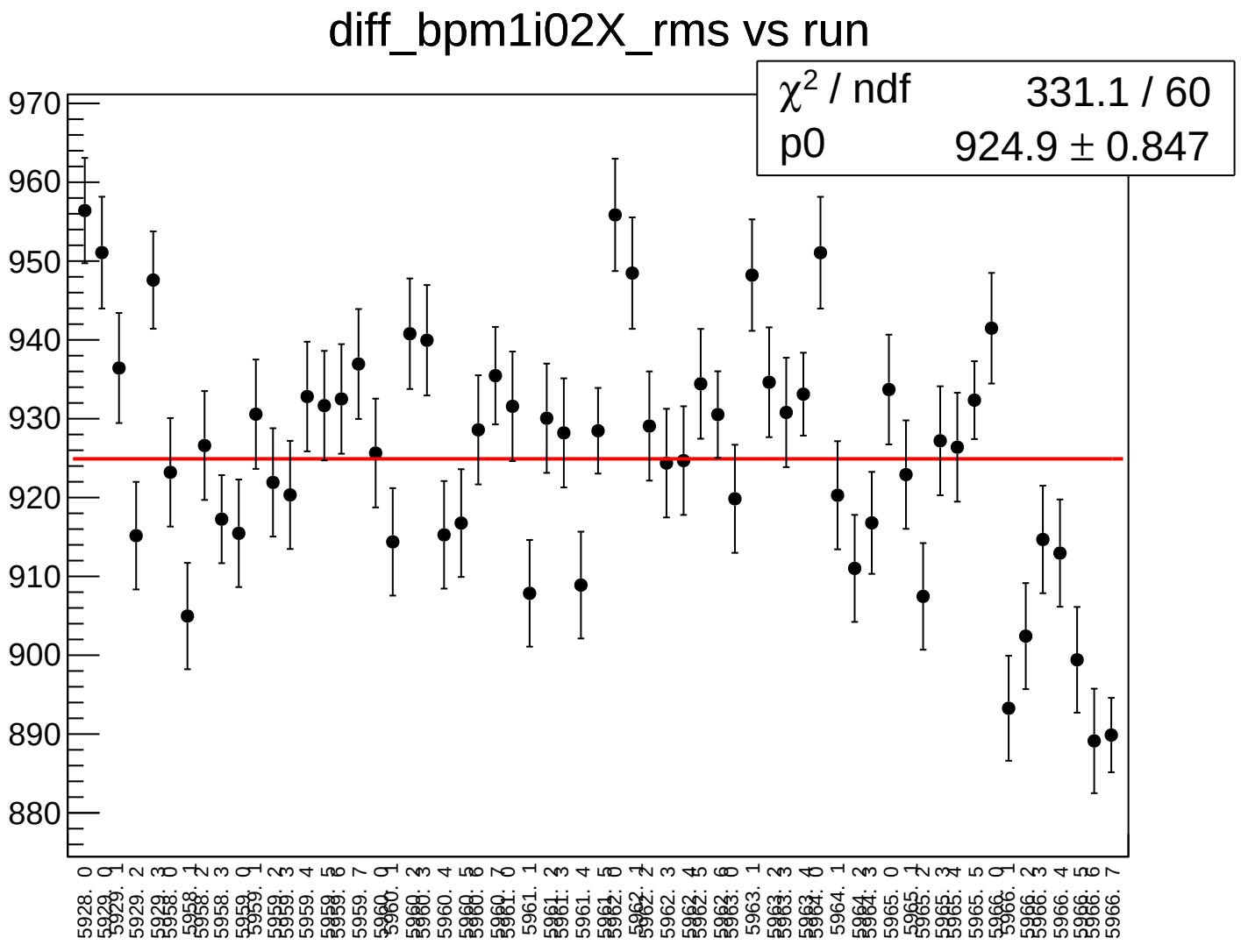

diff_bpm0i07Y_mean vs run
χ² / ndf 73.76 / 60
p0 18.28 ± 1.884
pull
Entries 61
Mean −155.1
Std Dev 0

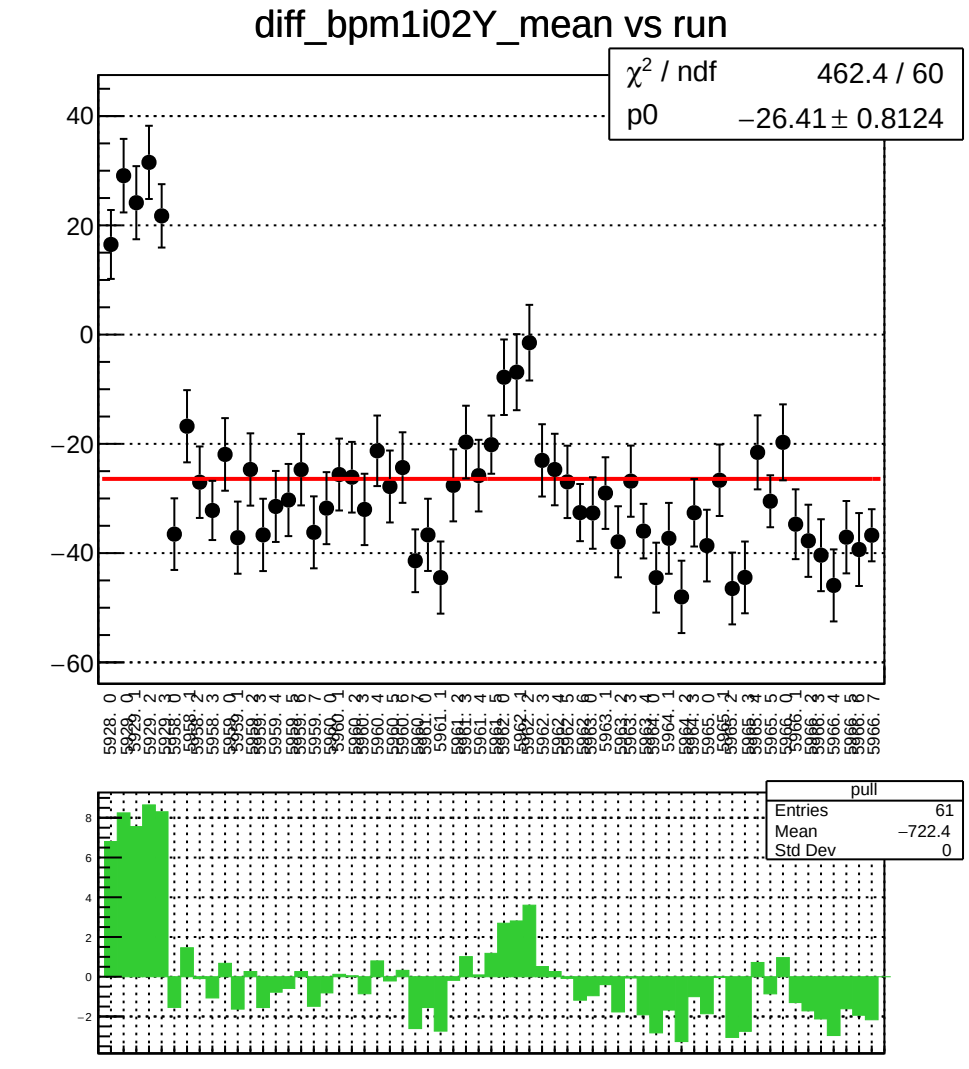

pull1D
Entries 61
Mean −0.03621
Std Dev 1.099

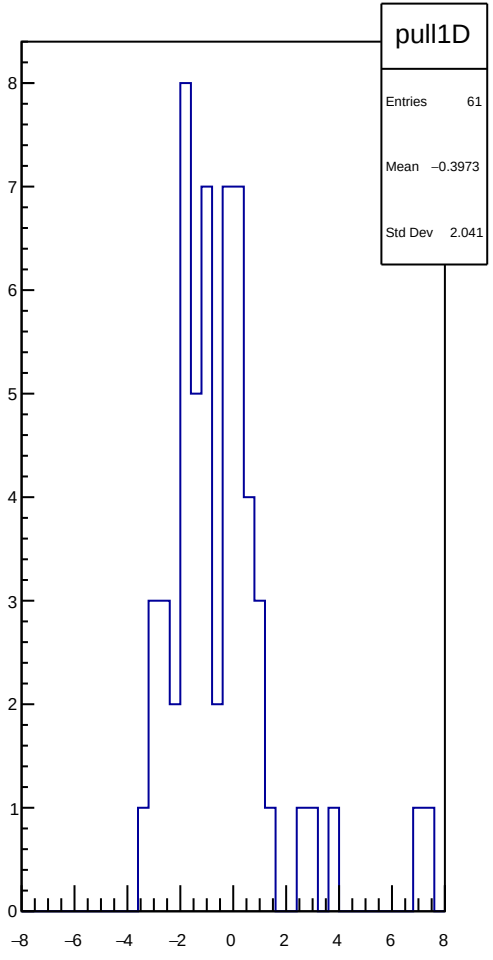

diff_bpm0i07Y_rms vs run
χ² / ndf 2941 / 60
p0 1453 ± 1.332
1650
1600
1550
1500
1450
1400
1350

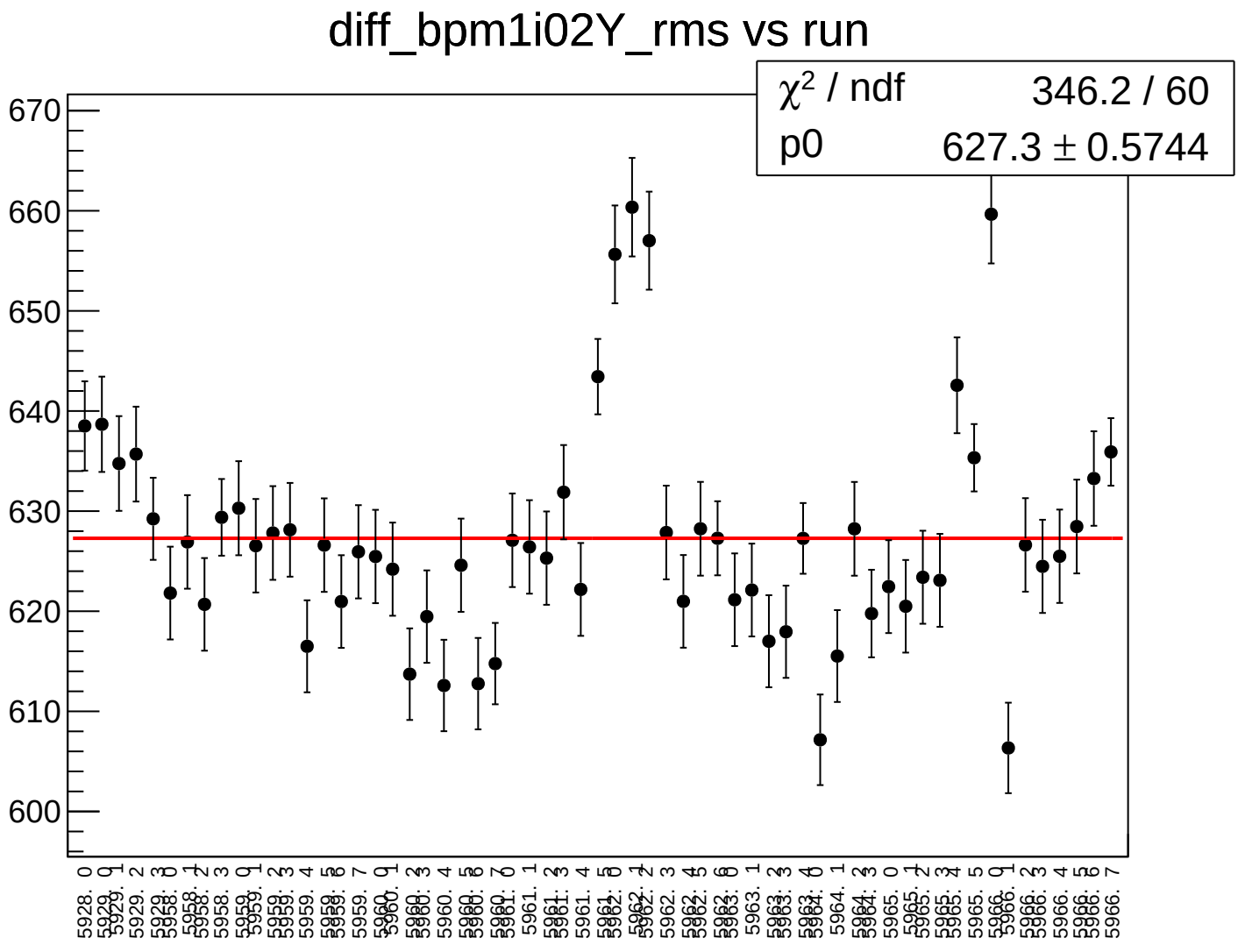

diff_bpm1i02X_mean vs run
χ² / ndf 261.1 / 60
p0 −31.25 ± 1.198
pull
Entries 61
Mean −403.5
Std Dev 0

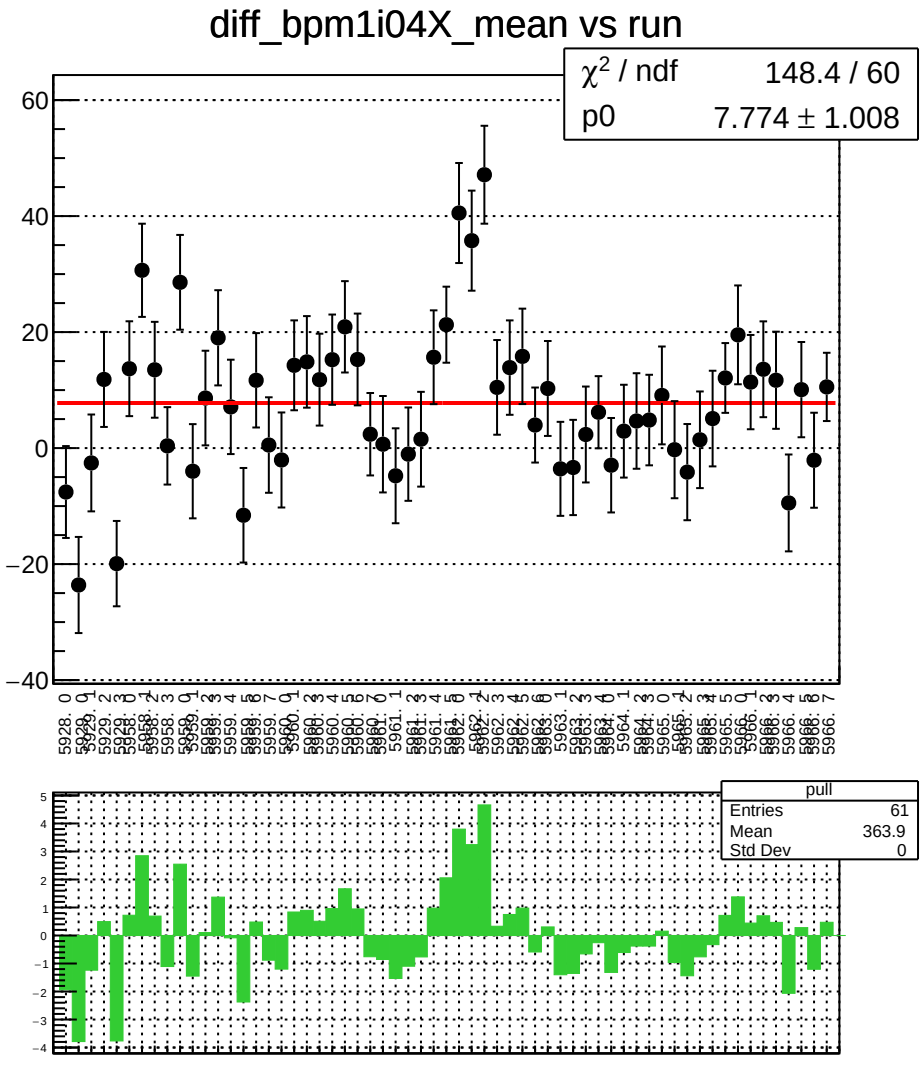

pull1D
Entries 61
Mean 0.03383
Std Dev 2.069

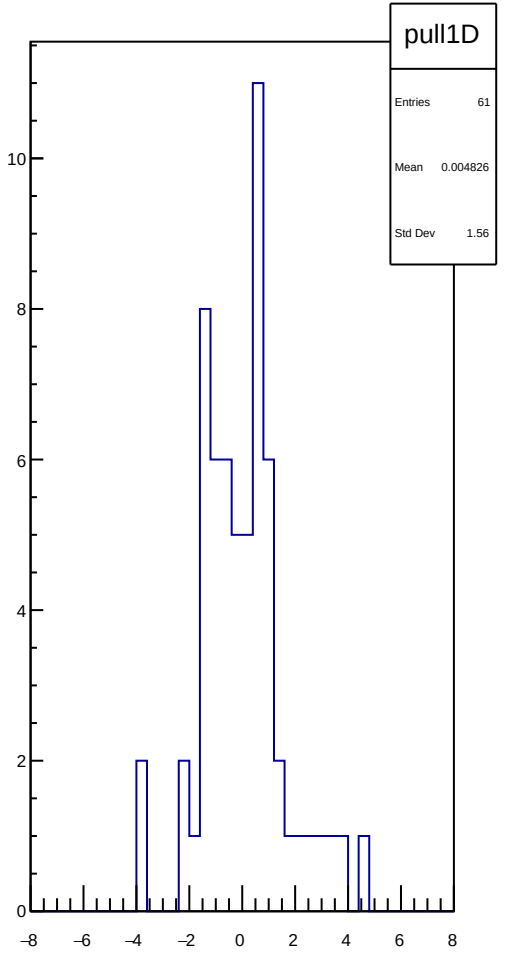

diff_bpm1i02X_rms vs run
χ² / ndf 331.1 / 60
p0 924.9 ± 0.847
970
960
950
940
930
920
910
900
890
880

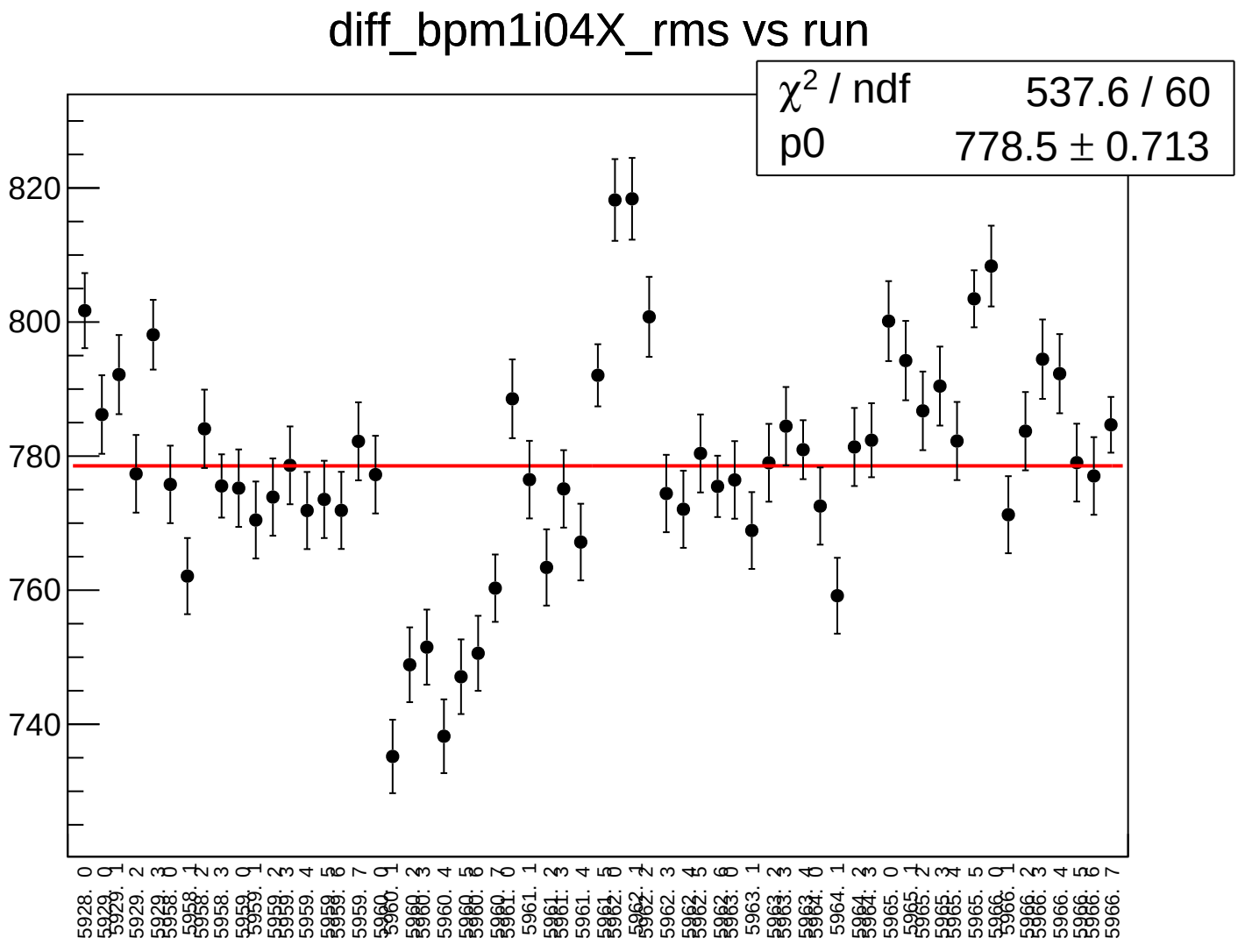

diff_bpm1i02Y_mean vs run
χ² / ndf 462.4 / 60
p0 −26.41 ± 0.8124
pull
Entries 61
Mean −722.4
Std Dev 0

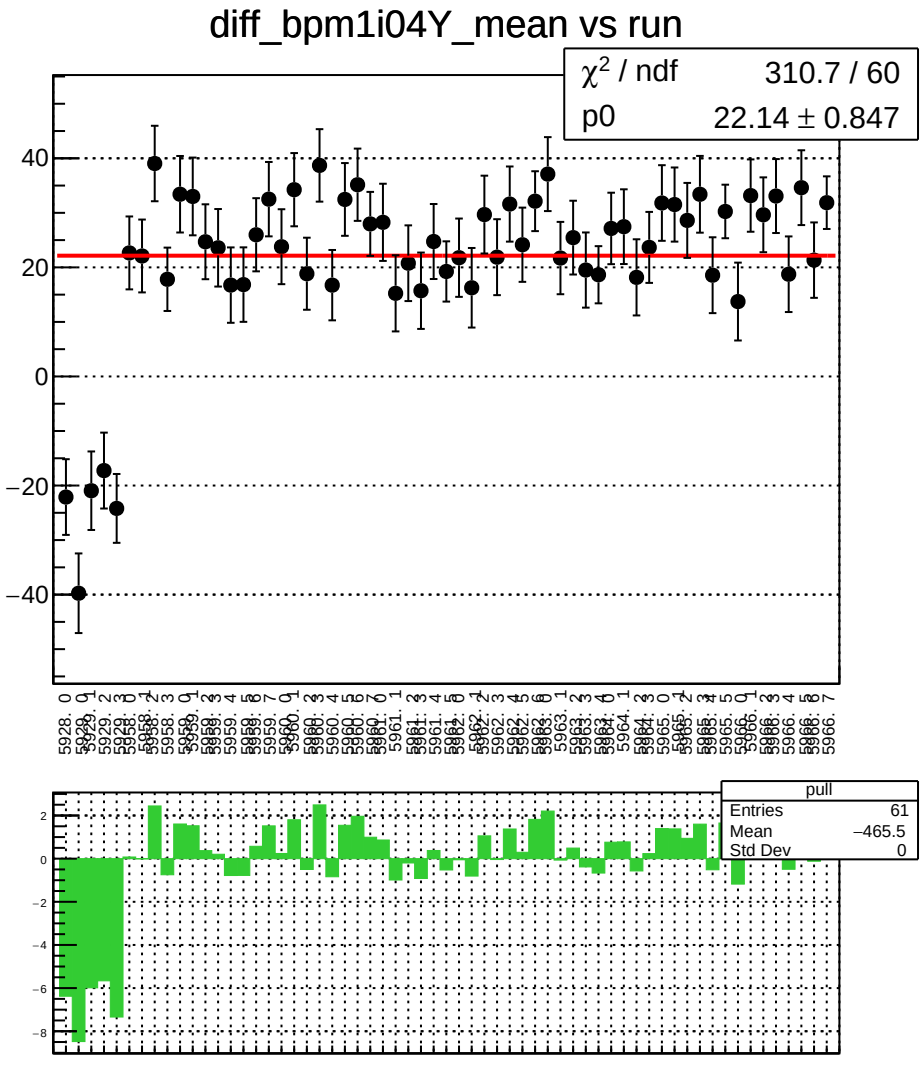

pull1D
Entries 61
Mean −0.3973
Std Dev 2.041

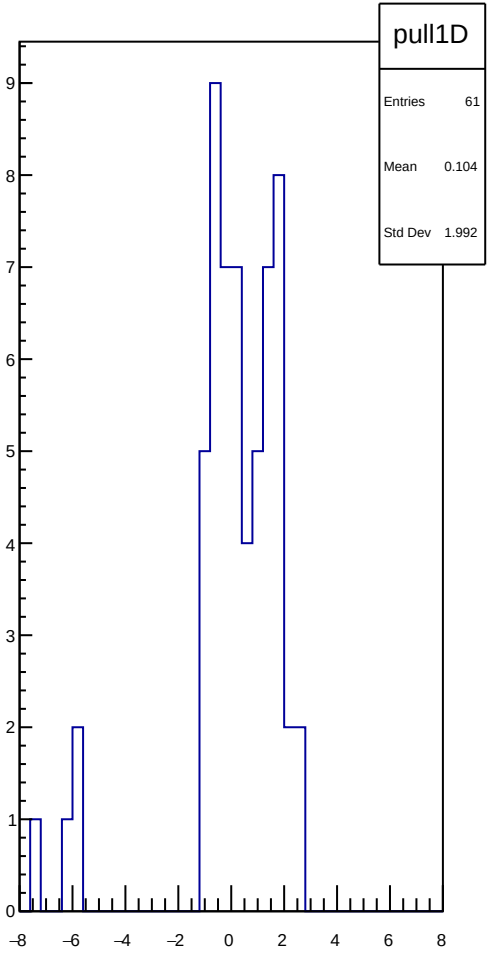

diff_bpm1i02Y_rms vs run
χ² / ndf 346.2 / 60
p0 627.3 ± 0.5744
670
660
650
640
630
620
610
600

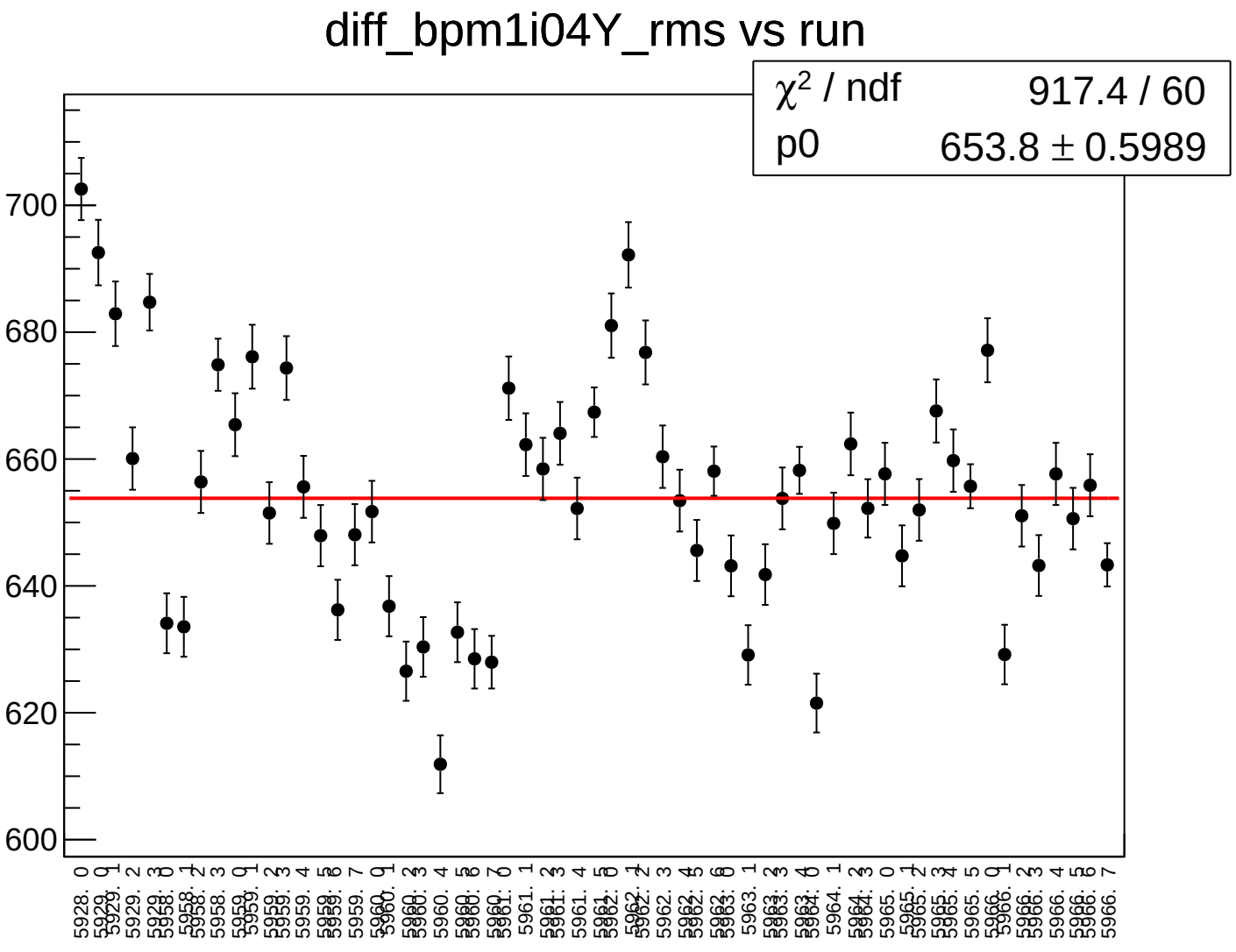

diff_bpm1i04X_mean vs run
χ^2 / ndf 148.4 / 60
p0 7.774 ± 1.008
pull
Entries 61
Mean 363.9
Std Dev 0

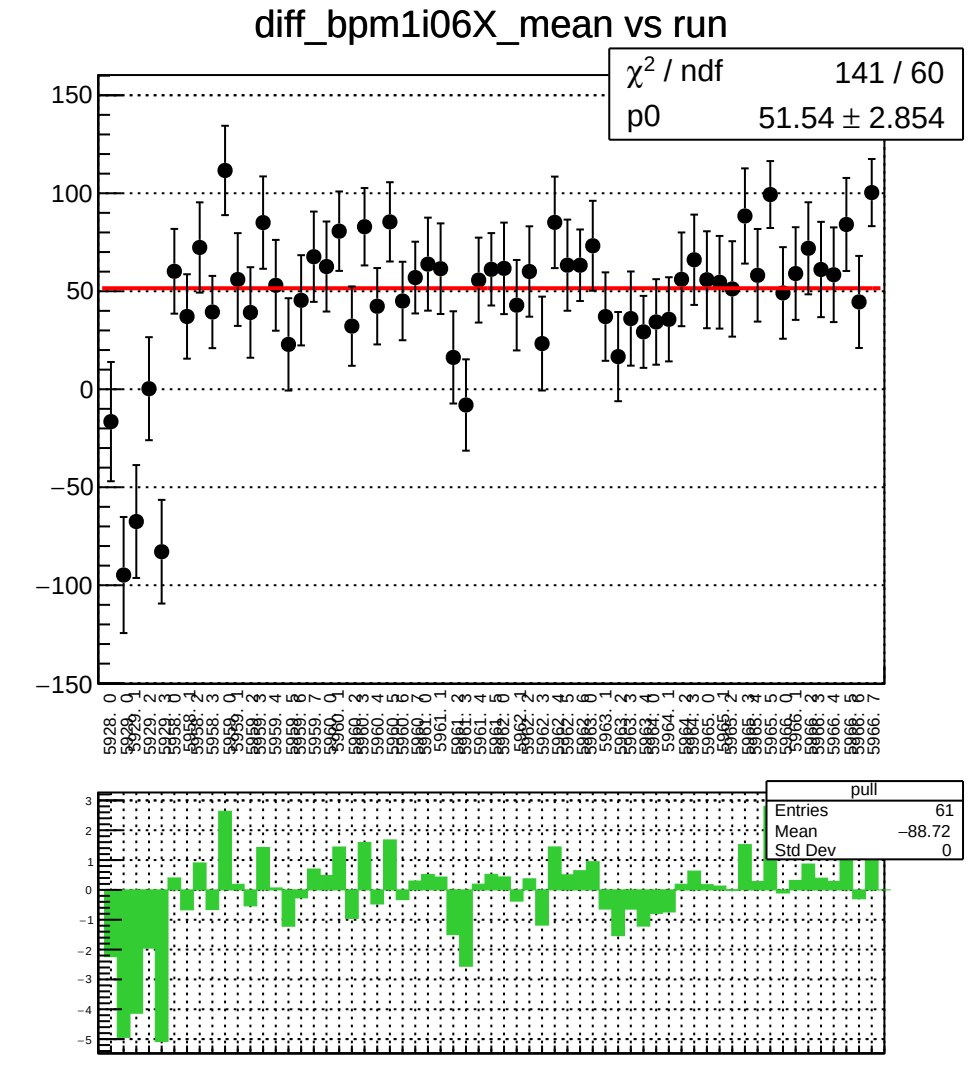

pull1D
Entries 61
Mean 0.004826
Std Dev 1.56

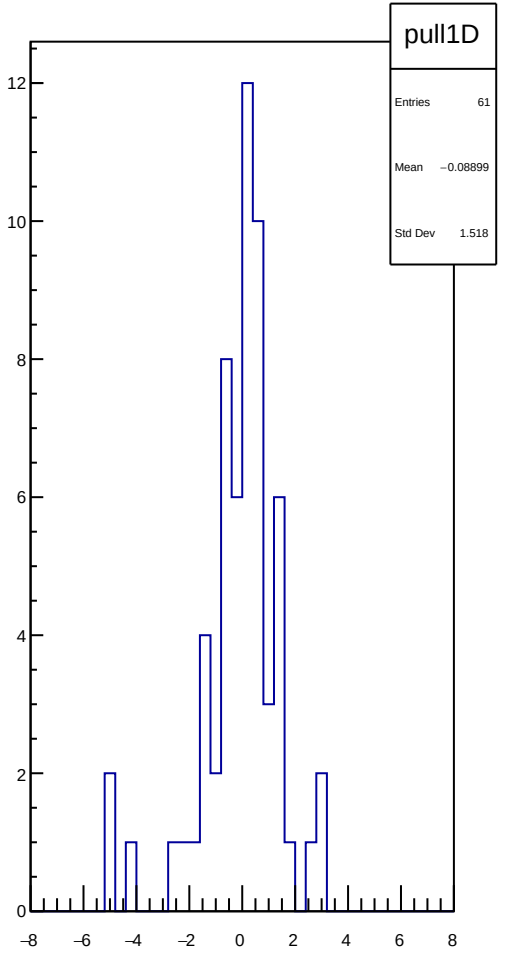

diff_bpm1i04X_rms vs run
χ² / ndf 537.6 / 60
p0 778.5 ± 0.713
820
800
780
760
740

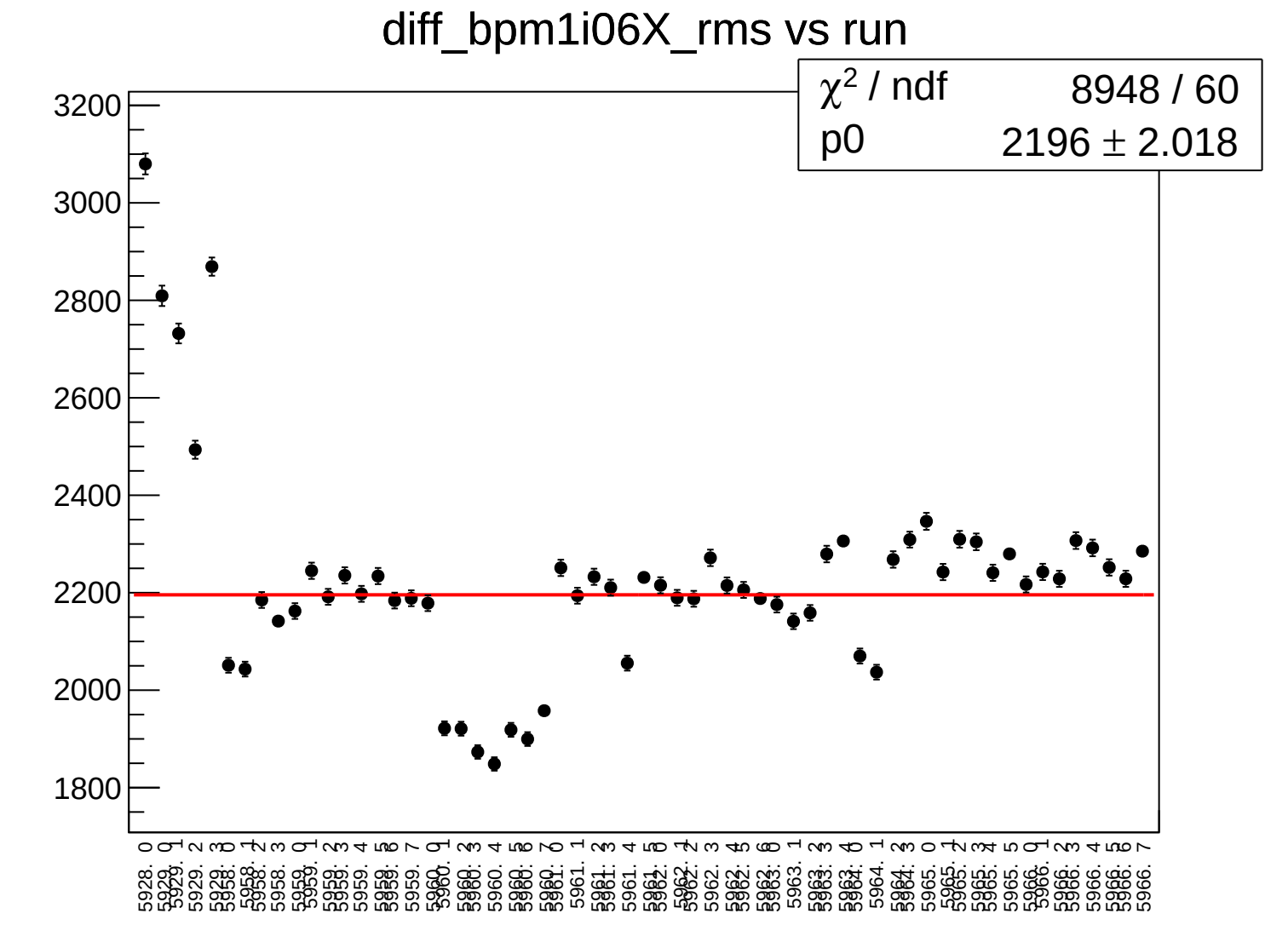

diff_bpm1i04Y_mean vs run
χ² / ndf 310.7 / 60
p0 22.14 ± 0.847
pull
Entries 61
Mean −465.5
Std Dev 0

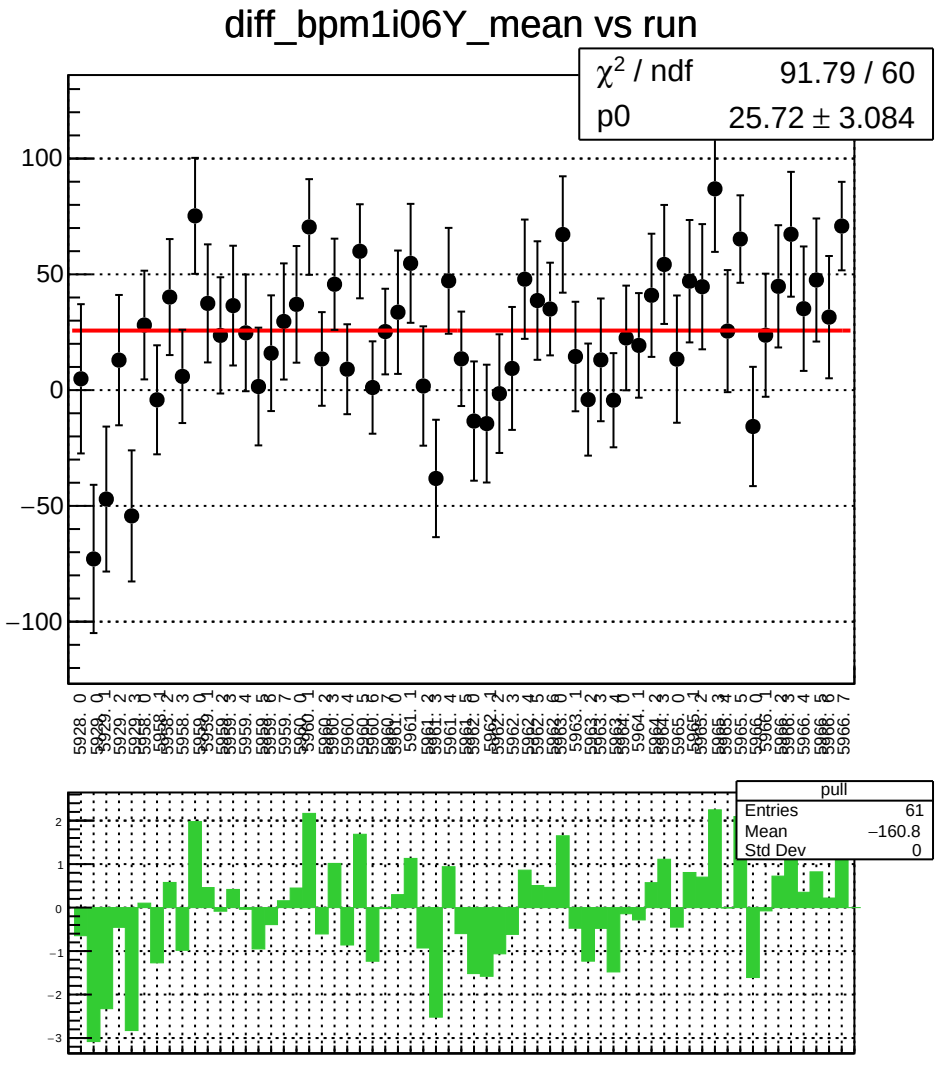

pull1D
Entries 61
Mean 0.104
Std Dev 1.992

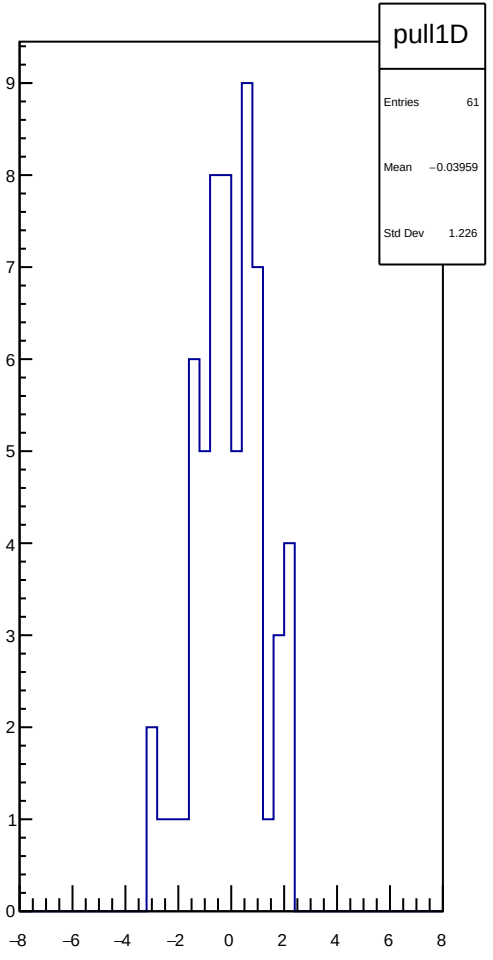

diff_bpm1i04Y_rms vs run
χ² / ndf 917.4 / 60
p0 653.8 ± 0.5989
700
680
660
640
620
600

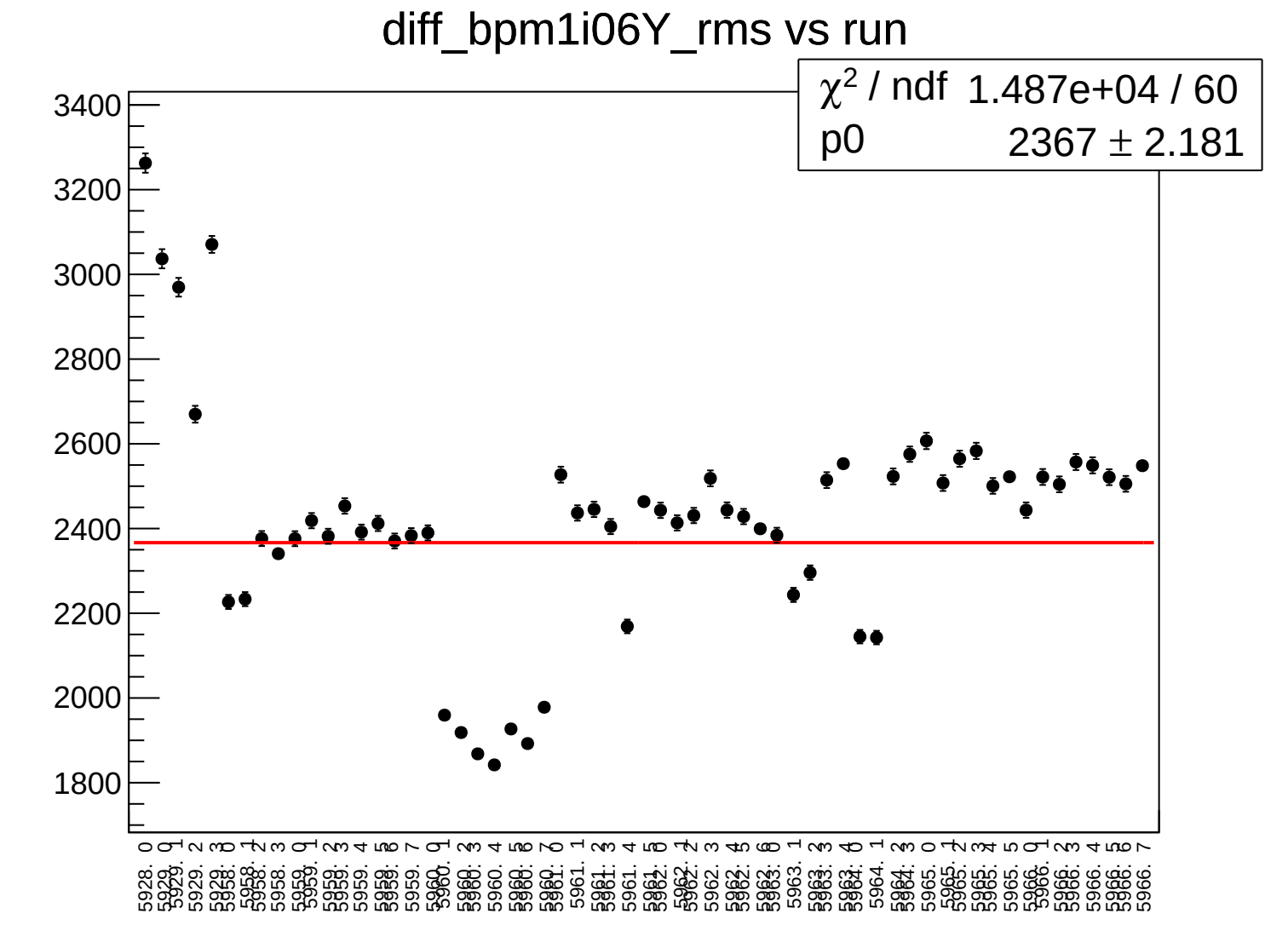

diff_bpm1i06X_mean vs run
χ² / ndf 141 / 60
p0 51.54 ± 2.854
pull
Entries 61
Mean −88.72
Std Dev 0

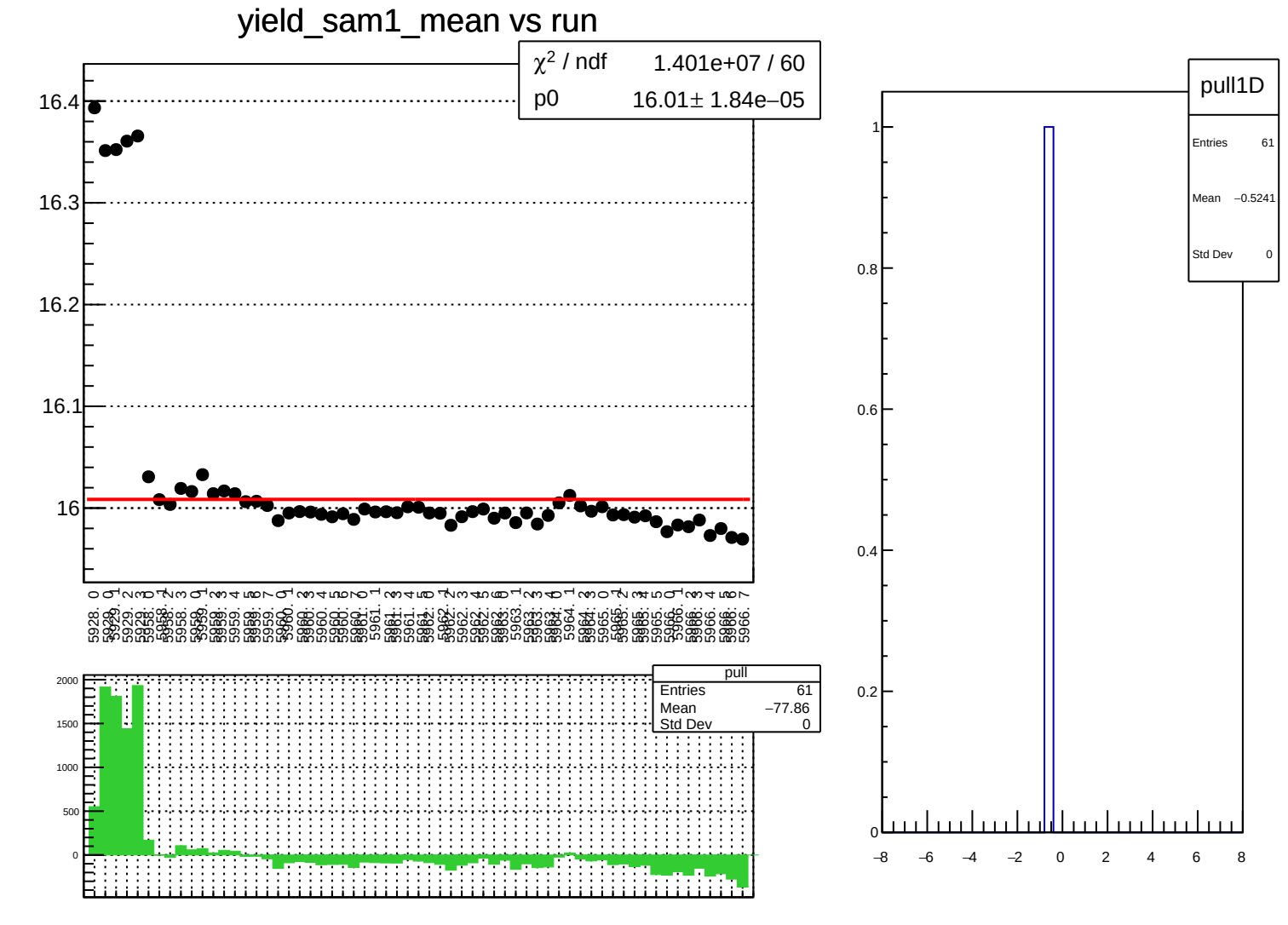

pull1D
Entries 61
Mean −0.08899
Std Dev 1.518

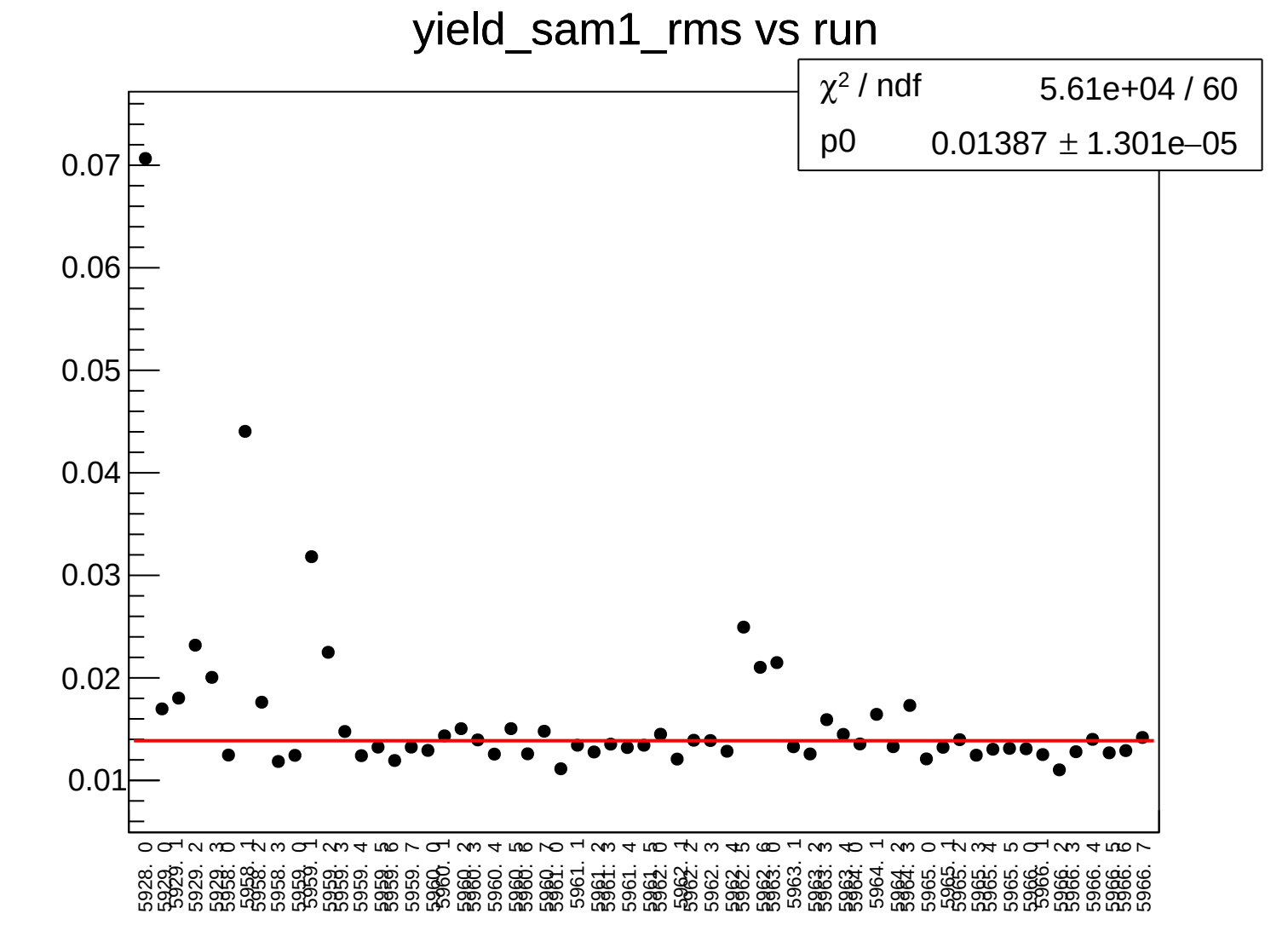

diff_bpm1i06X_rms vs run
χ² / ndf 8948 / 60
p0 2196 ± 2.018
3200
3000
2800
2600
2400
2200
2000
1800

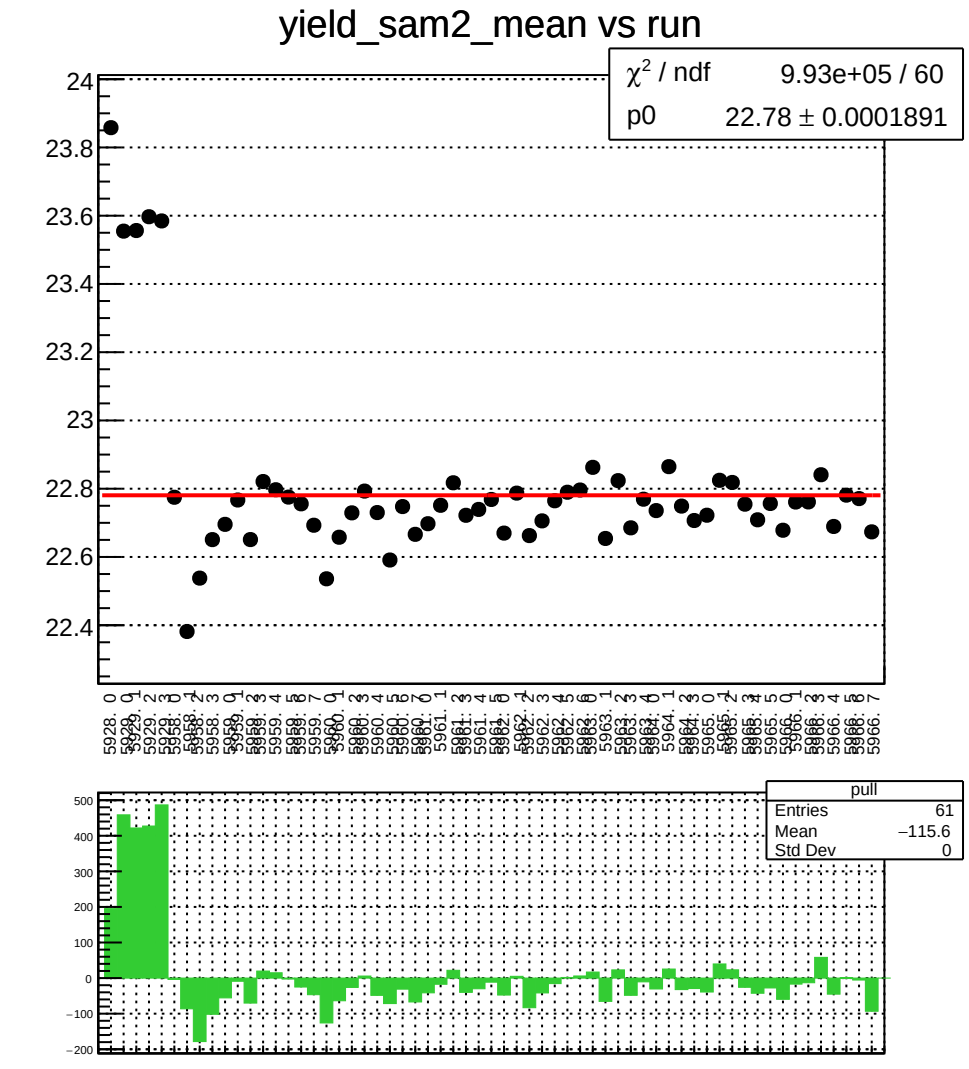

diff_bpm1i06Y_mean vs run
χ² / ndf 91.79 / 60
p0 25.72 ± 3.084
pull
Entries 61
Mean −160.8
Std Dev 0

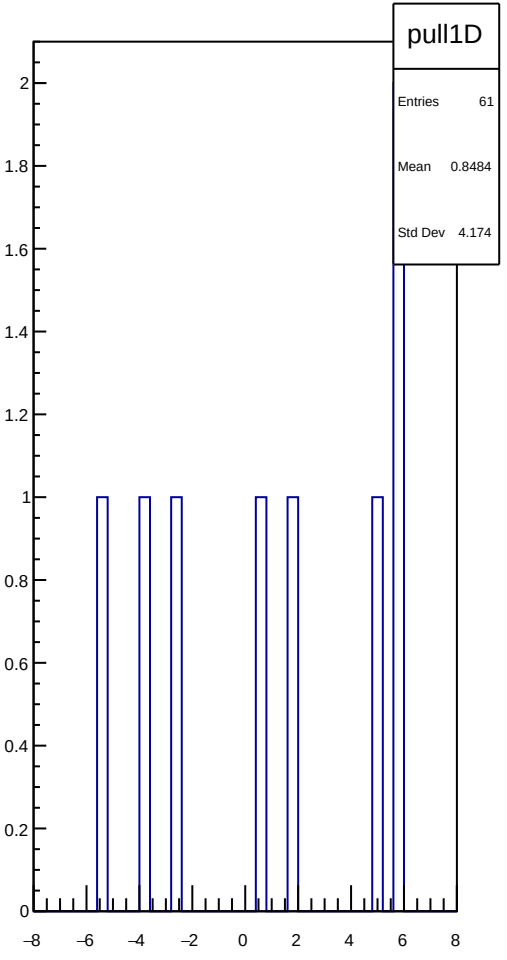

pull1D
Entries 61
Mean −0.03959
Std Dev 1.226

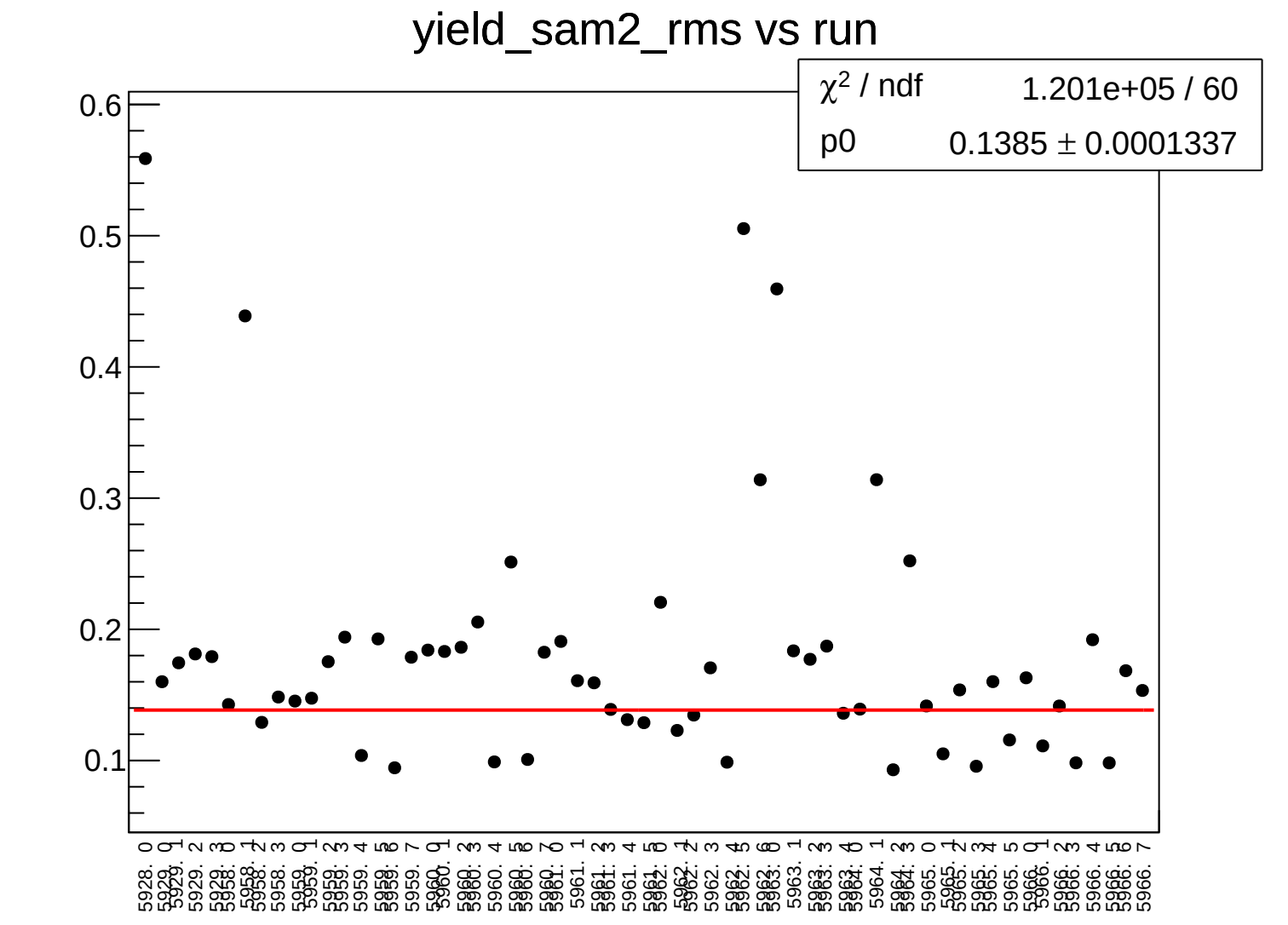

diff_bpm1i06Y_rms vs run
χ² / ndf 1.487e+04 / 60
p0 2367 ± 2.181
3400
3200
3000
2800
2600
2400
2200
2000
1800

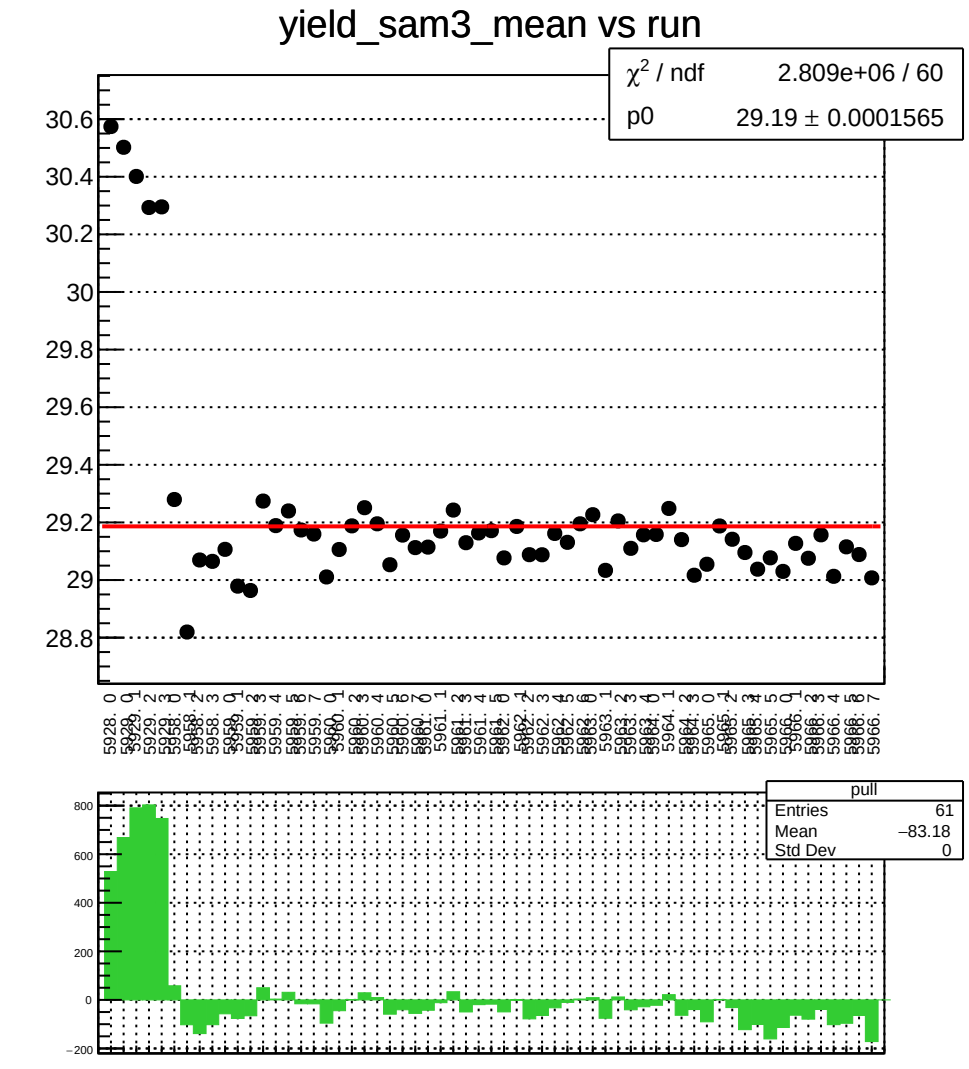

yield_sam1_mean vs run
χ² / ndf 1.401e+07 / 60
p0 16.01± 1.84e−05
16.4
16.3
16.2
16.1
16
pull
Entries 61
Mean −77.86
Std Dev 0
2000
1500
1000
500
0
pull1D
Entries 61
Mean −0.5241
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

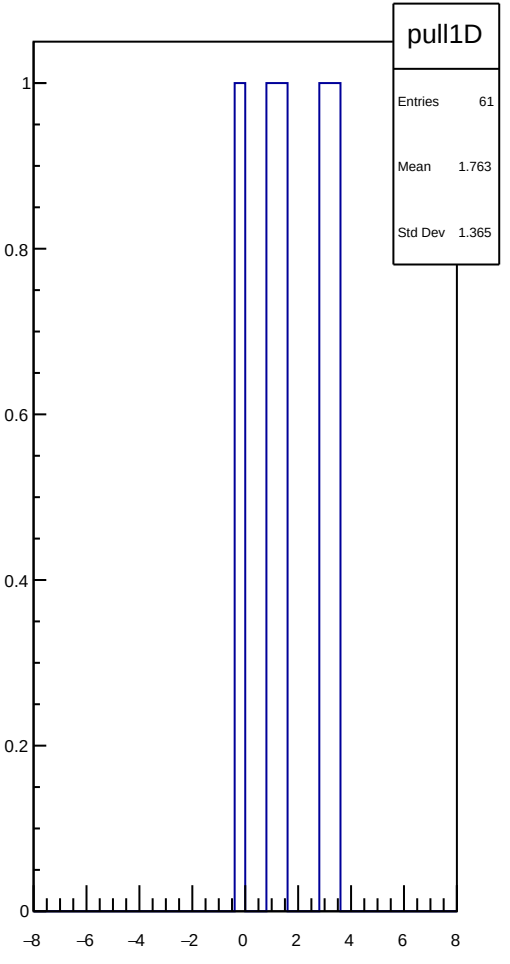

yield_sam1_rms vs run
χ² / ndf 5.61e+04 / 60
p0 0.01387 ± 1.301e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

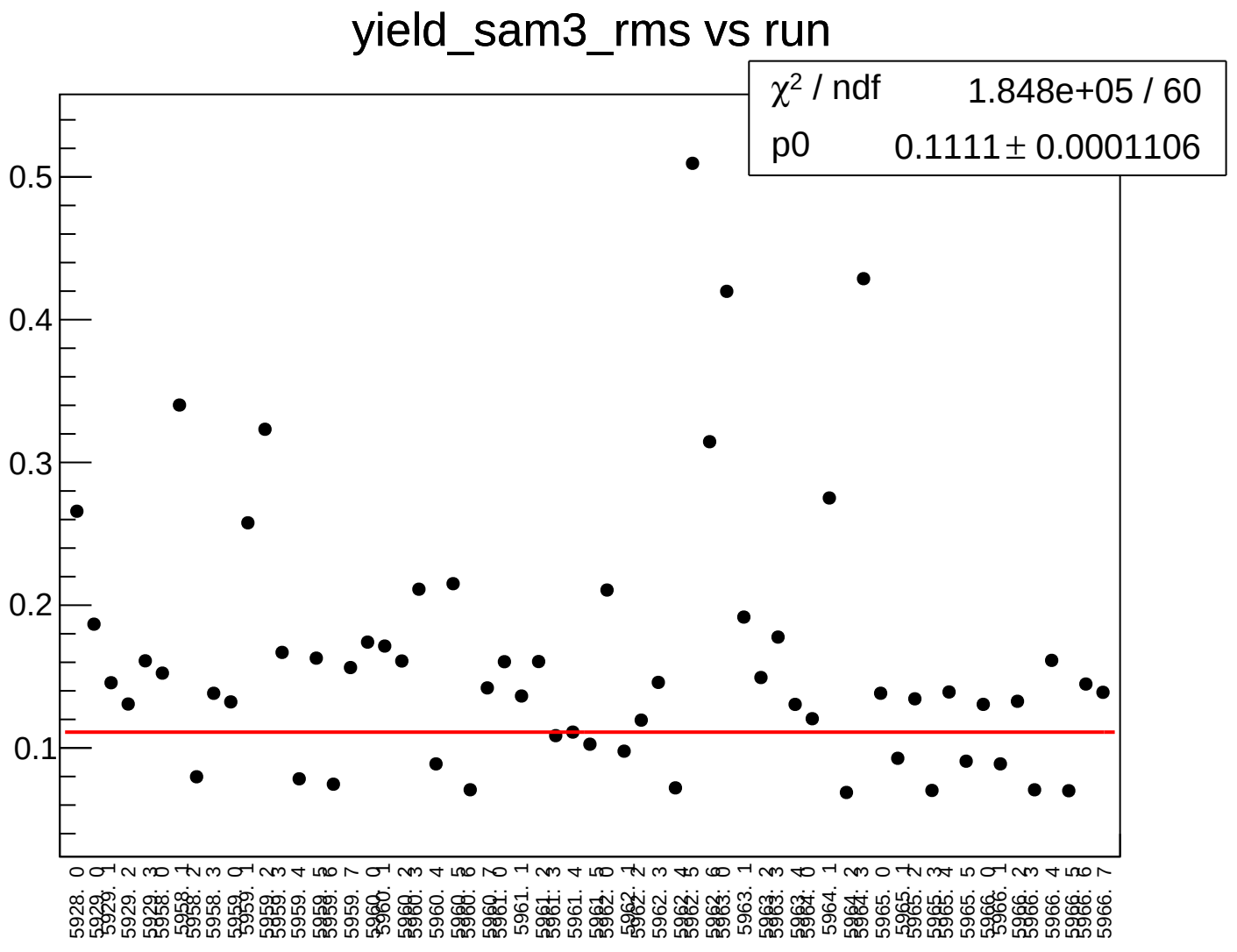

yield_sam2_mean vs run
χ² / ndf 9.93e+05 / 60
p0 22.78 ± 0.0001891
pull
Entries 61
Mean −115.6
Std Dev 0

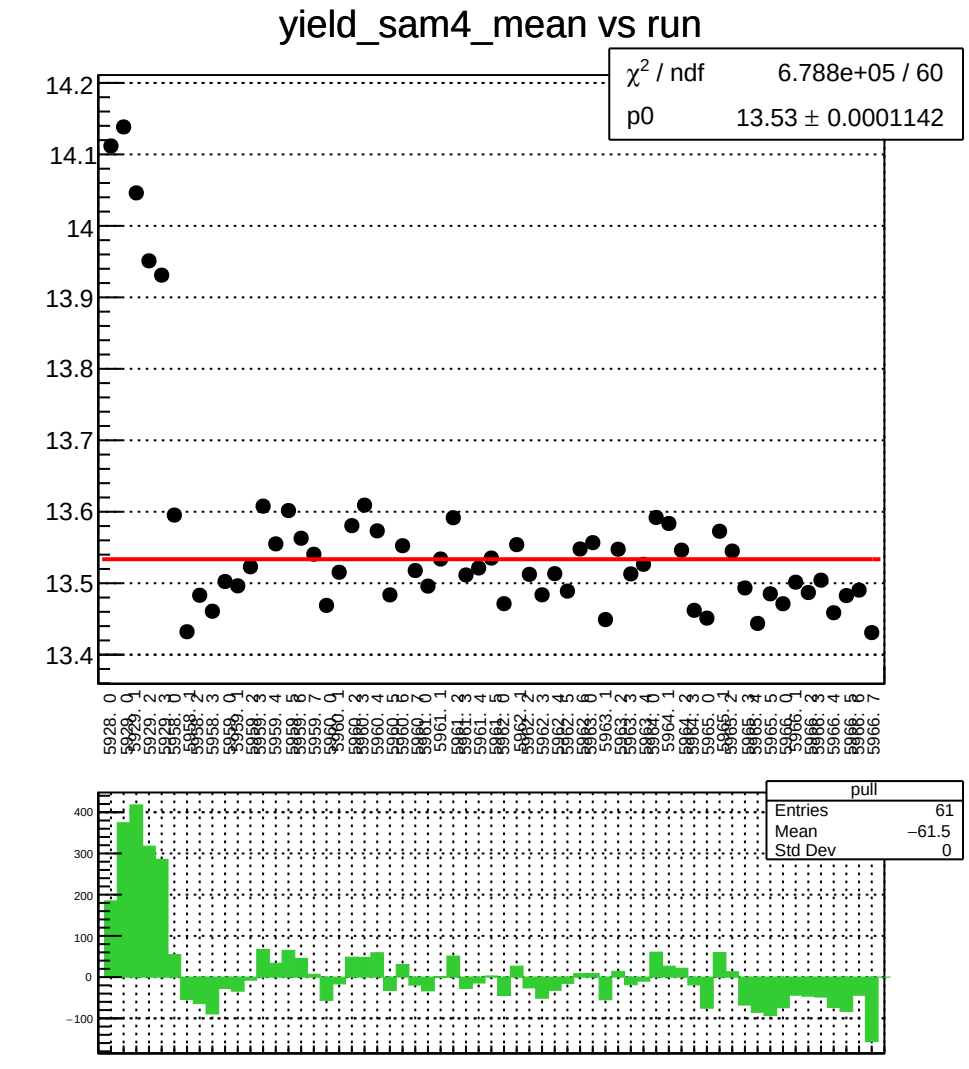

pull1D
Entries 61
Mean 0.8484
Std Dev 4.174

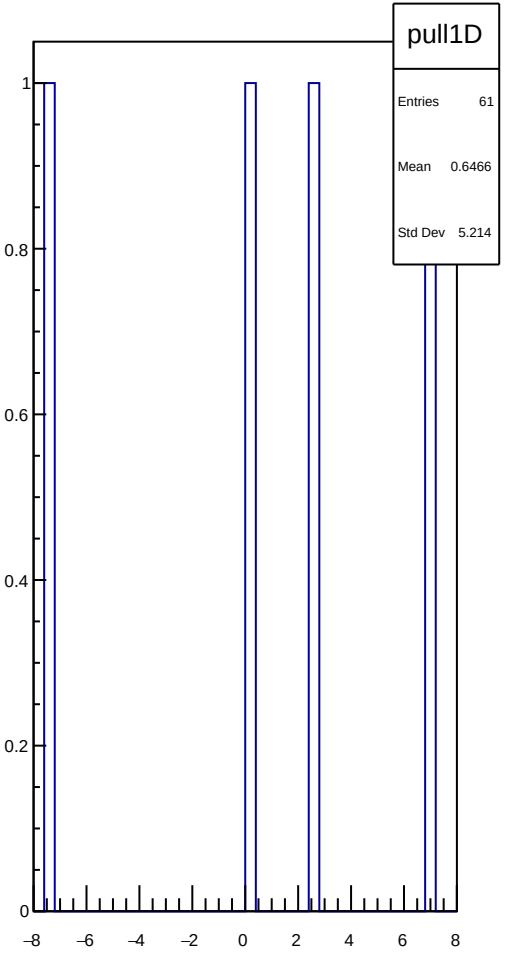

yield_sam2_rms vs run
χ² / ndf 1.201e+05 / 60
p0 0.1385 ± 0.0001337
0.6
0.5
0.4
0.3
0.2
0.1

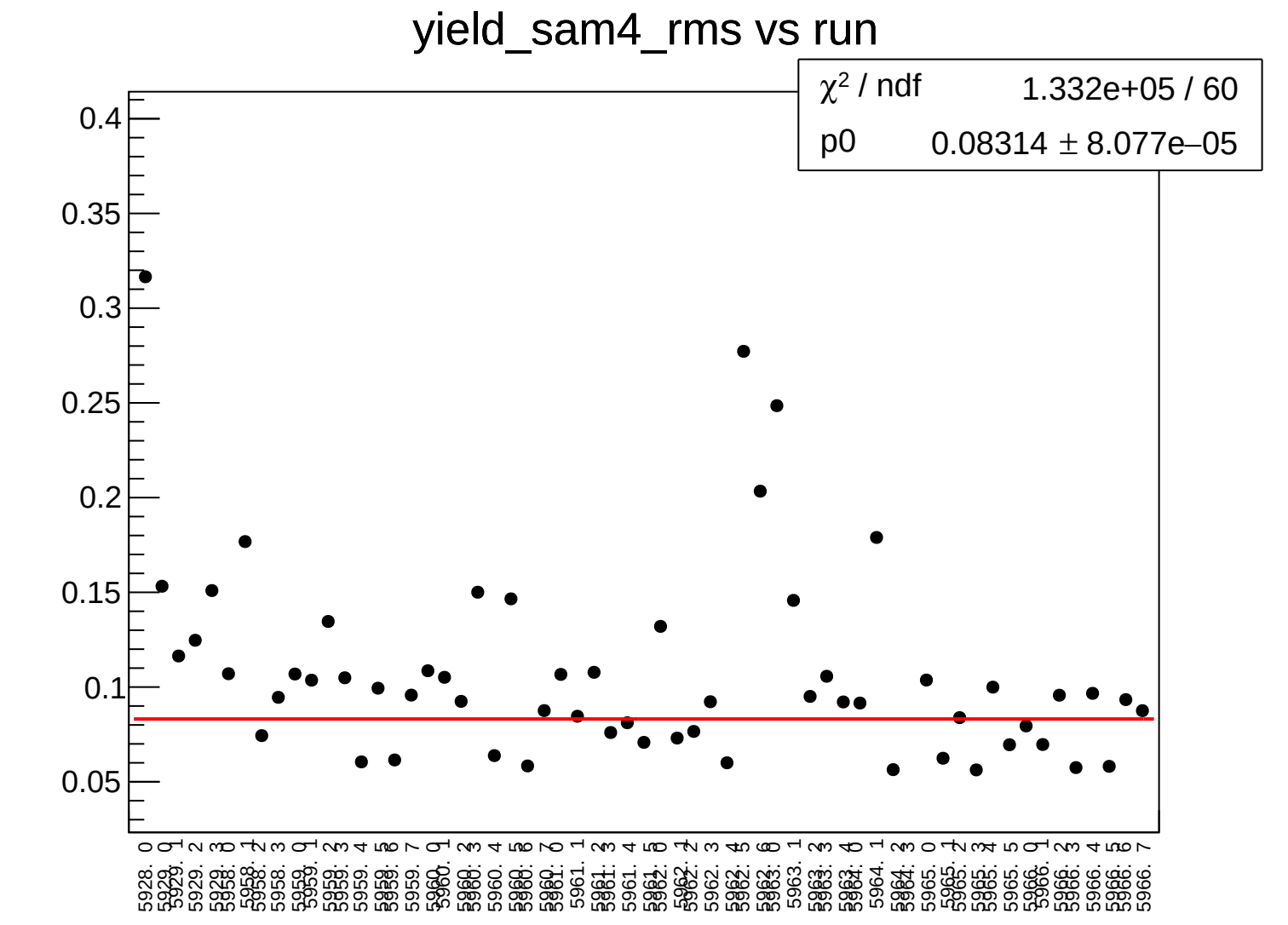

yield_sam3_mean vs run
χ² / ndf 2.809e+06 / 60
p0 29.19 ± 0.0001565
30.6
30.4
30.2
30
29.8
29.6
29.4
29.2
29
28.8
pull
Entries 61
Mean −83.18
Std Dev 0
800
600
400
200
0
−200

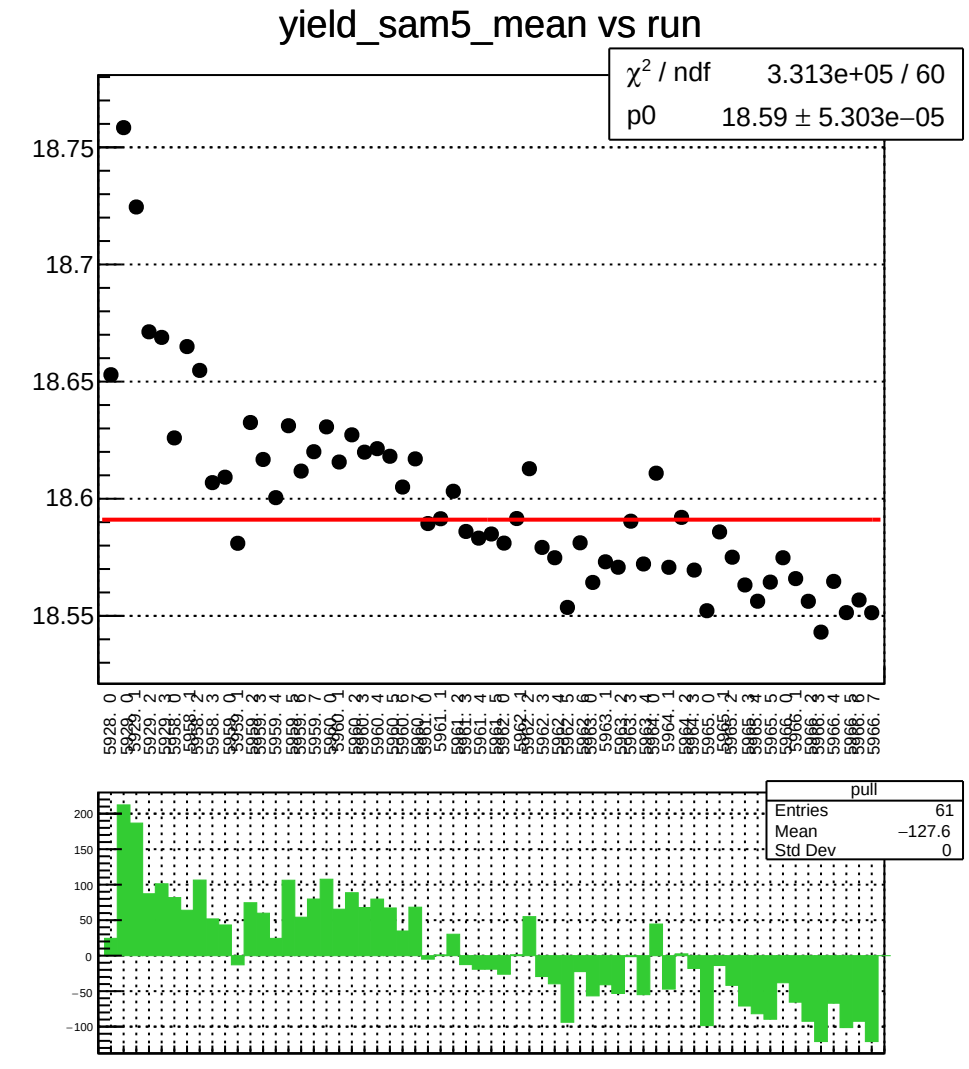

pull1D
Entries 61
Mean 1.763
Std Dev 1.365
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

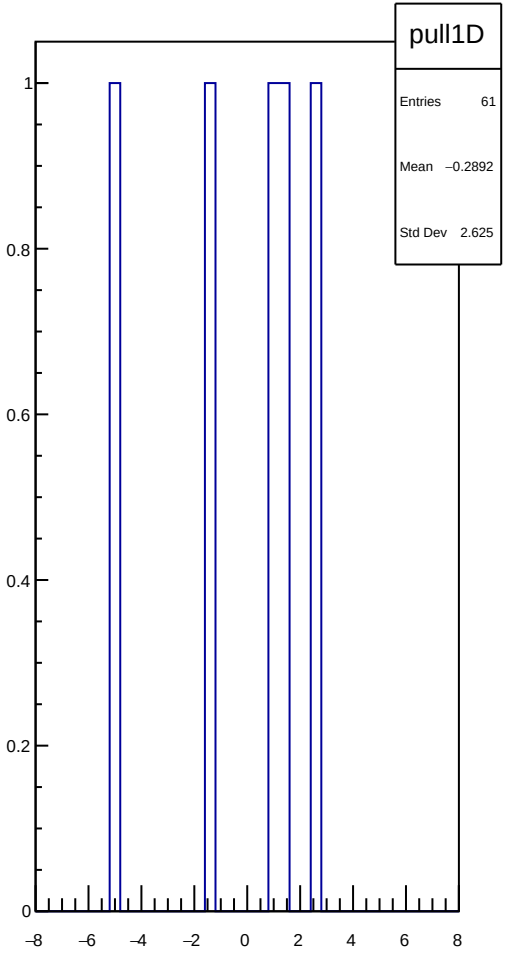

yield_sam3_rms vs run
χ² / ndf 1.848e+05 / 60
p0 0.1111 ± 0.0001106
0.5
0.4
0.3
0.2
0.1

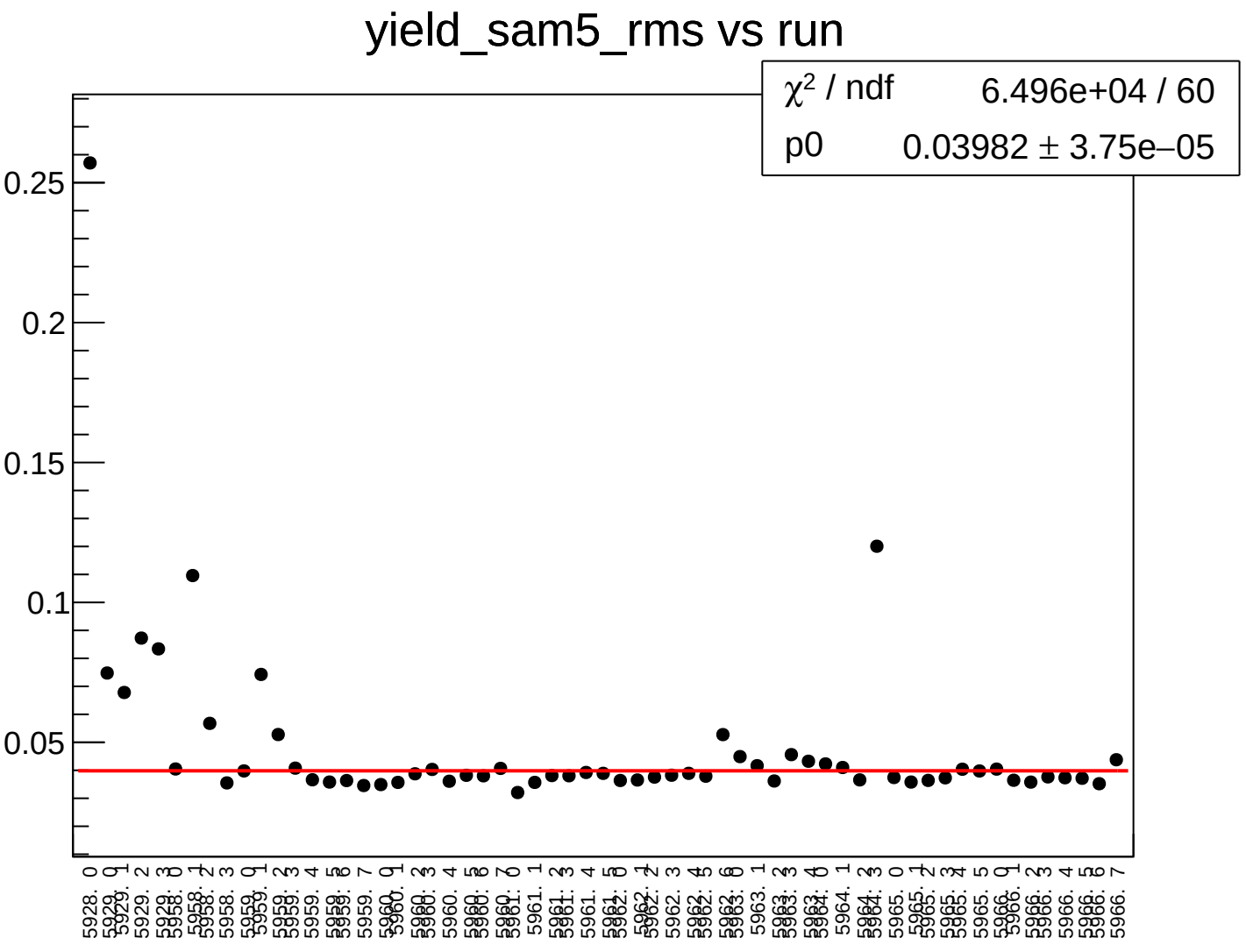

yield_sam4_mean vs run
χ² / ndf 6.788e+05 / 60
p0 13.53 ± 0.0001142
14.2
14.1
14
13.9
13.8
13.7
13.6
13.5
13.4
pull
Entries 61
Mean −61.5
Std Dev 0
400
300
200
100
0
−100

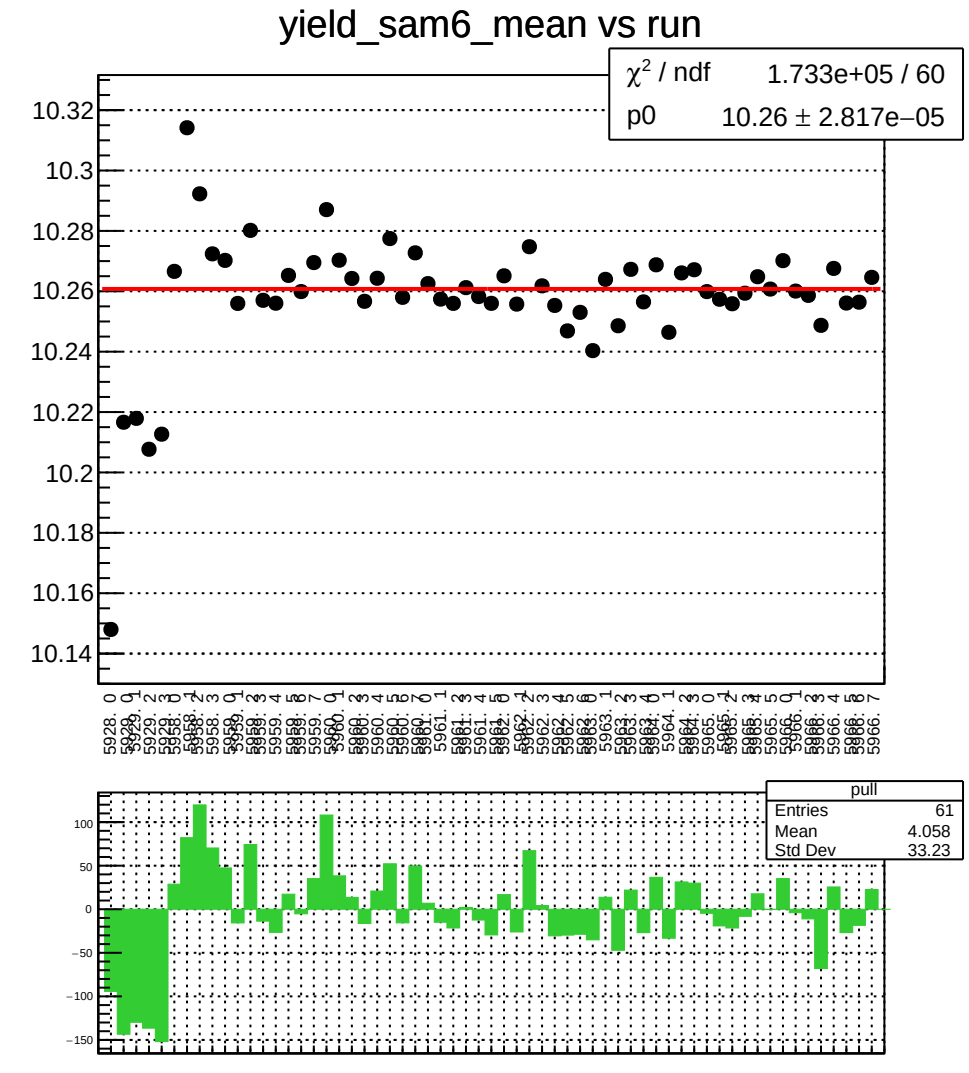

pull1D
Entries 61
Mean 0.6466
Std Dev 5.214
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

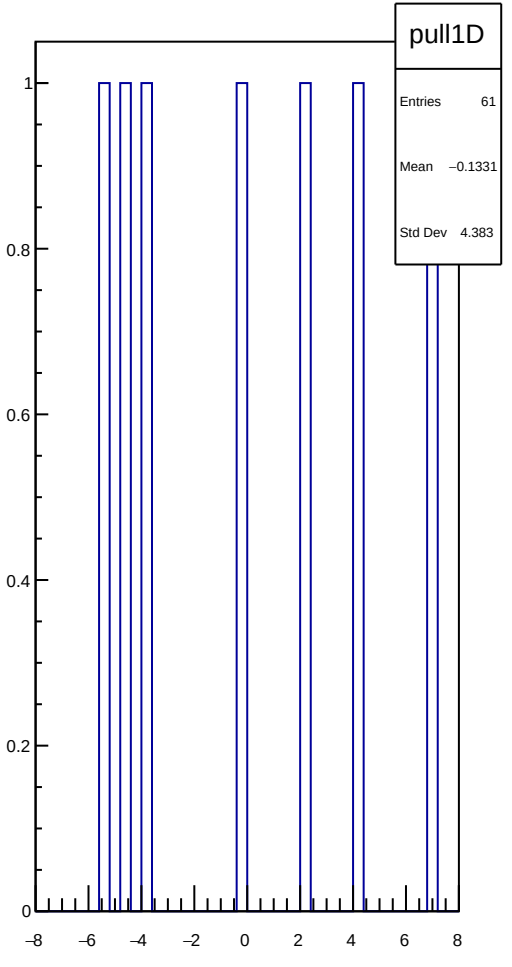

yield_sam4_rms vs run
χ² / ndf 1.332e+05 / 60
p0 0.08314 ± 8.077e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

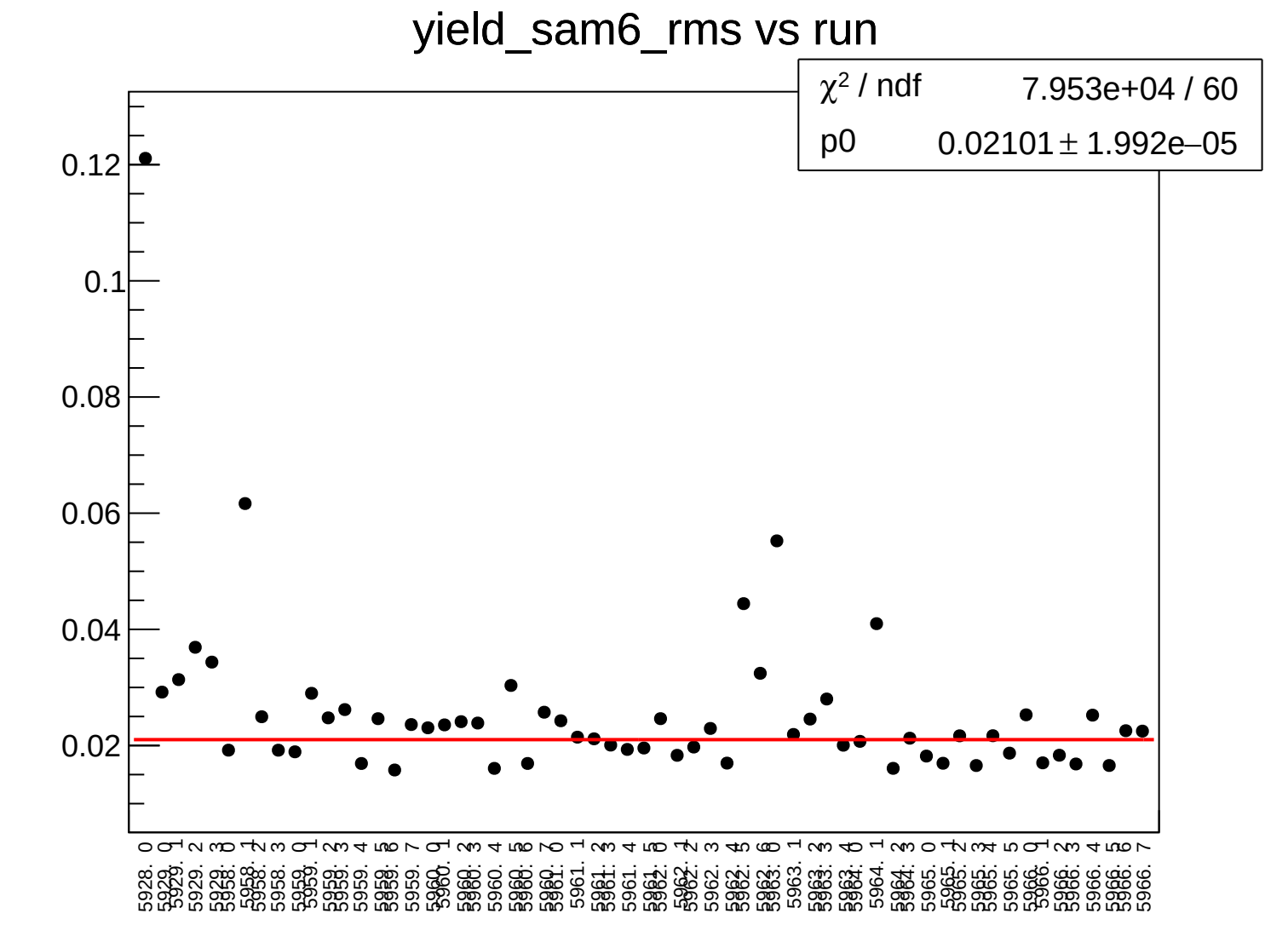

yield_sam5_mean vs run
χ² / ndf 3.313e+05 / 60
p0 18.59 ± 5.303e−05
18.75
18.7
18.65
18.6
18.55
pull
Entries 61
Mean −127.6
Std Dev 0
200
150
100
50
0
−50
−100

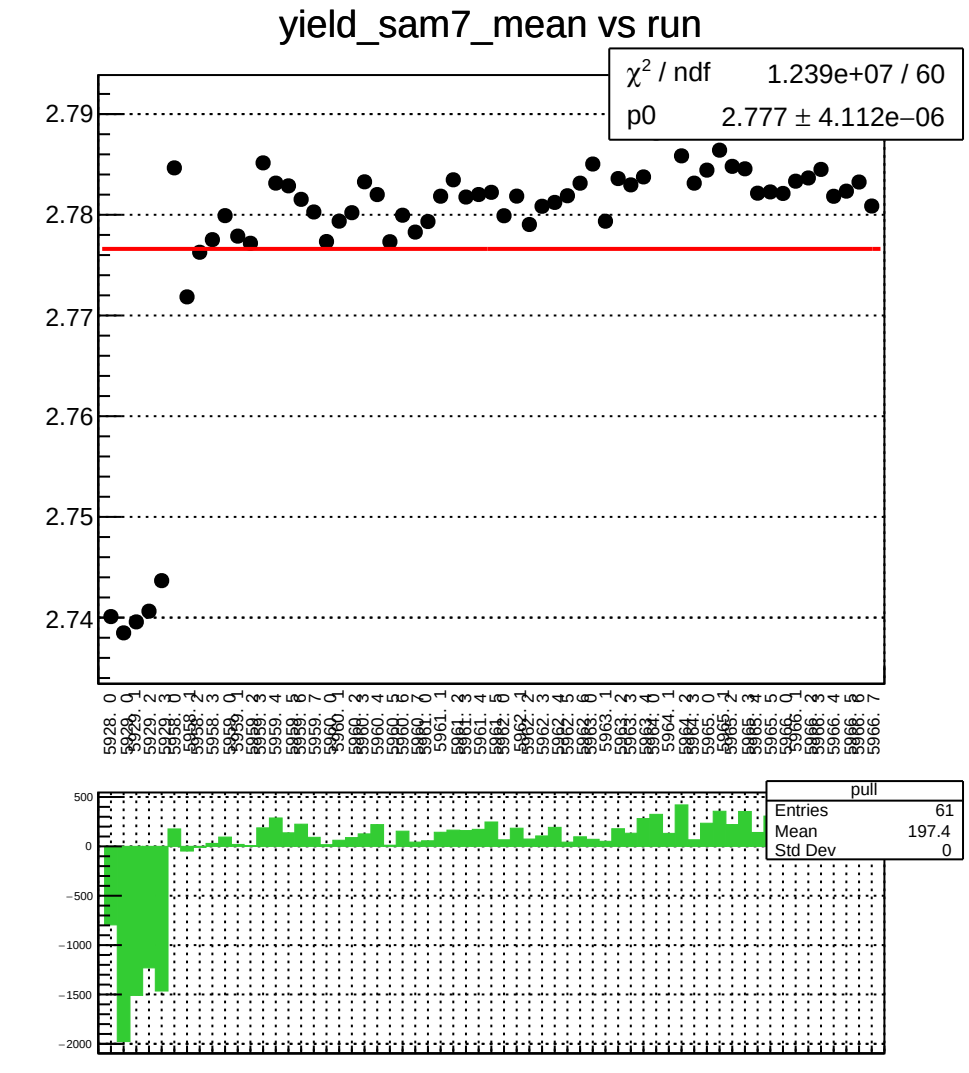

pull1D
Entries 61
Mean −0.2892
Std Dev 2.625
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

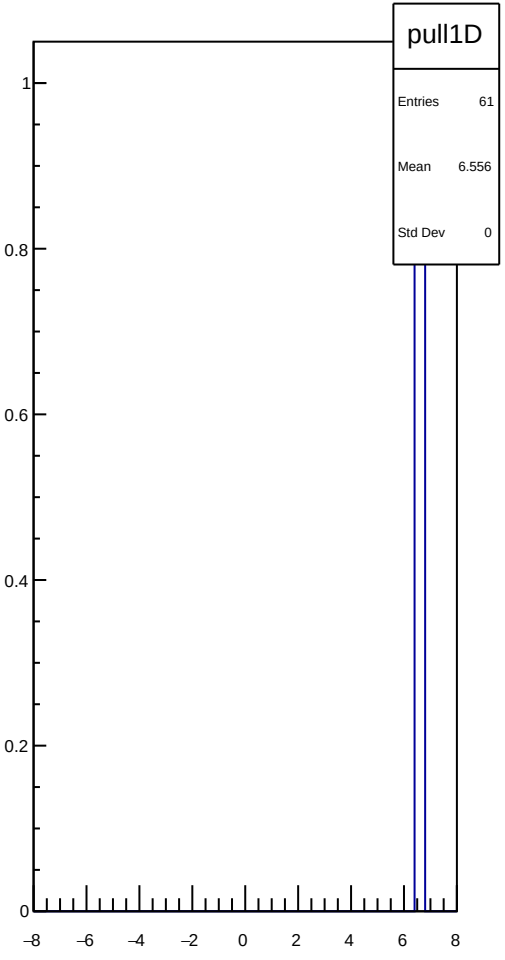

yield_sam5_rms vs run
χ² / ndf 6.496e+04 / 60
p0 0.03982 ± 3.75e−05
0.25
0.2
0.15
0.1
0.05

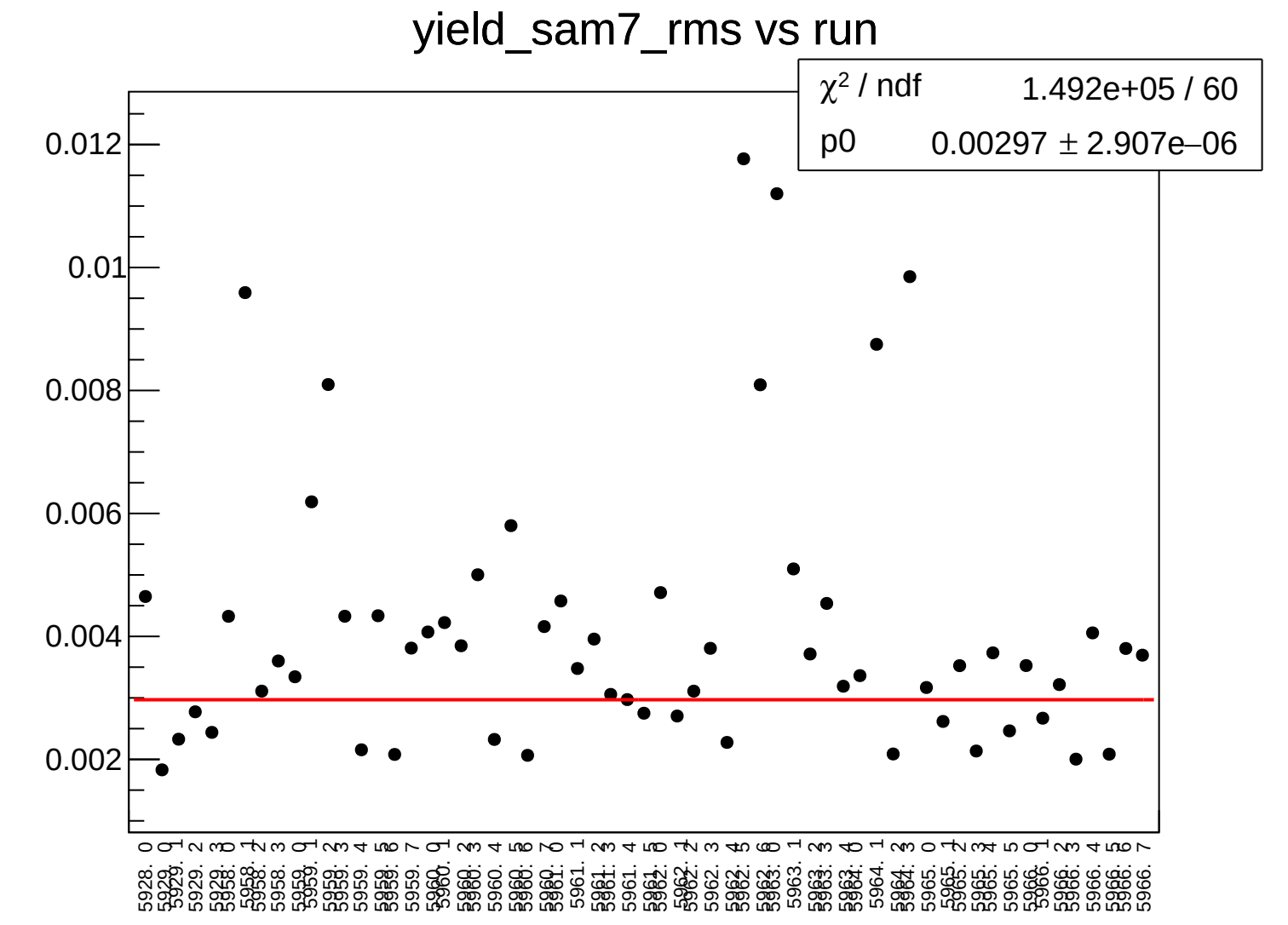

yield_sam6_mean vs run
χ² / ndf 1.733e+05 / 60
p0 10.26 ± 2.817e−05
10.32
10.3
10.28
10.26
10.24
10.22
10.2
10.18
10.16
10.14
pull
Entries 61
Mean 4.058
Std Dev 33.23
100
50
0
−50
−100
−150

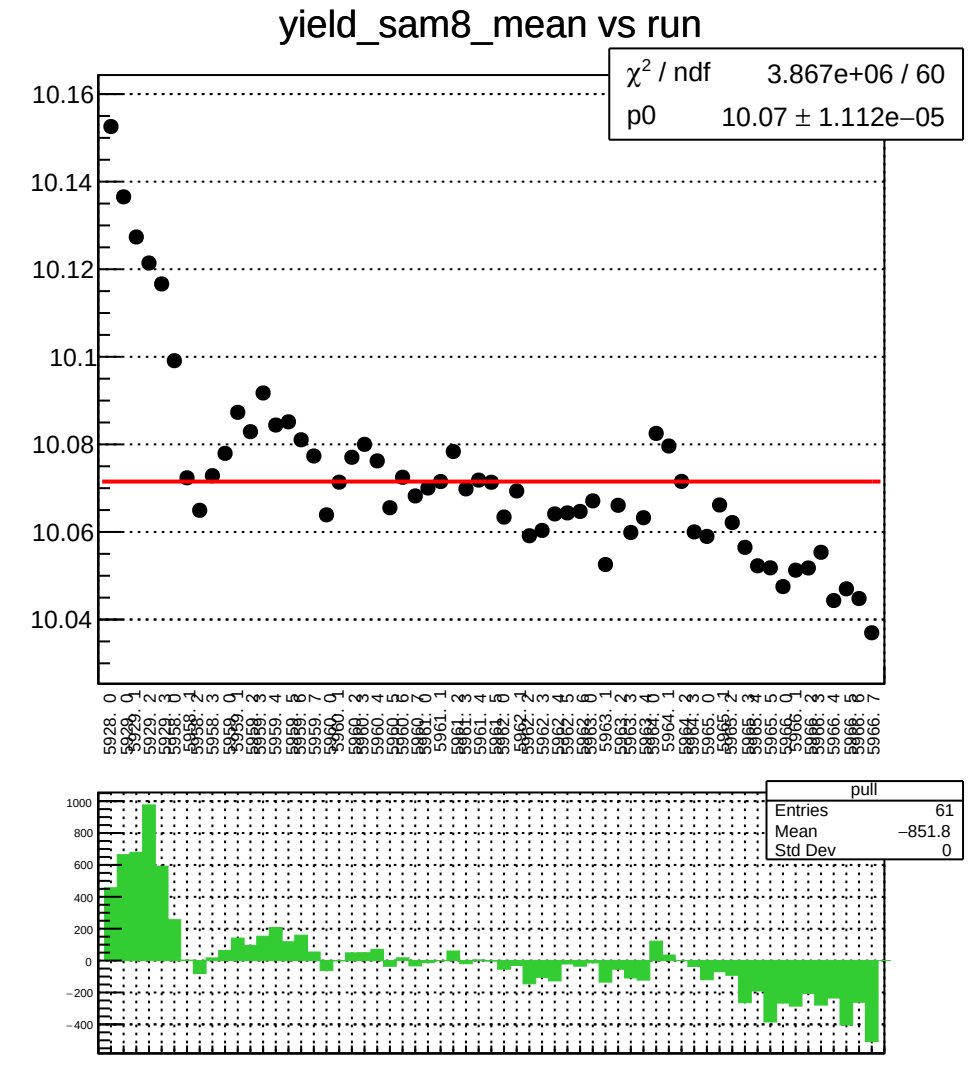

pull1D
Entries 61
Mean −0.1331
Std Dev 4.383
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

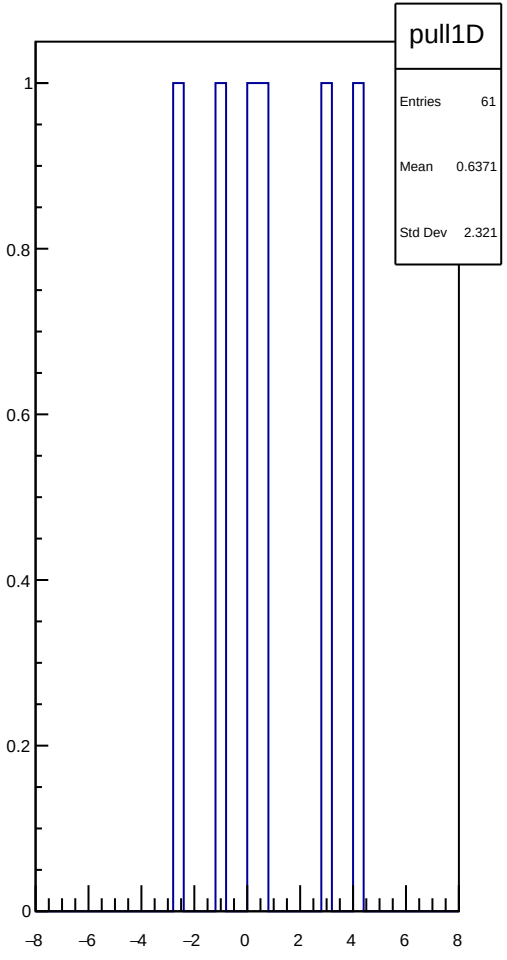

yield_sam6_rms vs run
χ² / ndf 7.953e+04 / 60
p0 0.02101 ± 1.992e−05
0.12
0.1
0.08
0.06
0.04
0.02

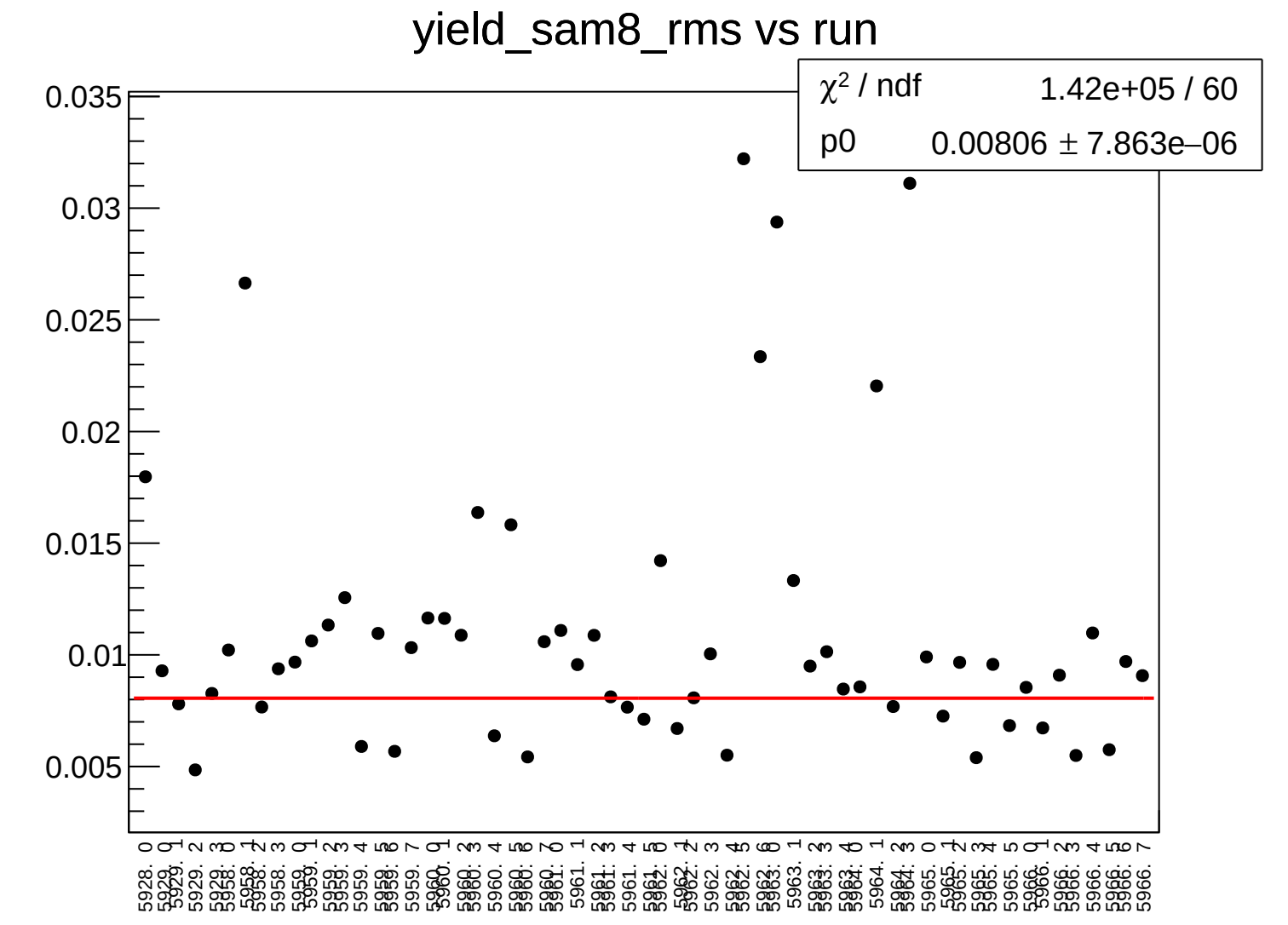

yield_sam7_mean vs run
χ² / ndf 1.239e+07 / 60
p0 2.777 ± 4.112e−06
2.79
2.78
2.77
2.76
2.75
2.74
pull
Entries 61
Mean 197.4
Std Dev 0
500
0
−500
−1000
−1500
−2000

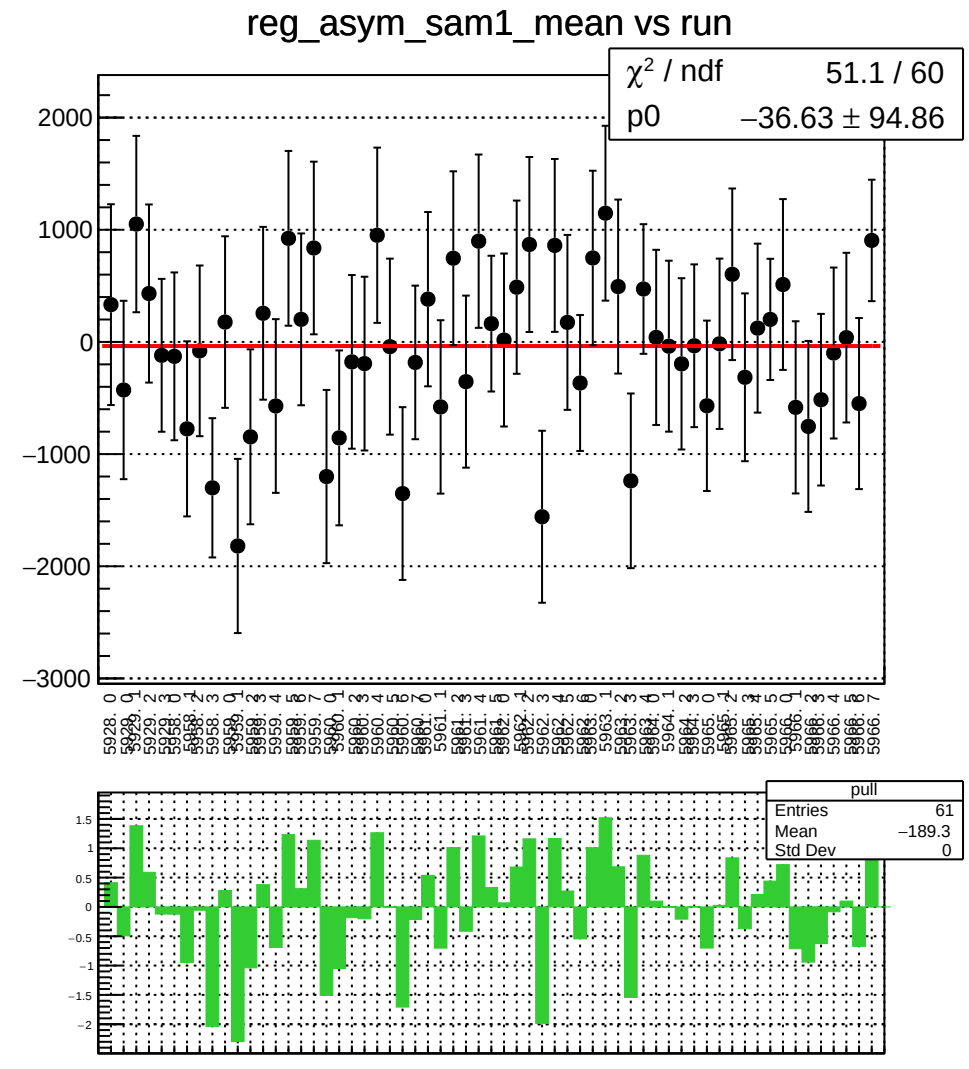

pull1D
Entries 61
Mean 6.556
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

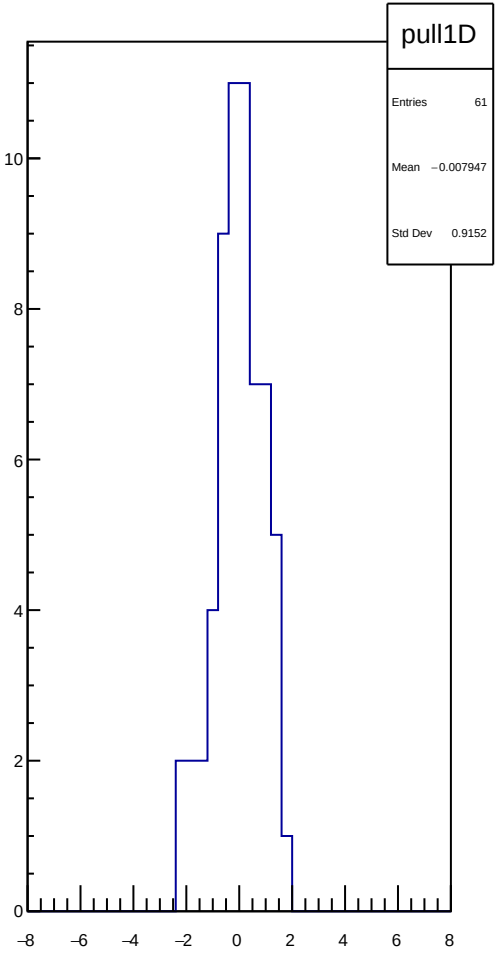

yield_sam7_rms vs run
χ² / ndf 1.492e+05 / 60
p0 0.00297 ± 2.907e–06
0.012
0.01
0.008
0.006
0.004
0.002

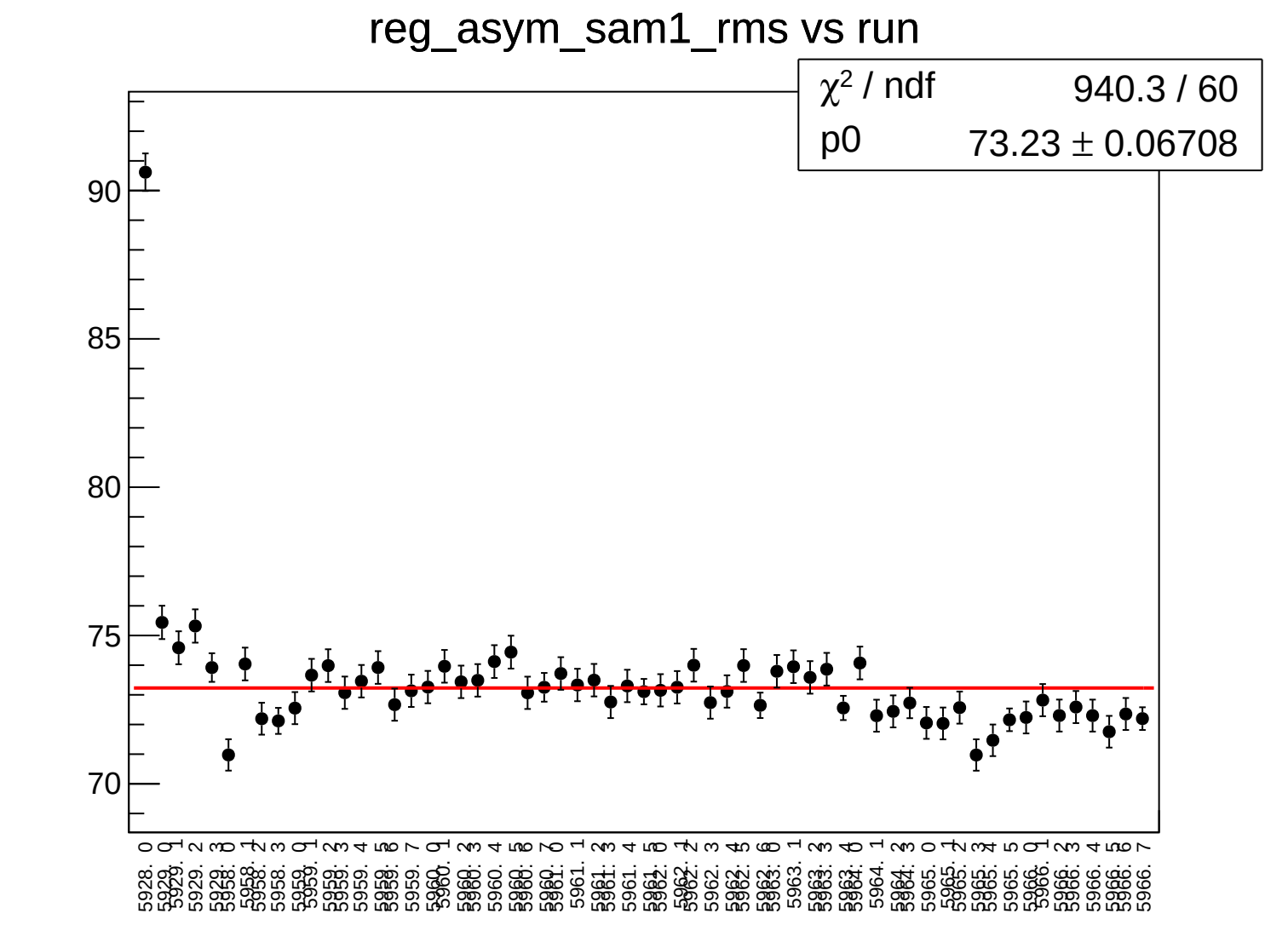

yield_sam8_mean vs run
χ² / ndf 3.867e+06 / 60
p0 10.07 ± 1.112e−05
10.16
10.14
10.12
10.1
10.08
10.06
10.04
pull
Entries 61
Mean −851.8
Std Dev 0
1000
800
600
400
200
0
−200
−400

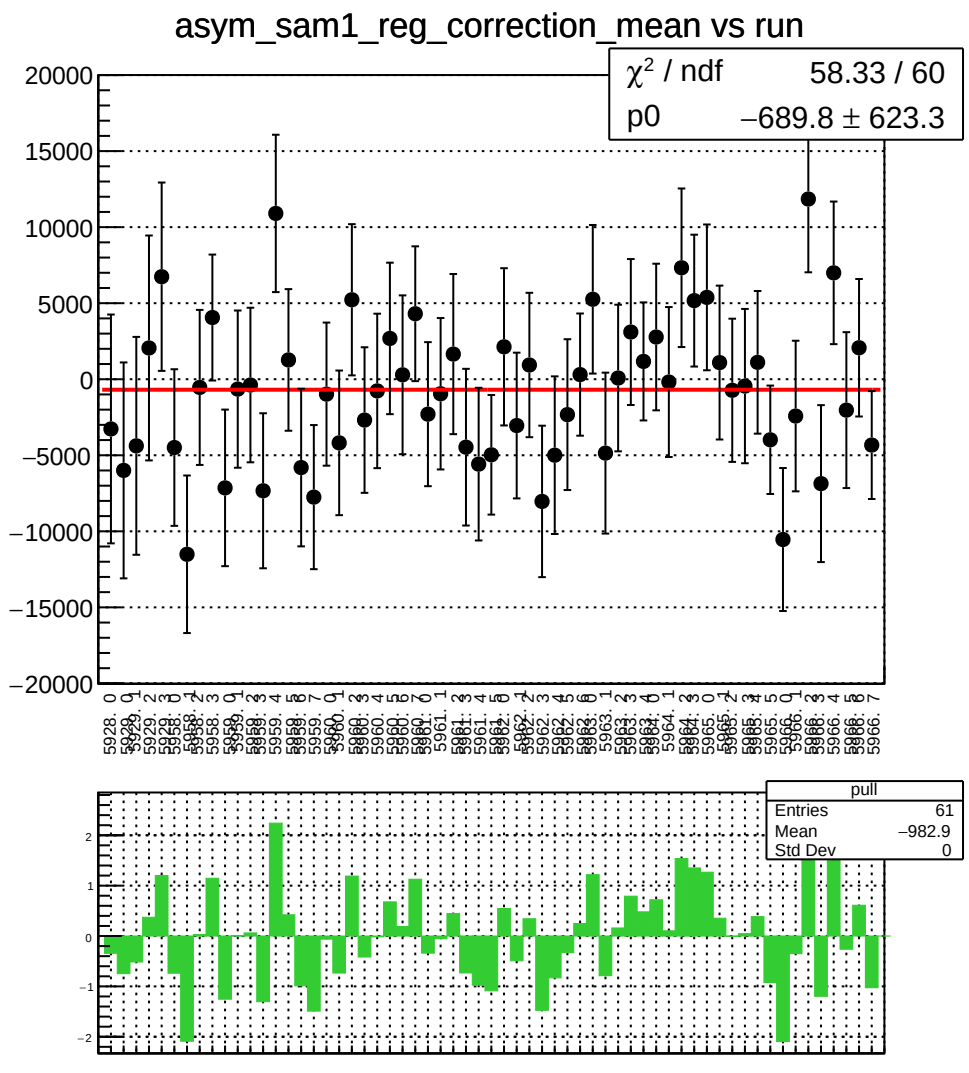

pull1D
Entries 61
Mean 0.6371
Std Dev 2.321
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

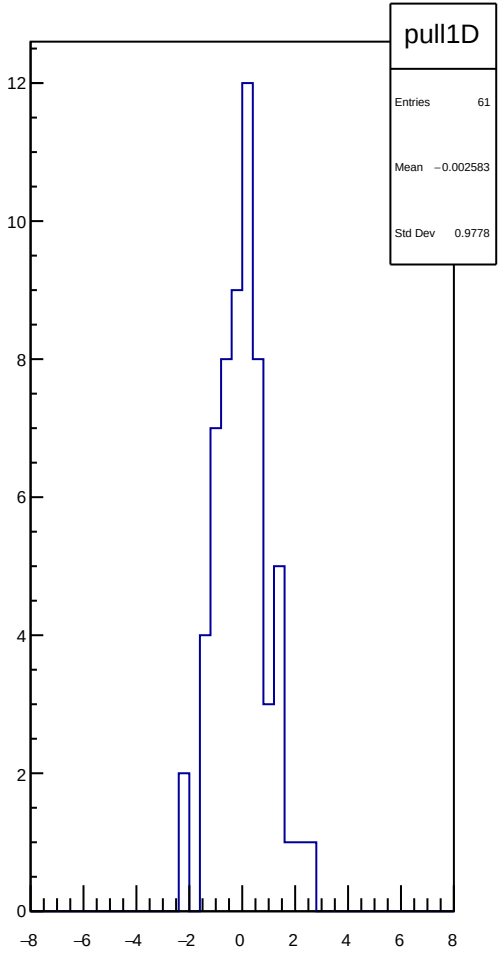

yield_sam8_rms vs run
χ² / ndf 1.42e+05 / 60
p0 0.00806 ± 7.863e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

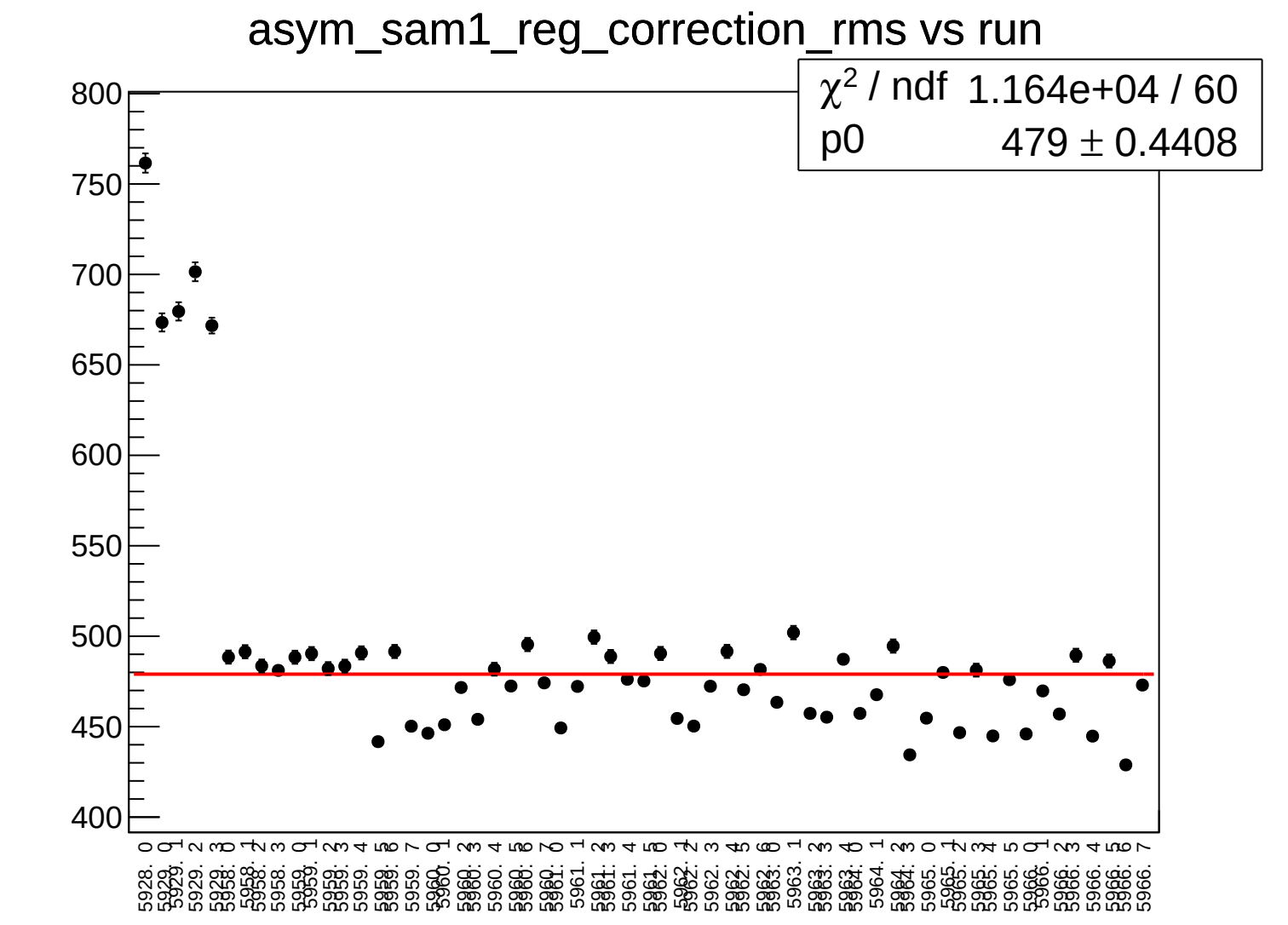

reg_asym_sam1_mean vs run
χ² / ndf 51.1 / 60
p0 −36.63 ± 94.86
pull
Entries 61
Mean −189.3
Std Dev 0

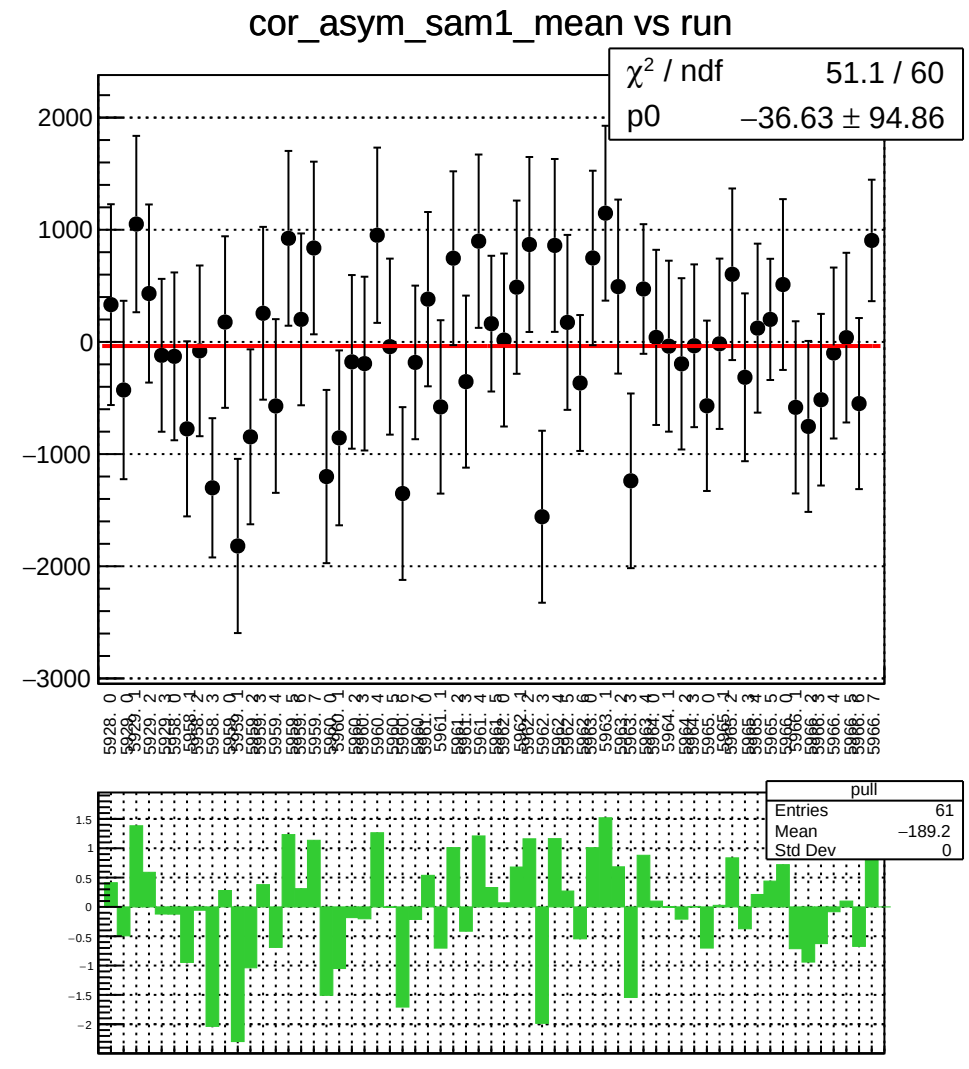

pull1D
Entries 61
Mean −0.007947
Std Dev 0.9152

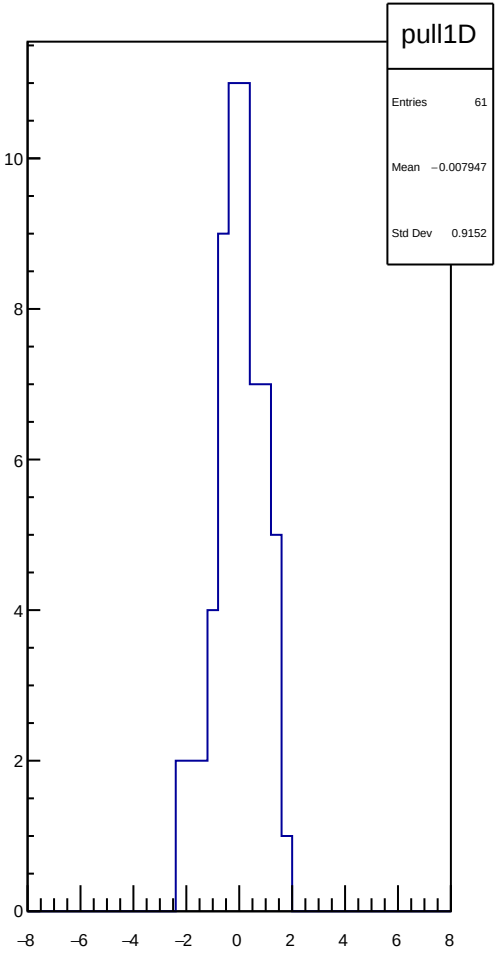

reg_asym_sam1_rms vs run
χ^2 / ndf 940.3 / 60
p0 73.23 ± 0.06708
90
85
80
75
70

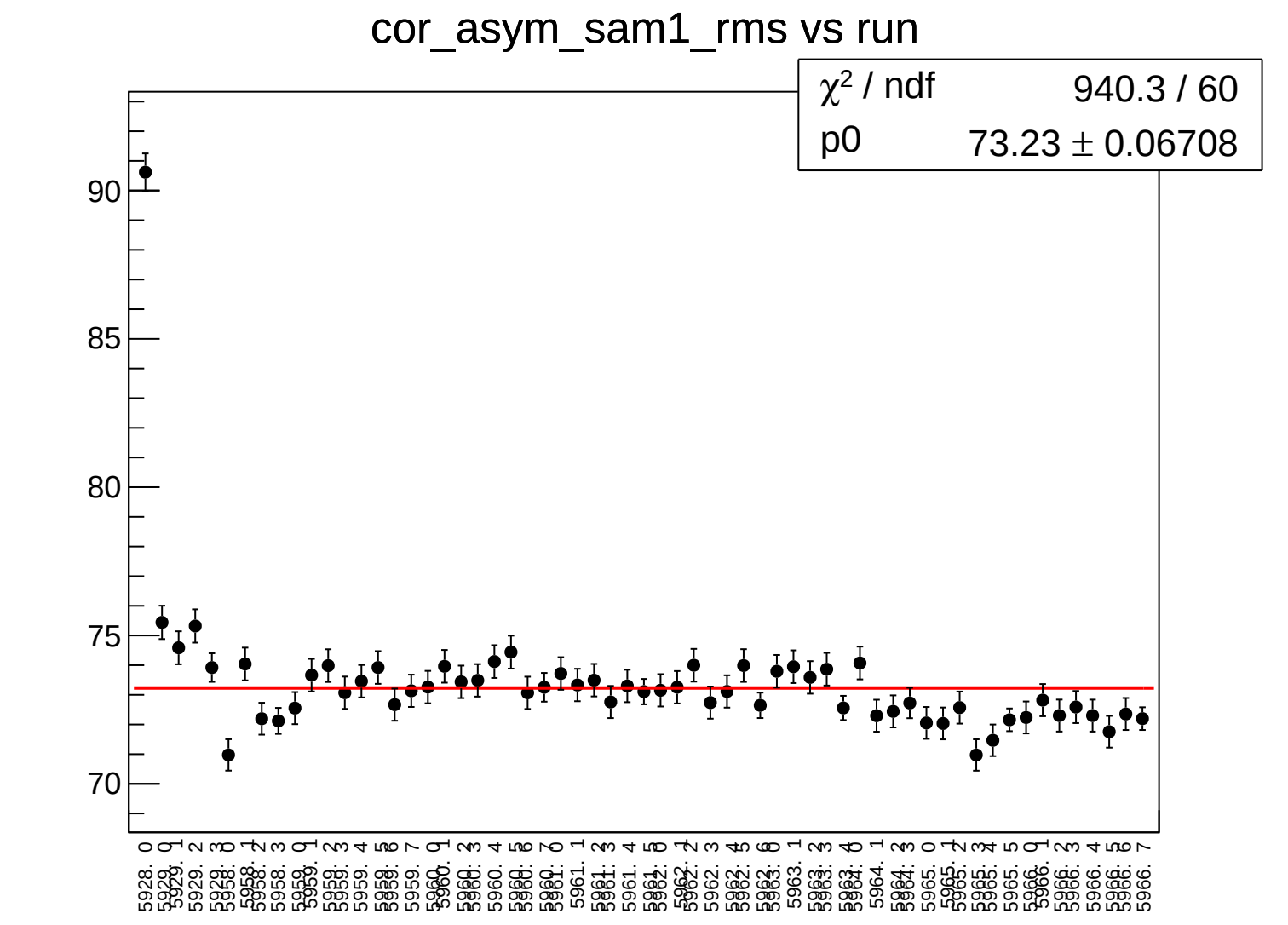

asym_sam1_reg_correction_mean vs run
χ² / ndf 58.33 / 60
p0 −689.8 ± 623.3
pull
Entries 61
Mean −982.9
Std Dev 0

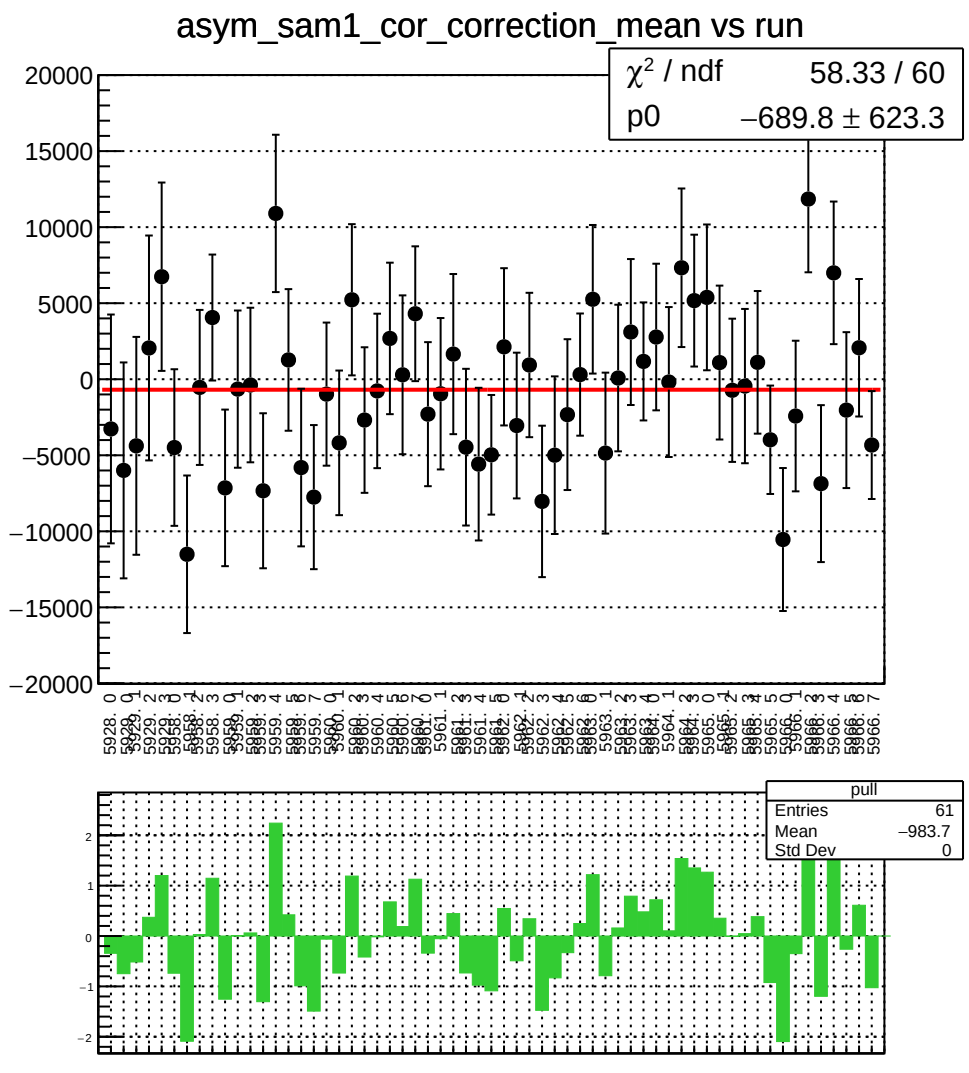

pull1D
Entries 61
Mean −0.002583
Std Dev 0.9778

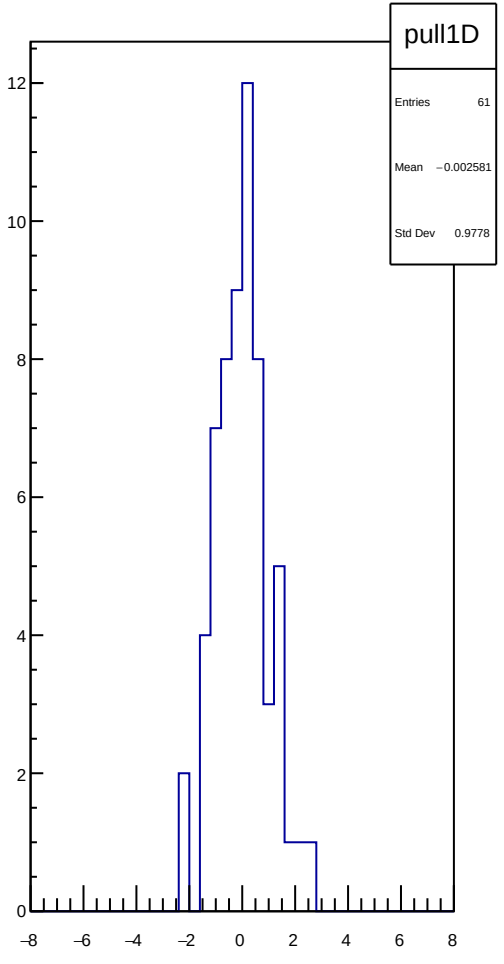

asym_sam1_reg_correction_rms vs run
χ² / ndf 1.164e+04 / 60
p0 479 ± 0.4408
800
750
700
650
600
550
500
450
400

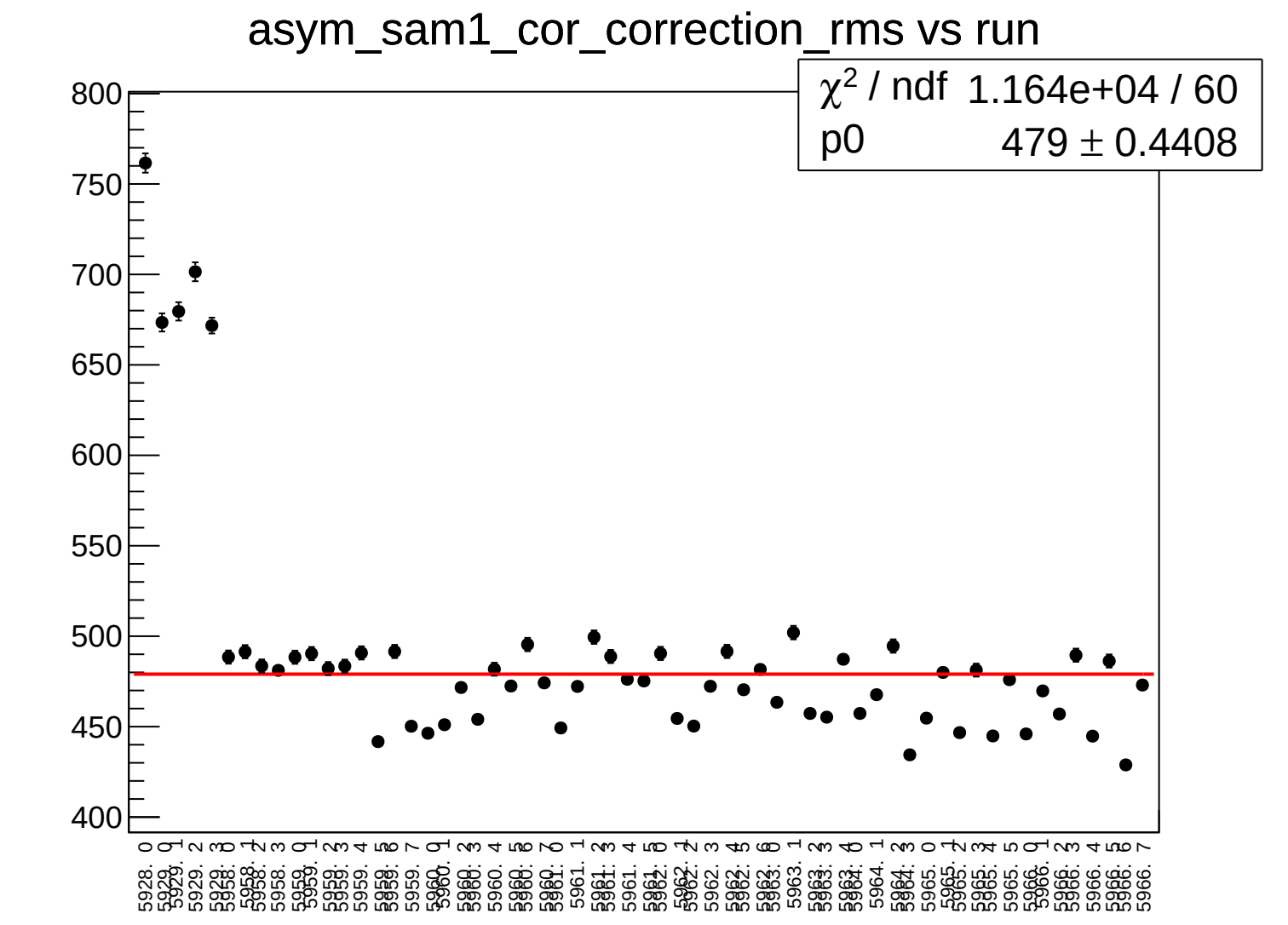

cor_asym_sam1_mean vs run
χ² / ndf 51.1 / 60
p0 −36.63 ± 94.86
pull
Entries 61
Mean −189.2
Std Dev 0

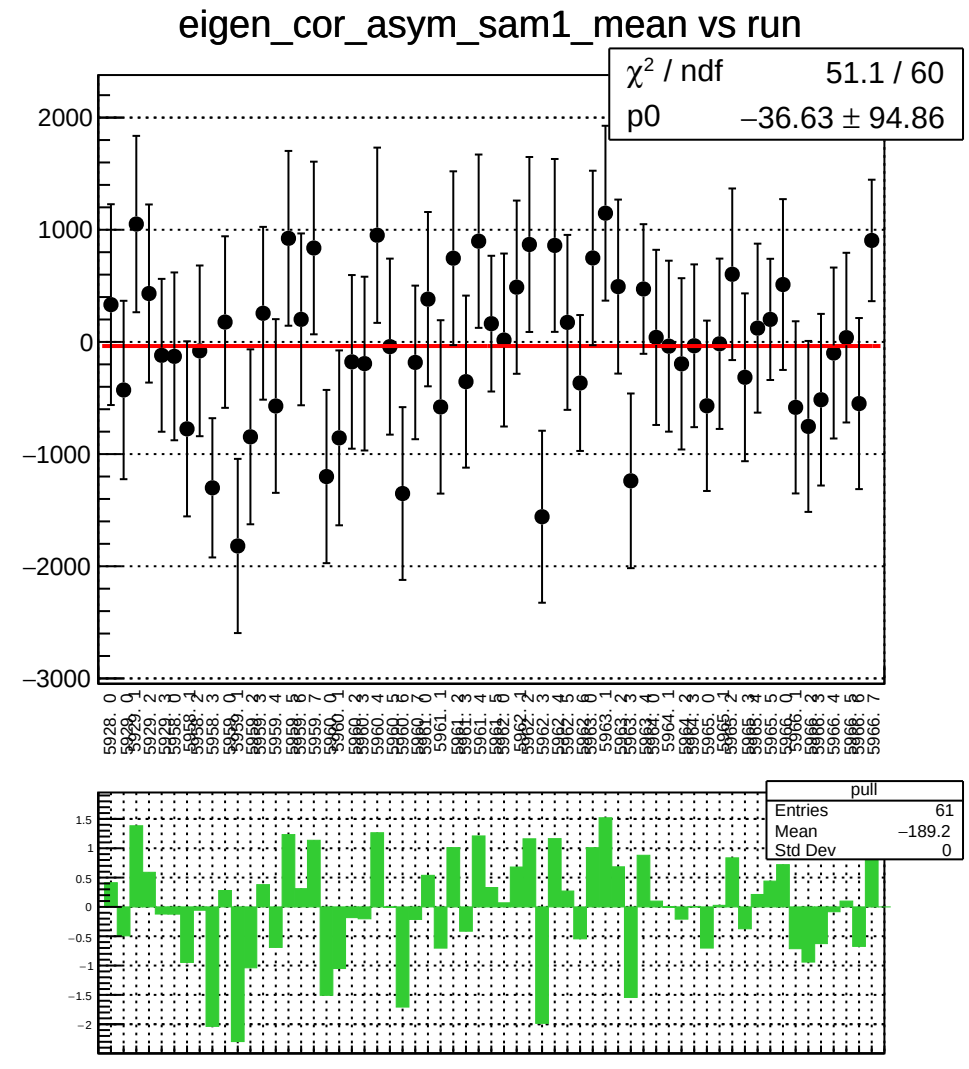

pull1D
Entries 61
Mean −0.007947
Std Dev 0.9152

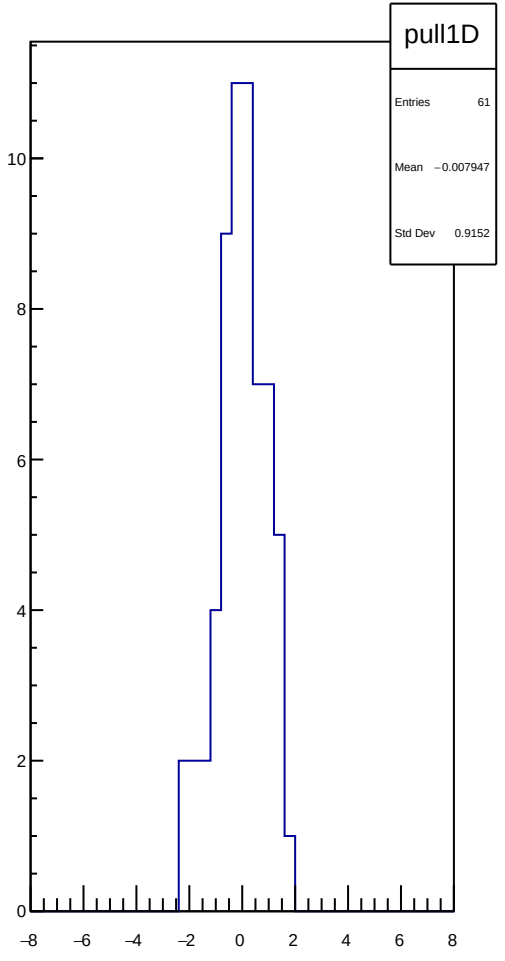

cor_asym_sam1_rms vs run
χ^2 / ndf 940.3 / 60
p0 73.23 ± 0.06708
90
85
80
75
70

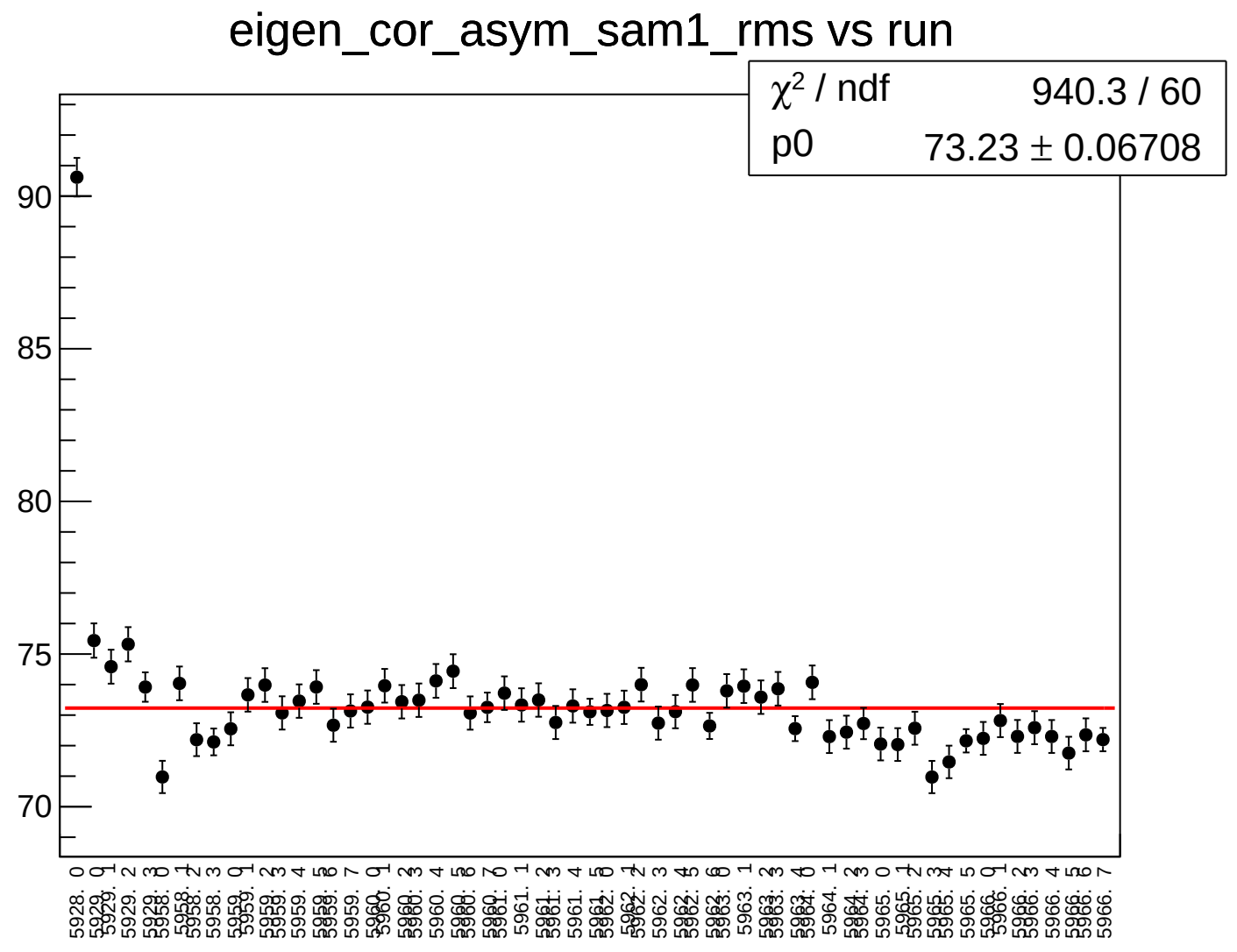

asym_sam1_cor_correction_mean vs run
χ² / ndf 58.33 / 60
p0 −689.8 ± 623.3
pull
Entries 61
Mean −983.7
Std Dev 0

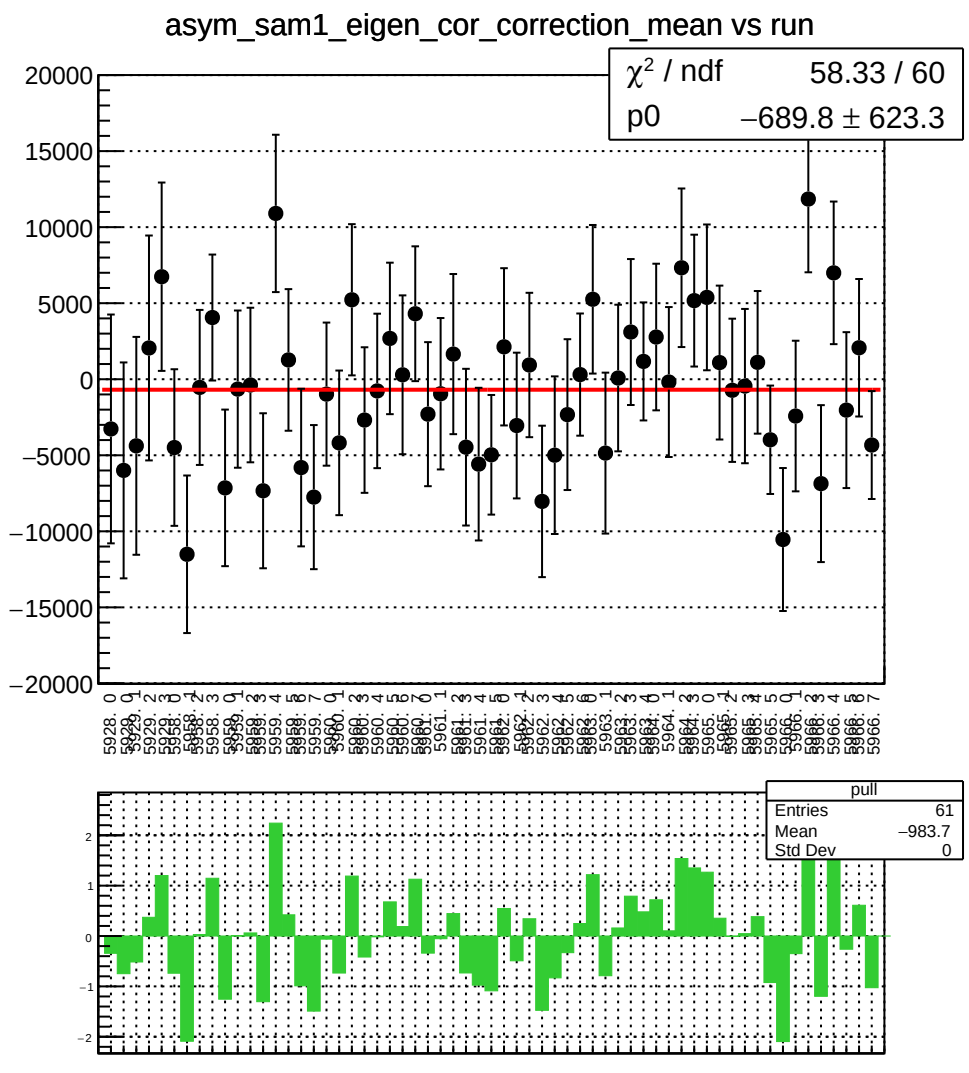

pull1D
Entries 61
Mean −0.002581
Std Dev 0.9778

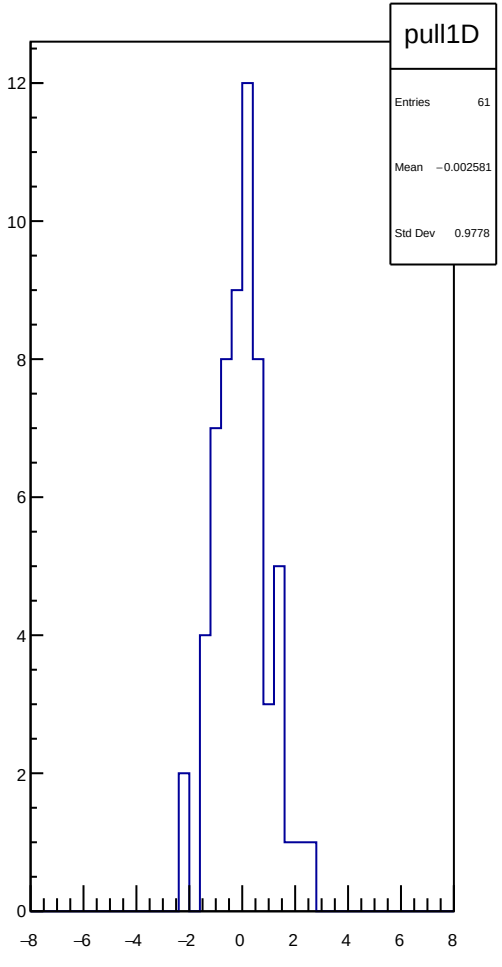

asym_sam1_cor_correction_rms vs run
χ² / ndf 1.164e+04 / 60
p0 479 ± 0.4408
800
750
700
650
600
550
500
450
400

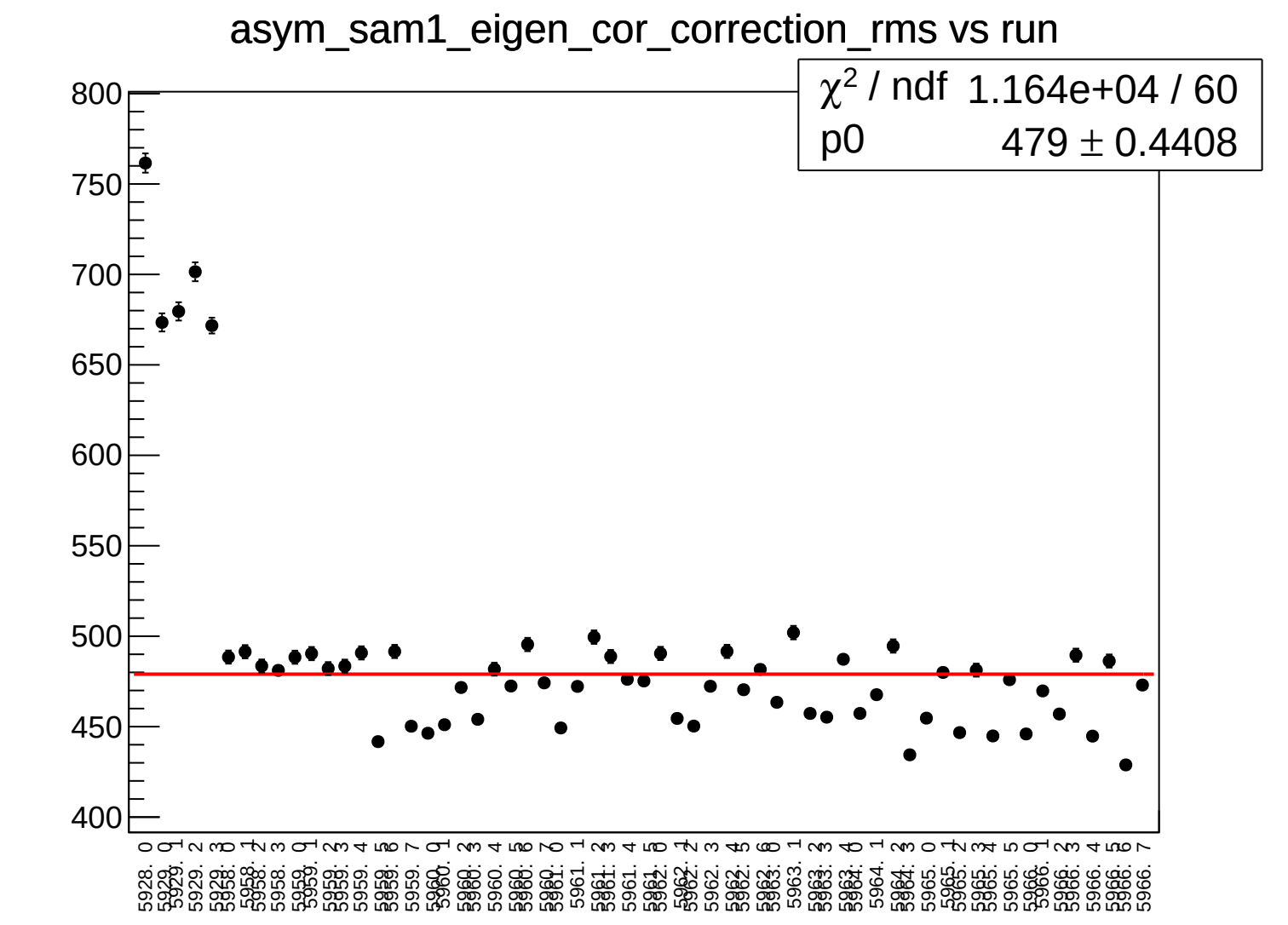

eigen_cor_asym_sam1_mean vs run
χ² / ndf 51.1 / 60
p0 −36.63 ± 94.86
pull
Entries 61
Mean −189.2
Std Dev 0

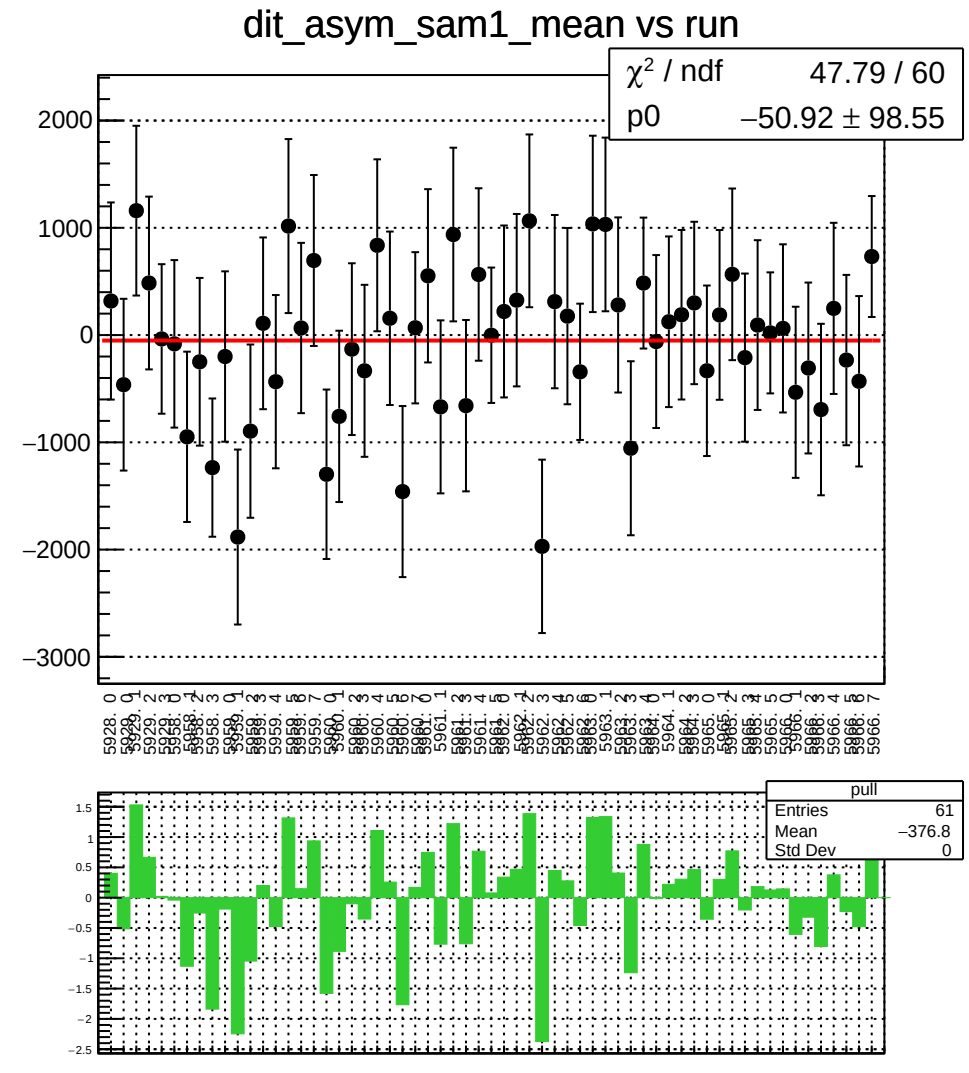

pull1D
Entries 61
Mean −0.007947
Std Dev 0.9152

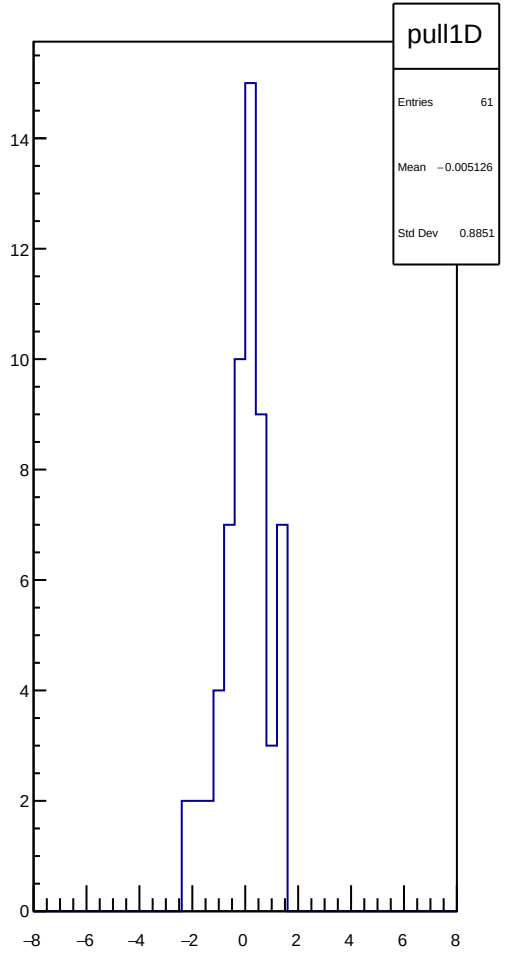

eigen_cor_asym_sam1_rms vs run
χ² / ndf 940.3 / 60
p0 73.23 ± 0.06708
90
85
80
75
70

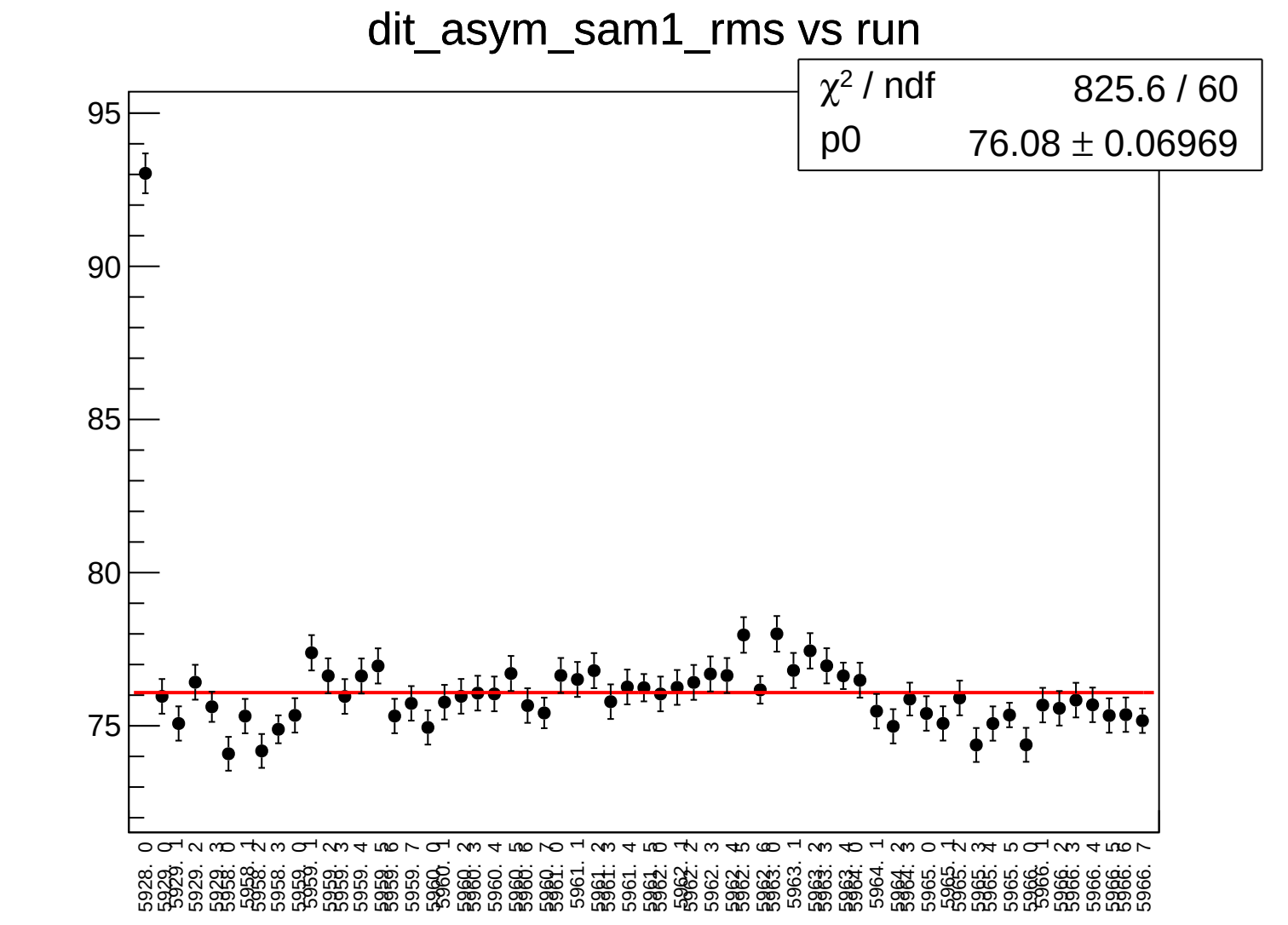

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 58.33 / 60
p0 −689.8 ± 623.3
pull
Entries 61
Mean −983.7
Std Dev 0

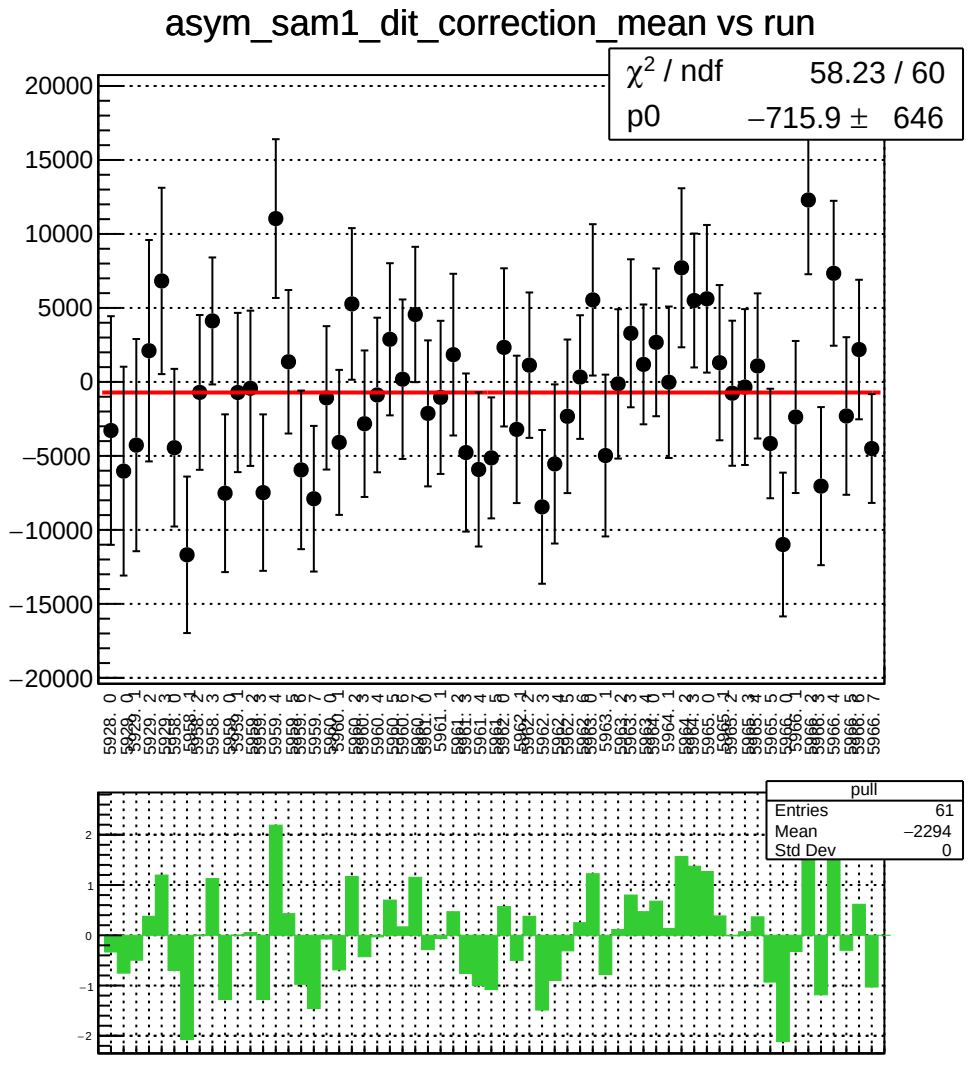

pull1D
Entries 61
Mean −0.002581
Std Dev 0.9778

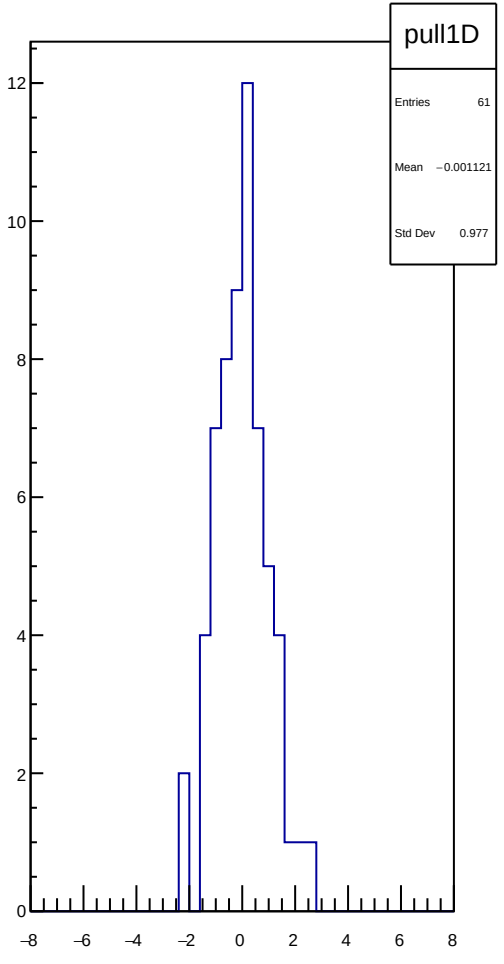

asym_sam1_eigen_cor_correction_rms vs run
χ^2 / ndf 1.164e+04 / 60
p0 479 ± 0.4408
800
750
700
650
600
550
500
450
400

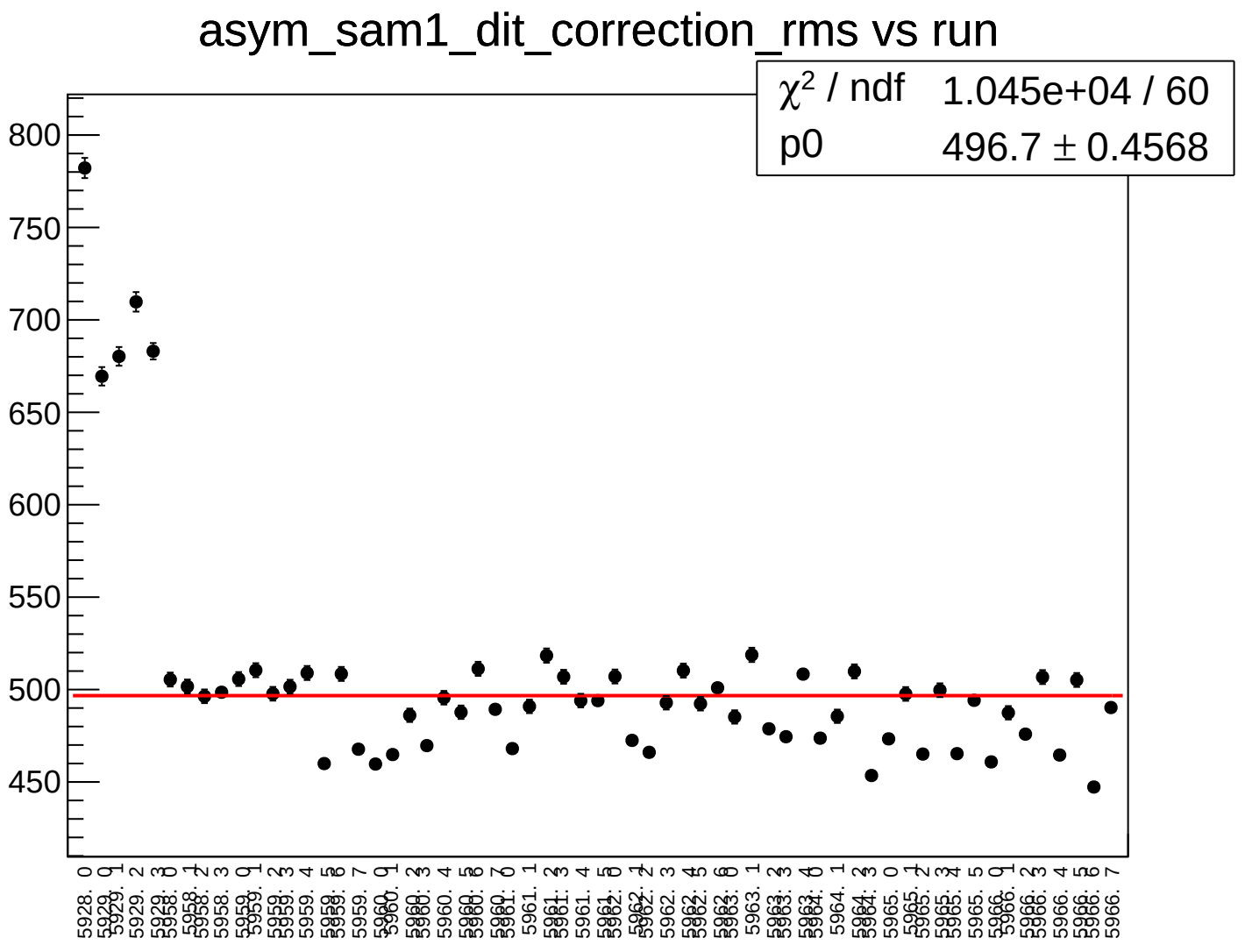

dit_asym_sam1_mean vs run
χ² / ndf 47.79 / 60
p0 −50.92 ± 98.55
pull
Entries 61
Mean −376.8
Std Dev 0

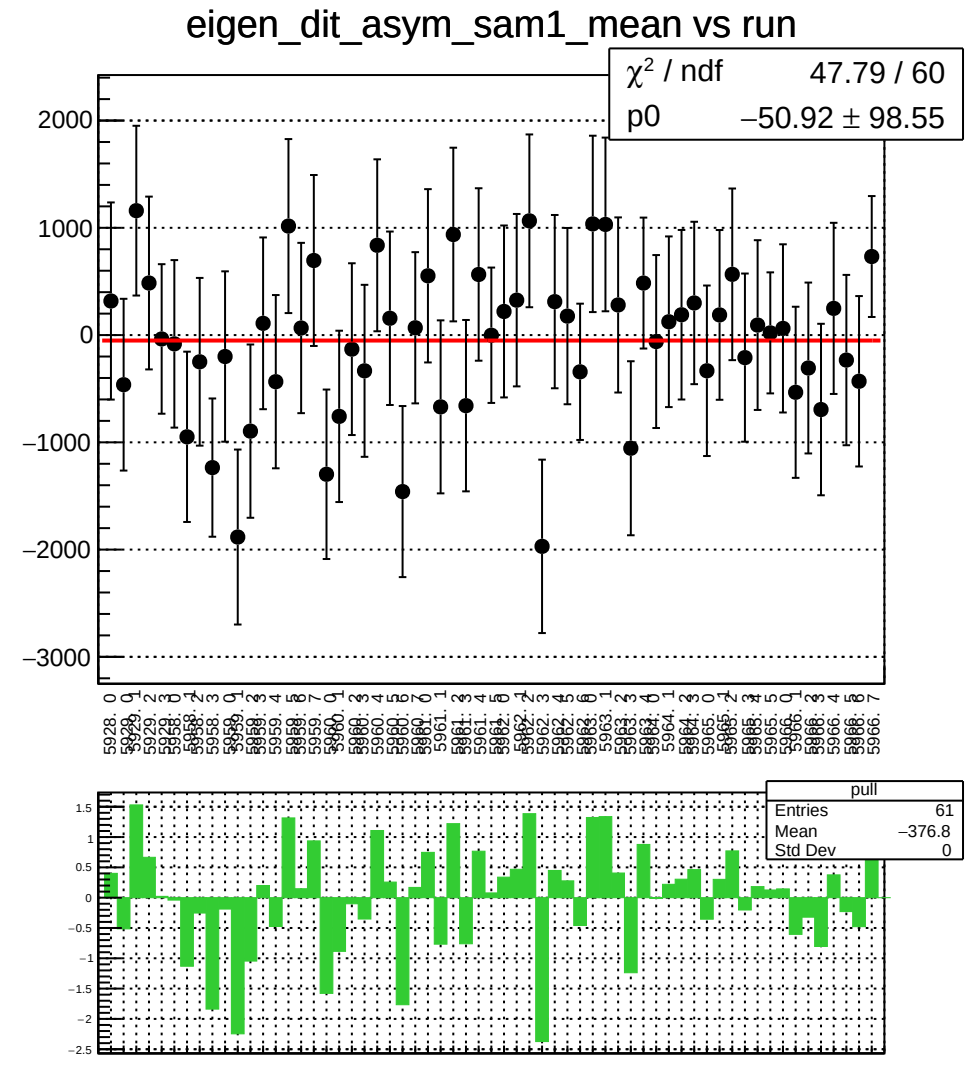

pull1D
Entries 61
Mean −0.005126
Std Dev 0.8851

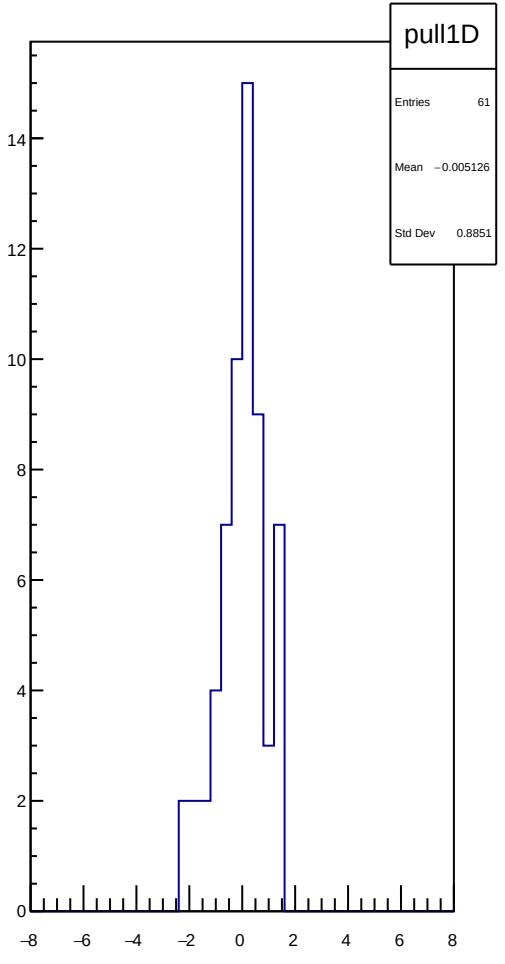

dit_asym_sam1_rms vs run
χ² / ndf 825.6 / 60
p0 76.08 ± 0.06969
95
90
85
80
75

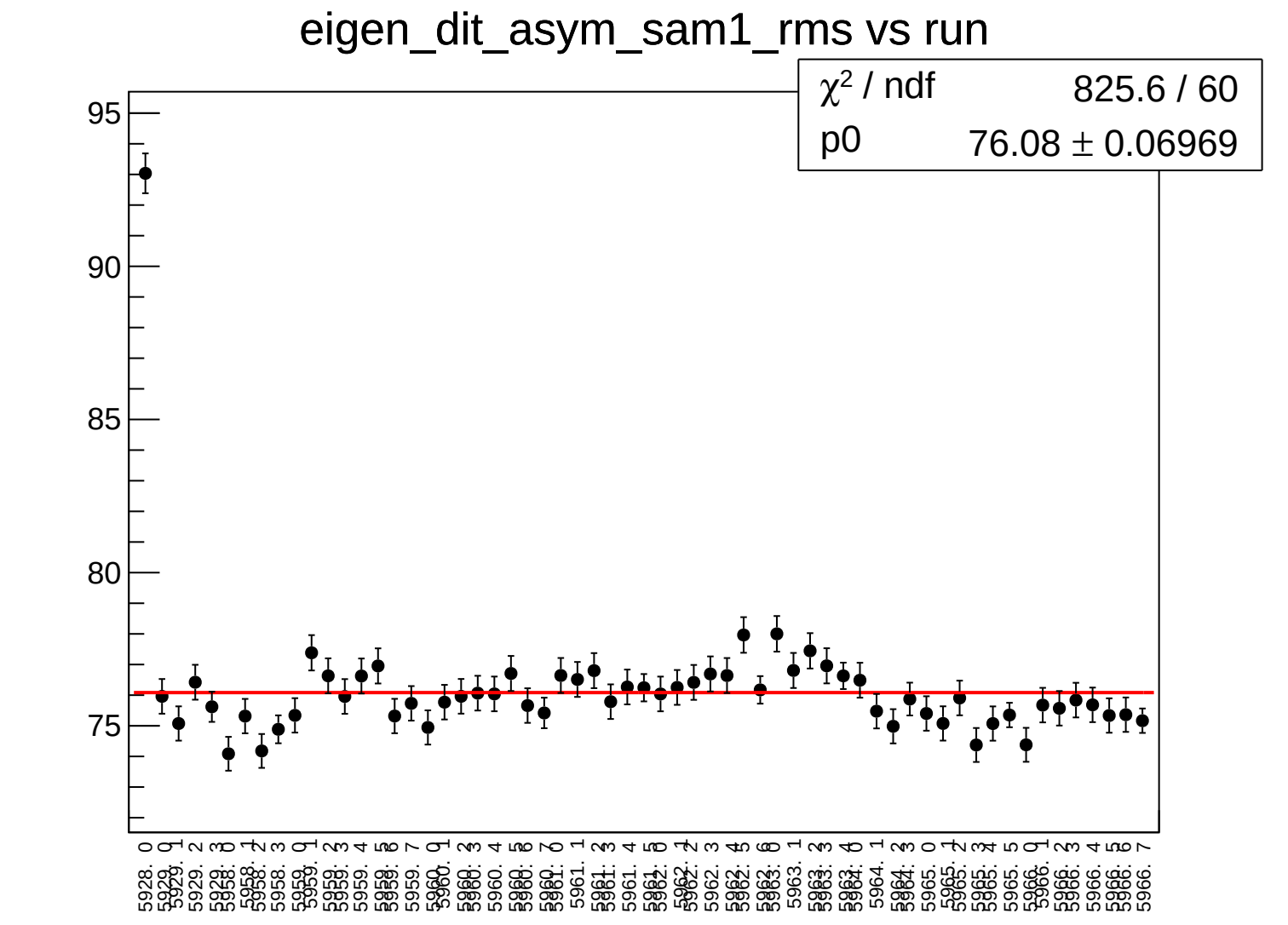

asym_sam1_dit_correction_mean vs run
χ² / ndf 58.23 / 60
p0 −715.9 ± 646
pull
Entries 61
Mean −2294
Std Dev 0

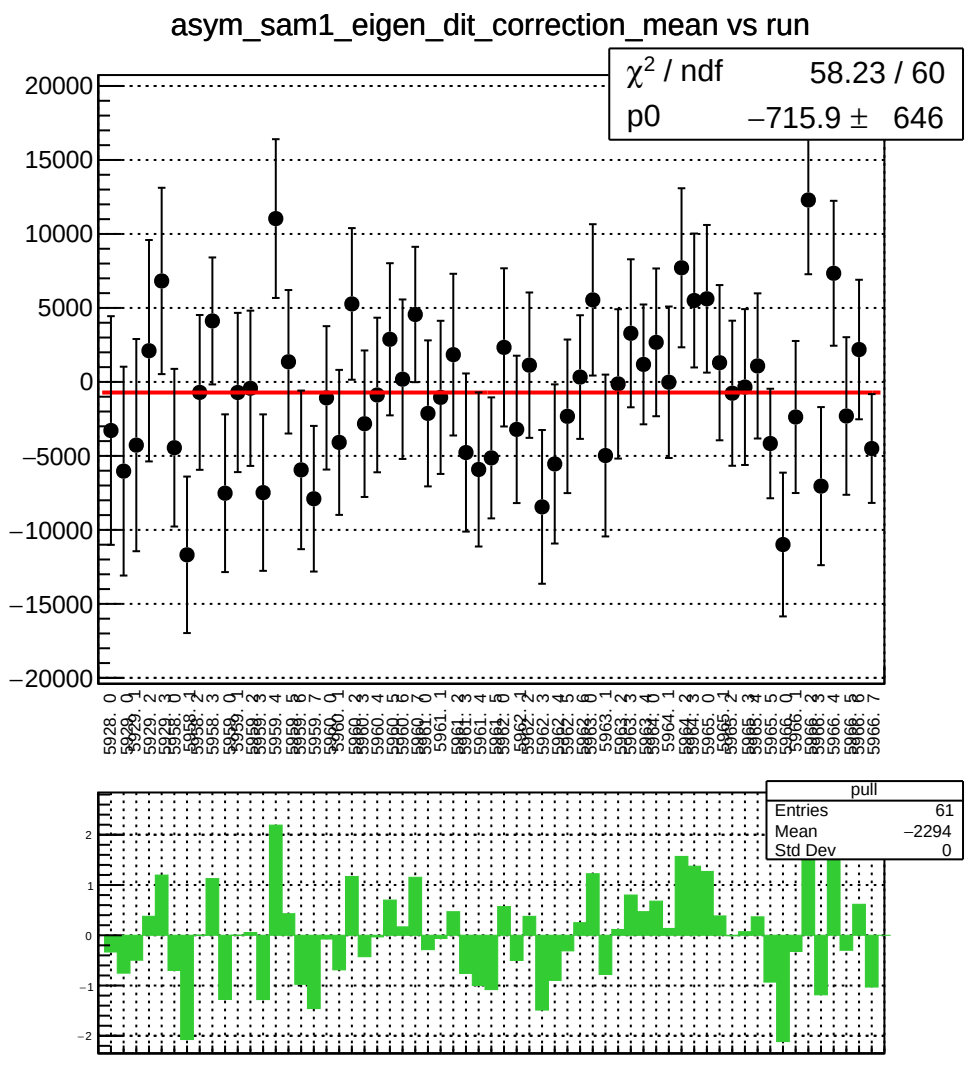

pull1D
Entries 61
Mean −0.001121
Std Dev 0.977

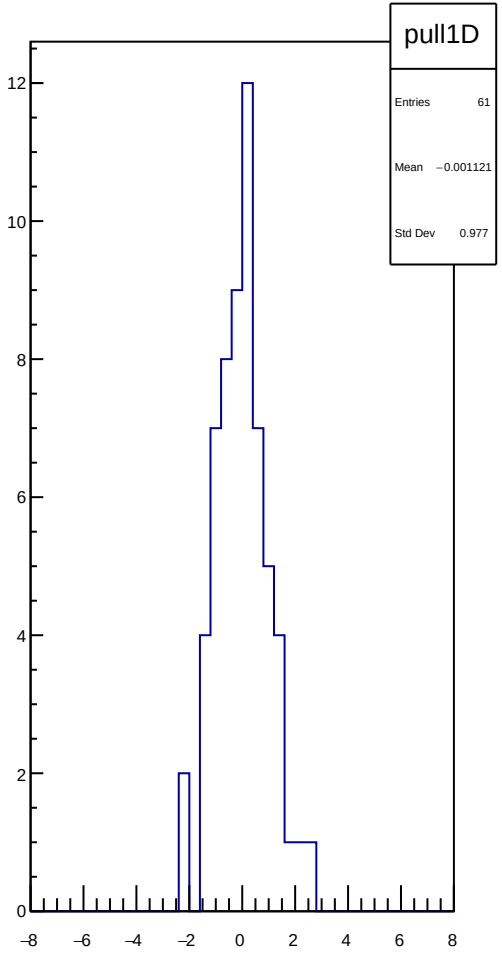

asym_sam1_dit_correction_rms vs run
χ² / ndf 1.045e+04 / 60
p0 496.7 ± 0.4568
800
750
700
650
600
550
500
450

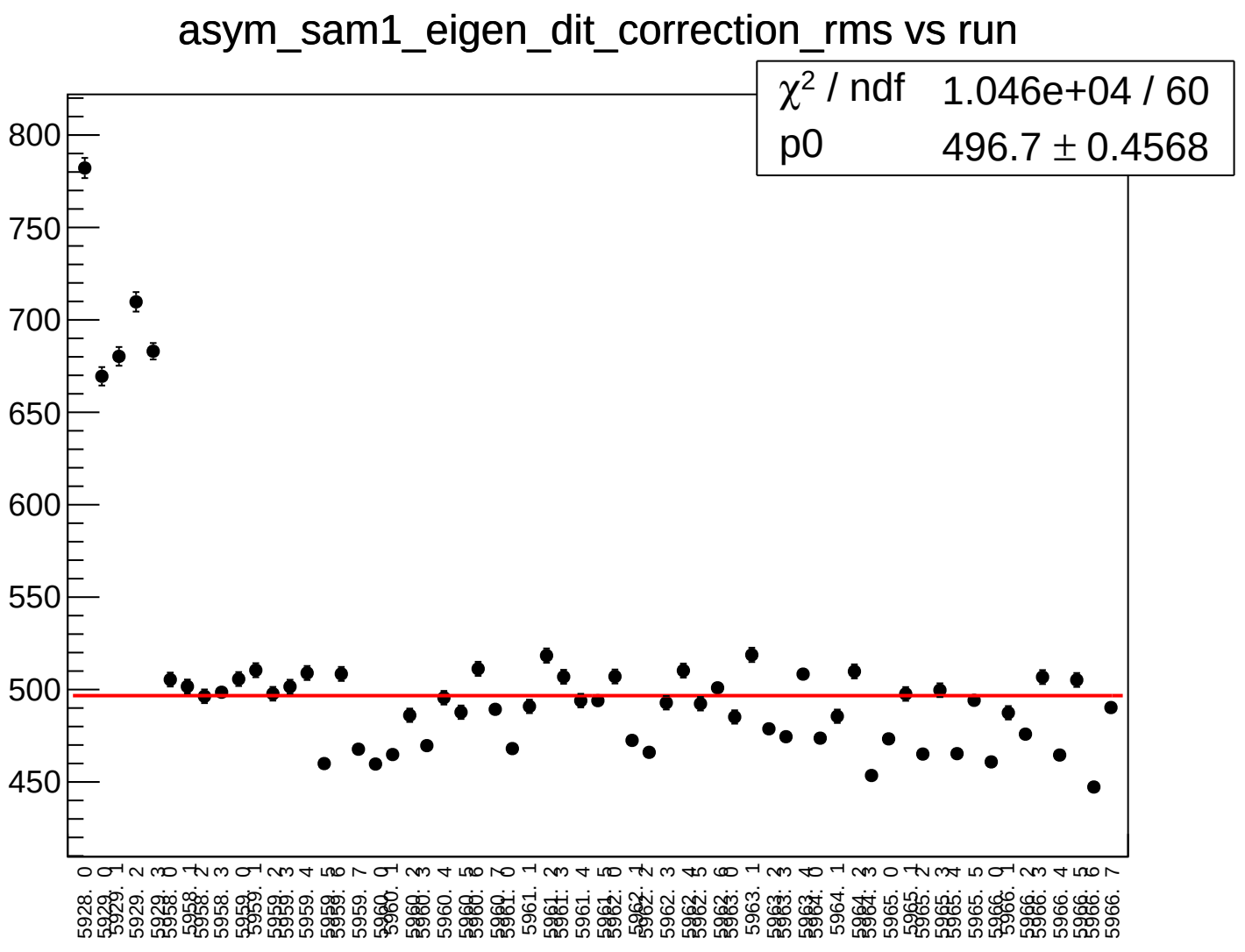

eigen_dit_asym_sam1_mean vs run
χ² / ndf 47.79 / 60
p0 −50.92 ± 98.55
pull
Entries 61
Mean −376.8
Std Dev 0

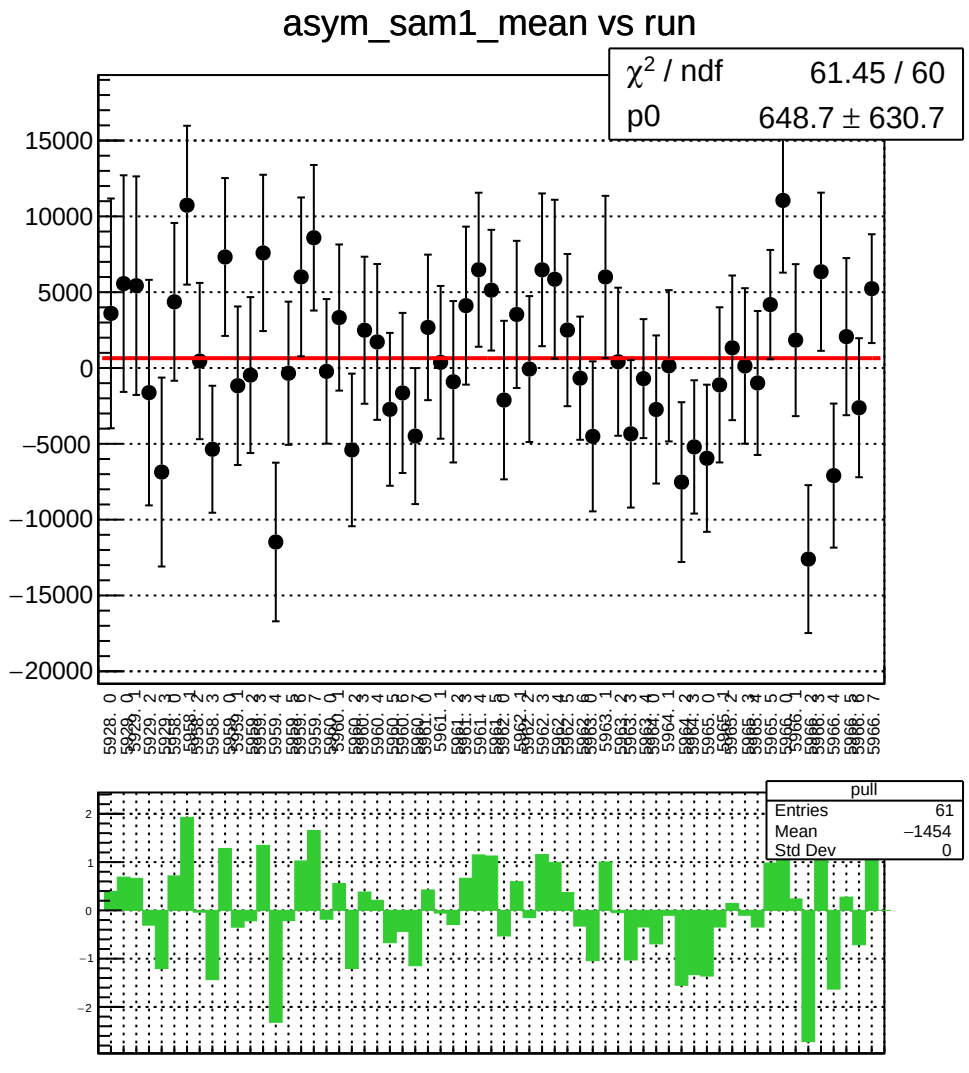

pull1D
Entries 61
Mean −0.005126
Std Dev 0.8851

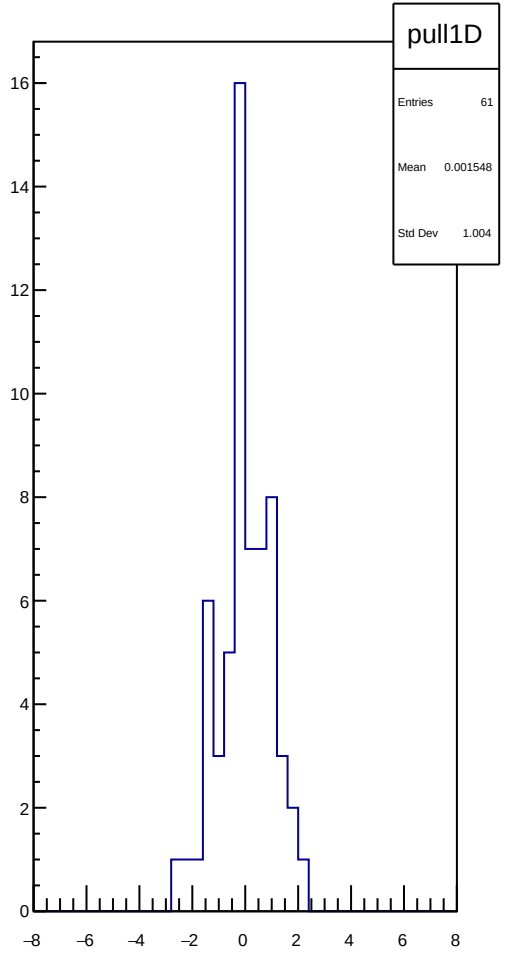

eigen_dit_asym_sam1_rms vs run
χ² / ndf 825.6 / 60
p0 76.08 ± 0.06969
95
90
85
80
75

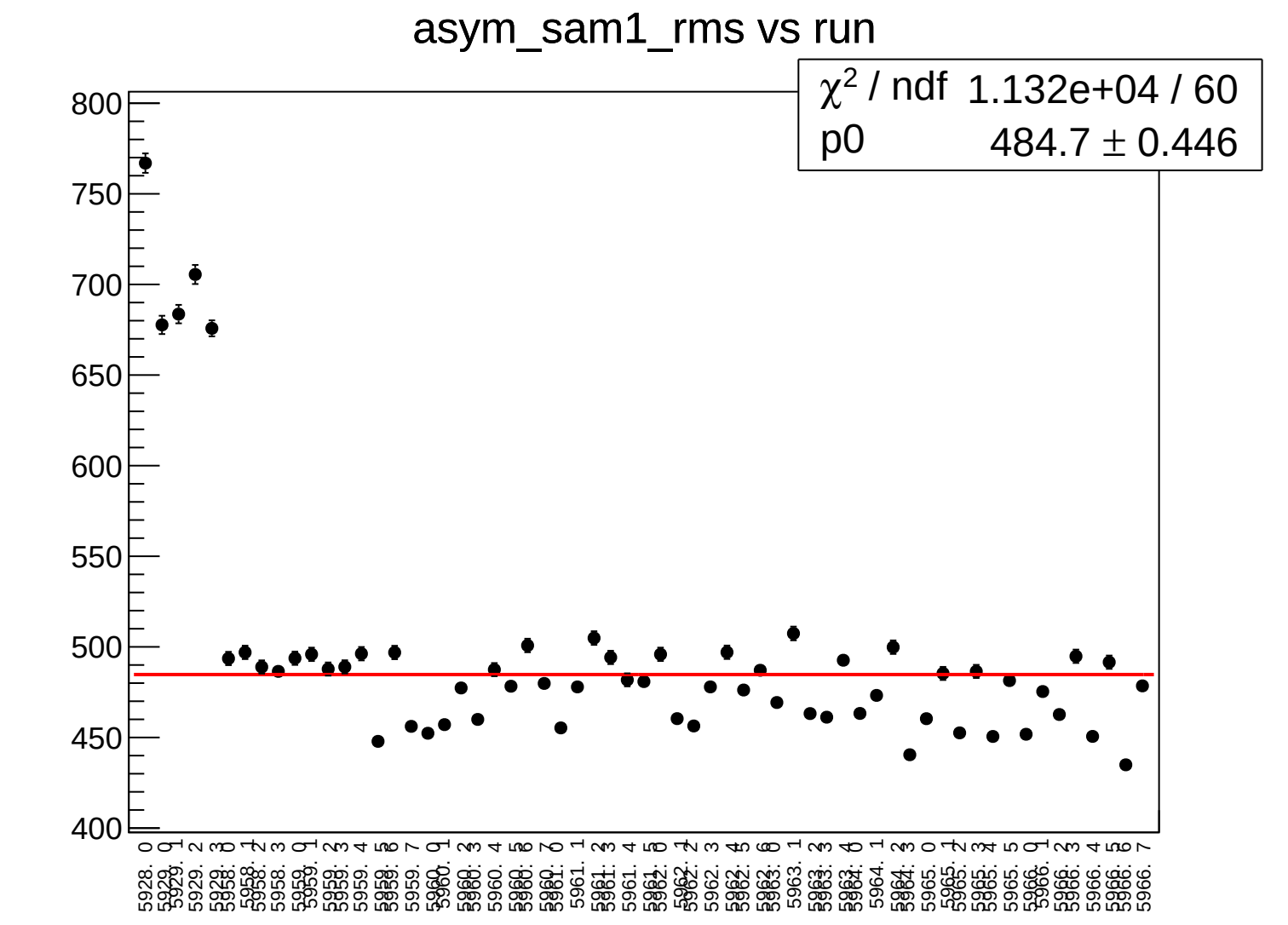

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 58.23 / 60
p0 −715.9 ± 646
pull
Entries 61
Mean −2294
Std Dev 0

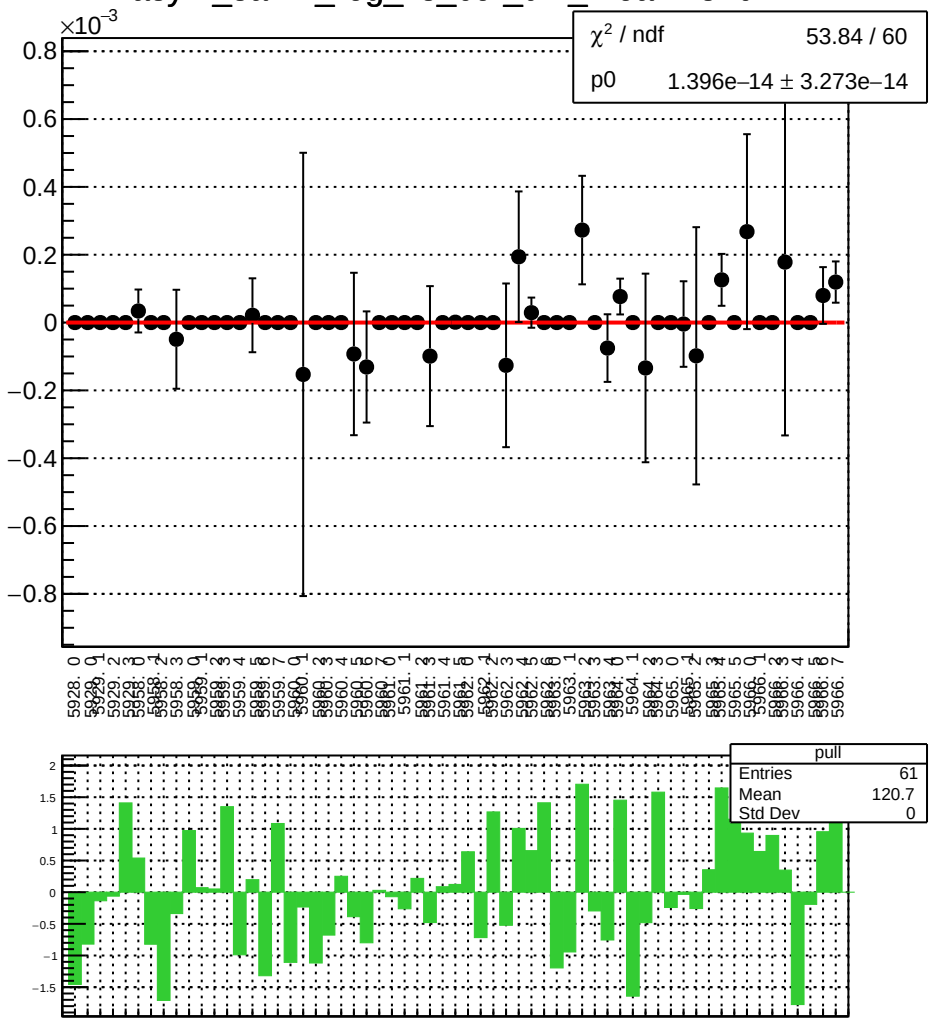

pull1D
Entries 61
Mean −0.001121
Std Dev 0.977

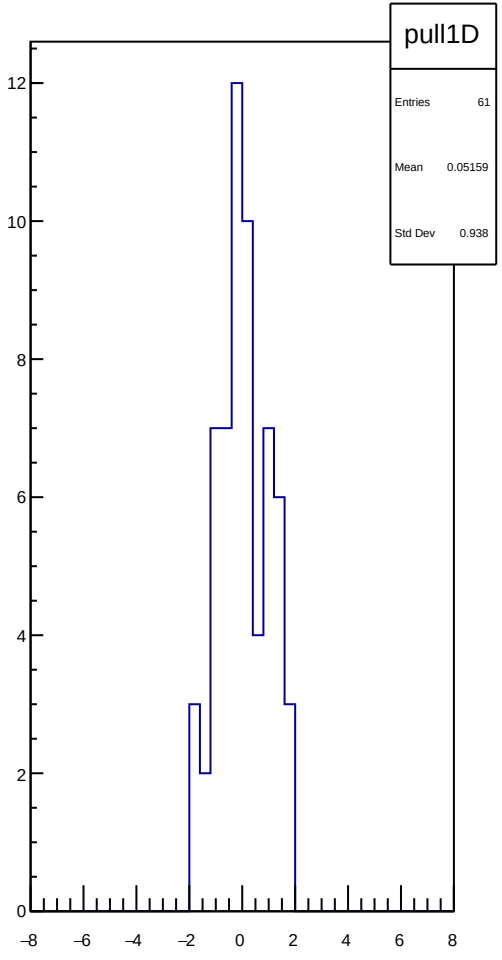

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1.046e+04 / 60
p0 496.7 ± 0.4568
800
750
700
650
600
550
500
450

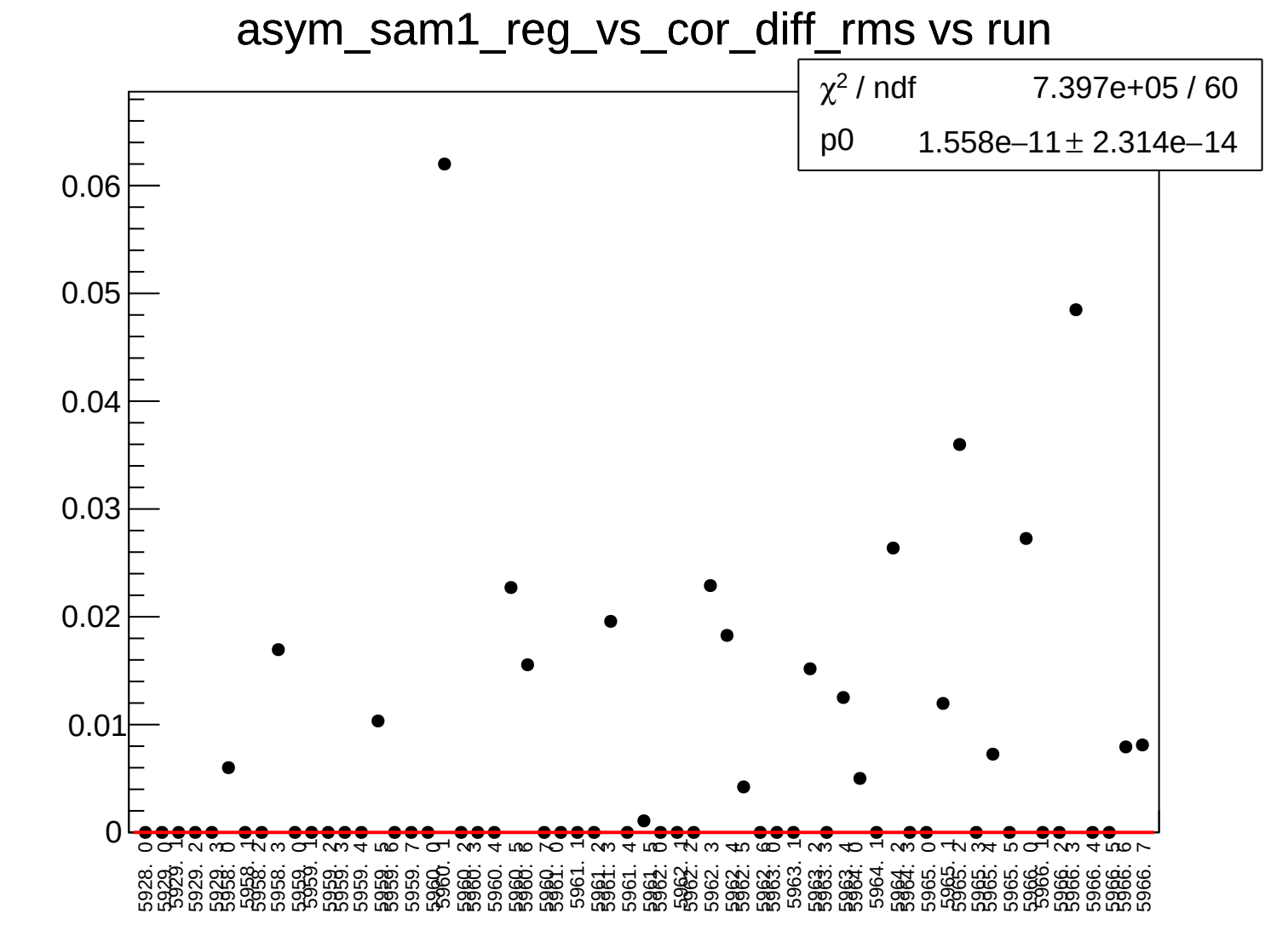

asym_sam1_mean vs run
χ² / ndf 61.45 / 60
p0 648.7 ± 630.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 61
Mean −1454
Std Dev 0
2
1
0
−1
−2

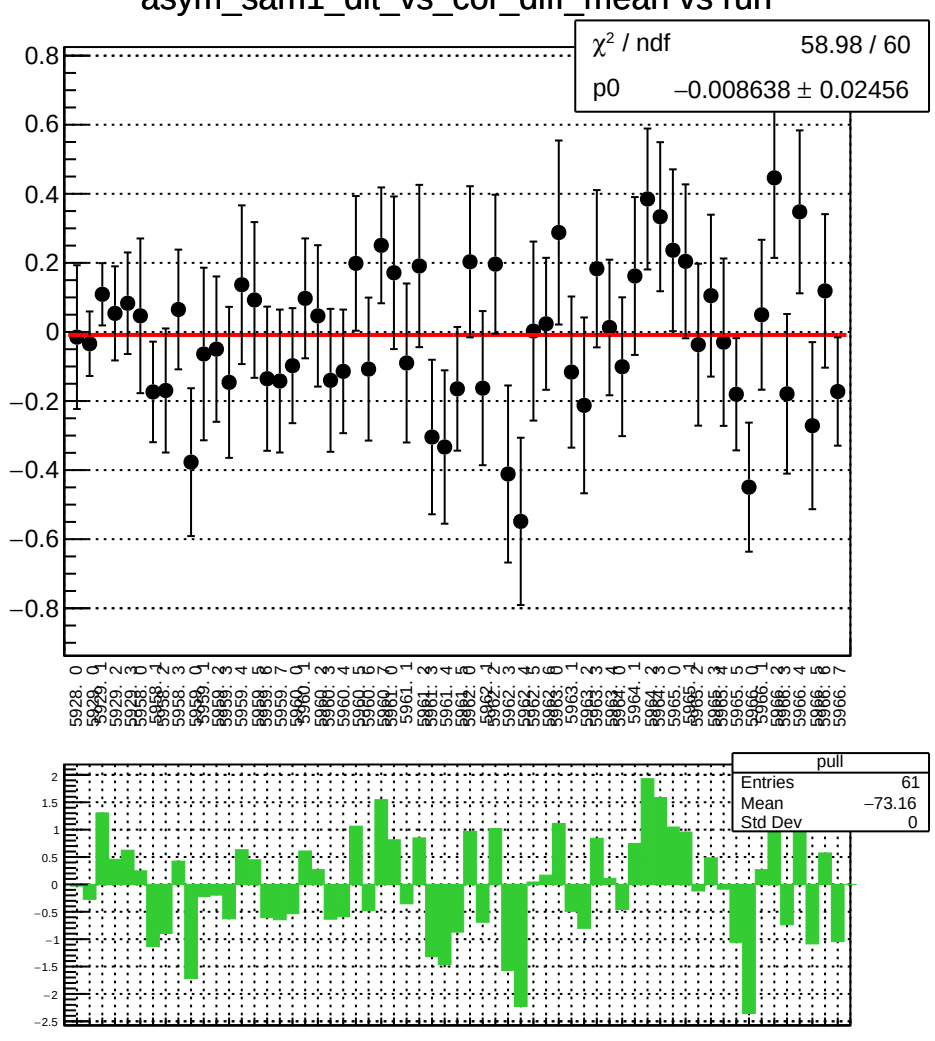

pull1D
Entries 61
Mean 0.001548
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

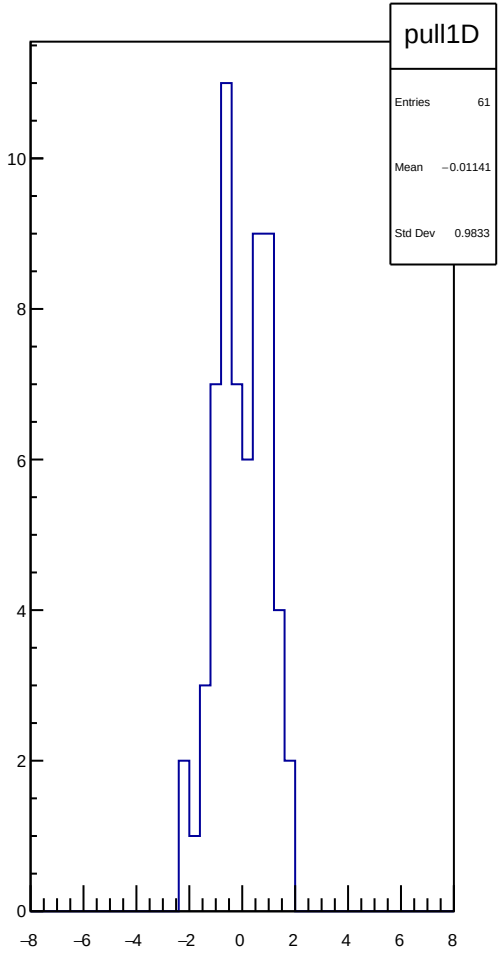

asym_sam1_rms vs run
χ^2 / ndf 1.132e+04 / 60
p0 484.7 ± 0.446
800
750
700
650
600
550
500
450
400

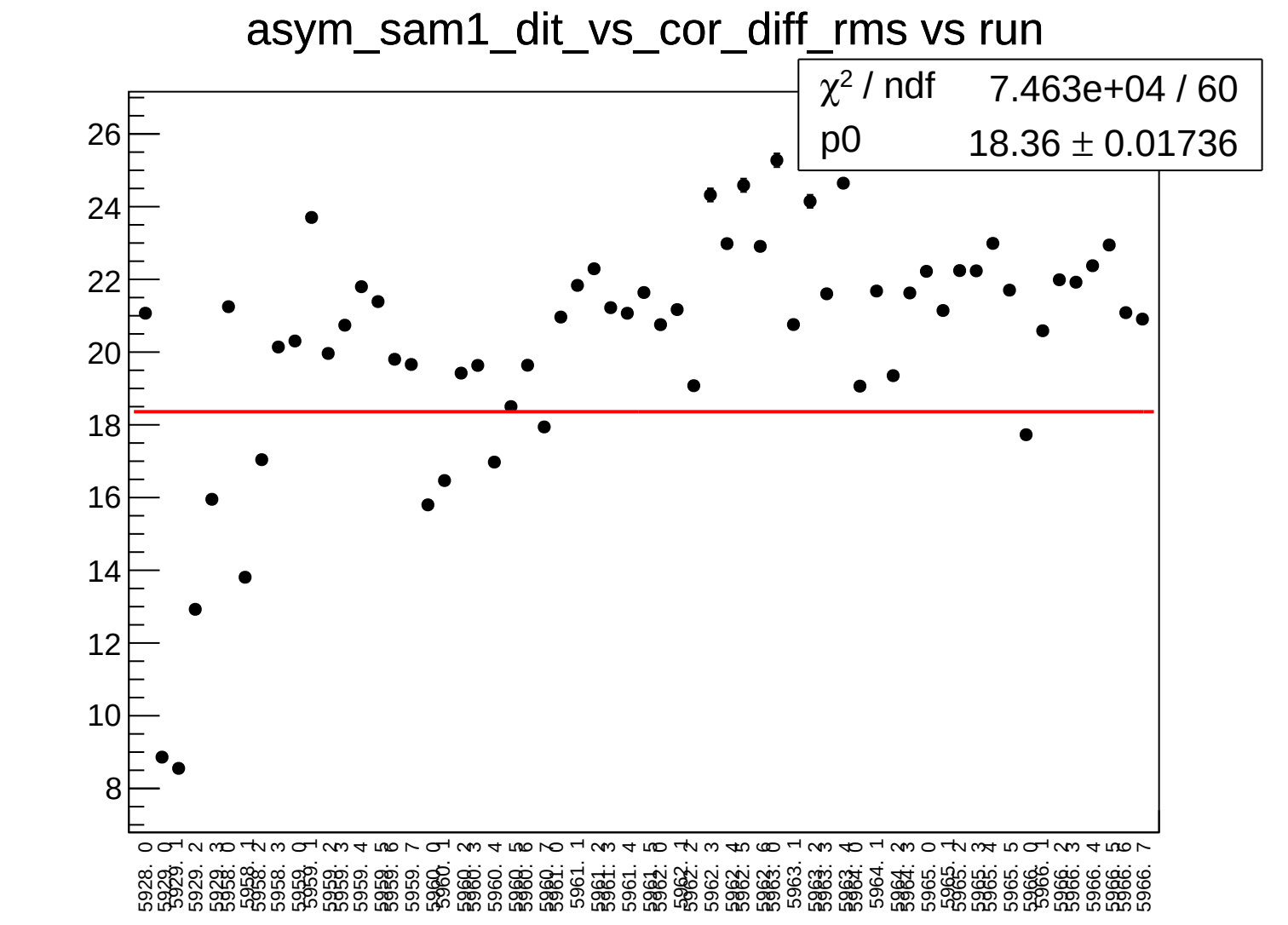

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 53.84 / 60
p0 1.396e−14 ± 3.273e−14
pull
Entries 61
Mean 120.7
Std Dev 0

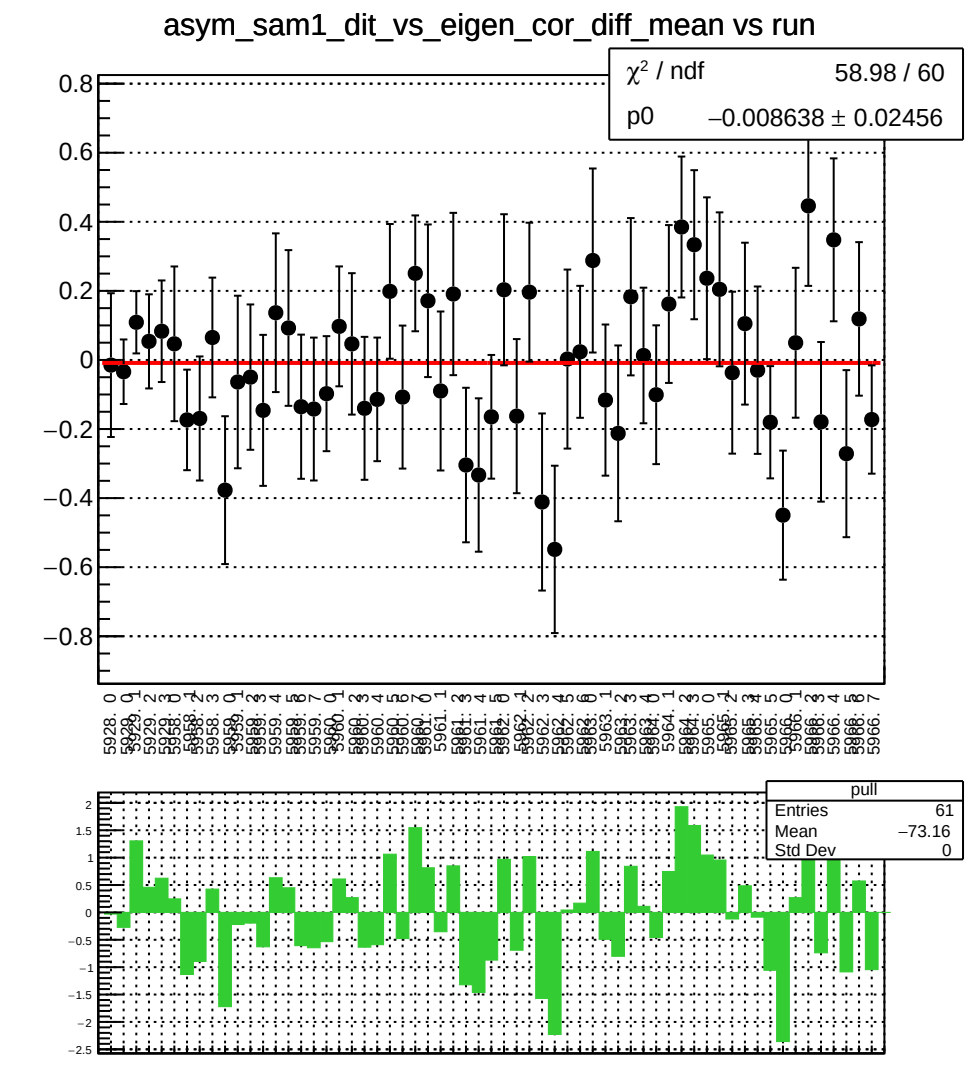

pull1D
Entries 61
Mean 0.05159
Std Dev 0.938

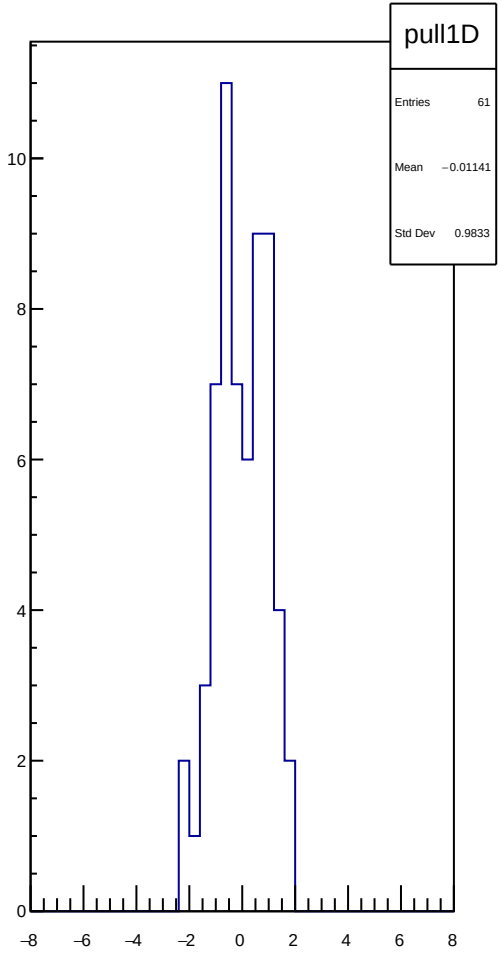

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.397e+05 / 60
p0 1.558e−11 ± 2.314e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

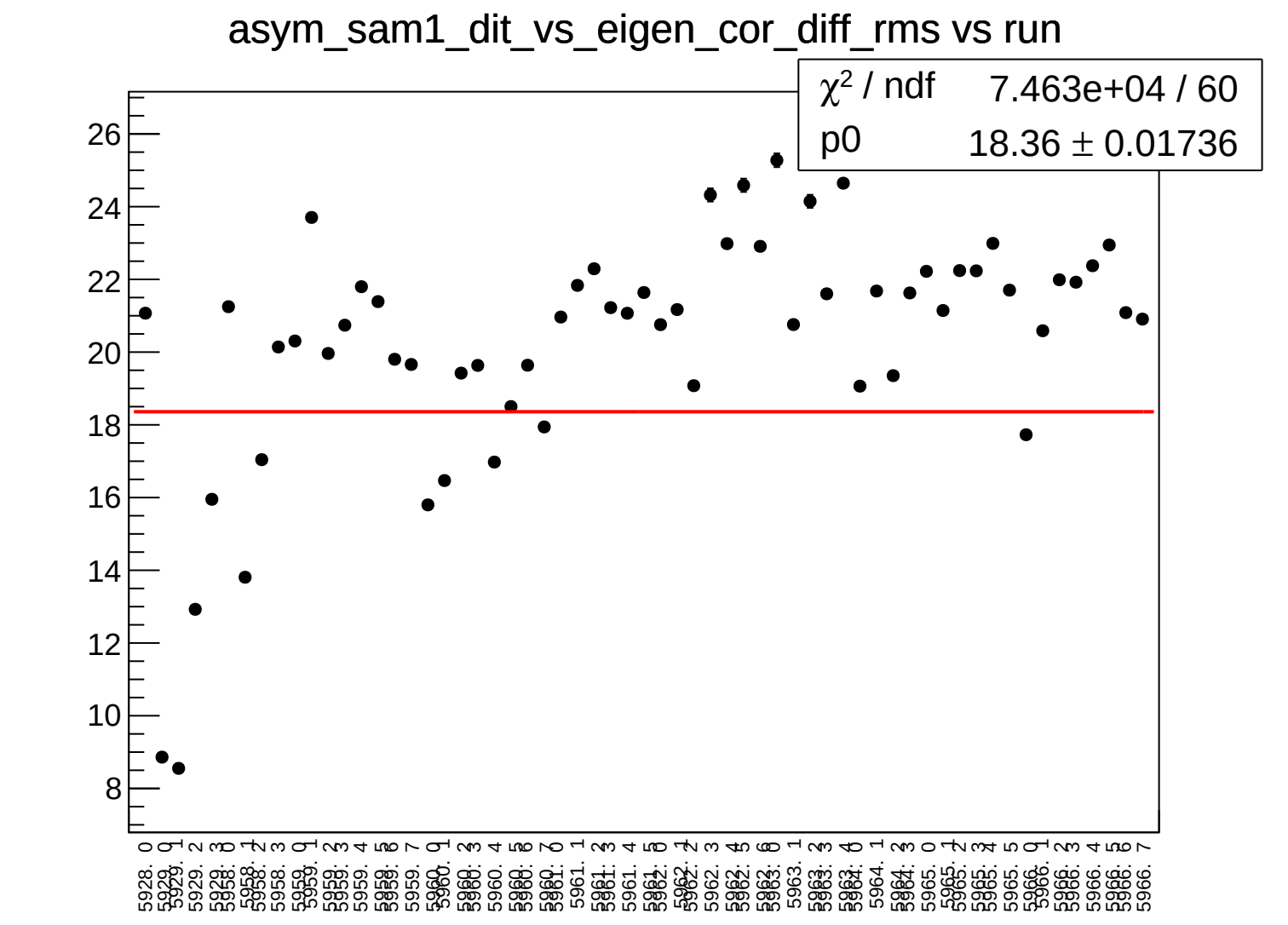

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 58.98 / 60
p0 −0.008638 ± 0.02456
pull
Entries 61
Mean −73.16
Std Dev 0

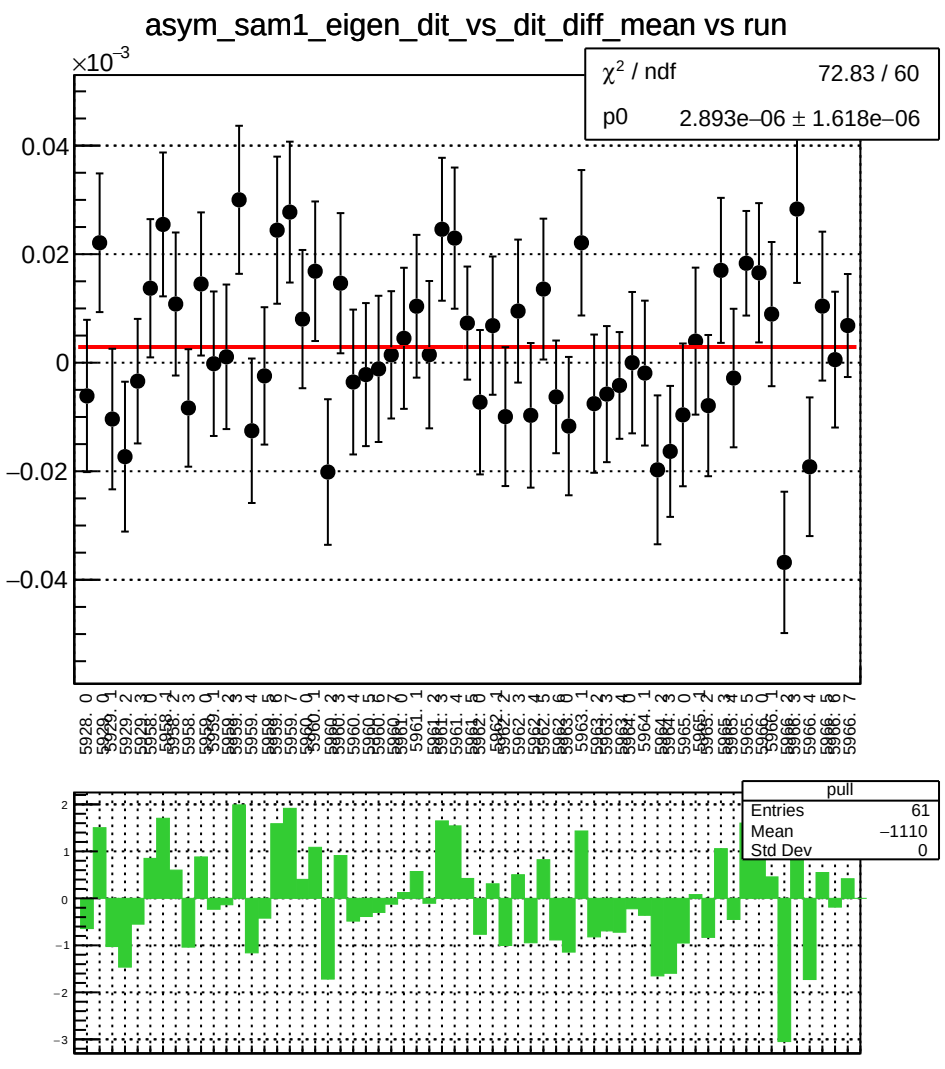

pull1D
Entries 61
Mean −0.01141
Std Dev 0.9833

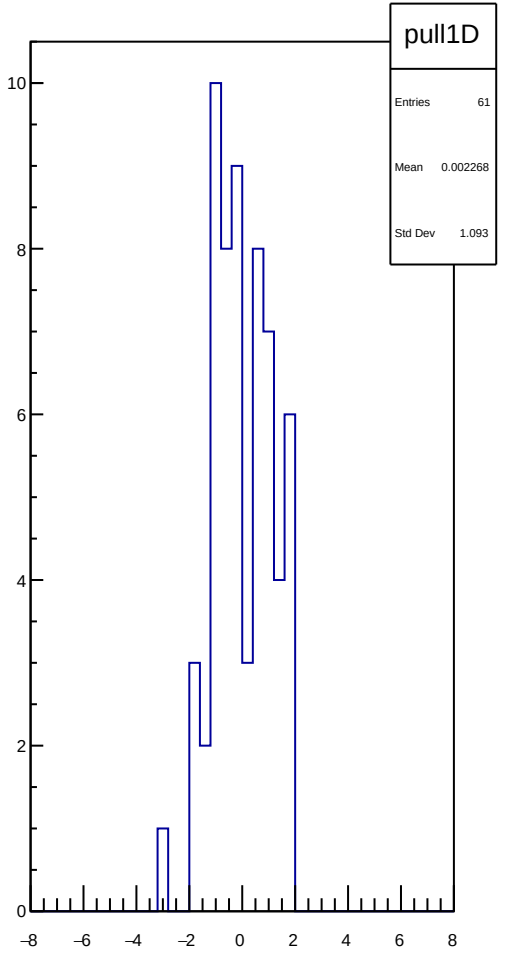

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.463e+04 / 60
p0 18.36 ± 0.01736
26
24
22
20
18
16
14
12
10
8

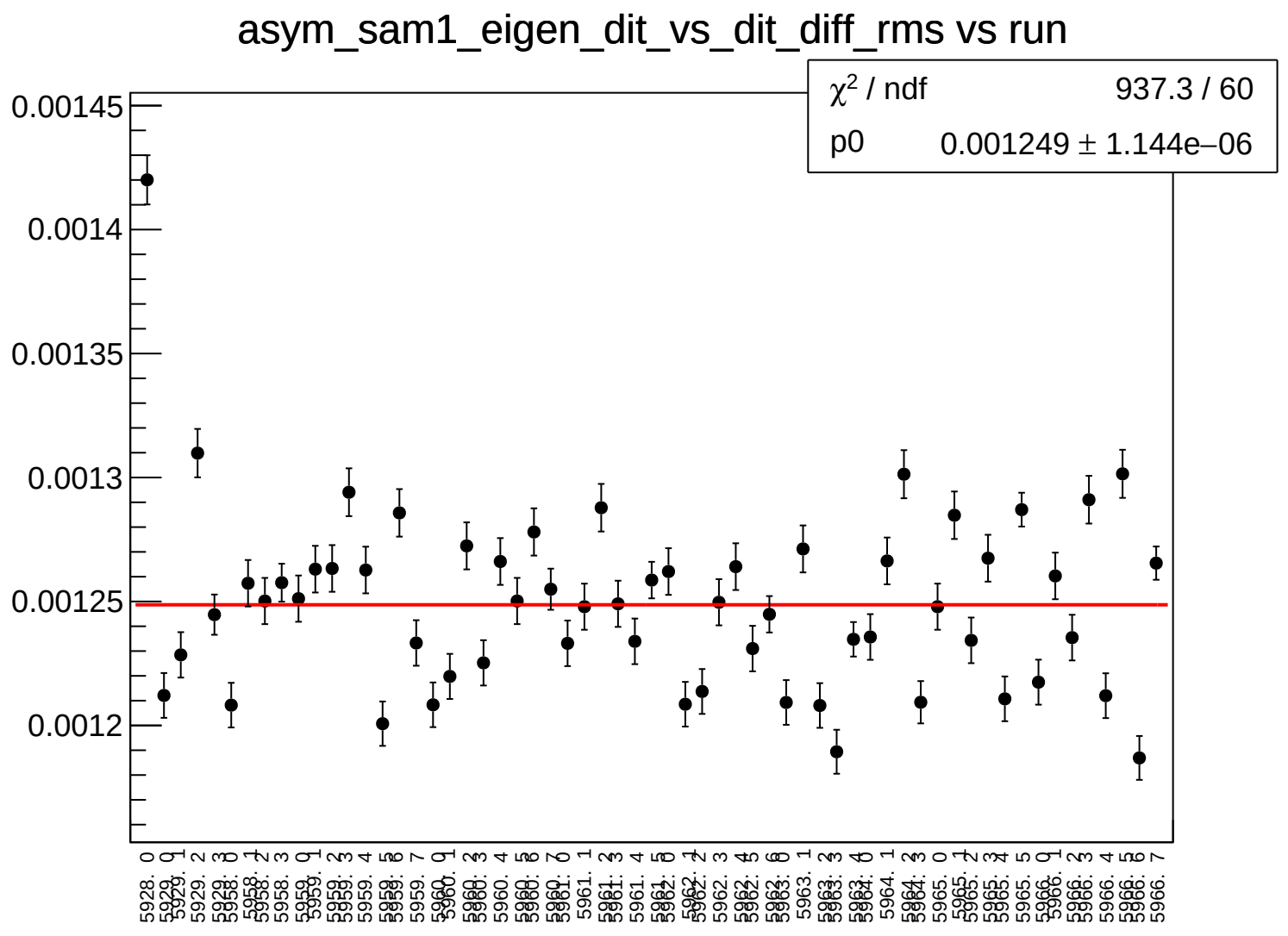

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.98 / 60
p0 −0.008638 ± 0.02456
pull
Entries 61
Mean −73.16
Std Dev 0

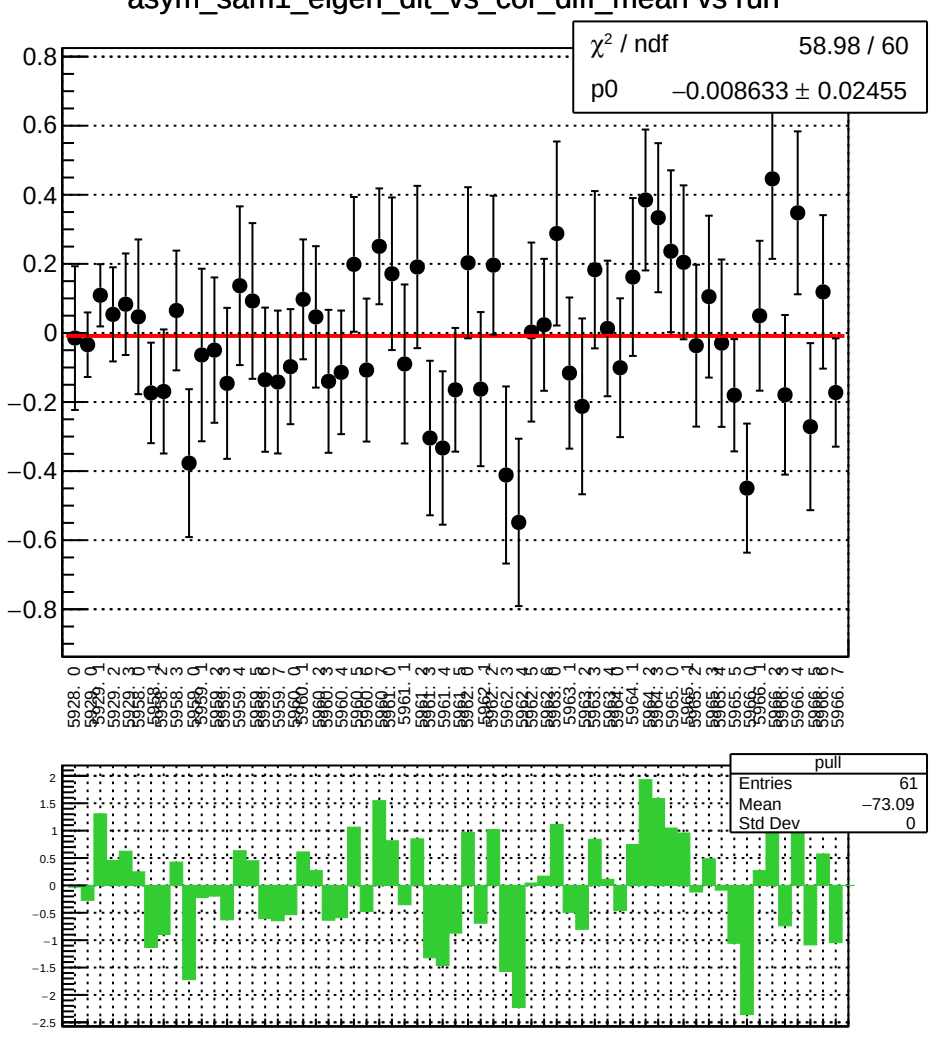

pull1D
Entries 61
Mean −0.01141
Std Dev 0.9833

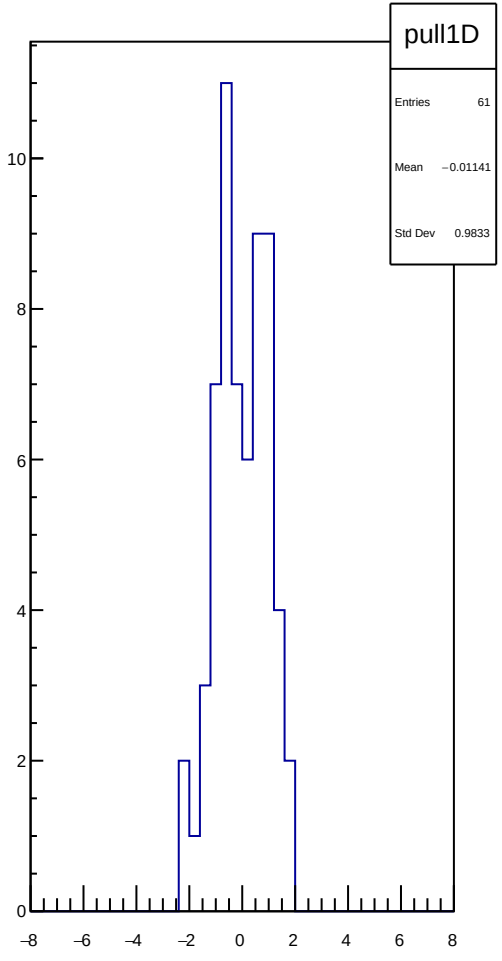

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.463e+04 / 60
p0 18.36 ± 0.01736
26
24
22
20
18
16
14
12
10
8

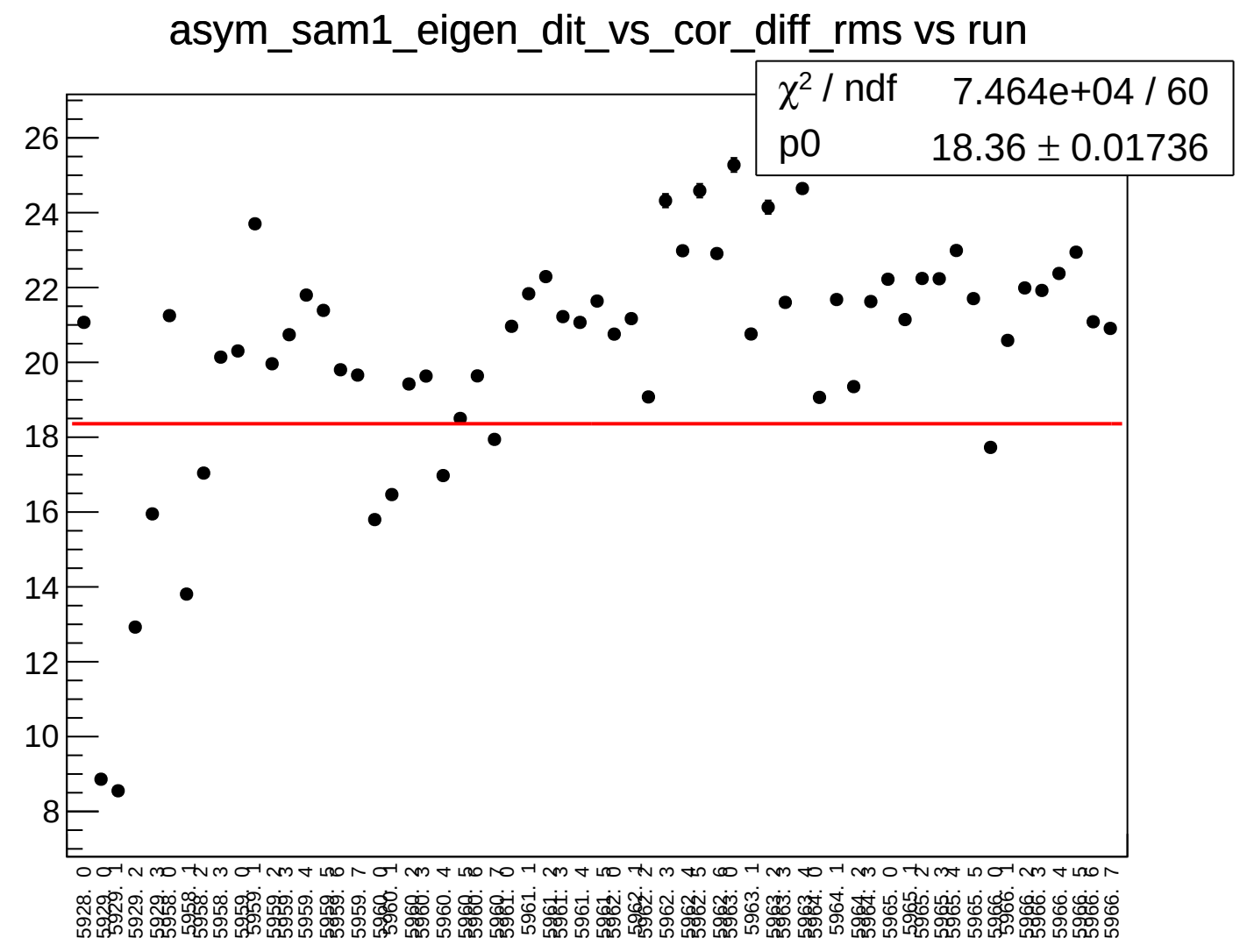

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 72.83 / 60
p0 2.893e−06 ± 1.618e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 61
Mean −1110
Std Dev 0
2
1
0
−1
−2
−3

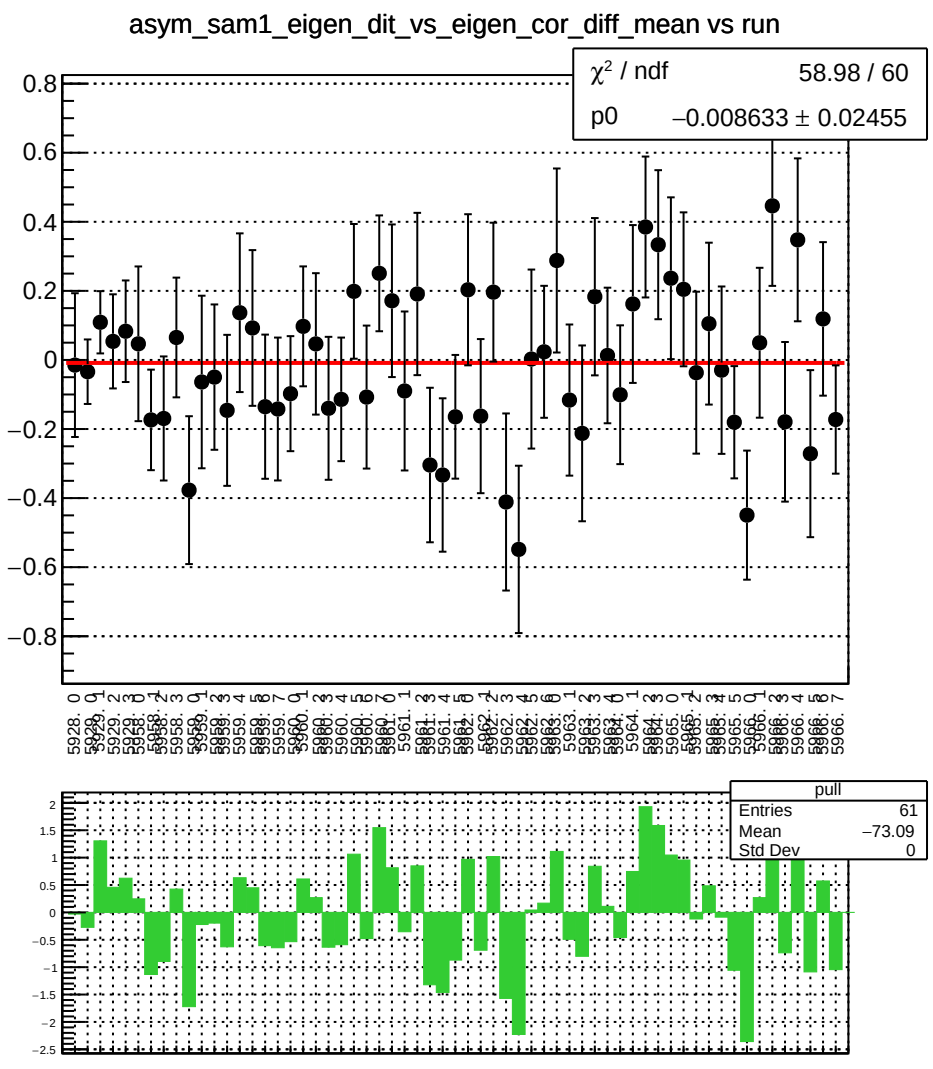

pull1D
Entries 61
Mean 0.002268
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

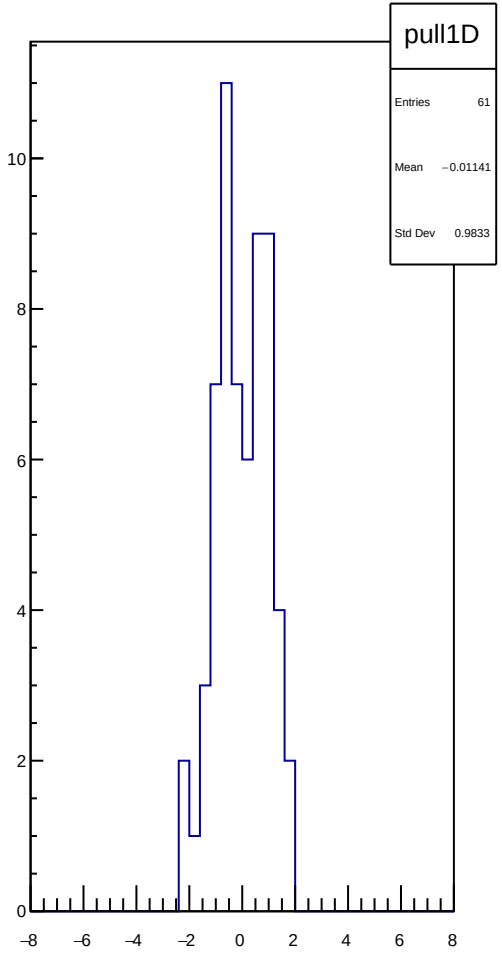

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 937.3 / 60
p0 0.001249 ± 1.144e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012

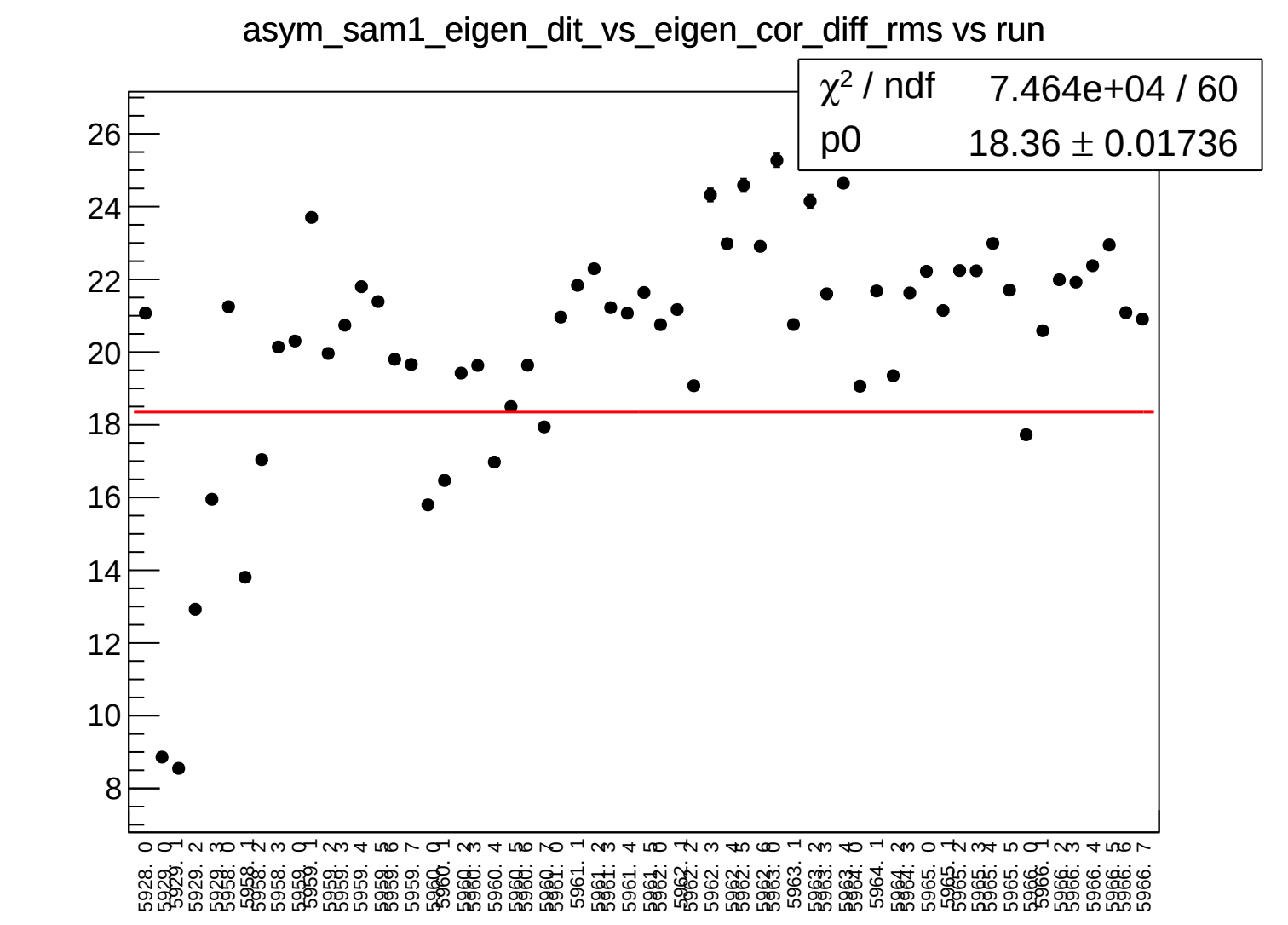

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.98 / 60
p0 −0.008633 ± 0.02455
pull
Entries 61
Mean −73.09
Std Dev 0

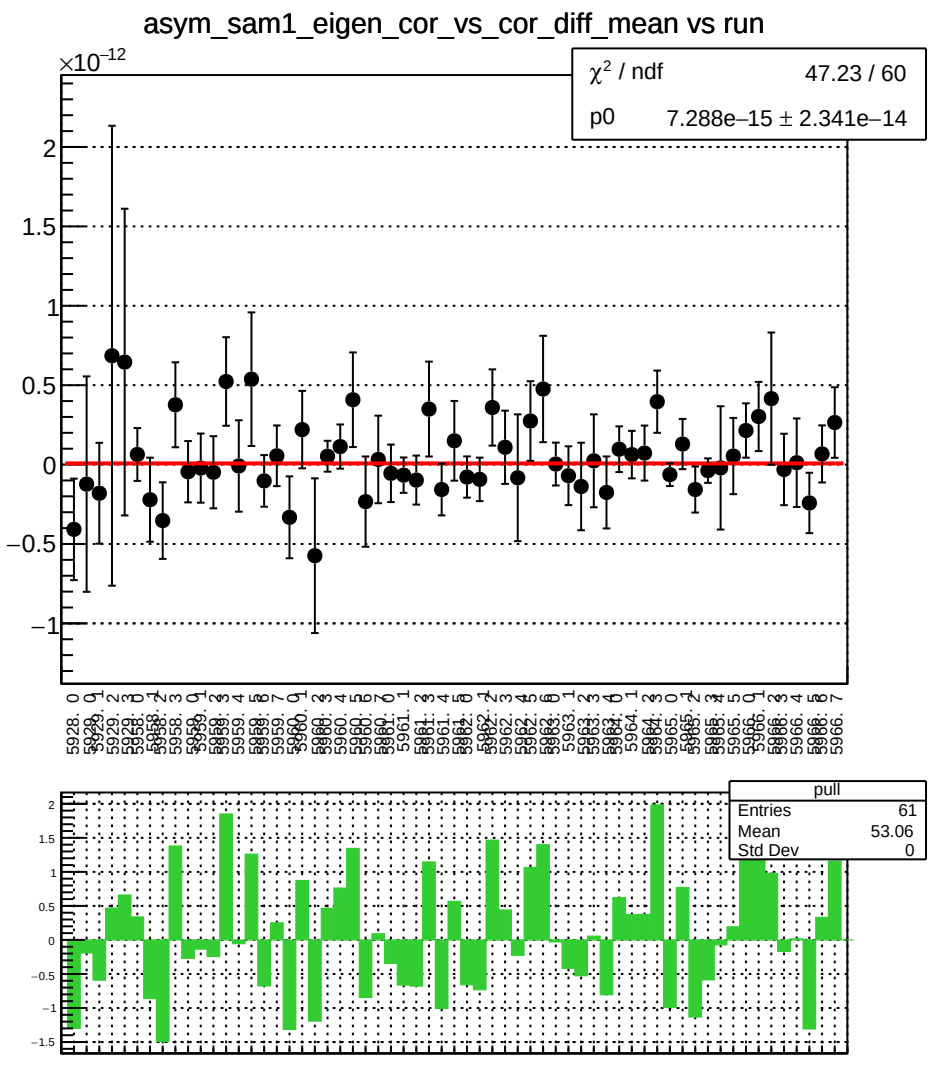

pull1D
Entries 61
Mean −0.01141
Std Dev 0.9833

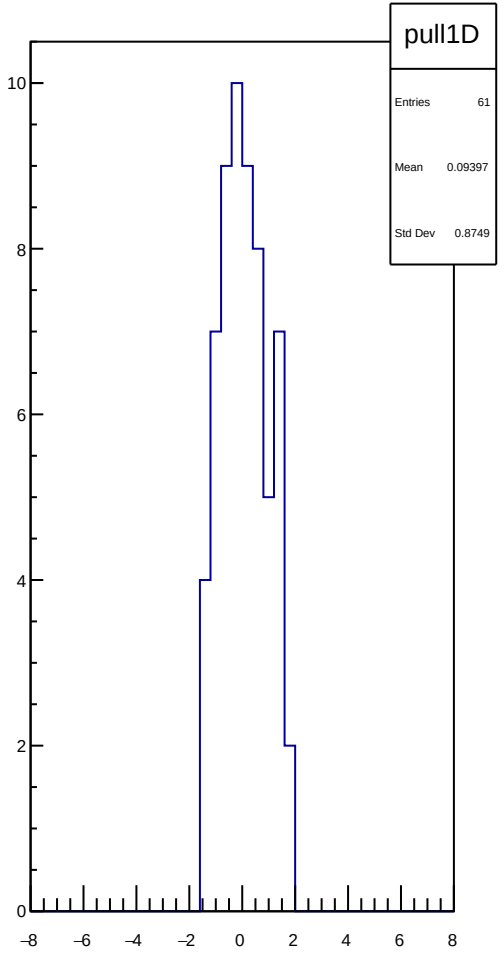

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.464e+04 / 60
p0 18.36 ± 0.01736
26
24
22
20
18
16
14
12
10
8

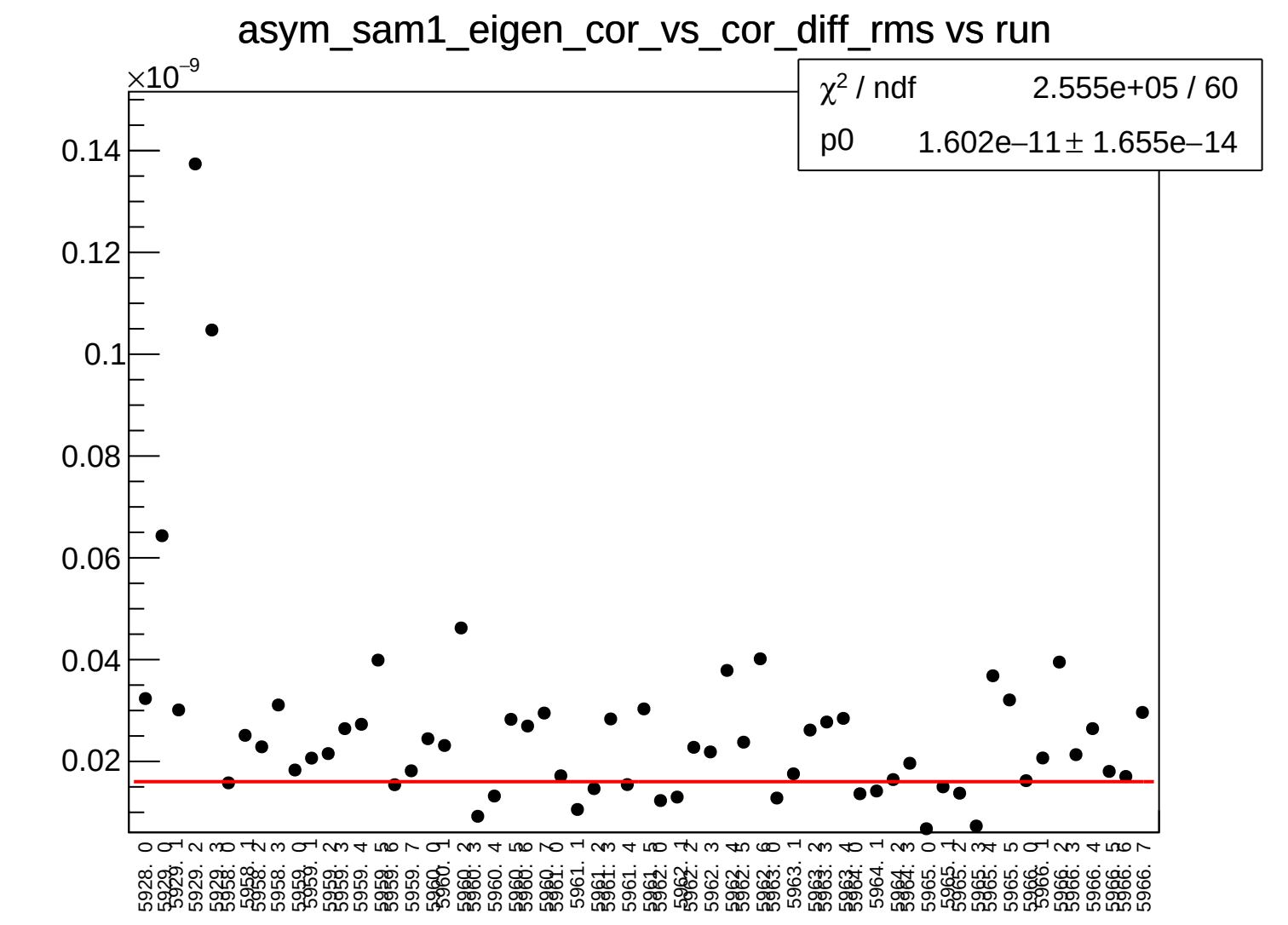

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.98 / 60
p0 −0.008633 ± 0.02455
pull
Entries 61
Mean −73.09
Std Dev 0

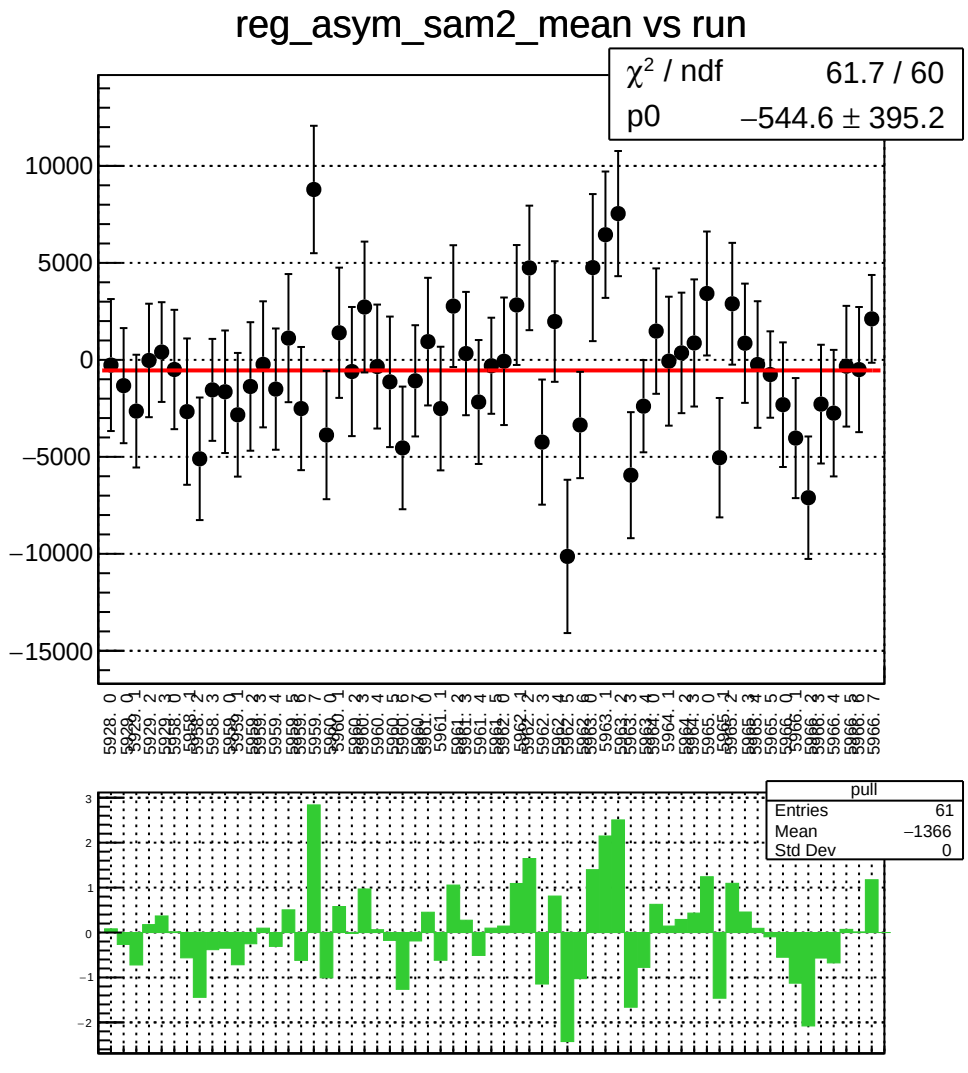

pull1D
Entries 61
Mean −0.01141
Std Dev 0.9833

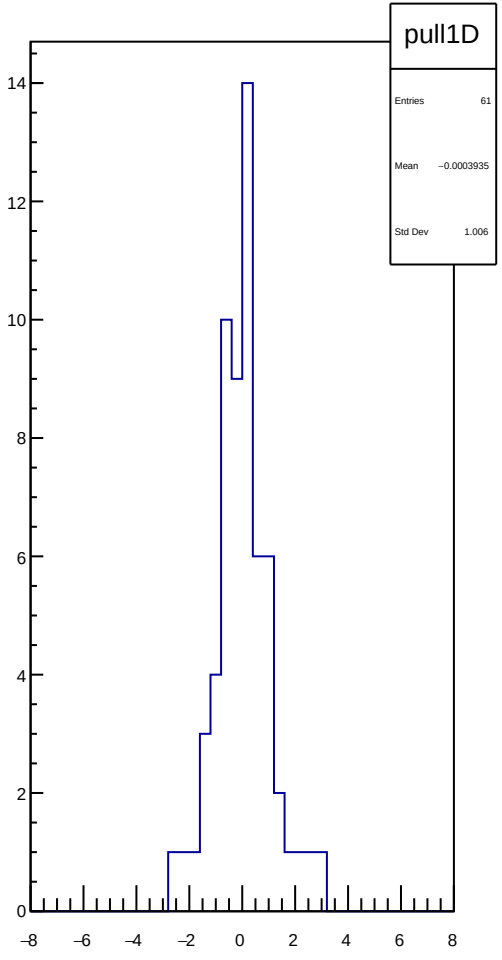

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.464e+04 / 60
p0 18.36 ± 0.01736
26
24
22
20
18
16
14
12
10
8

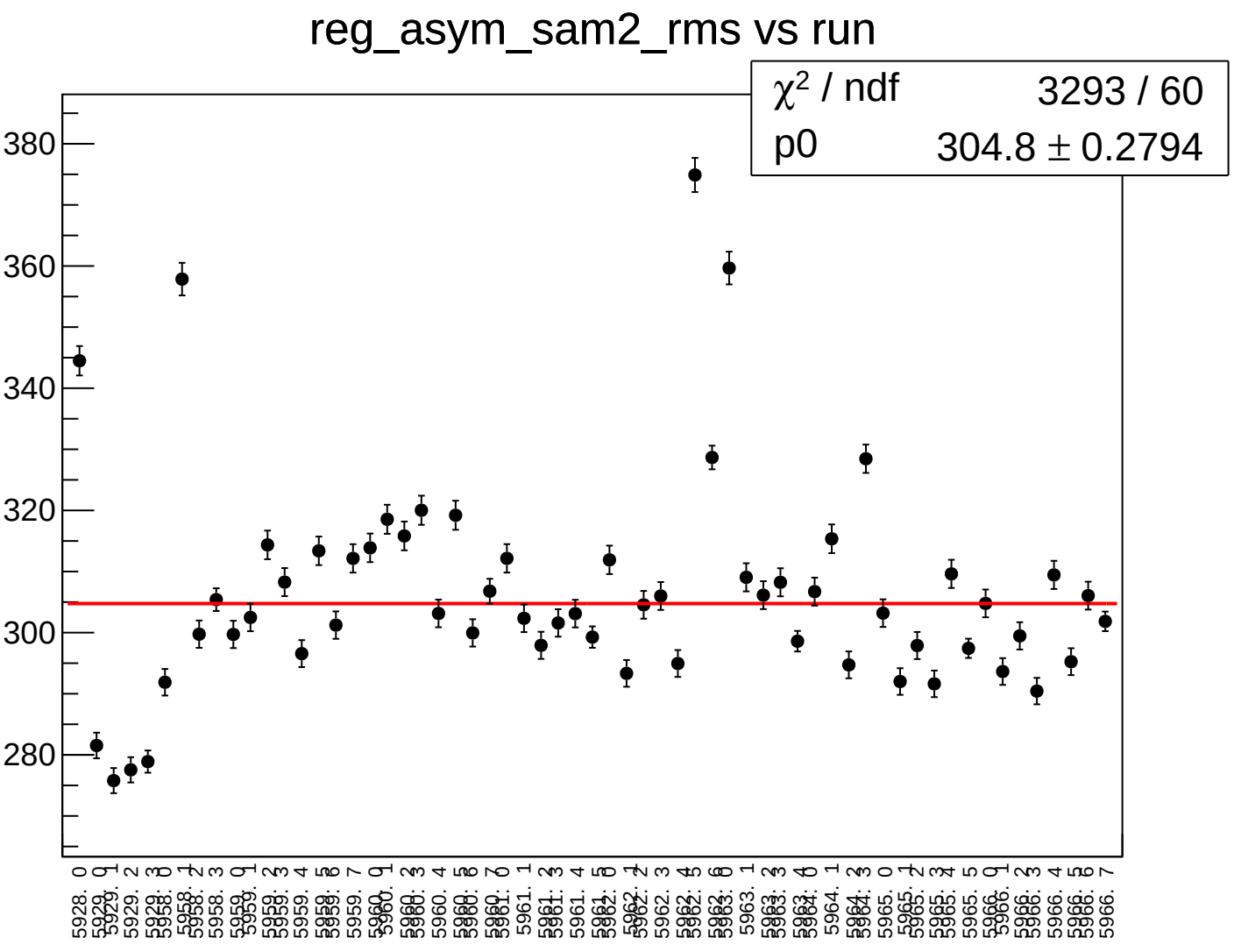

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.23 / 60
p0 7.288e−15 ± 2.341e−14
pull
Entries 61
Mean 53.06
Std Dev 0

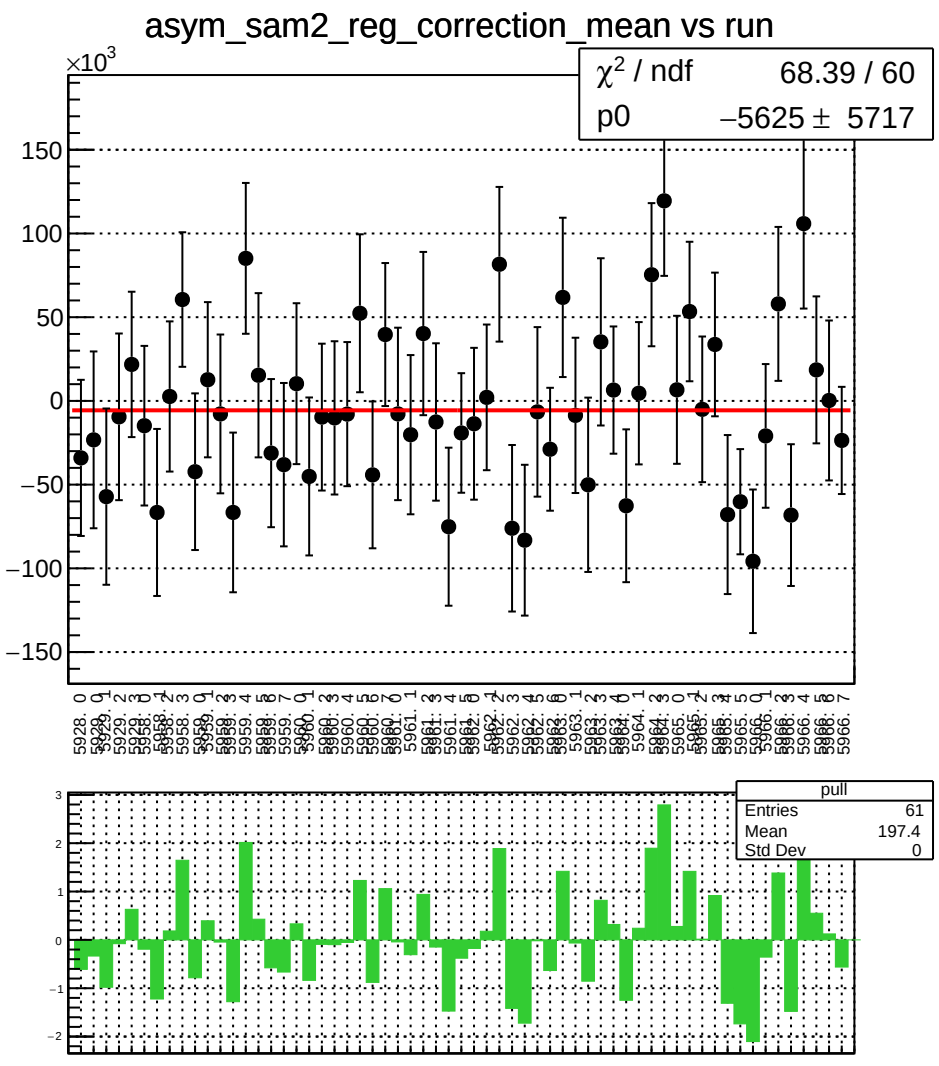

pull1D
Entries 61
Mean 0.09397
Std Dev 0.8749

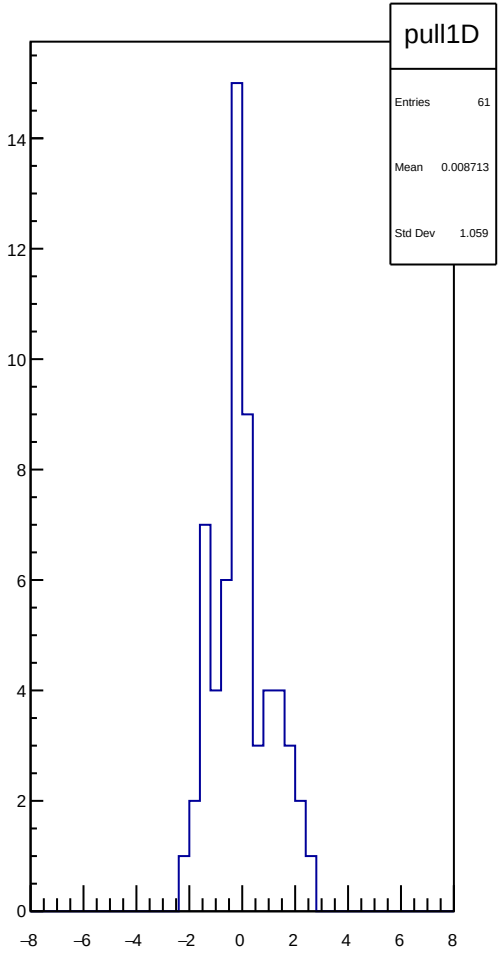

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.555e+05 / 60
p0 1.602e−11 ± 1.655e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

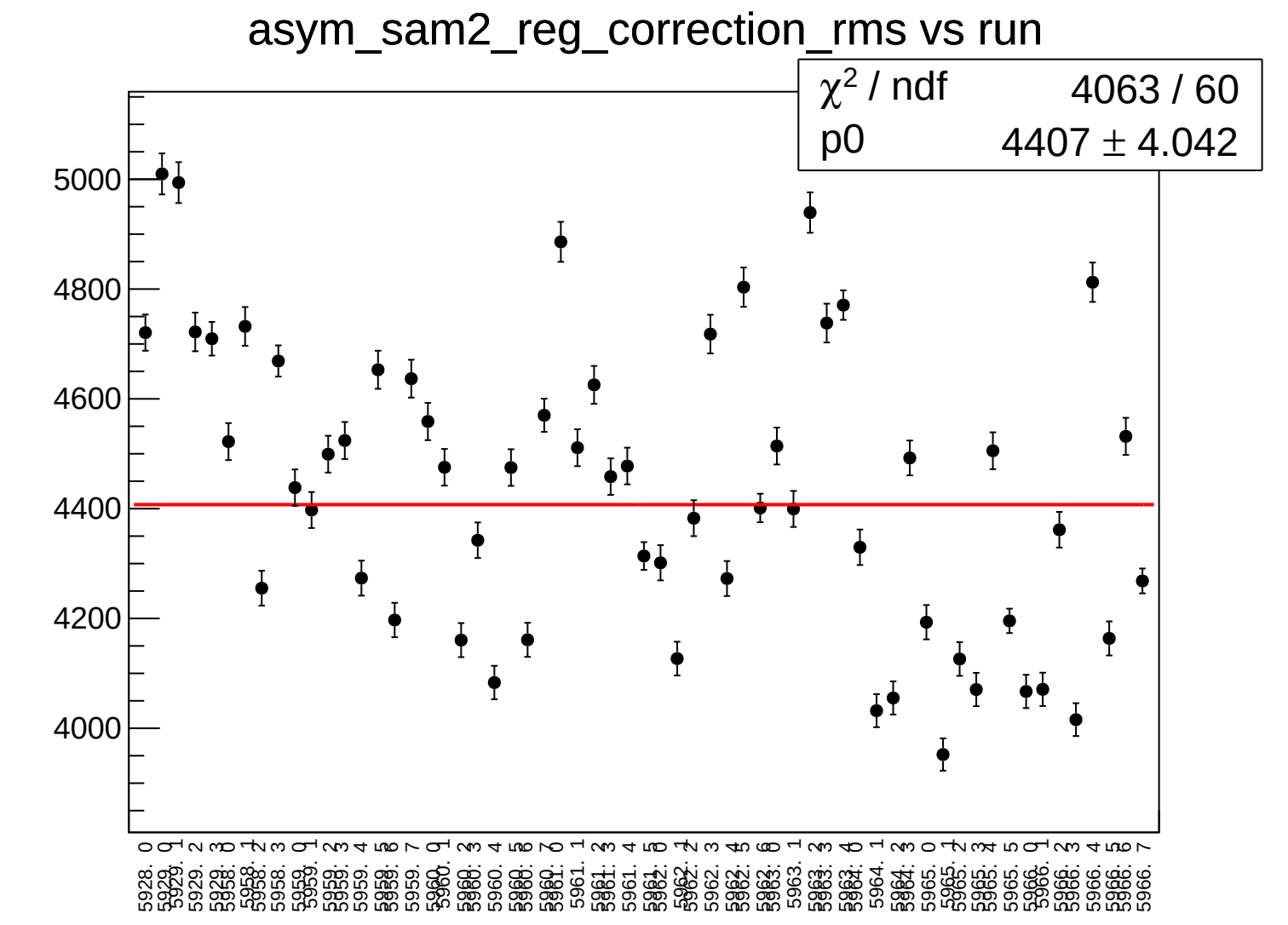

reg_asym_sam2_mean vs run
χ² / ndf 61.7 / 60
p0 −544.6 ± 395.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean −1366
Std Dev 0
3
2
1
0
−1
−2

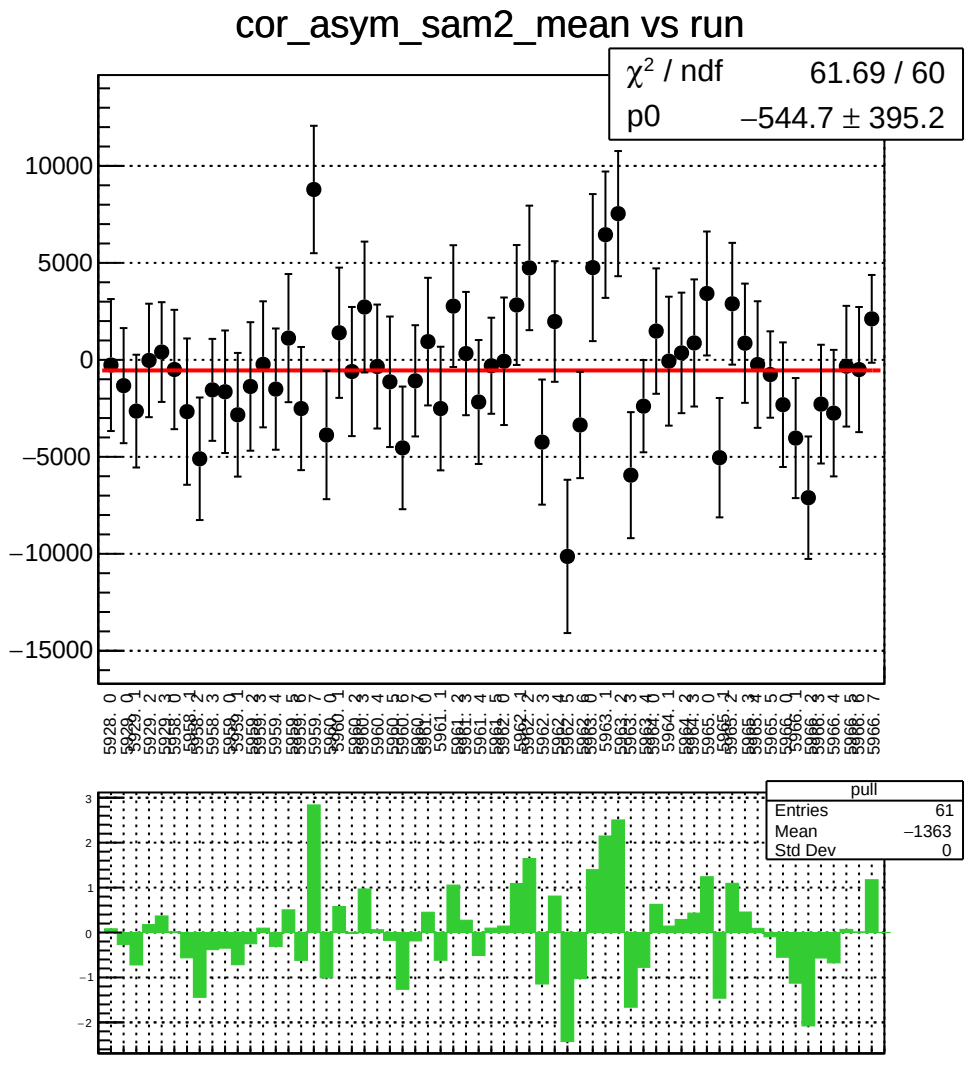

pull1D
Entries 61
Mean −0.0003935
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

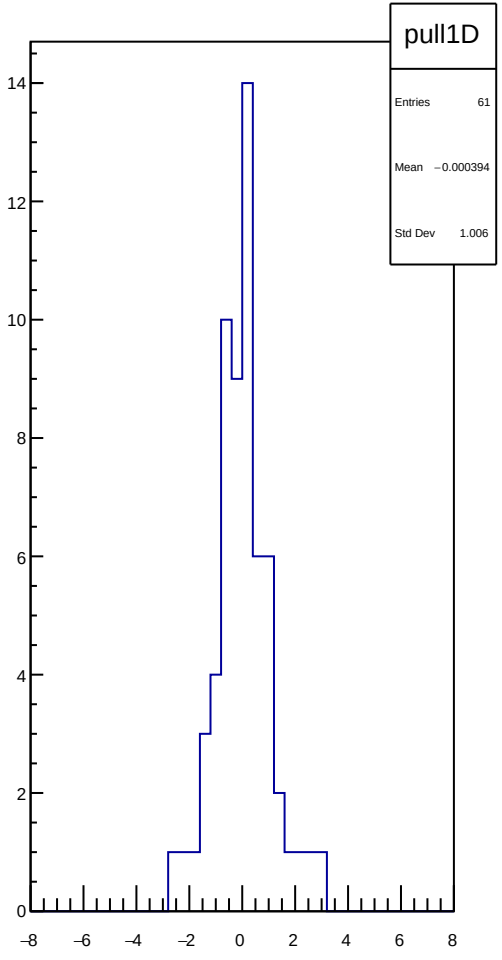

reg_asym_sam2_rms vs run
χ² / ndf 3293 / 60
p0 304.8 ± 0.2794
380
360
340
320
300
280

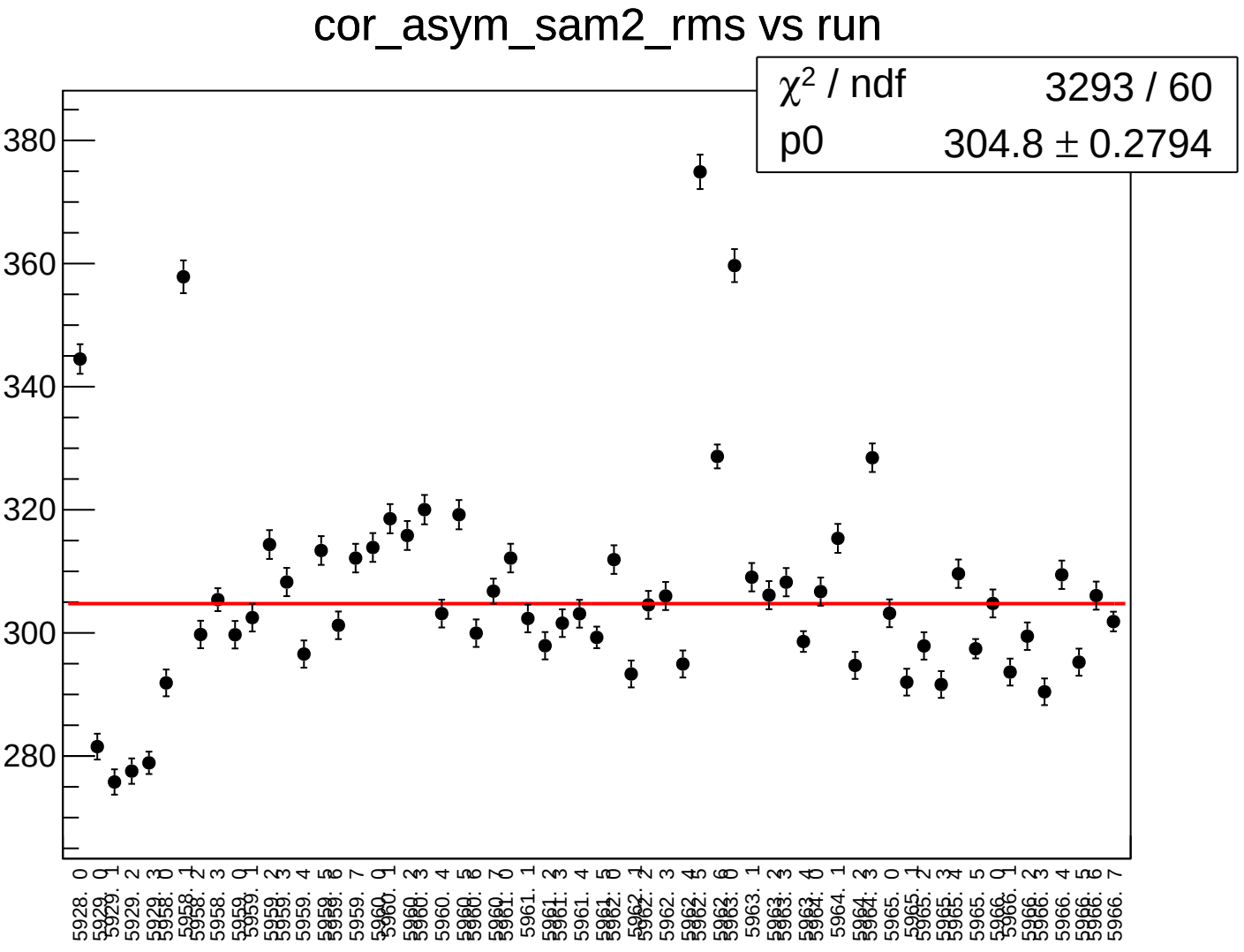

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 68.39 / 60
p0 −5625 ± 5717
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 197.4
Std Dev 0
3
2
1
0
−1
−2

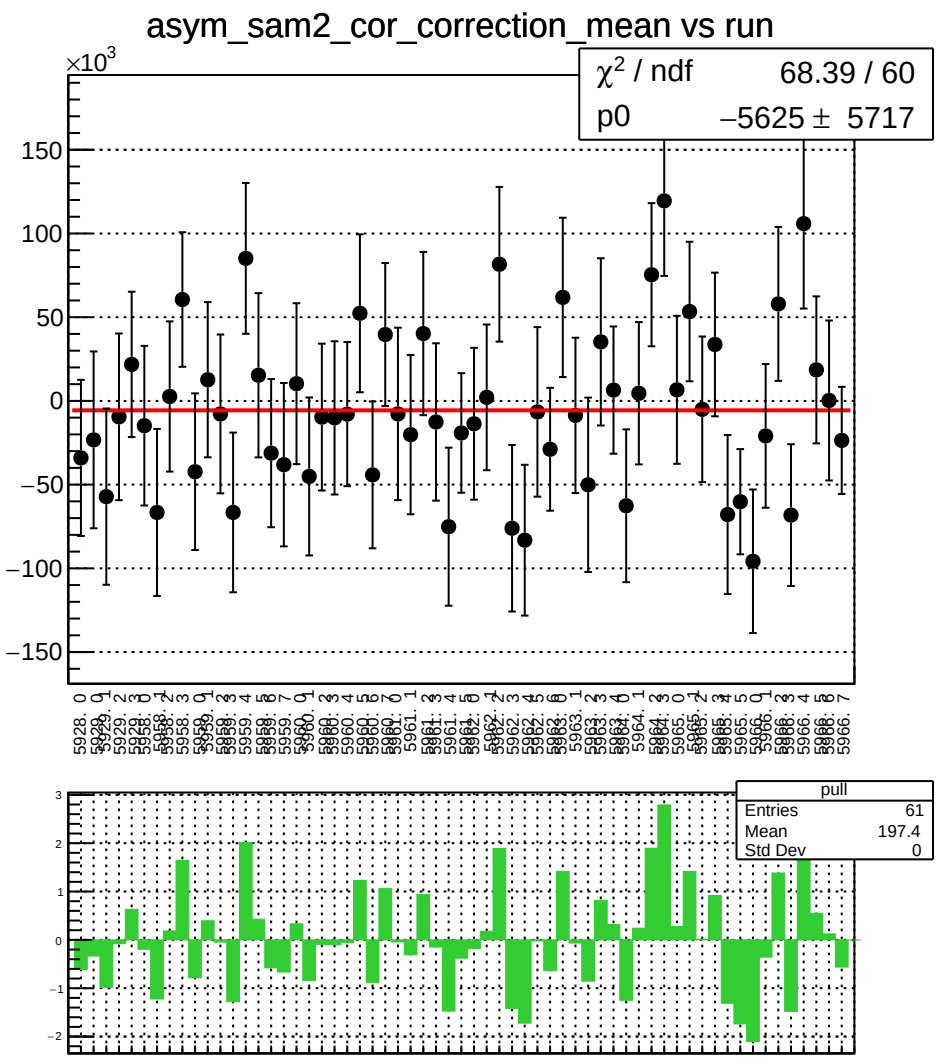

pull1D
Entries 61
Mean 0.008713
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

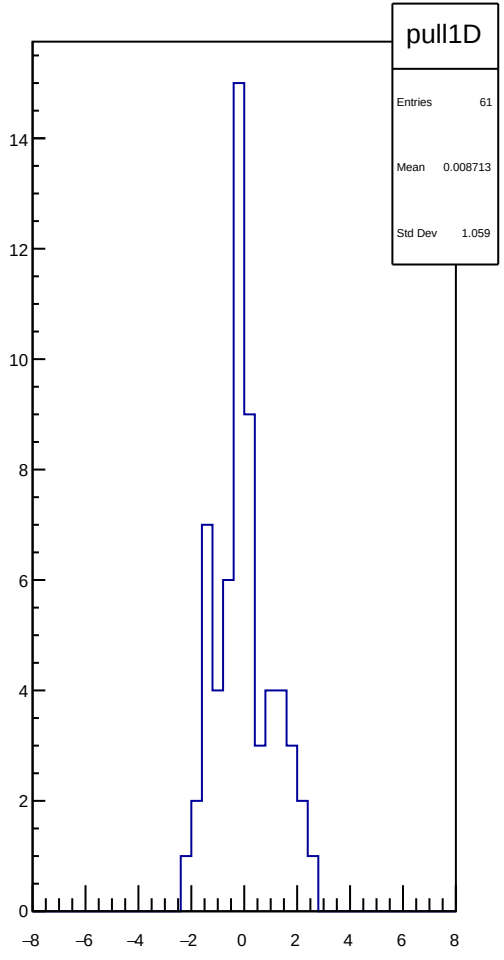

asym_sam2_reg_correction_rms vs run
χ² / ndf 4063 / 60
p0 4407 ± 4.042
5000
4800
4600
4400
4200
4000

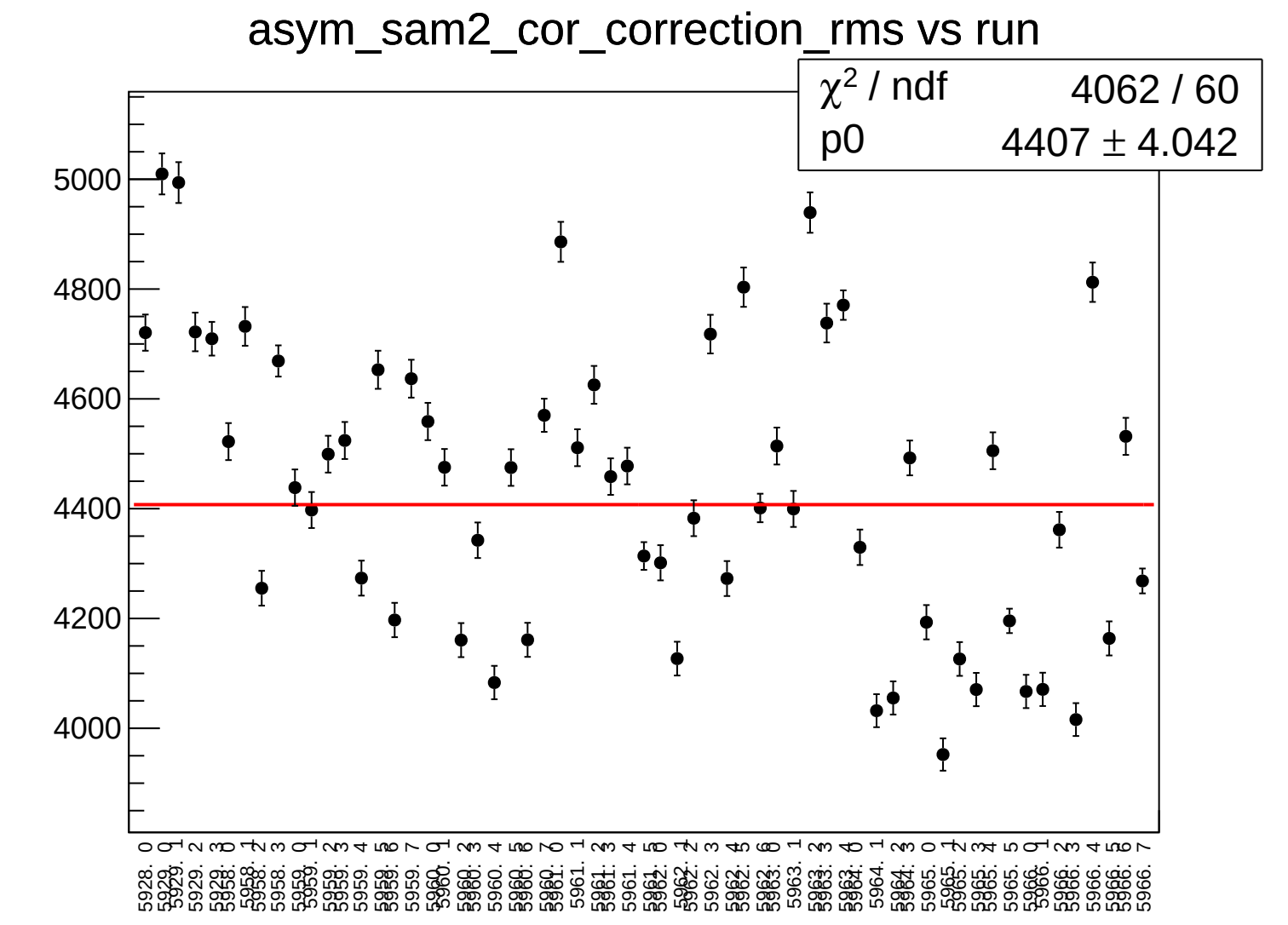

cor_asym_sam2_mean vs run
χ² / ndf 61.69 / 60
p0 −544.7 ± 395.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean −1363
Std Dev 0
3
2
1
0
−1
−2

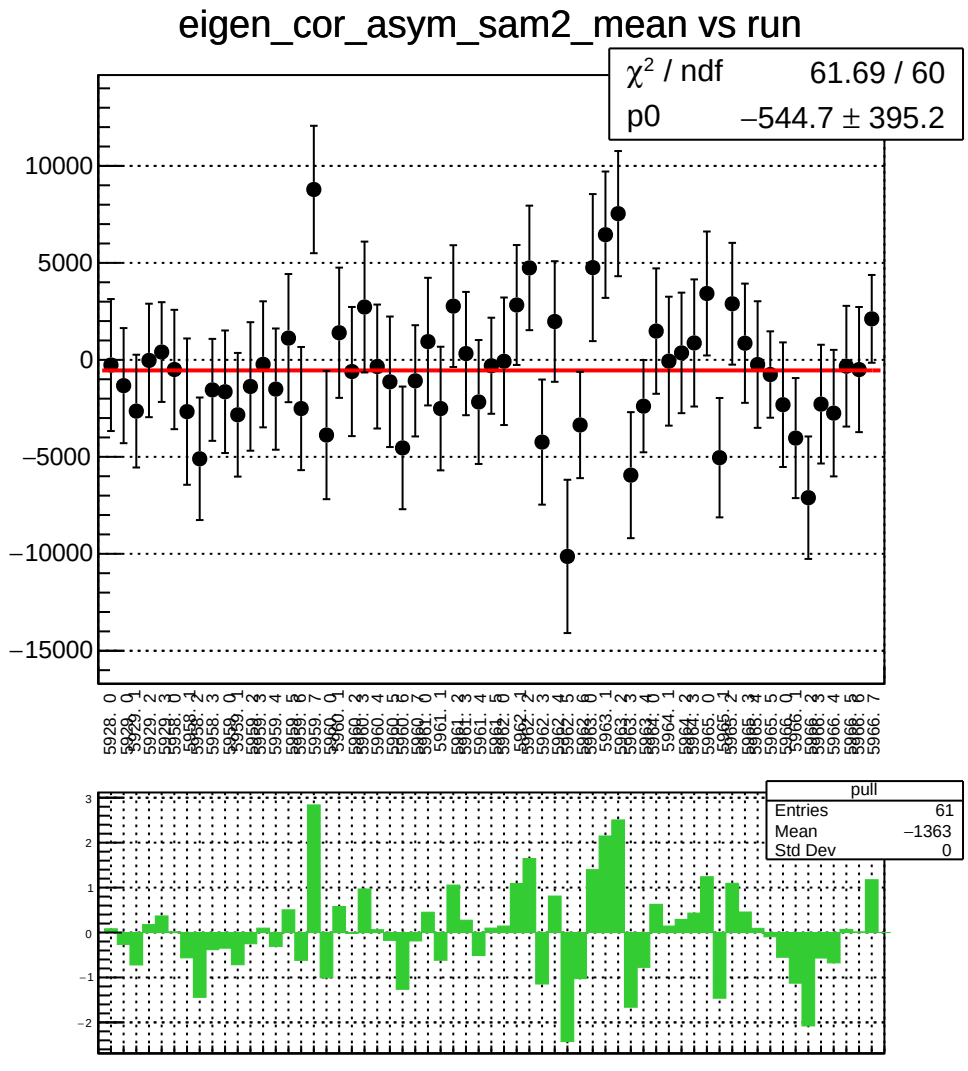

pull1D
Entries 61
Mean −0.000394
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

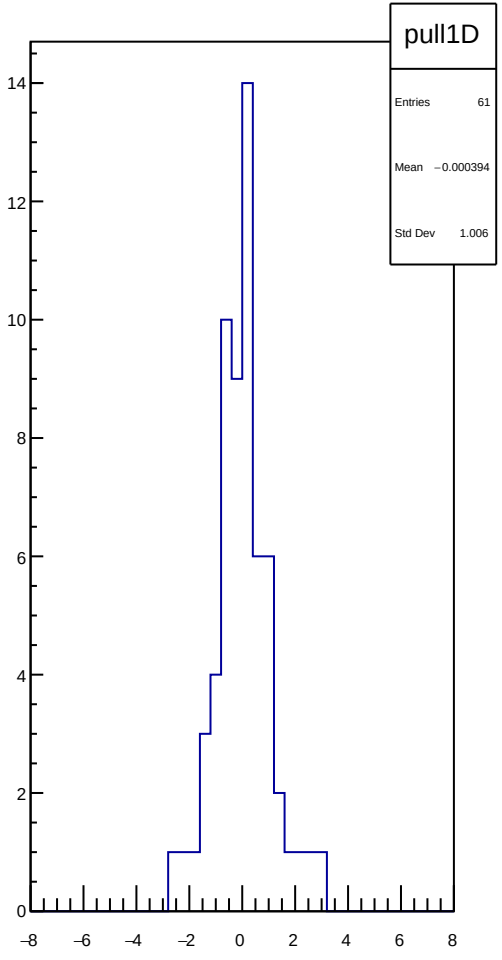

cor_asym_sam2_rms vs run
χ² / ndf 3293 / 60
p0 304.8 ± 0.2794
380
360
340
320
300
280

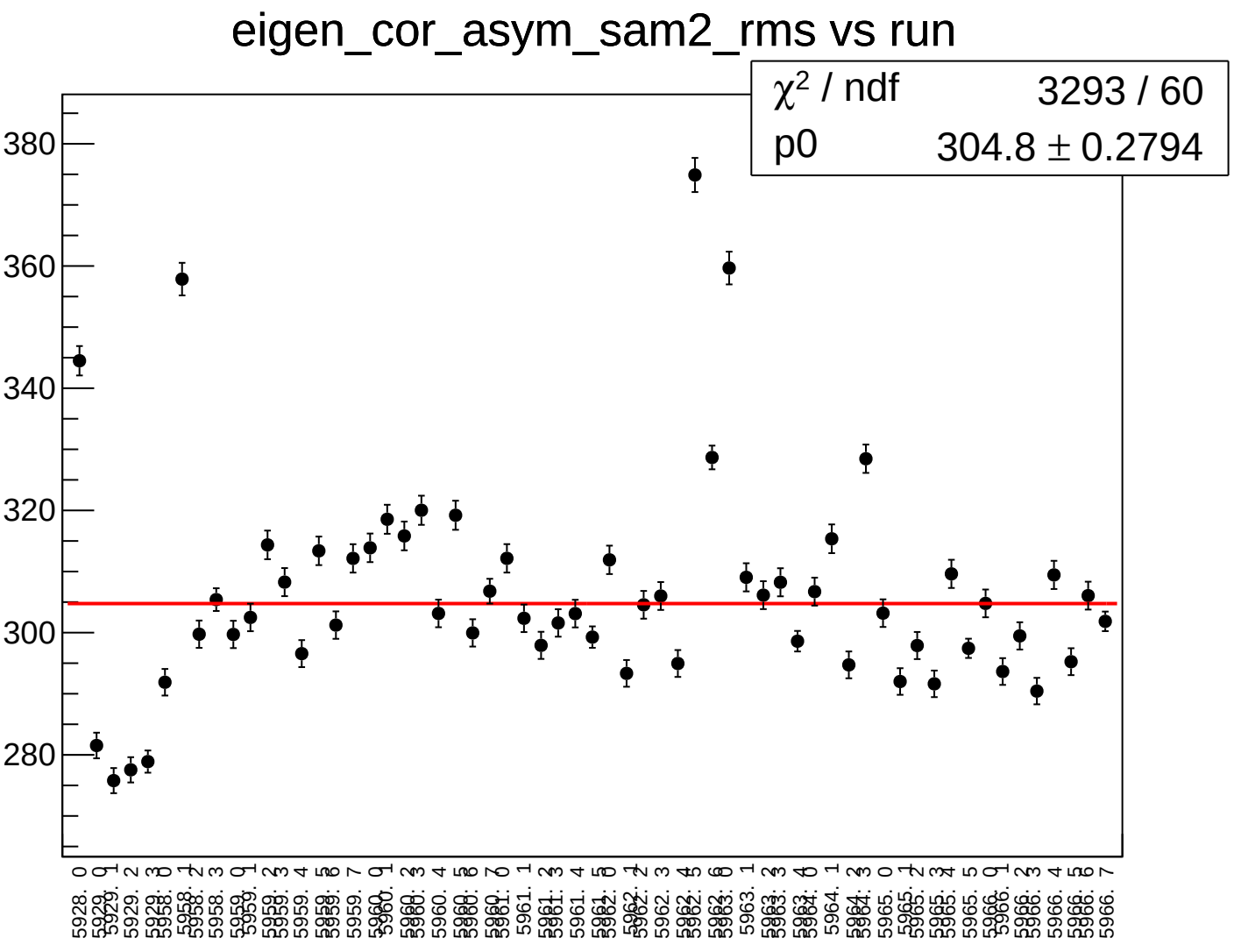

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 68.39 / 60
p0 −5625 ± 5717
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 197.4
Std Dev 0
3
2
1
0
−1
−2

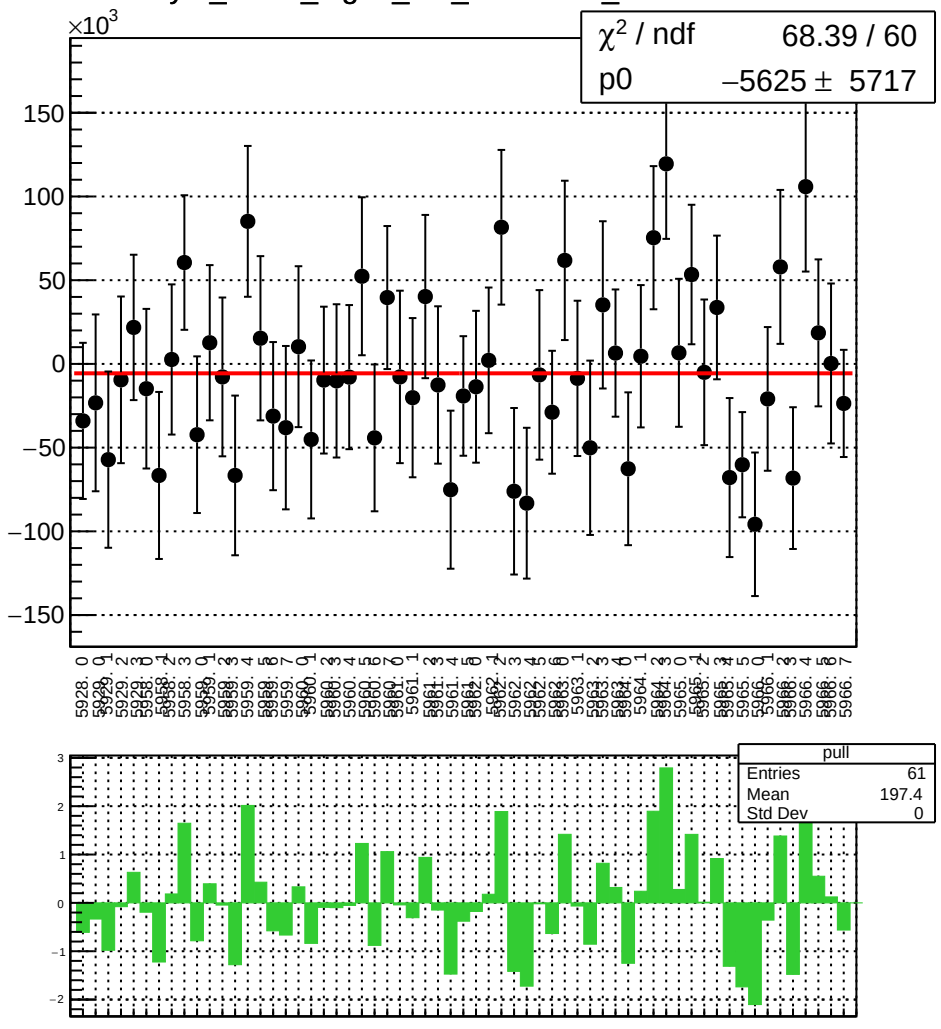

pull1D
Entries 61
Mean 0.008713
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

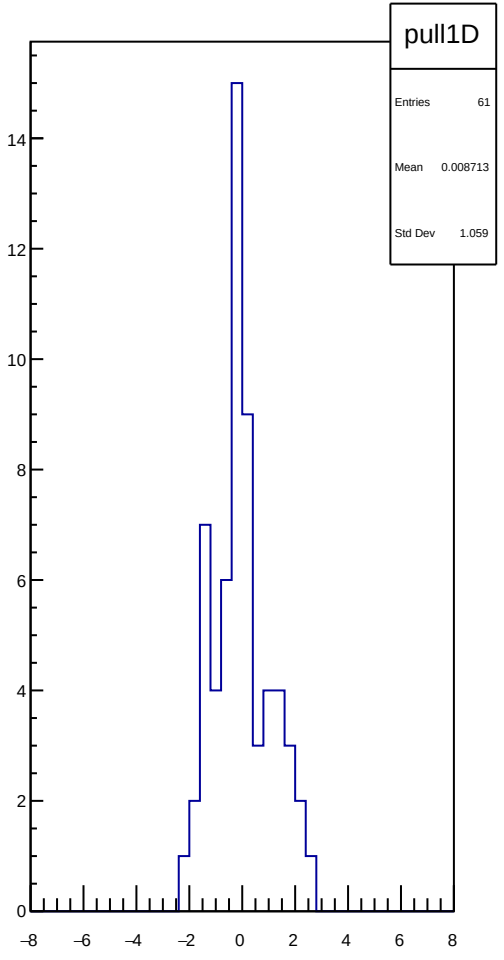

asym_sam2_cor_correction_rms vs run
χ² / ndf 4062 / 60
p0 4407 ± 4.042
5000
4800
4600
4400
4200
4000

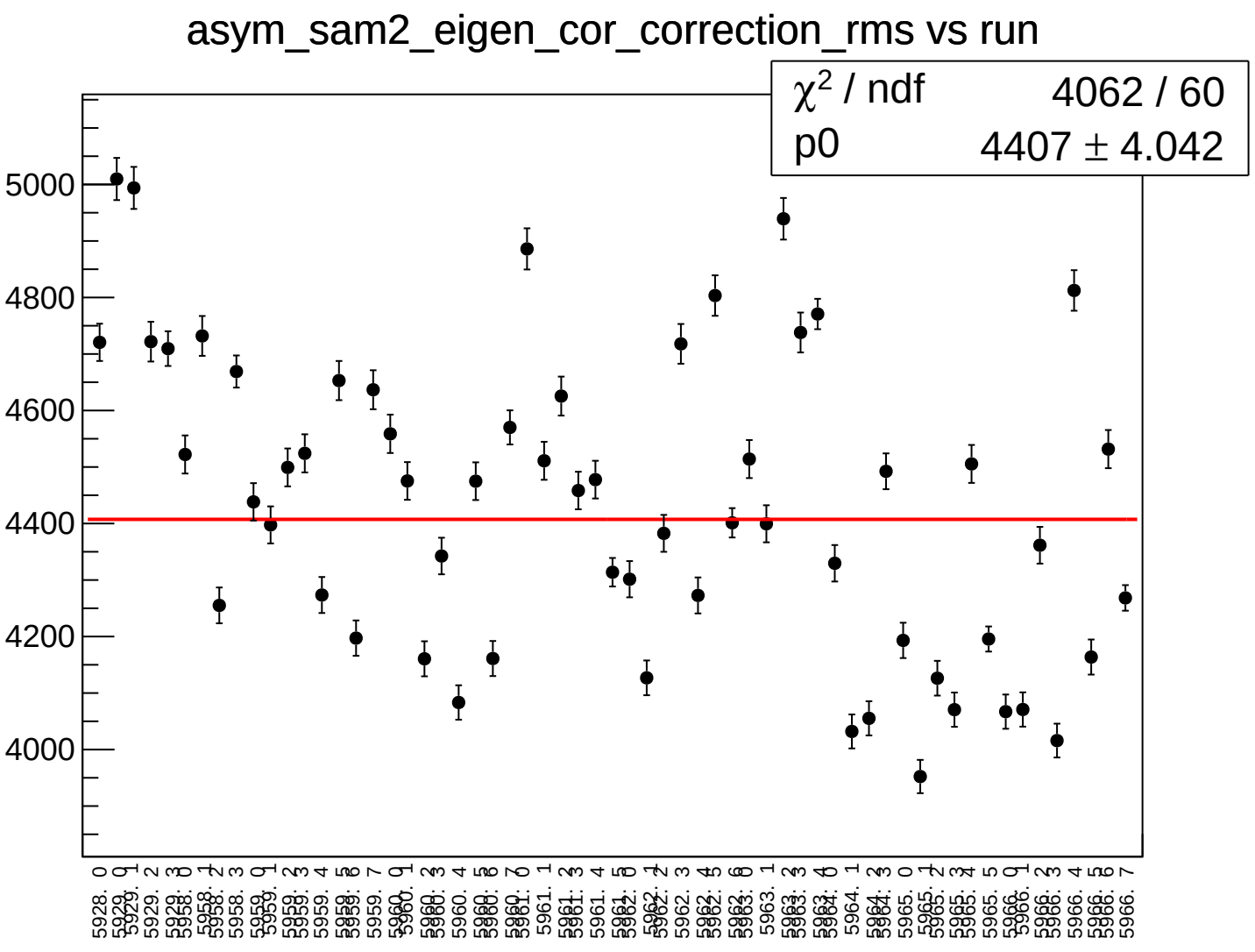

eigen_cor_asym_sam2_mean vs run
χ² / ndf 61.69 / 60
p0 −544.7 ± 395.2
pull
Entries 61
Mean −1363
Std Dev 0

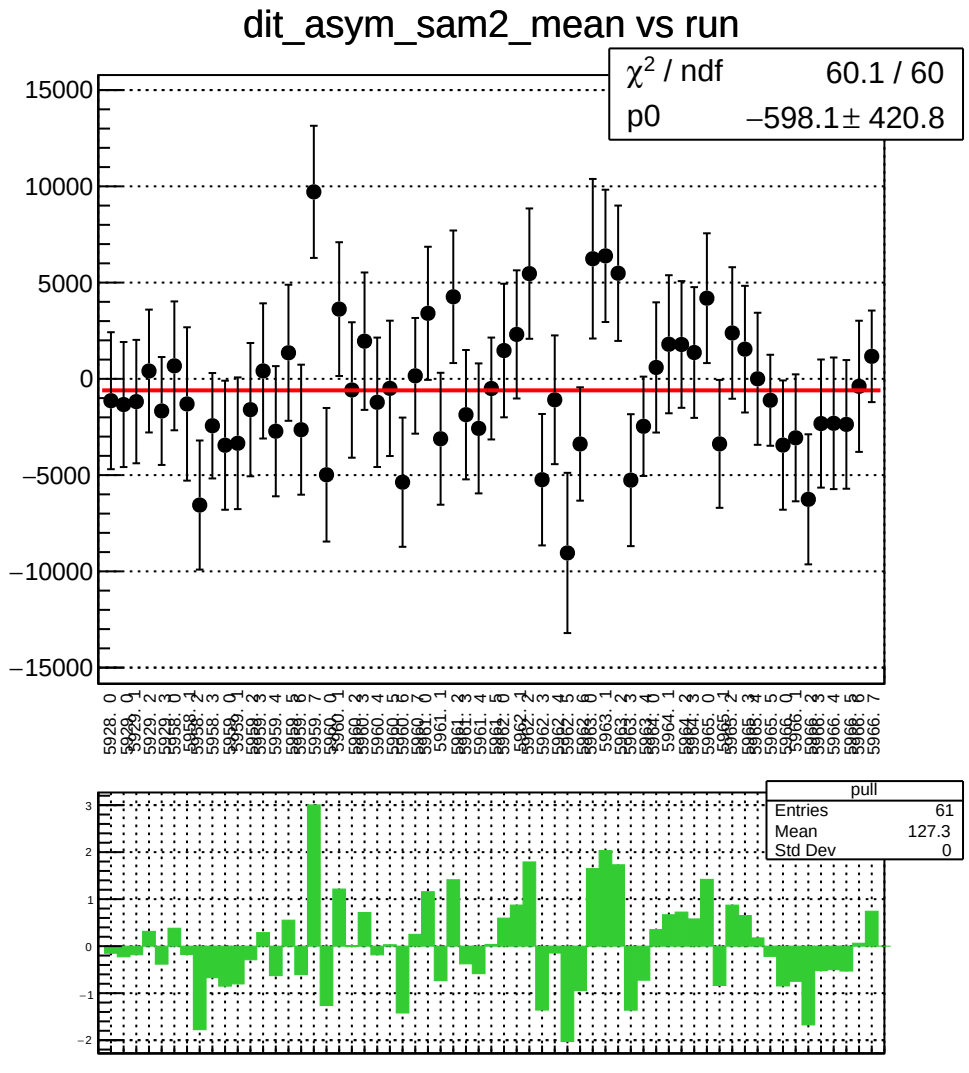

pull1D
Entries 61
Mean −0.000394
Std Dev 1.006

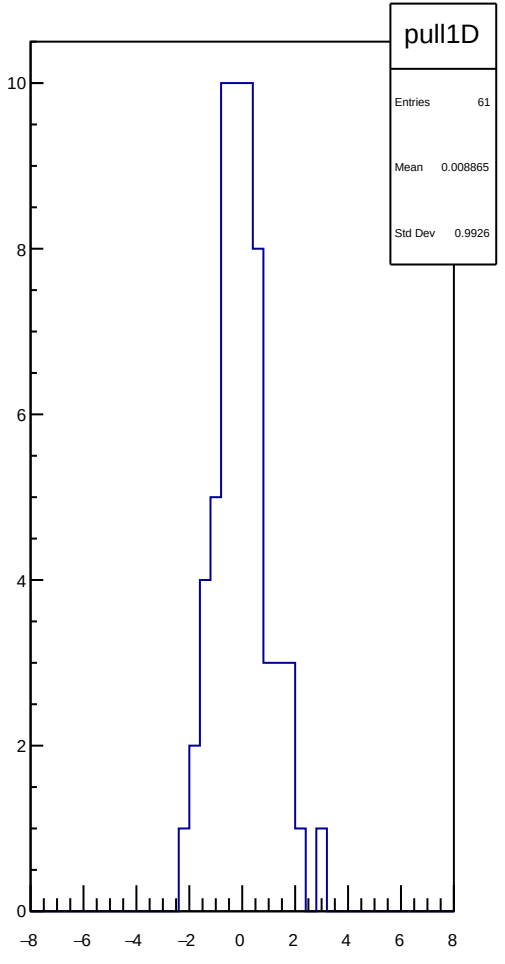

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3293 / 60
p0 304.8 ± 0.2794
380
360
340
320
300
280

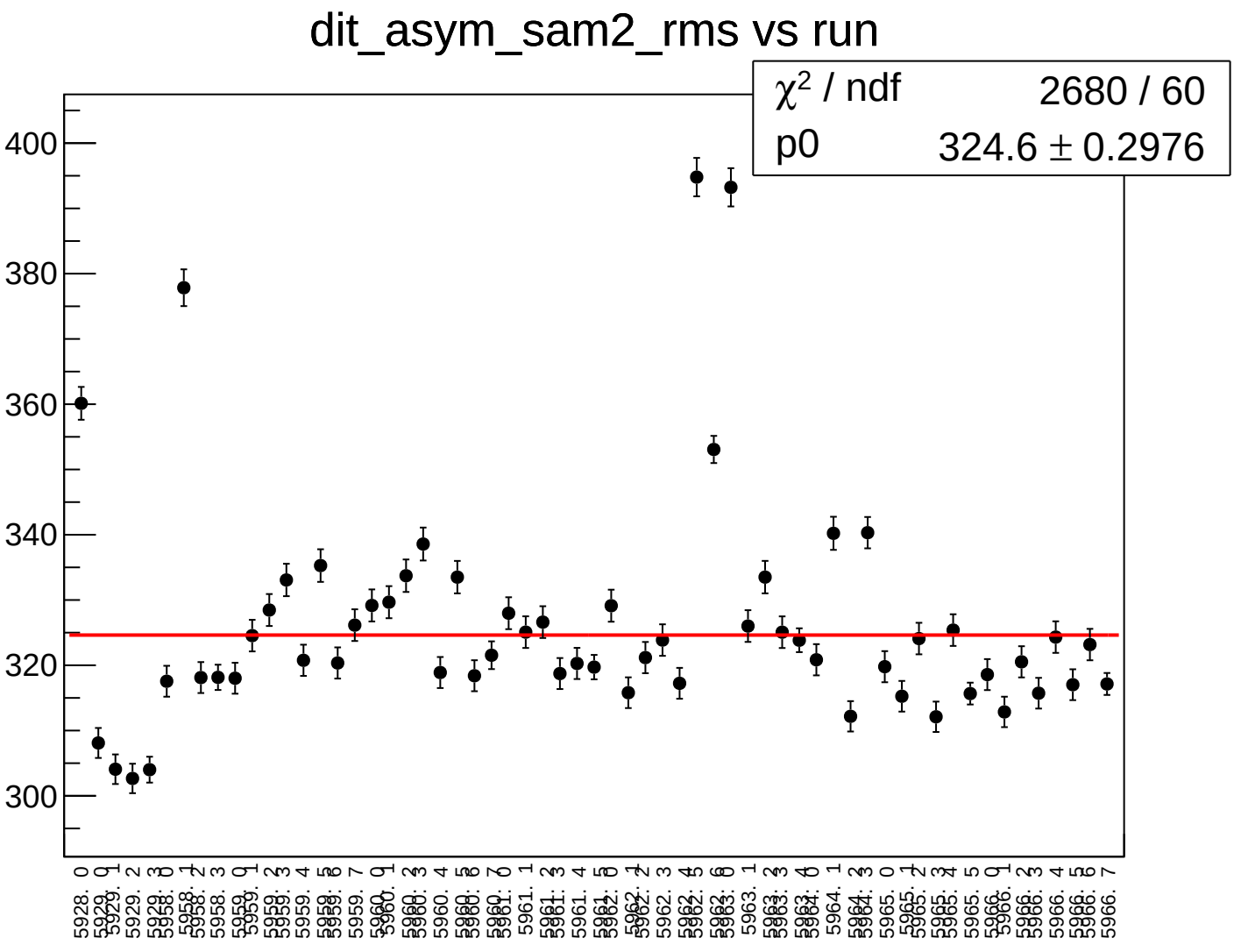

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 68.39 / 60
p0 −5625 ± 5717
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 197.4
Std Dev 0
3
2
1
0
−1
−2

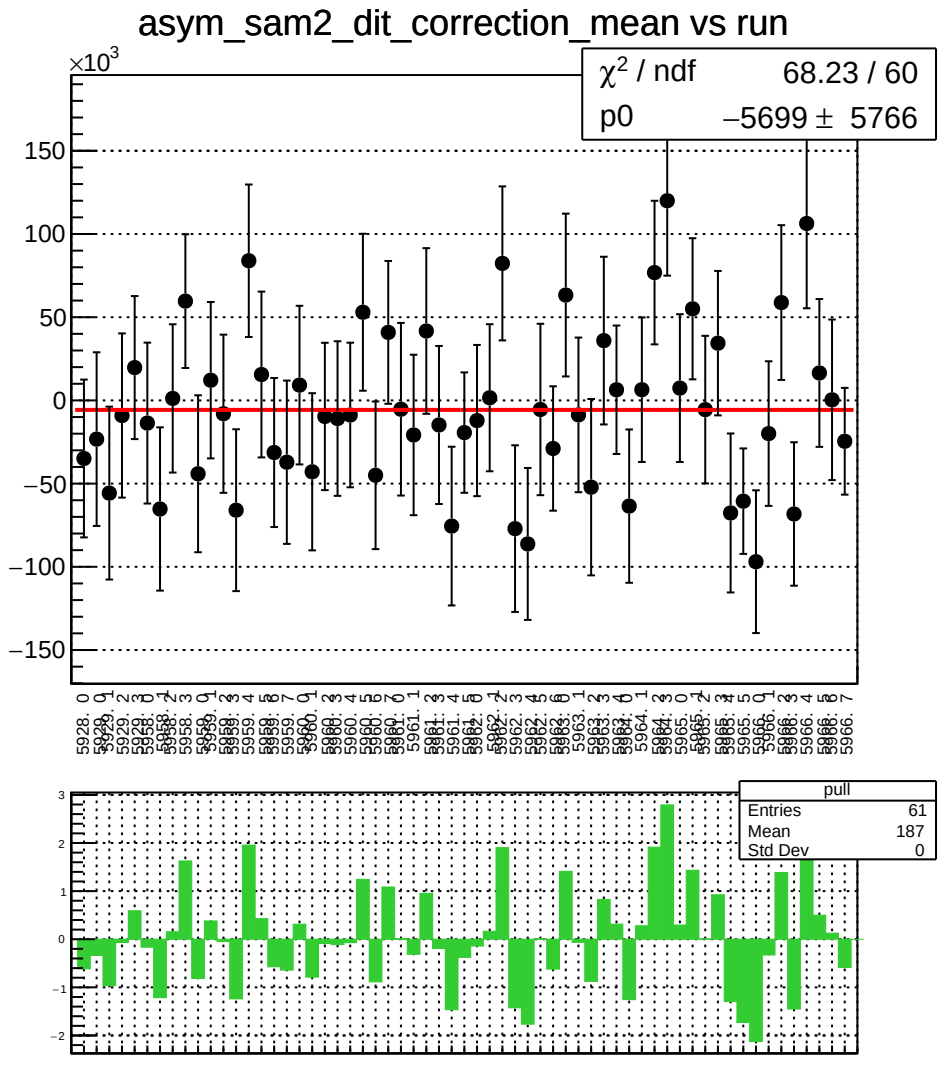

pull1D
Entries 61
Mean 0.008713
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

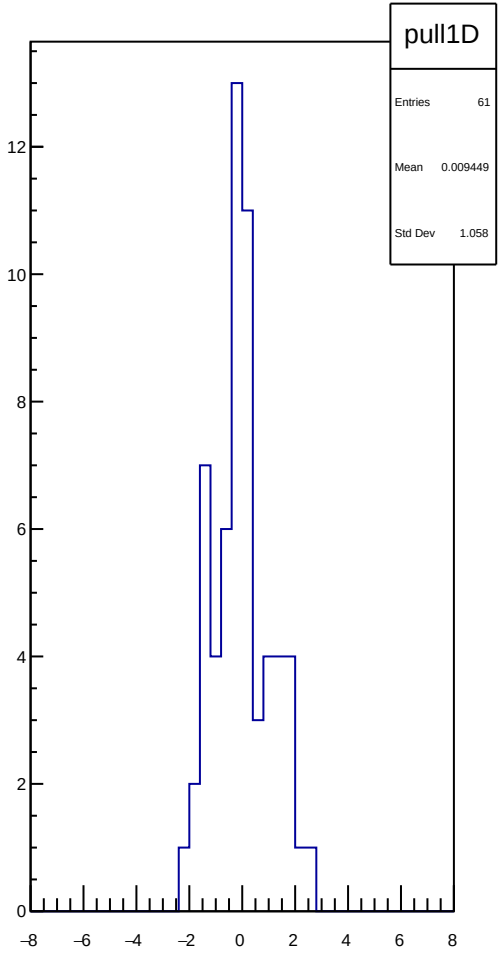

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 4062 / 60
p0 4407 ± 4.042
5000
4800
4600
4400
4200
4000

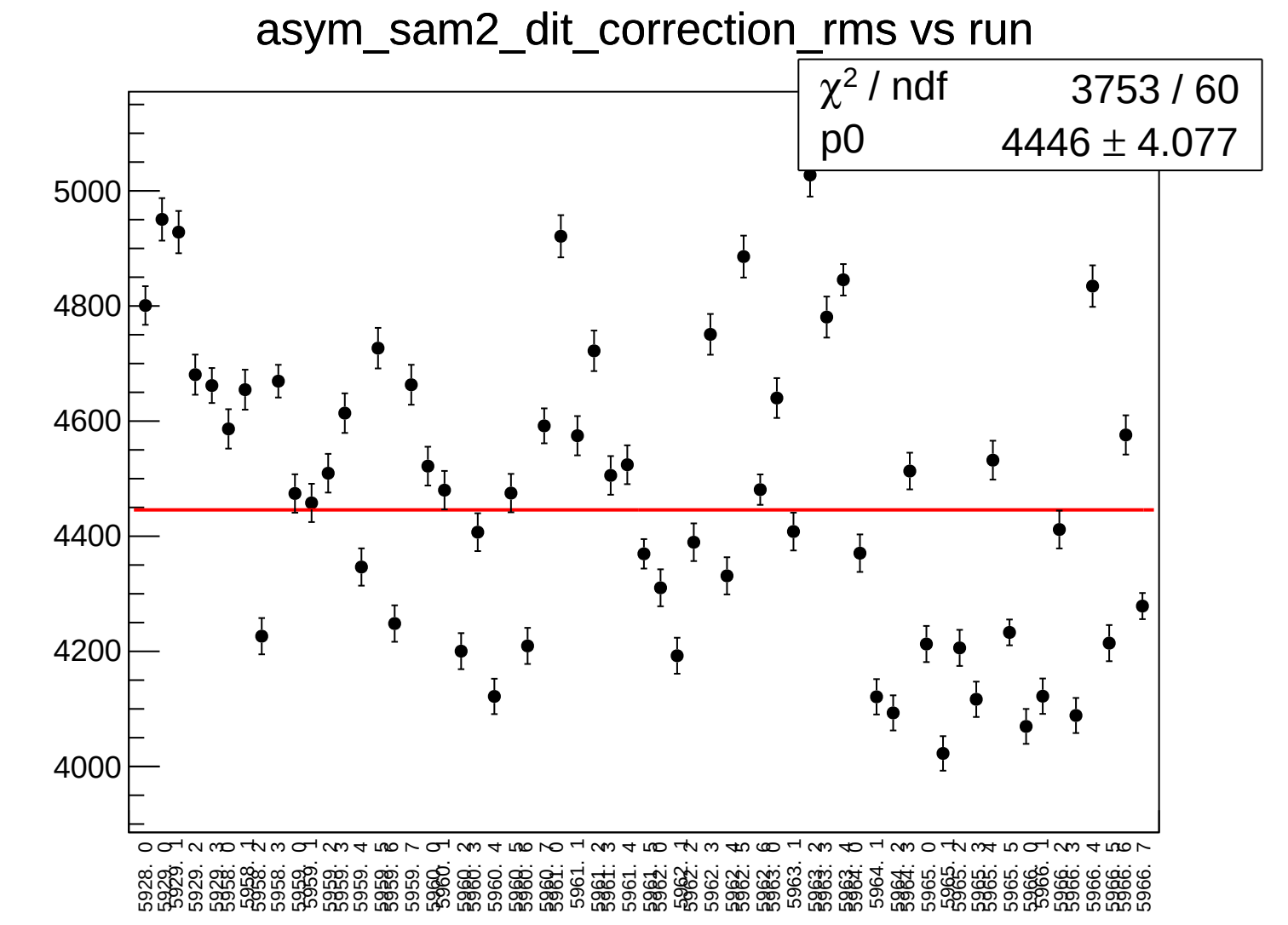

dit_asym_sam2_mean vs run
χ² / ndf 60.1 / 60
p0 −598.1± 420.8
pull
Entries 61
Mean 127.3
Std Dev 0

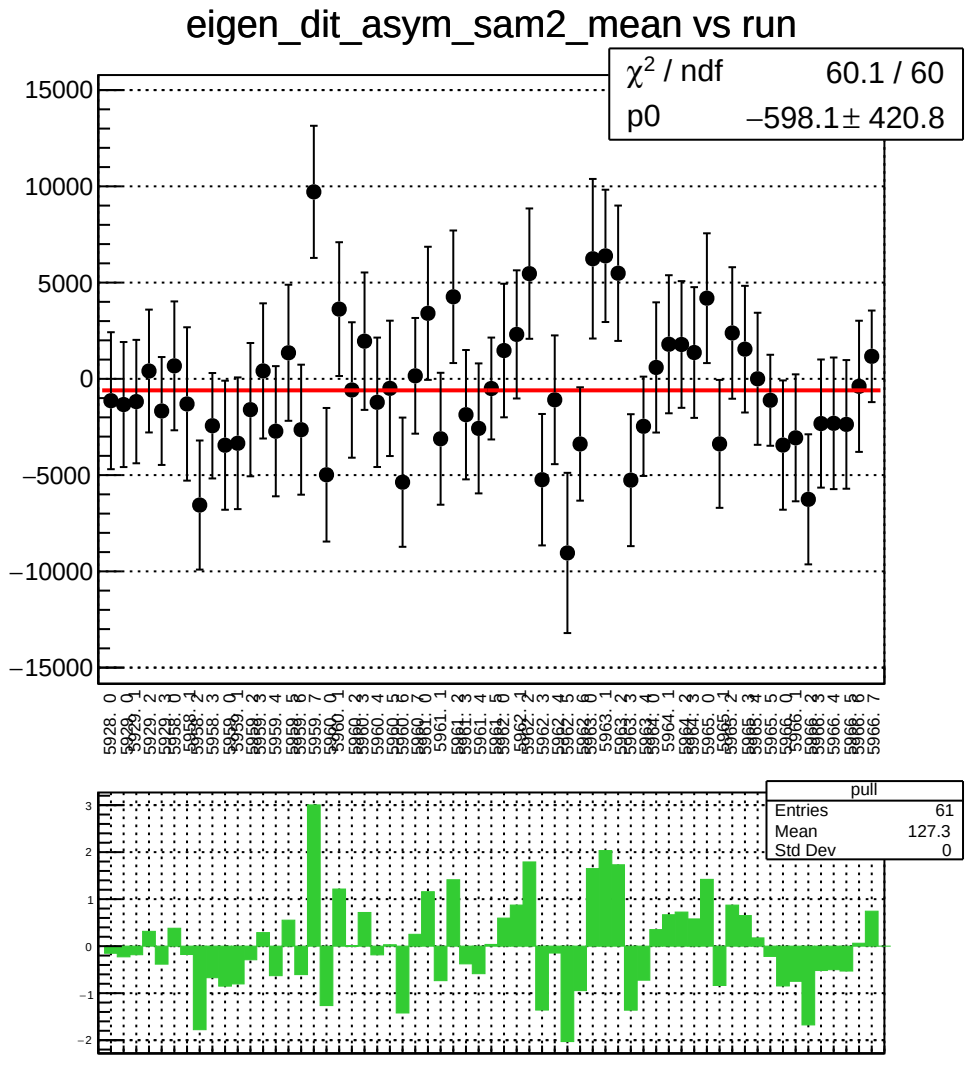

pull1D
Entries 61
Mean 0.008865
Std Dev 0.9926

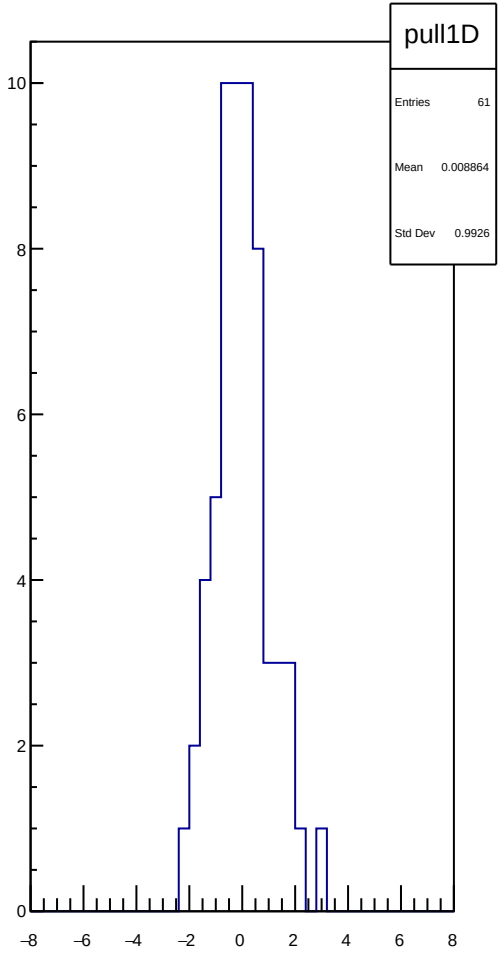

dit_asym_sam2_rms vs run
χ² / ndf 2680 / 60
p0 324.6 ± 0.2976
400
380
360
340
320
300

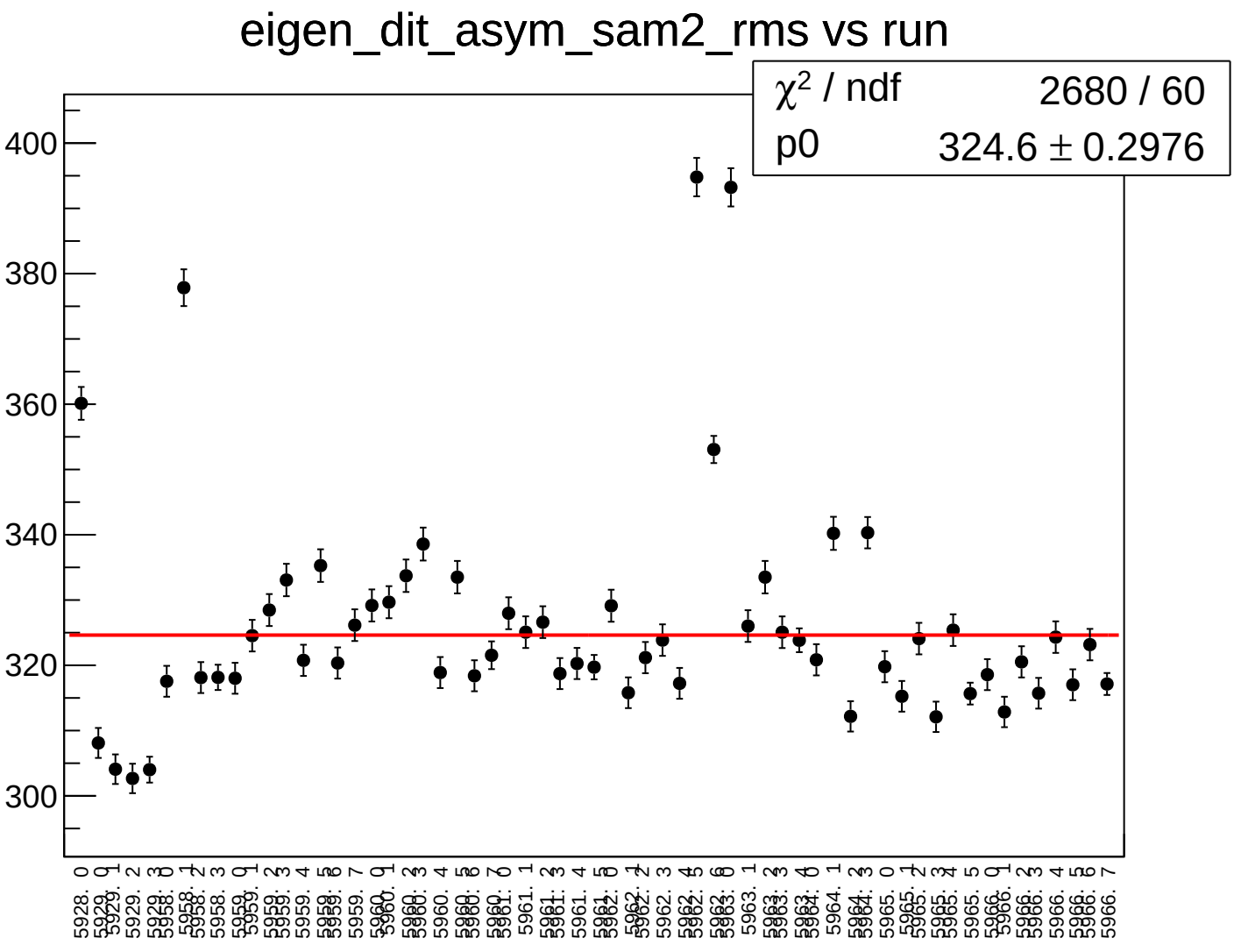

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 68.23 / 60
p0 −5699 ± 5766
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 187
Std Dev 0
3
2
1
0
−1
−2

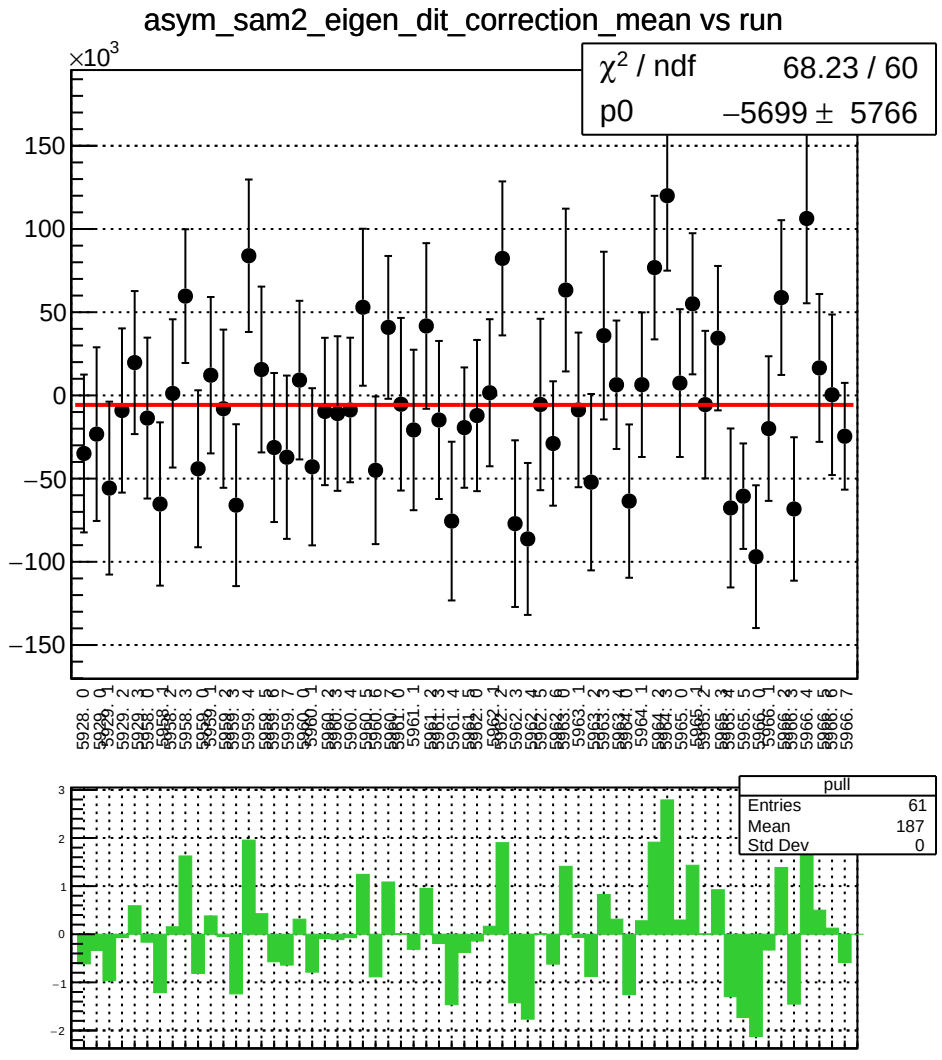

pull1D
Entries 61
Mean 0.009449
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

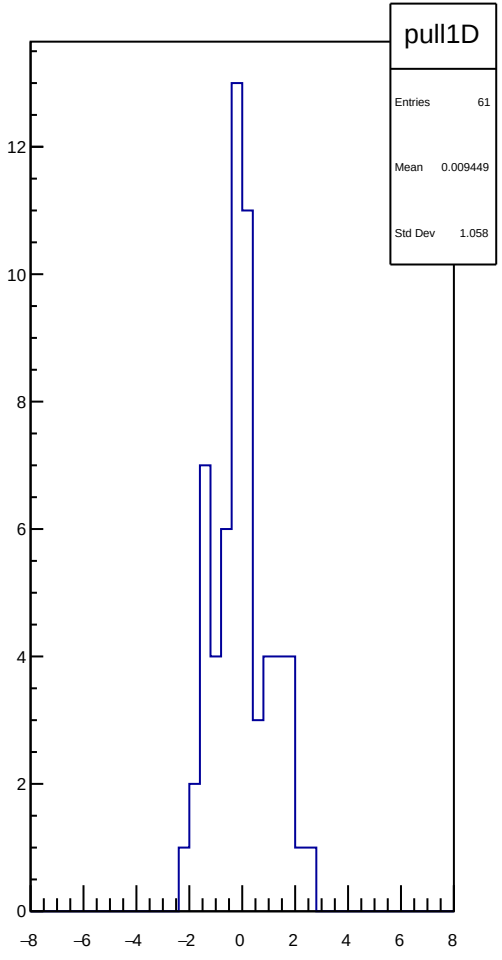

asym_sam2_dit_correction_rms vs run
χ² / ndf 3753 / 60
p0 4446 ± 4.077
5000
4800
4600
4400
4200
4000

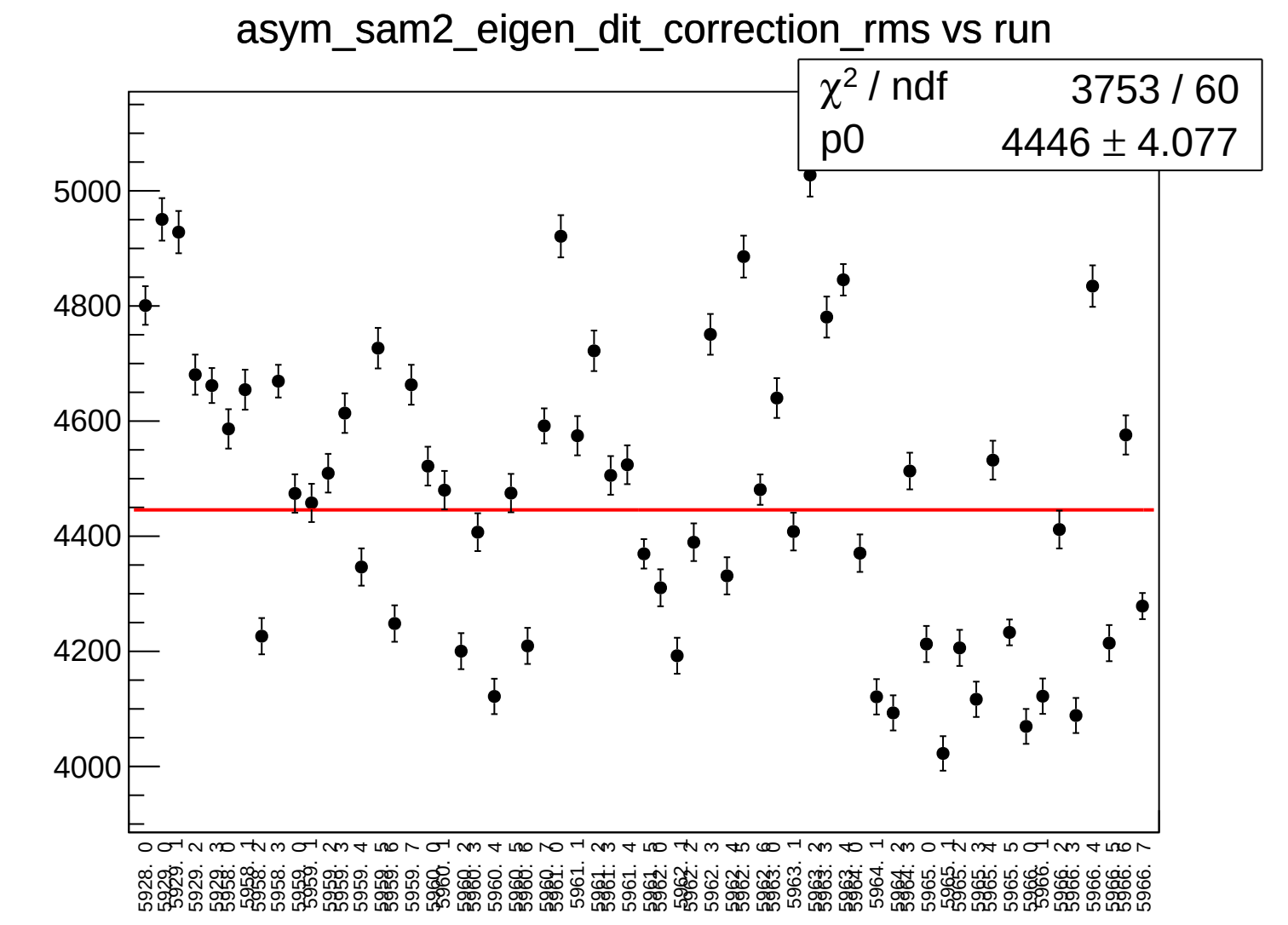

eigen_dit_asym_sam2_mean vs run
χ² / ndf 60.1 / 60
p0 −598.1± 420.8
pull
Entries 61
Mean 127.3
Std Dev 0

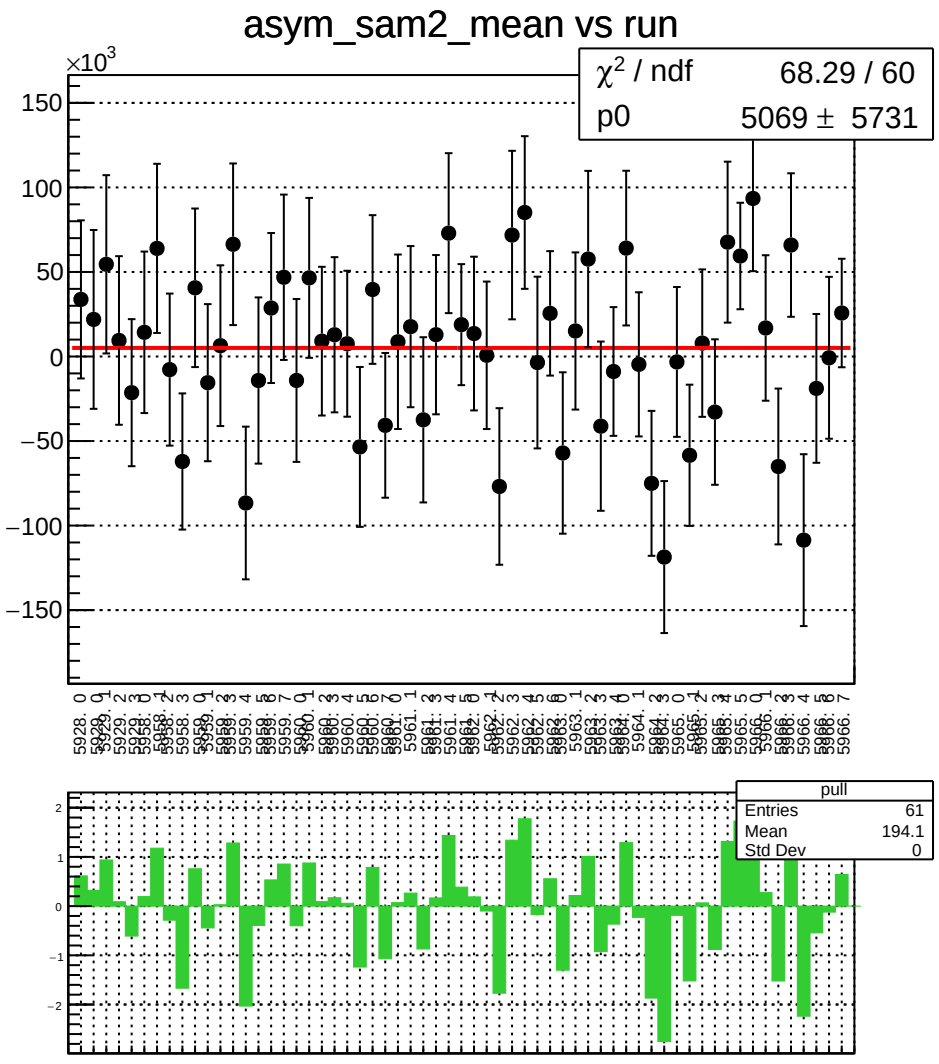

pull1D
Entries 61
Mean 0.008864
Std Dev 0.9926

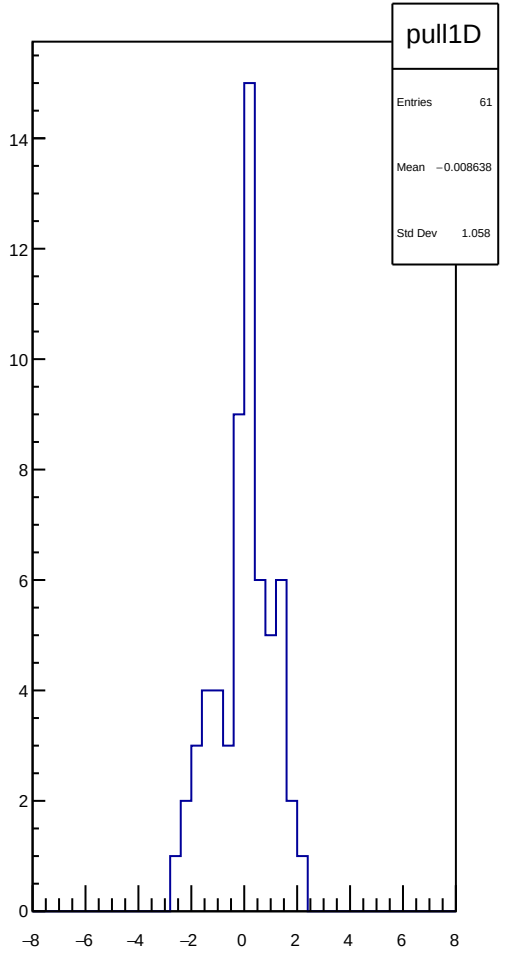

eigen_dit_asym_sam2_rms vs run
χ^2 / ndf 2680 / 60
p0 324.6 ± 0.2976
400
380
360
340
320
300

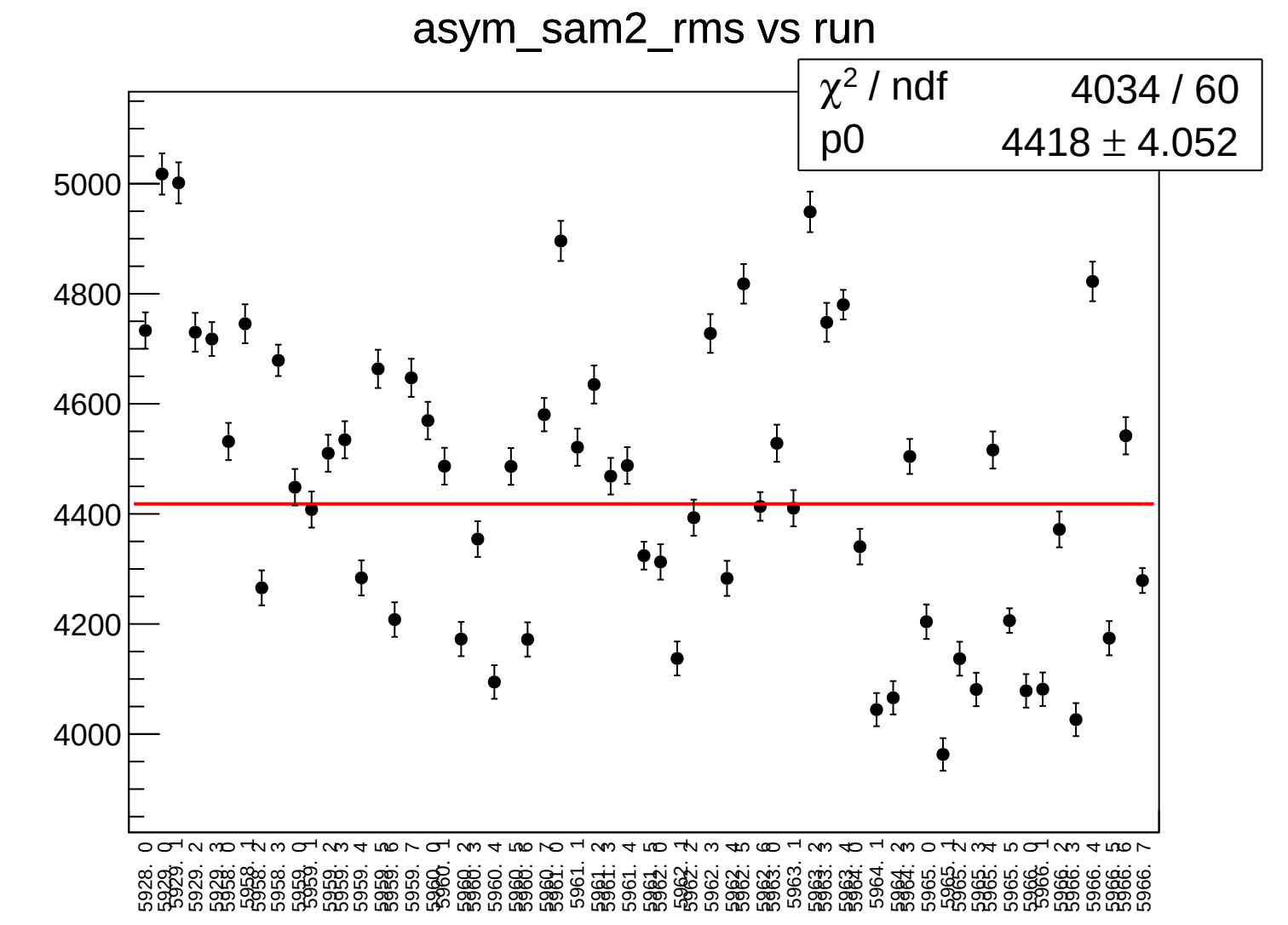

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 68.23 / 60
p0 −5699 ± 5766
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 187
Std Dev 0
3
2
1
0
−1
−2

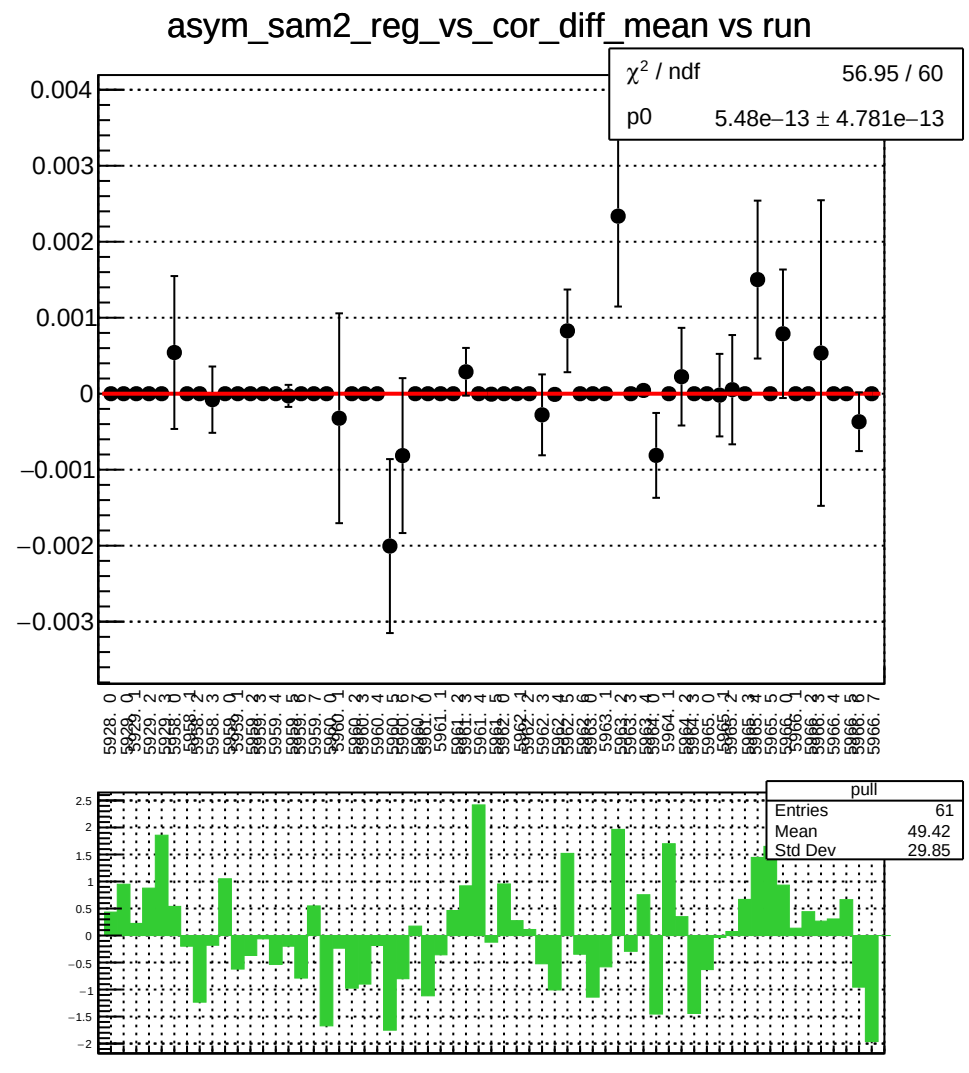

pull1D
Entries 61
Mean 0.009449
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

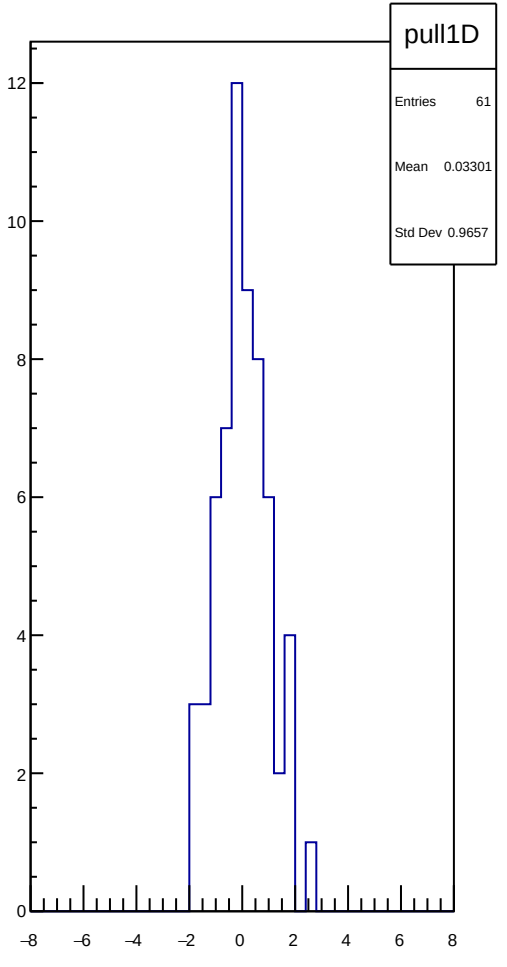

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3753 / 60
p0 4446 ± 4.077
5000
4800
4600
4400
4200
4000

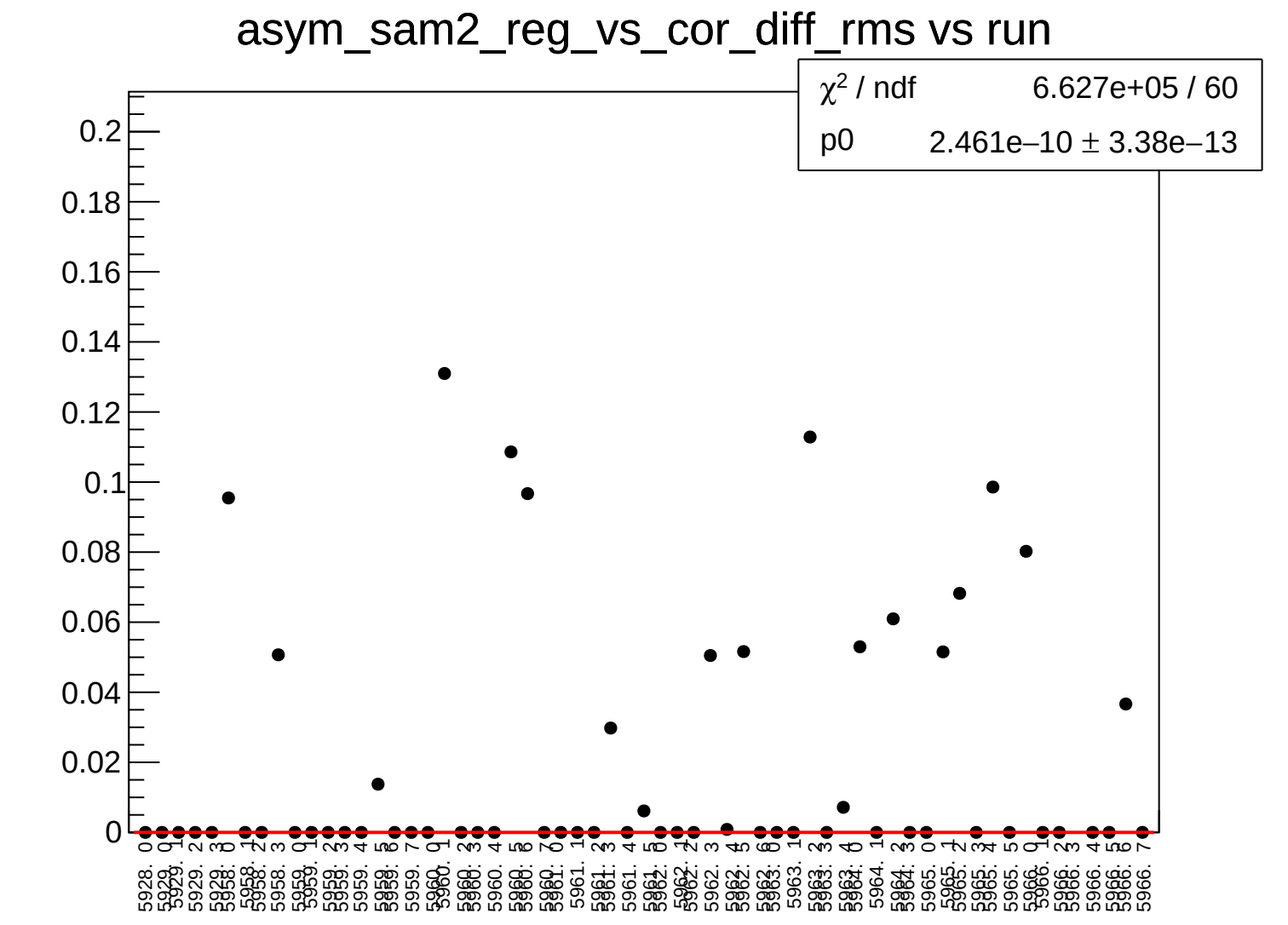

asym_sam2_mean vs run
×10^3
χ^2 / ndf 68.29 / 60
p0 5069 ± 5731
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean 194.1
Std Dev 0
2
1
0
−1
−2

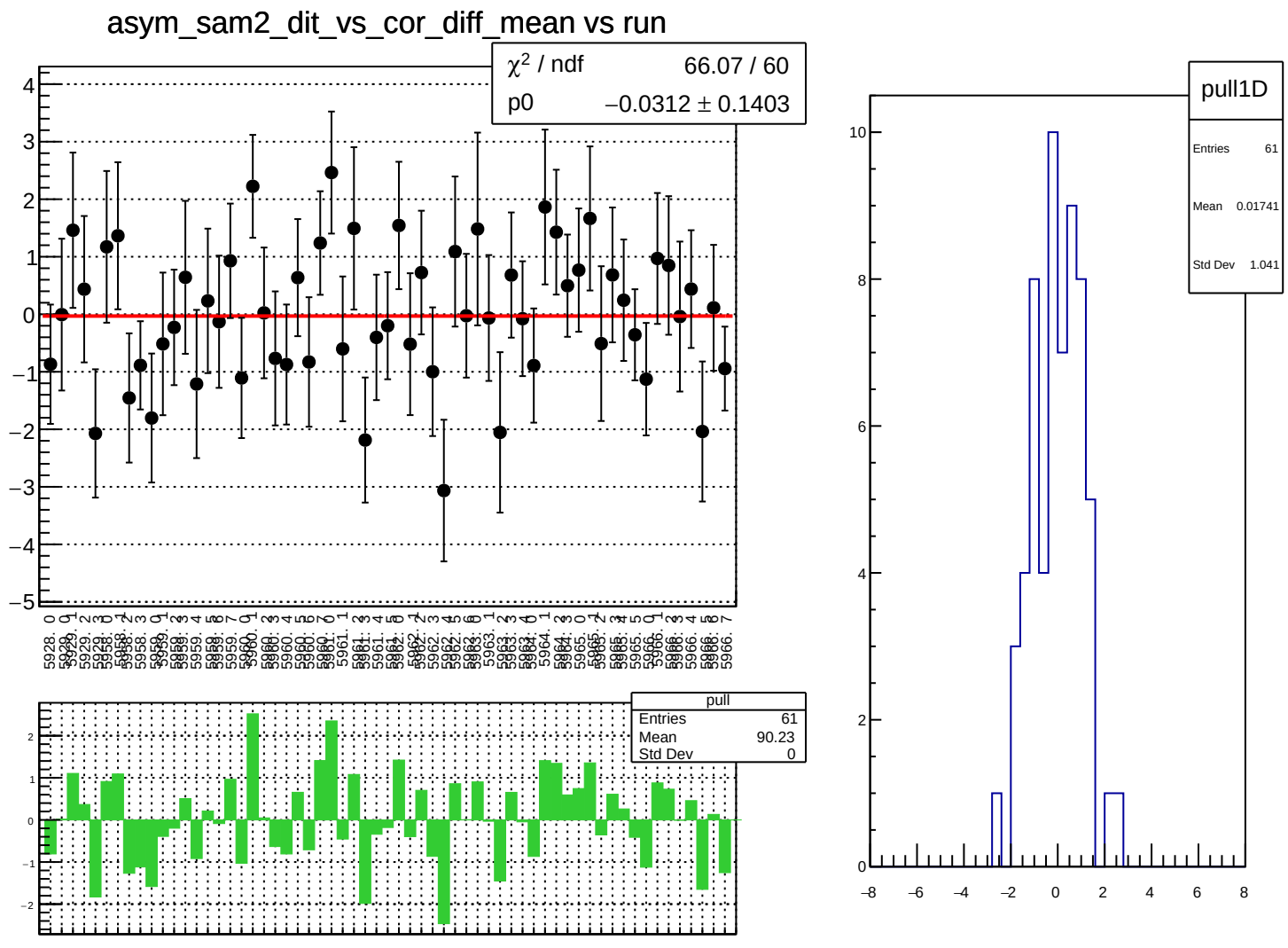

pull1D
Entries 61
Mean −0.008638
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

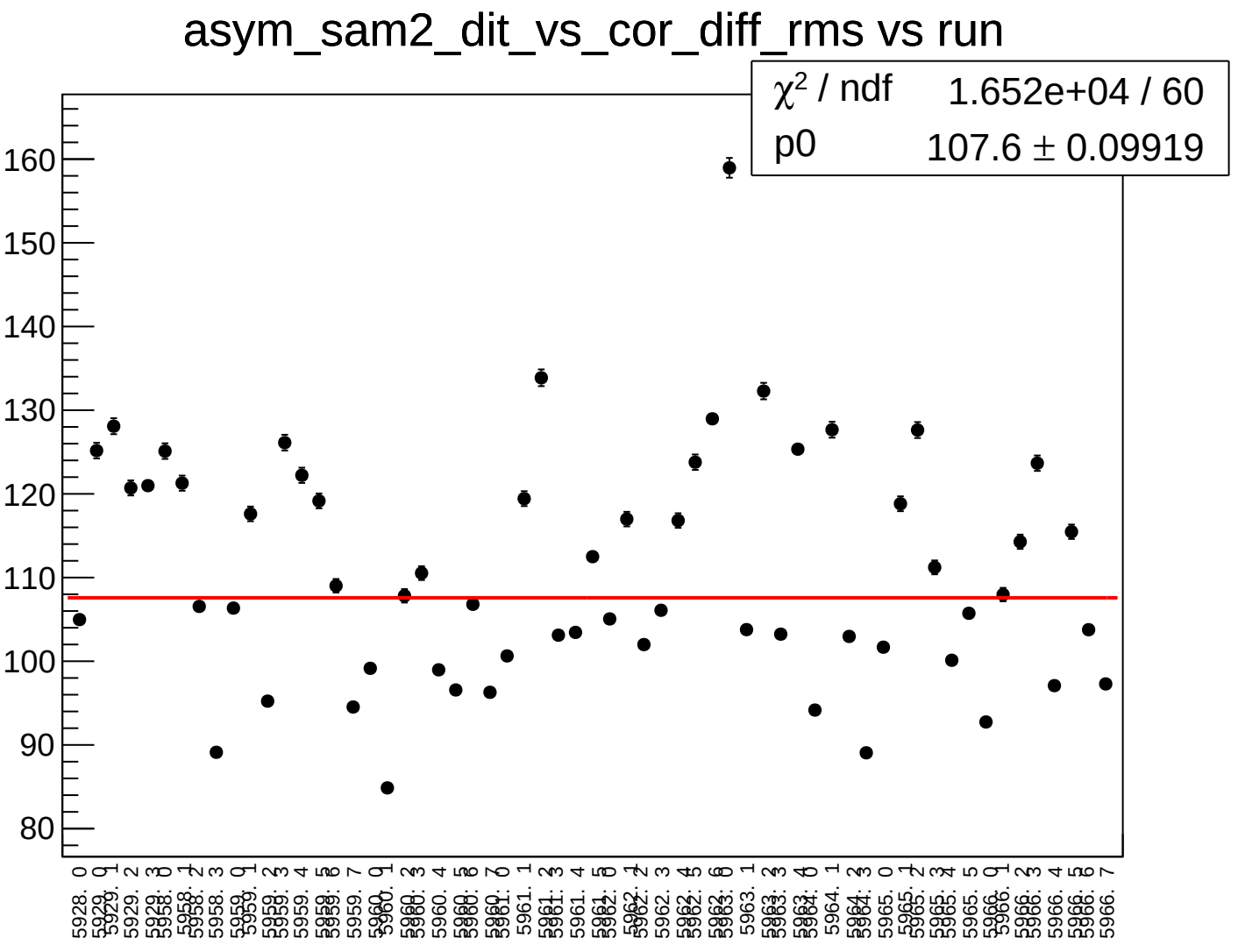

asym_sam2_rms vs run
χ² / ndf 4034 / 60
p0 4418 ± 4.052
5000
4800
4600
4400
4200
4000

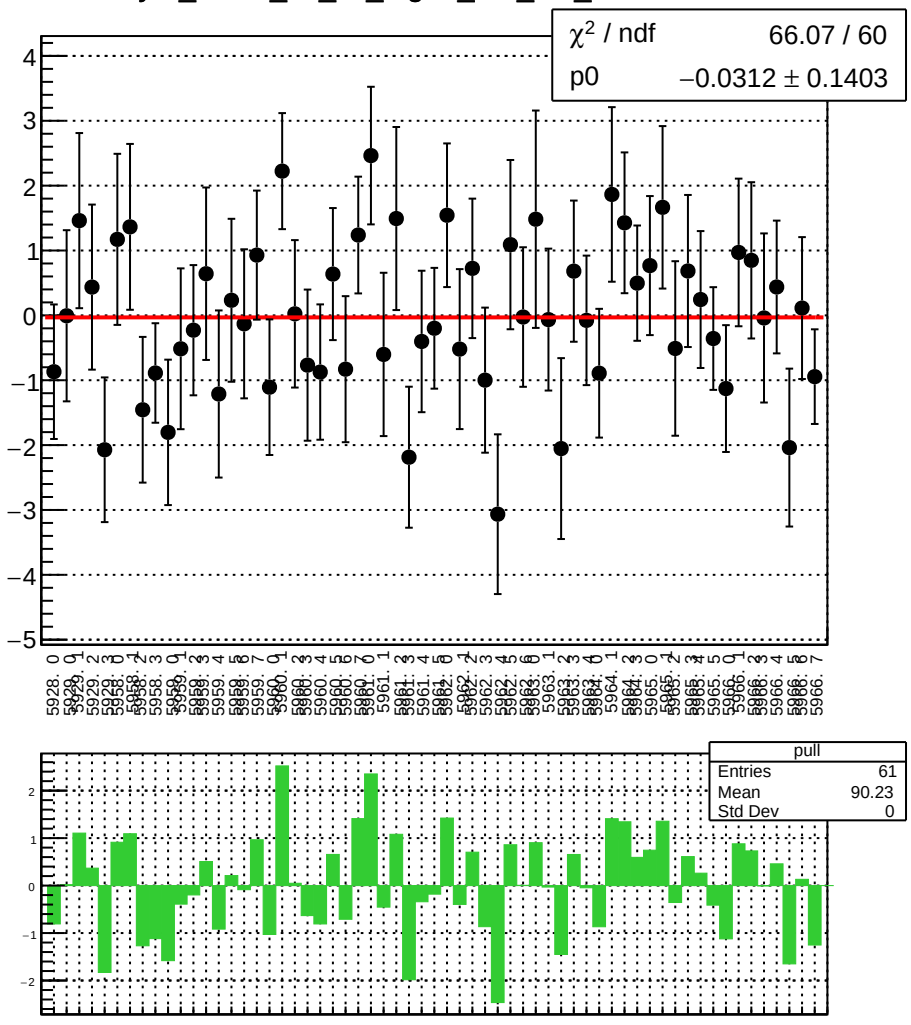

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 56.95 / 60
p0 5.48e−13 ± 4.781e−13
0.004
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 61
Mean 49.42
Std Dev 29.85
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

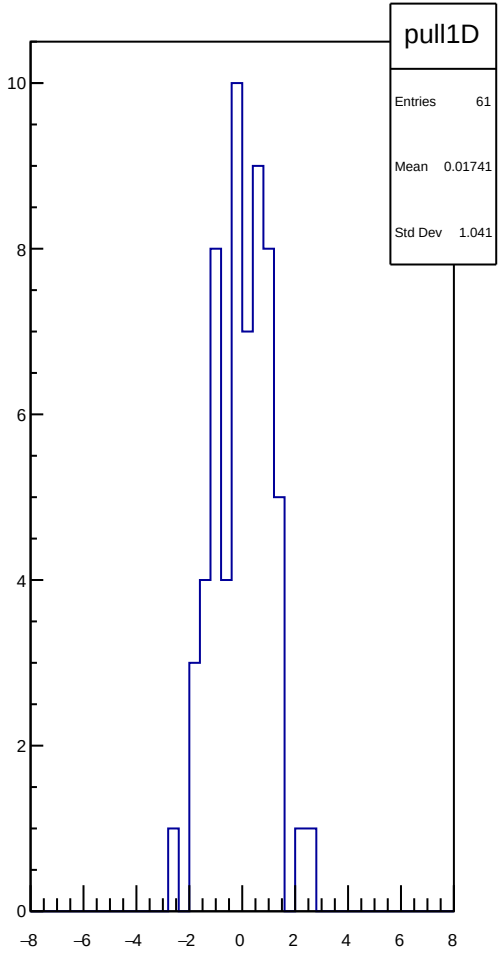

pull1D
Entries 61
Mean 0.03301
Std Dev 0.9657
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

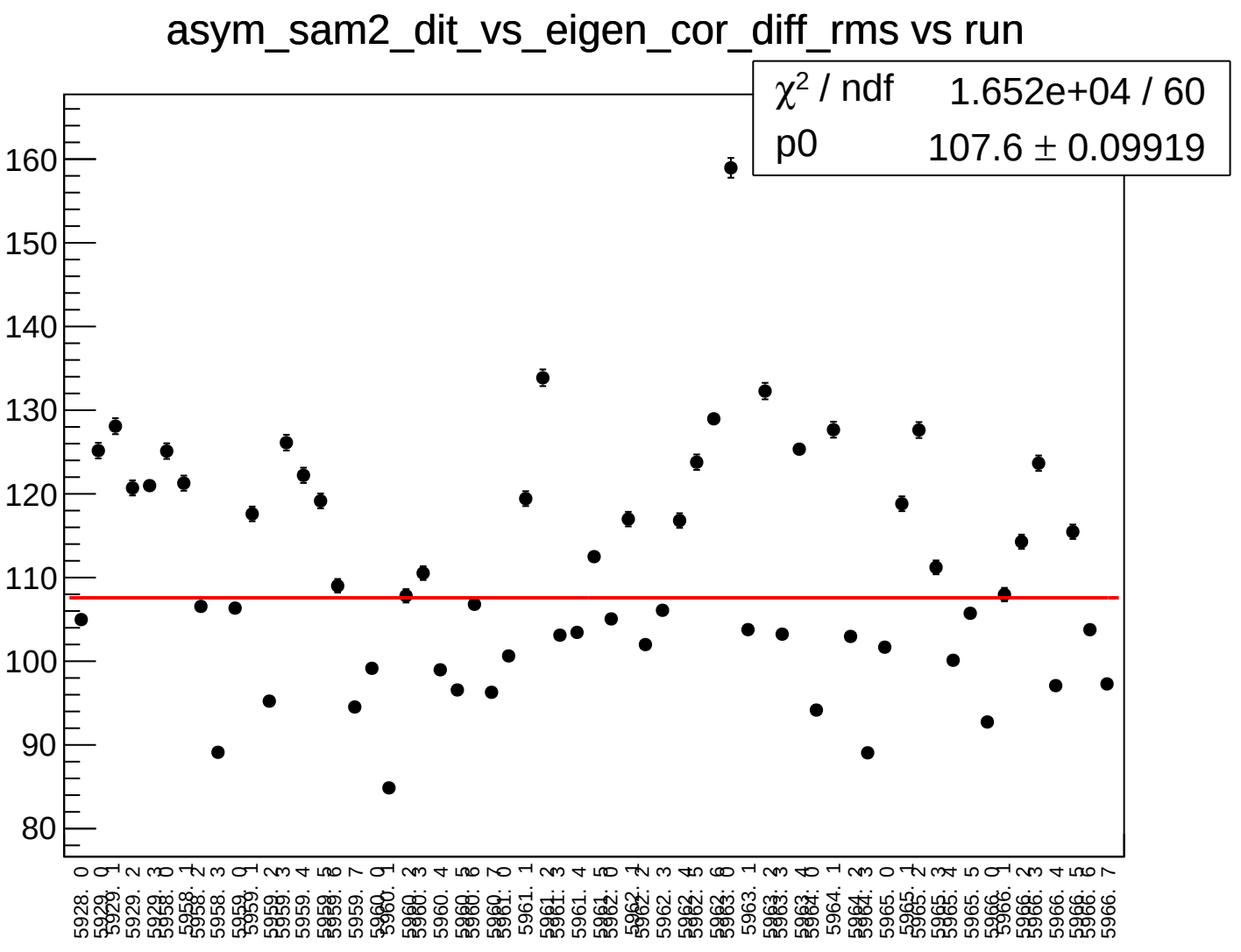

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.627e+05 / 60
p0 2.461e−10 ± 3.38e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

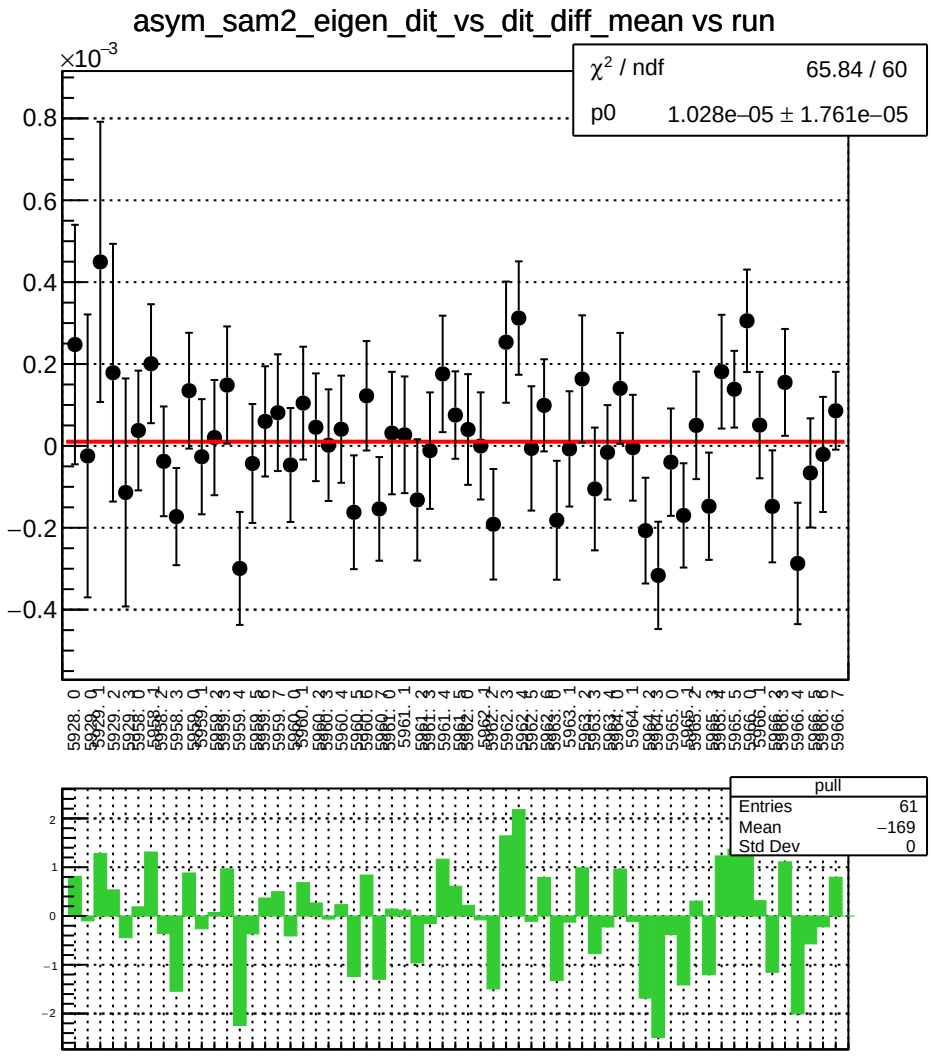

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 66.07 / 60
p0 −0.0312 ± 0.1403
pull
Entries 61
Mean 90.23
Std Dev 0
pull1D
Entries 61
Mean 0.01741
Std Dev 1.041

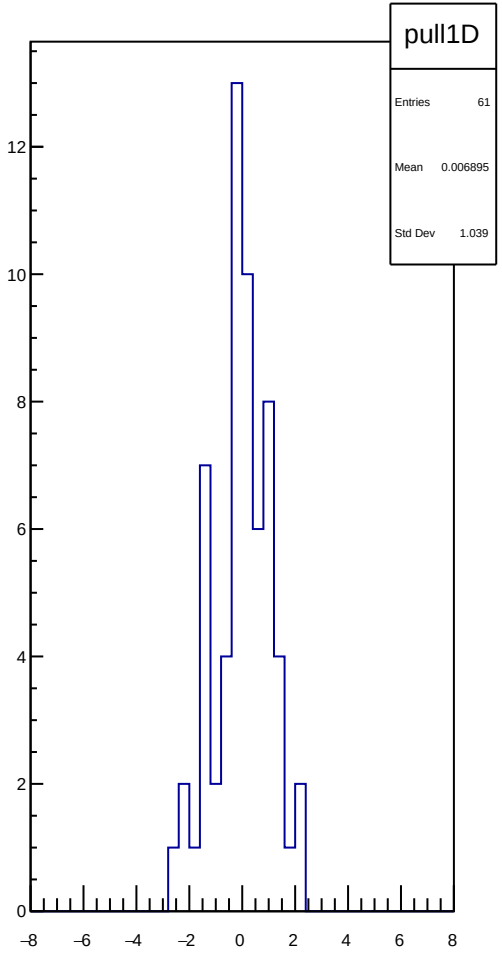

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.652e+04 / 60
p0 107.6 ± 0.09919
160
150
140
130
120
110
100
90
80

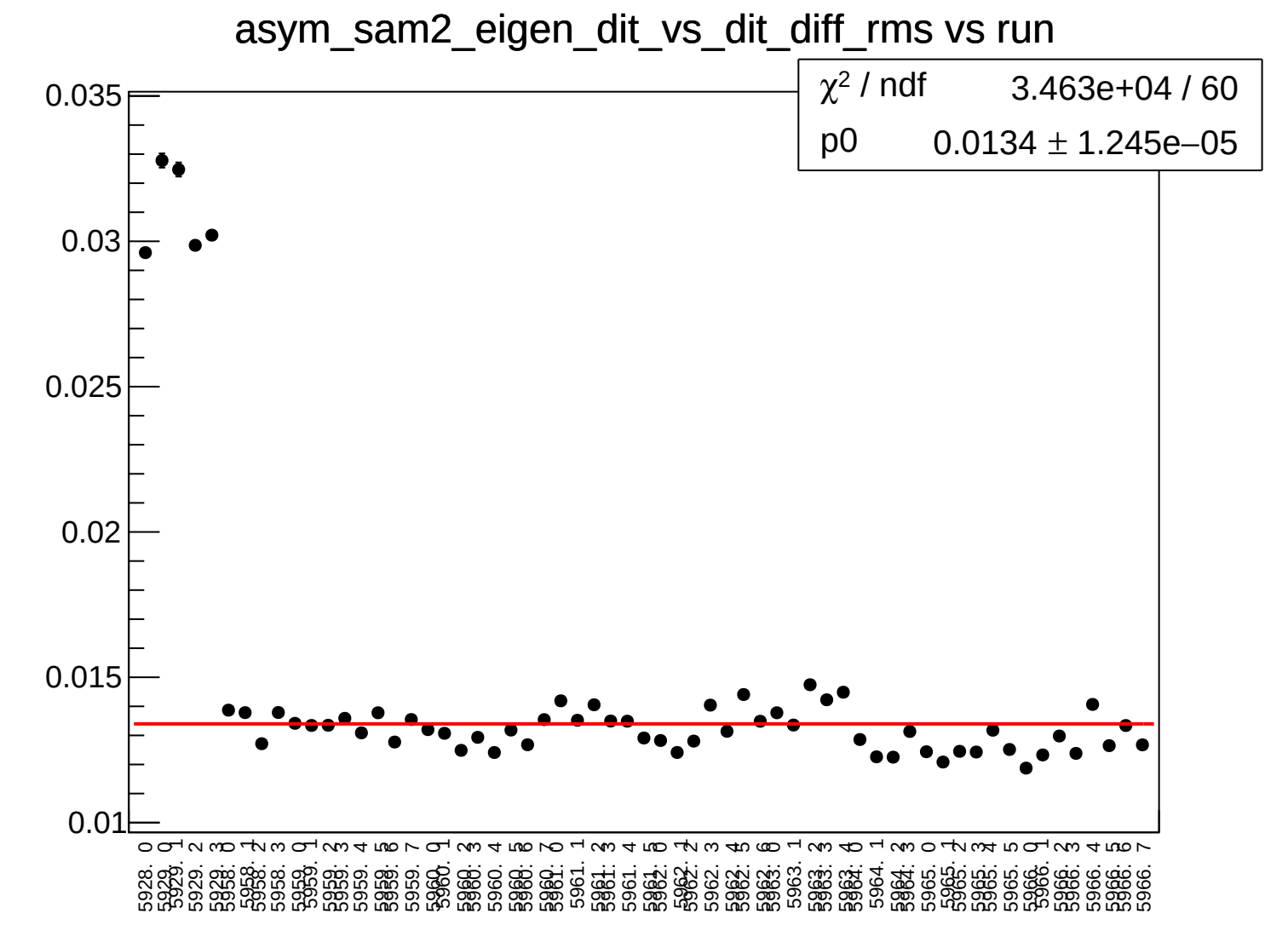

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.07 / 60
p0 −0.0312 ± 0.1403
pull
Entries 61
Mean 90.23
Std Dev 0

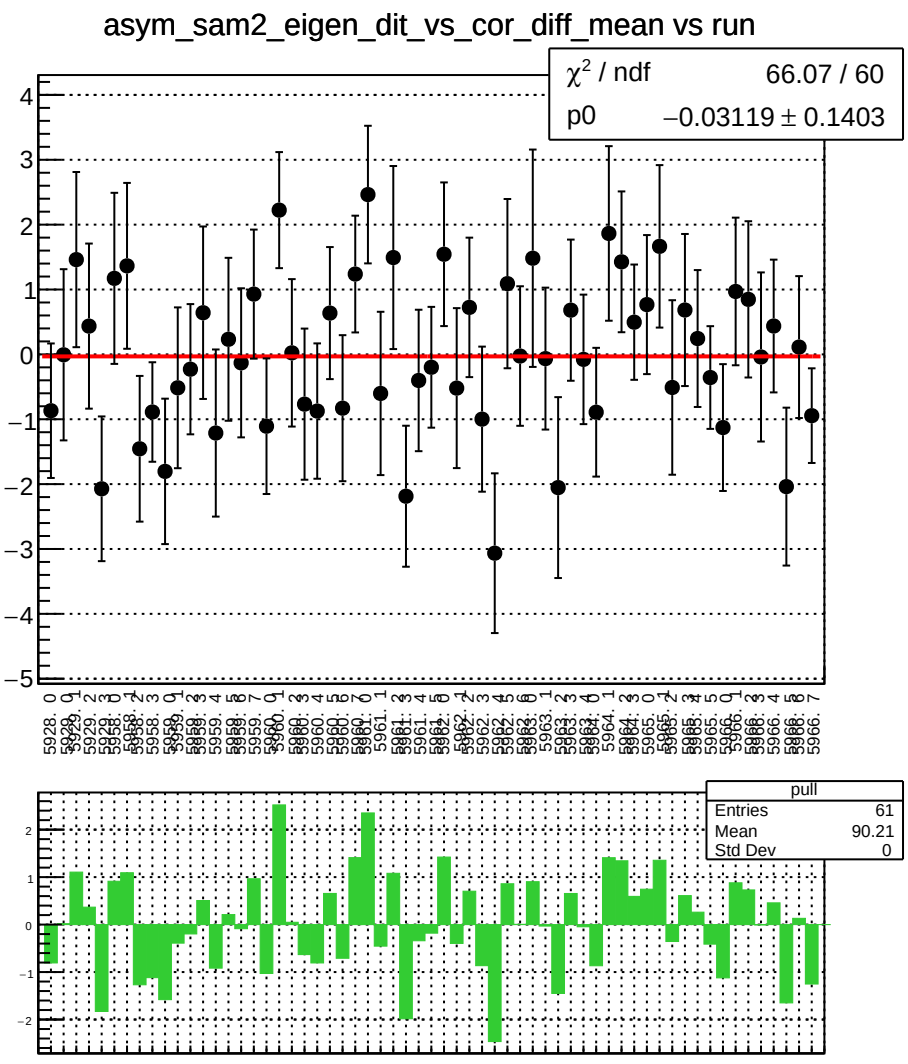

pull1D
Entries 61
Mean 0.01741
Std Dev 1.041

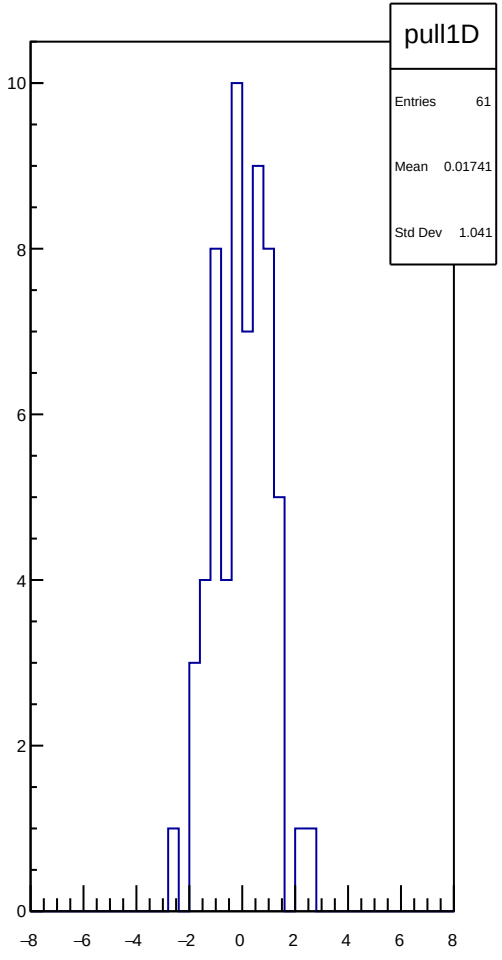

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.652e+04 / 60
p0 107.6 ± 0.09919
160
150
140
130
120
110
100
90
80

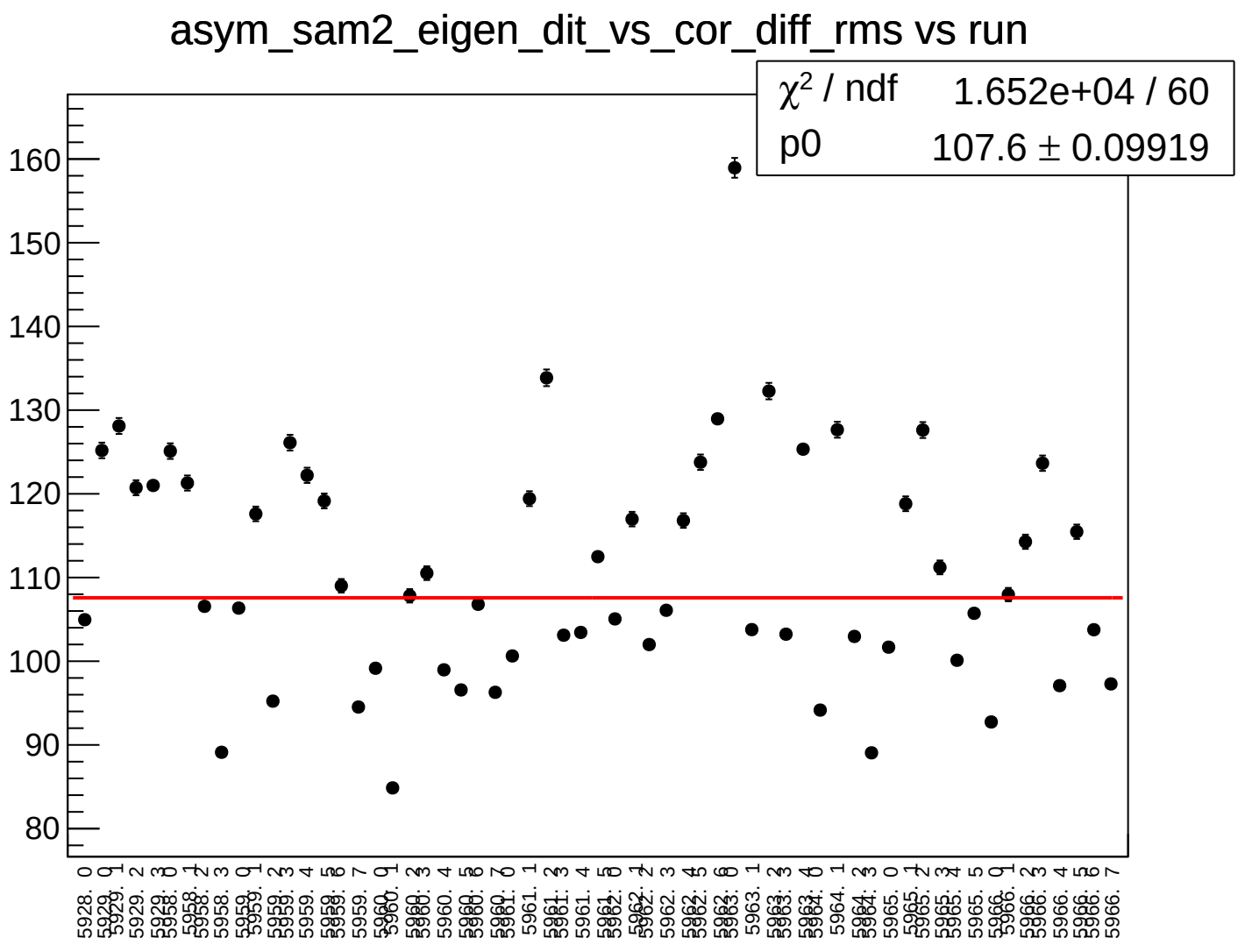

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.84 / 60
p0 1.028e−05 ± 1.761e−05
pull
Entries 61
Mean −169
Std Dev 0

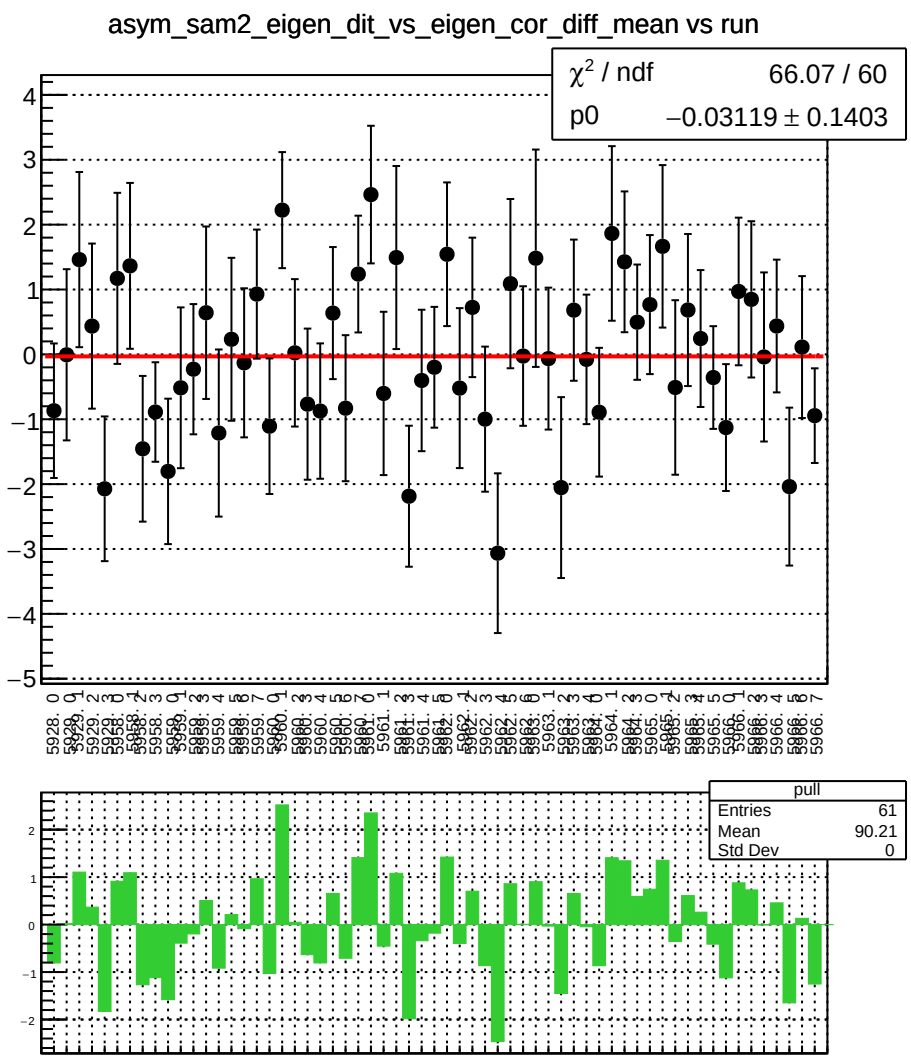

pull1D
Entries 61
Mean 0.006895
Std Dev 1.039

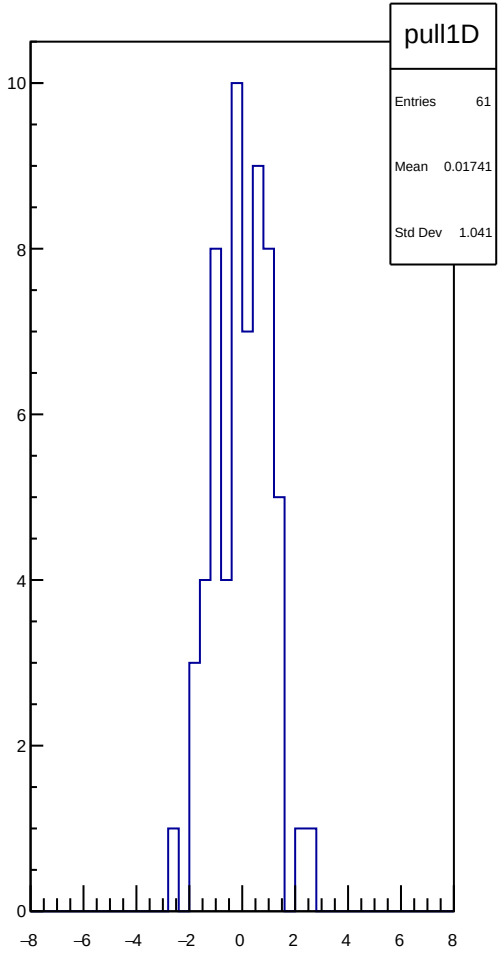

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.463e+04 / 60
p0 0.0134 ± 1.245e−05
0.035
0.03
0.025
0.02
0.015
0.01

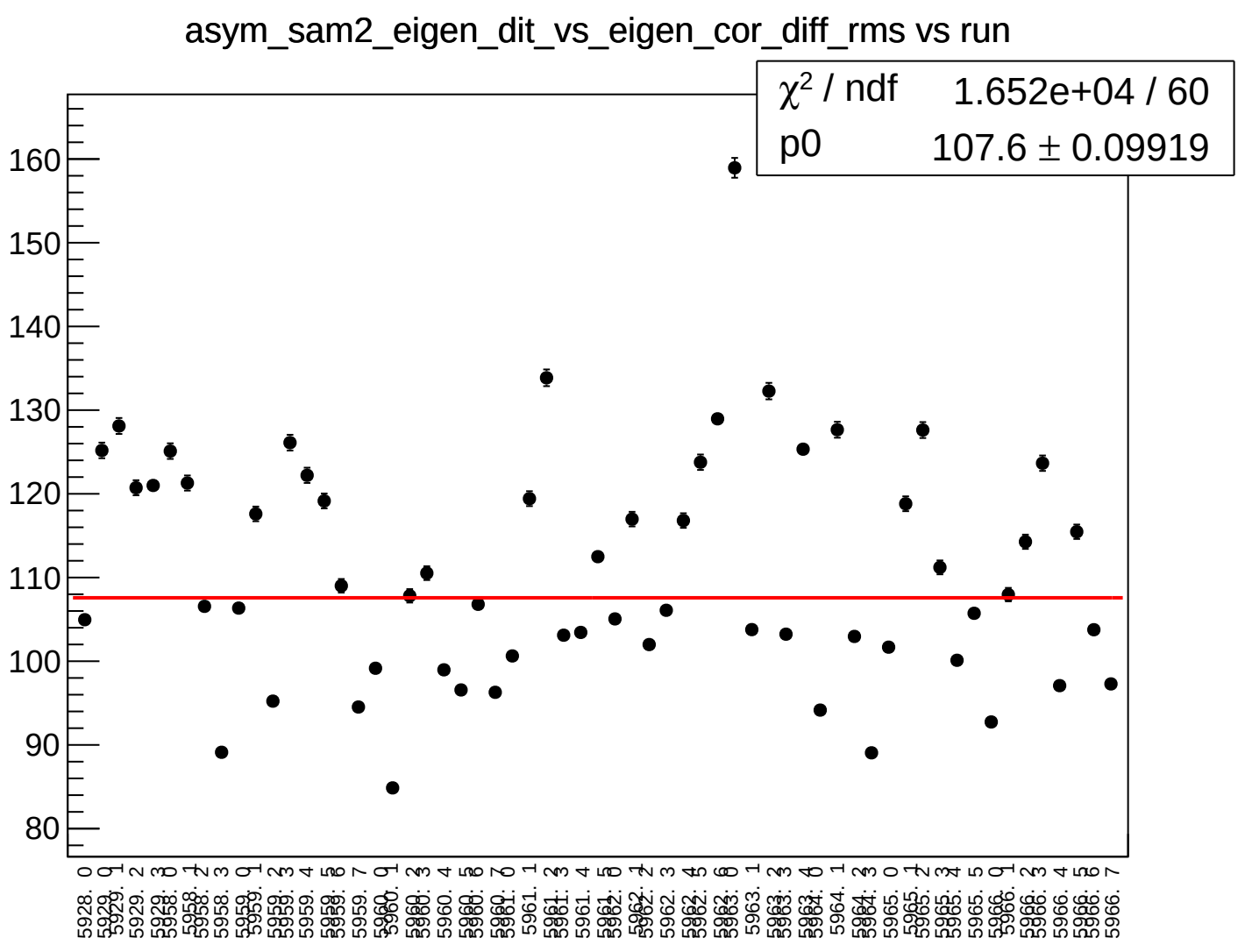

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.07 / 60
p0 −0.03119 ± 0.1403
pull
Entries 61
Mean 90.21
Std Dev 0

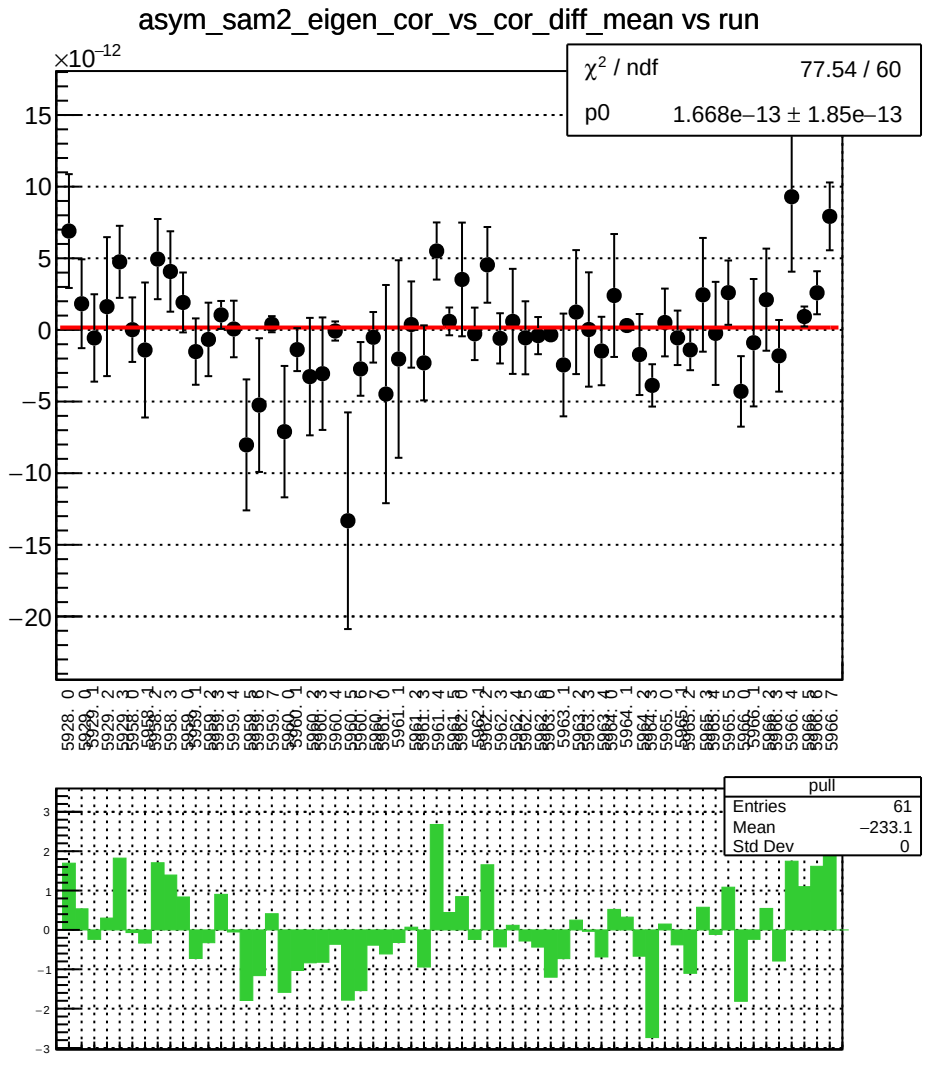

pull1D
Entries 61
Mean 0.01741
Std Dev 1.041

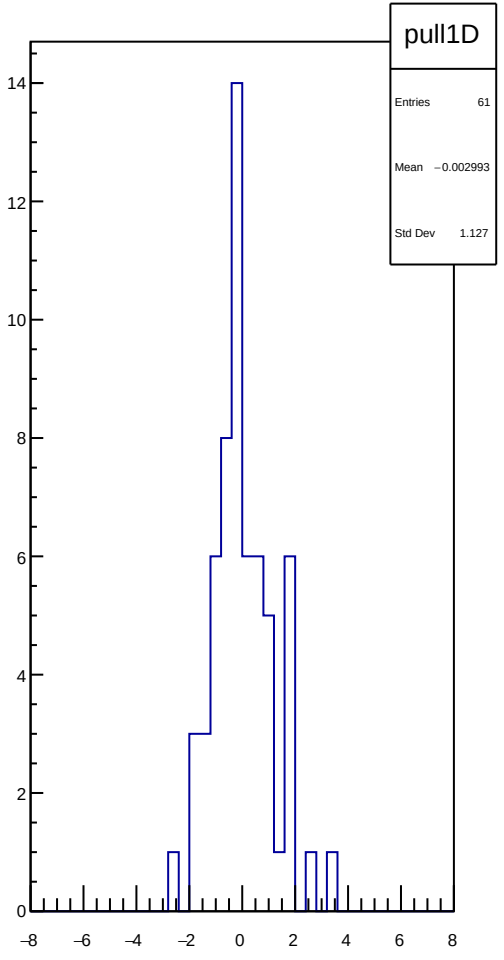

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.652e+04 / 60
p0 107.6 ± 0.09919
160
150
140
130
120
110
100
90
80

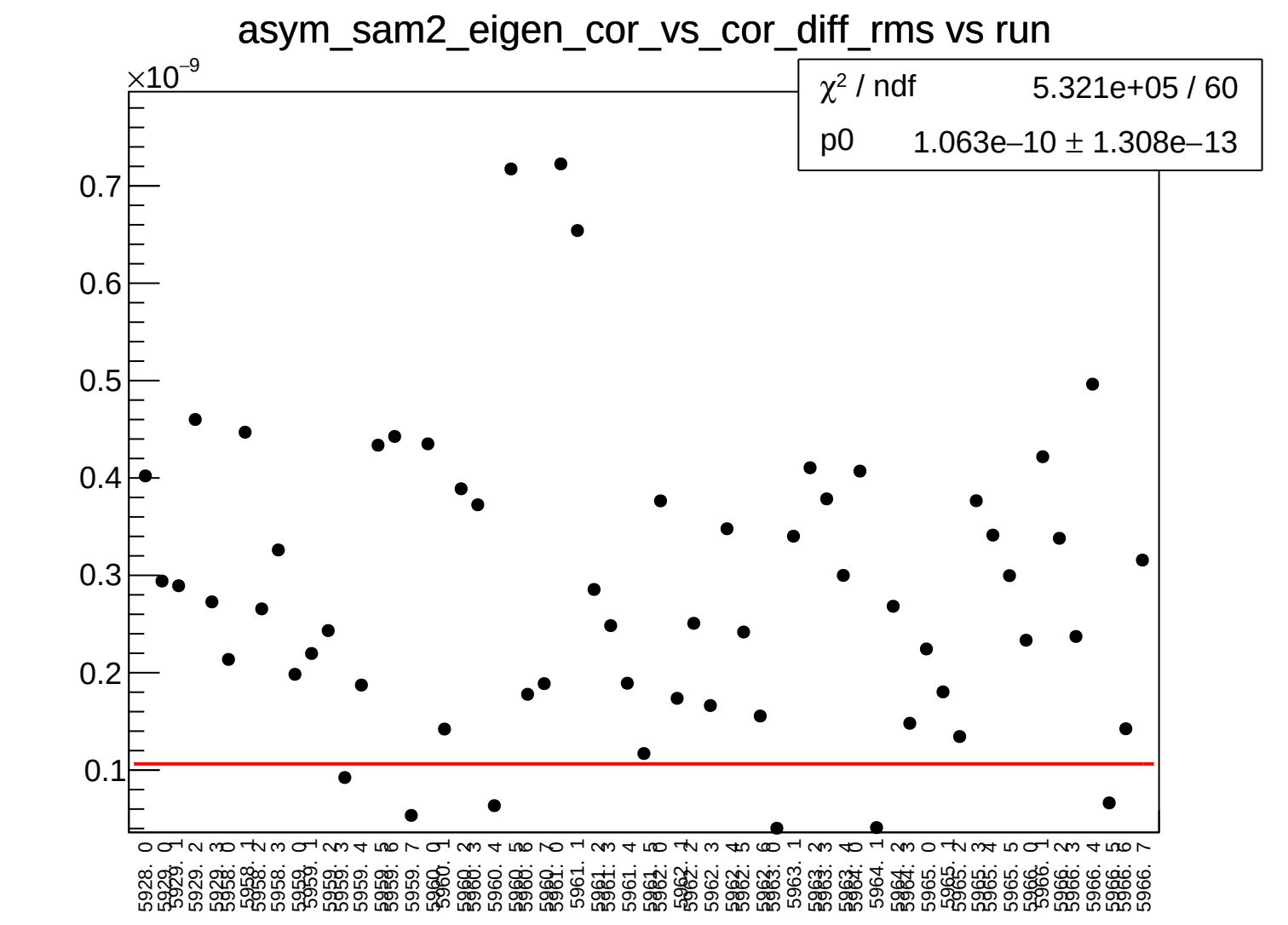

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.07 / 60
p0 −0.03119 ± 0.1403
pull
Entries 61
Mean 90.21
Std Dev 0

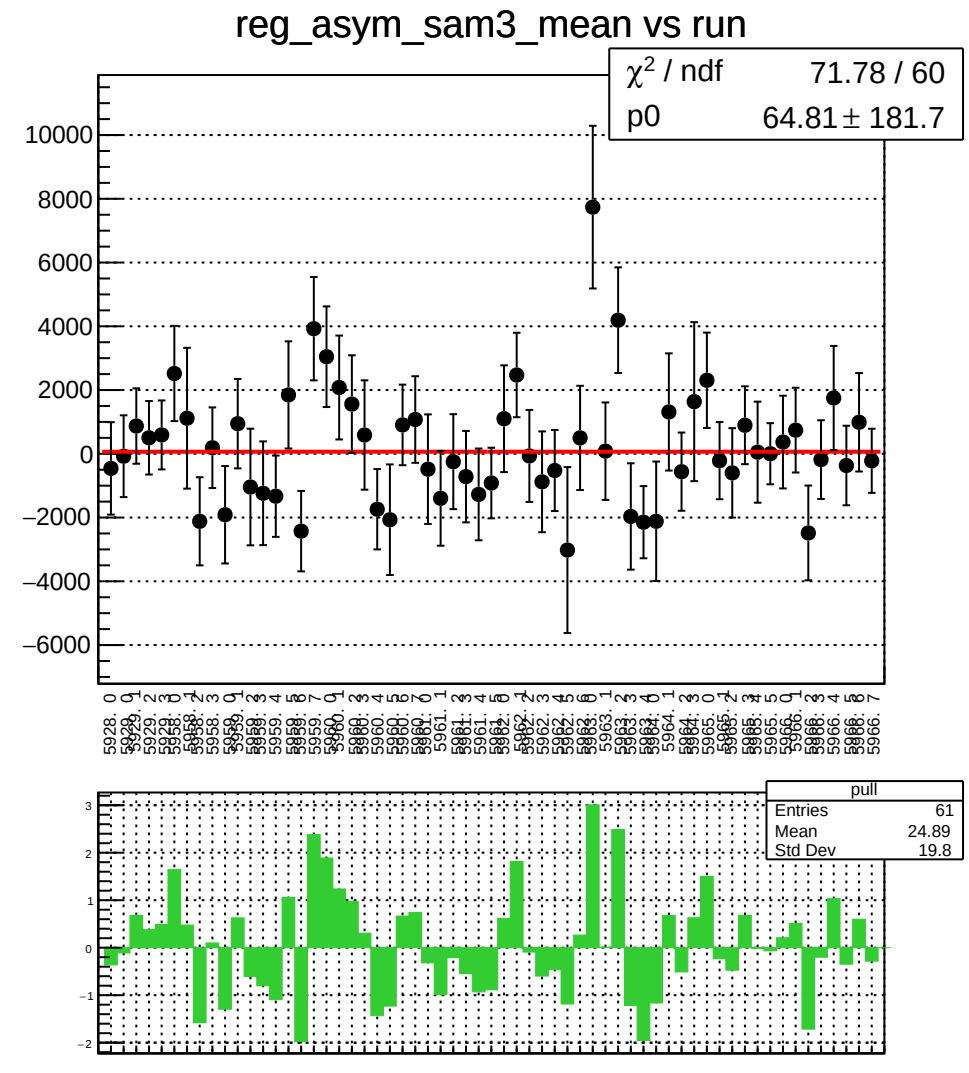

pull1D
Entries 61
Mean 0.01741
Std Dev 1.041

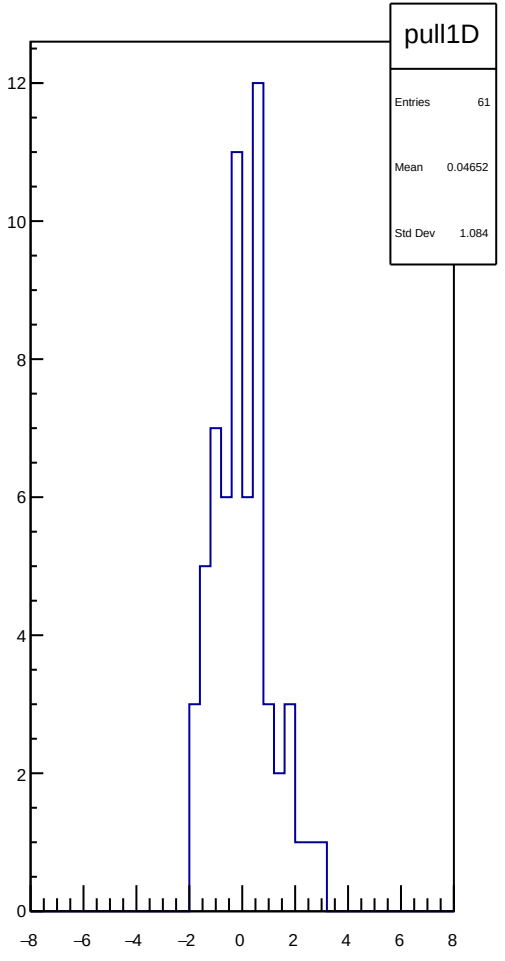

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.652e+04 / 60
p0 107.6 ± 0.09919
160
150
140
130
120
110
100
90
80

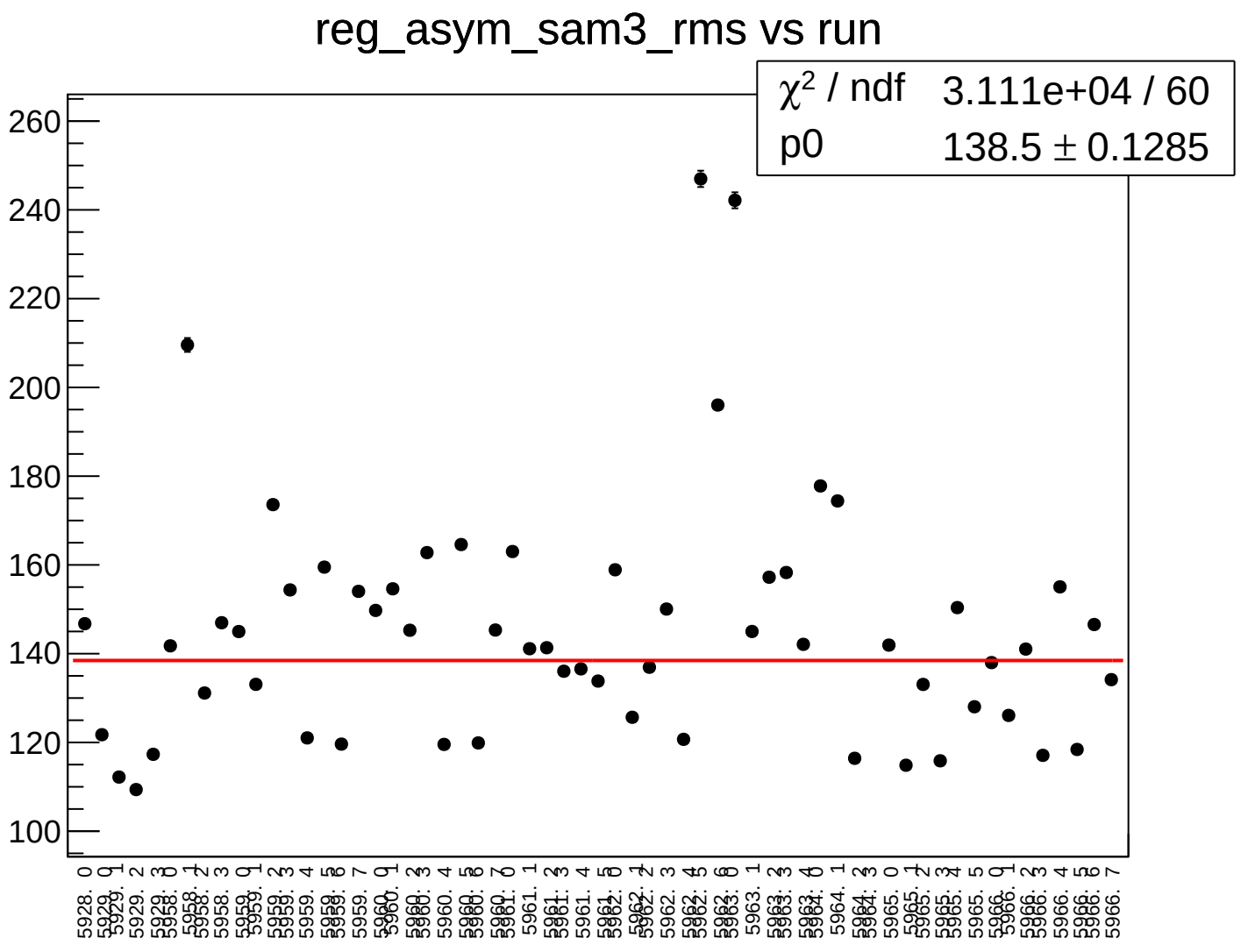

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.54 / 60
p0 1.668e−13 ± 1.85e−13
pull
Entries 61
Mean −233.1
Std Dev 0

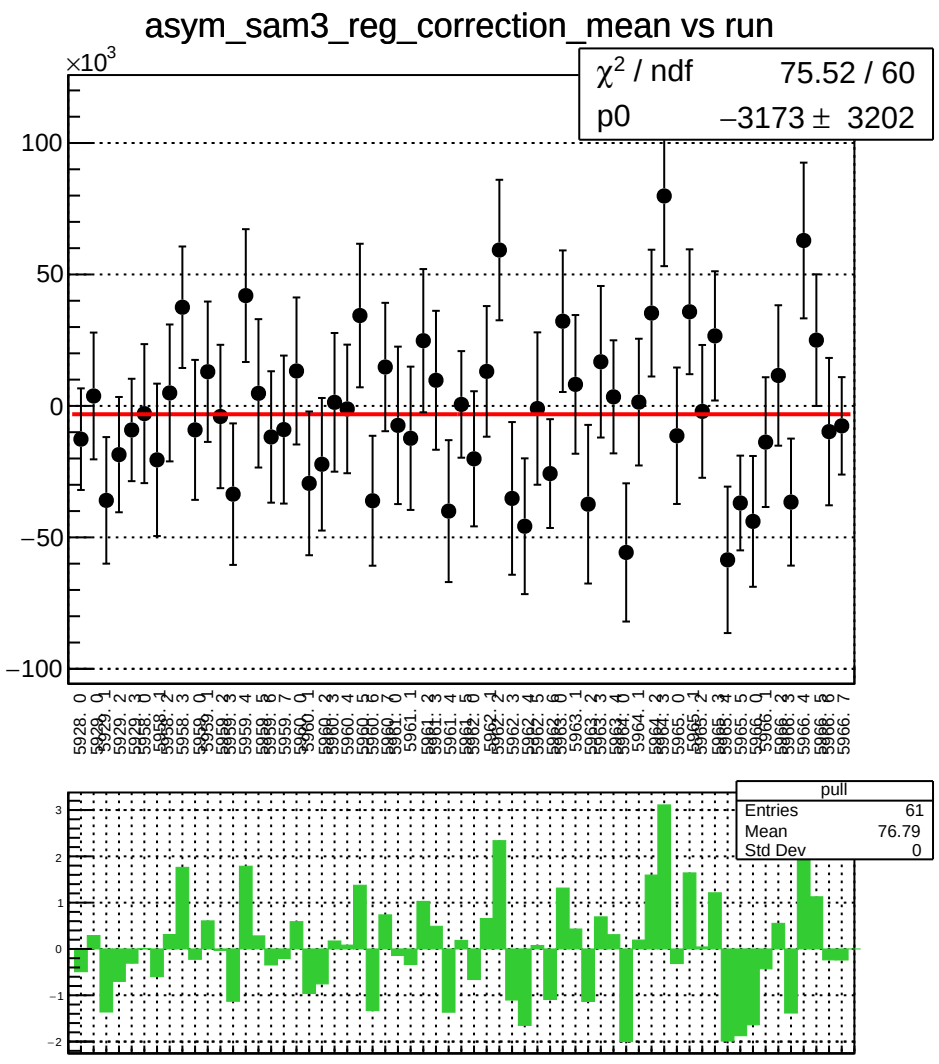

pull1D
Entries 61
Mean −0.002993
Std Dev 1.127

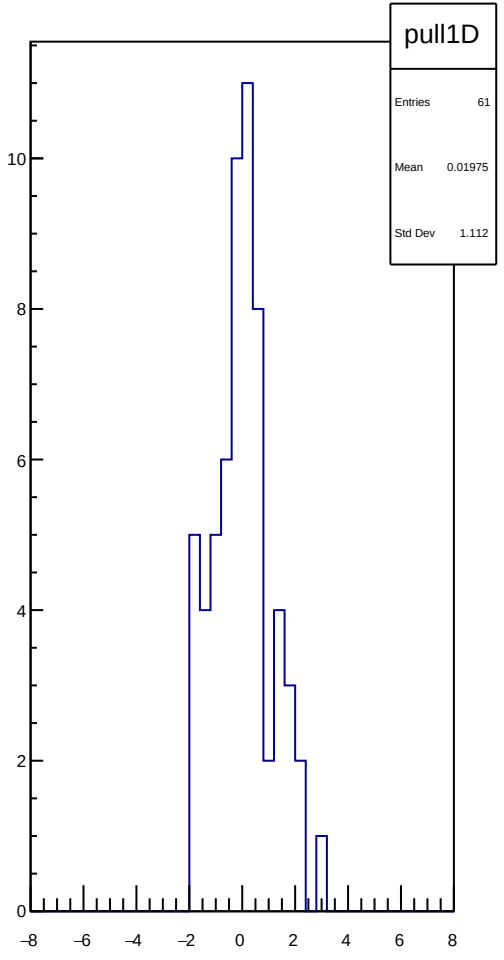

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.321e+05 / 60
p0 1.063e−10 ± 1.308e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

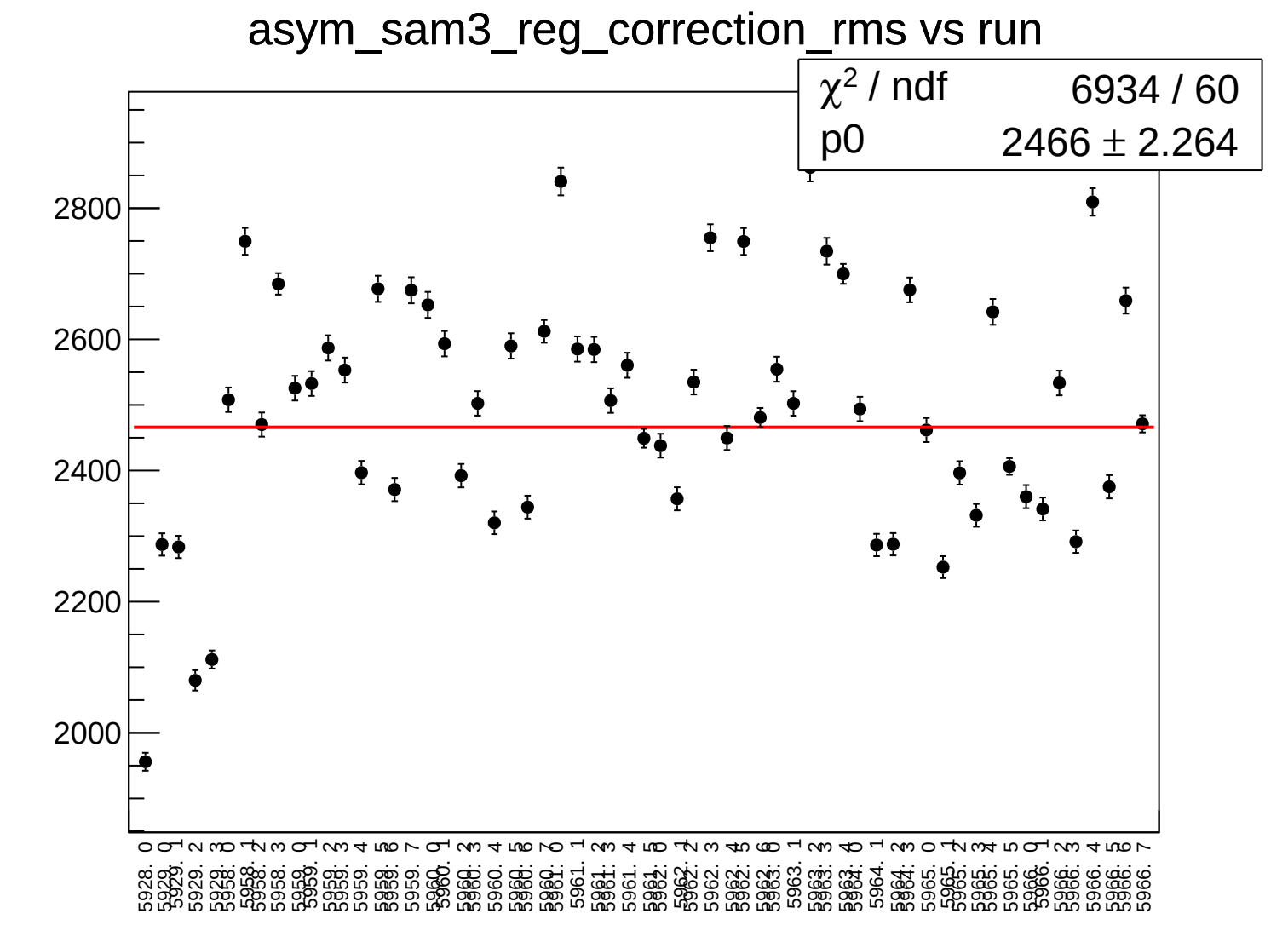

reg_asym_sam3_mean vs run
χ² / ndf 71.78 / 60
p0 64.81 ± 181.7
pull
Entries 61
Mean 24.89
Std Dev 19.8

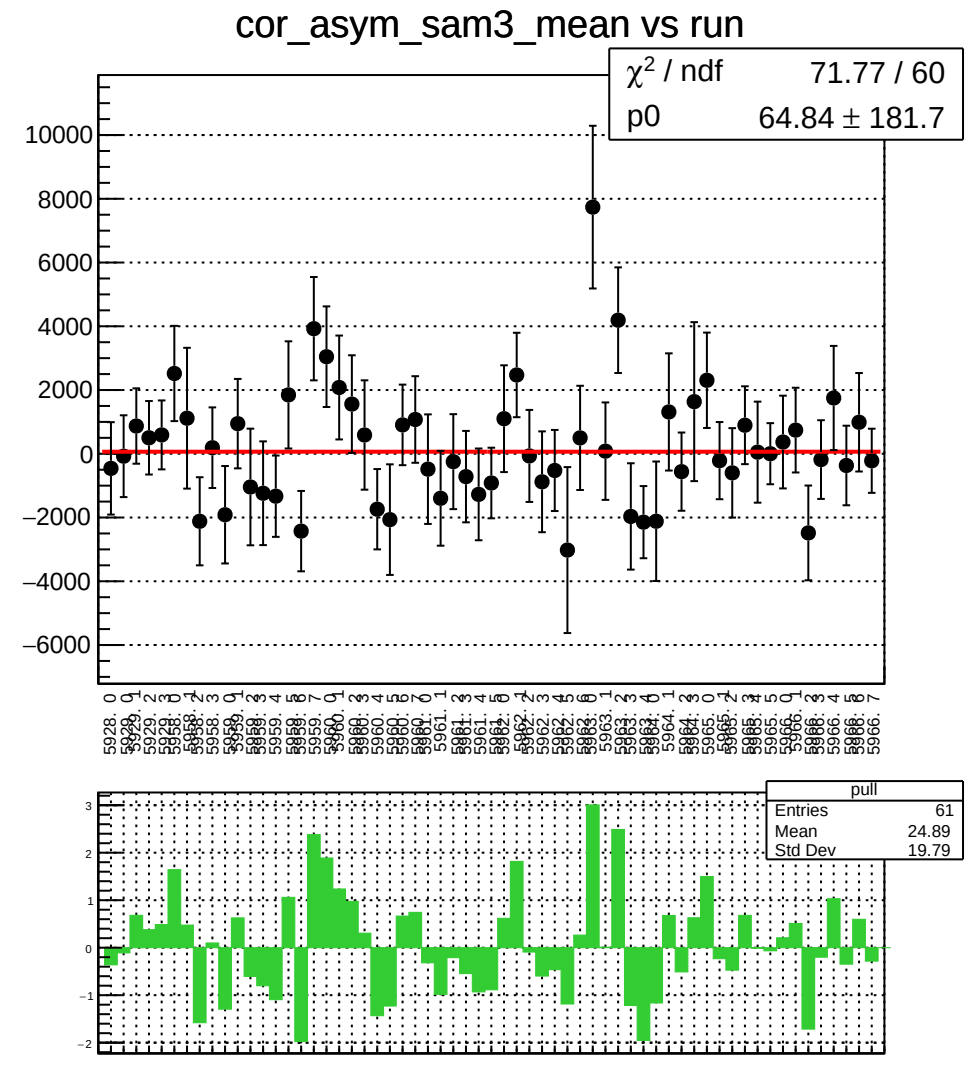

pull1D
Entries 61
Mean 0.04652
Std Dev 1.084

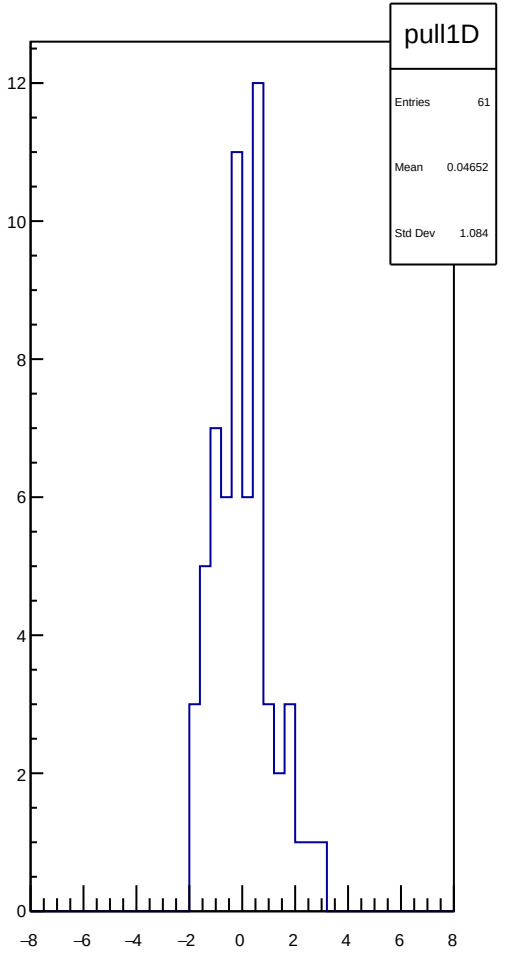

reg_asym_sam3_rms vs run
χ² / ndf 3.111e+04 / 60
p0 138.5 ± 0.1285
260
240
220
200
180
160
140
120
100

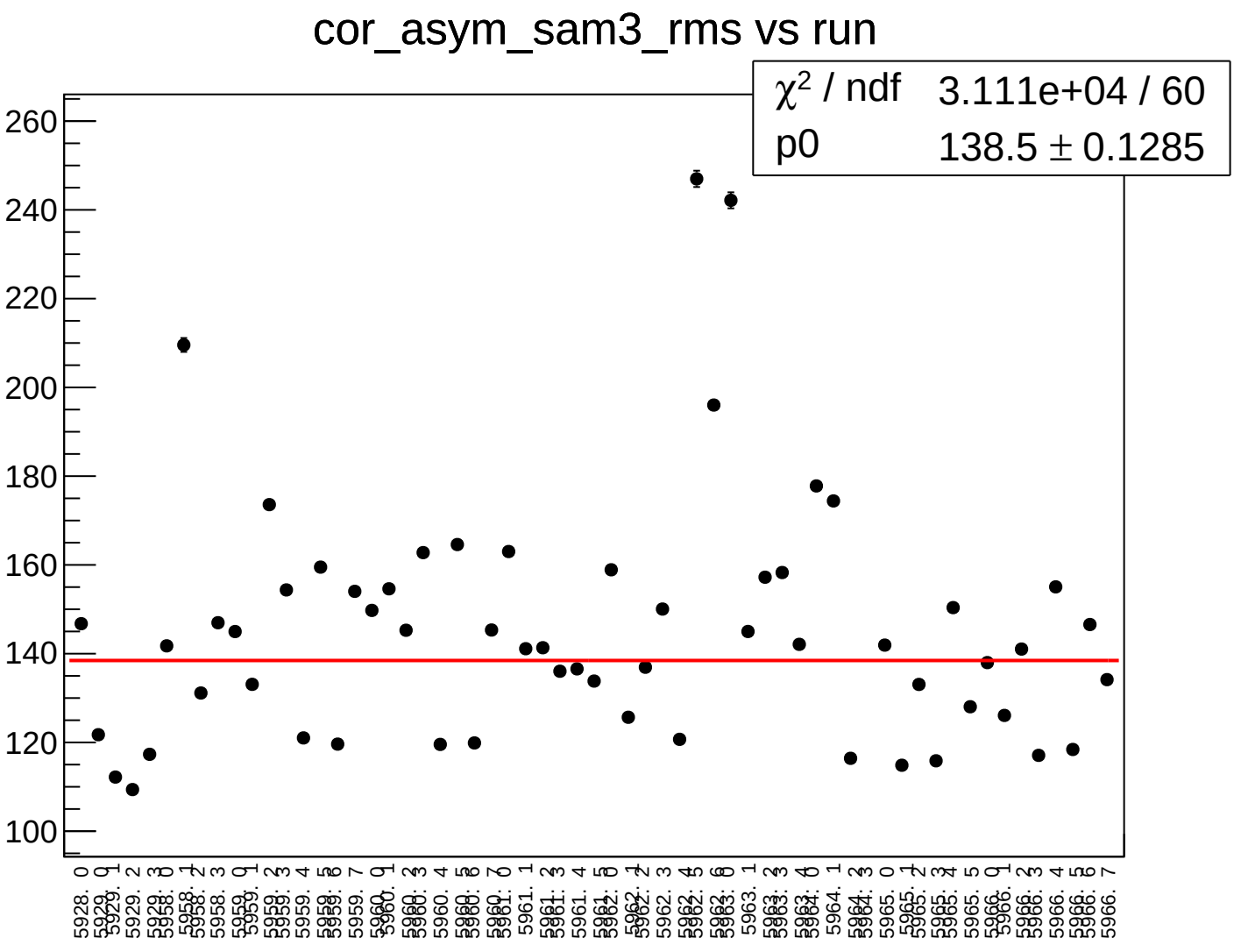

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 75.52 / 60
p0 −3173 ± 3202
100
50
0
−50
−100
pull
Entries 61
Mean 76.79
Std Dev 0
3
2
1
0
−1
−2

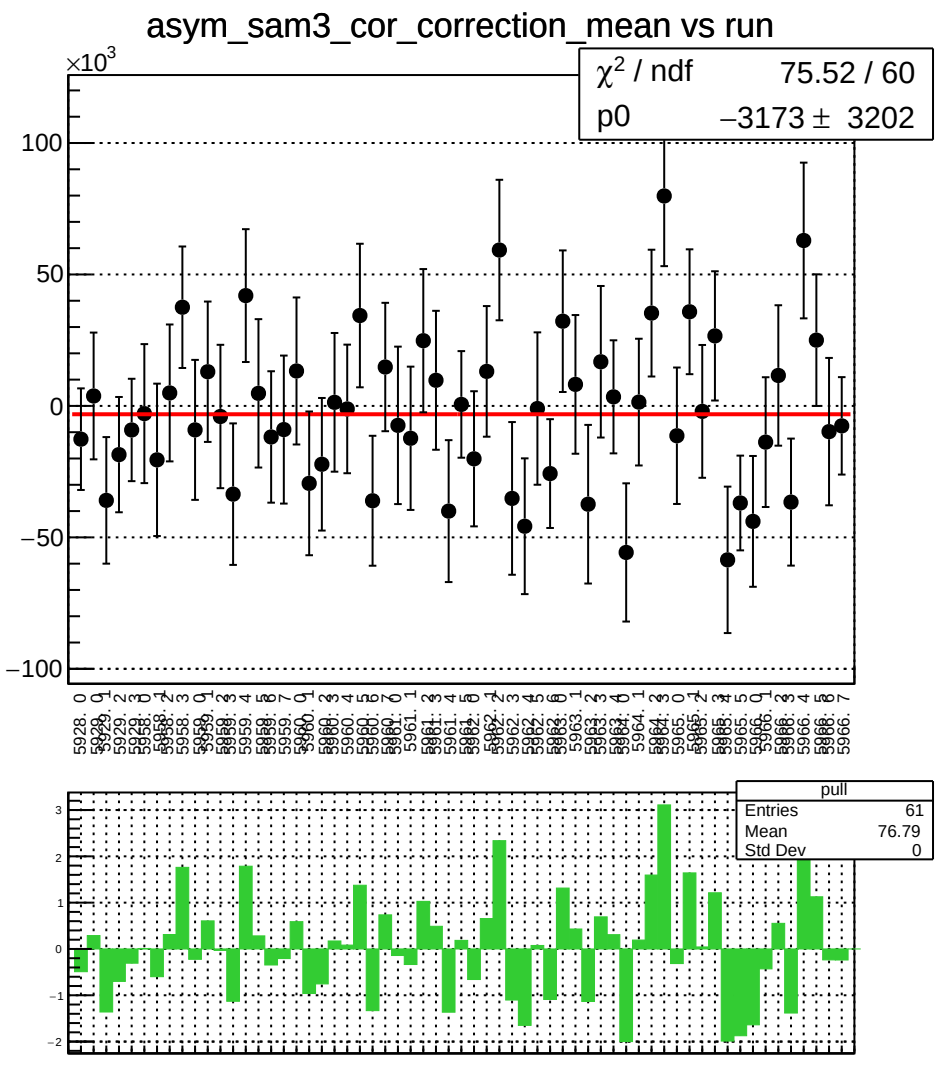

pull1D
Entries 61
Mean 0.01975
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

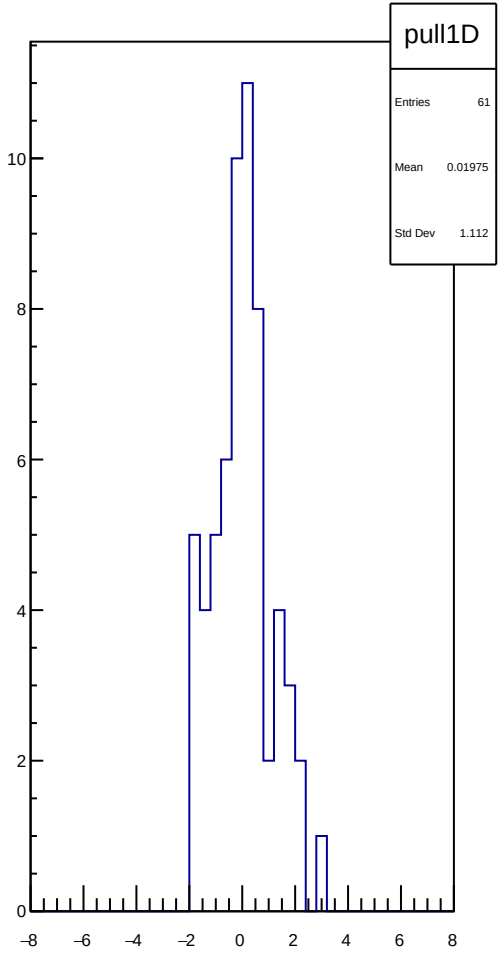

asym_sam3_reg_correction_rms vs run
χ² / ndf 6934 / 60
p0 2466 ± 2.264
2800
2600
2400
2200
2000

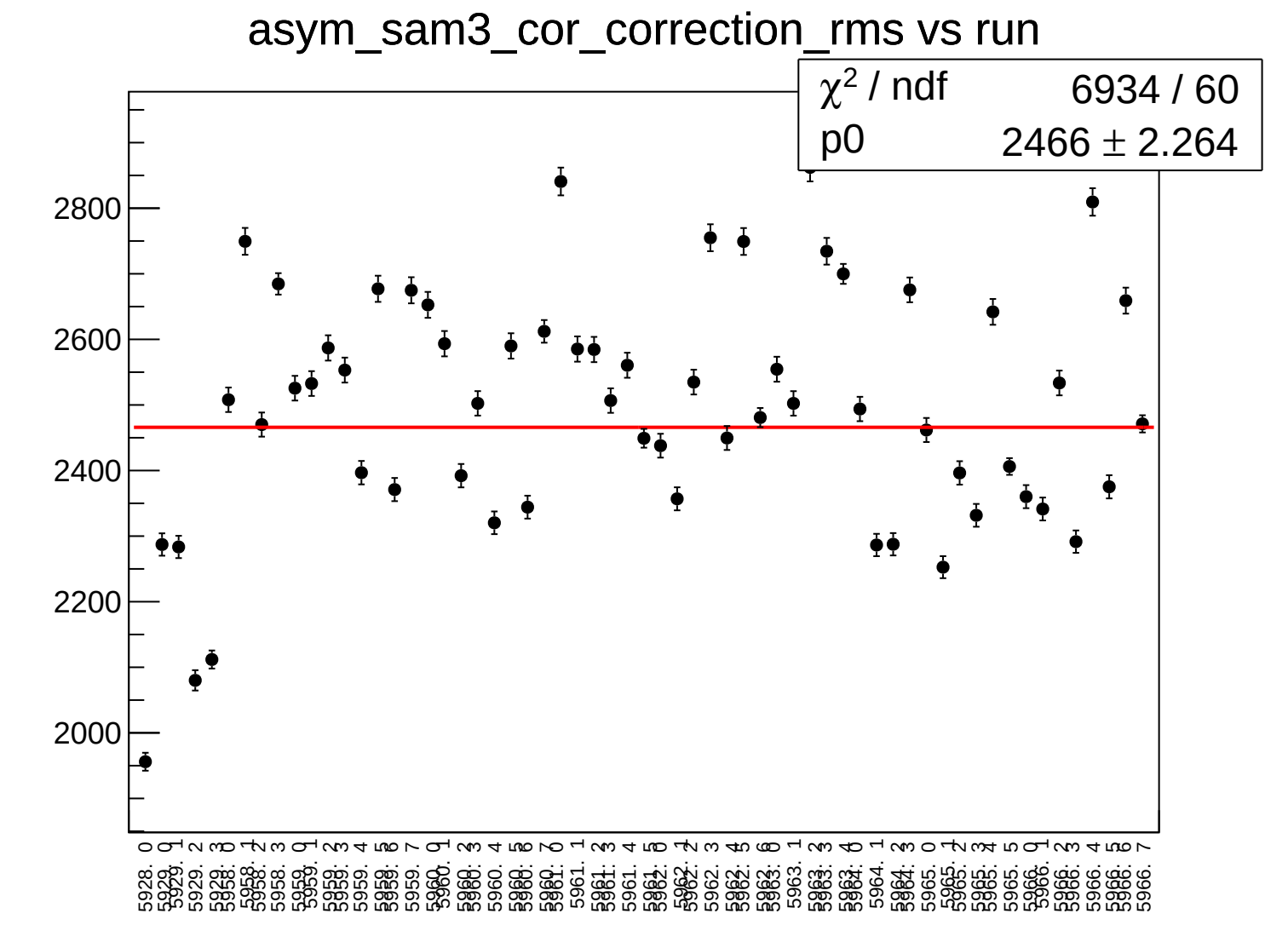

cor_asym_sam3_mean vs run
χ² / ndf 71.77 / 60
p0 64.84 ± 181.7
pull
Entries 61
Mean 24.89
Std Dev 19.79

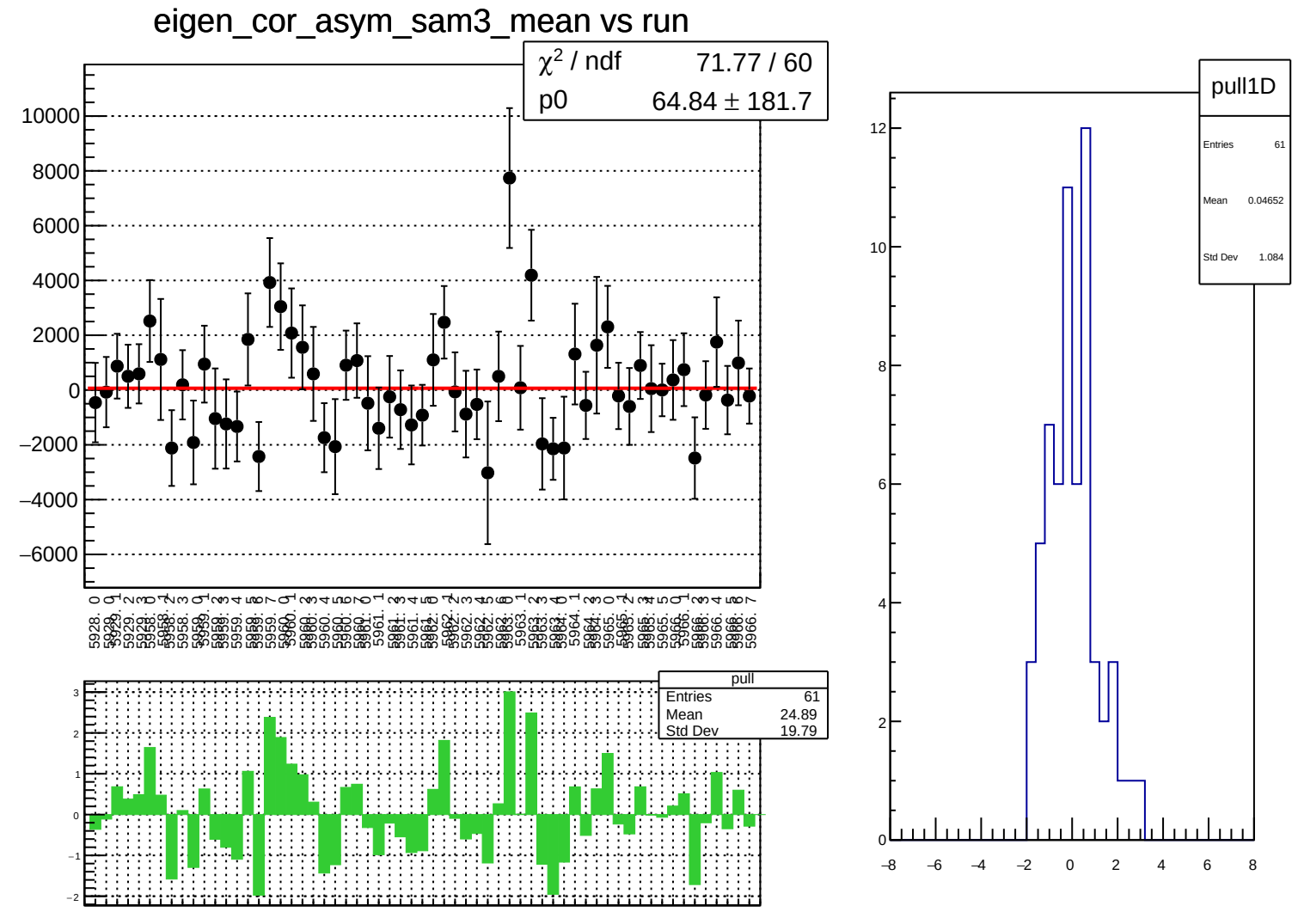

pull1D
Entries 61
Mean 0.04652
Std Dev 1.084

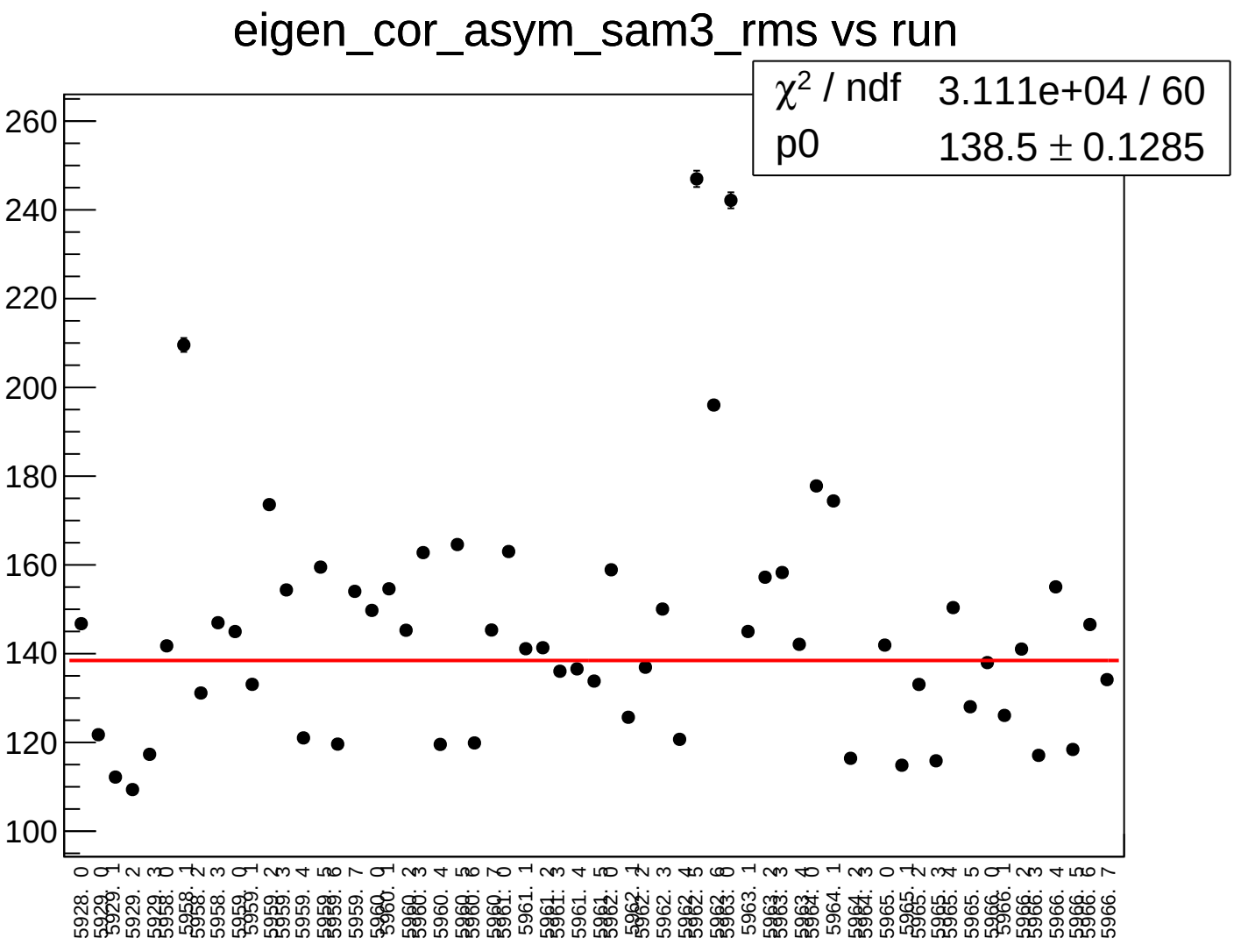

cor_asym_sam3_rms vs run
χ² / ndf 3.111e+04 / 60
p0 138.5 ± 0.1285
260
240
220
200
180
160
140
120
100

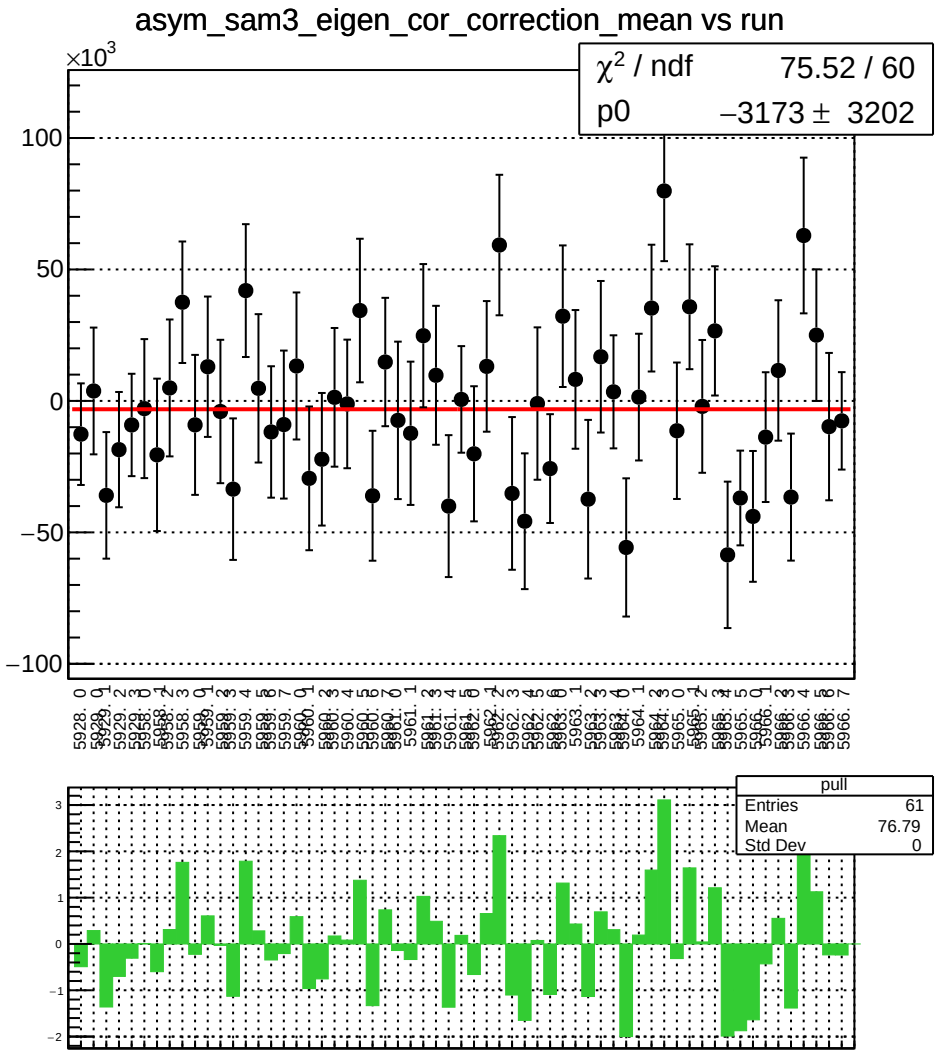

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 75.52 / 60
p0 −3173 ± 3202
100
50
0
−50
−100
pull
Entries 61
Mean 76.79
Std Dev 0
3
2
1
0
−1
−2

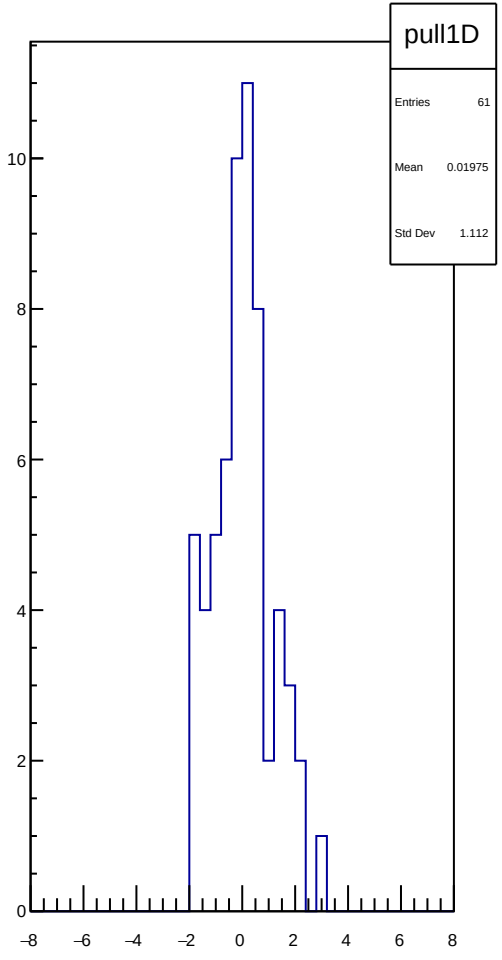

pull1D
Entries 61
Mean 0.01975
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

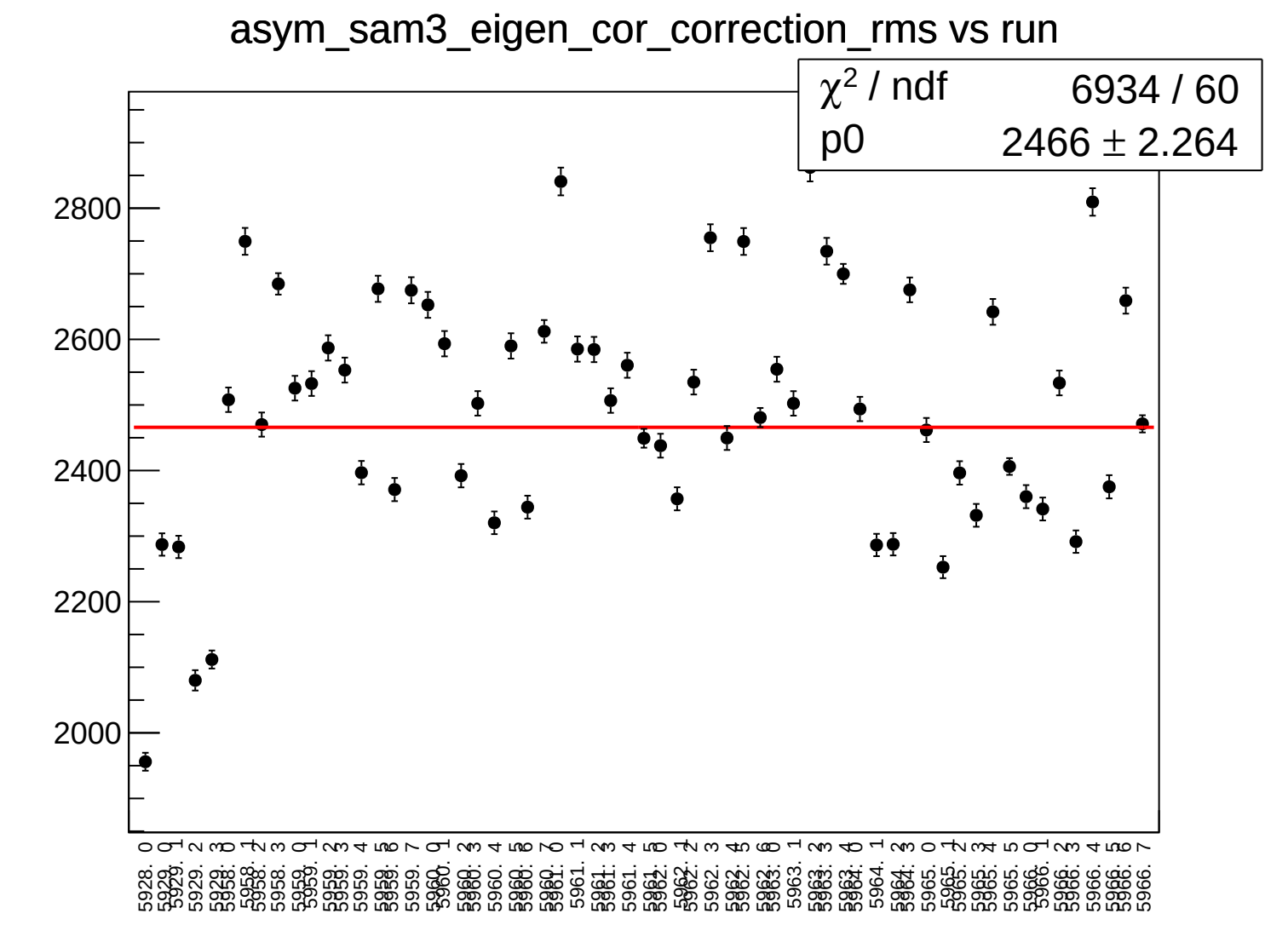

asym_sam3_cor_correction_rms vs run
χ² / ndf 6934 / 60
p0 2466 ± 2.264
2800
2600
2400
2200
2000

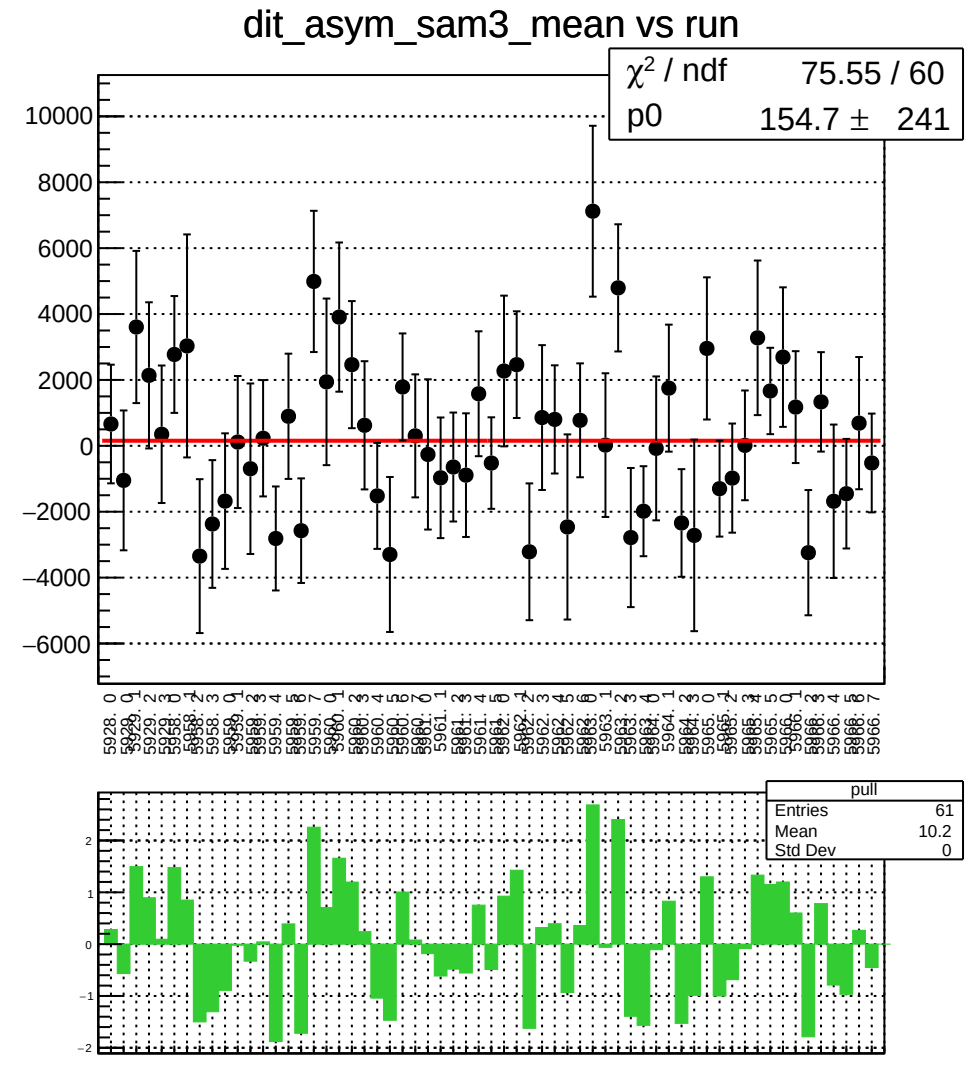

eigen_cor_asym_sam3_mean vs run
χ² / ndf 71.77 / 60
p0 64.84 ± 181.7
pull
Entries 61
Mean 24.89
Std Dev 19.79
pull1D
Entries 61
Mean 0.04652
Std Dev 1.084

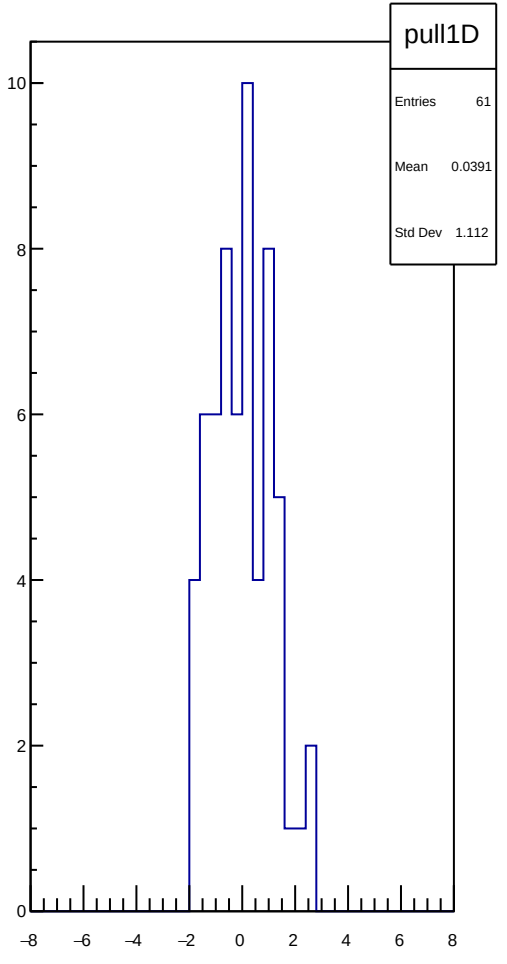

eigen_cor_asym_sam3_rms vs run
χ² / ndf 3.111e+04 / 60
p0 138.5 ± 0.1285
260
240
220
200
180
160
140
120
100

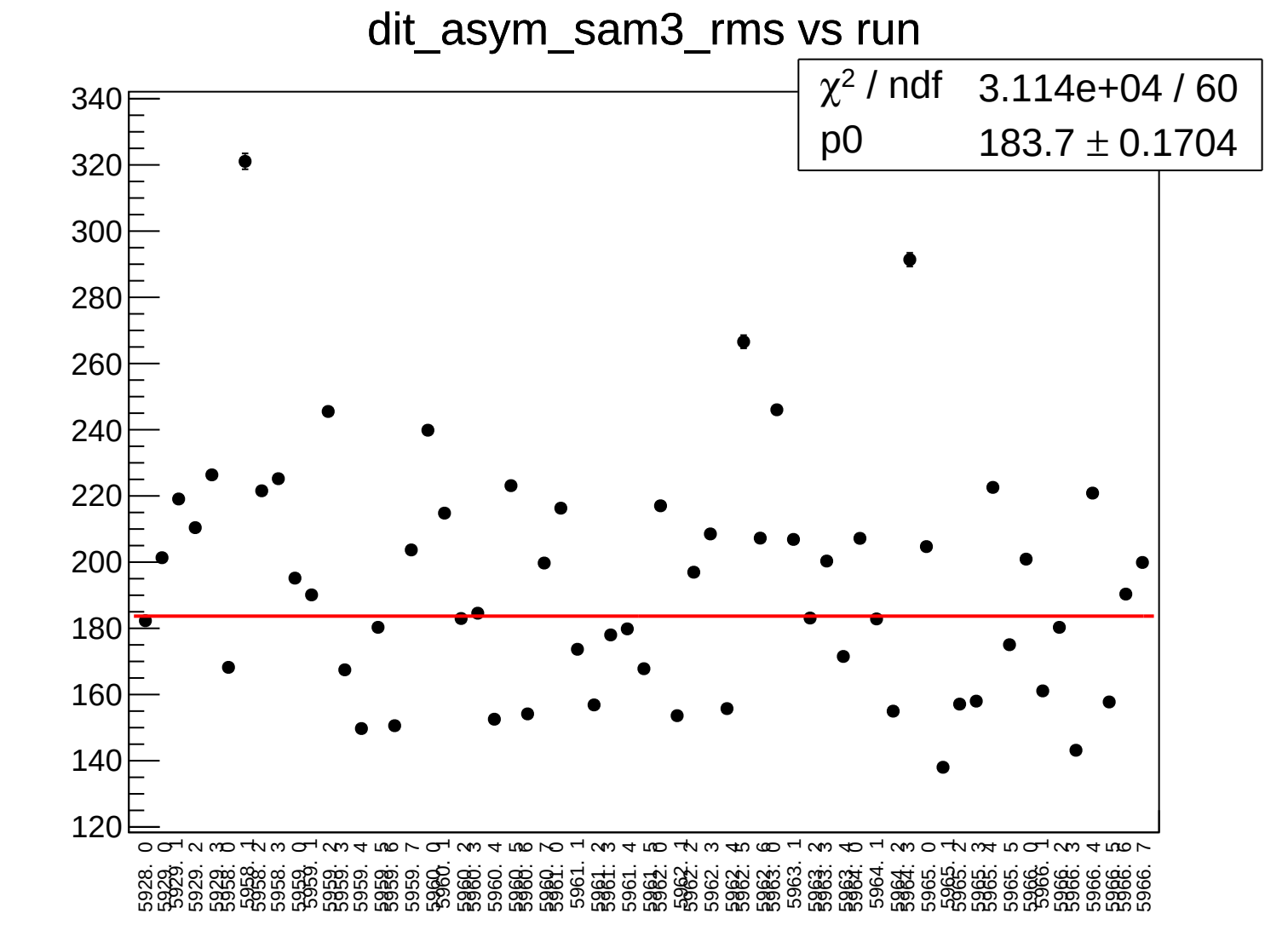

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 75.52 / 60
p0 −3173 ± 3202
100
50
0
−50
−100
pull
Entries 61
Mean 76.79
Std Dev 0
3
2
1
0
−1
−2

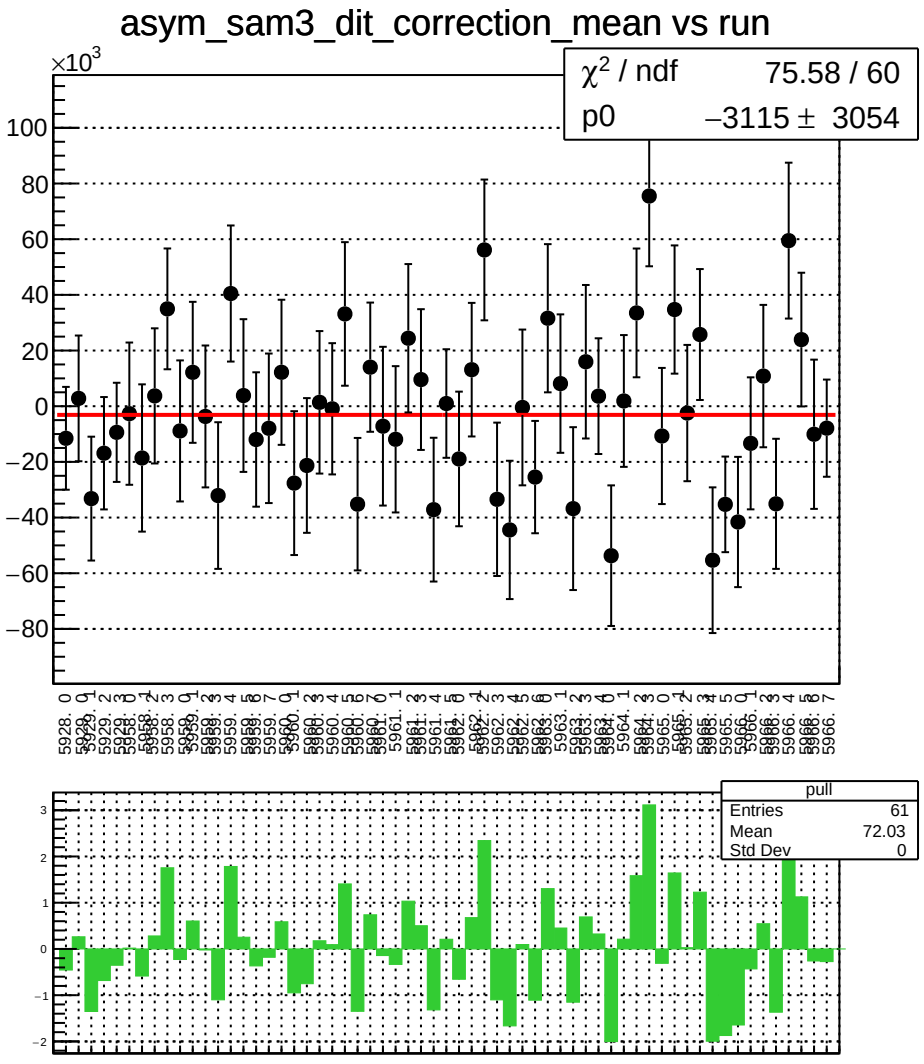

pull1D
Entries 61
Mean 0.01975
Std Dev 1.112
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

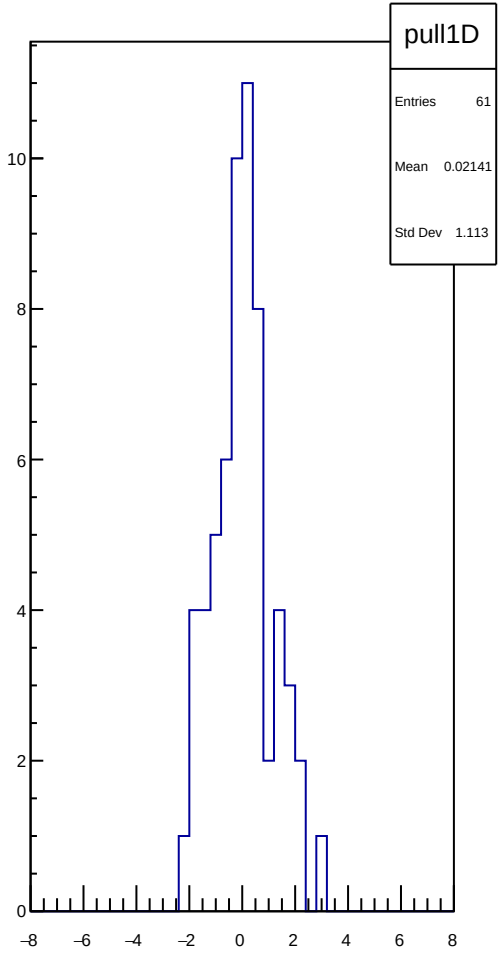

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 6934 / 60
p0 2466 ± 2.264
2800
2600
2400
2200
2000

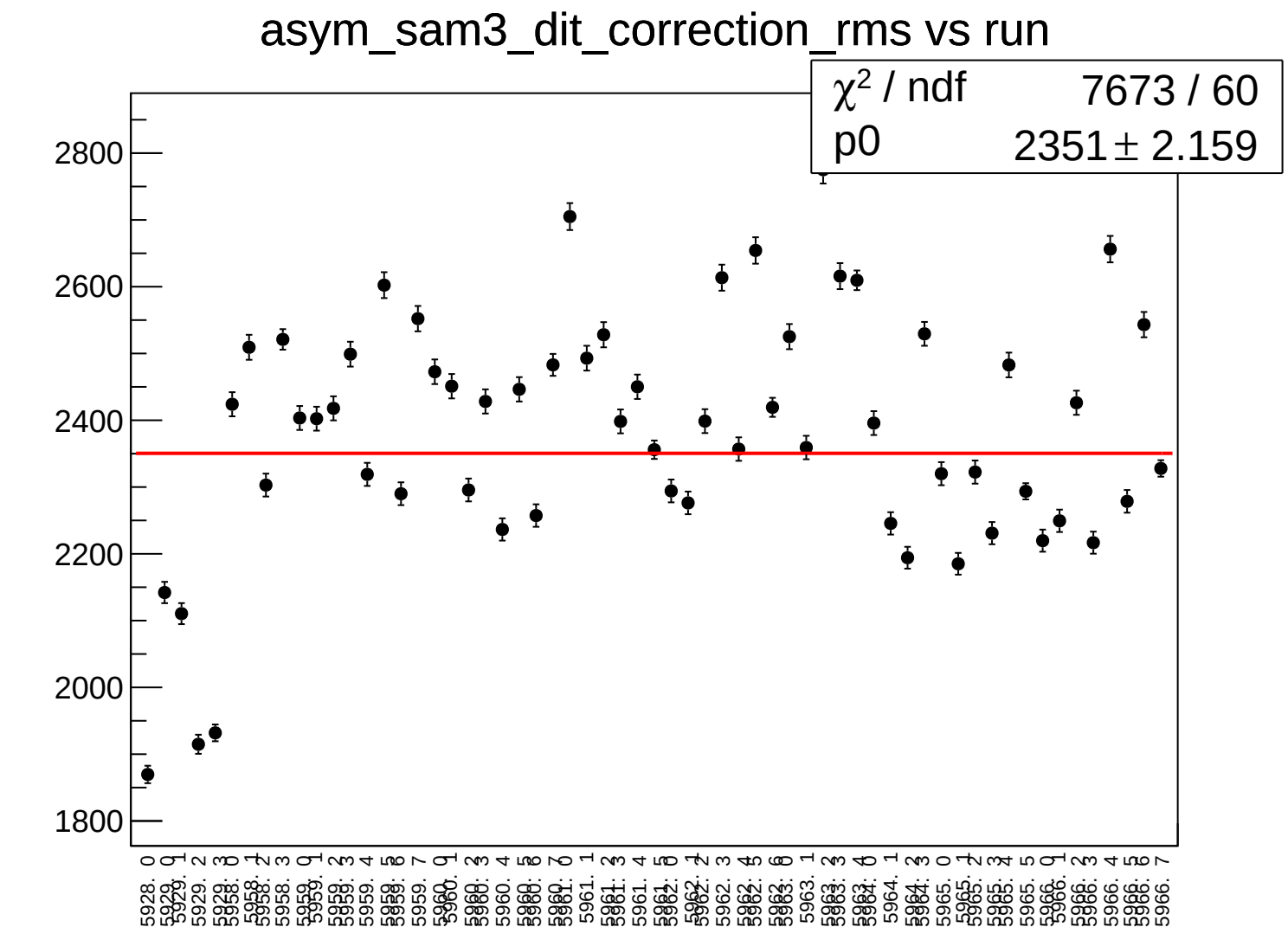

dit_asym_sam3_mean vs run
χ² / ndf 75.55 / 60
p0 154.7 ± 241
pull
Entries 61
Mean 10.2
Std Dev 0

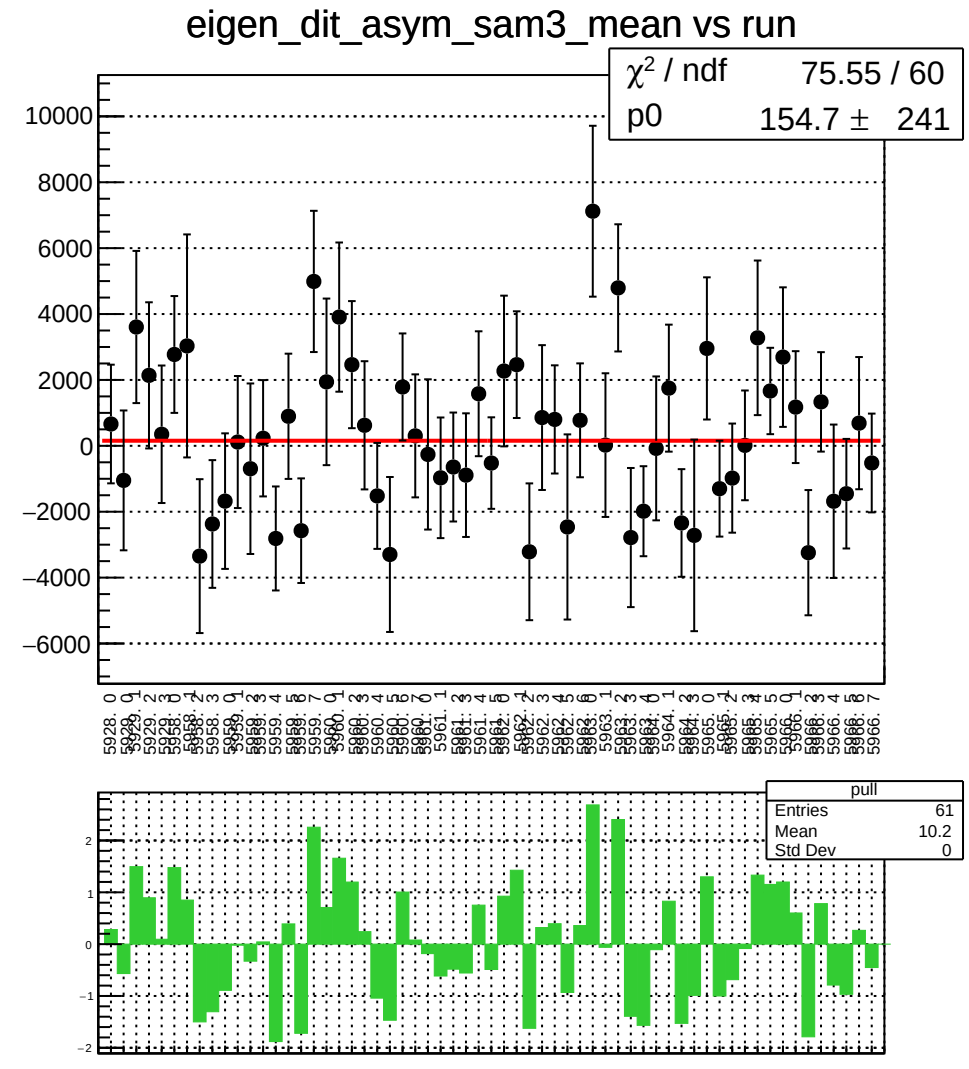

pull1D
Entries 61
Mean 0.0391
Std Dev 1.112

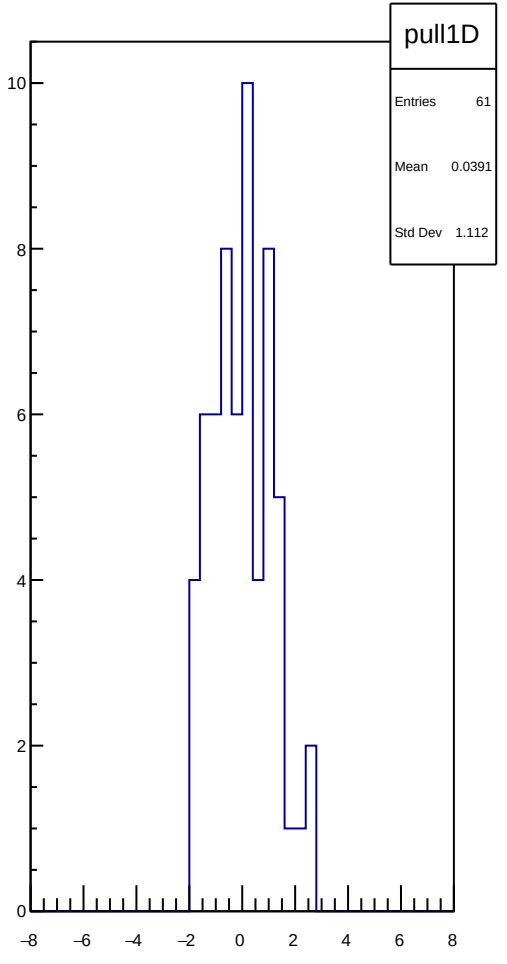

dit_asym_sam3_rms vs run
χ² / ndf 3.114e+04 / 60
p0 183.7 ± 0.1704
340
320
300
280
260
240
220
200
180
160
140
120

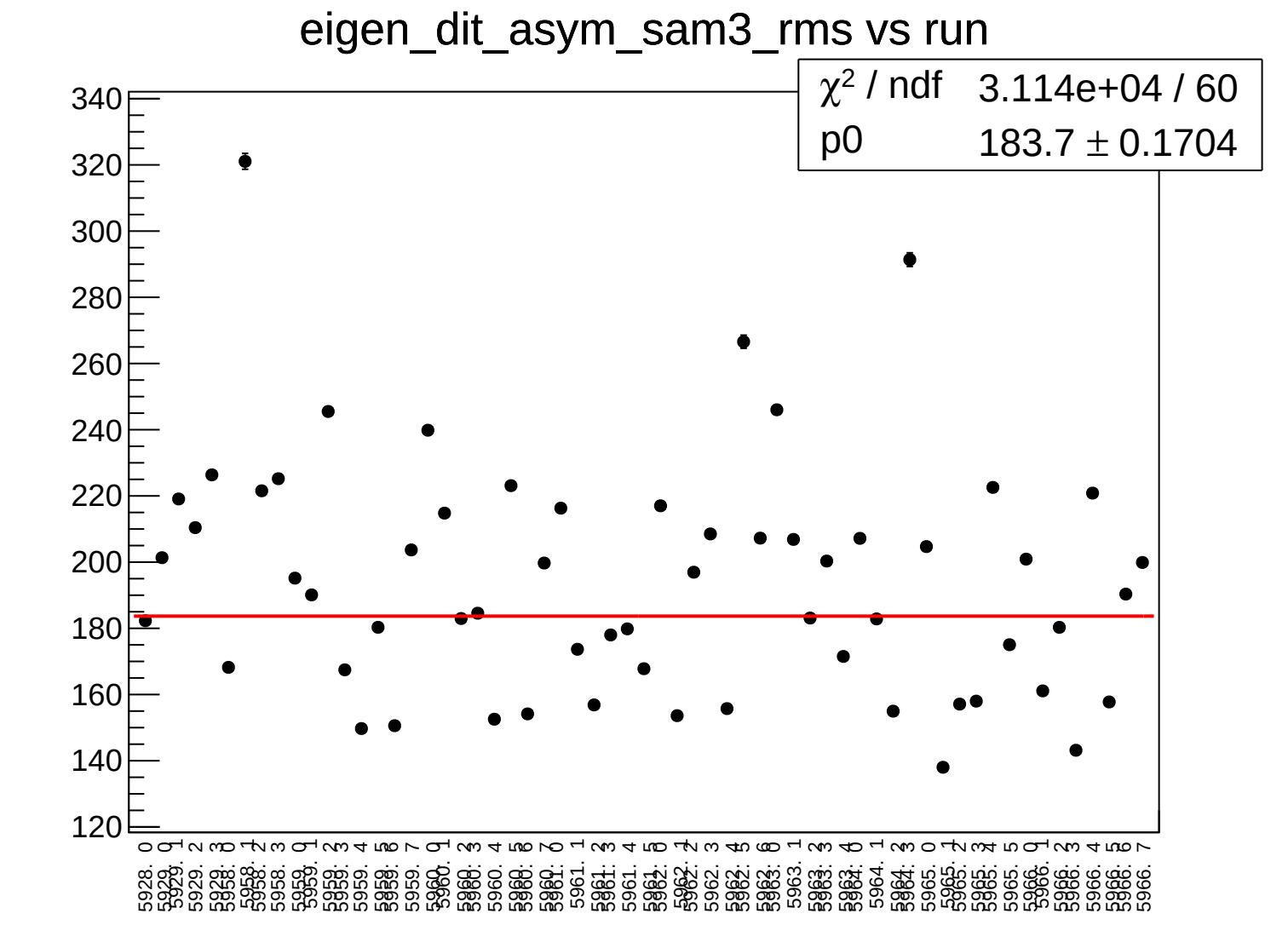

asym_sam3_dit_correction_mean vs run
×10^3
χ^2 / ndf 75.58 / 60
p0 −3115 ± 3054
pull
Entries 61
Mean 72.03
Std Dev 0

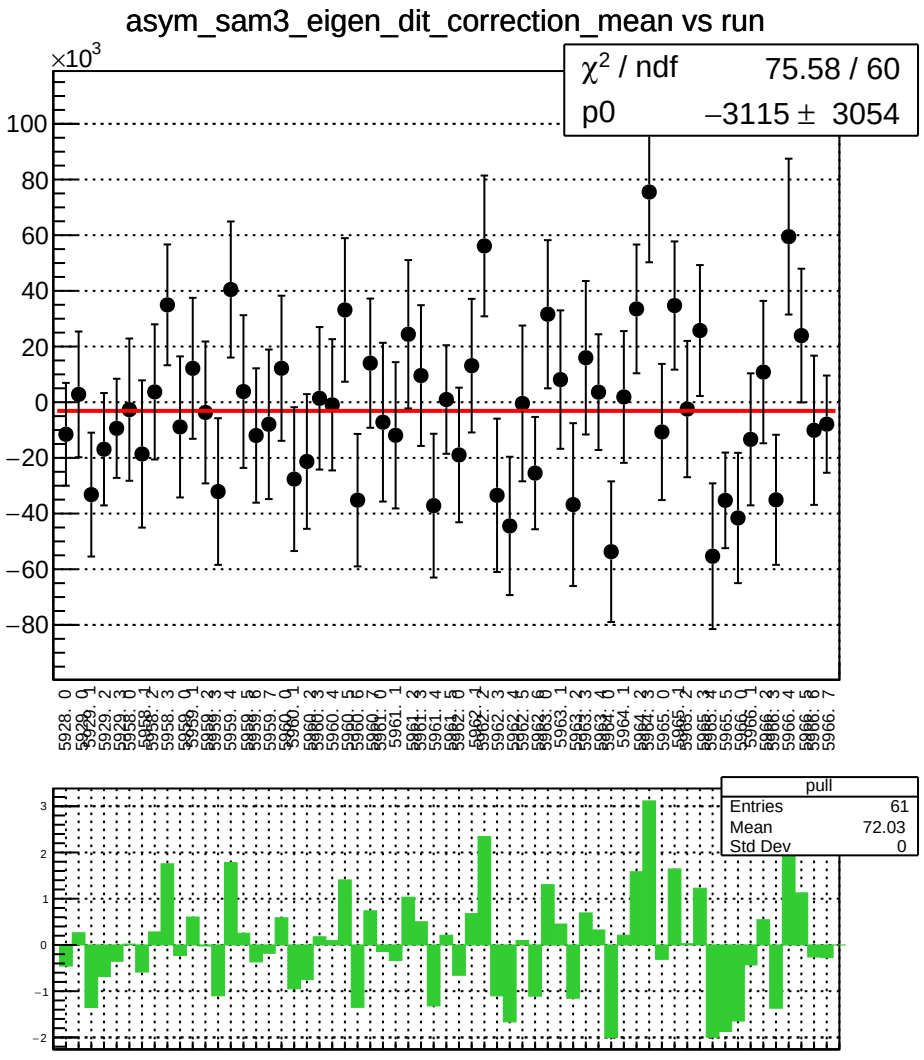

pull1D
Entries 61
Mean 0.02141
Std Dev 1.113

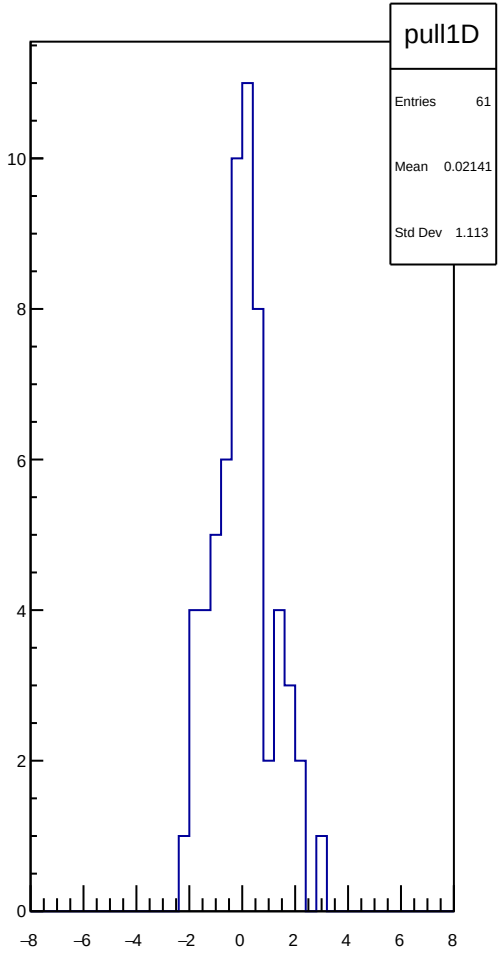

asym_sam3_dit_correction_rms vs run
χ² / ndf 7673 / 60
p0 2351 ± 2.159
2800
2600
2400
2200
2000
1800

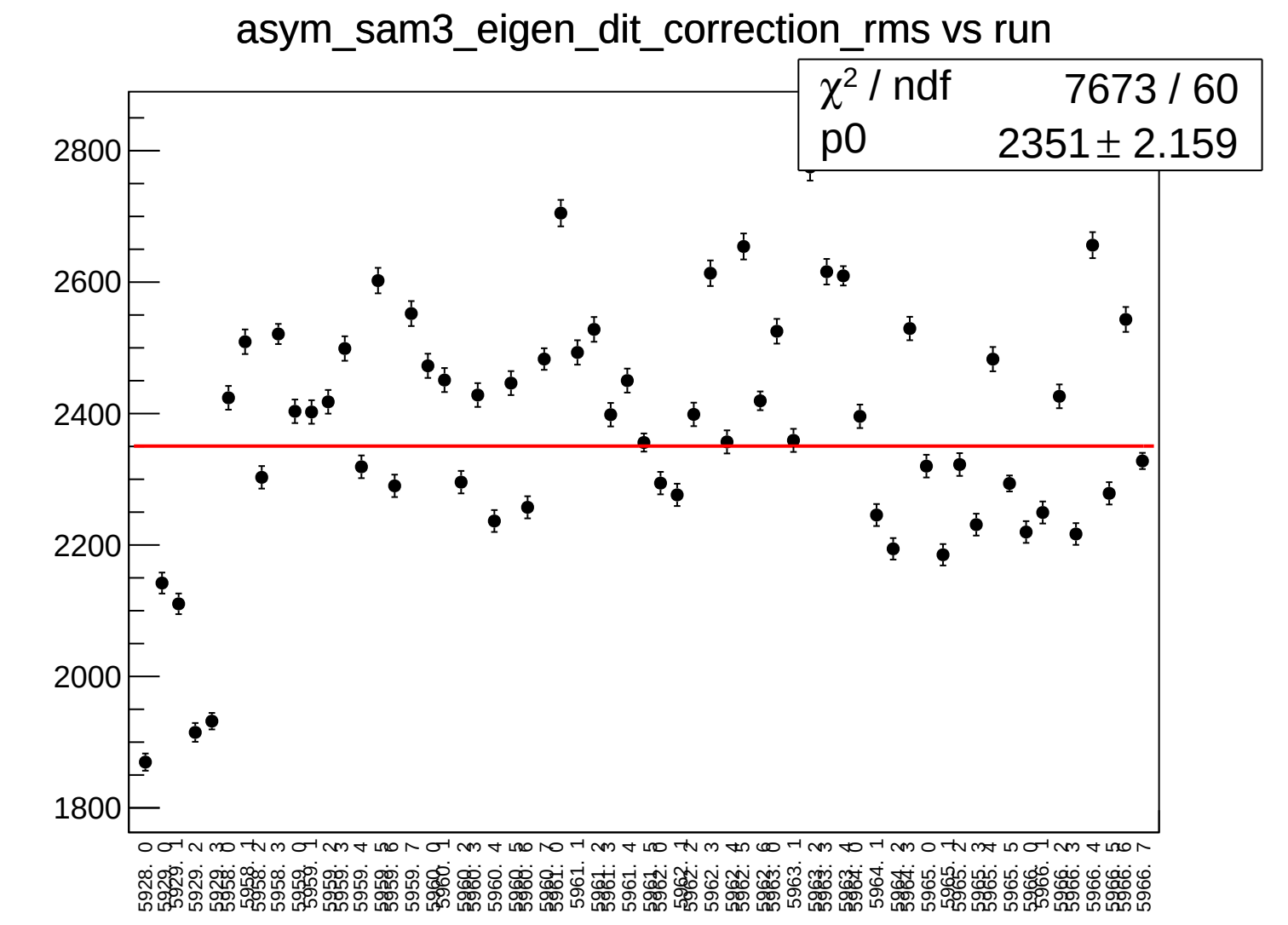

eigen_dit_asym_sam3_mean vs run
χ² / ndf 75.55 / 60
p0 154.7 ± 241
pull
Entries 61
Mean 10.2
Std Dev 0

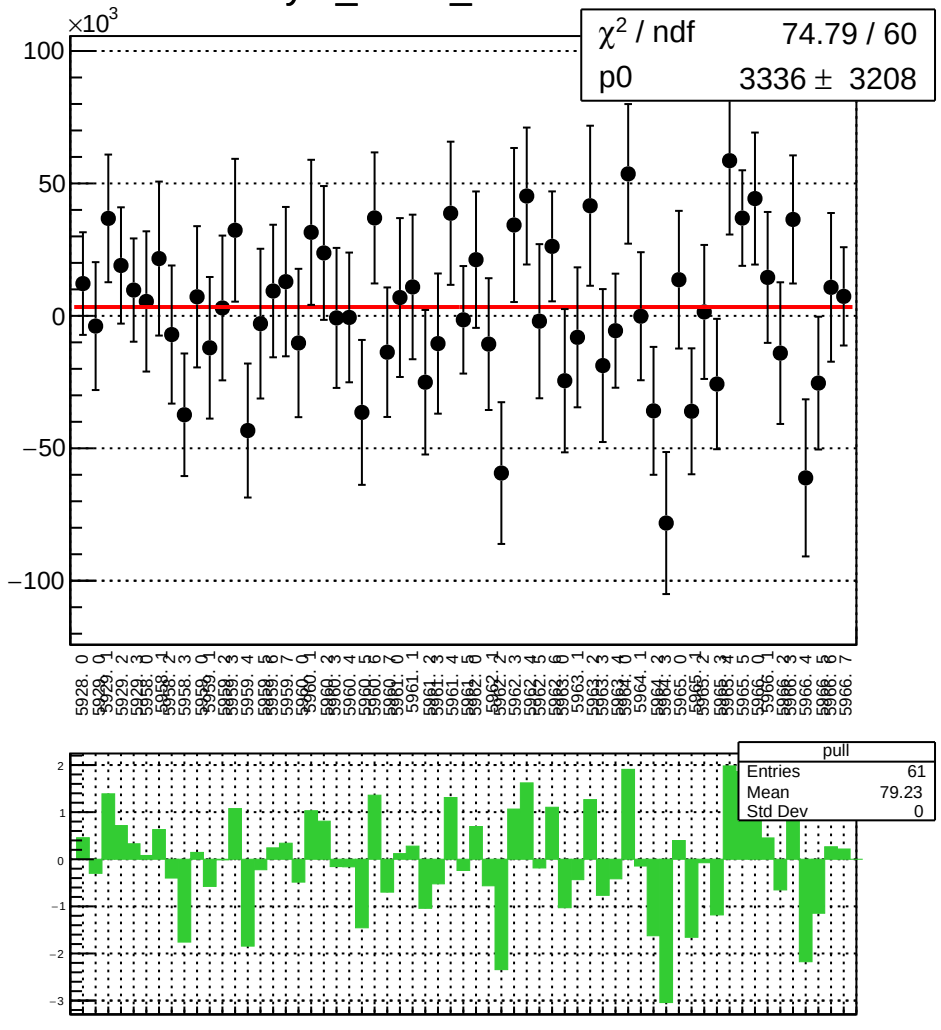

pull1D
Entries 61
Mean 0.0391
Std Dev 1.112

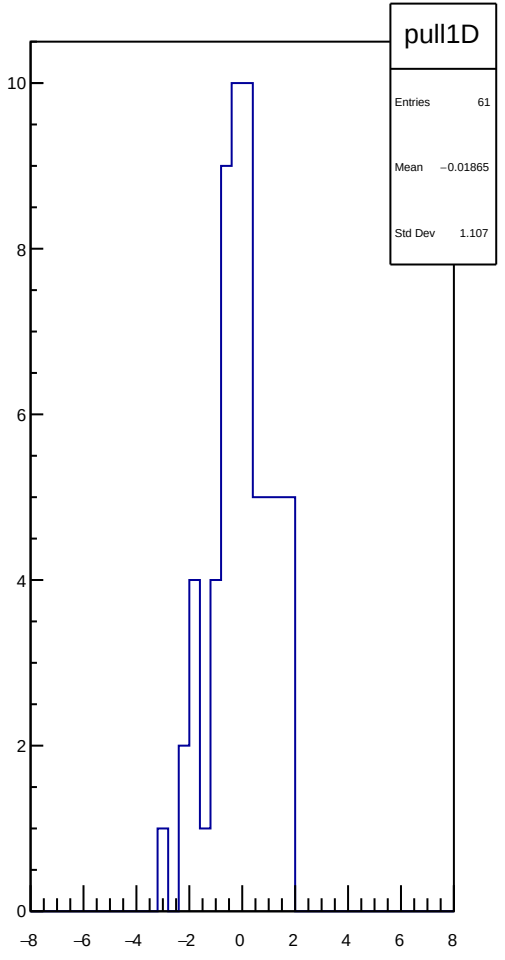

eigen_dit_asym_sam3_rms vs run
χ² / ndf 3.114e+04 / 60
p0 183.7 ± 0.1704
340
320
300
280
260
240
220
200
180
160
140
120

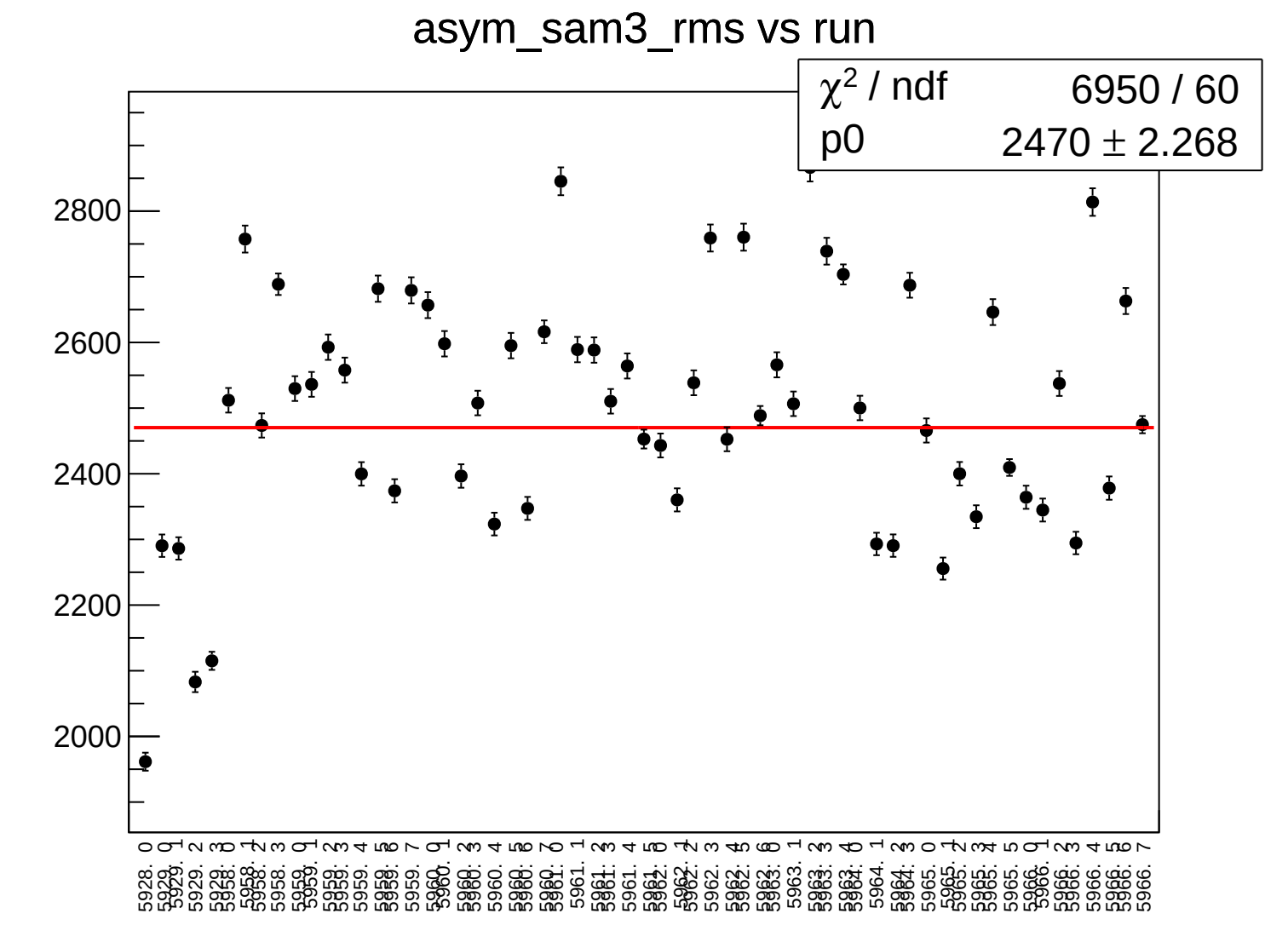

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 75.58 / 60
p0 −3115 ± 3054
pull
Entries 61
Mean 72.03
Std Dev 0

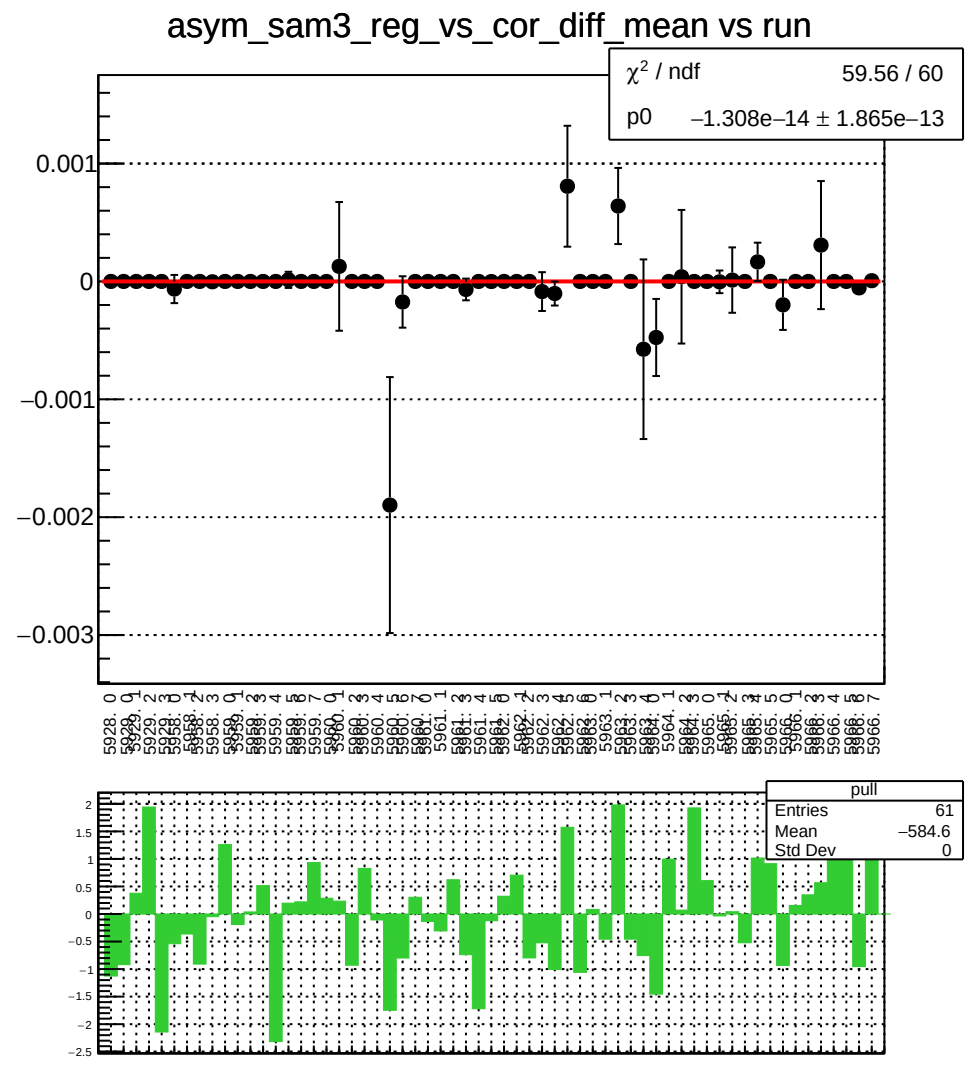

pull1D
Entries 61
Mean 0.02141
Std Dev 1.113

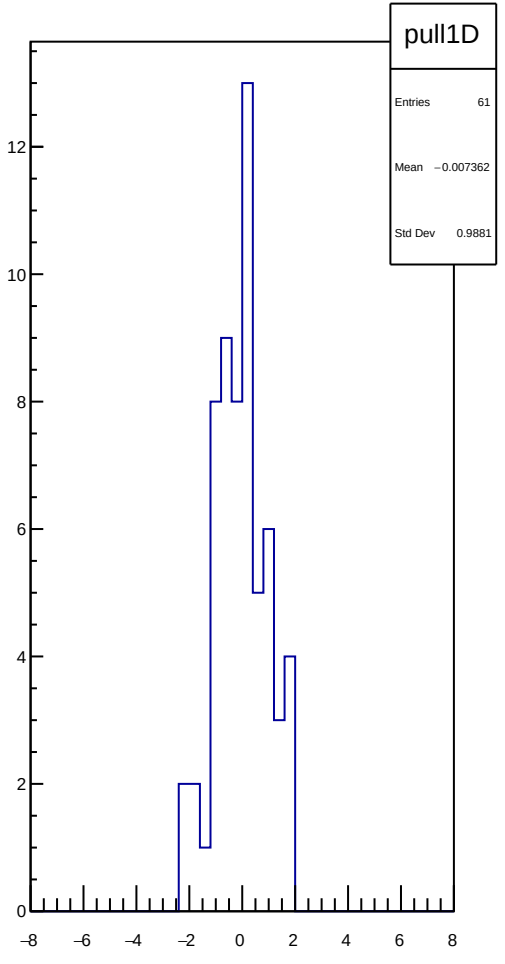

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 7673 / 60
p0 2351 ± 2.159
2800
2600
2400
2200
2000
1800

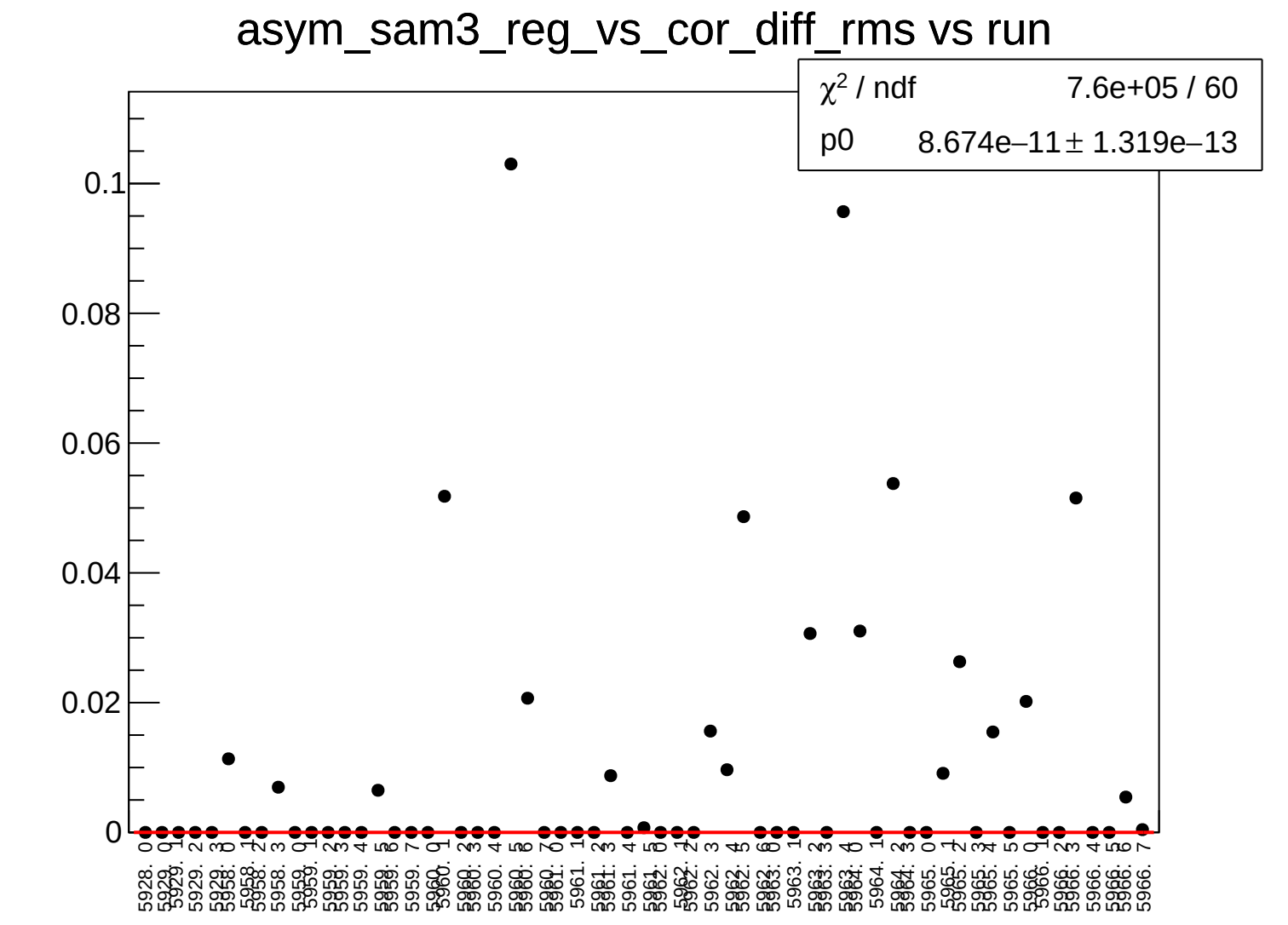

asym_sam3_mean vs run
×10^3
χ² / ndf 74.79 / 60
p0 3336 ± 3208
pull
Entries 61
Mean 79.23
Std Dev 0

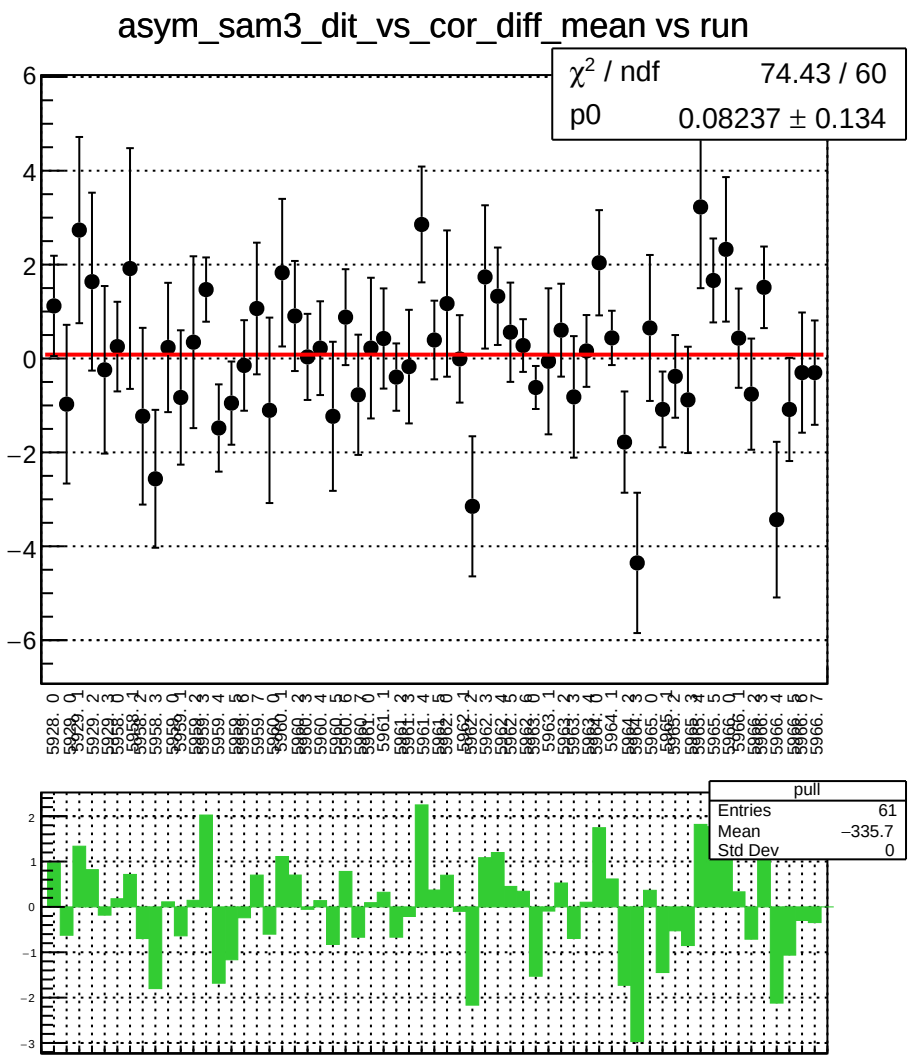

pull1D
Entries 61
Mean −0.01865
Std Dev 1.107

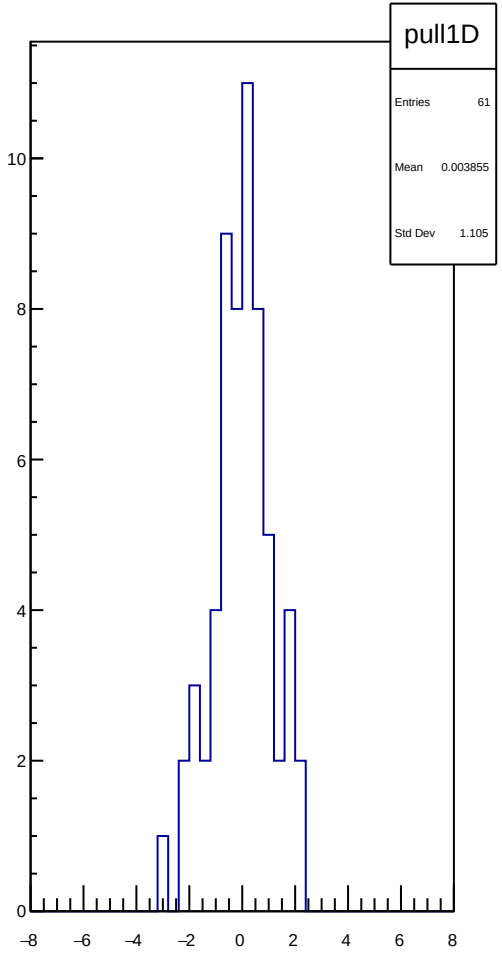

asym_sam3_rms vs run
χ² / ndf 6950 / 60
p0 2470 ± 2.268
2800
2600
2400
2200
2000

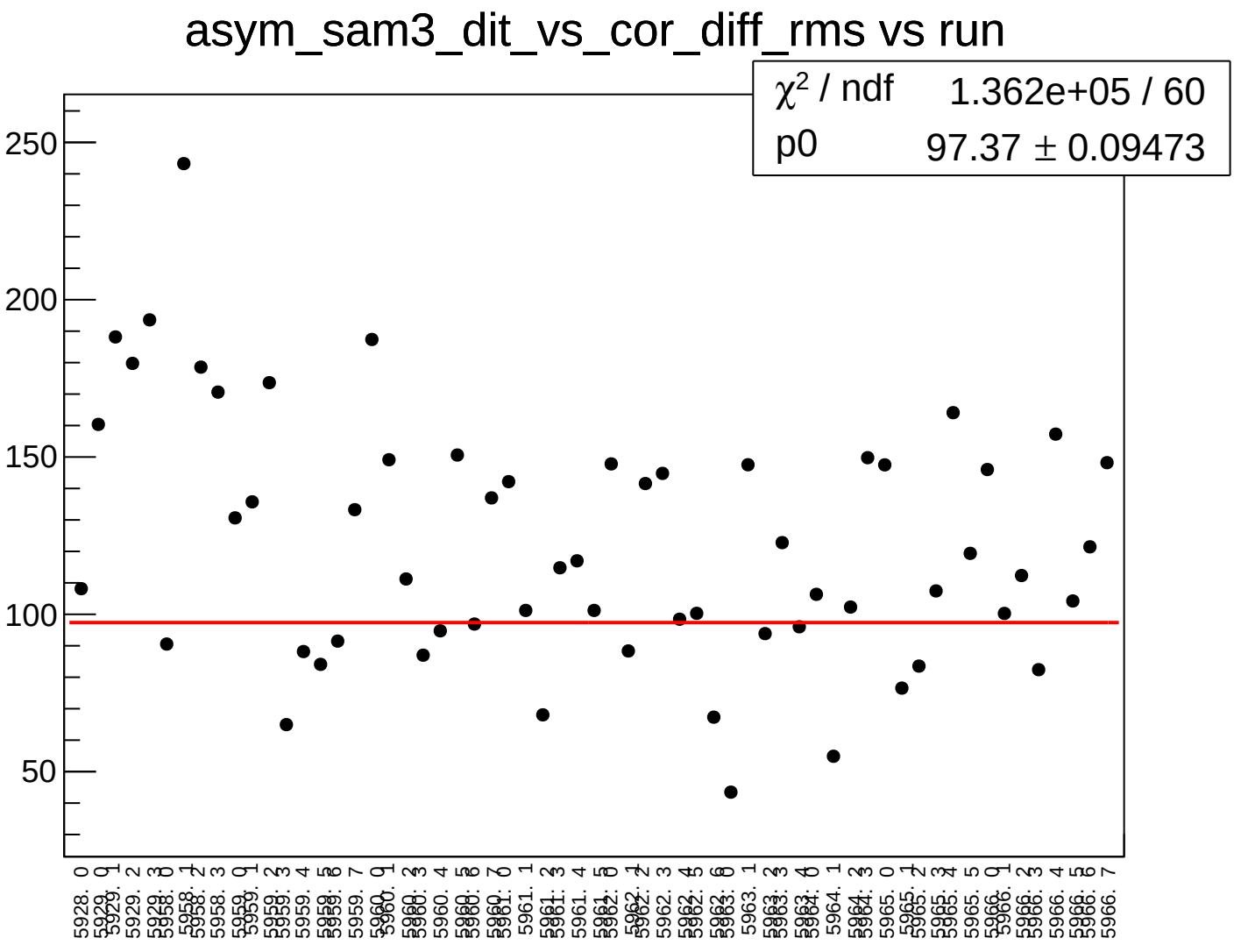

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 59.56 / 60
p0 −1.308e−14 ± 1.865e−13
0.001
0
−0.001
−0.002
−0.003
pull
Entries 61
Mean −584.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

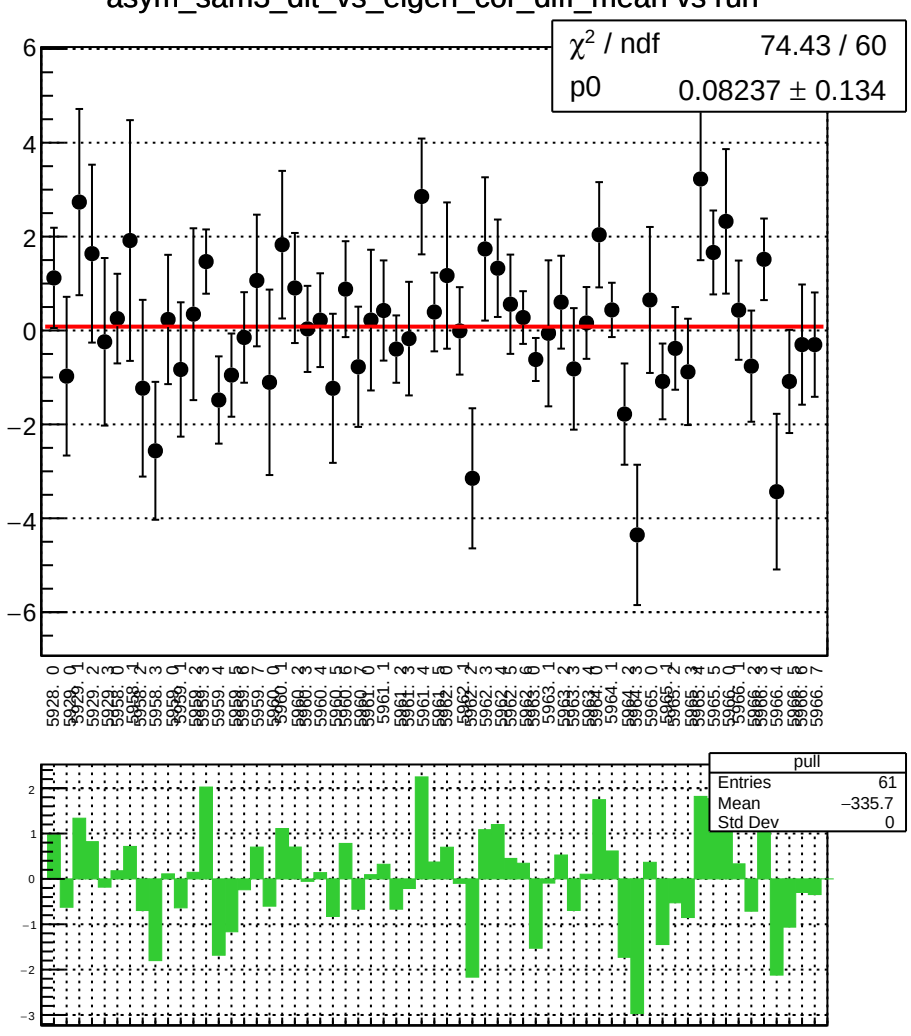

pull1D
Entries 61
Mean −0.007362
Std Dev 0.9881
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

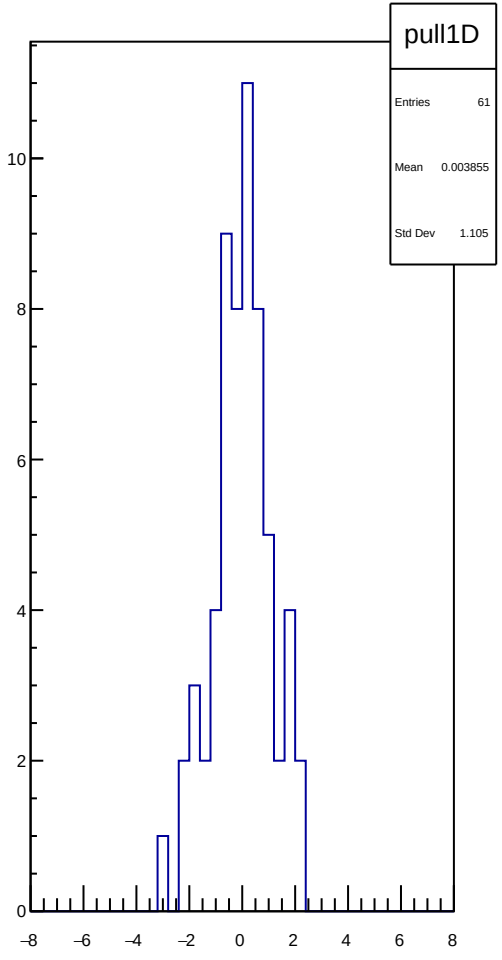

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 7.6e+05 / 60
p0 8.674e−11 ± 1.319e−13
0.1
0.08
0.06
0.04
0.02
0

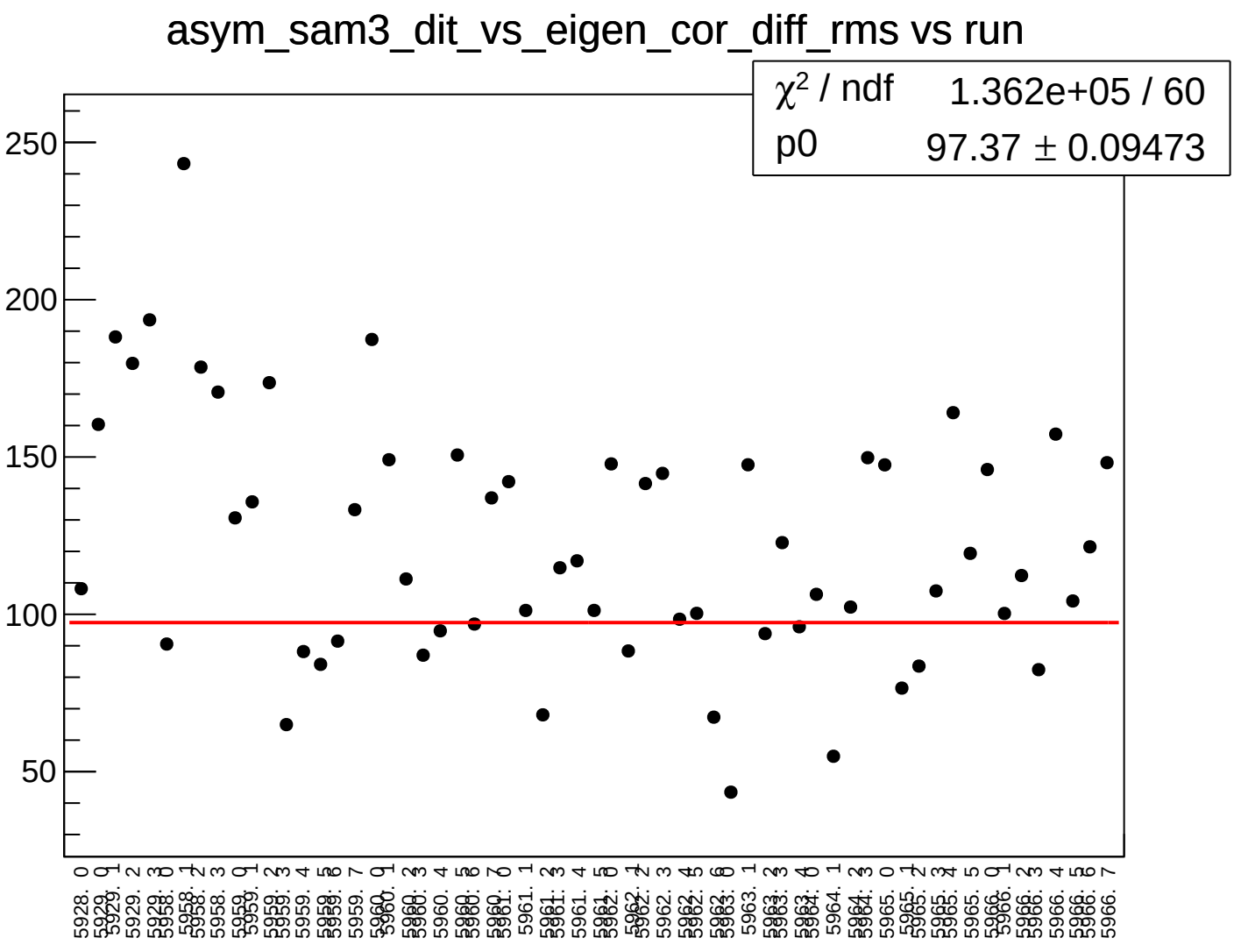

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 74.43 / 60
p0 0.08237 ± 0.134
pull
Entries 61
Mean −335.7
Std Dev 0

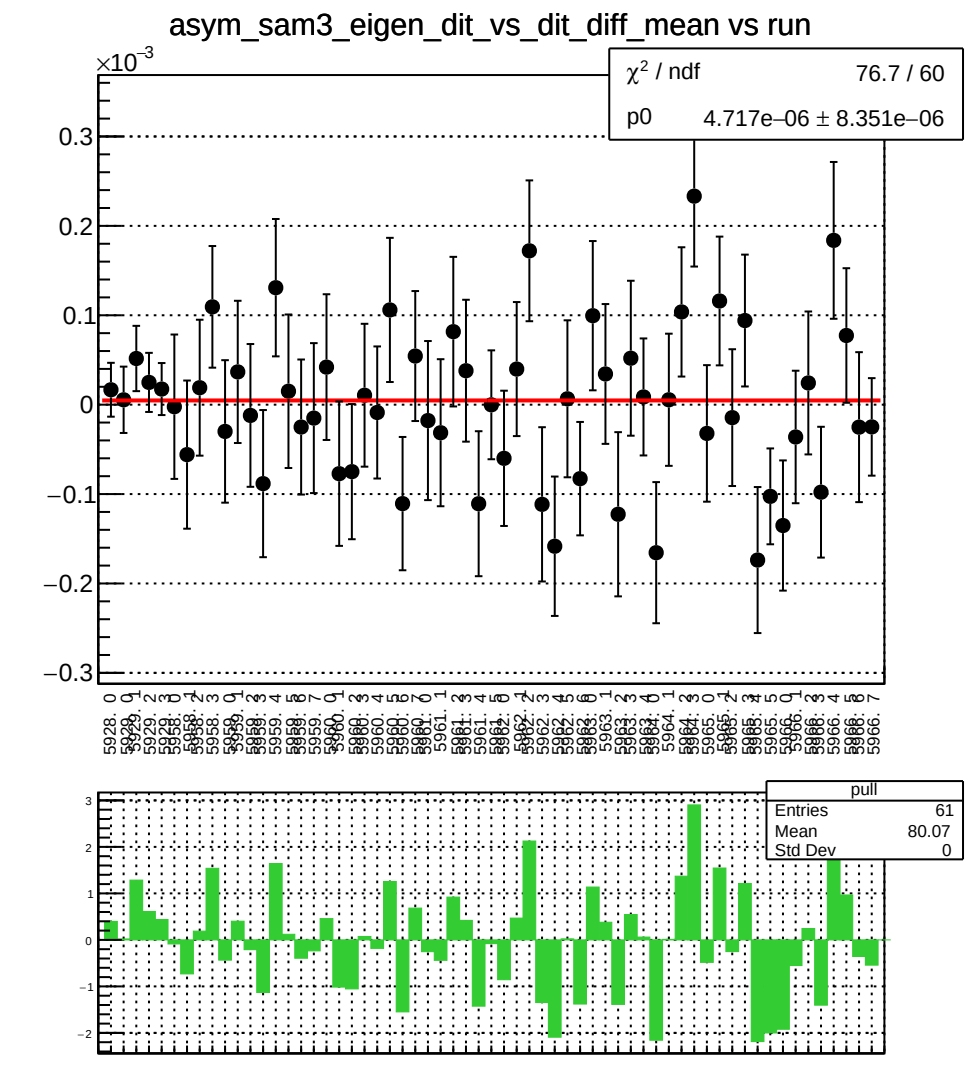

pull1D
Entries 61
Mean 0.003855
Std Dev 1.105

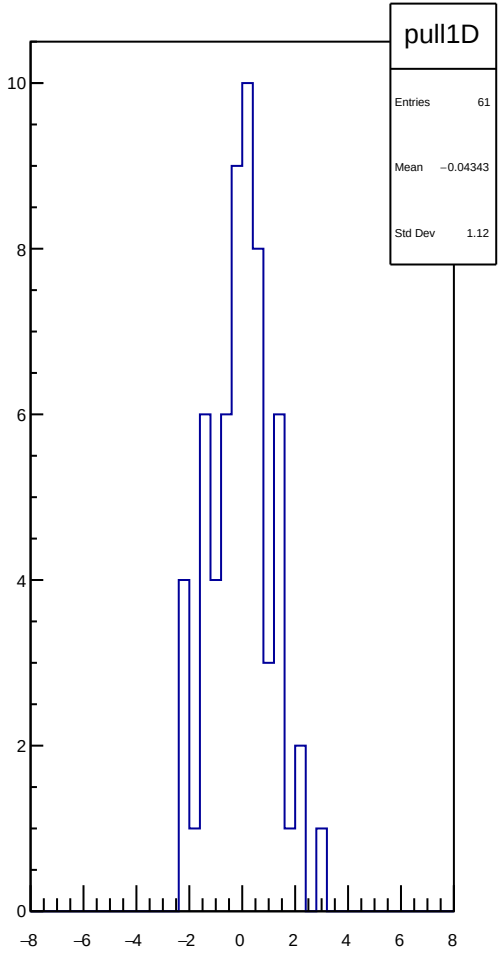

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 60
p0 97.37 ± 0.09473
250
200
150
100
50

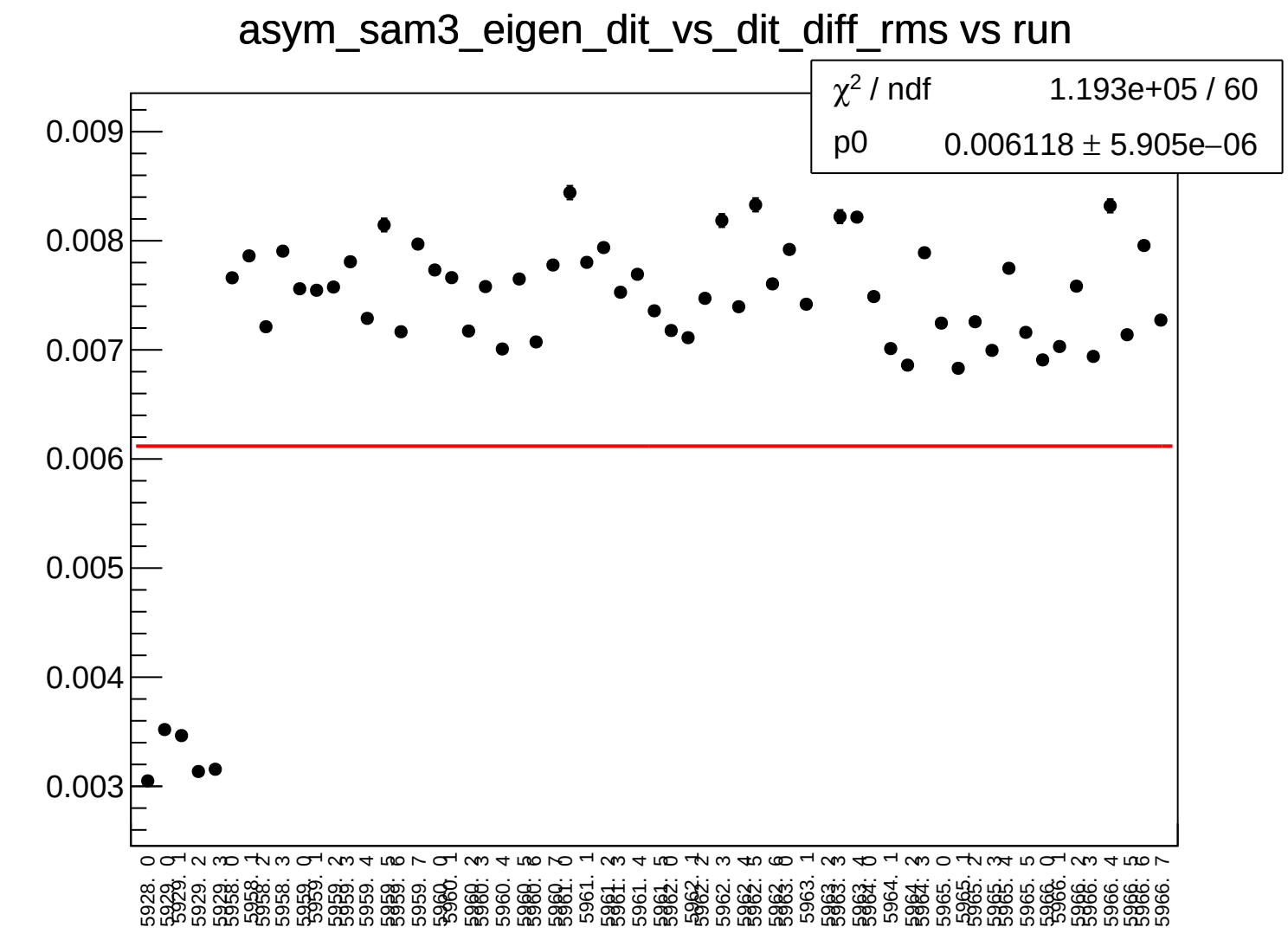

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.43 / 60
p0 0.08237 ± 0.134
pull
Entries 61
Mean −335.7
Std Dev 0

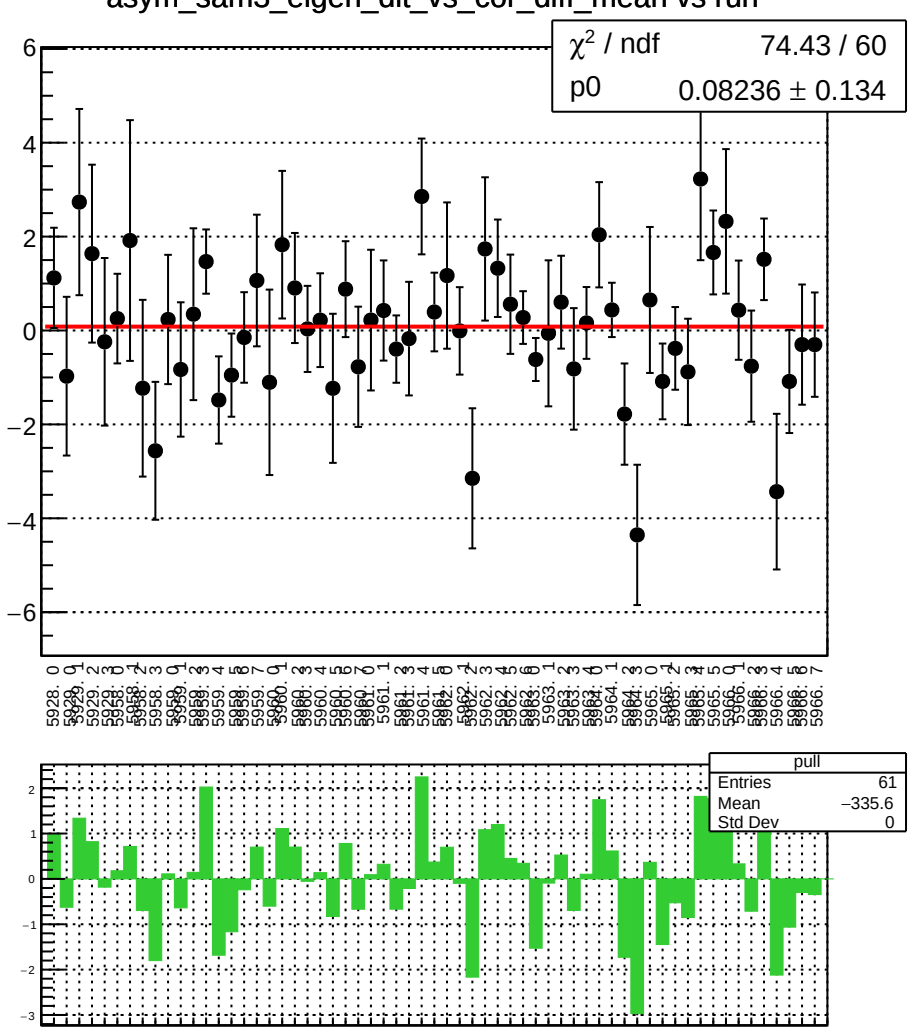

pull1D
Entries 61
Mean 0.003855
Std Dev 1.105

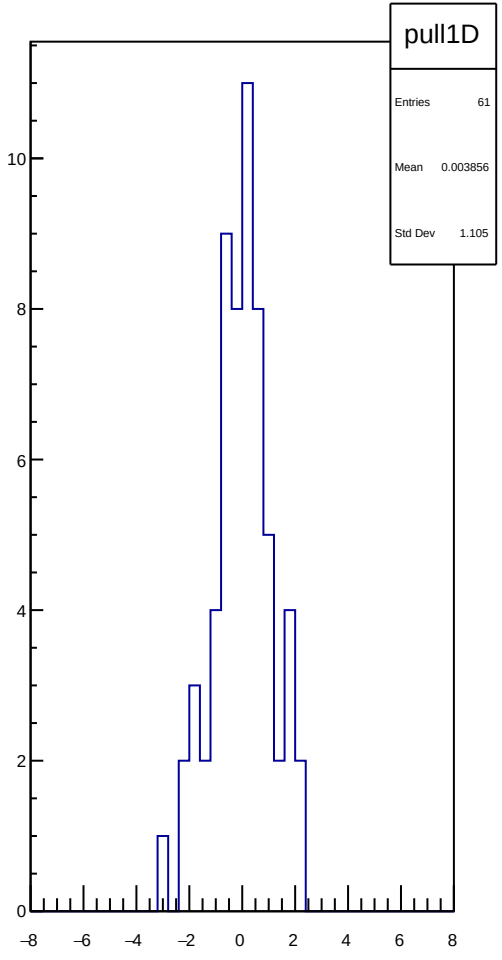

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.362e+05 / 60
p0 97.37 ± 0.09473
250
200
150
100
50

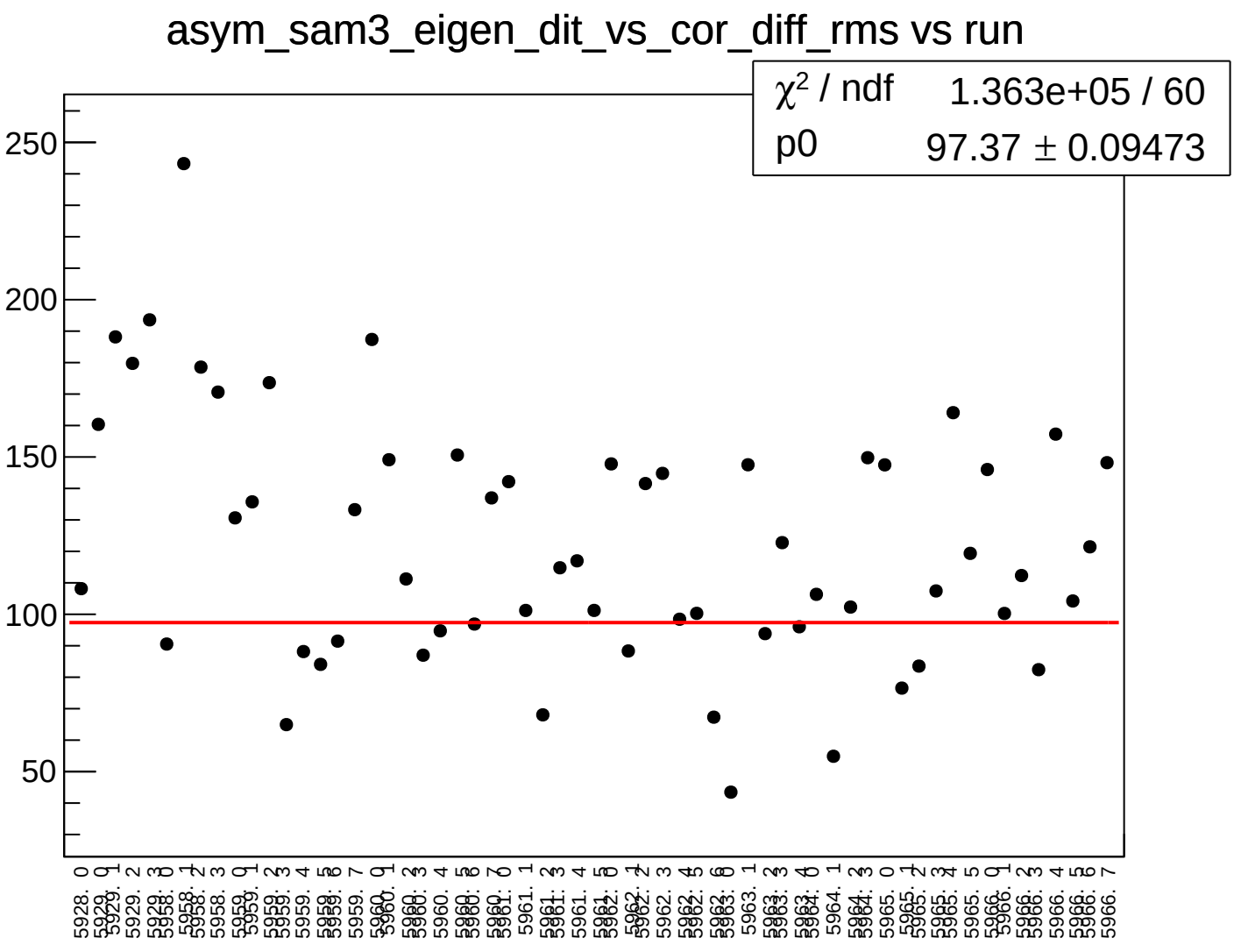

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 76.7 / 60
p0 4.717e−06 ± 8.351e−06
pull
Entries 61
Mean 80.07
Std Dev 0

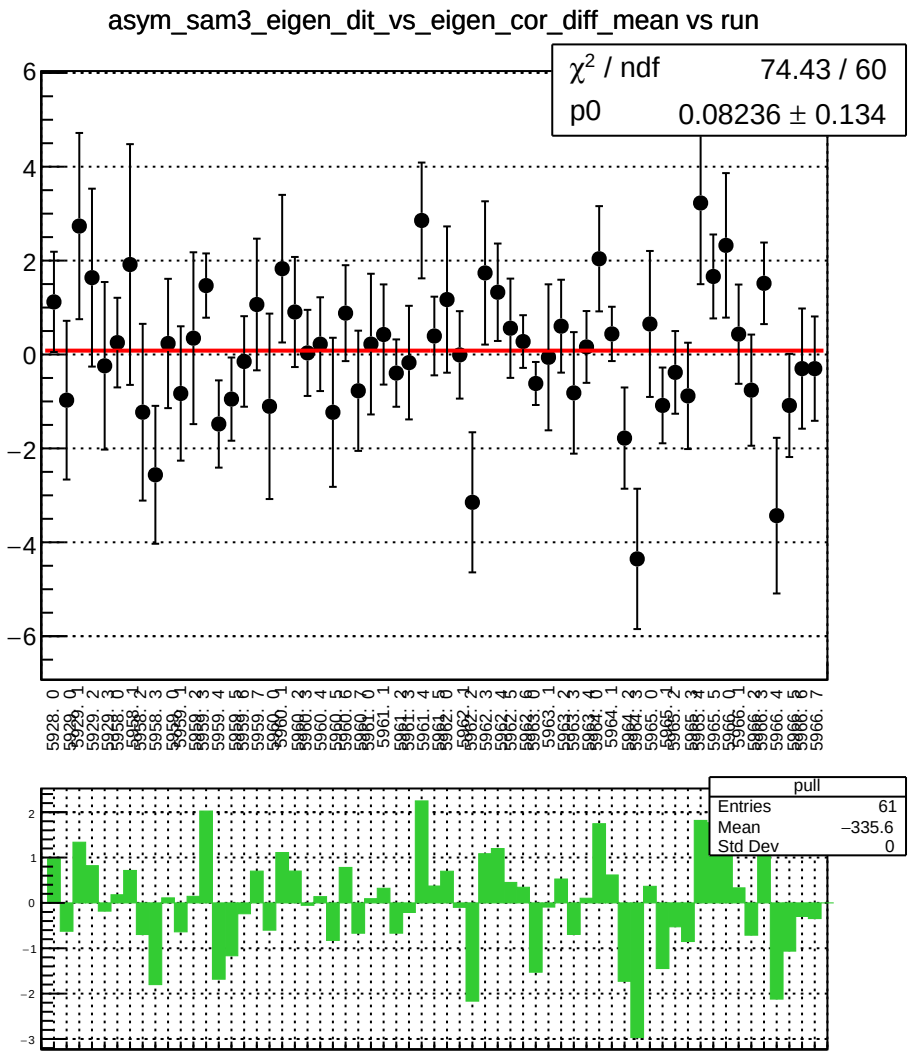

pull1D
Entries 61
Mean −0.04343
Std Dev 1.12

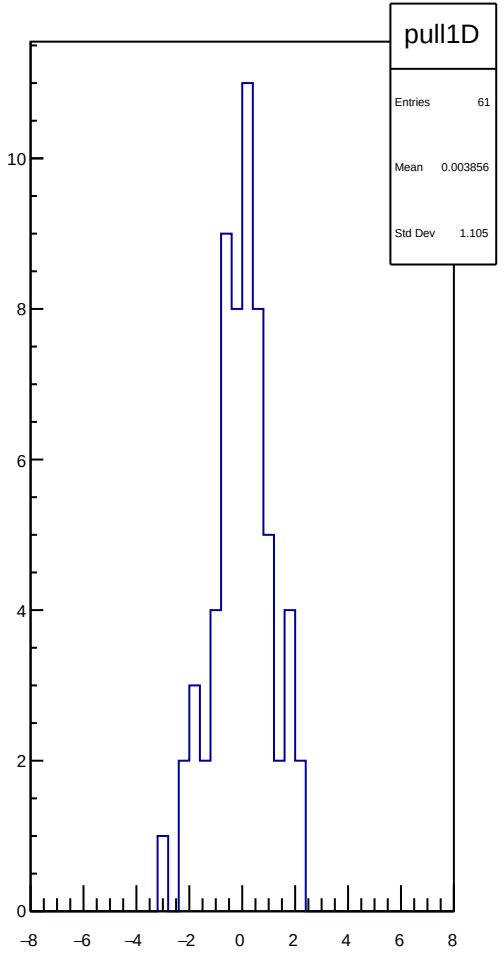

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.193e+05 / 60
p0 0.006118 ± 5.905e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

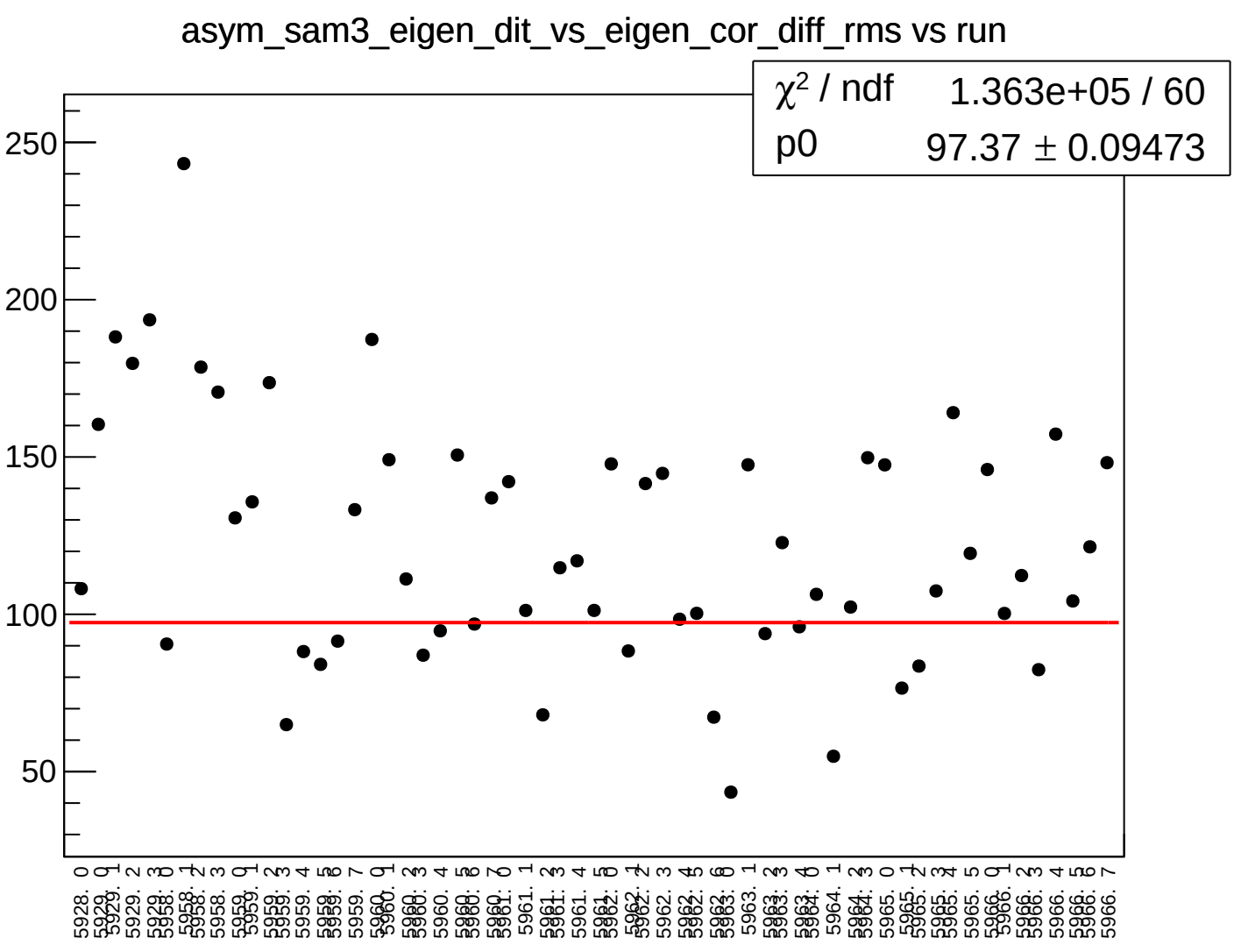

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.43 / 60
p0 0.08236 ± 0.134
pull
Entries 61
Mean −335.6
Std Dev 0

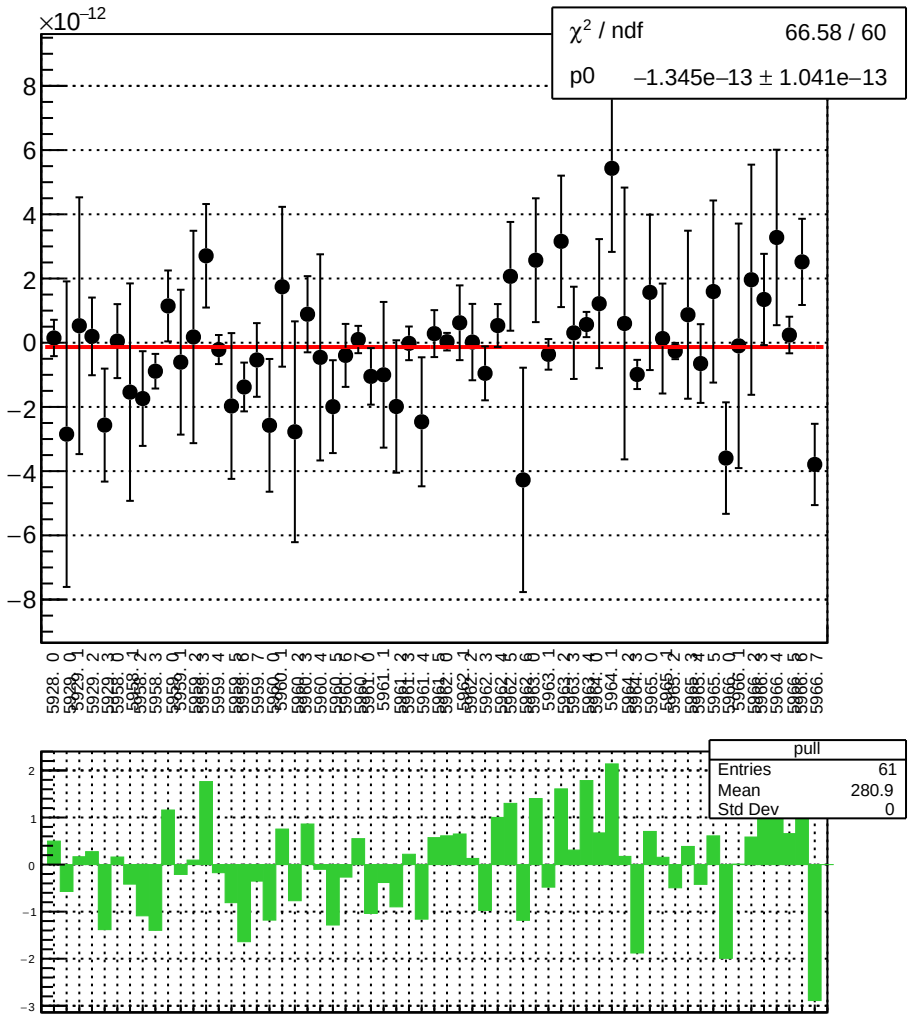

pull1D
Entries 61
Mean 0.003856
Std Dev 1.105

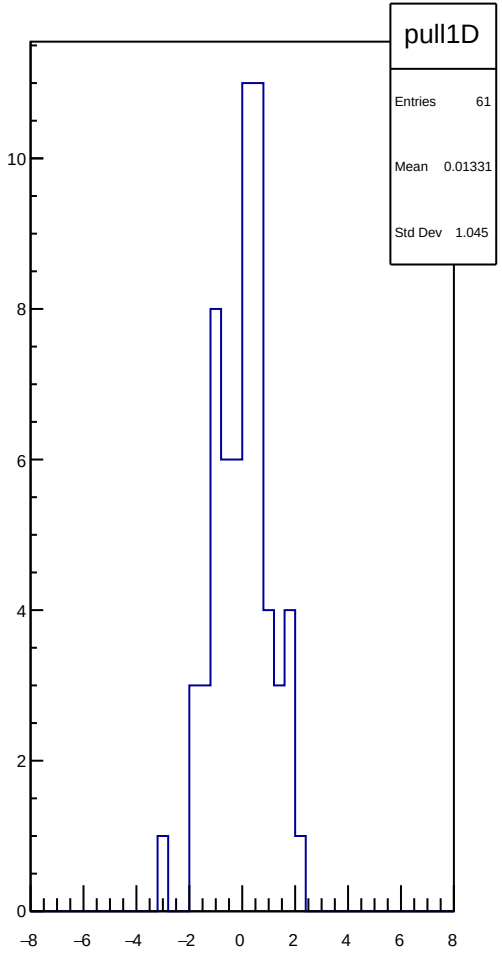

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.363e+05 / 60
p0 97.37 ± 0.09473
250
200
150
100
50

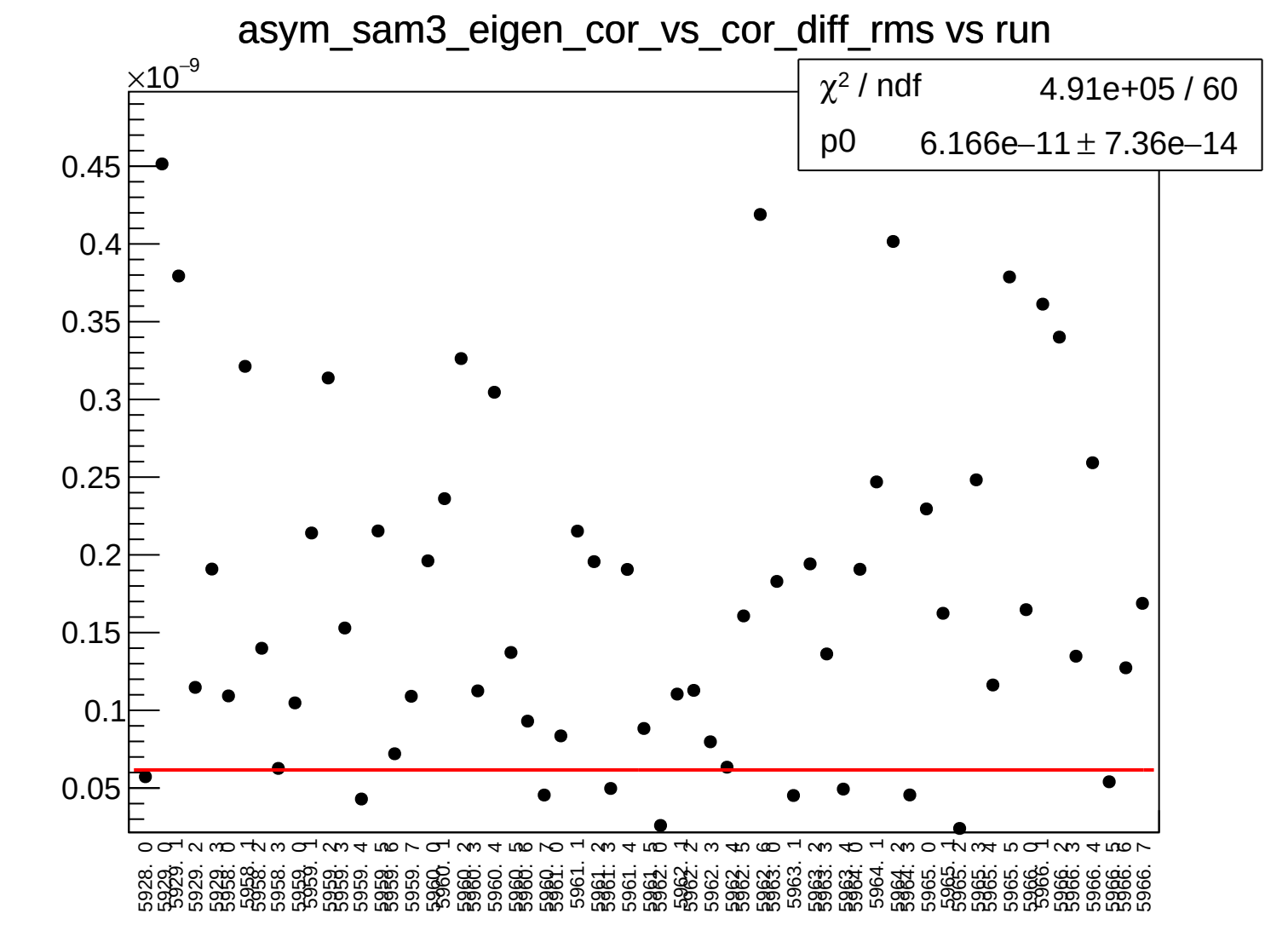

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.43 / 60
p0 0.08236 ± 0.134
pull
Entries 61
Mean −335.6
Std Dev 0

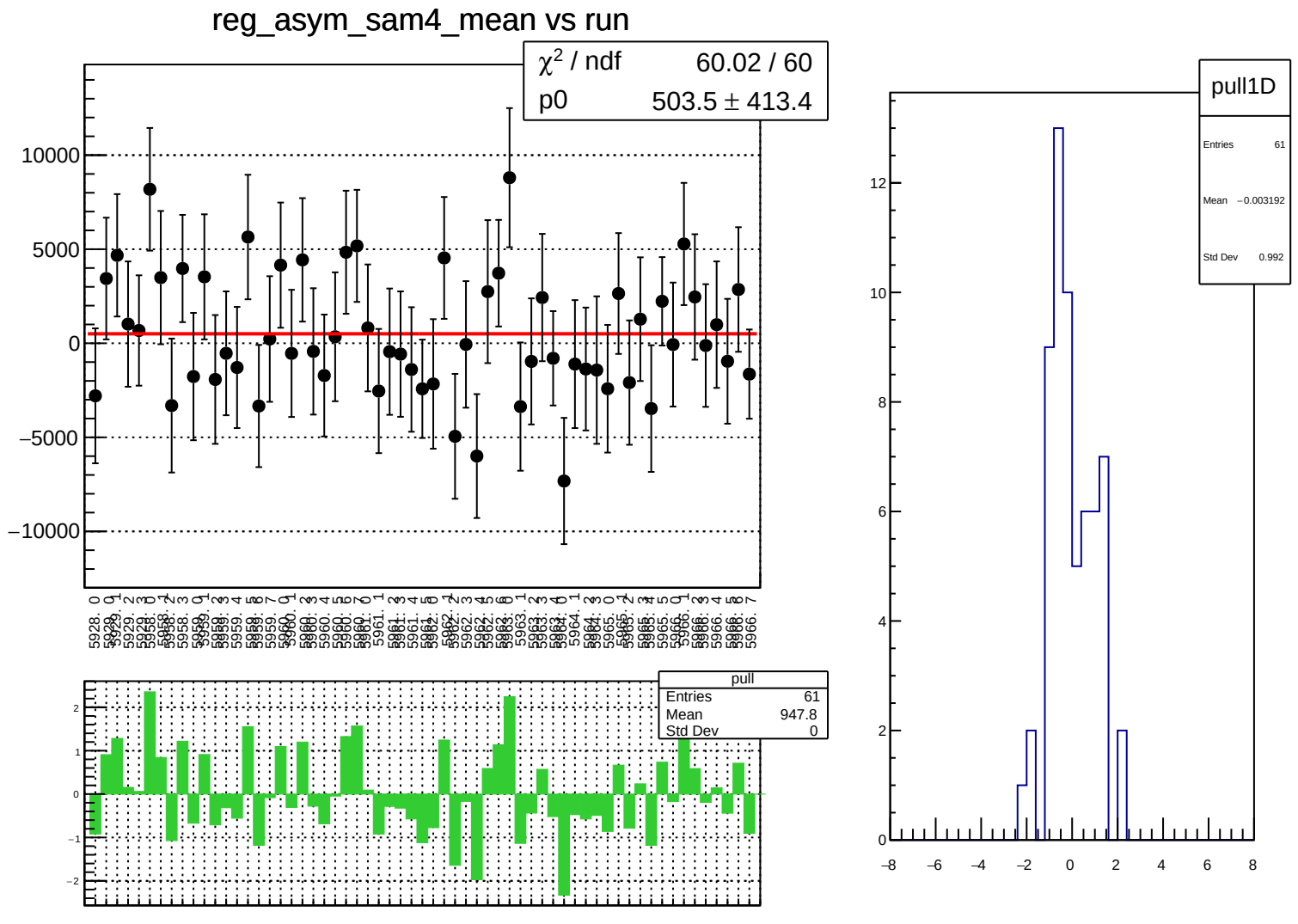

pull1D
Entries 61
Mean 0.003856
Std Dev 1.105

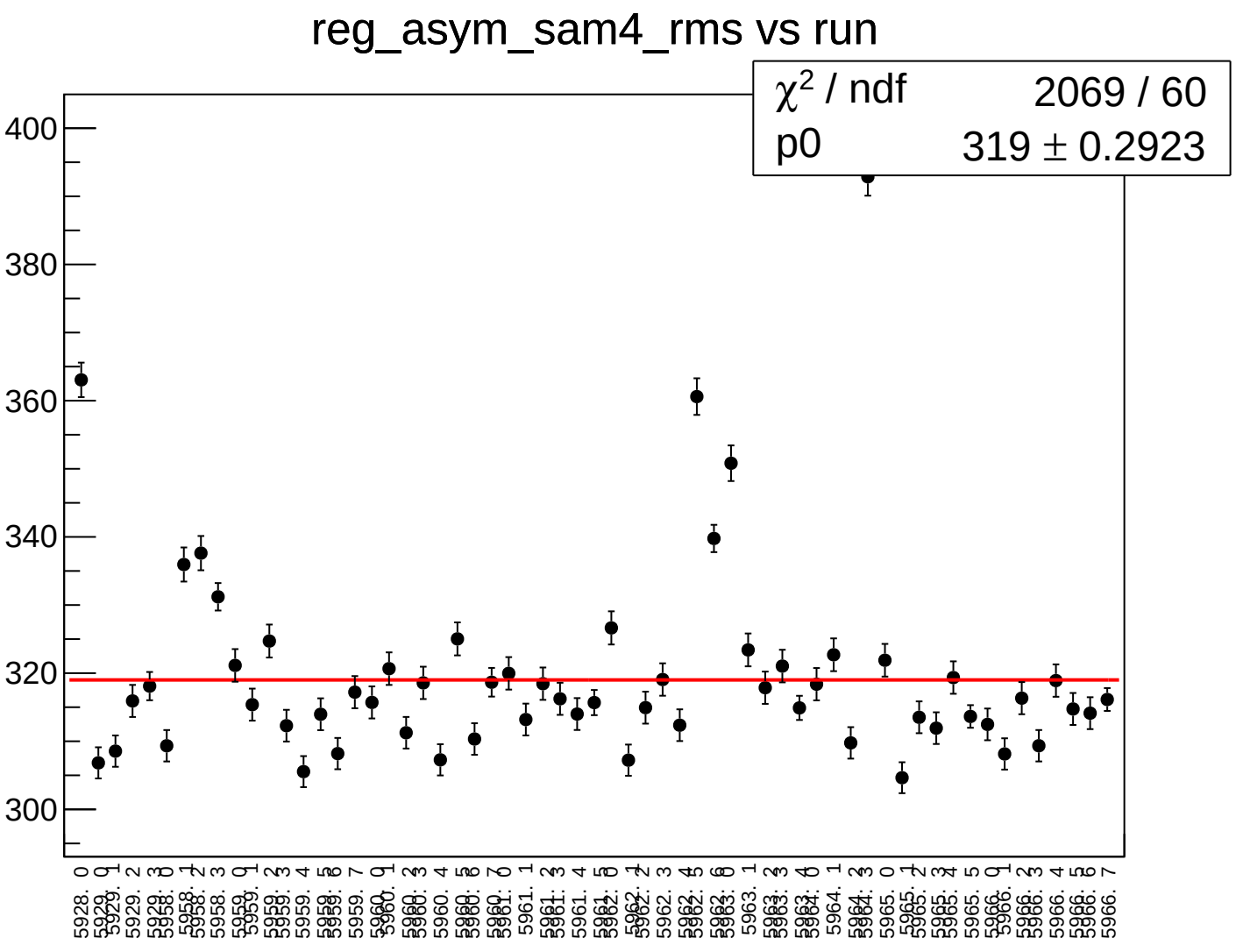

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.363e+05 / 60
p0 97.37 ± 0.09473
250
200
150
100
50

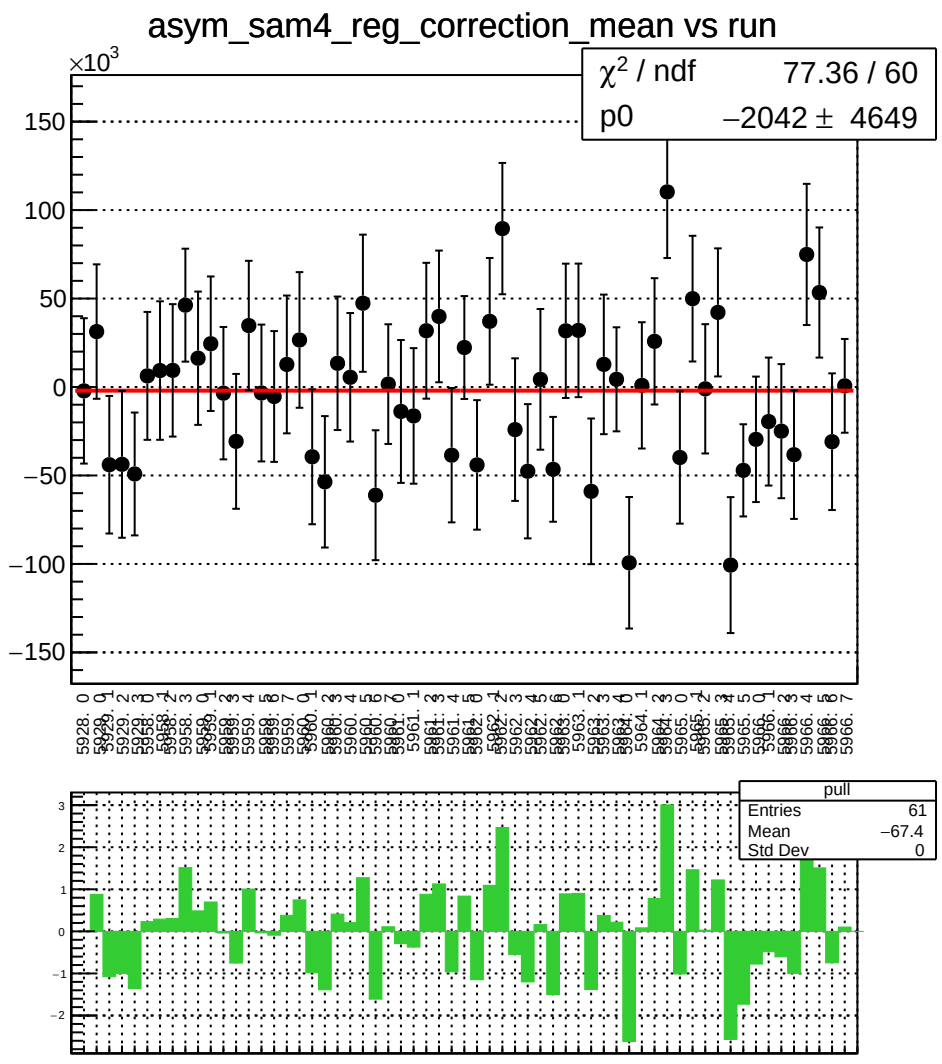

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.58 / 60
p0 −1.345e−13 ± 1.041e−13
pull
Entries 61
Mean 280.9
Std Dev 0

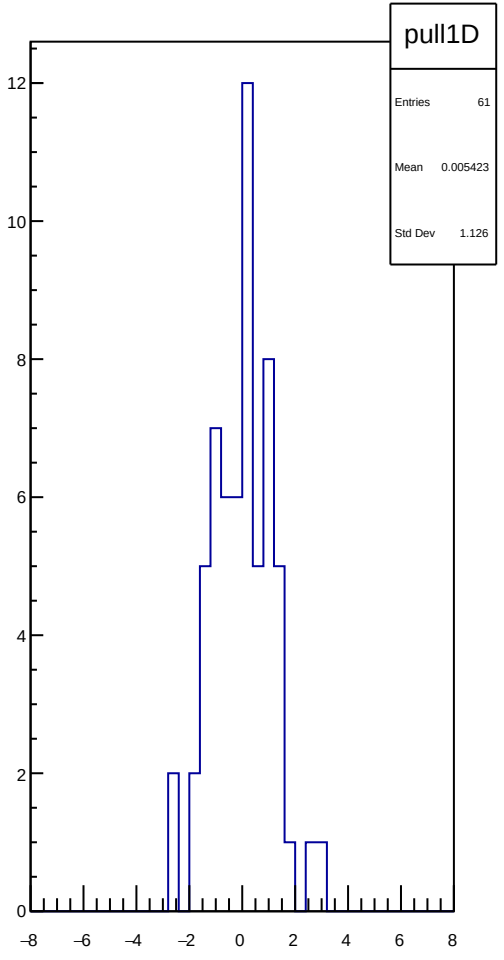

pull1D
Entries 61
Mean 0.01331
Std Dev 1.045

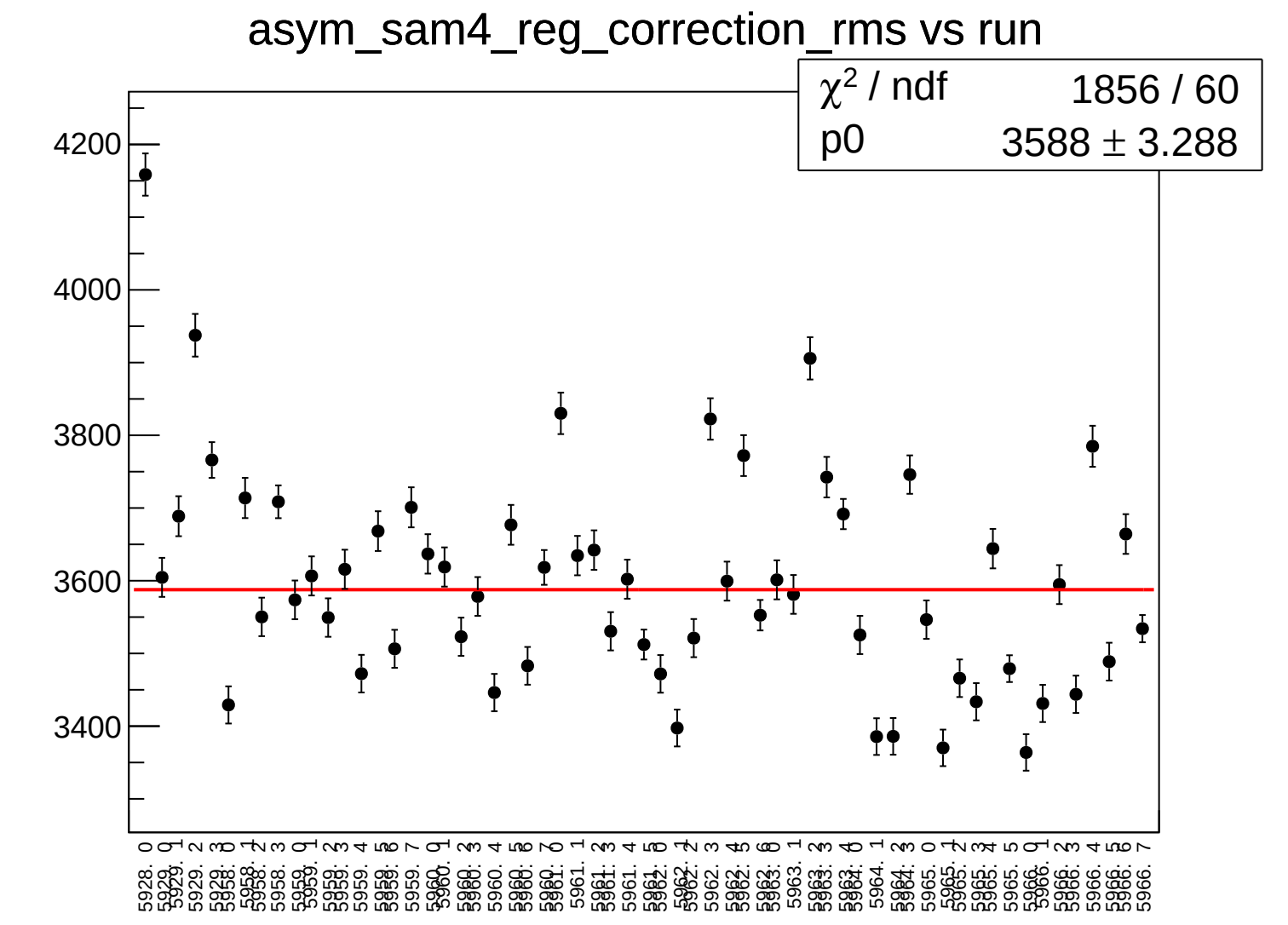

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.91e+05 / 60
p0 6.166e−11 ± 7.36e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

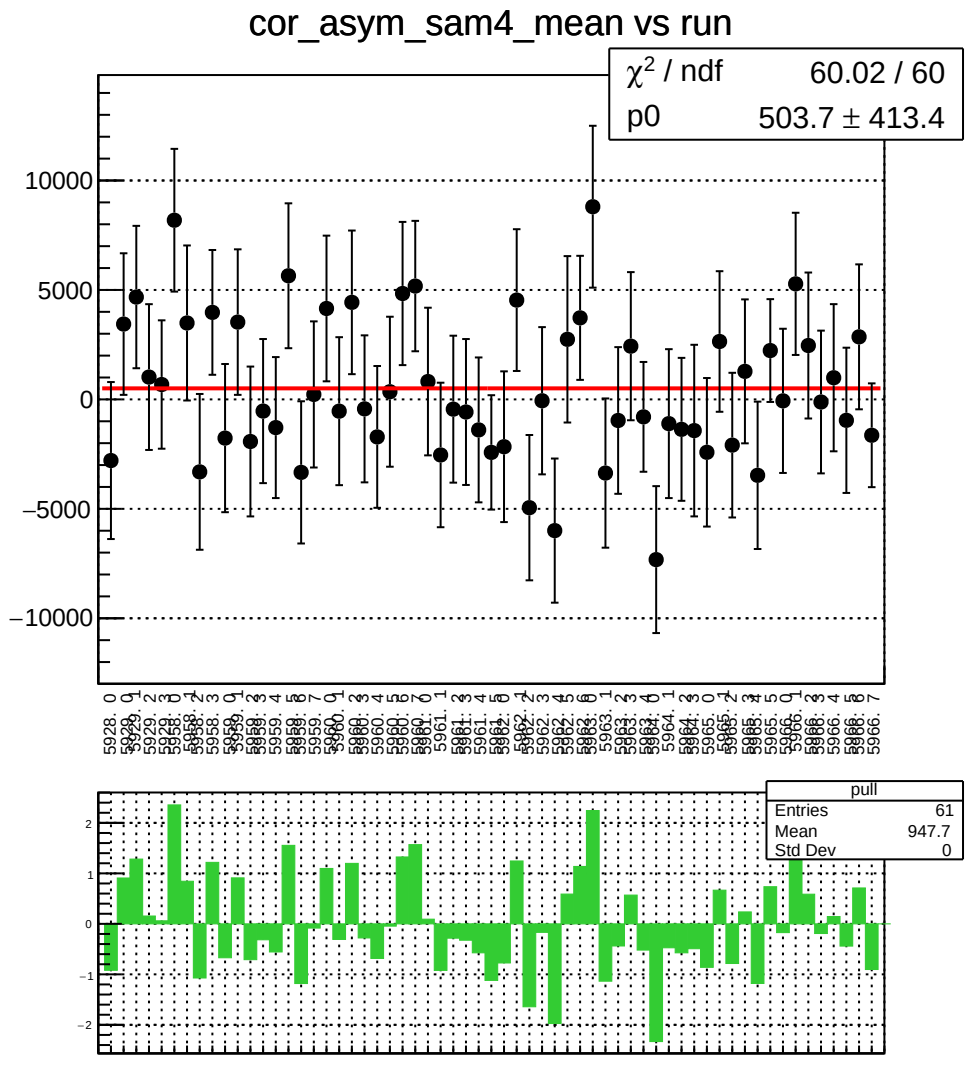

reg_asym_sam4_mean vs run
χ² / ndf 60.02 / 60
p0 503.5 ± 413.4
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 947.8
Std Dev 0
pull1D
Entries 61
Mean −0.003192
Std Dev 0.992

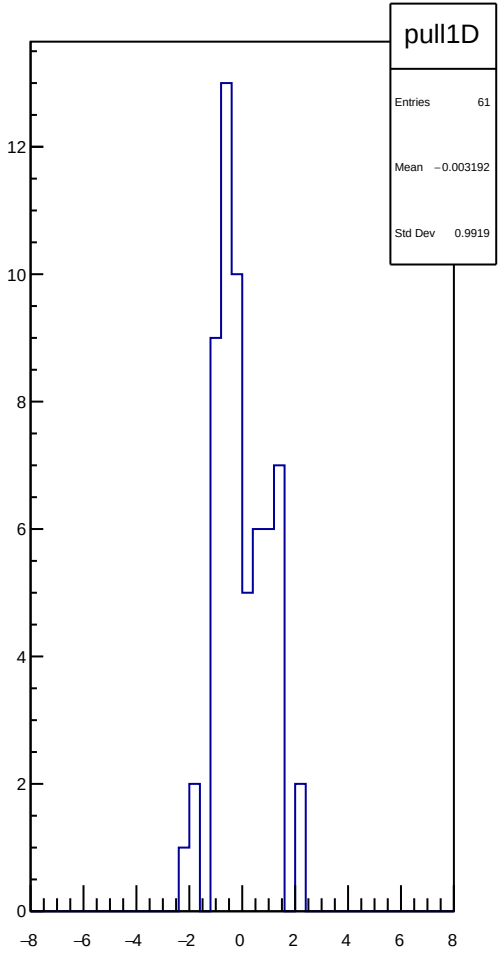

reg_asym_sam4_rms vs run
χ² / ndf 2069 / 60
p0 319 ± 0.2923
400
380
360
340
320
300


asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 77.36 / 60
p0 −2042 ± 4649
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −67.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 61
Mean 0.005423
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_reg_correction_rms vs run
χ² / ndf 1856 / 60
p0 3588 ± 3.288
4200
4000
3800
3600
3400


cor_asym_sam4_mean vs run
χ² / ndf 60.02 / 60
p0 503.7 ± 413.4
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 947.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 61
Mean −0.003192
Std Dev 0.9919
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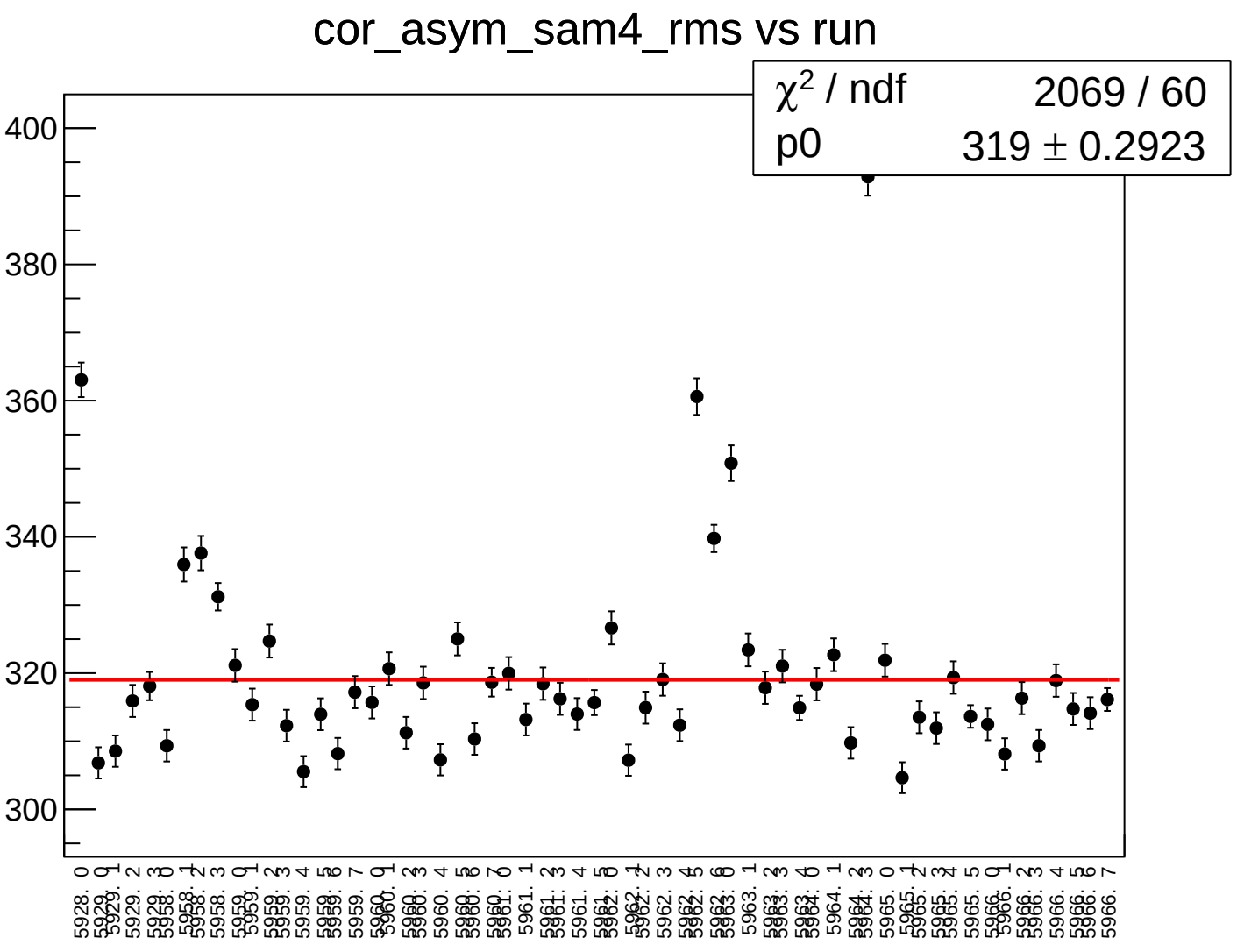
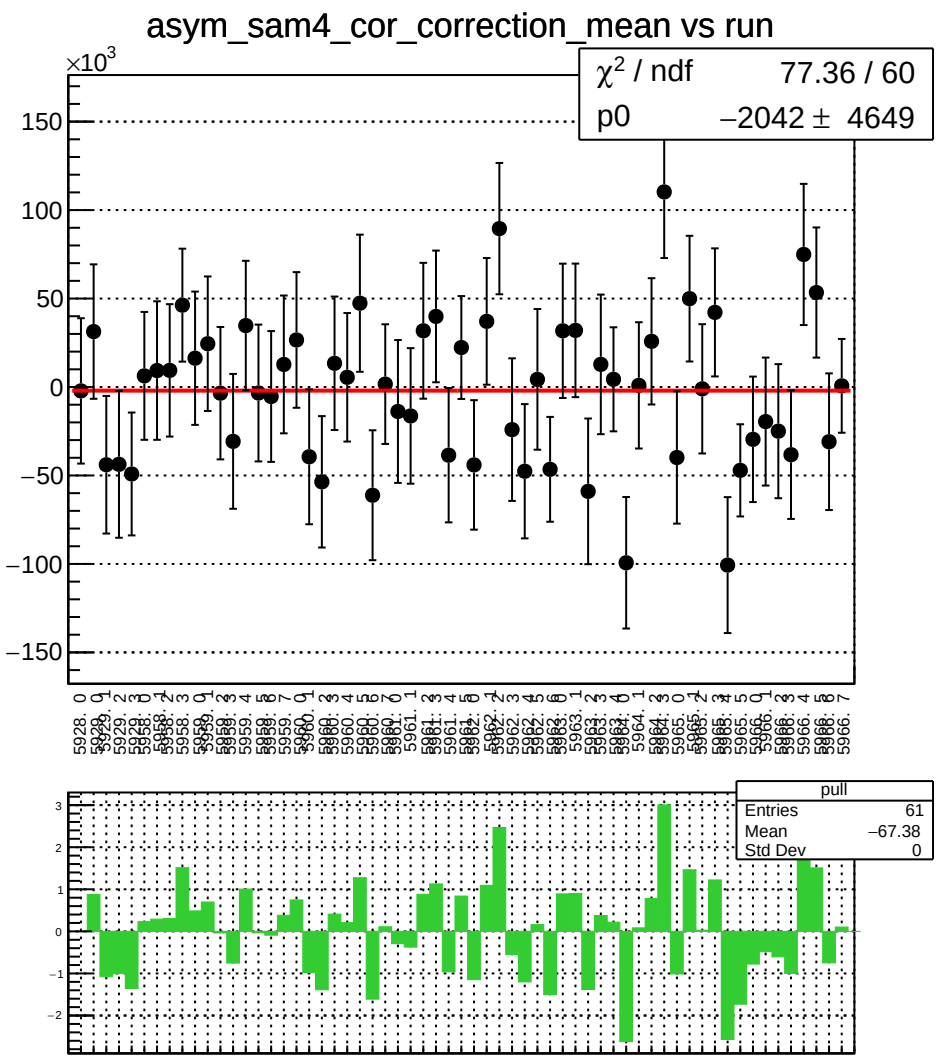
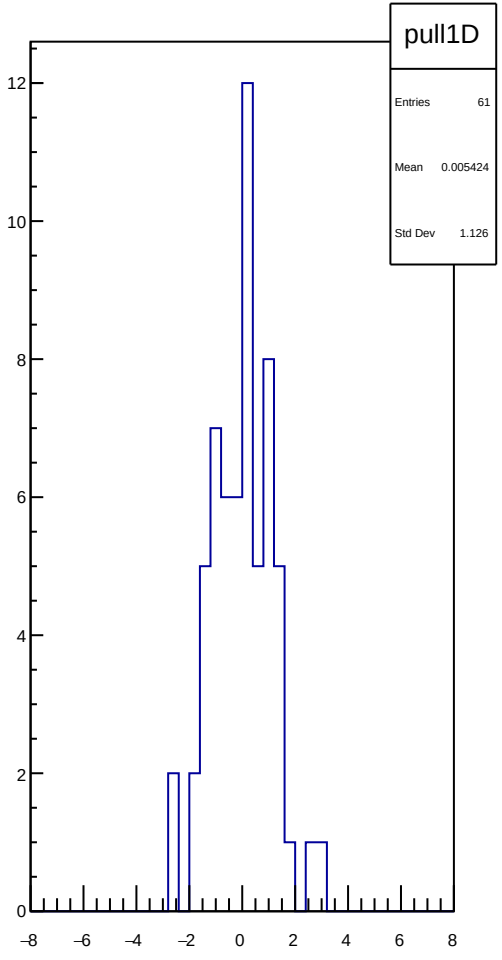
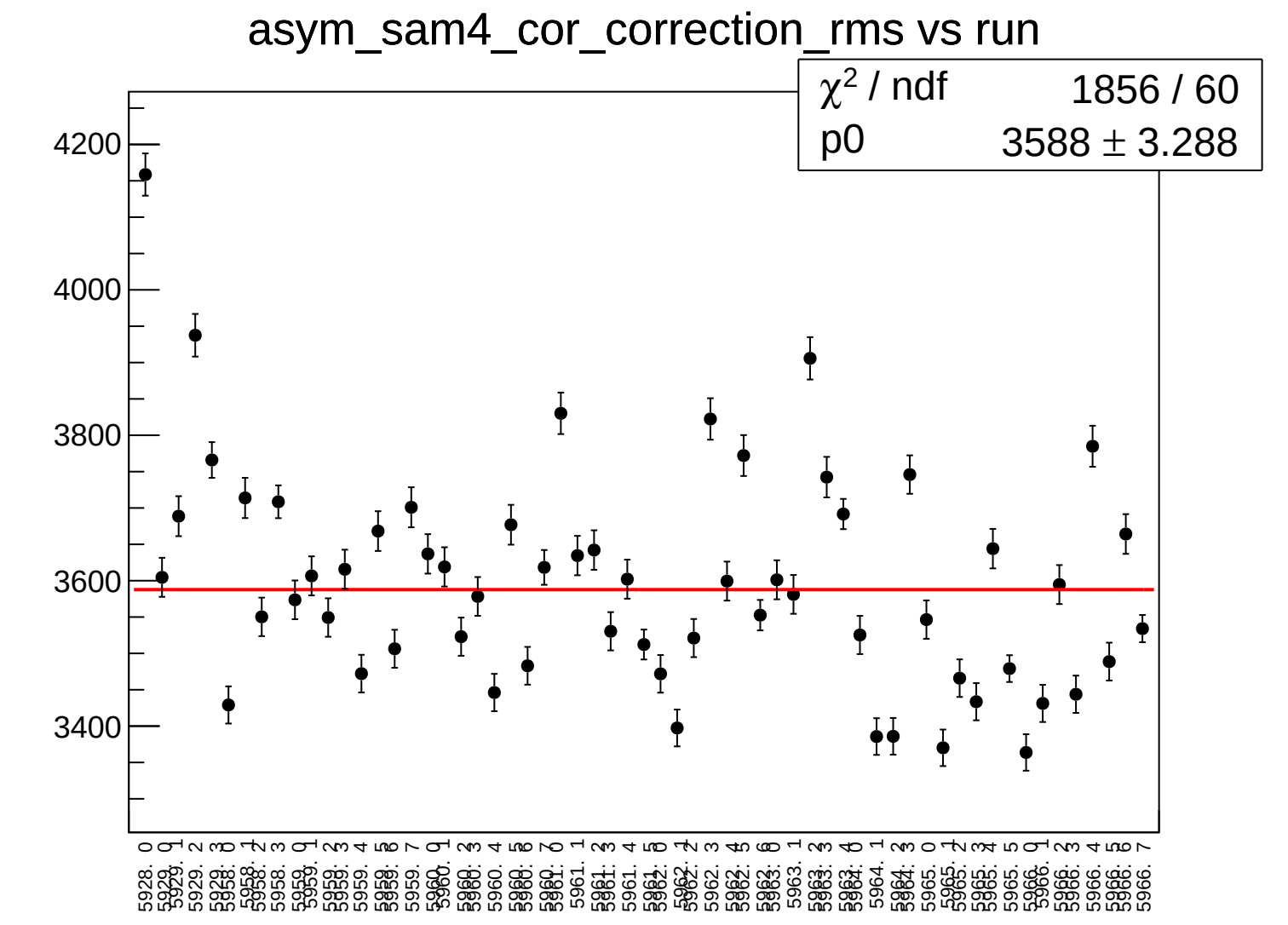
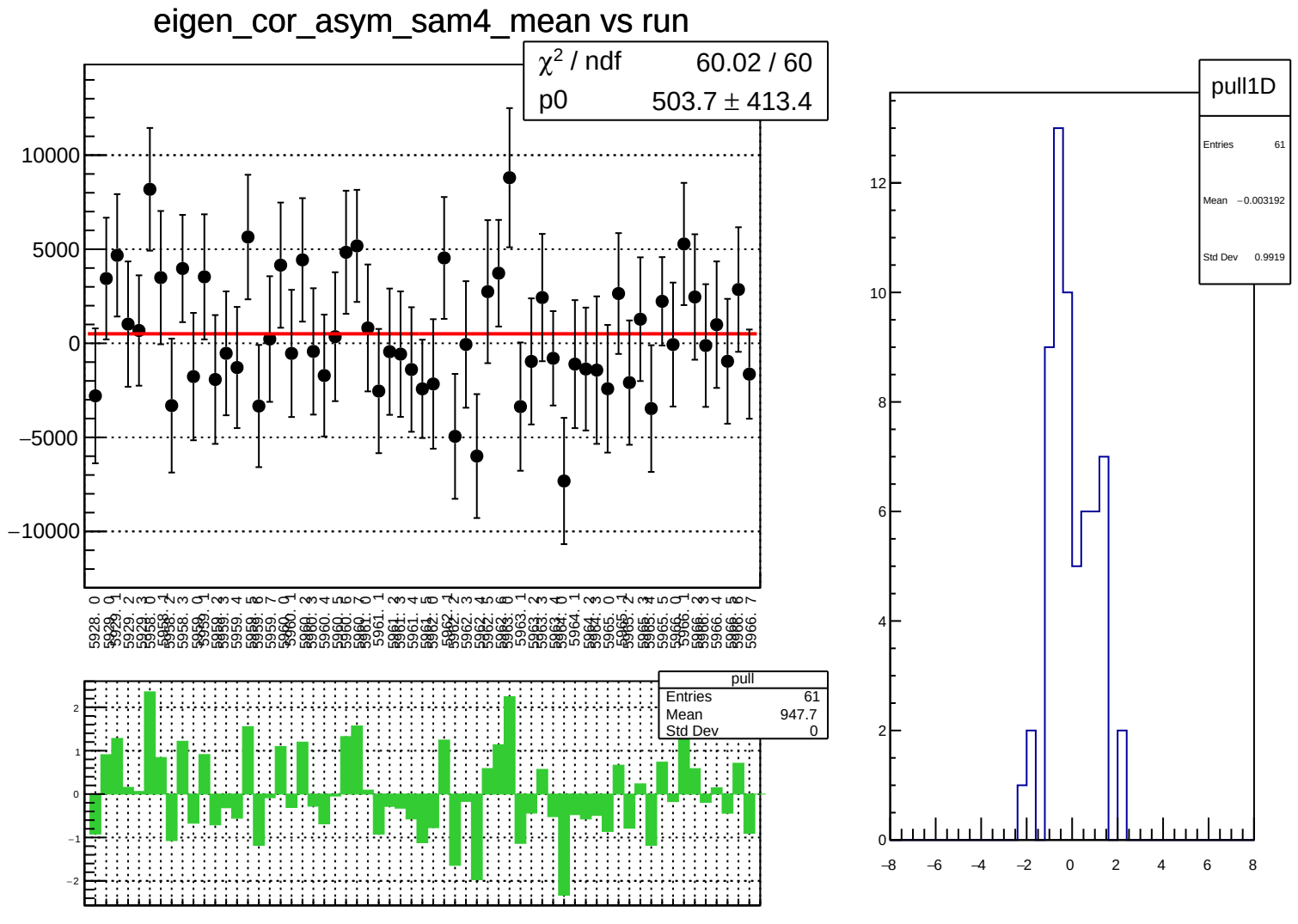
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

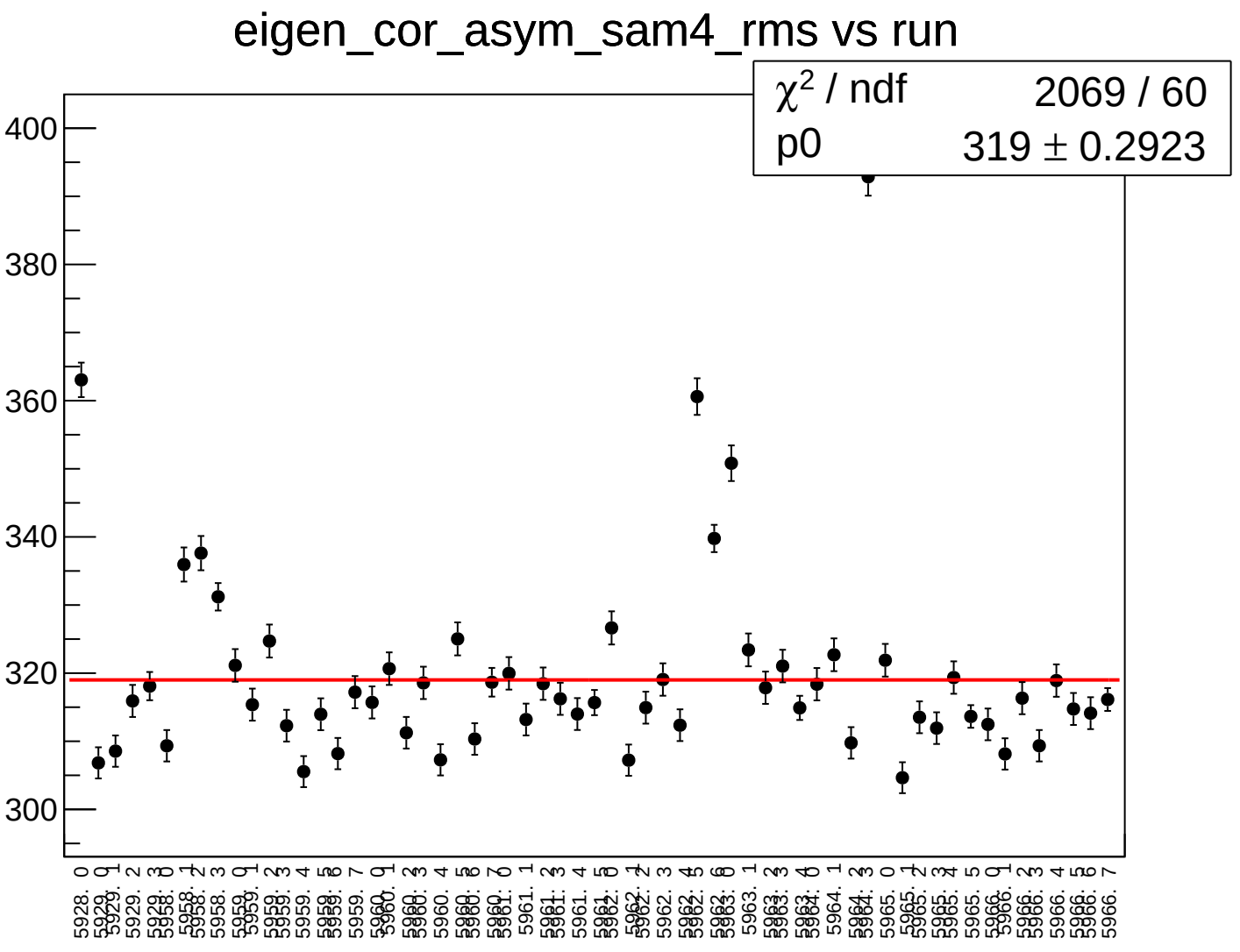

cor_asym_sam4_rms vs run
χ² / ndf 2069 / 60
p0 319 ± 0.2923
400
380
360
340
320
300

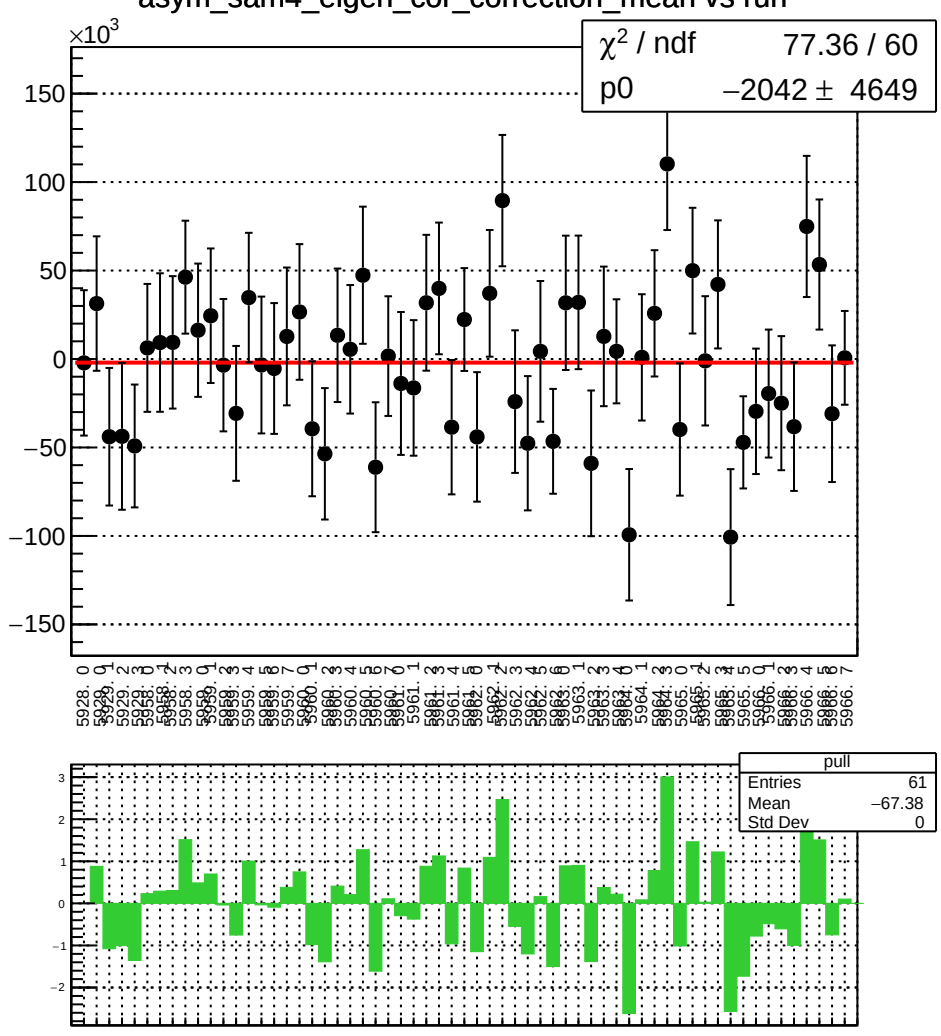

asym_sam4_cor_correction_mean vs run
×10^3
χ^2 / ndf 77.36 / 60
p0 −2042 ± 4649
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −67.38
Std Dev 0
3
2
1
0
−1
−2

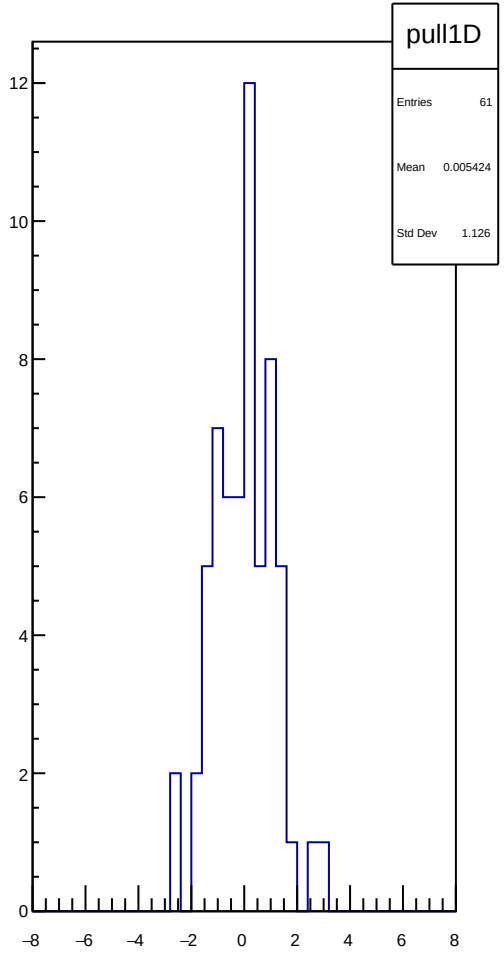

pull1D
Entries 61
Mean 0.005424
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

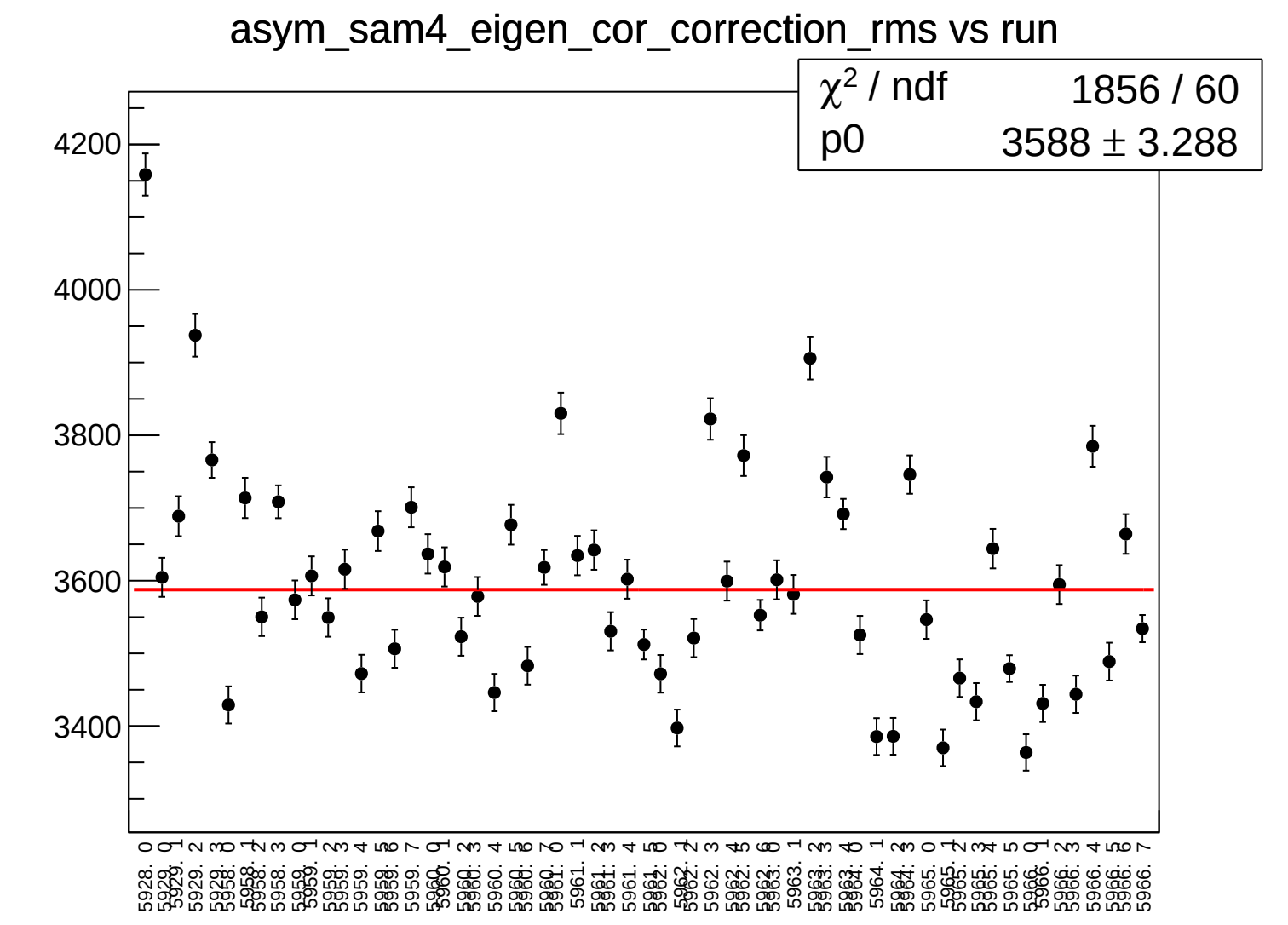

asym_sam4_cor_correction_rms vs run
χ² / ndf 1856 / 60
p0 3588 ± 3.288
4200
4000
3800
3600
3400

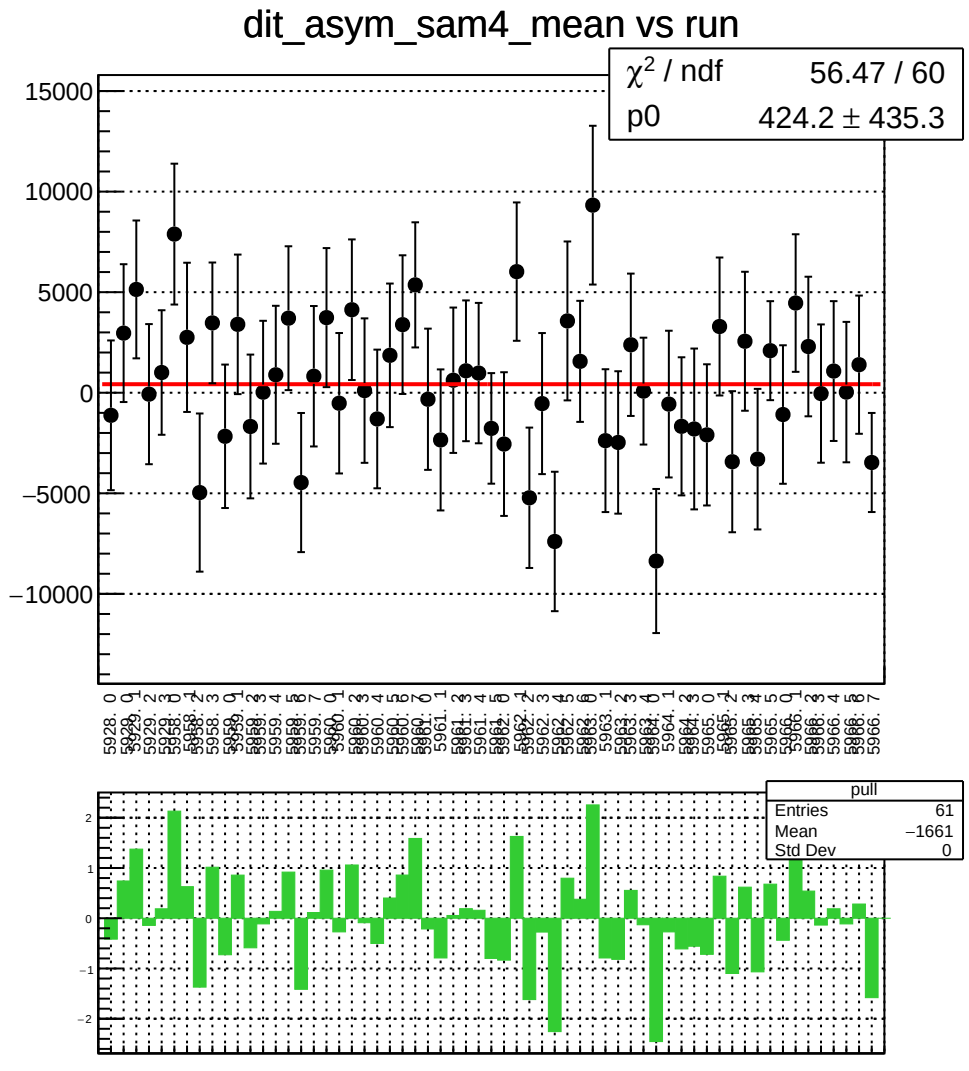

eigen_cor_asym_sam4_mean vs run
χ² / ndf 60.02 / 60
p0 503.7 ± 413.4
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 947.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.003192
Std Dev 0.9919
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

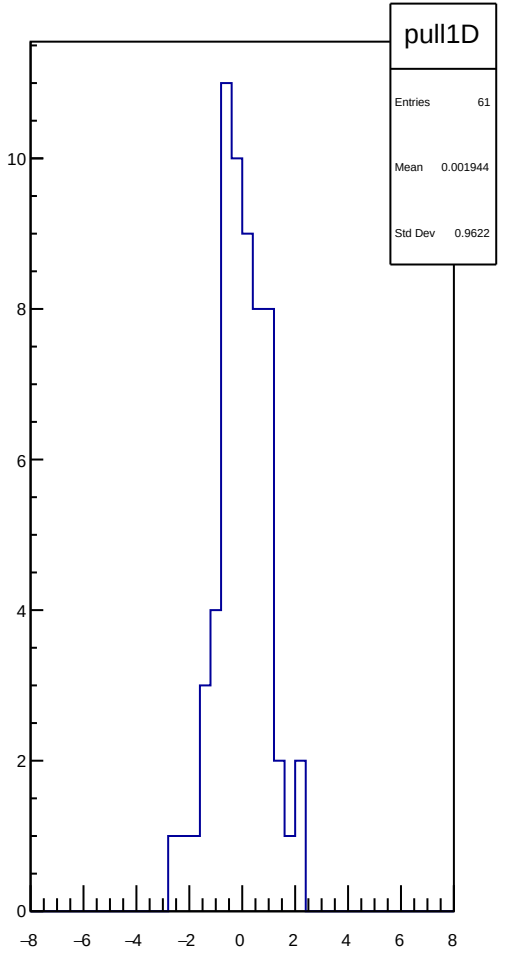

eigen_cor_asym_sam4_rms vs run
χ² / ndf 2069 / 60
p0 319 ± 0.2923
400
380
360
340
320
300

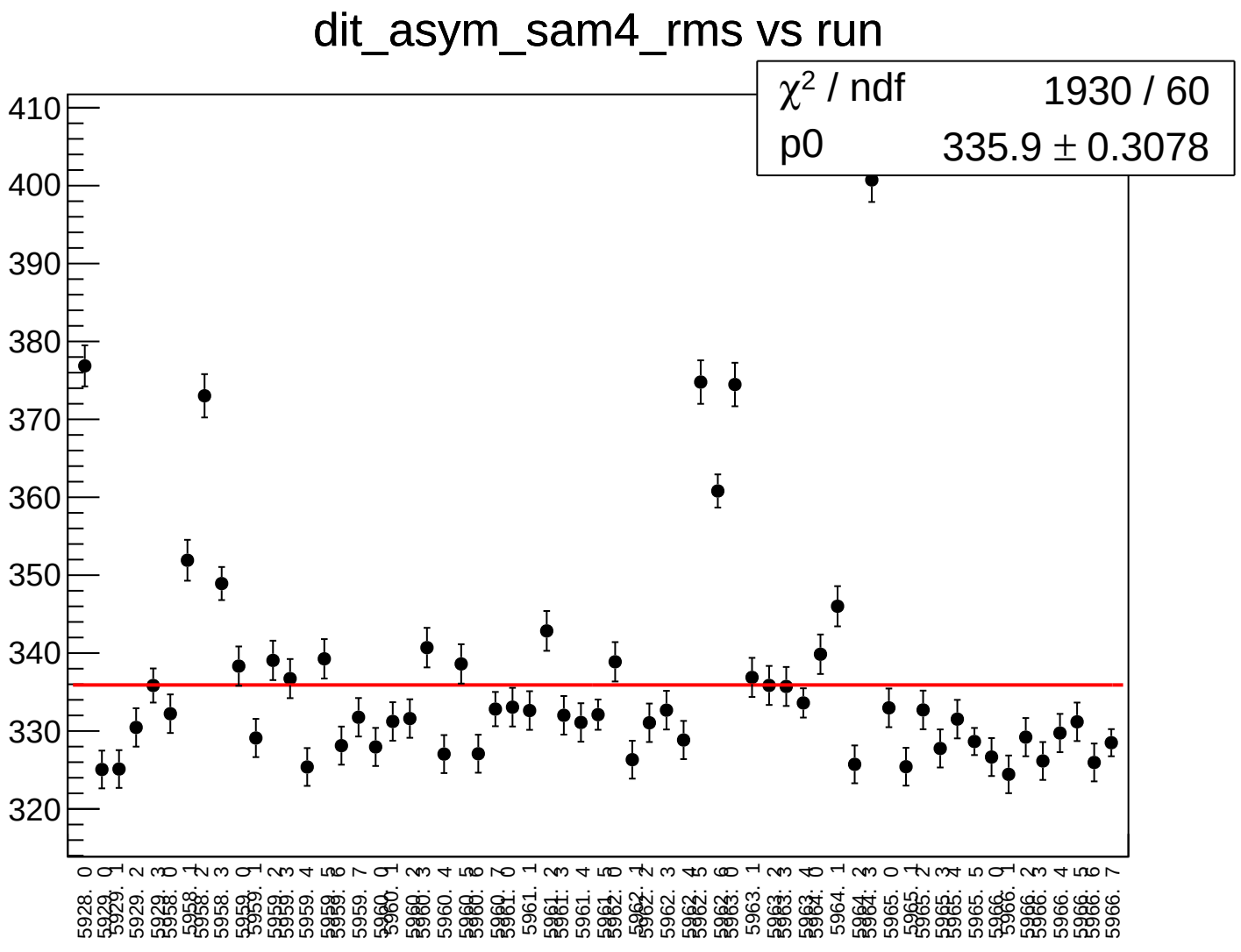

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 77.36 / 60
p0 −2042 ± 4649
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −67.38
Std Dev 0
3
2
1
0
−1
−2

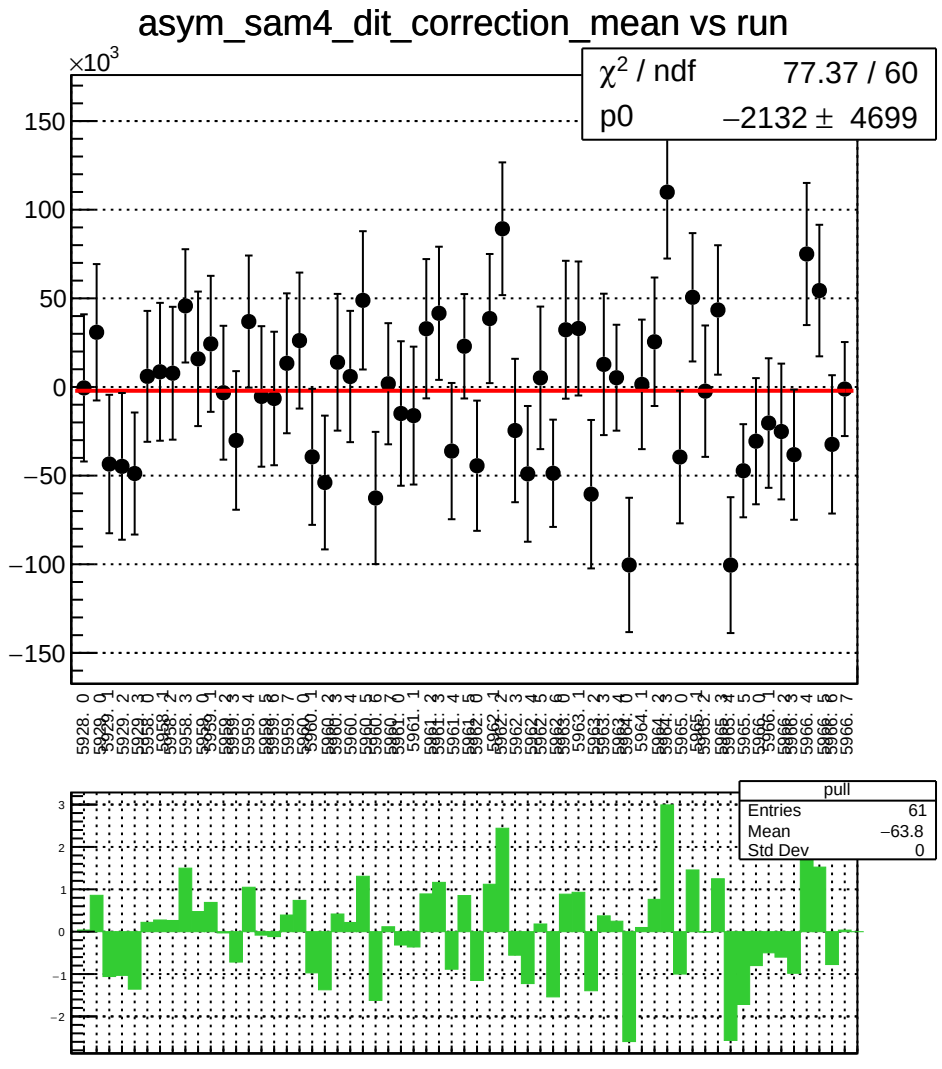

pull1D
Entries 61
Mean 0.005424
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

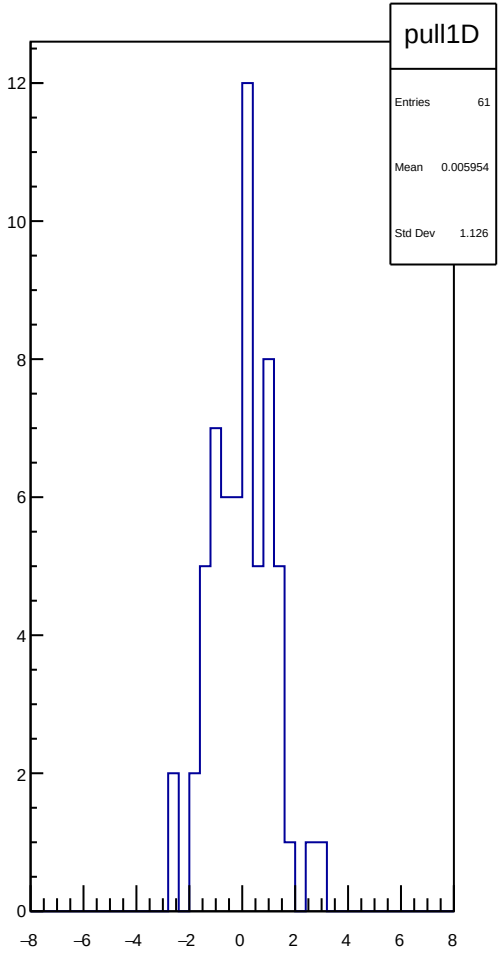

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1856 / 60
p0 3588 ± 3.288
4200
4000
3800
3600
3400

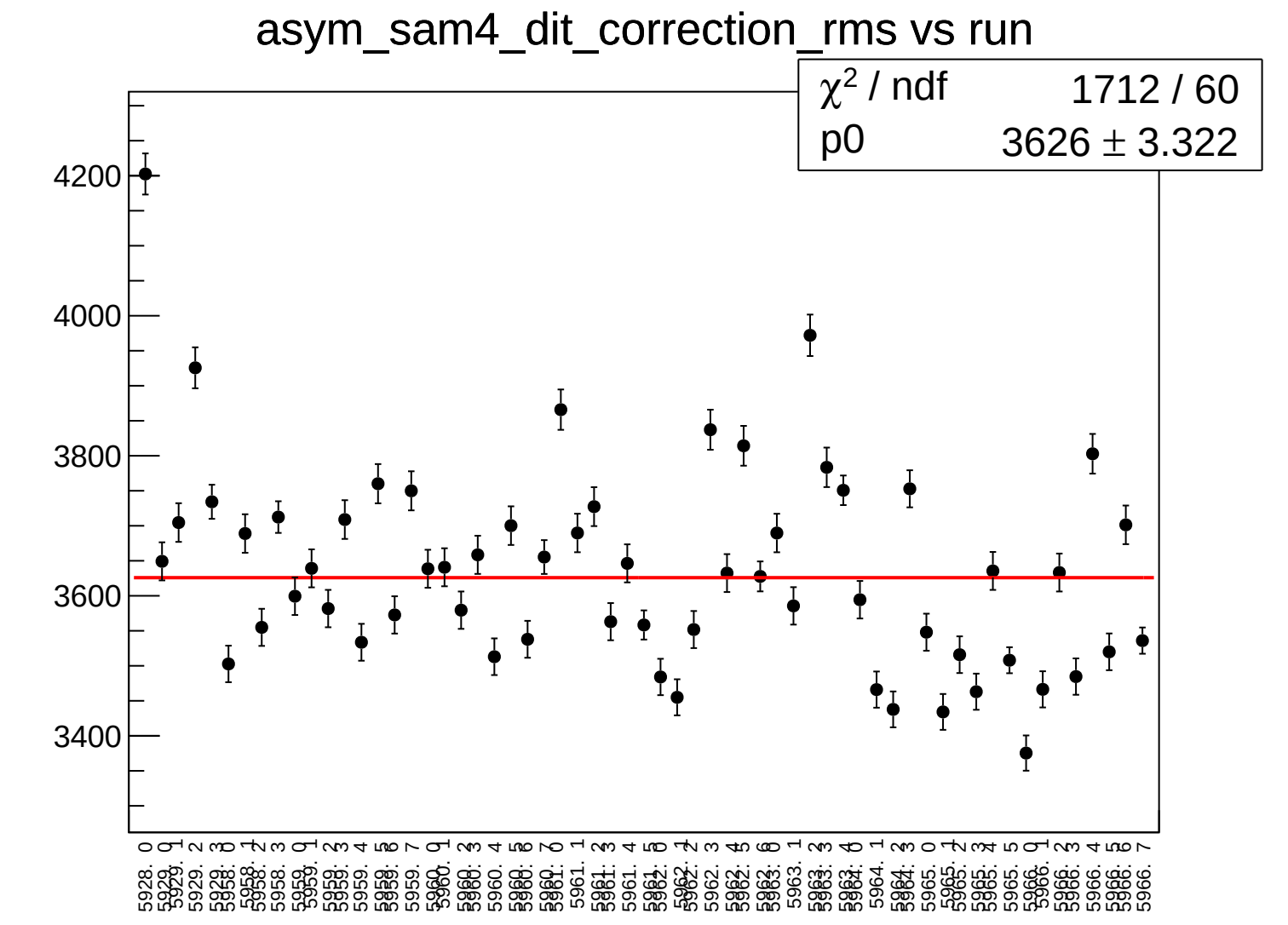

dit_asym_sam4_mean vs run
χ² / ndf 56.47 / 60
p0 424.2 ± 435.3
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −1661
Std Dev 0
2
1
0
−1
−2

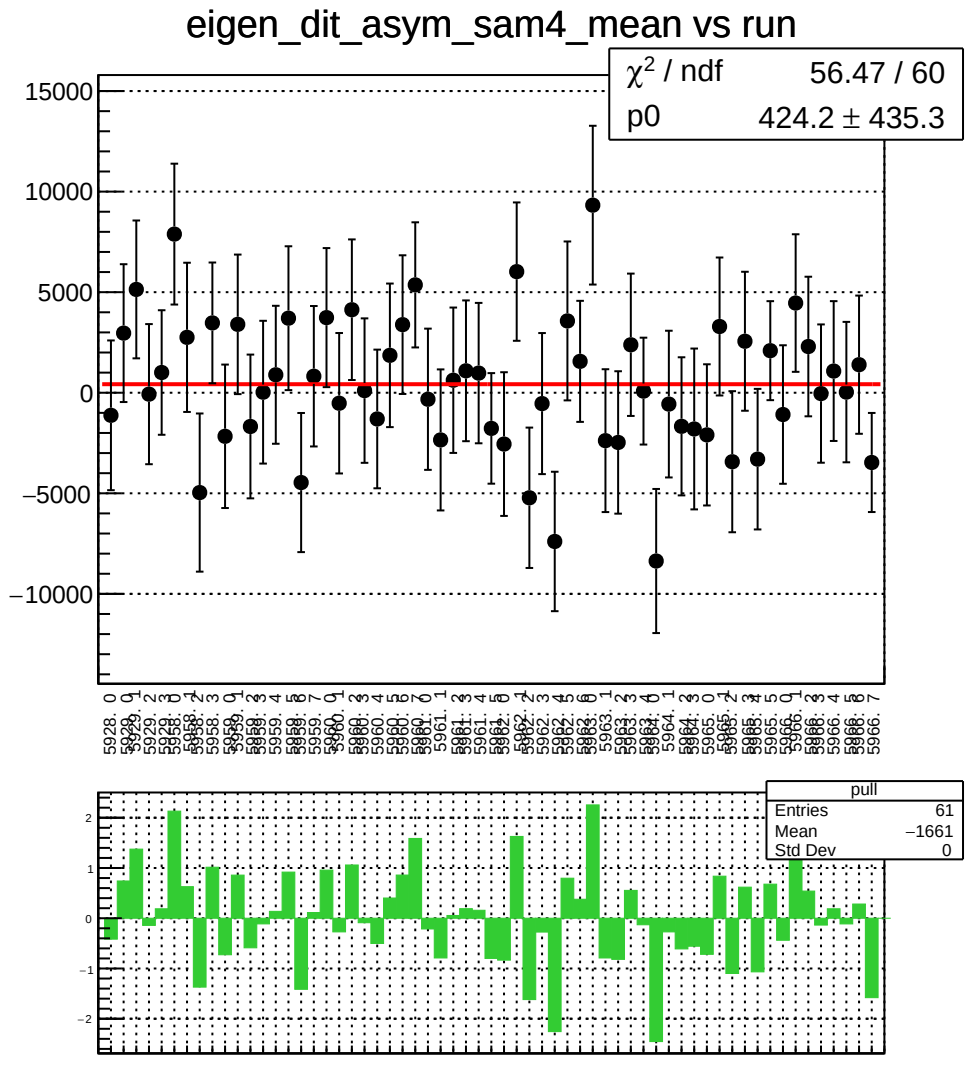

pull1D
Entries 61
Mean 0.001944
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

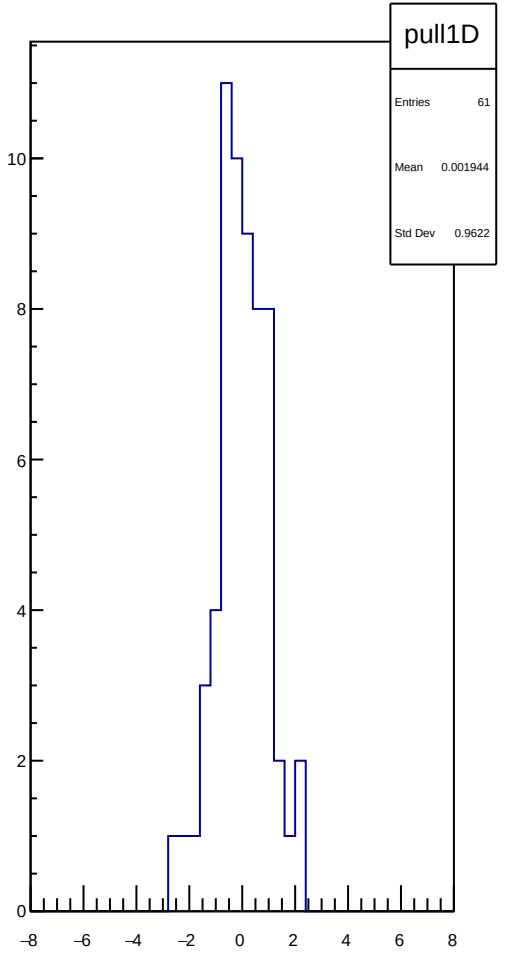

dit_asym_sam4_rms vs run
χ² / ndf 1930 / 60
p0 335.9 ± 0.3078
410
400
390
380
370
360
350
340
330
320

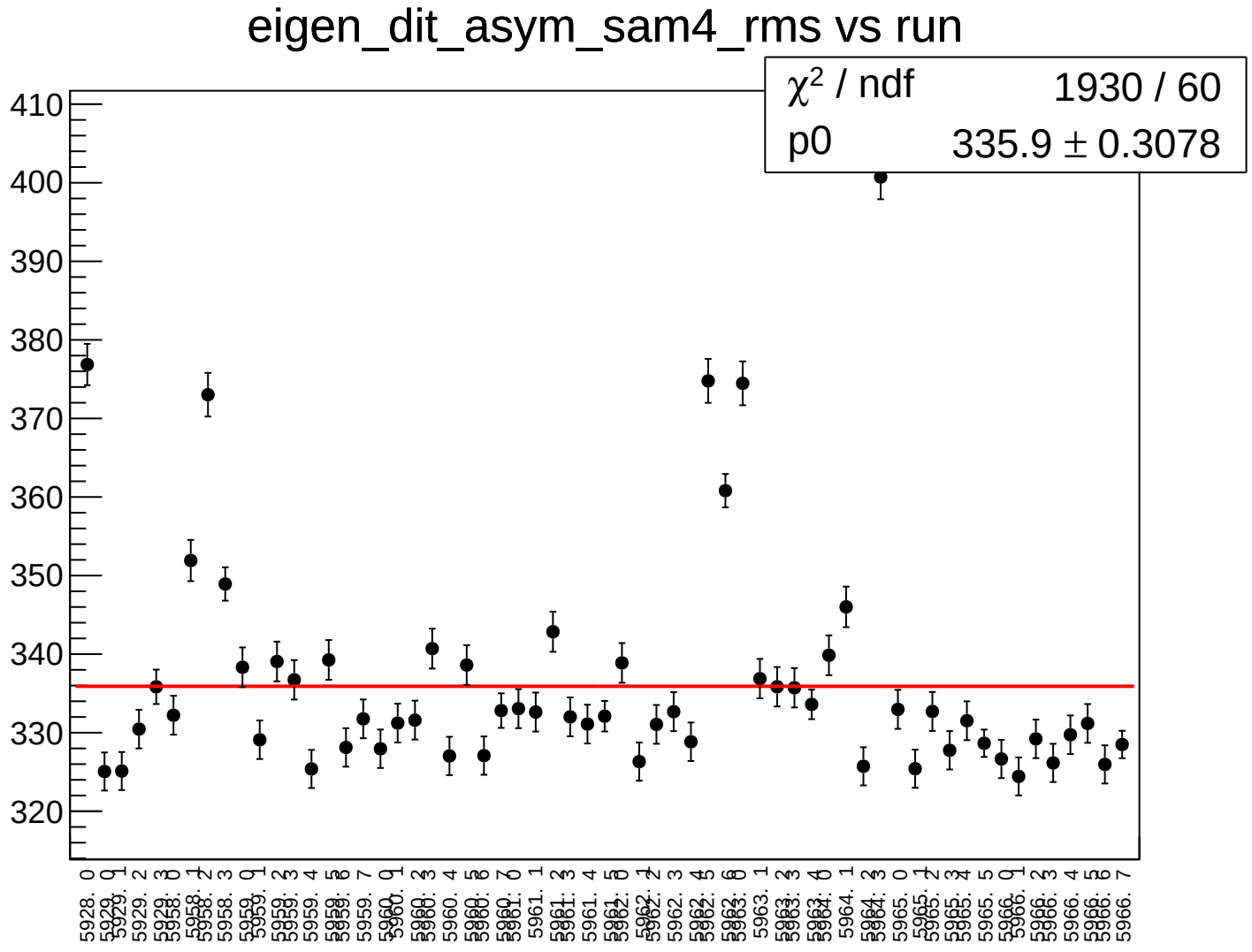

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 77.37 / 60
p0 −2132 ± 4699
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −63.8
Std Dev 0
3
2
1
0
−1
−2

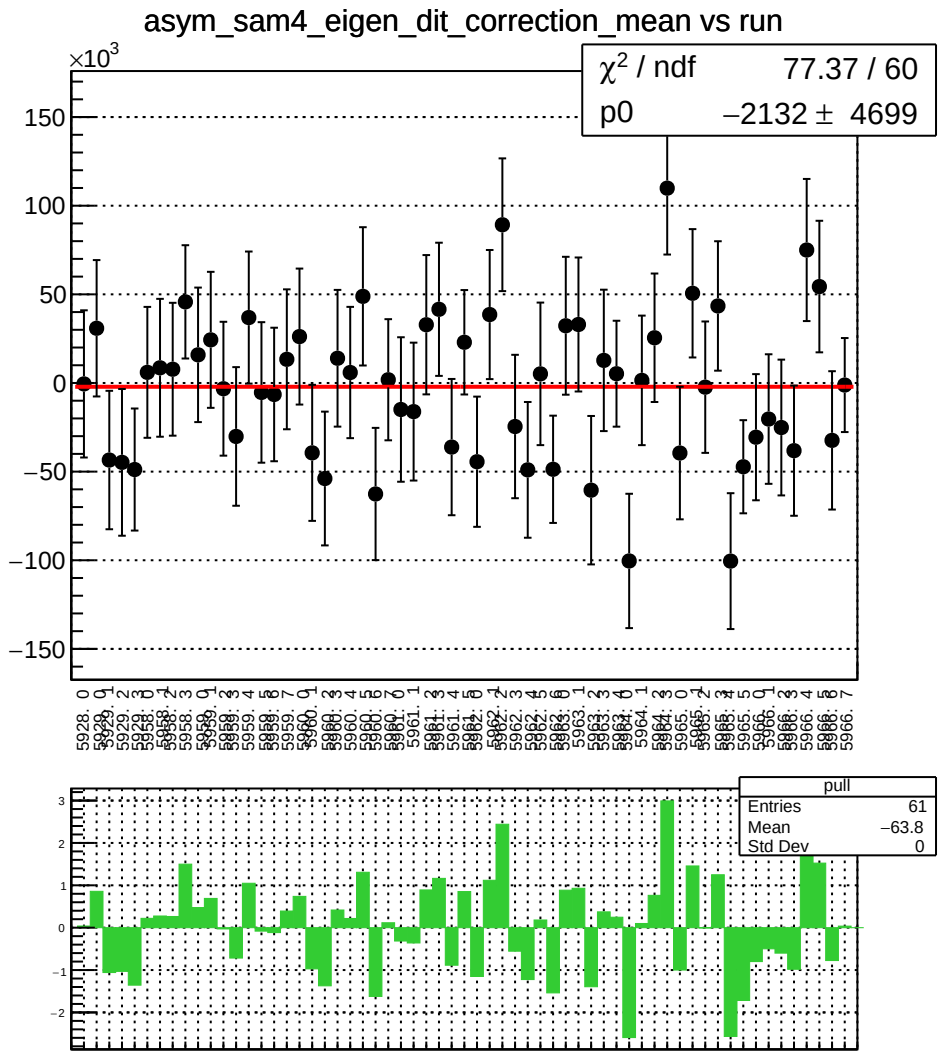

pull1D
Entries 61
Mean 0.005954
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

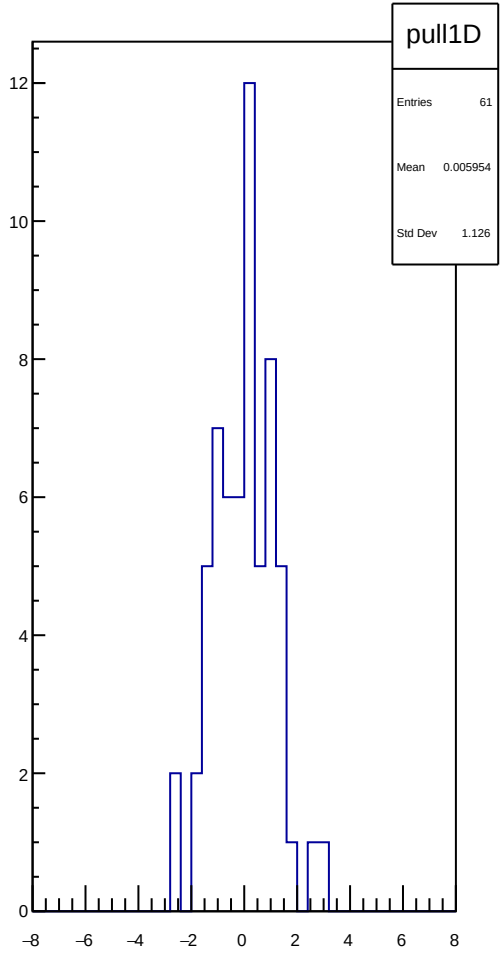

asym_sam4_dit_correction_rms vs run
χ² / ndf 1712 / 60
p0 3626 ± 3.322
4200
4000
3800
3600
3400

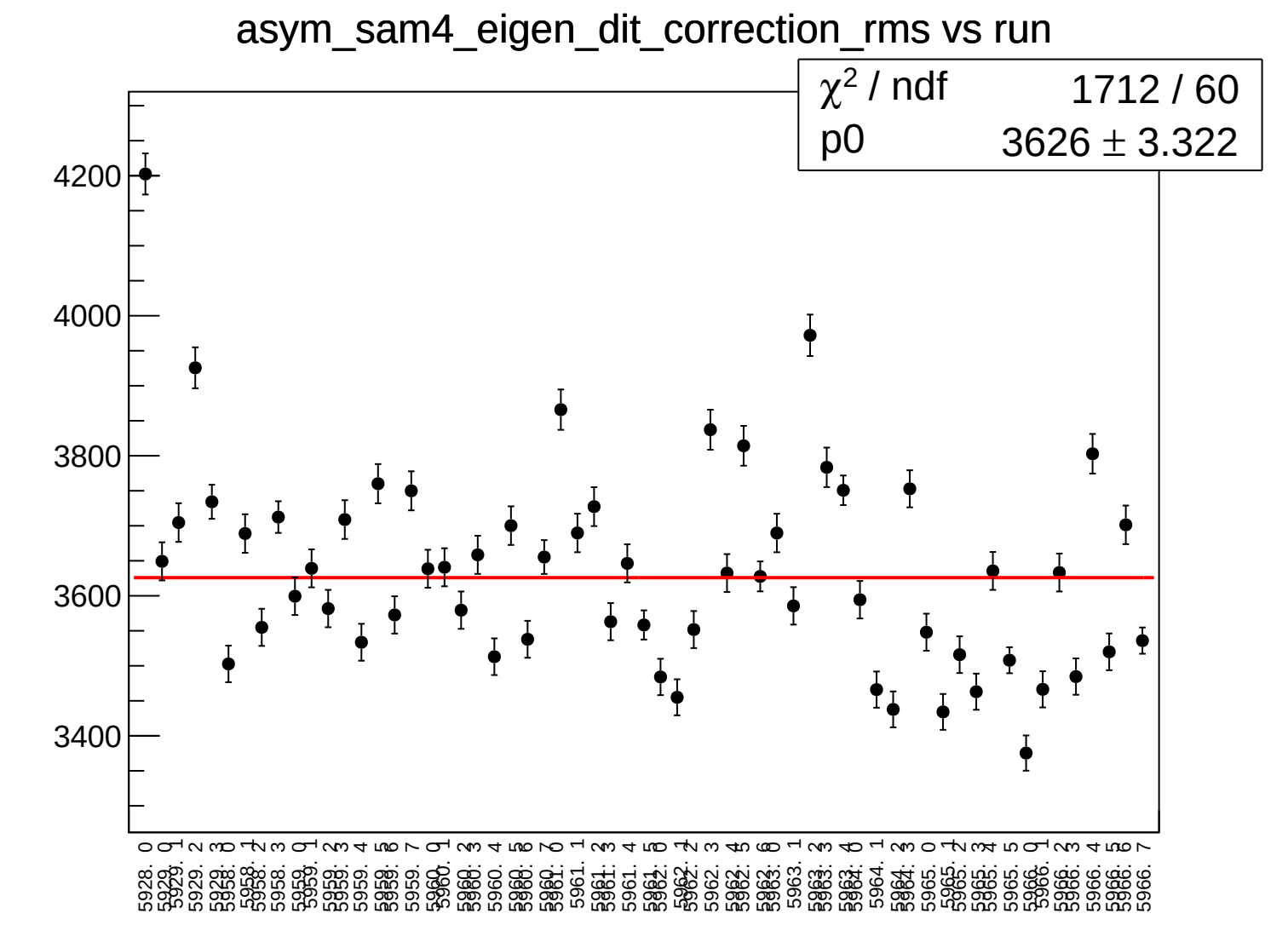

eigen_dit_asym_sam4_mean vs run
χ² / ndf 56.47 / 60
p0 424.2 ± 435.3
15000
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −1661
Std Dev 0
2
1
0
−1
−2

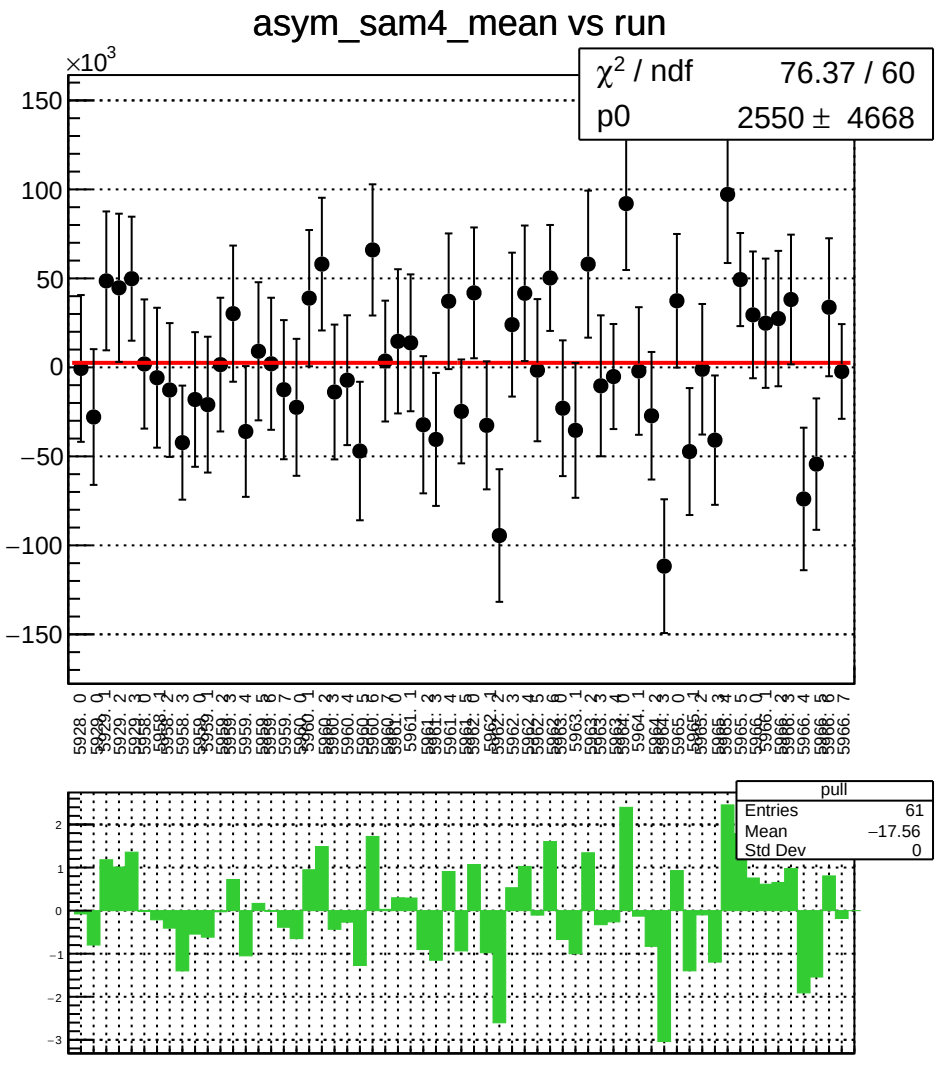

pull1D
Entries 61
Mean 0.001944
Std Dev 0.9622
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

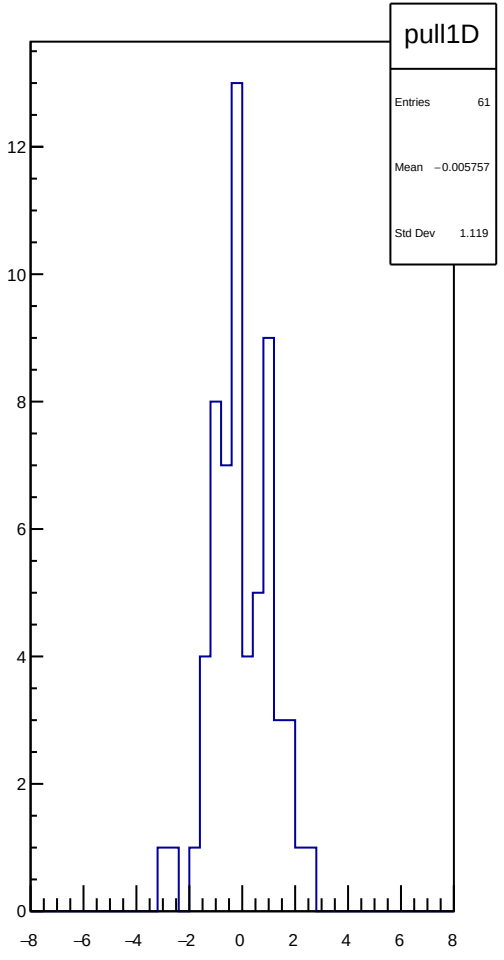

eigen_dit_asym_sam4_rms vs run
χ² / ndf 1930 / 60
p0 335.9 ± 0.3078
410
400
390
380
370
360
350
340
330
320

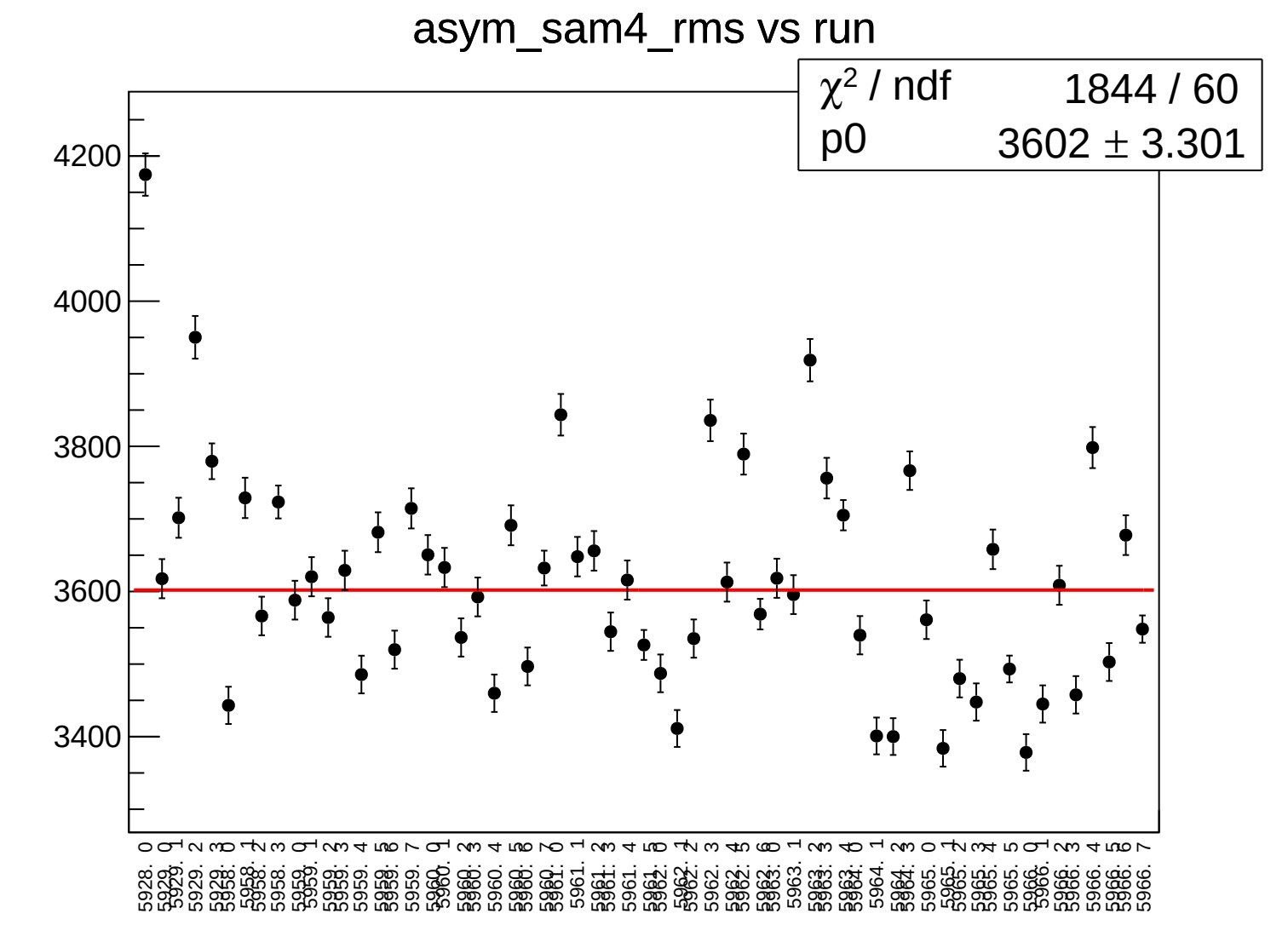

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 77.37 / 60
p0 −2132 ± 4699
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −63.8
Std Dev 0
3
2
1
0
−1
−2

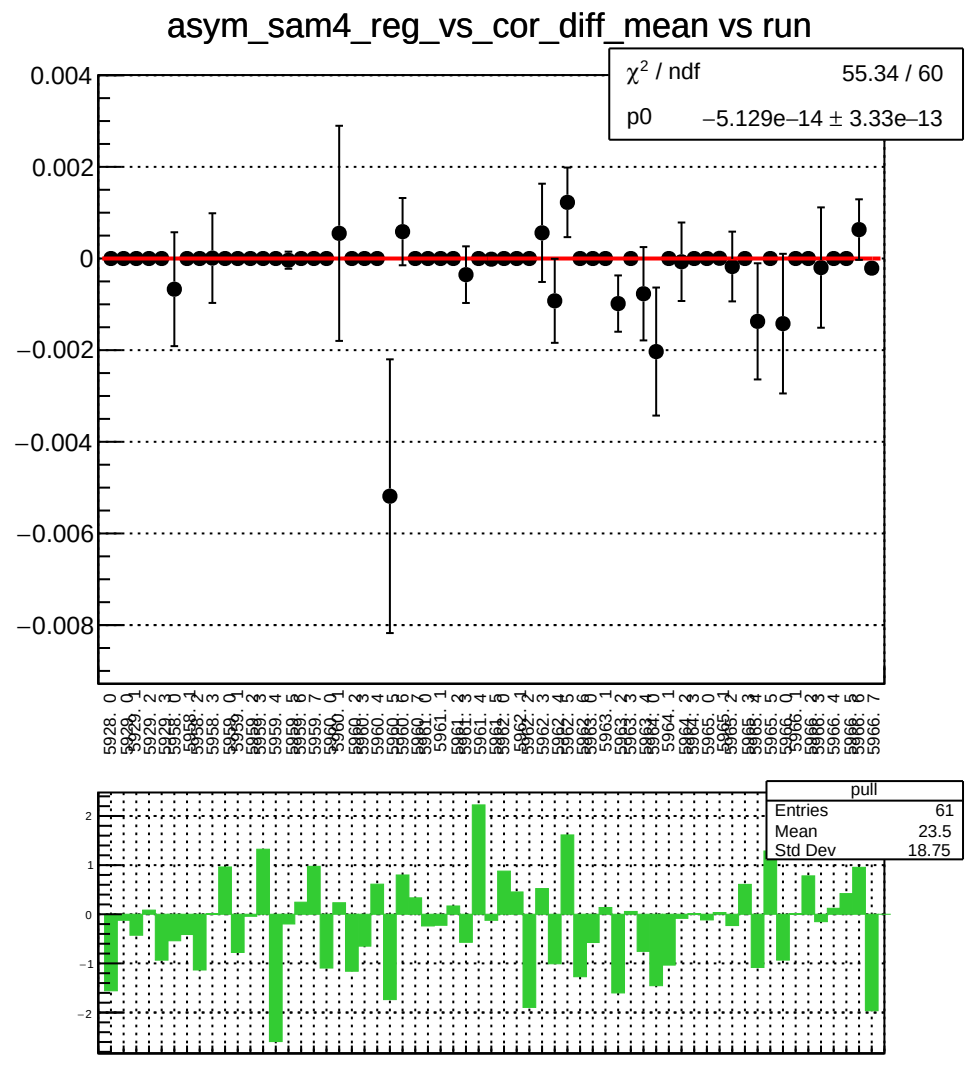

pull1D
Entries 61
Mean 0.005954
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

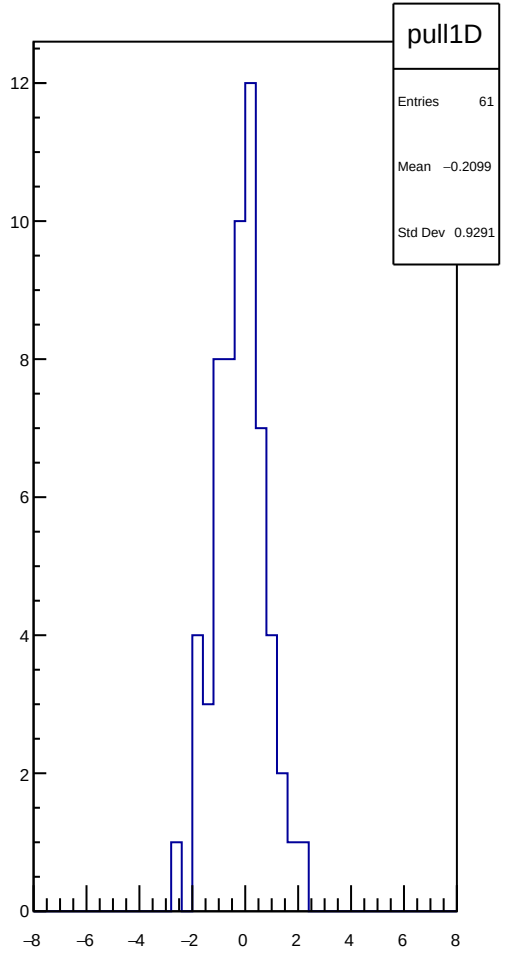

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1712 / 60
p0 3626 ± 3.322
4200
4000
3800
3600
3400

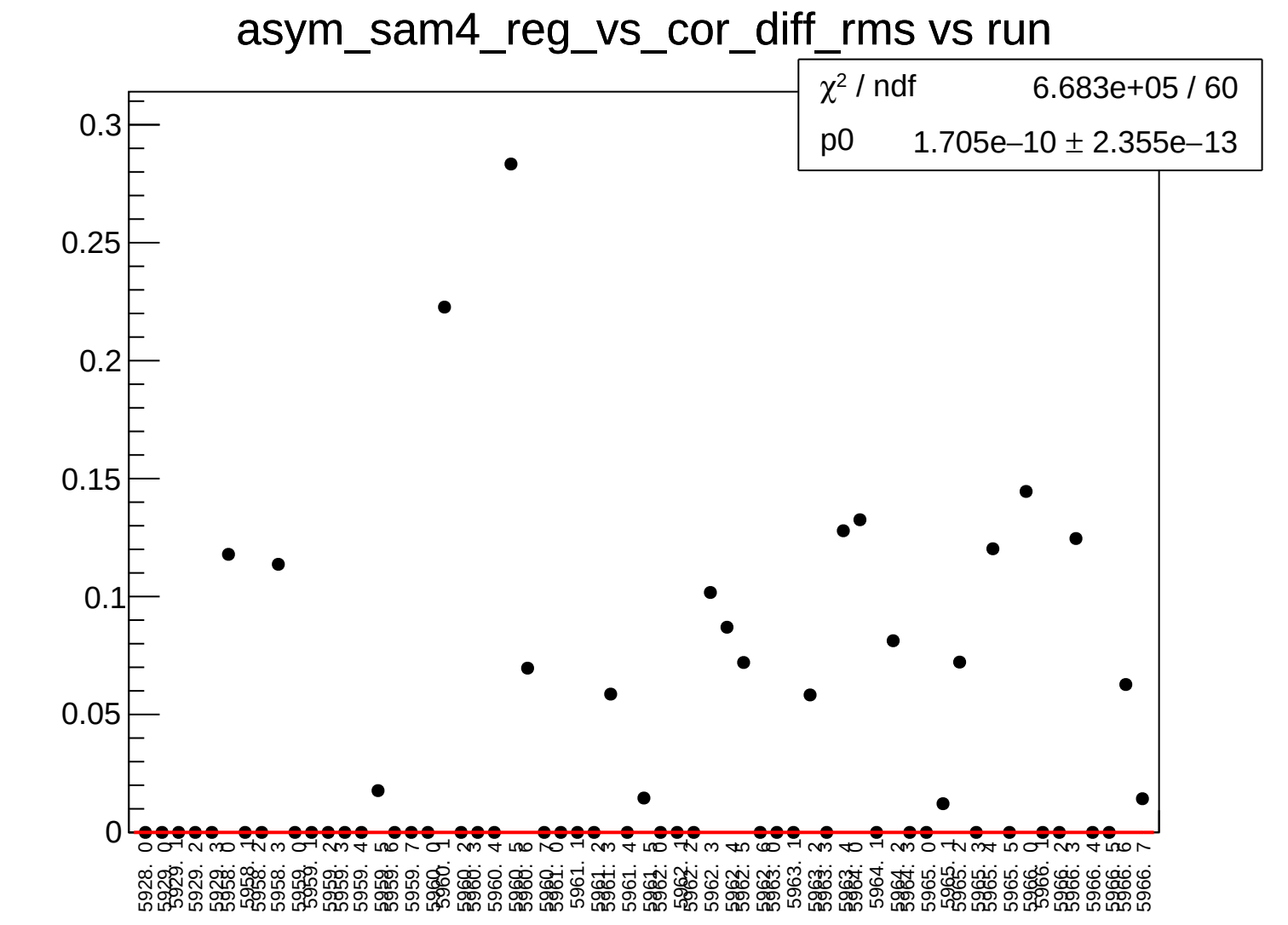

asym_sam4_mean vs run
×10^3
χ^2 / ndf 76.37 / 60
p0 2550 ± 4668
150
100
50
0
−50
−100
−150
pull
Entries 61
Mean −17.56
Std Dev 0
2
1
0
−1
−2
−3

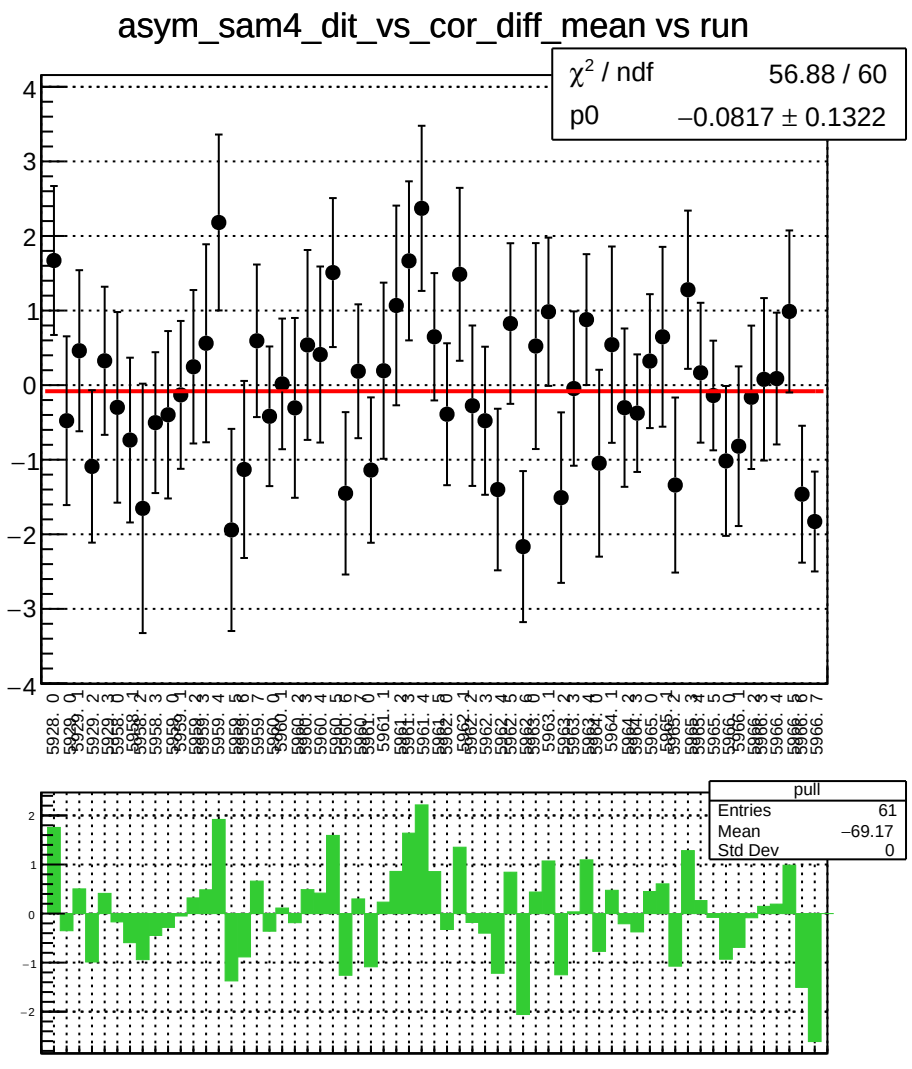

pull1D
Entries 61
Mean −0.005757
Std Dev 1.119
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

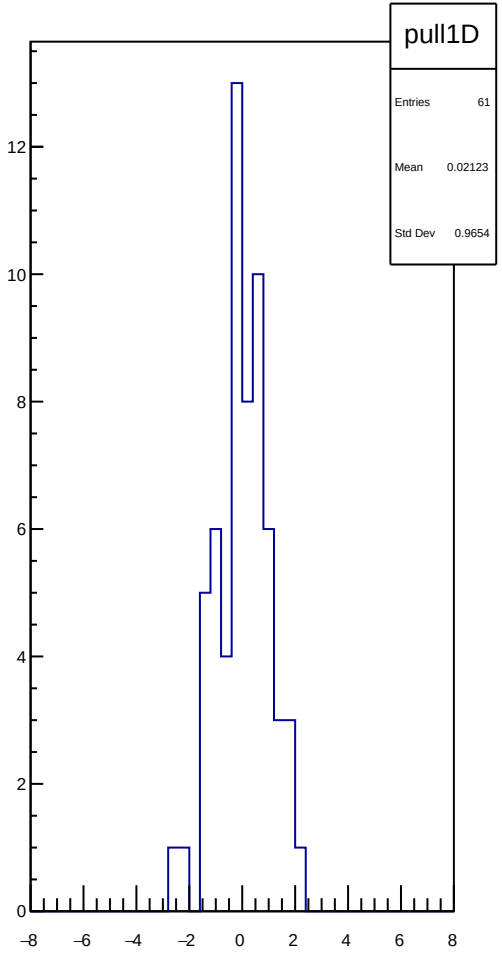

asym_sam4_rms vs run
χ² / ndf 1844 / 60
p0 3602 ± 3.301
4200
4000
3800
3600
3400

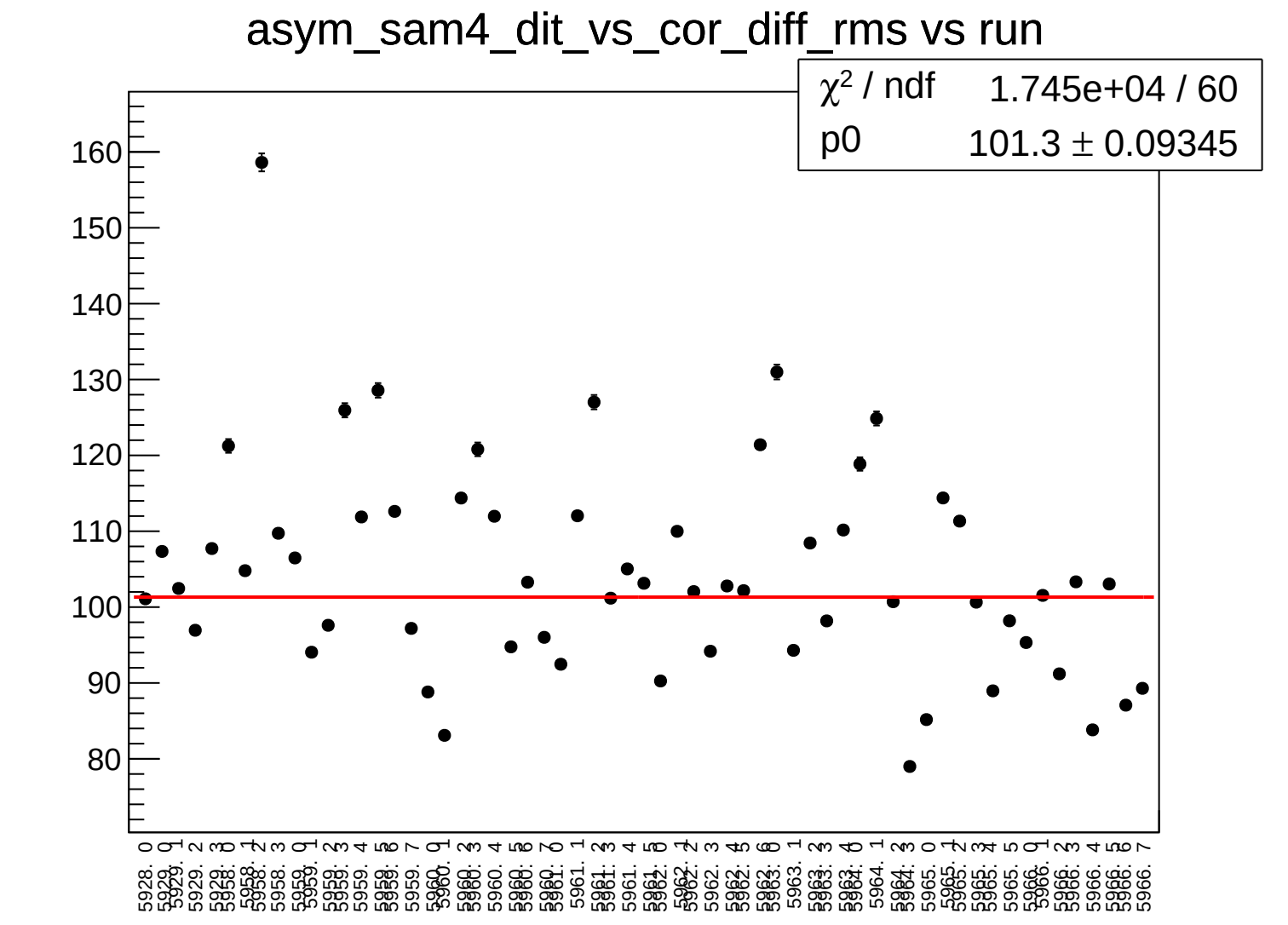

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 55.34 / 60
p0 −5.129e−14 ± 3.33e−13
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 61
Mean 23.5
Std Dev 18.75
2
1
0
−1
−2

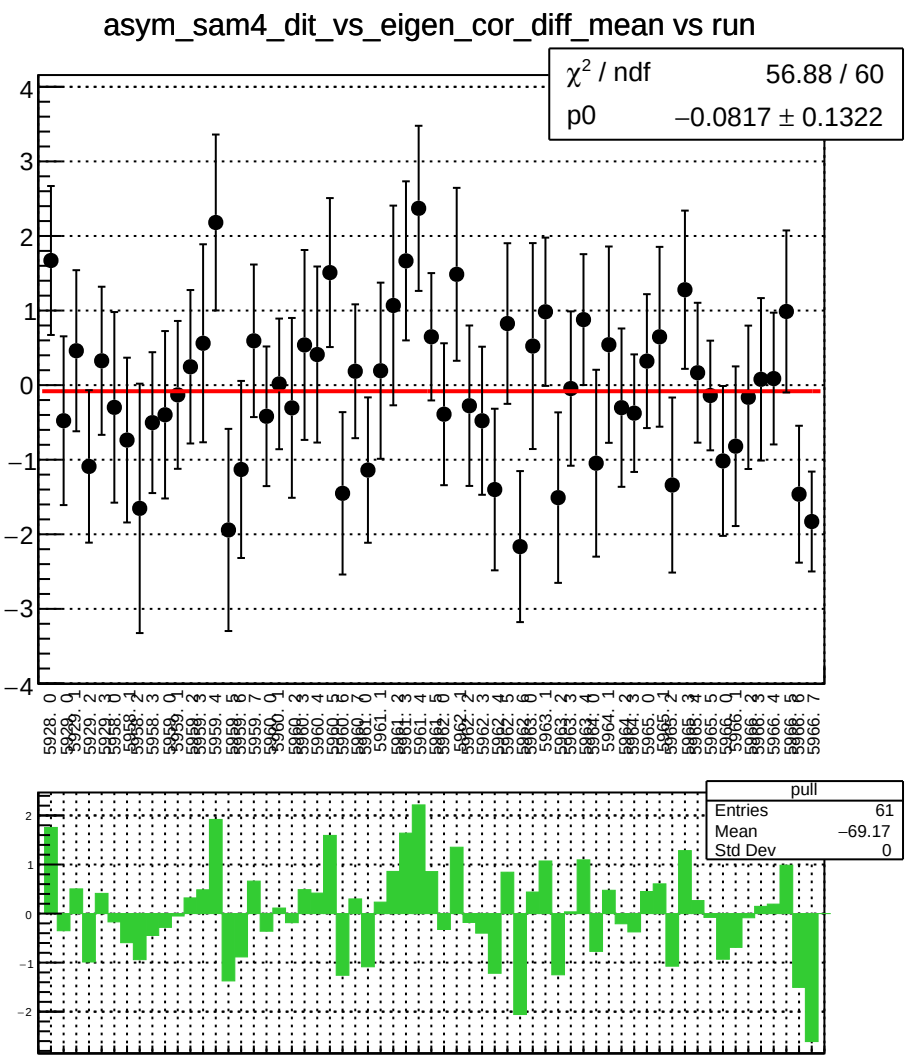

pull1D
Entries 61
Mean −0.2099
Std Dev 0.9291
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

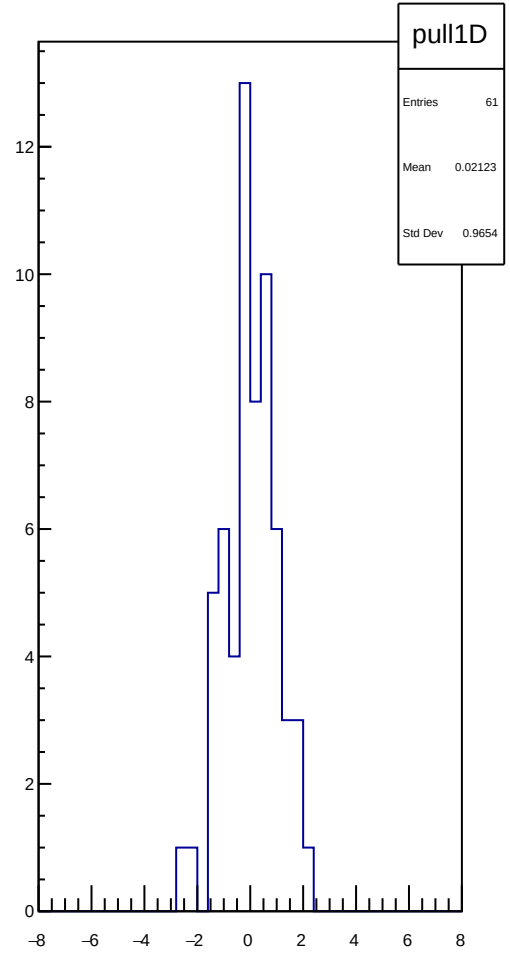

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 6.683e+05 / 60
p0 1.705e−10 ± 2.355e−13
0.3
0.25
0.2
0.15
0.1
0.05
0

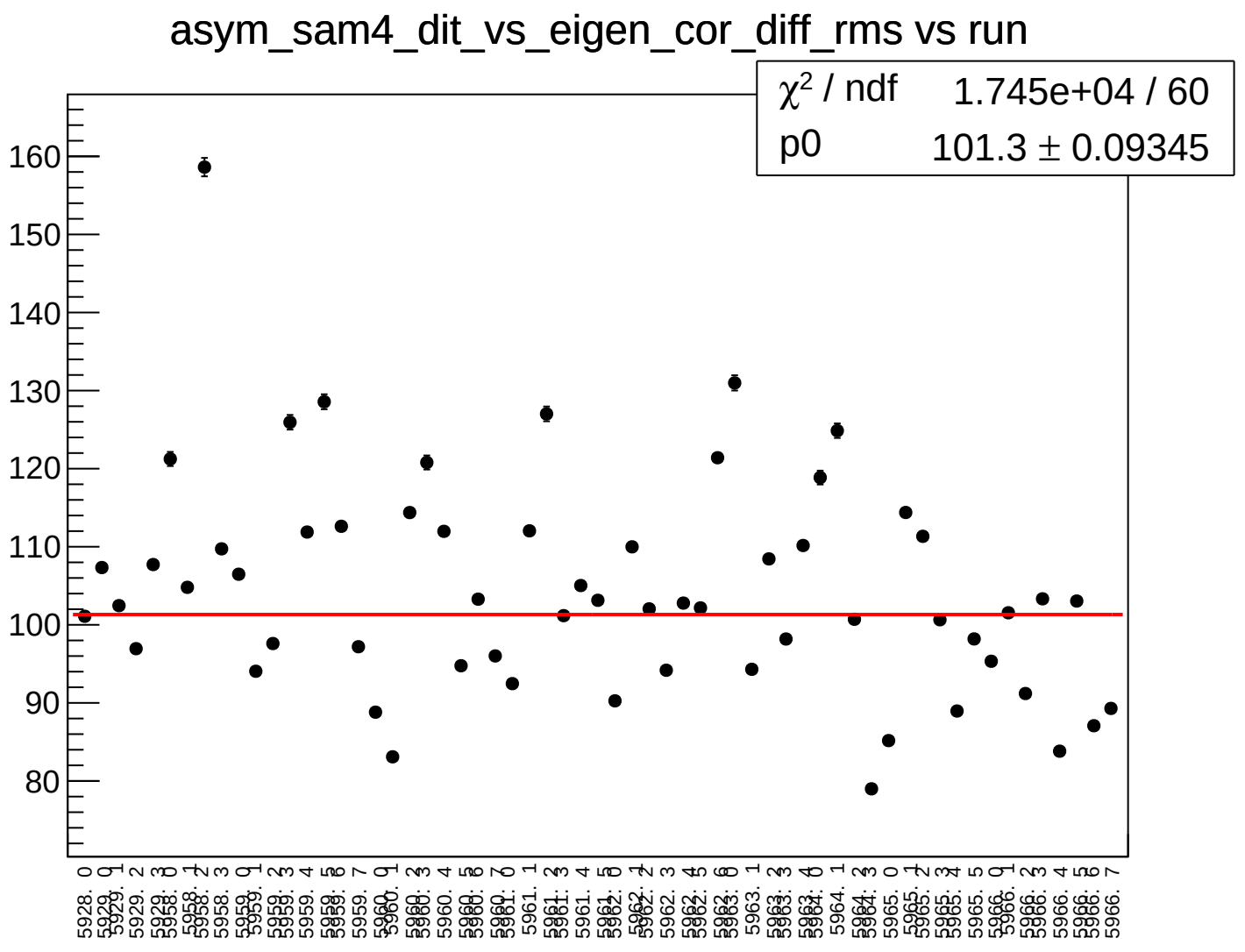

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 56.88 / 60
p0 −0.0817 ± 0.1322
pull
Entries 61
Mean −69.17
Std Dev 0

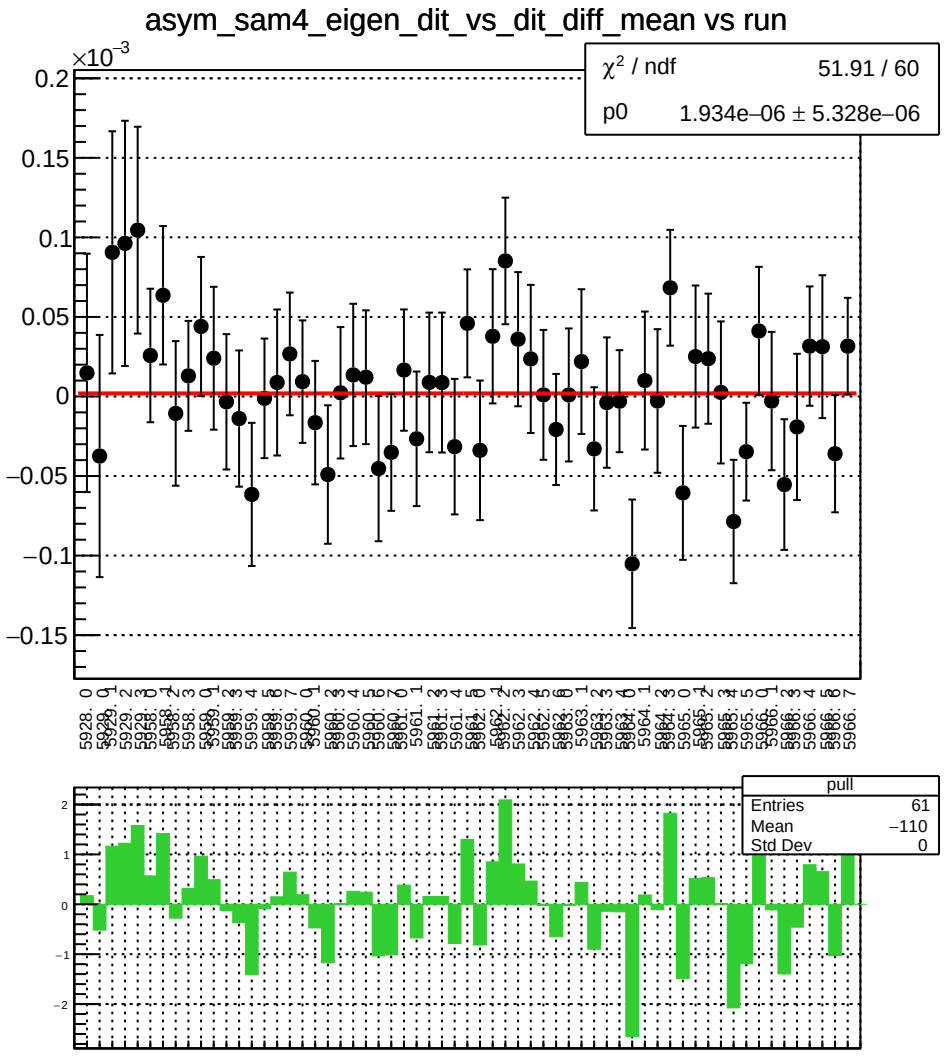

pull1D
Entries 61
Mean 0.02123
Std Dev 0.9654

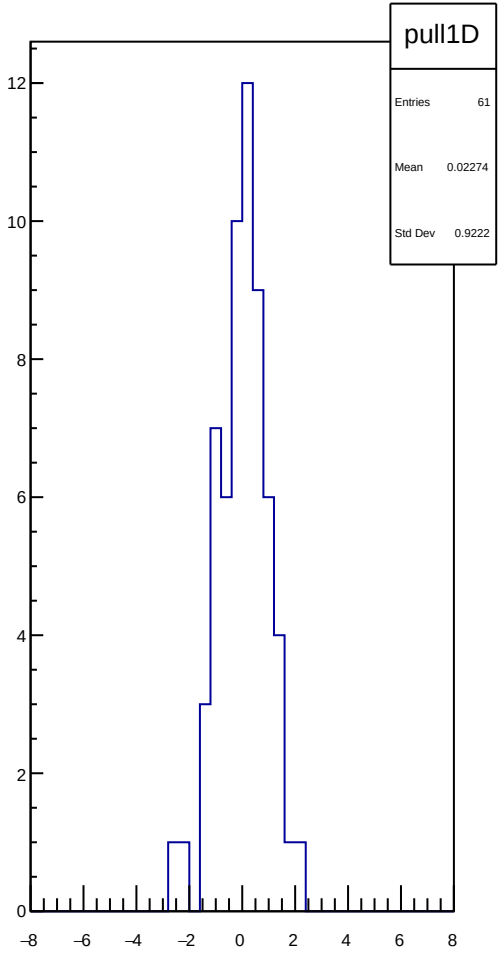

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.745e+04 / 60
p0 101.3 ± 0.09345
160
150
140
130
120
110
100
90
80

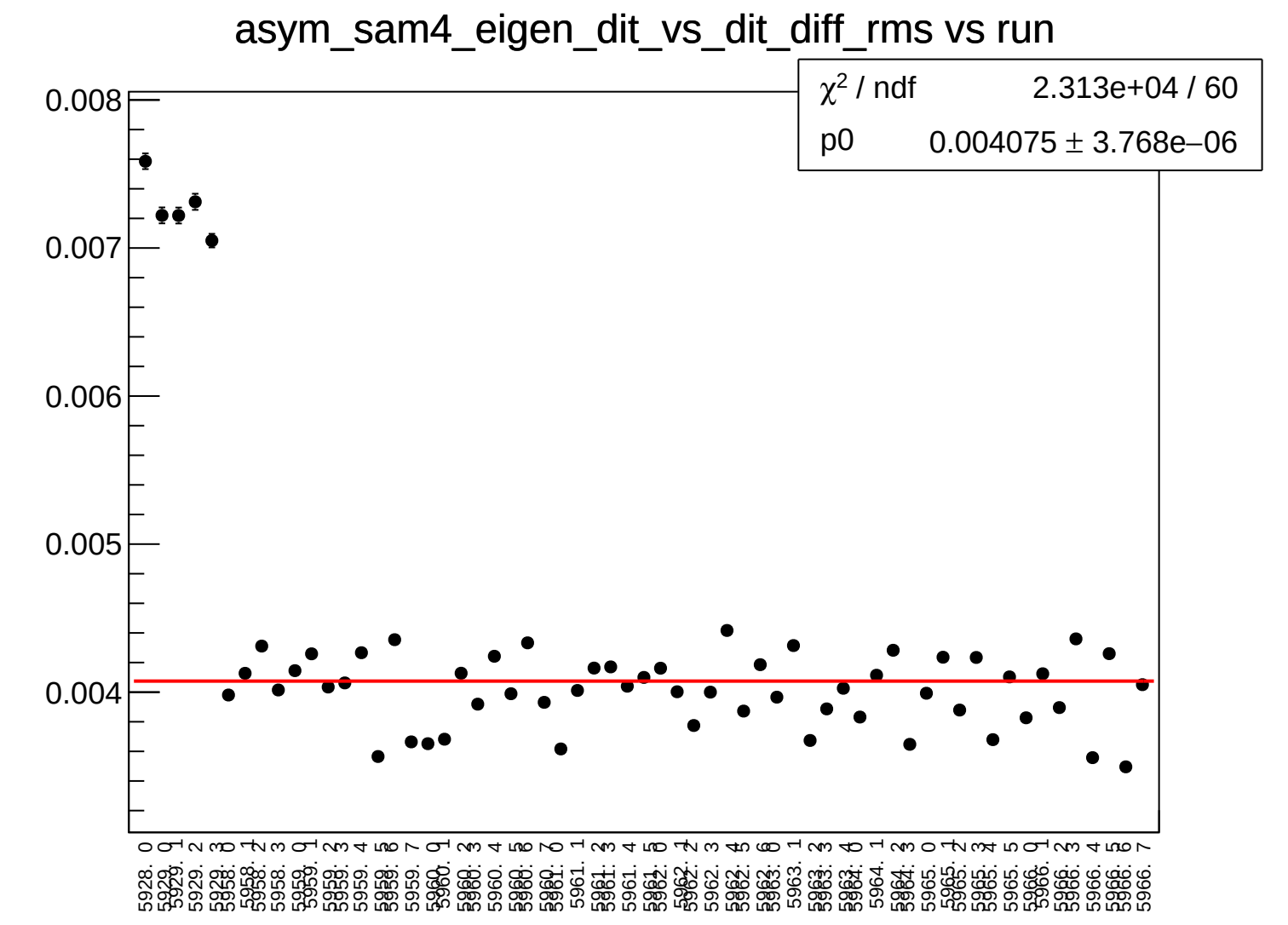

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.88 / 60
p0 −0.0817 ± 0.1322
pull
Entries 61
Mean −69.17
Std Dev 0


pull1D
Entries 61
Mean 0.02123
Std Dev 0.9654

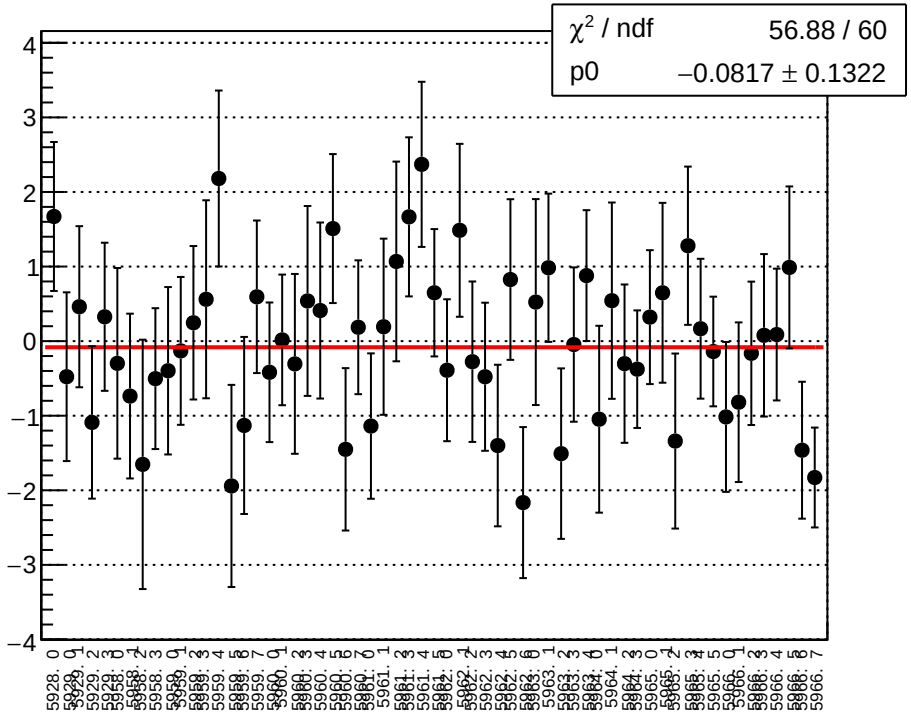

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.745e+04 / 60
p0 101.3 ± 0.09345
160
150
140
130
120
110
100
90
80

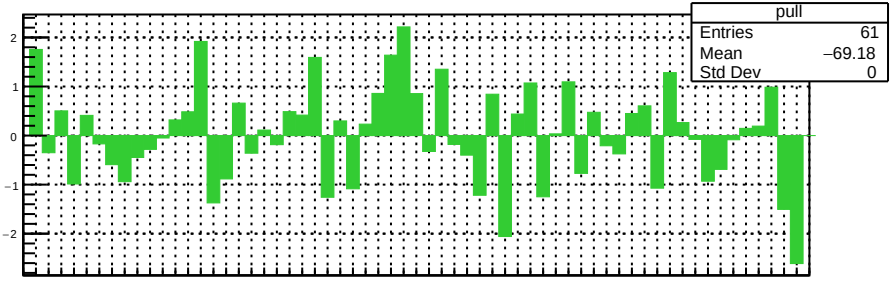

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.91 / 60
p0 1.934e−06 ± 5.328e−06
pull
Entries 61
Mean −110
Std Dev 0

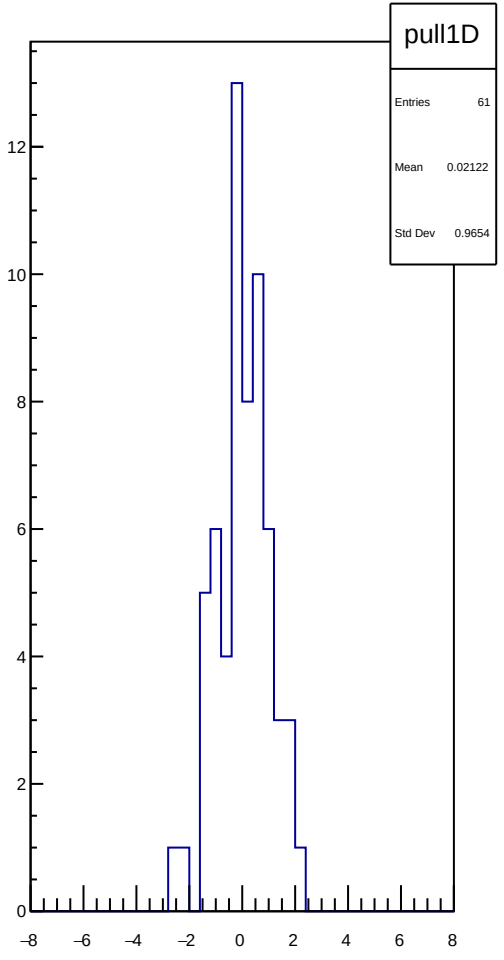

pull1D
Entries 61
Mean 0.02274
Std Dev 0.9222

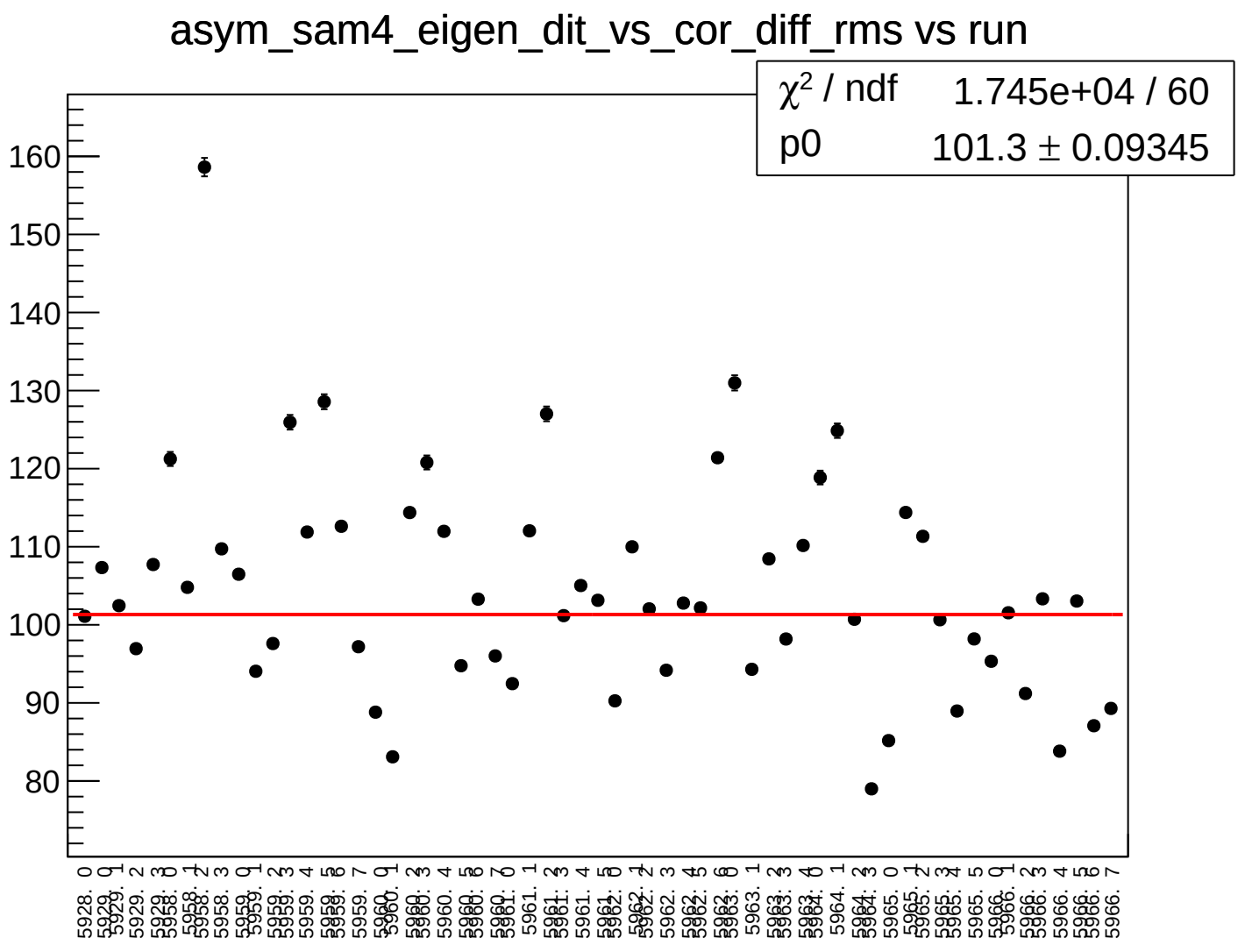

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.313e+04 / 60
p0 0.004075 ± 3.768e−06
0.008
0.007
0.006
0.005
0.004

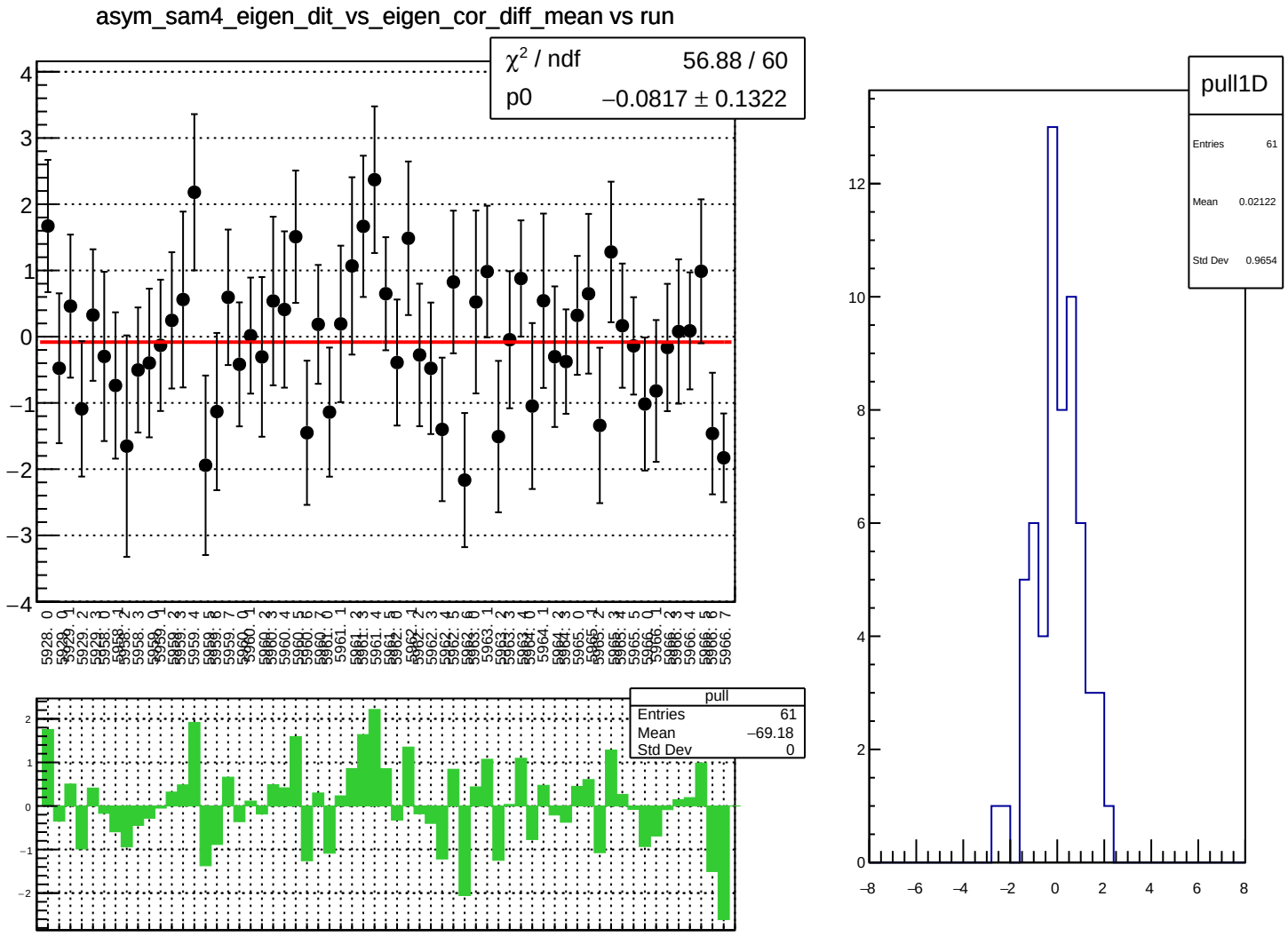
asym_sam4_eigen_dit_vs_cor_diff_mean vs run

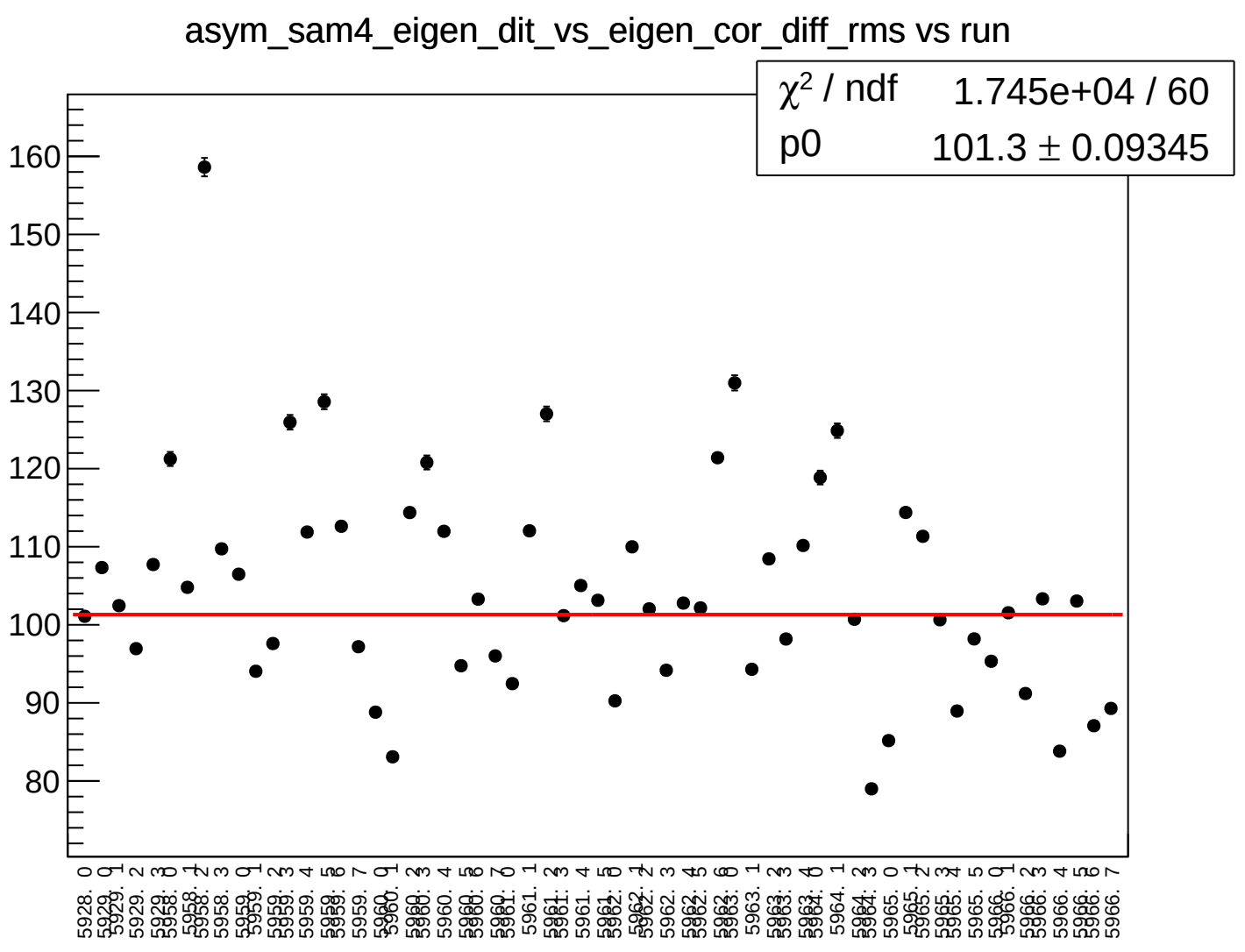


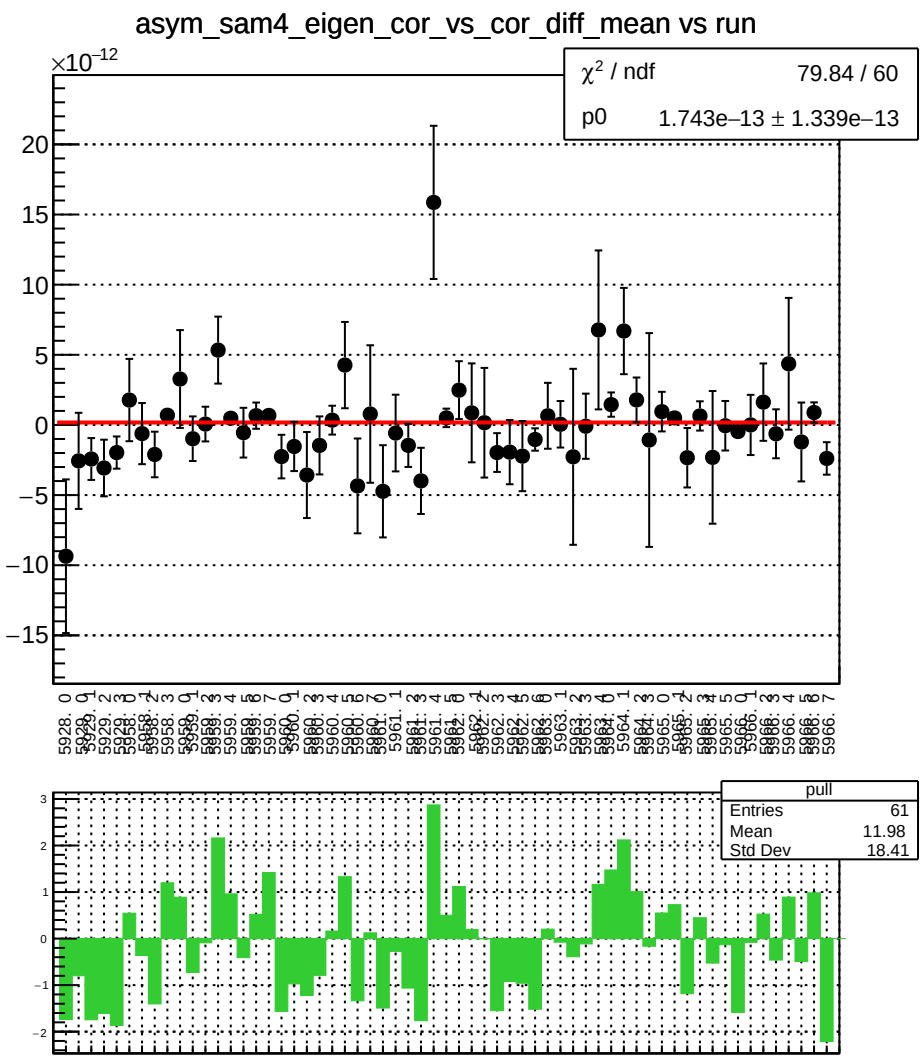


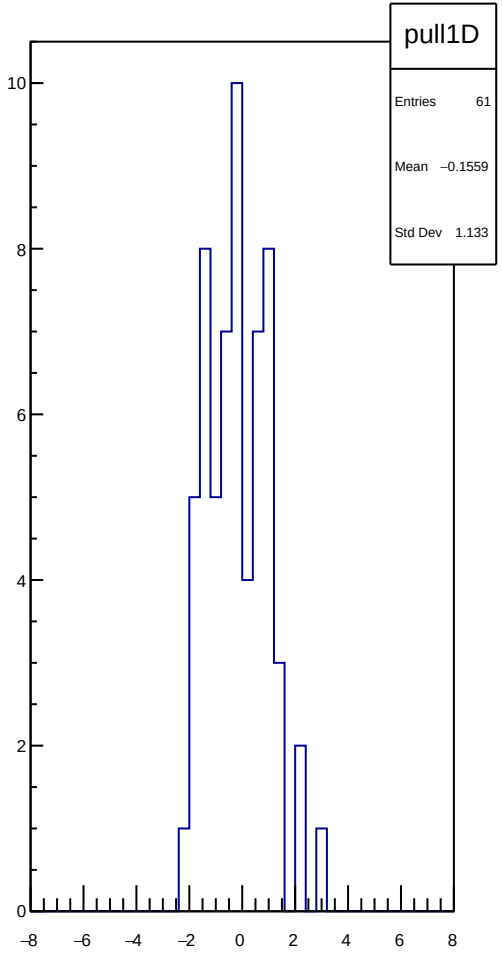


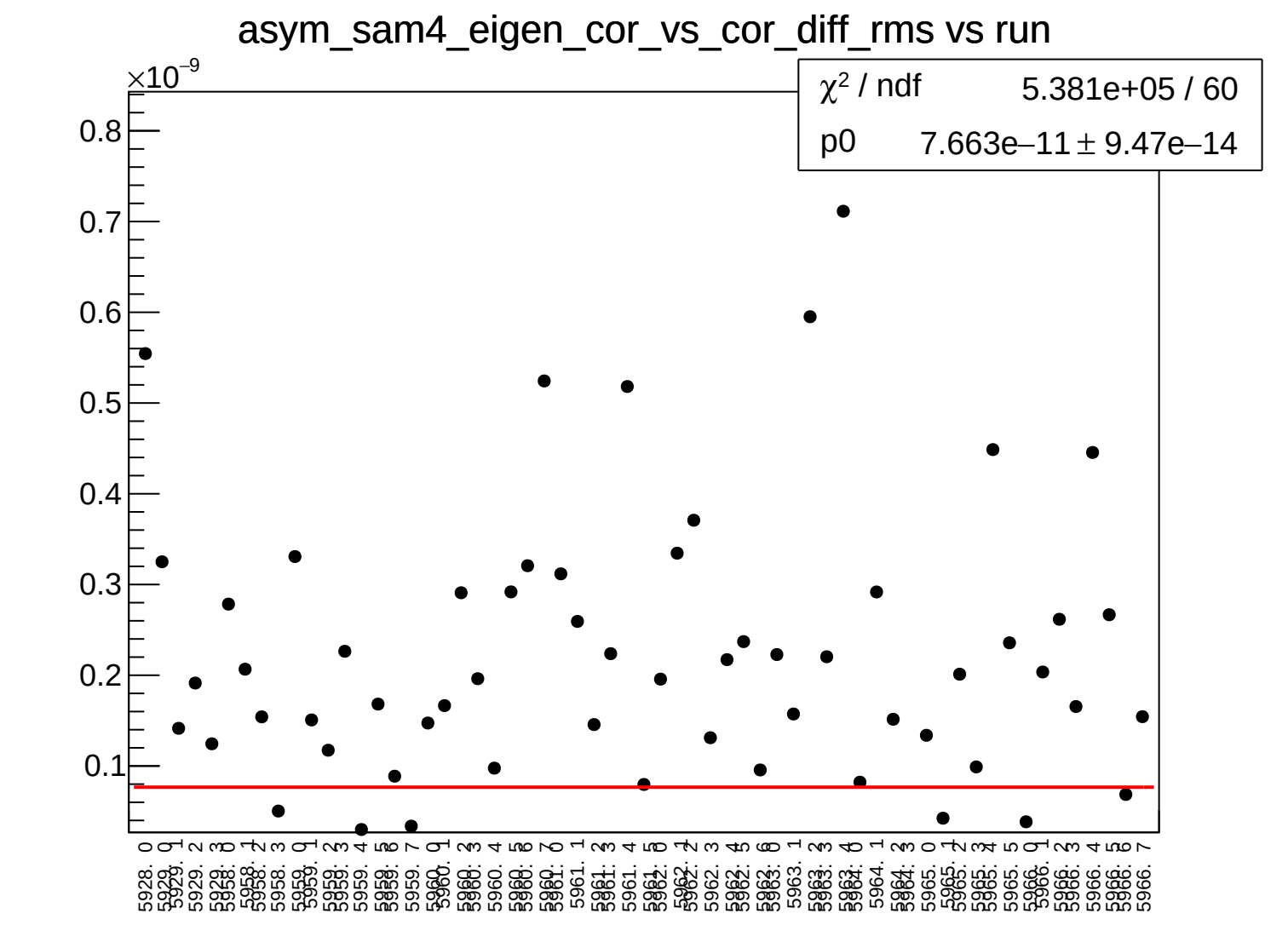

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.745e+04 / 60
p0 101.3 ± 0.09345
160
150
140
130
120
110
100
90
80

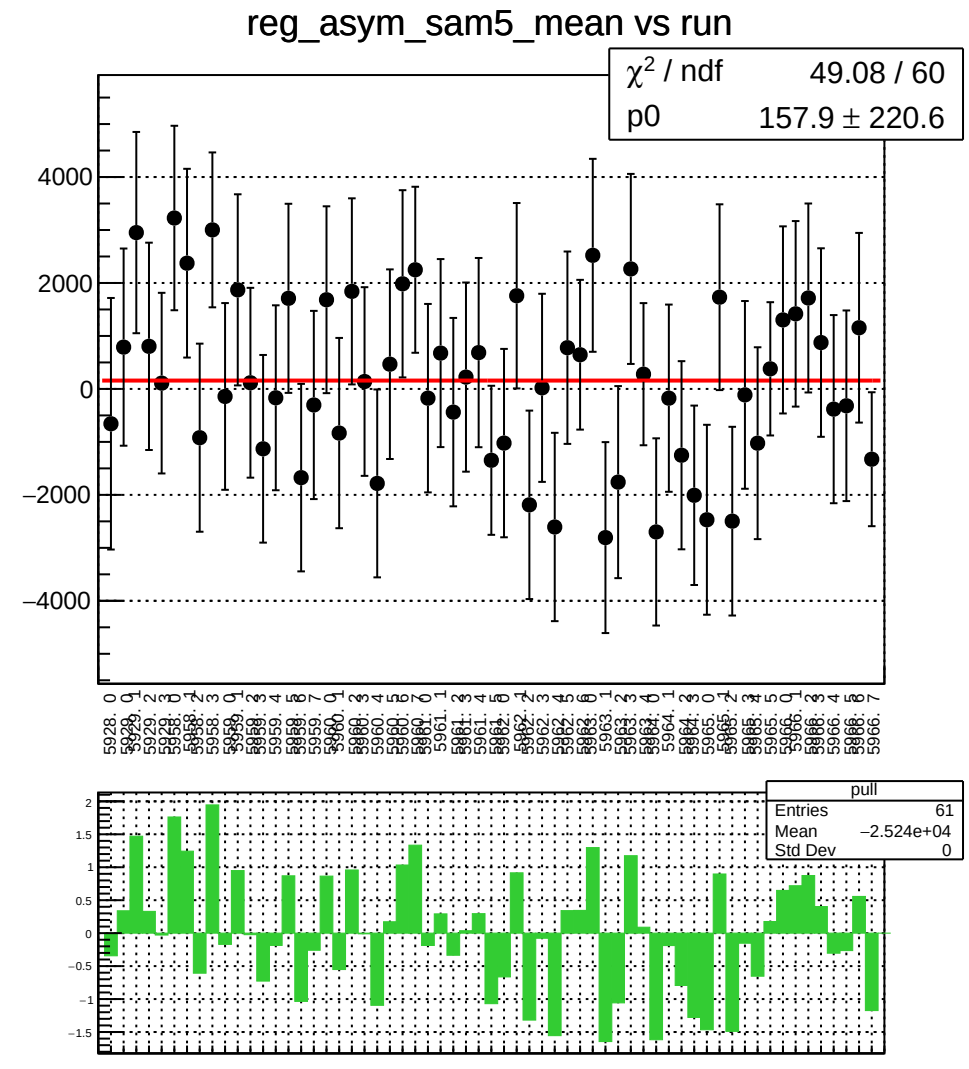

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.88 / 60
p0 −0.0817 ± 0.1322
pull
Entries 61
Mean −69.18
Std Dev 0
pull1D
Entries 61
Mean 0.02122
Std Dev 0.9654

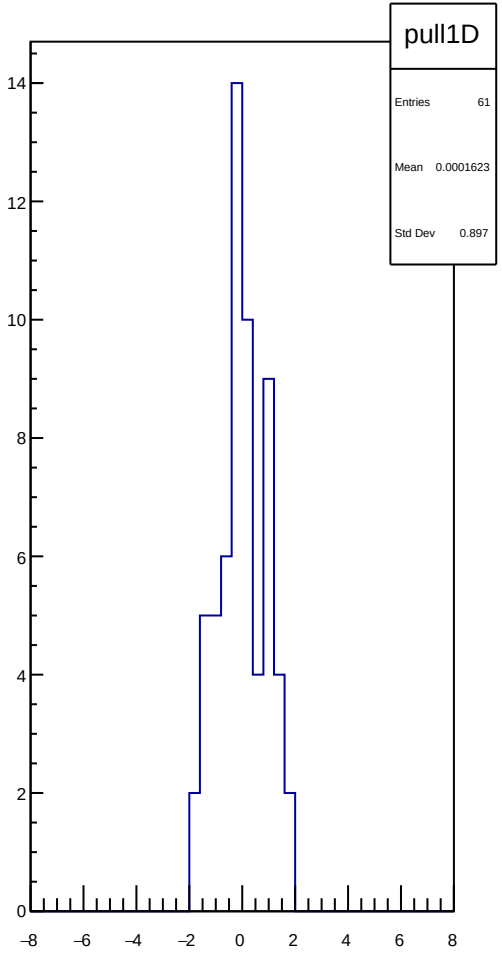

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.745e+04 / 60
p0 101.3 ± 0.09345
160
150
140
130
120
110
100
90
80

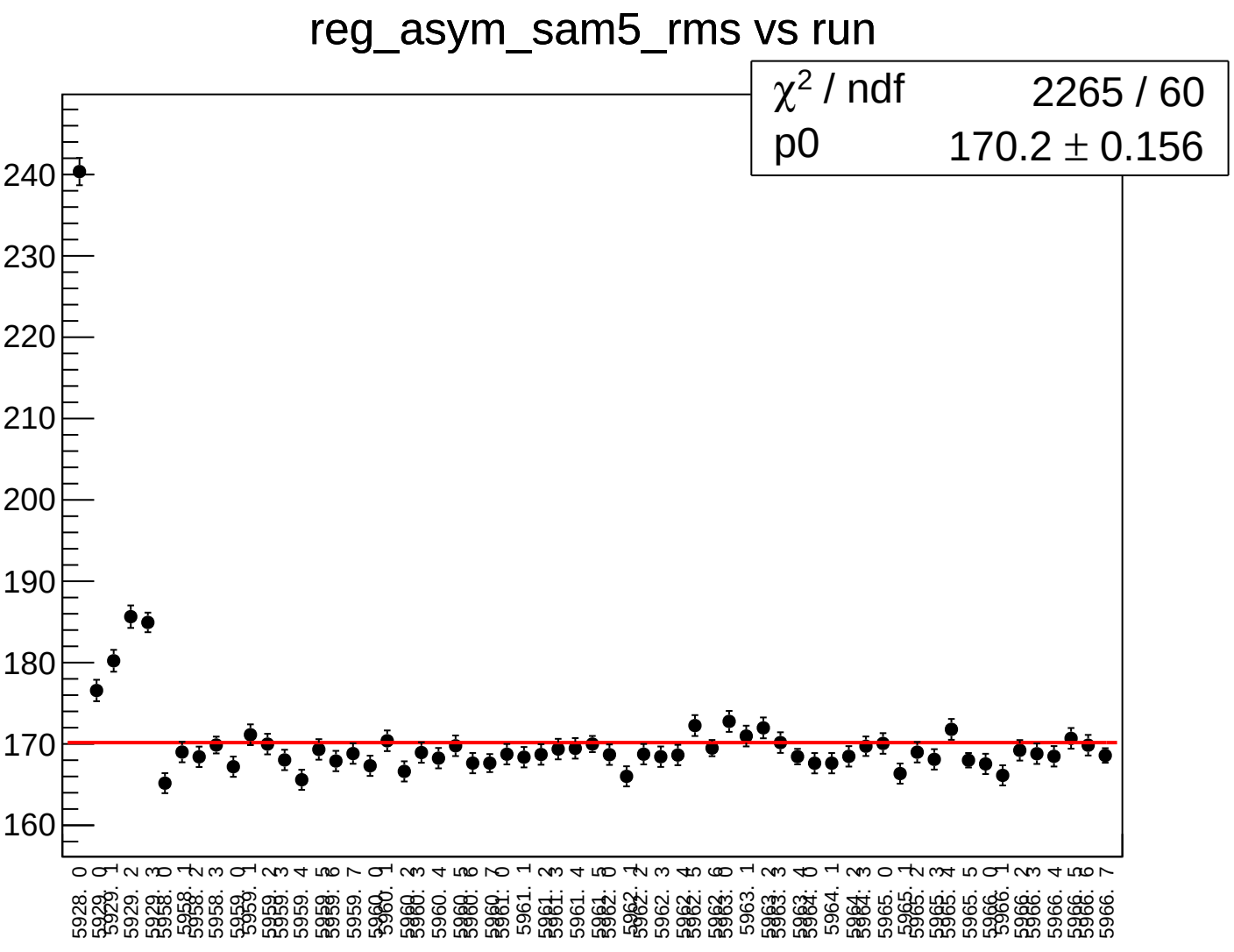

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.84 / 60
p0 1.743e−13 ± 1.339e−13
pull
Entries 61
Mean 11.98
Std Dev 18.41

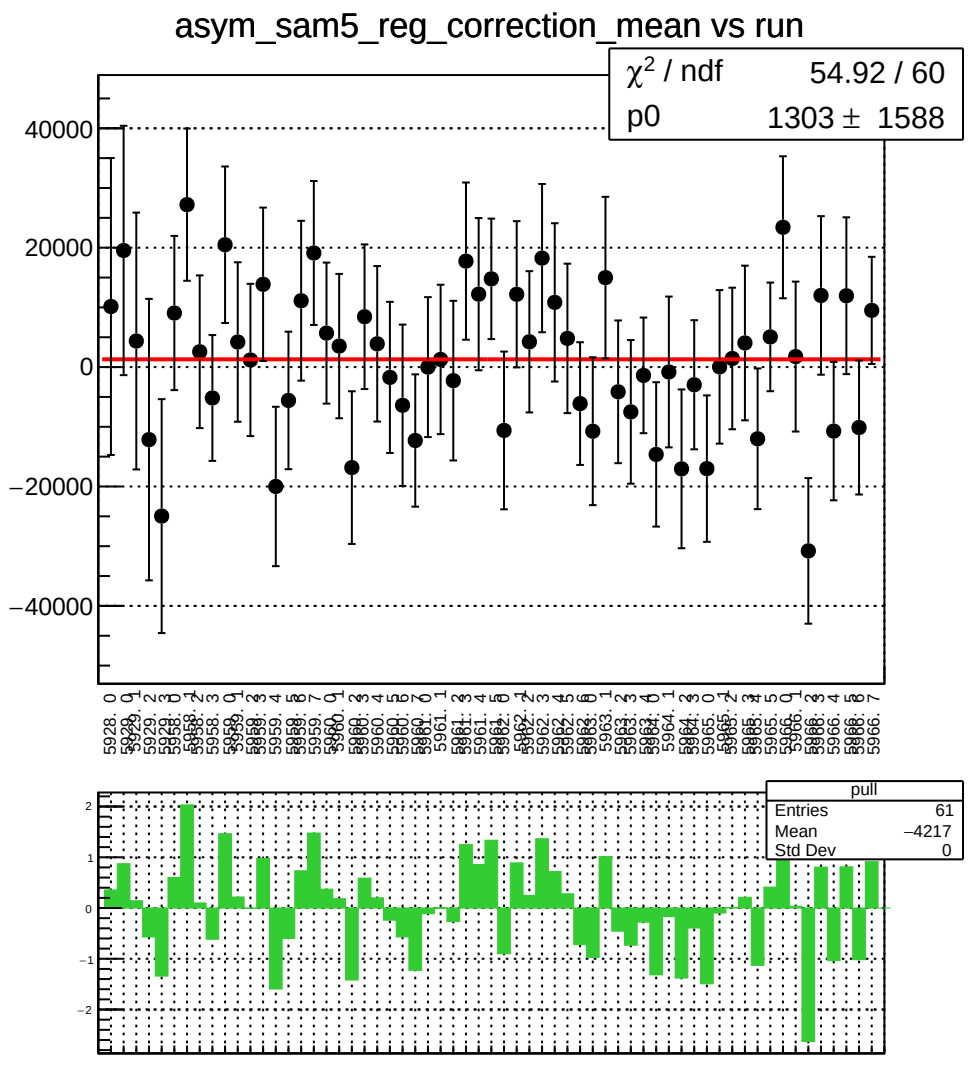

pull1D
Entries 61
Mean −0.1559
Std Dev 1.133

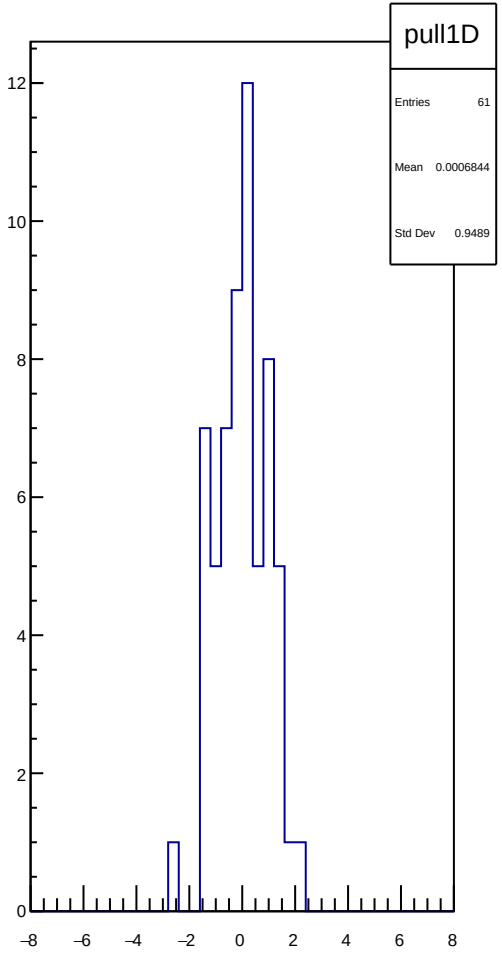

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.381e+05 / 60
p0 7.663e−11 ± 9.47e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

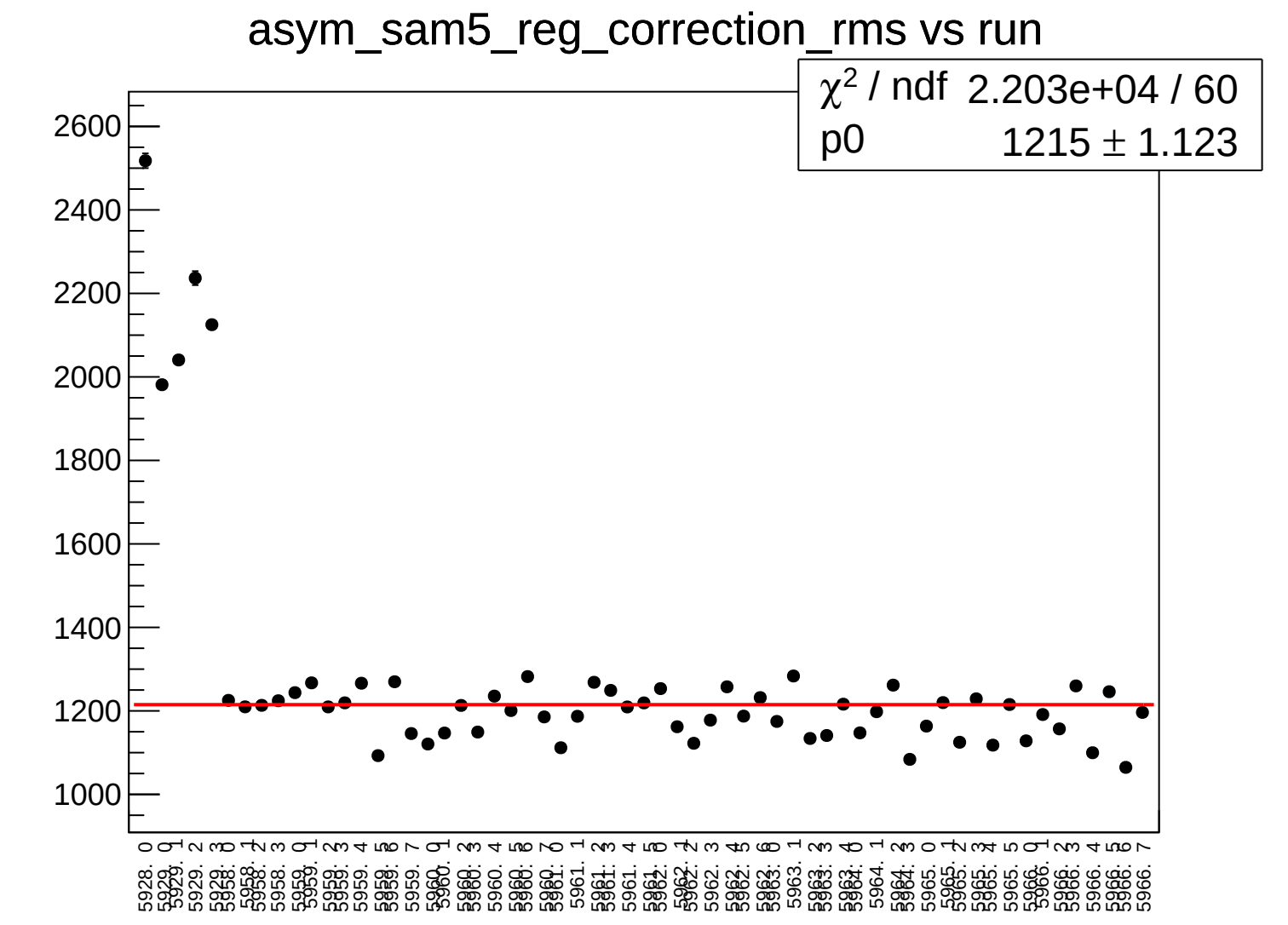

reg_asym_sam5_mean vs run
χ² / ndf 49.08 / 60
p0 157.9 ± 220.6
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −2.524e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

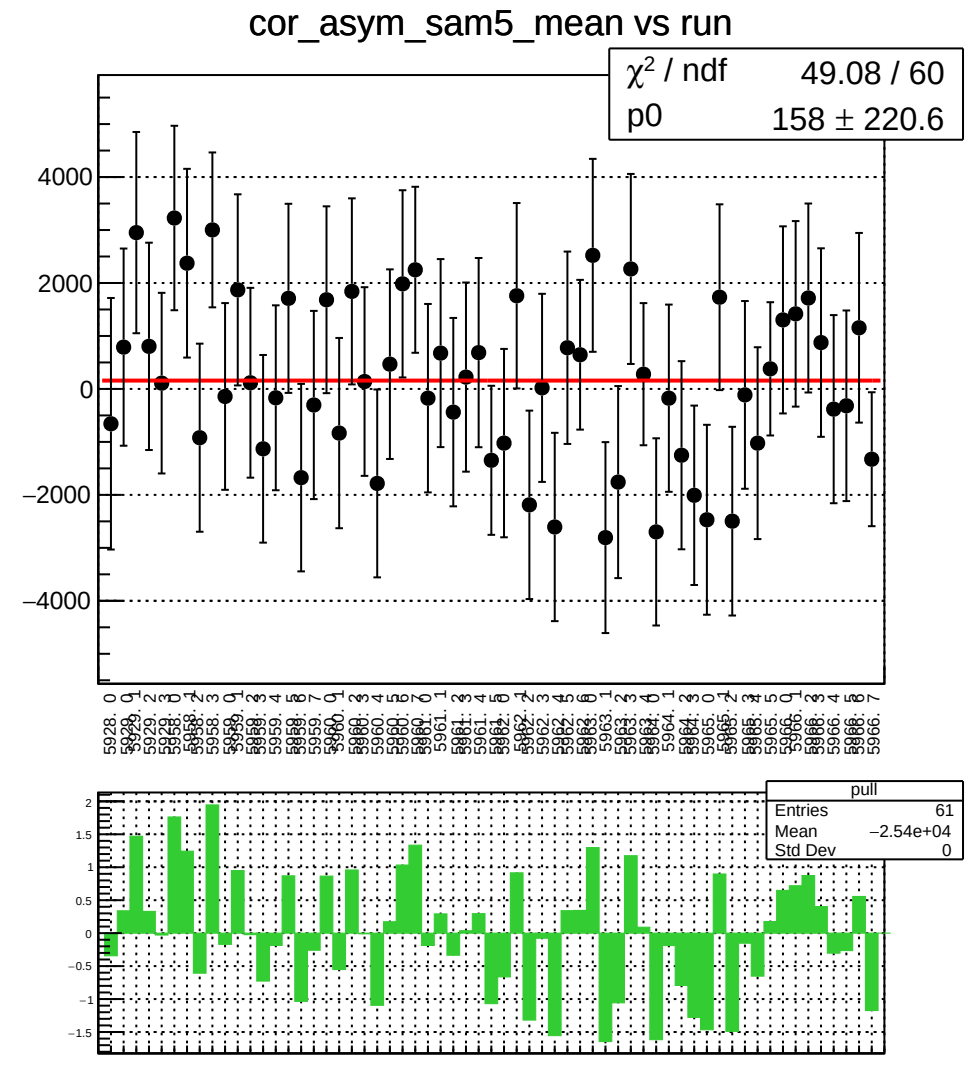

pull1D
Entries 61
Mean 0.0001623
Std Dev 0.897
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

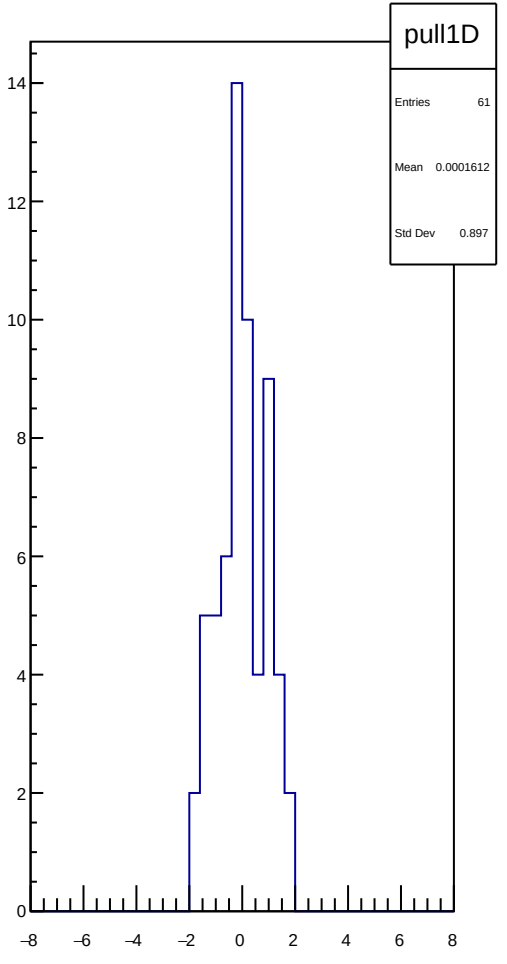

reg_asym_sam5_rms vs run
χ² / ndf 2265 / 60
p0 170.2 ± 0.156
240
230
220
210
200
190
180
170
160

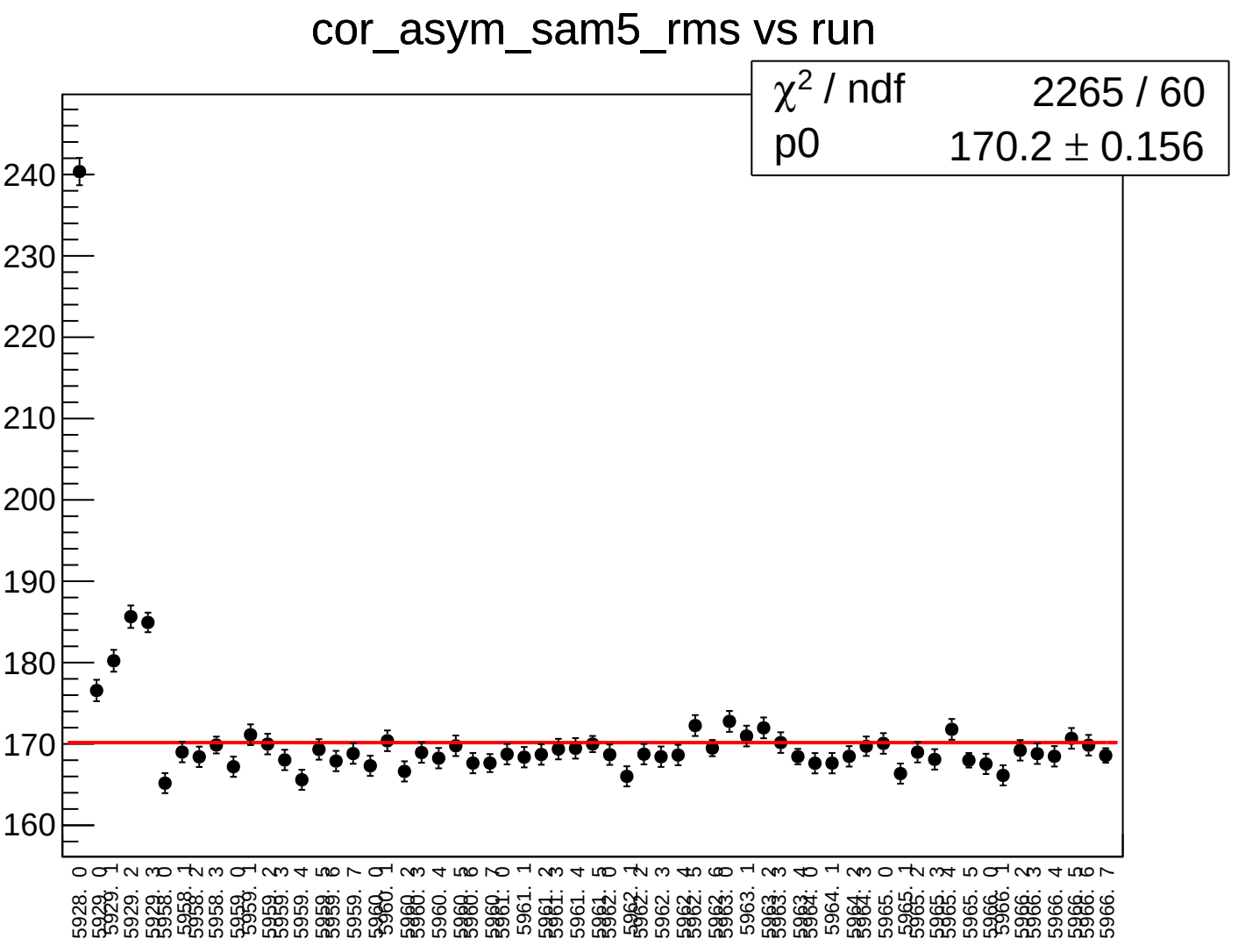

asym_sam5_reg_correction_mean vs run
χ² / ndf 54.92 / 60
p0 1303 ± 1588
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −4217
Std Dev 0
2
1
0
−1
−2

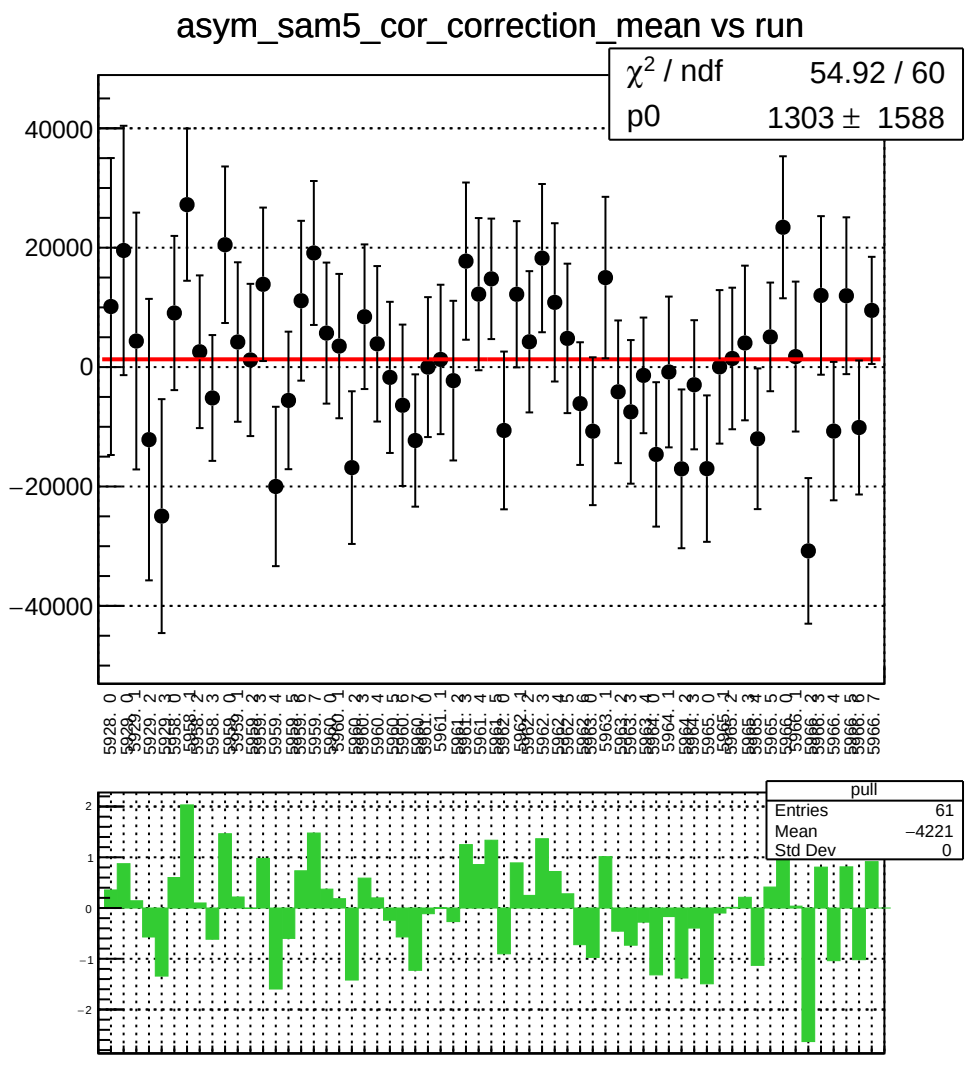

pull1D
Entries 61
Mean 0.0006844
Std Dev 0.9489
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

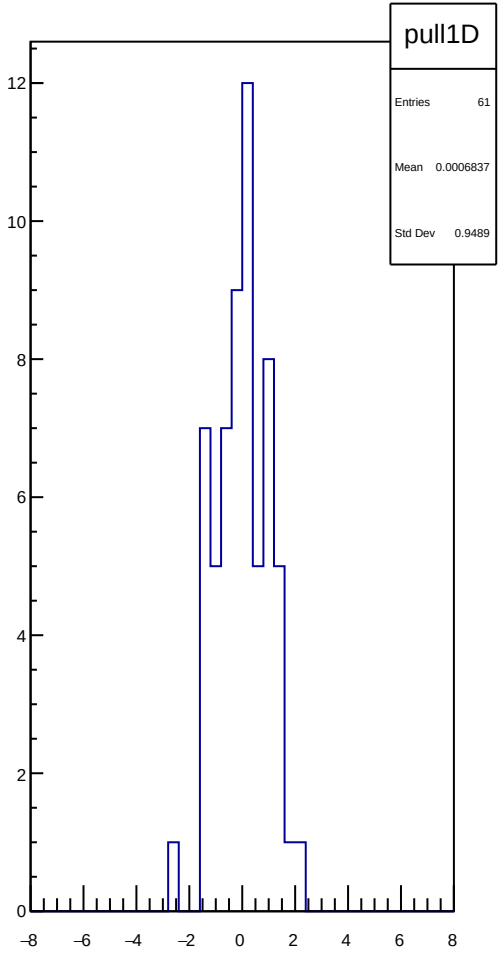

asym_sam5_reg_correction_rms vs run
χ² / ndf 2.203e+04 / 60
p0 1215 ± 1.123
2600
2400
2200
2000
1800
1600
1400
1200
1000

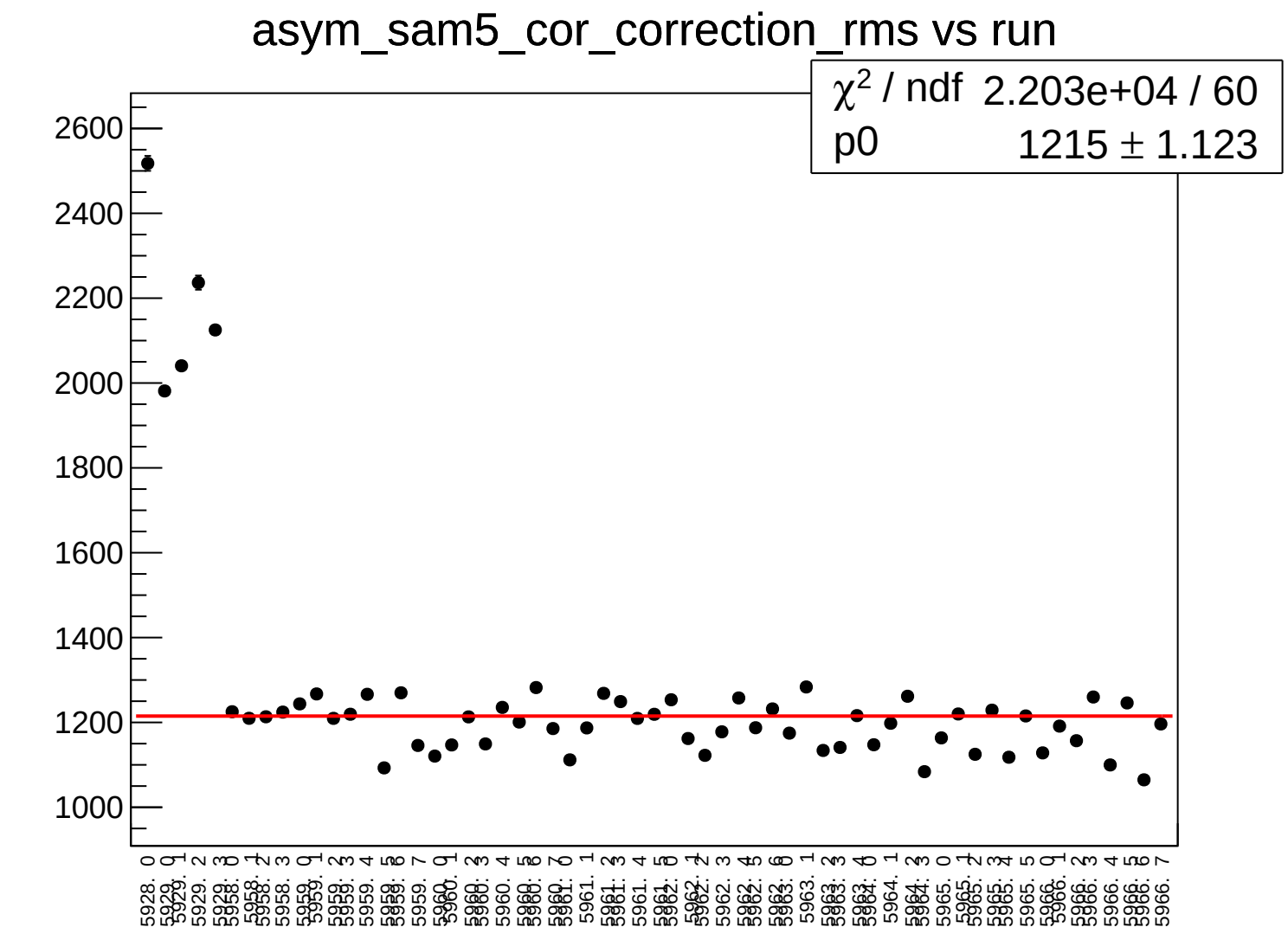

cor_asym_sam5_mean vs run
χ² / ndf 49.08 / 60
p0 158 ± 220.6
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −2.54e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

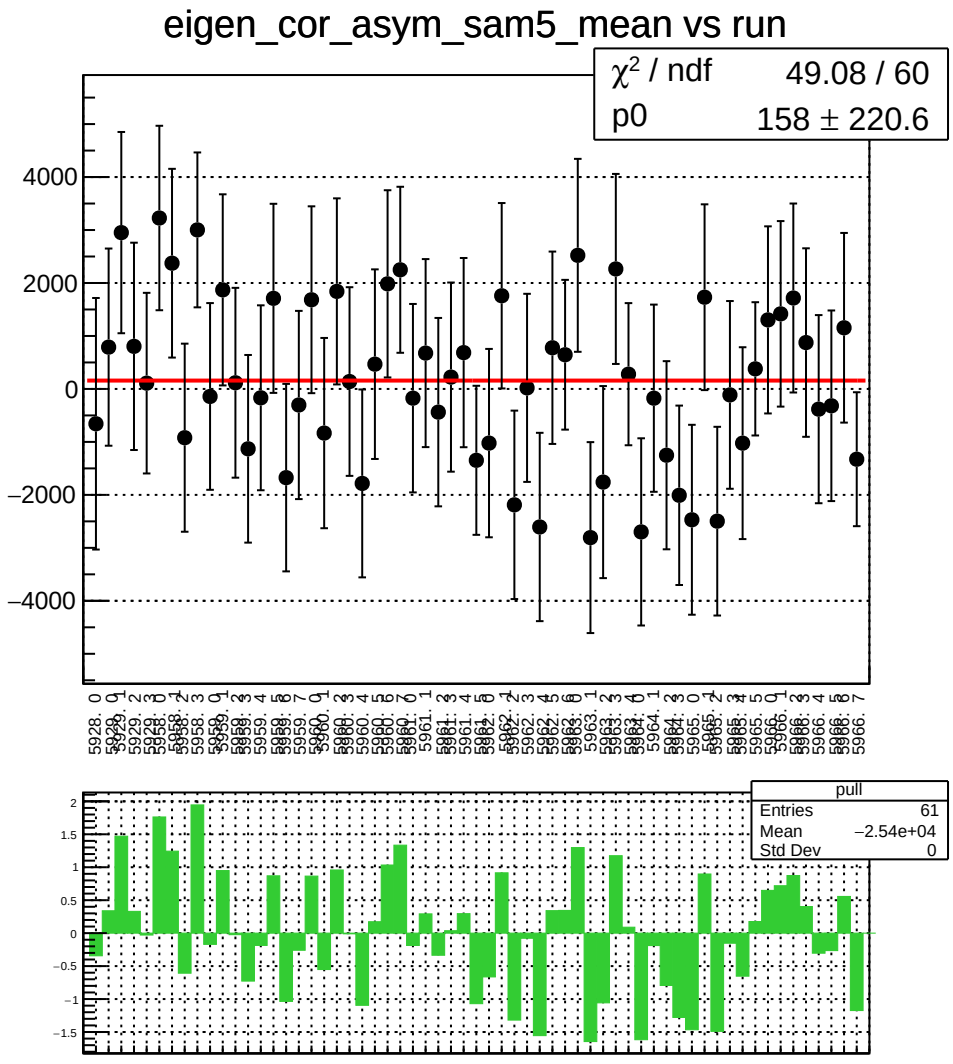

pull1D
Entries 61
Mean 0.0001612
Std Dev 0.897
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

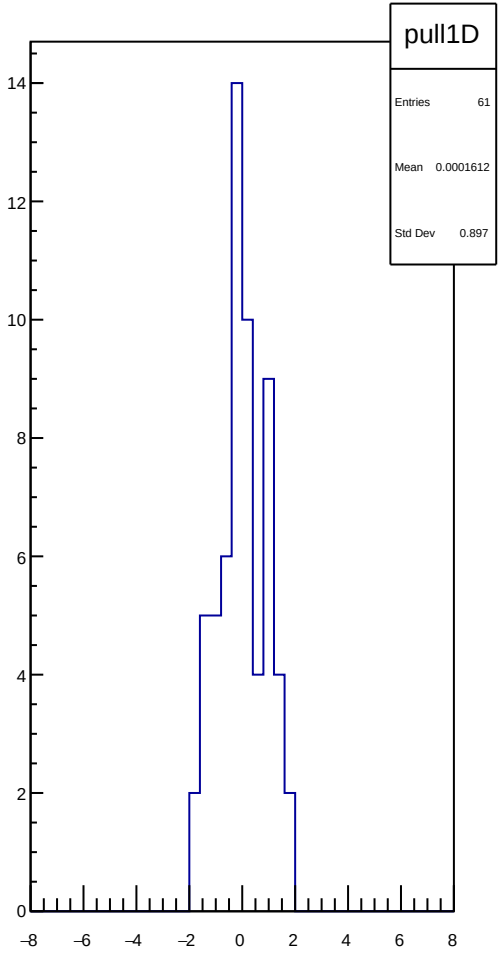

cor_asym_sam5_rms vs run
χ² / ndf 2265 / 60
p0 170.2 ± 0.156
240
230
220
210
200
190
180
170
160

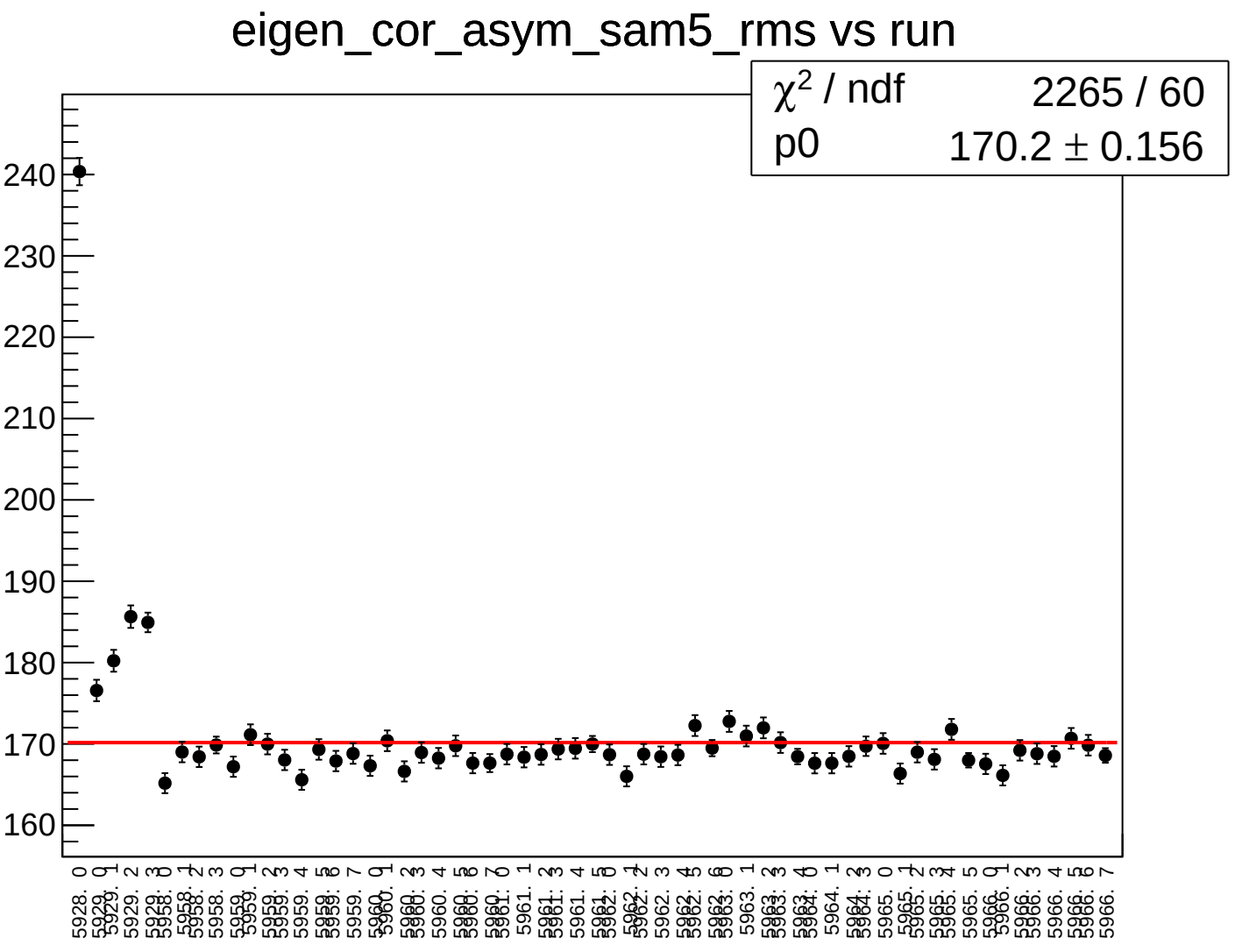

asym_sam5_cor_correction_mean vs run
χ² / ndf 54.92 / 60
p0 1303 ± 1588
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −4221
Std Dev 0
2
1
0
−1
−2

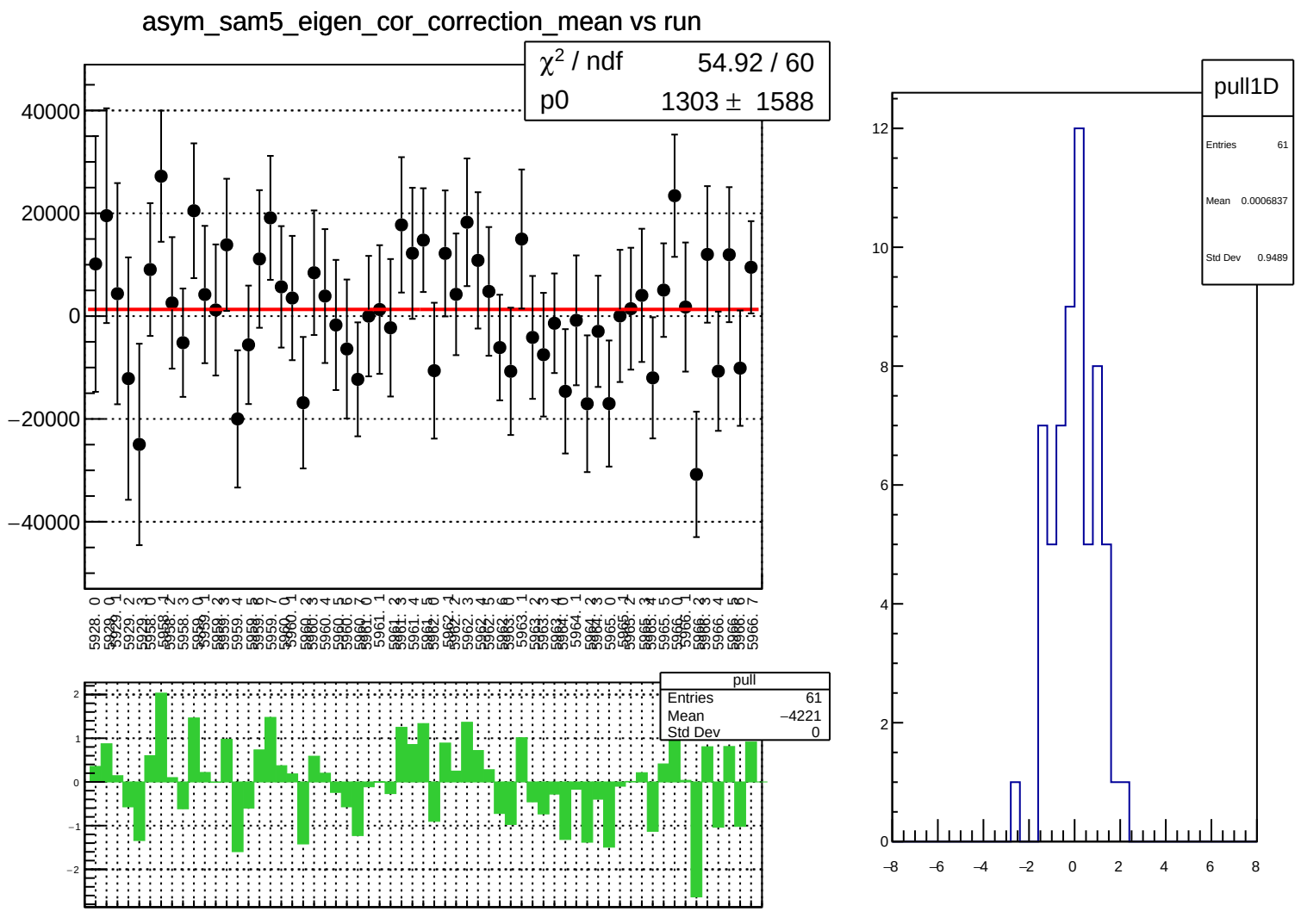

pull1D
Entries 61
Mean 0.0006837
Std Dev 0.9489
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

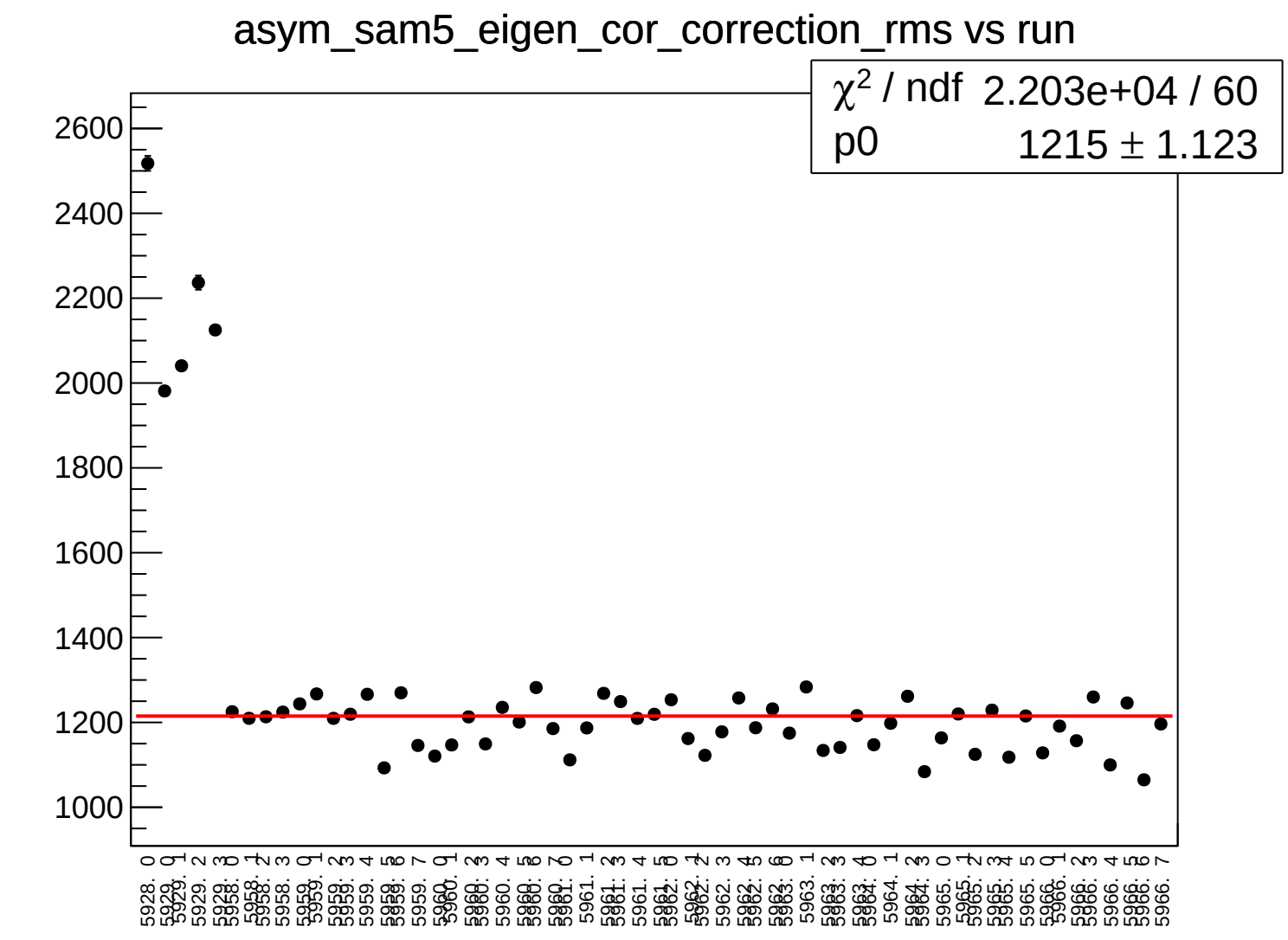

asym_sam5_cor_correction_rms vs run
χ² / ndf 2.203e+04 / 60
p0 1215 ± 1.123
2600
2400
2200
2000
1800
1600
1400
1200
1000

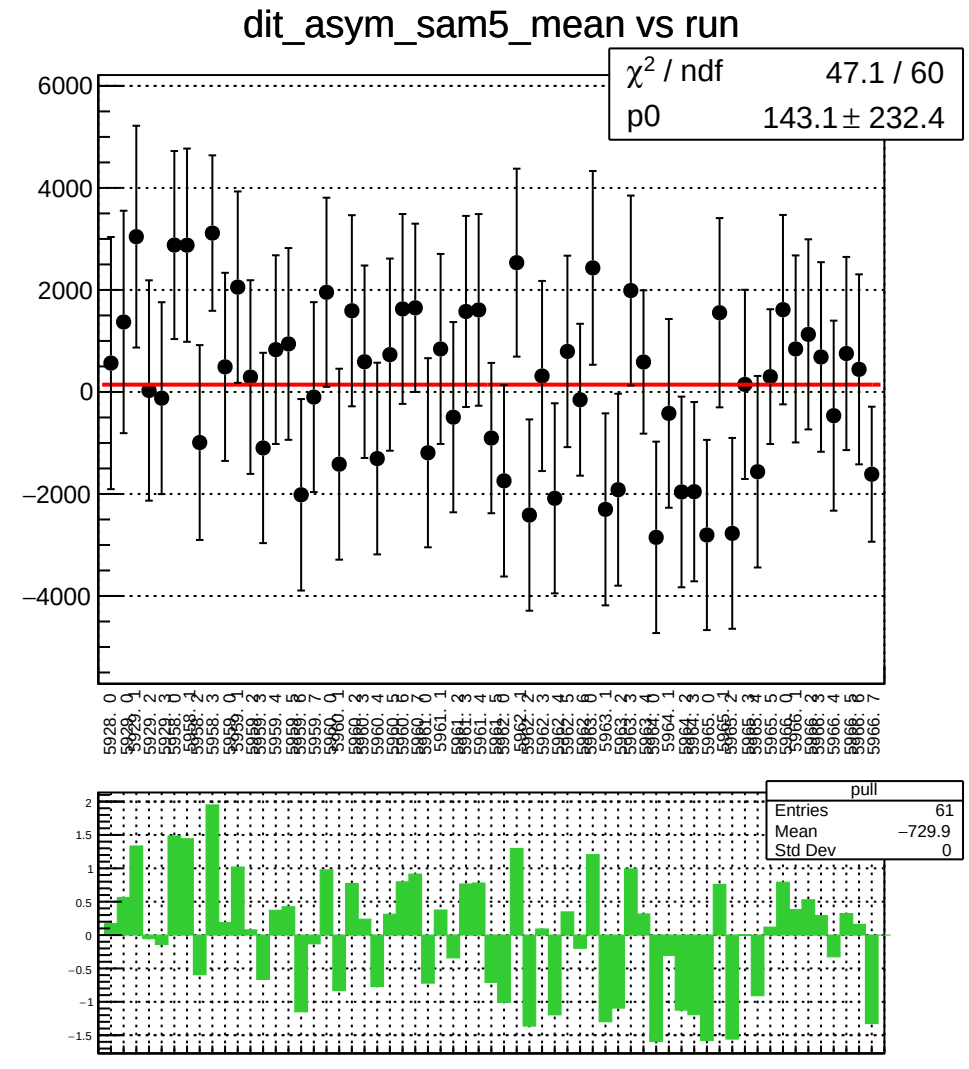

eigen_cor_asym_sam5_mean vs run
χ² / ndf 49.08 / 60
p0 158 ± 220.6
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −2.54e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

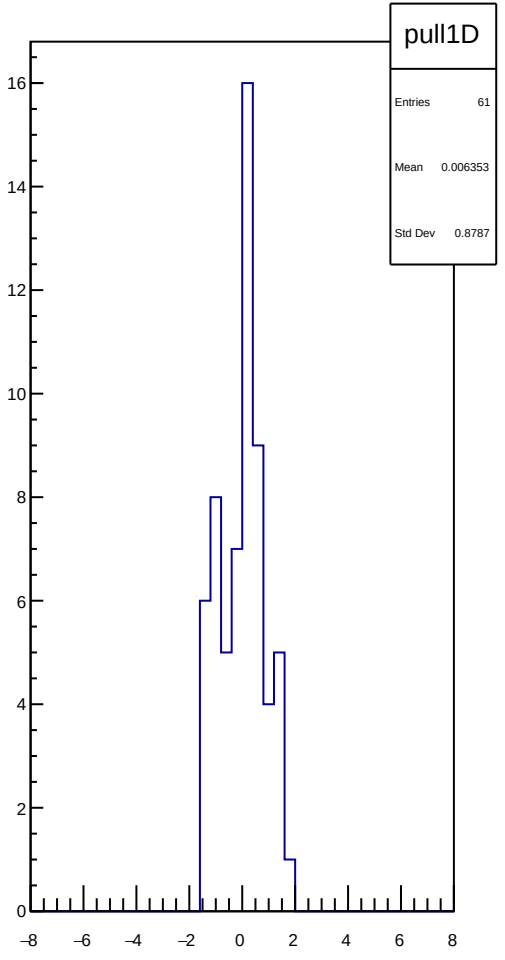

pull1D
Entries 61
Mean 0.0001612
Std Dev 0.897
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

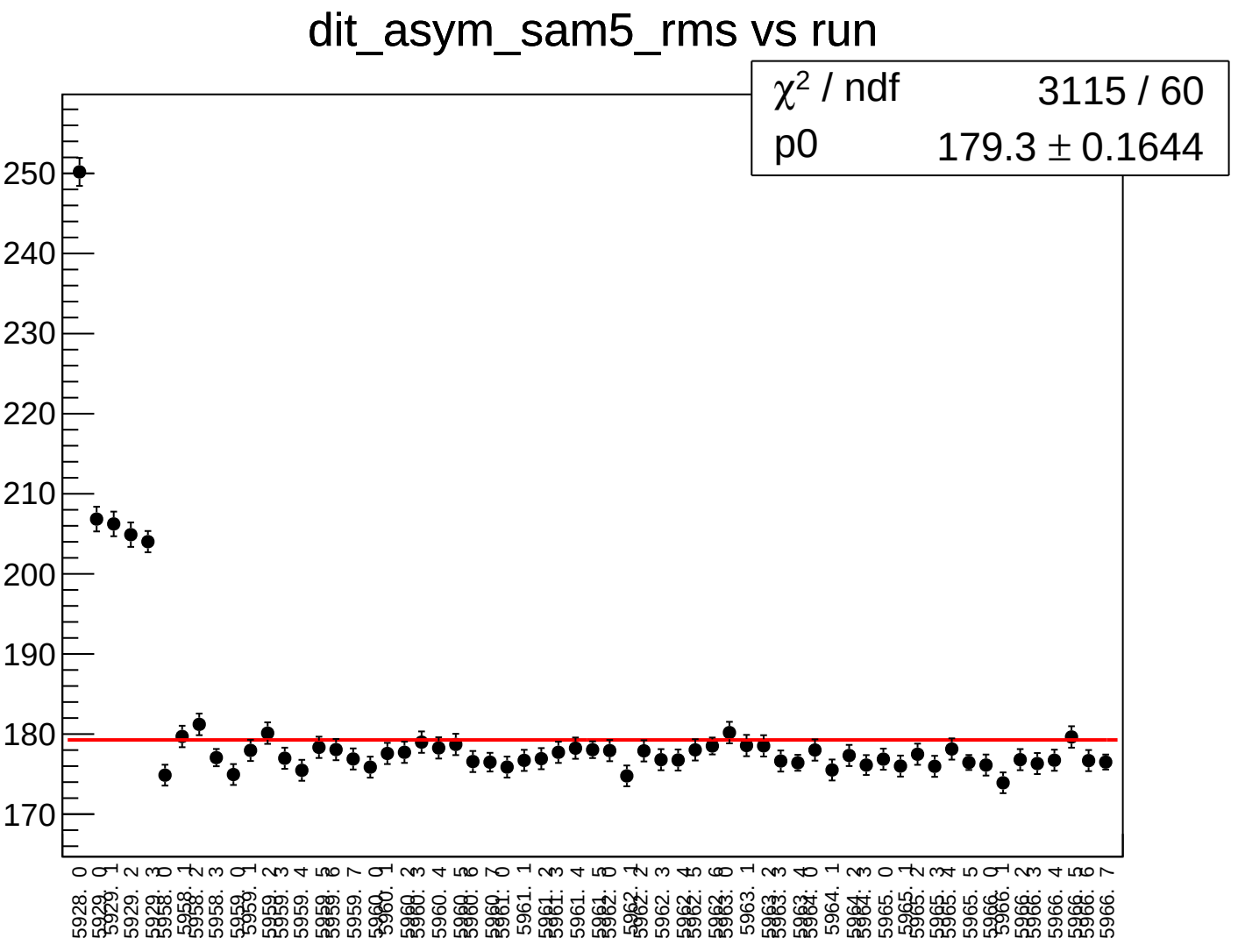

eigen_cor_asym_sam5_rms vs run
χ² / ndf 2265 / 60
p0 170.2 ± 0.156
240
230
220
210
200
190
180
170
160

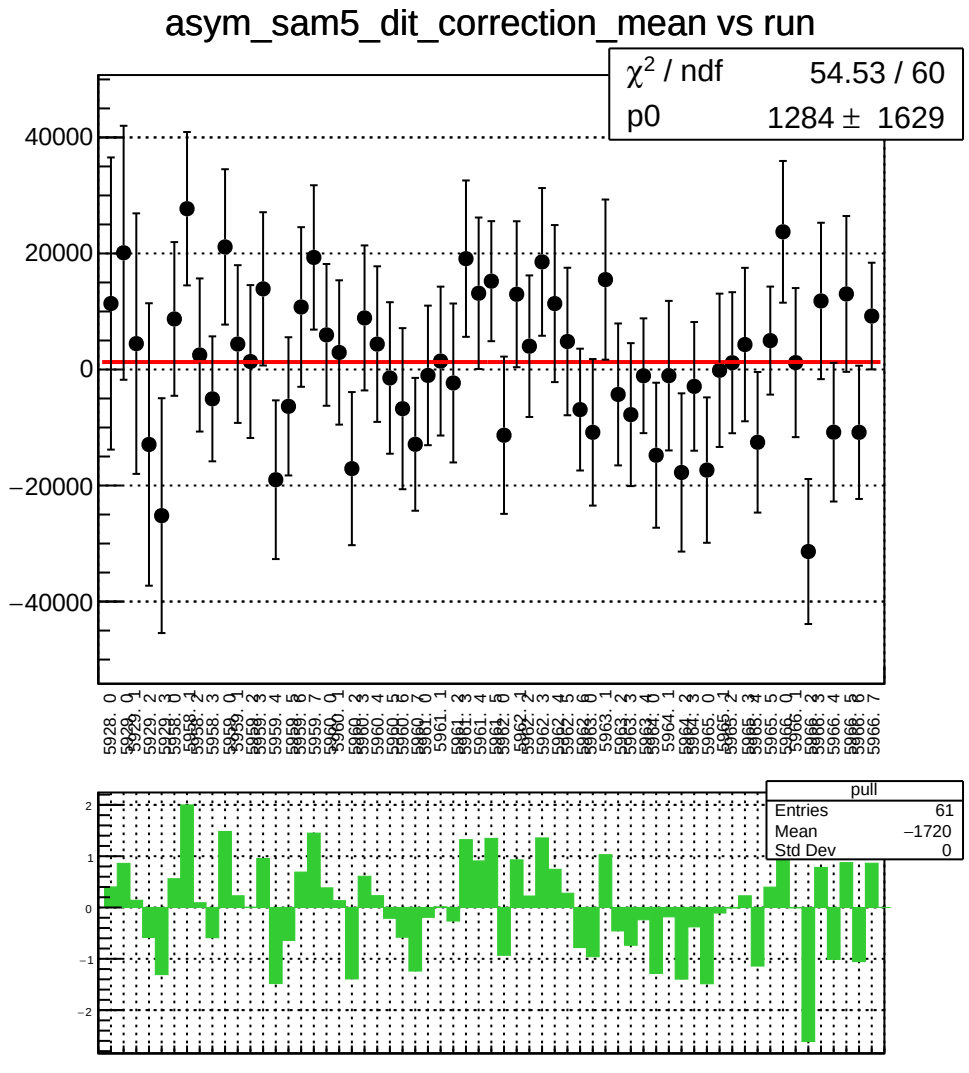

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 54.92 / 60
p0 1303 ± 1588
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −4221
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.0006837
Std Dev 0.9489
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

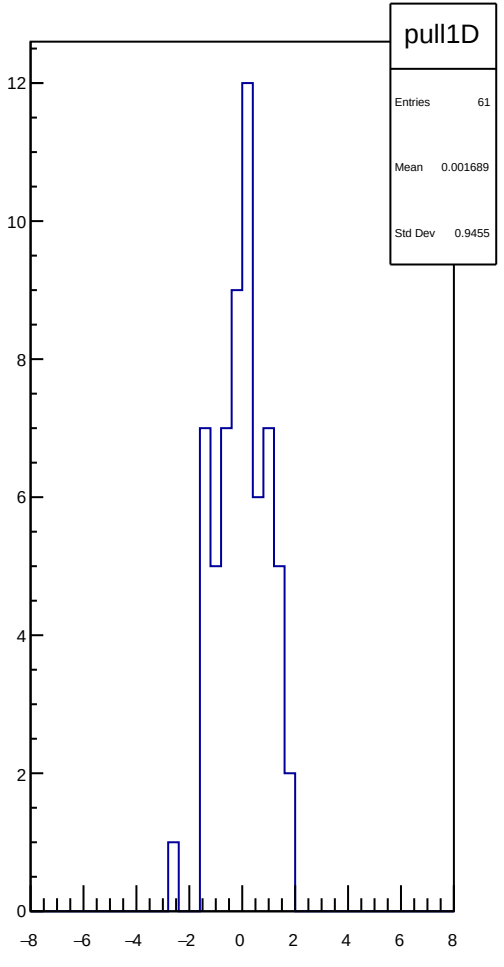

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 2.203e+04 / 60
p0 1215 ± 1.123
2600
2400
2200
2000
1800
1600
1400
1200
1000

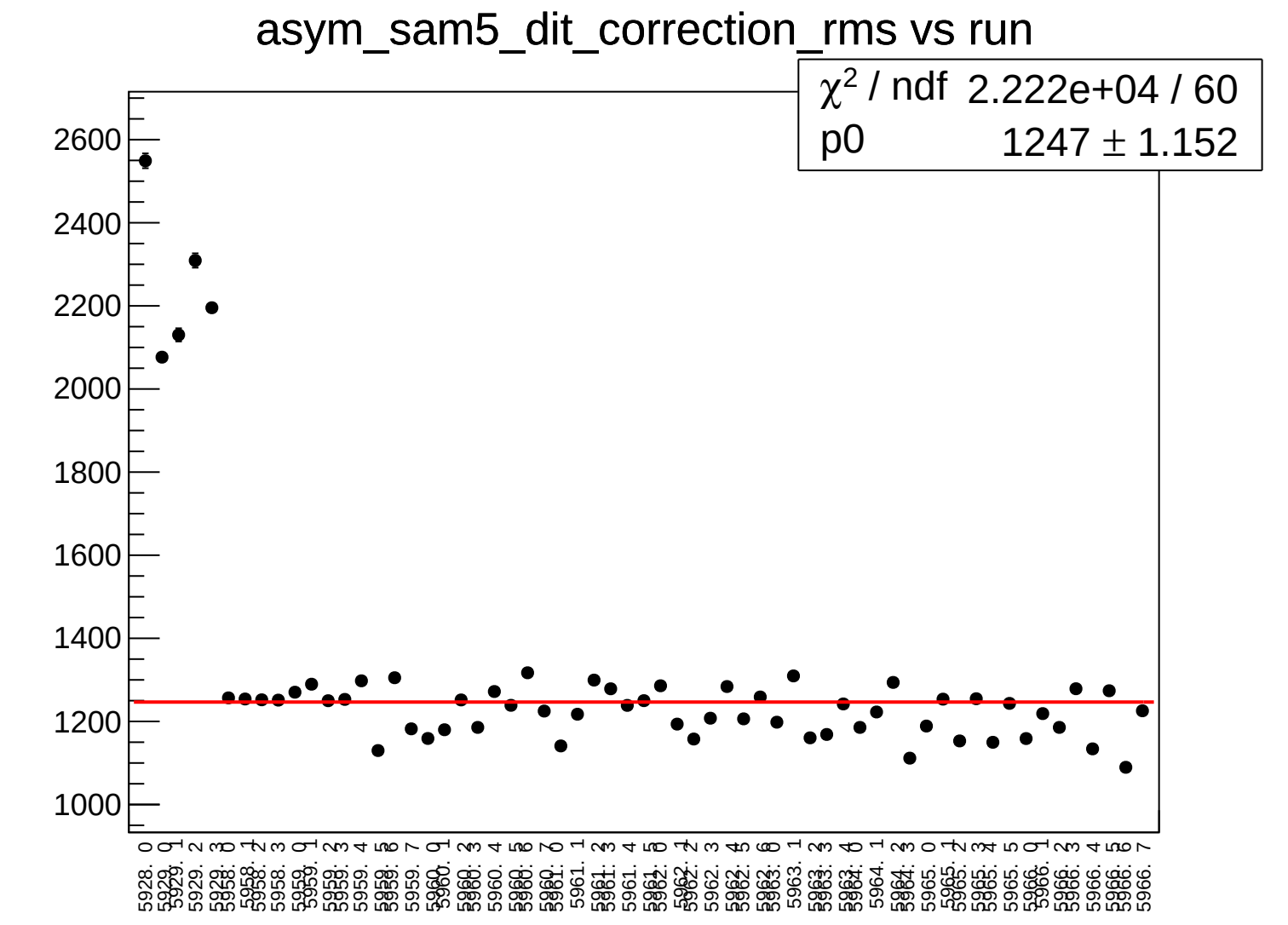

dit_asym_sam5_mean vs run
χ^2 / ndf 47.1 / 60
p0 143.1 ± 232.4
pull
Entries 61
Mean −729.9
Std Dev 0

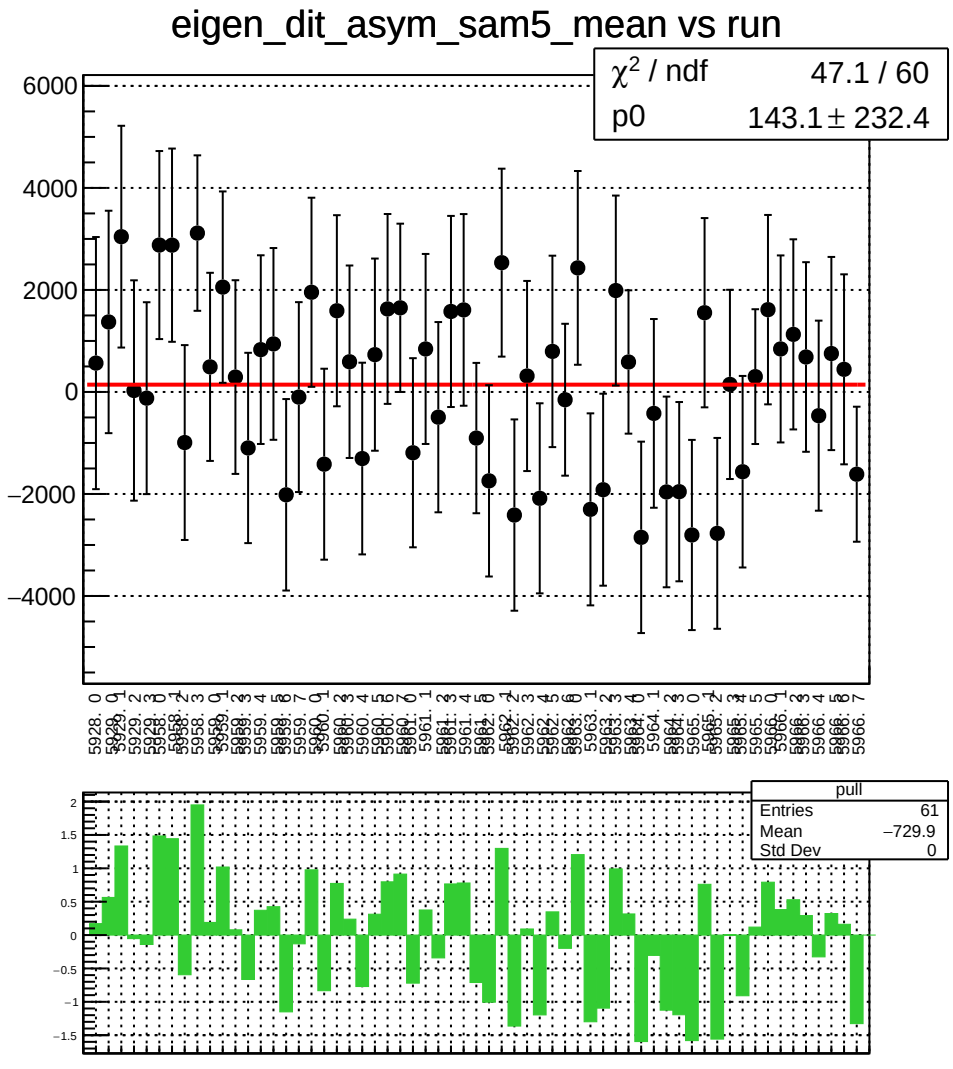

pull1D
Entries 61
Mean 0.006353
Std Dev 0.8787

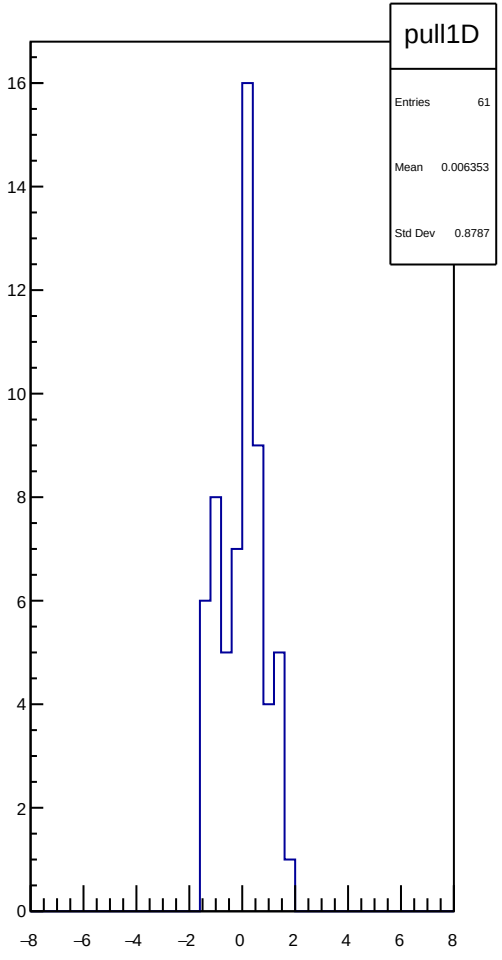

dit_asym_sam5_rms vs run
χ² / ndf 3115 / 60
p0 179.3 ± 0.1644
250
240
230
220
210
200
190
180
170

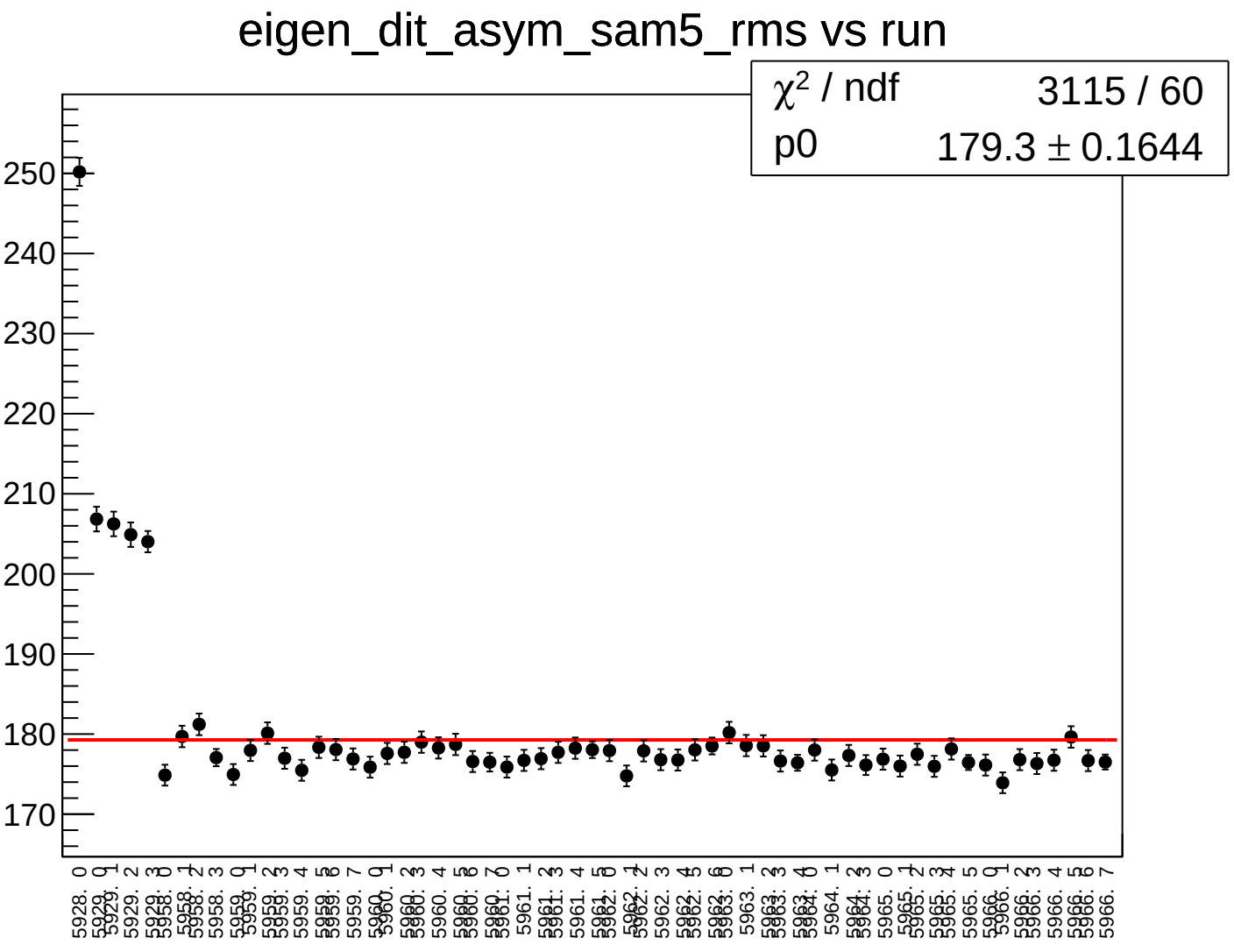

asym_sam5_dit_correction_mean vs run
χ² / ndf 54.53 / 60
p0 1284 ± 1629
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1720
Std Dev 0
2
1
0
−1
−2

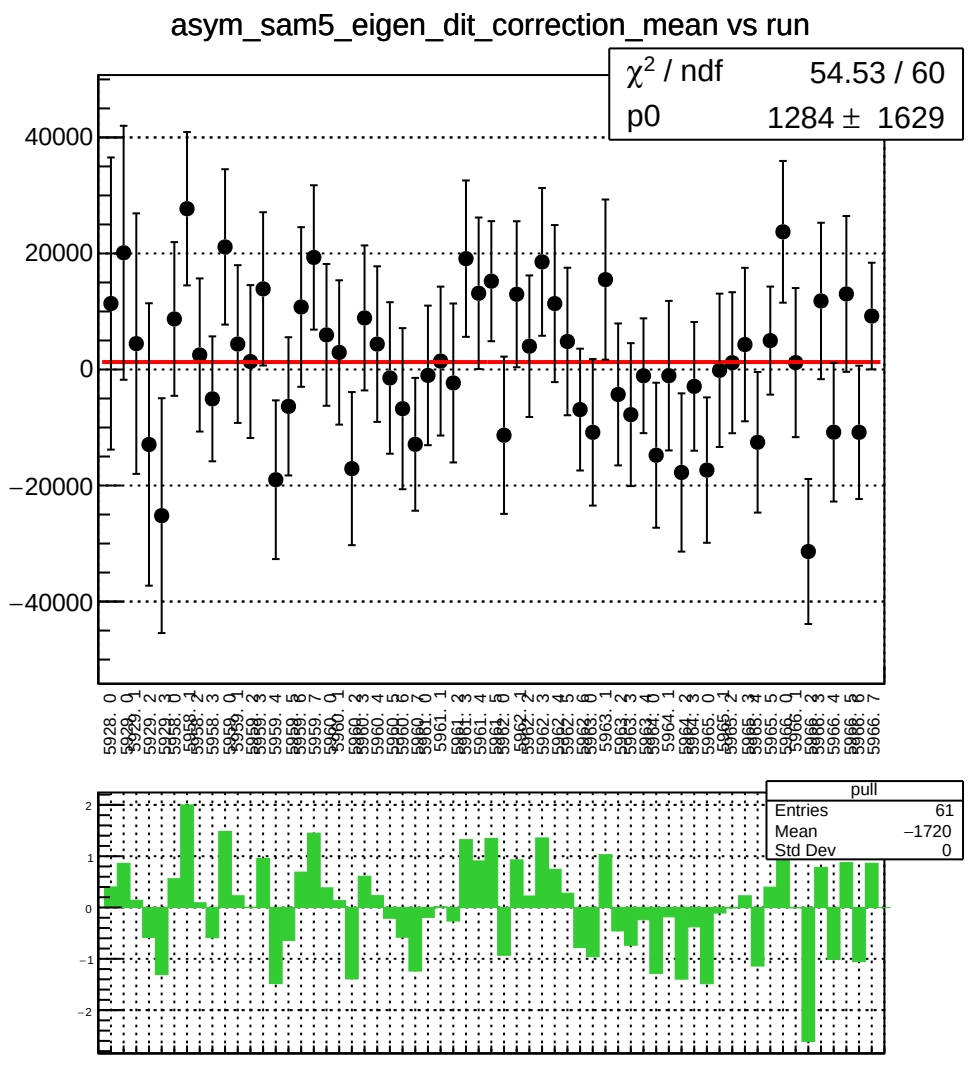

pull1D
Entries 61
Mean 0.001689
Std Dev 0.9455
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

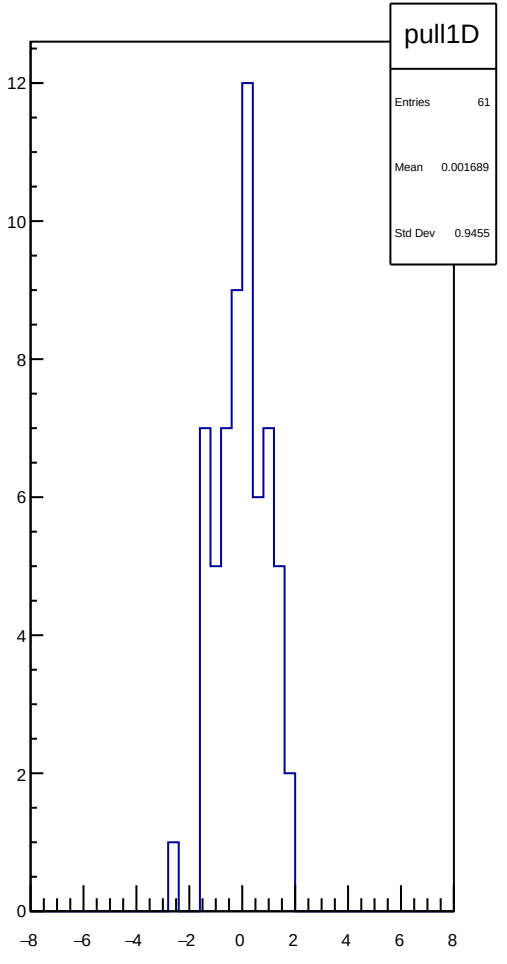

asym_sam5_dit_correction_rms vs run
χ² / ndf 2.222e+04 / 60
p0 1247 ± 1.152
2600
2400
2200
2000
1800
1600
1400
1200
1000

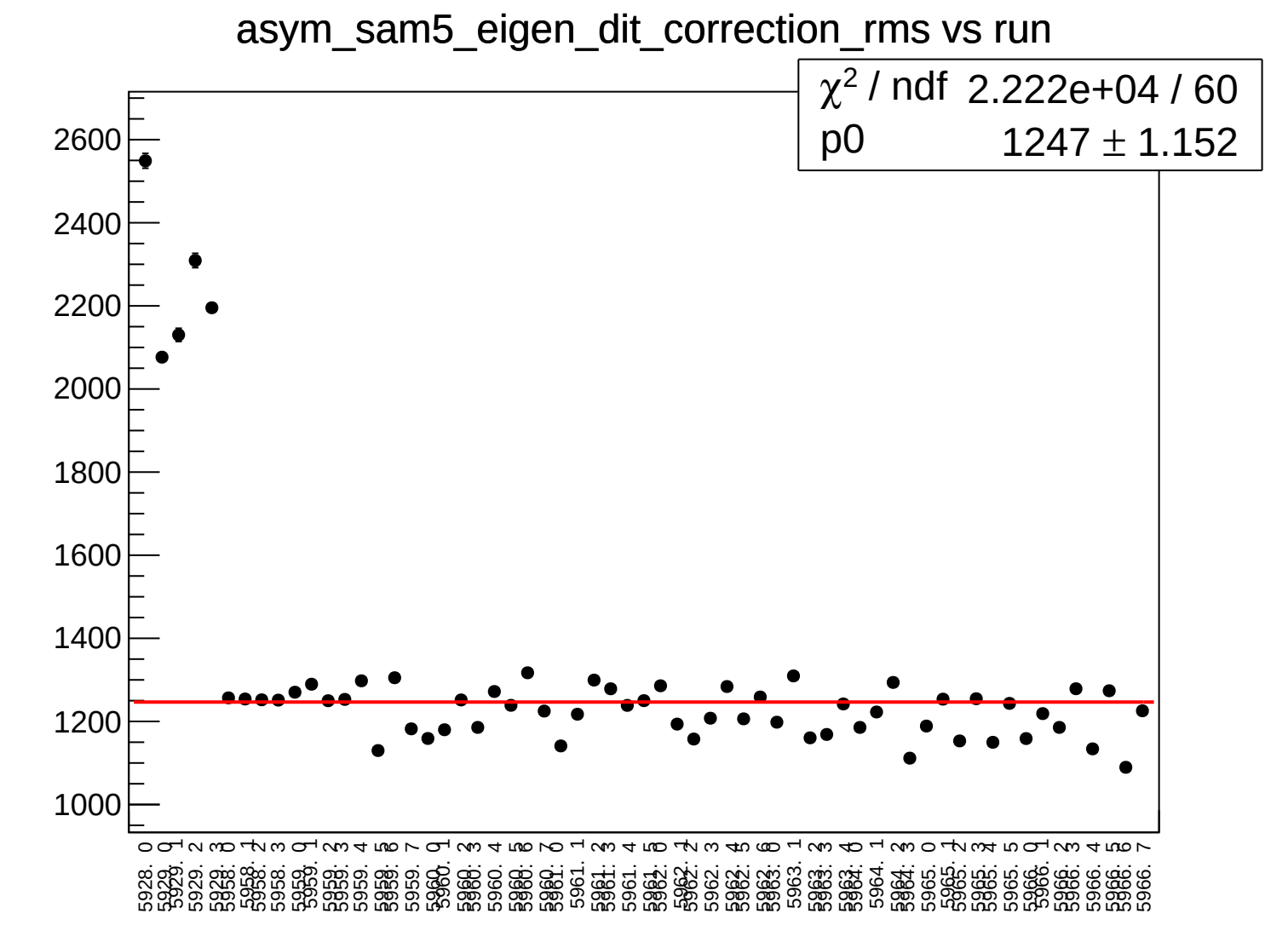

eigen_dit_asym_sam5_mean vs run
χ² / ndf 47.1 / 60
p0 143.1 ± 232.4
pull
Entries 61
Mean −729.9
Std Dev 0

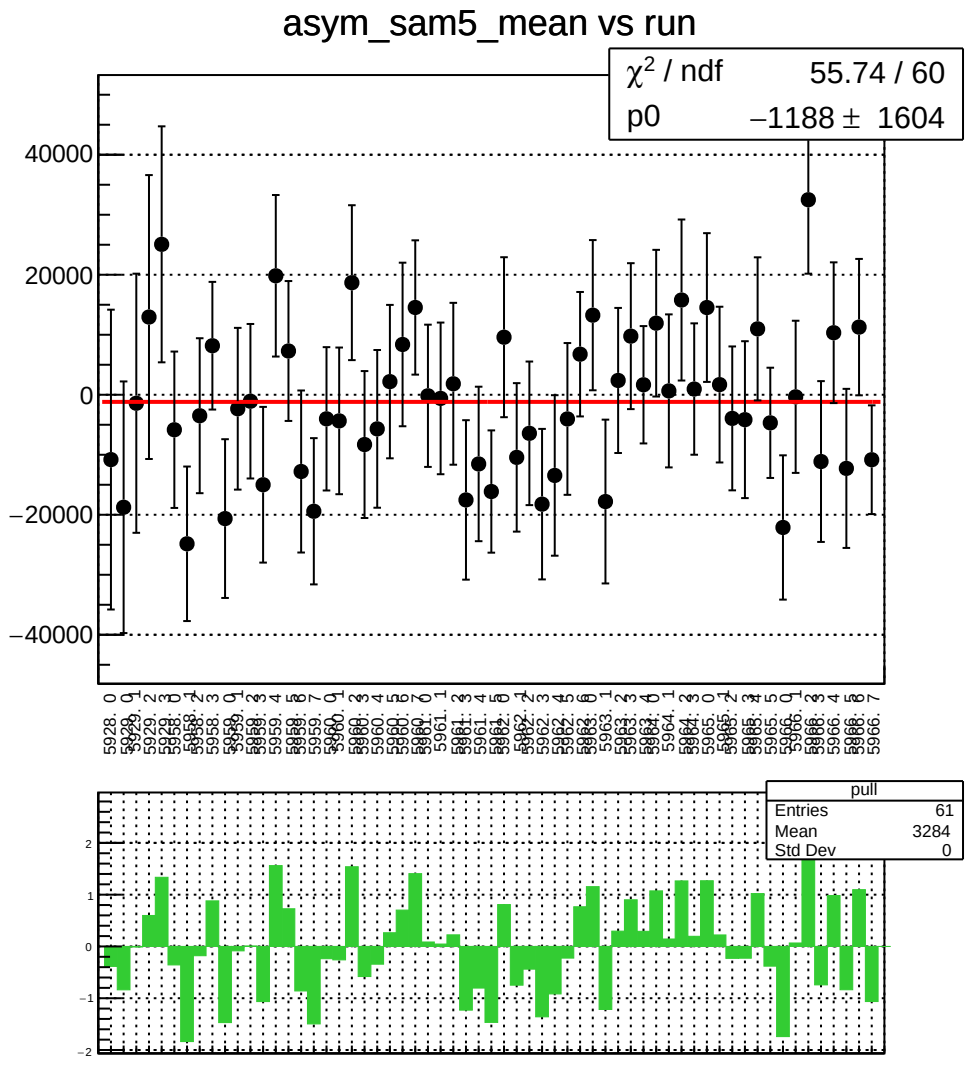

pull1D
Entries 61
Mean 0.006353
Std Dev 0.8787

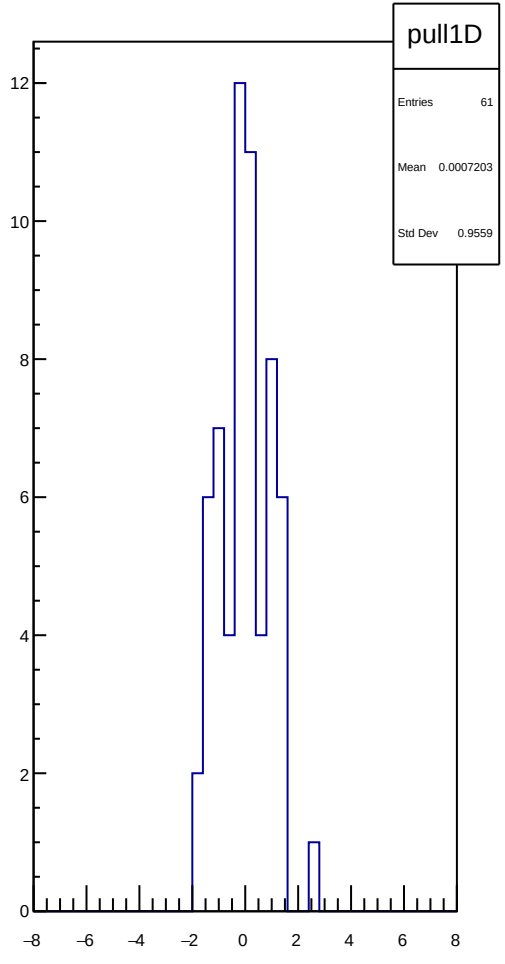

eigen_dit_asym_sam5_rms vs run
χ² / ndf 3115 / 60
p0 179.3 ± 0.1644
250
240
230
220
210
200
190
180
170

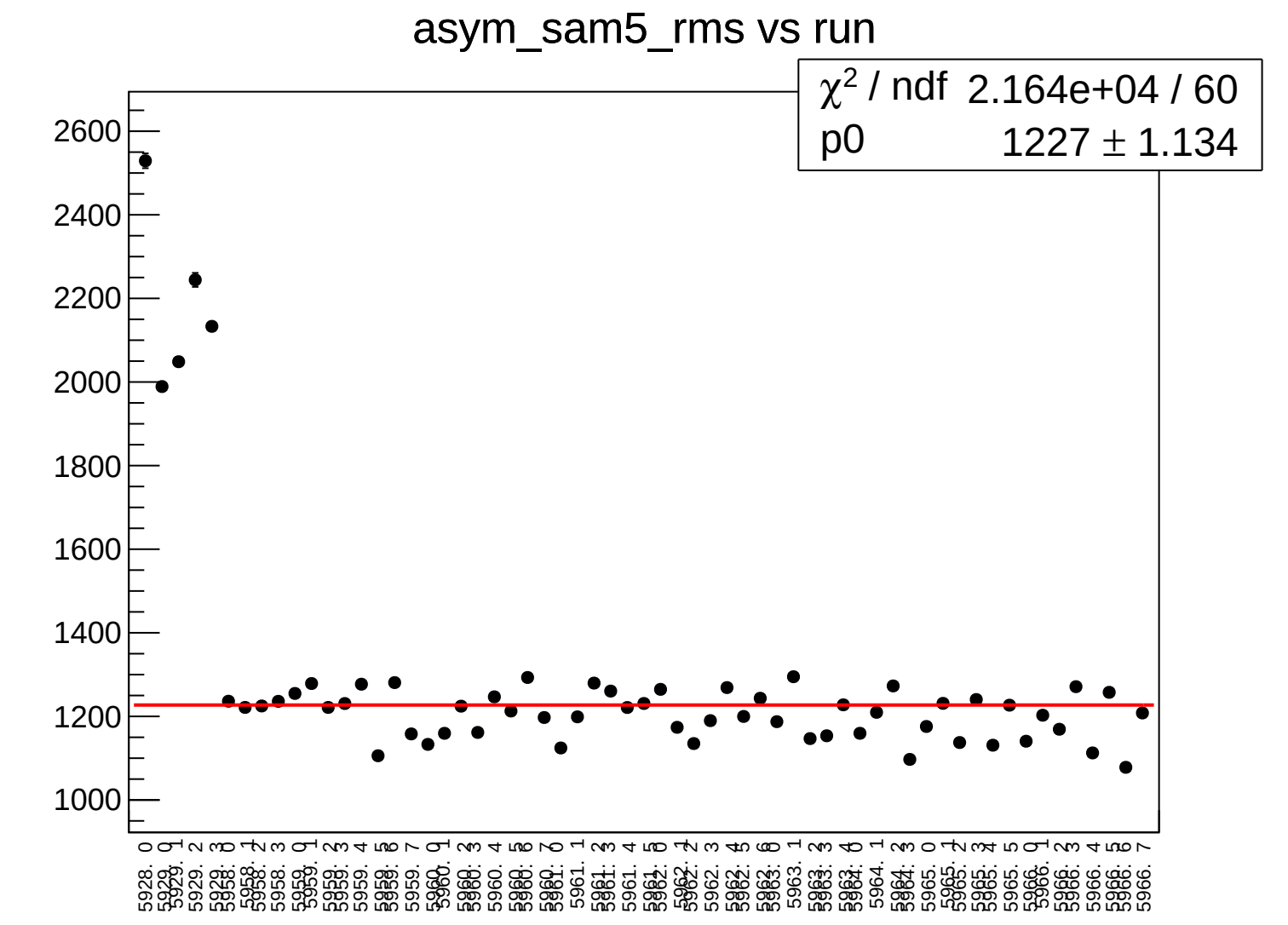

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 54.53 / 60
p0 1284 ± 1629
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1720
Std Dev 0
2
1
0
−1
−2

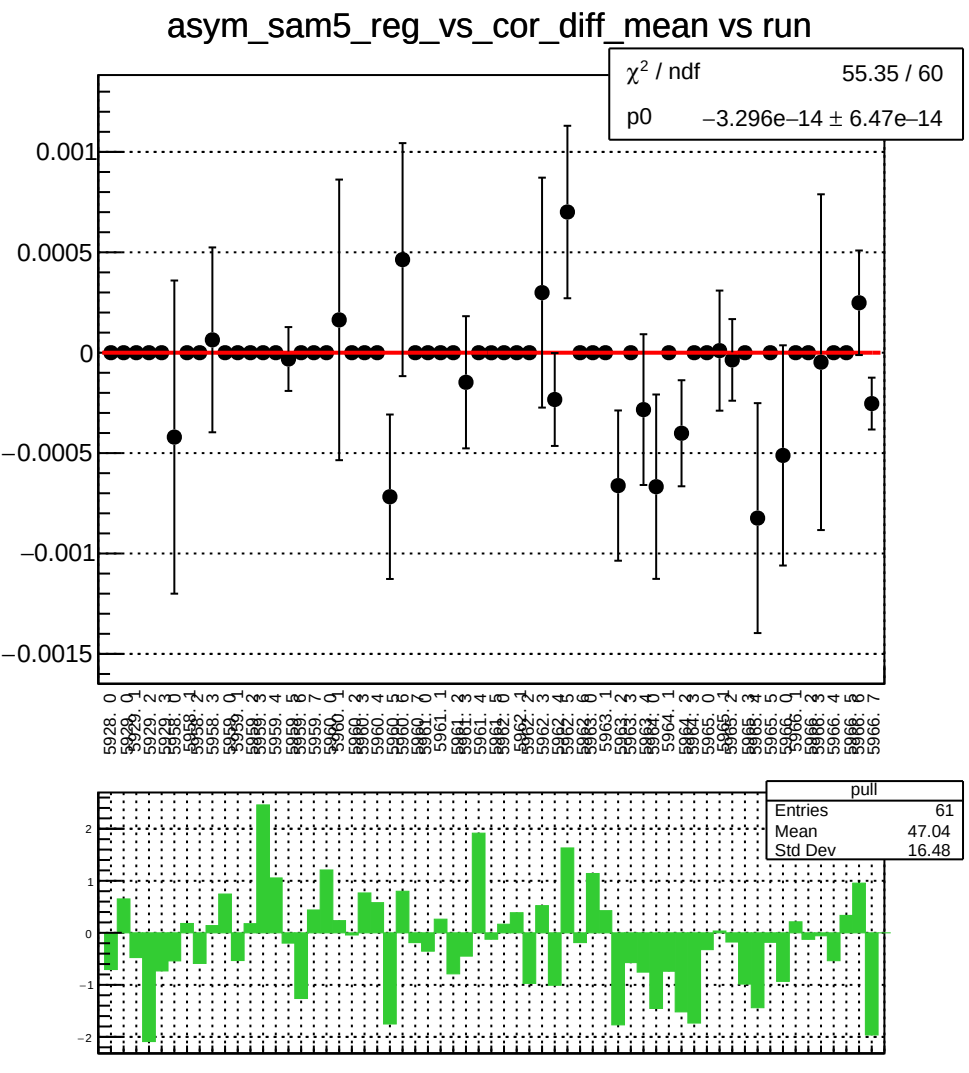

pull1D
Entries 61
Mean 0.001689
Std Dev 0.9455
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

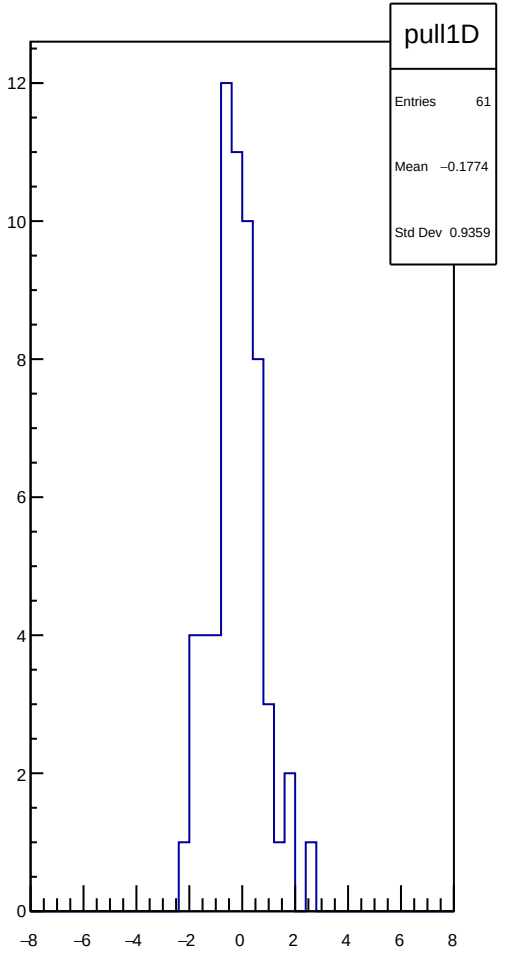

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2.222e+04 / 60
p0 1247 ± 1.152
2600
2400
2200
2000
1800
1600
1400
1200
1000

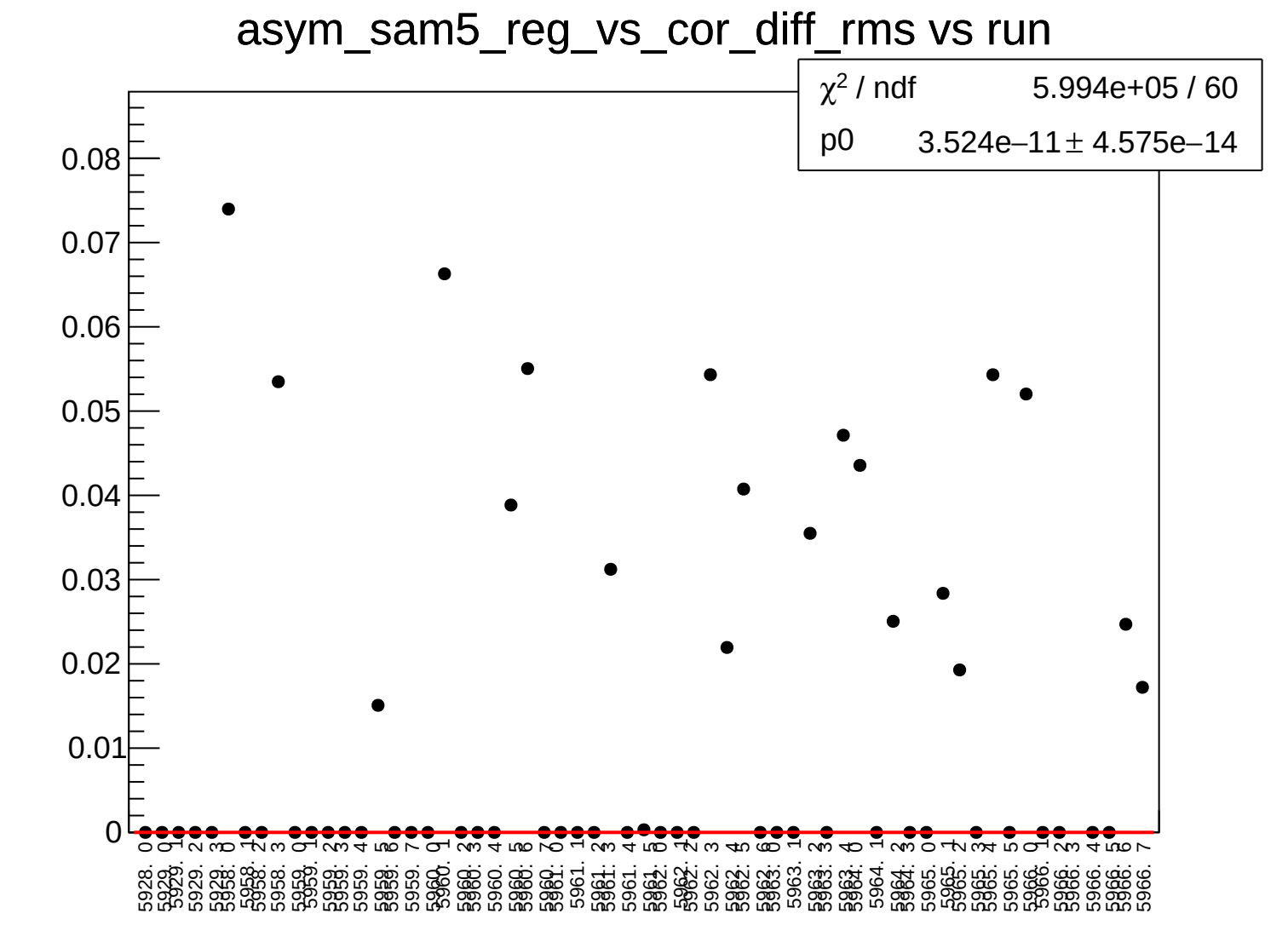

asym_sam5_mean vs run
χ² / ndf 55.74 / 60
p0 −1188 ± 1604
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 3284
Std Dev 0
2
1
0
−1
−2

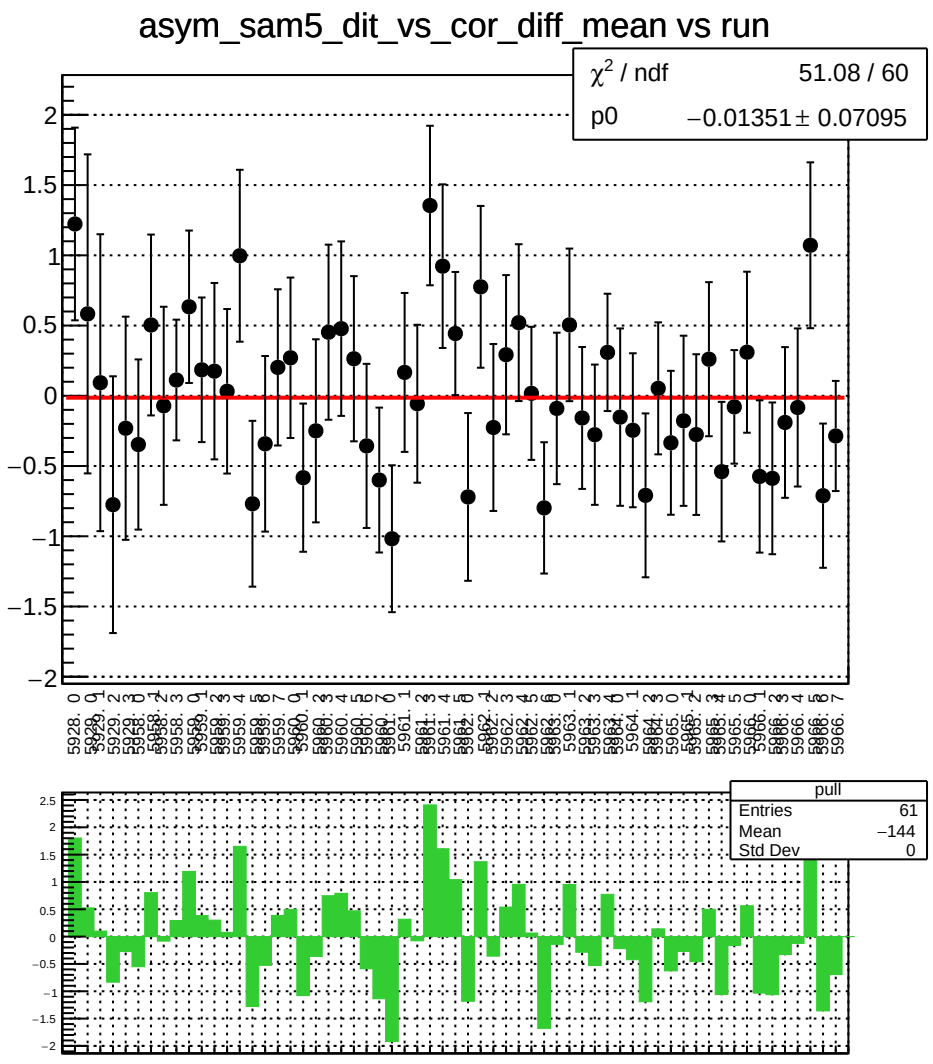

pull1D
Entries 61
Mean 0.0007203
Std Dev 0.9559
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

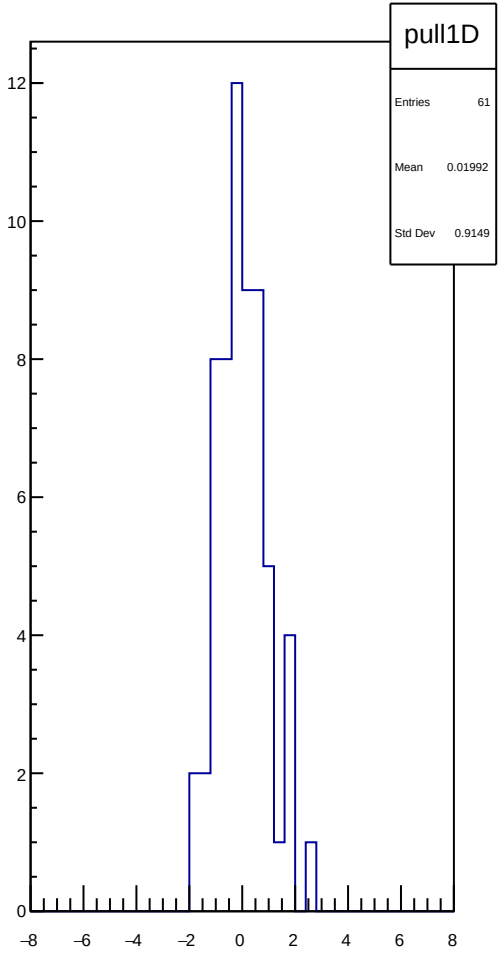

asym_sam5_rms vs run
χ² / ndf 2.164e+04 / 60
p0 1227 ± 1.134
2600
2400
2200
2000
1800
1600
1400
1200
1000

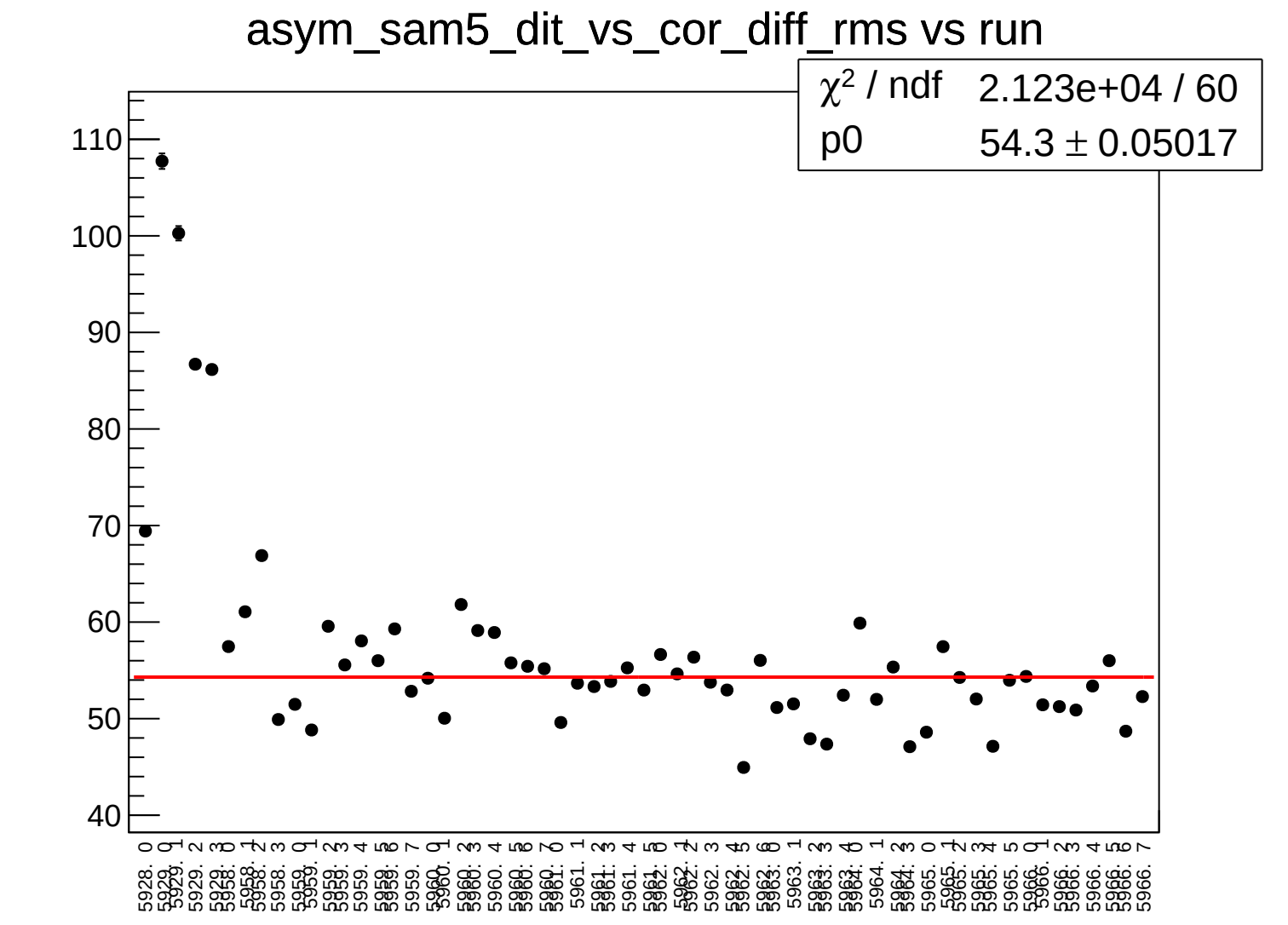

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 55.35 / 60
p0 −3.296e−14 ± 6.47e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 47.04
Std Dev 16.48
2
1
0
−1
−2

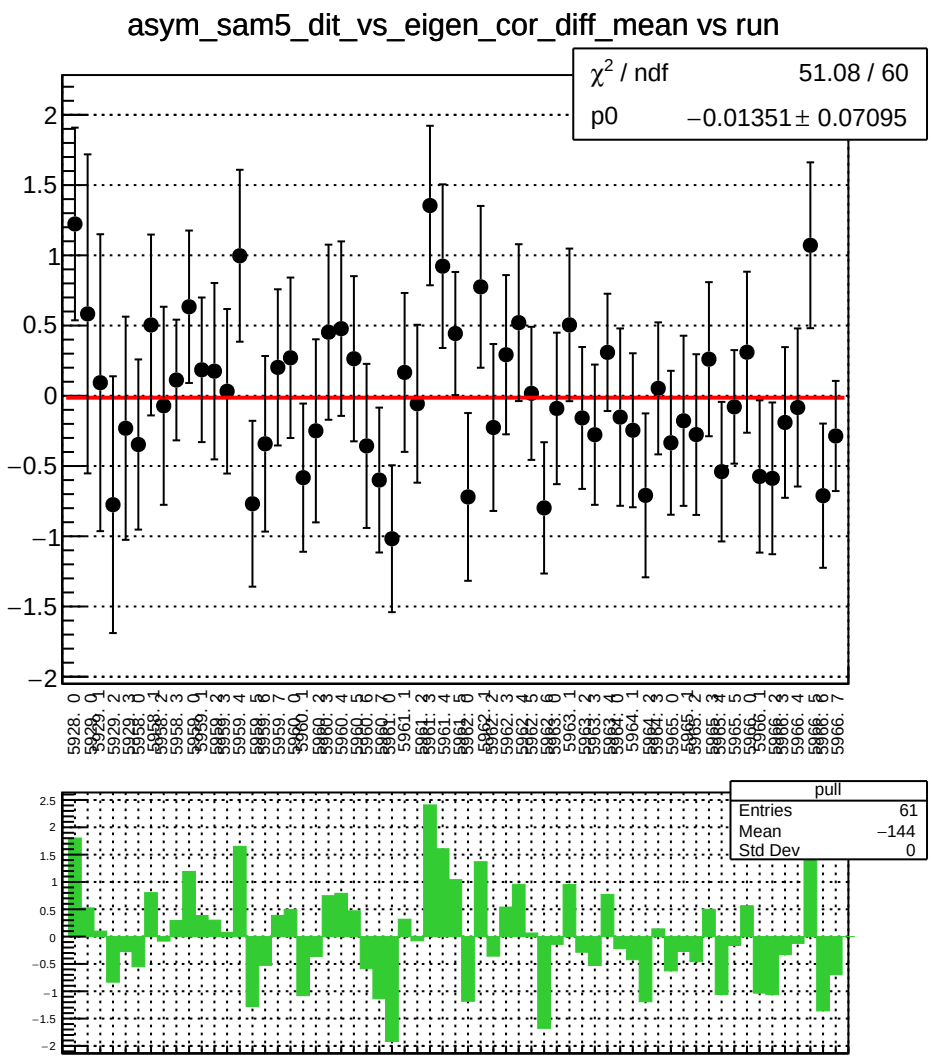

pull1D
Entries 61
Mean −0.1774
Std Dev 0.9359
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

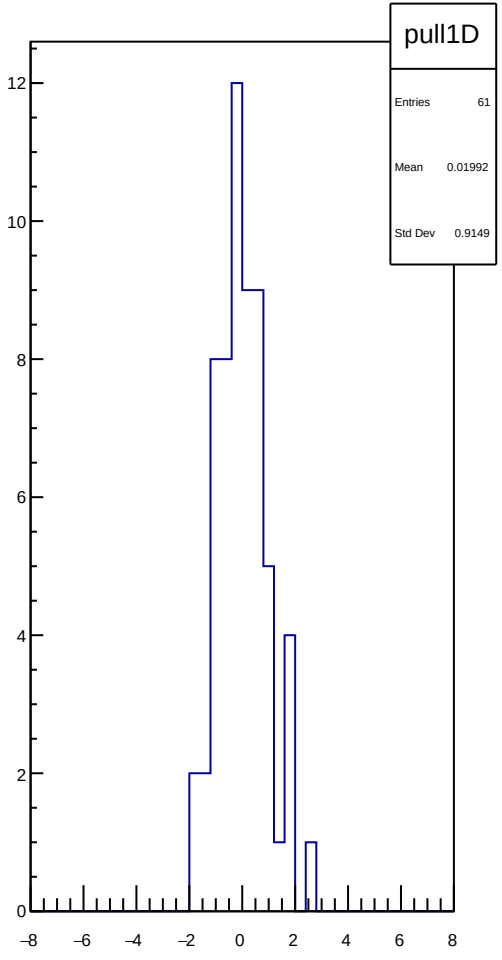

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 5.994e+05 / 60
p0 3.524e−11 ± 4.575e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

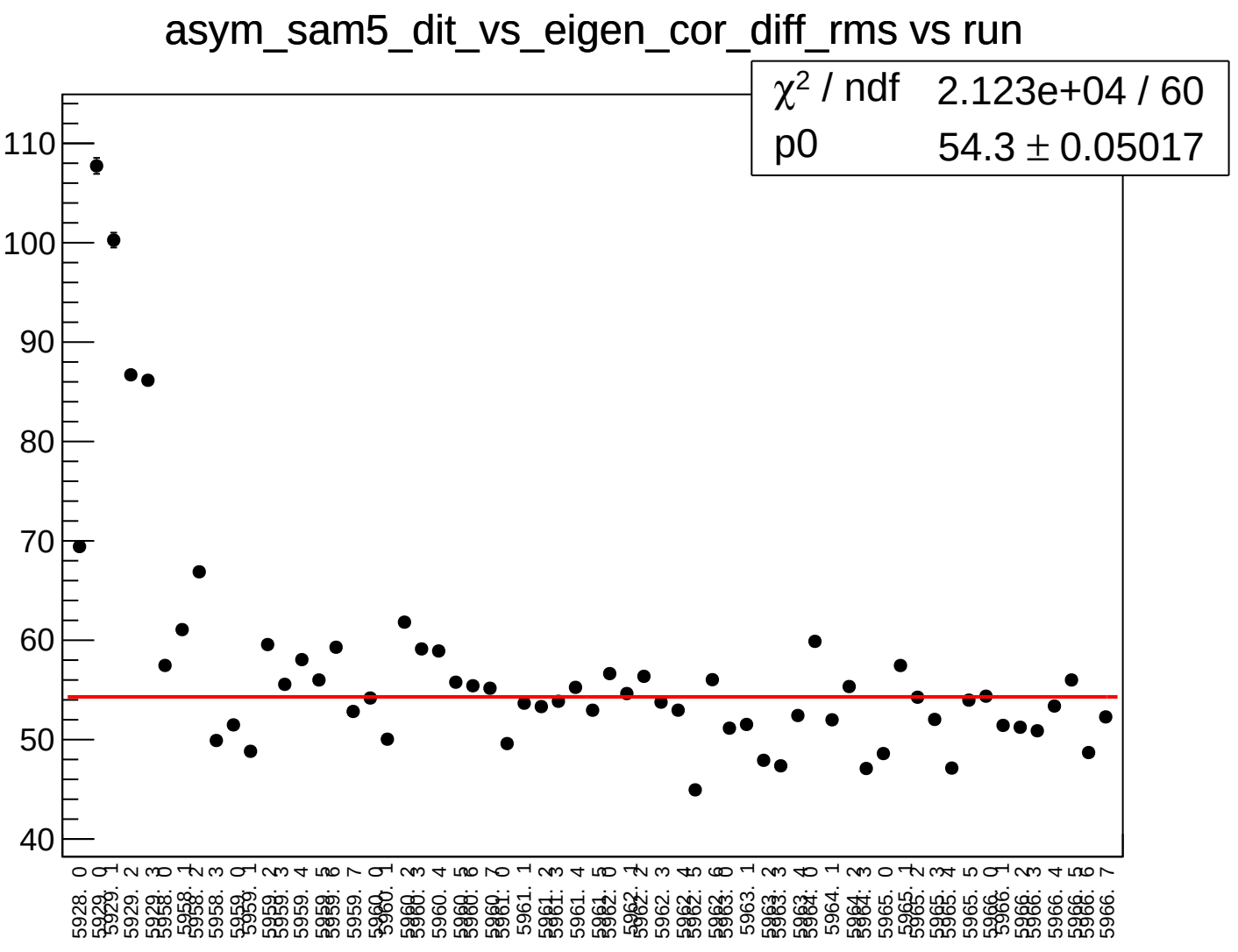

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 51.08 / 60
p0 −0.01351 ± 0.07095
pull
Entries 61
Mean −144
Std Dev 0

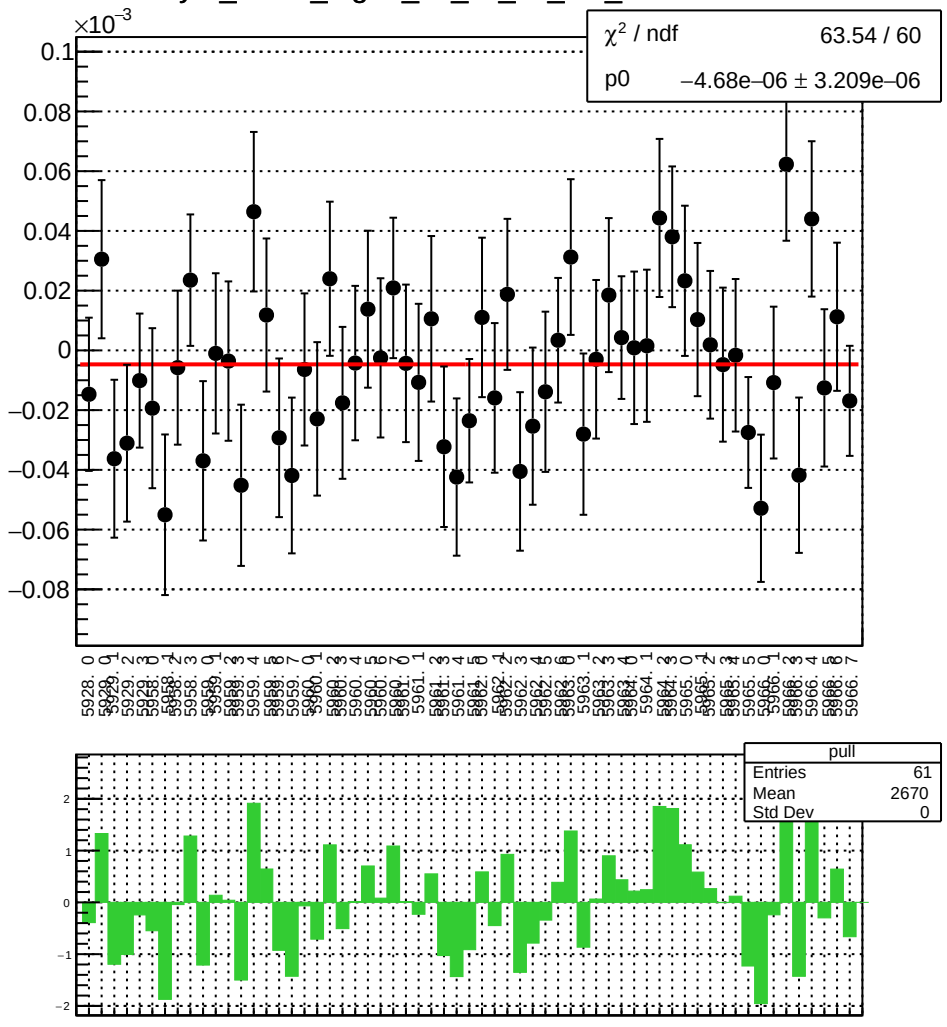

pull1D
Entries 61
Mean 0.01992
Std Dev 0.9149

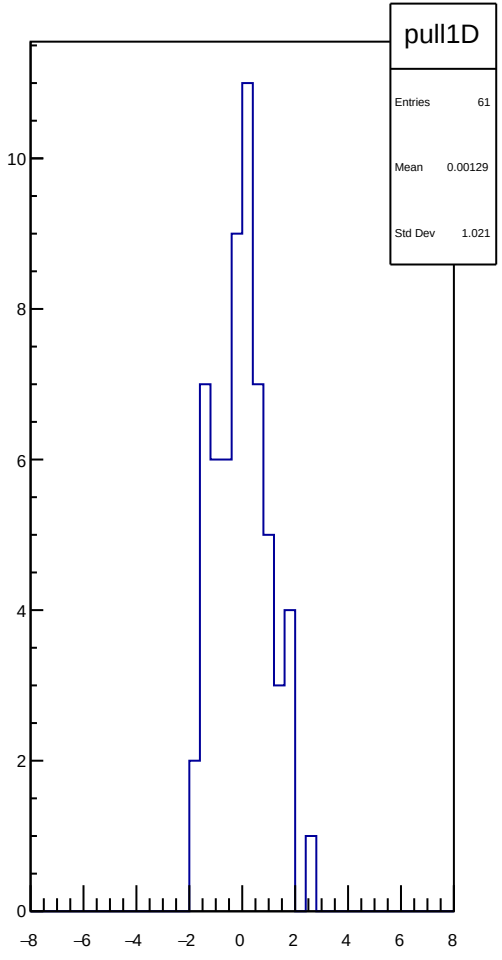

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 2.123e+04 / 60
p0 54.3 ± 0.05017
110
100
90
80
70
60
50
40

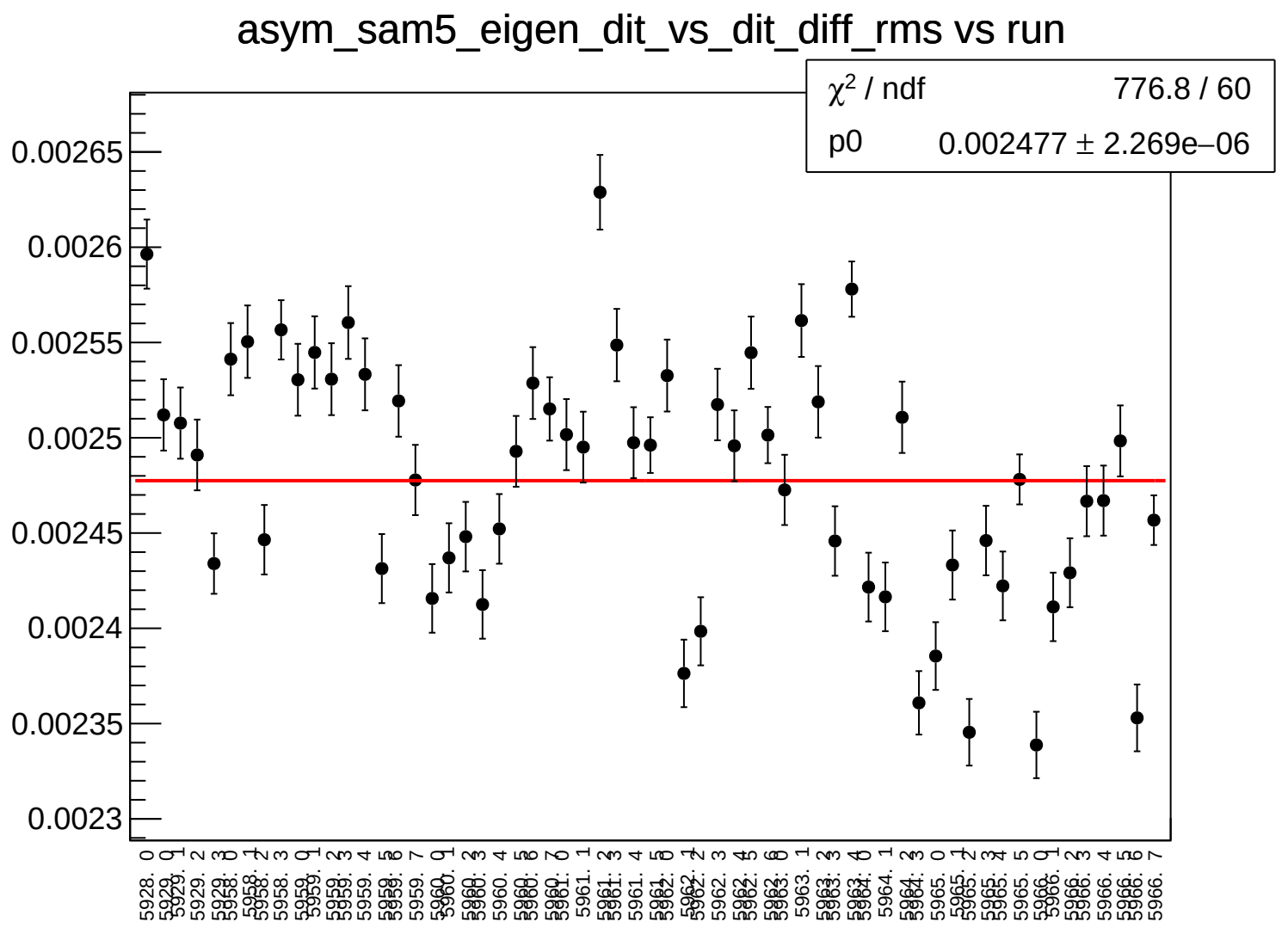

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.08 / 60
p0 −0.01351 ± 0.07095
pull
Entries 61
Mean −144
Std Dev 0

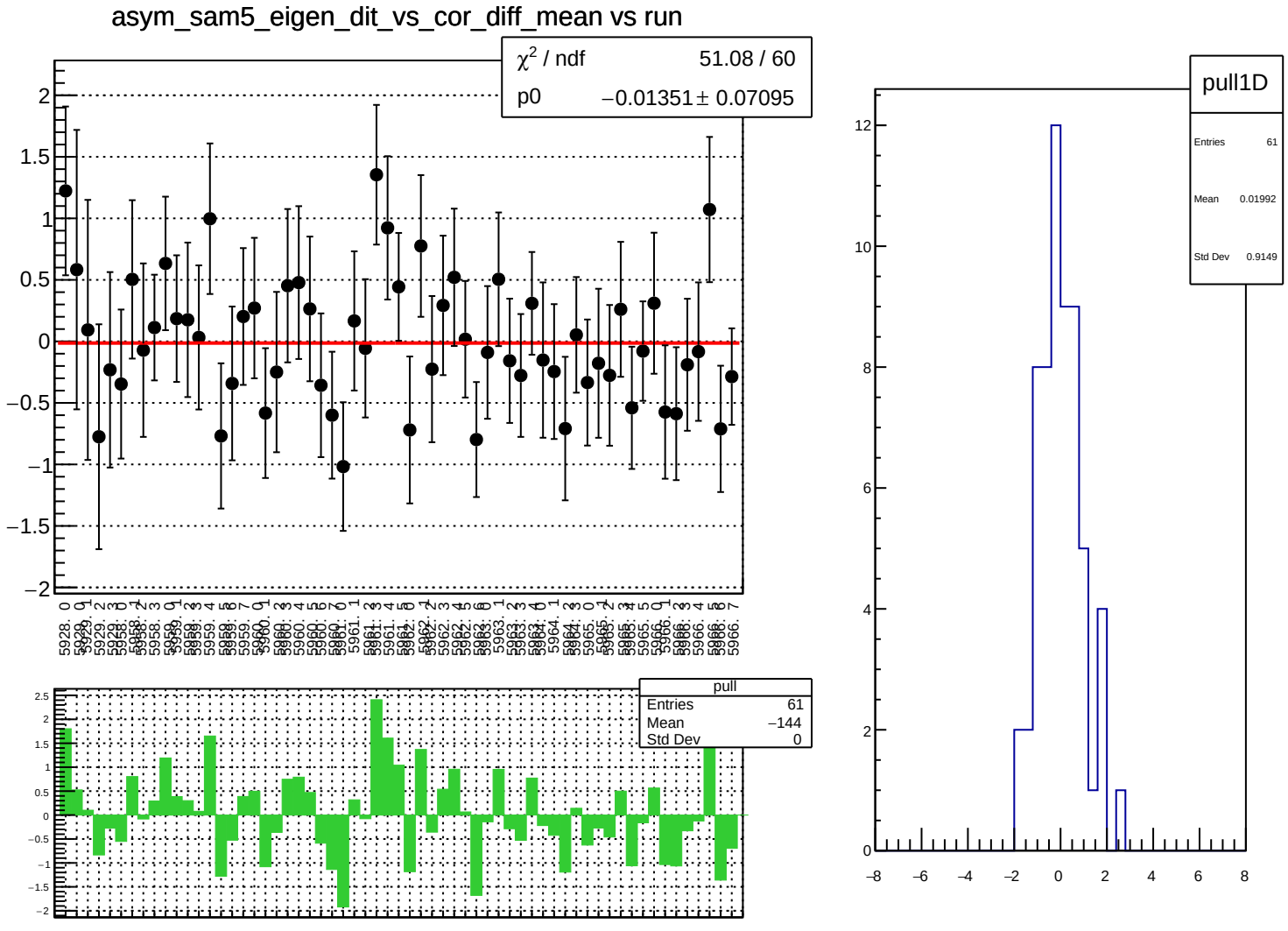

pull1D
Entries 61
Mean 0.01992
Std Dev 0.9149

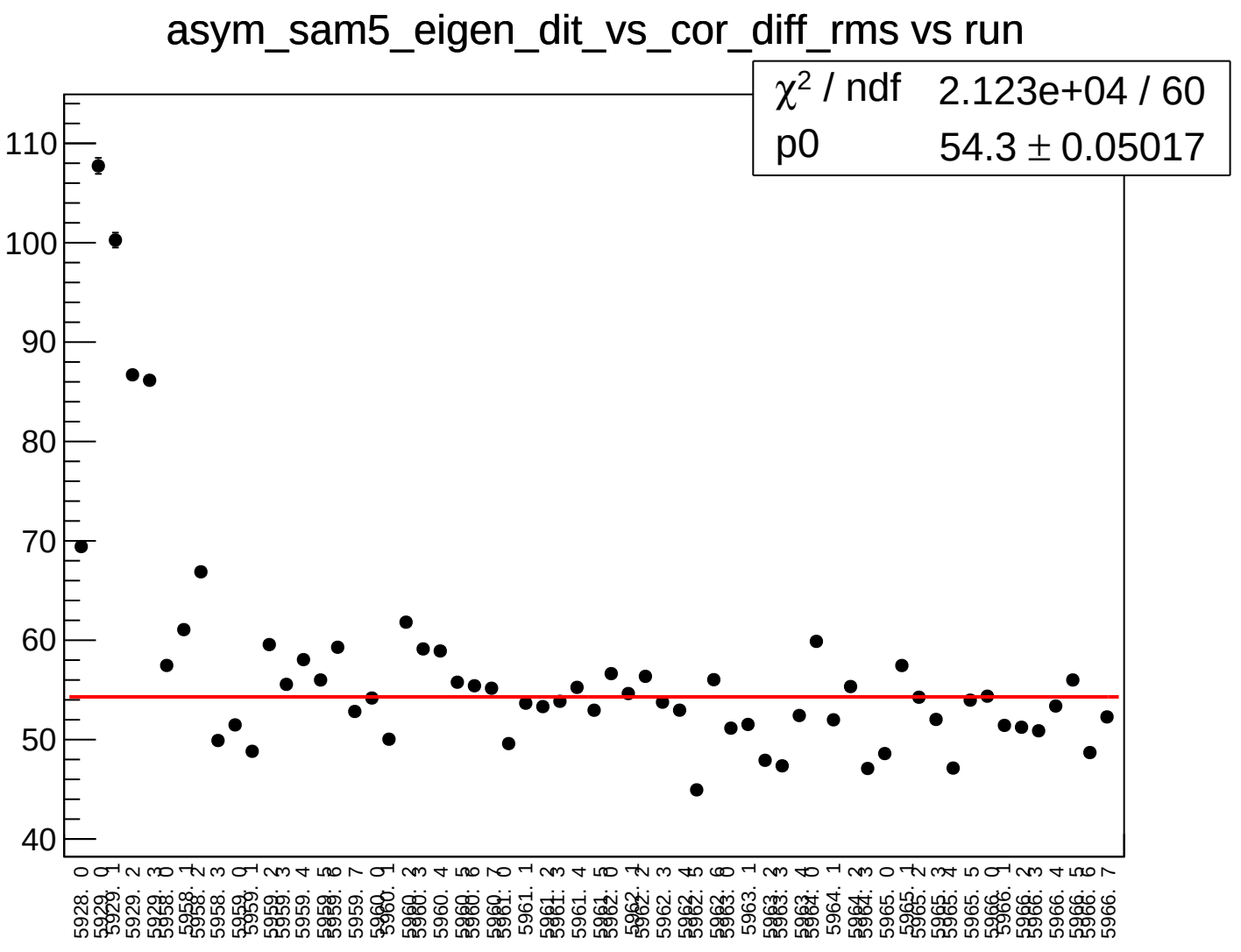

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.123e+04 / 60
p0 54.3 ± 0.05017
110
100
90
80
70
60
50
40

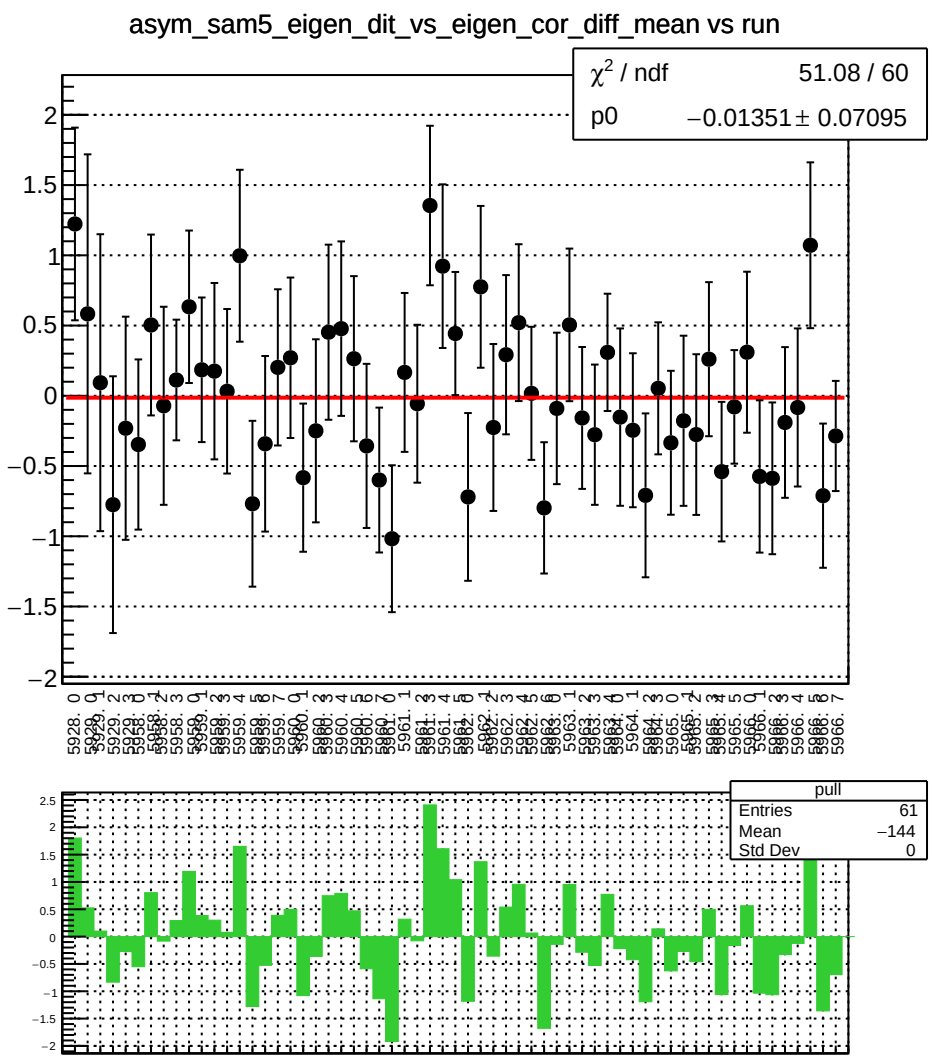

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 63.54 / 60
p0 −4.68e−06 ± 3.209e−06
pull
Entries 61
Mean 2670
Std Dev 0

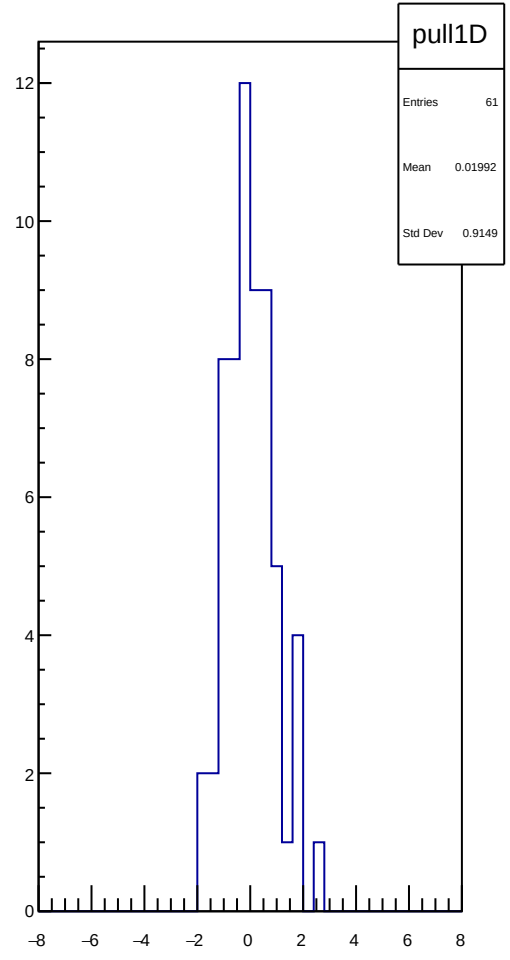

pull1D
Entries 61
Mean 0.00129
Std Dev 1.021

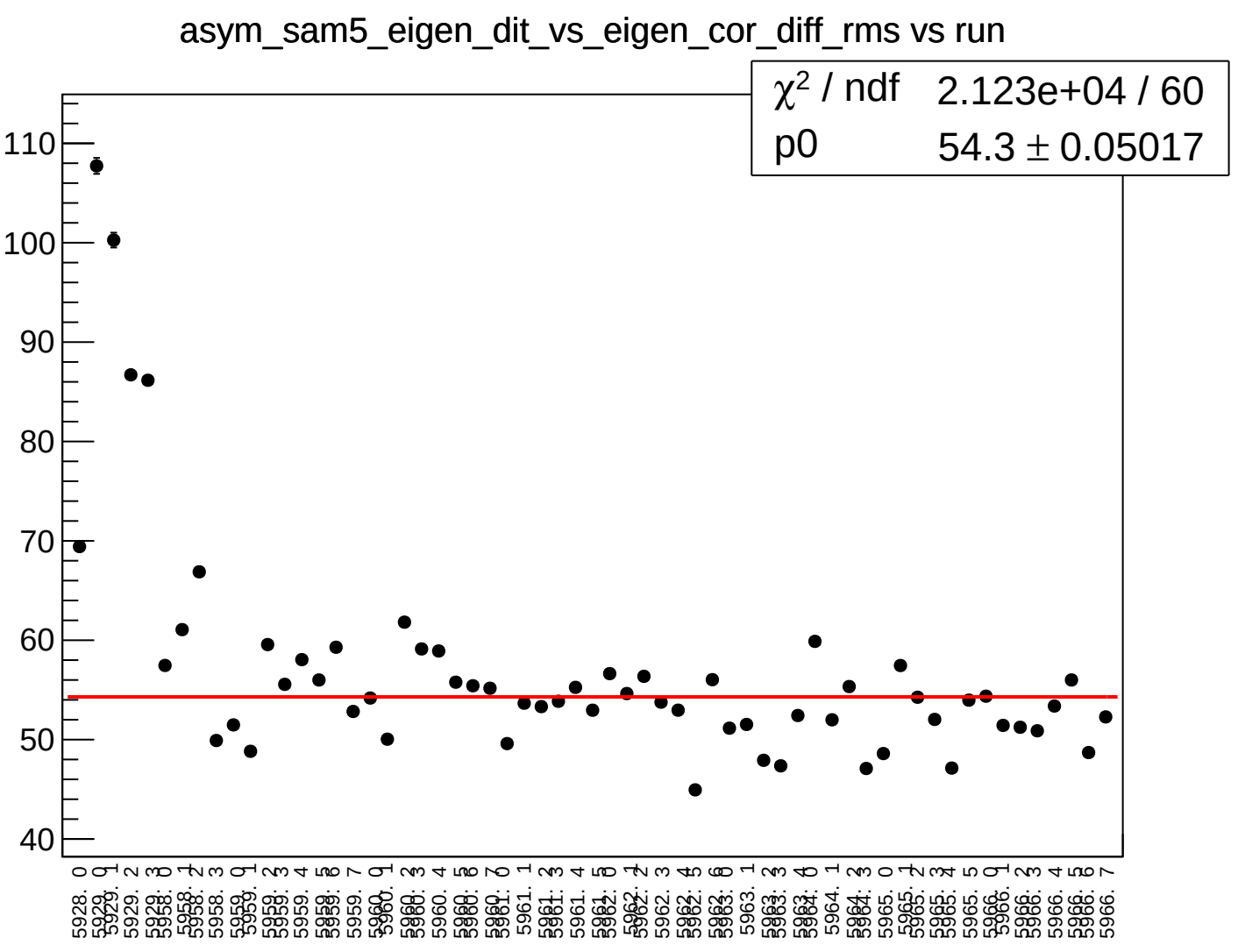

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 776.8 / 60
p0 0.002477 ± 2.269e−06
0.00265
0.0026
0.00255
0.0025
0.00245
0.0024
0.00235
0.0023

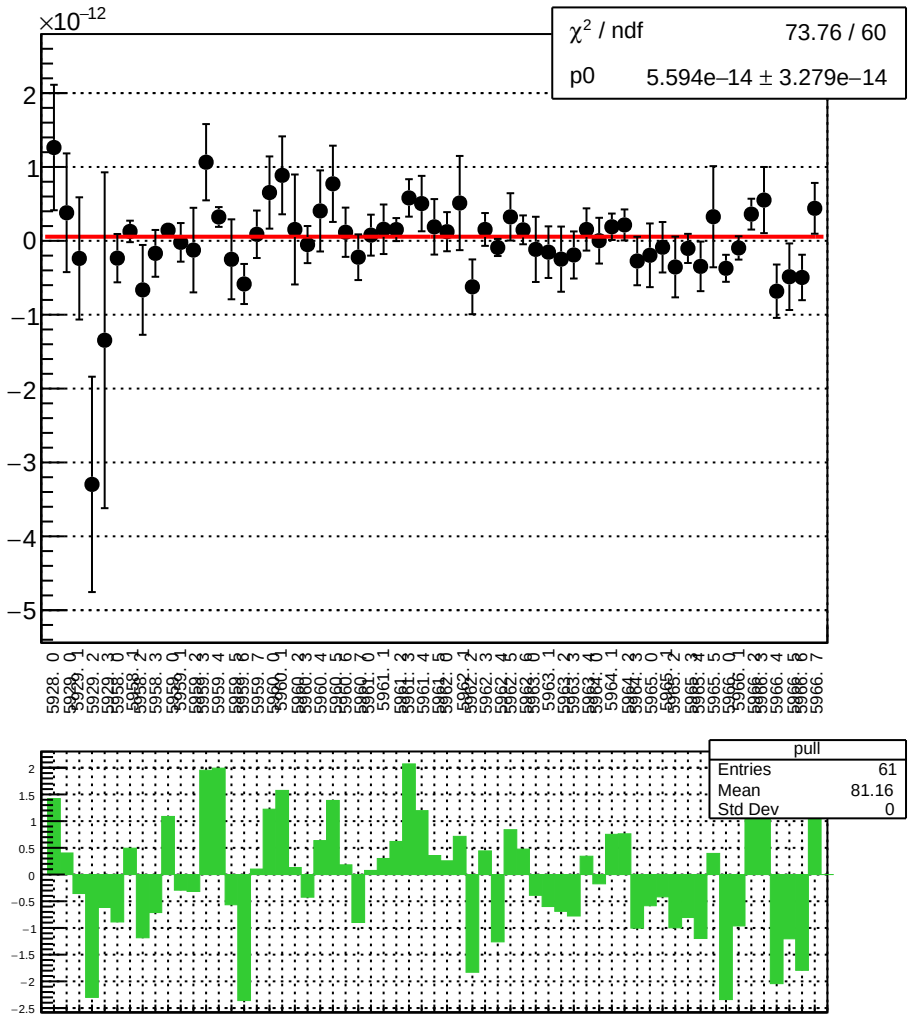

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.08 / 60
p0 −0.01351 ± 0.07095
pull
Entries 61
Mean −144
Std Dev 0
pull1D
Entries 61
Mean 0.01992
Std Dev 0.9149

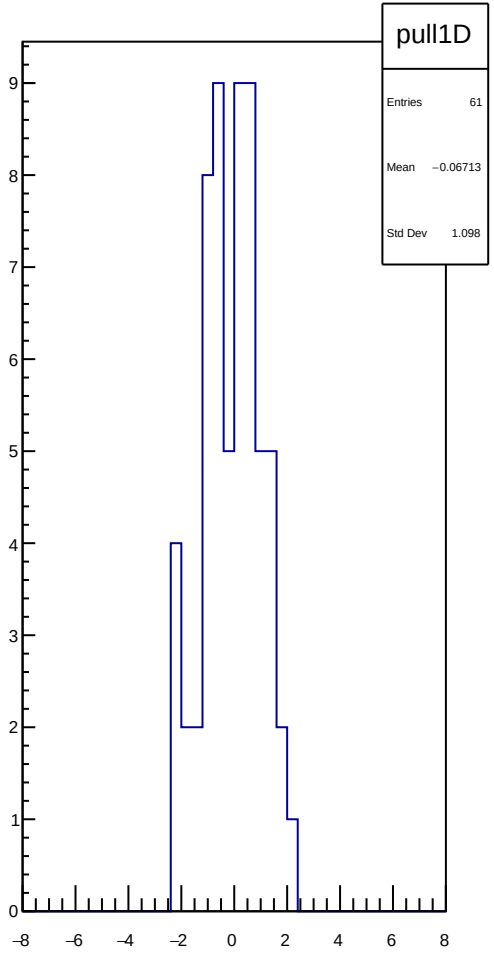

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.123e+04 / 60
p0 54.3 ± 0.05017
110
100
90
80
70
60
50
40

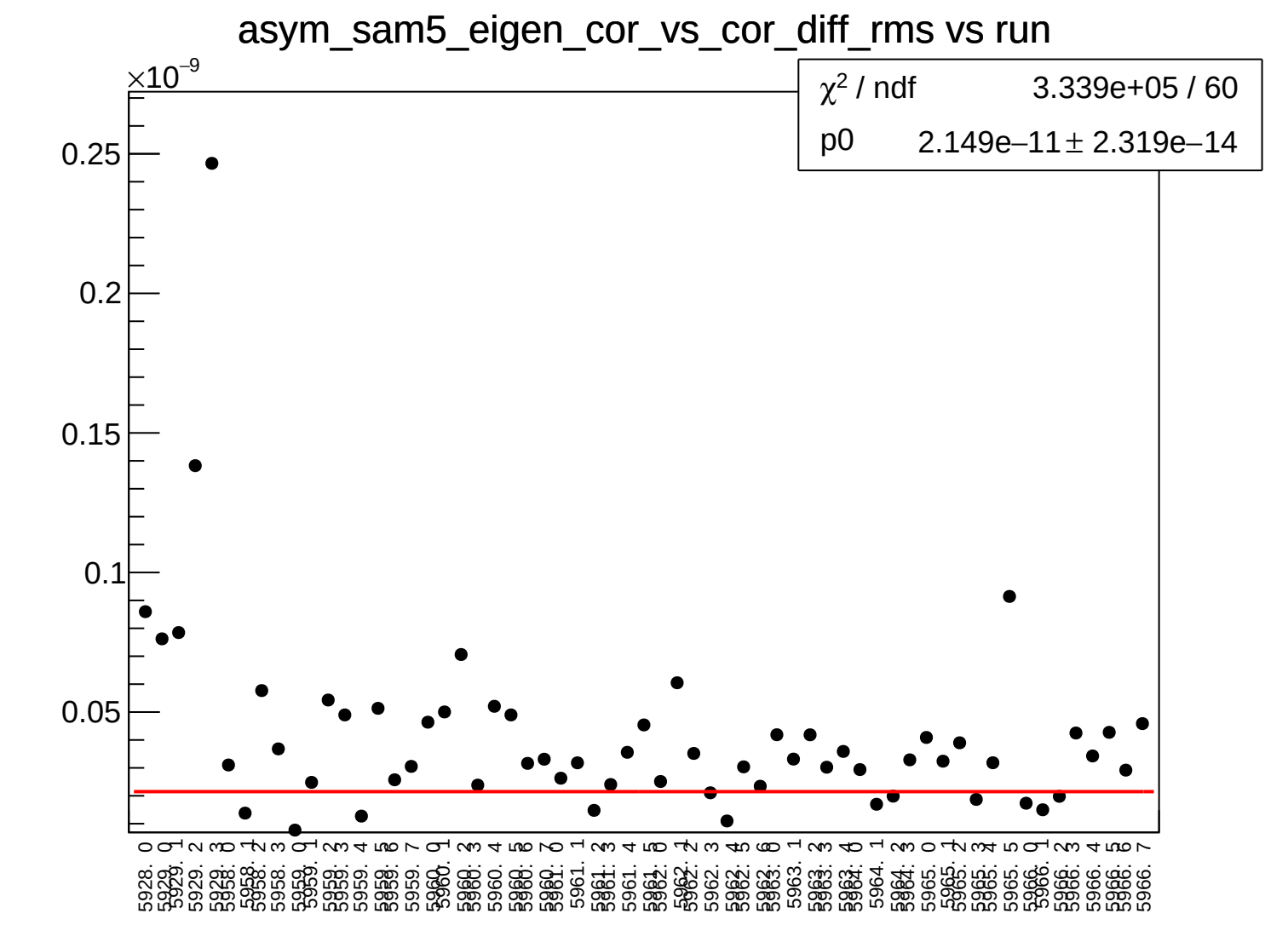

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.08 / 60
p0 −0.01351 ± 0.07095
pull
Entries 61
Mean −144
Std Dev 0

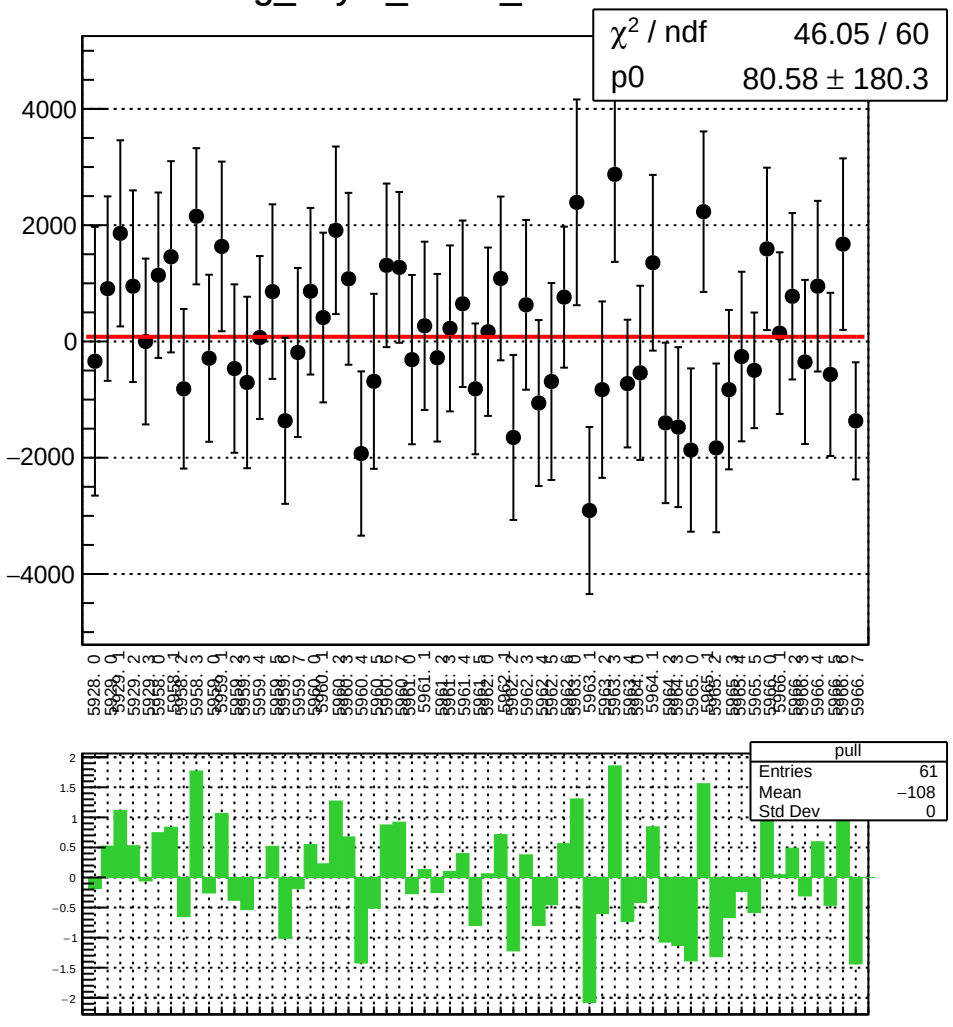

pull1D
Entries 61
Mean 0.01992
Std Dev 0.9149

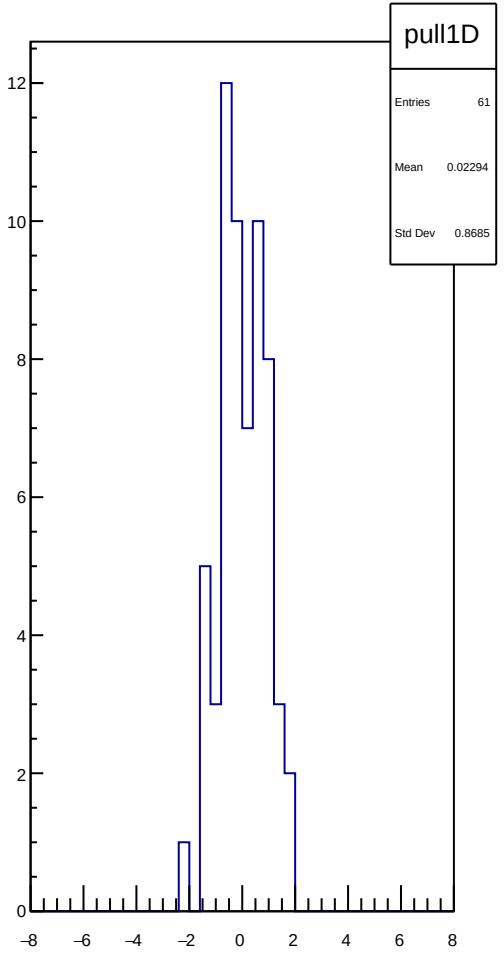

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.123e+04 / 60
p0 54.3 ± 0.05017
110
100
90
80
70
60
50
40

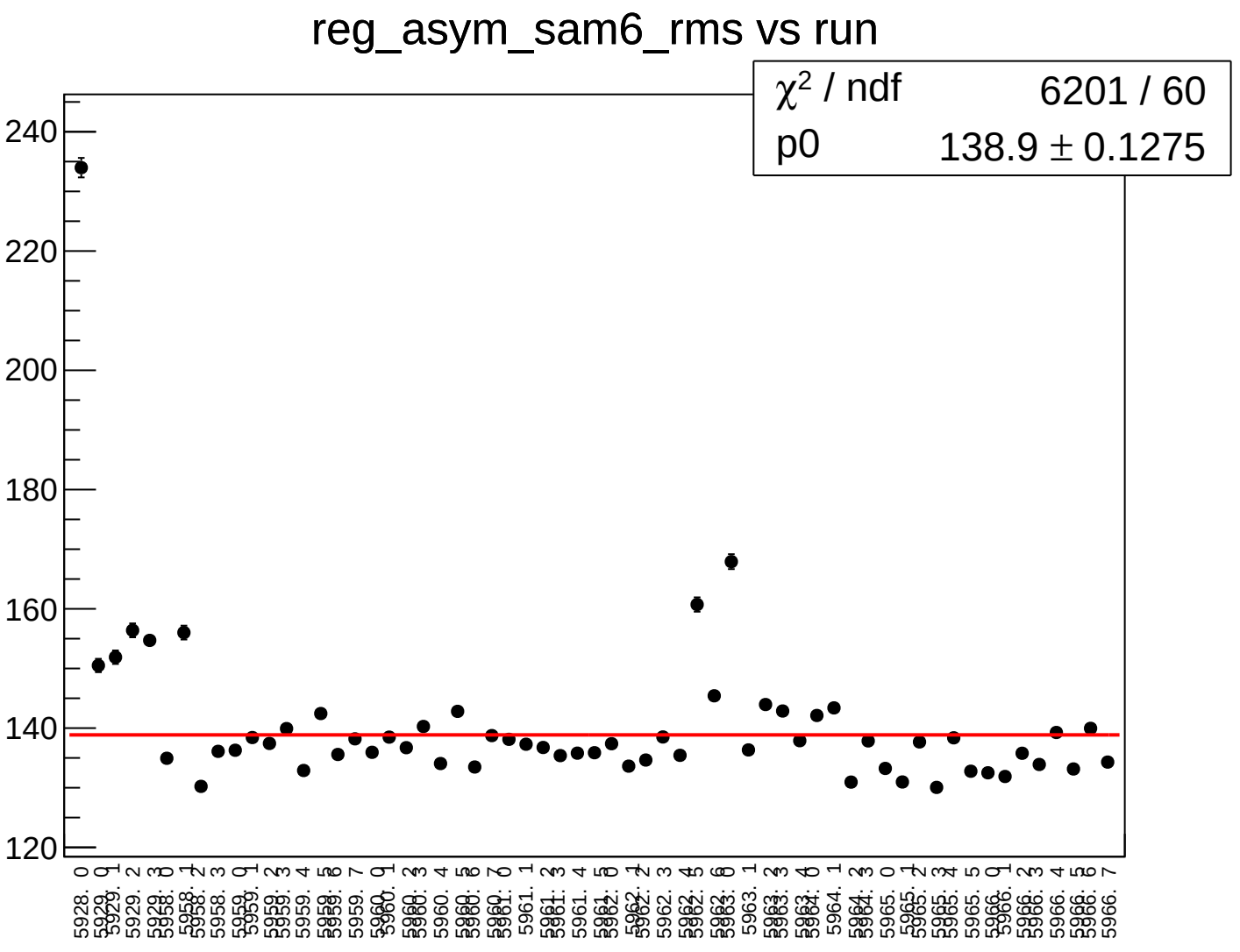

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.76 / 60
p0 5.594e−14 ± 3.279e−14
pull
Entries 61
Mean 81.16
Std Dev 0

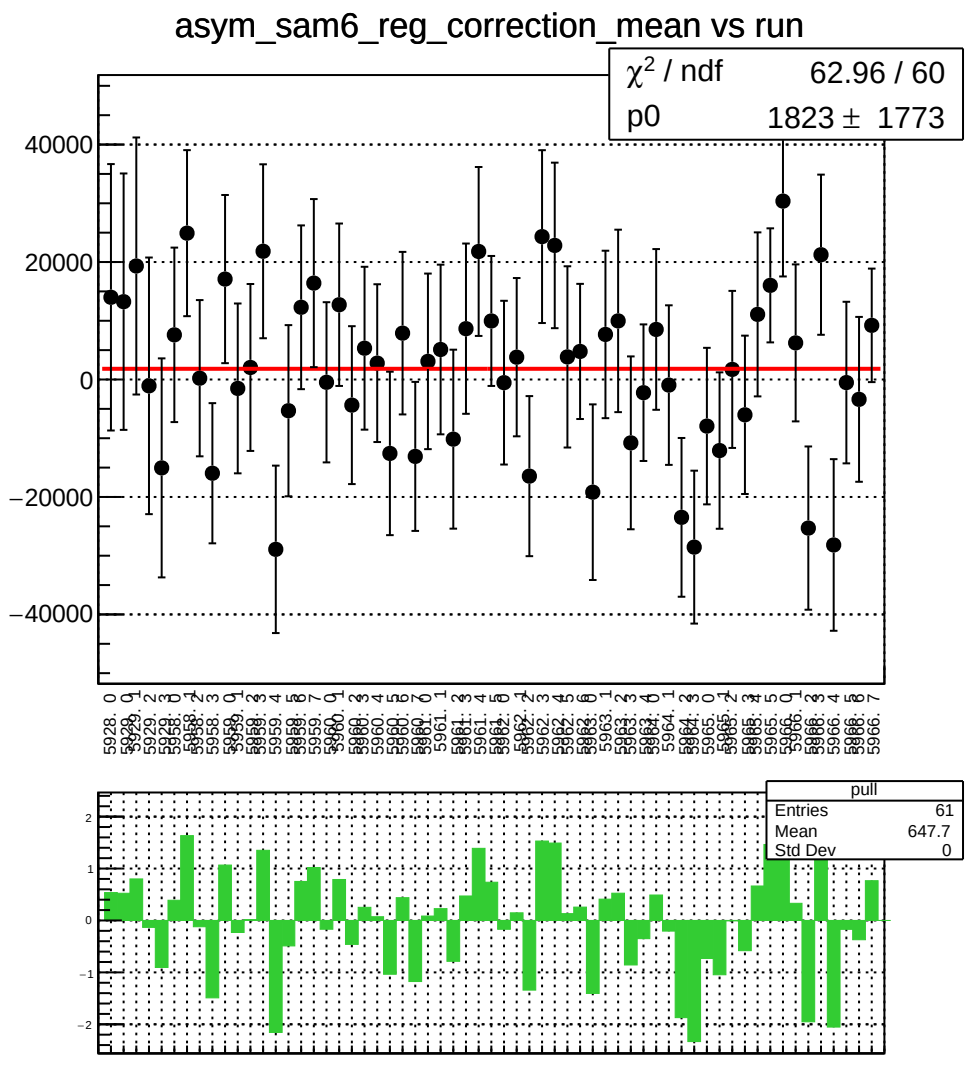

pull1D
Entries 61
Mean −0.06713
Std Dev 1.098

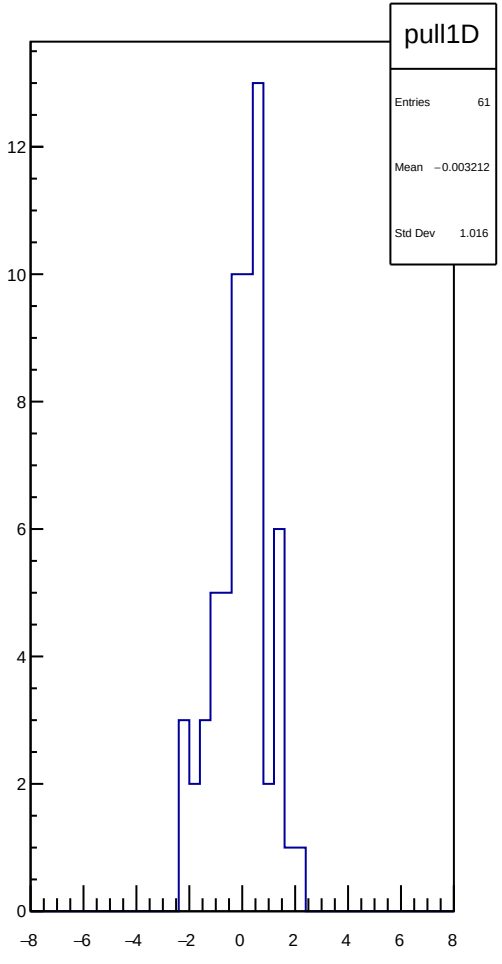

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.339e+05 / 60
p0 2.149e−11 ± 2.319e−14
0.25
0.2
0.15
0.1
0.05

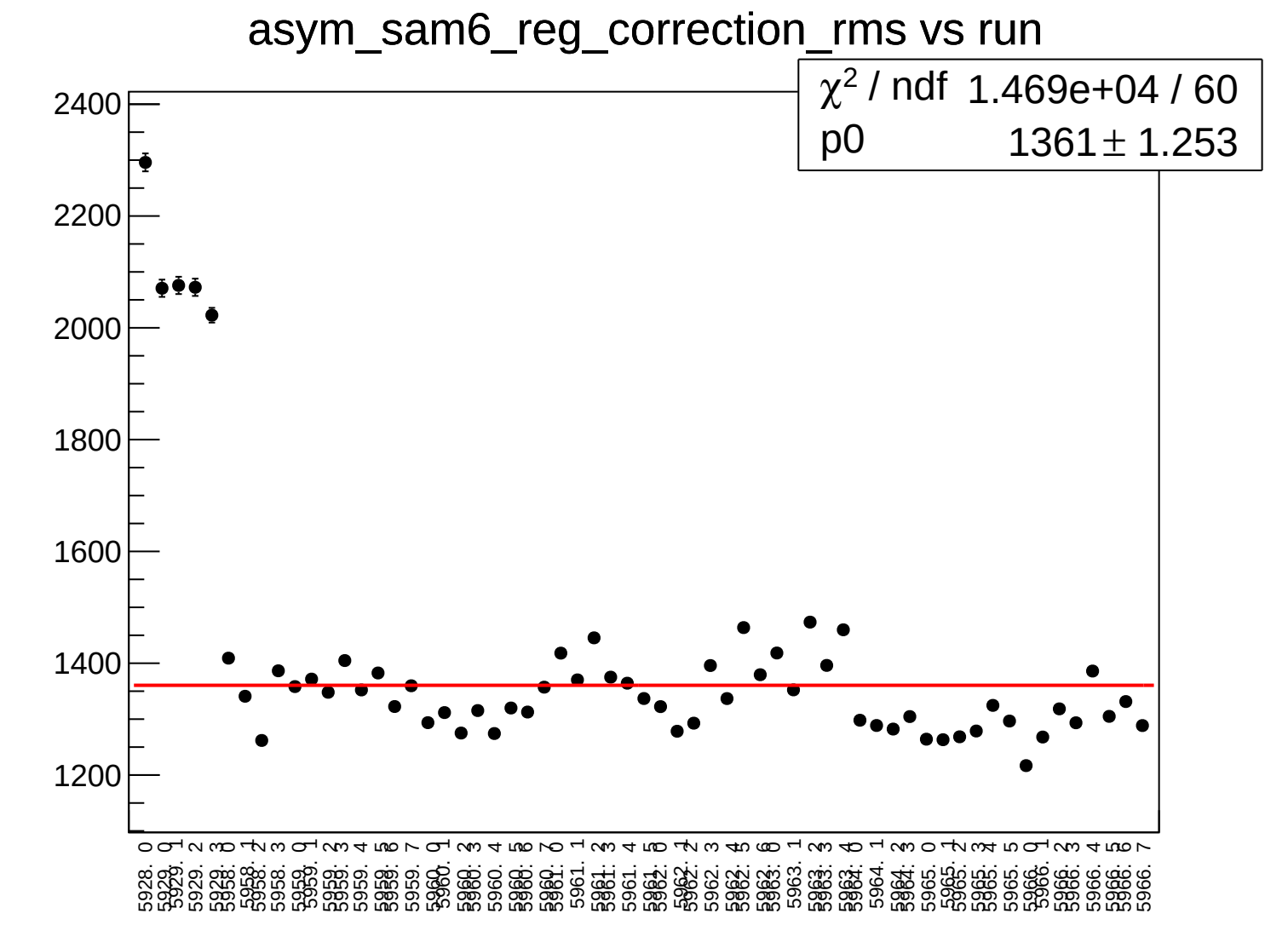

reg_asym_sam6_mean vs run
χ² / ndf 46.05 / 60
p0 80.58 ± 180.3
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

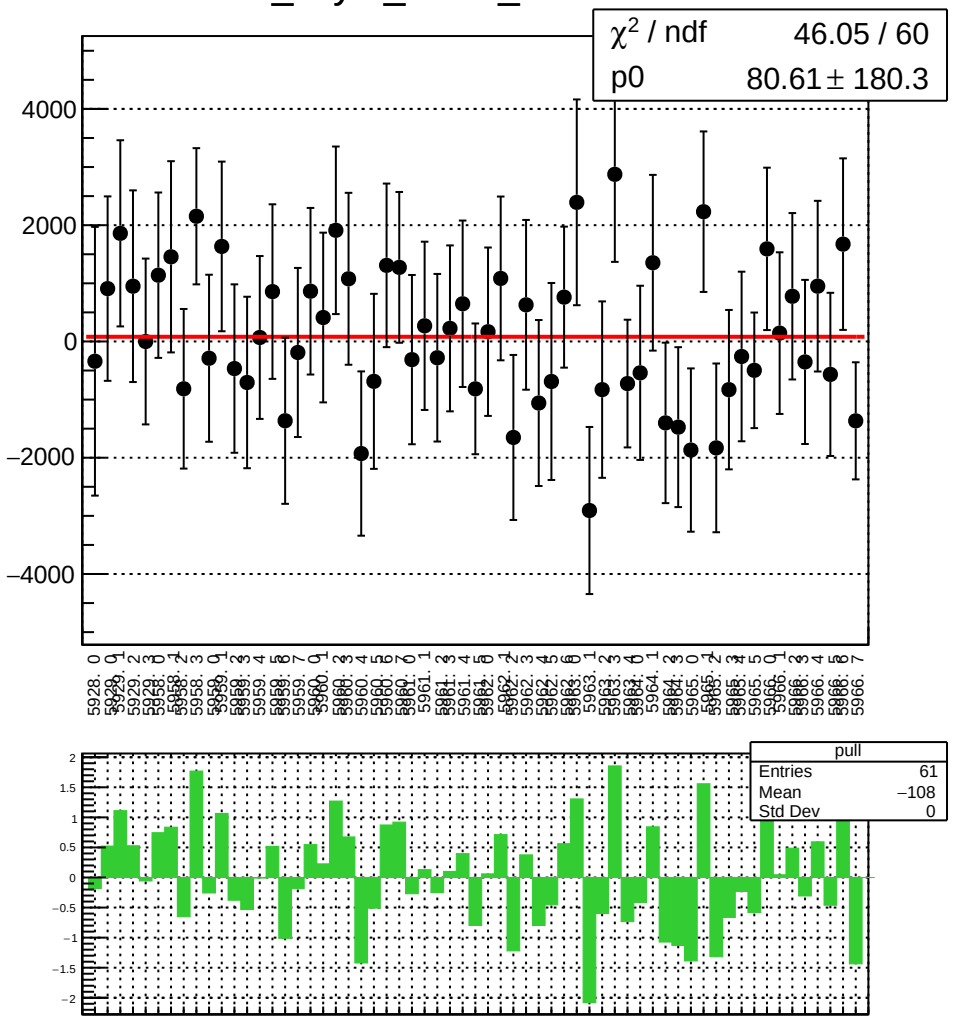

pull1D
Entries 61
Mean 0.02294
Std Dev 0.8685
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

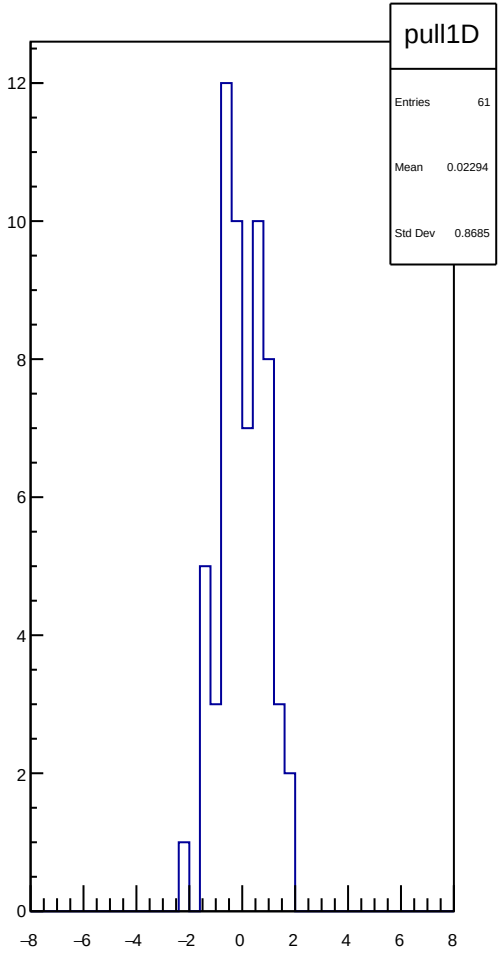

reg_asym_sam6_rms vs run
χ² / ndf 6201 / 60
p0 138.9 ± 0.1275
240
220
200
180
160
140
120

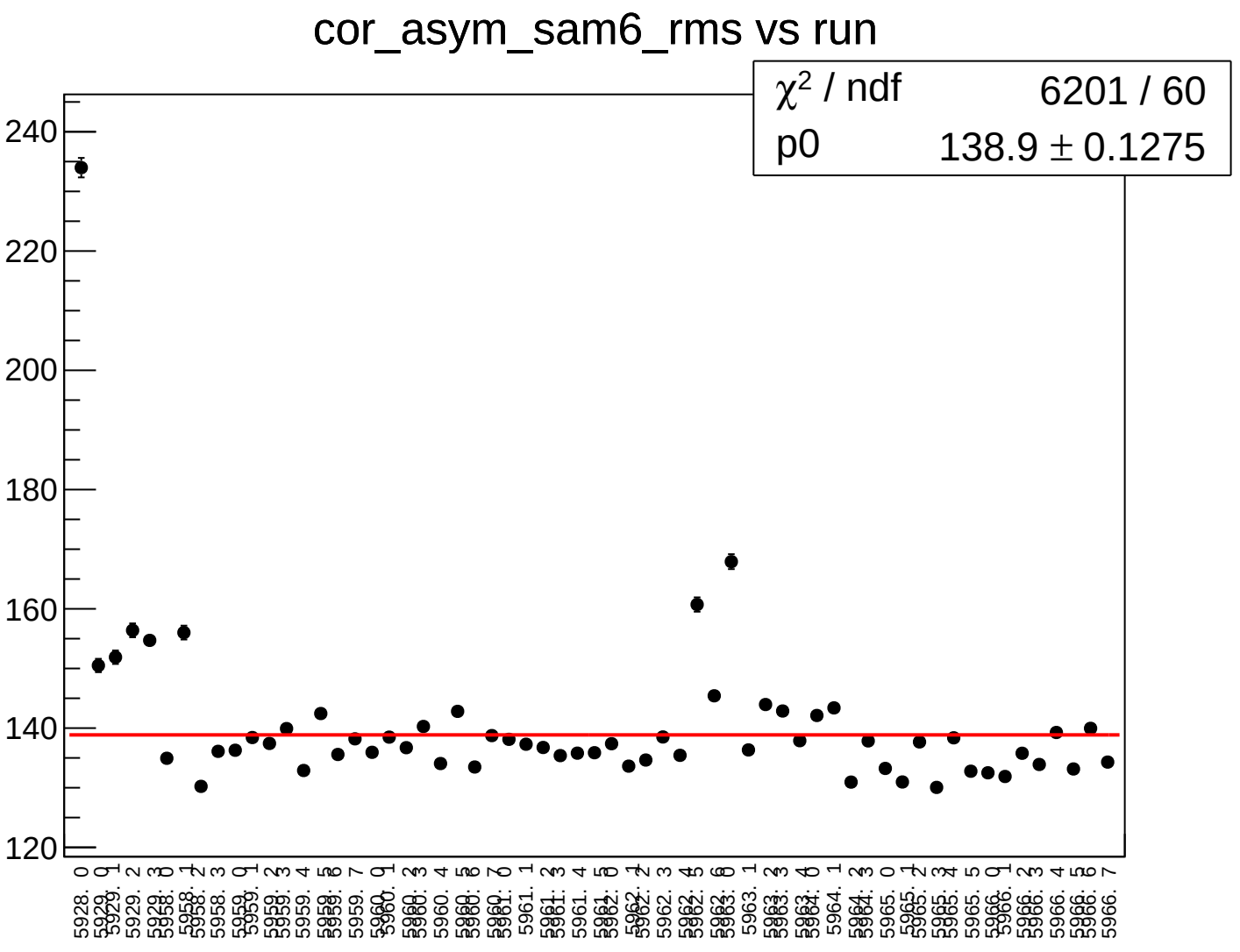

asym_sam6_reg_correction_mean vs run
χ² / ndf 62.96 / 60
p0 1823 ± 1773
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 647.7
Std Dev 0
2
1
0
−1
−2

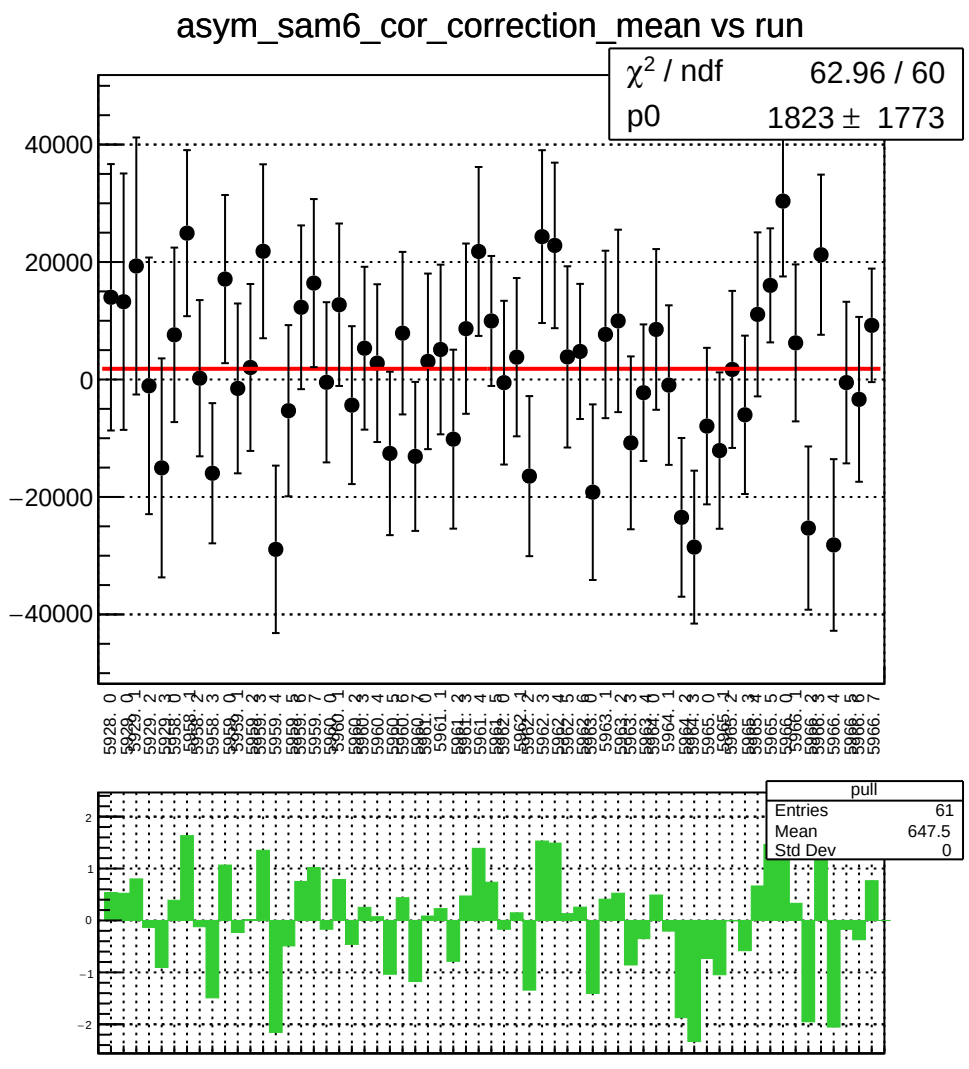

pull1D
Entries 61
Mean −0.003212
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

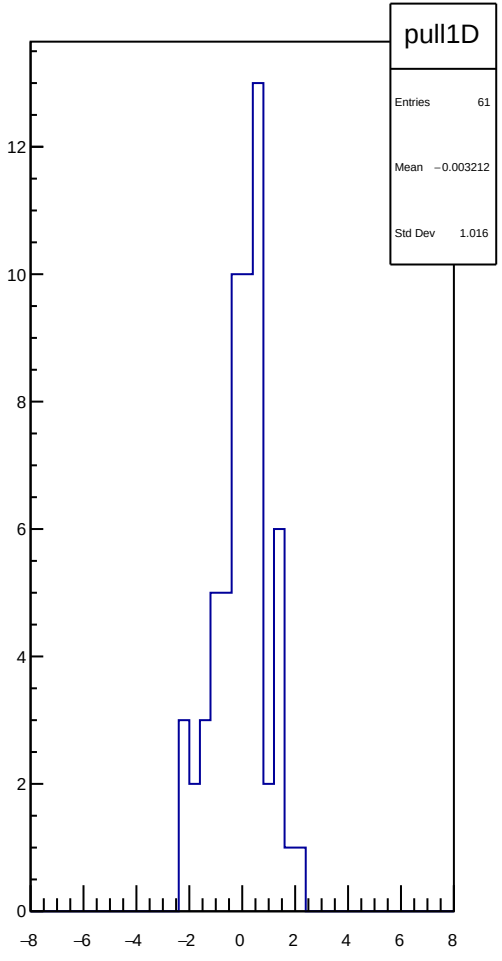

asym_sam6_reg_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1361 ± 1.253
2400
2200
2000
1800
1600
1400
1200

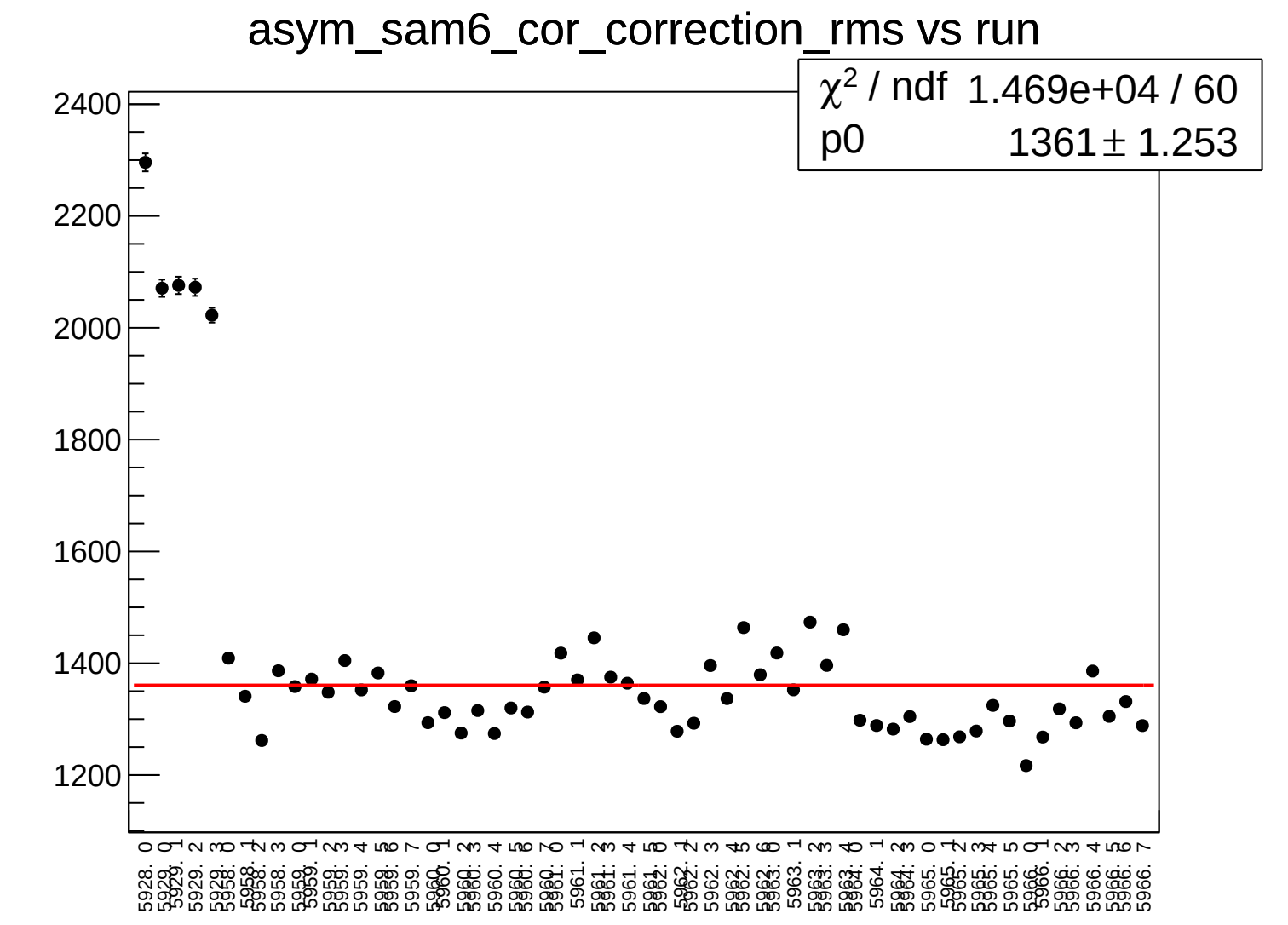

cor_asym_sam6_mean vs run
χ² / ndf 46.05 / 60
p0 80.61 ± 180.3
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

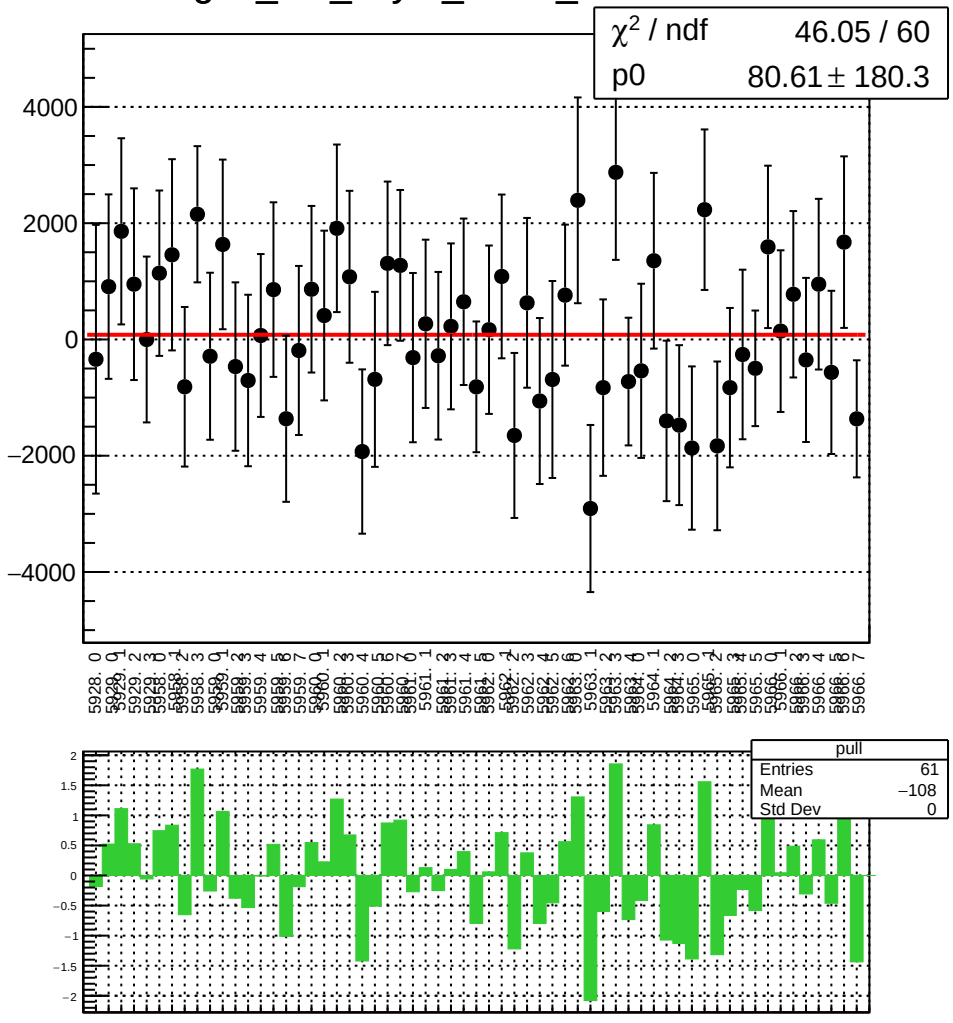

pull1D
Entries 61
Mean 0.02294
Std Dev 0.8685
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

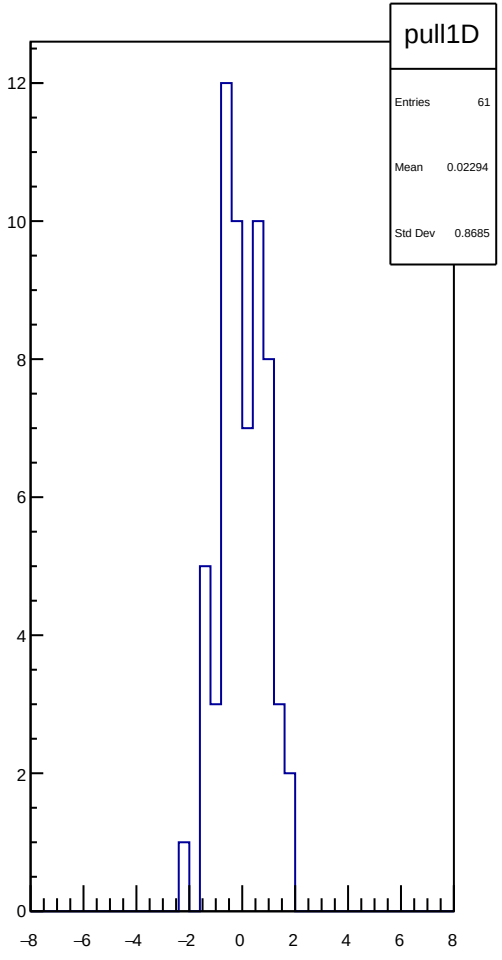

cor_asym_sam6_rms vs run
χ² / ndf 6201 / 60
p0 138.9 ± 0.1275
240
220
200
180
160
140
120

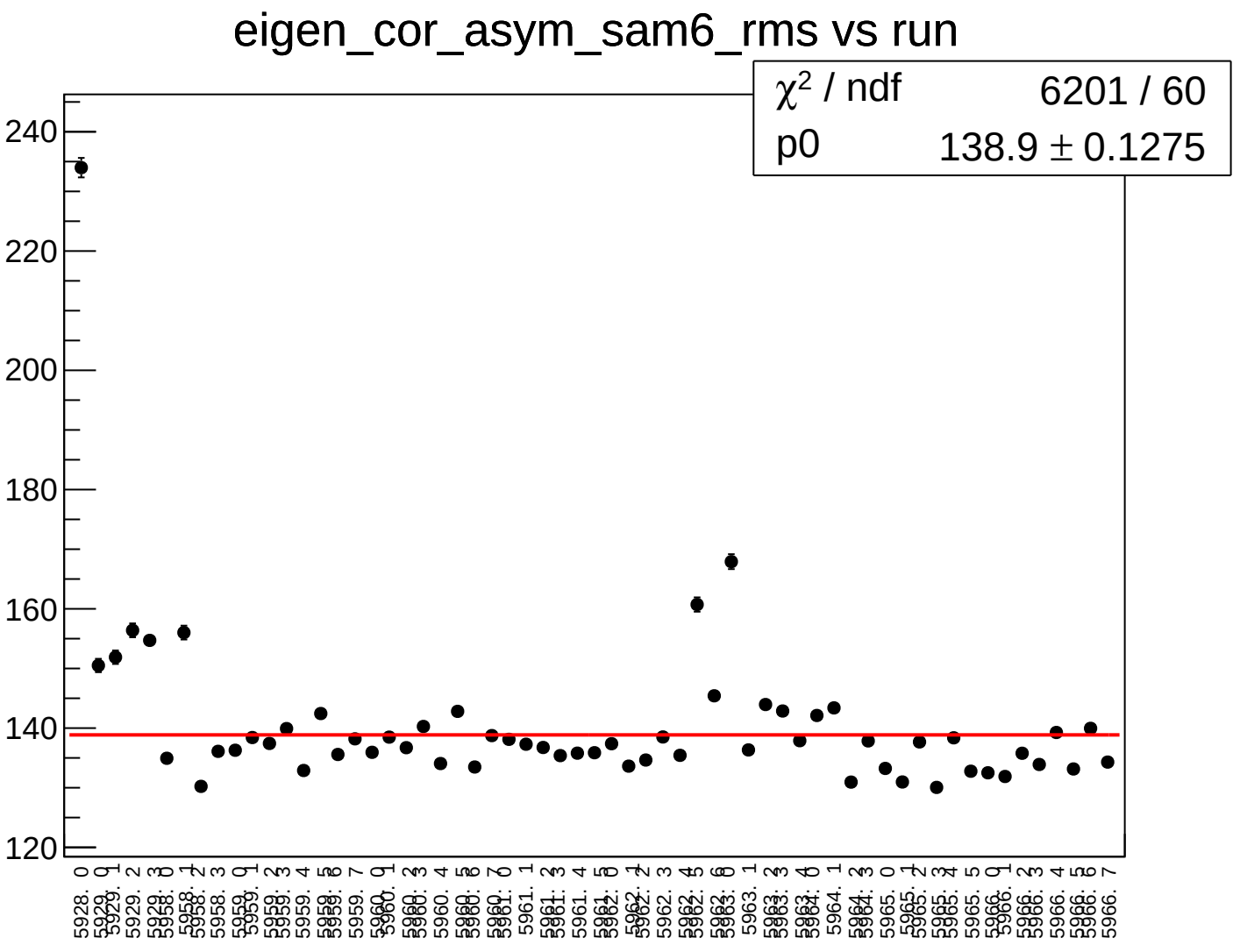

asym_sam6_cor_correction_mean vs run
χ² / ndf 62.96 / 60
p0 1823 ± 1773
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 647.5
Std Dev 0
2
1
0
−1
−2

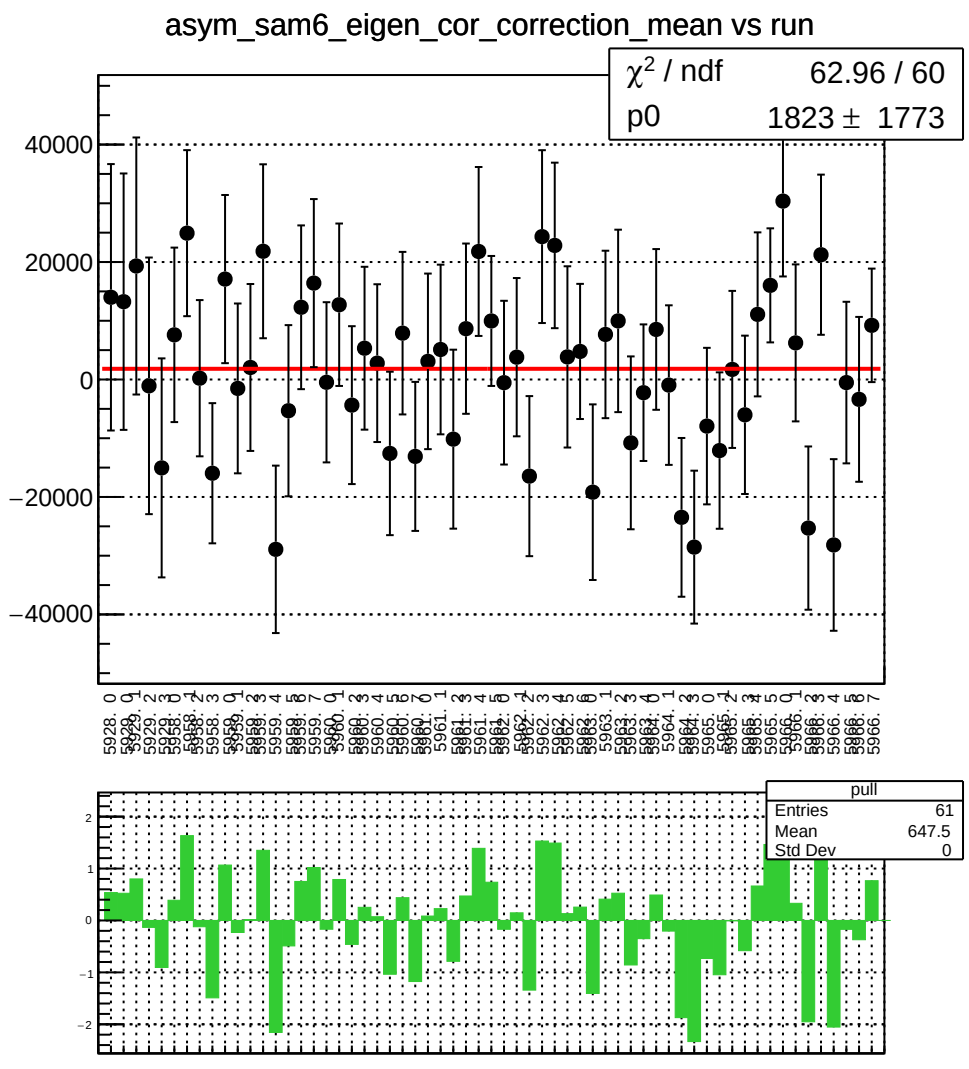

pull1D
Entries 61
Mean −0.003212
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

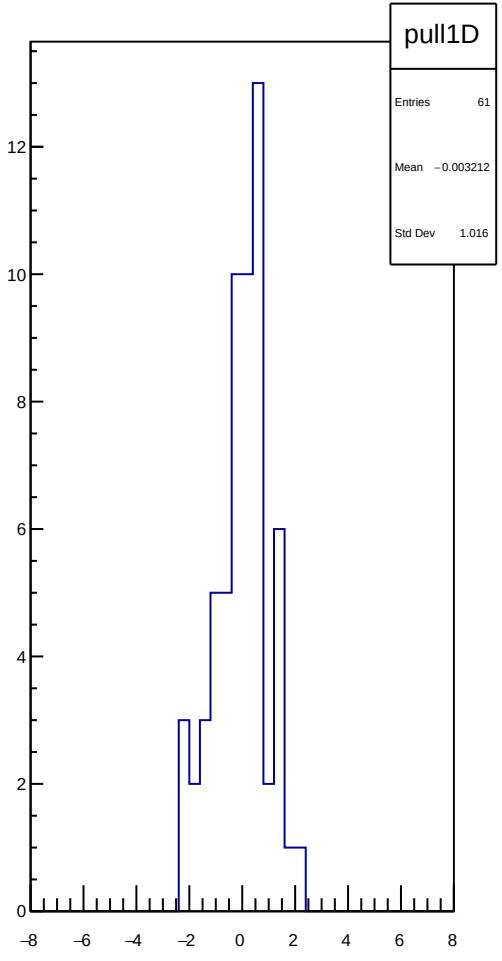

asym_sam6_cor_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1361 ± 1.253
2400
2200
2000
1800
1600
1400
1200

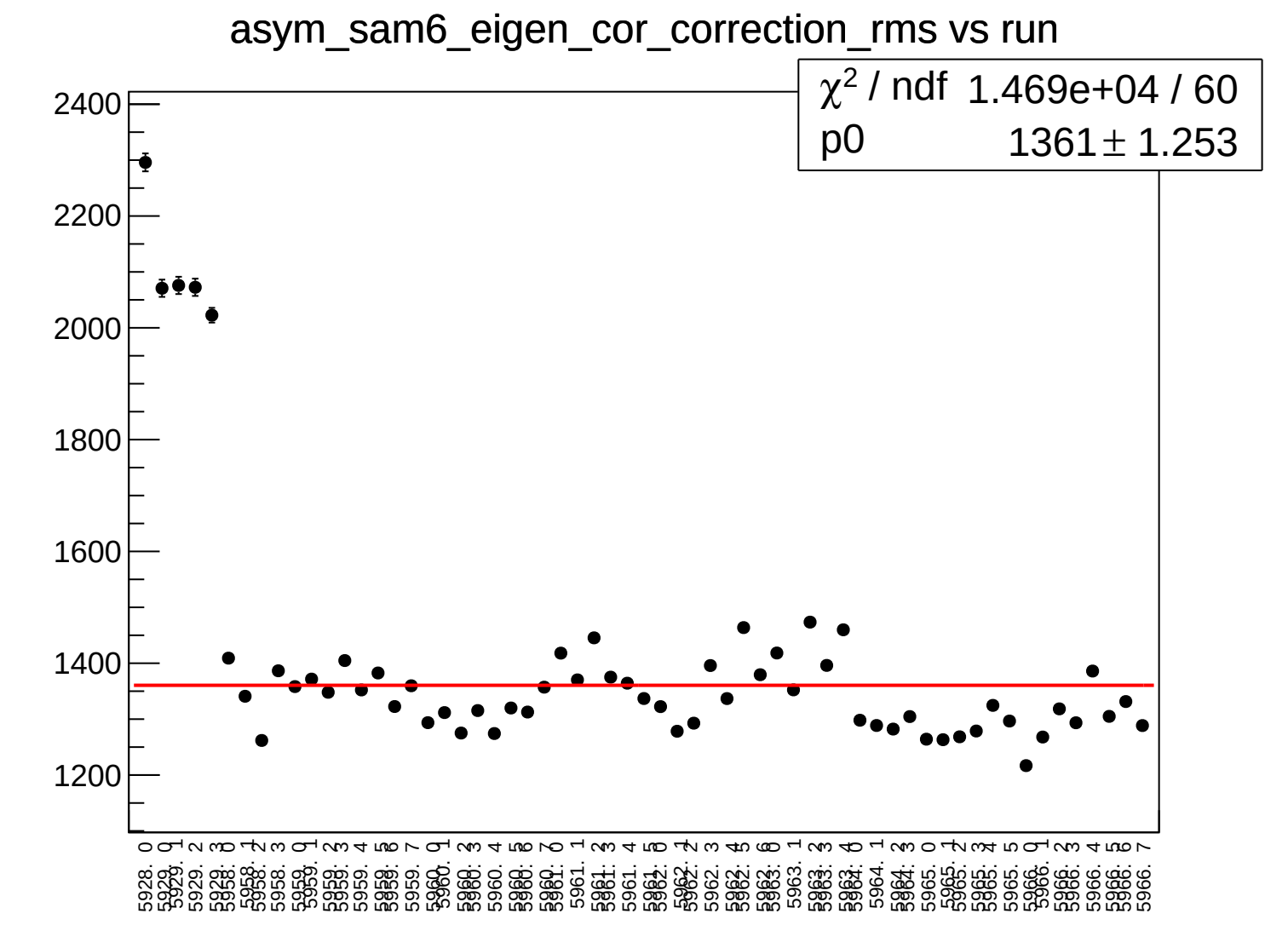

eigen_cor_asym_sam6_mean vs run
χ² / ndf 46.05 / 60
p0 80.61 ± 180.3
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

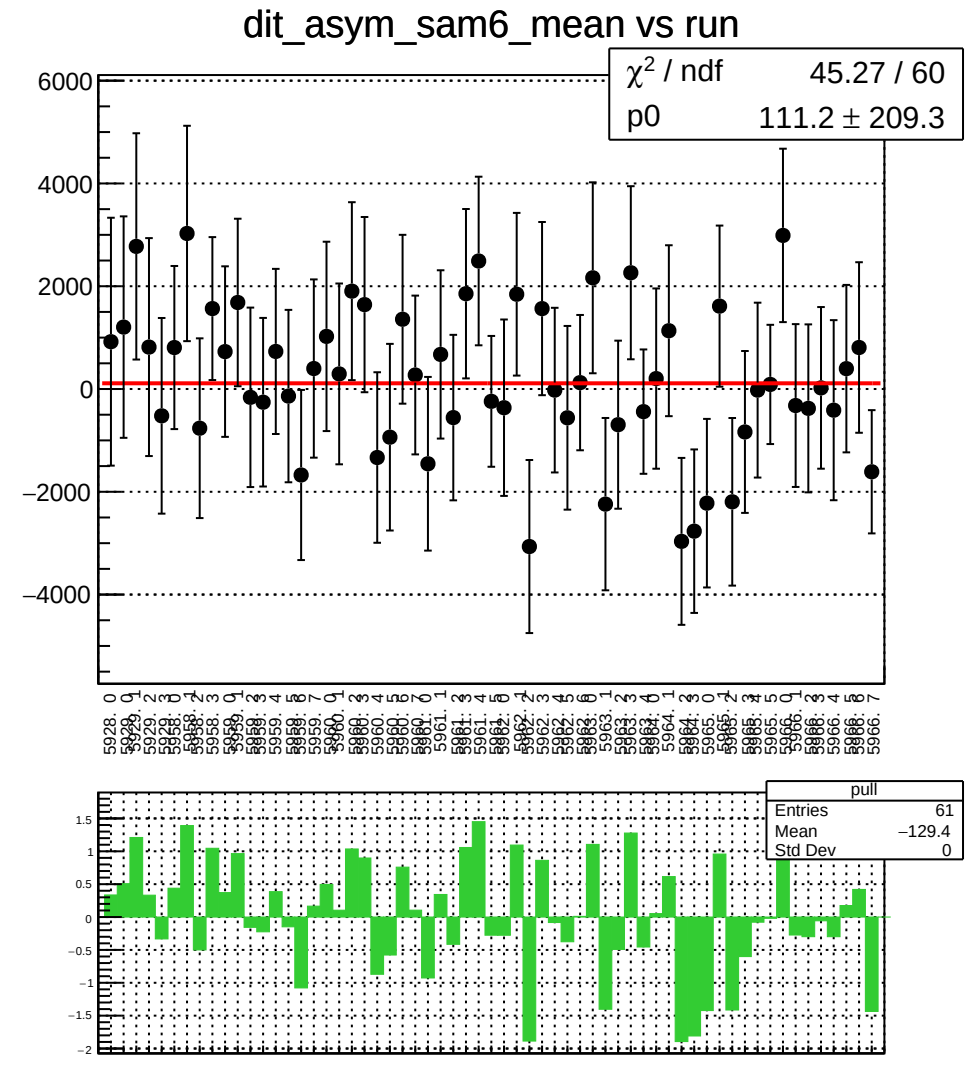

pull1D
Entries 61
Mean 0.02294
Std Dev 0.8685
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

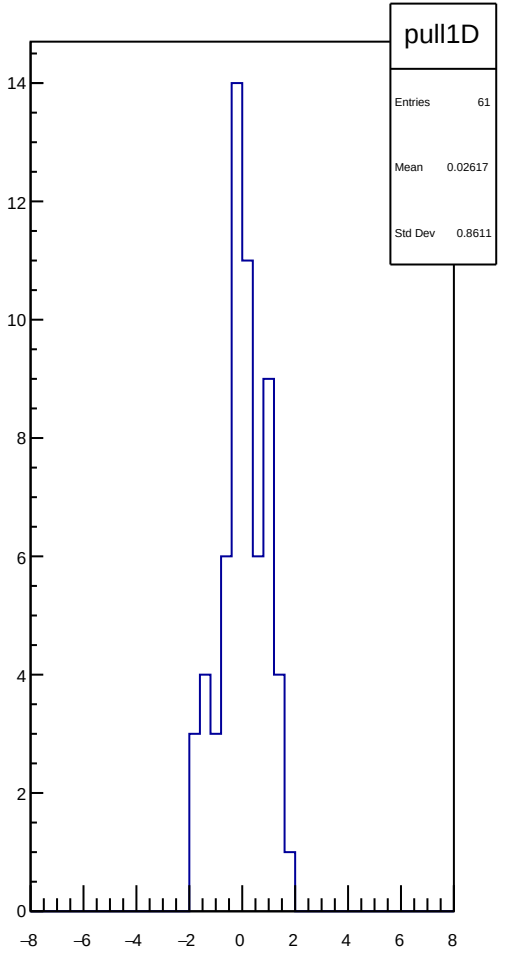

eigen_cor_asym_sam6_rms vs run
χ² / ndf 6201 / 60
p0 138.9 ± 0.1275
240
220
200
180
160
140
120

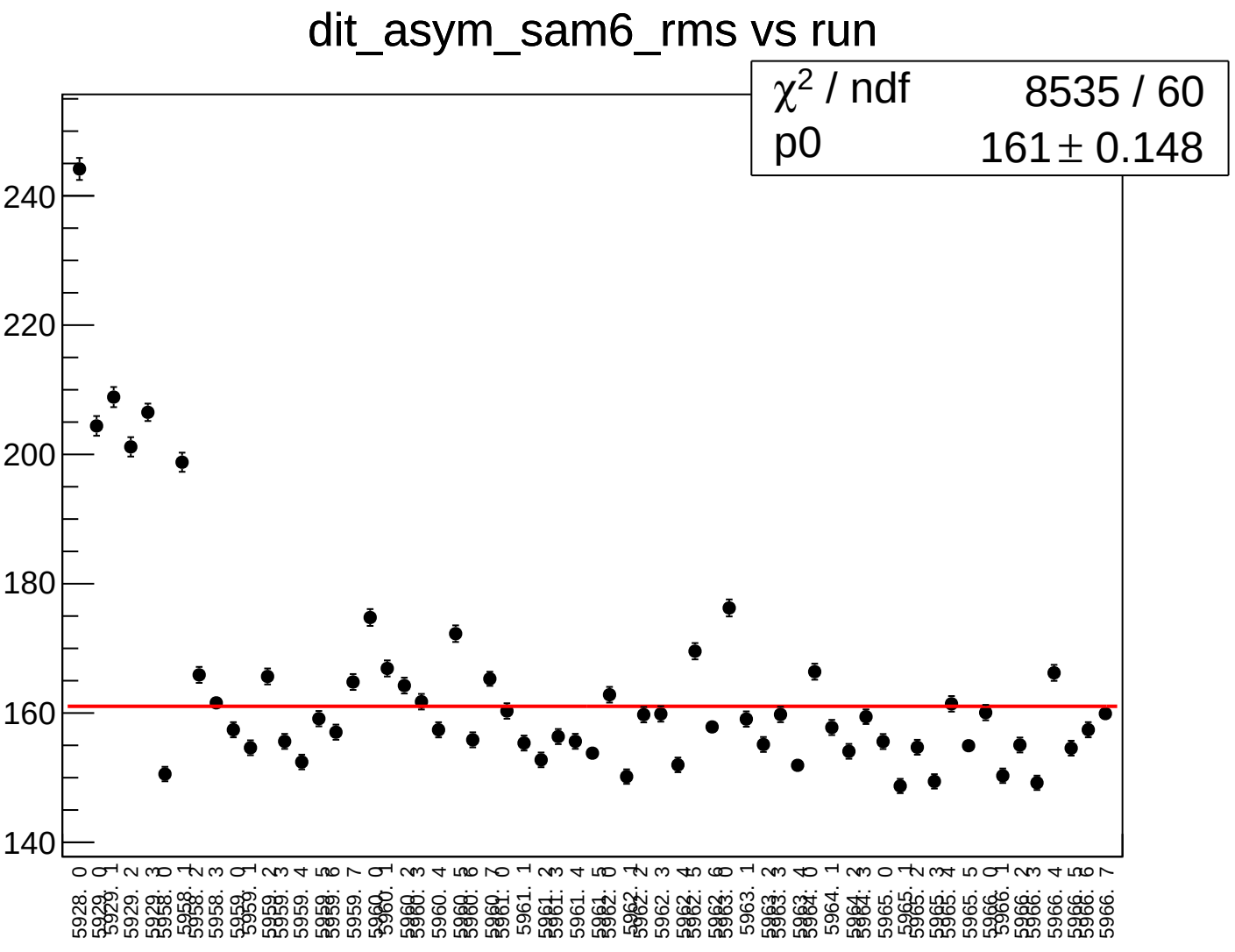

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 62.96 / 60
p0 1823 ± 1773
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 647.5
Std Dev 0
2
1
0
−1
−2

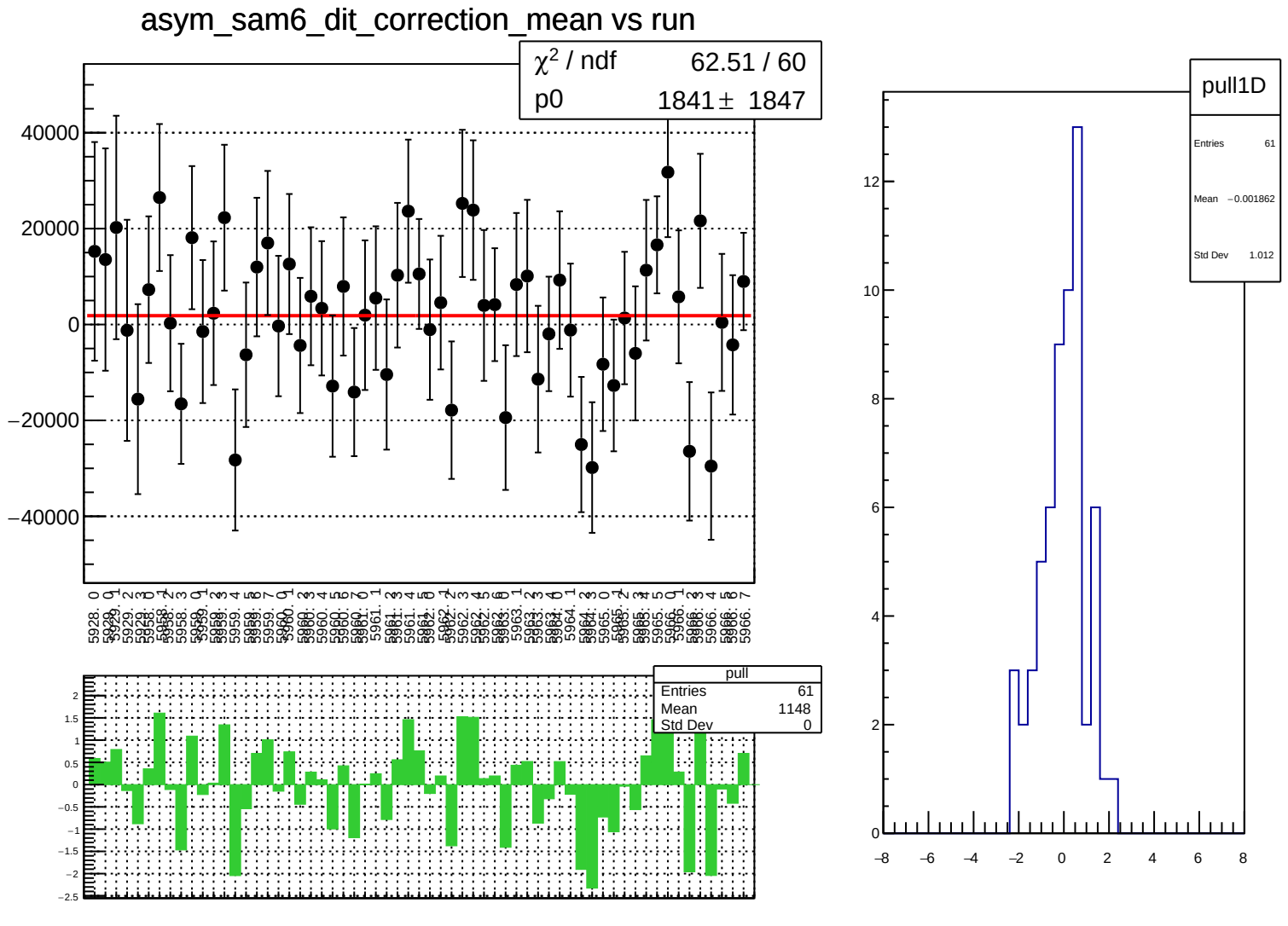

pull1D
Entries 61
Mean −0.003212
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

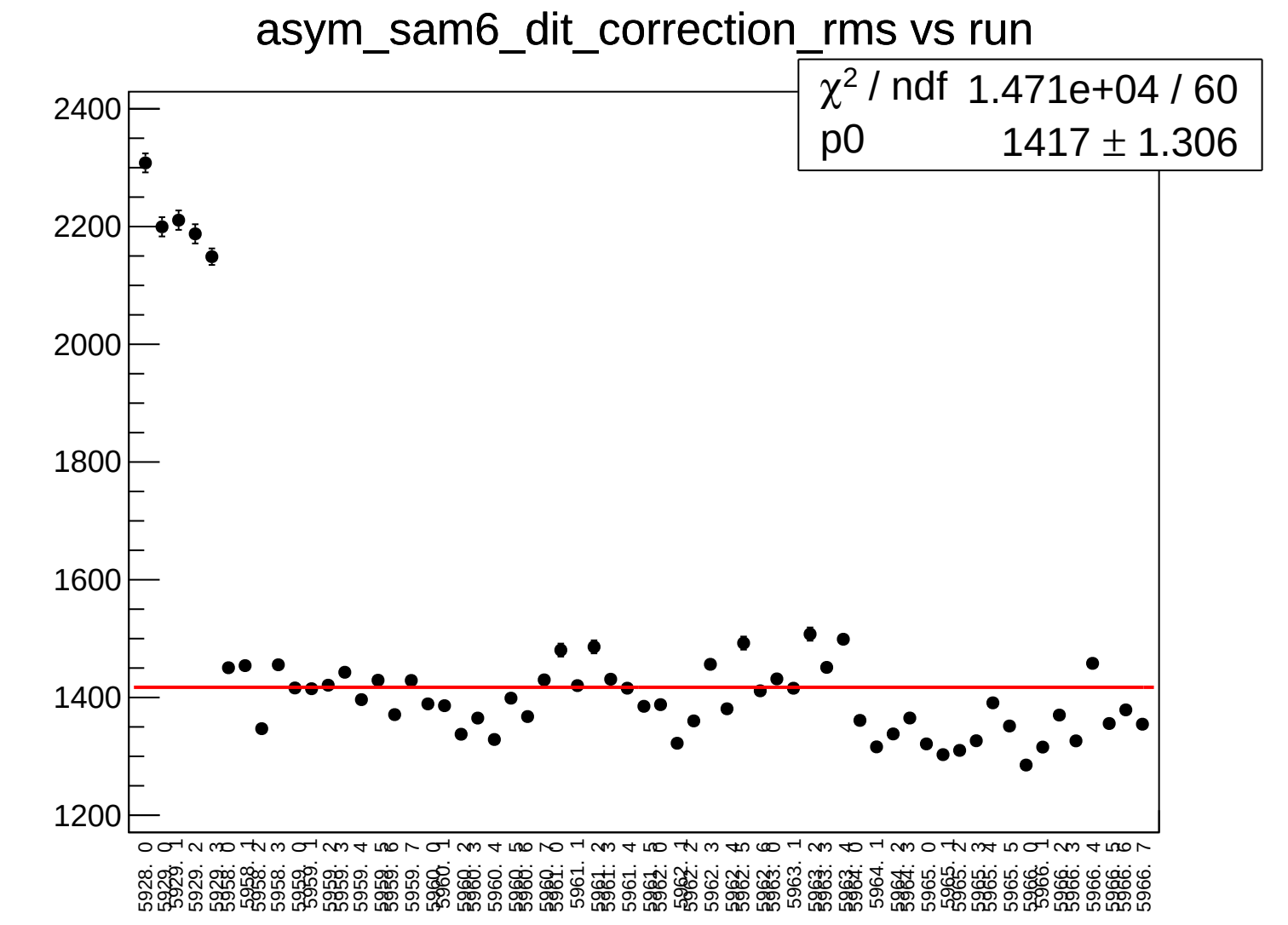

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 1.469e+04 / 60
p0 1361 ± 1.253
2400
2200
2000
1800
1600
1400
1200

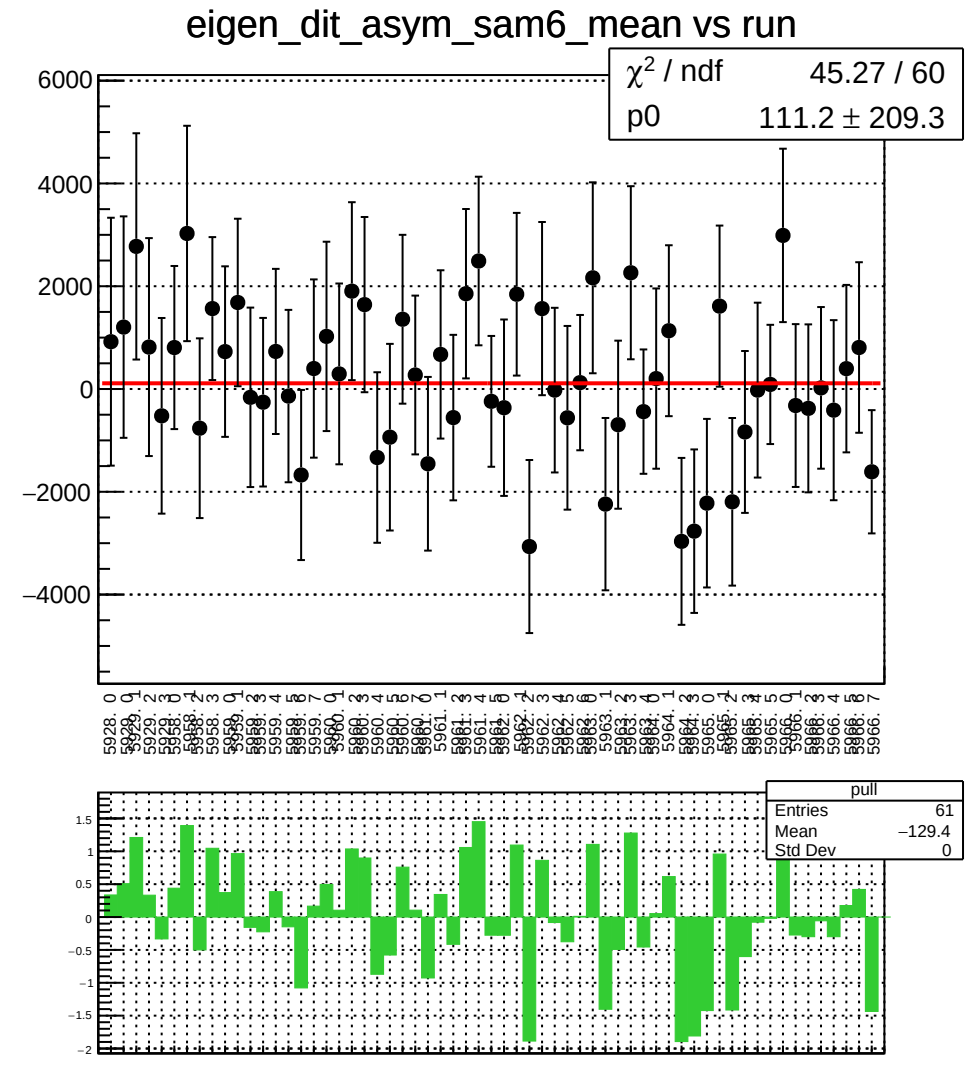

dit_asym_sam6_mean vs run
χ² / ndf 45.27 / 60
p0 111.2 ± 209.3
pull
Entries 61
Mean −129.4
Std Dev 0

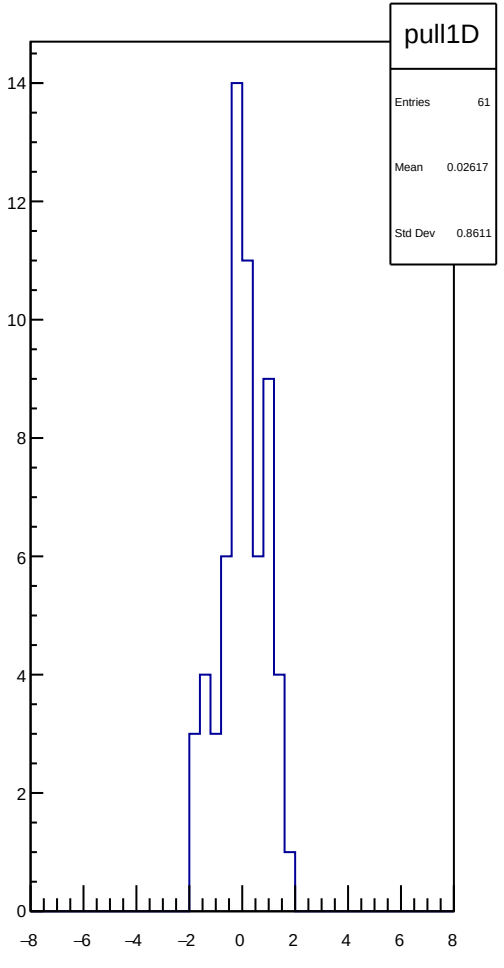

pull1D
Entries 61
Mean 0.02617
Std Dev 0.8611

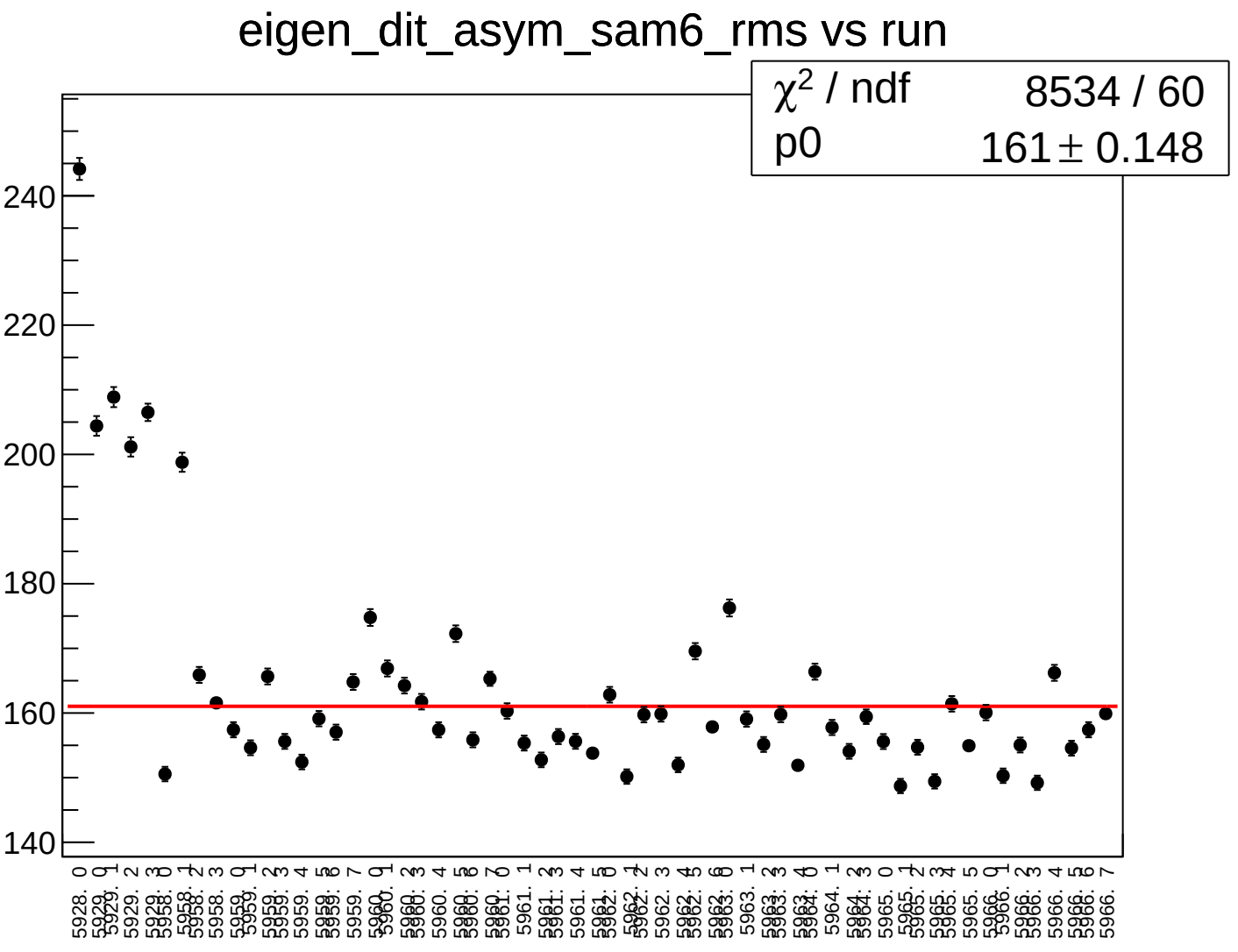

dit_asym_sam6_rms vs run
χ² / ndf 8535 / 60
p0 161 ± 0.148
240
220
200
180
160
140

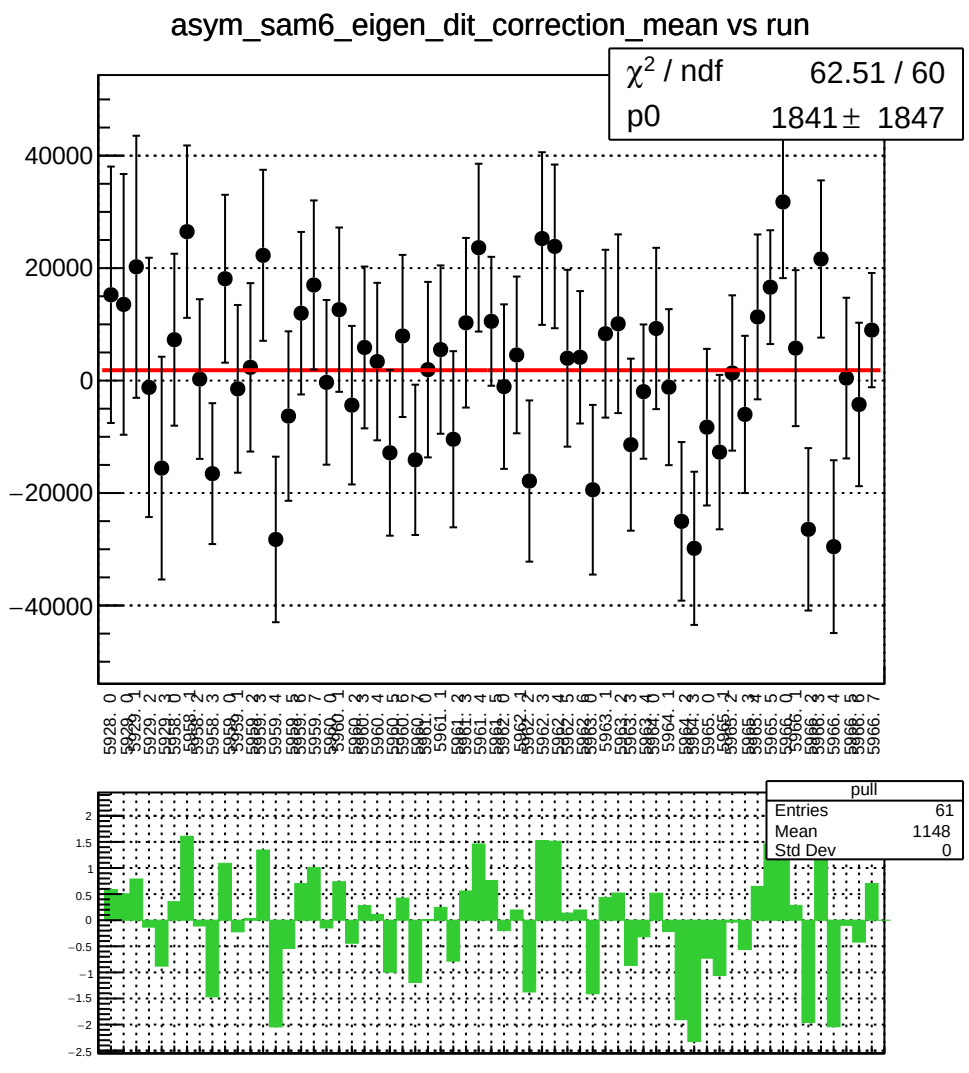

asym_sam6_dit_correction_mean vs run
χ² / ndf 62.51 / 60
p0 1841 ± 1847
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 1148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 61
Mean −0.001862
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

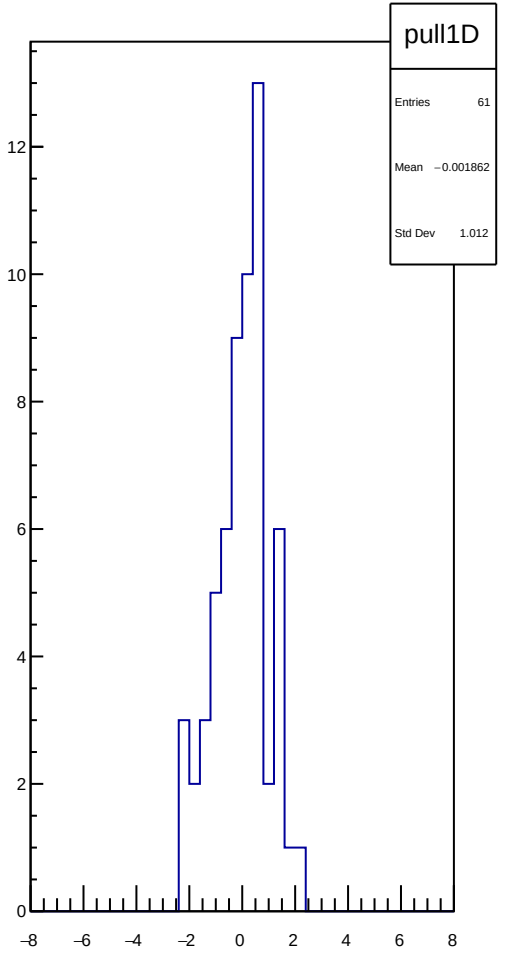

asym_sam6_dit_correction_rms vs run
χ² / ndf 1.471e+04 / 60
p0 1417 ± 1.306
2400
2200
2000
1800
1600
1400
1200

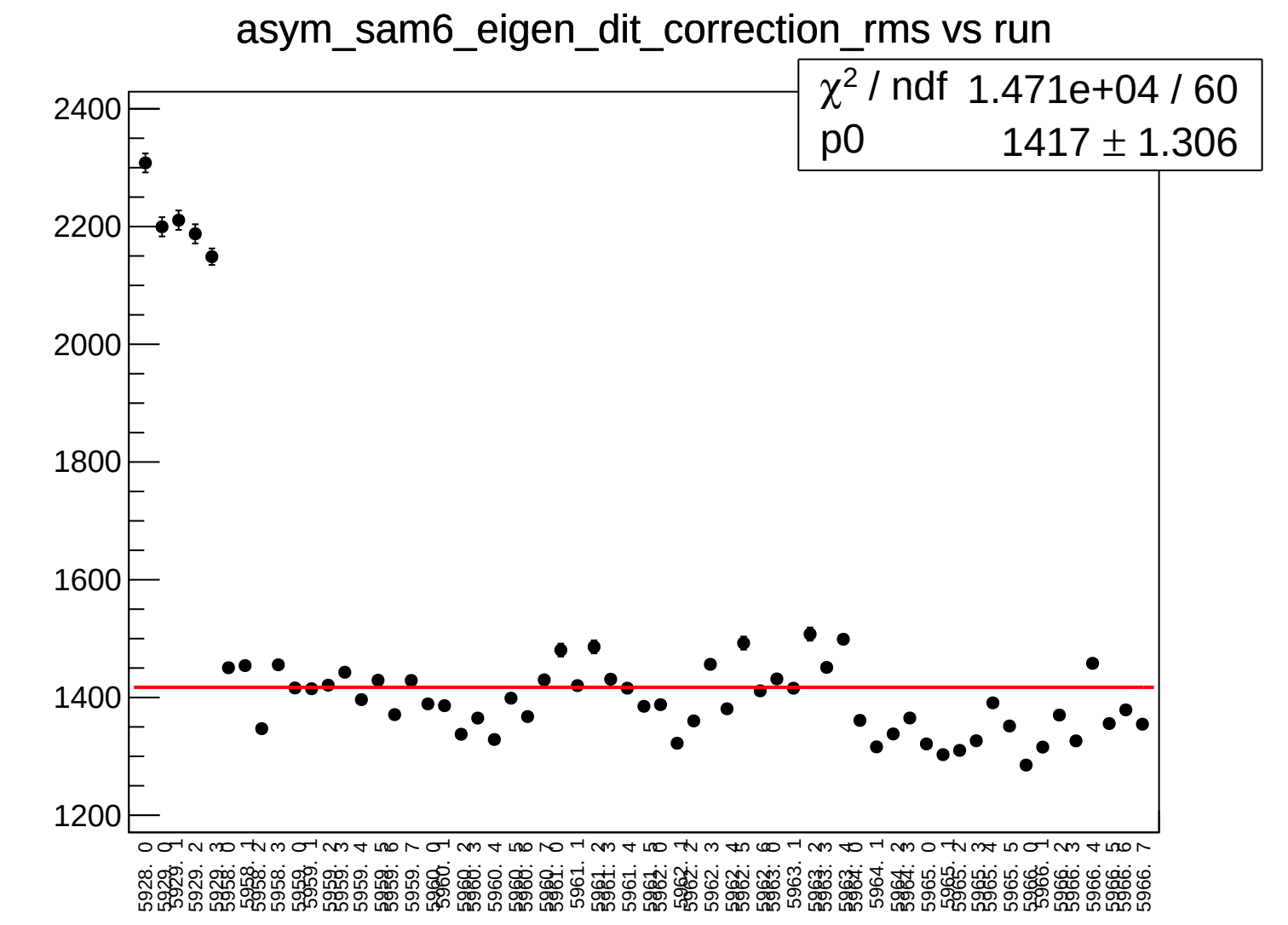

eigen_dit_asym_sam6_mean vs run
χ² / ndf 45.27 / 60
p0 111.2 ± 209.3
pull
Entries 61
Mean −129.4
Std Dev 0

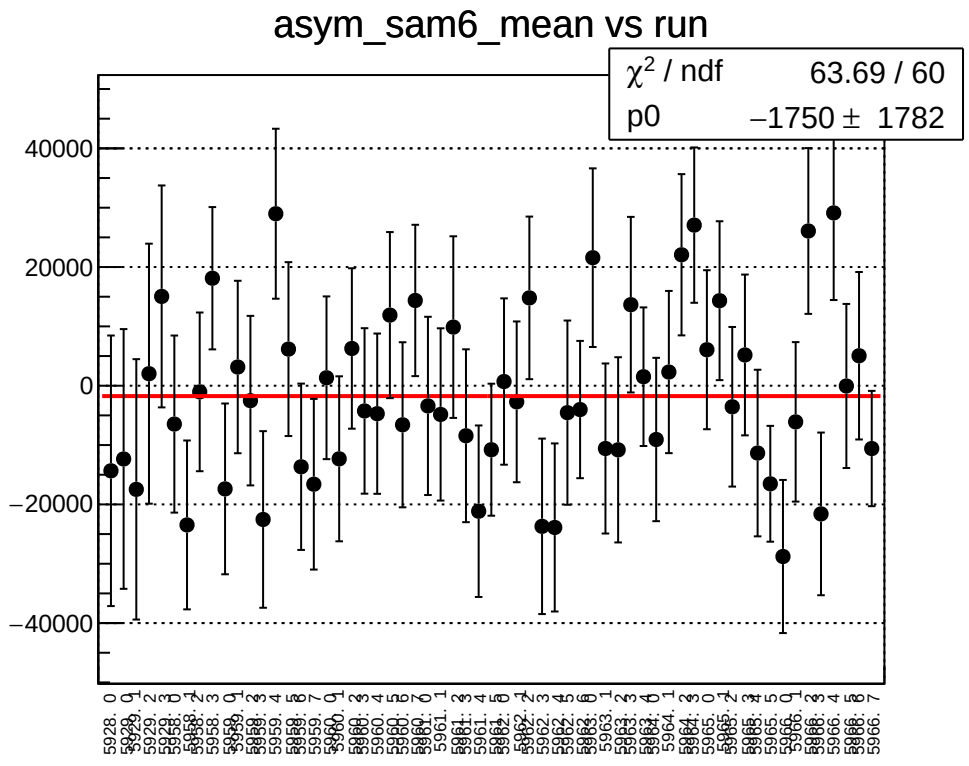

pull1D
Entries 61
Mean 0.02617
Std Dev 0.8611

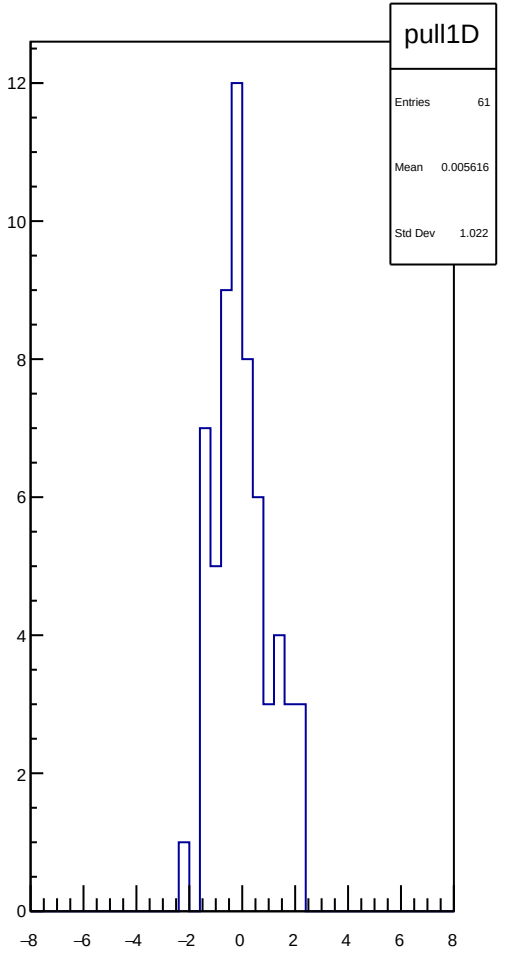

eigen_dit_asym_sam6_rms vs run
χ² / ndf 8534 / 60
p0 161 ± 0.148
240
220
200
180
160
140

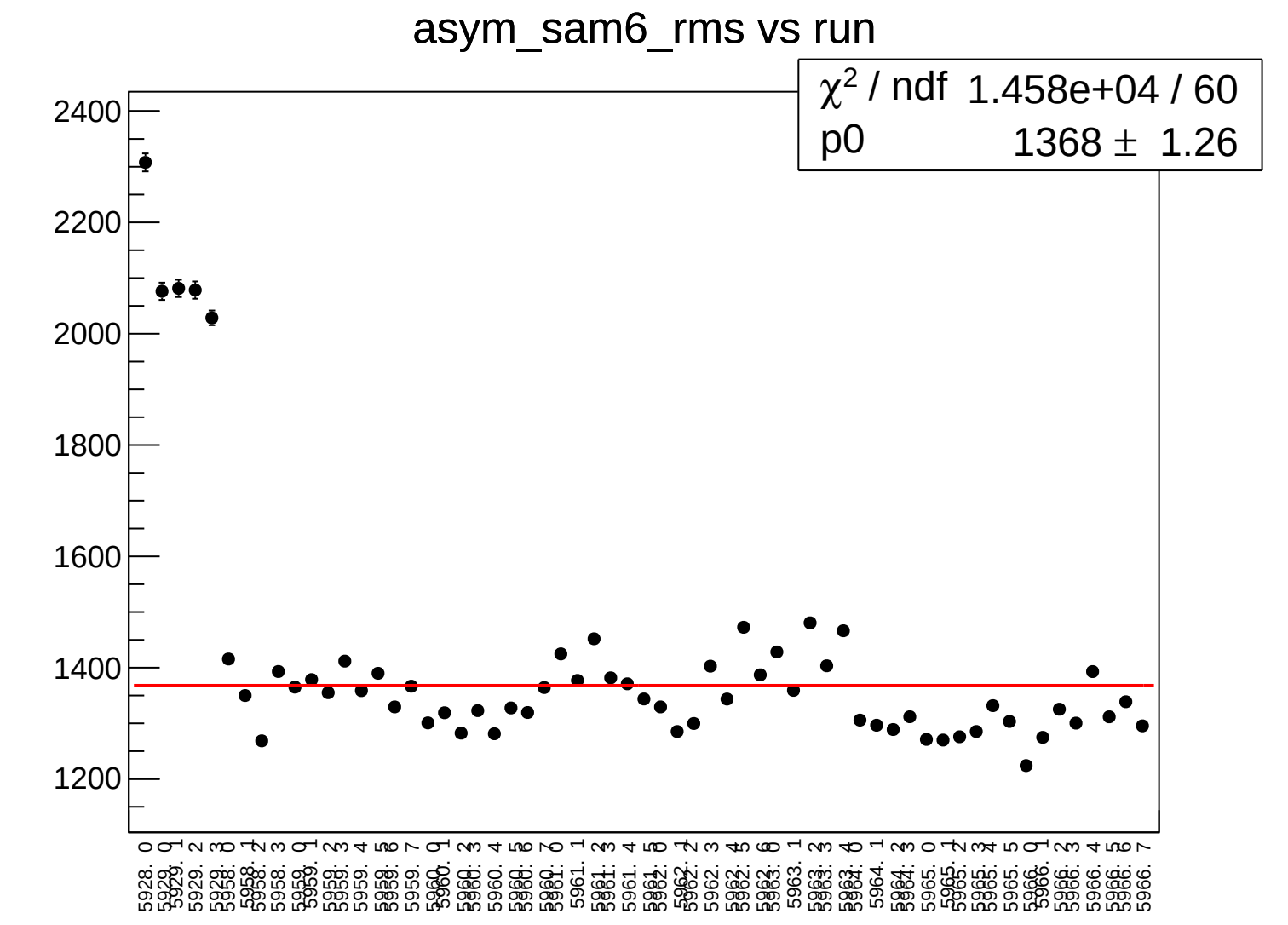

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 62.51 / 60
p0 1841 ± 1847
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 1148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

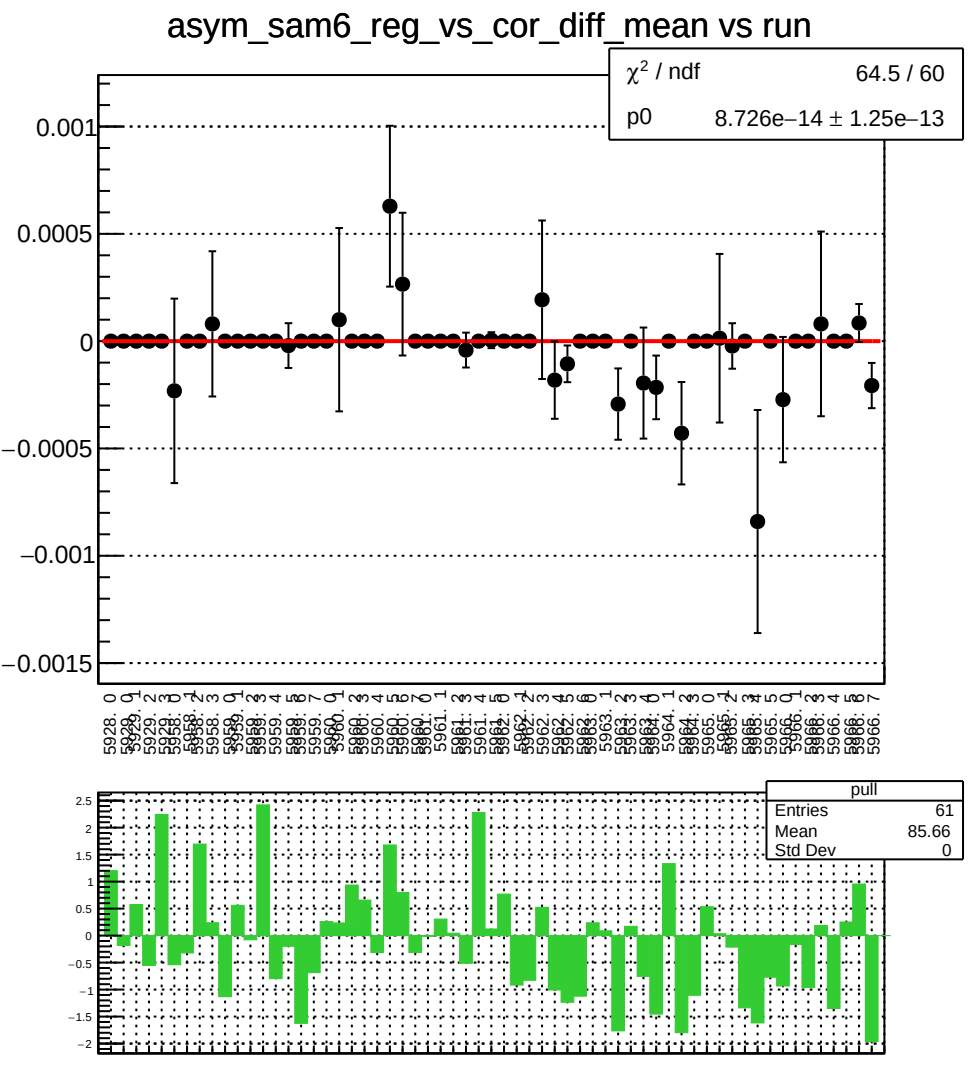

pull1D
Entries 61
Mean −0.001862
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

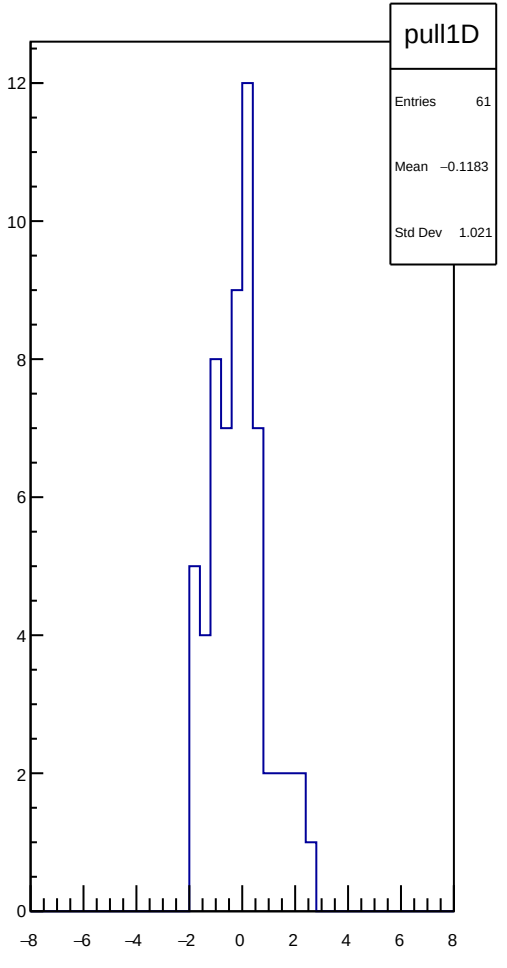

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 1.471e+04 / 60
p0 1417 ± 1.306
2400
2200
2000
1800
1600
1400
1200

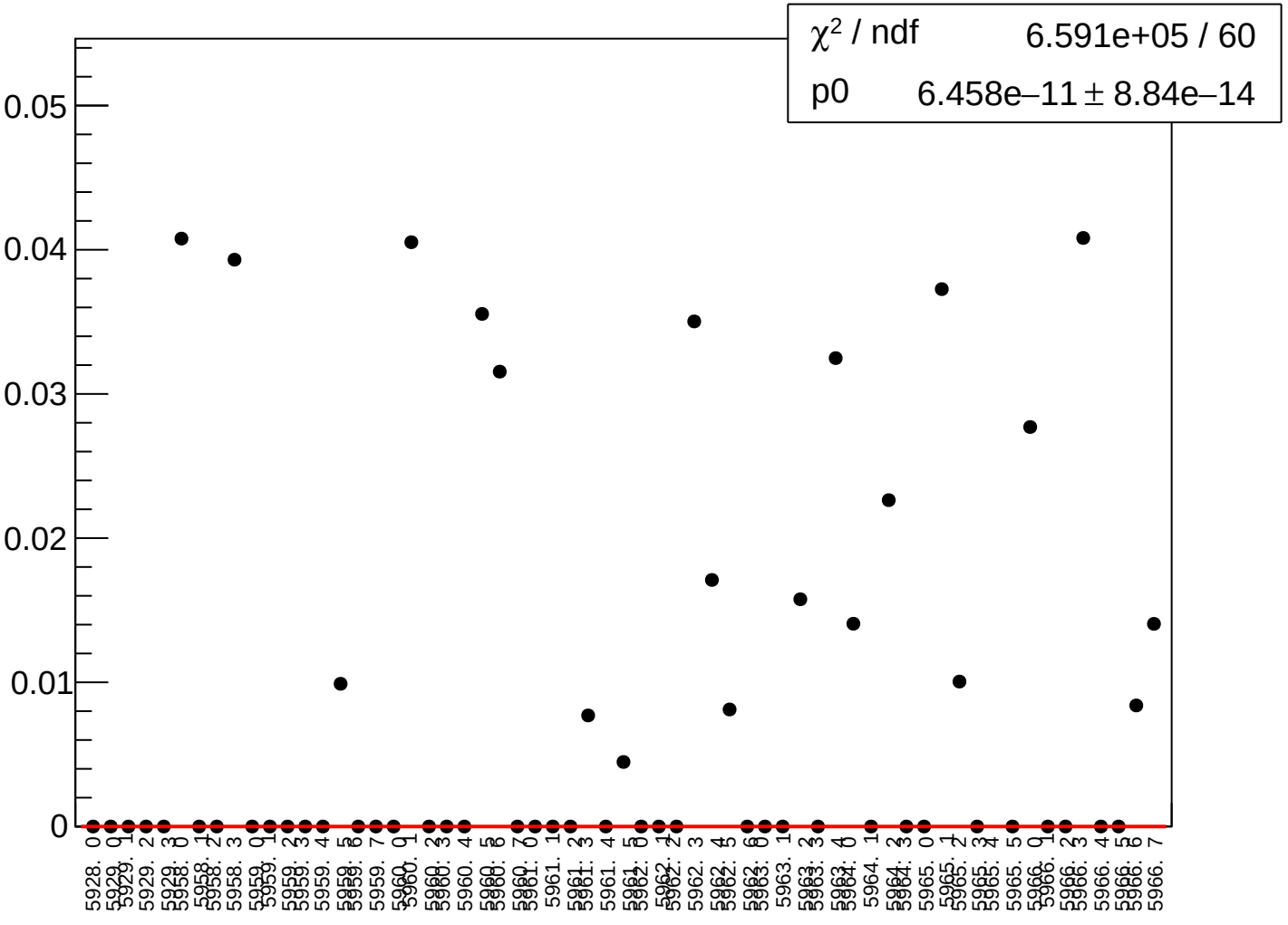

asym_sam6_mean vs run
χ² / ndf 63.69 / 60
p0 −1750 ± 1782
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 329.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

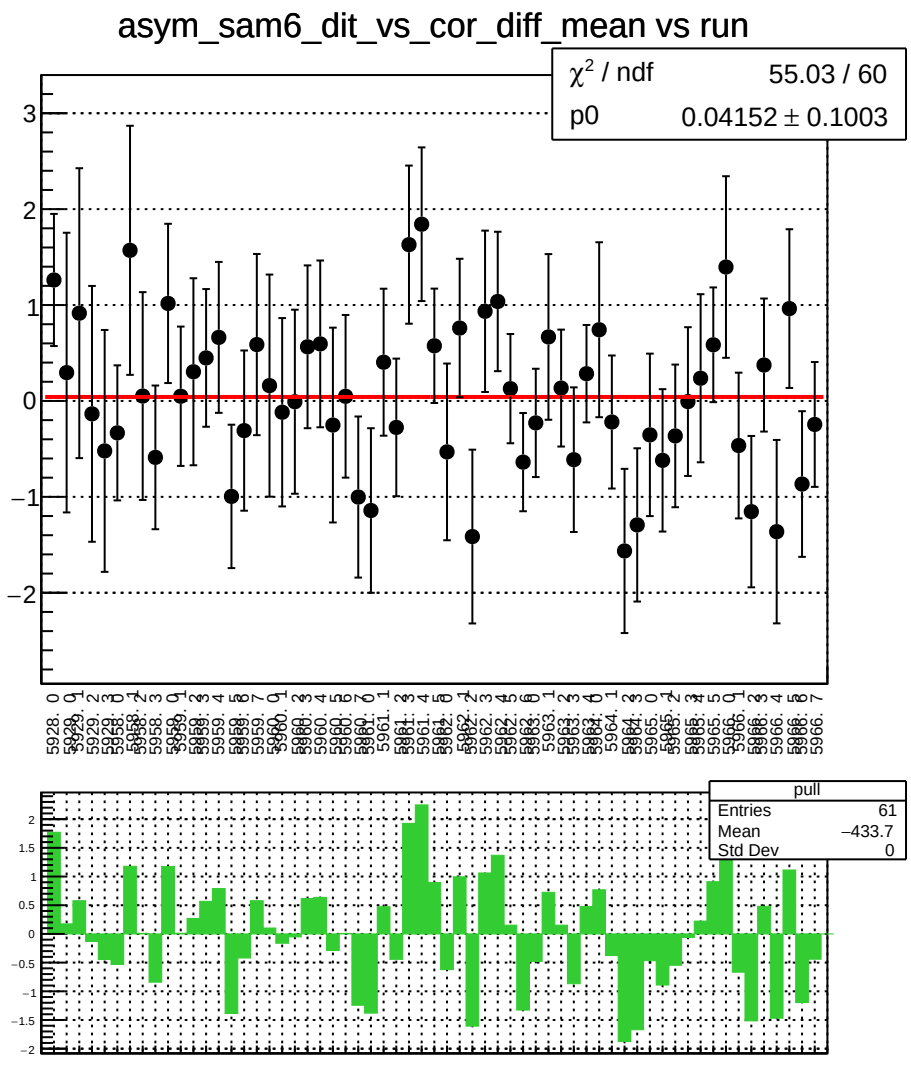

pull1D
Entries 61
Mean 0.005616
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

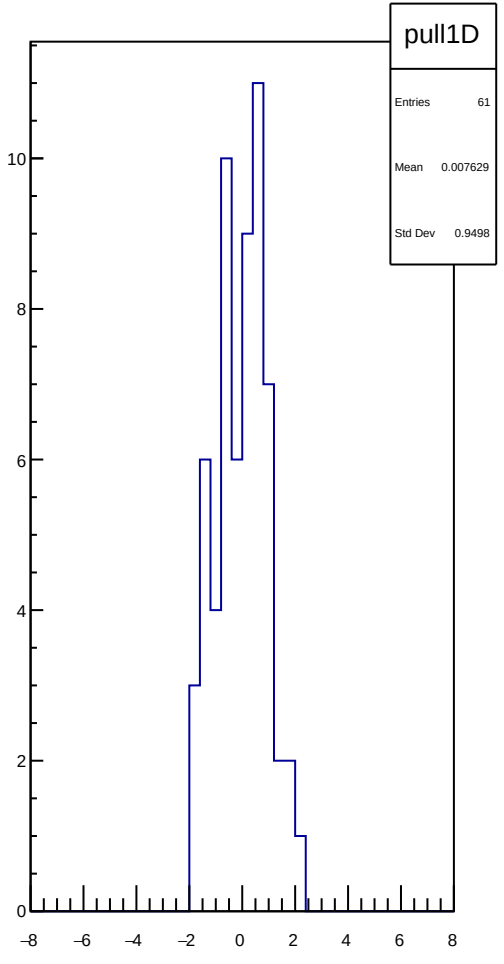

asym_sam6_rms vs run
χ² / ndf 1.458e+04 / 60
p0 1368 ± 1.26
2400
2200
2000
1800
1600
1400
1200

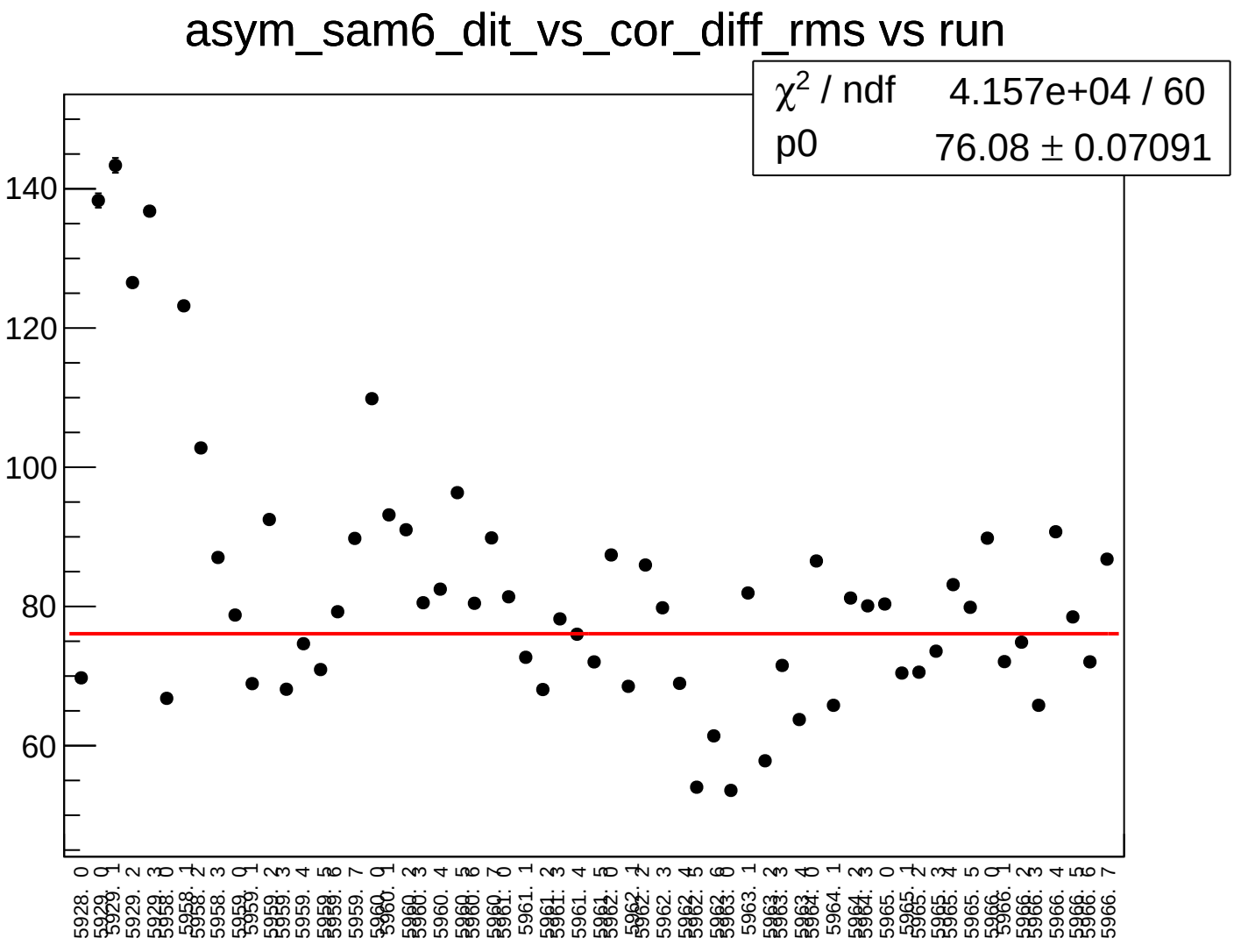

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 64.5 / 60
p0 8.726e−14 ± 1.25e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 85.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

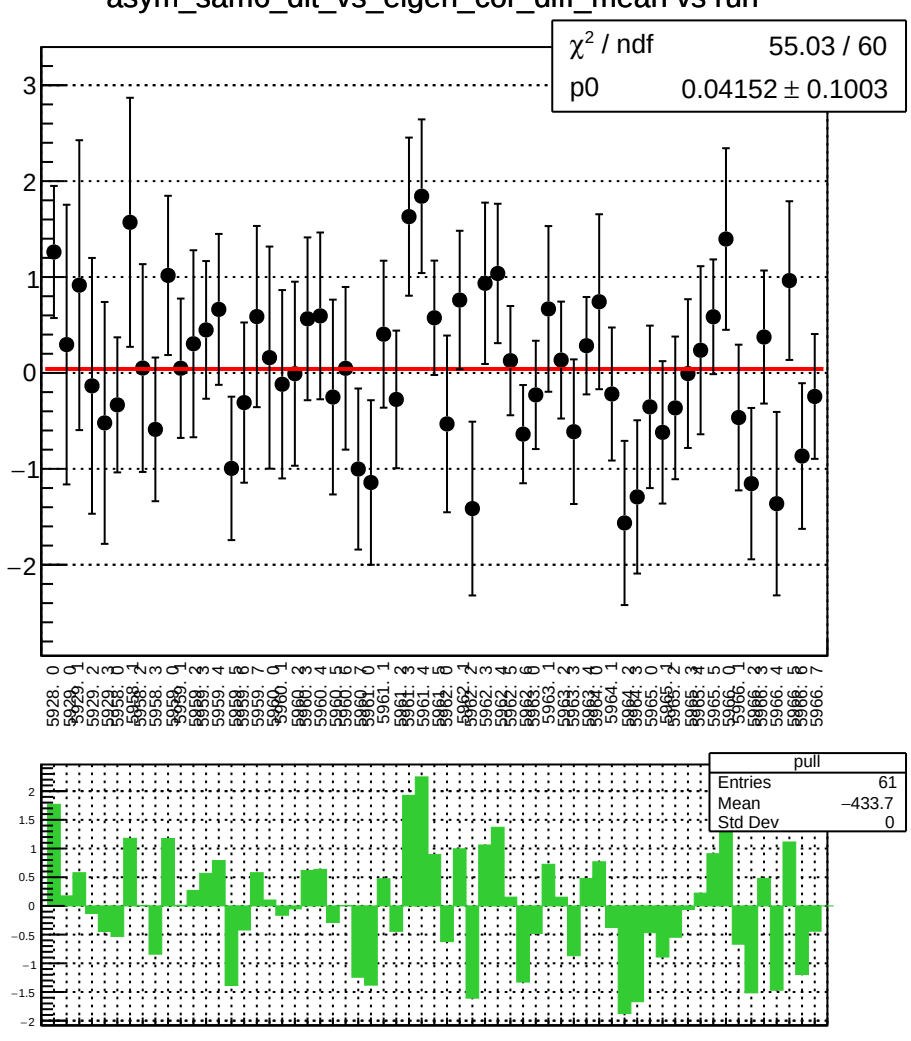

pull1D
Entries 61
Mean −0.1183
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

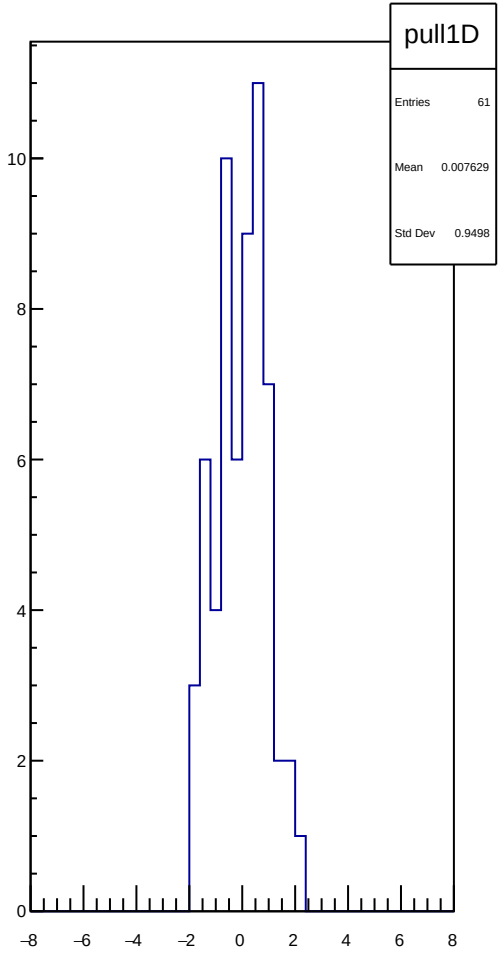

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 6.591e+05 / 60
p0 6.458e−11 ± 8.84e−14
0.05
0.04
0.03
0.02
0.01
0

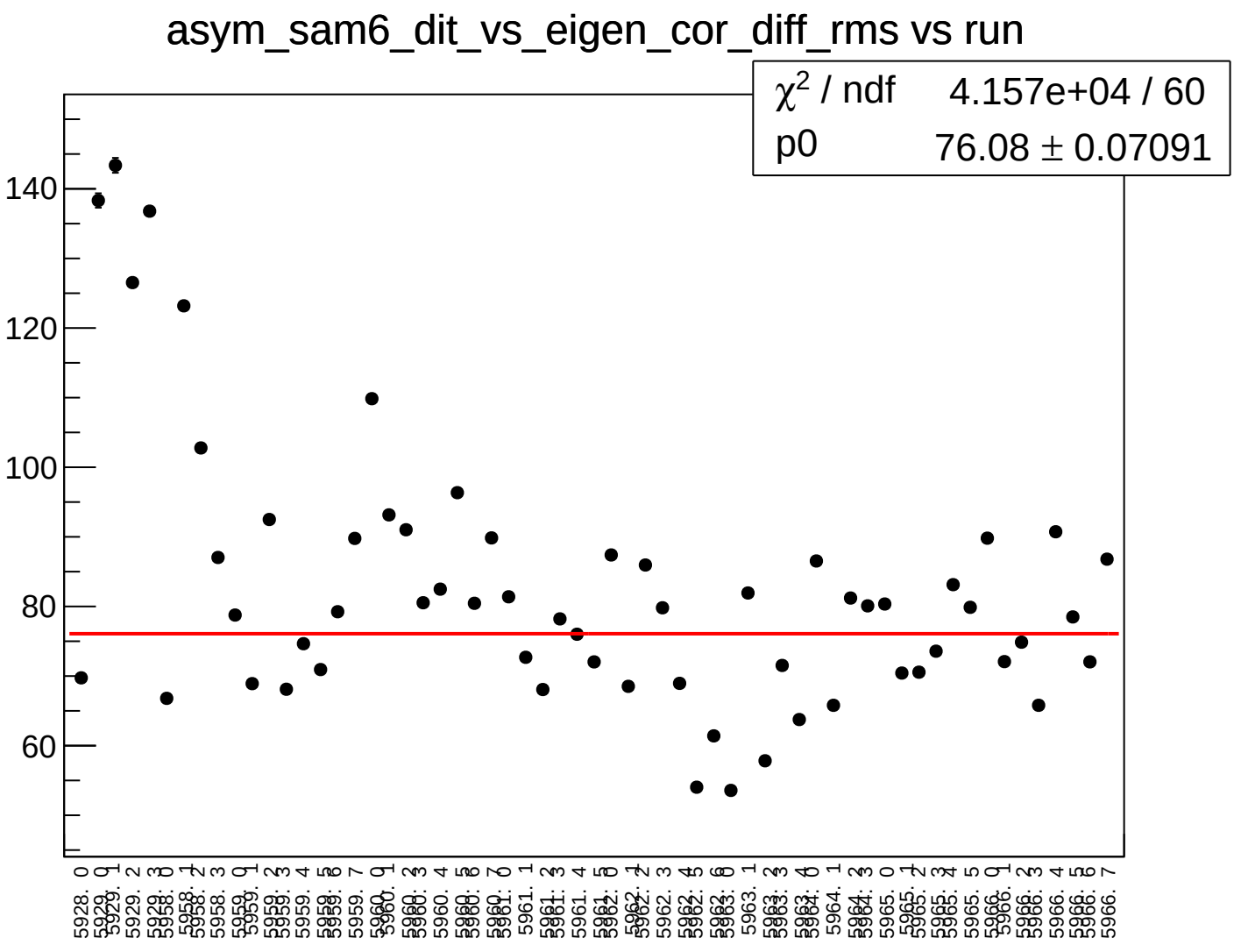

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 55.03 / 60
p0 0.04152 ± 0.1003
pull
Entries 61
Mean −433.7
Std Dev 0

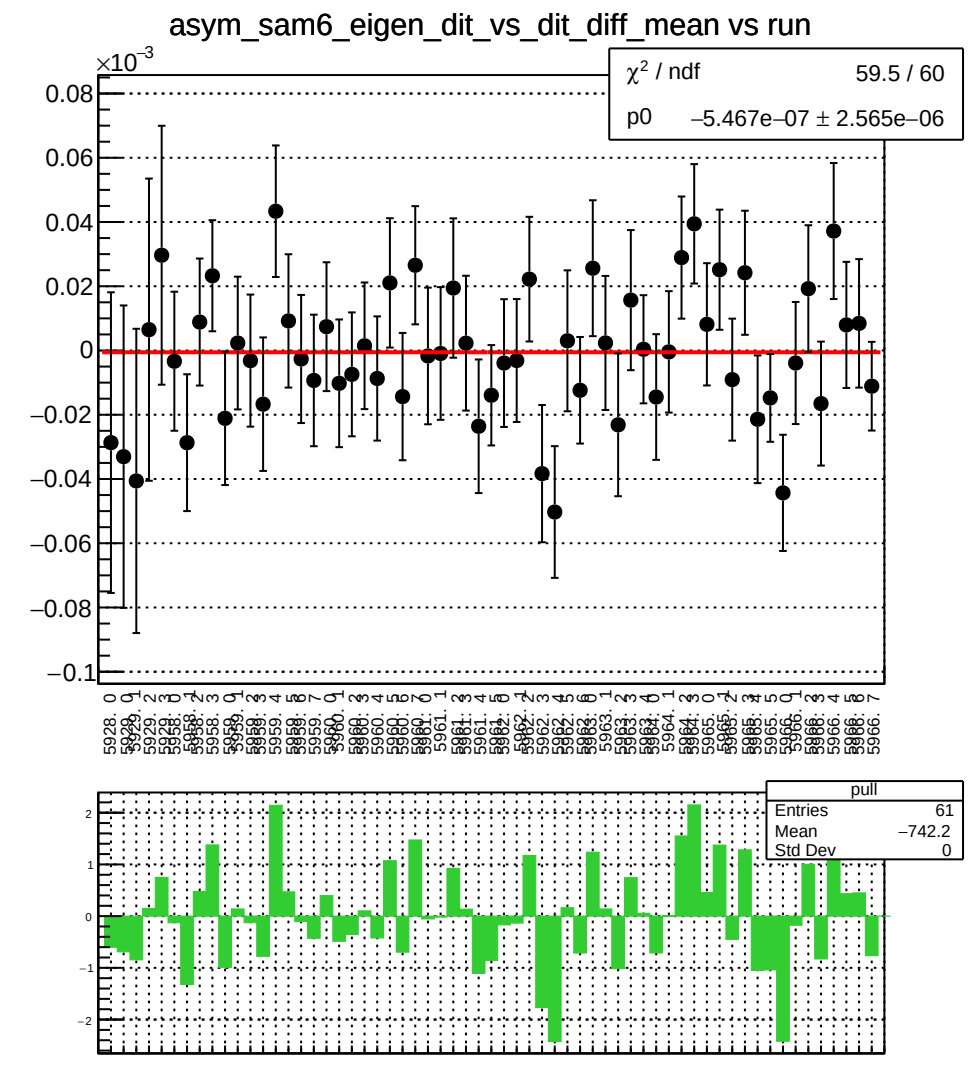

pull1D
Entries 61
Mean 0.007629
Std Dev 0.9498

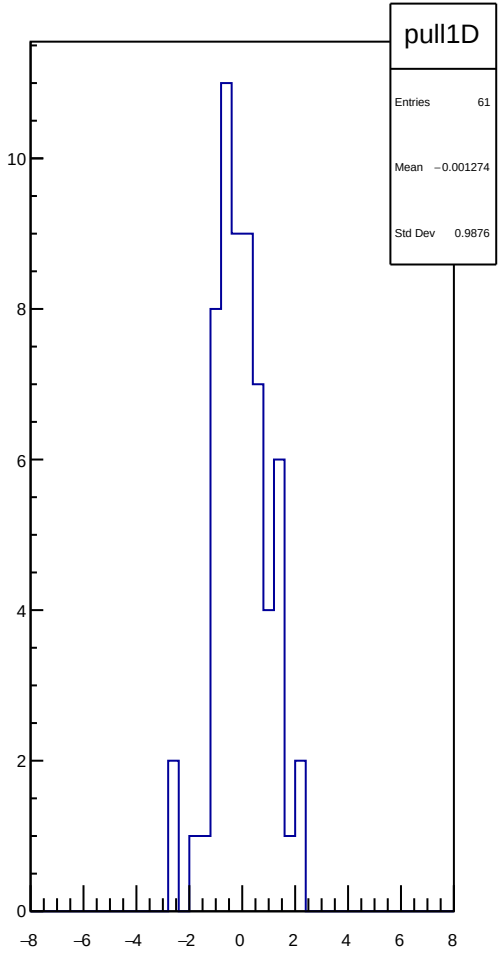

asym_sam6_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.157e+04 / 60
p0 76.08 ± 0.07091
140
120
100
80
60

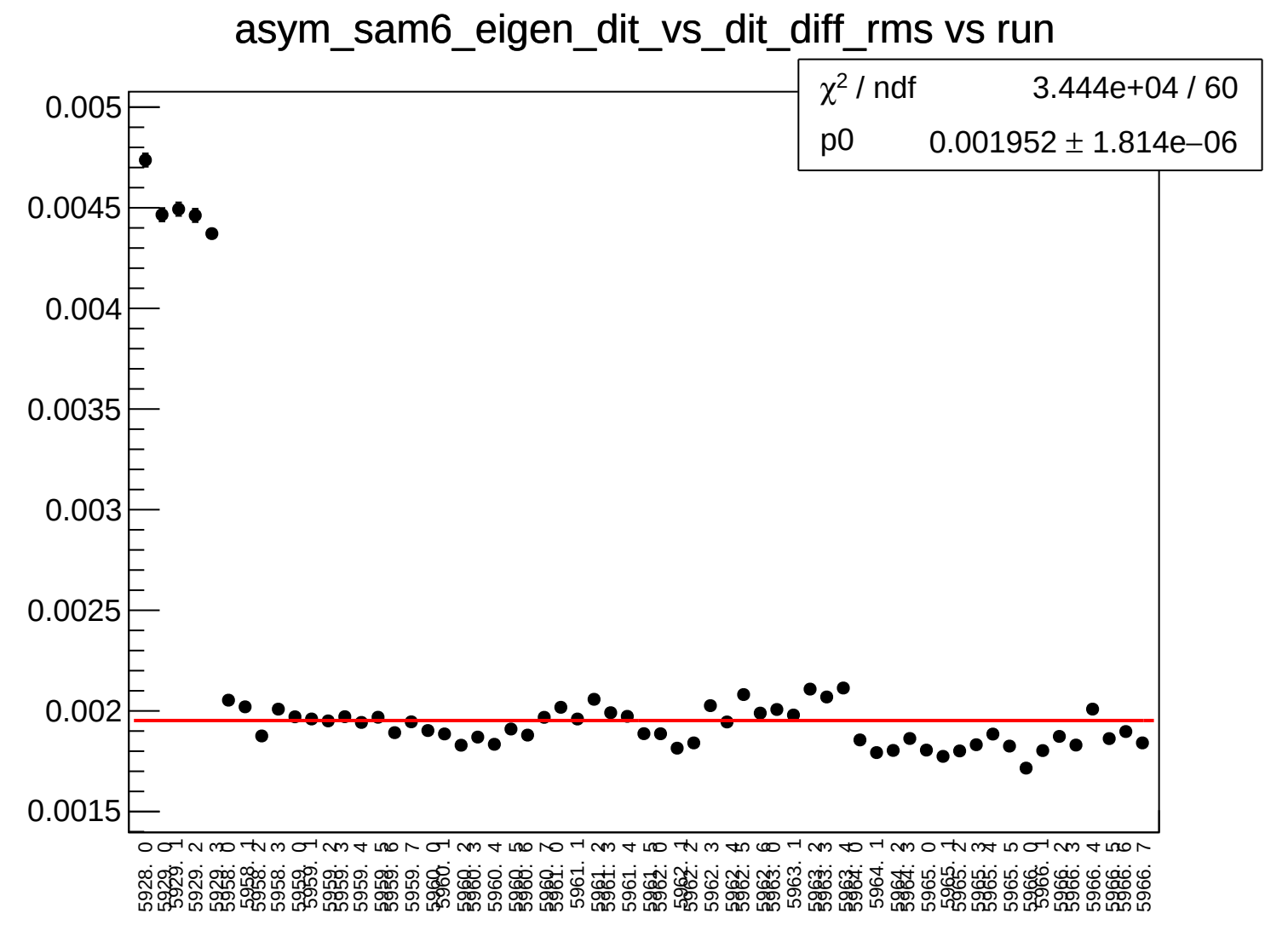

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.03 / 60
p0 0.04152 ± 0.1003
pull
Entries 61
Mean −433.7
Std Dev 0

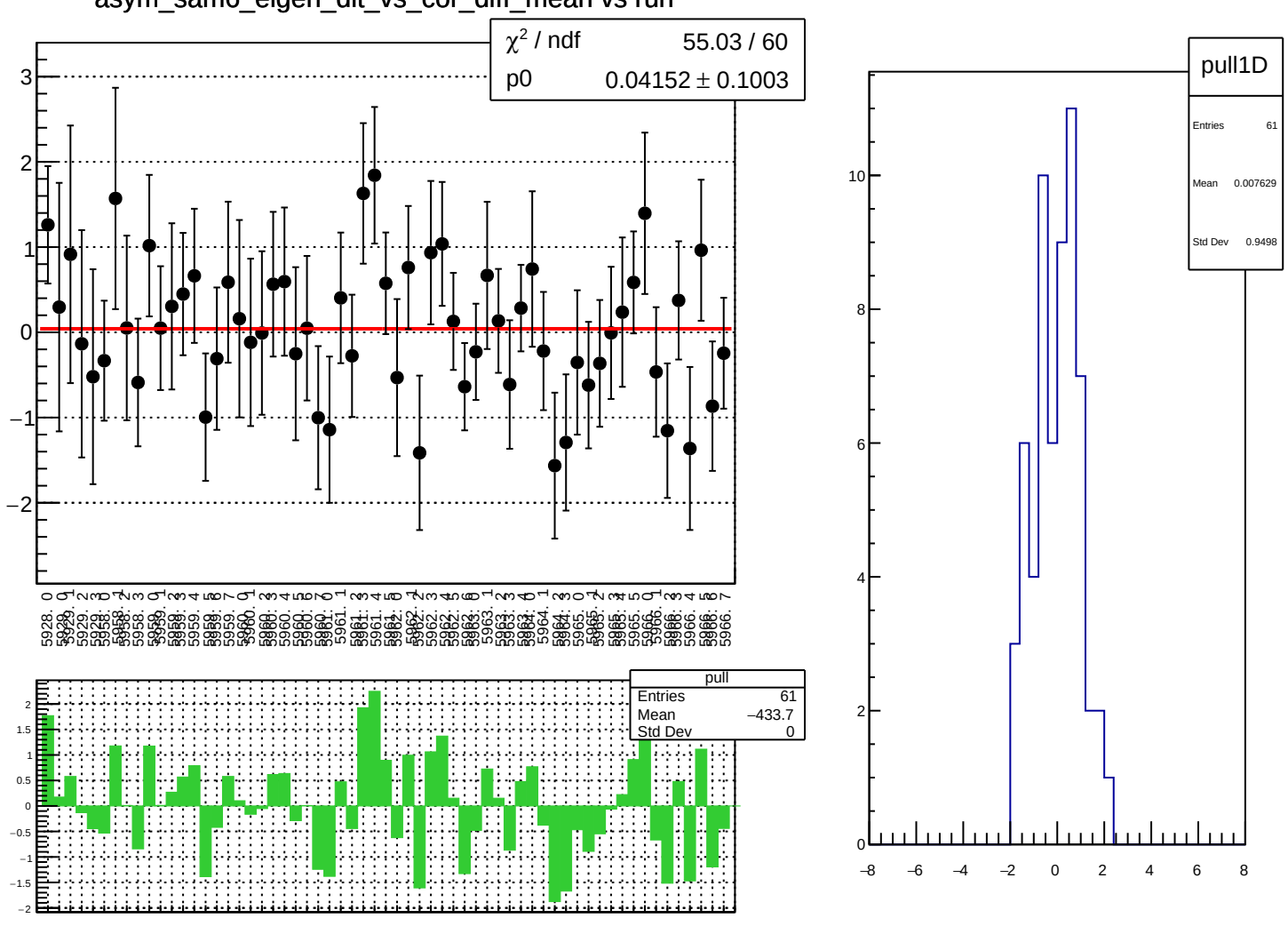

pull1D
Entries 61
Mean 0.007629
Std Dev 0.9498

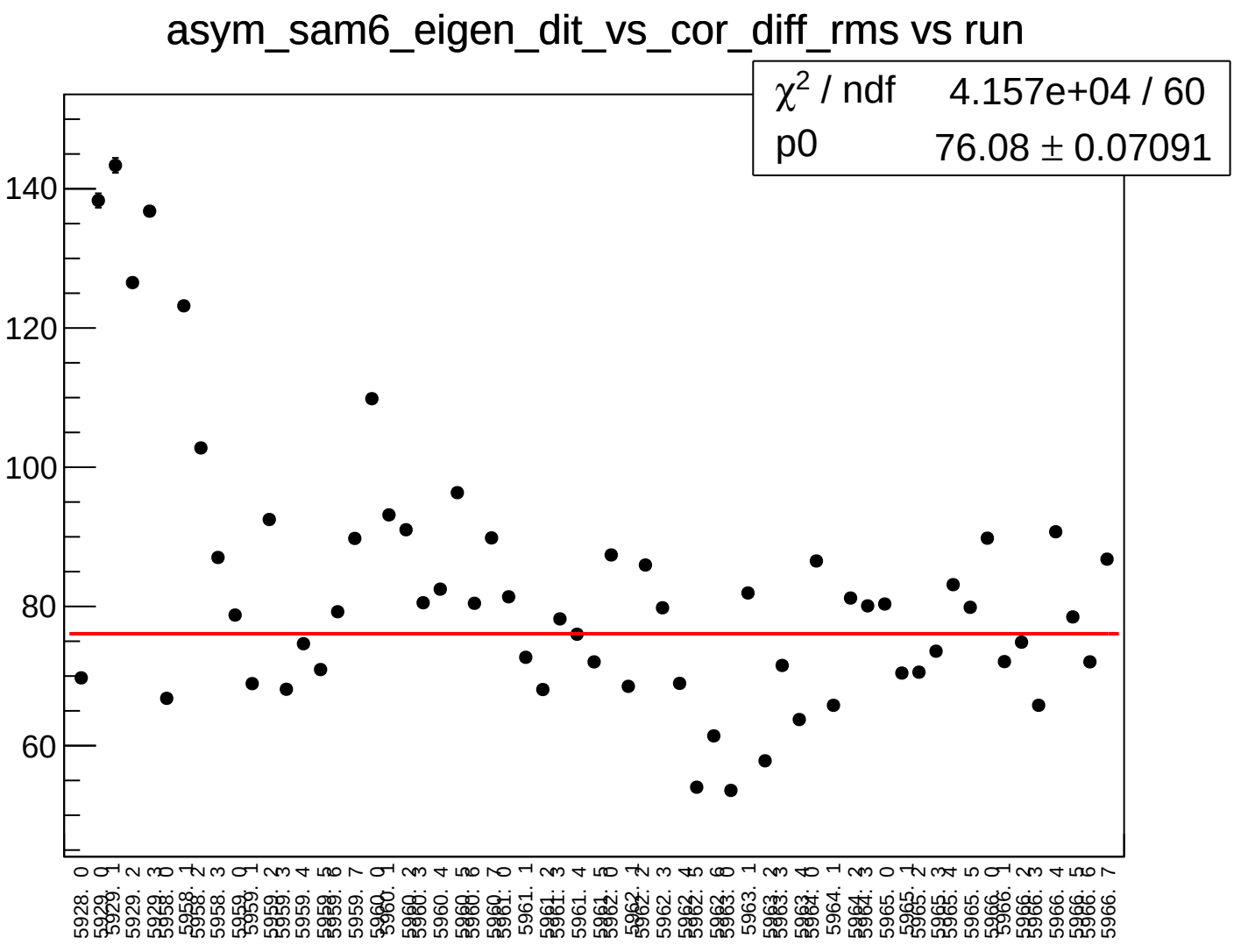

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.157e+04 / 60
p0 76.08 ± 0.07091
140
120
100
80
60

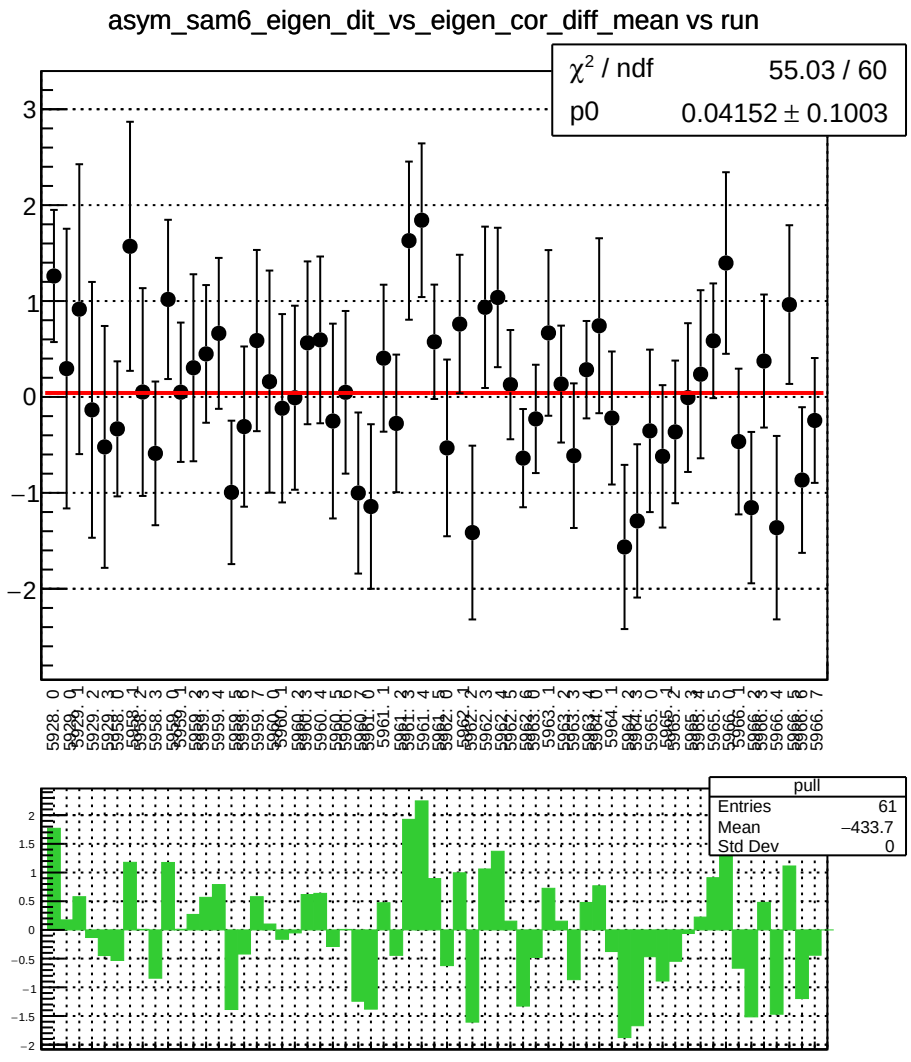

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.5 / 60
p0 −5.467e−07 ± 2.565e−06
pull
Entries 61
Mean −742.2
Std Dev 0

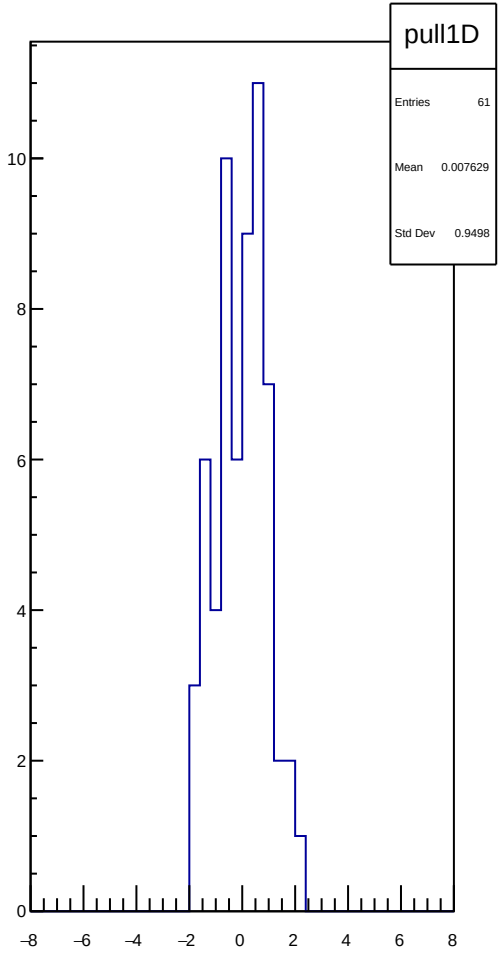

pull1D
Entries 61
Mean −0.001274
Std Dev 0.9876

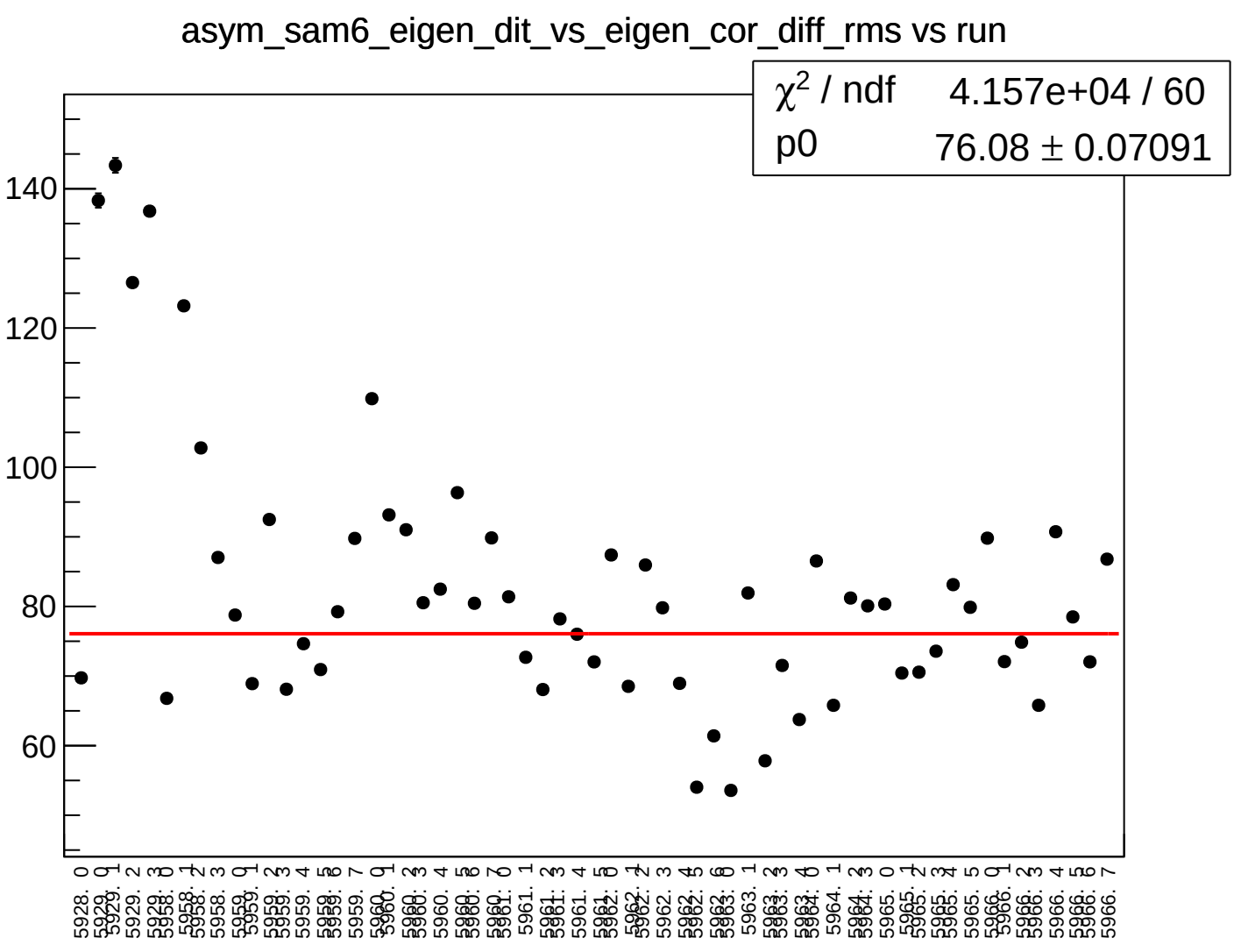

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.444e+04 / 60
p0 0.001952 ± 1.814e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

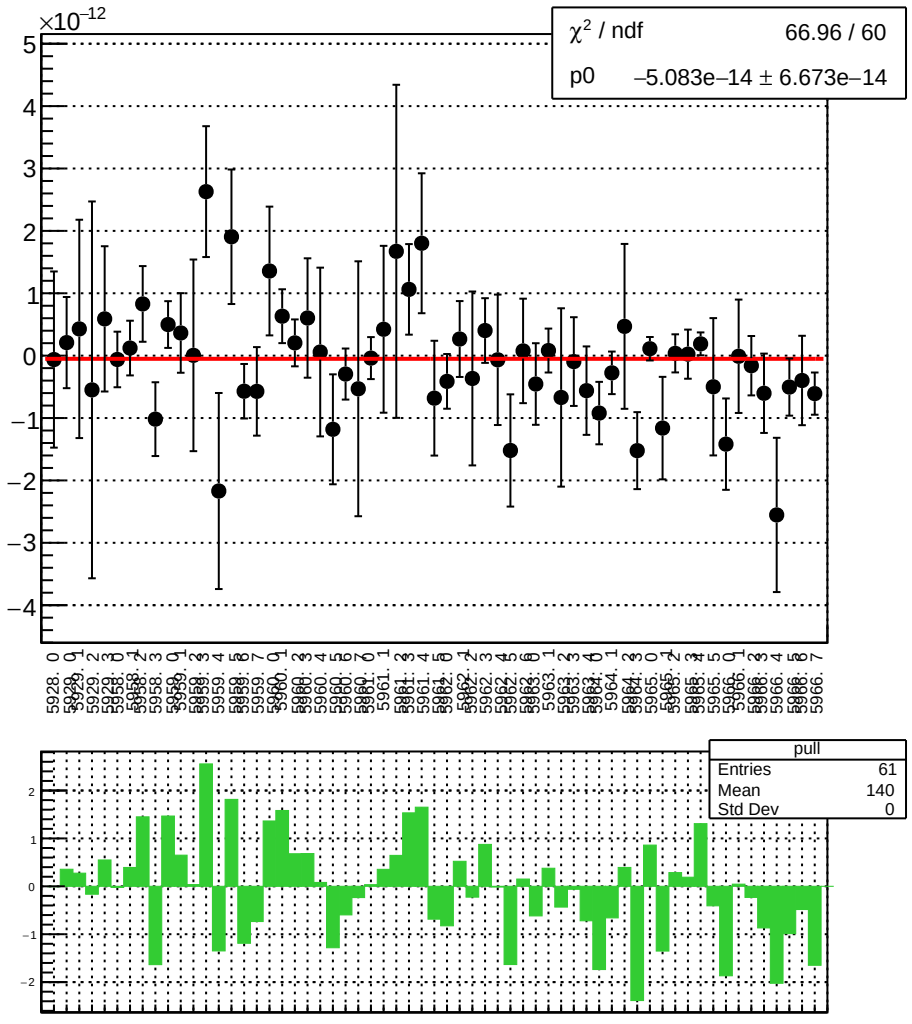

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.03 / 60
p0 0.04152 ± 0.1003
pull
Entries 61
Mean −433.7
Std Dev 0
pull1D
Entries 61
Mean 0.007629
Std Dev 0.9498

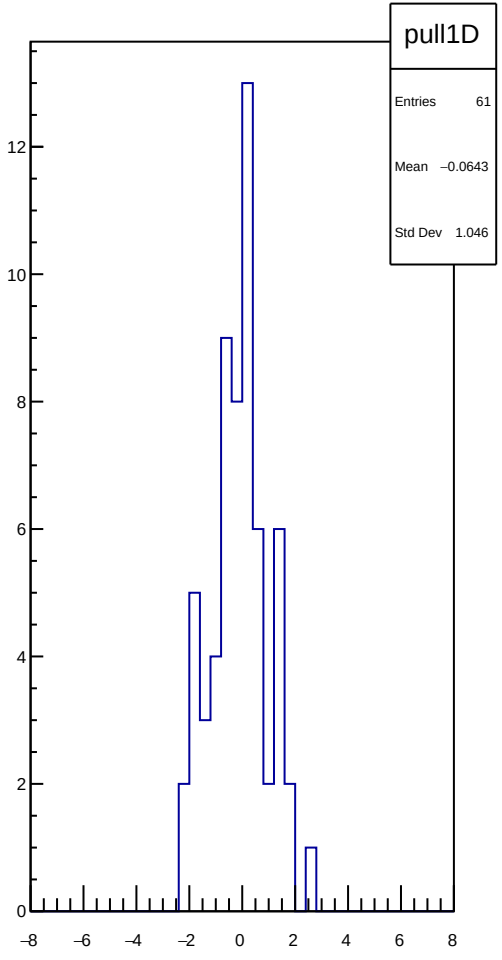

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.157e+04 / 60
p0 76.08 ± 0.07091
140
120
100
80
60

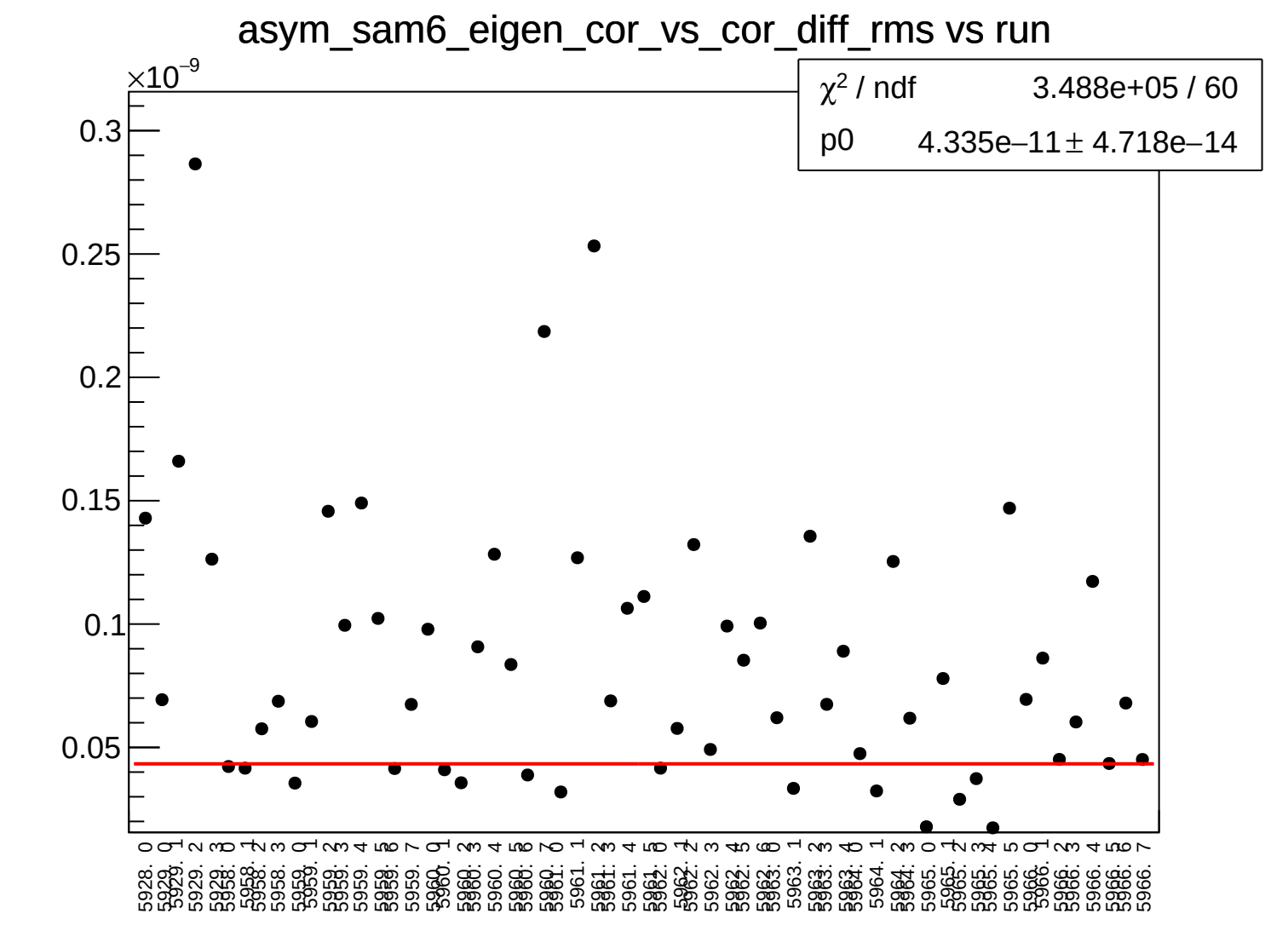

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.03 / 60
p0 0.04152 ± 0.1003
pull
Entries 61
Mean −433.7
Std Dev 0

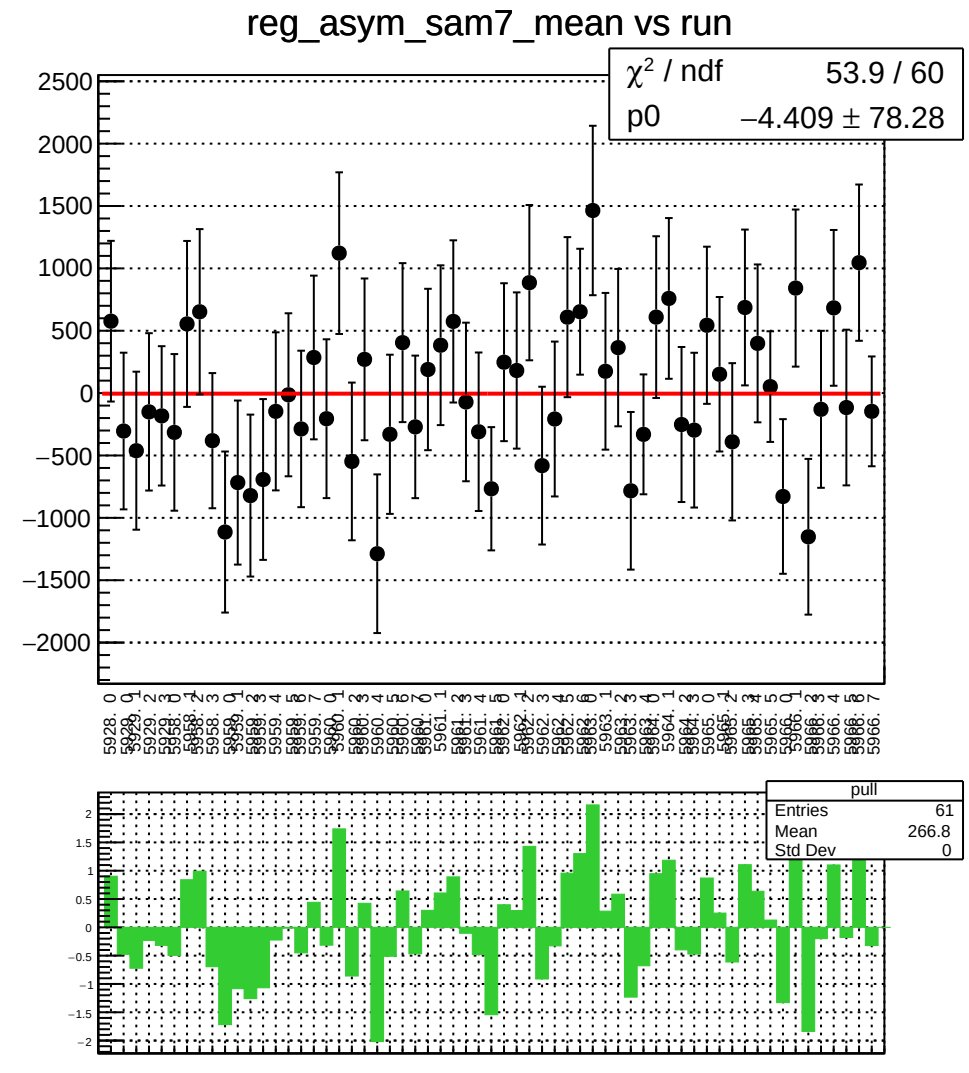

pull1D
Entries 61
Mean 0.007629
Std Dev 0.9498

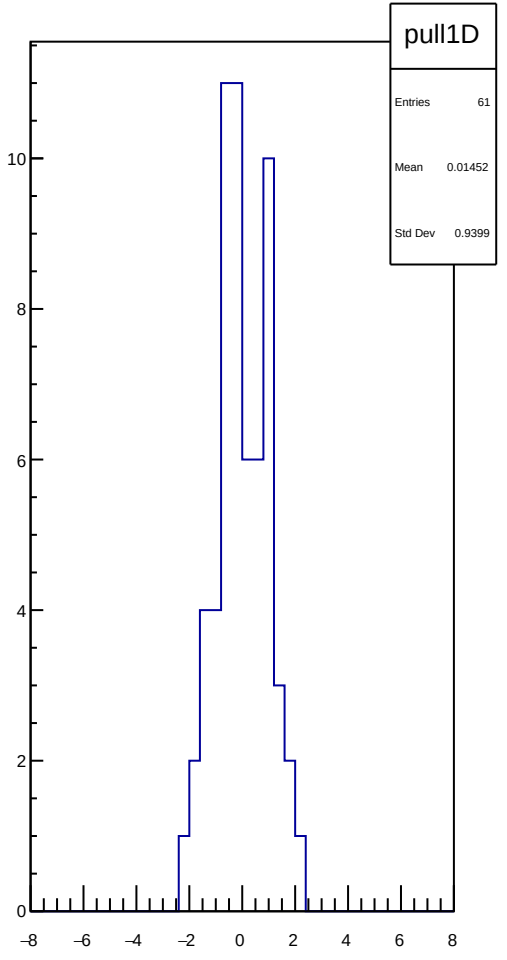

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.157e+04 / 60
p0 76.08 ± 0.07091
140
120
100
80
60

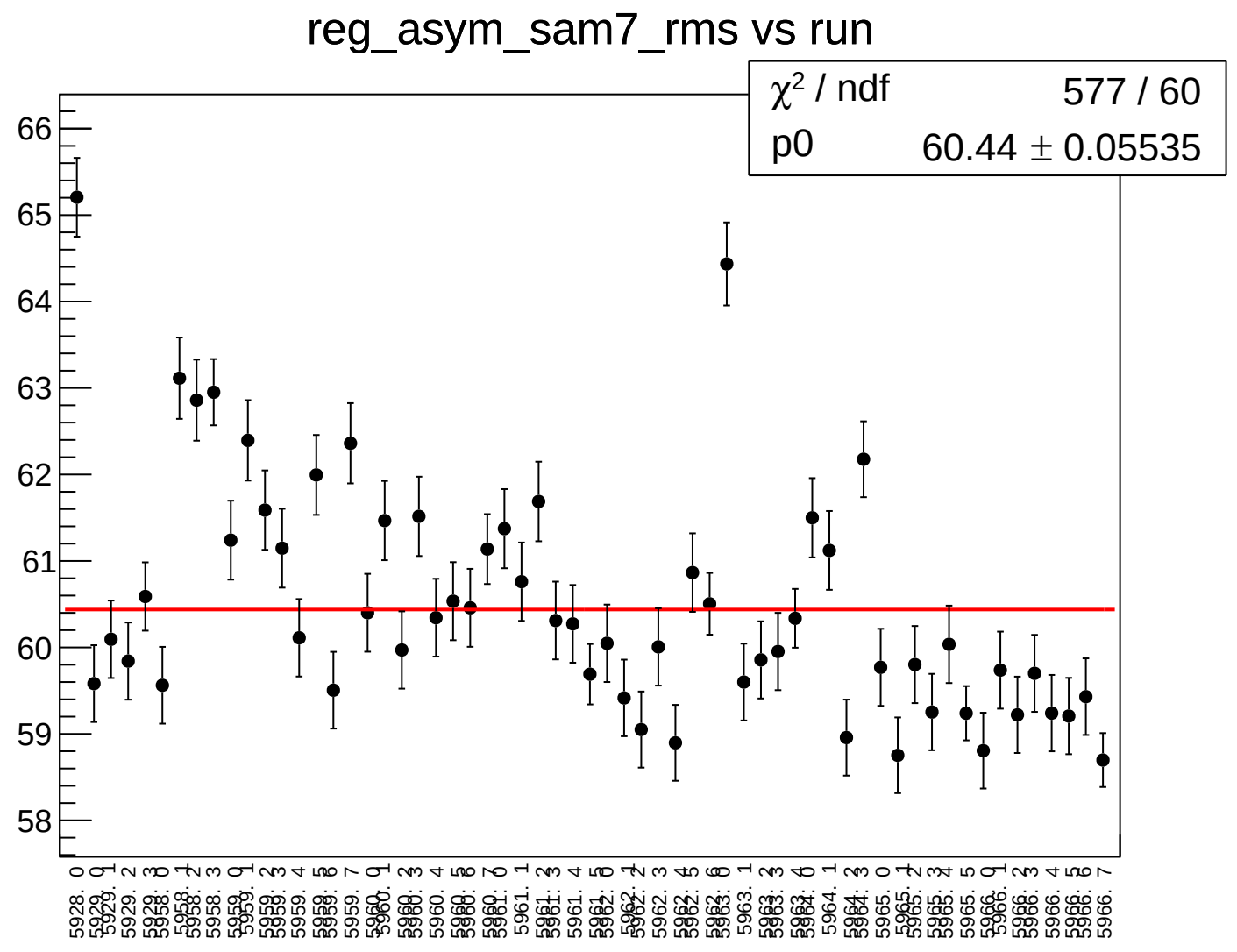

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.96 / 60
p0 −5.083e−14 ± 6.673e−14
pull
Entries 61
Mean 140
Std Dev 0

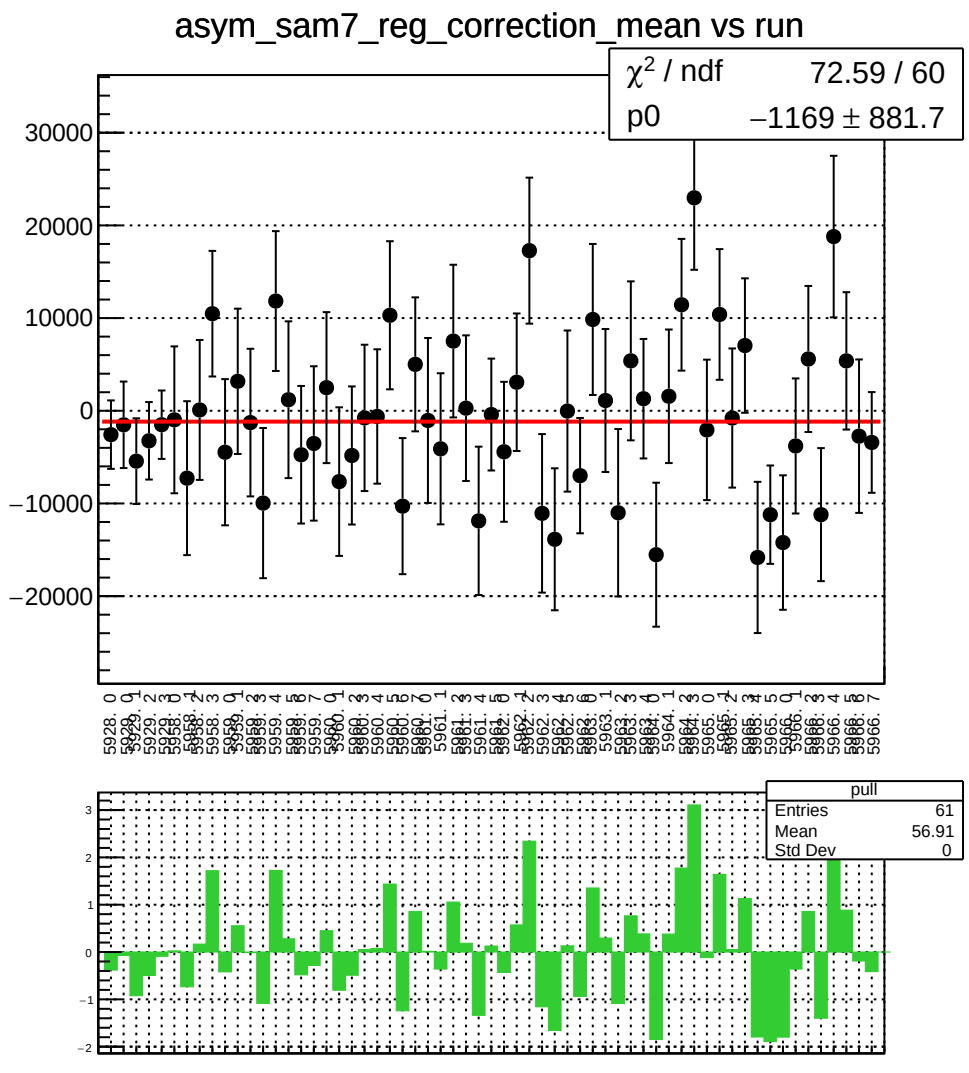

pull1D
Entries 61
Mean −0.0643
Std Dev 1.046

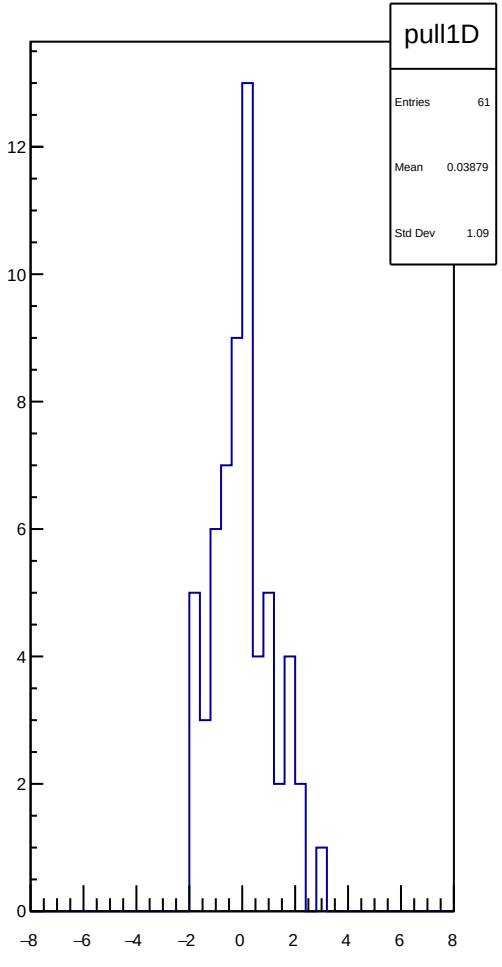

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.488e+05 / 60
p0 4.335e−11 ± 4.718e−14
0.3
0.25
0.2
0.15
0.1
0.05

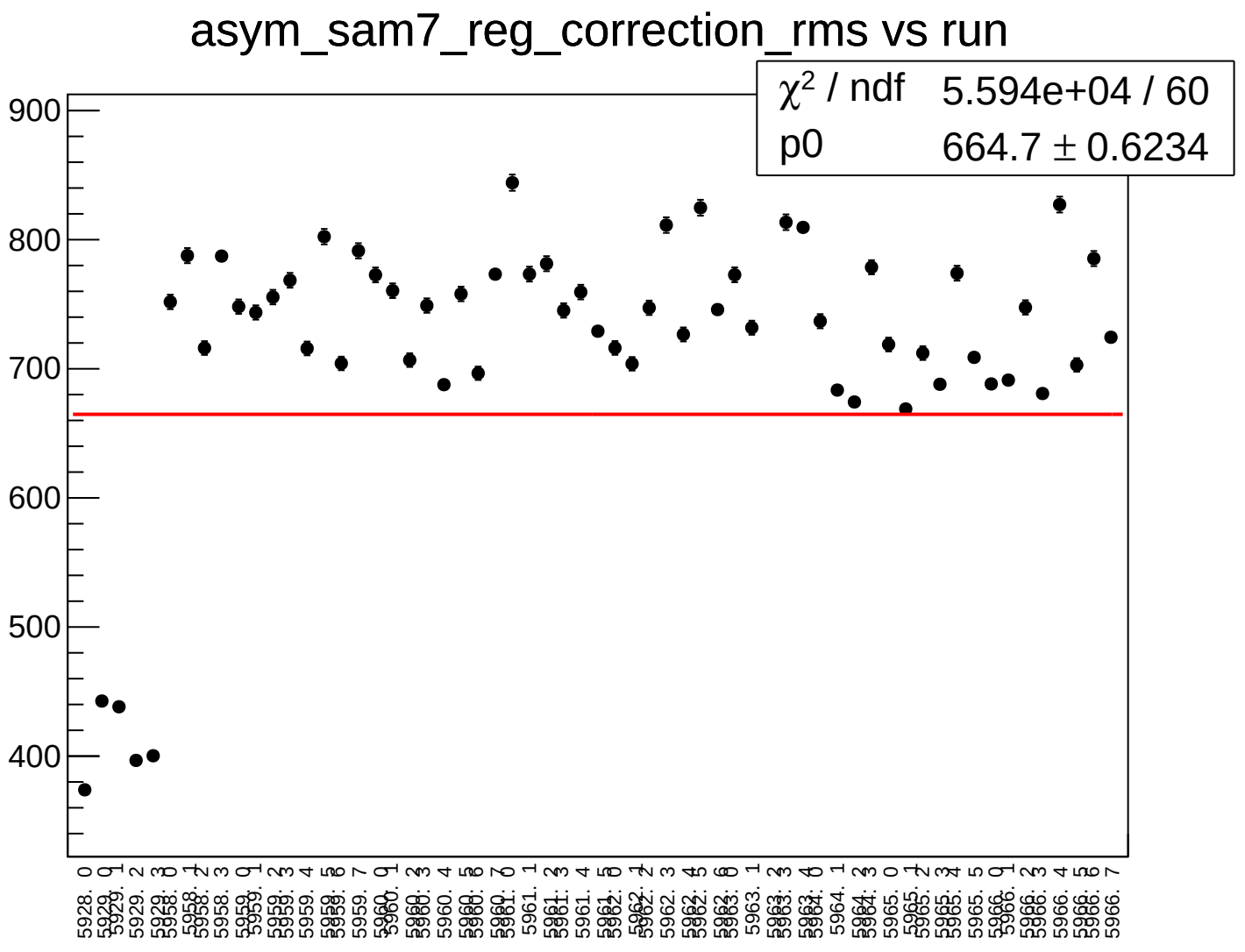

reg_asym_sam7_mean vs run
χ² / ndf 53.9 / 60
p0 −4.409 ± 78.28
pull
Entries 61
Mean 266.8
Std Dev 0

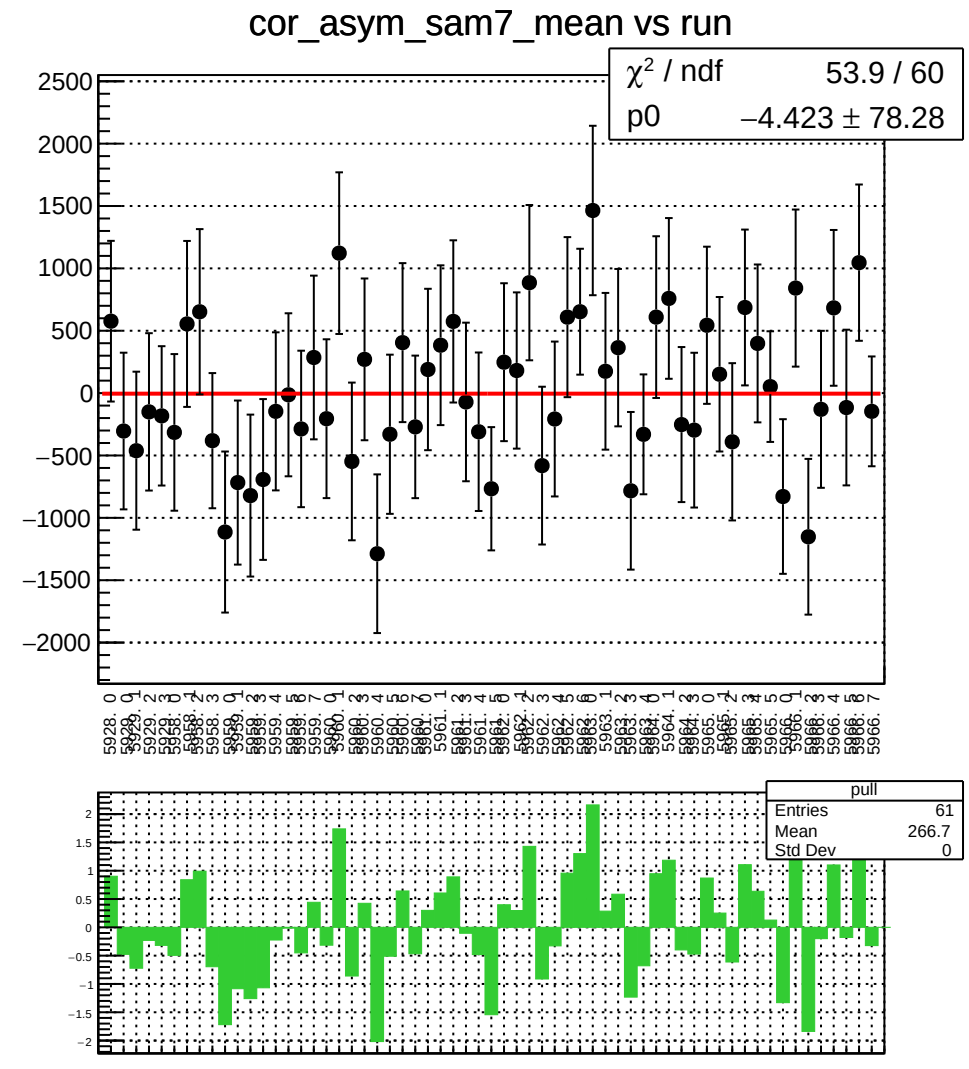

pull1D
Entries 61
Mean 0.01452
Std Dev 0.9399

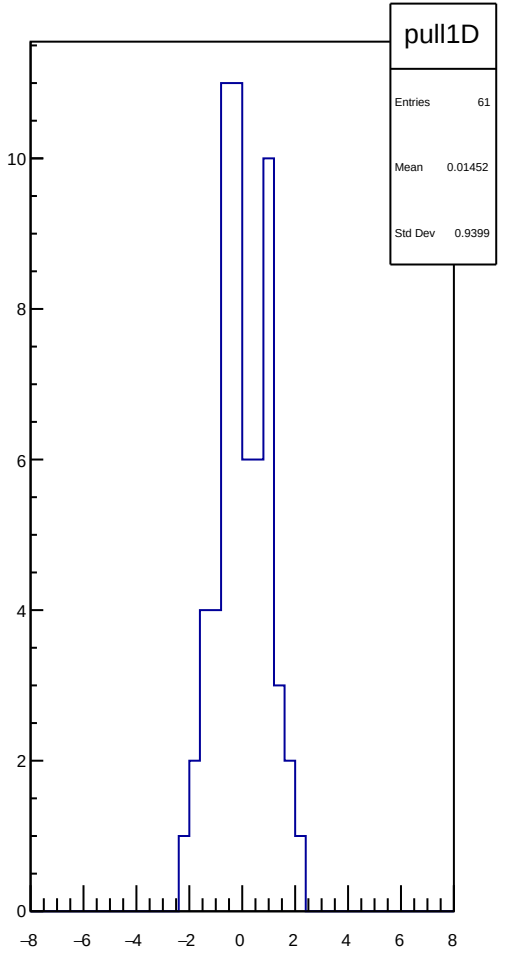

reg_asym_sam7_rms vs run
χ² / ndf 577 / 60
p0 60.44 ± 0.05535
66
65
64
63
62
61
60
59
58

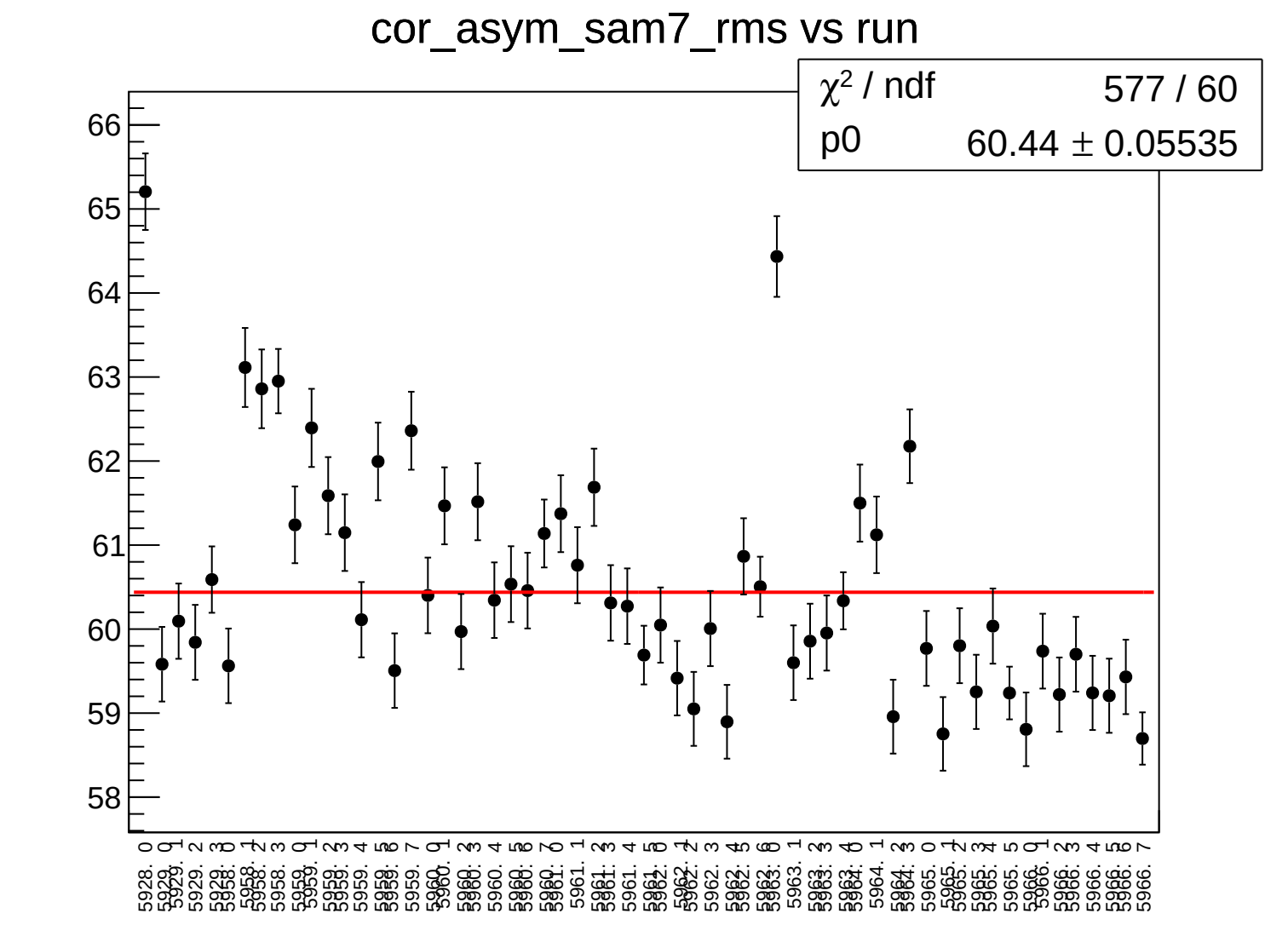

asym_sam7_reg_correction_mean vs run
χ² / ndf 72.59 / 60
p0 −1169 ± 881.7
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 56.91
Std Dev 0
3
2
1
0
−1
−2

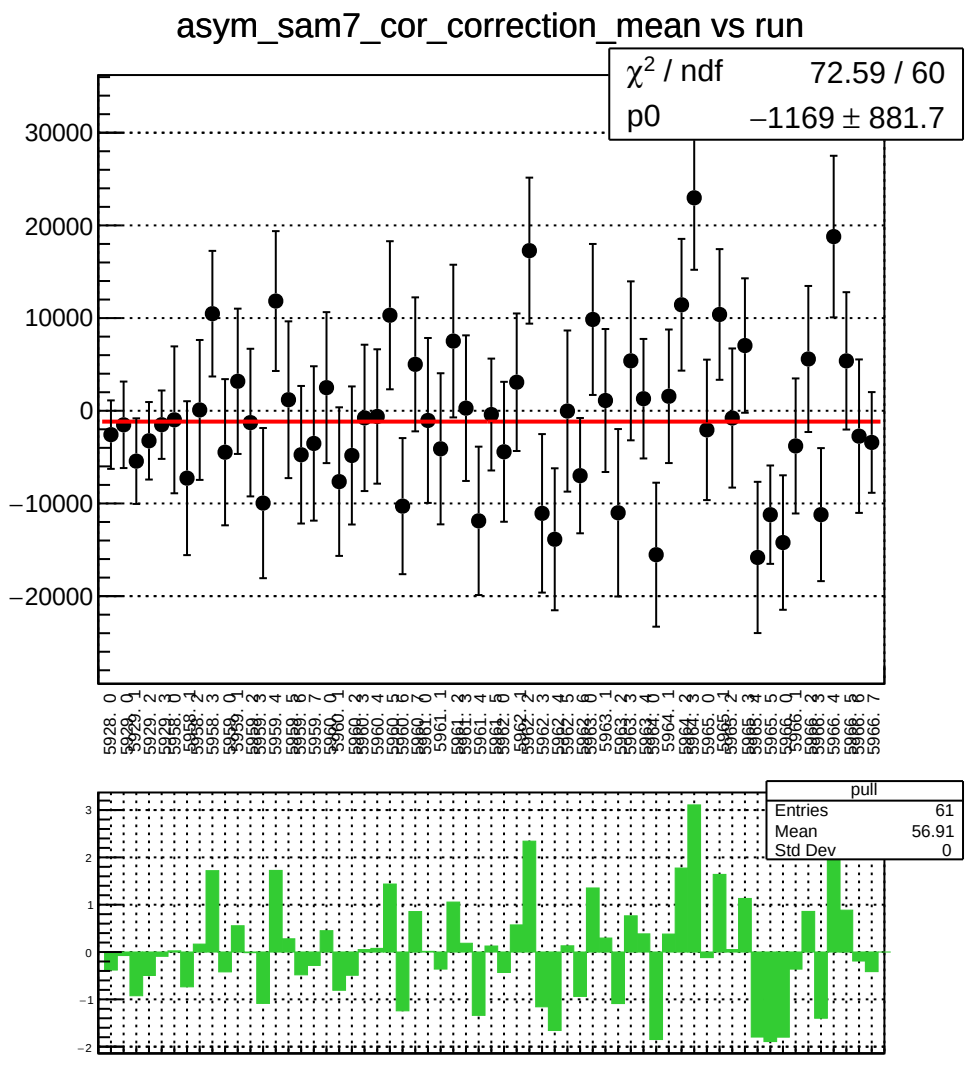

pull1D
Entries 61
Mean 0.03879
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

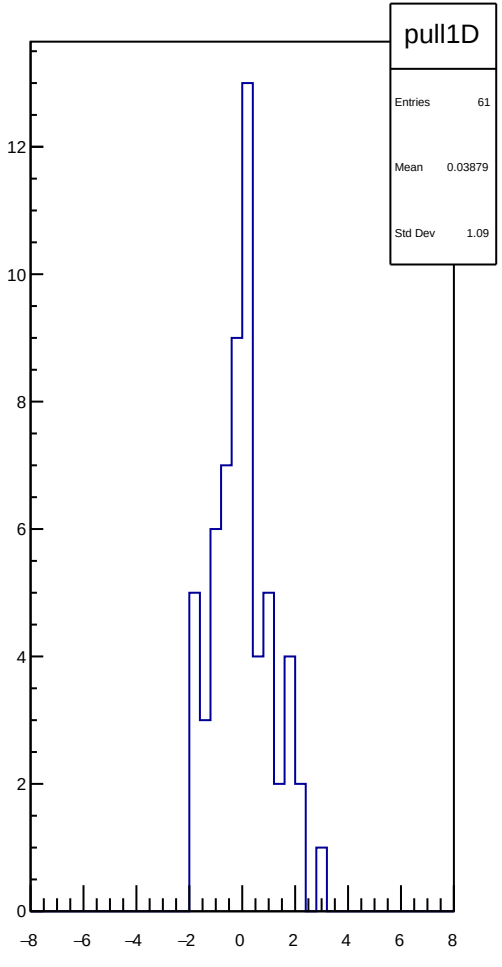

asym_sam7_reg_correction_rms vs run
χ² / ndf 5.594e+04 / 60
p0 664.7 ± 0.6234
900
800
700
600
500
400

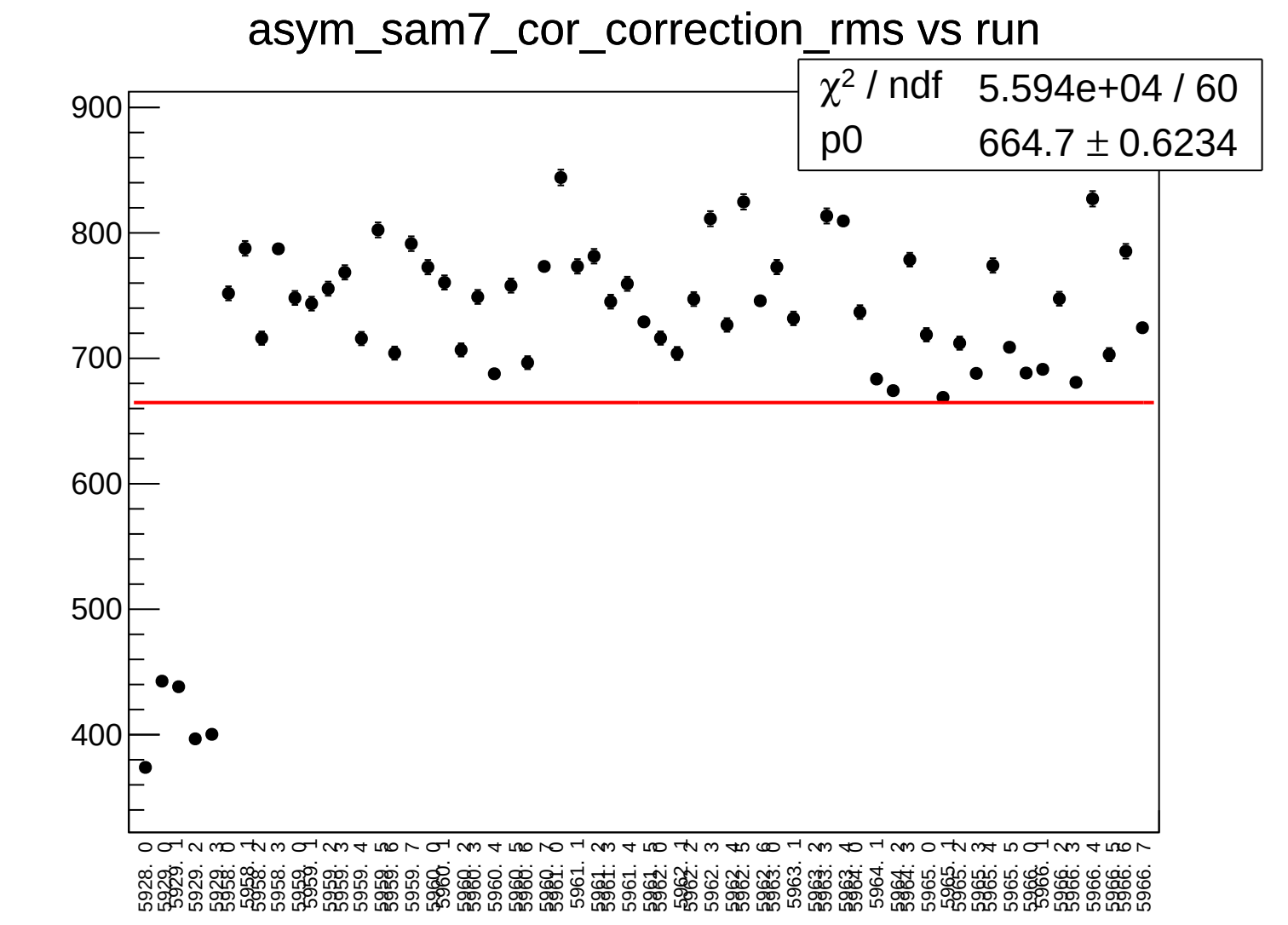

cor_asym_sam7_mean vs run
χ² / ndf 53.9 / 60
p0 −4.423 ± 78.28
pull
Entries 61
Mean 266.7
Std Dev 0

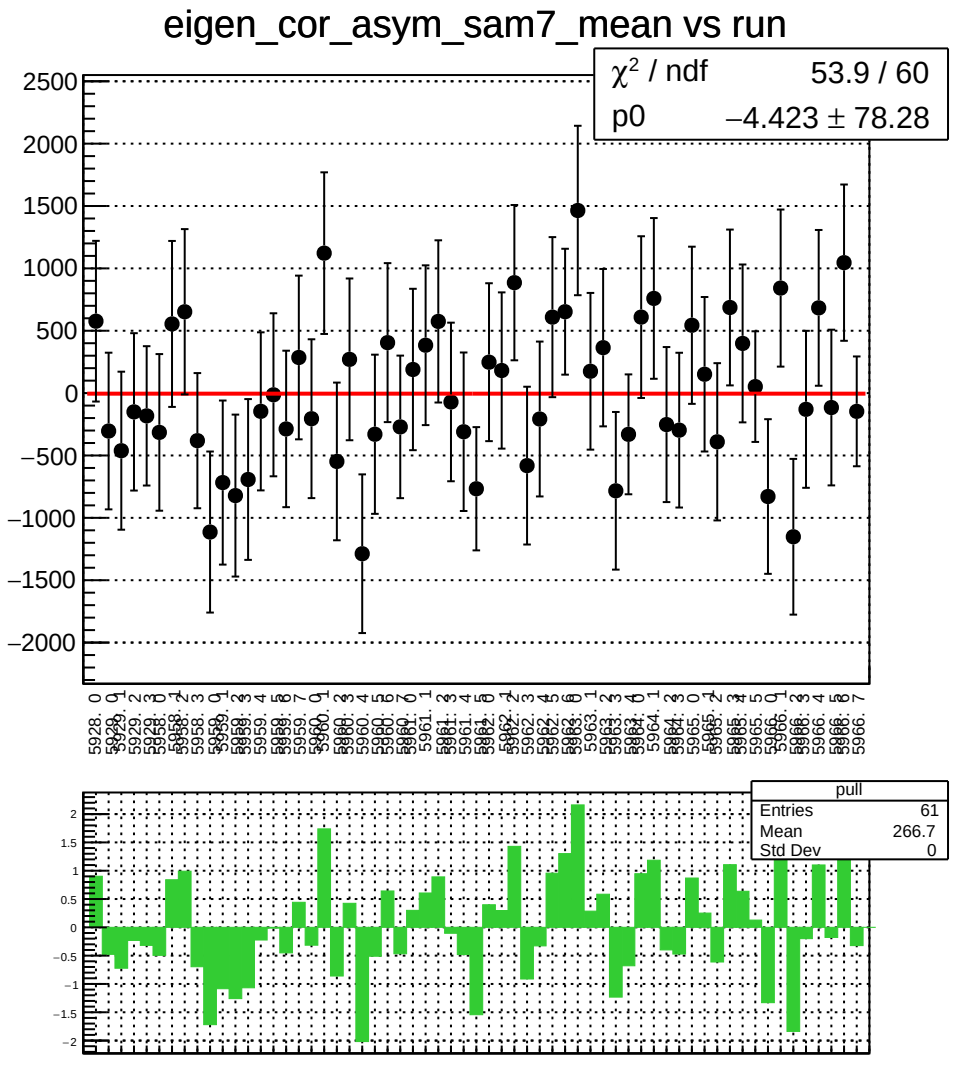

pull1D
Entries 61
Mean 0.01452
Std Dev 0.9399

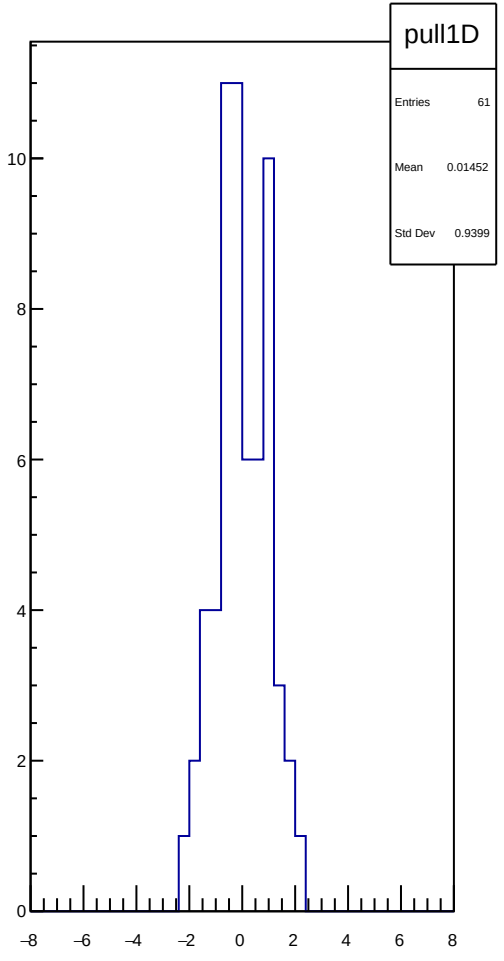

cor_asym_sam7_rms vs run
χ² / ndf 577 / 60
p0 60.44 ± 0.05535
66
65
64
63
62
61
60
59
58

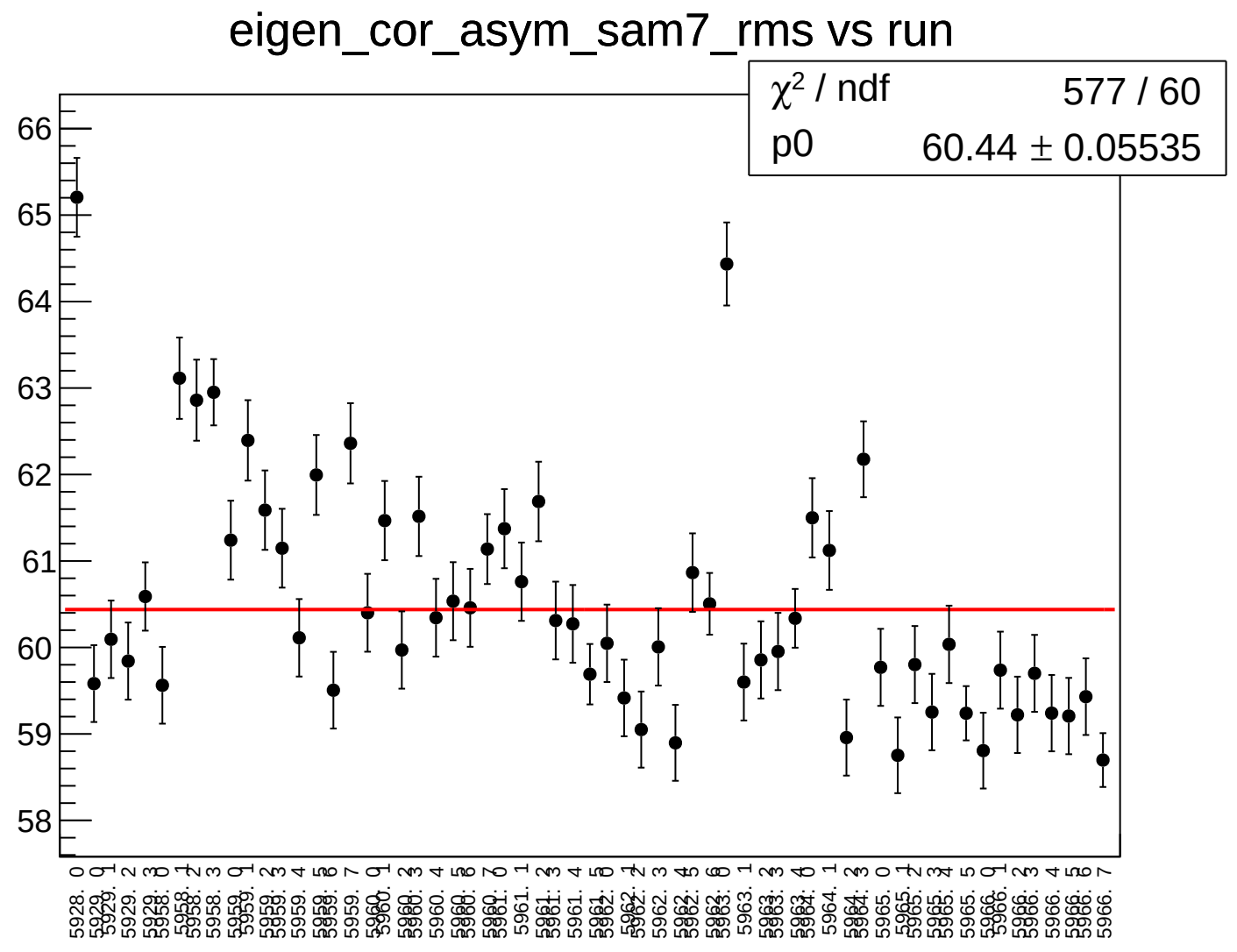

asym_sam7_cor_correction_mean vs run
χ² / ndf 72.59 / 60
p0 −1169 ± 881.7
pull
Entries 61
Mean 56.91
Std Dev 0

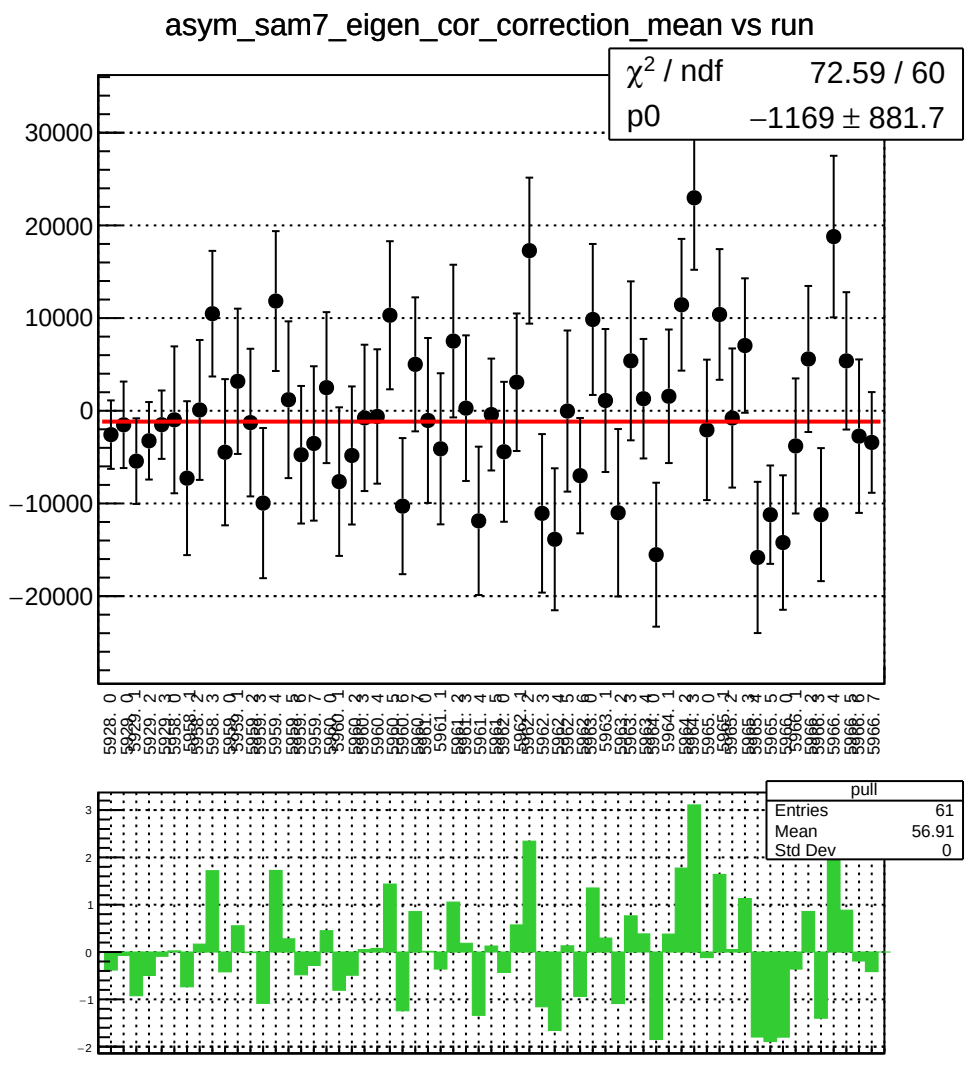

pull1D
Entries 61
Mean 0.03879
Std Dev 1.09

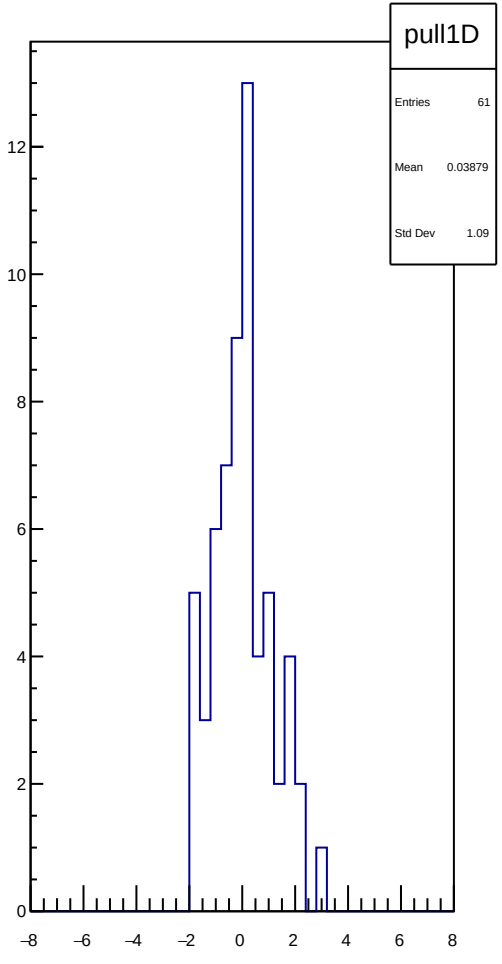

asym_sam7_cor_correction_rms vs run
χ² / ndf 5.594e+04 / 60
p0 664.7 ± 0.6234
900
800
700
600
500
400

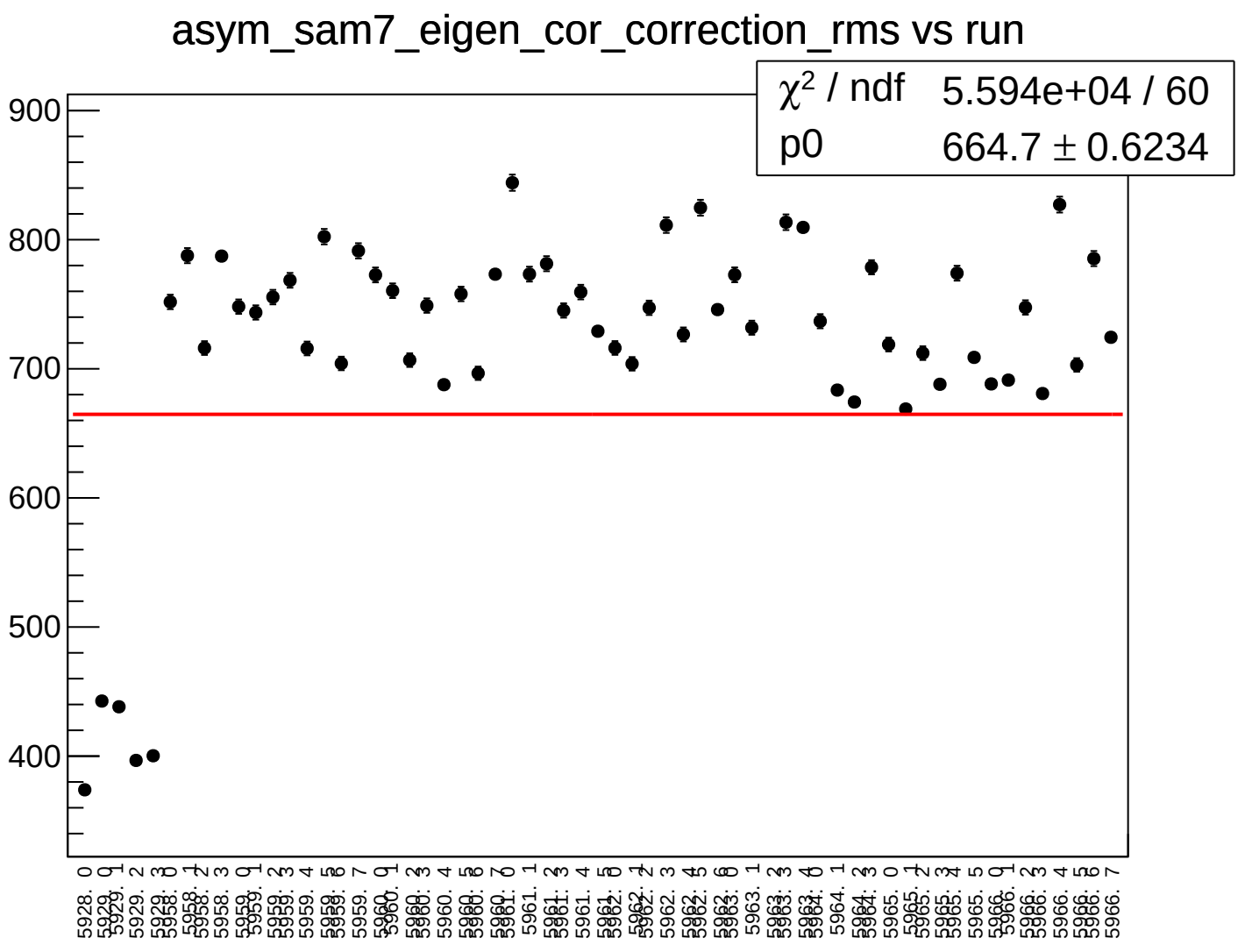

eigen_cor_asym_sam7_mean vs run
χ² / ndf 53.9 / 60
p0 −4.423 ± 78.28
pull
Entries 61
Mean 266.7
Std Dev 0

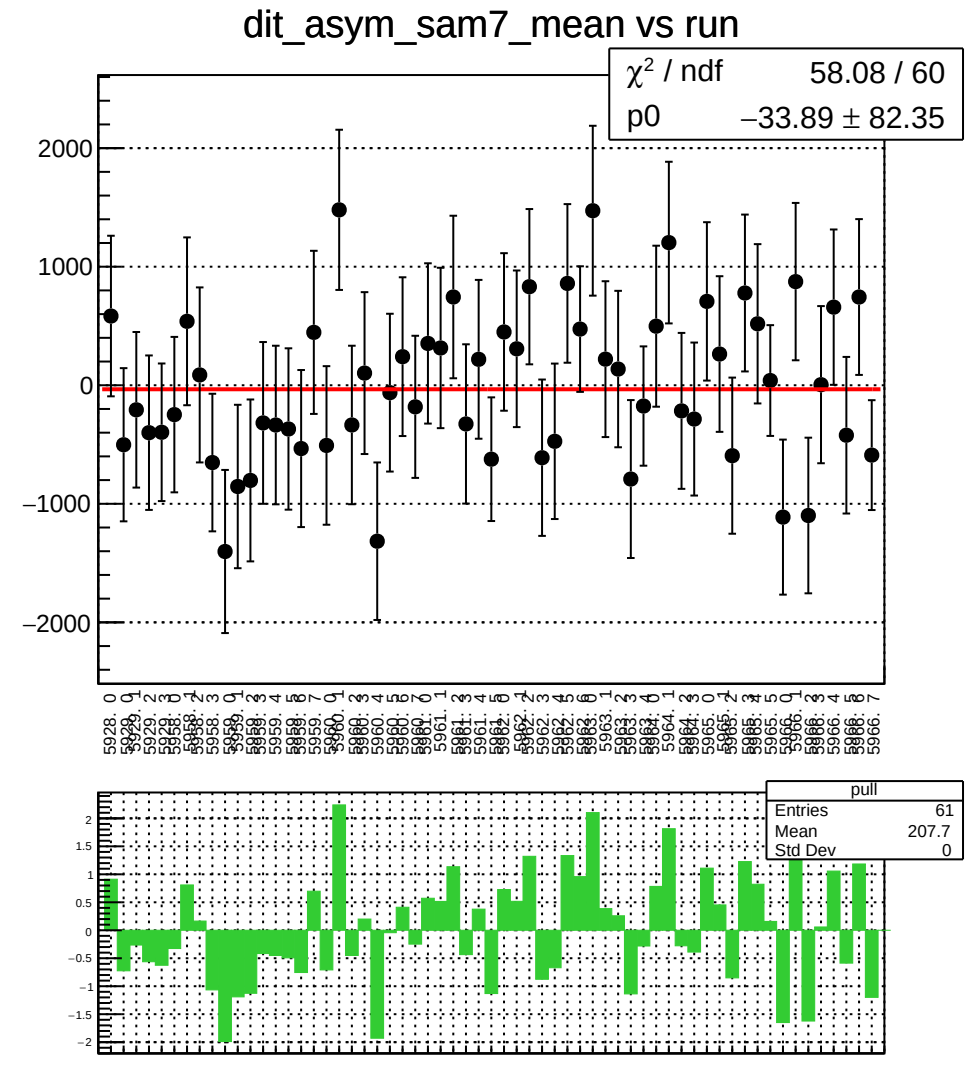

pull1D
Entries 61
Mean 0.01452
Std Dev 0.9399

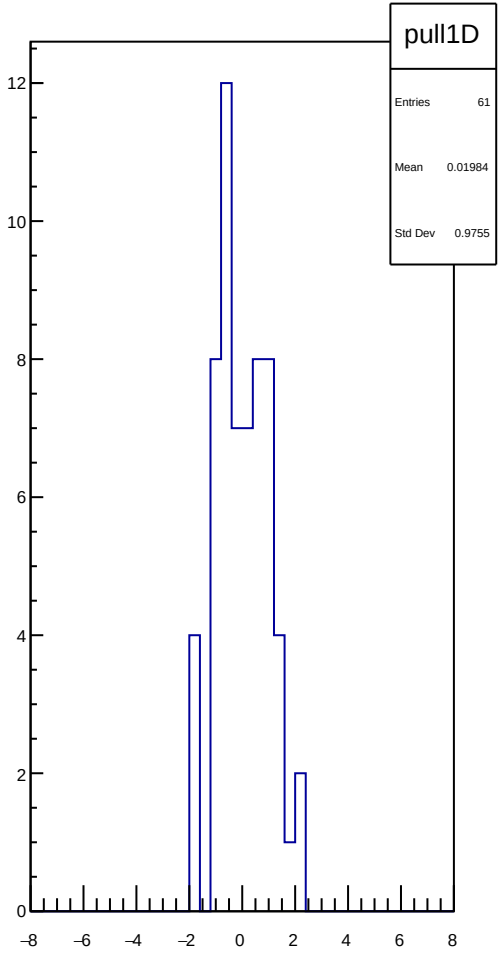

eigen_cor_asym_sam7_rms vs run
χ² / ndf 577 / 60
p0 60.44 ± 0.05535
66
65
64
63
62
61
60
59
58

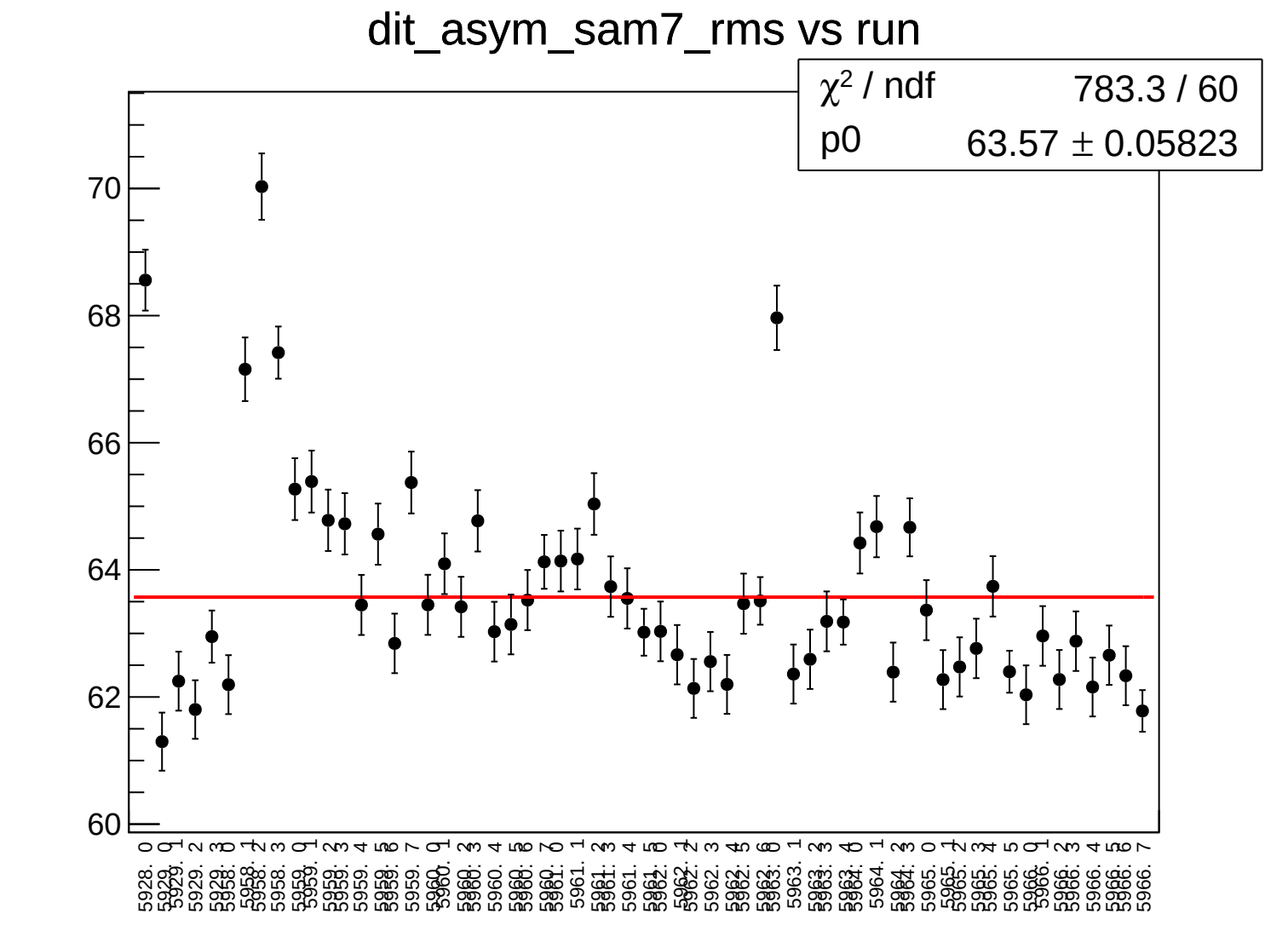

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 72.59 / 60
p0 −1169 ± 881.7
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 56.91
Std Dev 0
3
2
1
0
−1
−2

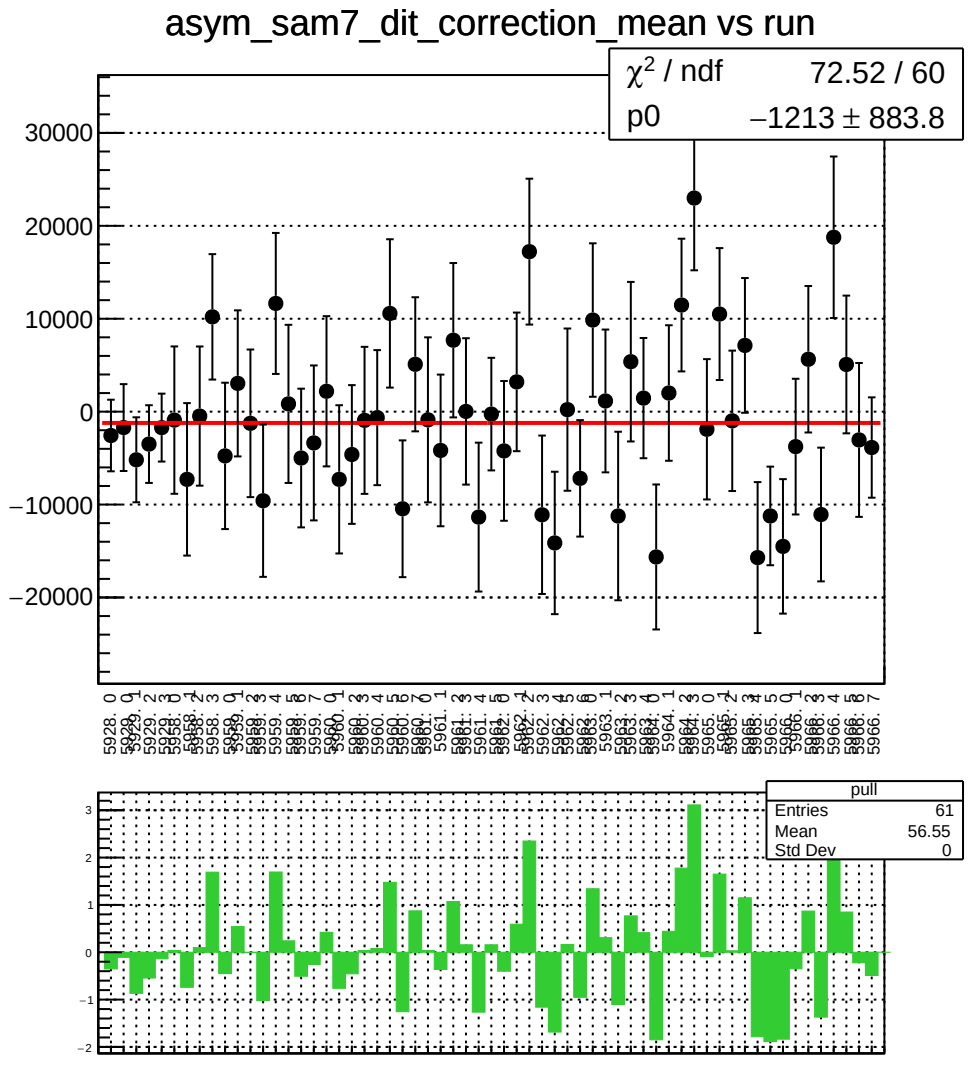

pull1D
Entries 61
Mean 0.03879
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

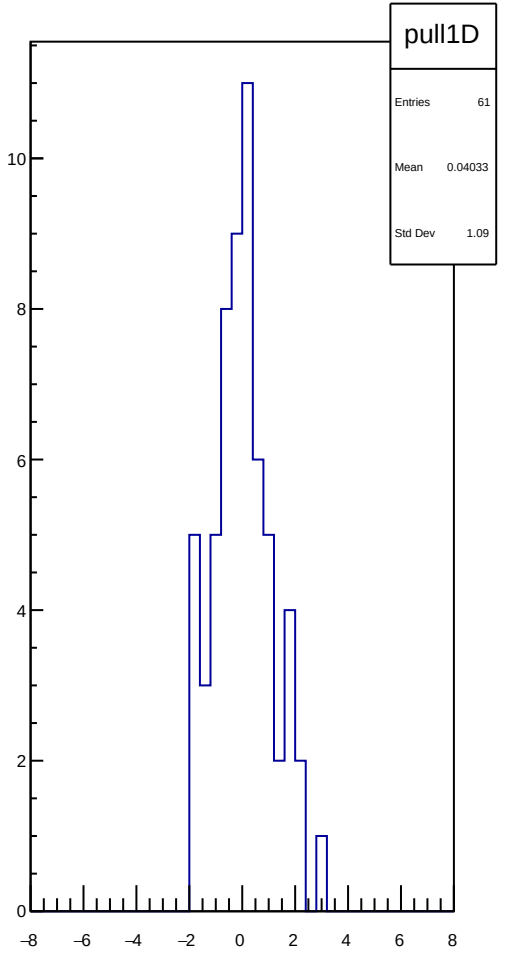

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 5.594e+04 / 60
p0 664.7 ± 0.6234
900
800
700
600
500
400

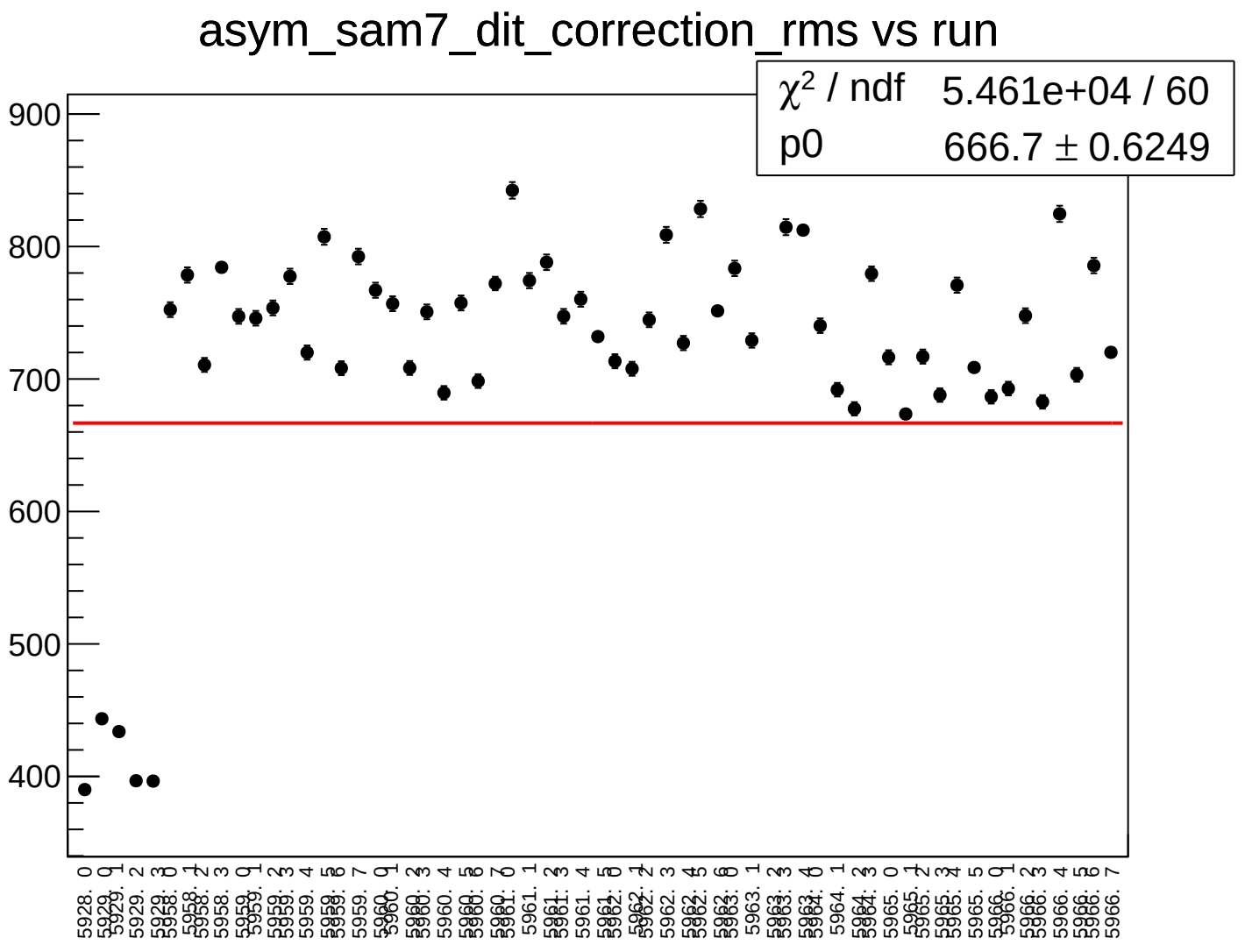

dit_asym_sam7_mean vs run
χ² / ndf 58.08 / 60
p0 −33.89 ± 82.35
2000
1000
0
−1000
−2000
pull
Entries 61
Mean 207.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

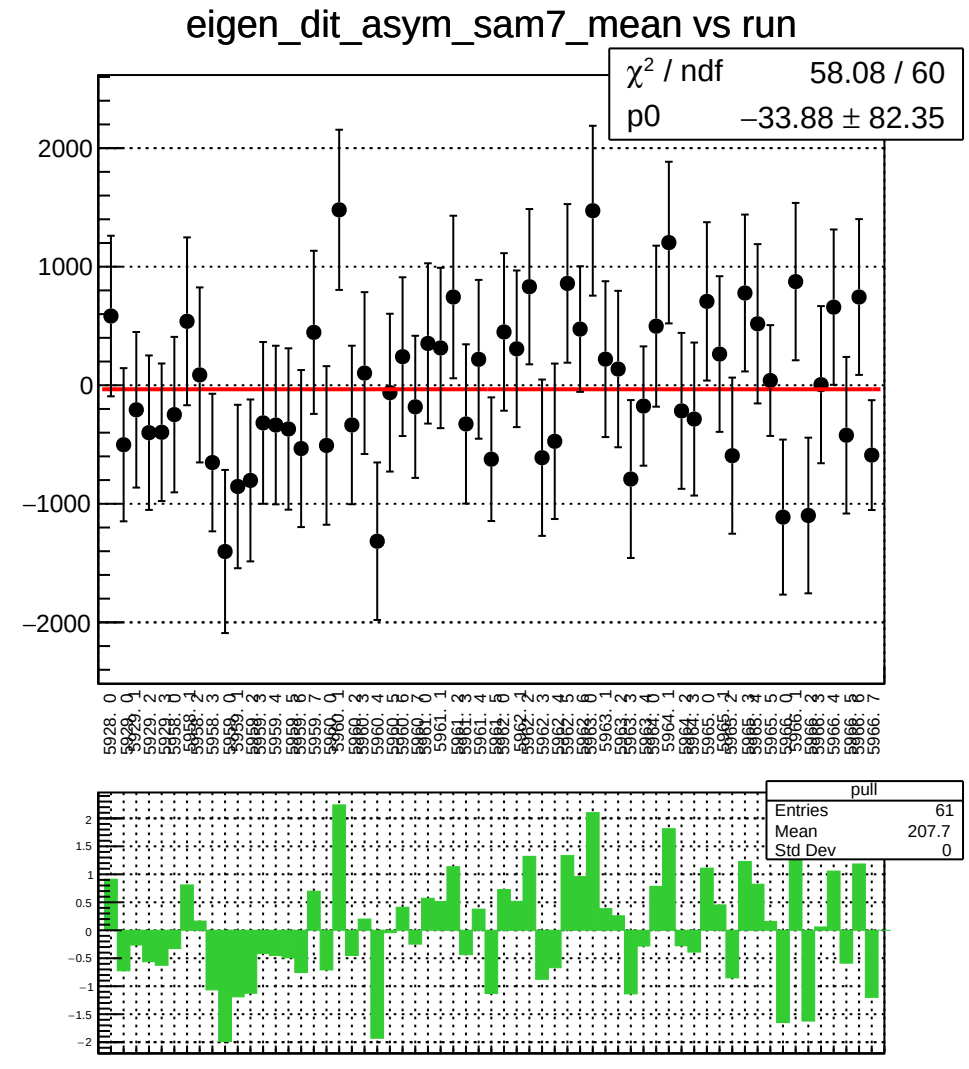

pull1D
Entries 61
Mean 0.01984
Std Dev 0.9755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

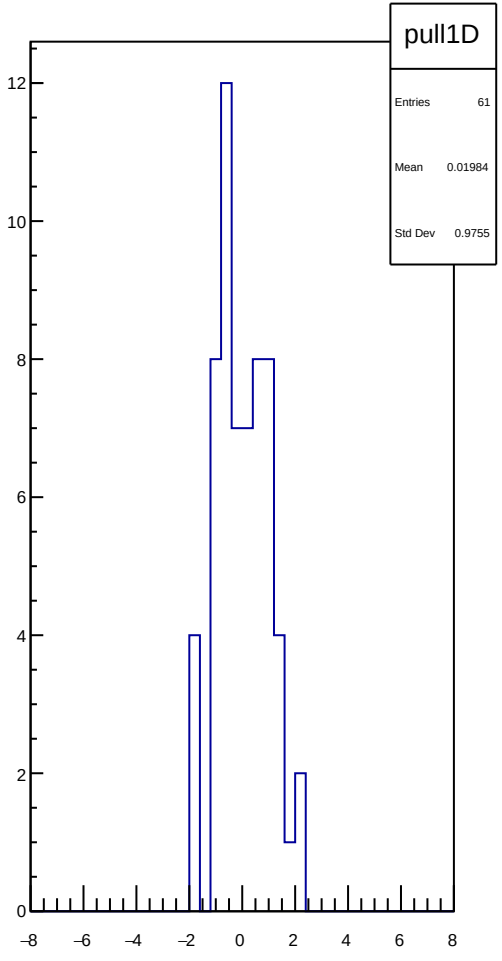

dit_asym_sam7_rms vs run
χ^2 / ndf 783.3 / 60
p0 63.57 ± 0.05823
70
68
66
64
62
60

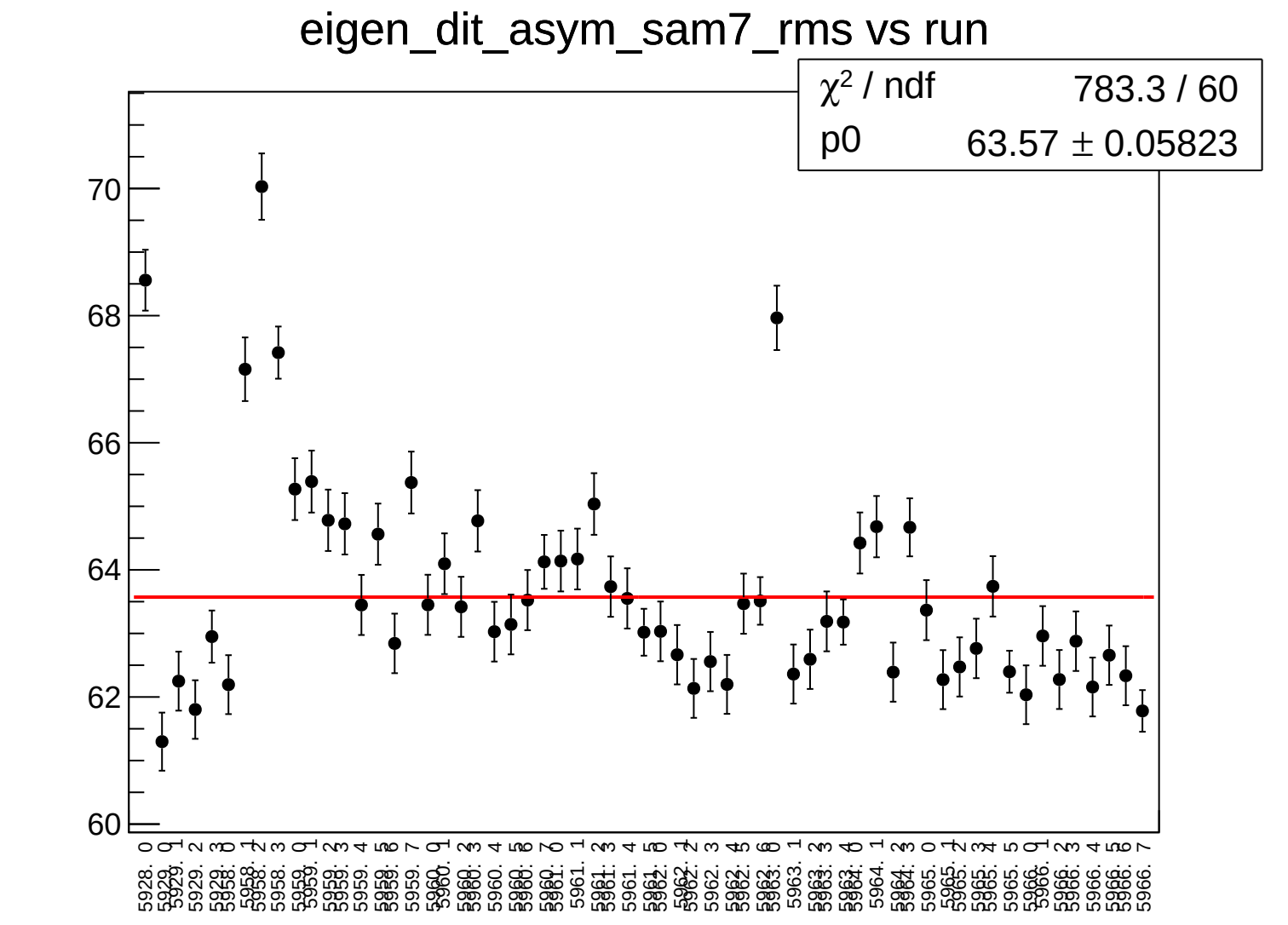

asym_sam7_dit_correction_mean vs run
χ² / ndf 72.52 / 60
p0 −1213 ± 883.8
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 56.55
Std Dev 0
3
2
1
0
−1
−2

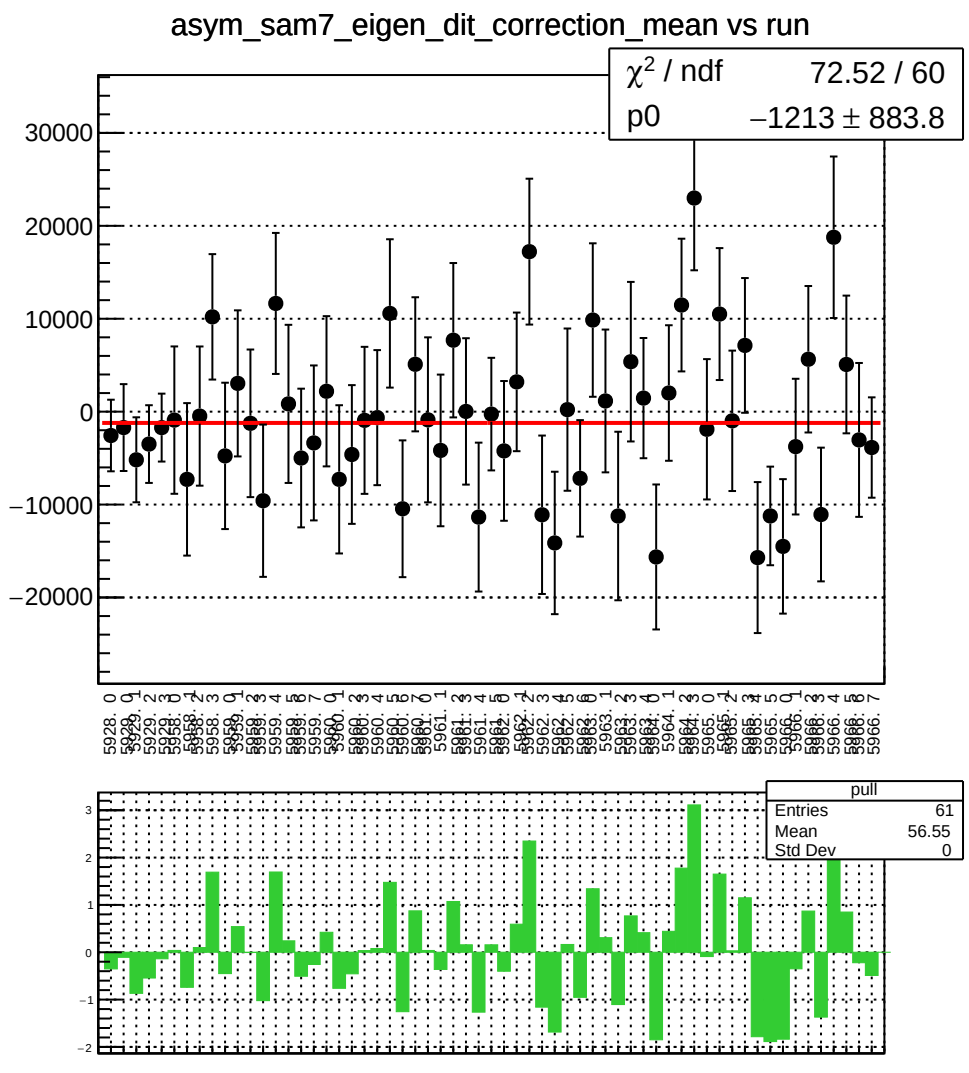

pull1D
Entries 61
Mean 0.04033
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

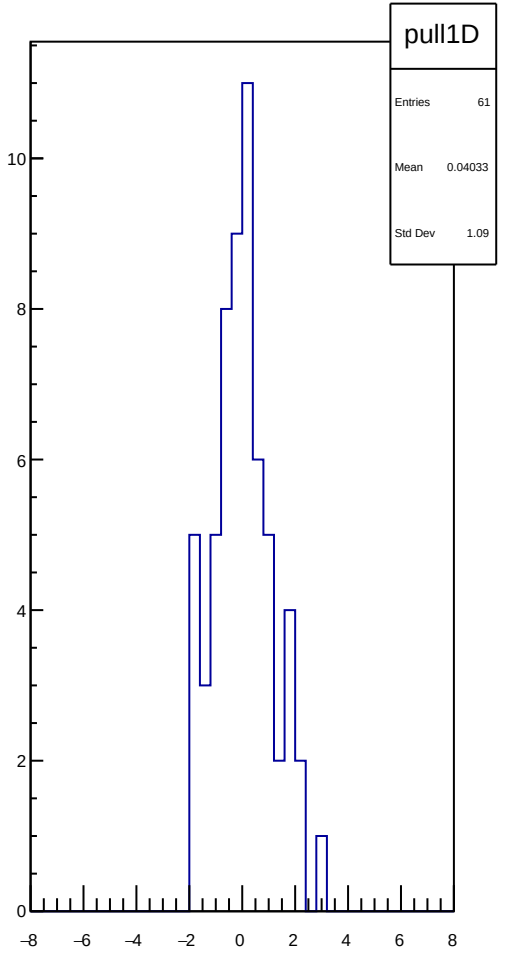

asym_sam7_dit_correction_rms vs run
χ² / ndf 5.461e+04 / 60
p0 666.7 ± 0.6249
900
800
700
600
500
400

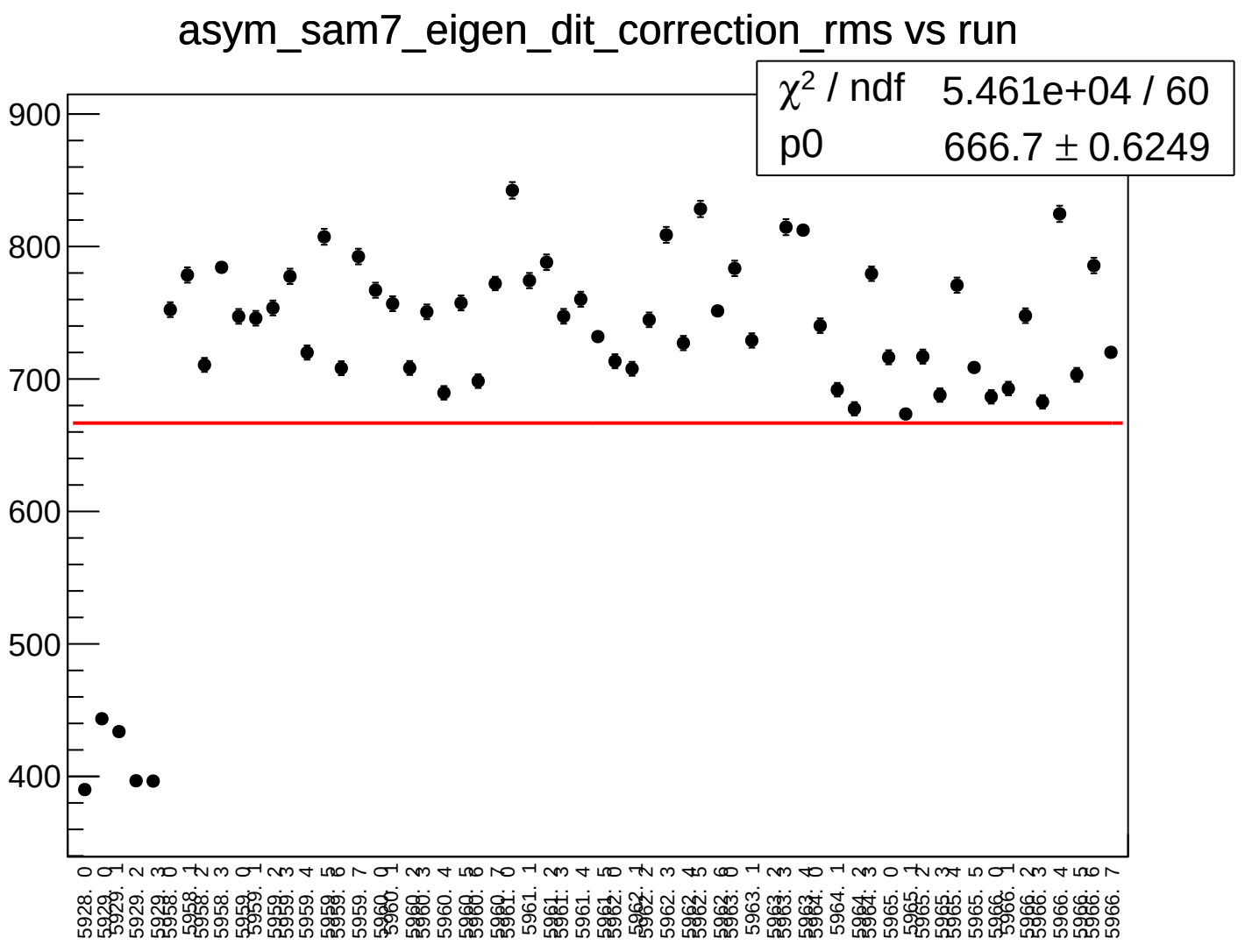

eigen_dit_asym_sam7_mean vs run
χ² / ndf 58.08 / 60
p0 −33.88 ± 82.35
pull
Entries 61
Mean 207.7
Std Dev 0

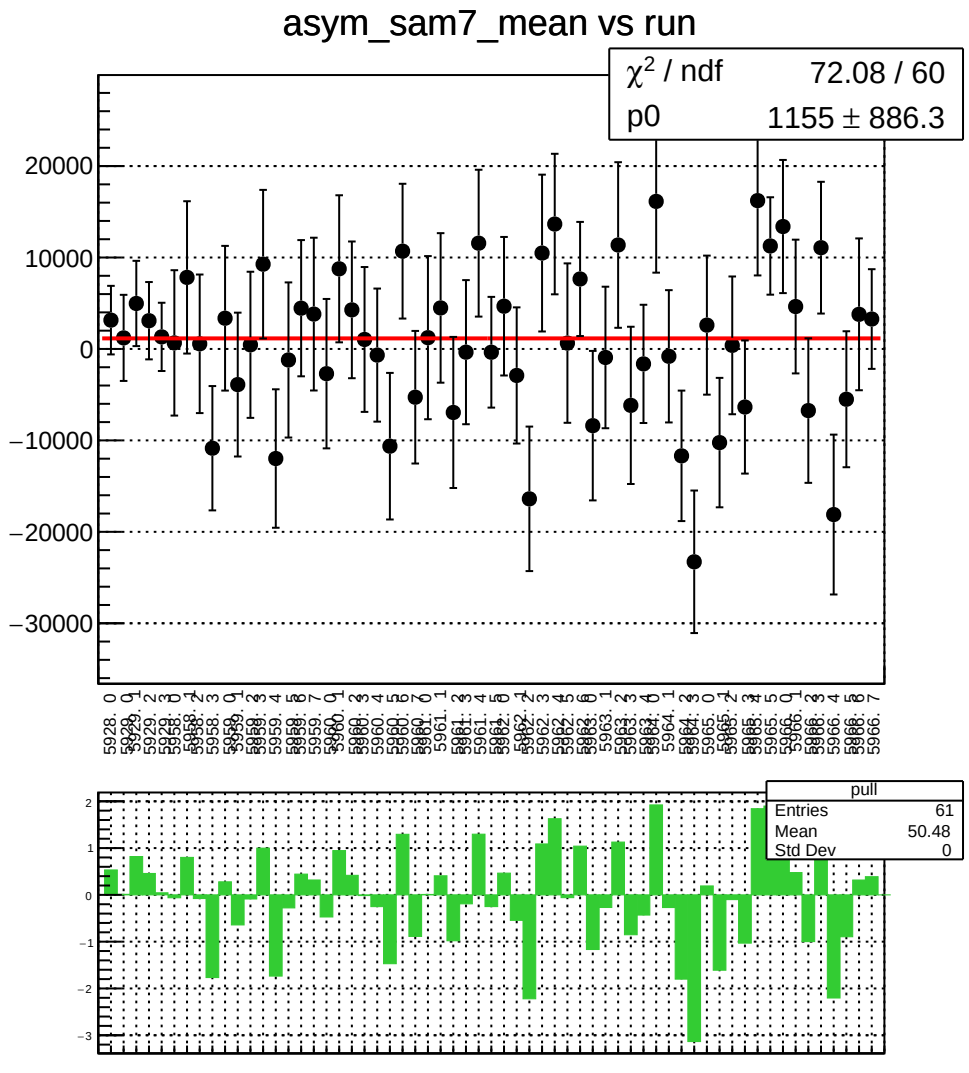

pull1D
Entries 61
Mean 0.01984
Std Dev 0.9755

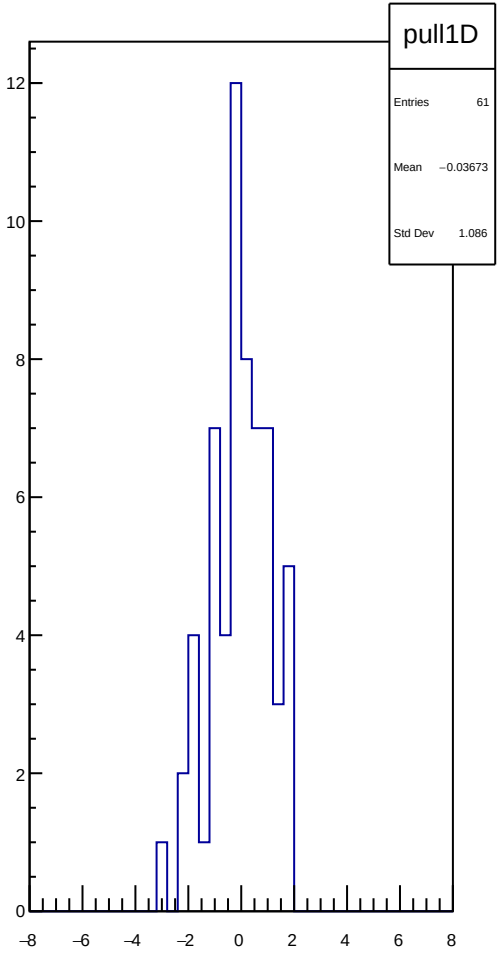

eigen_dit_asym_sam7_rms vs run
χ² / ndf 783.3 / 60
p0 63.57 ± 0.05823
70
68
66
64
62
60

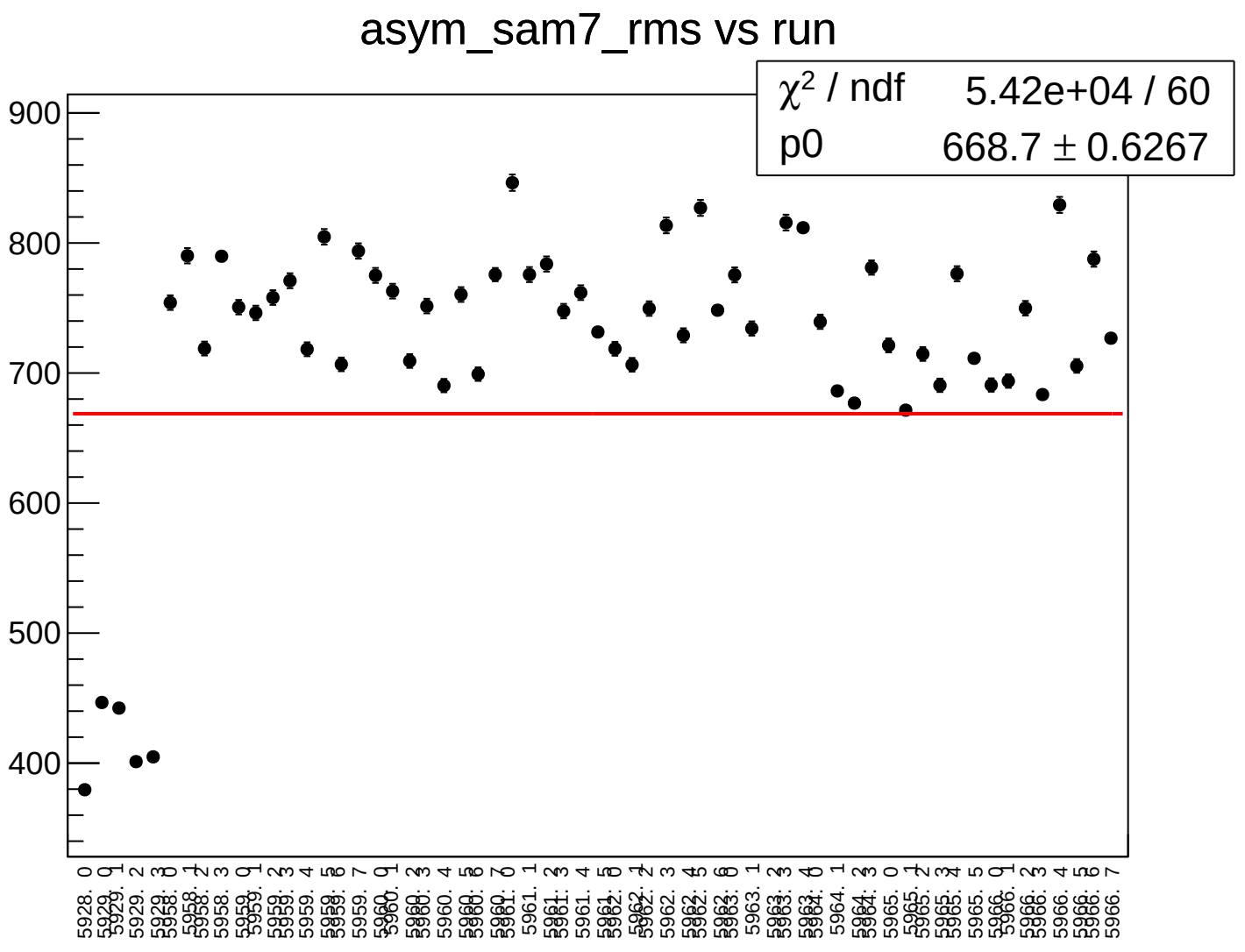

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 72.52 / 60
p0 −1213 ± 883.8
30000
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 56.55
Std Dev 0
3
2
1
0
−1
−2

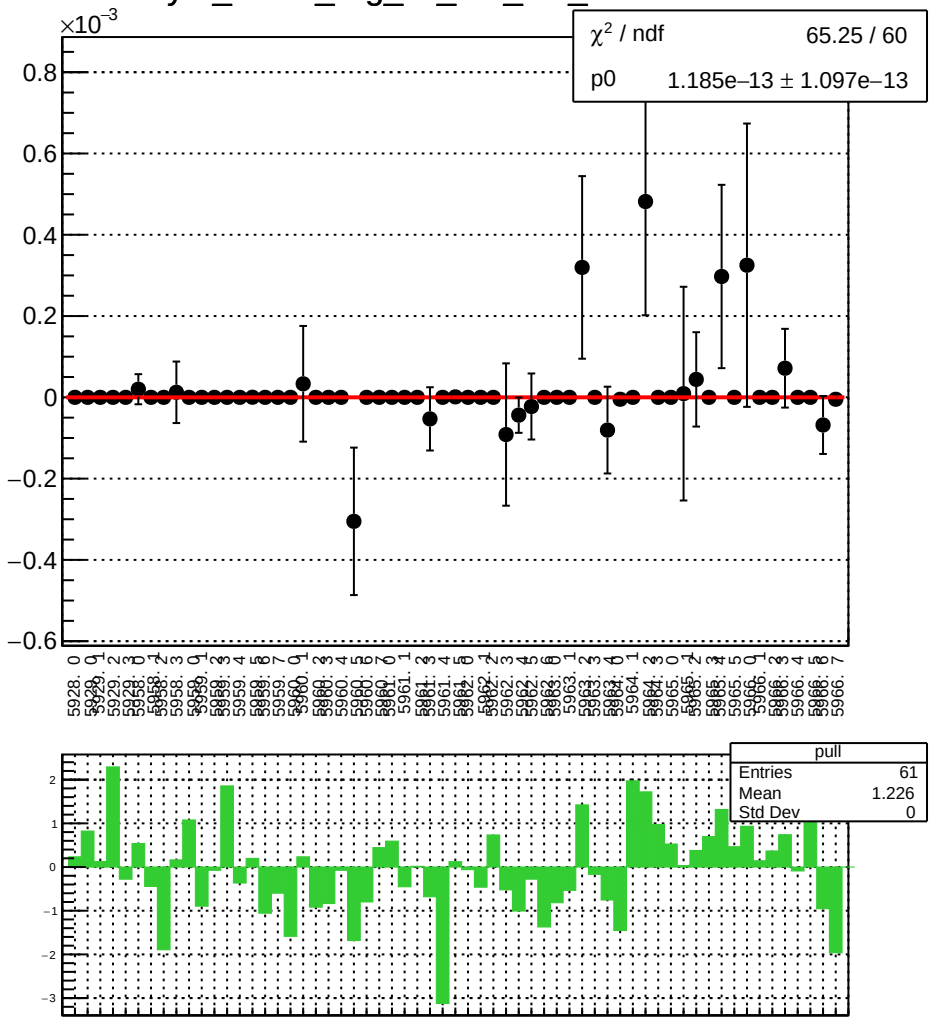

pull1D
Entries 61
Mean 0.04033
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

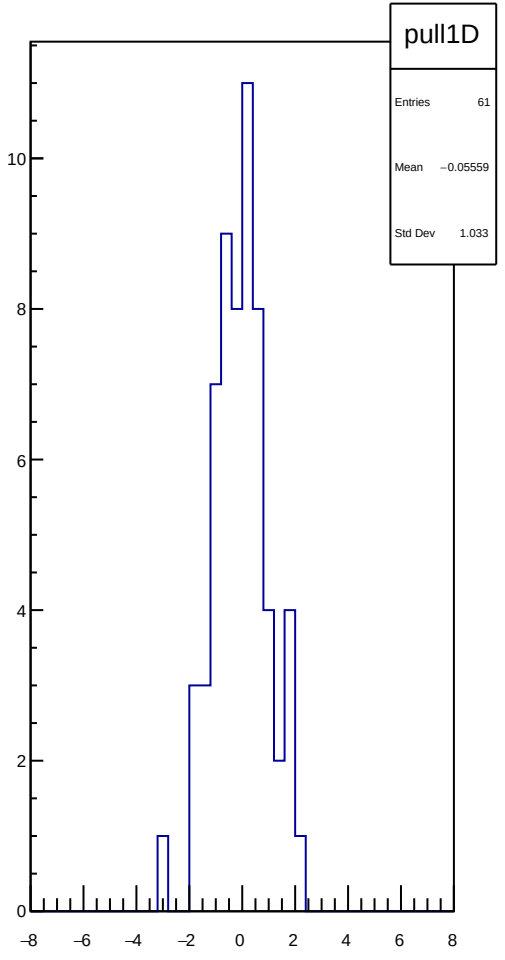

asym_sam7_eigen_dit_correction_rms vs run
χ^2 / ndf 5.461e+04 / 60
p0 666.7 ± 0.6249
900
800
700
600
500
400

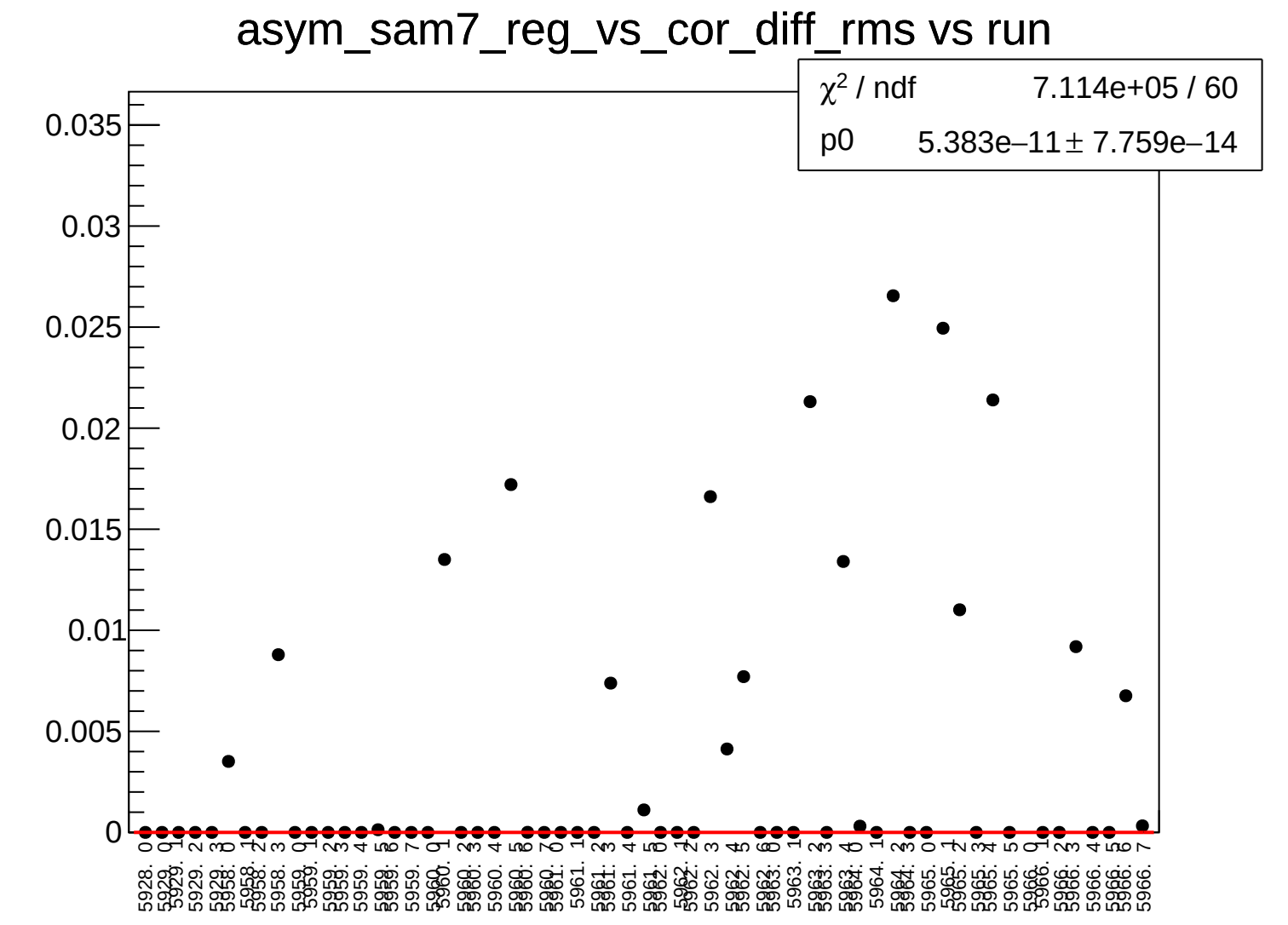

asym_sam7_mean vs run
χ² / ndf 72.08 / 60
p0 1155 ± 886.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 50.48
Std Dev 0
2
1
0
−1
−2
−3

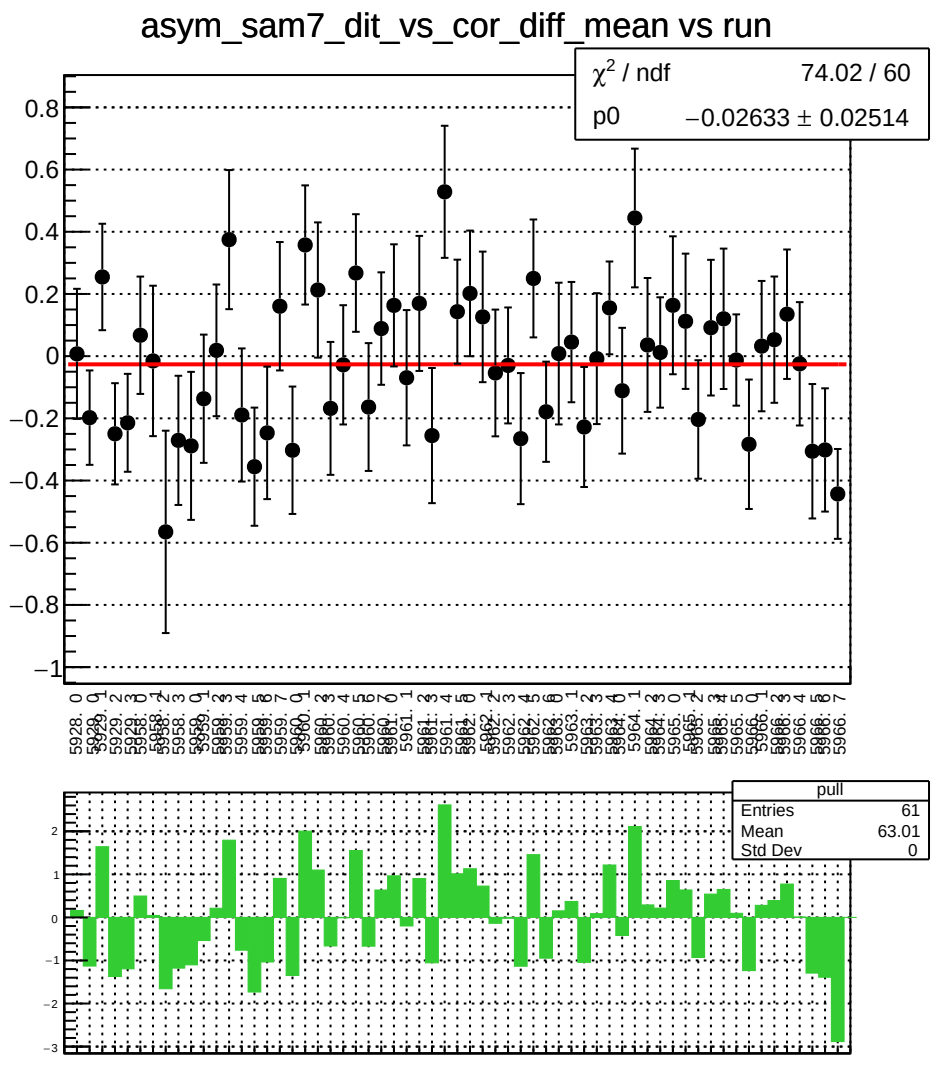

pull1D
Entries 61
Mean −0.03673
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

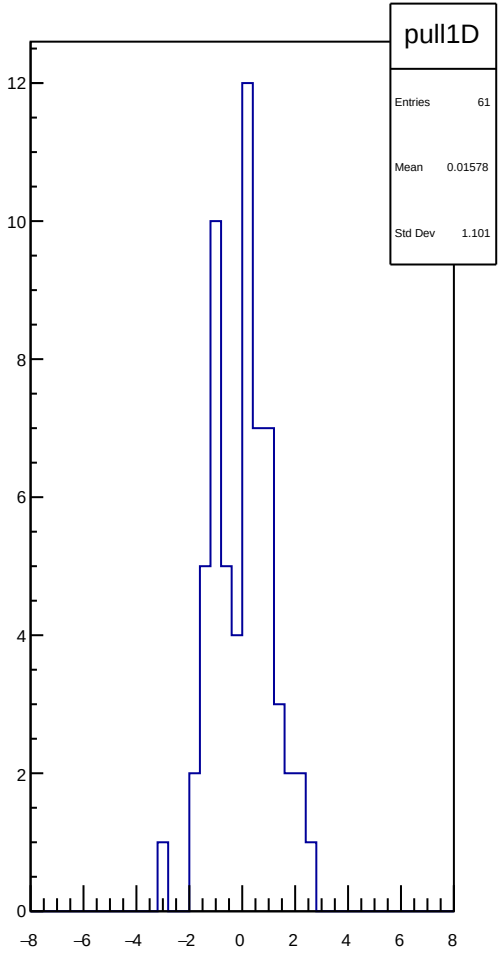

asym_sam7_rms vs run
χ^2 / ndf 5.42e+04 / 60
p0 668.7 ± 0.6267
900
800
700
600
500
400

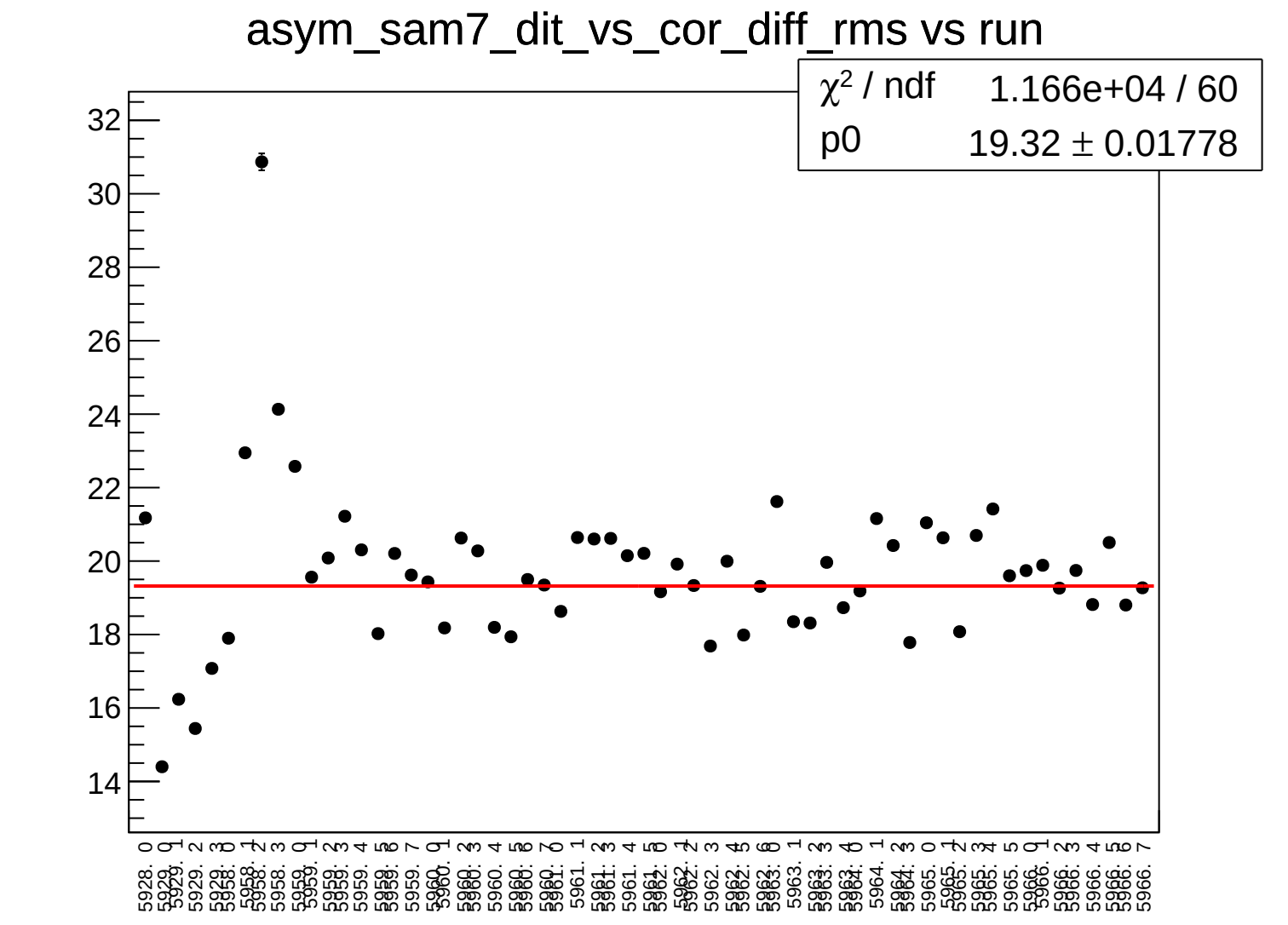

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 65.25 / 60
p0 1.185e−13 ± 1.097e−13
pull
Entries 61
Mean 1.226
Std Dev 0

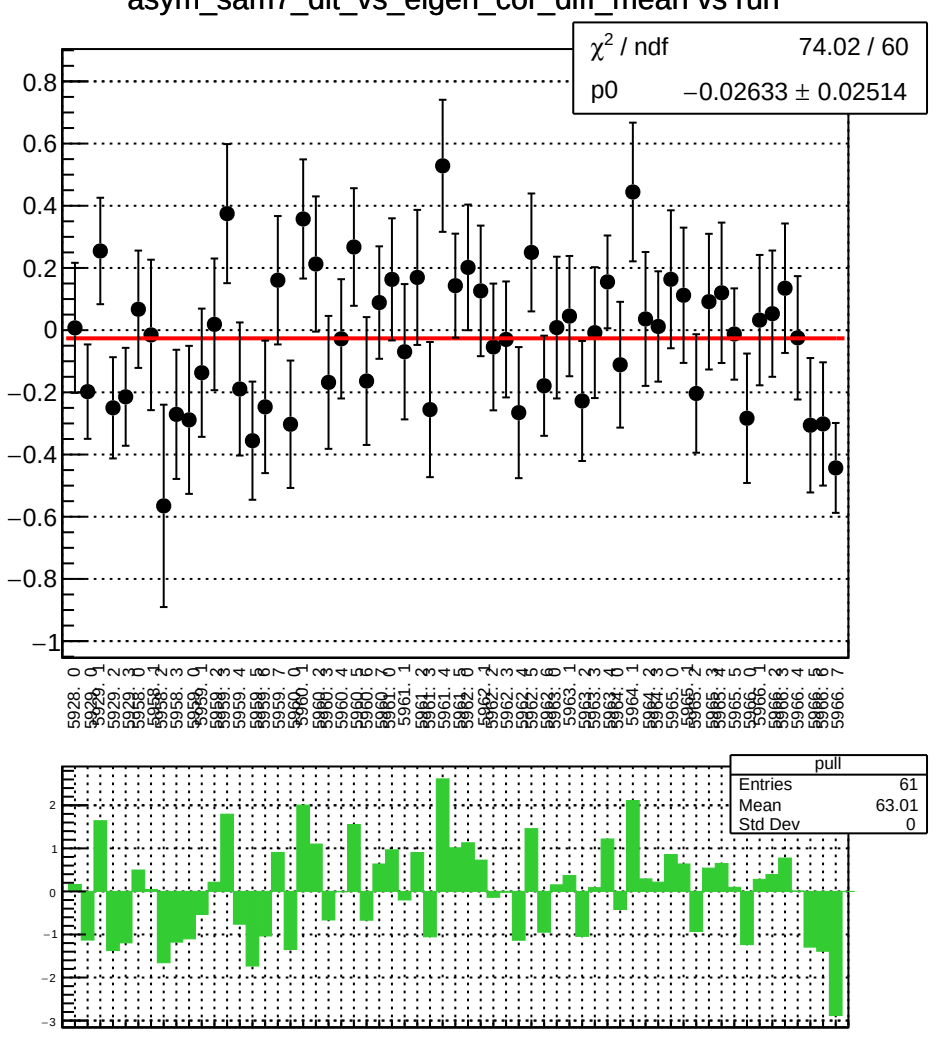

pull1D
Entries 61
Mean −0.05559
Std Dev 1.033

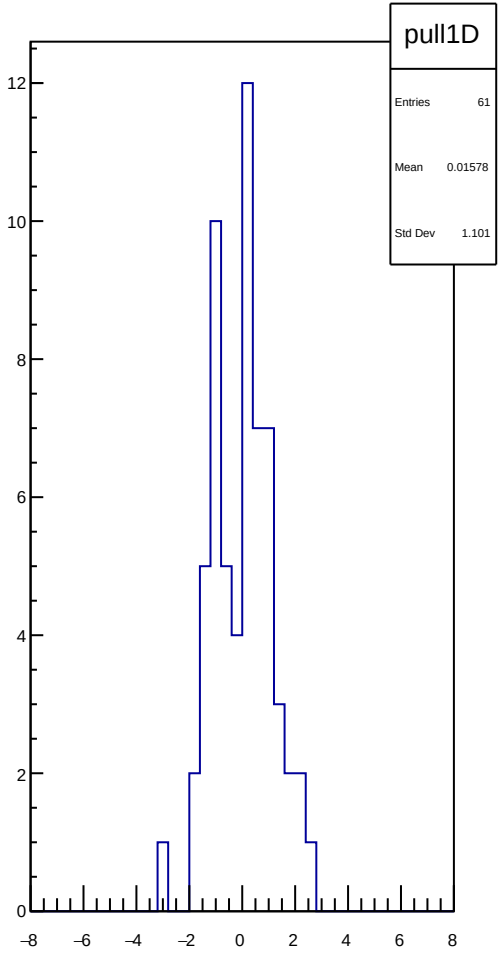

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 7.114e+05 / 60
p0 5.383e−11 ± 7.759e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

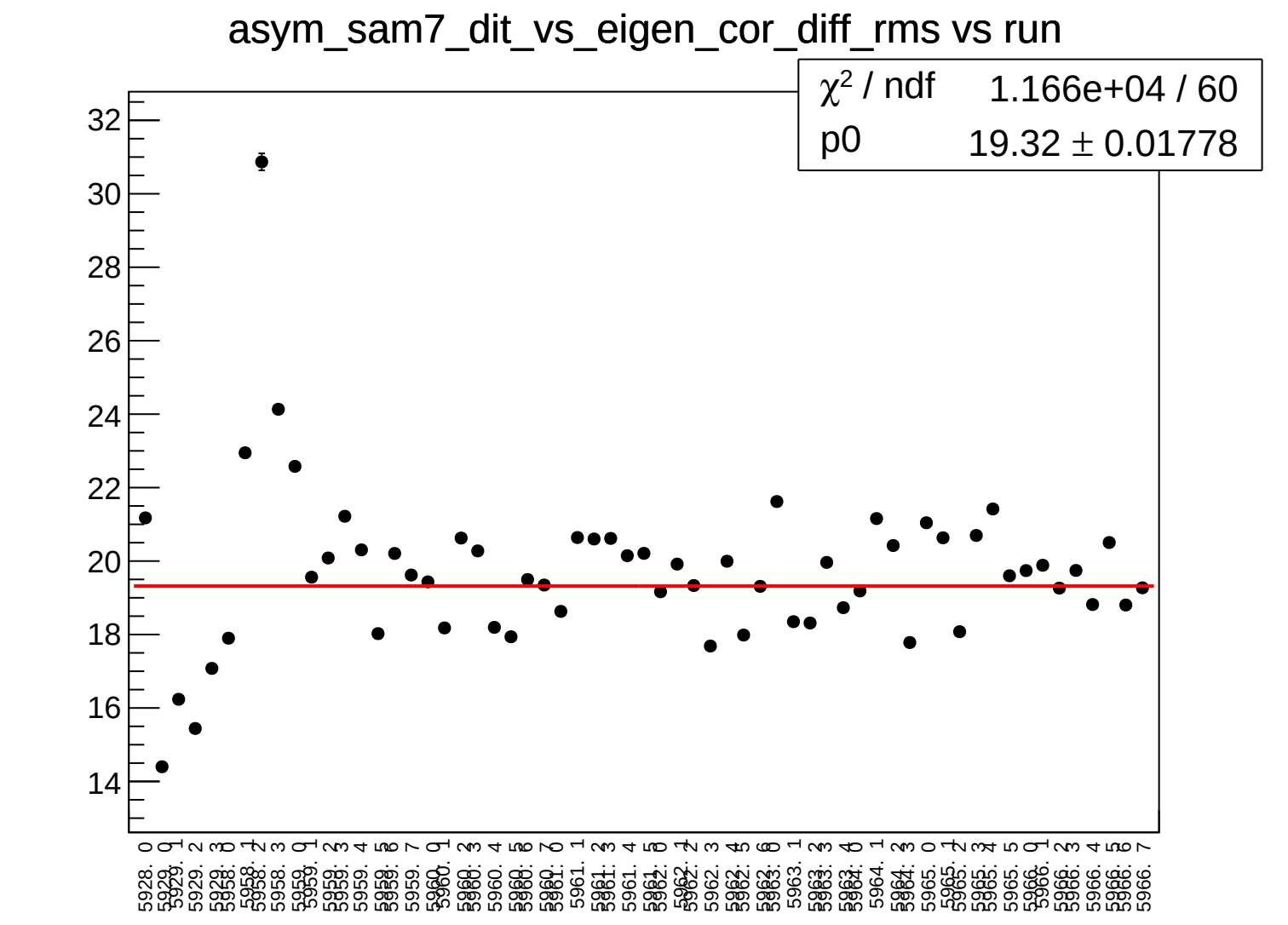

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 74.02 / 60
p0 −0.02633 ± 0.02514
pull
Entries 61
Mean 63.01
Std Dev 0

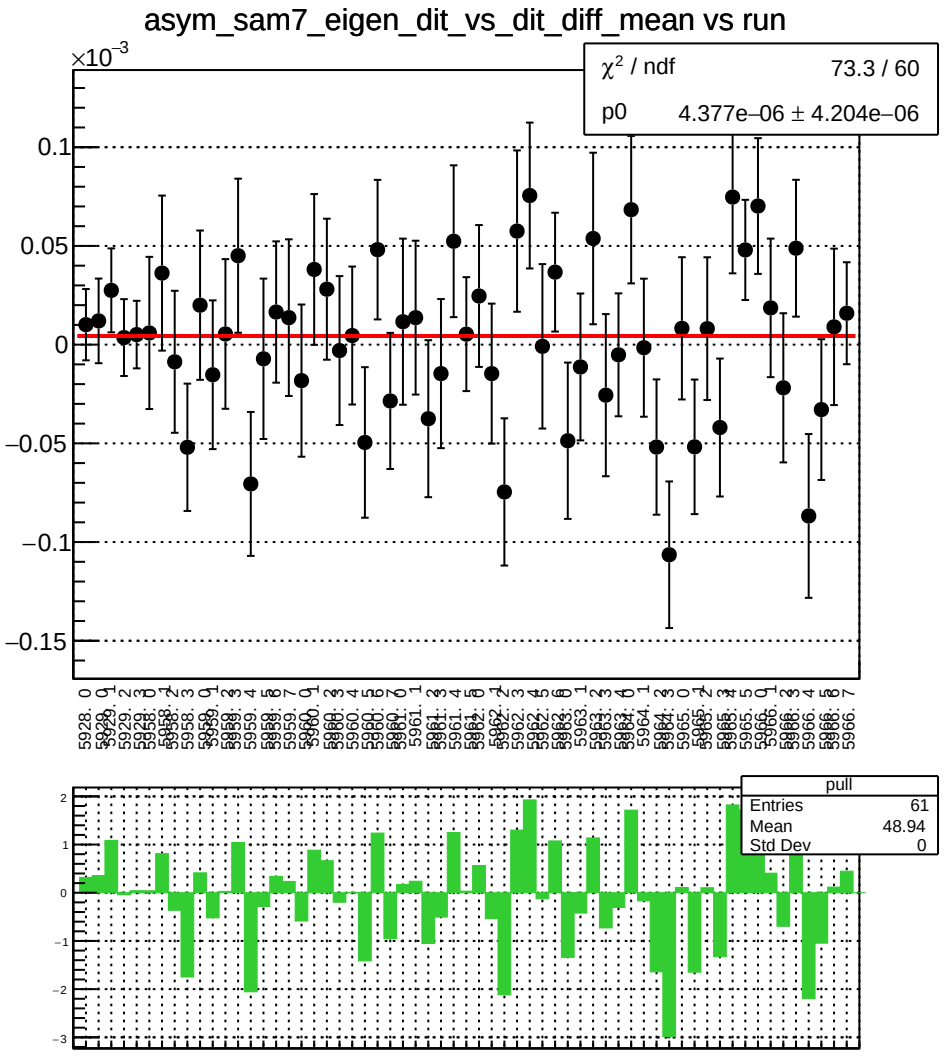

pull1D
Entries 61
Mean 0.01578
Std Dev 1.101

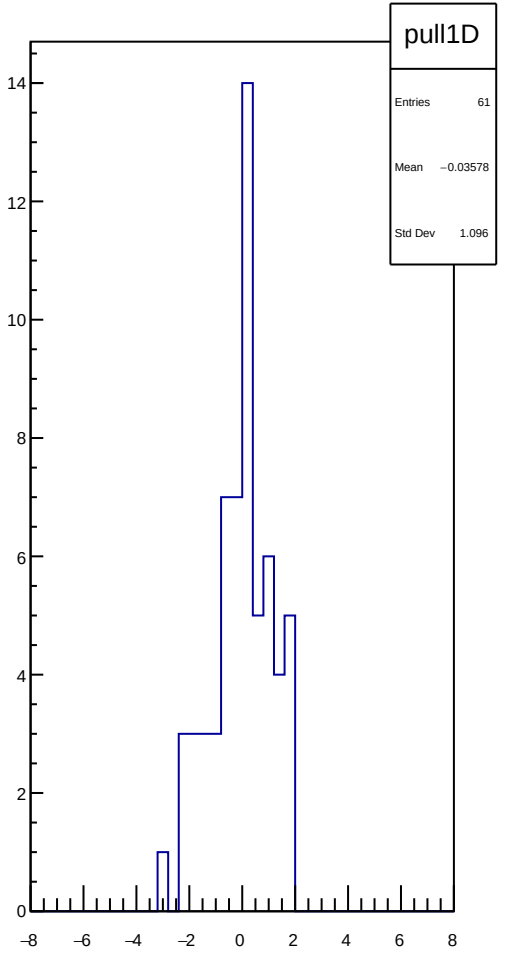

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.166e+04 / 60
p0 19.32 ± 0.01778
32
30
28
26
24
22
20
18
16
14

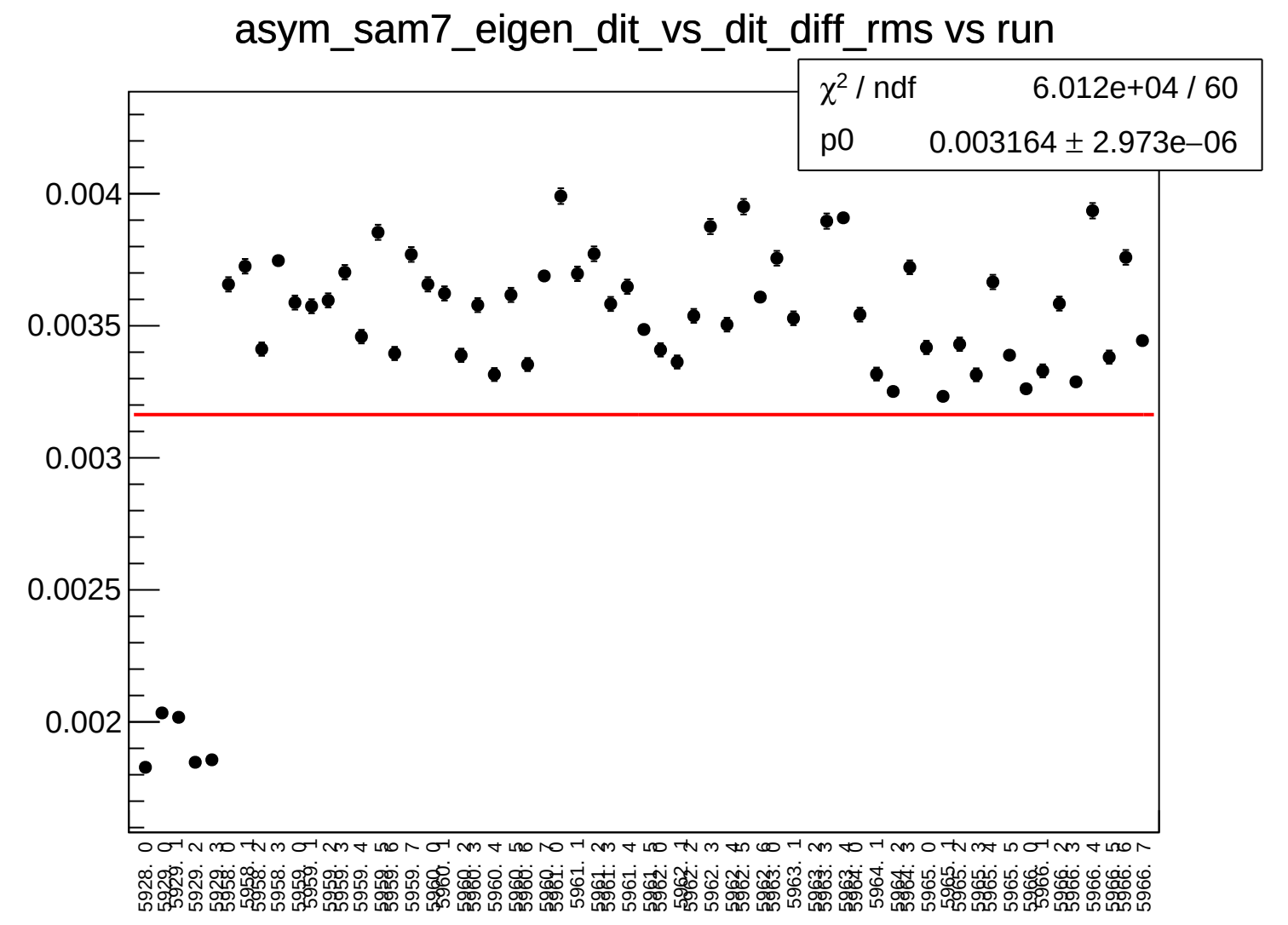

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.02 / 60
p0 −0.02633 ± 0.02514
pull
Entries 61
Mean 63.01
Std Dev 0

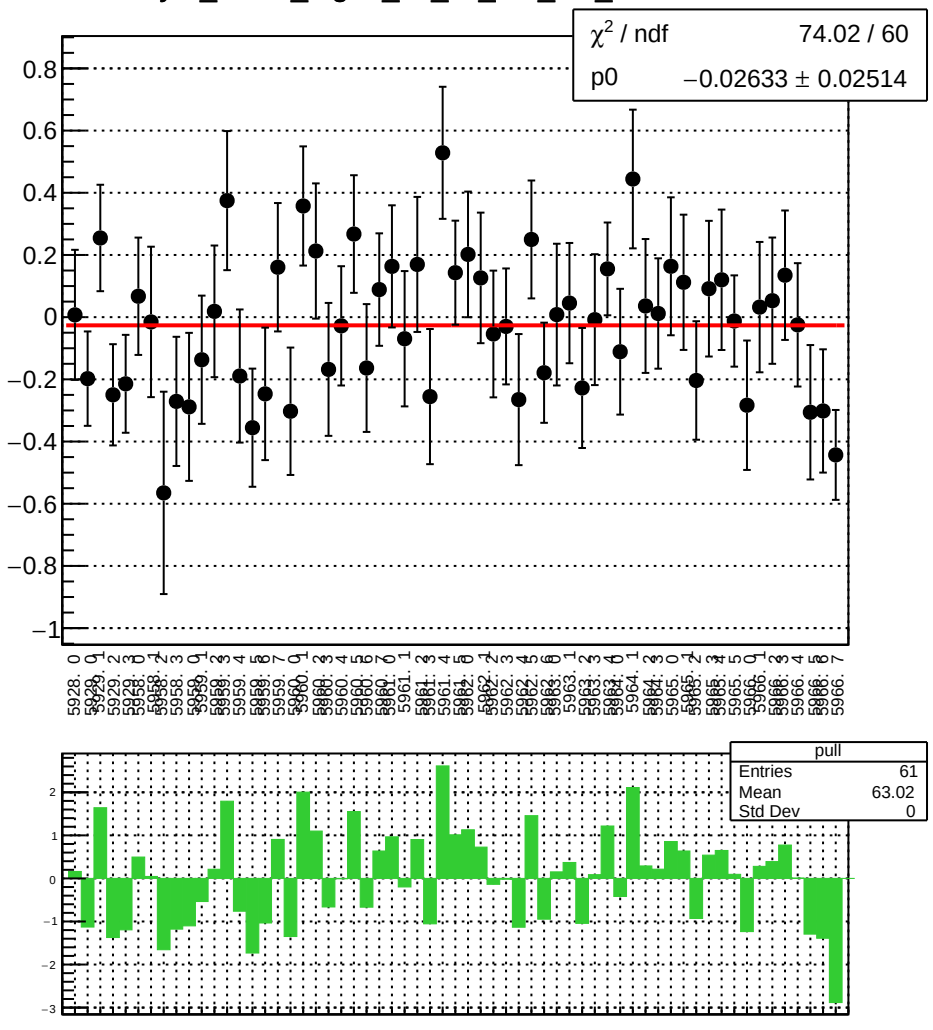

pull1D
Entries 61
Mean 0.01578
Std Dev 1.101

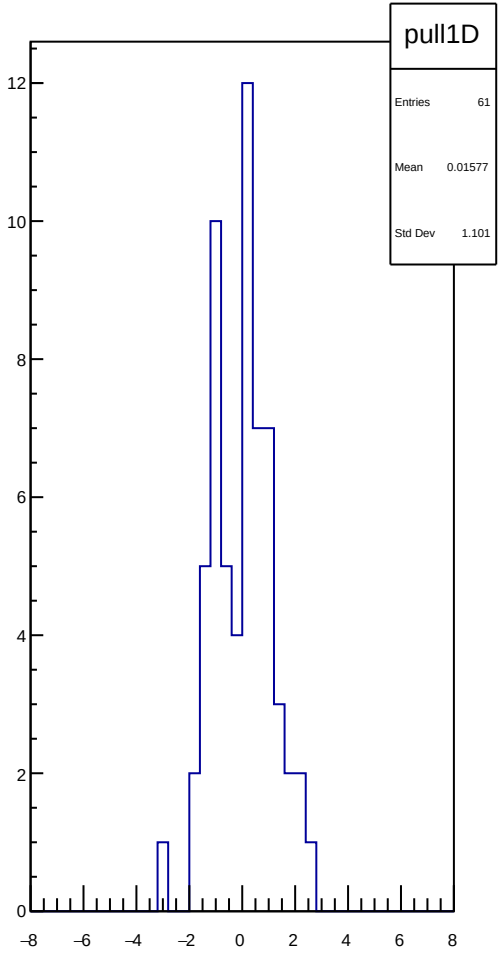

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.166e+04 / 60
p0 19.32 ± 0.01778
32
30
28
26
24
22
20
18
16
14

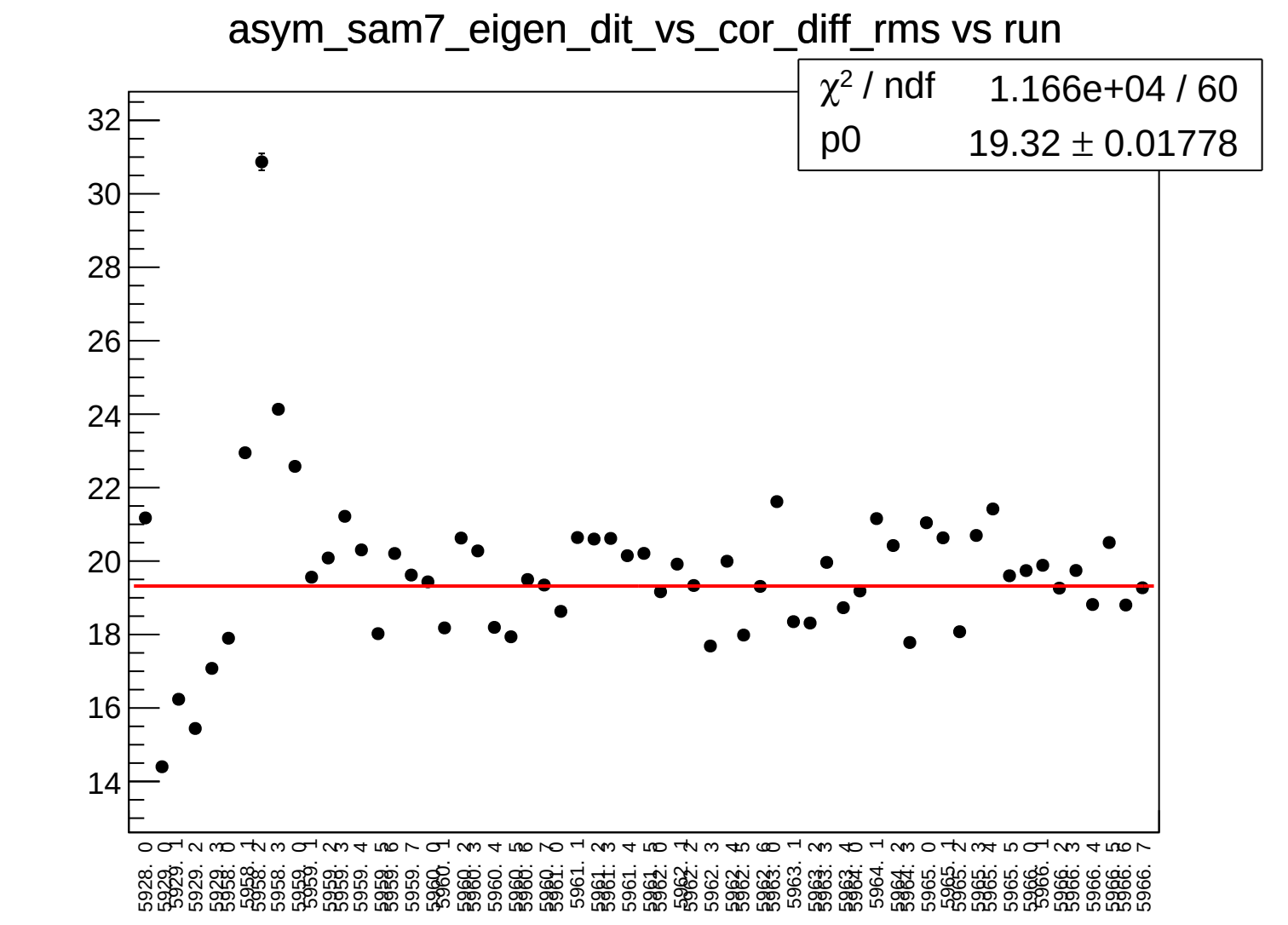

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.3 / 60
p0 4.377e−06 ± 4.204e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 61
Mean 48.94
Std Dev 0
2
1
0
−1
−2
−3

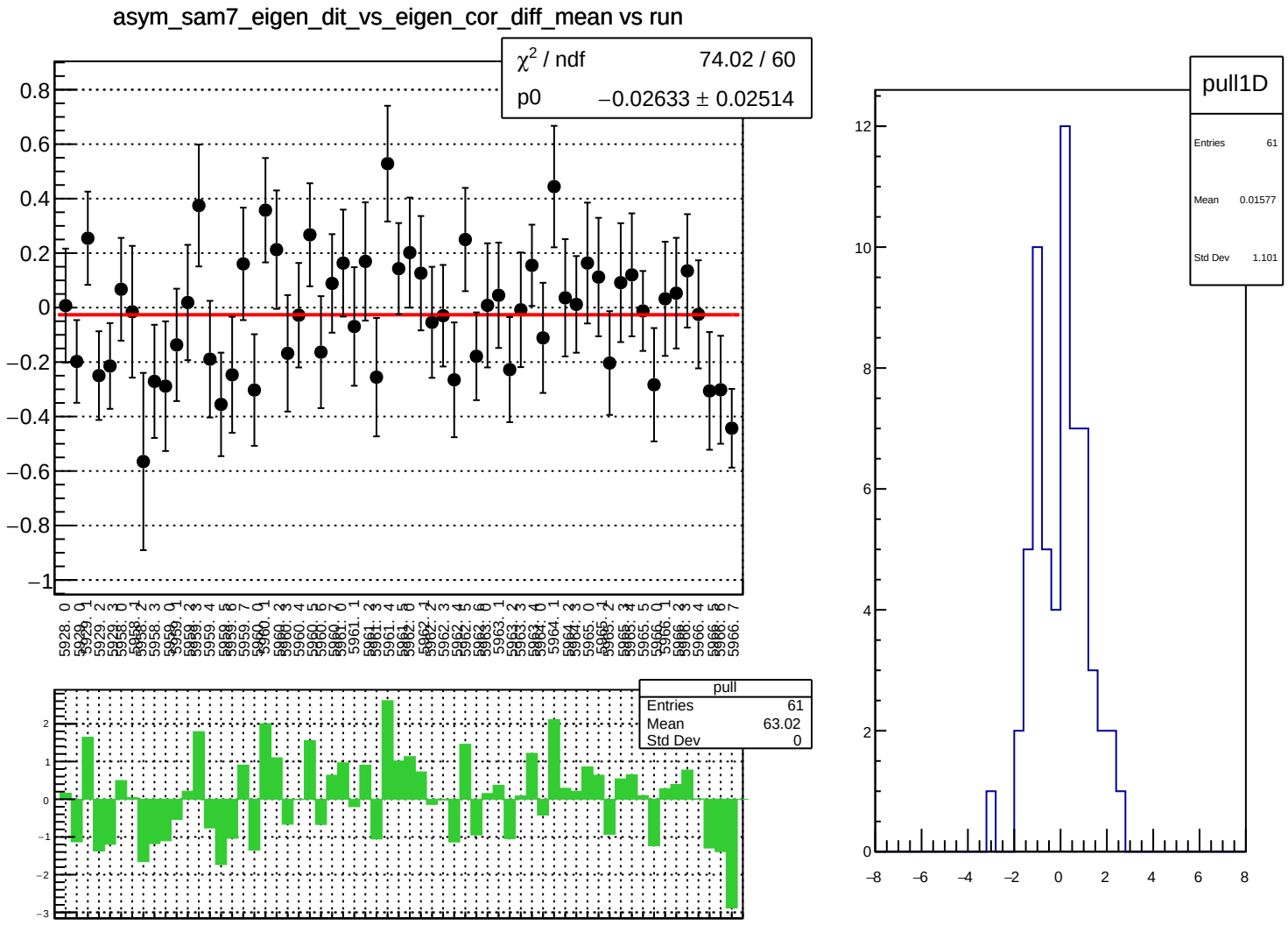

pull1D
Entries 61
Mean −0.03578
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

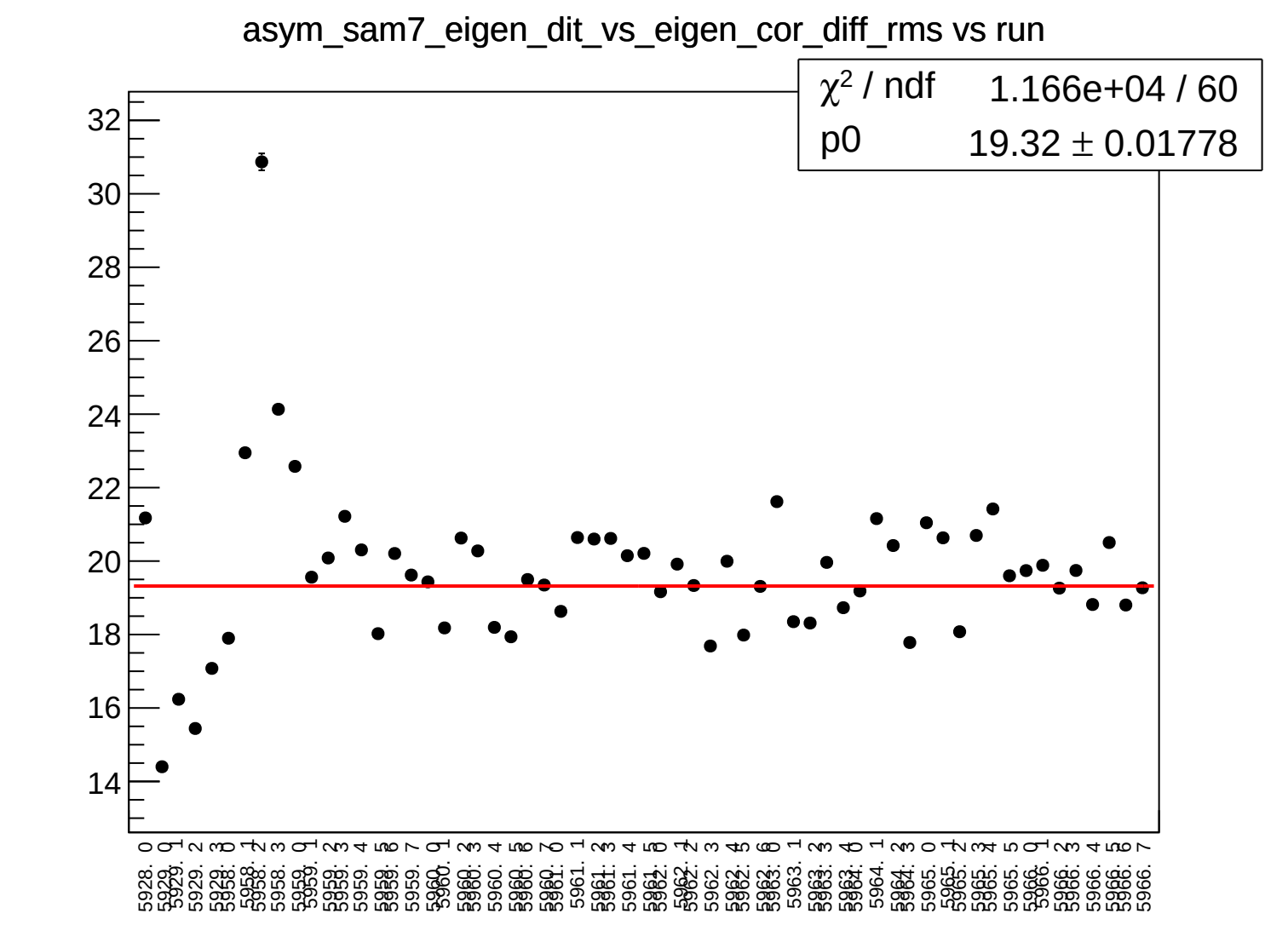

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.012e+04 / 60
p0 0.003164 ± 2.973e−06
0.004
0.0035
0.003
0.0025
0.002

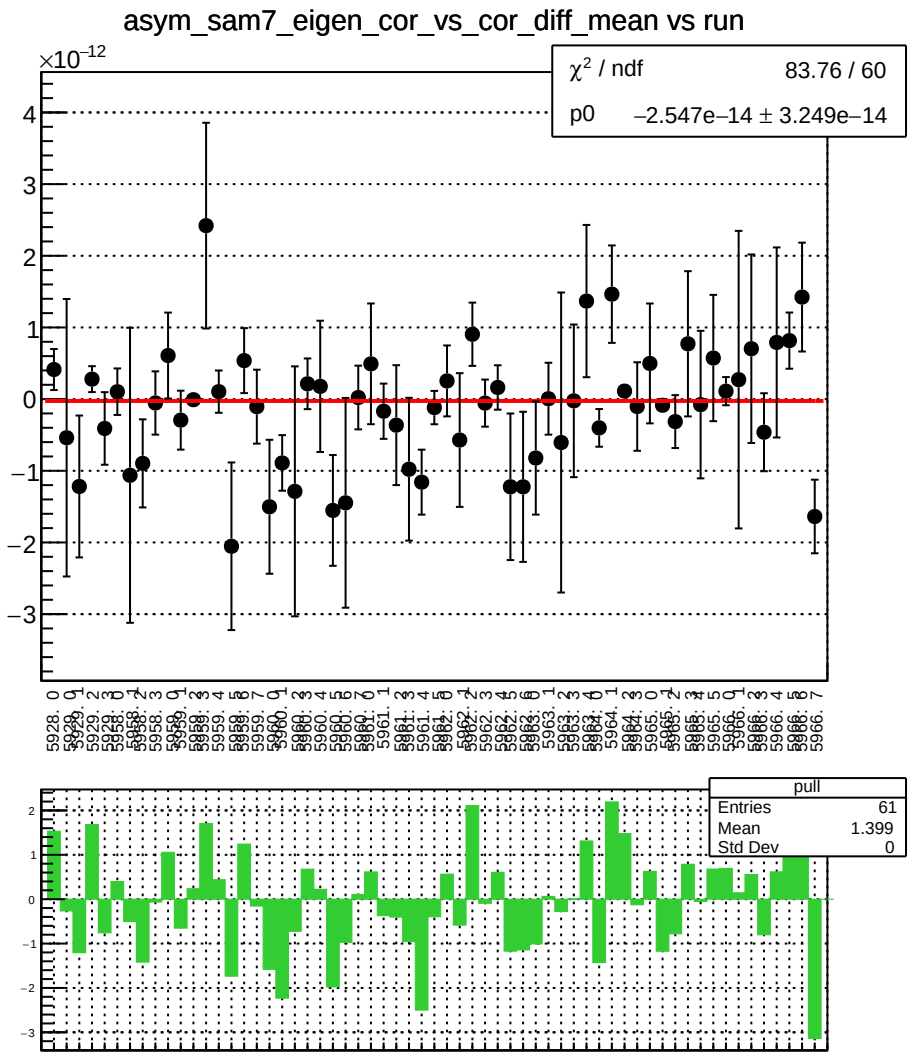

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.02 / 60
p0 −0.02633 ± 0.02514
pull
Entries 61
Mean 63.02
Std Dev 0

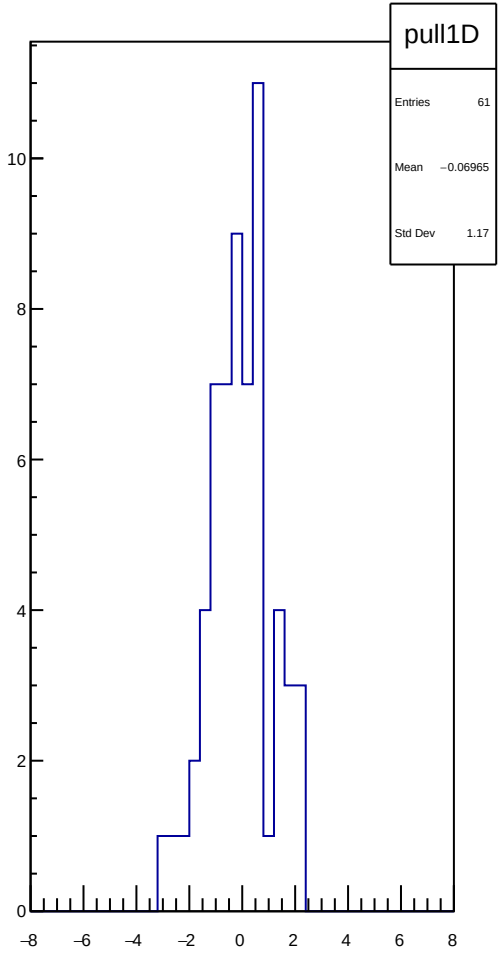

pull1D
Entries 61
Mean 0.01577
Std Dev 1.101

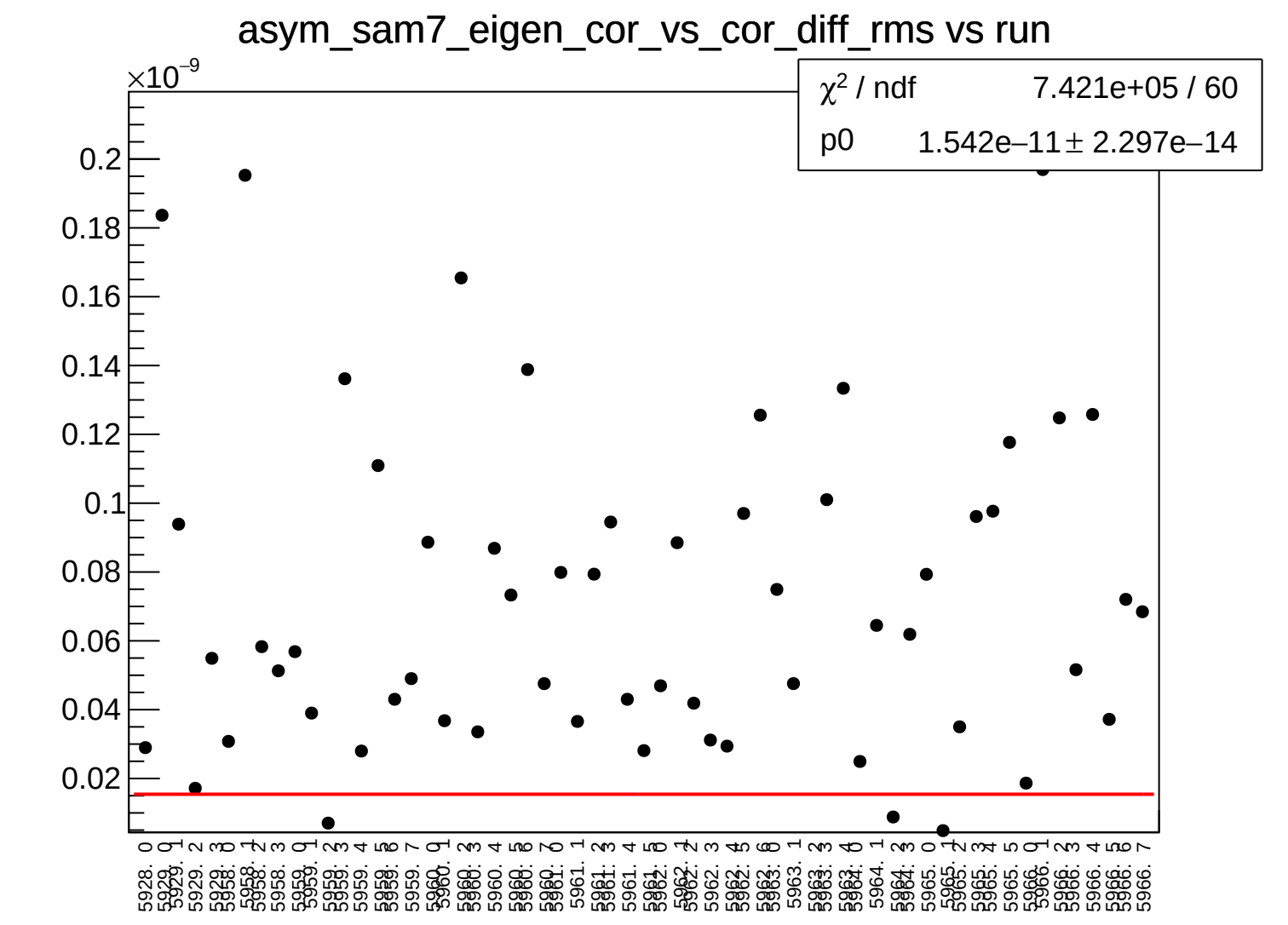

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.166e+04 / 60
p0 19.32 ± 0.01778
32
30
28
26
24
22
20
18
16
14

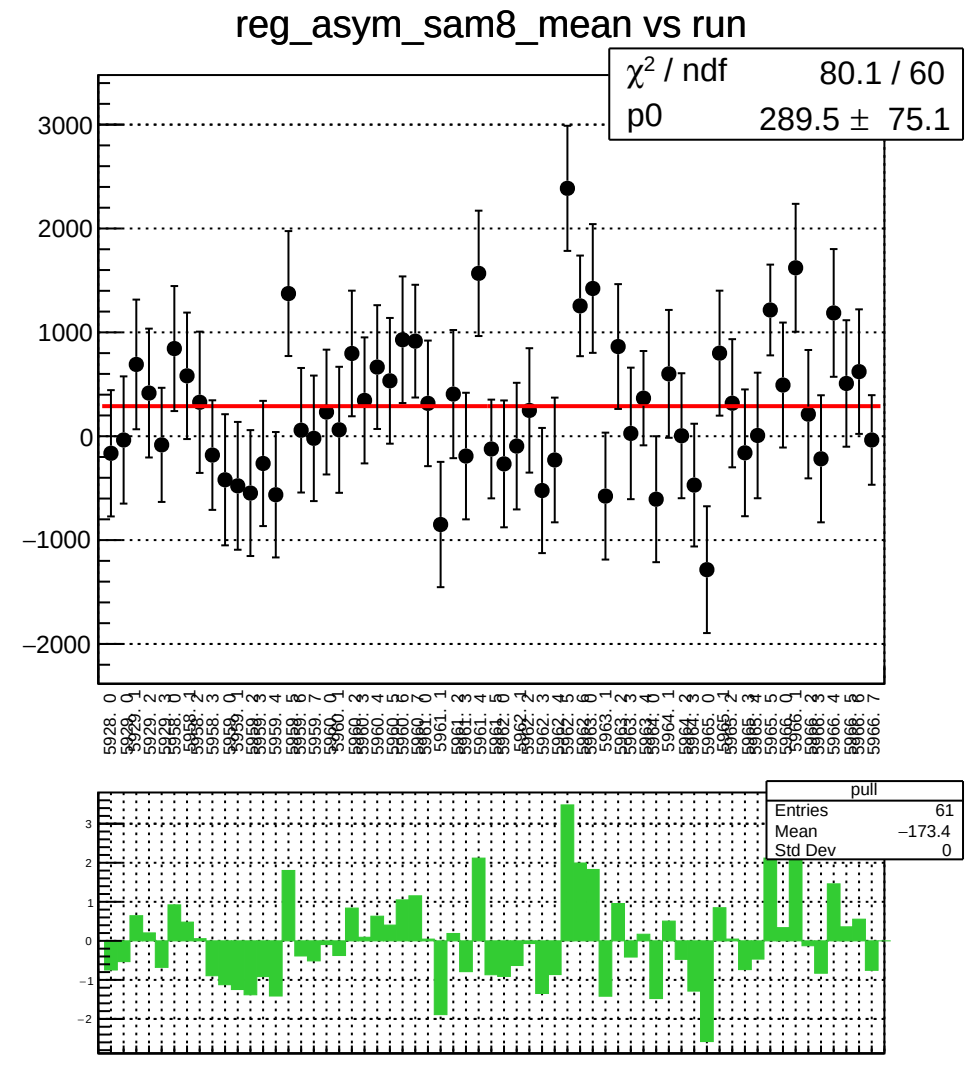

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.02 / 60
p0 −0.02633 ± 0.02514
pull
Entries 61
Mean 63.02
Std Dev 0
pull1D
Entries 61
Mean 0.01577
Std Dev 1.101

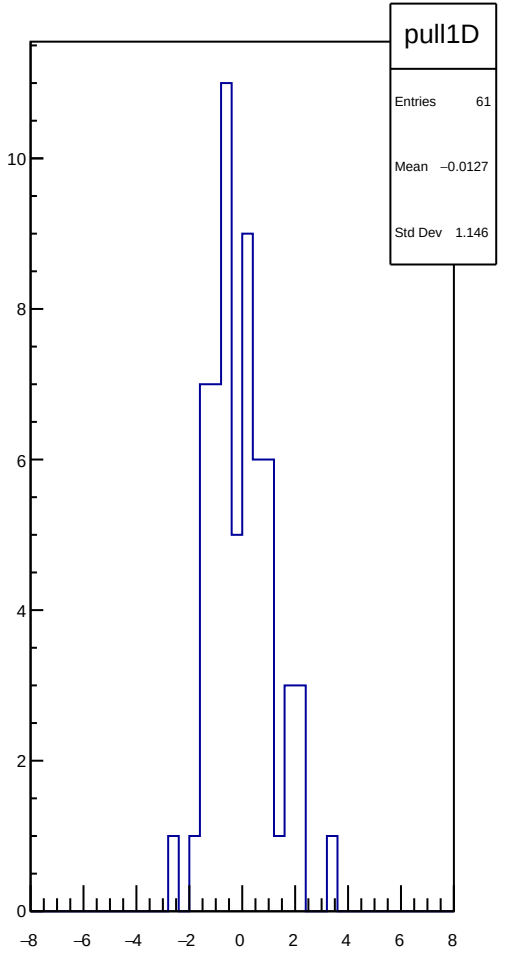

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.166e+04 / 60
p0 19.32 ± 0.01778
32
30
28
26
24
22
20
18
16
14

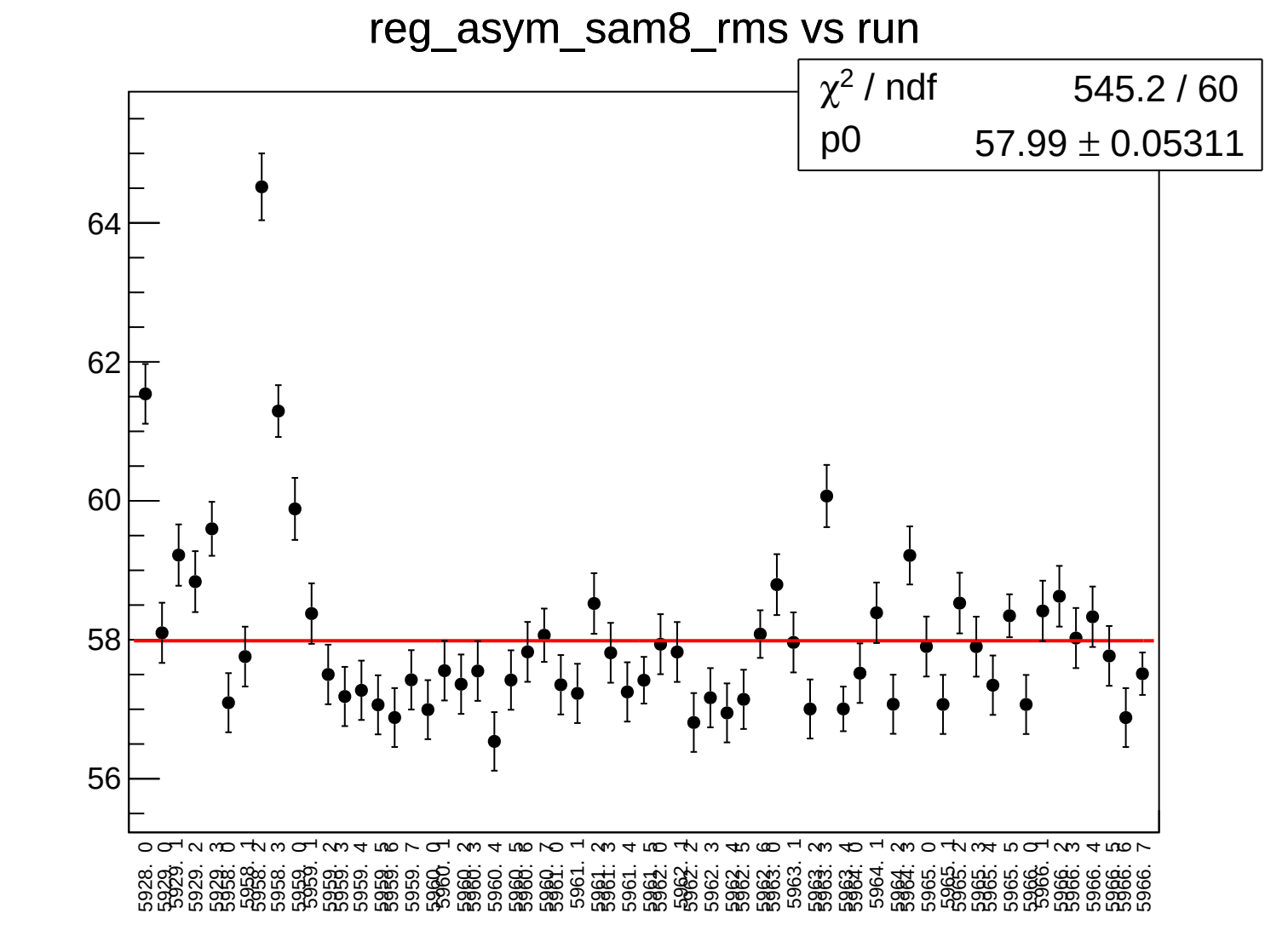

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.76 / 60
p0 −2.547e−14 ± 3.249e−14
pull
Entries 61
Mean 1.399
Std Dev 0

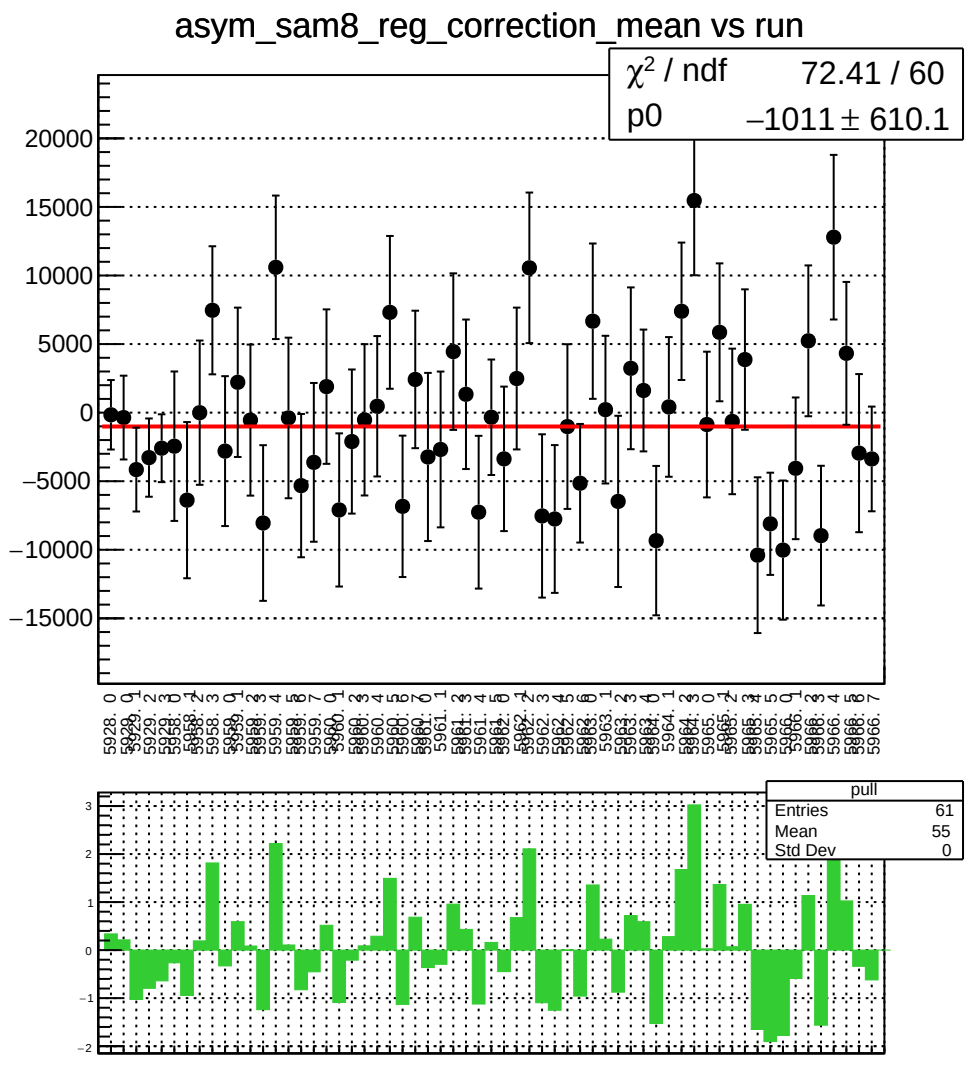

pull1D
Entries 61
Mean −0.06965
Std Dev 1.17

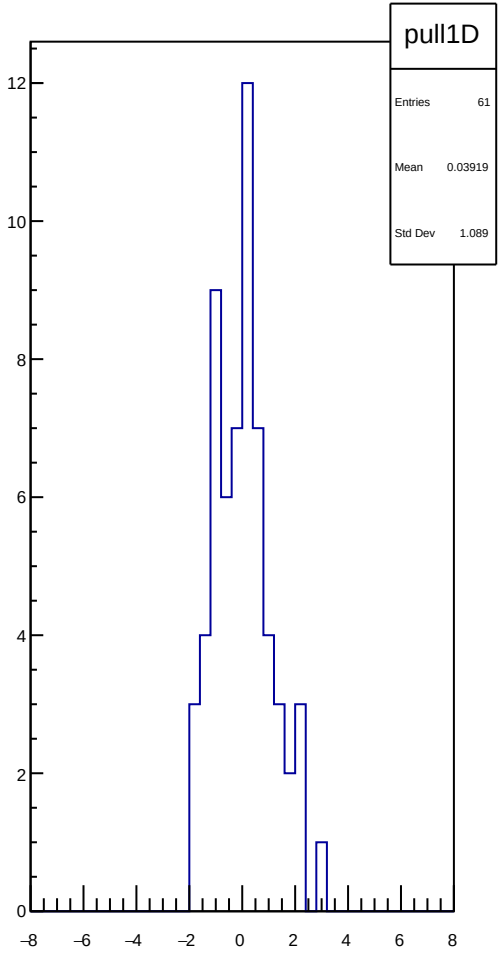

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.421e+05 / 60
p0 1.542e−11 ± 2.297e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

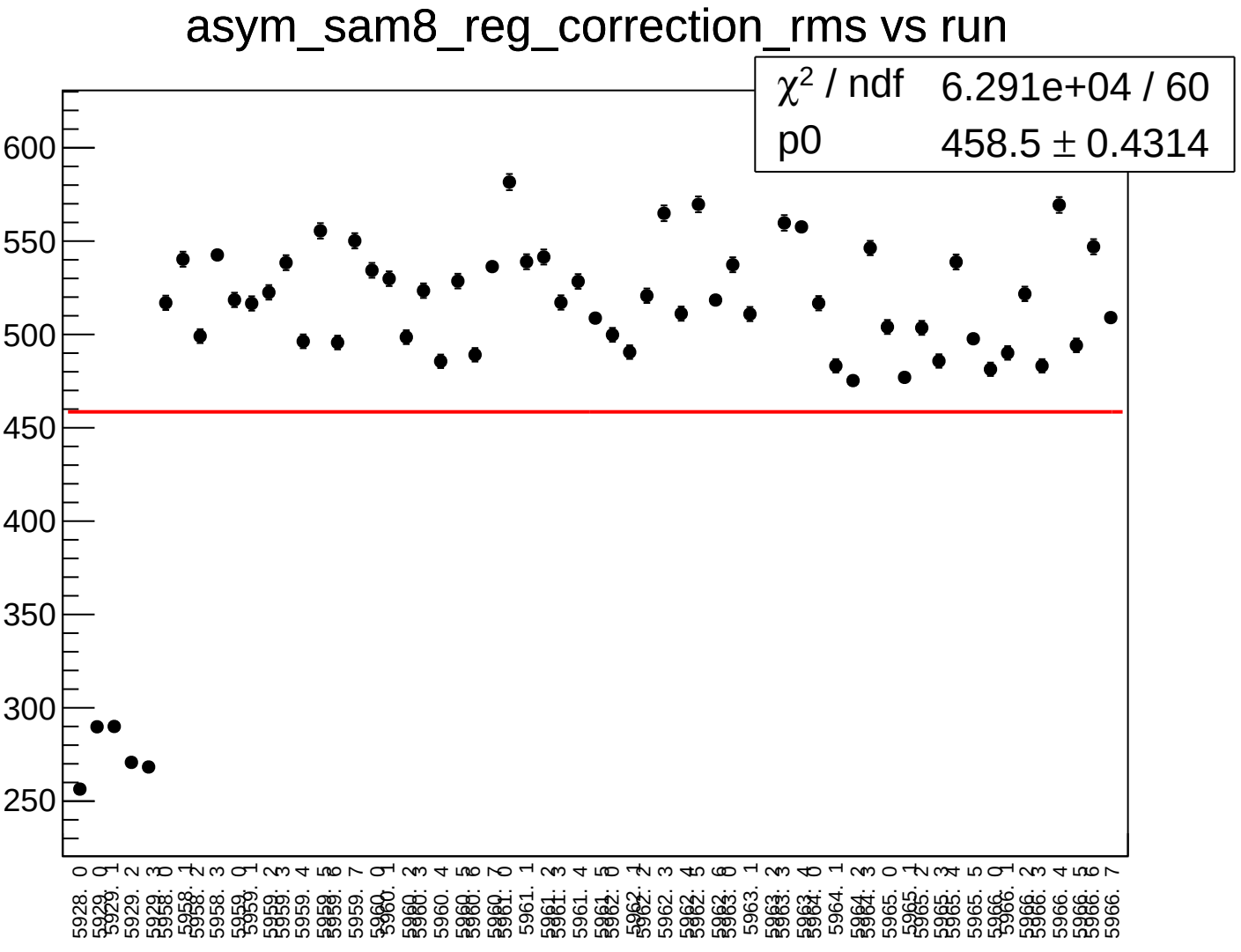

reg_asym_sam8_mean vs run
χ² / ndf 80.1 / 60
p0 289.5 ± 75.1
pull
Entries 61
Mean −173.4
Std Dev 0

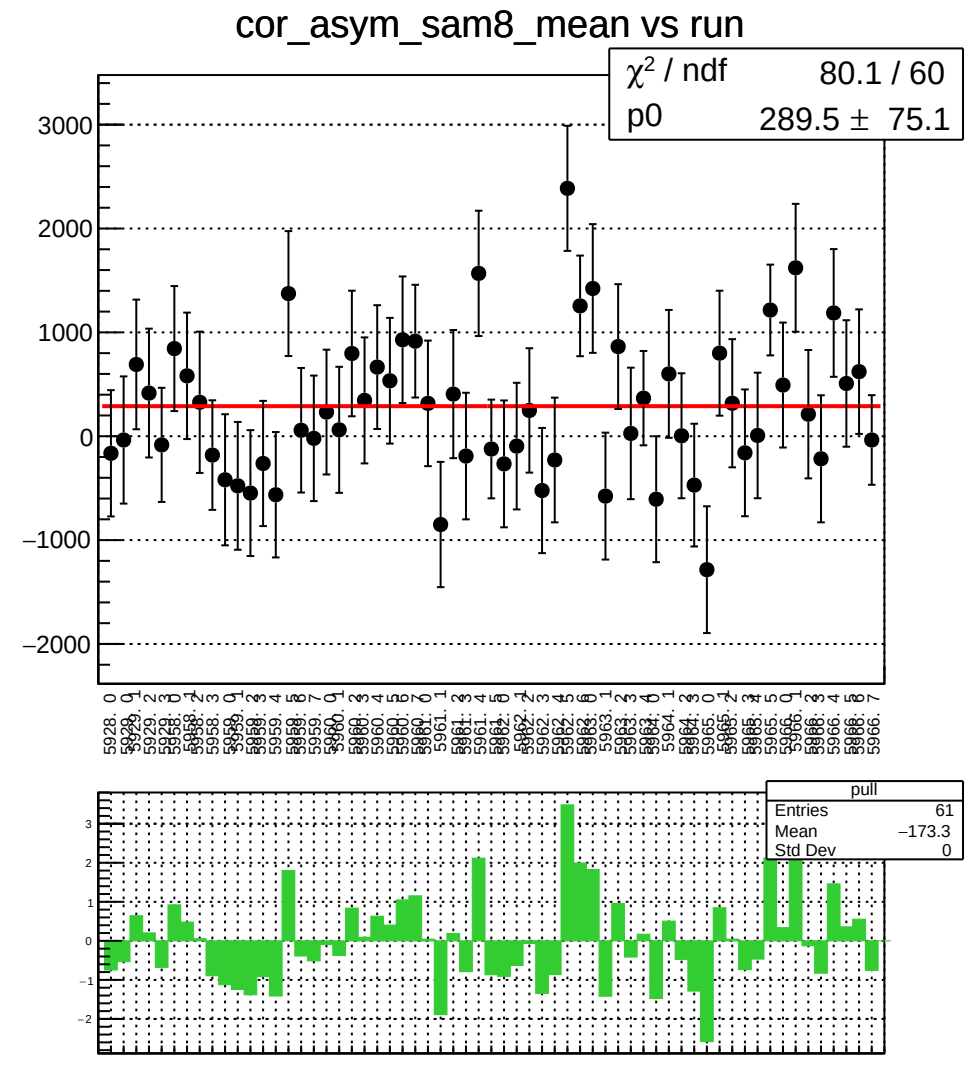

pull1D
Entries 61
Mean −0.0127
Std Dev 1.146

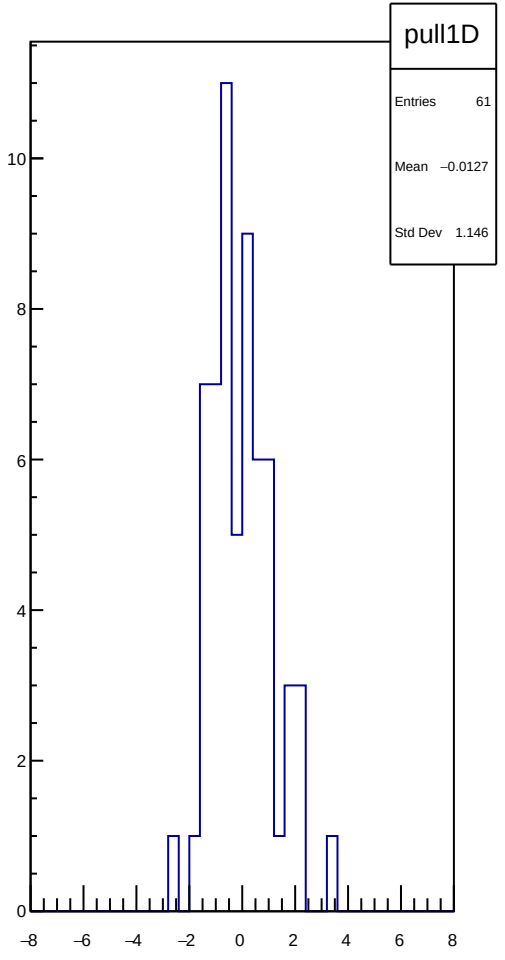

reg_asym_sam8_rms vs run
χ² / ndf 545.2 / 60
p0 57.99 ± 0.05311
64
62
60
58
56

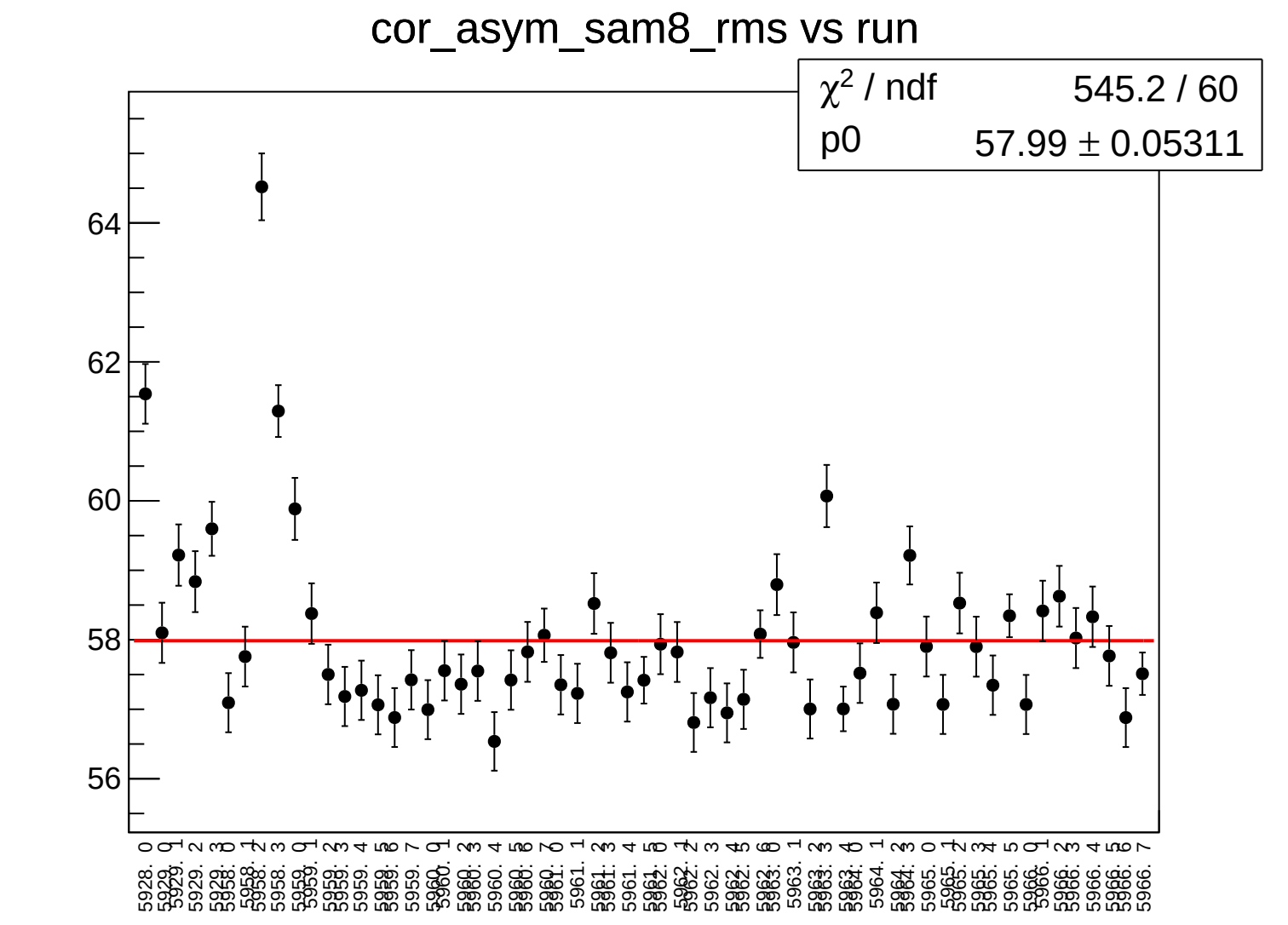

asym_sam8_reg_correction_mean vs run
χ² / ndf 72.41 / 60
p0 −1011 ± 610.1
pull
Entries 61
Mean 55
Std Dev 0

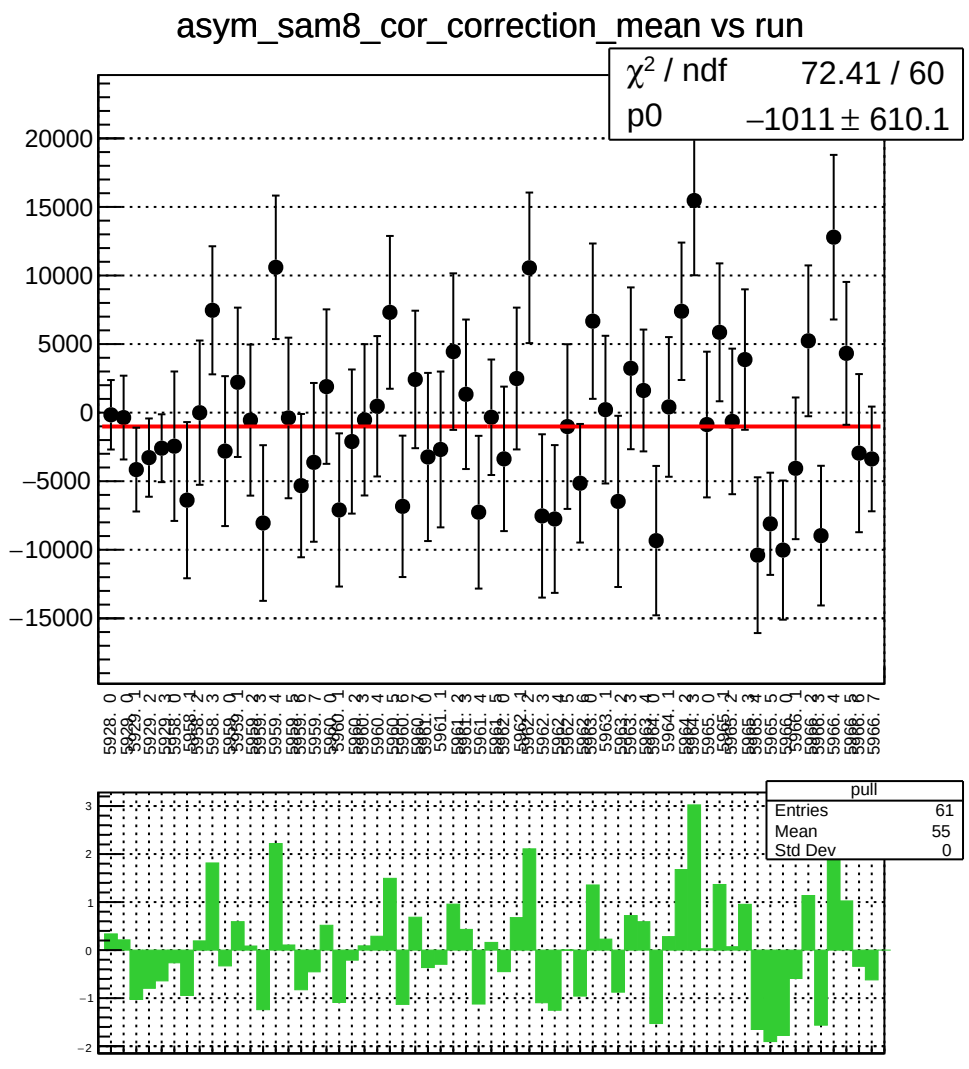

pull1D
Entries 61
Mean 0.03919
Std Dev 1.089

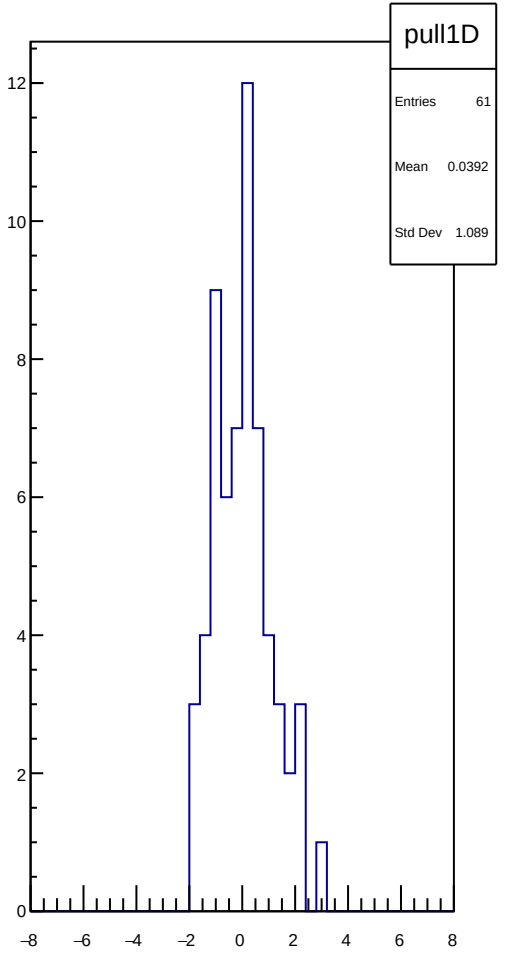

asym_sam8_reg_correction_rms vs run
χ² / ndf 6.291e+04 / 60
p0 458.5 ± 0.4314
600
550
500
450
400
350
300
250

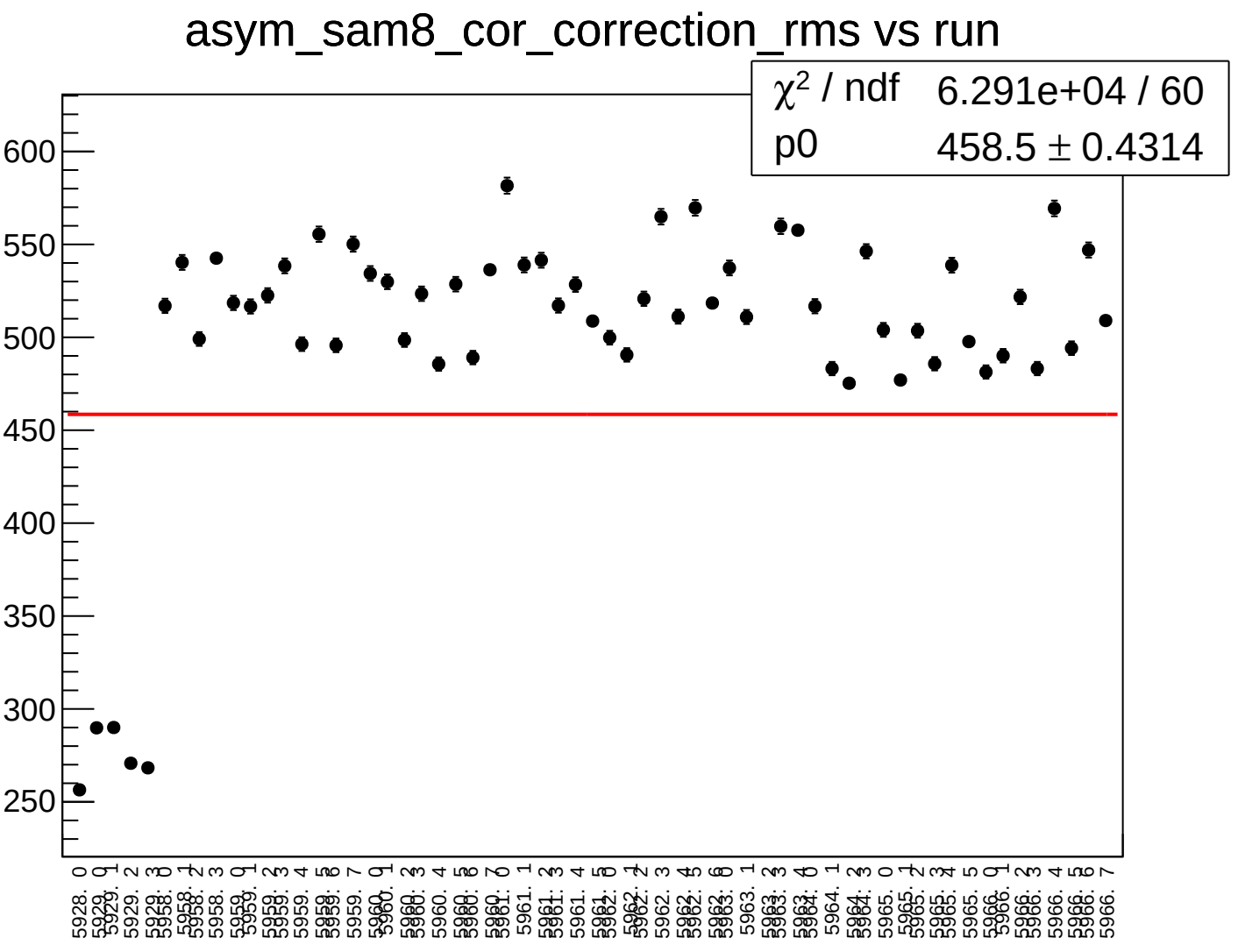

cor_asym_sam8_mean vs run
χ² / ndf 80.1 / 60
p0 289.5 ± 75.1
pull
Entries 61
Mean −173.3
Std Dev 0

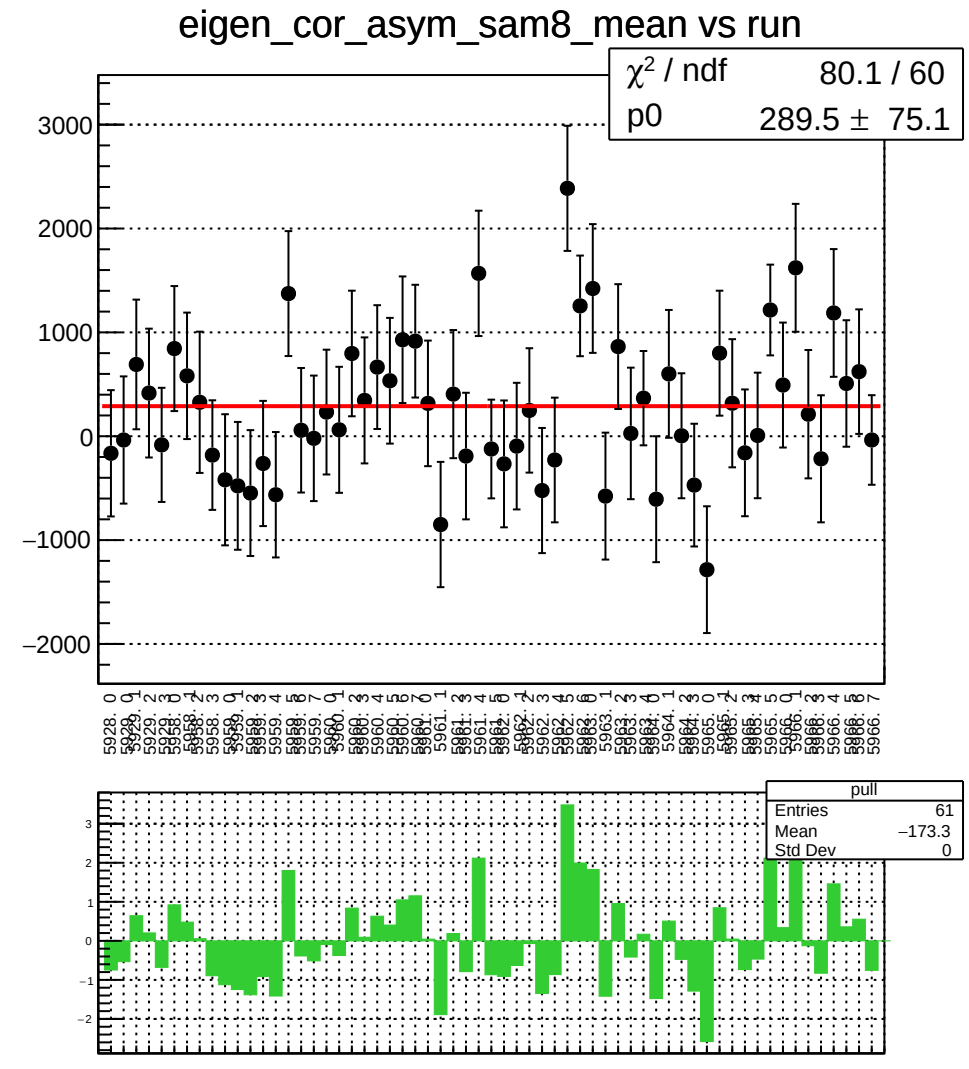

pull1D
Entries 61
Mean −0.0127
Std Dev 1.146

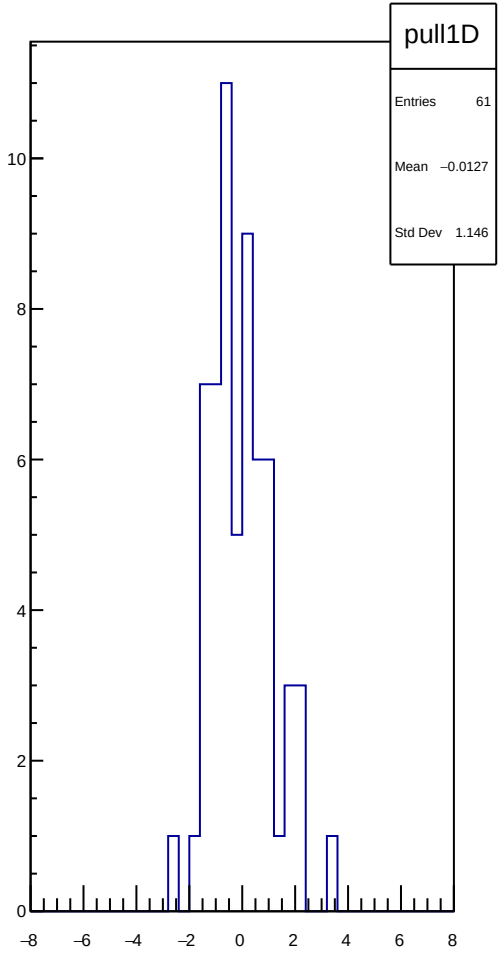

cor_asym_sam8_rms vs run
χ² / ndf 545.2 / 60
p0 57.99 ± 0.05311
64
62
60
58
56

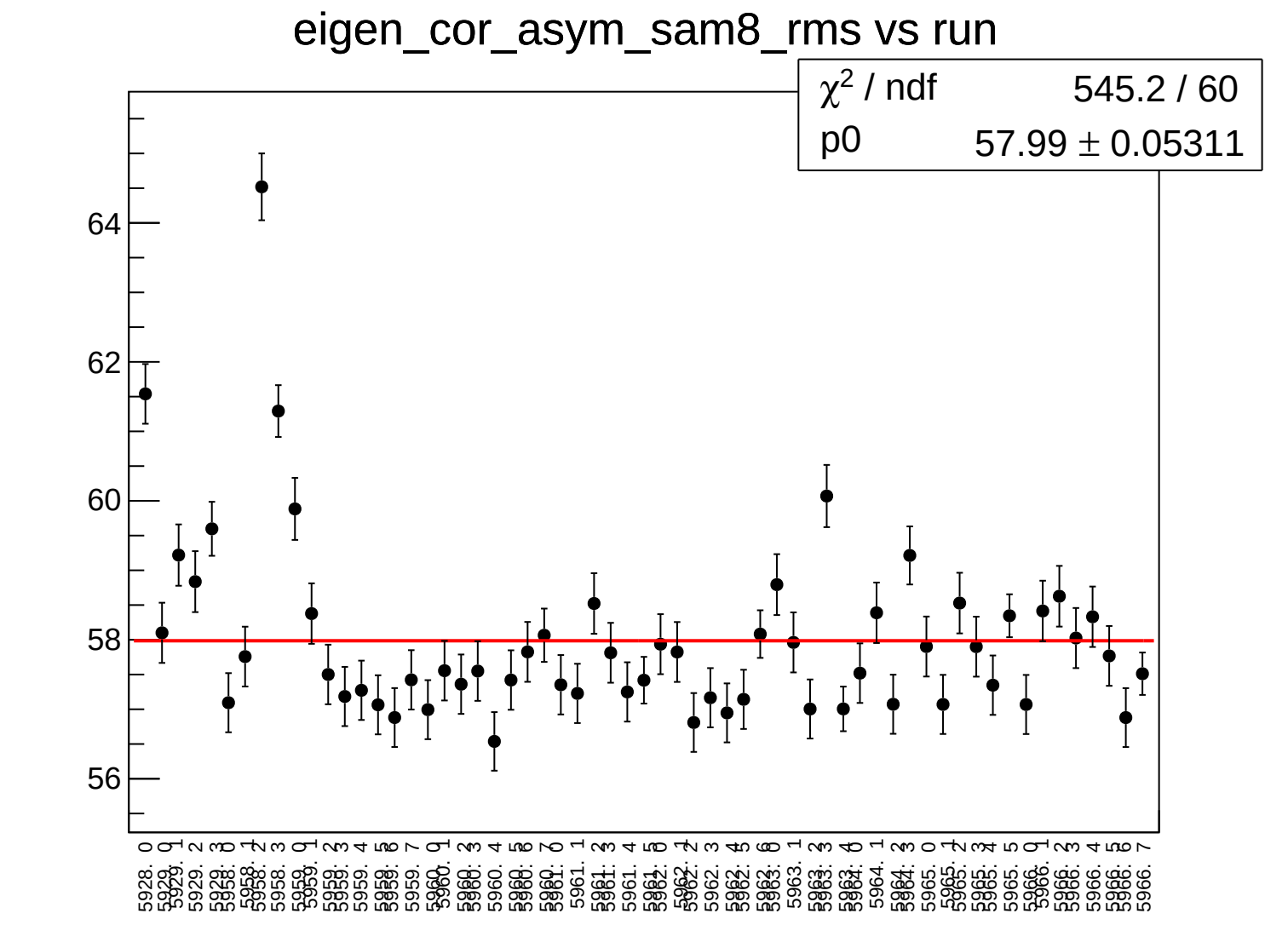

asym_sam8_cor_correction_mean vs run
χ² / ndf 72.41 / 60
p0 −1011 ± 610.1
pull
Entries 61
Mean 55
Std Dev 0

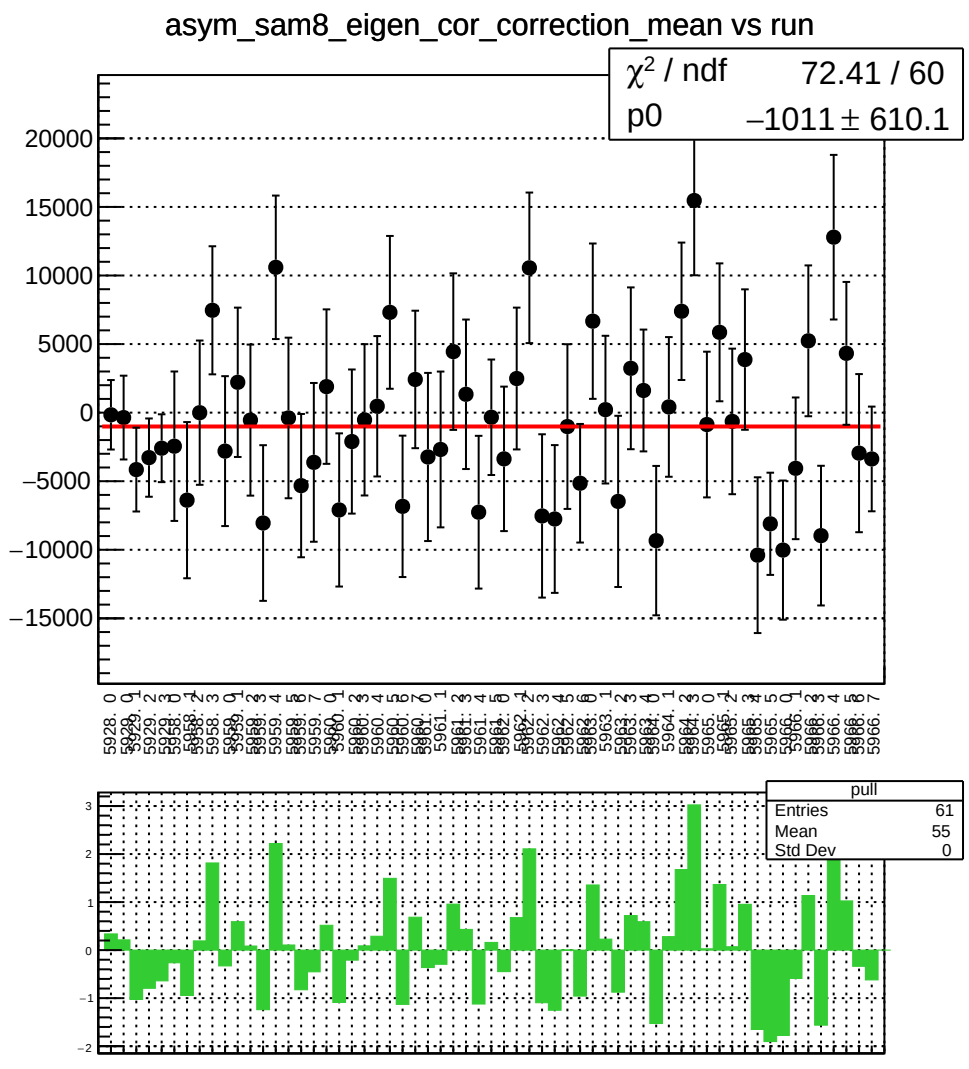

pull1D
Entries 61
Mean 0.0392
Std Dev 1.089

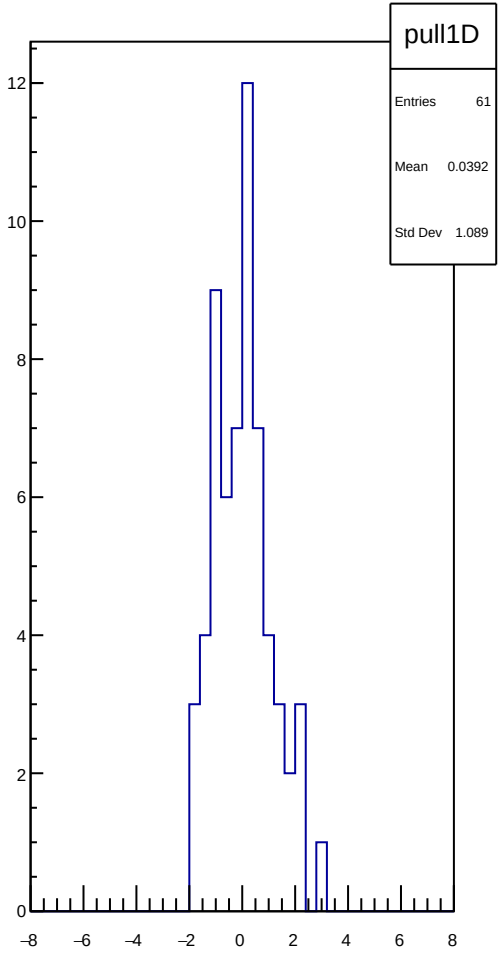

asym_sam8_cor_correction_rms vs run
χ² / ndf 6.291e+04 / 60
p0 458.5 ± 0.4314
600
550
500
450
400
350
300
250

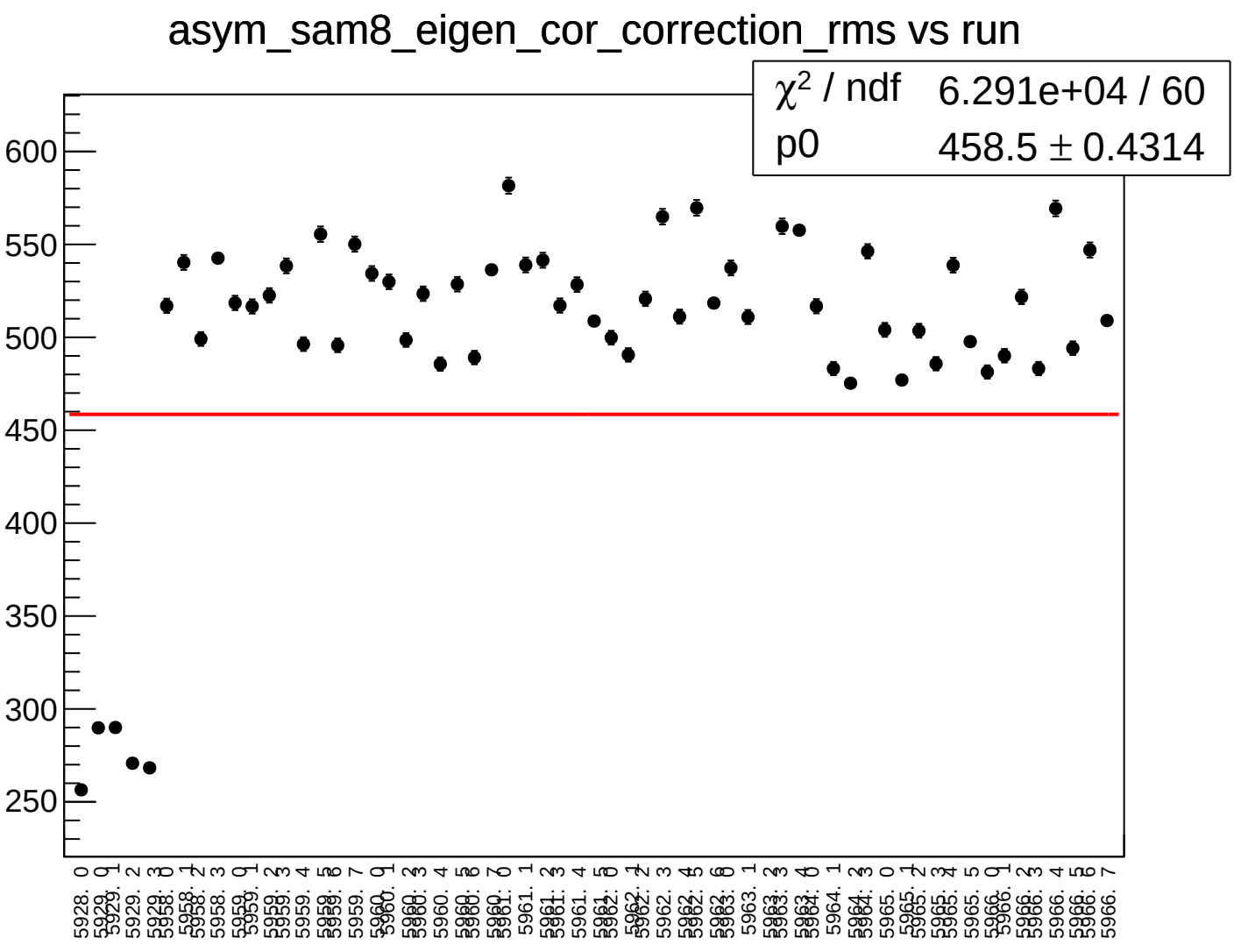

eigen_cor_asym_sam8_mean vs run
χ² / ndf 80.1 / 60
p0 289.5 ± 75.1
pull
Entries 61
Mean −173.3
Std Dev 0

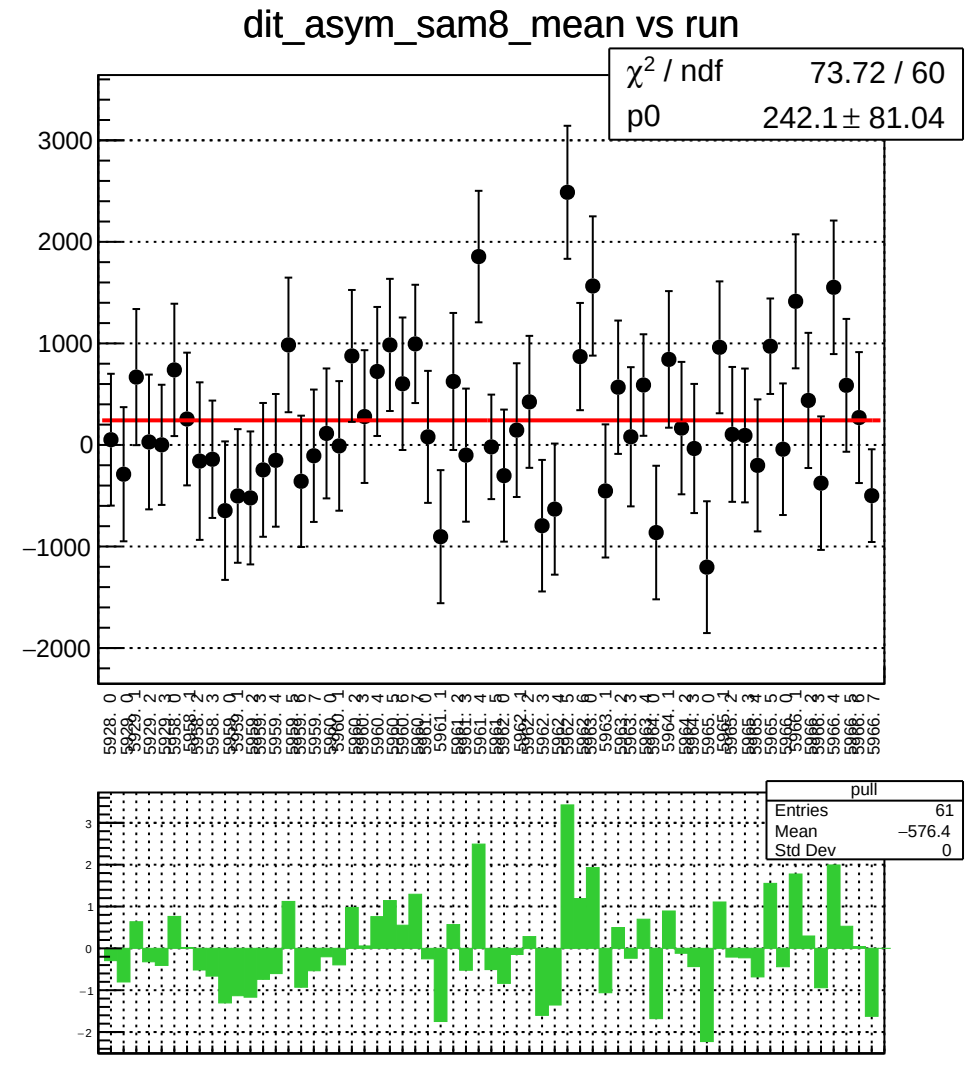

pull1D
Entries 61
Mean −0.0127
Std Dev 1.146

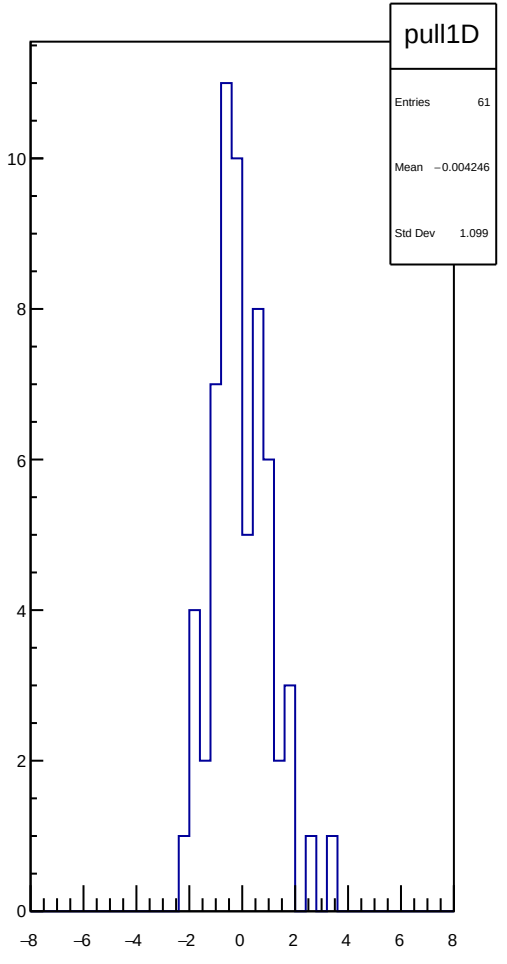

eigen_cor_asym_sam8_rms vs run
χ² / ndf 545.2 / 60
p0 57.99 ± 0.05311
64
62
60
58
56

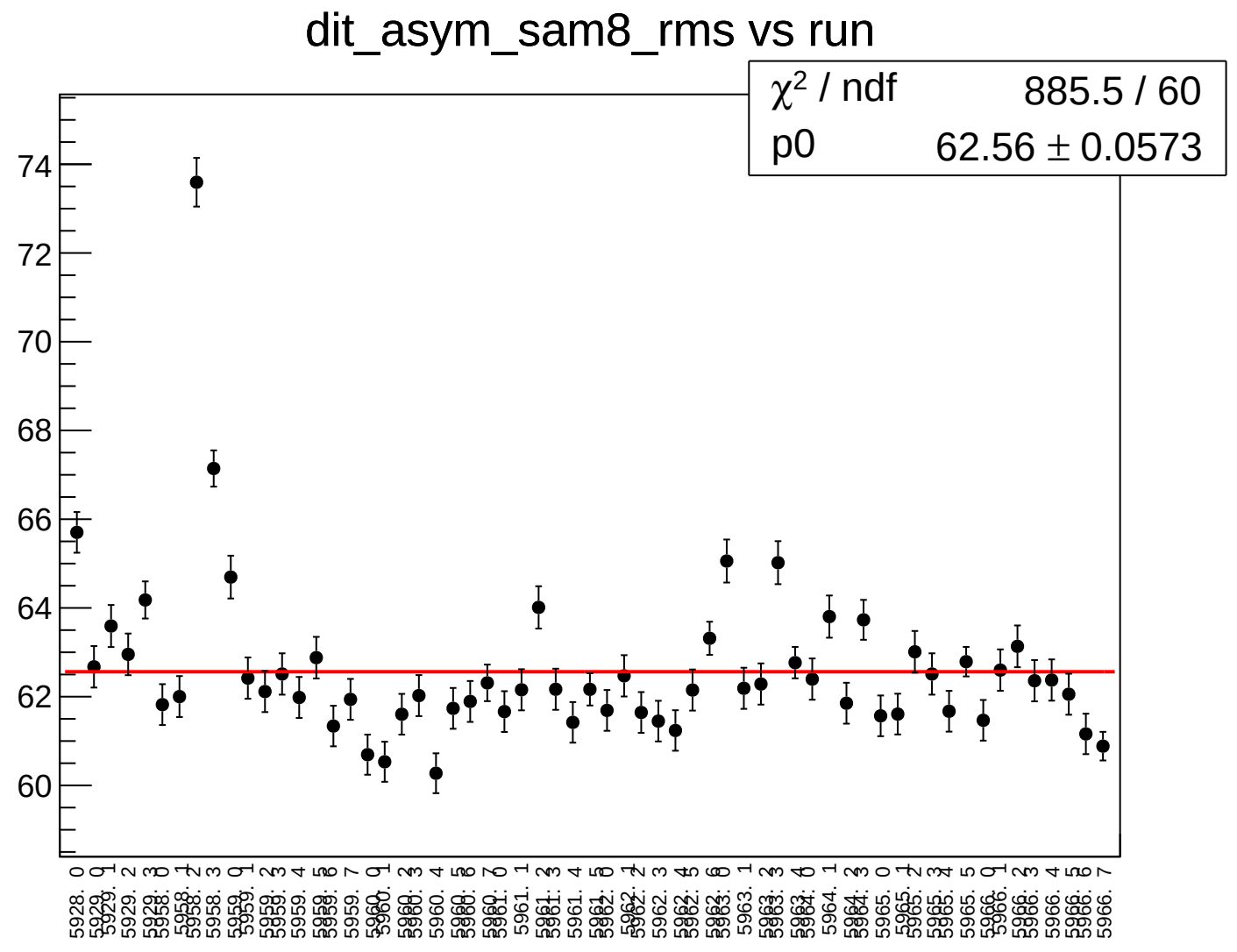

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 72.41 / 60
p0 −1011 ± 610.1
pull
Entries 61
Mean 55
Std Dev 0

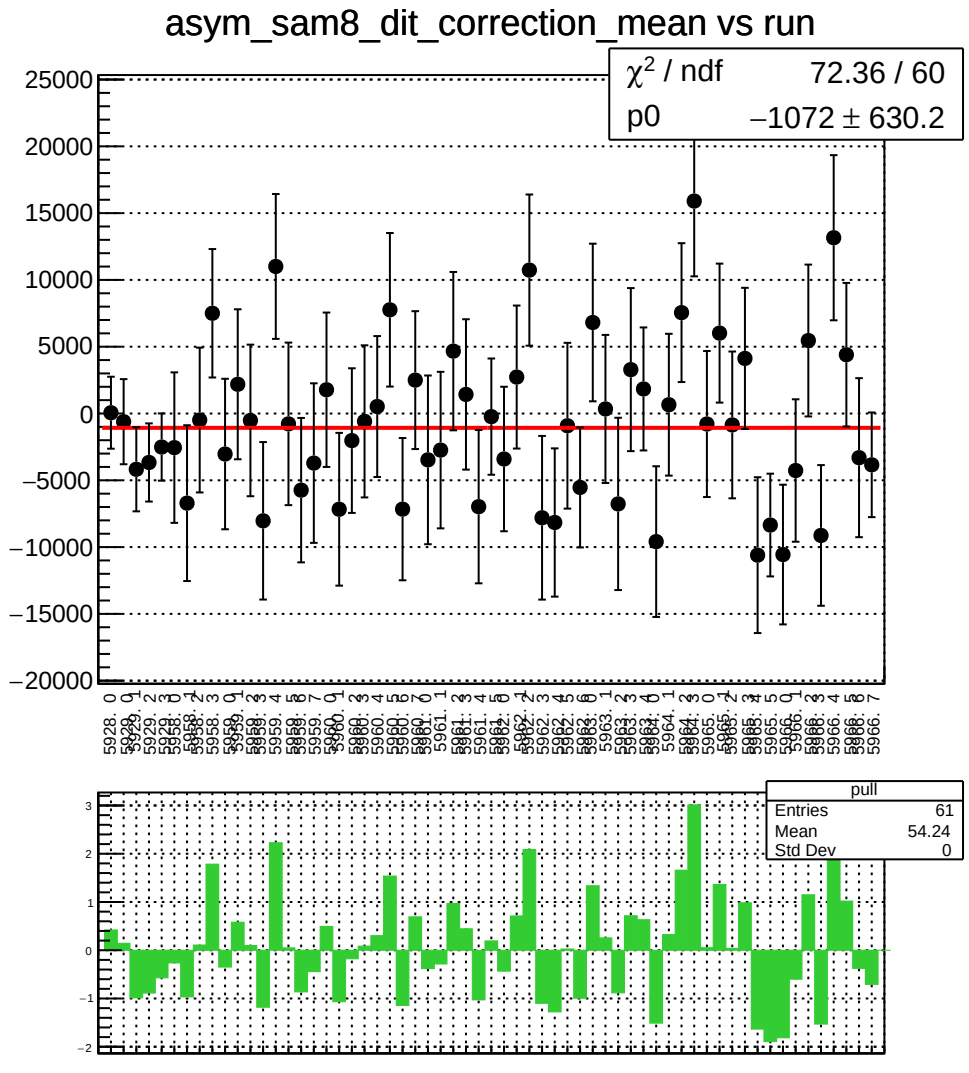

pull1D
Entries 61
Mean 0.0392
Std Dev 1.089

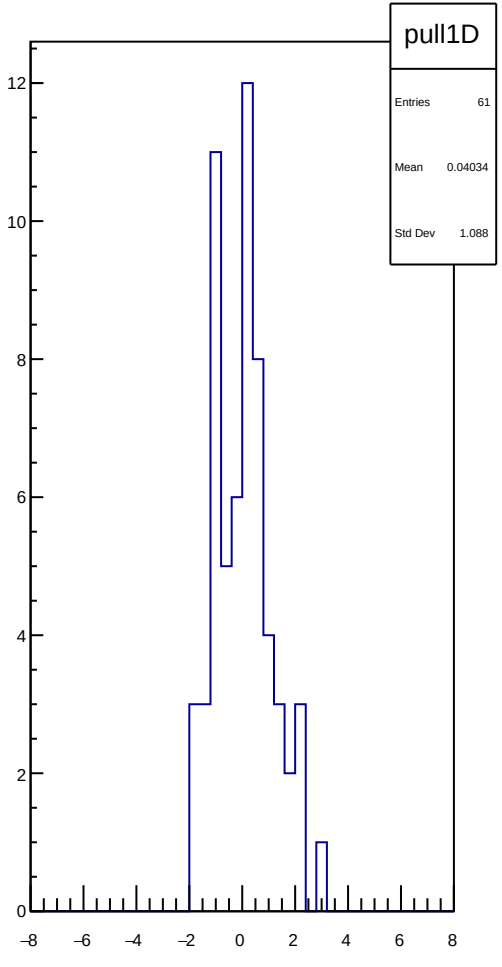

asym_sam8_eigen_cor_correction_rms vs run
χ^2 / ndf 6.291e+04 / 60
p0 458.5 ± 0.4314
600
550
500
450
400
350
300
250

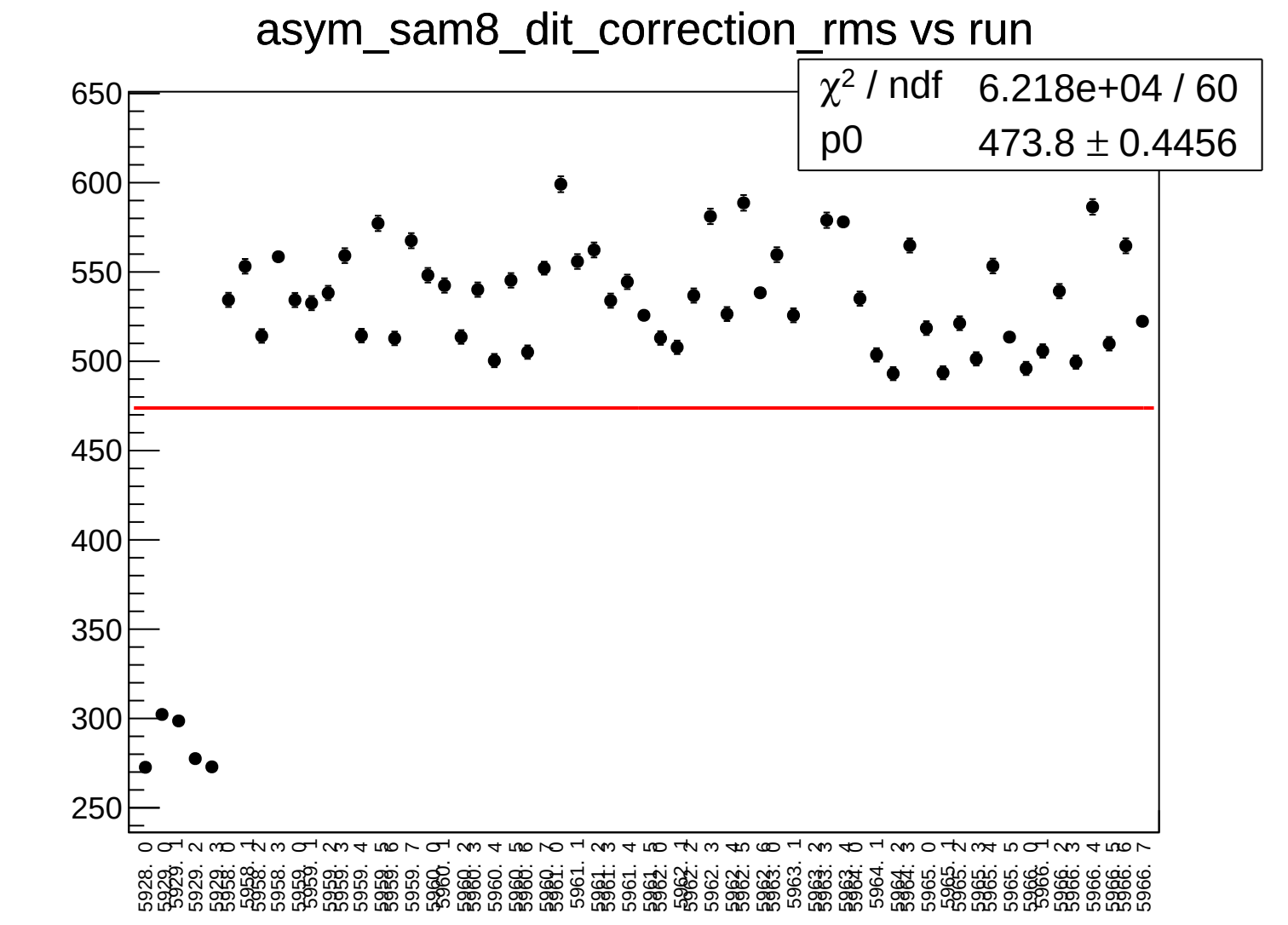

dit_asym_sam8_mean vs run
χ² / ndf 73.72 / 60
p0 242.1 ± 81.04
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −576.4
Std Dev 0
3
2
1
0
−1
−2

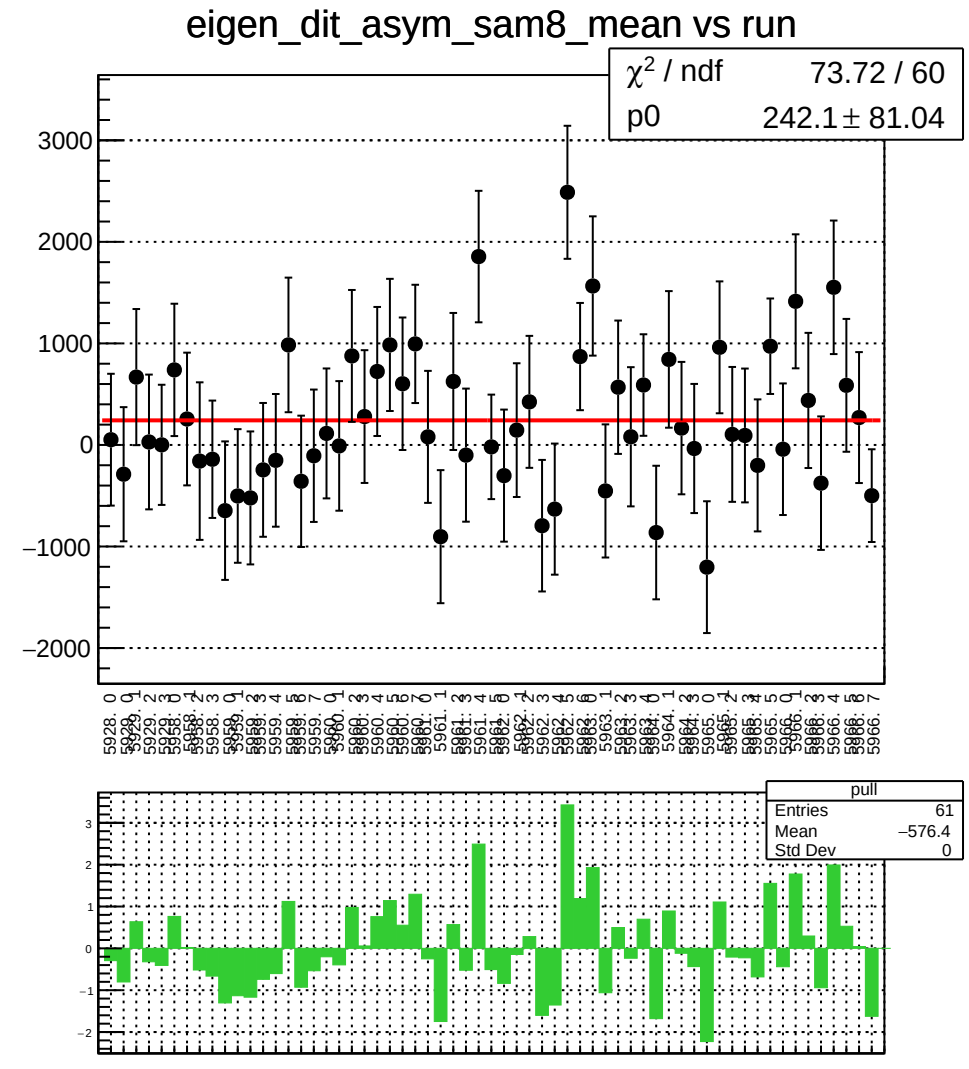

pull1D
Entries 61
Mean −0.004246
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

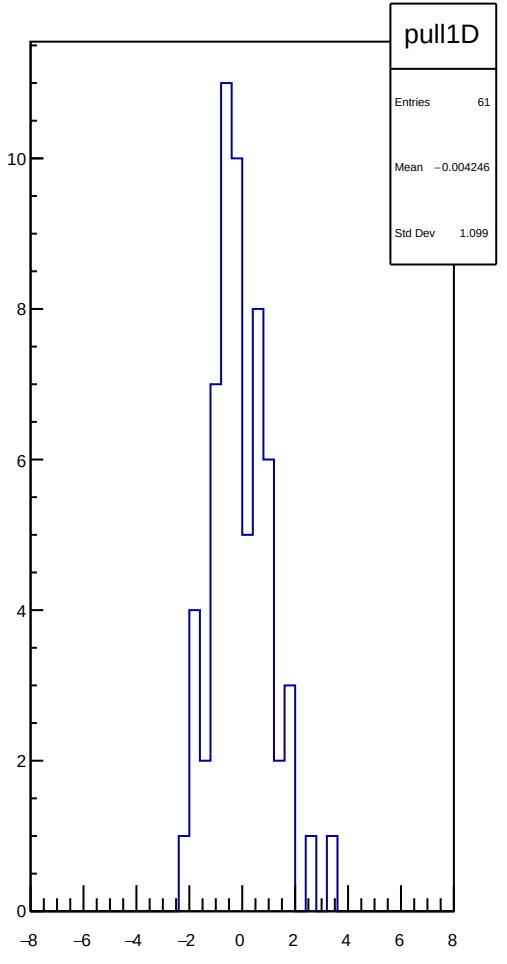

dit_asym_sam8_rms vs run
χ^2 / ndf 885.5 / 60
p0 62.56 ± 0.0573
74
72
70
68
66
64
62
60

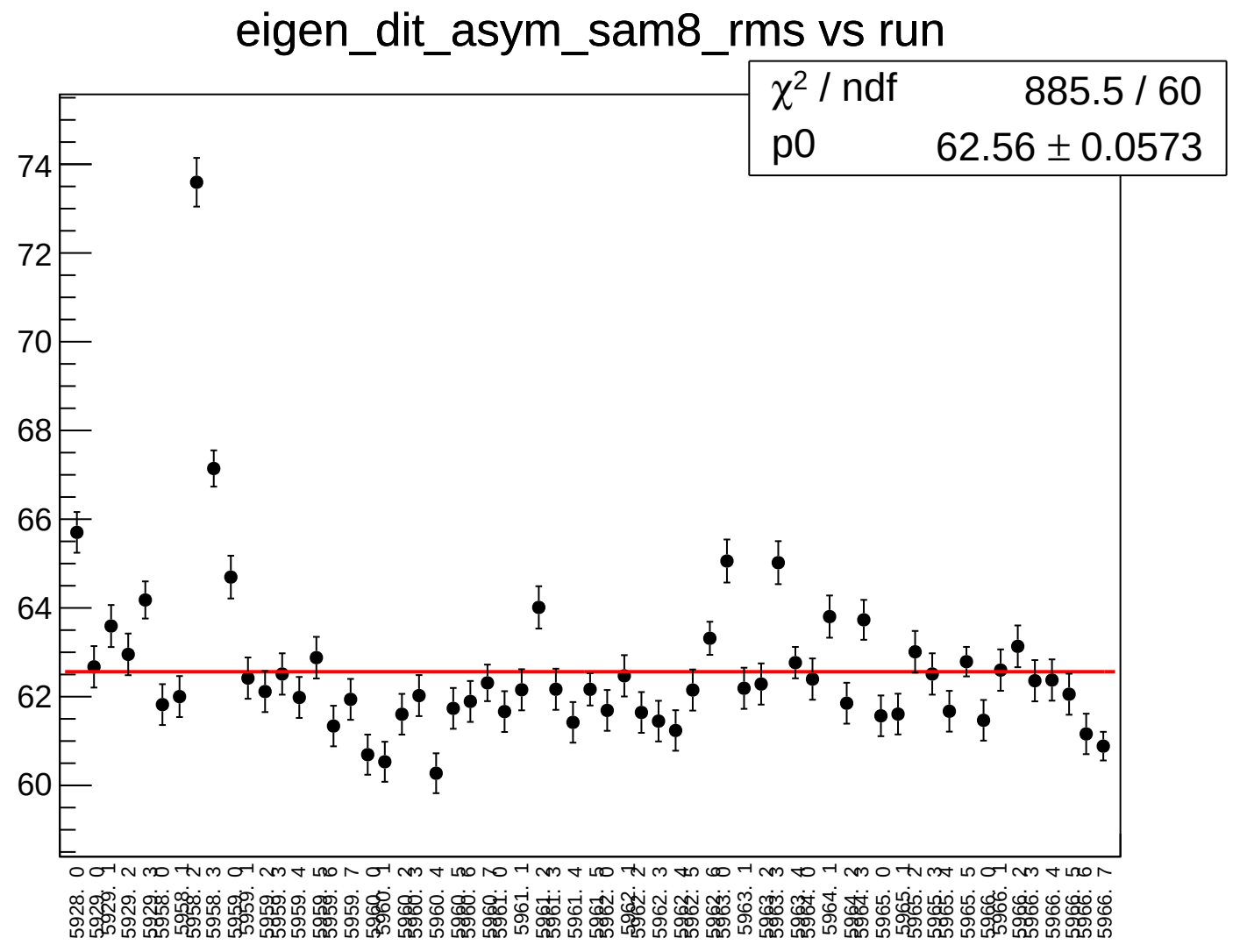

asym_sam8_dit_correction_mean vs run
χ² / ndf 72.36 / 60
p0 −1072 ± 630.2
pull
Entries 61
Mean 54.24
Std Dev 0

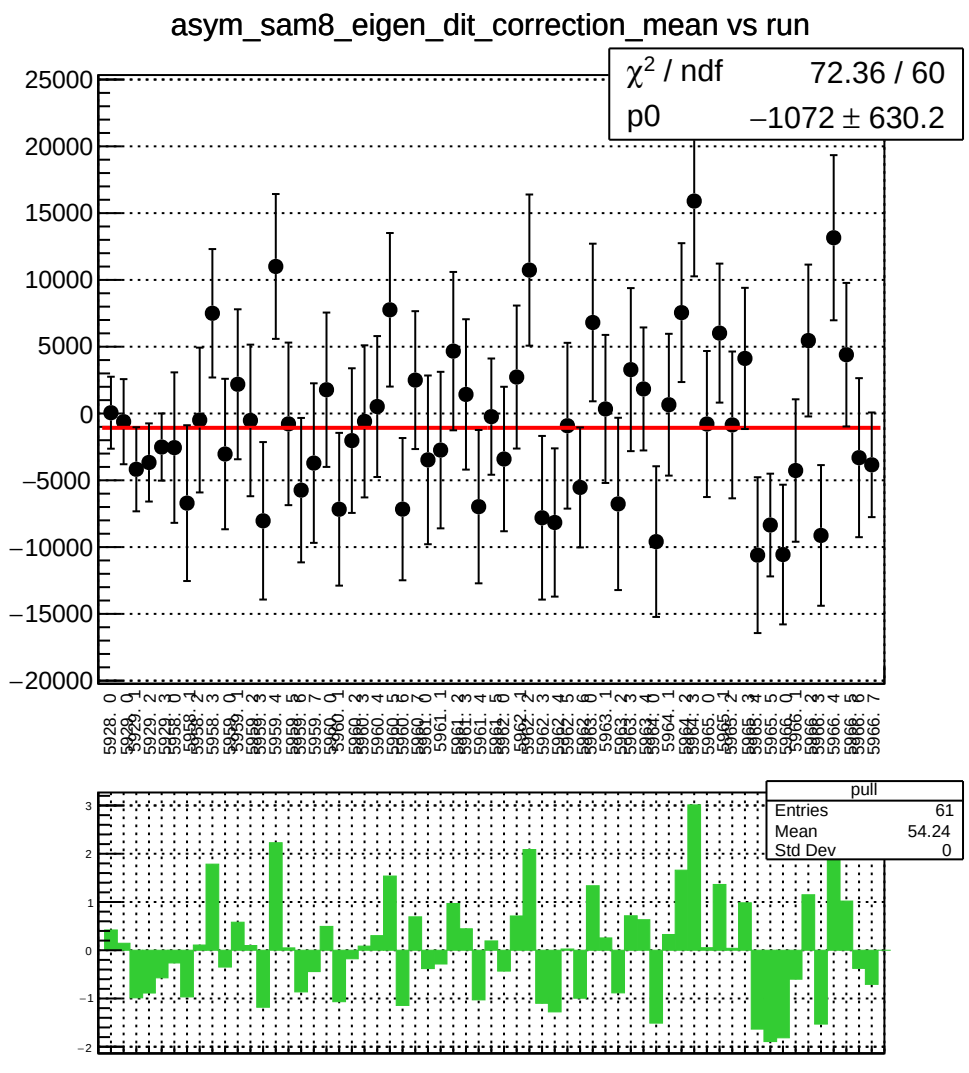

pull1D
Entries 61
Mean 0.04034
Std Dev 1.088

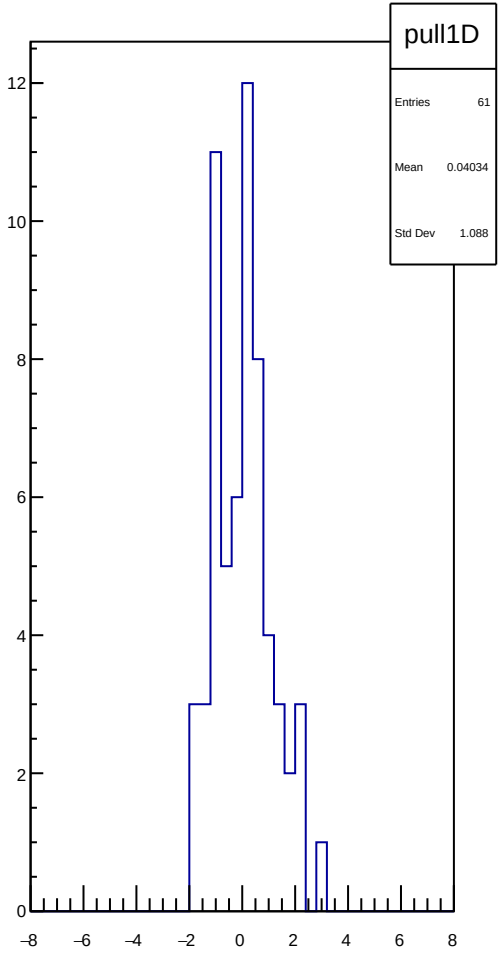

asym_sam8_dit_correction_rms vs run
χ² / ndf 6.218e+04 / 60
p0 473.8 ± 0.4456
650
600
550
500
450
400
350
300
250

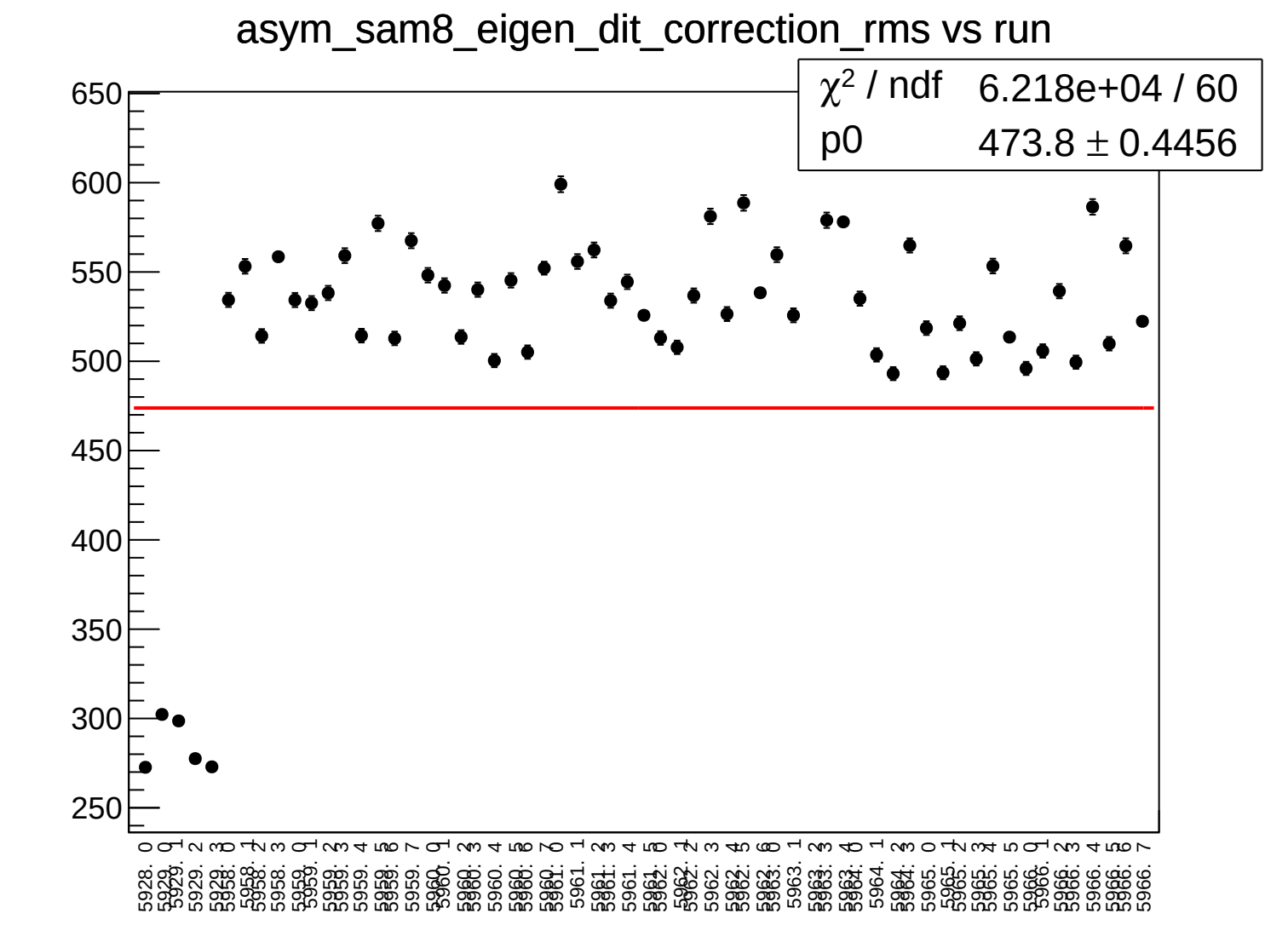

eigen_dit_asym_sam8_mean vs run
χ² / ndf 73.72 / 60
p0 242.1 ± 81.04
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −576.4
Std Dev 0
3
2
1
0
−1
−2

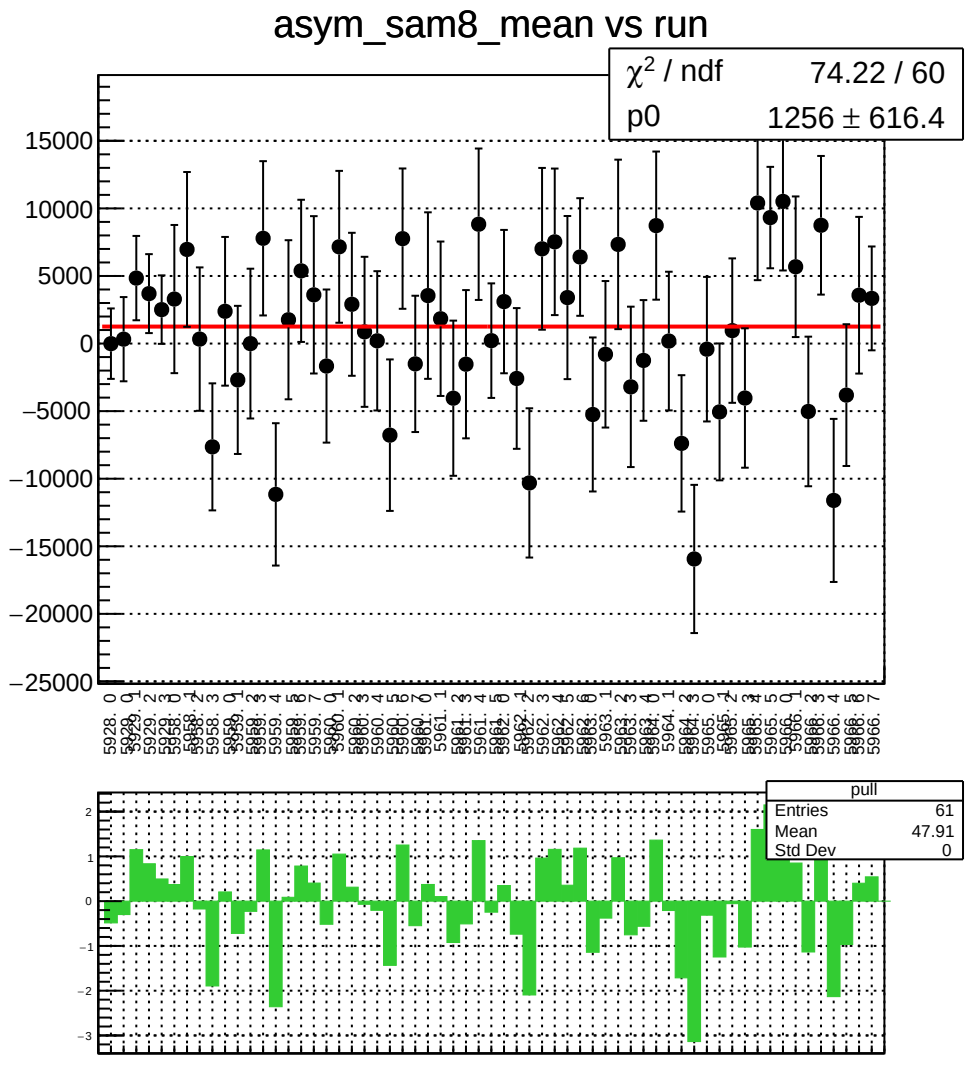

pull1D
Entries 61
Mean −0.004246
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

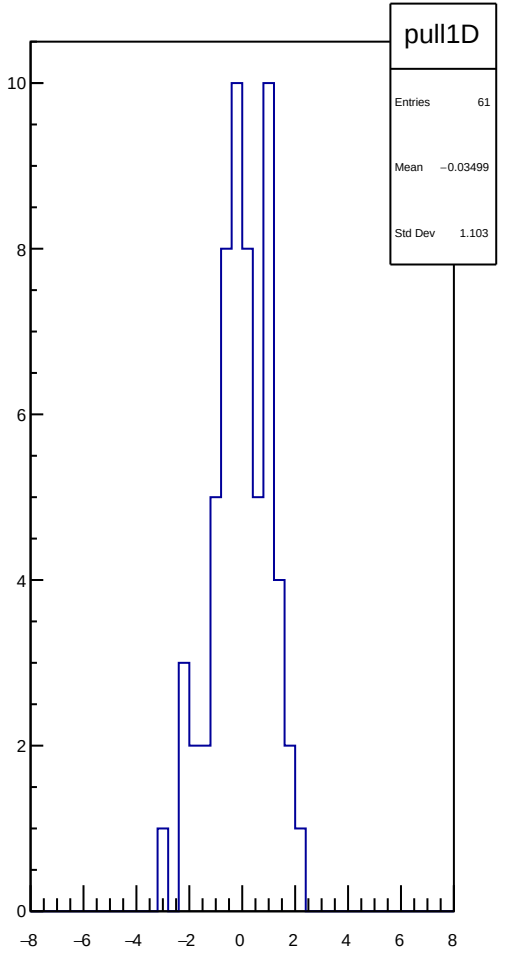

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 885.5 / 60
p0 62.56 ± 0.0573
74
72
70
68
66
64
62
60

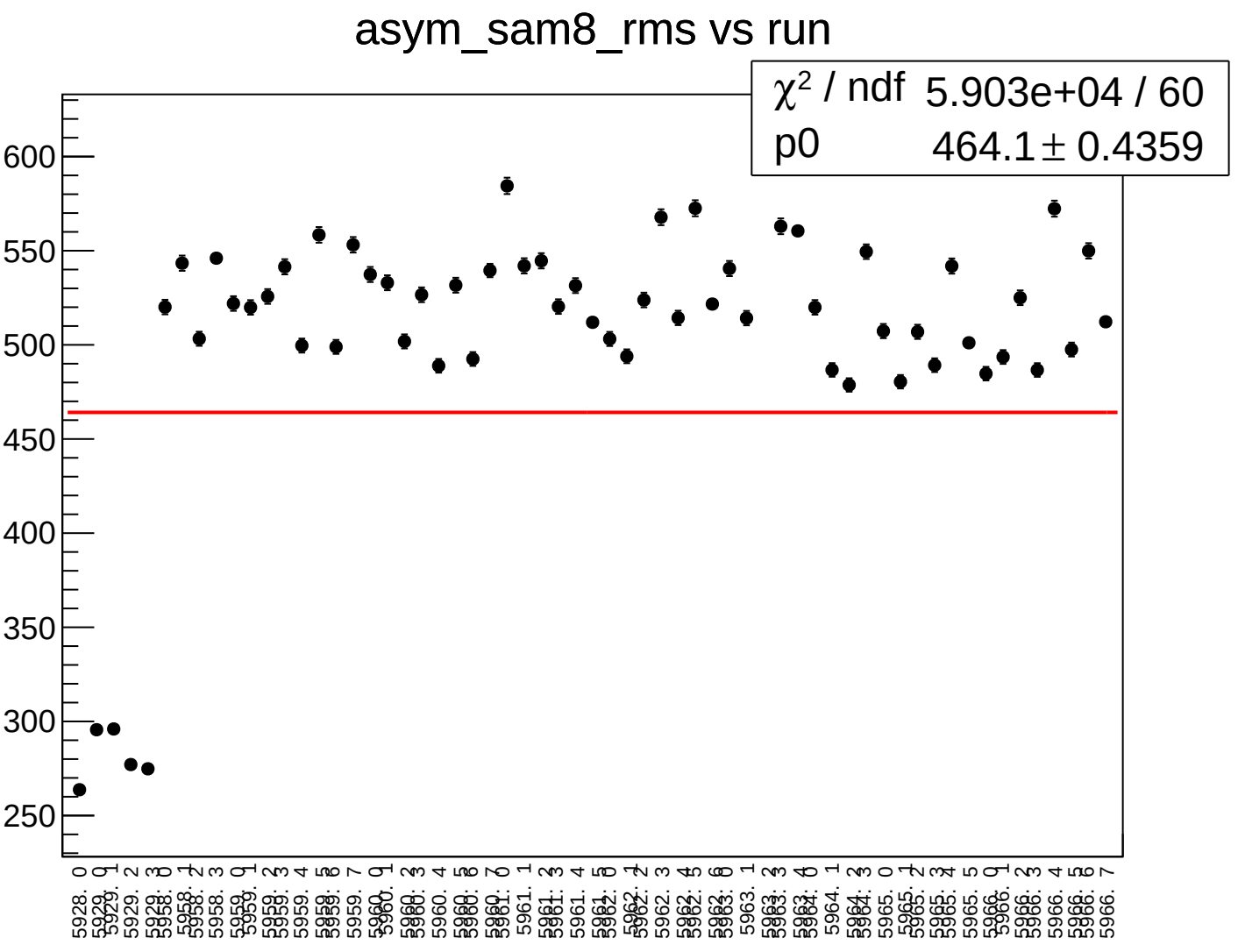

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 72.36 / 60
p0 −1072 ± 630.2
pull
Entries 61
Mean 54.24
Std Dev 0

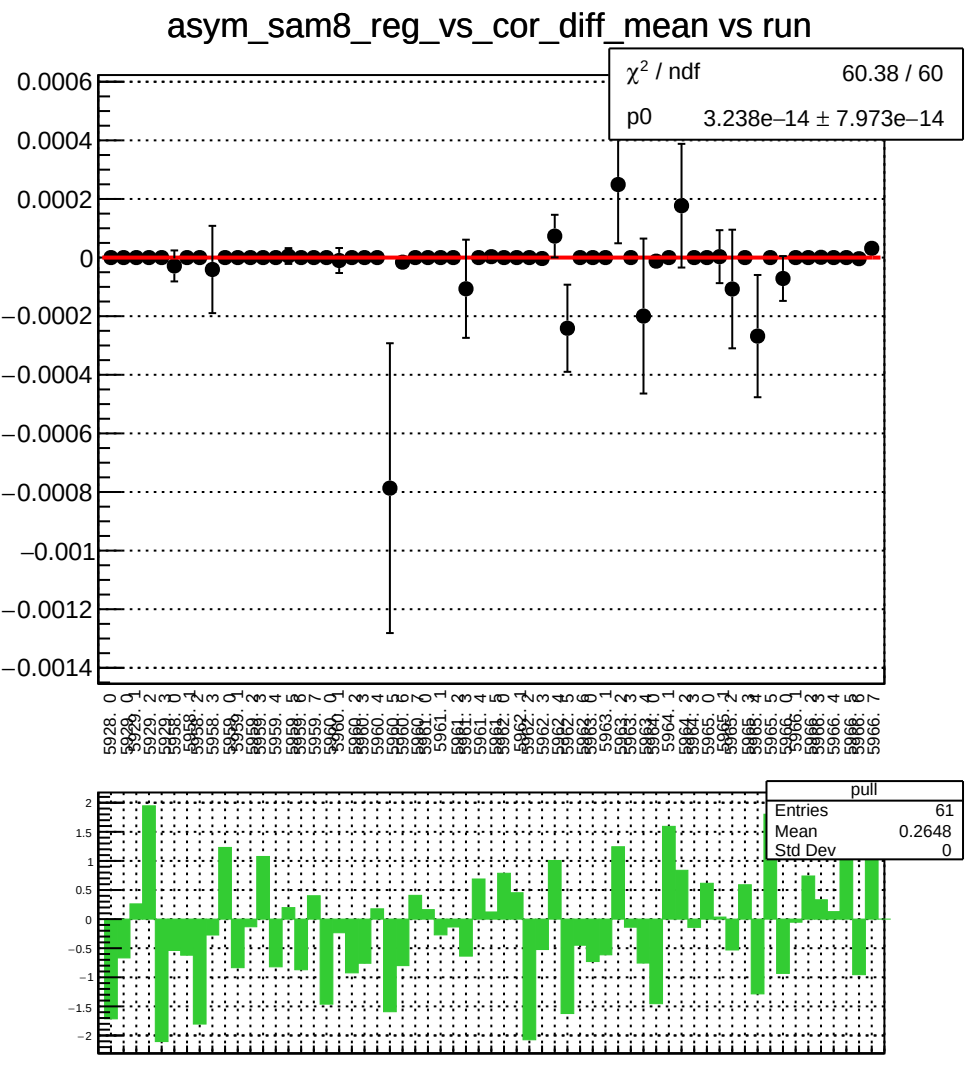

pull1D
Entries 61
Mean 0.04034
Std Dev 1.088

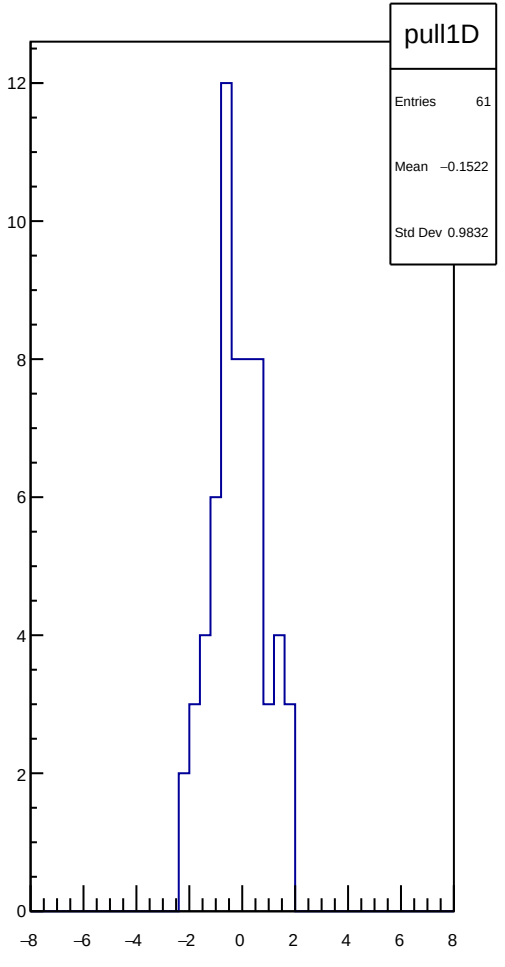

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 6.218e+04 / 60
p0 473.8 ± 0.4456
650
600
550
500
450
400
350
300
250

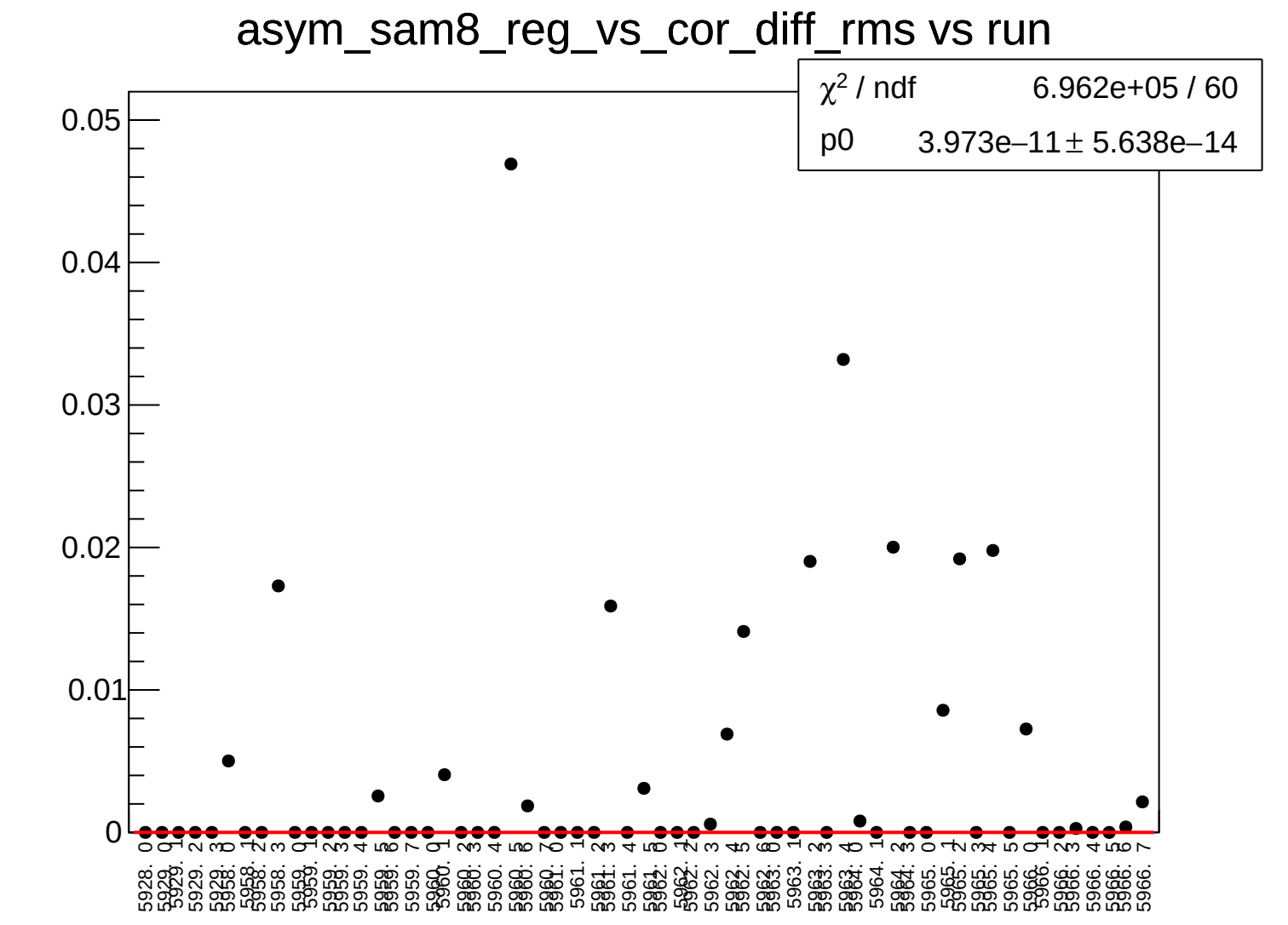

asym_sam8_mean vs run
χ² / ndf 74.22 / 60
p0 1256 ± 616.4
pull
Entries 61
Mean 47.91
Std Dev 0

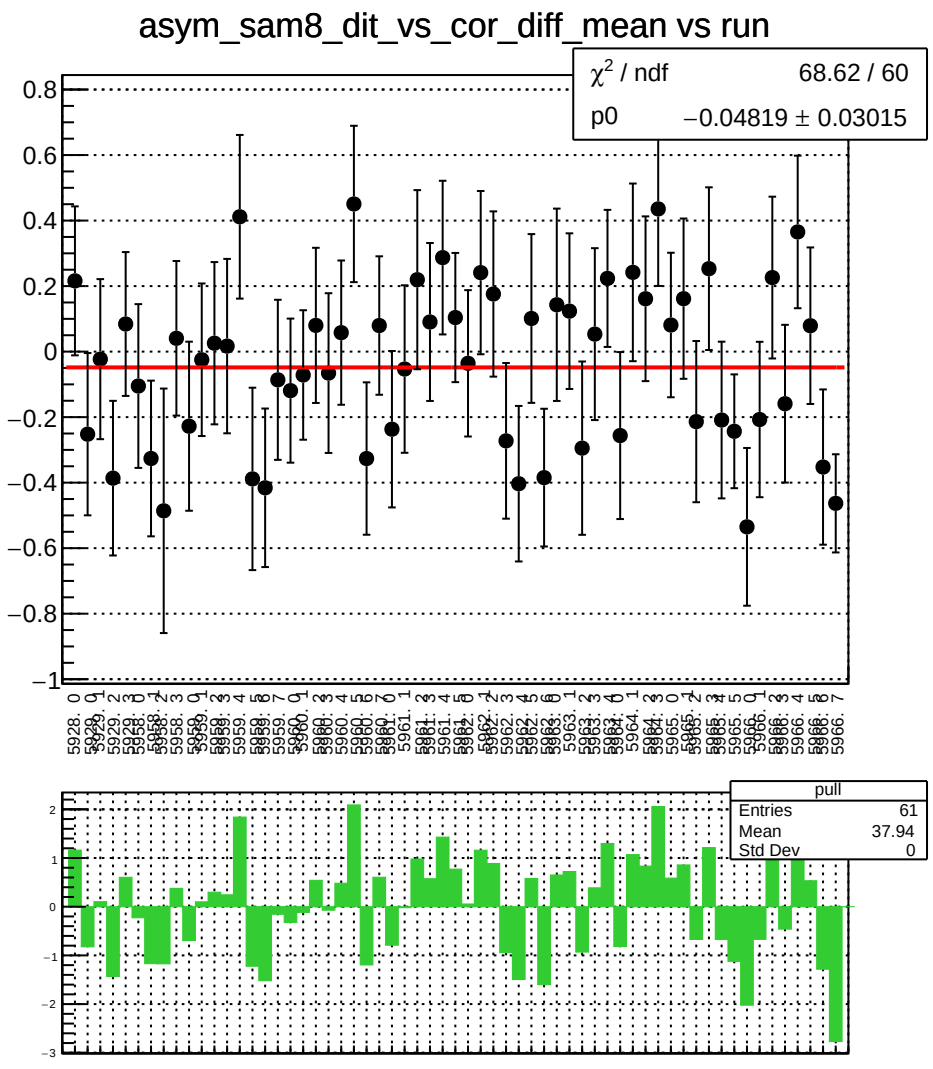

pull1D
Entries 61
Mean −0.03499
Std Dev 1.103

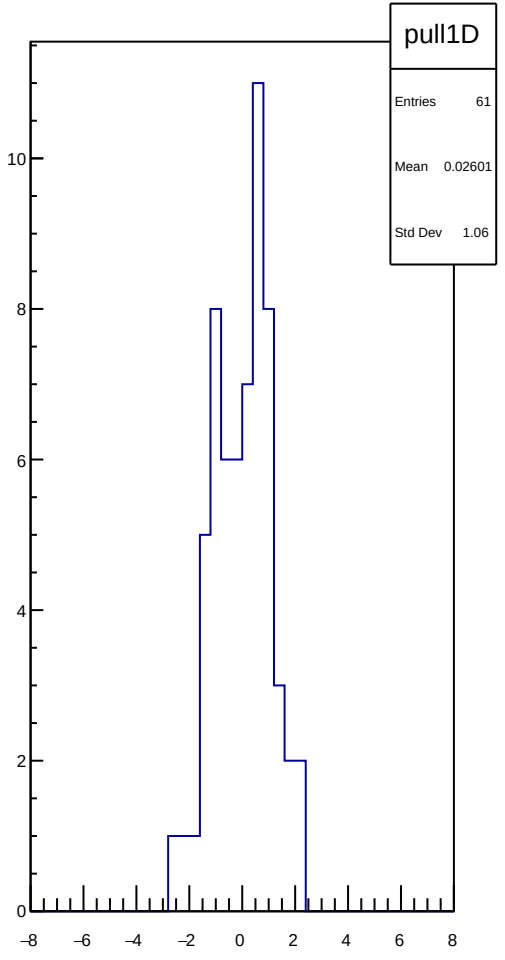

asym_sam8_rms vs run
χ² / ndf 5.903e+04 / 60
p0 464.1 ± 0.4359
600
550
500
450
400
350
300
250

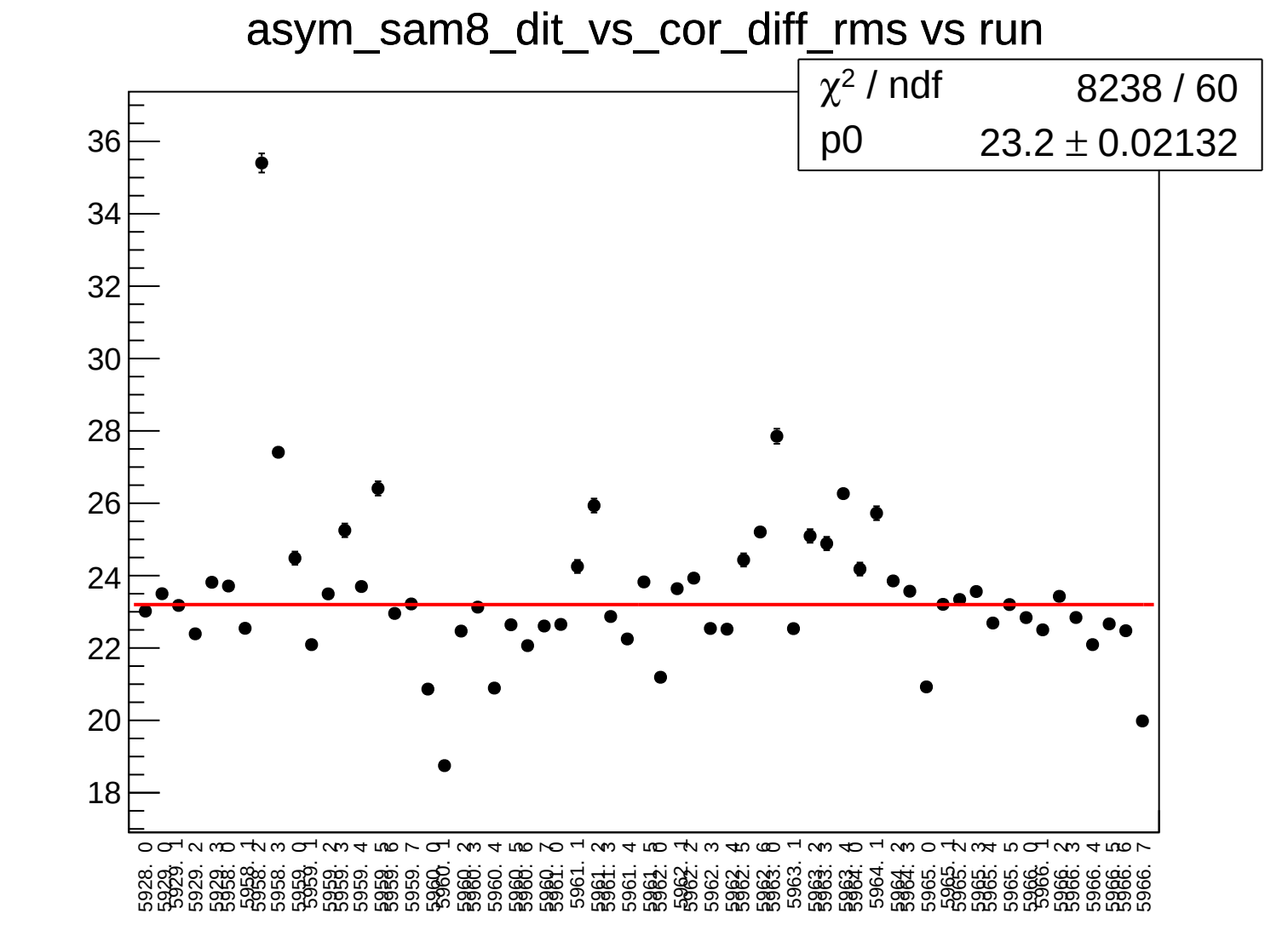

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 60.38 / 60
p0 3.238e−14 ± 7.973e−14
pull
Entries 61
Mean 0.2648
Std Dev 0

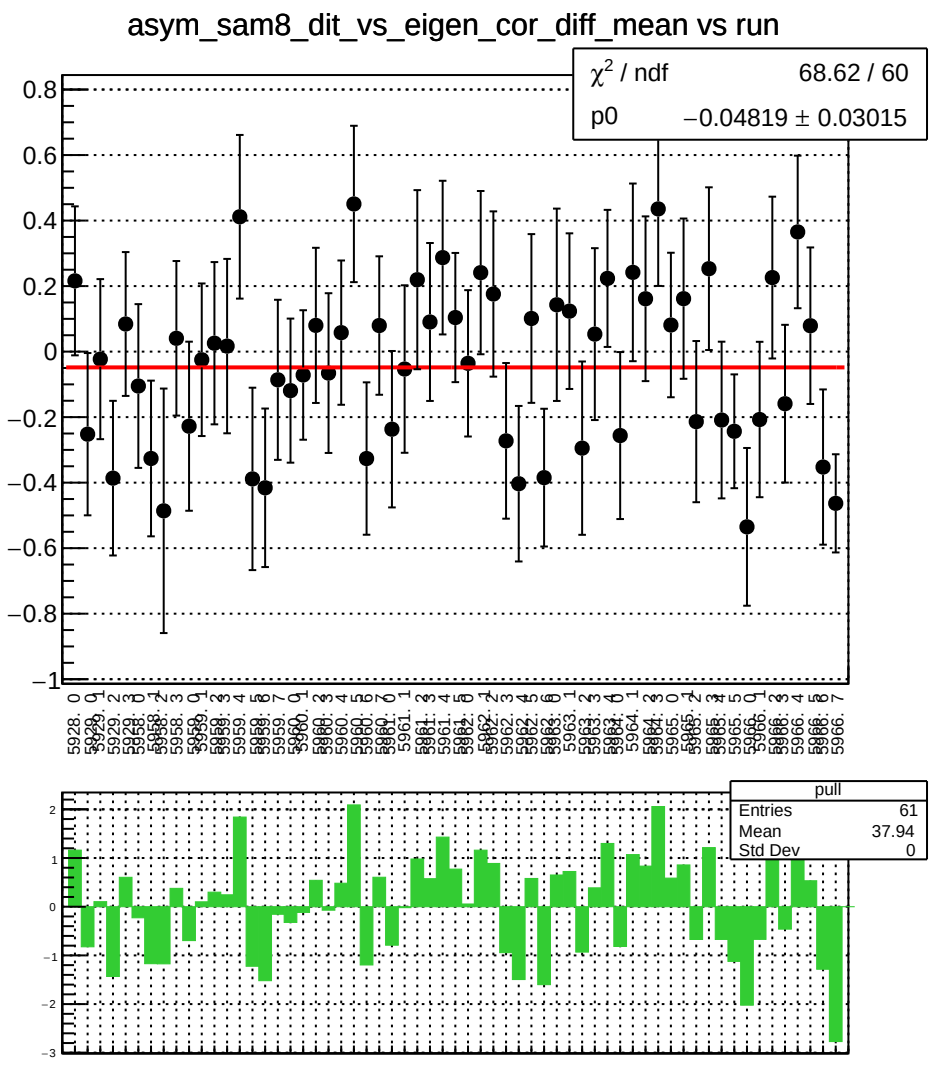

pull1D
Entries 61
Mean −0.1522
Std Dev 0.9832

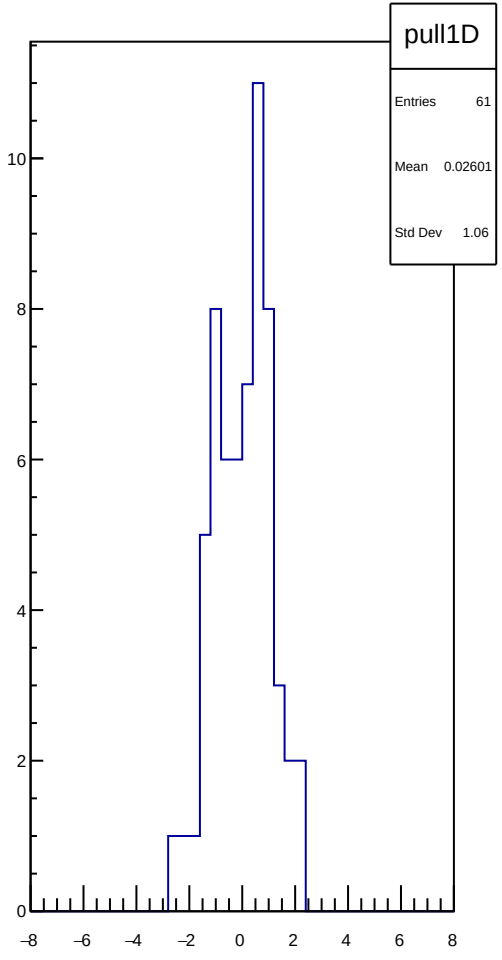

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 6.962e+05 / 60
p0 3.973e−11 ± 5.638e−14
0.05
0.04
0.03
0.02
0.01
0

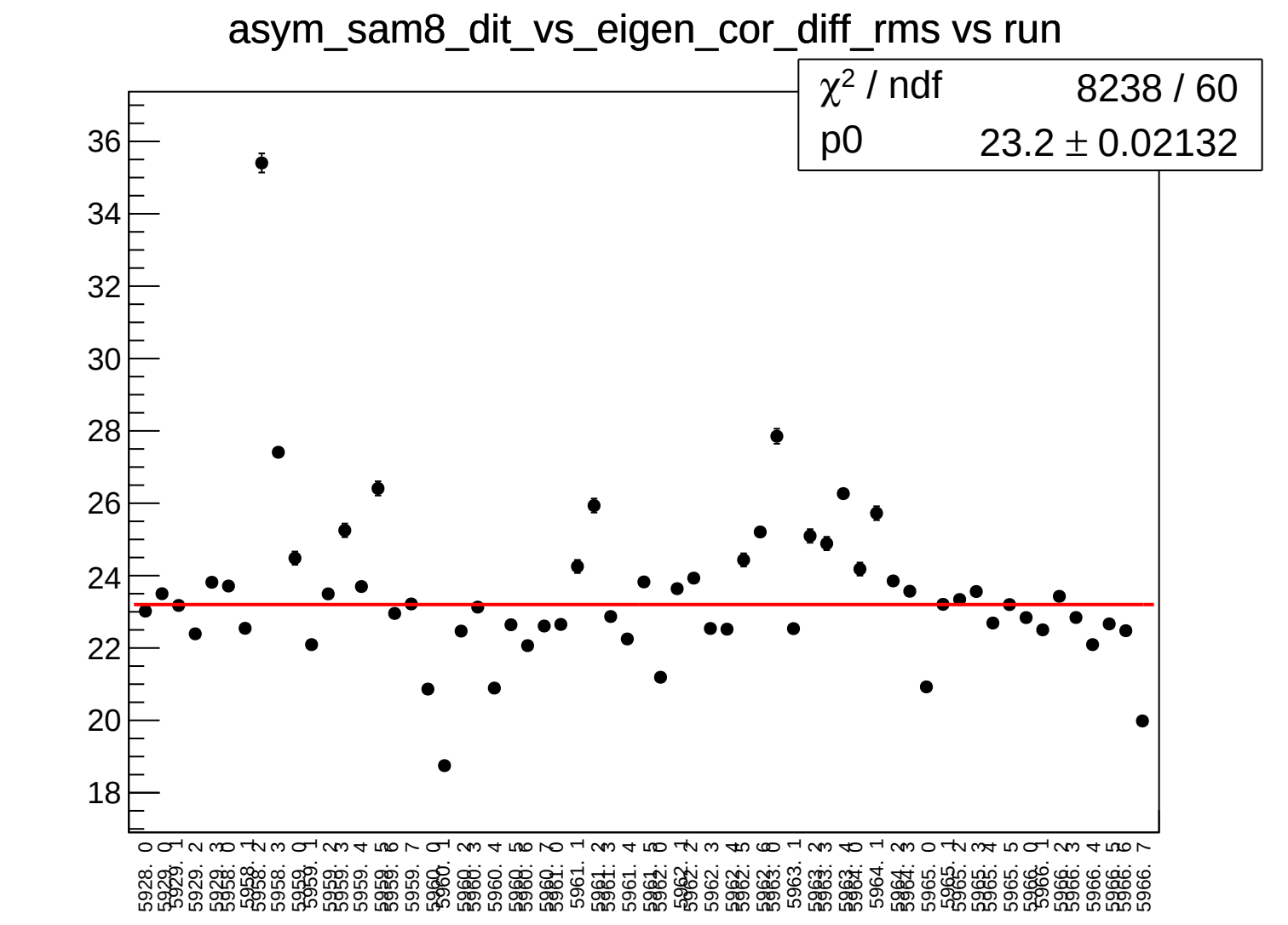

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 68.62 / 60
p0 −0.04819 ± 0.03015
pull
Entries 61
Mean 37.94
Std Dev 0

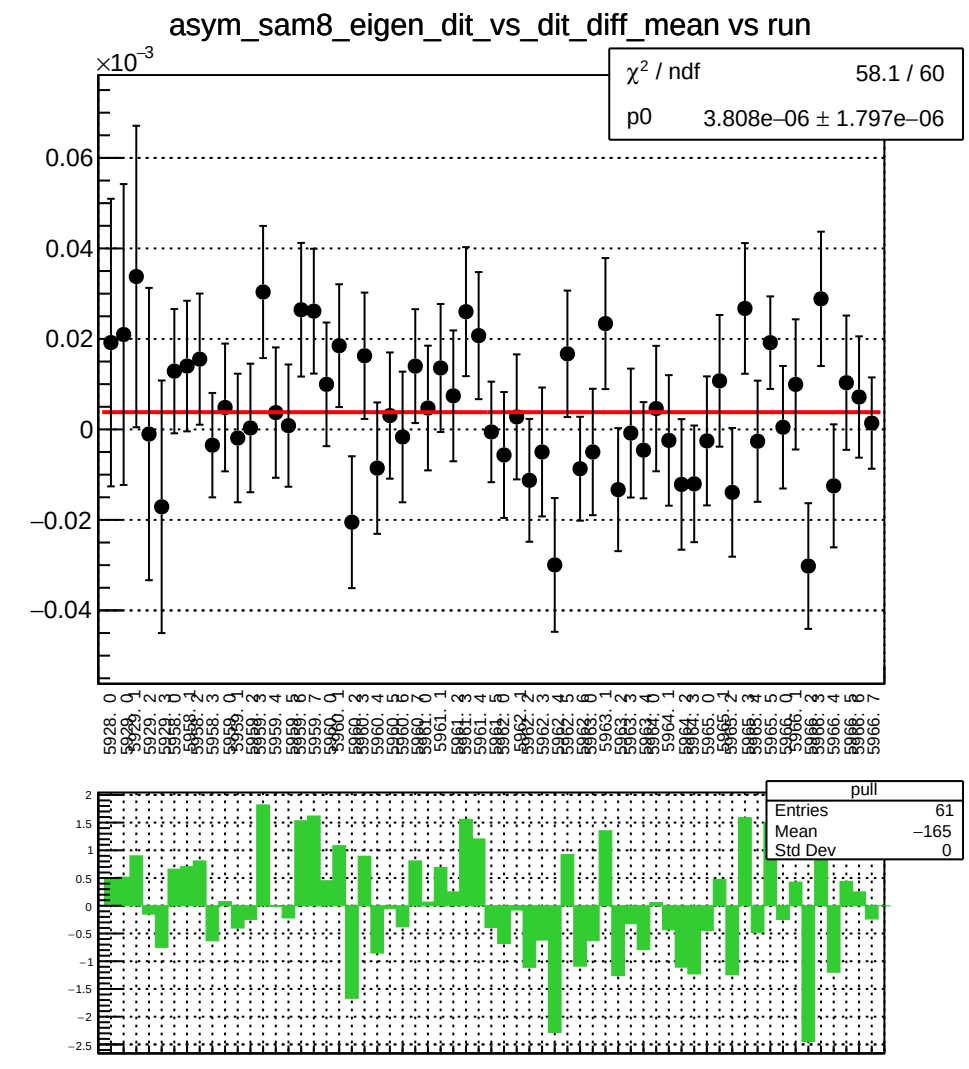

pull1D
Entries 61
Mean 0.02601
Std Dev 1.06

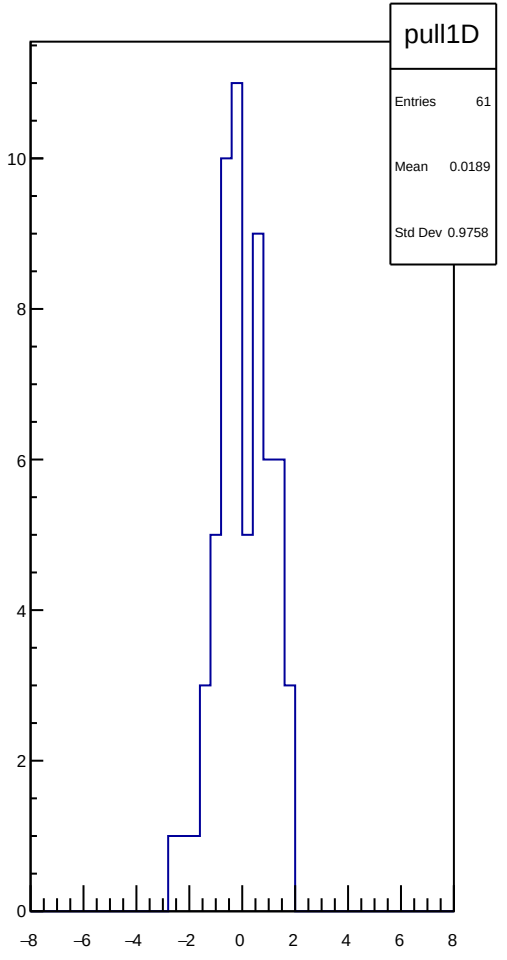

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 8238 / 60
p0 23.2 ± 0.02132
36
34
32
30
28
26
24
22
20
18

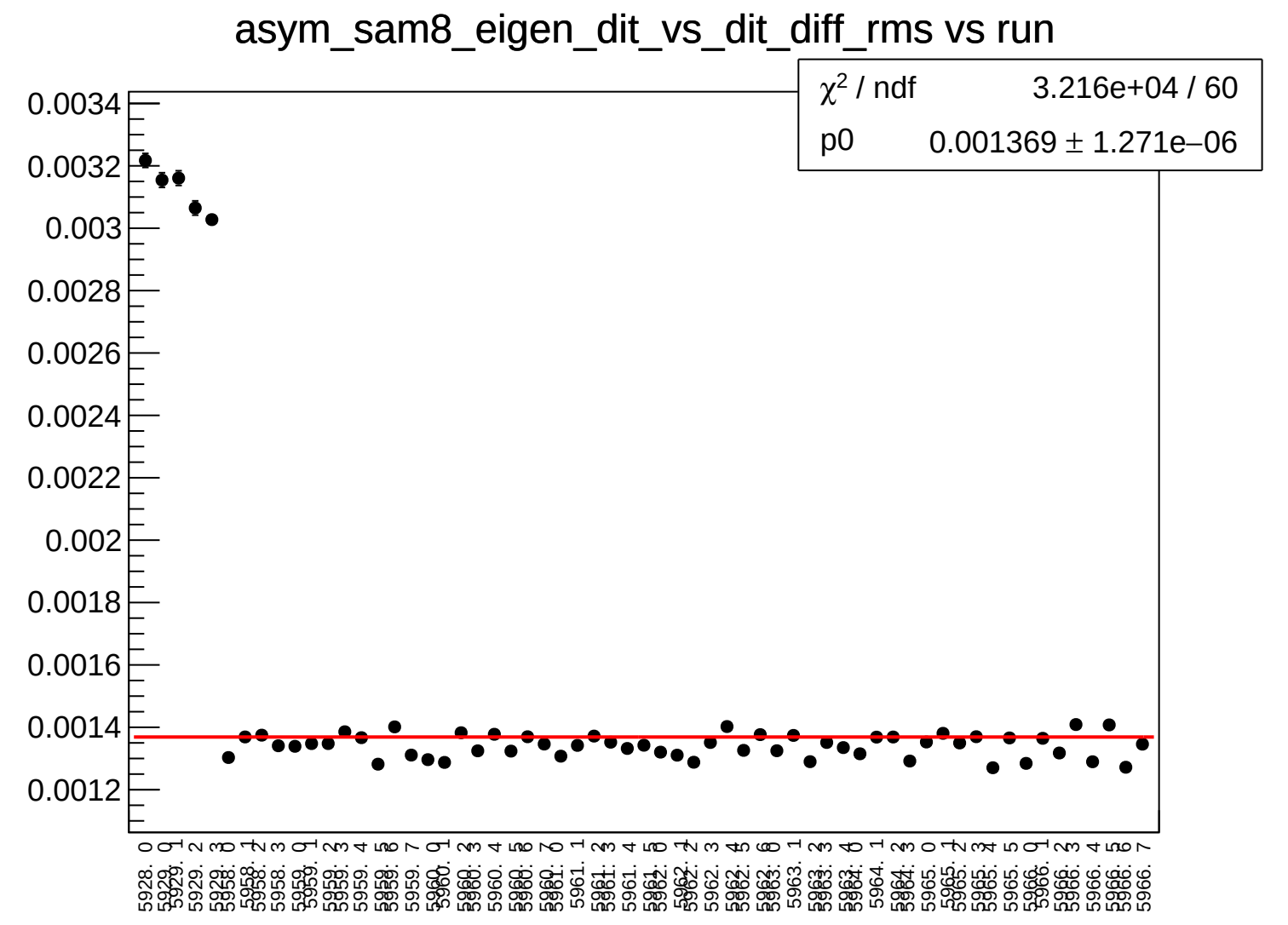

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.62 / 60
p0 −0.04819 ± 0.03015
pull
Entries 61
Mean 37.94
Std Dev 0

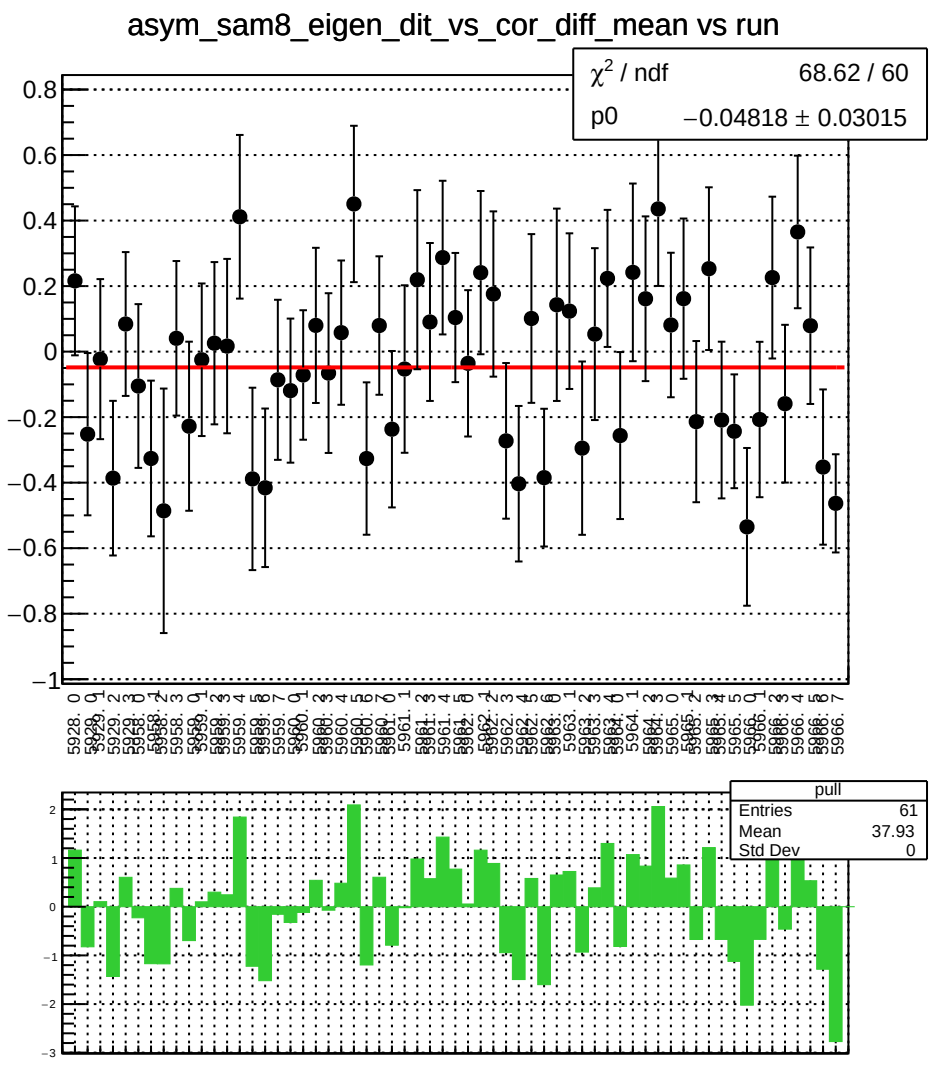

pull1D
Entries 61
Mean 0.02601
Std Dev 1.06

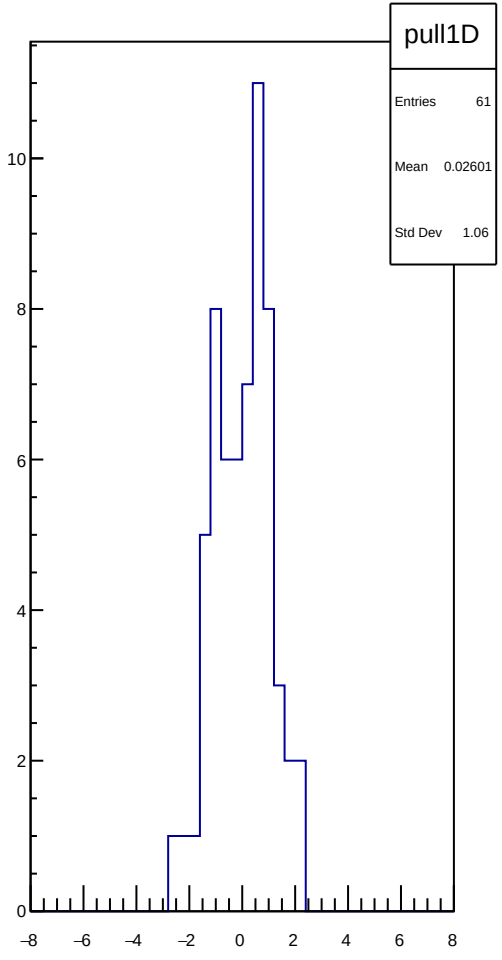

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8238 / 60
p0 23.2 ± 0.02132
36
34
32
30
28
26
24
22
20
18

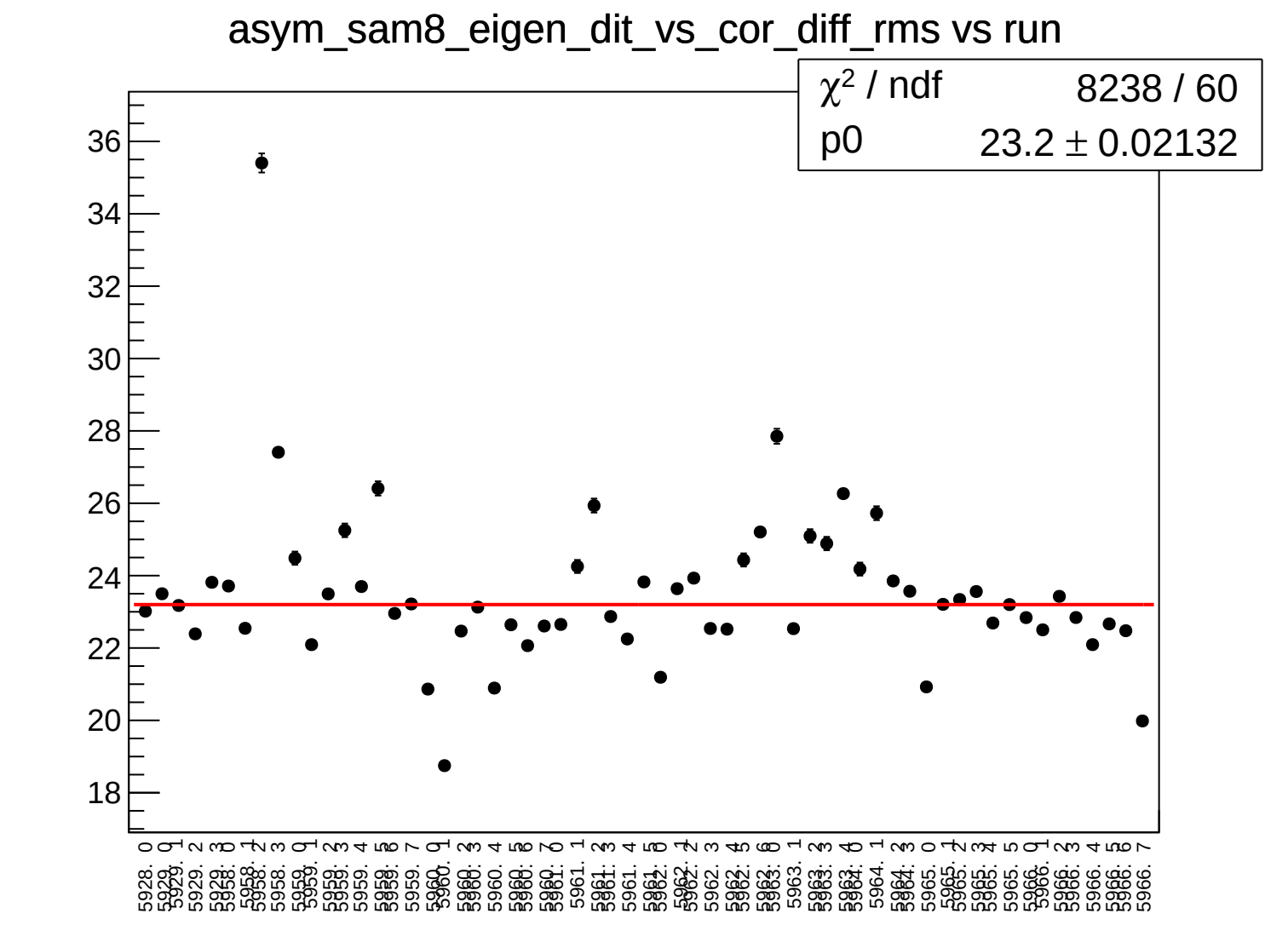

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 58.1 / 60
p0 3.808e−06 ± 1.797e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 61
Mean −165
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

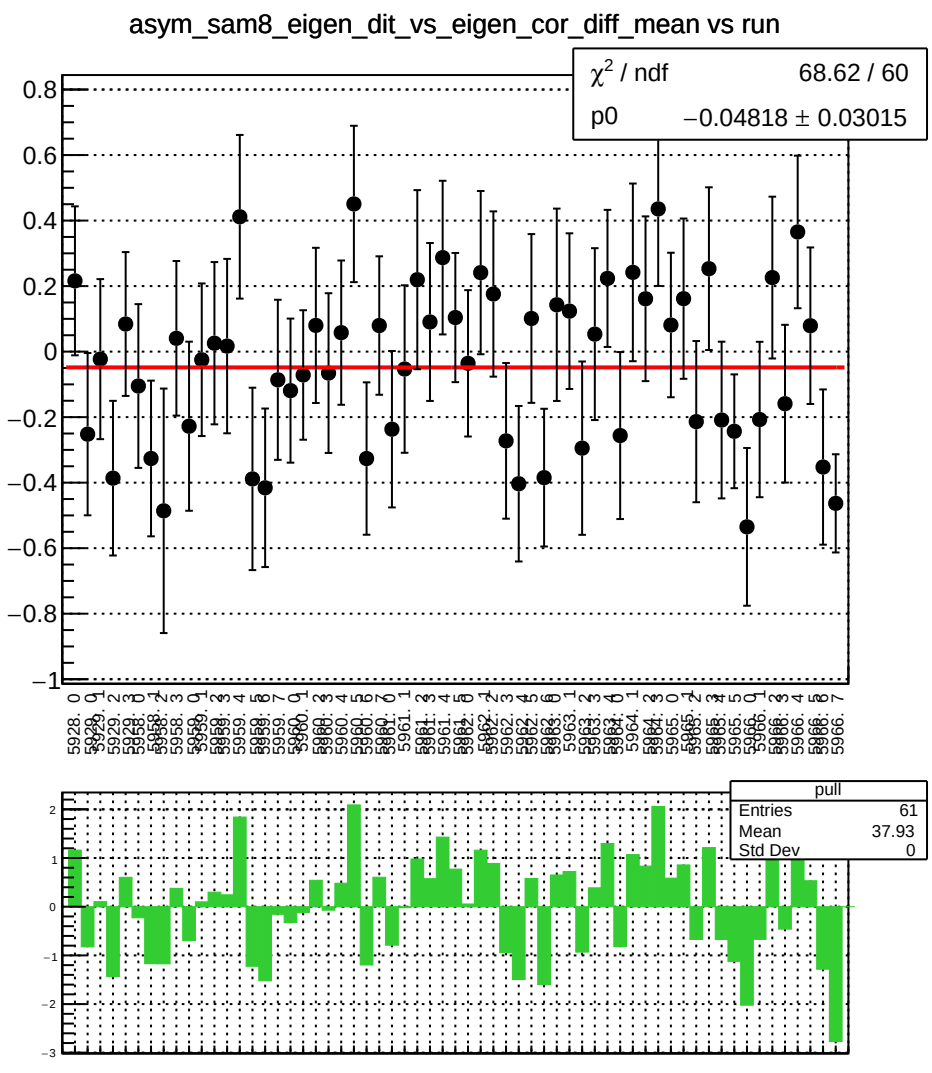

pull1D
Entries 61
Mean 0.0189
Std Dev 0.9758
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

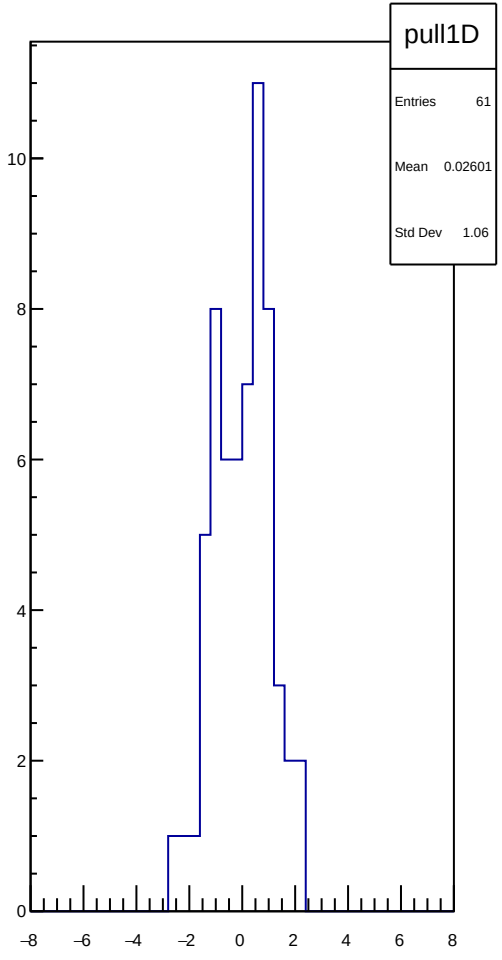

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.216e+04 / 60
p0 0.001369 ± 1.271e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

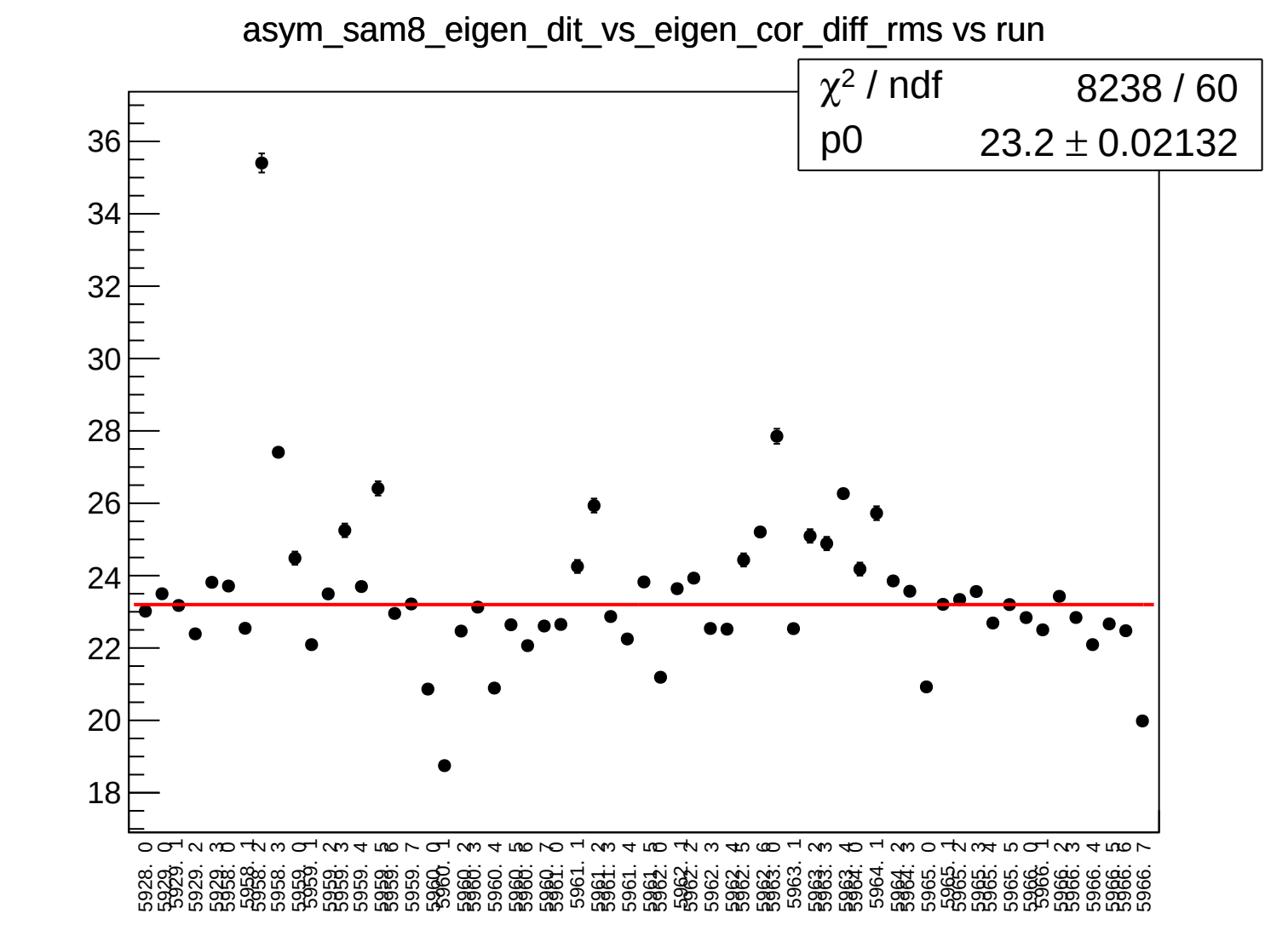

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.62 / 60
p0 −0.04818 ± 0.03015
pull
Entries 61
Mean 37.93
Std Dev 0

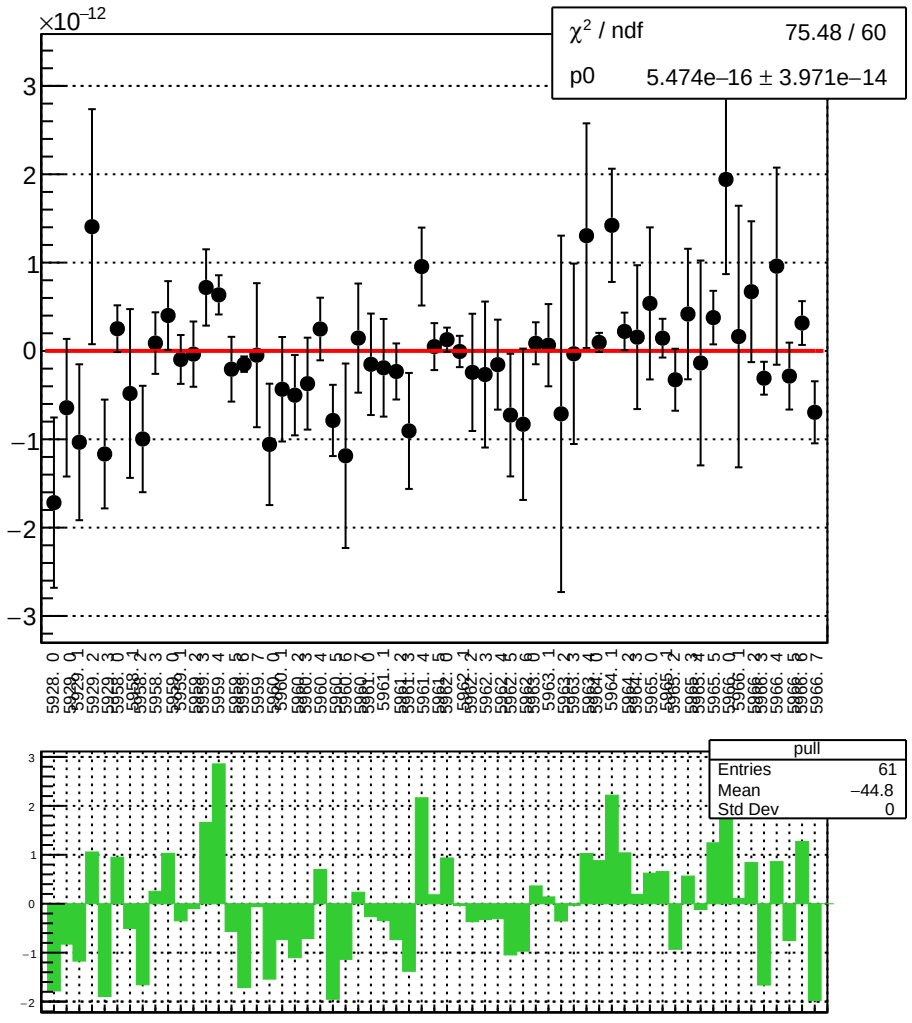

pull1D
Entries 61
Mean 0.02601
Std Dev 1.06

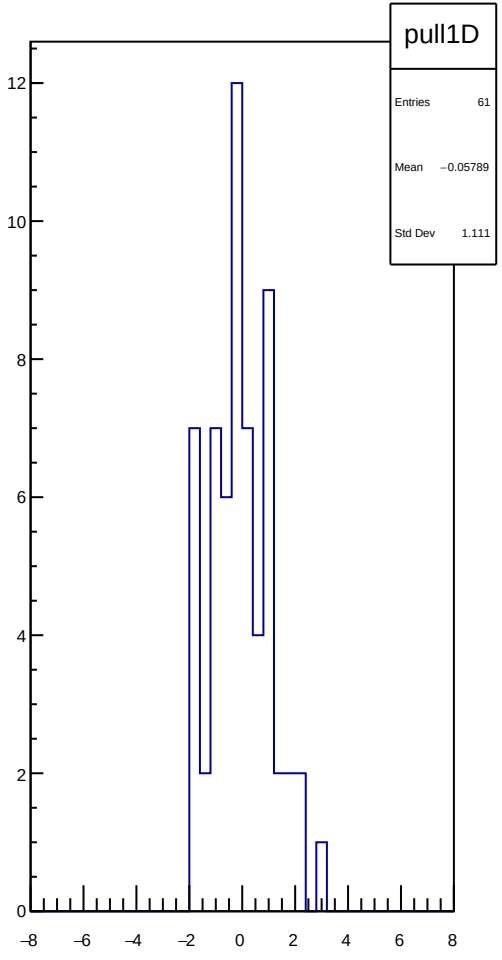

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8238 / 60
p0 23.2 ± 0.02132
36
34
32
30
28
26
24
22
20
18

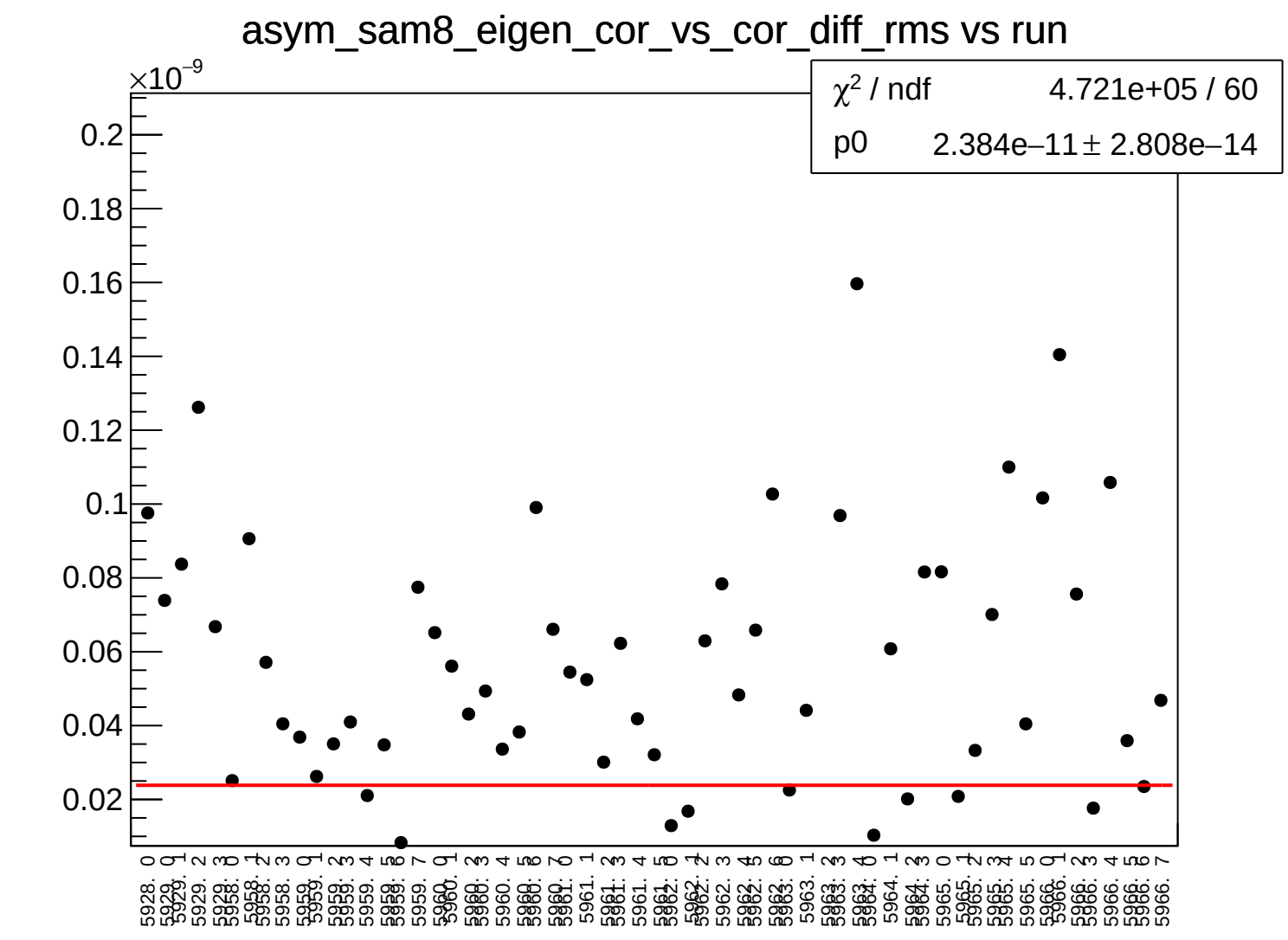

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.62 / 60
p0 −0.04818 ± 0.03015
pull
Entries 61
Mean 37.93
Std Dev 0

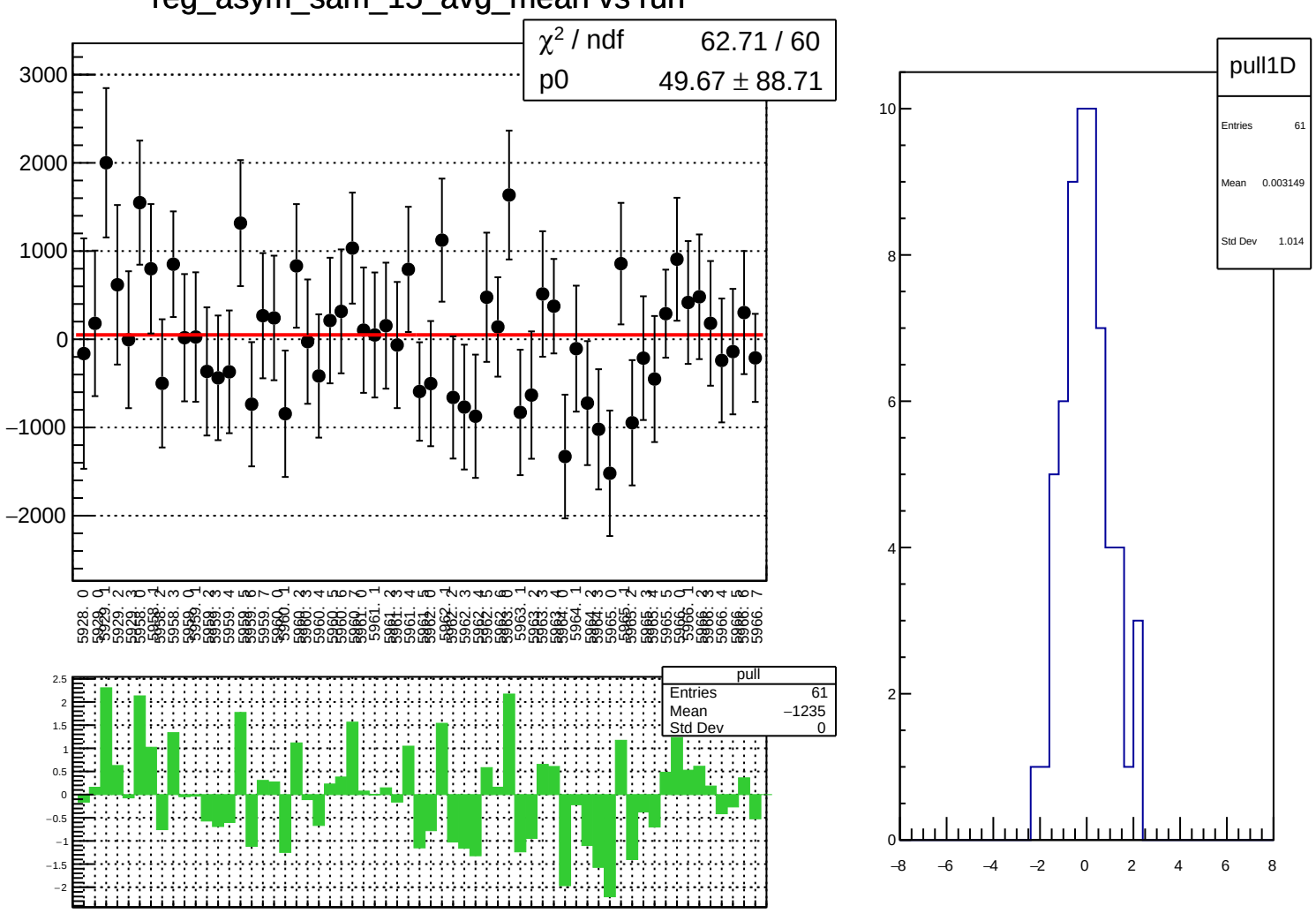

pull1D
Entries 61
Mean 0.02601
Std Dev 1.06

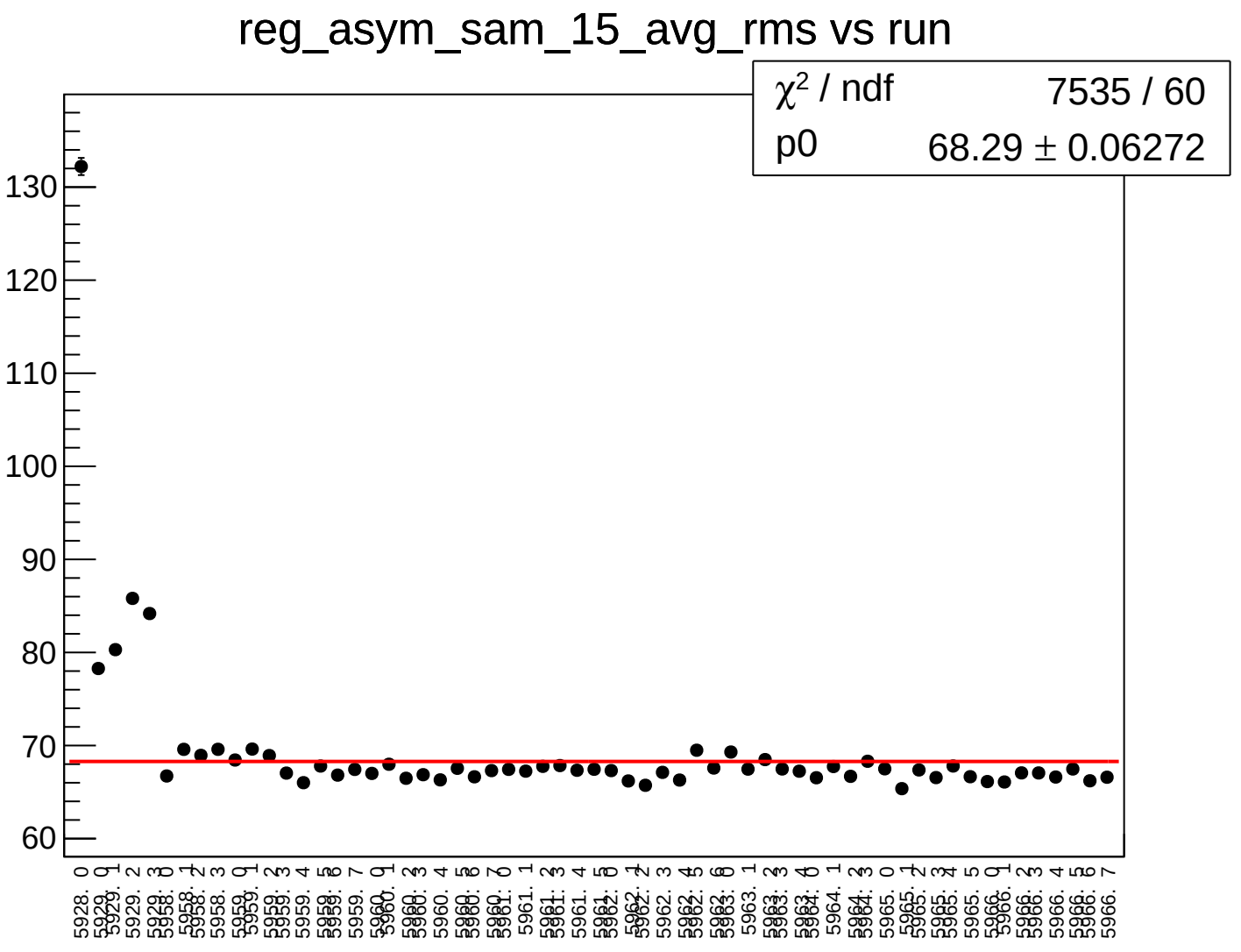

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8238 / 60
p0 23.2 ± 0.02132
36
34
32
30
28
26
24
22
20
18

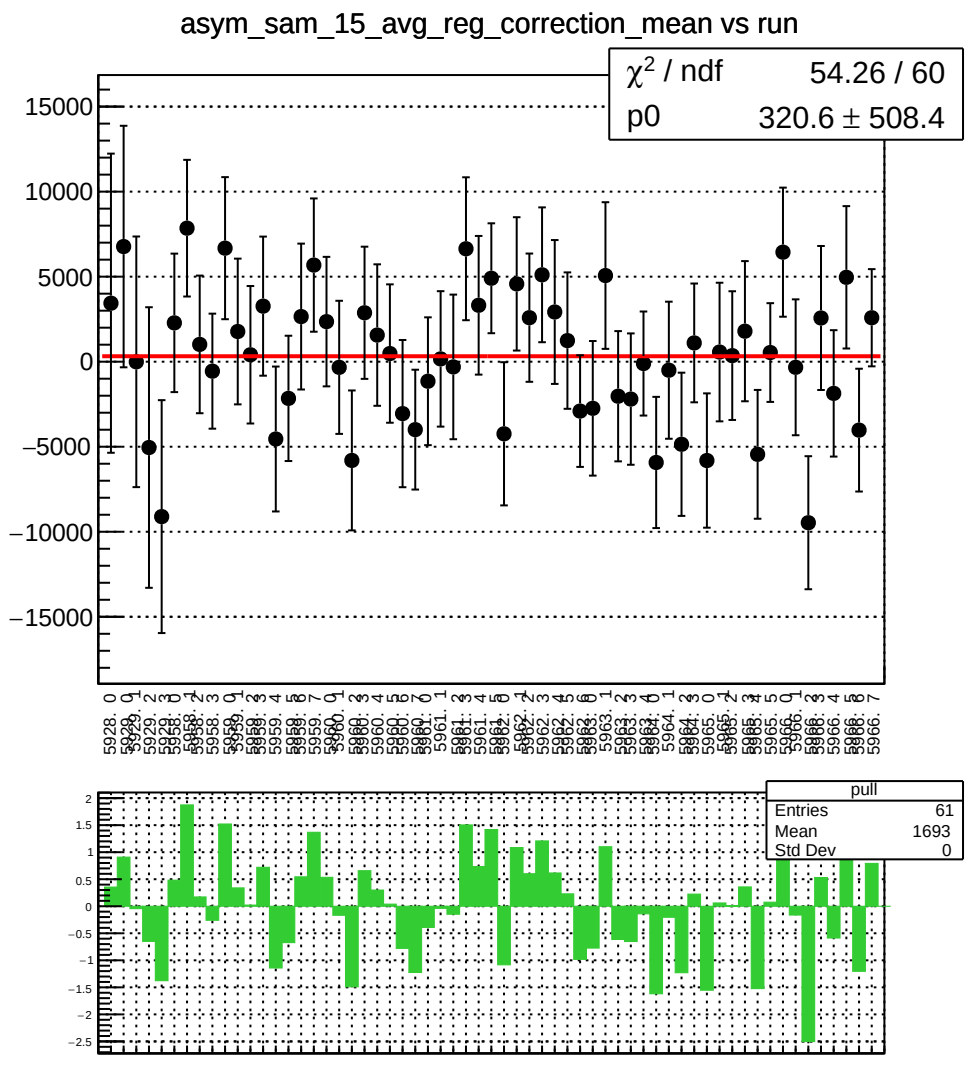

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.48 / 60
p0 5.474e−16 ± 3.971e−14
pull
Entries 61
Mean −44.8
Std Dev 0

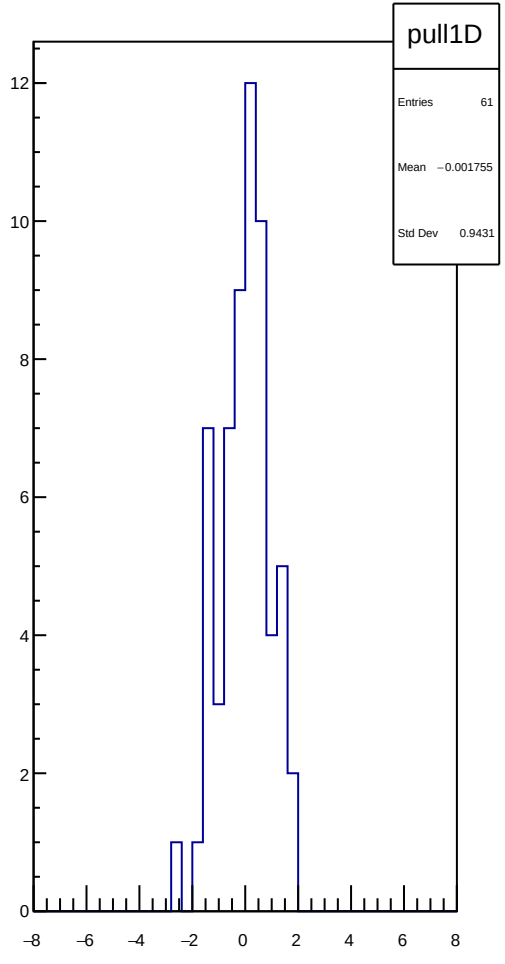

pull1D
Entries 61
Mean −0.05789
Std Dev 1.111

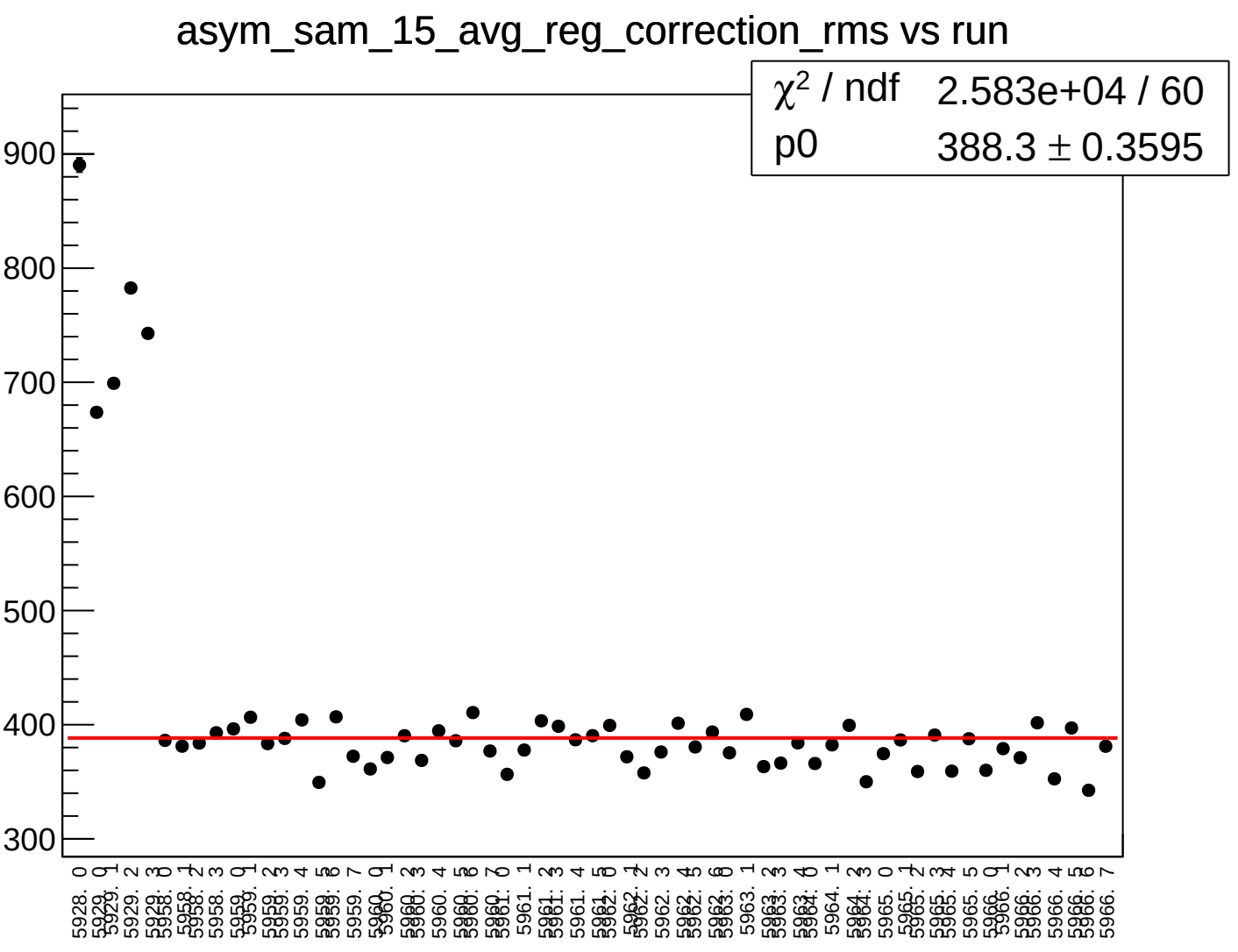

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.721e+05 / 60
p0 2.384e−11 ± 2.808e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

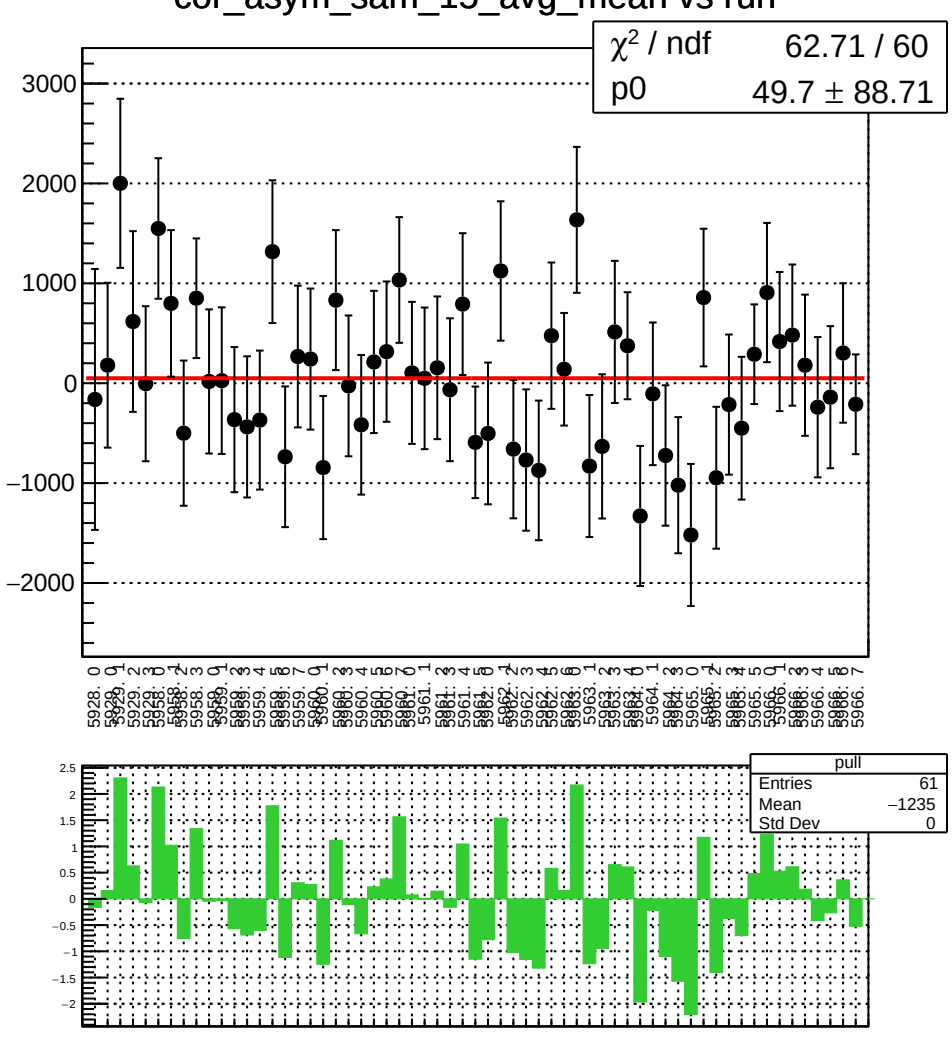

reg_asym_sam_15_avg_mean vs run
χ² / ndf 62.71 / 60
p0 49.67 ± 88.71
pull
Entries 61
Mean −1235
Std Dev 0
pull1D
Entries 61
Mean 0.003149
Std Dev 1.014

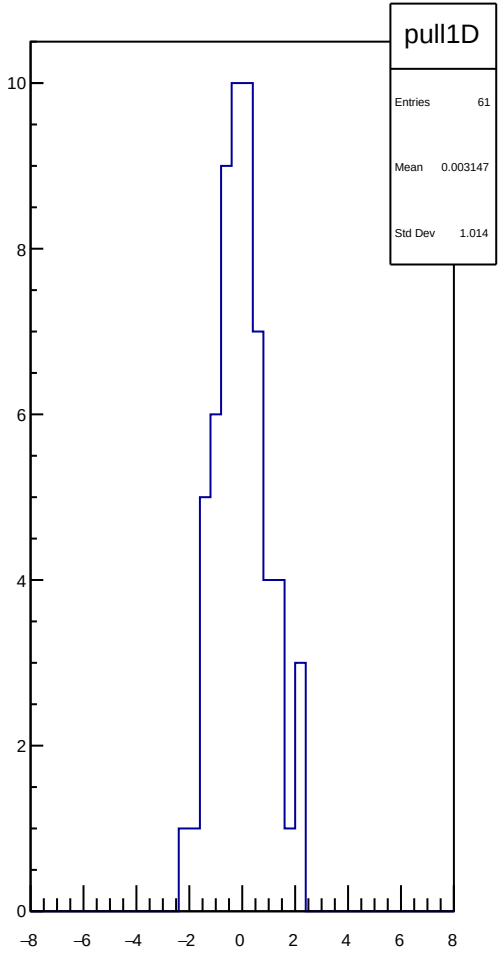

reg_asym_sam_15_avg_rms vs run
χ² / ndf 7535 / 60
p0 68.29 ± 0.06272
130
120
110
100
90
80
70
60

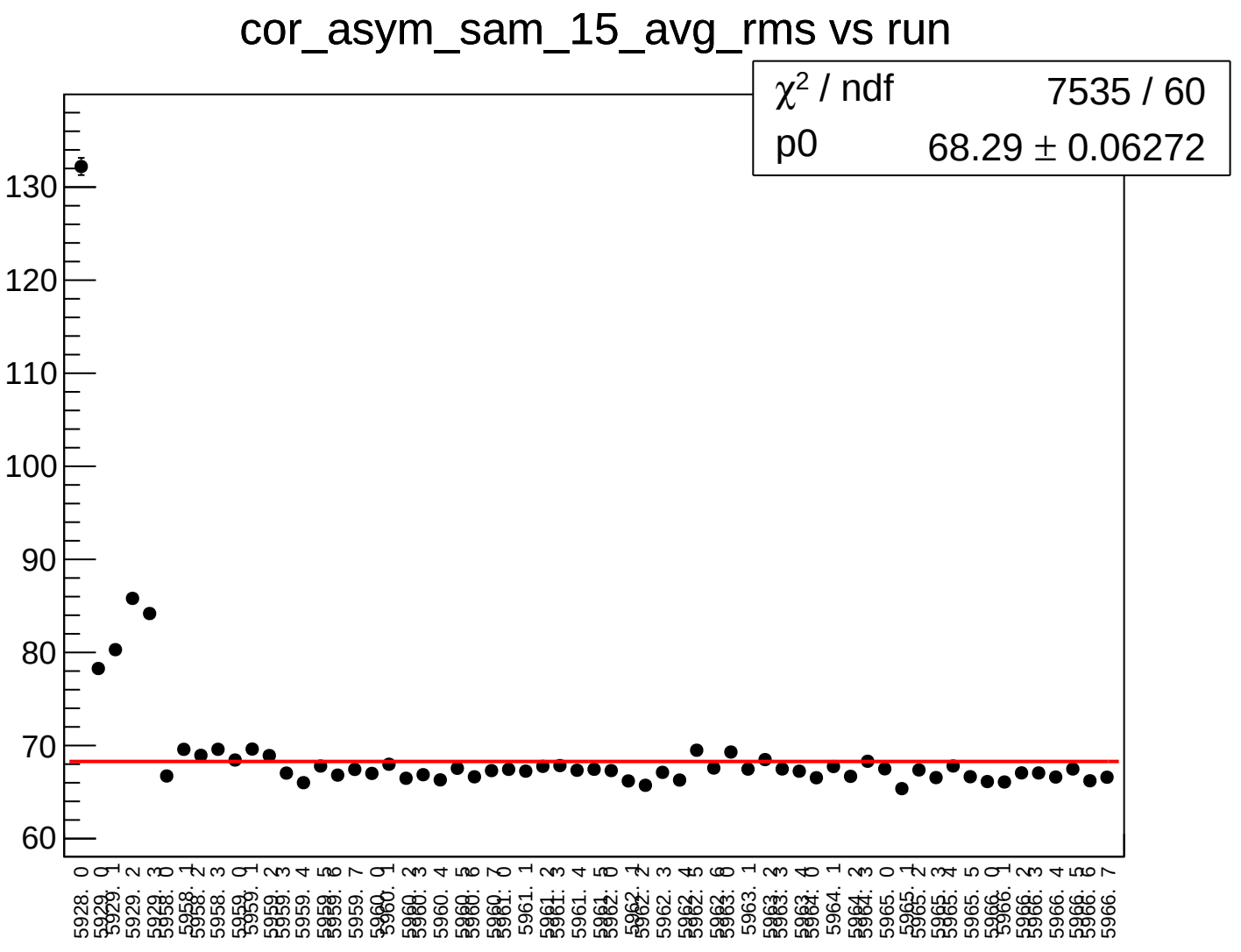

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 54.26 / 60
p0 320.6 ± 508.4
pull
Entries 61
Mean 1693
Std Dev 0

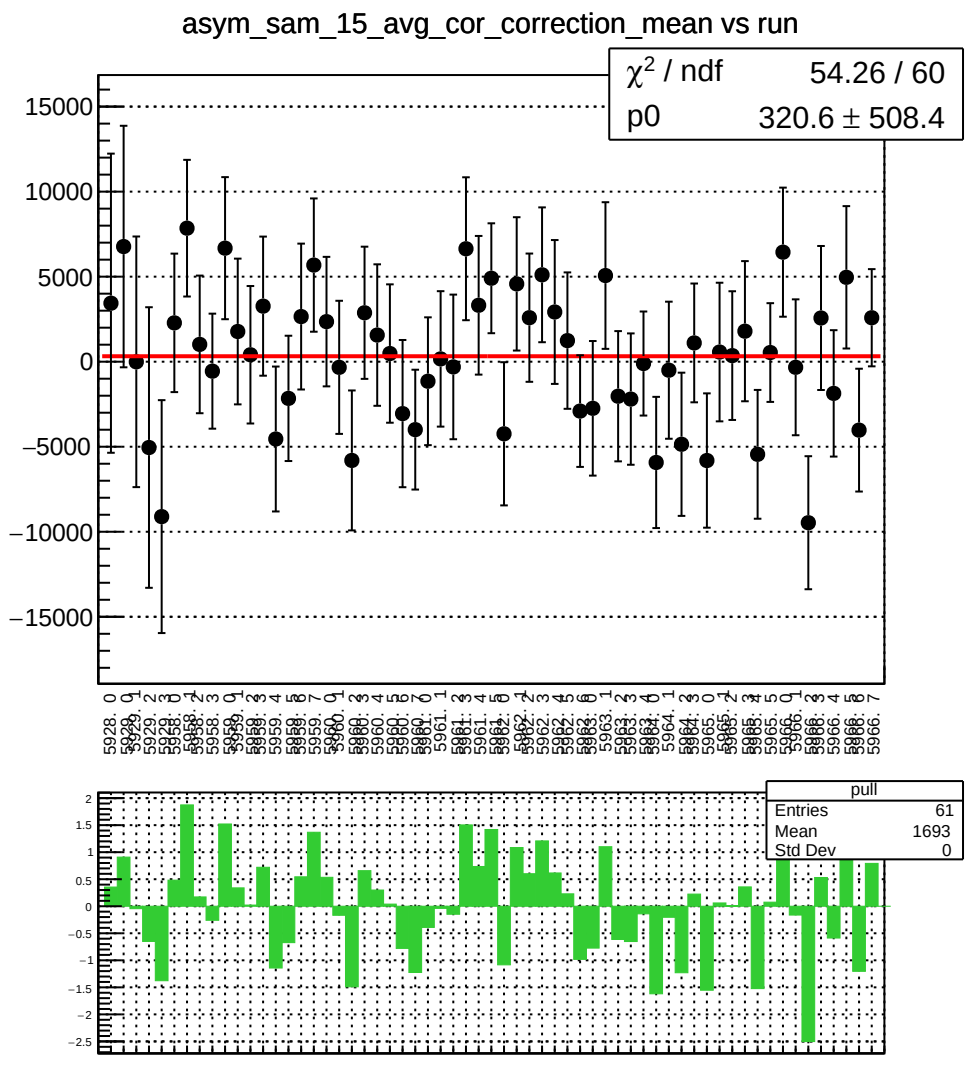

pull1D
Entries 61
Mean −0.001755
Std Dev 0.9431

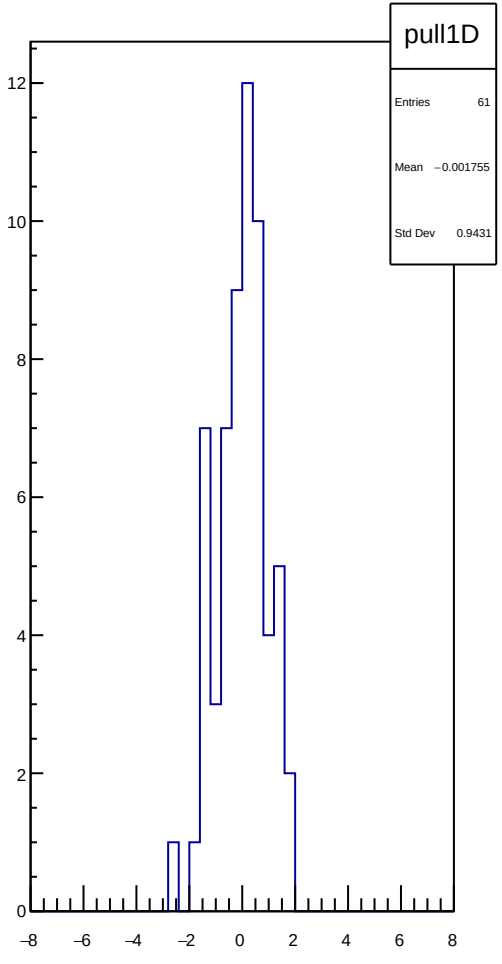

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 2.583e+04 / 60
p0 388.3 ± 0.3595
900
800
700
600
500
400
300

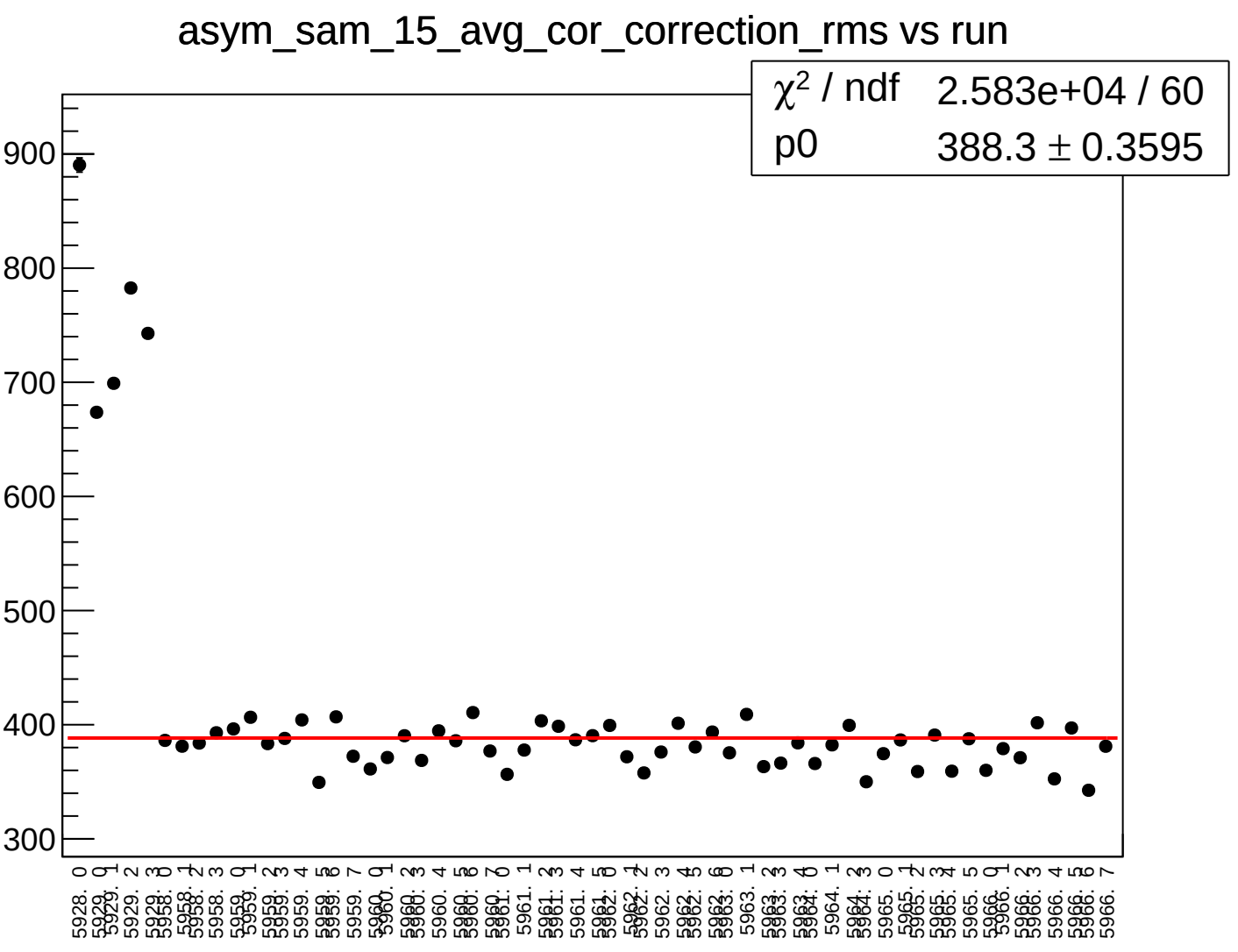

cor_asym_sam_15_avg_mean vs run
χ² / ndf 62.71 / 60
p0 49.7 ± 88.71
pull
Entries 61
Mean −1235
Std Dev 0

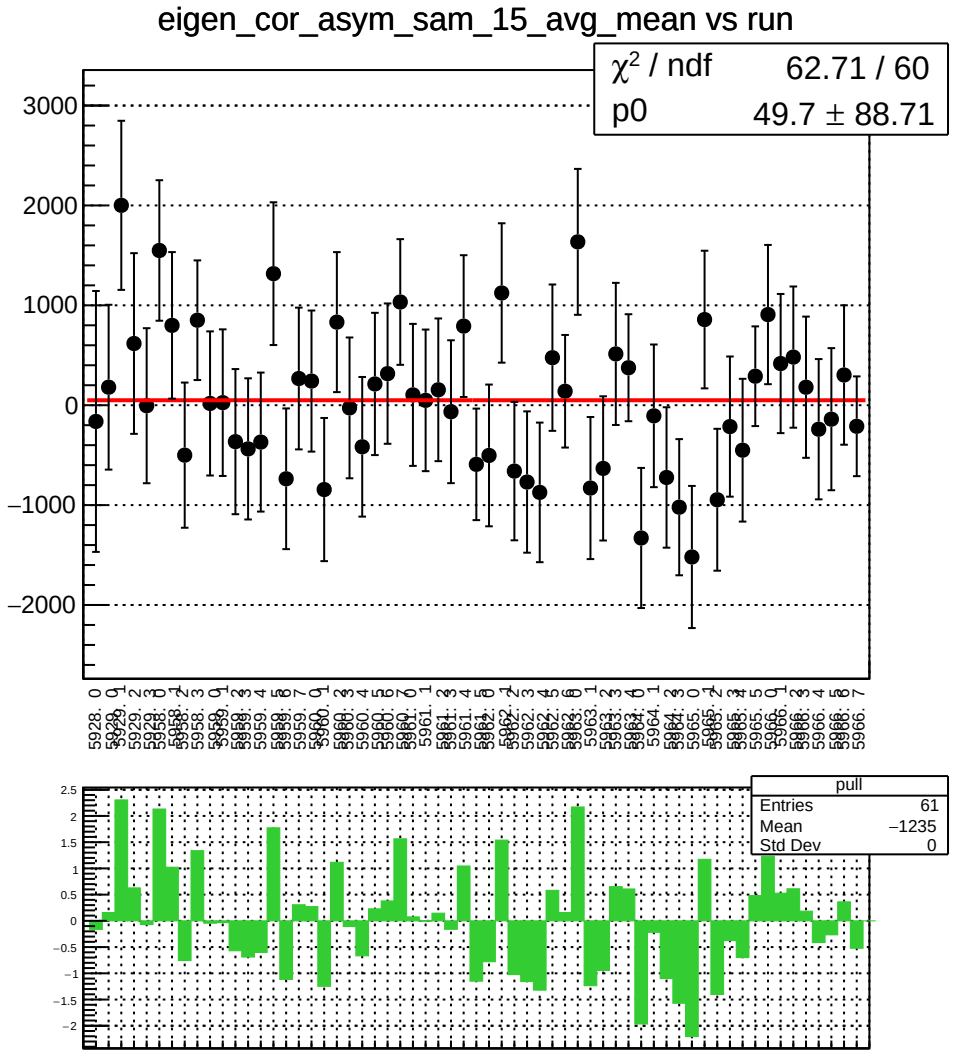

pull1D
Entries 61
Mean 0.003147
Std Dev 1.014

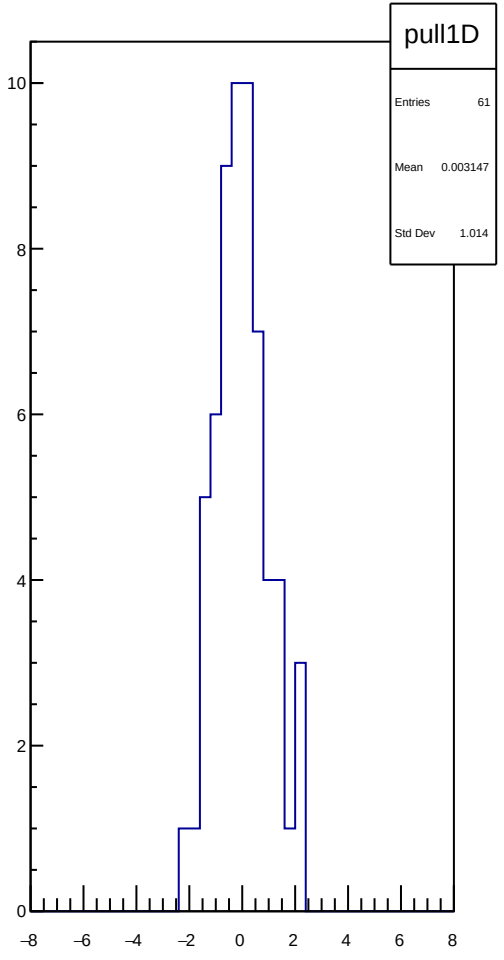

cor_asym_sam_15_avg_rms vs run
χ² / ndf 7535 / 60
p0 68.29 ± 0.06272
130
120
110
100
90
80
70
60

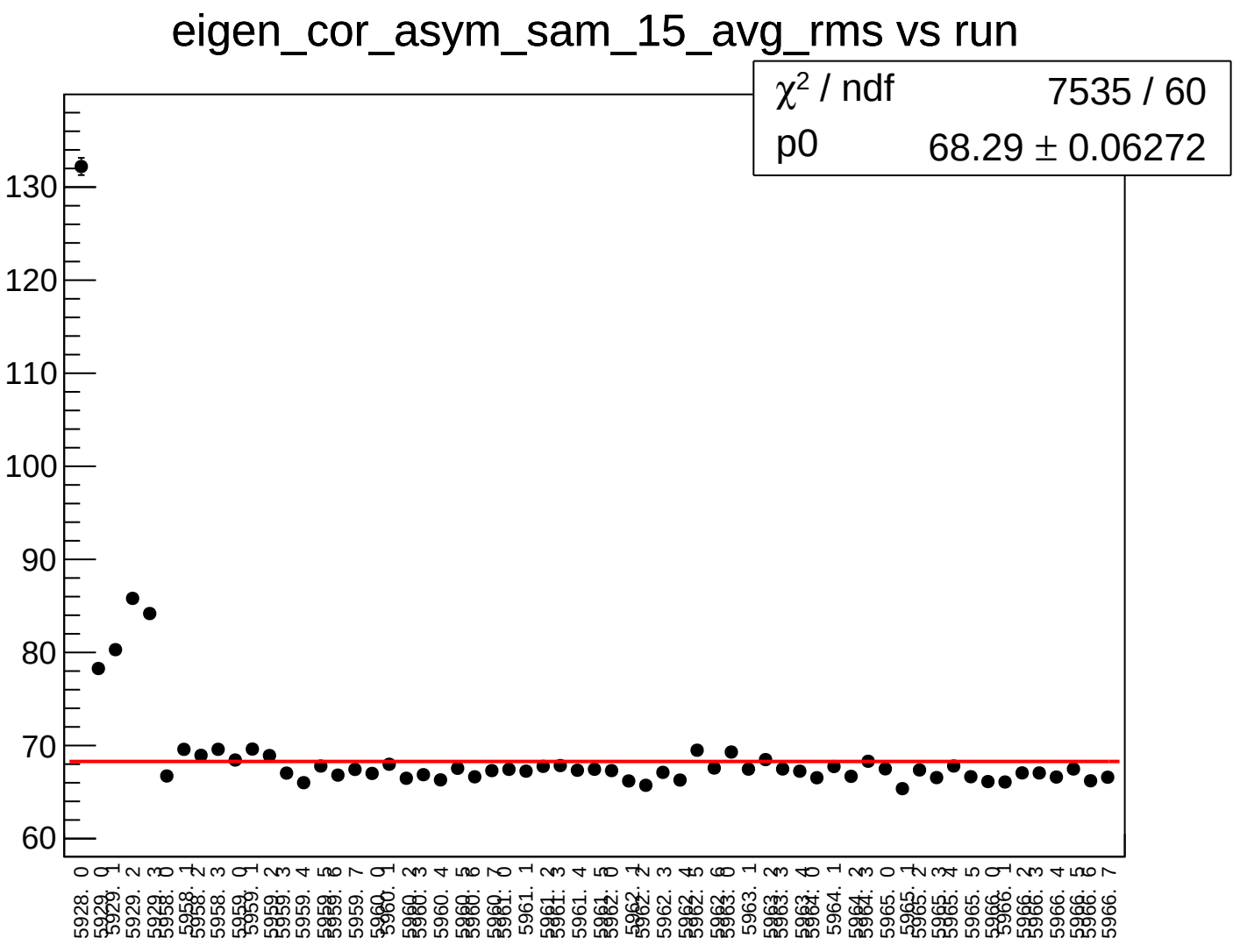

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 54.26 / 60
p0 320.6 ± 508.4
pull
Entries 61
Mean 1693
Std Dev 0

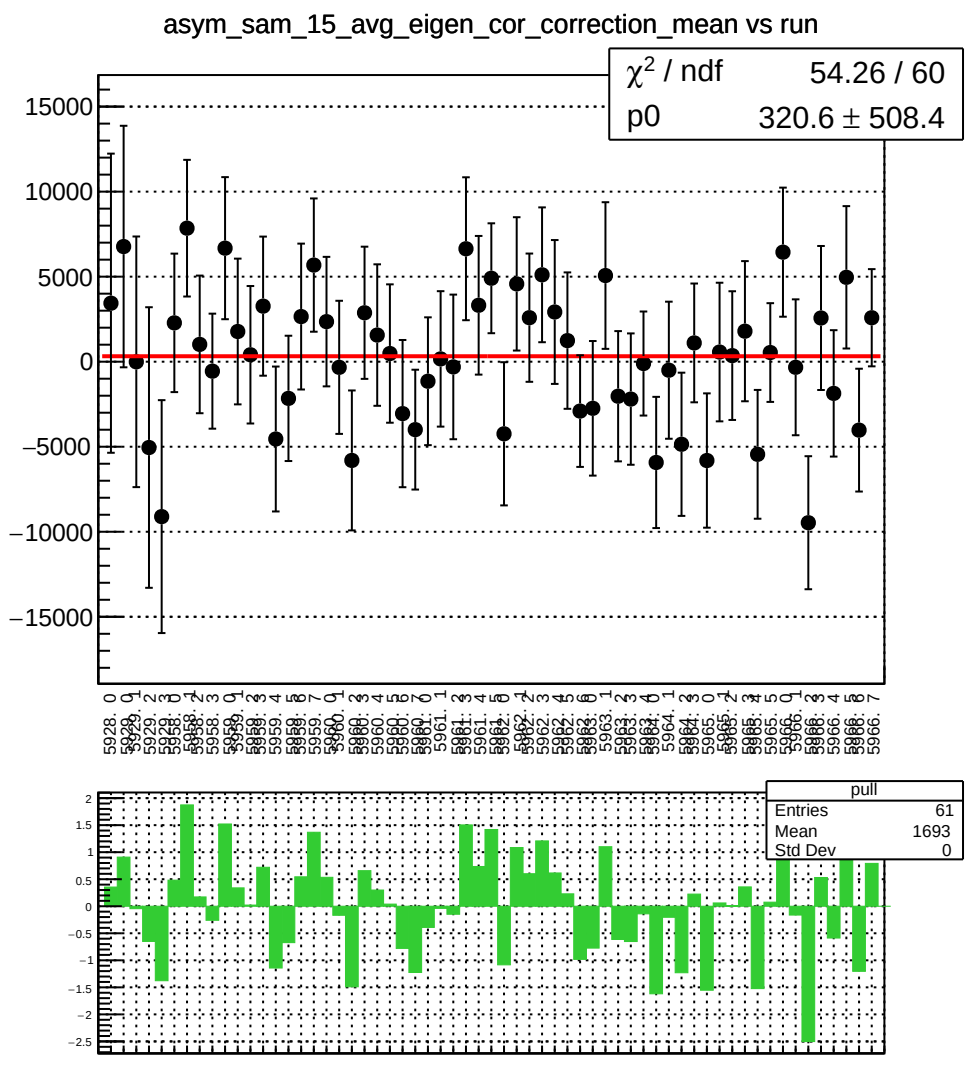

pull1D
Entries 61
Mean −0.001755
Std Dev 0.9431

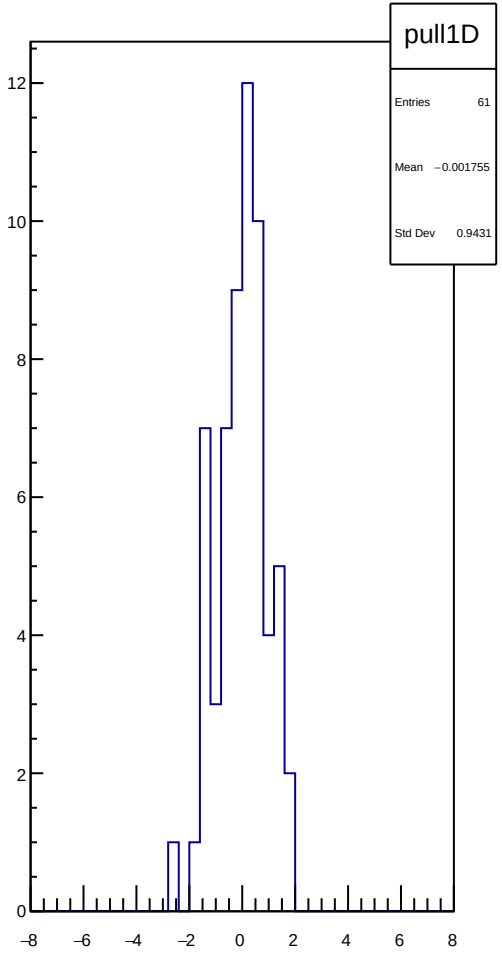

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 2.583e+04 / 60
p0 388.3 ± 0.3595
900
800
700
600
500
400
300

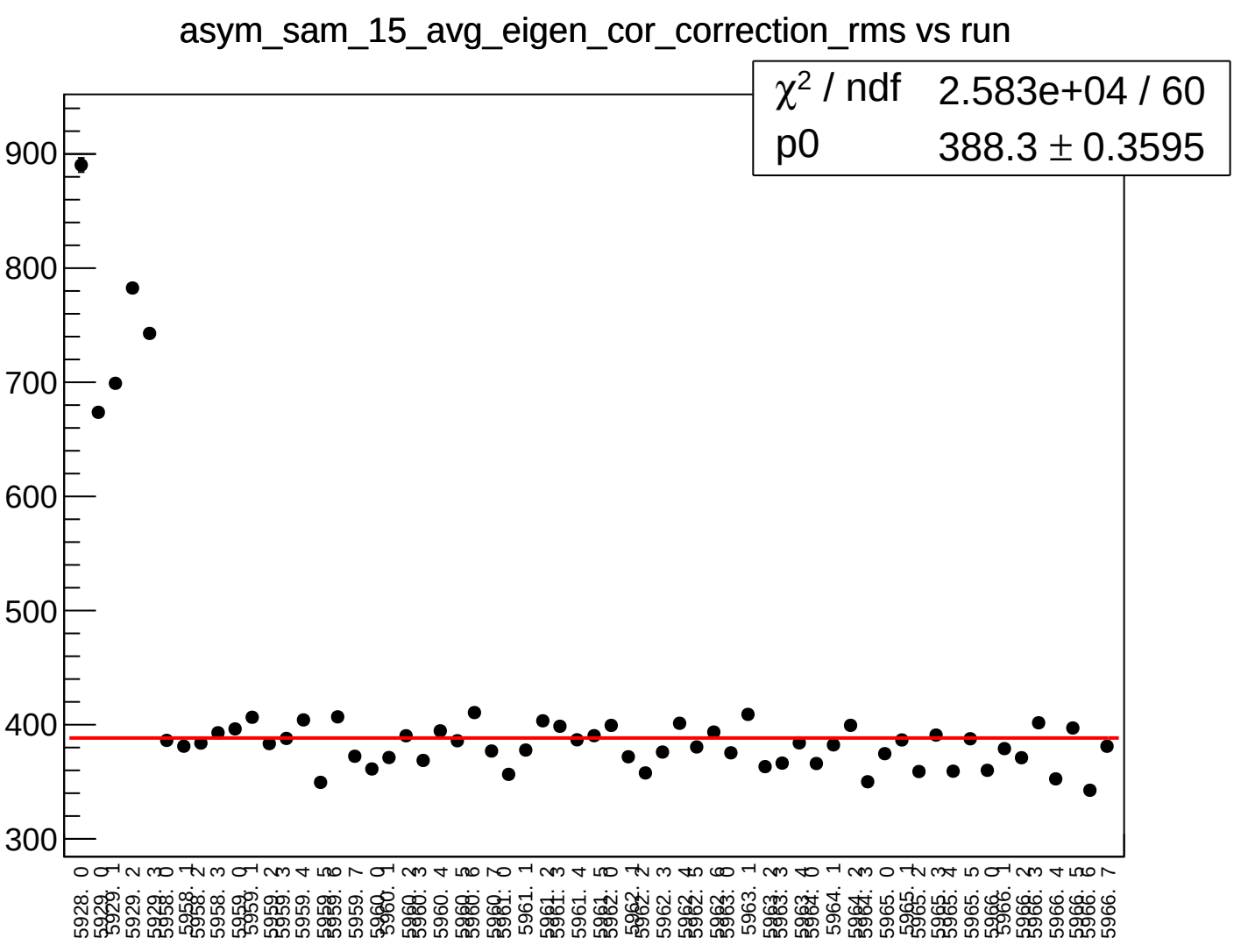

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 62.71 / 60
p0 49.7 ± 88.71
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −1235
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

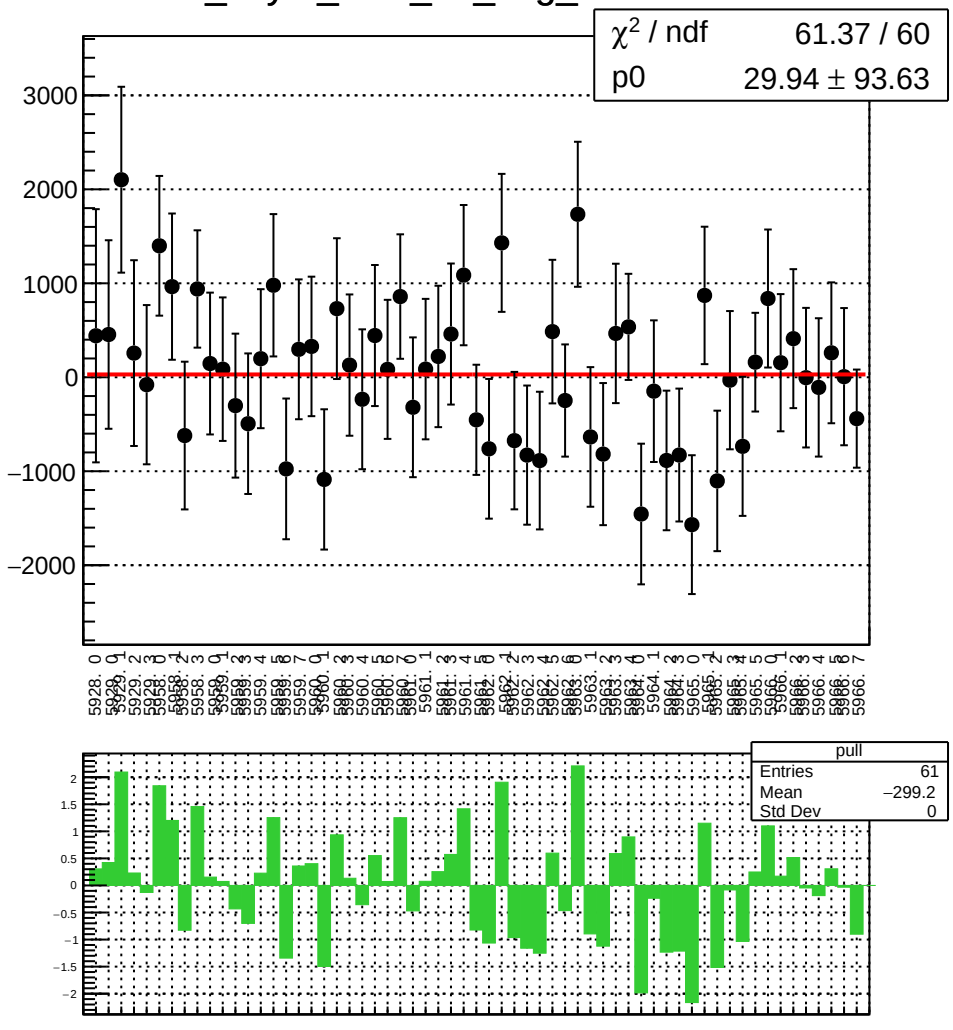

pull1D
Entries 61
Mean 0.003147
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

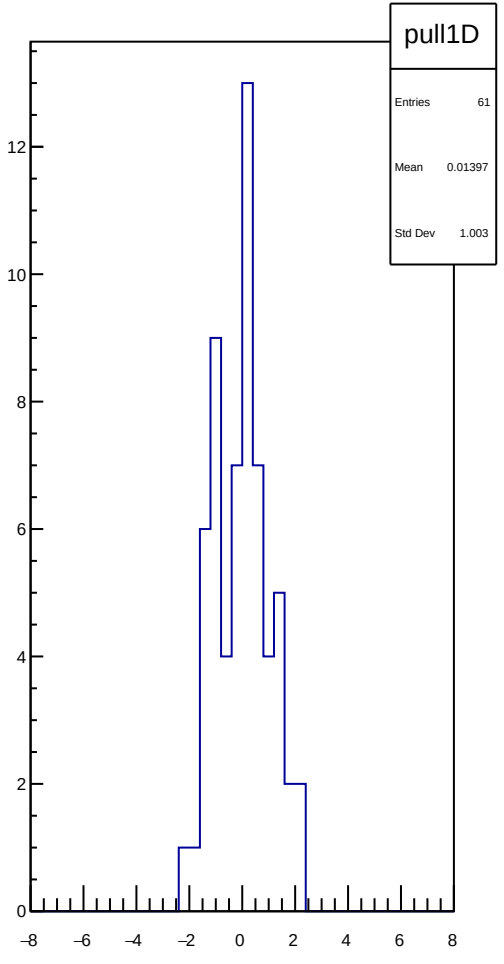

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 7535 / 60
p0 68.29 ± 0.06272
130
120
110
100
90
80
70
60

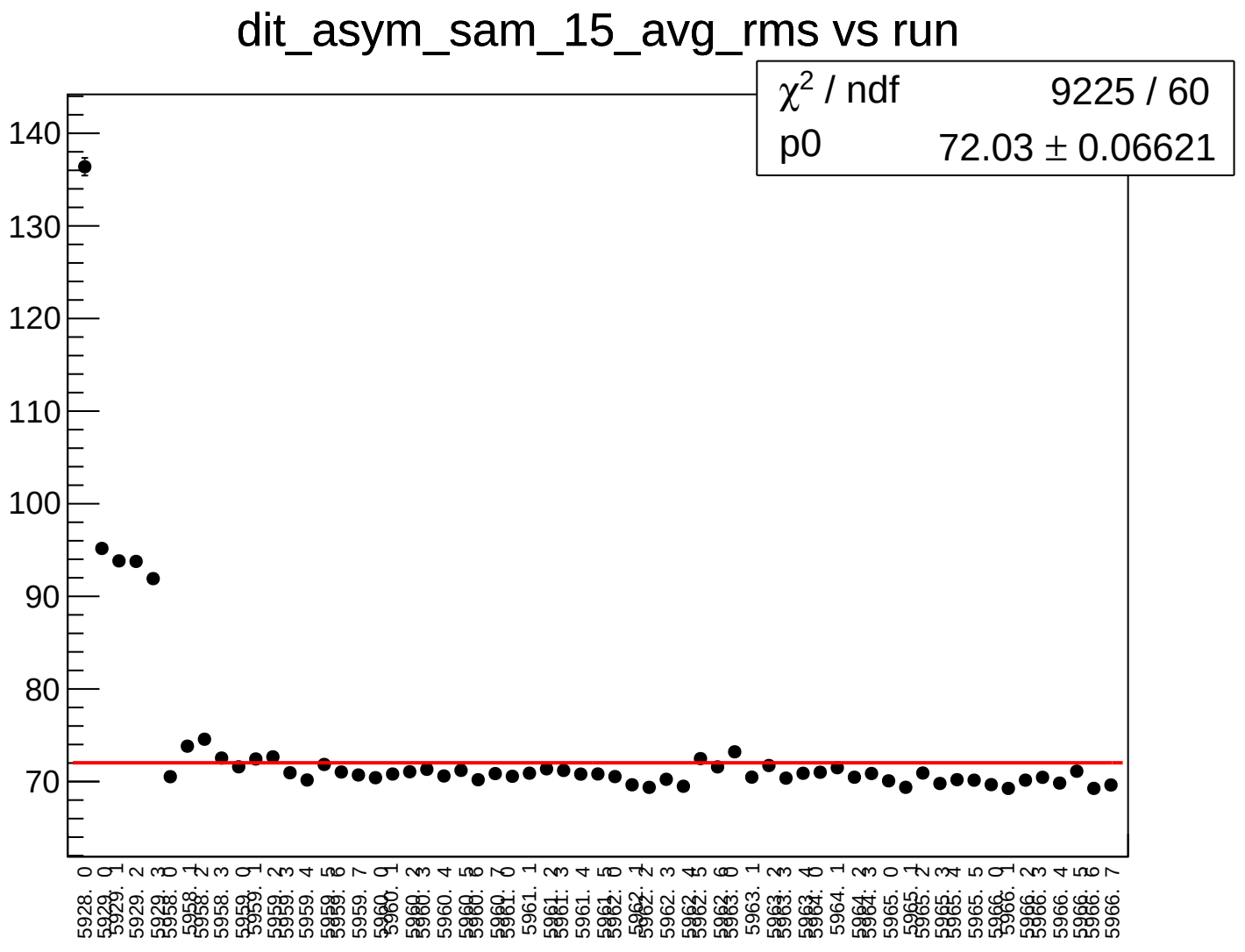

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.26 / 60
p0 320.6 ± 508.4
pull
Entries 61
Mean 1693
Std Dev 0

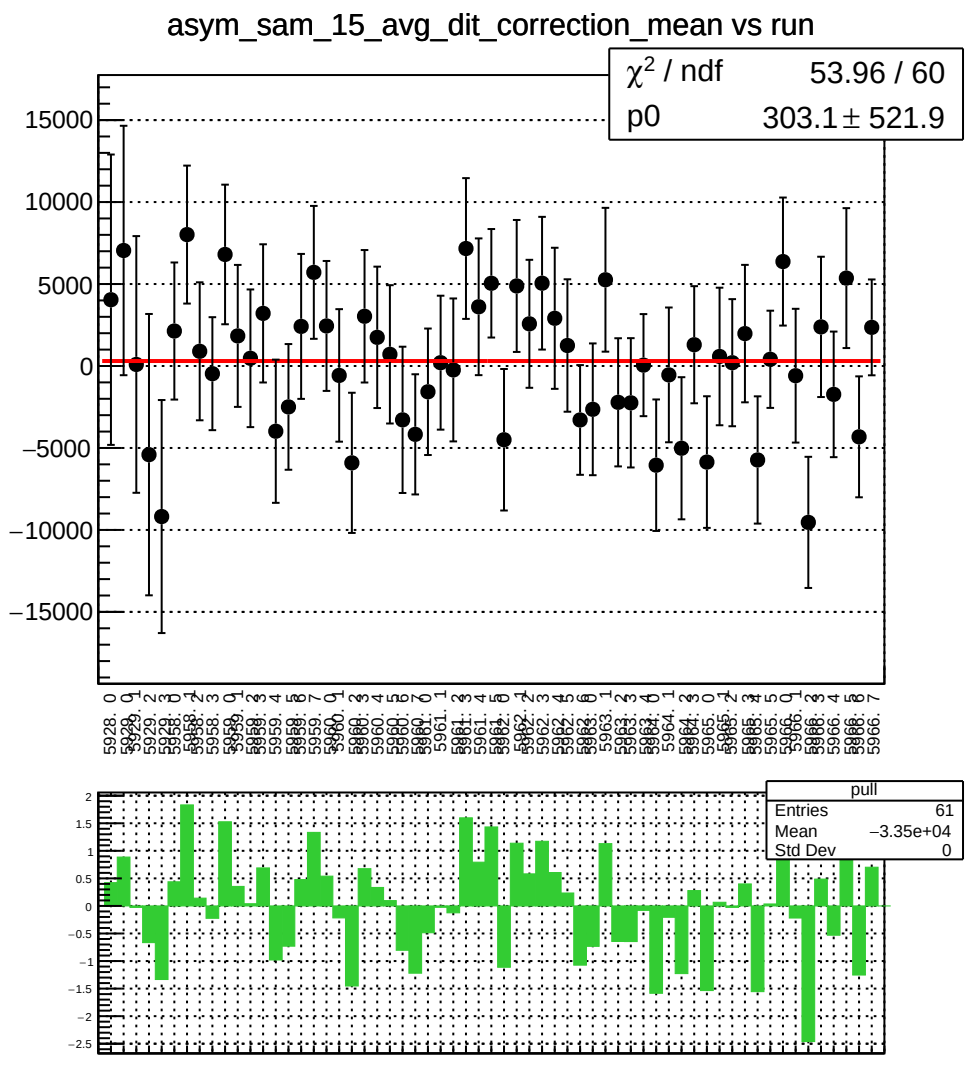

pull1D
Entries 61
Mean −0.001755
Std Dev 0.9431

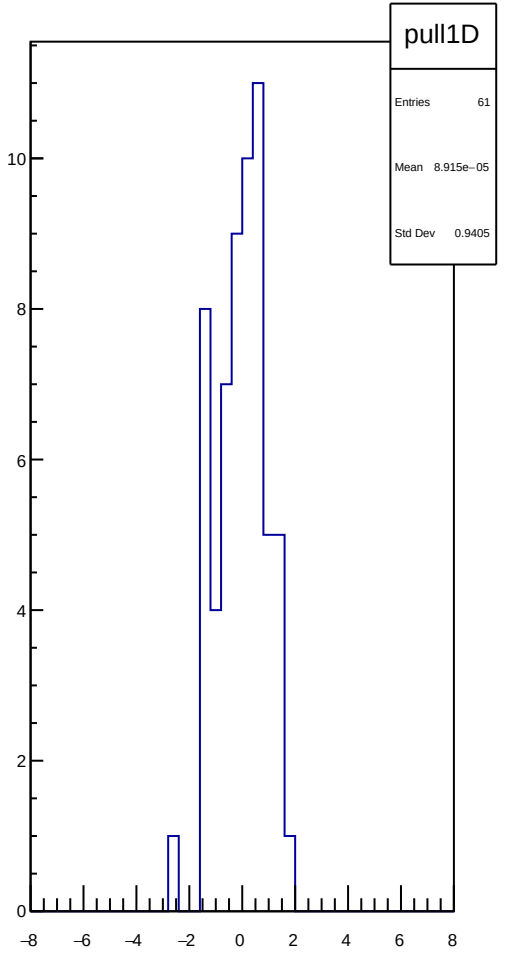

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 2.583e+04 / 60
p0 388.3 ± 0.3595
900
800
700
600
500
400
300

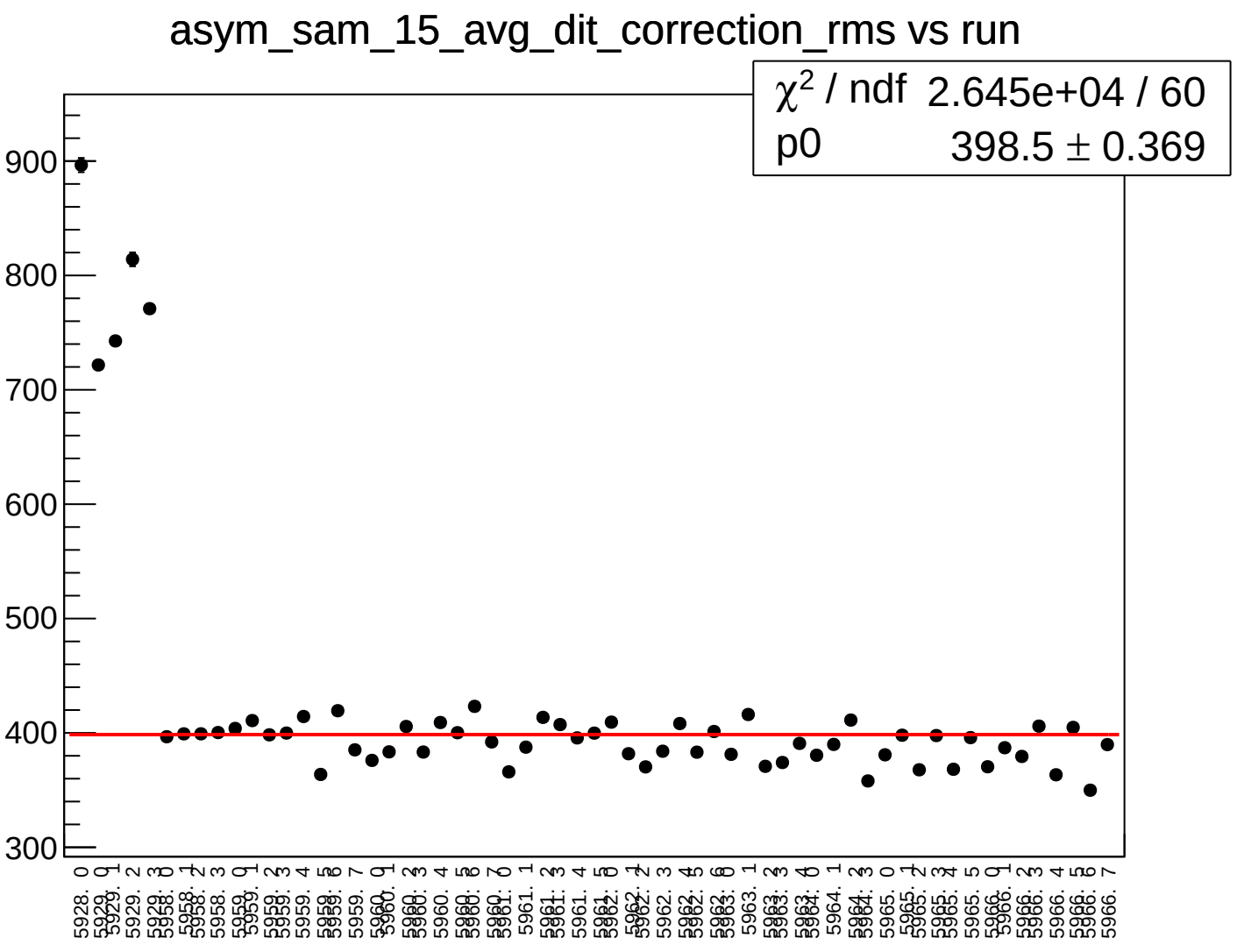

dit_asym_sam_15_avg_mean vs run
χ² / ndf 61.37 / 60
p0 29.94 ± 93.63
pull
Entries 61
Mean −299.2
Std Dev 0

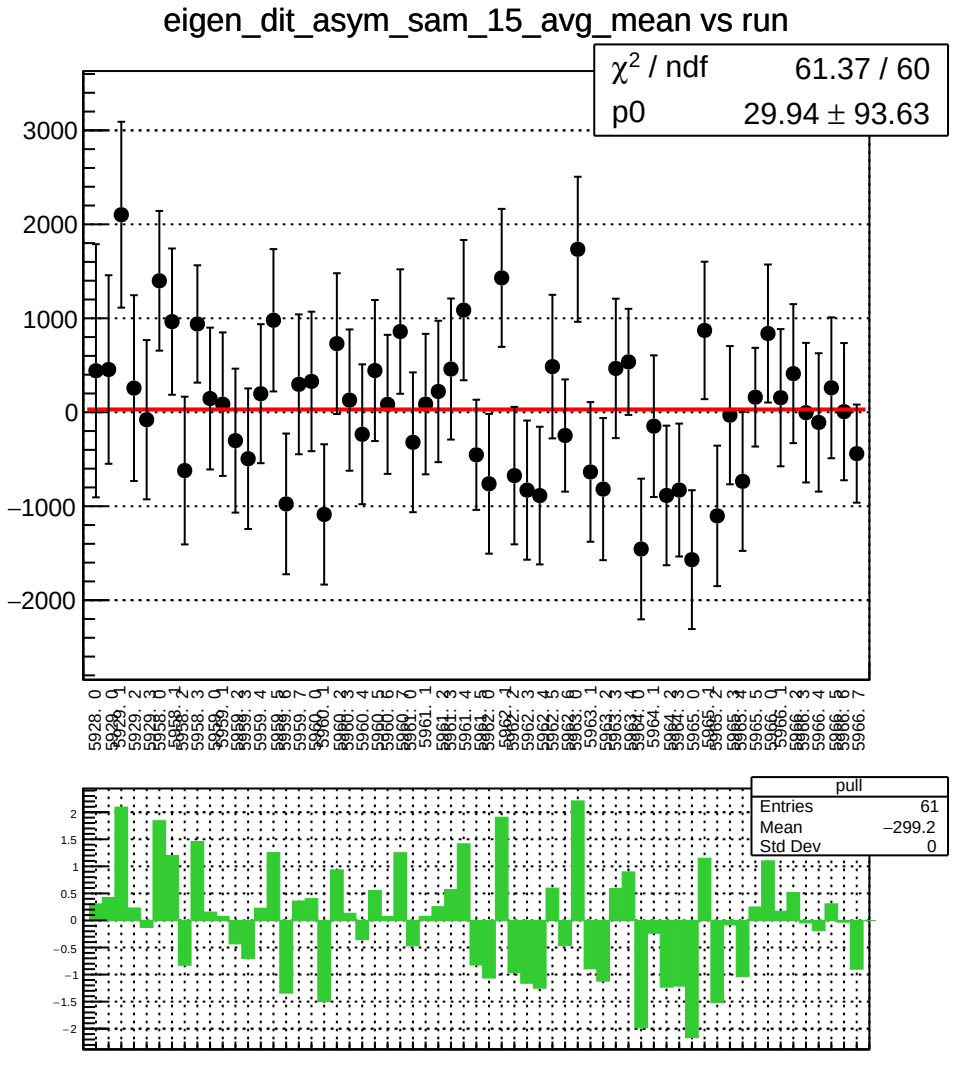

pull1D
Entries 61
Mean 0.01397
Std Dev 1.003

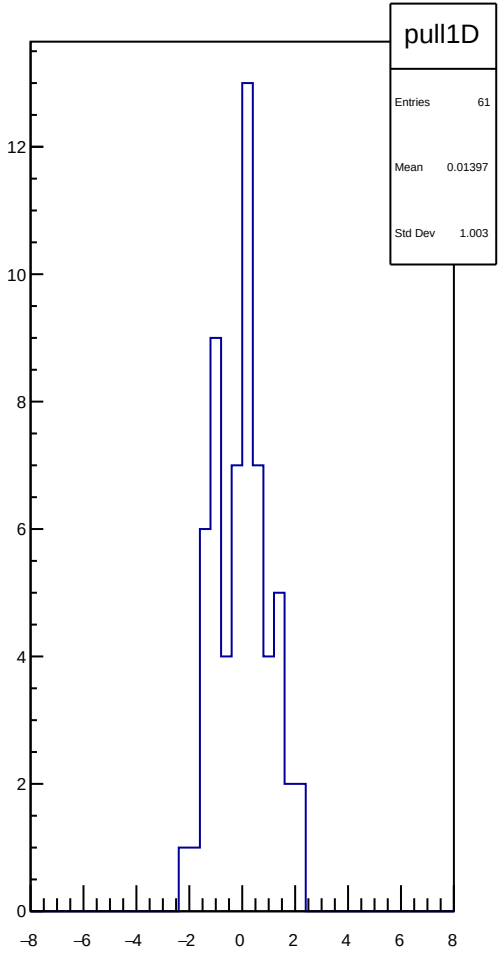

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 9225 / 60
p0 72.03 ± 0.06621
140
130
120
110
100
90
80
70

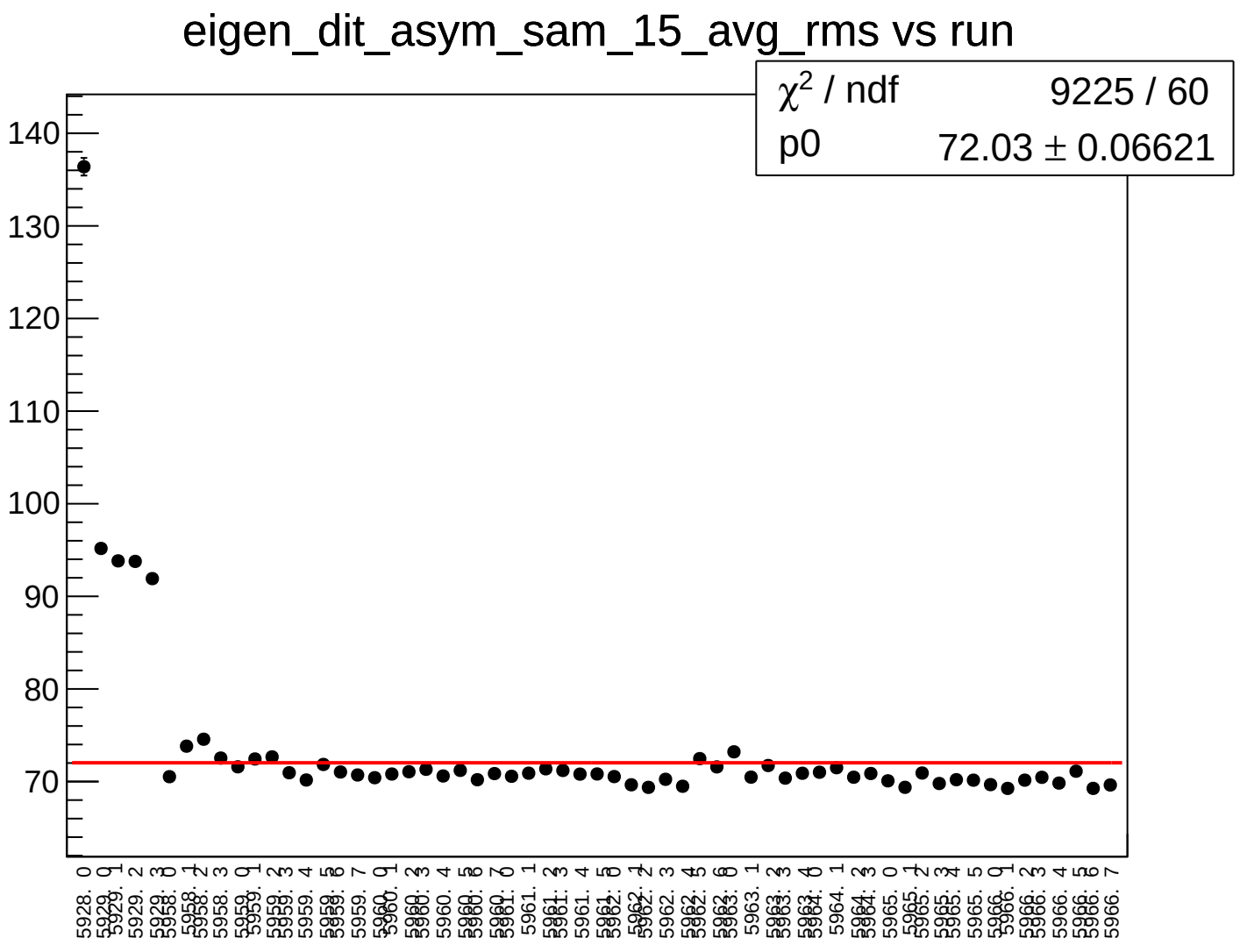

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 53.96 / 60
p0 303.1 ± 521.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean −3.35e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

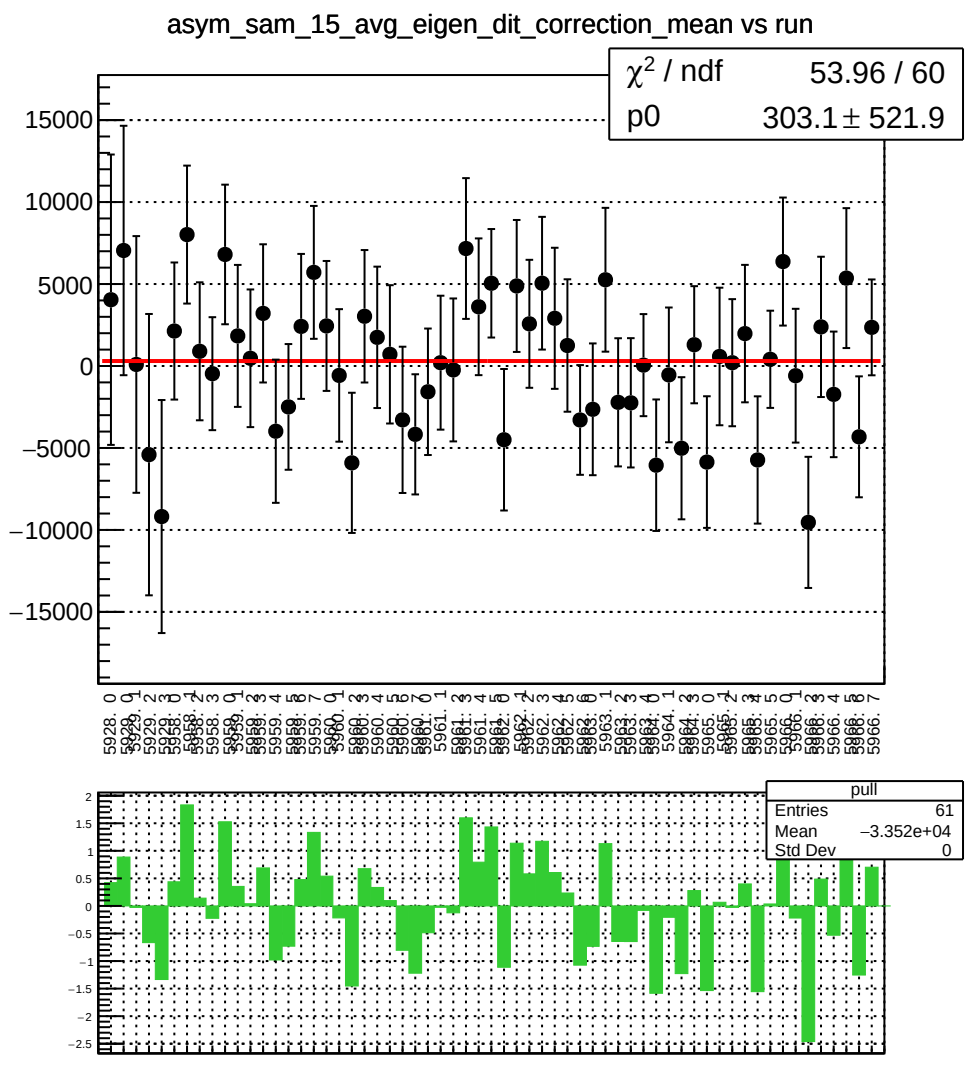

pull1D
Entries 61
Mean 8.915e−05
Std Dev 0.9405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

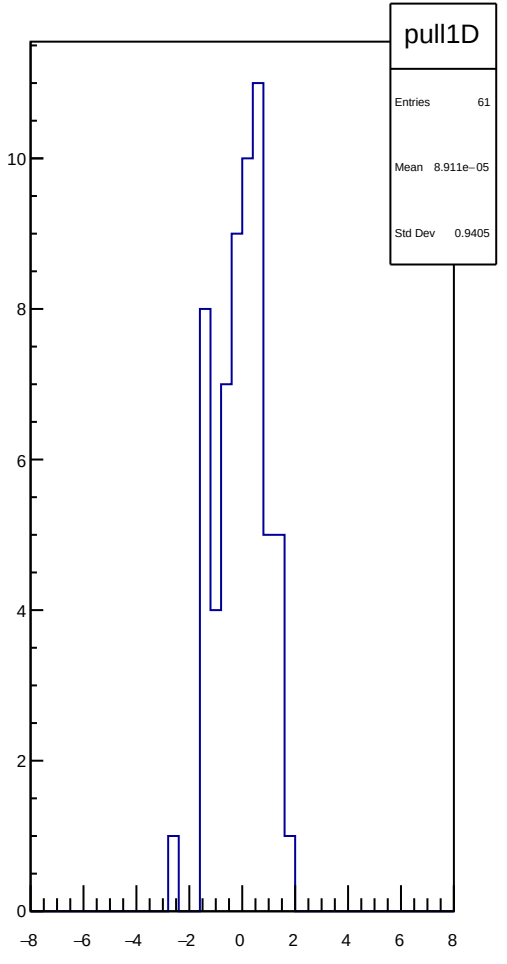

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 2.645e+04 / 60
p0 398.5 ± 0.369
900
800
700
600
500
400
300

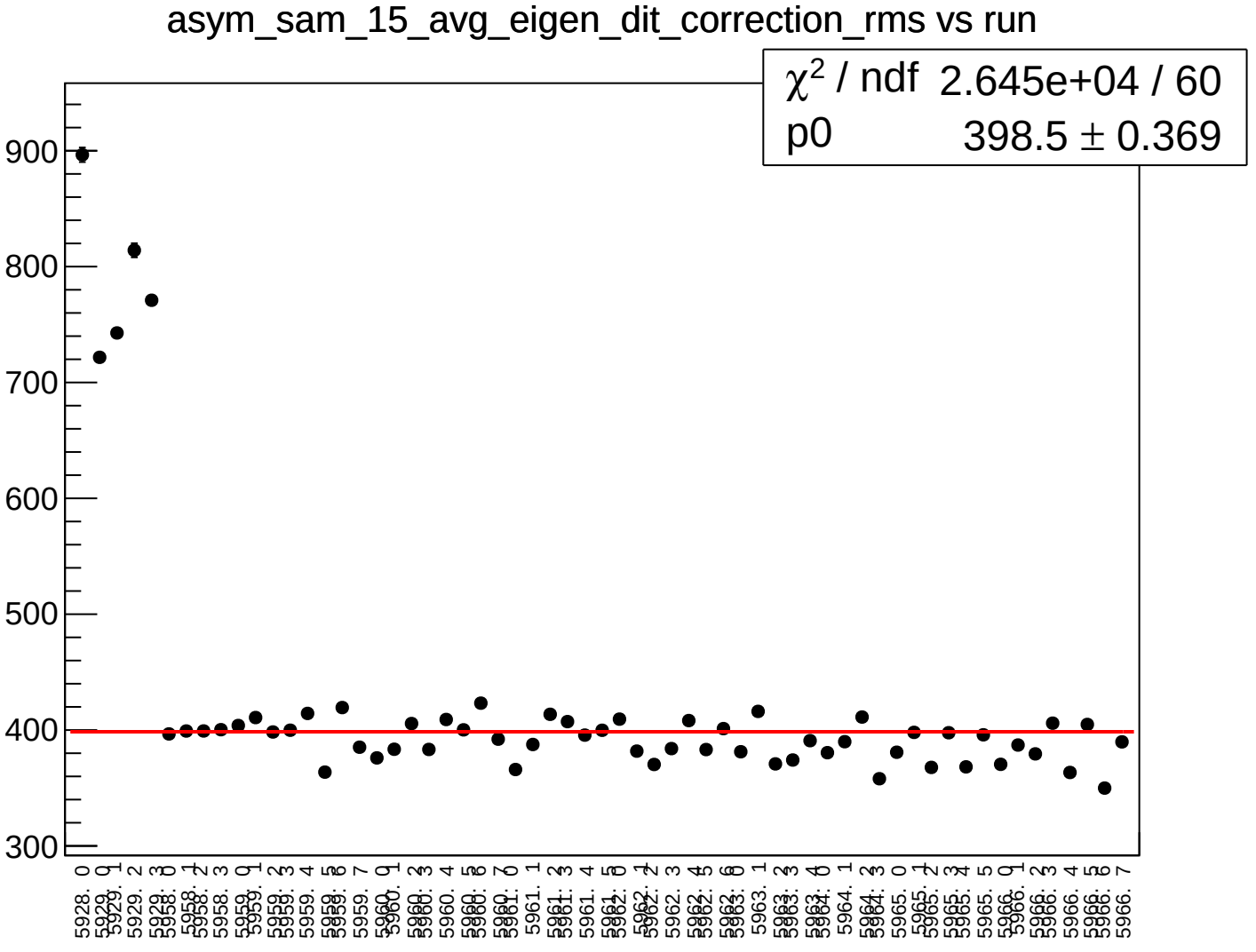

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 61.37 / 60
p0 29.94 ± 93.63
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −299.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

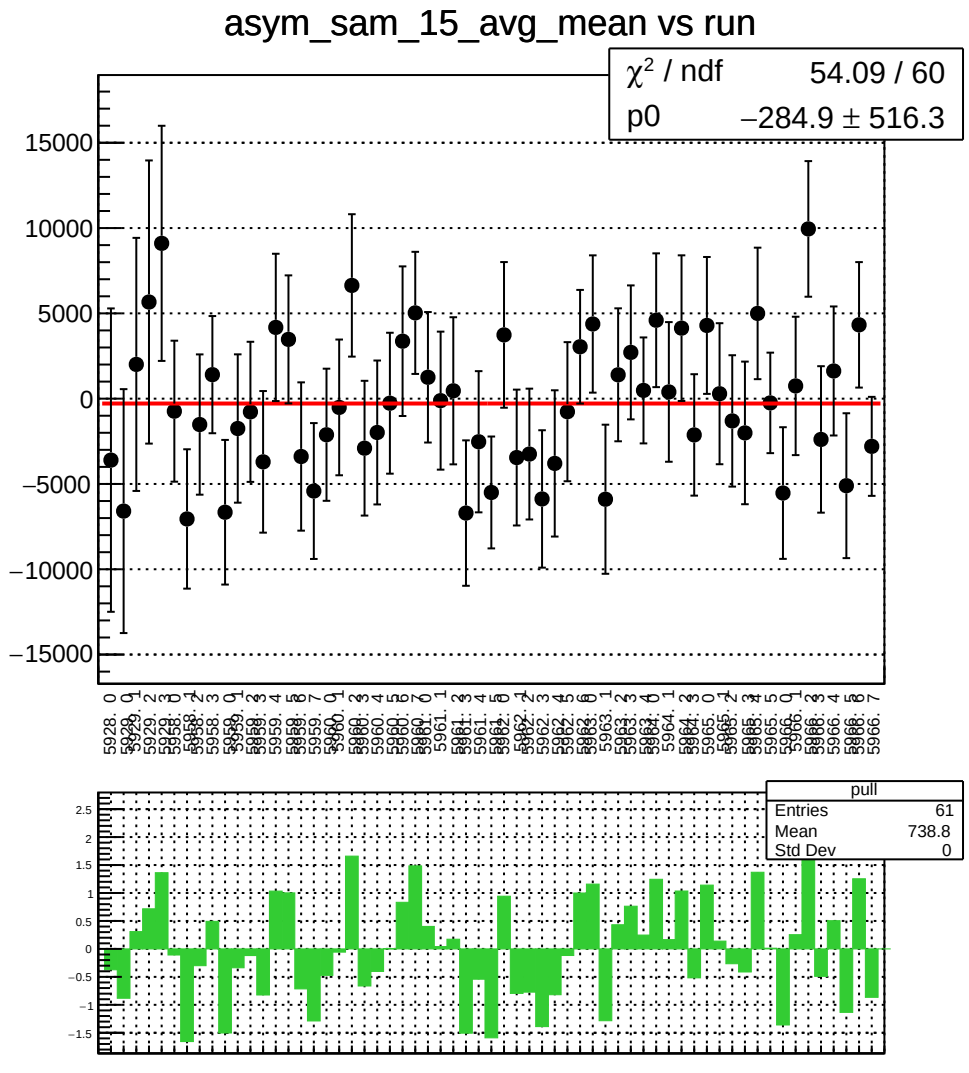

pull1D
Entries 61
Mean 0.01397
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

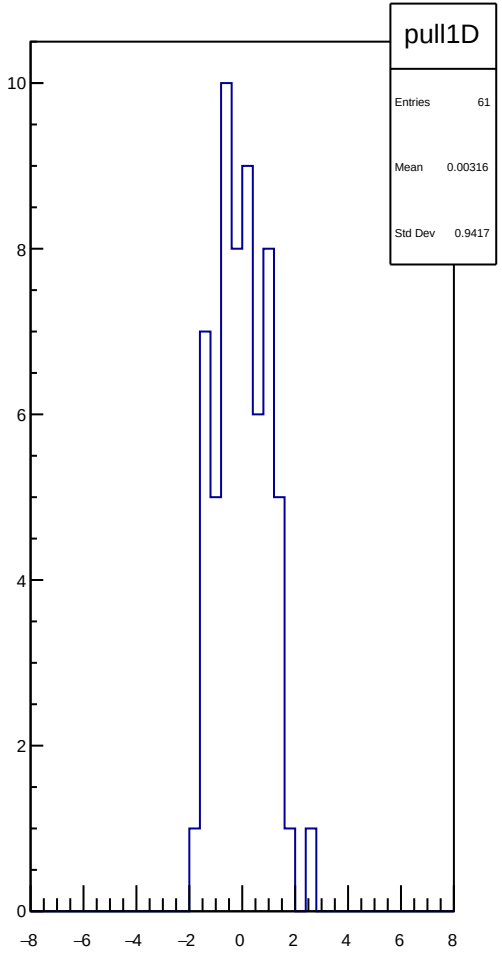

eigen_dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 9225 / 60
p0 72.03 ± 0.06621
140
130
120
110
100
90
80
70

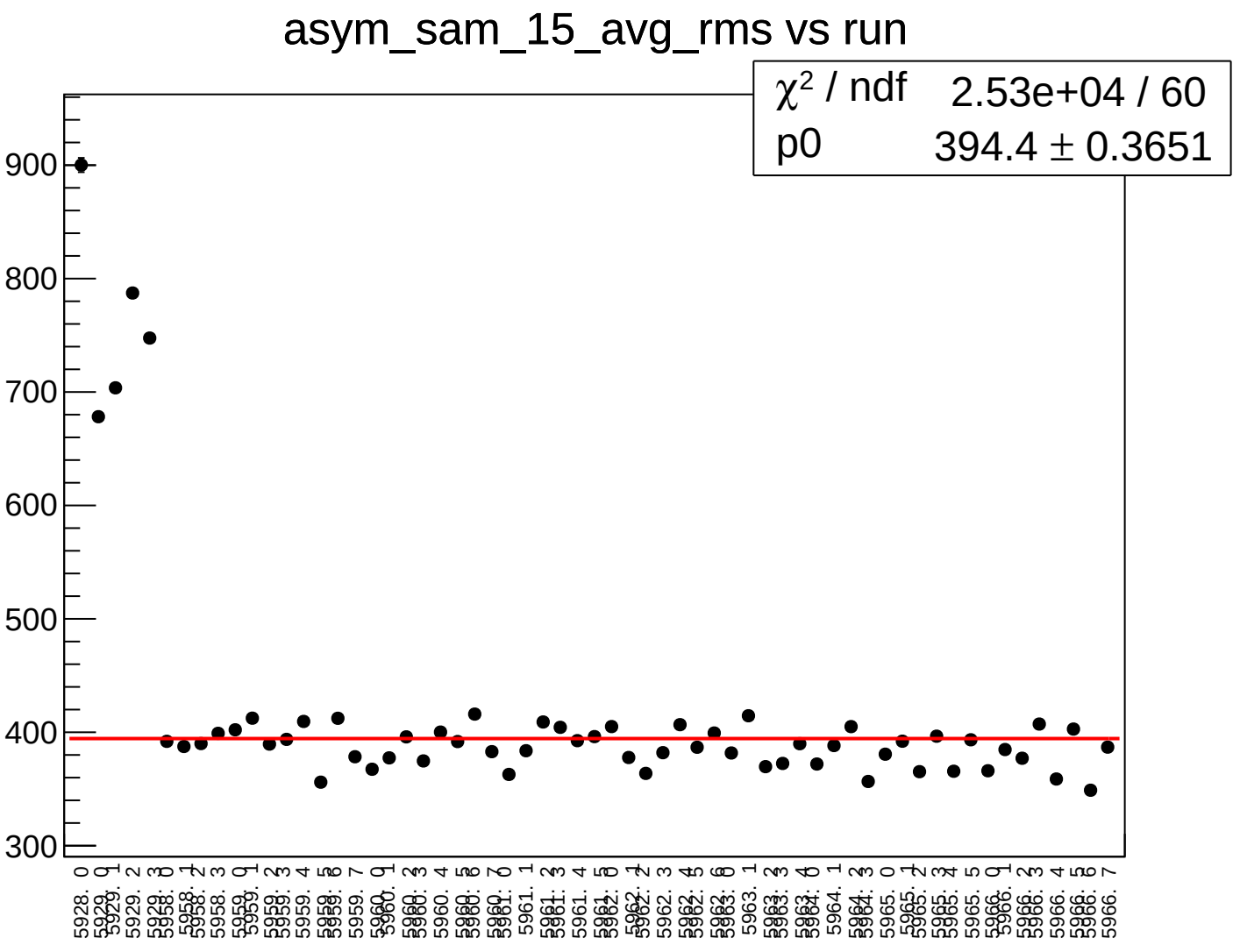

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 53.96 / 60
p0 303.1 ± 521.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean −3.352e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

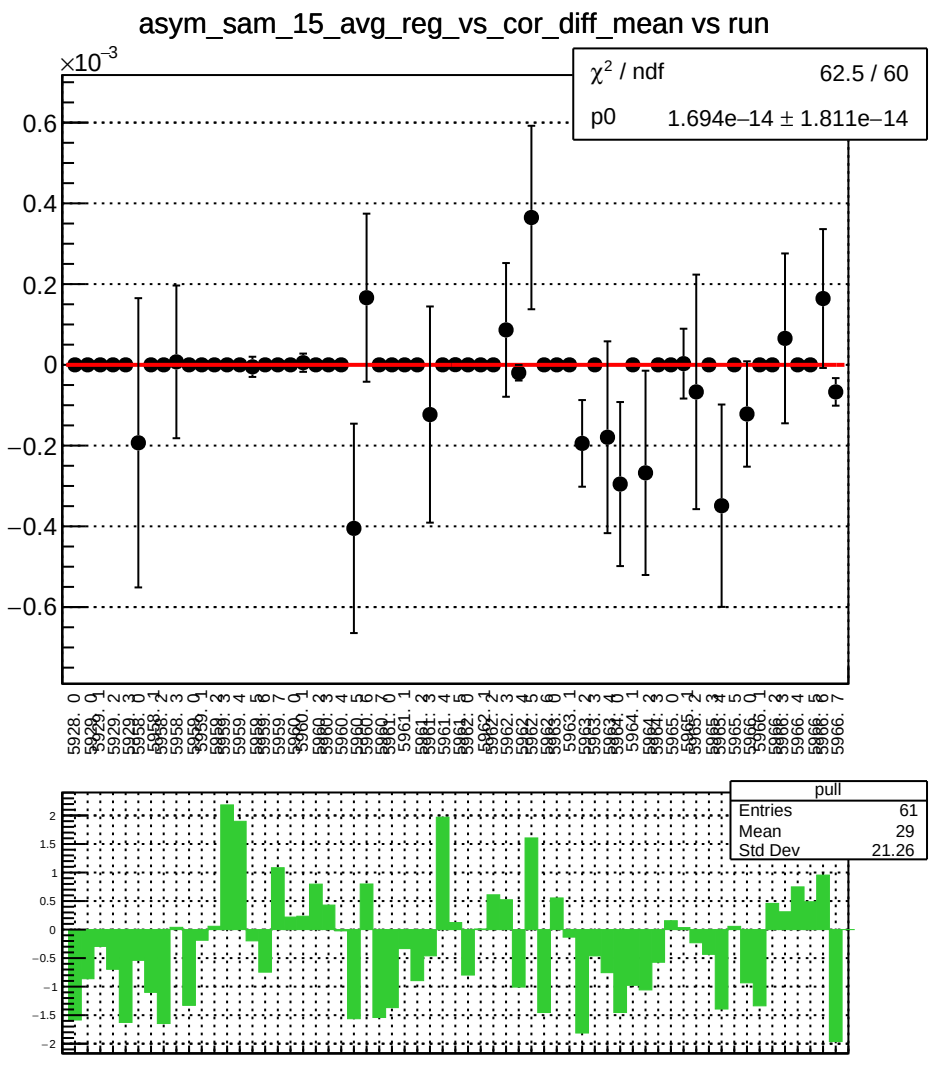

pull1D
Entries 61
Mean 8.911e−05
Std Dev 0.9405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

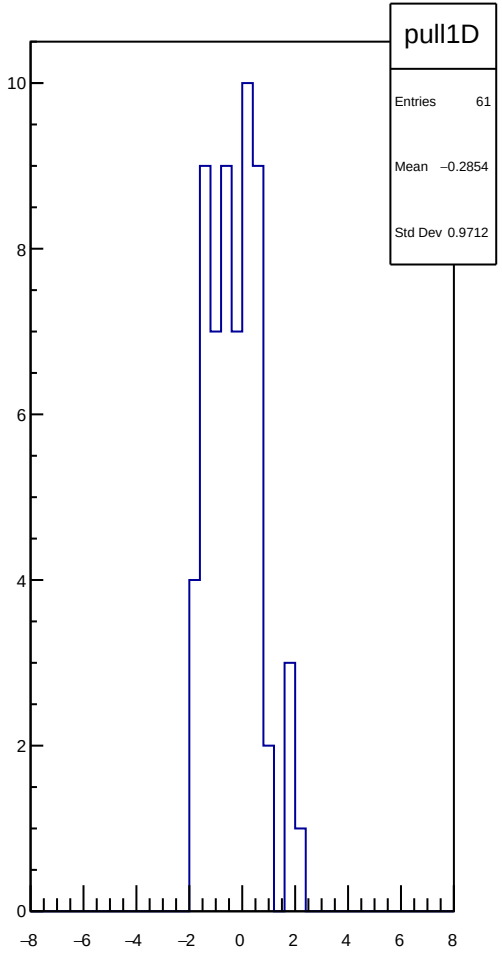

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.645e+04 / 60
p0 398.5 ± 0.369
900
800
700
600
500
400
300

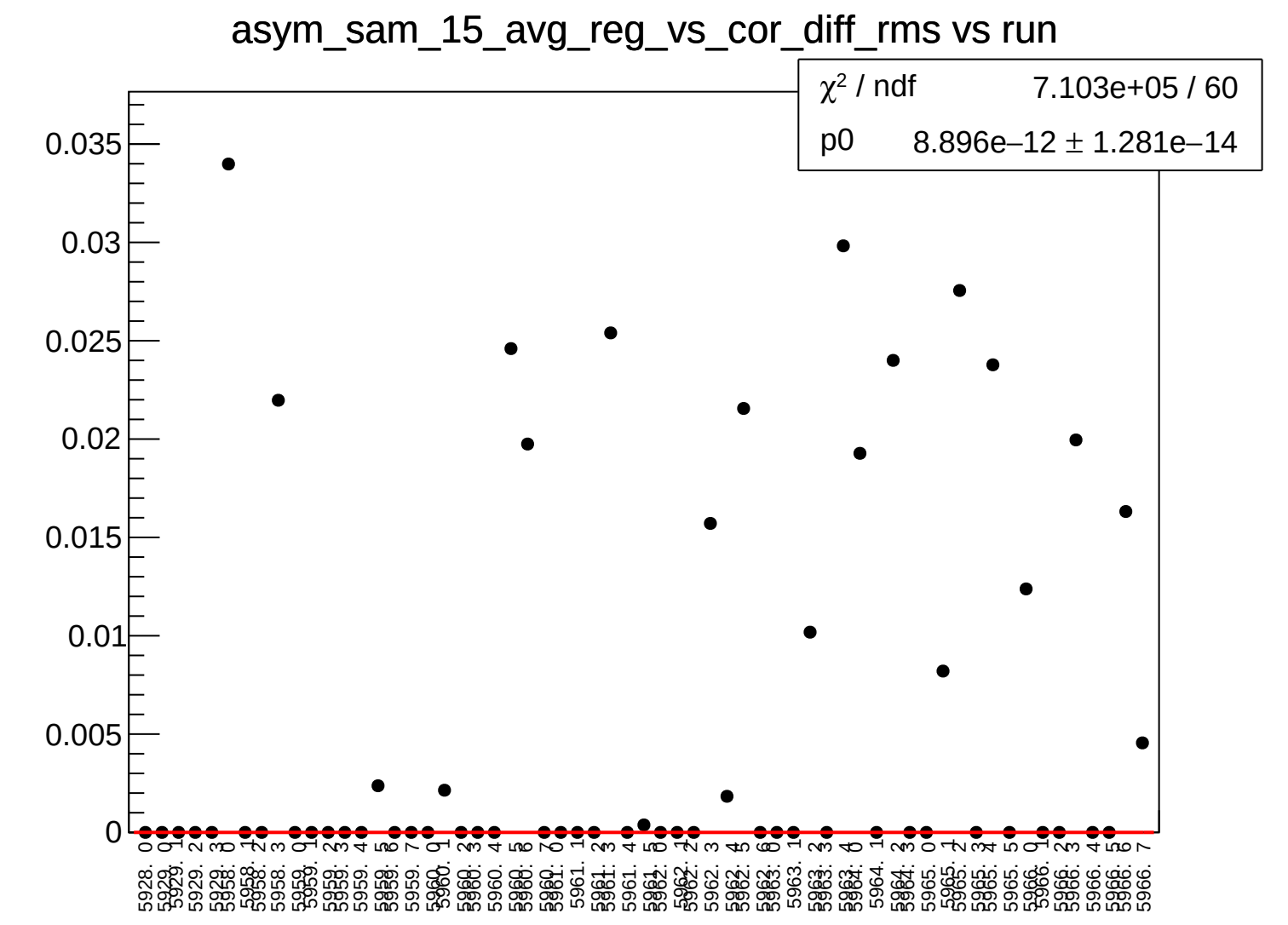

asym_sam_15_avg_mean vs run
χ² / ndf 54.09 / 60
p0 −284.9 ± 516.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 61
Mean 738.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

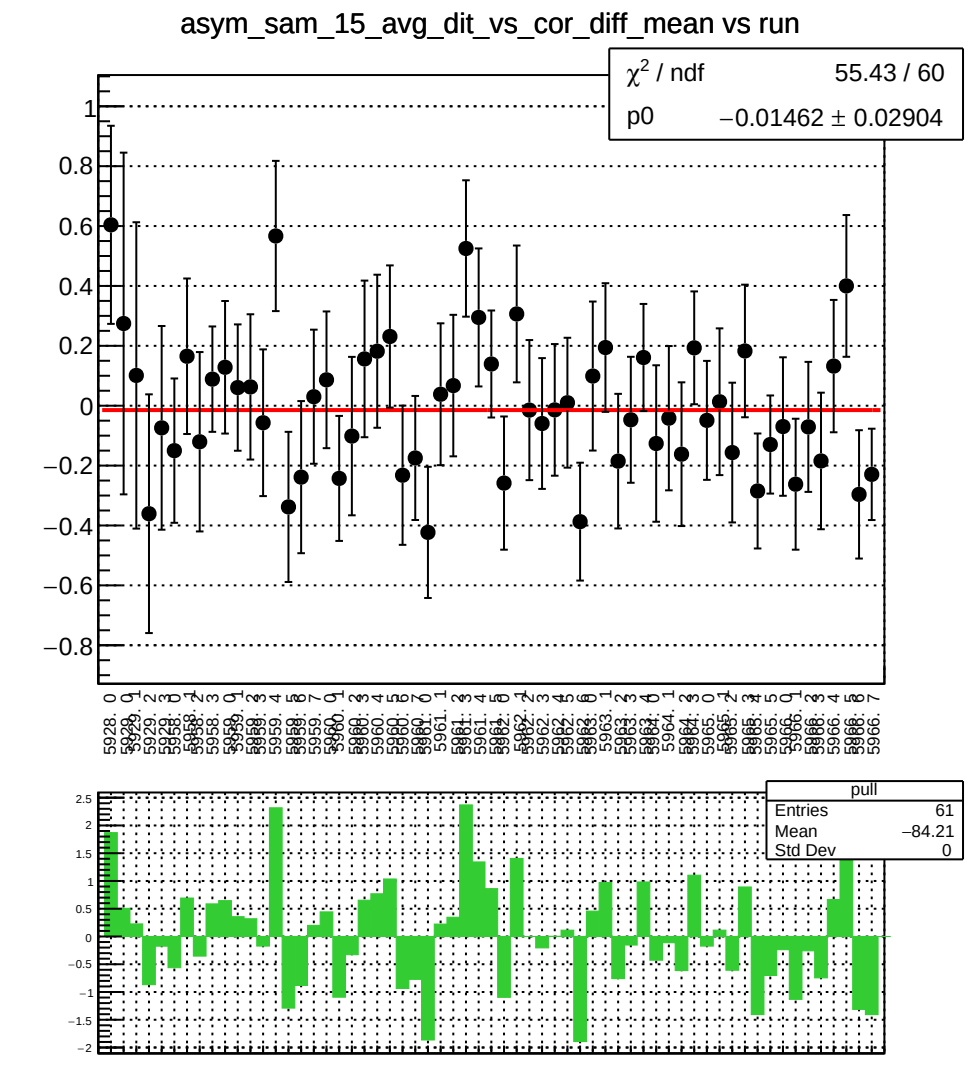

pull1D
Entries 61
Mean 0.00316
Std Dev 0.9417
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

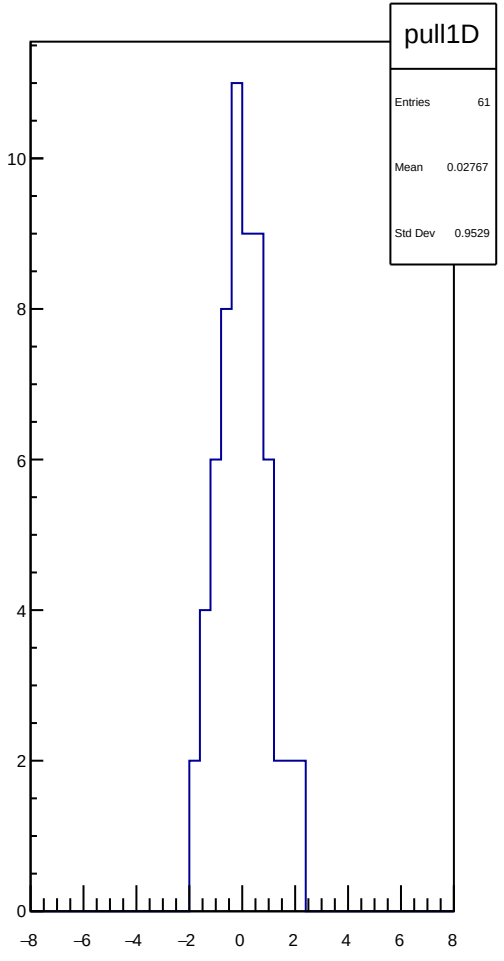

asym_sam_15_avg_rms vs run
χ² / ndf 2.53e+04 / 60
p0 394.4 ± 0.3651
900
800
700
600
500
400
300

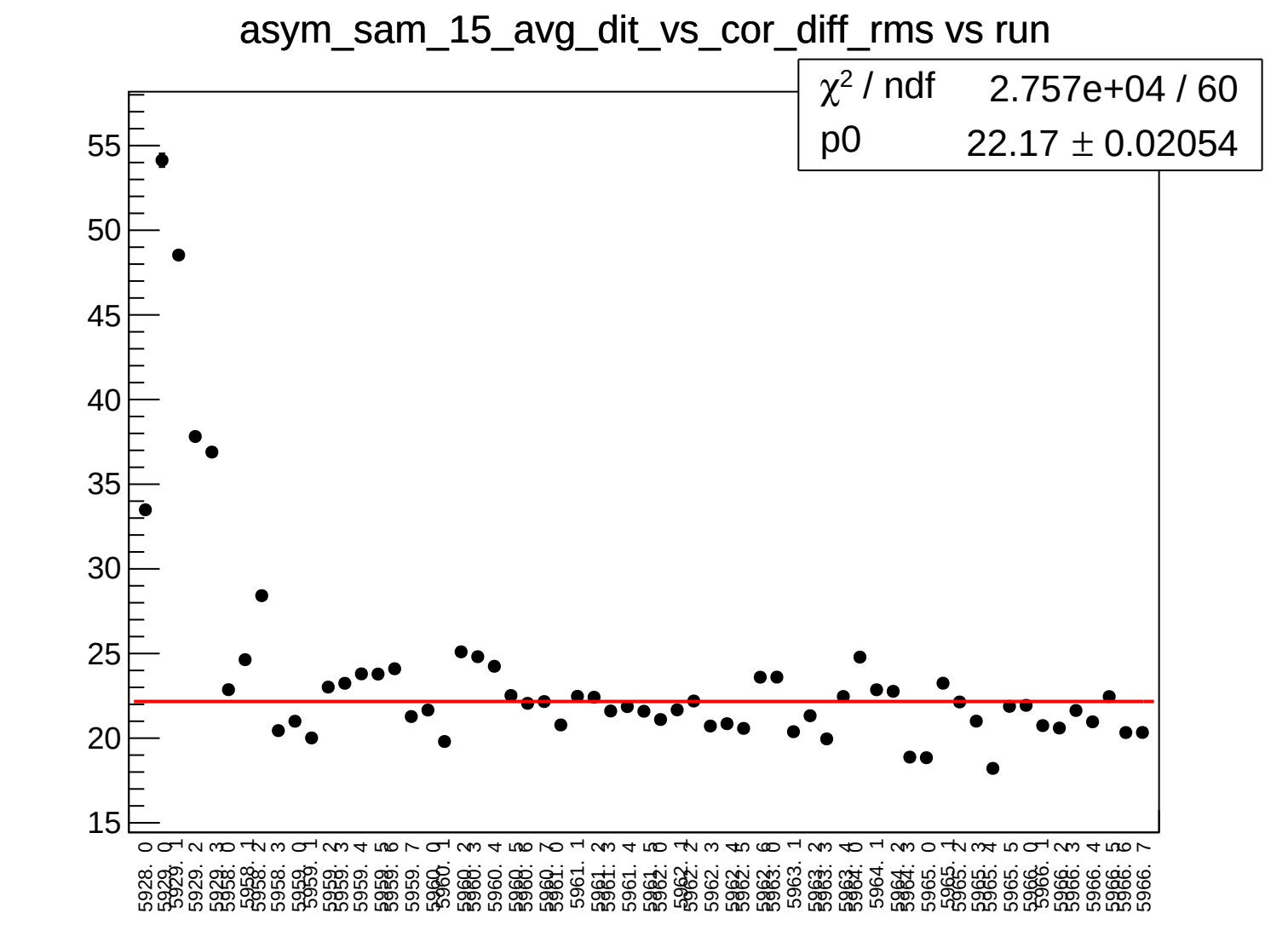

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 62.5 / 60
p0 1.694e−14 ± 1.811e−14
pull
Entries 61
Mean 29
Std Dev 21.26

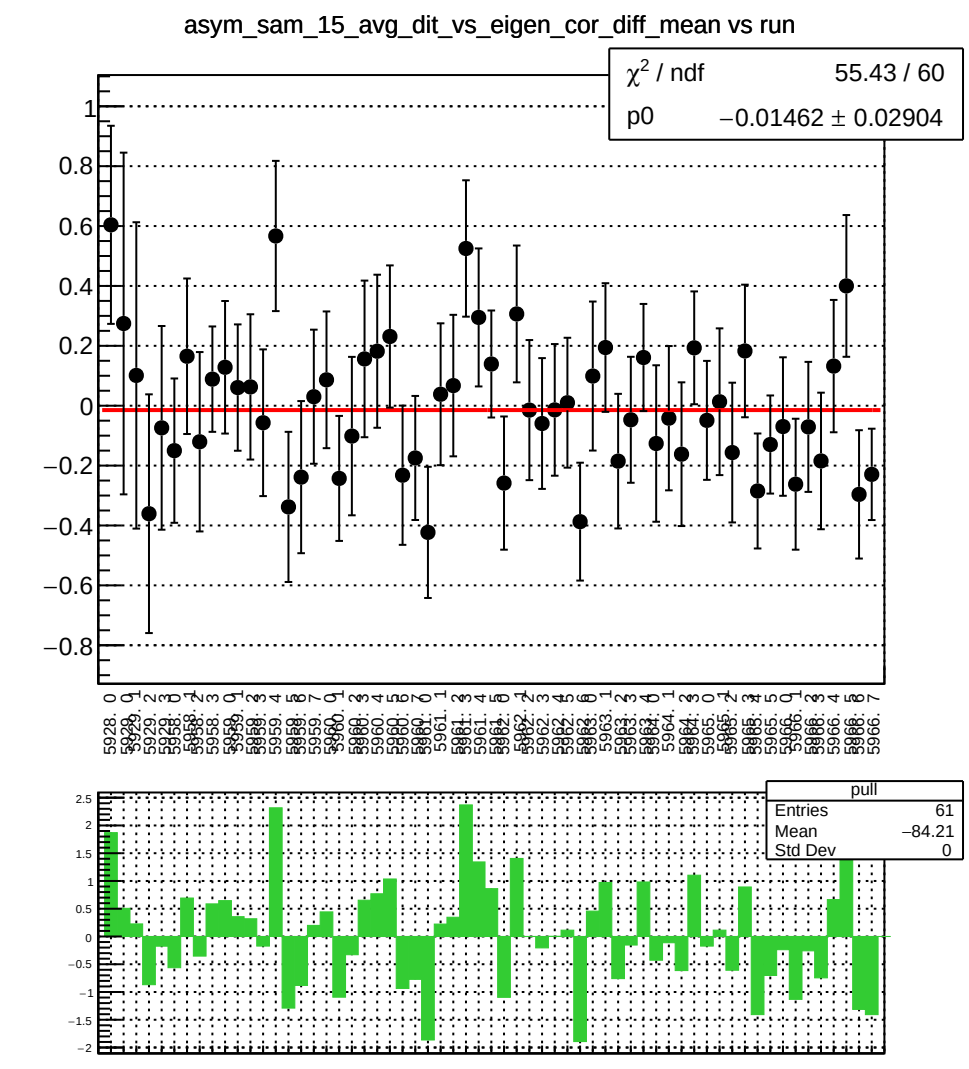

pull1D
Entries 61
Mean −0.2854
Std Dev 0.9712

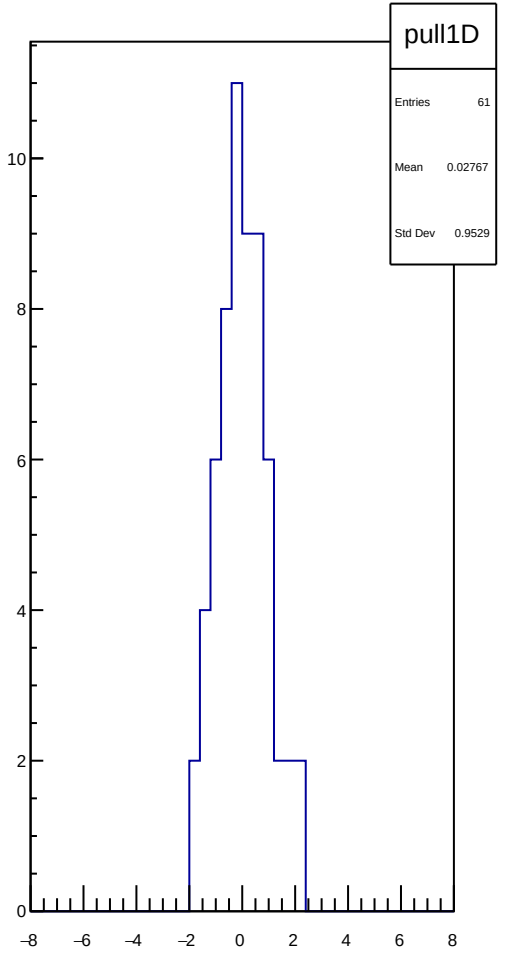

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.103e+05 / 60
p0 8.896e−12 ± 1.281e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

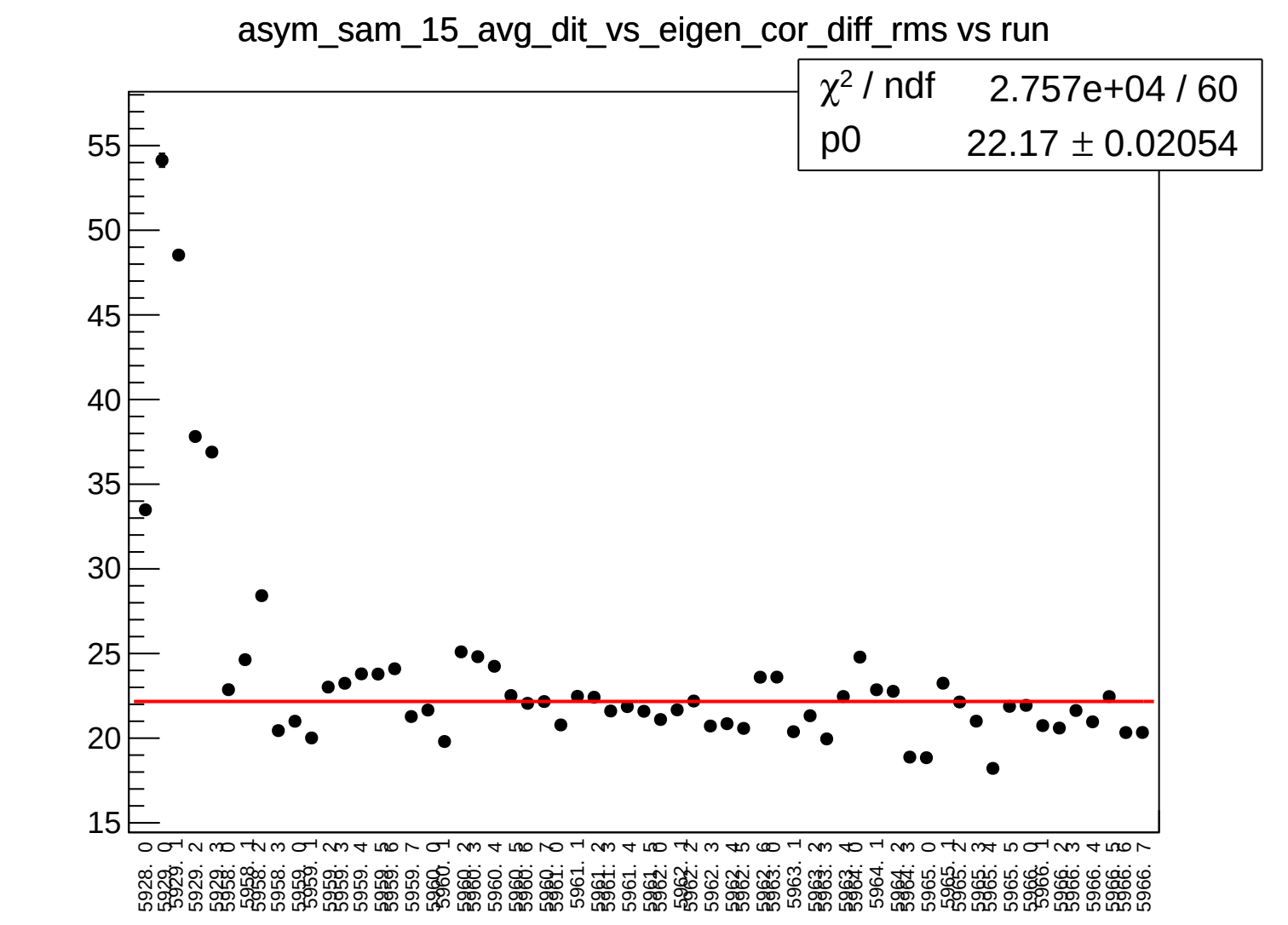

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.43 / 60
p0 −0.01462 ± 0.02904
pull
Entries 61
Mean −84.21
Std Dev 0

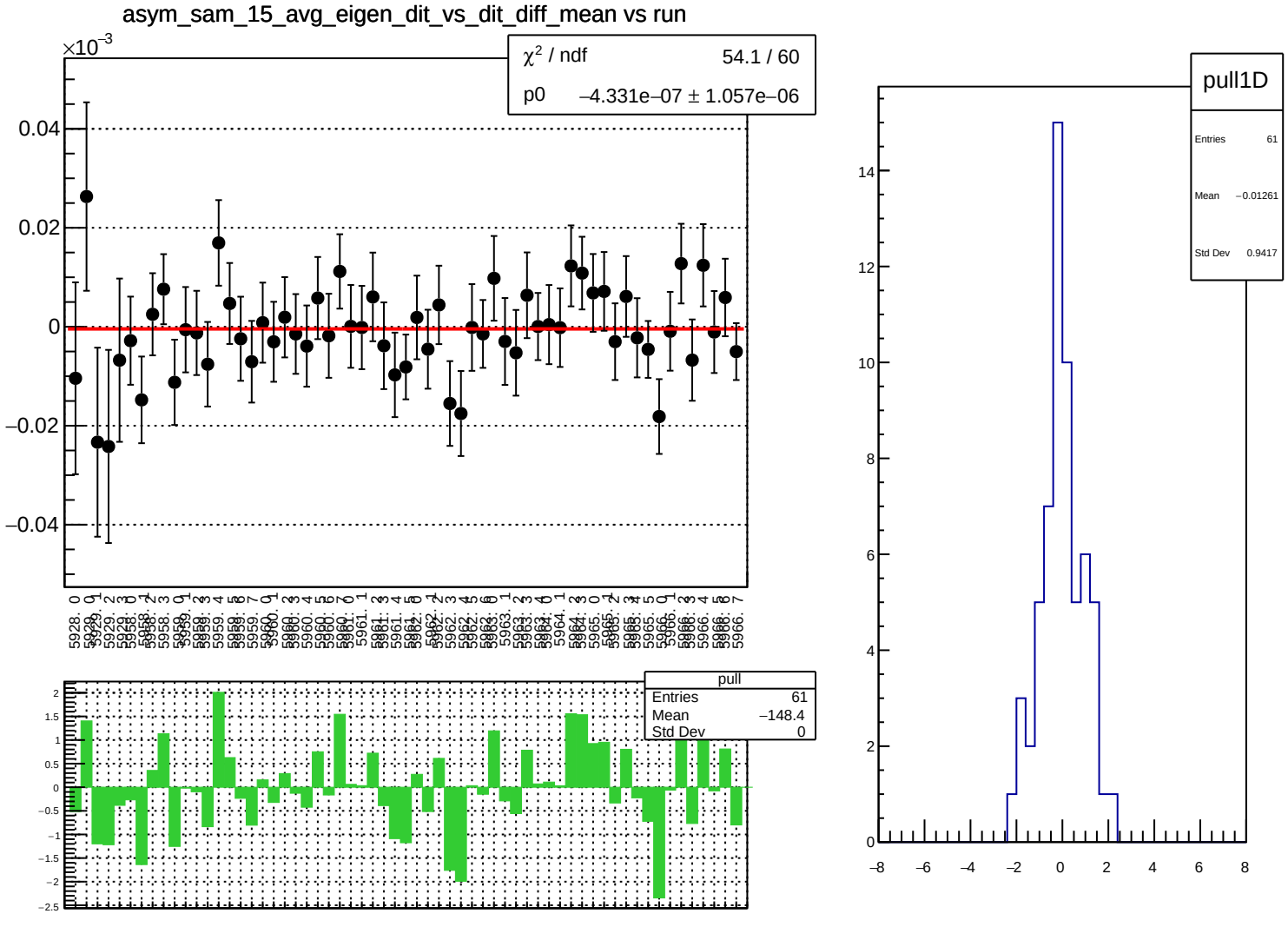

pull1D
Entries 61
Mean 0.02767
Std Dev 0.9529

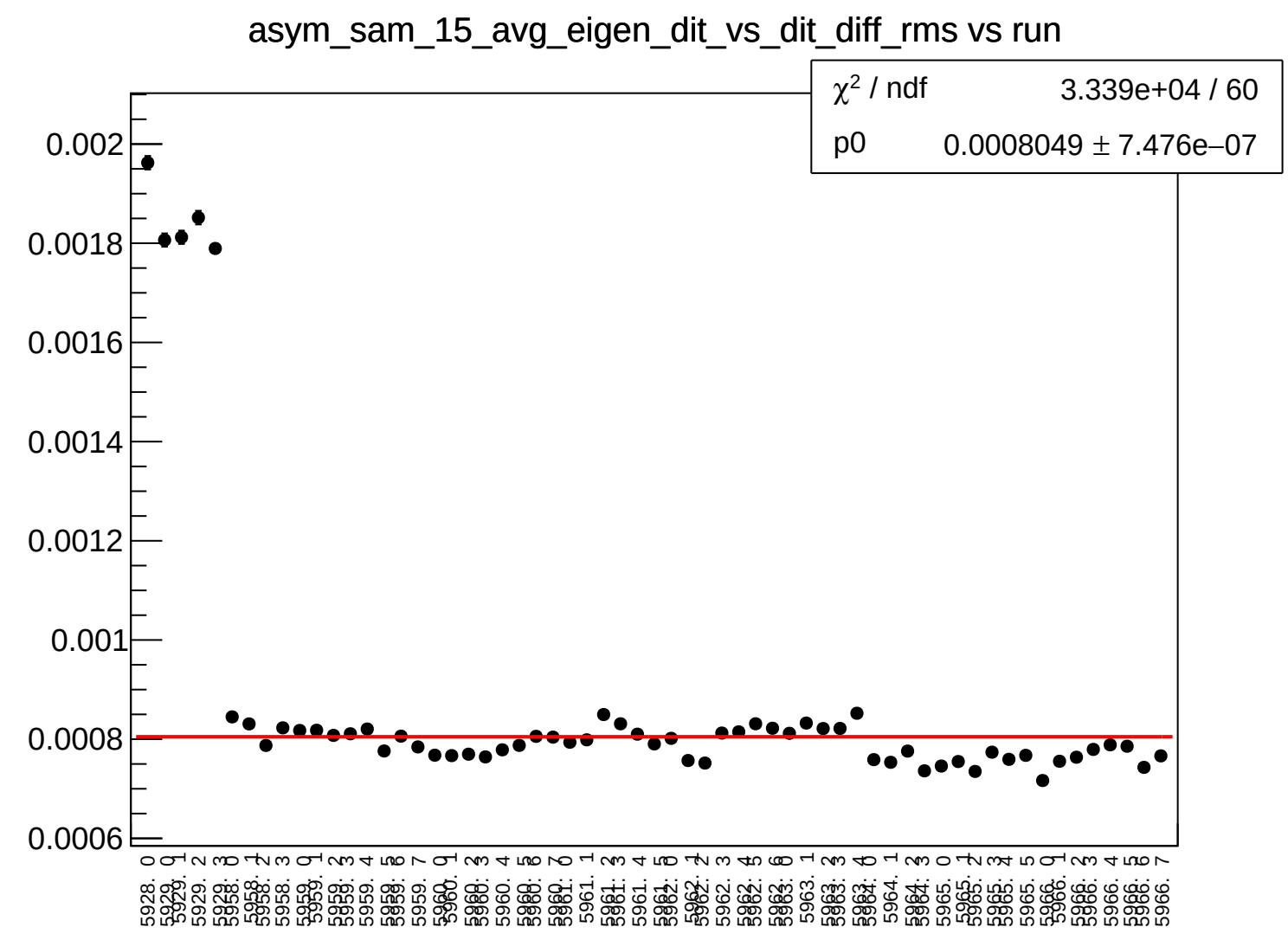

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.757e+04 / 60
p0 22.17 ± 0.02054
55
50
45
40
35
30
25
20
15

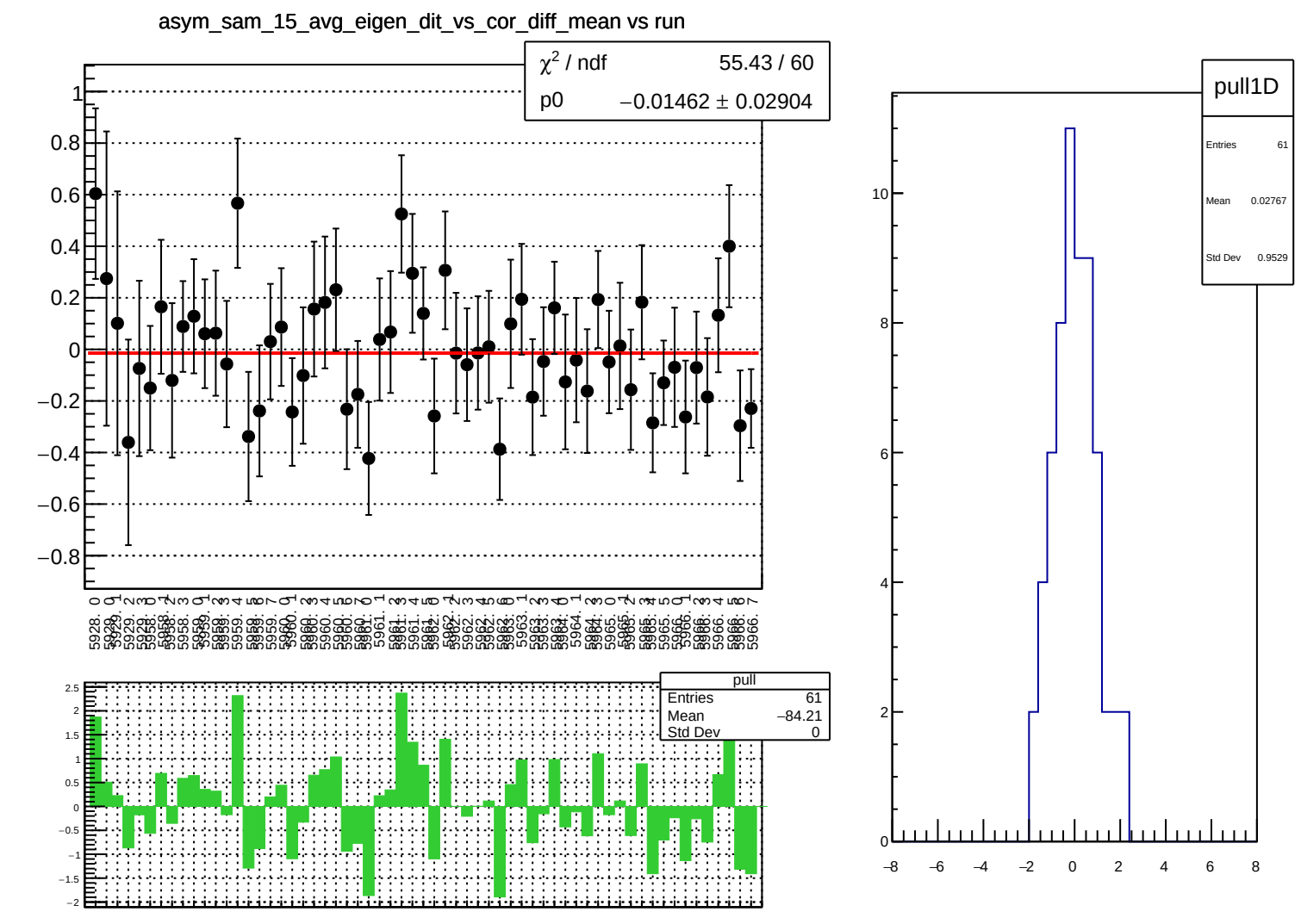

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.43 / 60
p0 −0.01462 ± 0.02904
pull
Entries 61
Mean −84.21
Std Dev 0

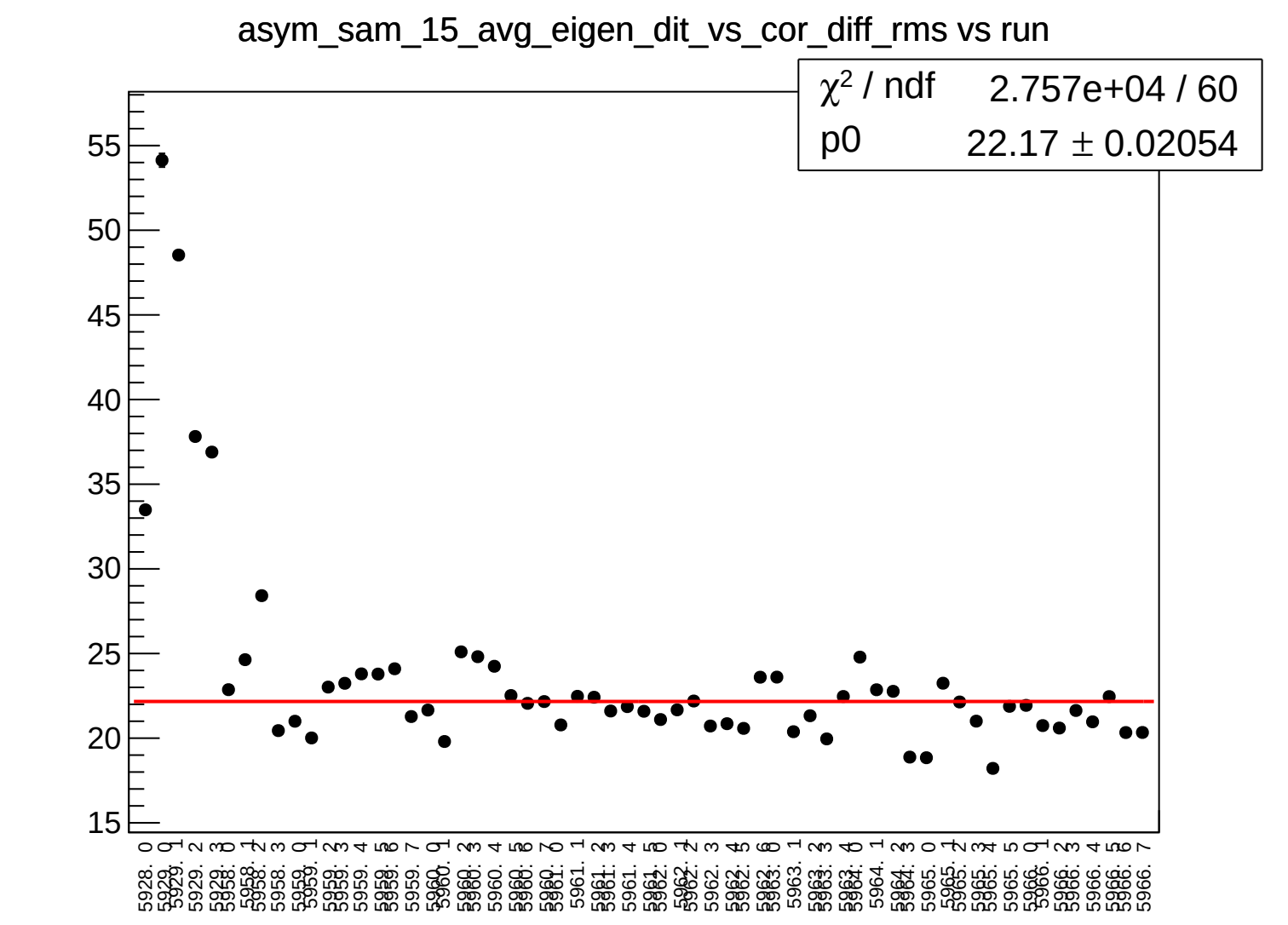

pull1D
Entries 61
Mean 0.02767
Std Dev 0.9529

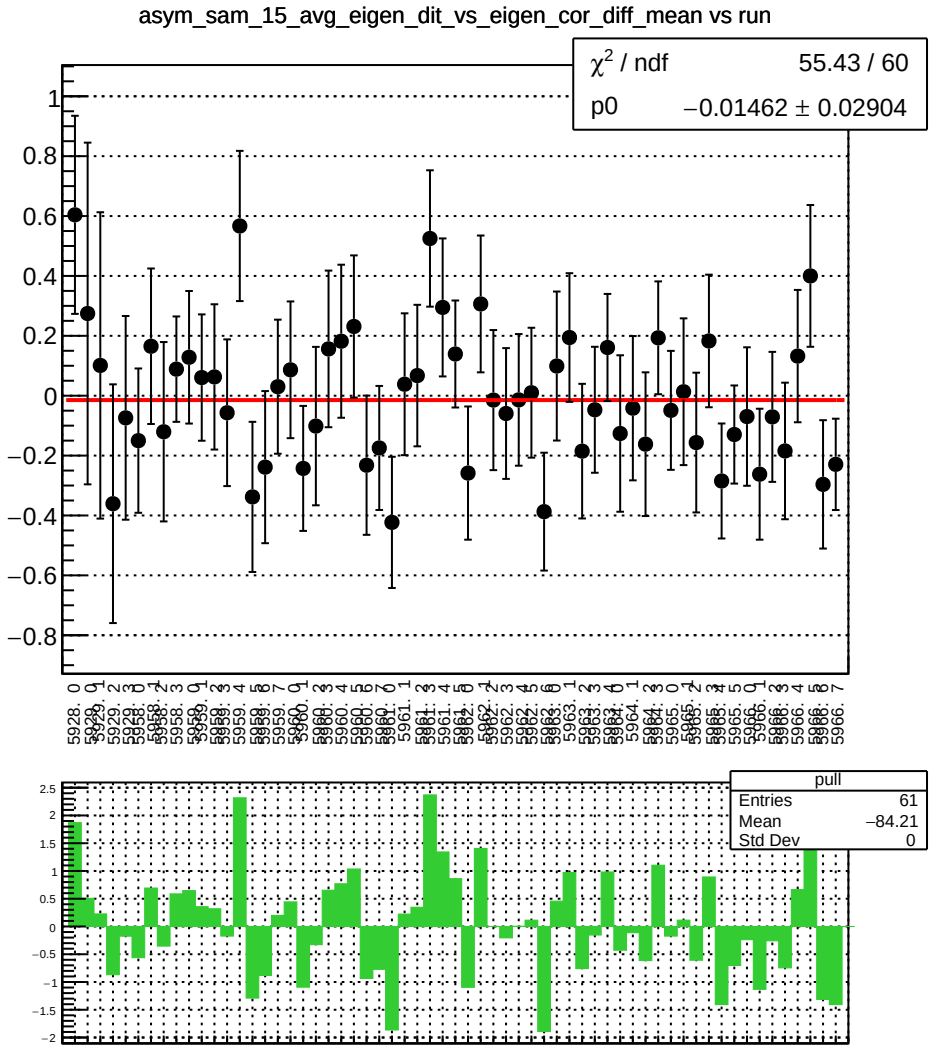

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.757e+04 / 60
p0 22.17 ± 0.02054
55
50
45
40
35
30
25
20
15

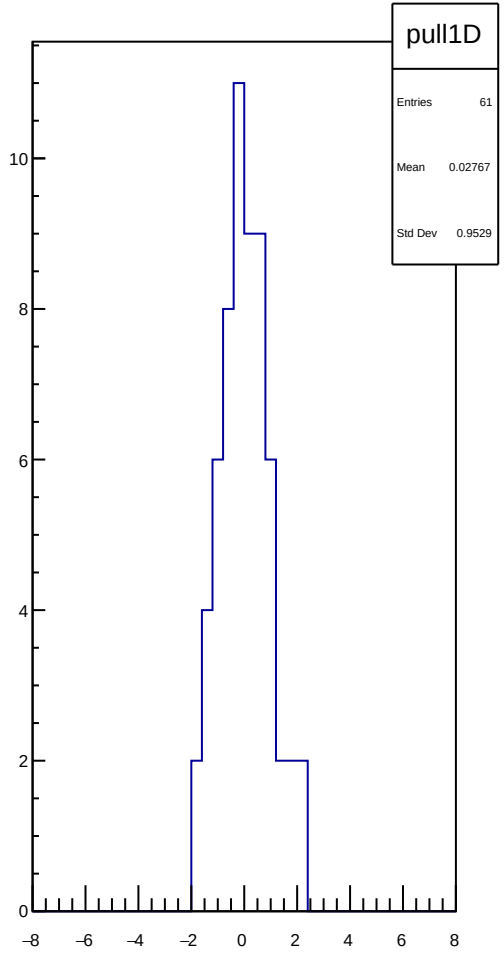

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.1 / 60
p0 −4.331e−07 ± 1.057e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 61
Mean −148.4
Std Dev 0
pull1D
Entries 61
Mean −0.01261
Std Dev 0.9417

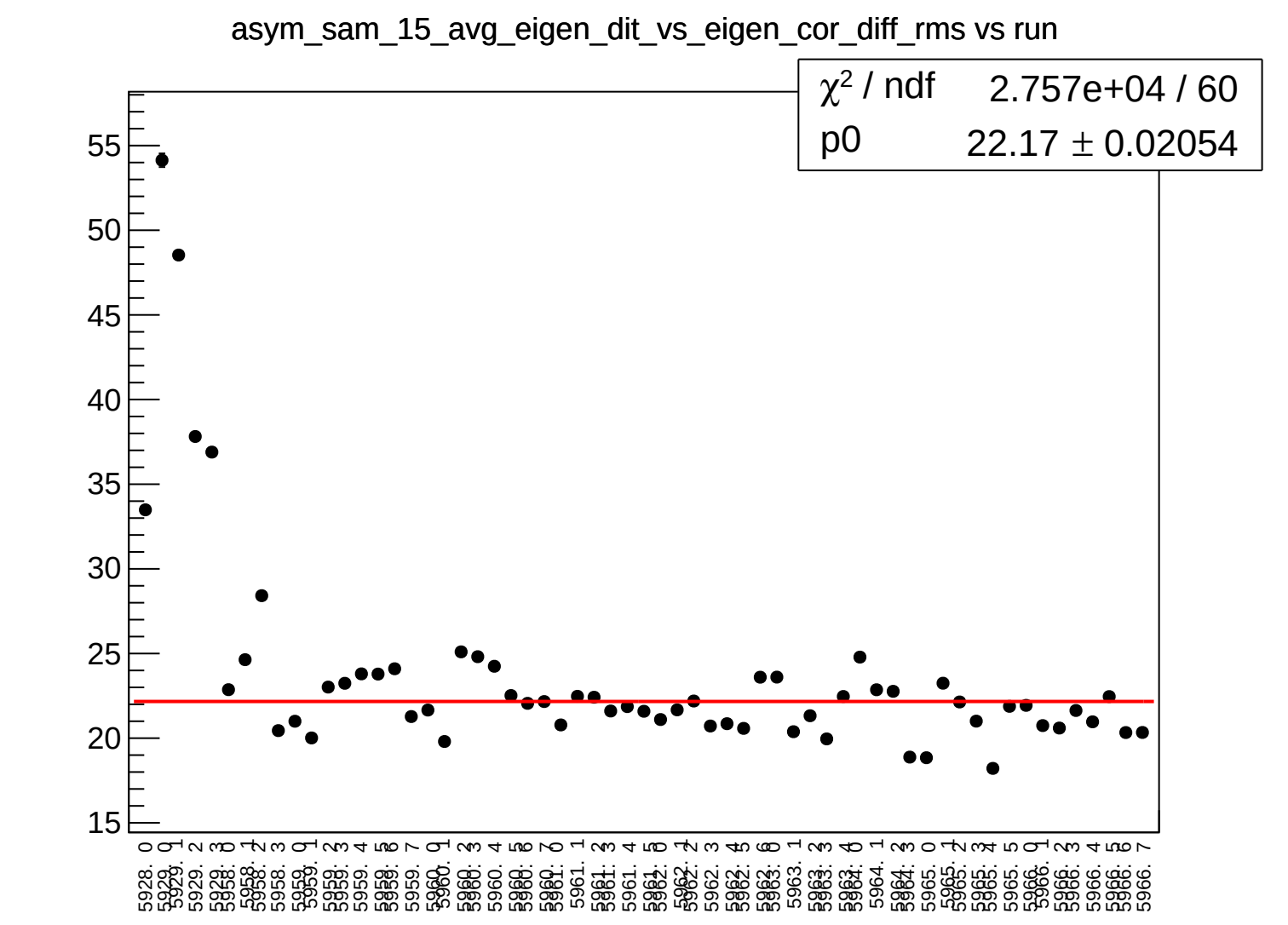

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.339e+04 / 60
p0 0.0008049 ± 7.476e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

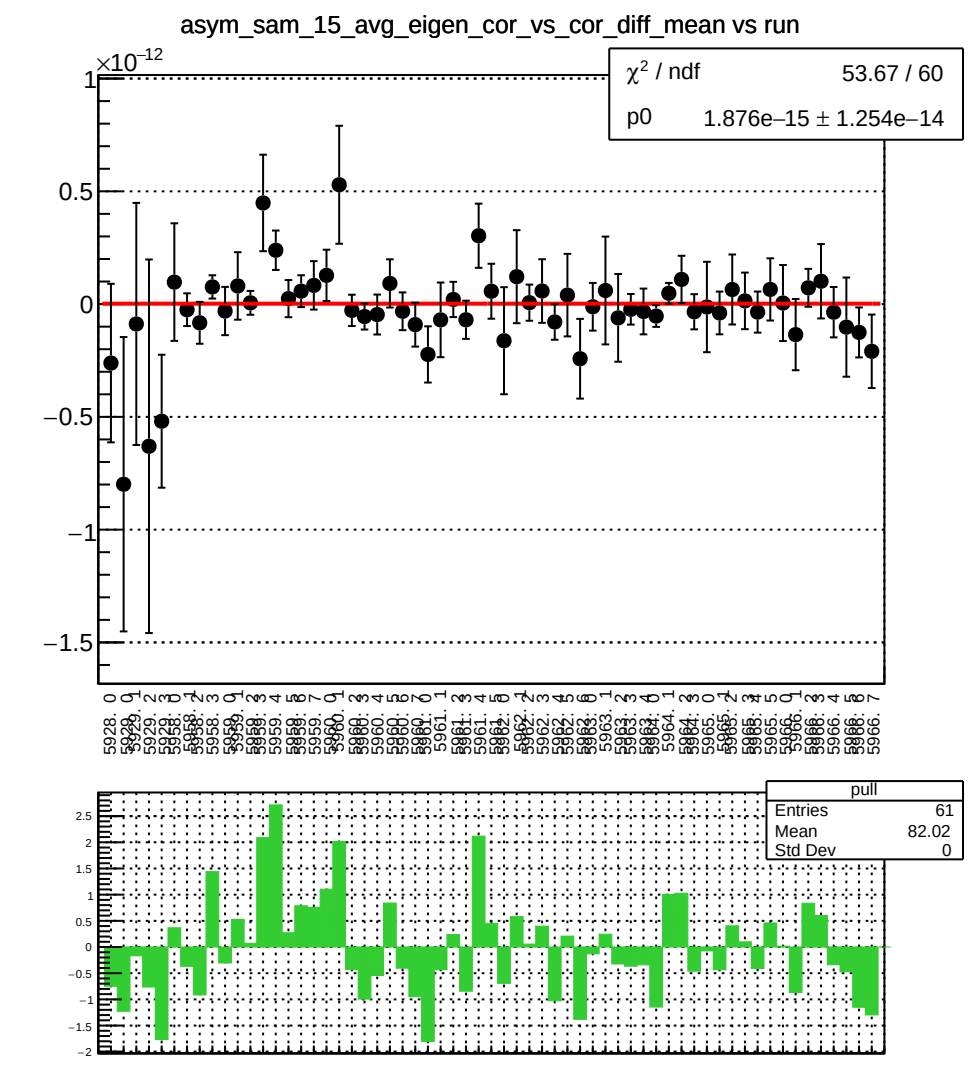

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.43 / 60
p0 −0.01462 ± 0.02904
pull
Entries 61
Mean −84.21
Std Dev 0
pull1D
Entries 61
Mean 0.02767
Std Dev 0.9529

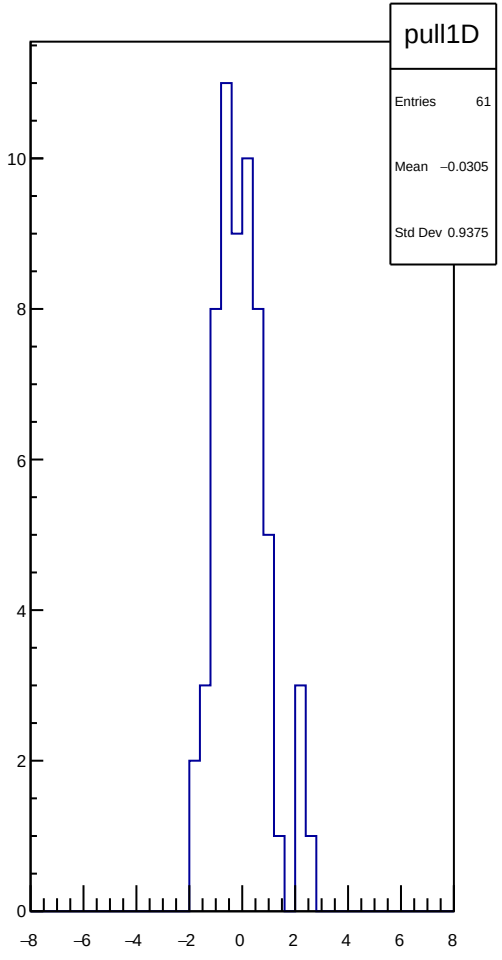

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.757e+04 / 60
p0 22.17 ± 0.02054
55
50
45
40
35
30
25
20
15

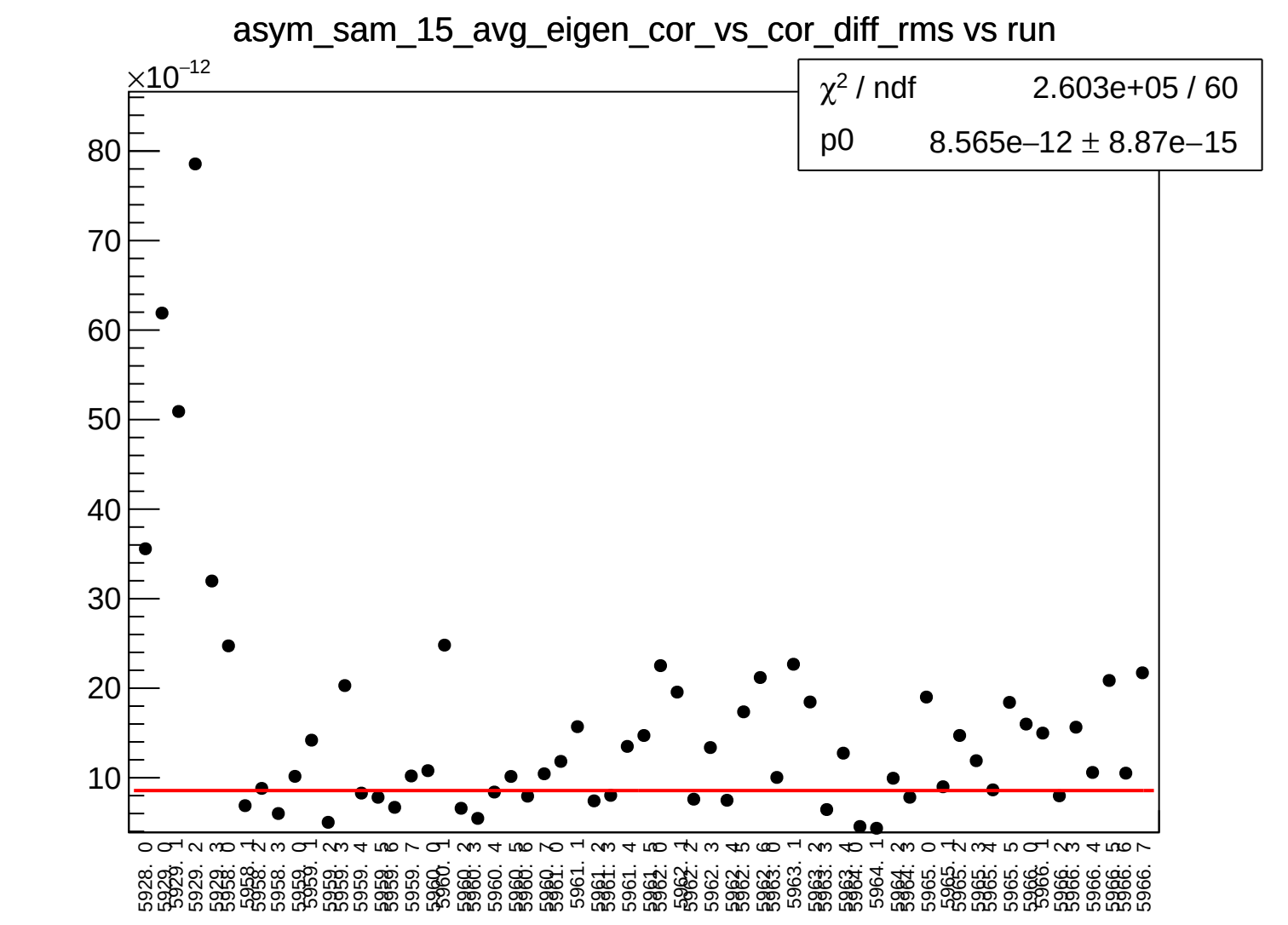

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.43 / 60
p0 −0.01462 ± 0.02904
pull
Entries 61
Mean −84.21
Std Dev 0

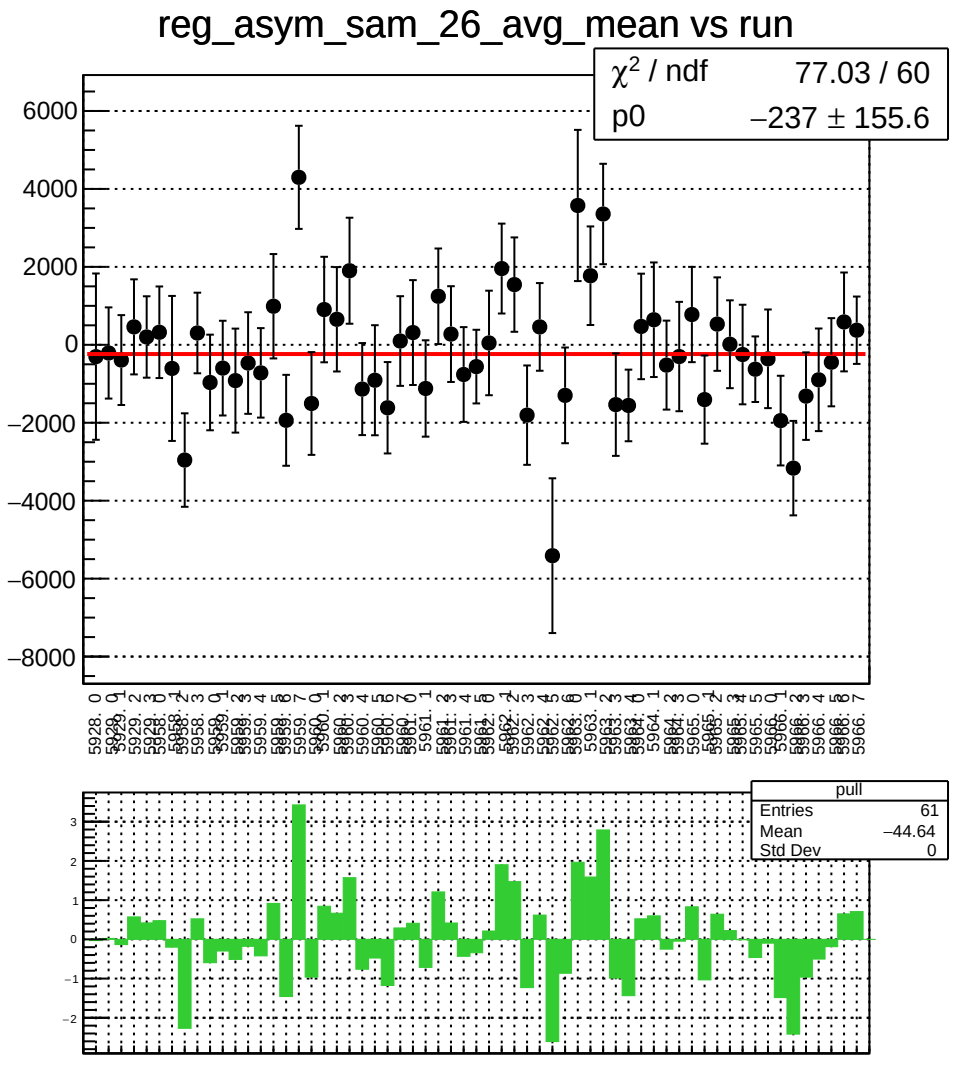

pull1D
Entries 61
Mean 0.02767
Std Dev 0.9529

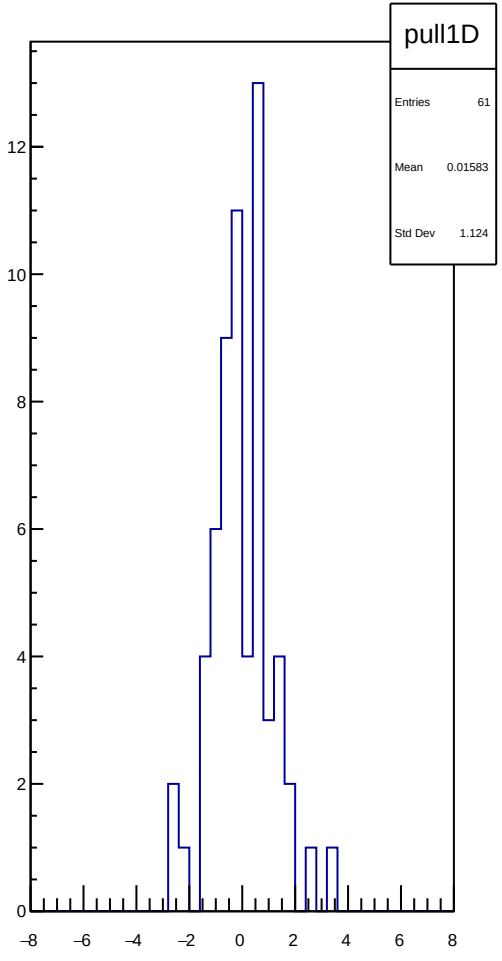

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.757e+04 / 60
p0 22.17 ± 0.02054
55
50
45
40
35
30
25
20
15

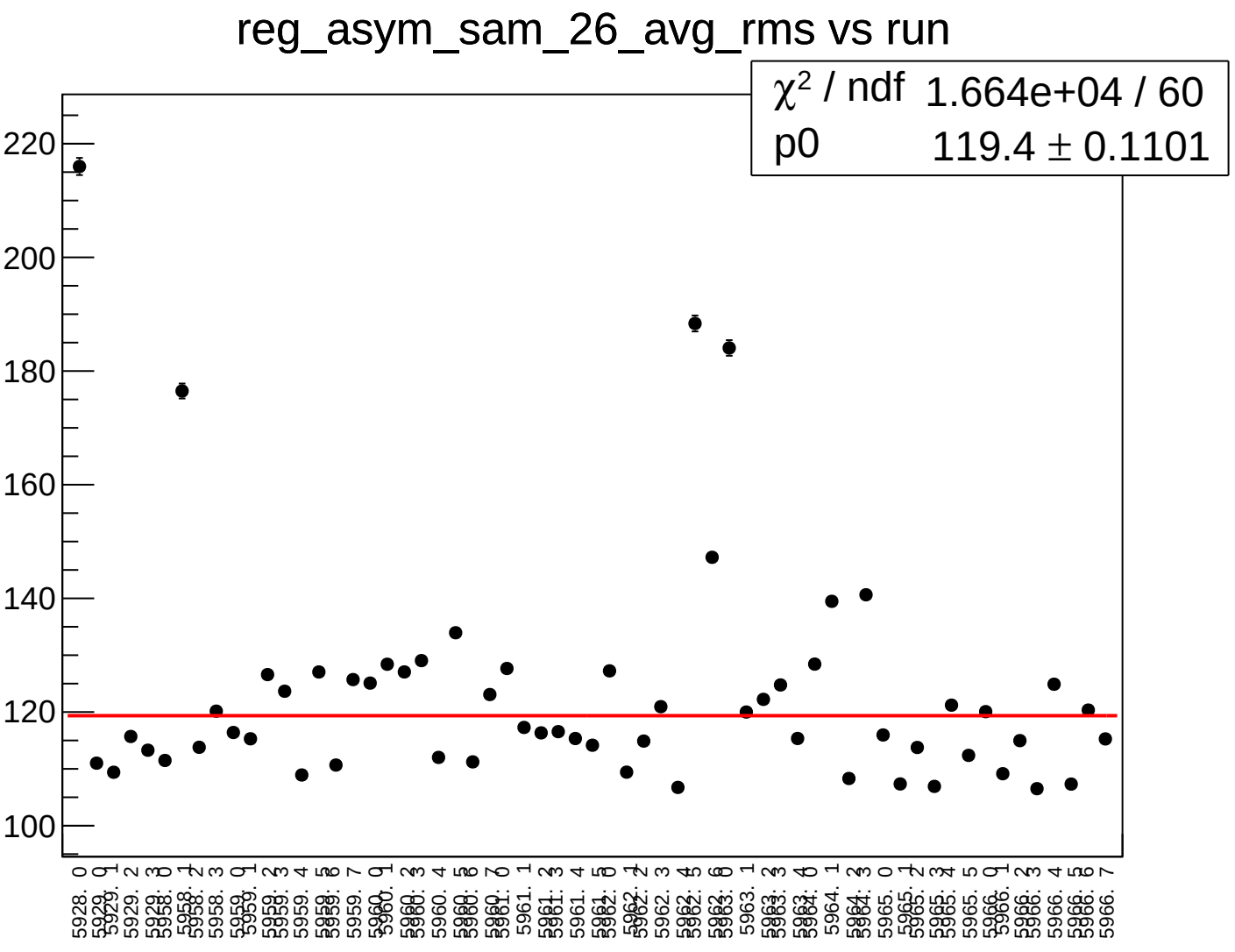

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.67 / 60
p0 1.876e−15 ± 1.254e−14
pull
Entries 61
Mean 82.02
Std Dev 0

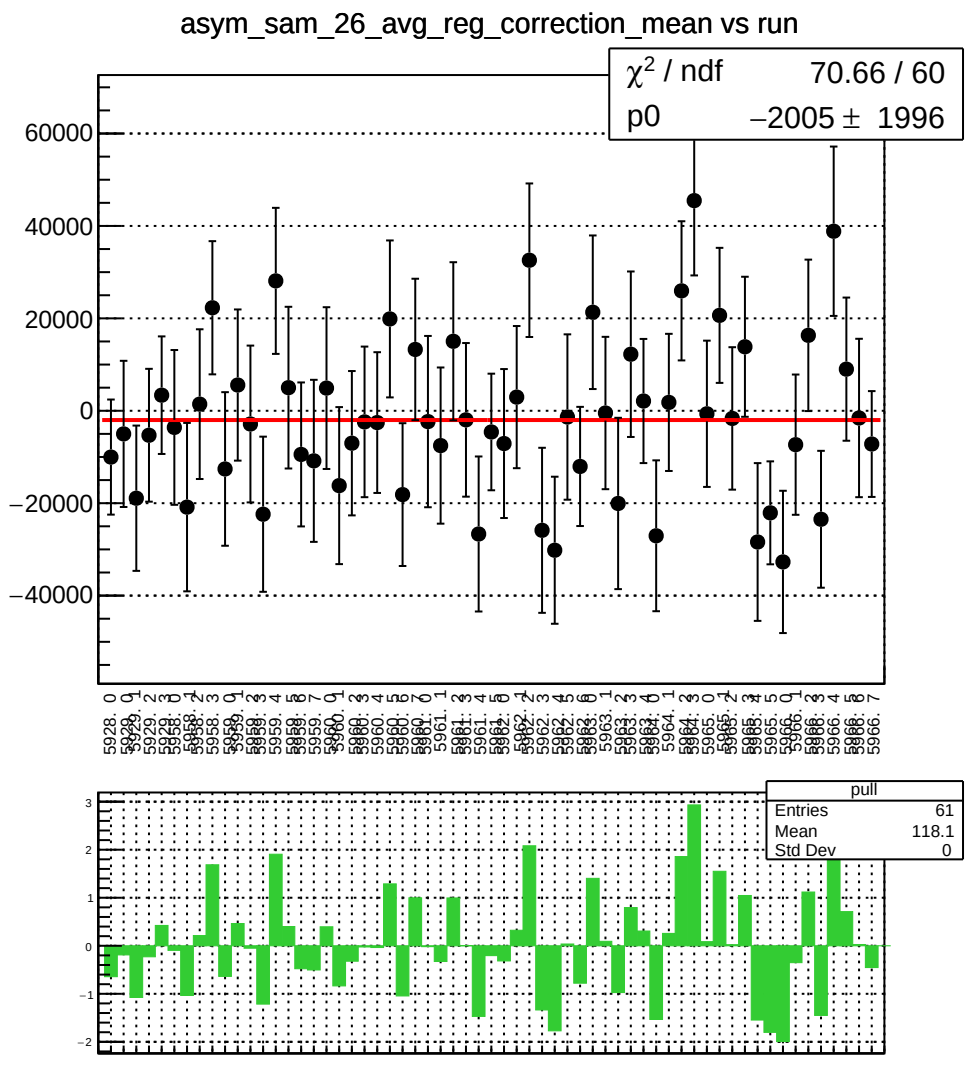

pull1D
Entries 61
Mean −0.0305
Std Dev 0.9375

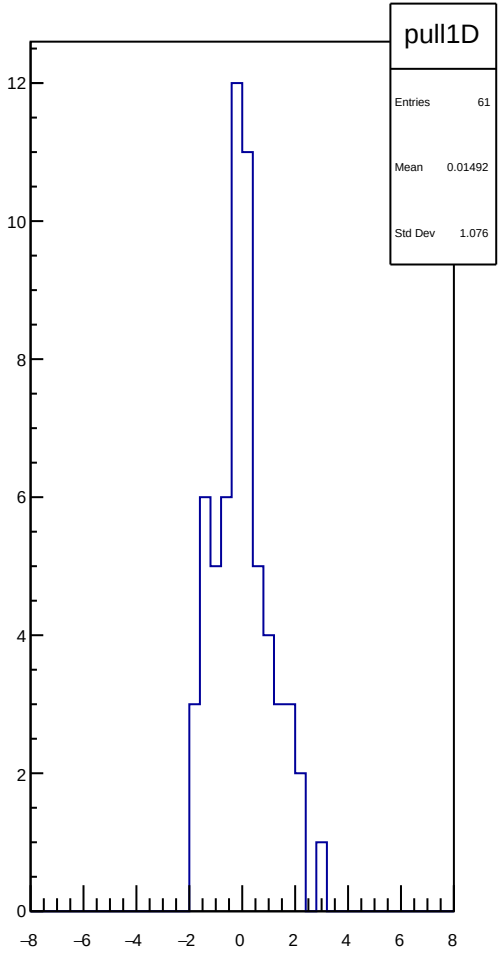

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.603e+05 / 60
p0 8.565e−12 ± 8.87e−15
80
70
60
50
40
30
20
10

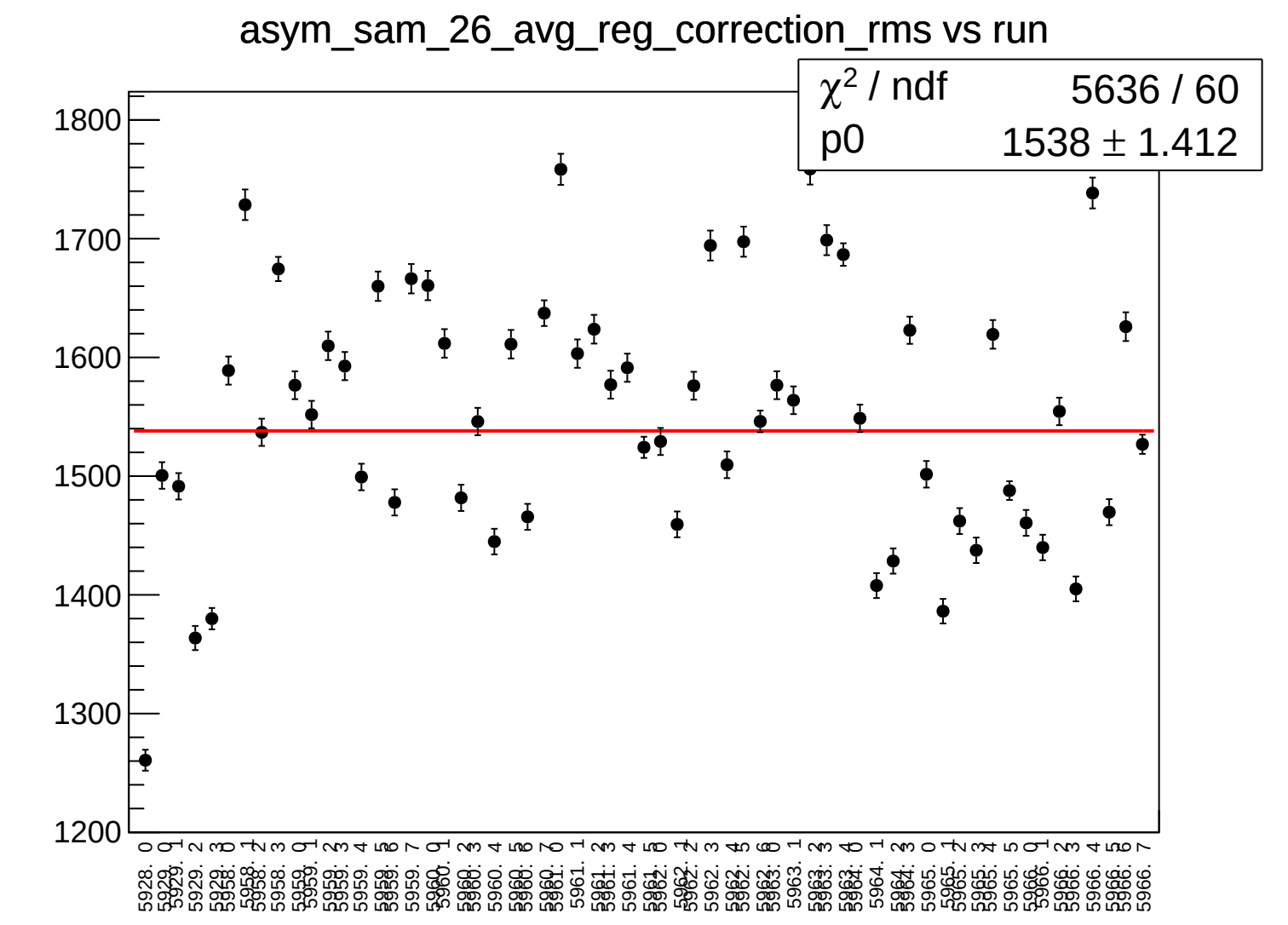

reg_asym_sam_26_avg_mean vs run
χ² / ndf 77.03 / 60
p0 −237 ± 155.6
pull
Entries 61
Mean −44.64
Std Dev 0

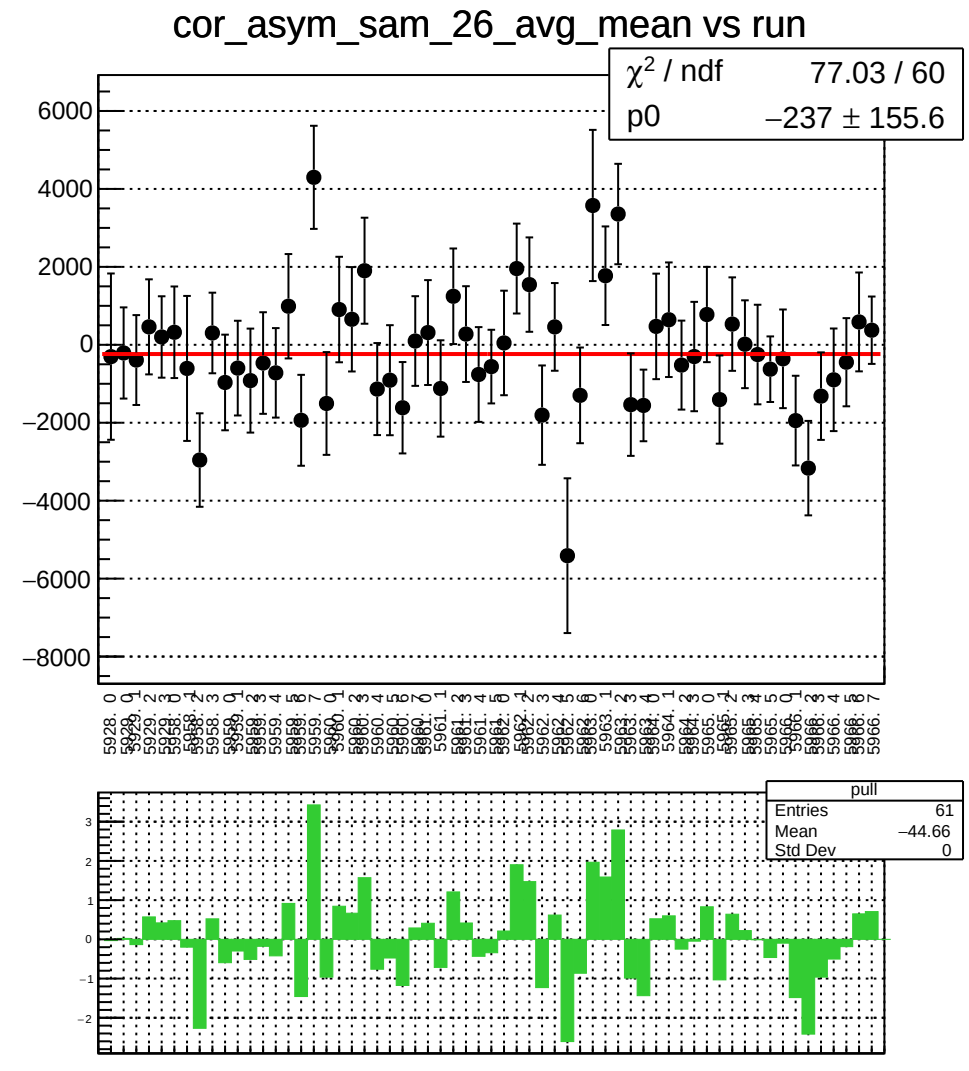

pull1D
Entries 61
Mean 0.01583
Std Dev 1.124

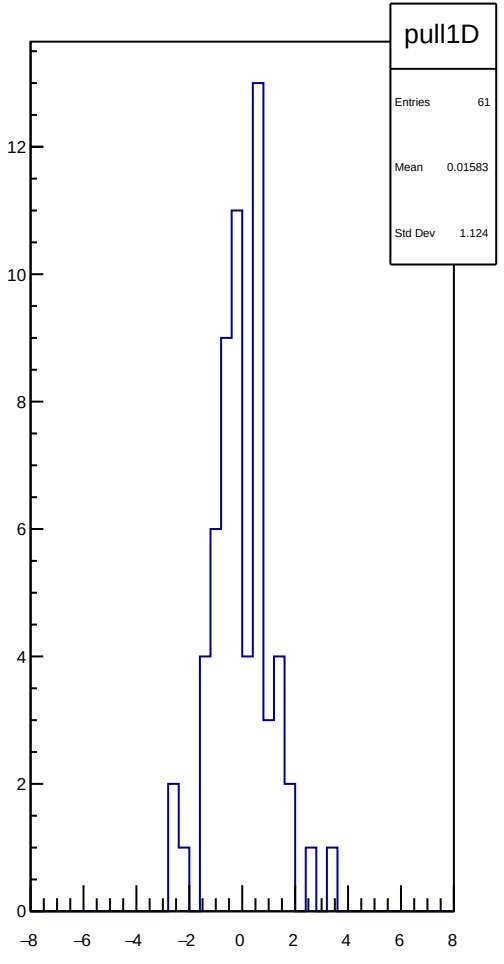

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.664e+04 / 60
p0 119.4 ± 0.1101
220
200
180
160
140
120
100

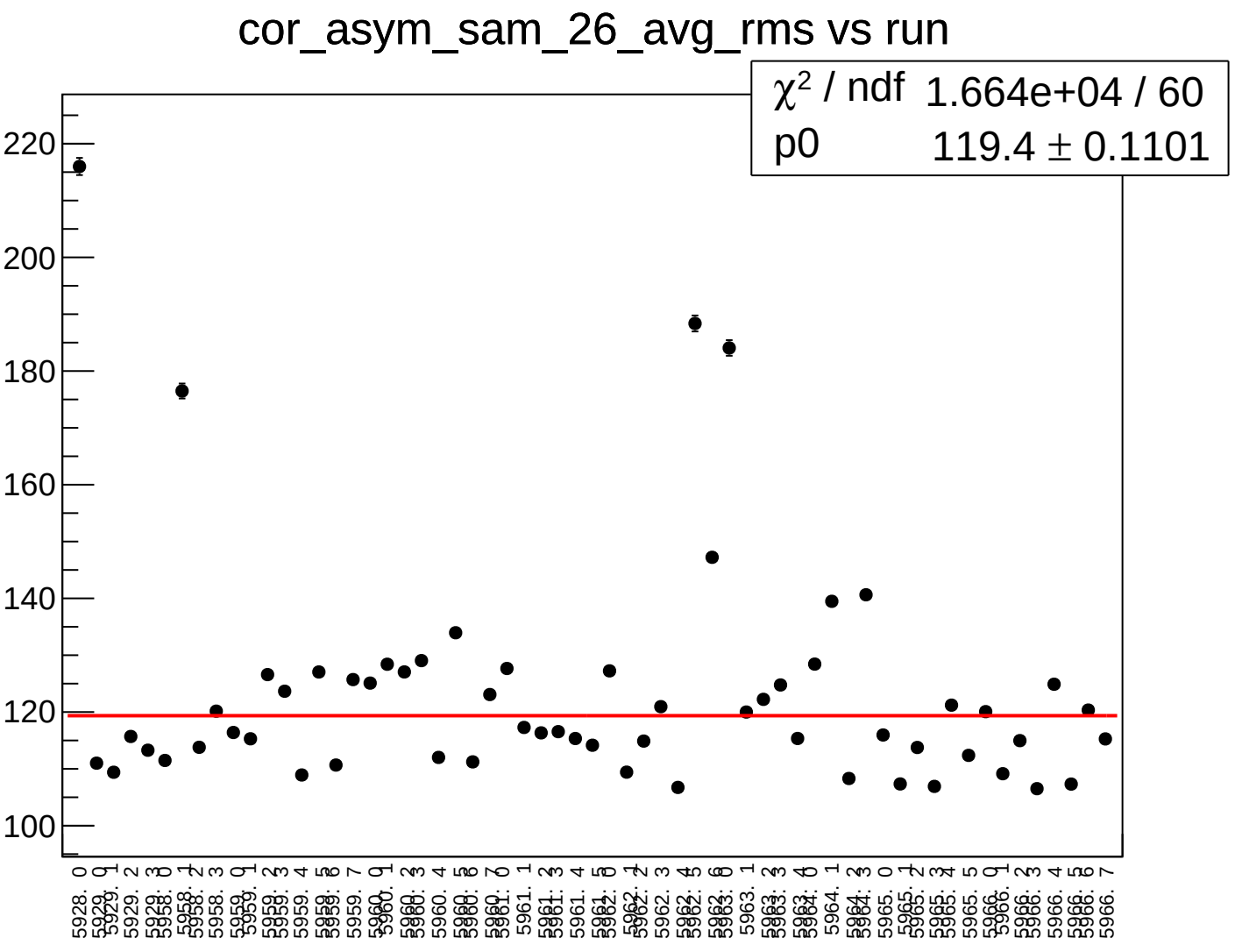

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 70.66 / 60
p0 −2005 ± 1996
pull
Entries 61
Mean 118.1
Std Dev 0

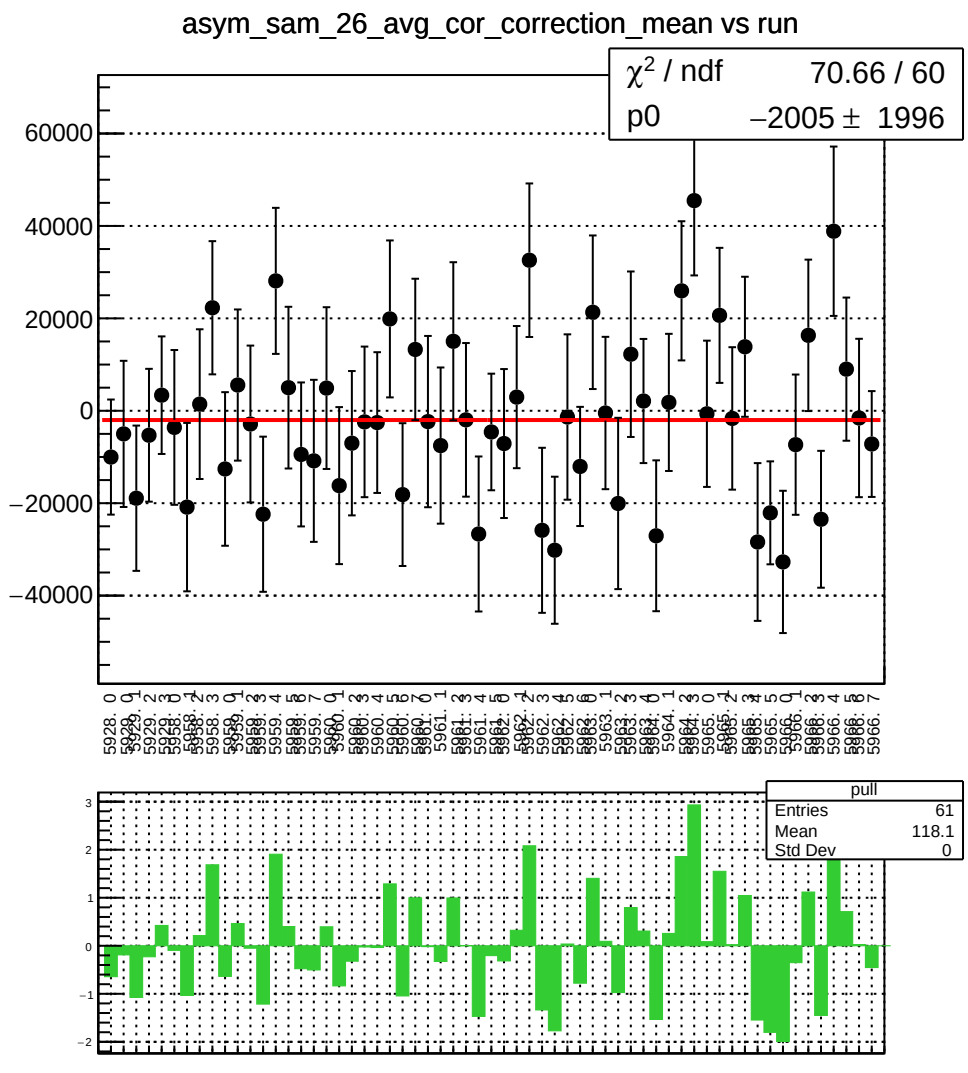

pull1D
Entries 61
Mean 0.01492
Std Dev 1.076

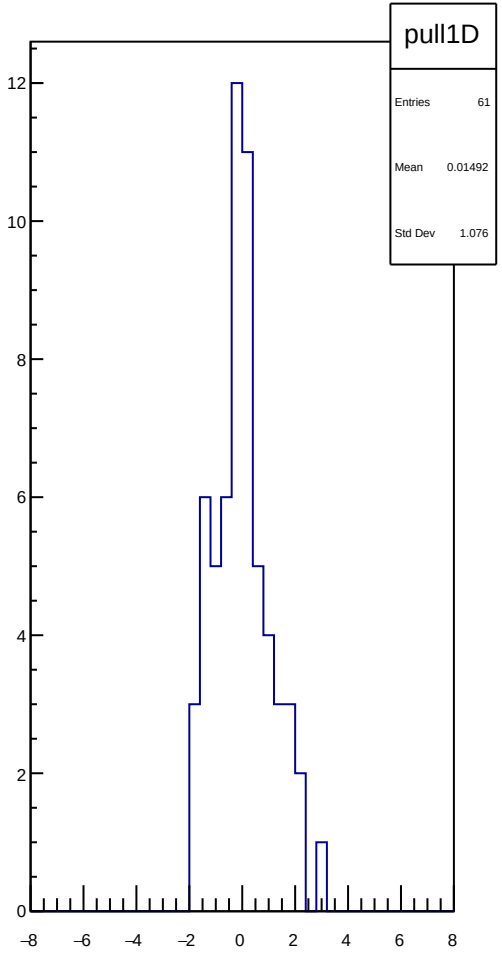

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 5636 / 60
p0 1538 ± 1.412
1800
1700
1600
1500
1400
1300
1200

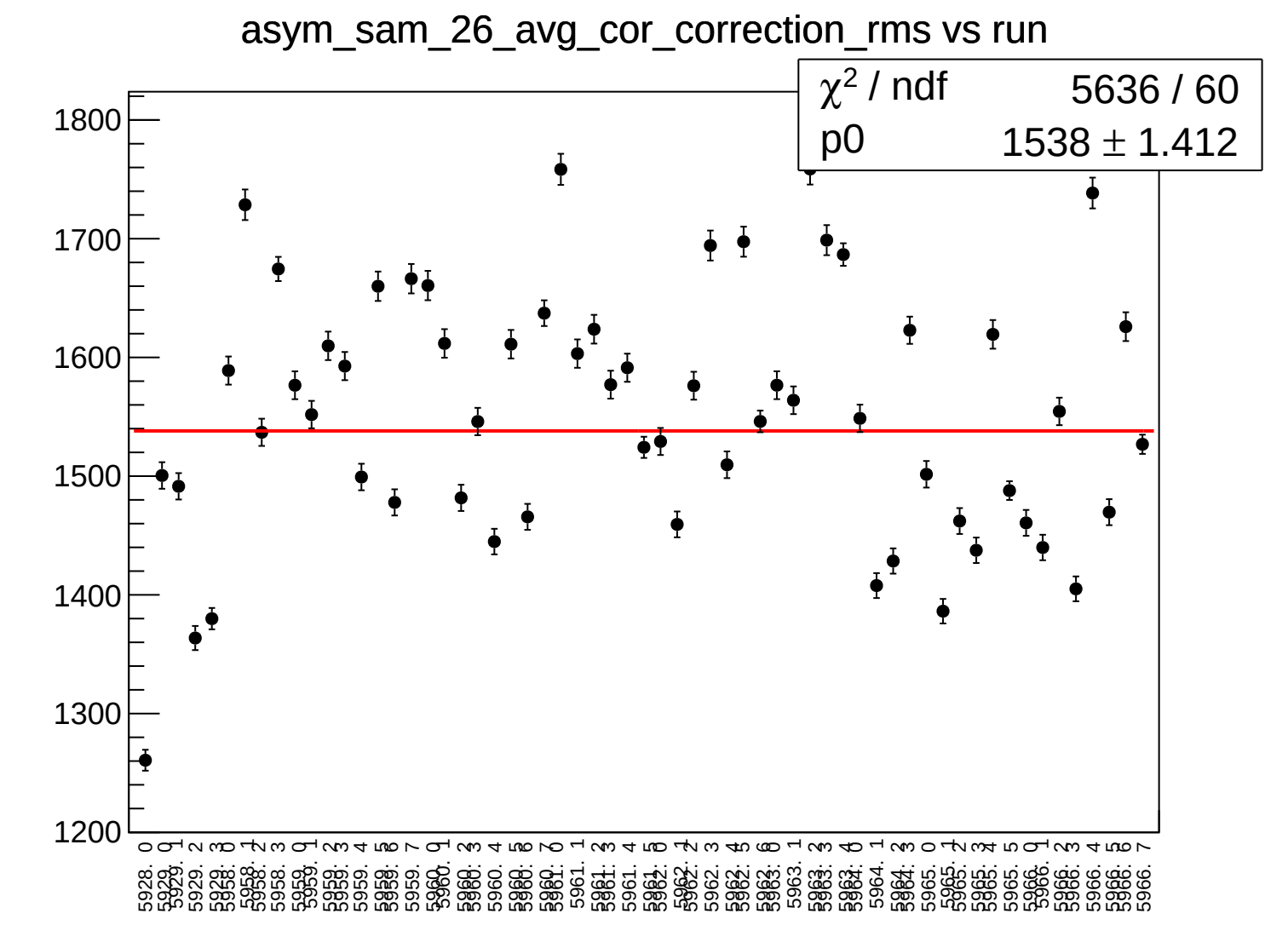

cor_asym_sam_26_avg_mean vs run
χ² / ndf 77.03 / 60
p0 −237 ± 155.6
pull
Entries 61
Mean −44.66
Std Dev 0

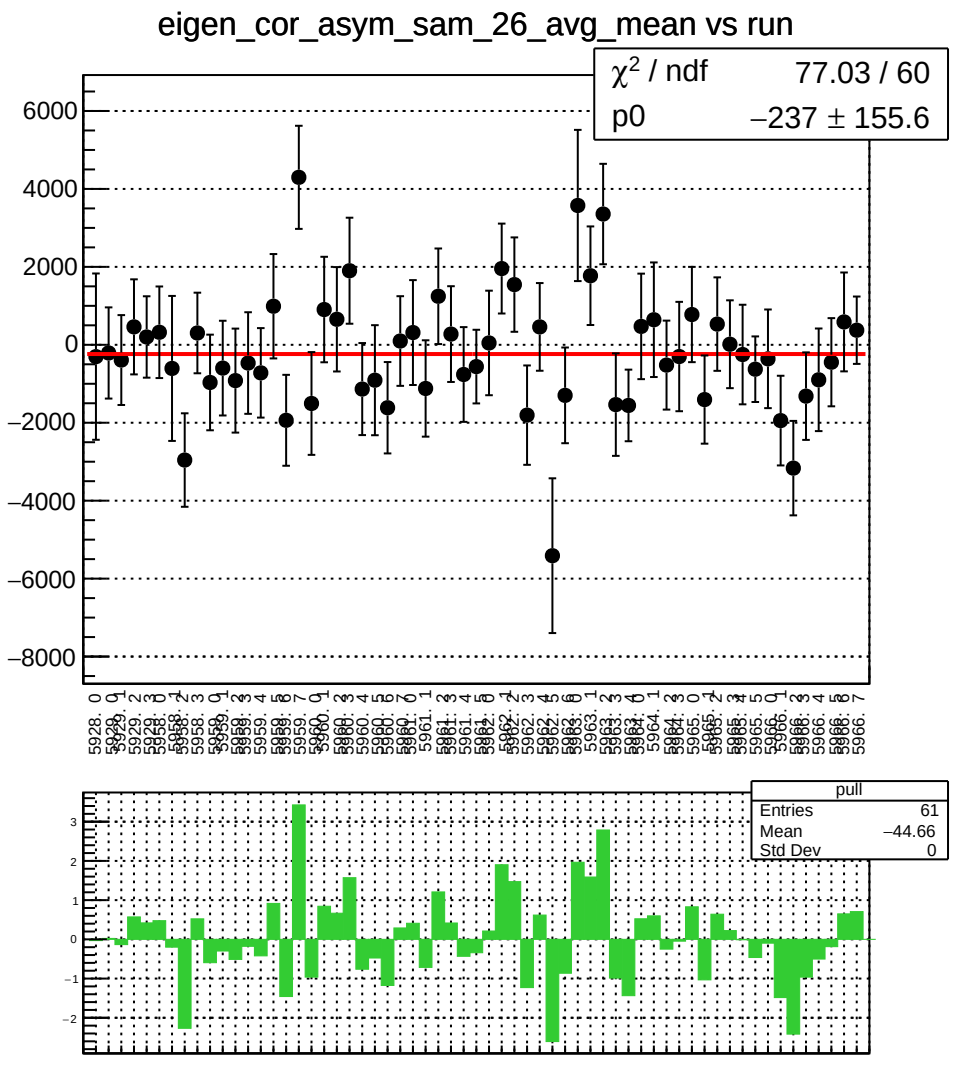

pull1D
Entries 61
Mean 0.01583
Std Dev 1.124

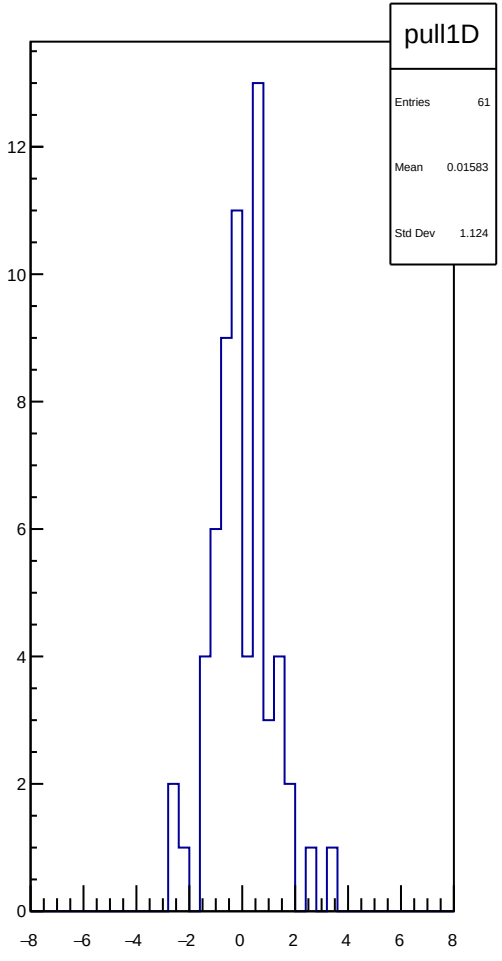

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.664e+04 / 60
p0 119.4 ± 0.1101
220
200
180
160
140
120
100

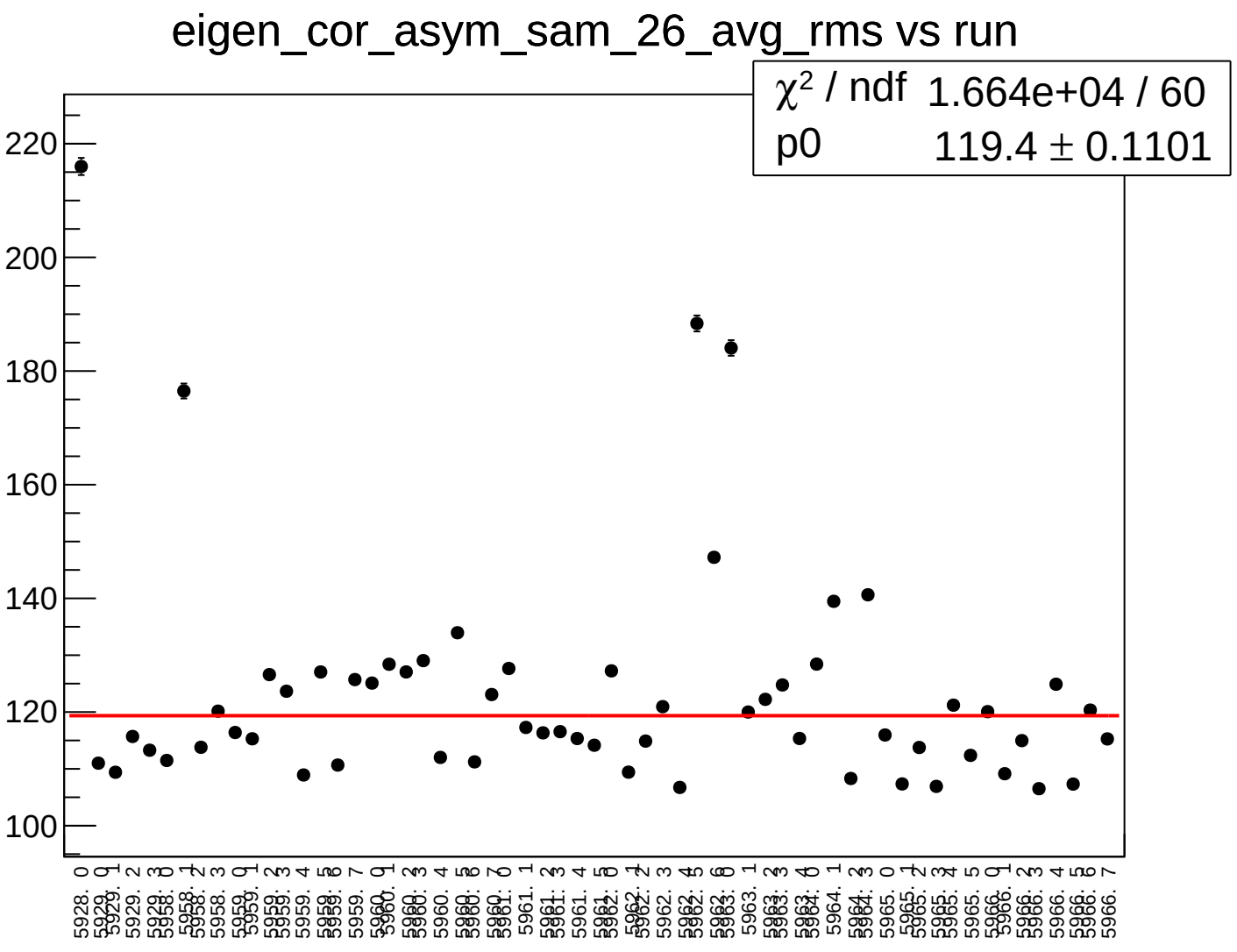

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 70.66 / 60
p0 −2005 ± 1996
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 118.1
Std Dev 0
3
2
1
0
−1
−2

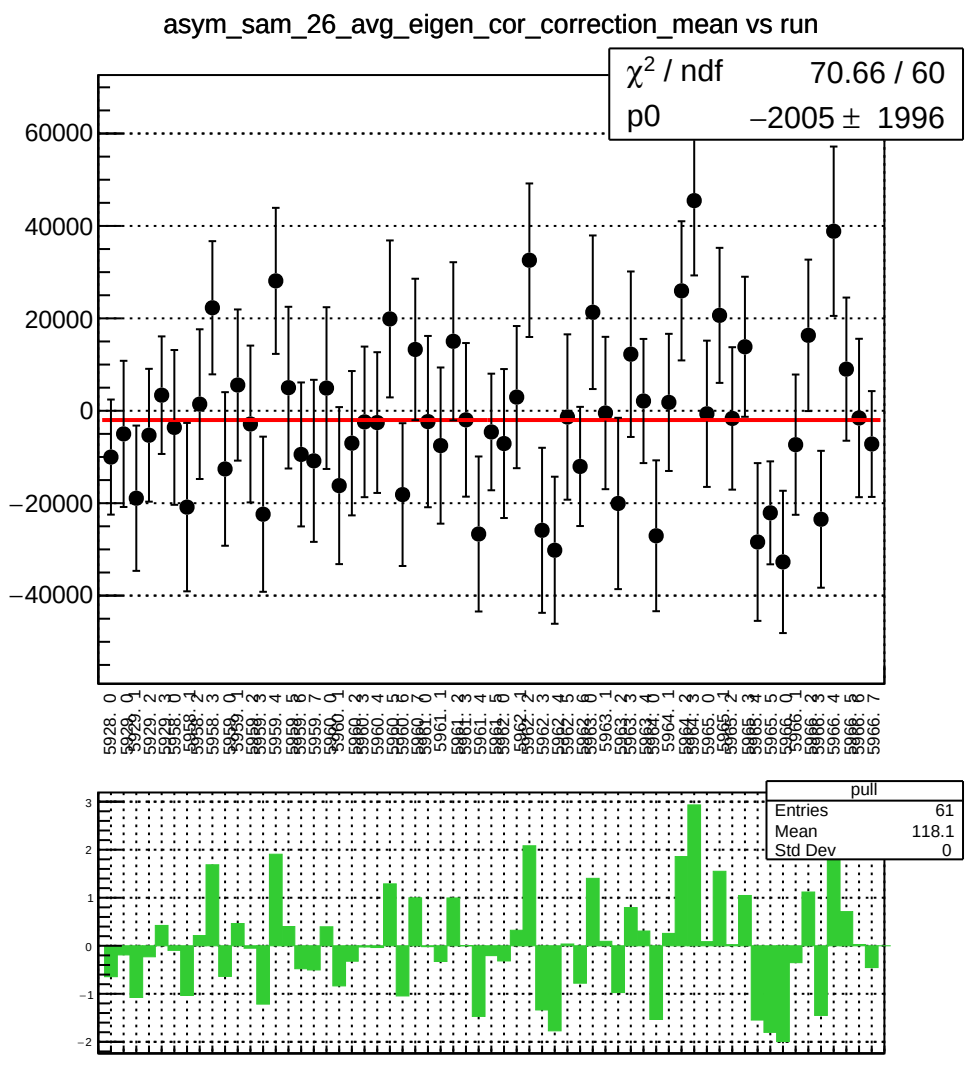

pull1D
Entries 61
Mean 0.01492
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

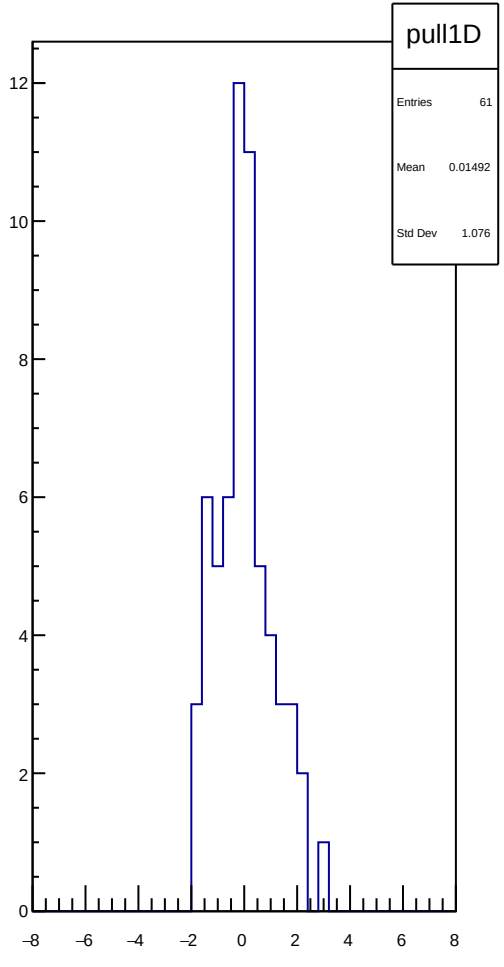

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 5636 / 60
p0 1538 ± 1.412
1800
1700
1600
1500
1400
1300
1200

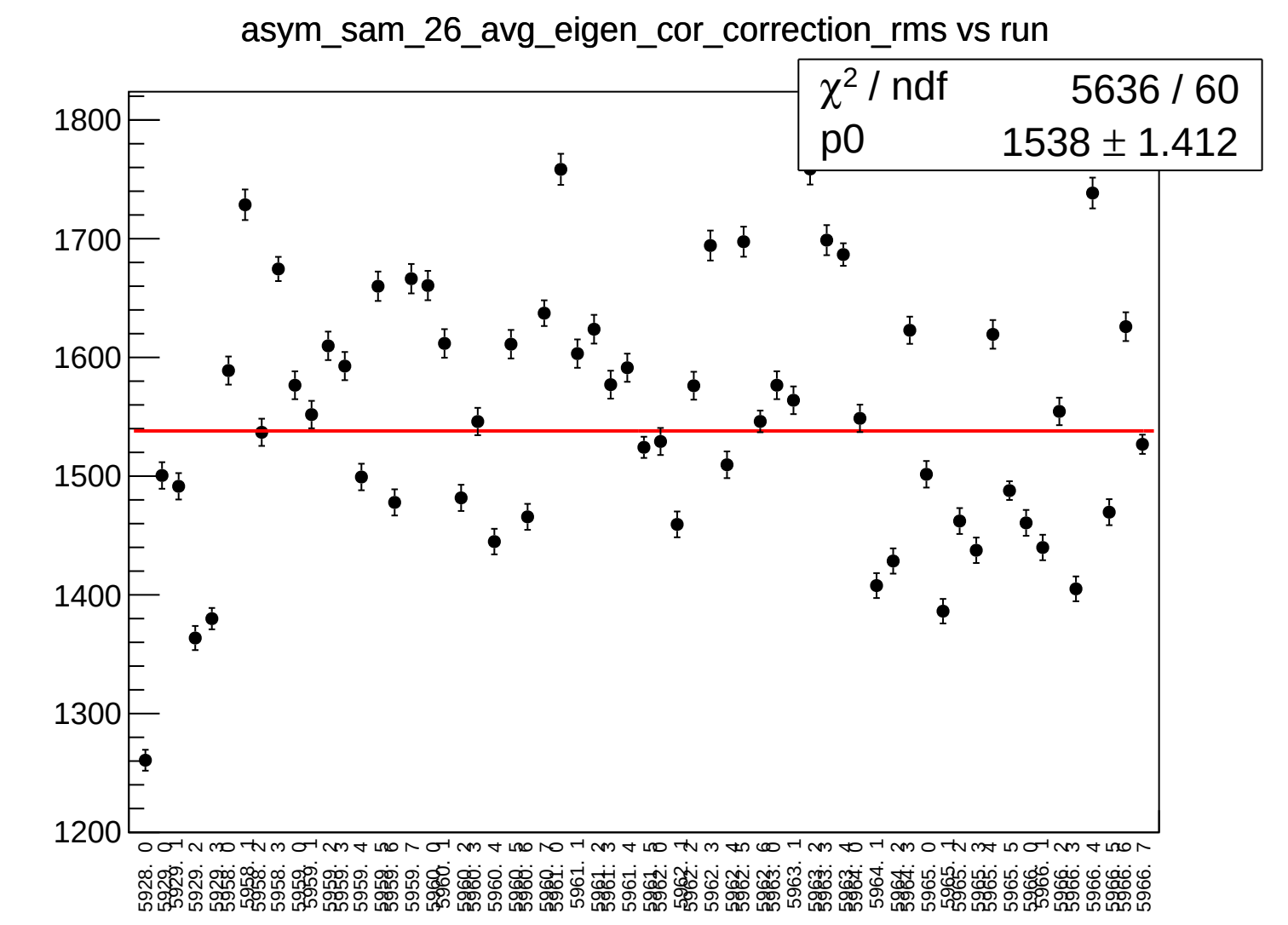

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 77.03 / 60
p0 −237 ± 155.6
pull
Entries 61
Mean −44.66
Std Dev 0

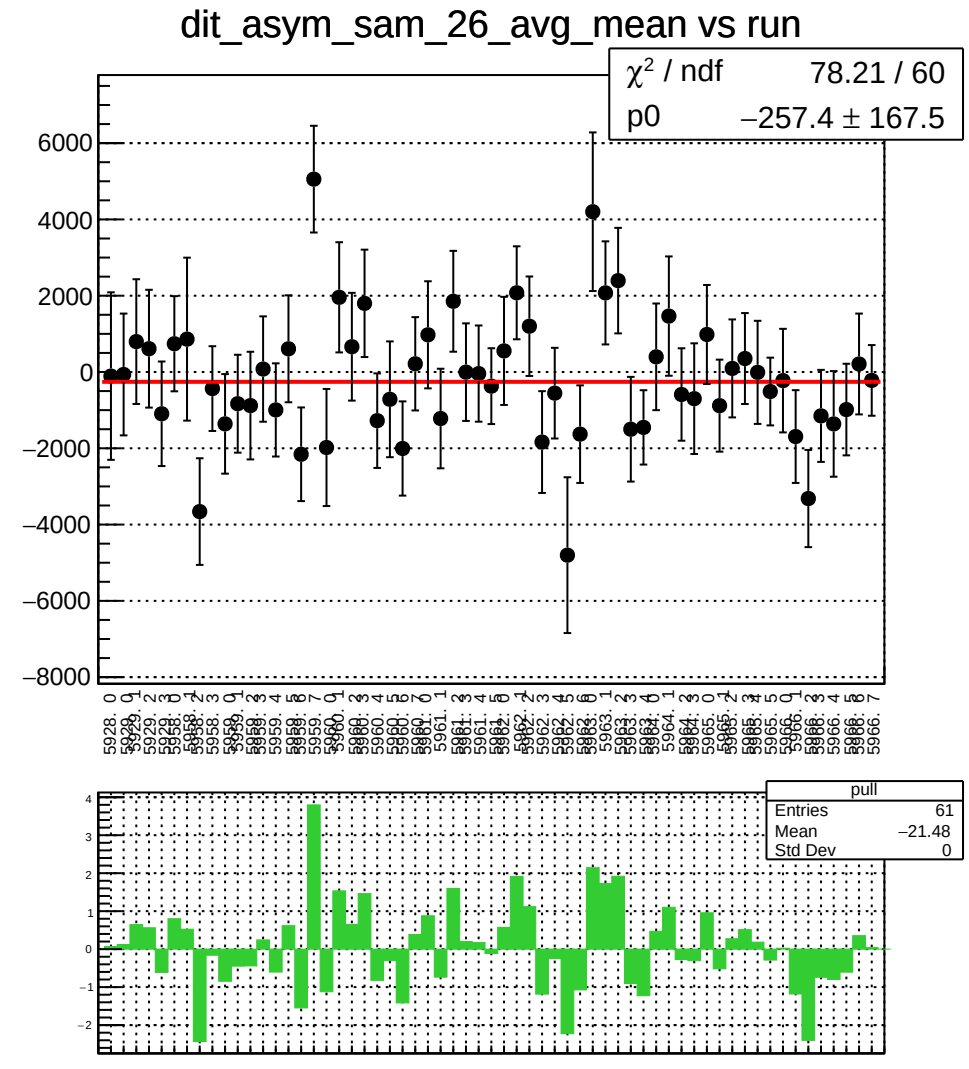

pull1D
Entries 61
Mean 0.01583
Std Dev 1.124

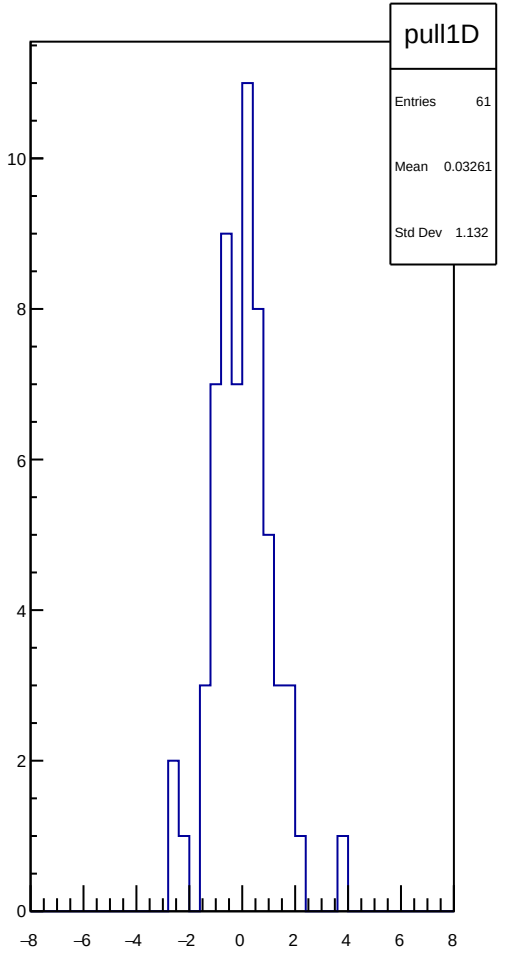

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.664e+04 / 60
p0 119.4 ± 0.1101
220
200
180
160
140
120
100

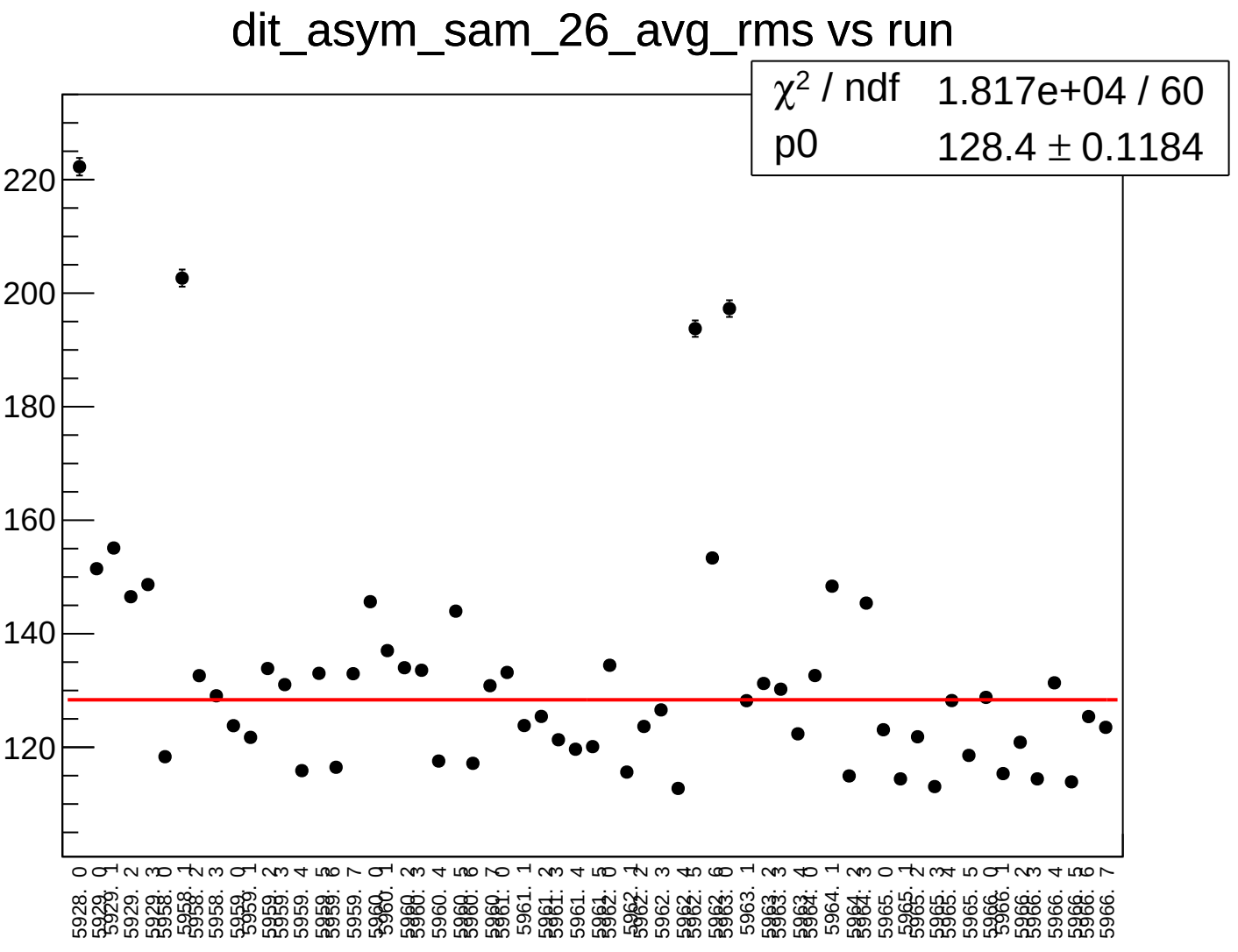

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.66 / 60
p0 −2005 ± 1996
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 118.1
Std Dev 0
3
2
1
0
−1
−2

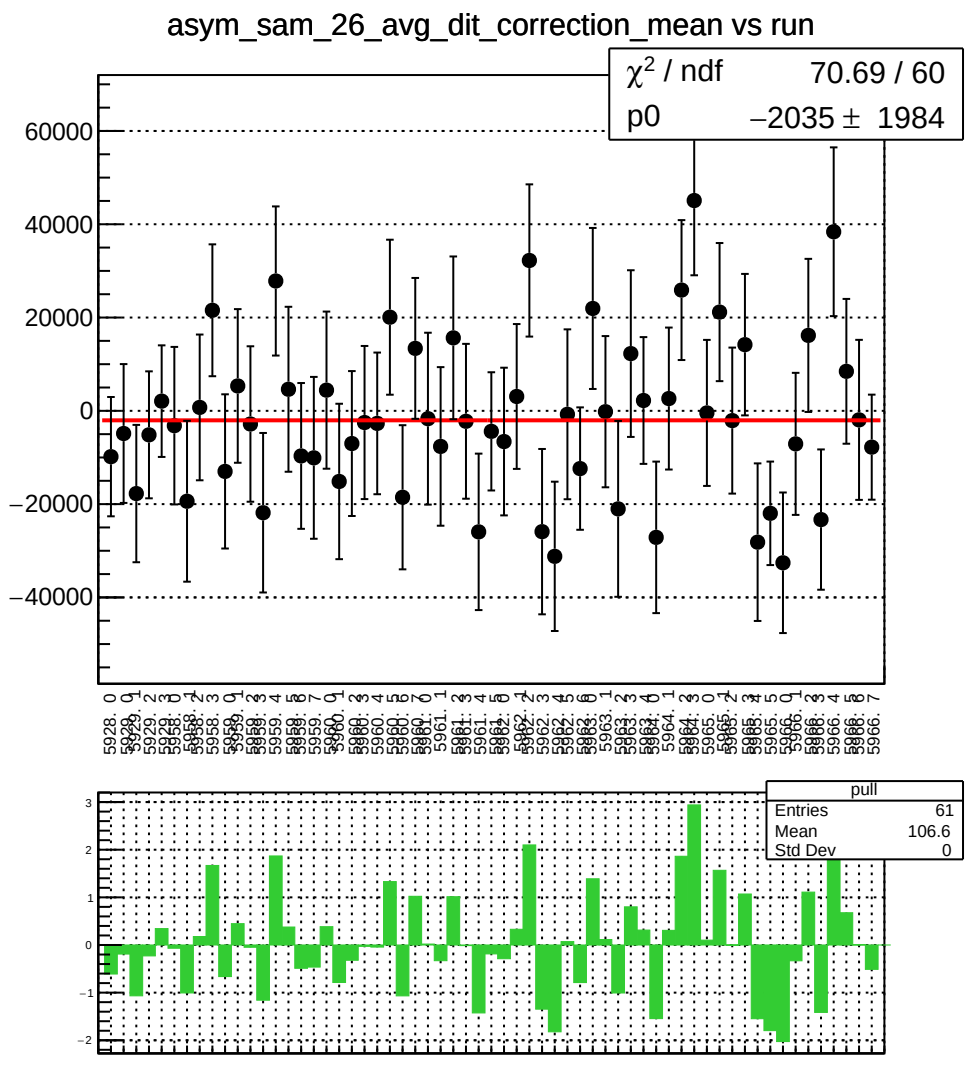

pull1D
Entries 61
Mean 0.01492
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

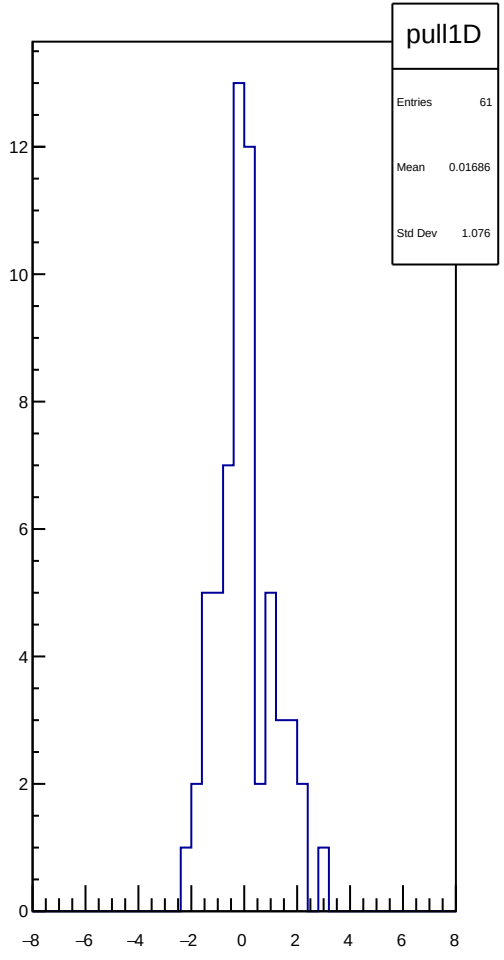

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 5636 / 60
p0 1538 ± 1.412
1800
1700
1600
1500
1400
1300
1200

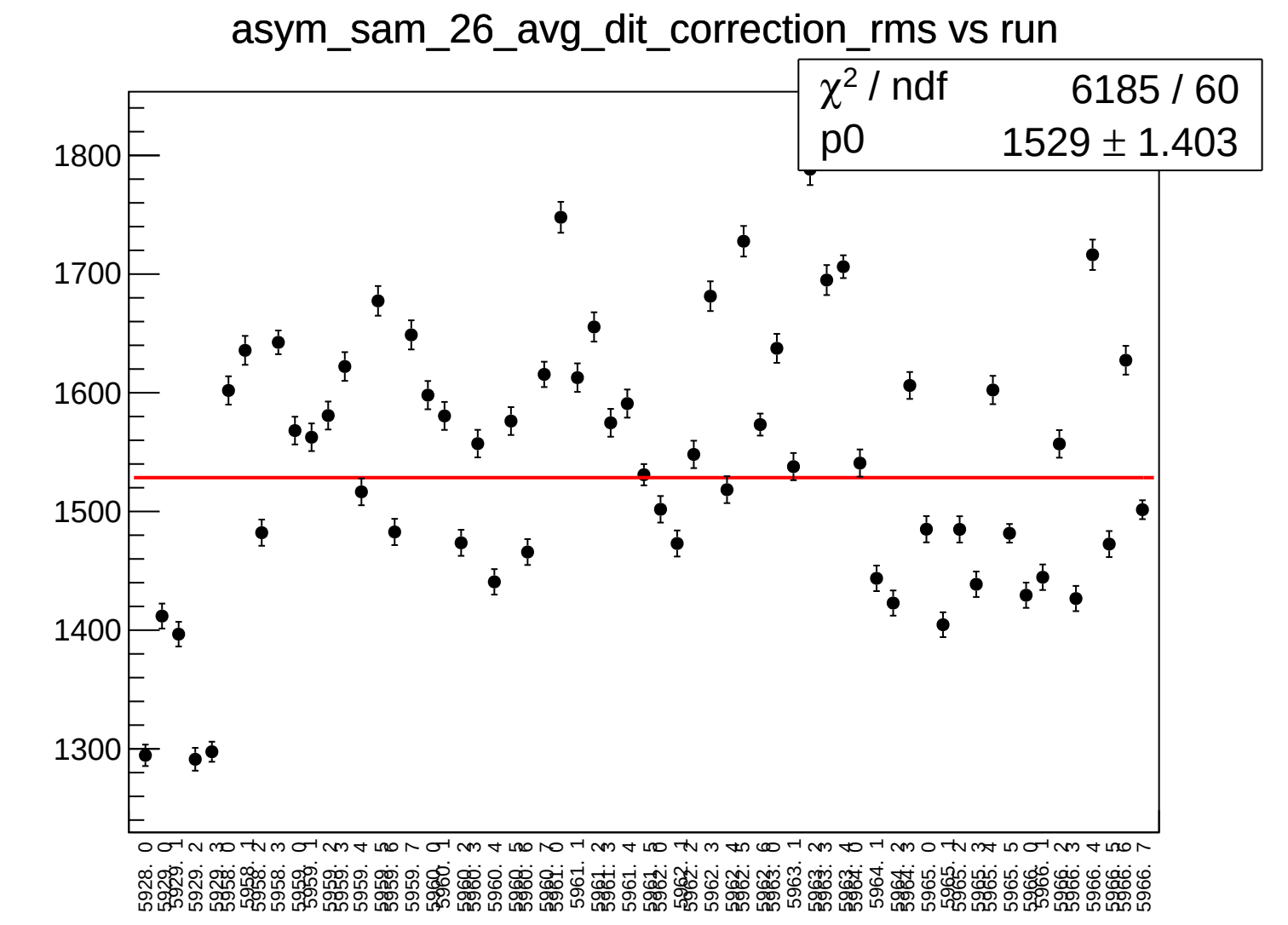

dit_asym_sam_26_avg_mean vs run
χ² / ndf 78.21 / 60
p0 −257.4 ± 167.5
pull
Entries 61
Mean −21.48
Std Dev 0

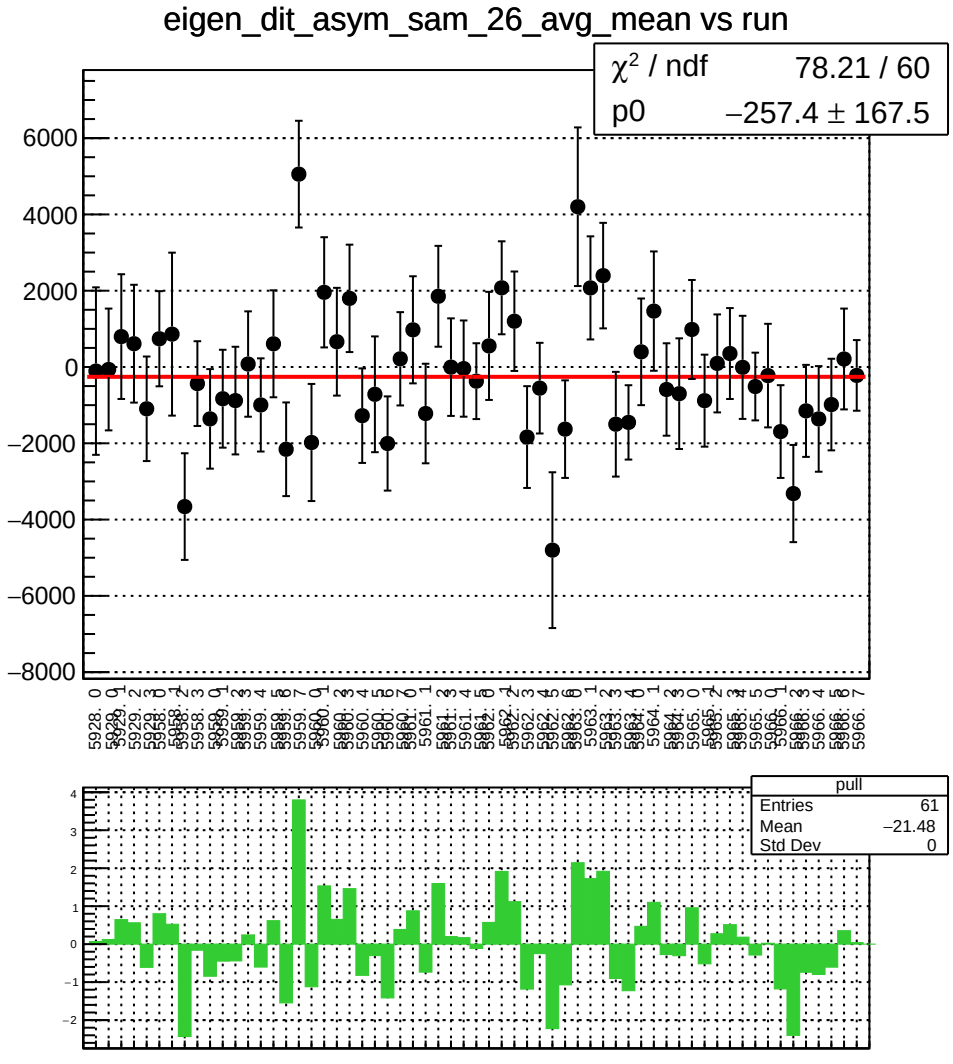

pull1D
Entries 61
Mean 0.03261
Std Dev 1.132

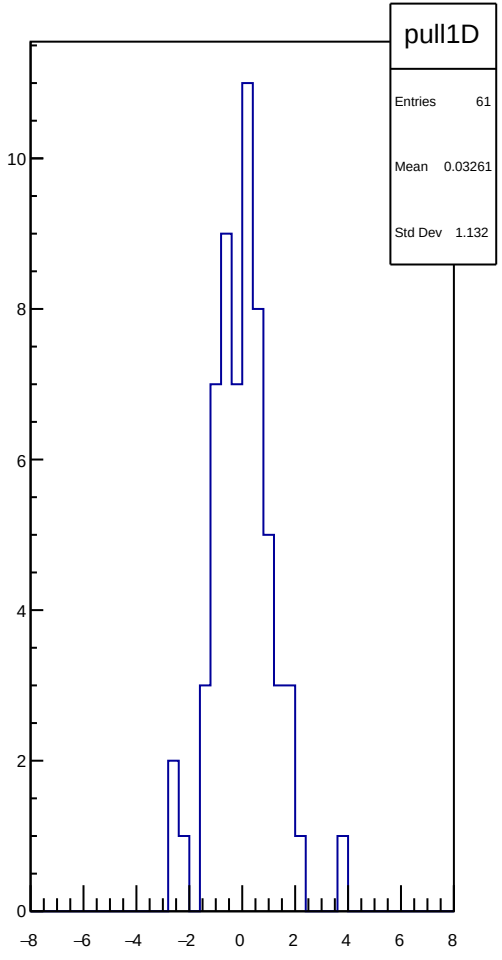

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.817e+04 / 60
p0 128.4 ± 0.1184
220
200
180
160
140
120

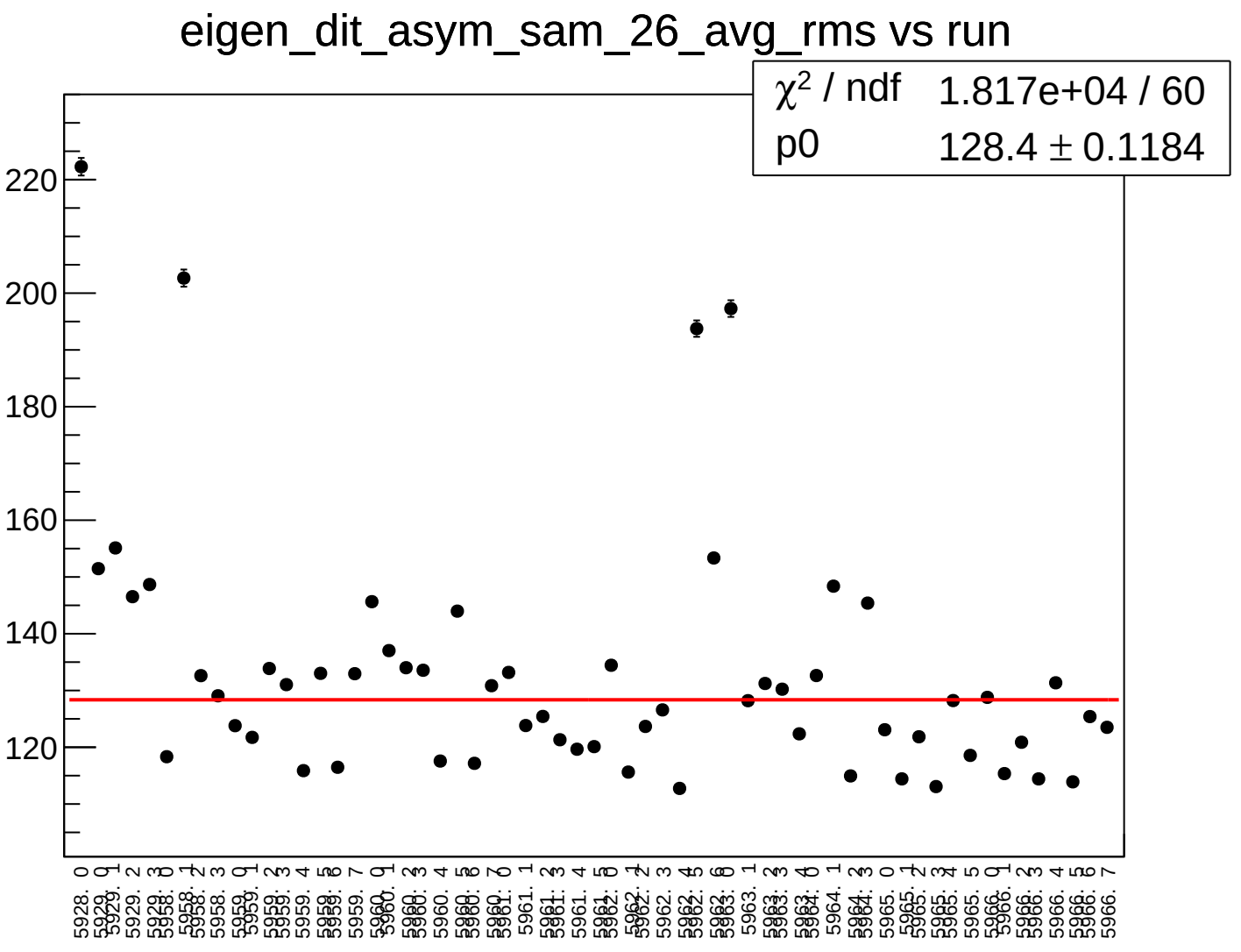

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 70.69 / 60
p0 −2035 ± 1984
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 106.6
Std Dev 0
3
2
1
0
−1
−2

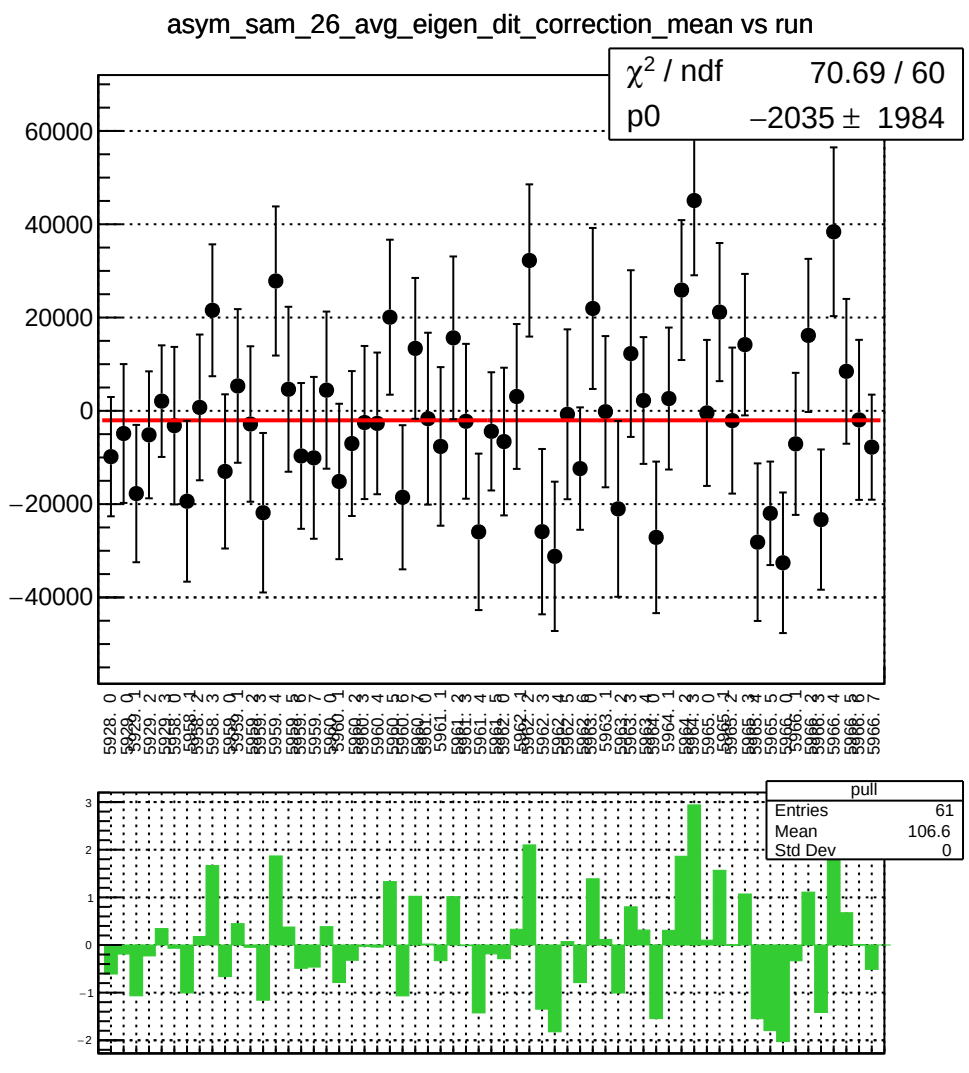

pull1D
Entries 61
Mean 0.01686
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

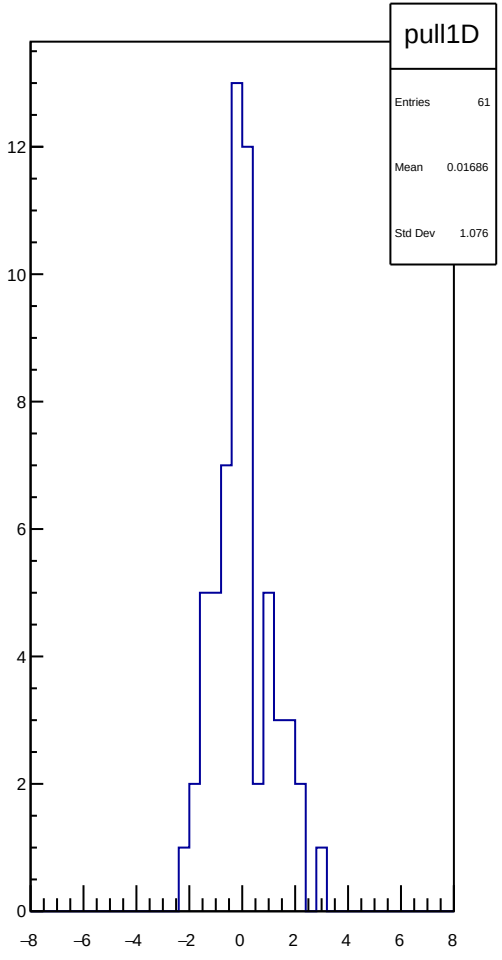

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 6185 / 60
p0 1529 ± 1.403
1800
1700
1600
1500
1400
1300

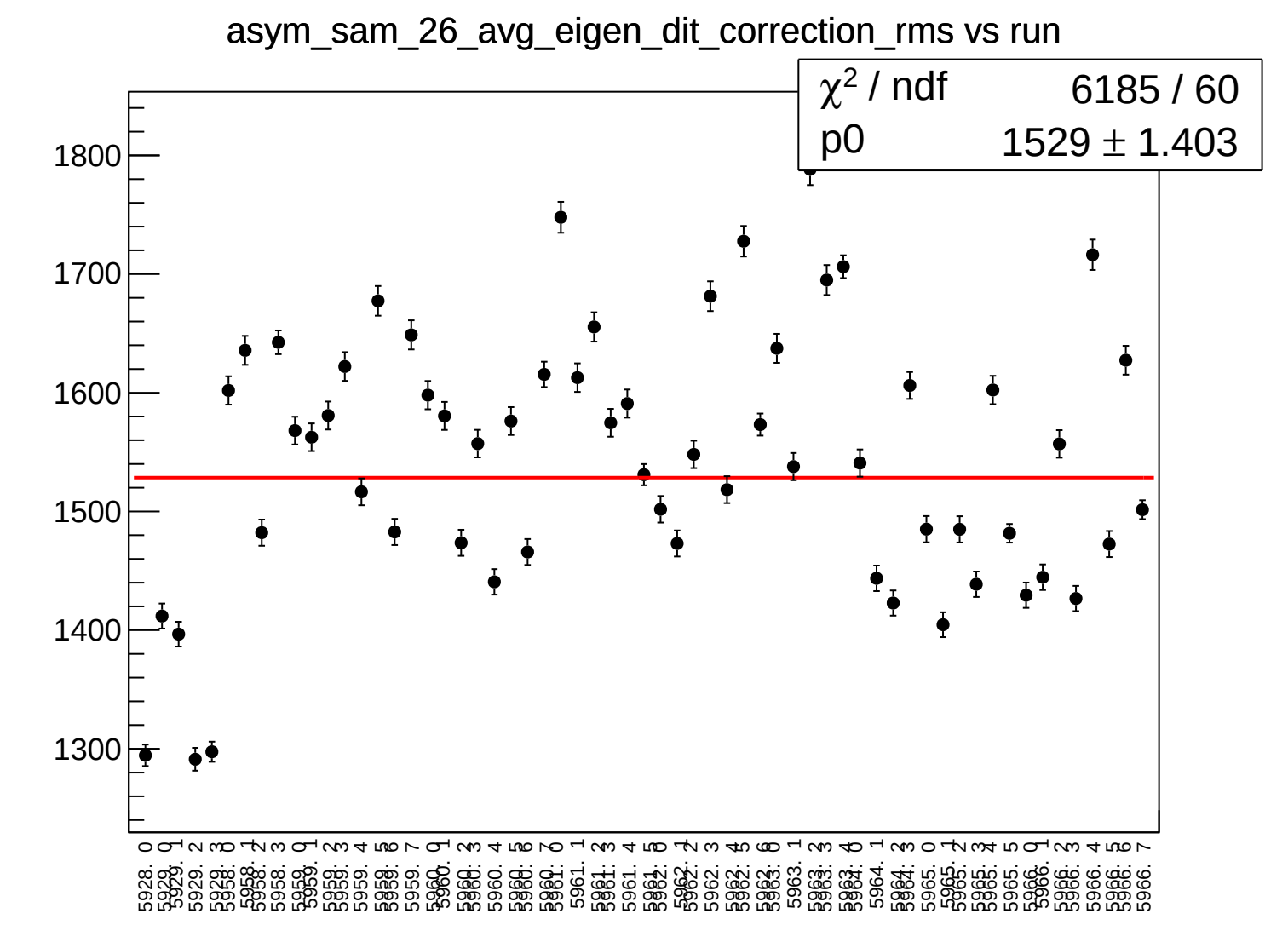

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 78.21 / 60
p0 −257.4 ± 167.5
pull
Entries 61
Mean −21.48
Std Dev 0

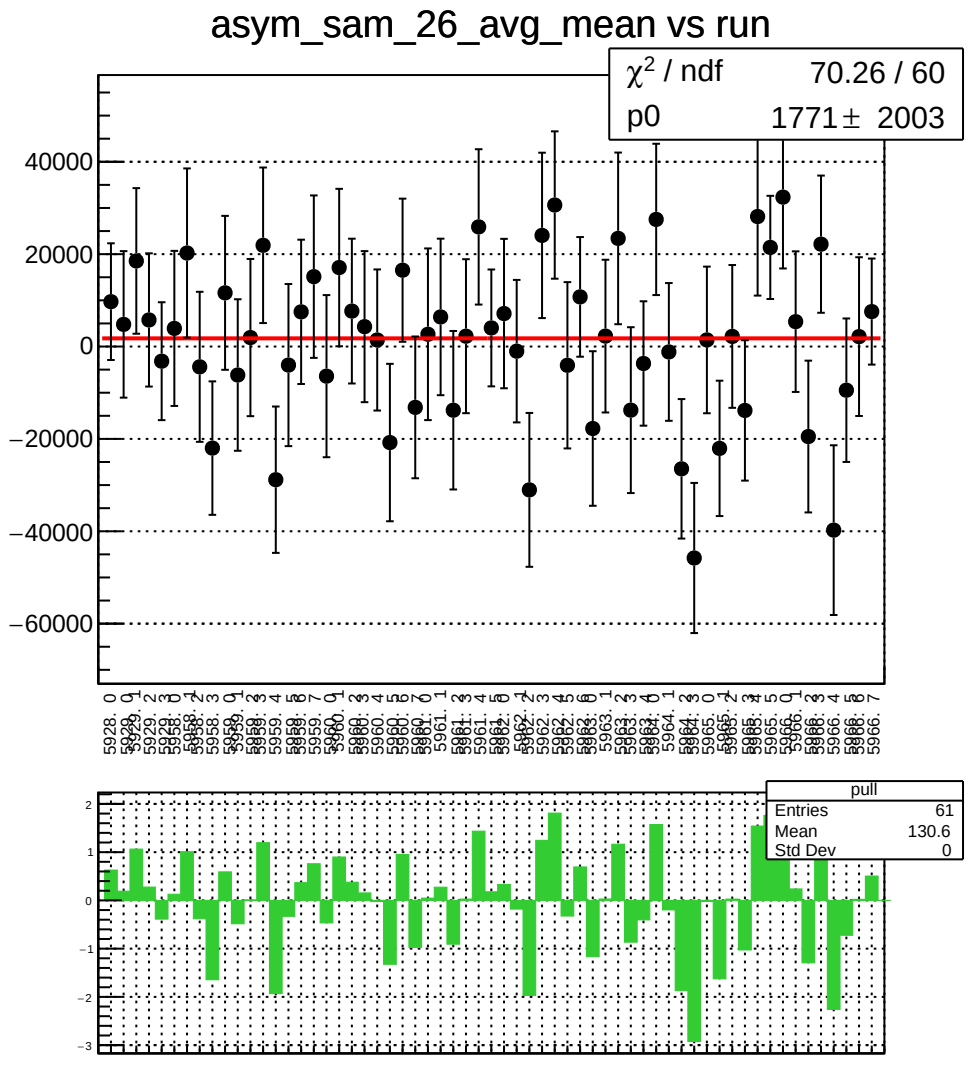

pull1D
Entries 61
Mean 0.03261
Std Dev 1.132

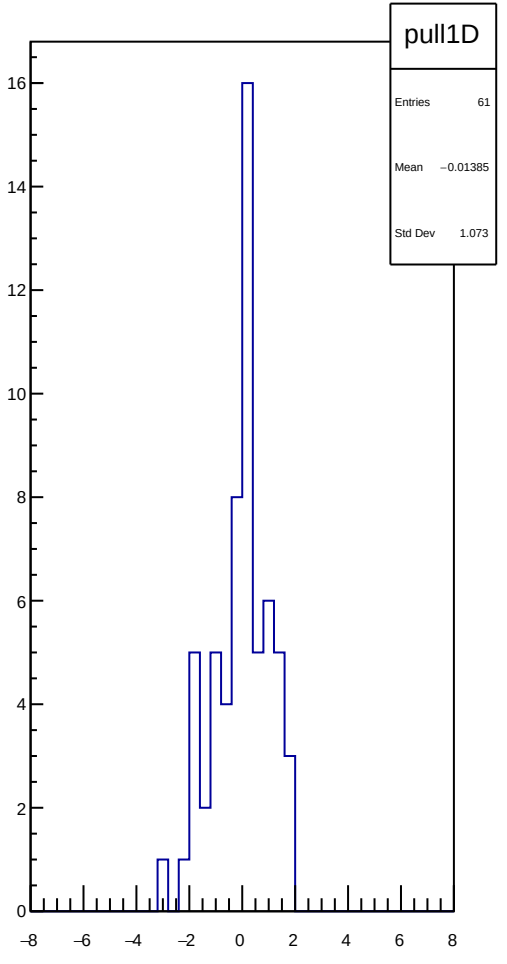

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.817e+04 / 60
p0 128.4 ± 0.1184
220
200
180
160
140
120

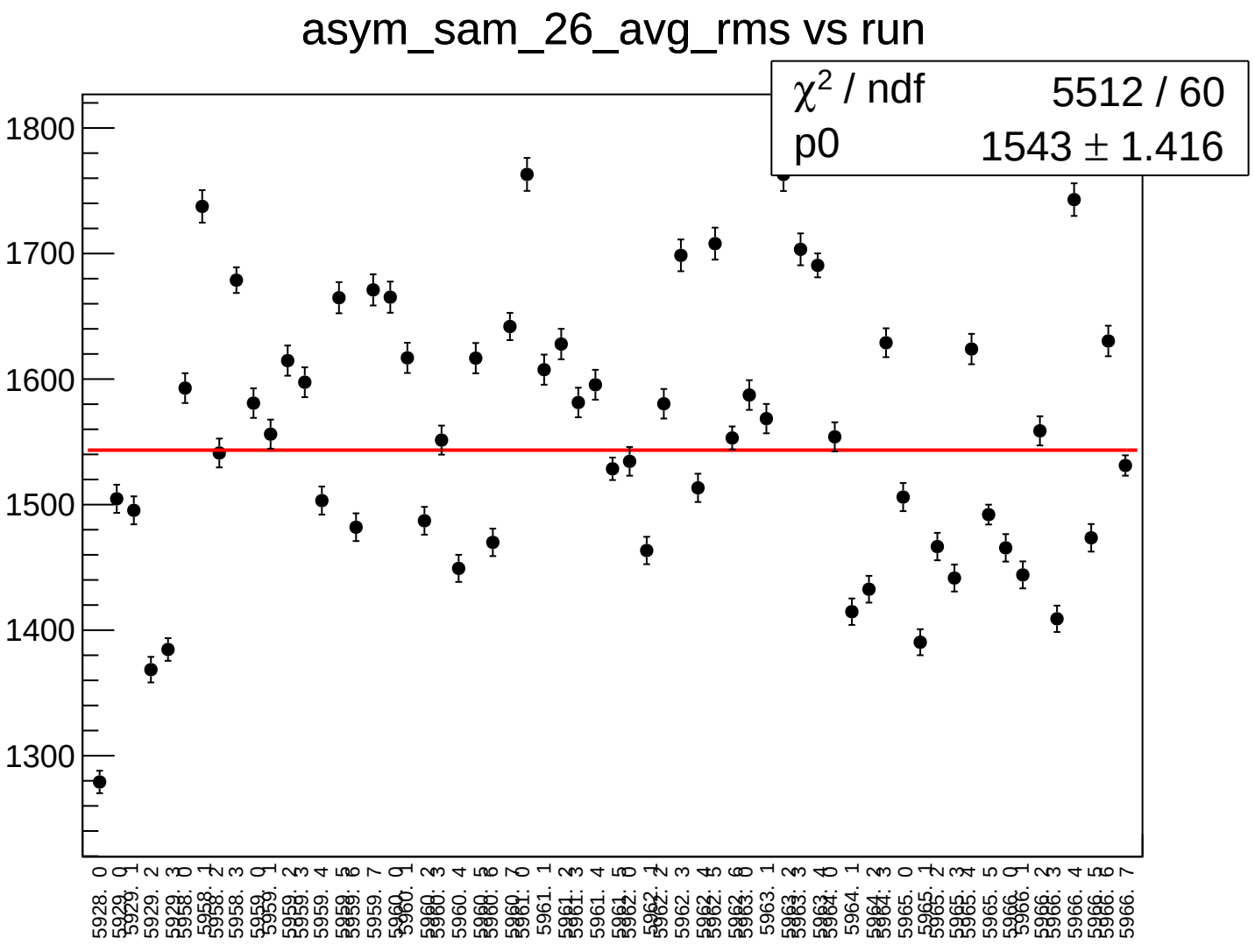

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.69 / 60
p0 −2035 ± 1984
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 106.6
Std Dev 0
3
2
1
0
−1
−2

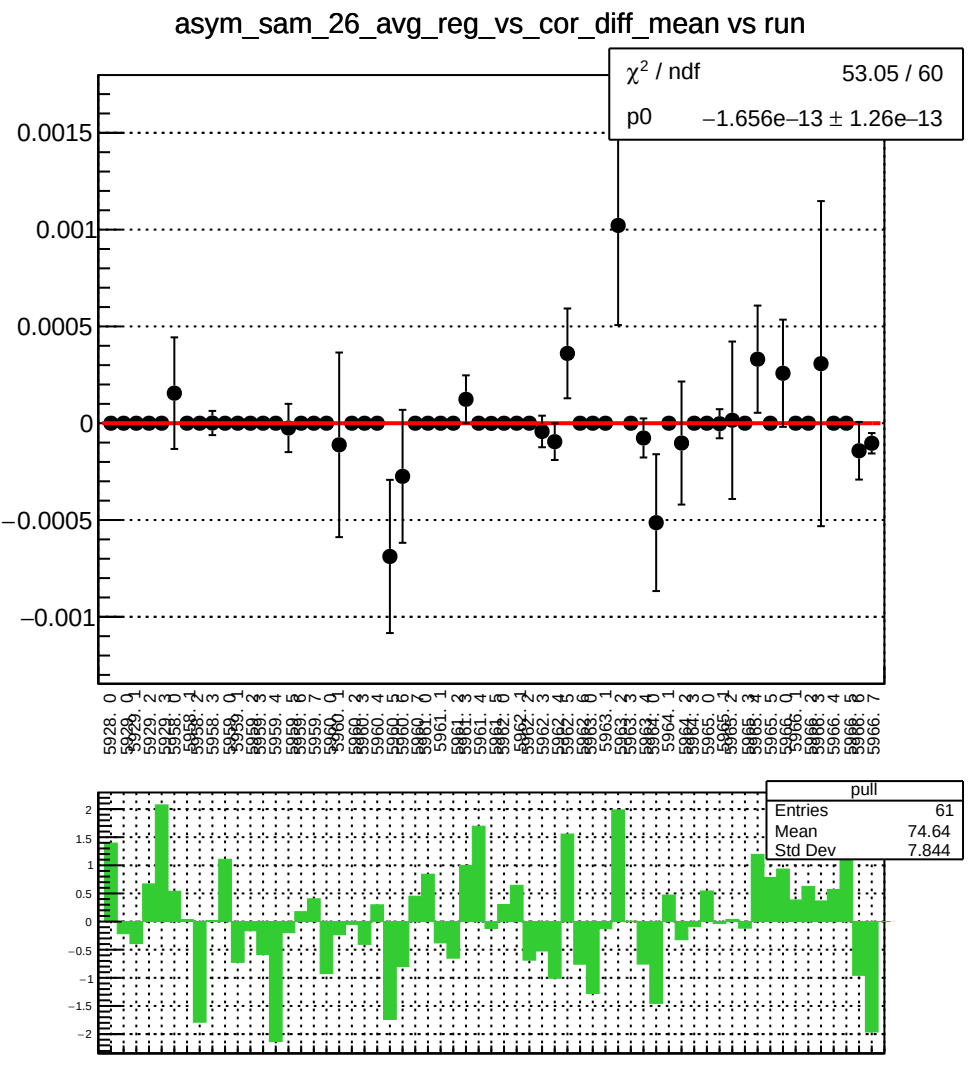

pull1D
Entries 61
Mean 0.01686
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

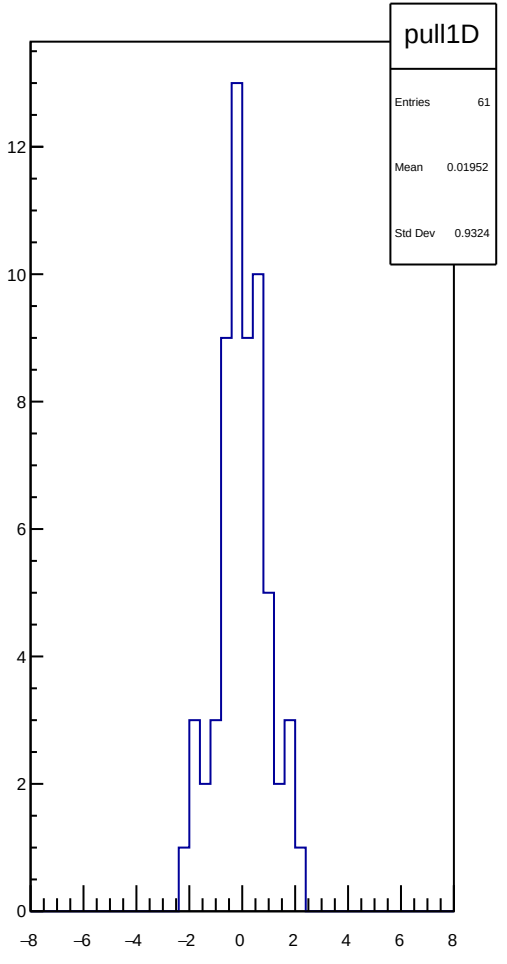

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 6185 / 60
p0 1529 ± 1.403
1800
1700
1600
1500
1400
1300

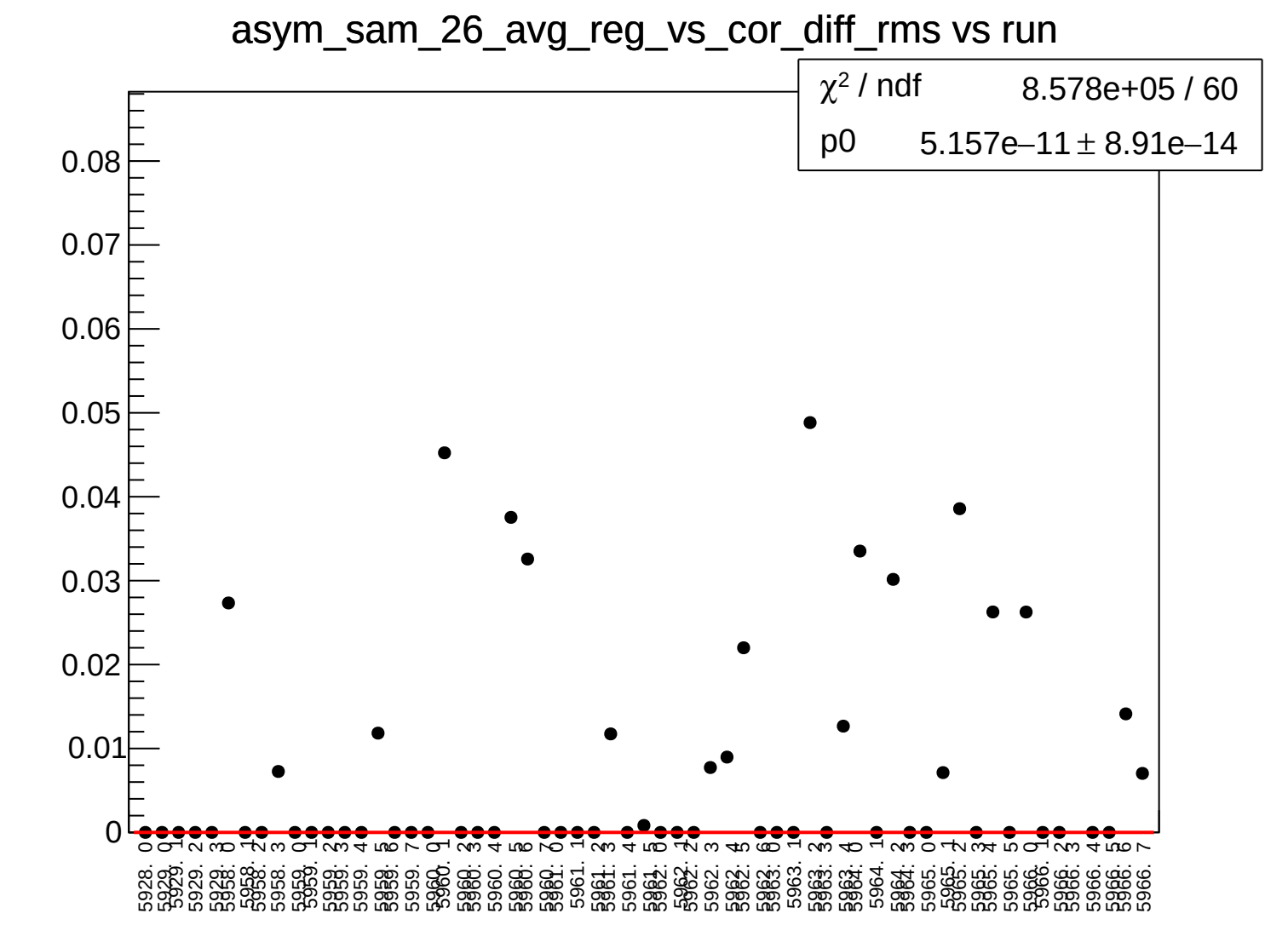

asym_sam_26_avg_mean vs run
χ² / ndf 70.26 / 60
p0 1771 ± 2003
pull
Entries 61
Mean 130.6
Std Dev 0

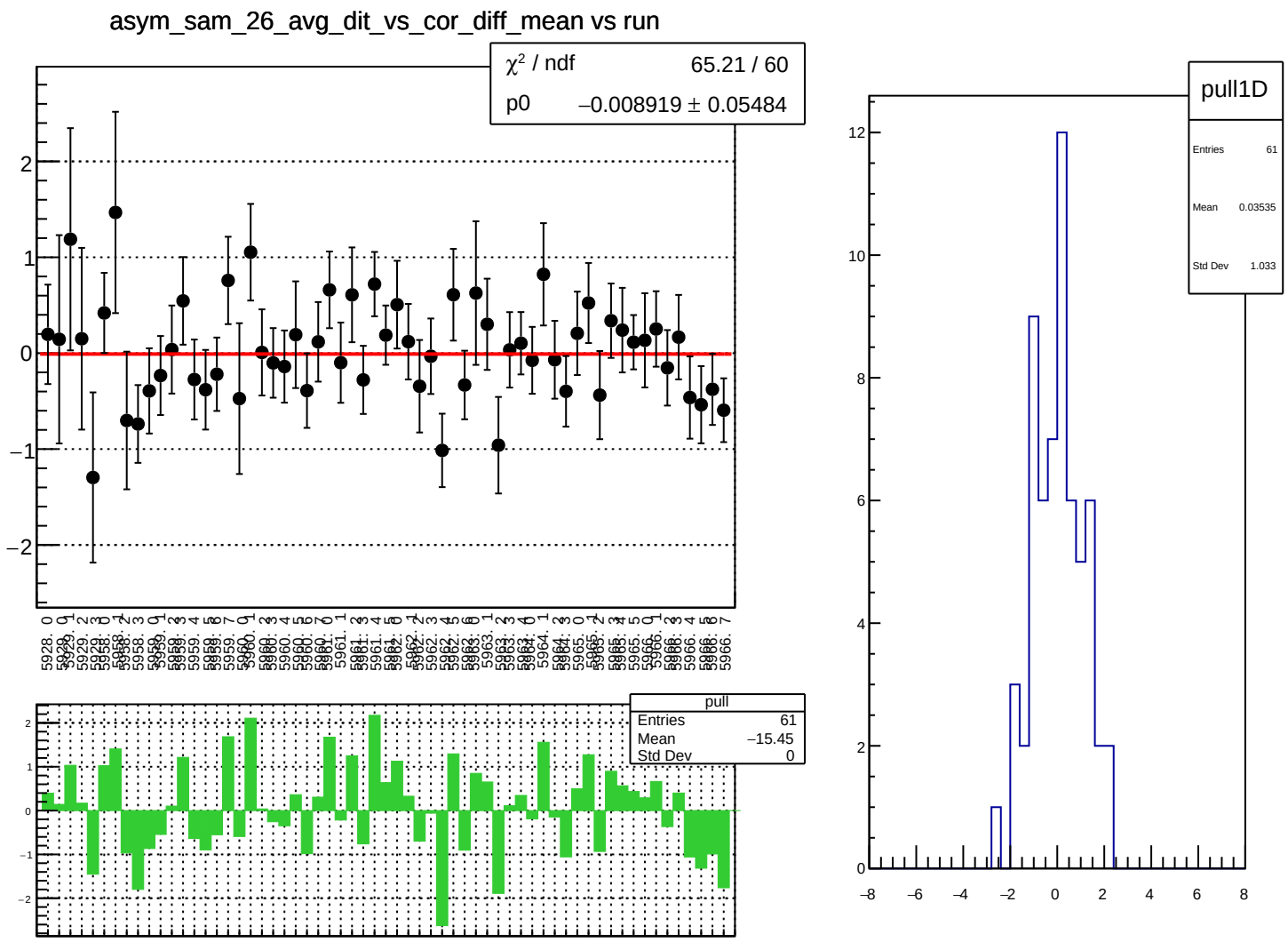

pull1D
Entries 61
Mean −0.01385
Std Dev 1.073

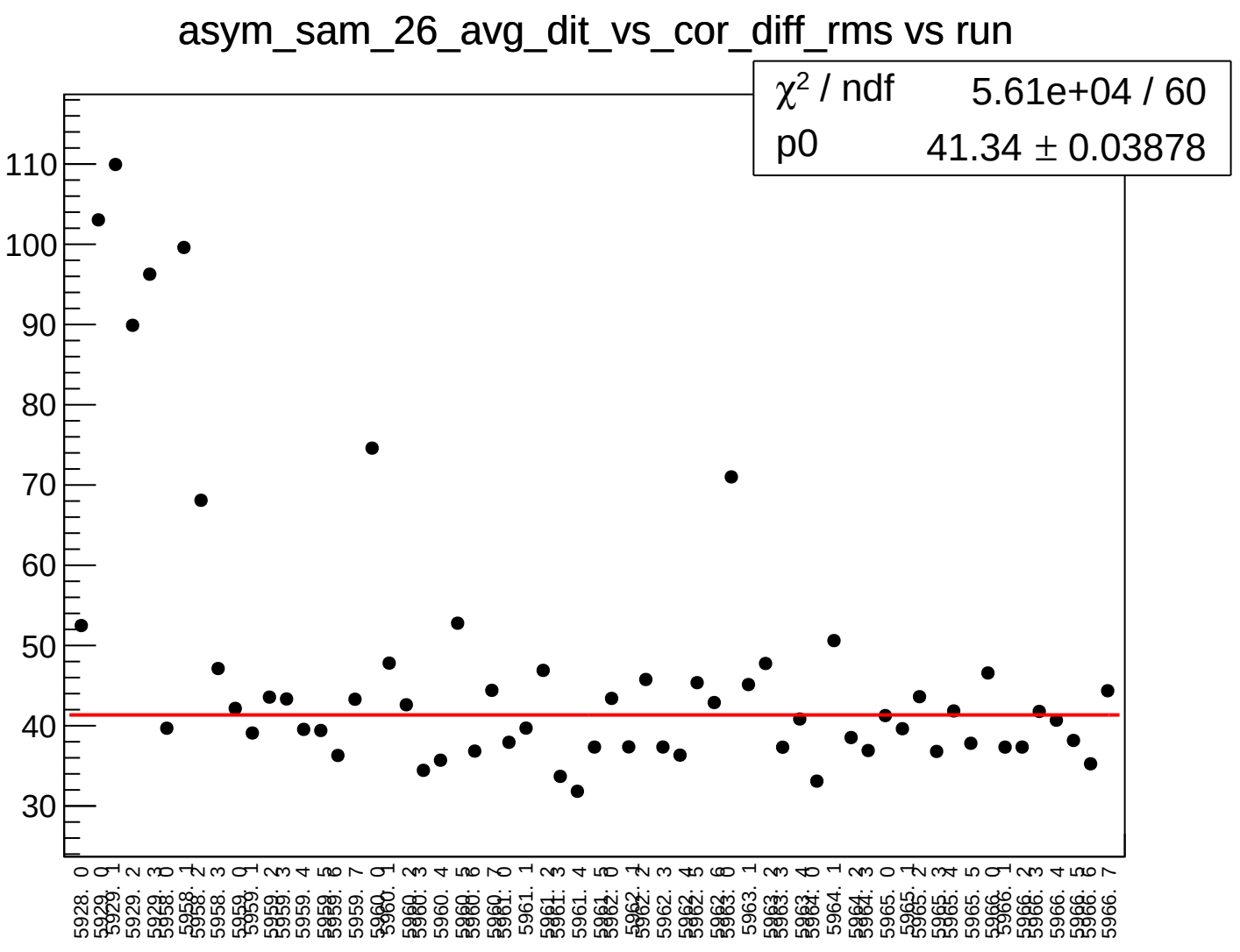

asym_sam_26_avg_rms vs run
χ² / ndf 5512 / 60
p0 1543 ± 1.416
1800
1700
1600
1500
1400
1300

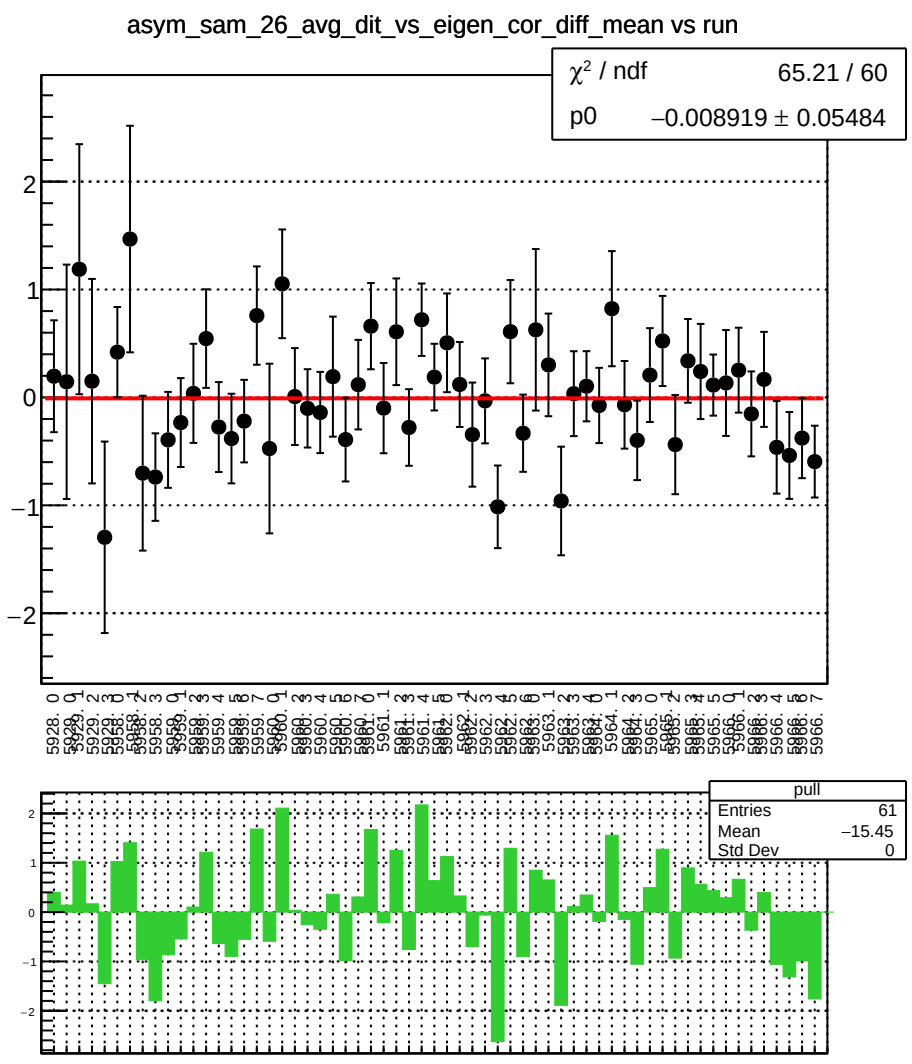

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.05 / 60
p0 −1.656e−13 ± 1.26e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 61
Mean 74.64
Std Dev 7.844
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

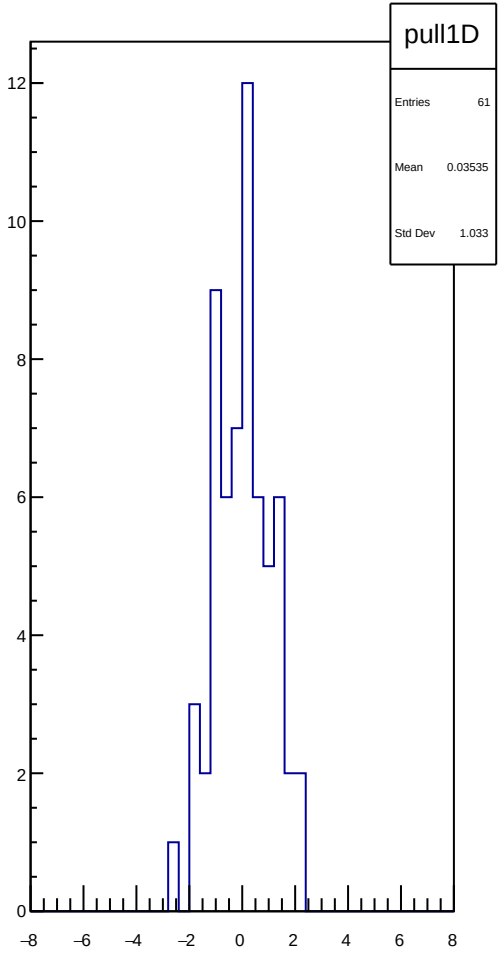

pull1D
Entries 61
Mean 0.01952
Std Dev 0.9324
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

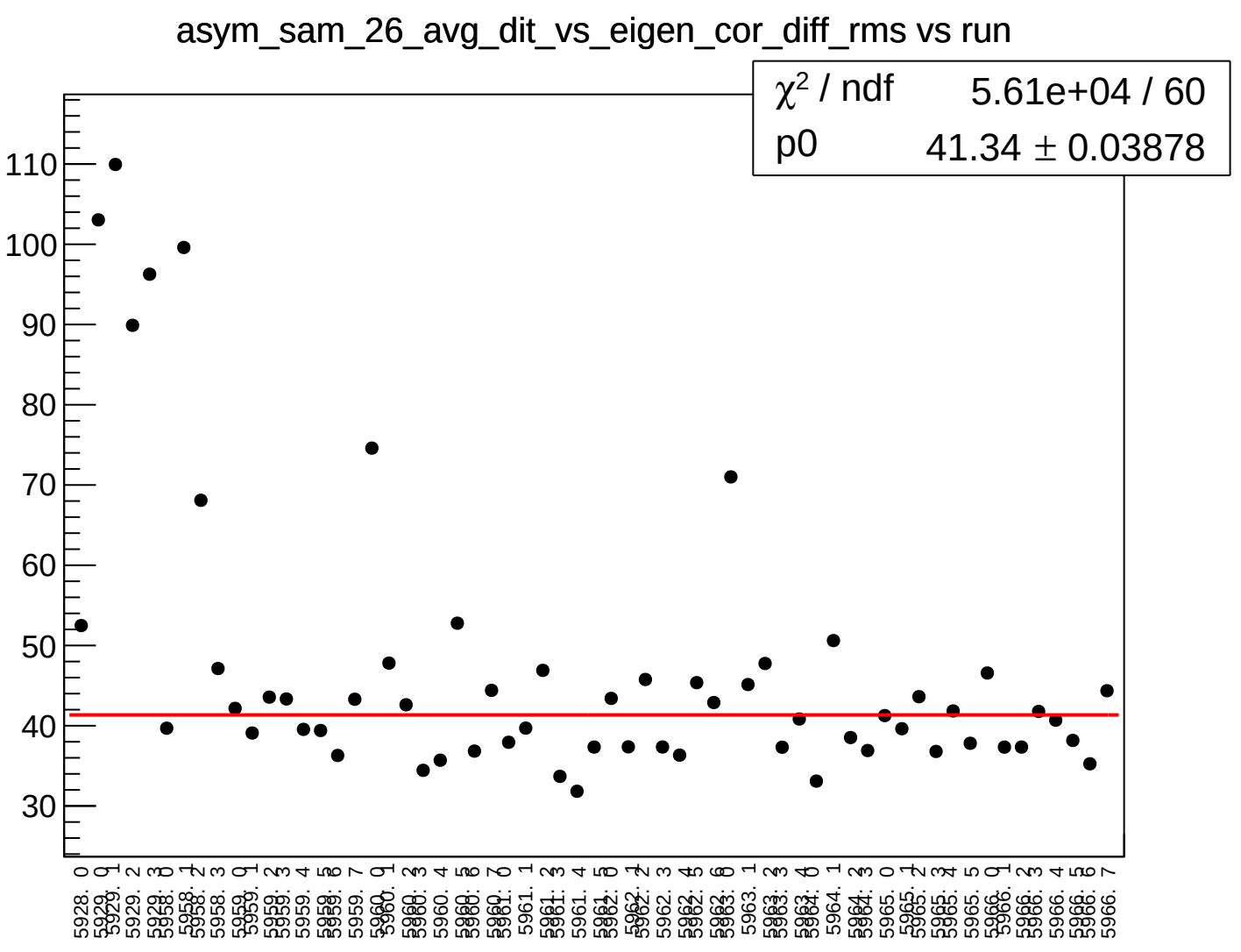

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.578e+05 / 60
p0 5.157e−11 ± 8.91e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

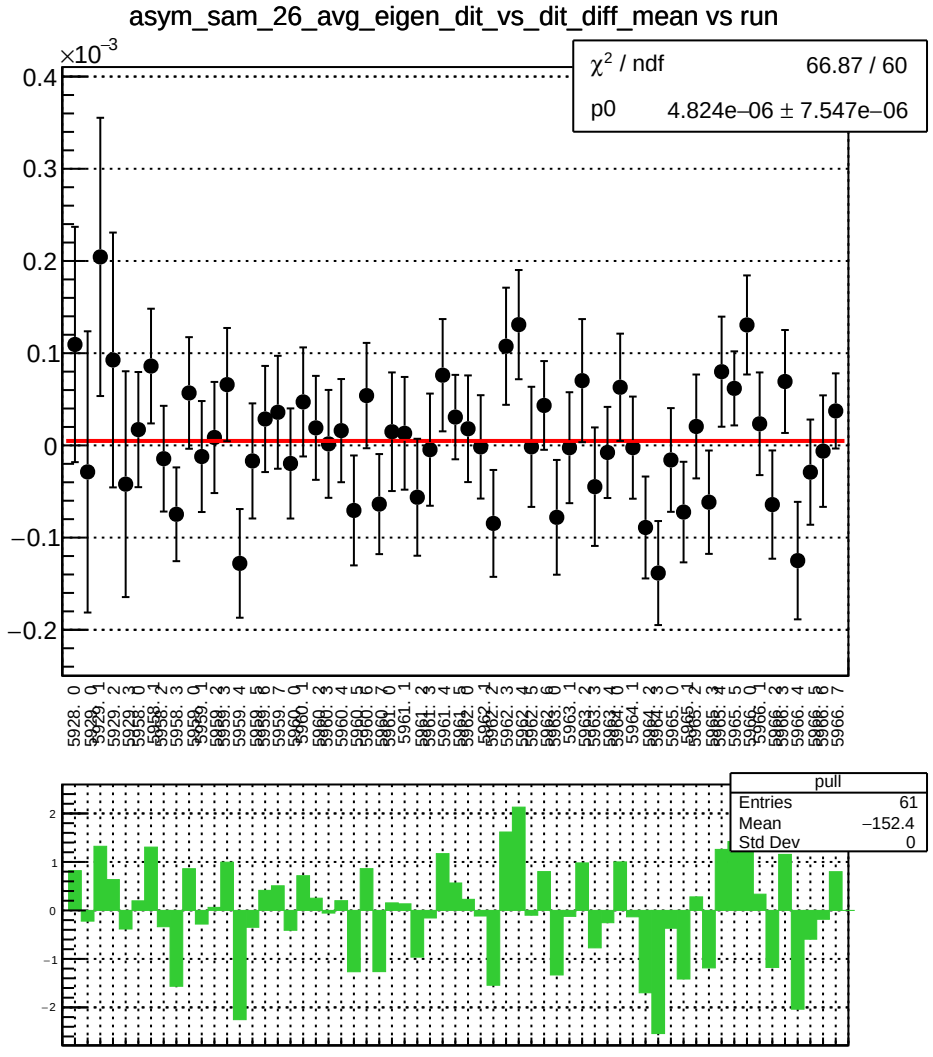

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.21 / 60
p0 −0.008919 ± 0.05484
pull
Entries 61
Mean −15.45
Std Dev 0
pull1D
Entries 61
Mean 0.03535
Std Dev 1.033

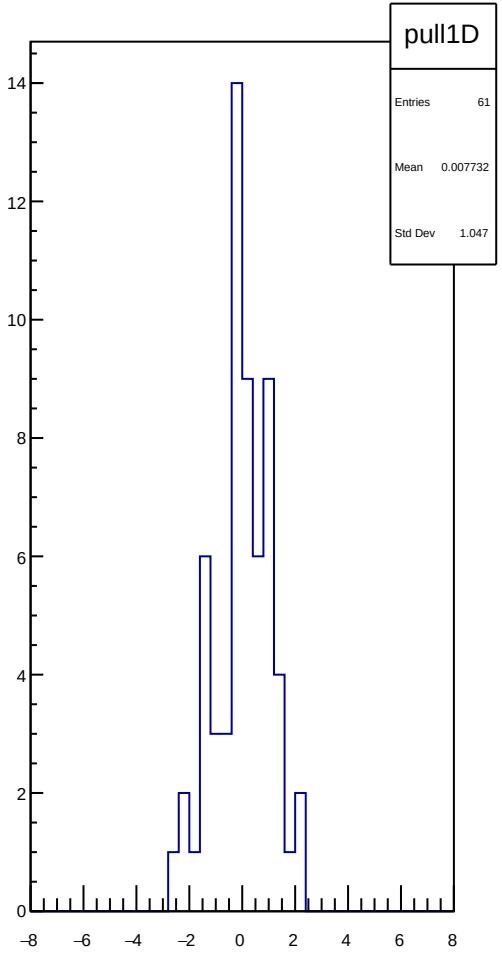

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.61e+04 / 60
p0 41.34 ± 0.03878
110
100
90
80
70
60
50
40
30

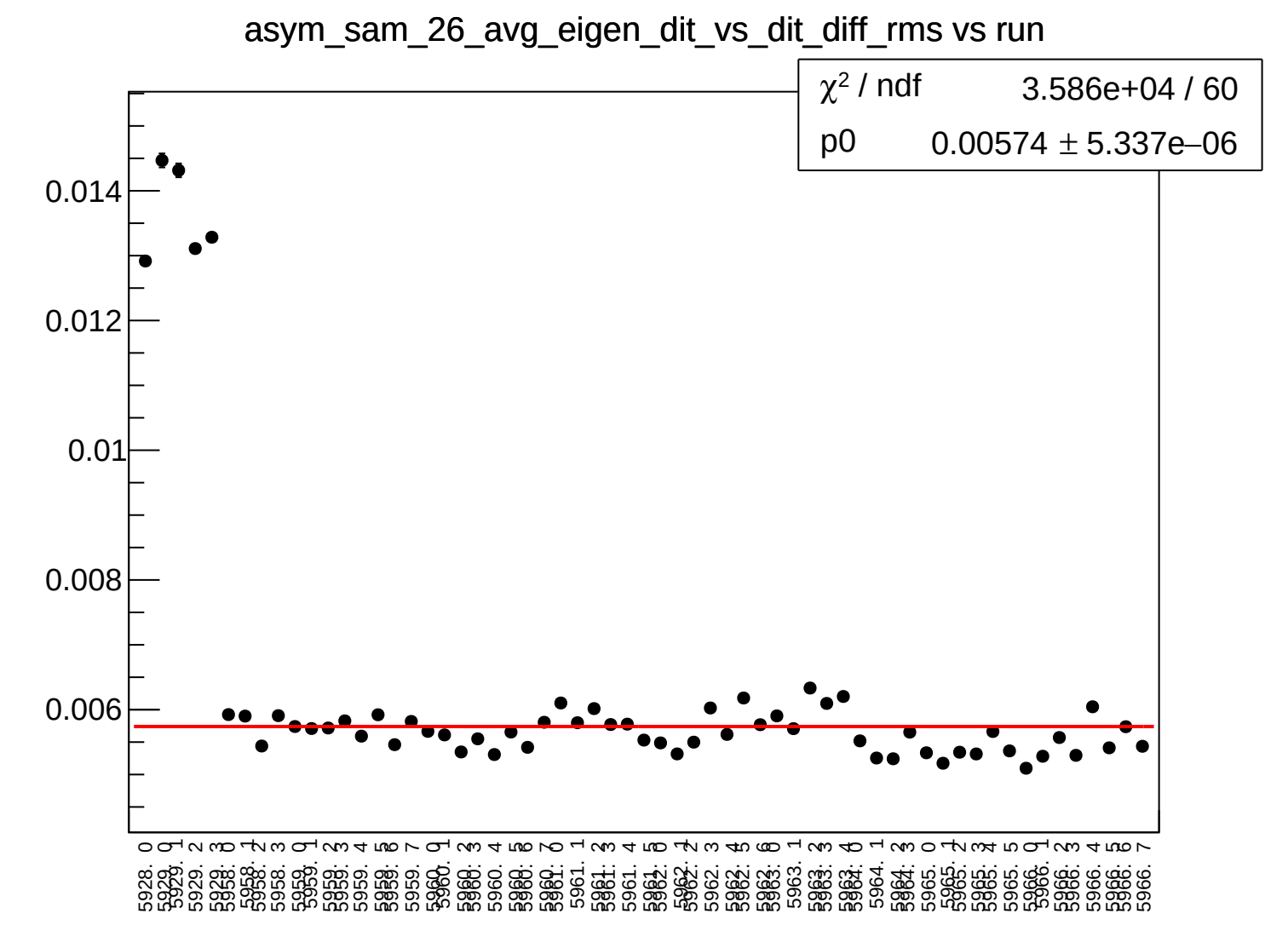

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.21 / 60
p0 −0.008919 ± 0.05484
pull
Entries 61
Mean −15.45
Std Dev 0

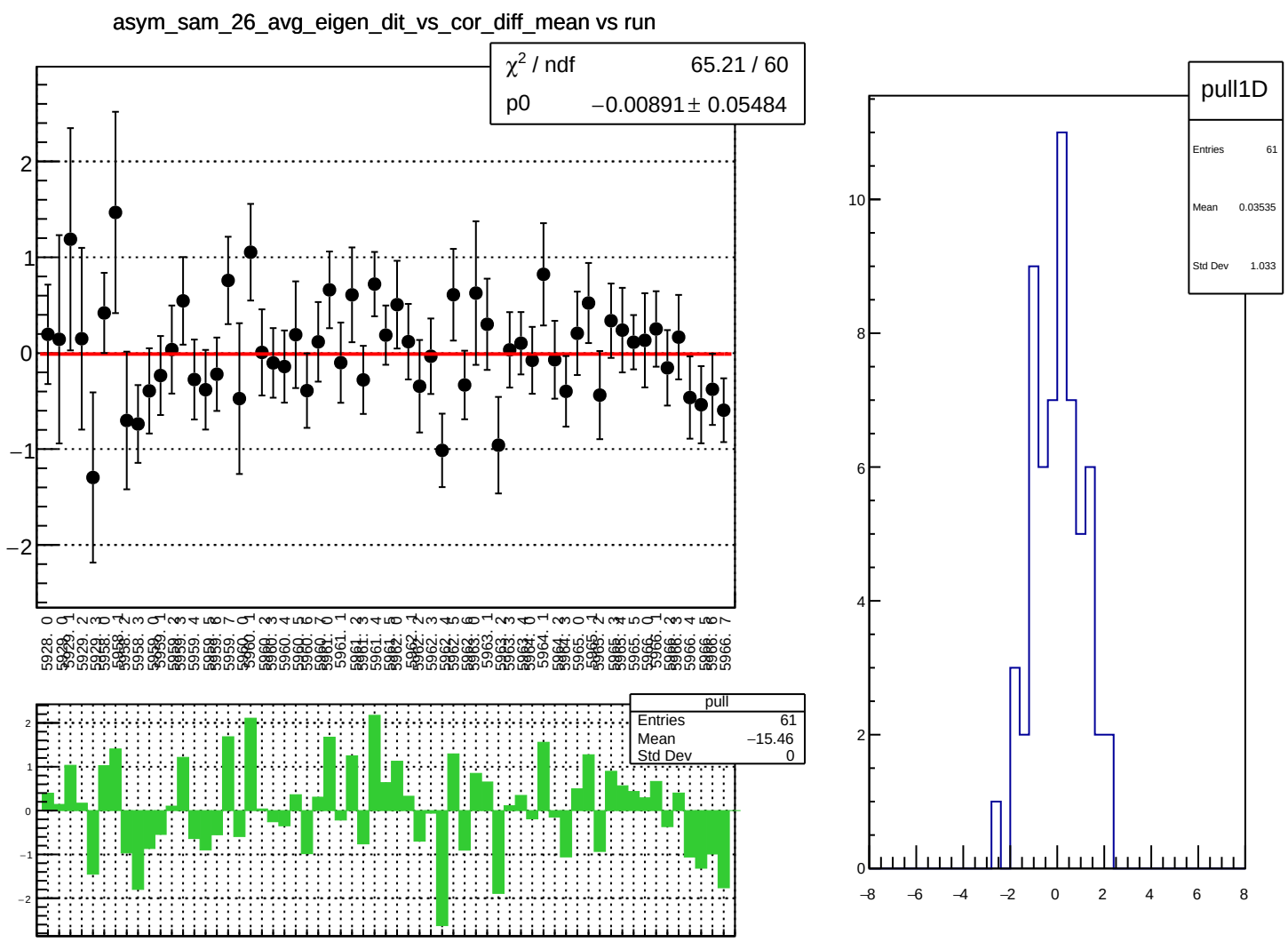

pull1D
Entries 61
Mean 0.03535
Std Dev 1.033

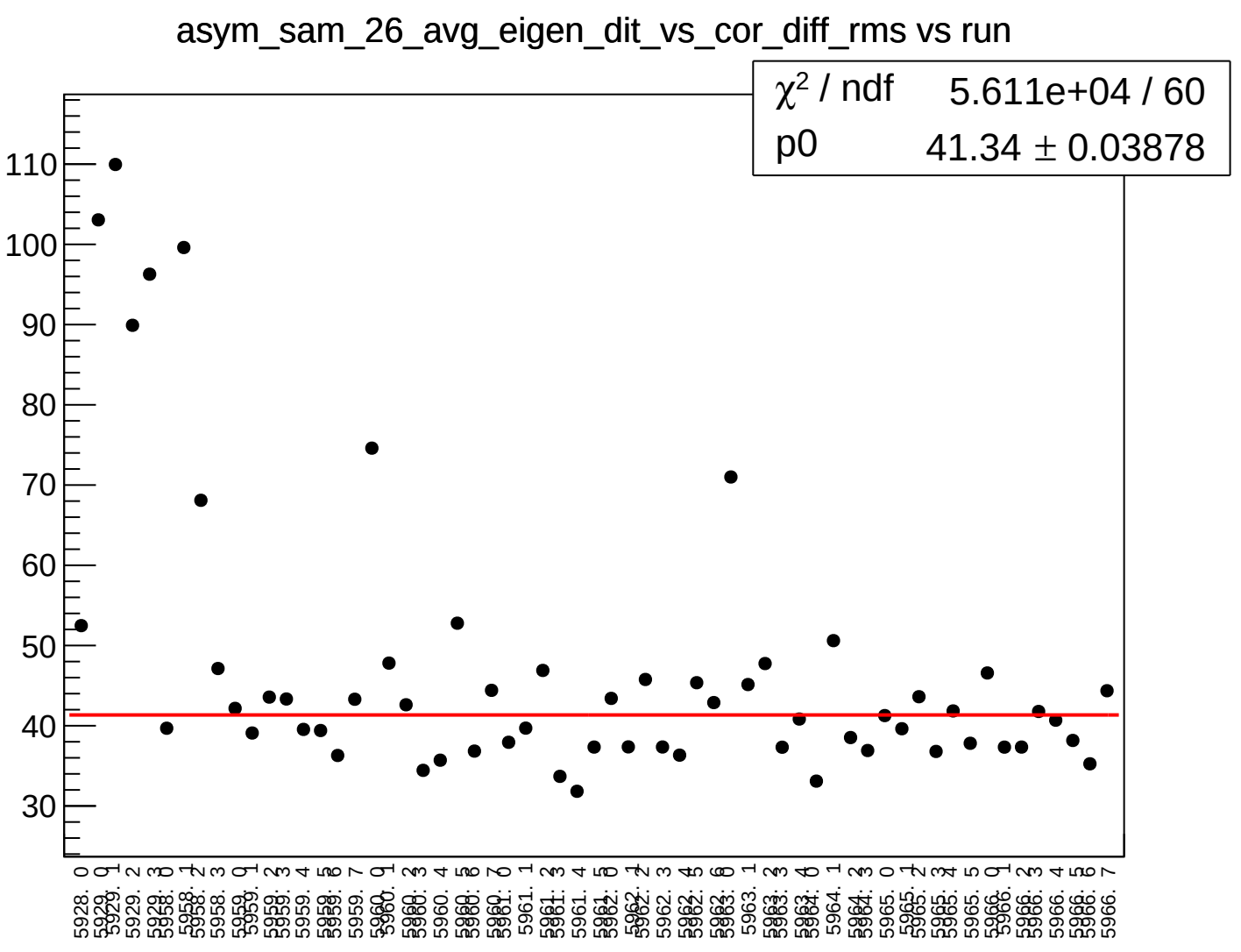

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.61e+04 / 60
p0 41.34 ± 0.03878
110
100
90
80
70
60
50
40
30

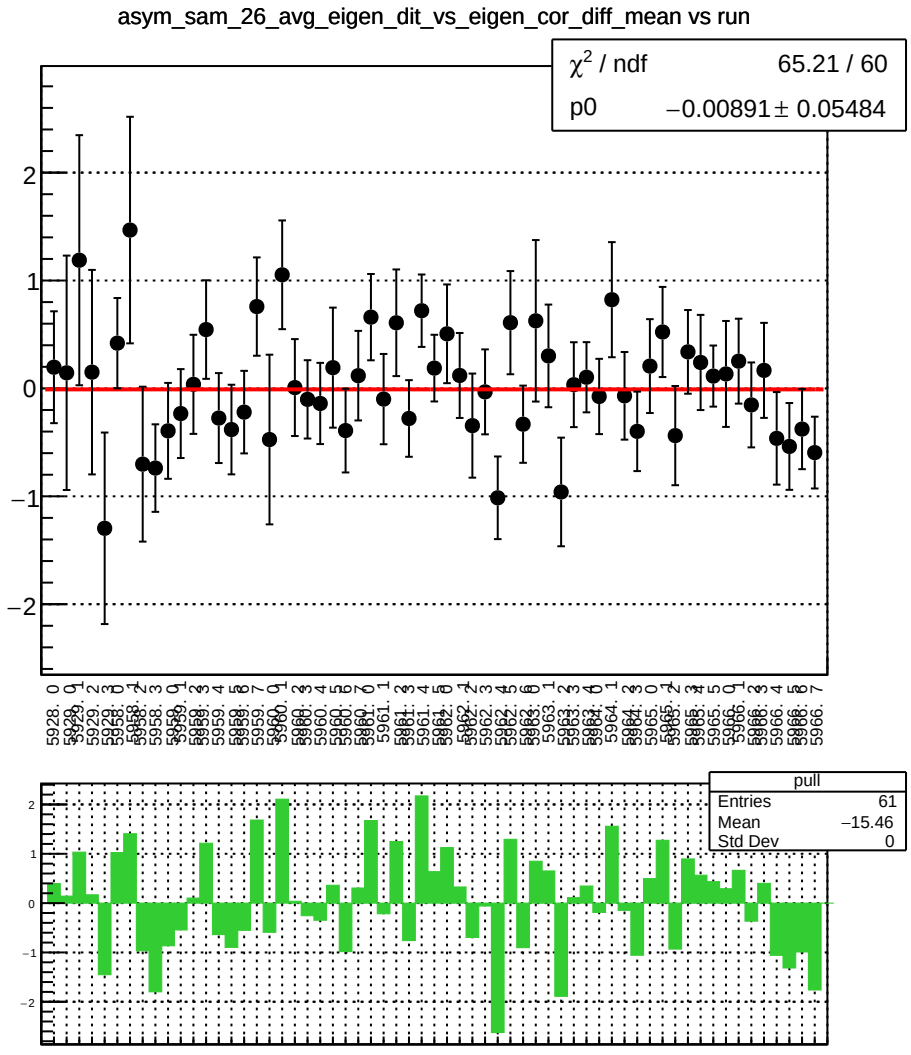

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 66.87 / 60
p0 4.824e−06 ± 7.547e−06
pull
Entries 61
Mean −152.4
Std Dev 0

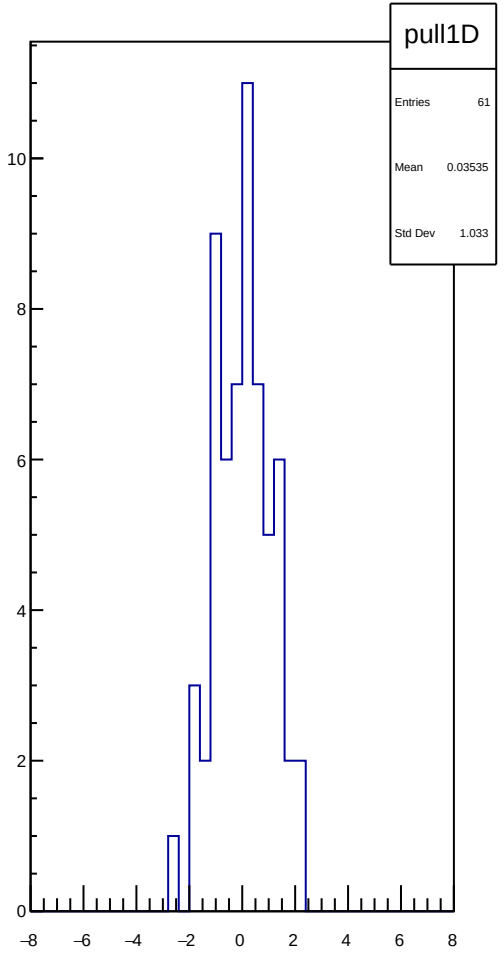

pull1D
Entries 61
Mean 0.007732
Std Dev 1.047

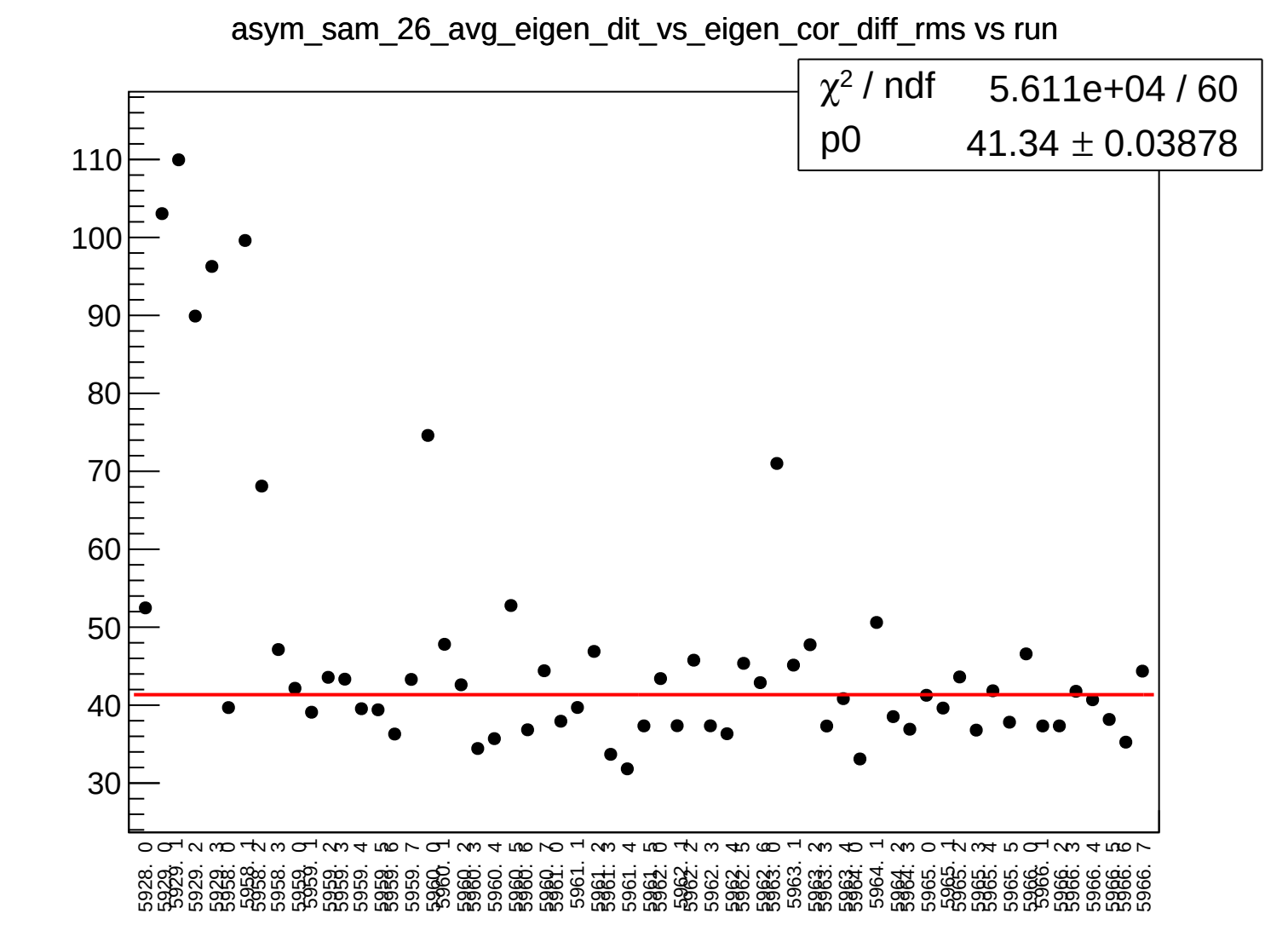

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.586e+04 / 60
p0 0.00574 ± 5.337e−06
0.014
0.012
0.01
0.008
0.006

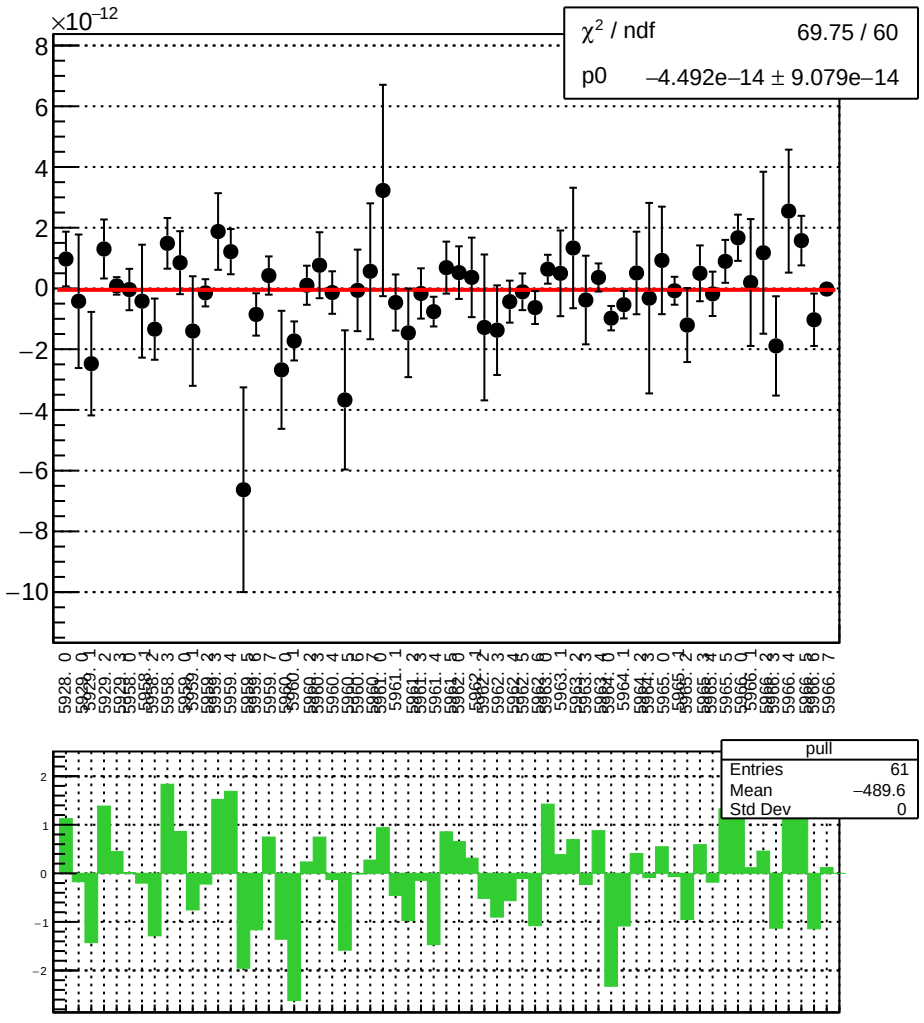

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.21 / 60
p0 −0.00891 ± 0.05484
pull
Entries 61
Mean −15.46
Std Dev 0
pull1D
Entries 61
Mean 0.03535
Std Dev 1.033

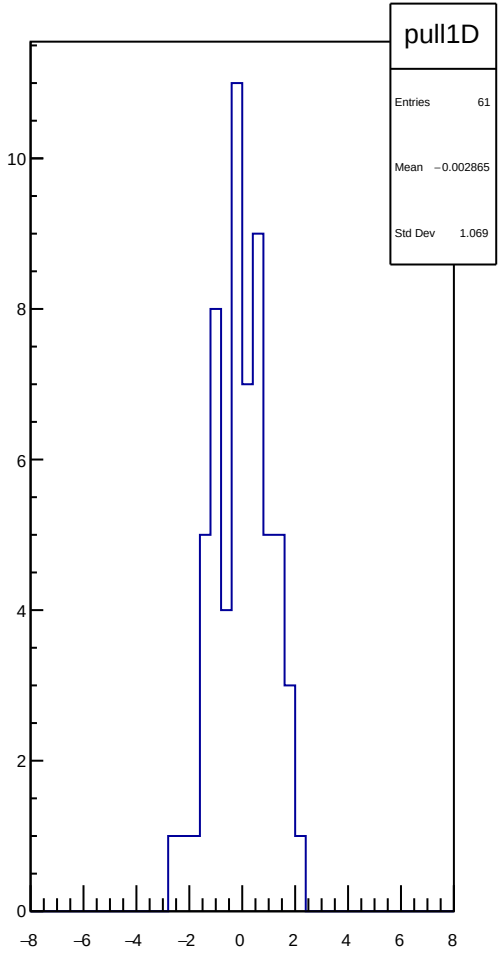

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.611e+04 / 60
p0 41.34 ± 0.03878
110
100
90
80
70
60
50
40
30

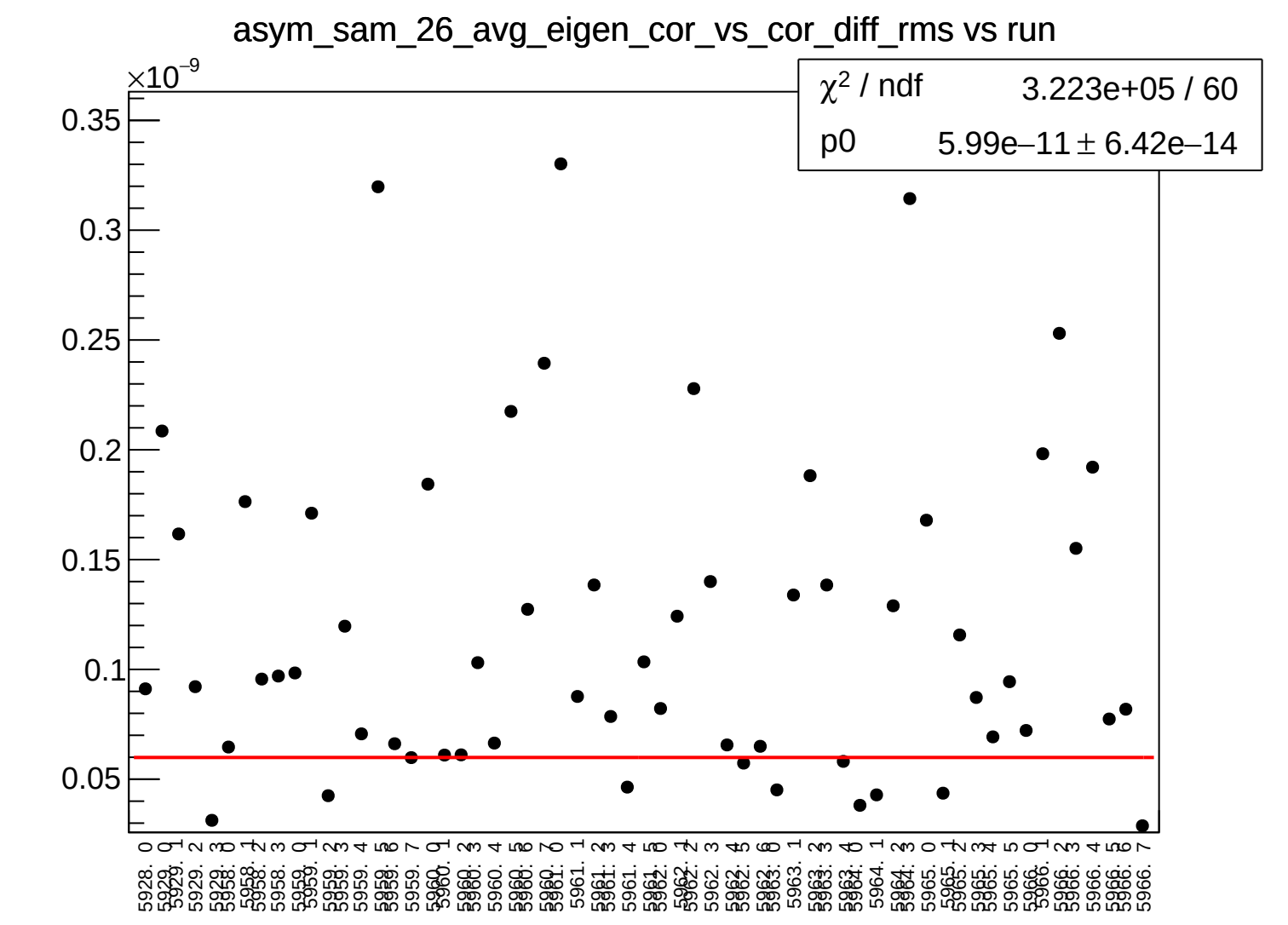

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.21 / 60
p0 −0.00891 ± 0.05484
pull
Entries 61
Mean −15.46
Std Dev 0

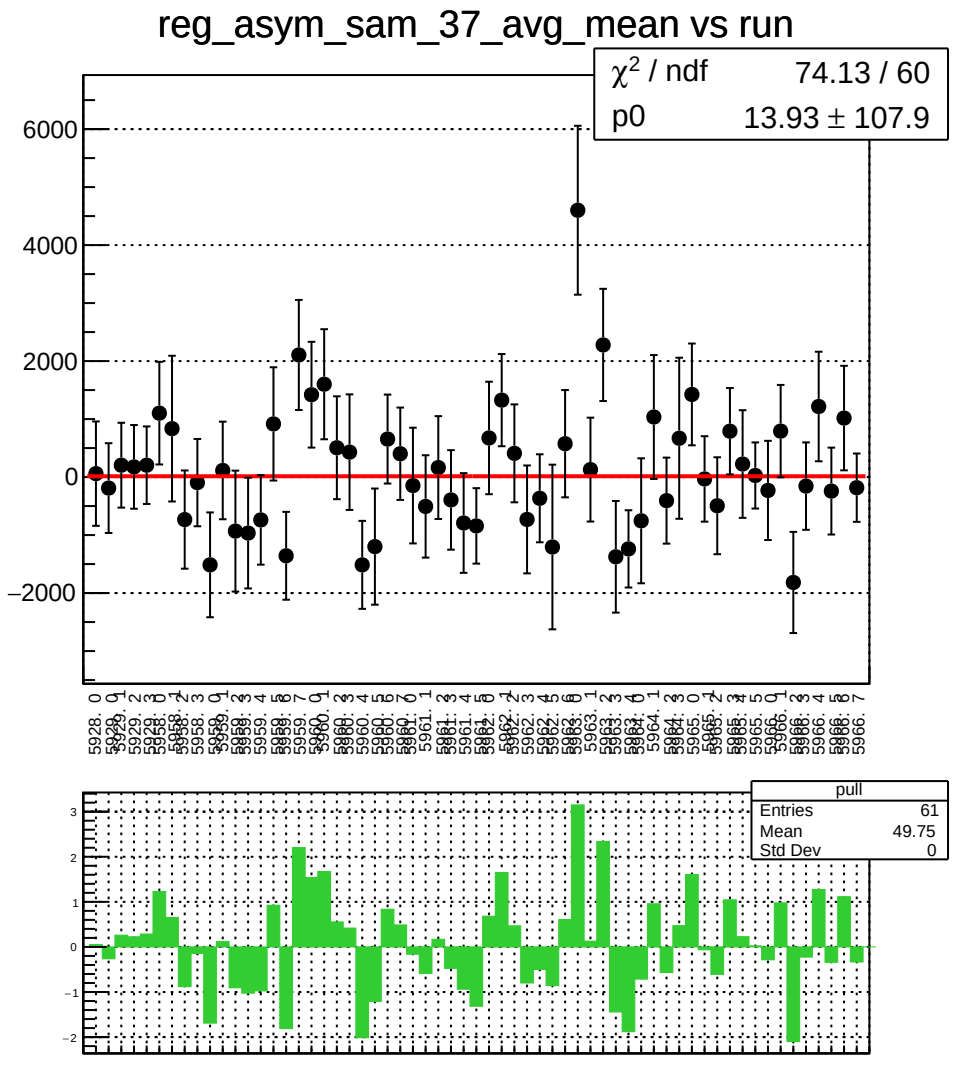

pull1D
Entries 61
Mean 0.03535
Std Dev 1.033

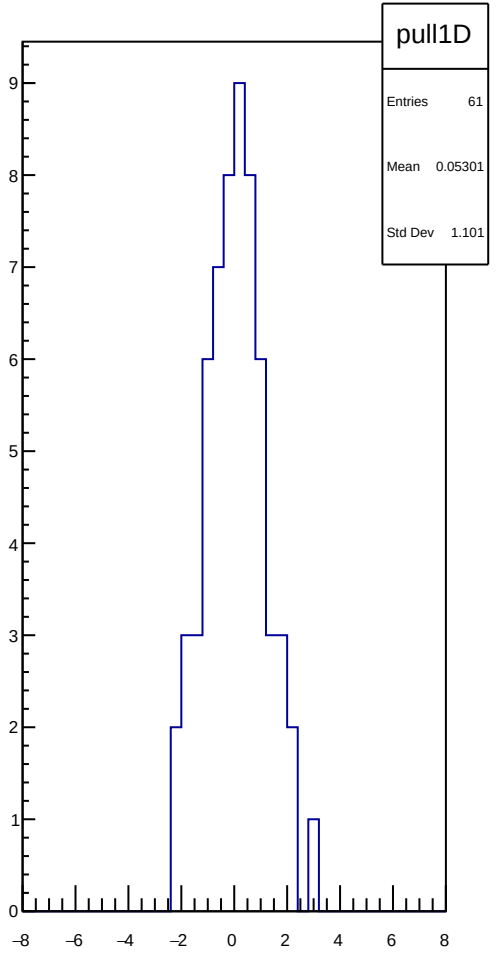

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.611e+04 / 60
p0 41.34 ± 0.03878
110
100
90
80
70
60
50
40
30

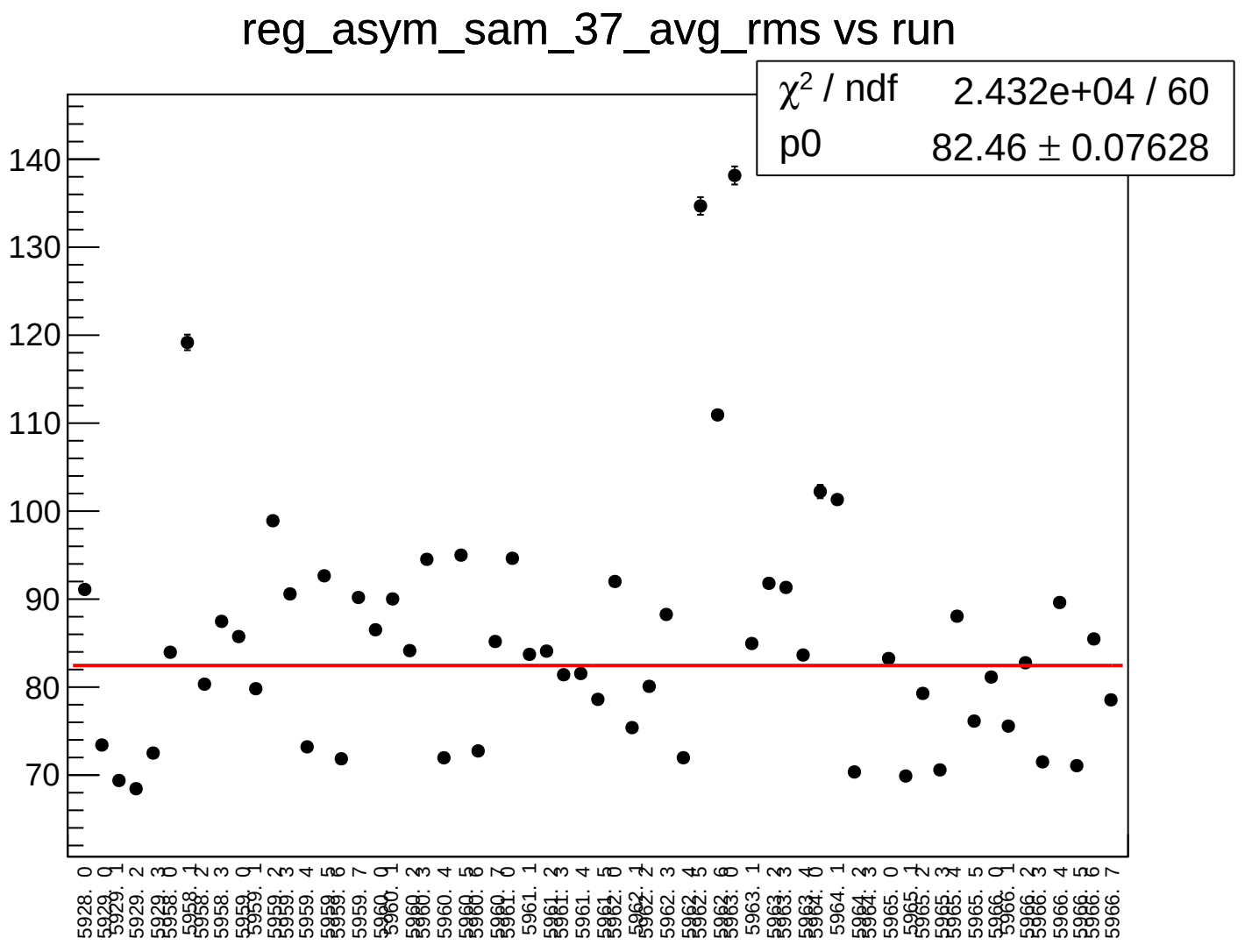

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.75 / 60
p0 −4.492e−14 ± 9.079e−14
pull
Entries 61
Mean −489.6
Std Dev 0

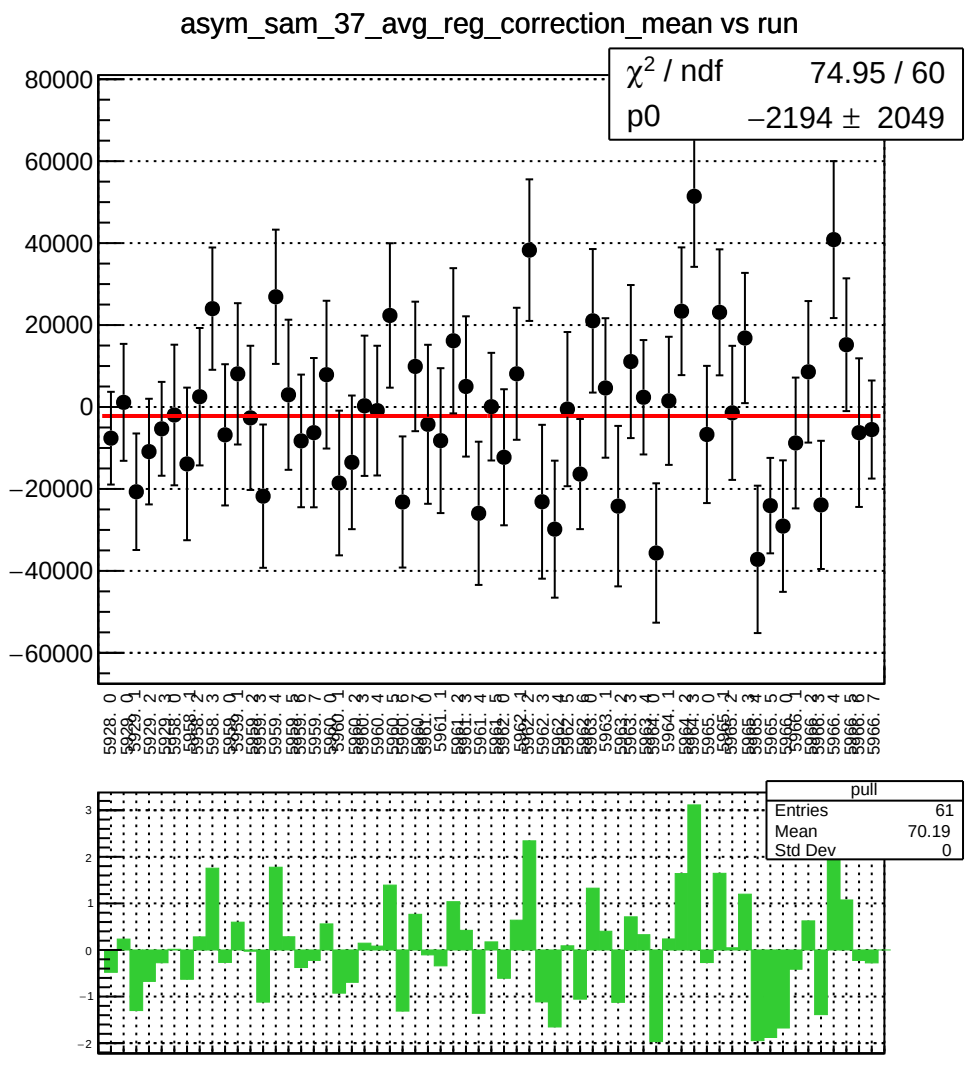

pull1D
Entries 61
Mean −0.002865
Std Dev 1.069

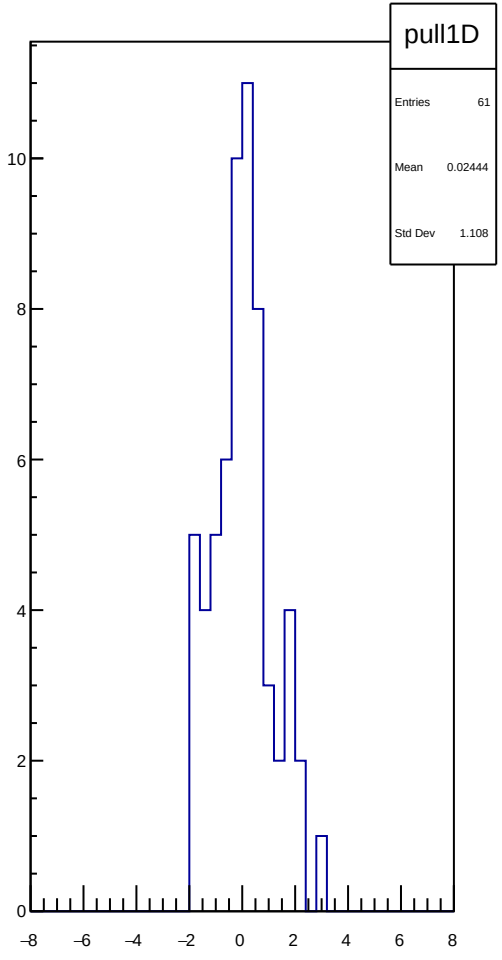

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.223e+05 / 60
p0 5.99e−11 ± 6.42e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

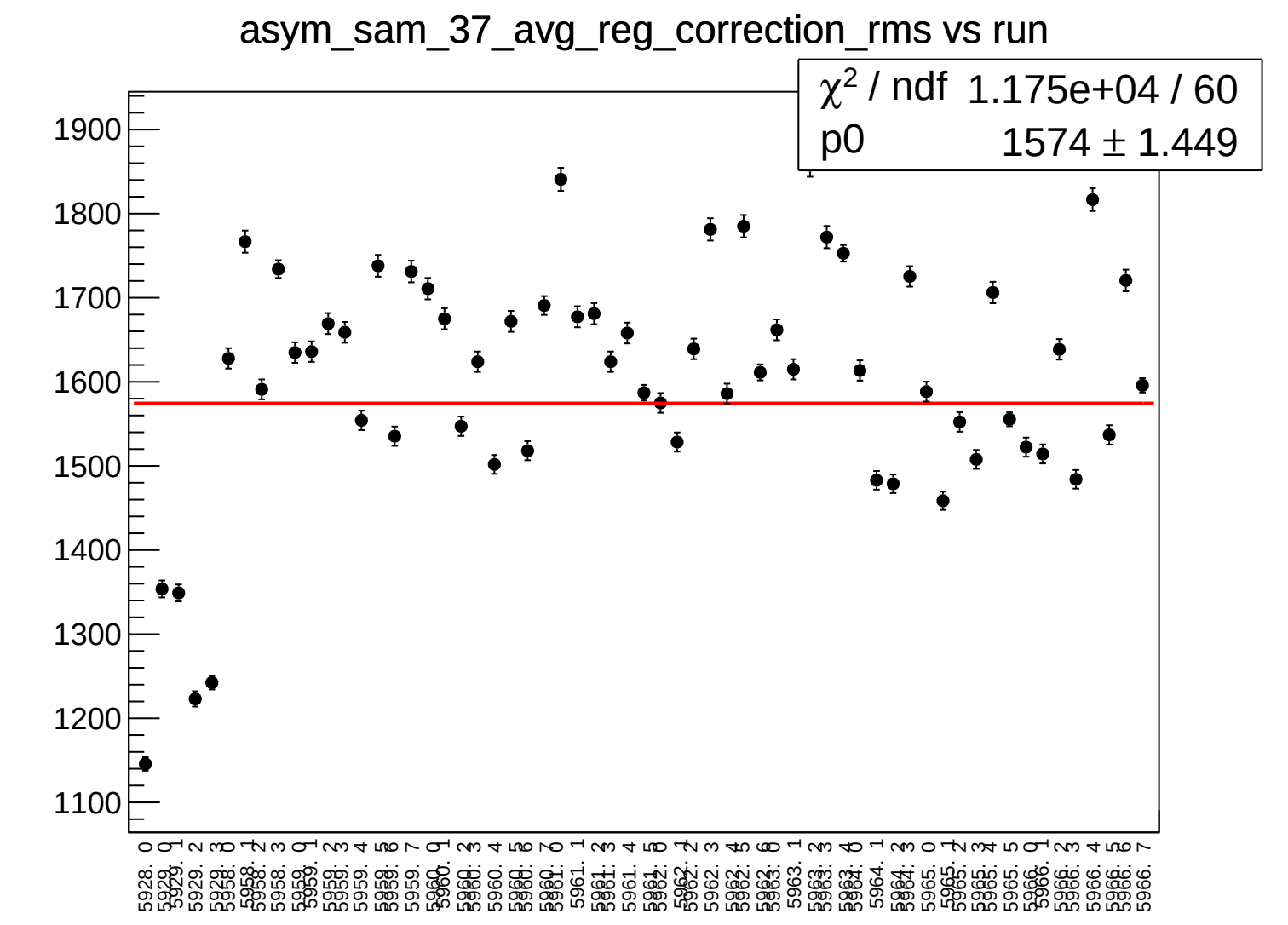

reg_asym_sam_37_avg_mean vs run
χ² / ndf 74.13 / 60
p0 13.93 ± 107.9
pull
Entries 61
Mean 49.75
Std Dev 0

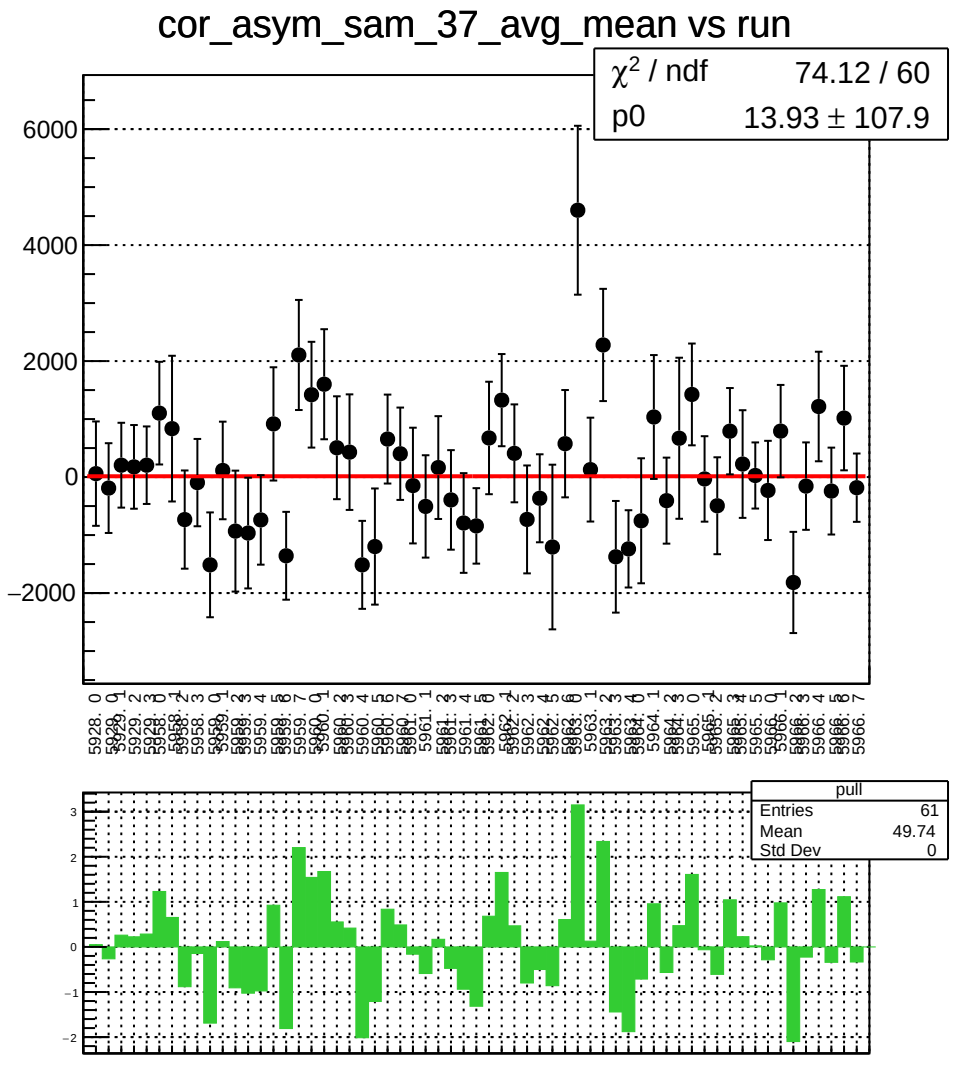

pull1D
Entries 61
Mean 0.05301
Std Dev 1.101

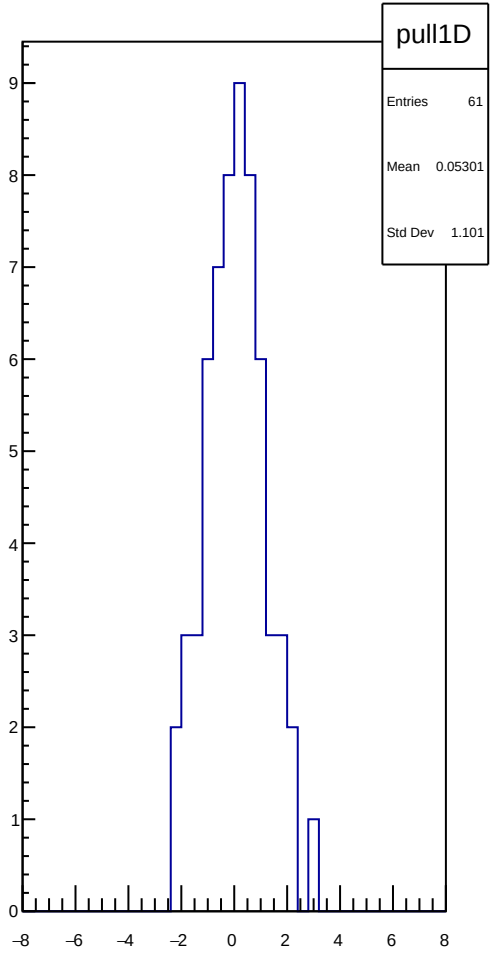

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2.432e+04 / 60
p0 82.46 ± 0.07628
140
130
120
110
100
90
80
70

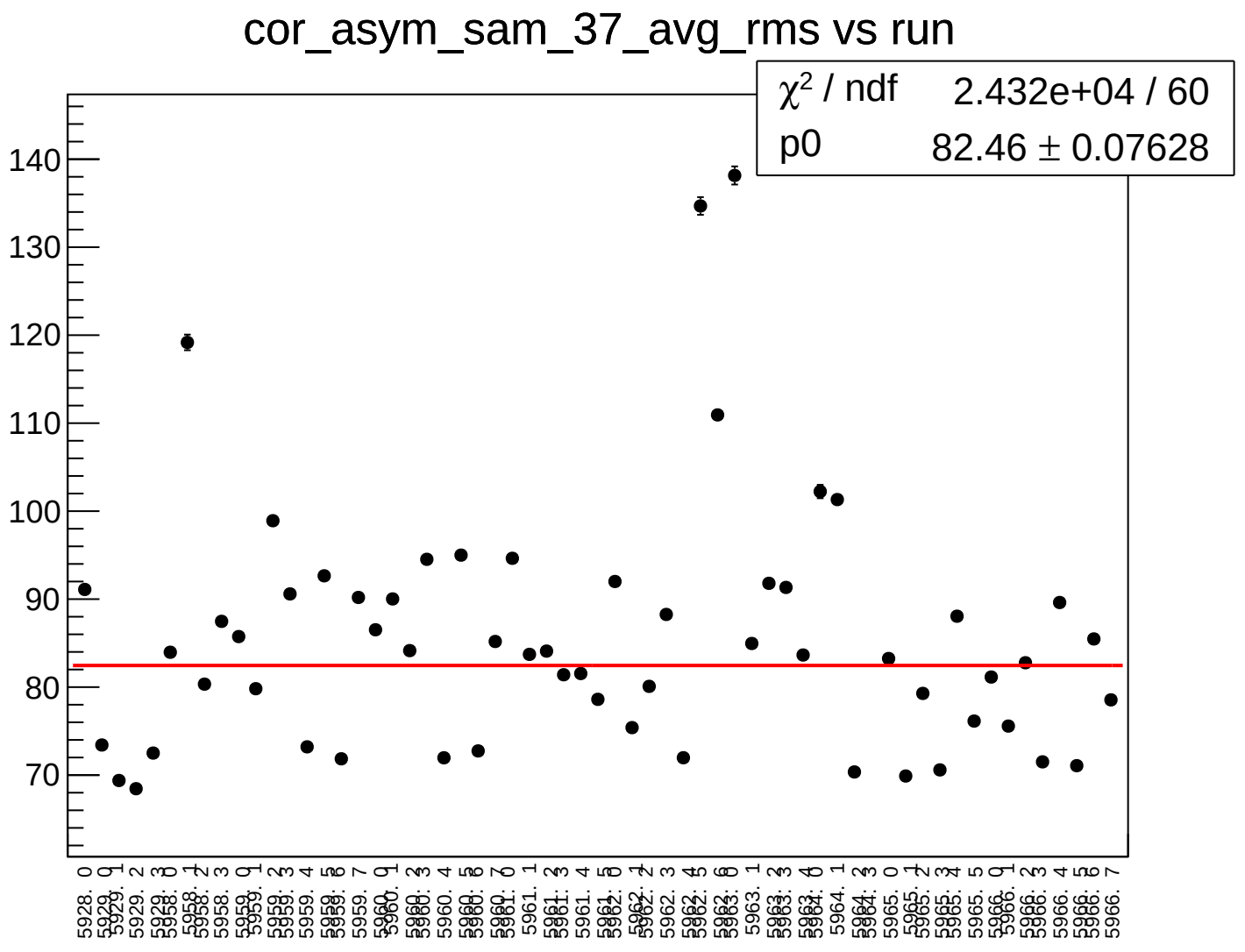

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 74.95 / 60
p0 −2194 ± 2049
pull
Entries 61
Mean 70.19
Std Dev 0

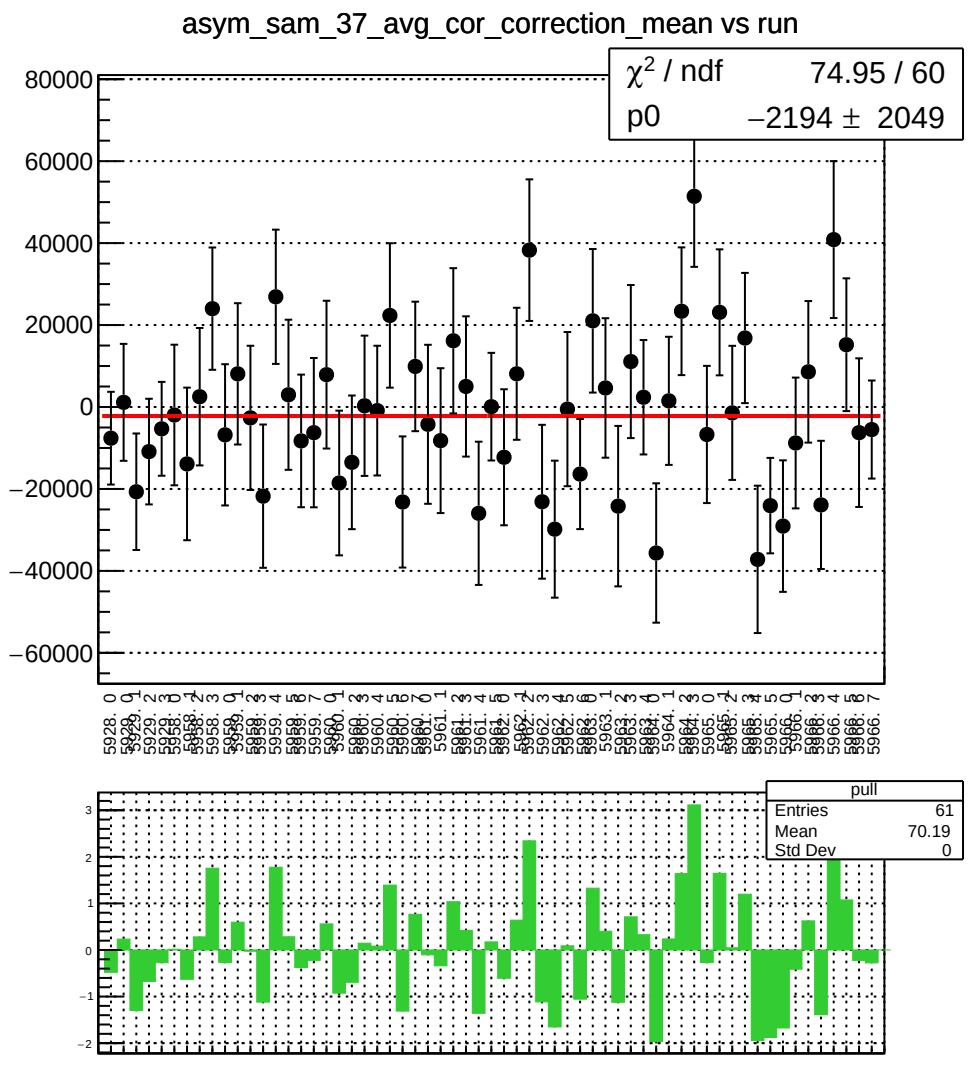

pull1D
Entries 61
Mean 0.02444
Std Dev 1.108

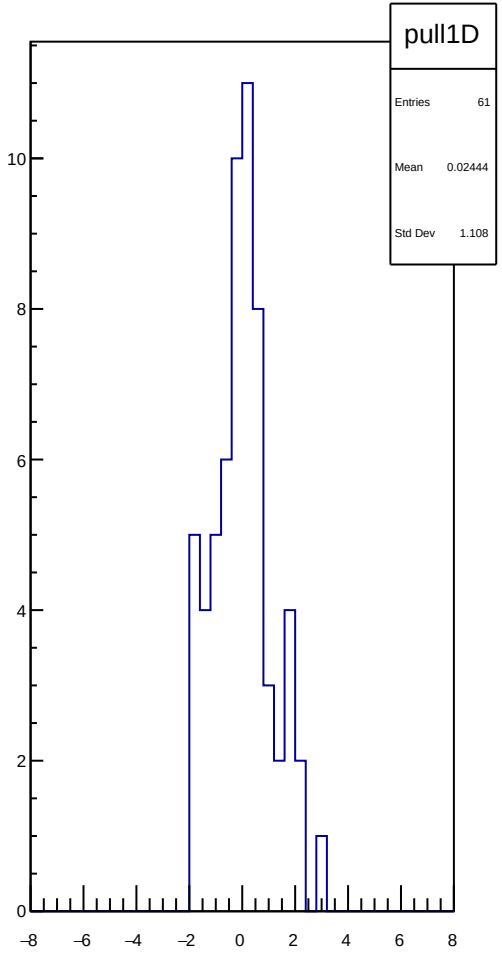

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1.175e+04 / 60
p0 1574 ± 1.449
1900
1800
1700
1600
1500
1400
1300
1200
1100

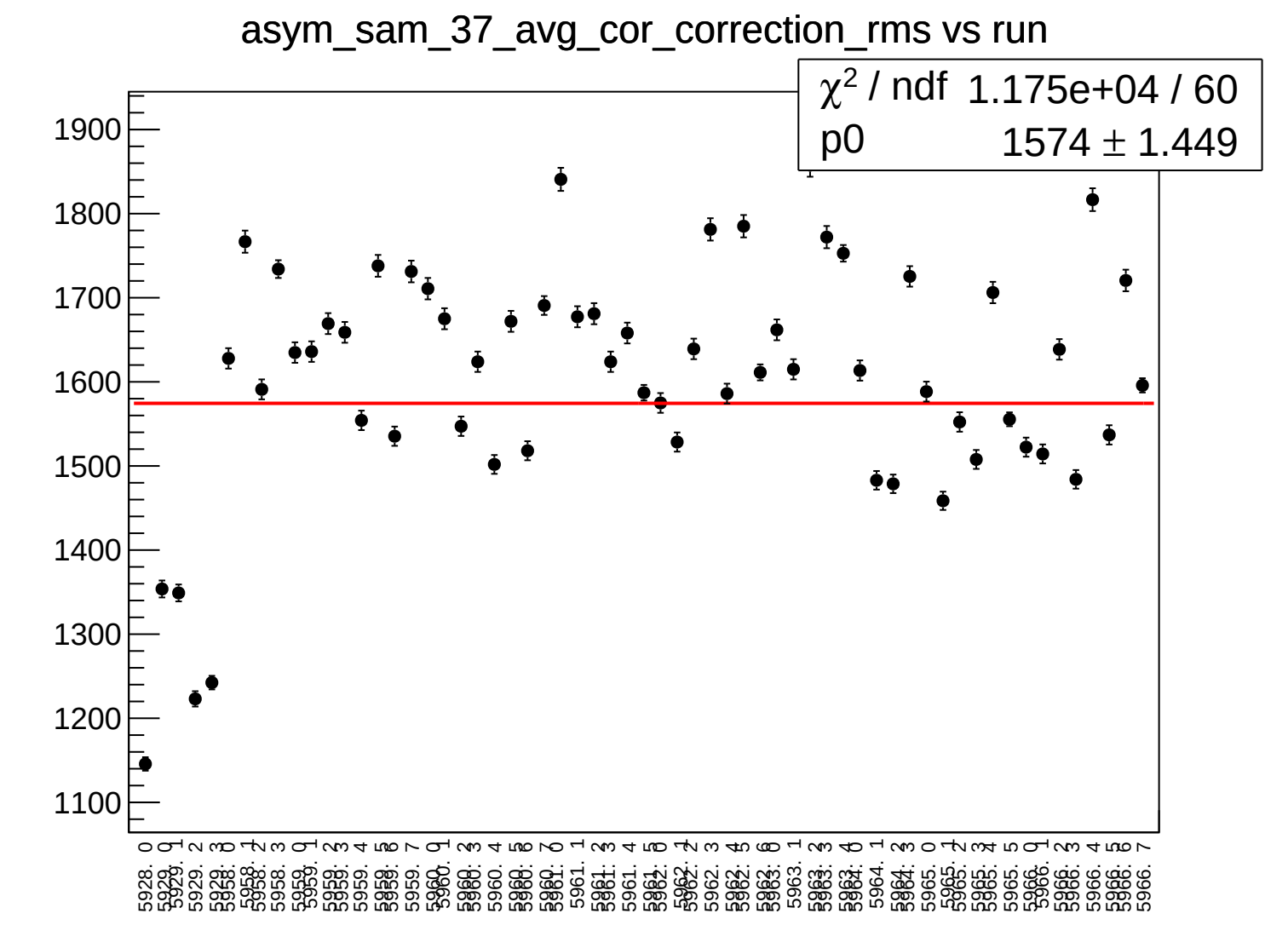

cor_asym_sam_37_avg_mean vs run
χ² / ndf 74.12 / 60
p0 13.93 ± 107.9
pull
Entries 61
Mean 49.74
Std Dev 0

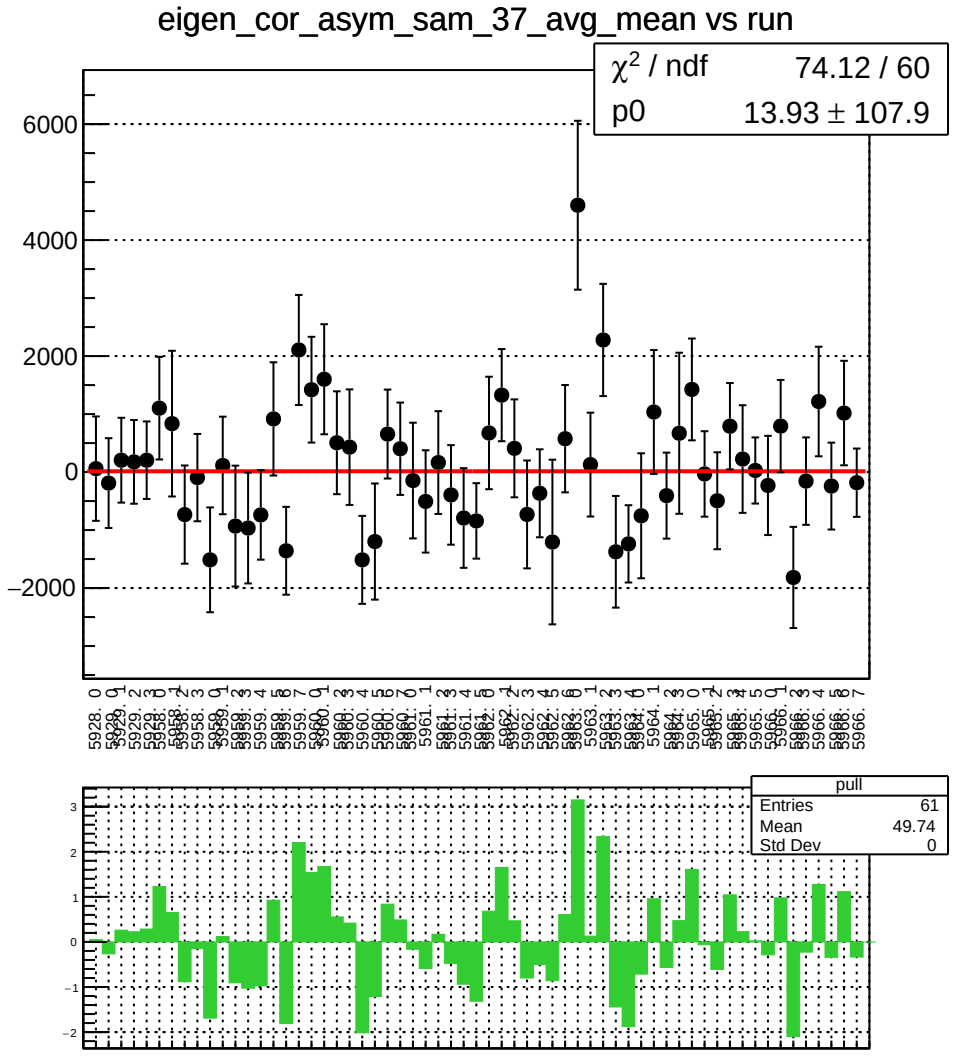

pull1D
Entries 61
Mean 0.05301
Std Dev 1.101

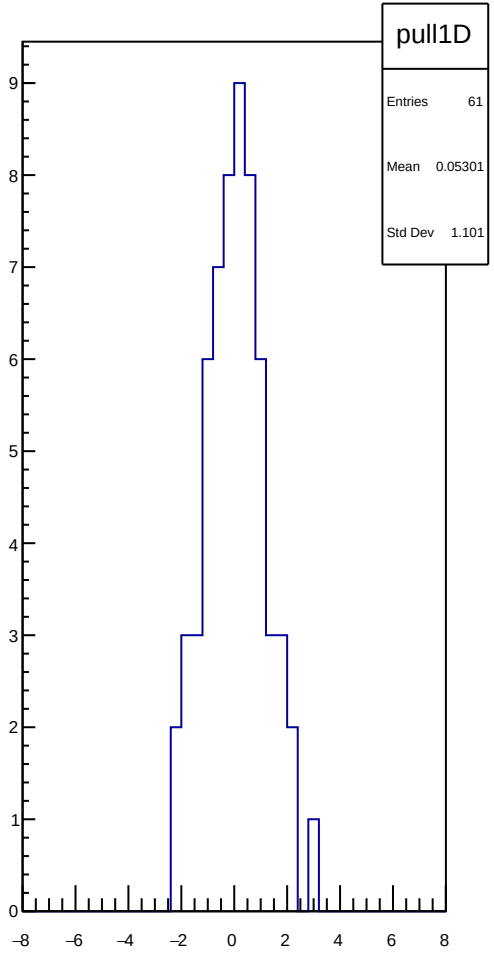

cor_asym_sam_37_avg_rms vs run
χ² / ndf 2.432e+04 / 60
p0 82.46 ± 0.07628
140
130
120
110
100
90
80
70

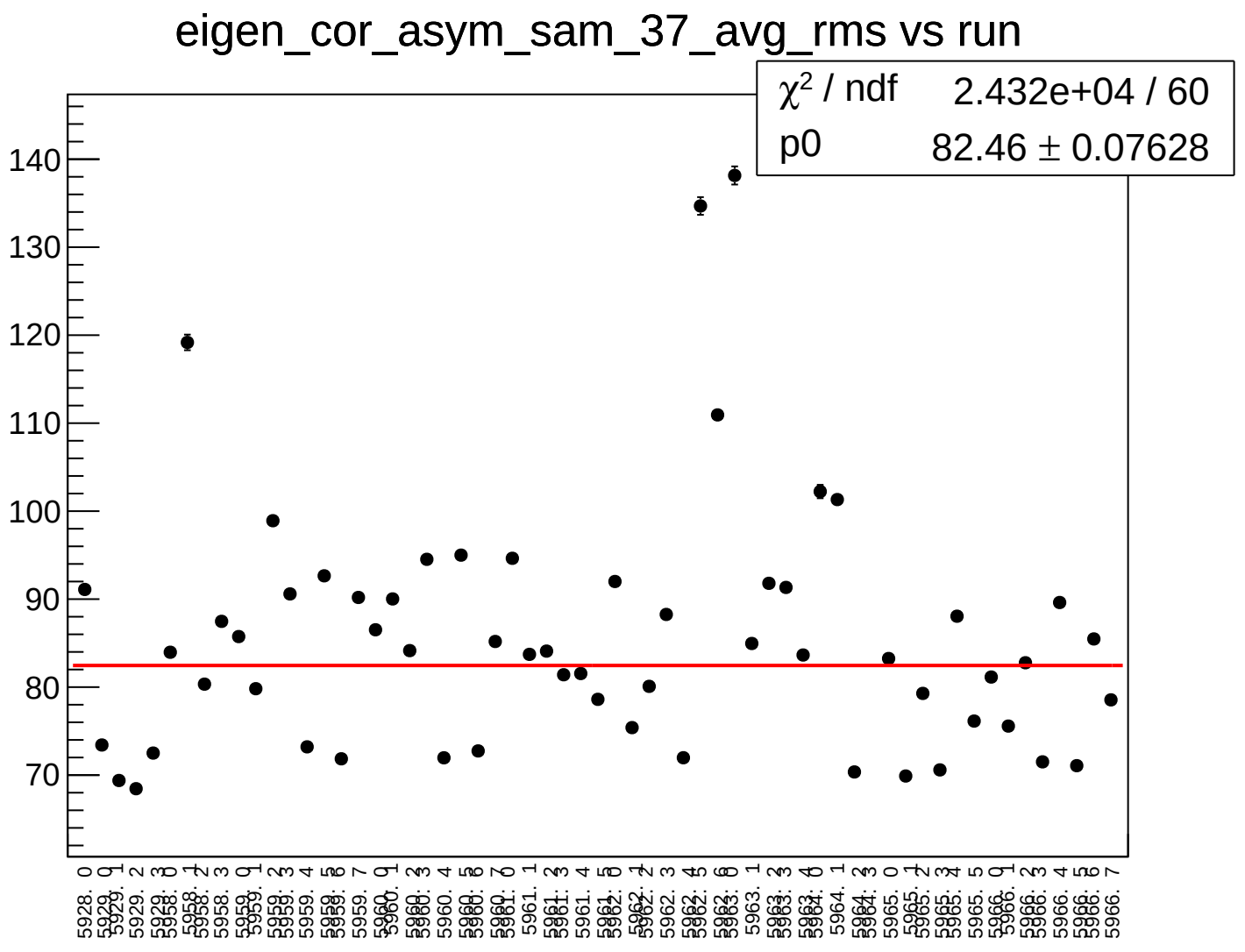

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 74.95 / 60
p0 −2194 ± 2049
pull
Entries 61
Mean 70.19
Std Dev 0

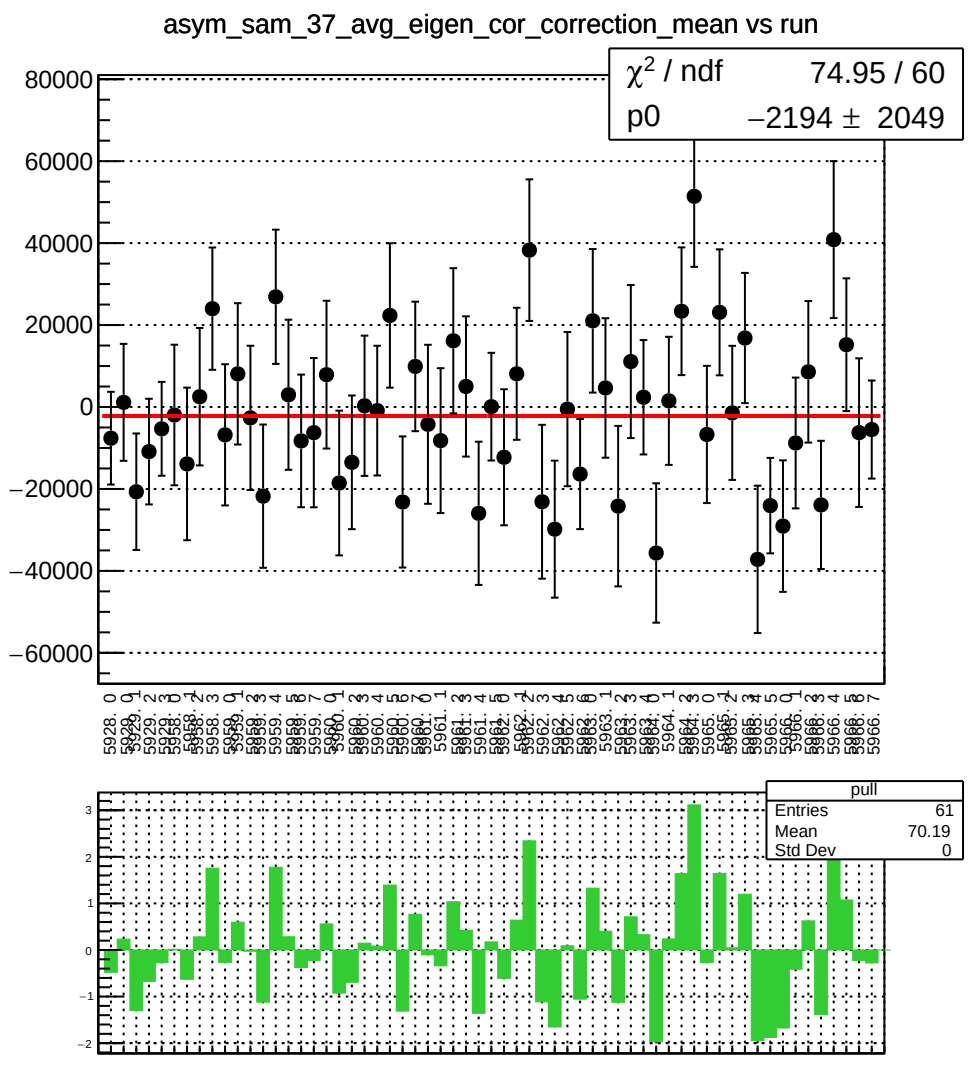

pull1D
Entries 61
Mean 0.02444
Std Dev 1.108

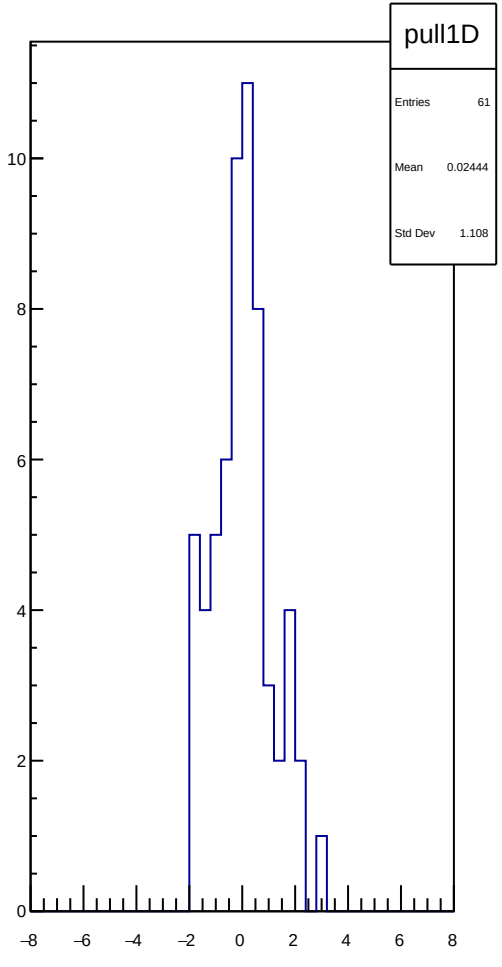

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 1.175e+04 / 60
p0 1574 ± 1.449
1900
1800
1700
1600
1500
1400
1300
1200
1100

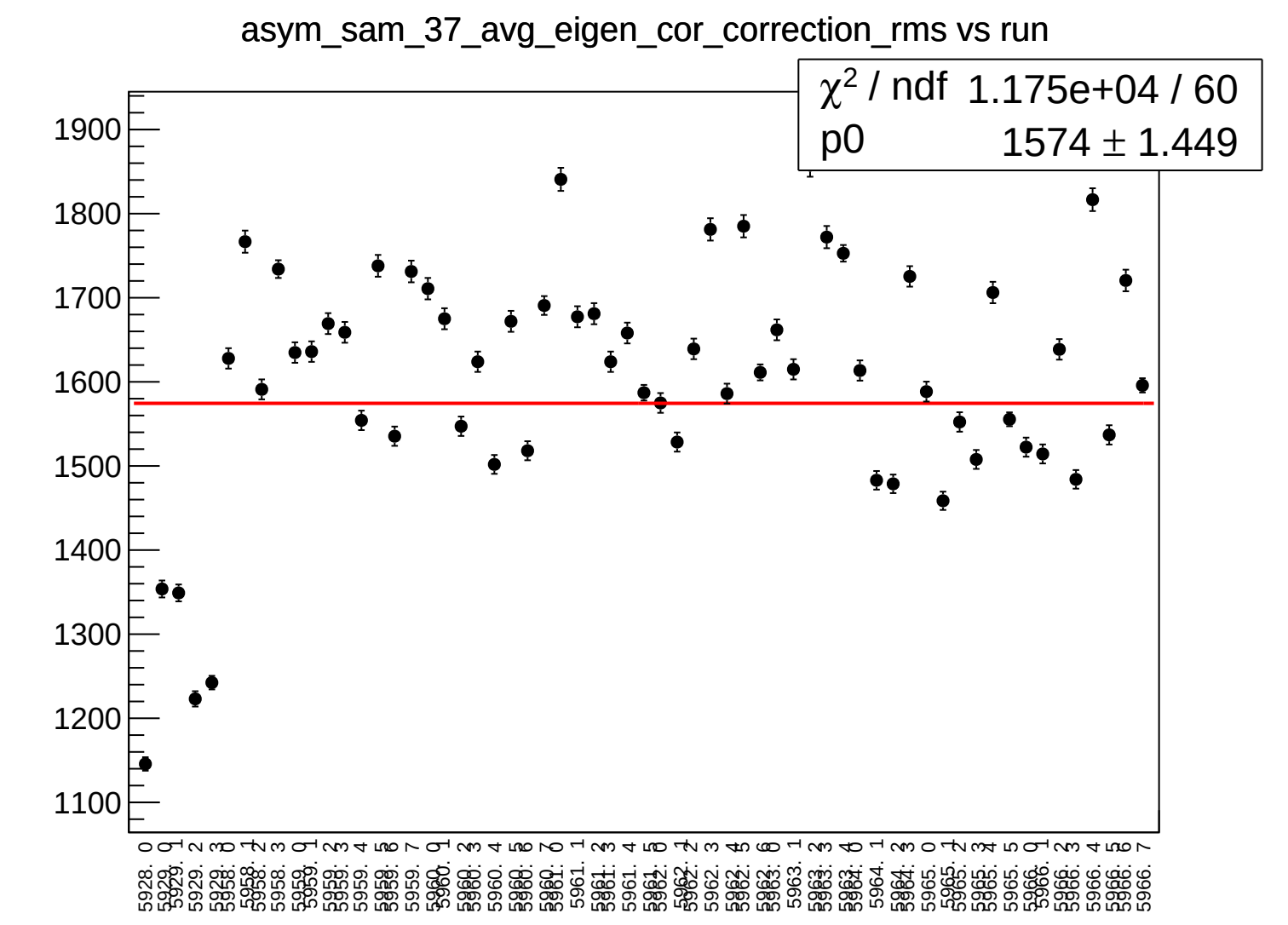

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 74.12 / 60
p0 13.93 ± 107.9
6000
4000
2000
0
−2000
pull
Entries 61
Mean 49.74
Std Dev 0
3
2
1
0
−1
−2

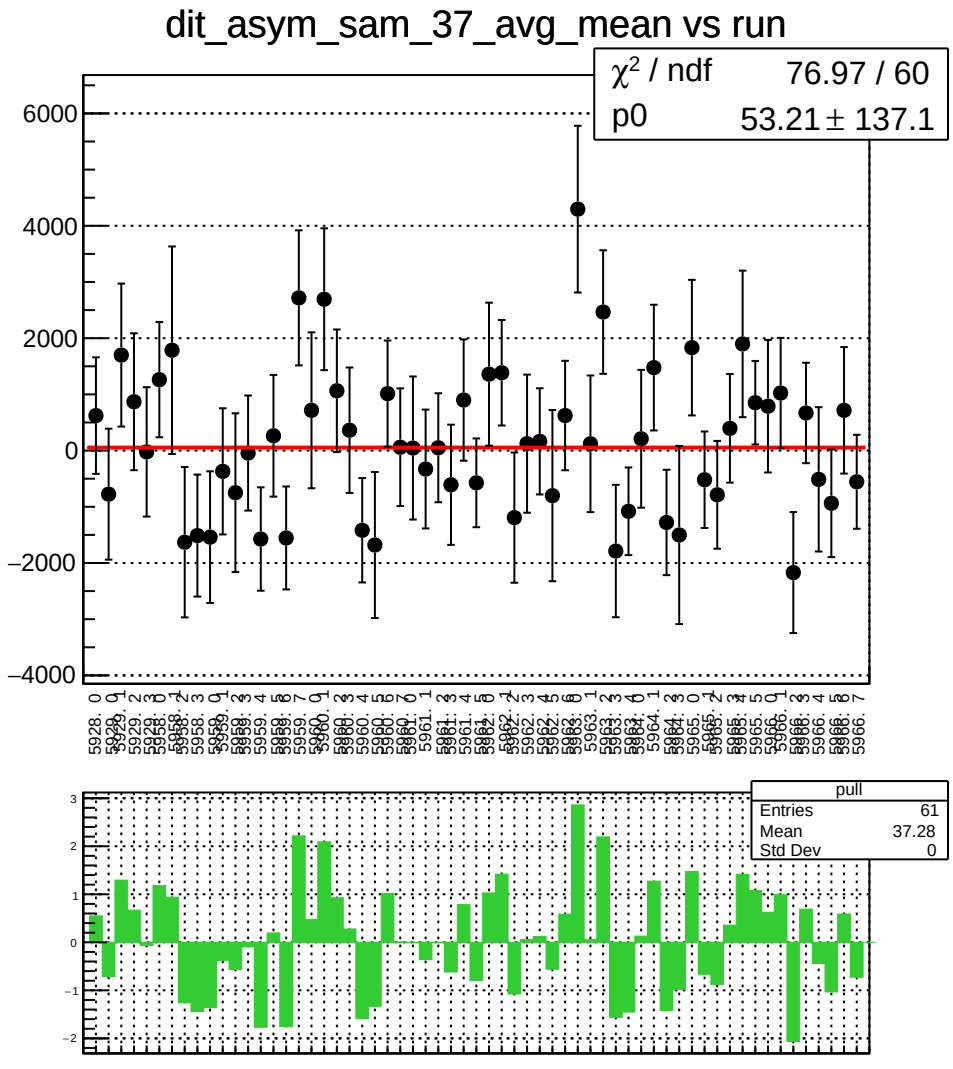

pull1D
Entries 61
Mean 0.05301
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

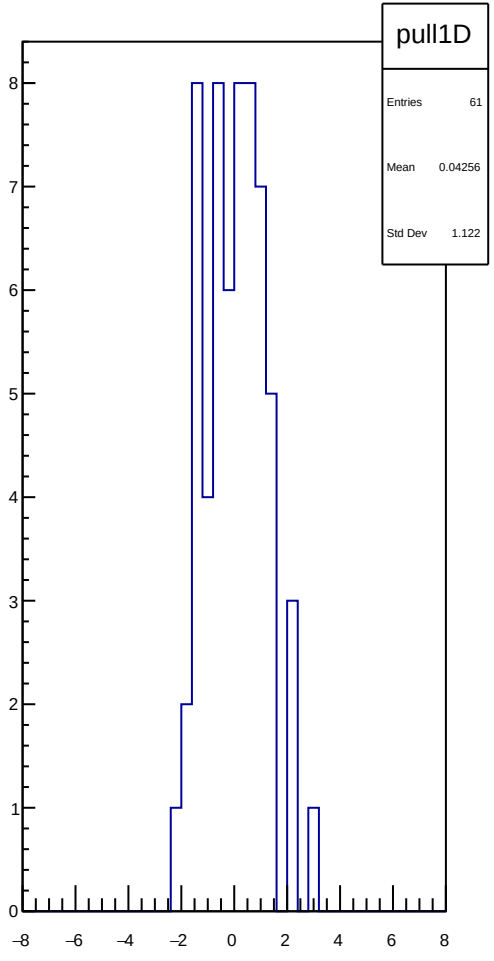

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 2.432e+04 / 60
p0 82.46 ± 0.07628
140
130
120
110
100
90
80
70

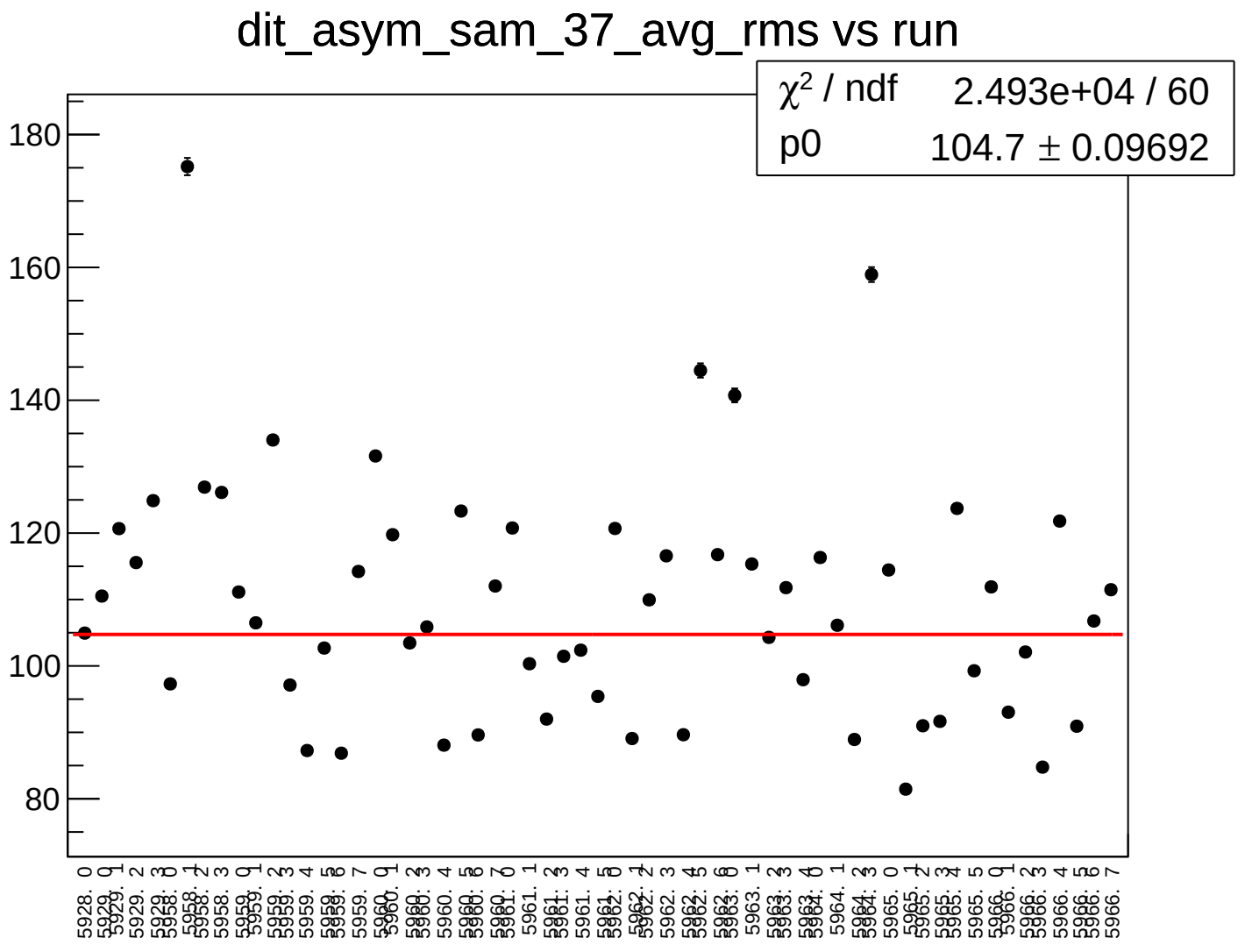

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 74.95 / 60
p0 −2194 ± 2049
pull
Entries 61
Mean 70.19
Std Dev 0

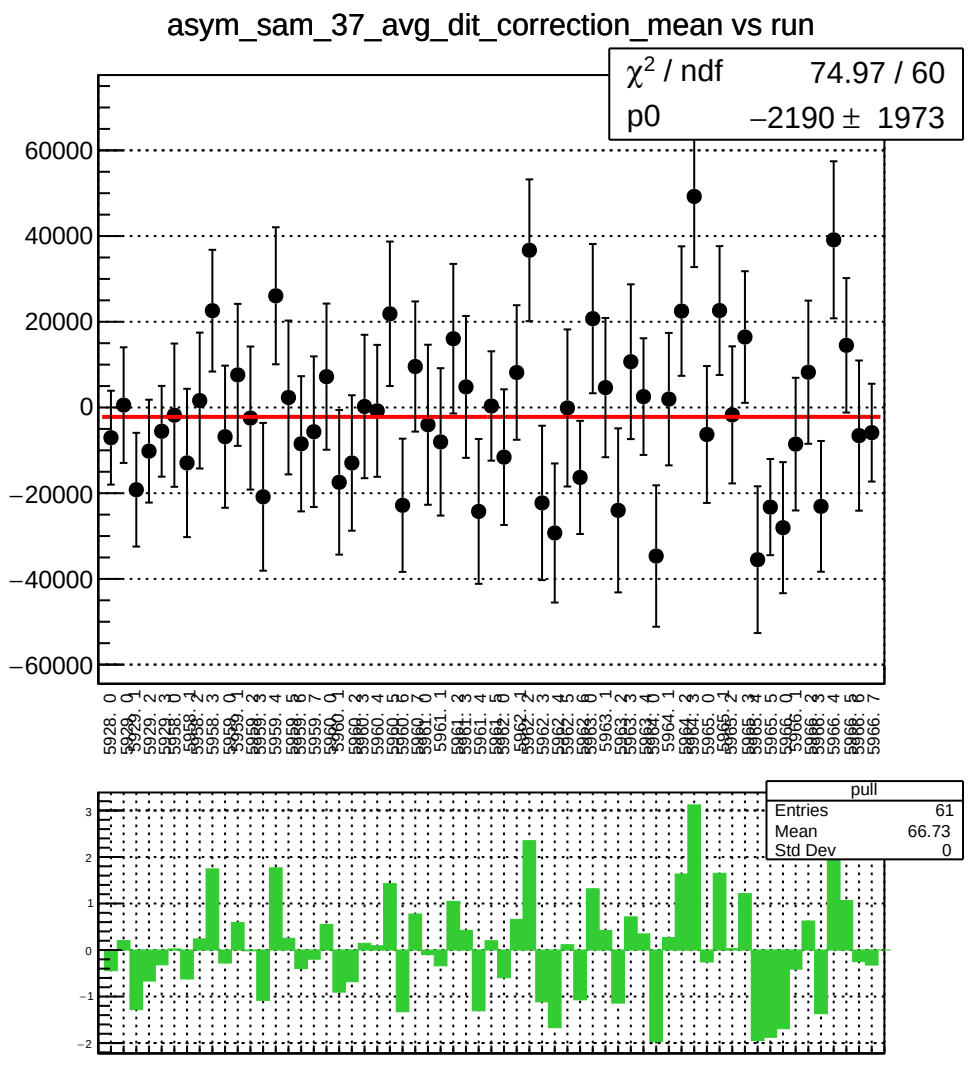

pull1D
Entries 61
Mean 0.02444
Std Dev 1.108

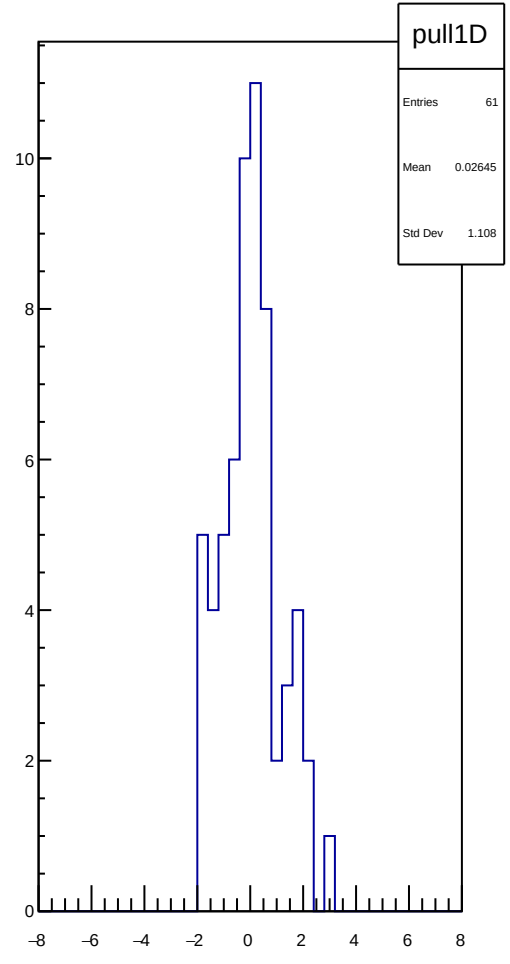

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.175e+04 / 60
p0 1574 ± 1.449
1900
1800
1700
1600
1500
1400
1300
1200
1100

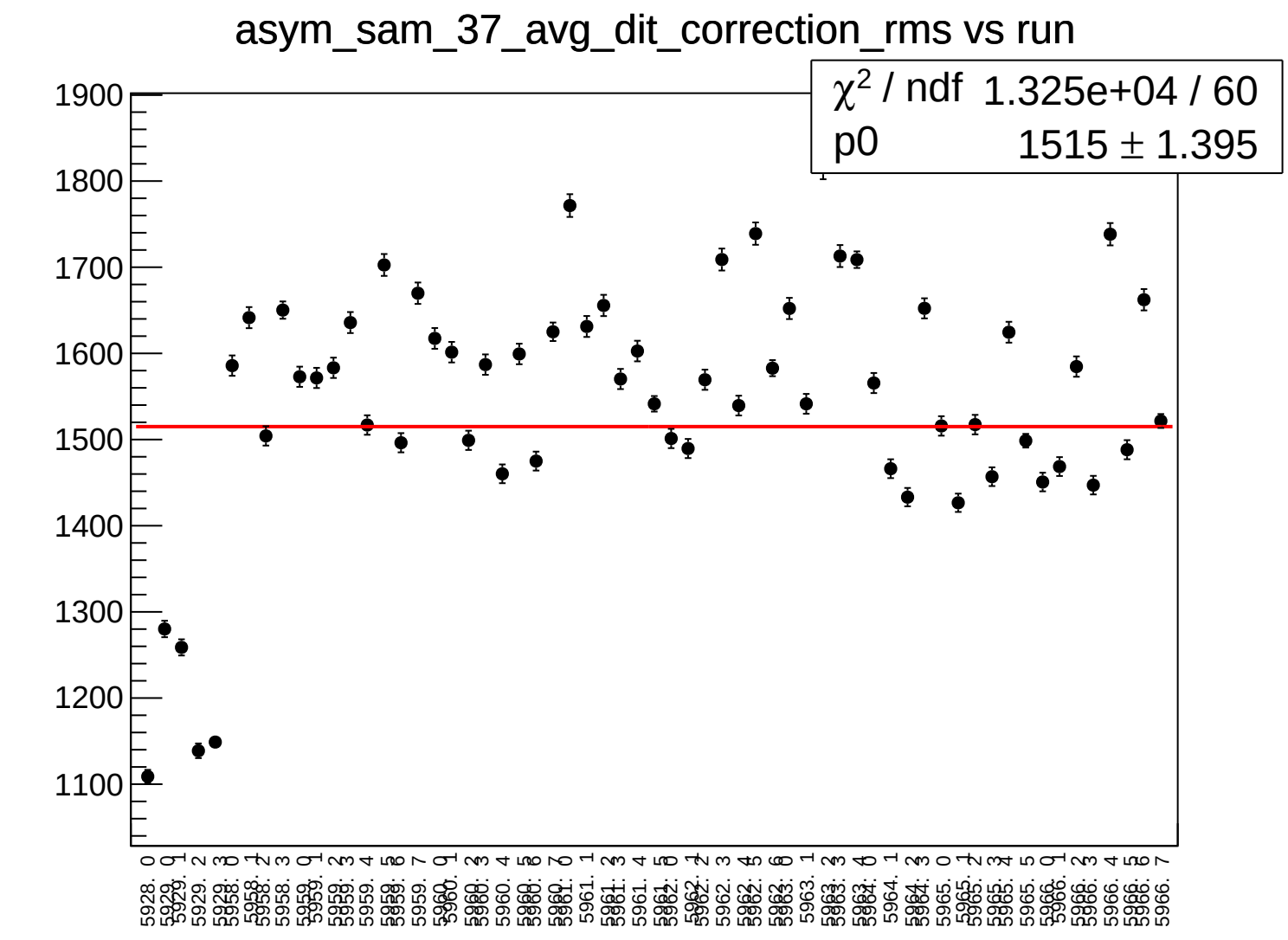

dit_asym_sam_37_avg_mean vs run
χ² / ndf 76.97 / 60
p0 53.21 ± 137.1
pull
Entries 61
Mean 37.28
Std Dev 0

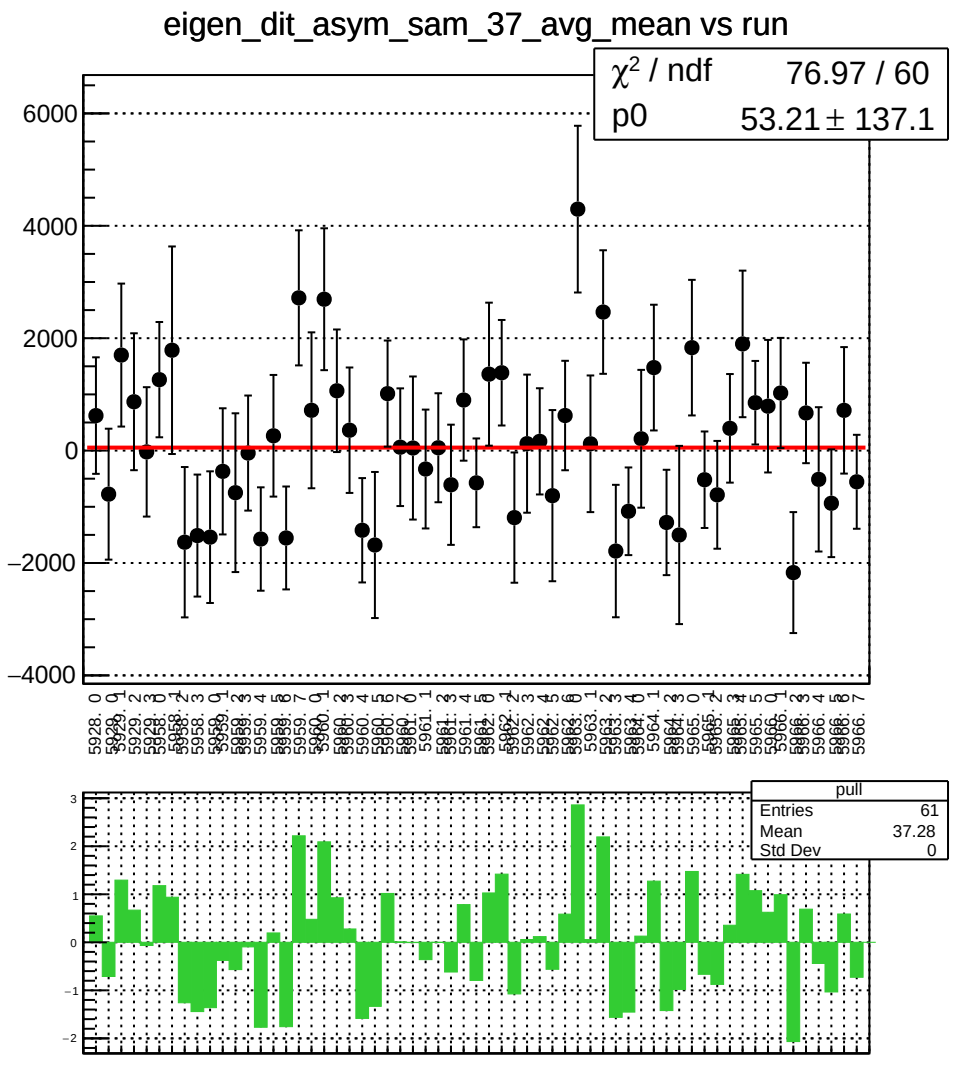

pull1D
Entries 61
Mean 0.04256
Std Dev 1.122

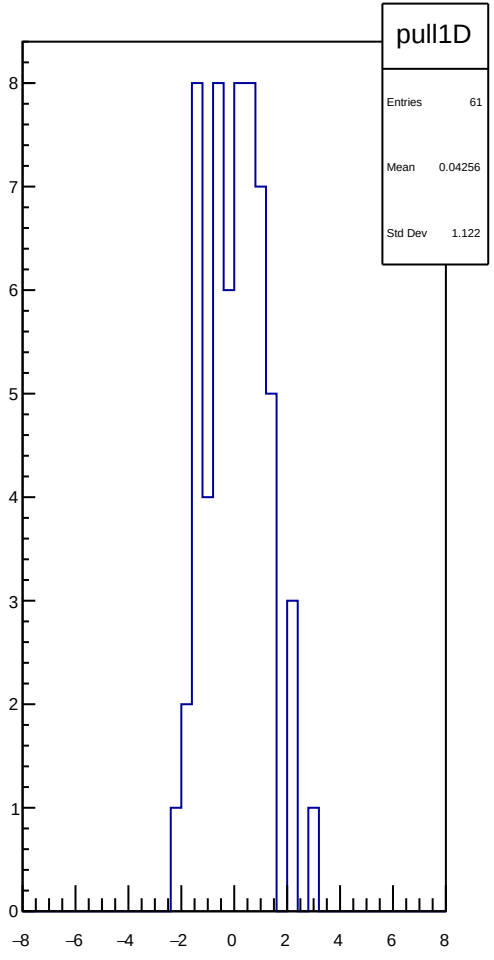

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.493e+04 / 60
p0 104.7 ± 0.09692
180
160
140
120
100
80

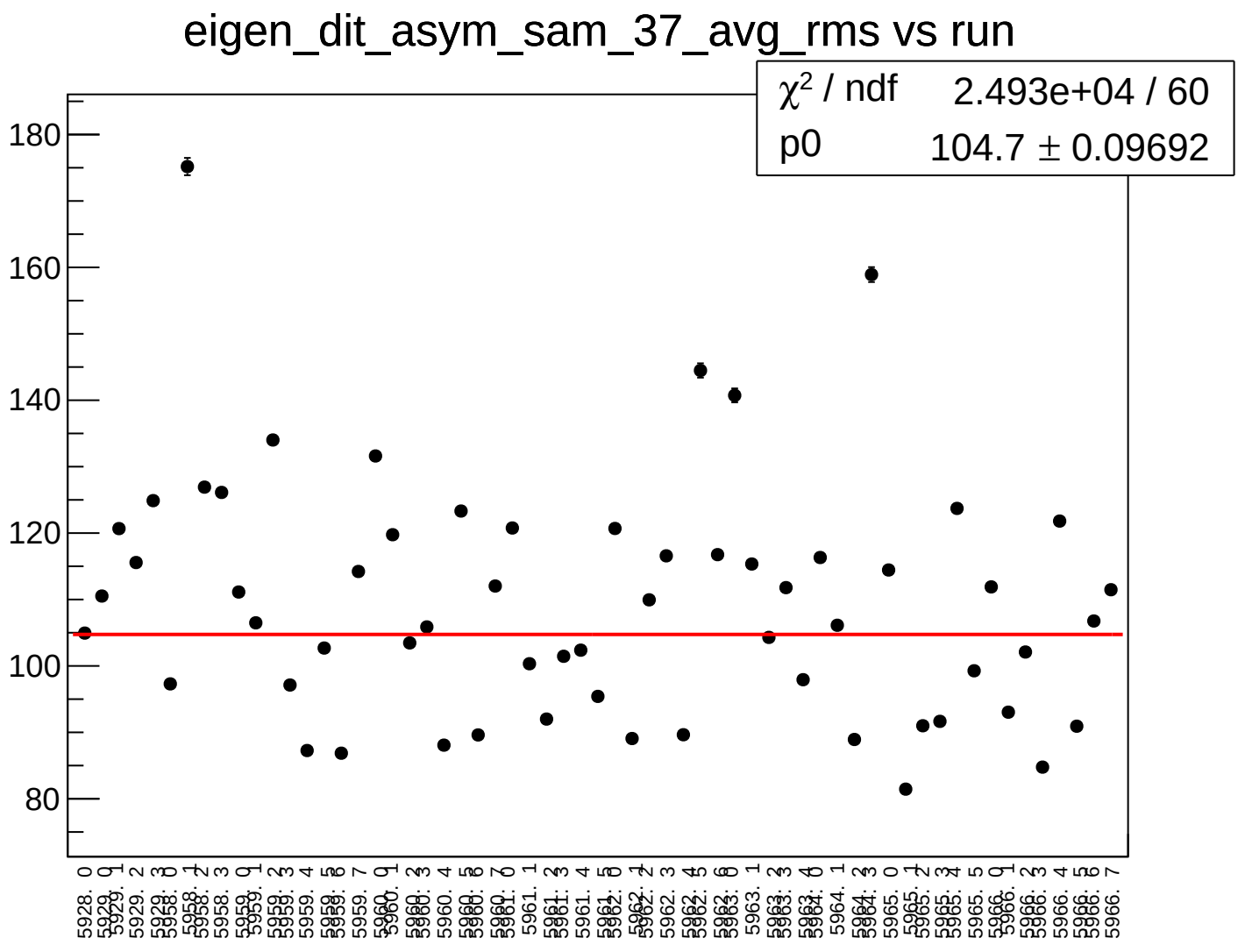

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 74.97 / 60
p0 −2190 ± 1973
pull
Entries 61
Mean 66.73
Std Dev 0

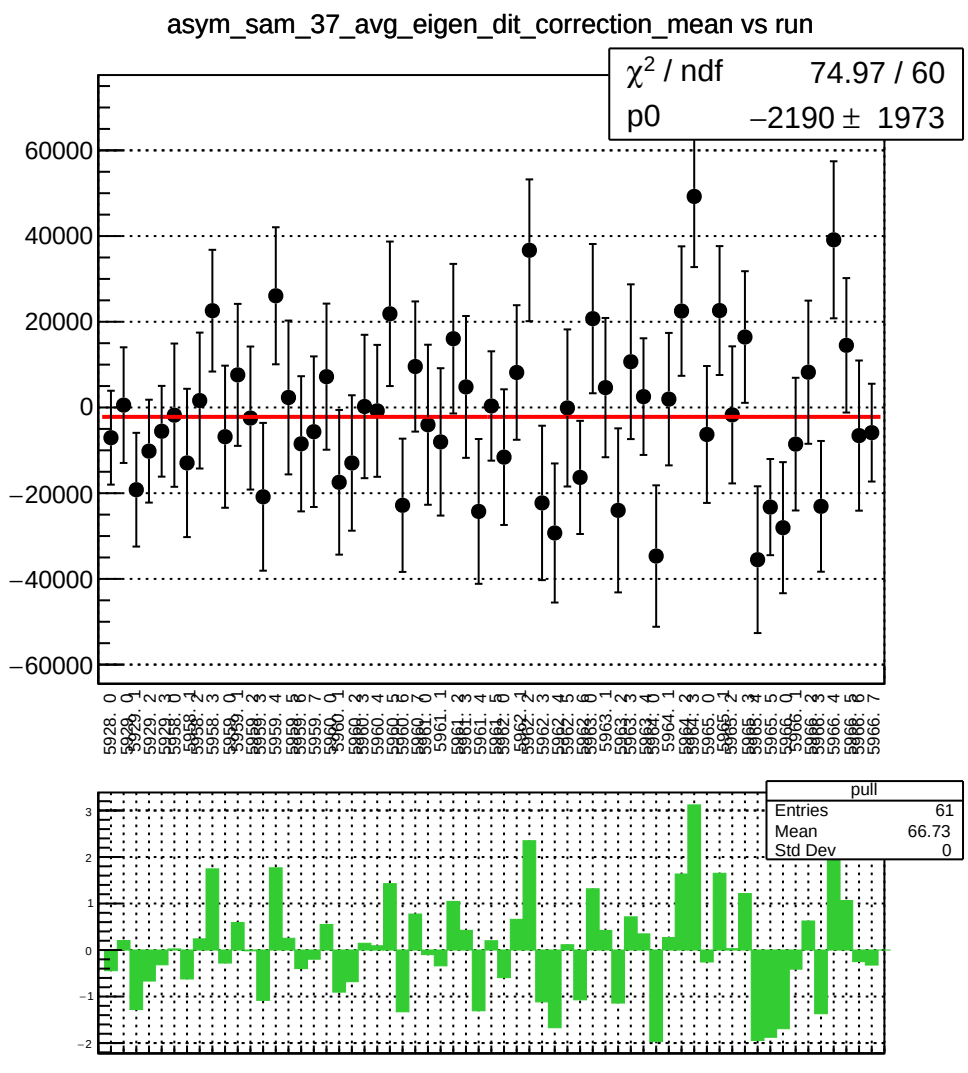

pull1D
Entries 61
Mean 0.02645
Std Dev 1.108

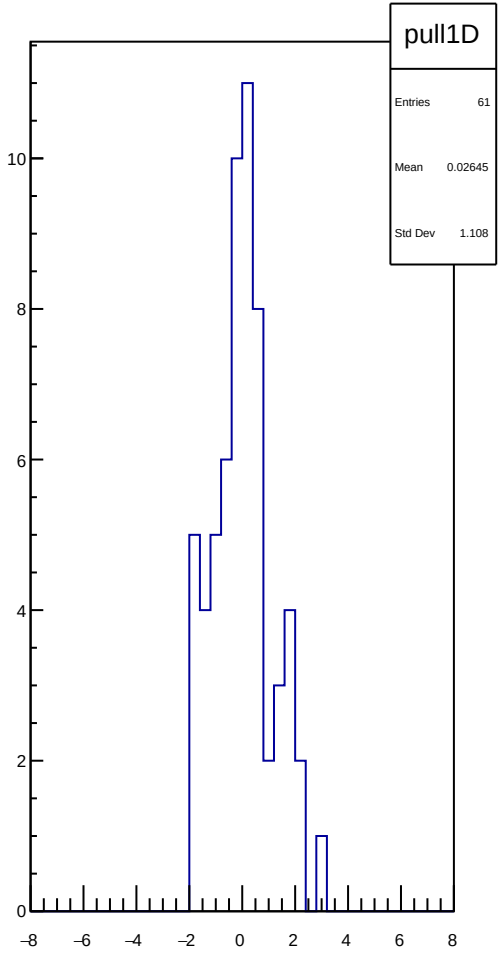

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 1.325e+04 / 60
p0 1515 ± 1.395
1900
1800
1700
1600
1500
1400
1300
1200
1100

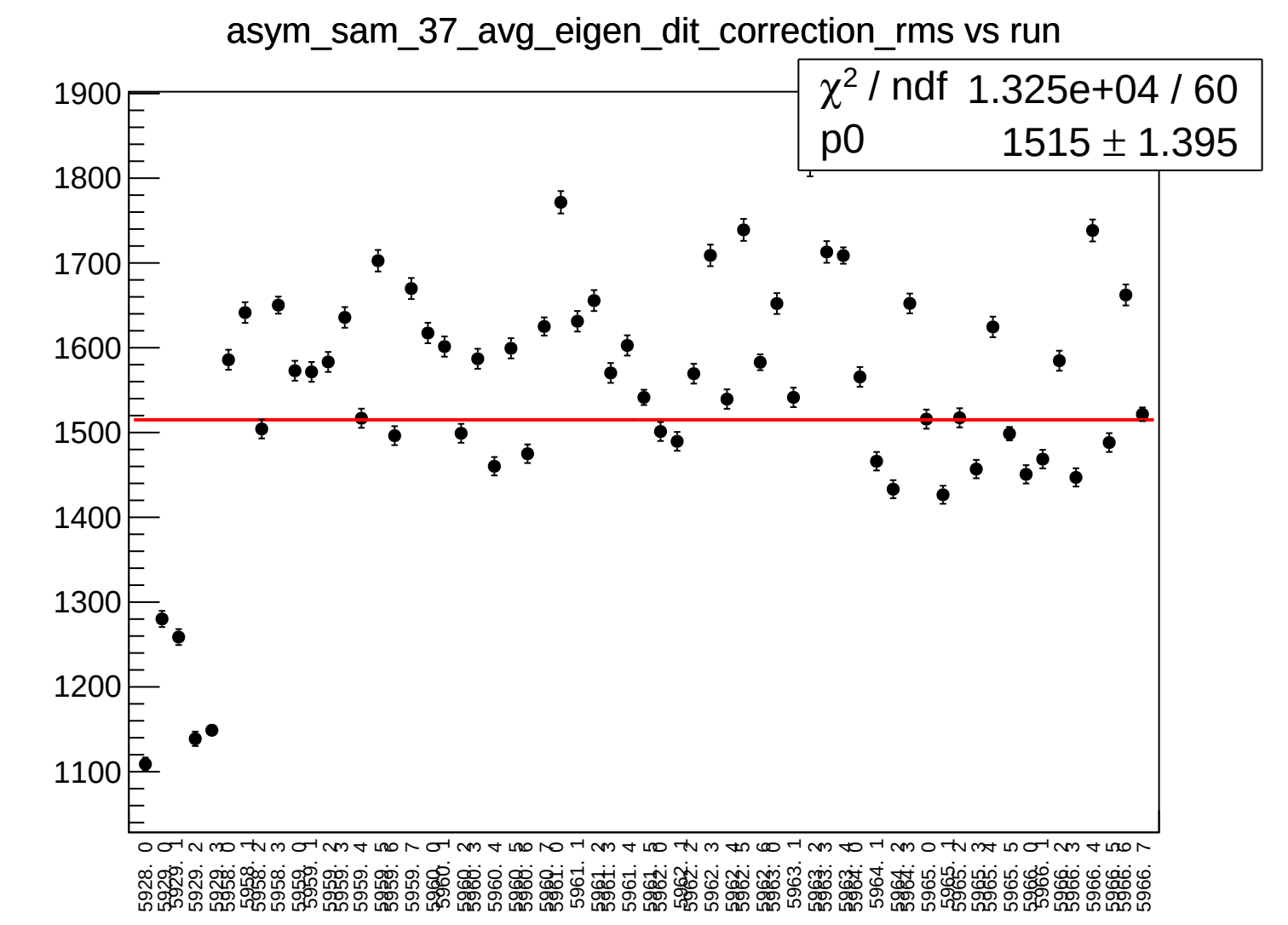

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 76.97 / 60
p0 53.21 ± 137.1
6000
4000
2000
0
−2000
−4000
pull
Entries 61
Mean 37.28
Std Dev 0
3
2
1
0
−1
−2

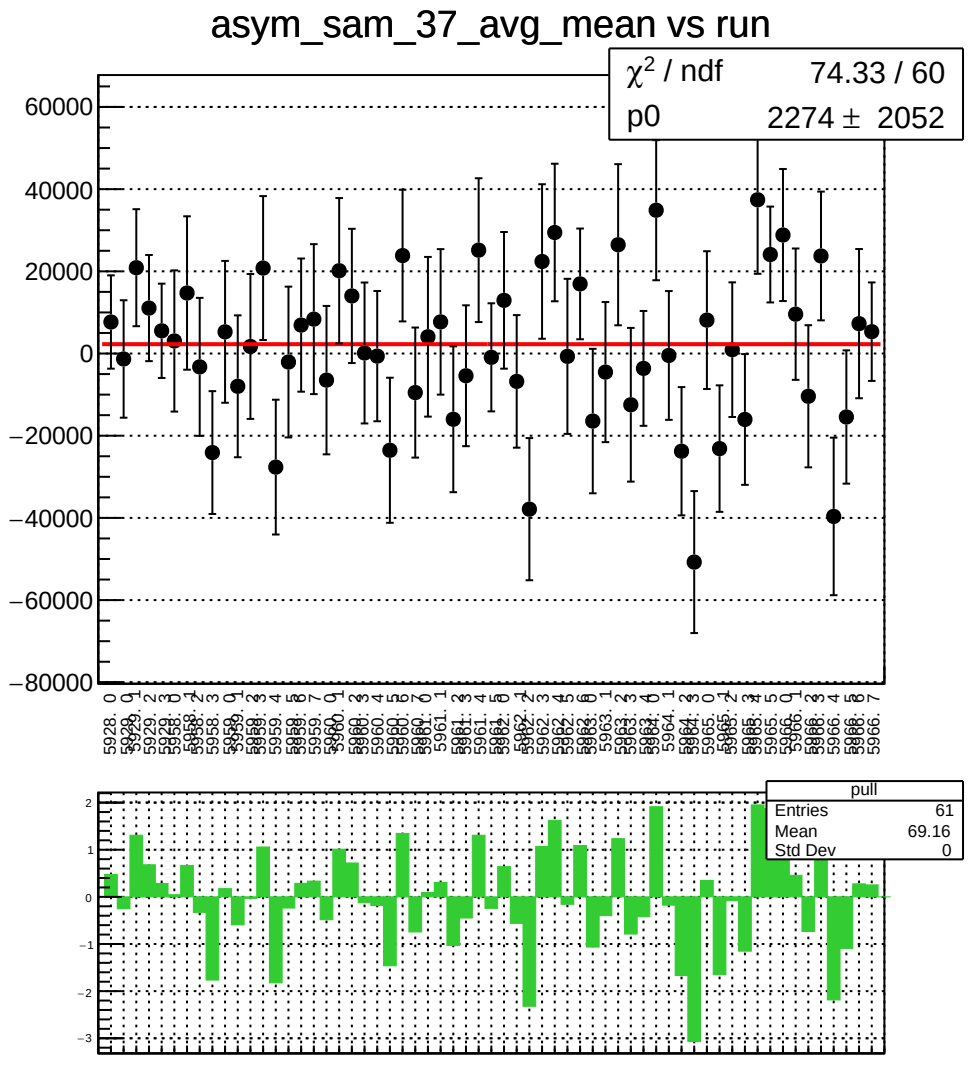

pull1D
Entries 61
Mean 0.04256
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

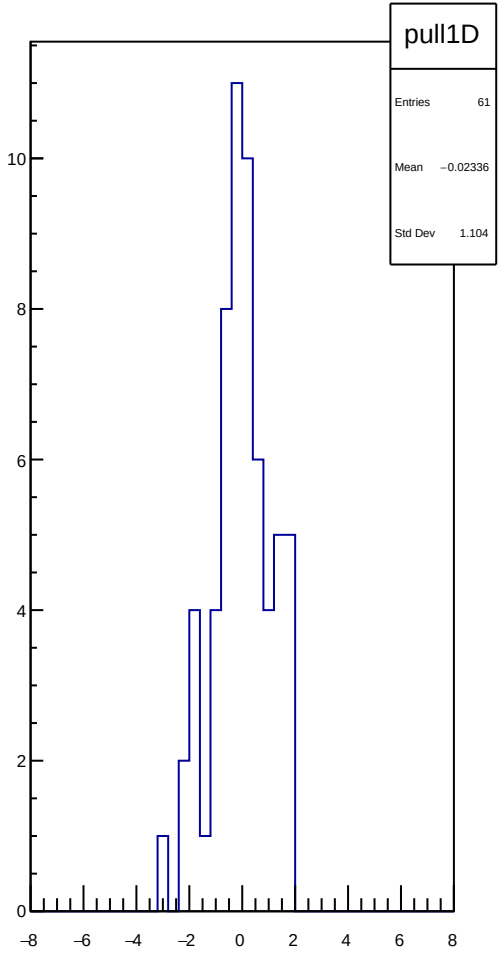

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.493e+04 / 60
p0 104.7 ± 0.09692
180
160
140
120
100
80

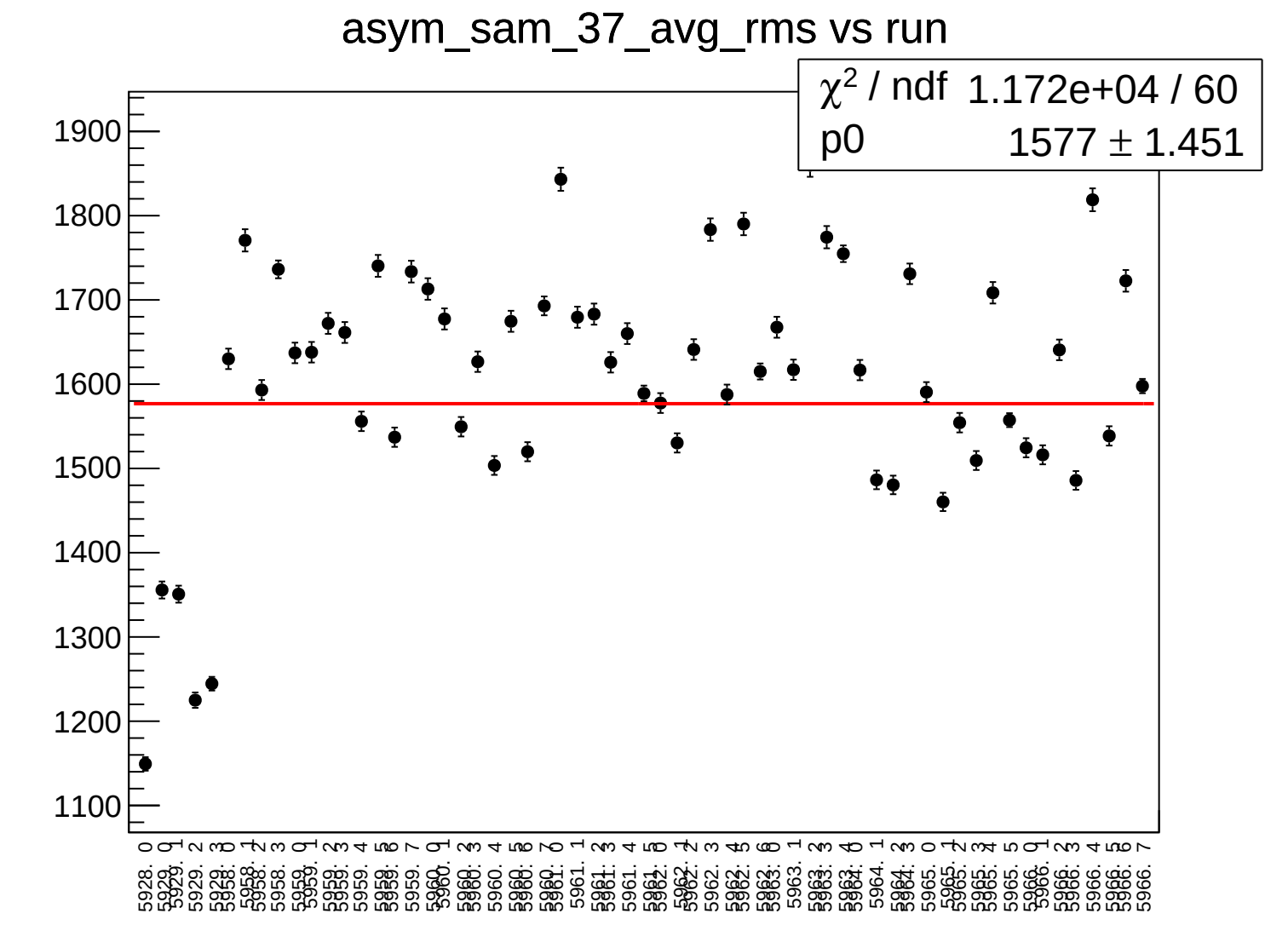

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 74.97 / 60
p0 −2190 ± 1973
pull
Entries 61
Mean 66.73
Std Dev 0

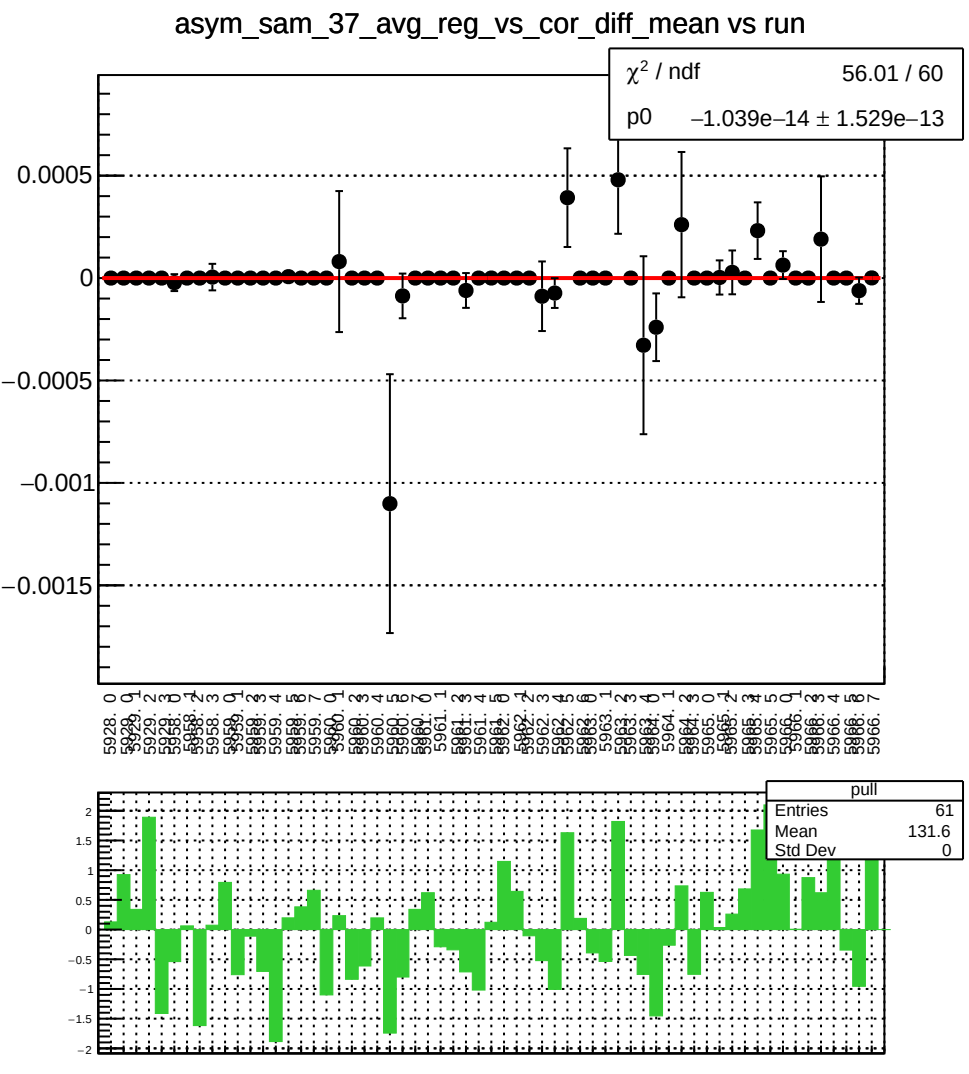

pull1D
Entries 61
Mean 0.02645
Std Dev 1.108

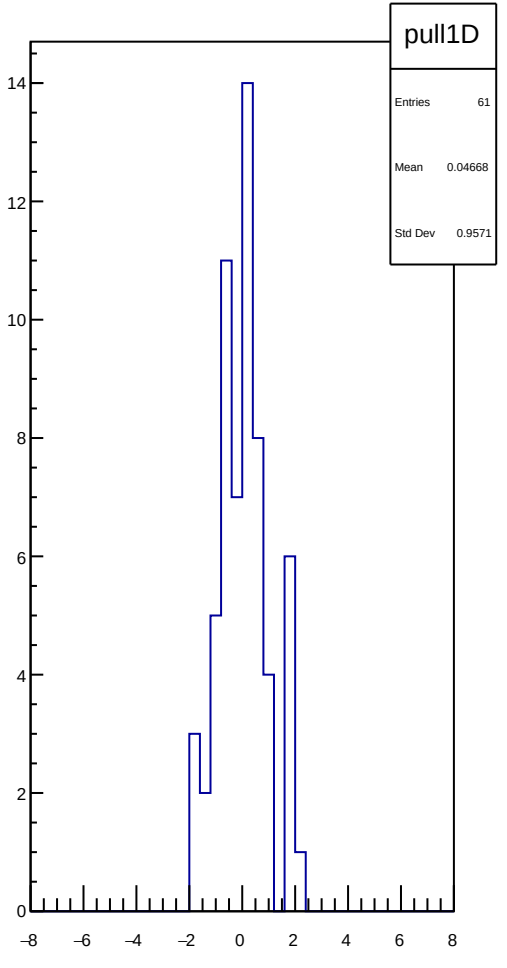

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.325e+04 / 60
p0 1515 ± 1.395
1900
1800
1700
1600
1500
1400
1300
1200
1100

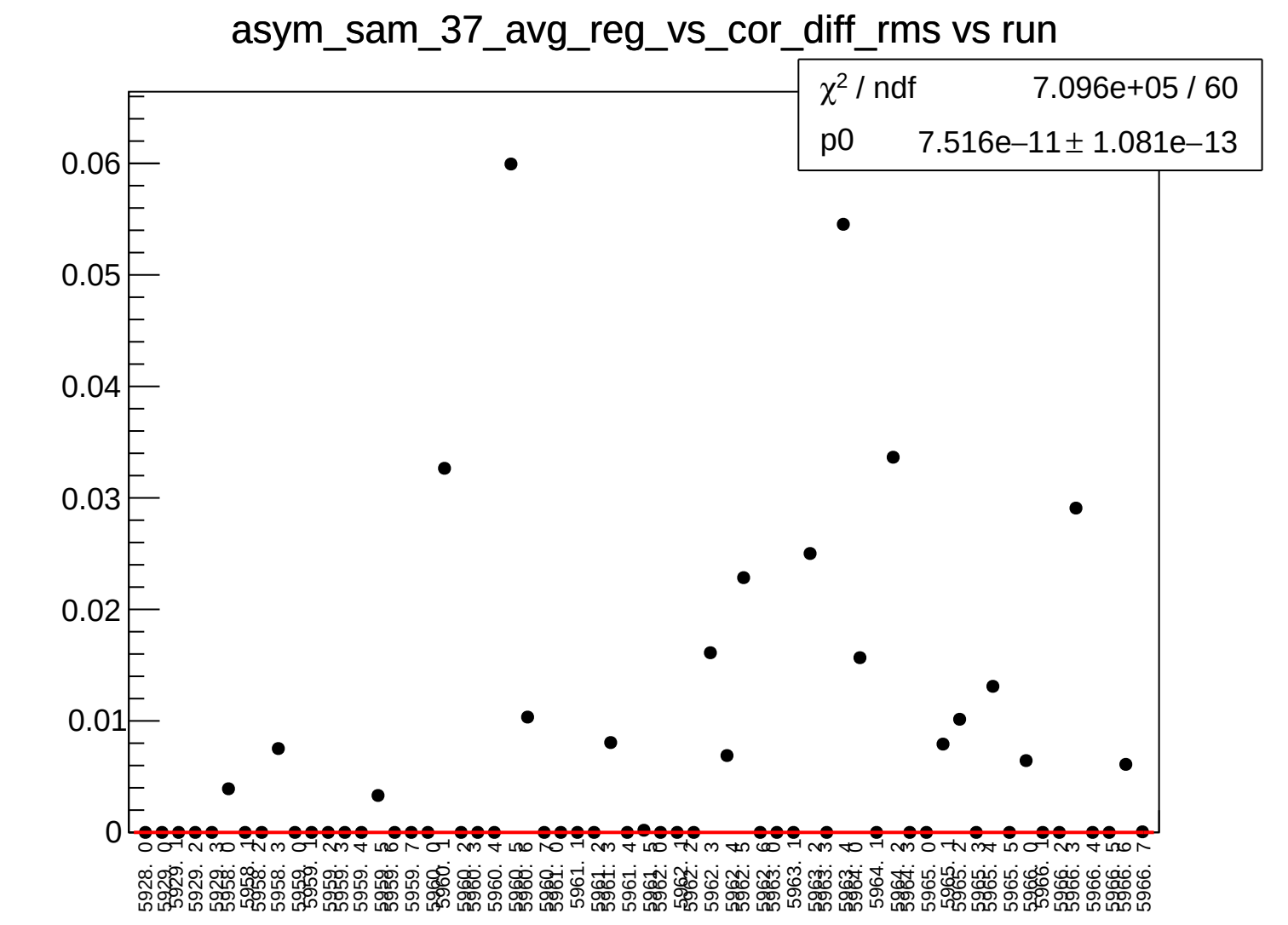

asym_sam_37_avg_mean vs run
χ² / ndf 74.33 / 60
p0 2274 ± 2052
pull
Entries 61
Mean 69.16
Std Dev 0

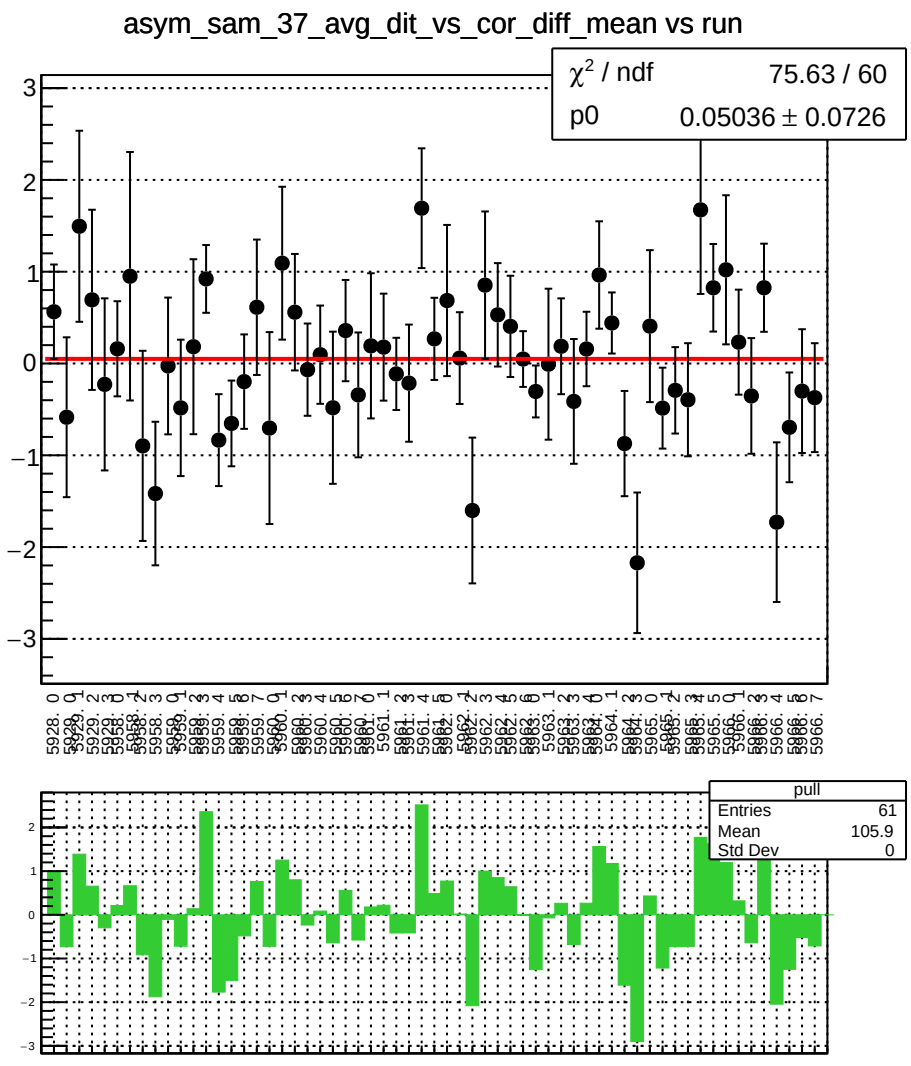

pull1D
Entries 61
Mean −0.02336
Std Dev 1.104

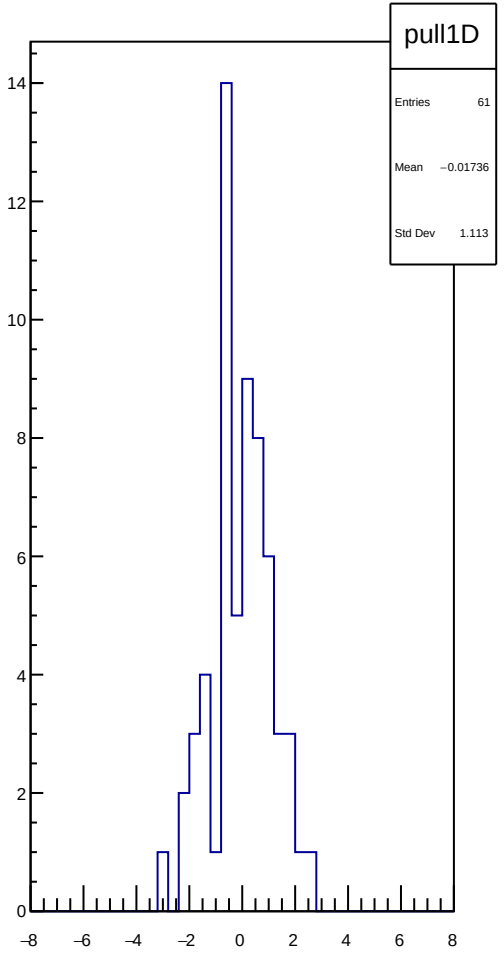

asym_sam_37_avg_rms vs run
χ² / ndf 1.172e+04 / 60
p0 1577 ± 1.451
1900
1800
1700
1600
1500
1400
1300
1200
1100

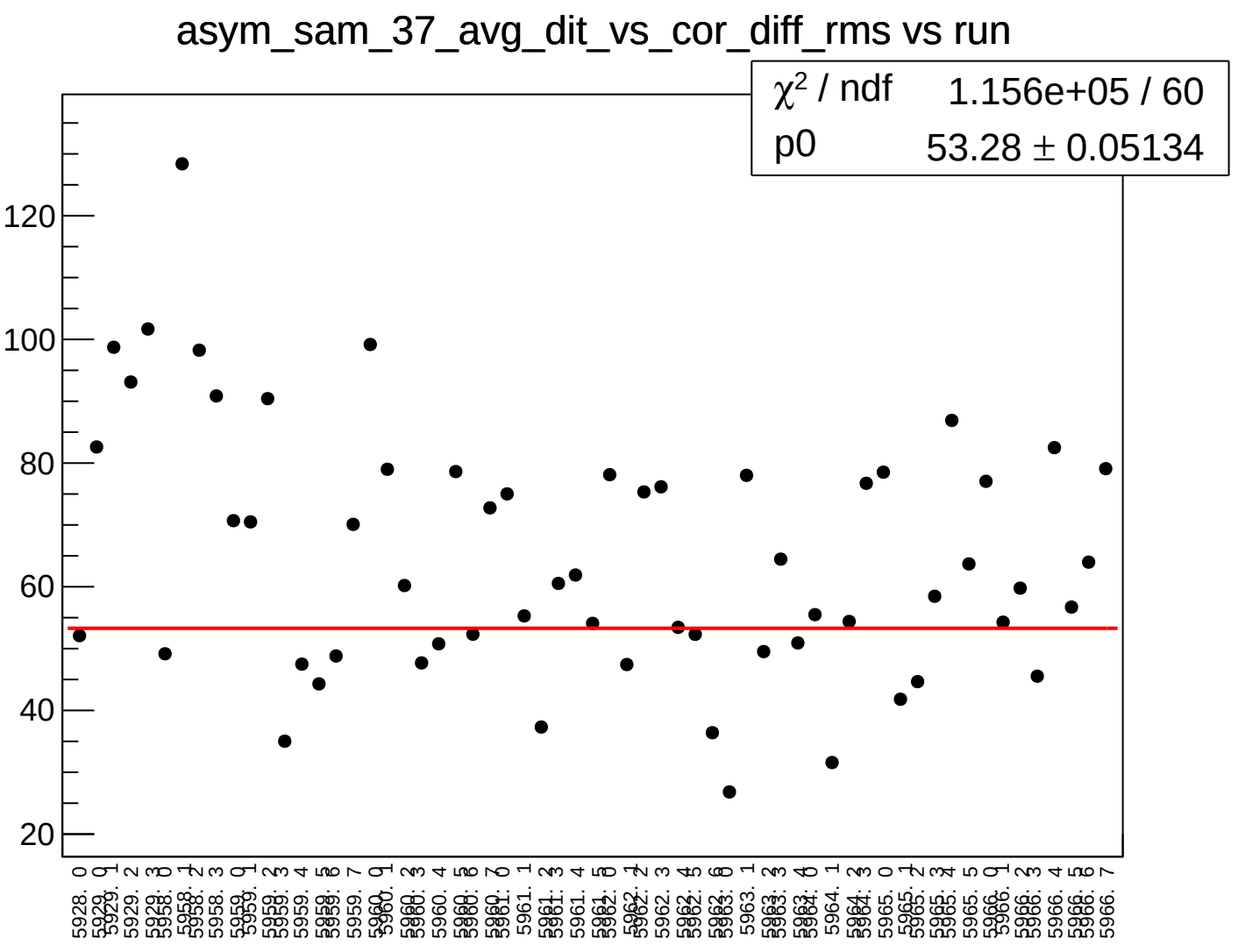

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.01 / 60
p0 −1.039e−14 ± 1.529e−13
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean 131.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 61
Mean 0.04668
Std Dev 0.9571
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

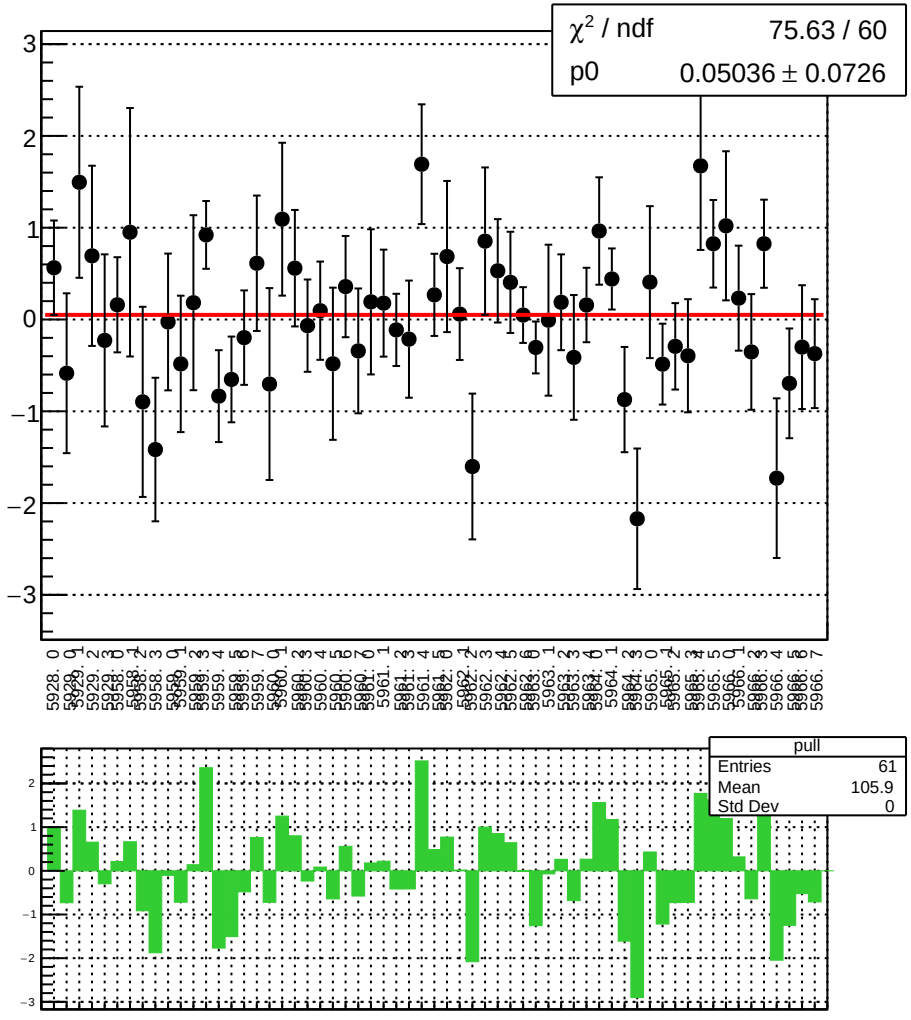

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.096e+05 / 60
p0 7.516e−11 ± 1.081e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

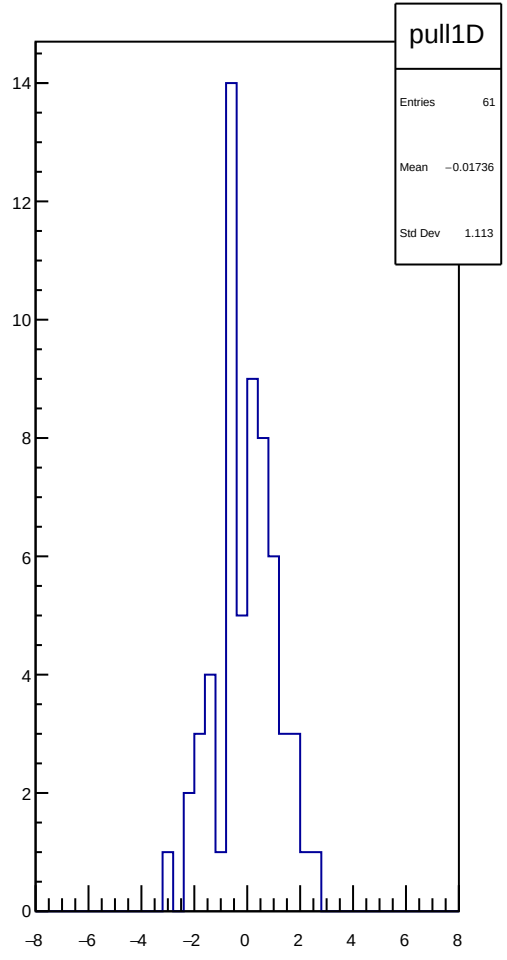

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.63 / 60
p0 0.05036 ± 0.0726
pull
Entries 61
Mean 105.9
Std Dev 0

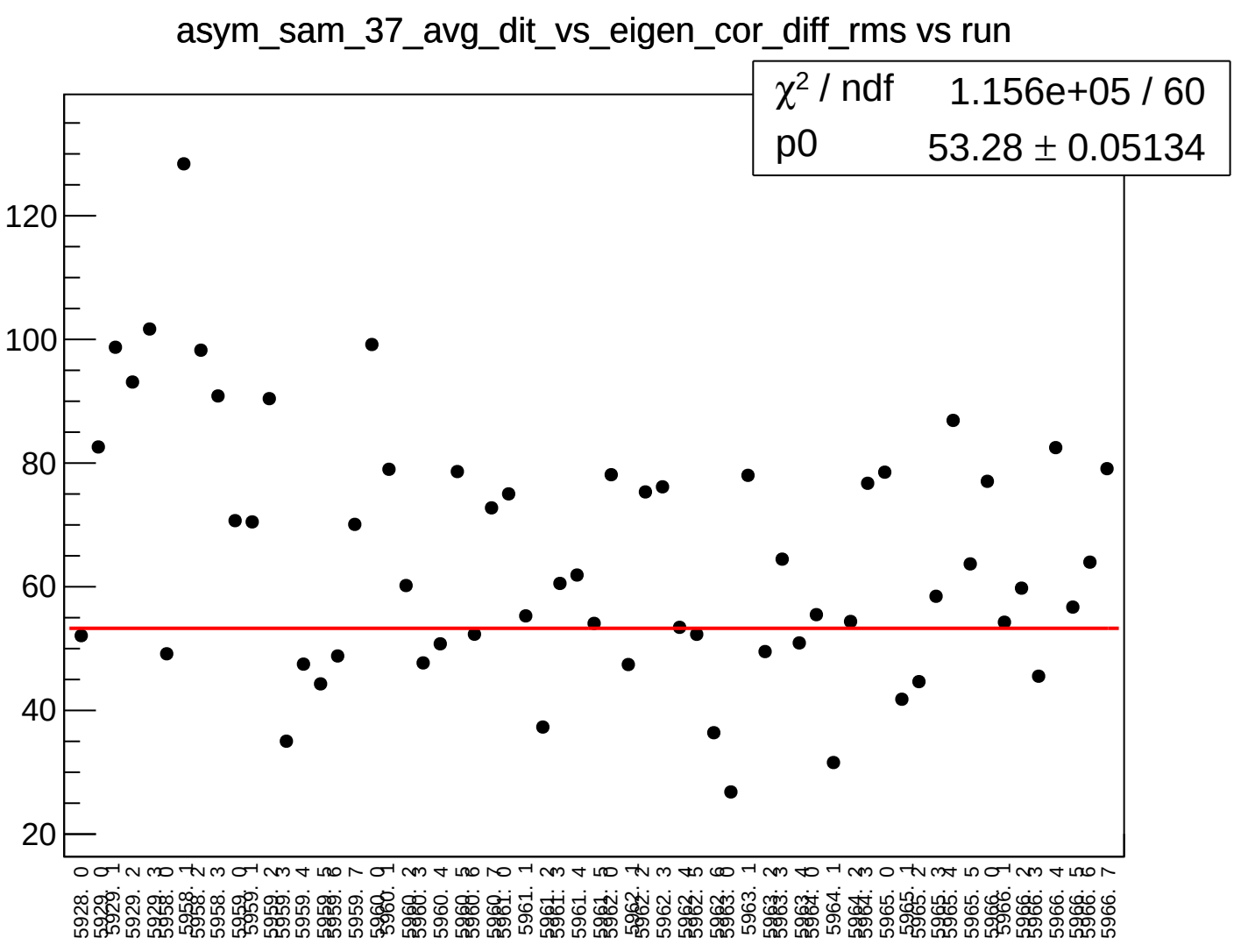

pull1D
Entries 61
Mean −0.01736
Std Dev 1.113

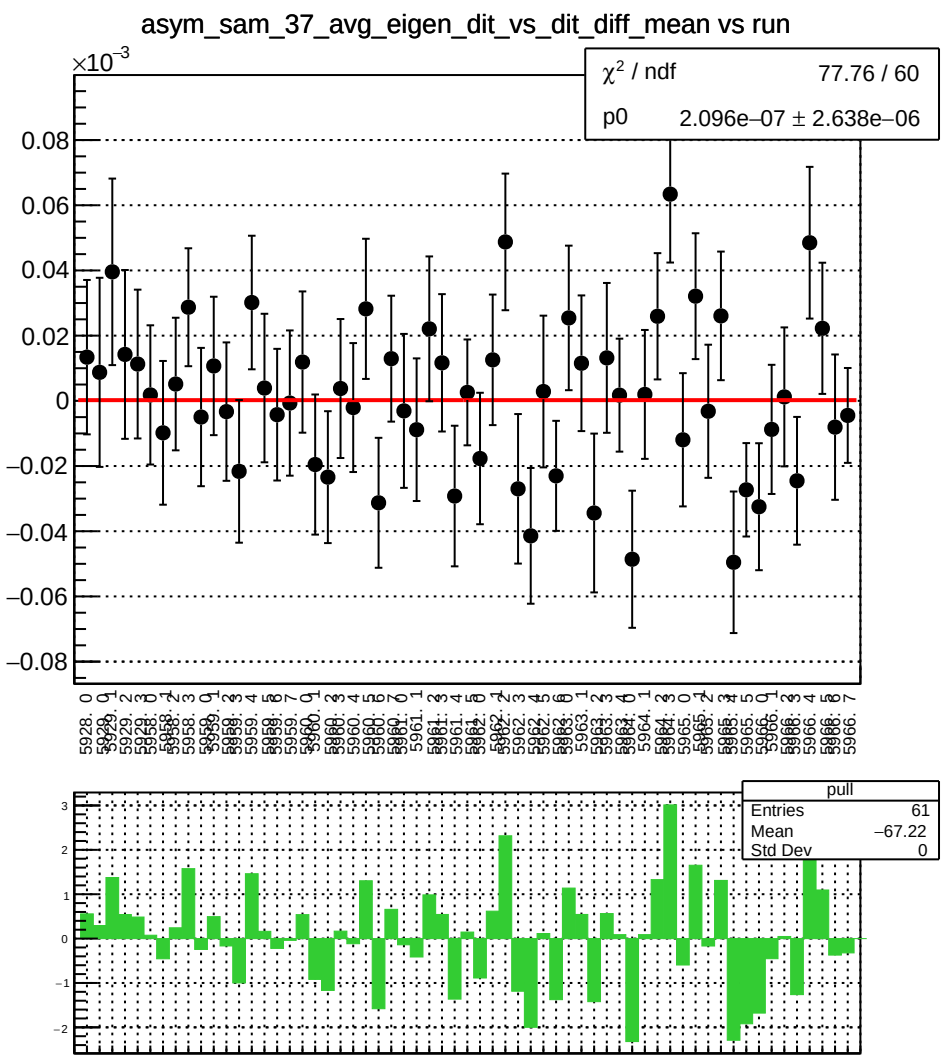

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.156e+05 / 60
p0 53.28 ± 0.05134
120
100
80
60
40
20

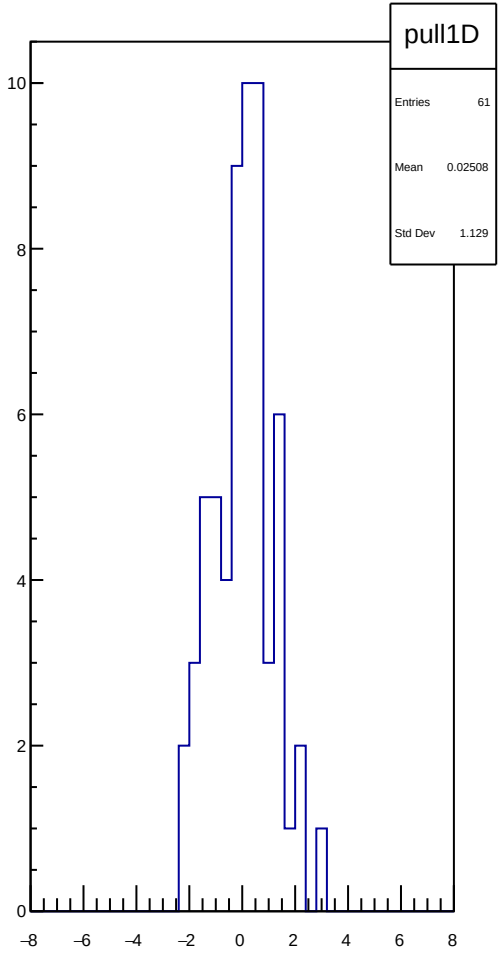
asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run

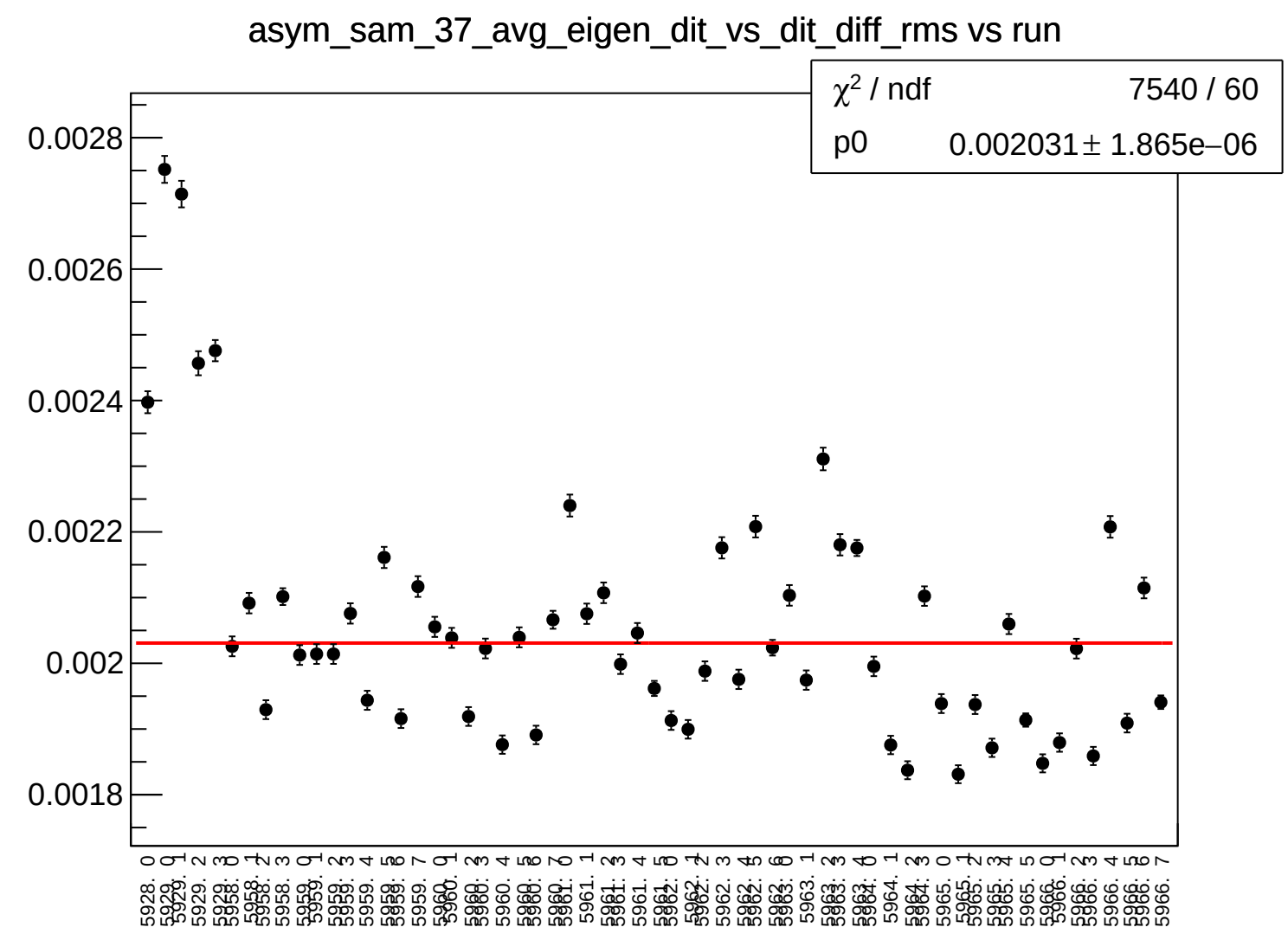




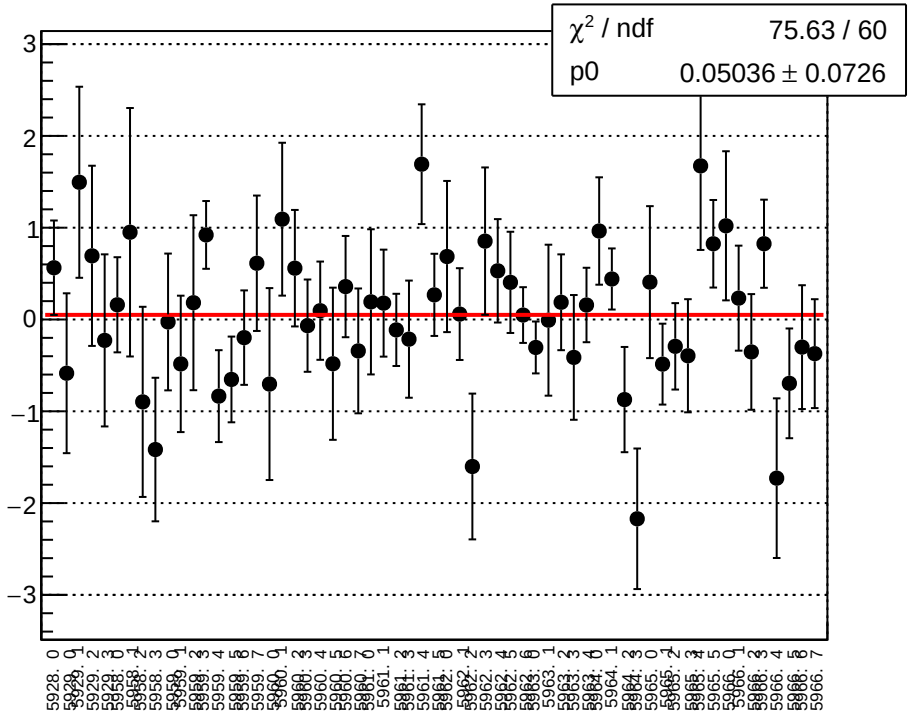

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.156e+05 / 60
p0 53.28 ± 0.05134
120
100
80
60
40
20

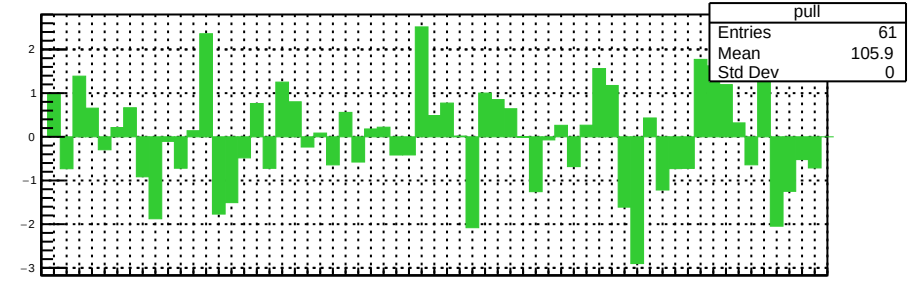

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.76 / 60
p0 2.096e−07 ± 2.638e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 61
Mean −67.22
Std Dev 0
3
2
1
0
−1
−2

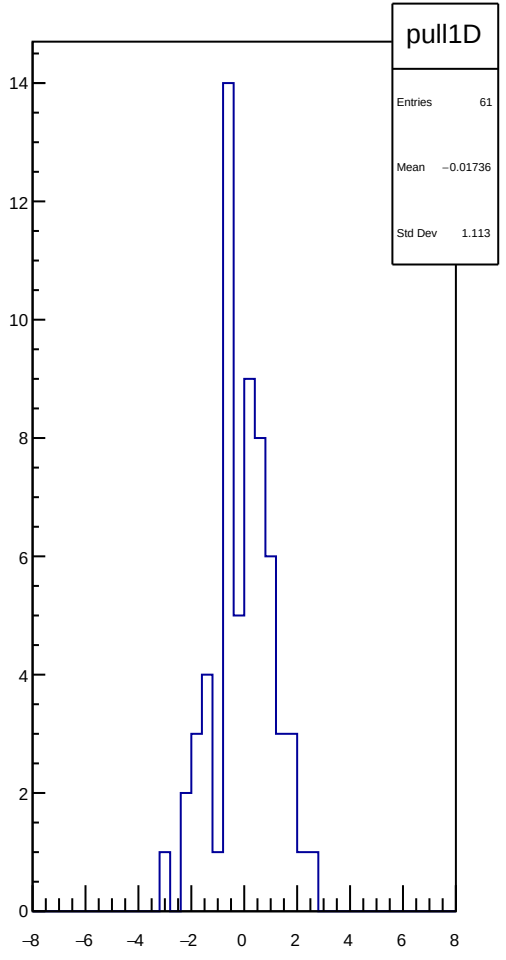

pull1D
Entries 61
Mean 0.02508
Std Dev 1.129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

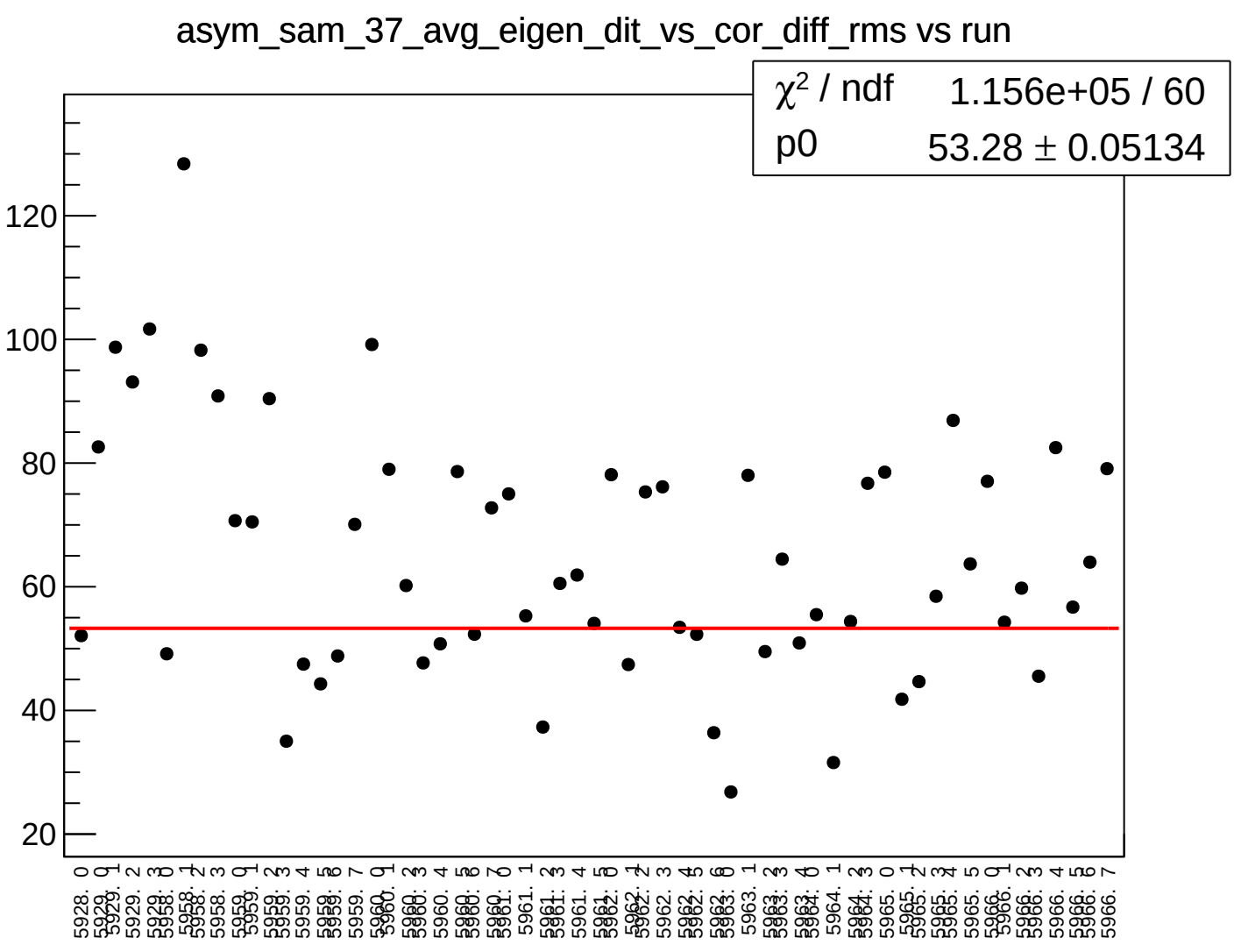

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7540 / 60
p0 0.002031 ± 1.865e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

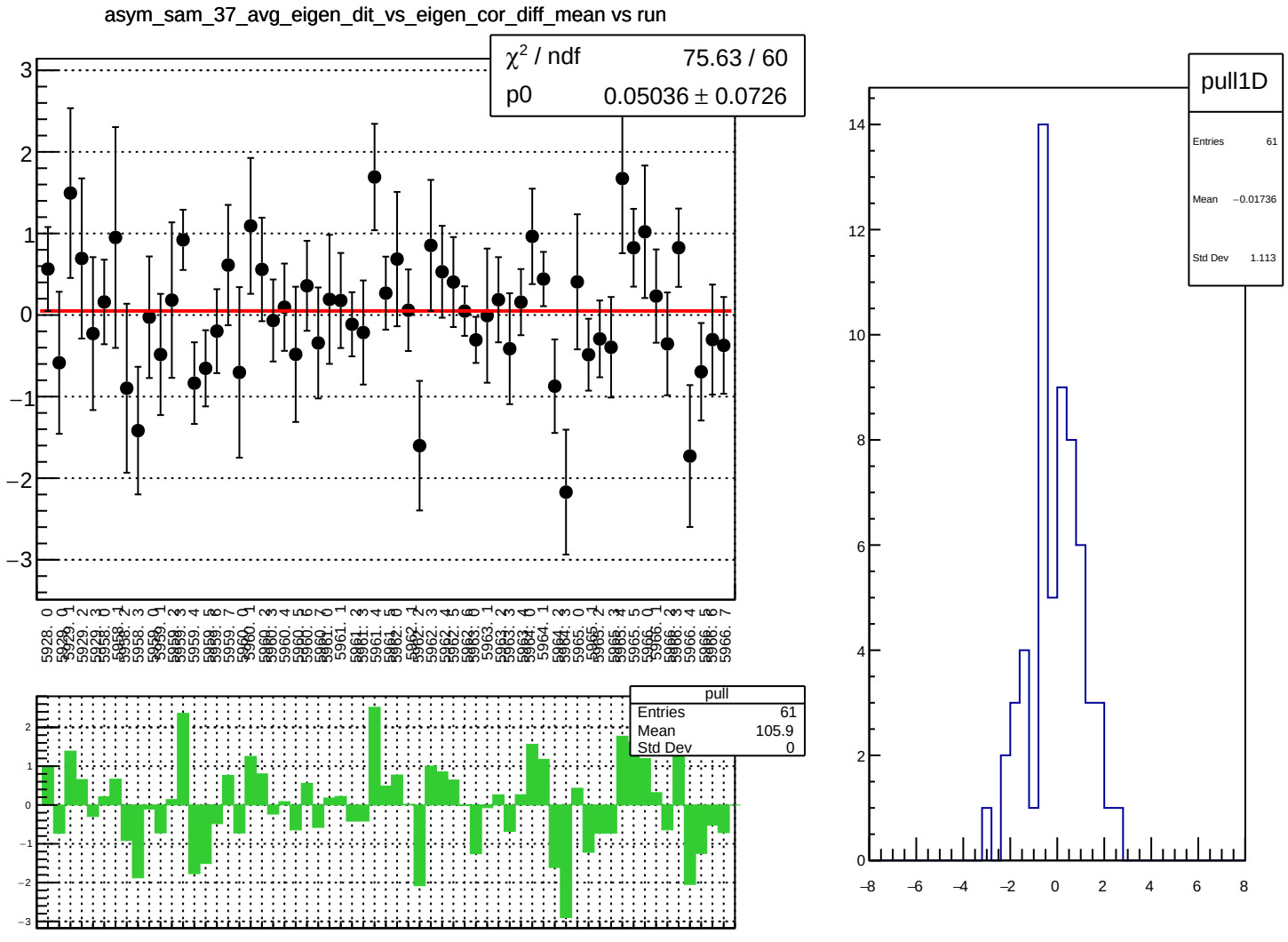
asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run

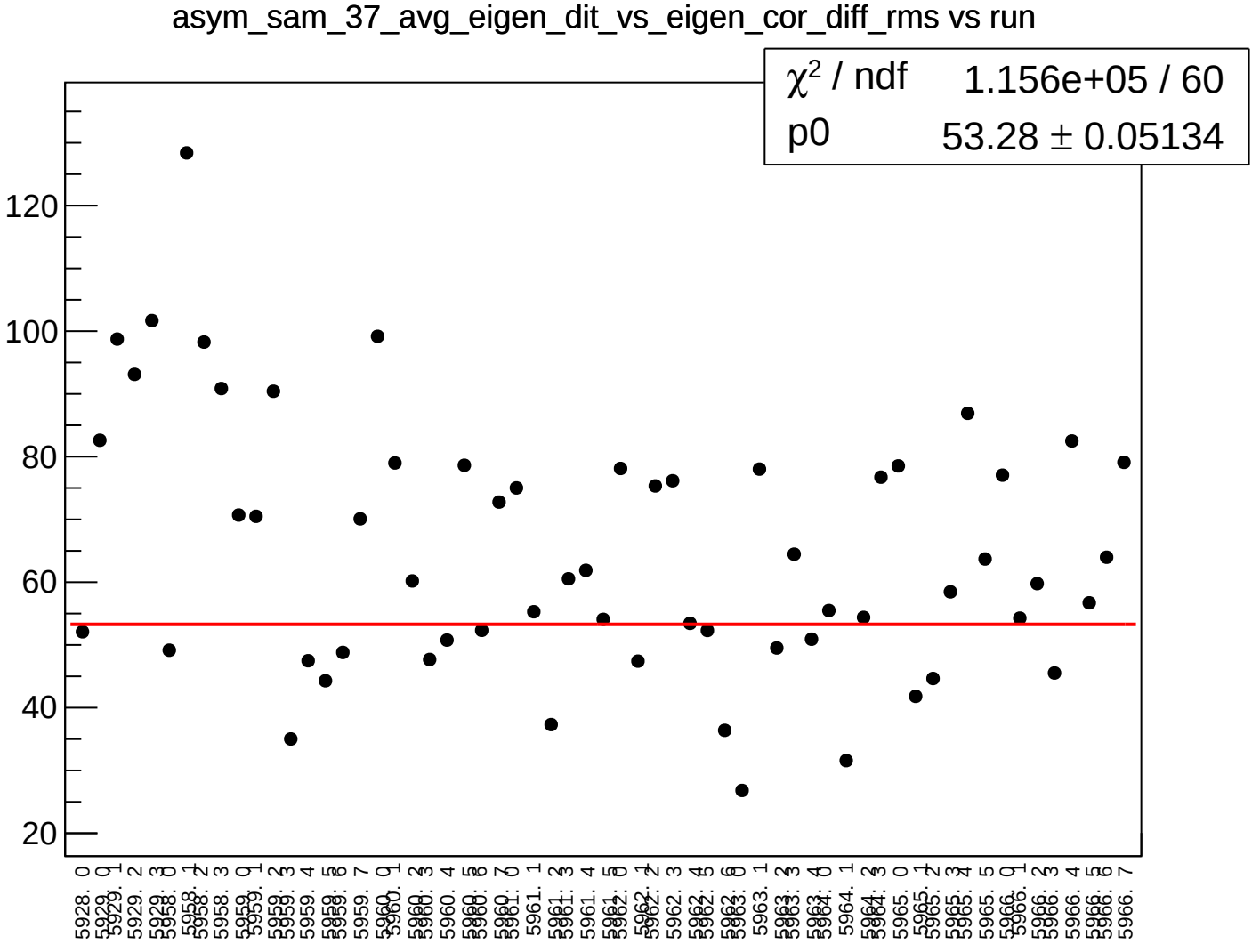


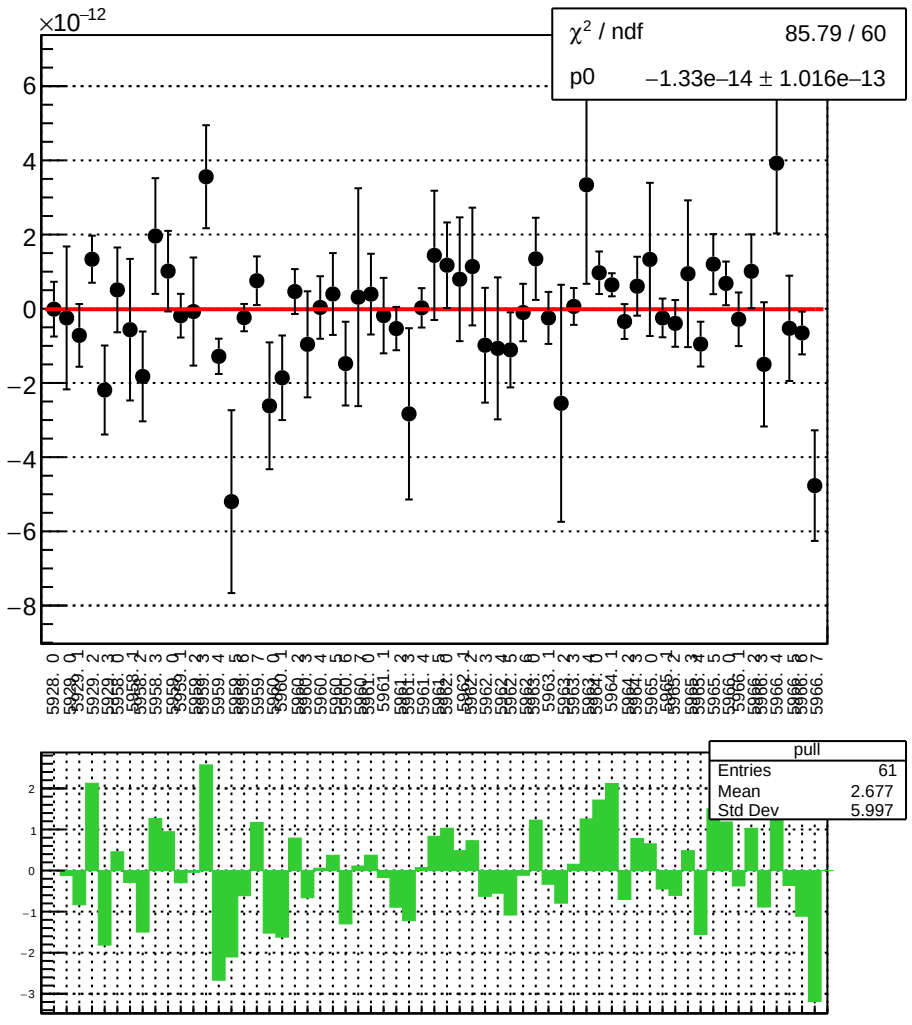


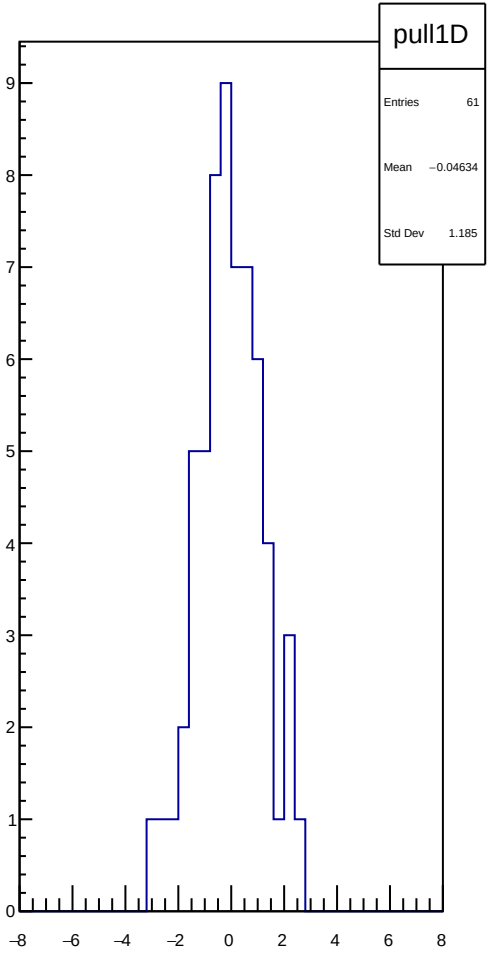


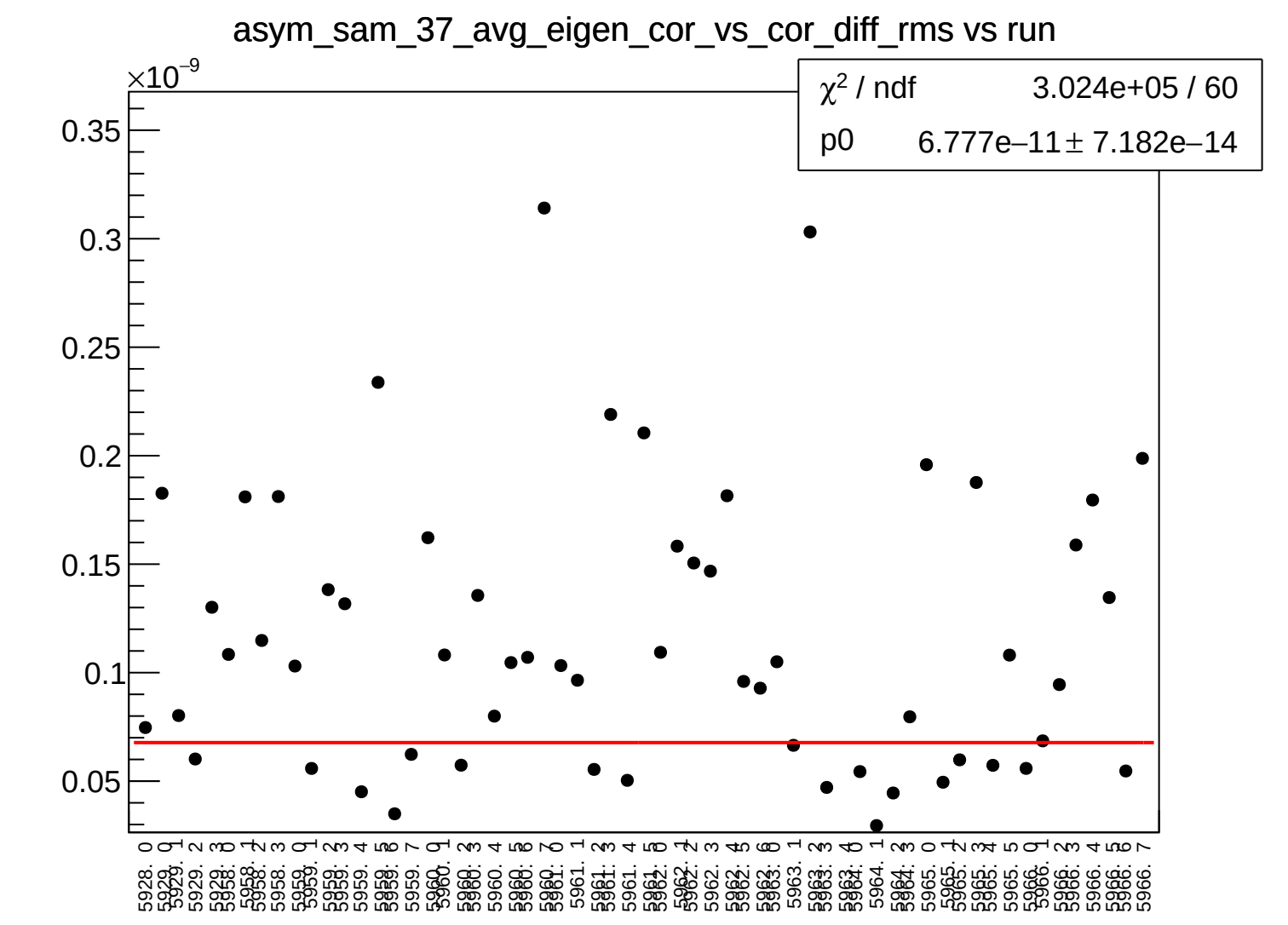

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.156e+05 / 60
p0 53.28 ± 0.05134
120
100
80
60
40
20

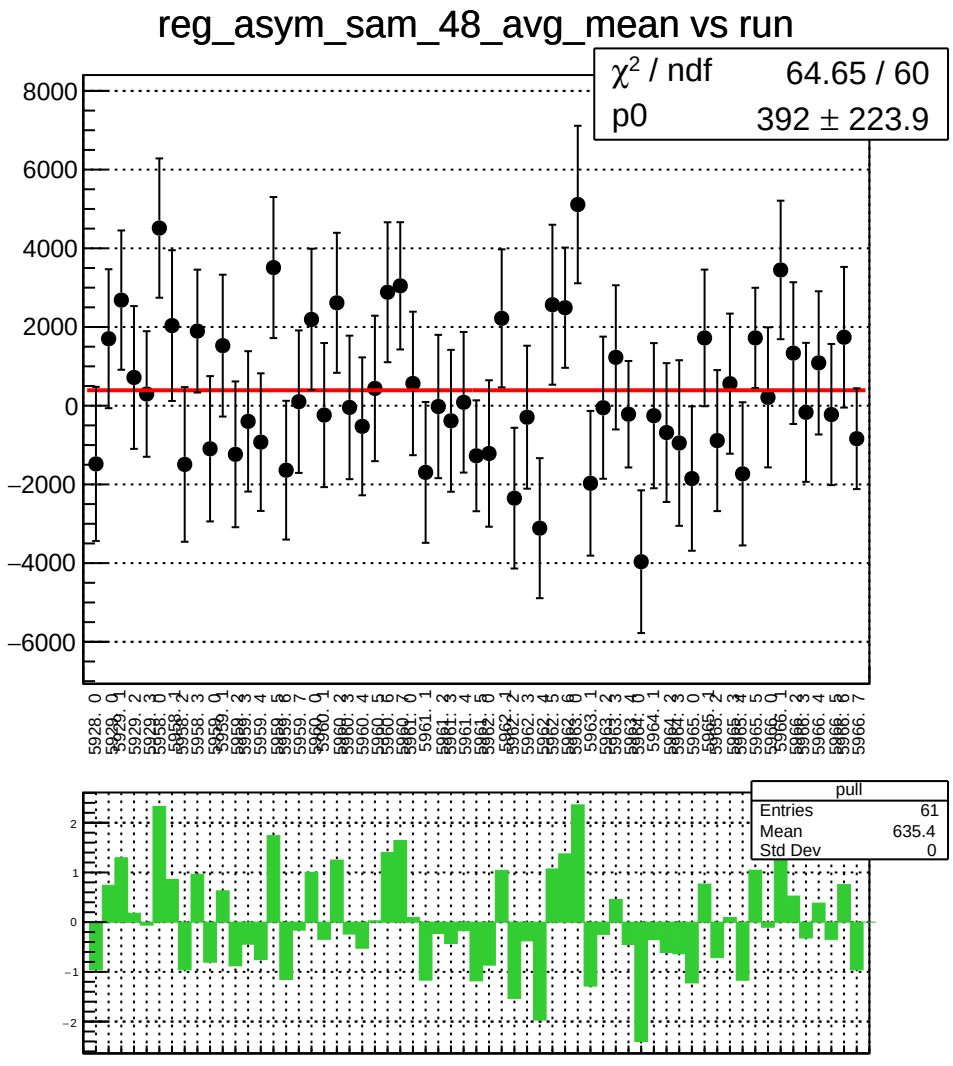

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.63 / 60
p0 0.05036 ± 0.0726
pull
Entries 61
Mean 105.9
Std Dev 0
pull1D
Entries 61
Mean −0.01736
Std Dev 1.113

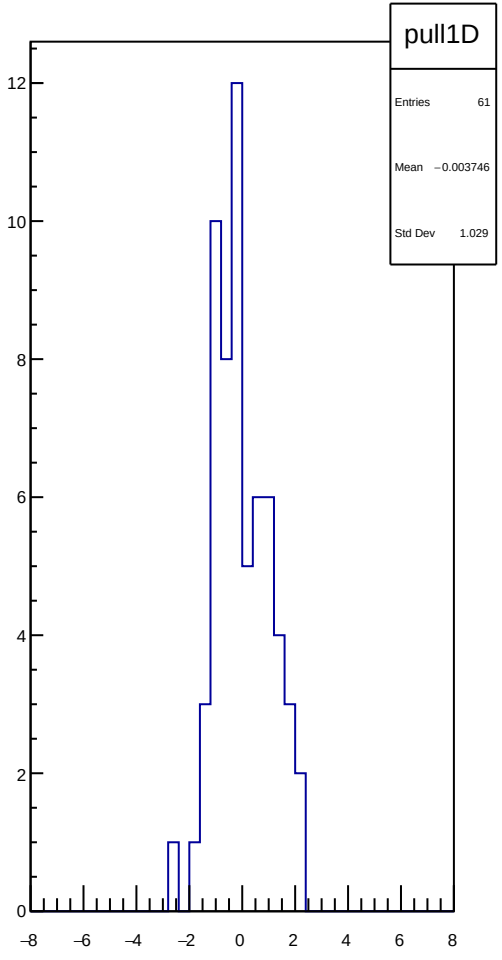

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.156e+05 / 60
p0 53.28 ± 0.05134
120
100
80
60
40
20

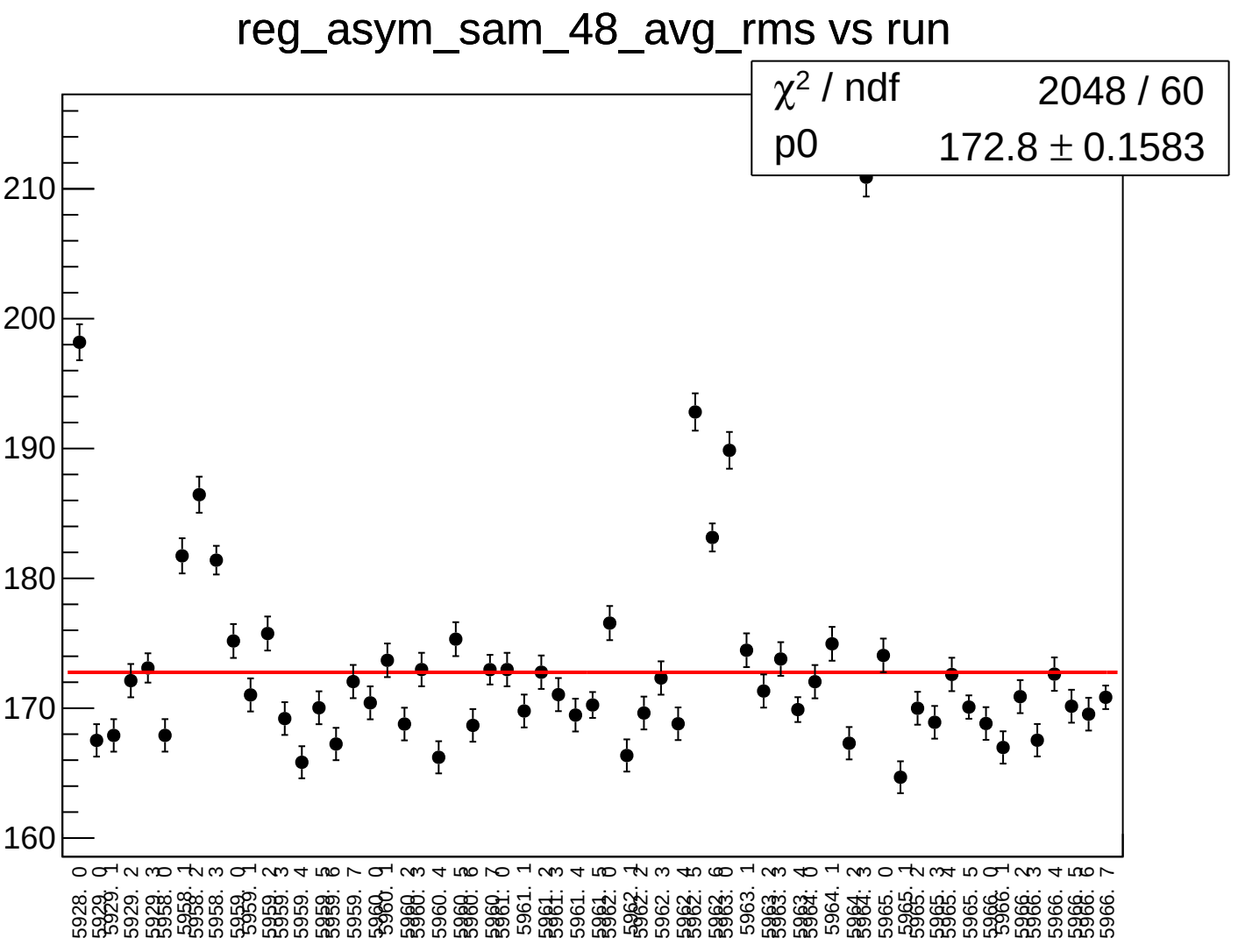

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.79 / 60
p0 −1.33e−14 ± 1.016e−13
pull
Entries 61
Mean 2.677
Std Dev 5.997

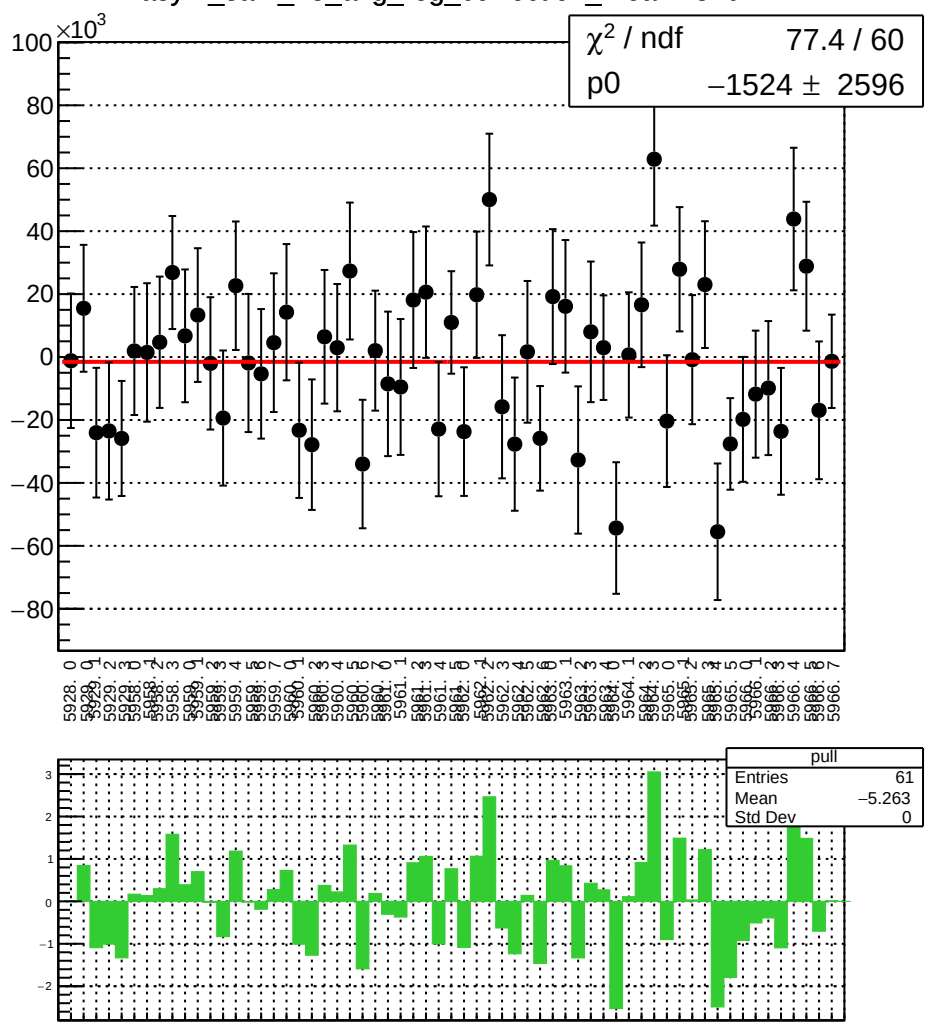

pull1D
Entries 61
Mean −0.04634
Std Dev 1.185

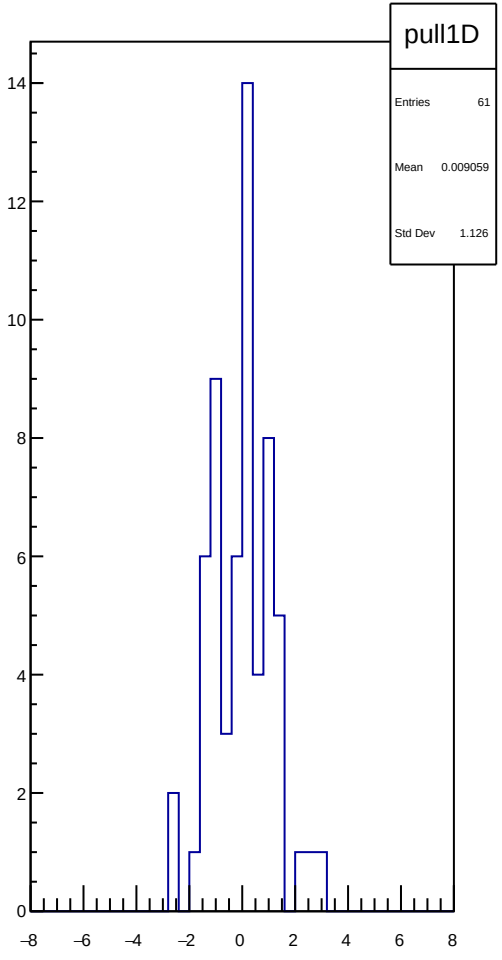

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.024e+05 / 60
p0 6.777e−11 ± 7.182e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

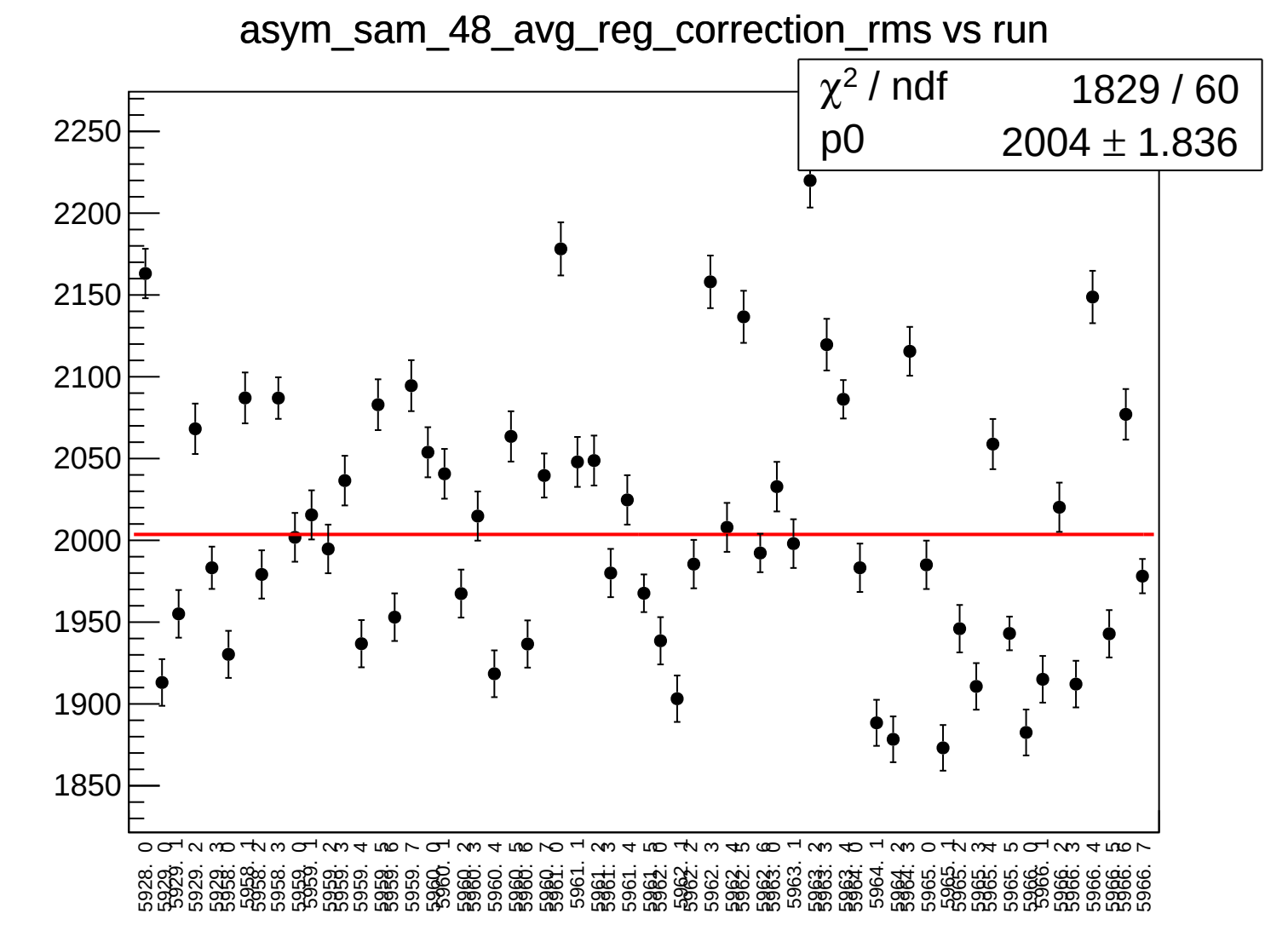

reg_asym_sam_48_avg_mean vs run
χ² / ndf 64.65 / 60
p0 392 ± 223.9
pull
Entries 61
Mean 635.4
Std Dev 0

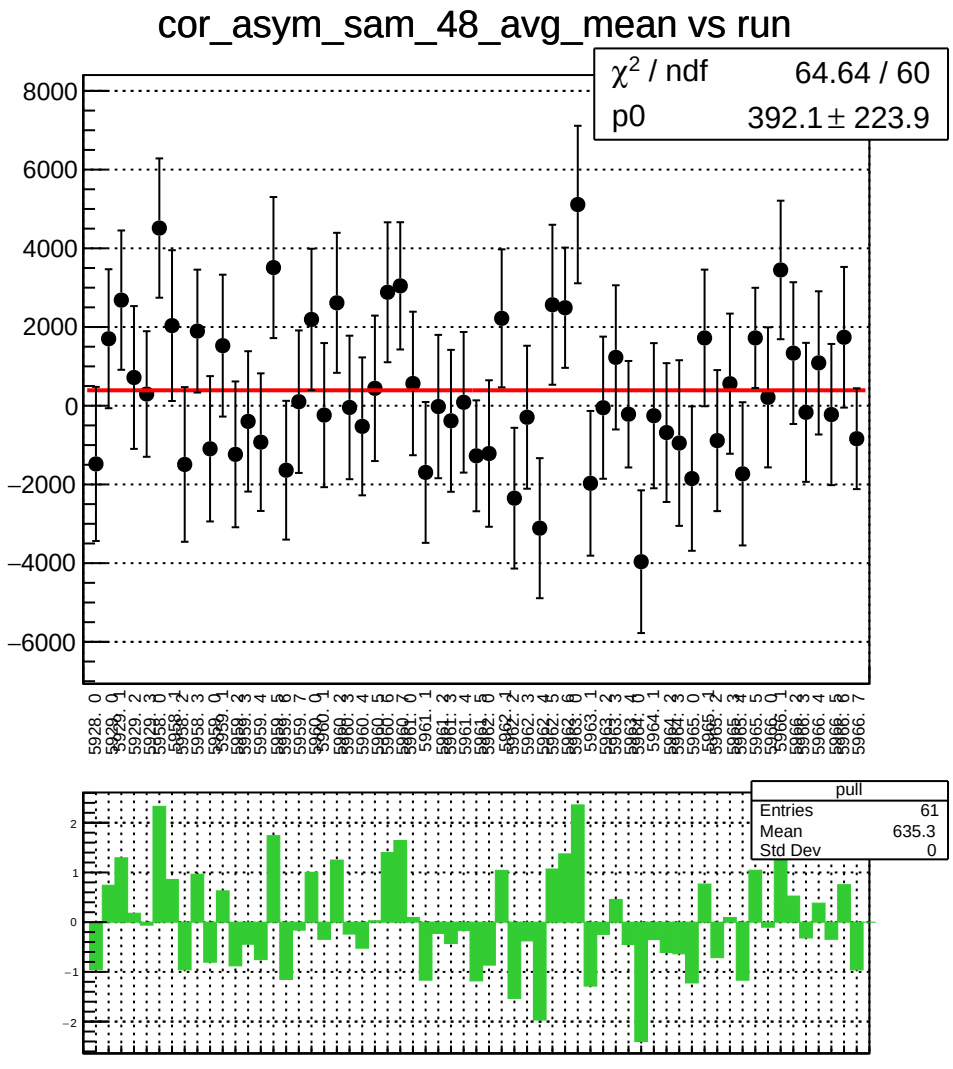

pull1D
Entries 61
Mean −0.003746
Std Dev 1.029

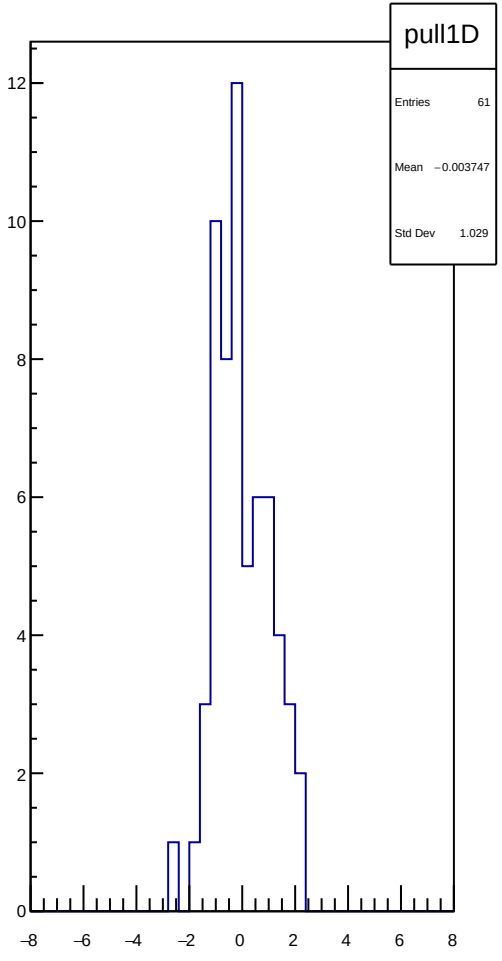

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2048 / 60
p0 172.8 ± 0.1583
210
200
190
180
170
160

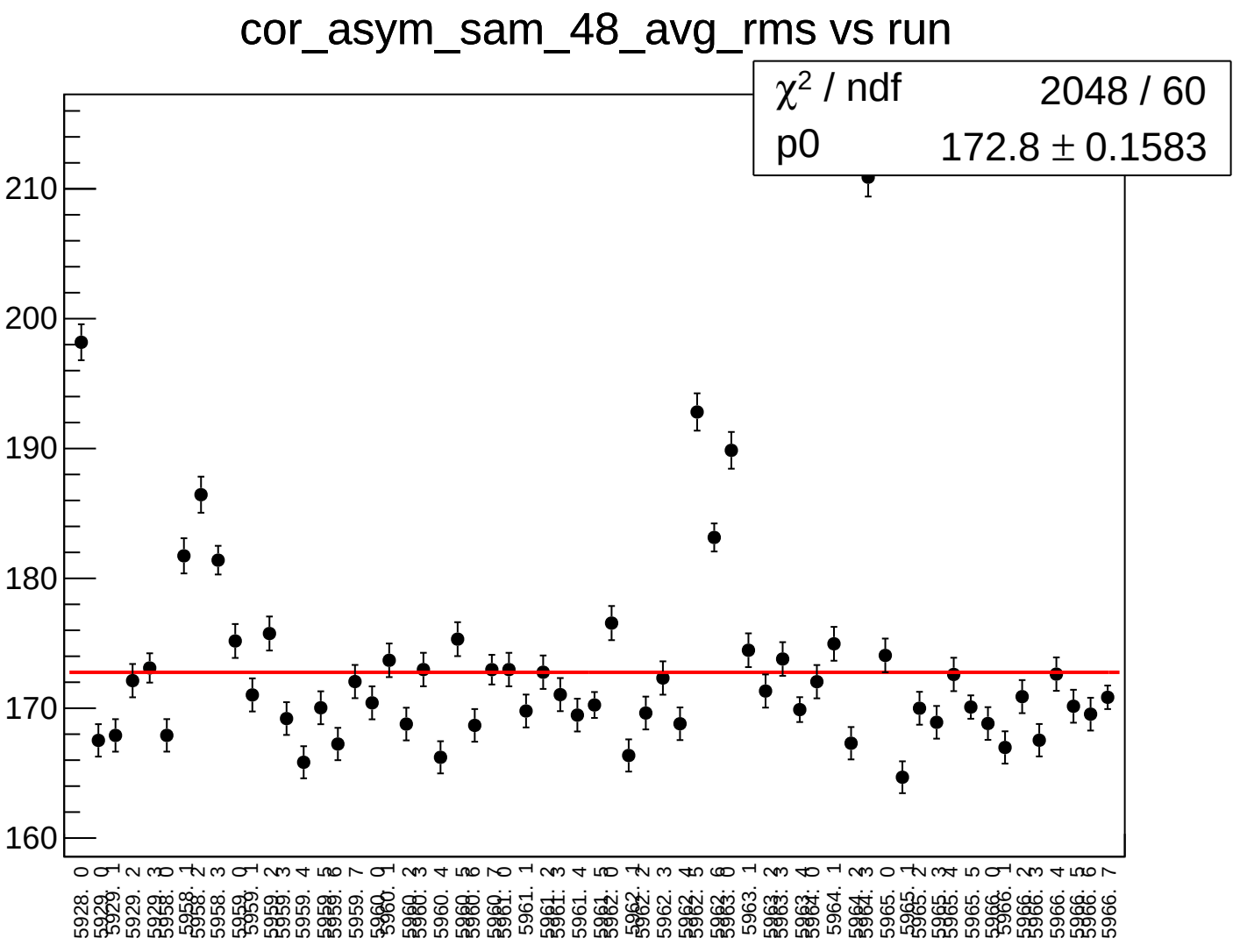

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 77.4 / 60
p0 −1524 ± 2596
pull
Entries 61
Mean −5.263
Std Dev 0

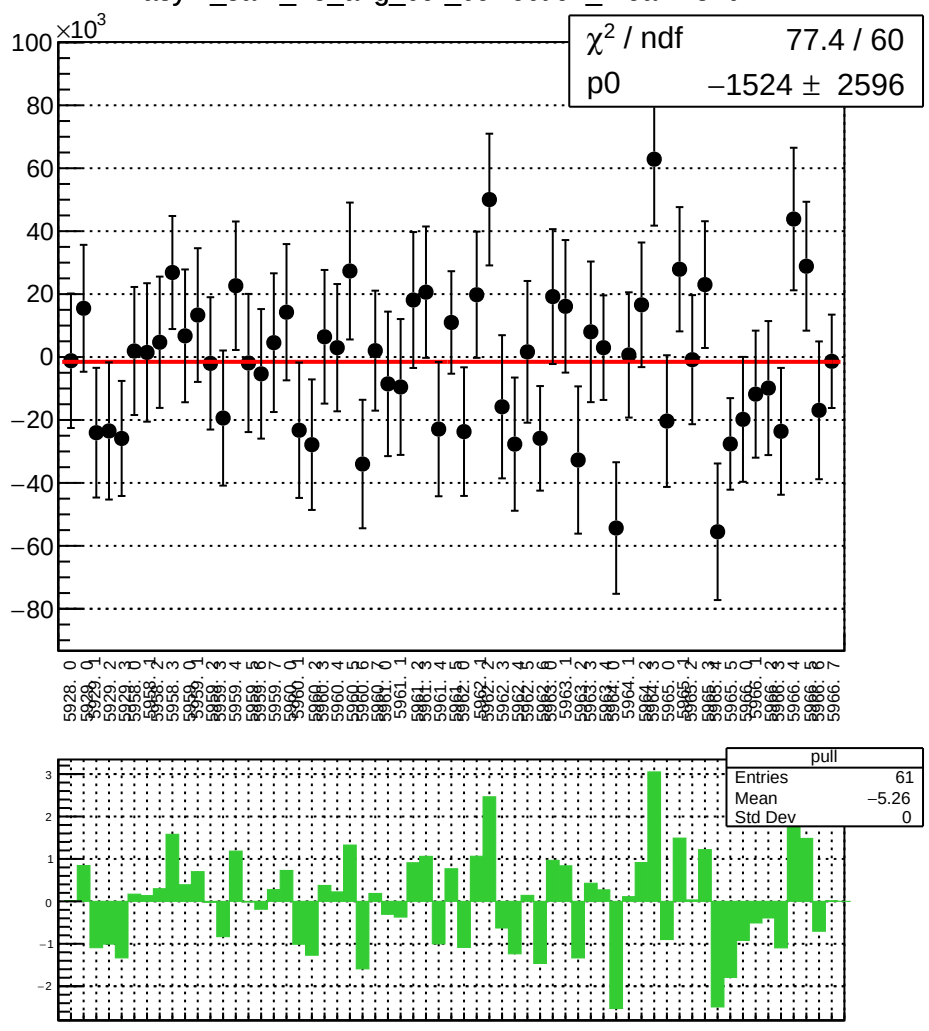

pull1D
Entries 61
Mean 0.009059
Std Dev 1.126

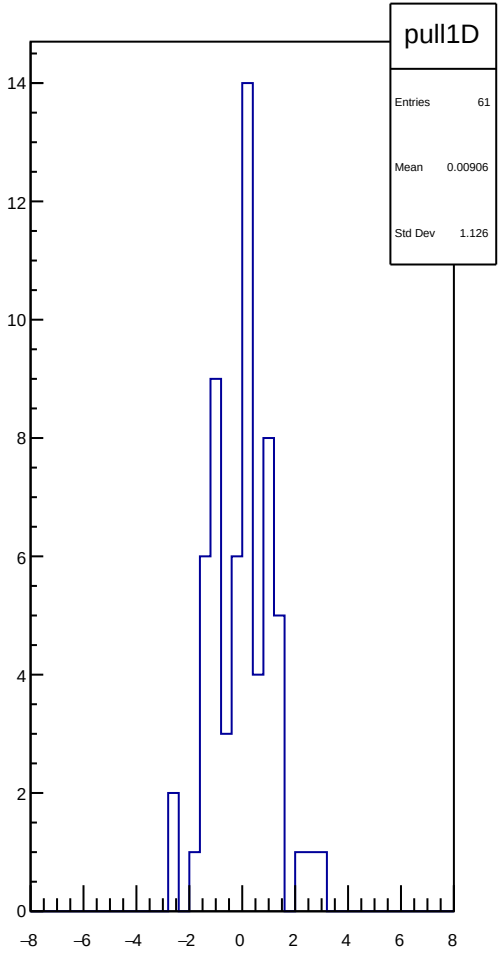

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1829 / 60
p0 2004 ± 1.836
2250
2200
2150
2100
2050
2000
1950
1900
1850

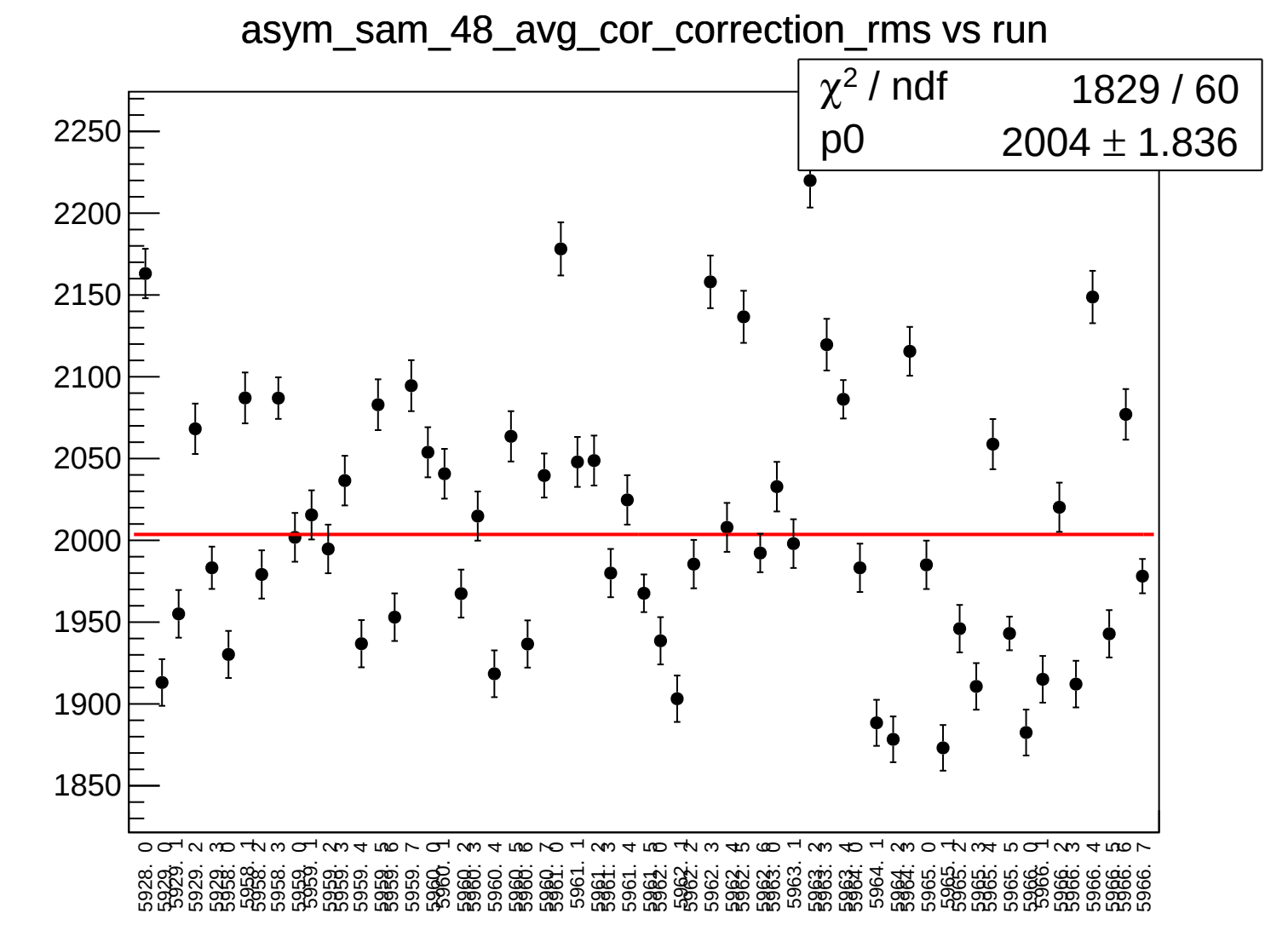

cor_asym_sam_48_avg_mean vs run
χ² / ndf 64.64 / 60
p0 392.1 ± 223.9
pull
Entries 61
Mean 635.3
Std Dev 0

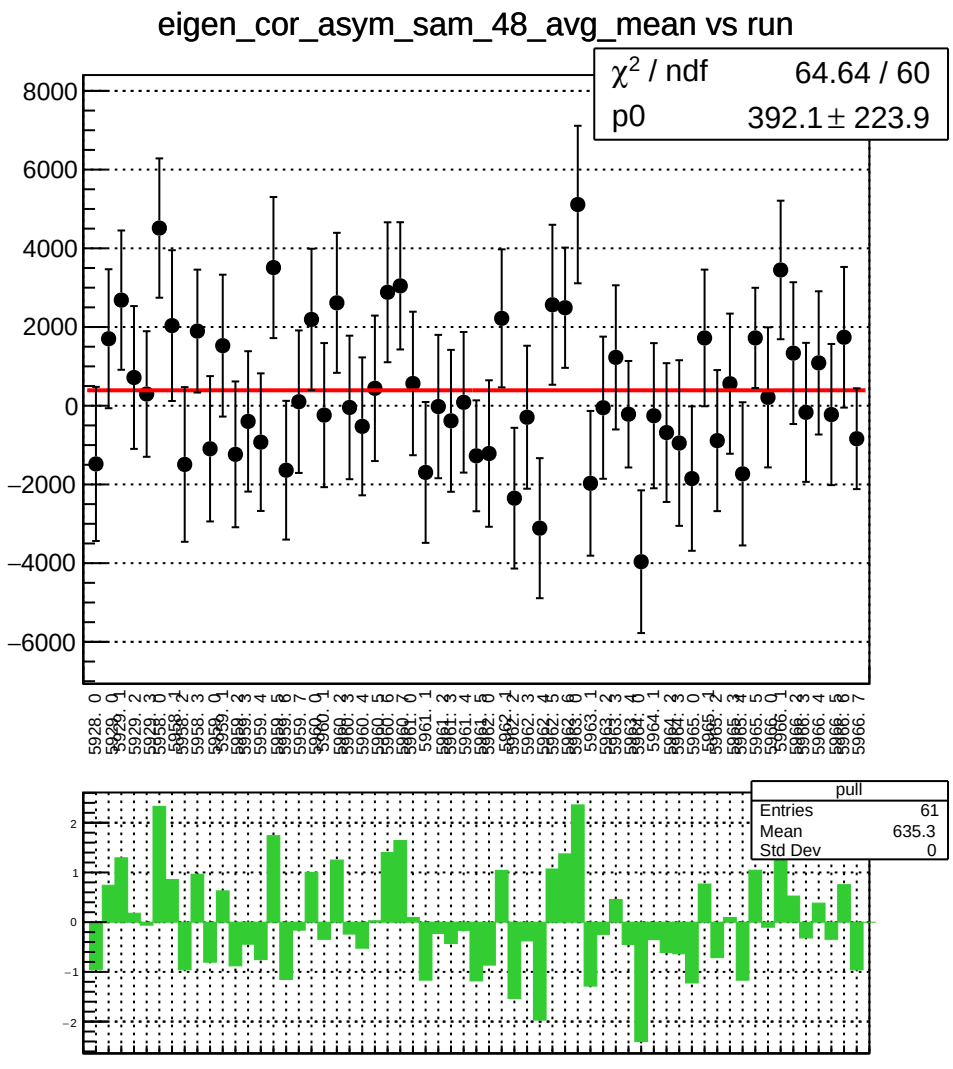

pull1D
Entries 61
Mean −0.003747
Std Dev 1.029

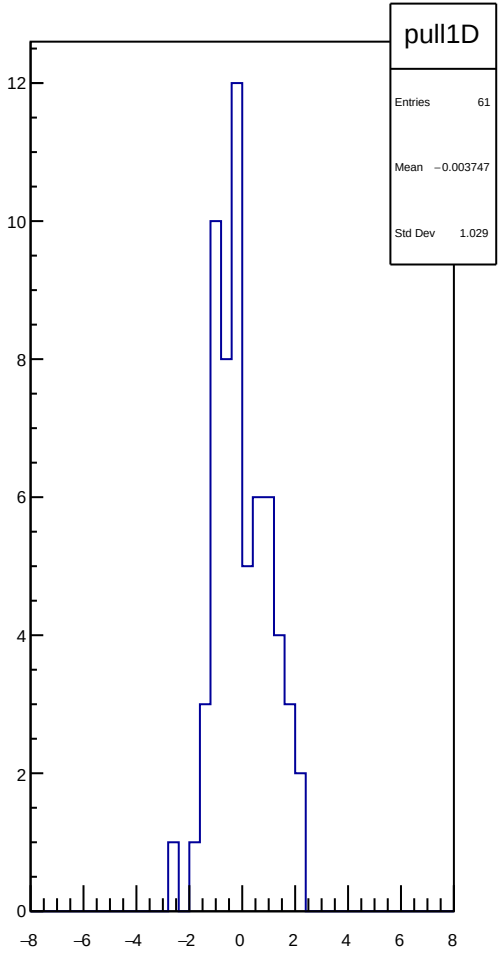

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2048 / 60
p0 172.8 ± 0.1583
210
200
190
180
170
160

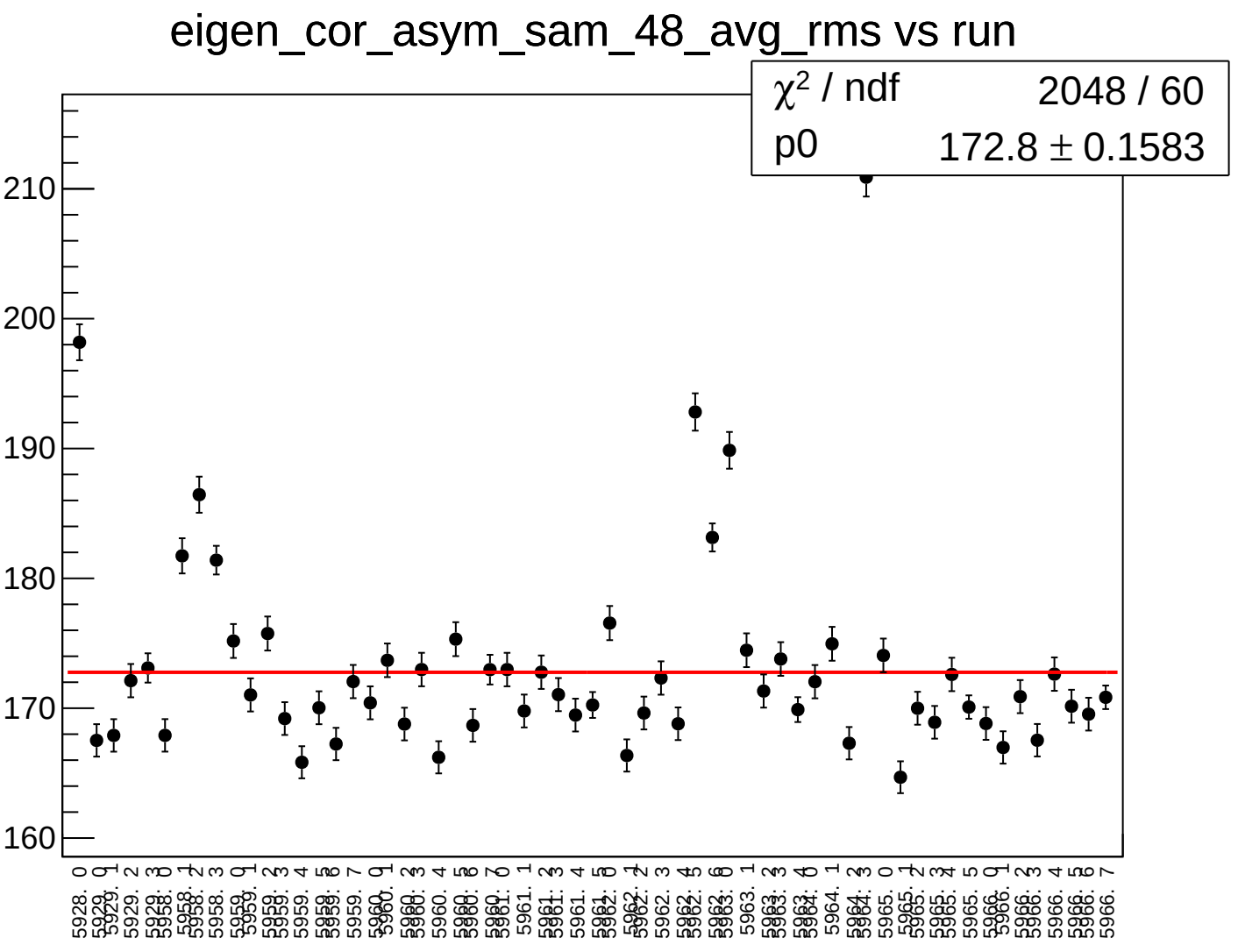

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 77.4 / 60
p0 −1524 ± 2596
×10³
pull
Entries 61
Mean −5.26
Std Dev 0

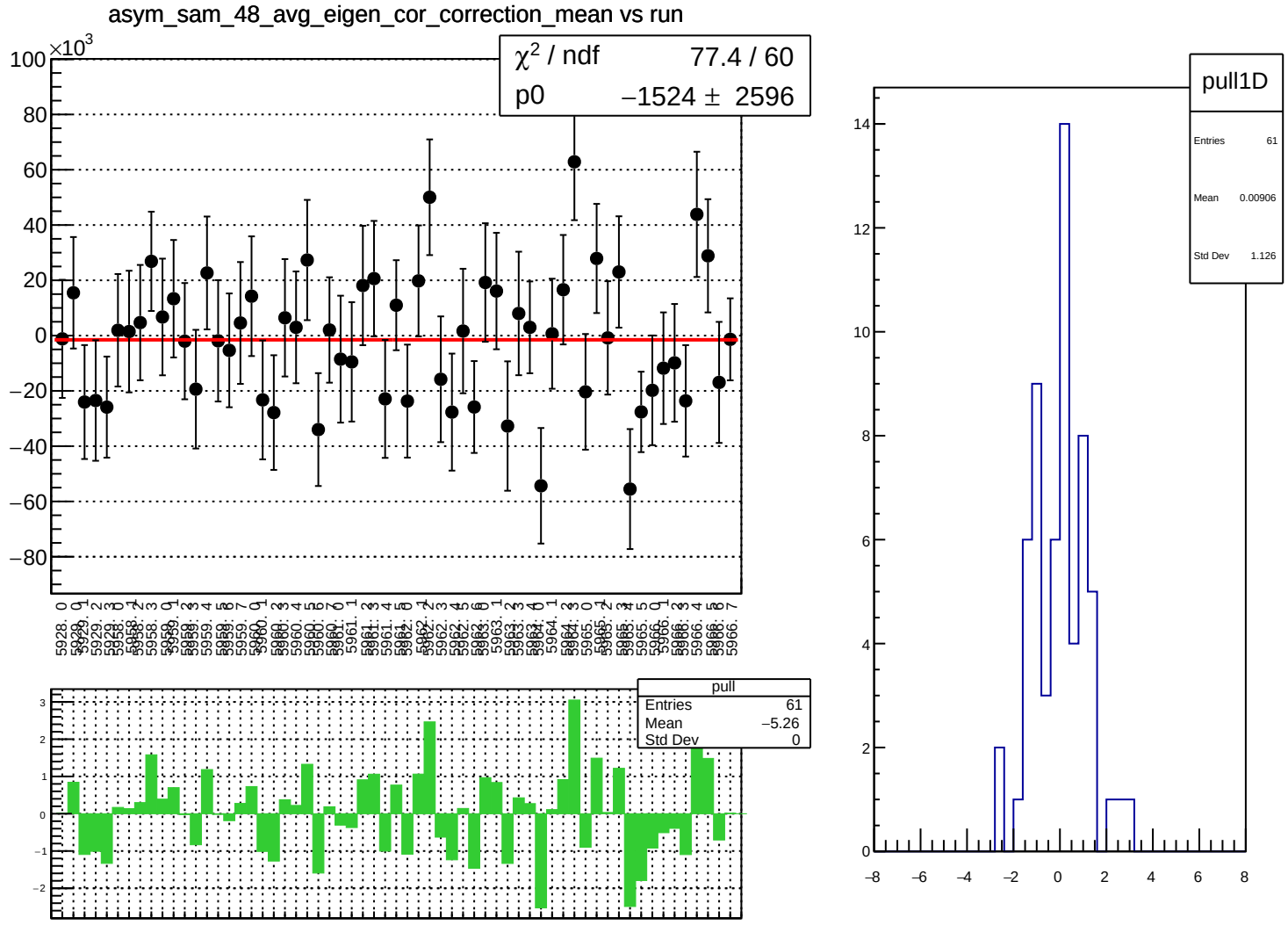

pull1D
Entries 61
Mean 0.00906
Std Dev 1.126

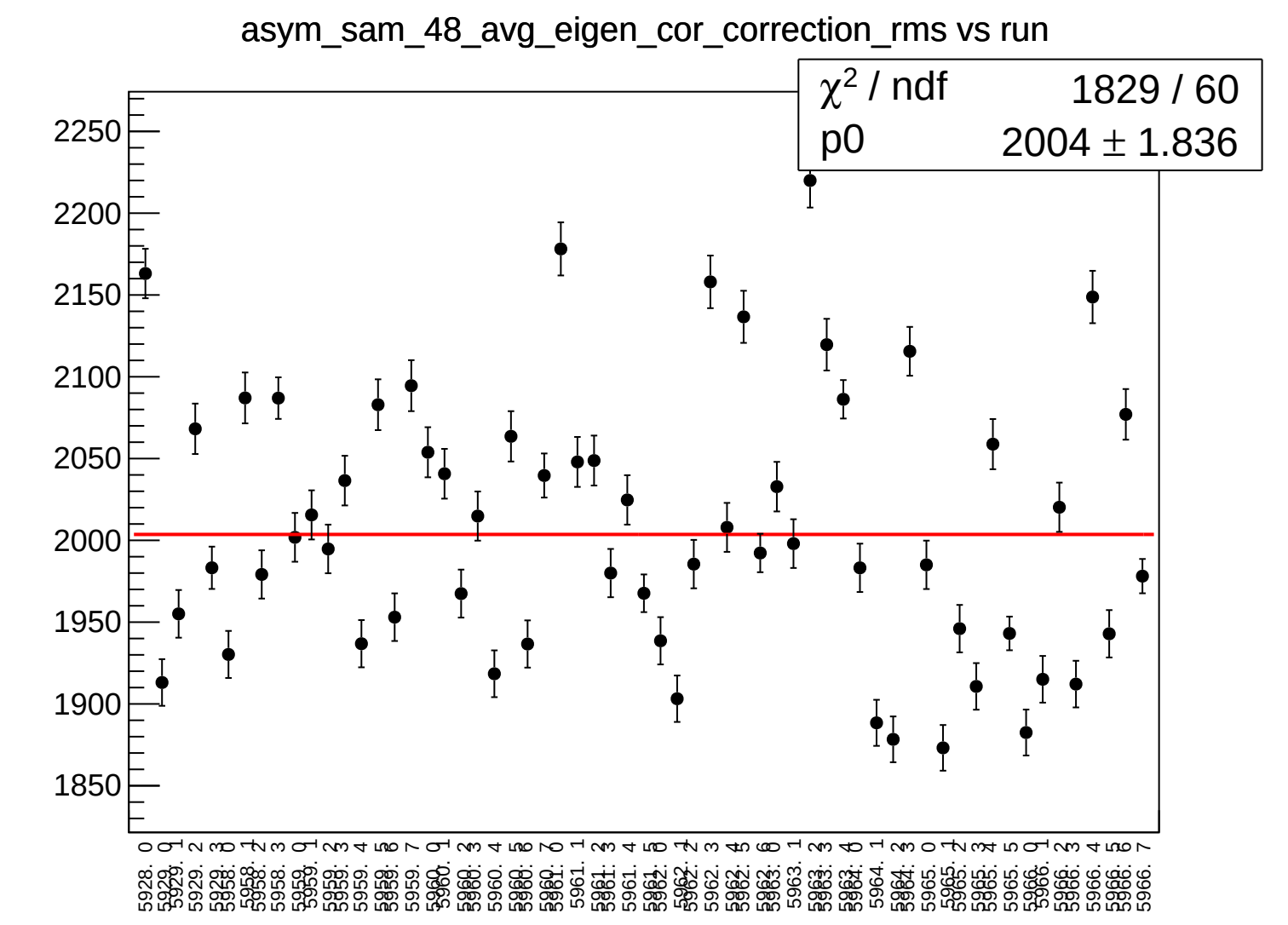

asym_sam_48_avg_cor_correction_rms vs run
χ^2 / ndf 1829 / 60
p0 2004 ± 1.836
2250
2200
2150
2100
2050
2000
1950
1900
1850

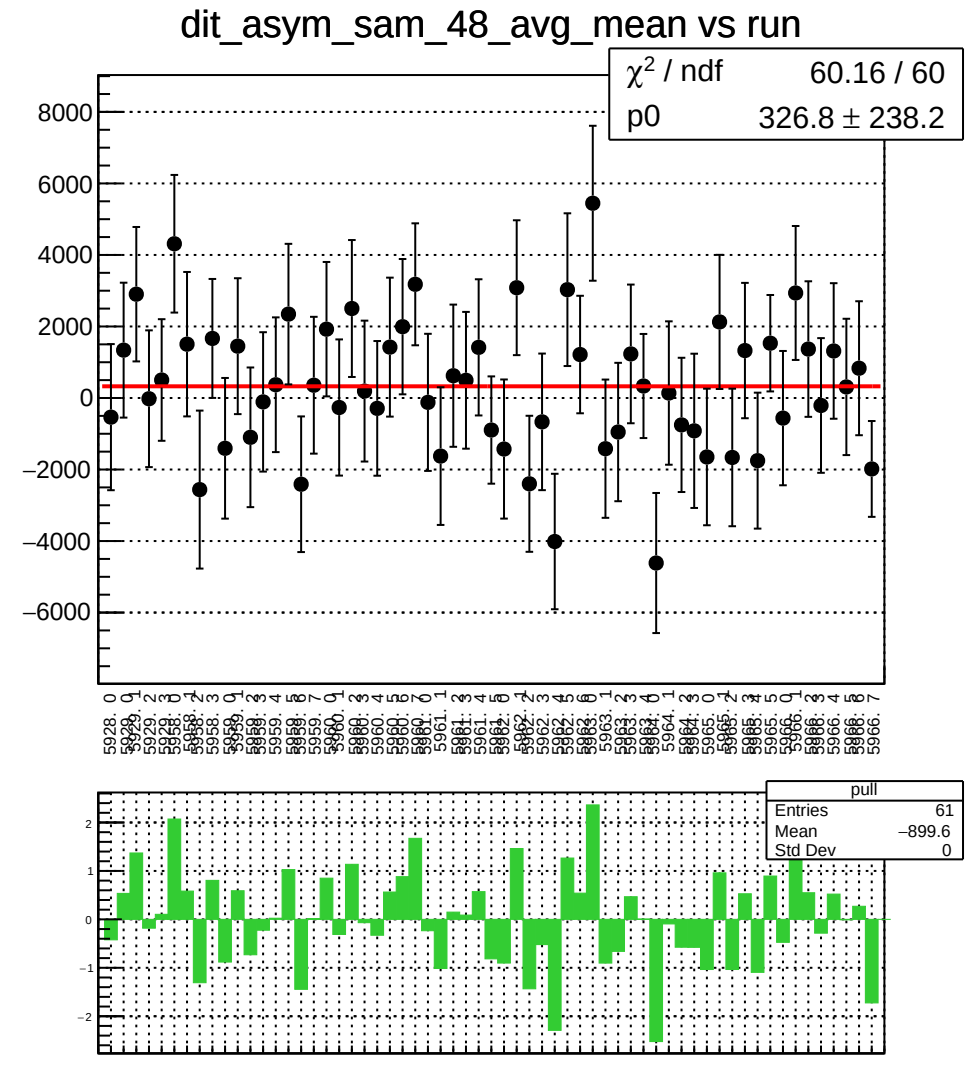

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 64.64 / 60
p0 392.1 ± 223.9
pull
Entries 61
Mean 635.3
Std Dev 0

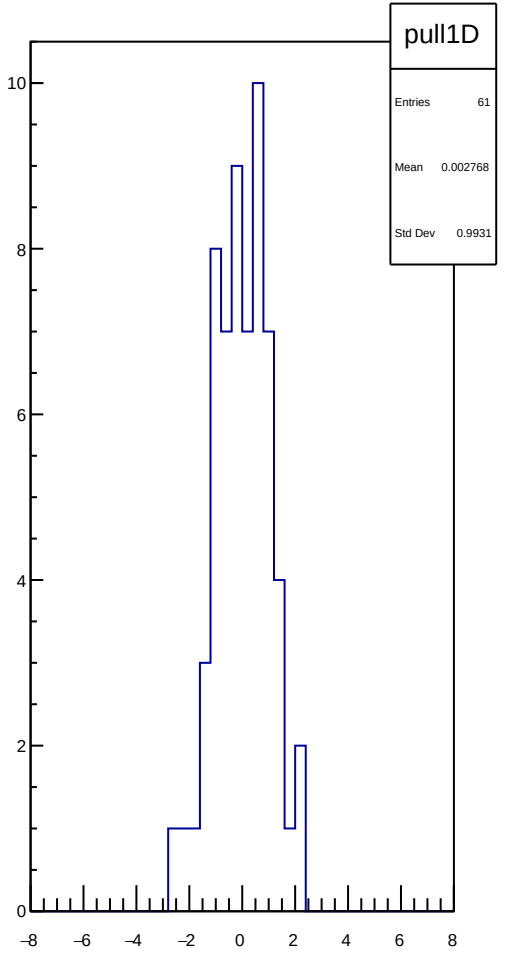

pull1D
Entries 61
Mean −0.003747
Std Dev 1.029

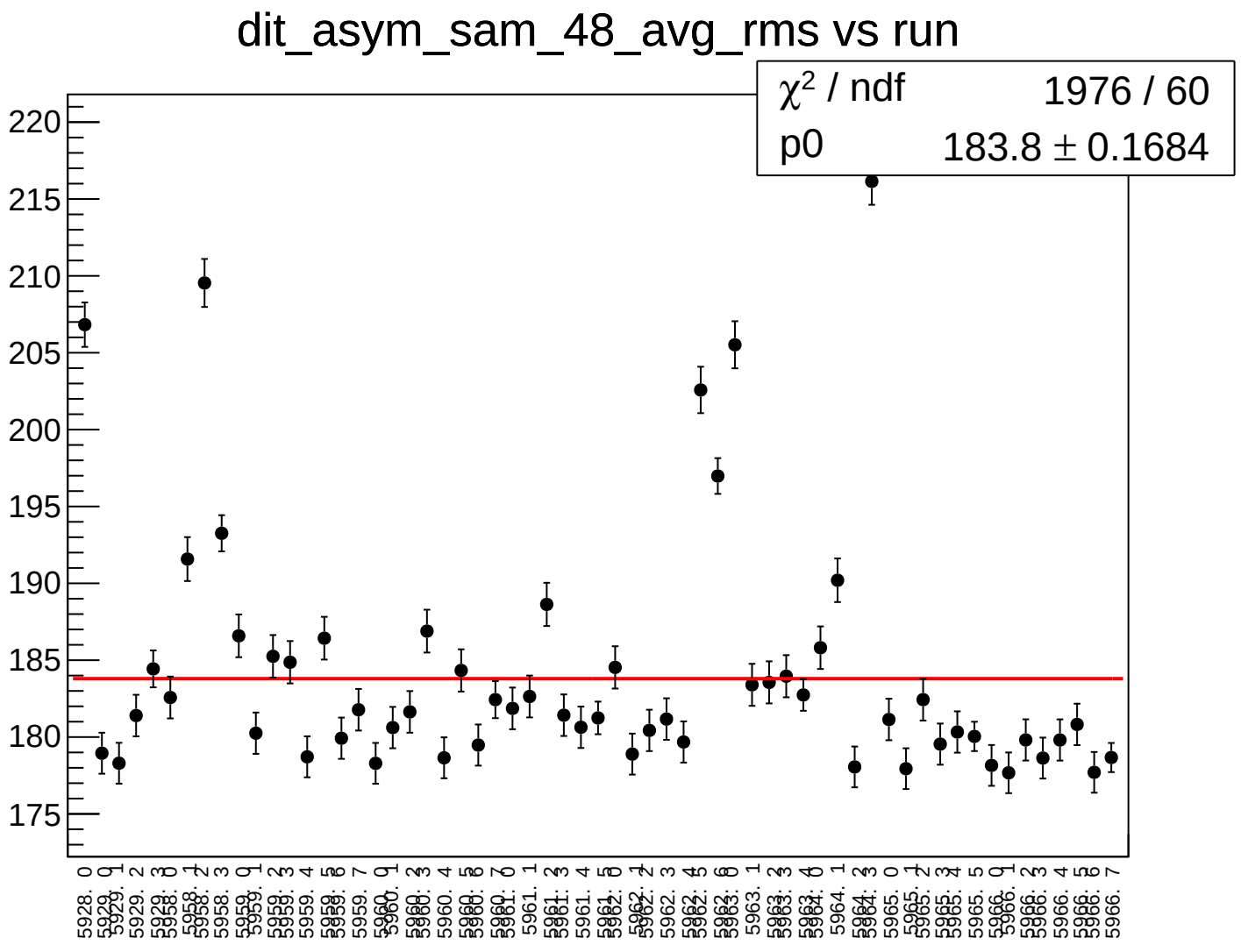

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 2048 / 60
p0 172.8 ± 0.1583
210
200
190
180
170
160

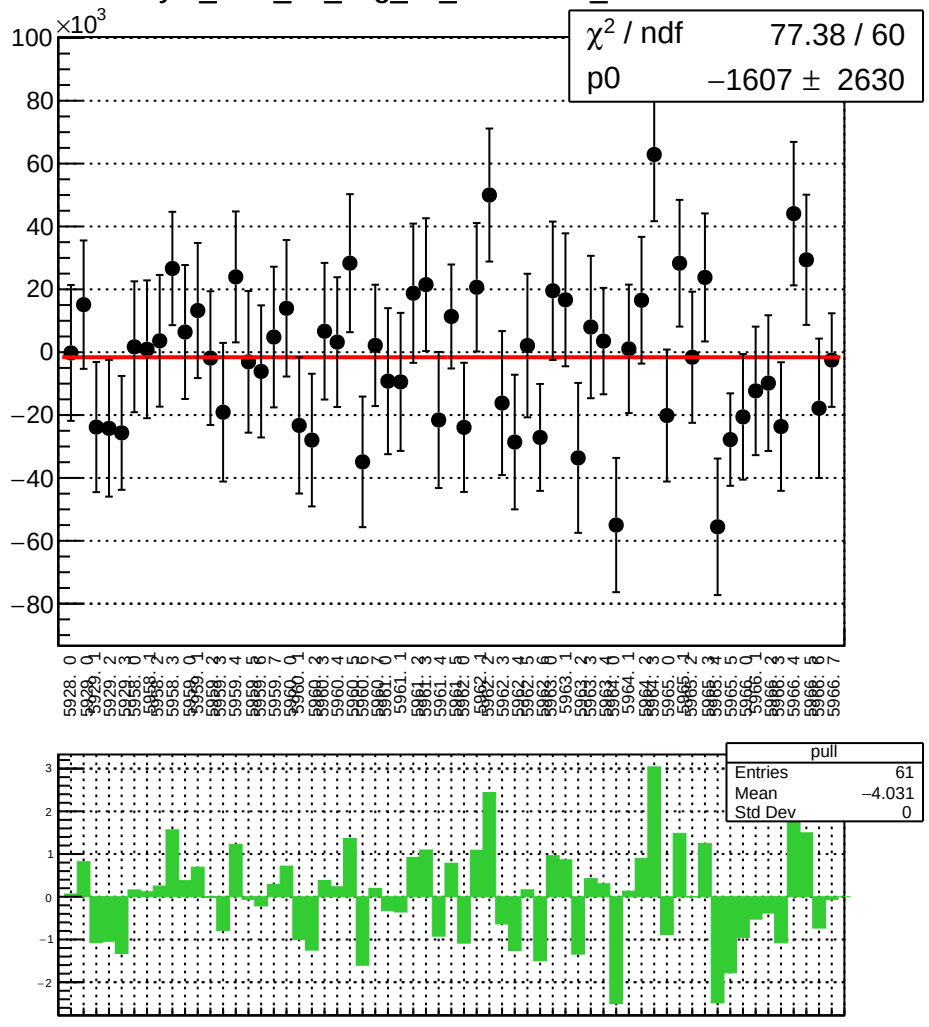

asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 77.4 / 60
p0 −1524 ± 2596
pull
Entries 61
Mean −5.26
Std Dev 0
pull1D
Entries 61
Mean 0.00906
Std Dev 1.126

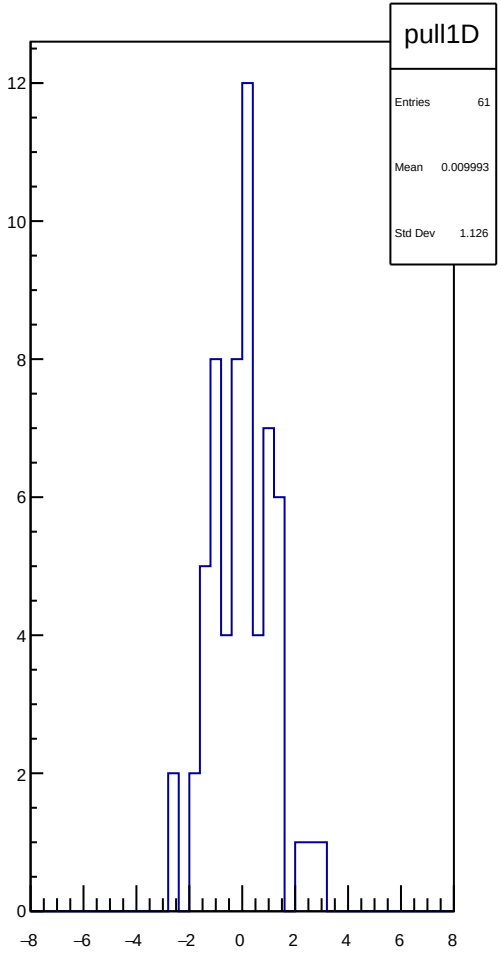

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1829 / 60
p0 2004 ± 1.836
2250
2200
2150
2100
2050
2000
1950
1900
1850

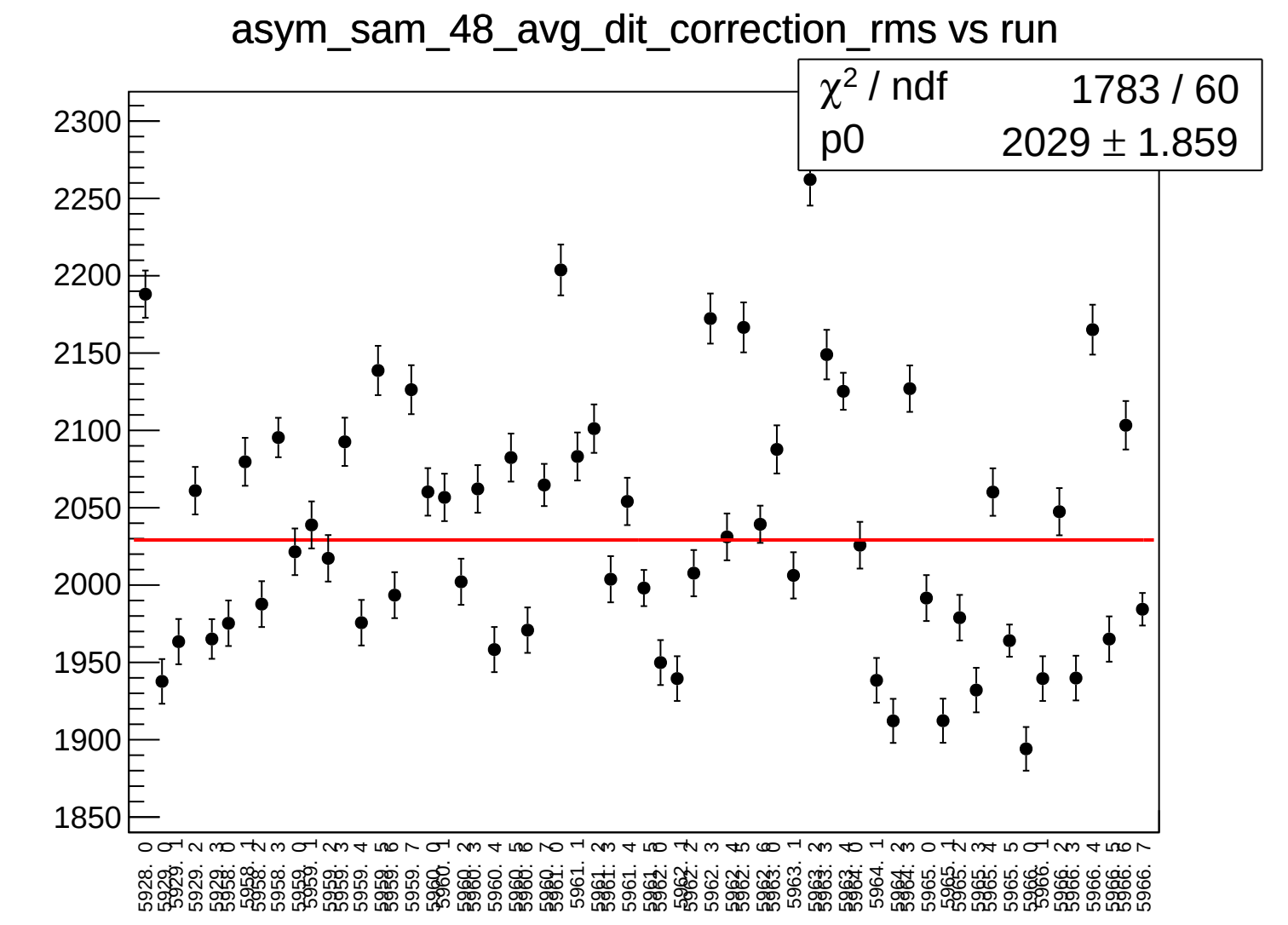

dit_asym_sam_48_avg_mean vs run
χ² / ndf 60.16 / 60
p0 326.8 ± 238.2
pull
Entries 61
Mean −899.6
Std Dev 0

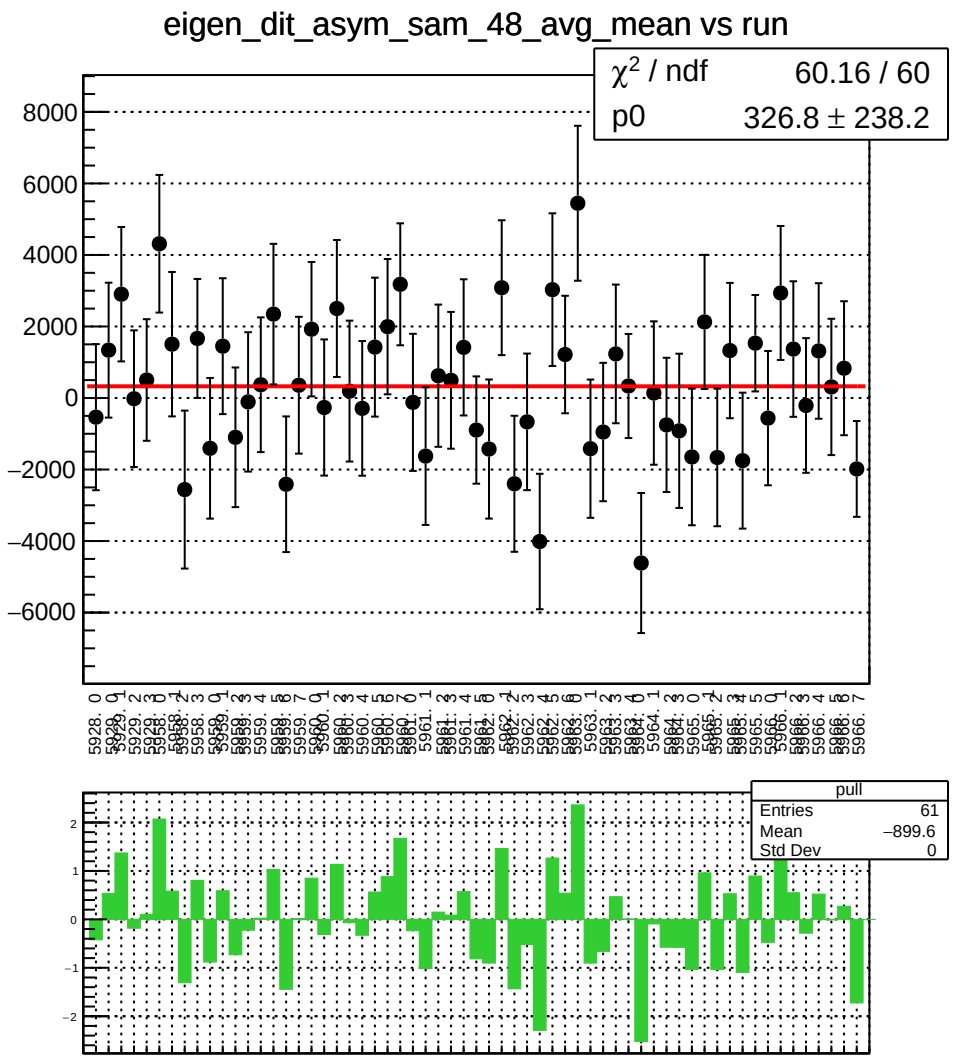

pull1D
Entries 61
Mean 0.002768
Std Dev 0.9931

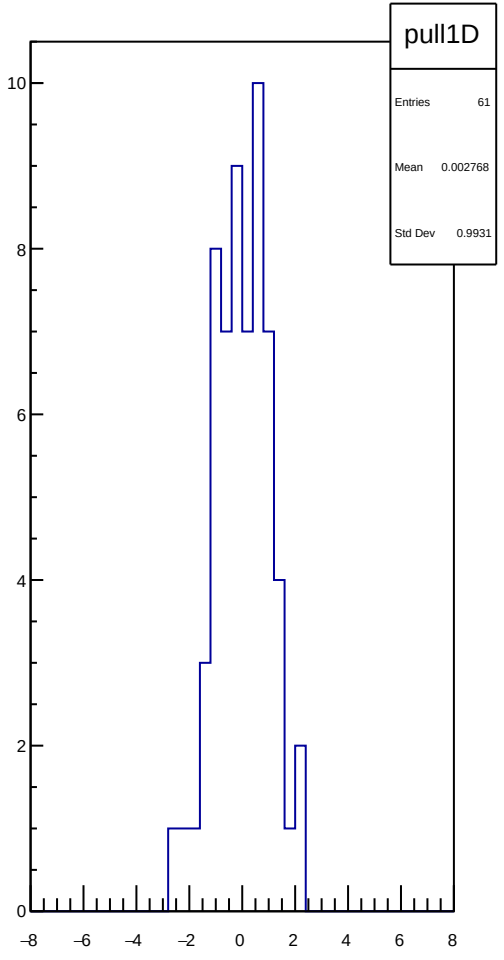

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1976 / 60
p0 183.8 ± 0.1684
220
215
210
205
200
195
190
185
180
175

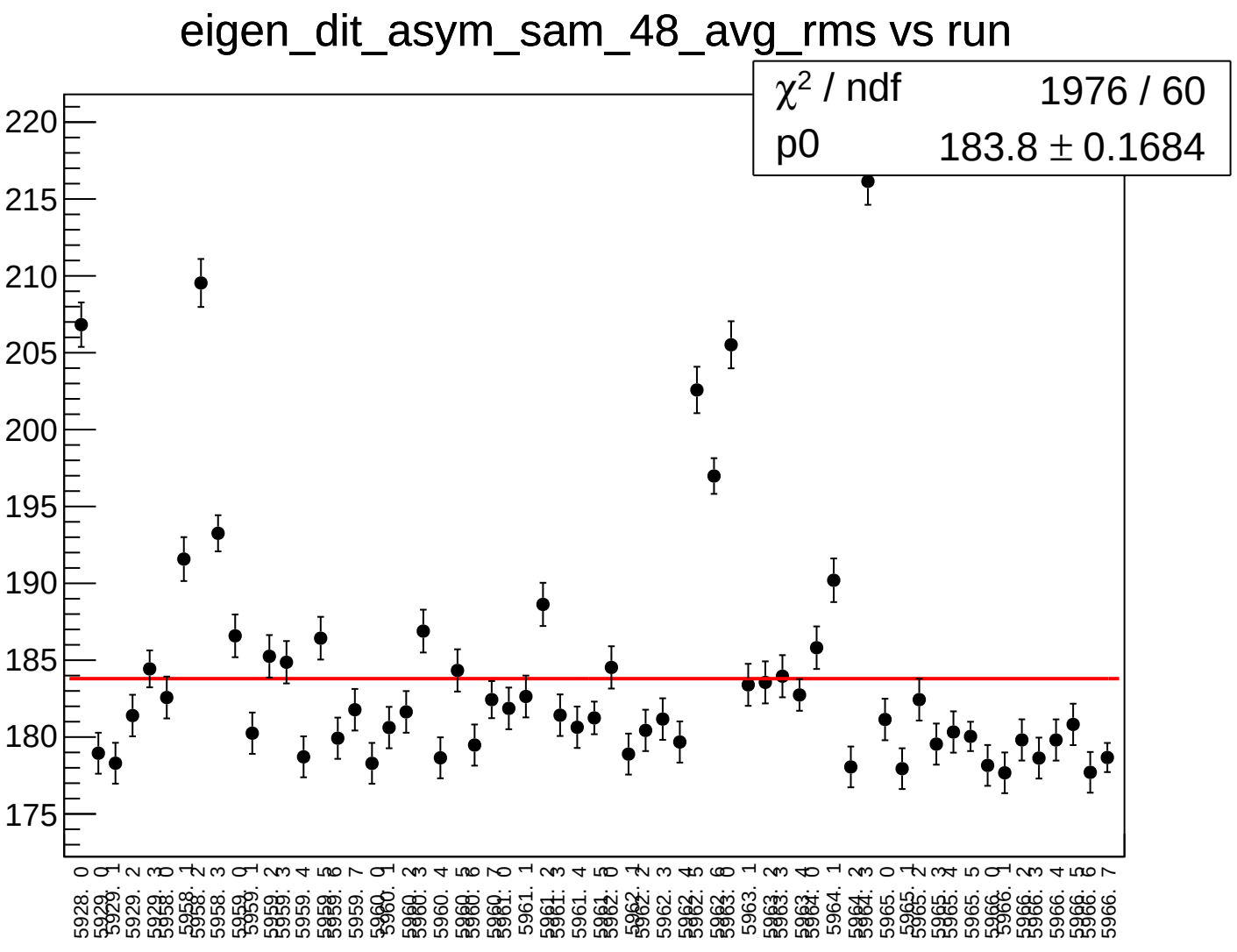

asym_sam_48_avg_dit_correction_mean vs run
×10^3
χ² / ndf 77.38 / 60
p0 −1607 ± 2630
pull
Entries 61
Mean −4.031
Std Dev 0

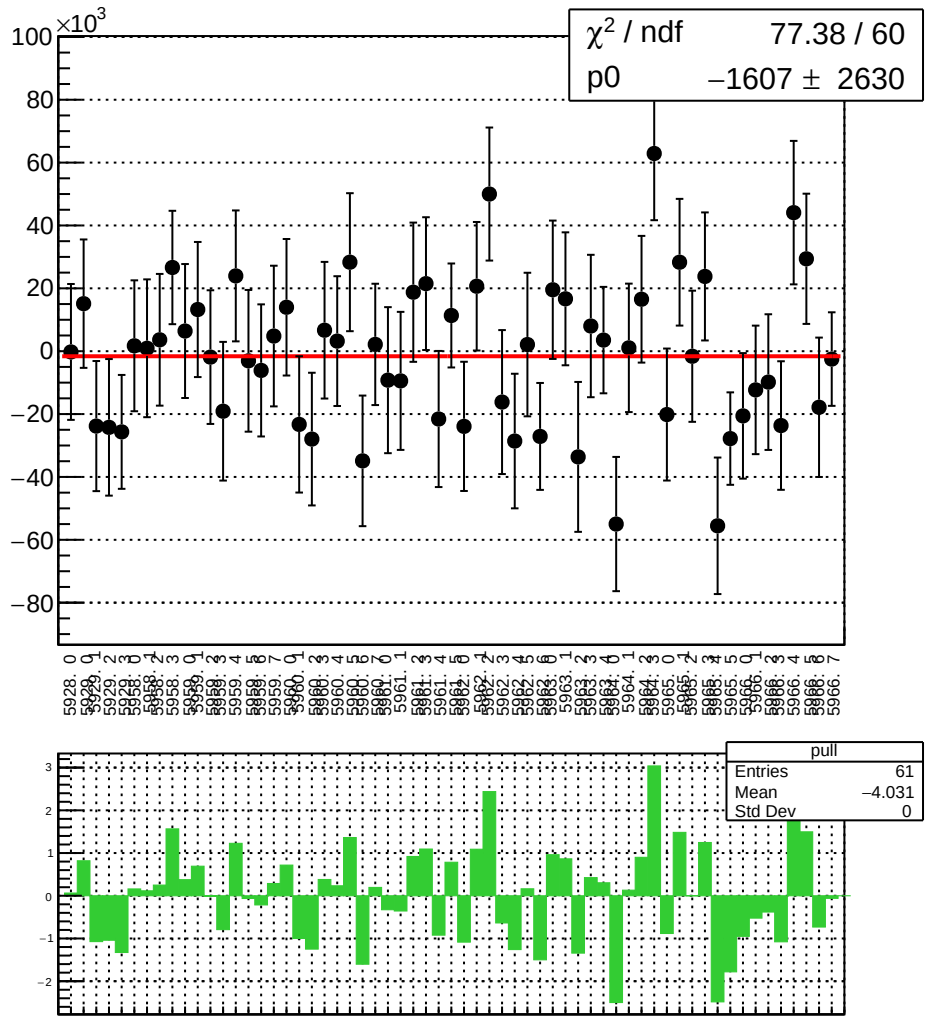

pull1D
Entries 61
Mean 0.009993
Std Dev 1.126

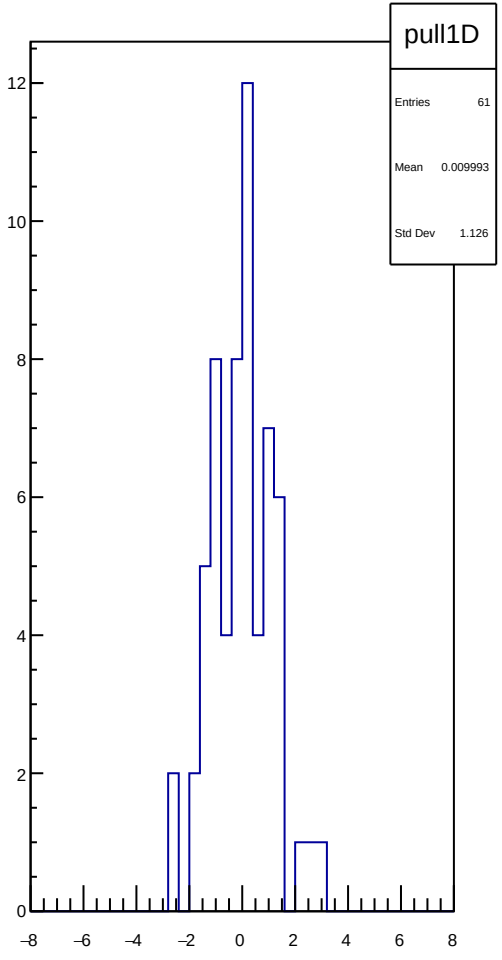

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1783 / 60
p0 2029 ± 1.859
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

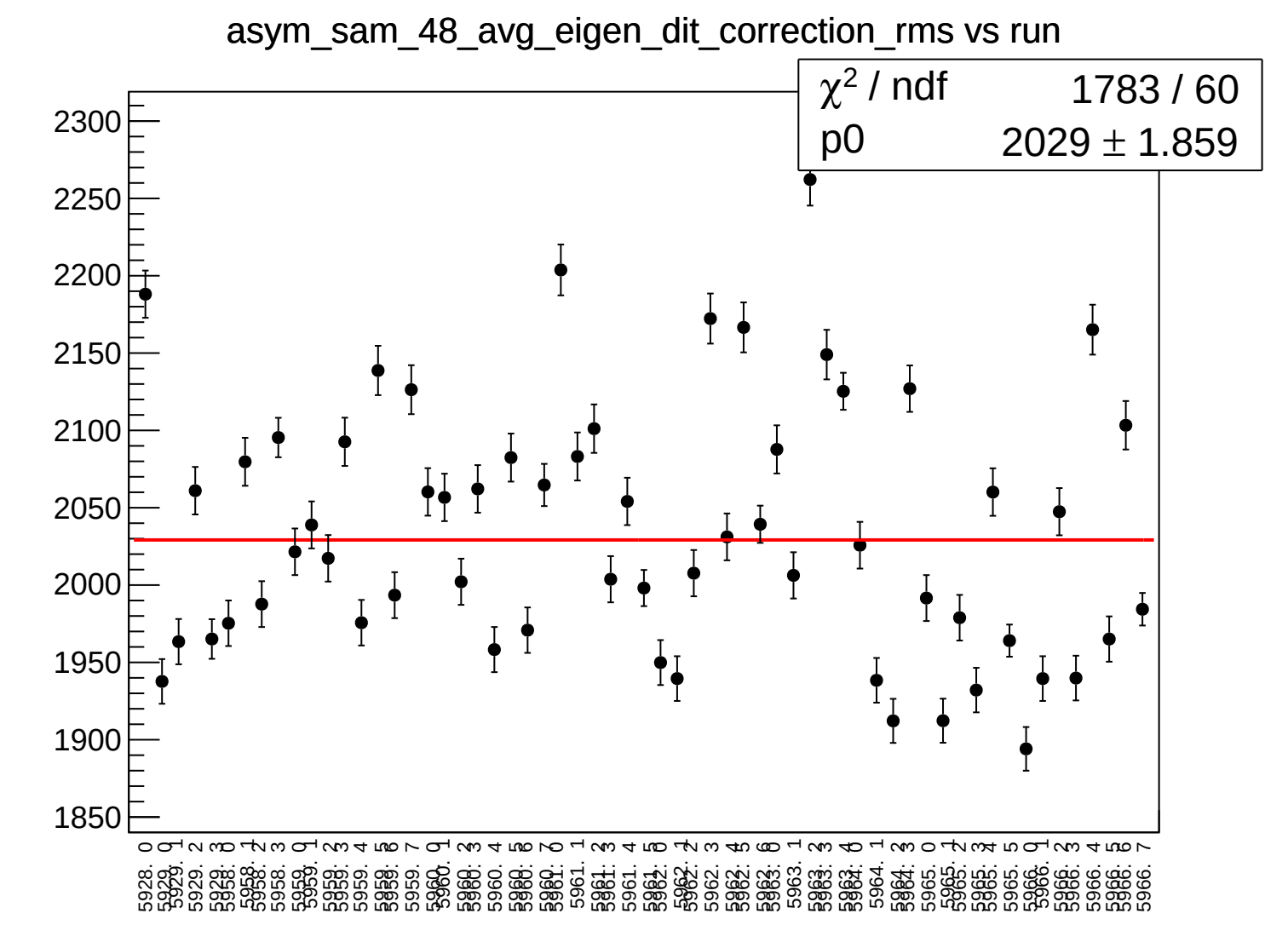

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 60.16 / 60
p0 326.8 ± 238.2
pull
Entries 61
Mean −899.6
Std Dev 0

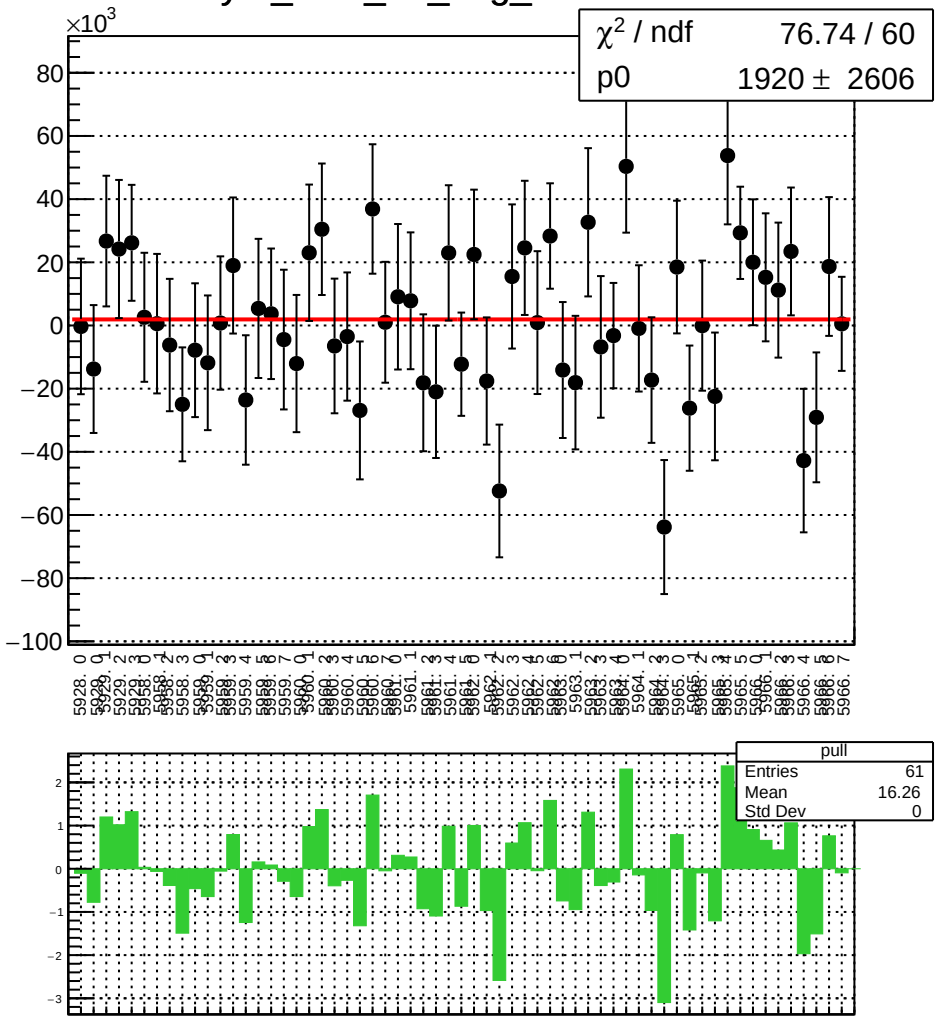

pull1D
Entries 61
Mean 0.002768
Std Dev 0.9931

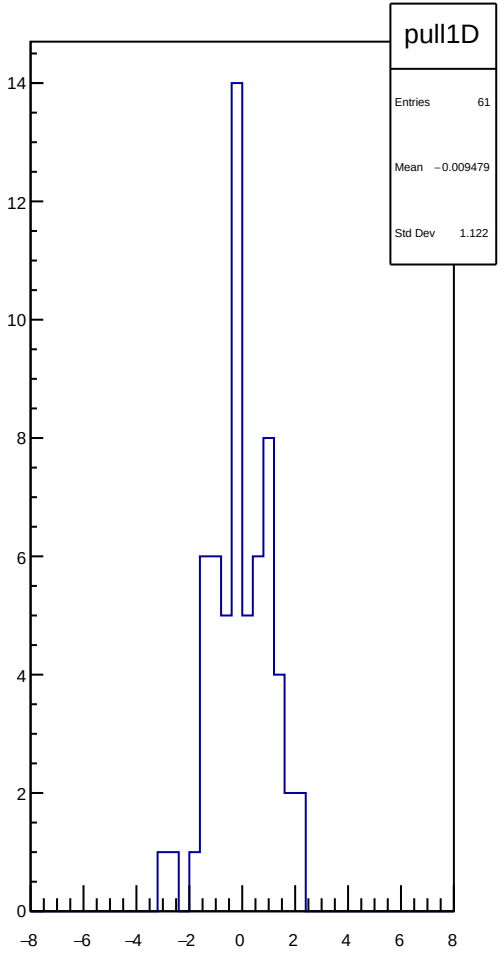

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 1976 / 60
p0 183.8 ± 0.1684
220
215
210
205
200
195
190
185
180
175

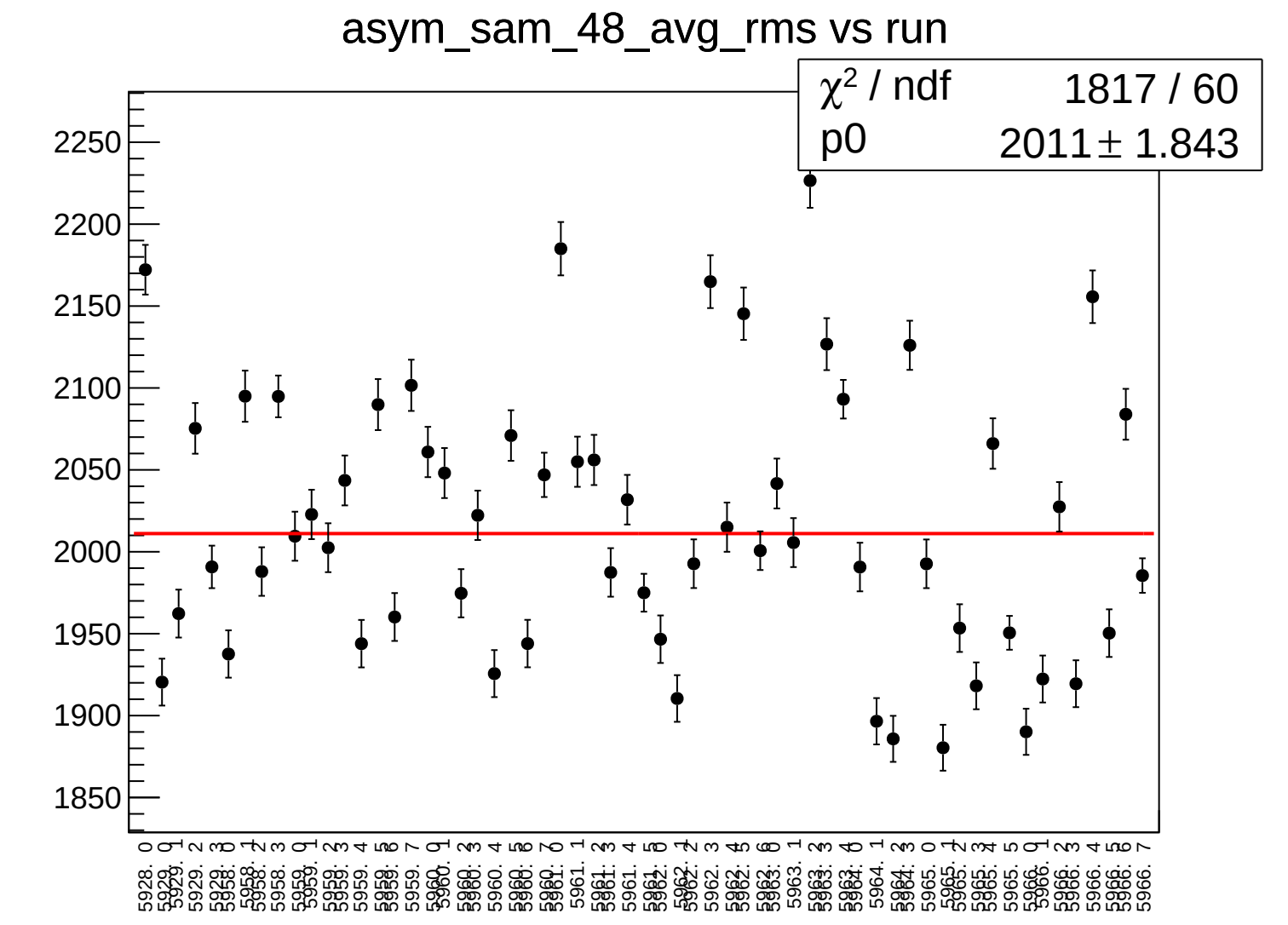

asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 77.38 / 60
p0 −1607 ± 2630
pull
Entries 61
Mean −4.031
Std Dev 0

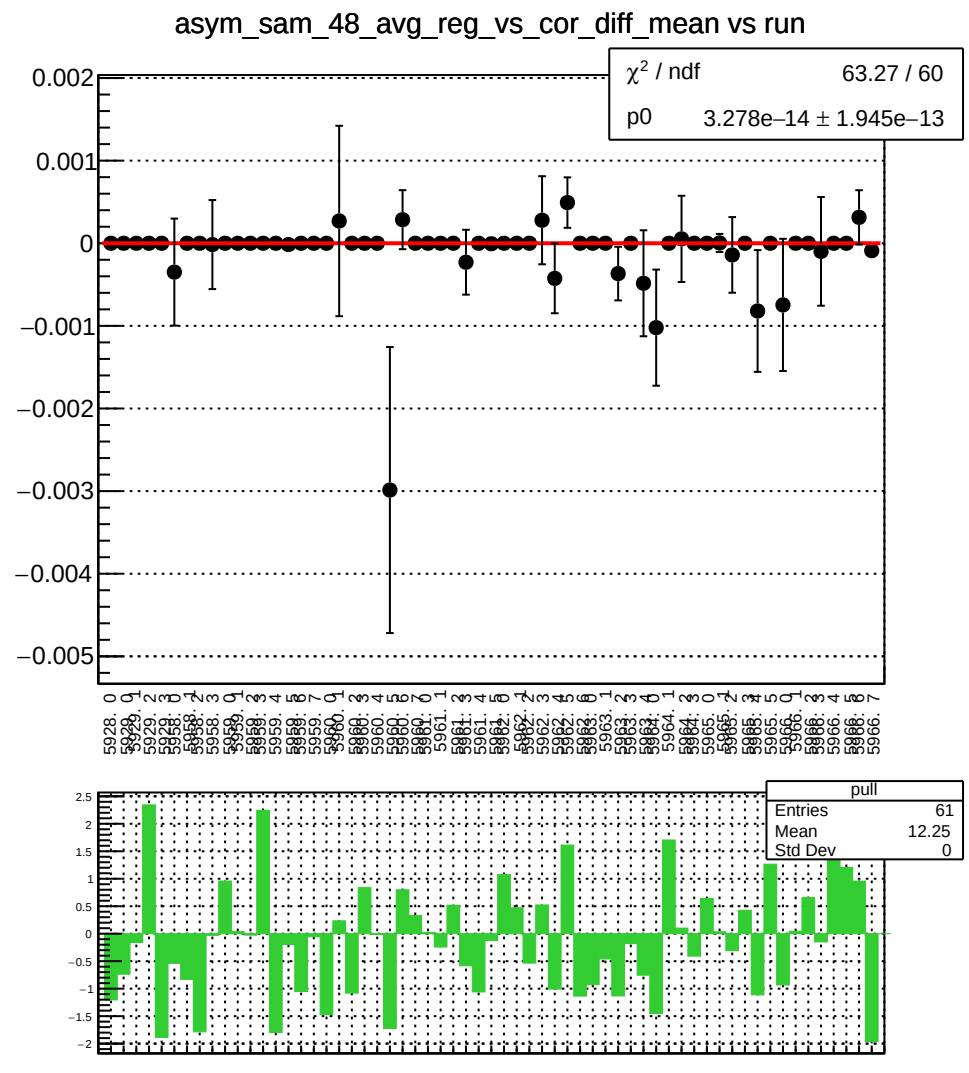

pull1D
Entries 61
Mean 0.009993
Std Dev 1.126

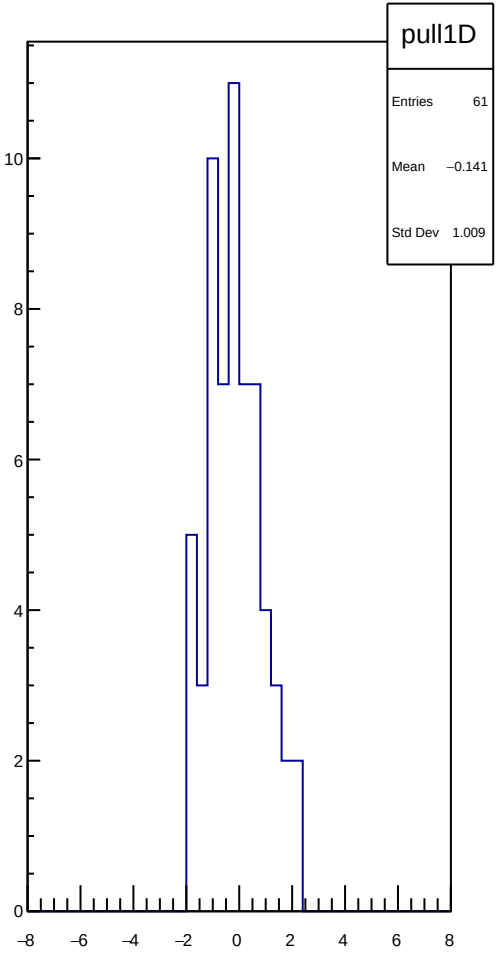

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1783 / 60
p0 2029 ± 1.859
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

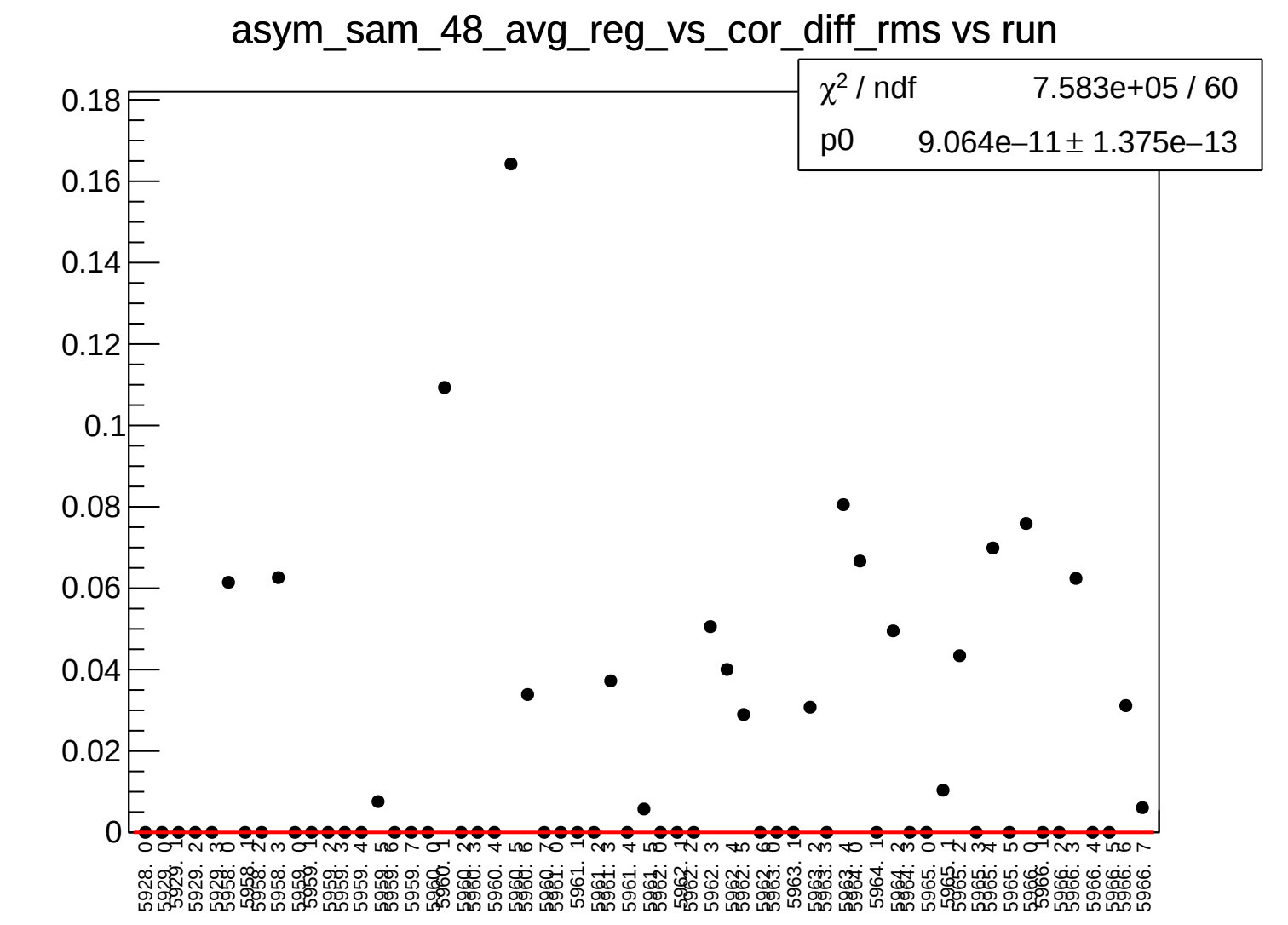

asym_sam_48_avg_mean vs run
χ² / ndf 76.74 / 60
p0 1920 ± 2606
×10³
pull
Entries 61
Mean 16.26
Std Dev 0

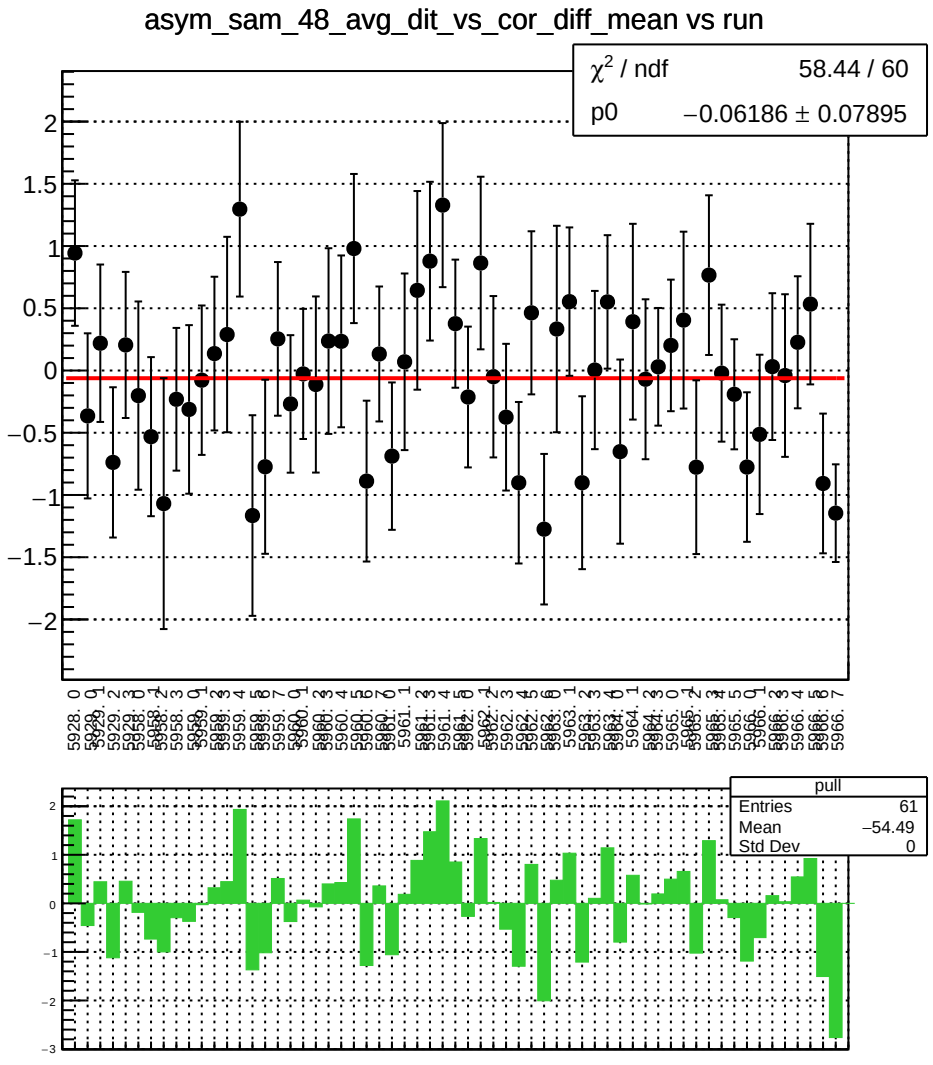

pull1D
Entries 61
Mean −0.009479
Std Dev 1.122

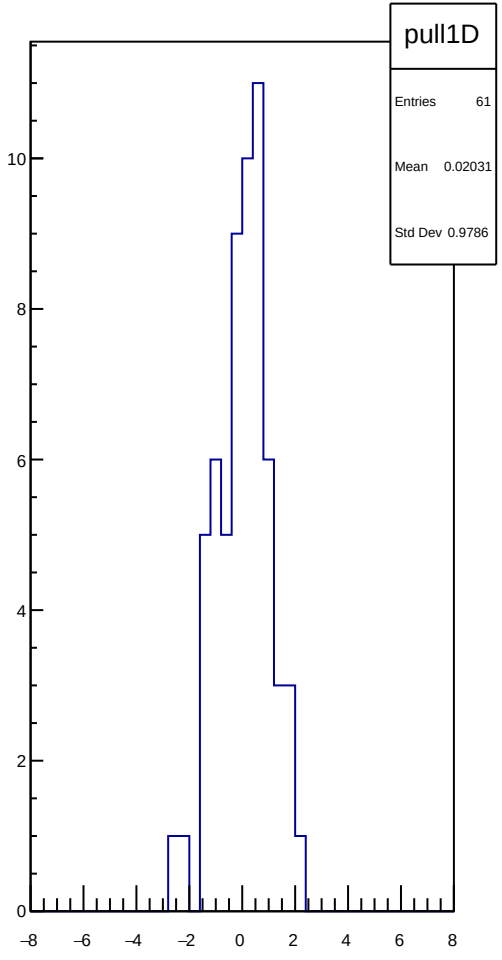

asym_sam_48_avg_rms vs run
χ² / ndf 1817 / 60
p0 2011 ± 1.843
2250
2200
2150
2100
2050
2000
1950
1900
1850

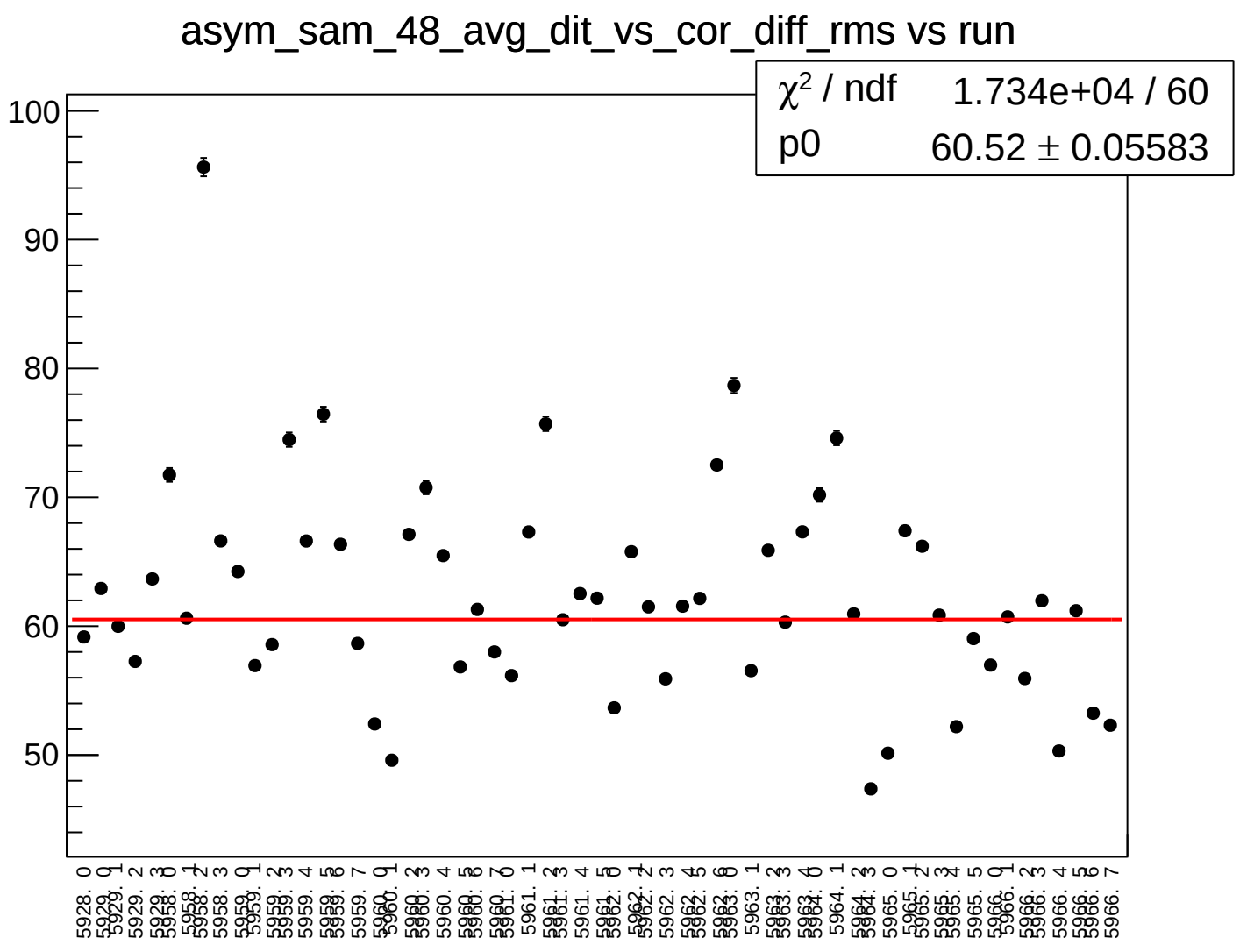

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 63.27 / 60
p0 3.278e−14 ± 1.945e−13
pull
Entries 61
Mean 12.25
Std Dev 0

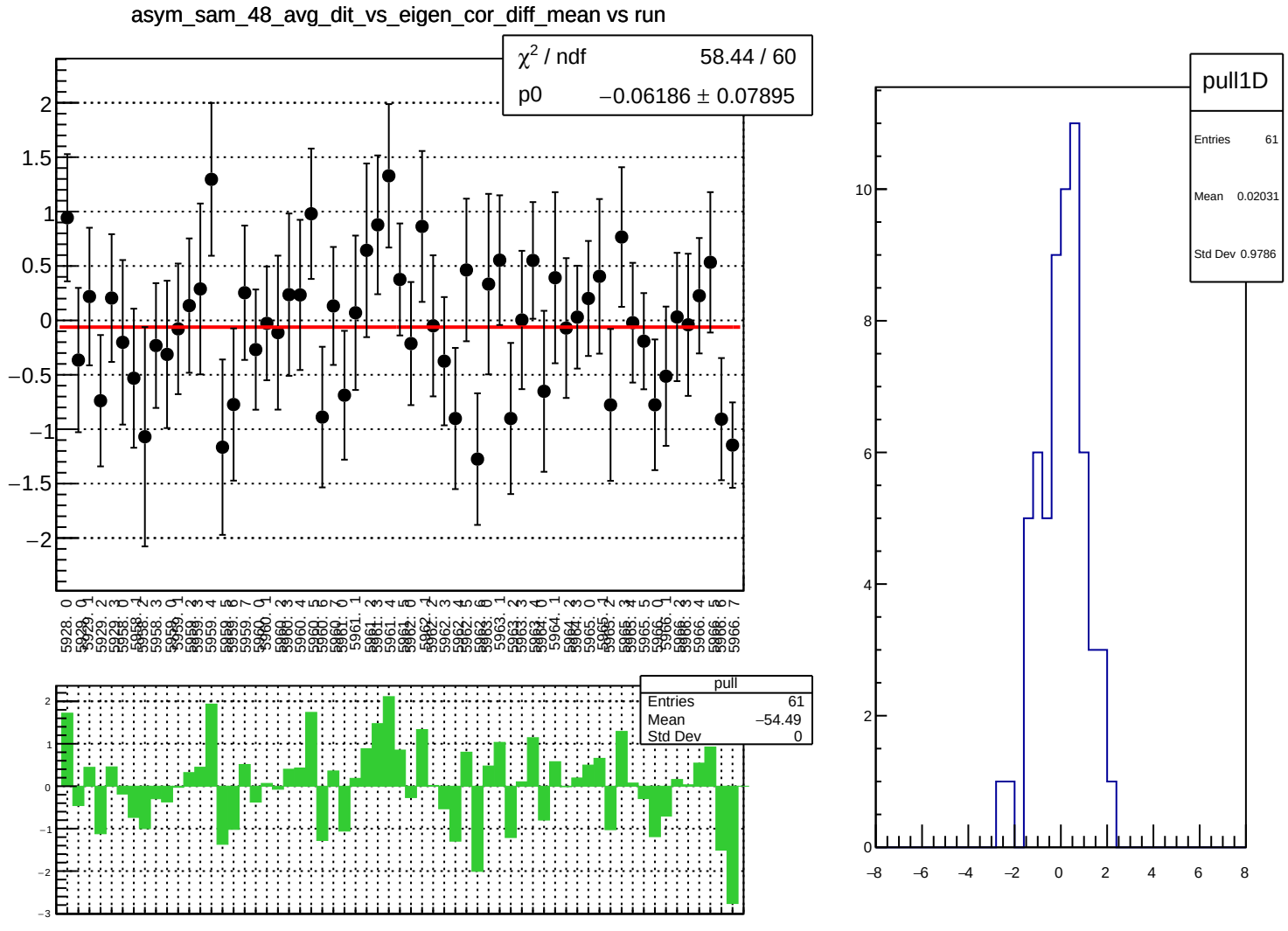

pull1D
Entries 61
Mean −0.141
Std Dev 1.009

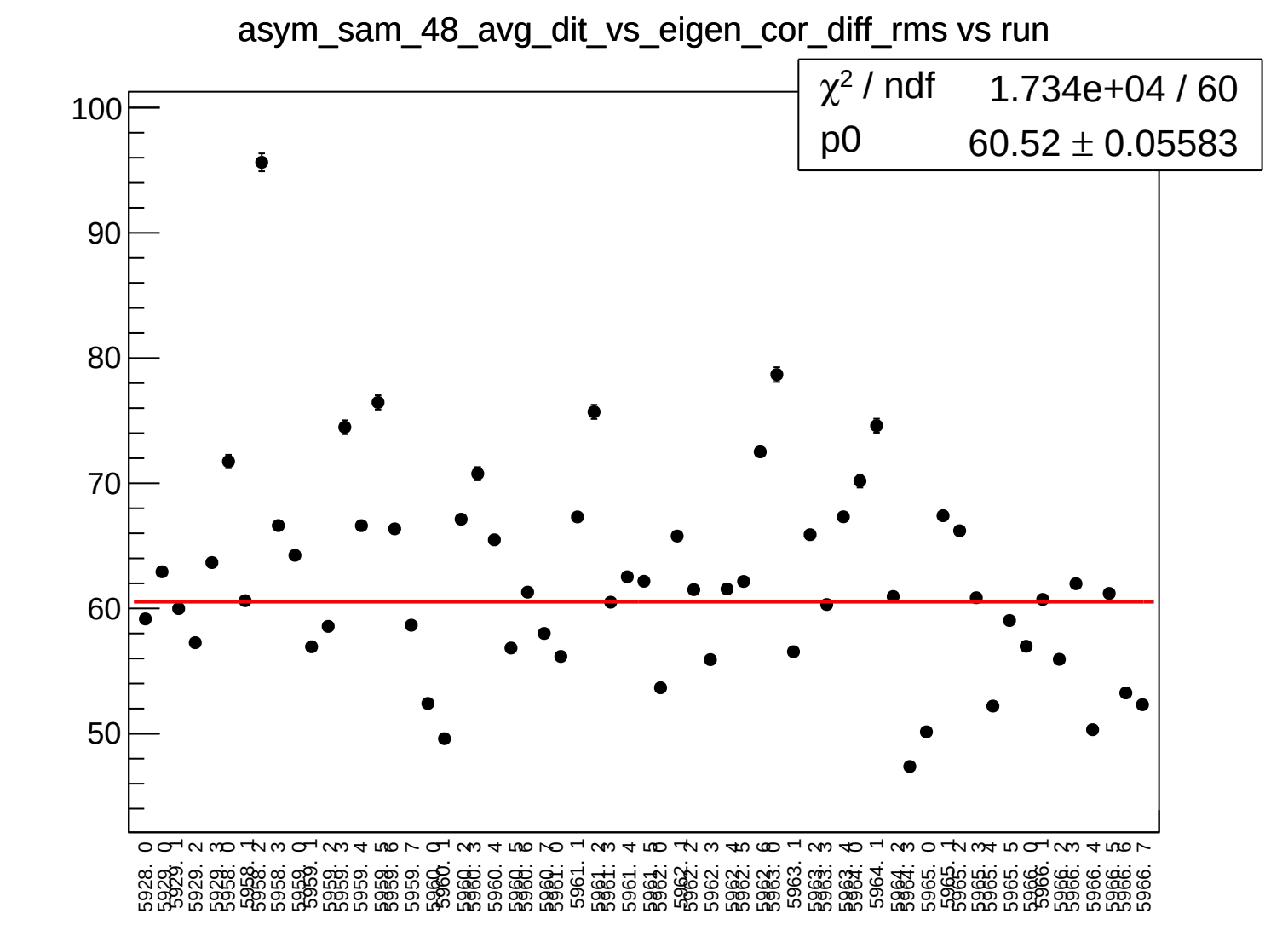

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.583e+05 / 60
p0 9.064e−11 ± 1.375e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

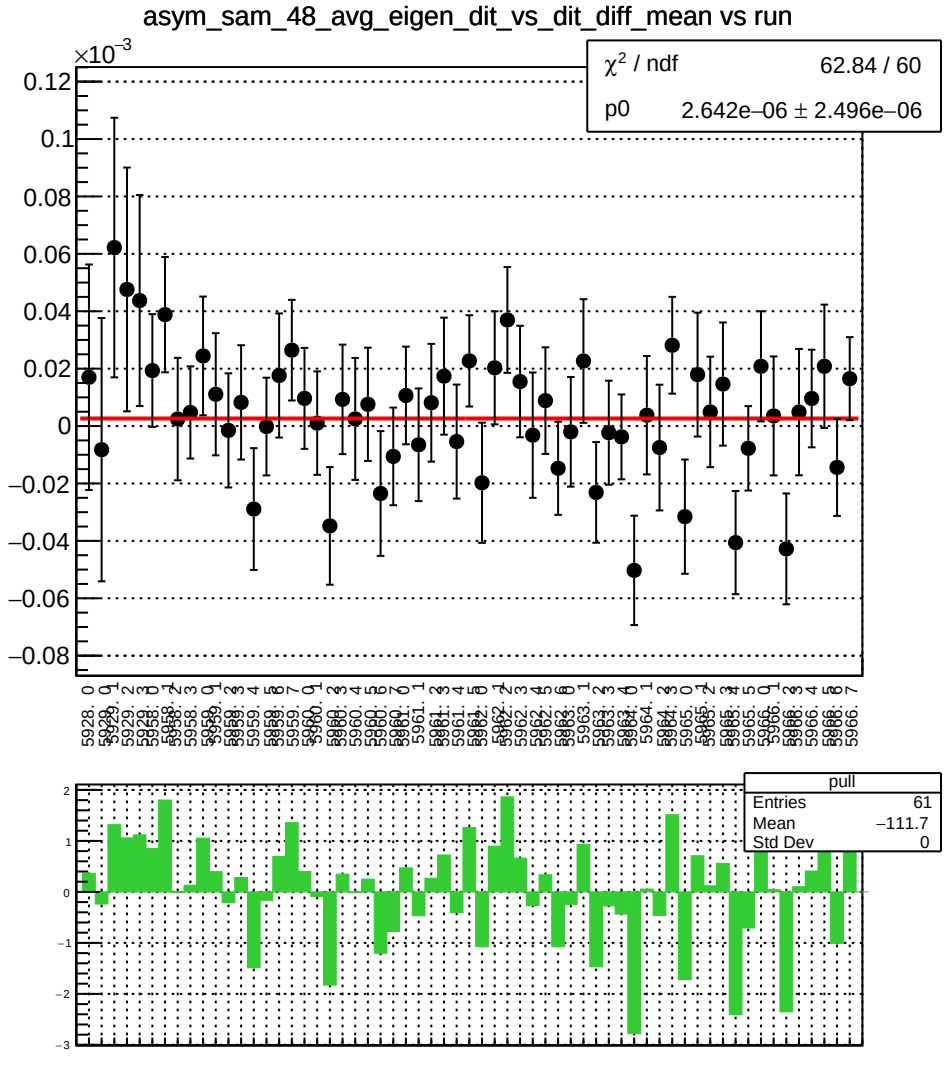

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.44 / 60
p0 −0.06186 ± 0.07895
pull
Entries 61
Mean −54.49
Std Dev 0

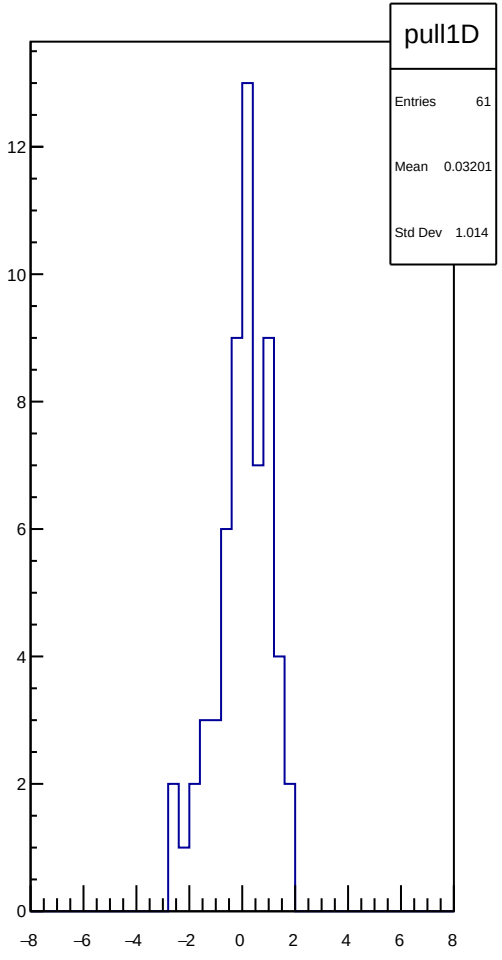

pull1D
Entries 61
Mean 0.02031
Std Dev 0.9786

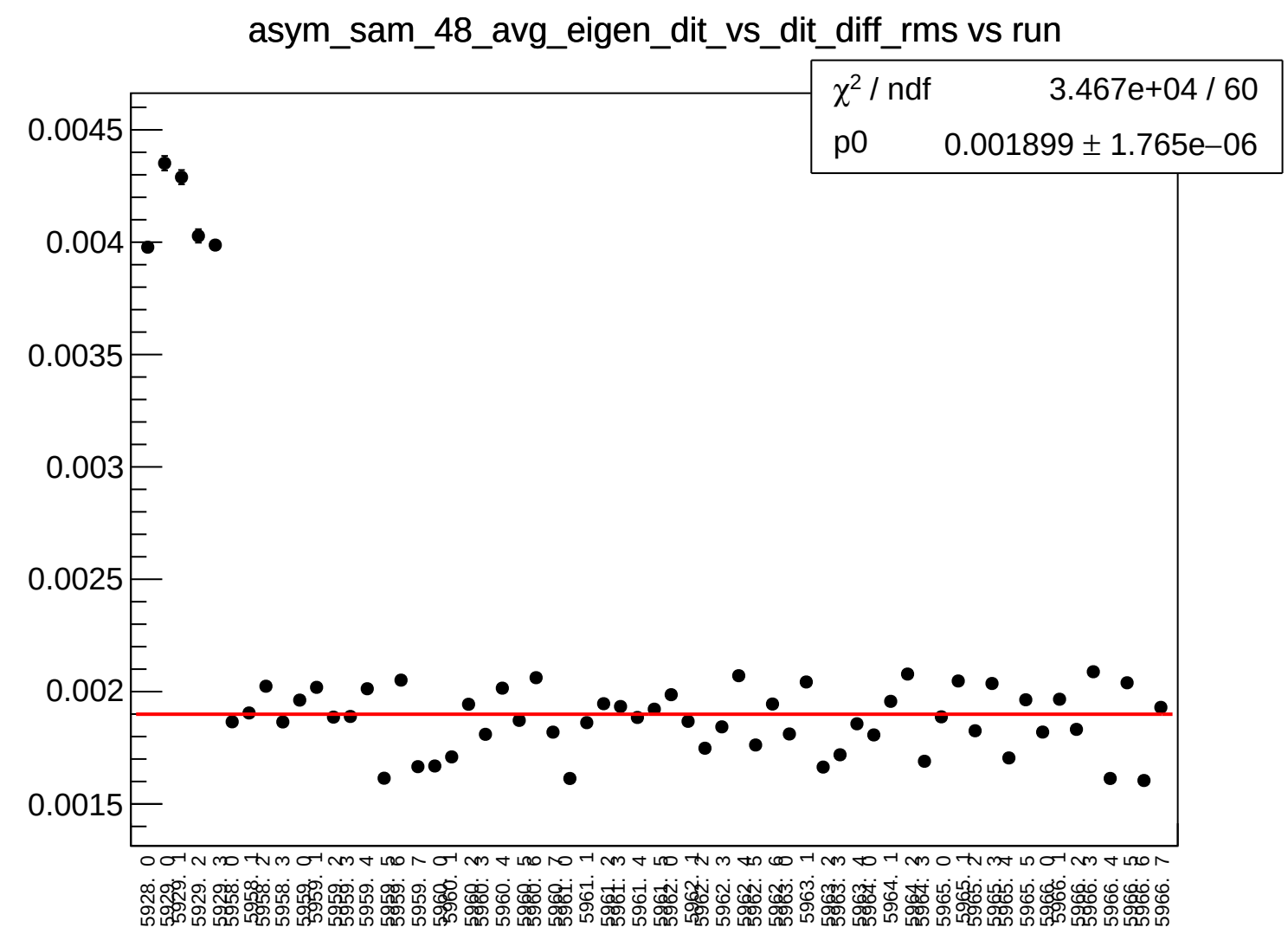

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.734e+04 / 60
p0 60.52 ± 0.05583
100
90
80
70
60
50

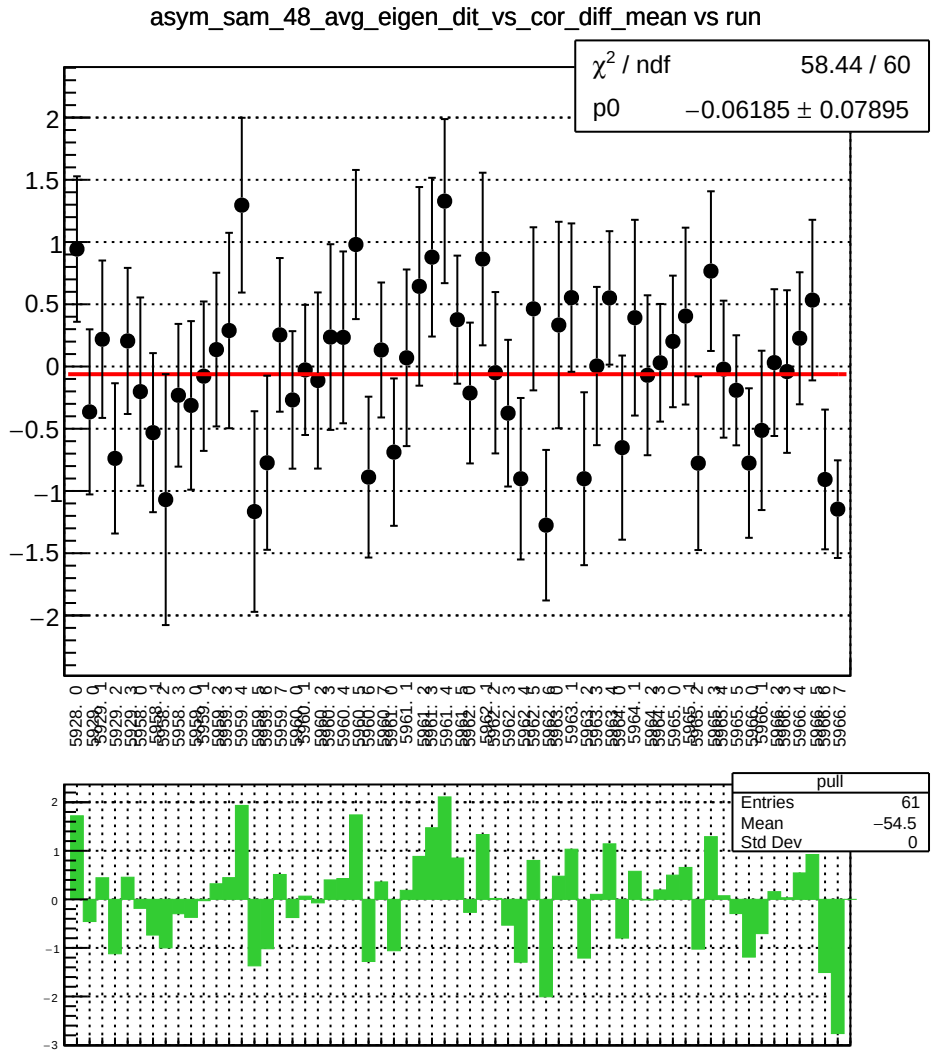

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.44 / 60
p0 −0.06186 ± 0.07895
pull
Entries 61
Mean −54.49
Std Dev 0
pull1D
Entries 61
Mean 0.02031
Std Dev 0.9786

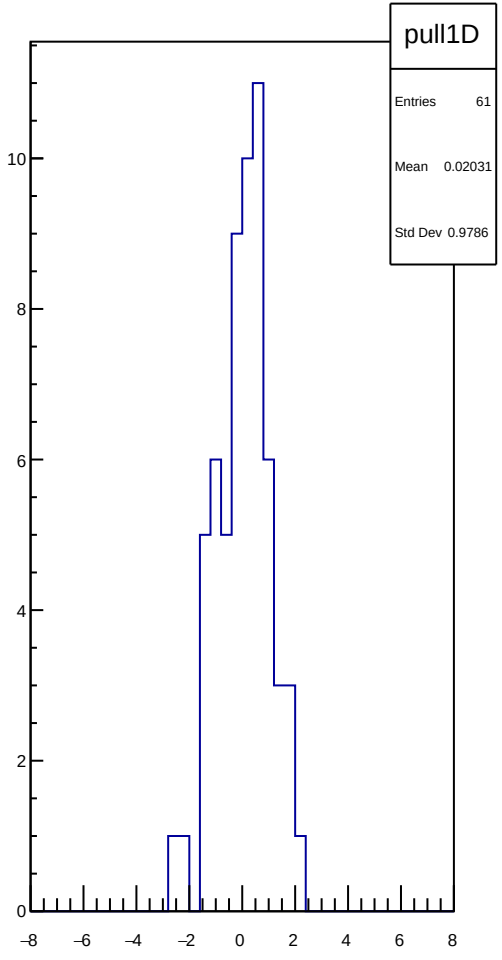

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.734e+04 / 60
p0 60.52 ± 0.05583
100
90
80
70
60
50

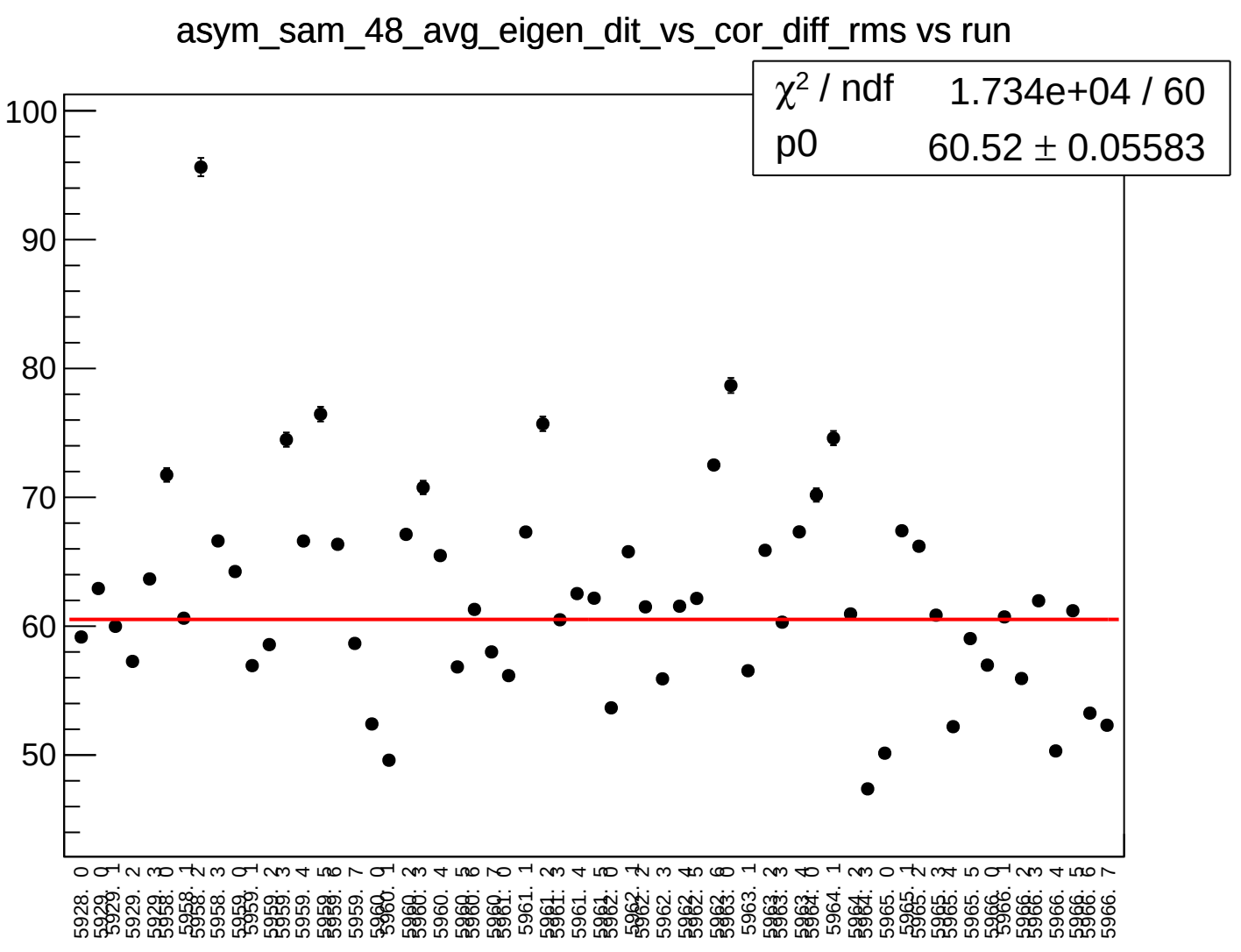

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.84 / 60
p0 2.642e−06 ± 2.496e−06
pull
Entries 61
Mean −111.7
Std Dev 0

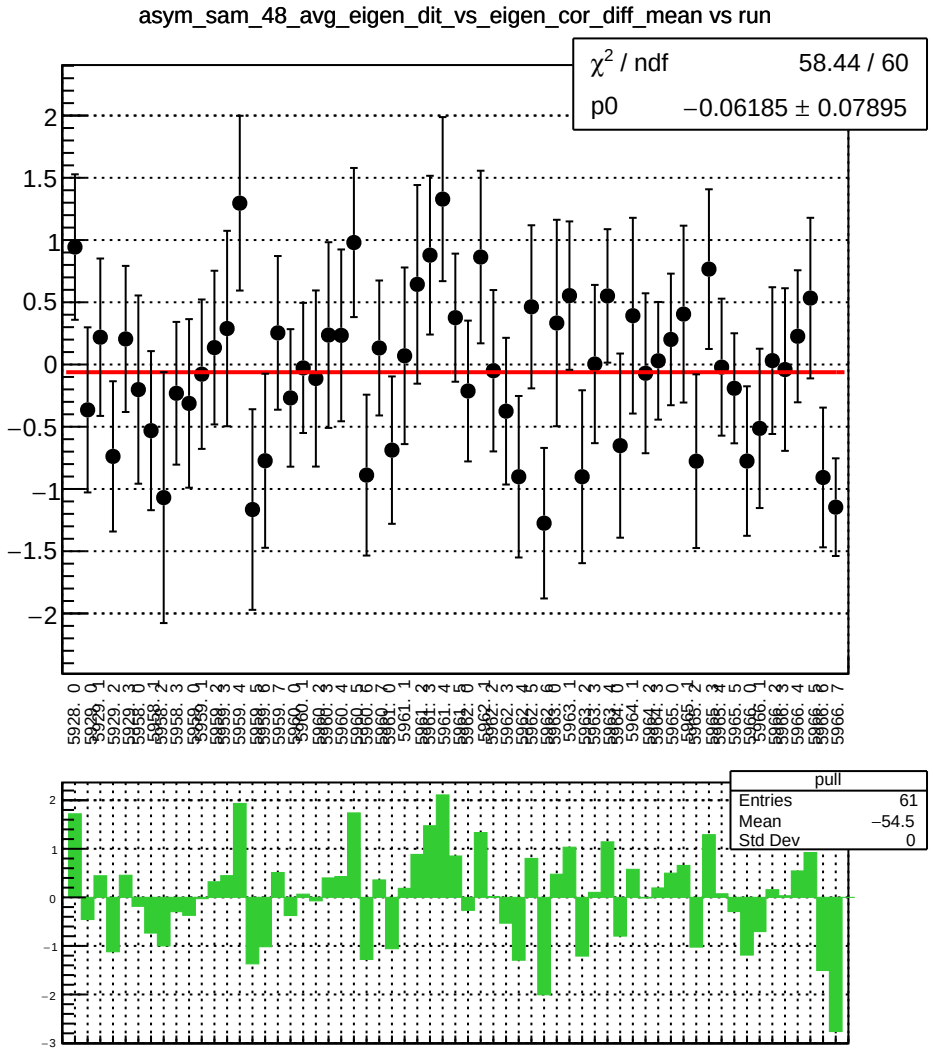

pull1D
Entries 61
Mean 0.03201
Std Dev 1.014

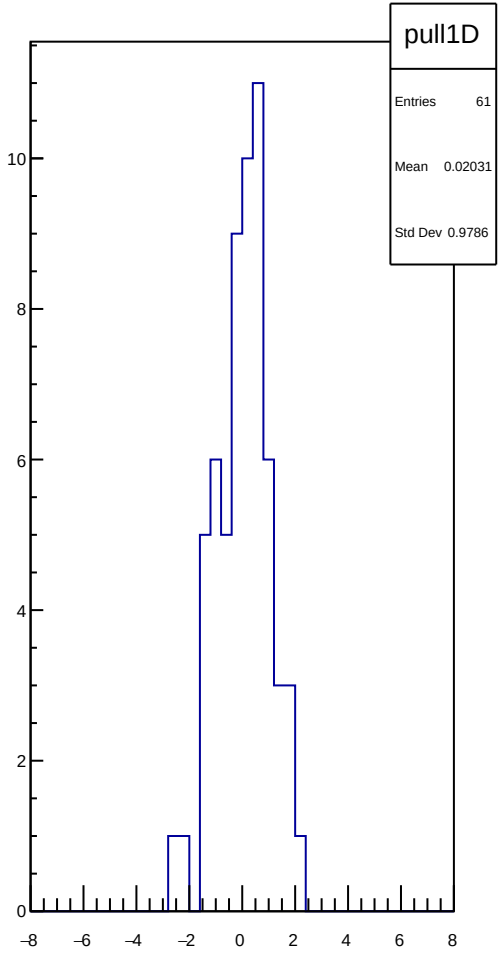

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.467e+04 / 60
p0 0.001899 ± 1.765e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

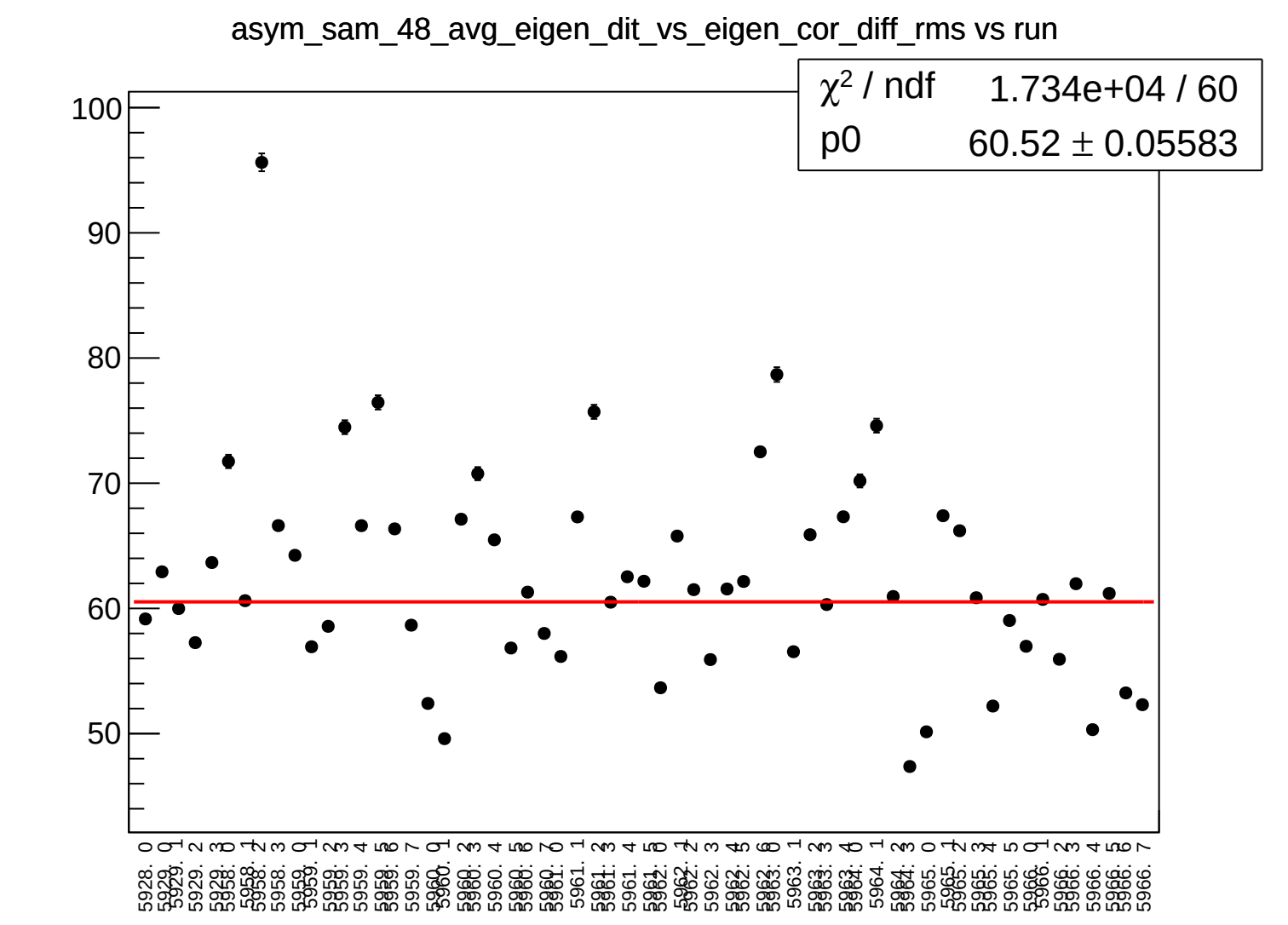

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.44 / 60
p0 −0.06185 ± 0.07895
pull
Entries 61
Mean −54.5
Std Dev 0

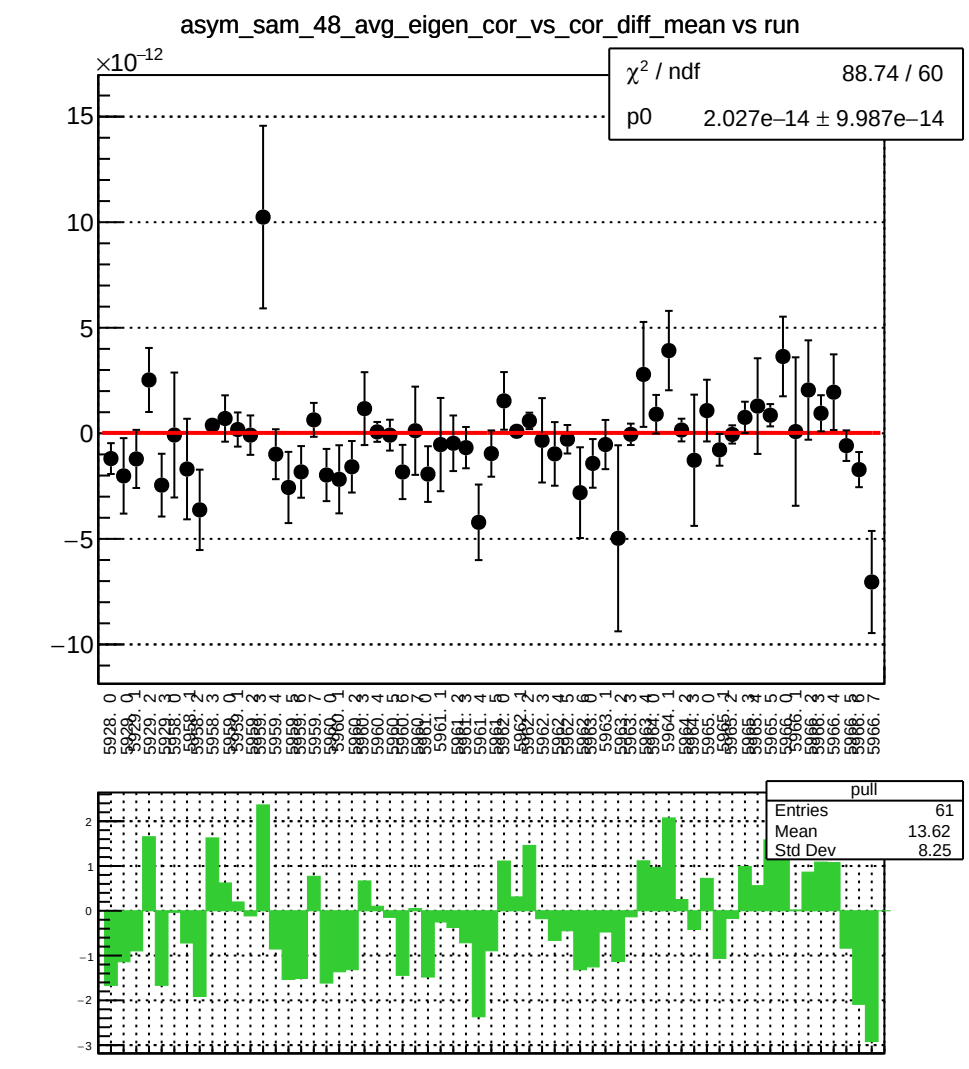

pull1D
Entries 61
Mean 0.02031
Std Dev 0.9786

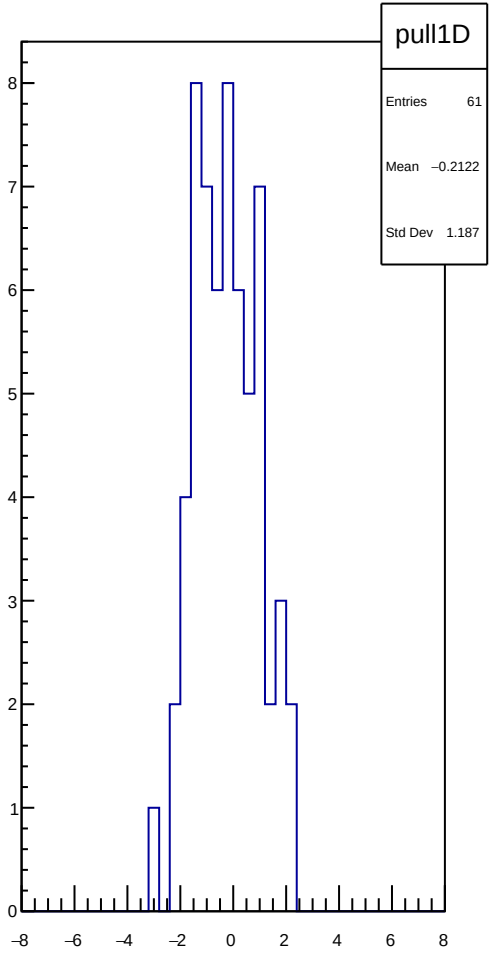

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.734e+04 / 60
p0 60.52 ± 0.05583
100
90
80
70
60
50

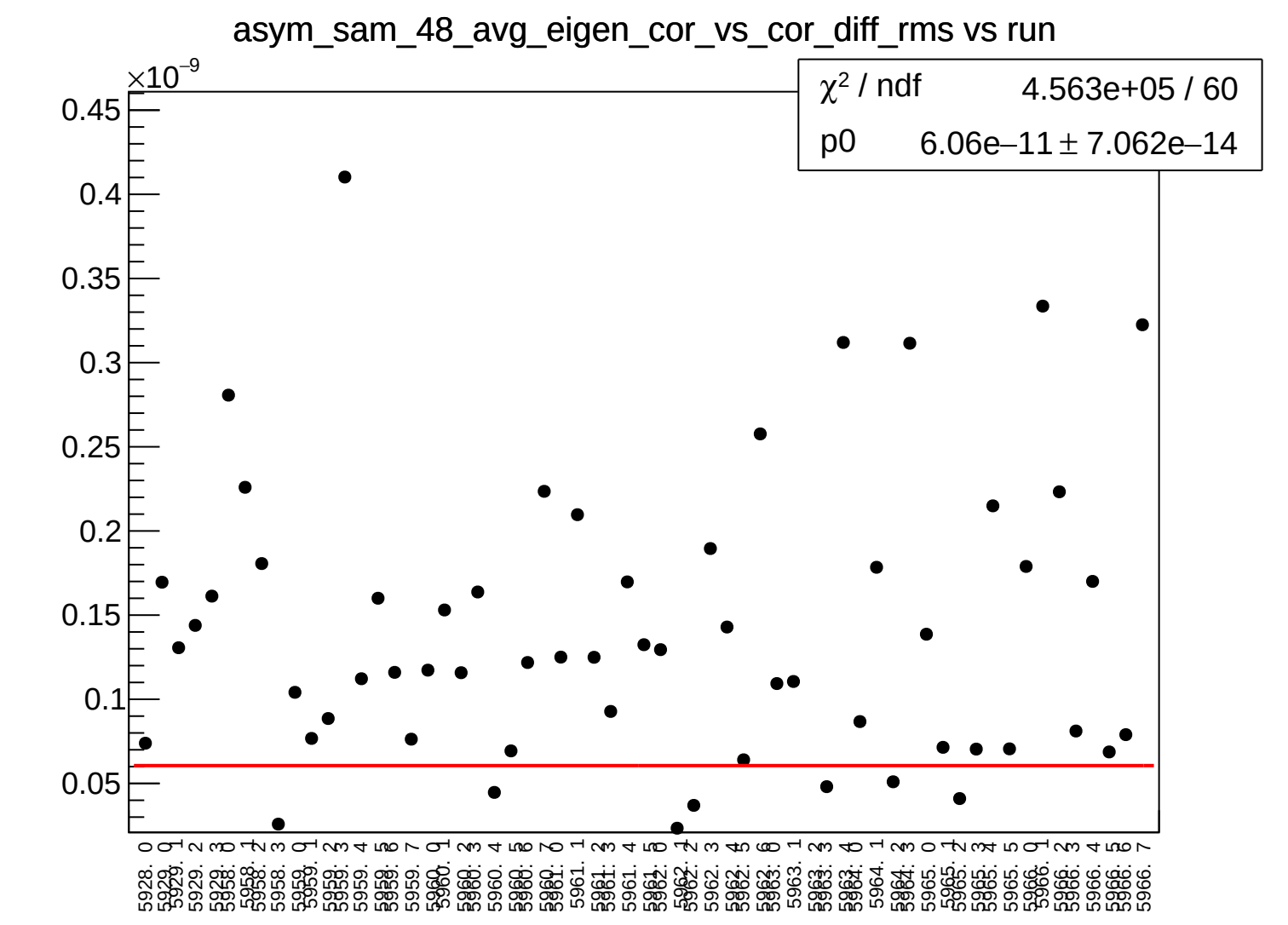

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.44 / 60
p0 −0.06185 ± 0.07895
pull
Entries 61
Mean −54.5
Std Dev 0

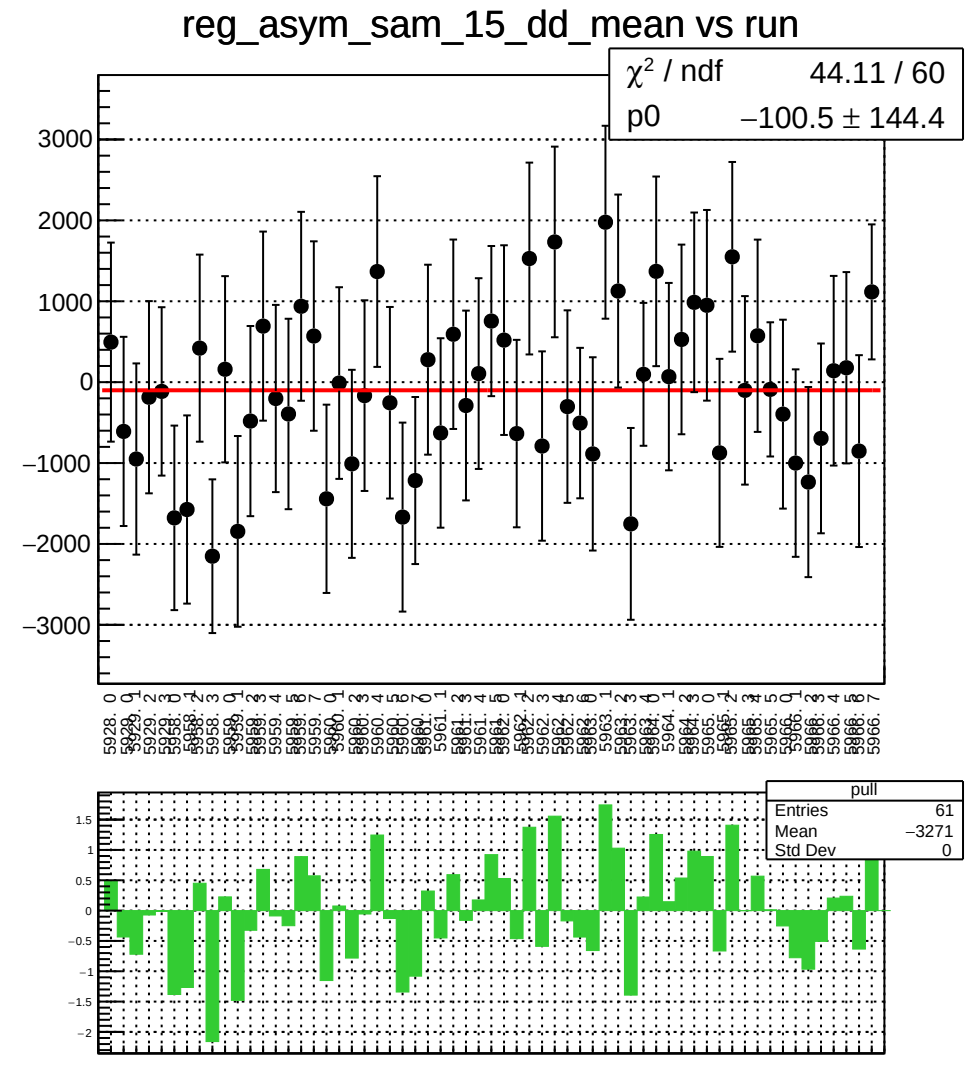

pull1D
Entries 61
Mean 0.02031
Std Dev 0.9786

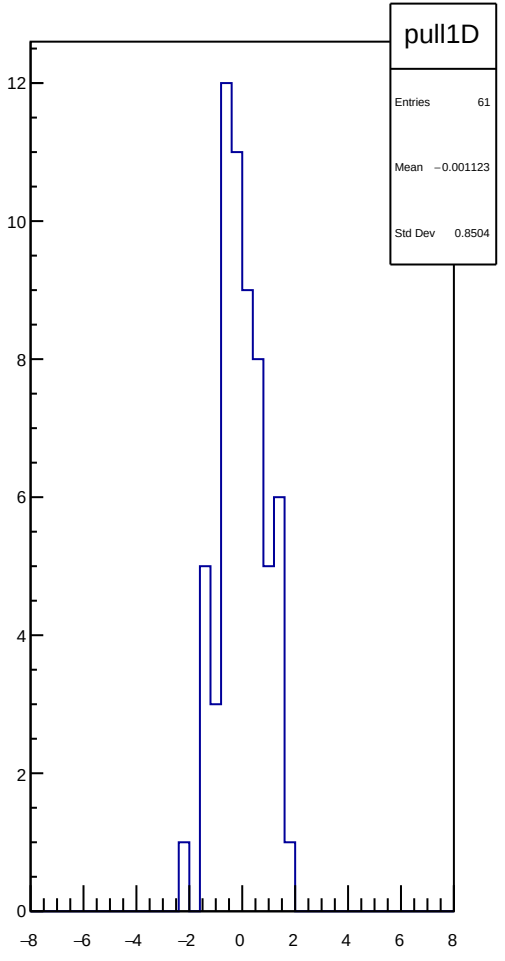

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.734e+04 / 60
p0 60.52 ± 0.05583
100
90
80
70
60
50

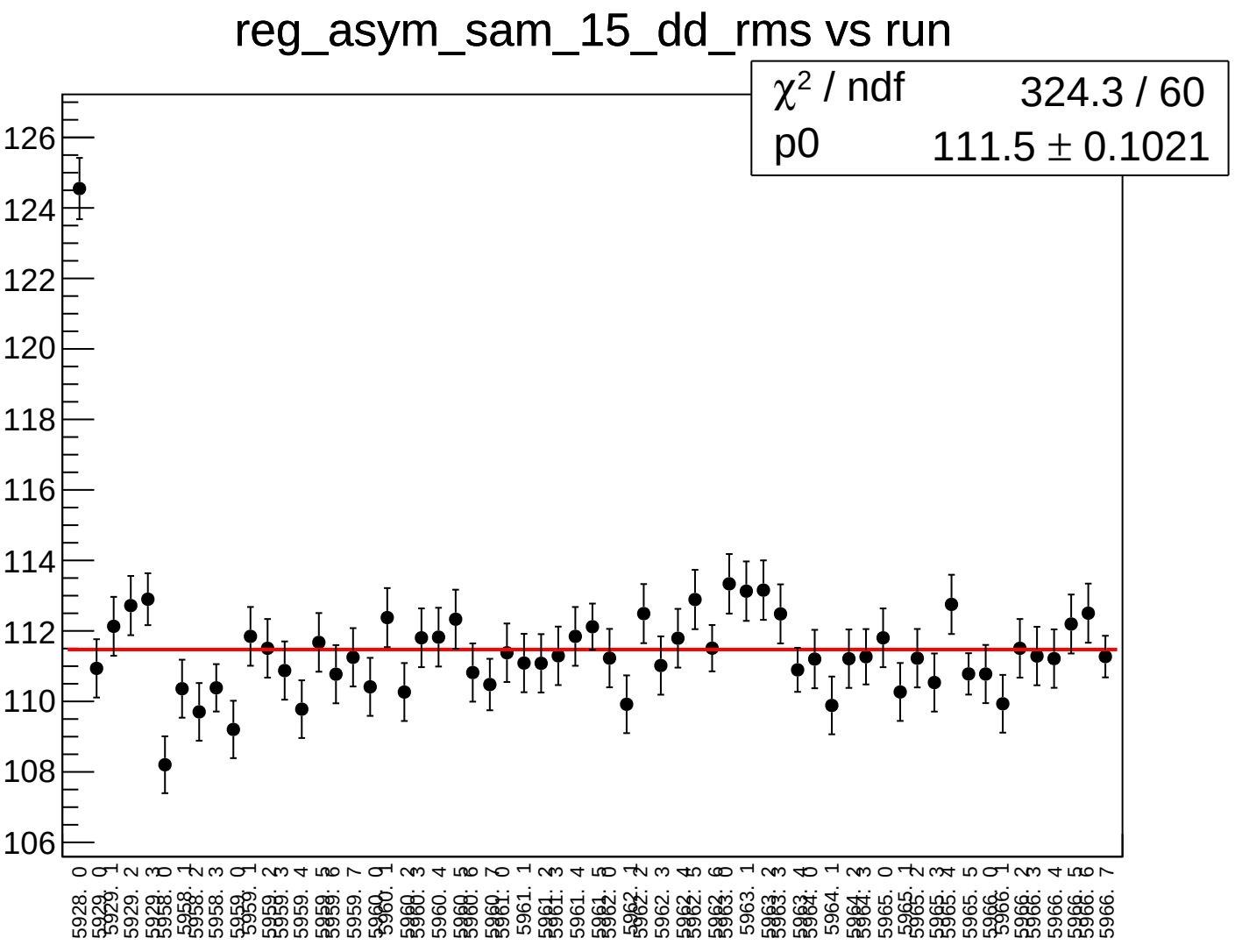

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.74 / 60
p0 2.027e−14 ± 9.987e−14
pull
Entries 61
Mean 13.62
Std Dev 8.25

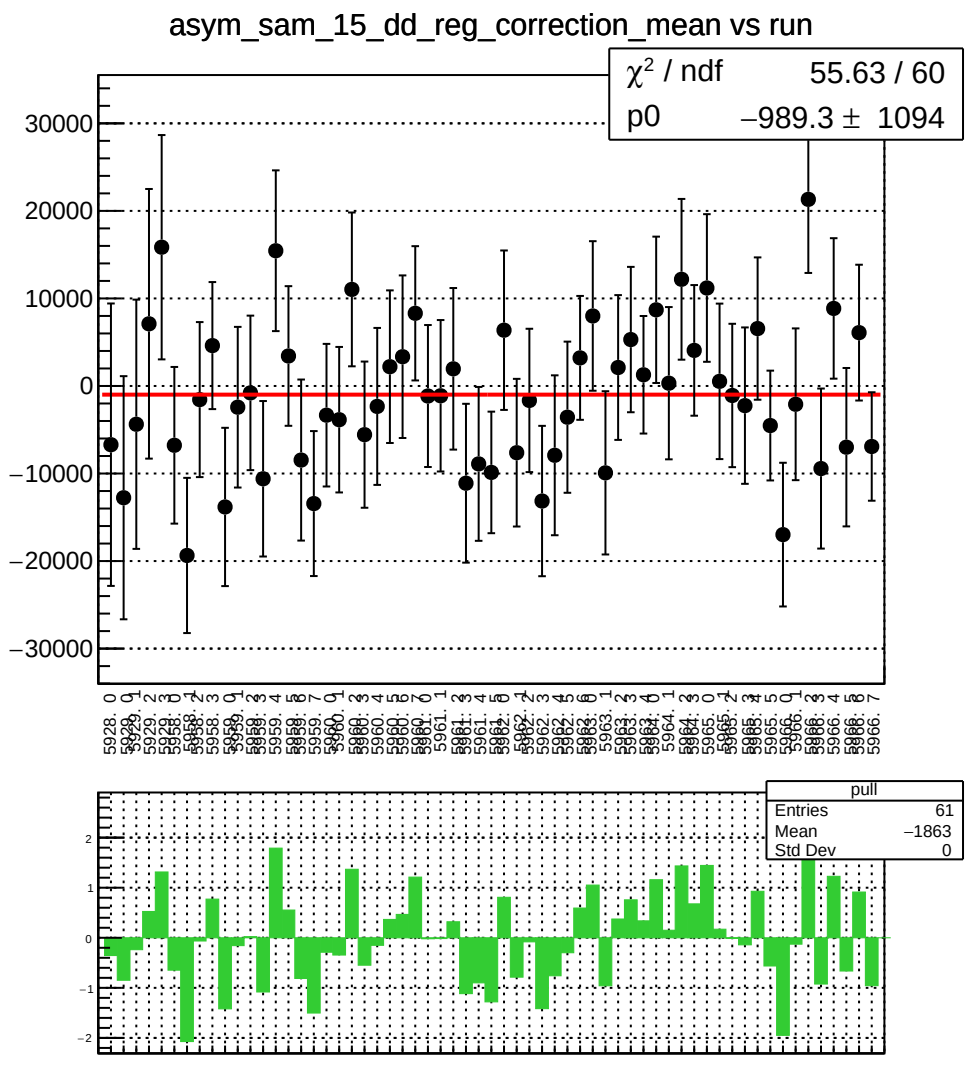

pull1D
Entries 61
Mean −0.2122
Std Dev 1.187

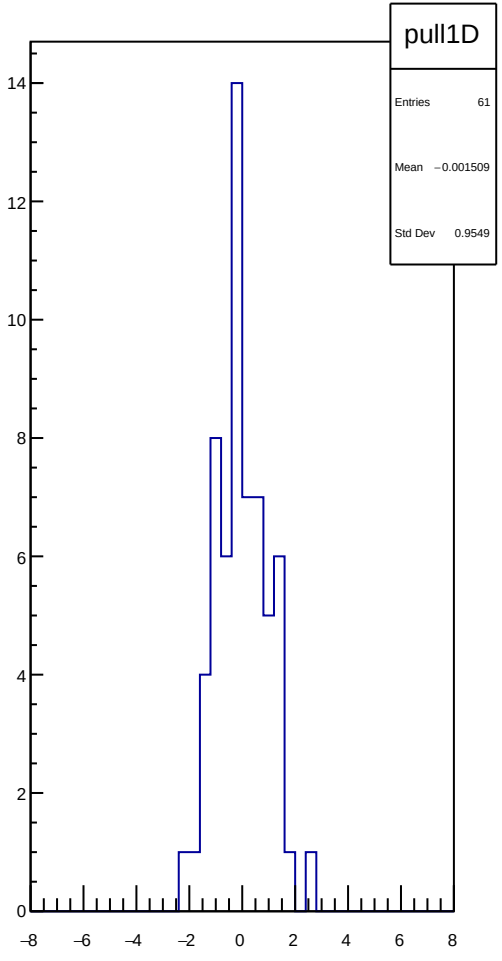

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.563e+05 / 60
p0 6.06e−11 ± 7.062e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

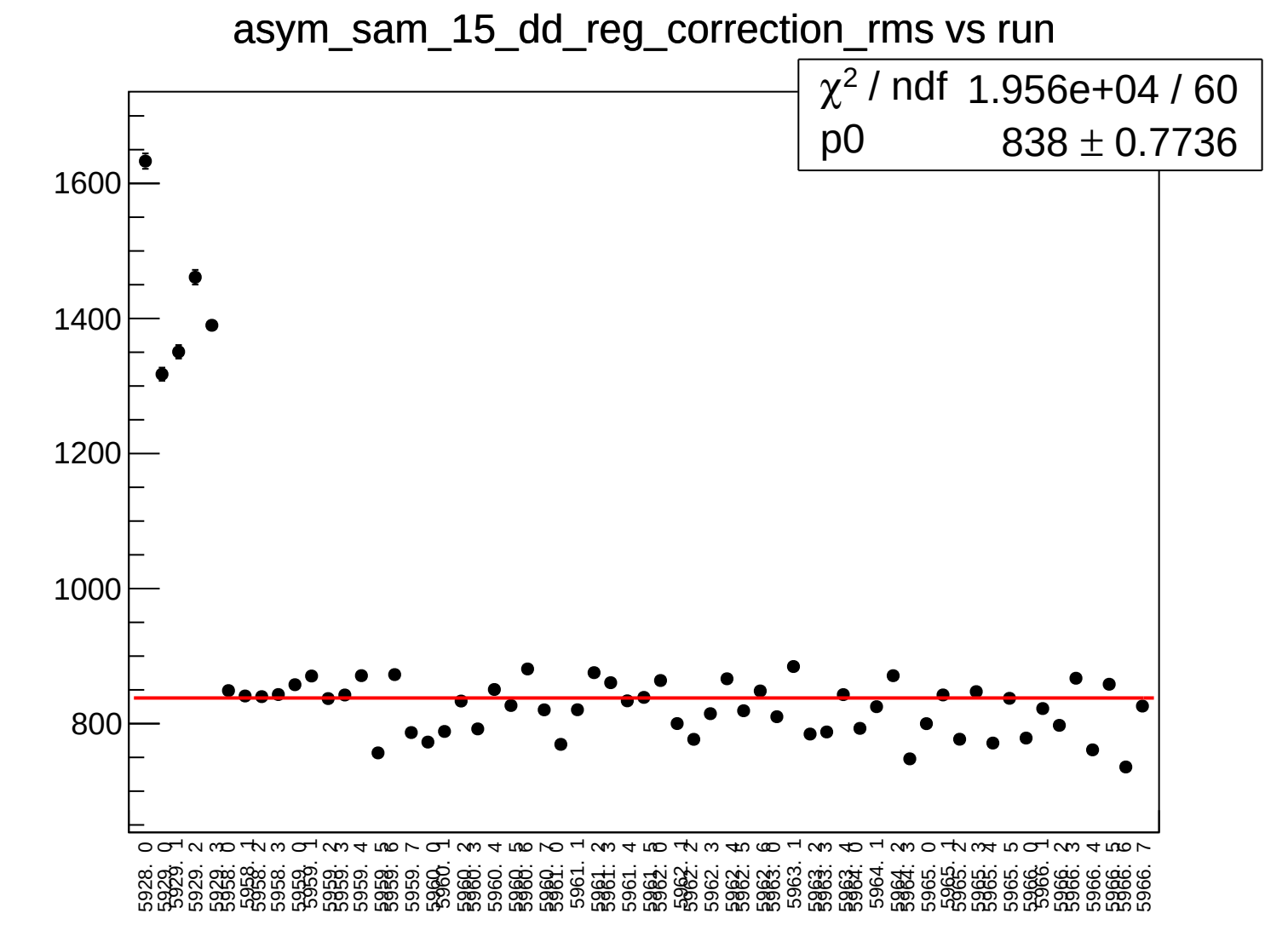

reg_asym_sam_15_dd_mean vs run
χ² / ndf 44.11 / 60
p0 −100.5 ± 144.4
pull
Entries 61
Mean −3271
Std Dev 0

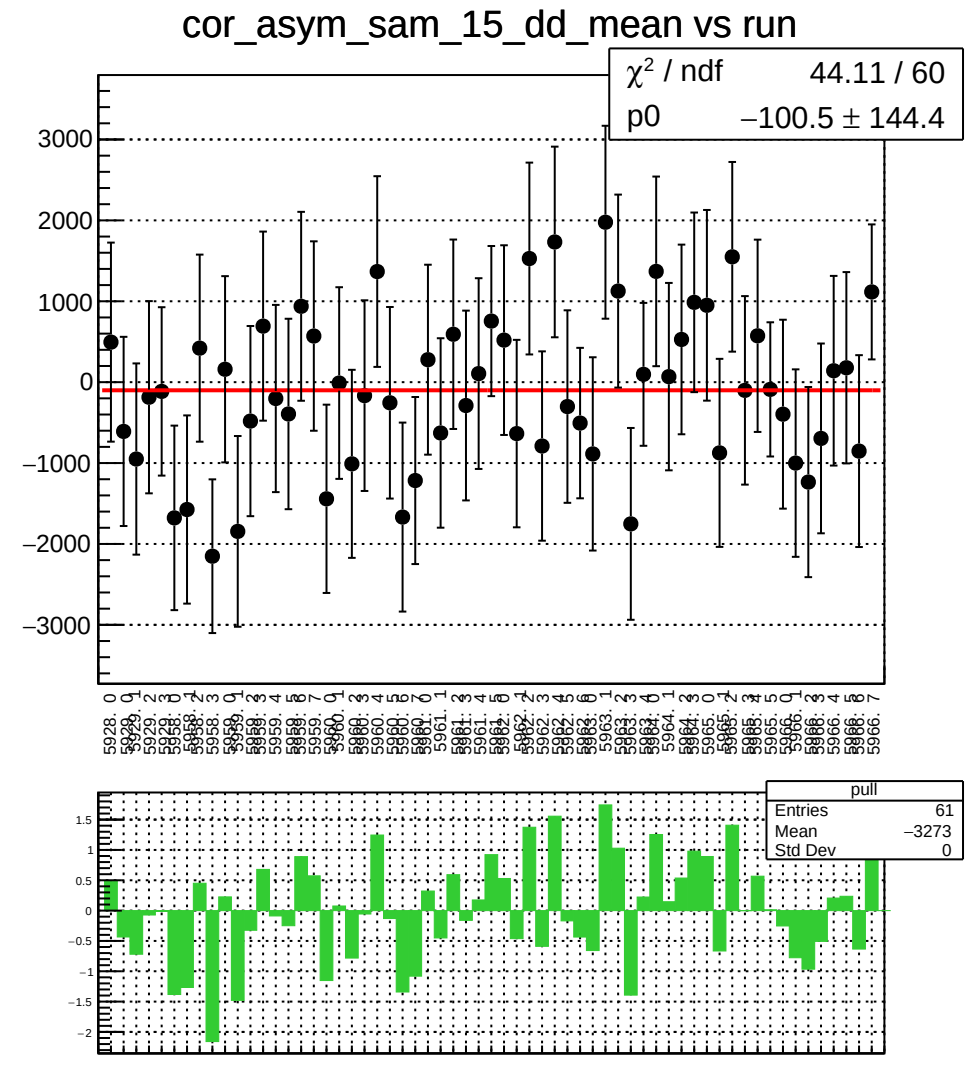

pull1D
Entries 61
Mean −0.001123
Std Dev 0.8504

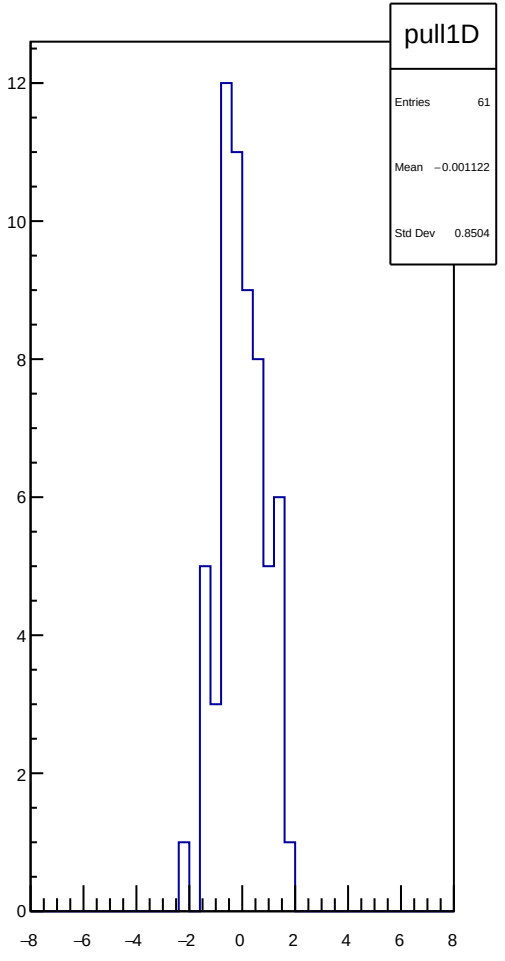

reg_asym_sam_15_dd_rms vs run
χ² / ndf 324.3 / 60
p0 111.5 ± 0.1021
126
124
122
120
118
116
114
112
110
108
106

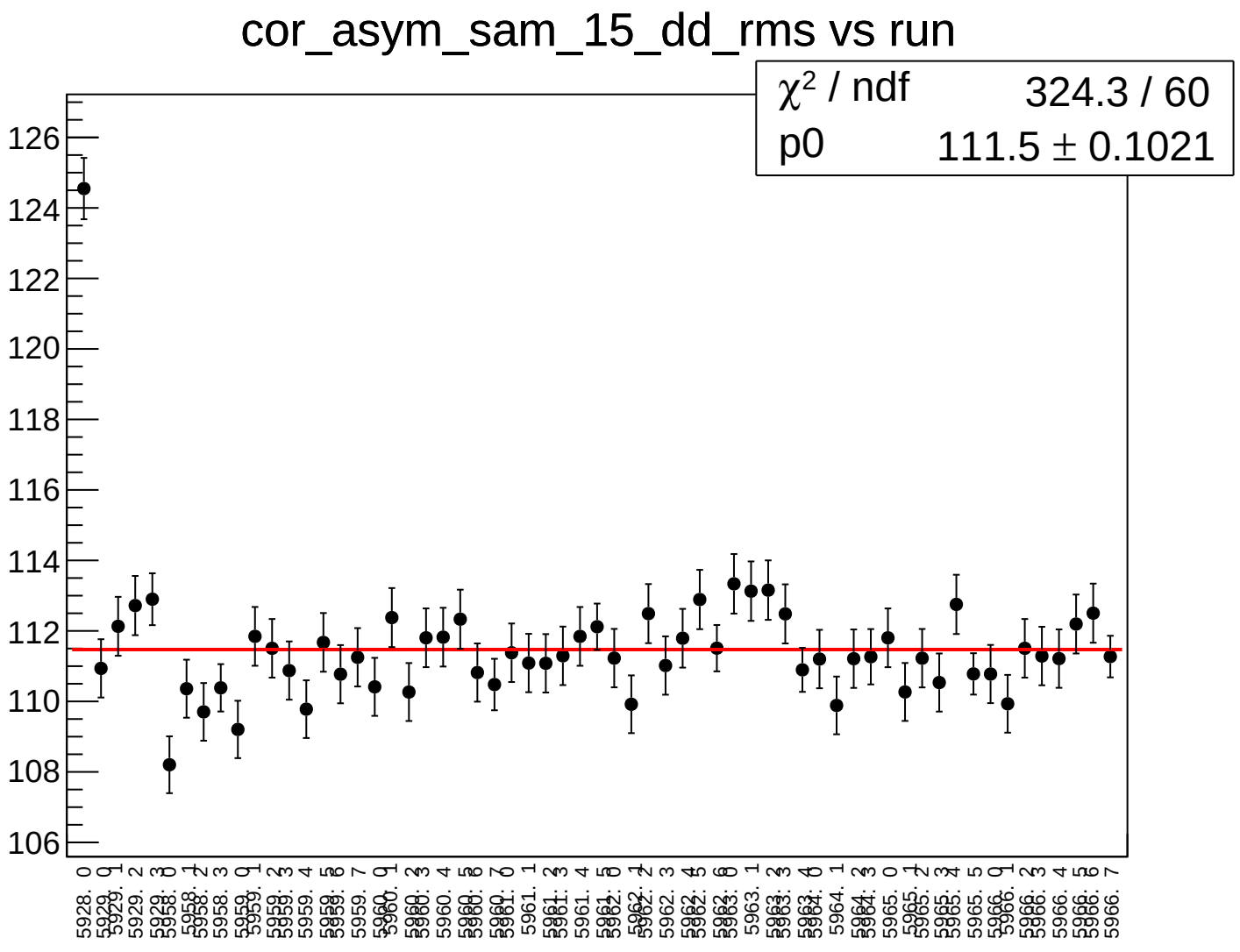

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 55.63 / 60
p0 −989.3 ± 1094
pull
Entries 61
Mean −1863
Std Dev 0

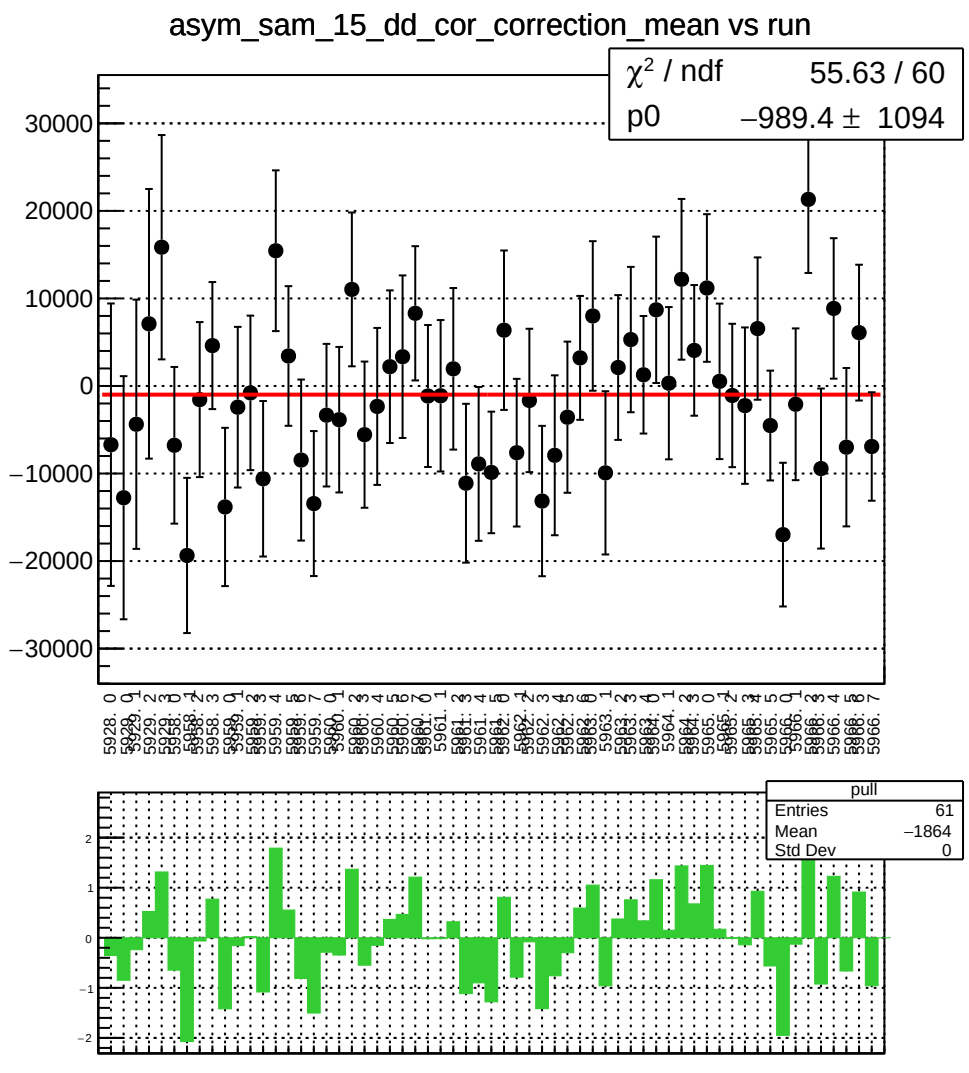

pull1D
Entries 61
Mean −0.001509
Std Dev 0.9549

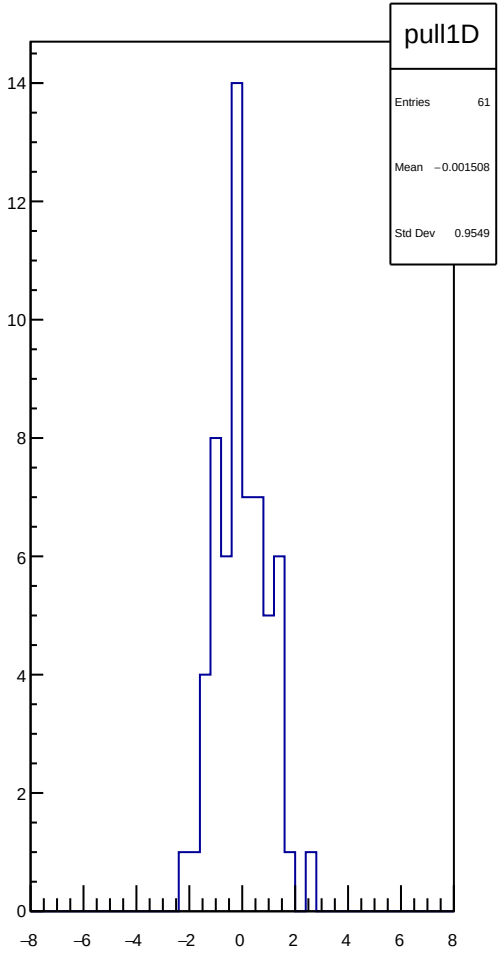

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1.956e+04 / 60
p0 838 ± 0.7736
1600
1400
1200
1000
800

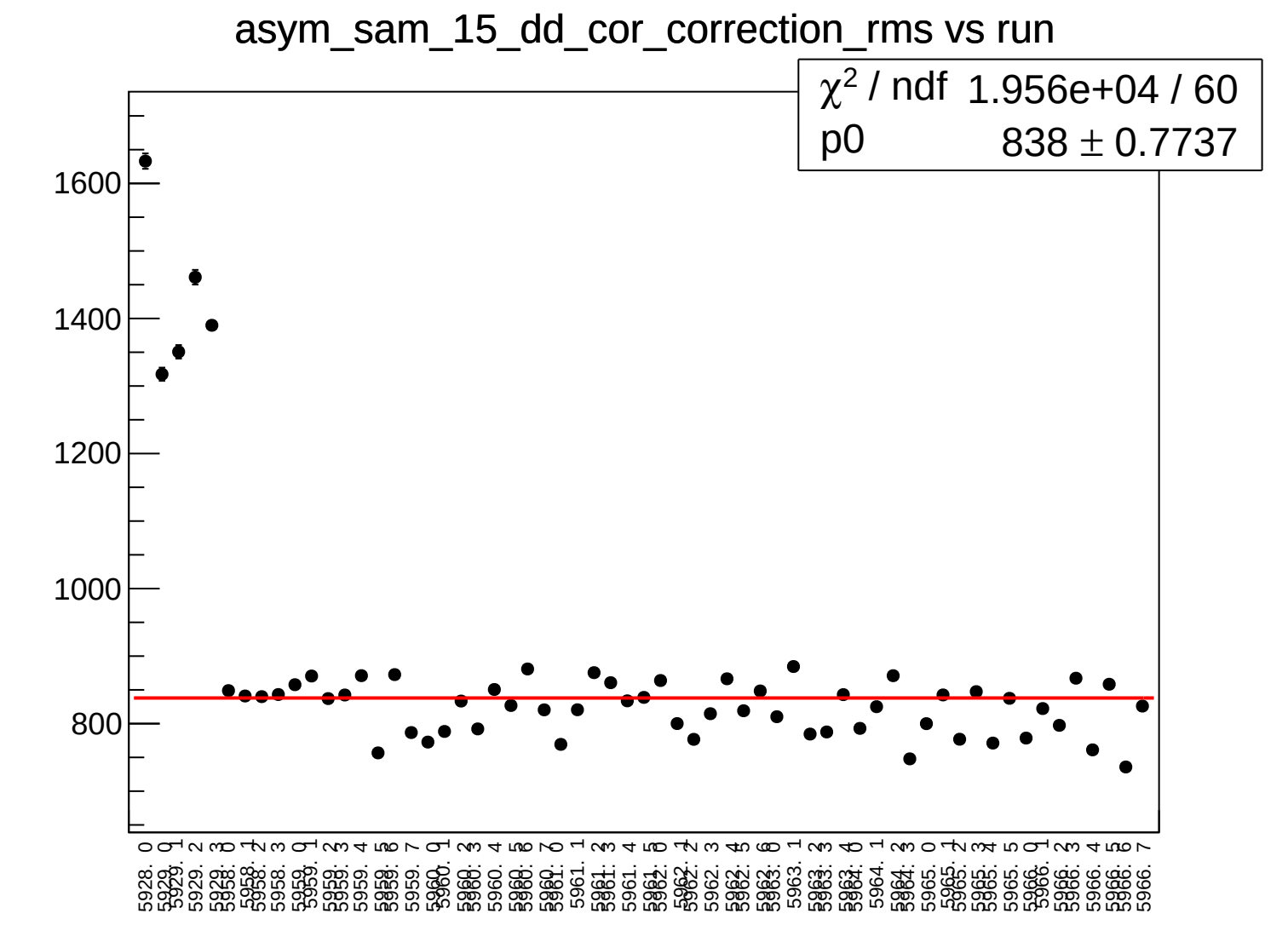

cor_asym_sam_15_dd_mean vs run
χ² / ndf 44.11 / 60
p0 −100.5 ± 144.4
pull
Entries 61
Mean −3273
Std Dev 0

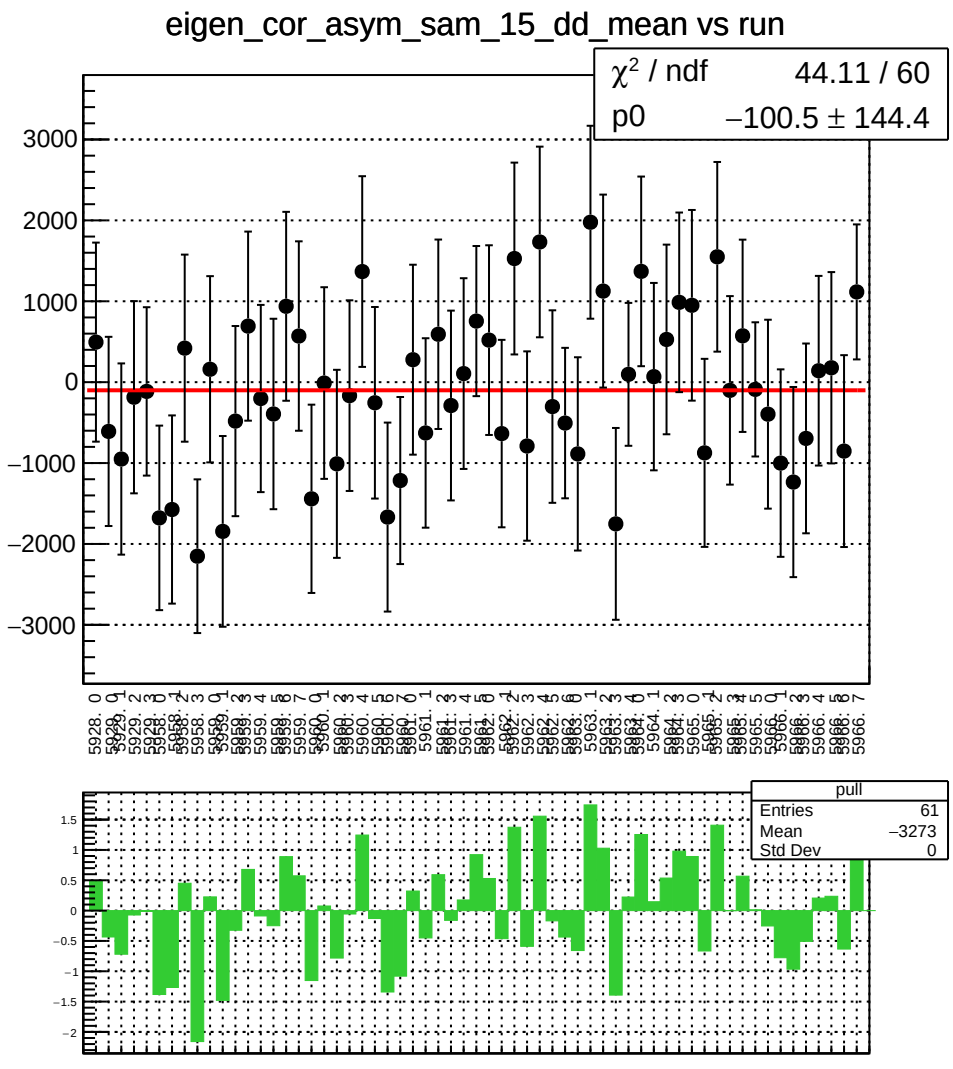

pull1D
Entries 61
Mean −0.001122
Std Dev 0.8504

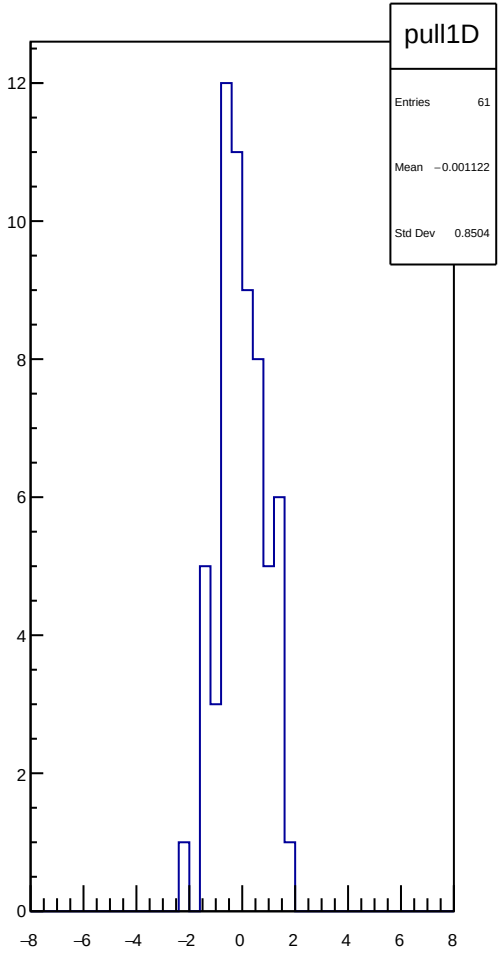

cor_asym_sam_15_dd_rms vs run
χ² / ndf 324.3 / 60
p0 111.5 ± 0.1021
126
124
122
120
118
116
114
112
110
108
106

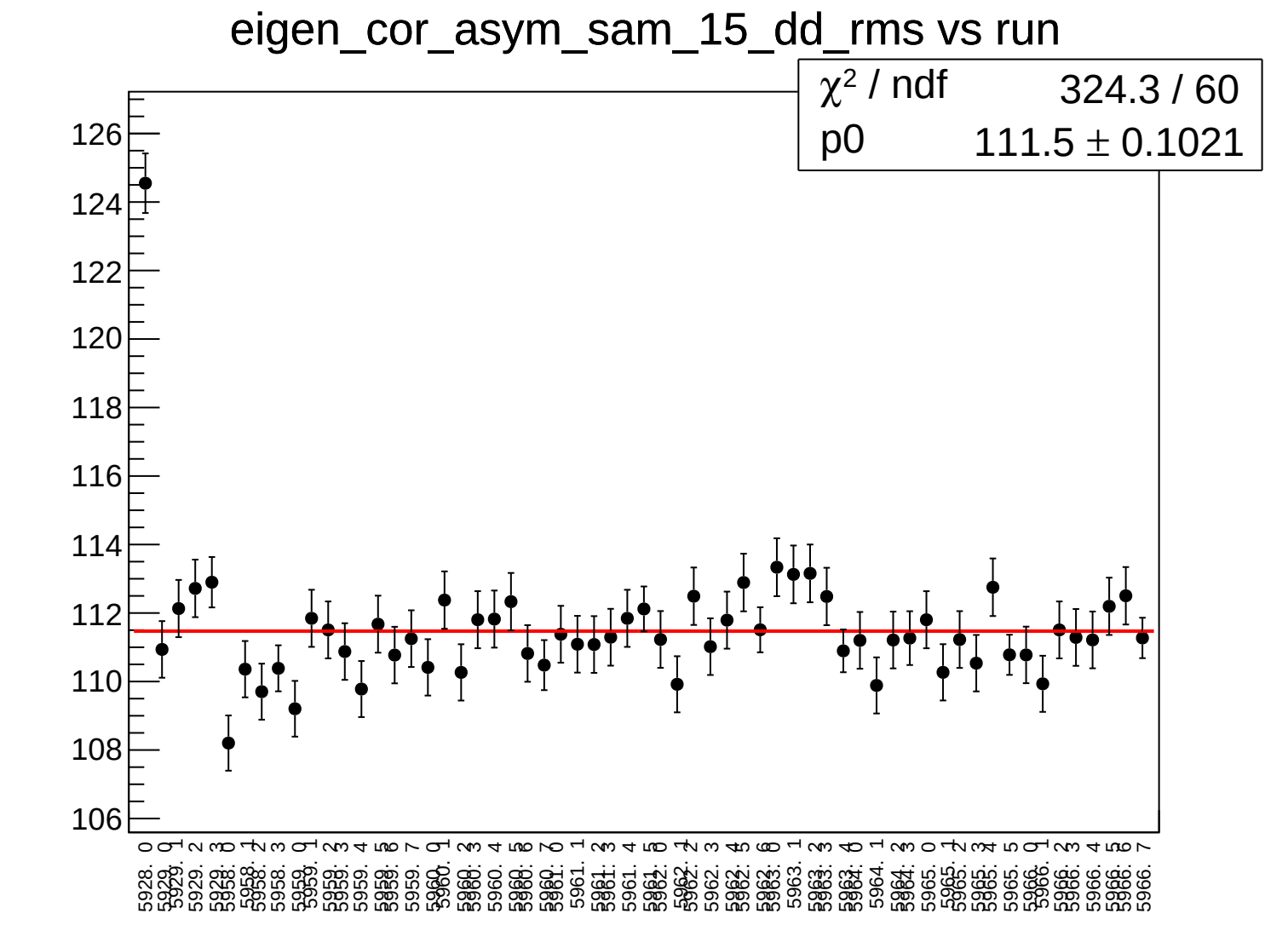

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 55.63 / 60
p0 −989.4 ± 1094
pull
Entries 61
Mean −1864
Std Dev 0

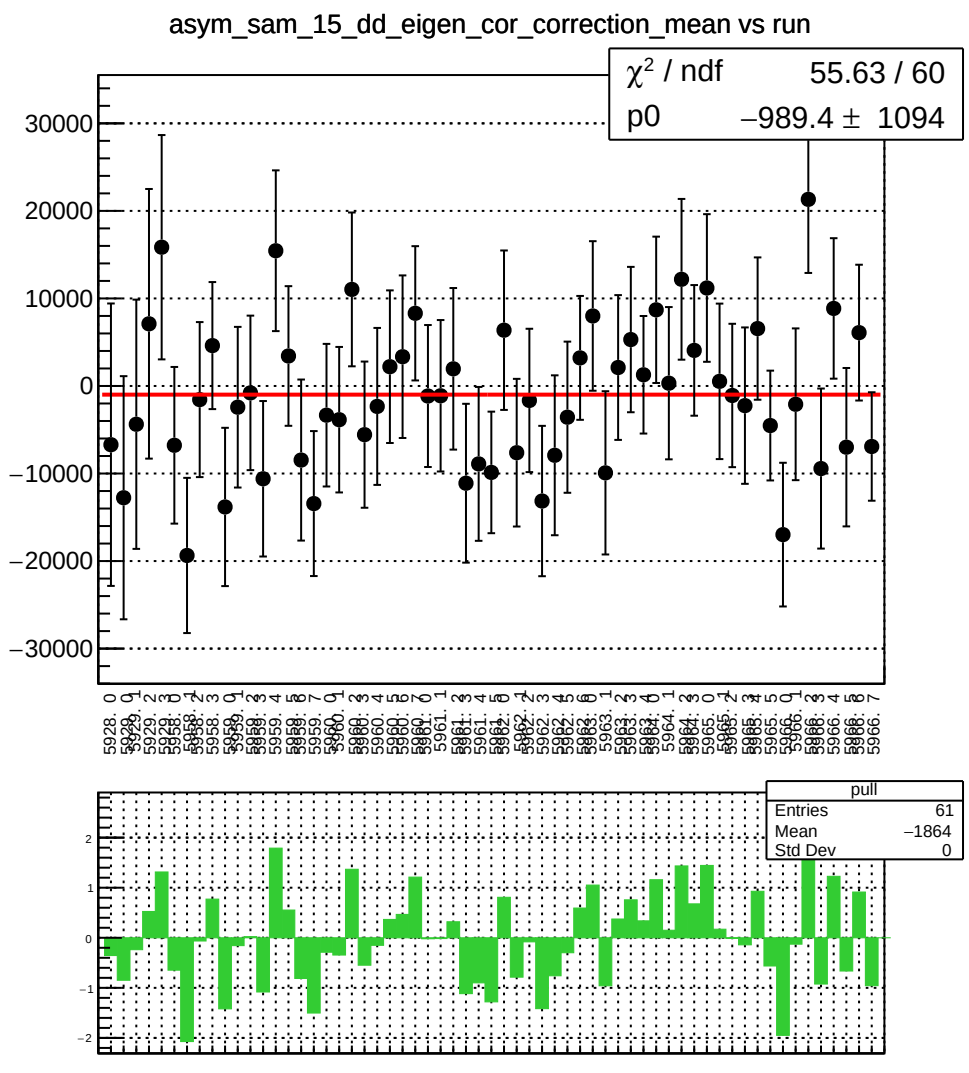

pull1D
Entries 61
Mean −0.001508
Std Dev 0.9549

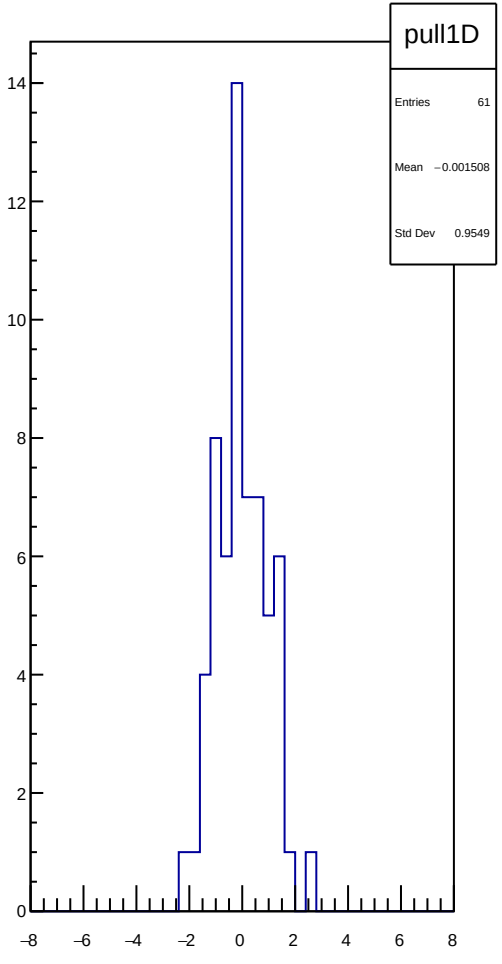

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1.956e+04 / 60
p0 838 ± 0.7737
1600
1400
1200
1000
800

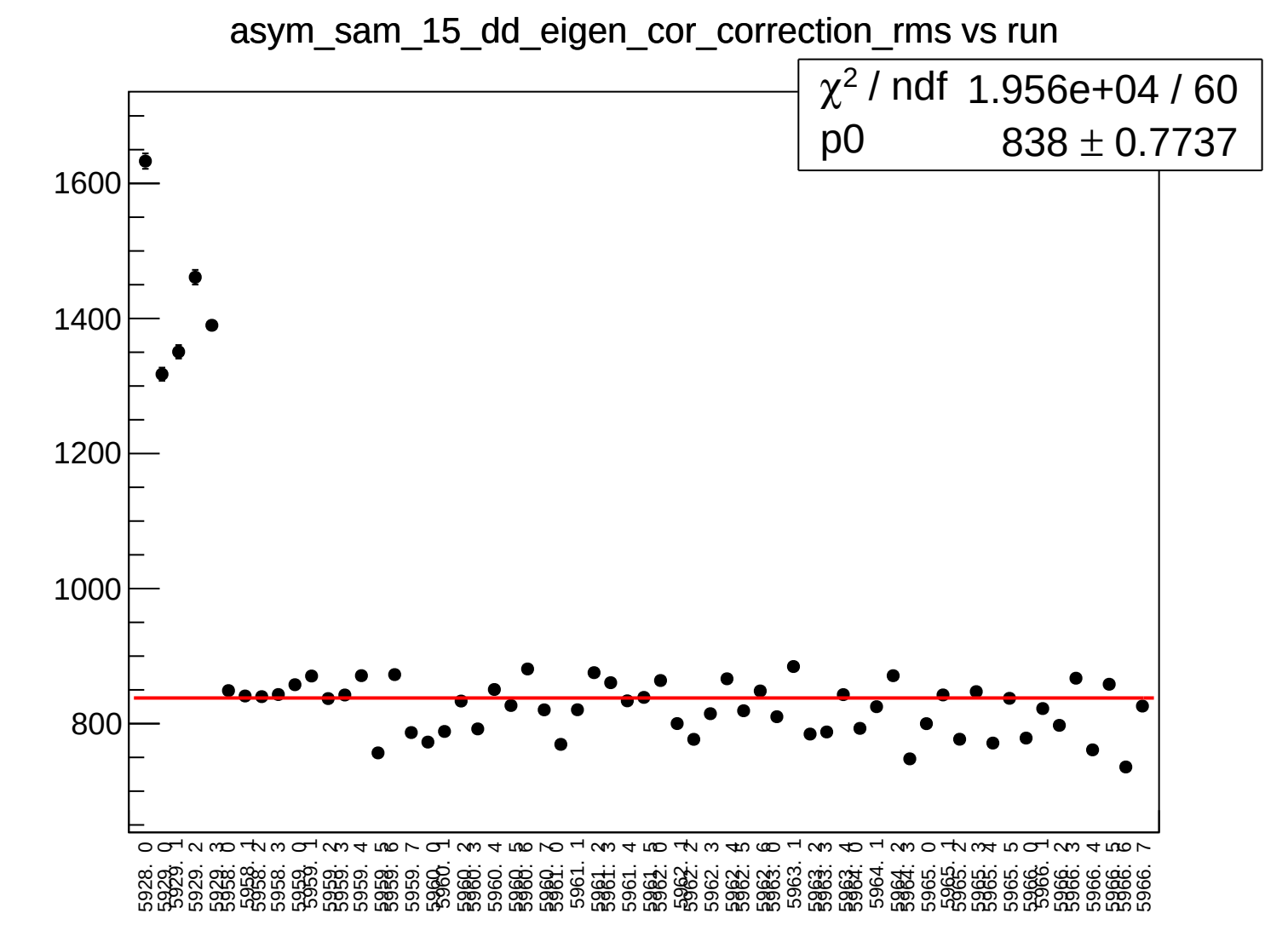

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 44.11 / 60
p0 −100.5 ± 144.4
pull
Entries 61
Mean −3273
Std Dev 0

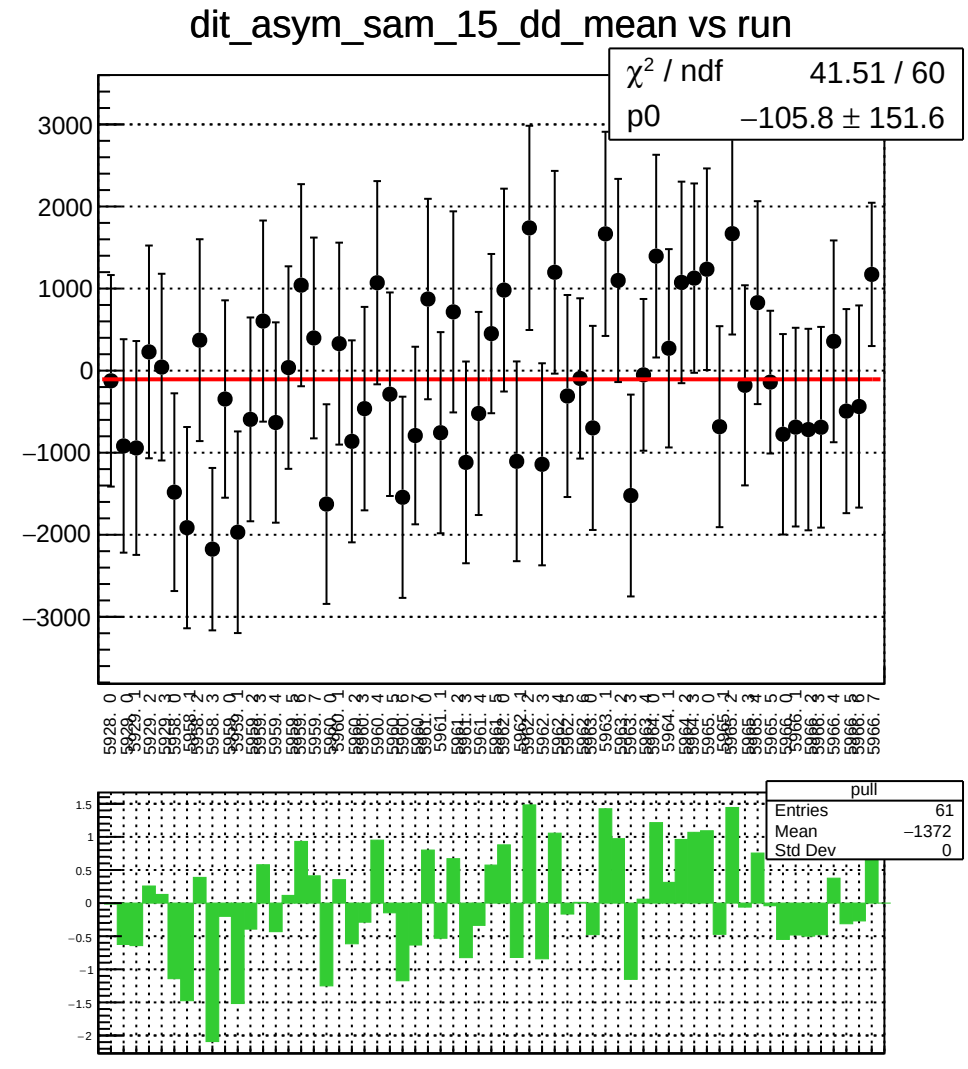

pull1D
Entries 61
Mean −0.001122
Std Dev 0.8504

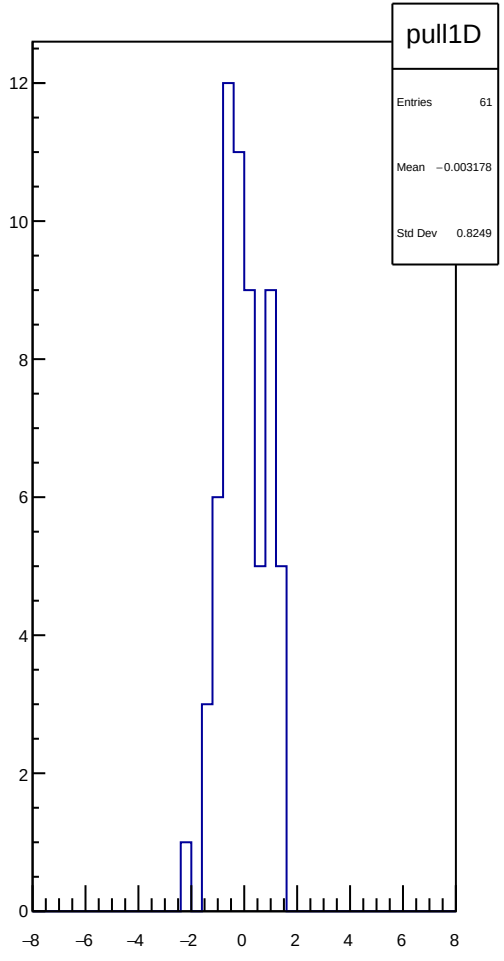

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 324.3 / 60
p0 111.5 ± 0.1021
126
124
122
120
118
116
114
112
110
108
106

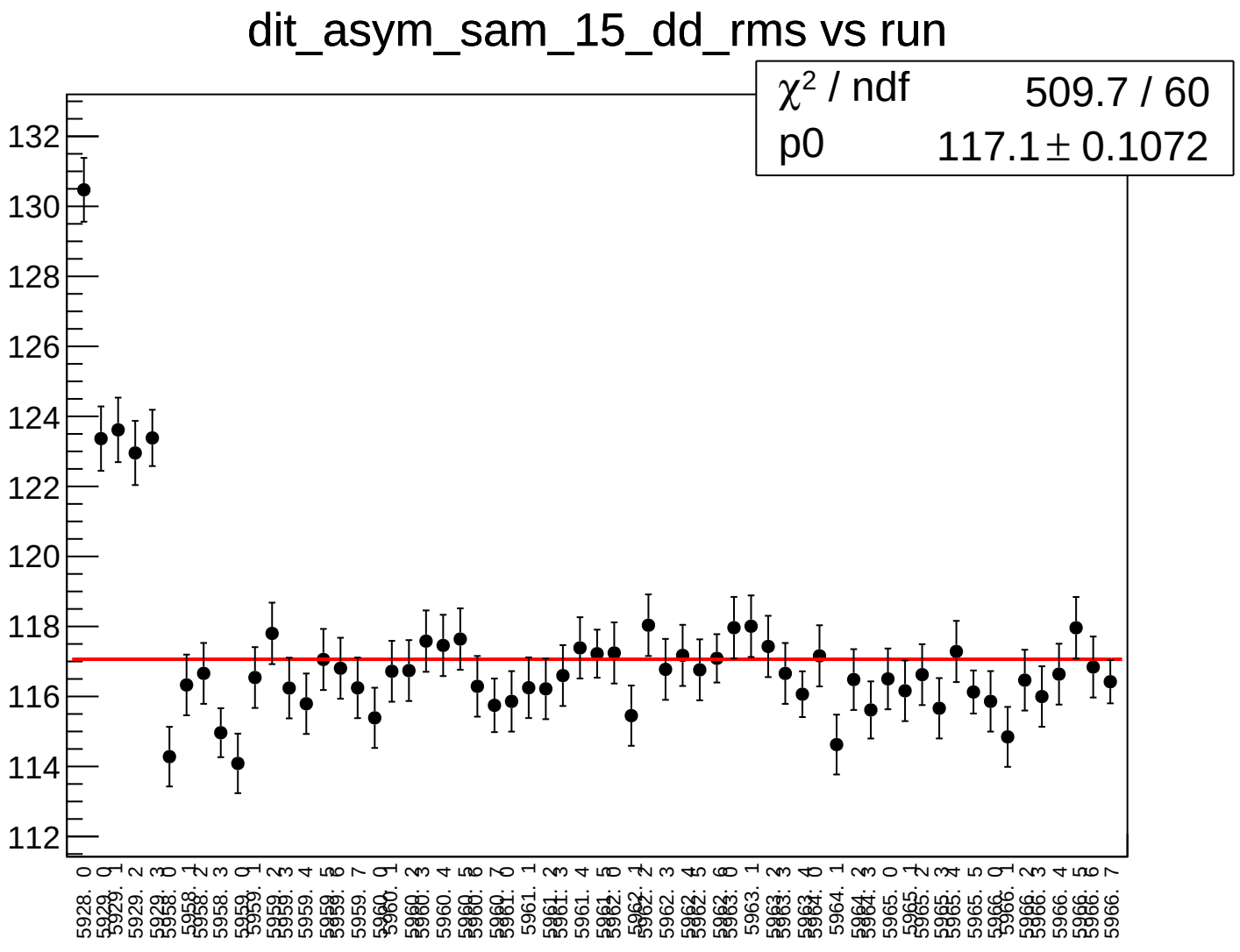

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 55.63 / 60
p0 −989.4 ± 1094
pull
Entries 61
Mean −1864
Std Dev 0

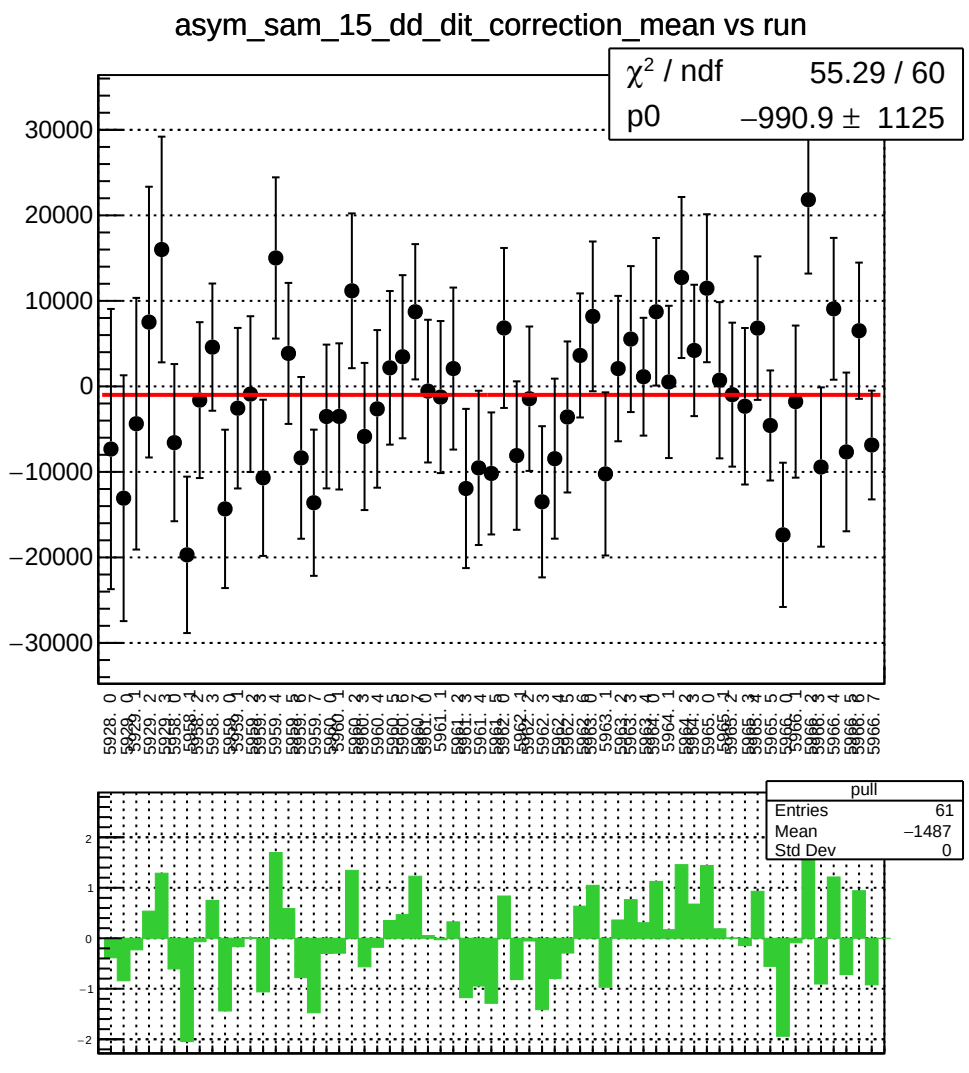

pull1D
Entries 61
Mean −0.001508
Std Dev 0.9549

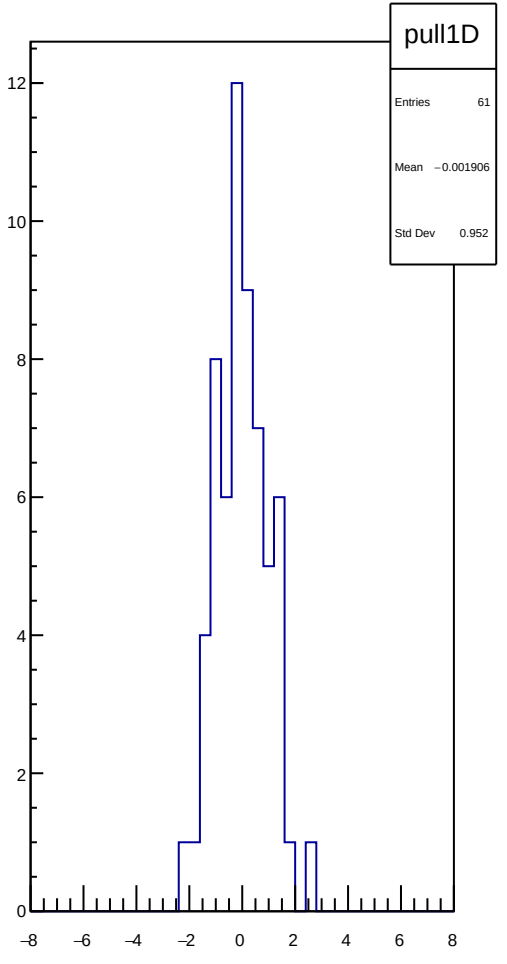

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.956e+04 / 60
p0 838 ± 0.7737
1600
1400
1200
1000
800

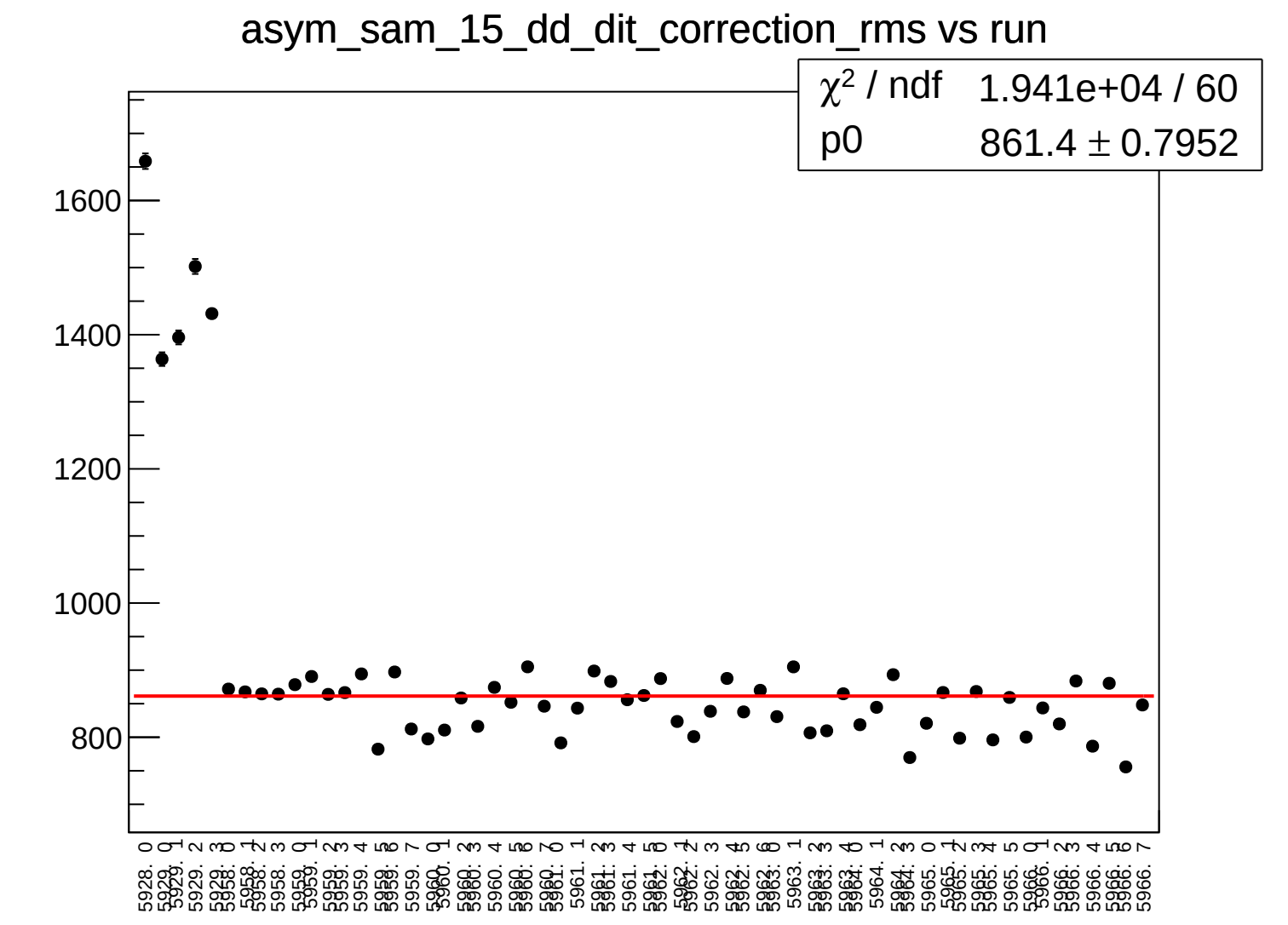

dit_asym_sam_15_dd_mean vs run
χ² / ndf 41.51 / 60
p0 −105.8 ± 151.6
pull
Entries 61
Mean −1372
Std Dev 0

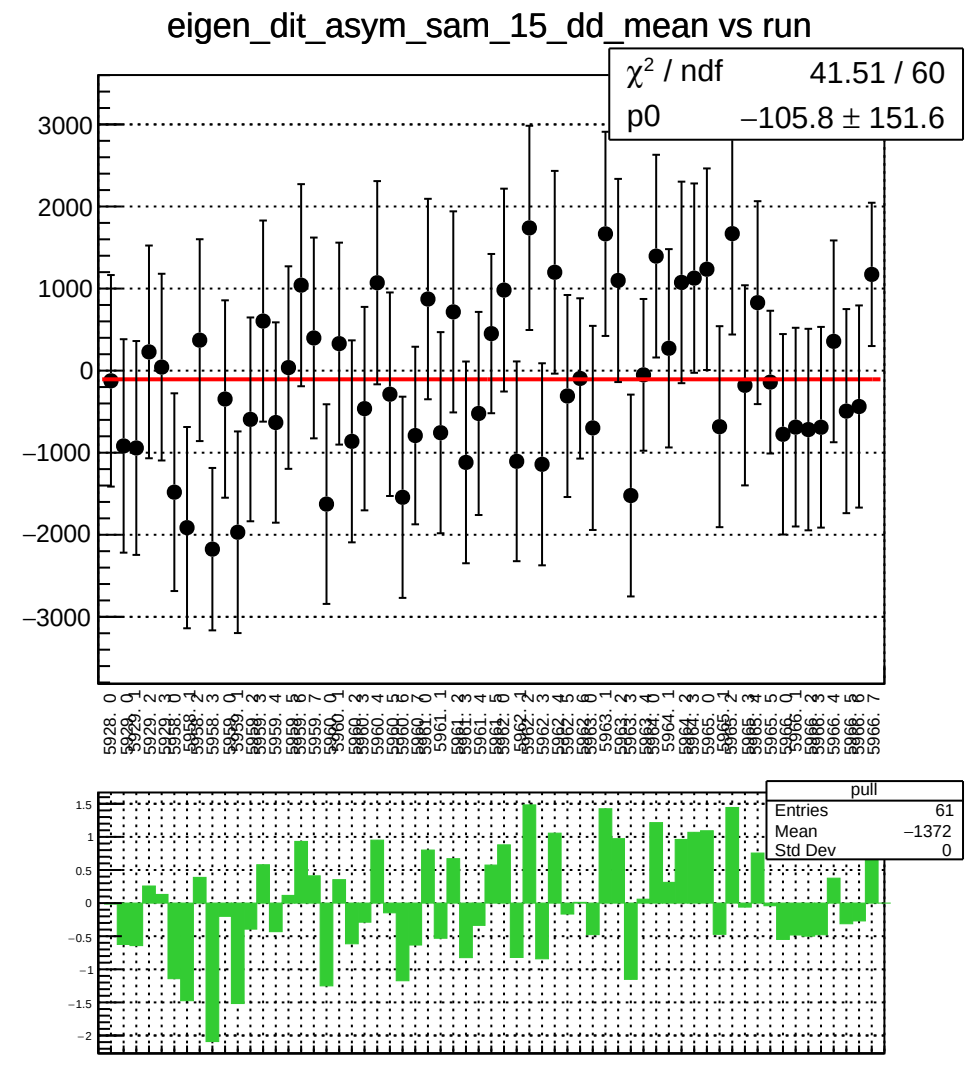

pull1D
Entries 61
Mean −0.003178
Std Dev 0.8249

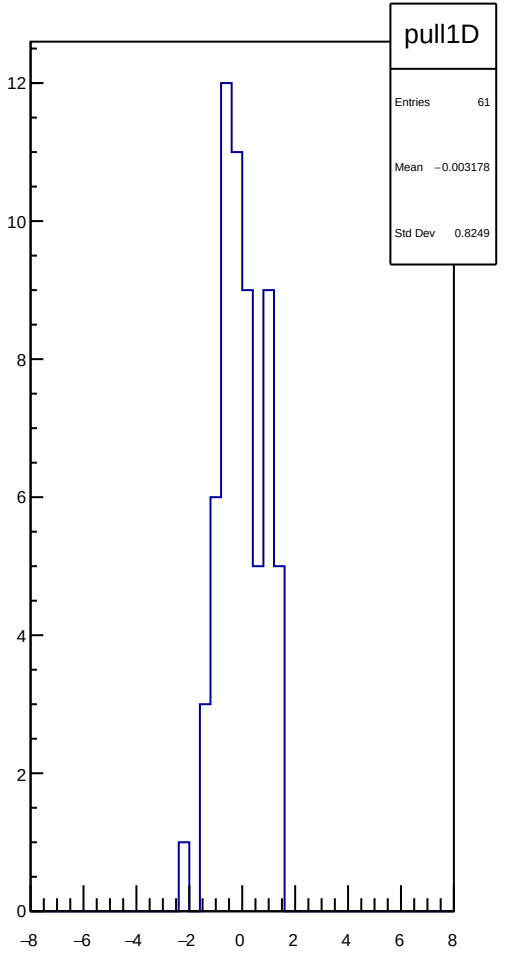

dit_asym_sam_15_dd_rms vs run
χ² / ndf 509.7 / 60
p0 117.1 ± 0.1072
132
130
128
126
124
122
120
118
116
114
112

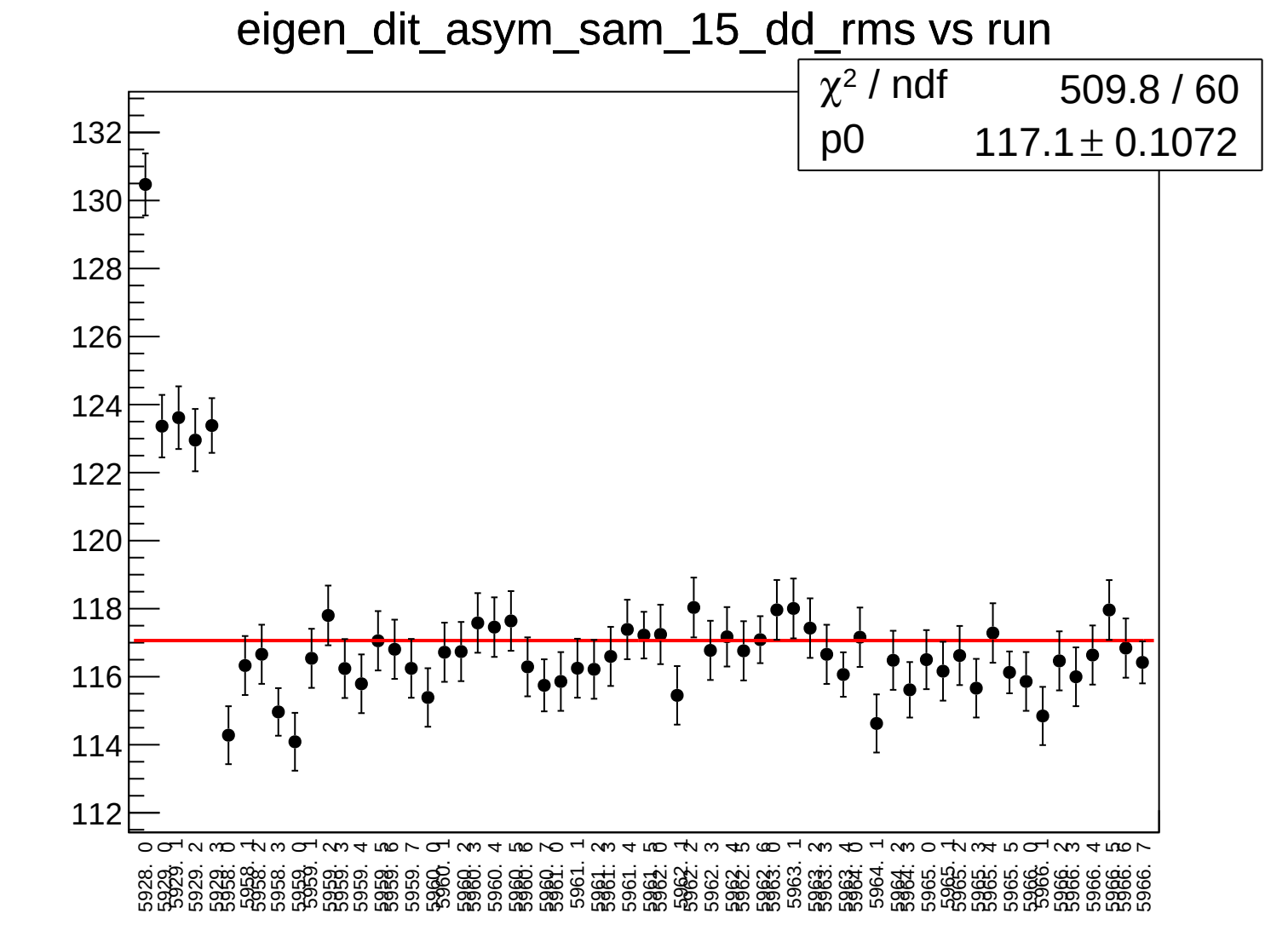

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 55.29 / 60
p0 −990.9 ± 1125
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean −1487
Std Dev 0
2
1
0
−1
−2

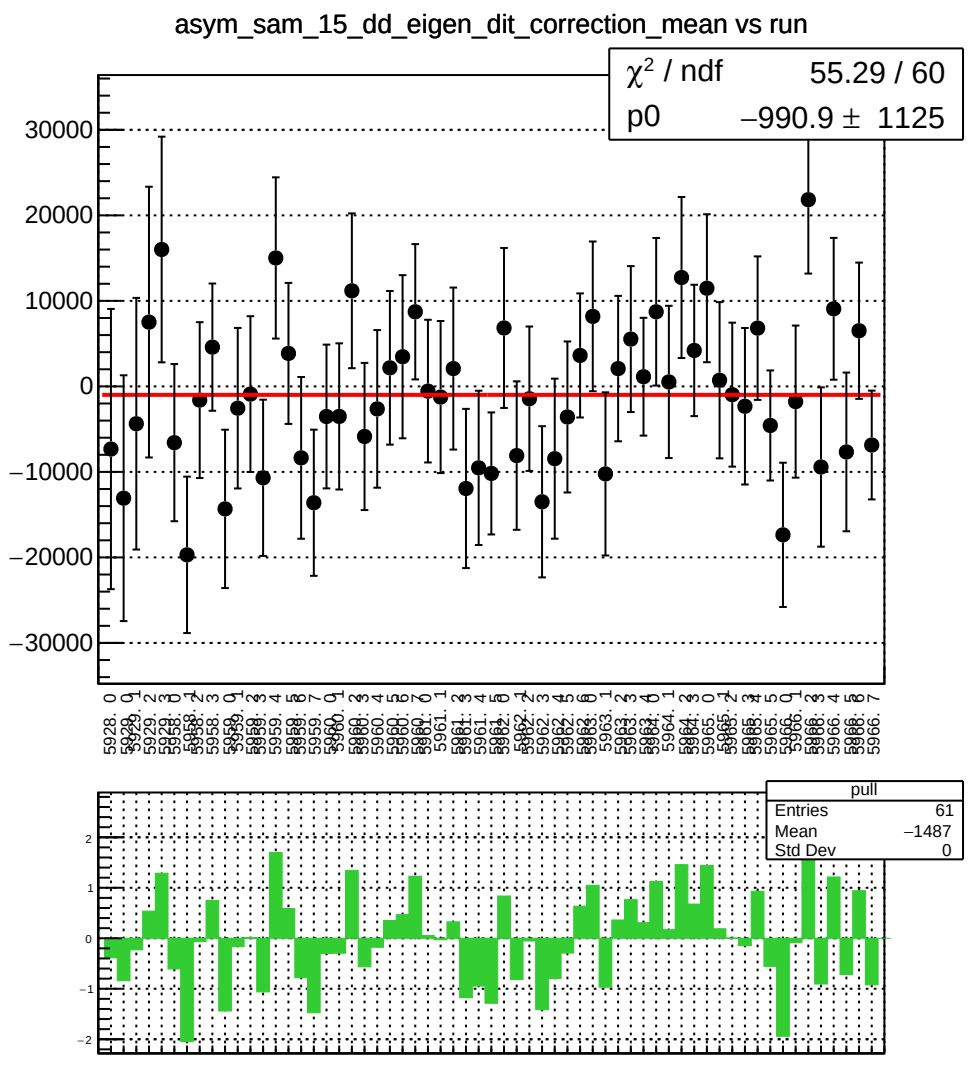

pull1D
Entries 61
Mean −0.001906
Std Dev 0.952
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

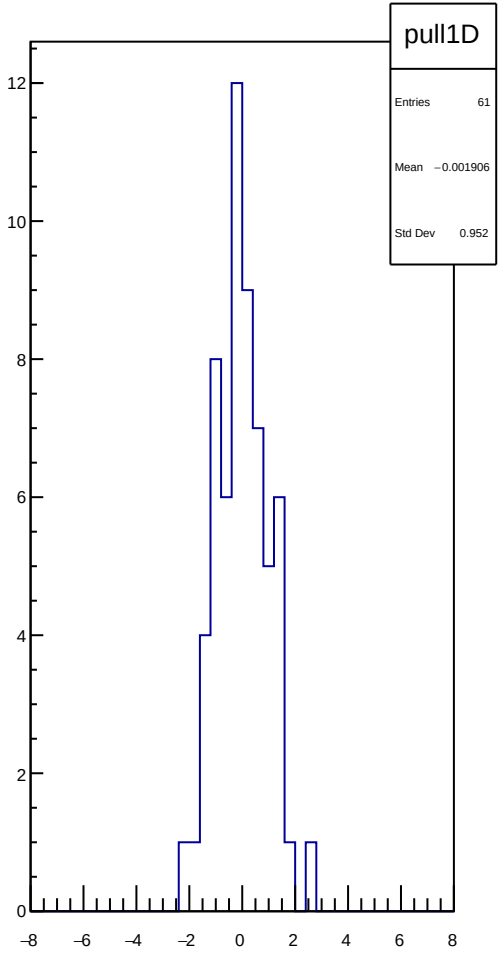

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1.941e+04 / 60
p0 861.4 ± 0.7952
1600
1400
1200
1000
800

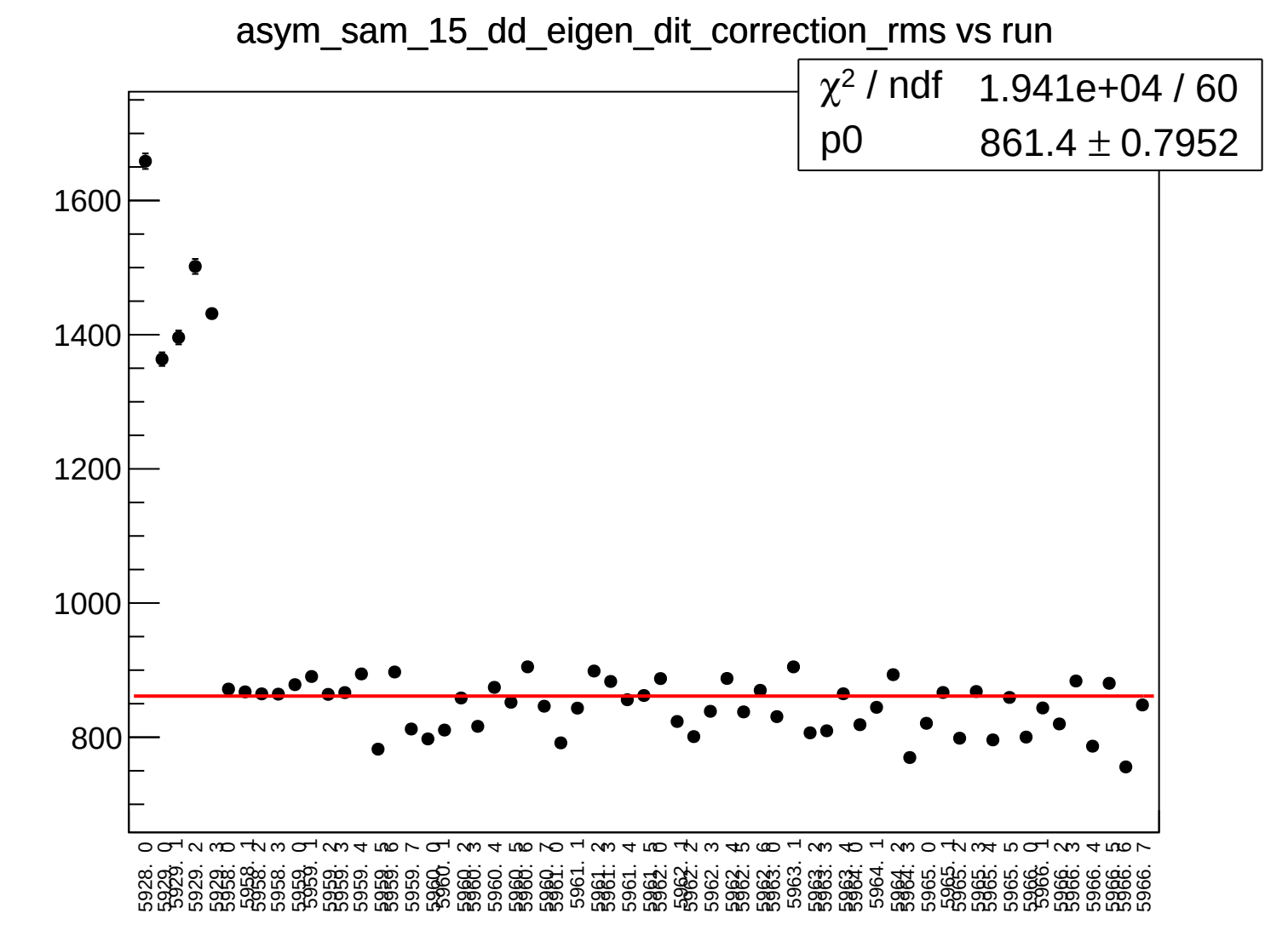

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 41.51 / 60
p0 −105.8 ± 151.6
pull
Entries 61
Mean −1372
Std Dev 0

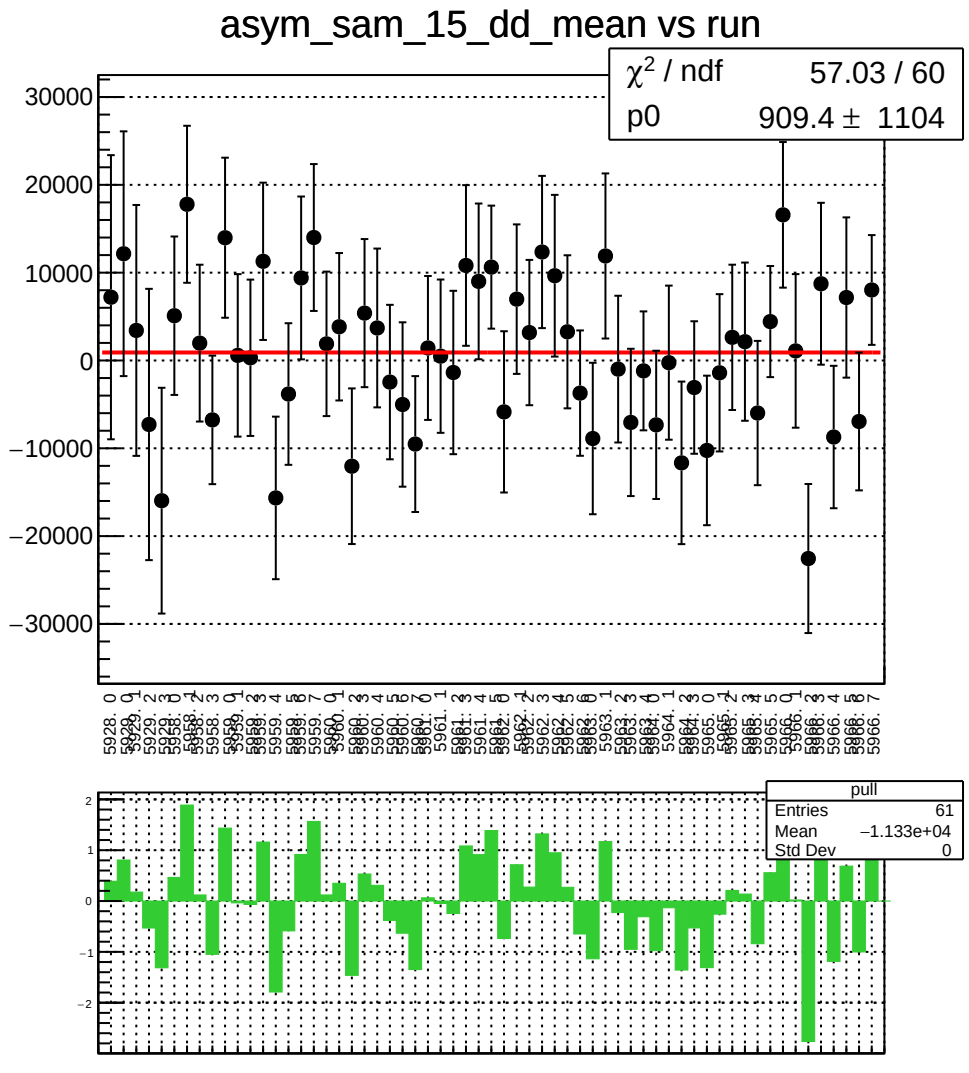

pull1D
Entries 61
Mean −0.003178
Std Dev 0.8249

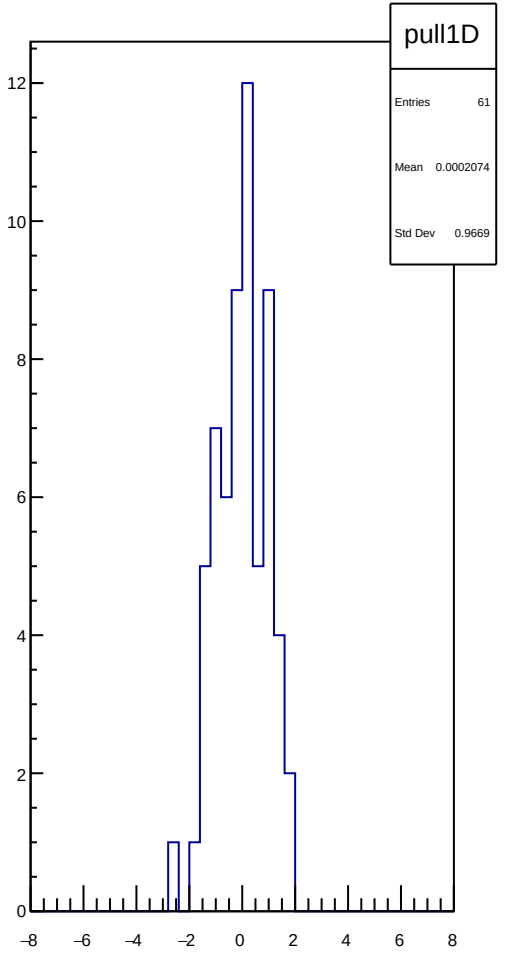

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 509.8 / 60
p0 117.1 ± 0.1072
132
130
128
126
124
122
120
118
116
114
112

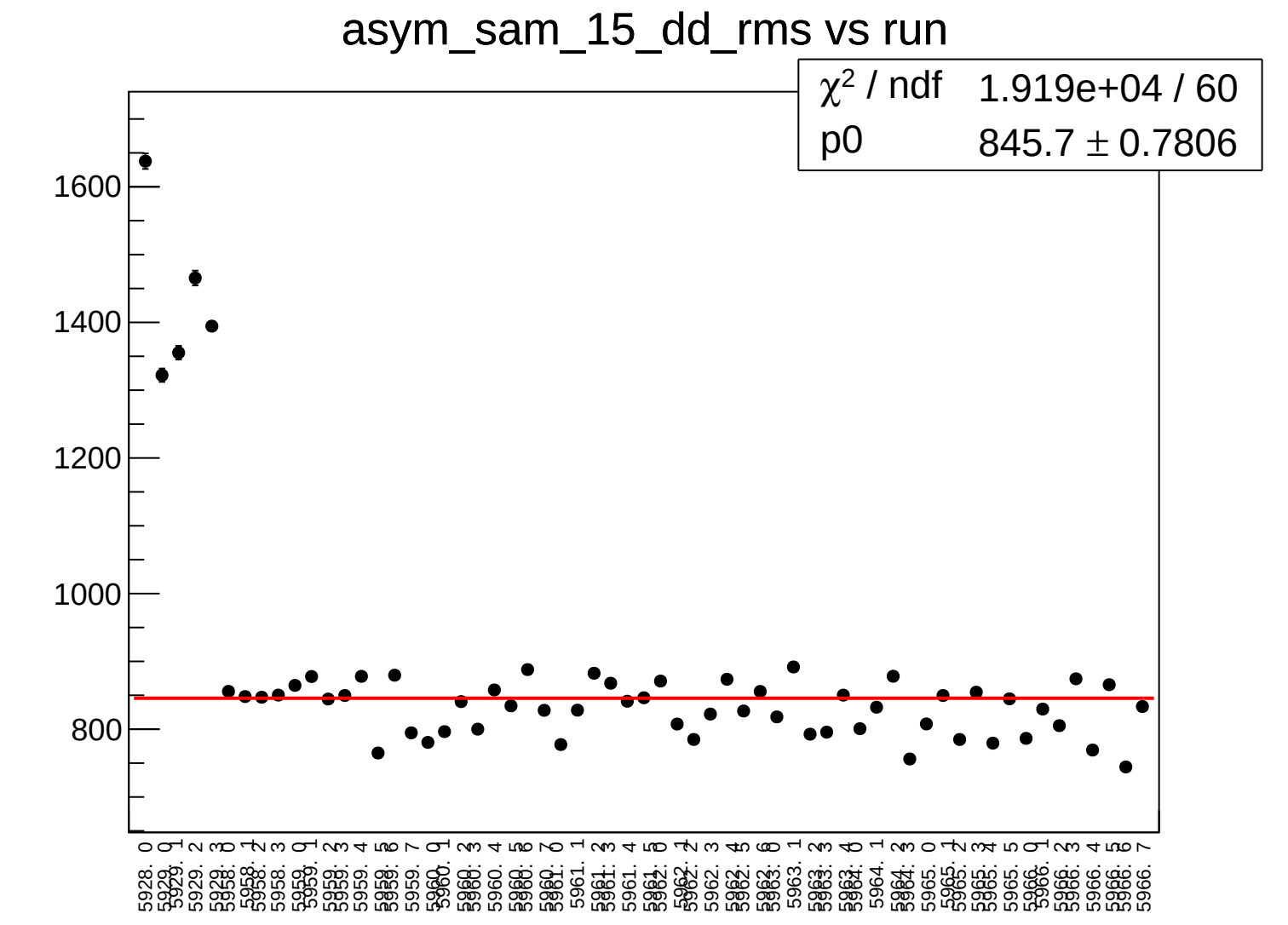

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.29 / 60
p0 −990.9 ± 1125
pull
Entries 61
Mean −1487
Std Dev 0

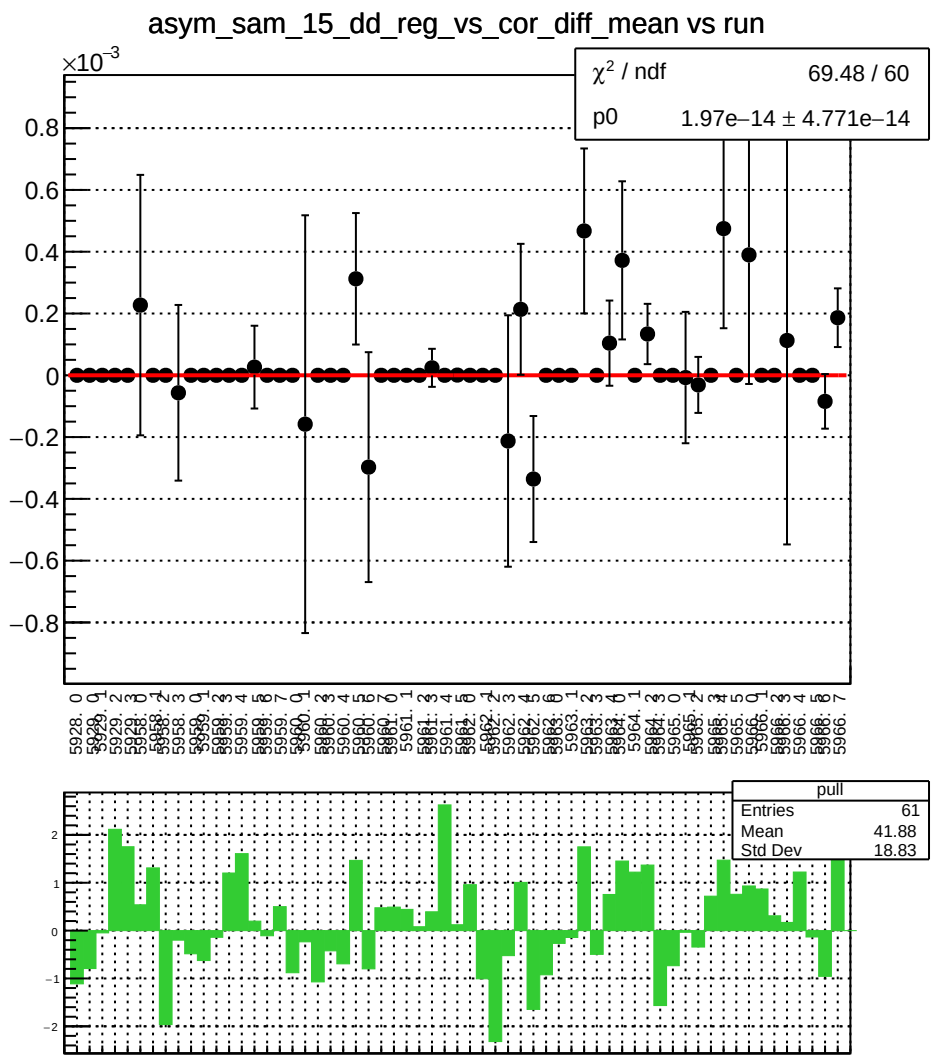

pull1D
Entries 61
Mean −0.001906
Std Dev 0.952

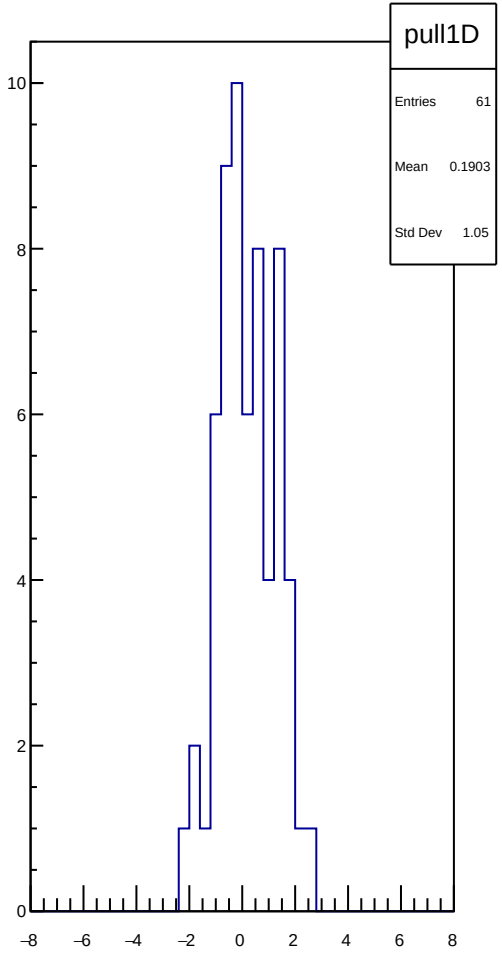

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.941e+04 / 60
p0 861.4 ± 0.7952
1600
1400
1200
1000
800

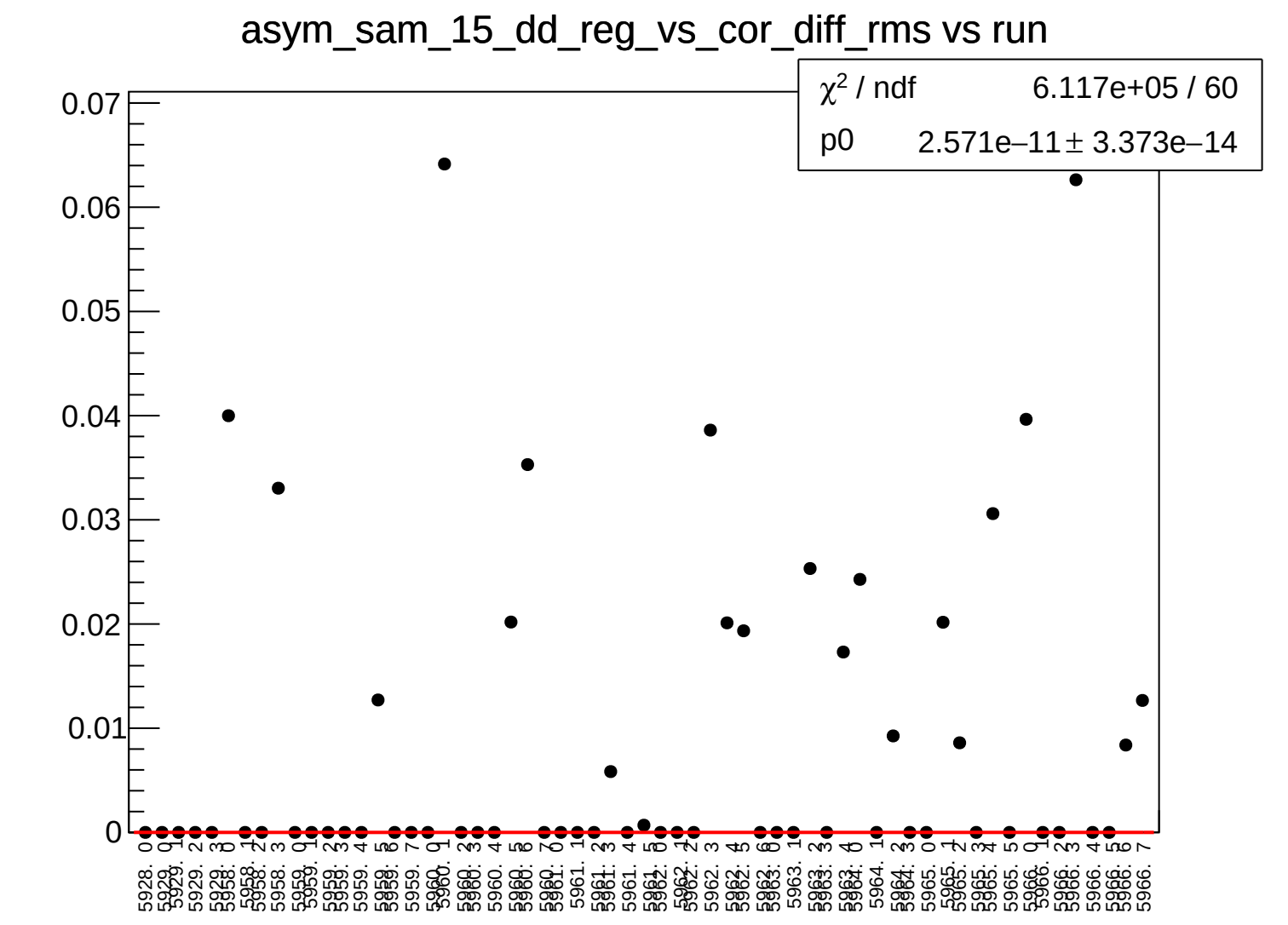

asym_sam_15_dd_mean vs run
χ² / ndf 57.03 / 60
p0 909.4 ± 1104
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean −1.133e+04
Std Dev 0
2
1
0
−1
−2

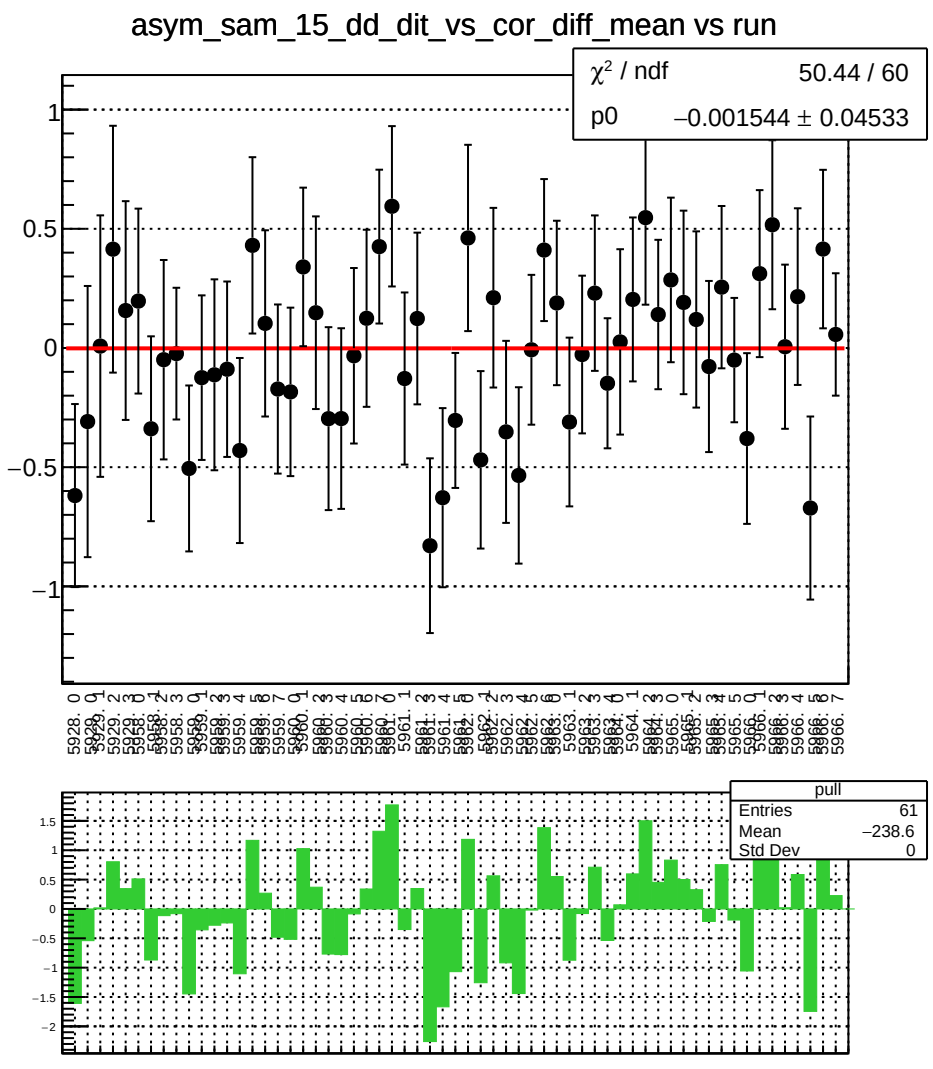

pull1D
Entries 61
Mean 0.0002074
Std Dev 0.9669
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

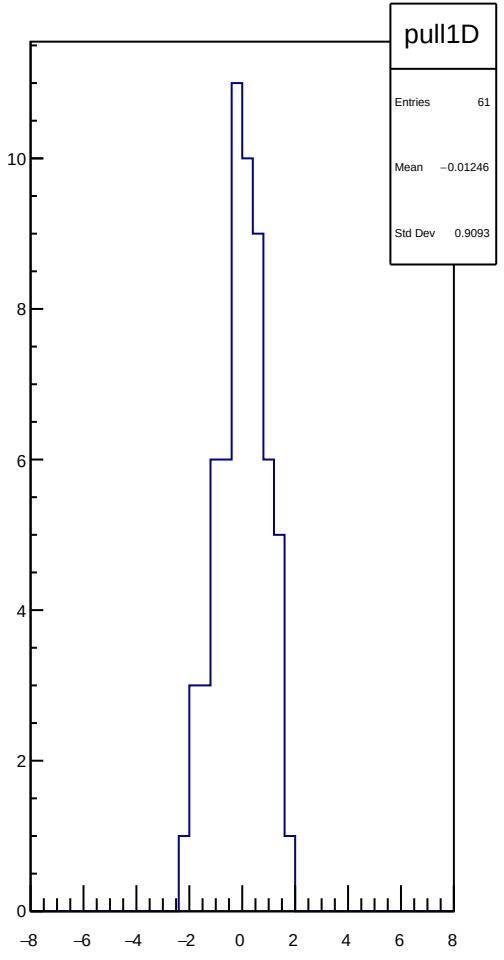

asym_sam_15_dd_rms vs run
χ² / ndf 1.919e+04 / 60
p0 845.7 ± 0.7806
1600
1400
1200
1000
800

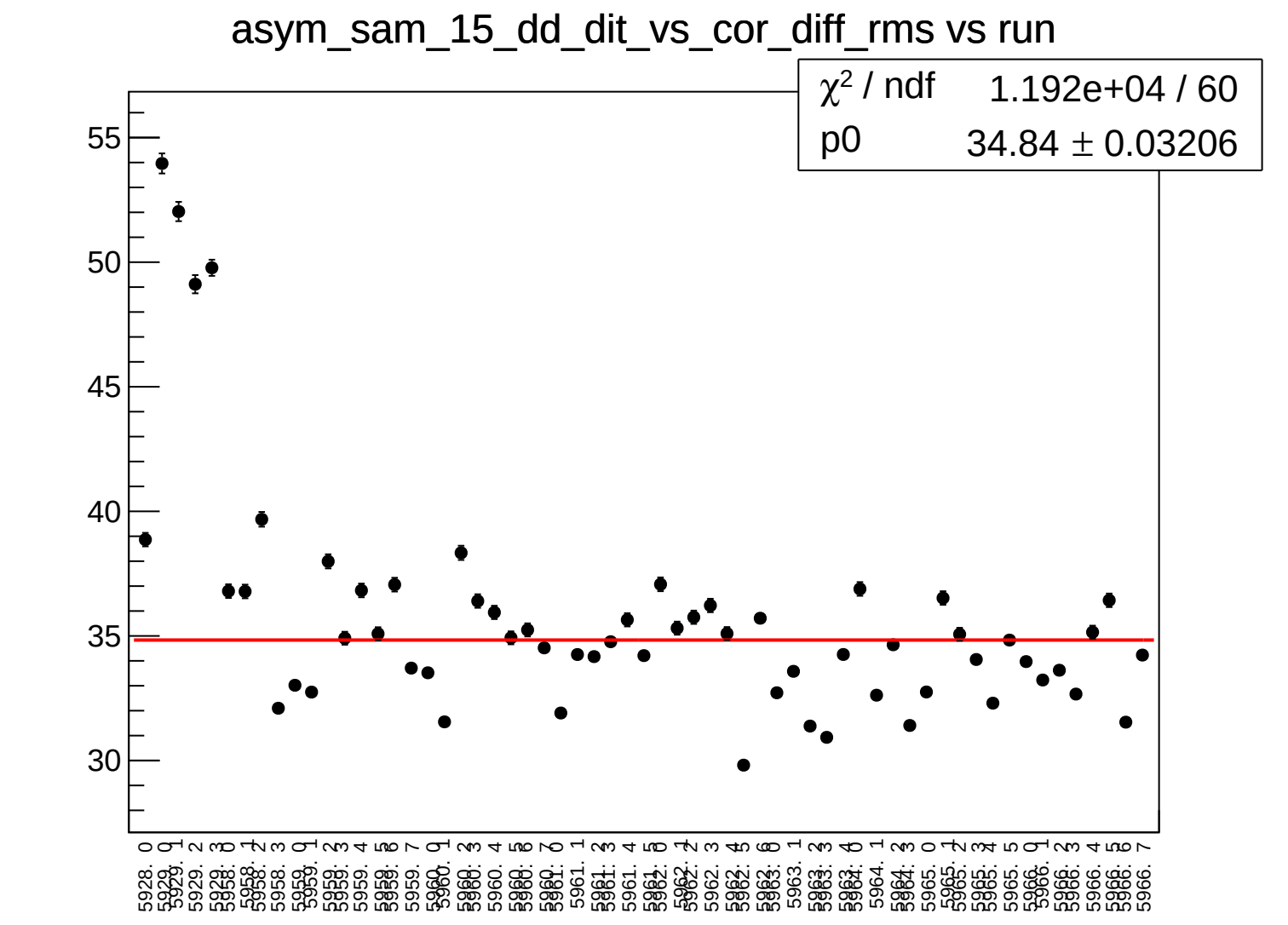

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 69.48 / 60
p0 1.97e−14 ± 4.771e−14
pull
Entries 61
Mean 41.88
Std Dev 18.83

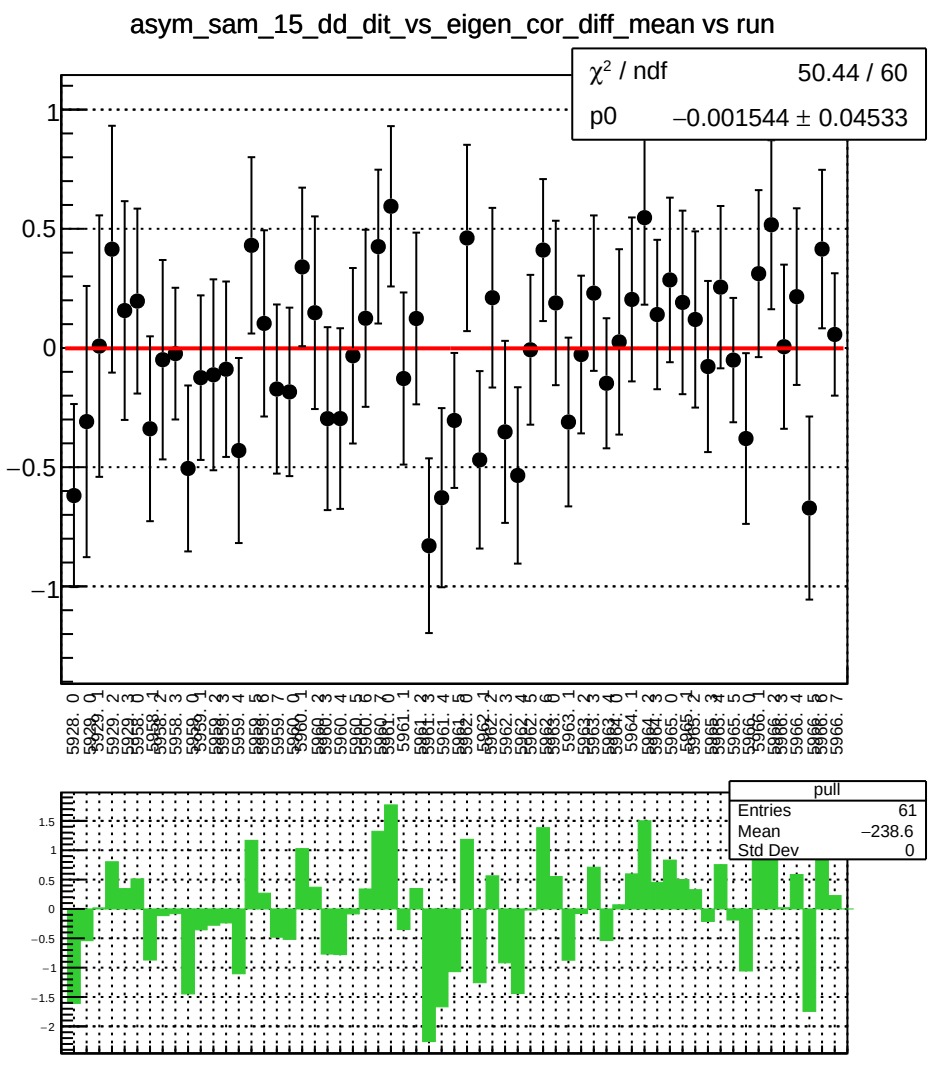

pull1D
Entries 61
Mean 0.1903
Std Dev 1.05

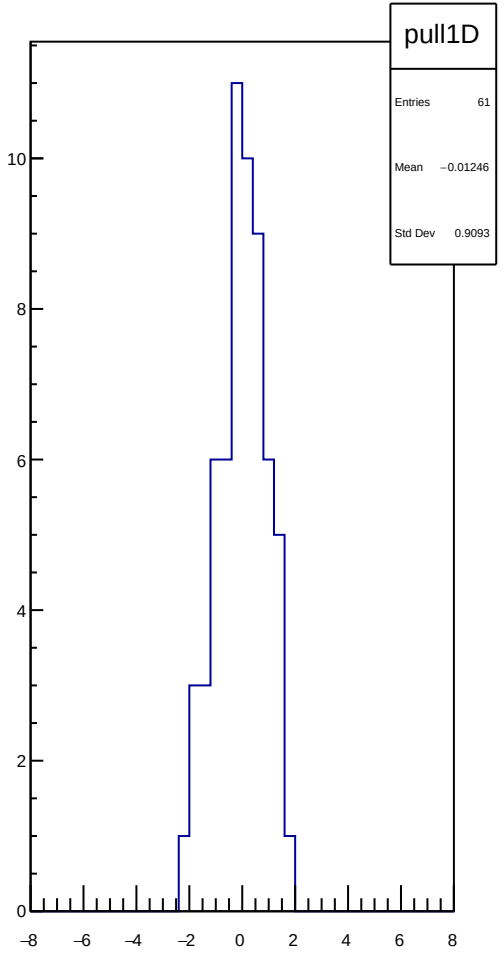

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.117e+05 / 60
p0 2.571e−11 ± 3.373e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

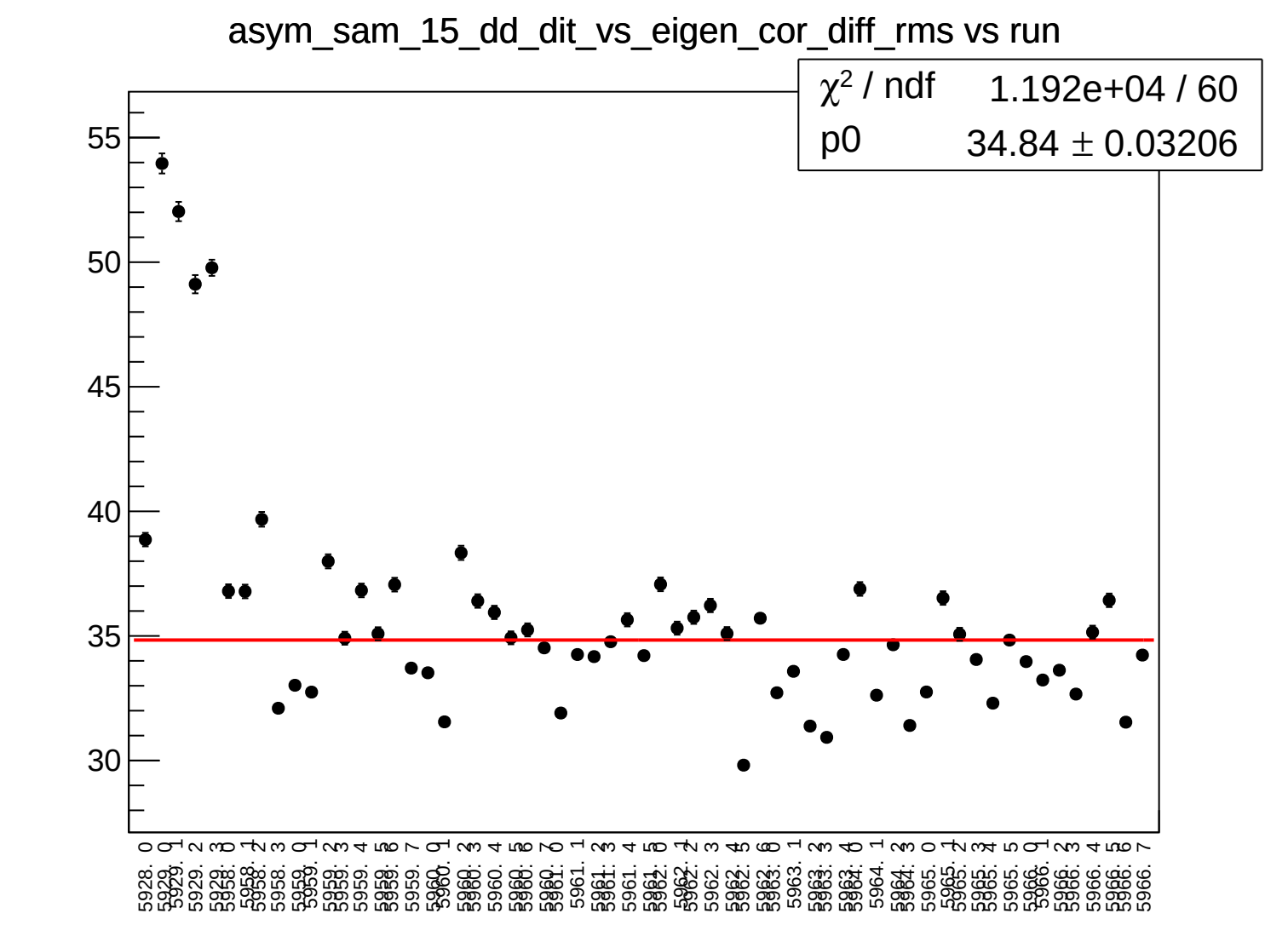

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.44 / 60
p0 −0.001544 ± 0.04533
pull
Entries 61
Mean −238.6
Std Dev 0

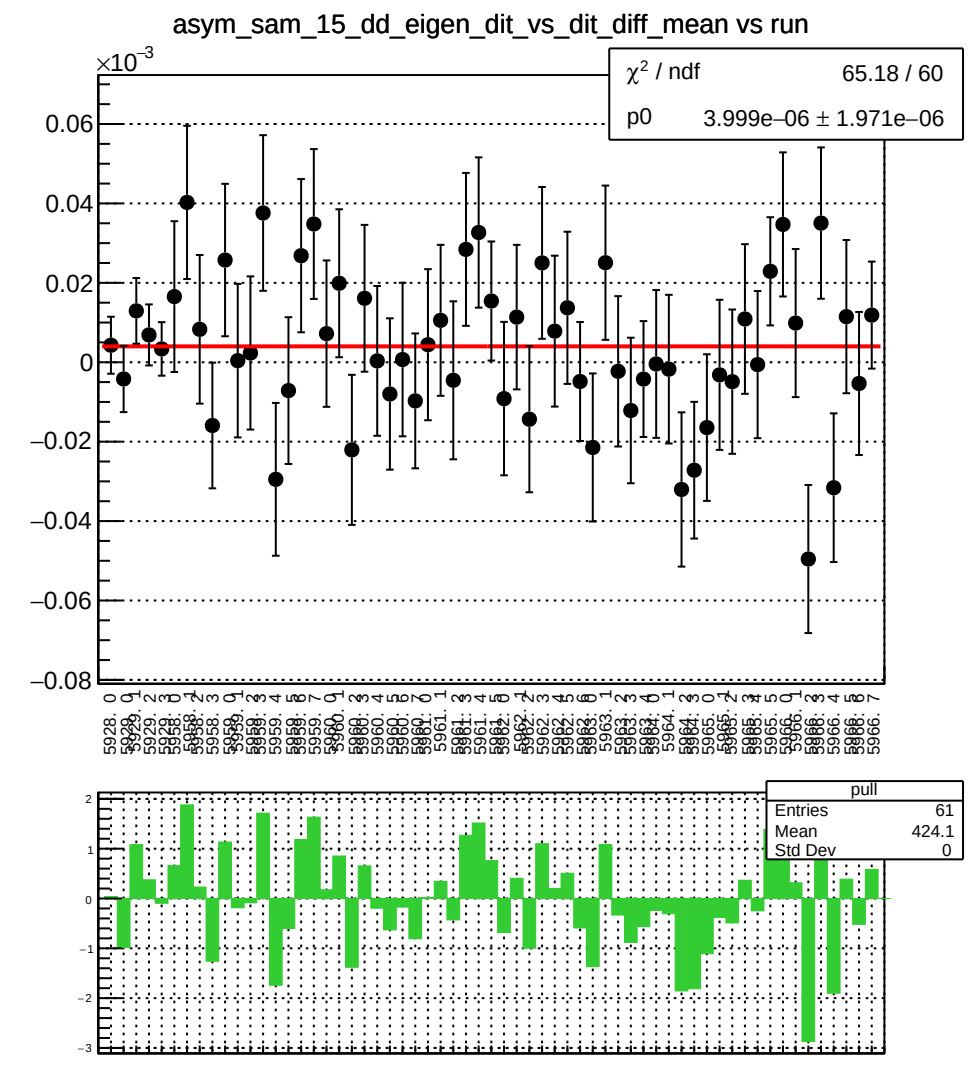

pull1D
Entries 61
Mean −0.01246
Std Dev 0.9093

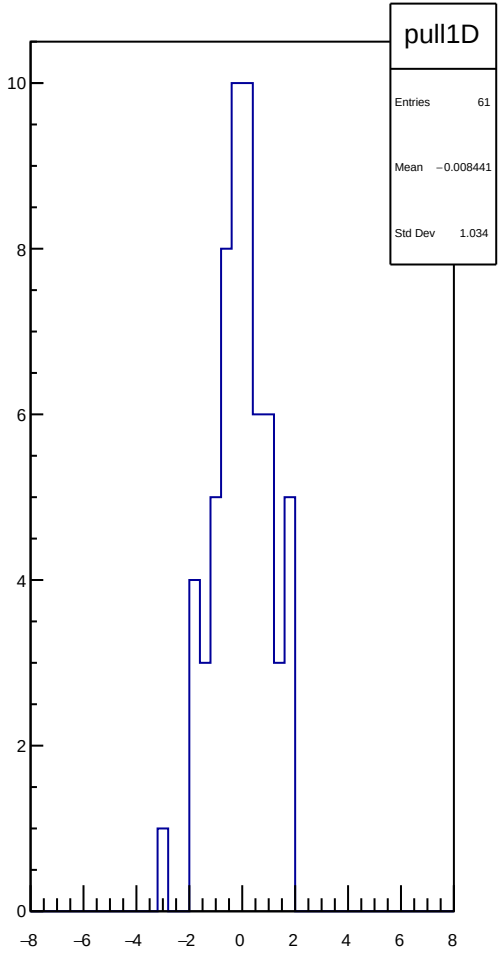

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.192e+04 / 60
p0 34.84 ± 0.03206
55
50
45
40
35
30

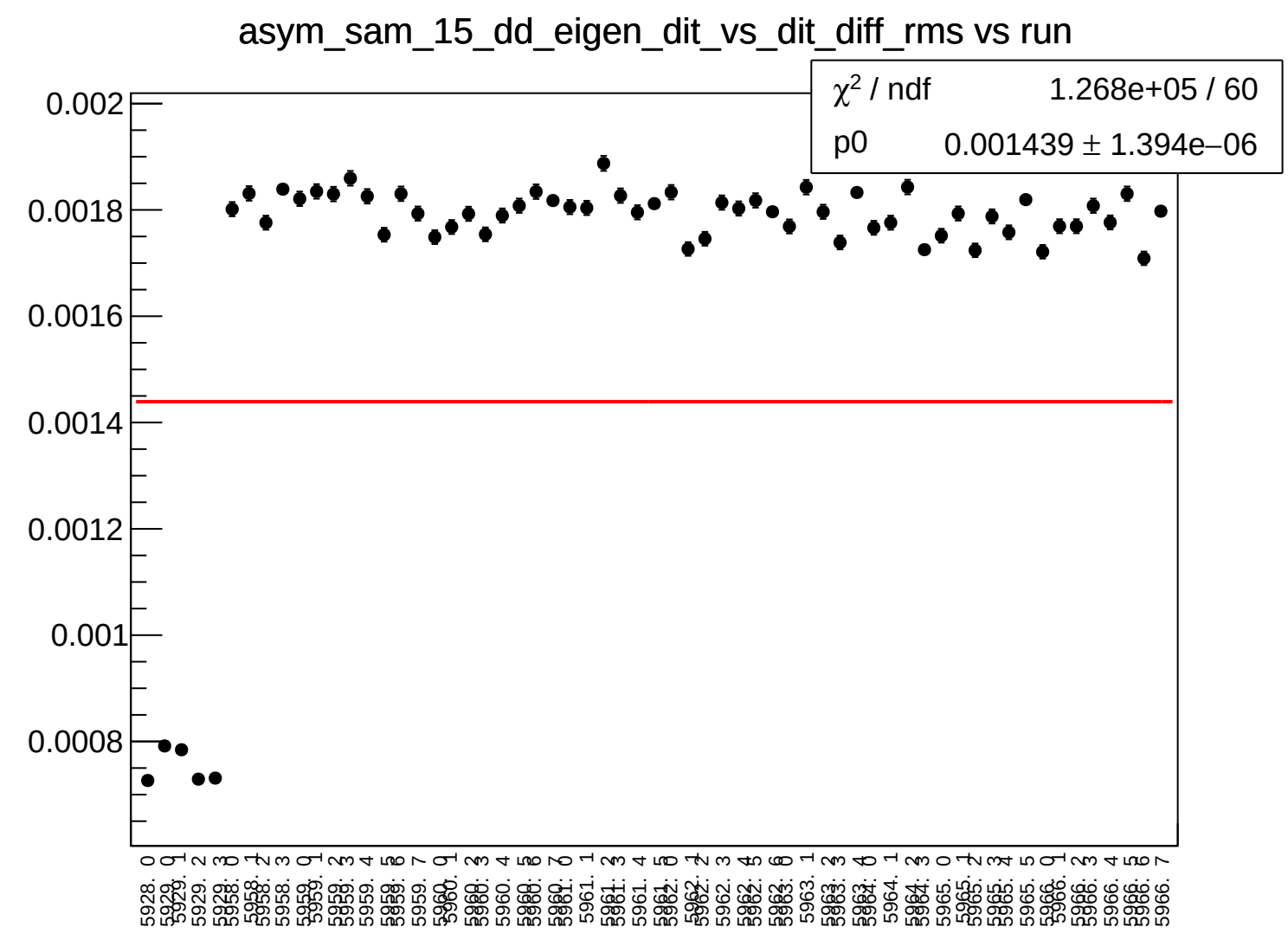

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.44 / 60
p0 −0.001544 ± 0.04533
pull
Entries 61
Mean −238.6
Std Dev 0

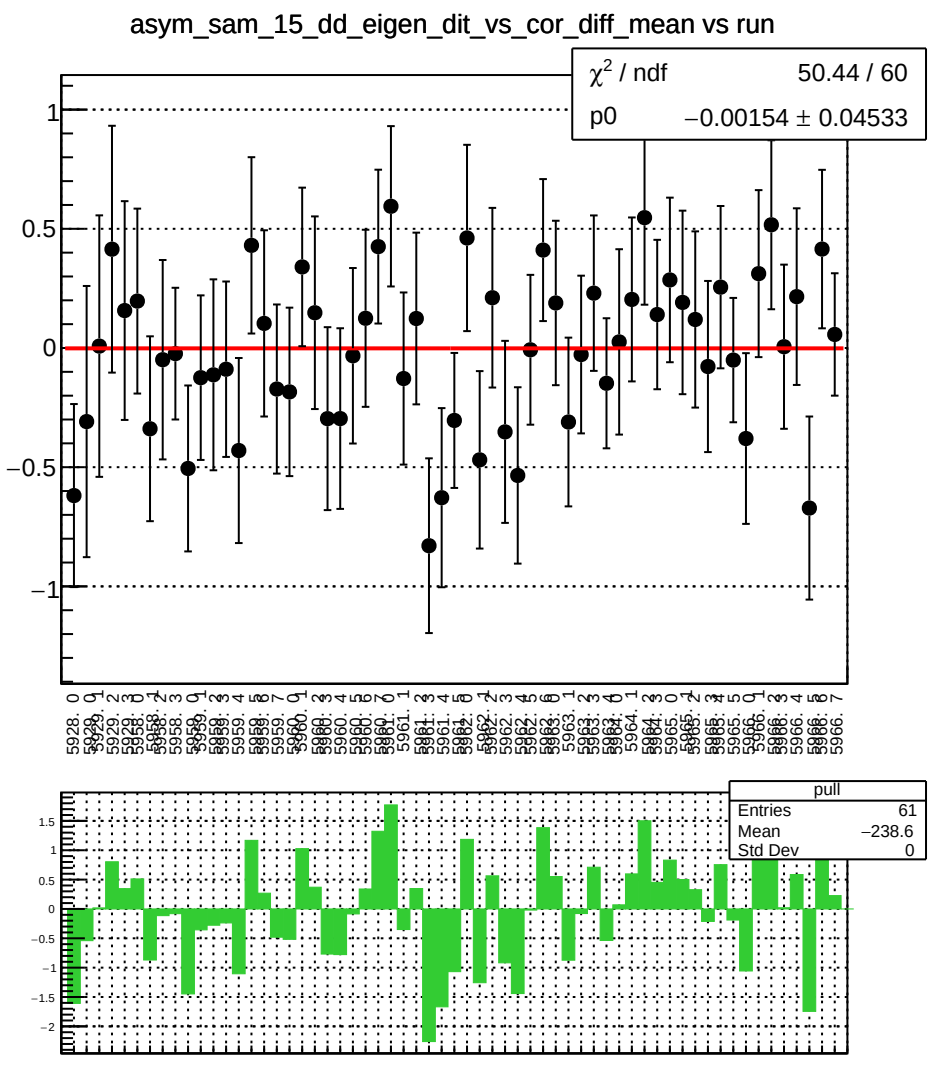

pull1D
Entries 61
Mean −0.01246
Std Dev 0.9093

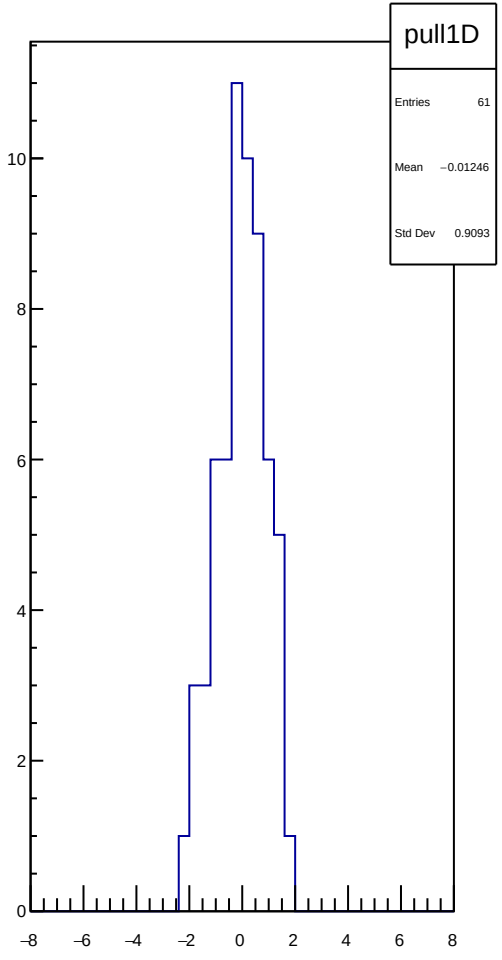

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.192e+04 / 60
p0 34.84 ± 0.03206
55
50
45
40
35
30

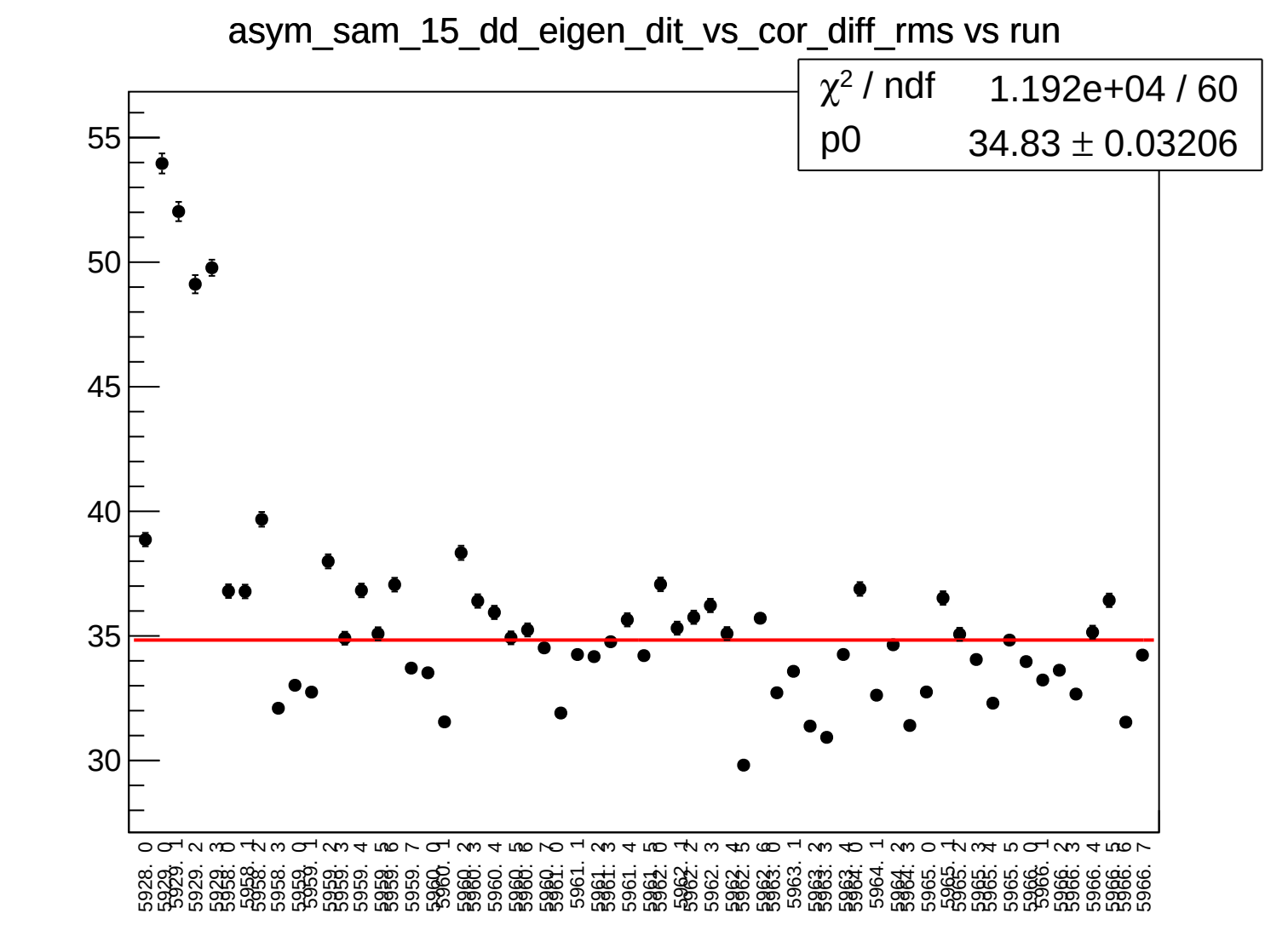

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 65.18 / 60
p0 3.999e−06 ± 1.971e−06
pull
Entries 61
Mean 424.1
Std Dev 0

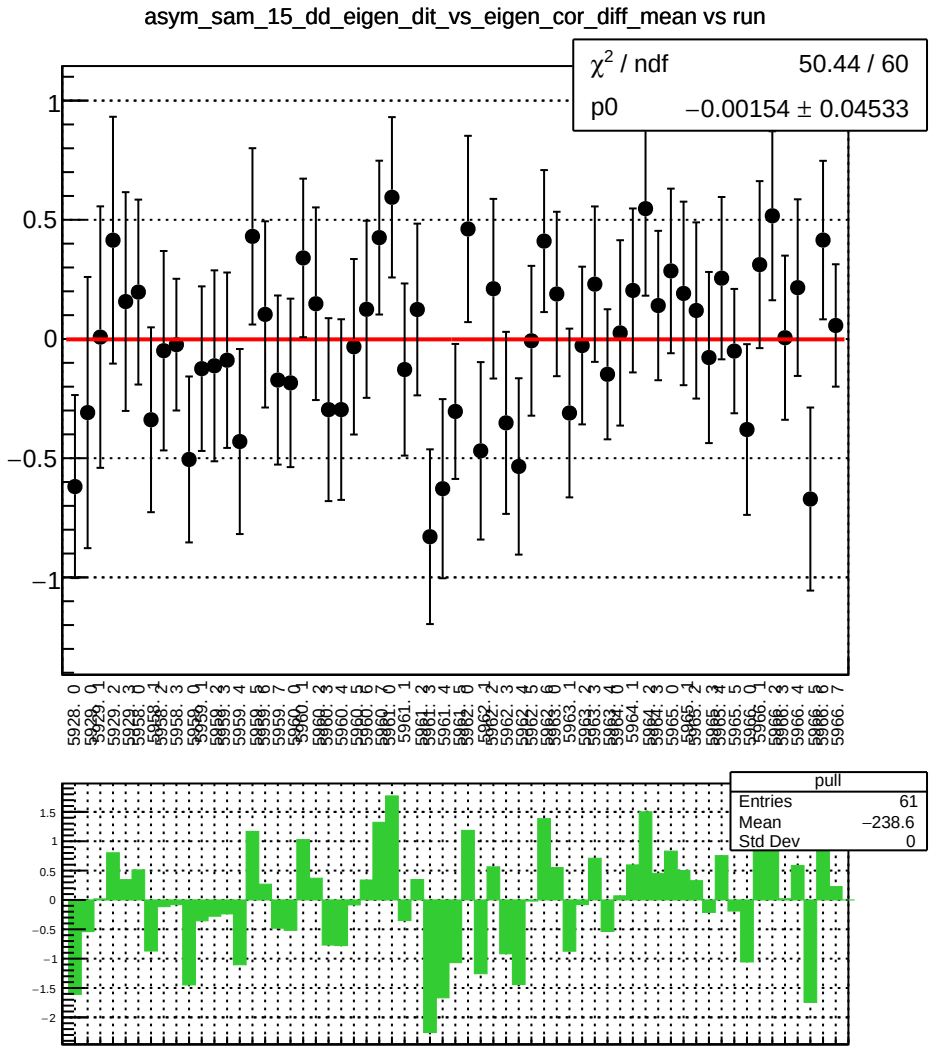

pull1D
Entries 61
Mean −0.008441
Std Dev 1.034

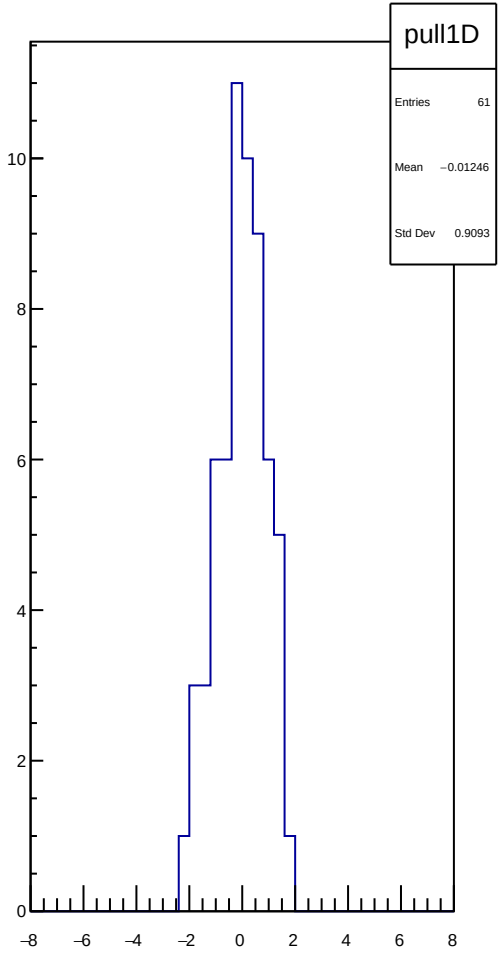

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.268e+05 / 60
p0 0.001439 ± 1.394e−06
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

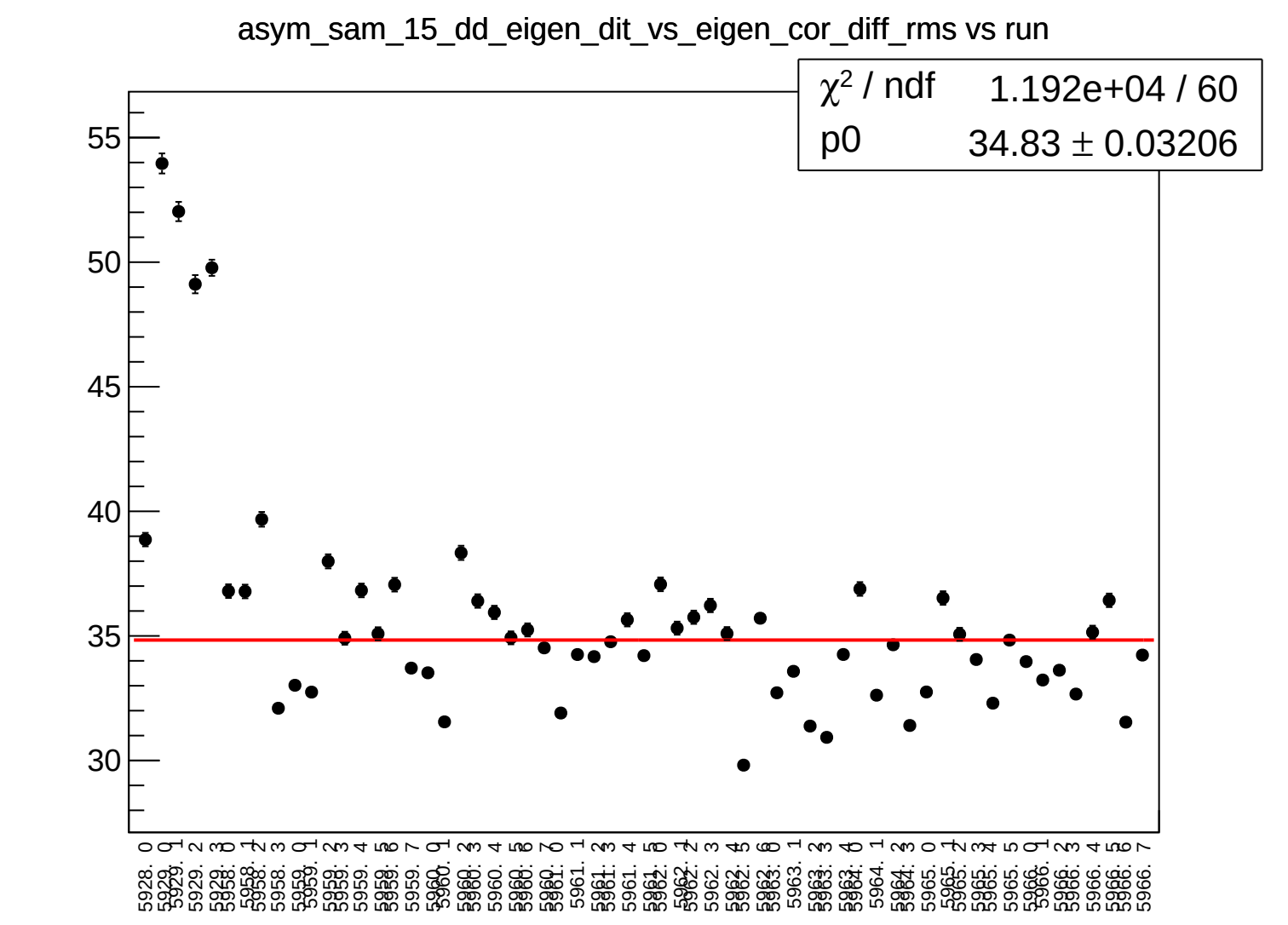

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.44 / 60
p0 −0.00154 ± 0.04533
pull
Entries 61
Mean −238.6
Std Dev 0

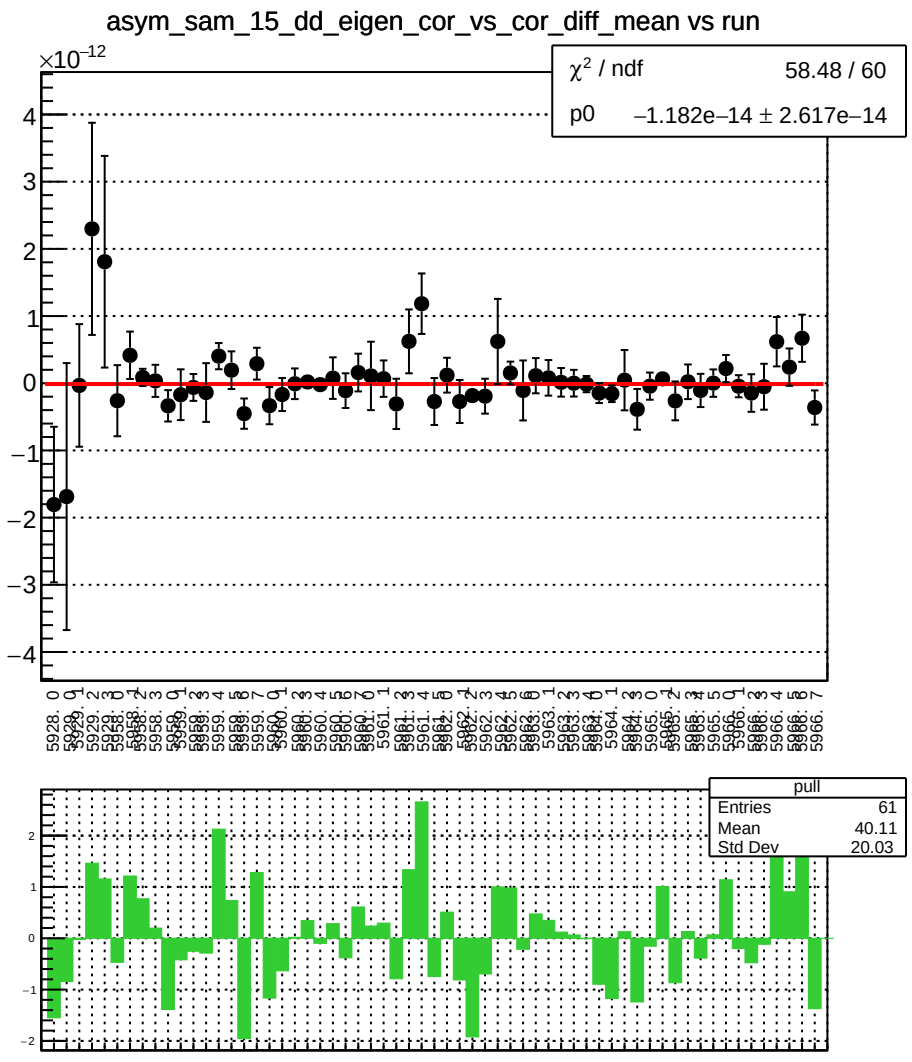

pull1D
Entries 61
Mean −0.01246
Std Dev 0.9093

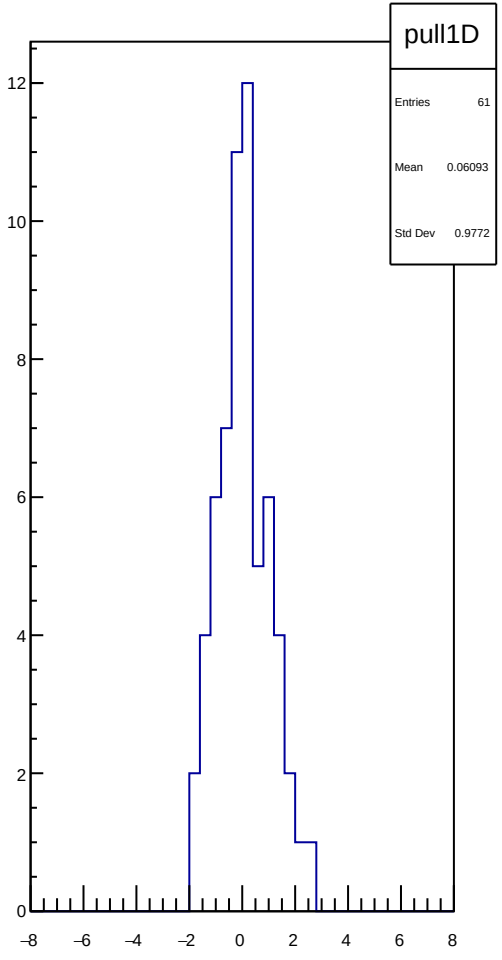

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.192e+04 / 60
p0 34.83 ± 0.03206
55
50
45
40
35
30

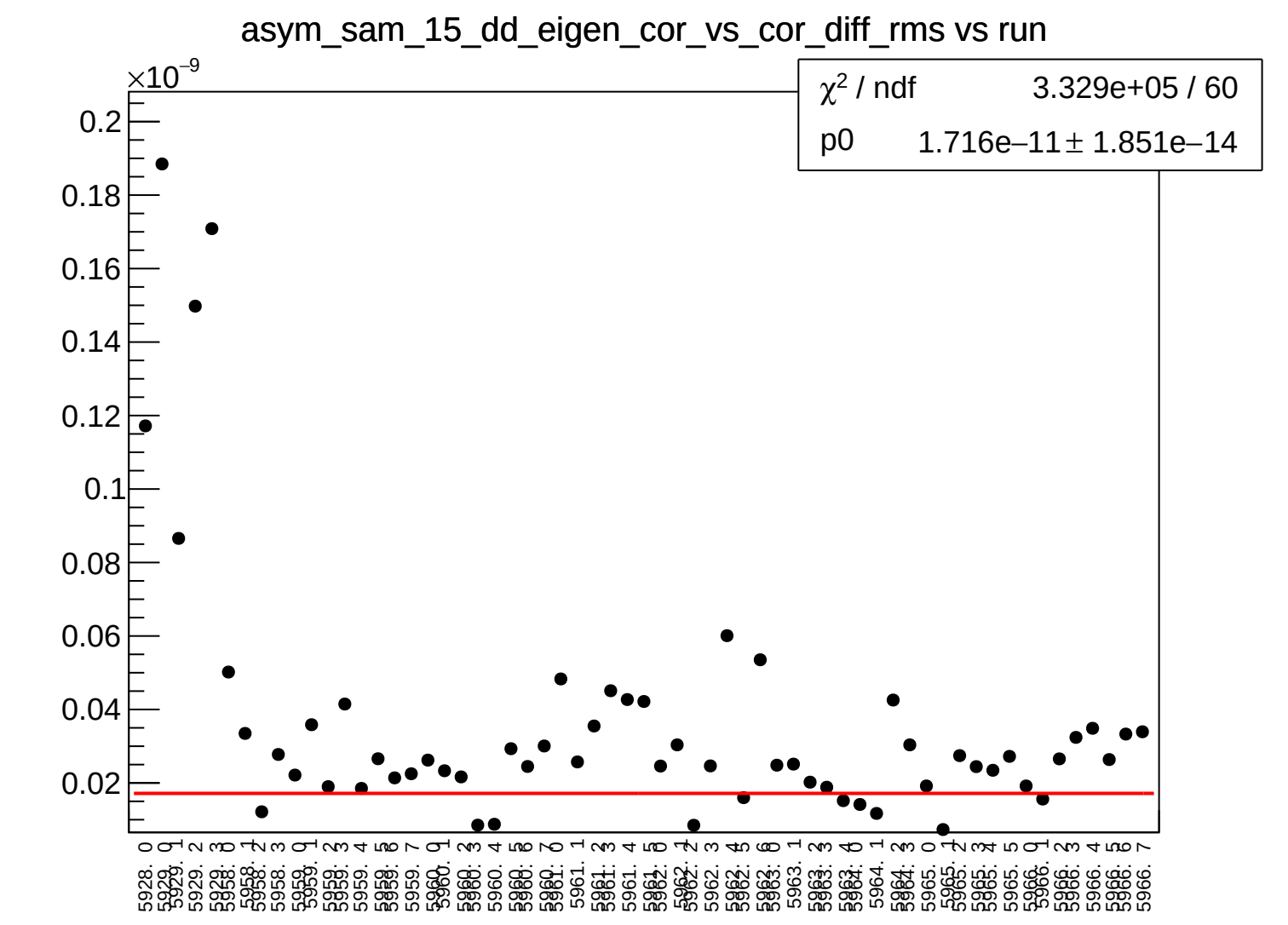

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.44 / 60
p0 −0.00154 ± 0.04533
pull
Entries 61
Mean −238.6
Std Dev 0

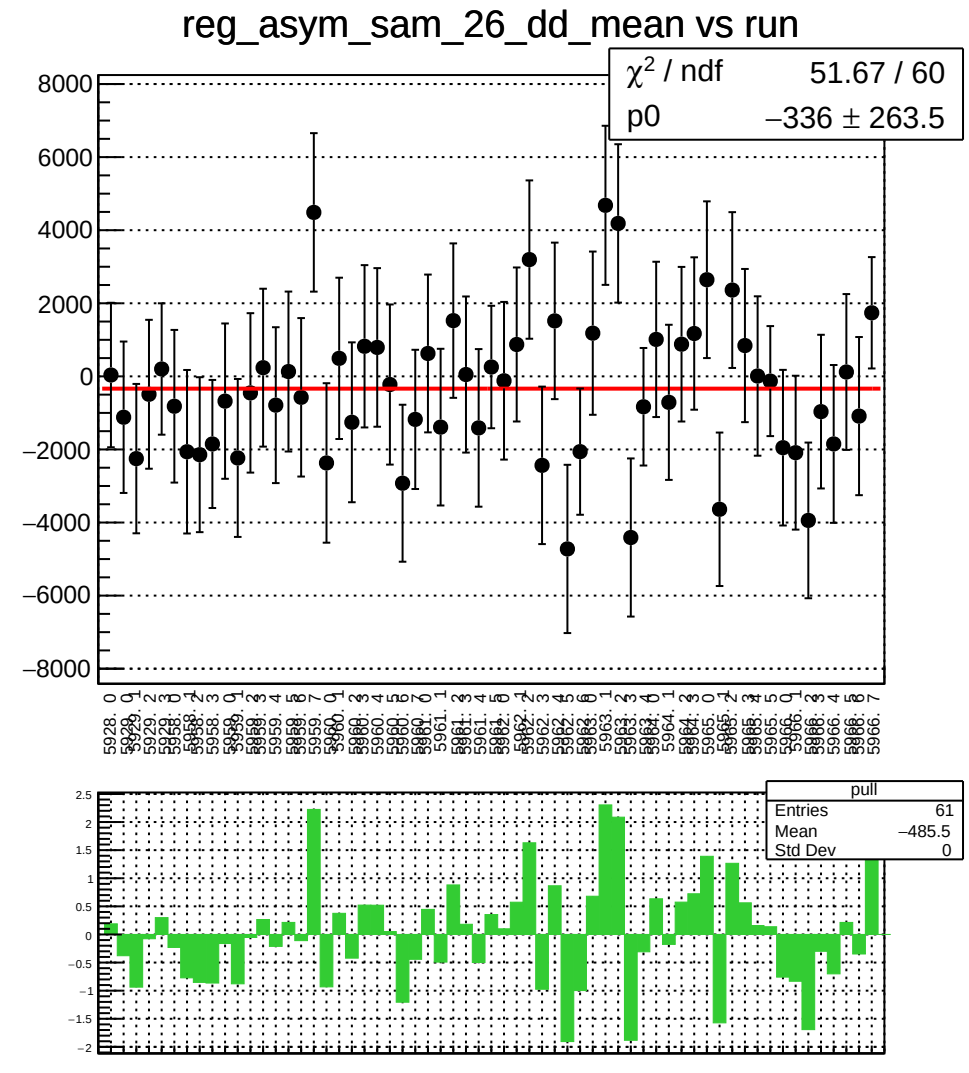

pull1D
Entries 61
Mean −0.01246
Std Dev 0.9093

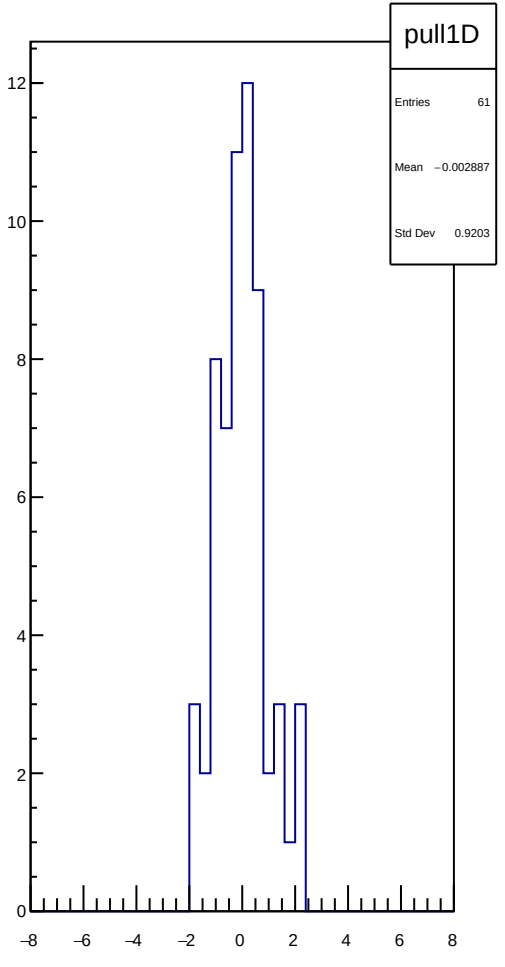

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.192e+04 / 60
p0 34.83 ± 0.03206
55
50
45
40
35
30

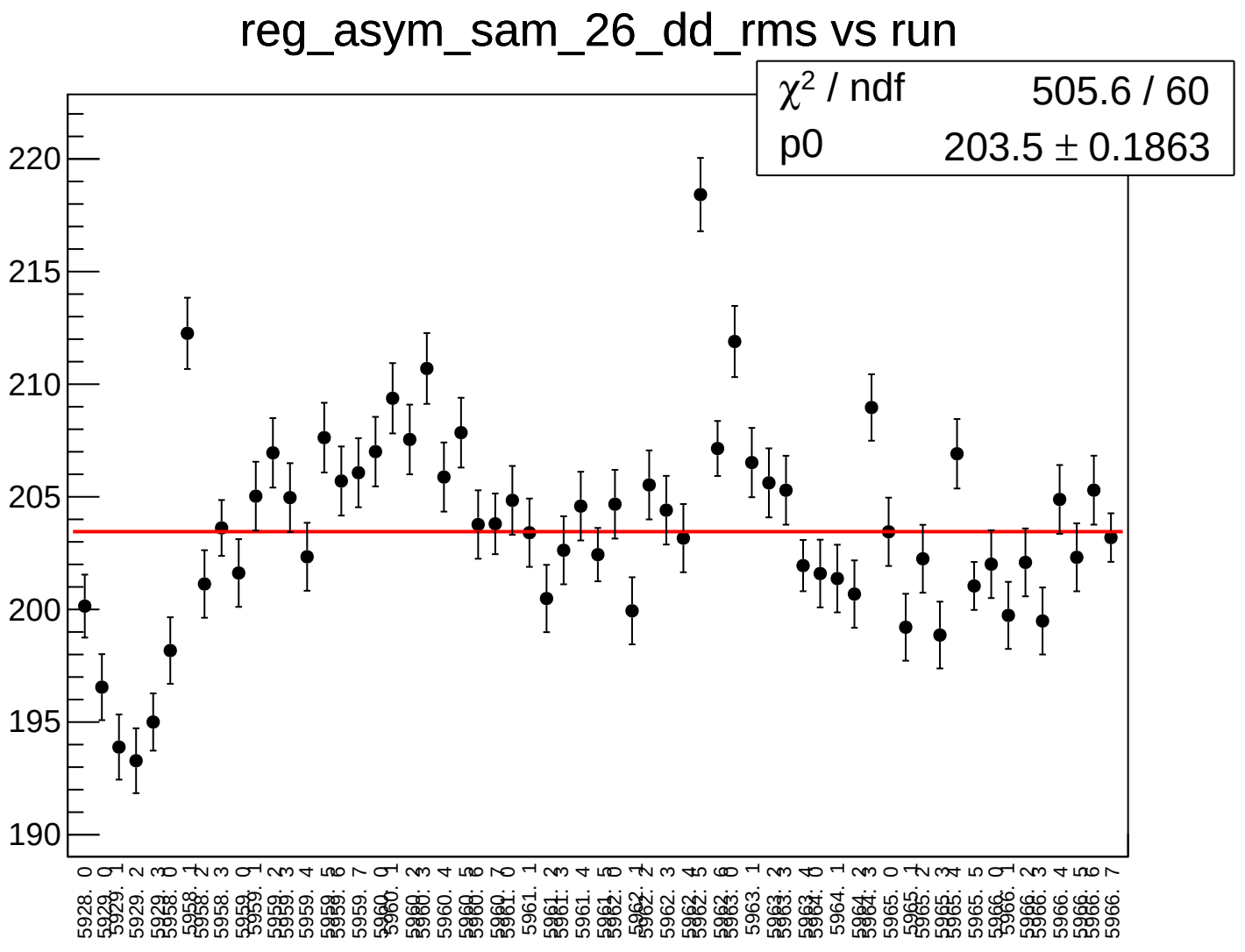

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 58.48 / 60
p0 −1.182e−14 ± 2.617e−14
pull
Entries 61
Mean 40.11
Std Dev 20.03

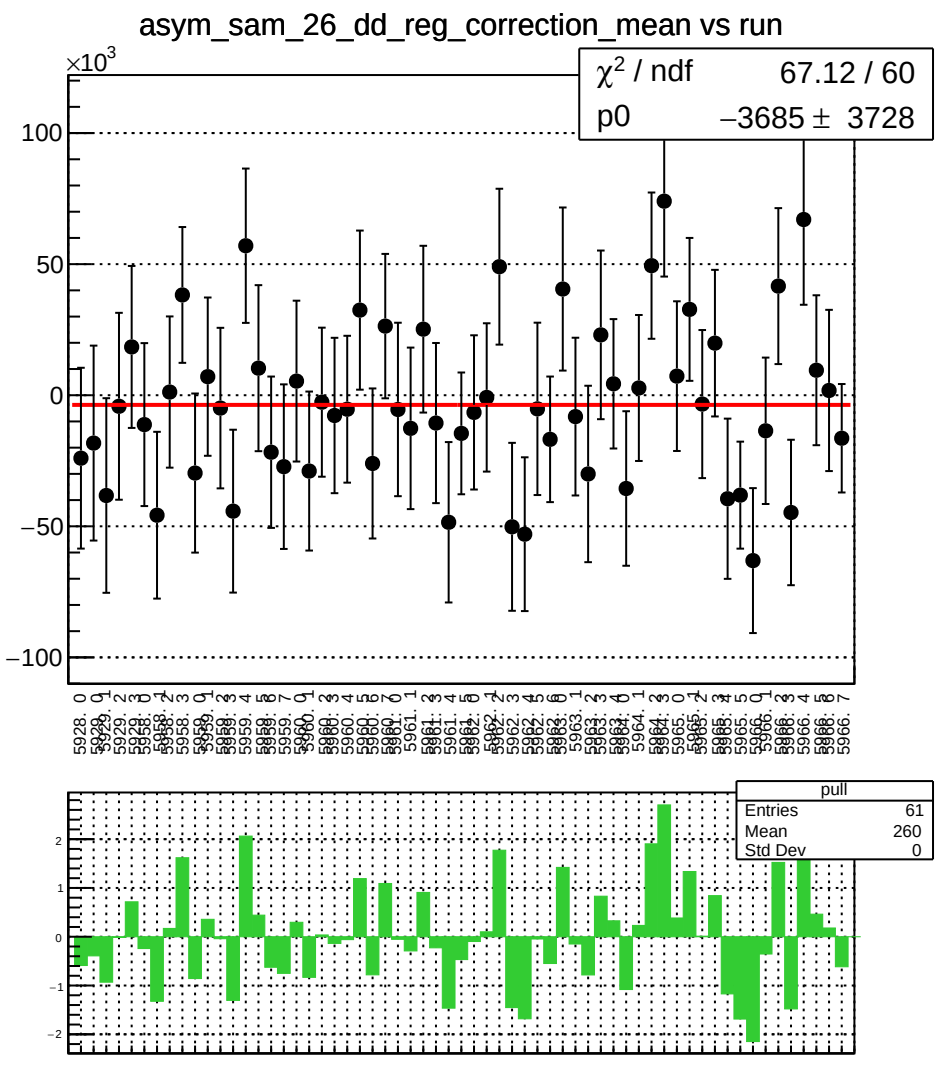

pull1D
Entries 61
Mean 0.06093
Std Dev 0.9772

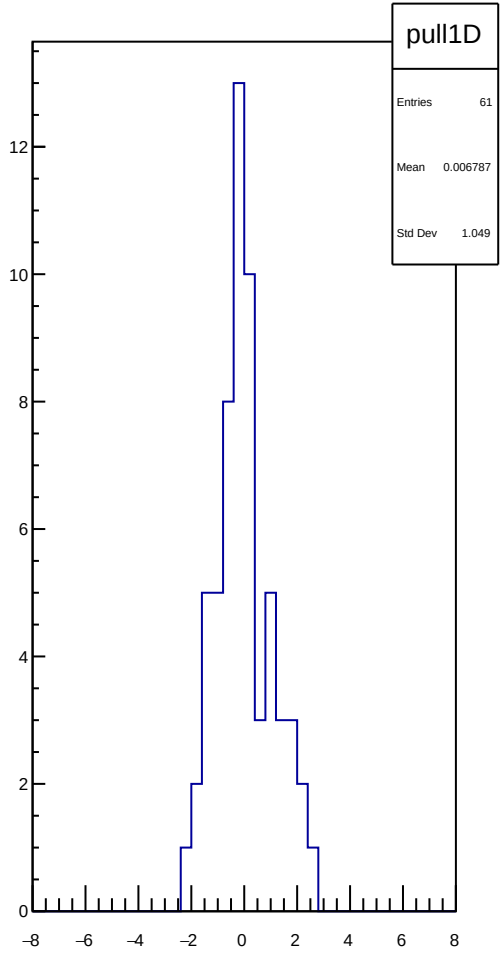

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.329e+05 / 60
p0 1.716e−11 ± 1.851e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

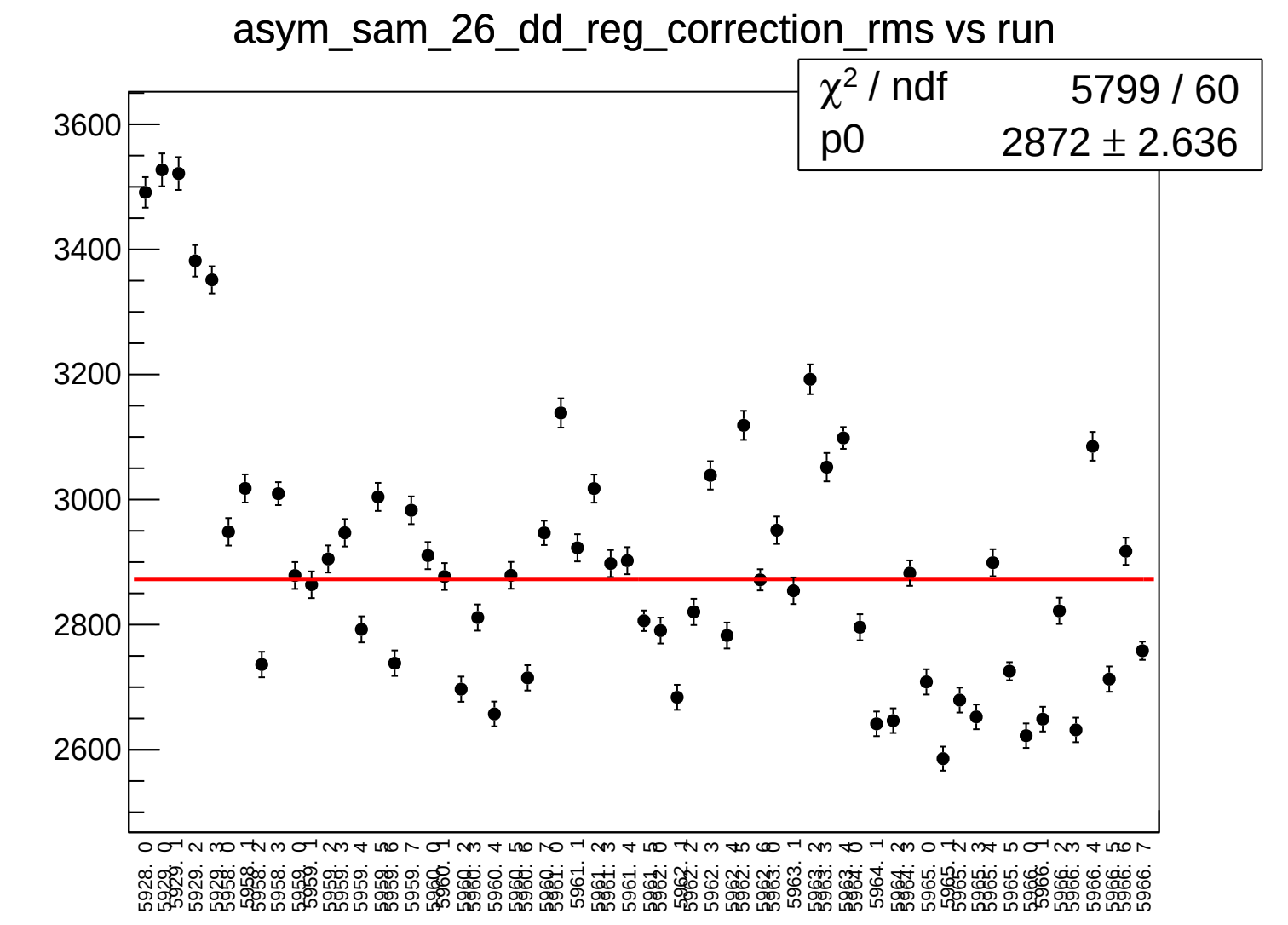

reg_asym_sam_26_dd_mean vs run
χ² / ndf 51.67 / 60
p0 −336 ± 263.5
pull
Entries 61
Mean −485.5
Std Dev 0

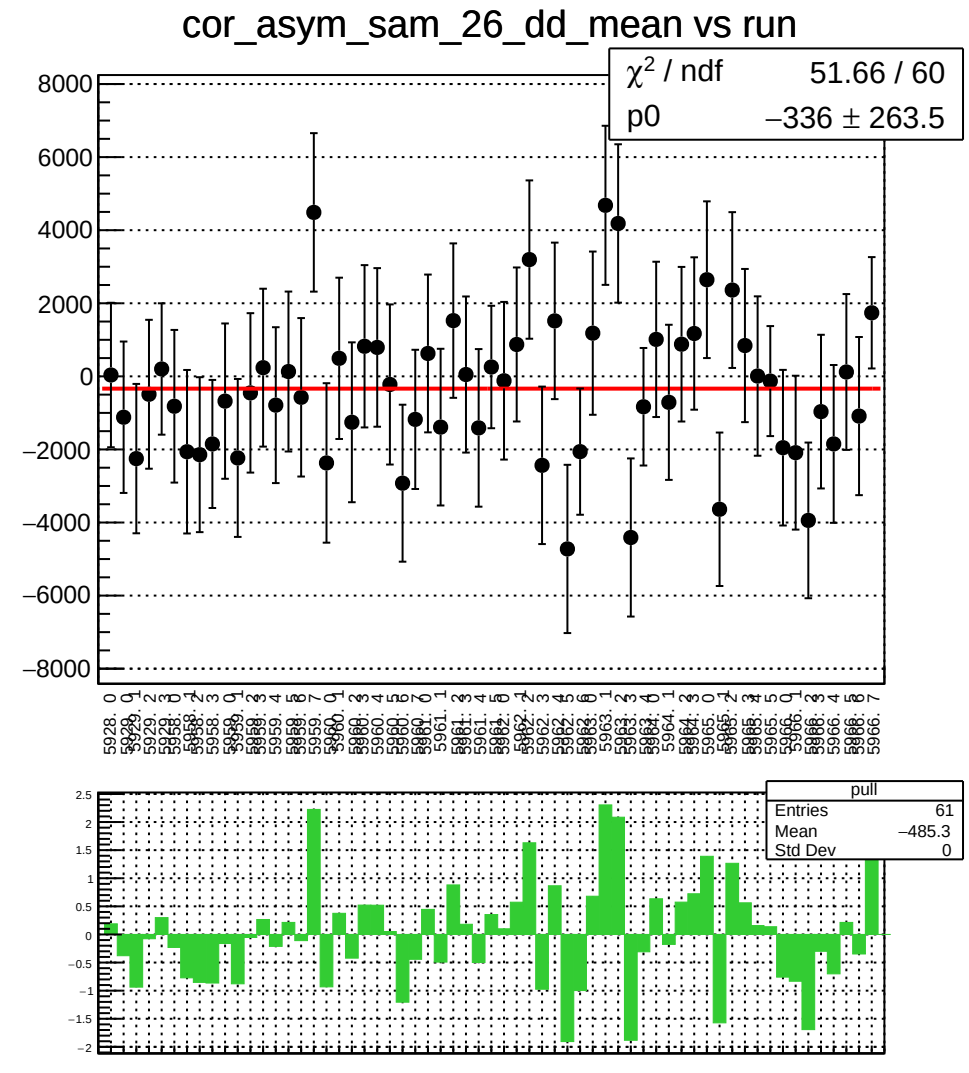

pull1D
Entries 61
Mean −0.002887
Std Dev 0.9203

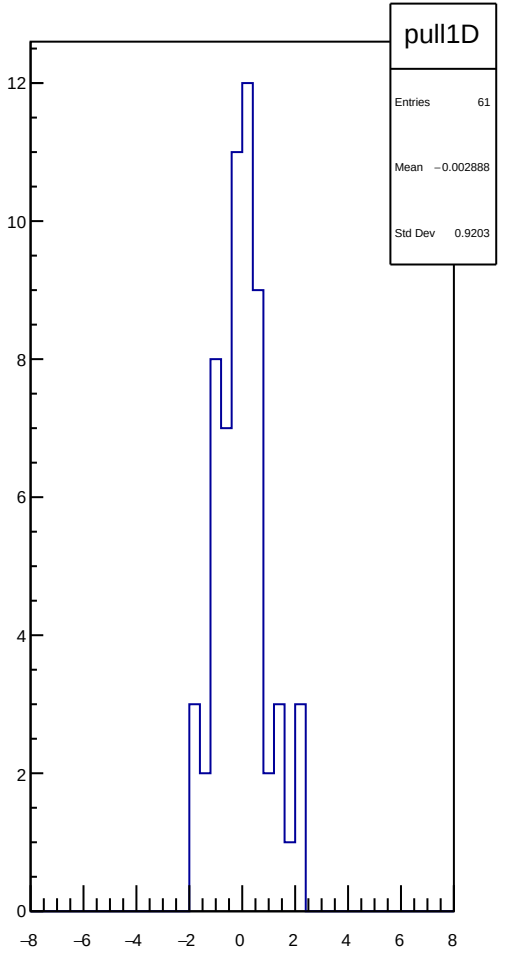

reg_asym_sam_26_dd_rms vs run
χ² / ndf 505.6 / 60
p0 203.5 ± 0.1863
220
215
210
205
200
195
190

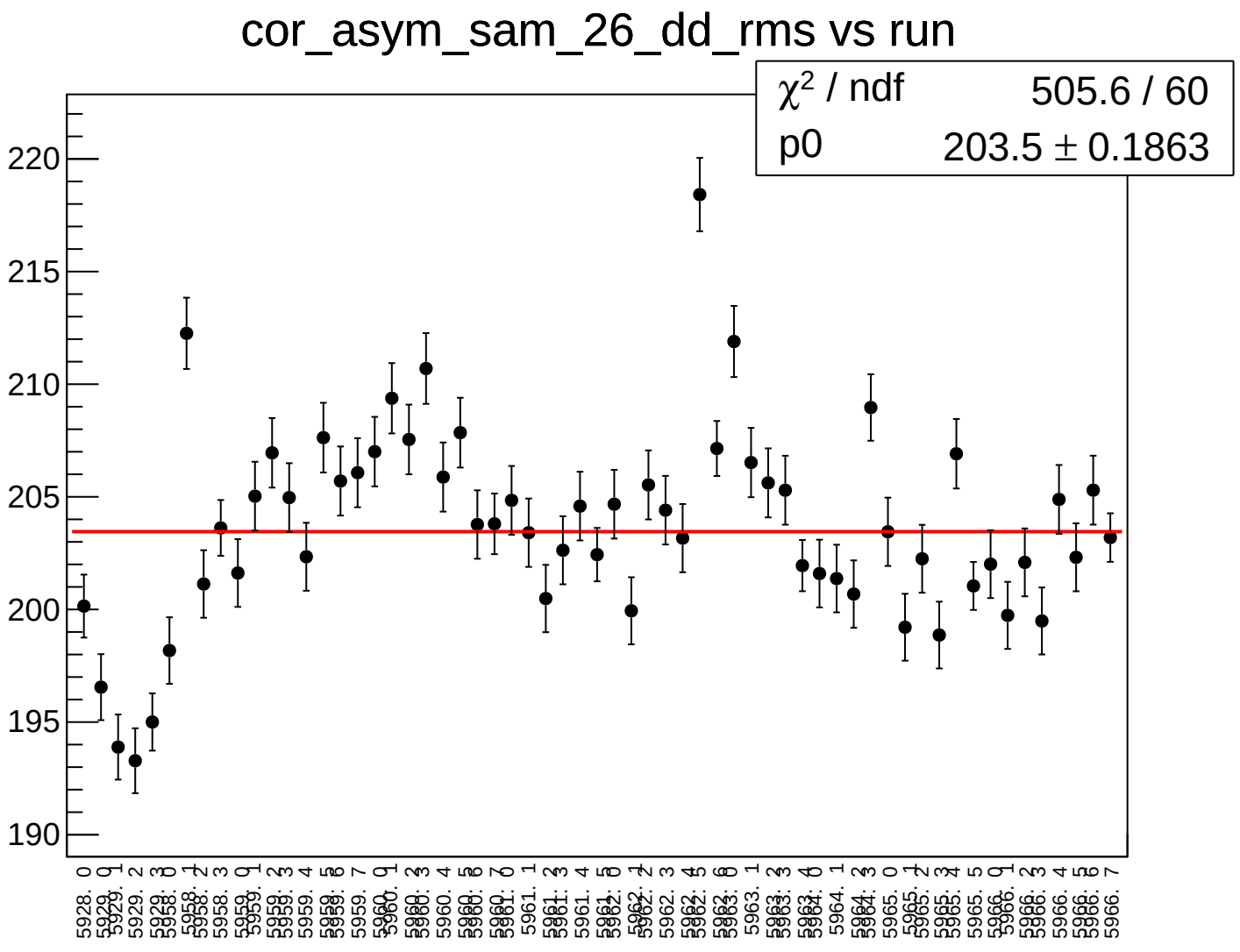

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 67.12 / 60
p0 −3685 ± 3728
100
50
0
−50
−100
pull
Entries 61
Mean 260
Std Dev 0
2
1
0
−1
−2

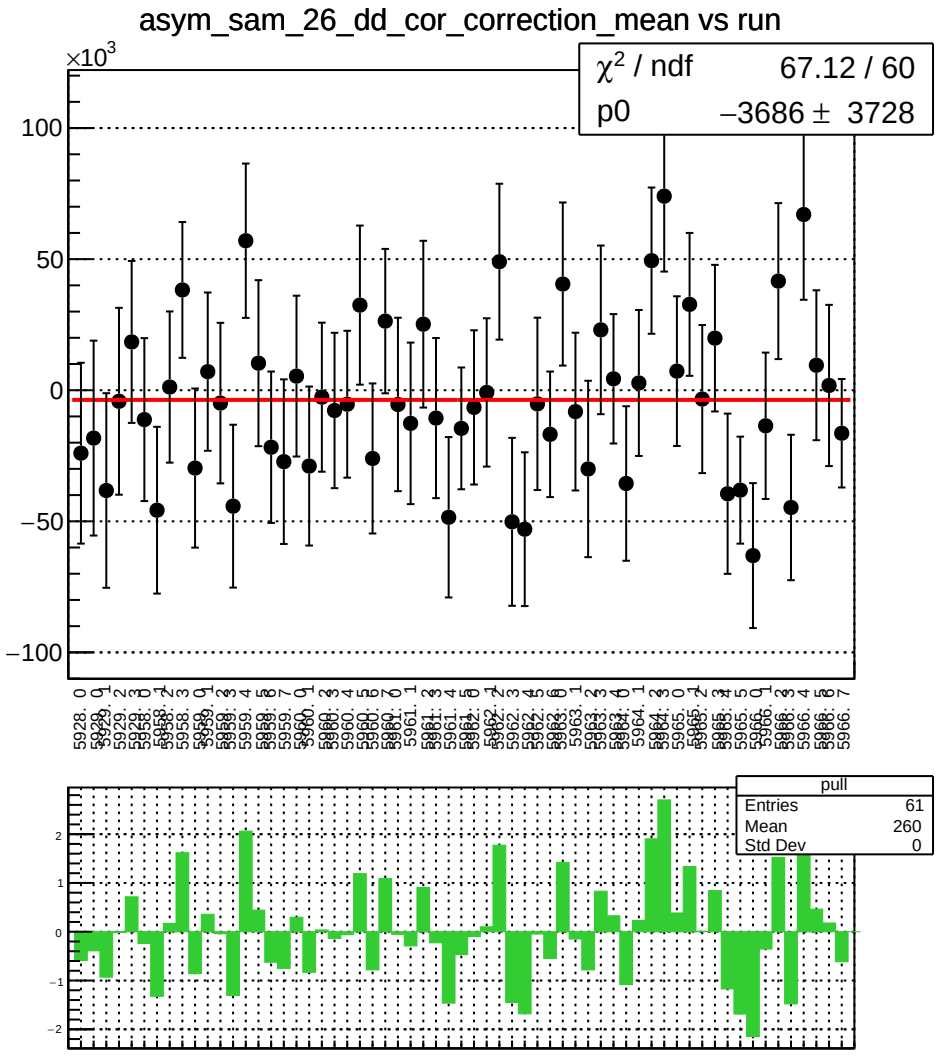

pull1D
Entries 61
Mean 0.006787
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

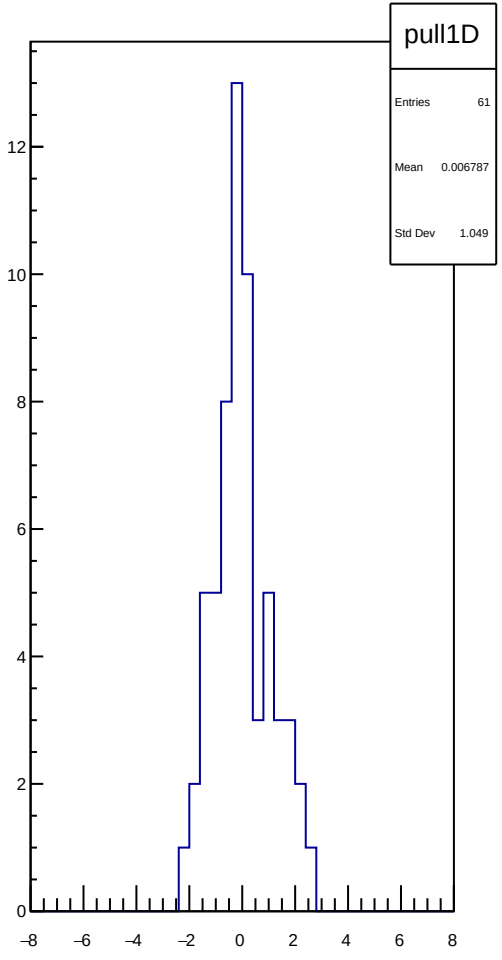

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 5799 / 60
p0 2872 ± 2.636
3600
3400
3200
3000
2800
2600

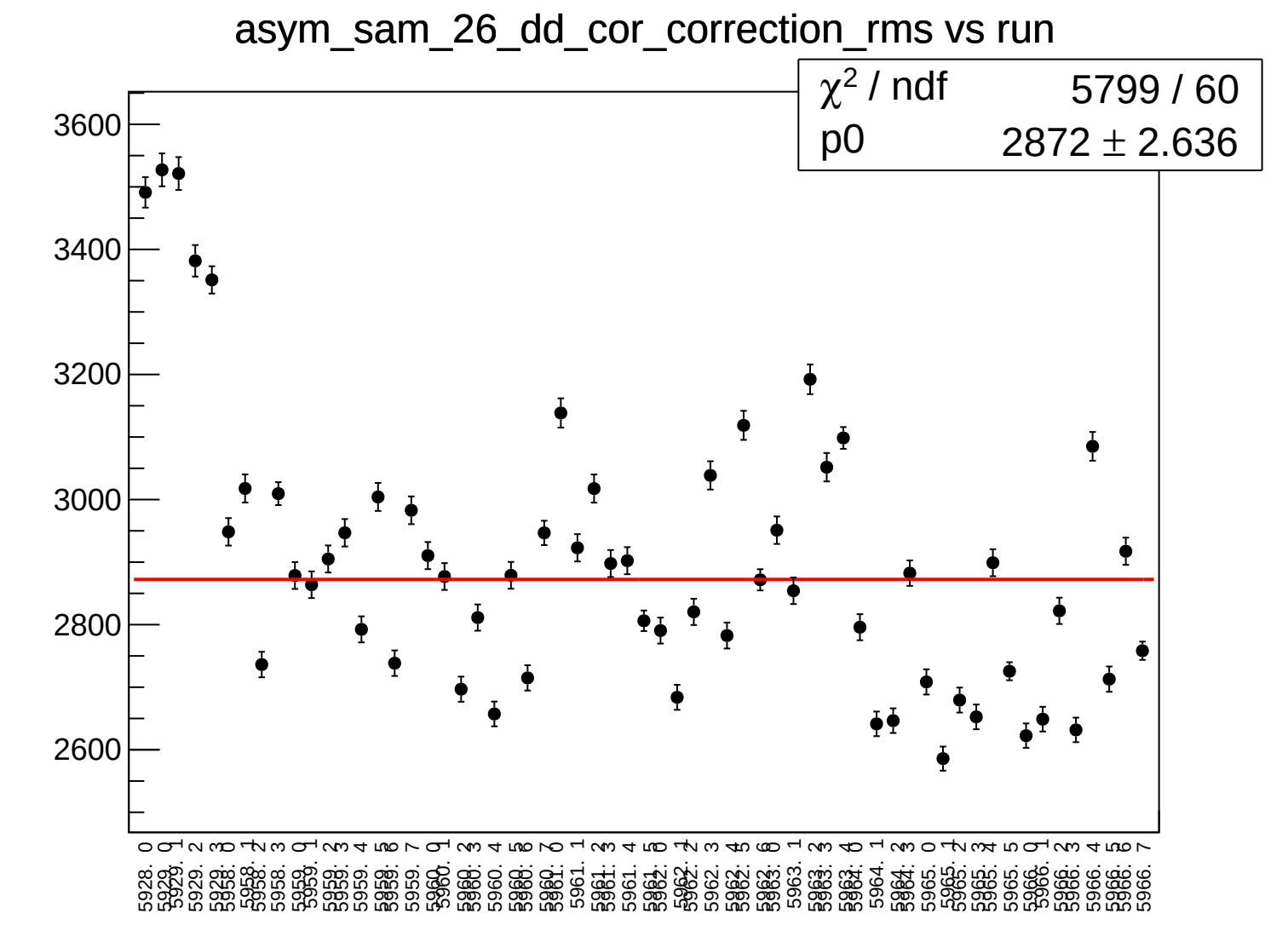

cor_asym_sam_26_dd_mean vs run
χ² / ndf 51.66 / 60
p0 −336 ± 263.5
pull
Entries 61
Mean −485.3
Std Dev 0

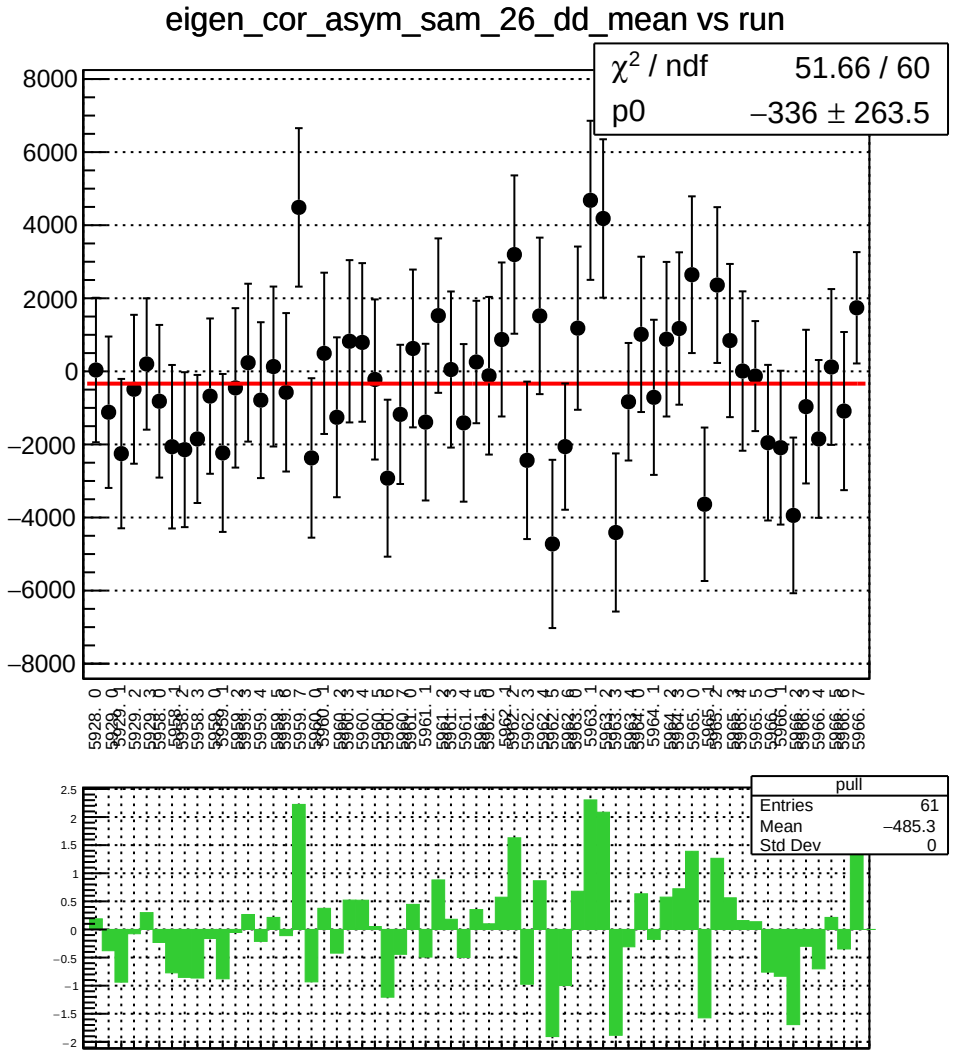

pull1D
Entries 61
Mean −0.002888
Std Dev 0.9203

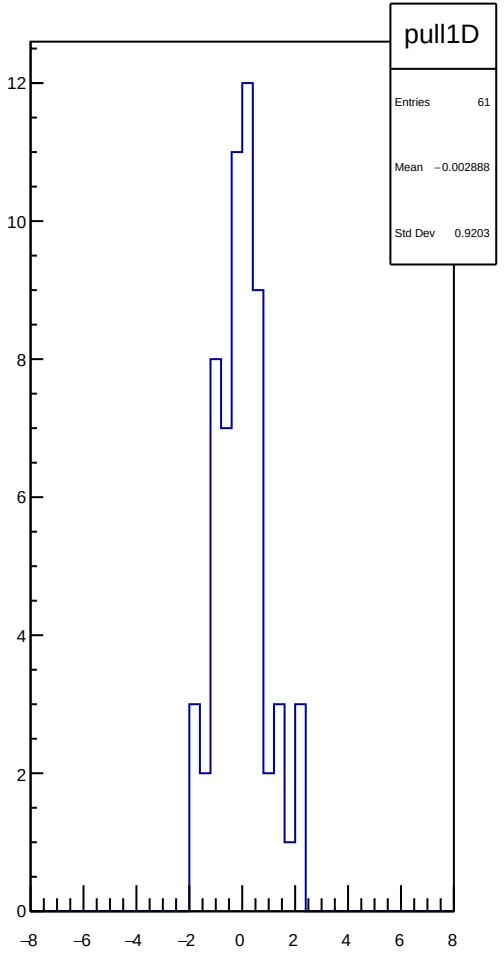

cor_asym_sam_26_dd_rms vs run
χ² / ndf 505.6 / 60
p0 203.5 ± 0.1863
220
215
210
205
200
195
190

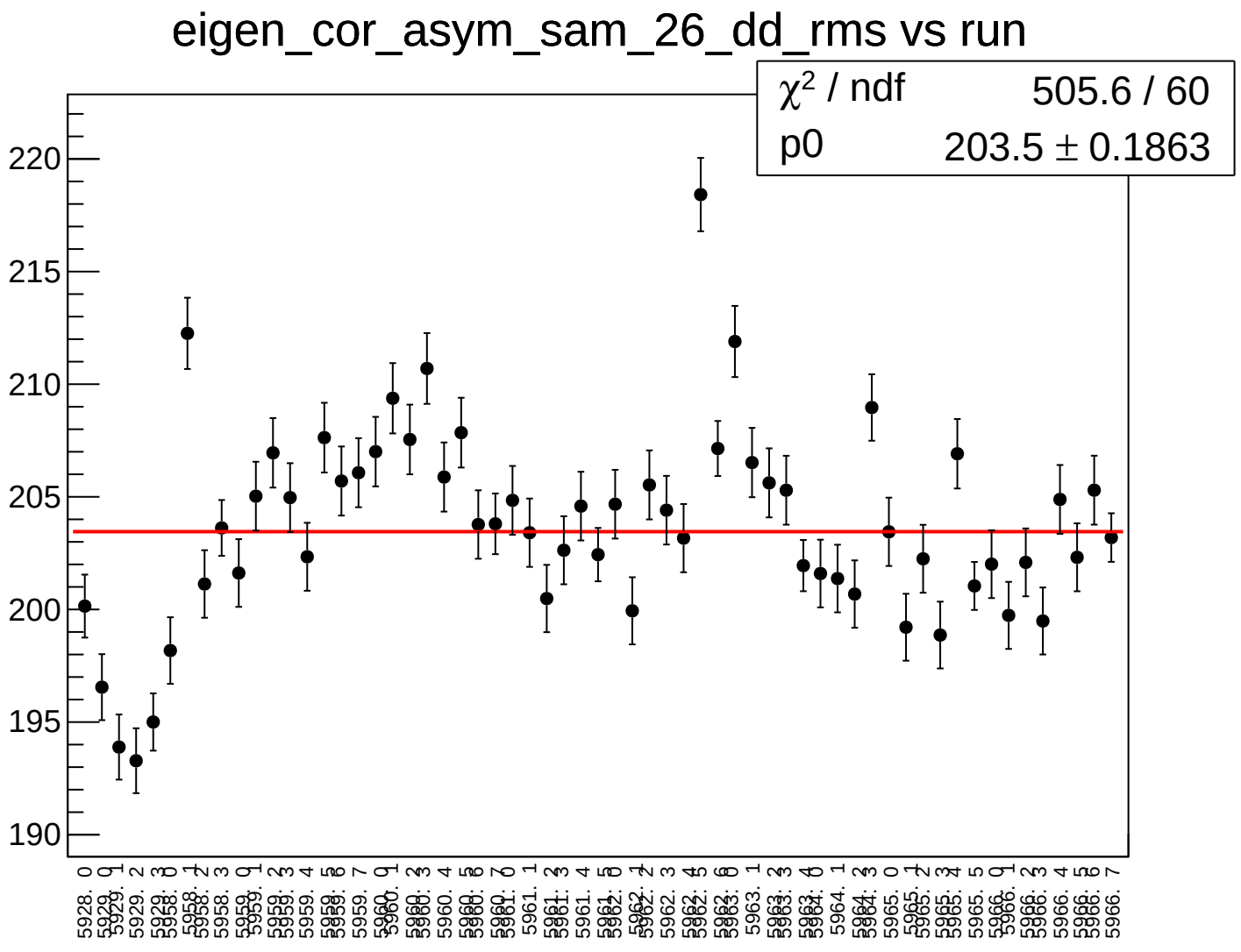

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 67.12 / 60
p0 −3686 ± 3728
100
50
0
−50
−100
pull
Entries 61
Mean 260
Std Dev 0
2
1
0
−1
−2

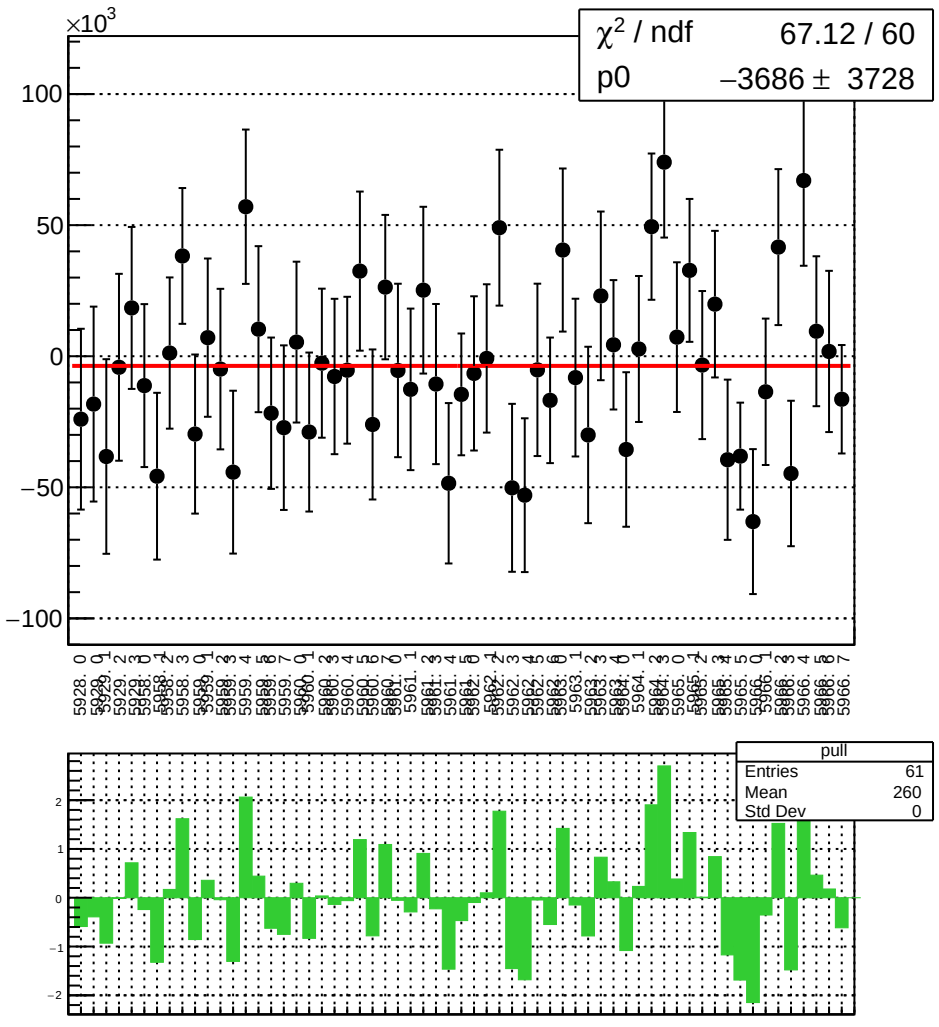

pull1D
Entries 61
Mean 0.006787
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

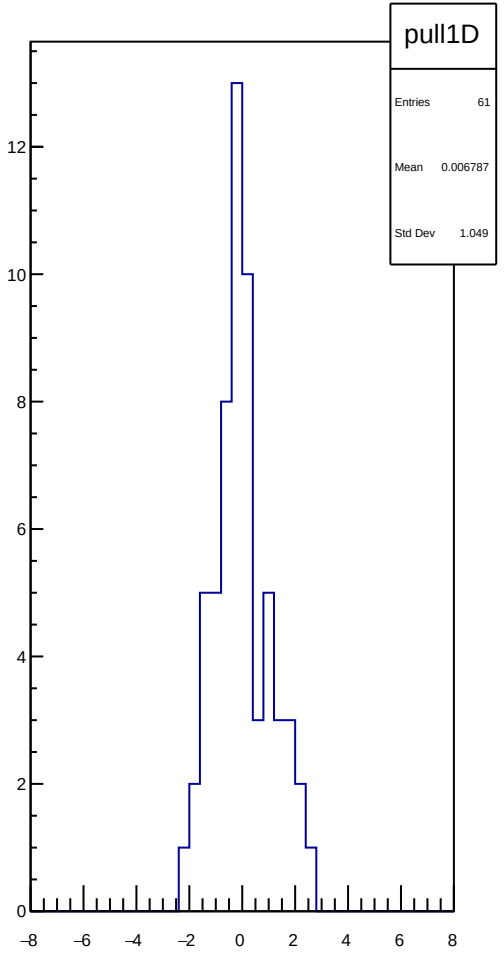

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 5799 / 60
p0 2872 ± 2.636
3600
3400
3200
3000
2800
2600

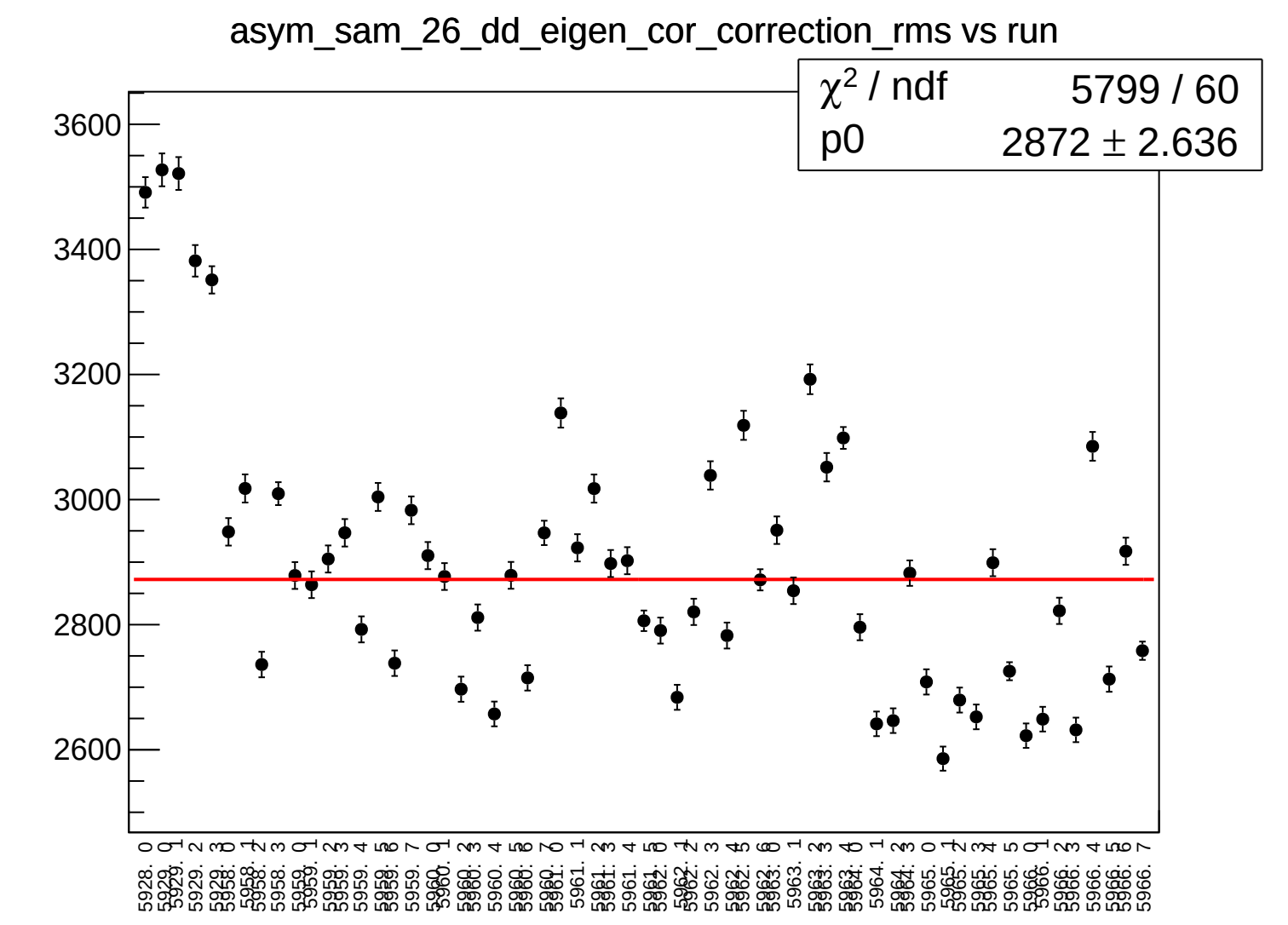

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 51.66 / 60
p0 −336 ± 263.5
pull
Entries 61
Mean −485.3
Std Dev 0

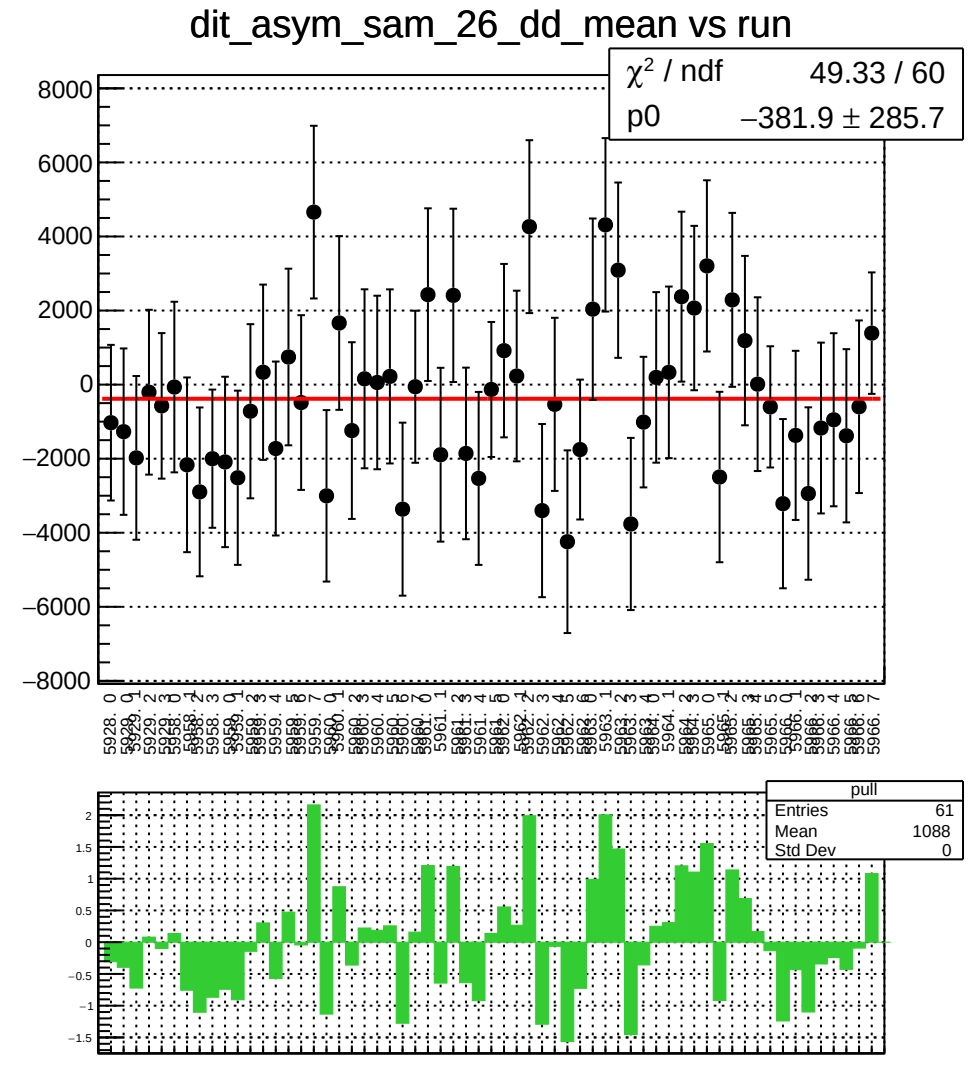

pull1D
Entries 61
Mean −0.002888
Std Dev 0.9203

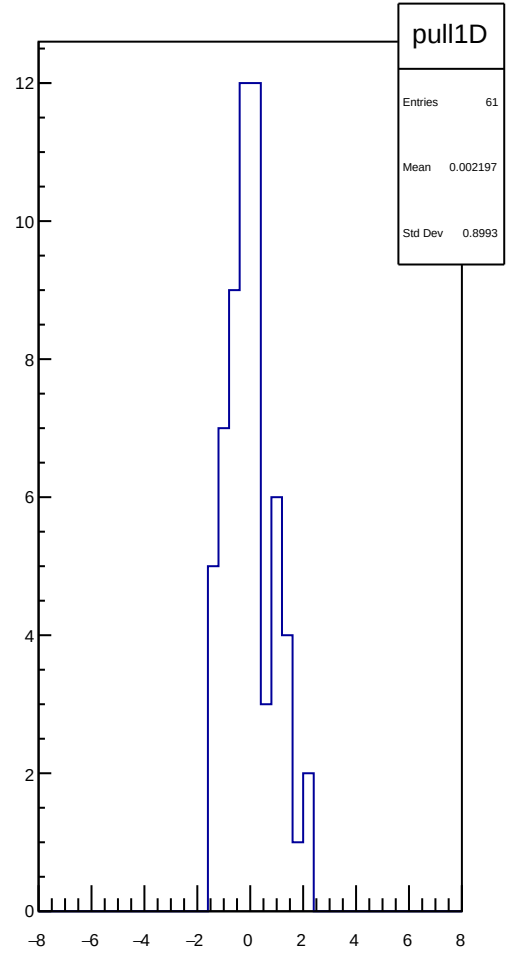

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 505.6 / 60
p0 203.5 ± 0.1863
220
215
210
205
200
195
190

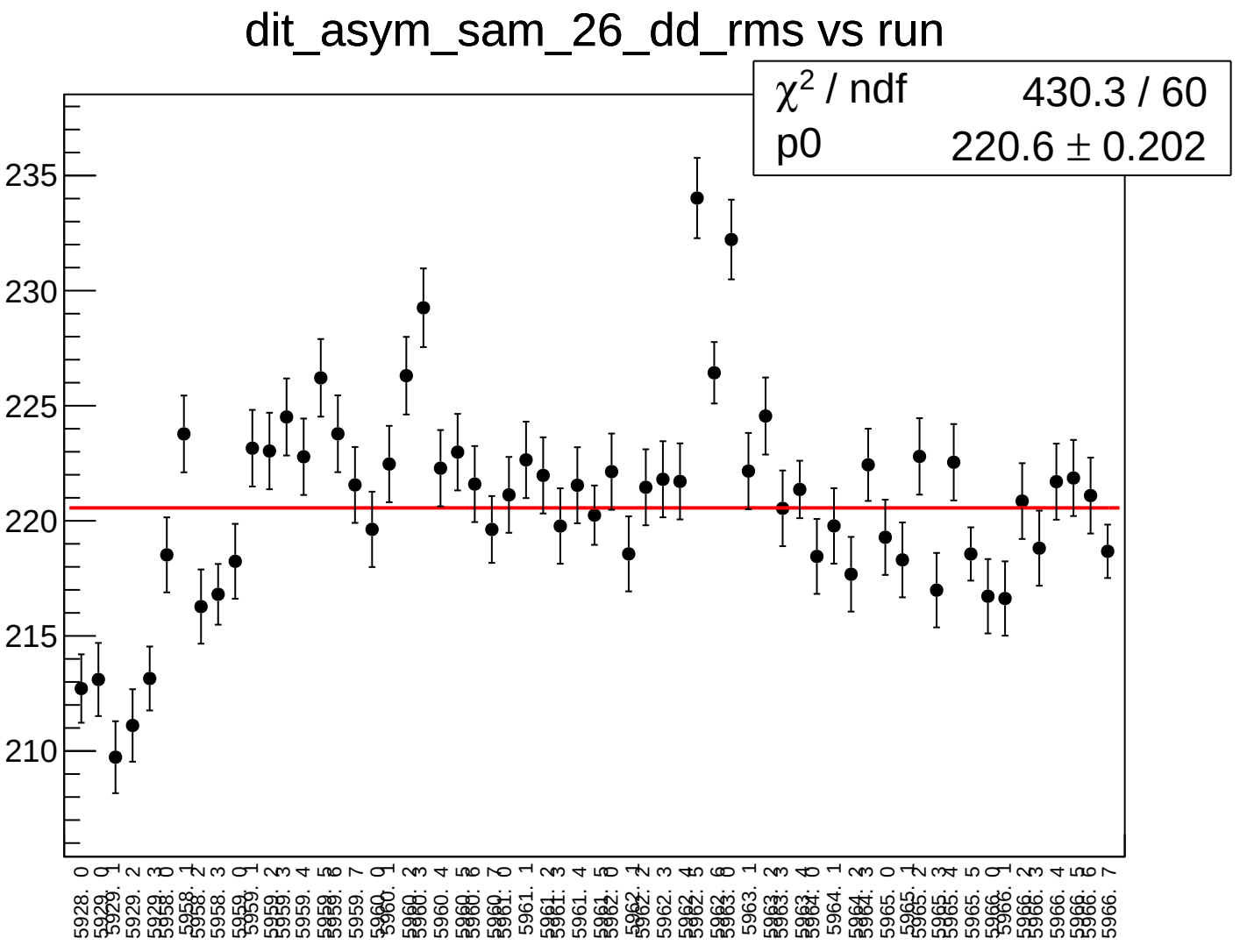

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 67.12 / 60
p0 −3686 ± 3728
100
50
0
−50
−100
pull
Entries 61
Mean 260
Std Dev 0
2
1
0
−1
−2

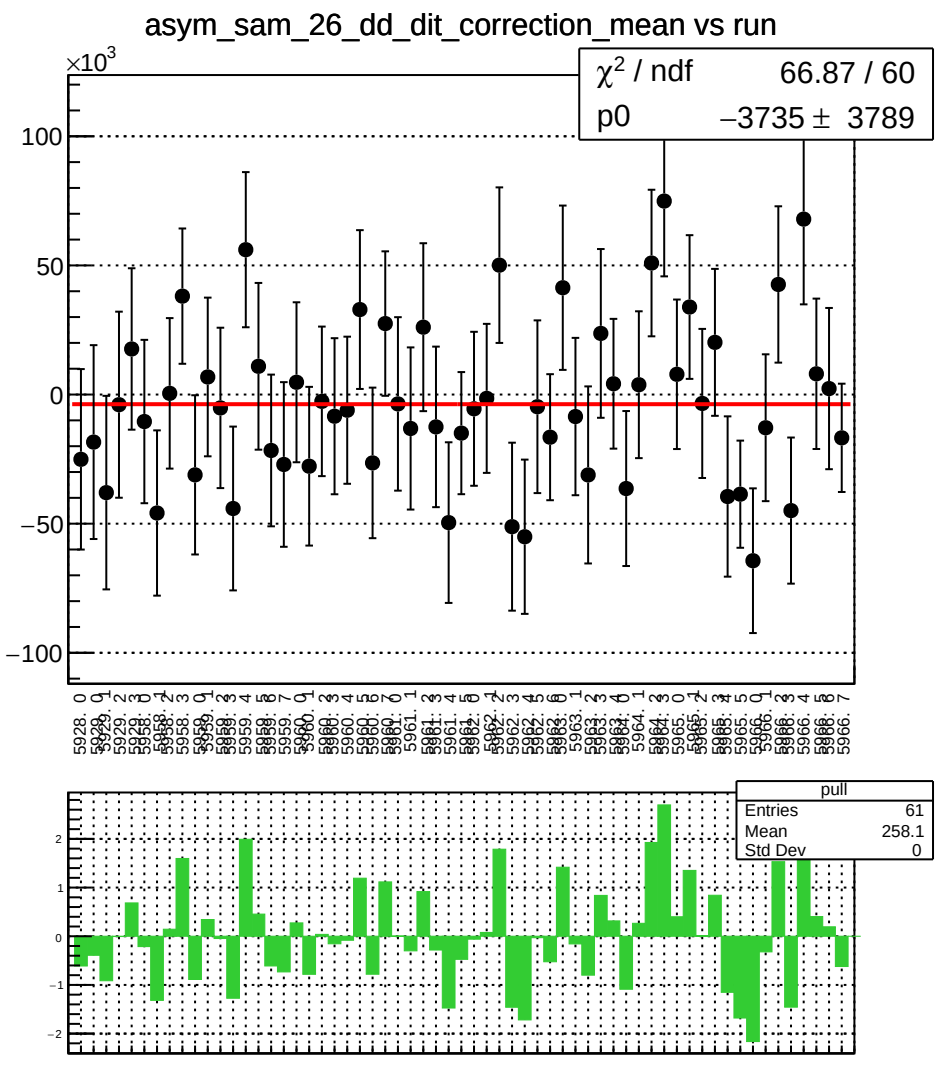

pull1D
Entries 61
Mean 0.006787
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

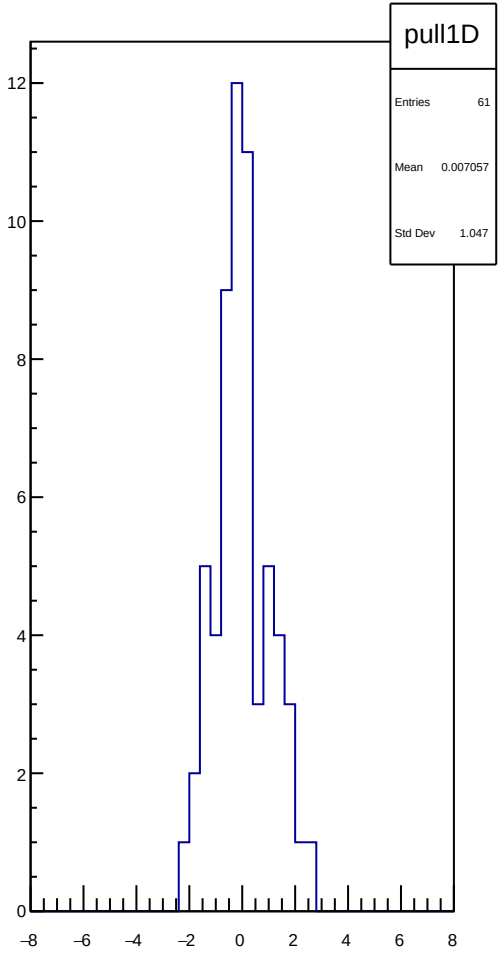

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 5799 / 60
p0 2872 ± 2.636
3600
3400
3200
3000
2800
2600

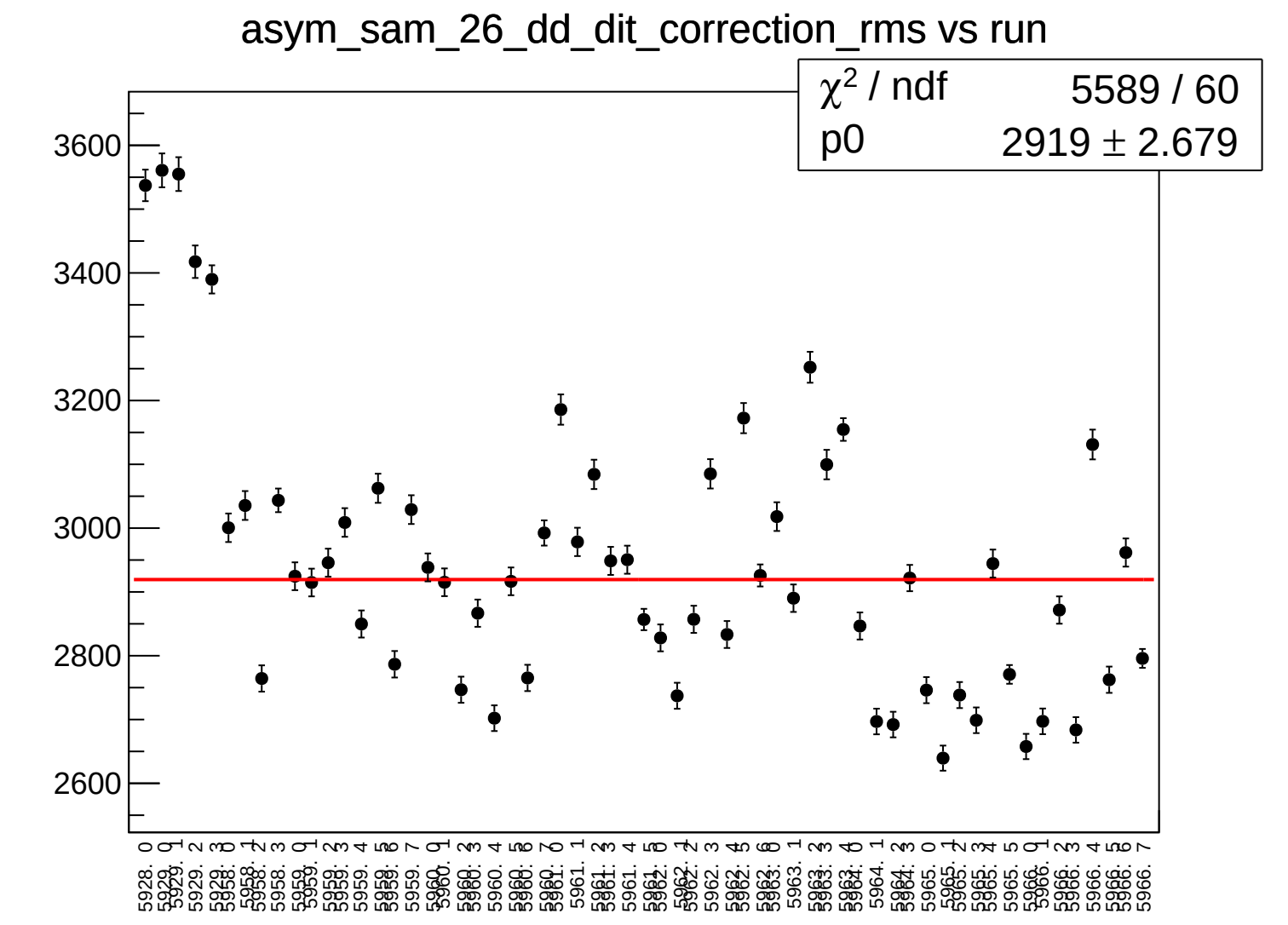

dit_asym_sam_26_dd_mean vs run
χ² / ndf 49.33 / 60
p0 −381.9 ± 285.7
pull
Entries 61
Mean 1088
Std Dev 0

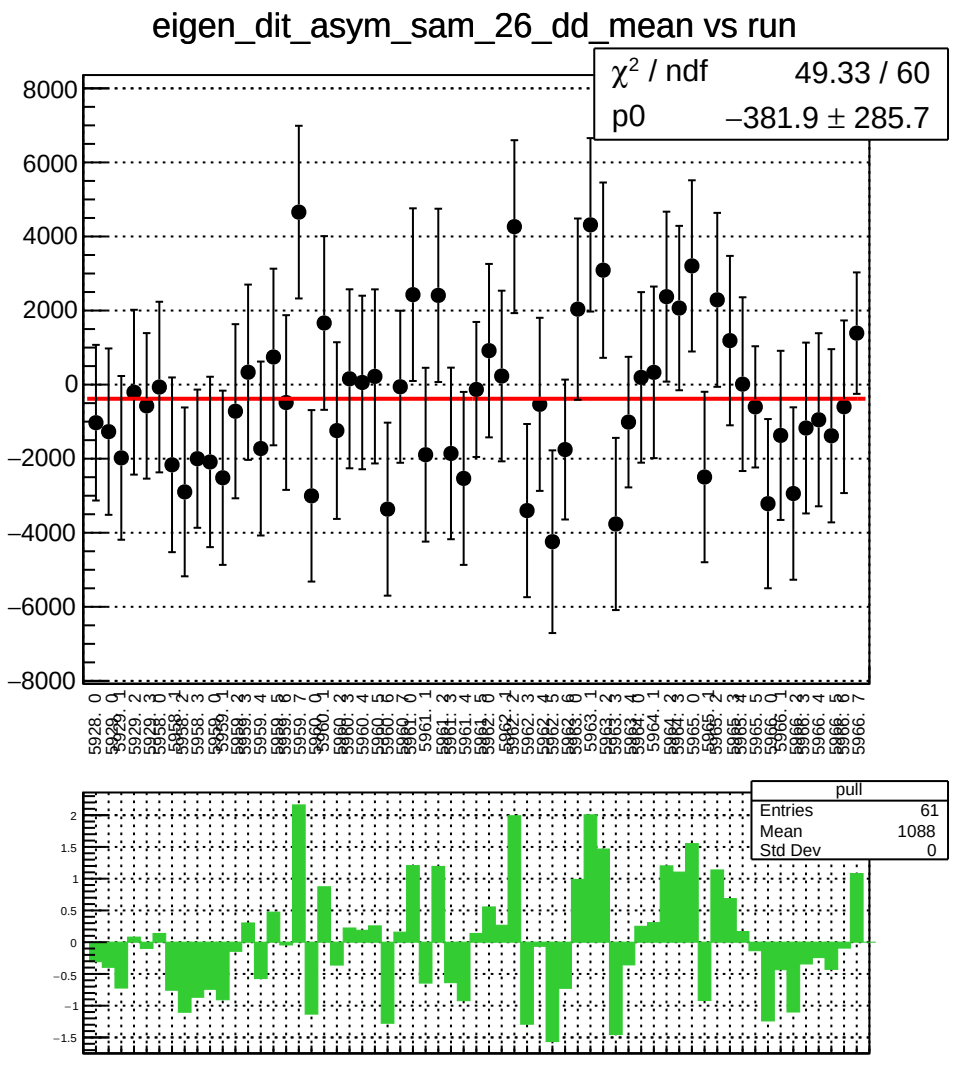

pull1D
Entries 61
Mean 0.002197
Std Dev 0.8993

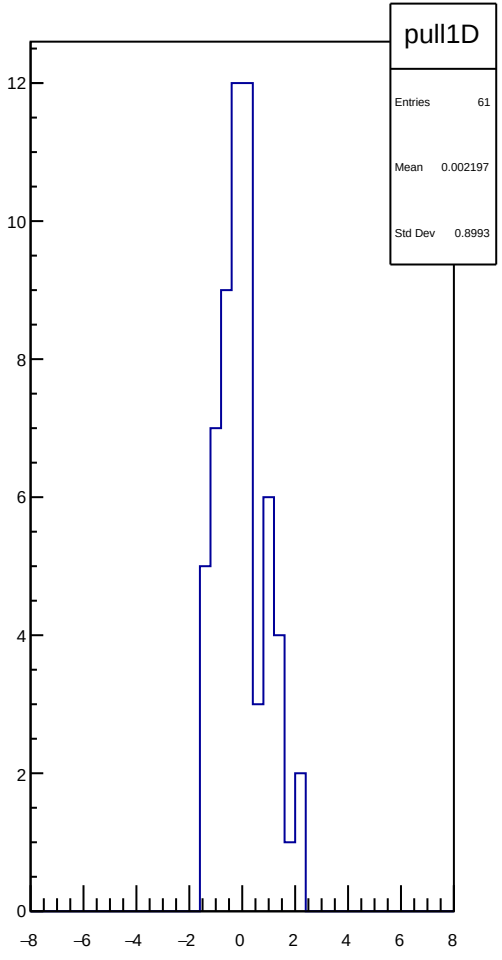

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 430.3 / 60
p0 220.6 ± 0.202
235
230
225
220
215
210

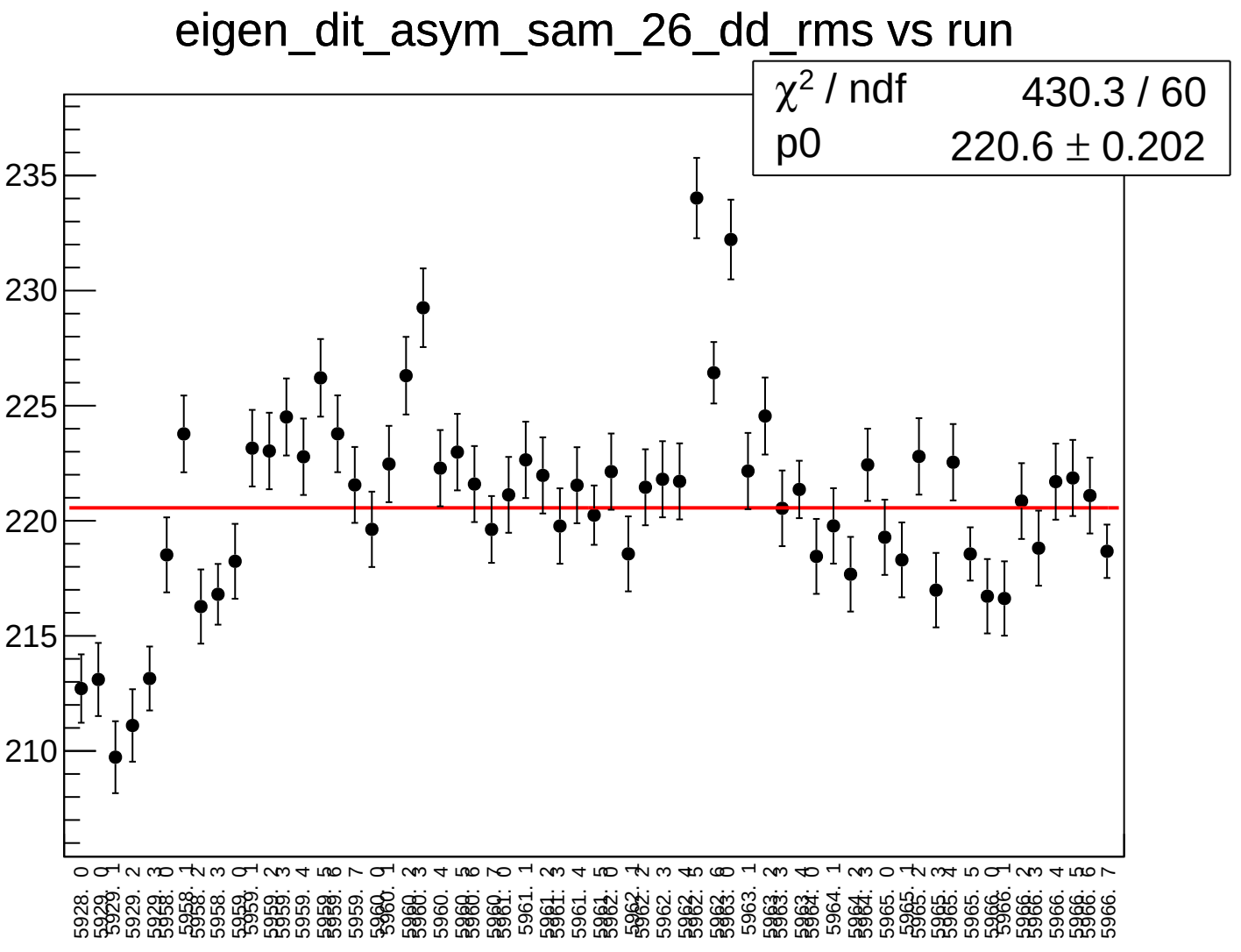

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 66.87 / 60
p0 −3735 ± 3789
100
50
0
−50
−100
pull
Entries 61
Mean 258.1
Std Dev 0
2
1
0
−1
−2

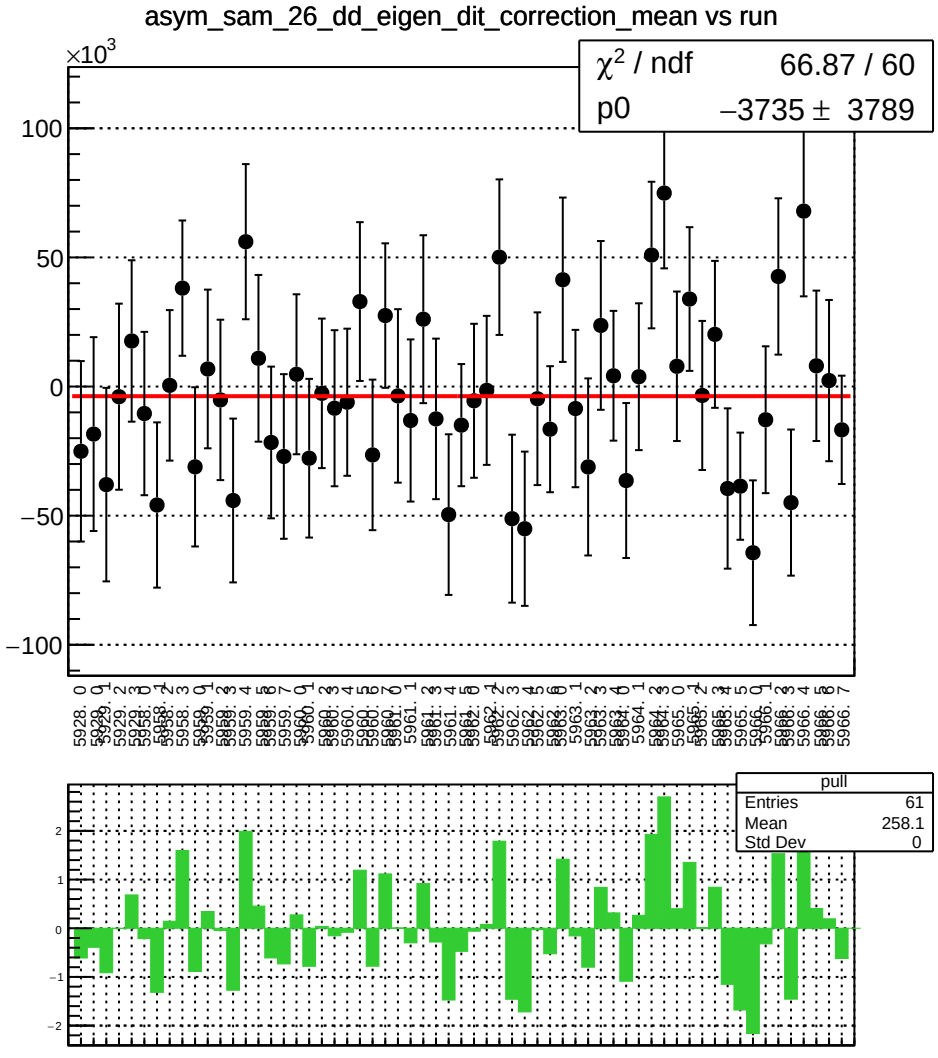

pull1D
Entries 61
Mean 0.007057
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

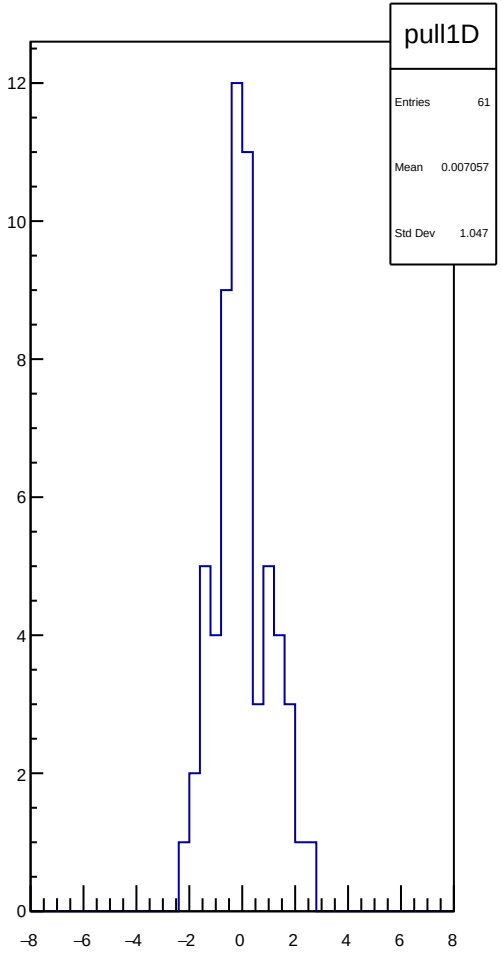

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 5589 / 60
p0 2919 ± 2.679
3600
3400
3200
3000
2800
2600

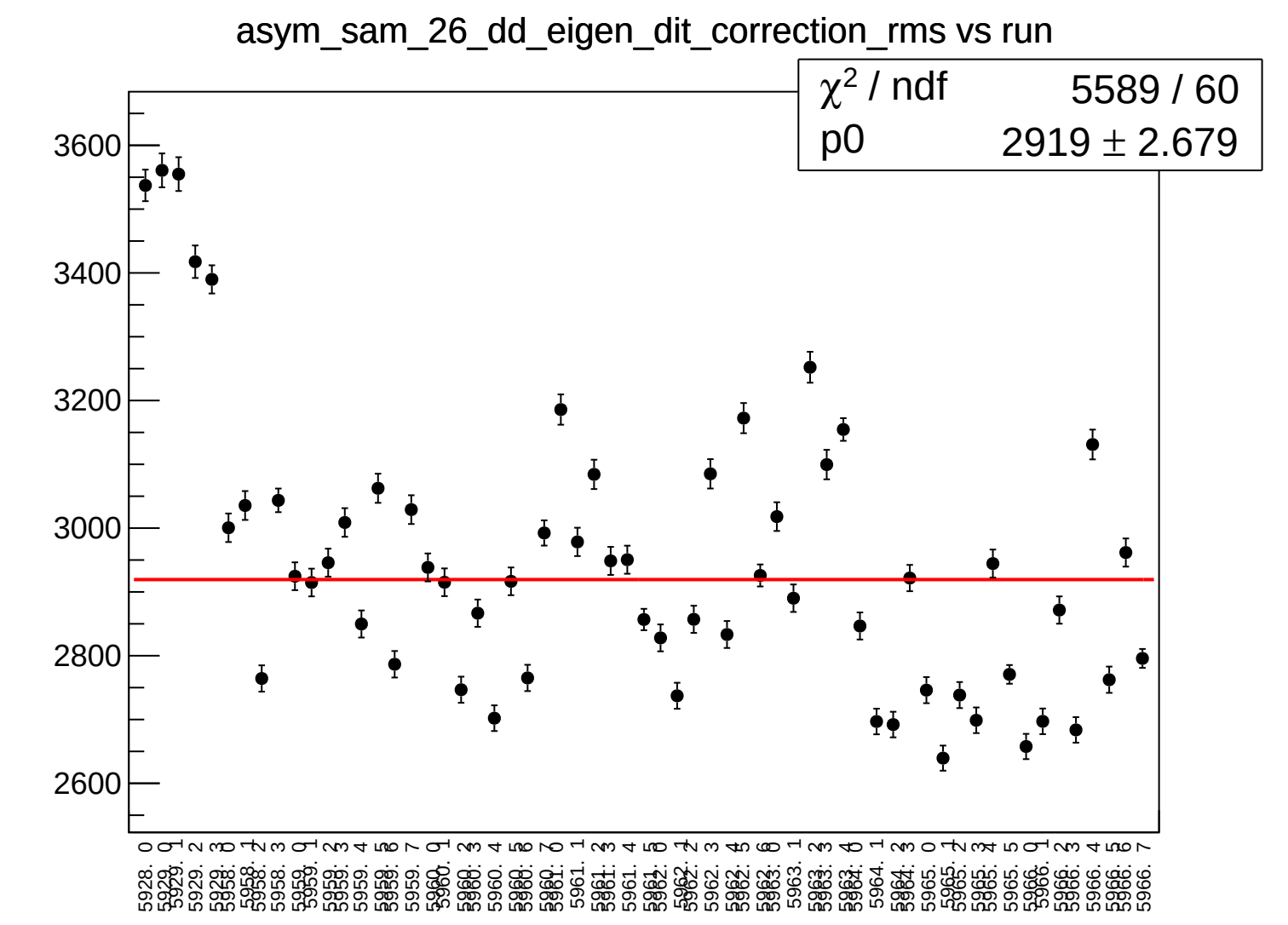

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 49.33 / 60
p0 −381.9 ± 285.7
pull
Entries 61
Mean 1088
Std Dev 0

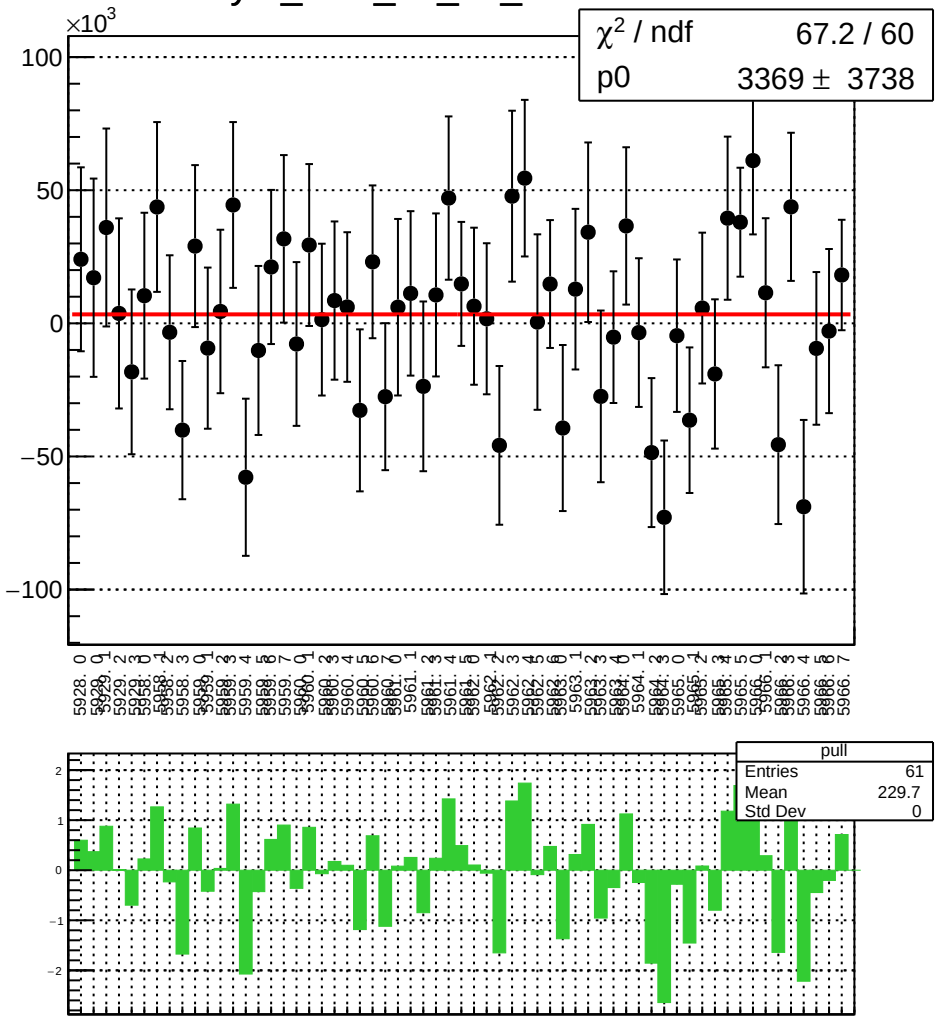

pull1D
Entries 61
Mean 0.002197
Std Dev 0.8993

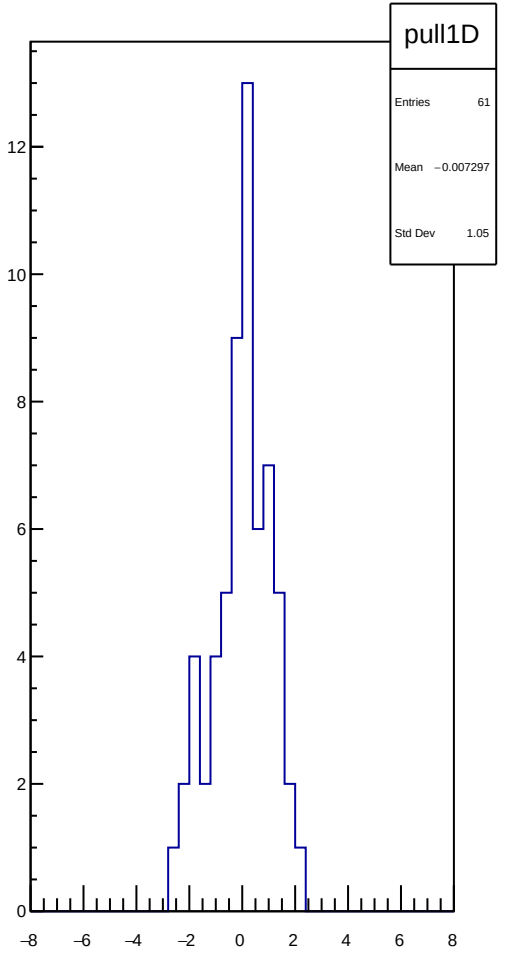

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 430.3 / 60
p0 220.6 ± 0.202
235
230
225
220
215
210

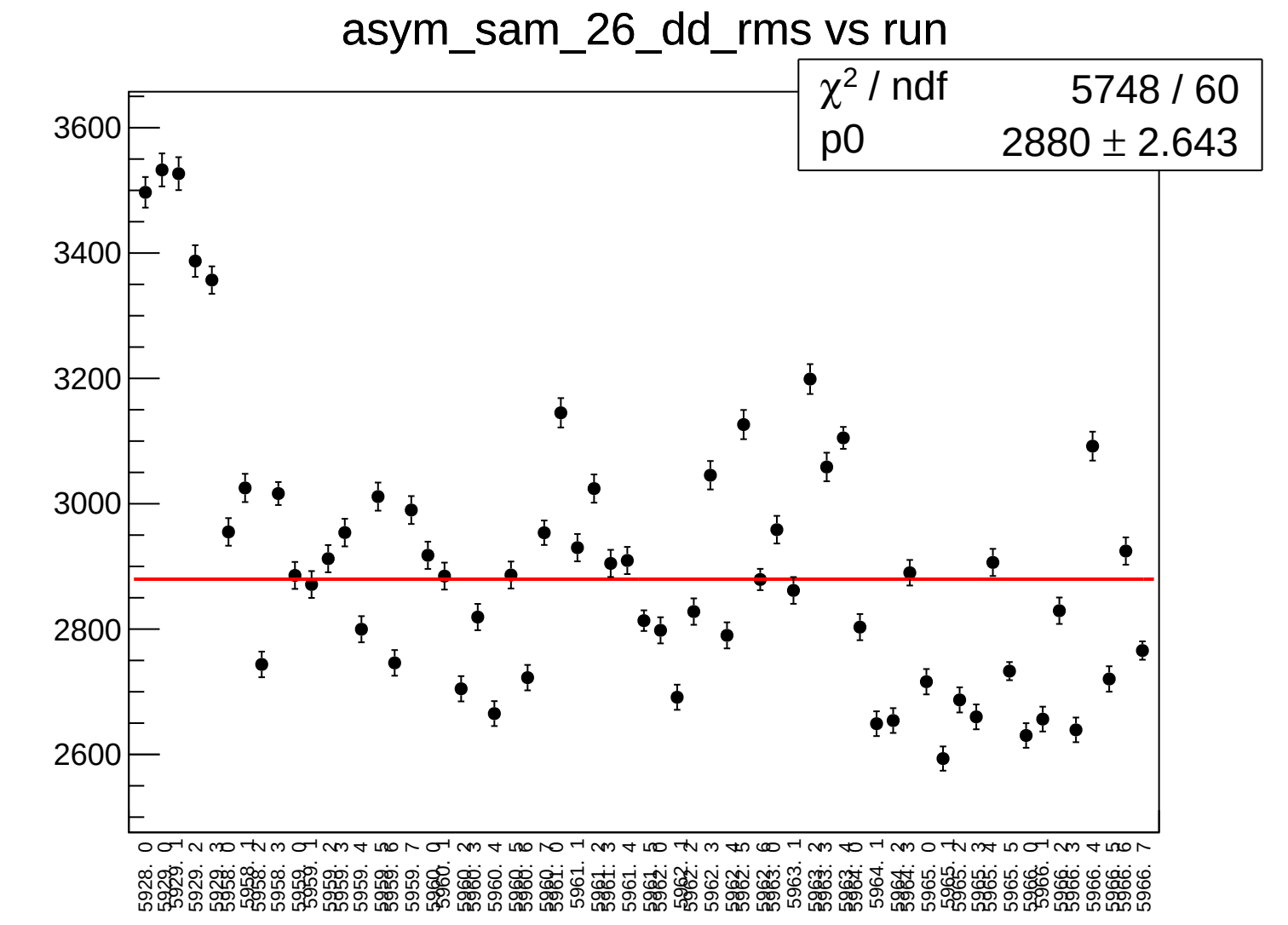

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 66.87 / 60
p0 −3735 ± 3789
100
50
0
−50
−100
pull
Entries 61
Mean 258.1
Std Dev 0
2
1
0
−1
−2

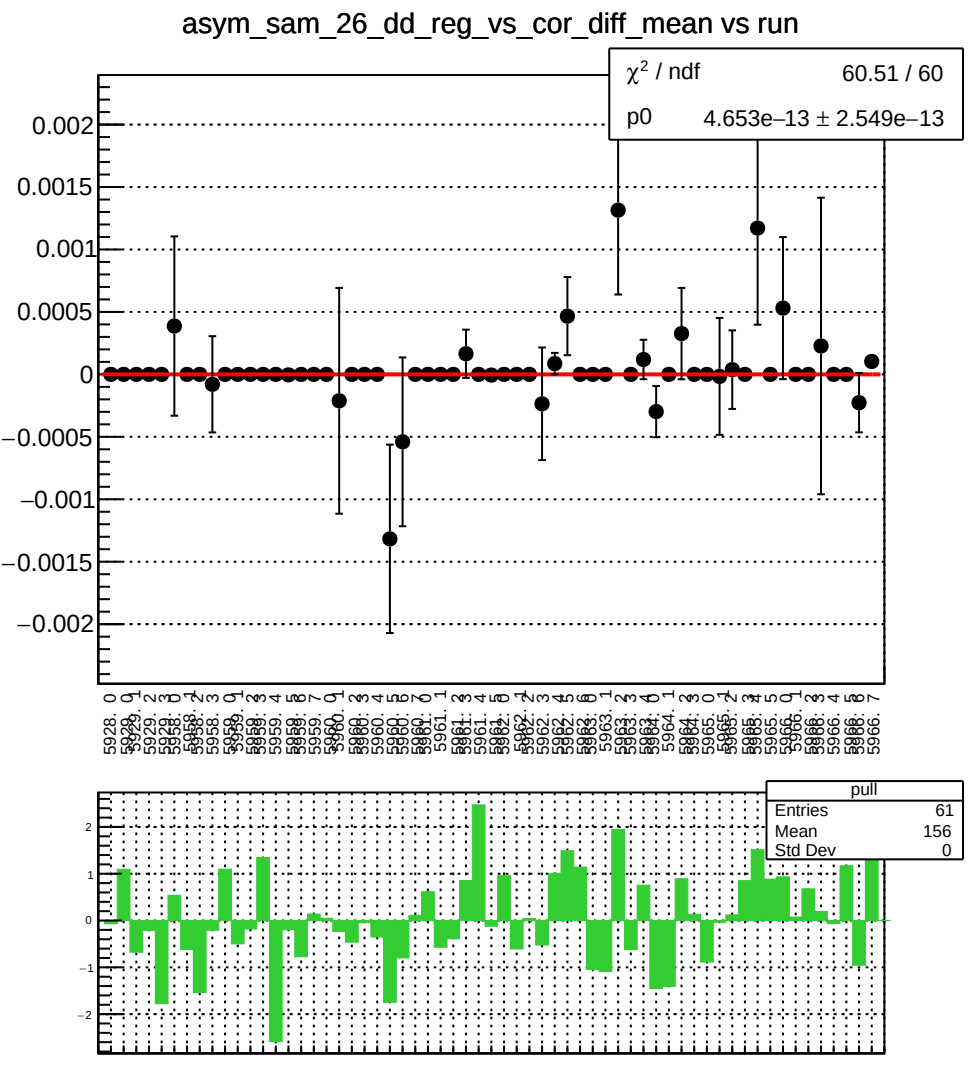

pull1D
Entries 61
Mean 0.007057
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

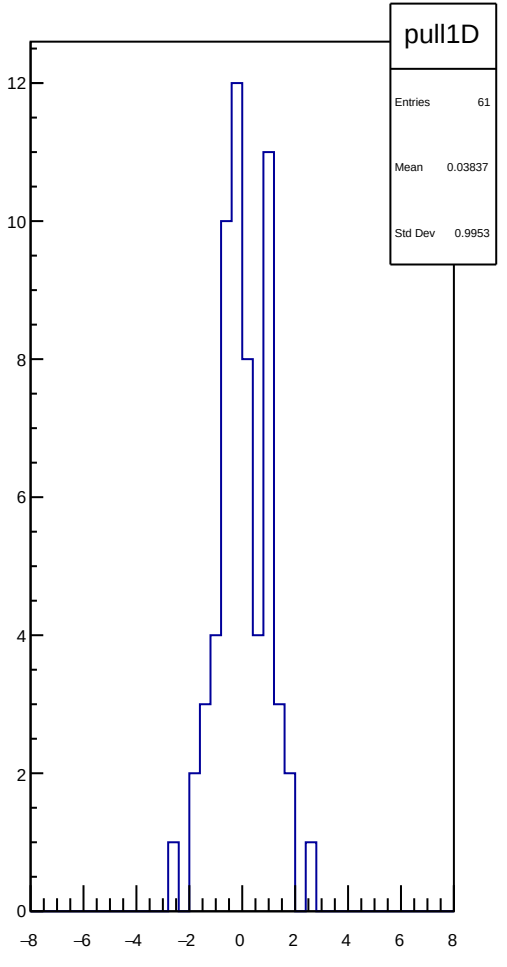

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 5589 / 60
p0 2919 ± 2.679
3600
3400
3200
3000
2800
2600

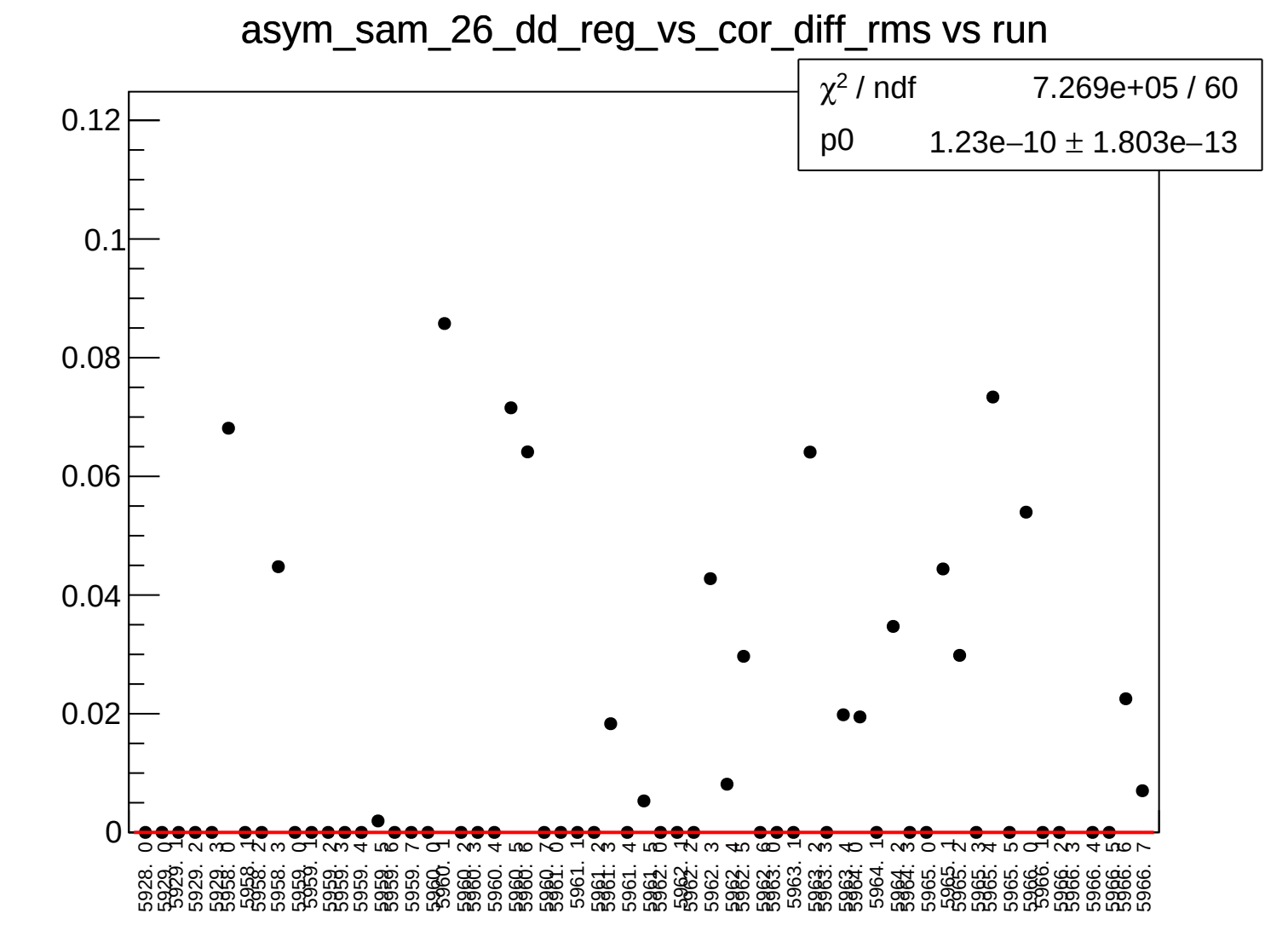

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 67.2 / 60
p0 3369 ± 3738
100
50
0
−50
−100
pull
Entries 61
Mean 229.7
Std Dev 0
2
1
0
−1
−2

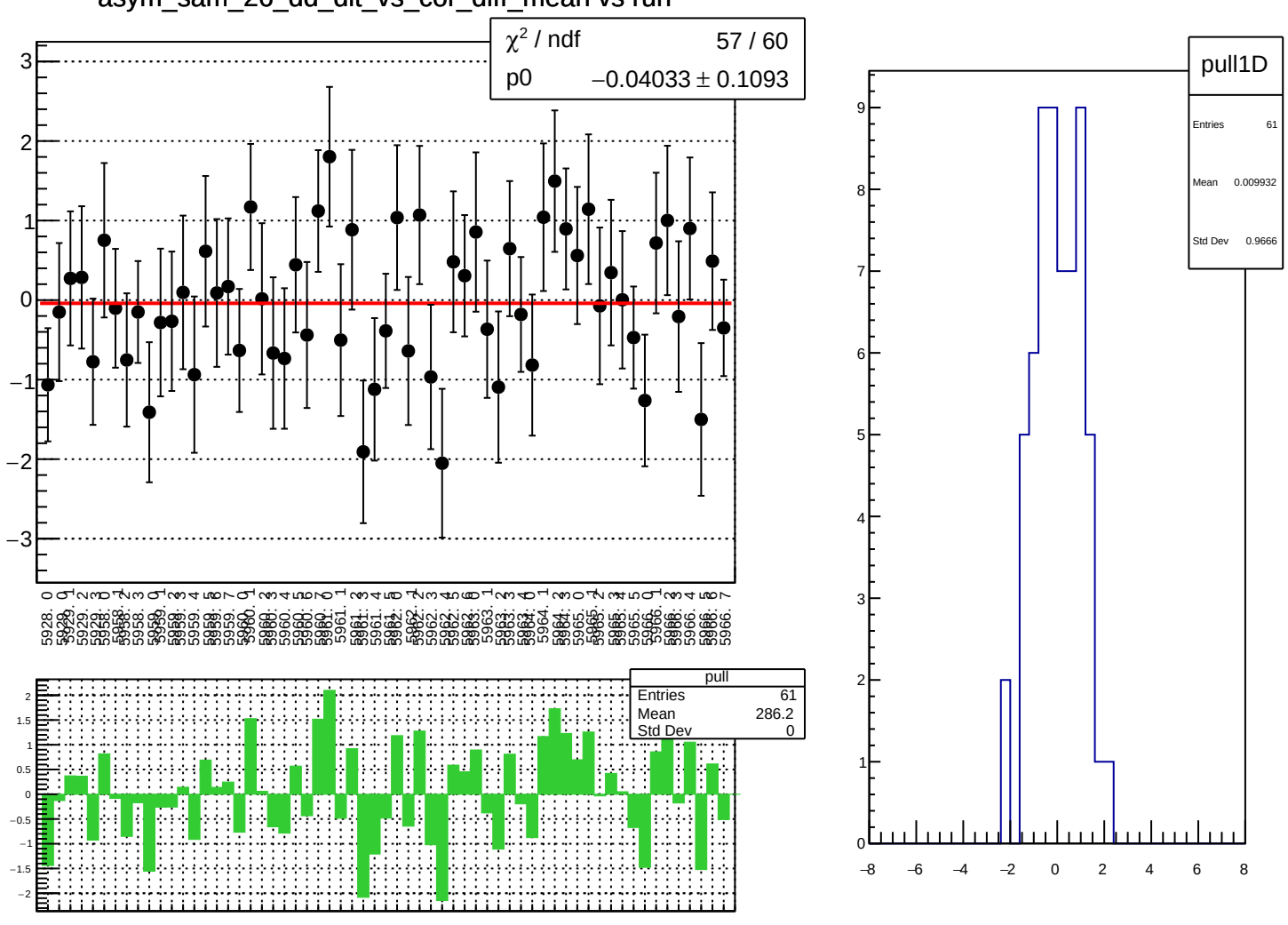

pull1D
Entries 61
Mean −0.007297
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

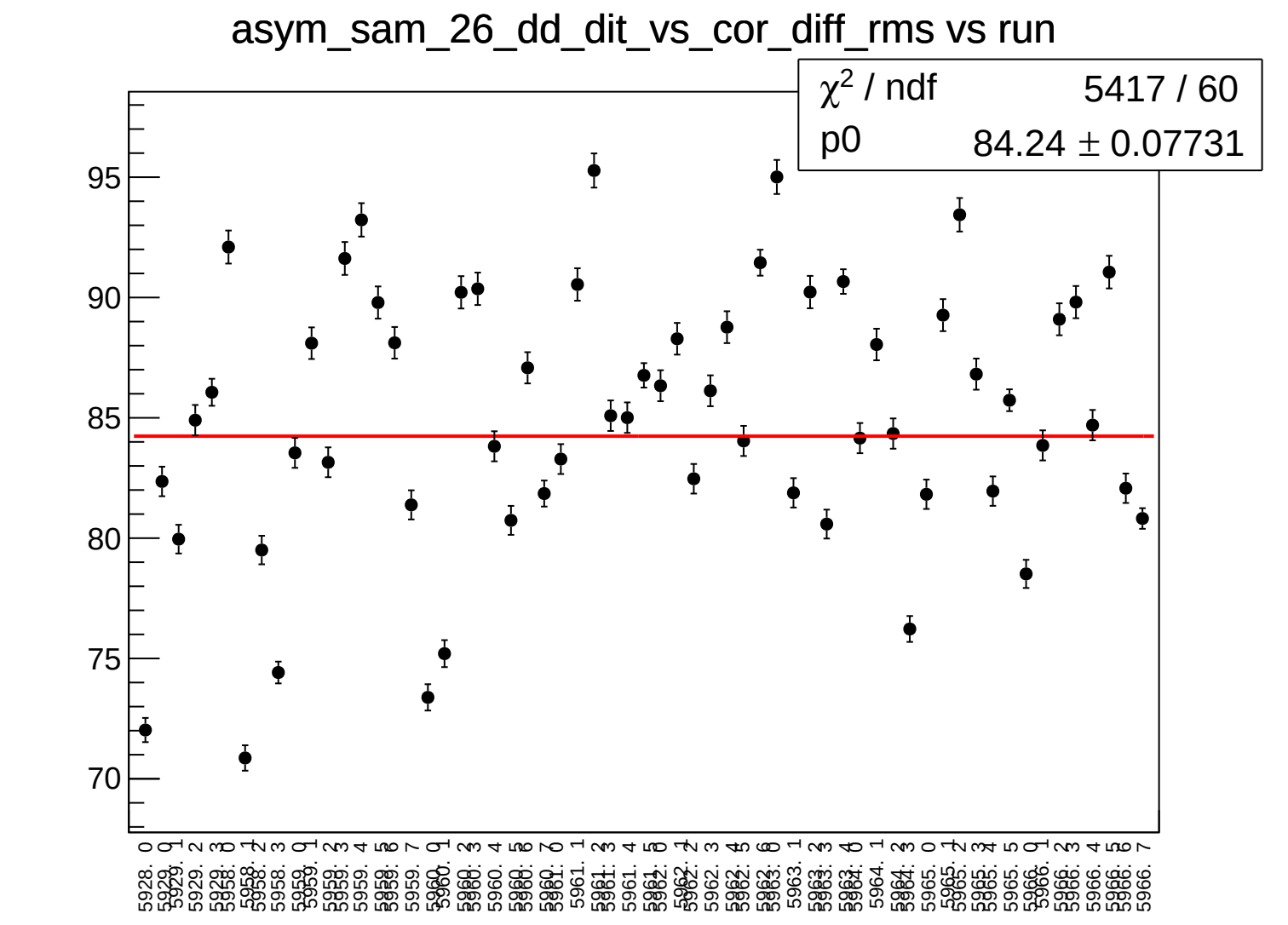

asym_sam_26_dd_rms vs run
χ² / ndf 5748 / 60
p0 2880 ± 2.643
3600
3400
3200
3000
2800
2600

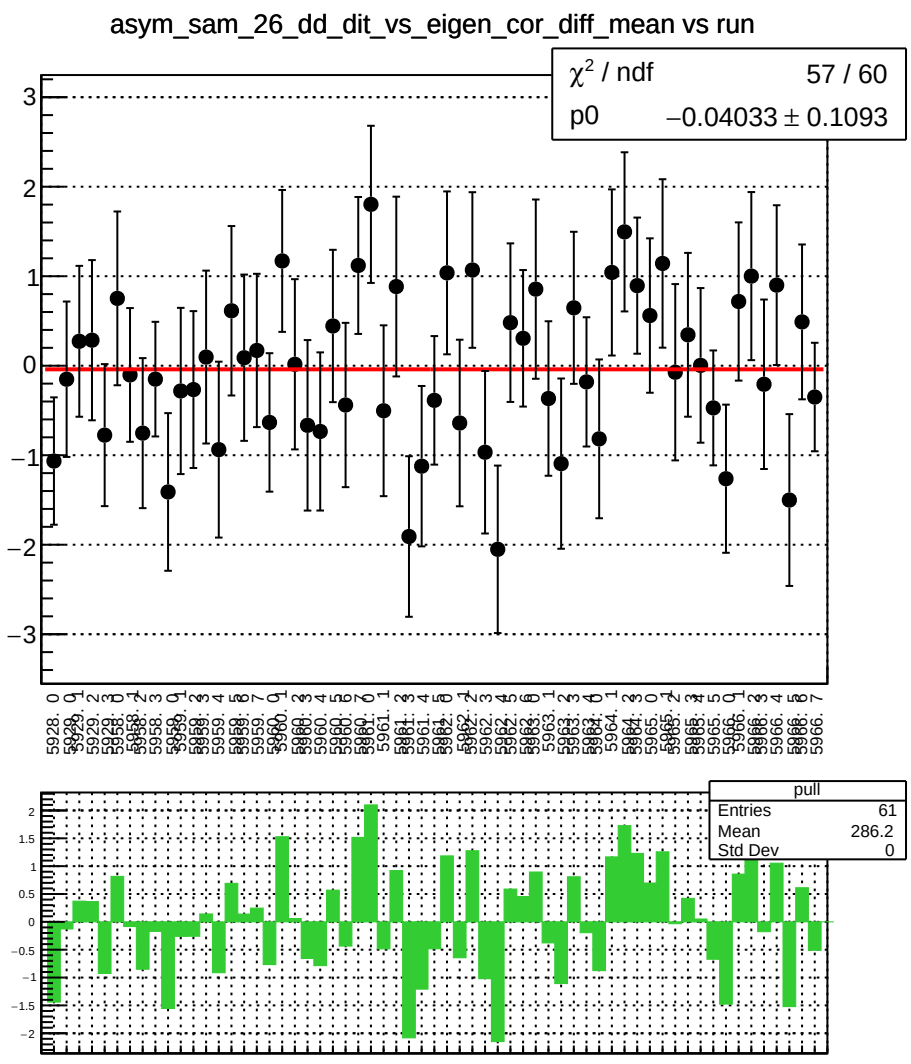

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.51 / 60
p0 4.653e−13 ± 2.549e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 61
Mean 156
Std Dev 0
2
1
0
−1
−2

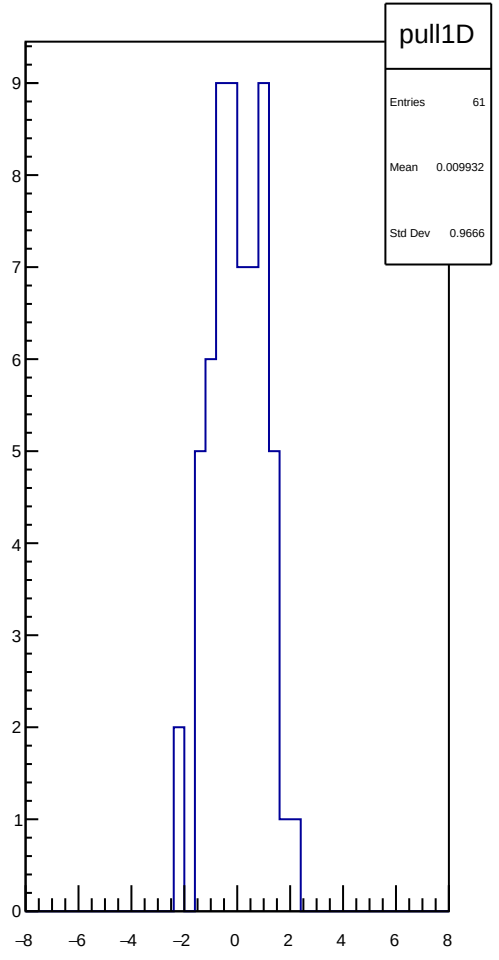

pull1D
Entries 61
Mean 0.03837
Std Dev 0.9953
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

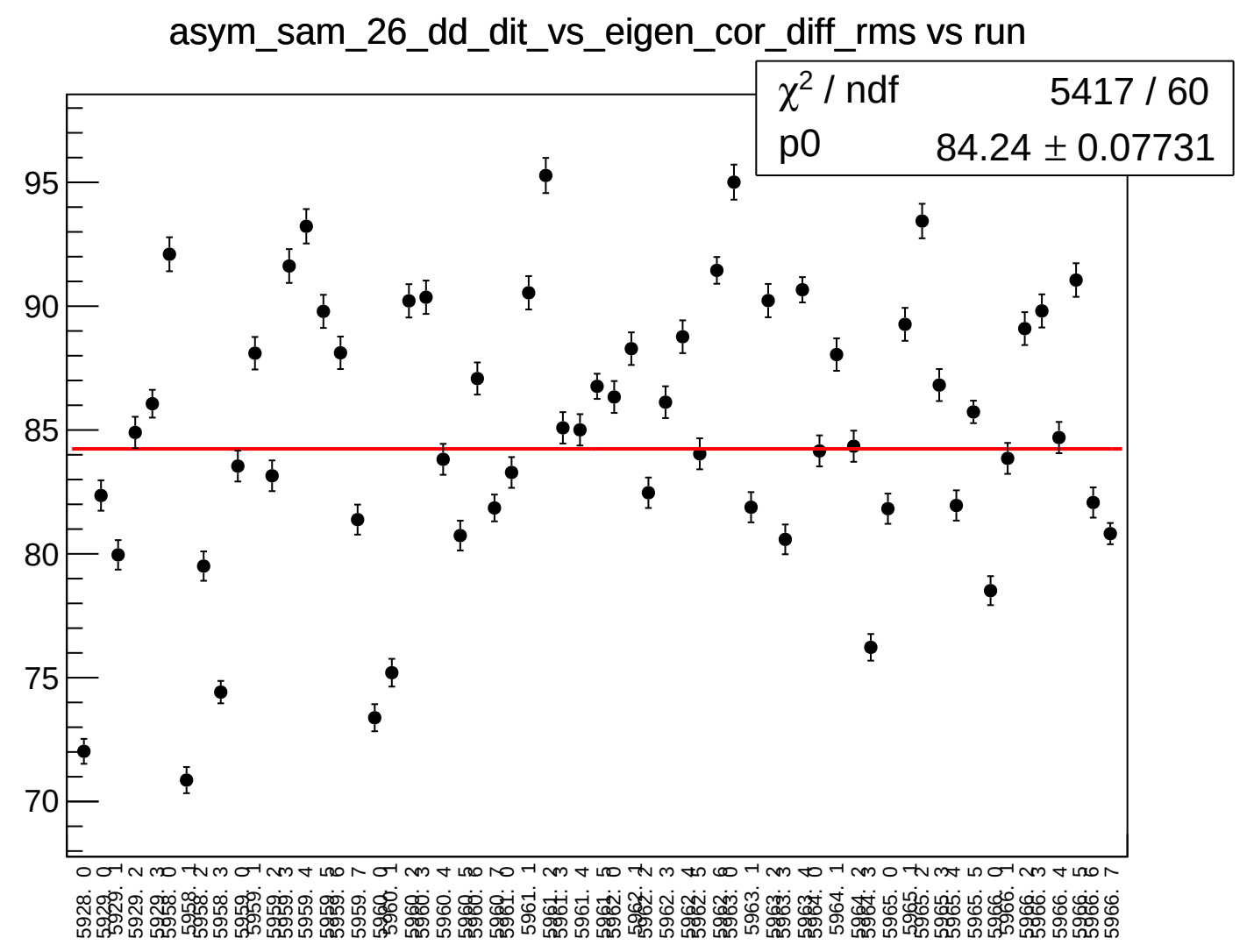

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.269e+05 / 60
p0 1.23e−10 ± 1.803e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

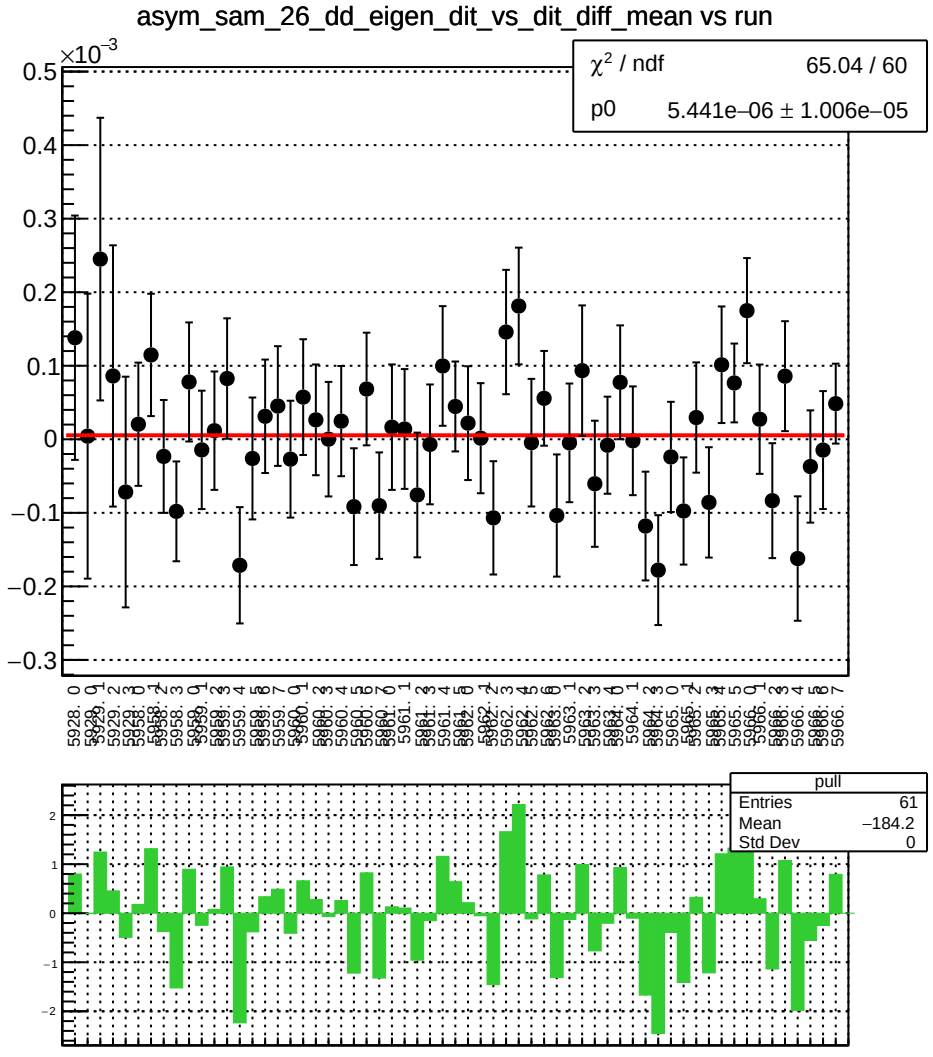

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57 / 60
p0 −0.04033 ± 0.1093
pull
Entries 61
Mean 286.2
Std Dev 0
pull1D
Entries 61
Mean 0.009932
Std Dev 0.9666

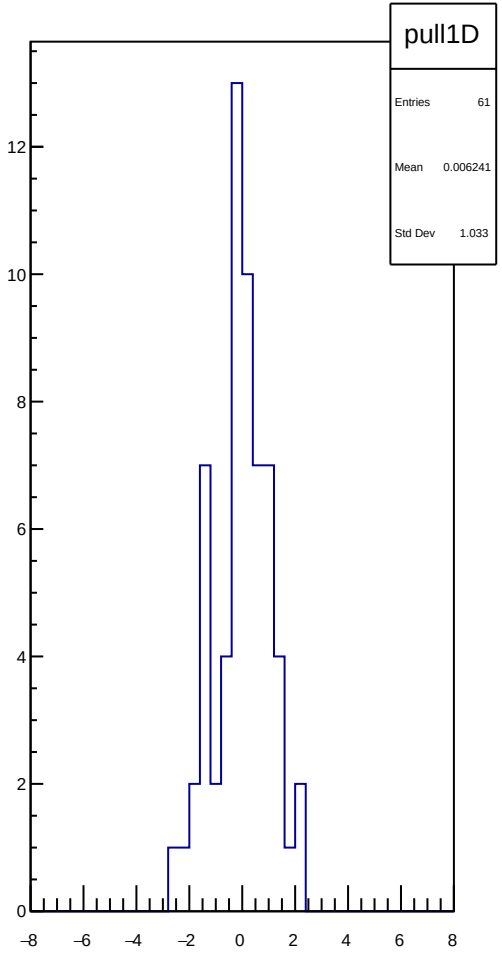

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5417 / 60
p0 84.24 ± 0.07731
95
90
85
80
75
70

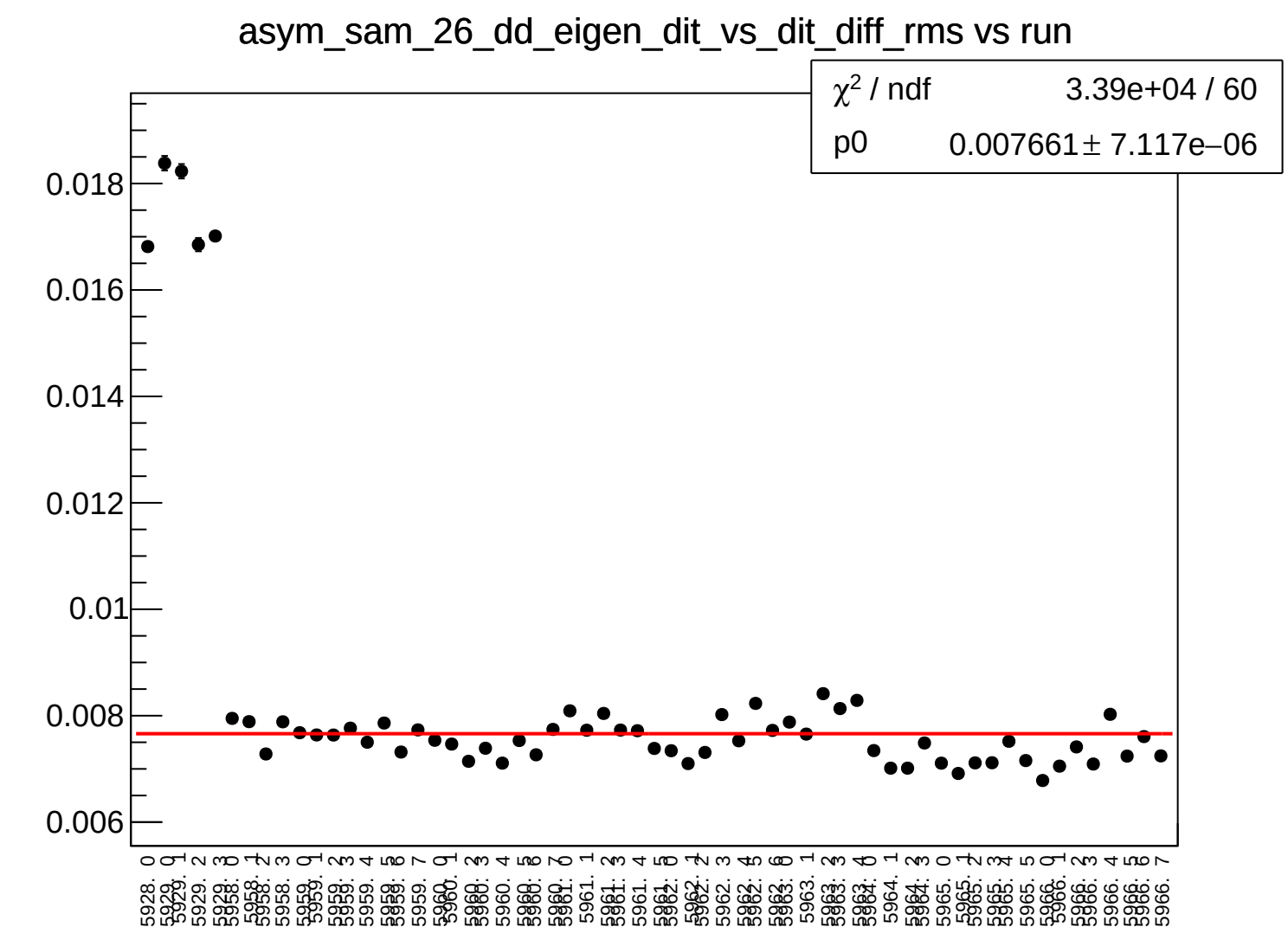

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57 / 60
p0 −0.04033 ± 0.1093
pull
Entries 61
Mean 286.2
Std Dev 0

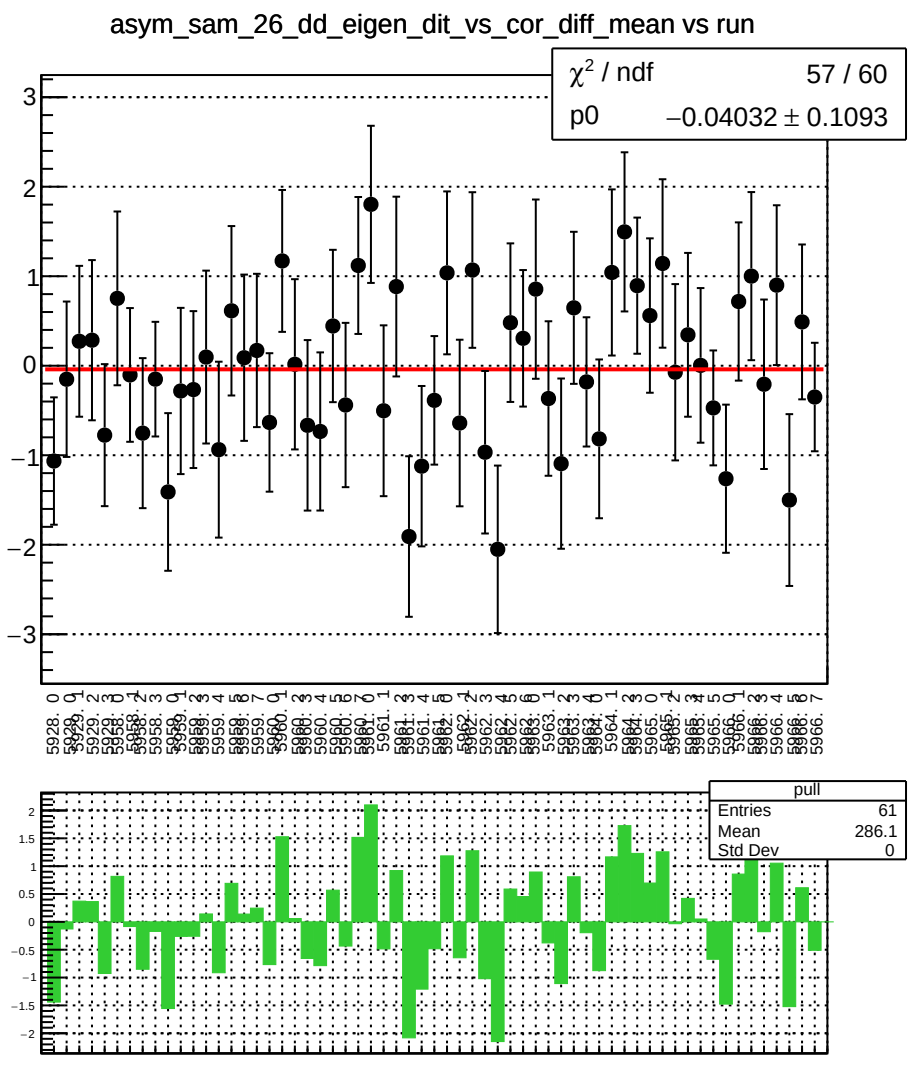

pull1D
Entries 61
Mean 0.009932
Std Dev 0.9666

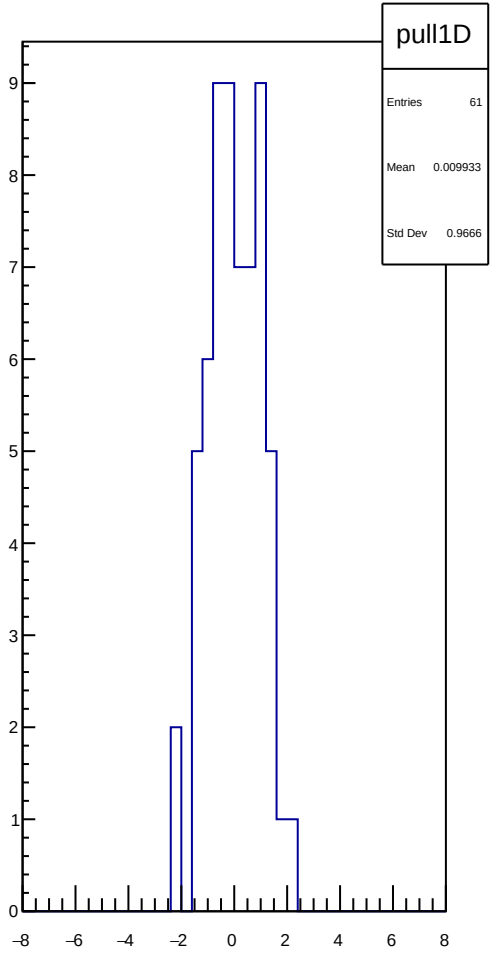

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5417 / 60
p0 84.24 ± 0.07731
95
90
85
80
75
70

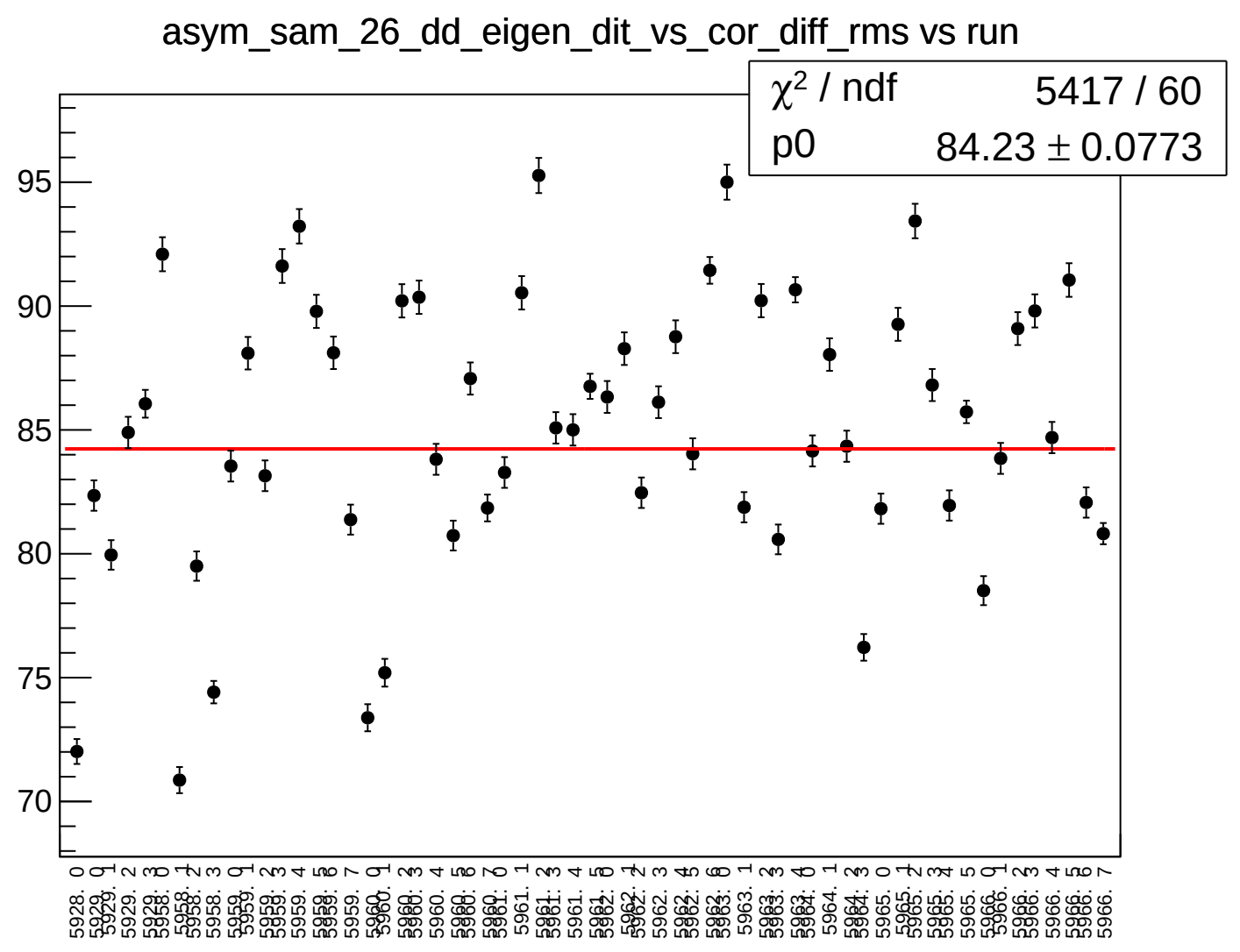

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.04 / 60
p0 5.441e−06 ± 1.006e−05
pull
Entries 61
Mean −184.2
Std Dev 0

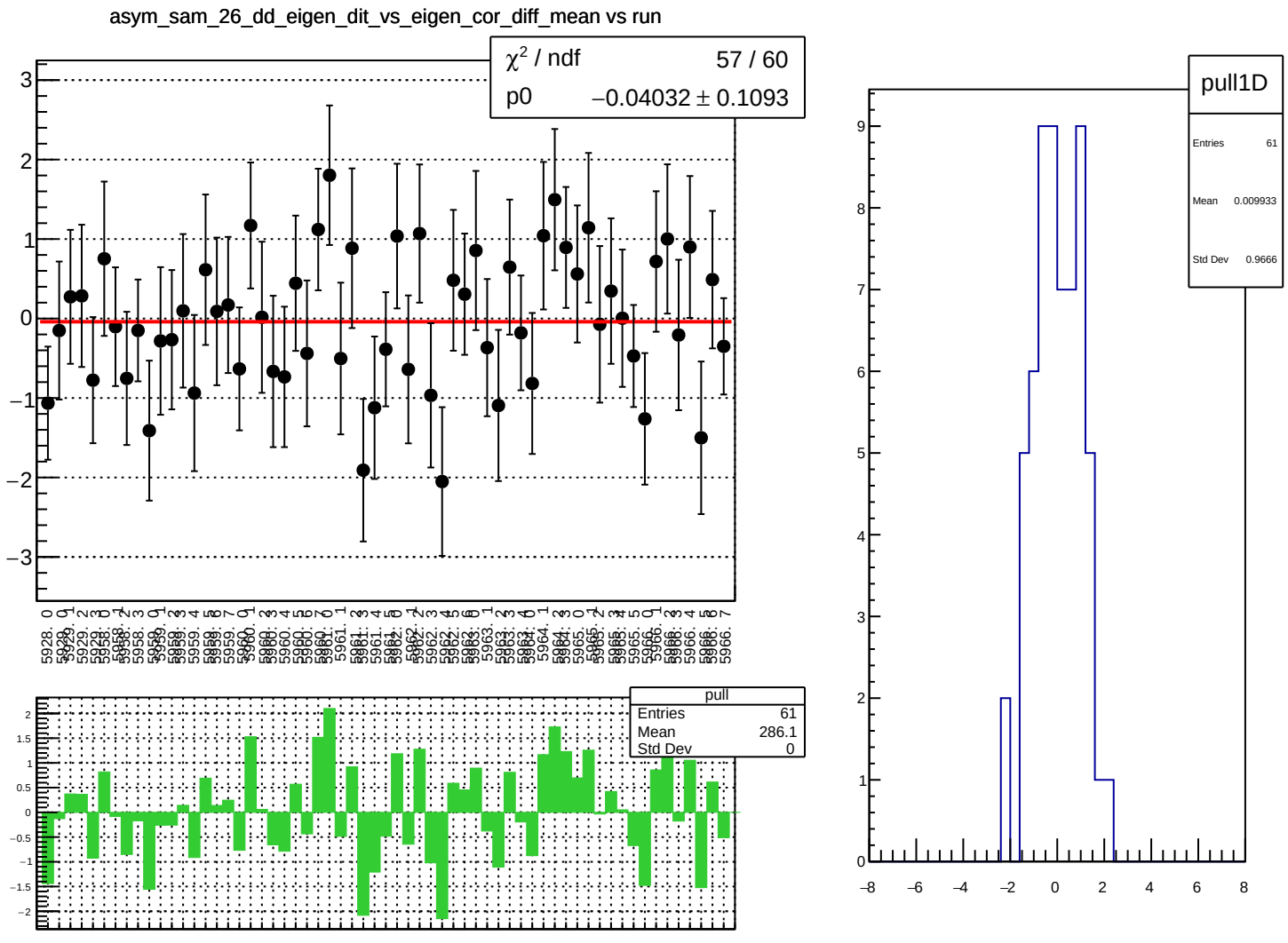

pull1D
Entries 61
Mean 0.006241
Std Dev 1.033

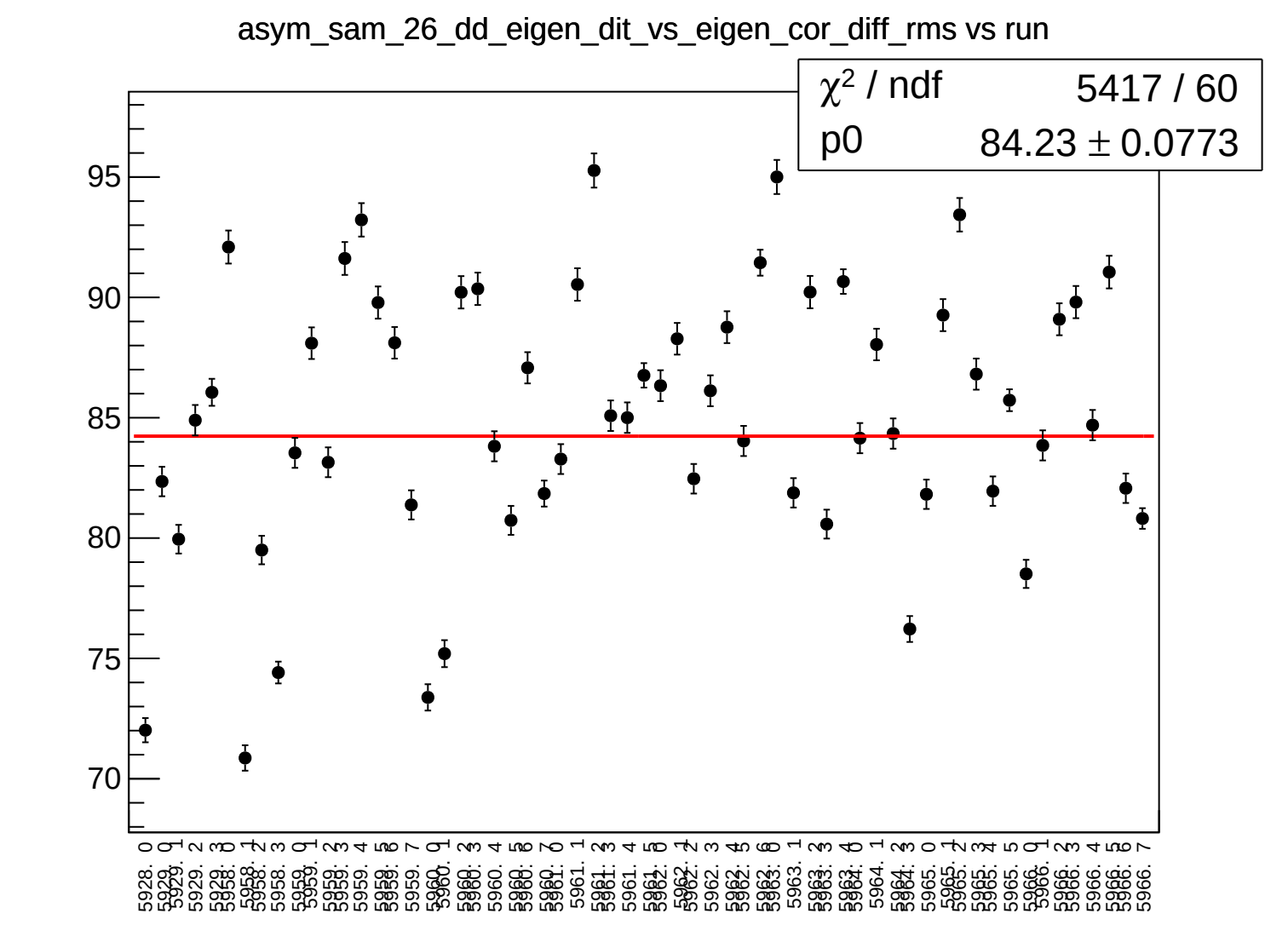

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.39e+04 / 60
p0 0.007661 ± 7.117e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

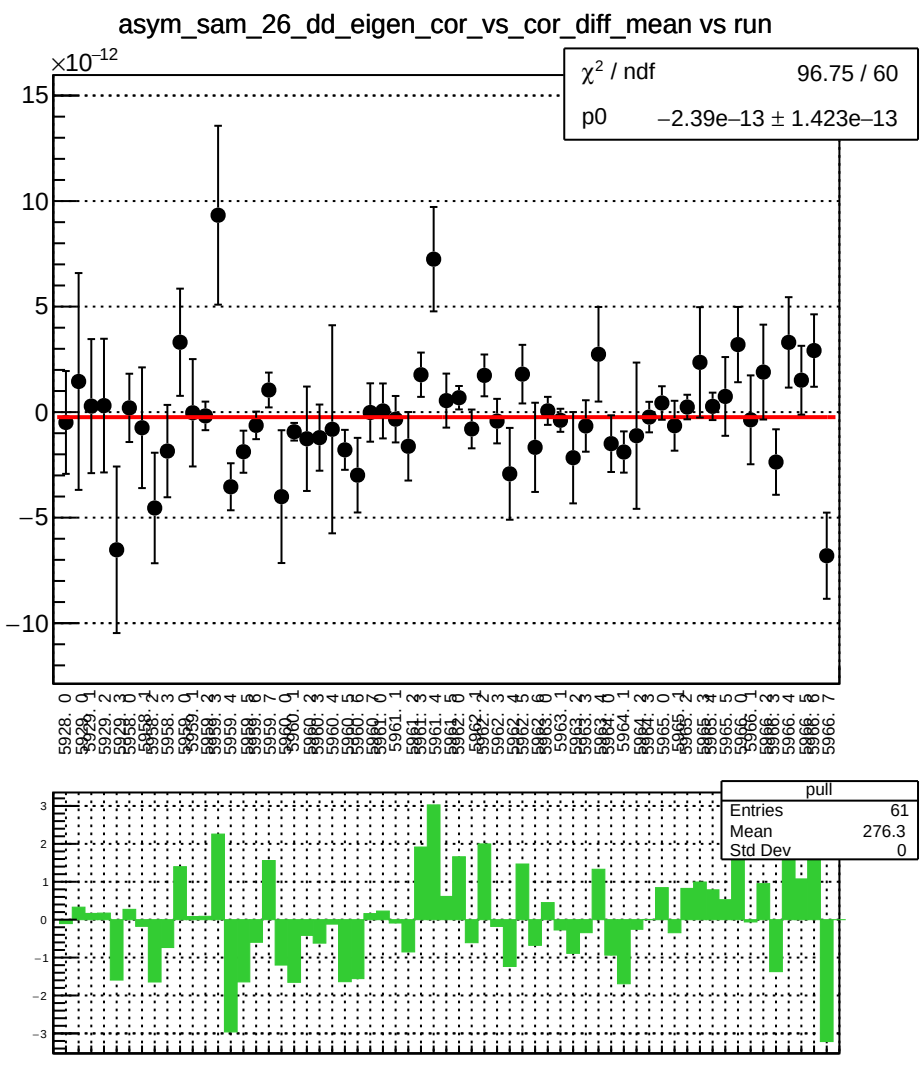

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57 / 60
p0 −0.04032 ± 0.1093
pull
Entries 61
Mean 286.1
Std Dev 0

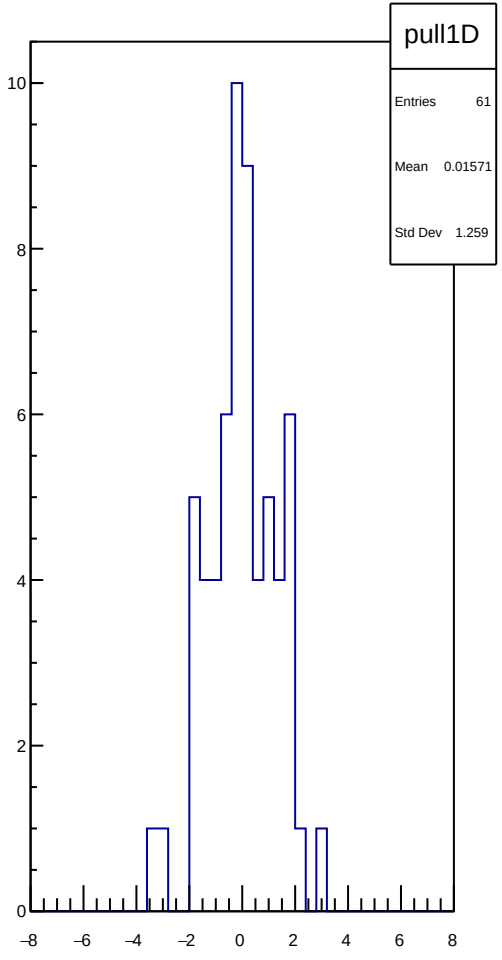

pull1D
Entries 61
Mean 0.009933
Std Dev 0.9666

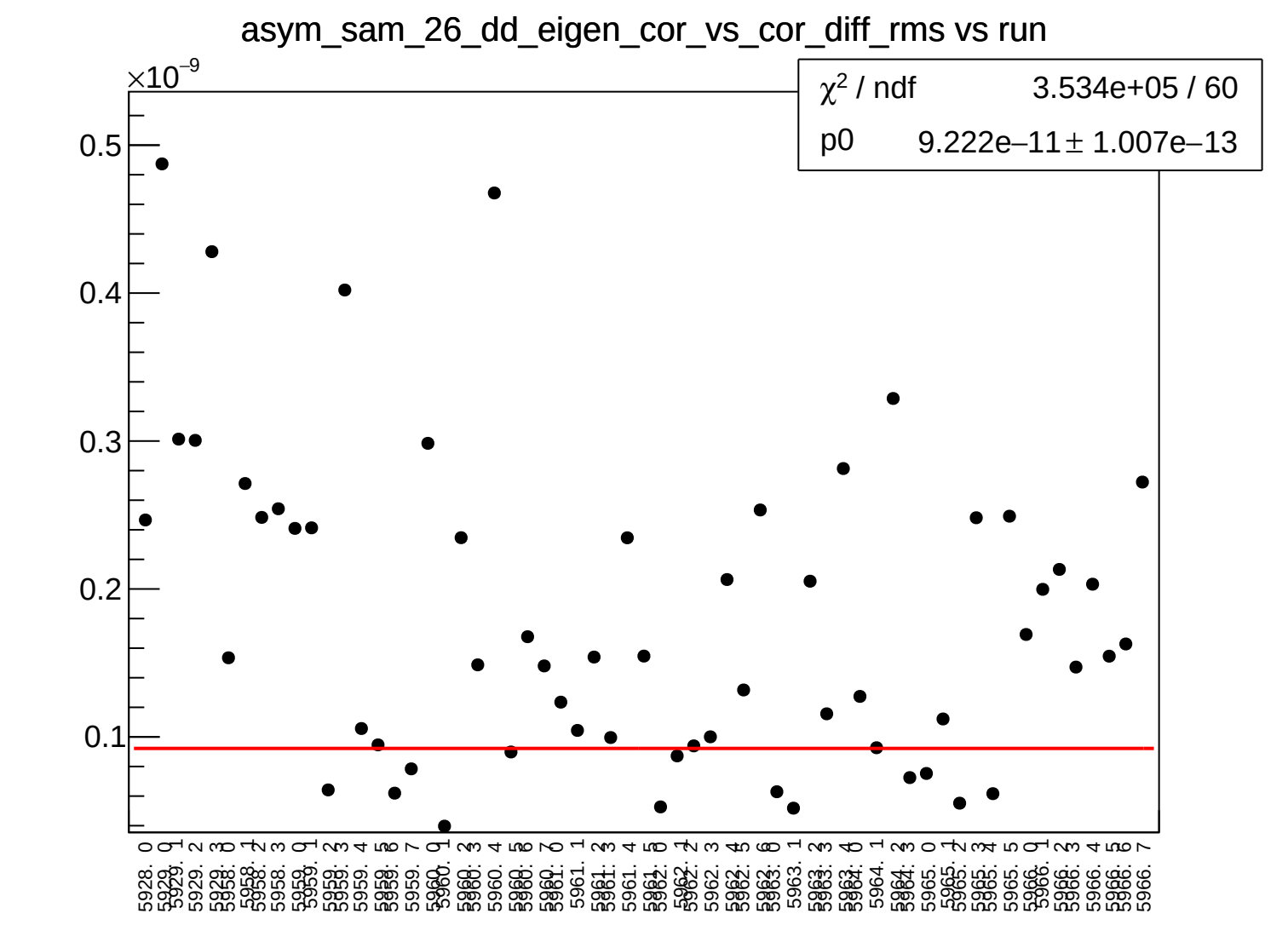

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5417 / 60
p0 84.23 ± 0.0773
95
90
85
80
75
70

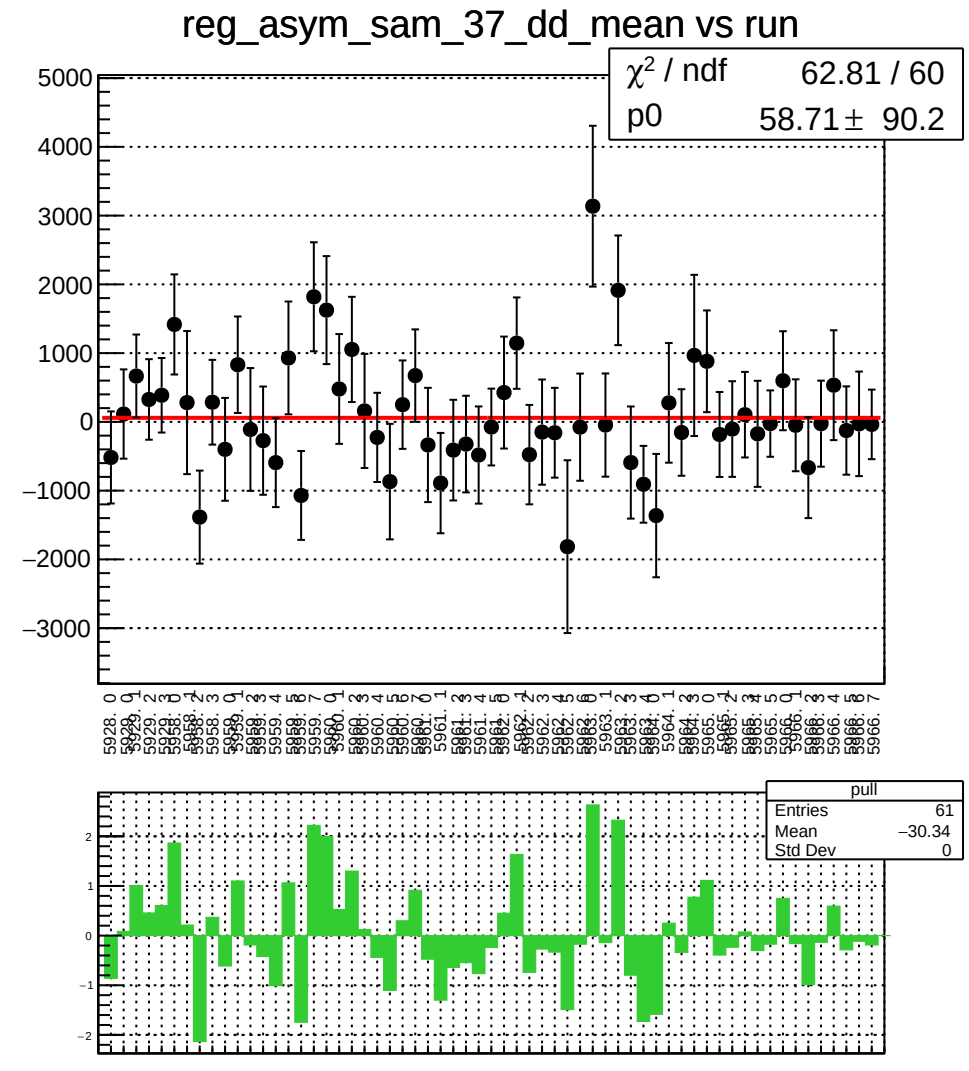

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57 / 60
p0 −0.04032 ± 0.1093
pull
Entries 61
Mean 286.1
Std Dev 0
pull1D
Entries 61
Mean 0.009933
Std Dev 0.9666

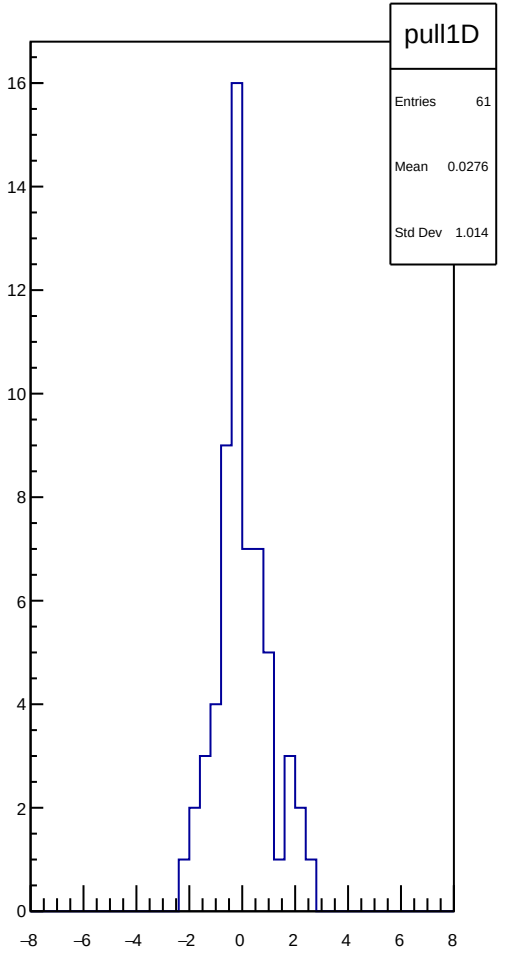

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5417 / 60
p0 84.23 ± 0.0773
95
90
85
80
75
70

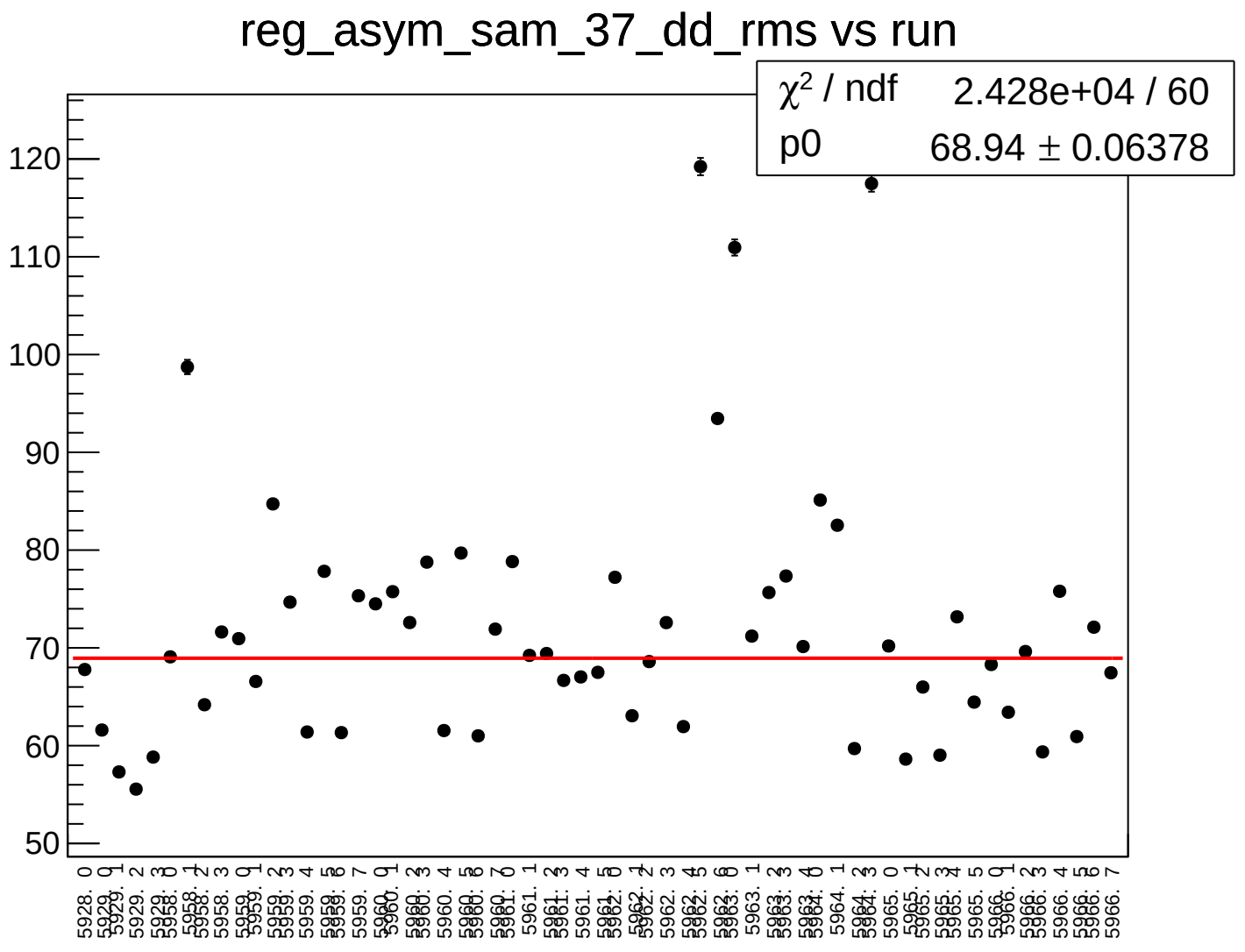

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 96.75 / 60
p0 −2.39e−13 ± 1.423e−13
pull
Entries 61
Mean 276.3
Std Dev 0

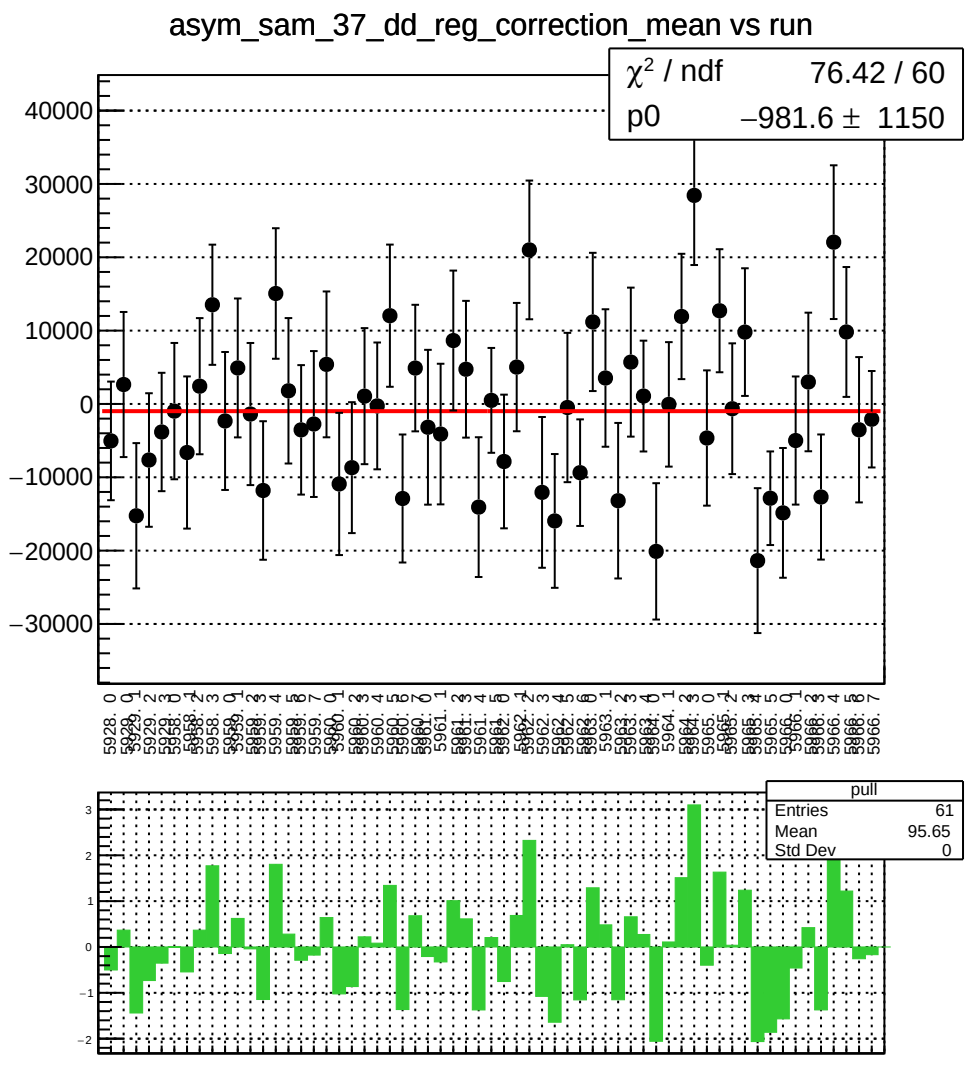

pull1D
Entries 61
Mean 0.01571
Std Dev 1.259

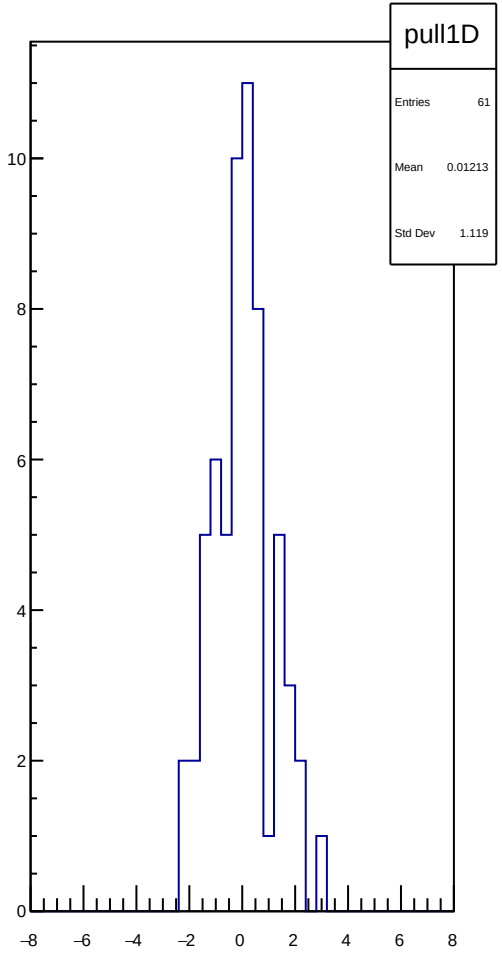

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.534e+05 / 60
p0 9.222e−11 ± 1.007e−13
0.5
0.4
0.3
0.2
0.1

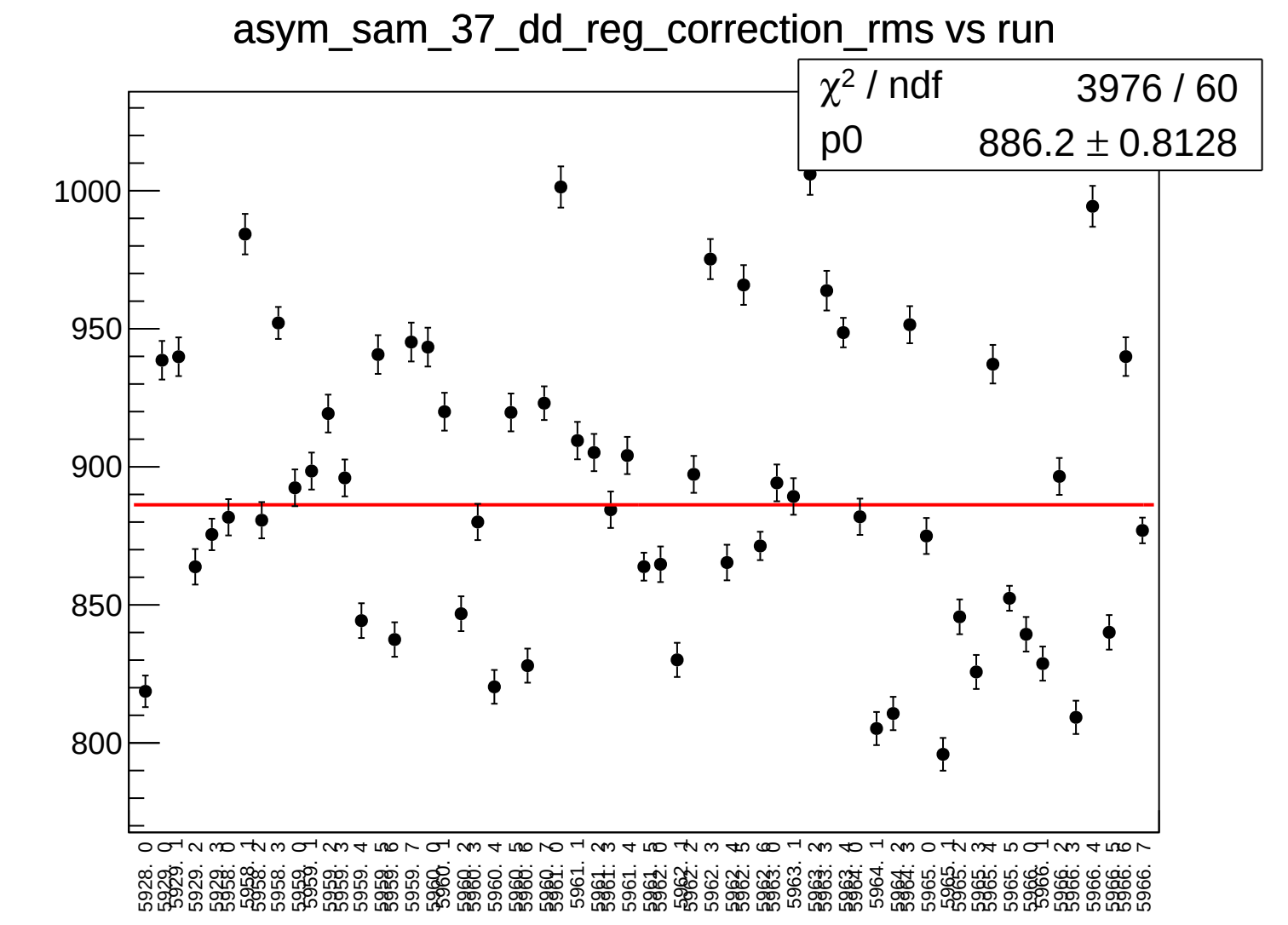

reg_asym_sam_37_dd_mean vs run
χ² / ndf 62.81 / 60
p0 58.71 ± 90.2
pull
Entries 61
Mean −30.34
Std Dev 0

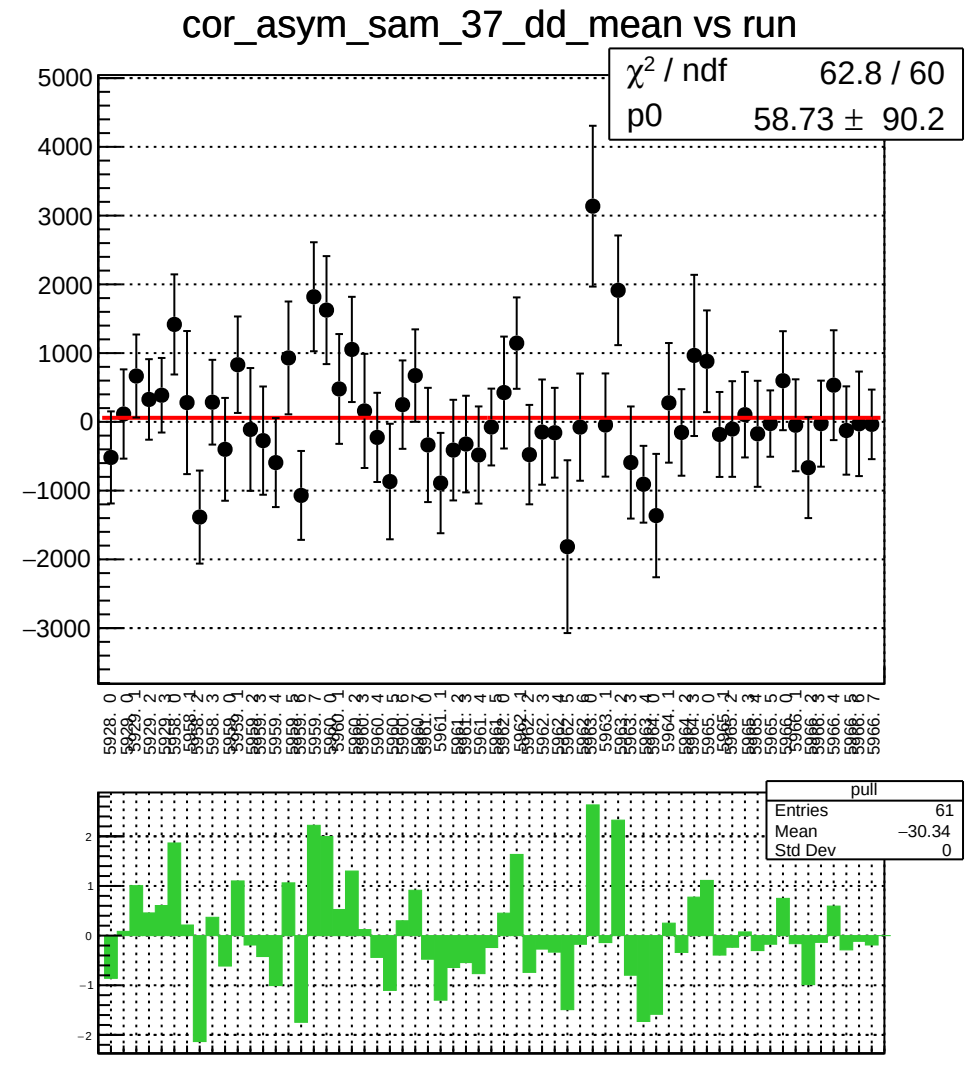

pull1D
Entries 61
Mean 0.0276
Std Dev 1.014

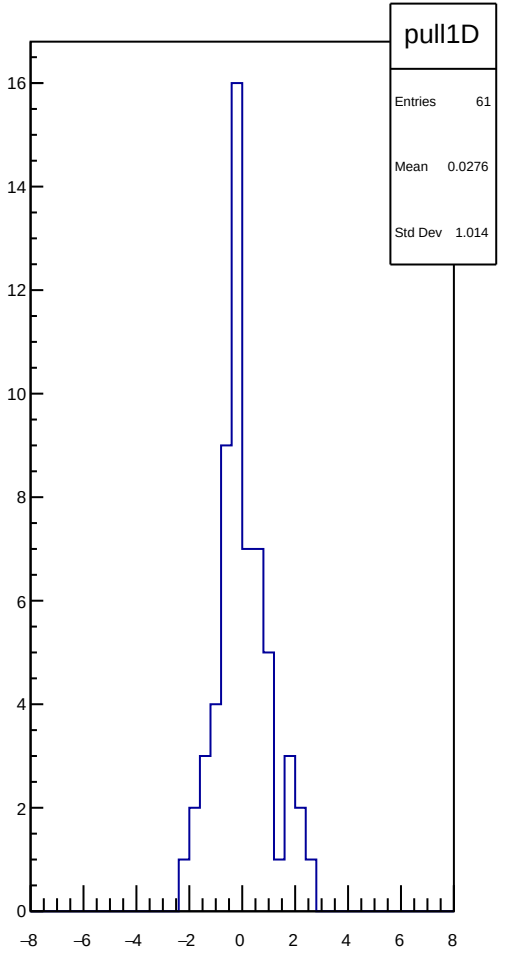

reg_asym_sam_37_dd_rms vs run
χ² / ndf 2.428e+04 / 60
p0 68.94 ± 0.06378
120
110
100
90
80
70
60
50

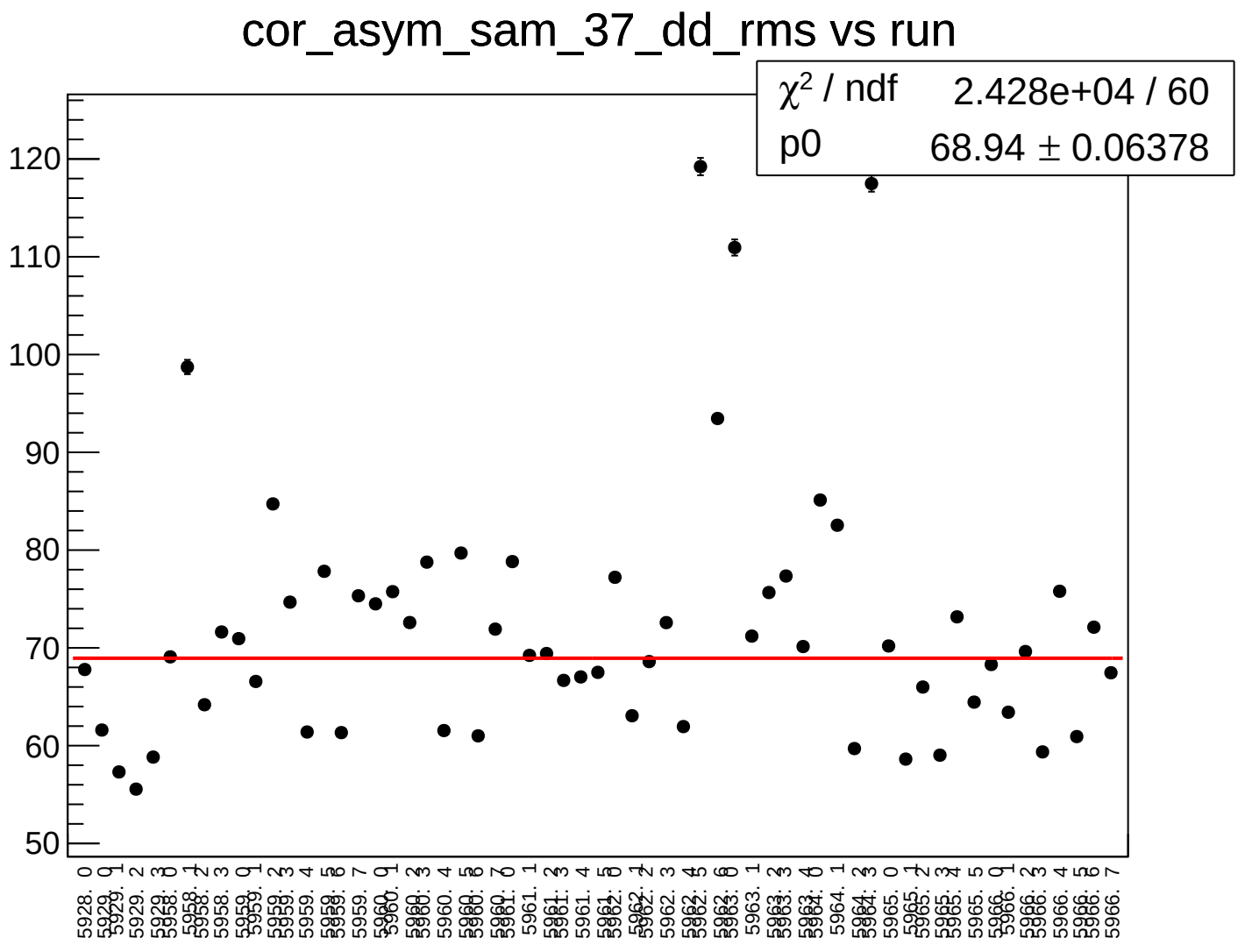

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 76.42 / 60
p0 −981.6 ± 1150
pull
Entries 61
Mean 95.65
Std Dev 0

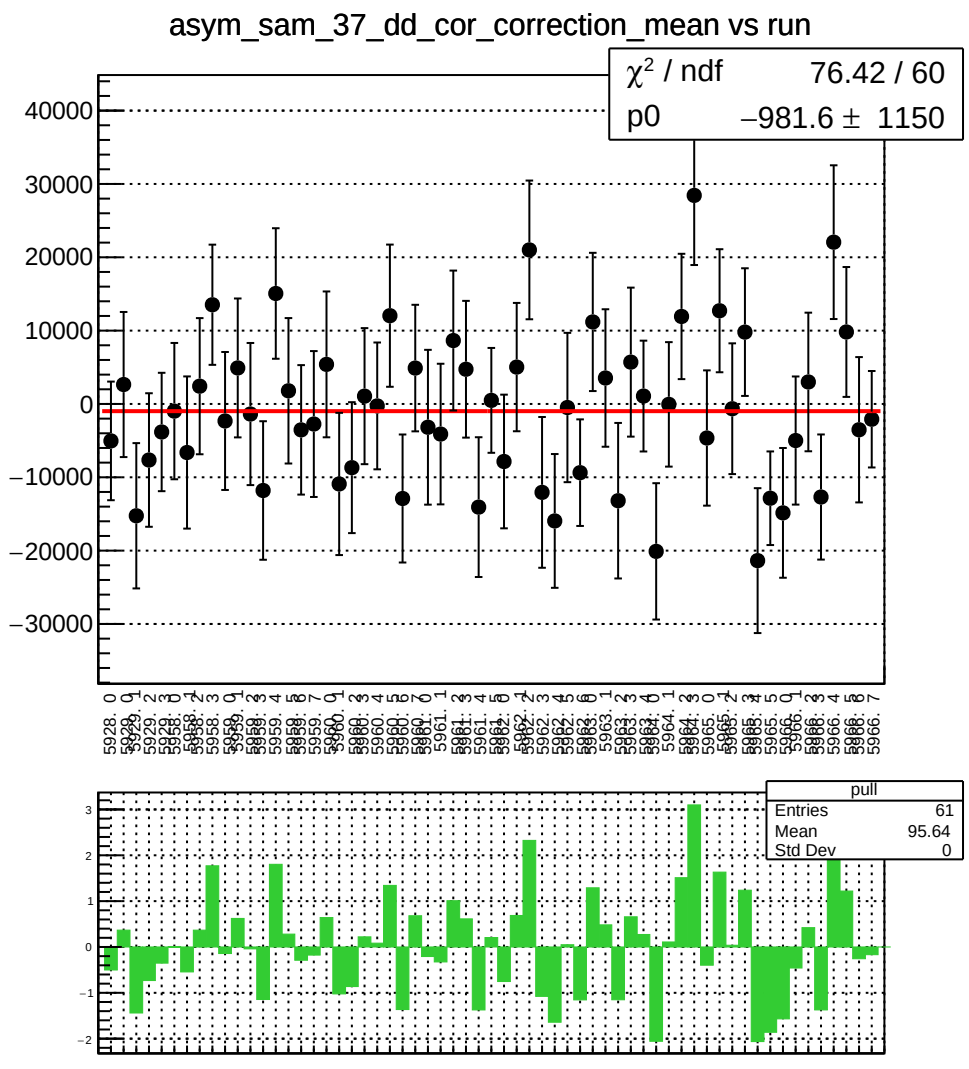

pull1D
Entries 61
Mean 0.01213
Std Dev 1.119

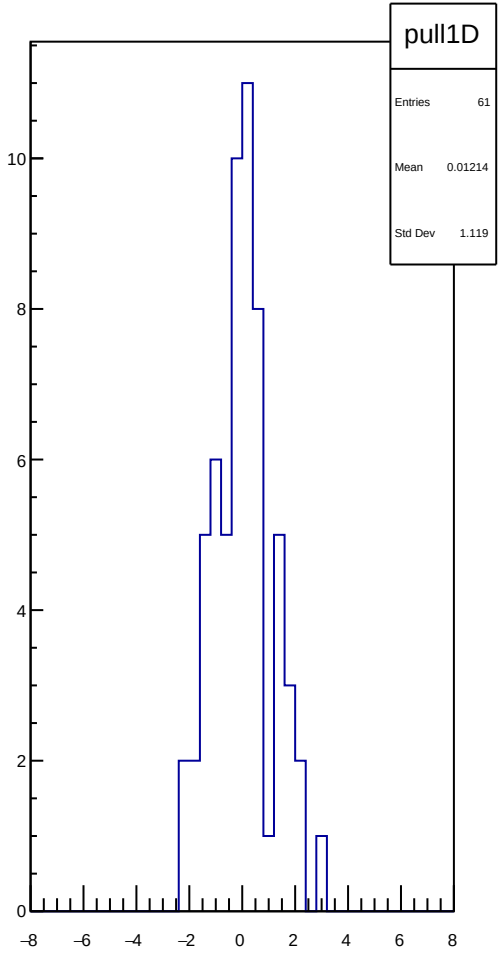

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 3976 / 60
p0 886.2 ± 0.8128
1000
950
900
850
800

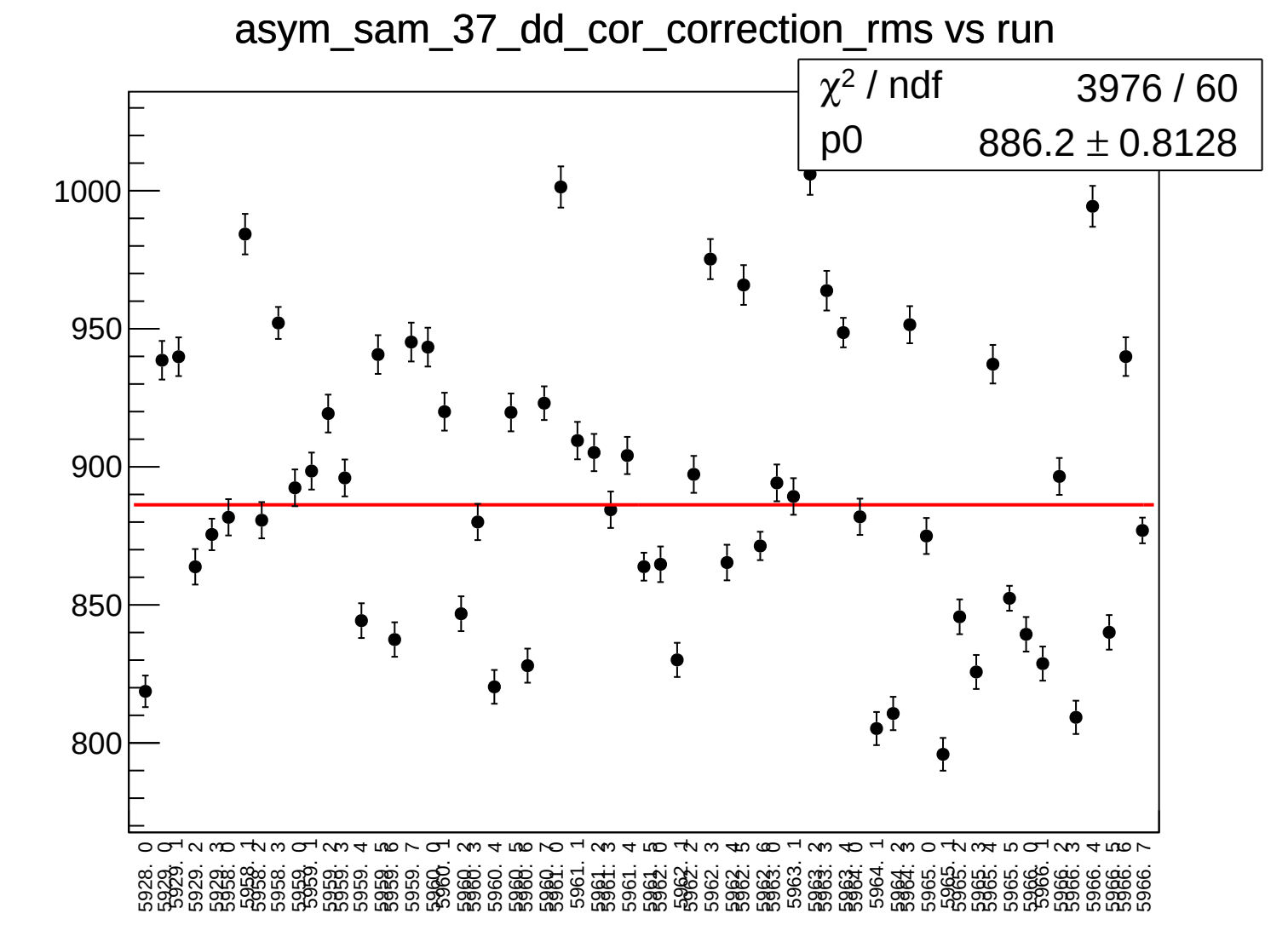

cor_asym_sam_37_dd_mean vs run
χ² / ndf 62.8 / 60
p0 58.73 ± 90.2
pull
Entries 61
Mean −30.34
Std Dev 0

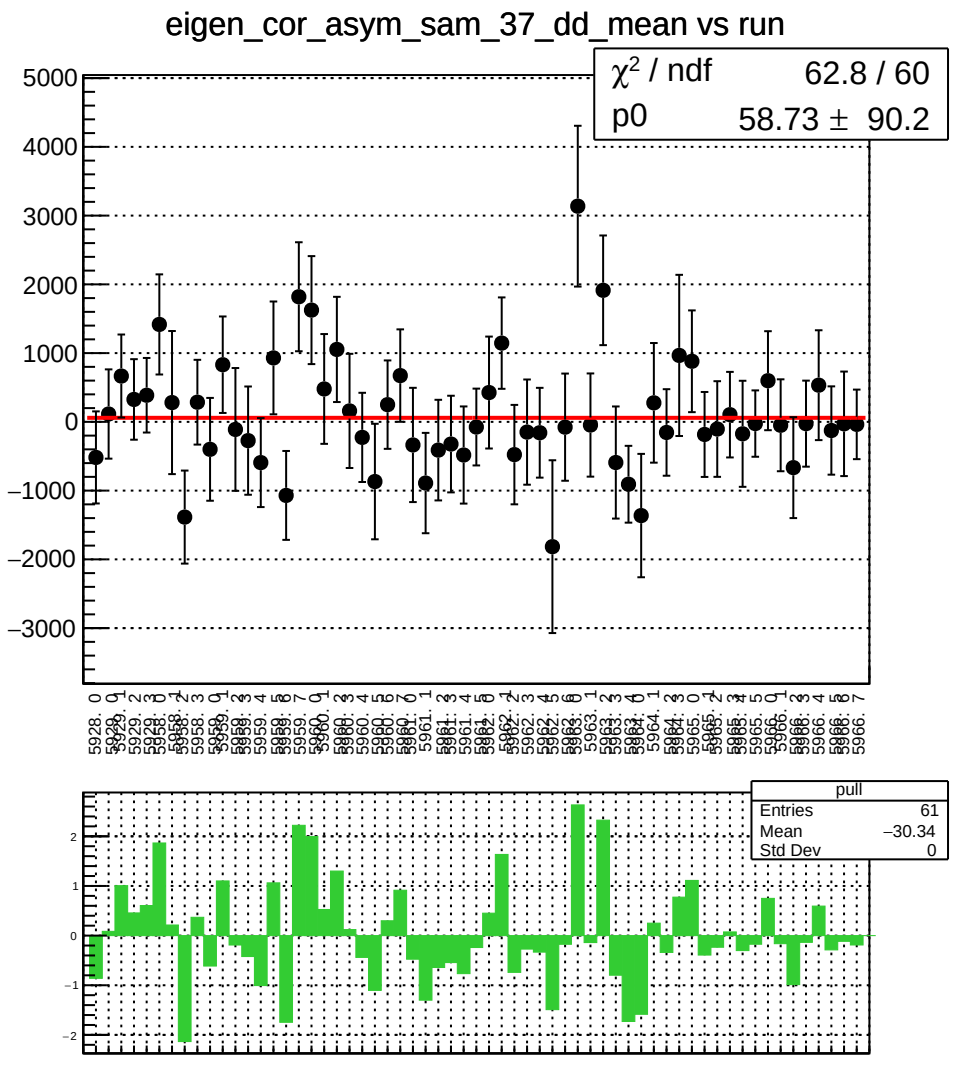

pull1D
Entries 61
Mean 0.0276
Std Dev 1.014

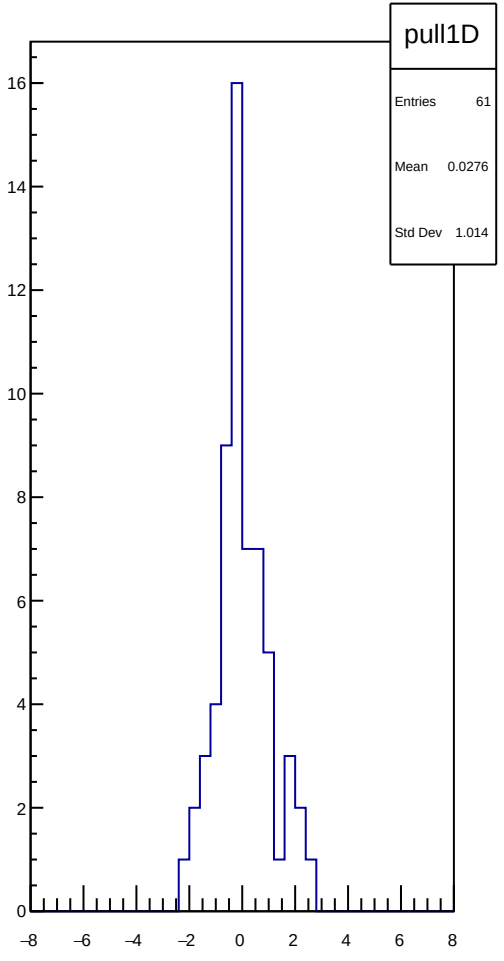

cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 2.428e+04 / 60
p0 68.94 ± 0.06378
120
110
100
90
80
70
60
50

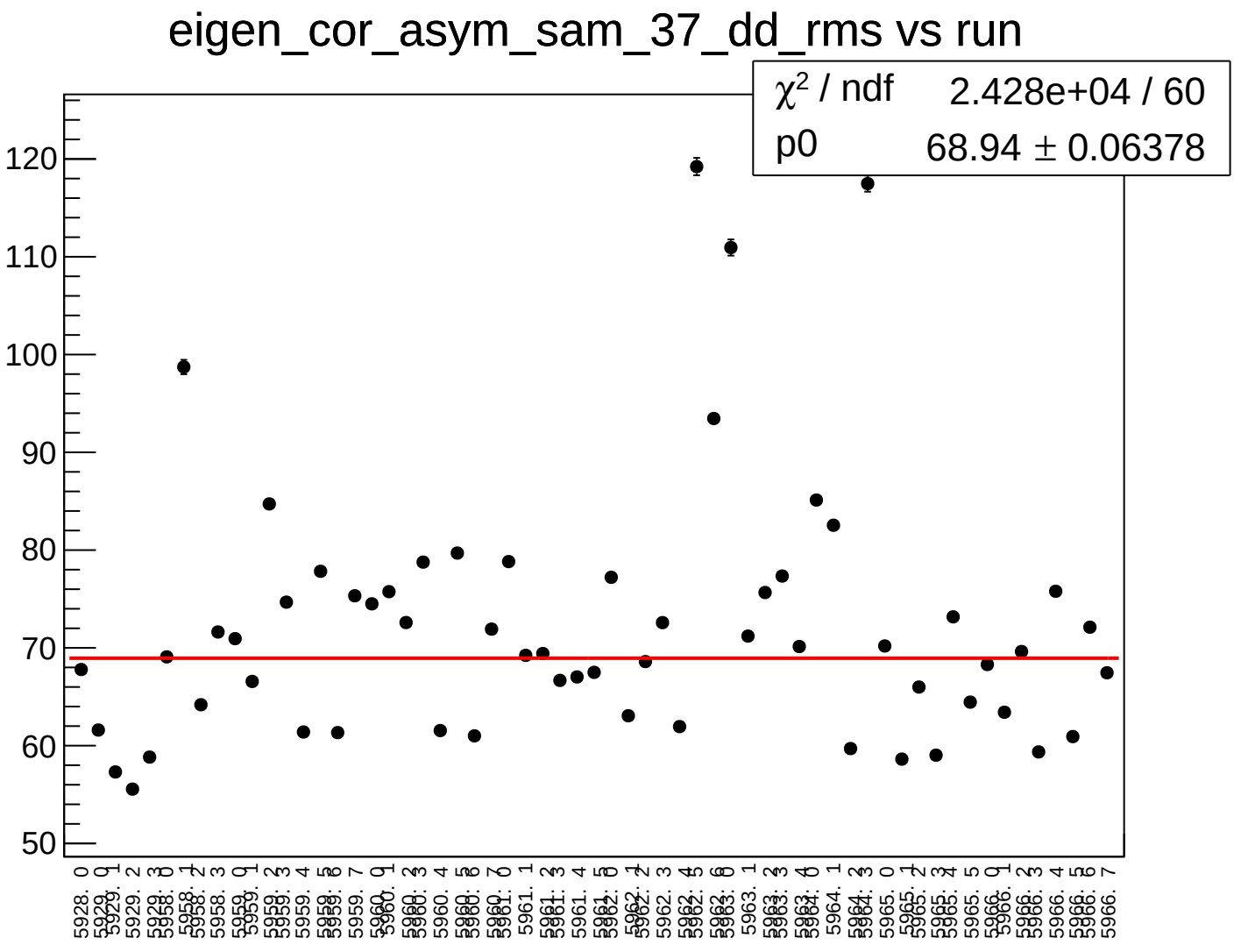

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 76.42 / 60
p0 −981.6 ± 1150
pull
Entries 61
Mean 95.64
Std Dev 0

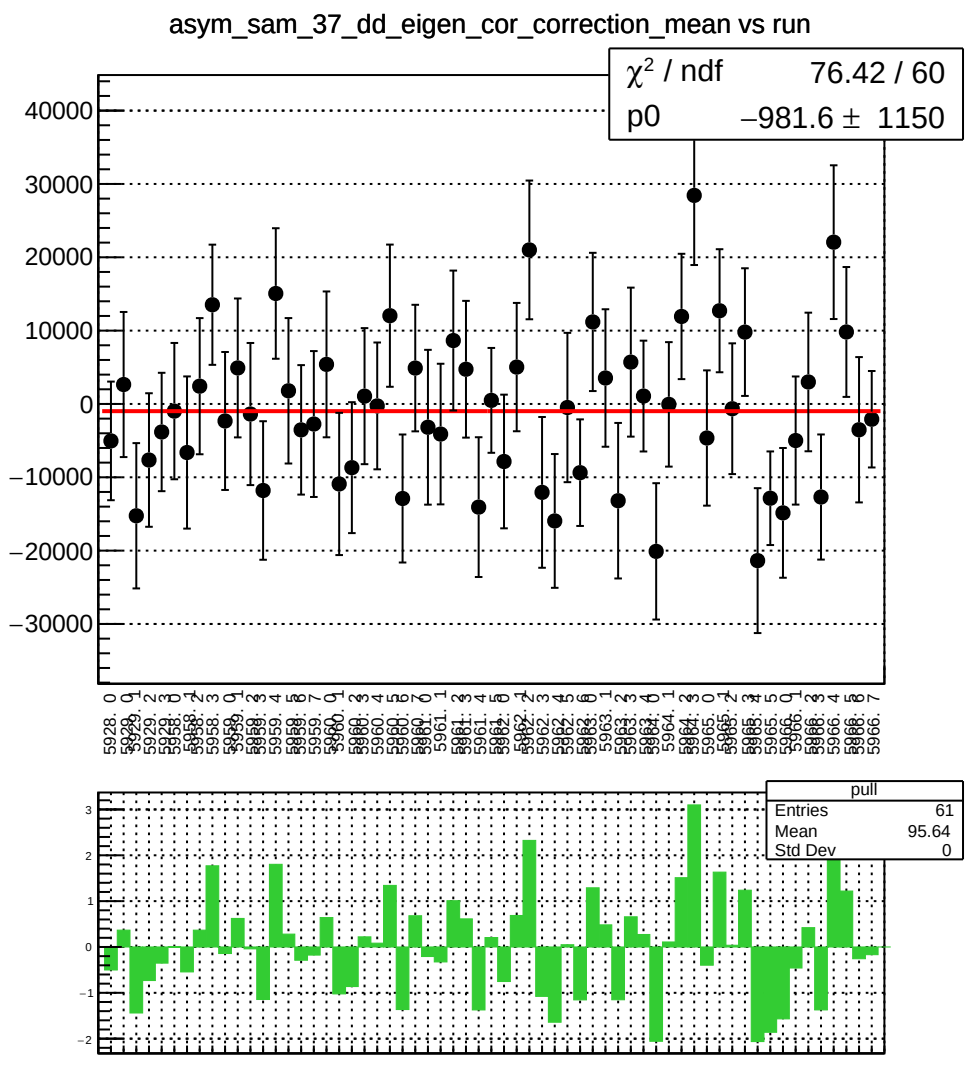

pull1D
Entries 61
Mean 0.01214
Std Dev 1.119

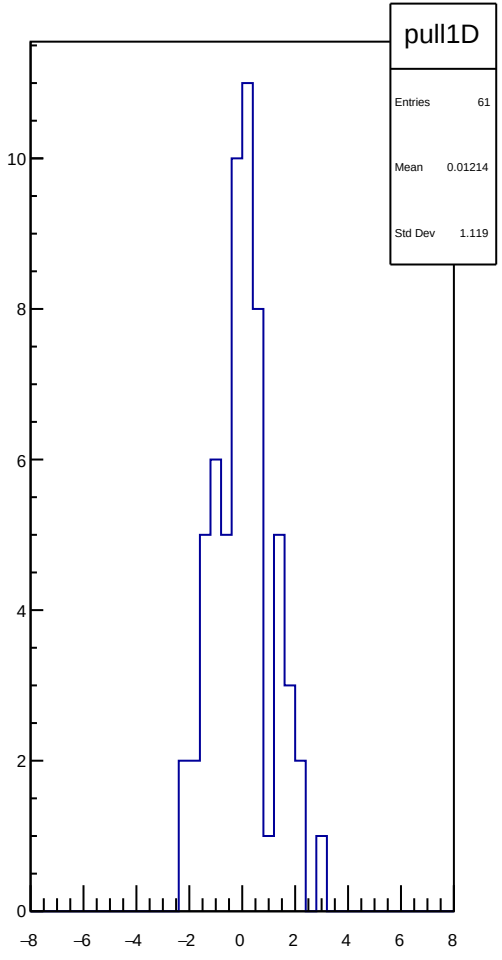

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 3976 / 60
p0 886.2 ± 0.8128
1000
950
900
850
800

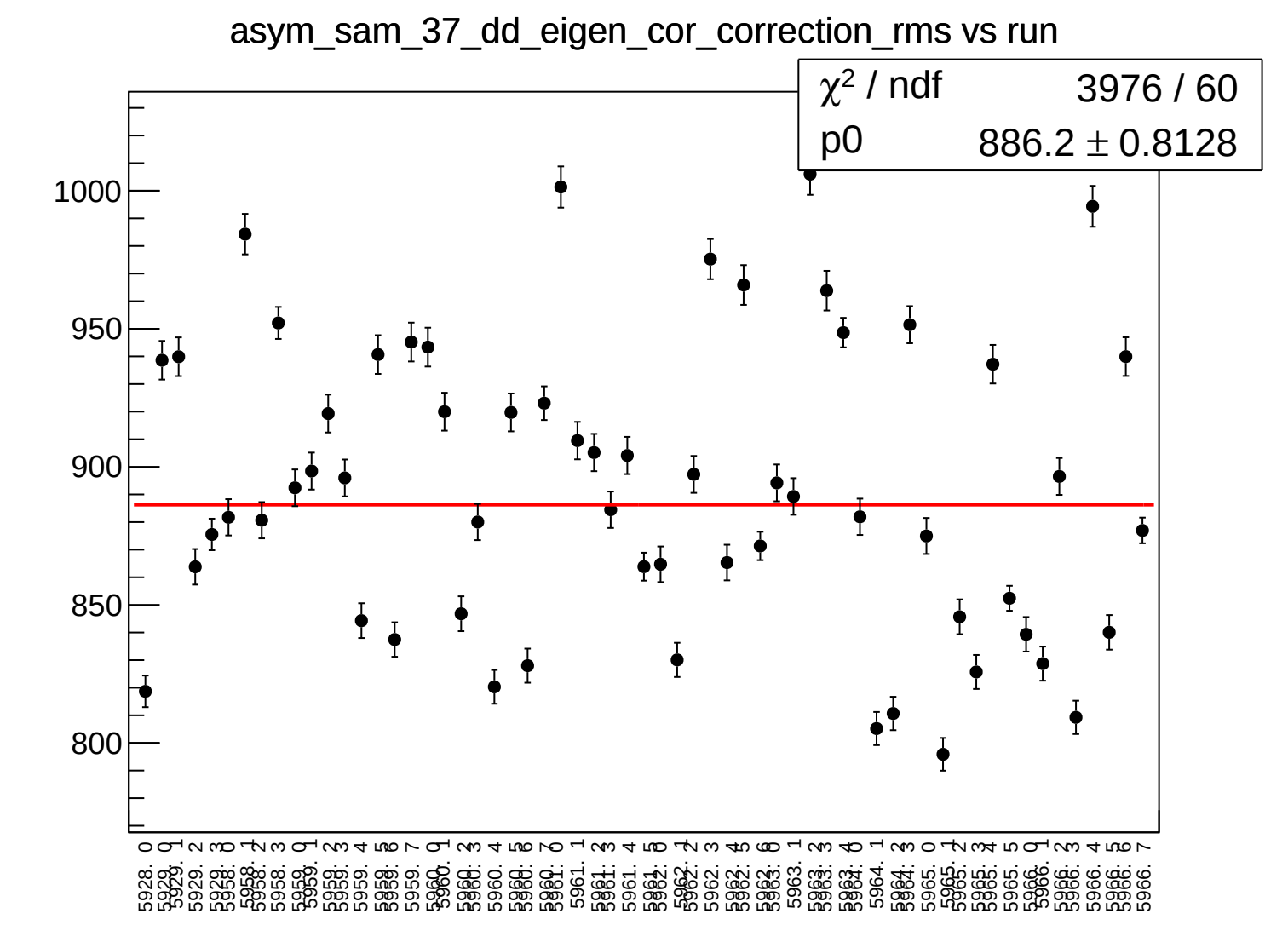

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 62.8 / 60
p0 58.73 ± 90.2
pull
Entries 61
Mean −30.34
Std Dev 0

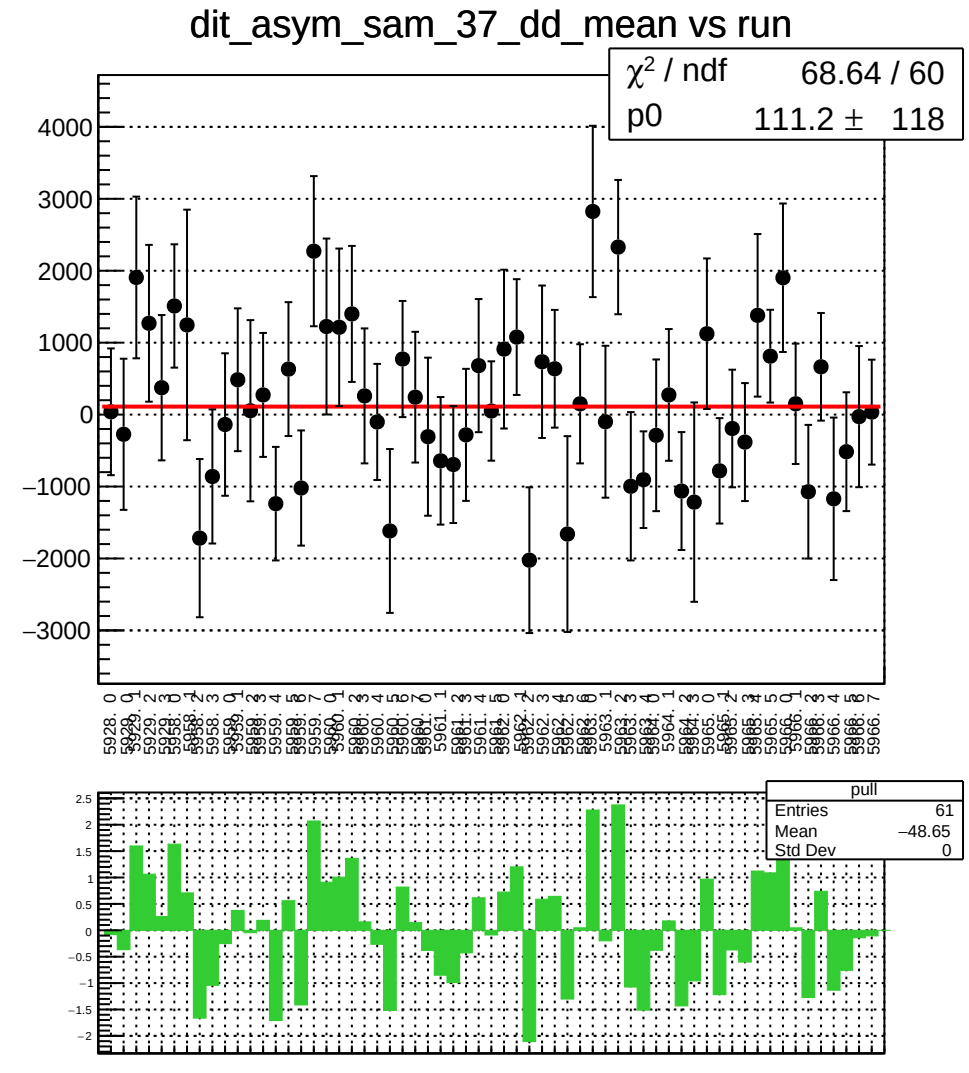

pull1D
Entries 61
Mean 0.0276
Std Dev 1.014

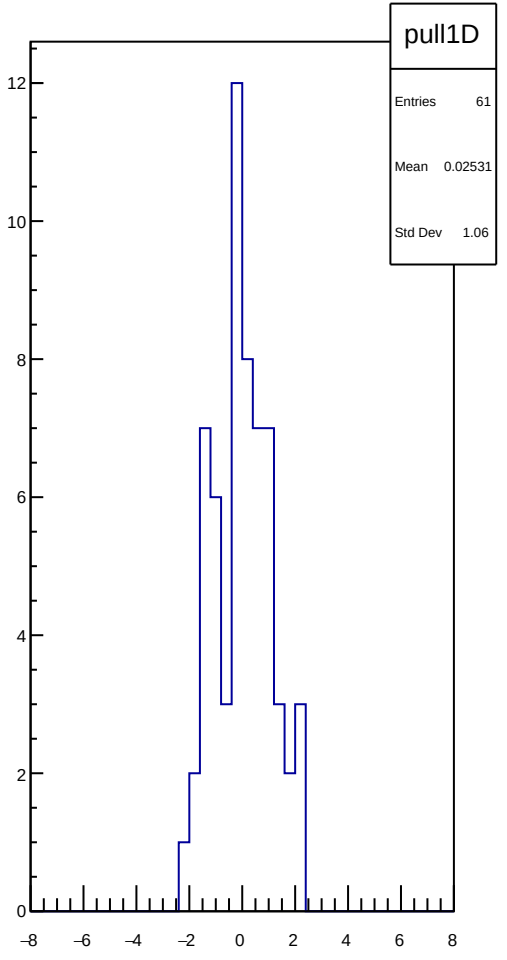

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 2.428e+04 / 60
p0 68.94 ± 0.06378
120
110
100
90
80
70
60
50

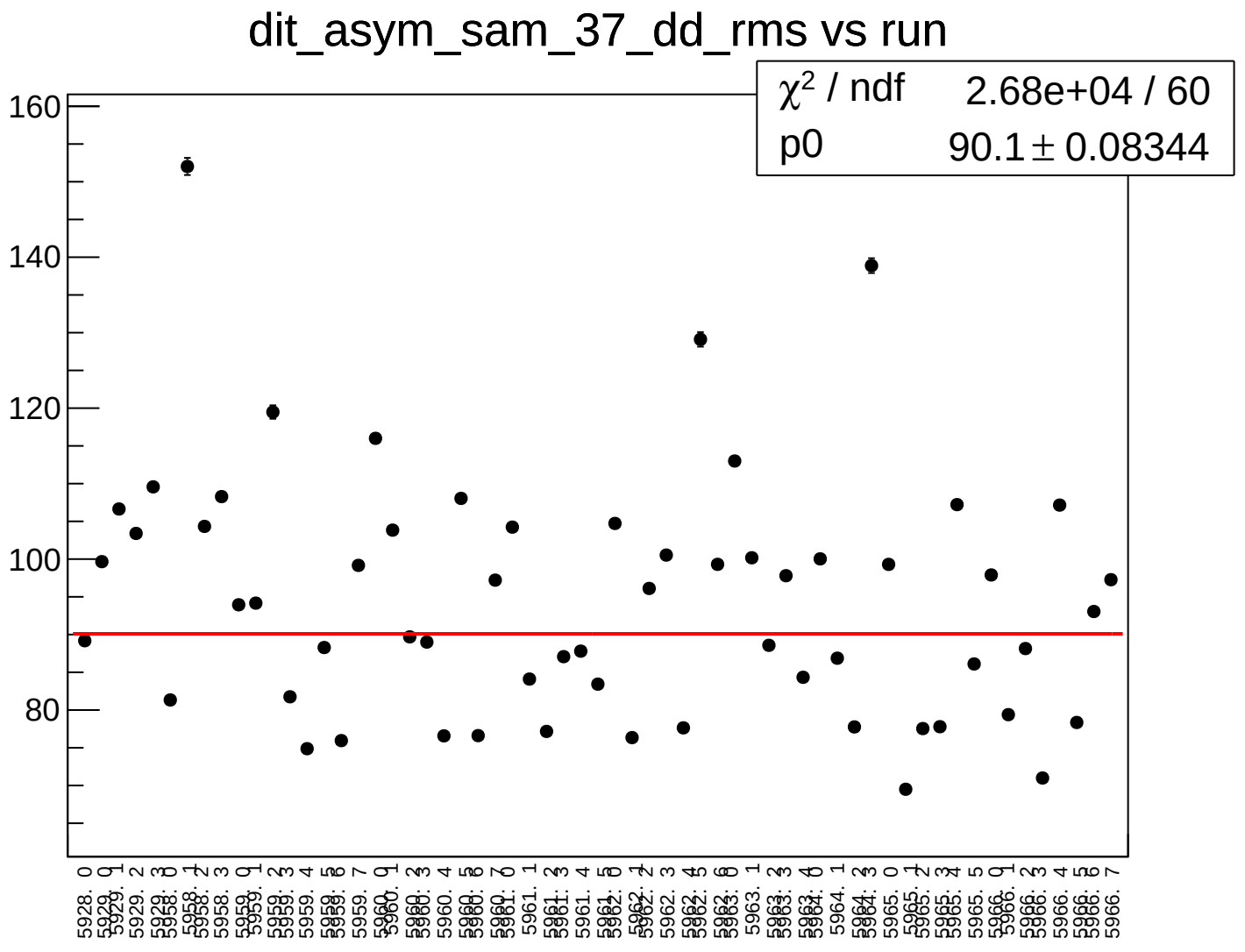

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.42 / 60
p0 −981.6 ± 1150
pull
Entries 61
Mean 95.64
Std Dev 0

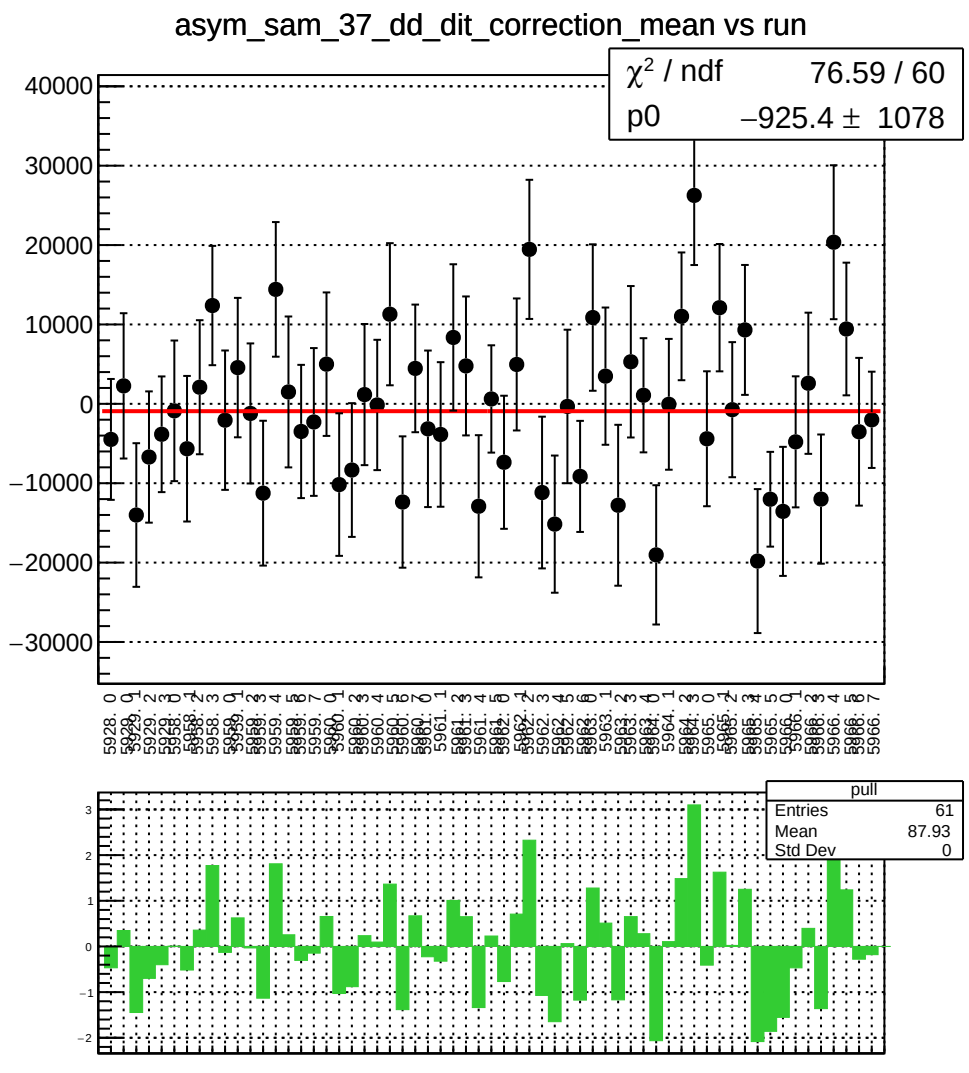

pull1D
Entries 61
Mean 0.01214
Std Dev 1.119

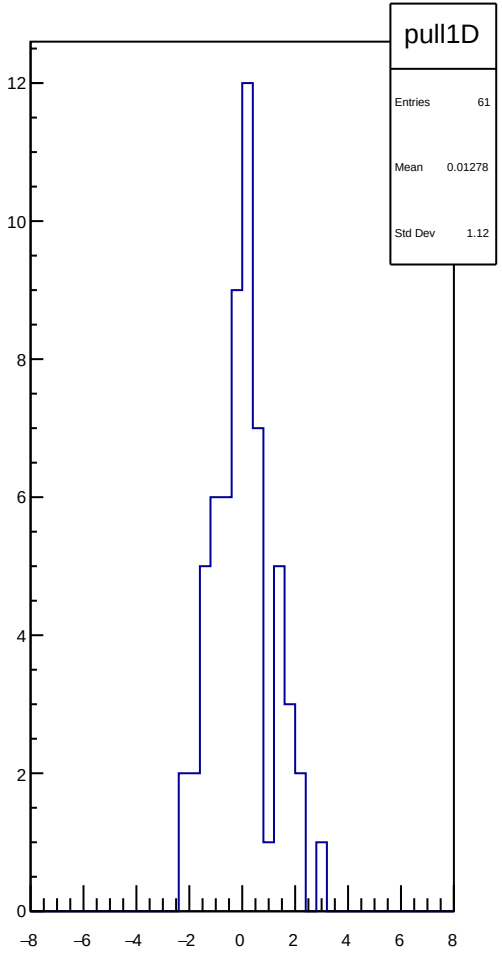

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3976 / 60
p0 886.2 ± 0.8128
1000
950
900
850
800

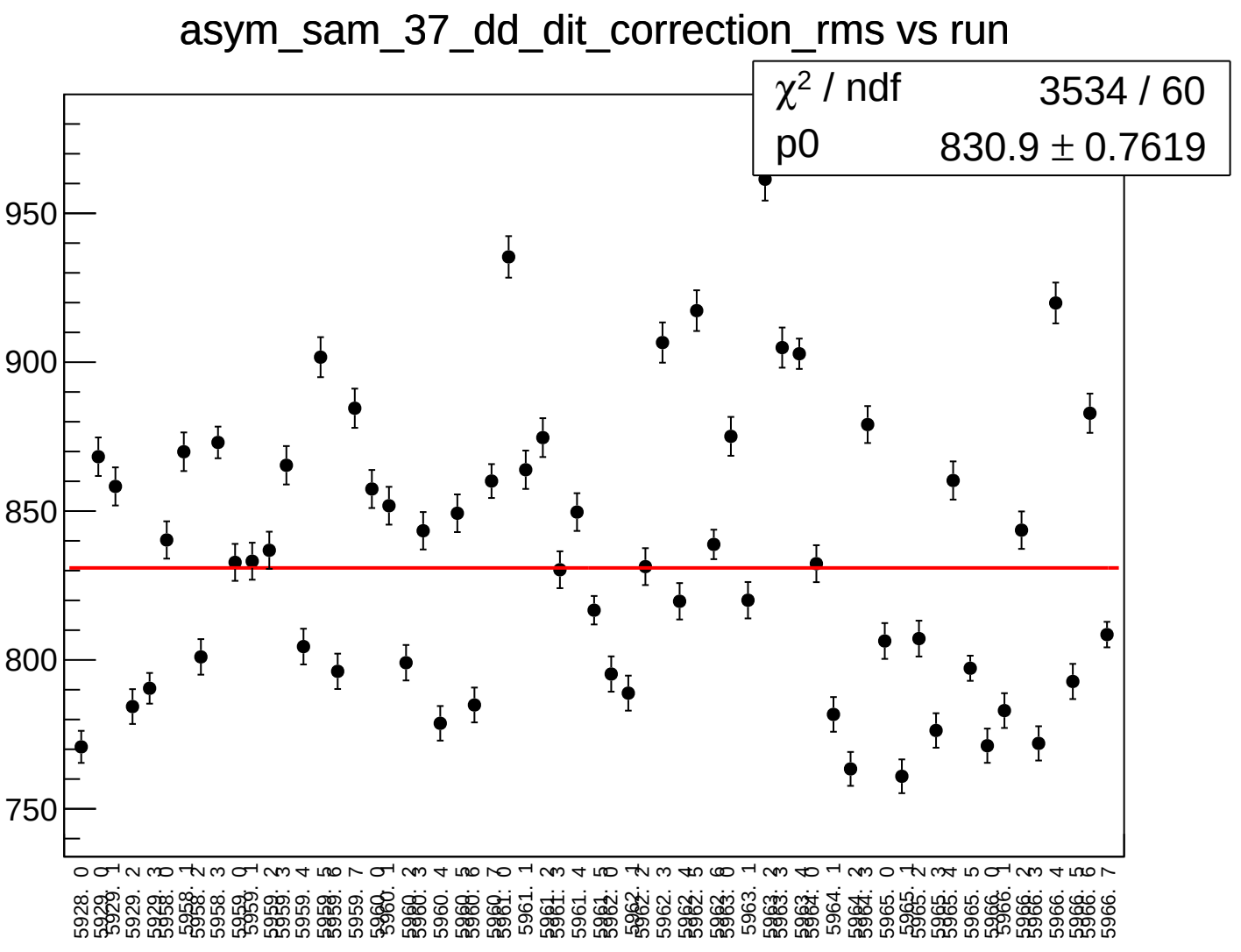

dit_asym_sam_37_dd_mean vs run
χ² / ndf 68.64 / 60
p0 111.2 ± 118
pull
Entries 61
Mean −48.65
Std Dev 0

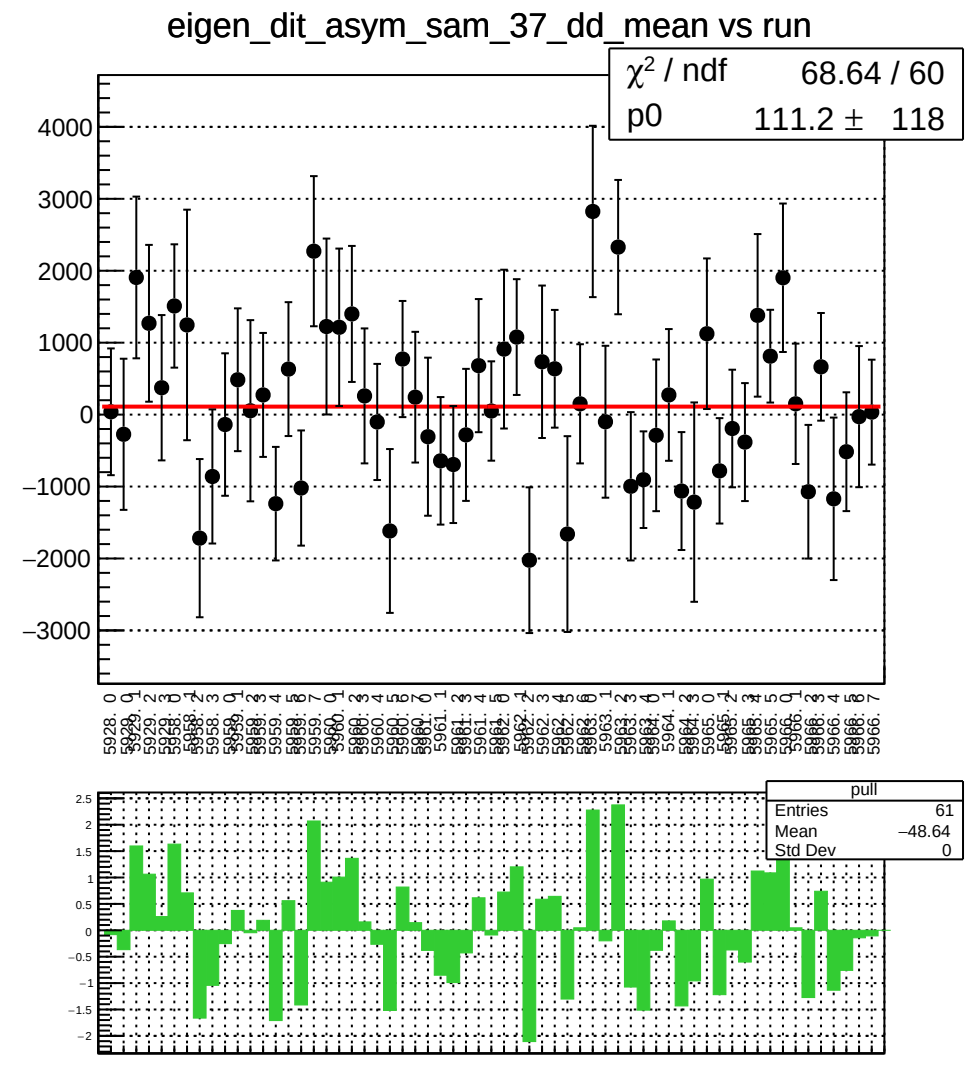

pull1D
Entries 61
Mean 0.02531
Std Dev 1.06

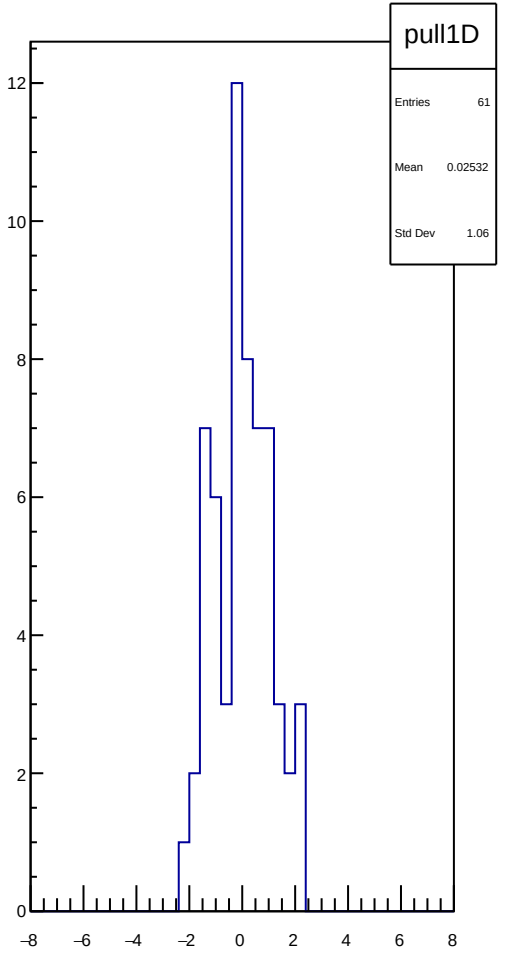

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.68e+04 / 60
p0 90.1 ± 0.08344
160
140
120
100
80

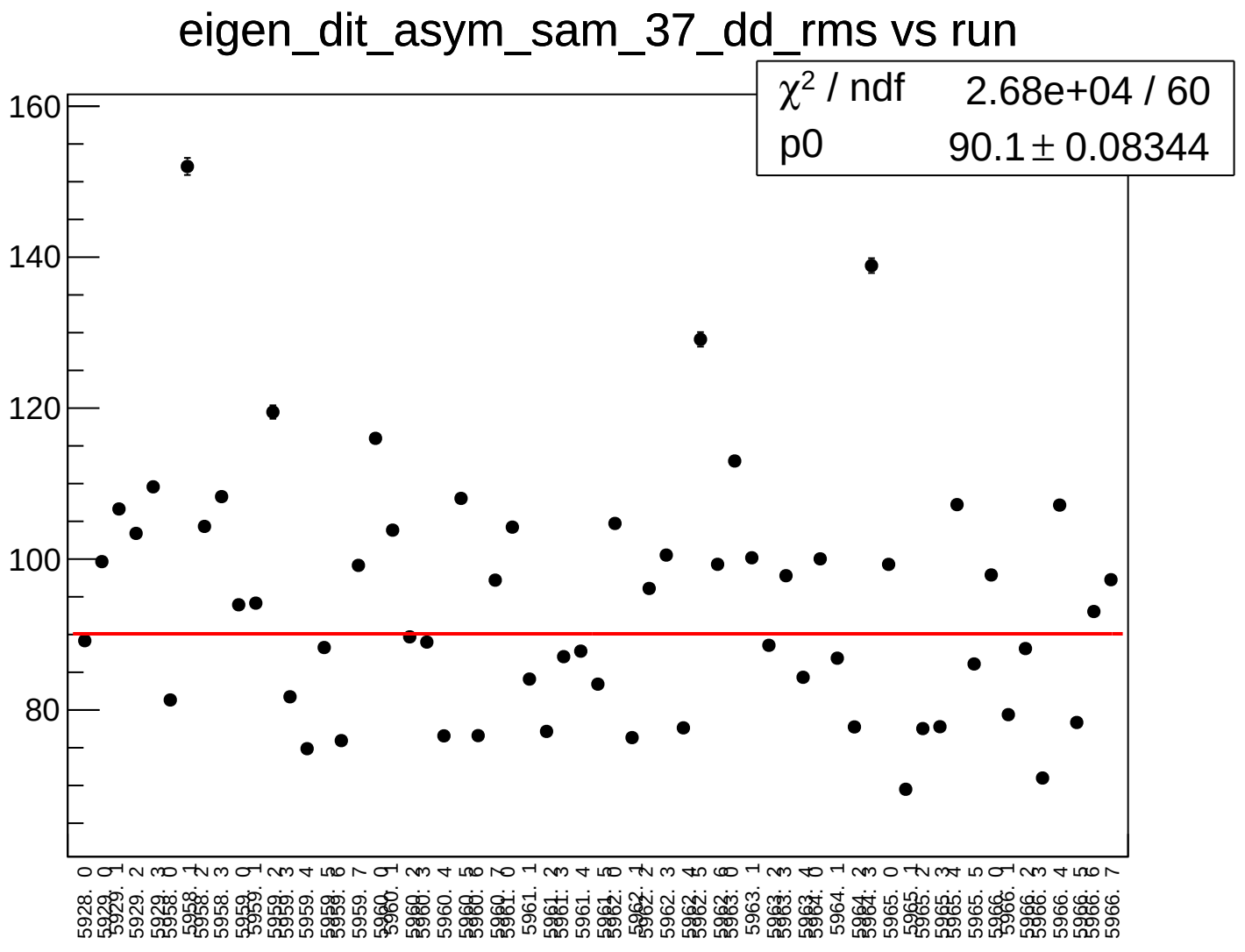

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 76.59 / 60
p0 −925.4 ± 1078
pull
Entries 61
Mean 87.93
Std Dev 0

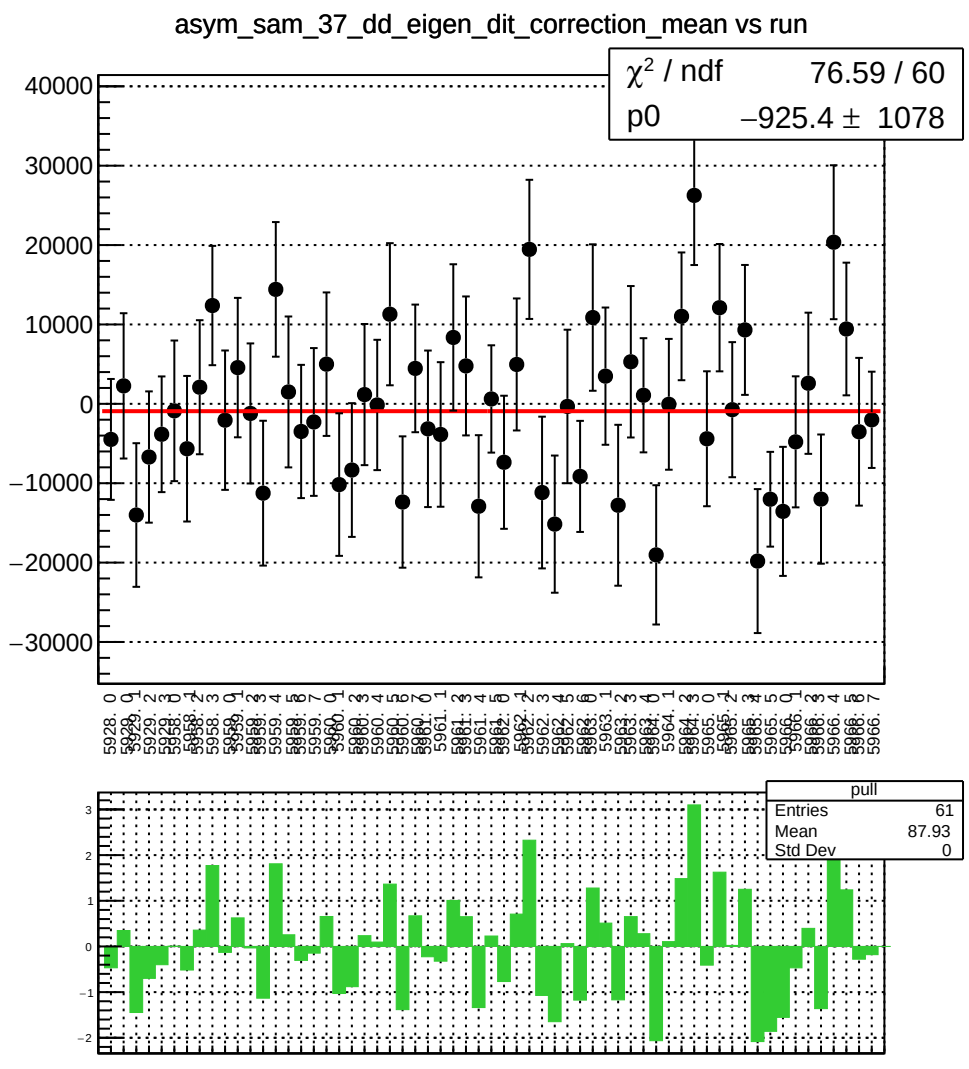

pull1D
Entries 61
Mean 0.01278
Std Dev 1.12

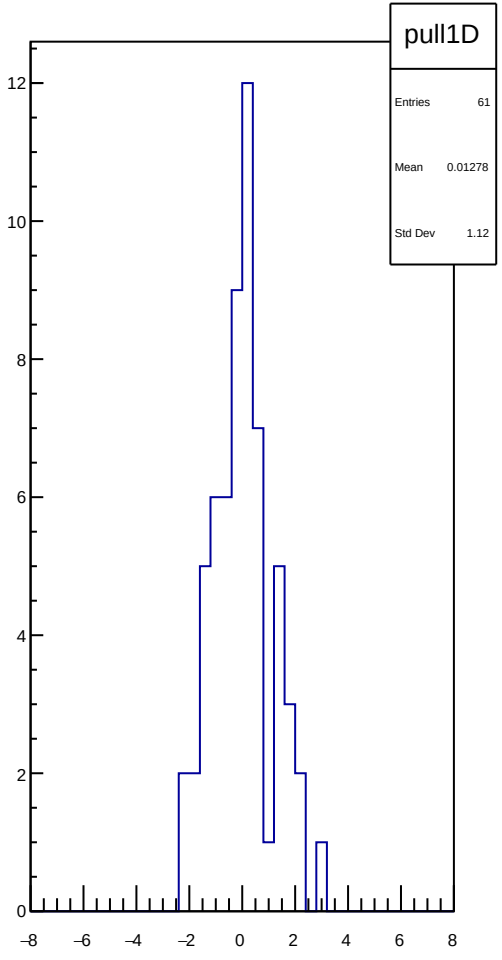

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3534 / 60
p0 830.9 ± 0.7619
950
900
850
800
750

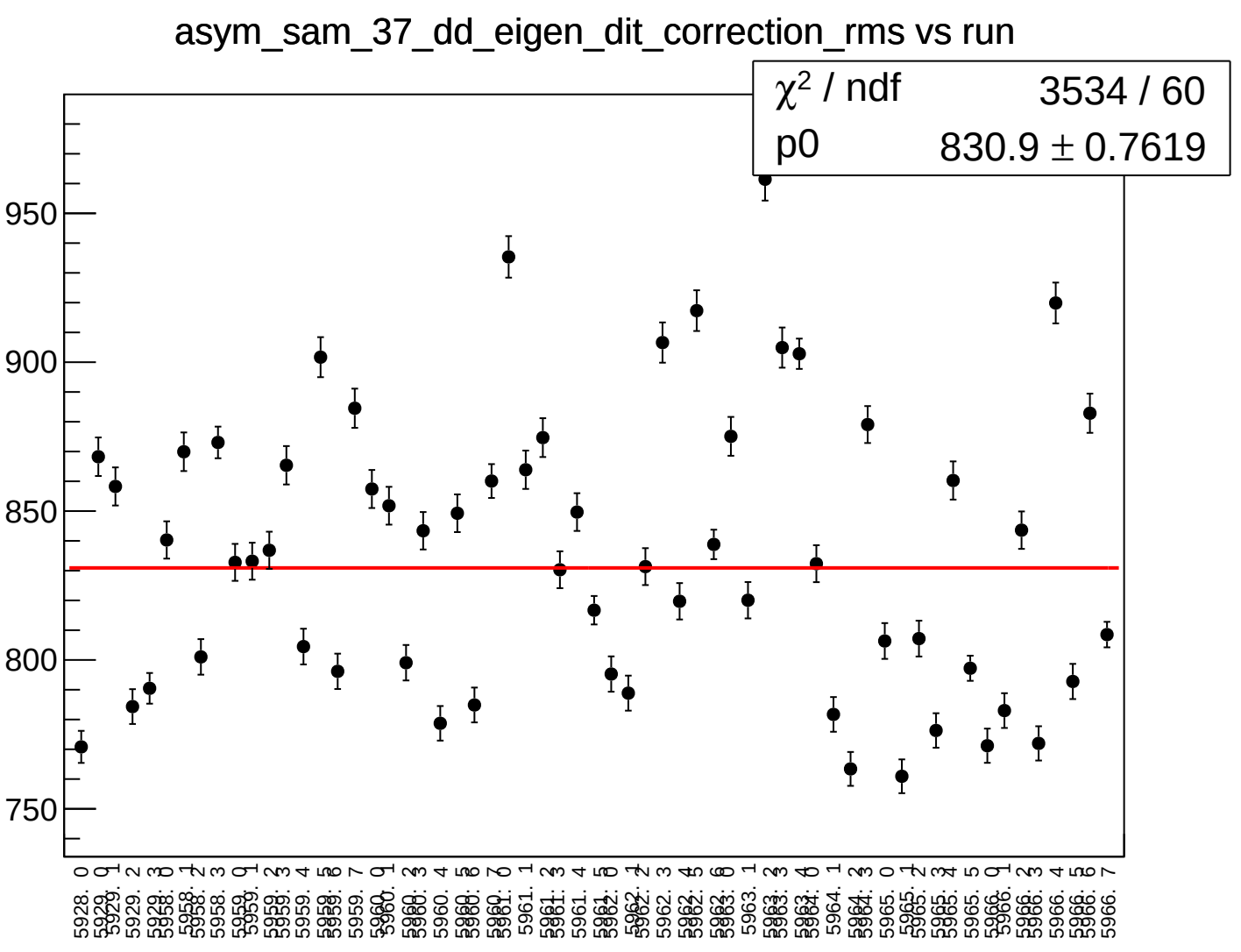

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 68.64 / 60
p0 111.2 ± 118
pull
Entries 61
Mean −48.64
Std Dev 0

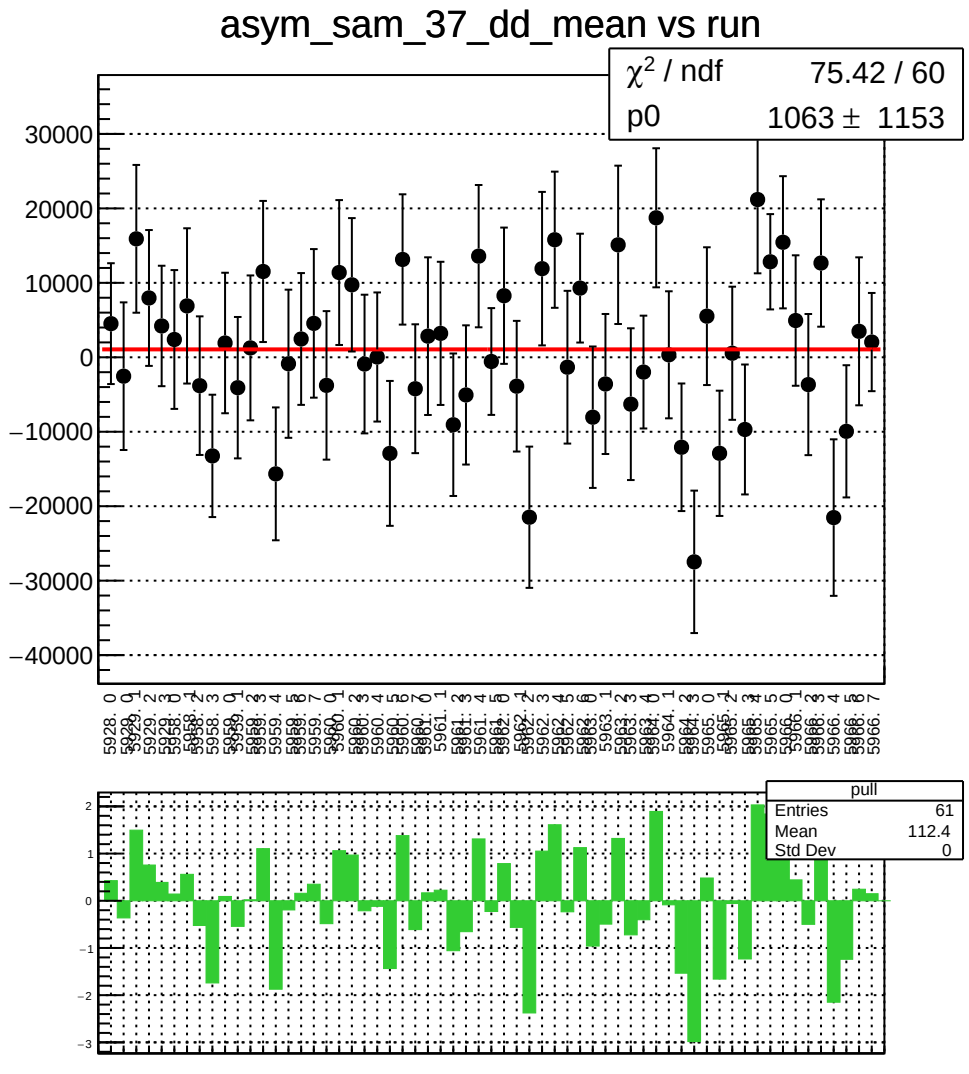

pull1D
Entries 61
Mean 0.02532
Std Dev 1.06

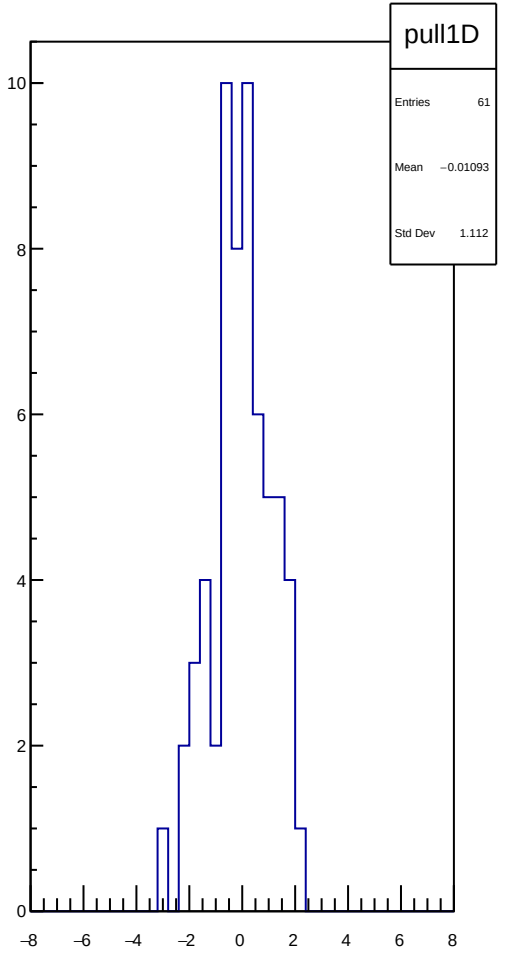

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.68e+04 / 60
p0 90.1 ± 0.08344
160
140
120
100
80

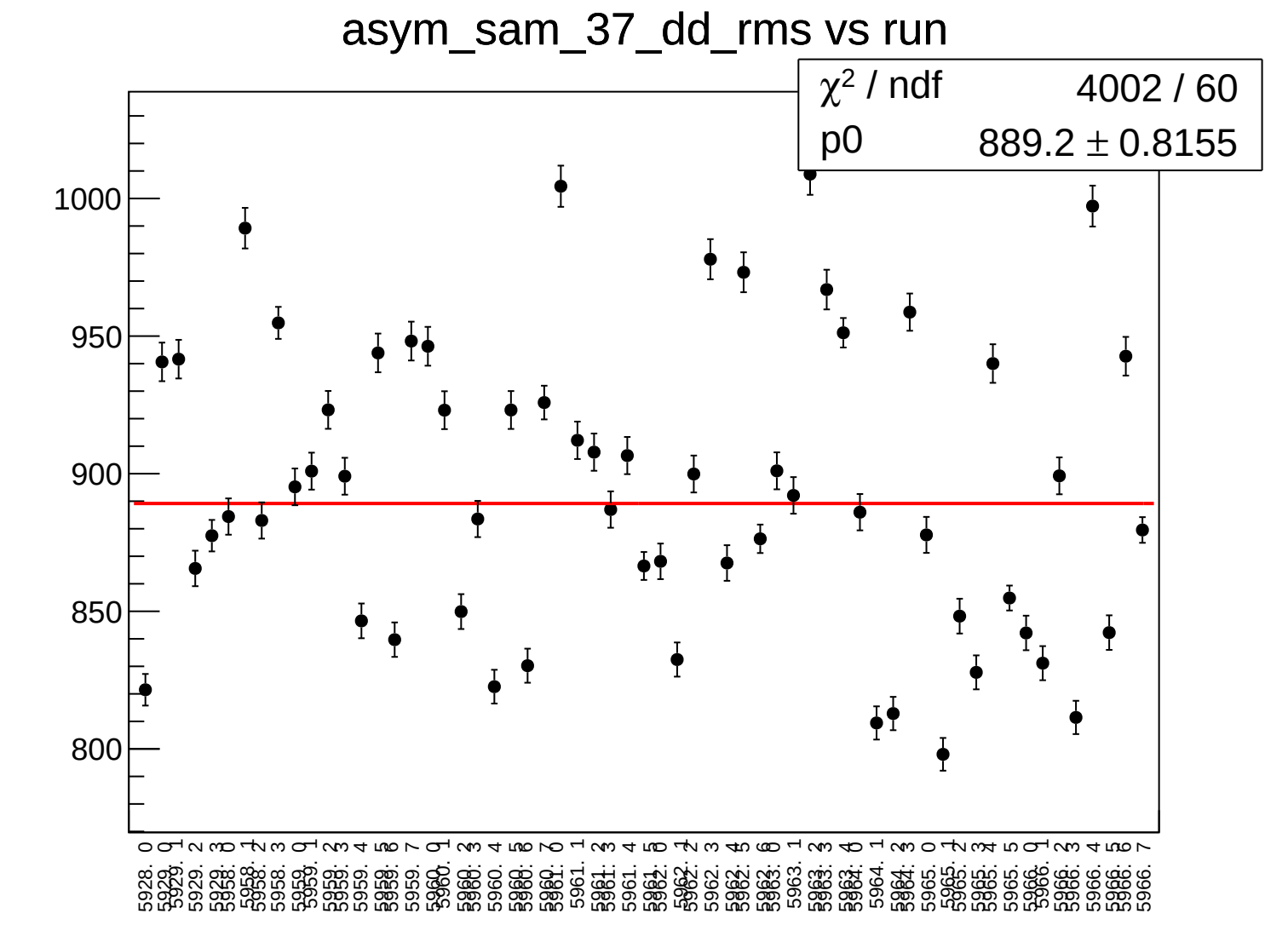

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.59 / 60
p0 −925.4 ± 1078
pull
Entries 61
Mean 87.93
Std Dev 0

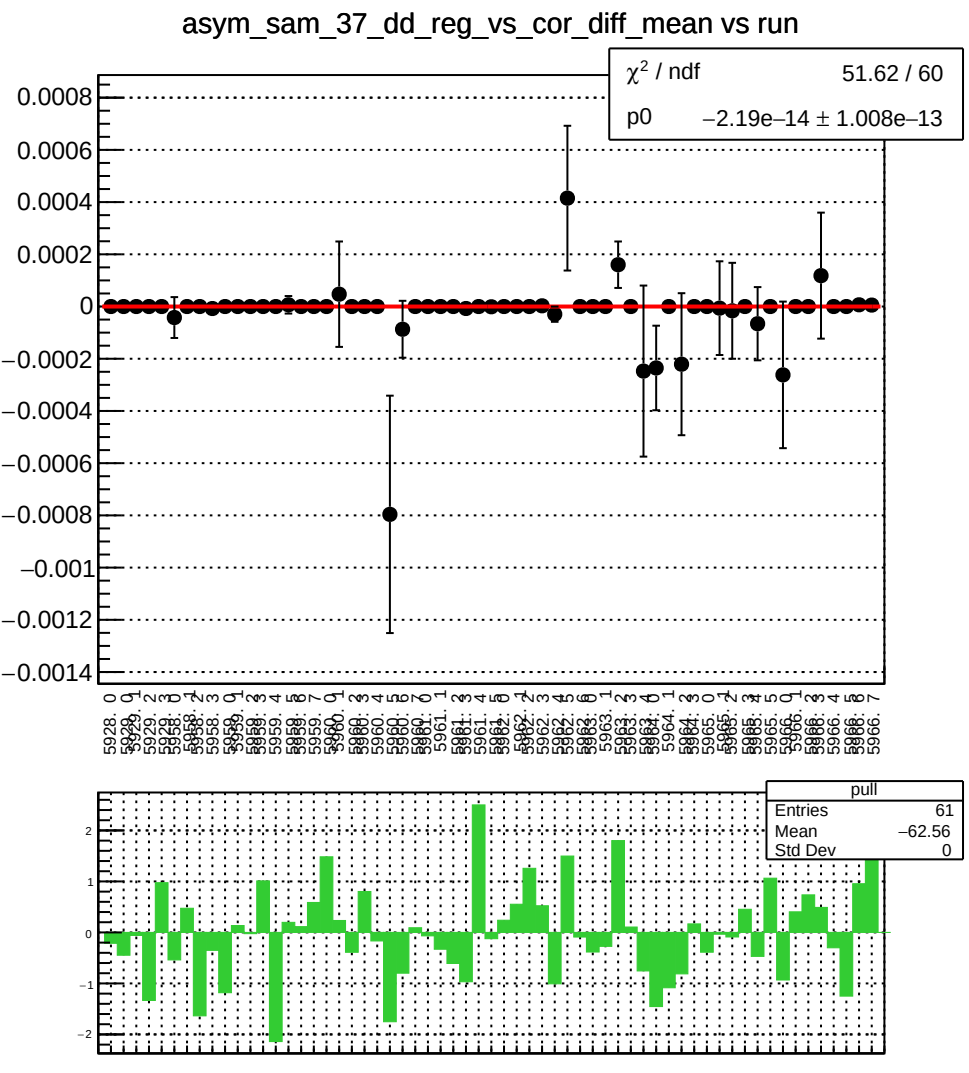

pull1D
Entries 61
Mean 0.01278
Std Dev 1.12

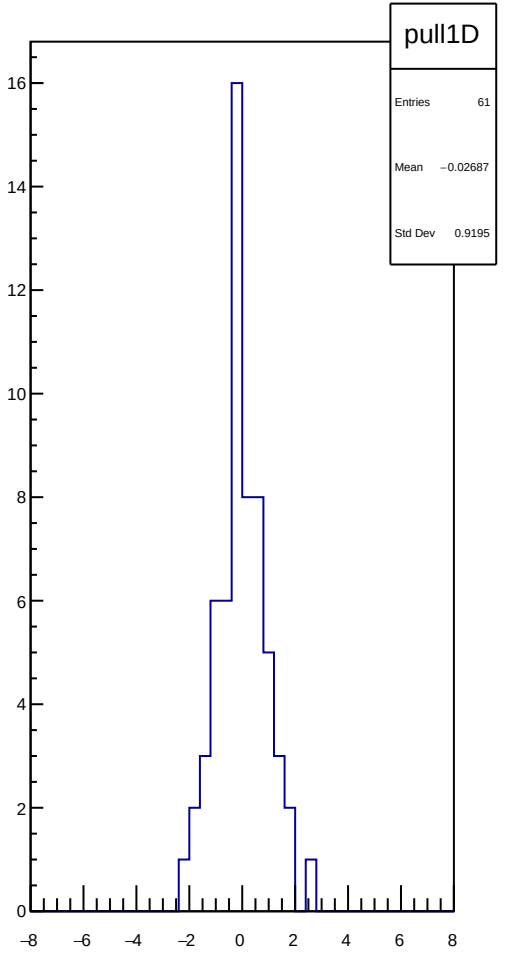

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3534 / 60
p0 830.9 ± 0.7619
950
900
850
800
750

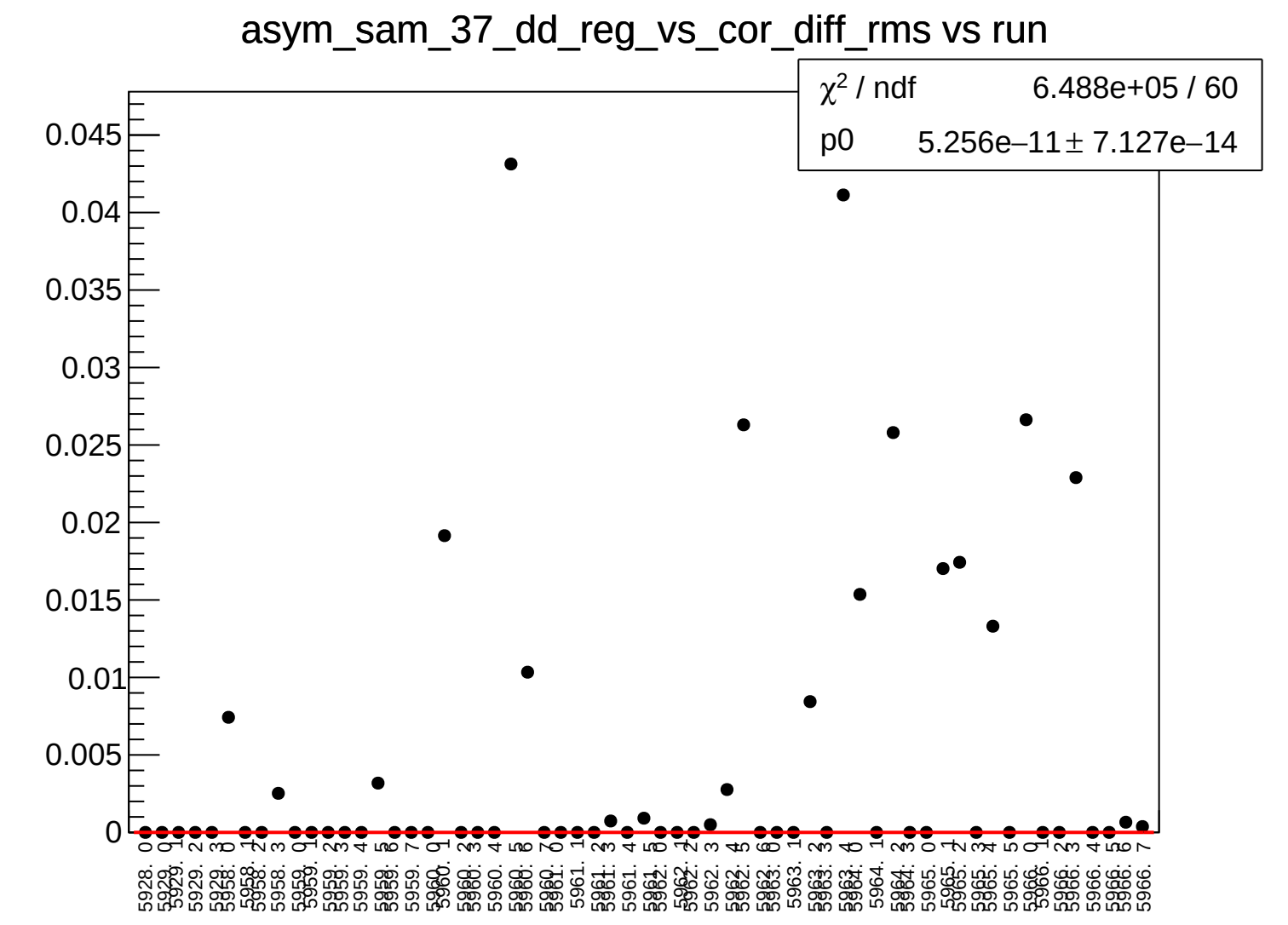

asym_sam_37_dd_mean vs run
χ² / ndf 75.42 / 60
p0 1063 ± 1153
pull
Entries 61
Mean 112.4
Std Dev 0

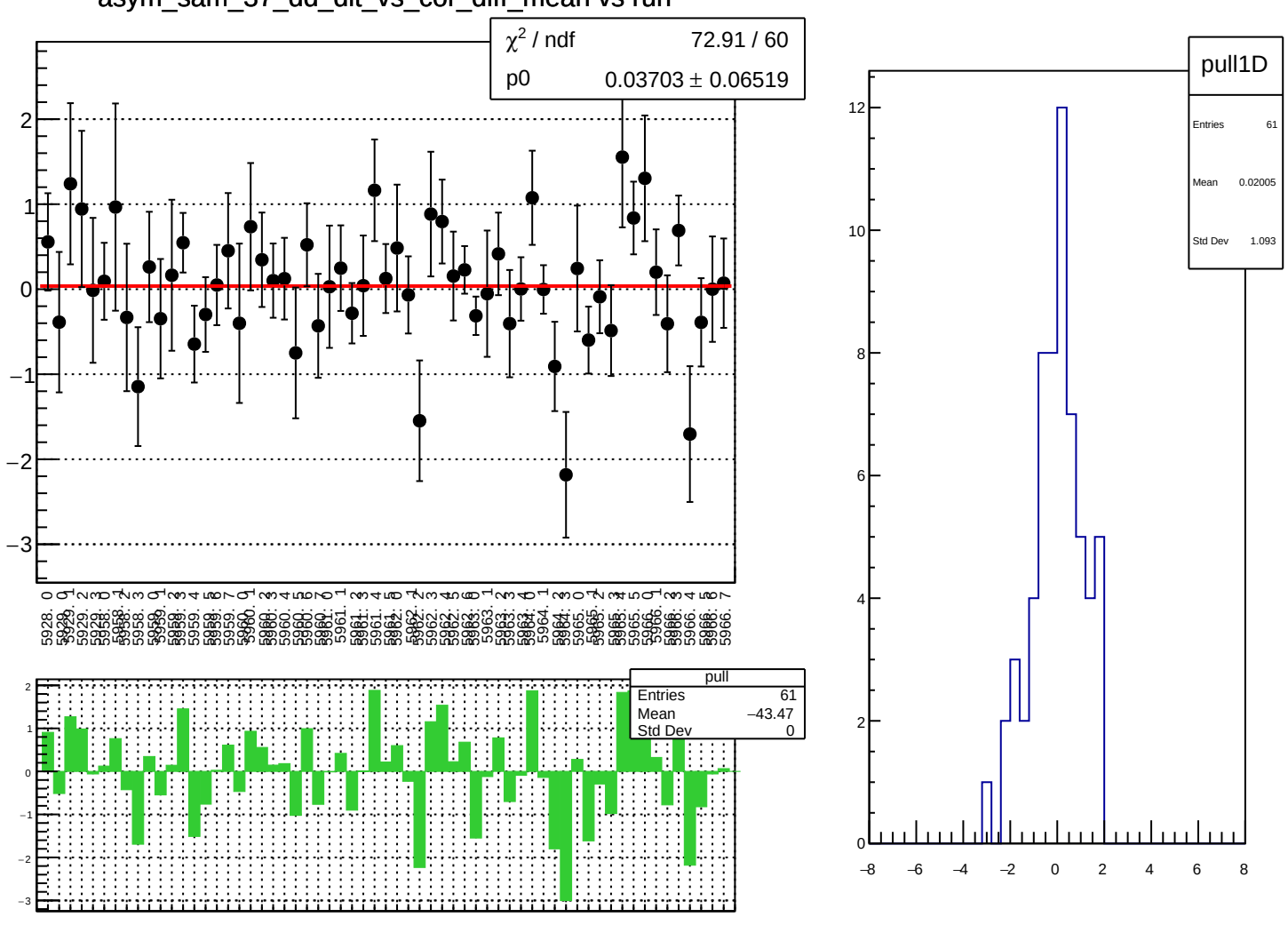

pull1D
Entries 61
Mean −0.01093
Std Dev 1.112

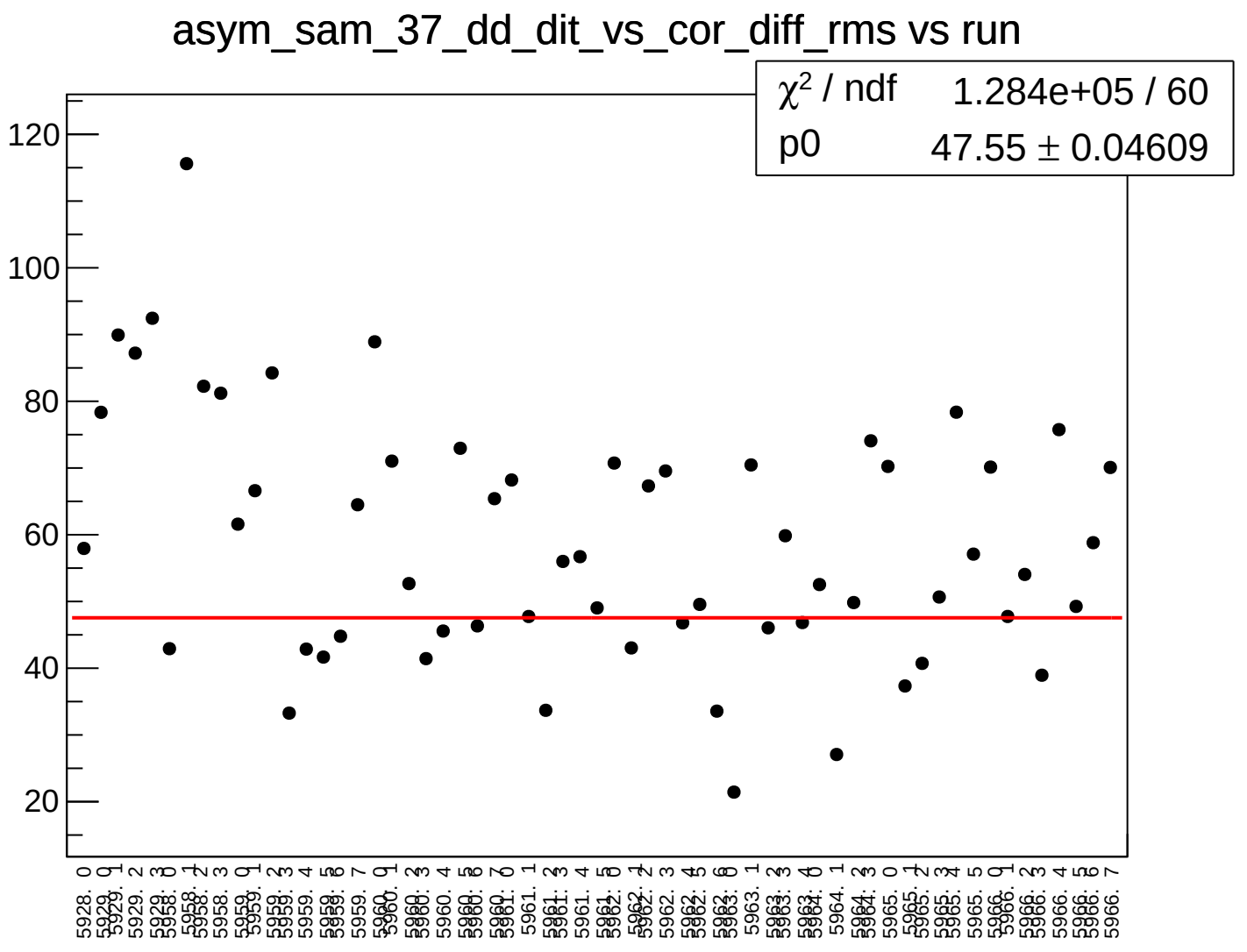

asym_sam_37_dd_rms vs run
χ² / ndf 4002 / 60
p0 889.2 ± 0.8155
1000
950
900
850
800

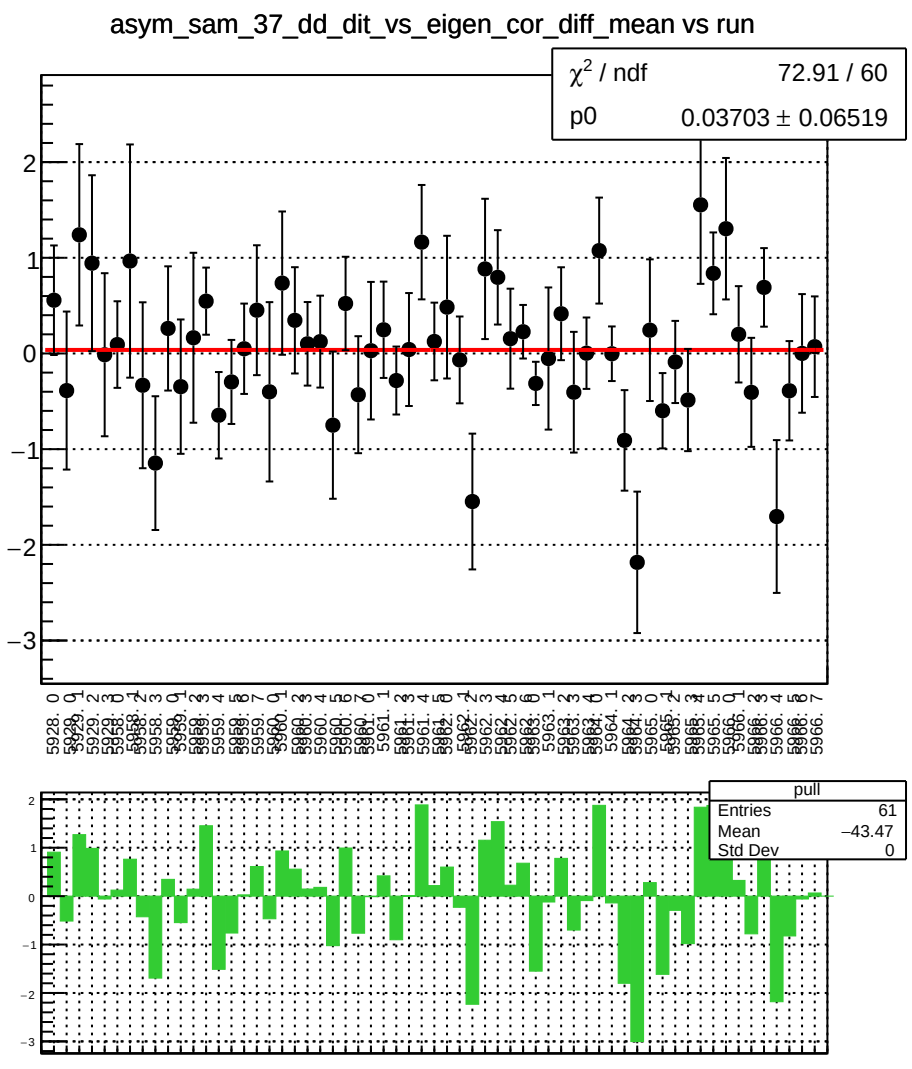

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.62 / 60
p0 −2.19e−14 ± 1.008e−13
pull
Entries 61
Mean −62.56
Std Dev 0

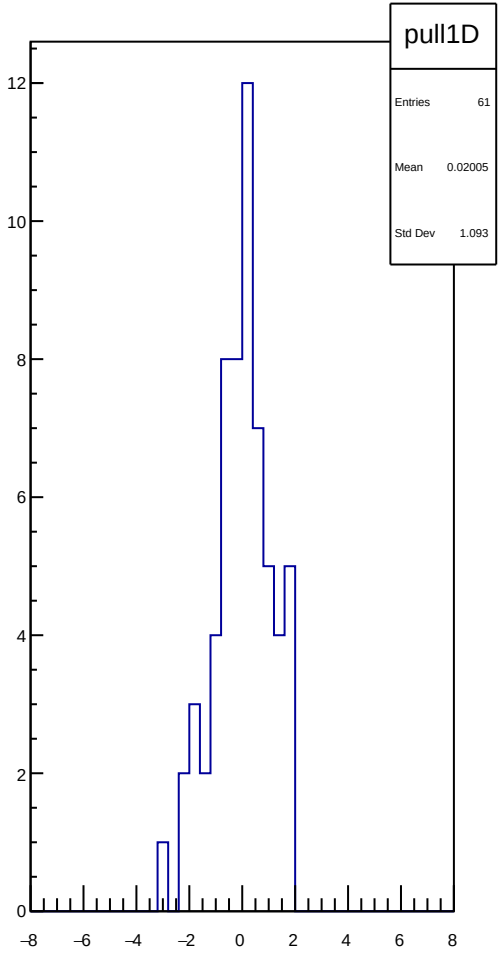

pull1D
Entries 61
Mean −0.02687
Std Dev 0.9195

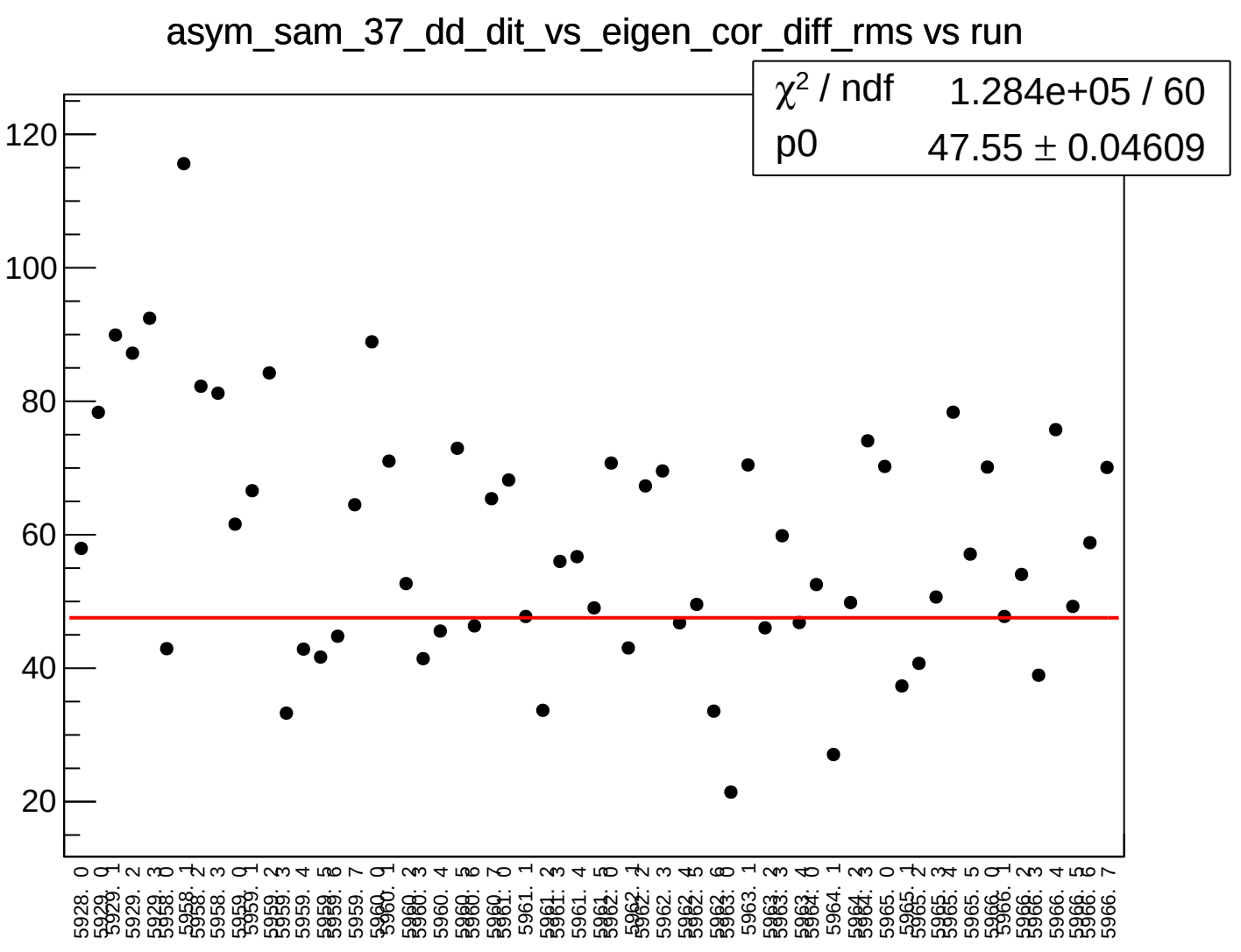

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 6.488e+05 / 60
p0 5.256e−11 ± 7.127e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

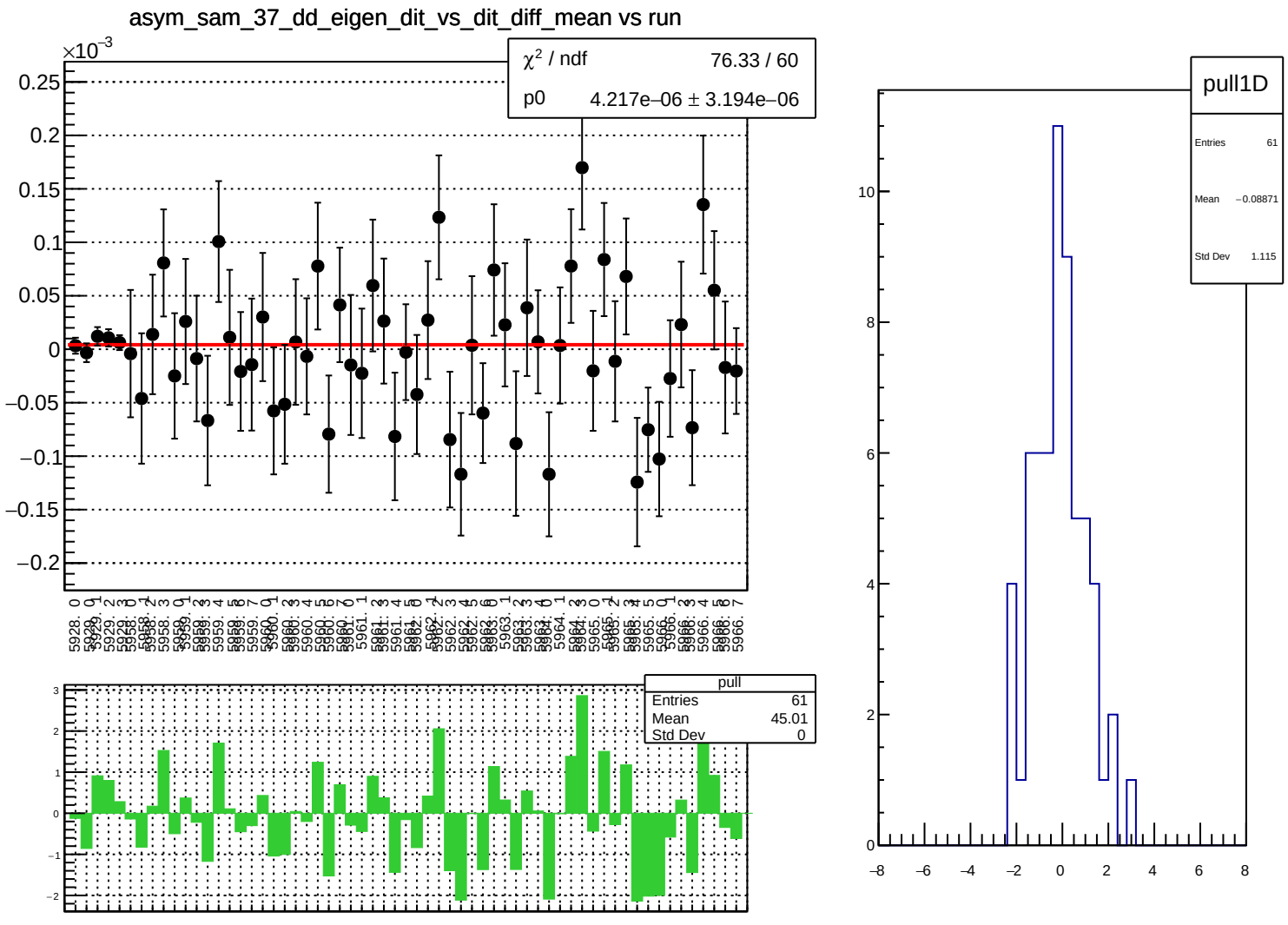

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.91 / 60
p0 0.03703 ± 0.06519
pull
Entries 61
Mean −43.47
Std Dev 0
pull1D
Entries 61
Mean 0.02005
Std Dev 1.093

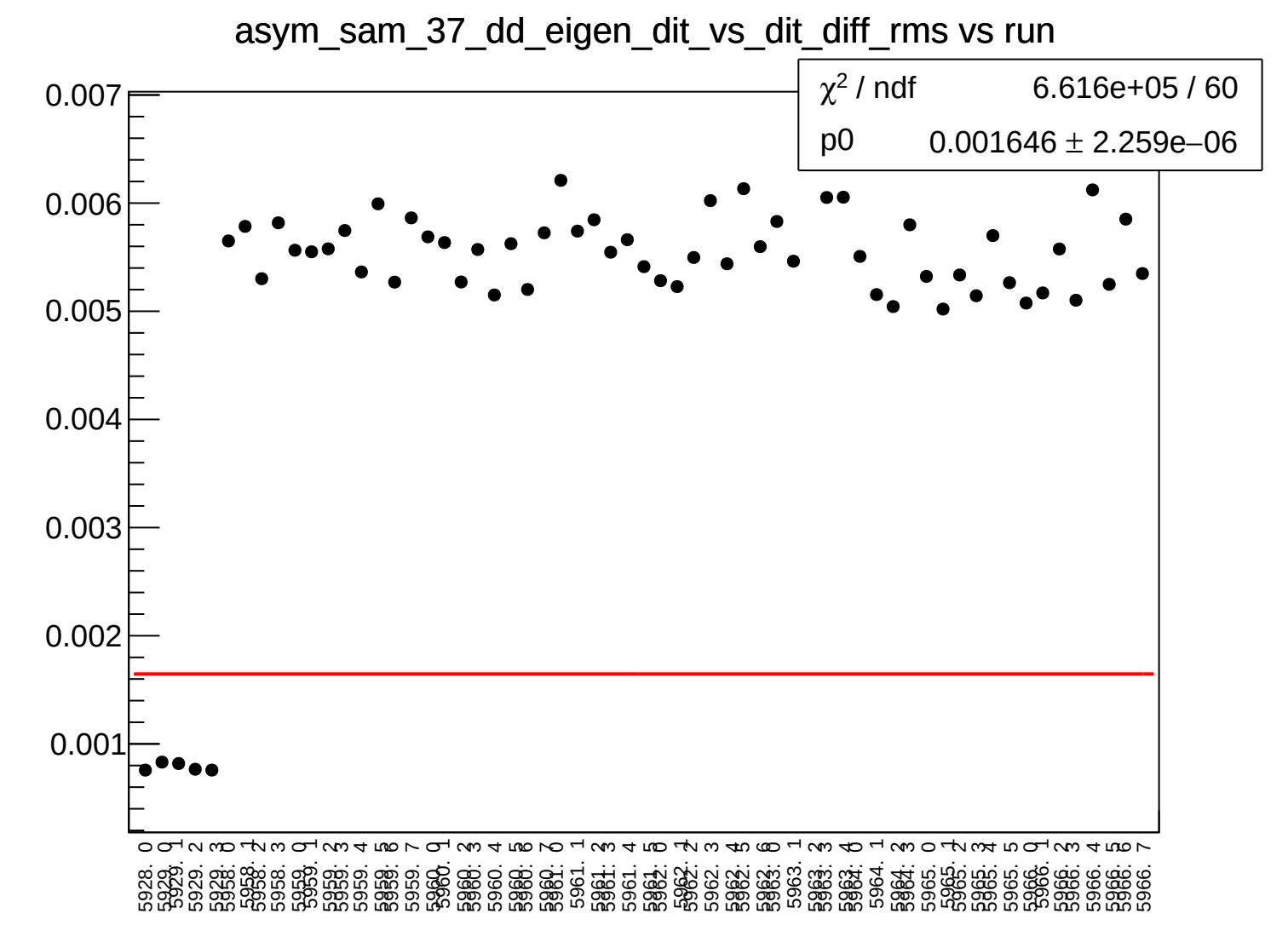

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 60
p0 47.55 ± 0.04609
120
100
80
60
40
20

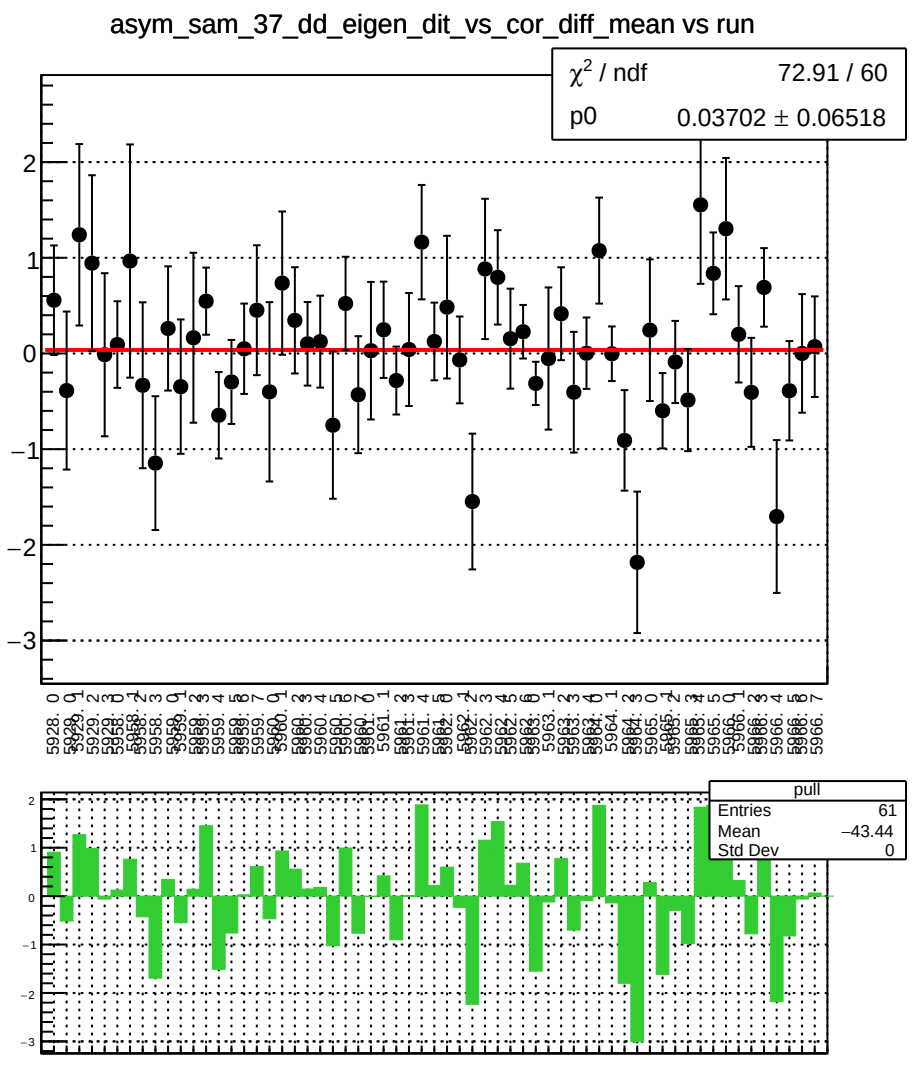

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.91 / 60
p0 0.03703 ± 0.06519
pull
Entries 61
Mean −43.47
Std Dev 0

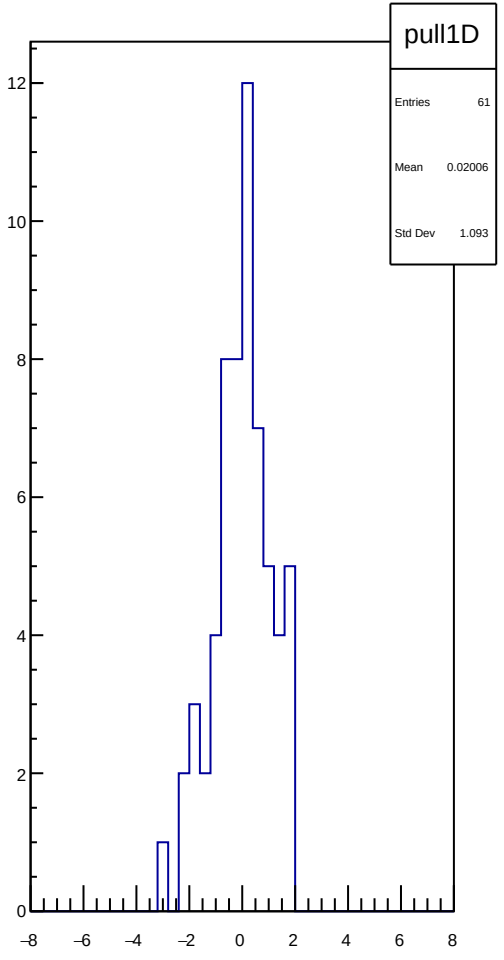

pull1D
Entries 61
Mean 0.02005
Std Dev 1.093

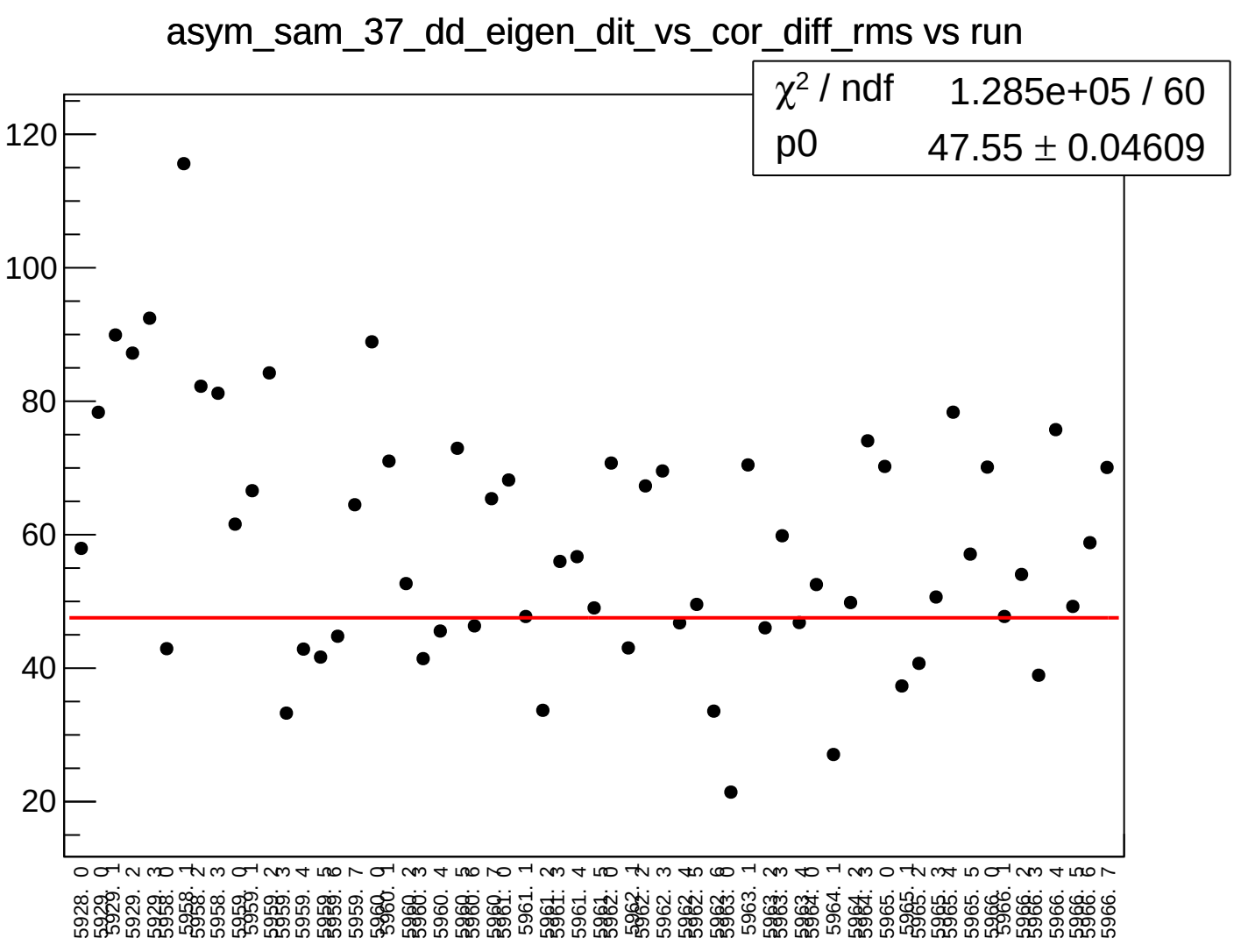

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.284e+05 / 60
p0 47.55 ± 0.04609
120
100
80
60
40
20

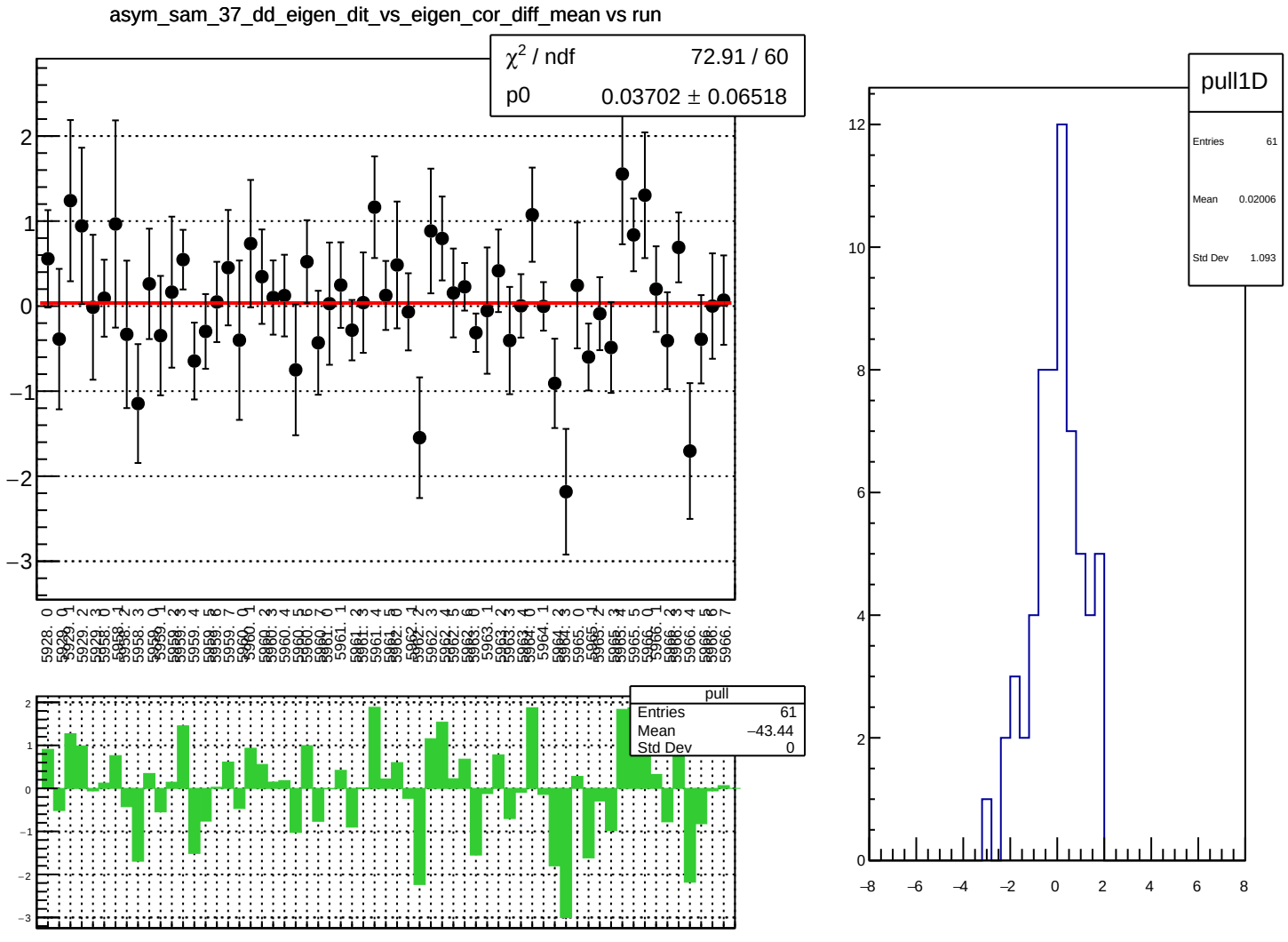

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.33 / 60
p0 4.217e−06 ± 3.194e−06
pull
Entries 61
Mean 45.01
Std Dev 0
pull1D
Entries 61
Mean −0.08871
Std Dev 1.115

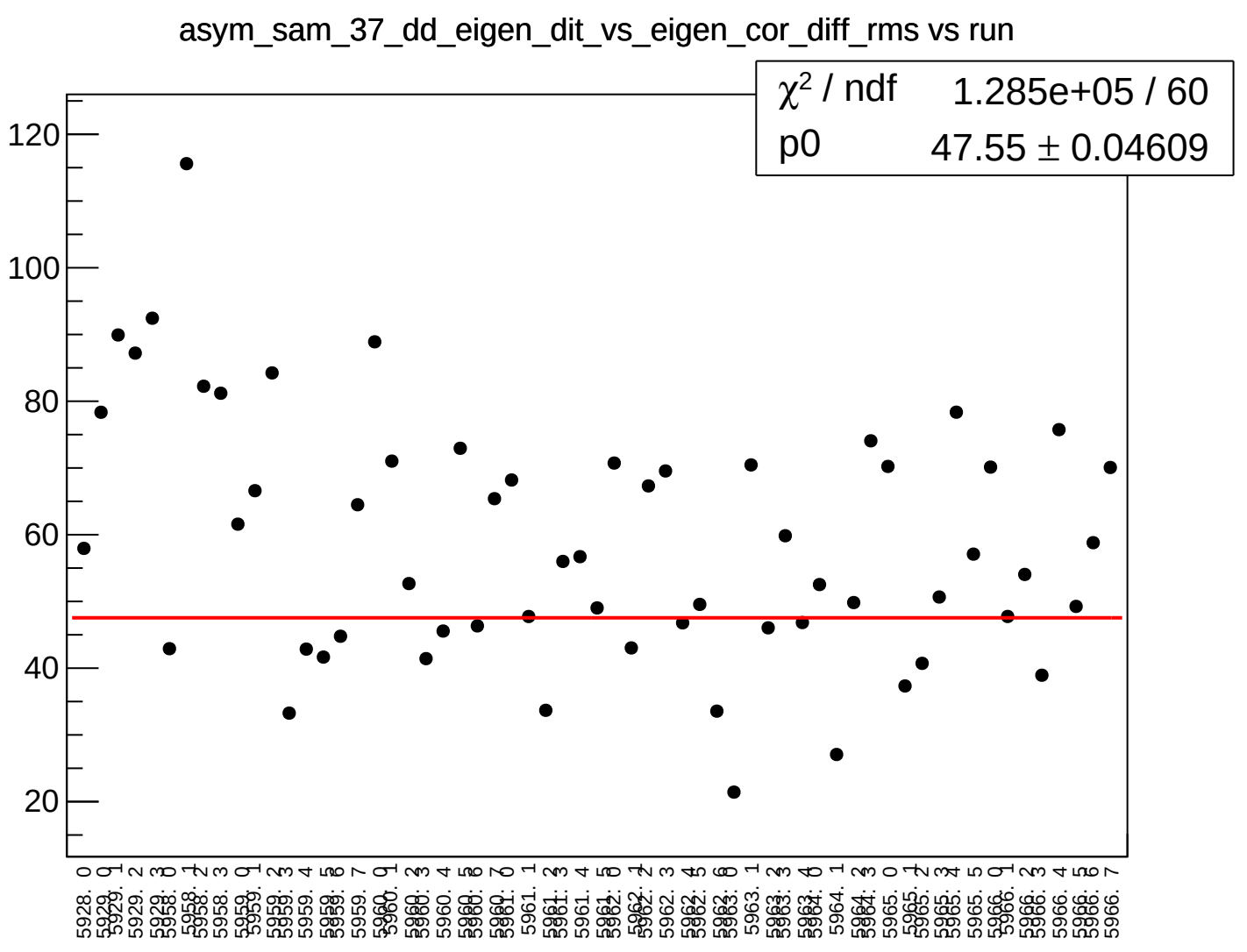

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6.616e+05 / 60
p0 0.001646 ± 2.259e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001

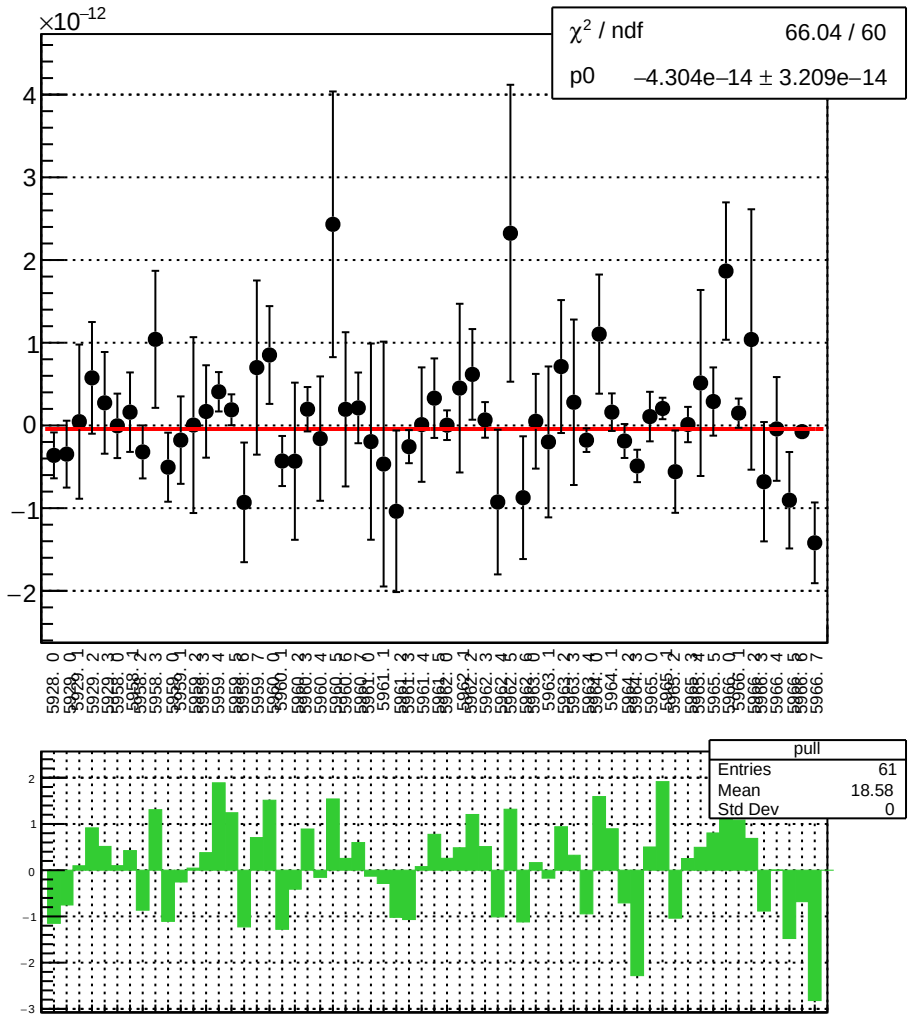

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.91 / 60
p0 0.03702 ± 0.06518
pull
Entries 61
Mean −43.44
Std Dev 0

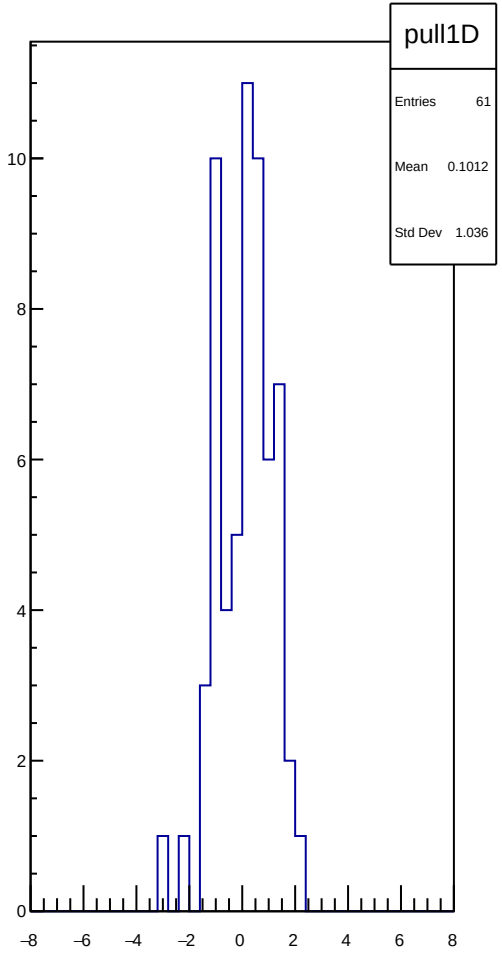

pull1D
Entries 61
Mean 0.02006
Std Dev 1.093

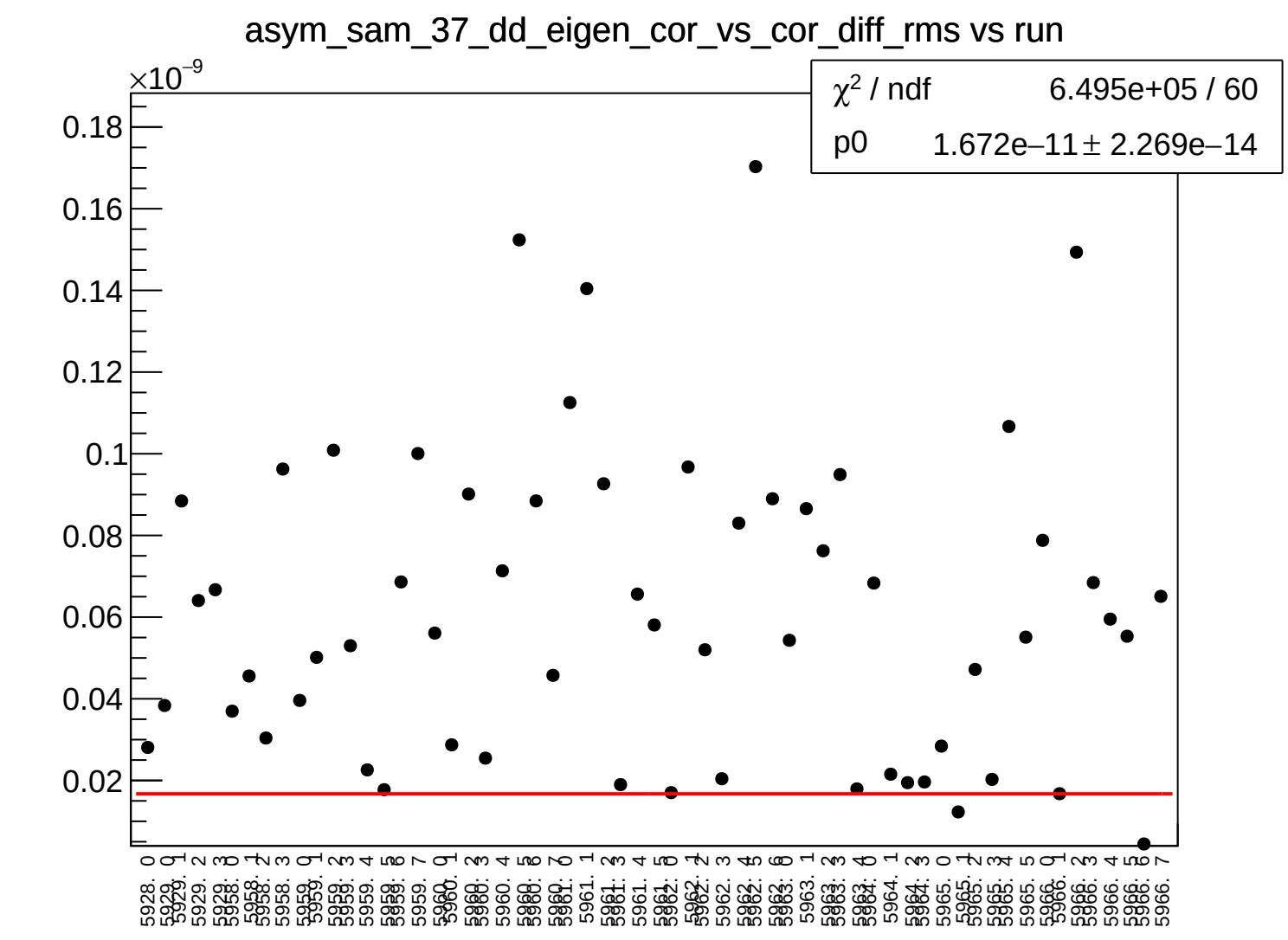

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.285e+05 / 60
p0 47.55 ± 0.04609
120
100
80
60
40
20

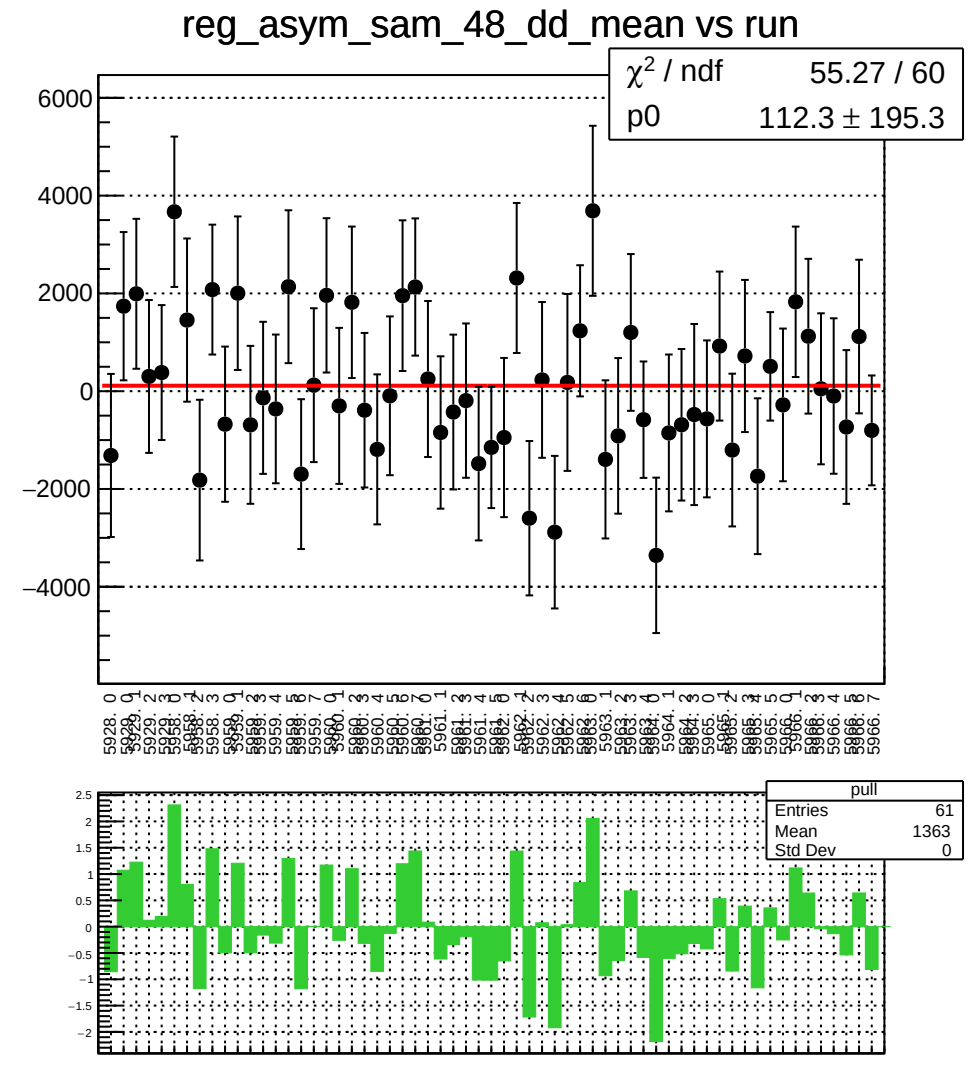

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.91 / 60
p0 0.03702 ± 0.06518
pull
Entries 61
Mean −43.44
Std Dev 0
pull1D
Entries 61
Mean 0.02006
Std Dev 1.093

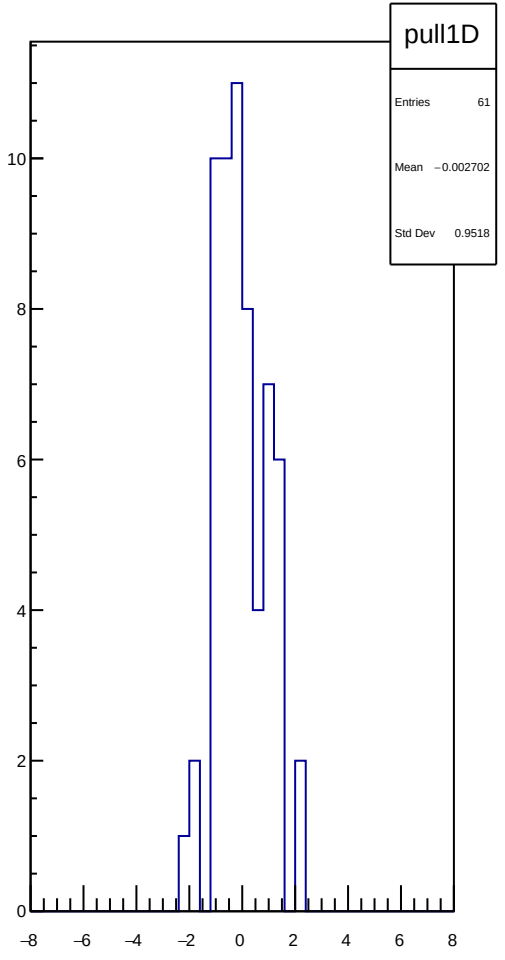

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.285e+05 / 60
p0 47.55 ± 0.04609
120
100
80
60
40
20

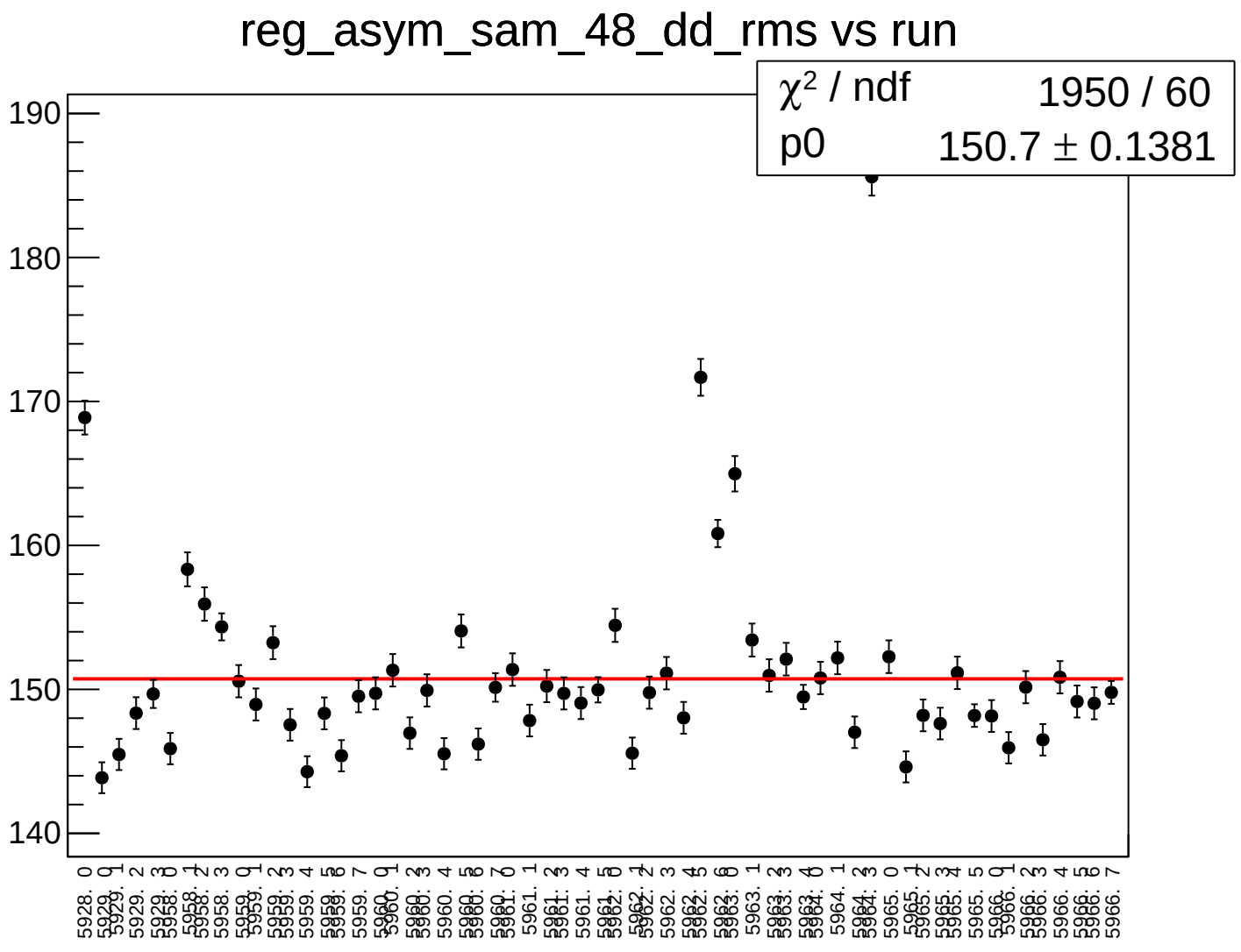

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.04 / 60
p0 −4.304e−14 ± 3.209e−14
pull
Entries 61
Mean 18.58
Std Dev 0

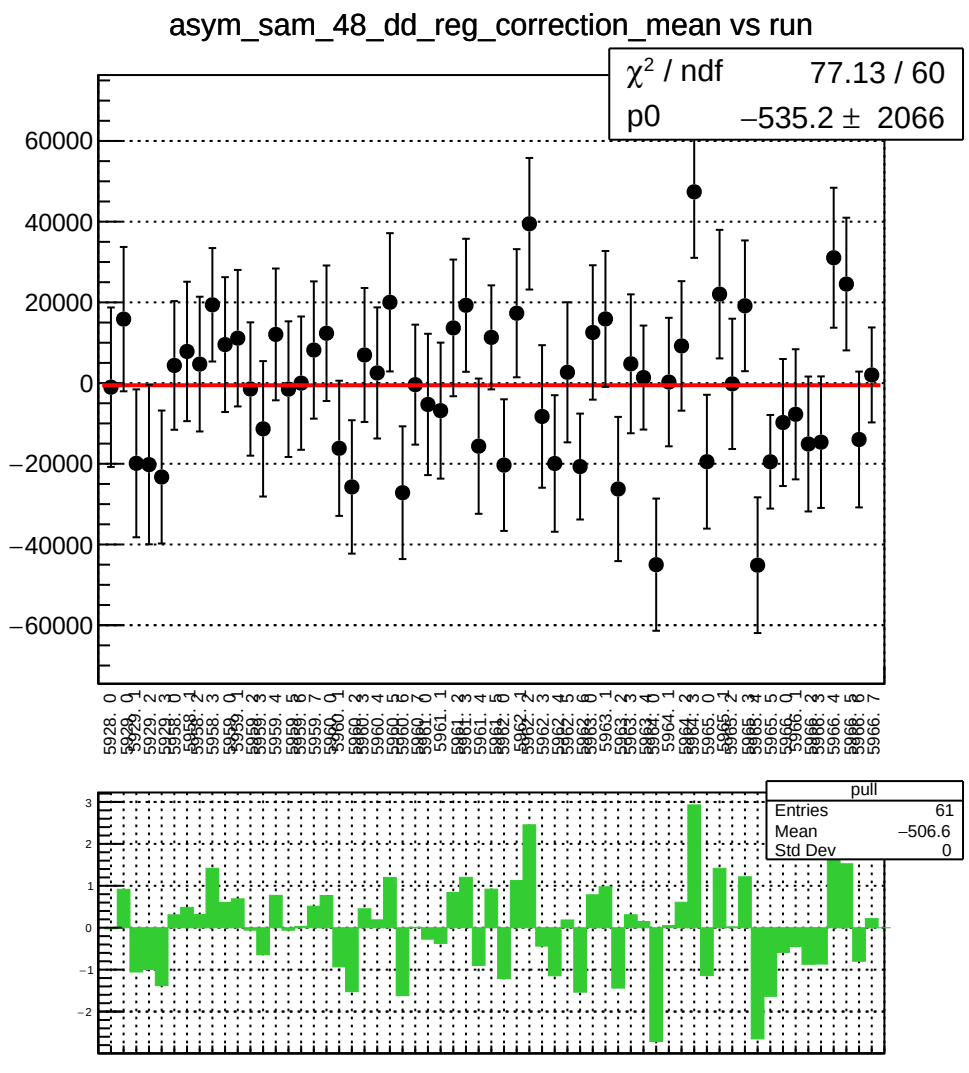

pull1D
Entries 61
Mean 0.1012
Std Dev 1.036

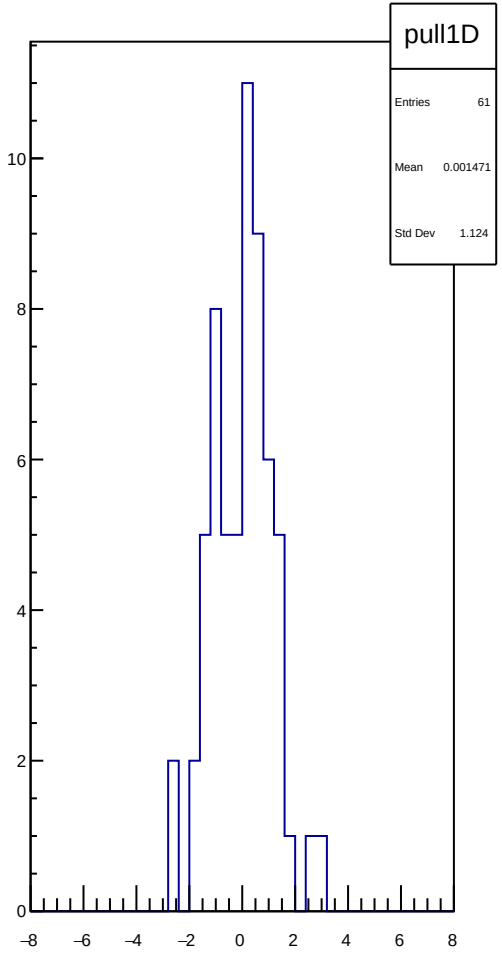

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.495e+05 / 60
p0 1.672e−11 ± 2.269e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

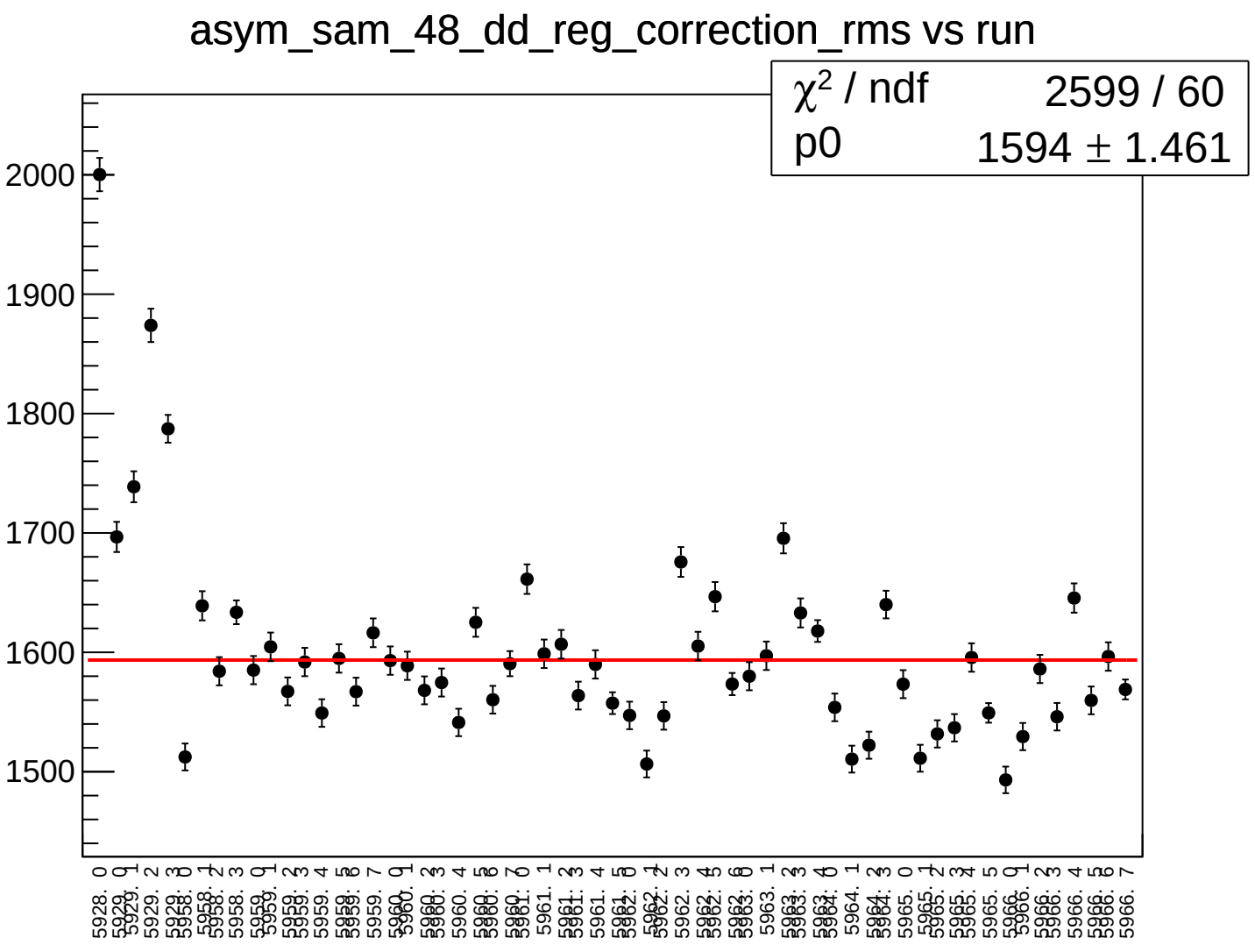

reg_asym_sam_48_dd_mean vs run
χ² / ndf 55.27 / 60
p0 112.3 ± 195.3
pull
Entries 61
Mean 1363
Std Dev 0

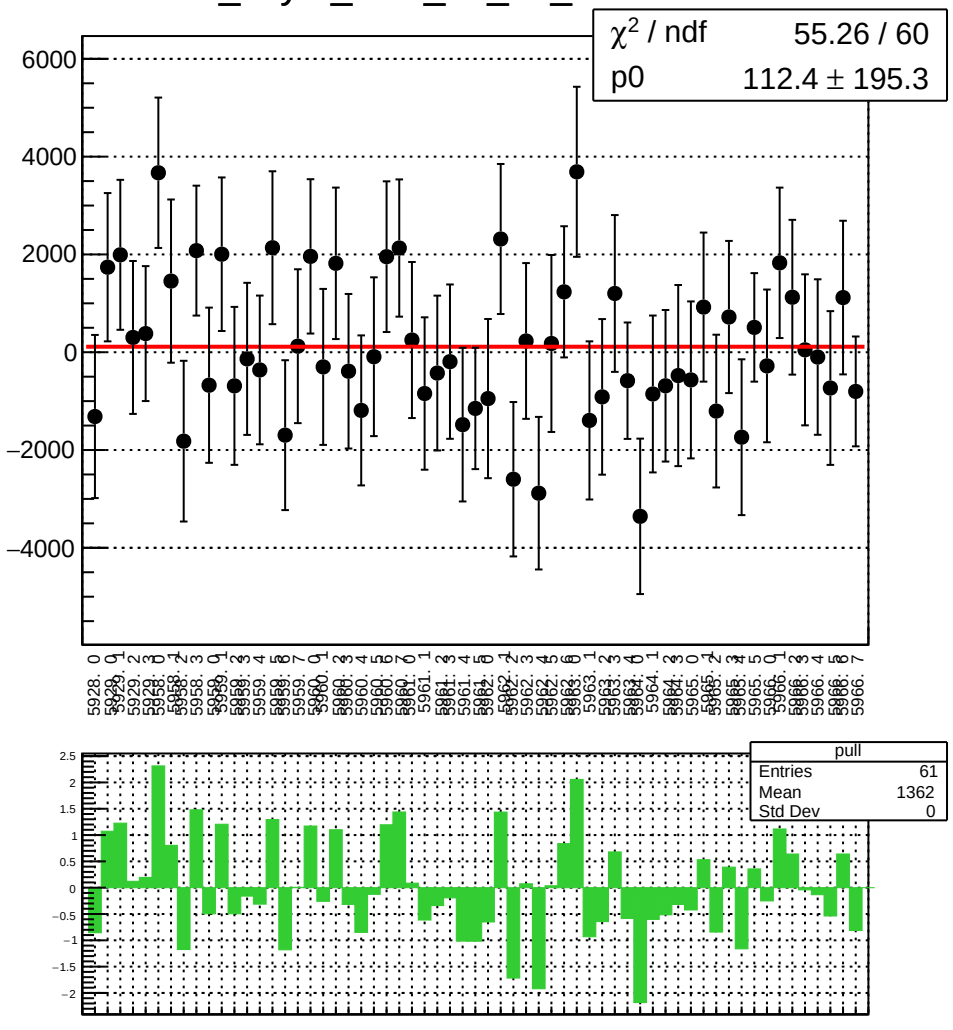

pull1D
Entries 61
Mean −0.002702
Std Dev 0.9518

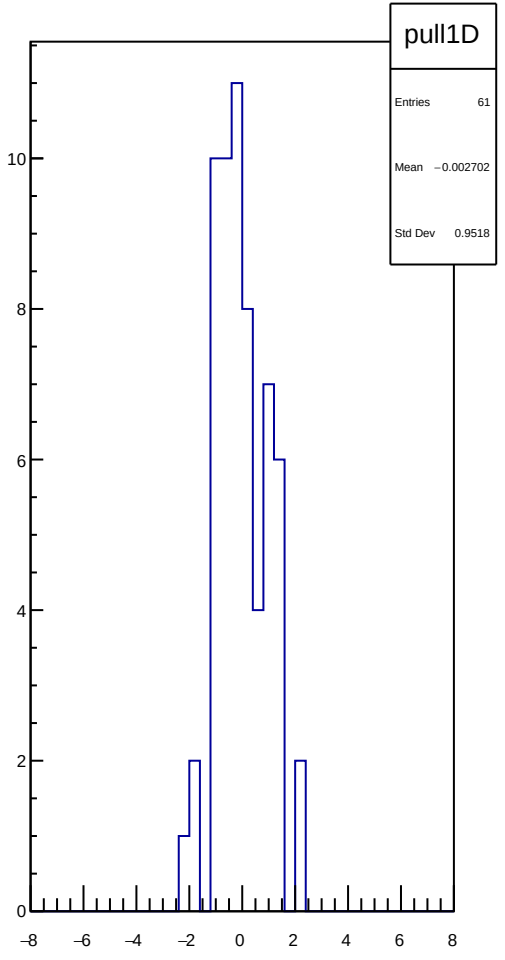

reg_asym_sam_48_dd_rms vs run
χ² / ndf 1950 / 60
p0 150.7 ± 0.1381
190
180
170
160
150
140

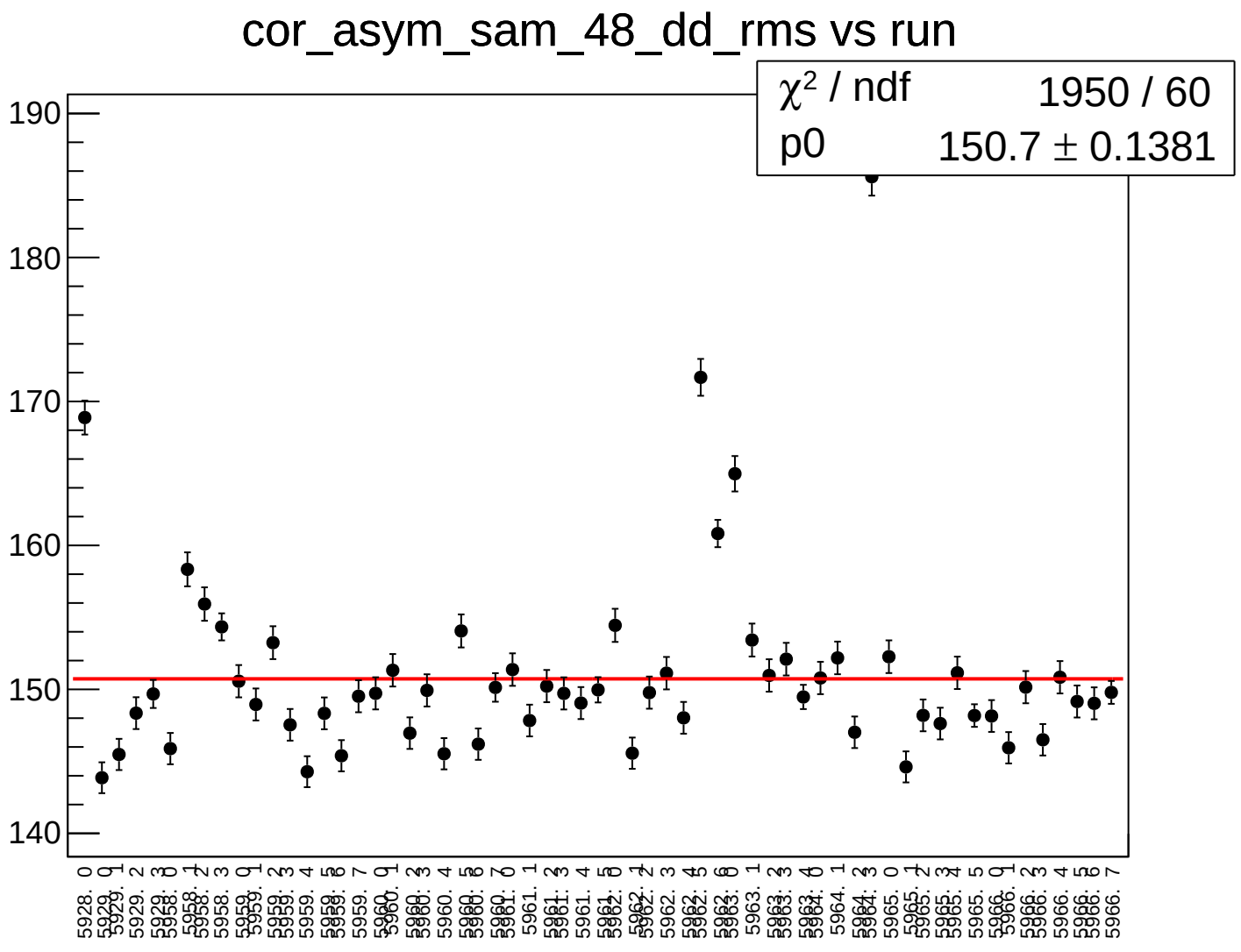

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 77.13 / 60
p0 −535.2 ± 2066
pull
Entries 61
Mean −506.6
Std Dev 0

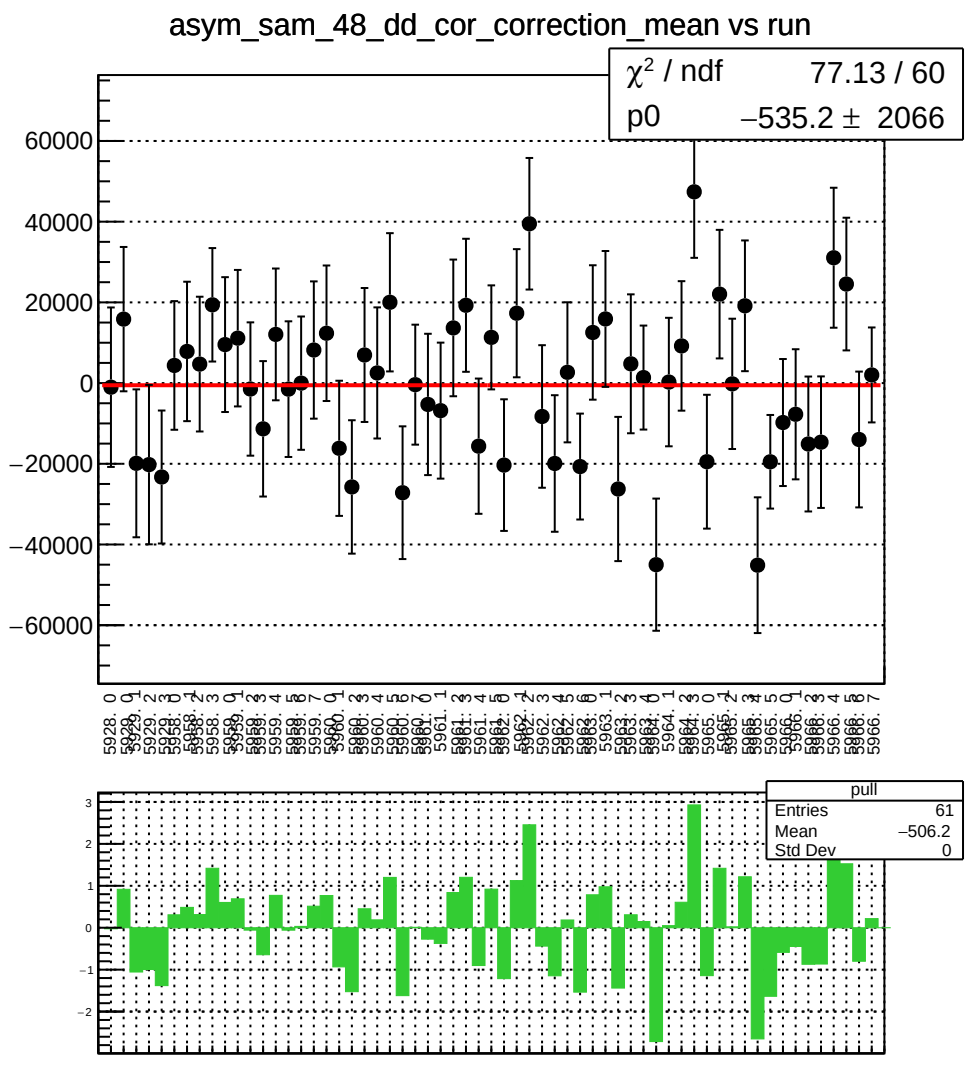

pull1D
Entries 61
Mean 0.001471
Std Dev 1.124

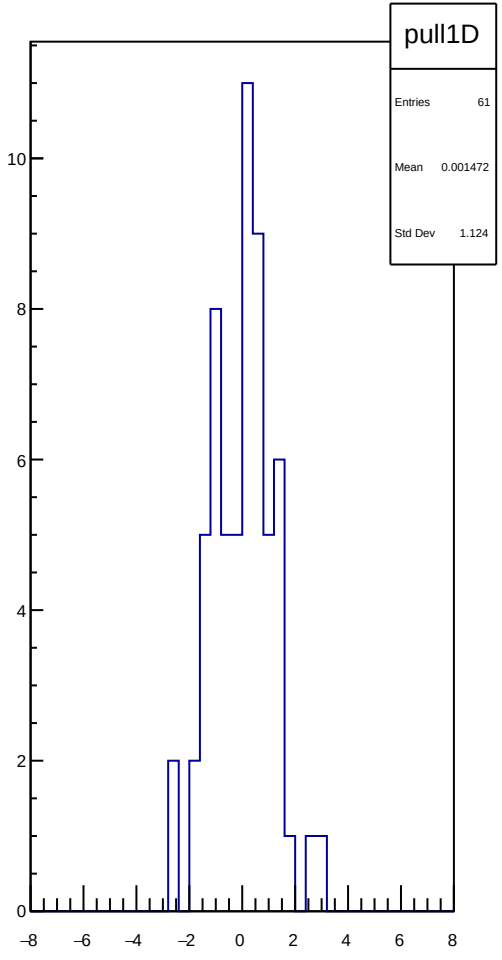

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 2599 / 60
p0 1594 ± 1.461
2000
1900
1800
1700
1600
1500

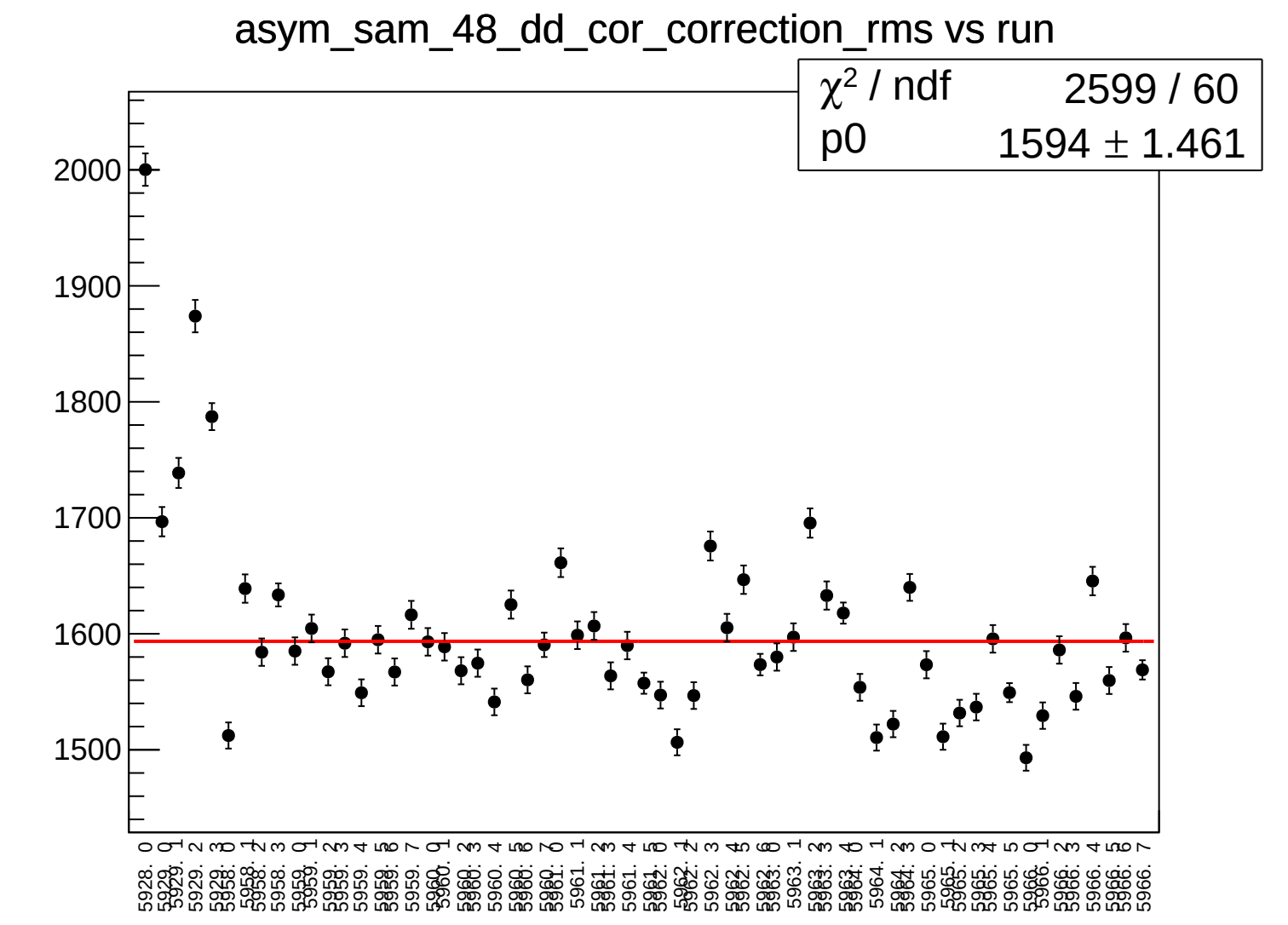

cor_asym_sam_48_dd_mean vs run
χ² / ndf 55.26 / 60
p0 112.4 ± 195.3
pull
Entries 61
Mean 1362
Std Dev 0

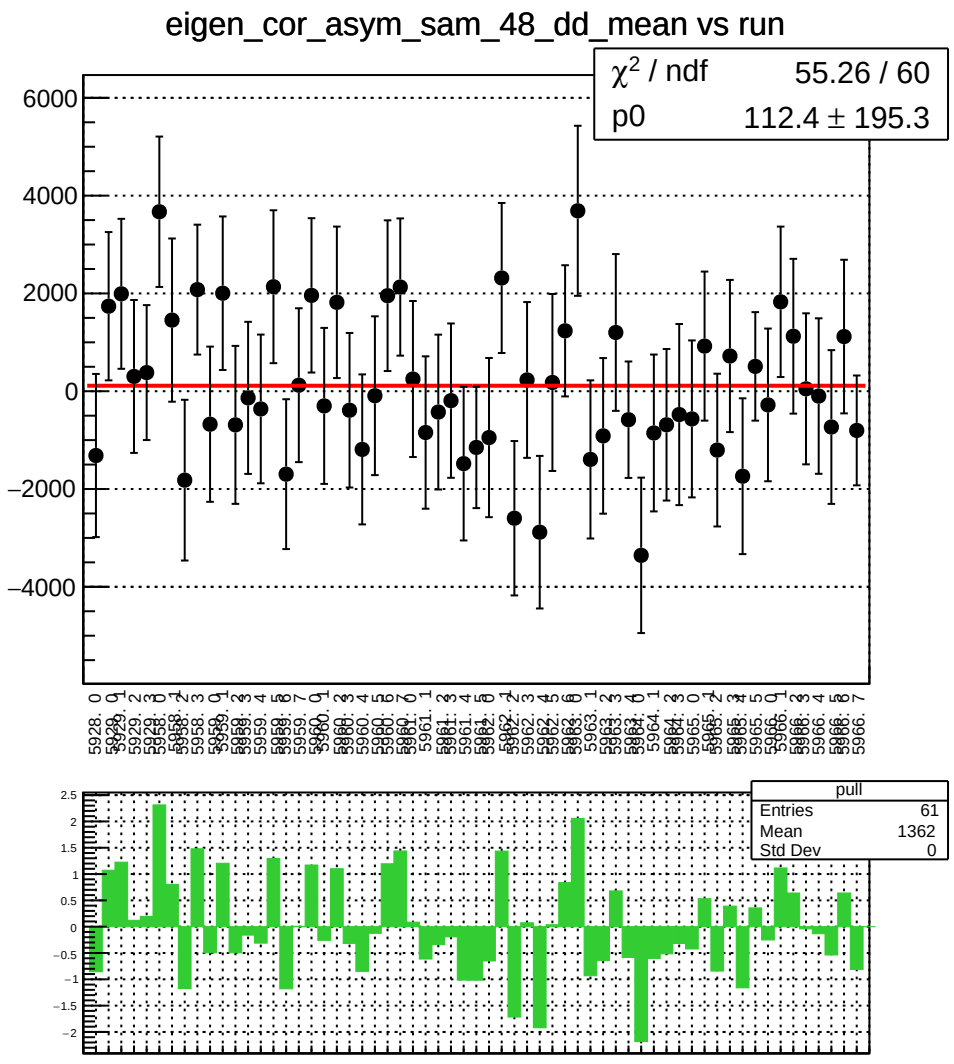

pull1D
Entries 61
Mean −0.002702
Std Dev 0.9518

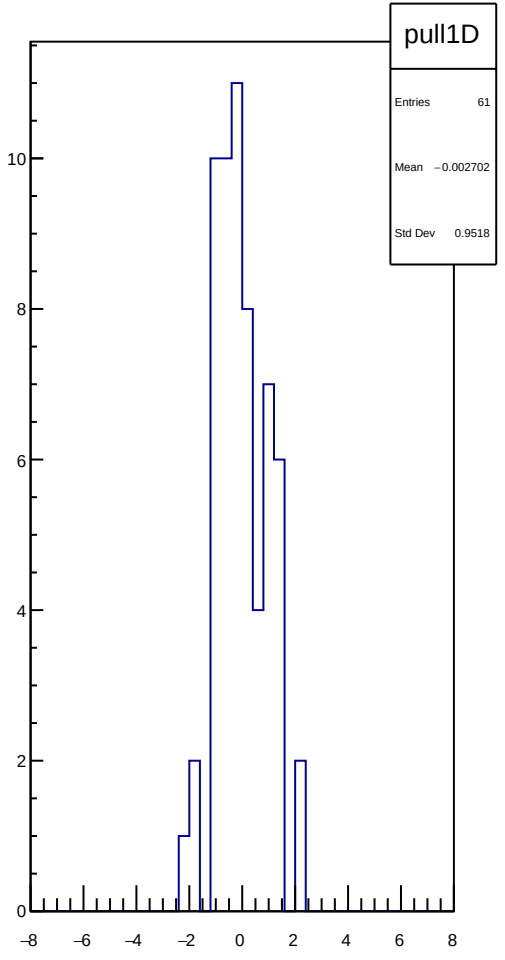

cor_asym_sam_48_dd_rms vs run
χ² / ndf 1950 / 60
p0 150.7 ± 0.1381
190
180
170
160
150
140

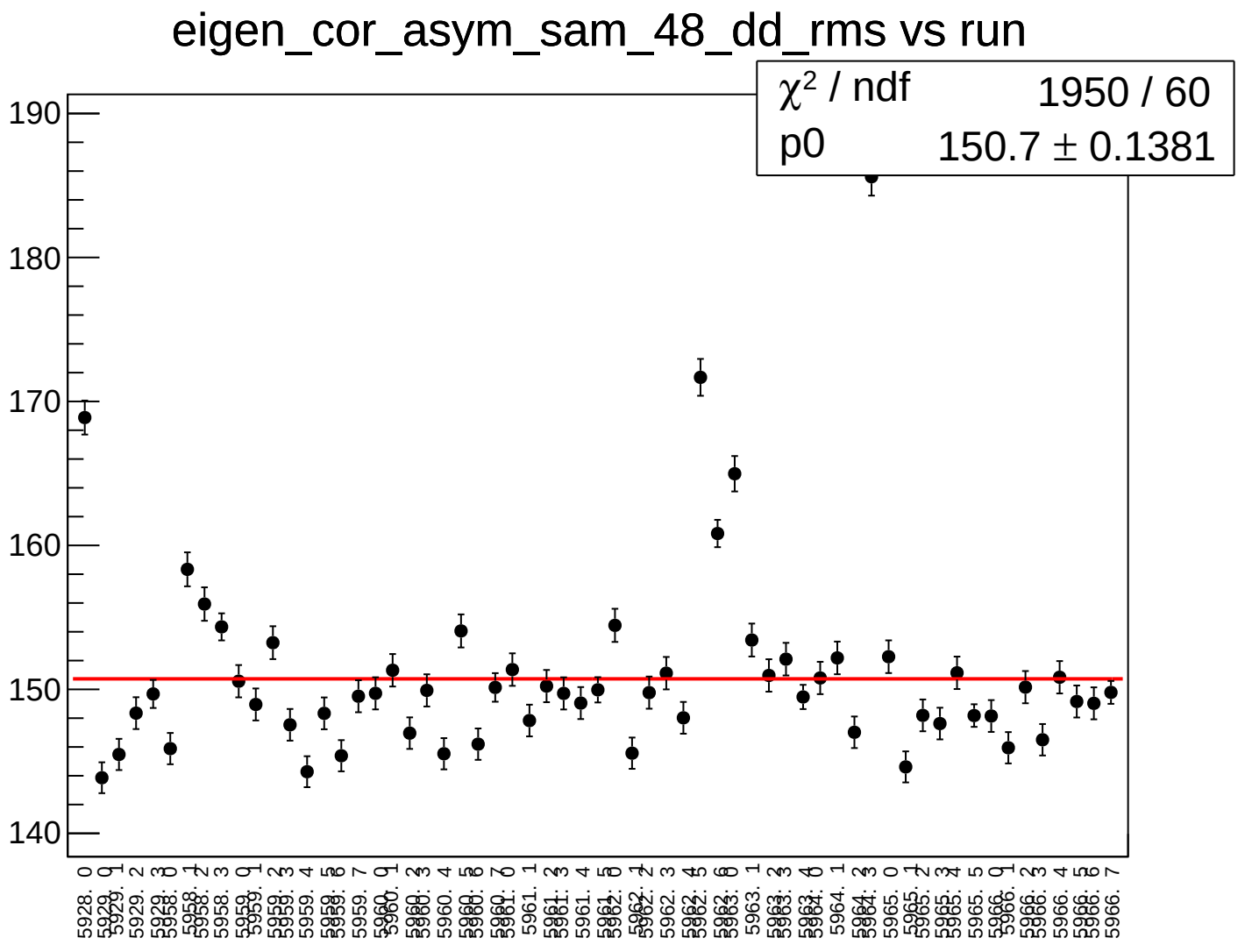

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 77.13 / 60
p0 −535.2 ± 2066
pull
Entries 61
Mean −506.2
Std Dev 0

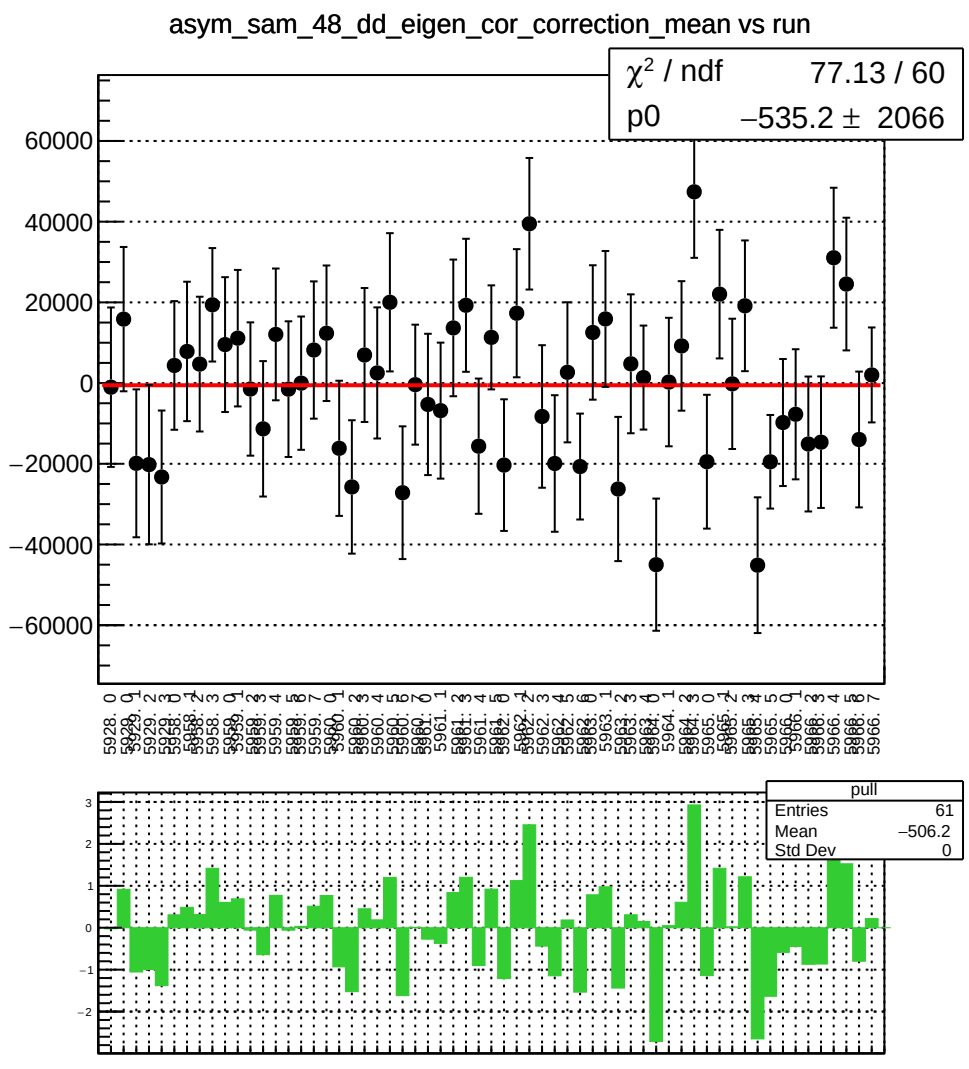

pull1D
Entries 61
Mean 0.001472
Std Dev 1.124

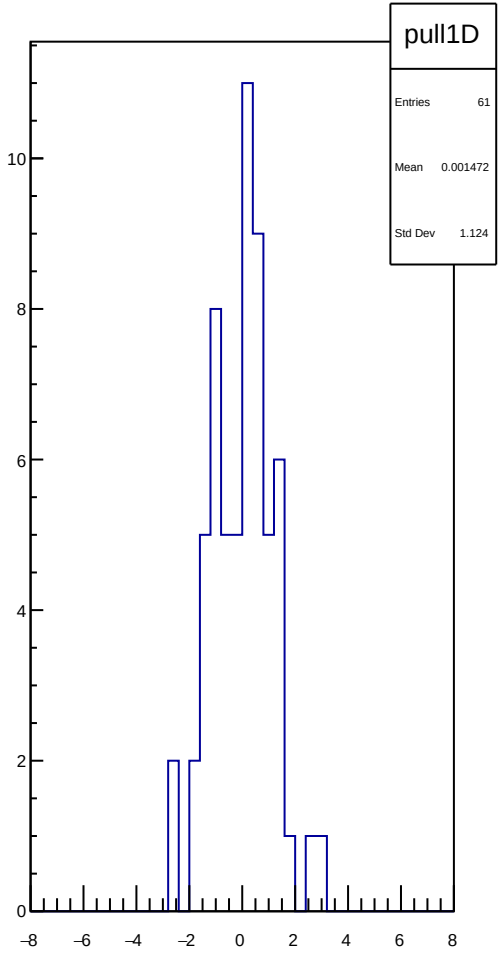

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 2599 / 60
p0 1594 ± 1.461
2000
1900
1800
1700
1600
1500

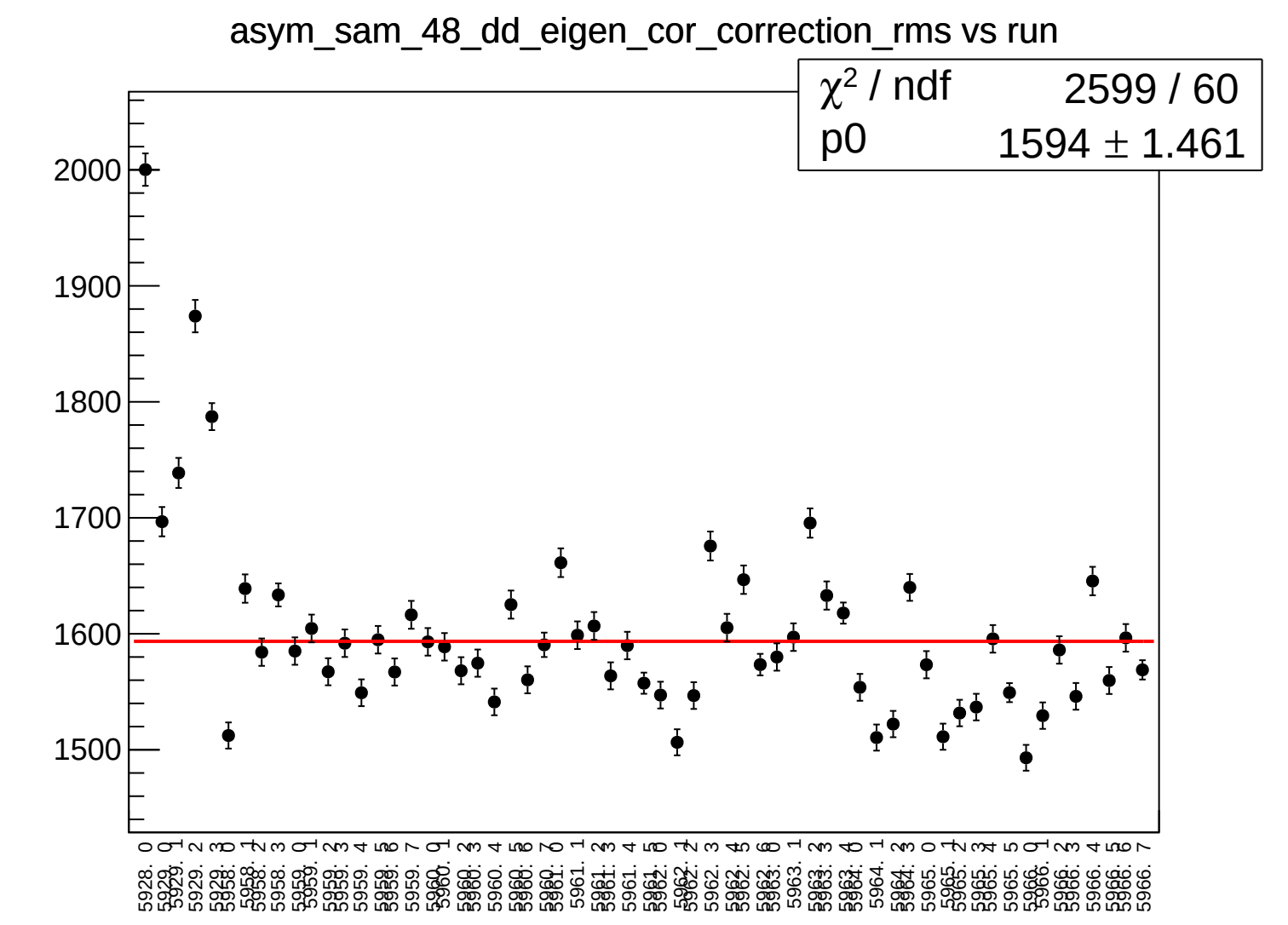

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 55.26 / 60
p0 112.4 ± 195.3
pull
Entries 61
Mean 1362
Std Dev 0

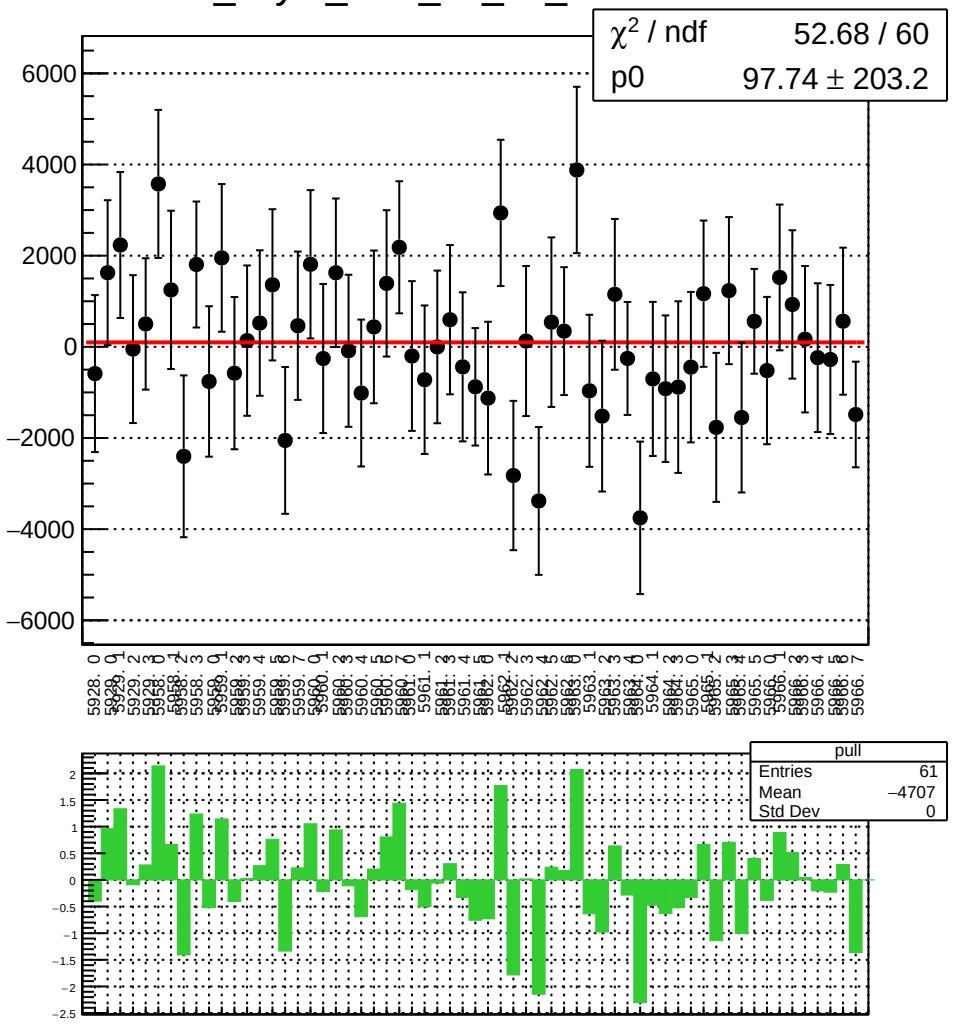

pull1D
Entries 61
Mean −0.002702
Std Dev 0.9518

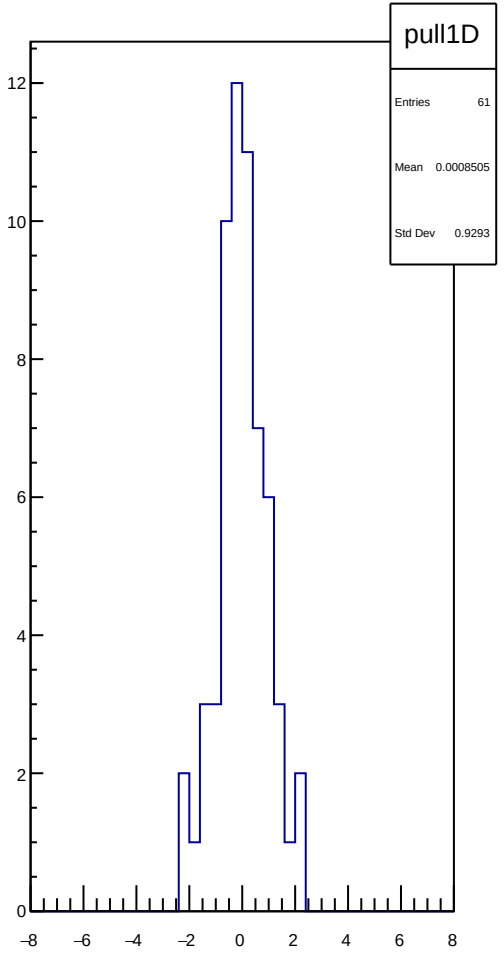

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 1950 / 60
p0 150.7 ± 0.1381
190
180
170
160
150
140

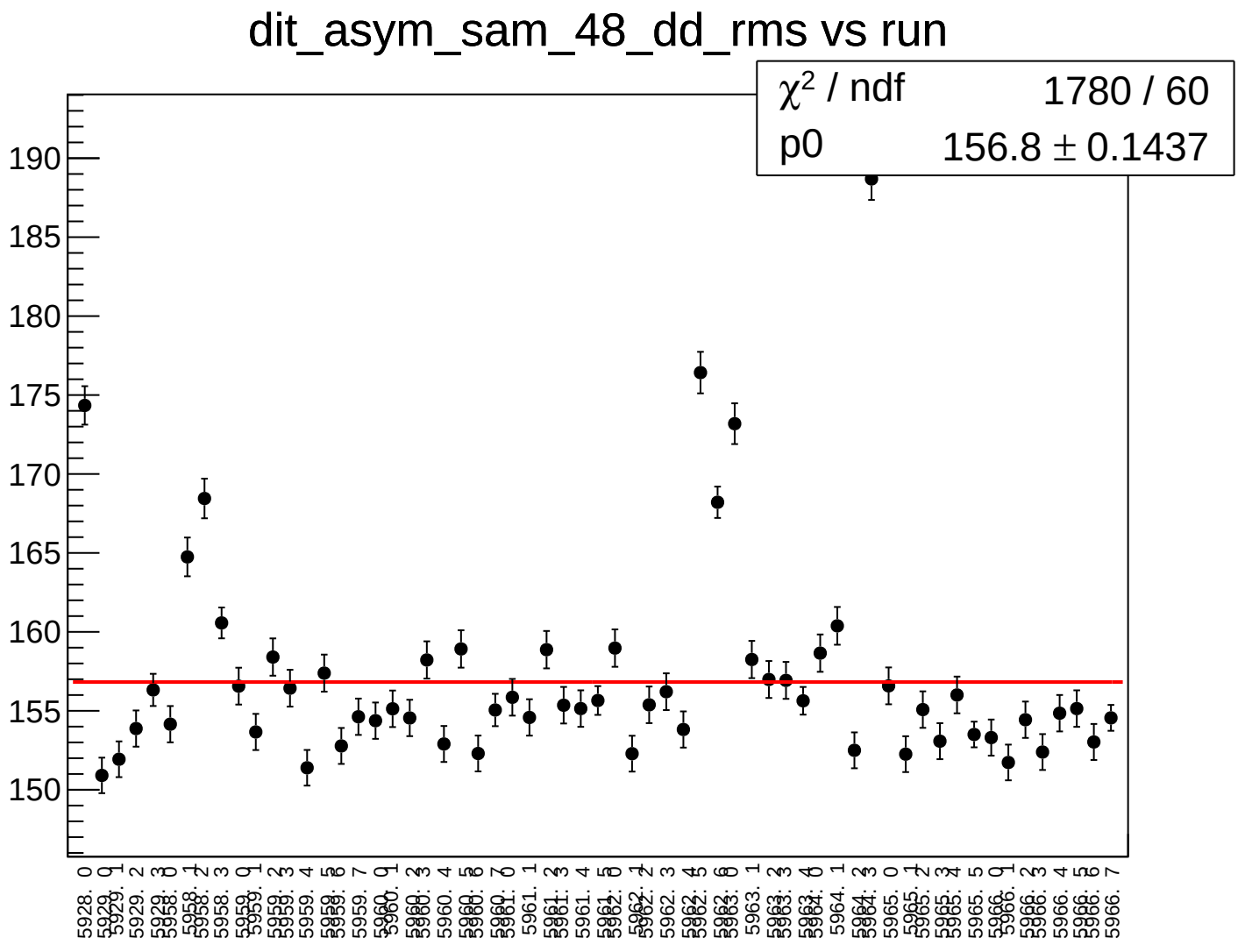

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.13 / 60
p0 −535.2 ± 2066
pull
Entries 61
Mean −506.2
Std Dev 0

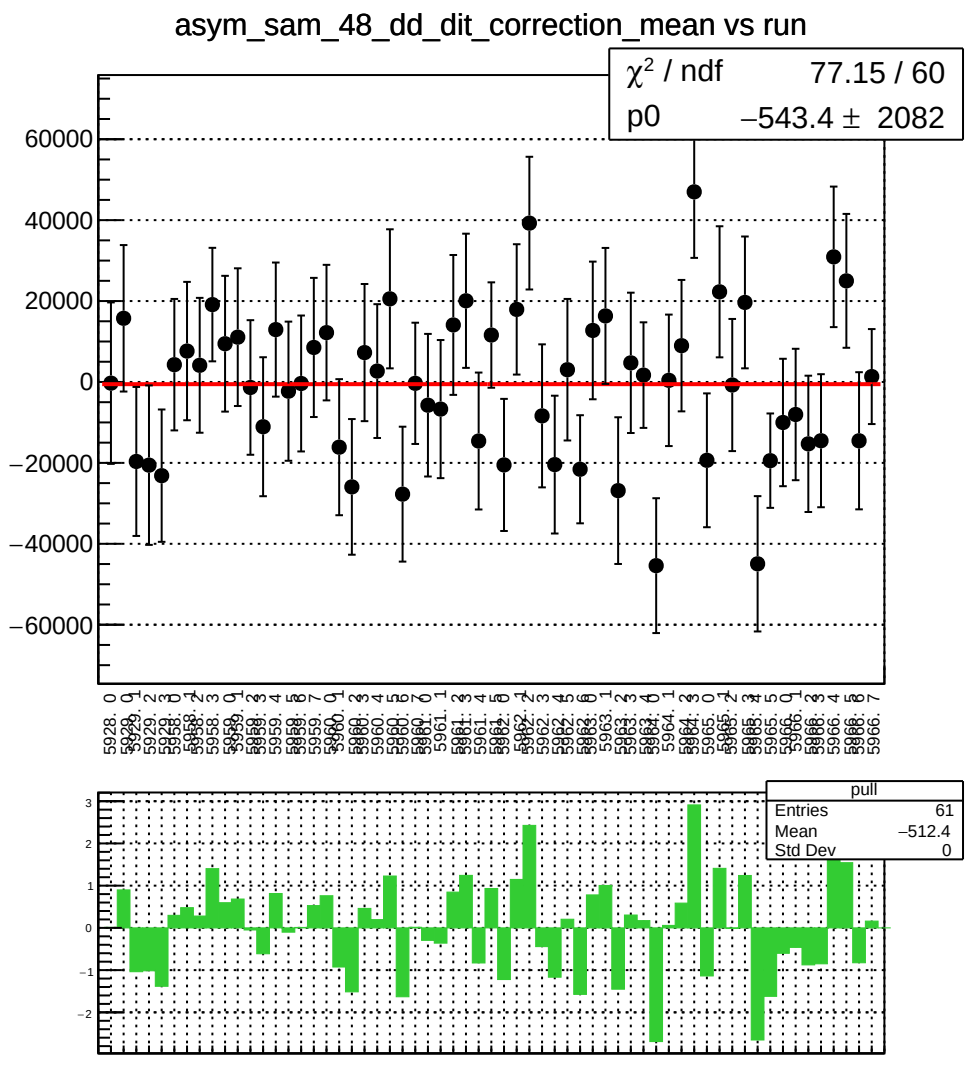

pull1D
Entries 61
Mean 0.001472
Std Dev 1.124

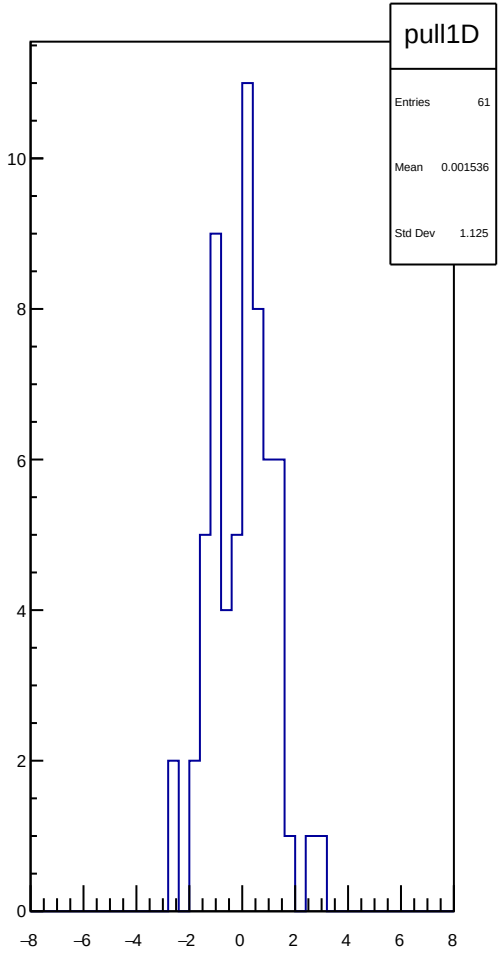

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2599 / 60
p0 1594 ± 1.461
2000
1900
1800
1700
1600
1500

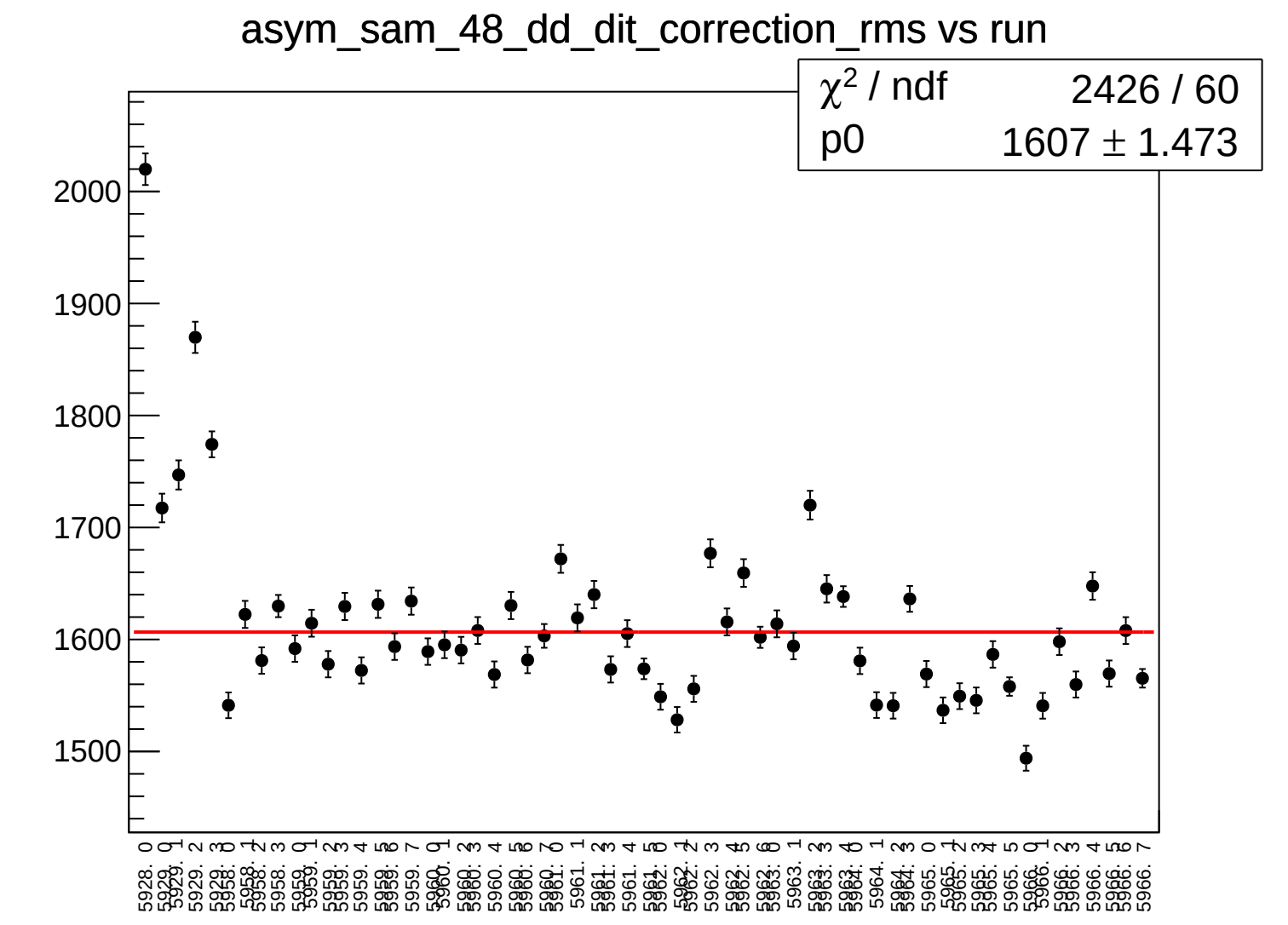

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 52.68 / 60
p0 97.74 ± 203.2
pull
Entries 61
Mean −4707
Std Dev 0

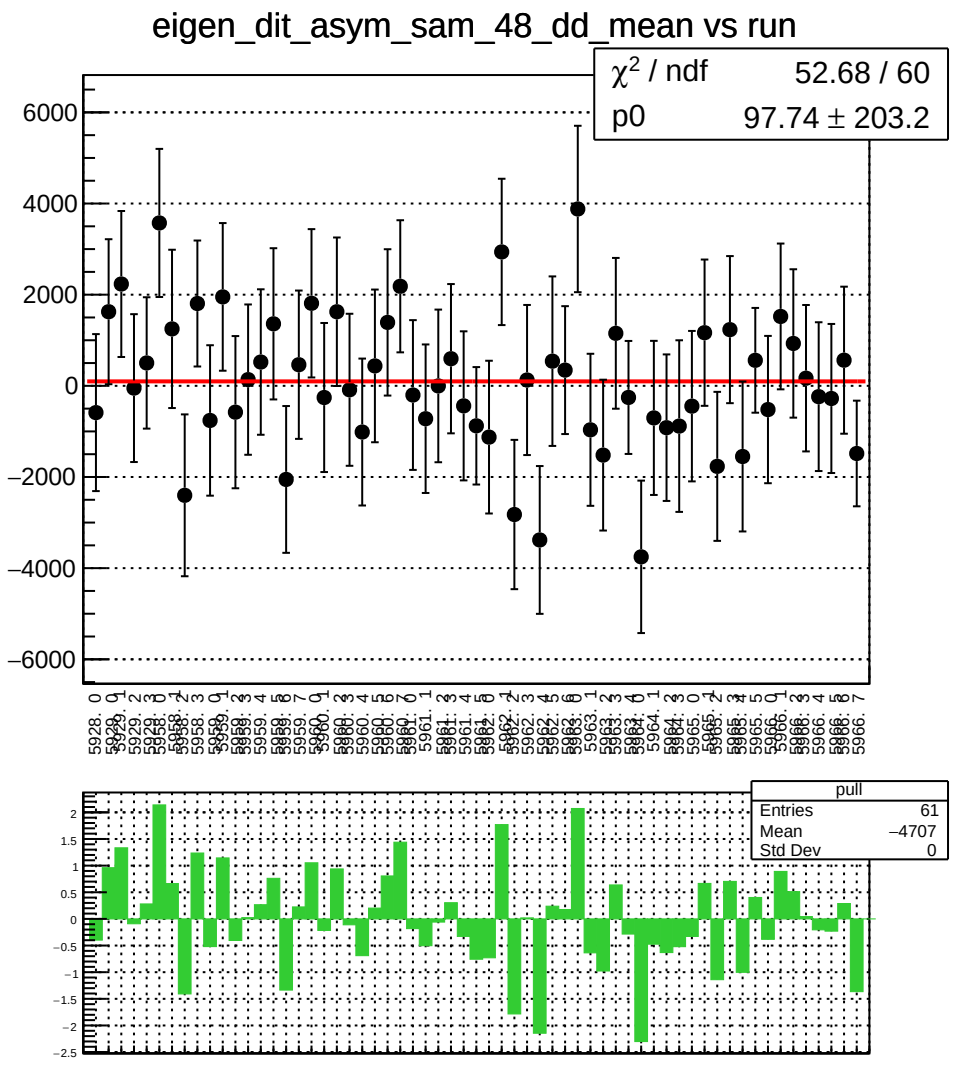

pull1D
Entries 61
Mean 0.0008505
Std Dev 0.9293

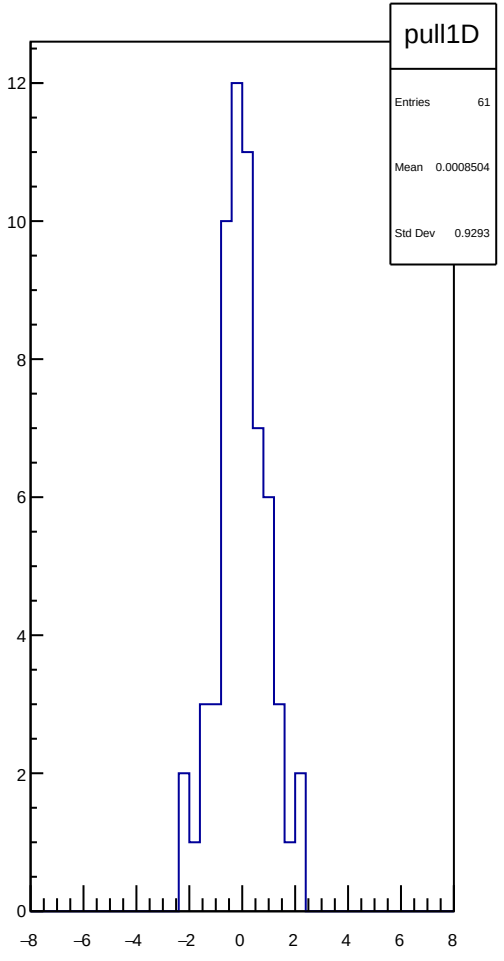

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1780 / 60
p0 156.8 ± 0.1437
190
185
180
175
170
165
160
155
150

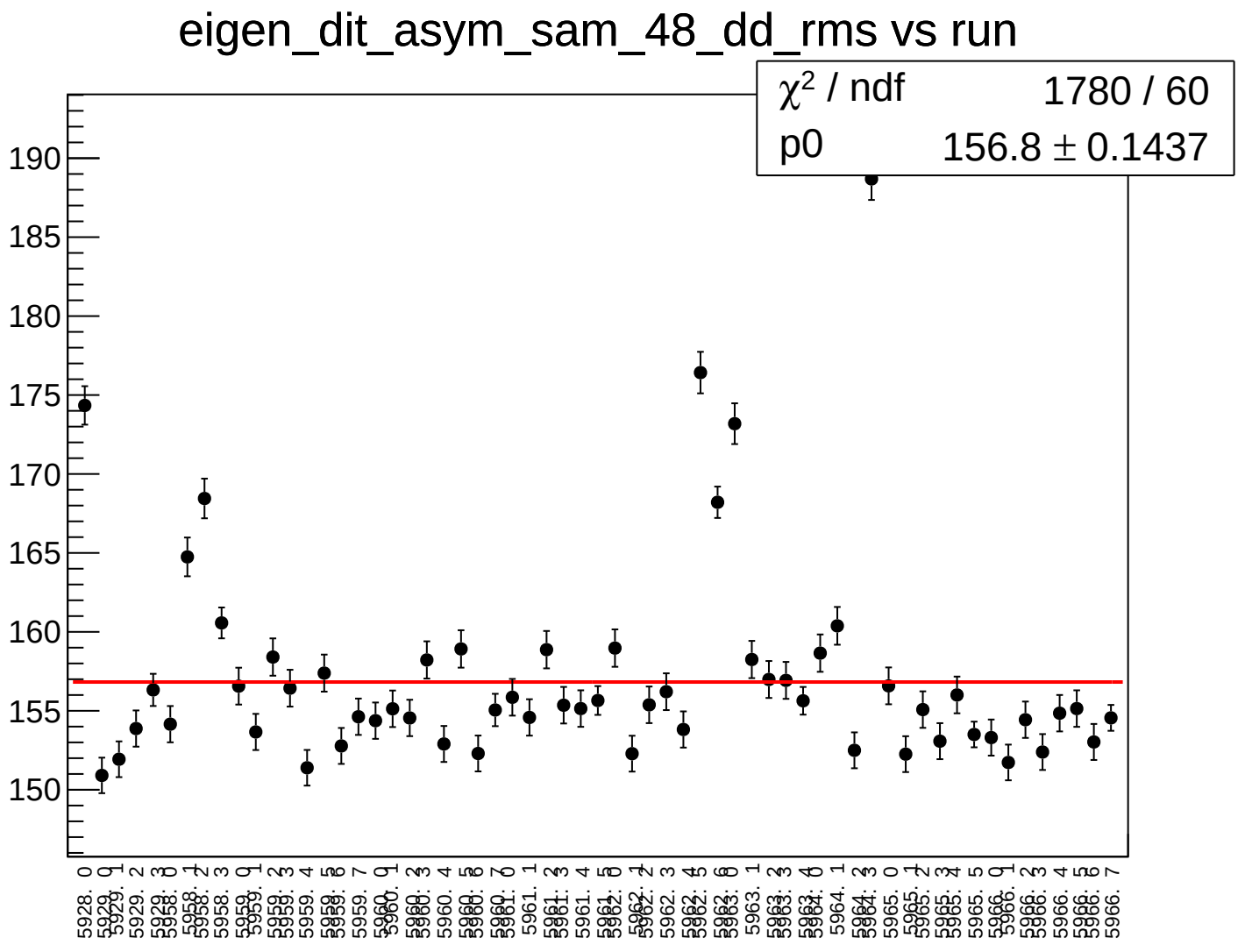

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 77.15 / 60
p0 −543.4 ± 2082
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −512.4
Std Dev 0
3
2
1
0
−1
−2

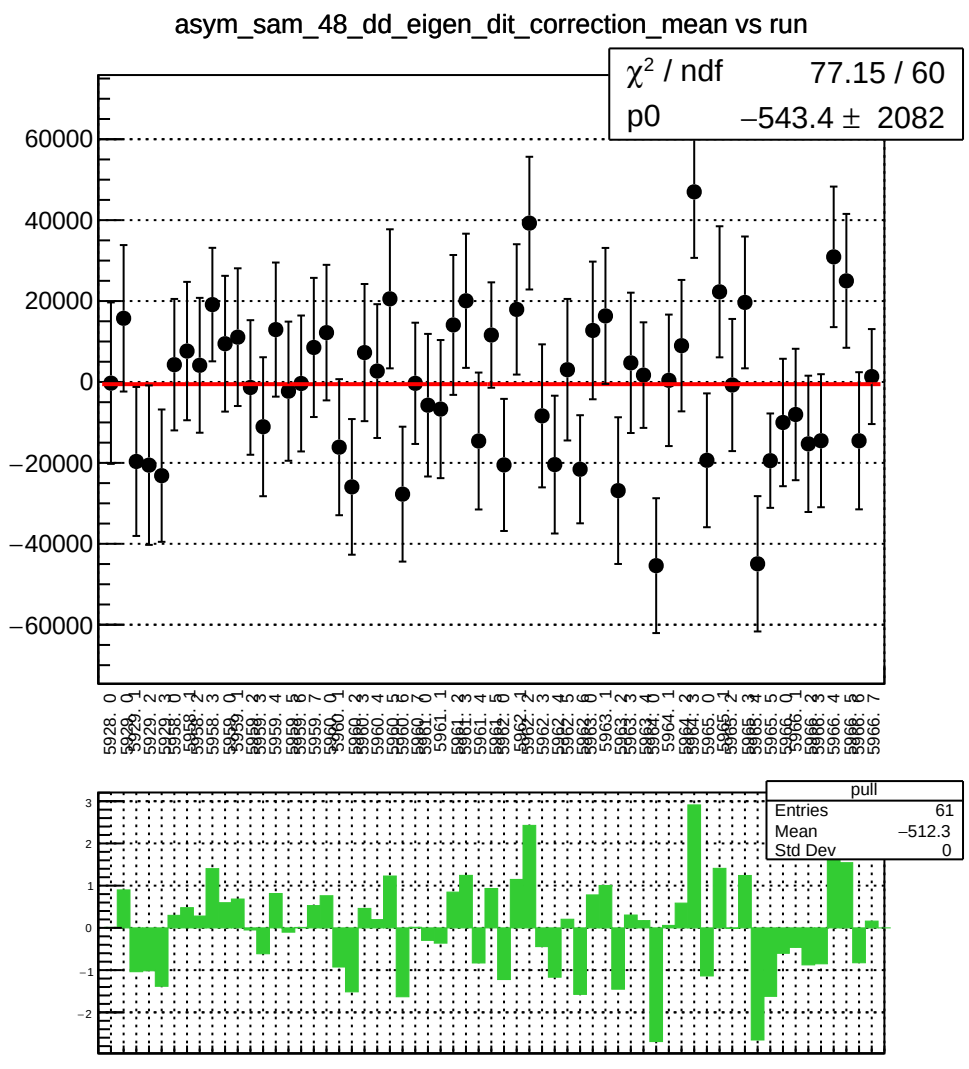

pull1D
Entries 61
Mean 0.001536
Std Dev 1.125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

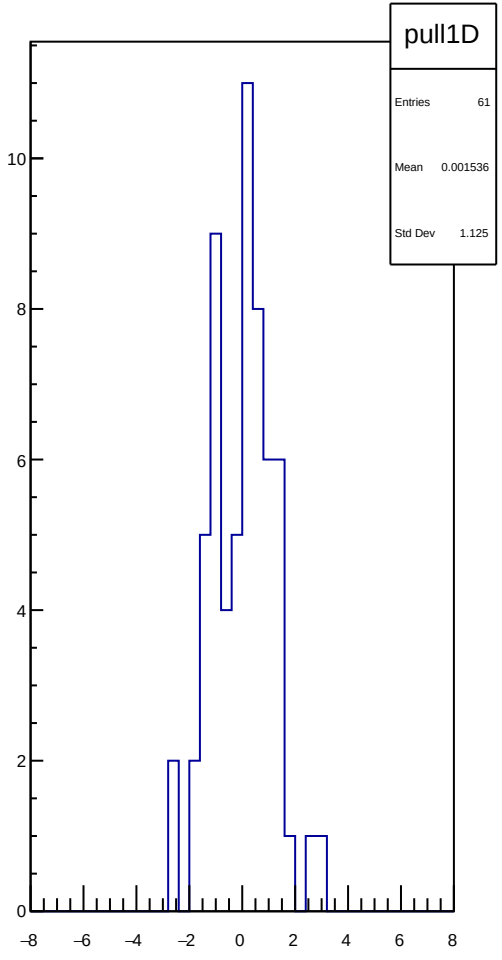

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 2426 / 60
p0 1607 ± 1.473
2000
1900
1800
1700
1600
1500

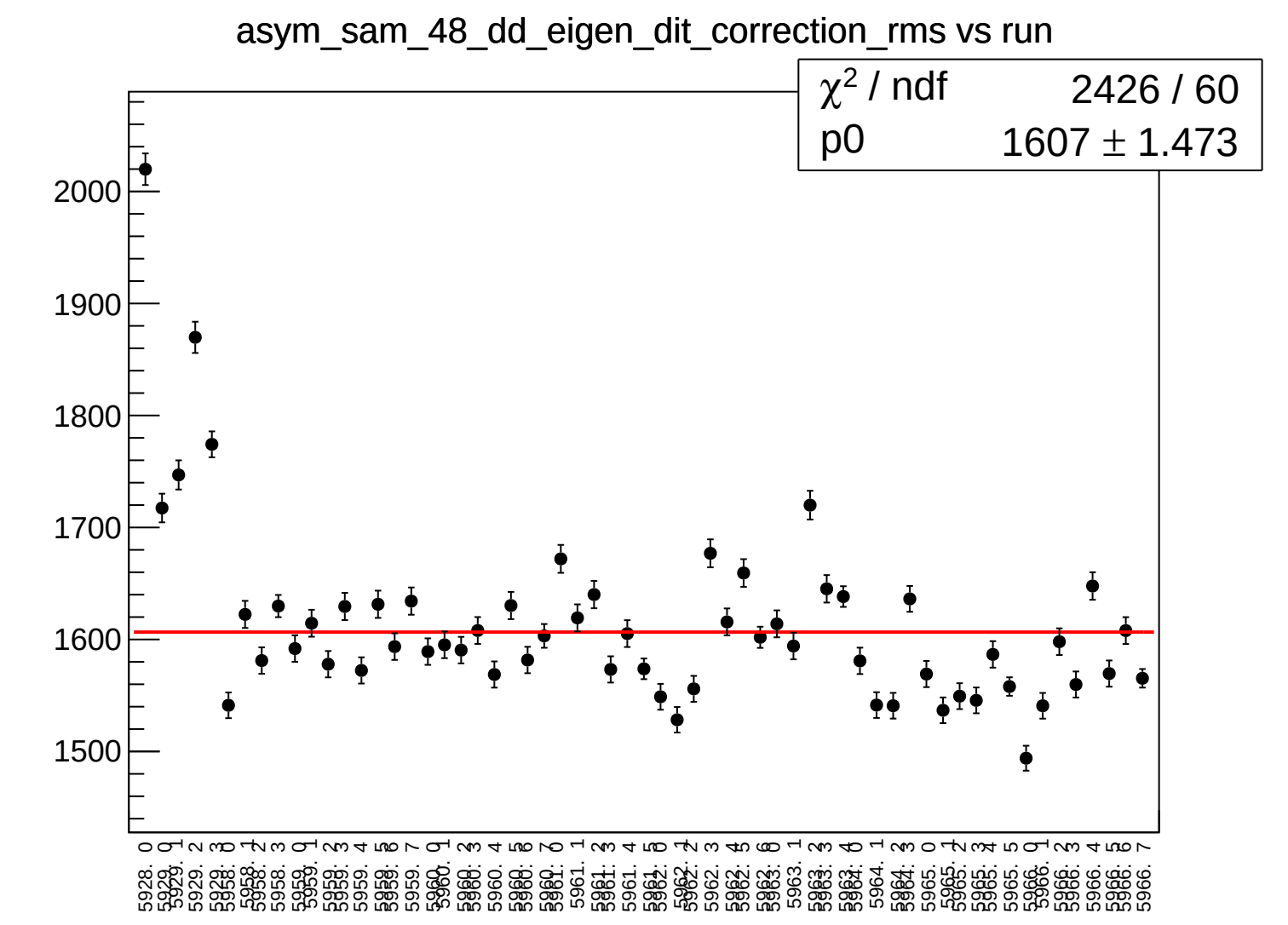

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 52.68 / 60
p0 97.74 ± 203.2
pull
Entries 61
Mean −4707
Std Dev 0

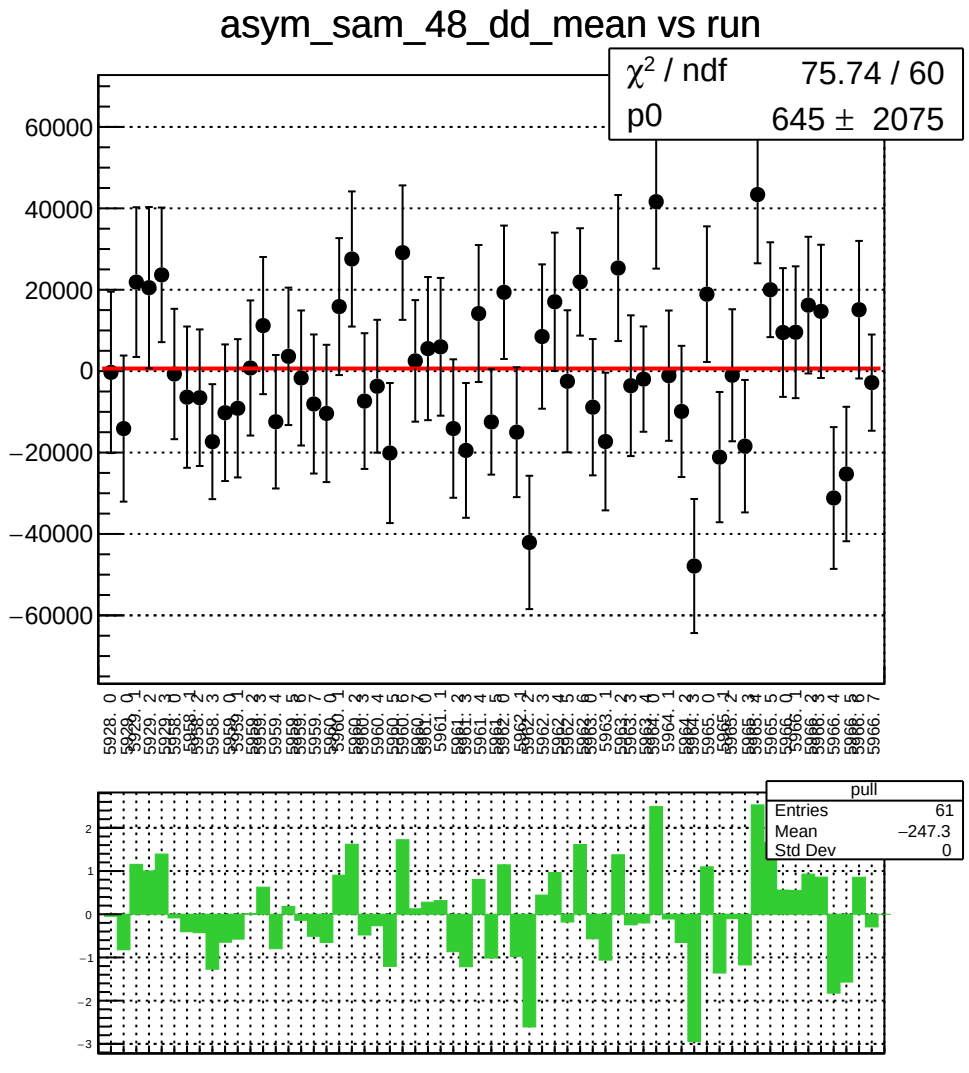

pull1D
Entries 61
Mean 0.0008504
Std Dev 0.9293

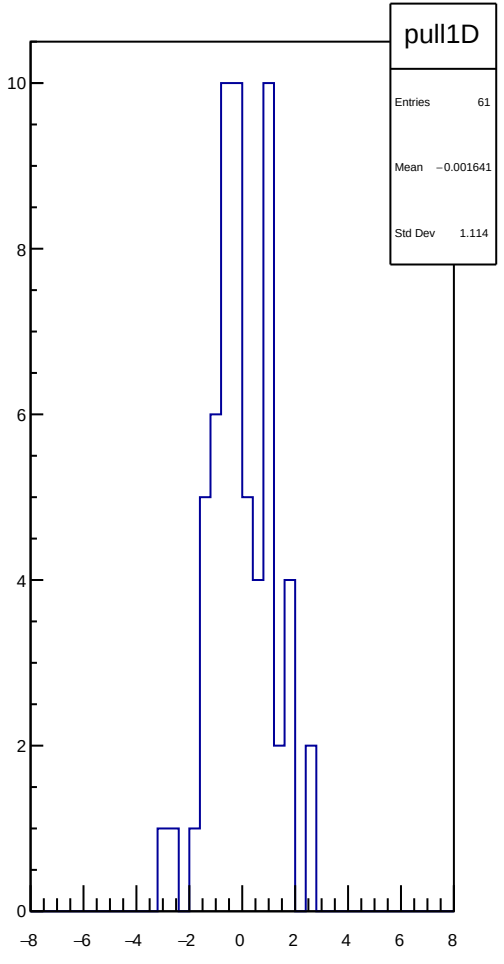

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1780 / 60
p0 156.8 ± 0.1437
190
185
180
175
170
165
160
155
150

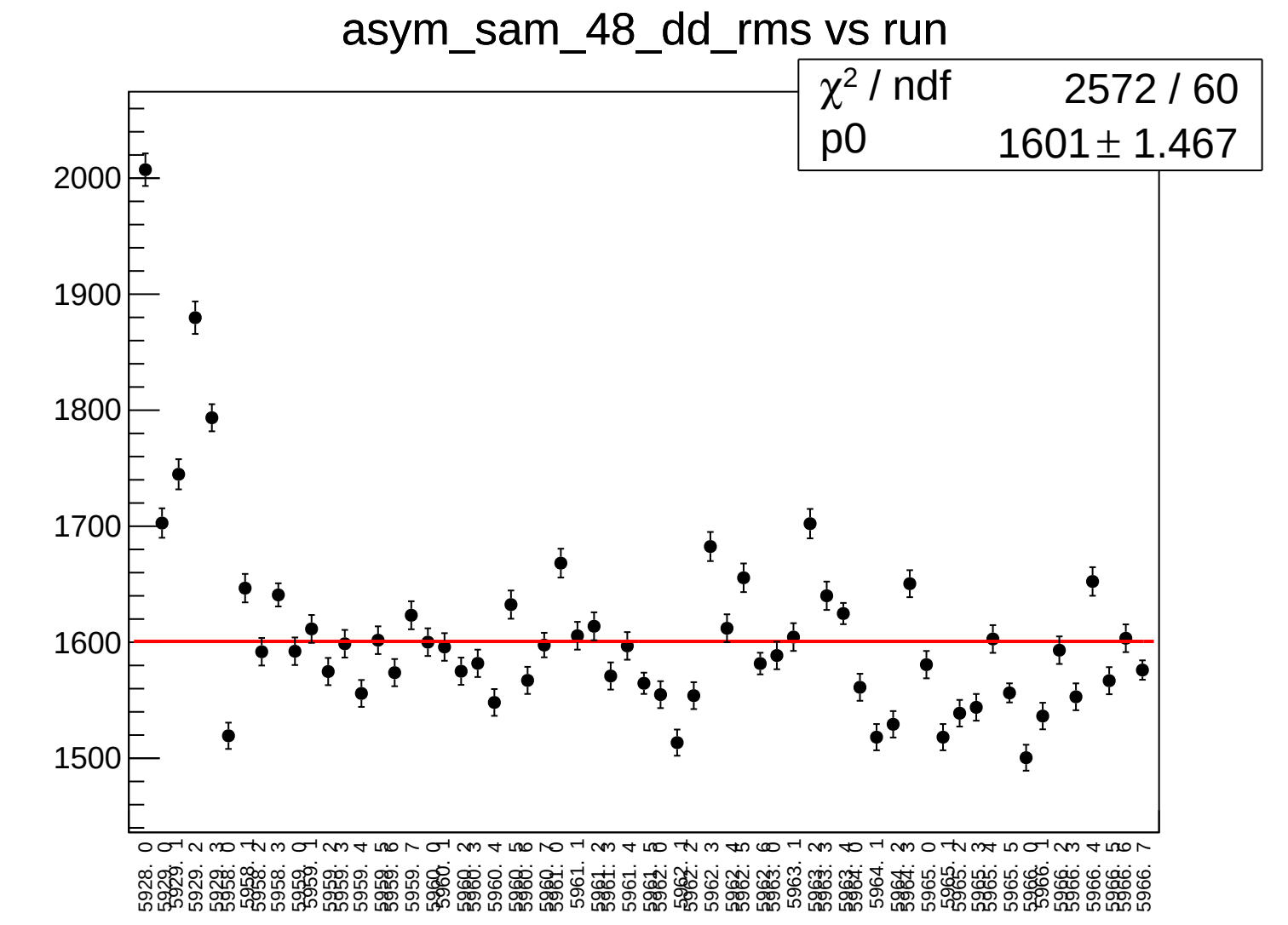

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.15 / 60
p0 −543.4 ± 2082
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −512.3
Std Dev 0
3
2
1
0
−1
−2

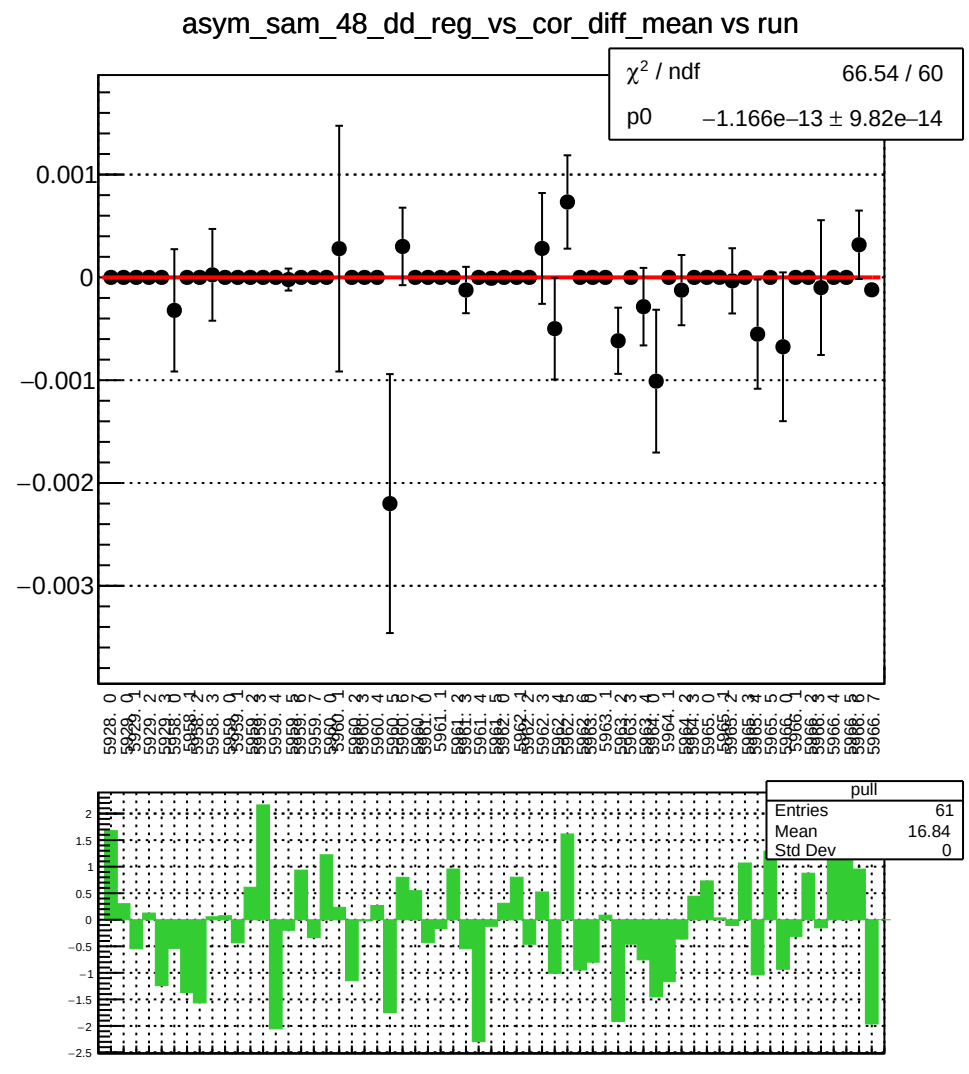

pull1D
Entries 61
Mean 0.001536
Std Dev 1.125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

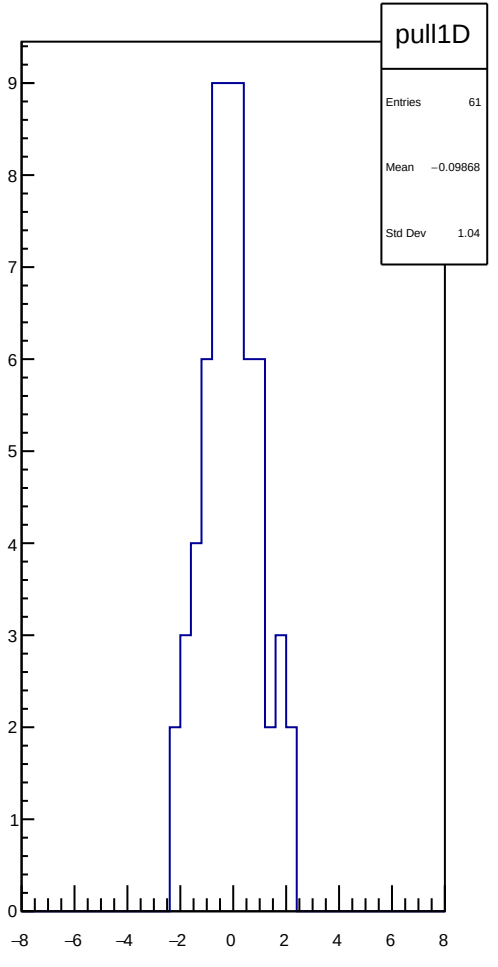

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2426 / 60
p0 1607 ± 1.473
2000
1900
1800
1700
1600
1500

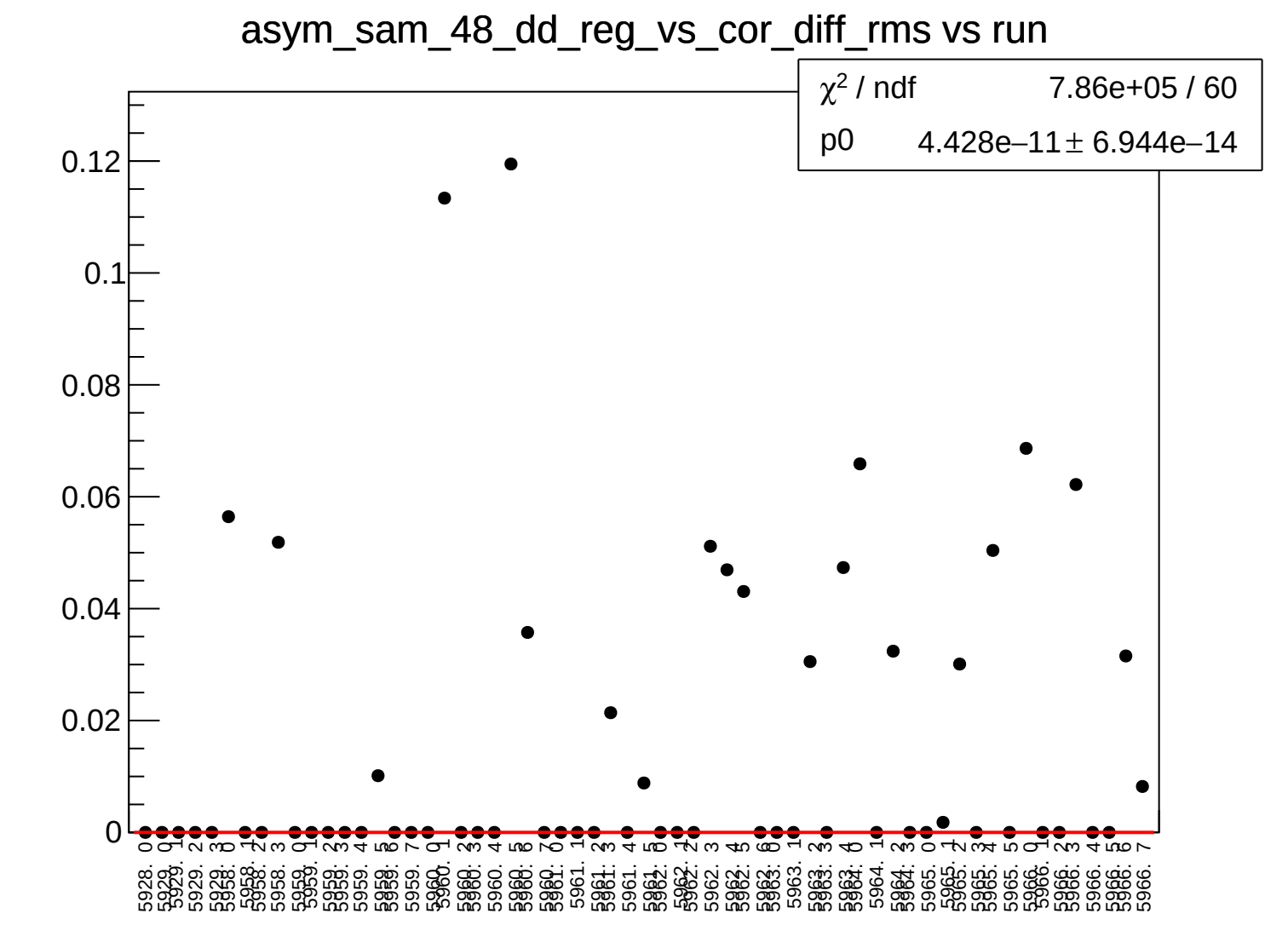

asym_sam_48_dd_mean vs run
χ² / ndf 75.74 / 60
p0 645 ± 2075
pull
Entries 61
Mean −247.3
Std Dev 0

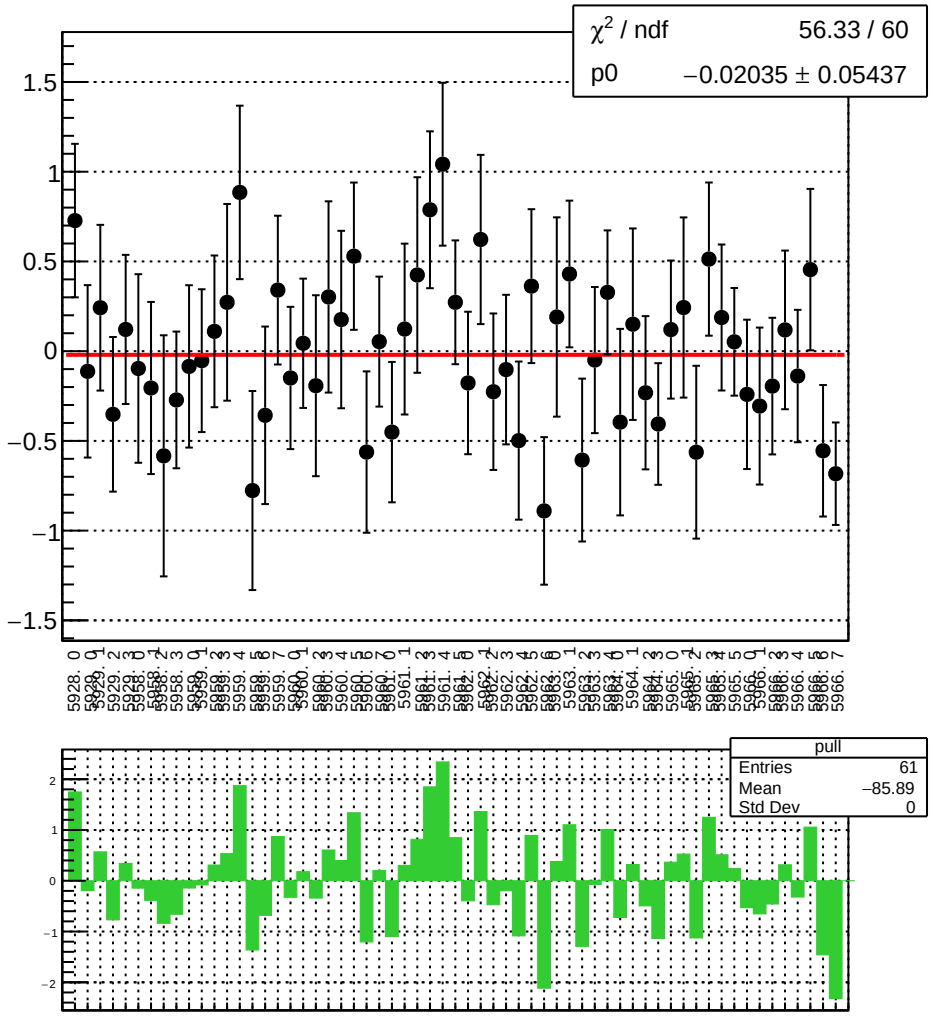

pull1D
Entries 61
Mean −0.001641
Std Dev 1.114

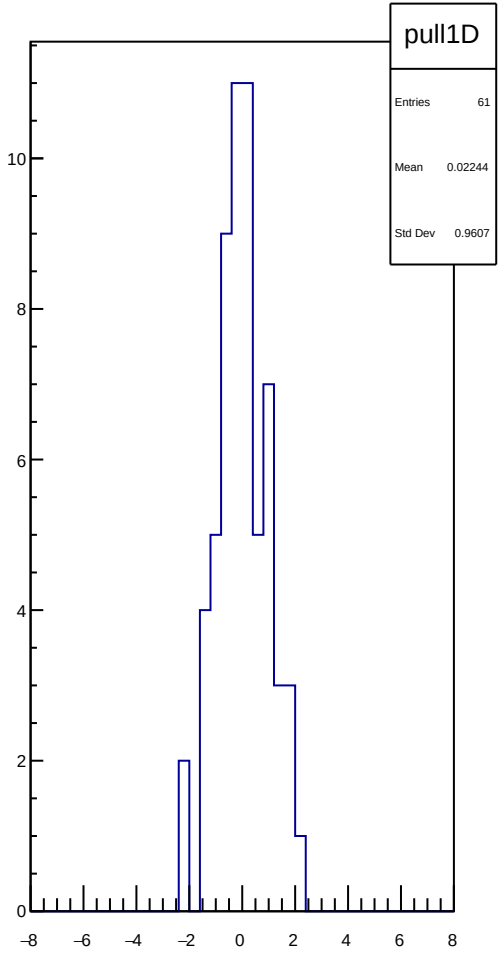

asym_sam_48_dd_rms vs run
χ² / ndf 2572 / 60
p0 1601 ± 1.467
2000
1900
1800
1700
1600
1500

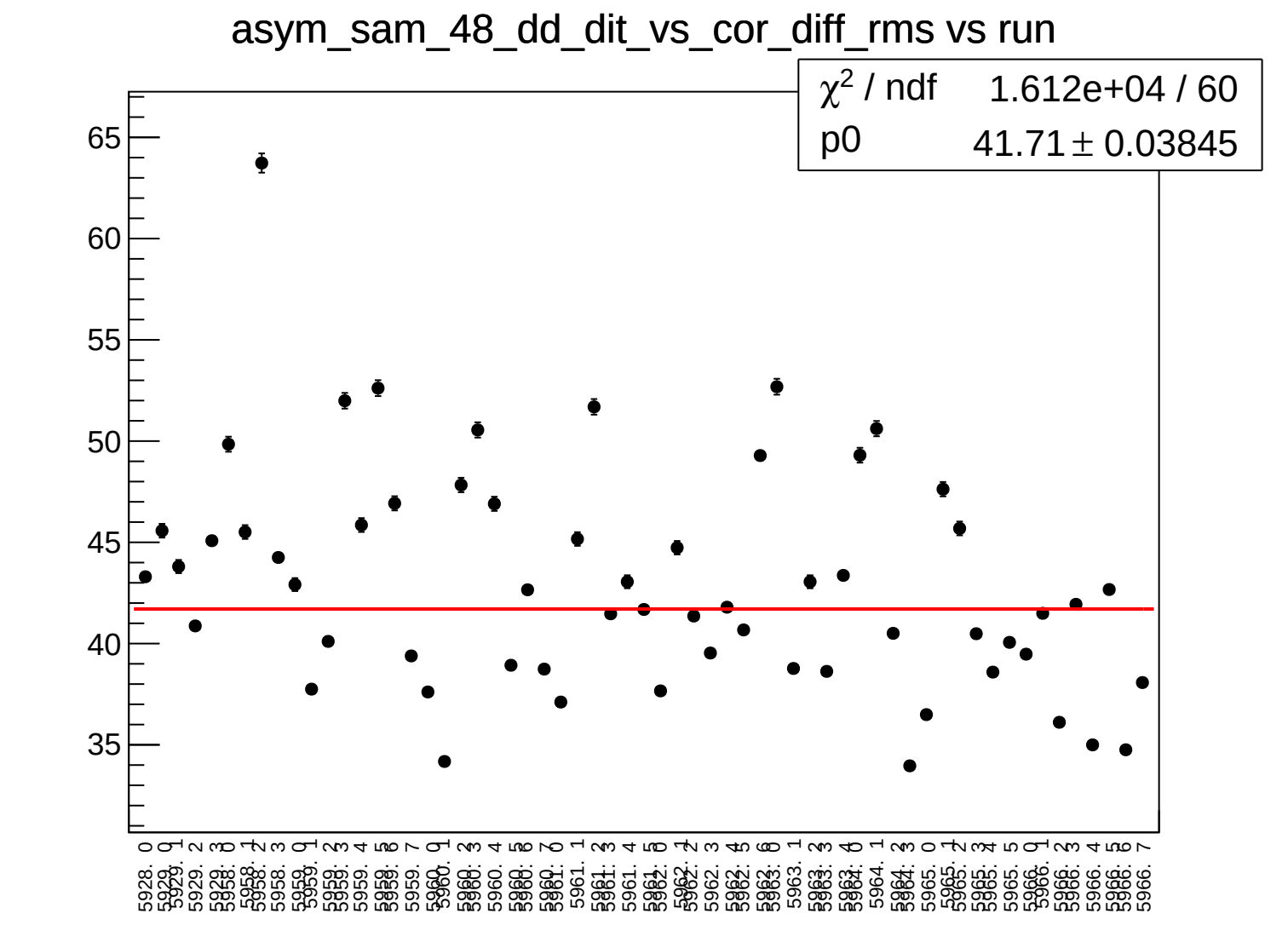

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.54 / 60
p0 −1.166e−13 ± 9.82e−14
0.001
0
−0.001
−0.002
−0.003
pull
Entries 61
Mean 16.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

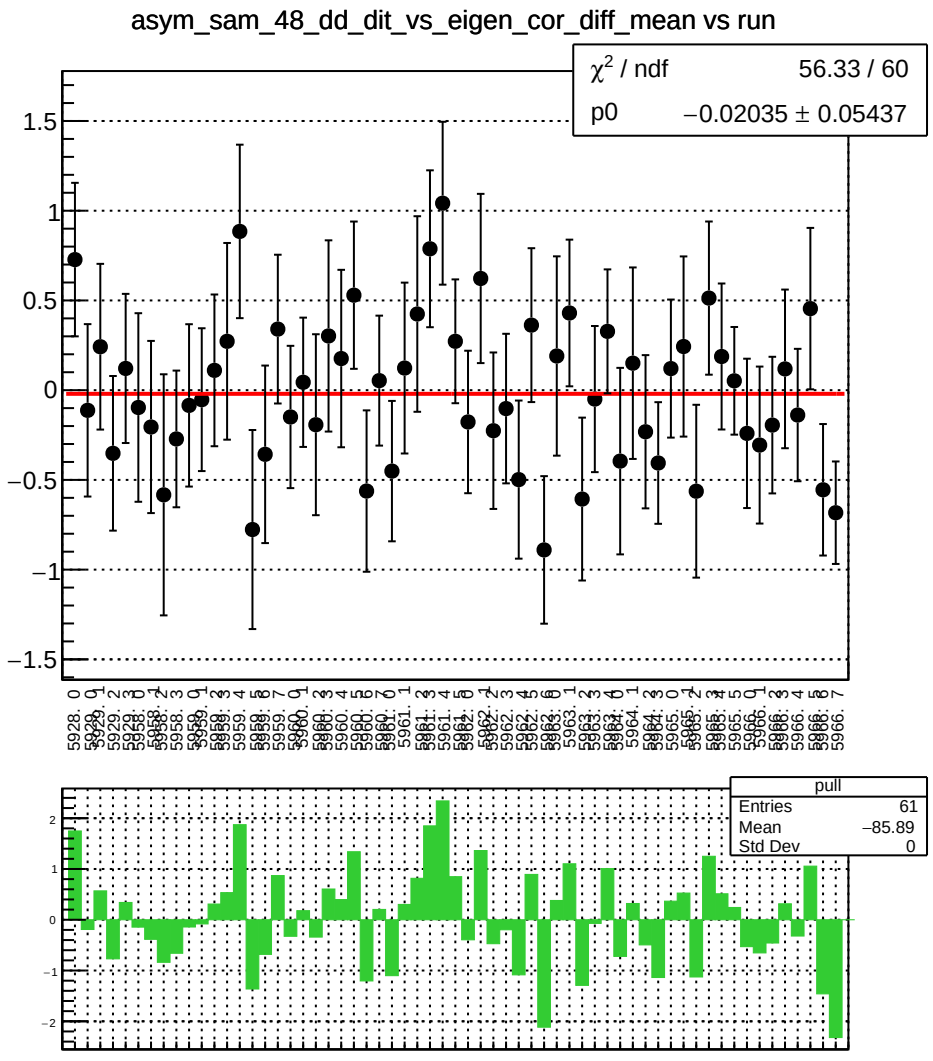

pull1D
Entries 61
Mean −0.09868
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

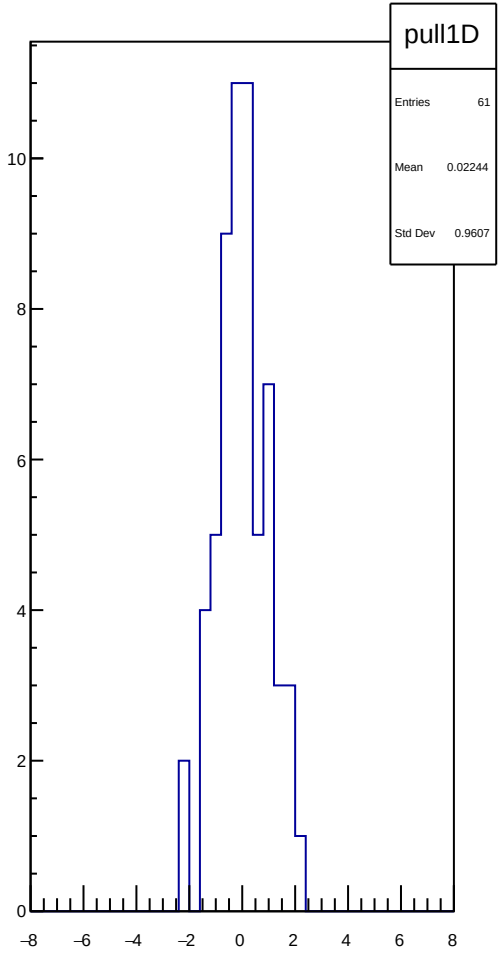

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.86e+05 / 60
p0 4.428e−11 ± 6.944e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

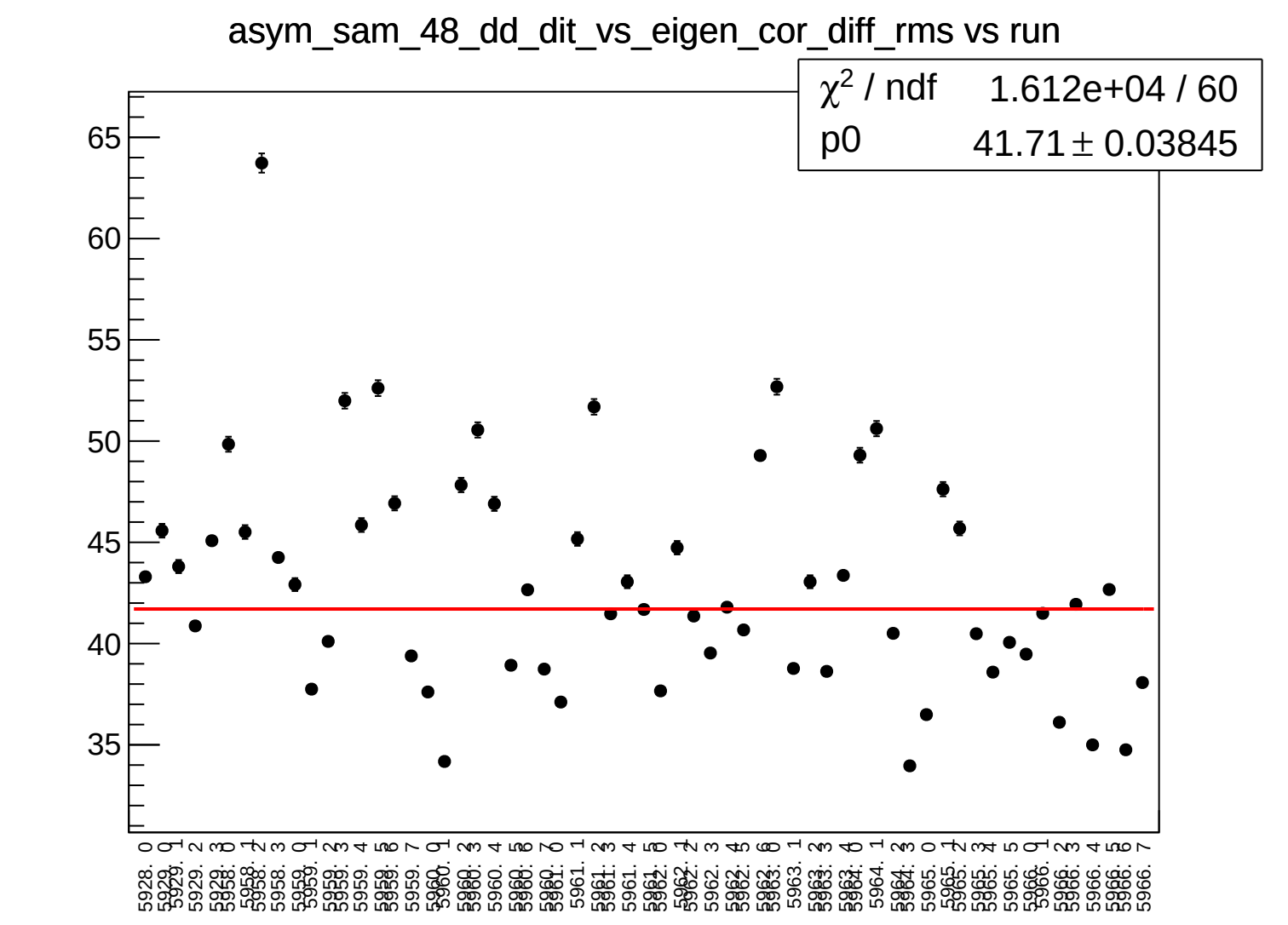

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.33 / 60
p0 −0.02035 ± 0.05437
pull
Entries 61
Mean −85.89
Std Dev 0

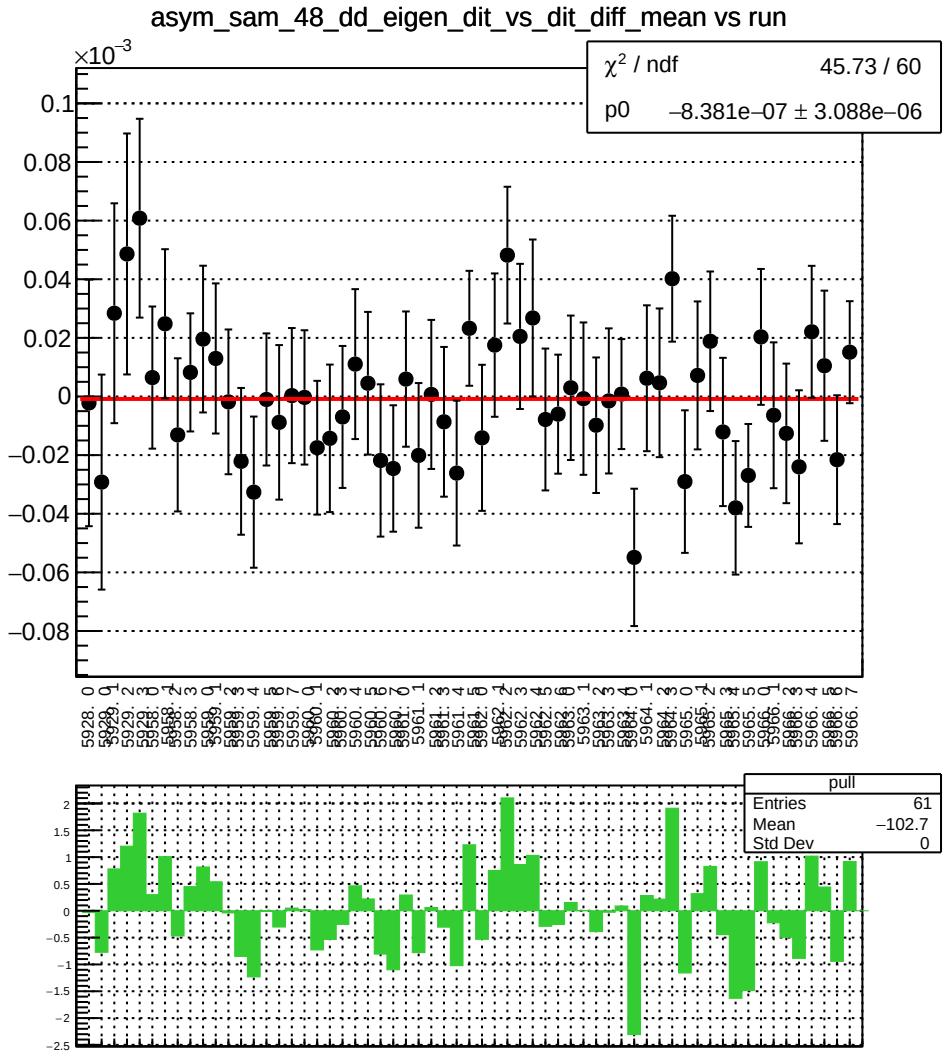

pull1D
Entries 61
Mean 0.02244
Std Dev 0.9607

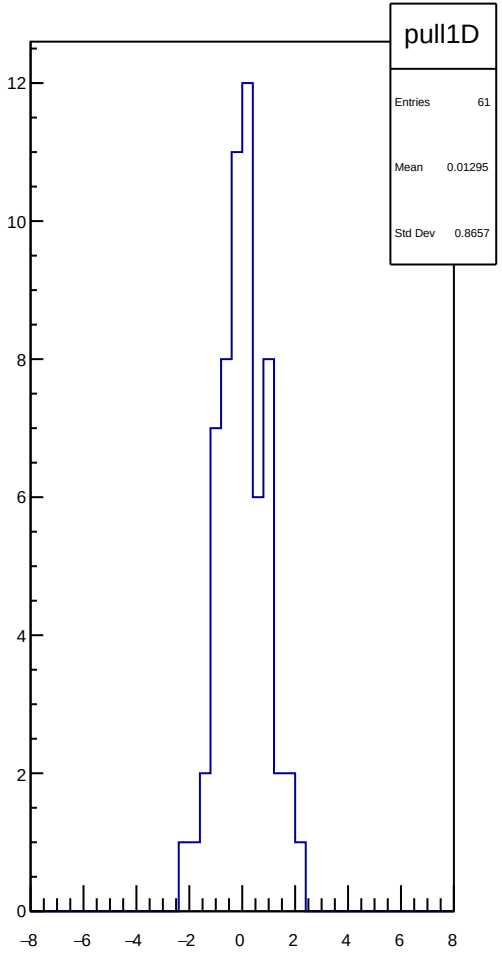

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.612e+04 / 60
p0 41.71 ± 0.03845
65
60
55
50
45
40
35

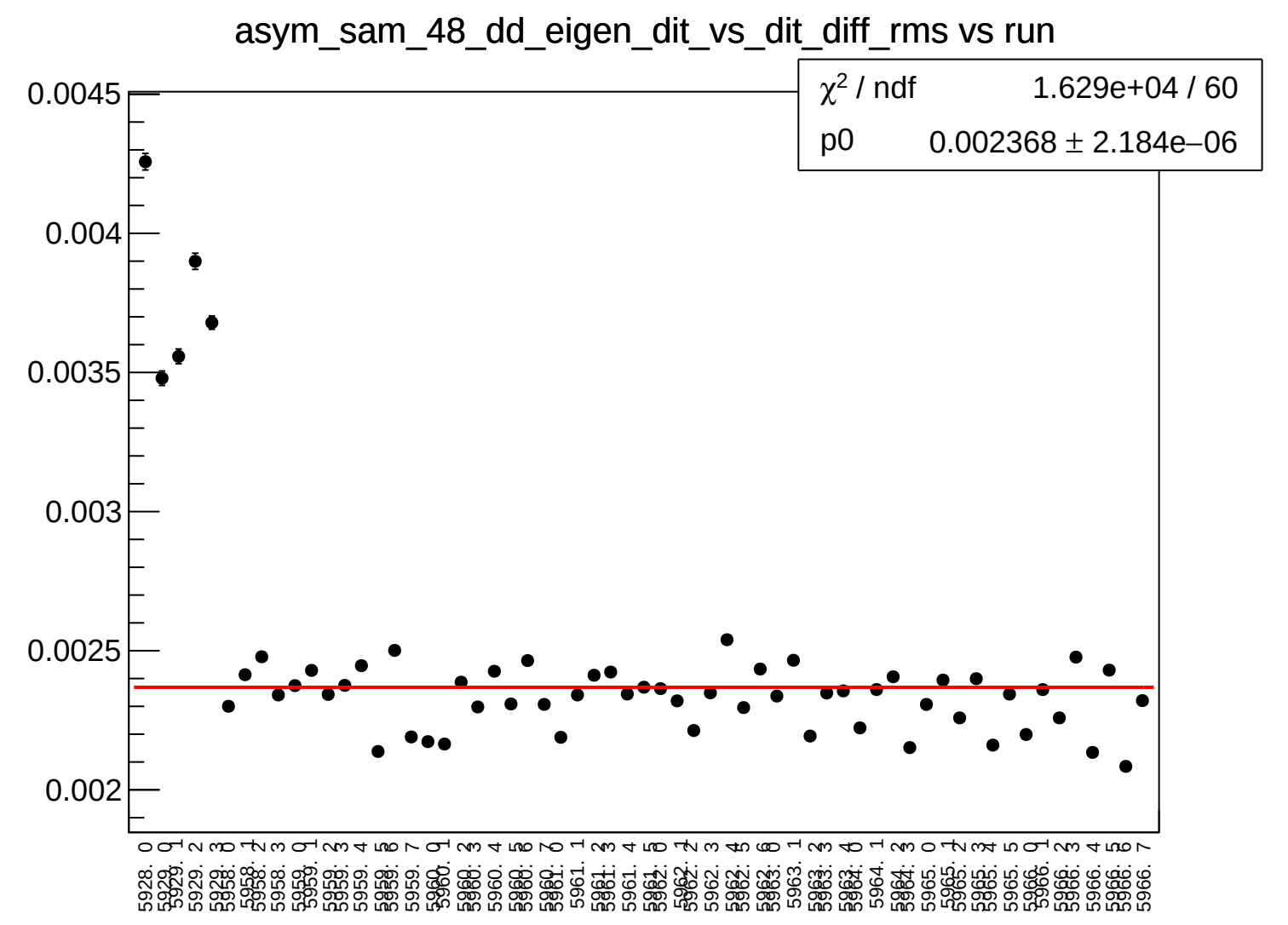

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.33 / 60
p0 −0.02035 ± 0.05437
pull
Entries 61
Mean −85.89
Std Dev 0

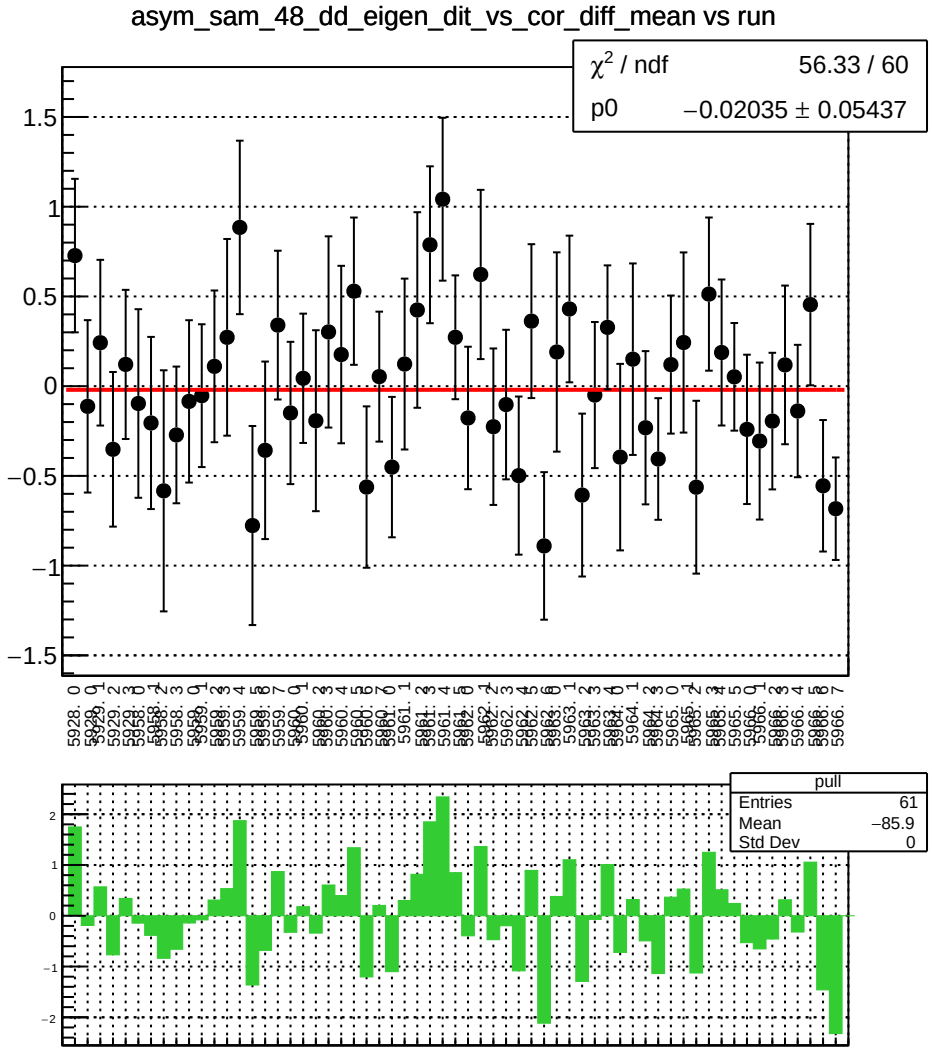

pull1D
Entries 61
Mean 0.02244
Std Dev 0.9607

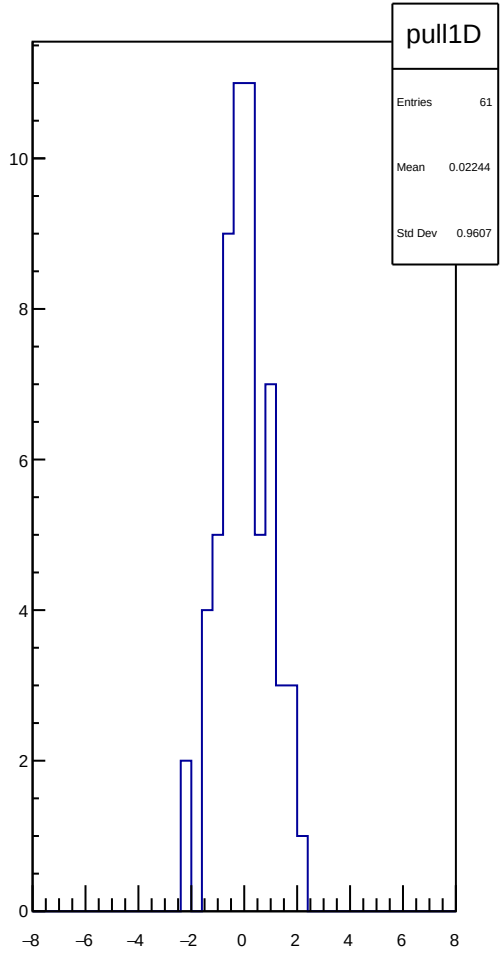

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.612e+04 / 60
p0 41.71 ± 0.03845
65
60
55
50
45
40
35

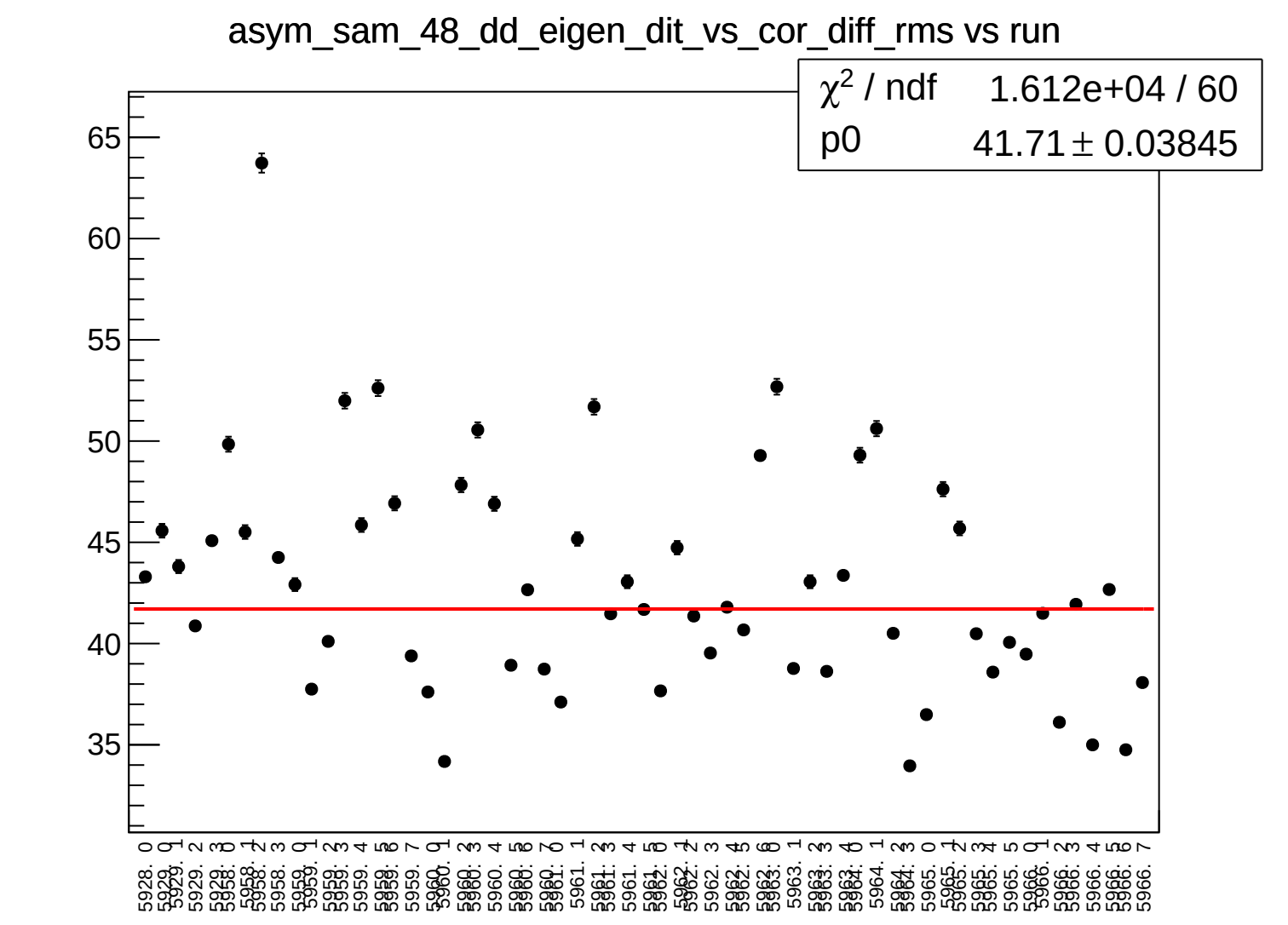

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 45.73 / 60
p0 −8.381e−07 ± 3.088e−06
pull
Entries 61
Mean −102.7
Std Dev 0

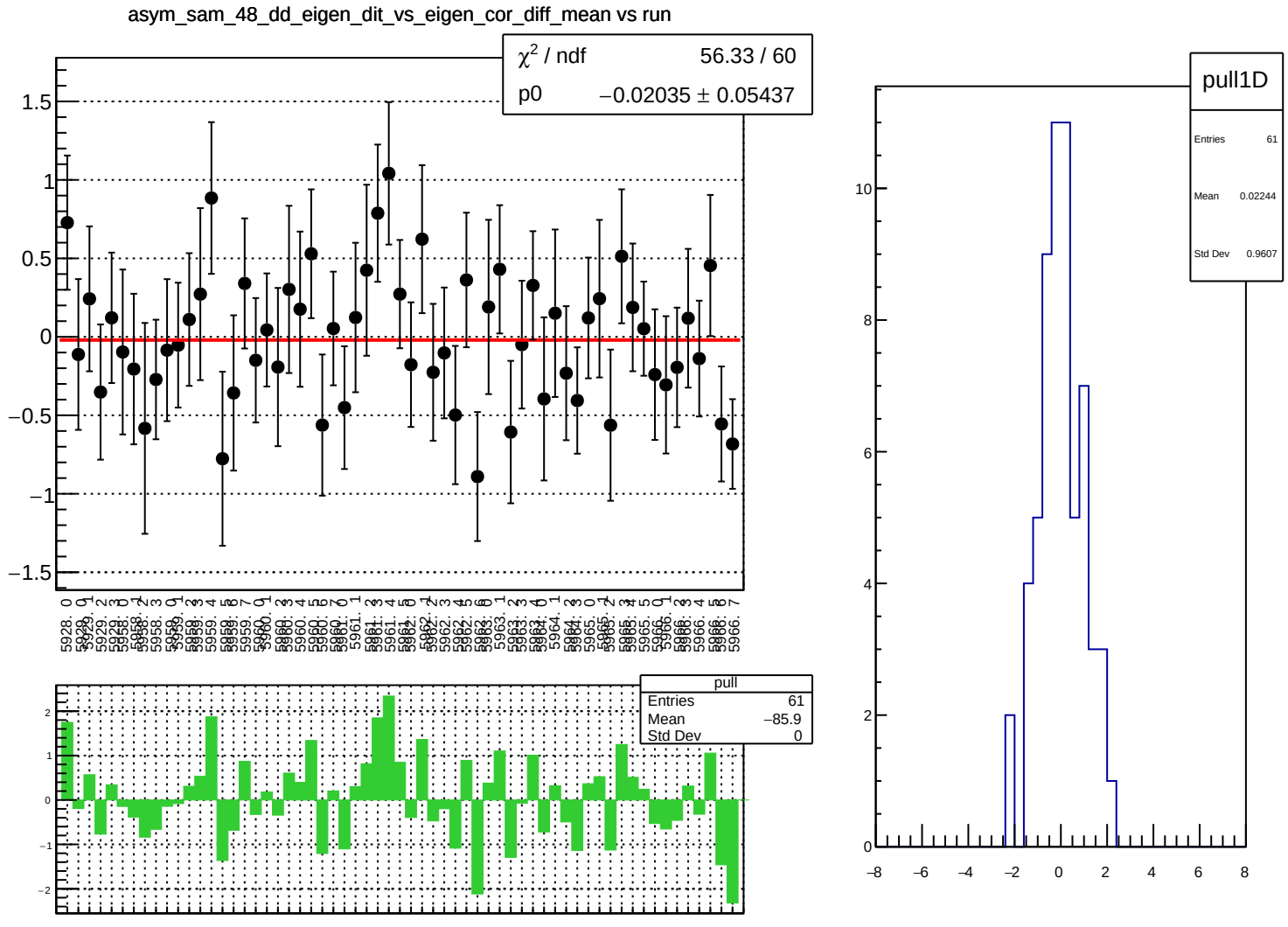

pull1D
Entries 61
Mean 0.01295
Std Dev 0.8657

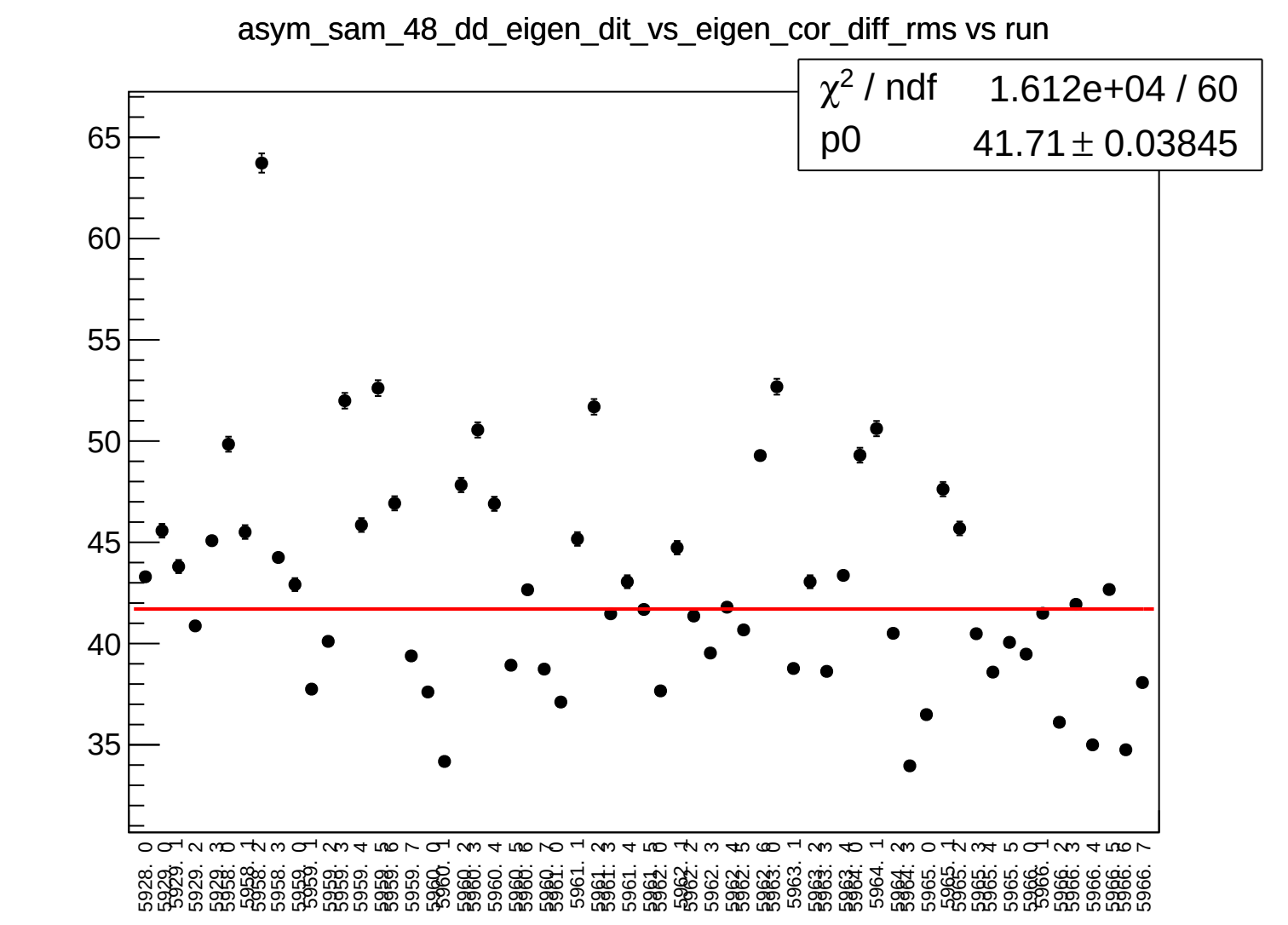

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.629e+04 / 60
p0 0.002368 ± 2.184e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002

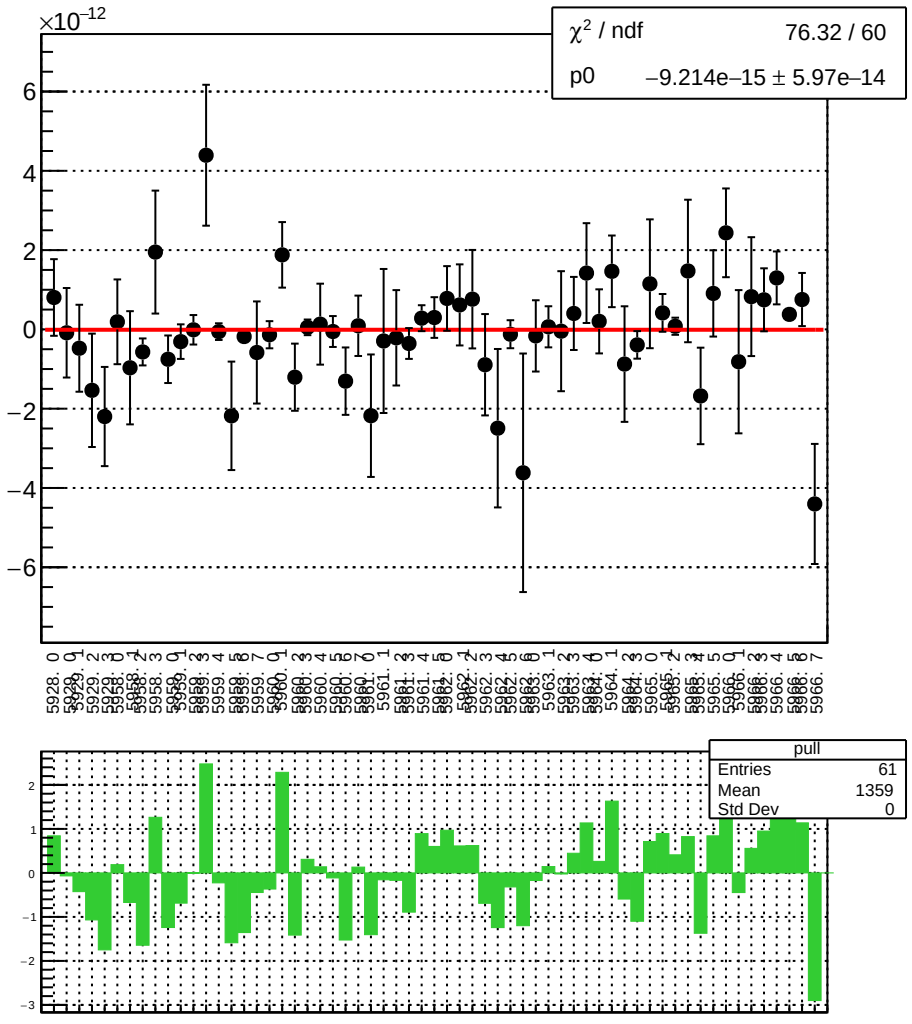

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.33 / 60
p0 −0.02035 ± 0.05437
pull
Entries 61
Mean −85.9
Std Dev 0

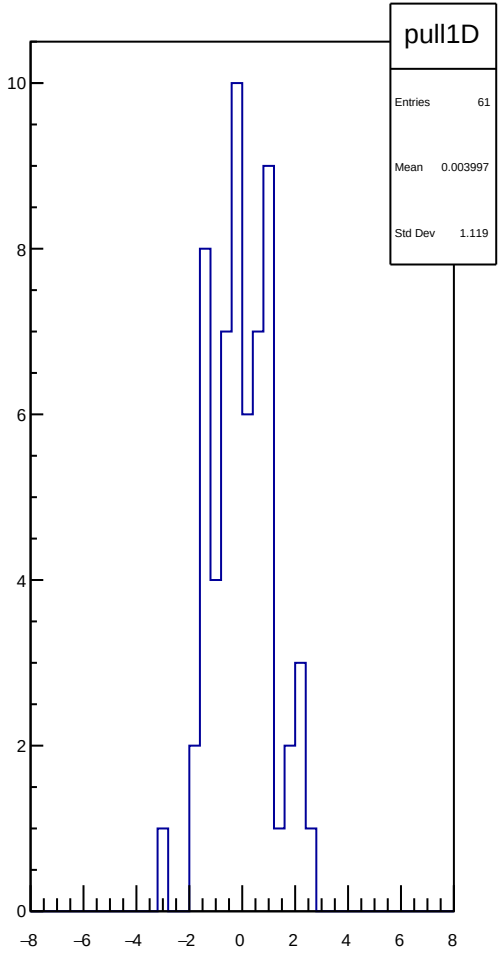

pull1D
Entries 61
Mean 0.02244
Std Dev 0.9607

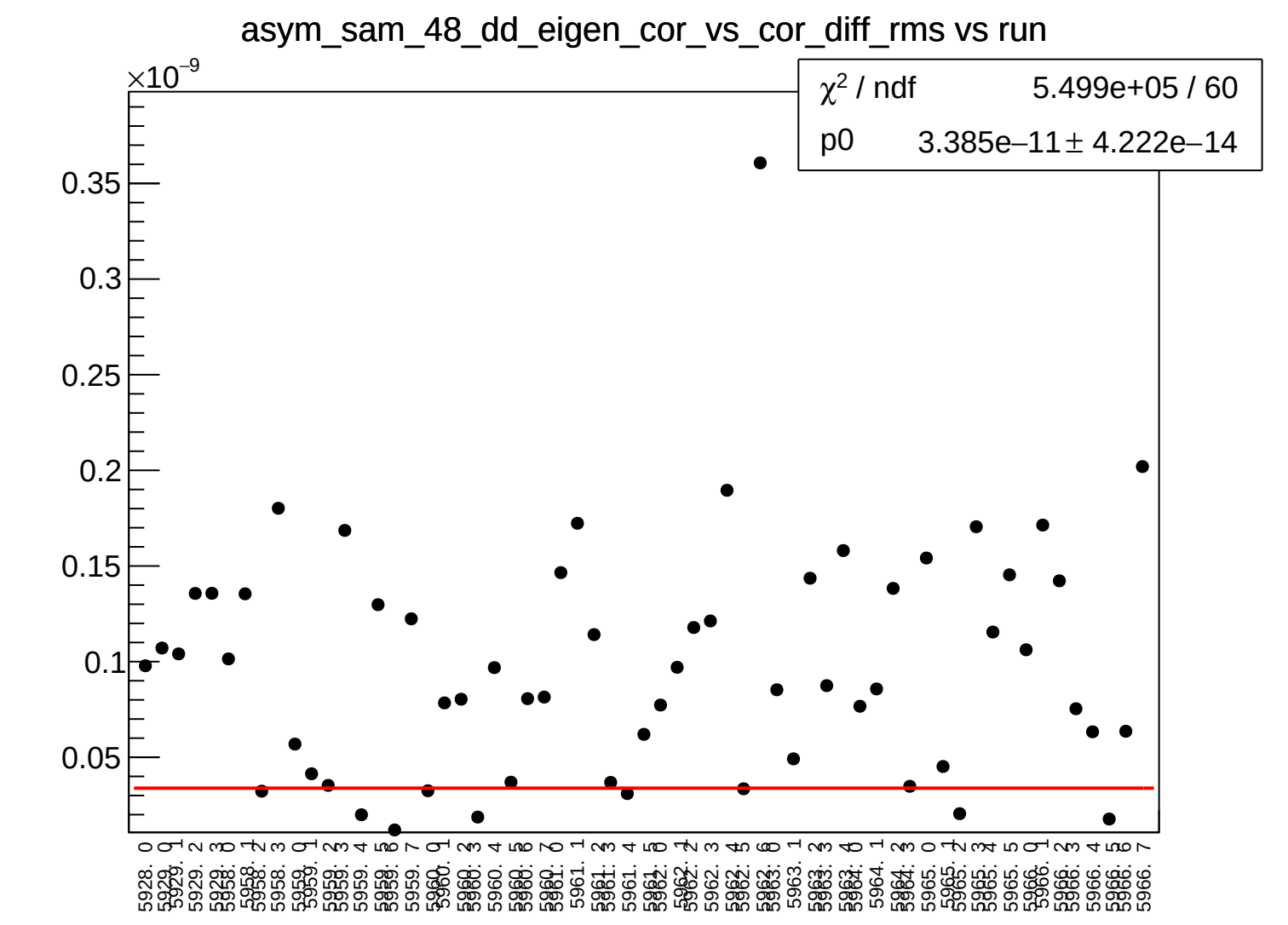

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.612e+04 / 60
p0 41.71 ± 0.03845
65
60
55
50
45
40
35

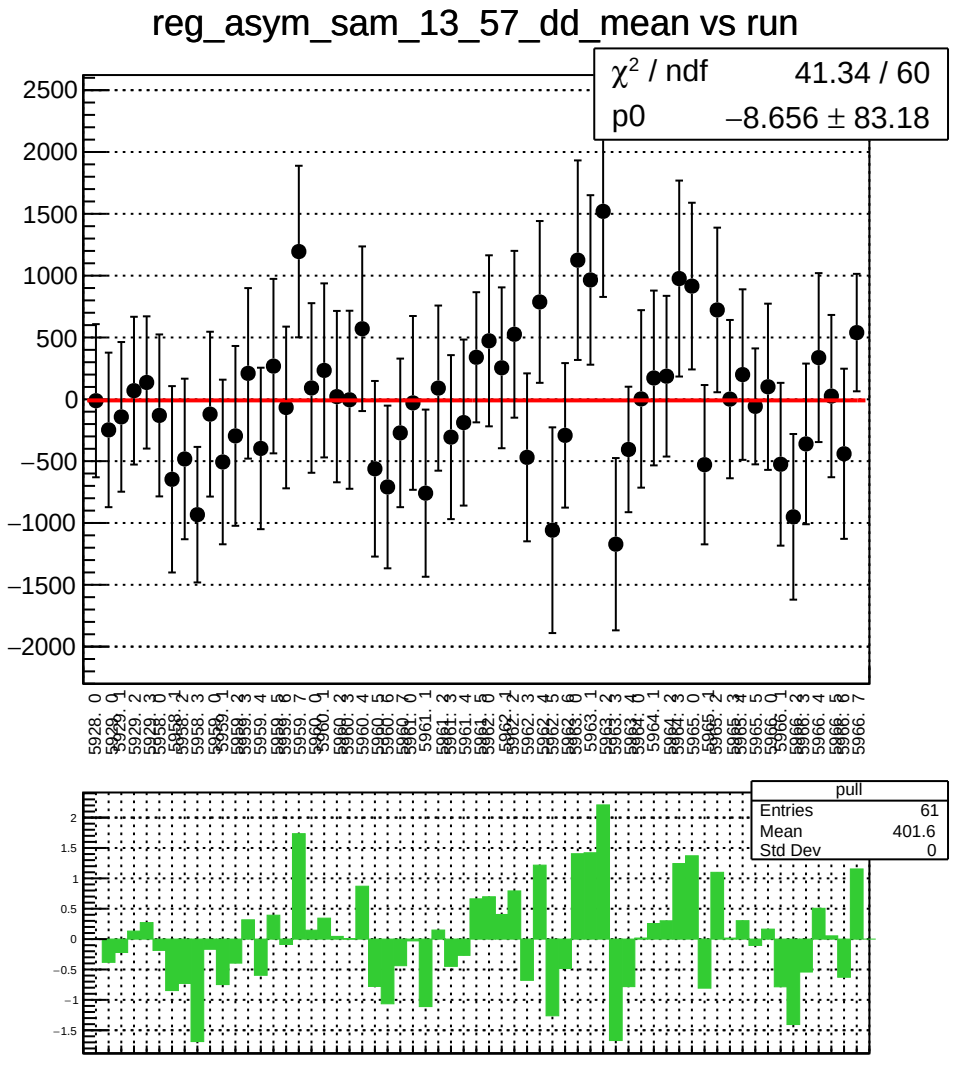

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.33 / 60
p0 −0.02035 ± 0.05437
pull
Entries 61
Mean −85.9
Std Dev 0
pull1D
Entries 61
Mean 0.02244
Std Dev 0.9607

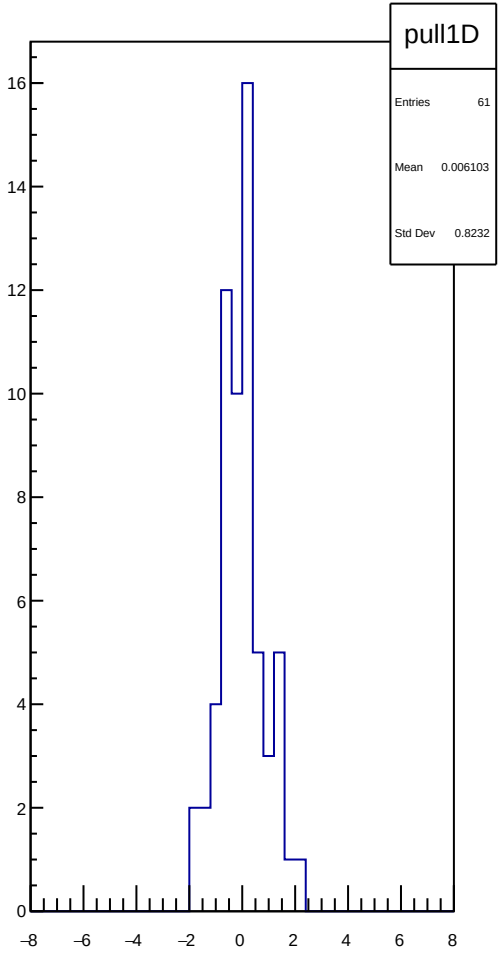

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.612e+04 / 60
p0 41.71 ± 0.03845
65
60
55
50
45
40
35

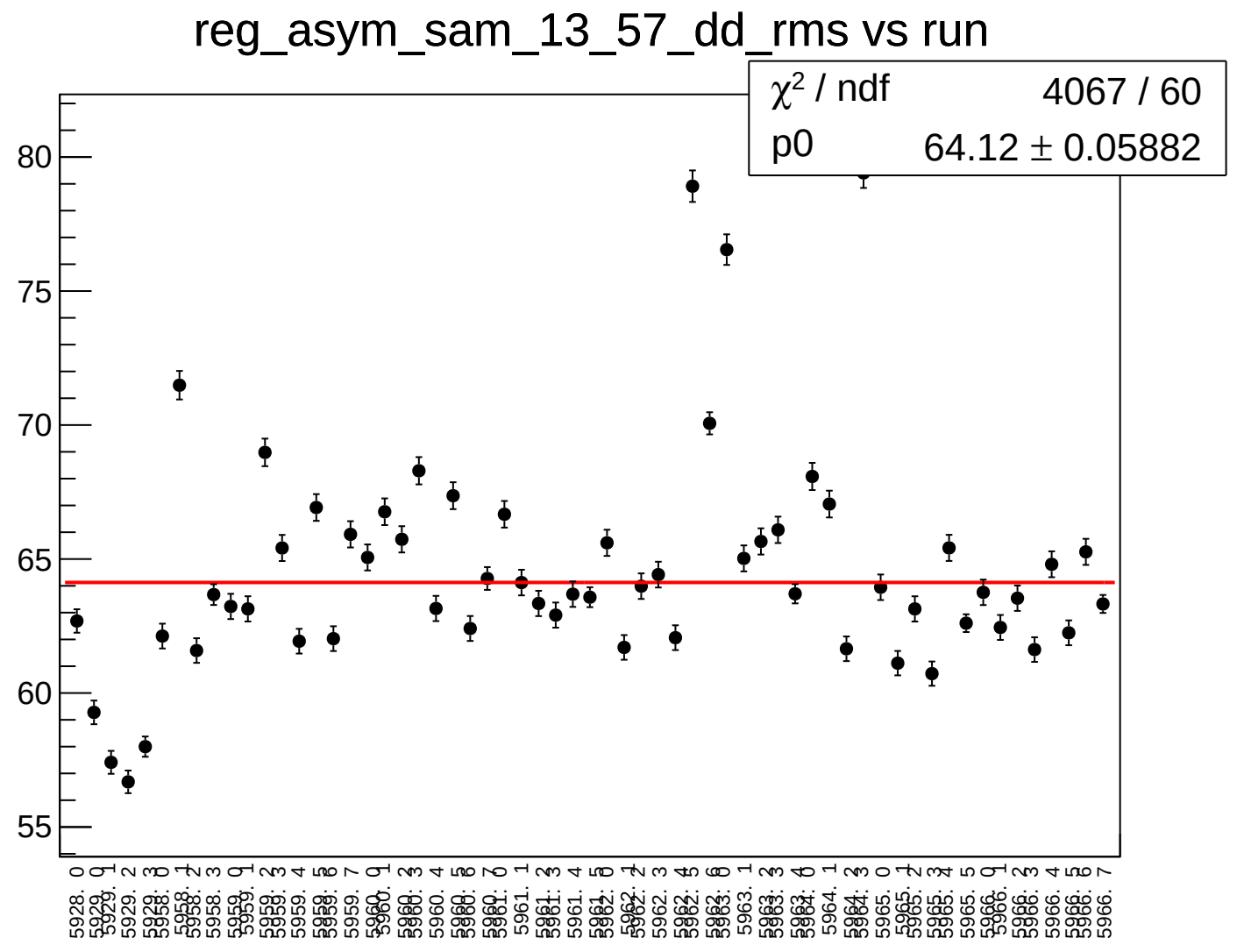

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.32 / 60
p0 −9.214e−15 ± 5.97e−14
pull
Entries 61
Mean 1359
Std Dev 0

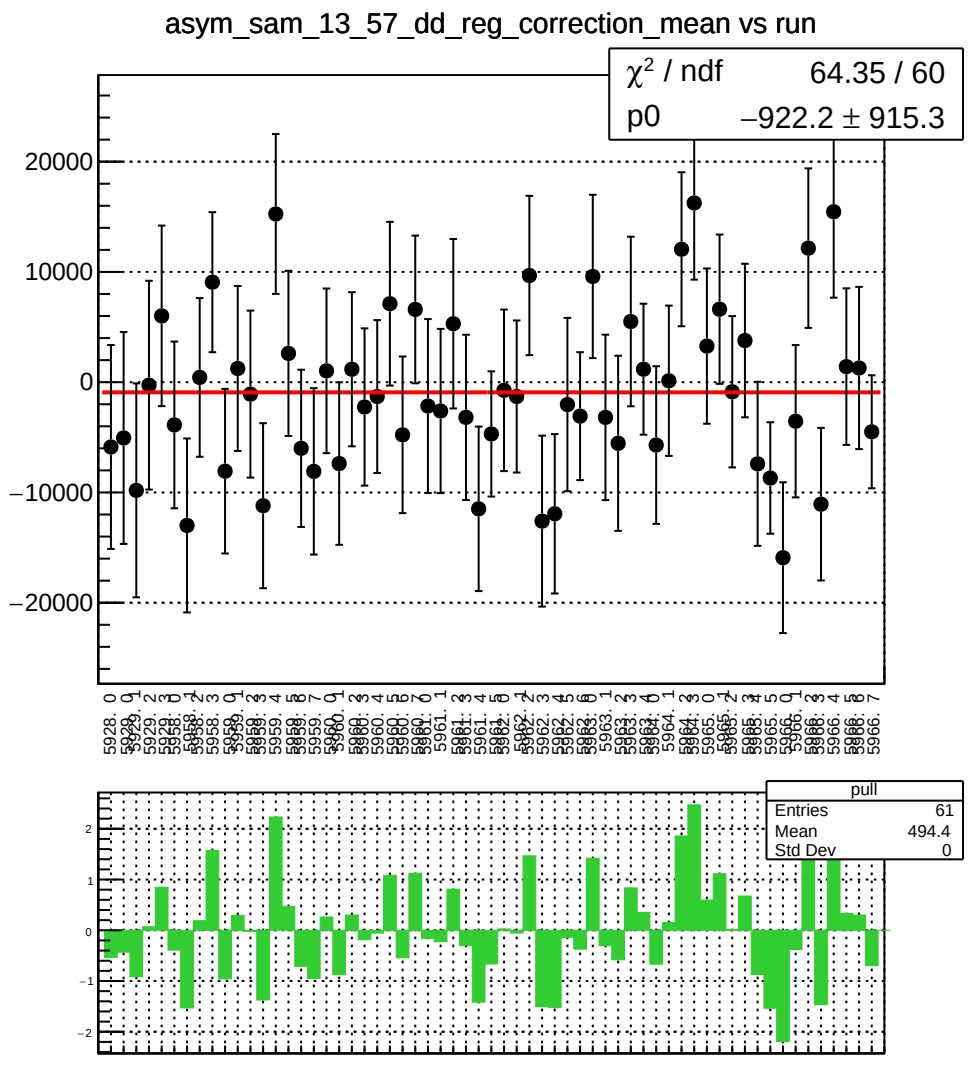

pull1D
Entries 61
Mean 0.003997
Std Dev 1.119

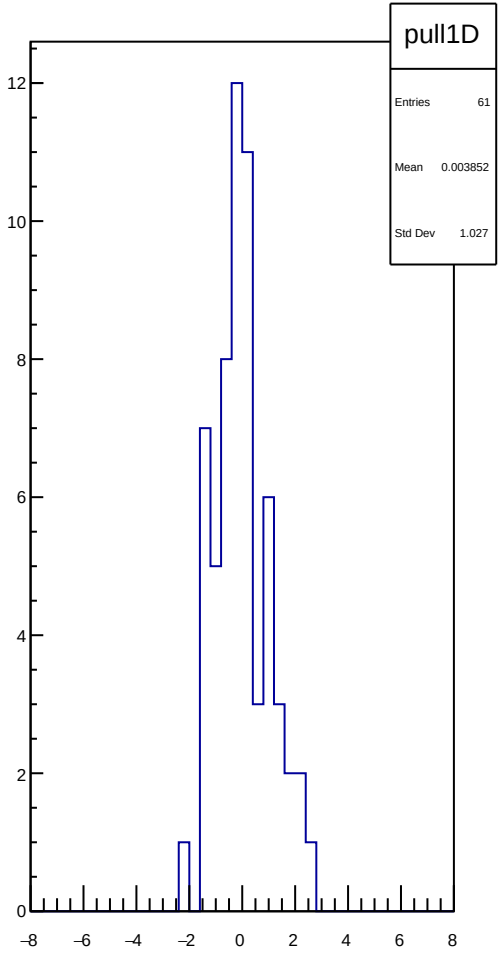

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.499e+05 / 60
p0 3.385e−11 ± 4.222e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

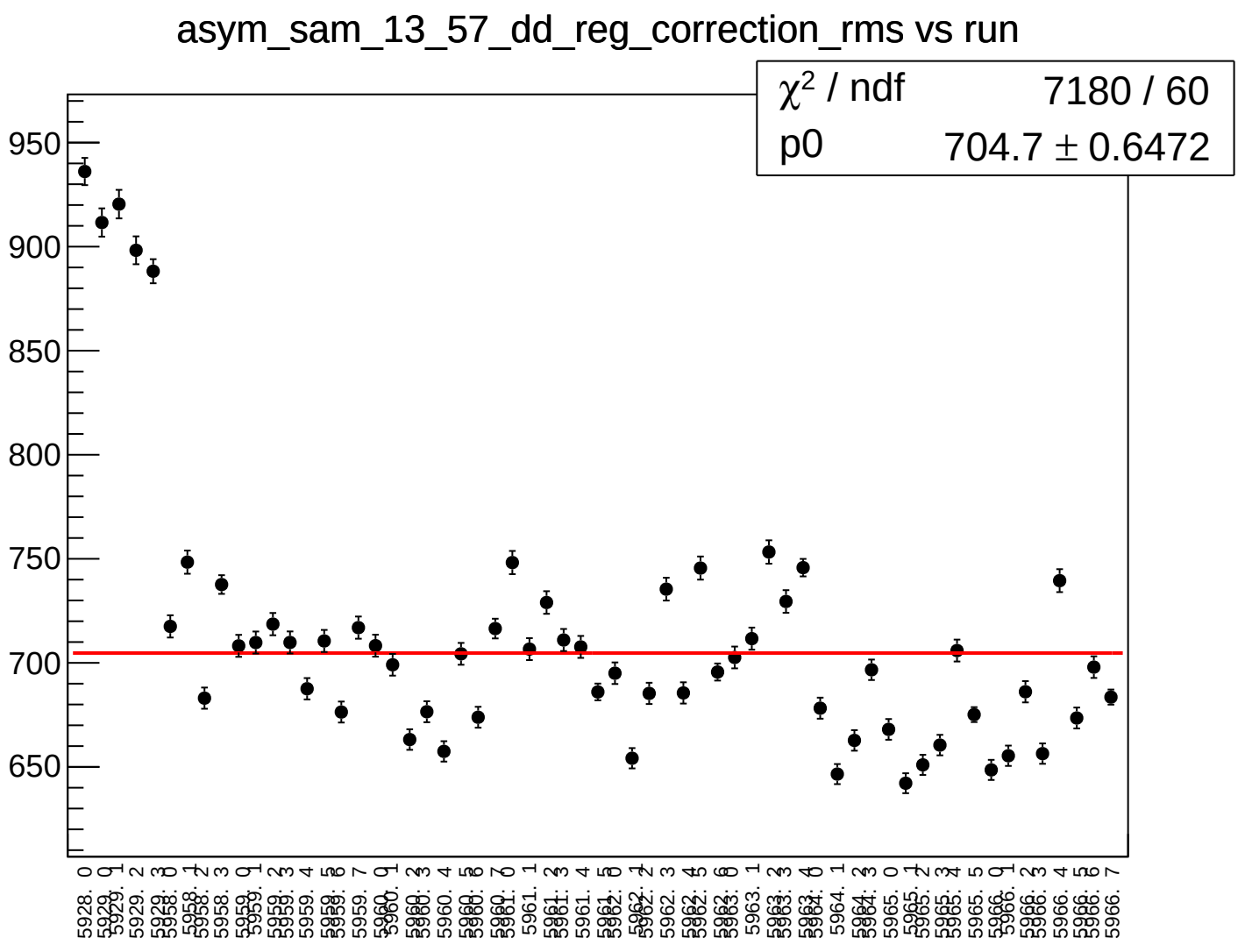

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.34 / 60
p0 −8.656 ± 83.18
pull
Entries 61
Mean 401.6
Std Dev 0

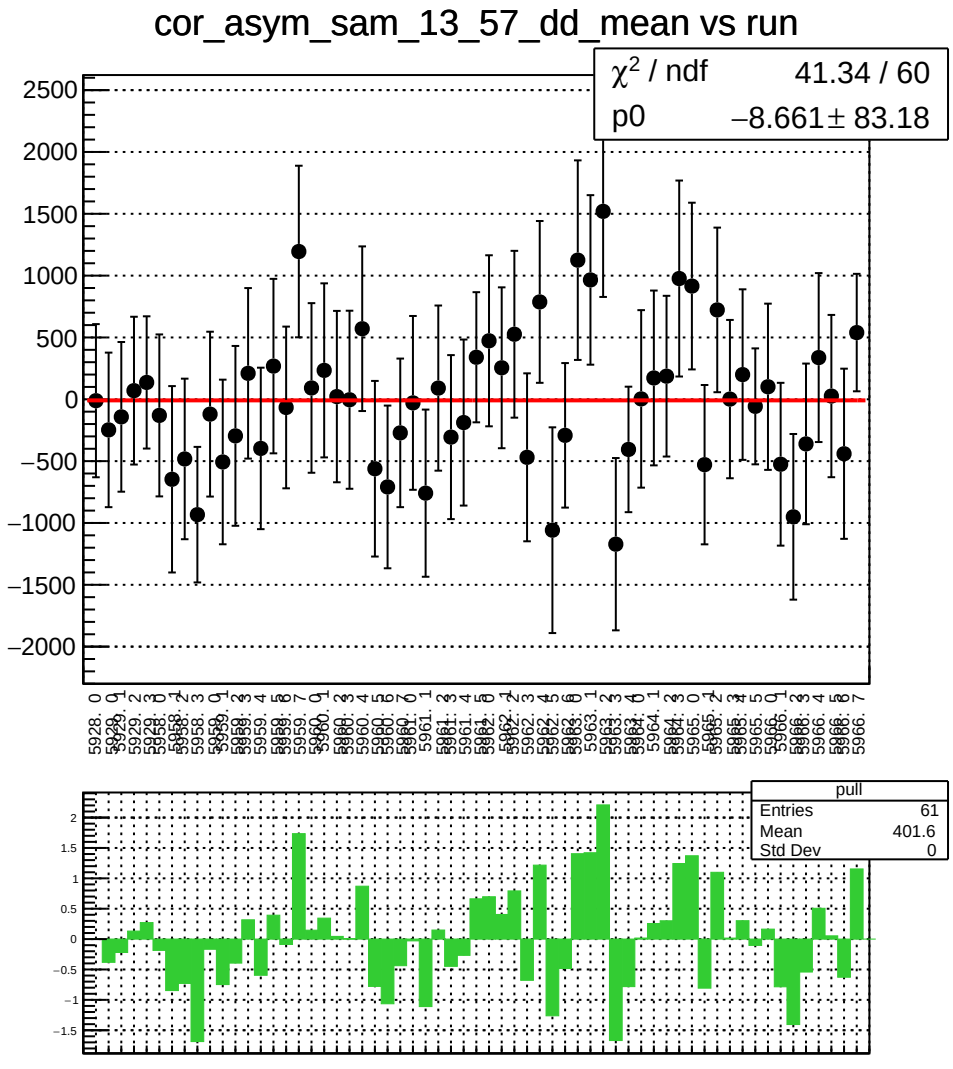

pull1D
Entries 61
Mean 0.006103
Std Dev 0.8232

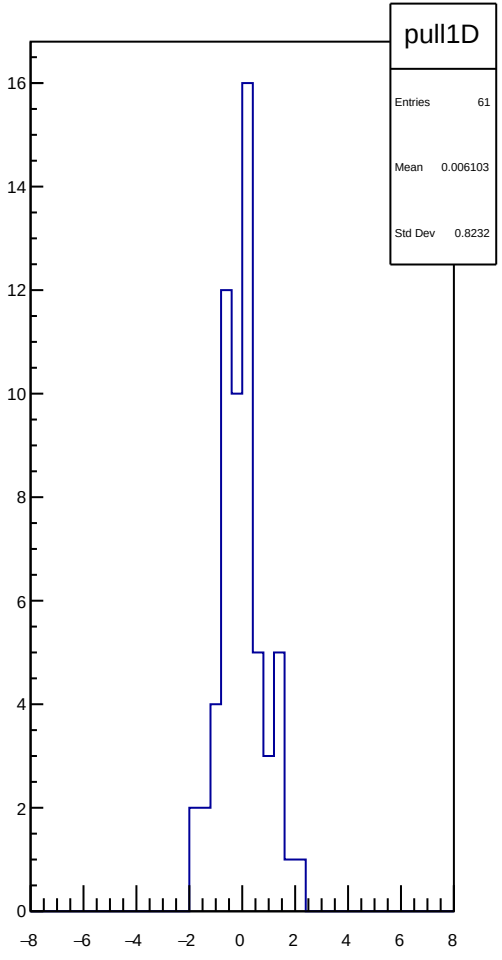

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 4067 / 60
p0 64.12 ± 0.05882
80
75
70
65
60
55

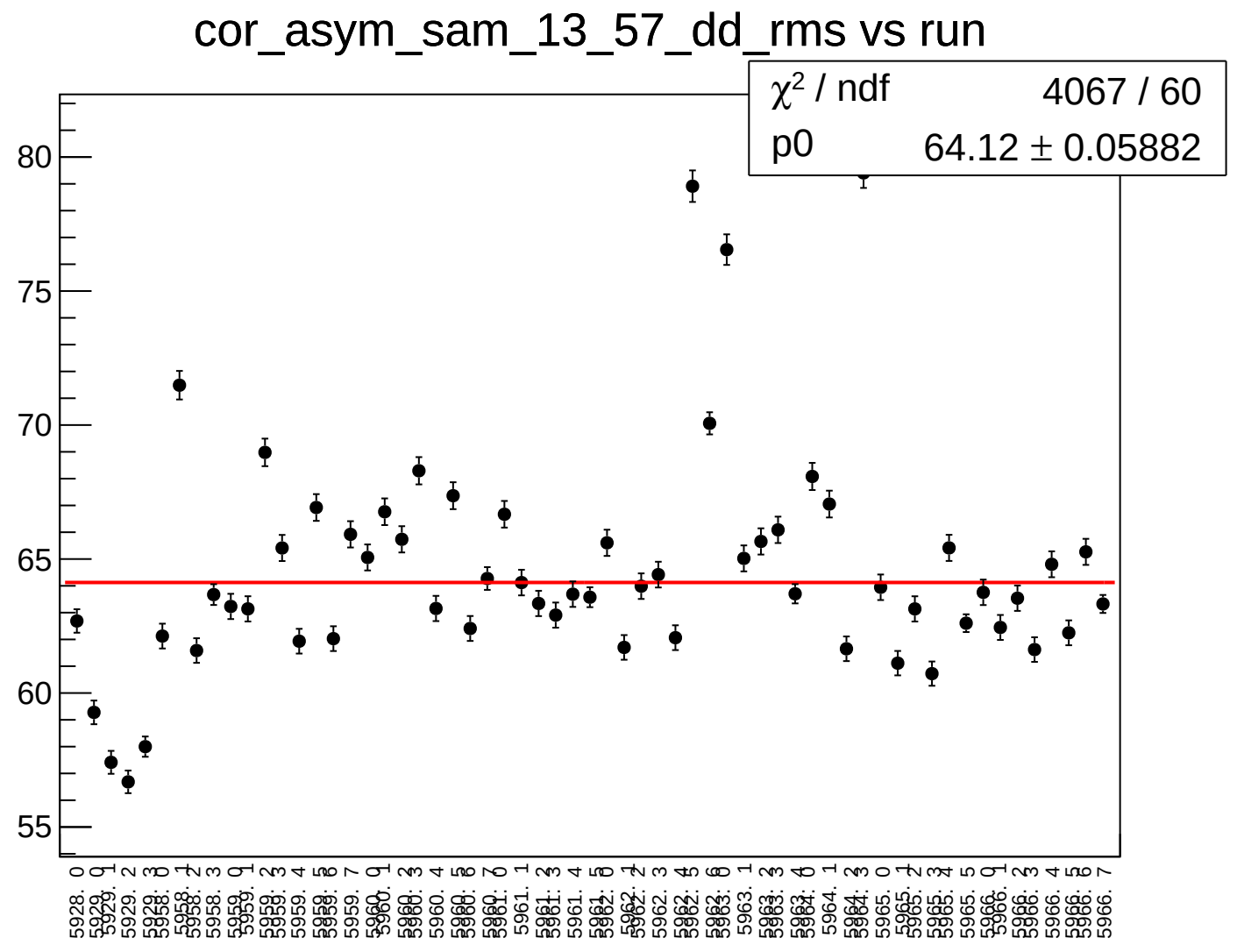

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 64.35 / 60
p0 −922.2 ± 915.3
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 494.4
Std Dev 0
2
1
0
−1
−2

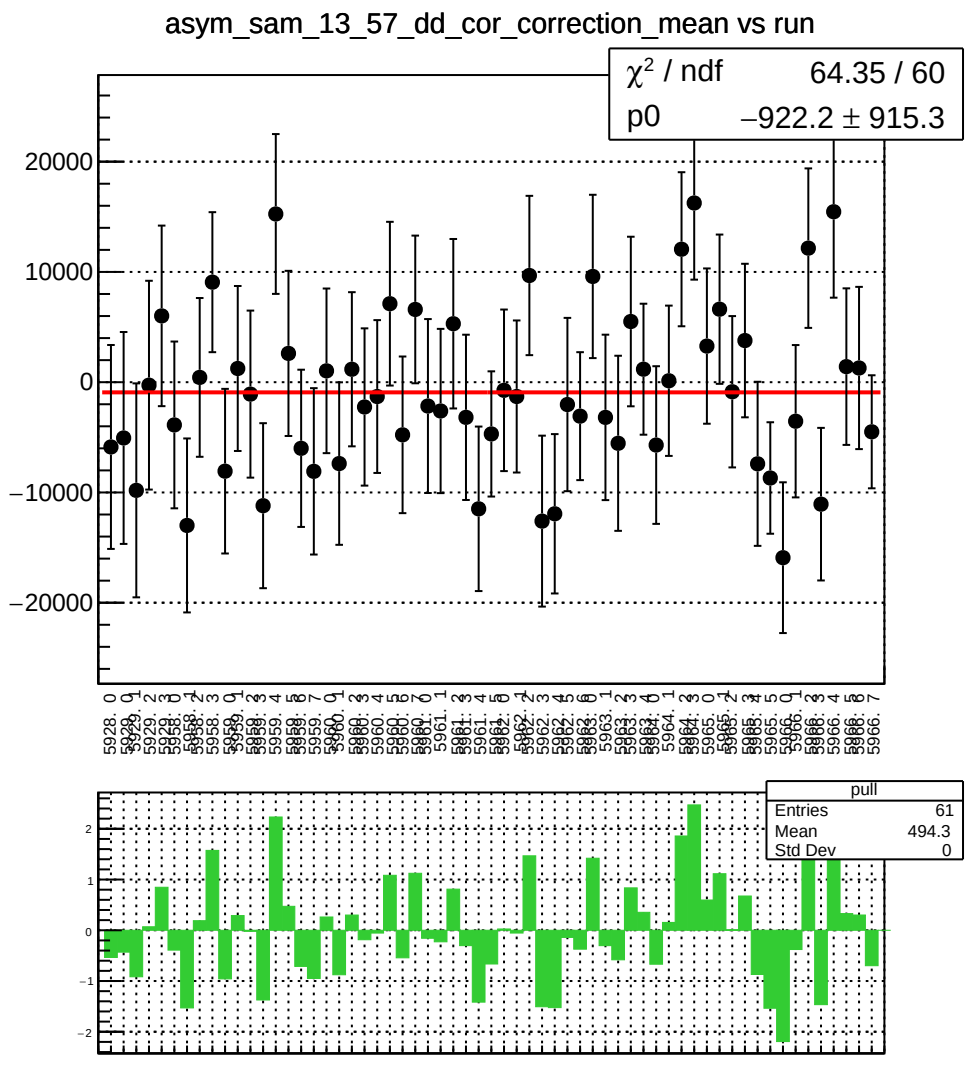

pull1D
Entries 61
Mean 0.003852
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

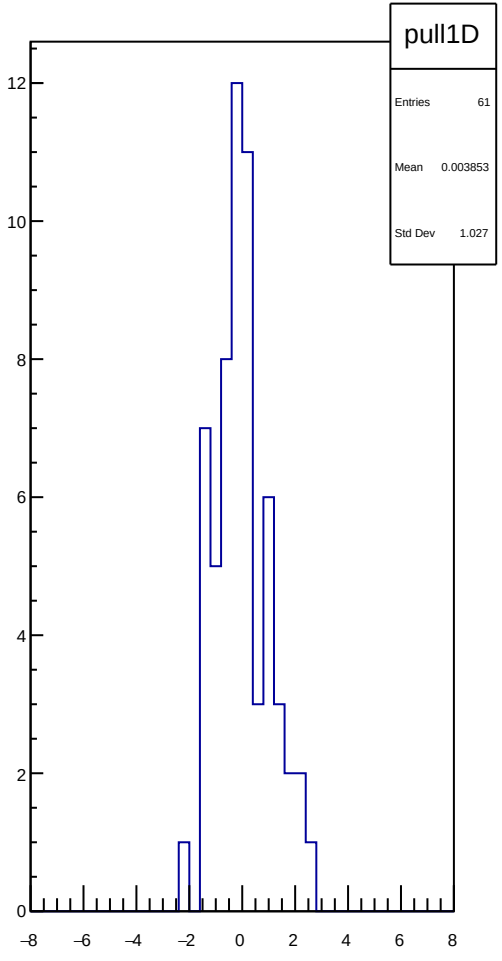

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 7180 / 60
p0 704.7 ± 0.6472
950
900
850
800
750
700
650

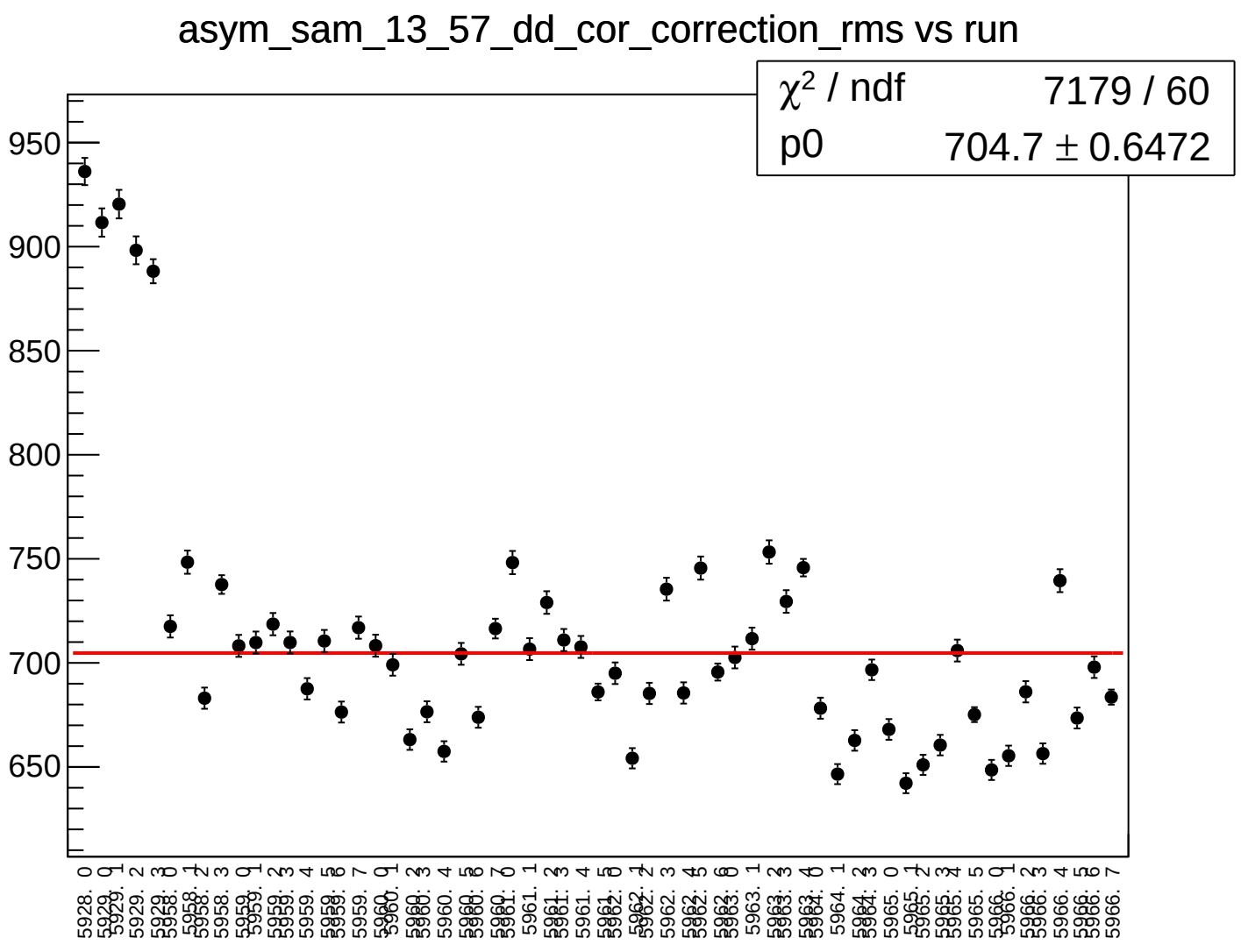

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.34 / 60
p0 −8.661 ± 83.18
pull
Entries 61
Mean 401.6
Std Dev 0

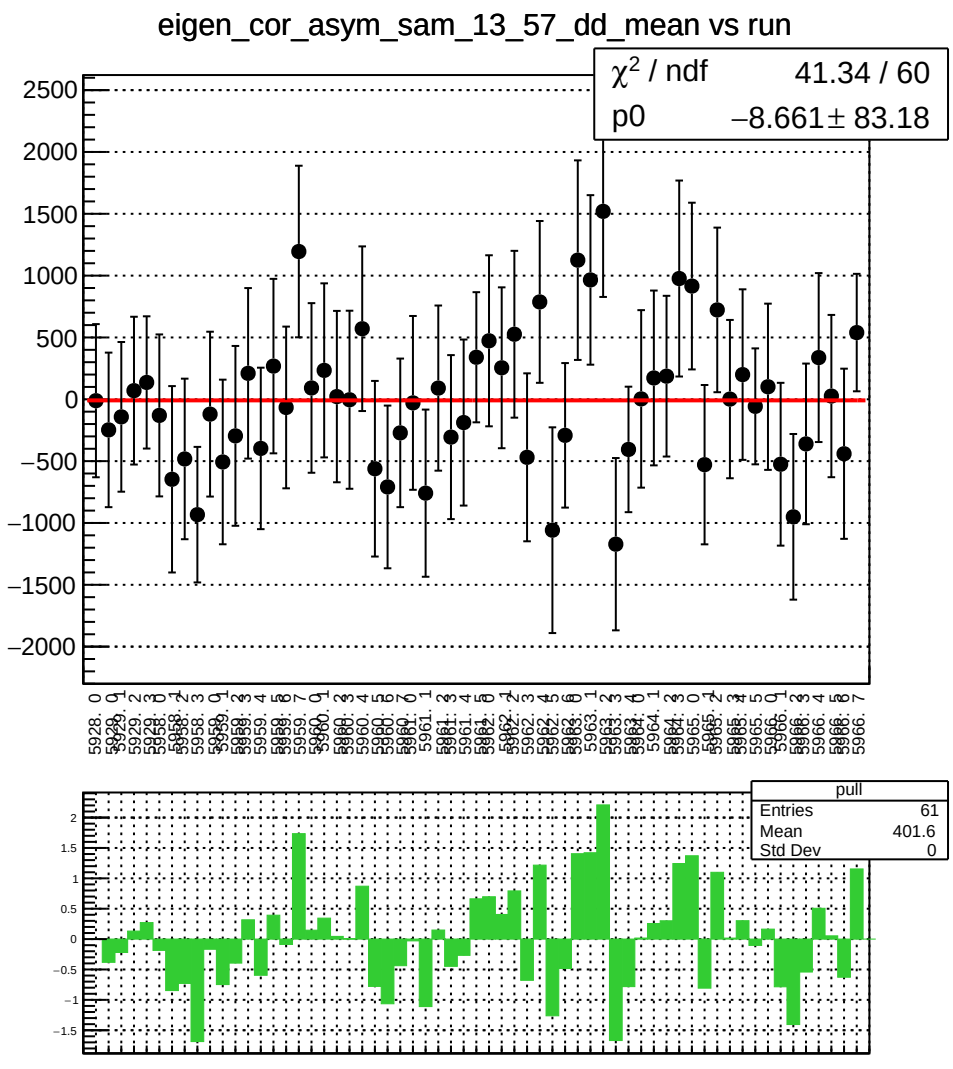

pull1D
Entries 61
Mean 0.006103
Std Dev 0.8232

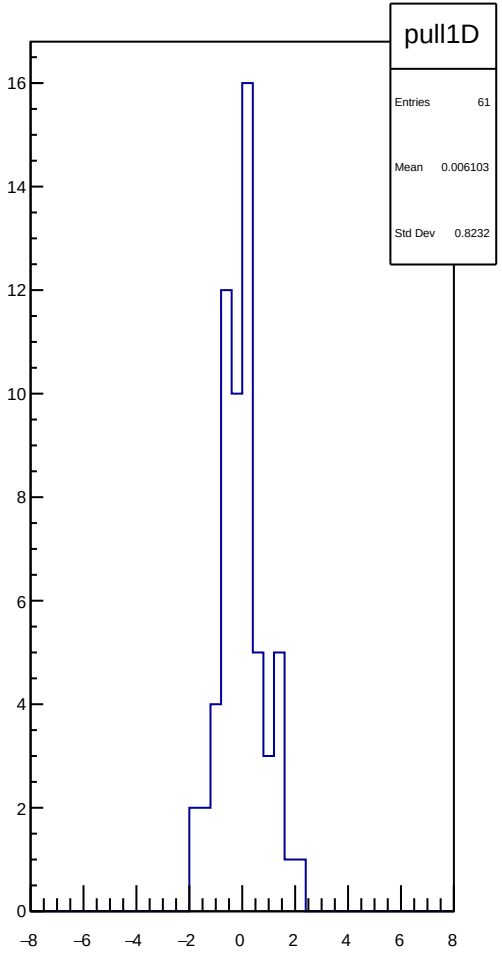

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4067 / 60
p0 64.12 ± 0.05882
80
75
70
65
60
55

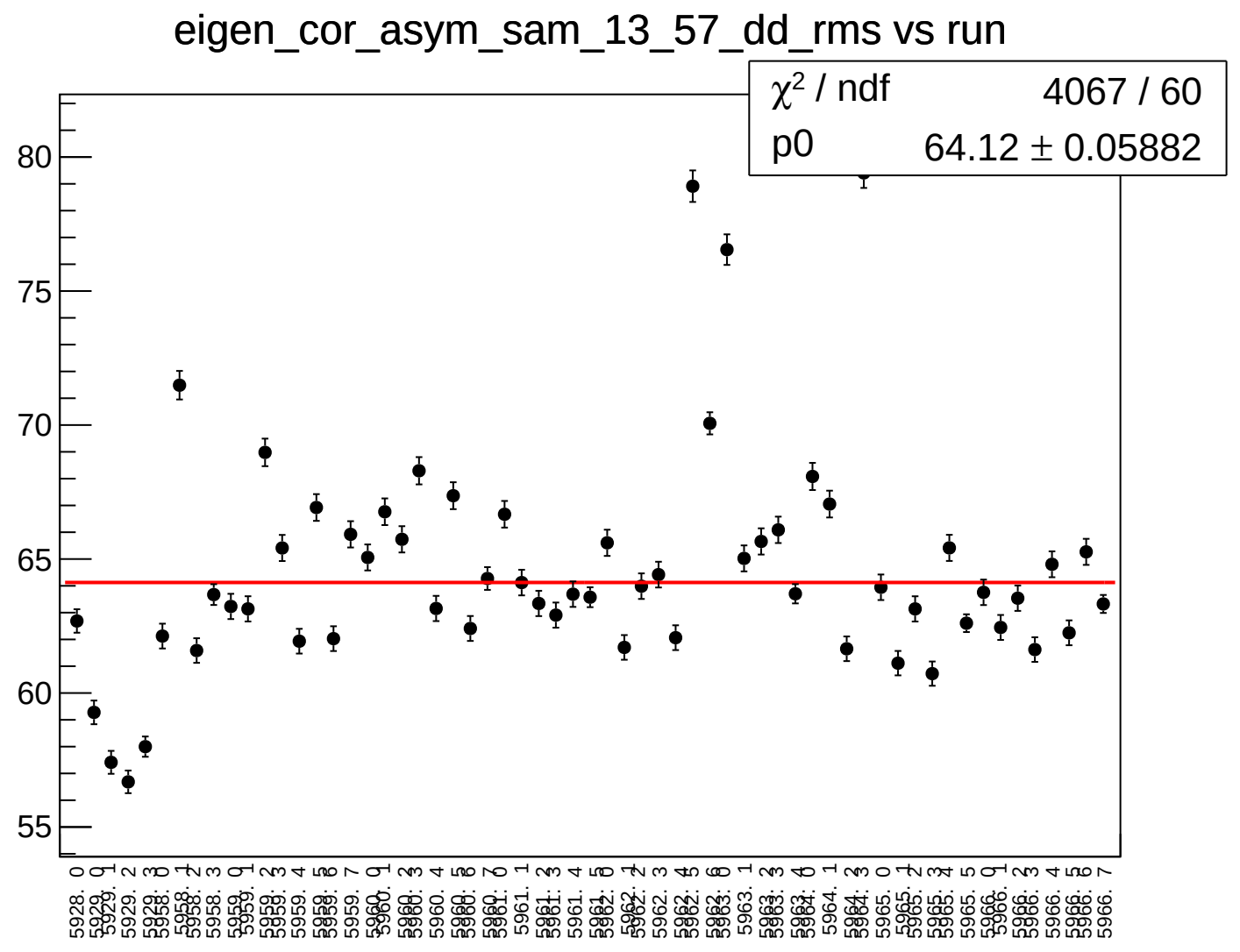

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 64.35 / 60
p0 −922.2 ± 915.3
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 494.3
Std Dev 0
2
1
0
−1
−2

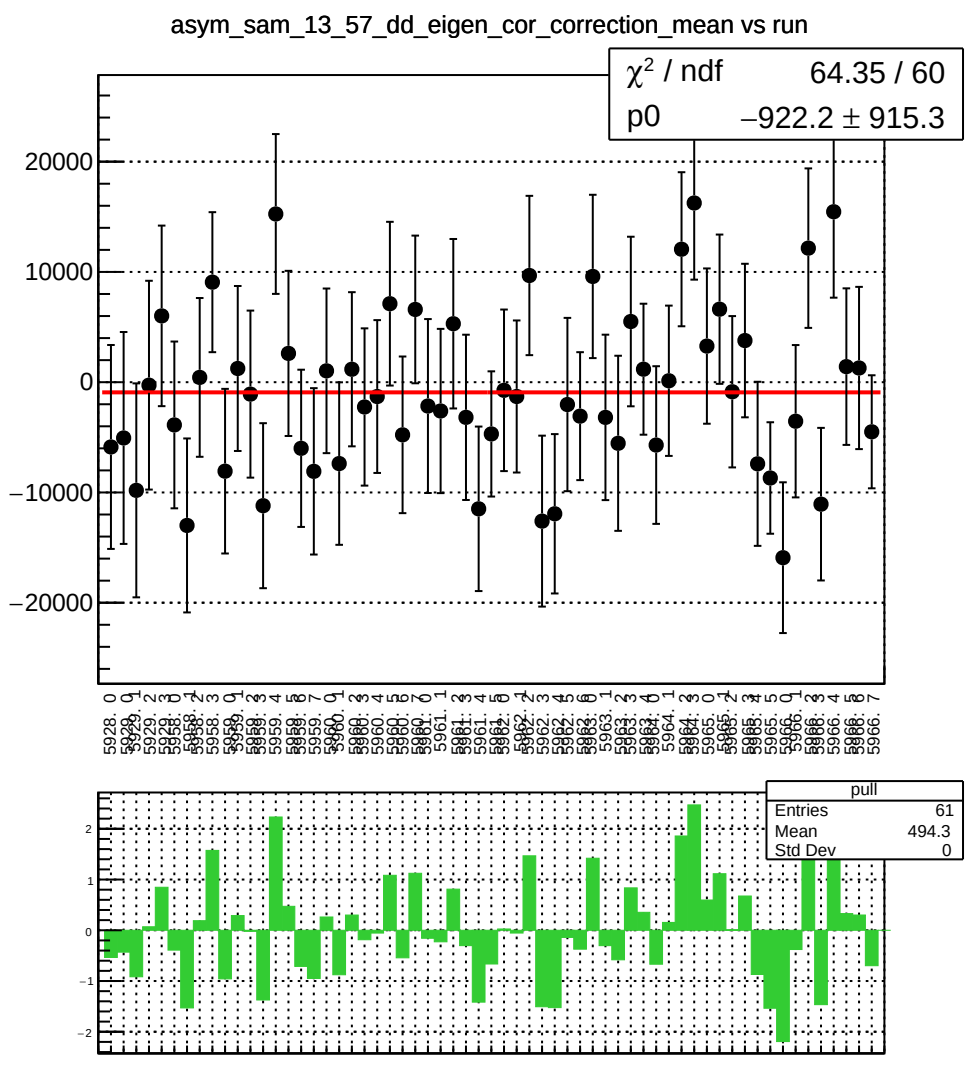

pull1D
Entries 61
Mean 0.003853
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

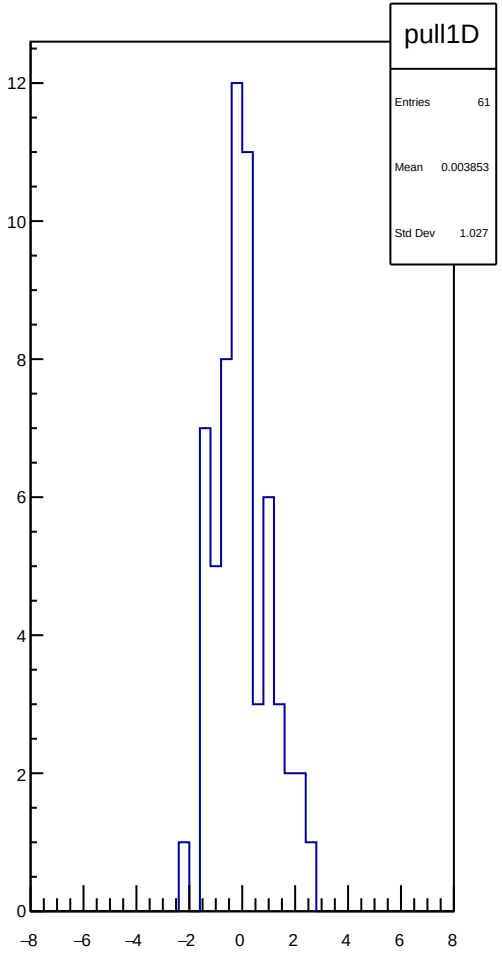

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 7179 / 60
p0 704.7 ± 0.6472
950
900
850
800
750
700
650

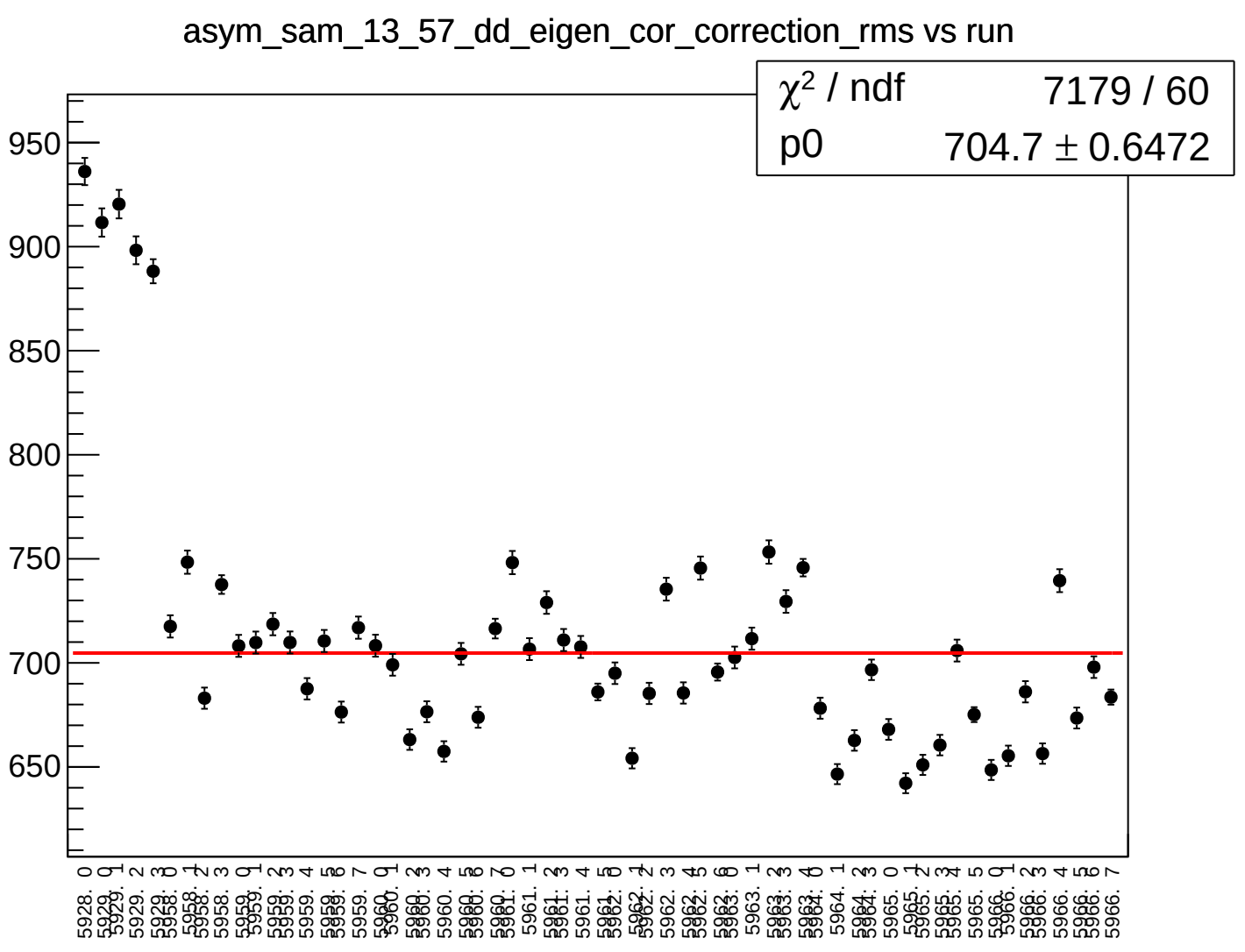

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 41.34 / 60
p0 −8.661 ± 83.18
pull
Entries 61
Mean 401.6
Std Dev 0

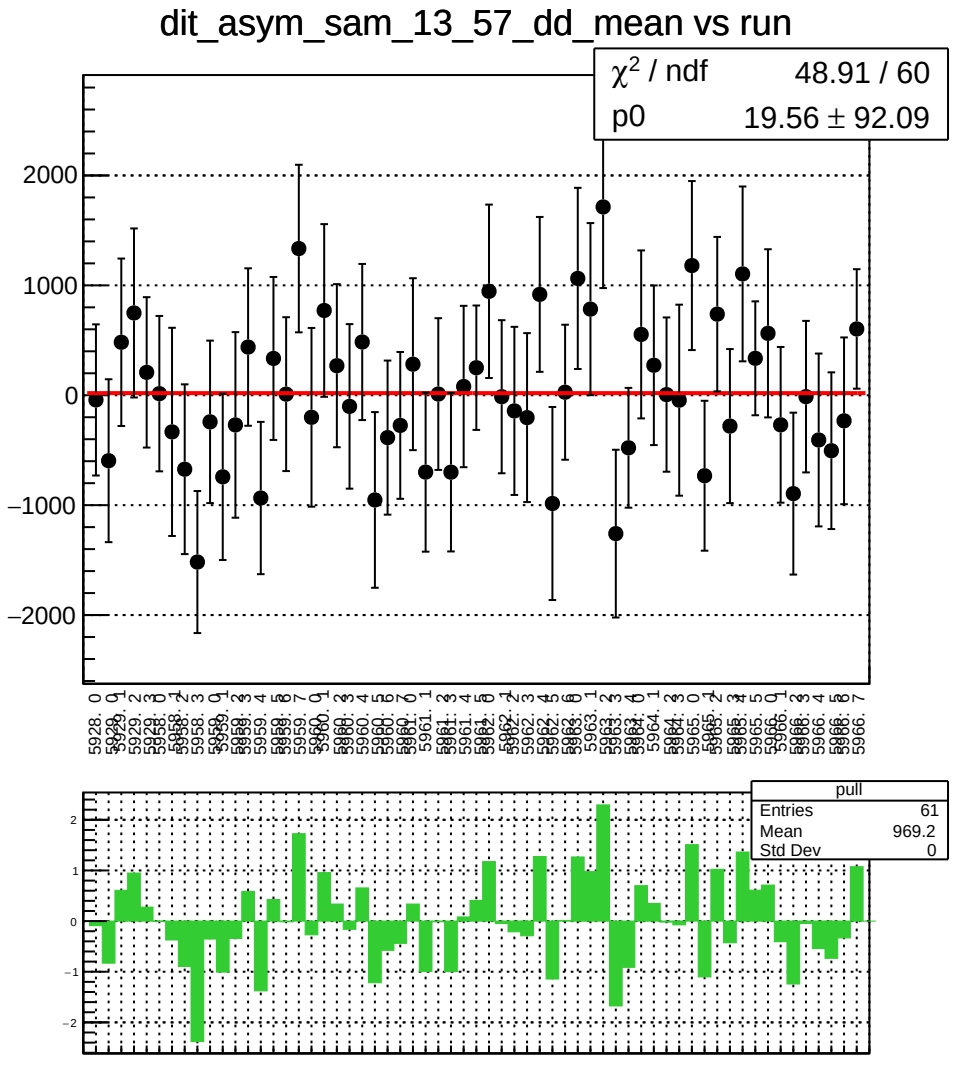

pull1D
Entries 61
Mean 0.006103
Std Dev 0.8232

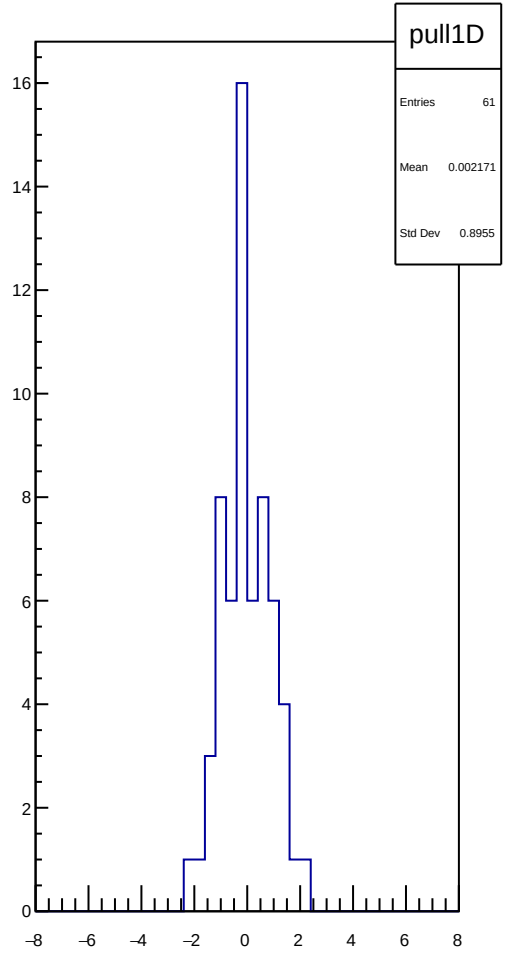

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4067 / 60
p0 64.12 ± 0.05882
80
75
70
65
60
55

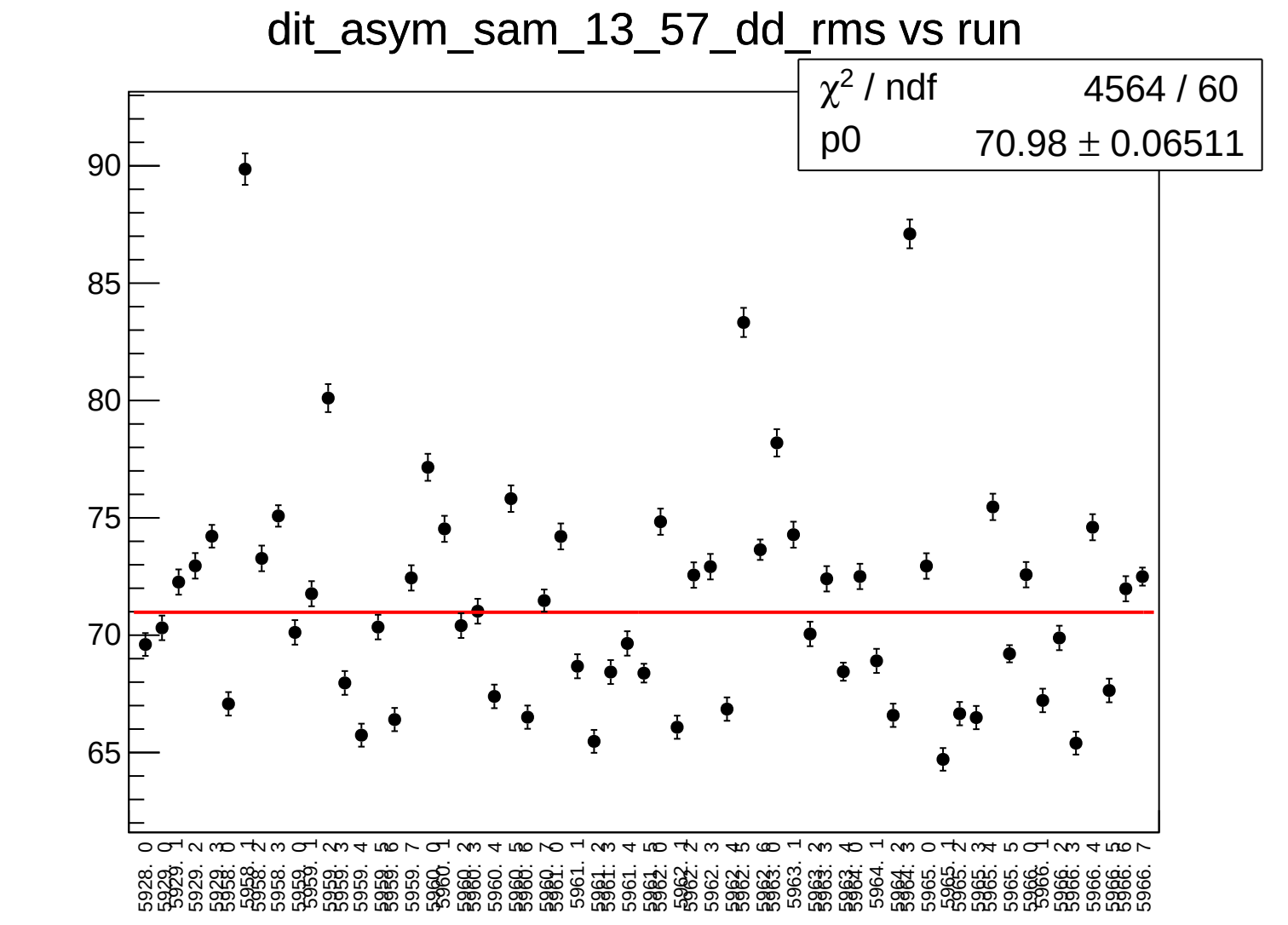

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.35 / 60
p0 −922.2 ± 915.3
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 494.3
Std Dev 0
2
1
0
−1
−2

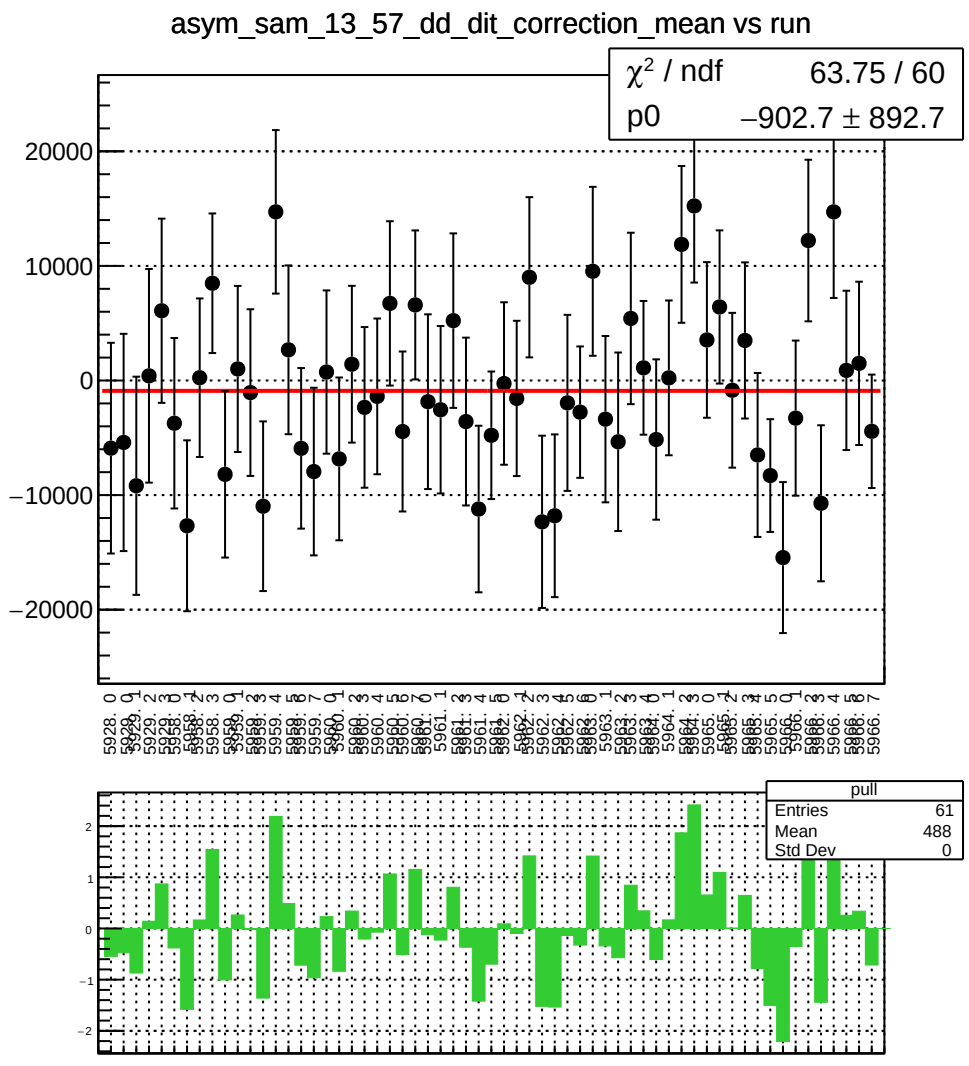

pull1D
Entries 61
Mean 0.003853
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

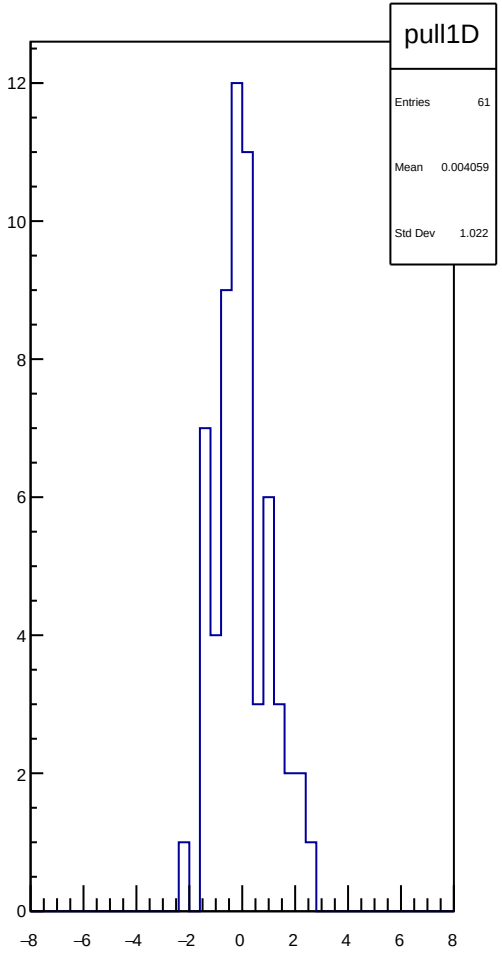

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 7179 / 60
p0 704.7 ± 0.6472
950
900
850
800
750
700
650

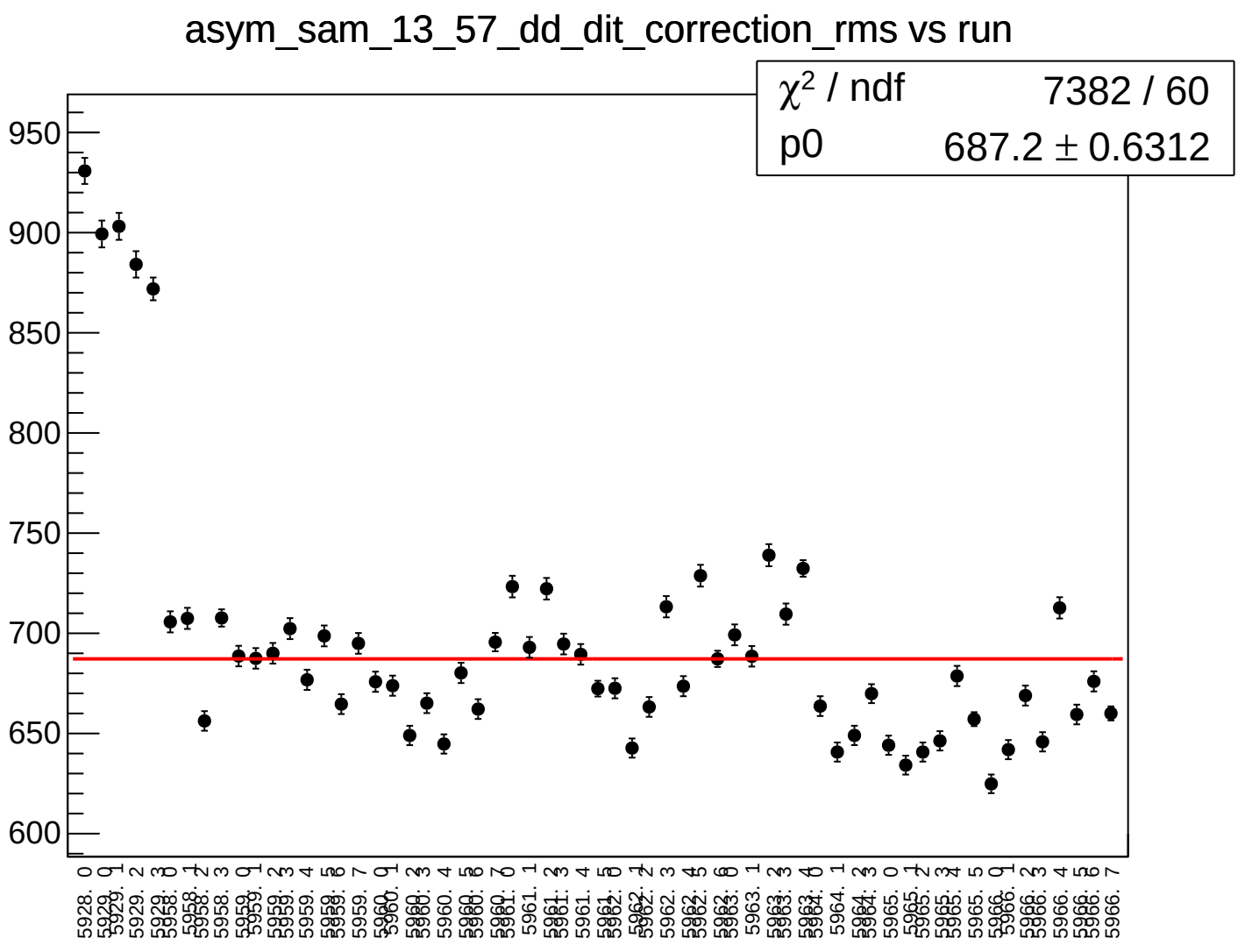

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.91 / 60
p0 19.56 ± 92.09
2000
1000
0
−1000
−2000
pull
Entries 61
Mean 969.2
Std Dev 0
2
1
0
−1
−2

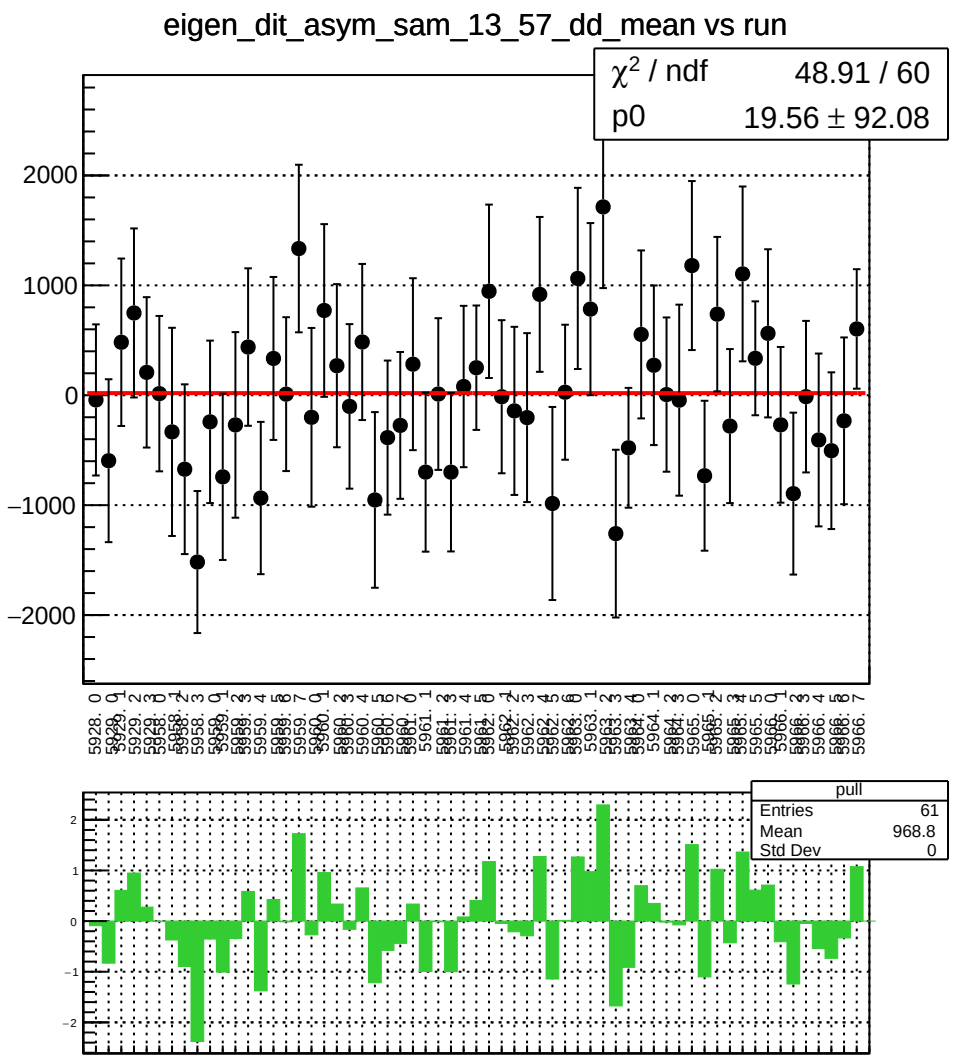

pull1D
Entries 61
Mean 0.002171
Std Dev 0.8955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

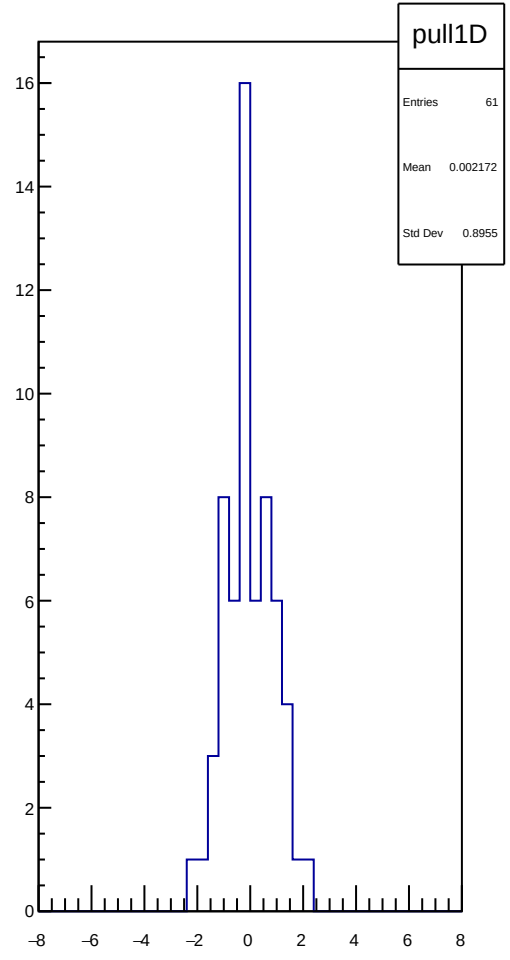

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4564 / 60
p0 70.98 ± 0.06511
90
85
80
75
70
65

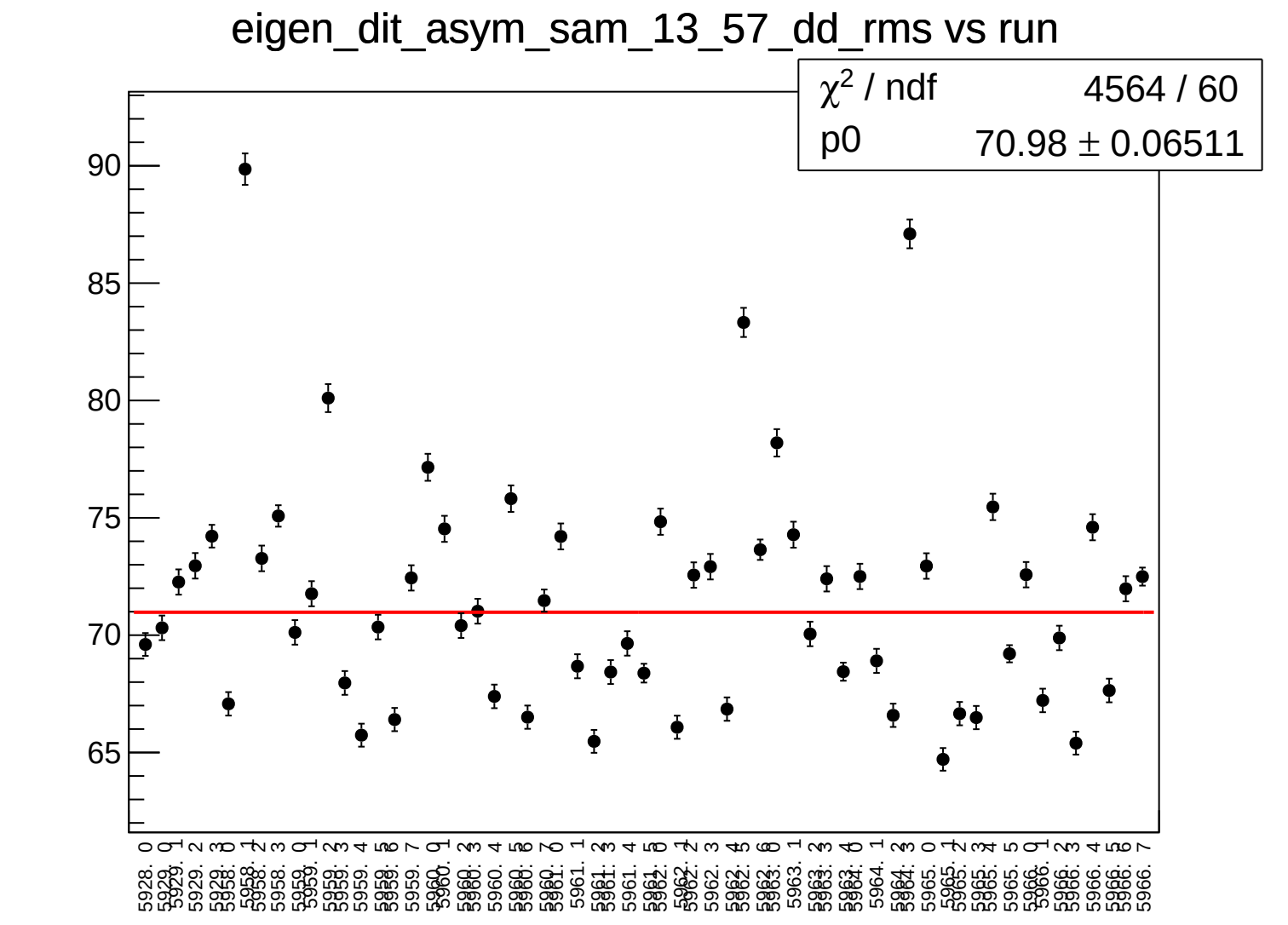

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 63.75 / 60
p0 −902.7 ± 892.7
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 488
Std Dev 0
2
1
0
−1
−2

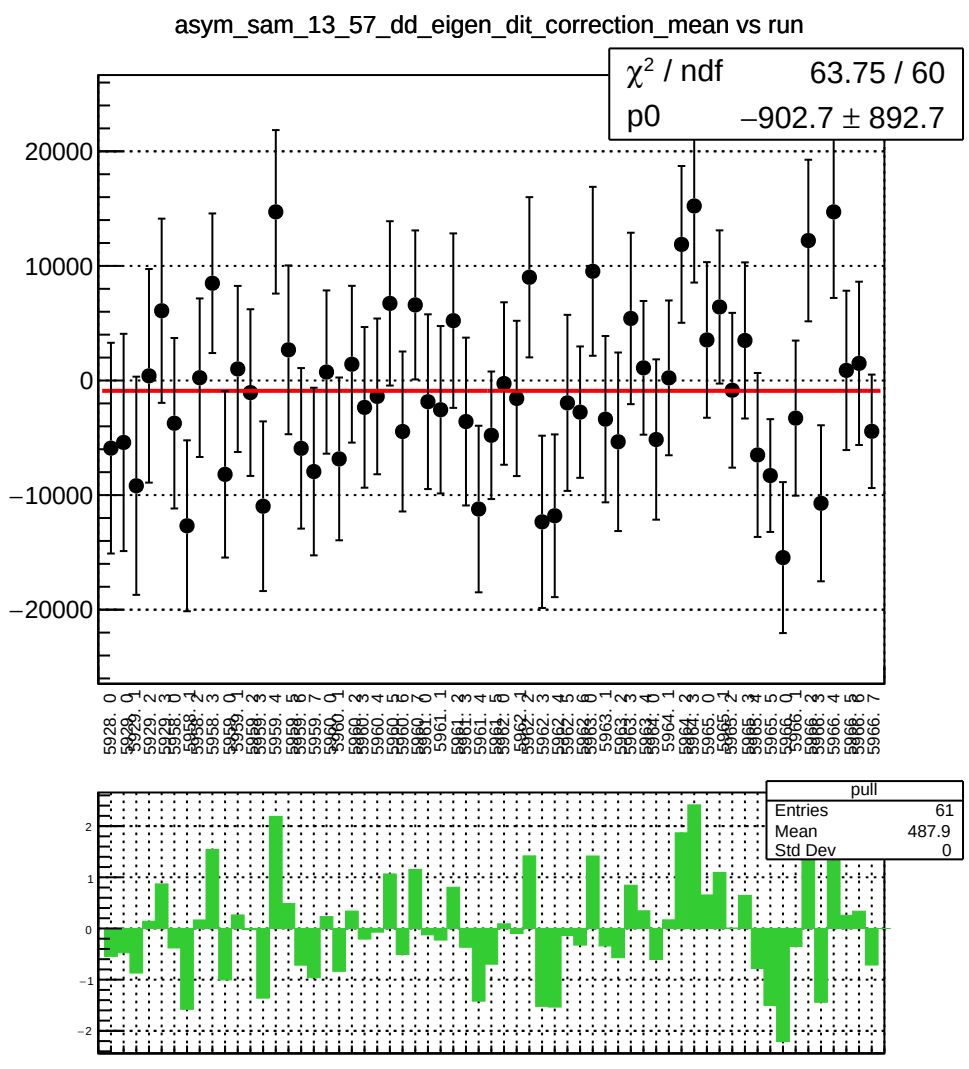

pull1D
Entries 61
Mean 0.004059
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

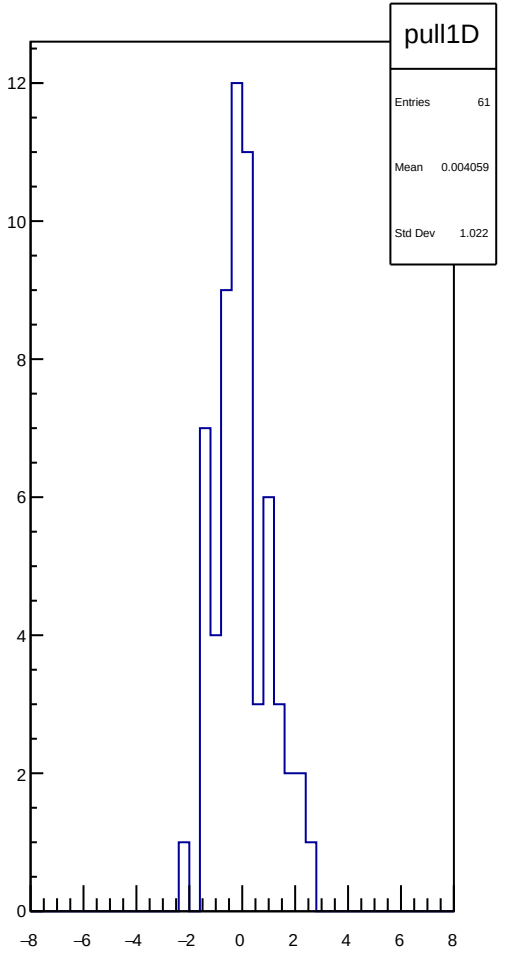

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 7382 / 60
p0 687.2 ± 0.6312
950
900
850
800
750
700
650
600

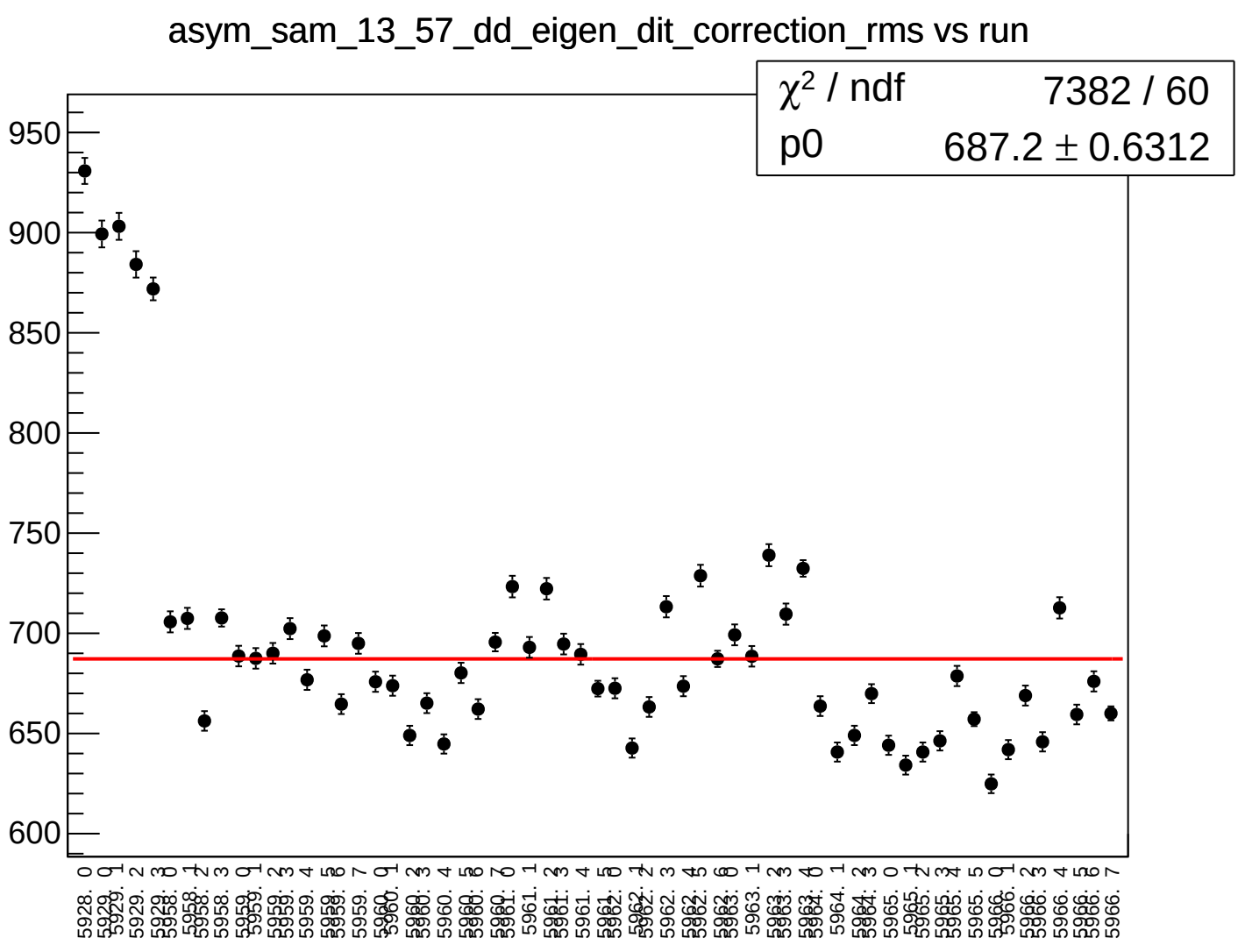

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 48.91 / 60
p0 19.56 ± 92.08
2000
1000
0
−1000
−2000
pull
Entries 61
Mean 968.8
Std Dev 0
2
1
0
−1
−2

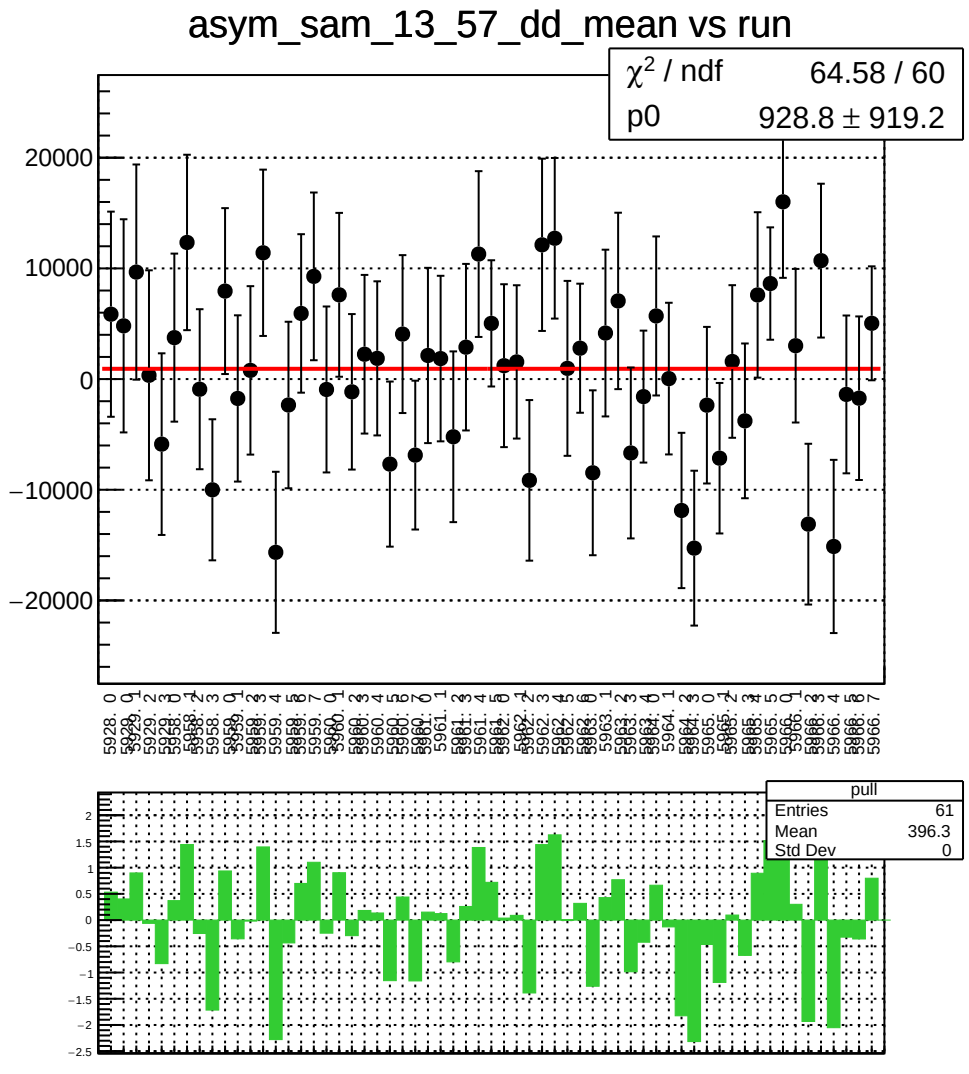

pull1D
Entries 61
Mean 0.002172
Std Dev 0.8955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

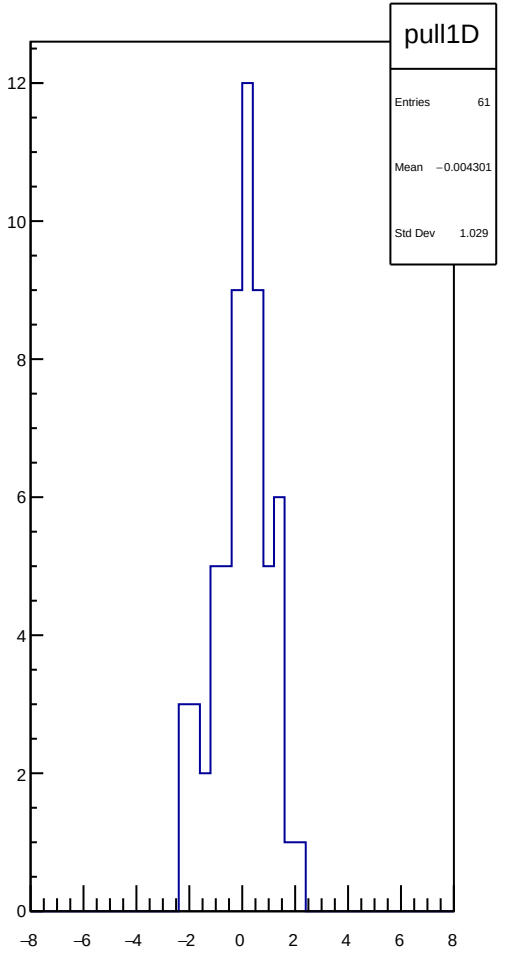

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4564 / 60
p0 70.98 ± 0.06511
90
85
80
75
70
65

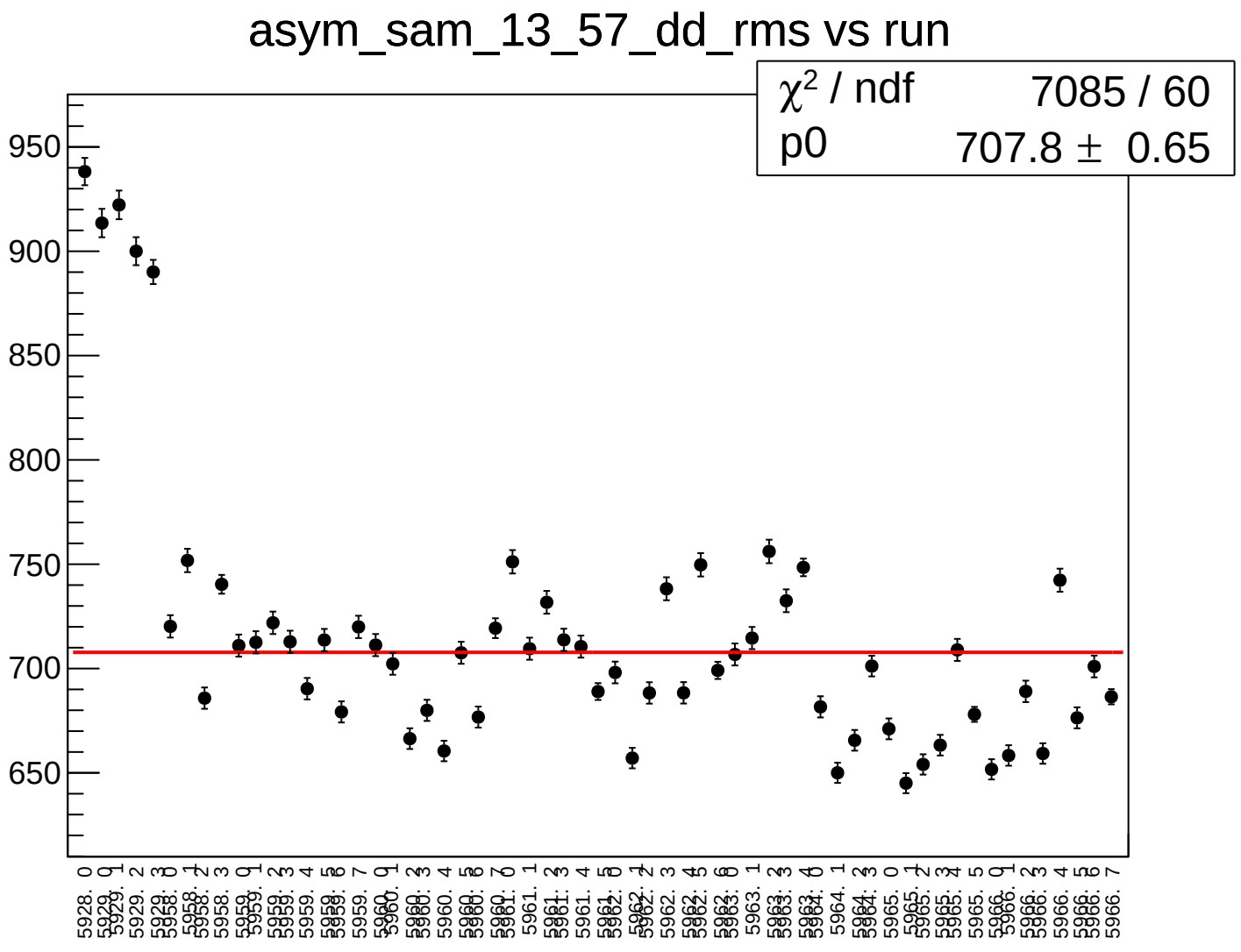

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.75 / 60
p0 −902.7 ± 892.7
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 487.9
Std Dev 0
2
1
0
−1
−2

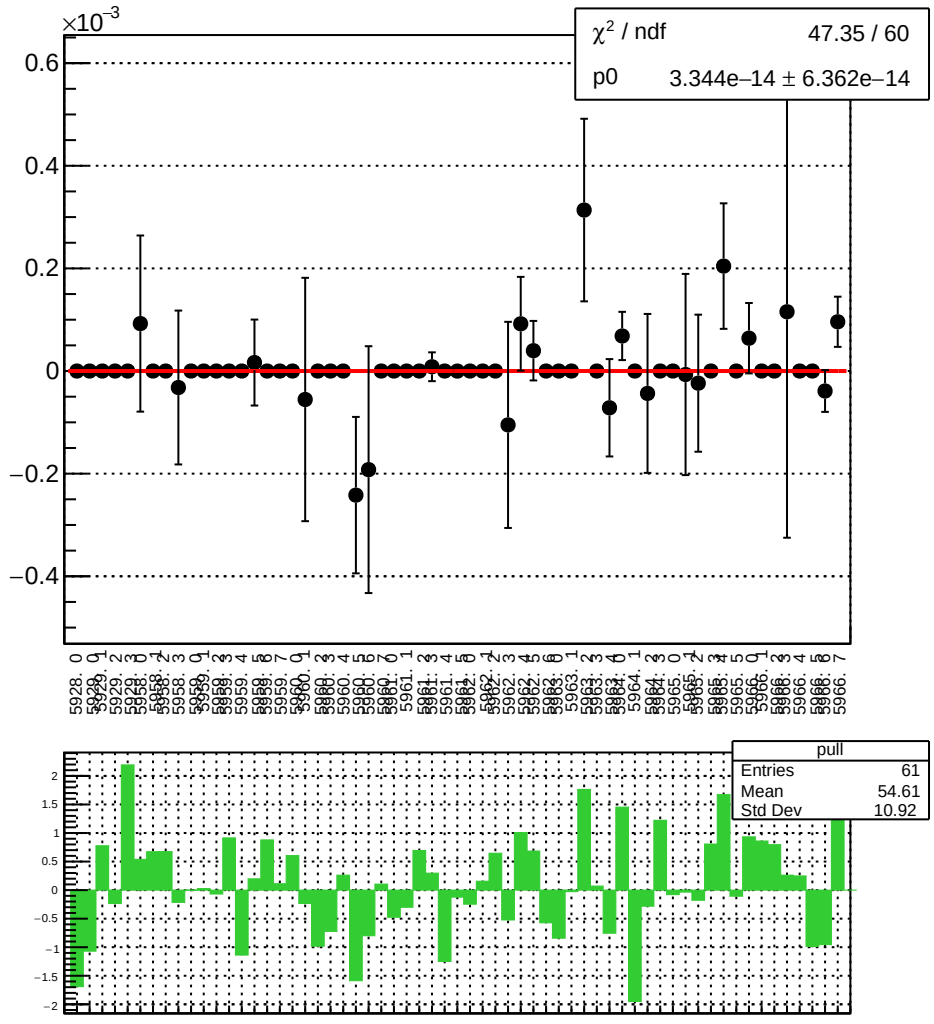

pull1D
Entries 61
Mean 0.004059
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

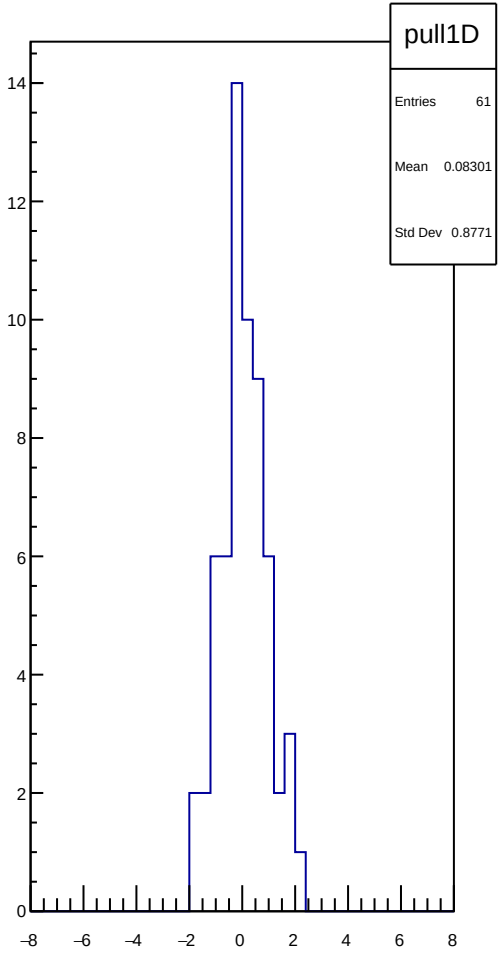

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 7382 / 60
p0 687.2 ± 0.6312
950
900
850
800
750
700
650
600

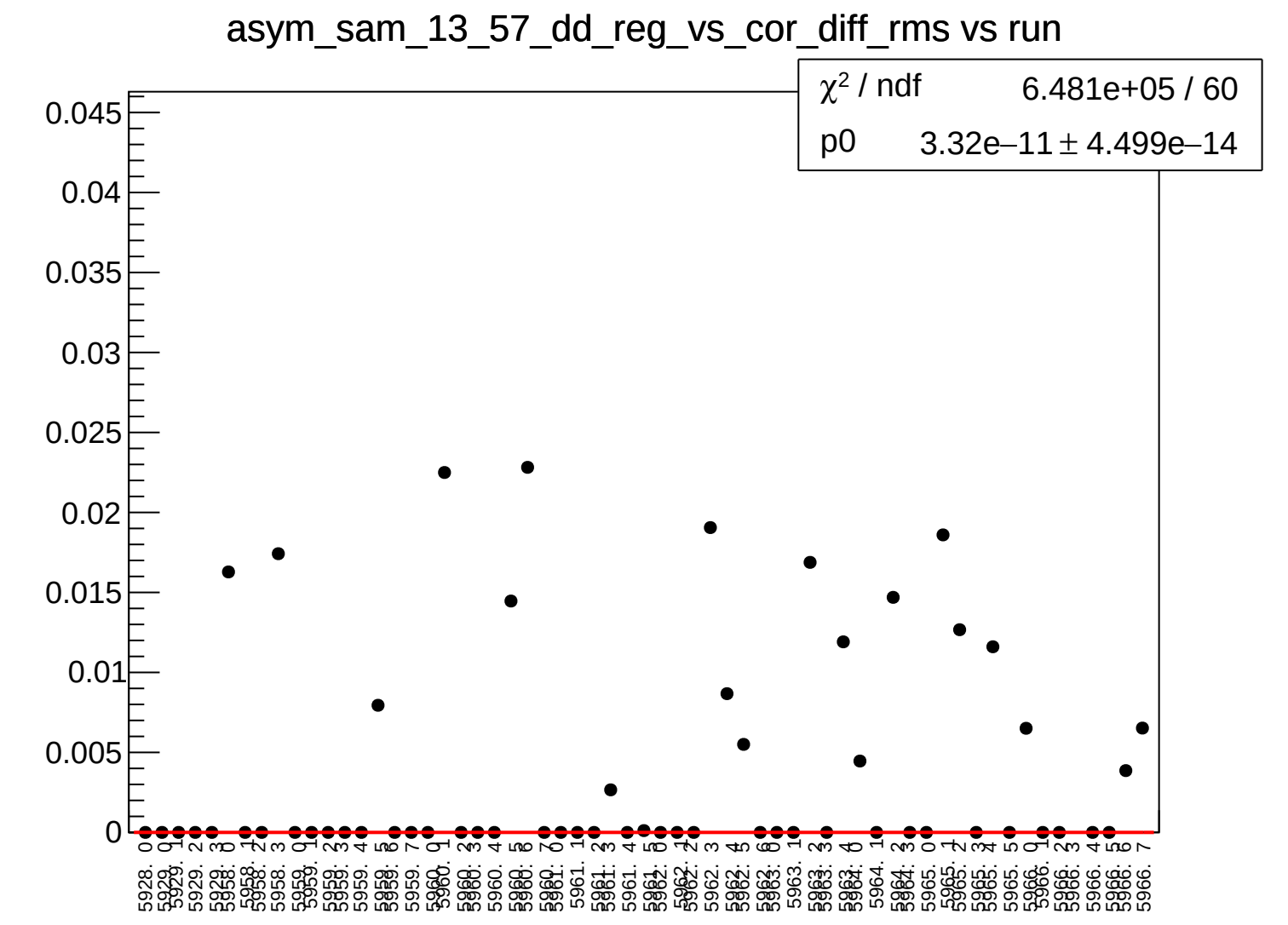

asym_sam_13_57_dd_mean vs run
χ² / ndf 64.58 / 60
p0 928.8 ± 919.2
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 396.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

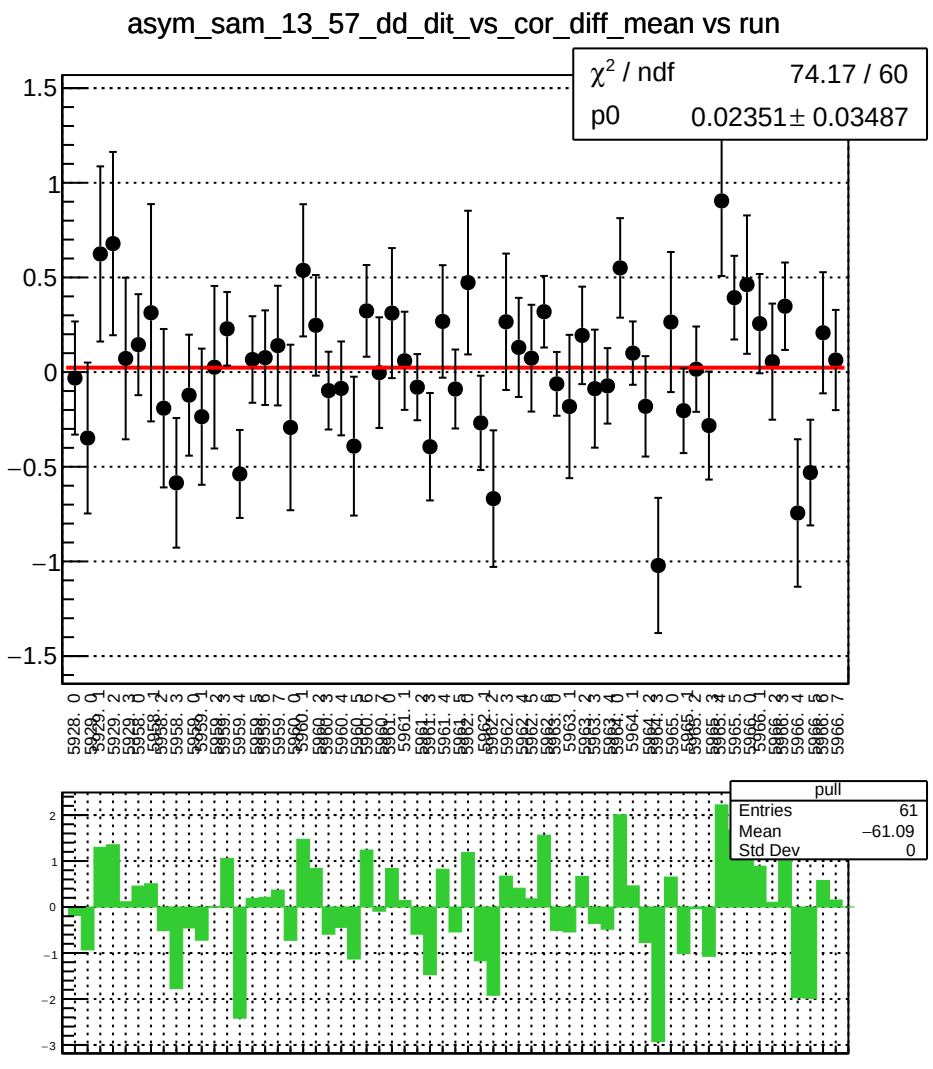

pull1D
Entries 61
Mean −0.004301
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

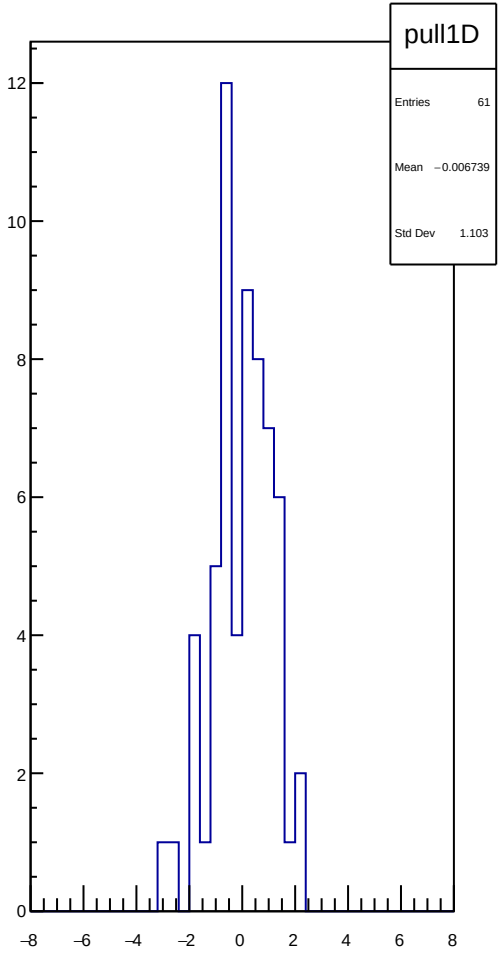

asym_sam_13_57_dd_rms vs run
χ² / ndf 7085 / 60
p0 707.8 ± 0.65
950
900
850
800
750
700
650

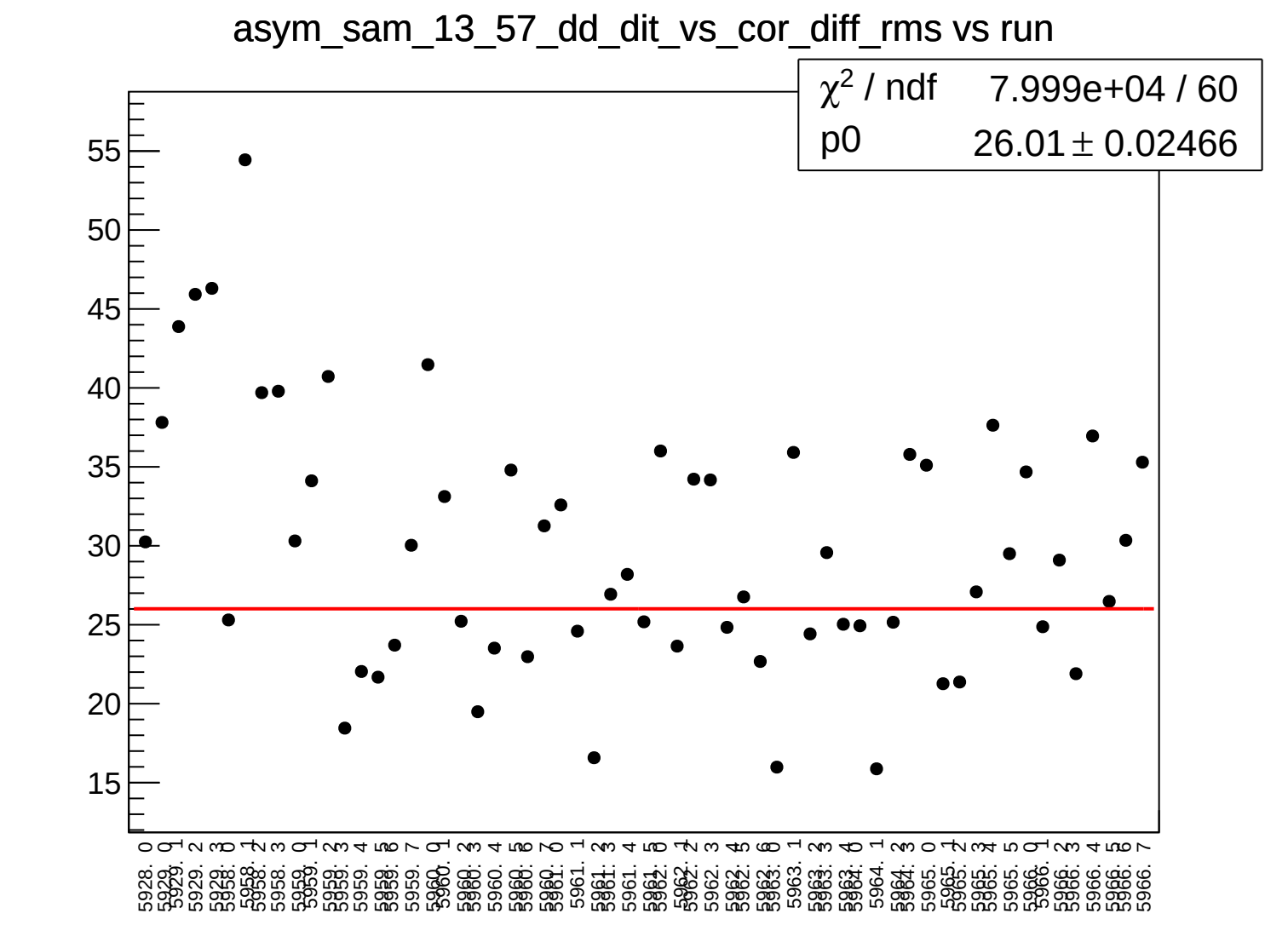

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 47.35 / 60
p0 3.344e−14 ± 6.362e−14
pull
Entries 61
Mean 54.61
Std Dev 10.92

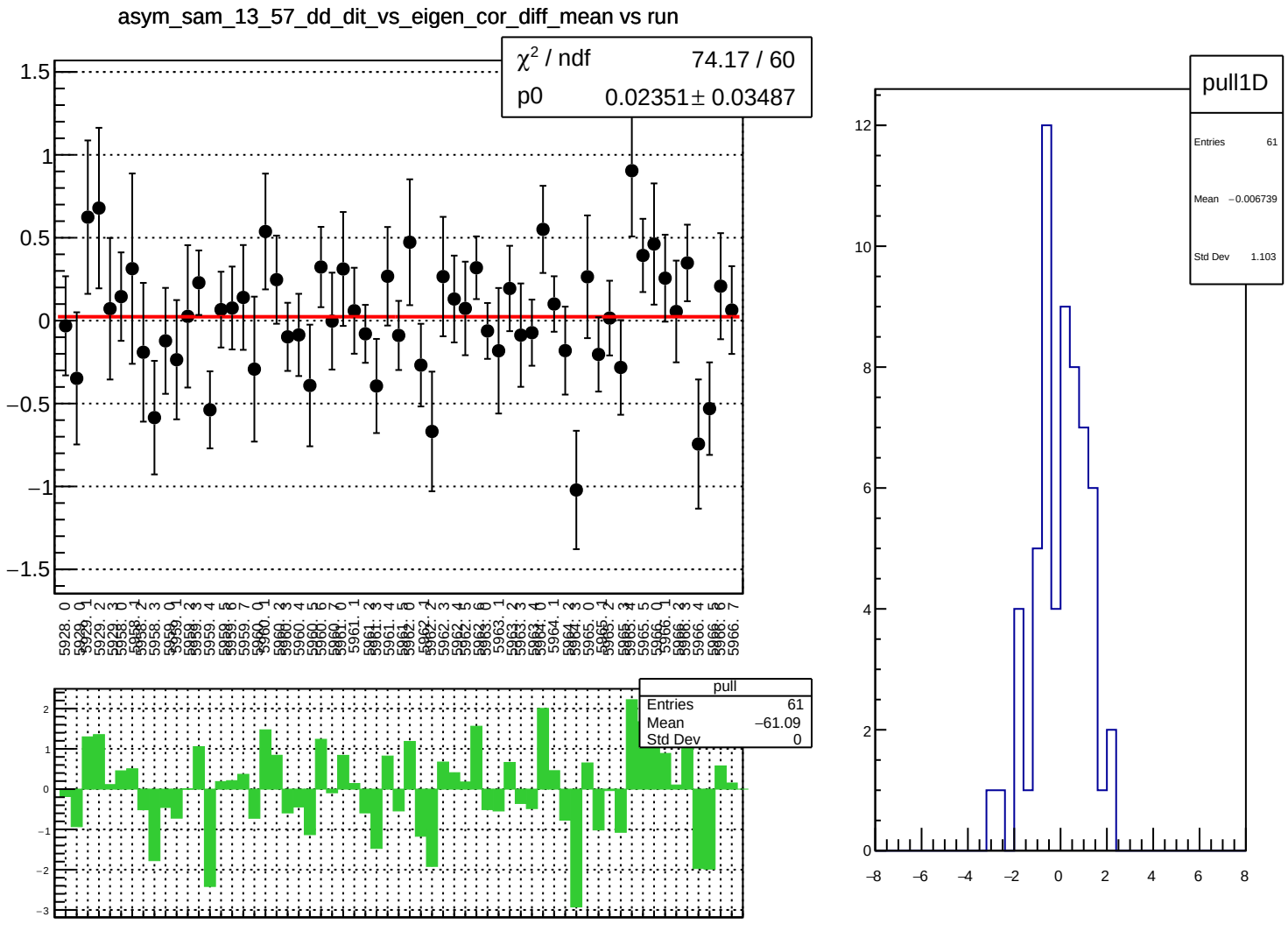

pull1D
Entries 61
Mean 0.08301
Std Dev 0.8771

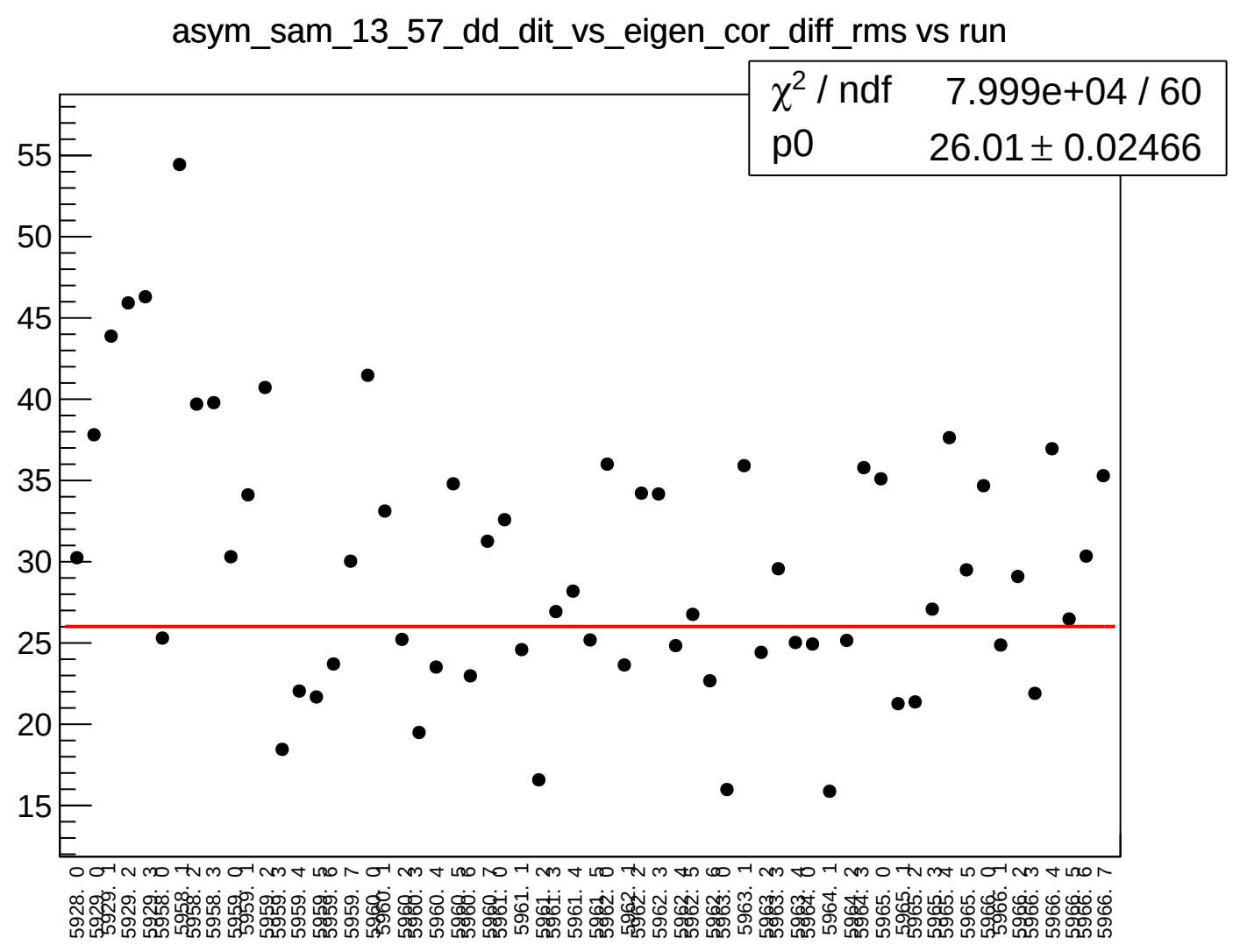

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.481e+05 / 60
p0 3.32e−11 ± 4.499e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

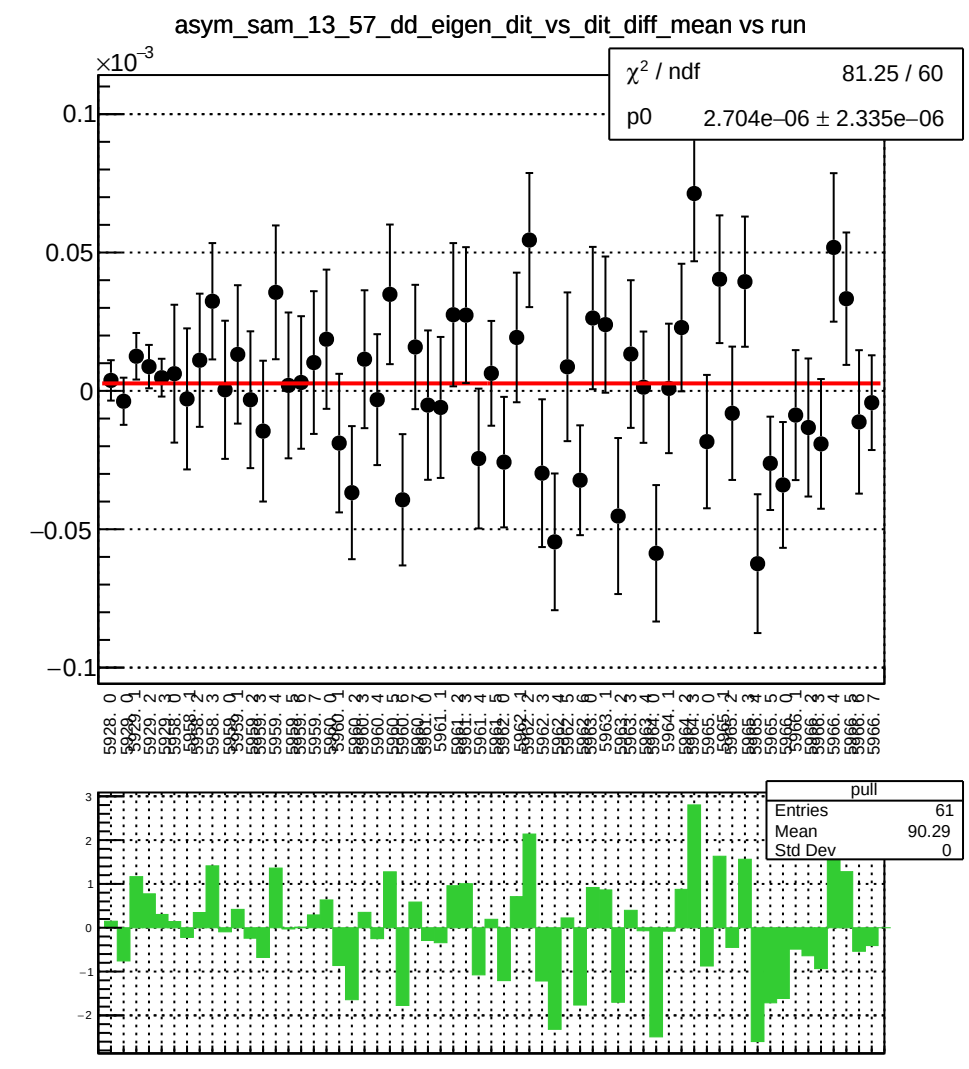

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.17 / 60
p0 0.02351 ± 0.03487
pull
Entries 61
Mean −61.09
Std Dev 0

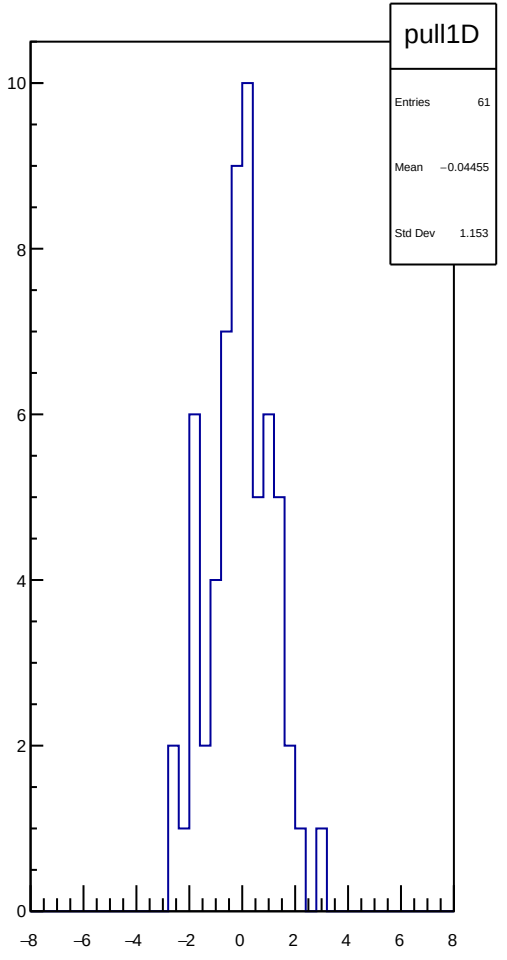

pull1D
Entries 61
Mean −0.006739
Std Dev 1.103

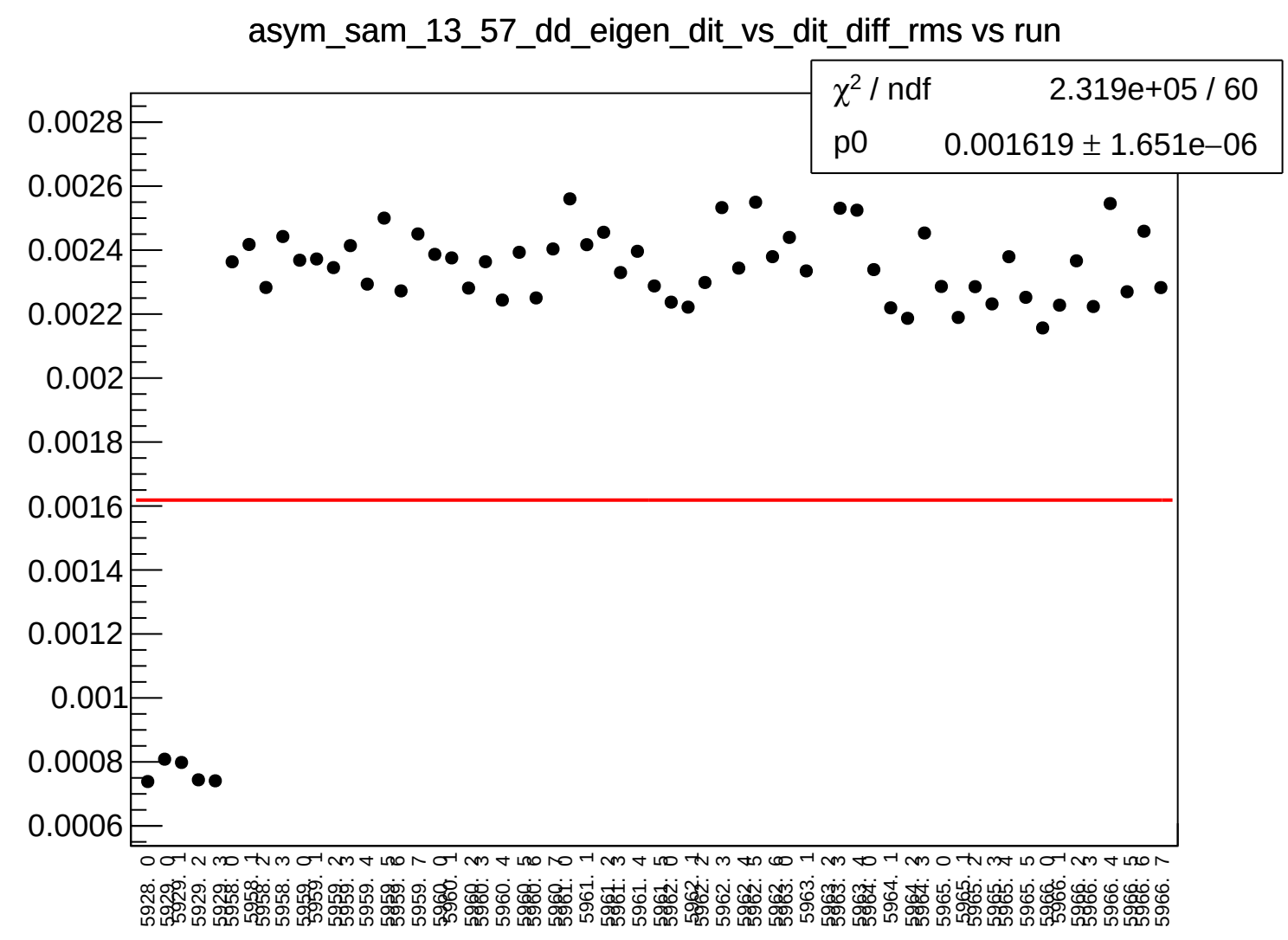

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 7.999e+04 / 60
p0 26.01 ± 0.02466
55
50
45
40
35
30
25
20
15

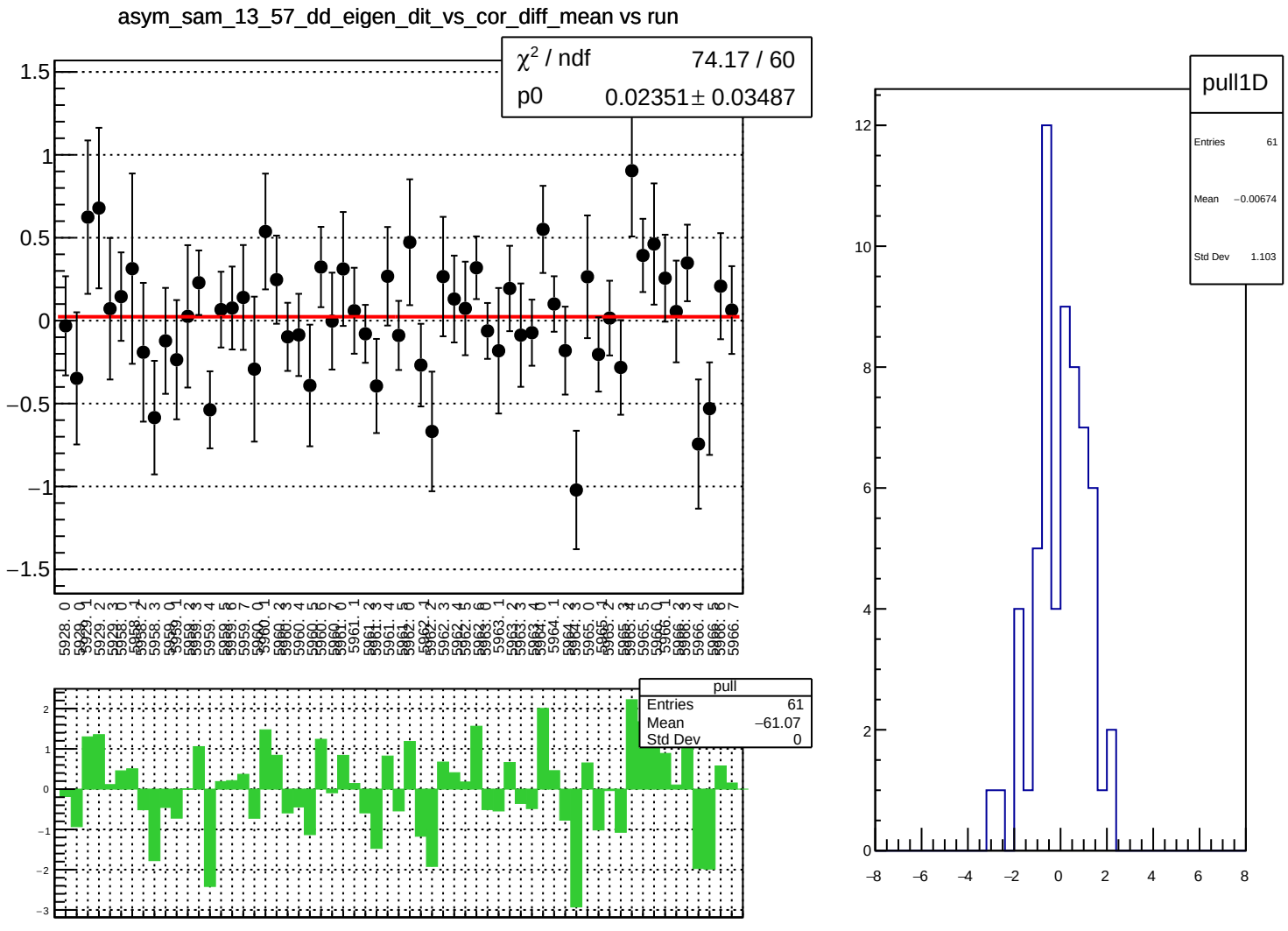

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.17 / 60
p0 0.02351 ± 0.03487
pull
Entries 61
Mean −61.09
Std Dev 0
pull1D
Entries 61
Mean −0.006739
Std Dev 1.103

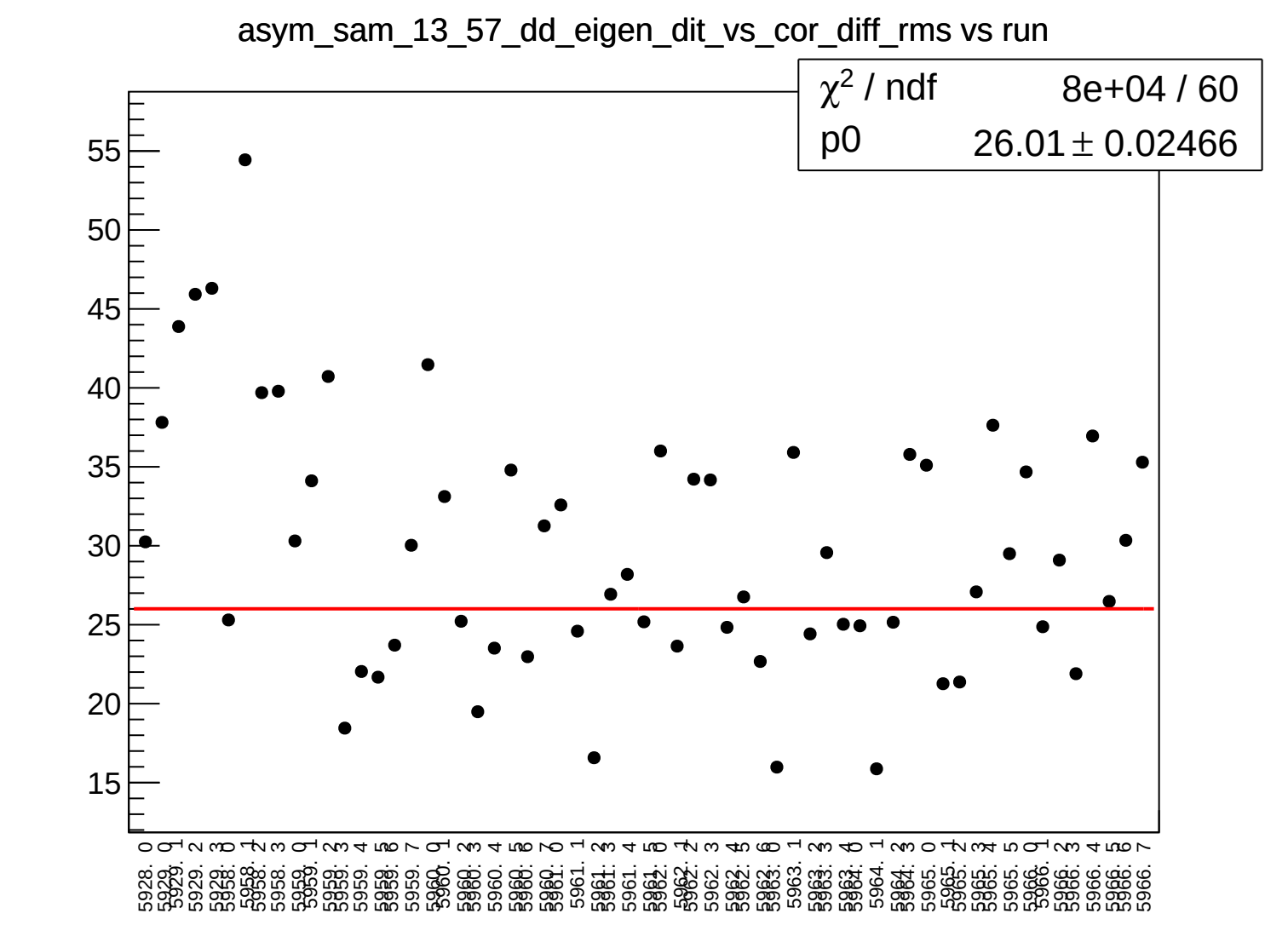

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.999e+04 / 60
p0 26.01 ± 0.02466
55
50
45
40
35
30
25
20
15

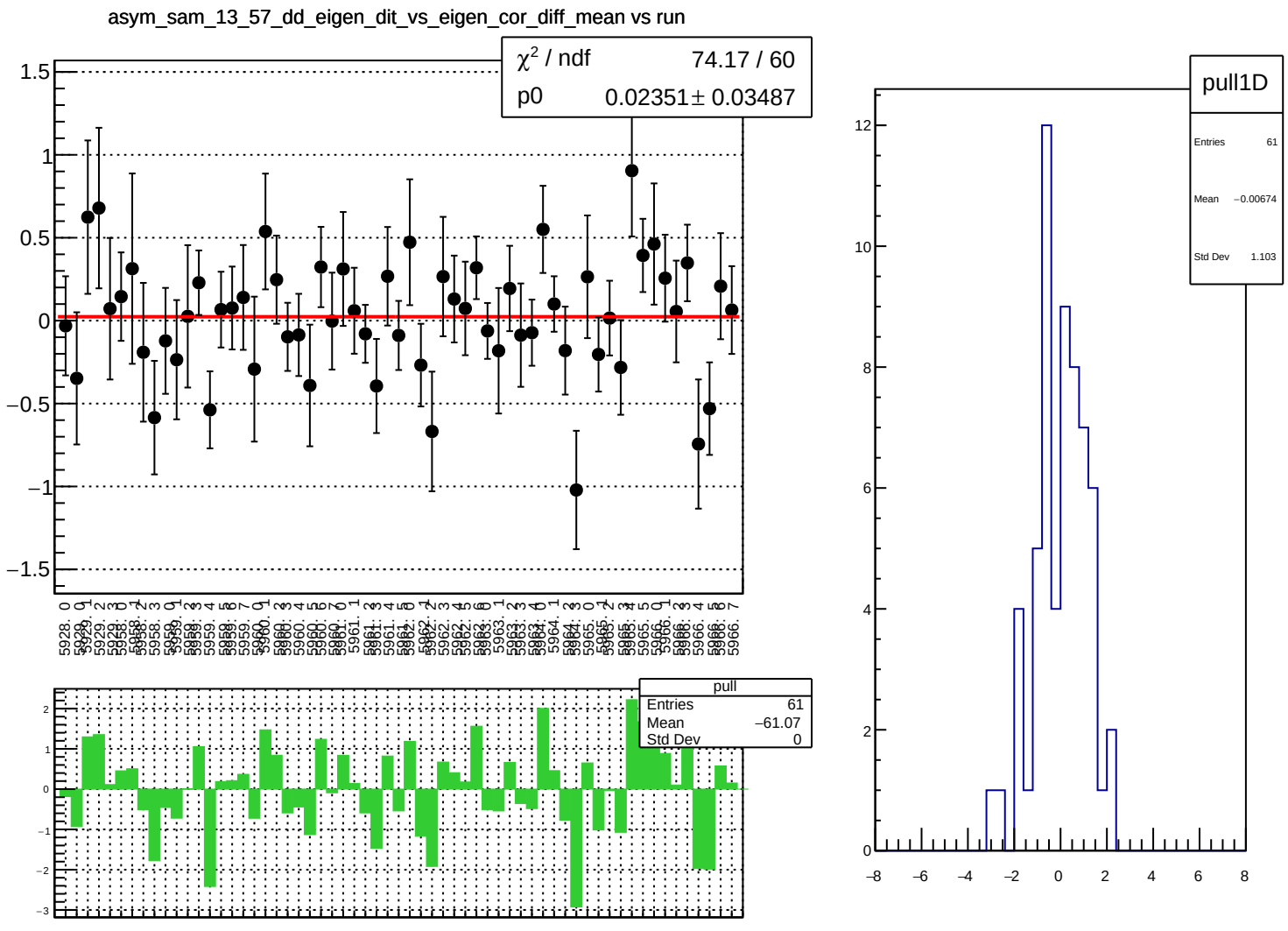

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.25 / 60
p0 2.704e−06 ± 2.335e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 61
Mean 90.29
Std Dev 0
3
2
1
0
−1
−2

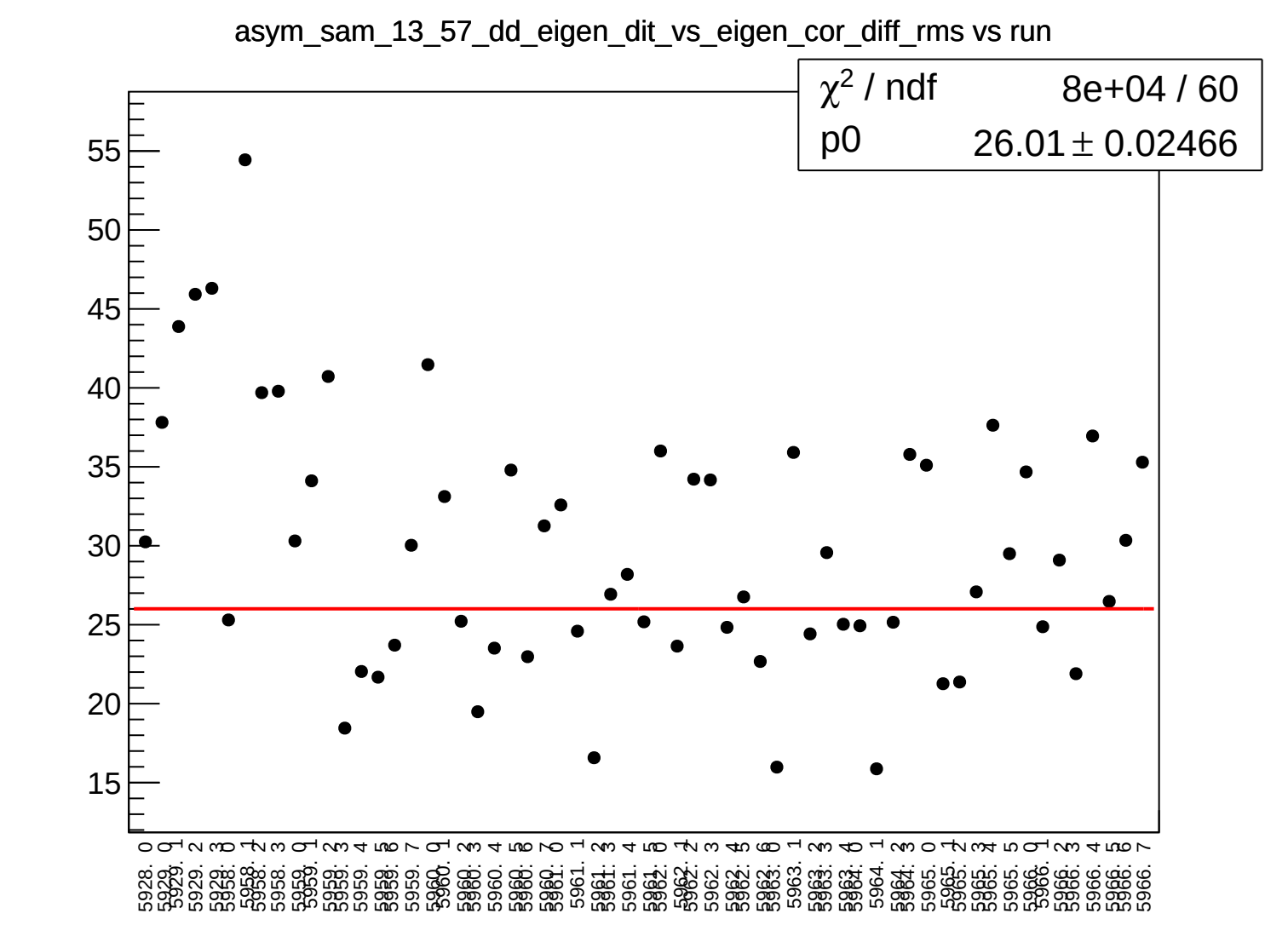

pull1D
Entries 61
Mean −0.04455
Std Dev 1.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

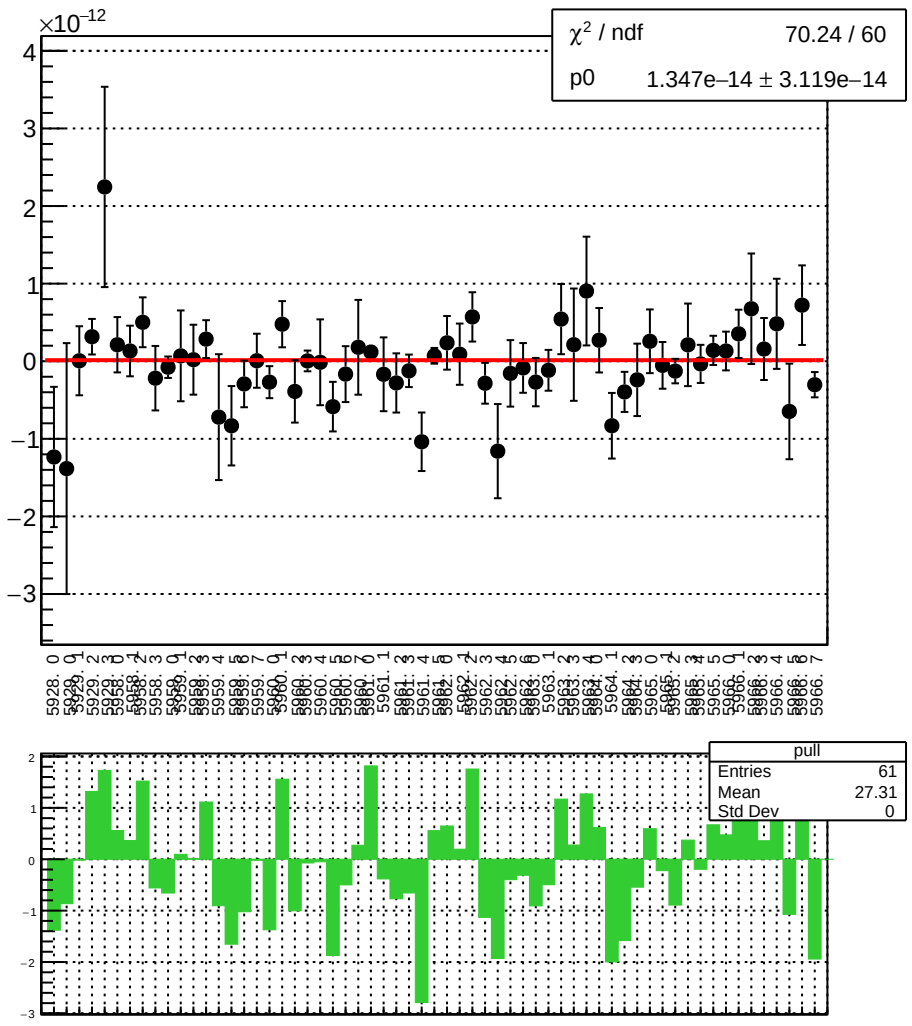

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.319e+05 / 60
p0 0.001619 ± 1.651e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

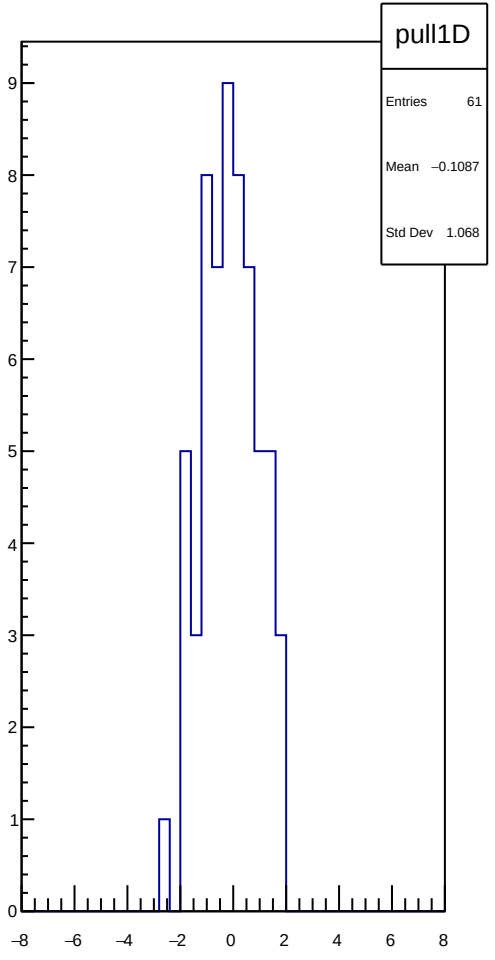

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.17 / 60
p0 0.02351 ± 0.03487
pull
Entries 61
Mean −61.07
Std Dev 0
pull1D
Entries 61
Mean −0.00674
Std Dev 1.103

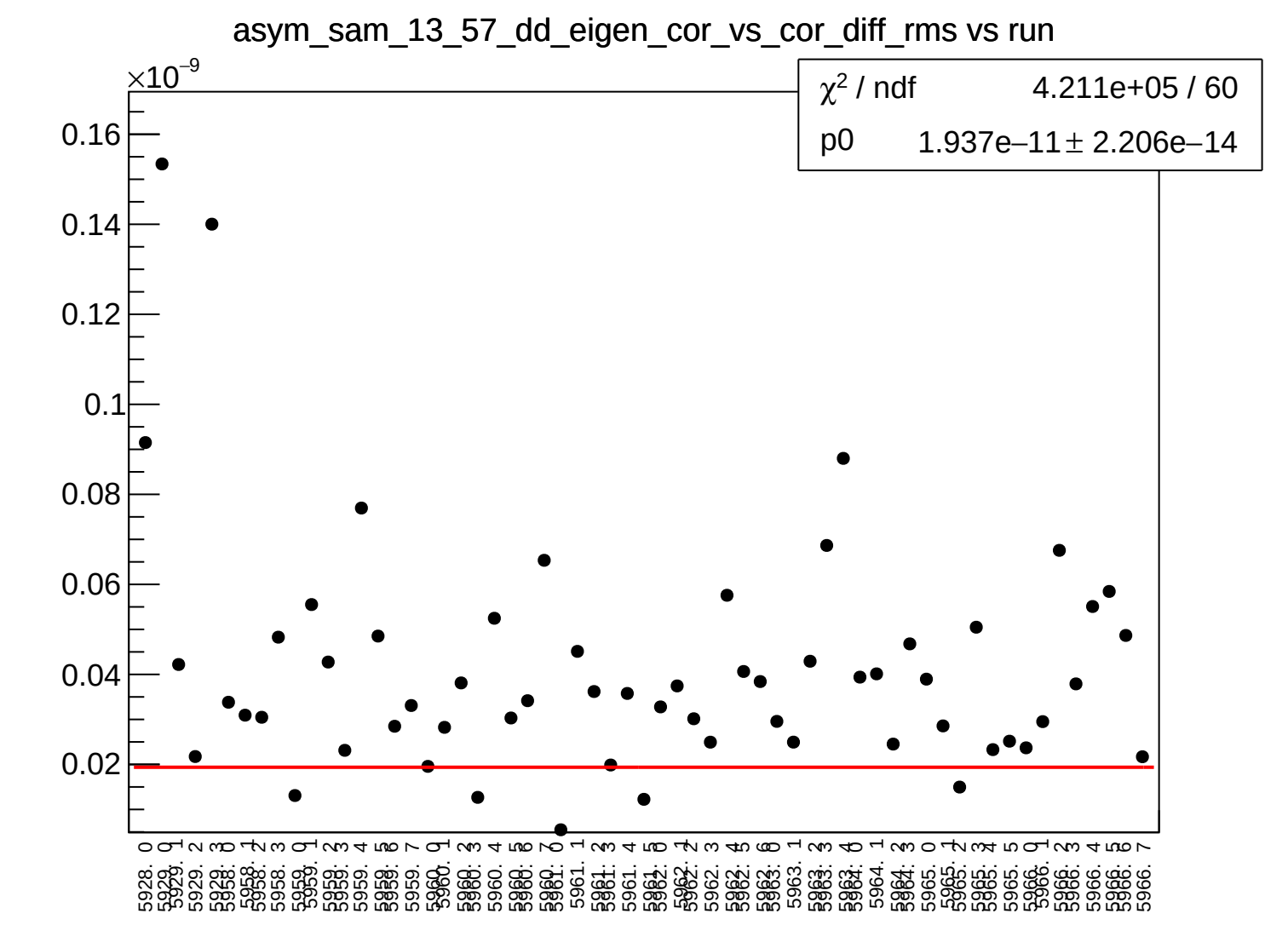

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8e+04 / 60
p0 26.01 ± 0.02466
55
50
45
40
35
30
25
20
15

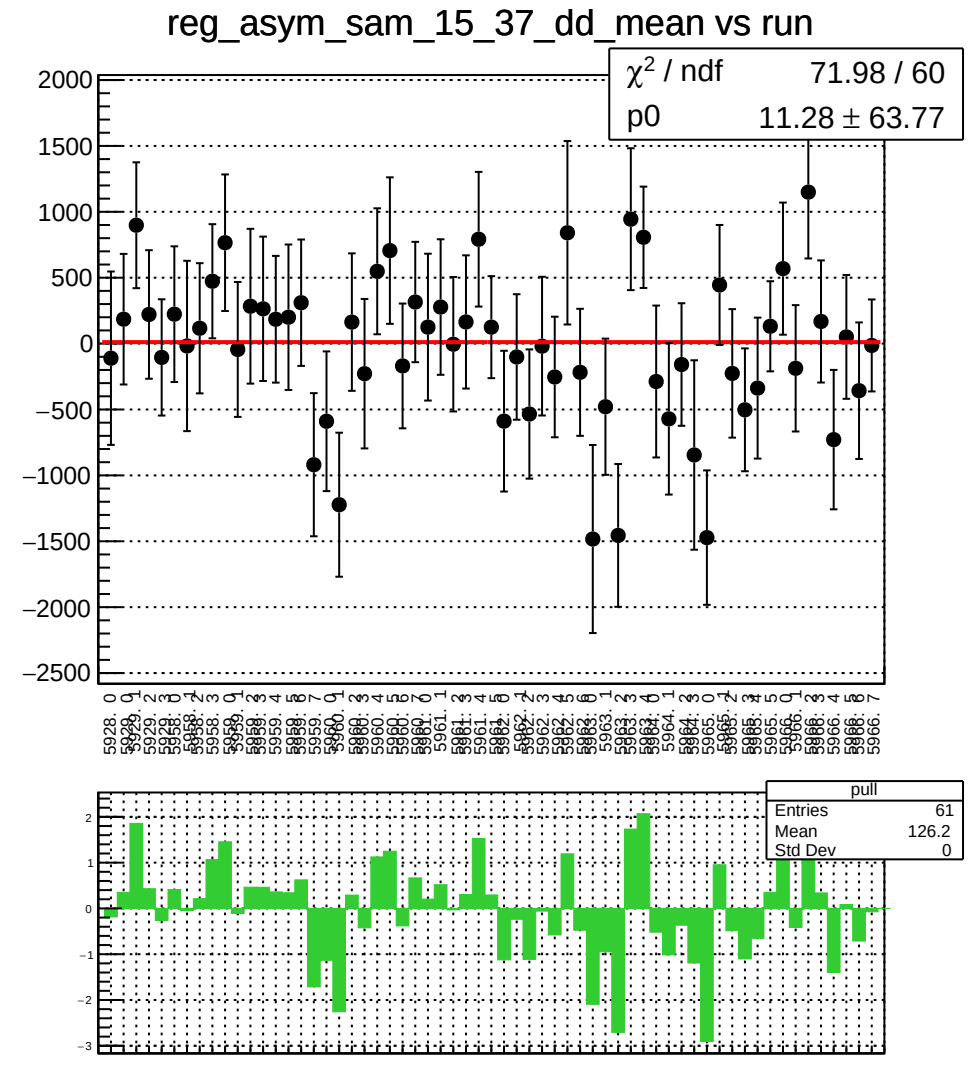

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.17 / 60
p0 0.02351 ± 0.03487
pull
Entries 61
Mean −61.07
Std Dev 0
pull1D
Entries 61
Mean −0.00674
Std Dev 1.103

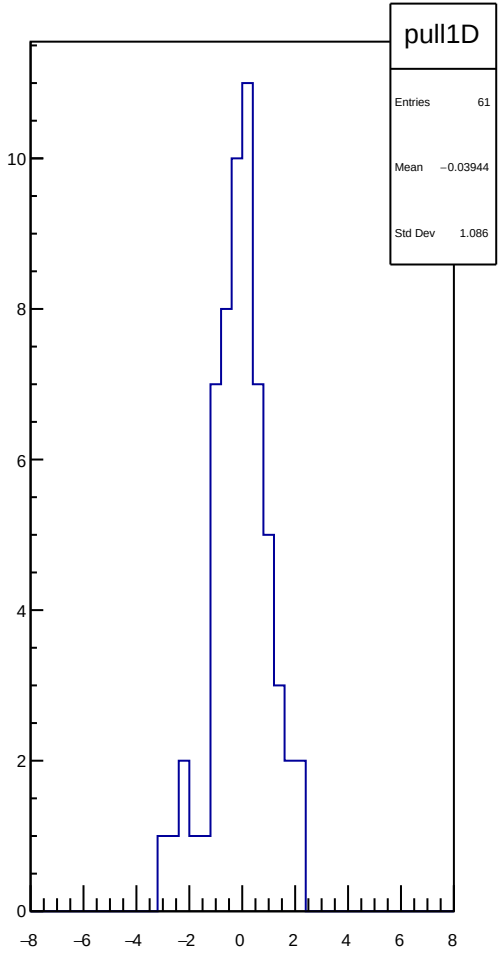

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8e+04 / 60
p0 26.01 ± 0.02466
55
50
45
40
35
30
25
20
15

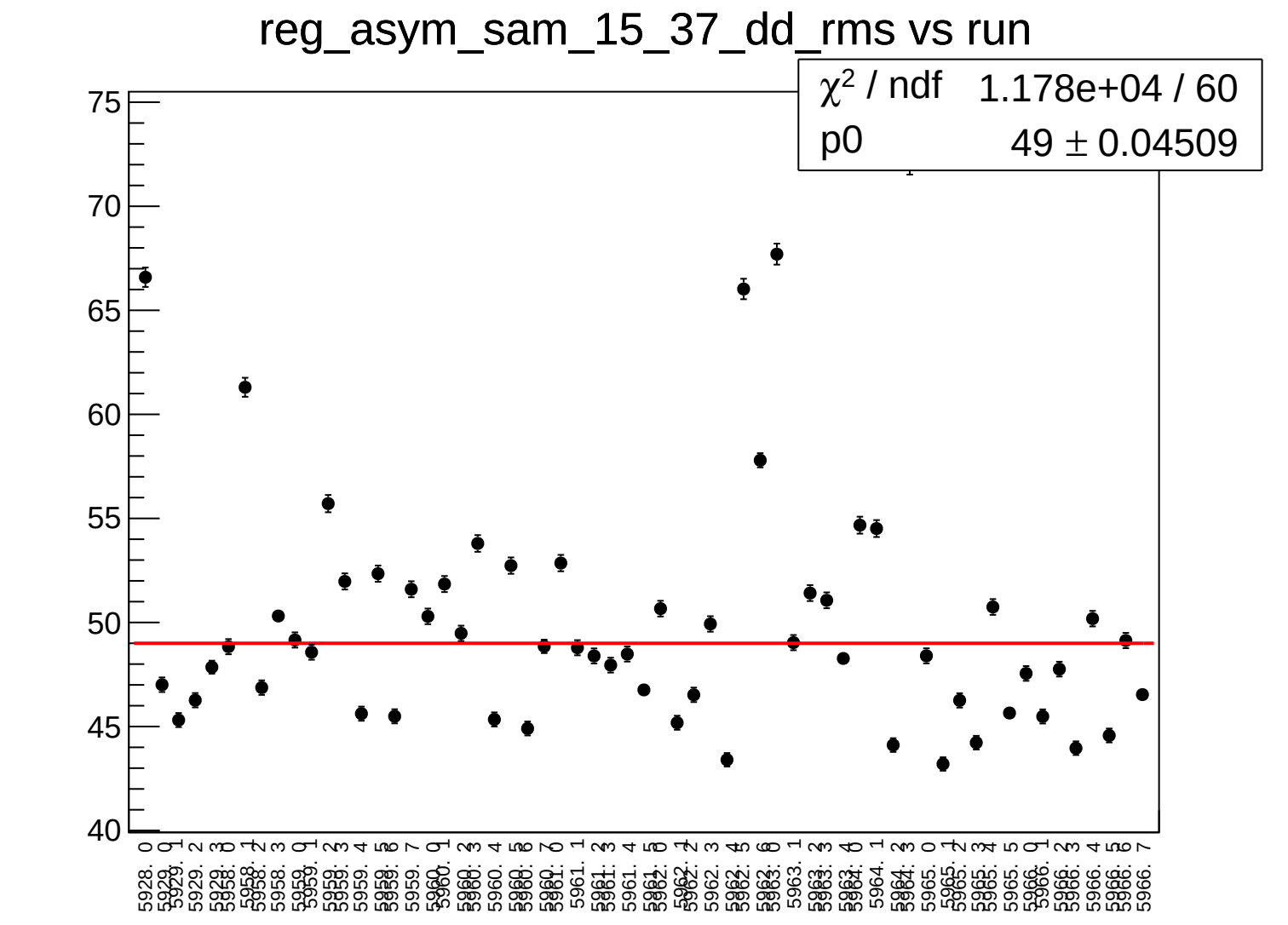

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.24 / 60
p0 1.347e−14 ± 3.119e−14
pull
Entries 61
Mean 27.31
Std Dev 0

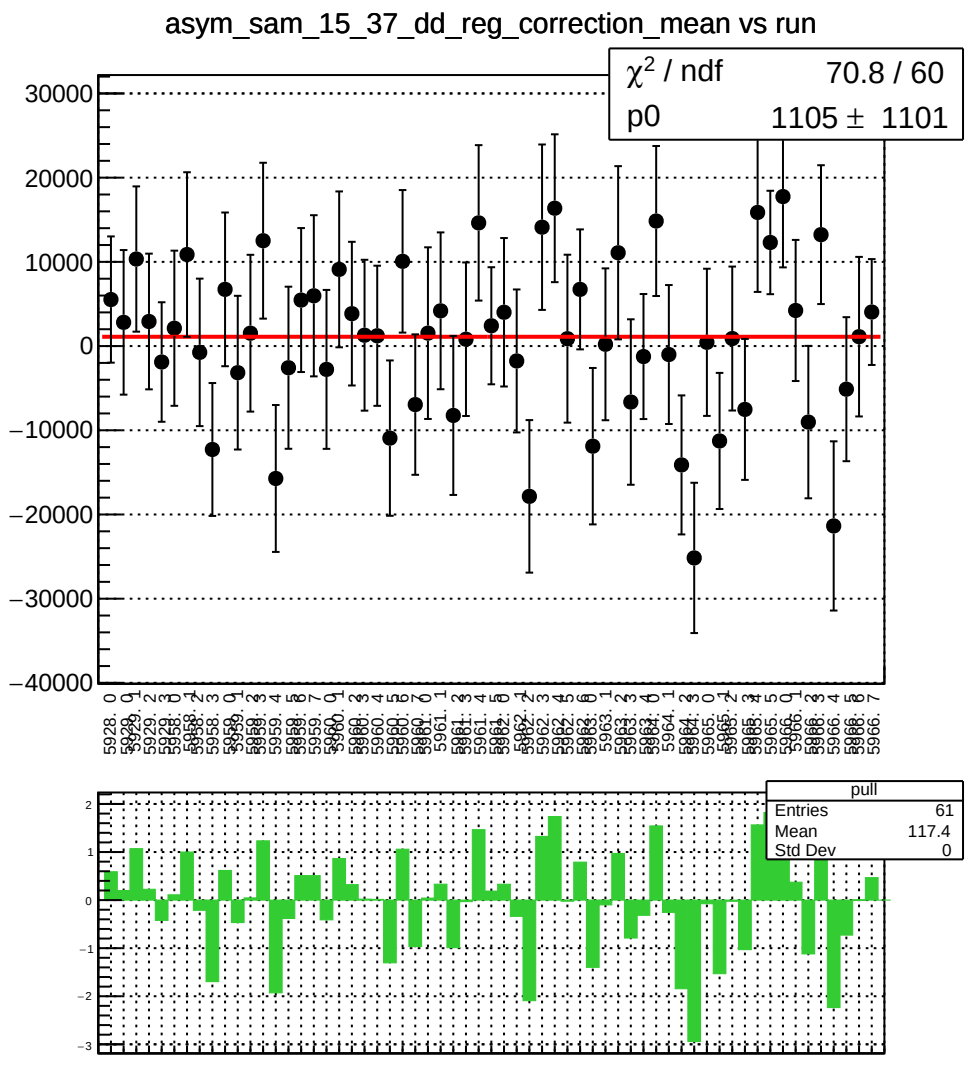

pull1D
Entries 61
Mean −0.1087
Std Dev 1.068

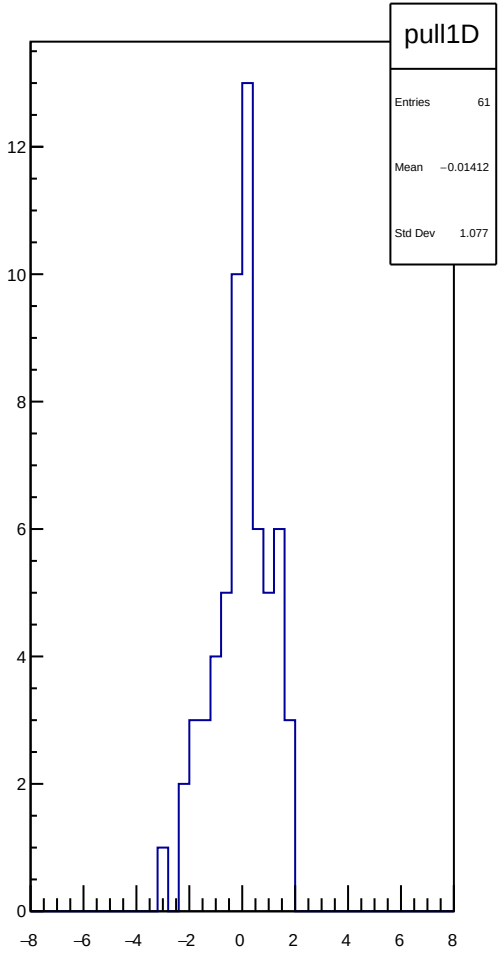

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.211e+05 / 60
p0 1.937e−11 ± 2.206e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

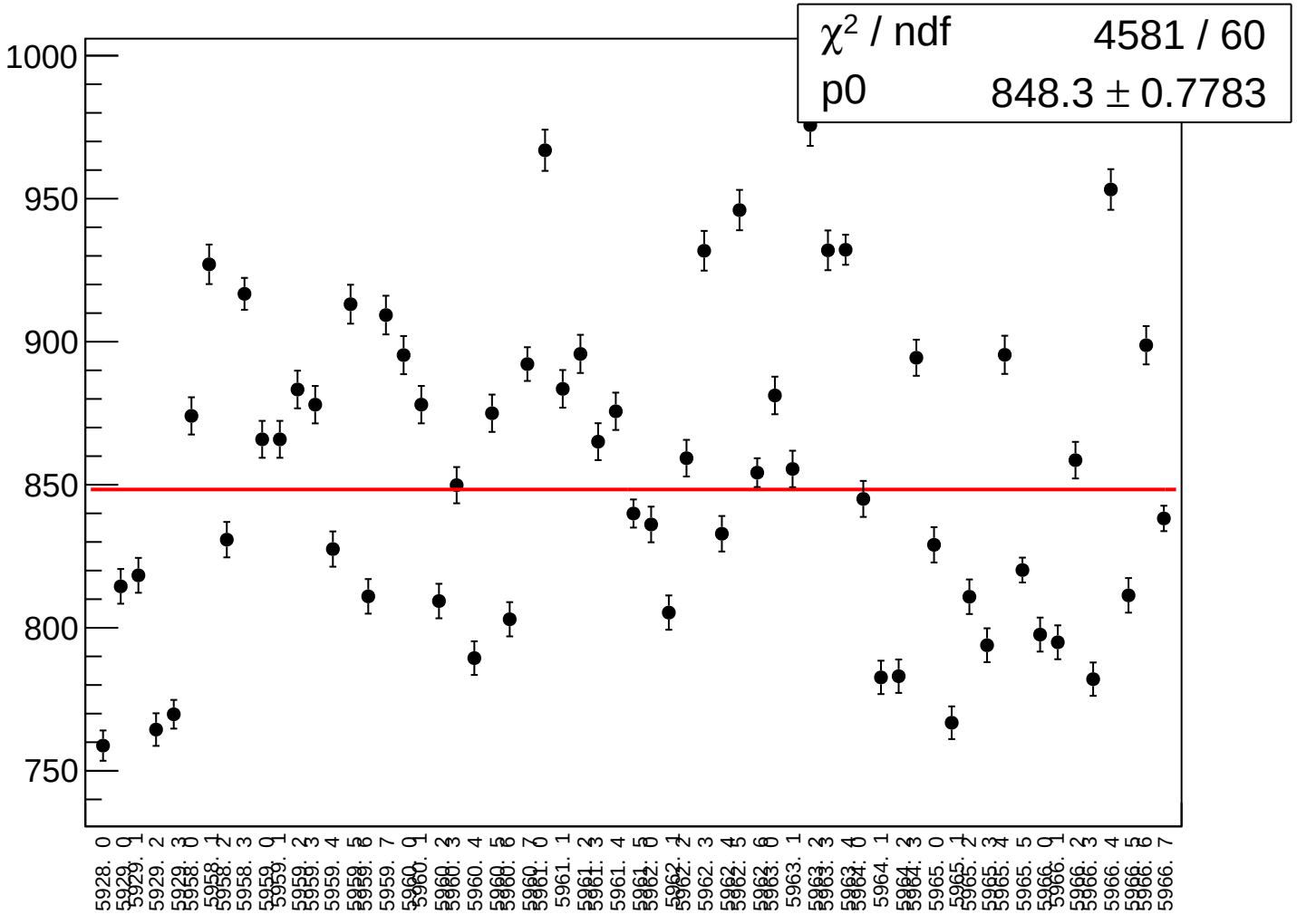

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 71.98 / 60
p0 11.28 ± 63.77
pull
Entries 61
Mean 126.2
Std Dev 0

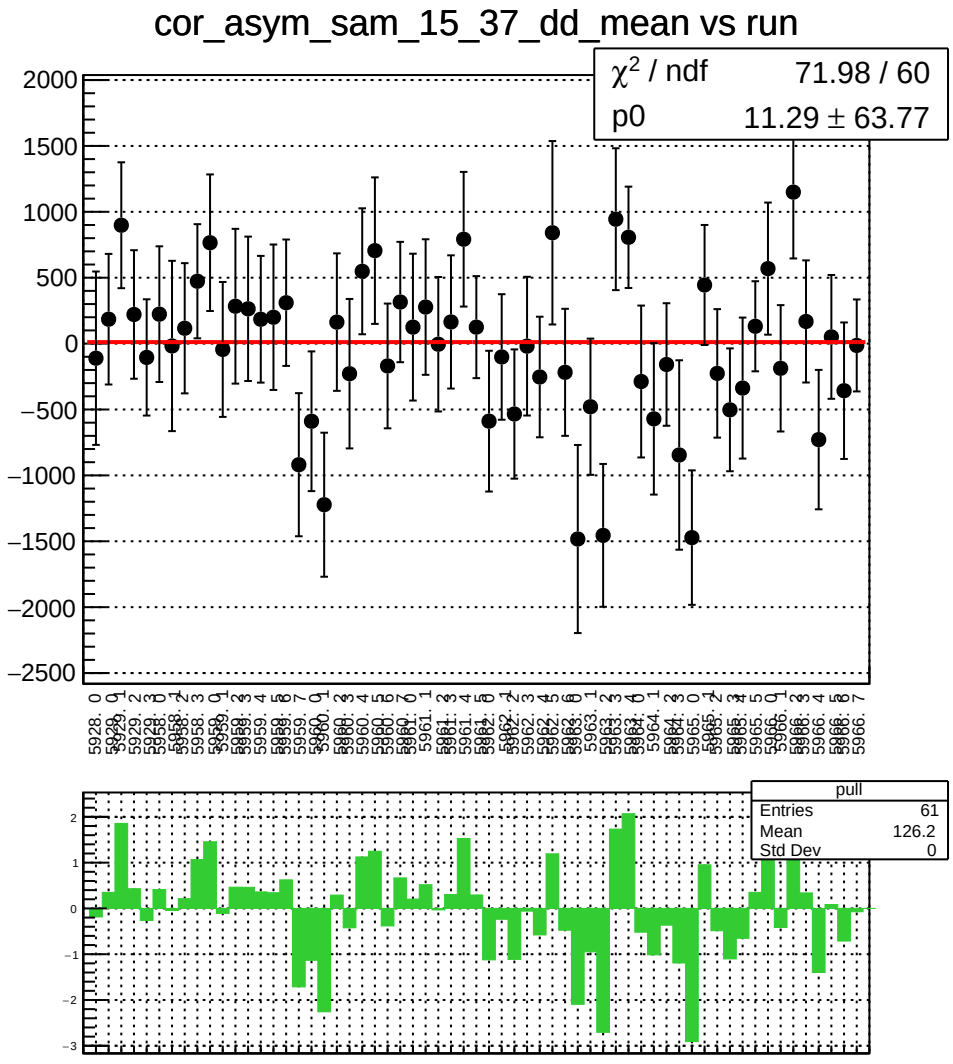

pull1D
Entries 61
Mean −0.03944
Std Dev 1.086

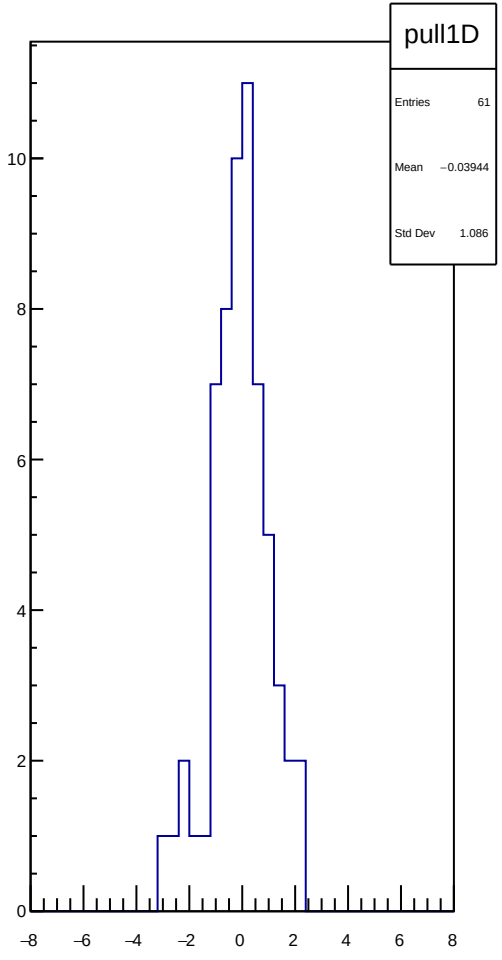

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.178e+04 / 60
p0 49 ± 0.04509
75
70
65
60
55
50
45
40

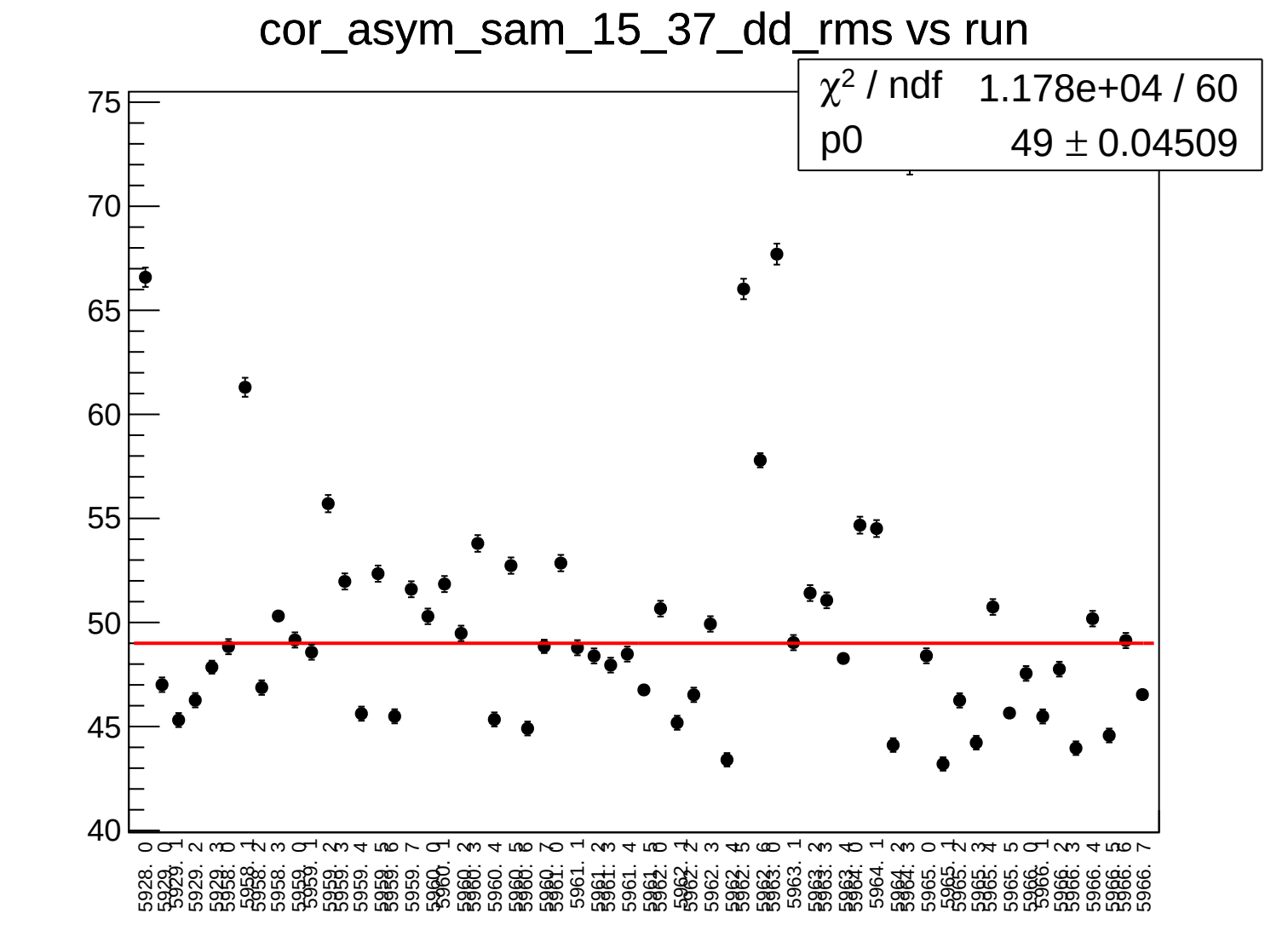

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 70.8 / 60
p0 1105 ± 1101
pull
Entries 61
Mean 117.4
Std Dev 0

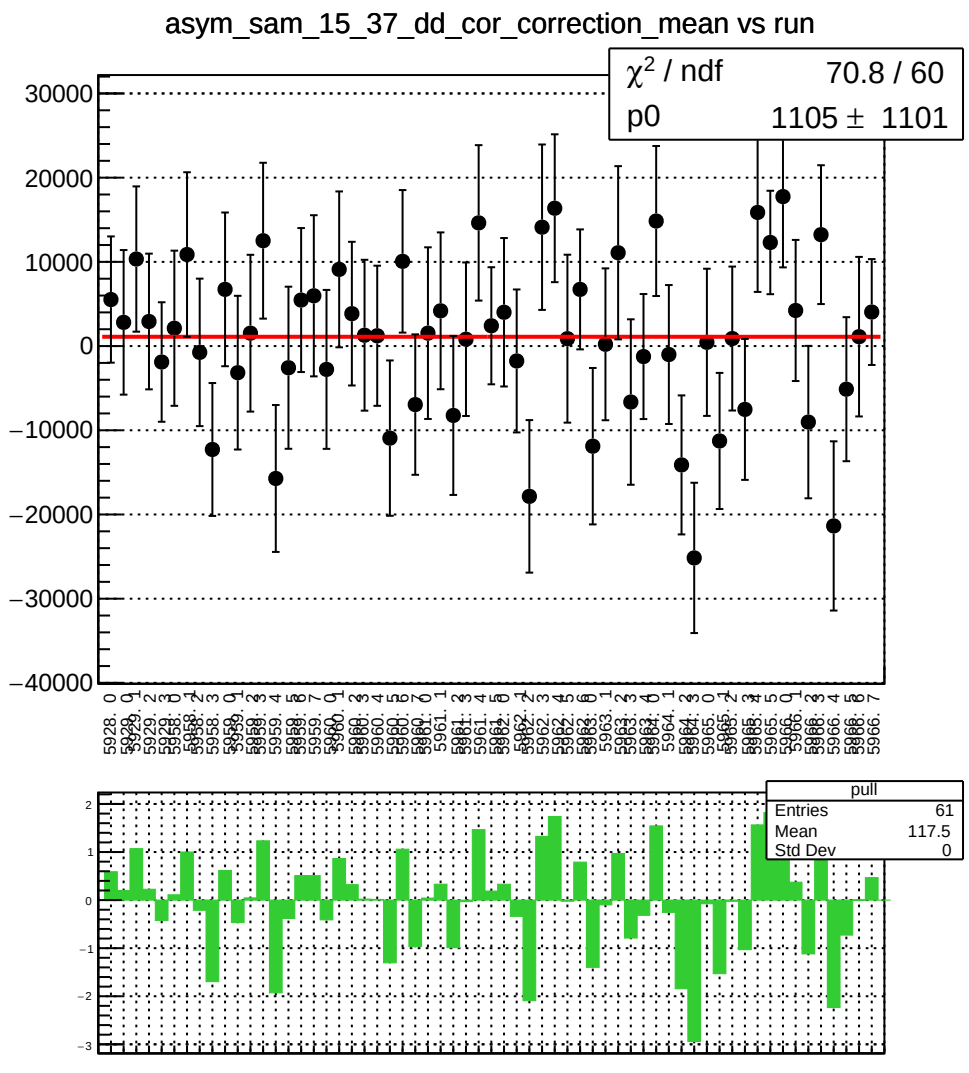

pull1D
Entries 61
Mean −0.01412
Std Dev 1.077

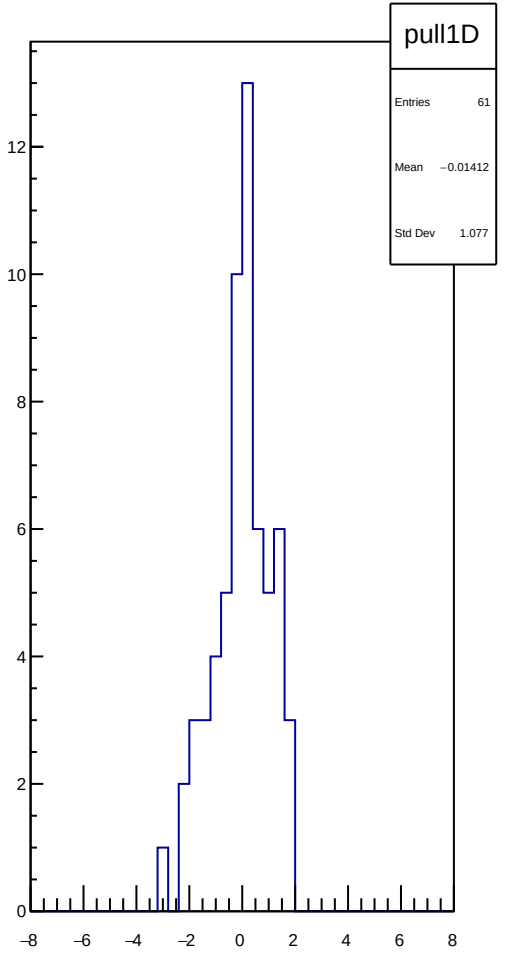

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 4581 / 60
p0 848.3 ± 0.7783
1000
950
900
850
800
750

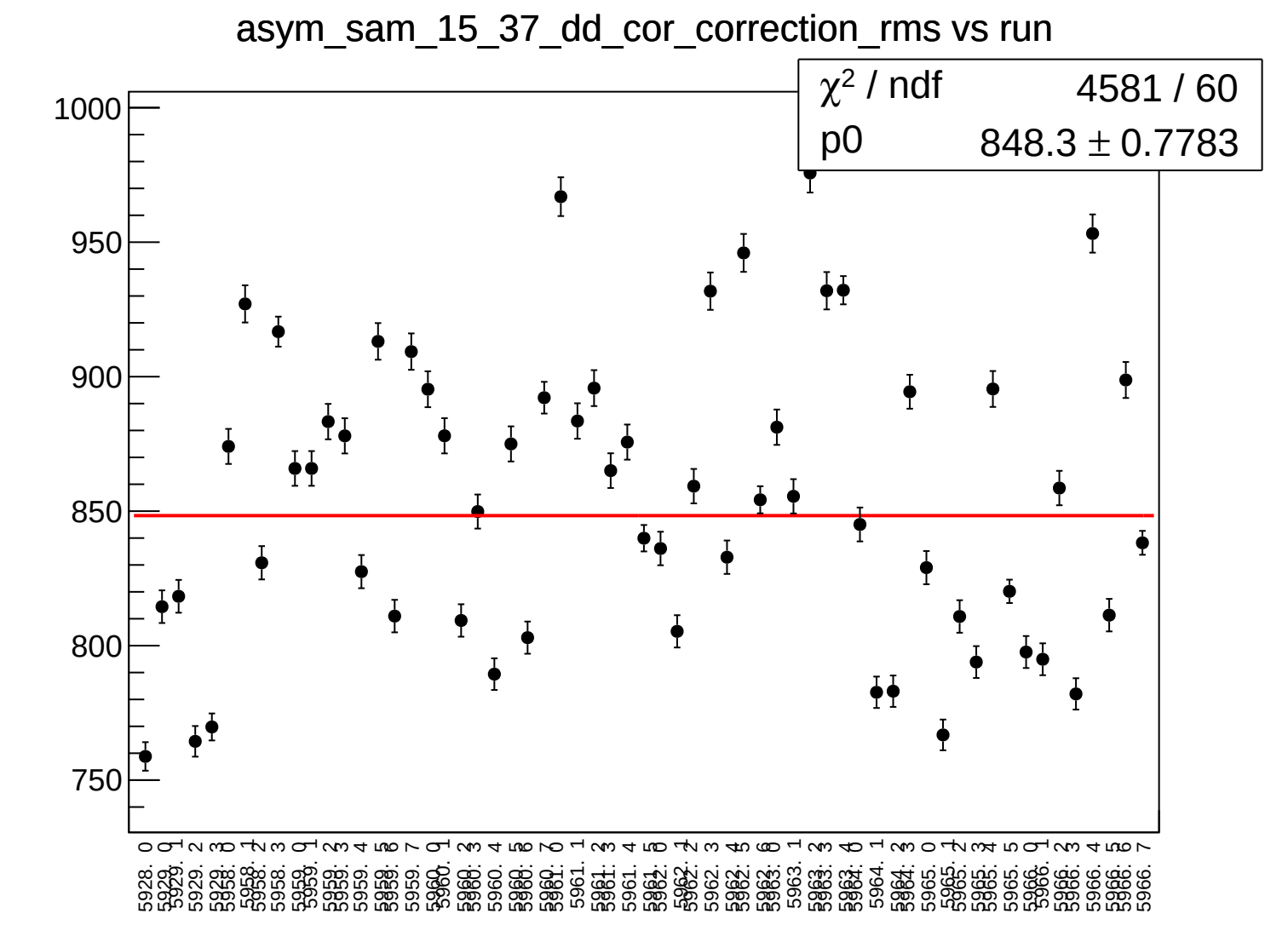

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 71.98 / 60
p0 11.29 ± 63.77
pull
Entries 61
Mean 126.2
Std Dev 0

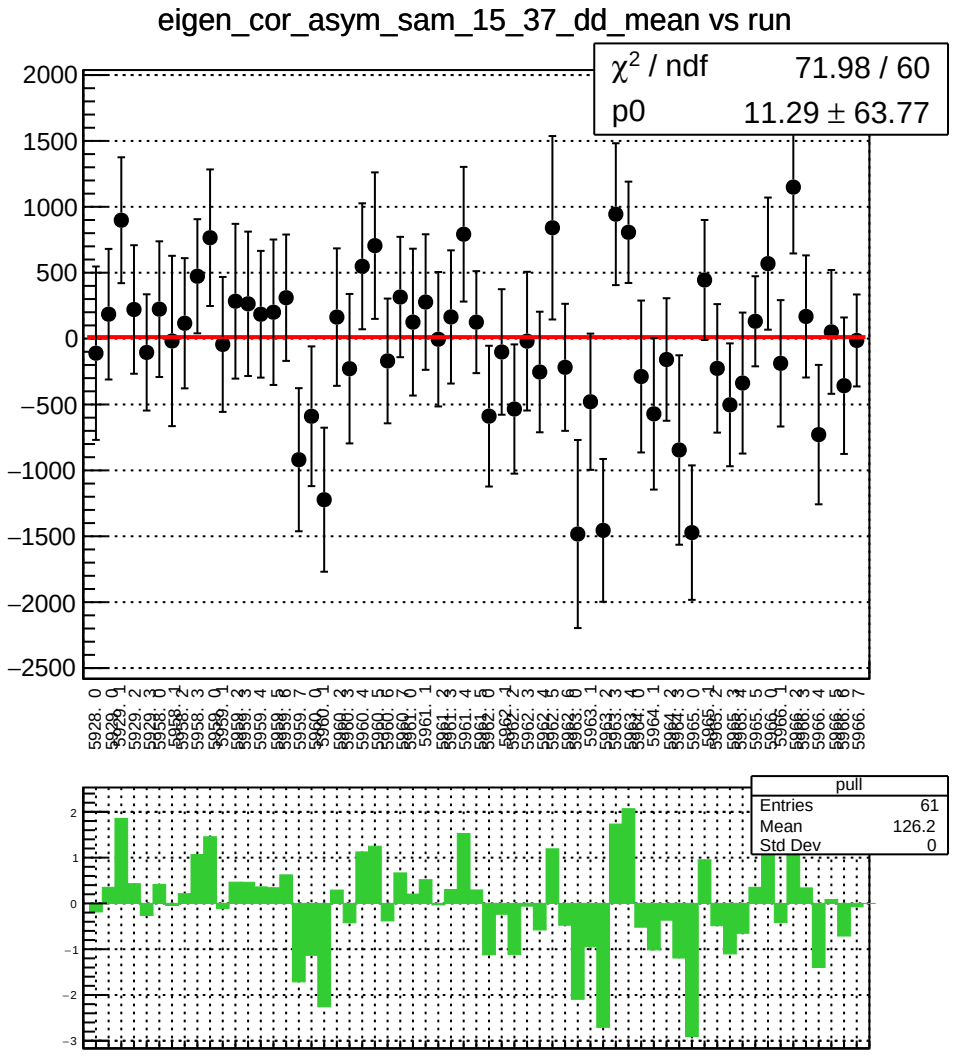

pull1D
Entries 61
Mean −0.03944
Std Dev 1.086

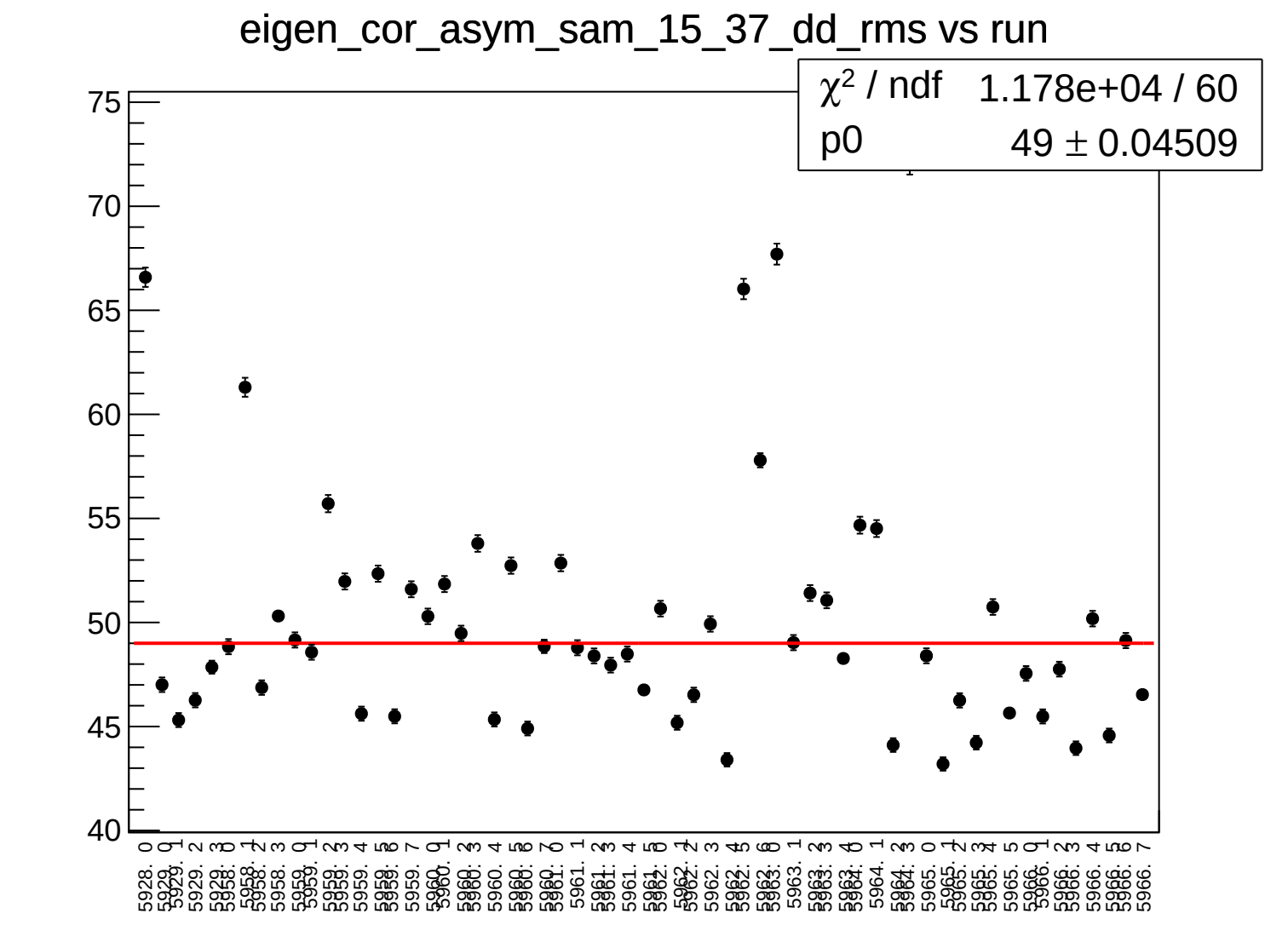

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.178e+04 / 60
p0 49 ± 0.04509
75
70
65
60
55
50
45
40

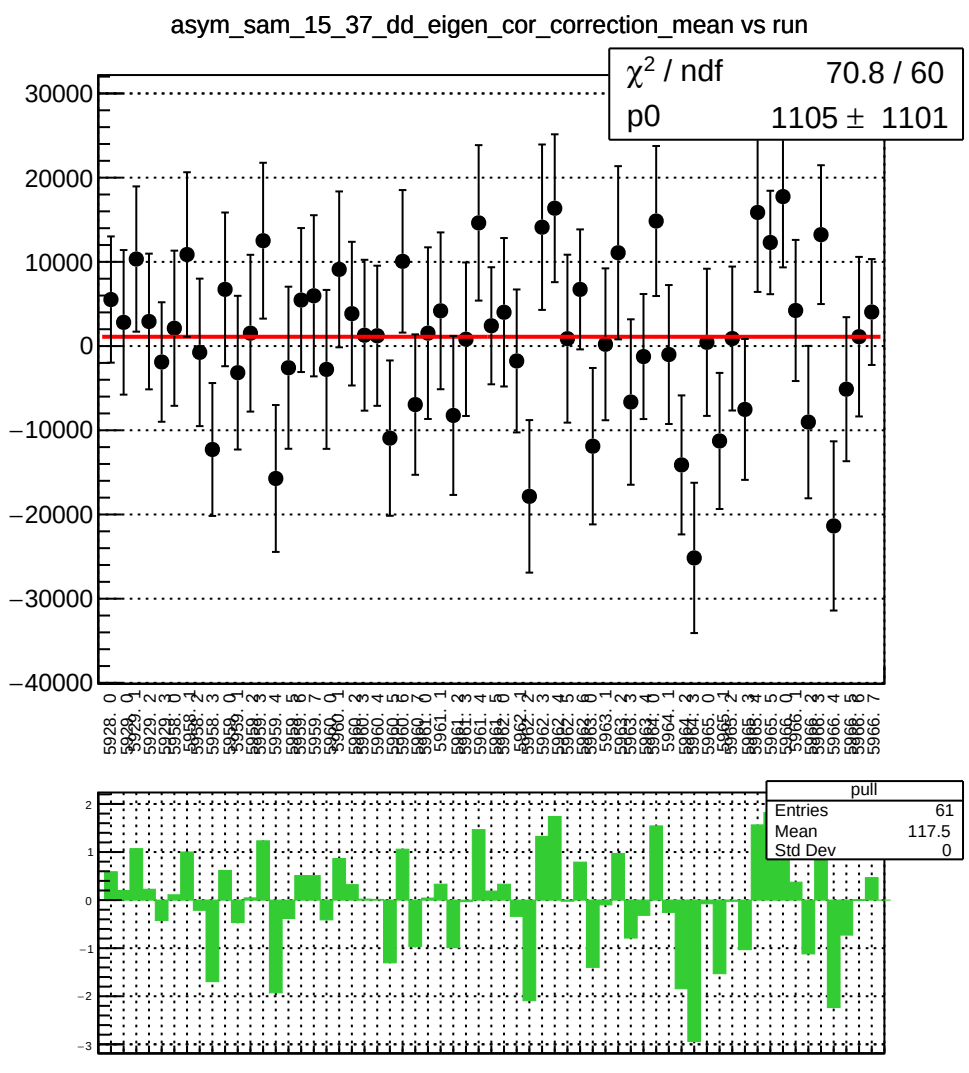

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 70.8 / 60
p0 1105 ± 1101
pull
Entries 61
Mean 117.5
Std Dev 0

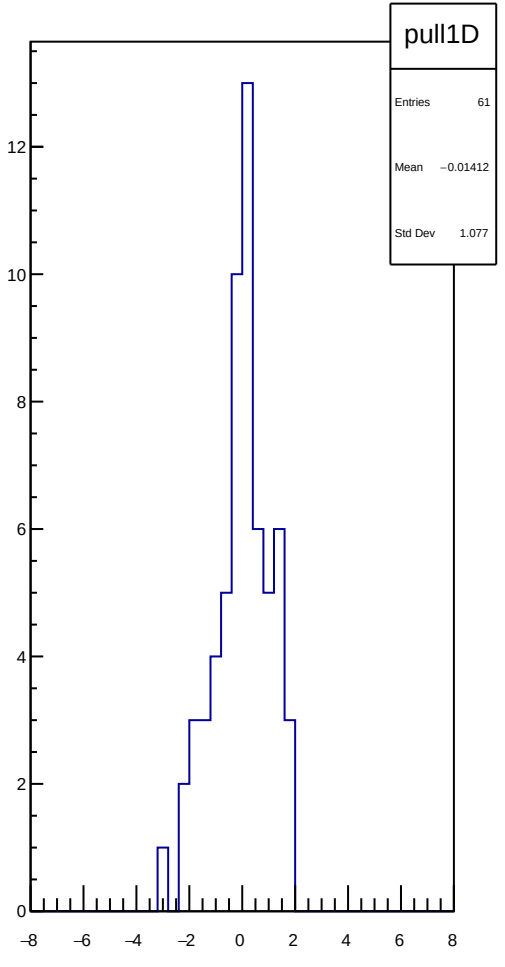

pull1D
Entries 61
Mean −0.01412
Std Dev 1.077

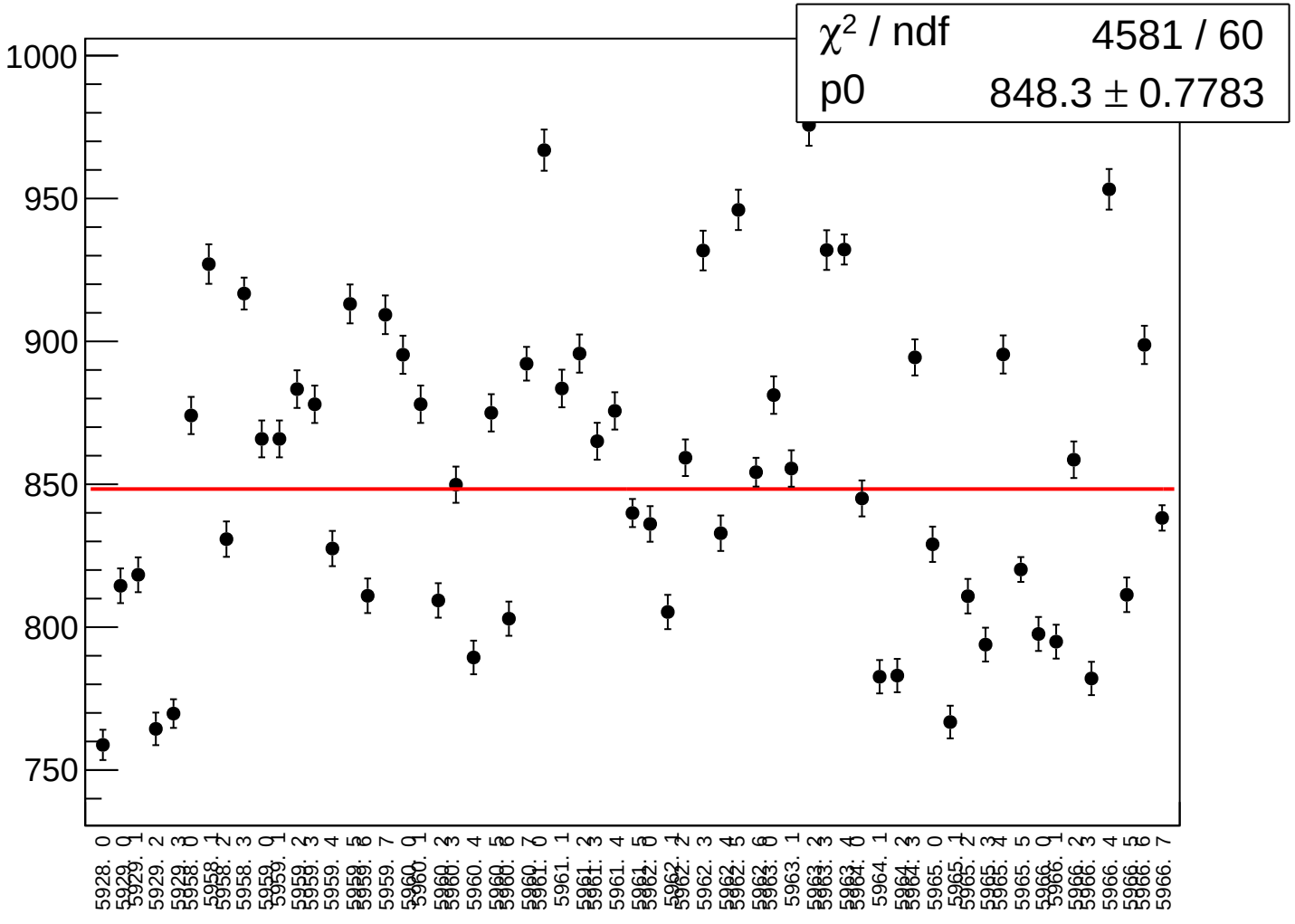

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 4581 / 60
p0 848.3 ± 0.7783
1000
950
900
850
800
750

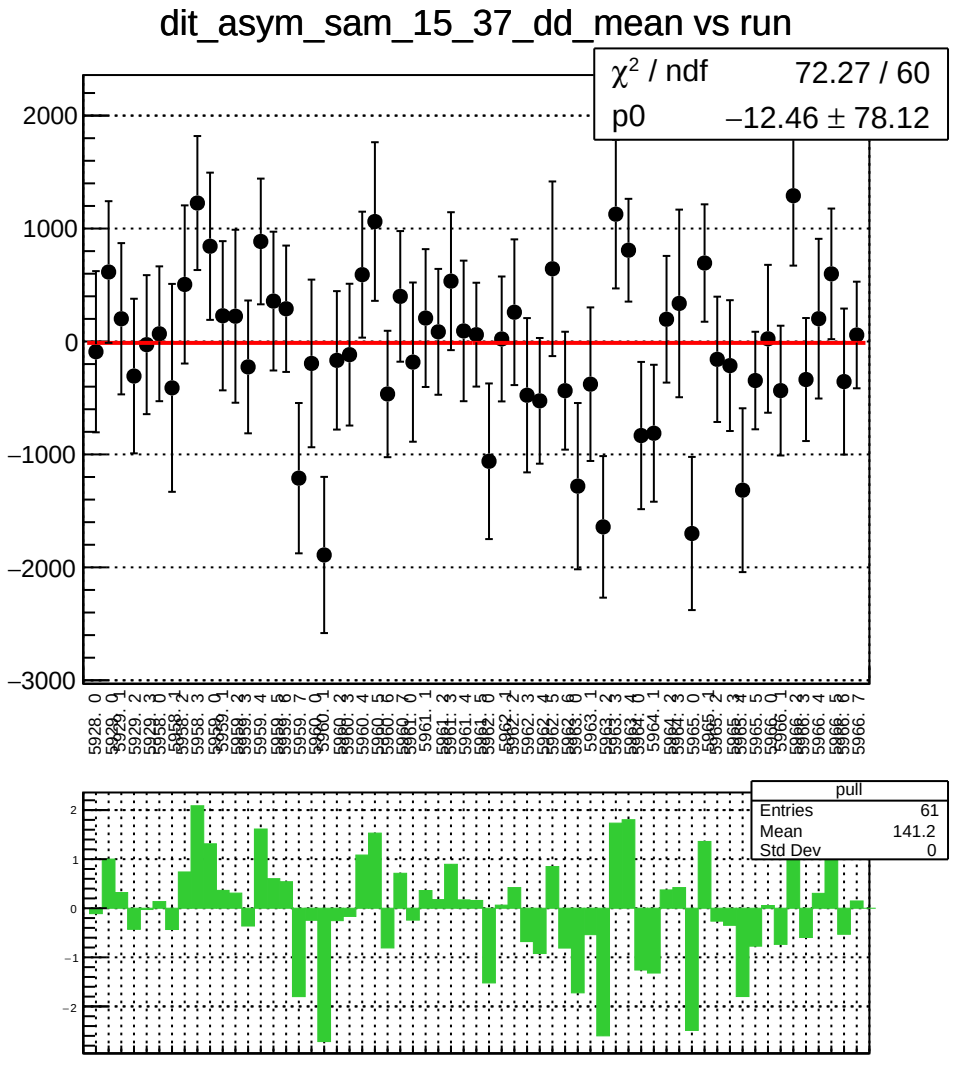

eigen_cor_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 71.98 / 60
p0 11.29 ± 63.77
pull
Entries 61
Mean 126.2
Std Dev 0
pull1D
Entries 61
Mean −0.03944
Std Dev 1.086

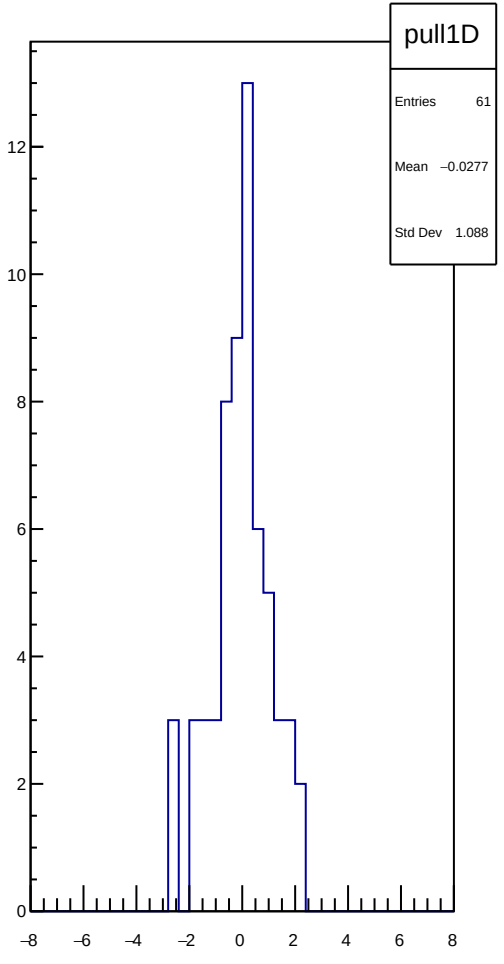

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.178e+04 / 60
p0 49 ± 0.04509
75
70
65
60
55
50
45
40

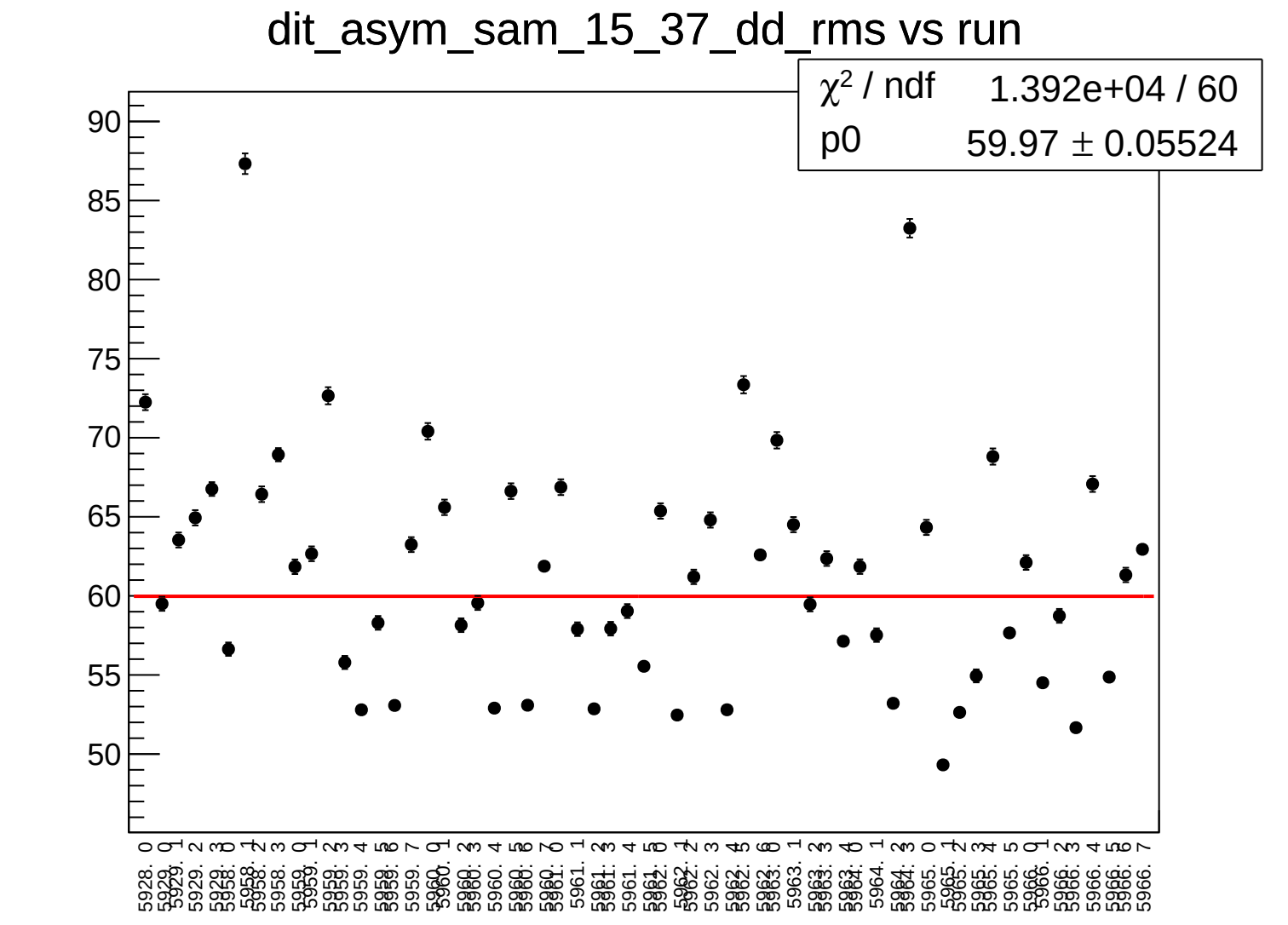

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.8 / 60
p0 1105 ± 1101
pull
Entries 61
Mean 117.5
Std Dev 0

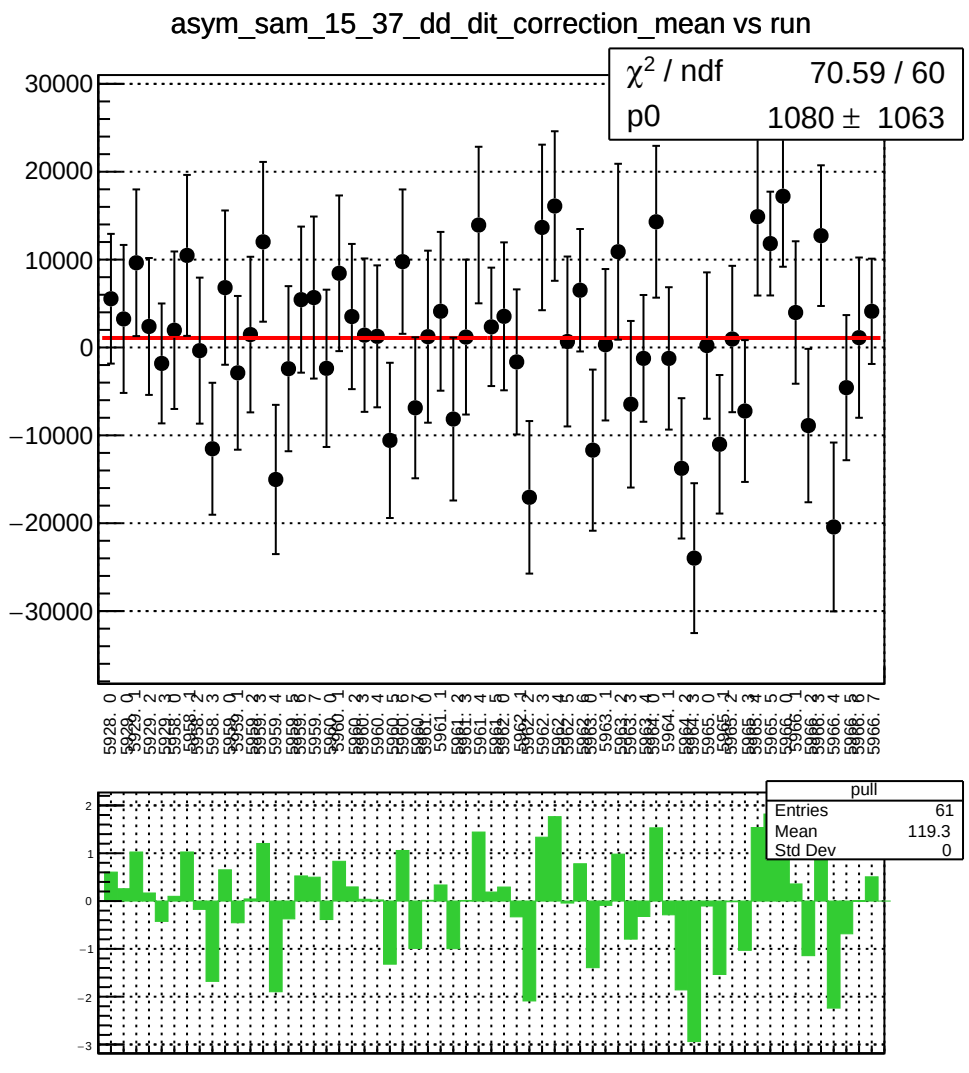

pull1D
Entries 61
Mean −0.01412
Std Dev 1.077

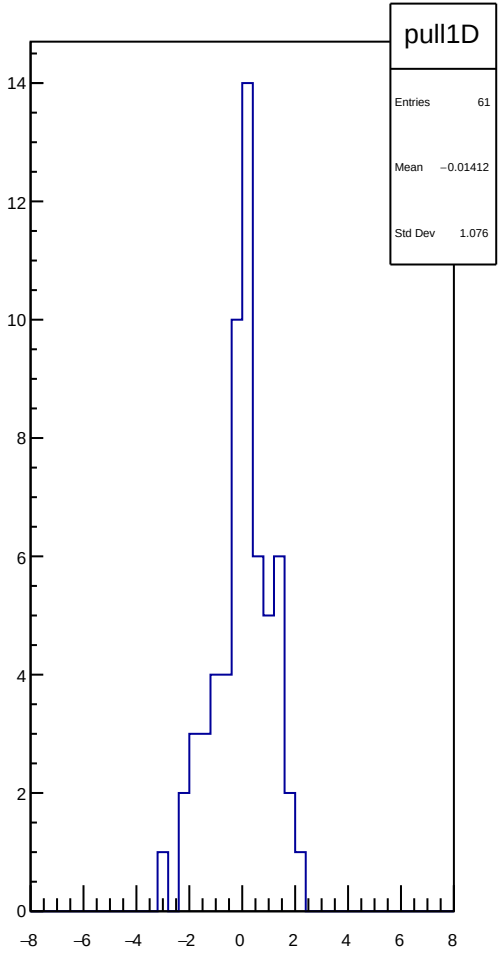

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4581 / 60
p0 848.3 ± 0.7783
1000
950
900
850
800
750

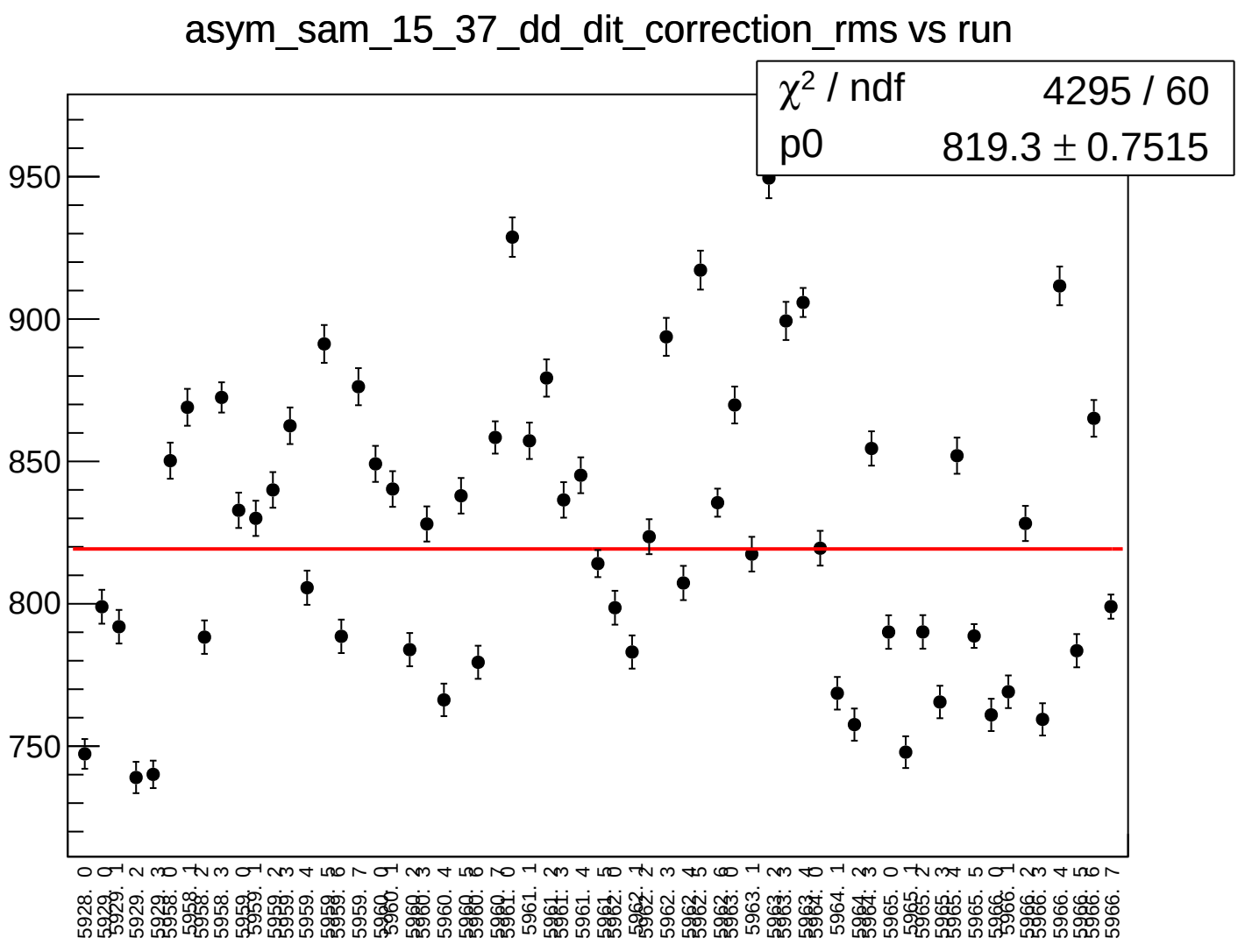

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.27 / 60
p0 −12.46 ± 78.12
pull
Entries 61
Mean 141.2
Std Dev 0

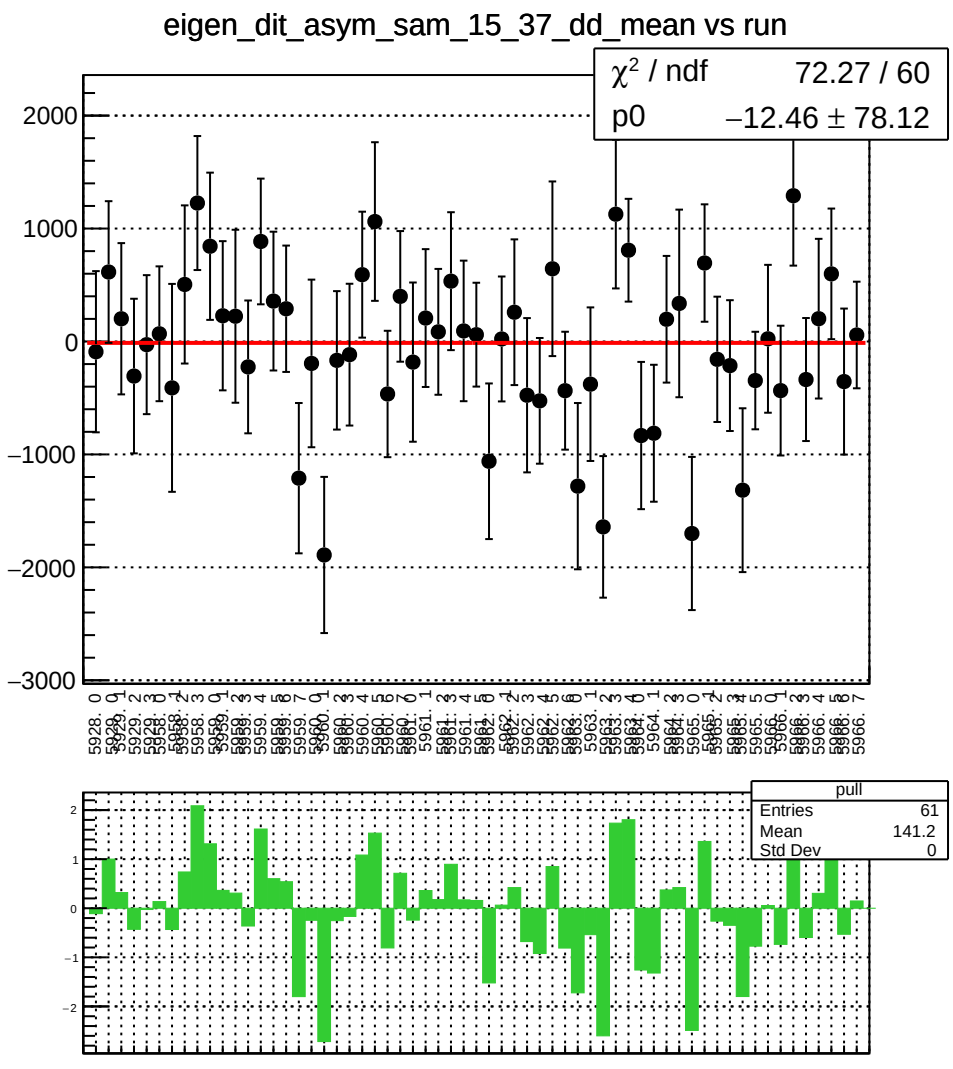

pull1D
Entries 61
Mean −0.0277
Std Dev 1.088

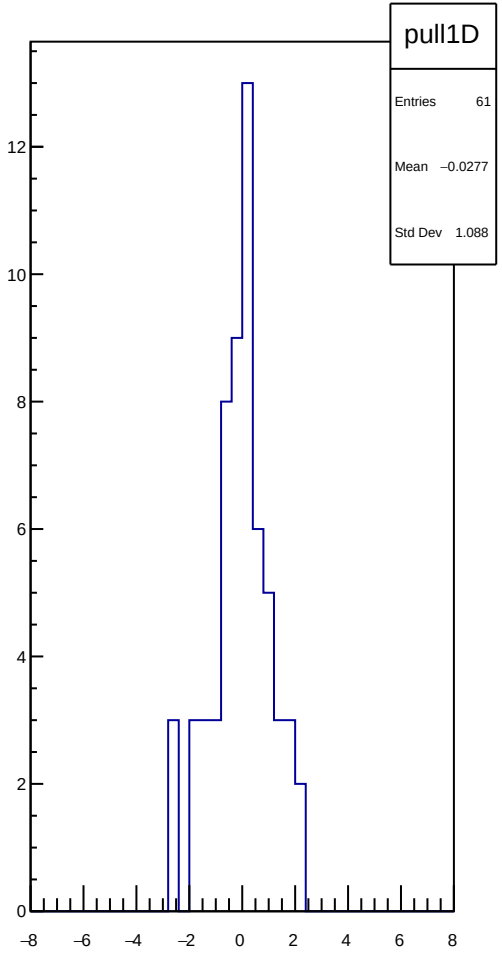

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.392e+04 / 60
p0 59.97 ± 0.05524
90
85
80
75
70
65
60
55
50

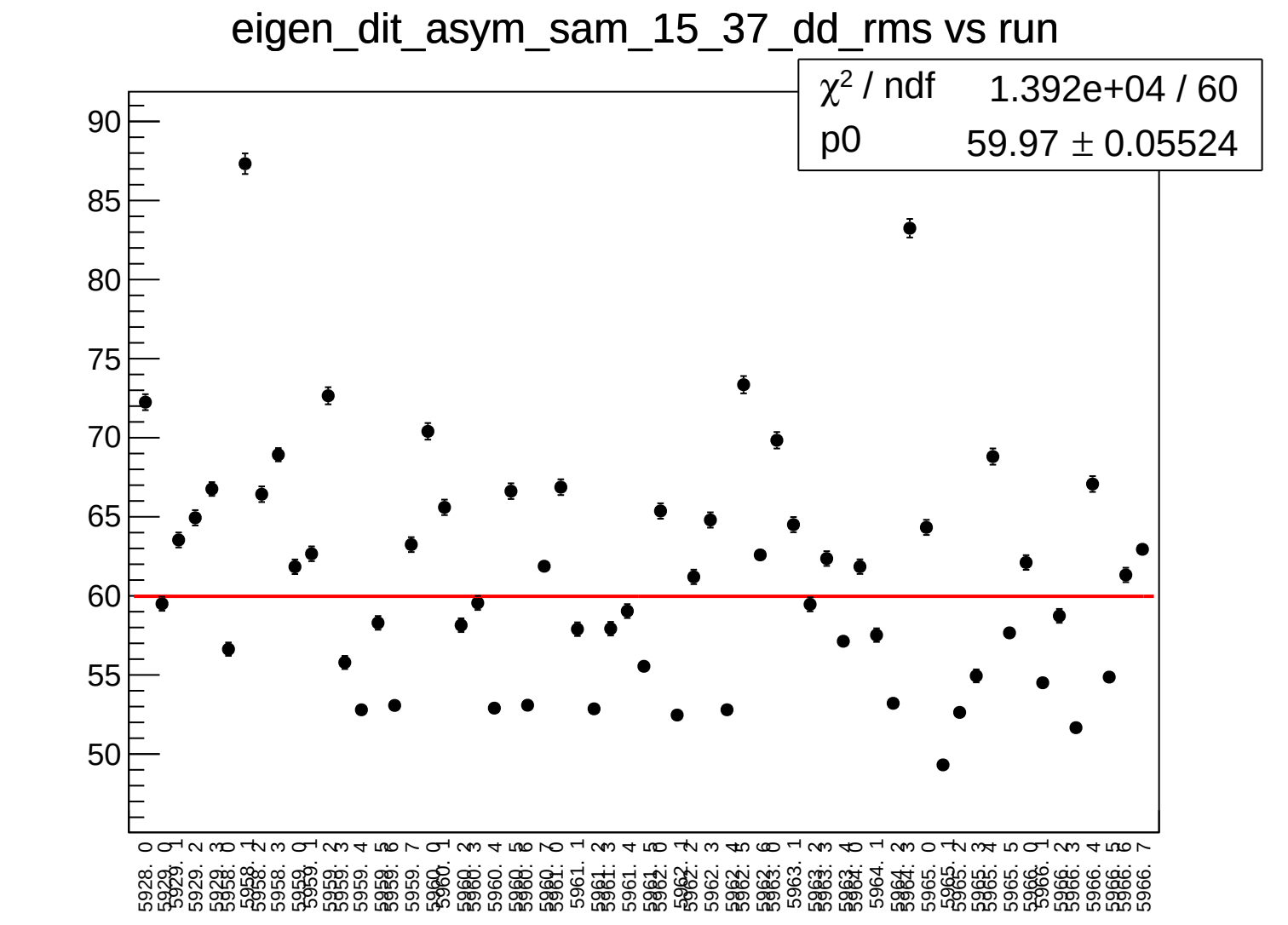

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 70.59 / 60
p0 1080 ± 1063
pull
Entries 61
Mean 119.3
Std Dev 0

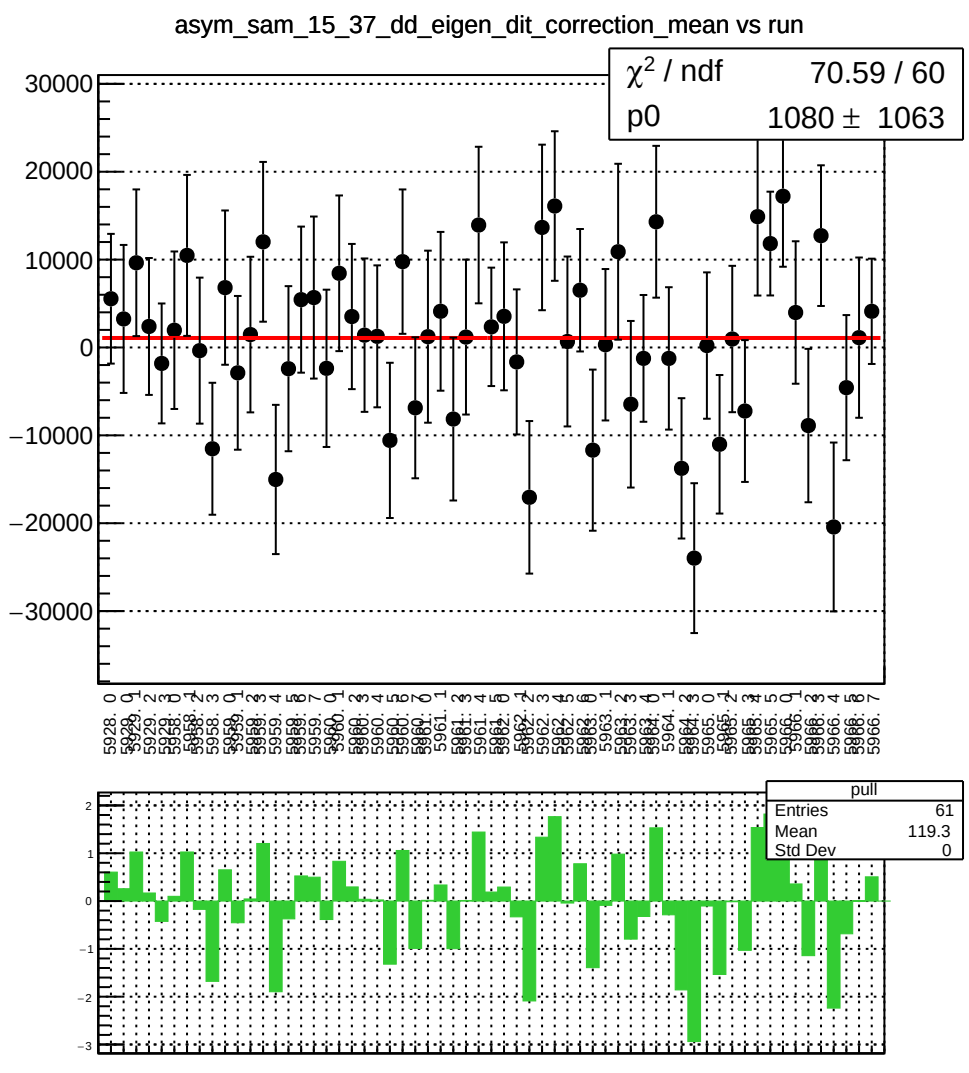

pull1D
Entries 61
Mean −0.01412
Std Dev 1.076

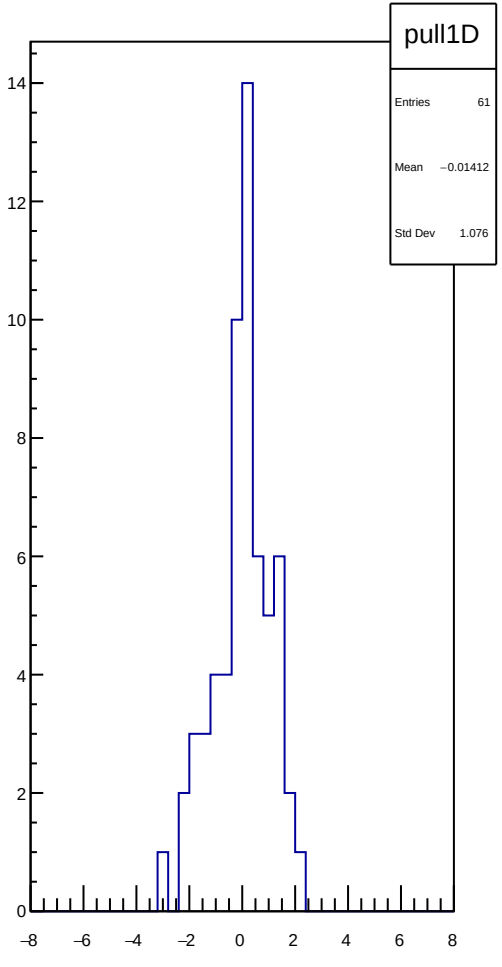

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4295 / 60
p0 819.3 ± 0.7515
950
900
850
800
750

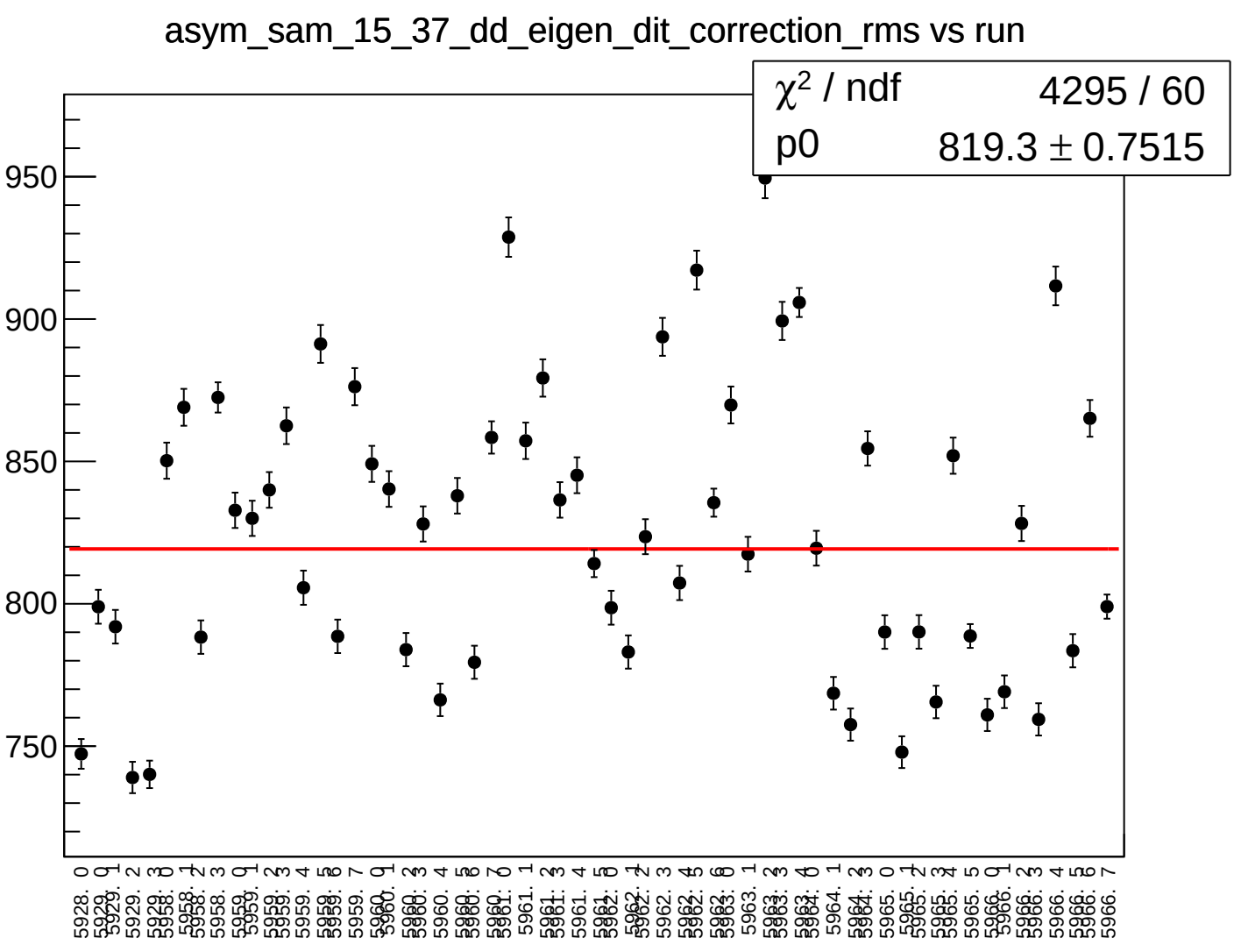

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.27 / 60
p0 −12.46 ± 78.12
pull
Entries 61
Mean 141.2
Std Dev 0

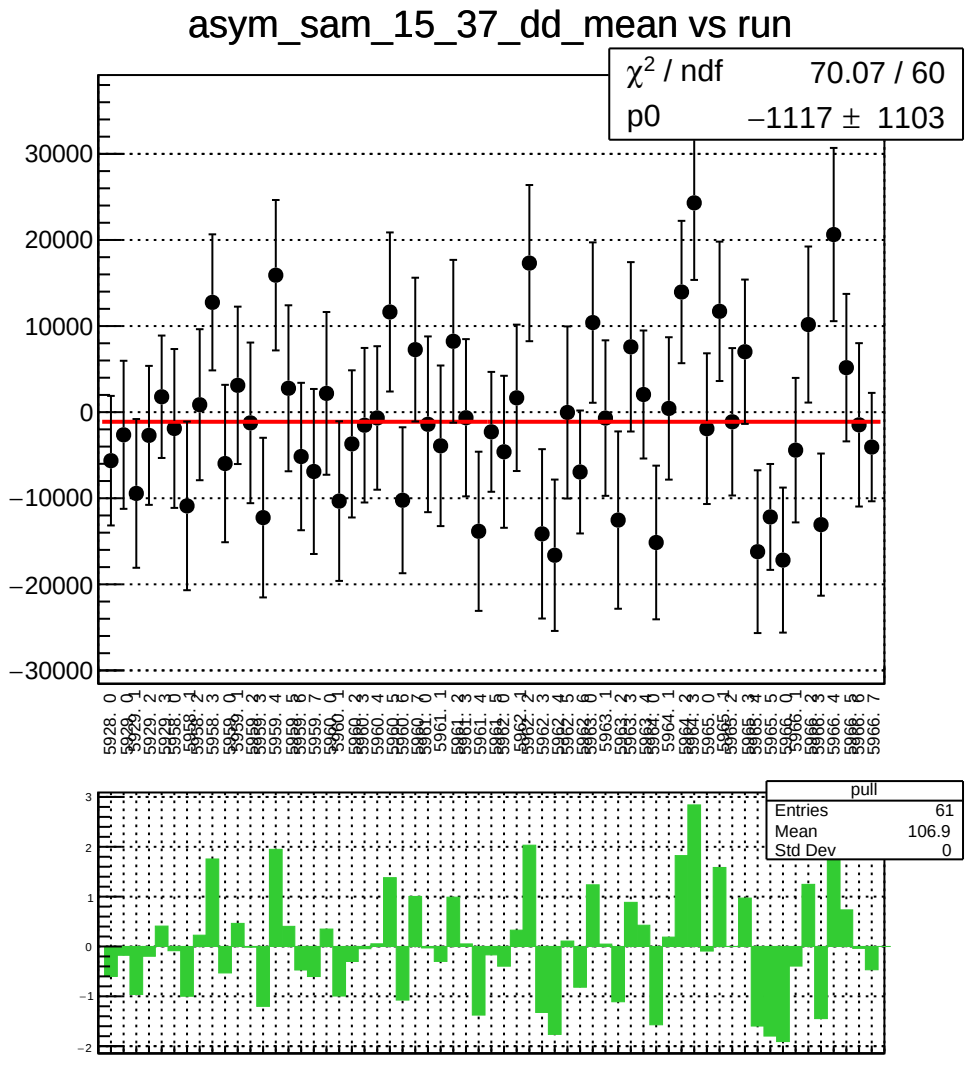

pull1D
Entries 61
Mean −0.0277
Std Dev 1.088

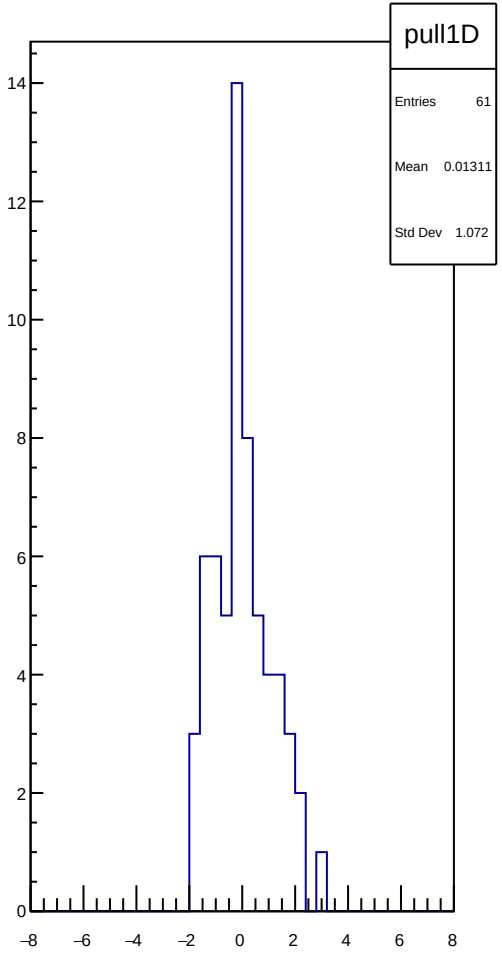

eigen_dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.392e+04 / 60
p0 59.97 ± 0.05524
90
85
80
75
70
65
60
55
50

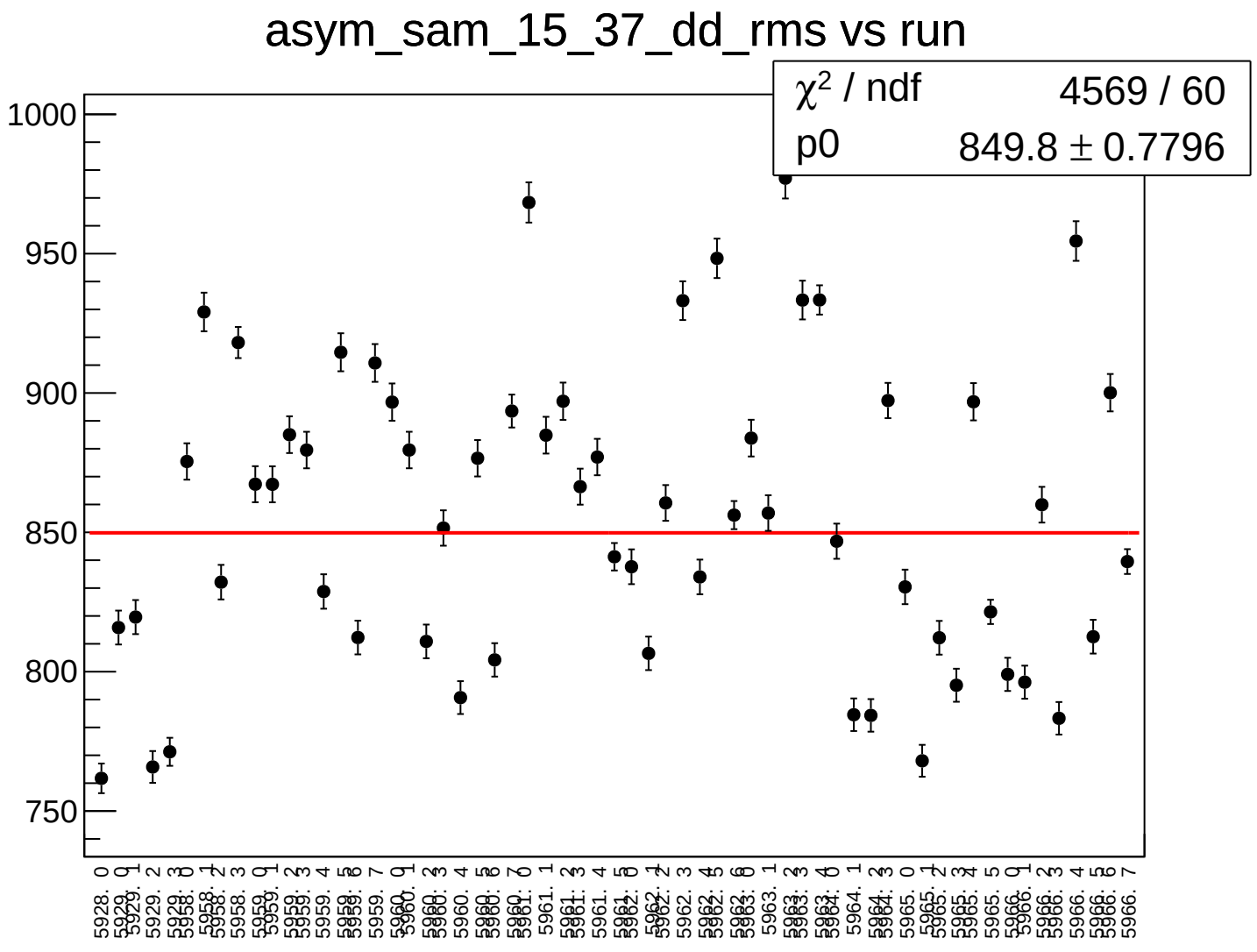

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.59 / 60
p0 1080 ± 1063
pull
Entries 61
Mean 119.3
Std Dev 0

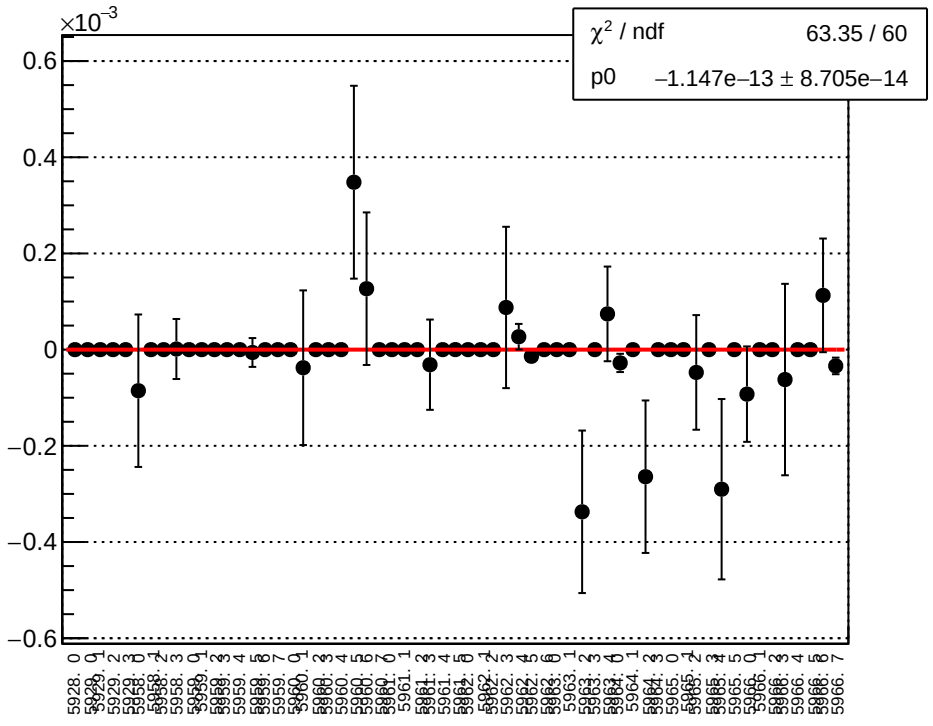

pull1D
Entries 61
Mean −0.01412
Std Dev 1.076

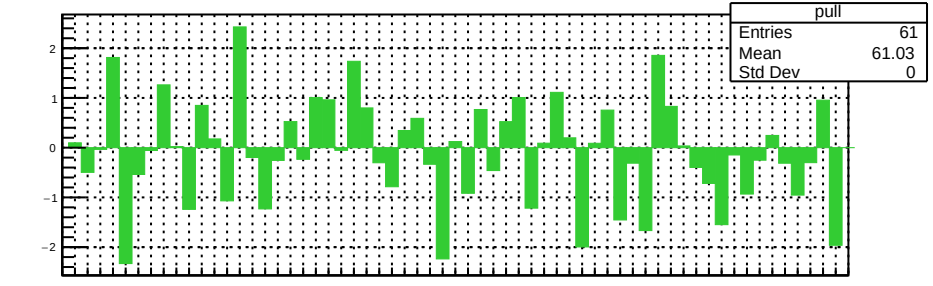

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4295 / 60
p0 819.3 ± 0.7515
950
900
850
800
750

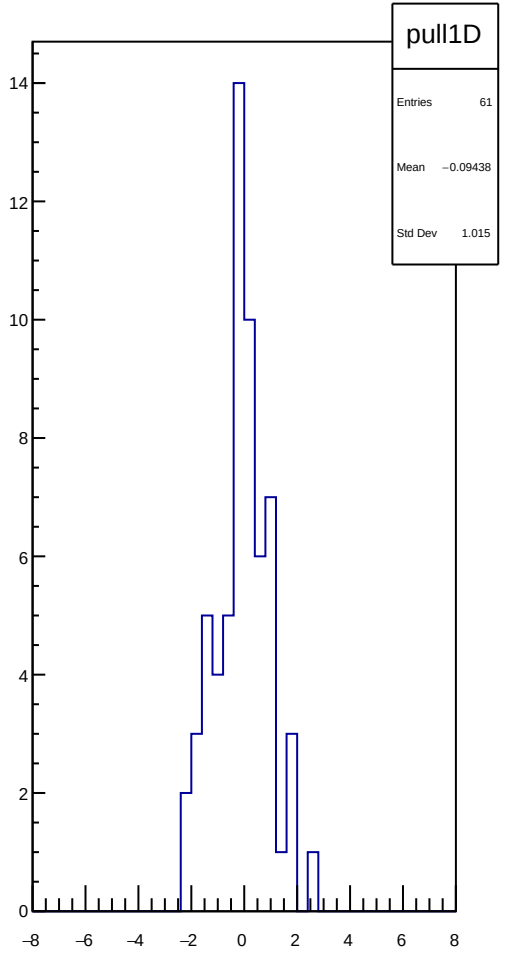

asym_sam_15_37_dd_mean vs run
χ² / ndf 70.07 / 60
p0 −1117 ± 1103
pull
Entries 61
Mean 106.9
Std Dev 0

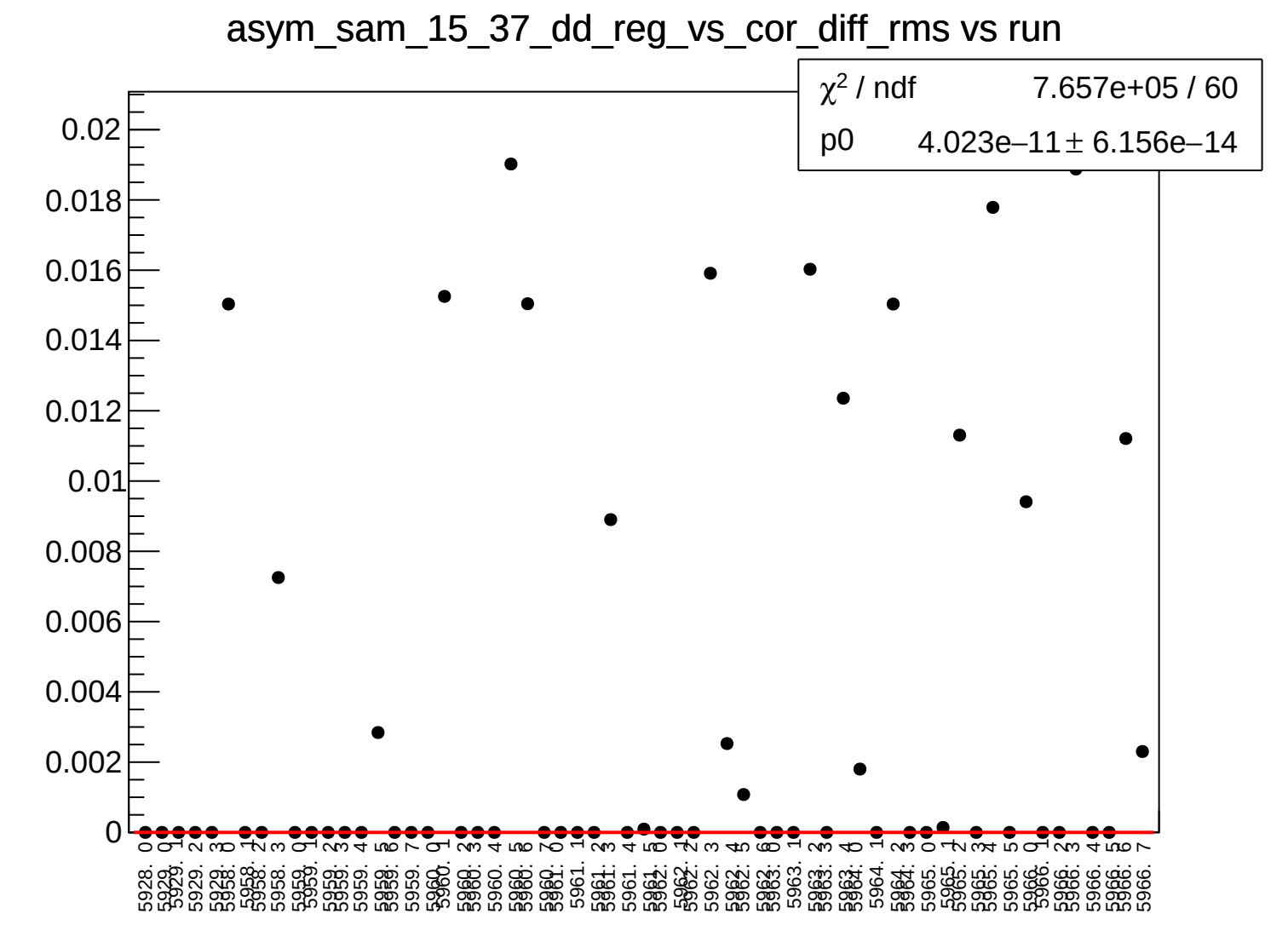

pull1D
Entries 61
Mean 0.01311
Std Dev 1.072

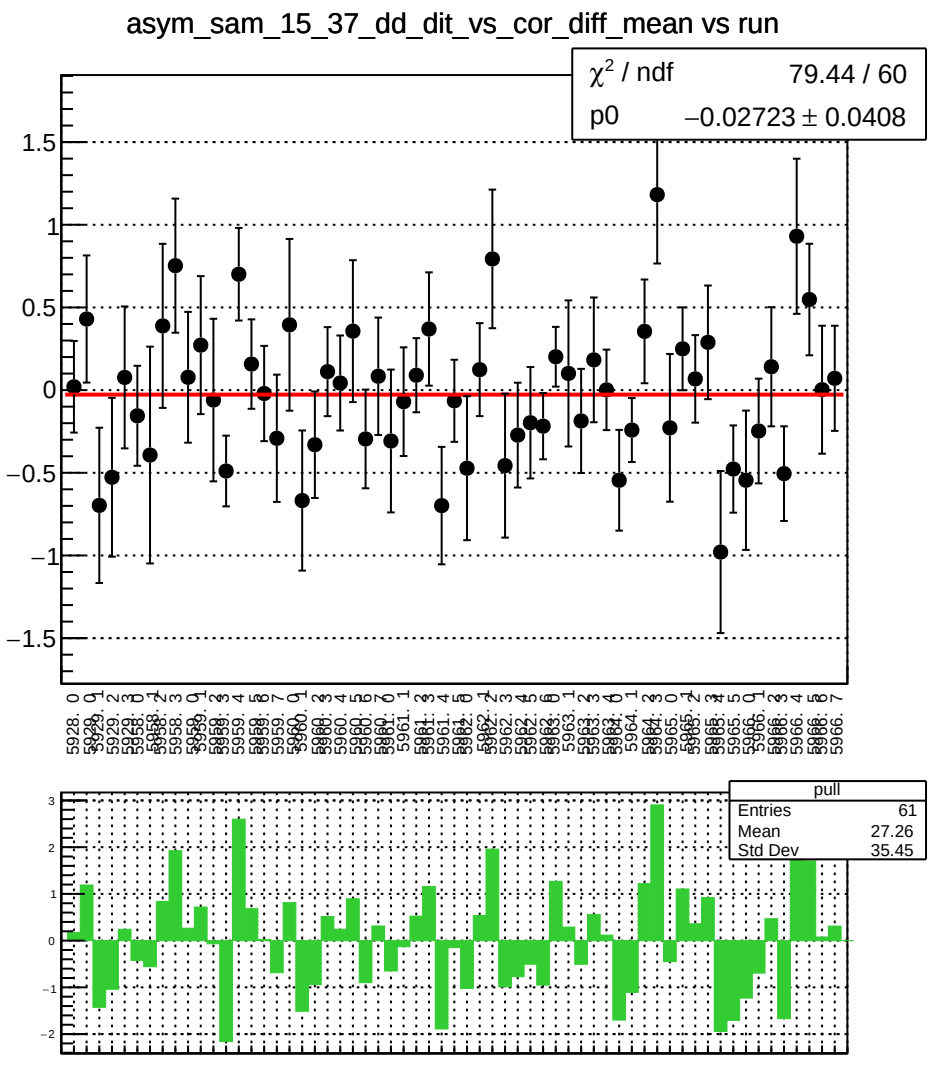

asym_sam_15_37_dd_rms vs run
χ² / ndf 4569 / 60
p0 849.8 ± 0.7796
1000
950
900
850
800
750

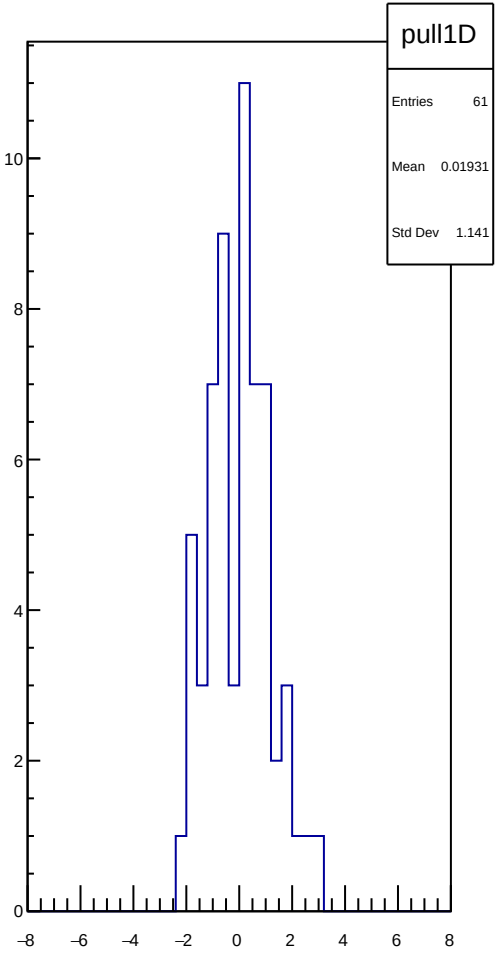

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 63.35 / 60
p0 −1.147e−13 ± 8.705e−14

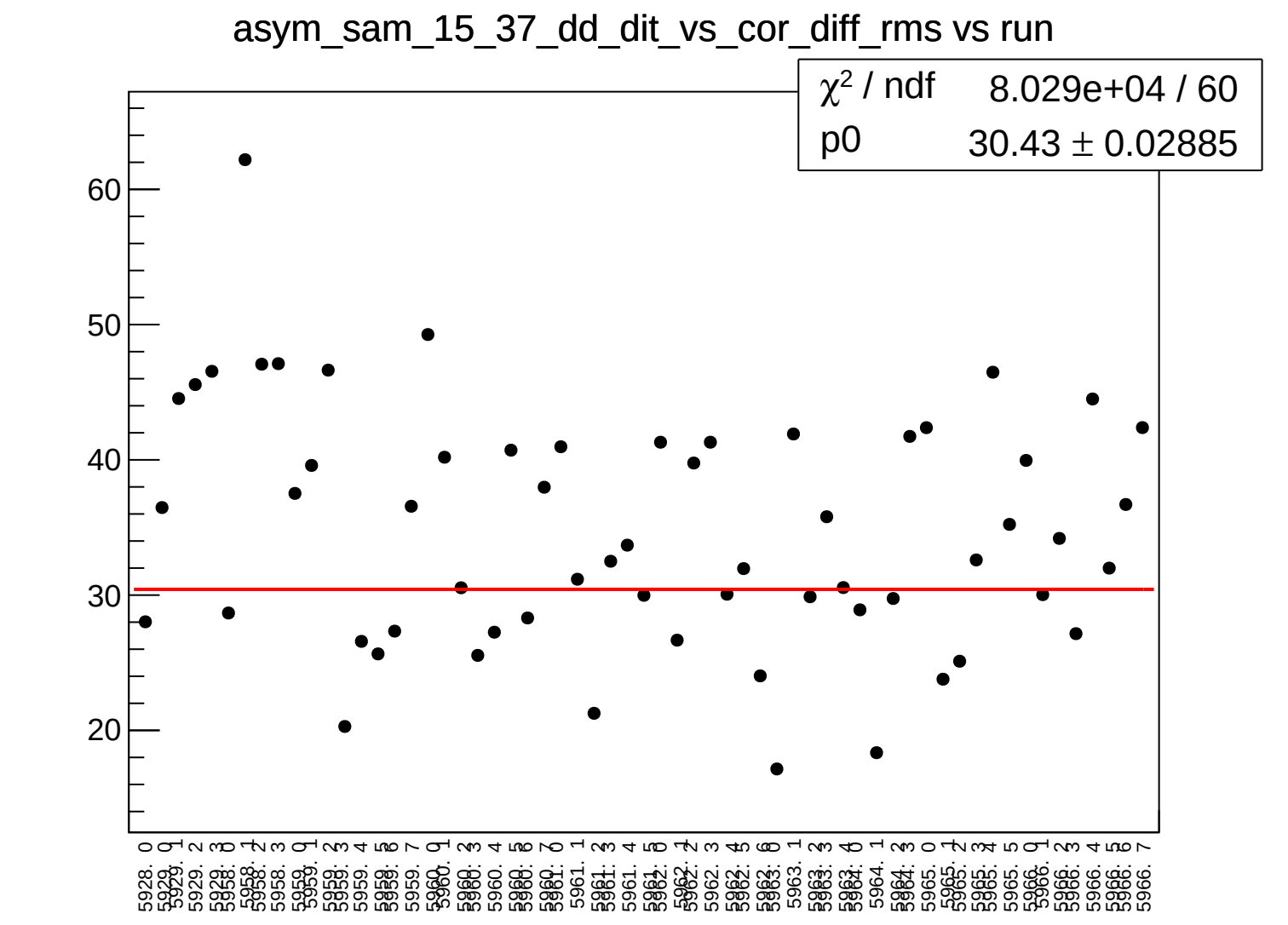

pull
Entries 61
Mean 61.03
Std Dev 0

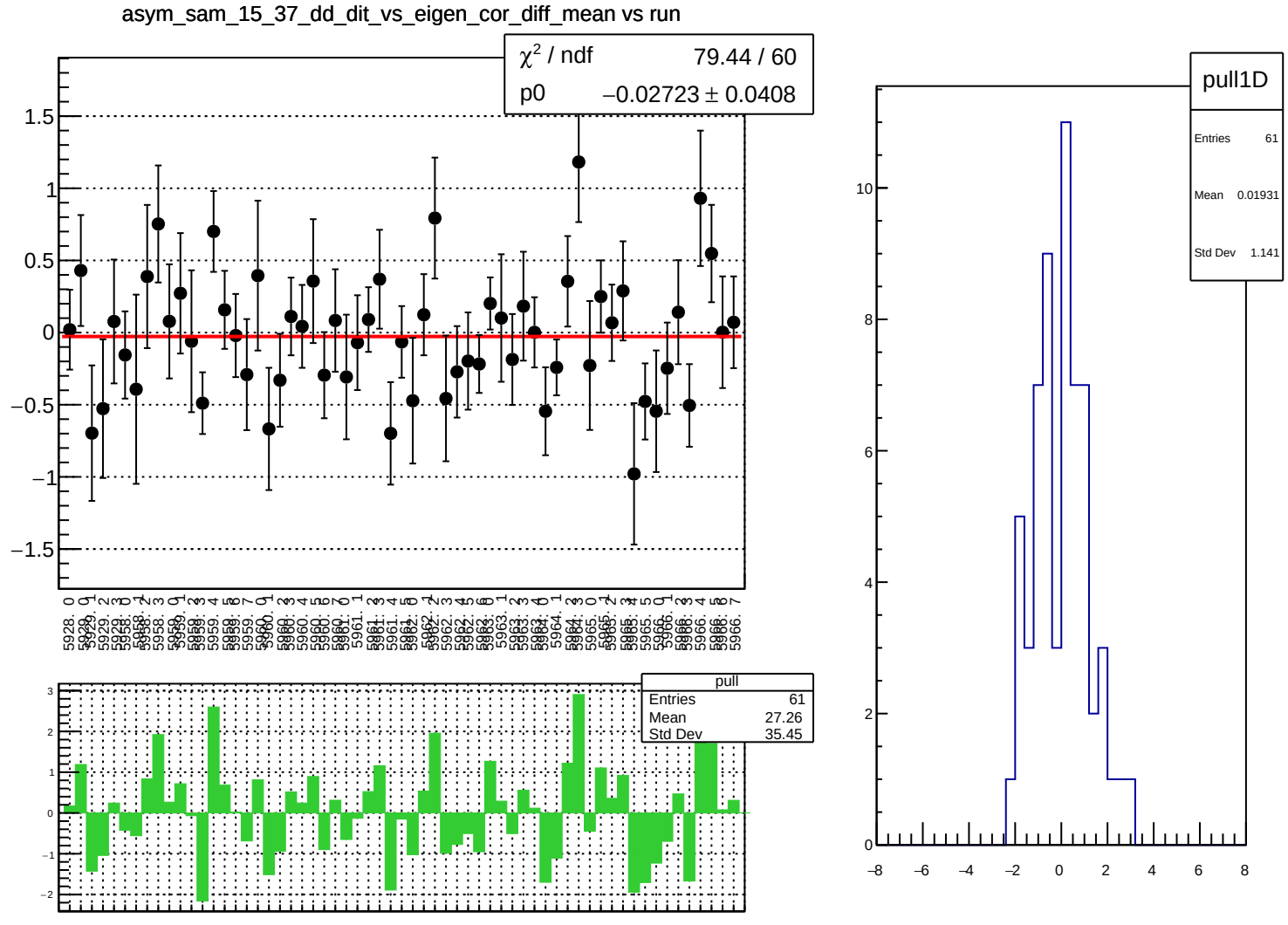

pull1D
Entries 61
Mean −0.09438
Std Dev 1.015

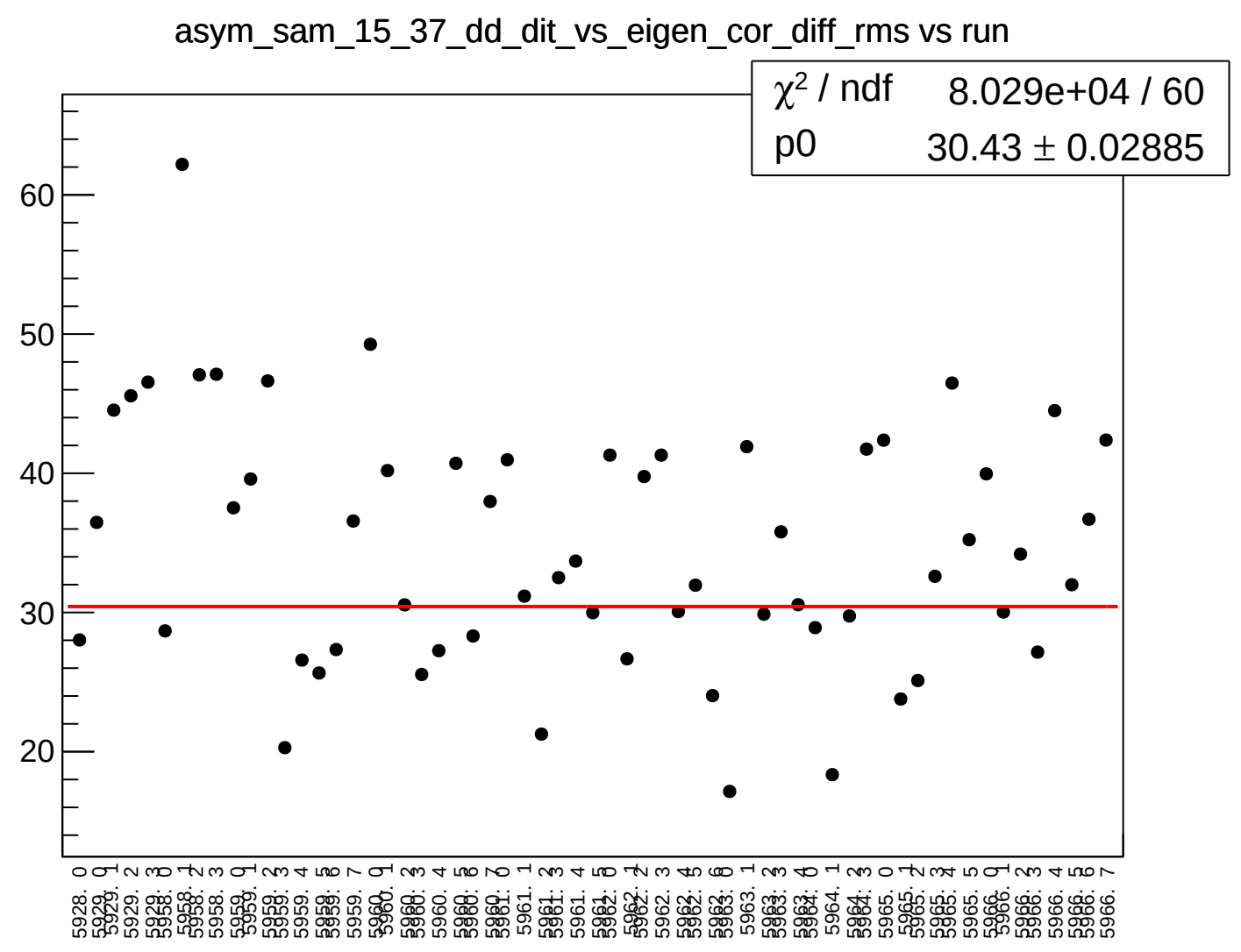

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.657e+05 / 60
p0 4.023e−11 ± 6.156e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

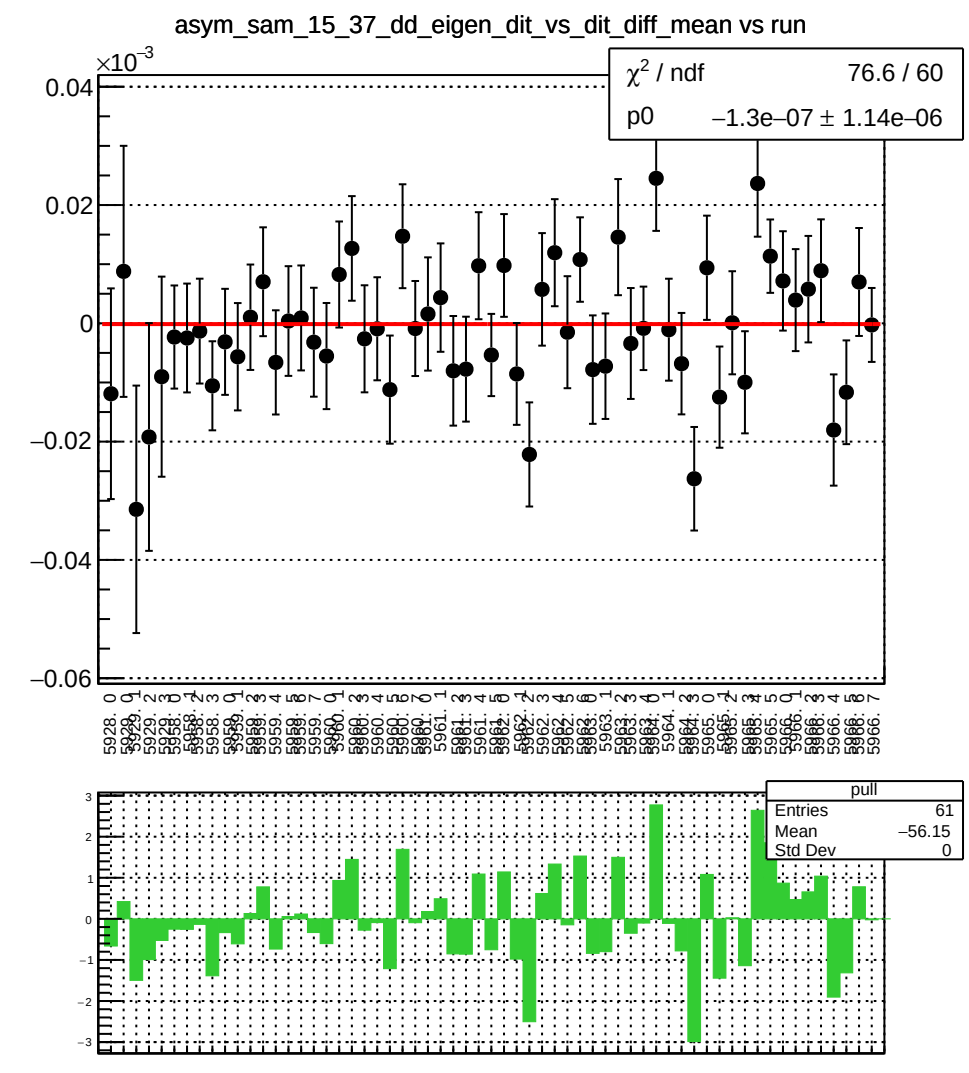

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.44 / 60
p0 −0.02723 ± 0.0408
pull
Entries 61
Mean 27.26
Std Dev 35.45

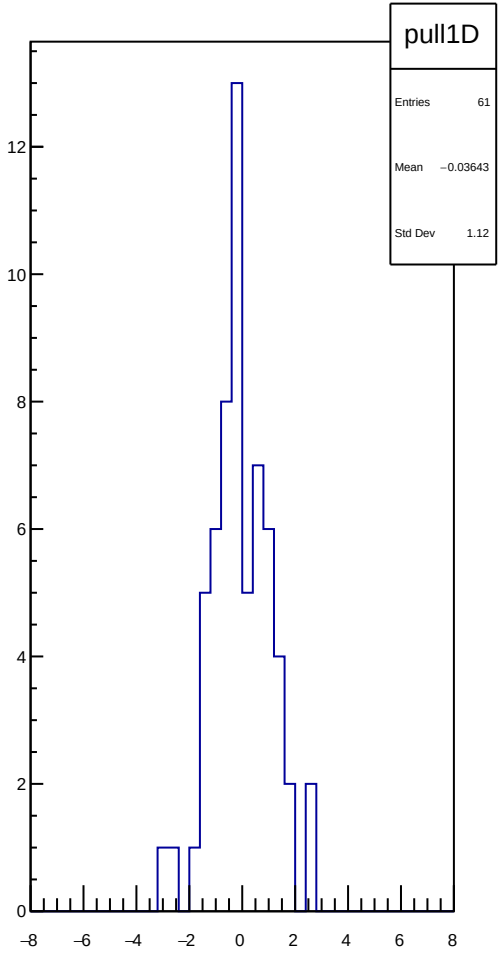

pull1D
Entries 61
Mean 0.01931
Std Dev 1.141

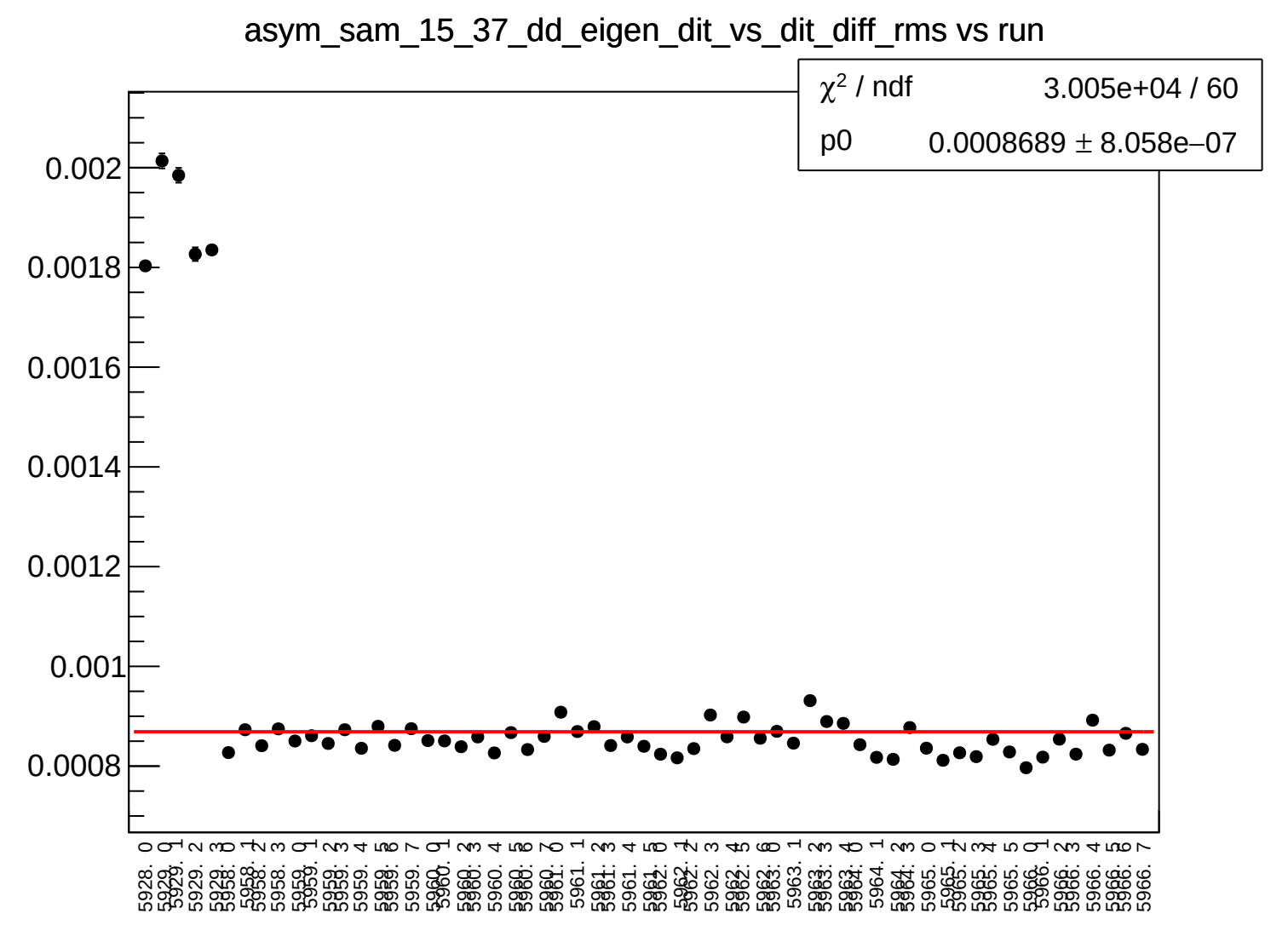

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.029e+04 / 60
p0 30.43 ± 0.02885
60
50
40
30
20

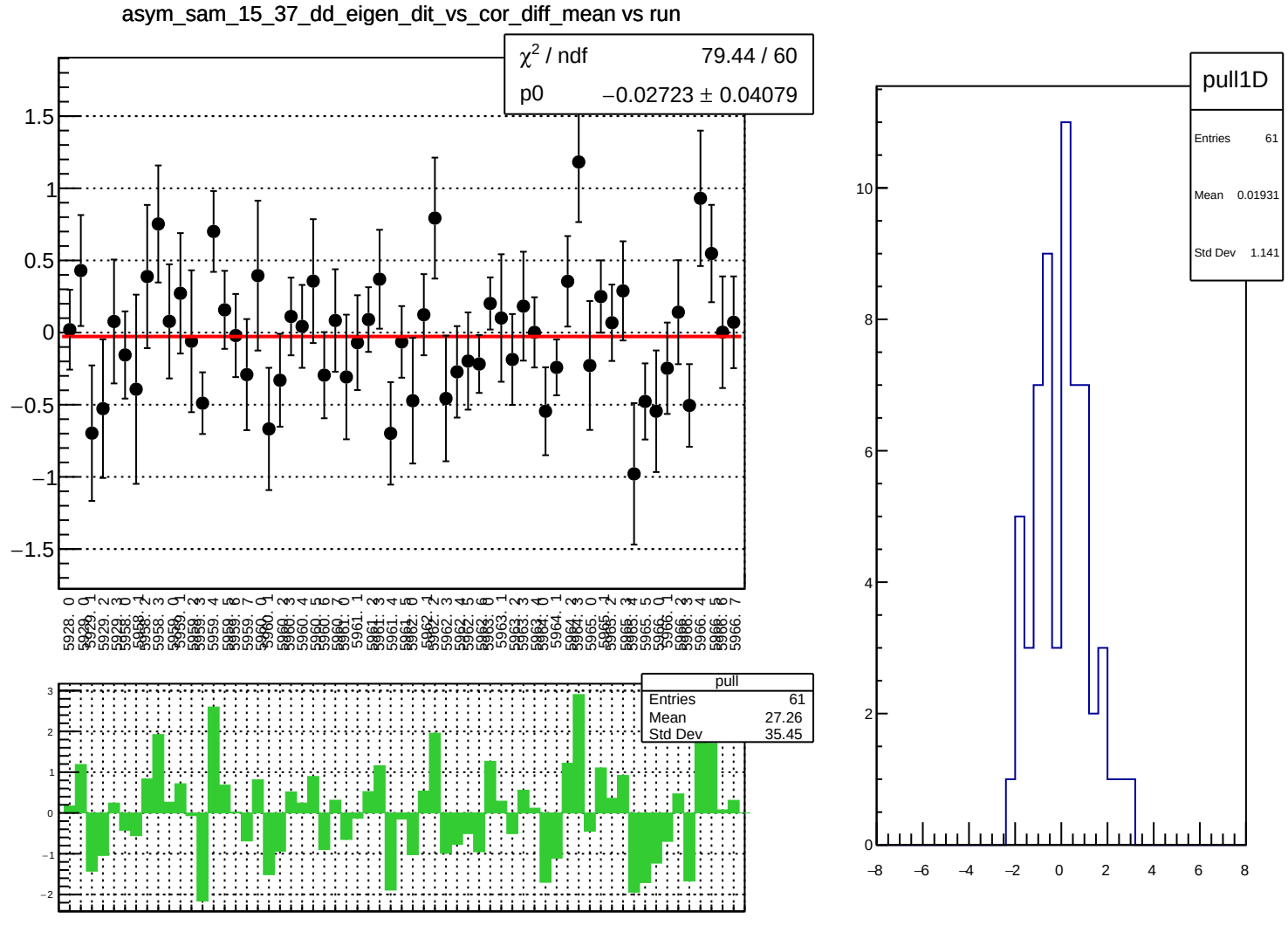

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.44 / 60
p0 −0.02723 ± 0.0408
pull
Entries 61
Mean 27.26
Std Dev 35.45
pull1D
Entries 61
Mean 0.01931
Std Dev 1.141

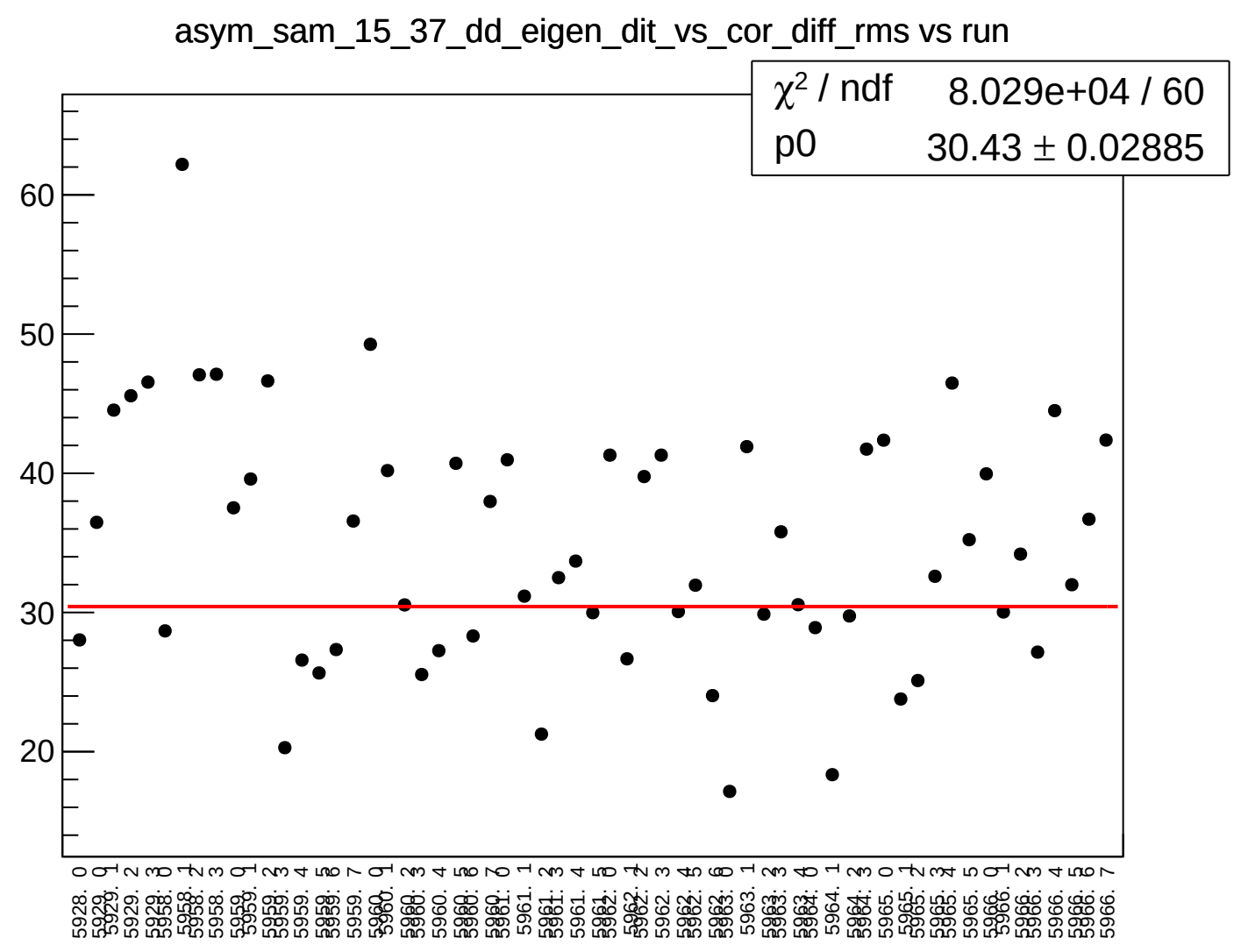

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.029e+04 / 60
p0 30.43 ± 0.02885
60
50
40
30
20

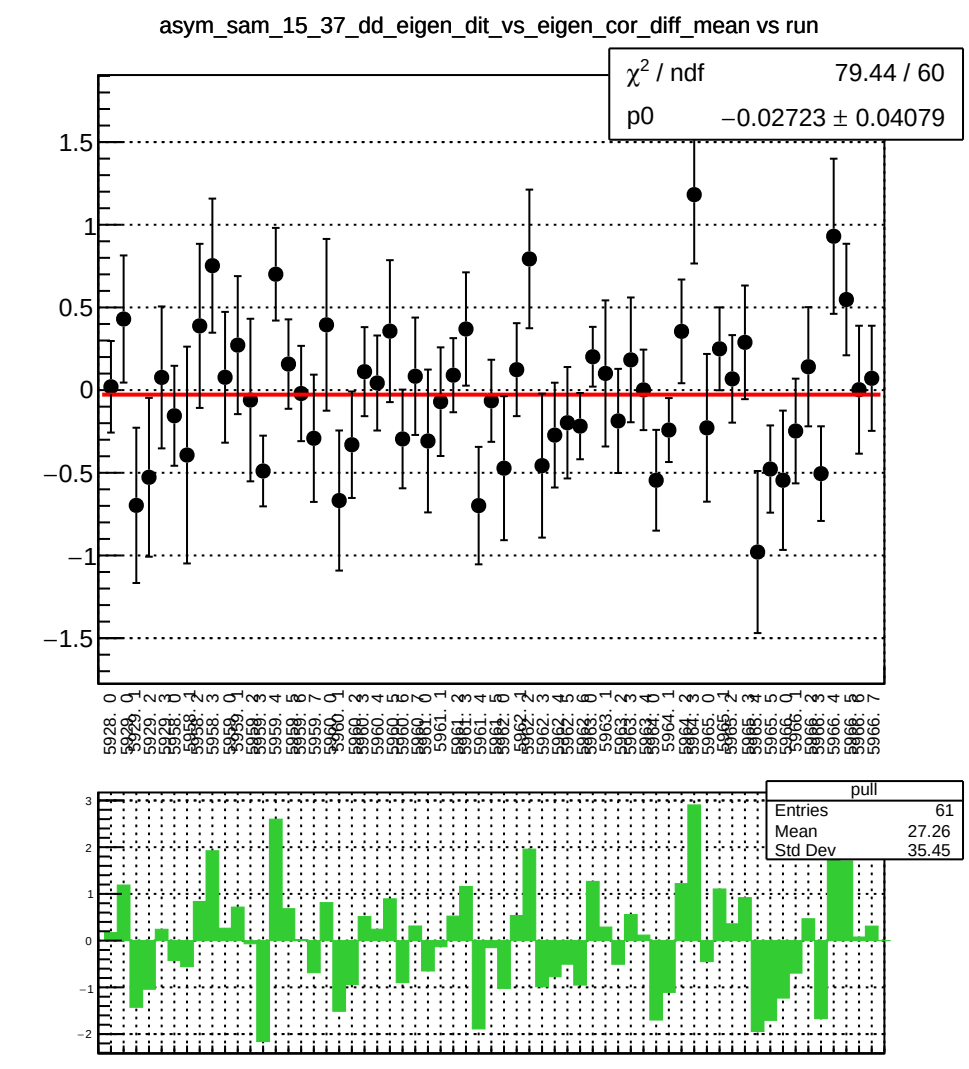

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.6 / 60
p0 −1.3e−07 ± 1.14e−06
pull
Entries 61
Mean −56.15
Std Dev 0

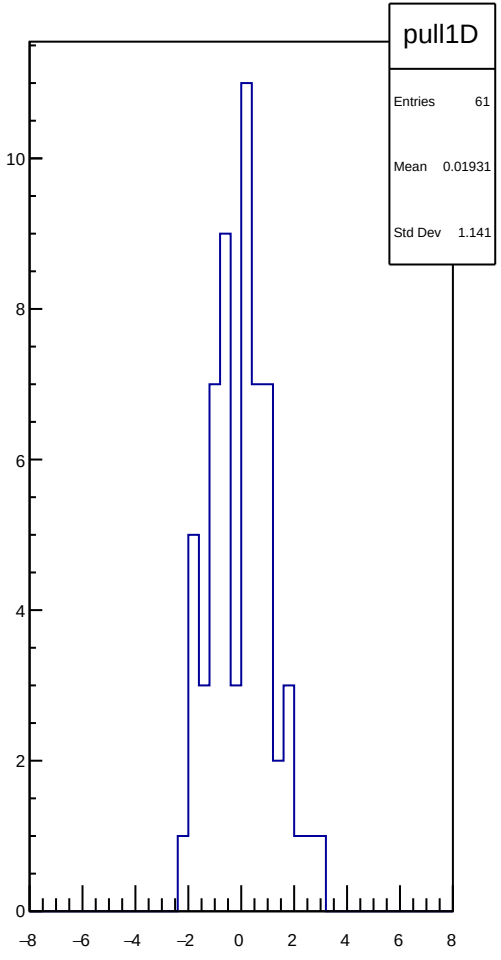

pull1D
Entries 61
Mean −0.03643
Std Dev 1.12

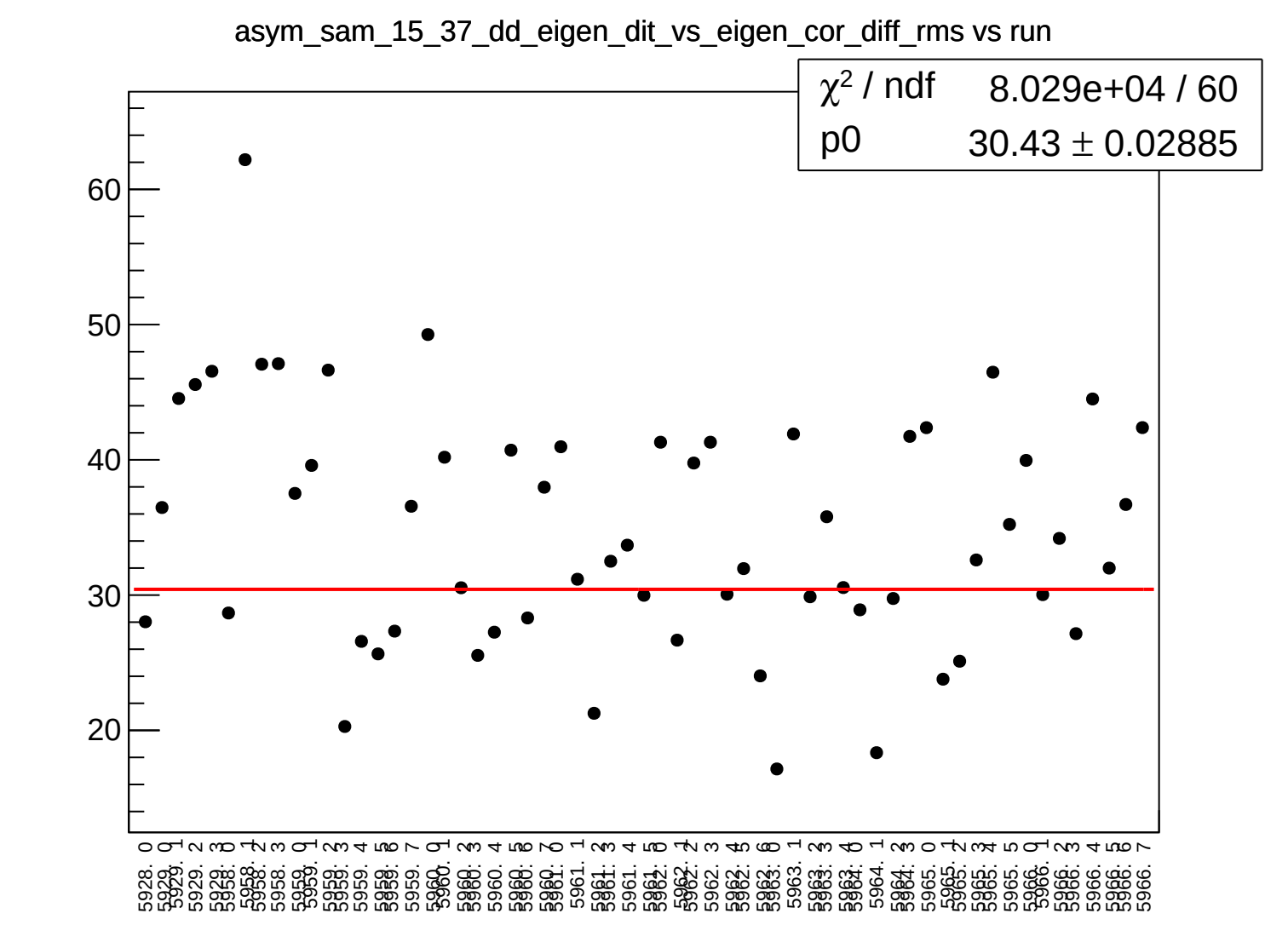

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.005e+04 / 60
p0 0.0008689 ± 8.058e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

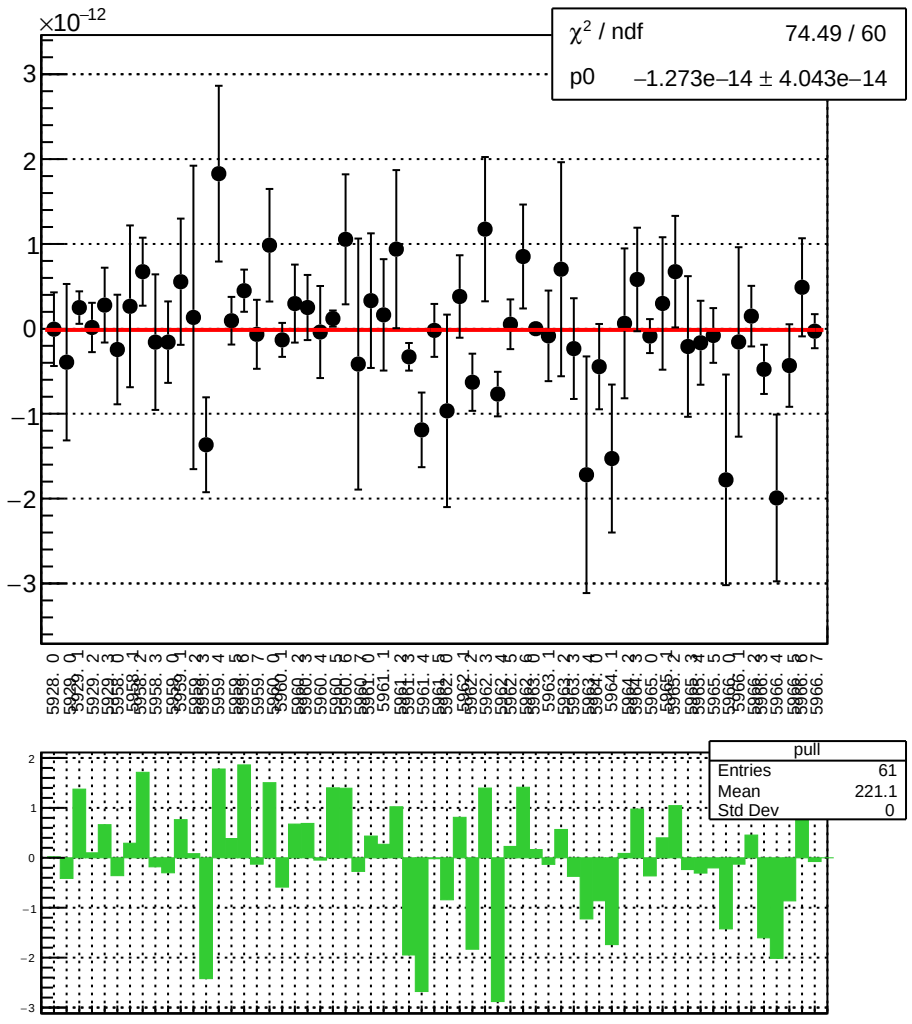

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.44 / 60
p0 −0.02723 ± 0.04079
pull
Entries 61
Mean 27.26
Std Dev 35.45
pull1D
Entries 61
Mean 0.01931
Std Dev 1.141

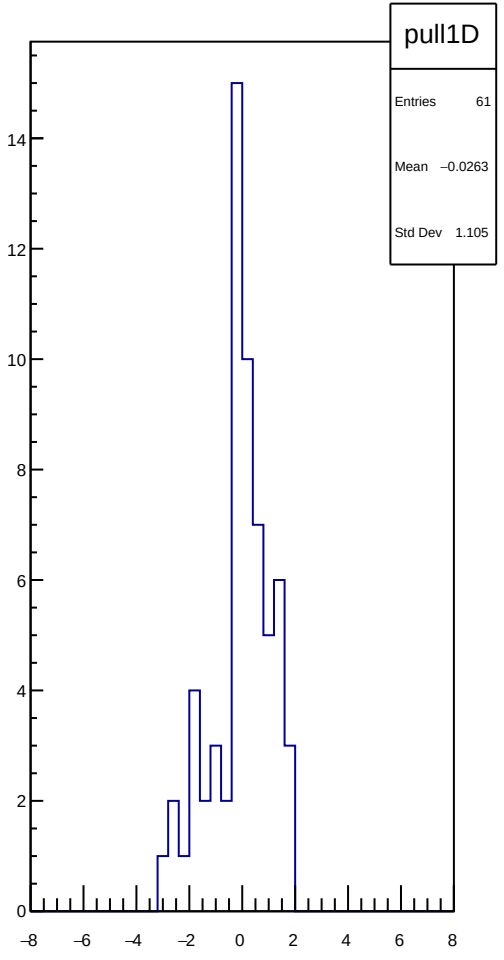

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.029e+04 / 60
p0 30.43 ± 0.02885
60
50
40
30
20

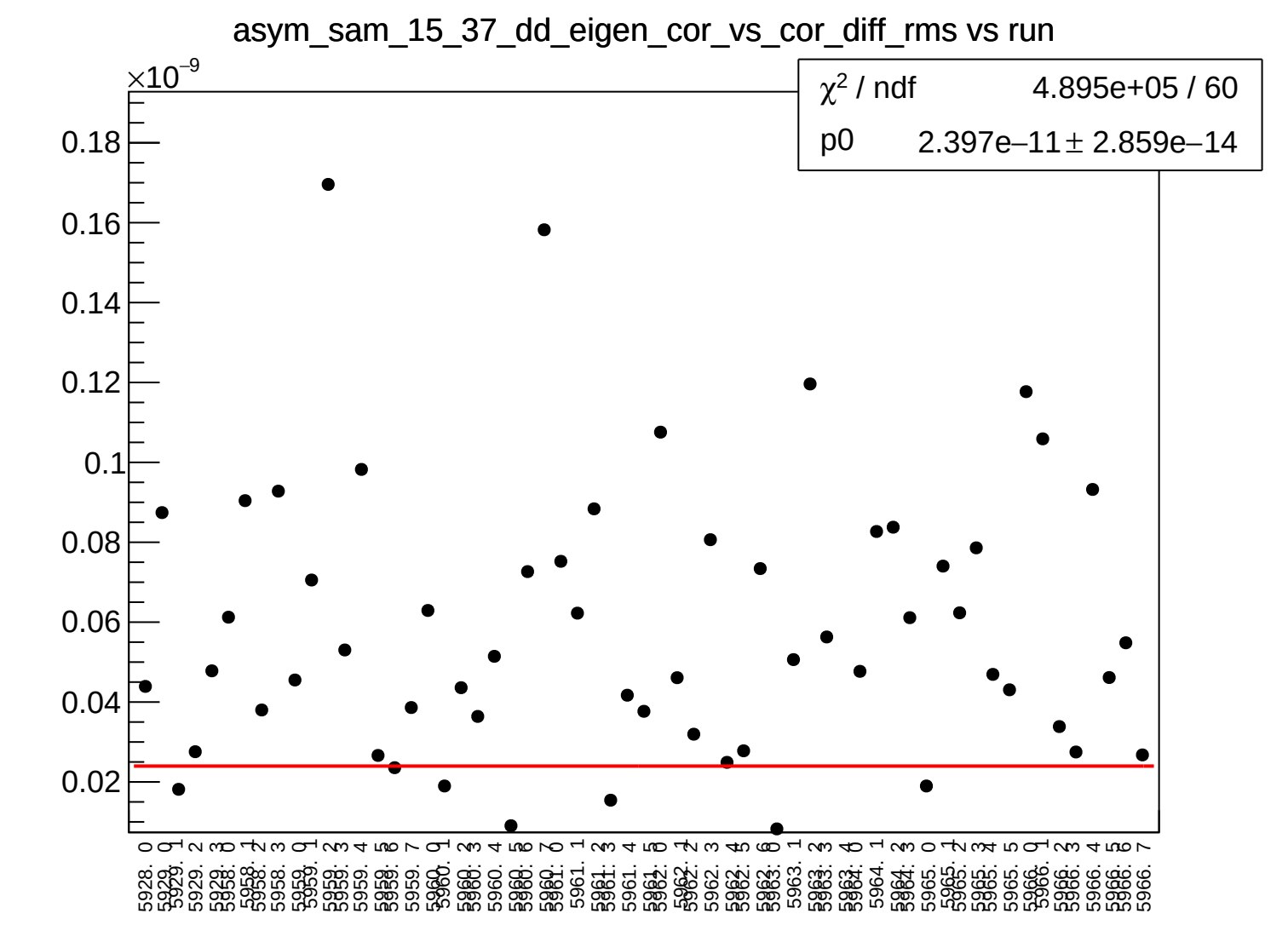

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.44 / 60
p0 −0.02723 ± 0.04079
pull
Entries 61
Mean 27.26
Std Dev 35.45

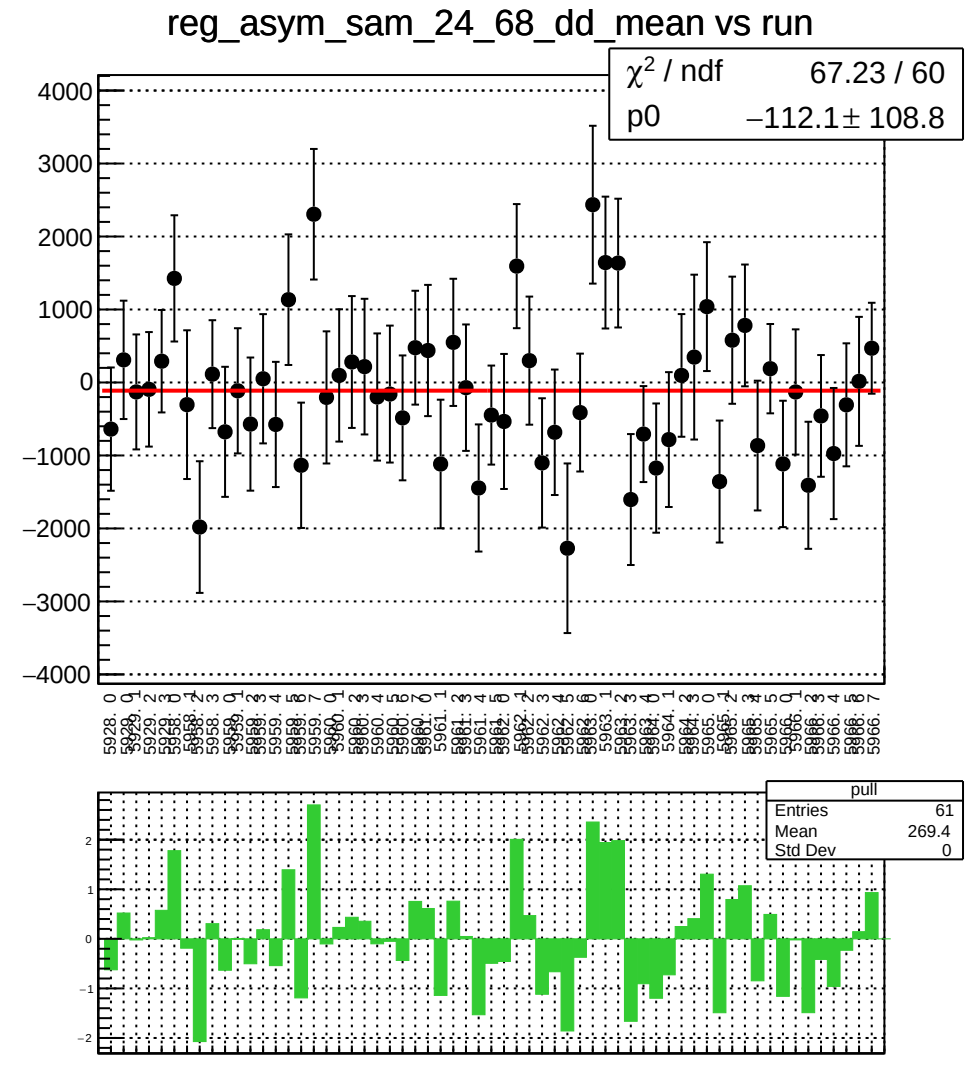

pull1D
Entries 61
Mean 0.01931
Std Dev 1.141

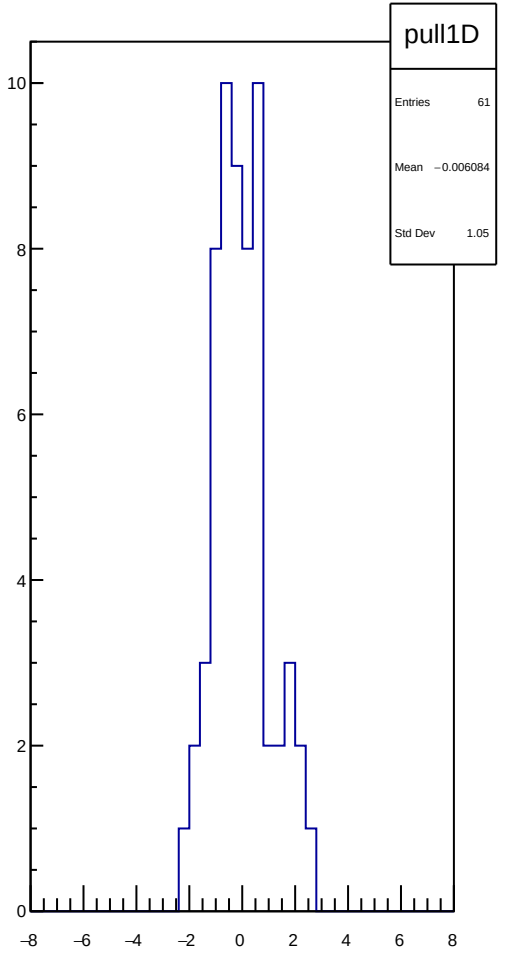

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.029e+04 / 60
p0 30.43 ± 0.02885
60
50
40
30
20

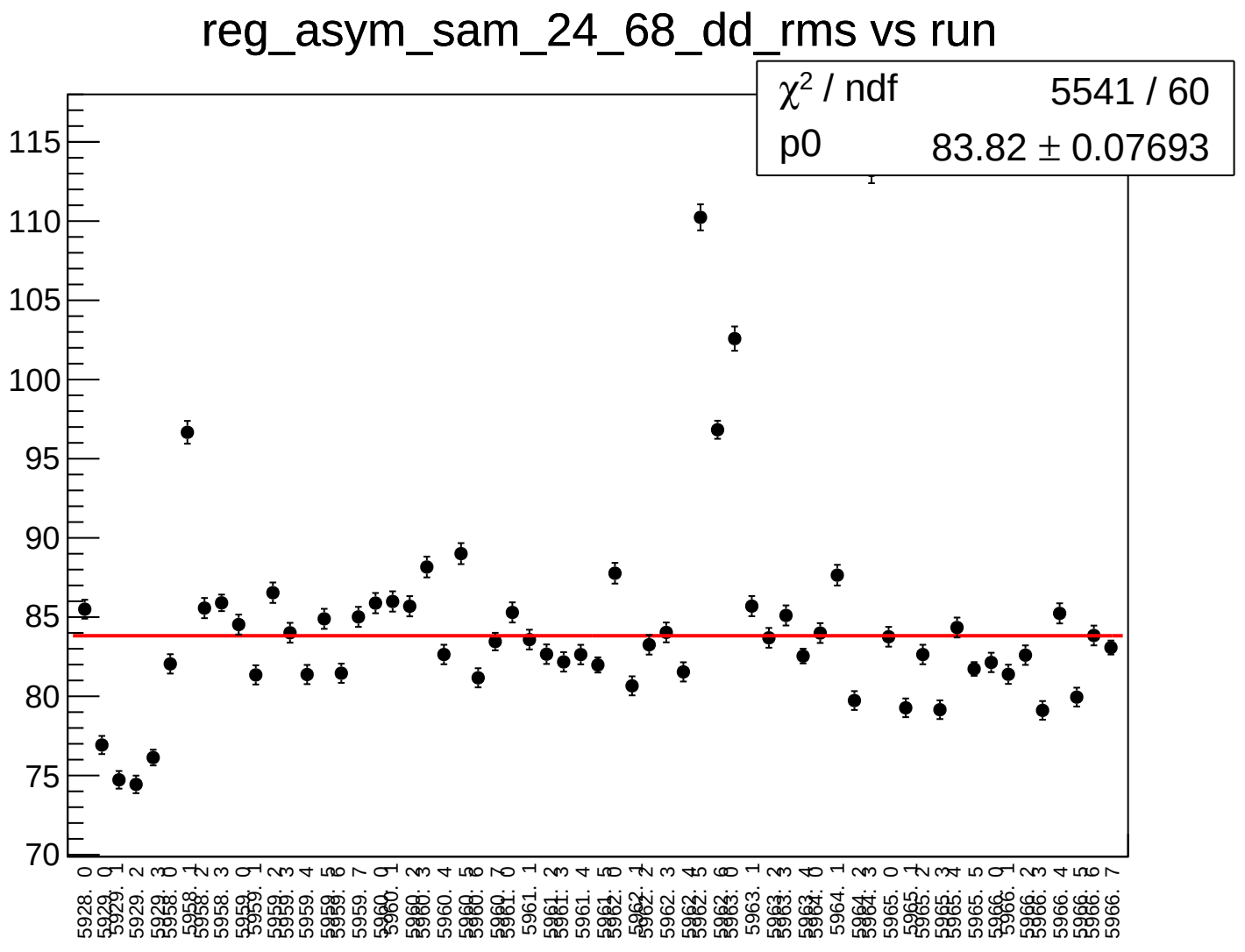

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.49 / 60
p0 −1.273e−14 ± 4.043e−14
pull
Entries 61
Mean 221.1
Std Dev 0

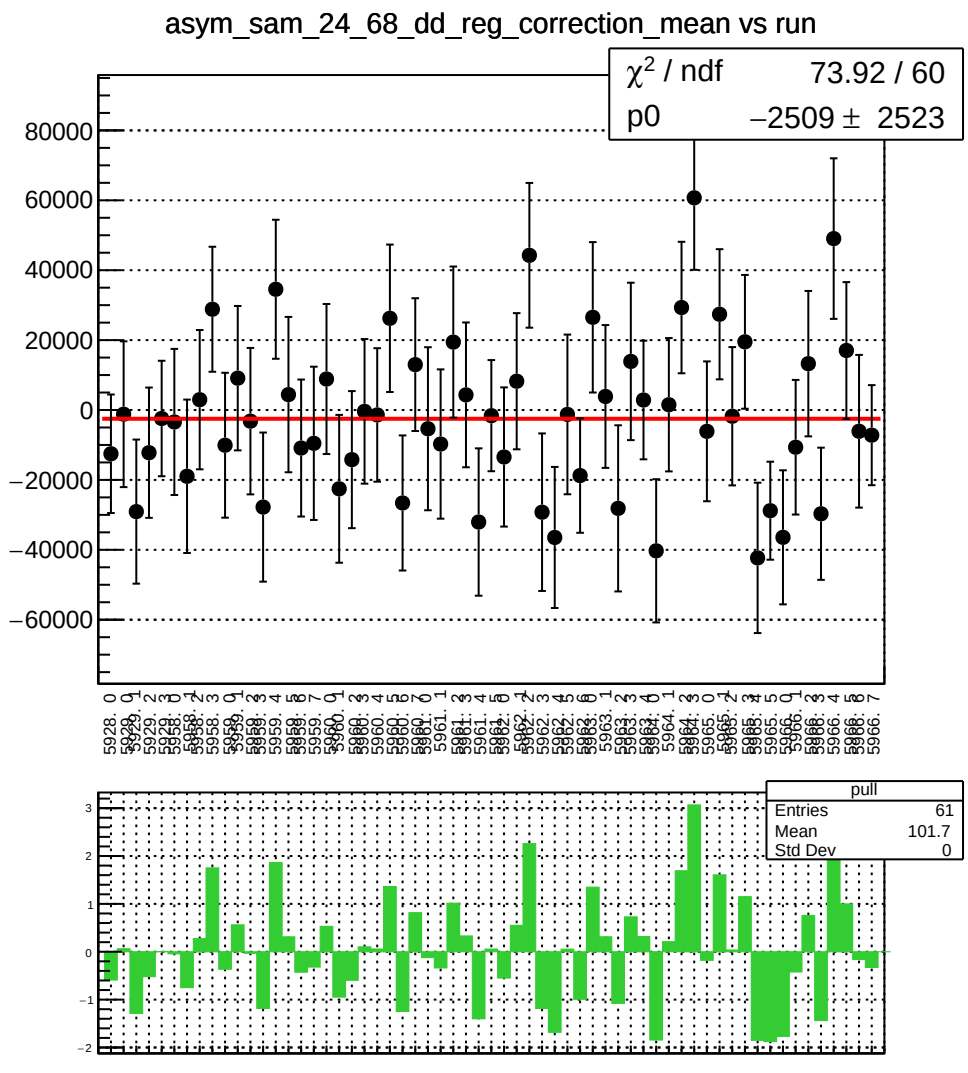

pull1D
Entries 61
Mean −0.0263
Std Dev 1.105

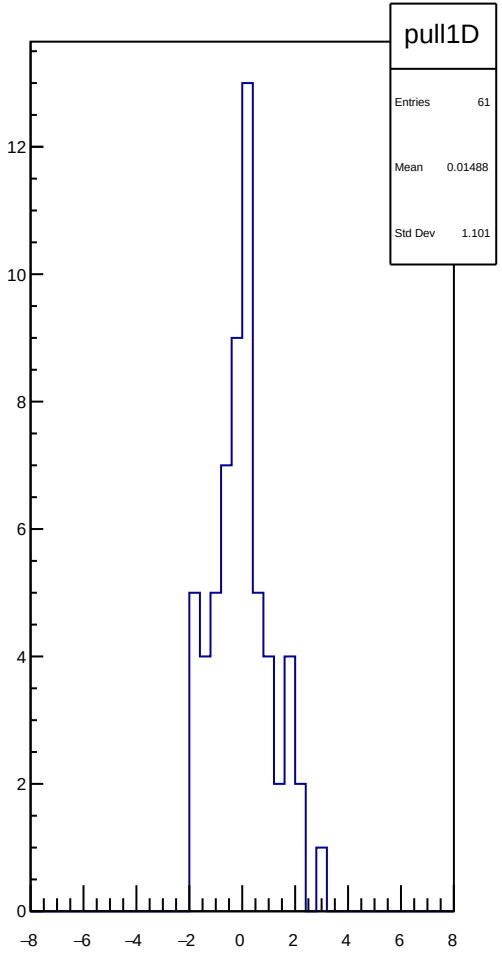

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.895e+05 / 60
p0 2.397e−11 ± 2.859e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

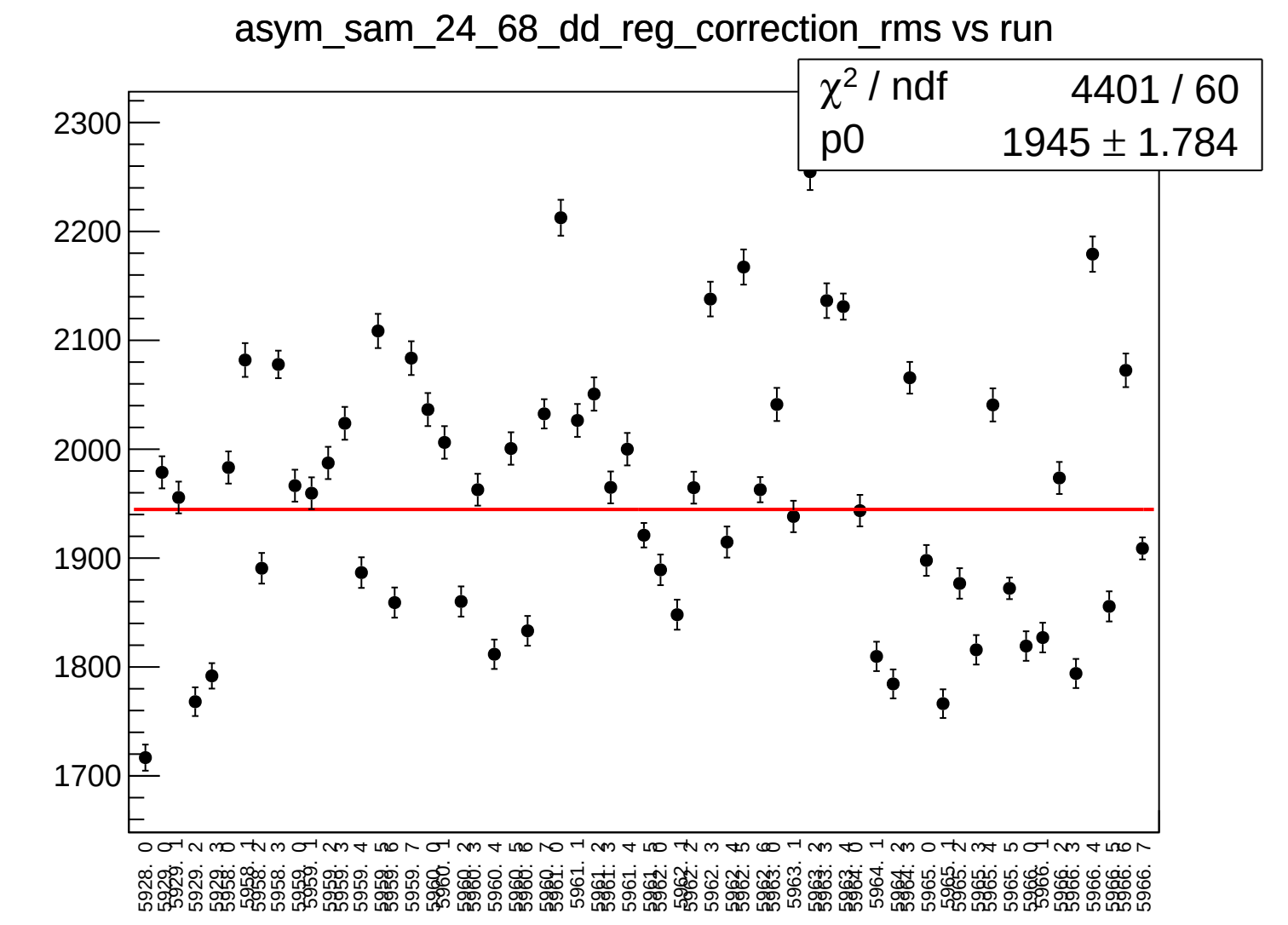

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 67.23 / 60
p0 −112.1± 108.8
pull
Entries 61
Mean 269.4
Std Dev 0

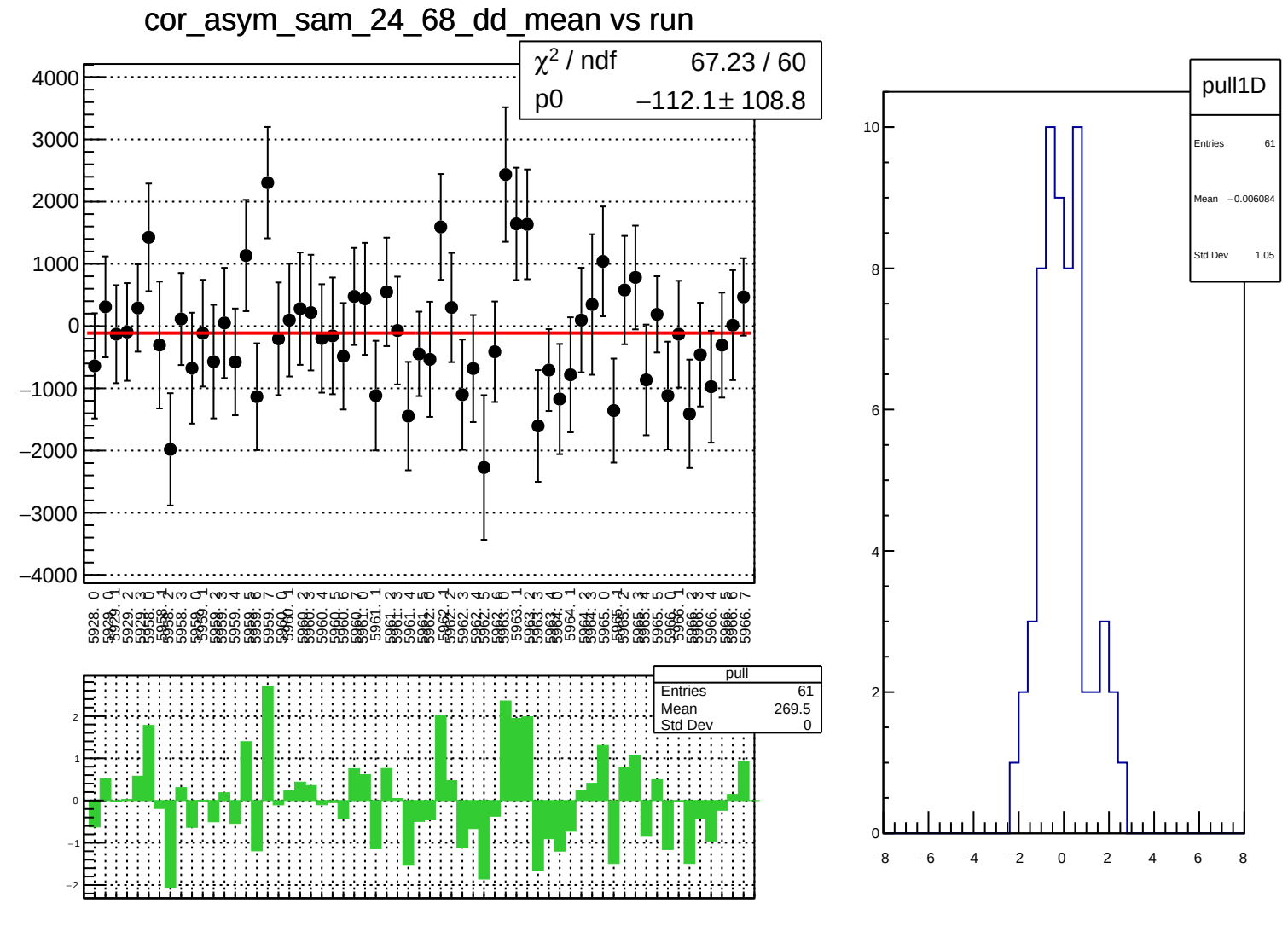

pull1D
Entries 61
Mean −0.006084
Std Dev 1.05

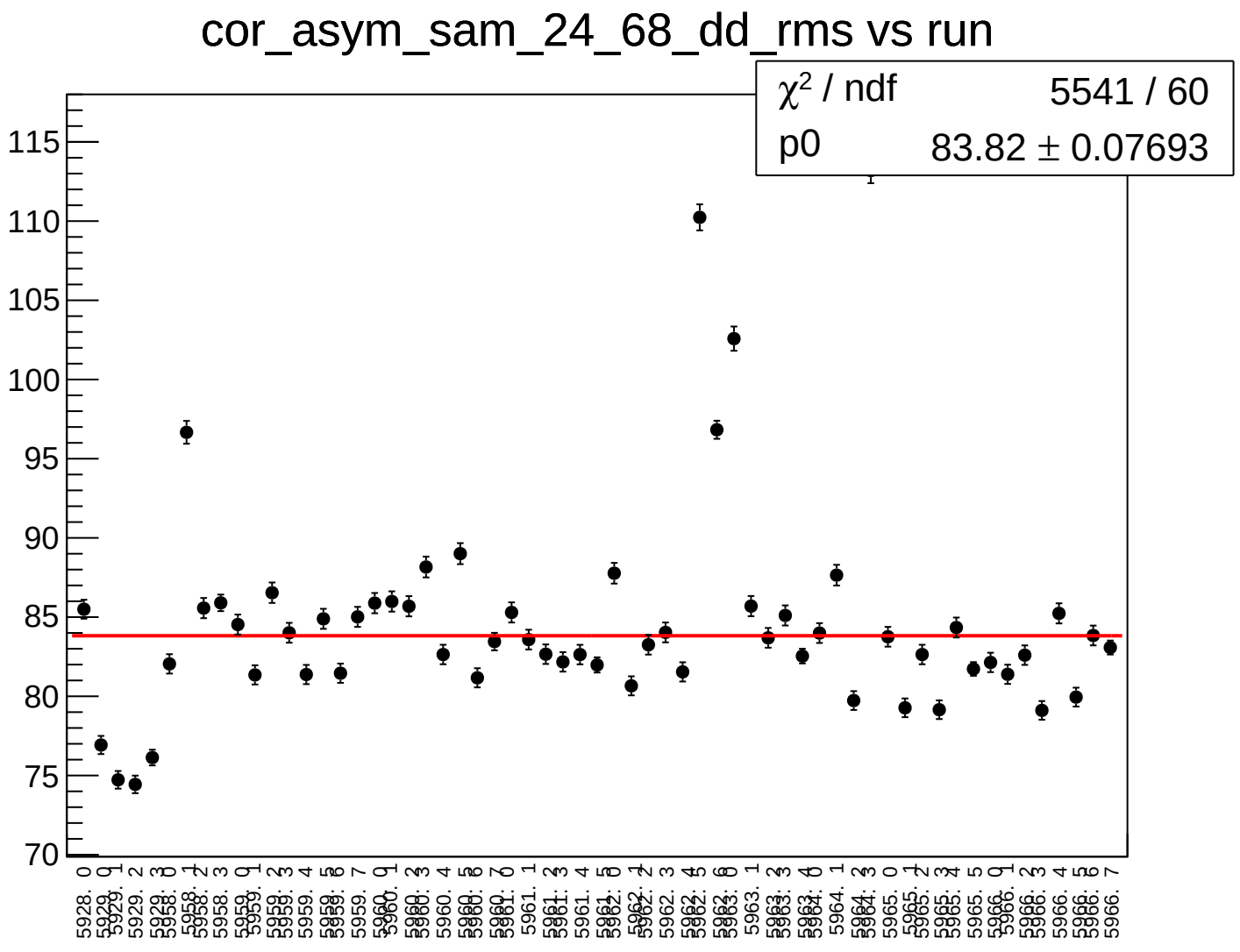

reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 5541 / 60
p0 83.82 ± 0.07693
115
110
105
100
95
90
85
80
75
70

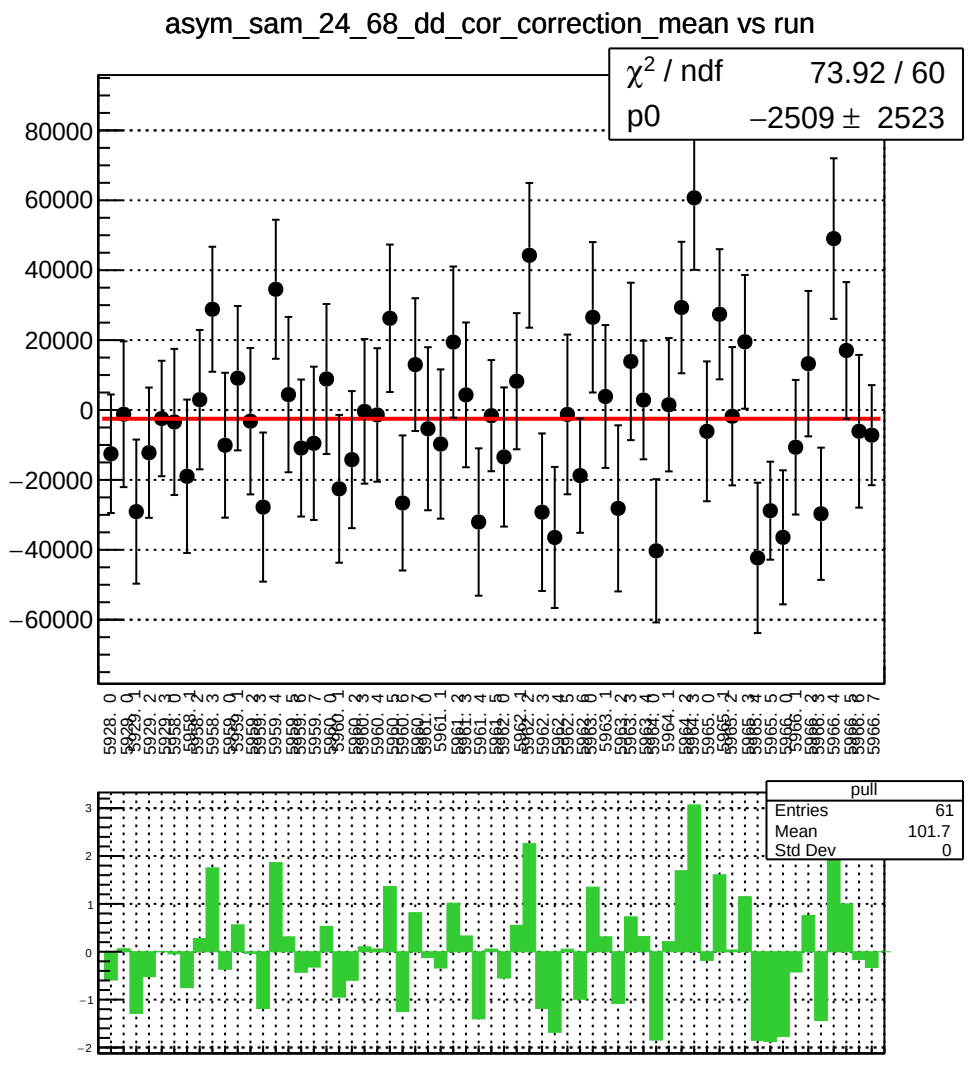

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 73.92 / 60
p0 −2509 ± 2523
pull
Entries 61
Mean 101.7
Std Dev 0

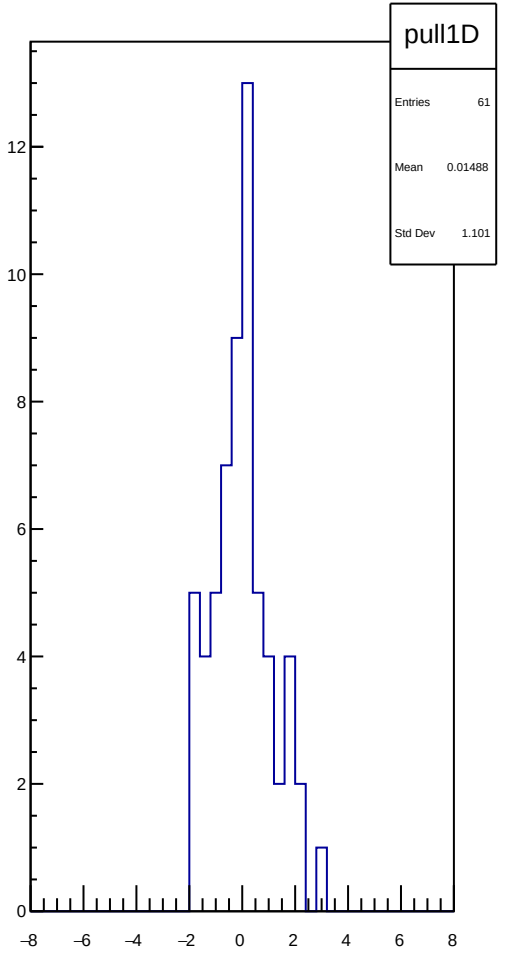

pull1D
Entries 61
Mean 0.01488
Std Dev 1.101

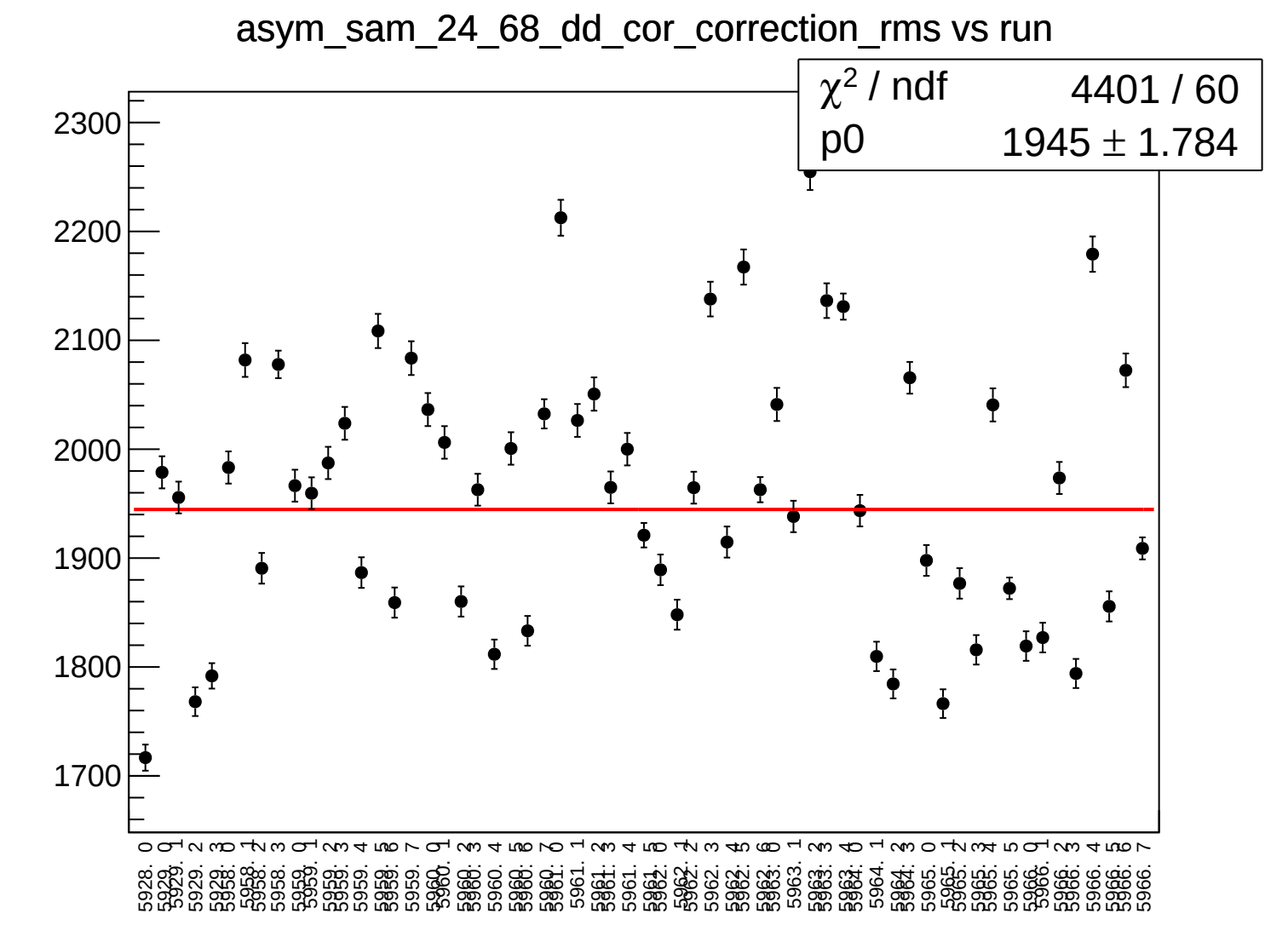

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 4401 / 60
p0 1945 ± 1.784
2300
2200
2100
2000
1900
1800
1700

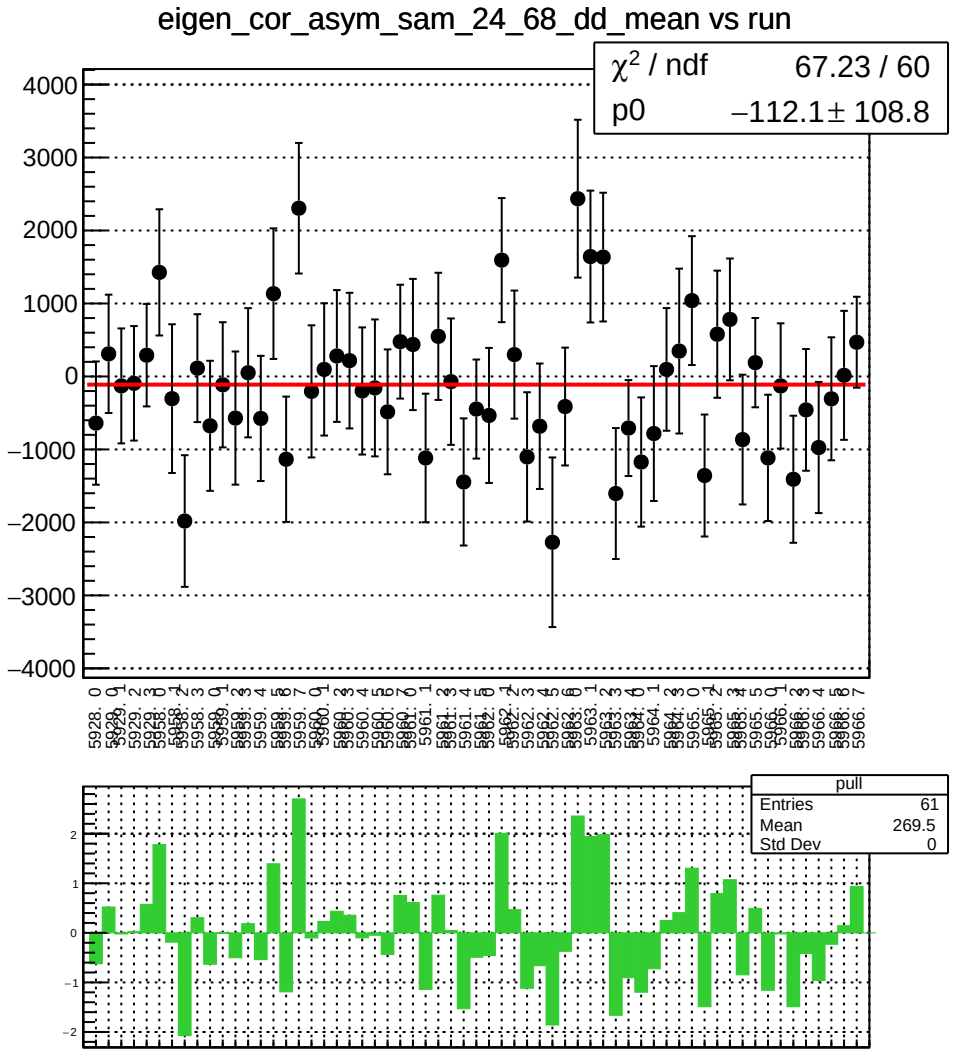

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 67.23 / 60
p0 −112.1± 108.8
pull
Entries 61
Mean 269.5
Std Dev 0
pull1D
Entries 61
Mean −0.006084
Std Dev 1.05

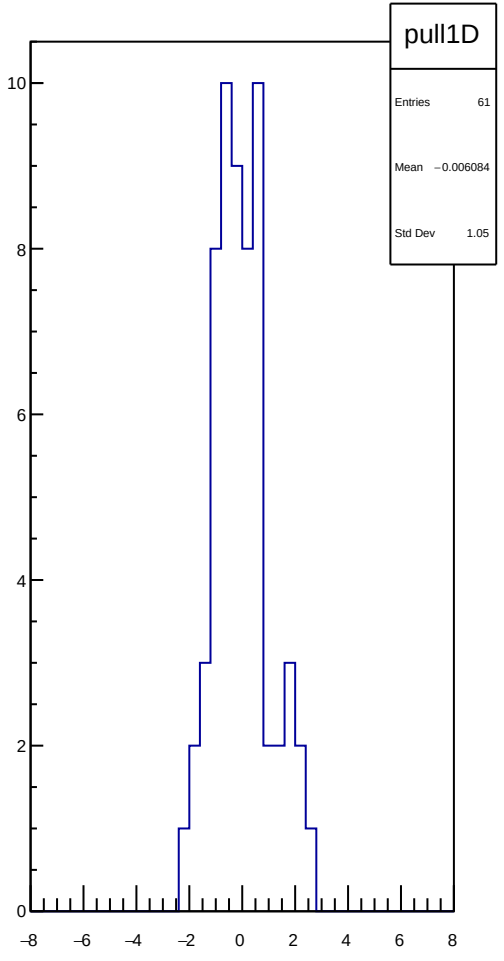

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 5541 / 60
p0 83.82 ± 0.07693
115
110
105
100
95
90
85
80
75
70

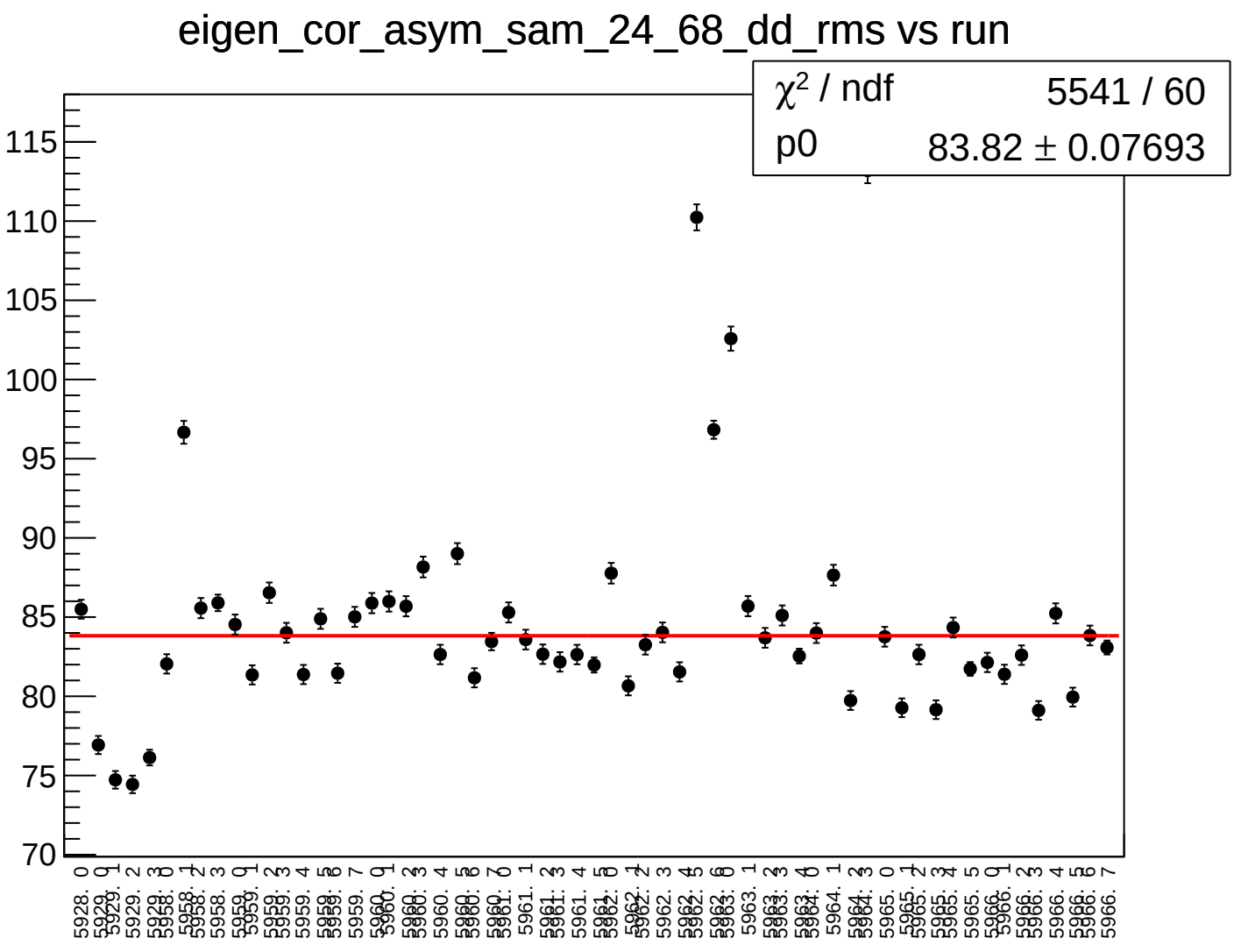

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 73.92 / 60
p0 −2509 ± 2523
pull
Entries 61
Mean 101.7
Std Dev 0

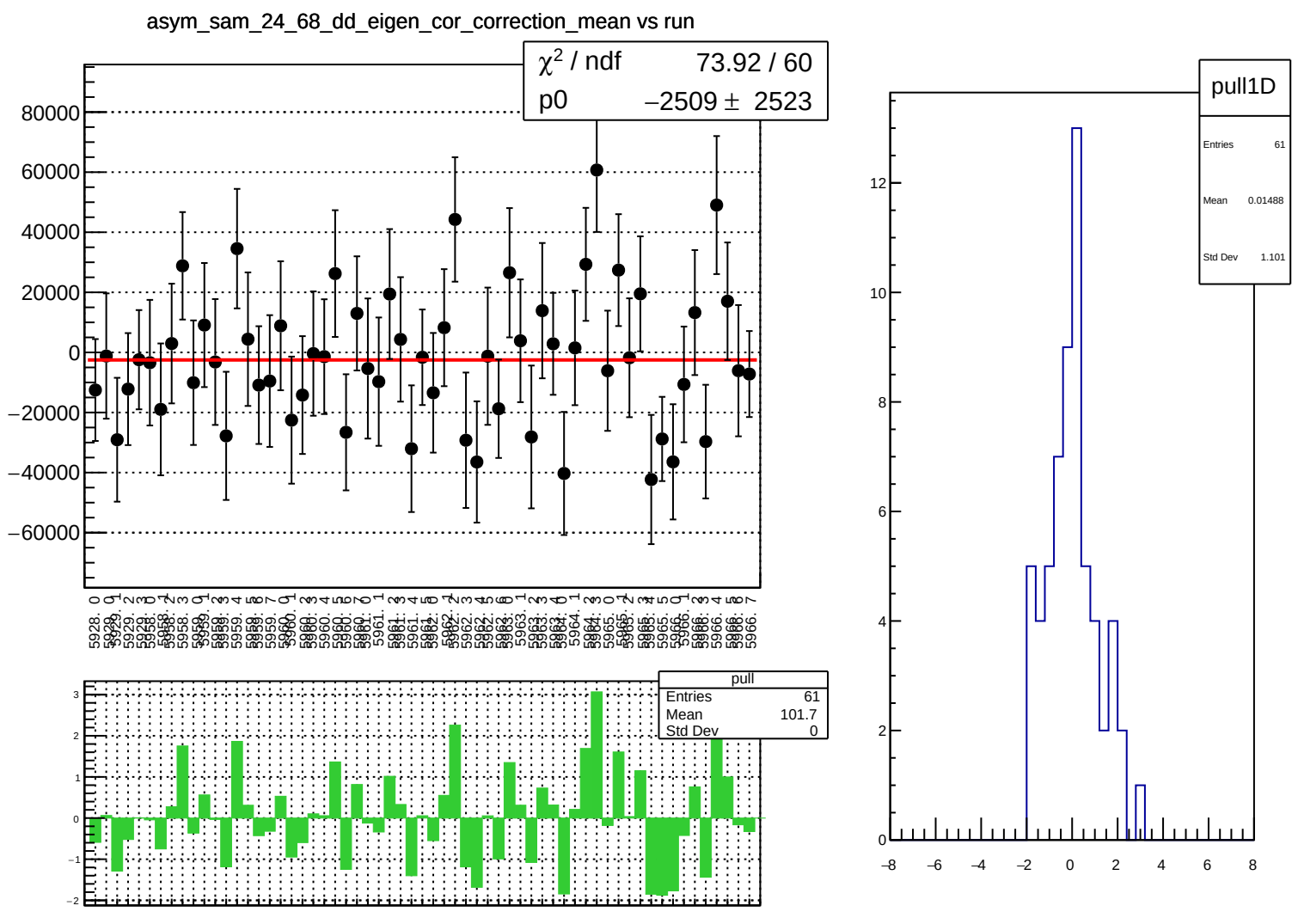

pull1D
Entries 61
Mean 0.01488
Std Dev 1.101

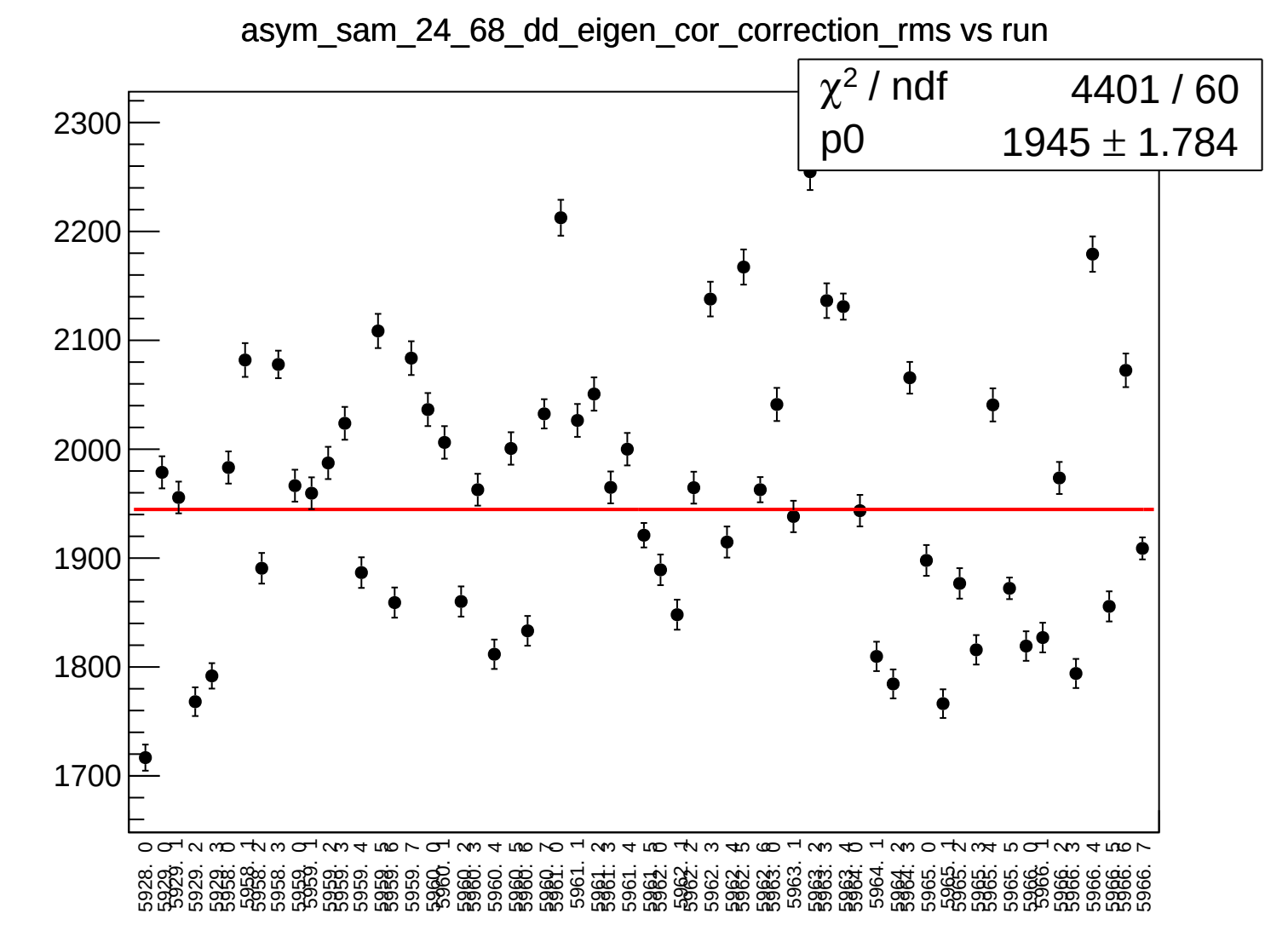

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 4401 / 60
p0 1945 ± 1.784
2300
2200
2100
2000
1900
1800
1700

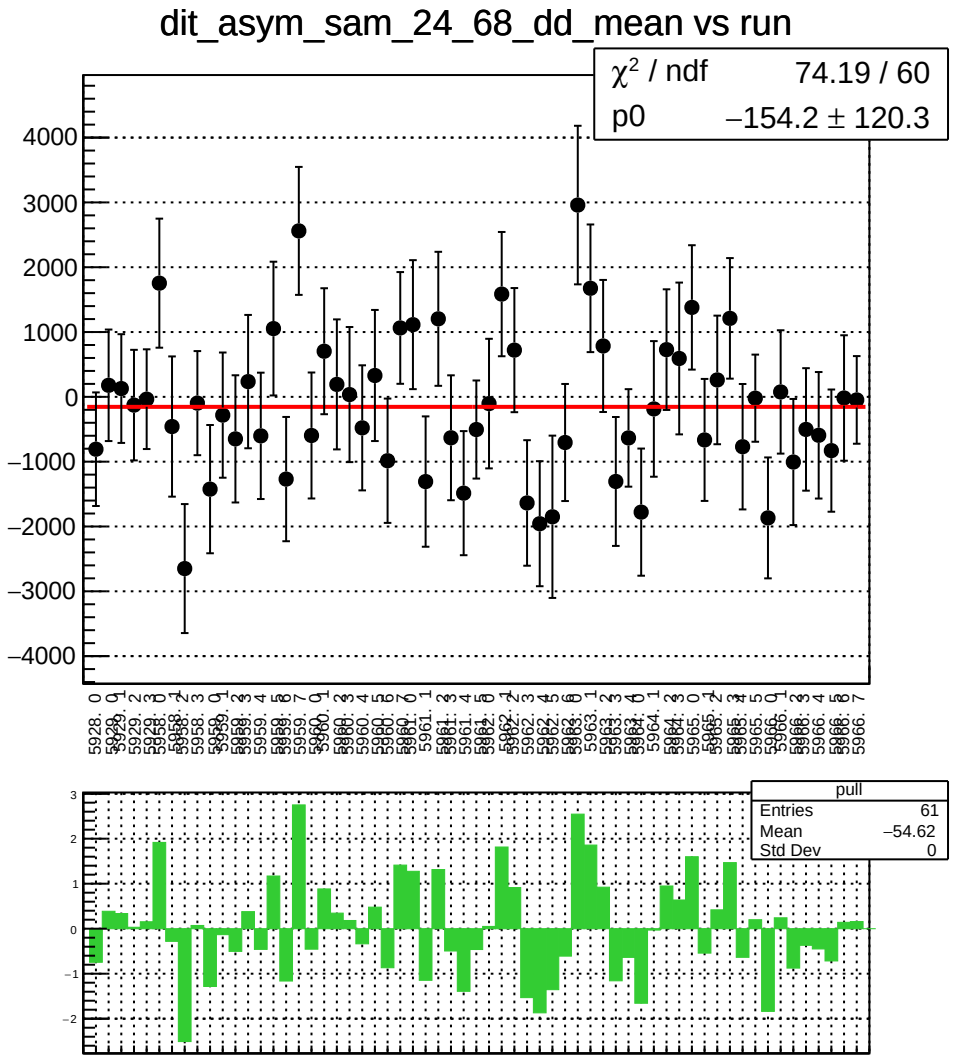

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 67.23 / 60
p0 −112.1± 108.8
pull
Entries 61
Mean 269.5
Std Dev 0

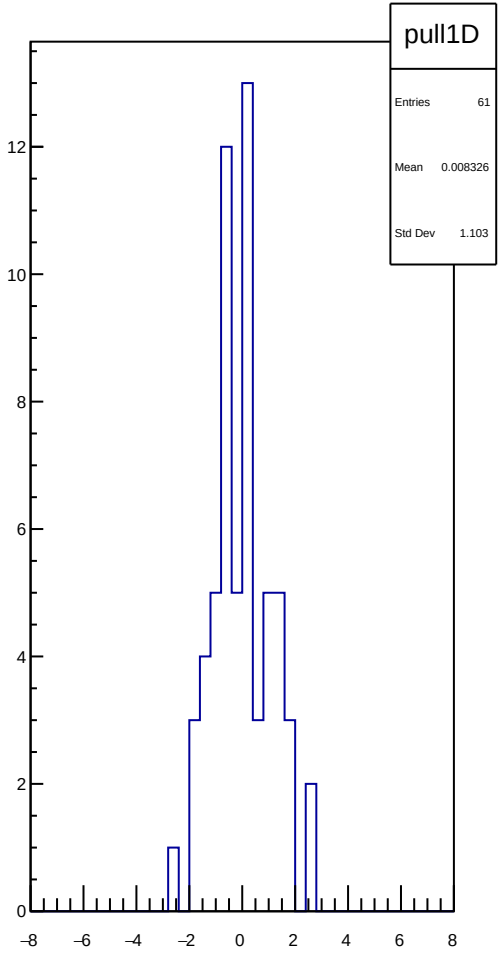

pull1D
Entries 61
Mean −0.006084
Std Dev 1.05

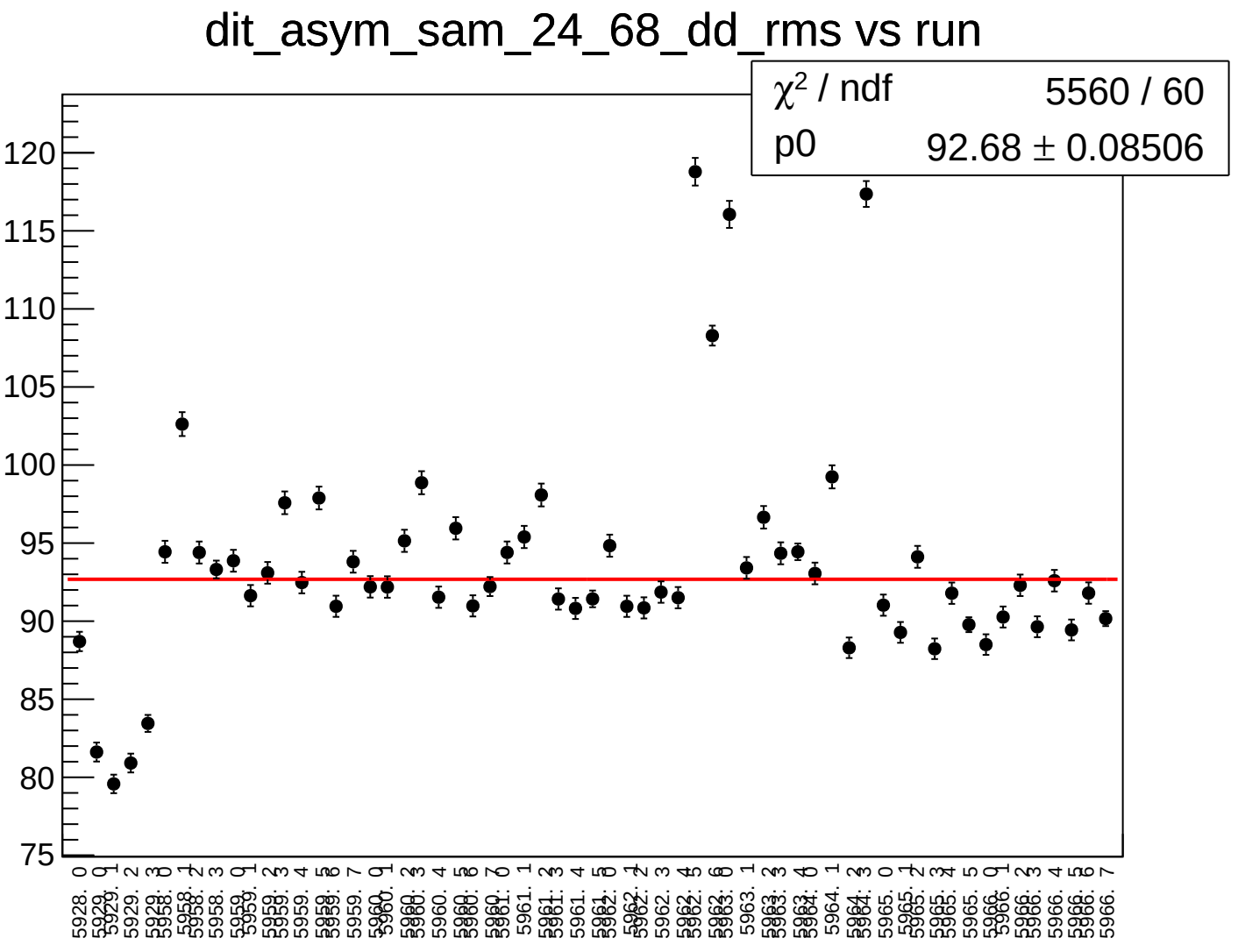

eigen_cor_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 5541 / 60
p0 83.82 ± 0.07693
115
110
105
100
95
90
85
80
75
70

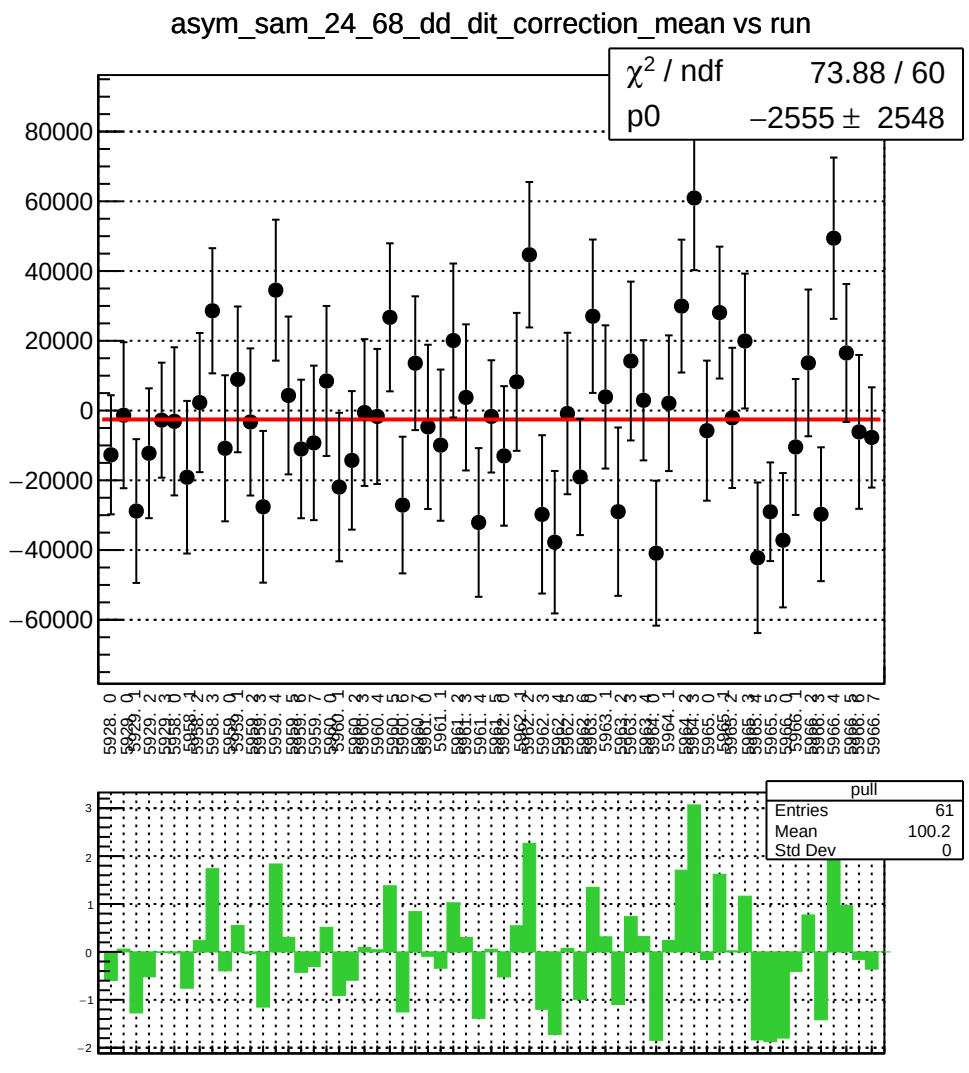

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.92 / 60
p0 −2509 ± 2523
pull
Entries 61
Mean 101.7
Std Dev 0
pull1D
Entries 61
Mean 0.01488
Std Dev 1.101

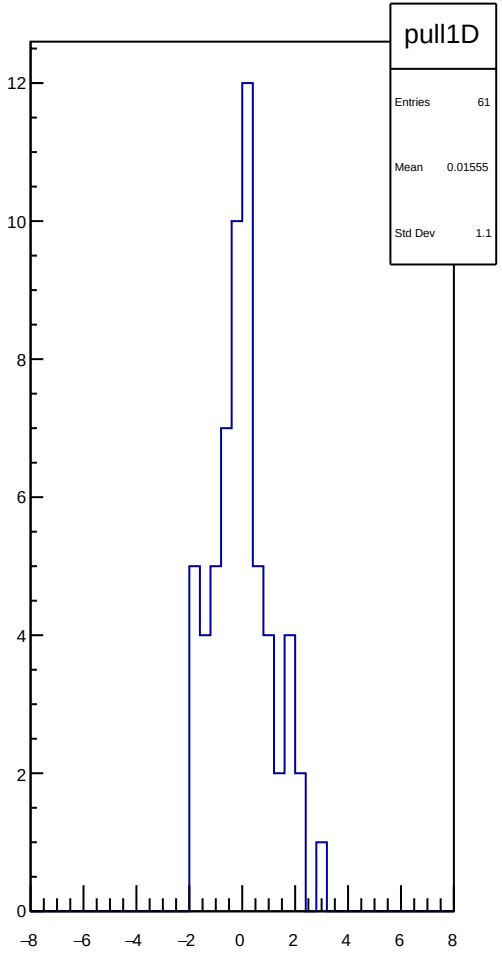

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 4401 / 60
p0 1945 ± 1.784
2300
2200
2100
2000
1900
1800
1700

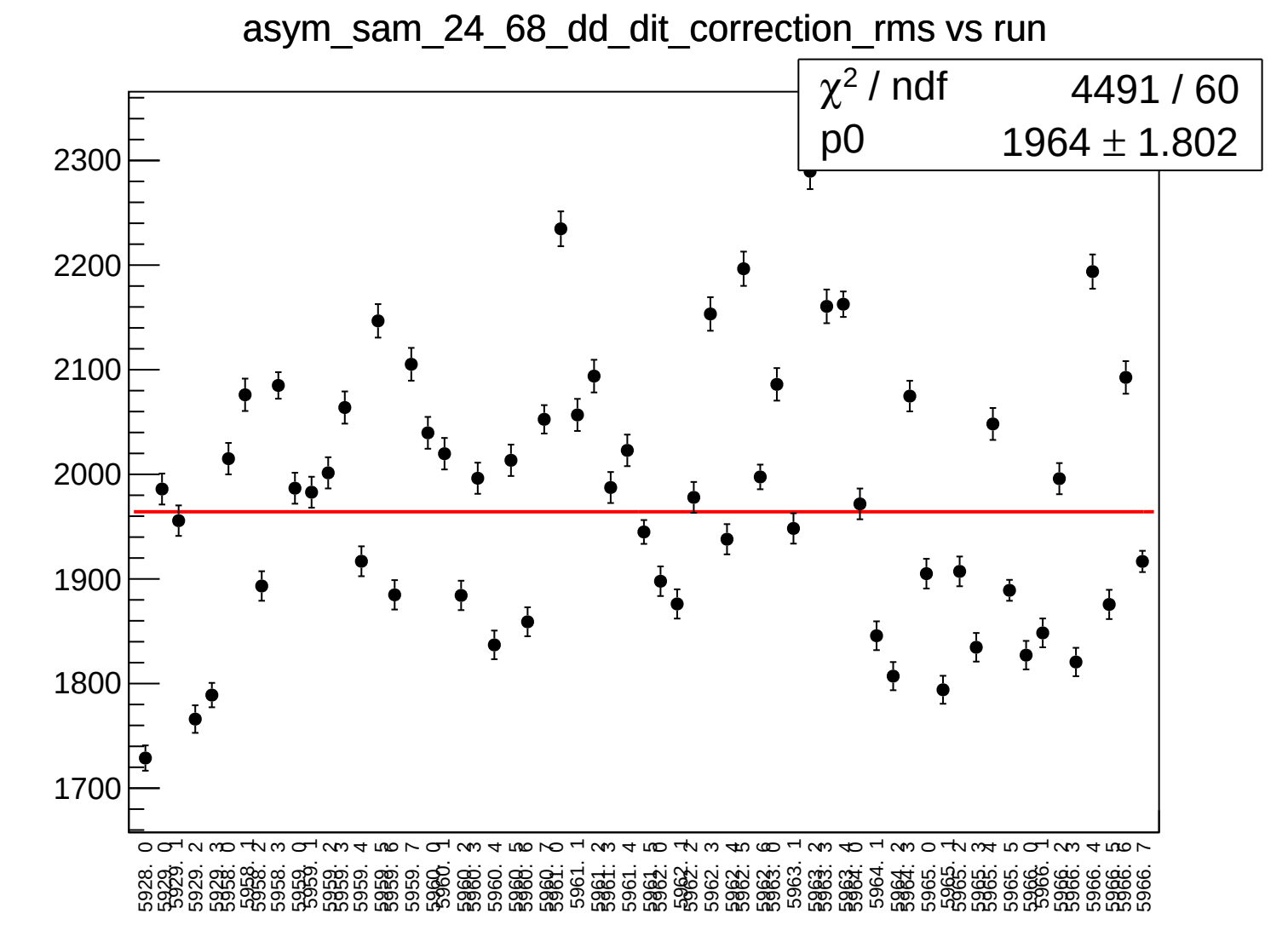

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.19 / 60
p0 −154.2 ± 120.3
pull
Entries 61
Mean −54.62
Std Dev 0

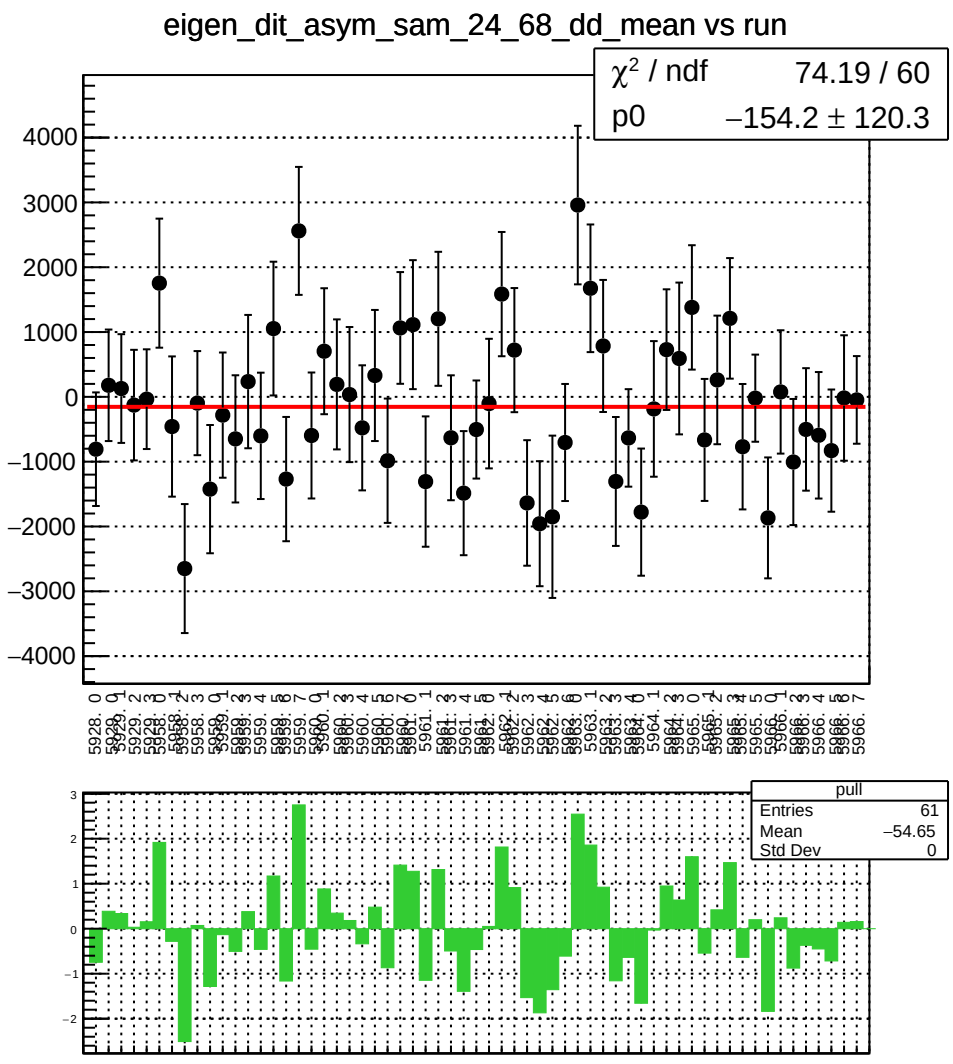

pull1D
Entries 61
Mean 0.008326
Std Dev 1.103

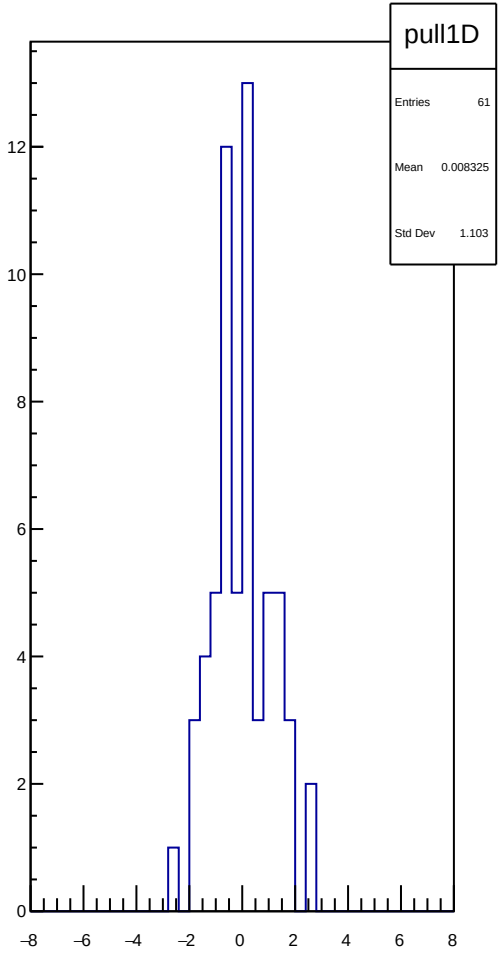

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5560 / 60
p0 92.68 ± 0.08506
120
115
110
105
100
95
90
85
80
75

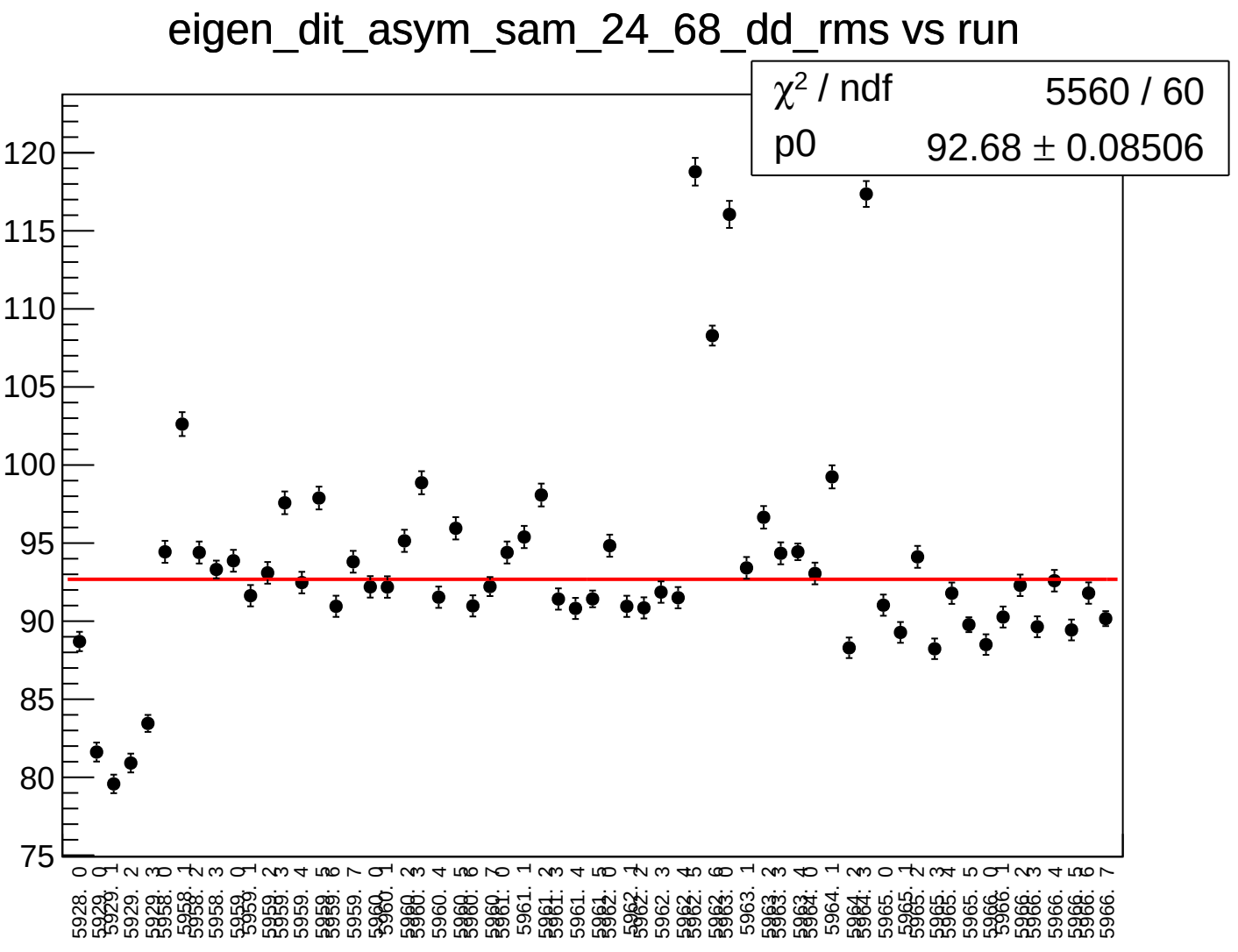

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 73.88 / 60
p0 −2555 ± 2548
pull
Entries 61
Mean 100.2
Std Dev 0

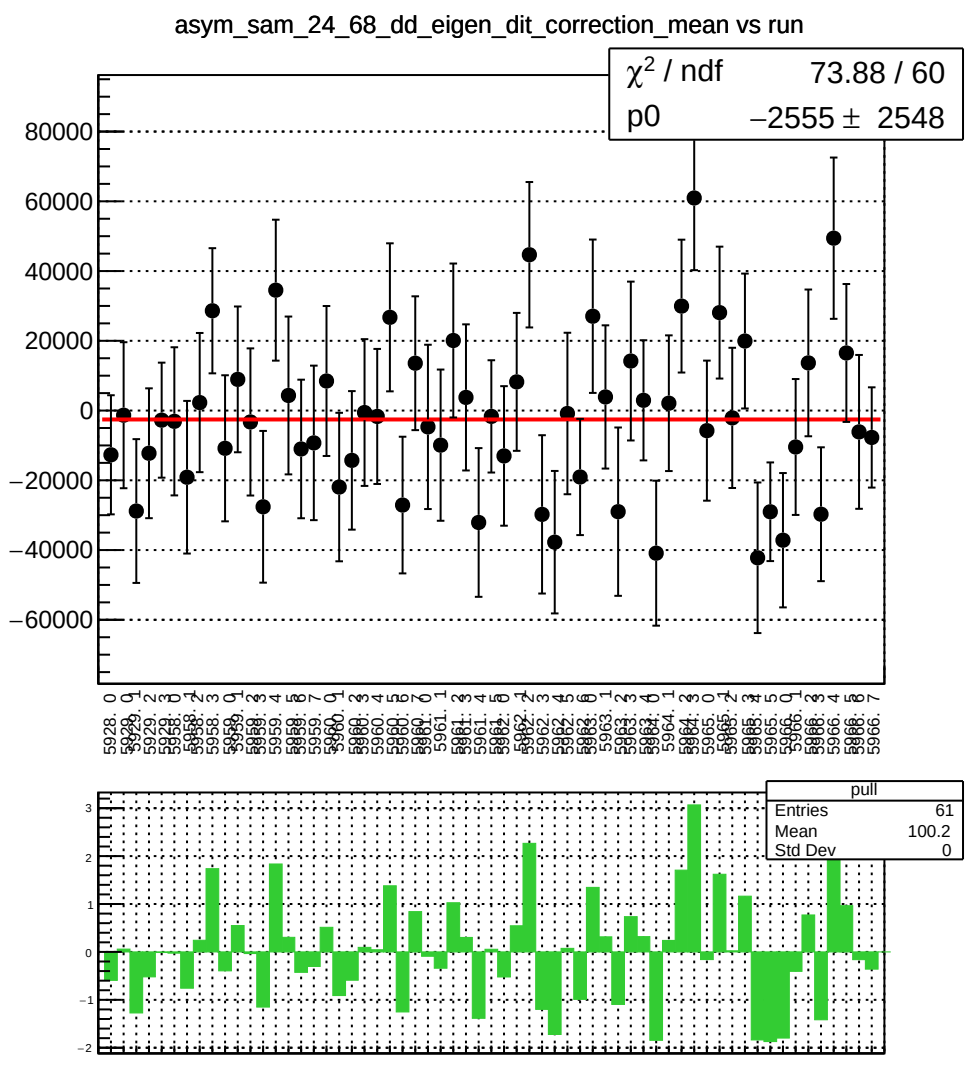

pull1D
Entries 61
Mean 0.01555
Std Dev 1.1

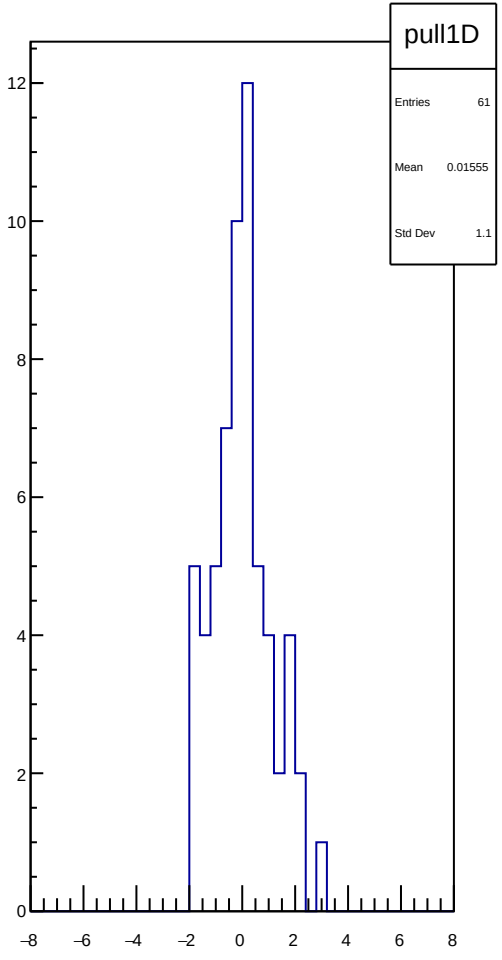

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 4491 / 60
p0 1964 ± 1.802
2300
2200
2100
2000
1900
1800
1700

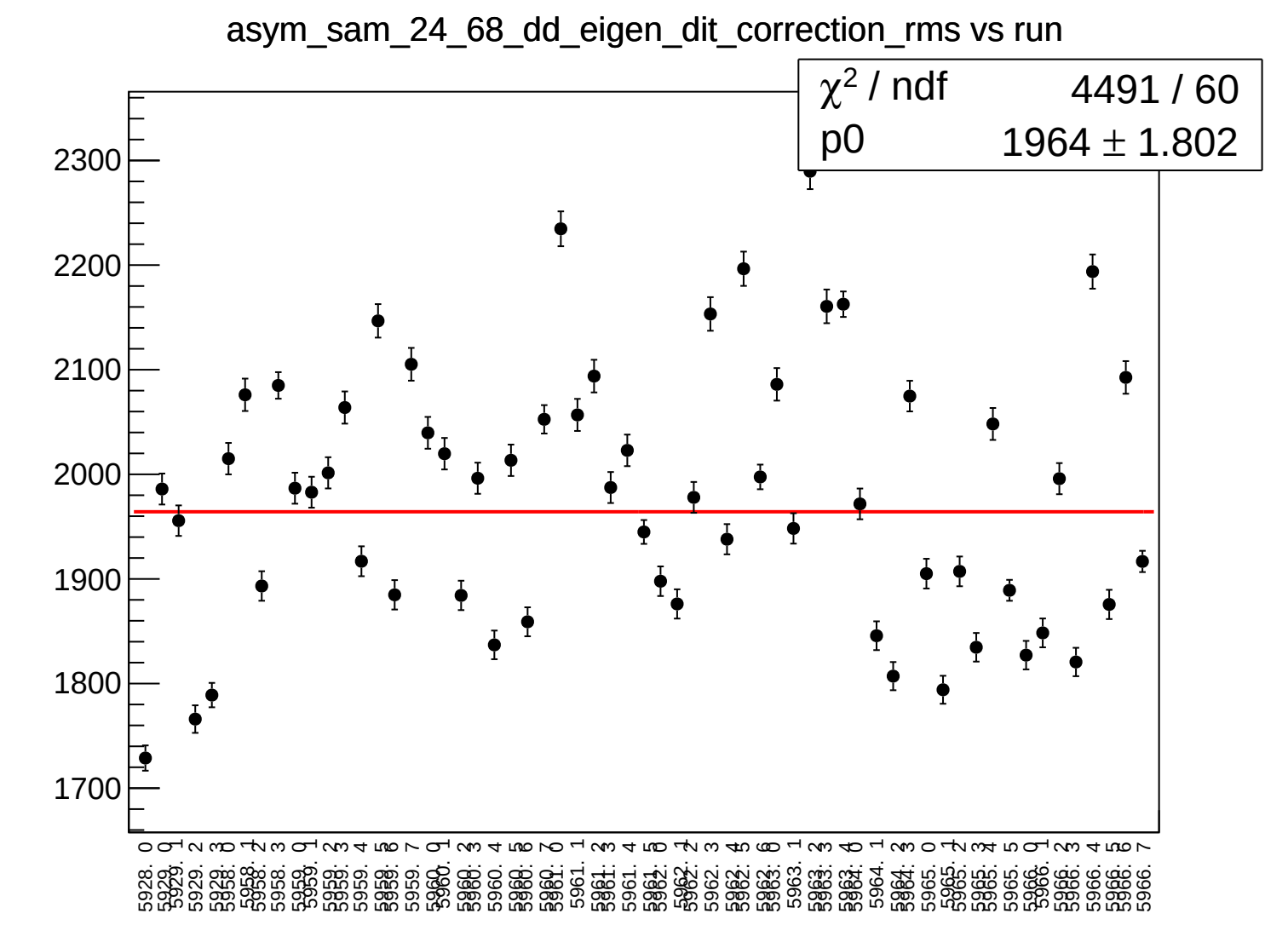

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.19 / 60
p0 −154.2 ± 120.3
pull
Entries 61
Mean −54.65
Std Dev 0

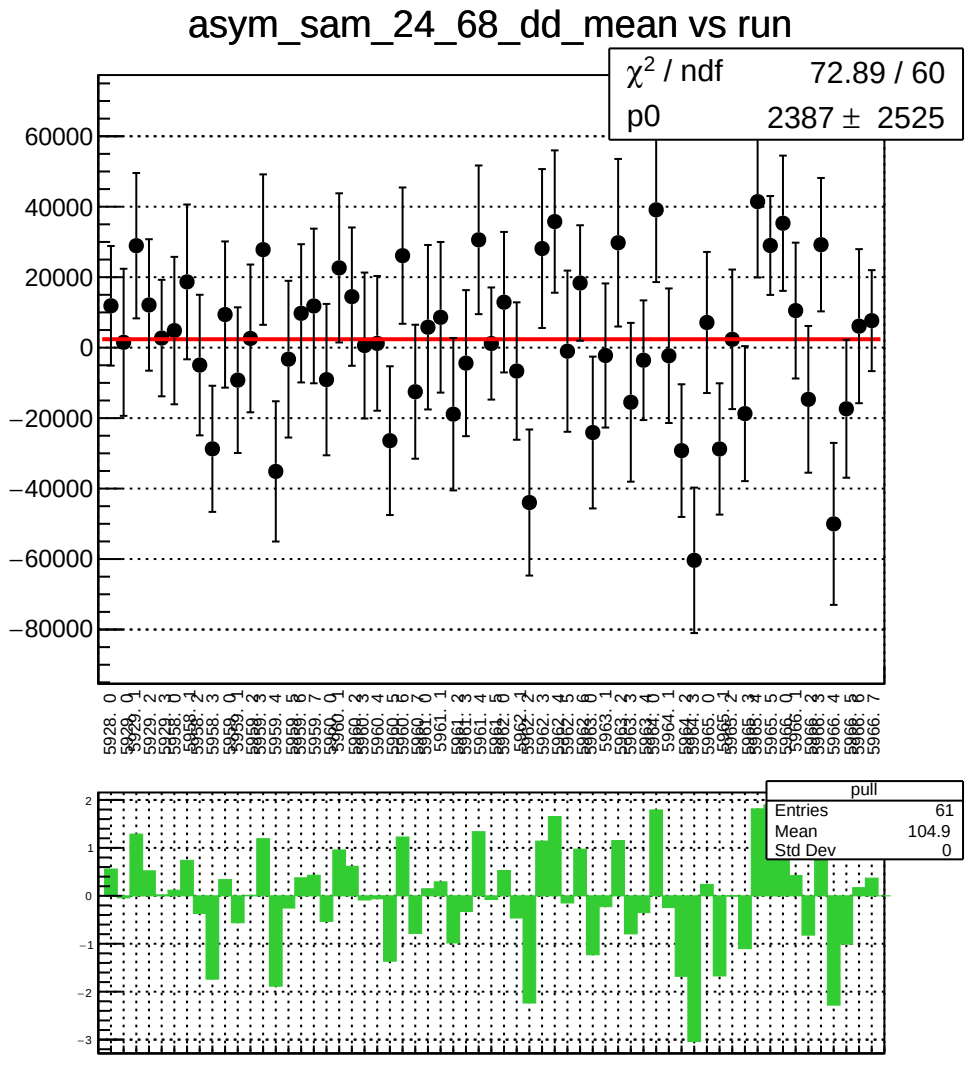

pull1D
Entries 61
Mean 0.008325
Std Dev 1.103

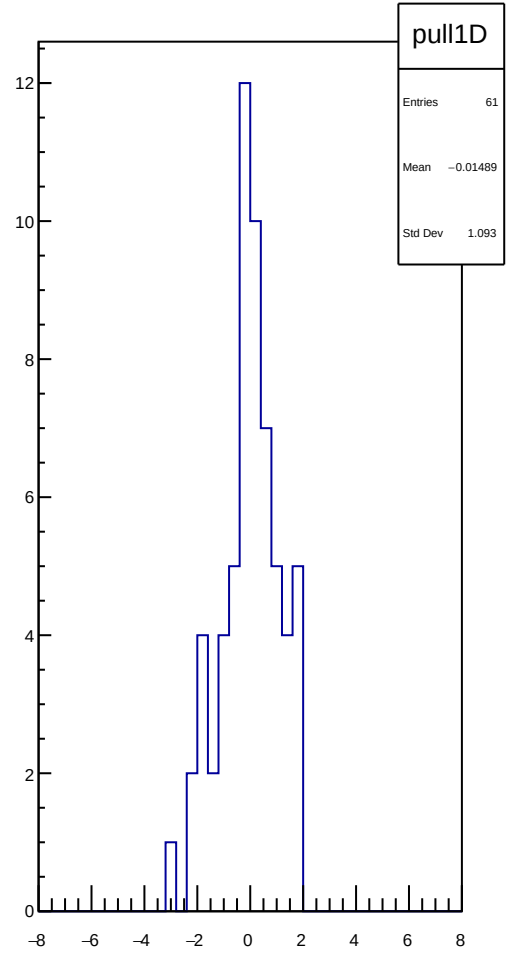

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5560 / 60
p0 92.68 ± 0.08506
120
115
110
105
100
95
90
85
80
75

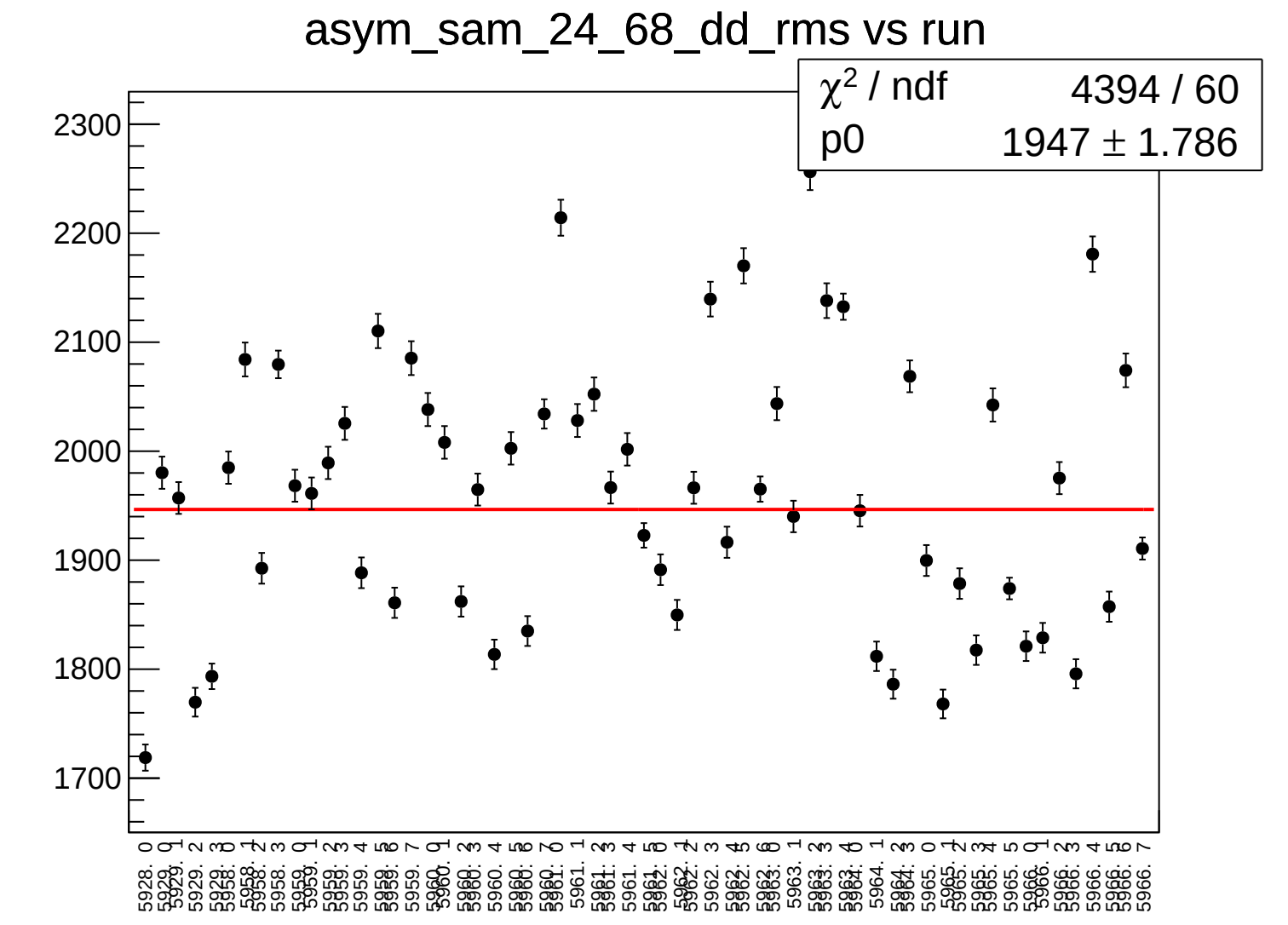

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 73.88 / 60
p0 −2555 ± 2548
pull
Entries 61
Mean 100.2
Std Dev 0

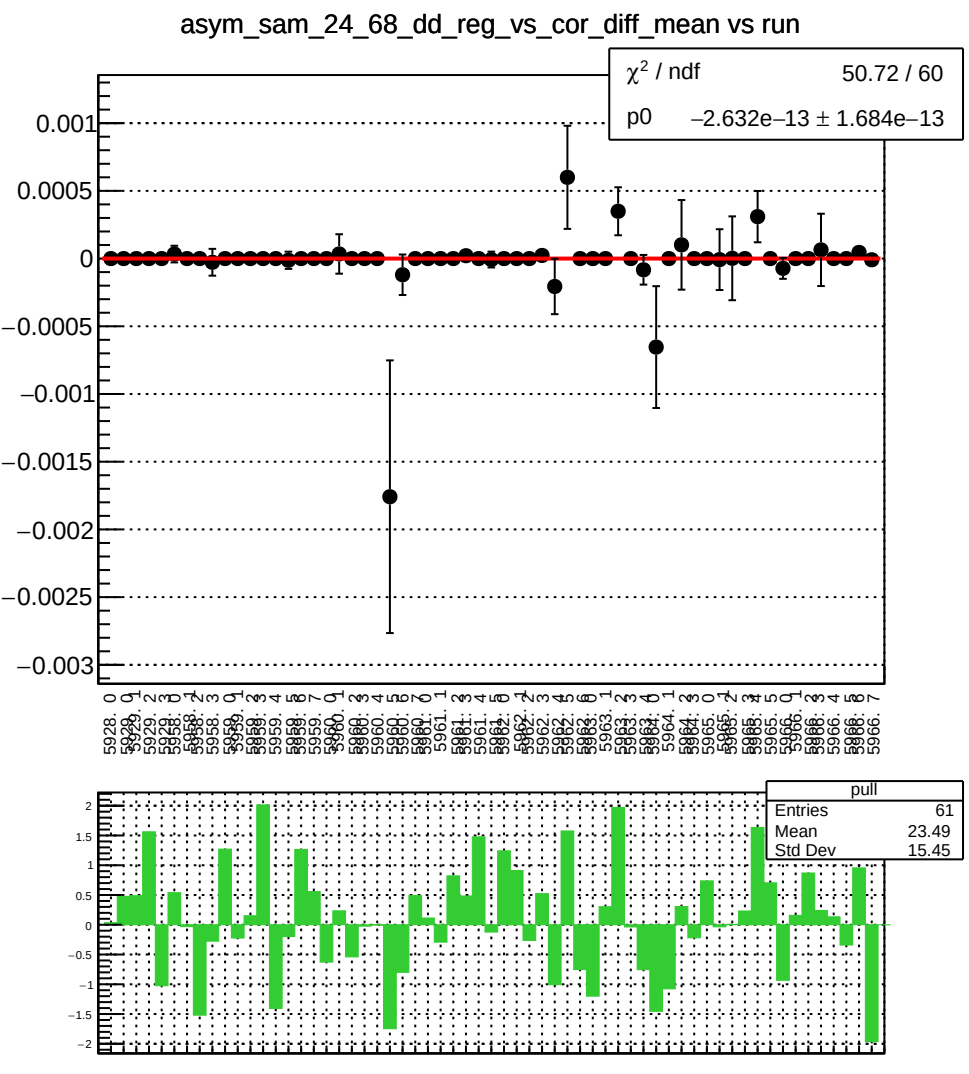

pull1D
Entries 61
Mean 0.01555
Std Dev 1.1

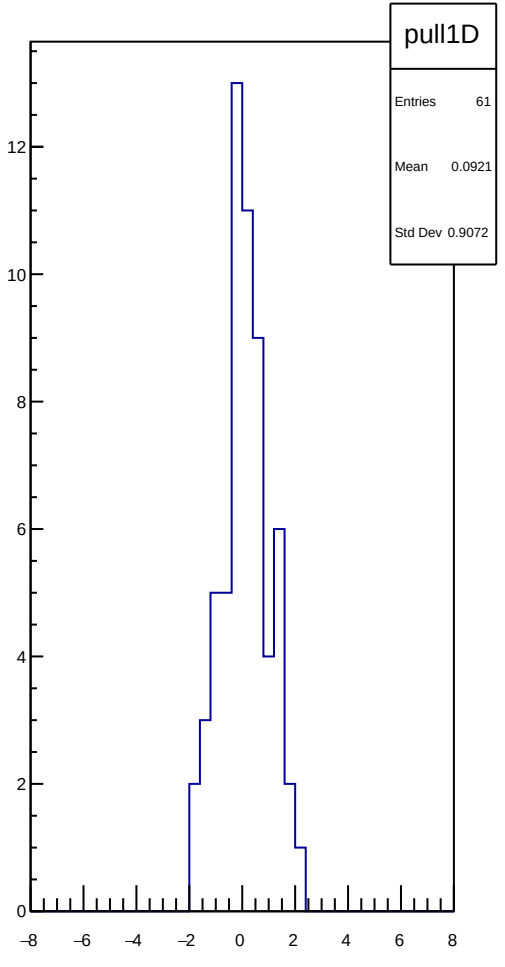

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 4491 / 60
p0 1964 ± 1.802
2300
2200
2100
2000
1900
1800
1700

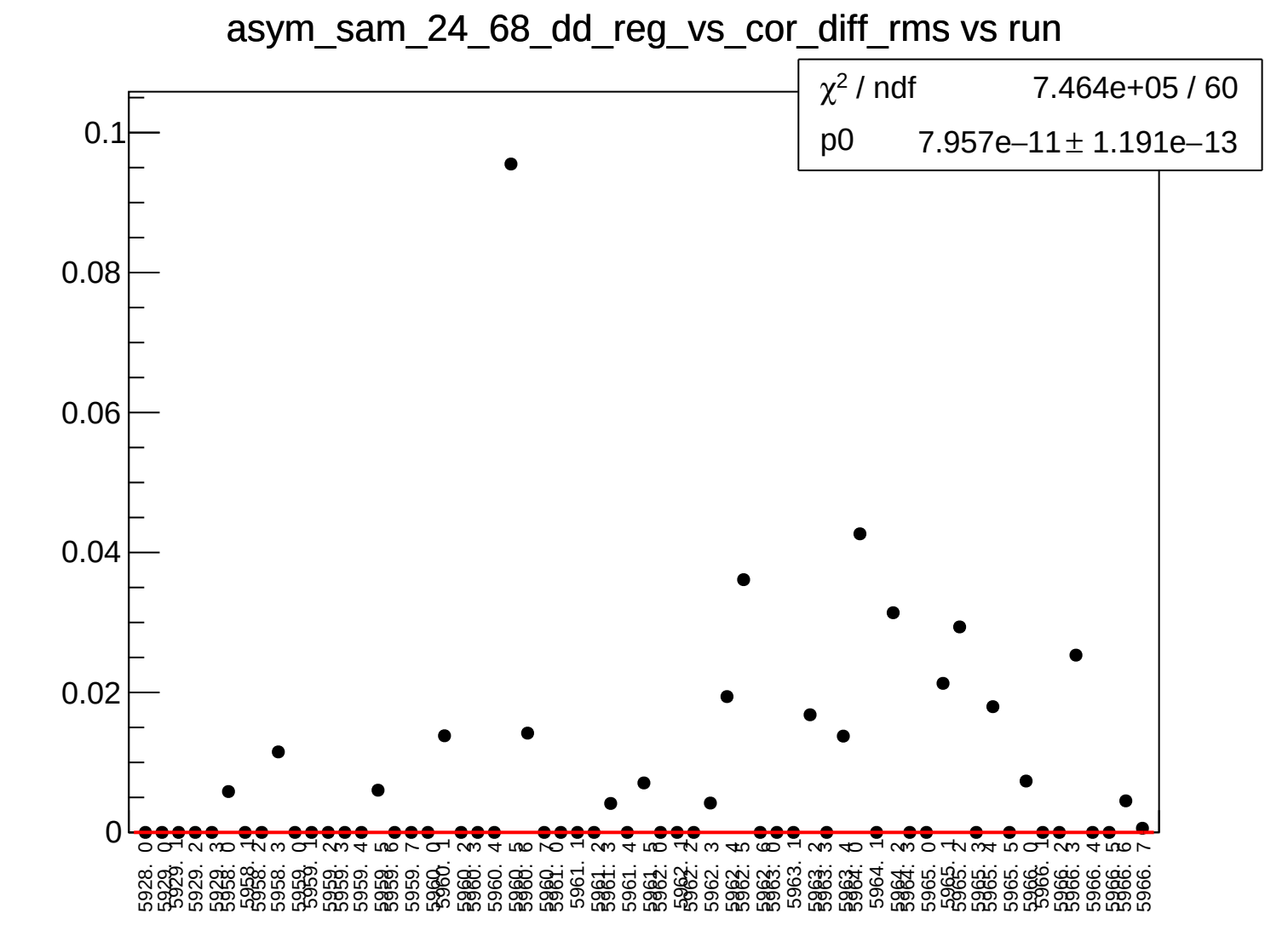

asym_sam_24_68_dd_mean vs run
χ² / ndf 72.89 / 60
p0 2387 ± 2525
pull
Entries 61
Mean 104.9
Std Dev 0

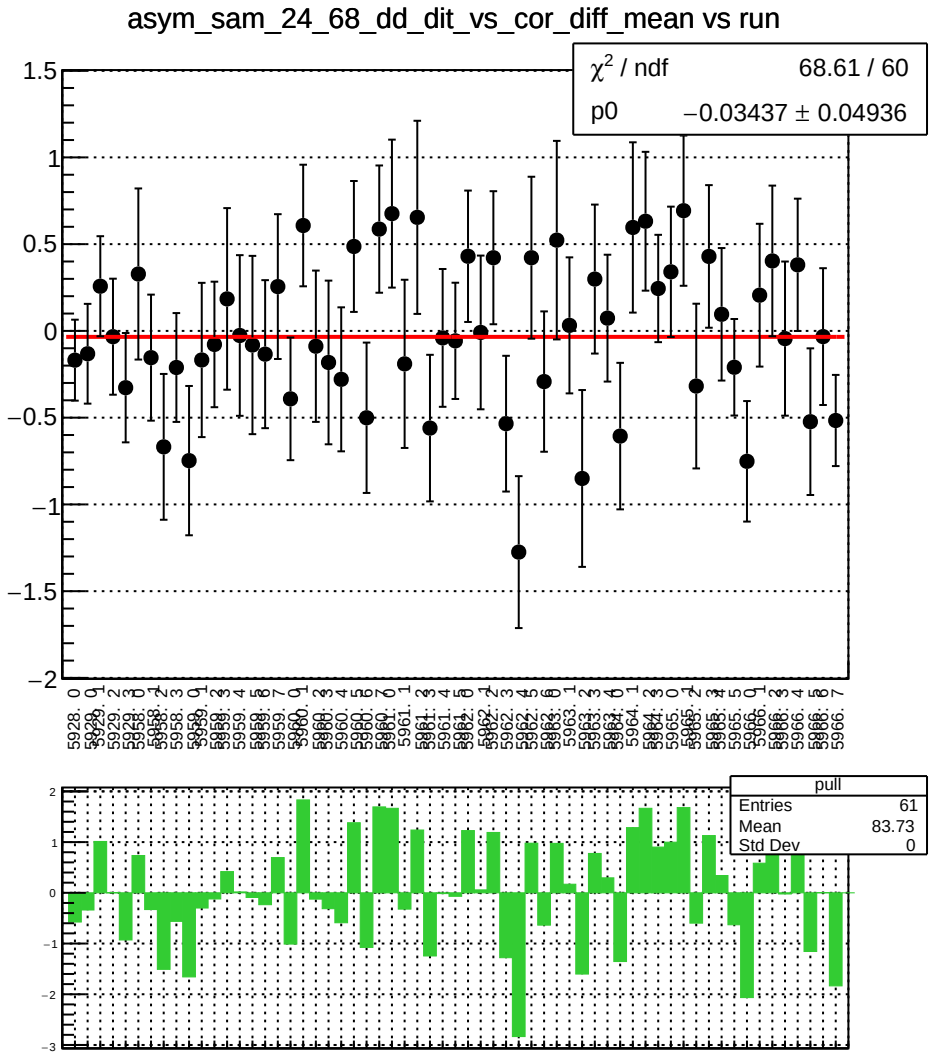

pull1D
Entries 61
Mean −0.01489
Std Dev 1.093

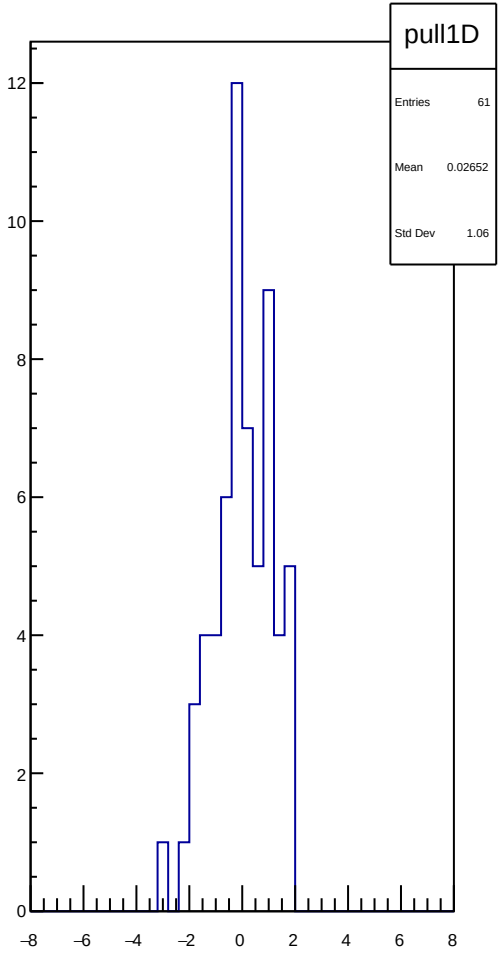

asym_sam_24_68_dd_rms vs run
χ² / ndf 4394 / 60
p0 1947 ± 1.786
2300
2200
2100
2000
1900
1800
1700

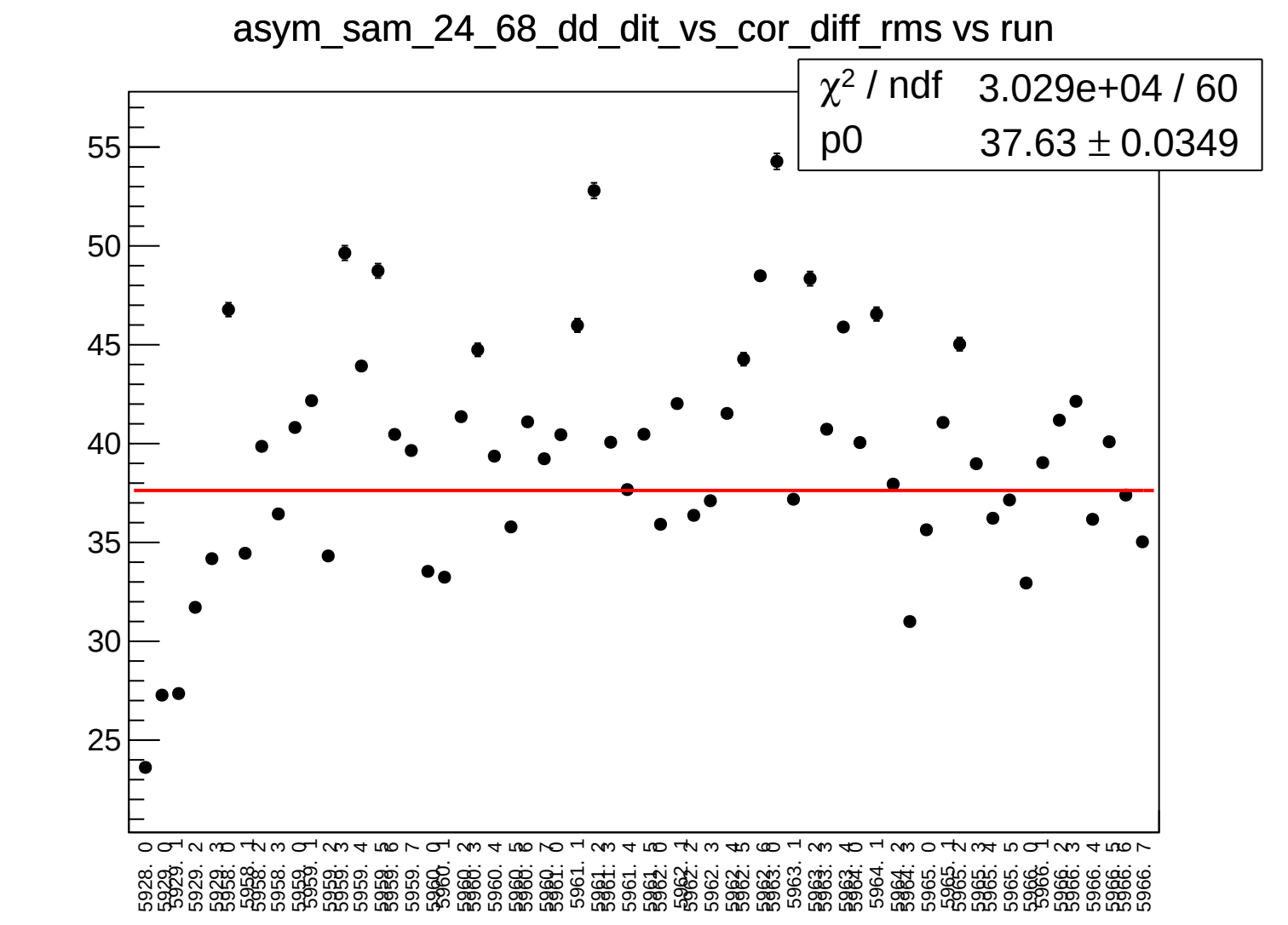

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.72 / 60
p0 −2.632e−13 ± 1.684e−13
pull
Entries 61
Mean 23.49
Std Dev 15.45

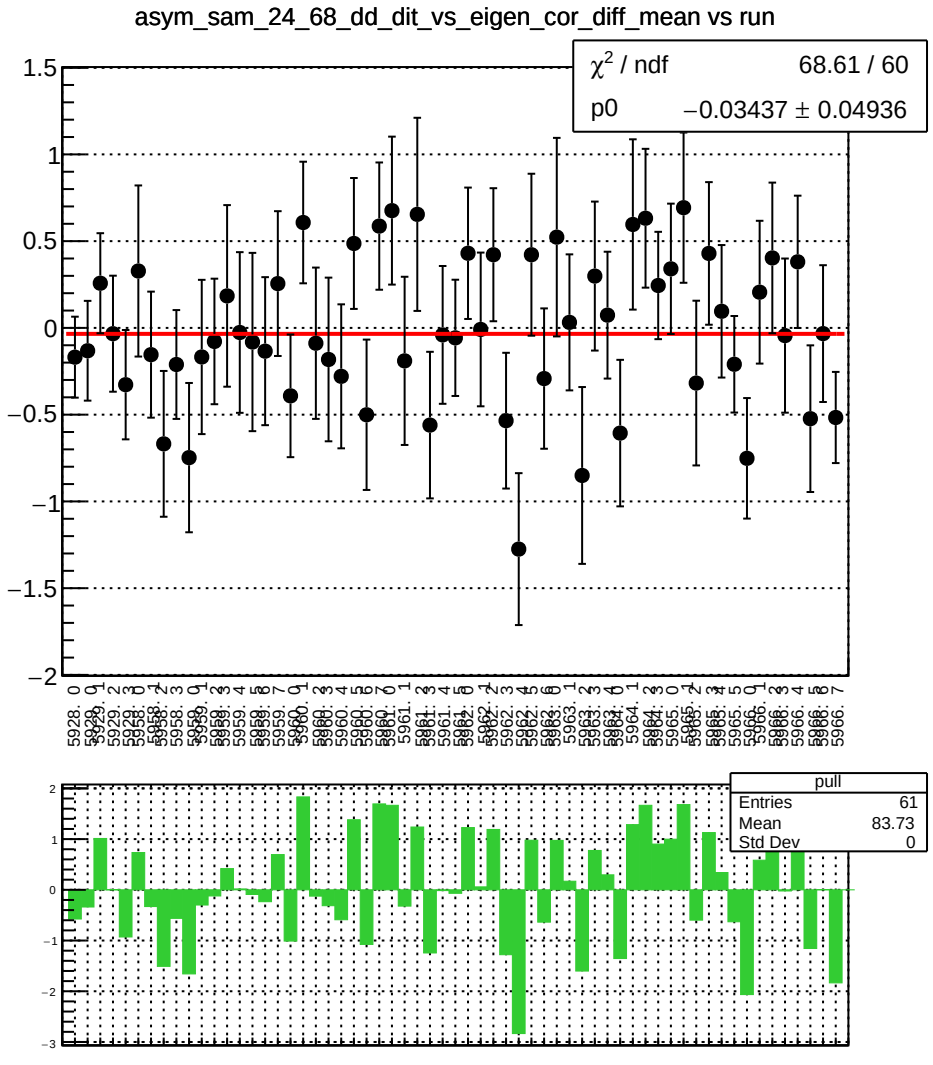

pull1D
Entries 61
Mean 0.0921
Std Dev 0.9072

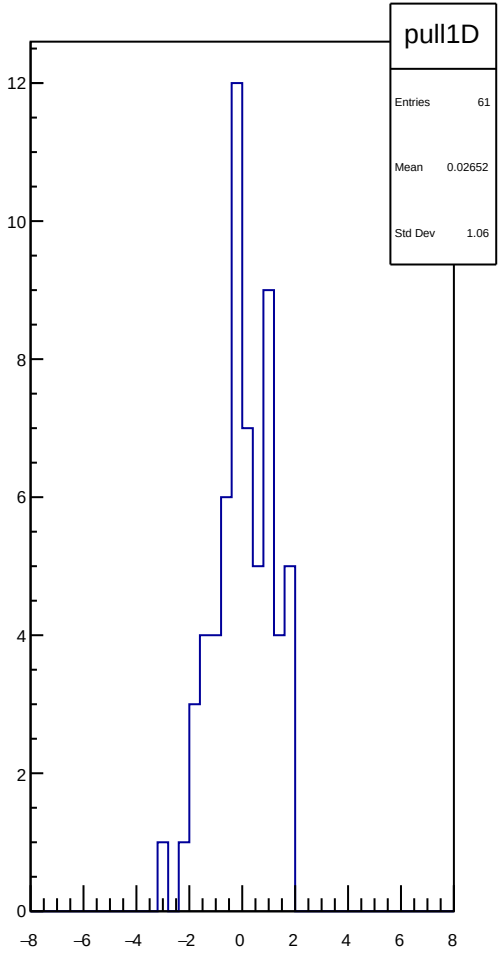

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.464e+05 / 60
p0 7.957e−11 ± 1.191e−13
0.1
0.08
0.06
0.04
0.02
0

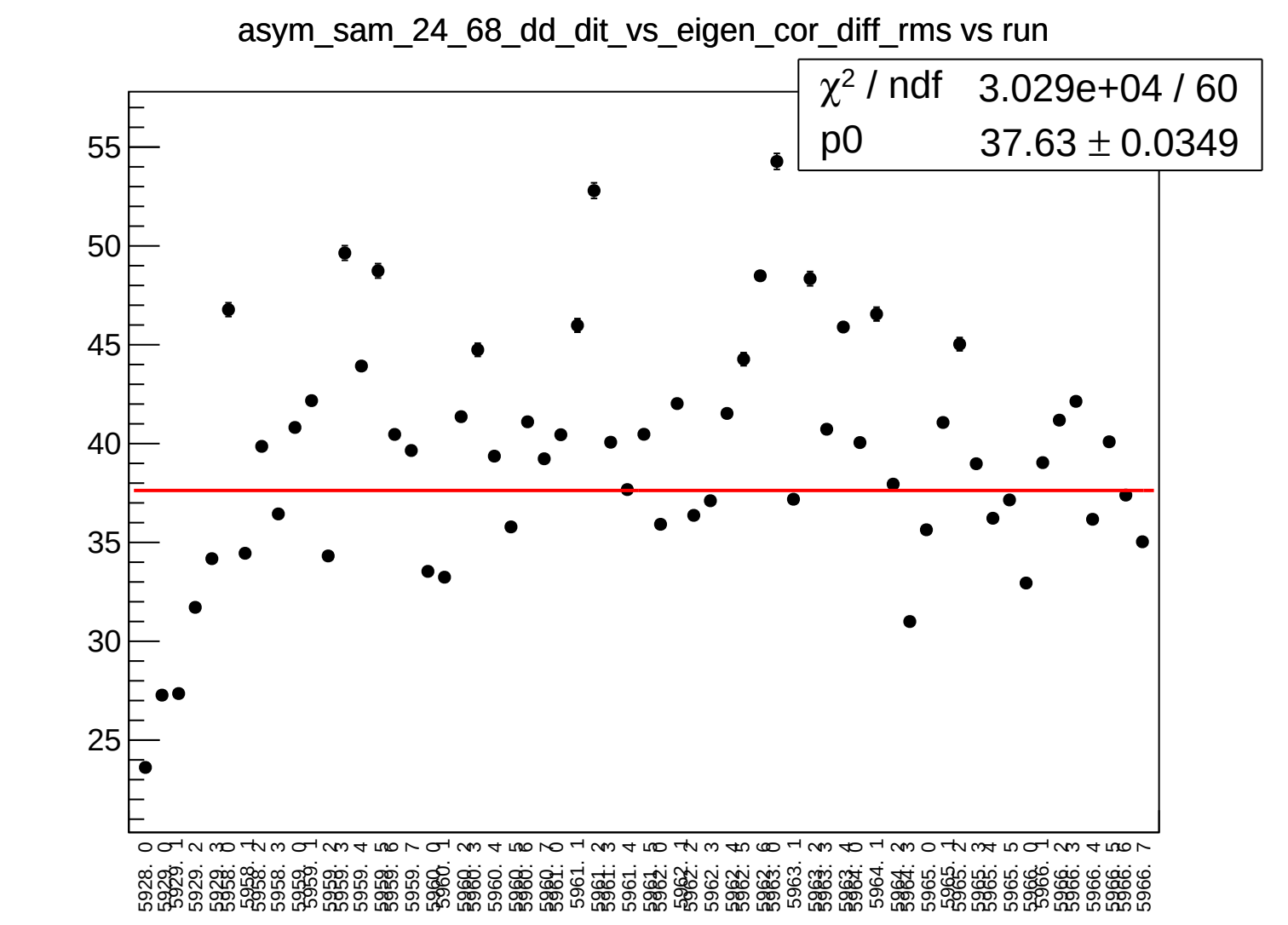

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.61 / 60
p0 −0.03437 ± 0.04936
pull
Entries 61
Mean 83.73
Std Dev 0

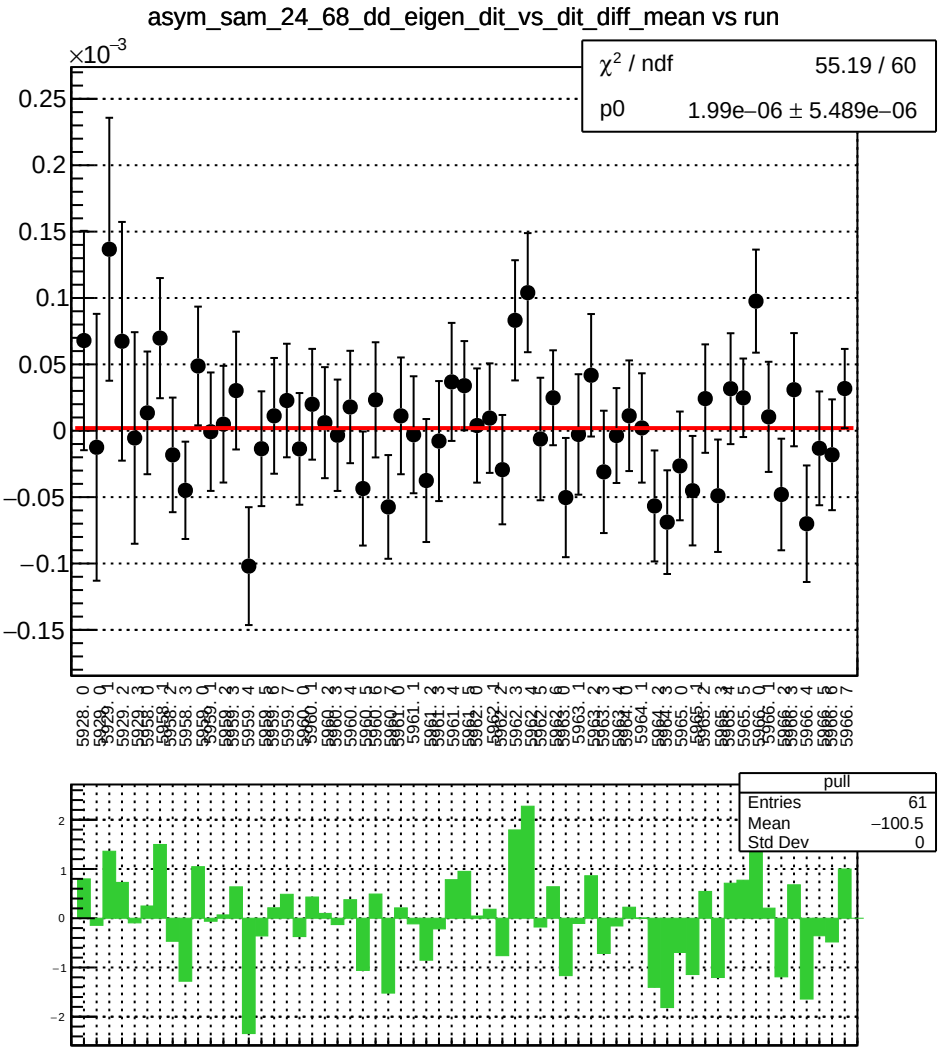

pull1D
Entries 61
Mean 0.02652
Std Dev 1.06

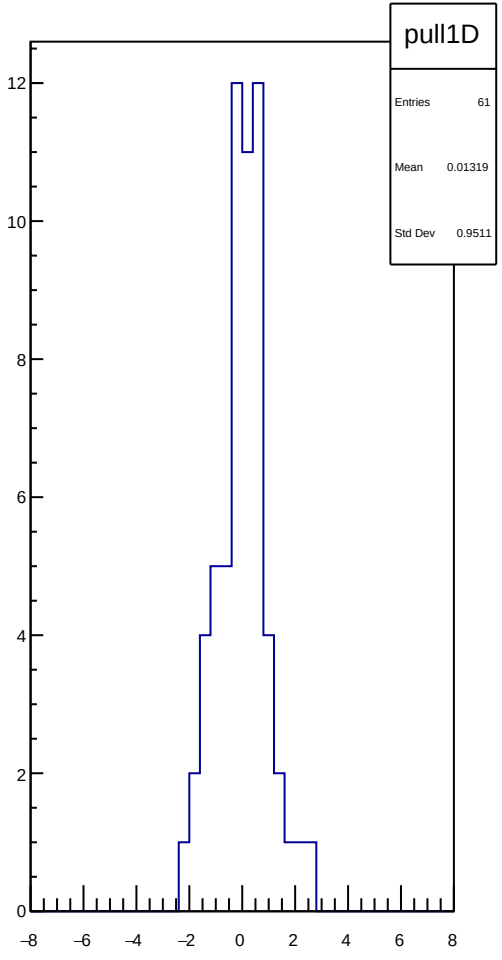

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 60
p0 37.63 ± 0.0349
55
50
45
40
35
30
25

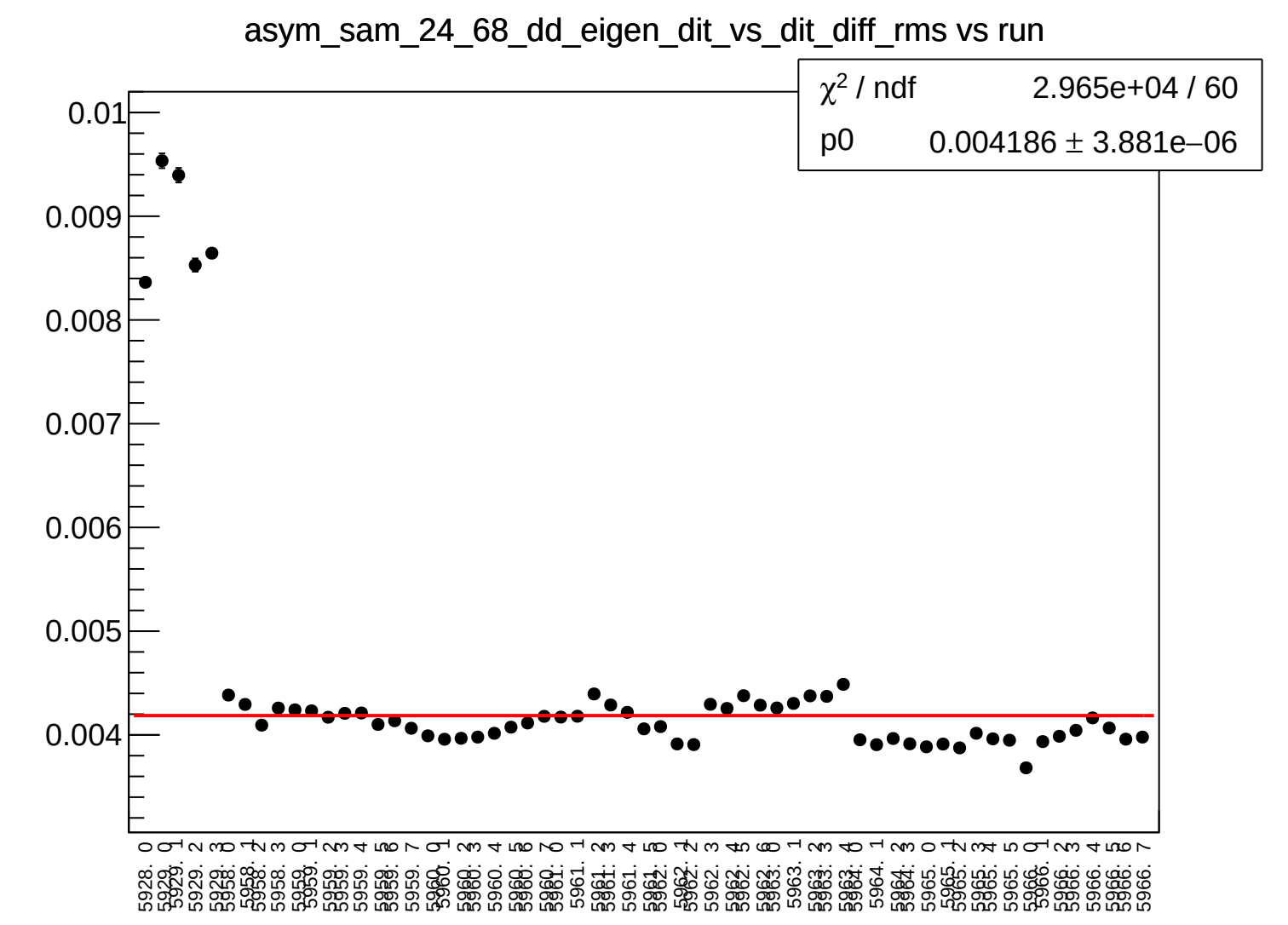

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.61 / 60
p0 −0.03437 ± 0.04936
pull
Entries 61
Mean 83.73
Std Dev 0

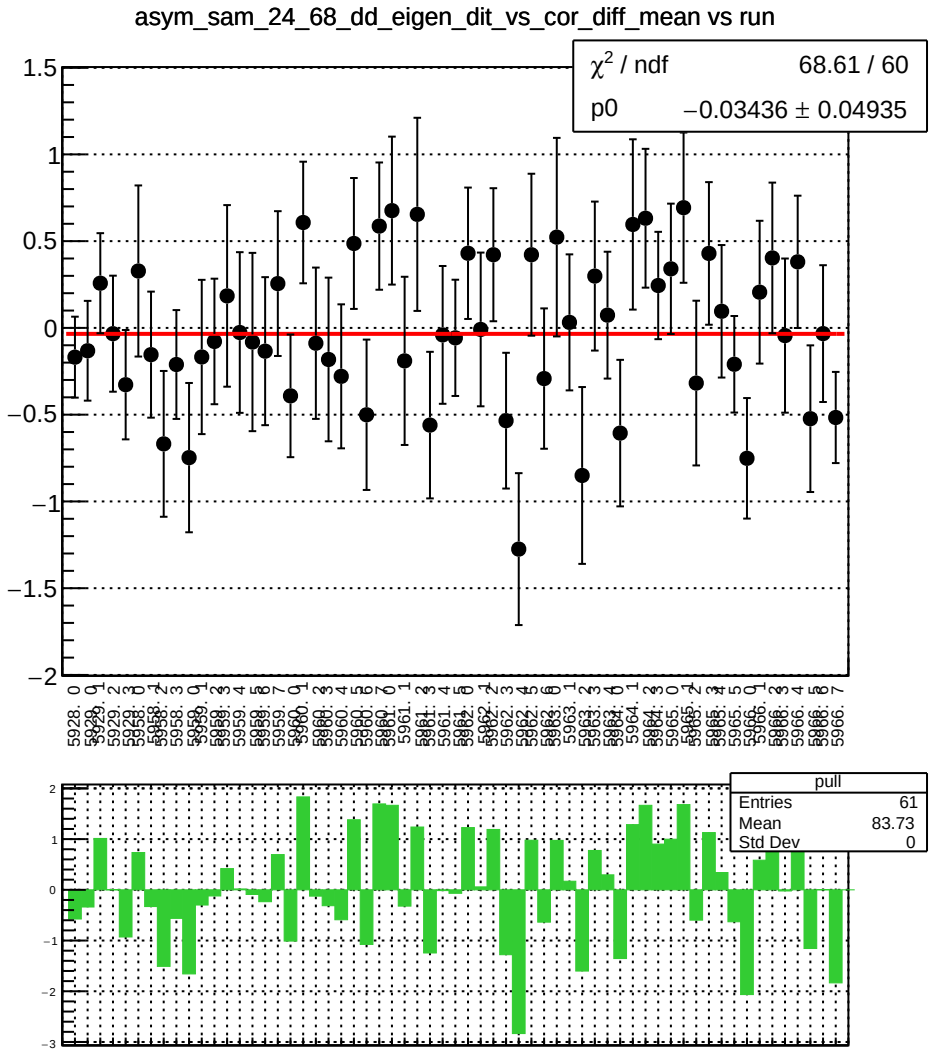

pull1D
Entries 61
Mean 0.02652
Std Dev 1.06

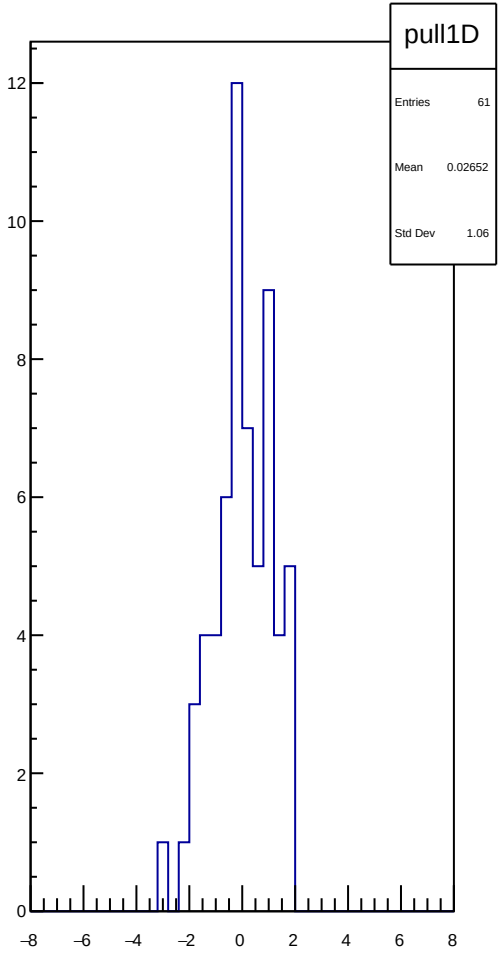

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 60
p0 37.63 ± 0.0349
55
50
45
40
35
30
25

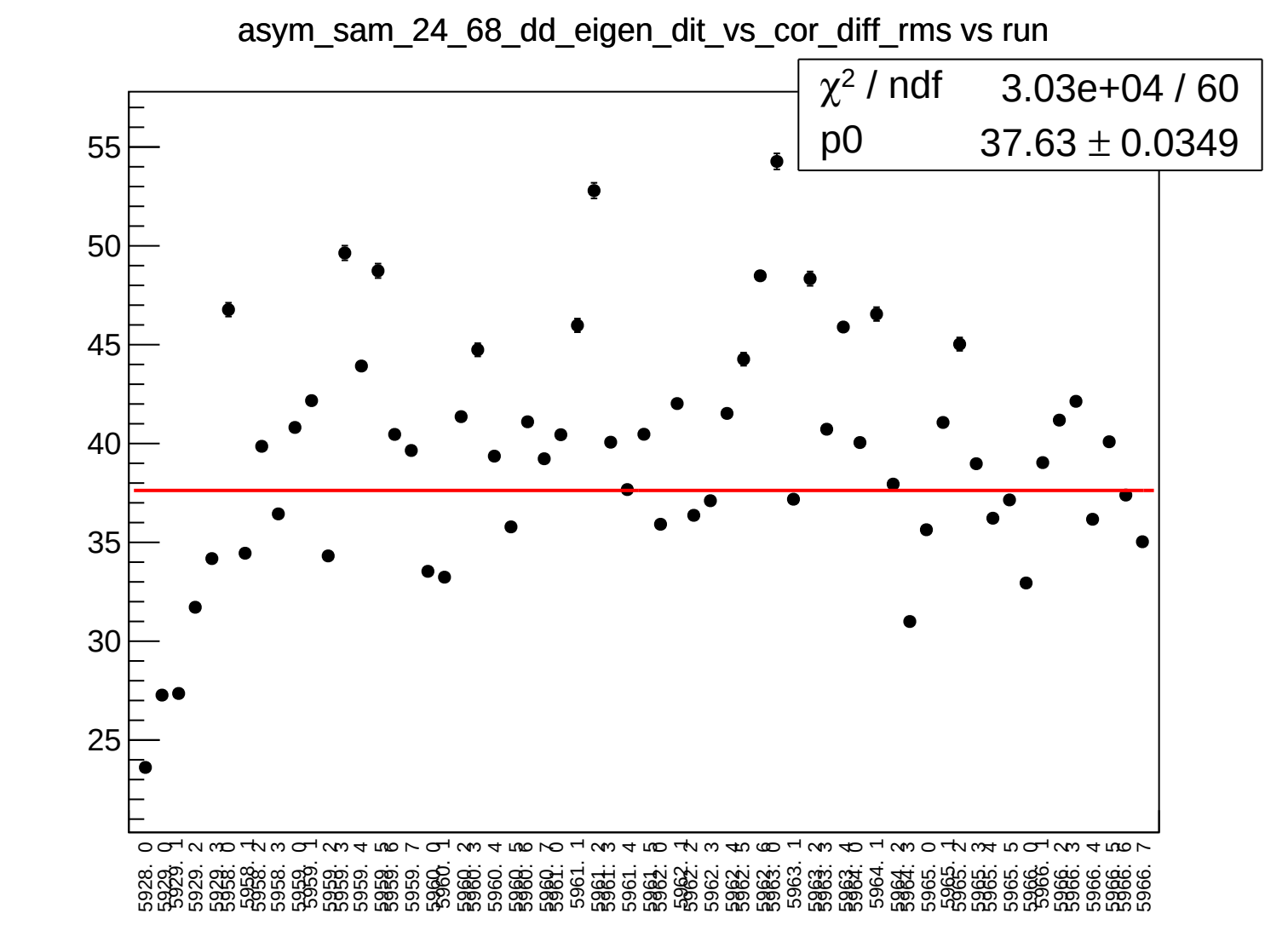

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.19 / 60
p0 1.99e−06 ± 5.489e−06
pull
Entries 61
Mean −100.5
Std Dev 0

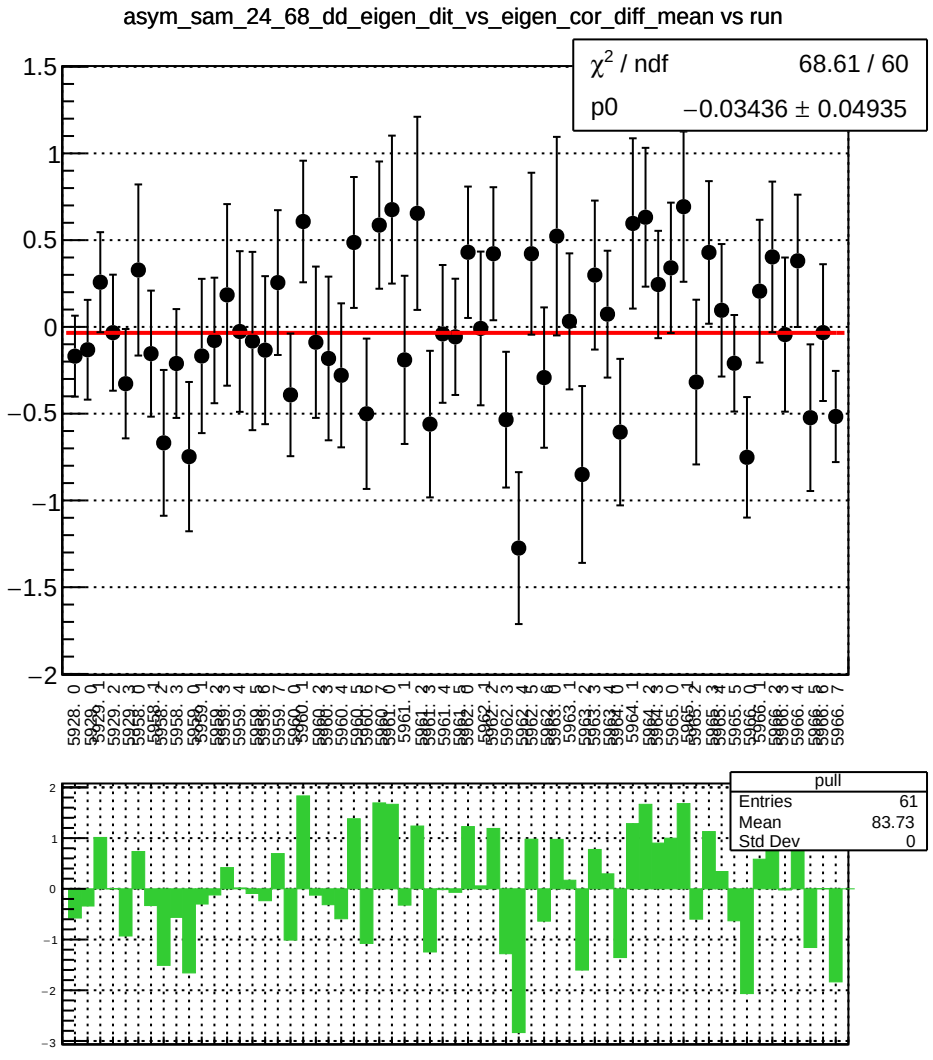

pull1D
Entries 61
Mean 0.01319
Std Dev 0.9511

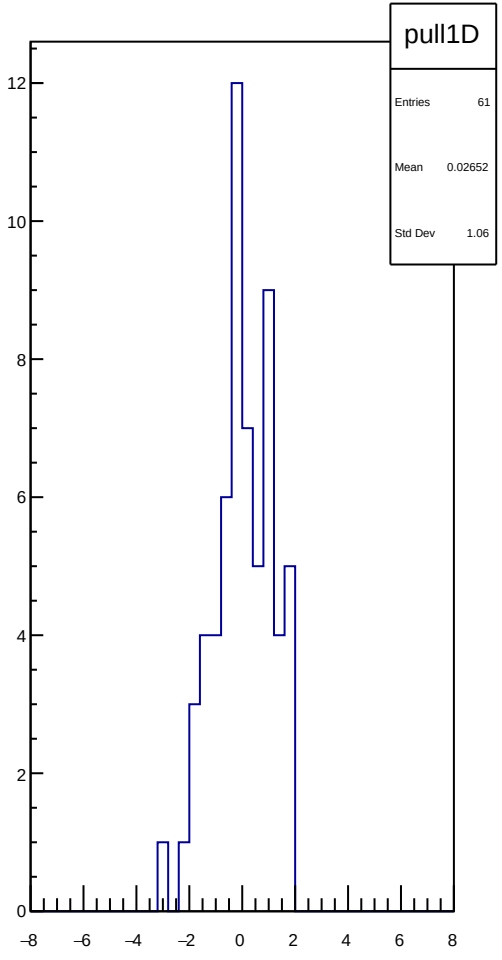

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.965e+04 / 60
p0 0.004186 ± 3.881e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

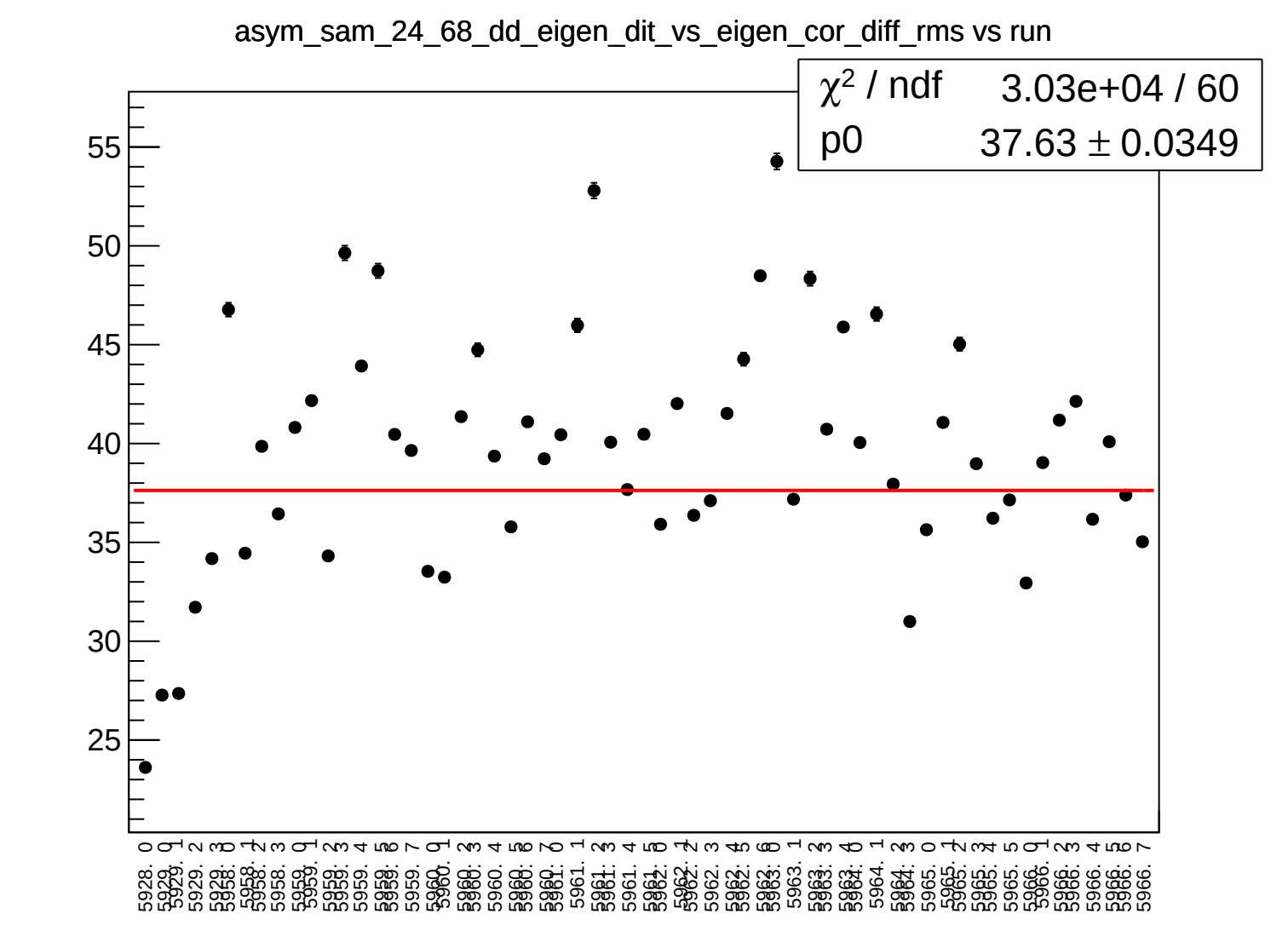

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.61 / 60
p0 −0.03436 ± 0.04935
pull
Entries 61
Mean 83.73
Std Dev 0

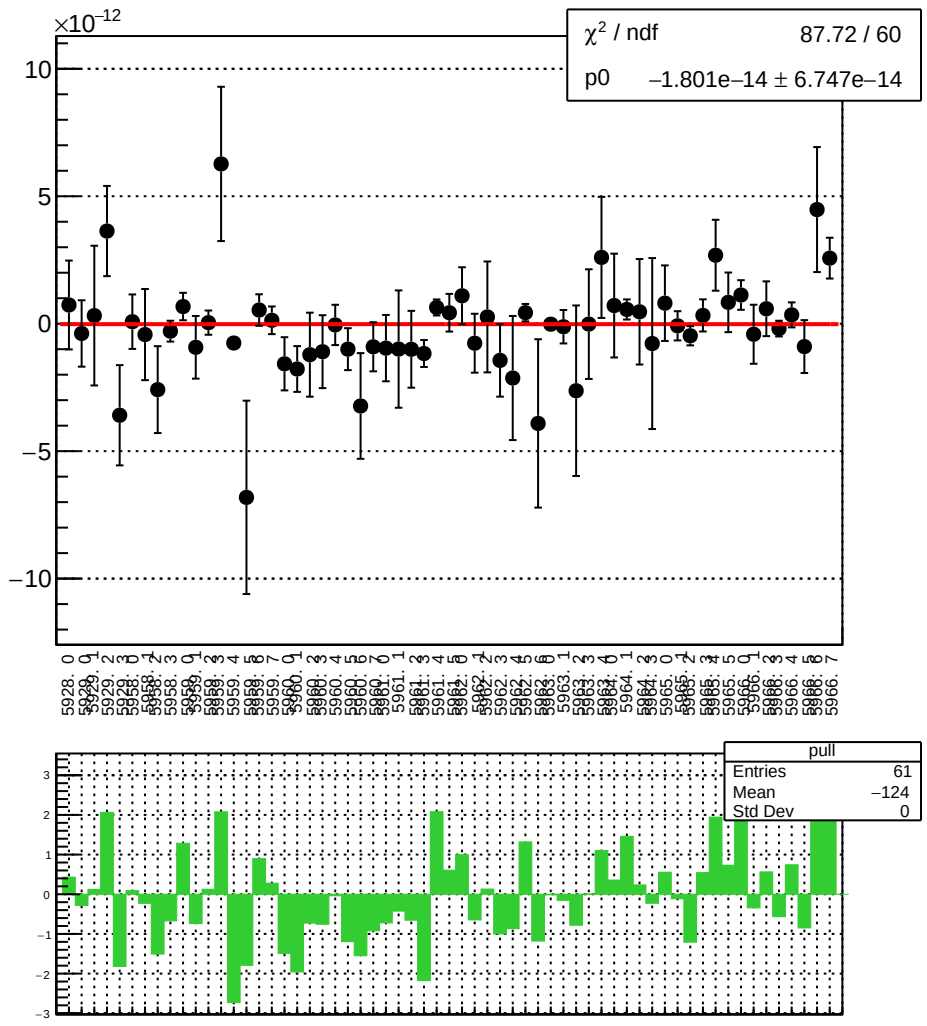

pull1D
Entries 61
Mean 0.02652
Std Dev 1.06

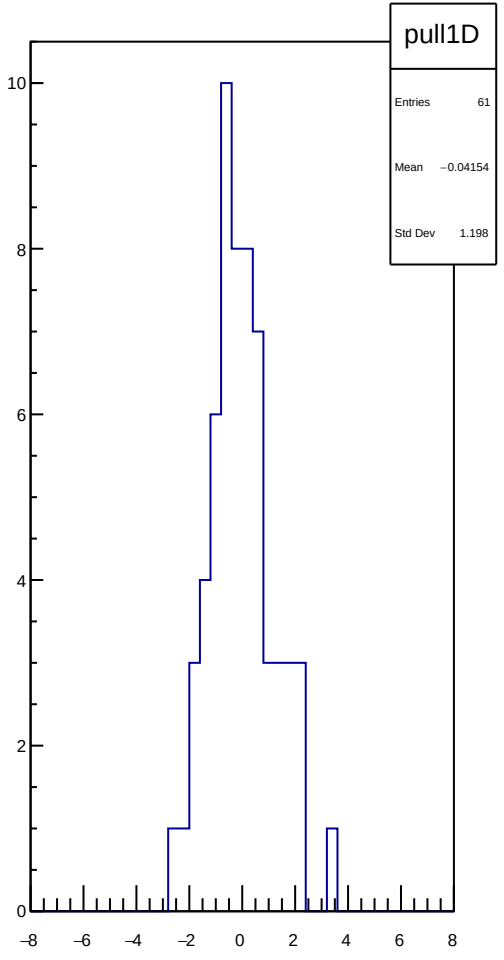

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.03e+04 / 60
p0 37.63 ± 0.0349
55
50
45
40
35
30
25

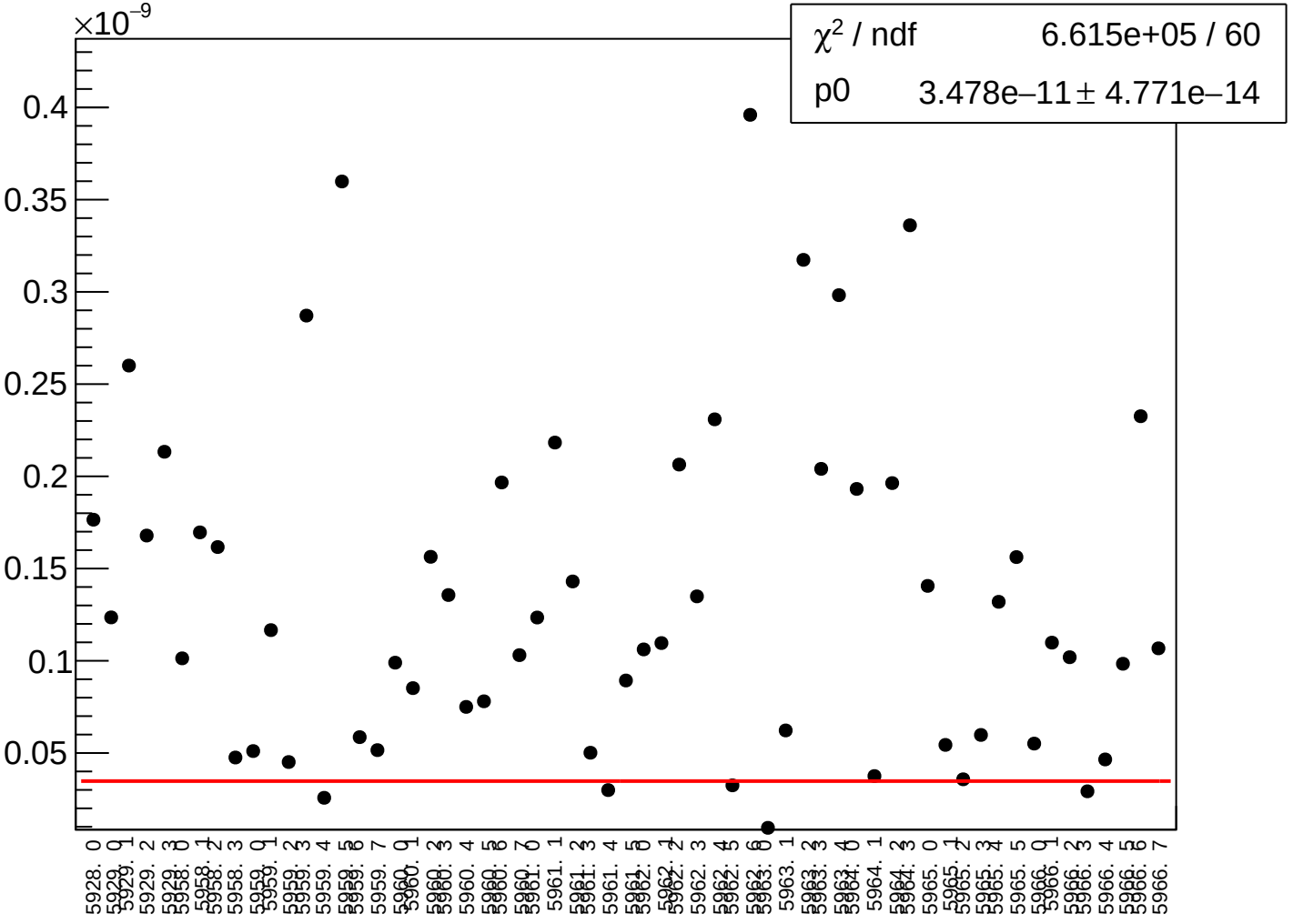

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.61 / 60
p0 −0.03436 ± 0.04935
pull
Entries 61
Mean 83.73
Std Dev 0

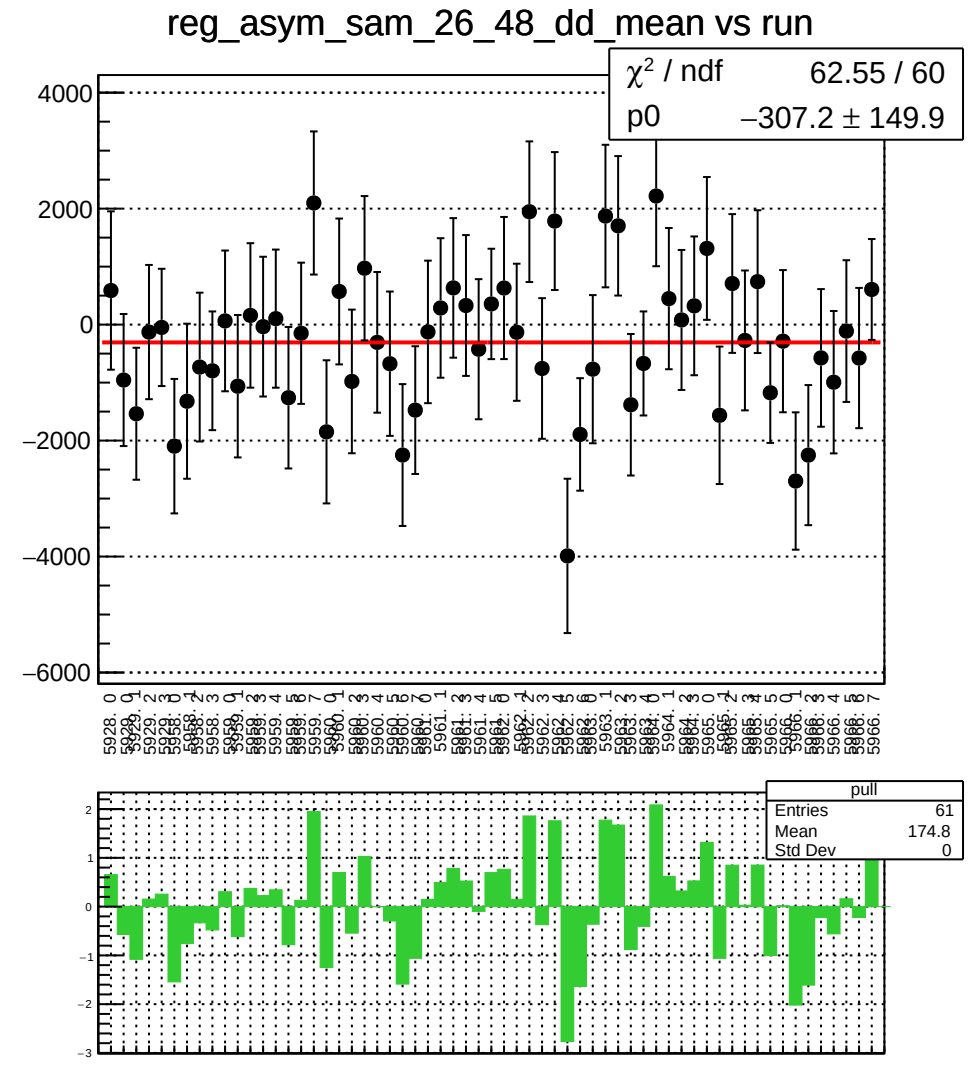

pull1D
Entries 61
Mean 0.02652
Std Dev 1.06

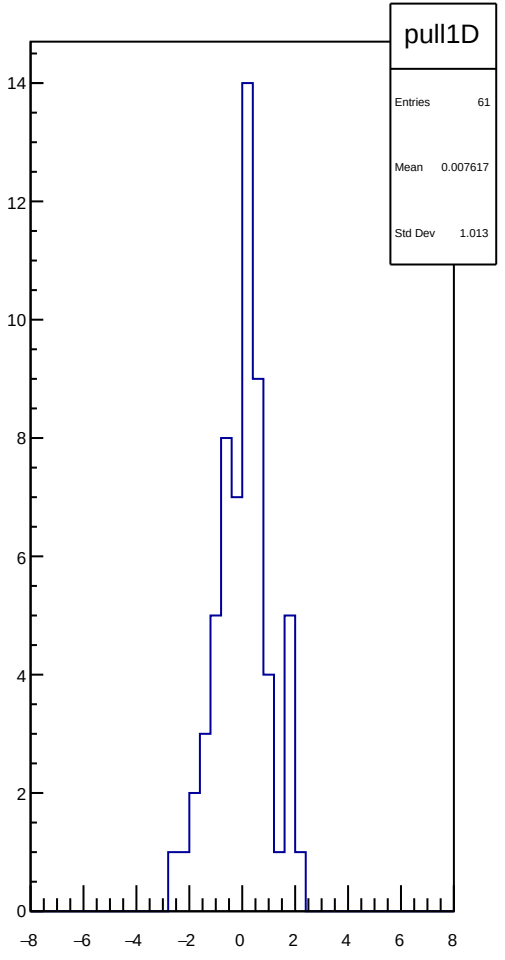

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.03e+04 / 60
p0 37.63 ± 0.0349
55
50
45
40
35
30
25

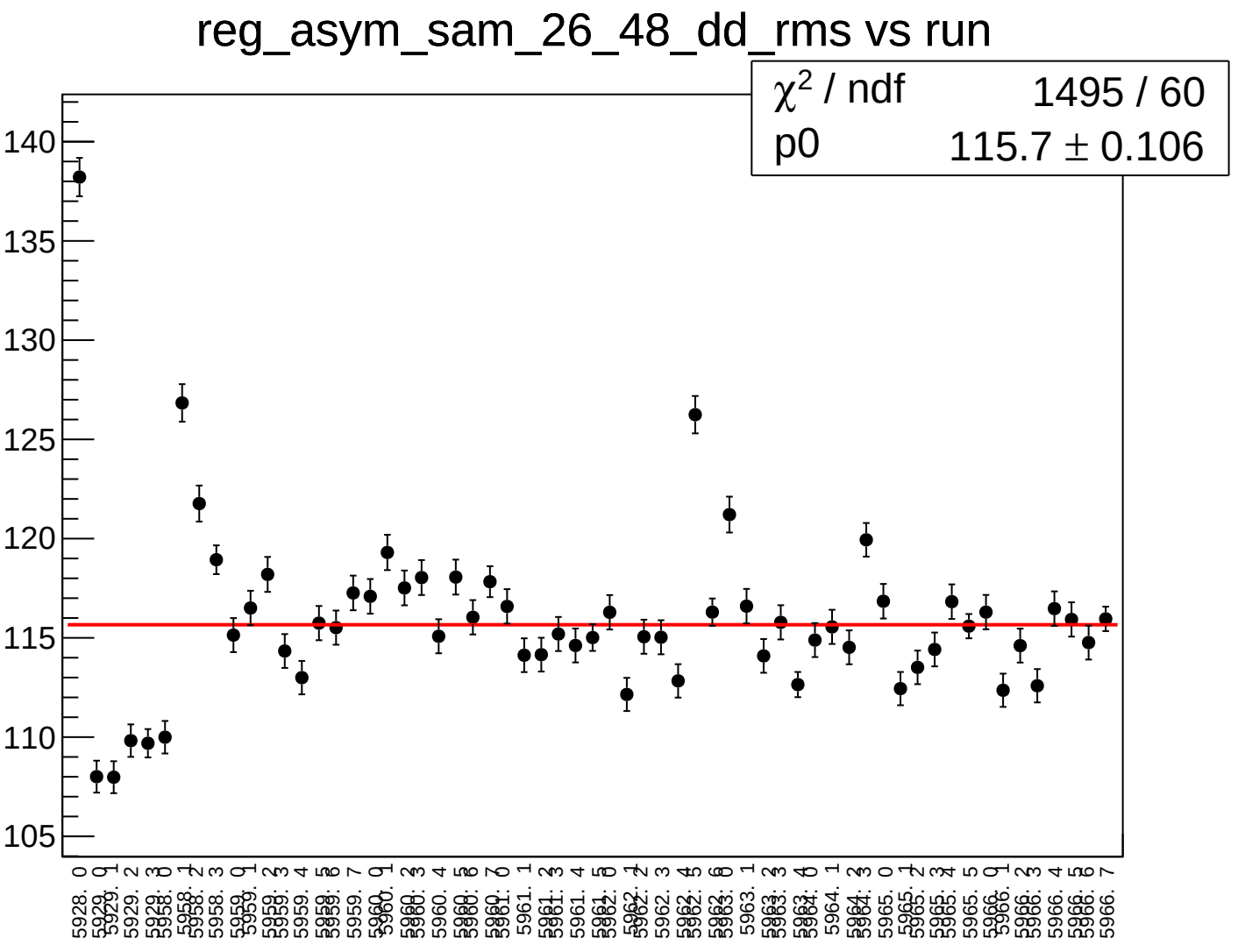

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.72 / 60
p0 −1.801e−14 ± 6.747e−14
pull
Entries 61
Mean −124
Std Dev 0

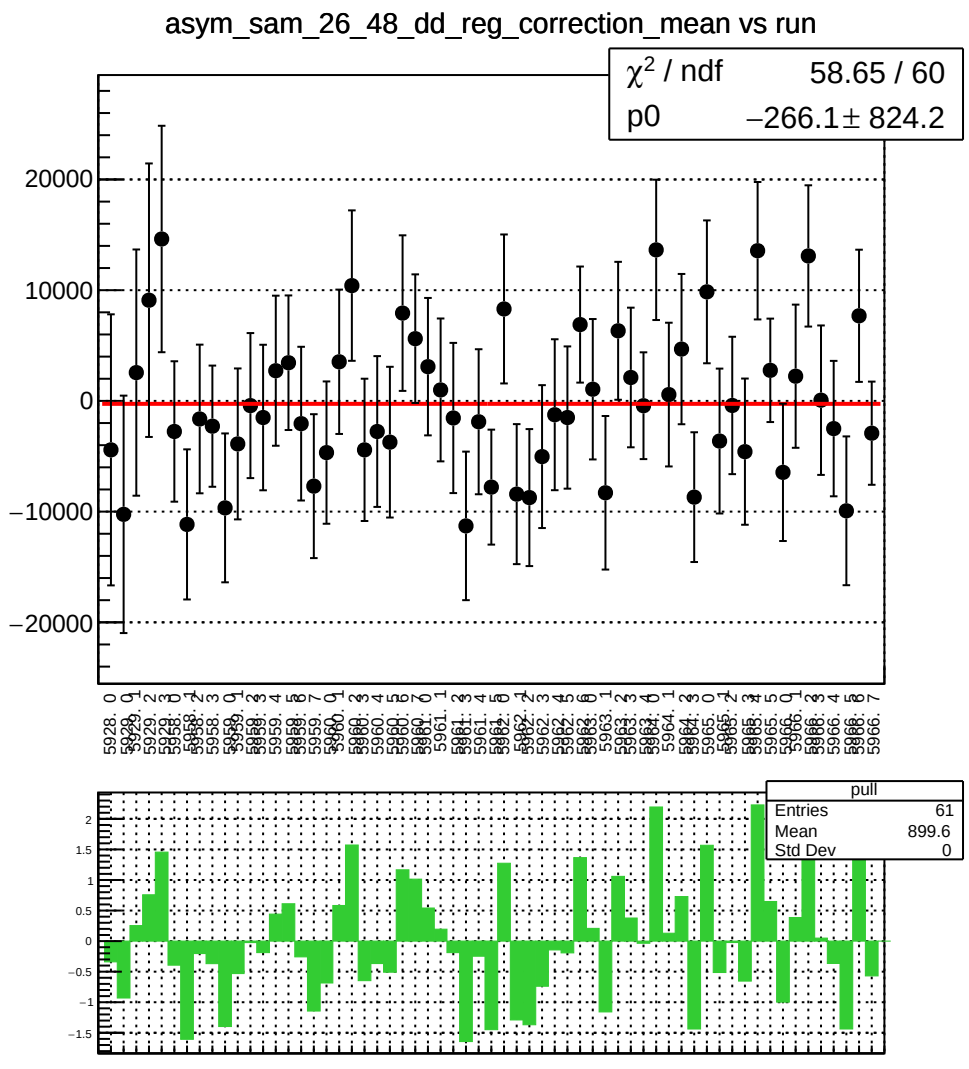

pull1D
Entries 61
Mean −0.04154
Std Dev 1.198

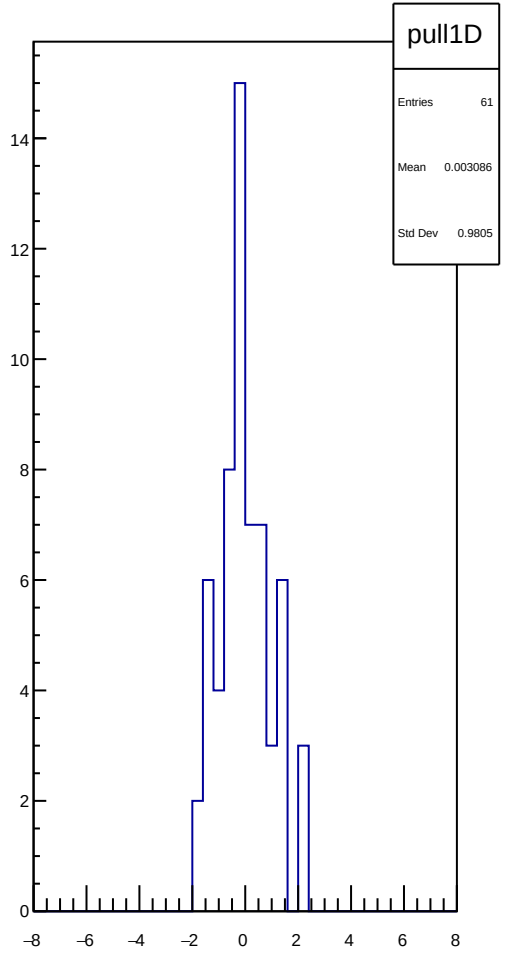

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.615e+05 / 60
p0 3.478e−11 ± 4.771e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

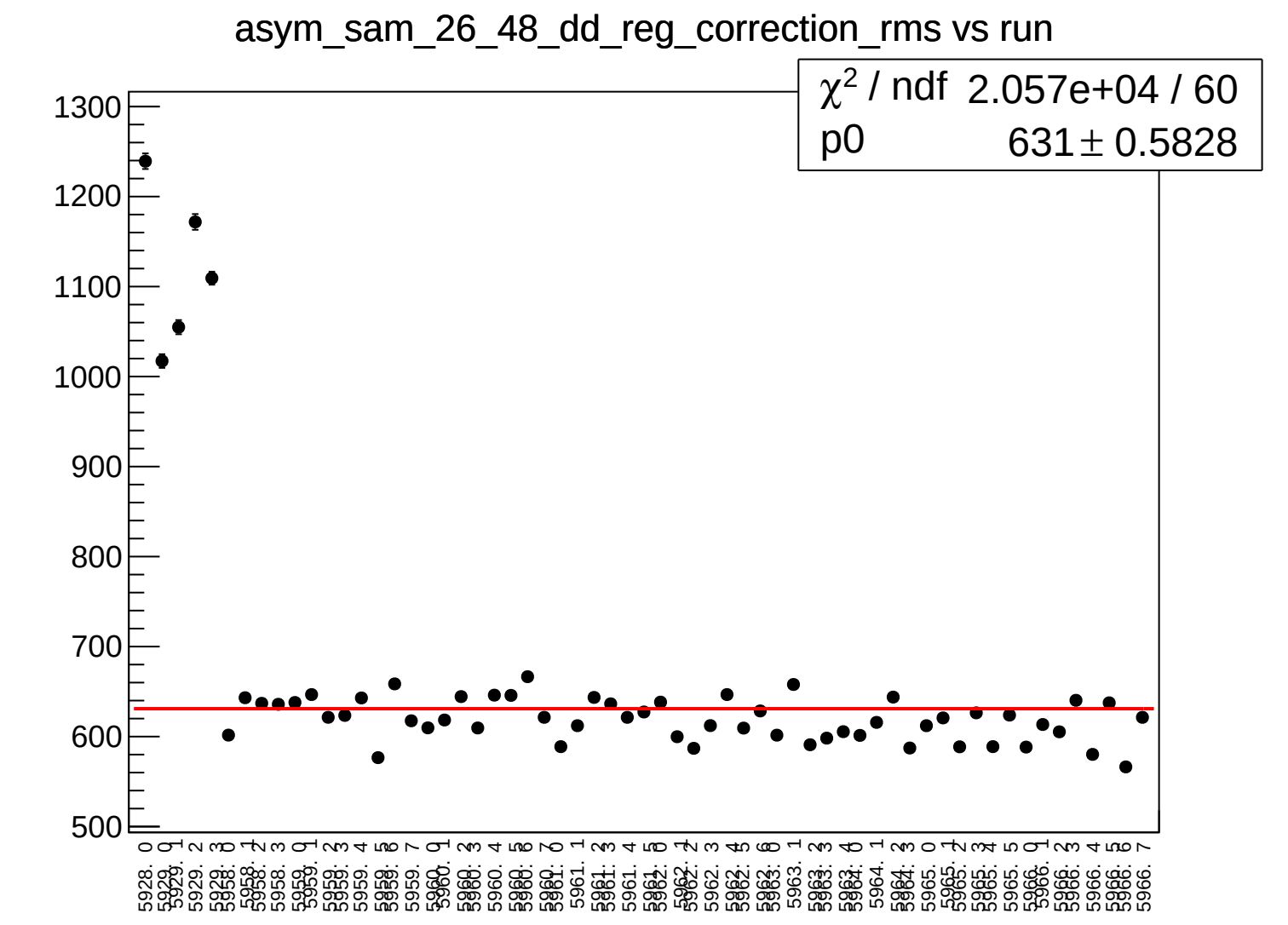

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.55 / 60
p0 −307.2 ± 149.9
pull
Entries 61
Mean 174.8
Std Dev 0

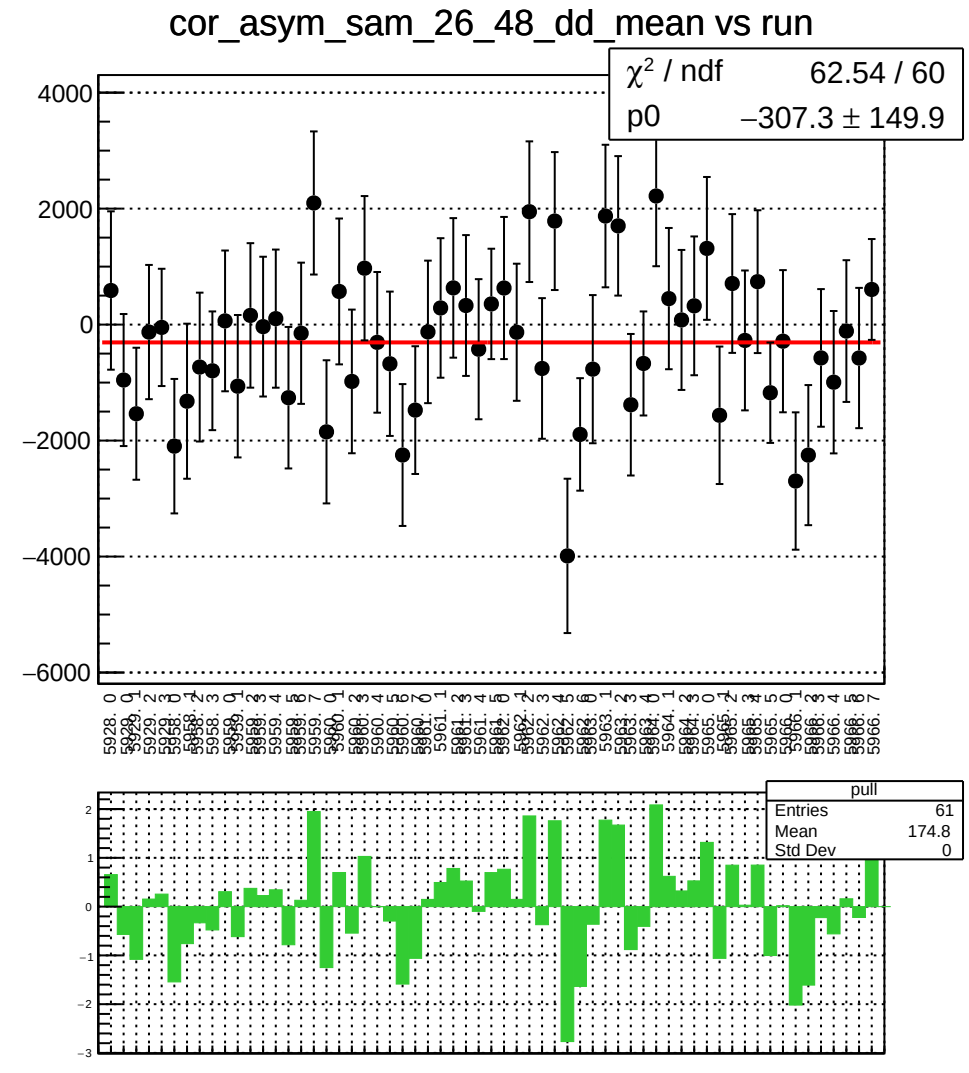

pull1D
Entries 61
Mean 0.007617
Std Dev 1.013

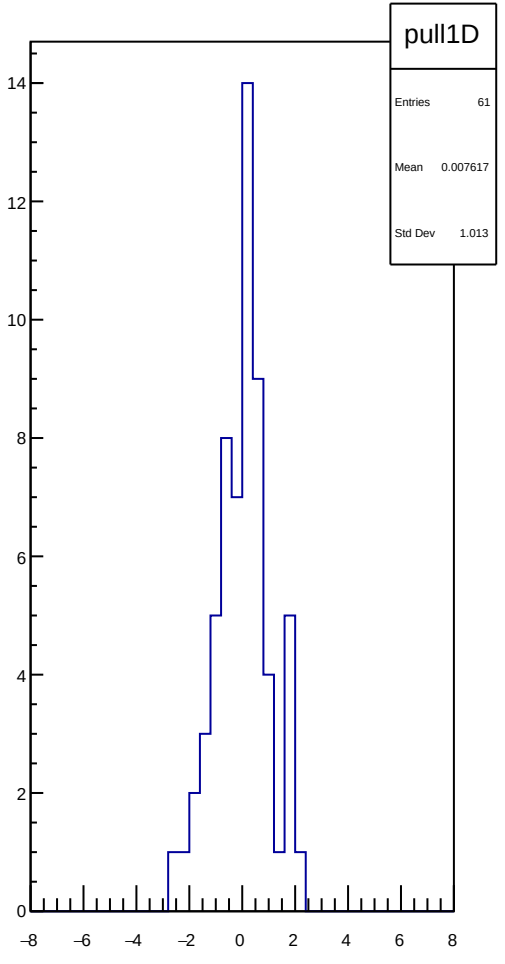

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 1495 / 60
p0 115.7 ± 0.106
140
135
130
125
120
115
110
105

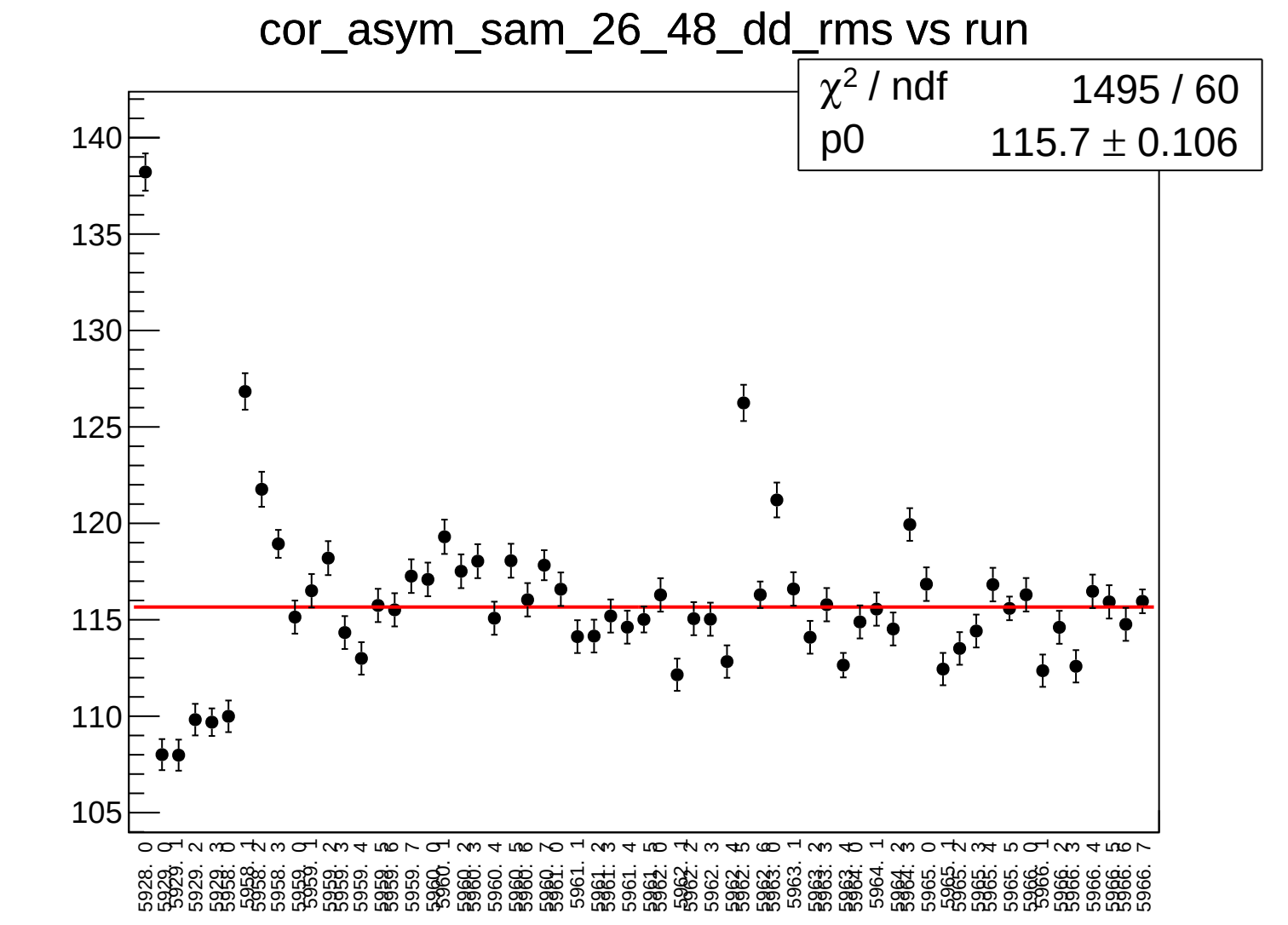

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 58.65 / 60
p0 −266.1± 824.2
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 899.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

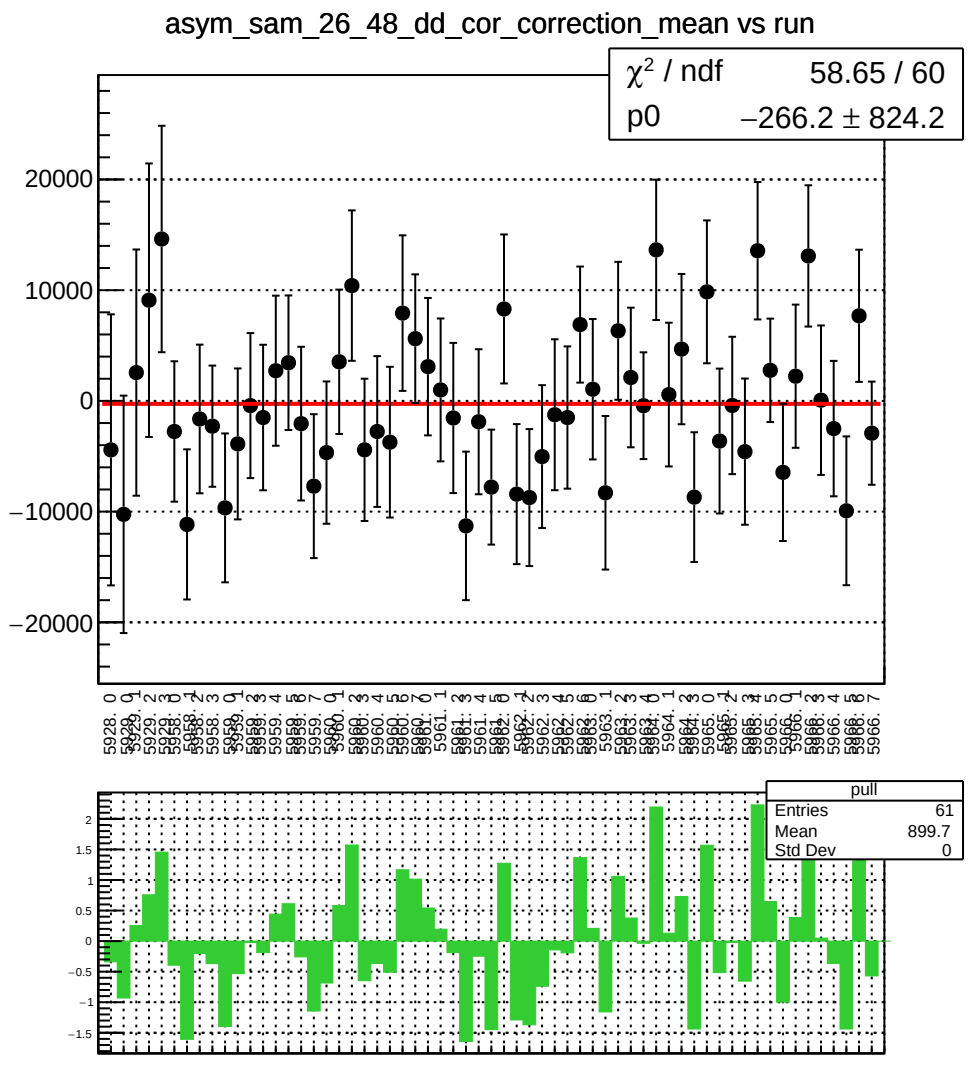

pull1D
Entries 61
Mean 0.003086
Std Dev 0.9805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

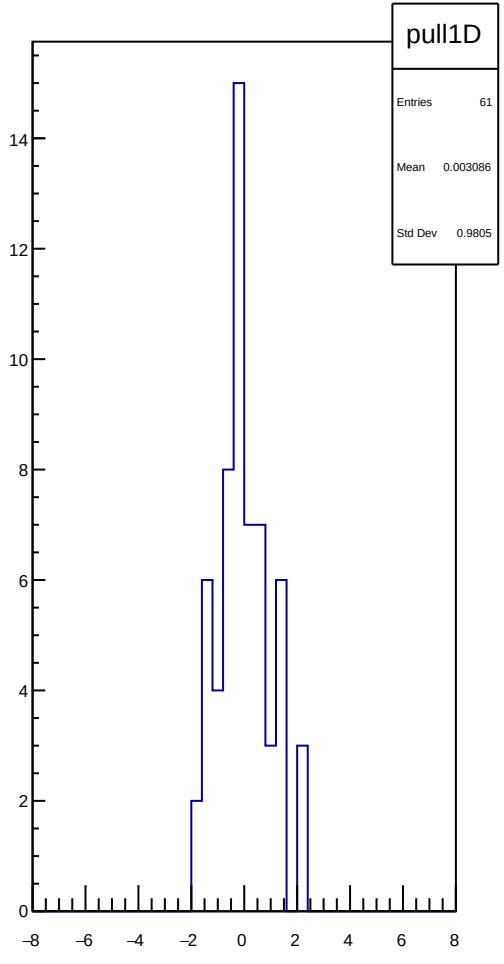

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 2.057e+04 / 60
p0 631 ± 0.5828
1300
1200
1100
1000
900
800
700
600
500

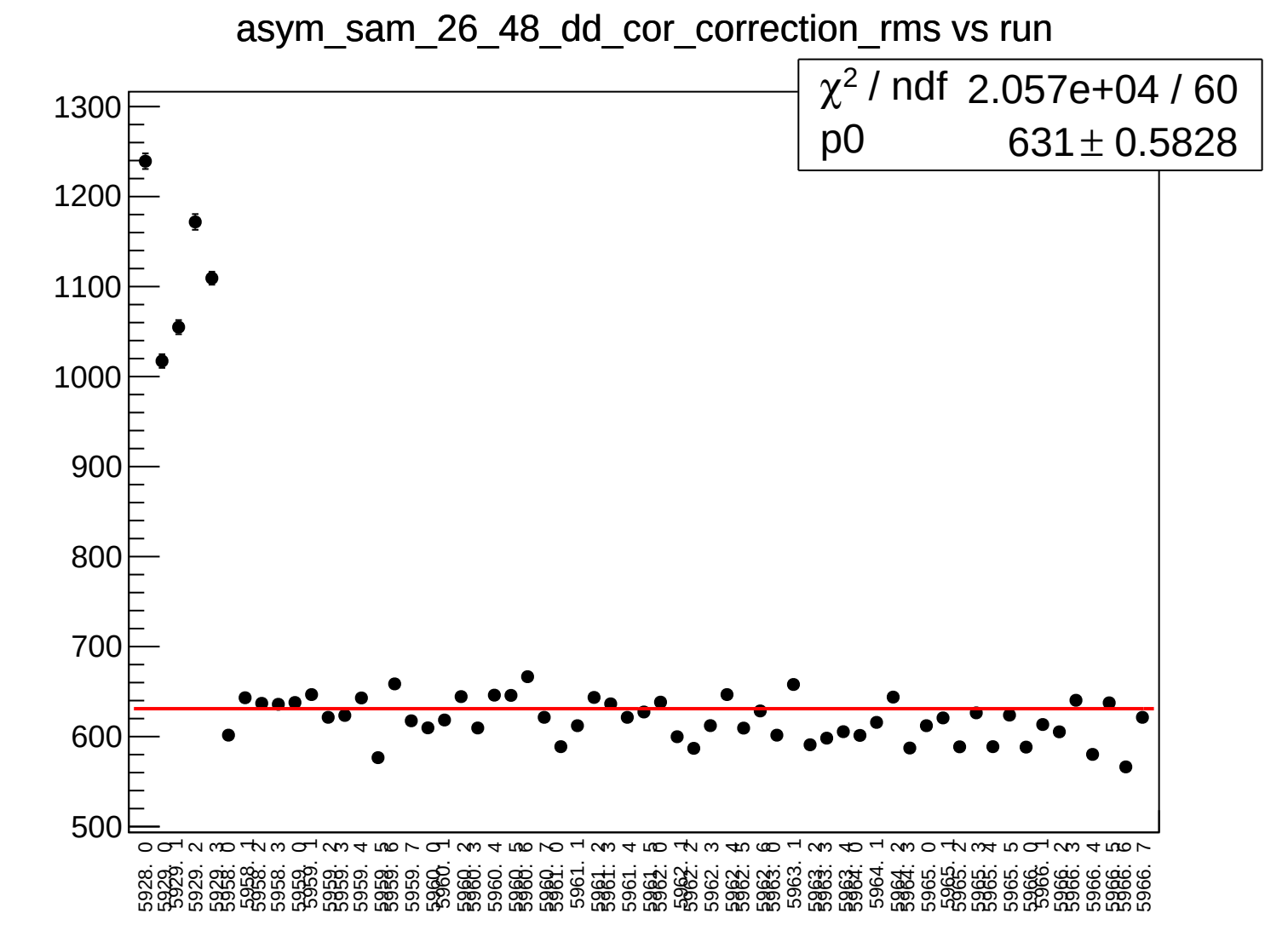

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.54 / 60
p0 −307.3 ± 149.9
pull
Entries 61
Mean 174.8
Std Dev 0

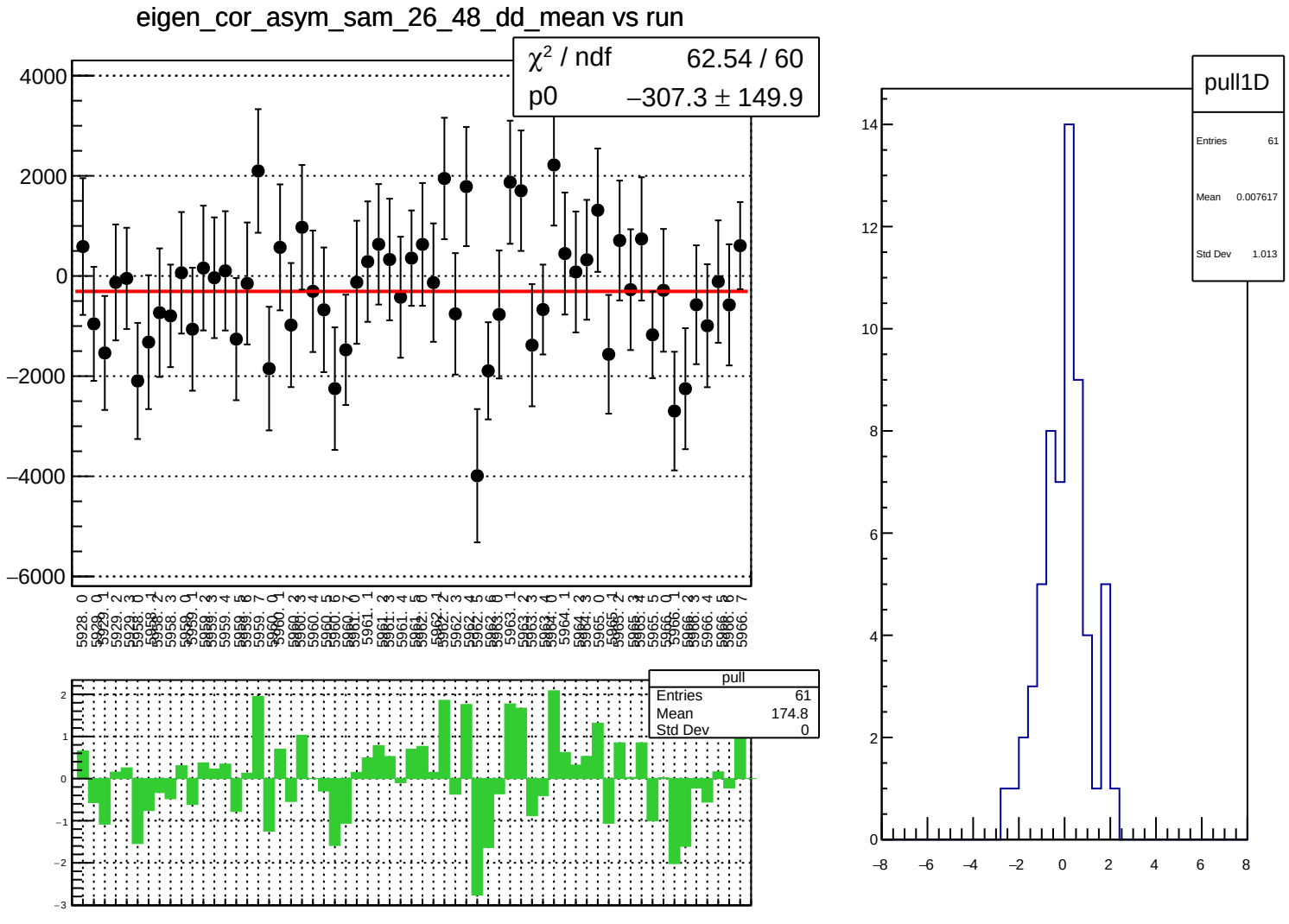

pull1D
Entries 61
Mean 0.007617
Std Dev 1.013

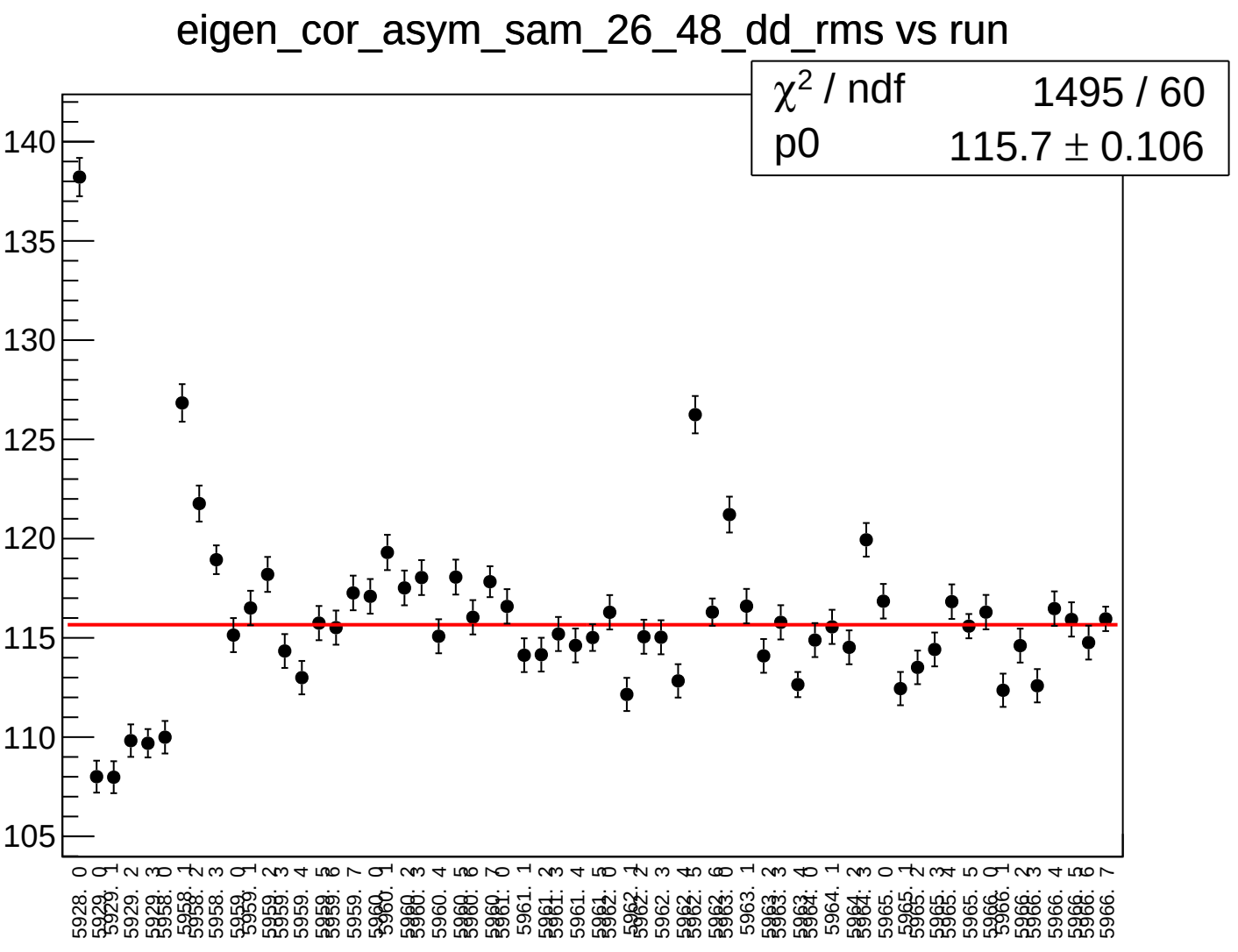

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1495 / 60
p0 115.7 ± 0.106
140
135
130
125
120
115
110
105

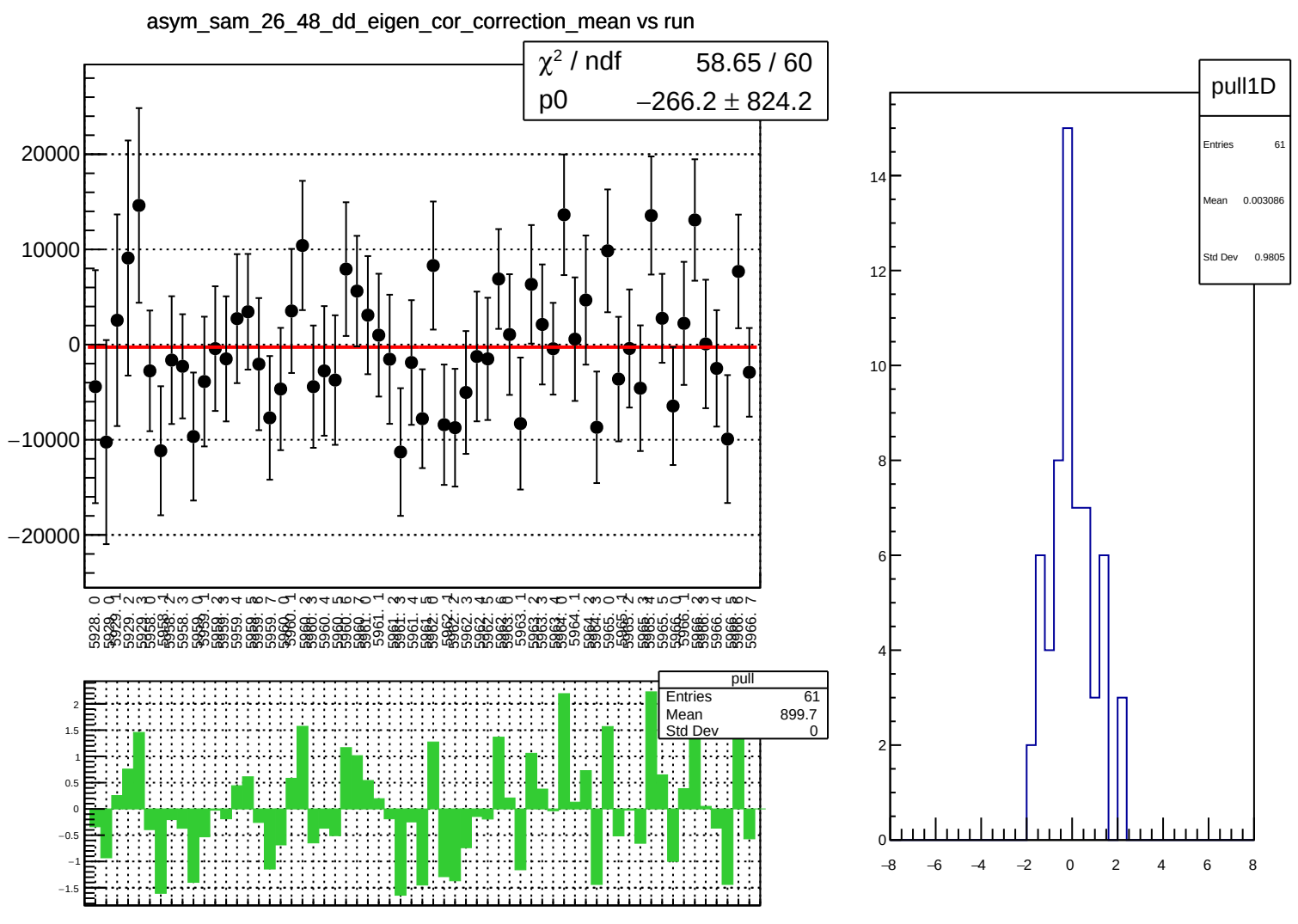

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 58.65 / 60
p0 −266.2 ± 824.2
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 899.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

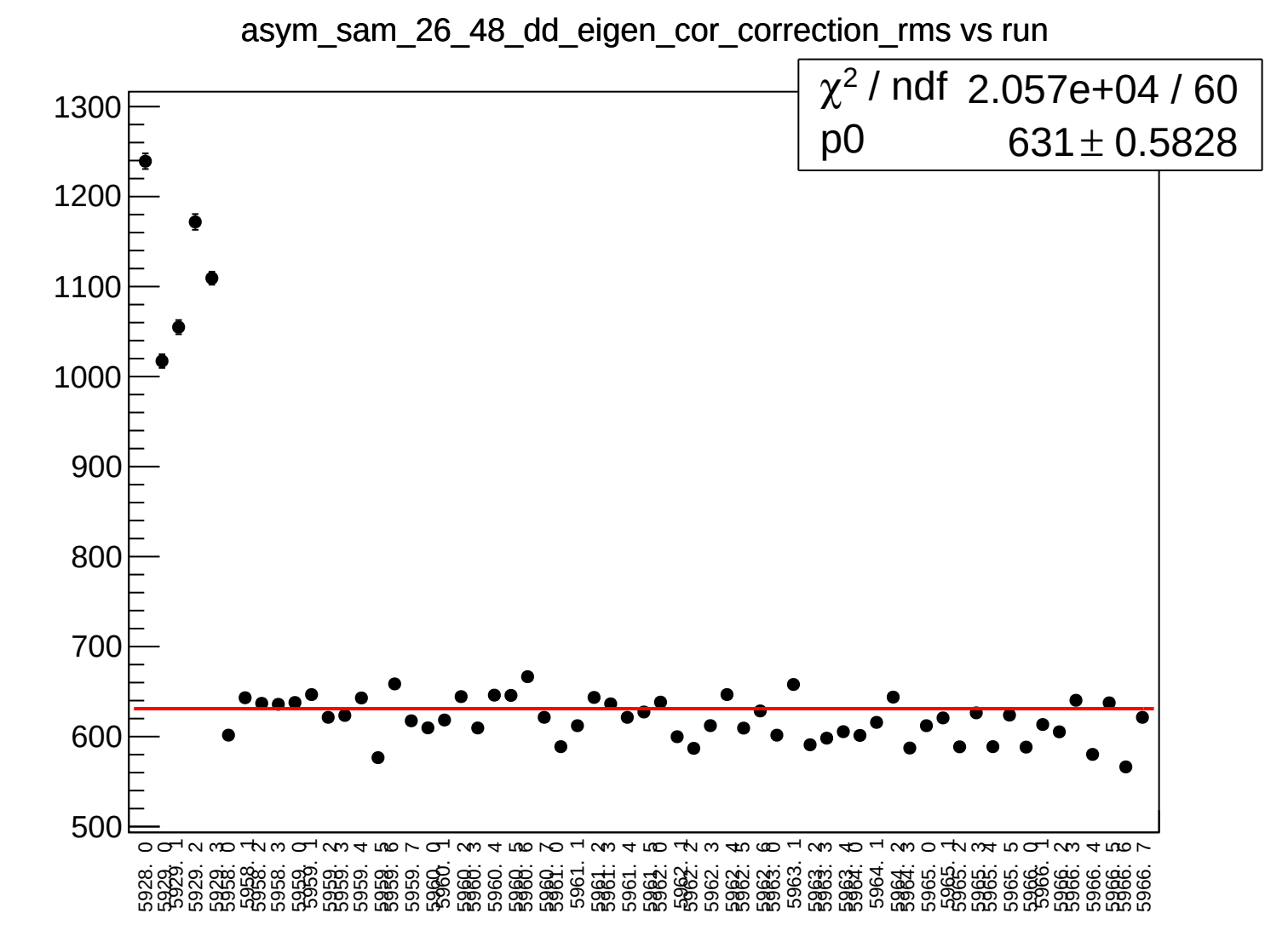

pull1D
Entries 61
Mean 0.003086
Std Dev 0.9805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

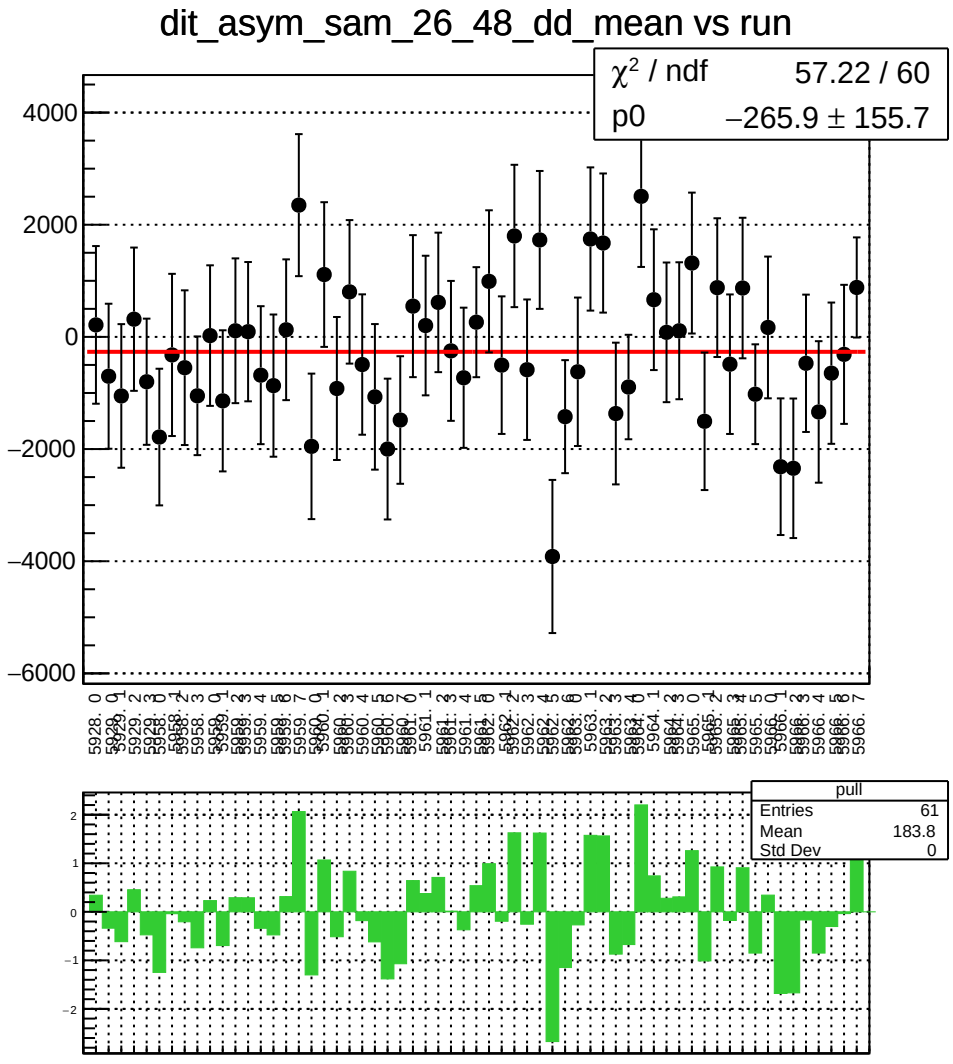

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 2.057e+04 / 60
p0 631 ± 0.5828
1300
1200
1100
1000
900
800
700
600
500

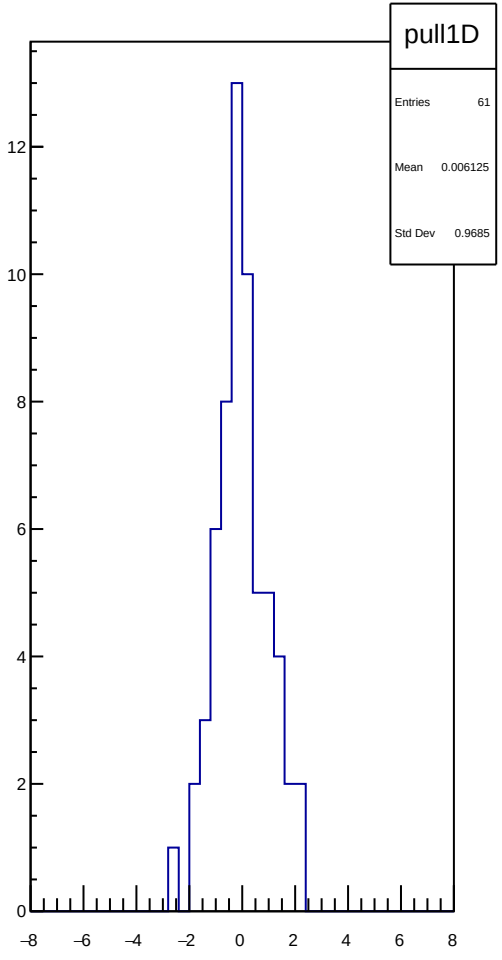

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.54 / 60
p0 −307.3 ± 149.9
pull
Entries 61
Mean 174.8
Std Dev 0
pull1D
Entries 61
Mean 0.007617
Std Dev 1.013

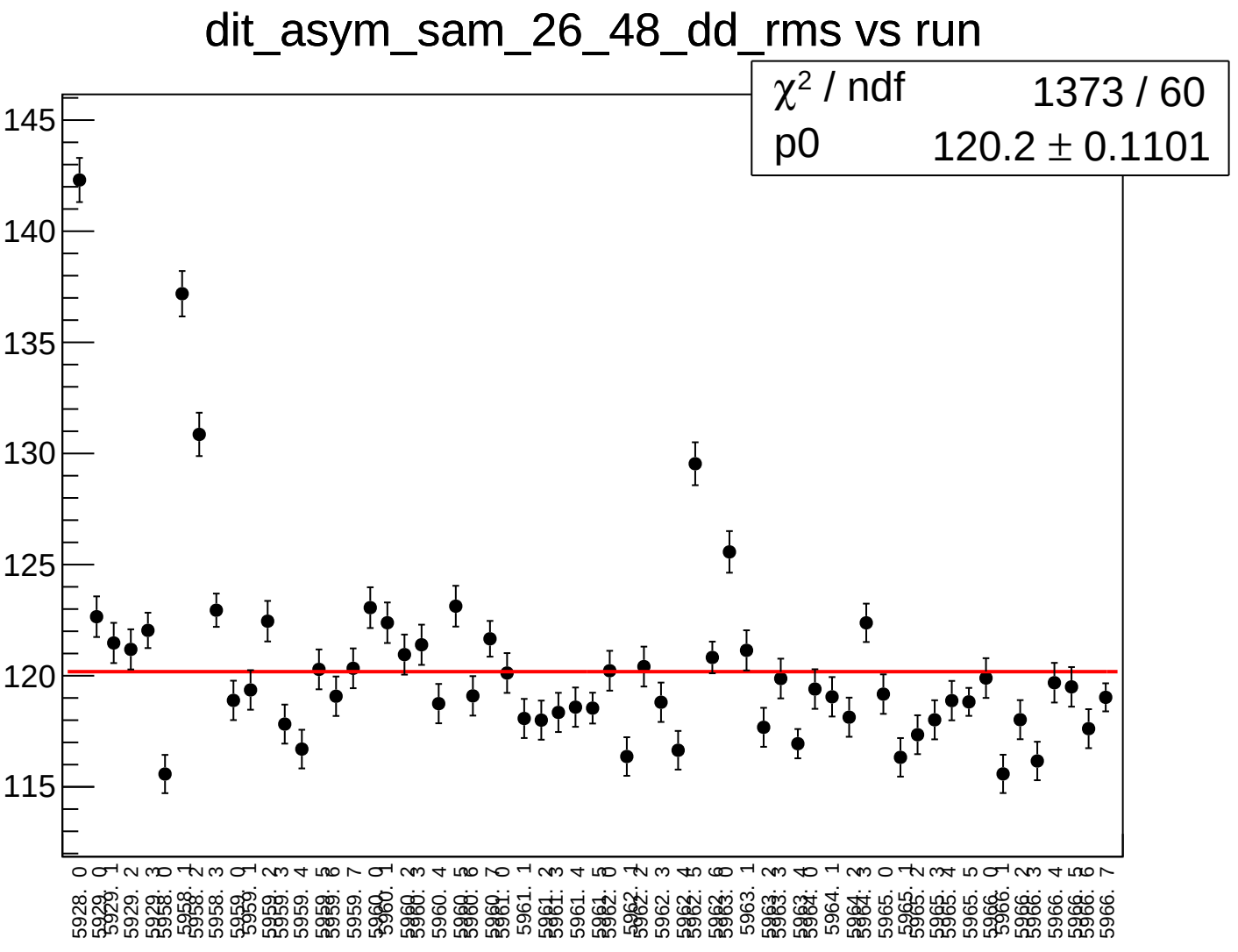

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 1495 / 60
p0 115.7 ± 0.106
140
135
130
125
120
115
110
105

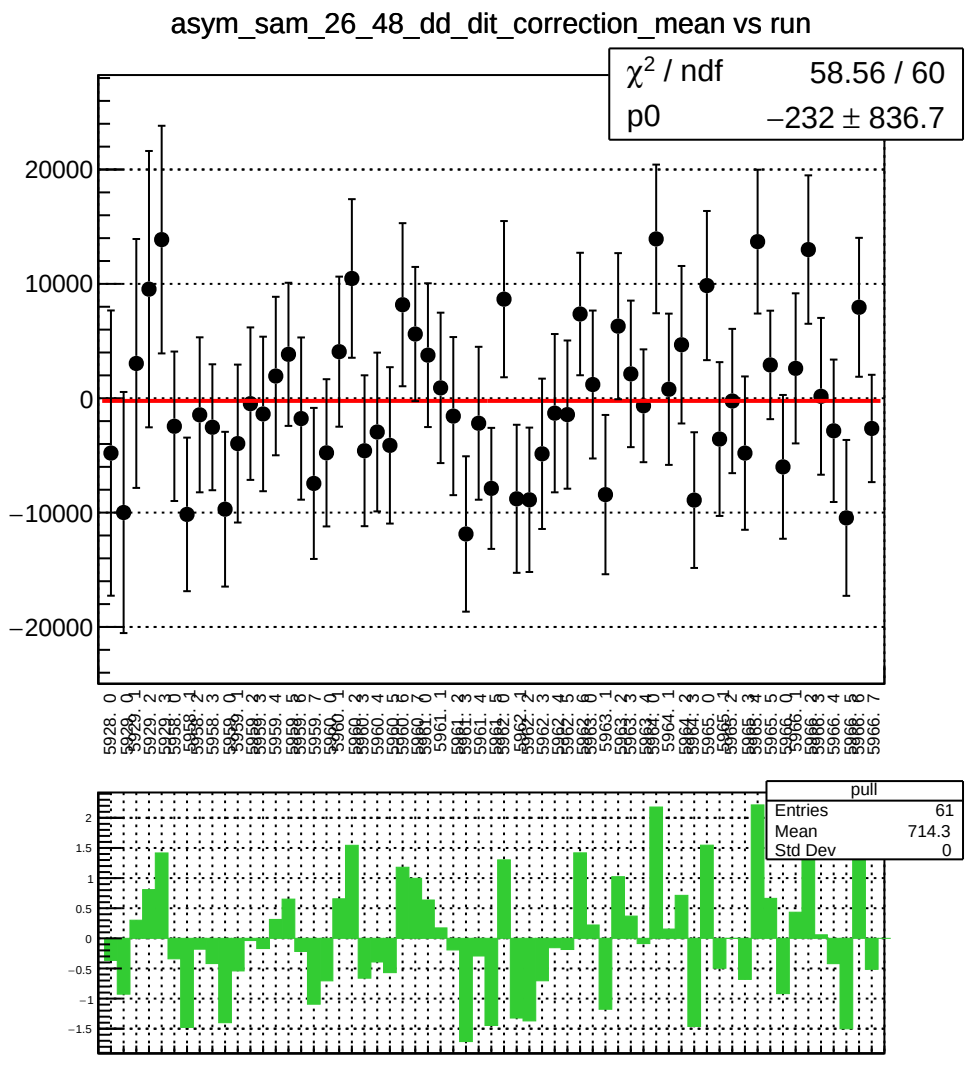

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.65 / 60
p0 −266.2 ± 824.2
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 899.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean 0.003086
Std Dev 0.9805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

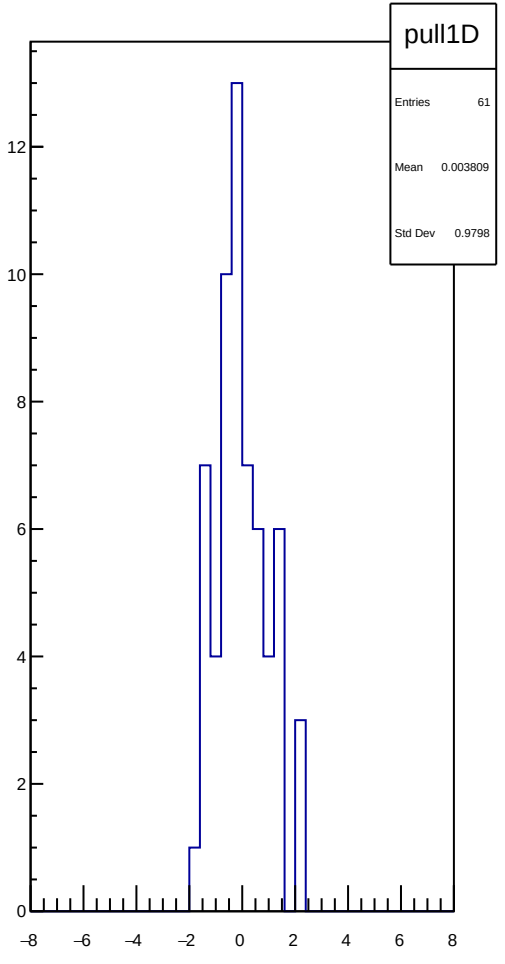

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.057e+04 / 60
p0 631 ± 0.5828
1300
1200
1100
1000
900
800
700
600
500

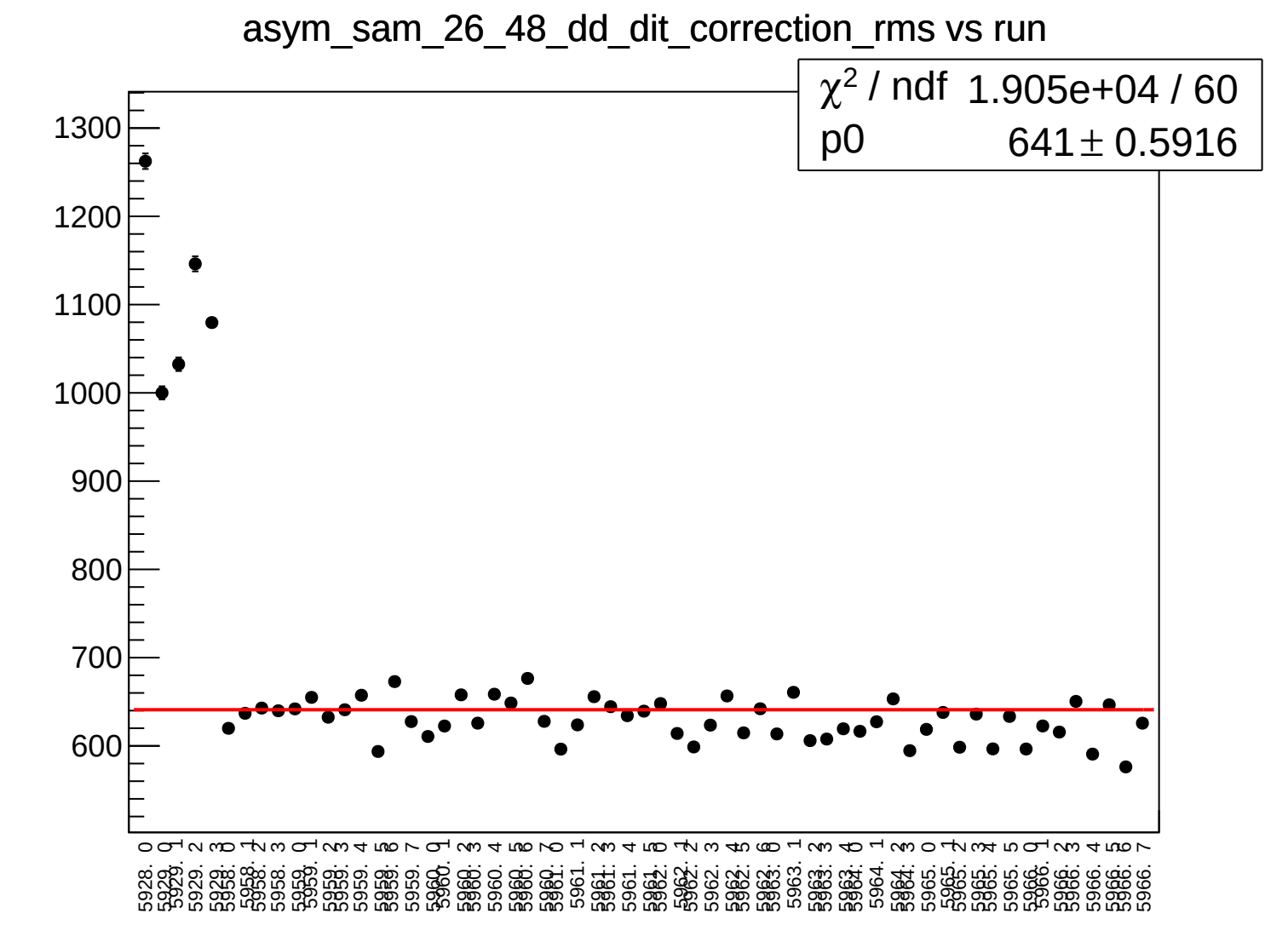

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 57.22 / 60
p0 −265.9 ± 155.7
pull
Entries 61
Mean 183.8
Std Dev 0

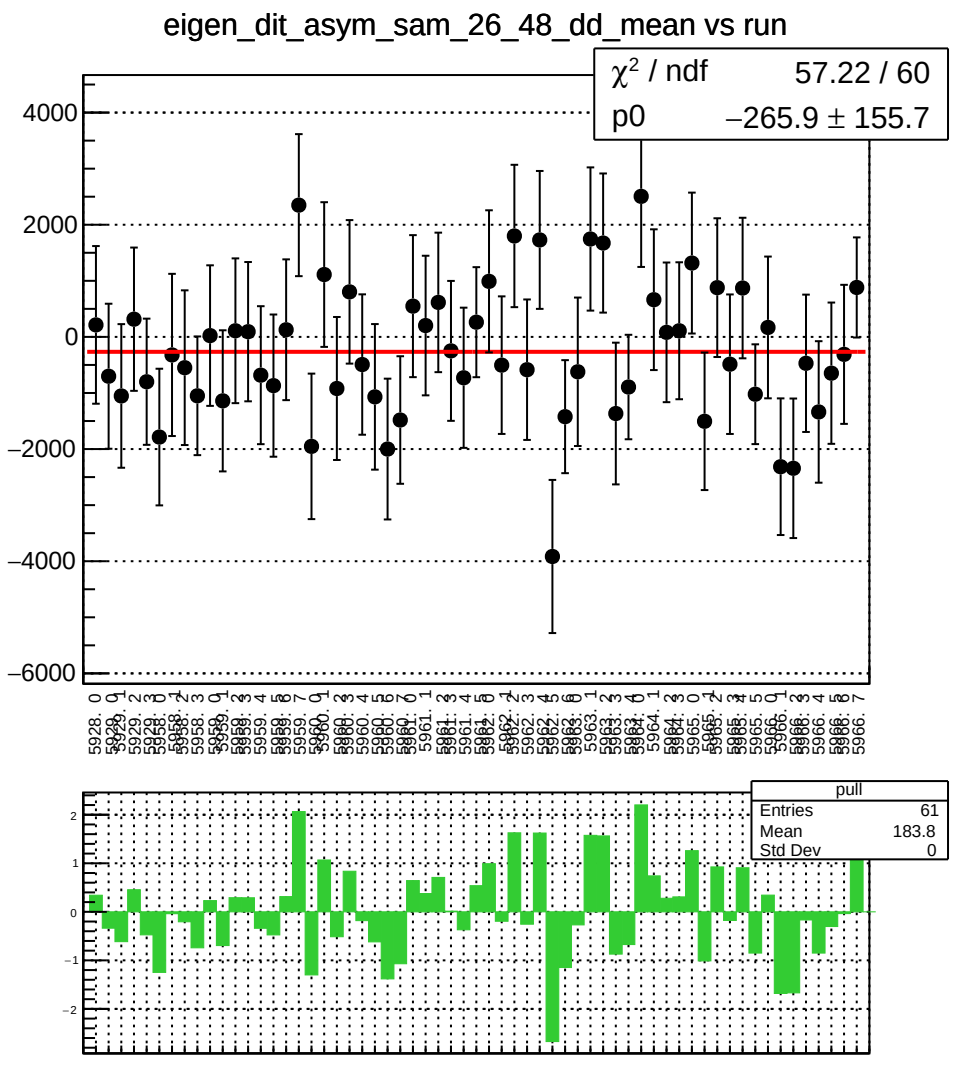

pull1D
Entries 61
Mean 0.006125
Std Dev 0.9685

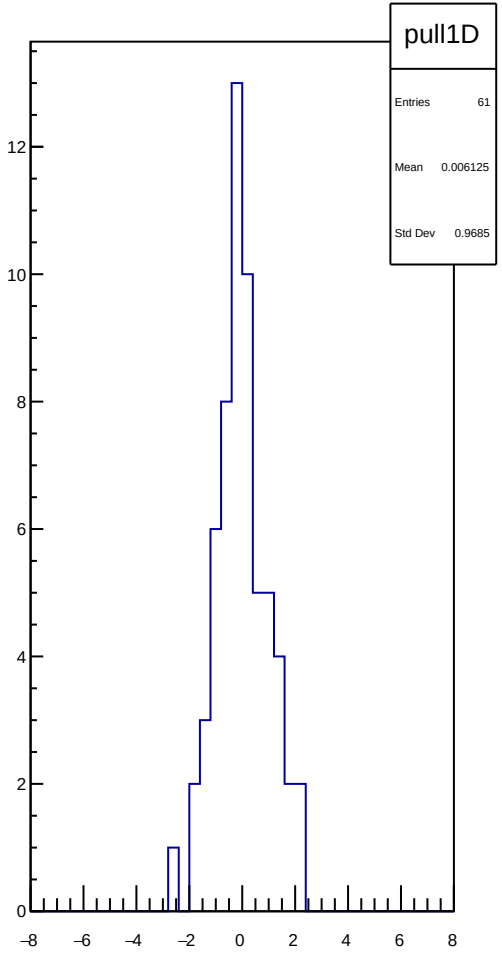

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1373 / 60
p0 120.2 ± 0.1101
145
140
135
130
125
120
115

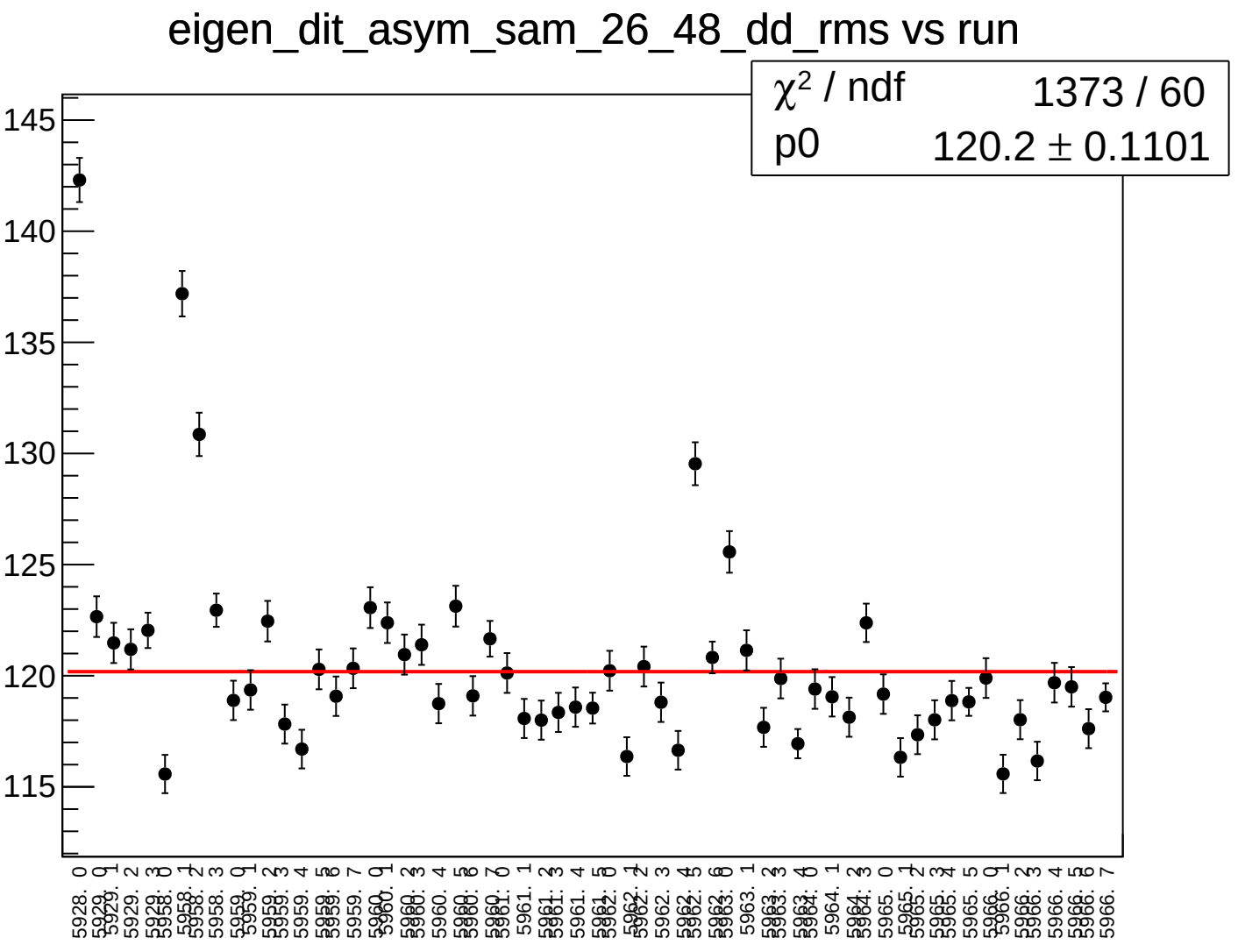

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 58.56 / 60
p0 −232 ± 836.7
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 714.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

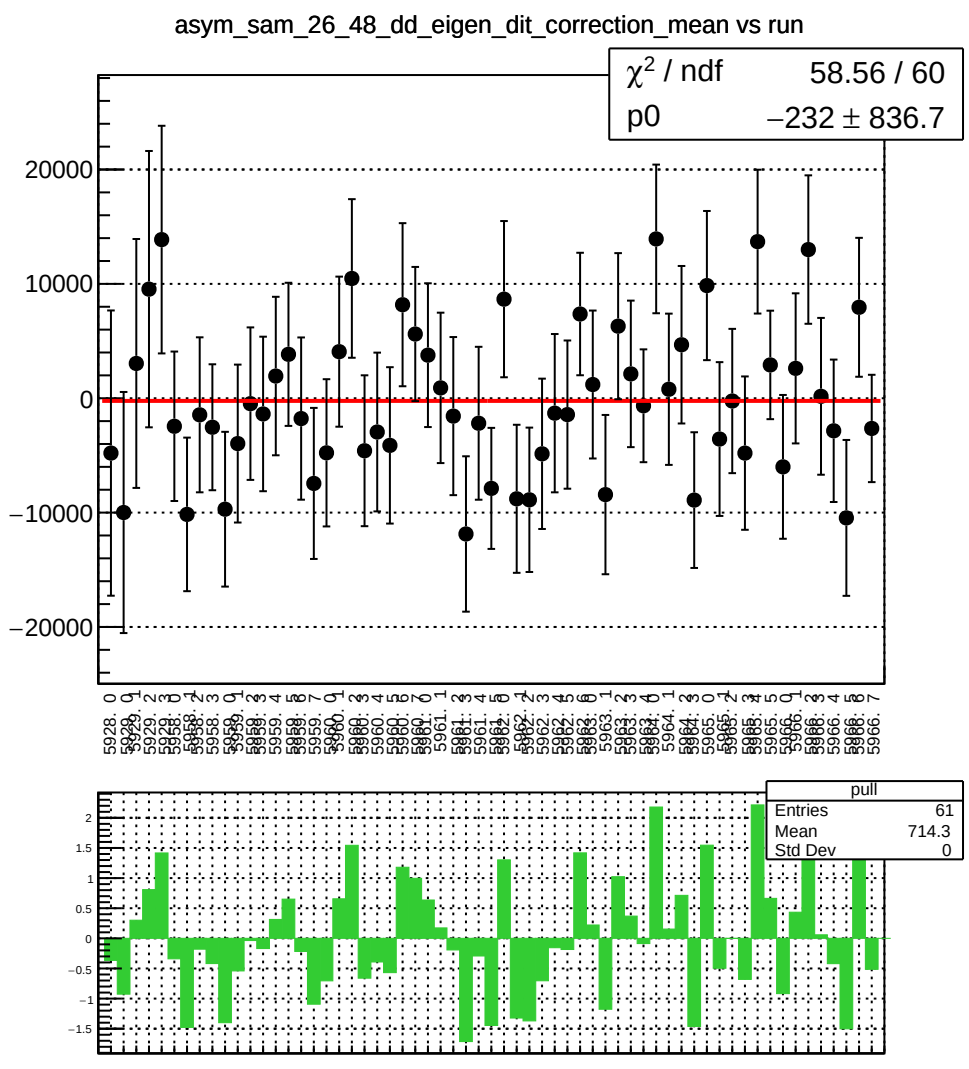

pull1D
Entries 61
Mean 0.003809
Std Dev 0.9798
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

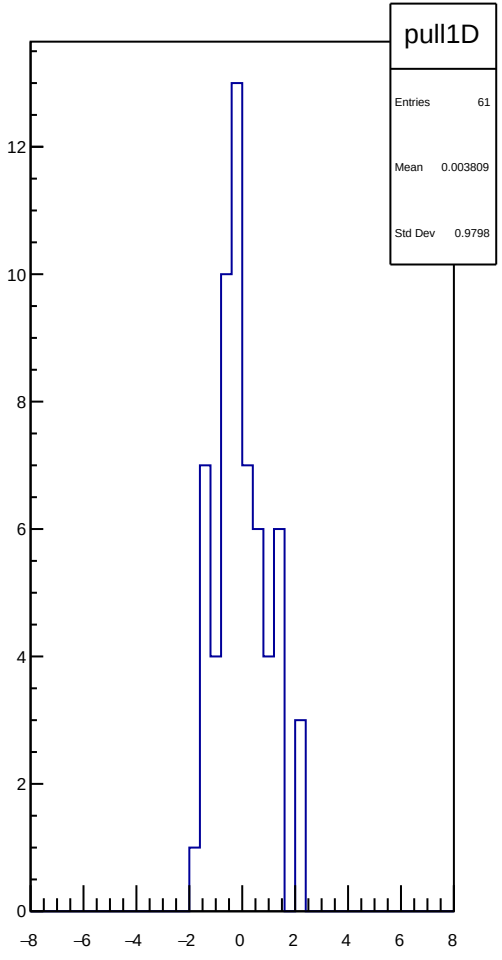

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1.905e+04 / 60
p0 641 ± 0.5916
1300
1200
1100
1000
900
800
700
600

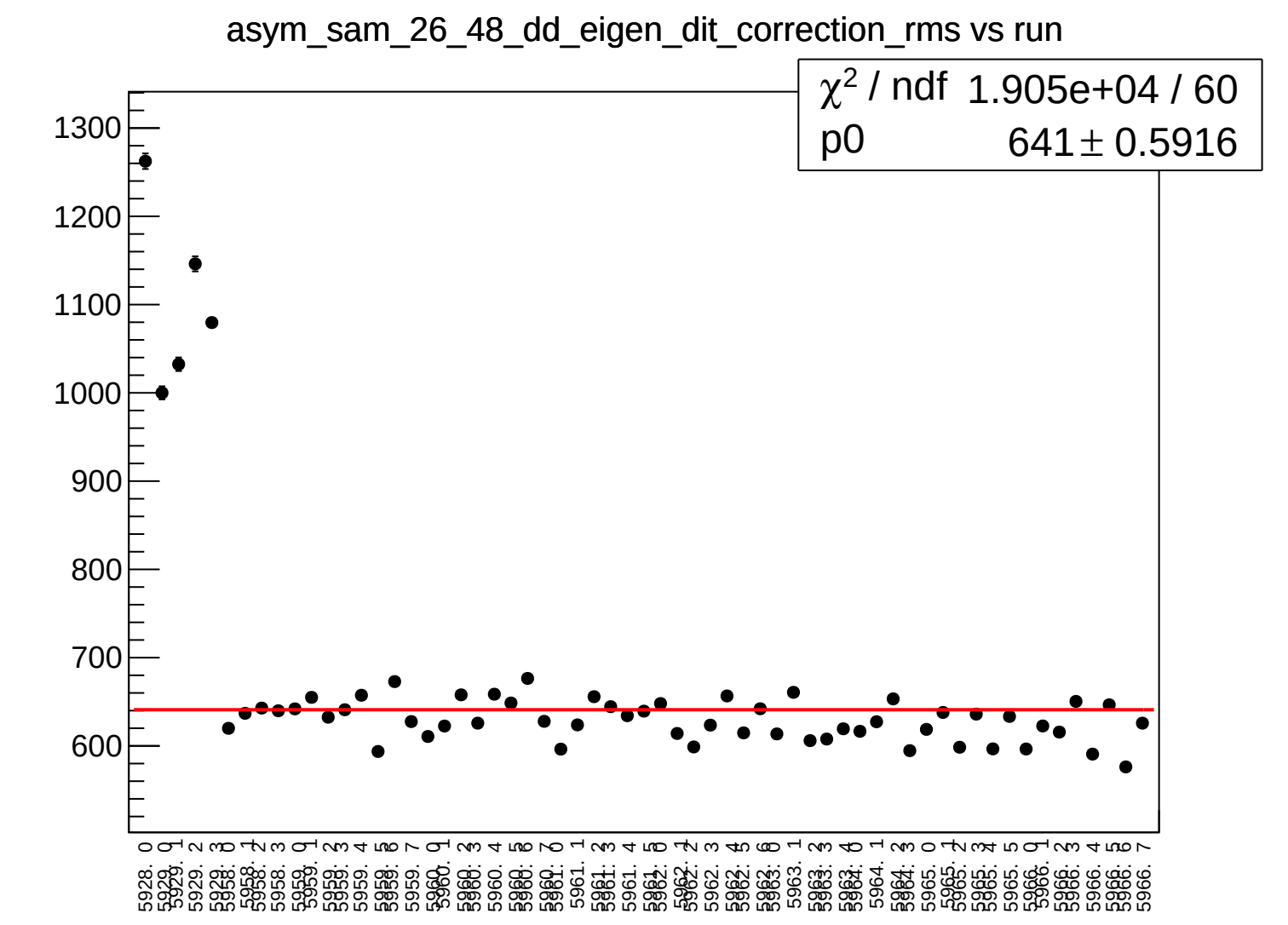

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 57.22 / 60
p0 −265.9 ± 155.7
pull
Entries 61
Mean 183.8
Std Dev 0

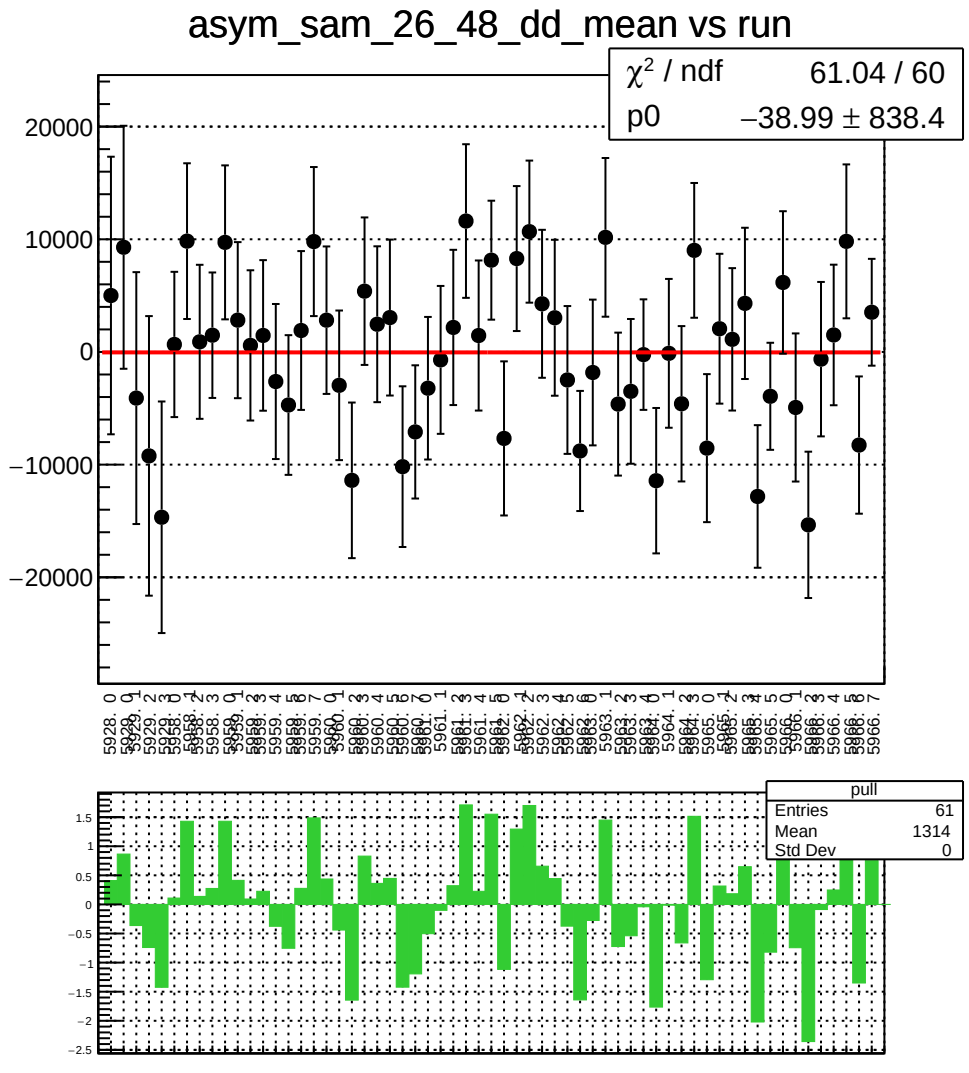

pull1D
Entries 61
Mean 0.006125
Std Dev 0.9685

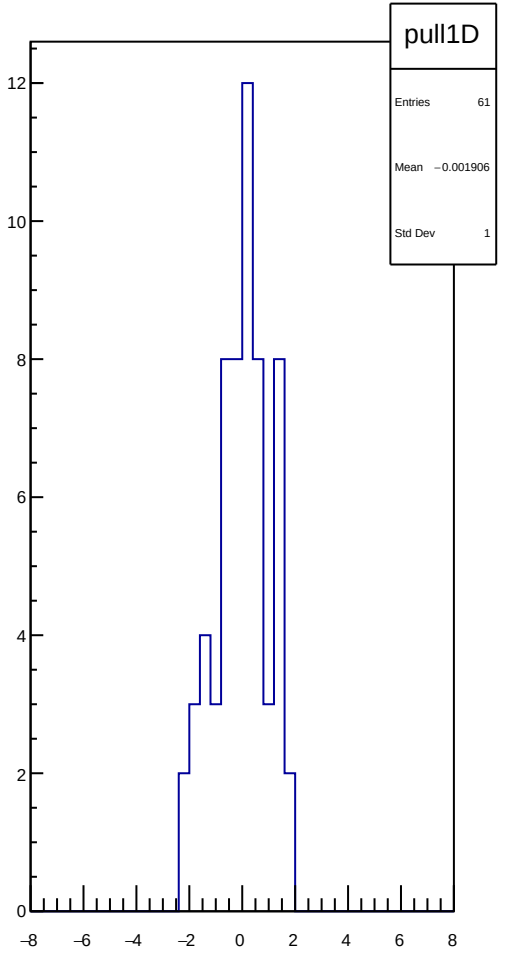

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1373 / 60
p0 120.2 ± 0.1101
145
140
135
130
125
120
115

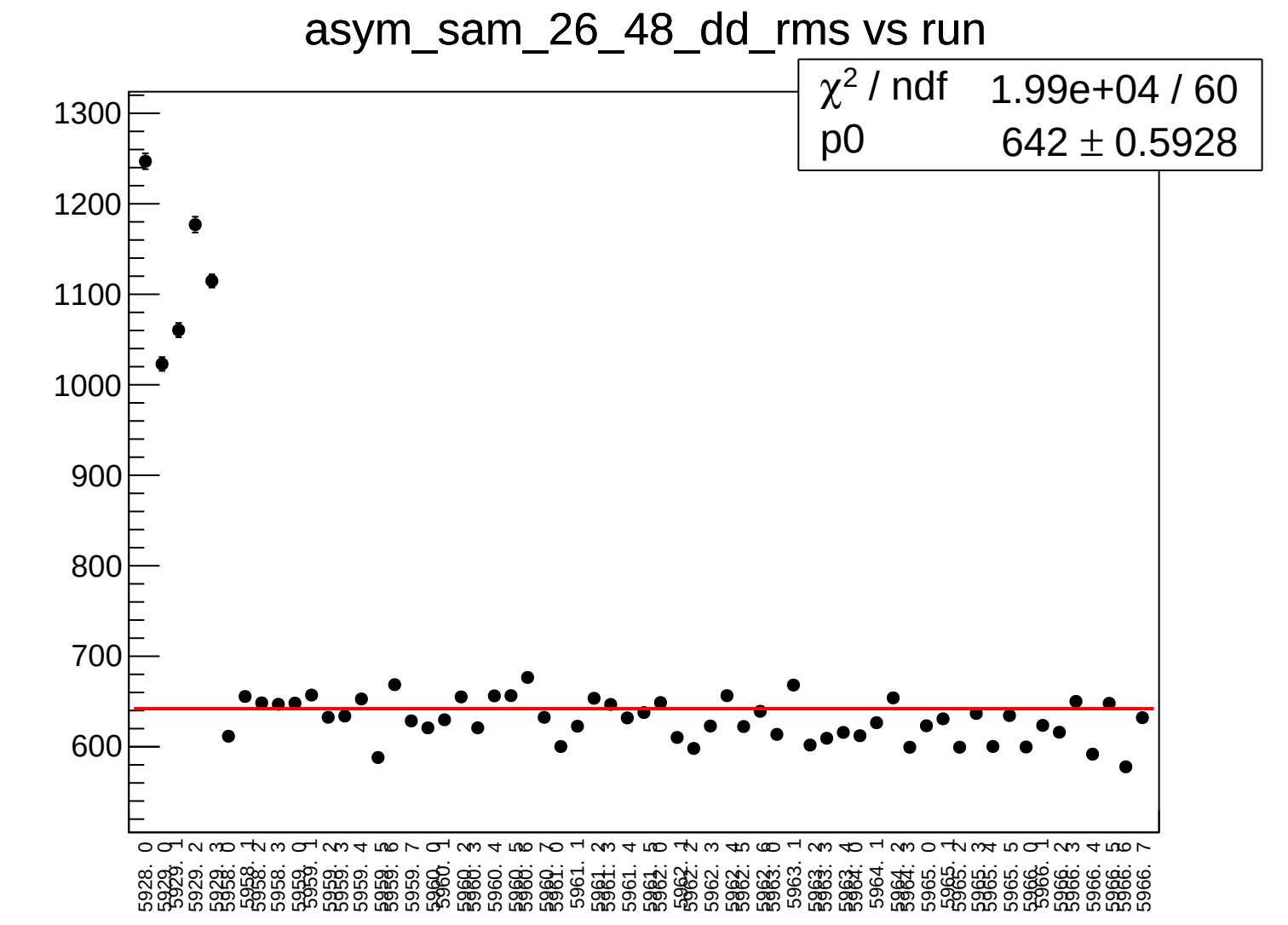

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 58.56 / 60
p0 −232 ± 836.7
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 714.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

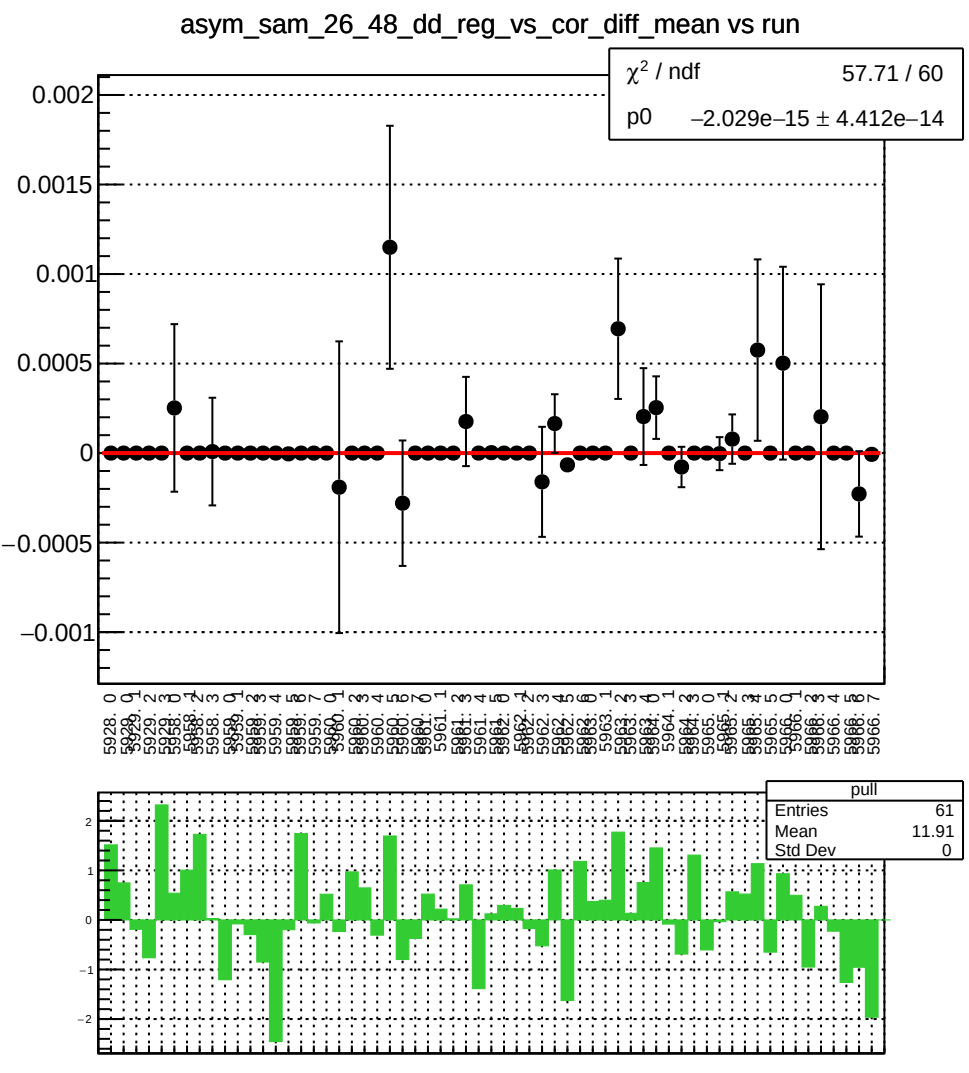

pull1D
Entries 61
Mean 0.003809
Std Dev 0.9798
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

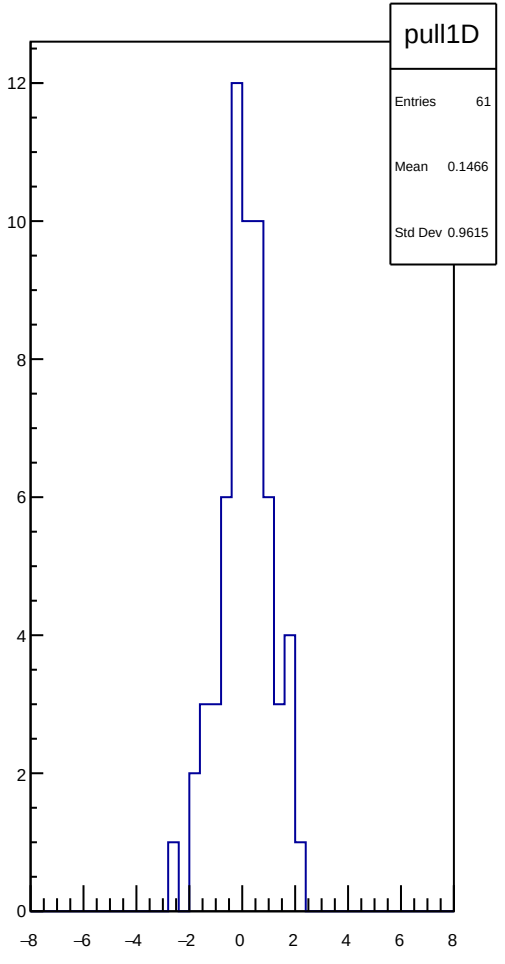

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.905e+04 / 60
p0 641 ± 0.5916
1300
1200
1100
1000
900
800
700
600

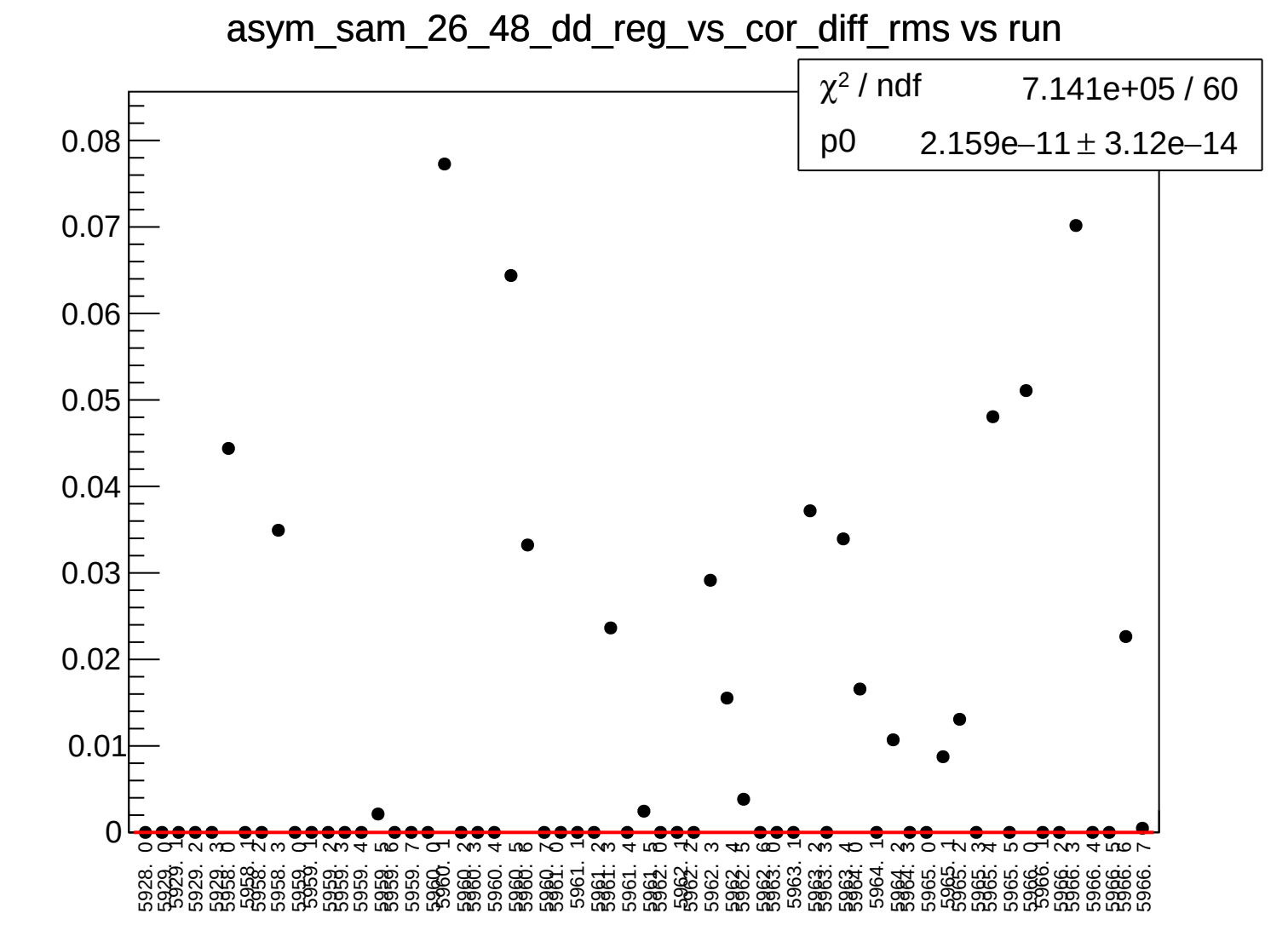

asym_sam_26_48_dd_mean vs run
χ² / ndf 61.04 / 60
p0 −38.99 ± 838.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 1314
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

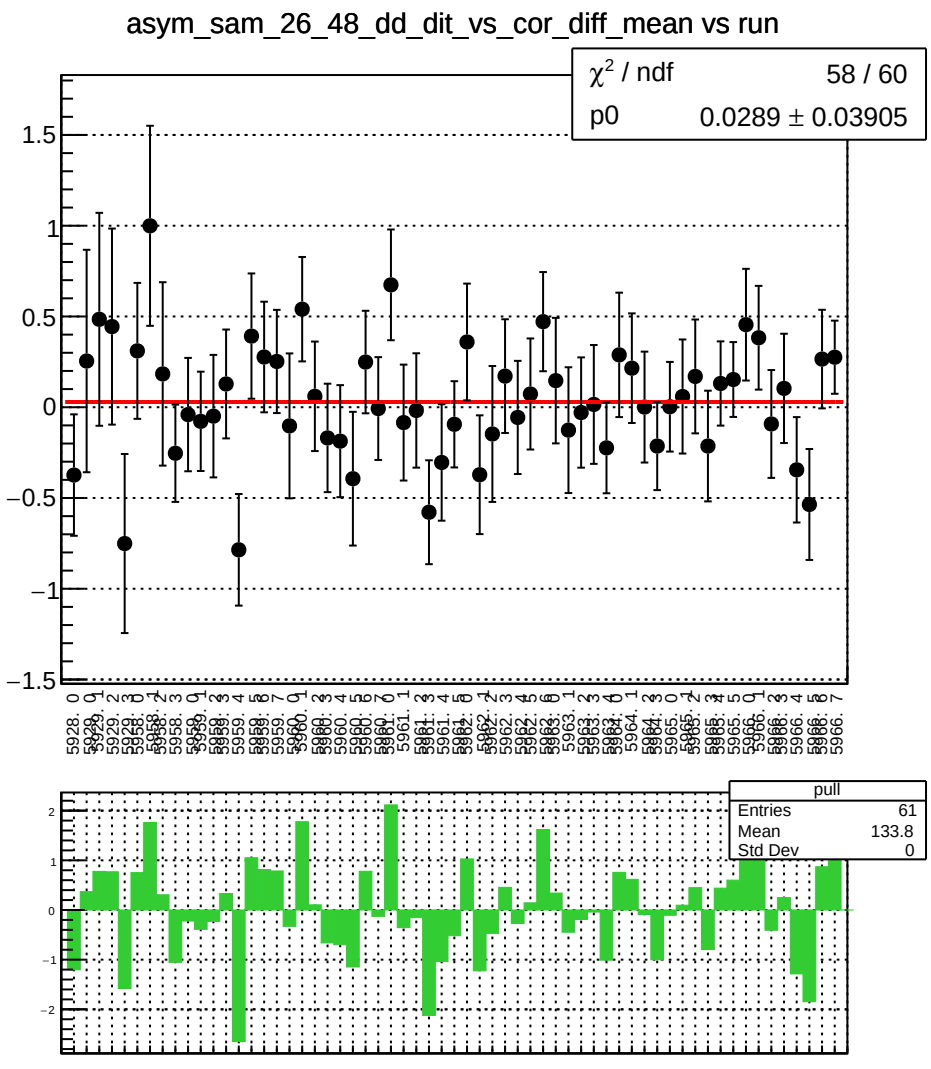

pull1D
Entries 61
Mean −0.001906
Std Dev 1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

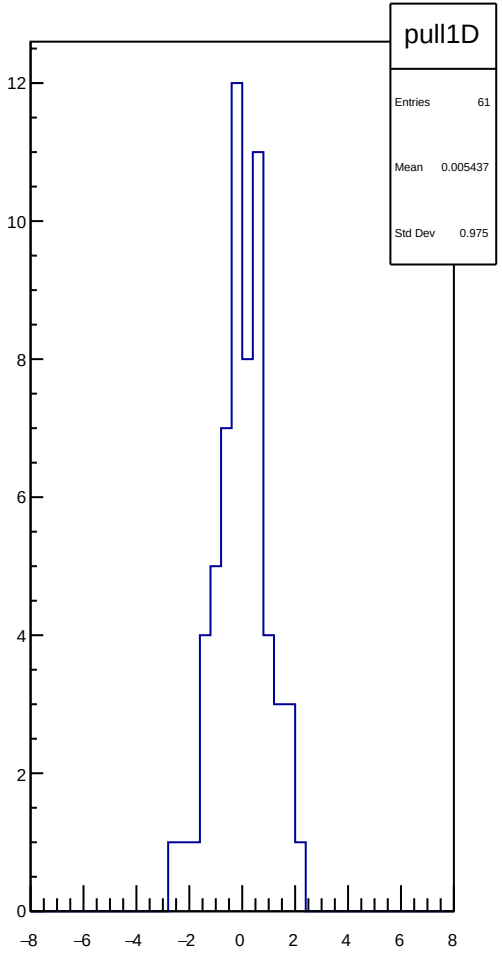

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.99e+04 / 60
p0 642 ± 0.5928
1300
1200
1100
1000
900
800
700
600

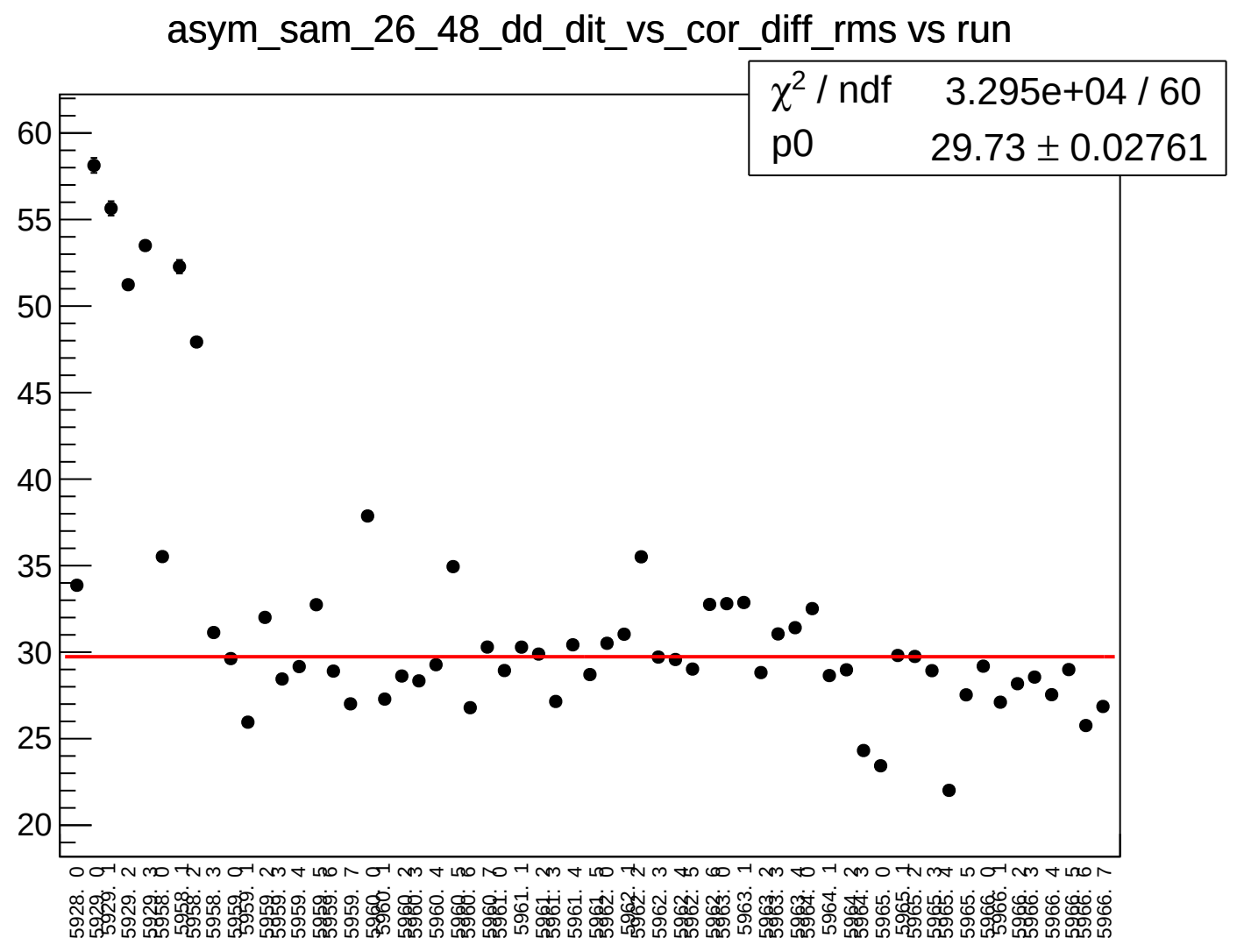

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.71 / 60
p0 −2.029e−15 ± 4.412e−14
pull
Entries 61
Mean 11.91
Std Dev 0

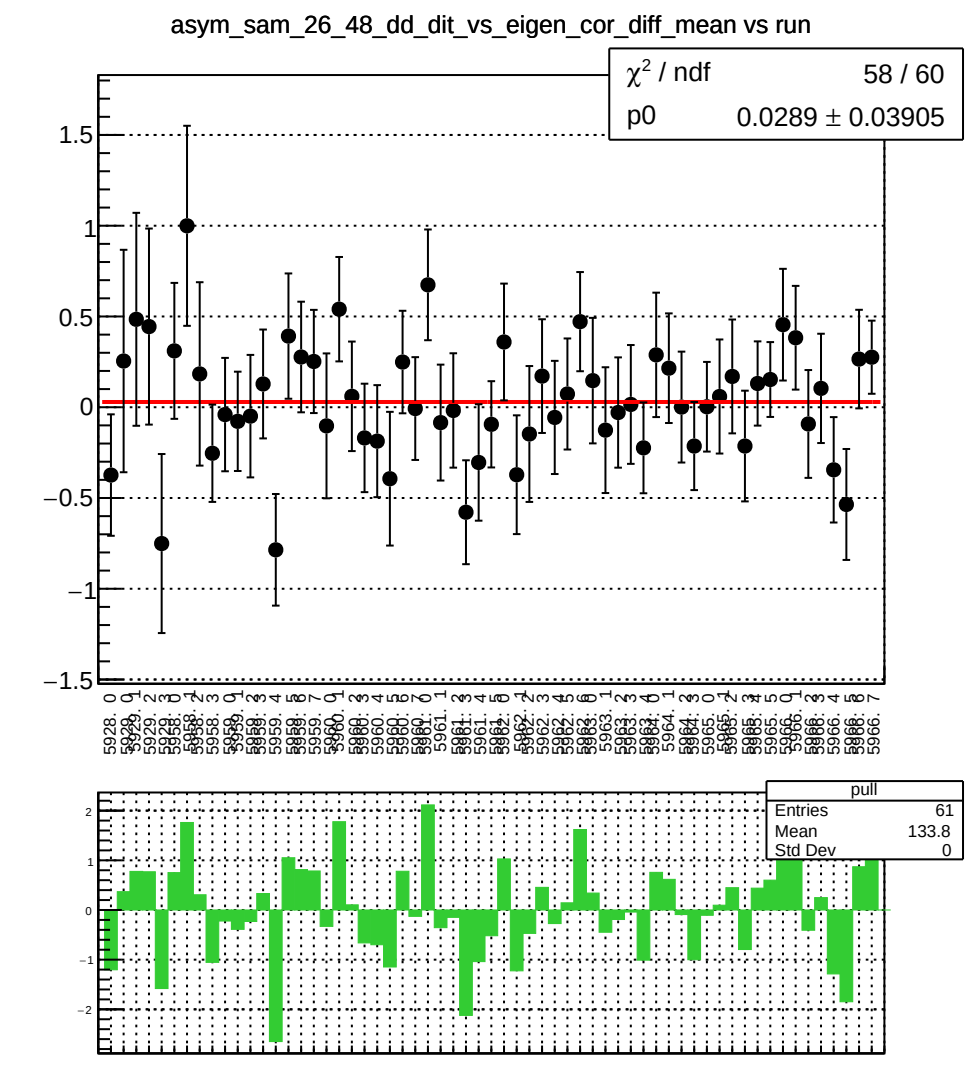

pull1D
Entries 61
Mean 0.1466
Std Dev 0.9615

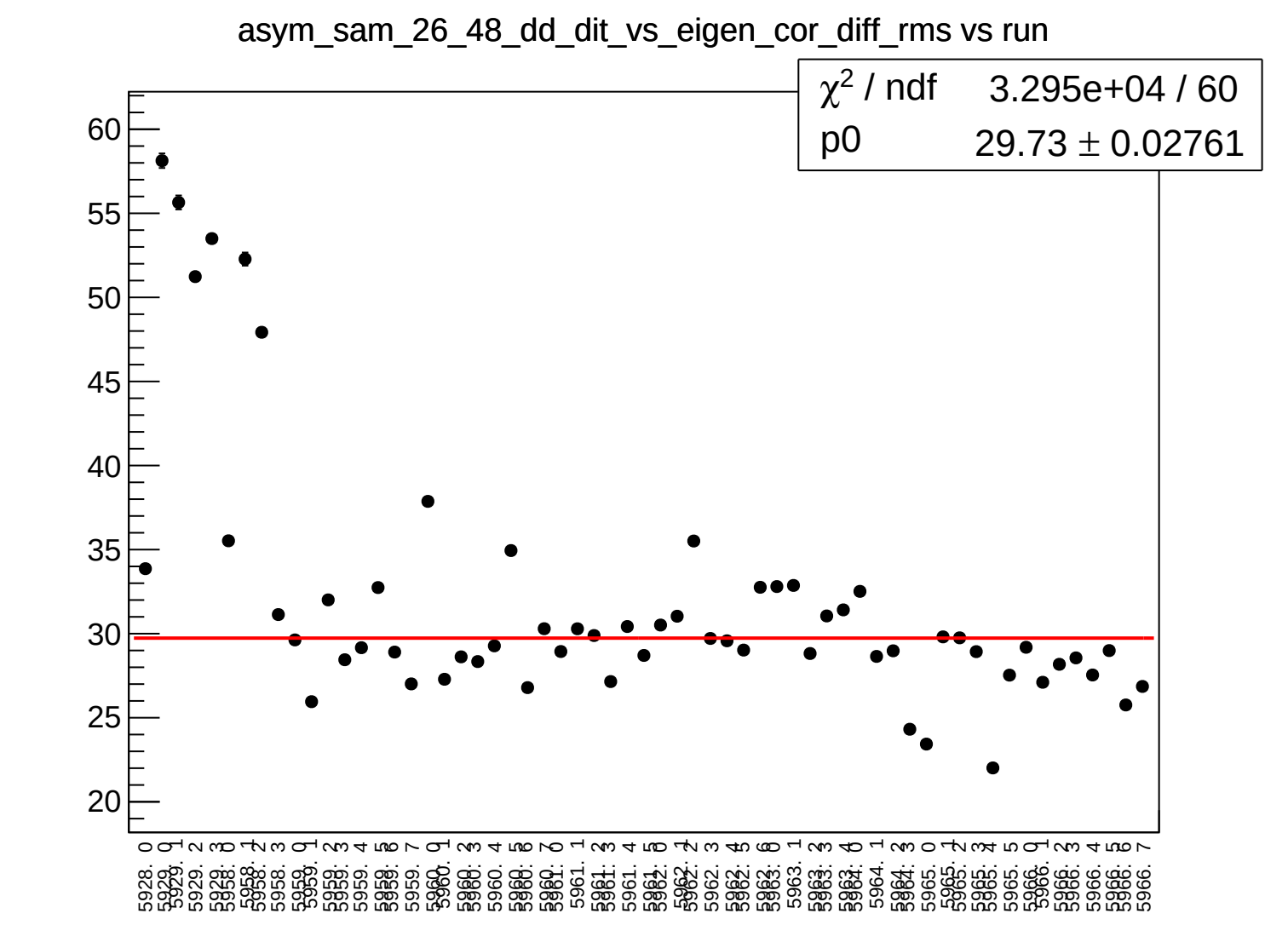

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.141e+05 / 60
p0 2.159e−11 ± 3.12e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

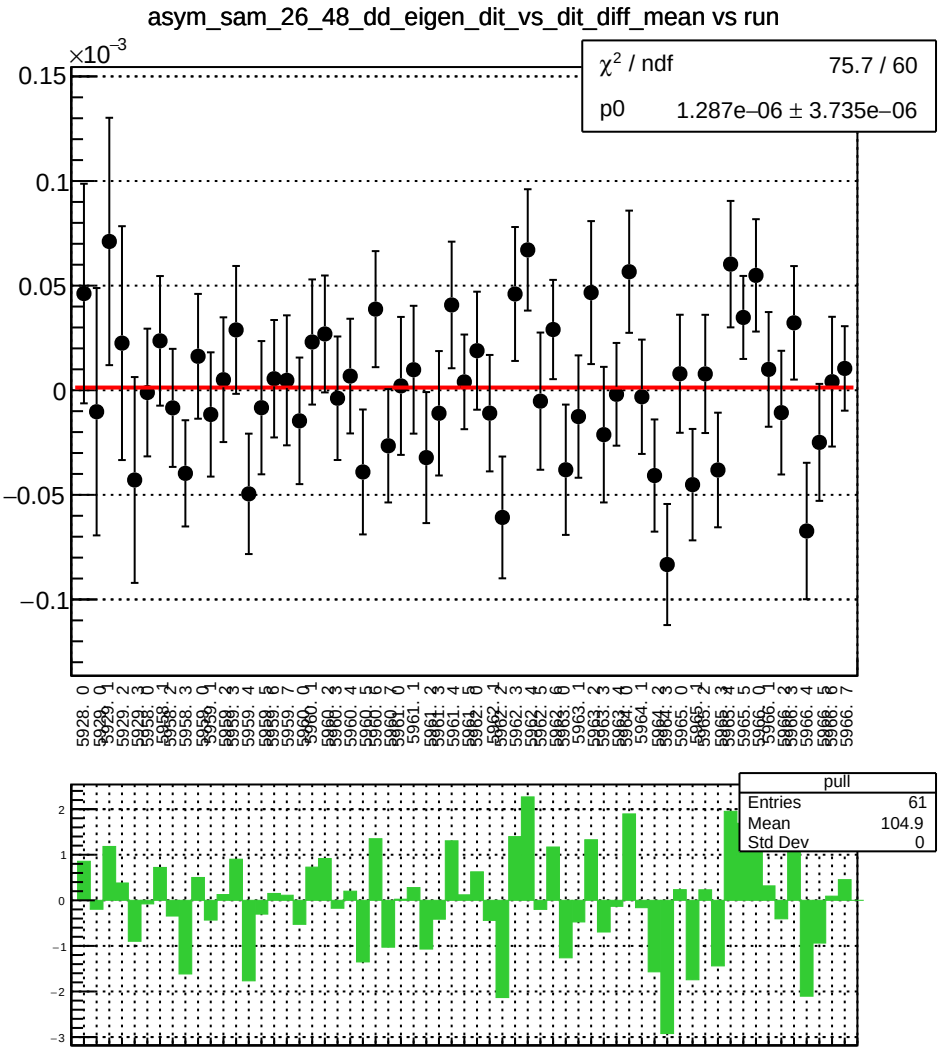

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 58 / 60
p0 0.0289 ± 0.03905
pull
Entries 61
Mean 133.8
Std Dev 0

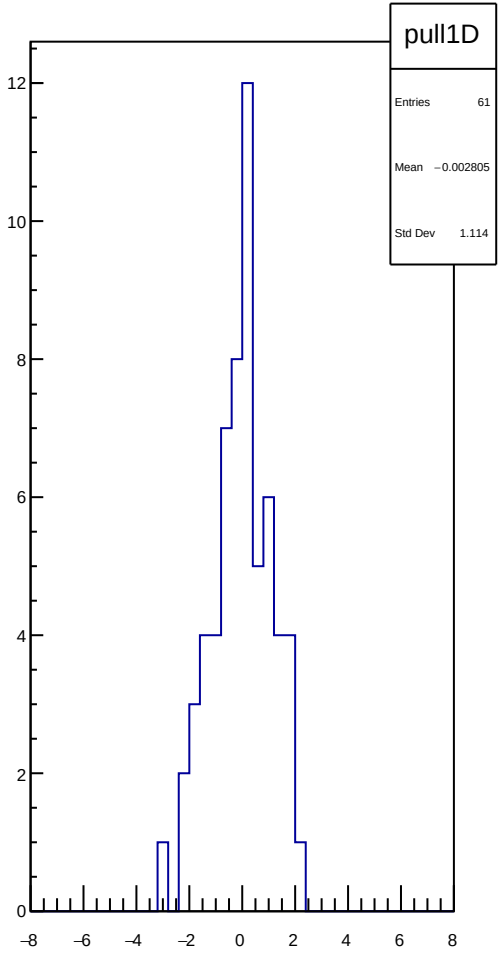

pull1D
Entries 61
Mean 0.005437
Std Dev 0.975

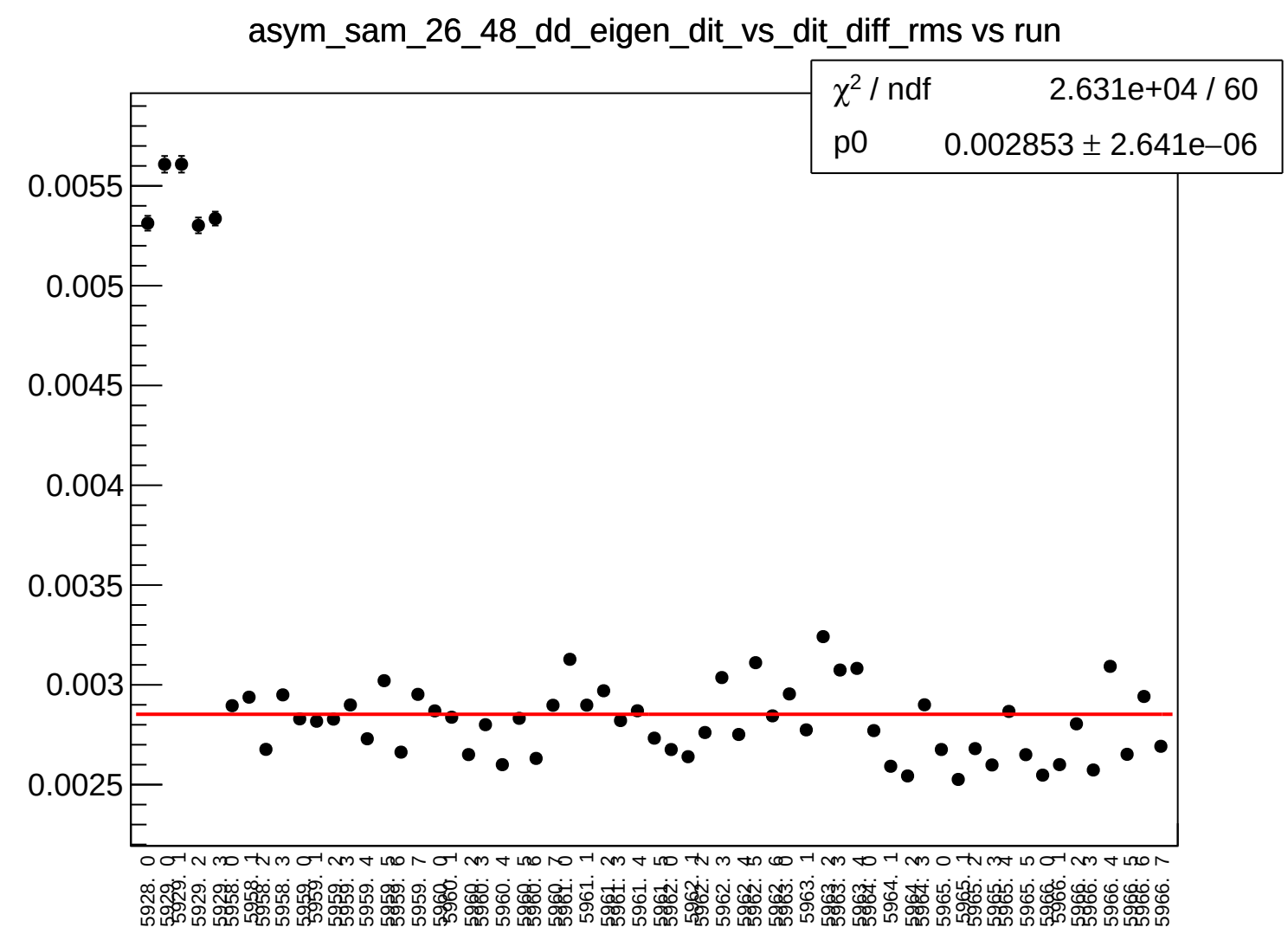

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.295e+04 / 60
p0 29.73 ± 0.02761
60
55
50
45
40
35
30
25
20

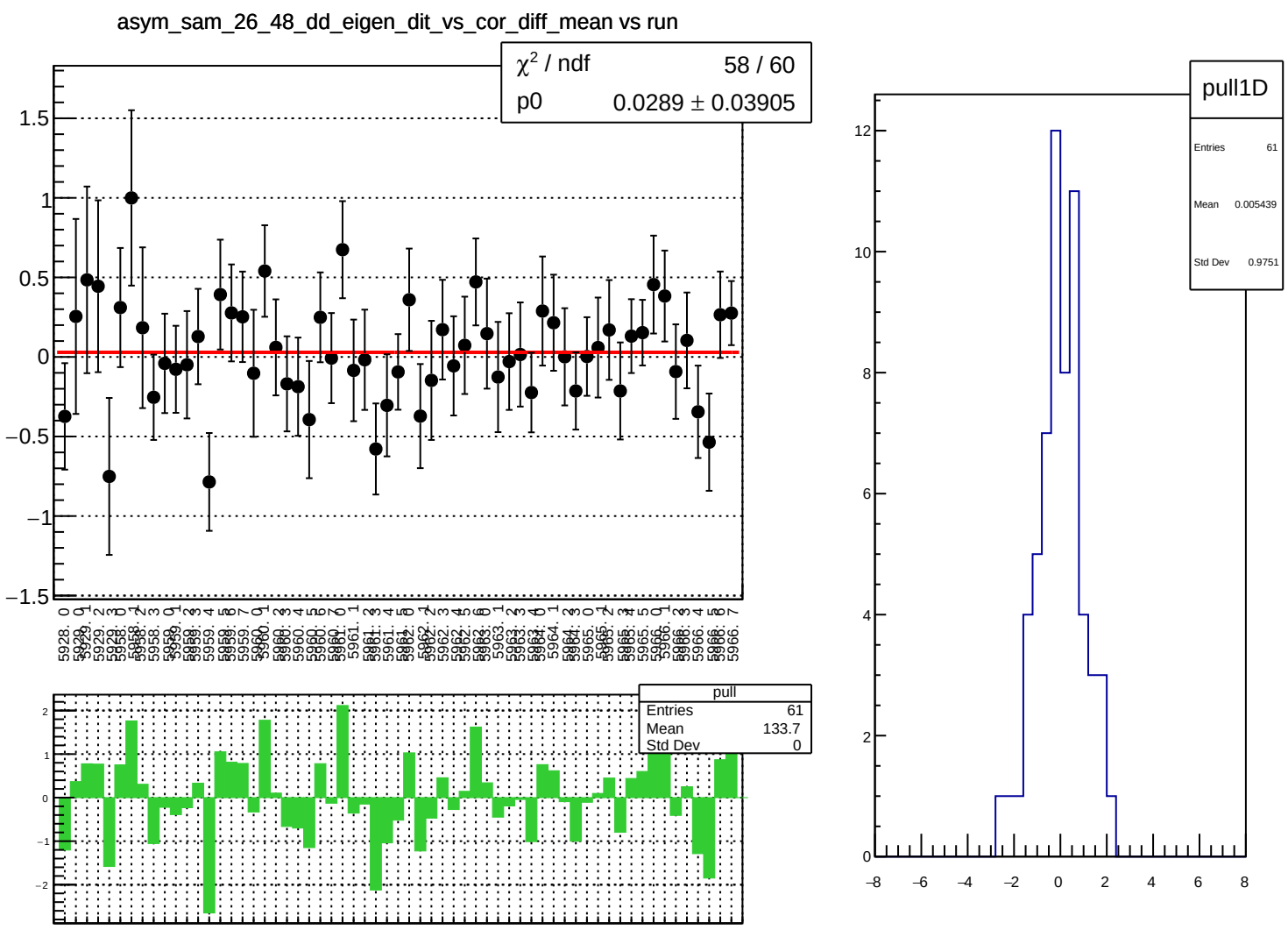

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58 / 60
p0 0.0289 ± 0.03905
pull
Entries 61
Mean 133.8
Std Dev 0
pull1D
Entries 61
Mean 0.005437
Std Dev 0.975

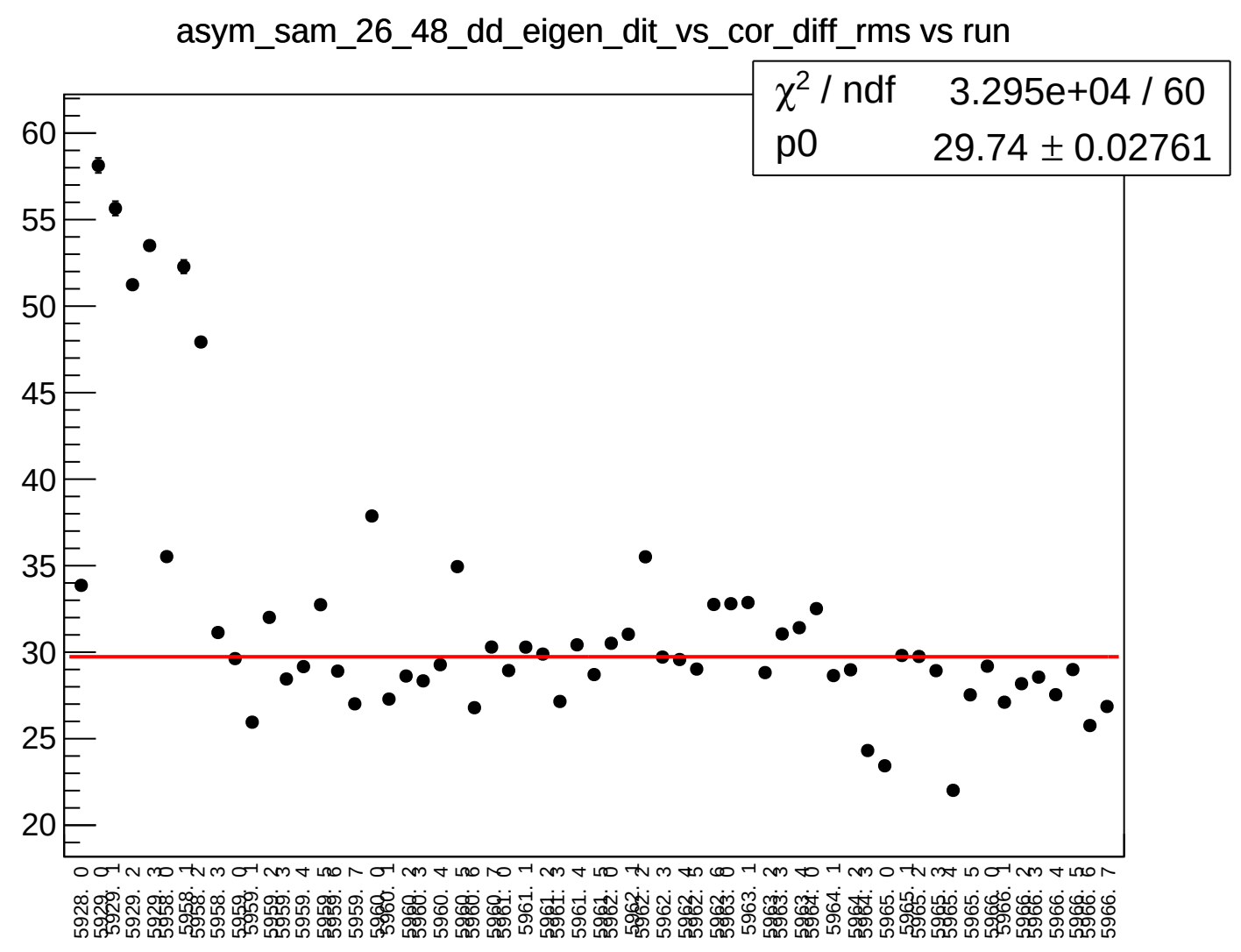

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.295e+04 / 60
p0 29.73 ± 0.02761
60
55
50
45
40
35
30
25
20

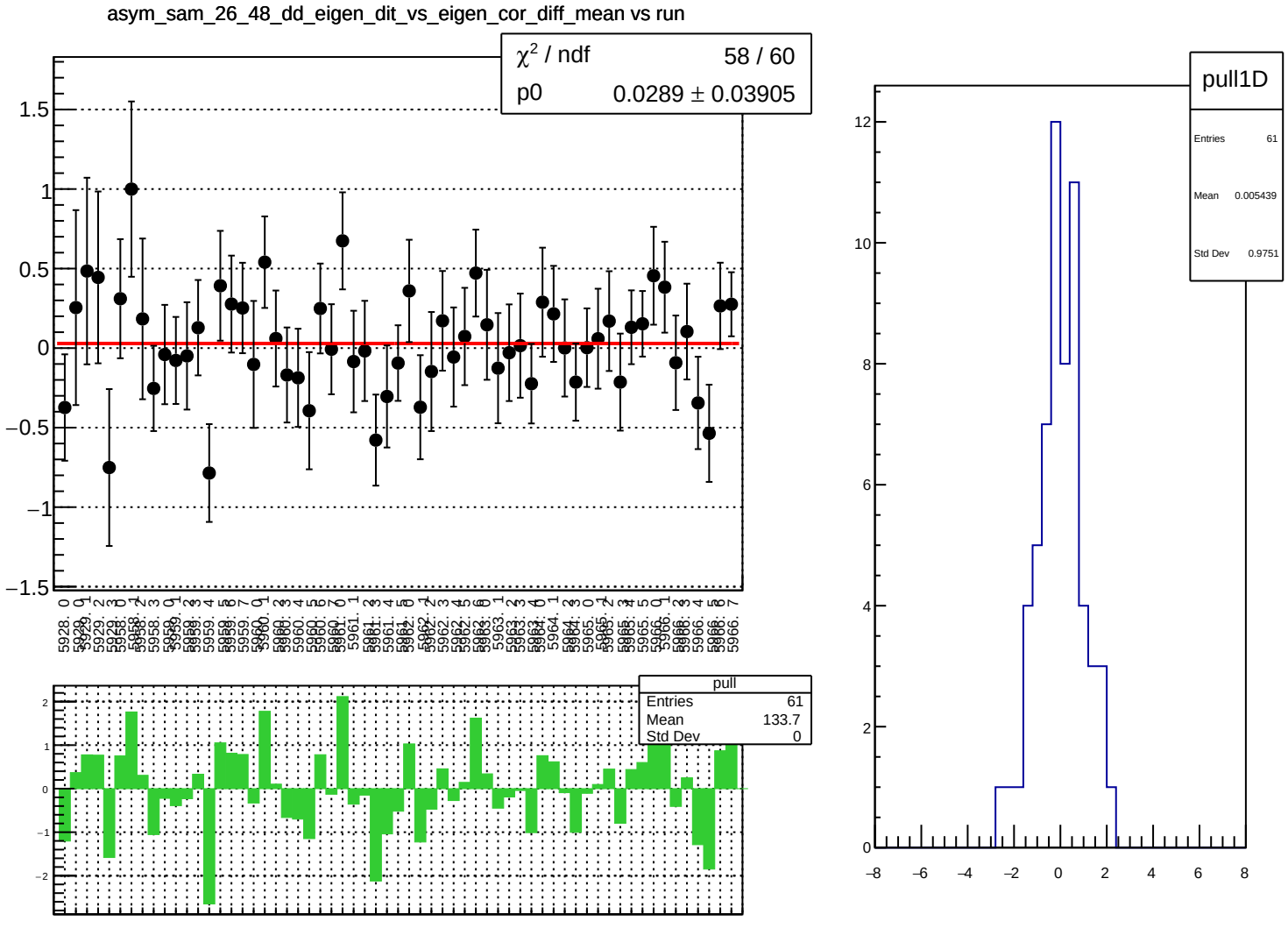

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.7 / 60
p0 1.287e−06 ± 3.735e−06
pull
Entries 61
Mean 104.9
Std Dev 0

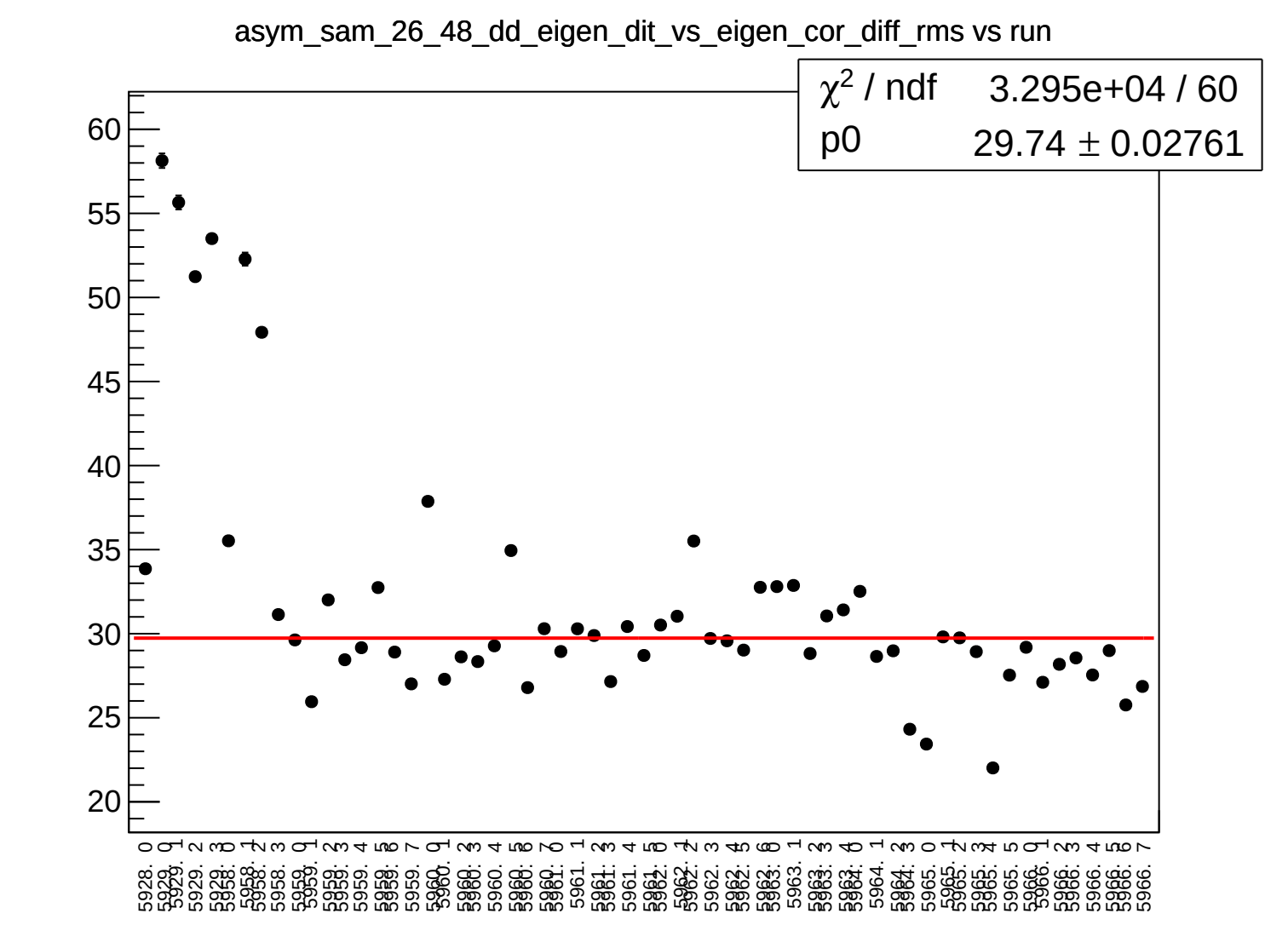

pull1D
Entries 61
Mean −0.002805
Std Dev 1.114

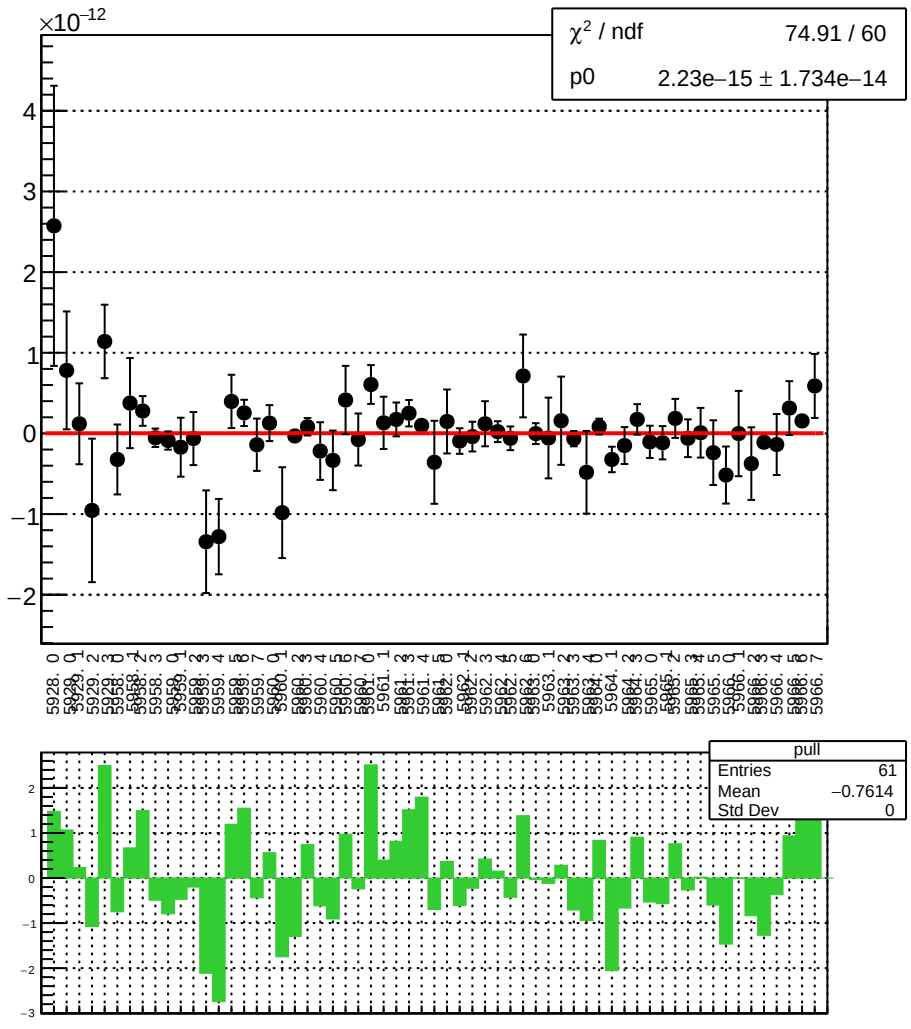

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.631e+04 / 60
p0 0.002853 ± 2.641e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

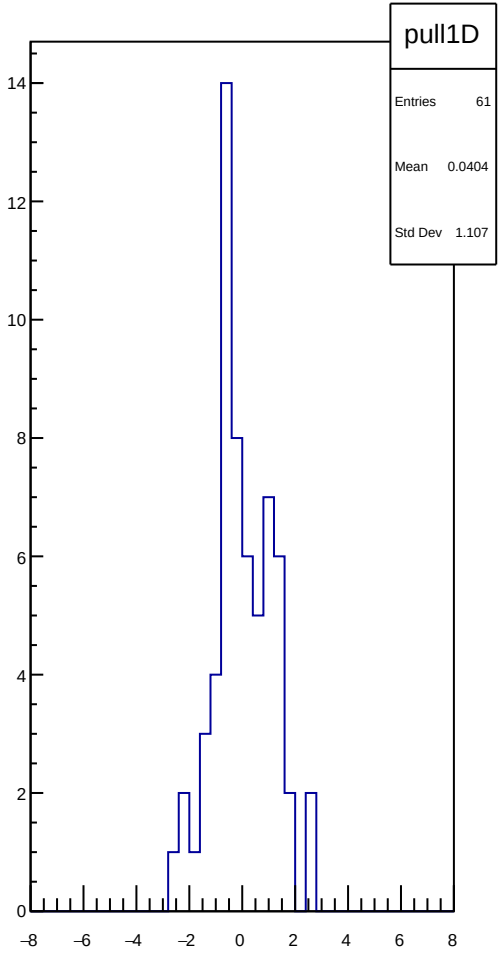

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58 / 60
p0 0.0289 ± 0.03905
pull
Entries 61
Mean 133.7
Std Dev 0
pull1D
Entries 61
Mean 0.005439
Std Dev 0.9751

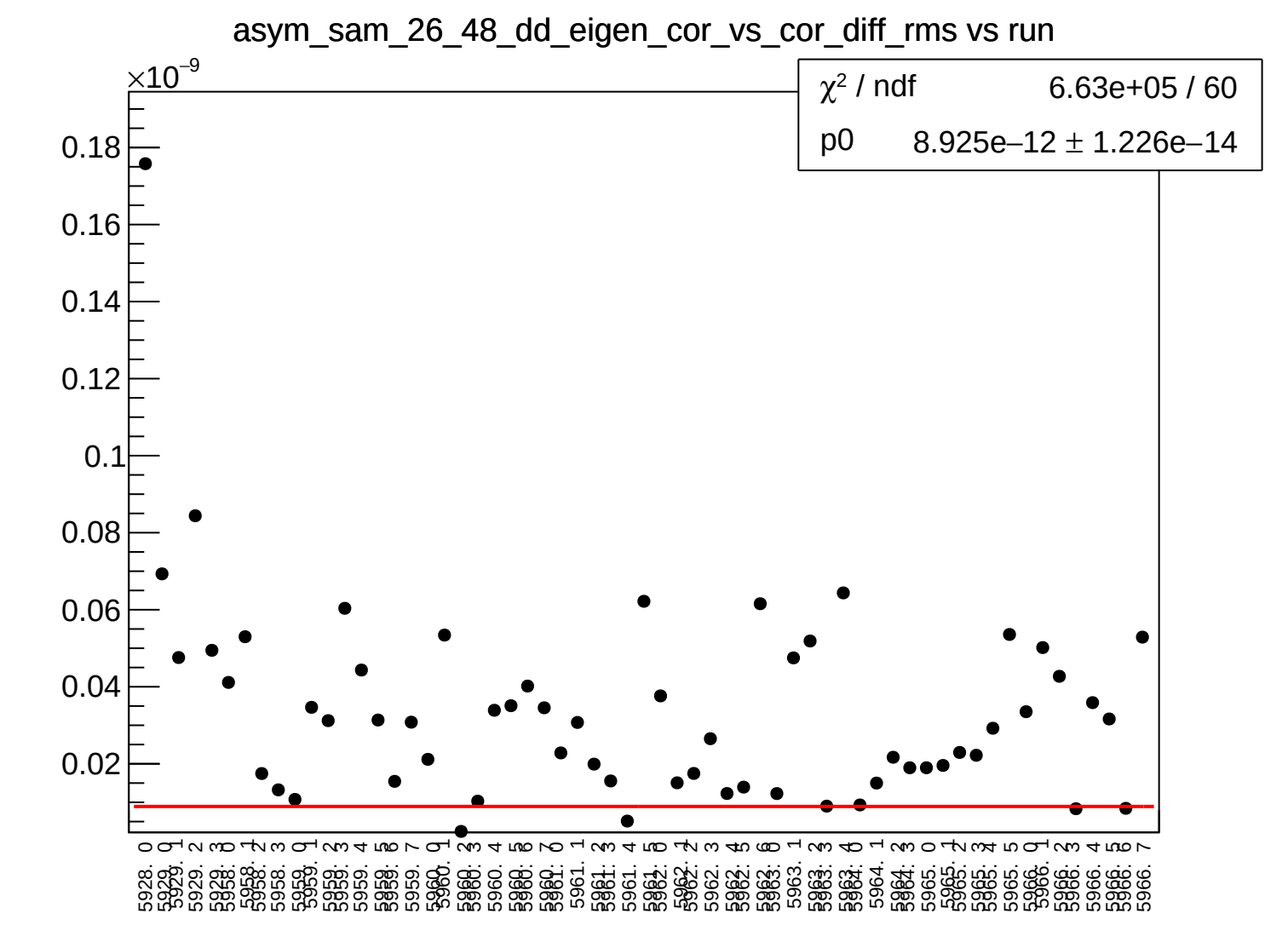

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.295e+04 / 60
p0 29.74 ± 0.02761
60
55
50
45
40
35
30
25
20

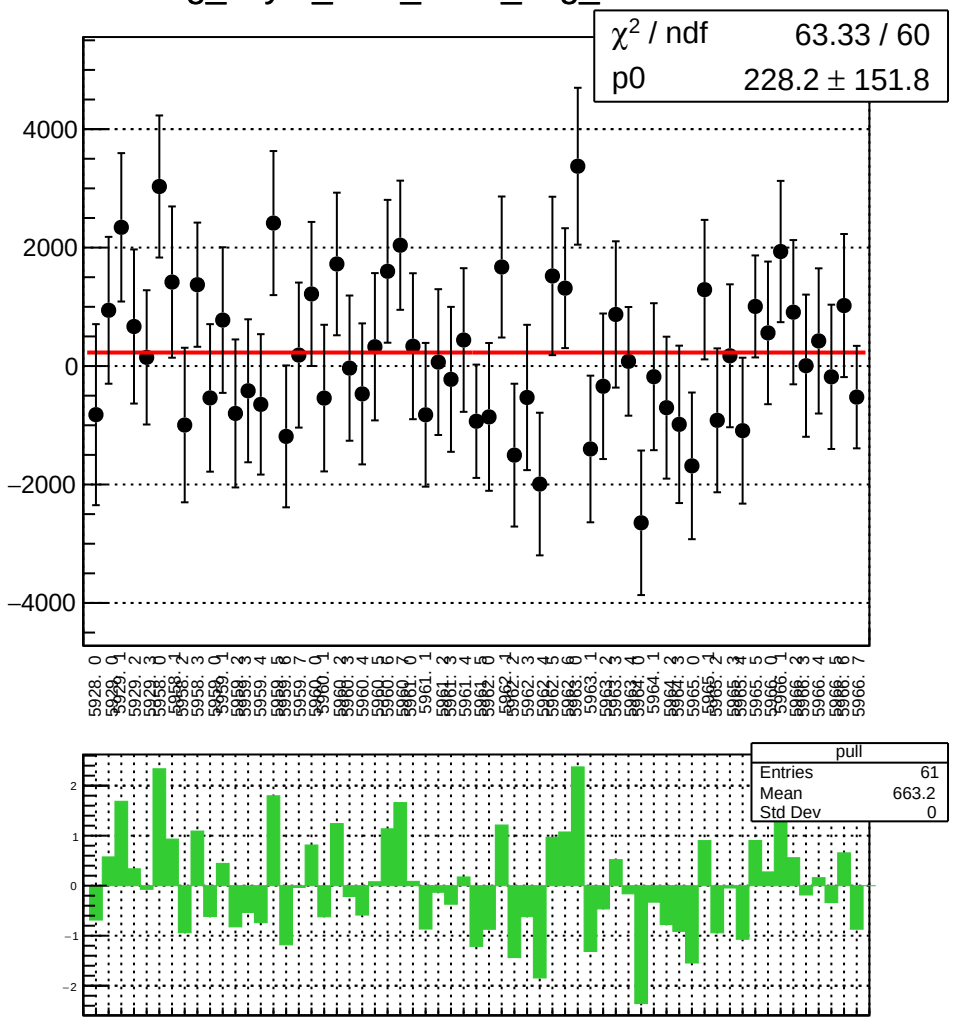

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58 / 60
p0 0.0289 ± 0.03905
pull
Entries 61
Mean 133.7
Std Dev 0
pull1D
Entries 61
Mean 0.005439
Std Dev 0.9751

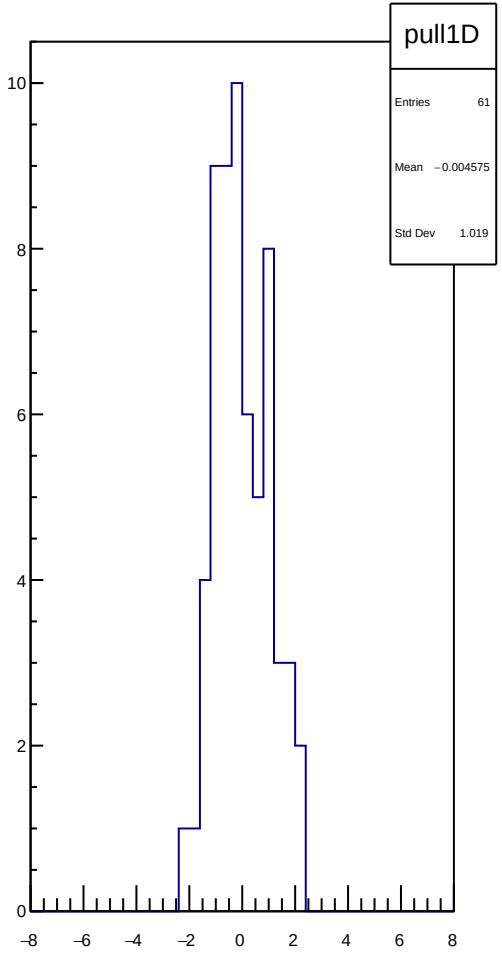

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.295e+04 / 60
p0 29.74 ± 0.02761
60
55
50
45
40
35
30
25
20

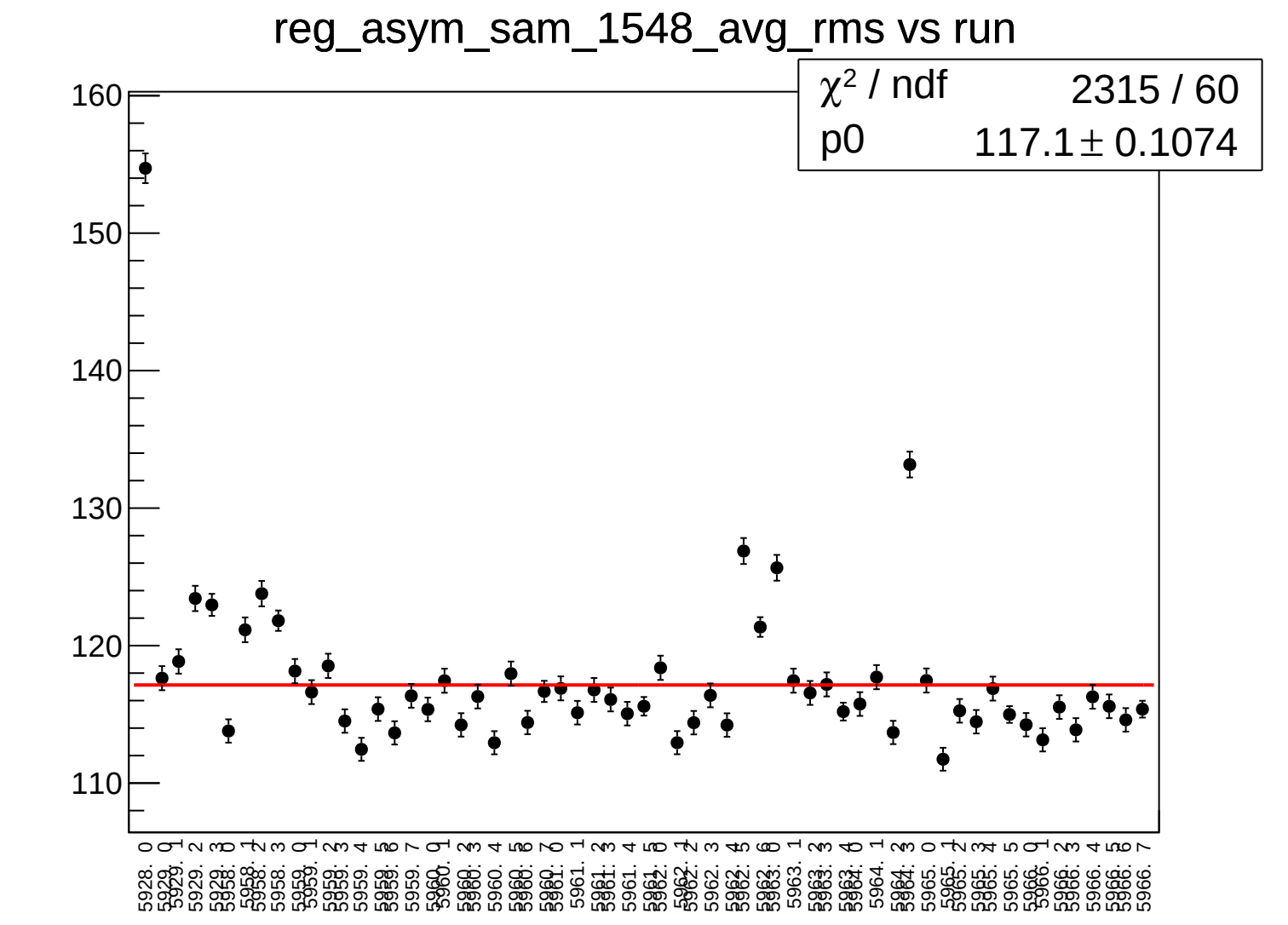

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.91 / 60
p0 2.23e−15 ± 1.734e−14
pull
Entries 61
Mean −0.7614
Std Dev 0

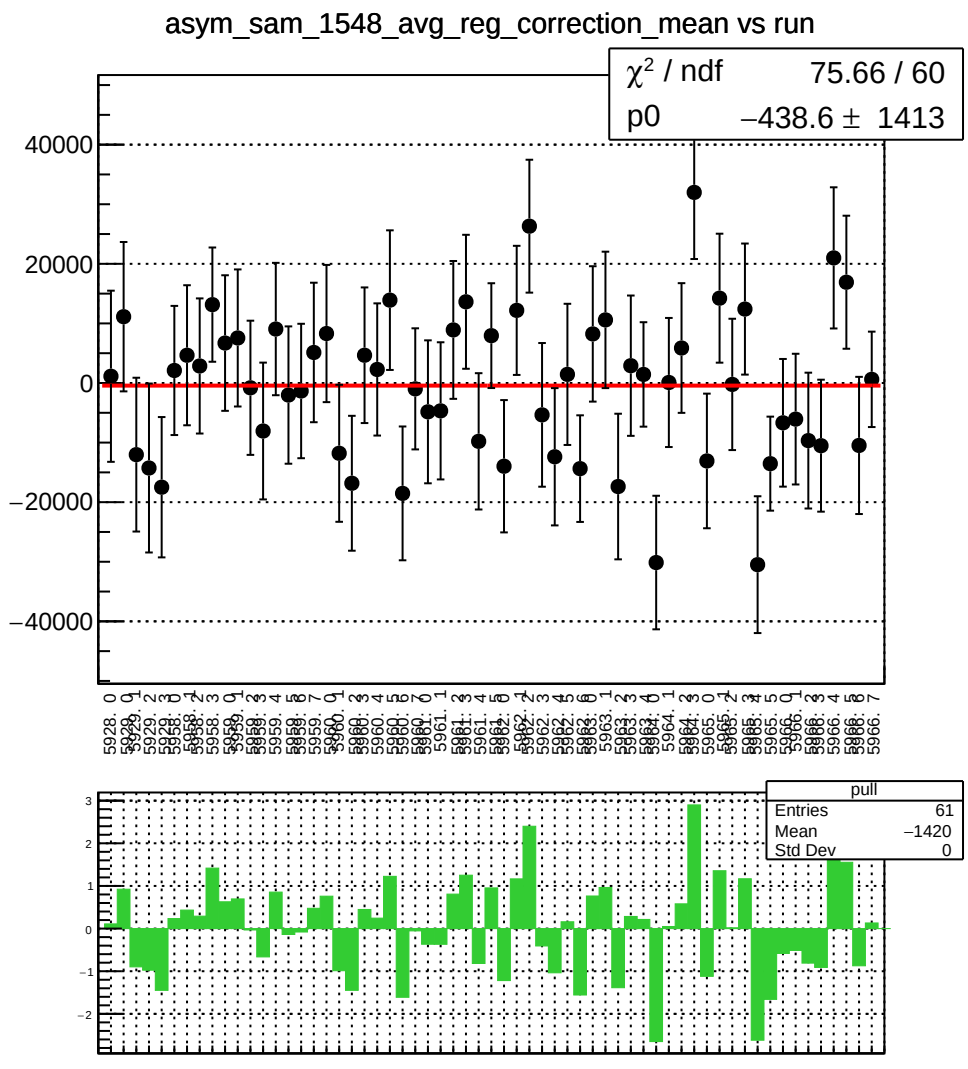

pull1D
Entries 61
Mean 0.0404
Std Dev 1.107

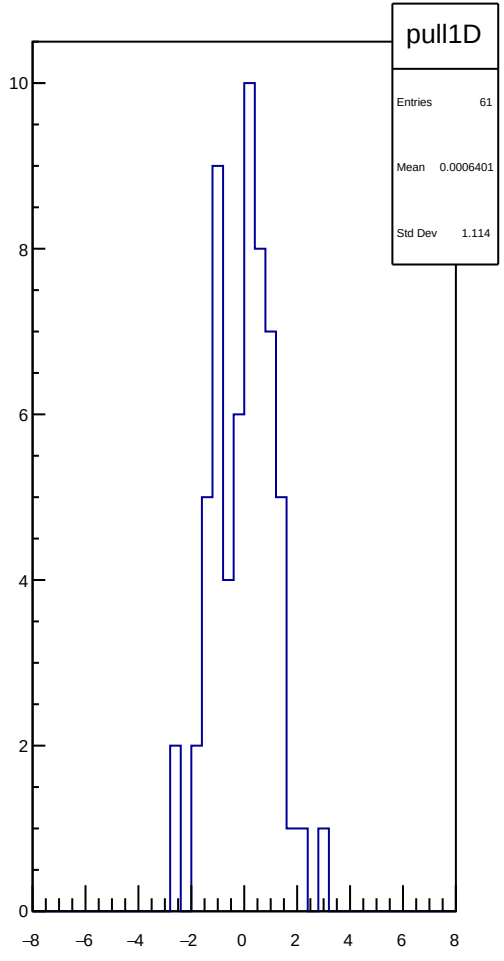

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.63e+05 / 60
p0 8.925e−12 ± 1.226e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

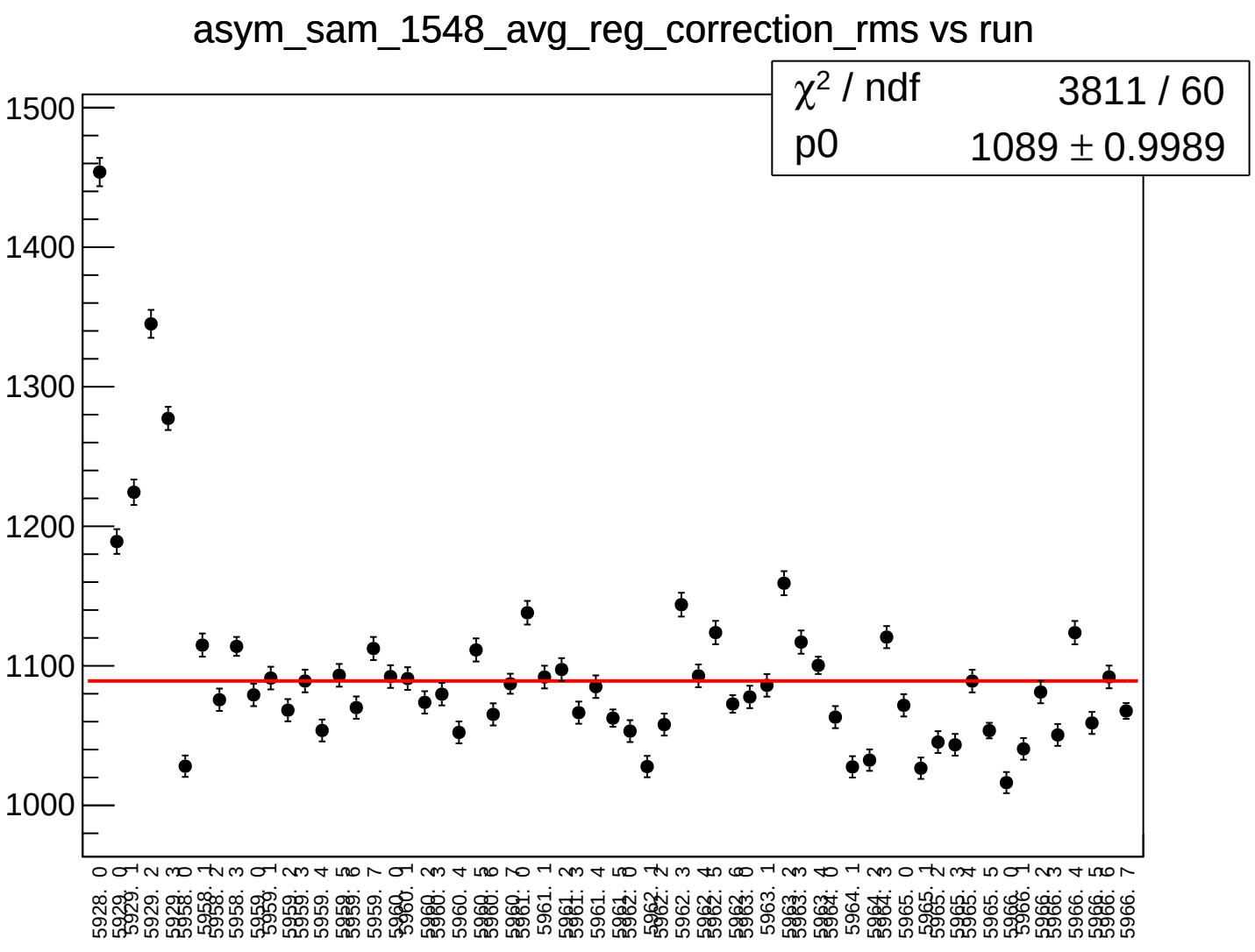

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 63.33 / 60
p0 228.2 ± 151.8
4000
2000
0
−2000
−4000
pull
Entries 61
Mean 663.2
Std Dev 0
2
1
0
−1
−2

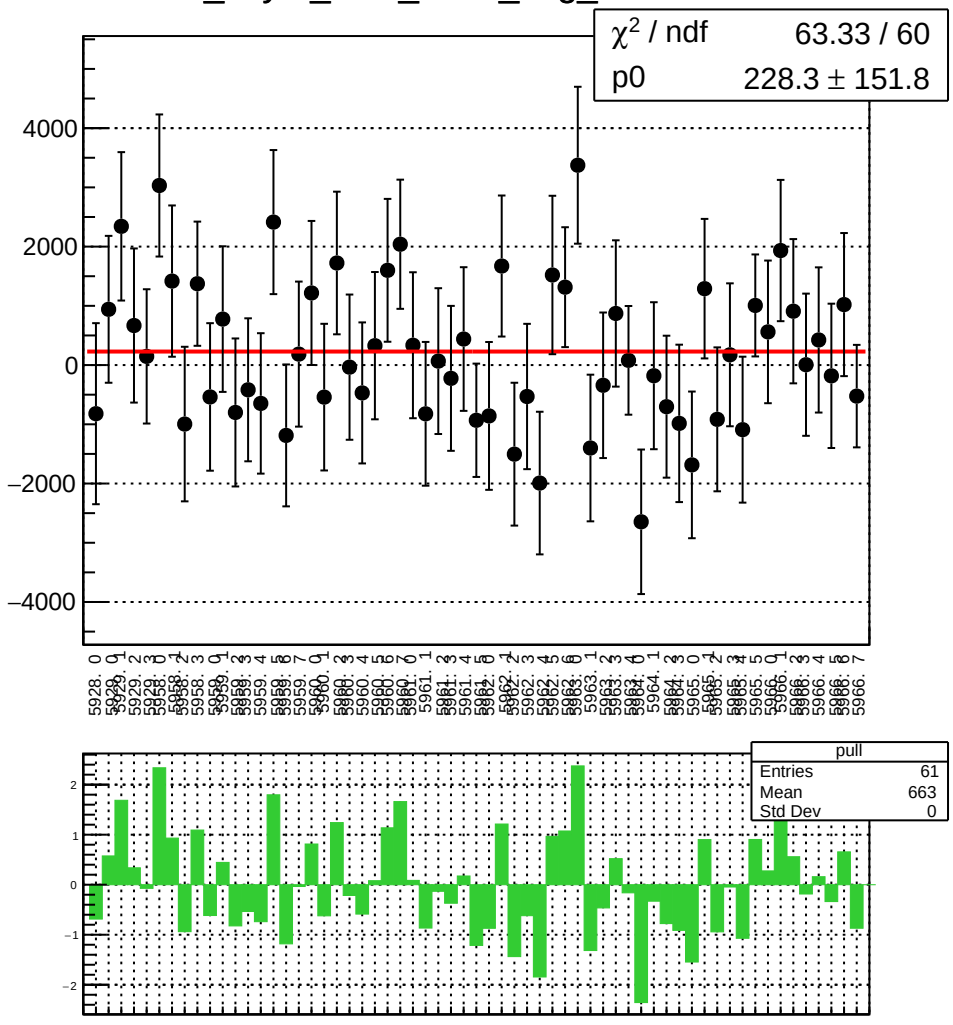

pull1D
Entries 61
Mean −0.004575
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

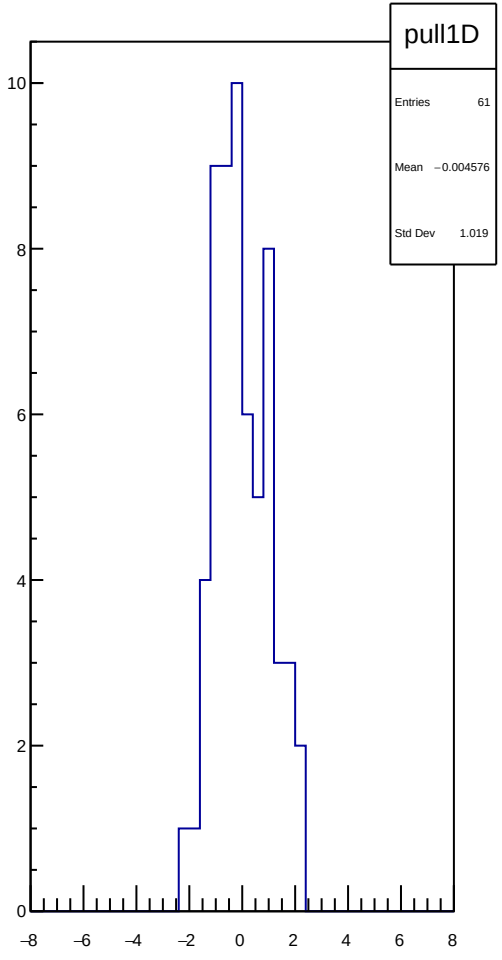

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 2315 / 60
p0 117.1 ± 0.1074
160
150
140
130
120
110

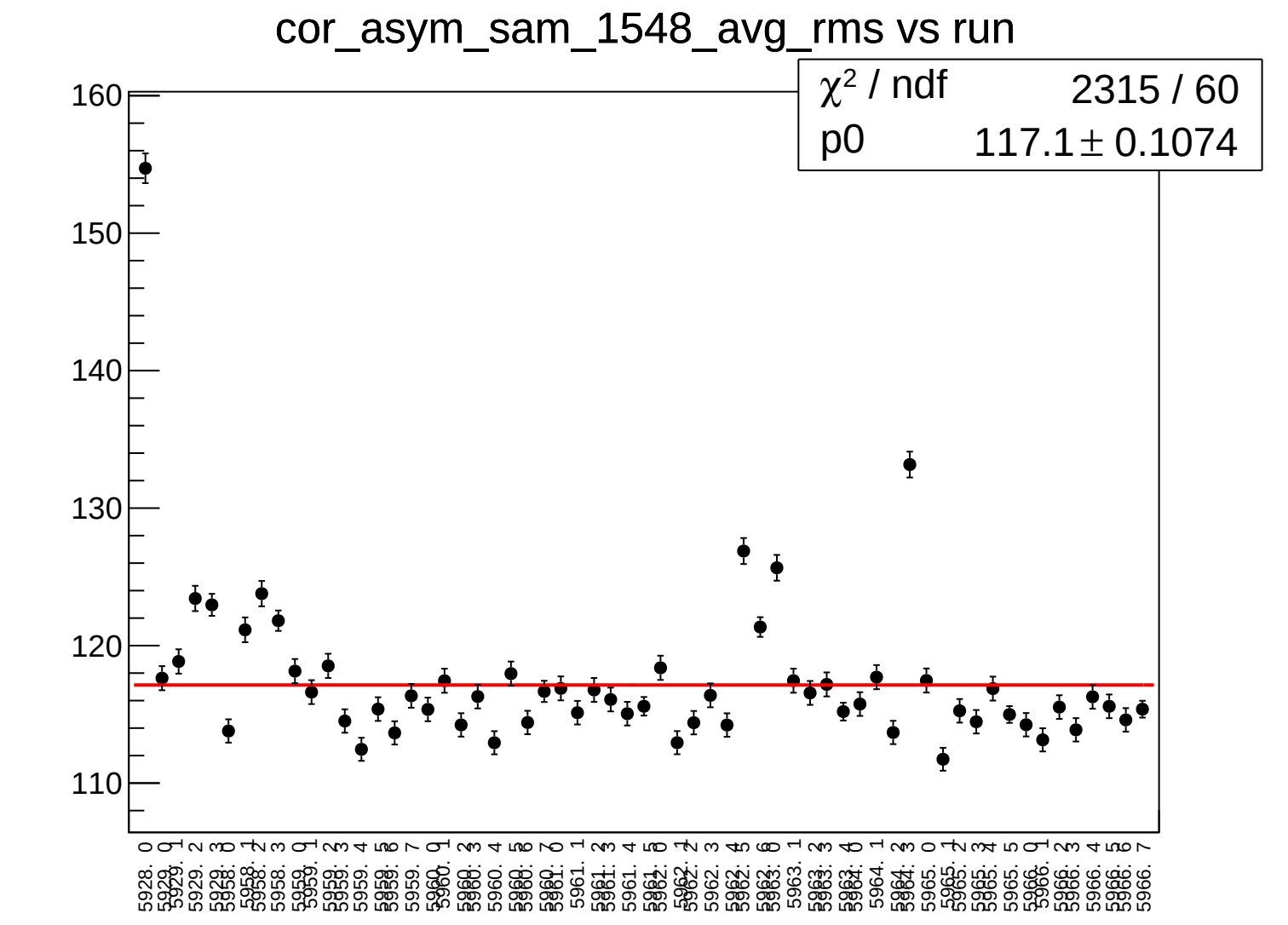

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 75.66 / 60
p0 −438.6 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1420
Std Dev 0
3
2
1
0
−1
−2

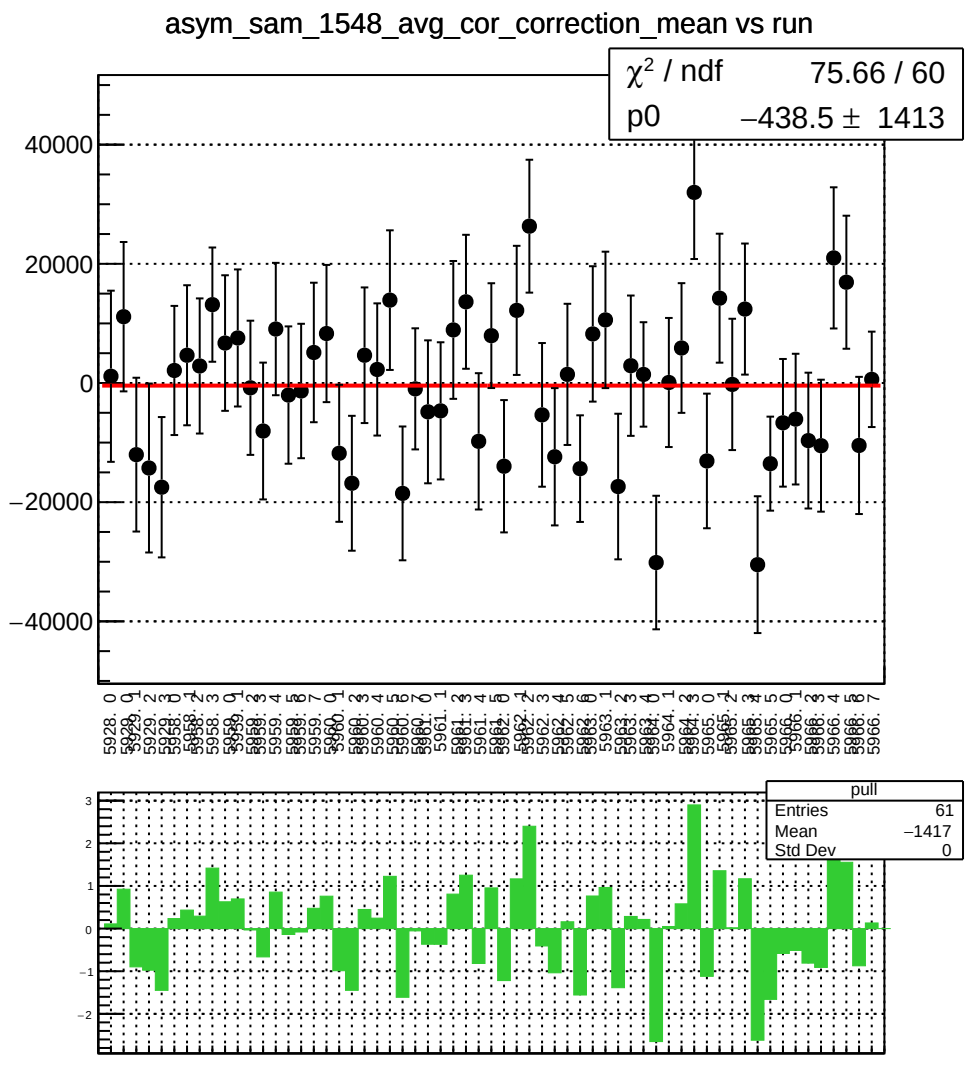

pull1D
Entries 61
Mean 0.0006401
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

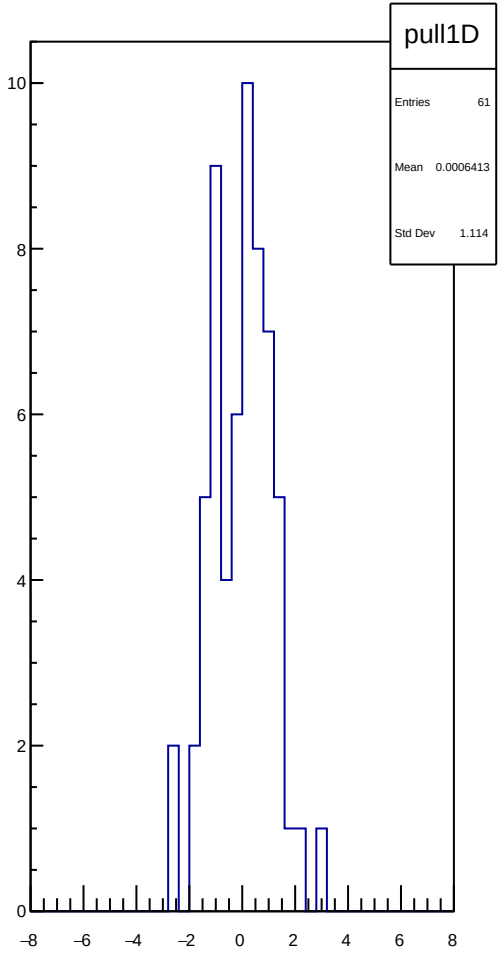

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 3811 / 60
p0 1089 ± 0.9989
1500
1400
1300
1200
1100
1000

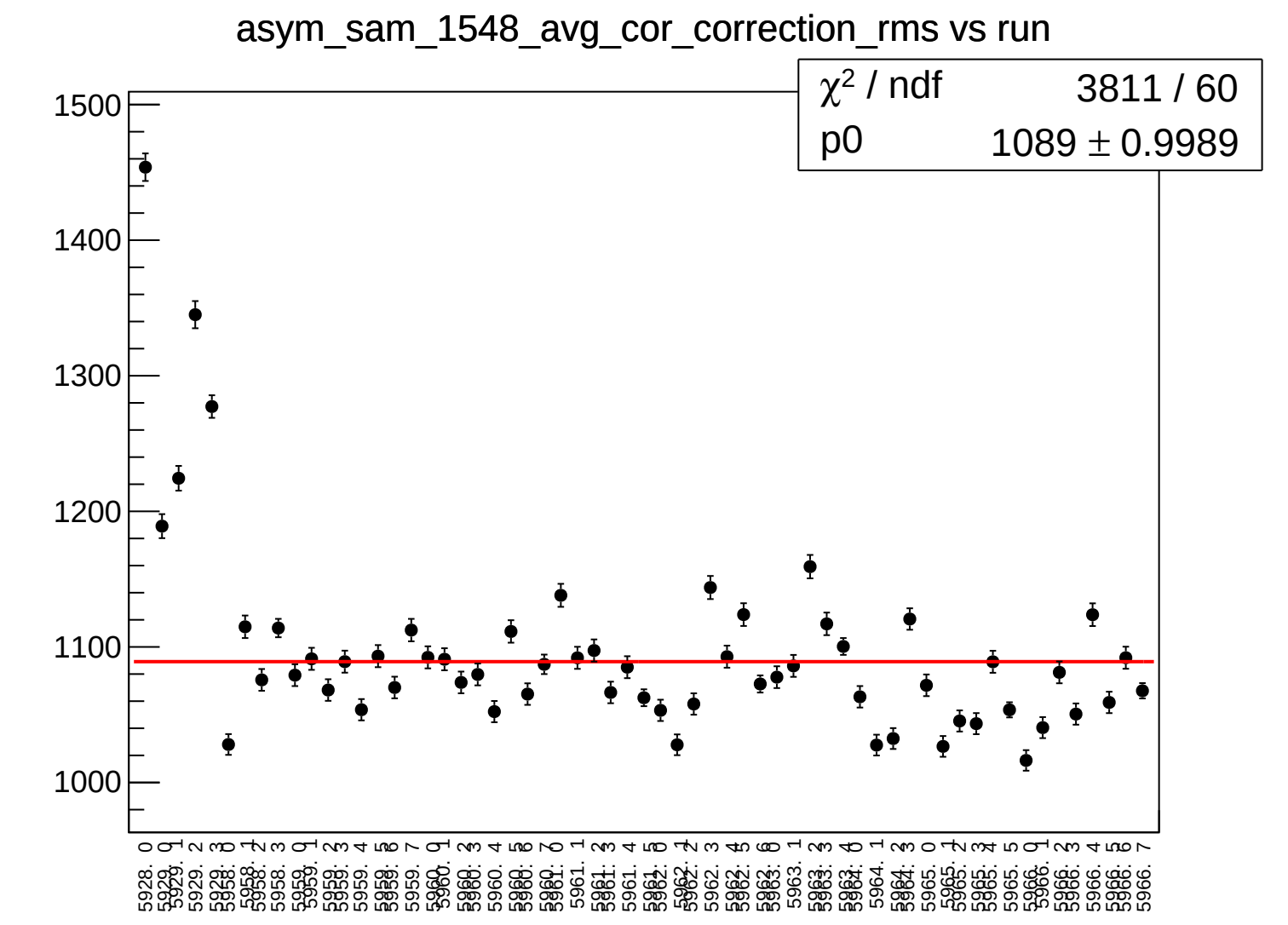

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 63.33 / 60
p0 228.3 ± 151.8
4000
2000
0
−2000
−4000
pull
Entries 61
Mean 663
Std Dev 0
2
1
0
−1
−2

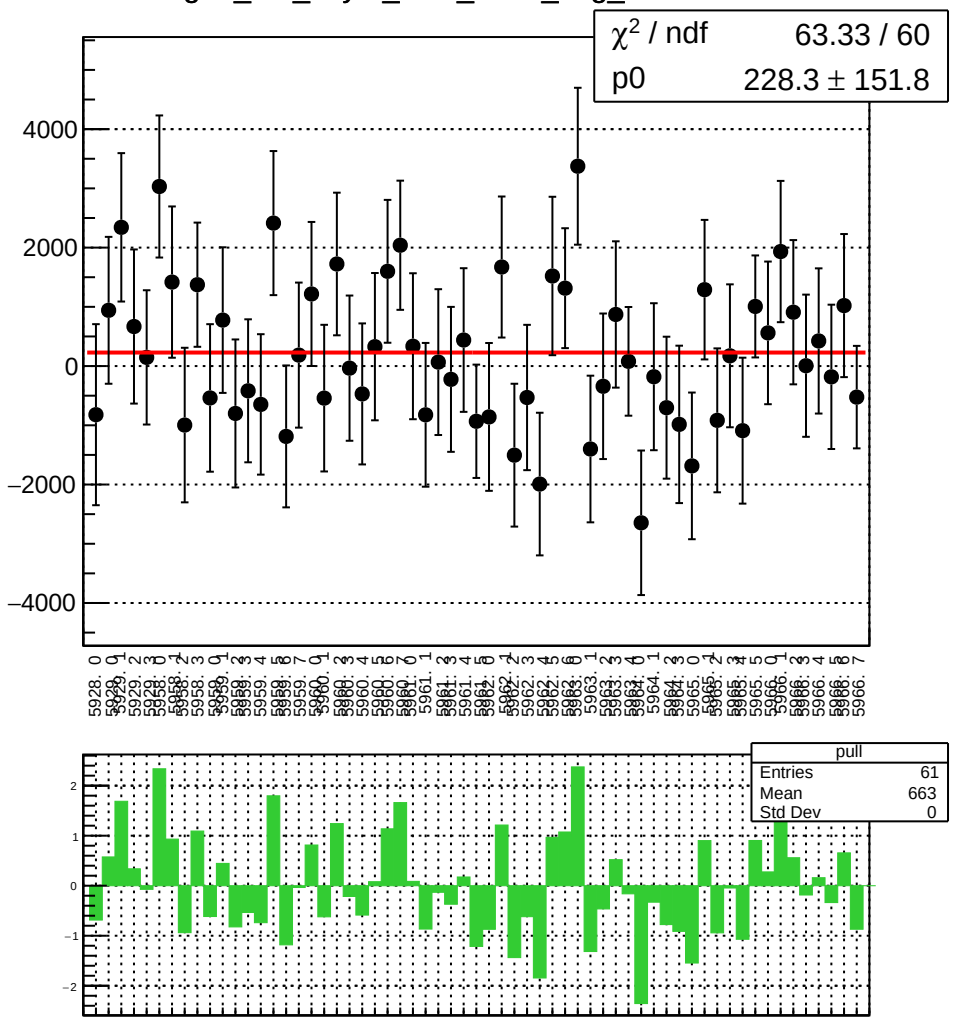

pull1D
Entries 61
Mean −0.004576
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

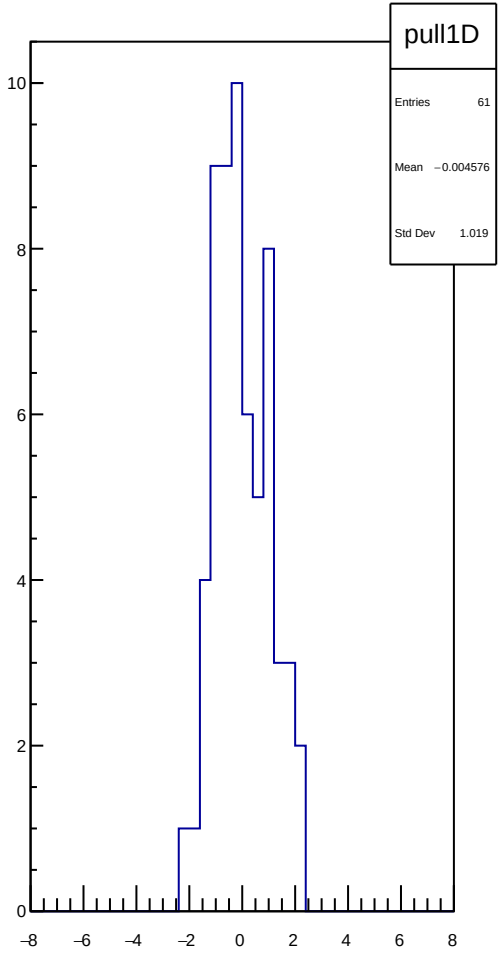

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2315 / 60
p0 117.1 ± 0.1074
160
150
140
130
120
110

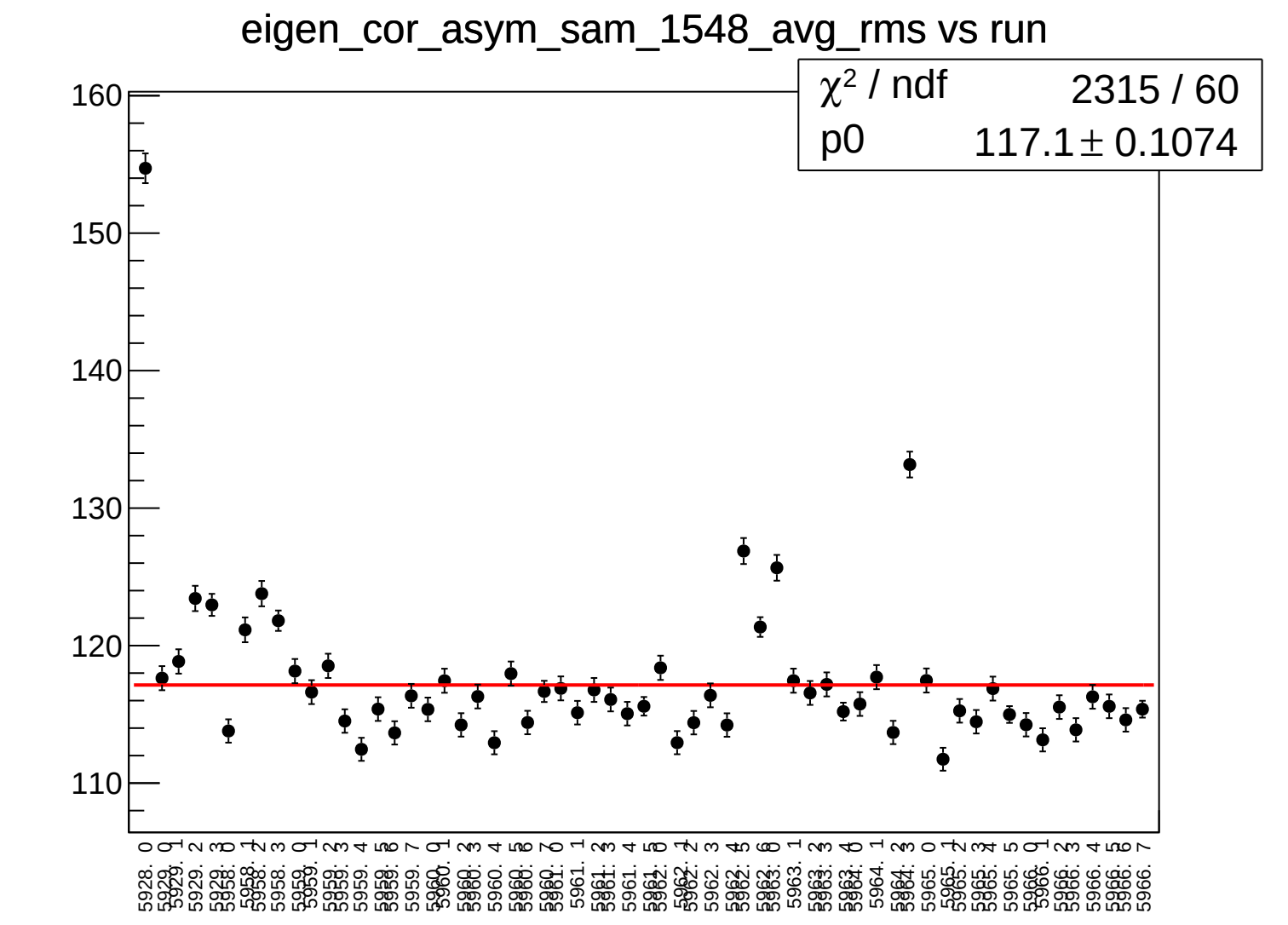

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 75.66 / 60
p0 −438.5 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1417
Std Dev 0
3
2
1
0
−1
−2

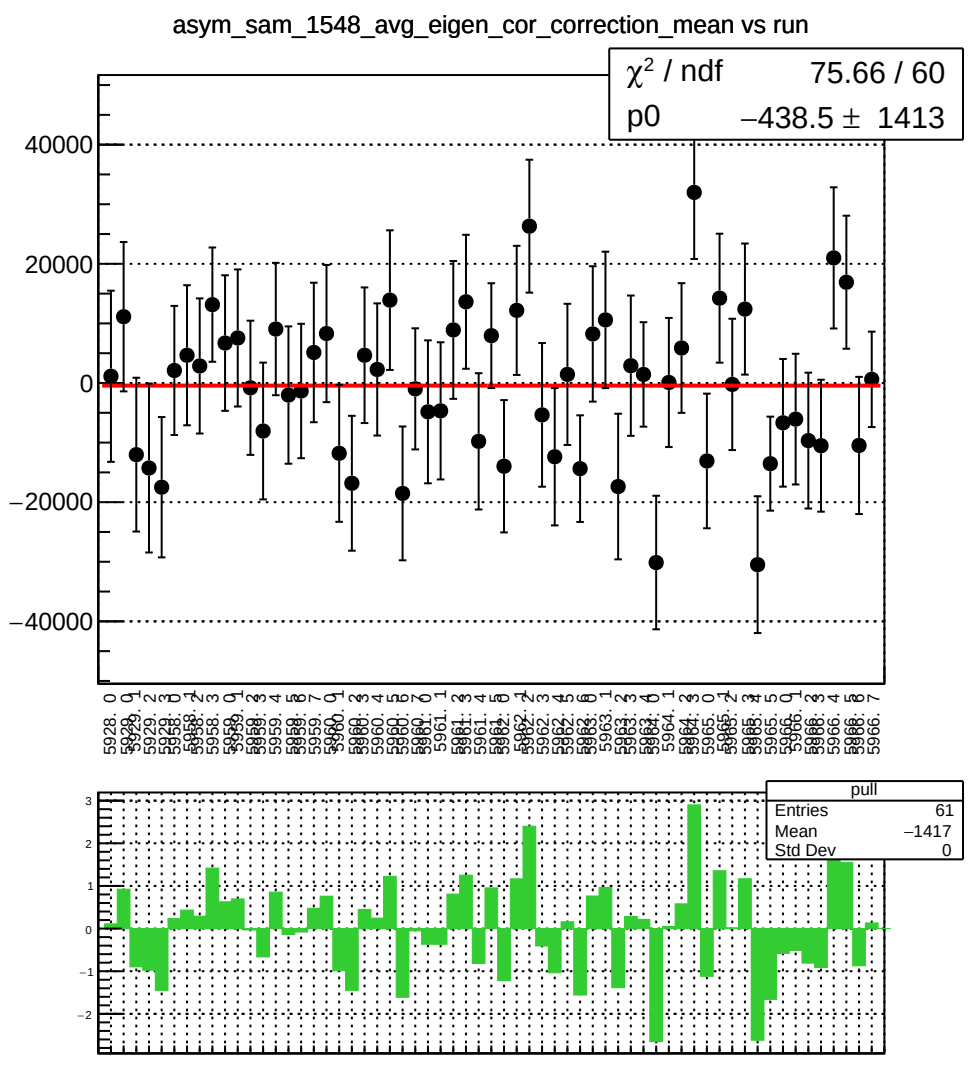

pull1D
Entries 61
Mean 0.0006413
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

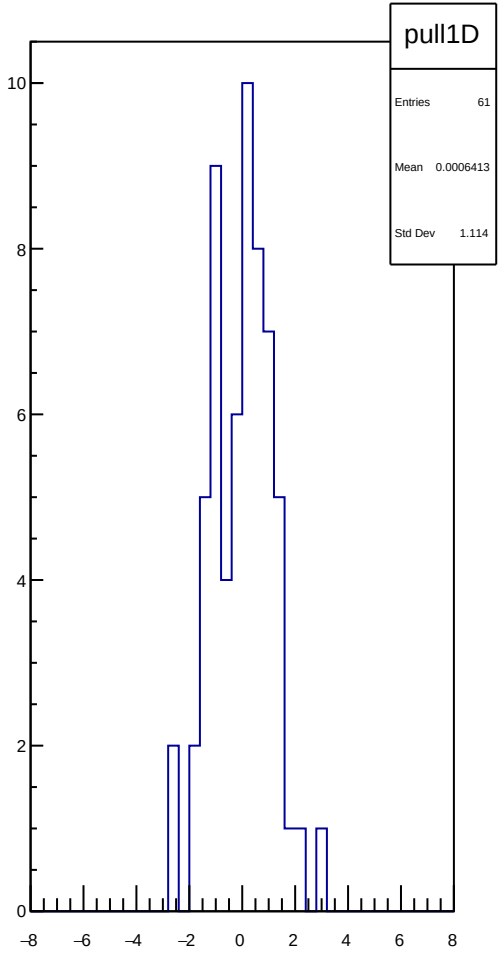

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 3811 / 60
p0 1089 ± 0.9989
1500
1400
1300
1200
1100
1000

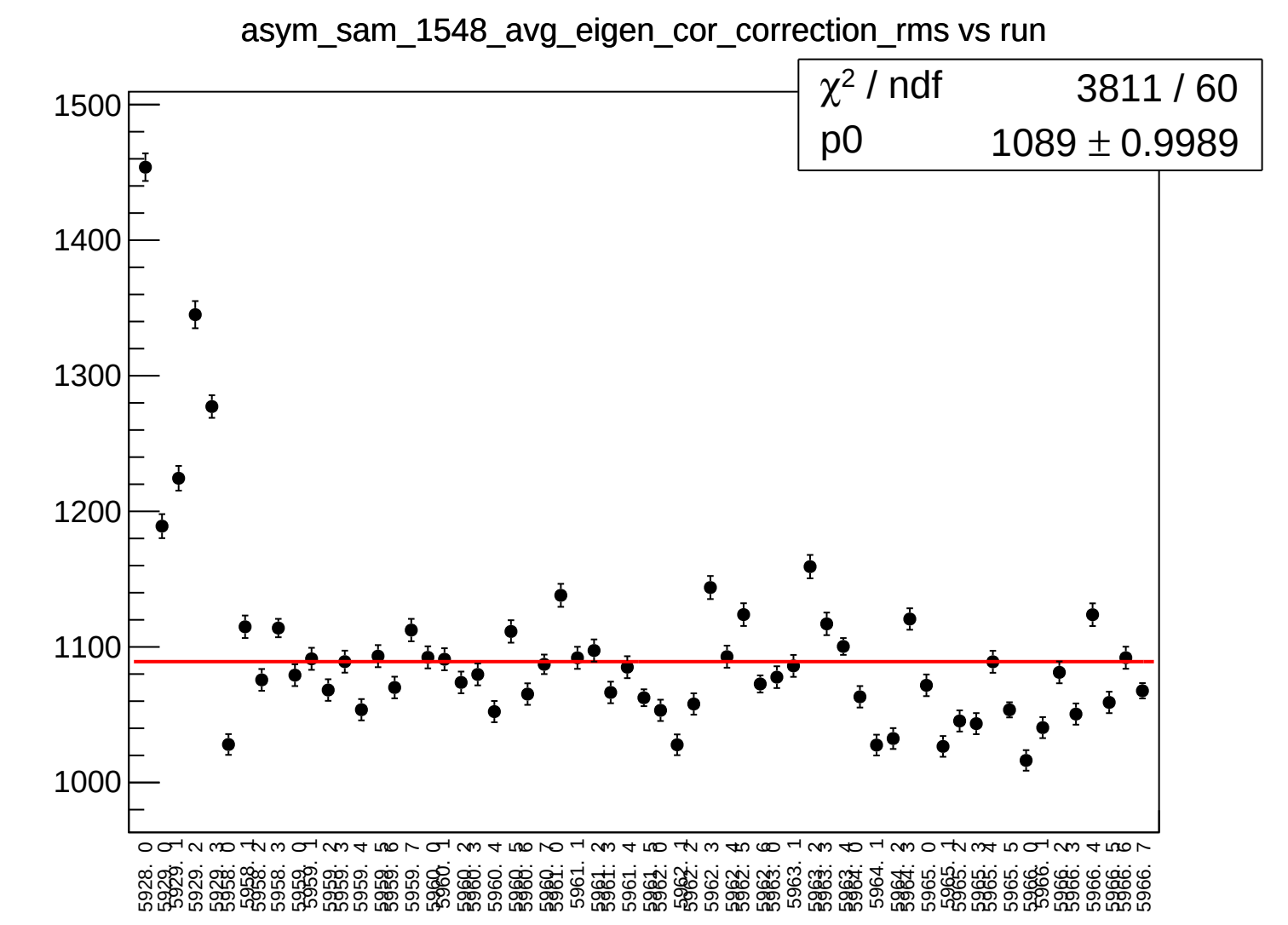

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 63.33 / 60
p0 228.3 ± 151.8
4000
2000
0
−2000
−4000
pull
Entries 61
Mean 663
Std Dev 0
2
1
0
−1
−2

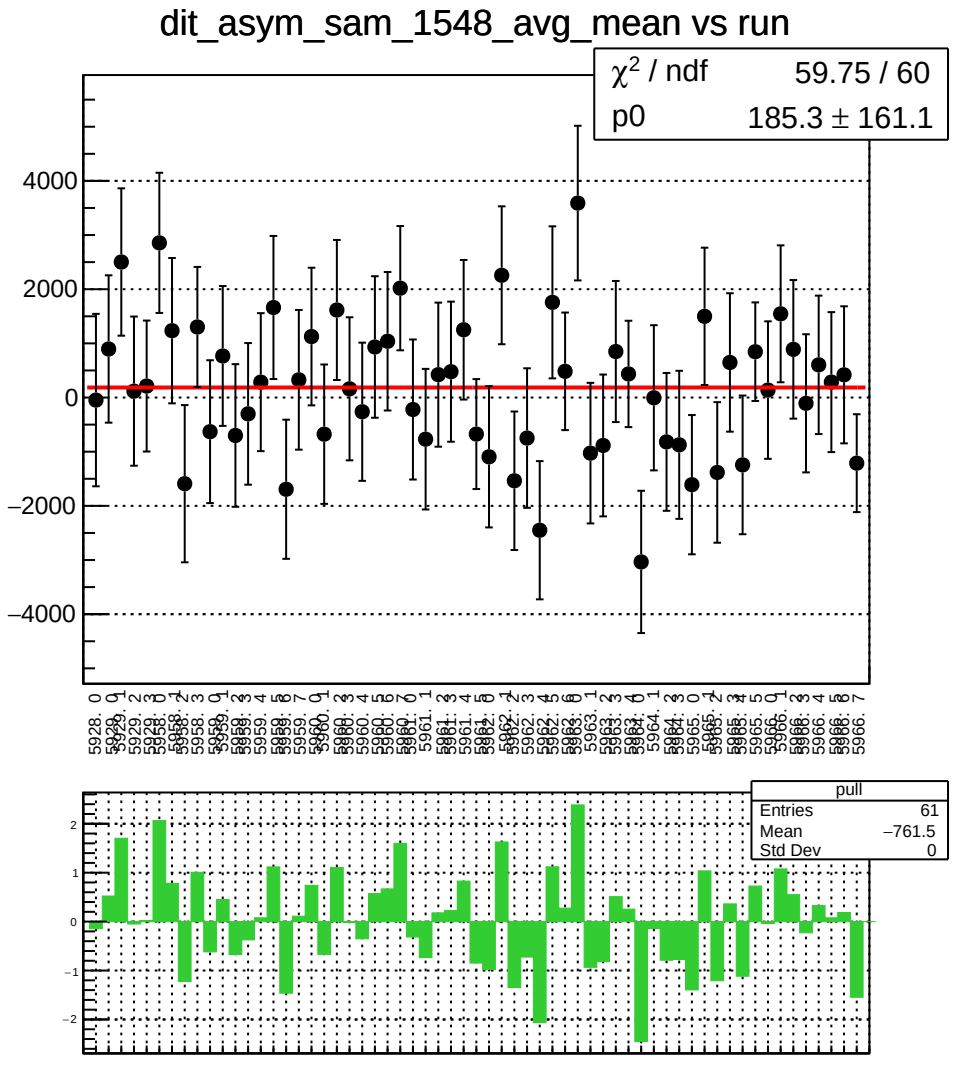

pull1D
Entries 61
Mean −0.004576
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

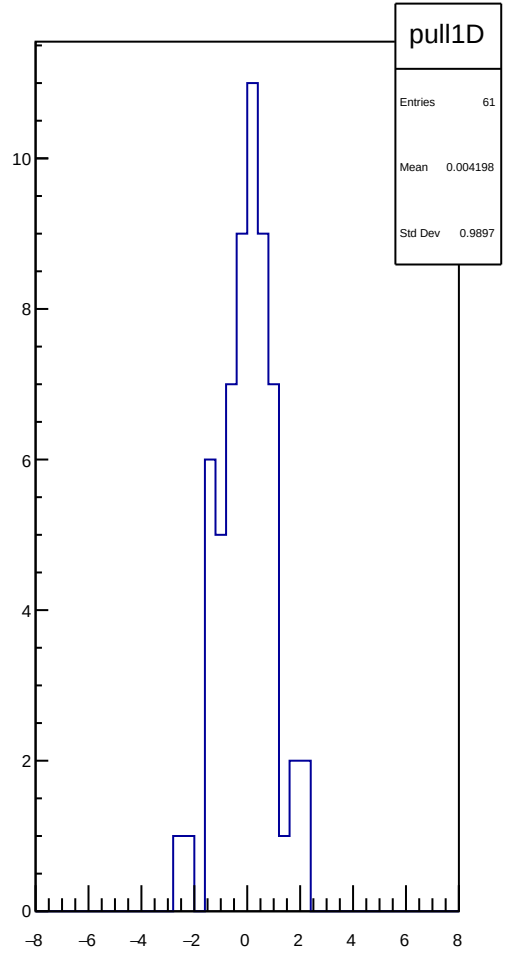

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2315 / 60
p0 117.1 ± 0.1074
160
150
140
130
120
110

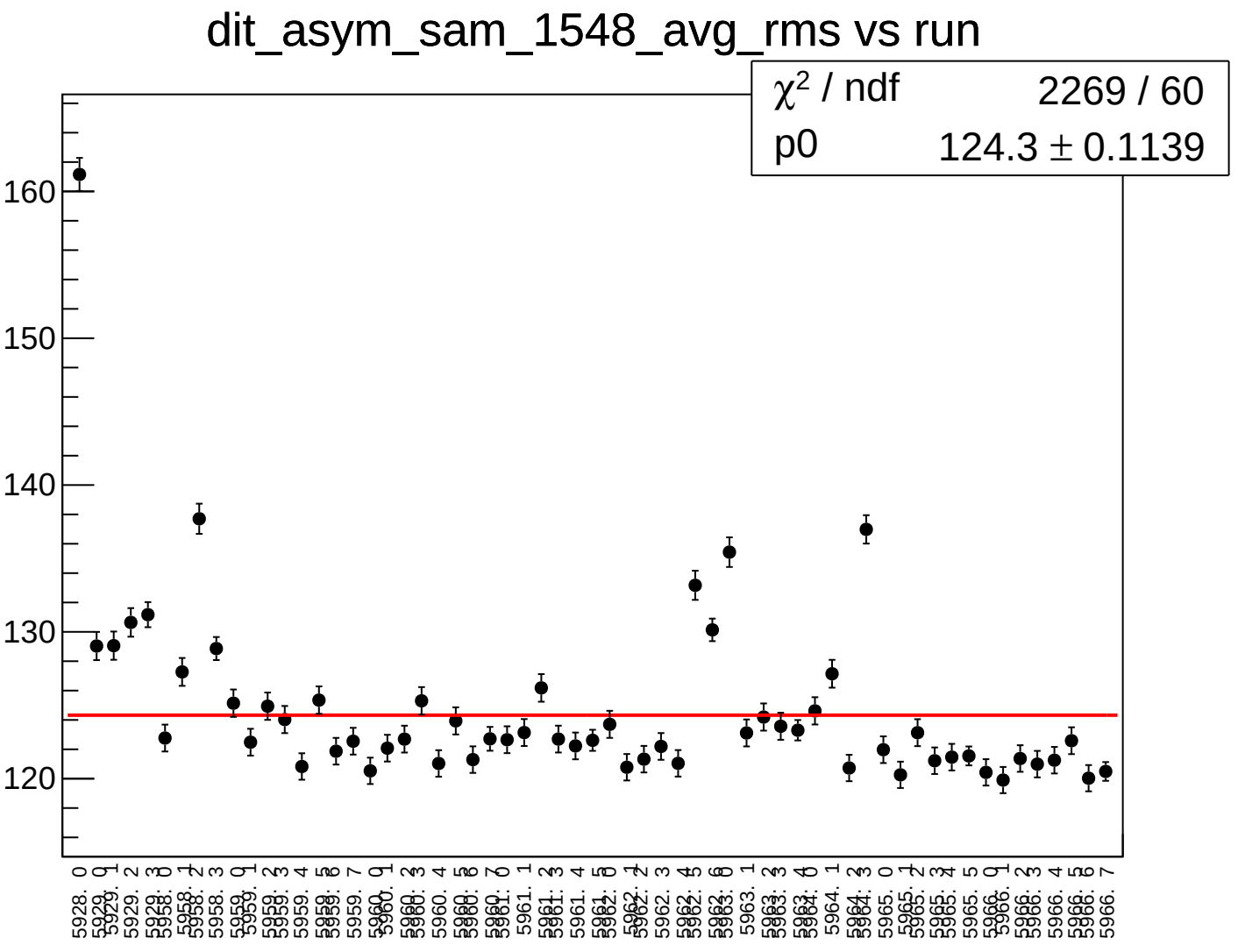

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.66 / 60
p0 −438.5 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −1417
Std Dev 0
3
2
1
0
−1
−2

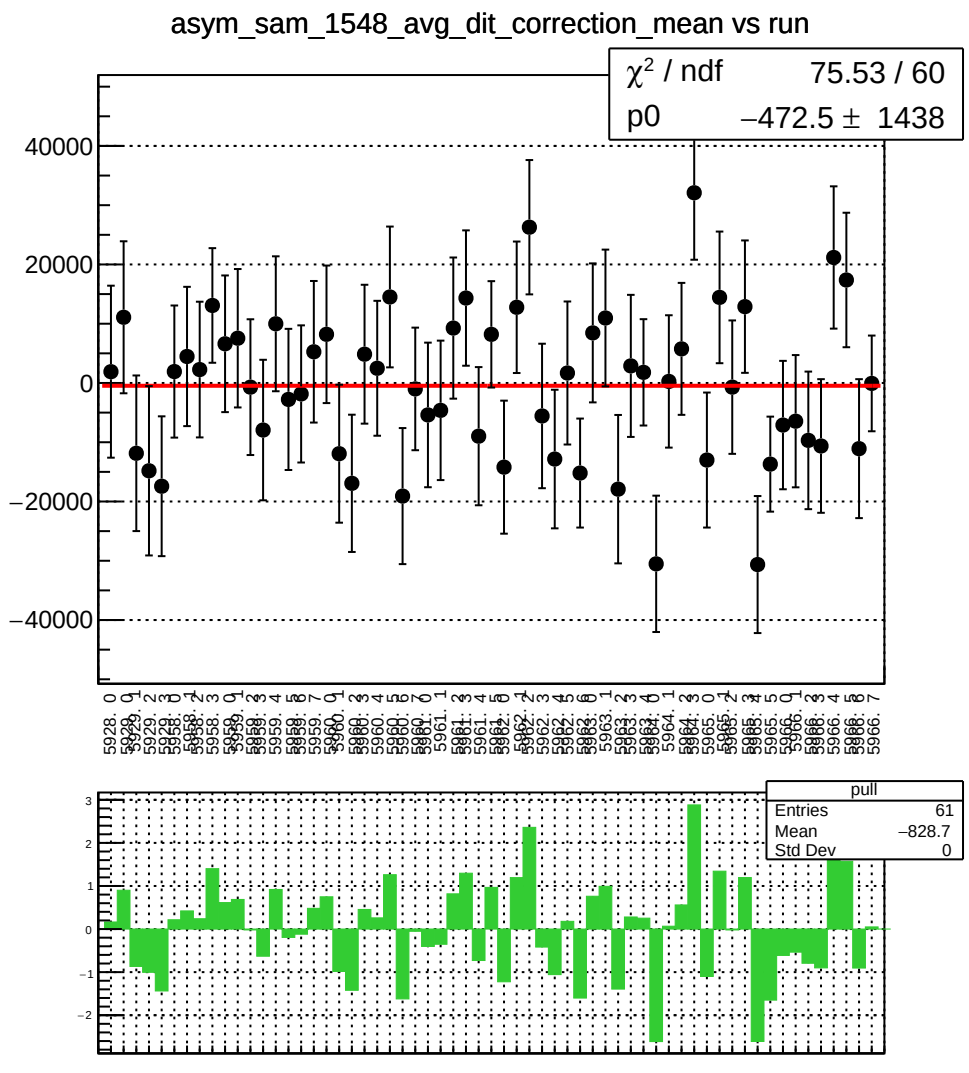

pull1D
Entries 61
Mean 0.0006413
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

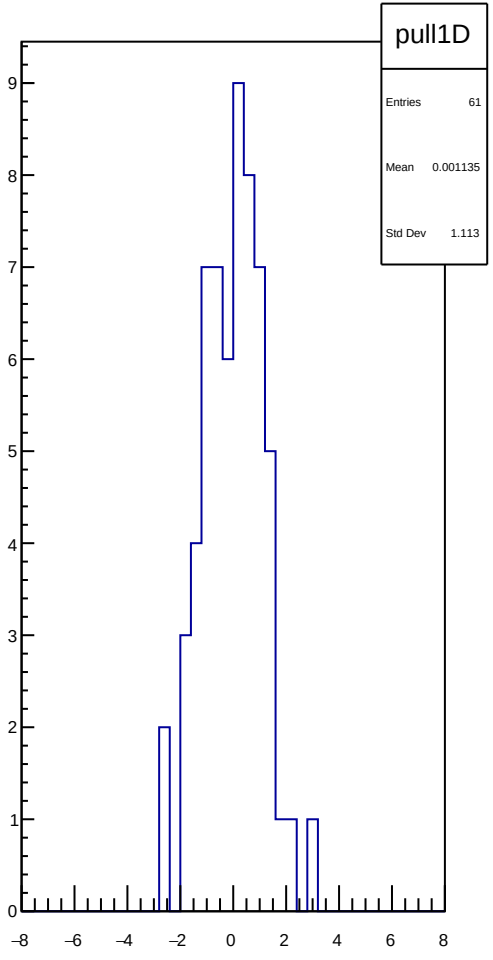

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 3811 / 60
p0 1089 ± 0.9989
1500
1400
1300
1200
1100
1000

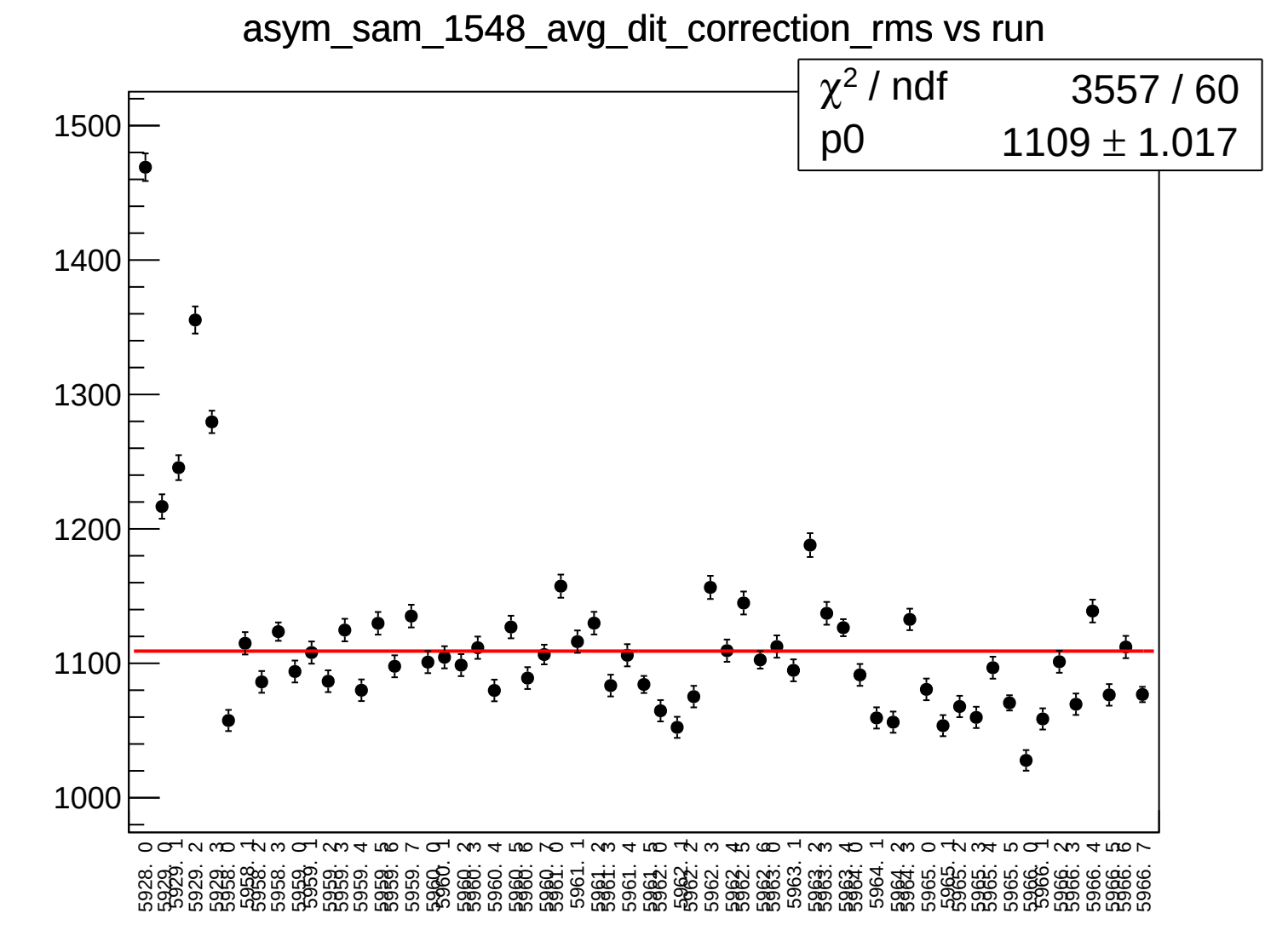

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 59.75 / 60
p0 185.3 ± 161.1
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −761.5
Std Dev 0
2
1
0
−1
−2

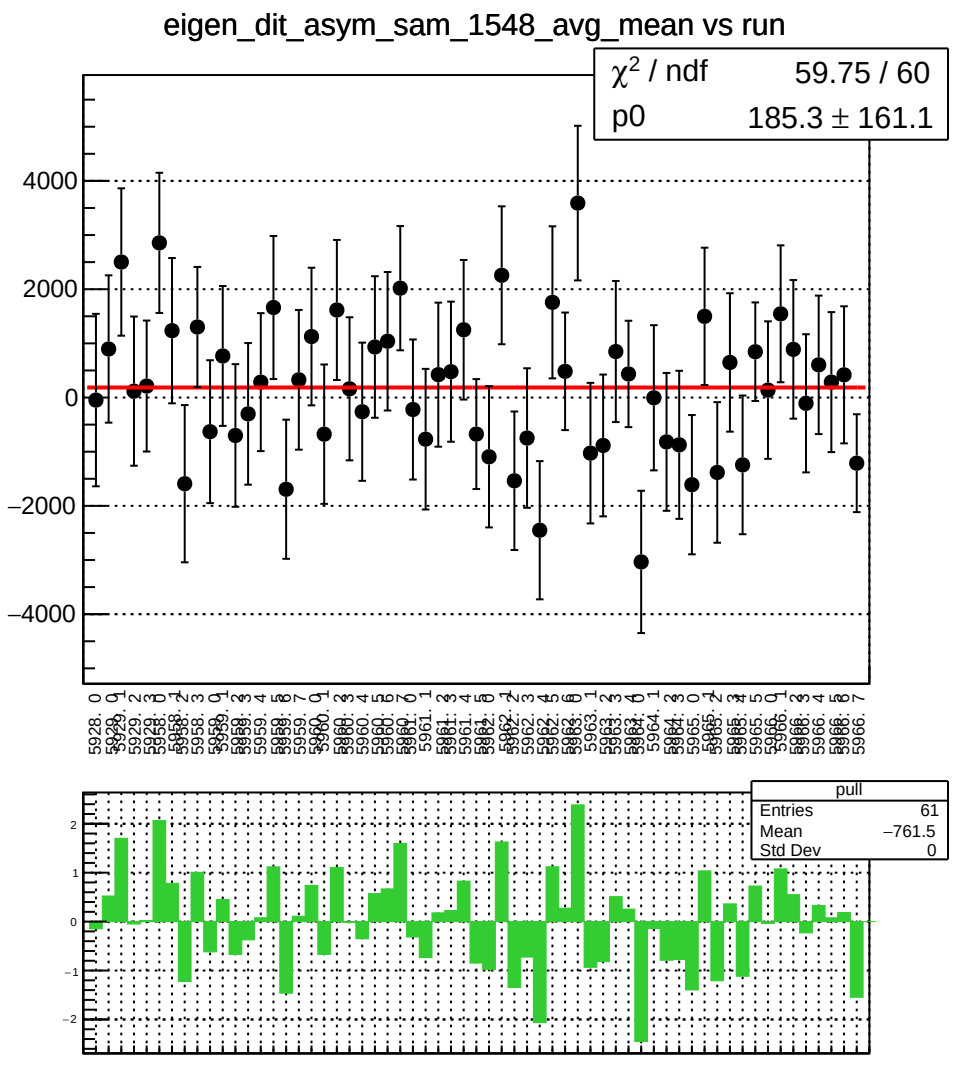

pull1D
Entries 61
Mean 0.004198
Std Dev 0.9897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

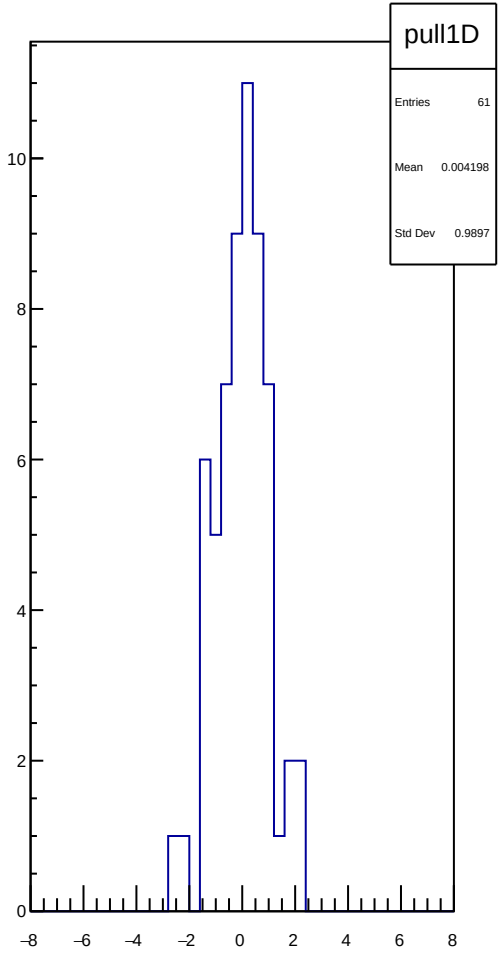

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2269 / 60
p0 124.3 ± 0.1139
160
150
140
130
120

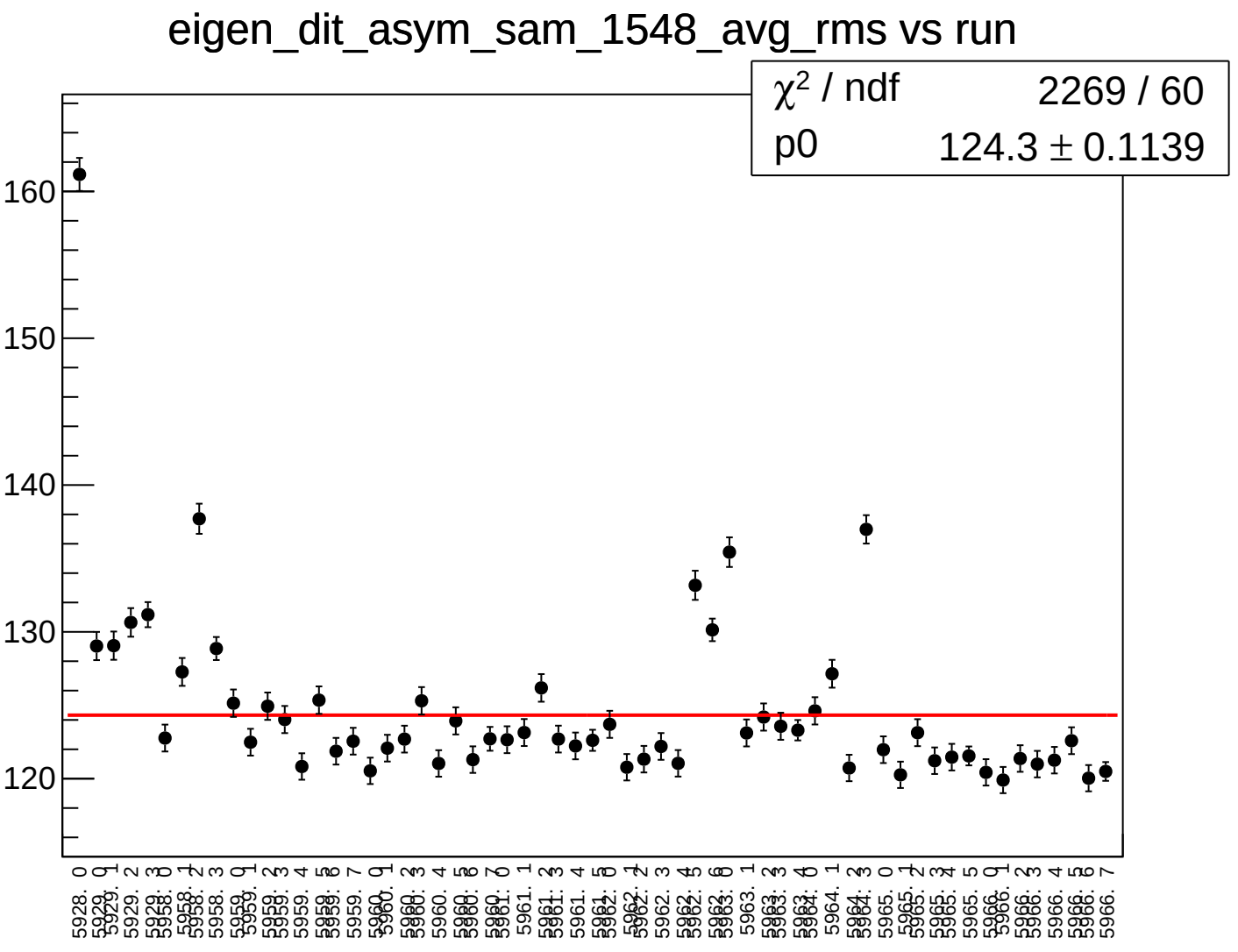

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 75.53 / 60
p0 −472.5 ± 1438
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −828.7
Std Dev 0
3
2
1
0
−1
−2

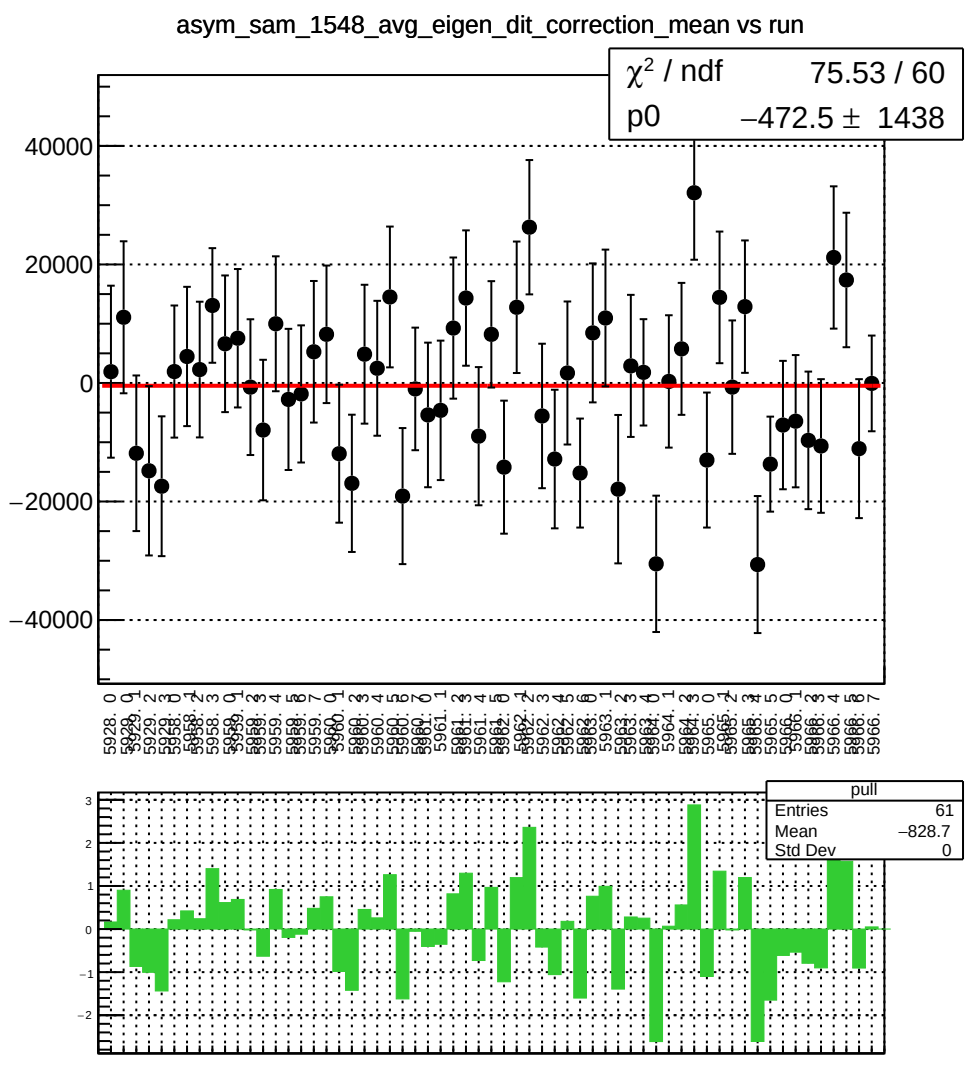

pull1D
Entries 61
Mean 0.001135
Std Dev 1.113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

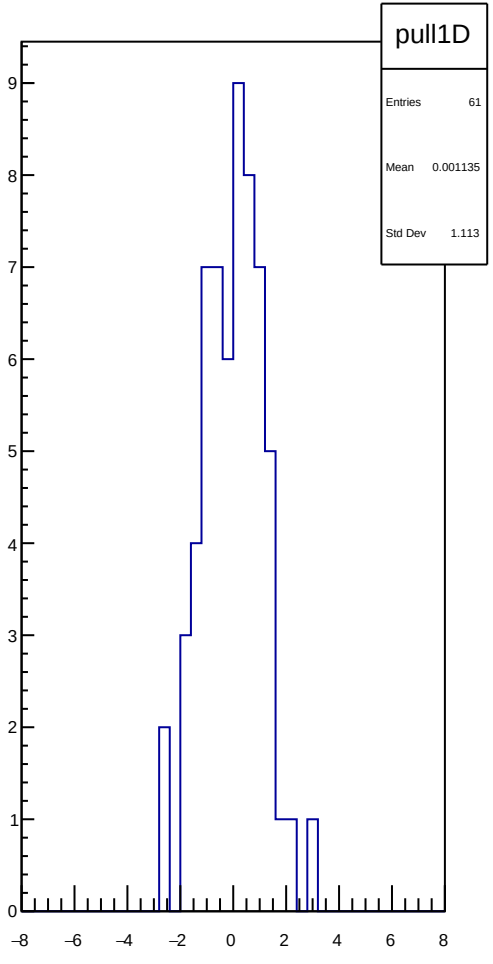

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 3557 / 60
p0 1109 ± 1.017
1500
1400
1300
1200
1100
1000

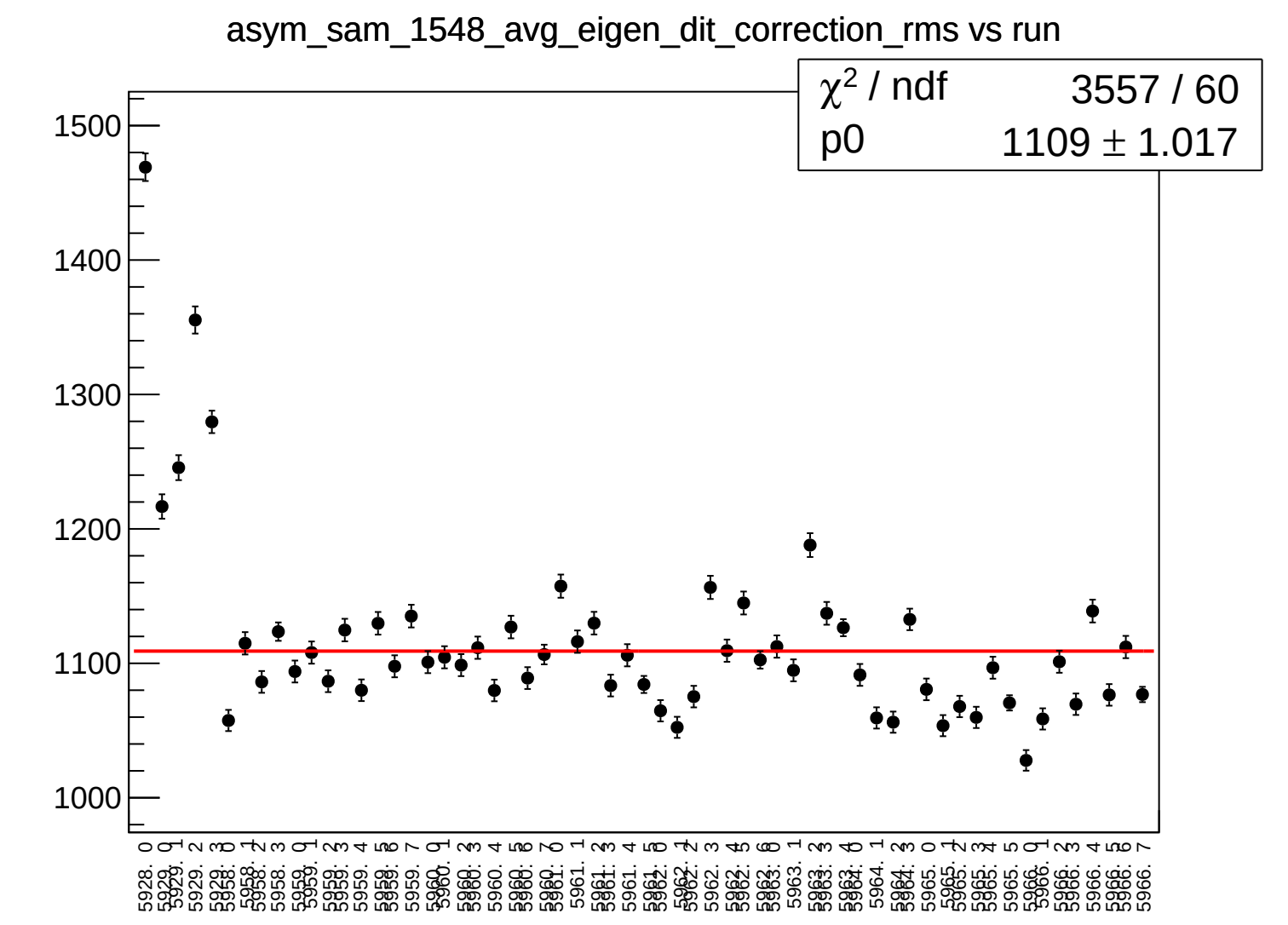

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 59.75 / 60
p0 185.3 ± 161.1
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −761.5
Std Dev 0
2
1
0
−1
−2

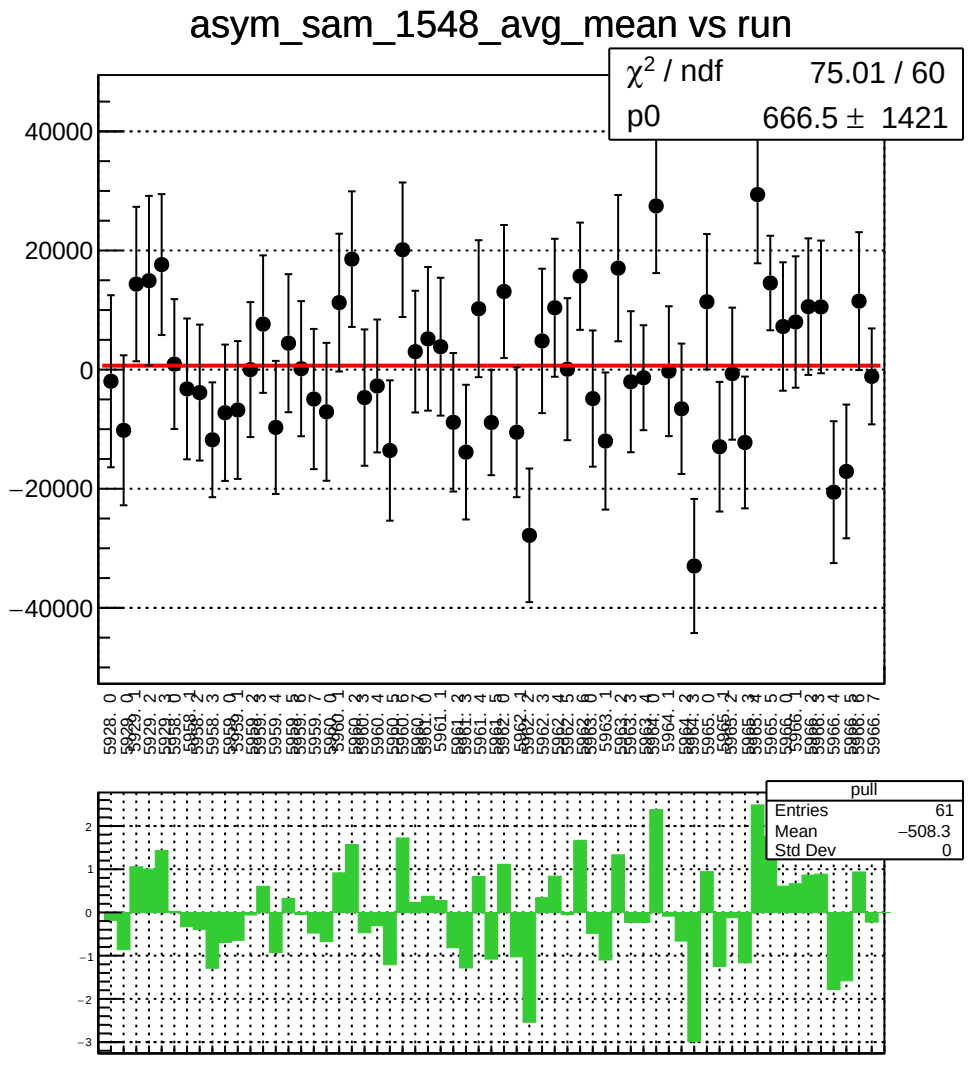

pull1D
Entries 61
Mean 0.004198
Std Dev 0.9897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

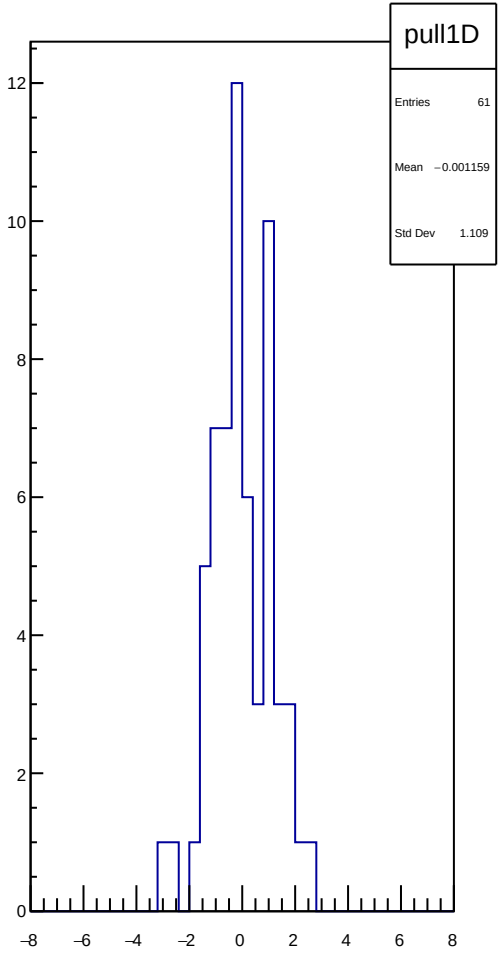

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2269 / 60
p0 124.3 ± 0.1139
160
150
140
130
120

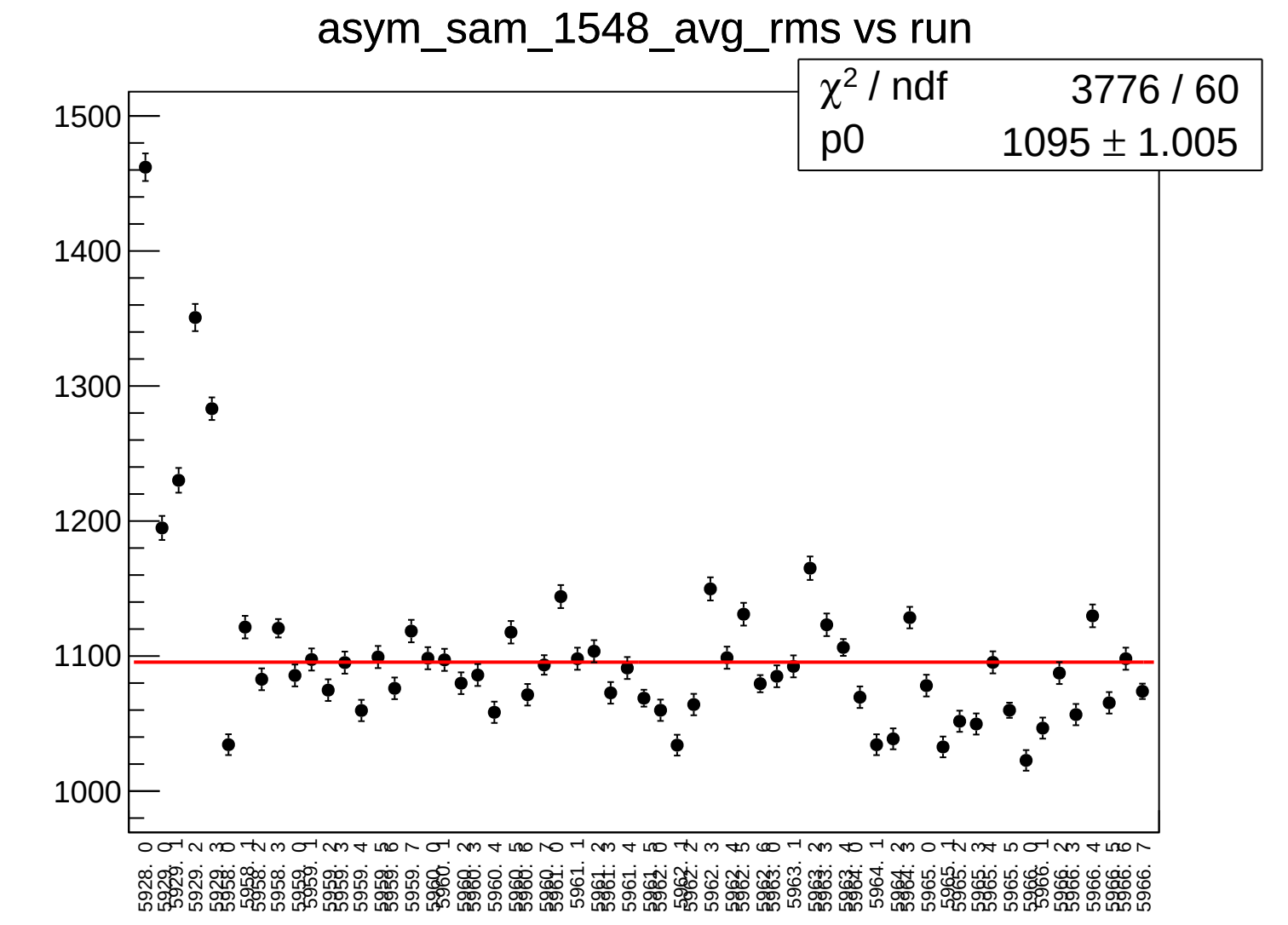

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.53 / 60
p0 −472.5 ± 1438
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −828.7
Std Dev 0
3
2
1
0
−1
−2

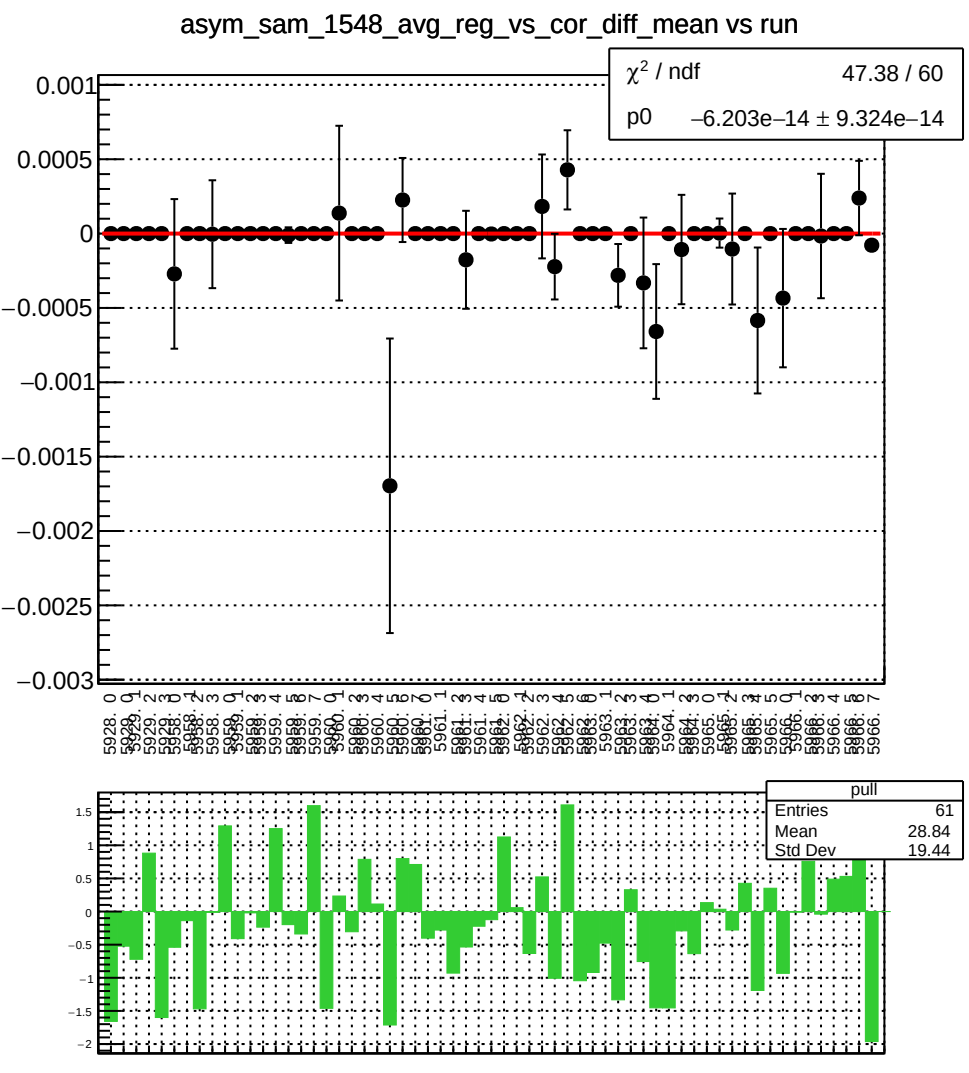

pull1D
Entries 61
Mean 0.001135
Std Dev 1.113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

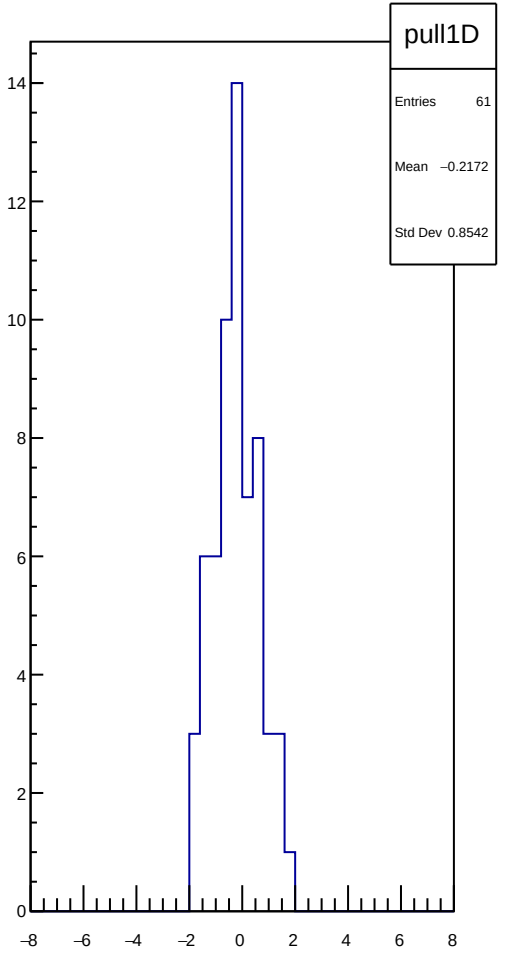

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 3557 / 60
p0 1109 ± 1.017
1500
1400
1300
1200
1100
1000

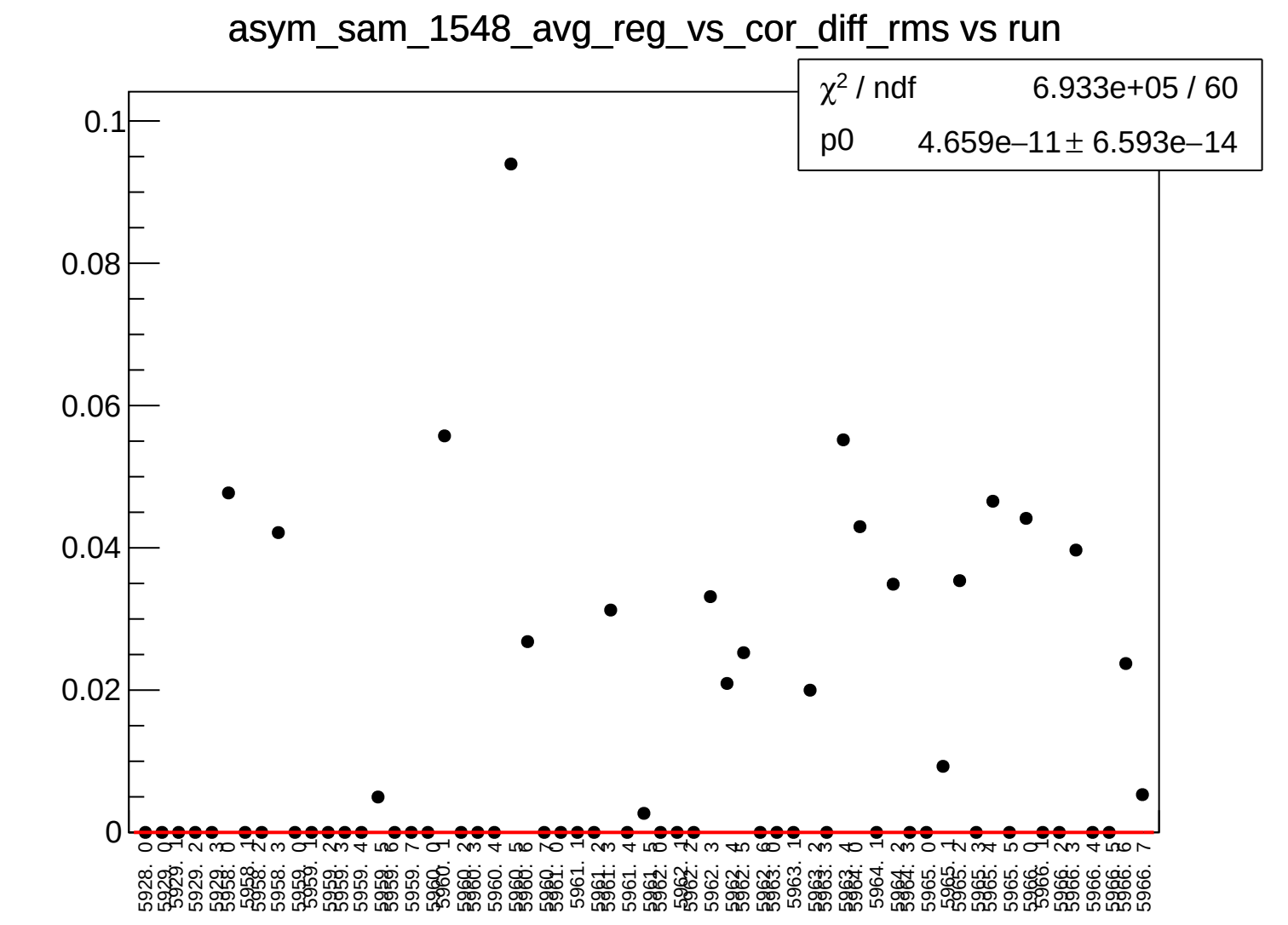

asym_sam_1548_avg_mean vs run
χ² / ndf 75.01 / 60
p0 666.5 ± 1421
40000
20000
0
−20000
−40000
pull
Entries 61
Mean −508.3
Std Dev 0
2
1
0
−1
−2
−3

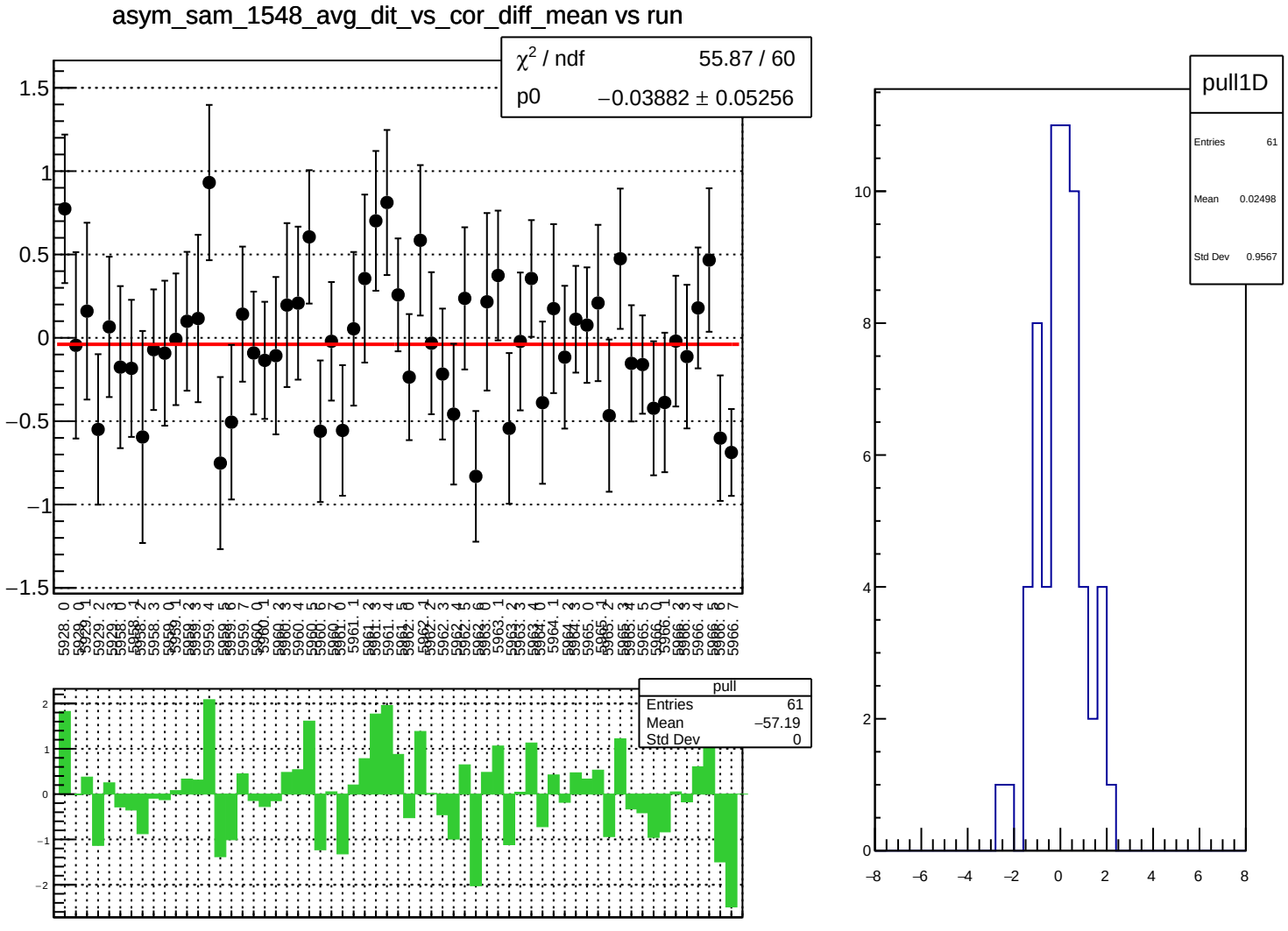

pull1D
Entries 61
Mean −0.001159
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

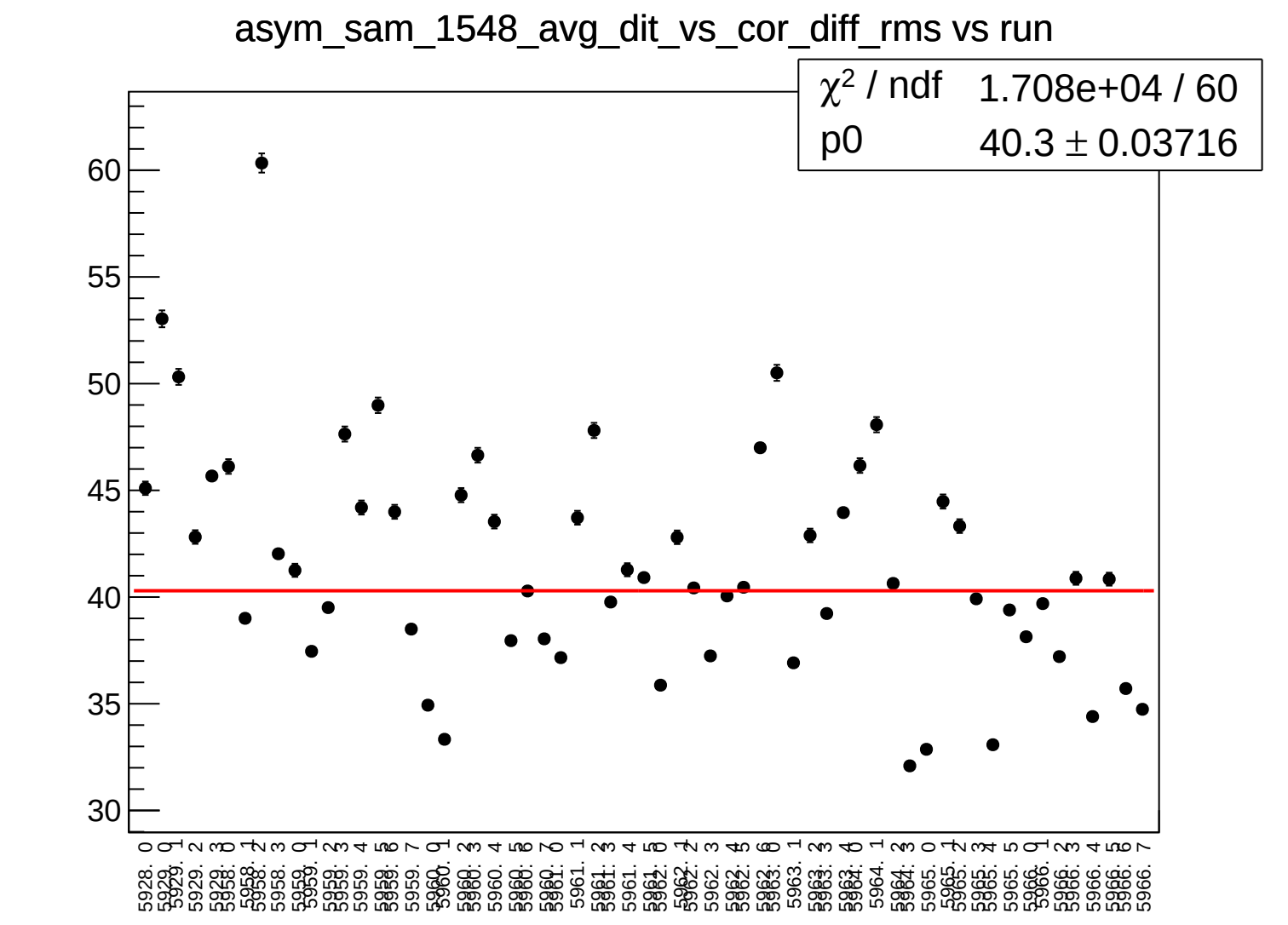

asym_sam_1548_avg_rms vs run
χ² / ndf 3776 / 60
p0 1095 ± 1.005
1500
1400
1300
1200
1100
1000

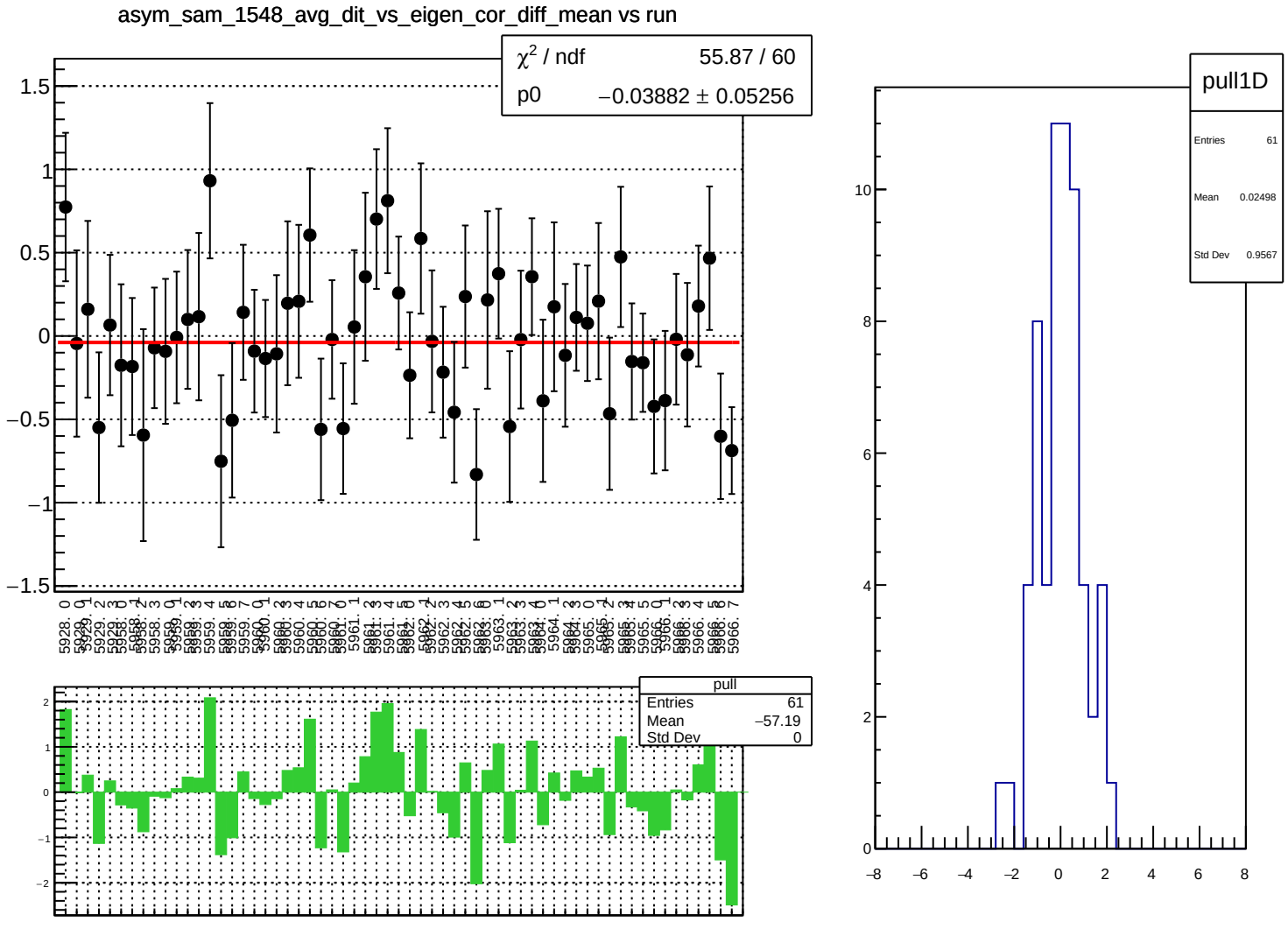

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.38 / 60
p0 −6.203e−14 ± 9.324e−14
pull
Entries 61
Mean 28.84
Std Dev 19.44

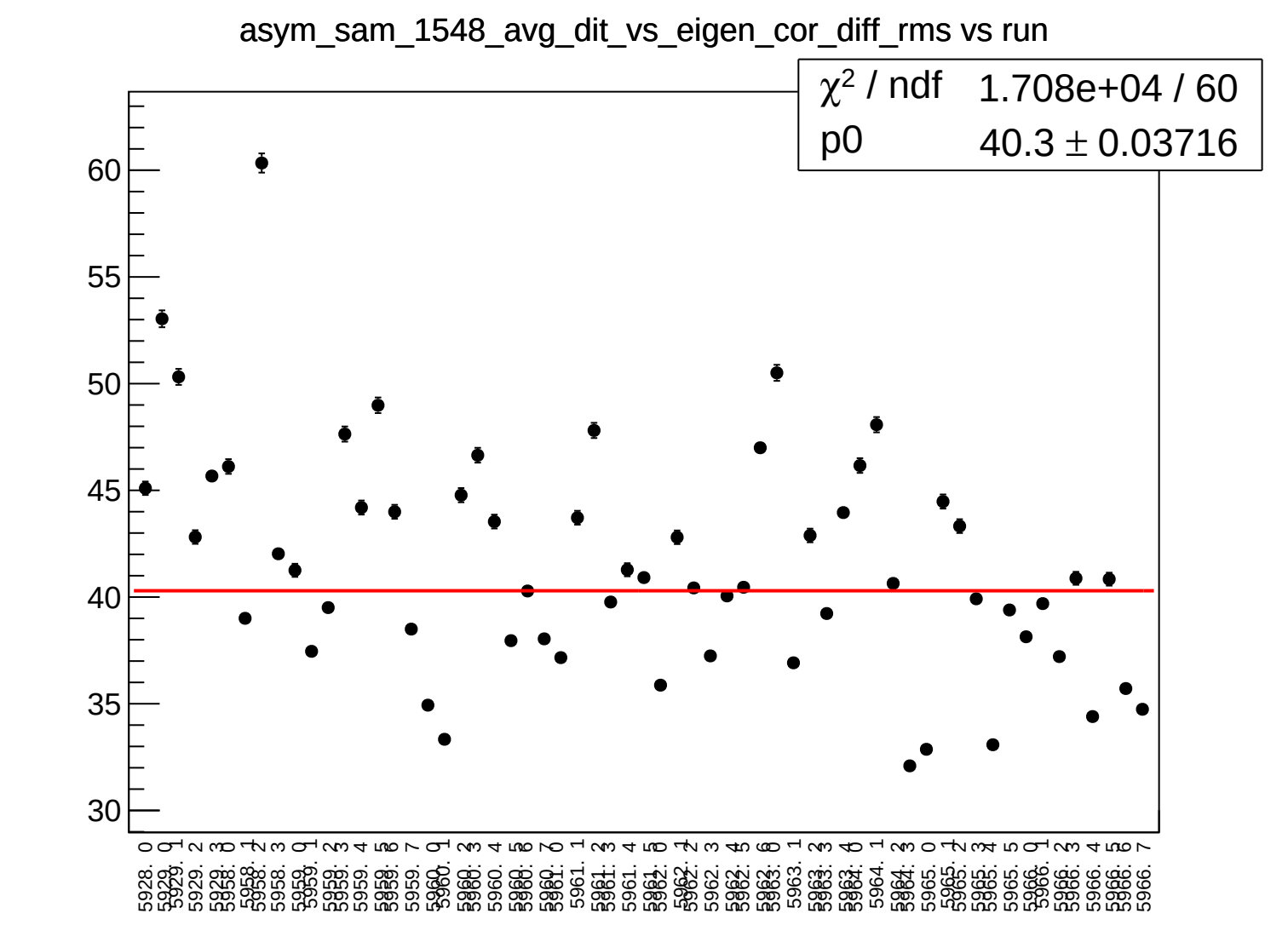

pull1D
Entries 61
Mean −0.2172
Std Dev 0.8542

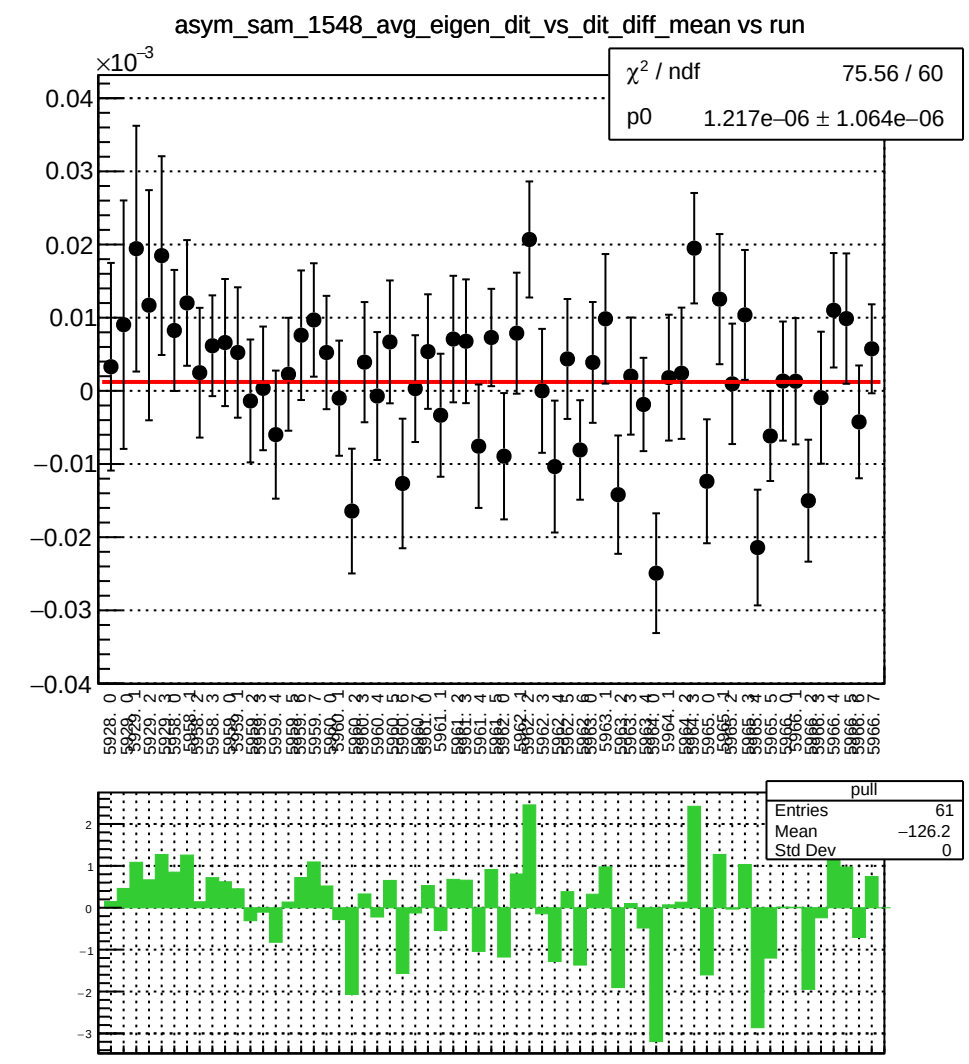

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.933e+05 / 60
p0 4.659e−11 ± 6.593e−14
0.1
0.08
0.06
0.04
0.02
0

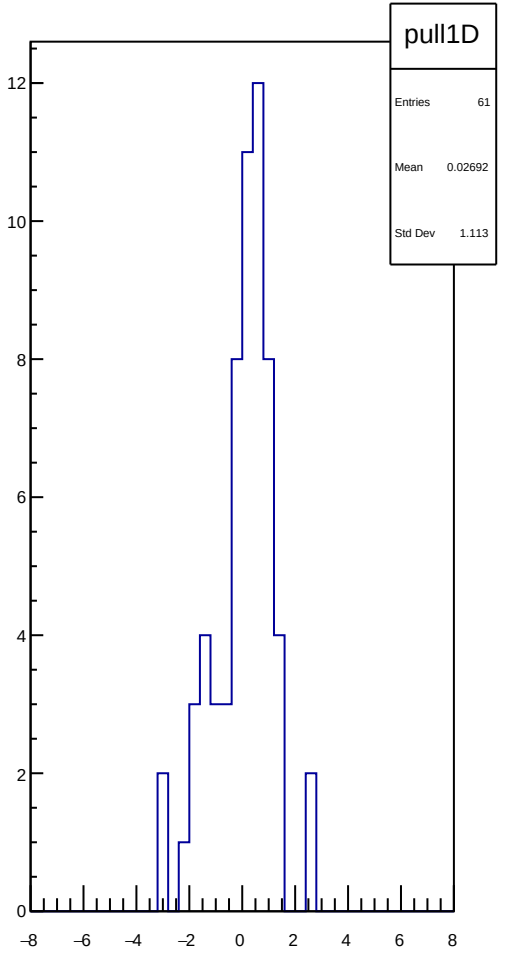

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.87 / 60
p0 −0.03882 ± 0.05256
pull
Entries 61
Mean −57.19
Std Dev 0
pull1D
Entries 61
Mean 0.02498
Std Dev 0.9567

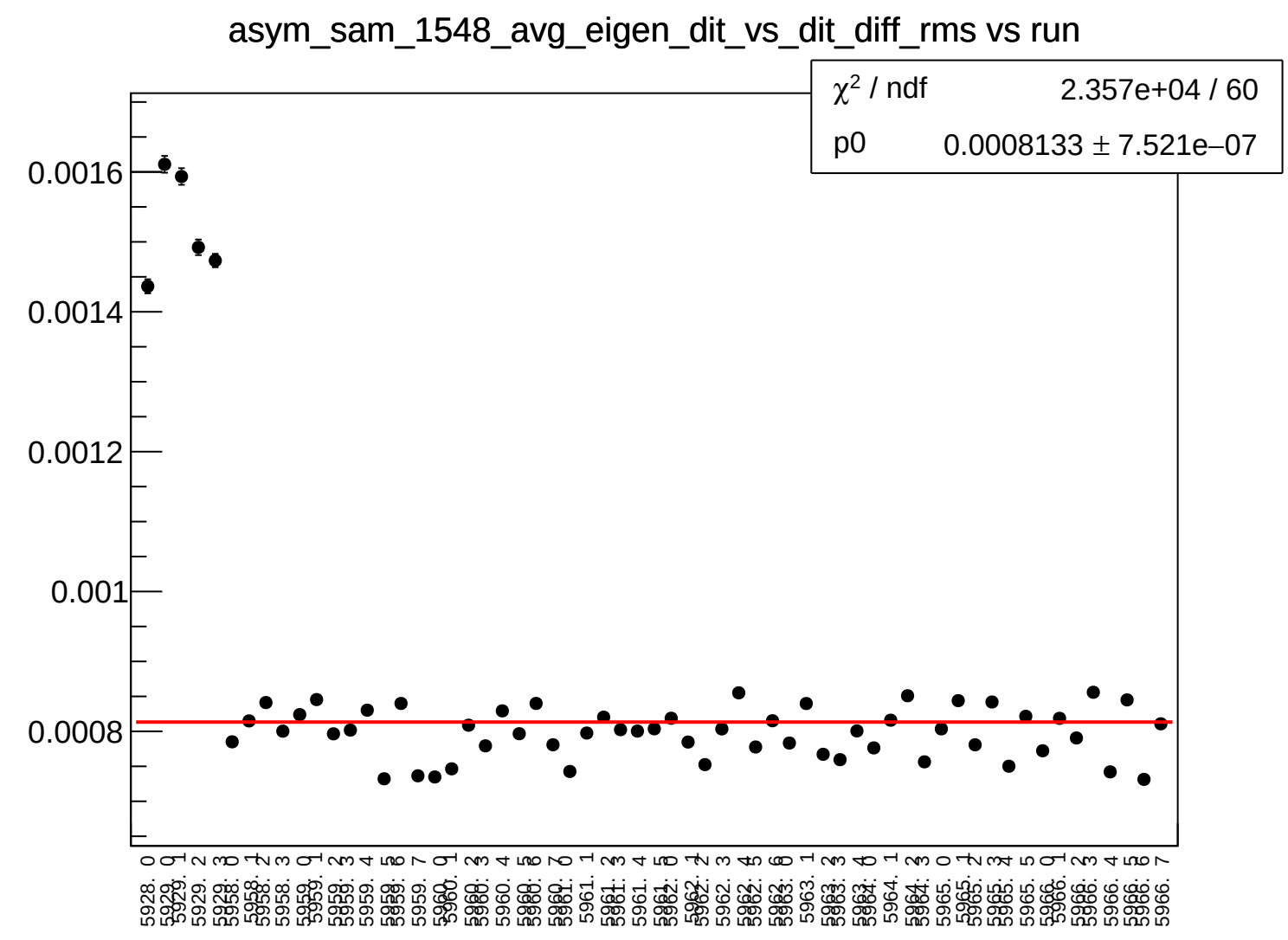

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.708e+04 / 60
p0 40.3 ± 0.03716
60
55
50
45
40
35
30

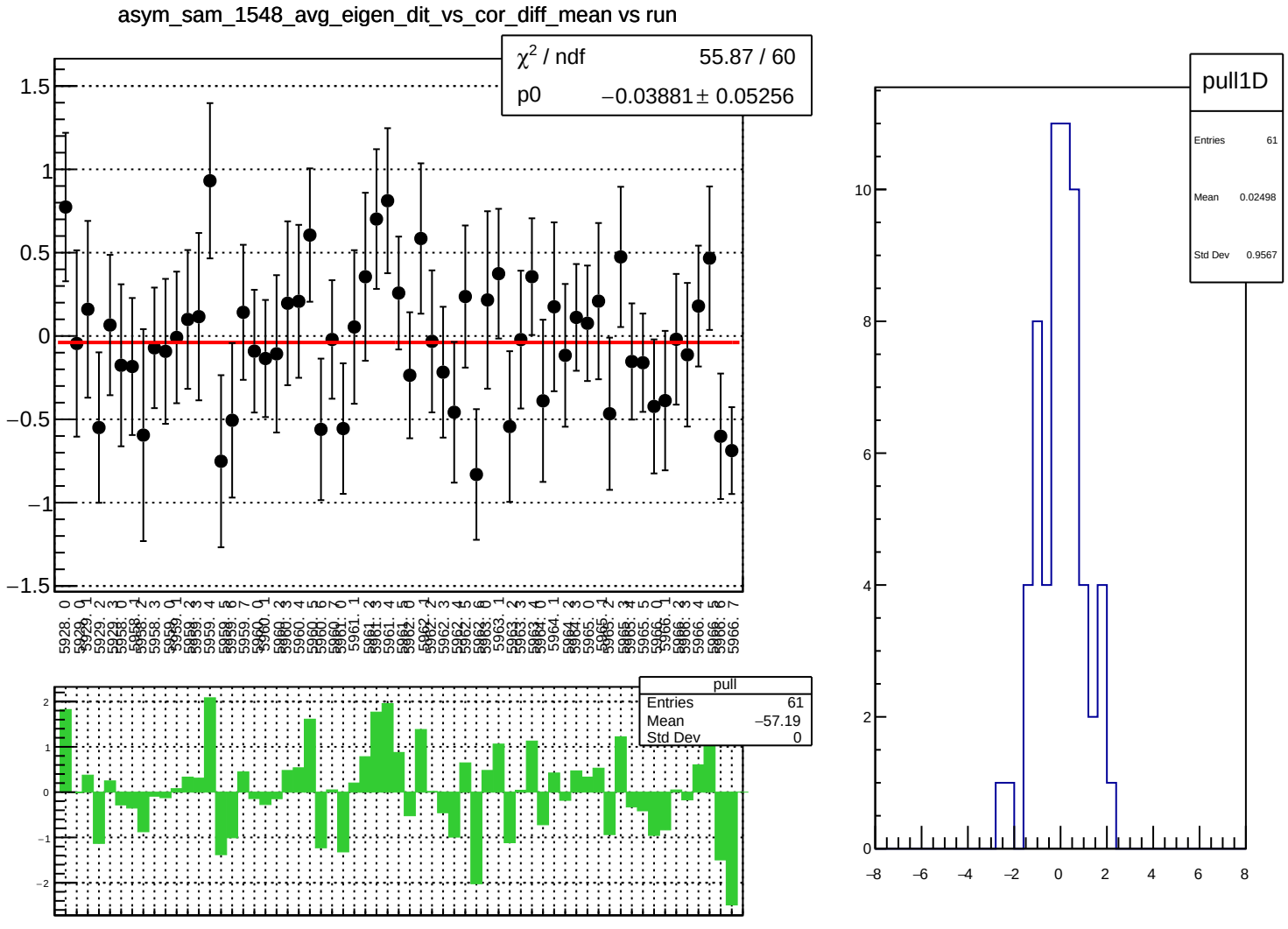

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.87 / 60
p0 −0.03882 ± 0.05256
pull
Entries 61
Mean −57.19
Std Dev 0
pull1D
Entries 61
Mean 0.02498
Std Dev 0.9567

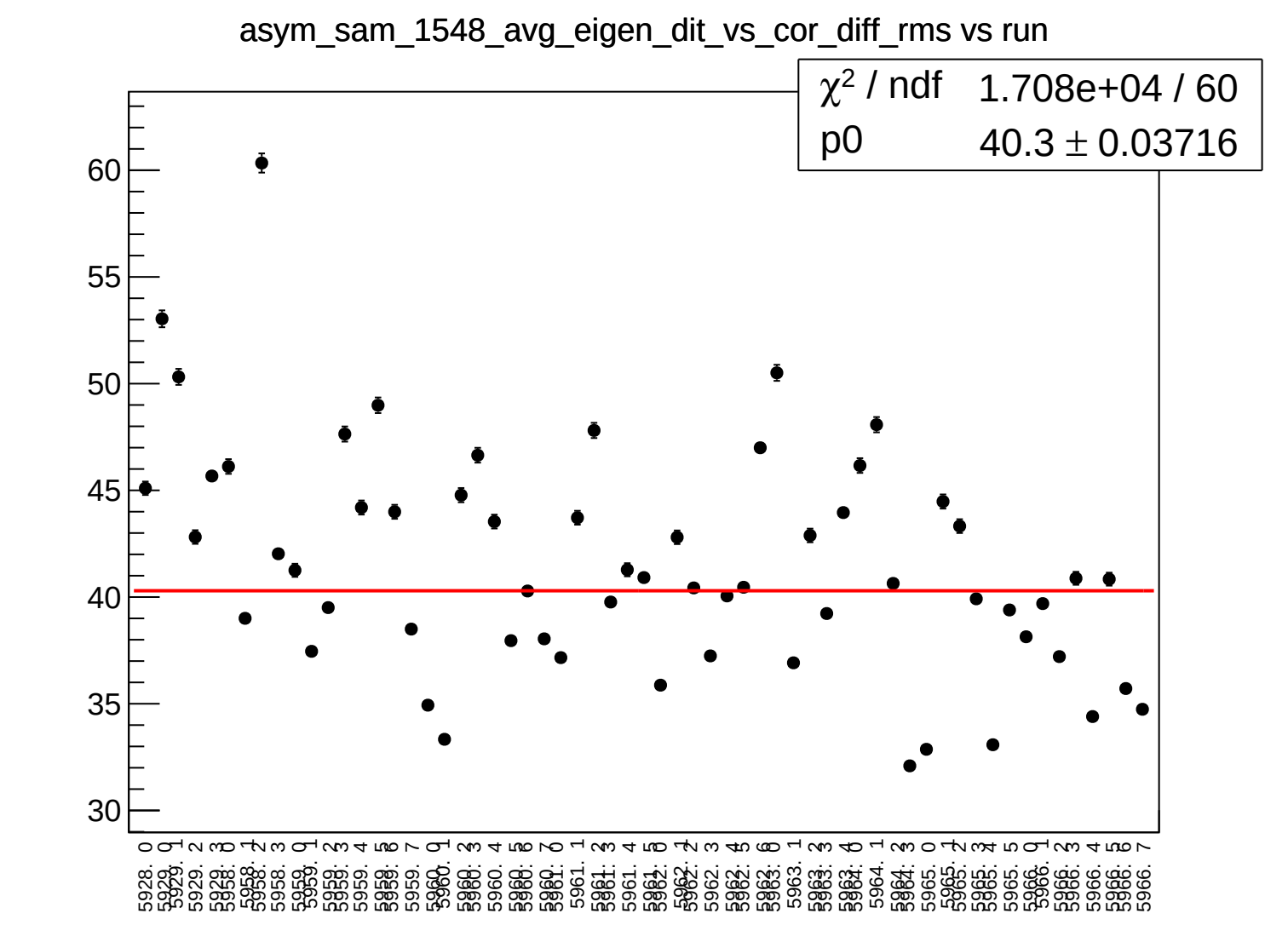

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.708e+04 / 60
p0 40.3 ± 0.03716
60
55
50
45
40
35
30

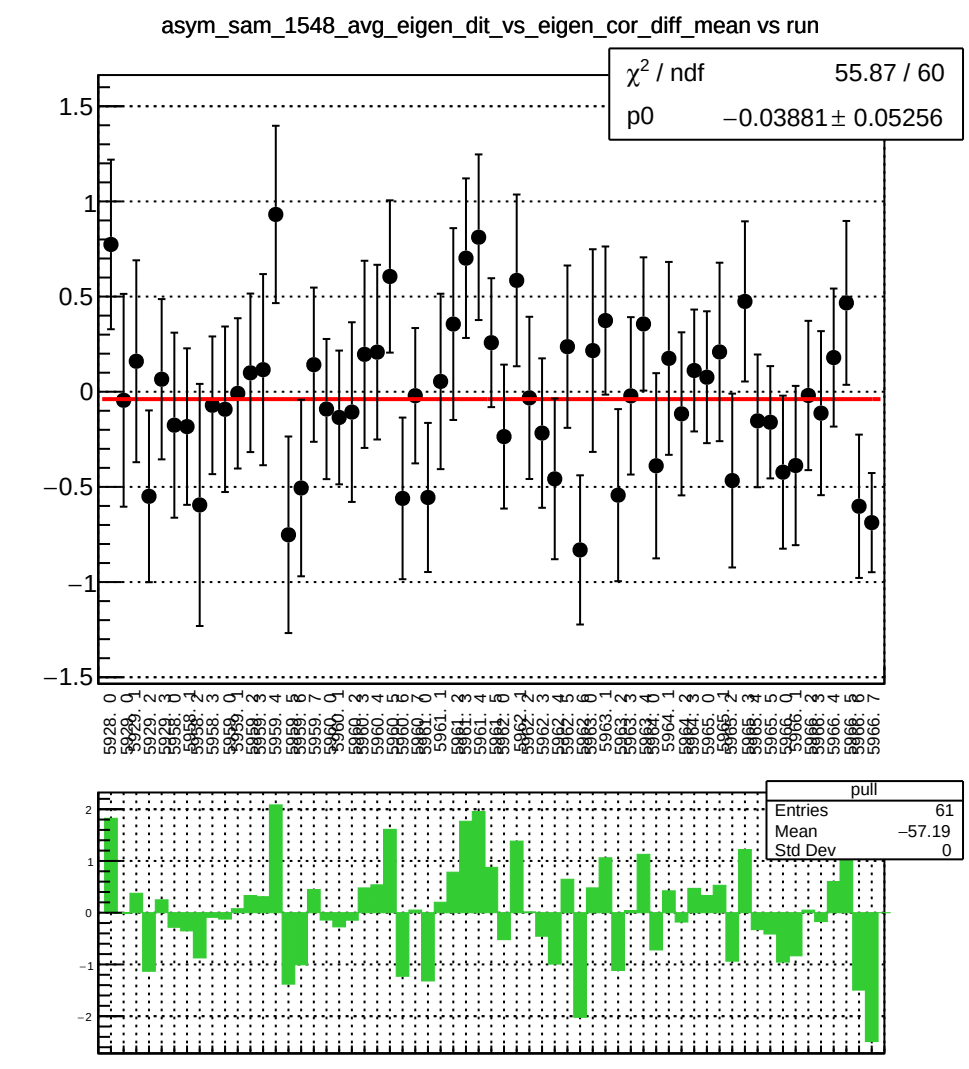

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.56 / 60
p0 1.217e−06 ± 1.064e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 61
Mean −126.2
Std Dev 0
2
1
0
−1
−2
−3

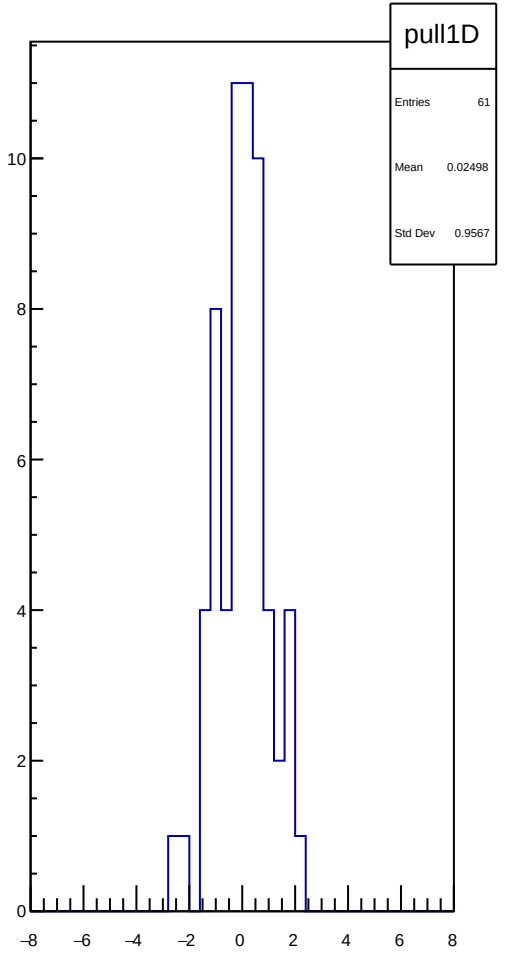

pull1D
Entries 61
Mean 0.02692
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

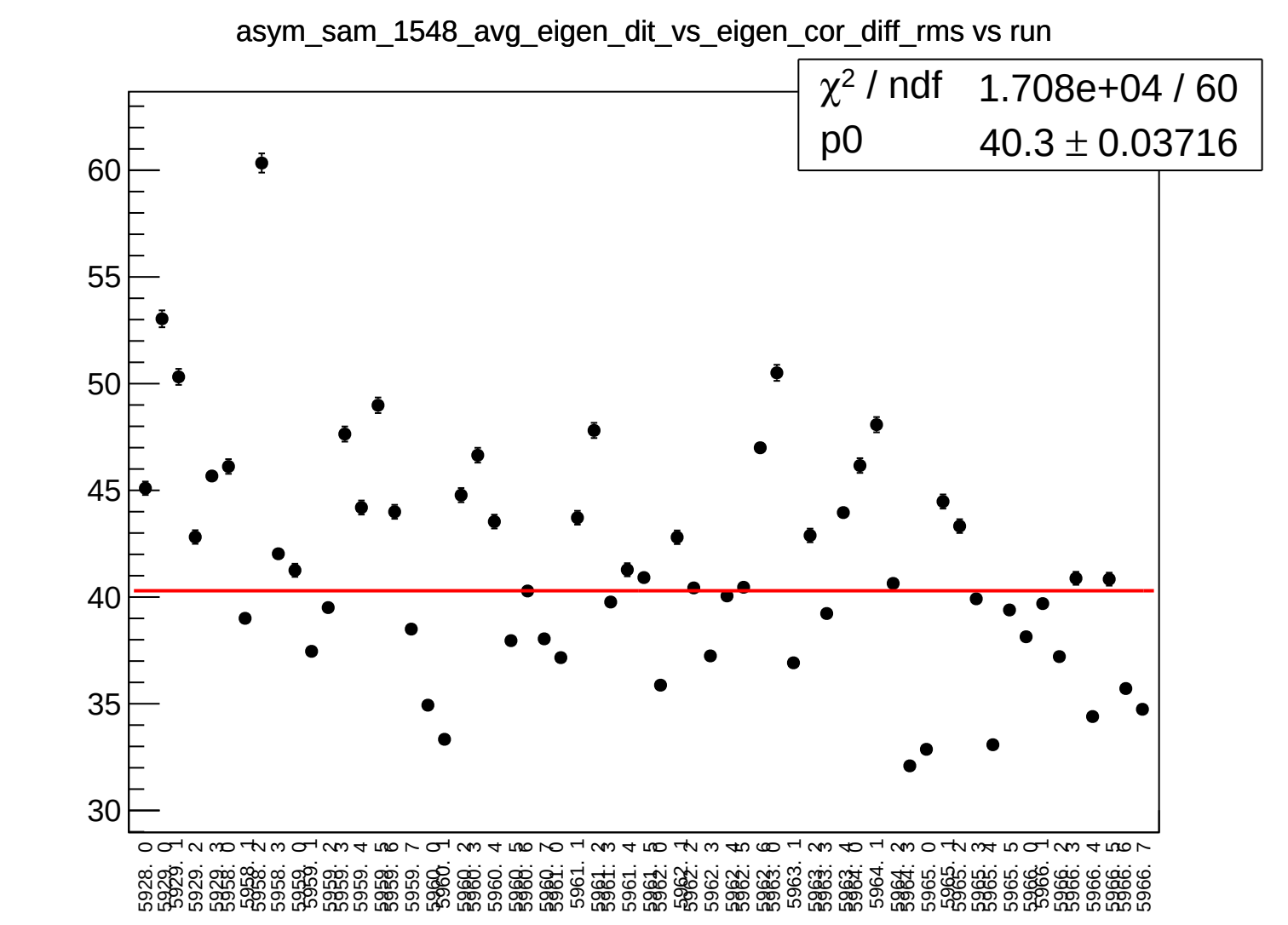

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.357e+04 / 60
p0 0.0008133 ± 7.521e−07
0.0016
0.0014
0.0012
0.001
0.0008

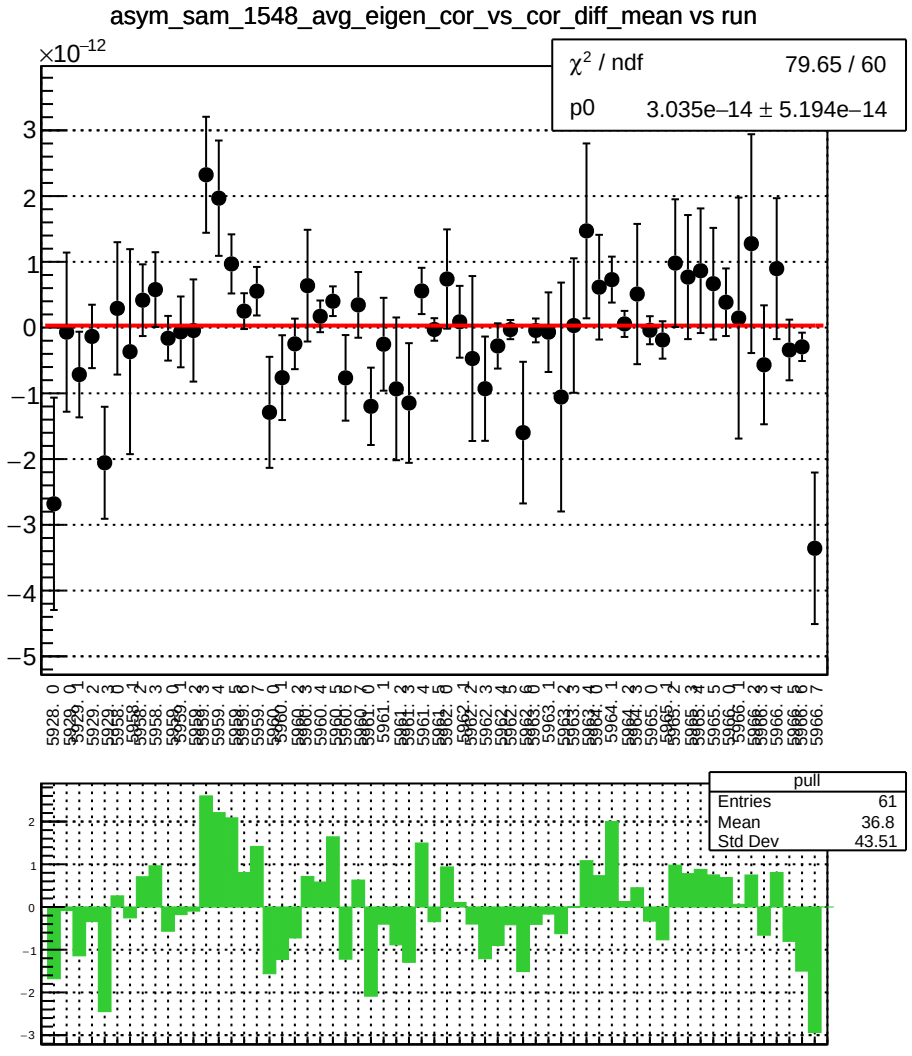

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.87 / 60
p0 −0.03881 ± 0.05256
pull
Entries 61
Mean −57.19
Std Dev 0
pull1D
Entries 61
Mean 0.02498
Std Dev 0.9567

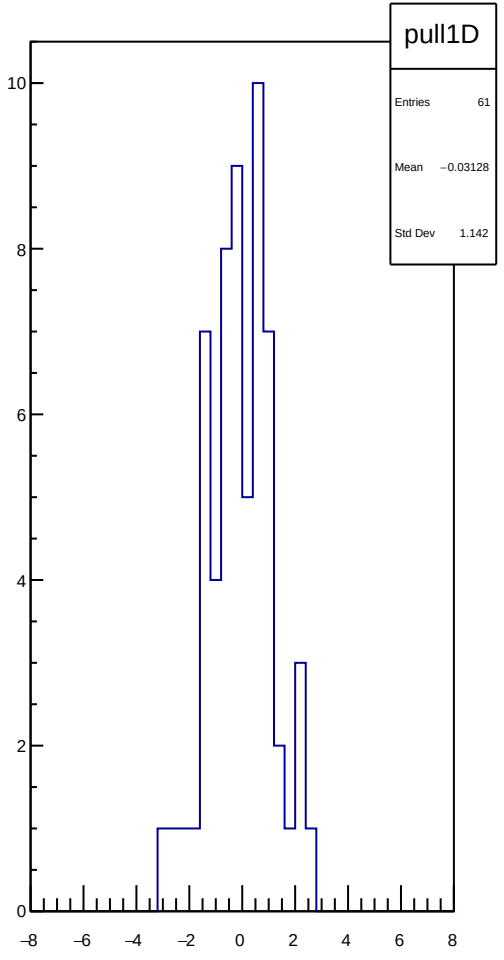

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.708e+04 / 60
p0 40.3 ± 0.03716
60
55
50
45
40
35
30

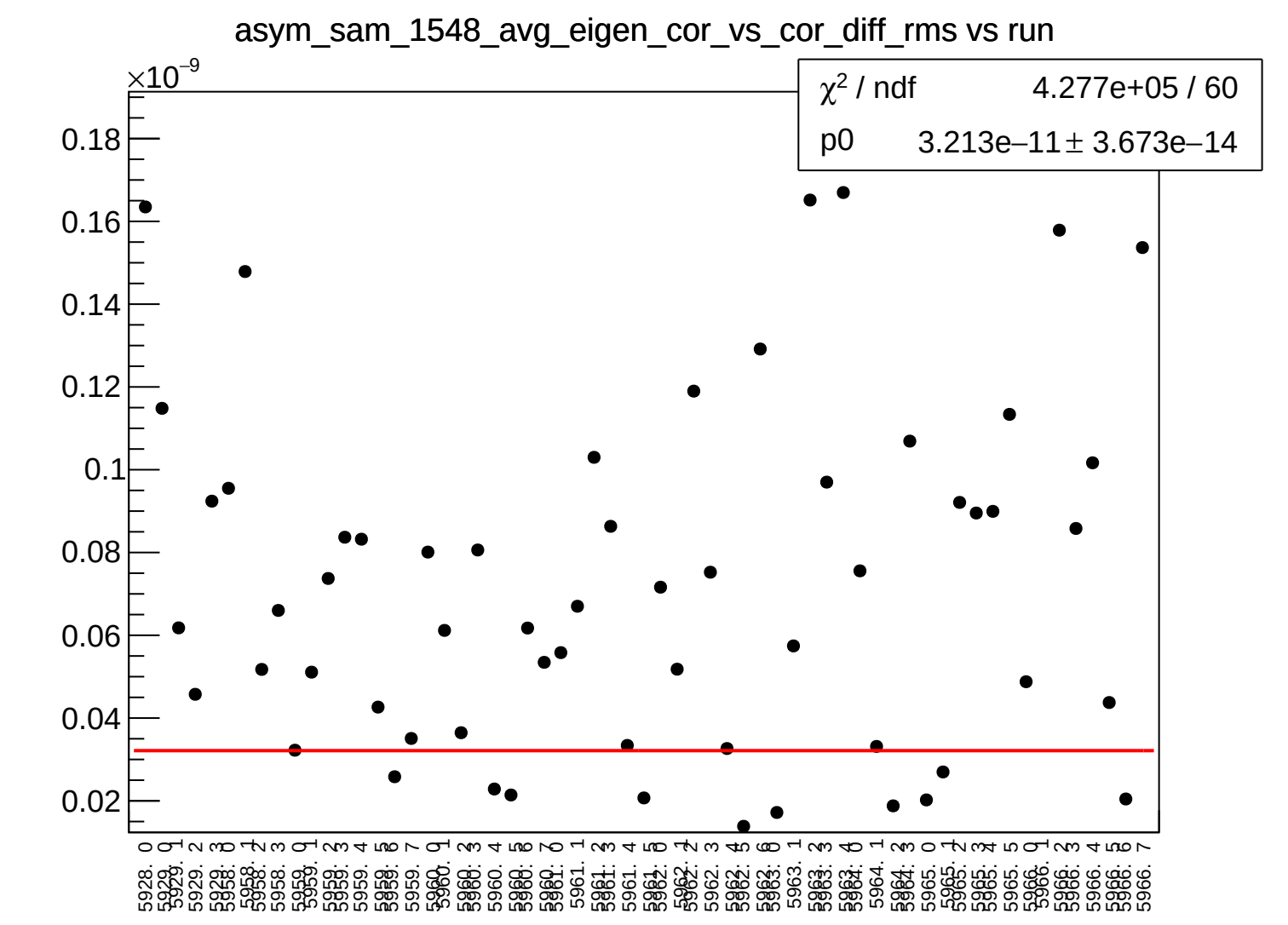

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.87 / 60
p0 −0.03881 ± 0.05256
pull
Entries 61
Mean −57.19
Std Dev 0

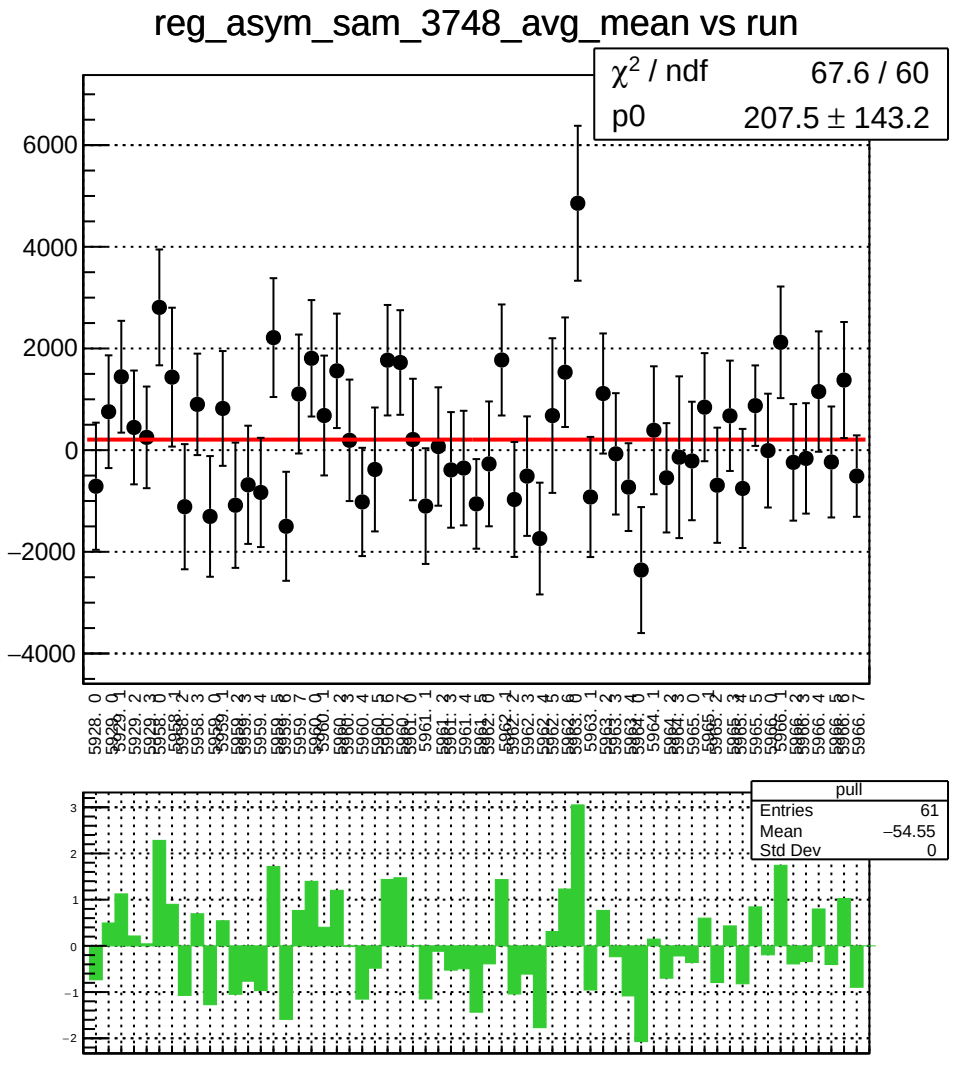

pull1D
Entries 61
Mean 0.02498
Std Dev 0.9567

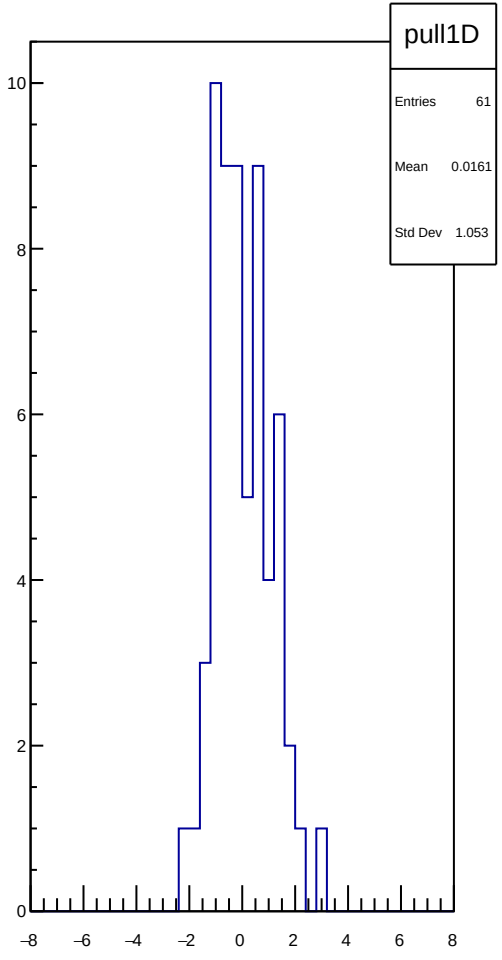

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.708e+04 / 60
p0 40.3 ± 0.03716
60
55
50
45
40
35
30

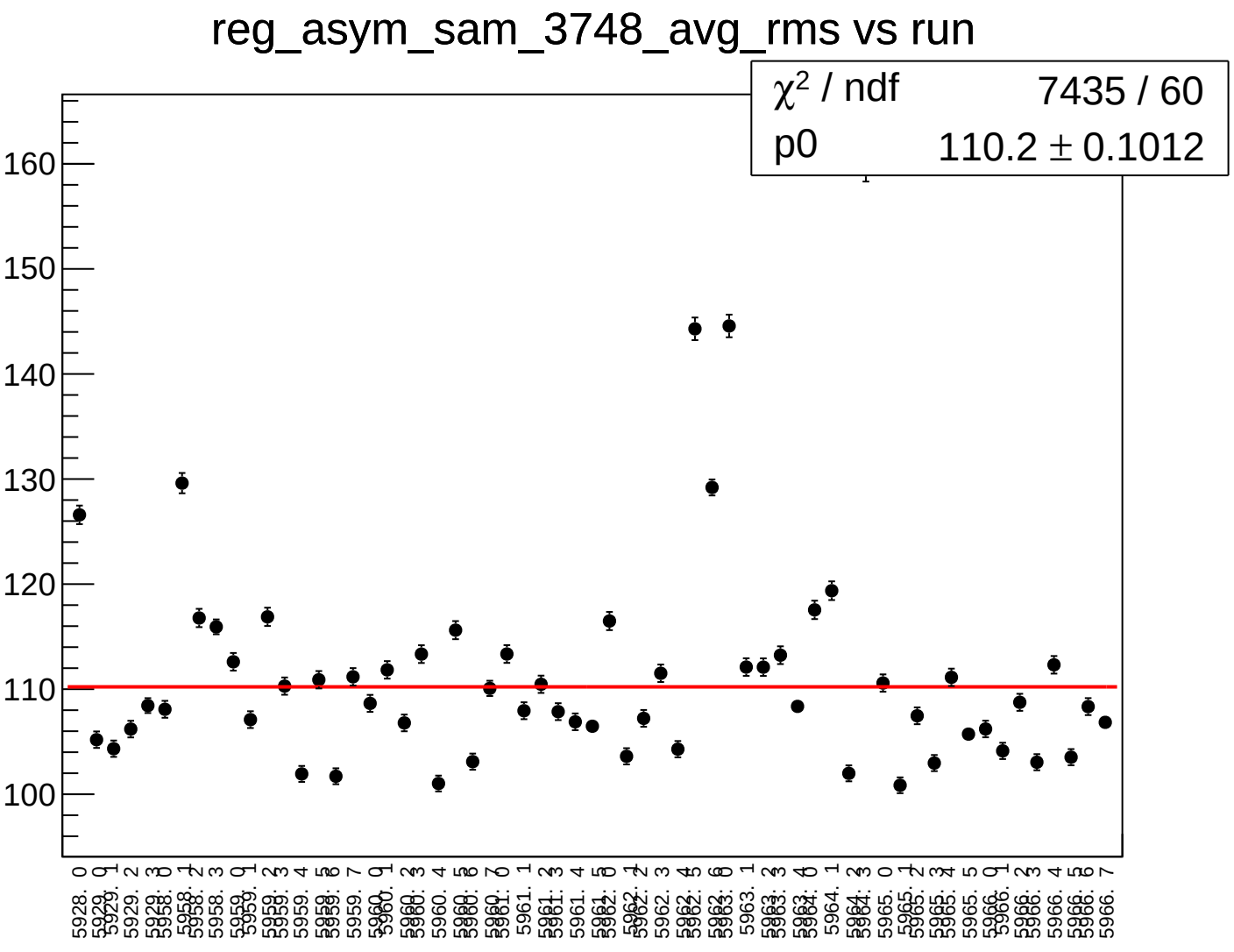

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.65 / 60
p0 3.035e−14 ± 5.194e−14
pull
Entries 61
Mean 36.8
Std Dev 43.51

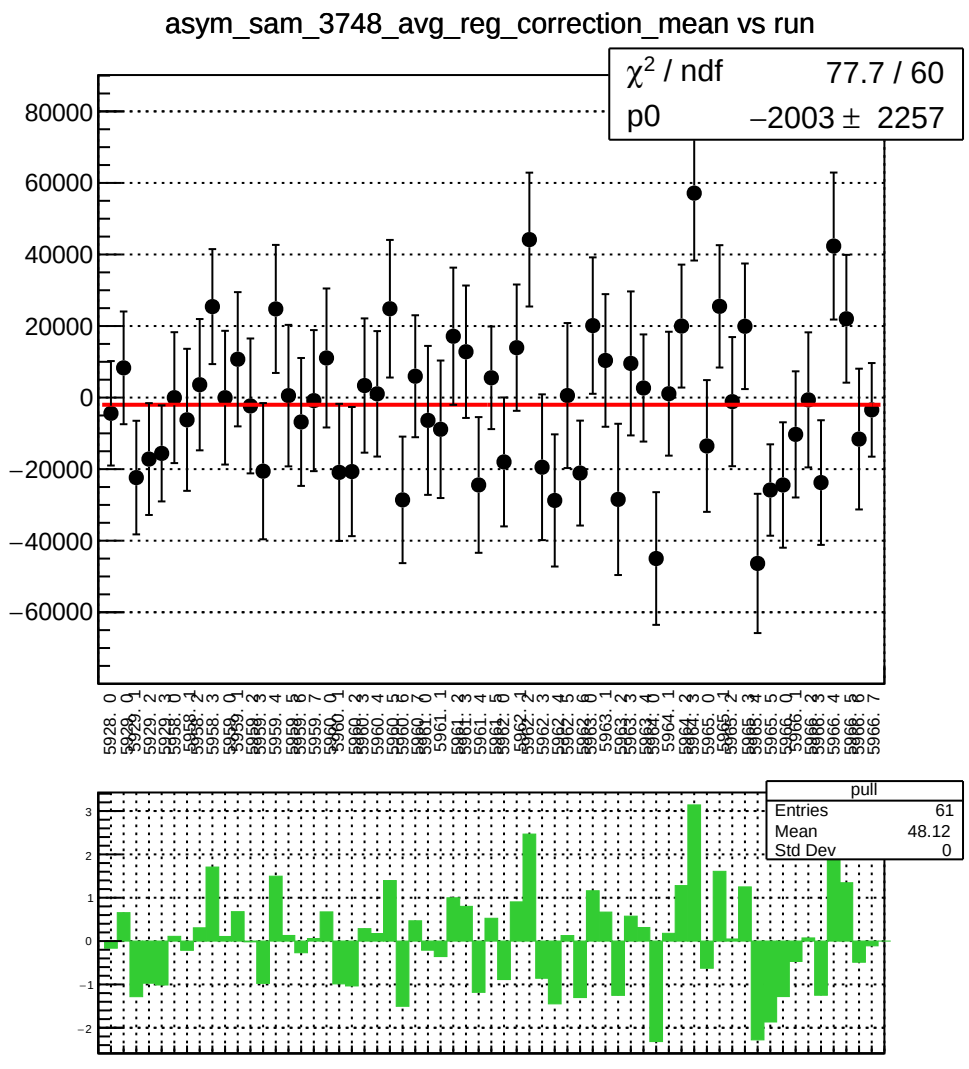

pull1D
Entries 61
Mean −0.03128
Std Dev 1.142

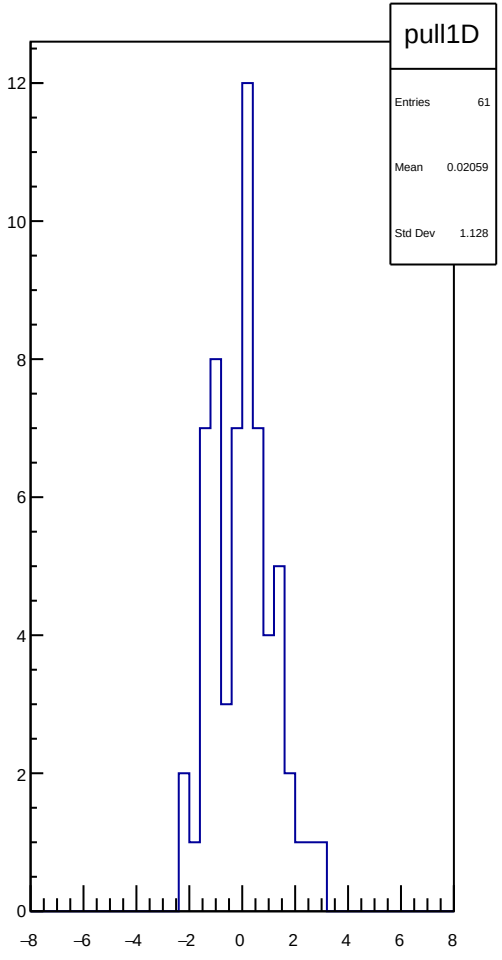

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.277e+05 / 60
p0 3.213e−11 ± 3.673e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

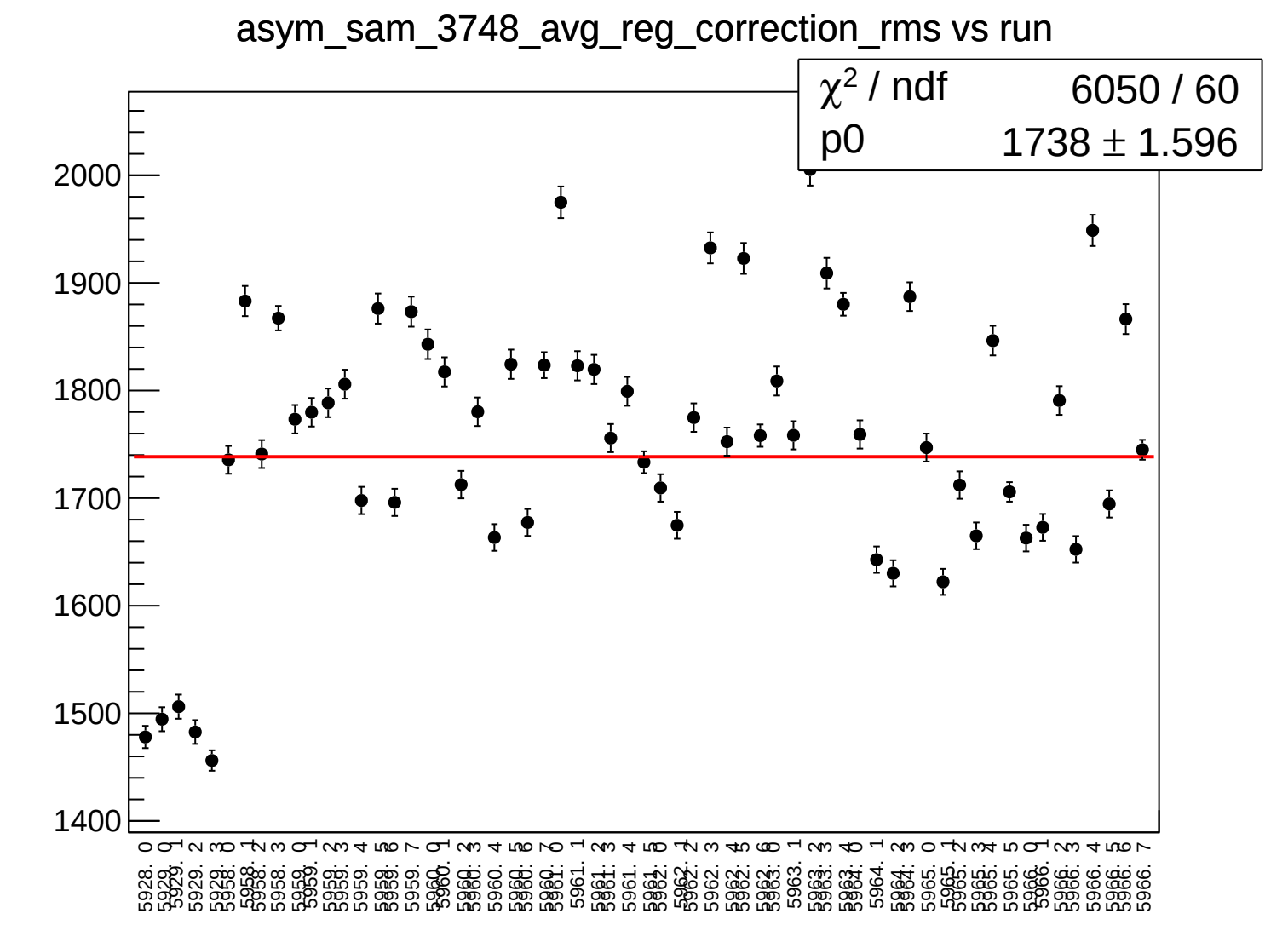

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 67.6 / 60
p0 207.5 ± 143.2
pull
Entries 61
Mean −54.55
Std Dev 0

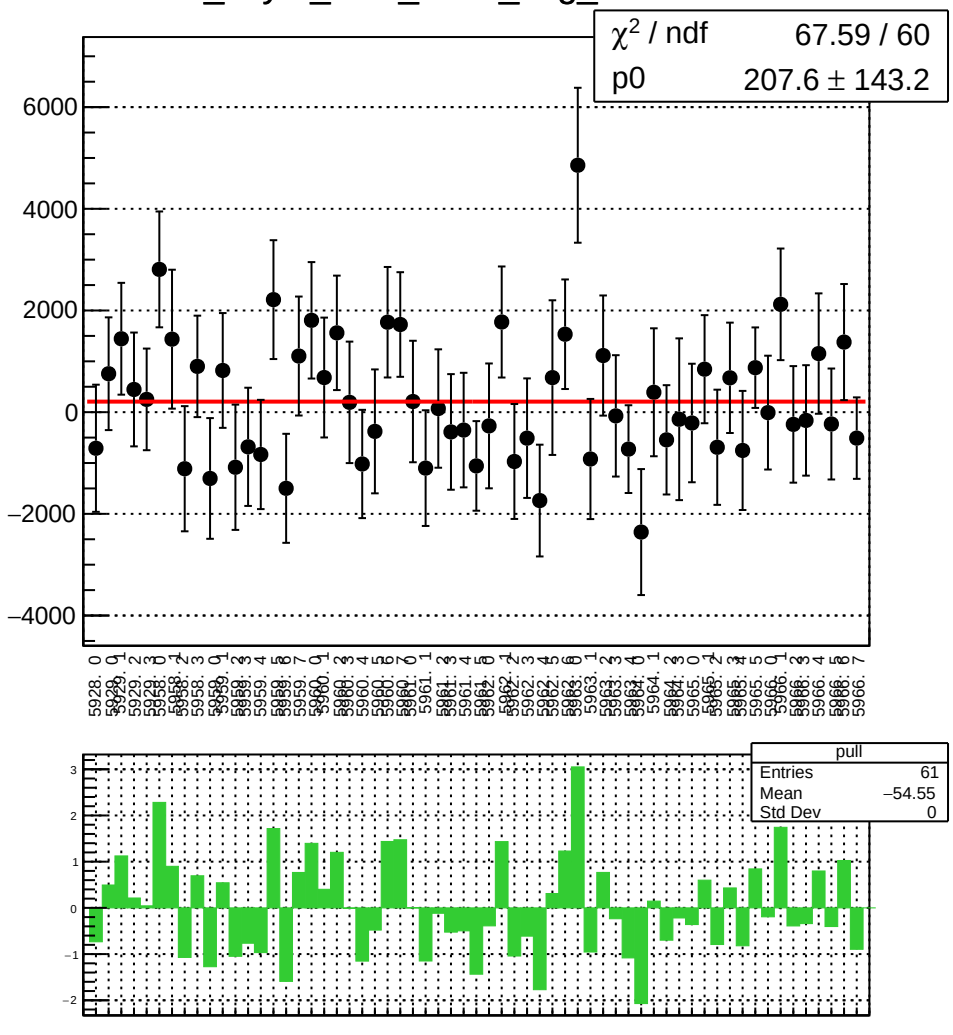

pull1D
Entries 61
Mean 0.0161
Std Dev 1.053

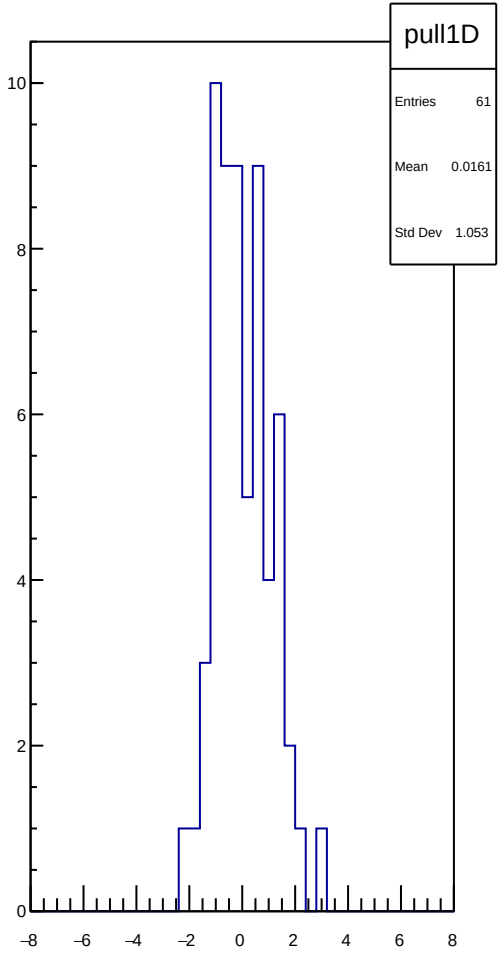

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 7435 / 60
p0 110.2 ± 0.1012
160
150
140
130
120
110
100

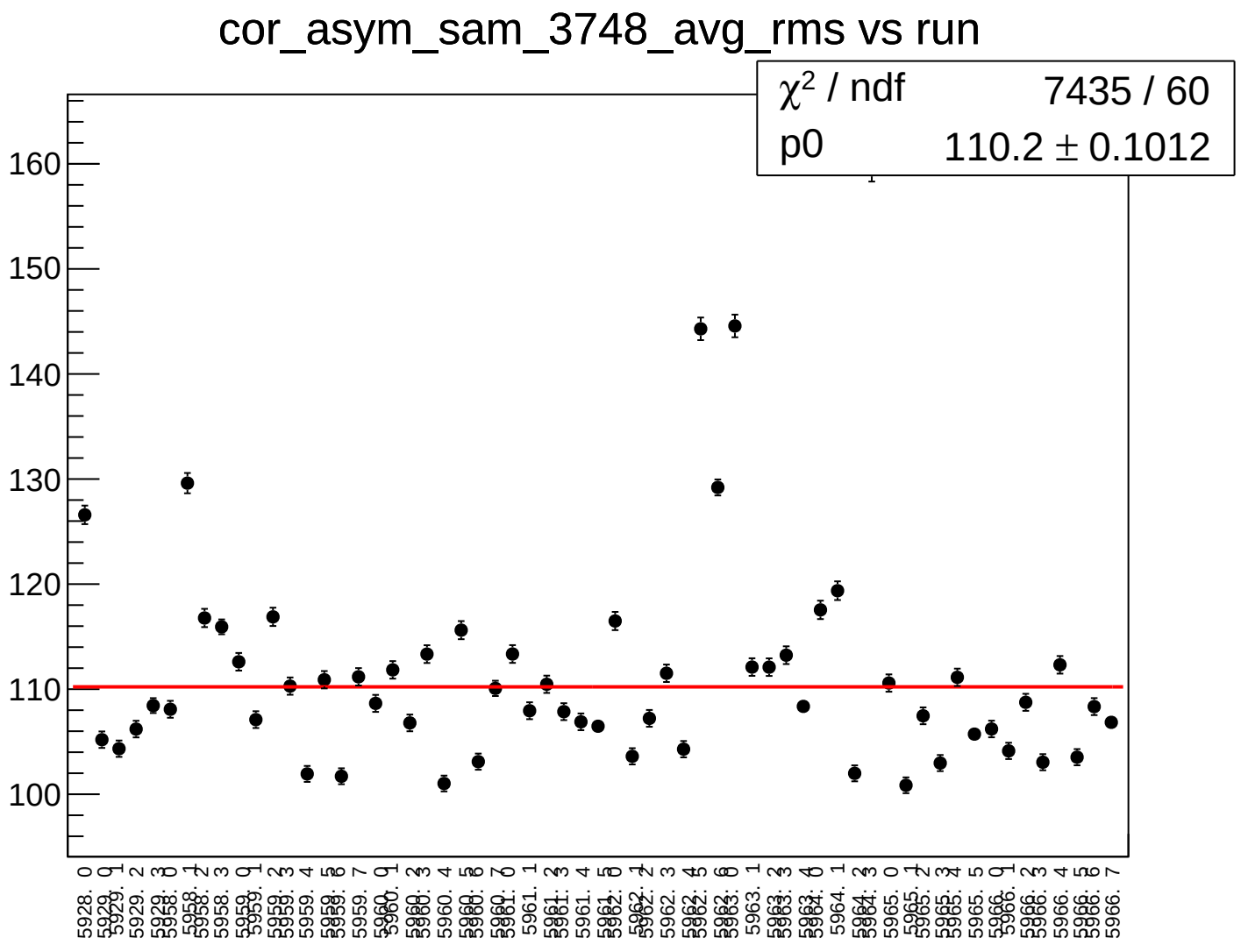

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 77.7 / 60
p0 −2003 ± 2257
pull
Entries 61
Mean 48.12
Std Dev 0

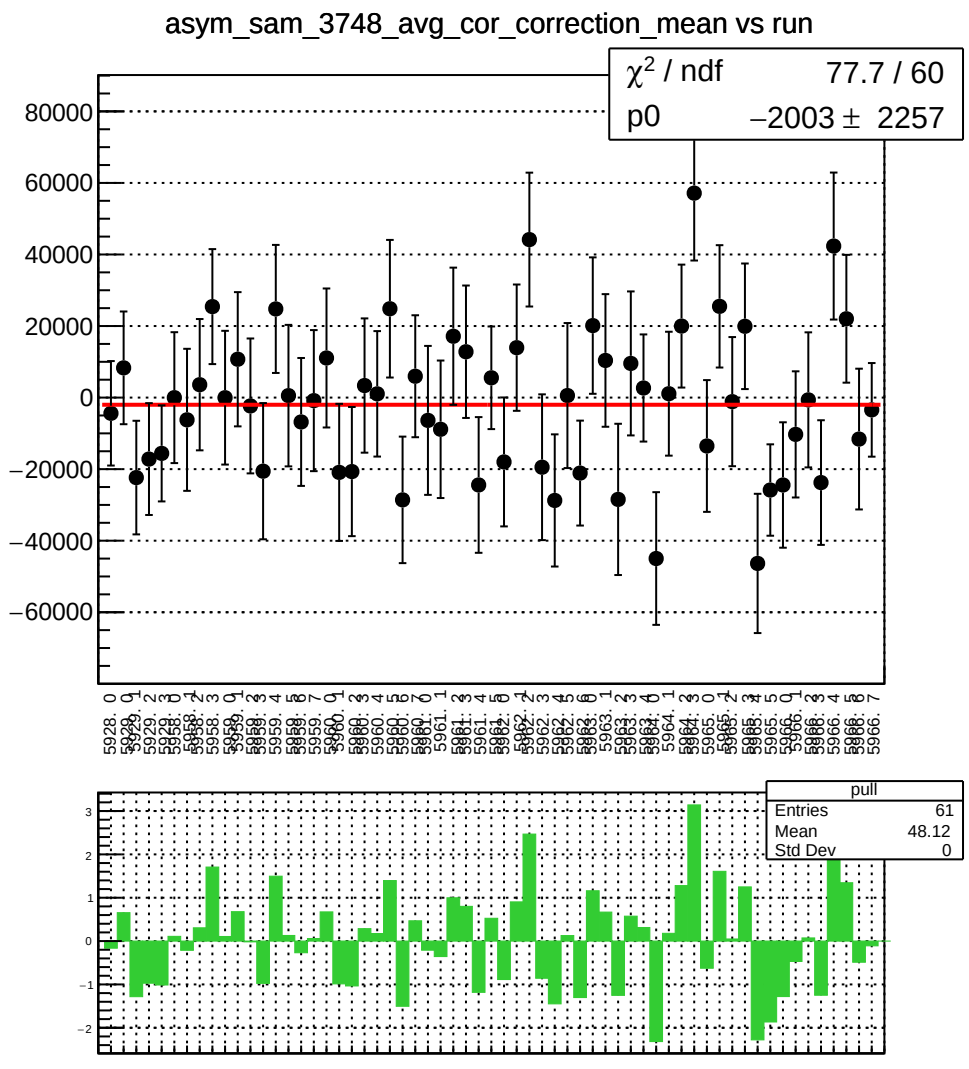

pull1D
Entries 61
Mean 0.02059
Std Dev 1.128

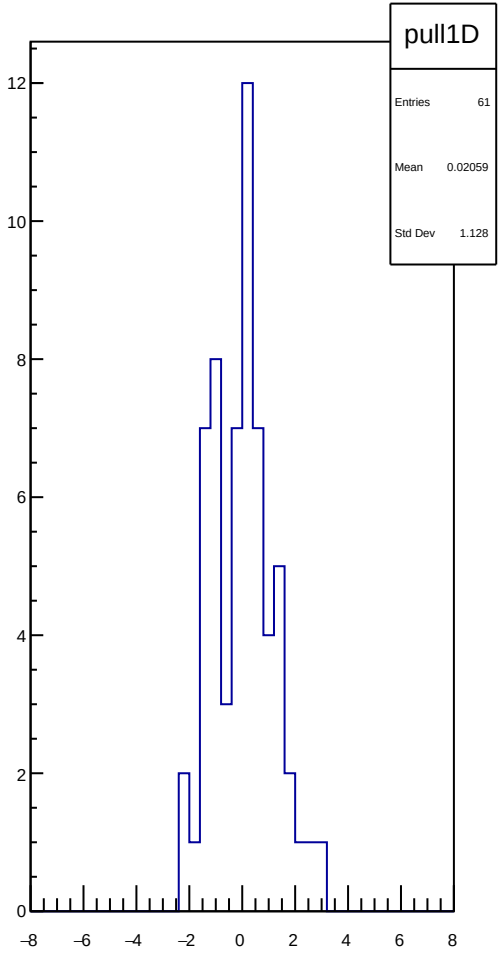

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 6050 / 60
p0 1738 ± 1.596
2000
1900
1800
1700
1600
1500
1400

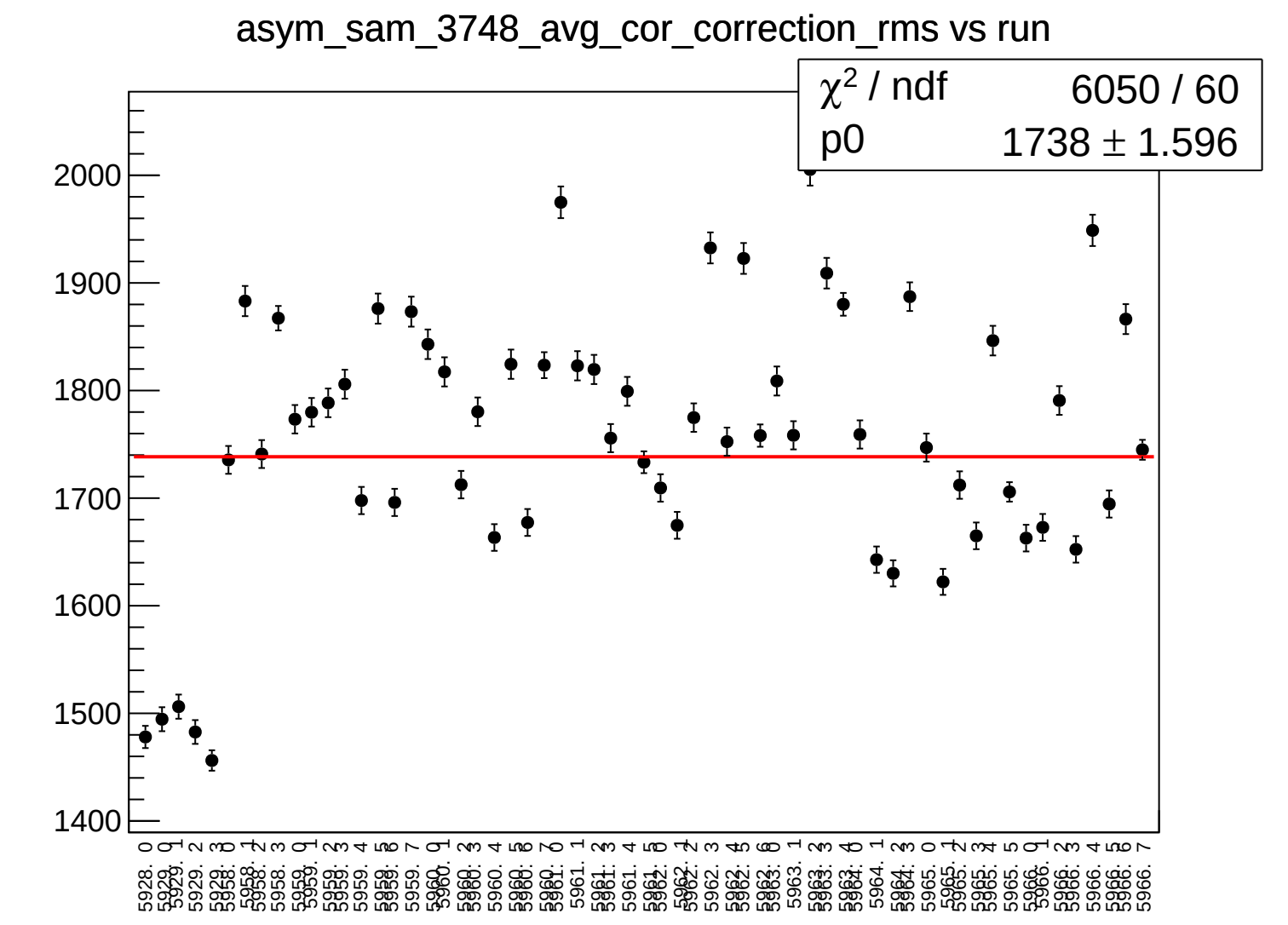

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 67.59 / 60
p0 207.6 ± 143.2
pull
Entries 61
Mean −54.55
Std Dev 0

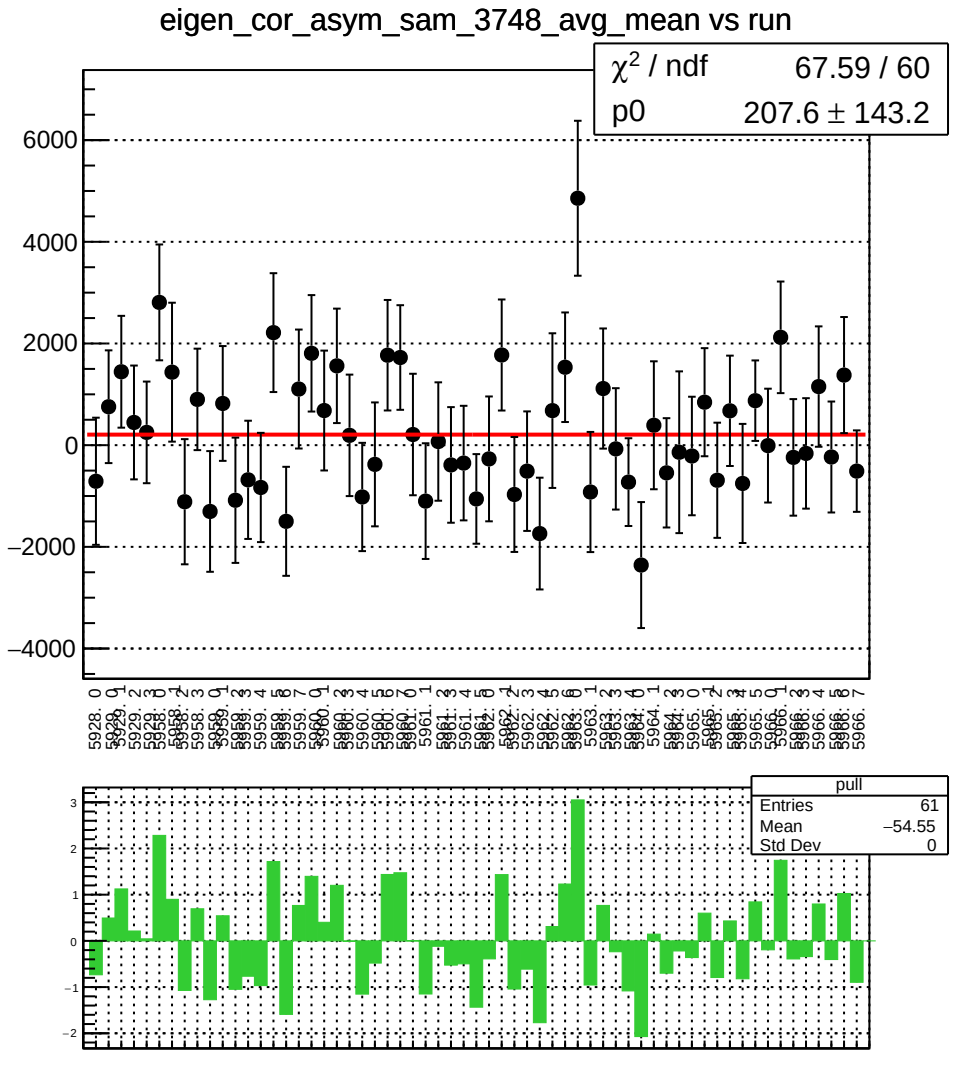

pull1D
Entries 61
Mean 0.0161
Std Dev 1.053

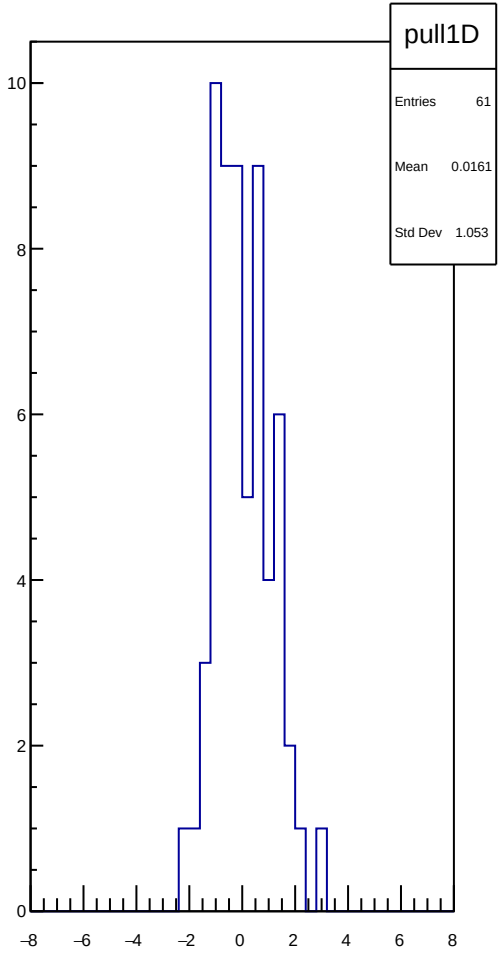

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7435 / 60
p0 110.2 ± 0.1012
160
150
140
130
120
110
100

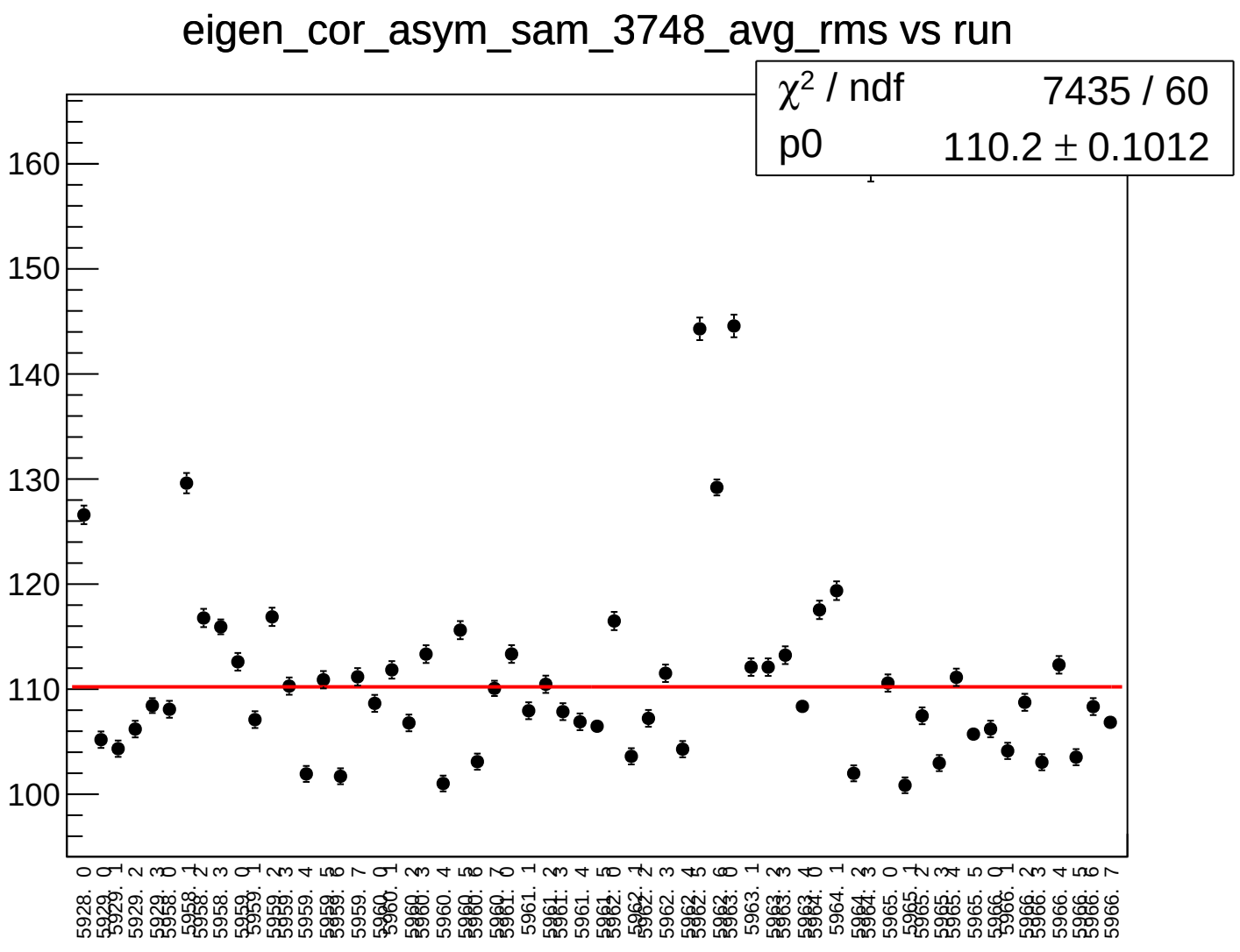

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 77.7 / 60
p0 −2003 ± 2257
pull
Entries 61
Mean 48.12
Std Dev 0

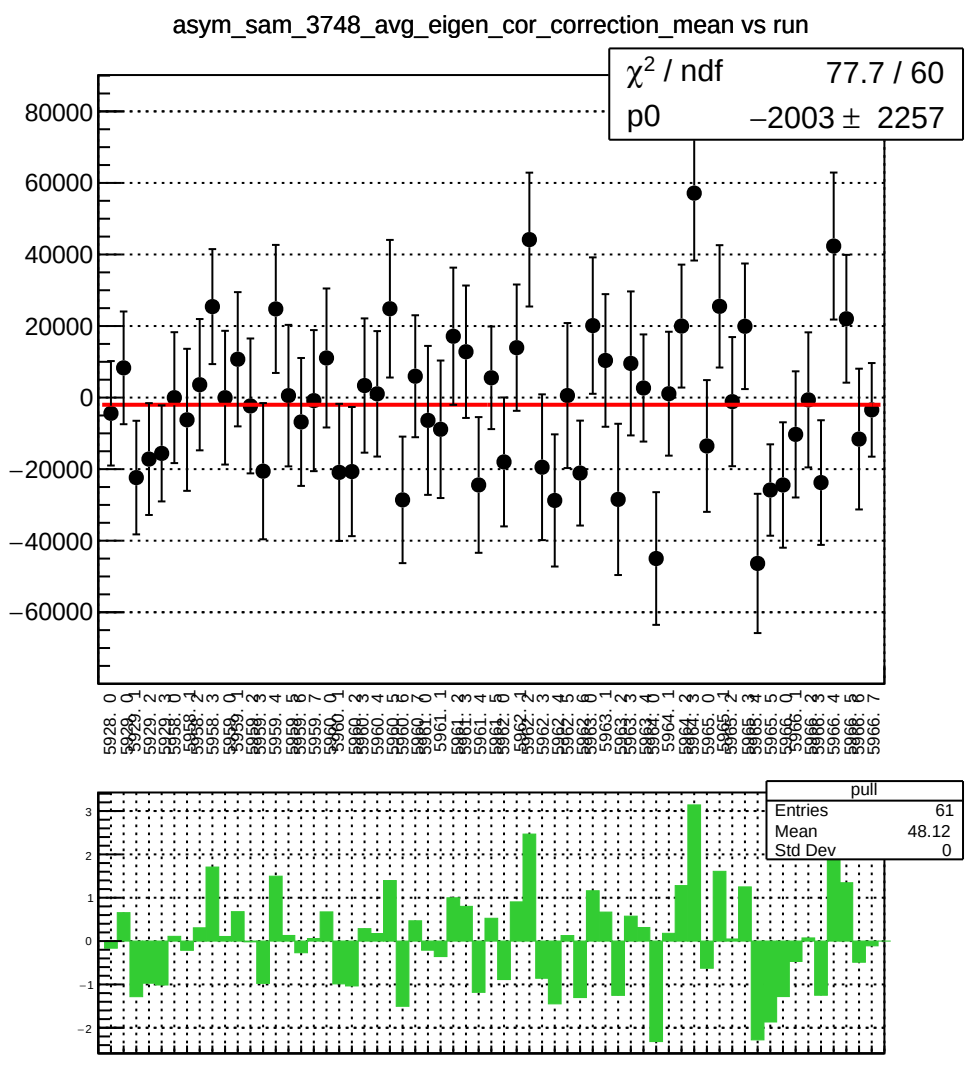

pull1D
Entries 61
Mean 0.02059
Std Dev 1.128

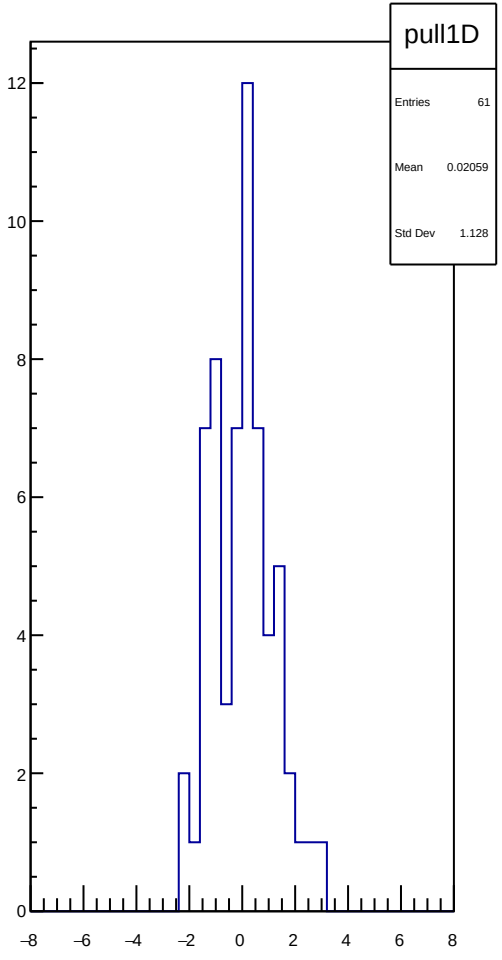

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 6050 / 60
p0 1738 ± 1.596
2000
1900
1800
1700
1600
1500
1400

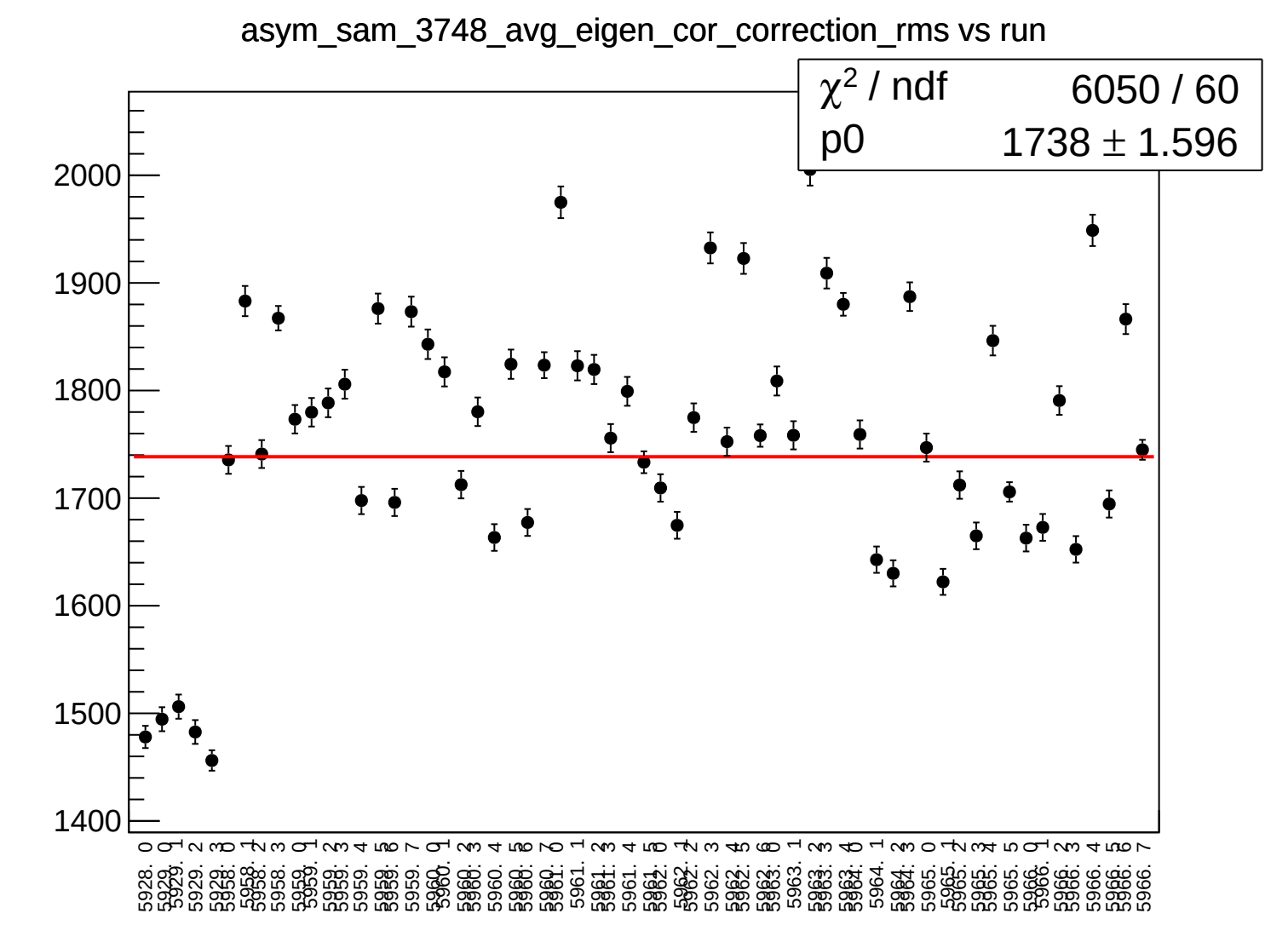

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 67.59 / 60
p0 207.6 ± 143.2
pull
Entries 61
Mean −54.55
Std Dev 0

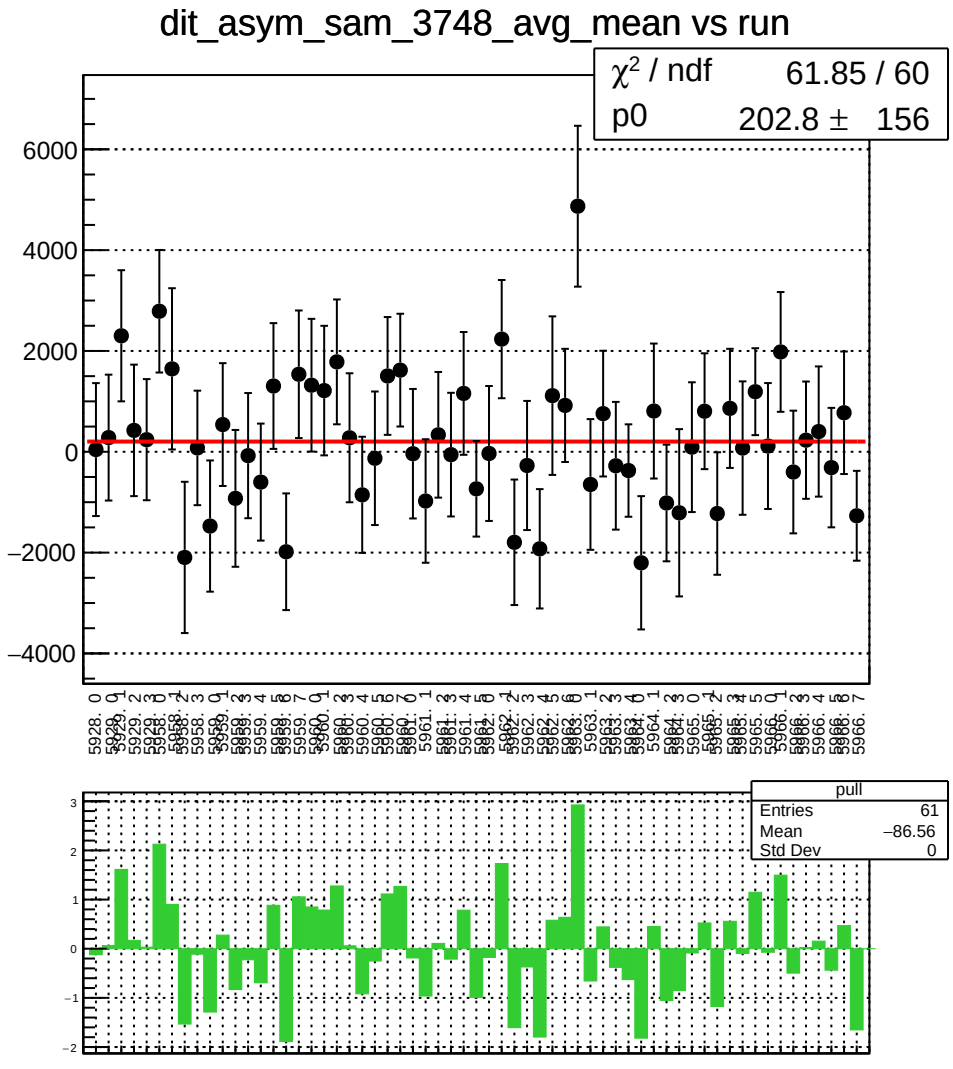

pull1D
Entries 61
Mean 0.0161
Std Dev 1.053

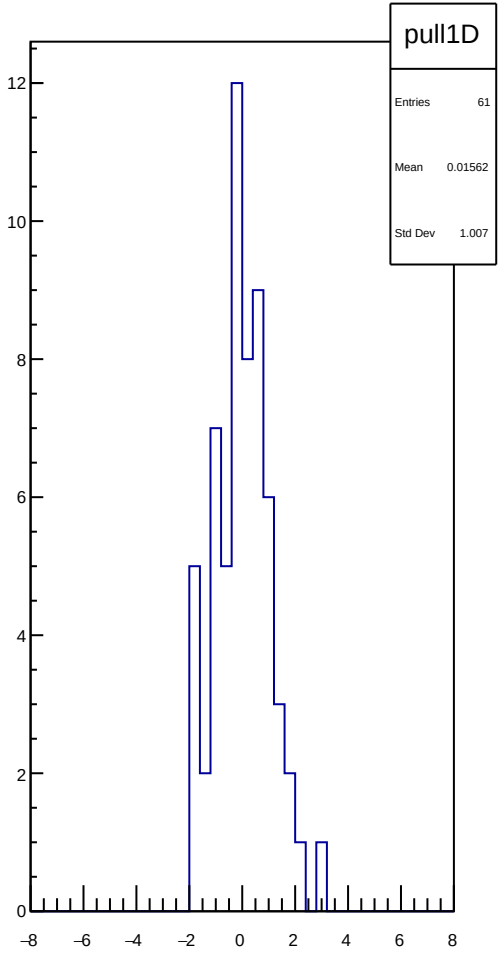

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7435 / 60
p0 110.2 ± 0.1012
160
150
140
130
120
110
100

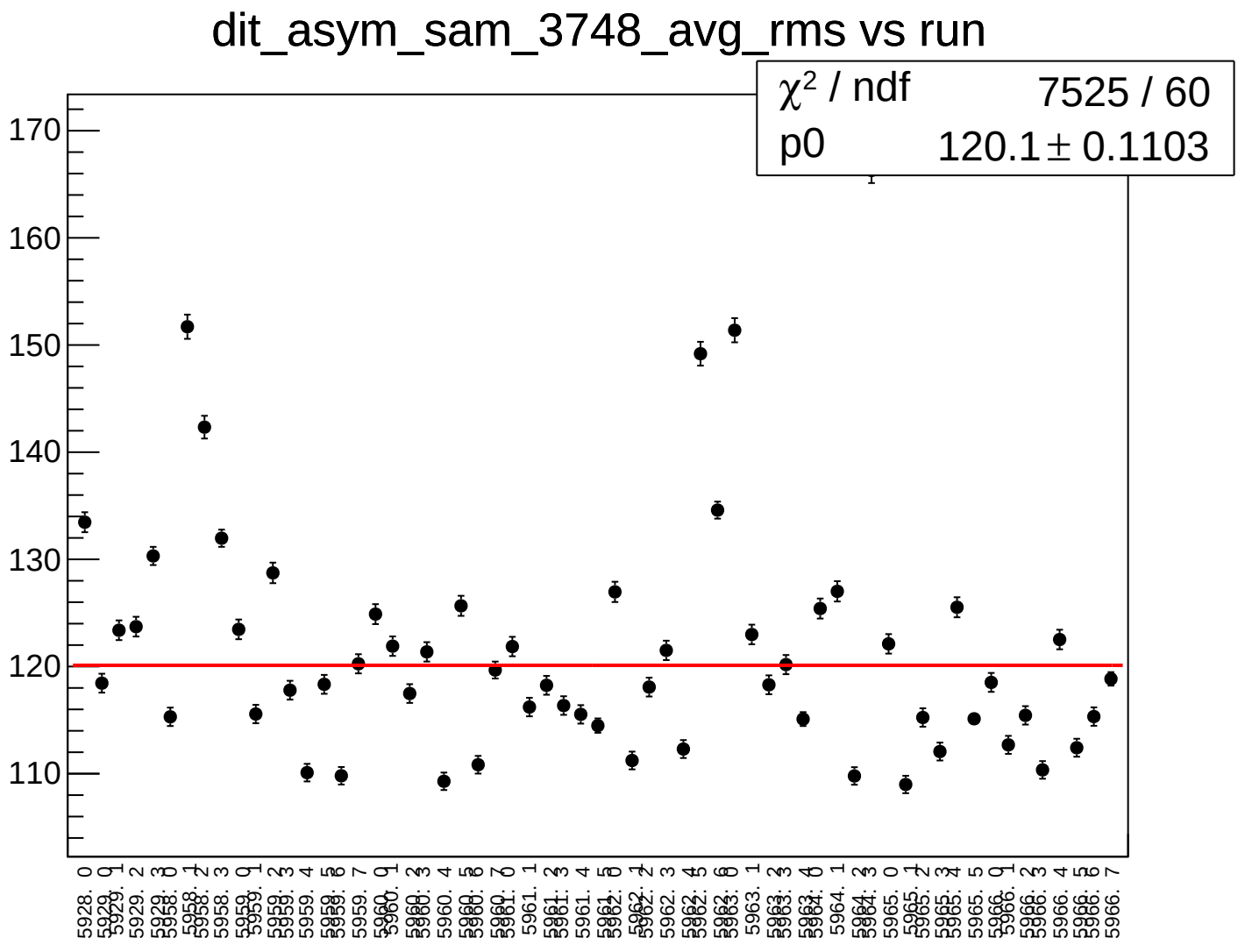

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.7 / 60
p0 −2003 ± 2257
pull
Entries 61
Mean 48.12
Std Dev 0

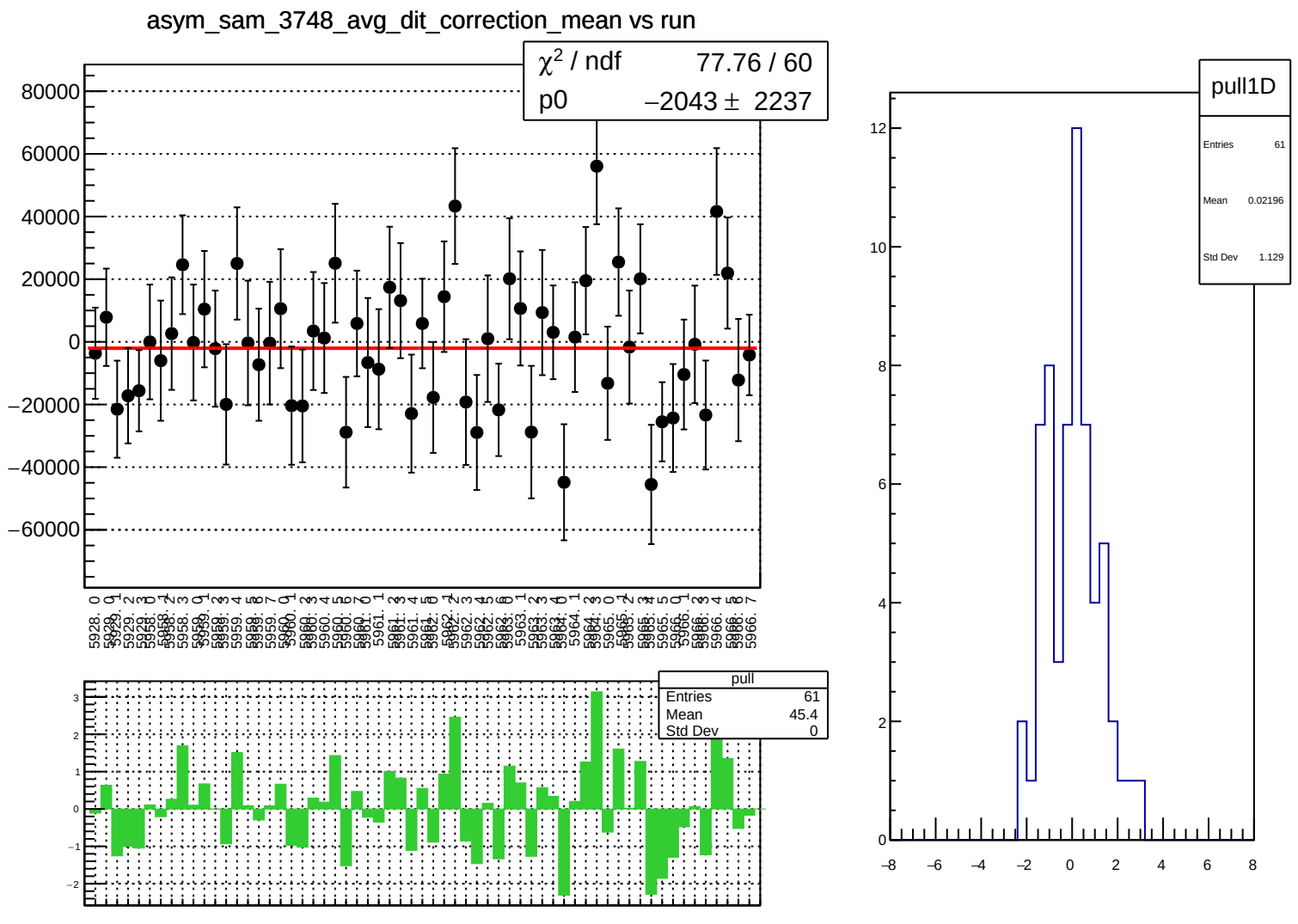

pull1D
Entries 61
Mean 0.02059
Std Dev 1.128

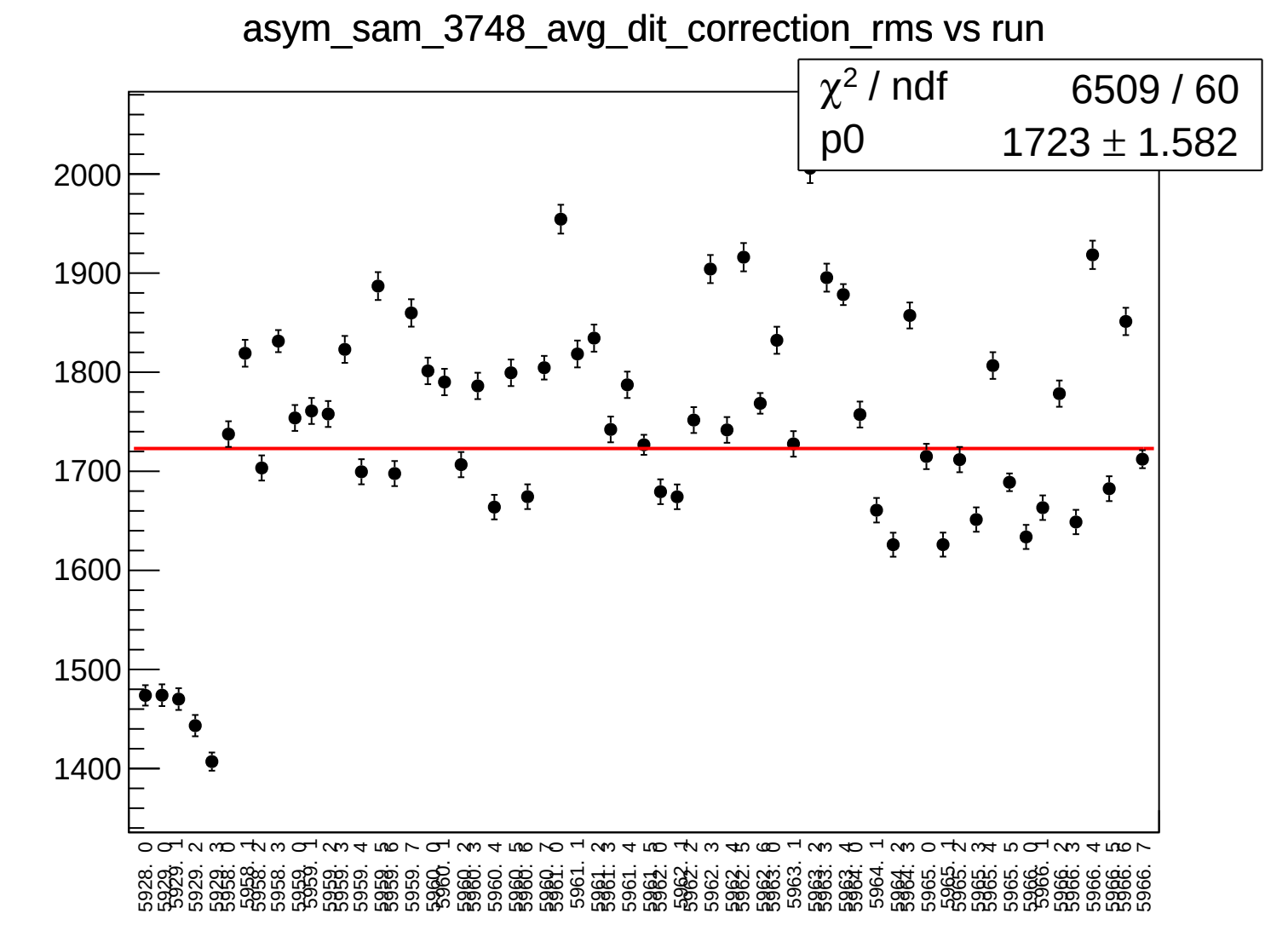

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 6050 / 60
p0 1738 ± 1.596
2000
1900
1800
1700
1600
1500
1400

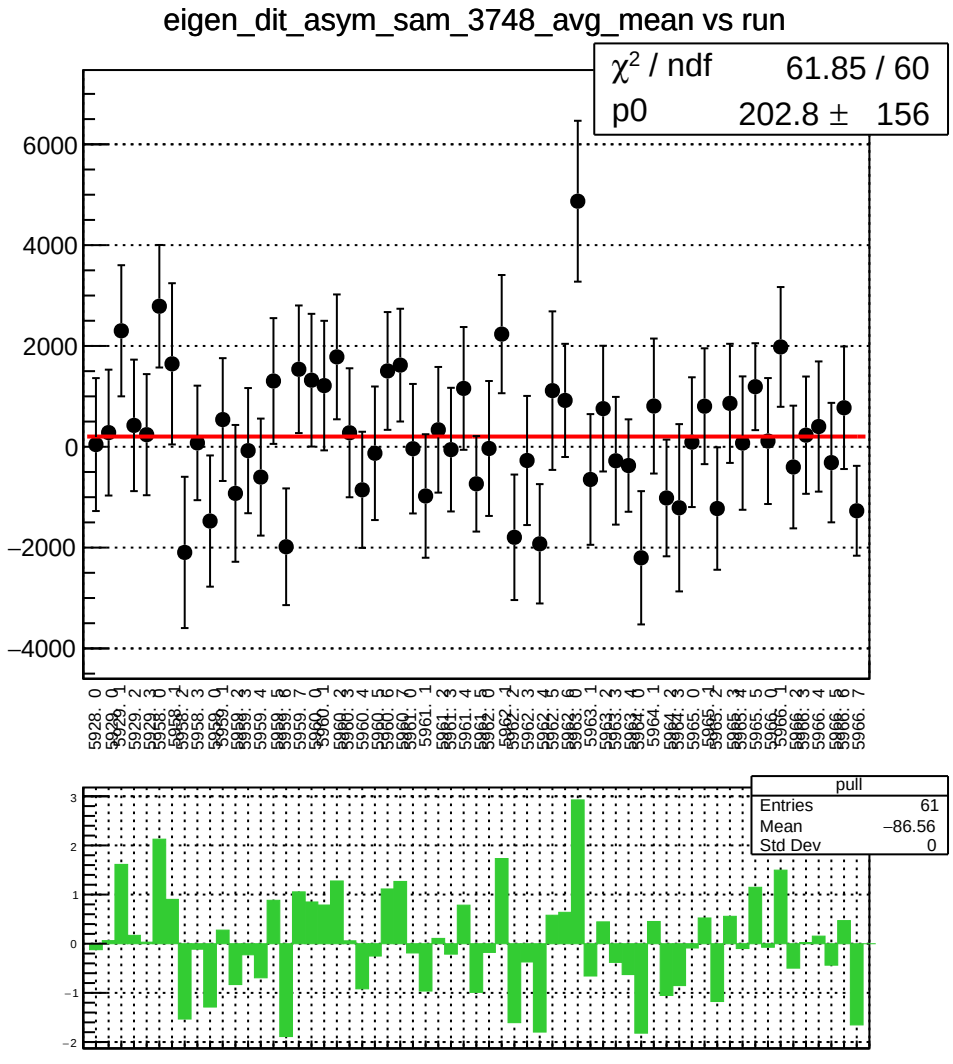

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 61.85 / 60
p0 202.8 ± 156
pull
Entries 61
Mean −86.56
Std Dev 0

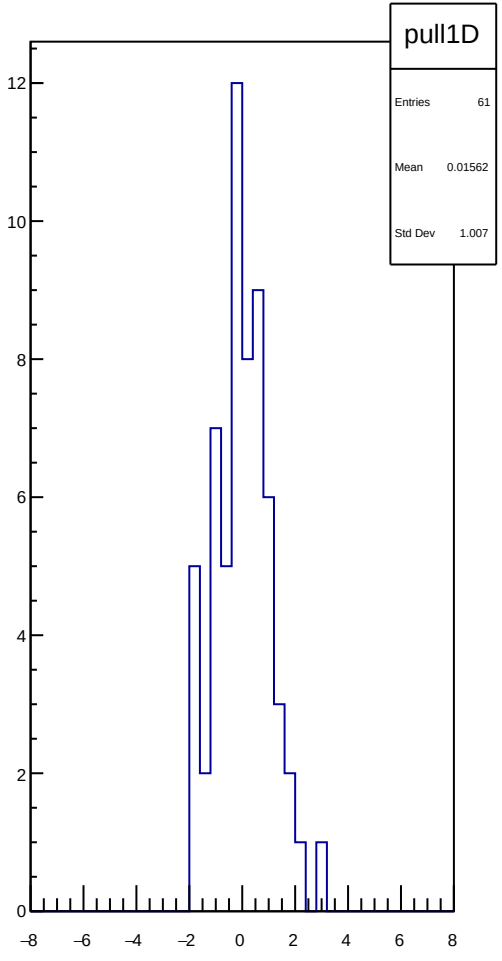

pull1D
Entries 61
Mean 0.01562
Std Dev 1.007

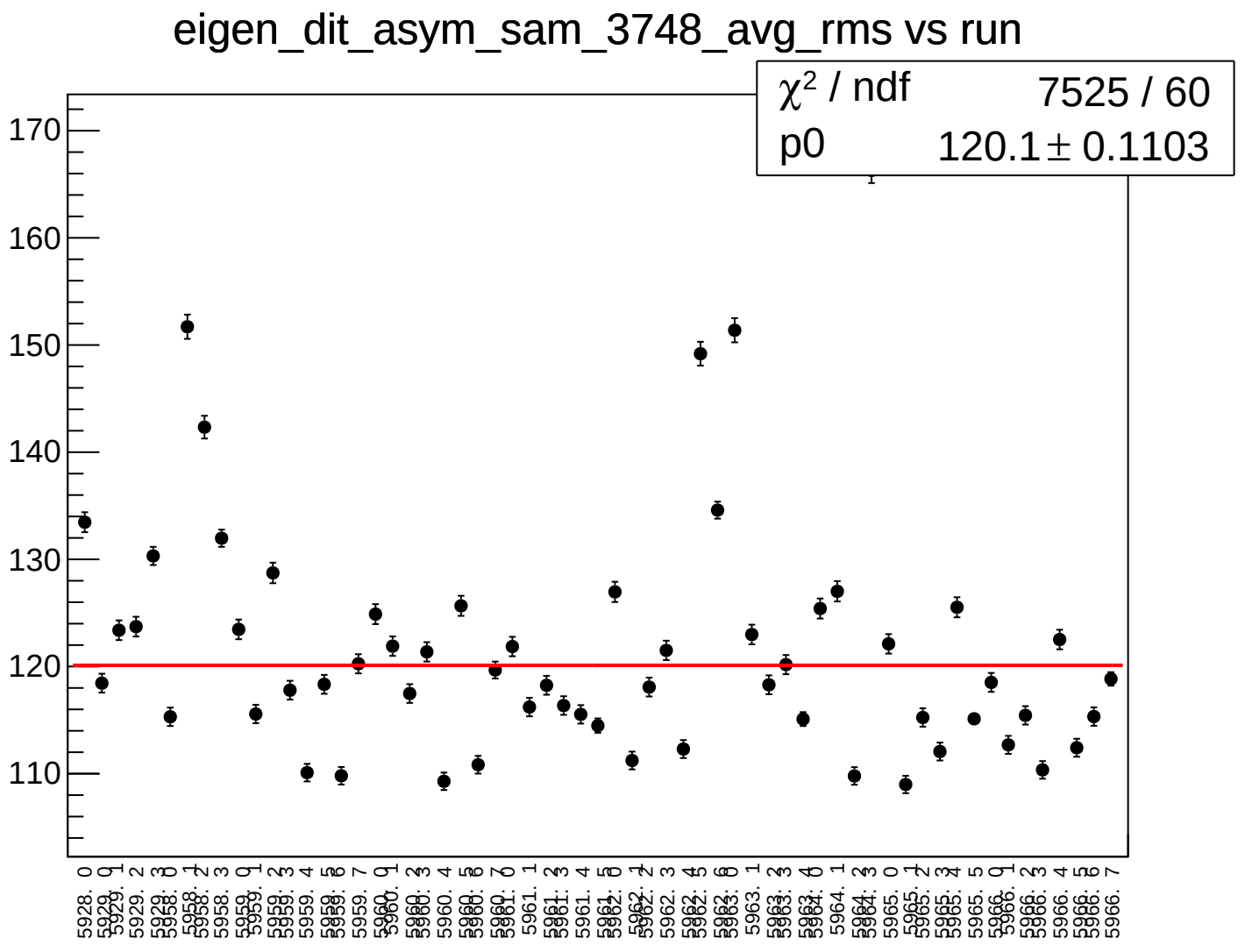

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7525 / 60
p0 120.1 ± 0.1103
170
160
150
140
130
120
110

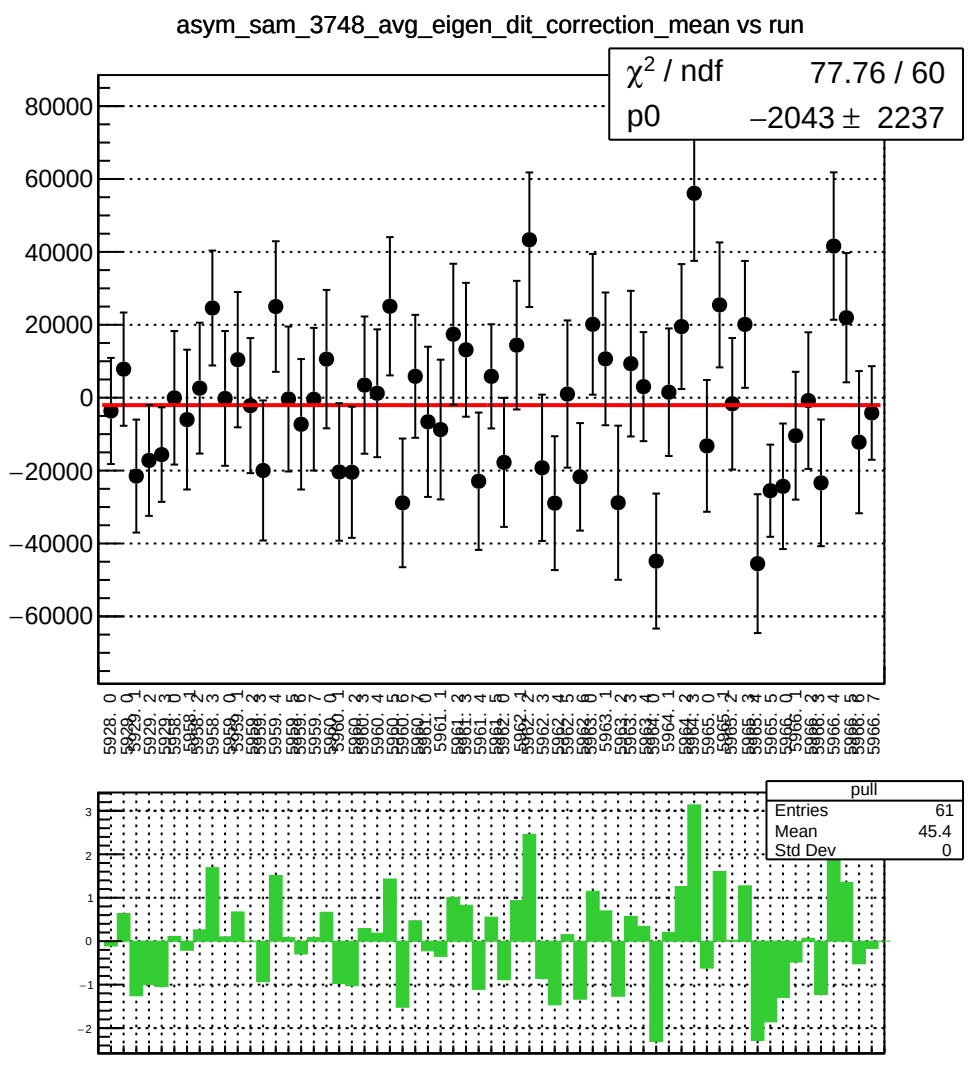

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 77.76 / 60
p0 −2043 ± 2237
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 45.4
Std Dev 0
pull1D
Entries 61
Mean 0.02196
Std Dev 1.129
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

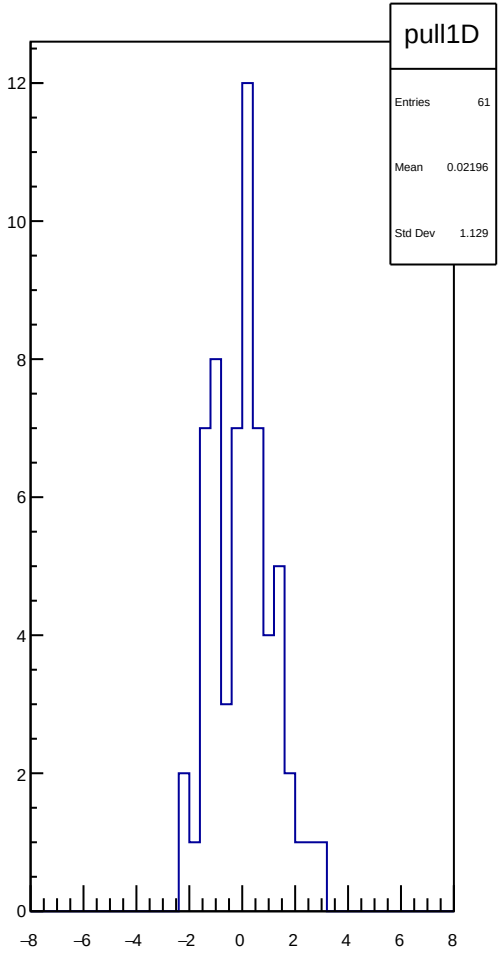

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 6509 / 60
p0 1723 ± 1.582
2000
1900
1800
1700
1600
1500
1400

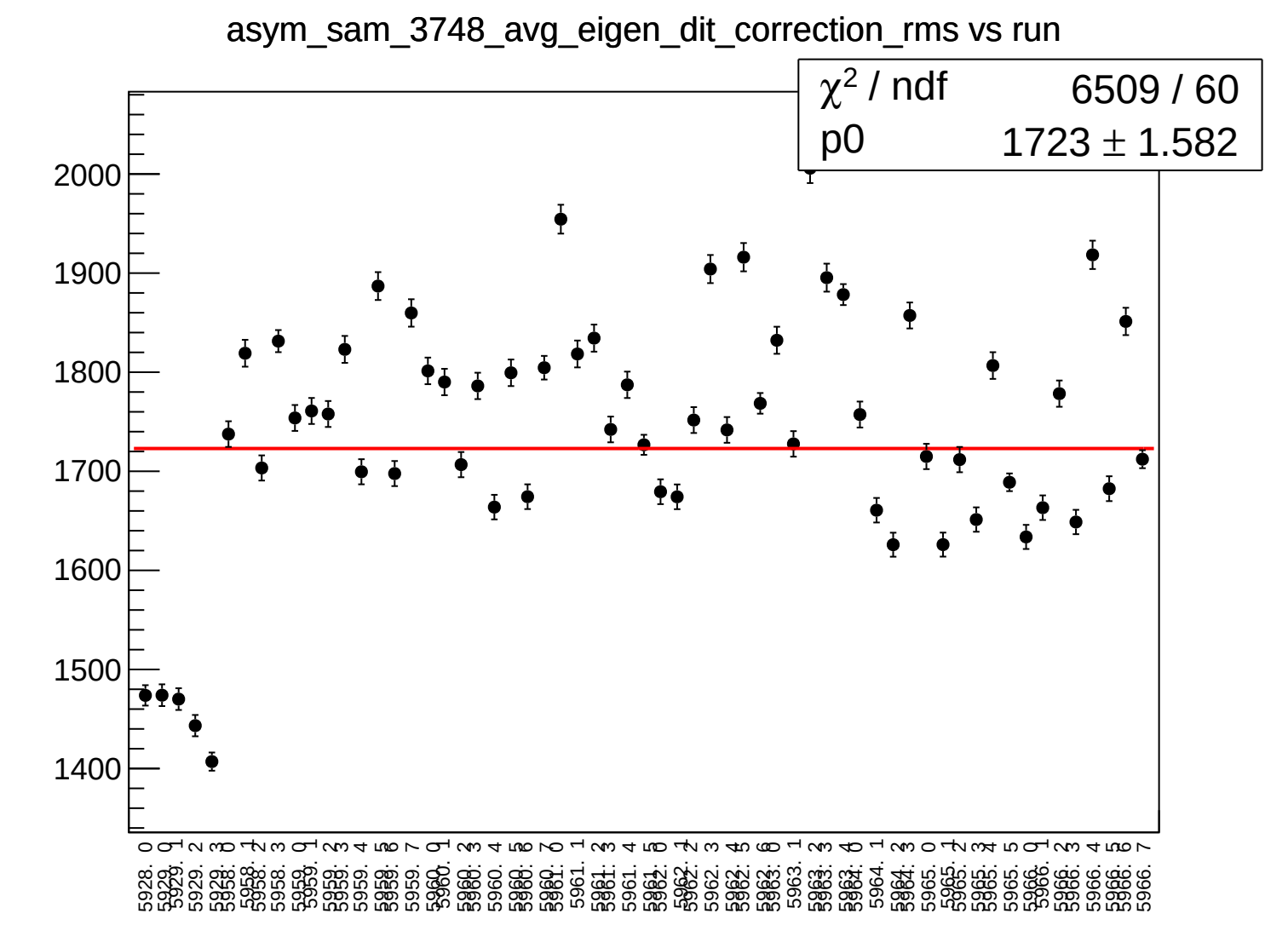

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 61.85 / 60
p0 202.8 ± 156
pull
Entries 61
Mean −86.56
Std Dev 0

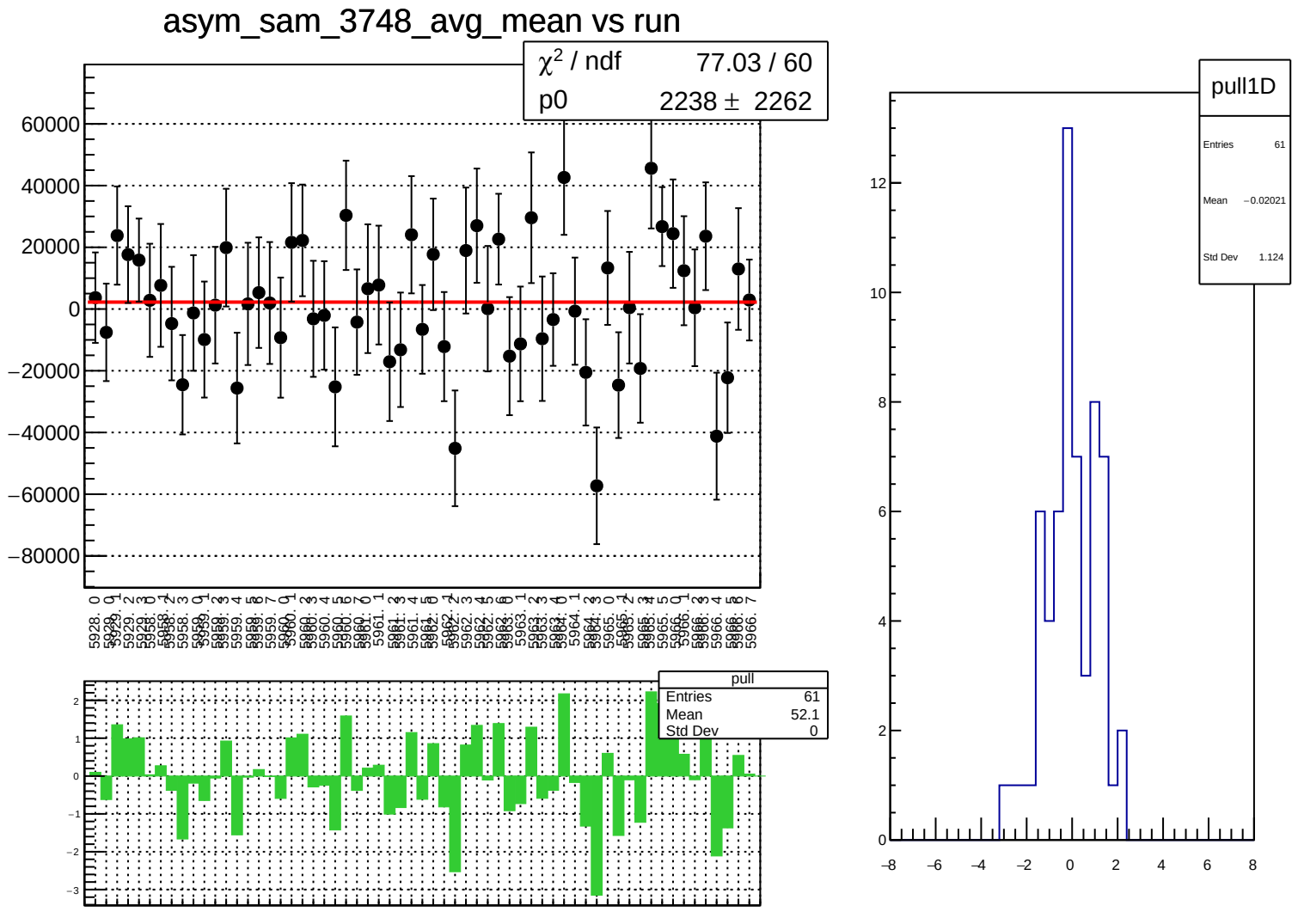

pull1D
Entries 61
Mean 0.01562
Std Dev 1.007

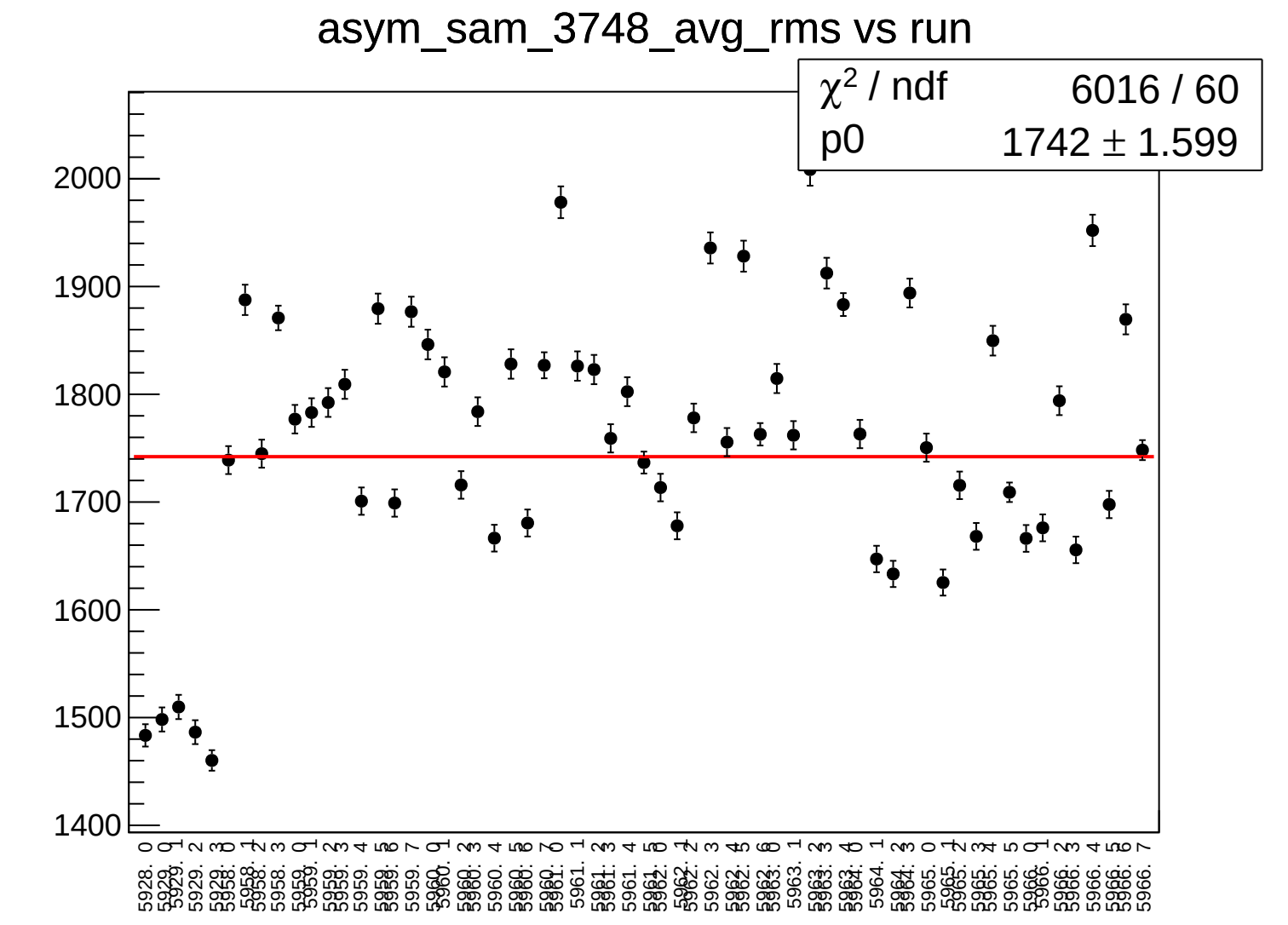

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7525 / 60
p0 120.1 ± 0.1103
170
160
150
140
130
120
110

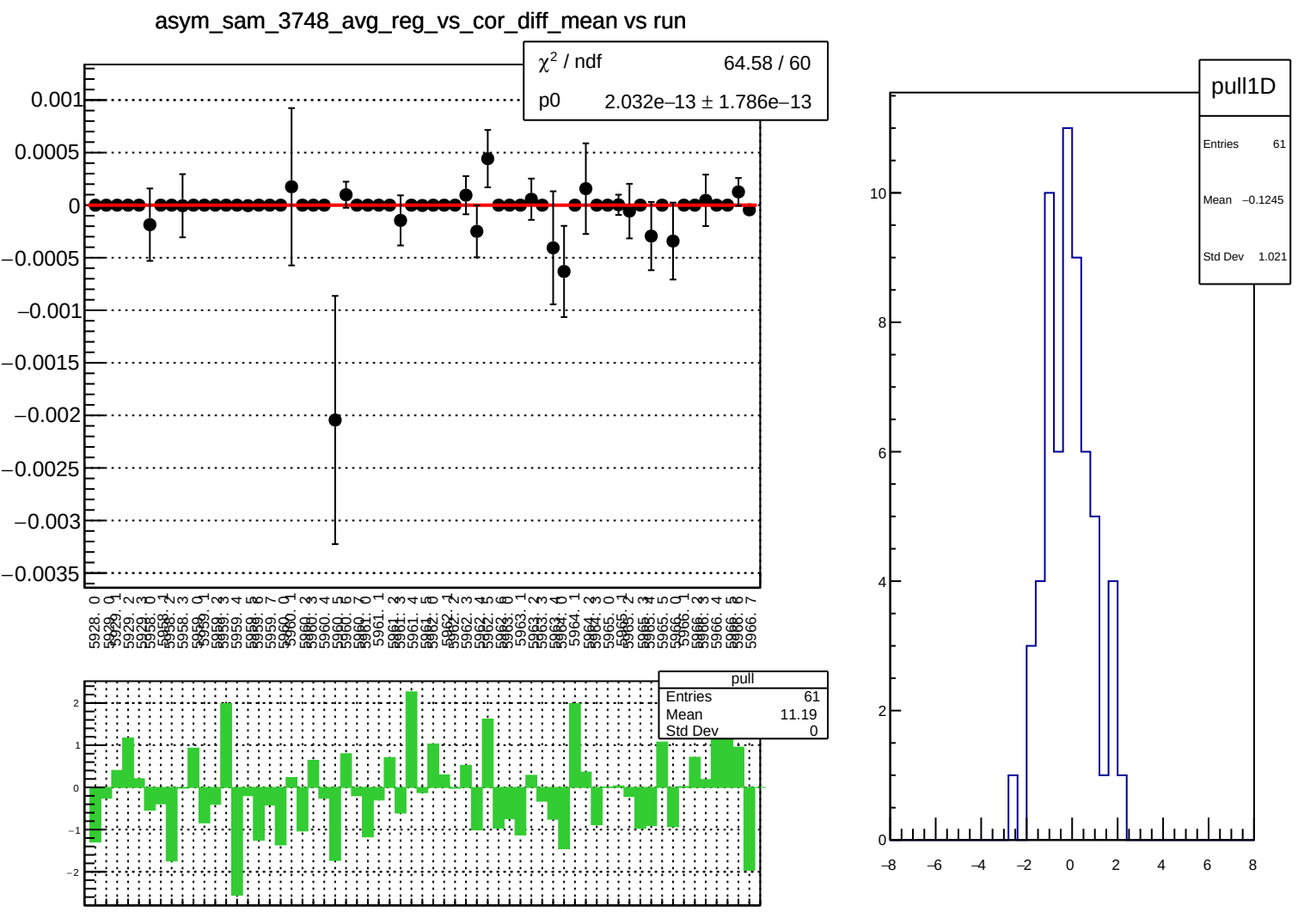

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 77.76 / 60
p0 −2043 ± 2237
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 45.4
Std Dev 0
3
2
1
0
−1
−2

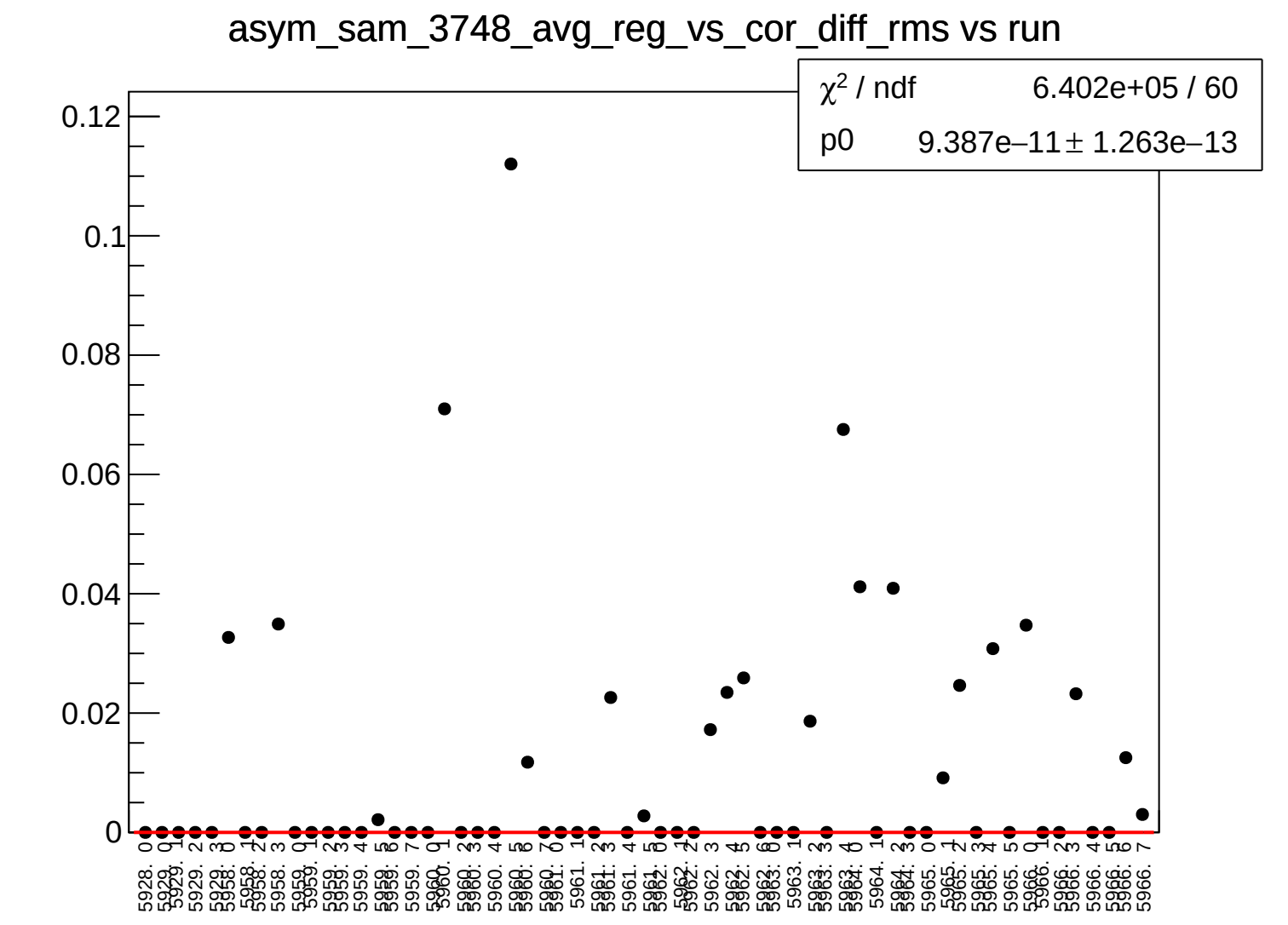

pull1D
Entries 61
Mean 0.02196
Std Dev 1.129
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

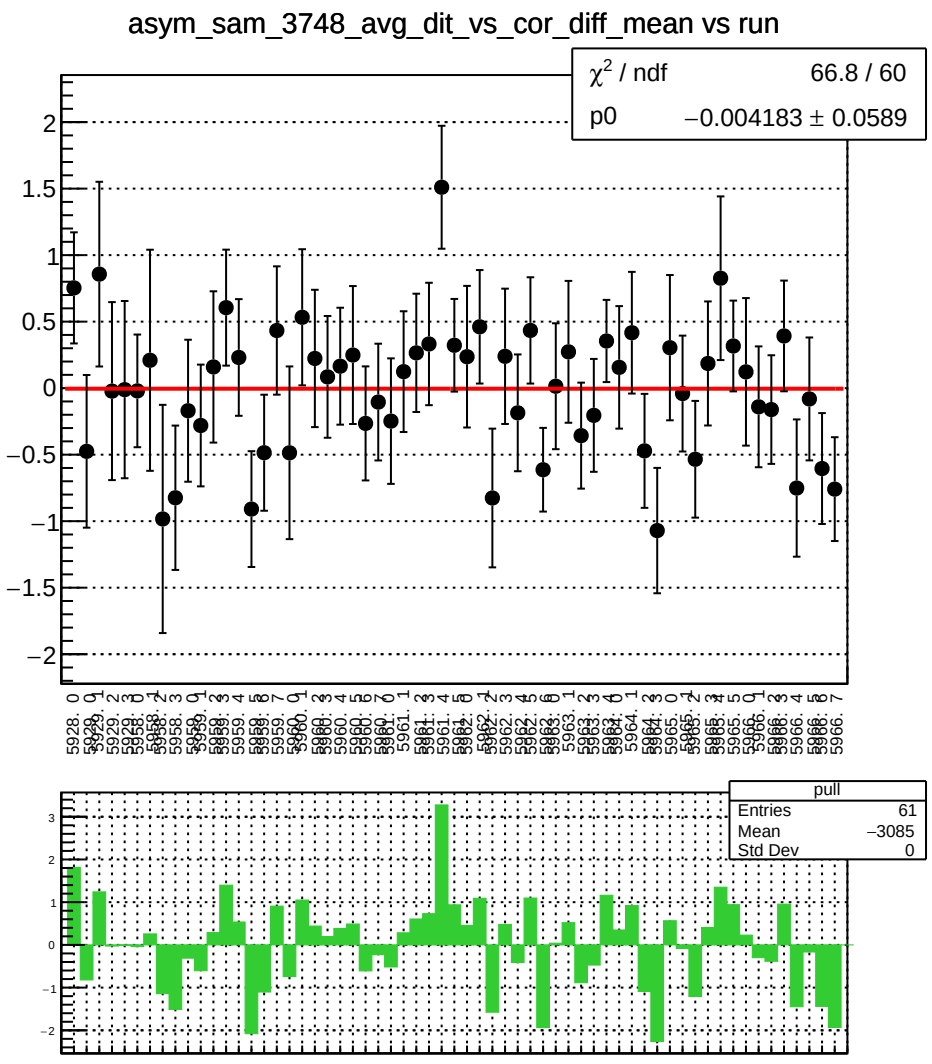

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 6509 / 60
p0 1723 ± 1.582
2000
1900
1800
1700
1600
1500
1400

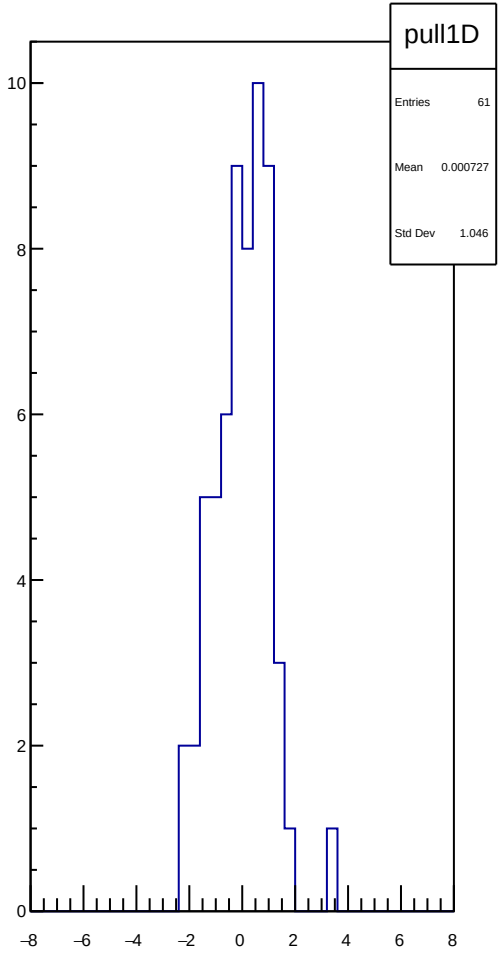

asym_sam_3748_avg_mean vs run
χ² / ndf 77.03 / 60
p0 2238 ± 2262
pull
Entries 61
Mean 52.1
Std Dev 0
pull1D
Entries 61
Mean −0.02021
Std Dev 1.124

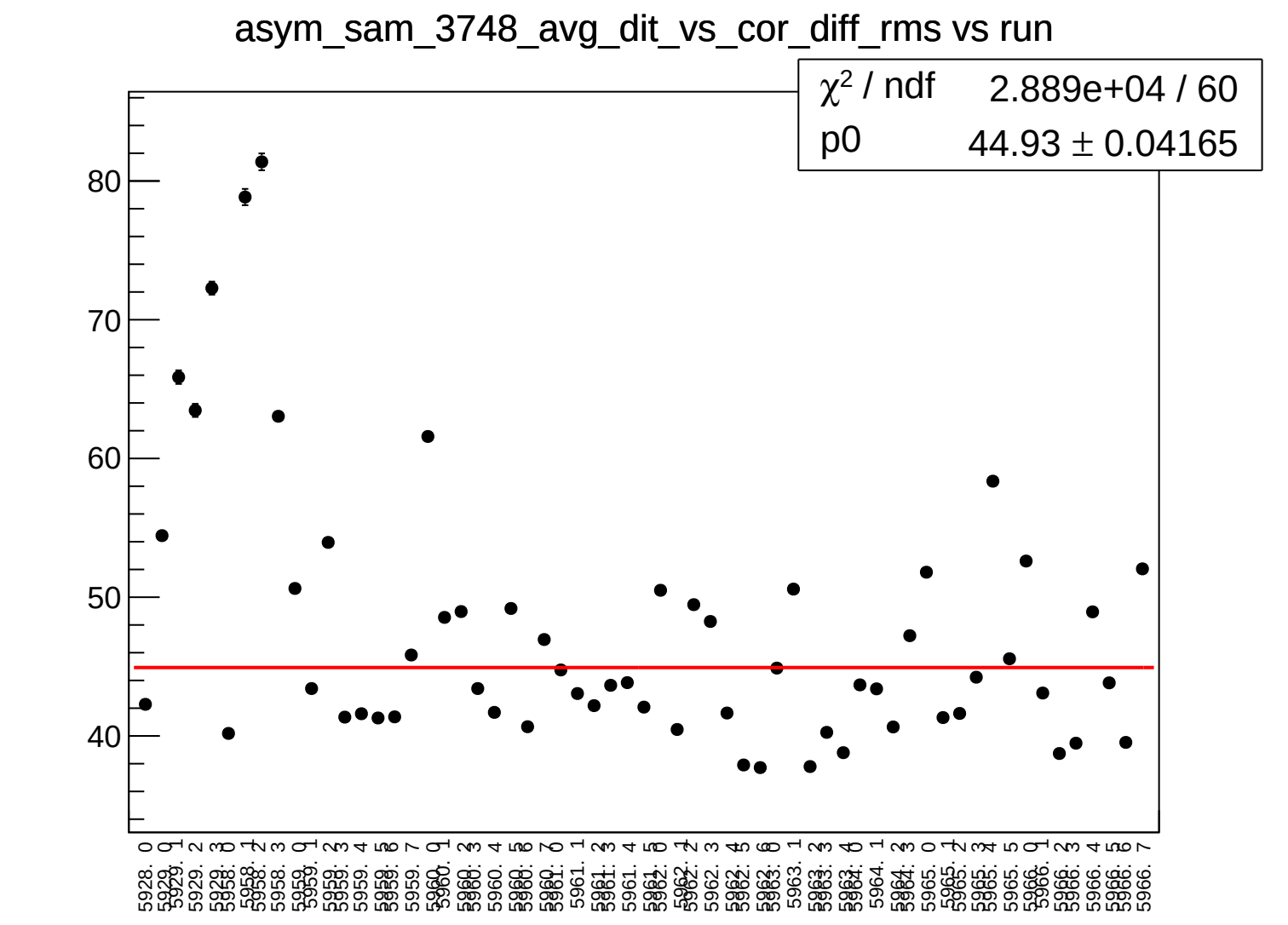

asym_sam_3748_avg_rms vs run
χ² / ndf 6016 / 60
p0 1742 ± 1.599
2000
1900
1800
1700
1600
1500
1400

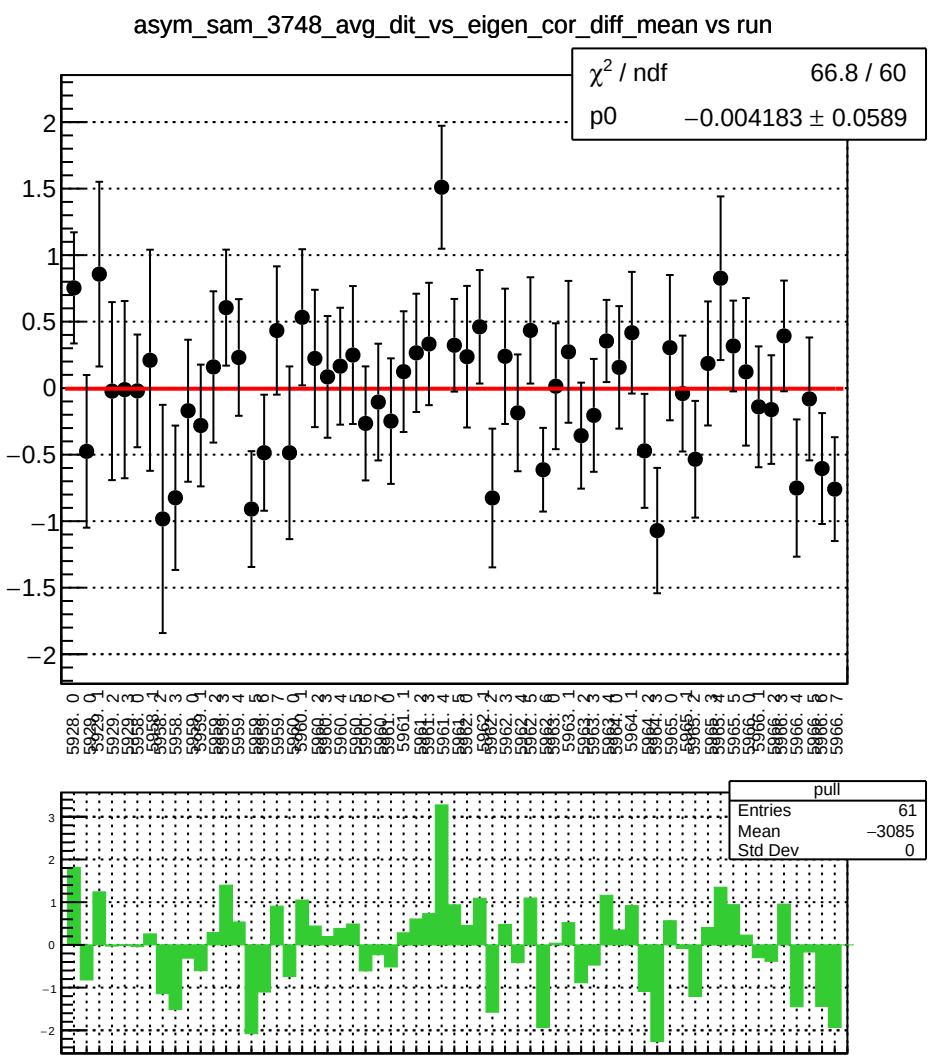

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 64.58 / 60
p0 2.032e−13 ± 1.786e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
−0.0035
pull
Entries 61
Mean 11.19
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.1245
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

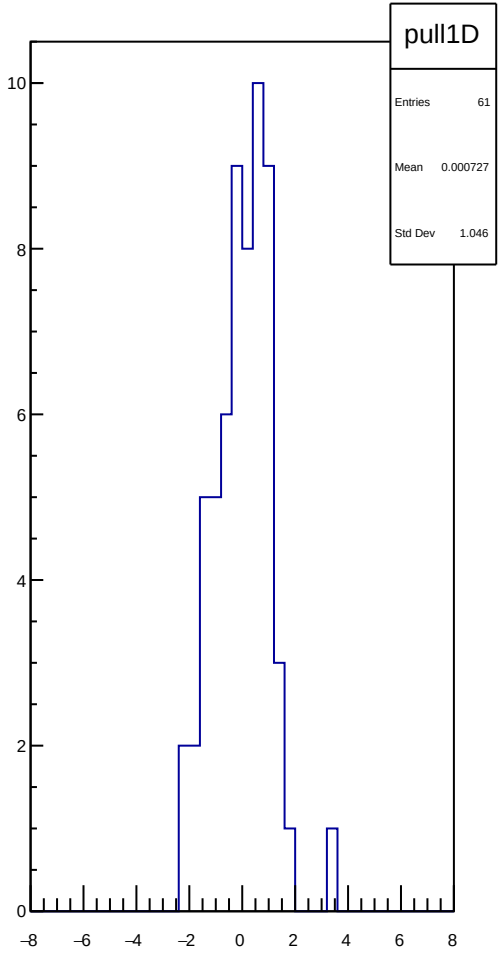

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.402e+05 / 60
p0 9.387e−11 ± 1.263e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

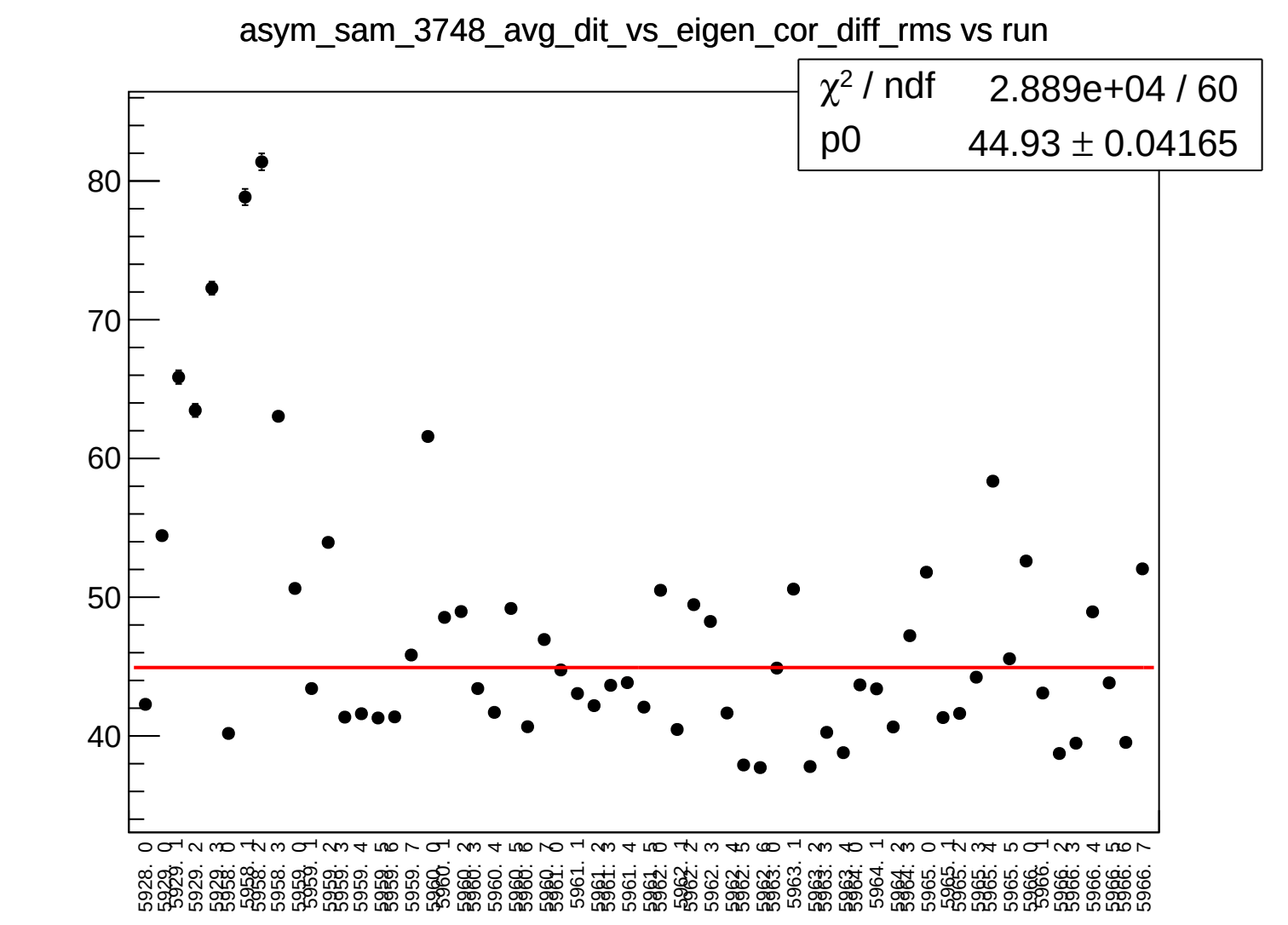

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 60
p0 −0.004183 ± 0.0589
pull
Entries 61
Mean −3085
Std Dev 0

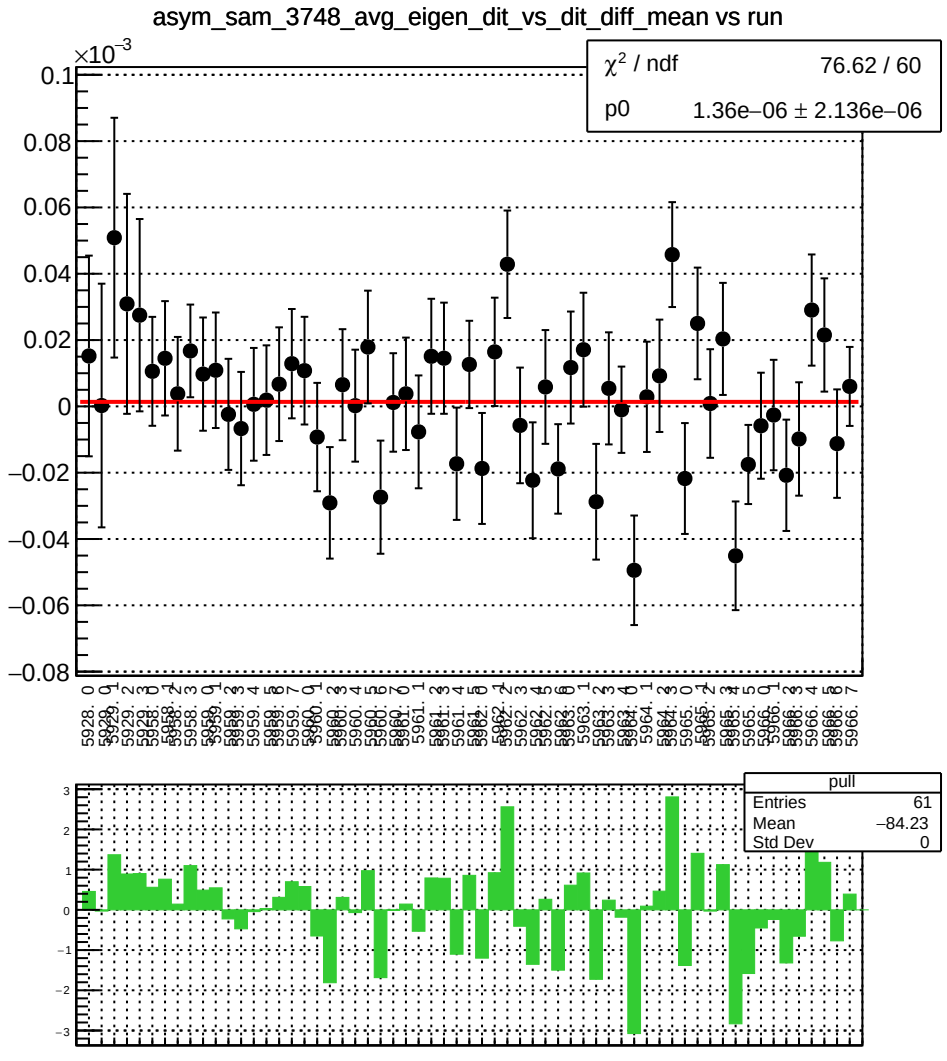

pull1D
Entries 61
Mean 0.000727
Std Dev 1.046

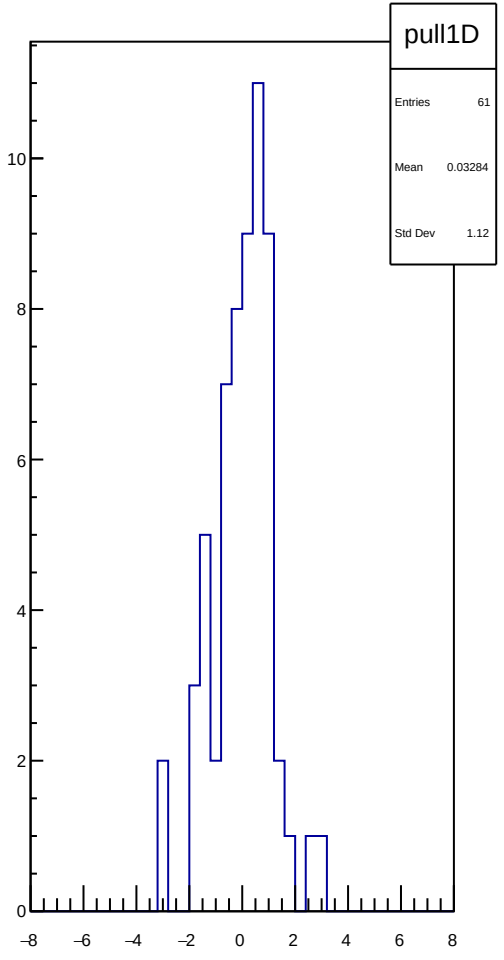

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.889e+04 / 60
p0 44.93 ± 0.04165
80
70
60
50
40

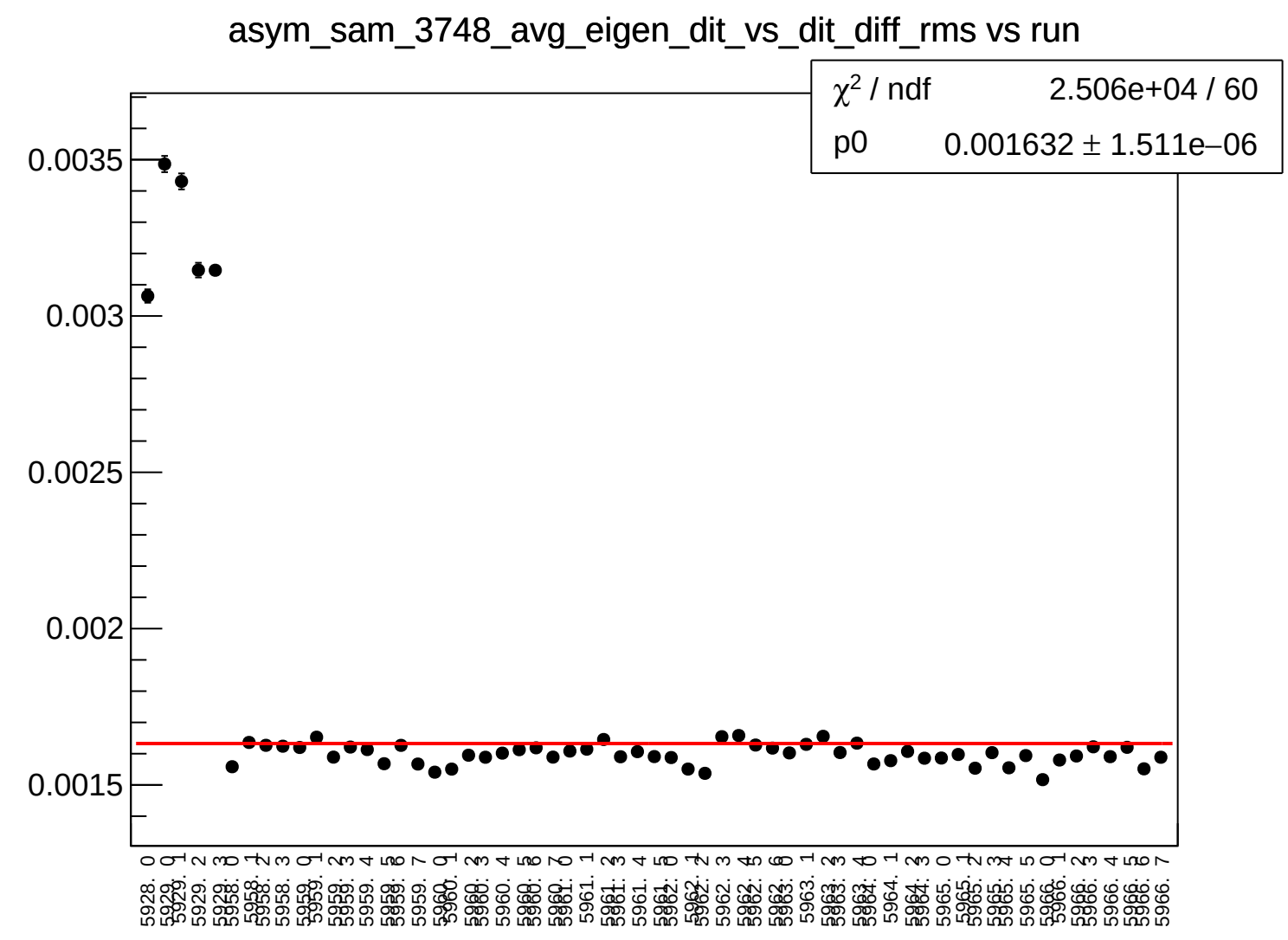

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 60
p0 −0.004183 ± 0.0589
pull
Entries 61
Mean −3085
Std Dev 0

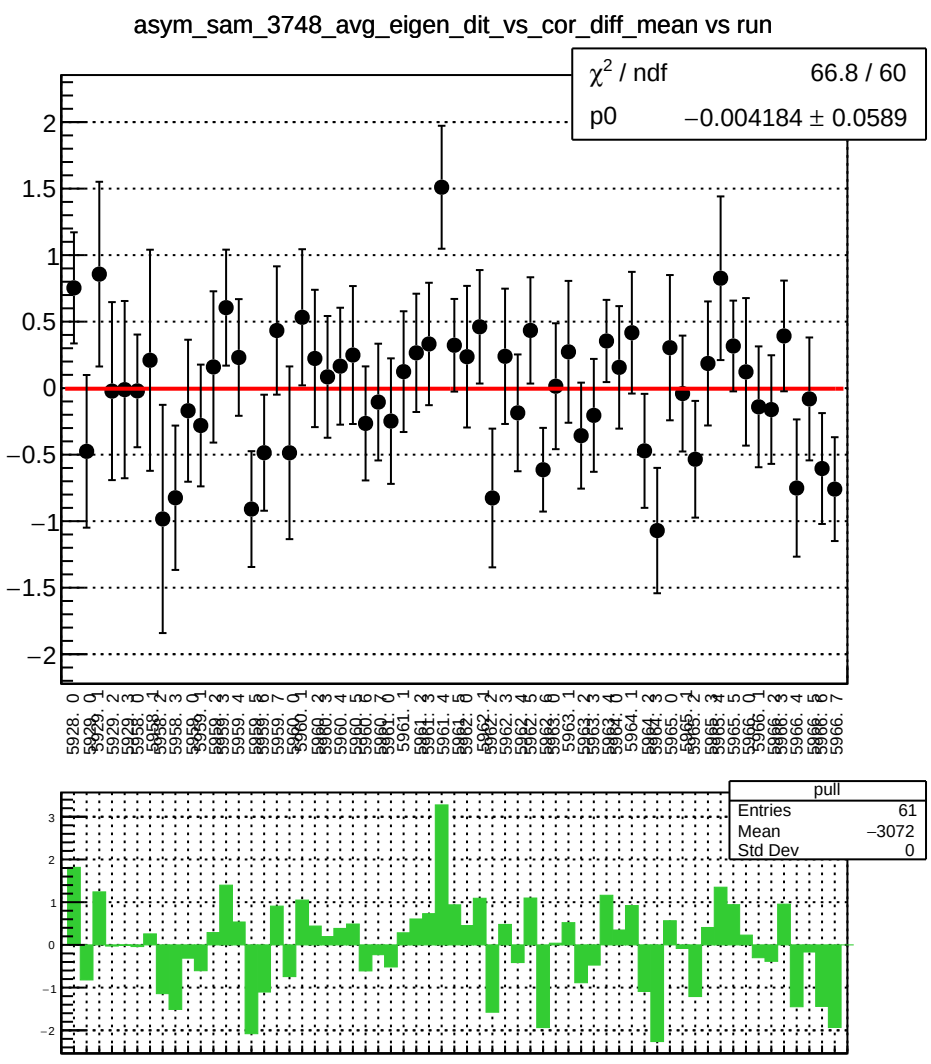

pull1D
Entries 61
Mean 0.000727
Std Dev 1.046

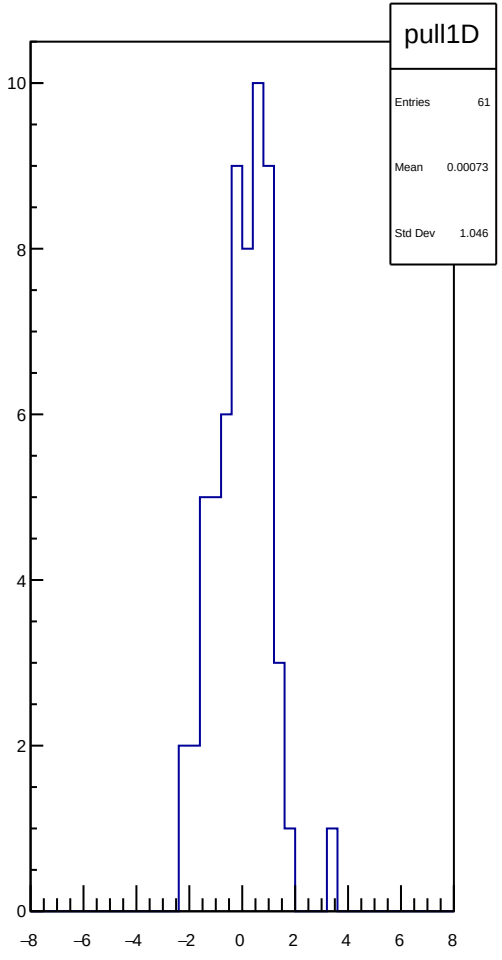

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.889e+04 / 60
p0 44.93 ± 0.04165
80
70
60
50
40

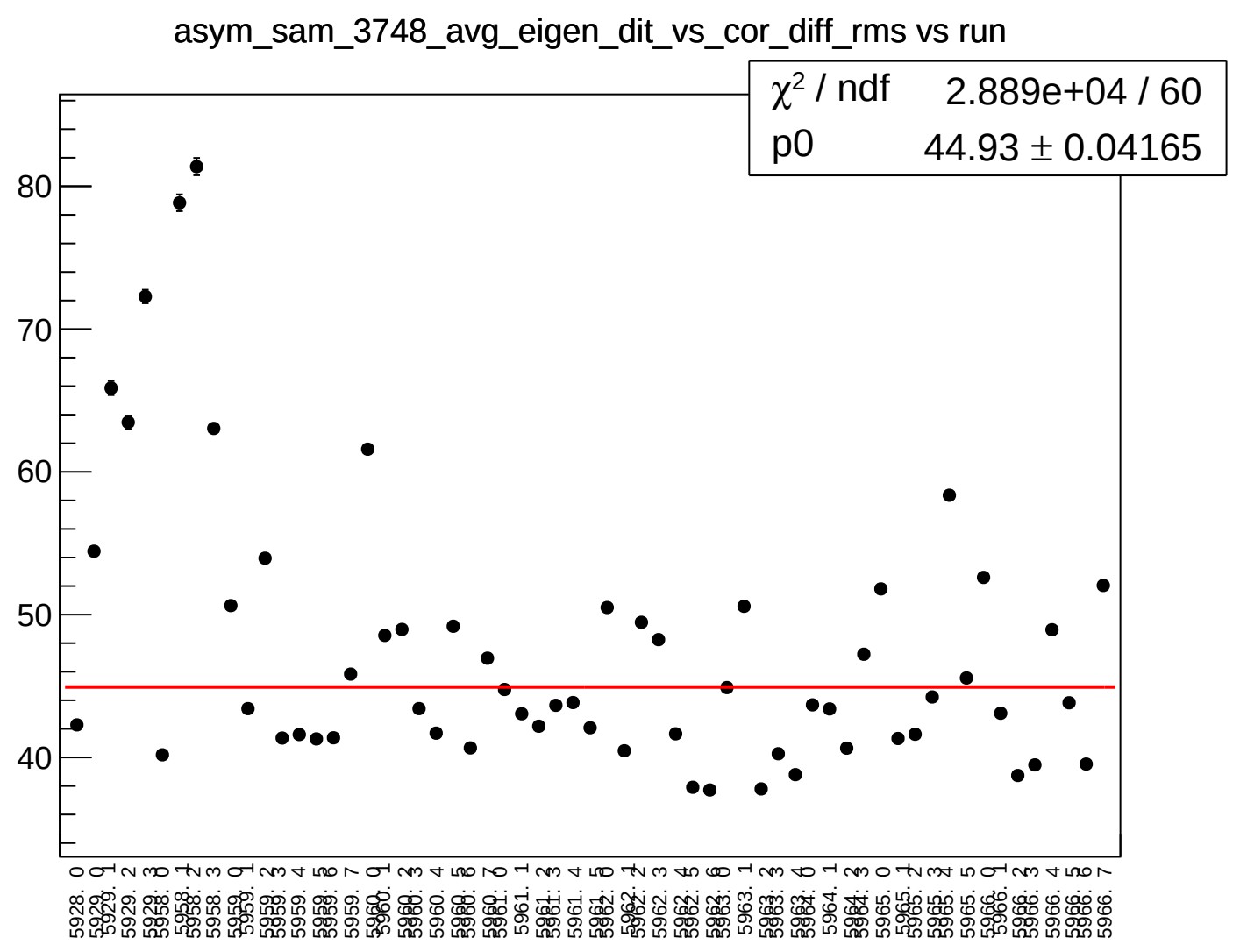

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.62 / 60
p0 1.36e−06 ± 2.136e−06
pull
Entries 61
Mean −84.23
Std Dev 0

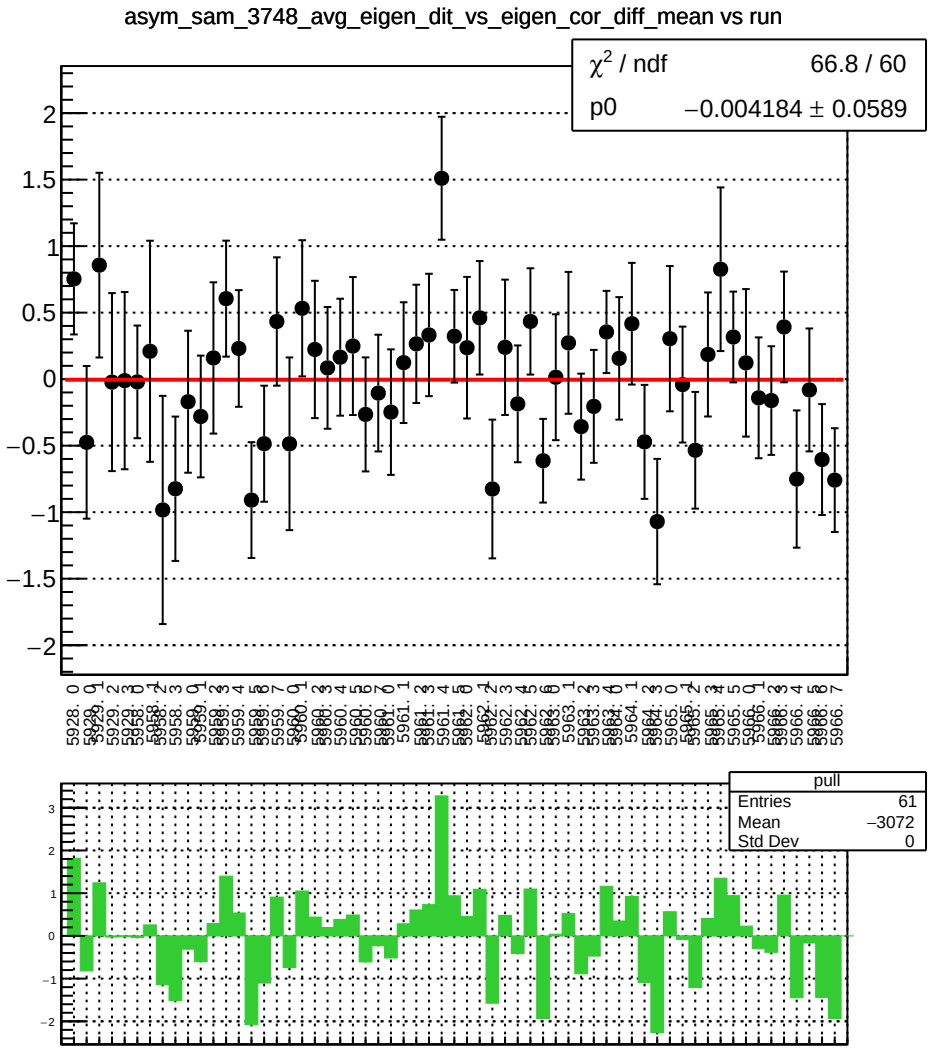

pull1D
Entries 61
Mean 0.03284
Std Dev 1.12

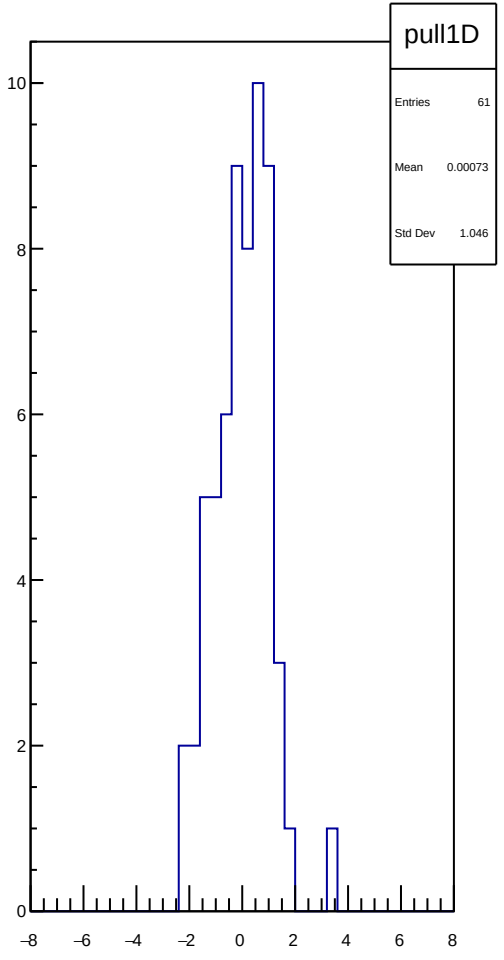

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.506e+04 / 60
p0 0.001632 ± 1.511e−06
0.0035
0.003
0.0025
0.002
0.0015

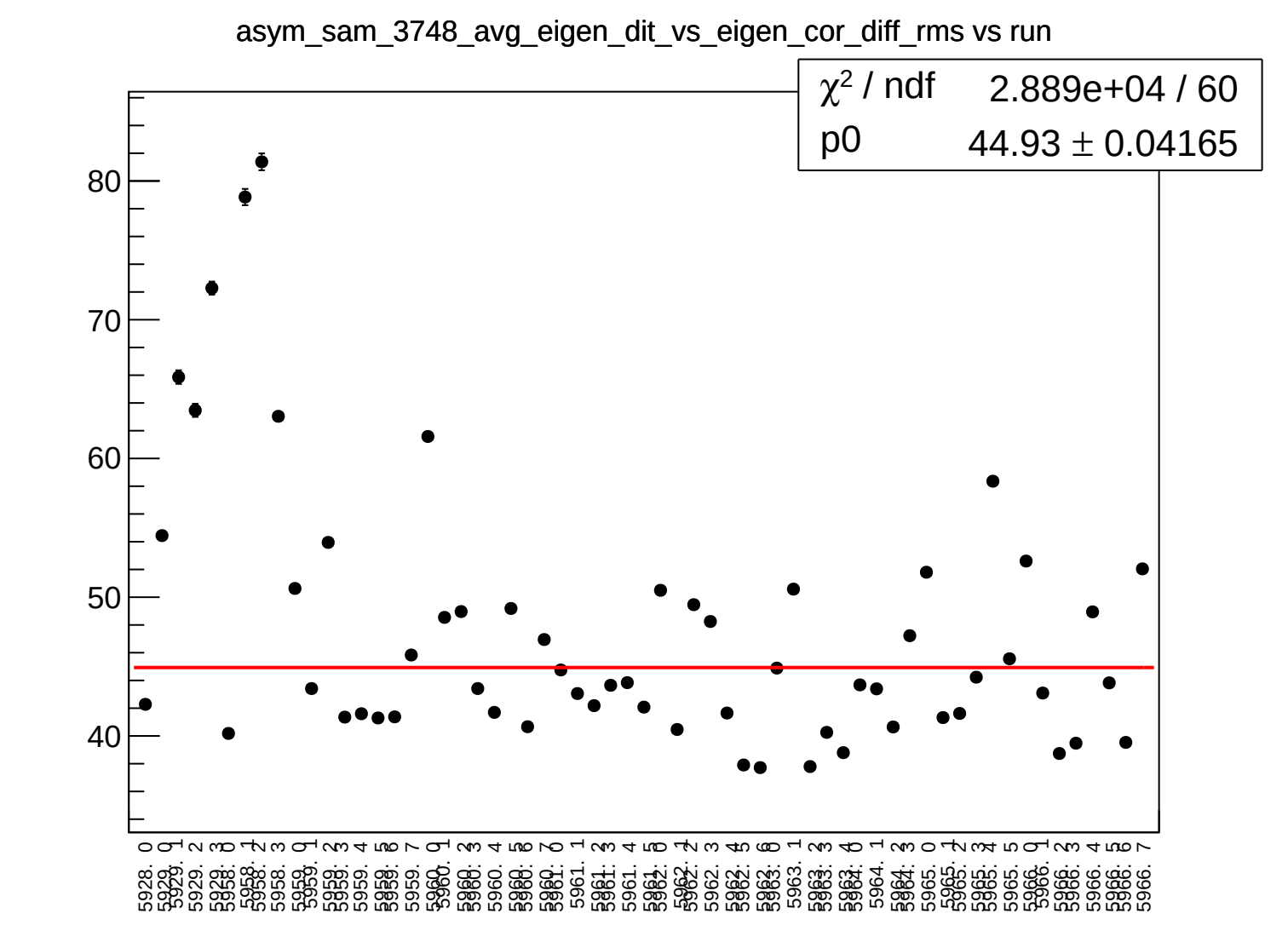

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 66.8 / 60
p0 −0.004184 ± 0.0589
pull
Entries 61
Mean −3072
Std Dev 0

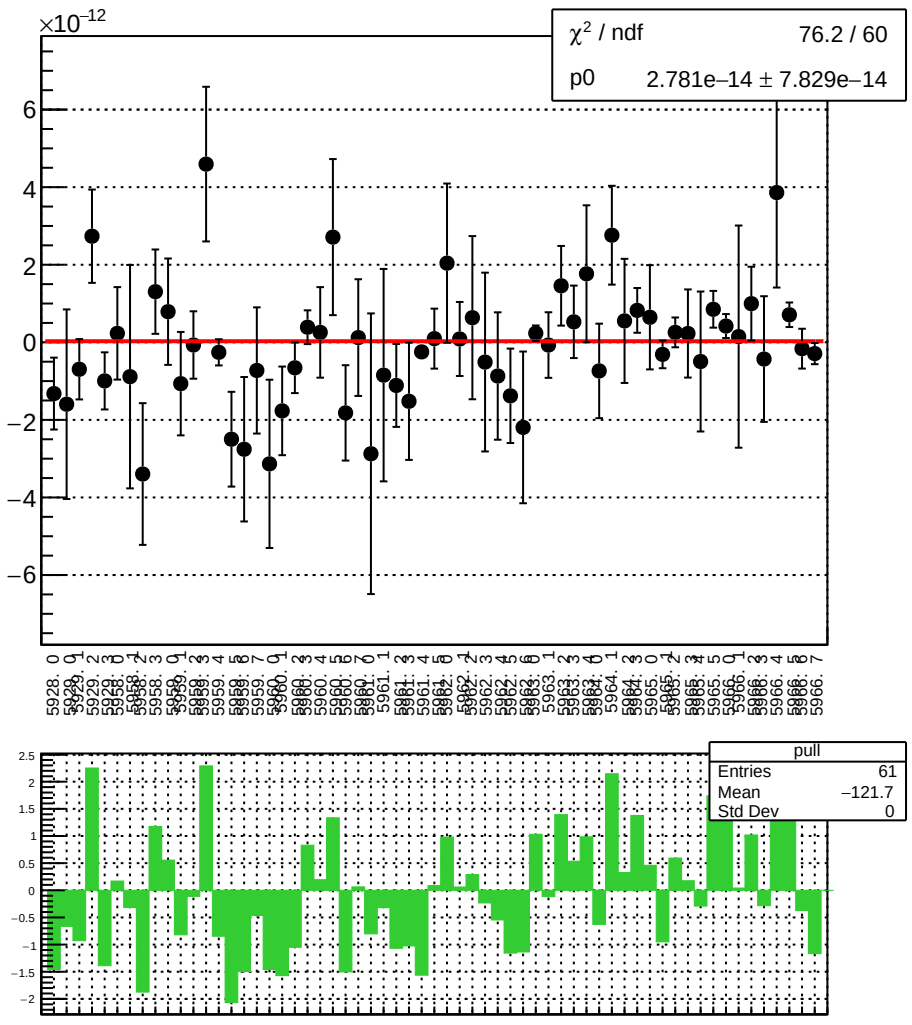

pull1D
Entries 61
Mean 0.00073
Std Dev 1.046

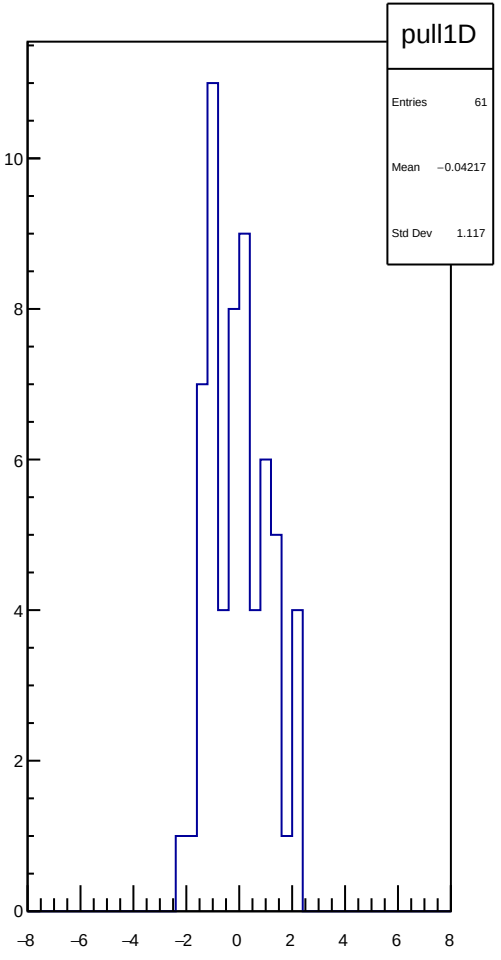

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.889e+04 / 60
p0 44.93 ± 0.04165
80
70
60
50
40

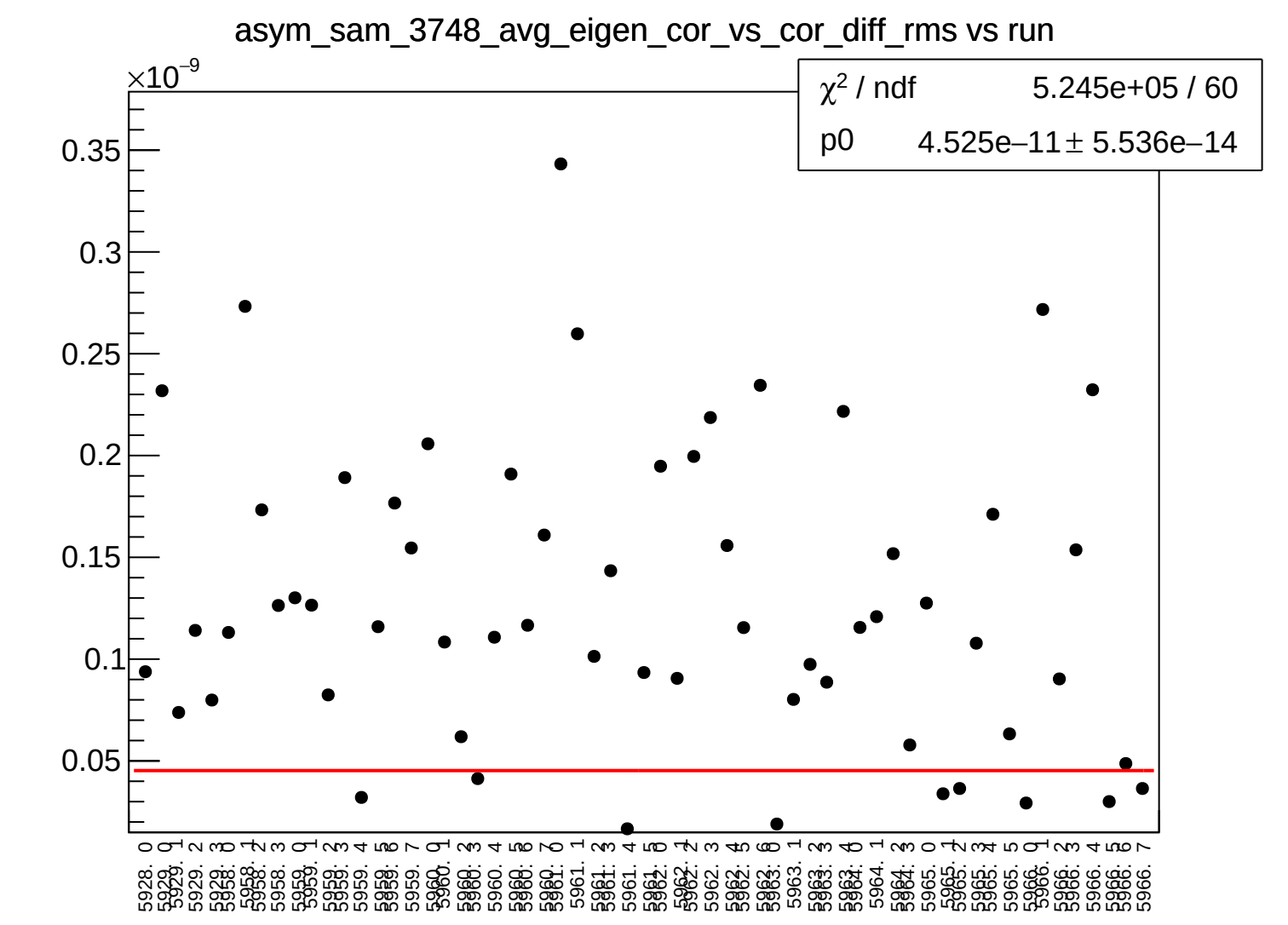

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 66.8 / 60
p0 −0.004184 ± 0.0589
pull
Entries 61
Mean −3072
Std Dev 0

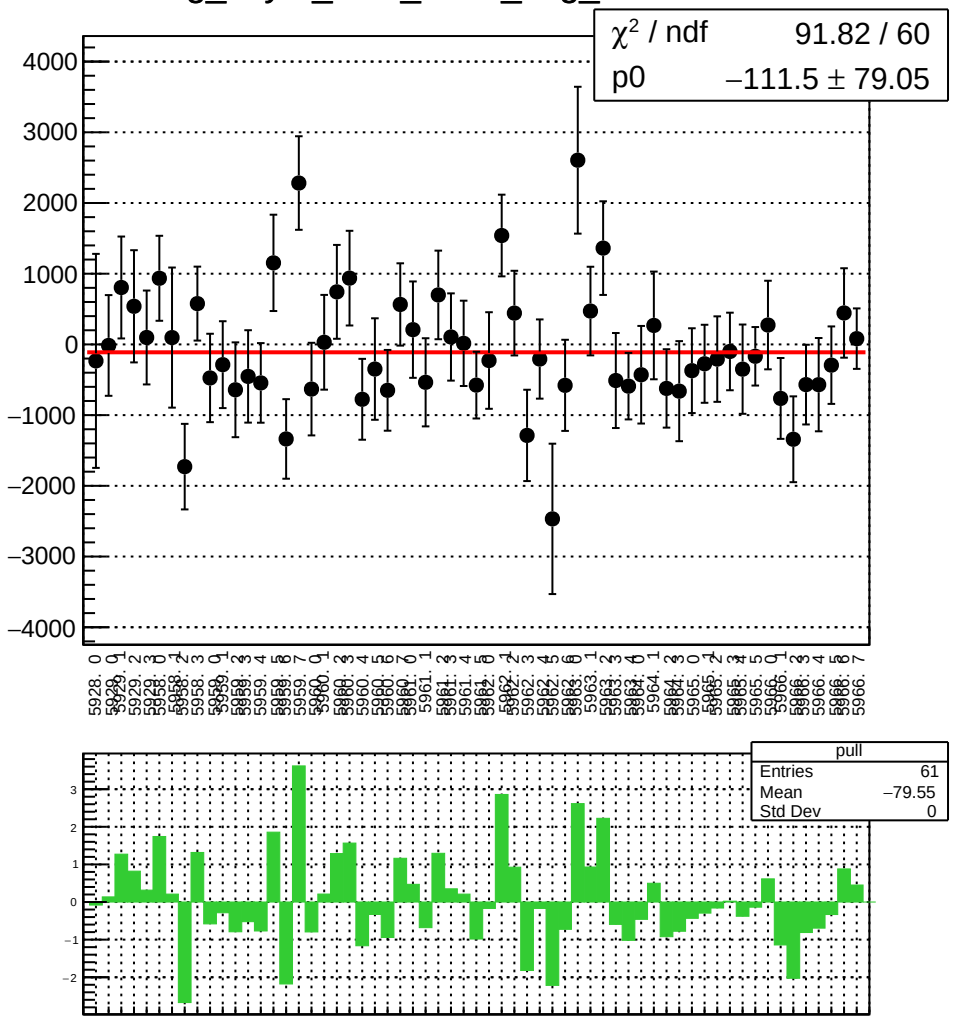

pull1D
Entries 61
Mean 0.00073
Std Dev 1.046

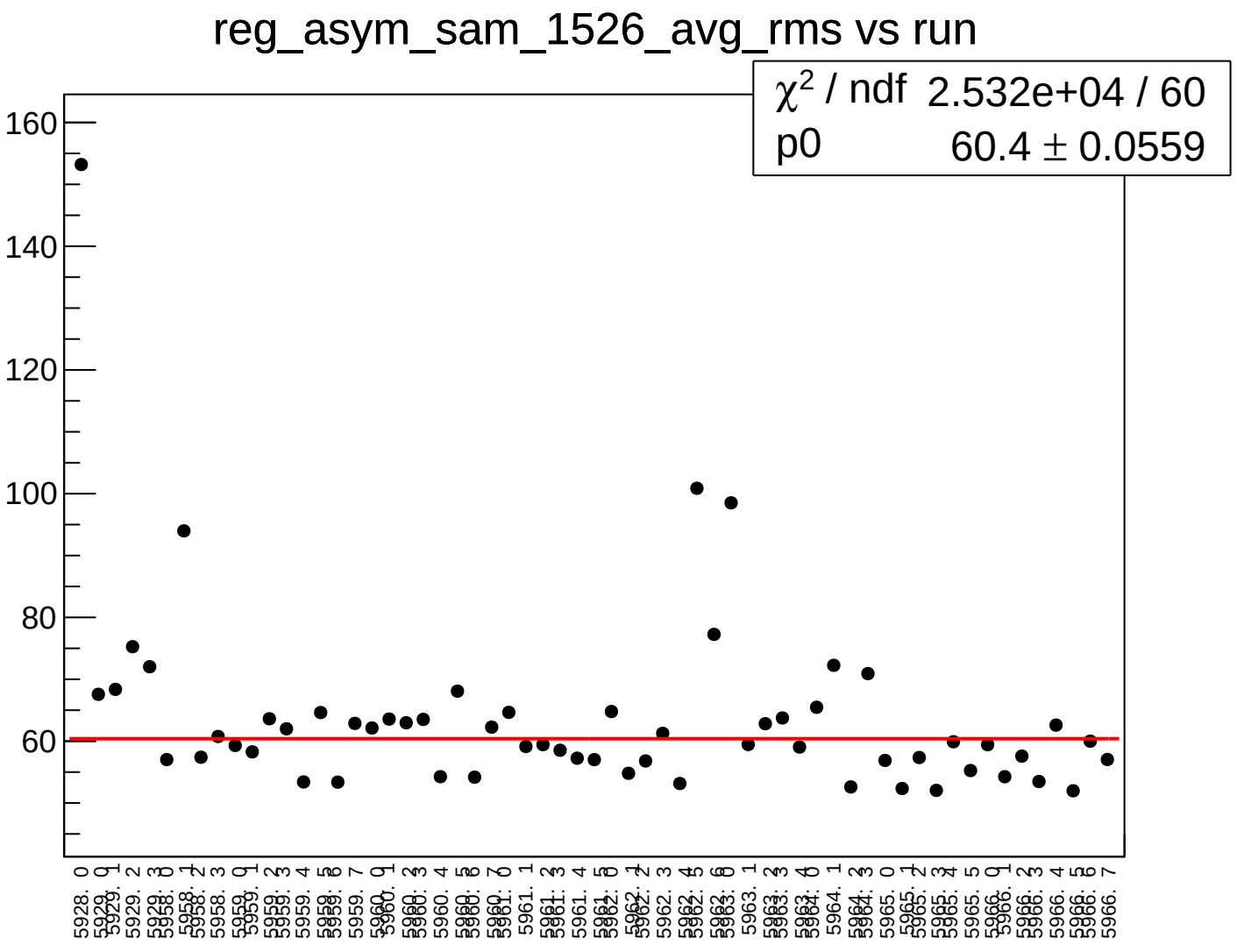

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.889e+04 / 60
p0 44.93 ± 0.04165
80
70
60
50
40

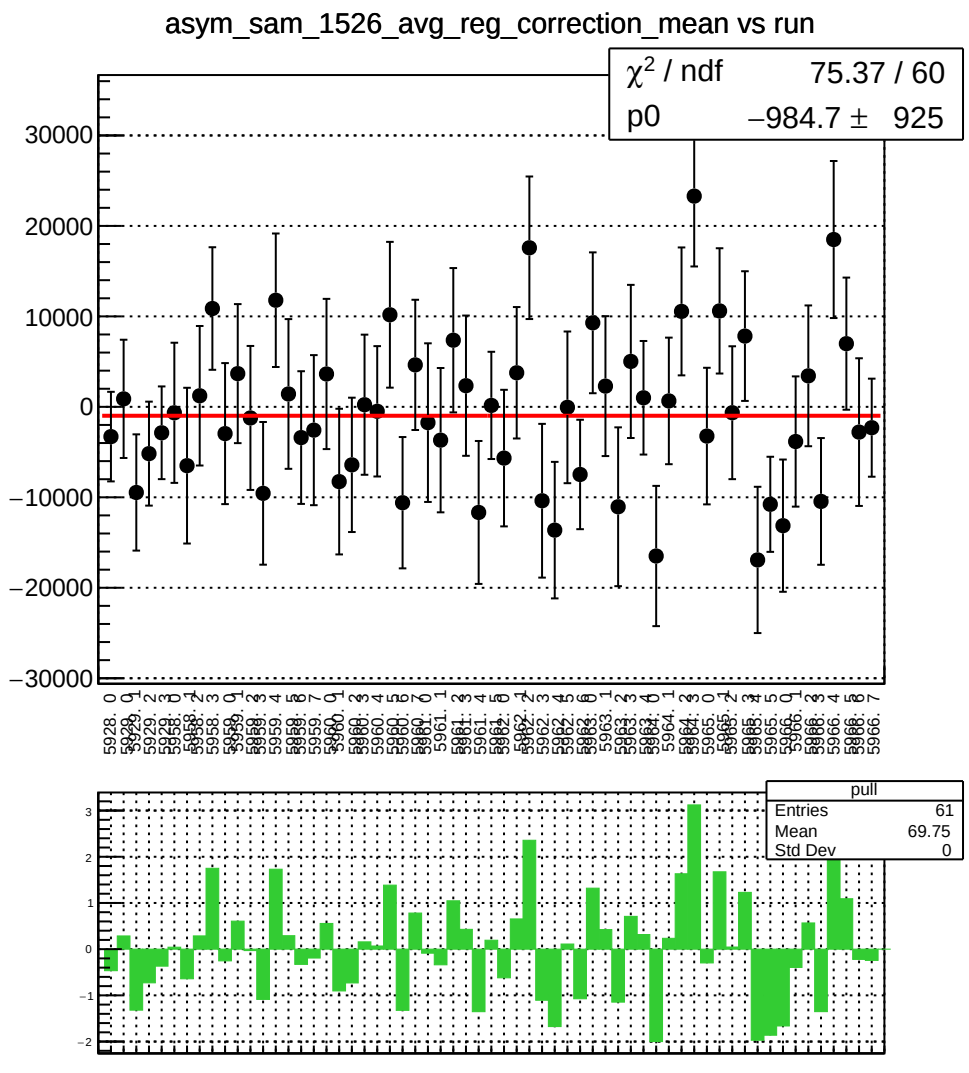

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.2 / 60
p0 2.781e−14 ± 7.829e−14
pull
Entries 61
Mean −121.7
Std Dev 0

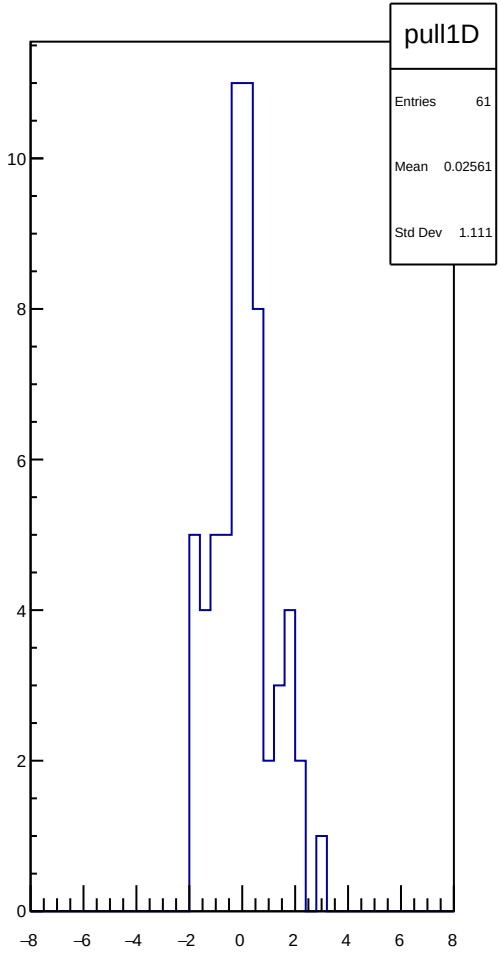

pull1D
Entries 61
Mean −0.04217
Std Dev 1.117

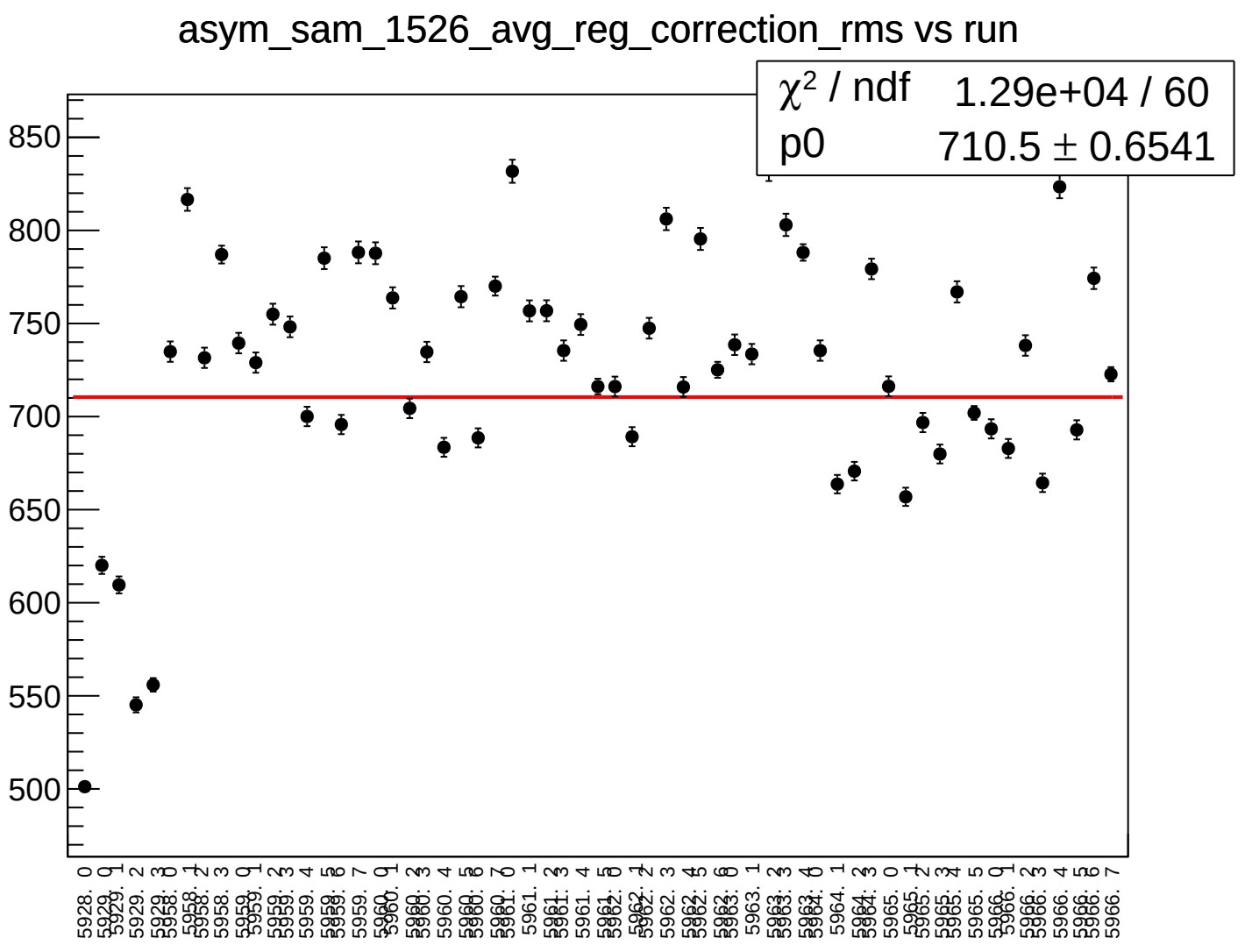

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.245e+05 / 60
p0 4.525e−11 ± 5.536e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

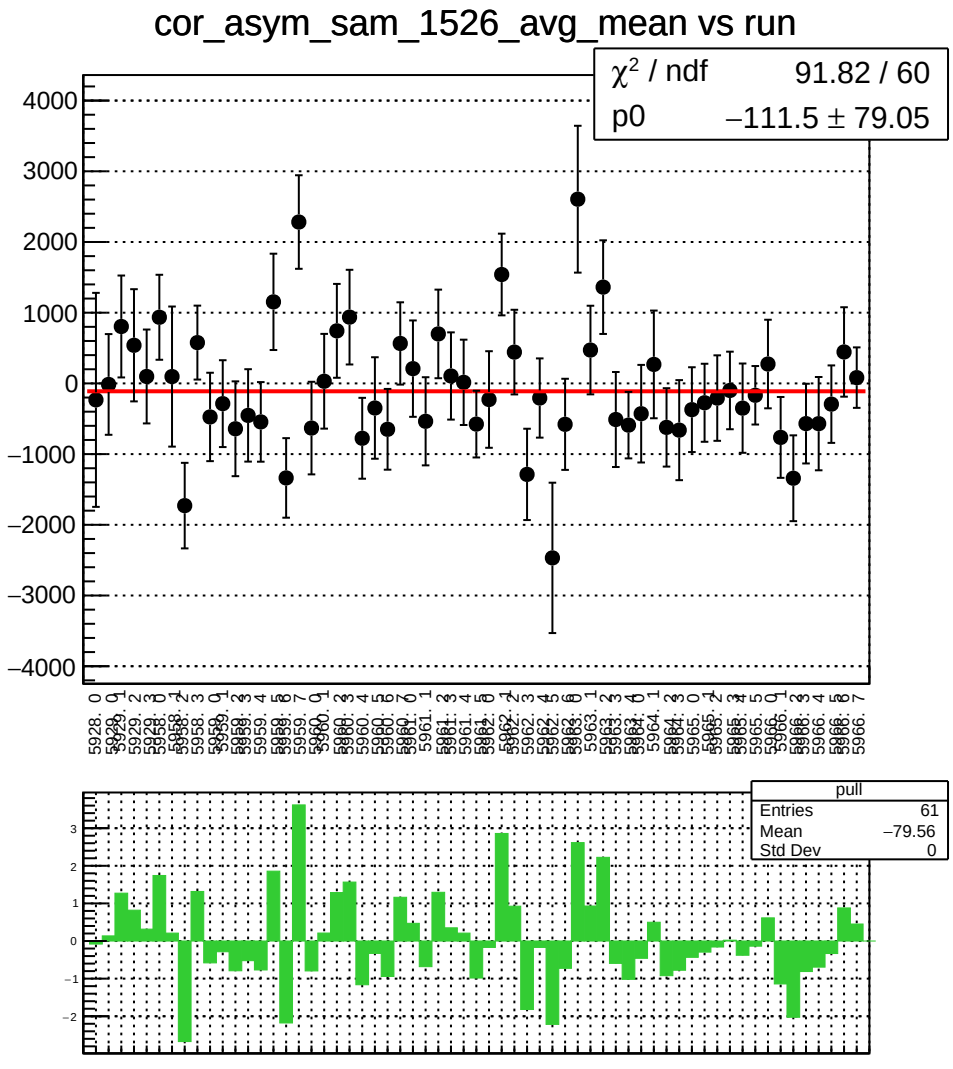

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 91.82 / 60
p0 −111.5 ± 79.05
pull
Entries 61
Mean −79.55
Std Dev 0
pull1D
Entries 61
Mean 0.02985
Std Dev 1.227

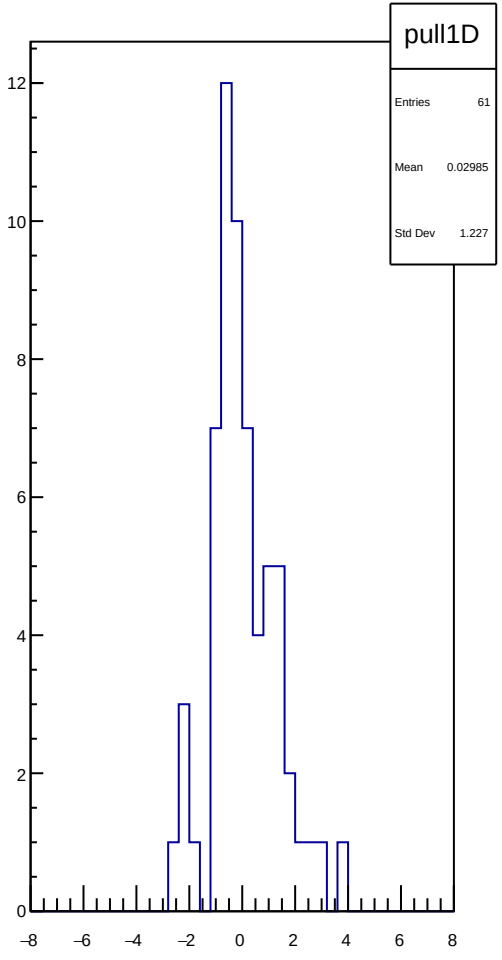

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 2.532e+04 / 60
p0 60.4 ± 0.0559
160
140
120
100
80
60

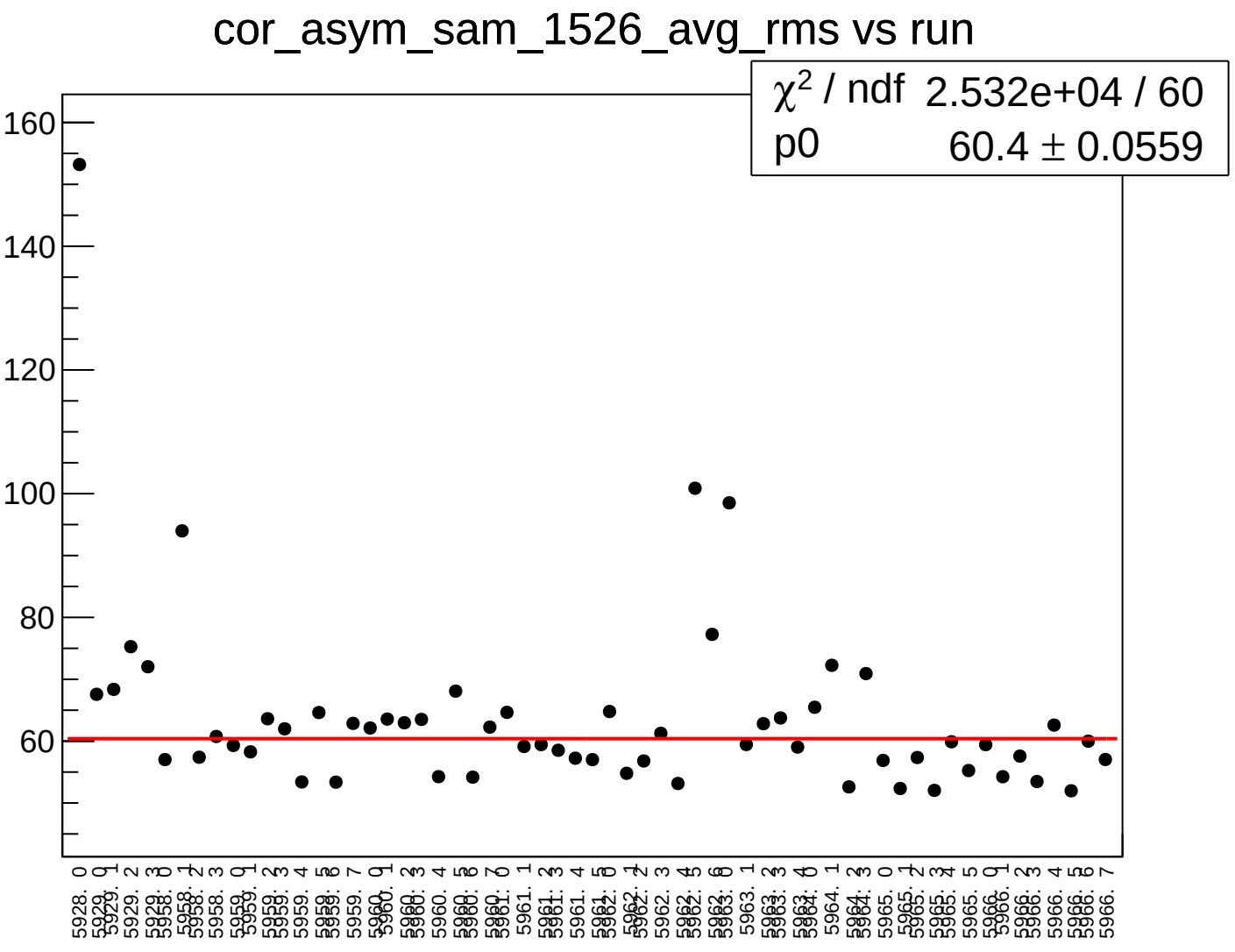

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 75.37 / 60
p0 −984.7 ± 925
pull
Entries 61
Mean 69.75
Std Dev 0

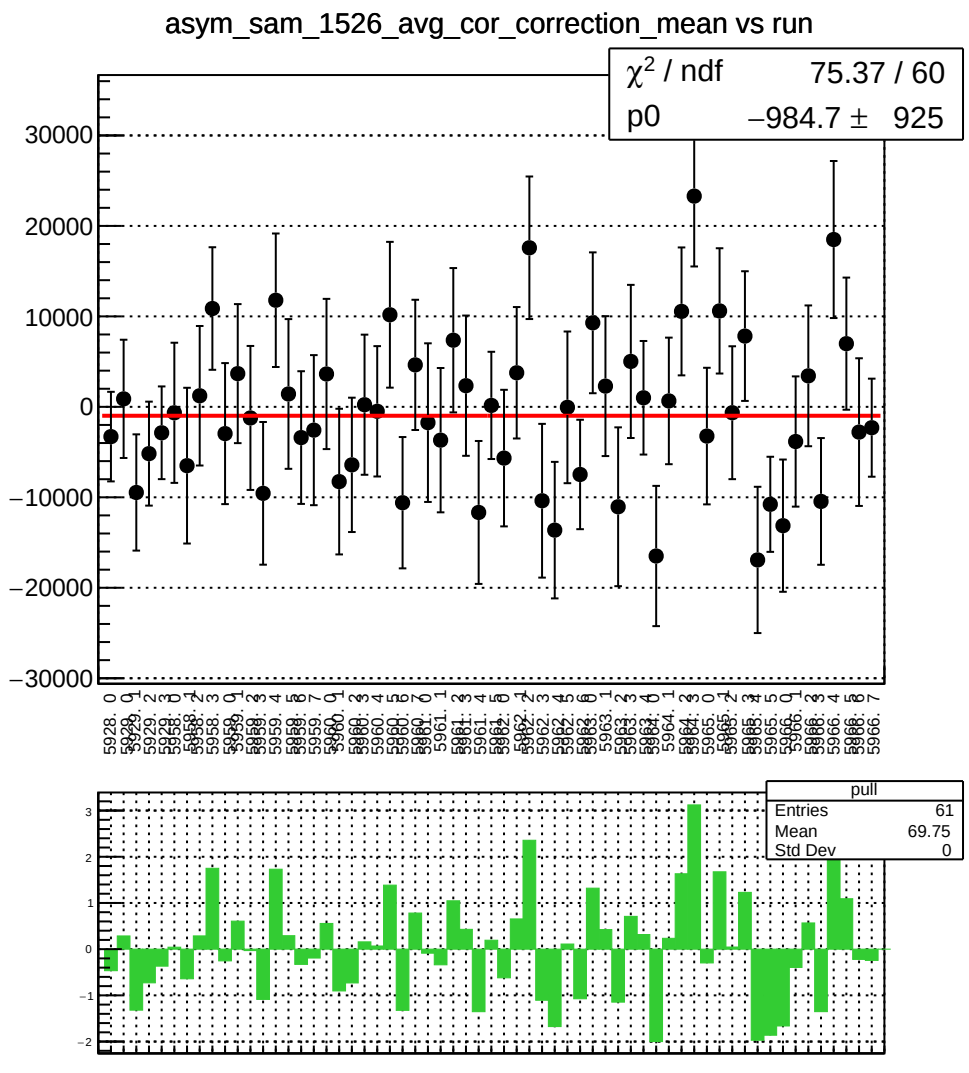

pull1D
Entries 61
Mean 0.02561
Std Dev 1.111

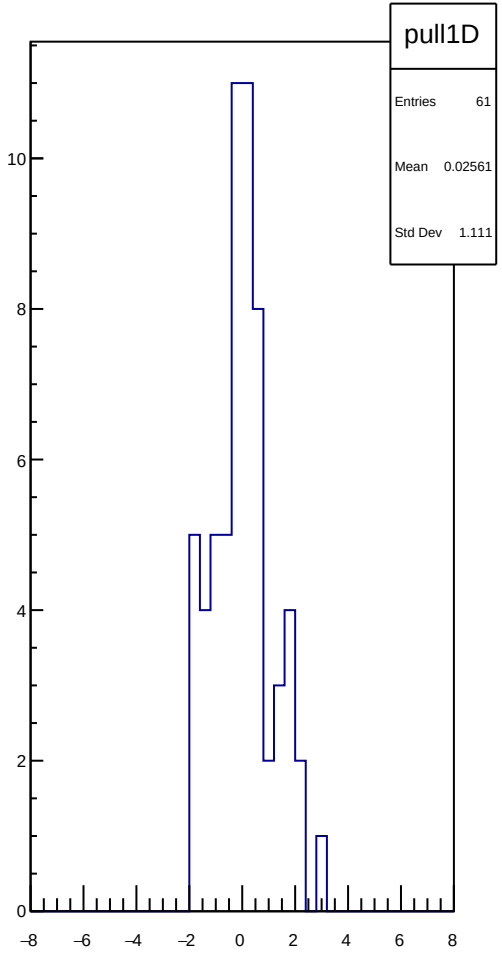

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1.29e+04 / 60
p0 710.5 ± 0.6541
850
800
750
700
650
600
550
500

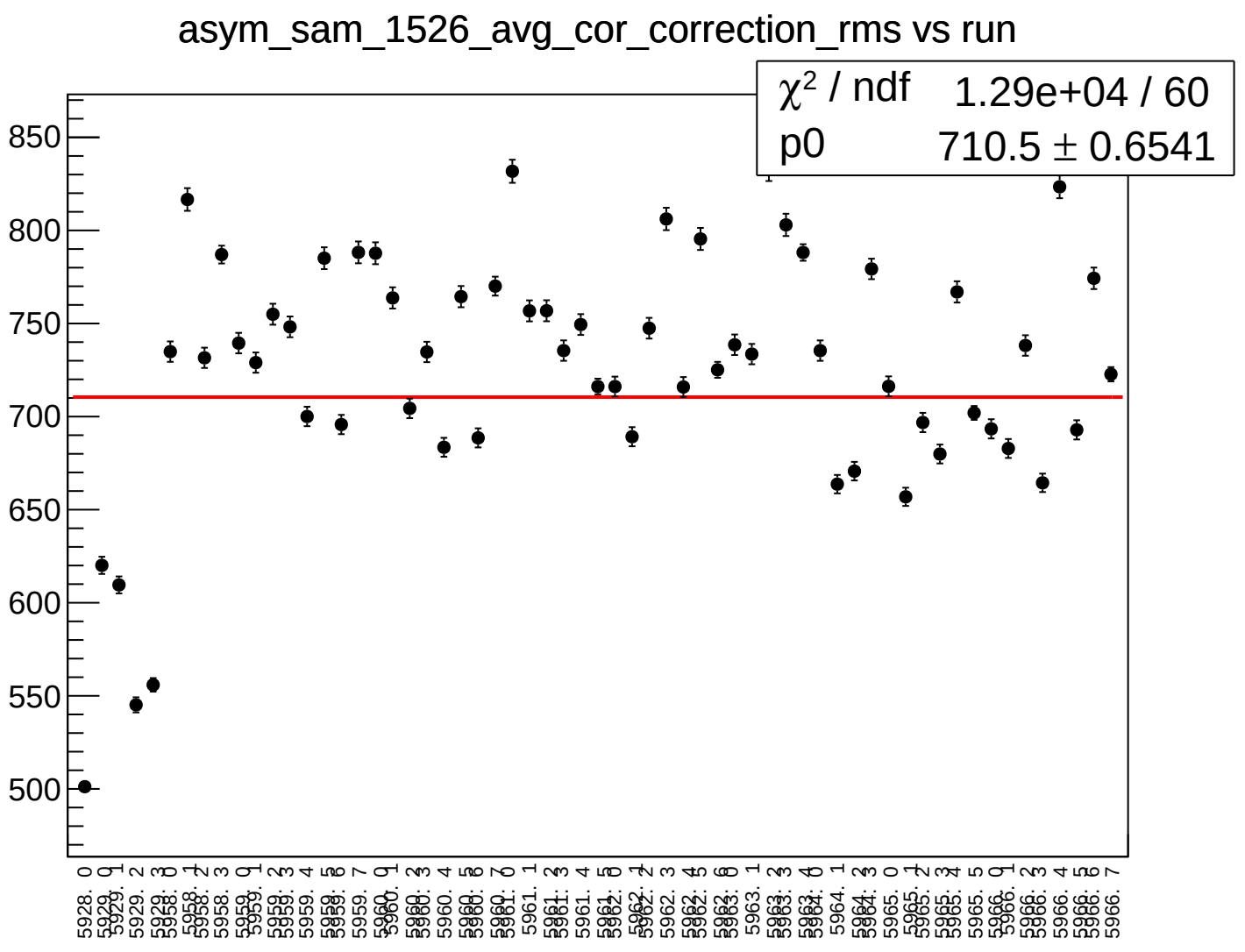

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 91.82 / 60
p0 −111.5 ± 79.05
pull
Entries 61
Mean −79.56
Std Dev 0

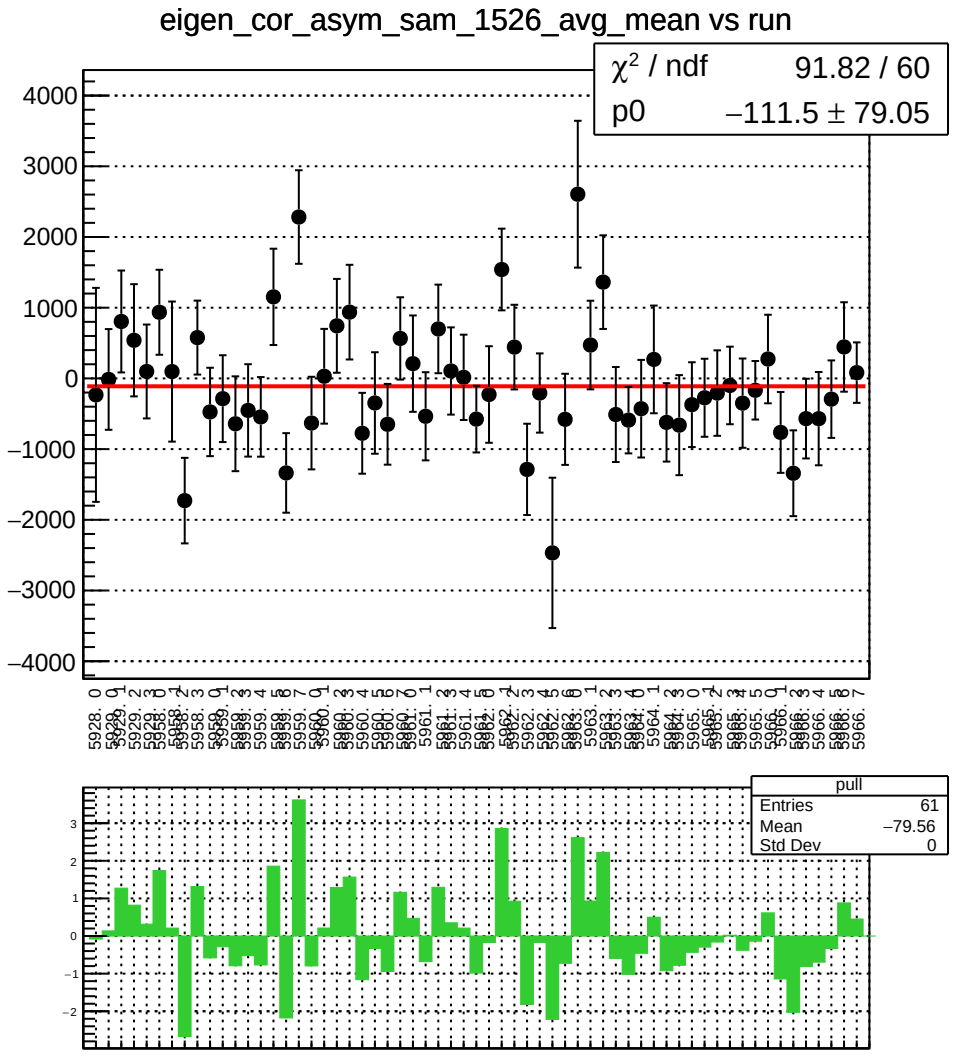

pull1D
Entries 61
Mean 0.02985
Std Dev 1.227

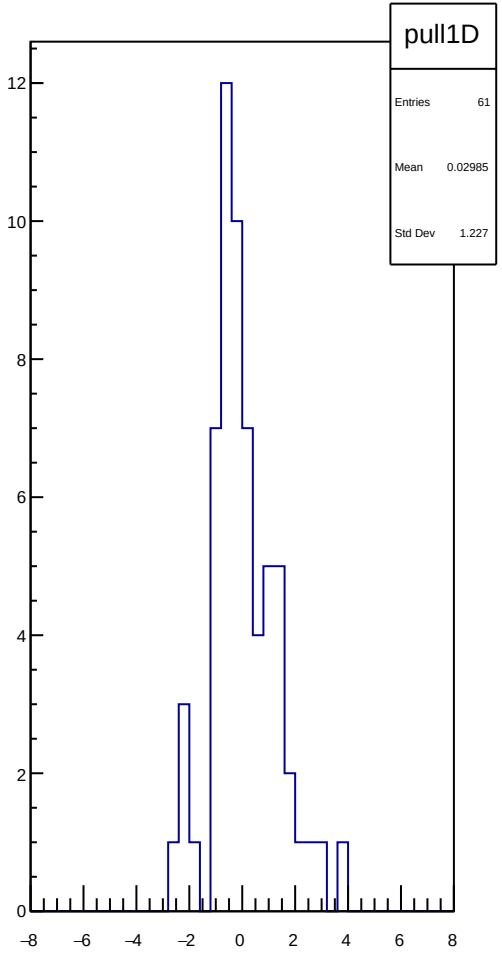

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.532e+04 / 60
p0 60.4 ± 0.0559
160
140
120
100
80
60

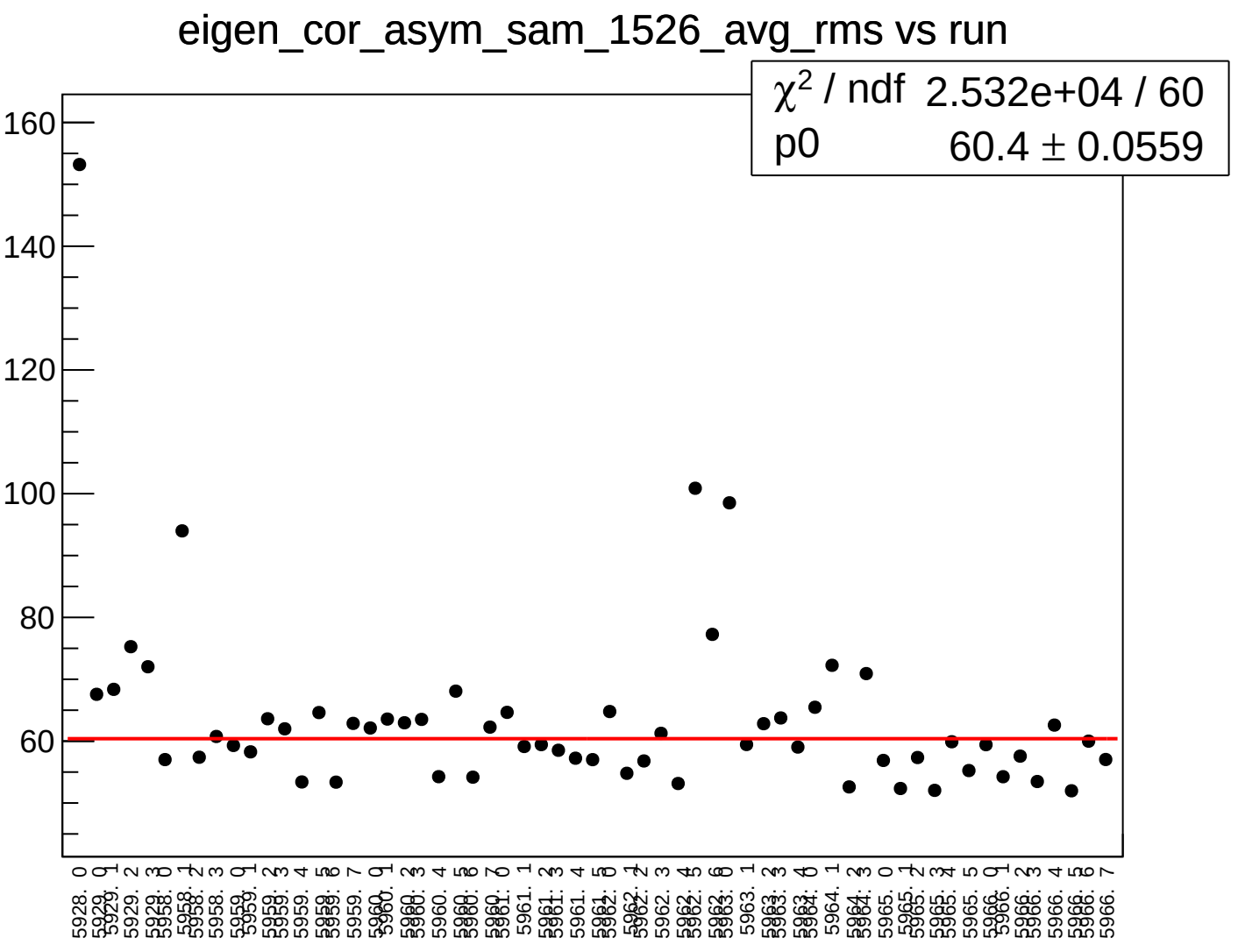

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 75.37 / 60
p0 −984.7 ± 925
pull
Entries 61
Mean 69.75
Std Dev 0

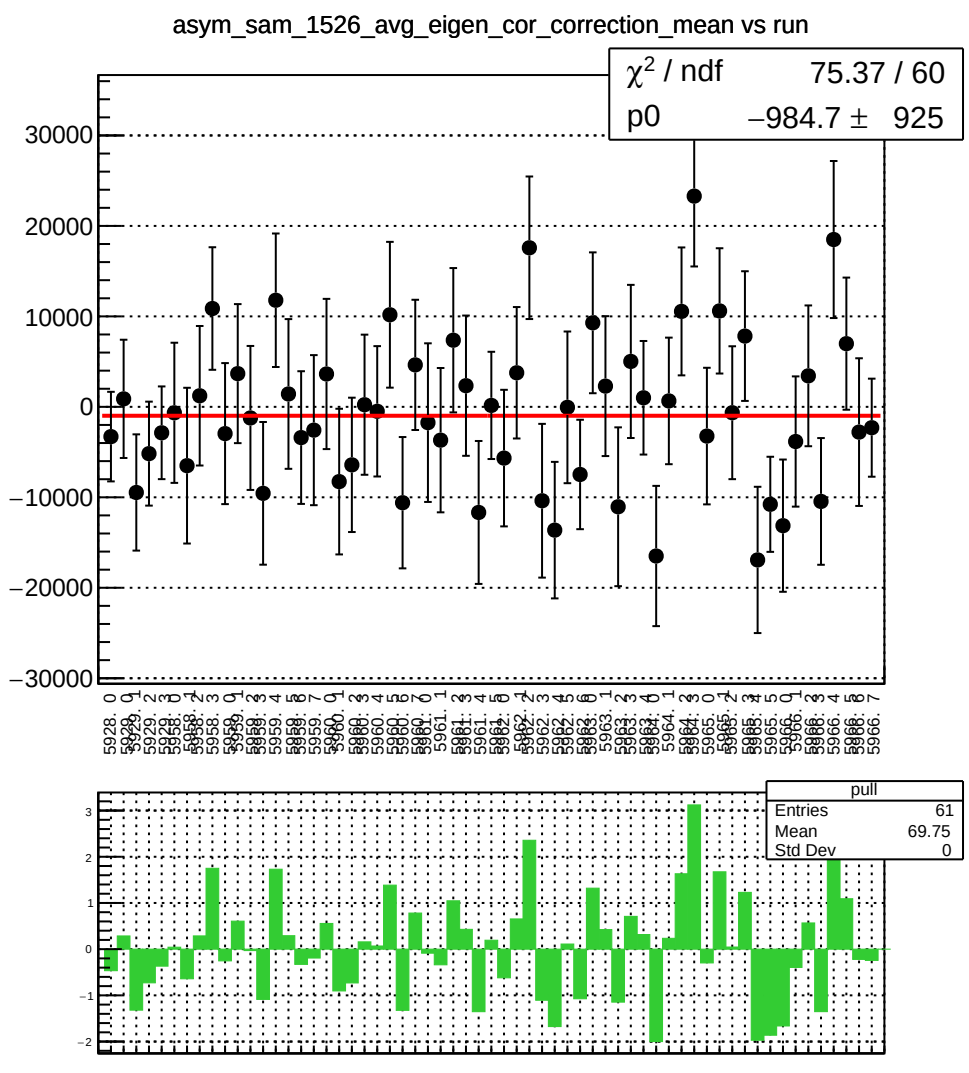

pull1D
Entries 61
Mean 0.02561
Std Dev 1.111

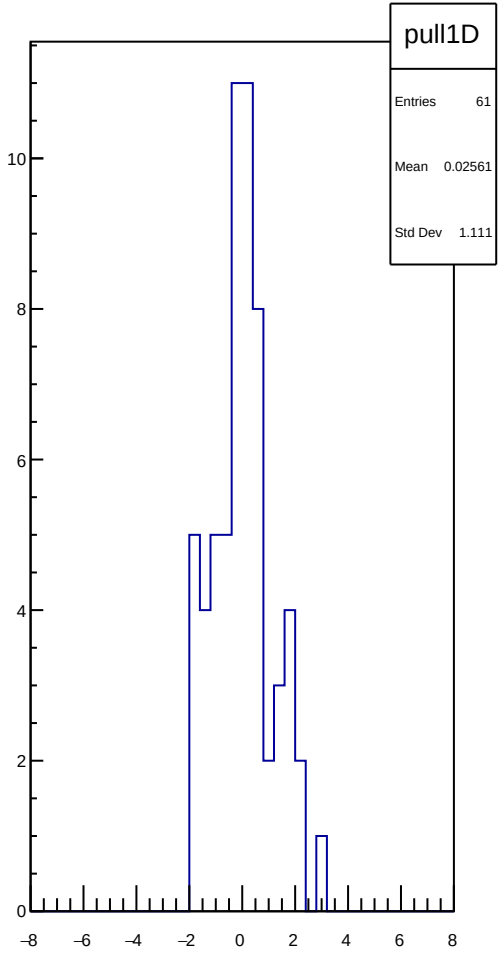

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1.29e+04 / 60
p0 710.5 ± 0.6541
850
800
750
700
650
600
550
500

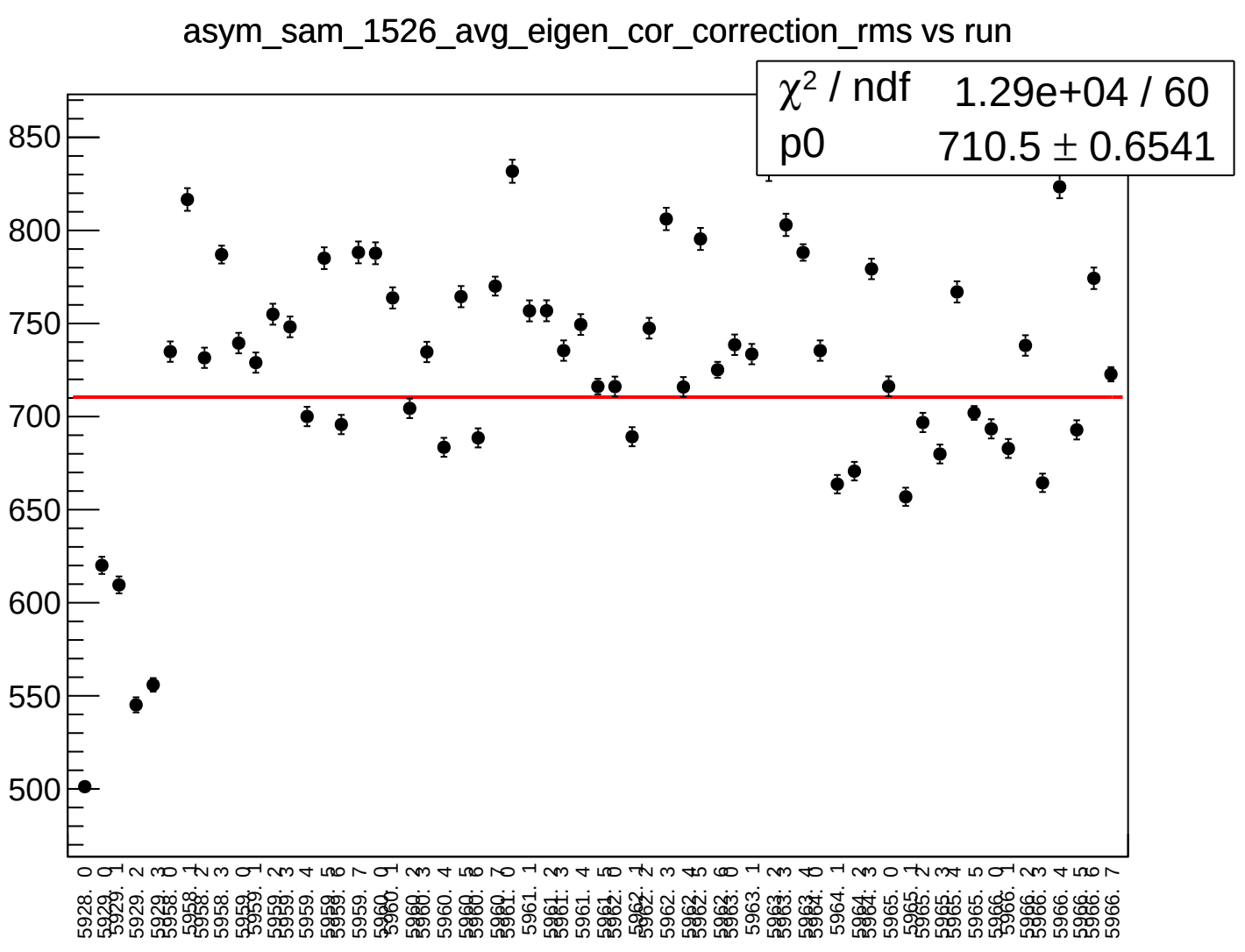

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 91.82 / 60
p0 −111.5 ± 79.05
pull
Entries 61
Mean −79.56
Std Dev 0

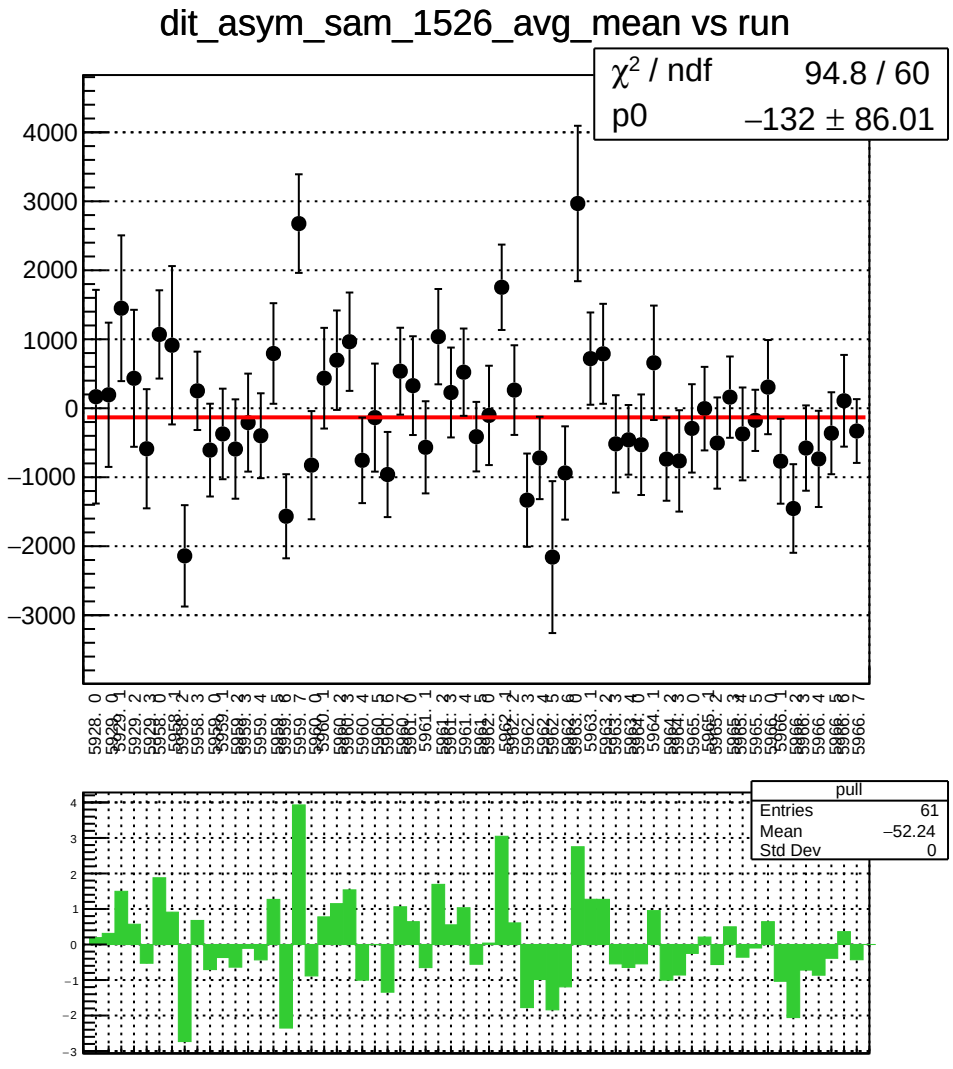

pull1D
Entries 61
Mean 0.02985
Std Dev 1.227

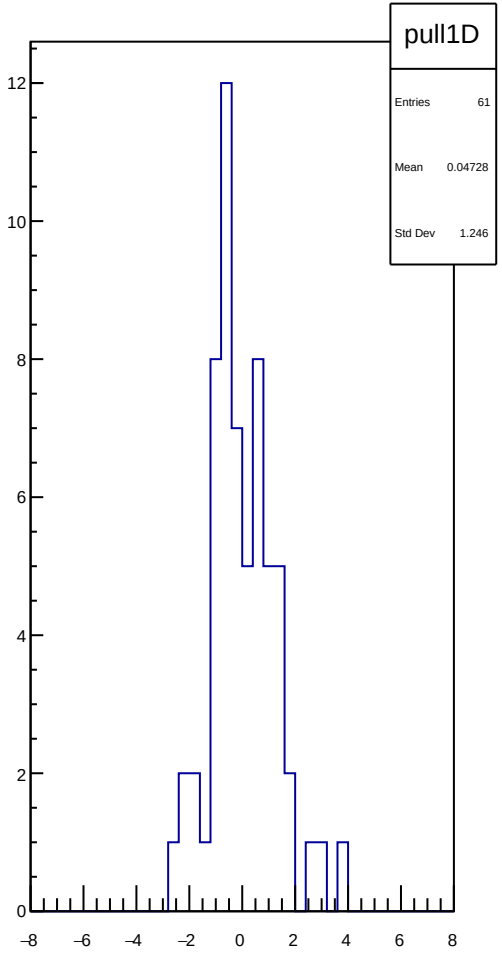

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 2.532e+04 / 60
p0 60.4 ± 0.0559
160
140
120
100
80
60

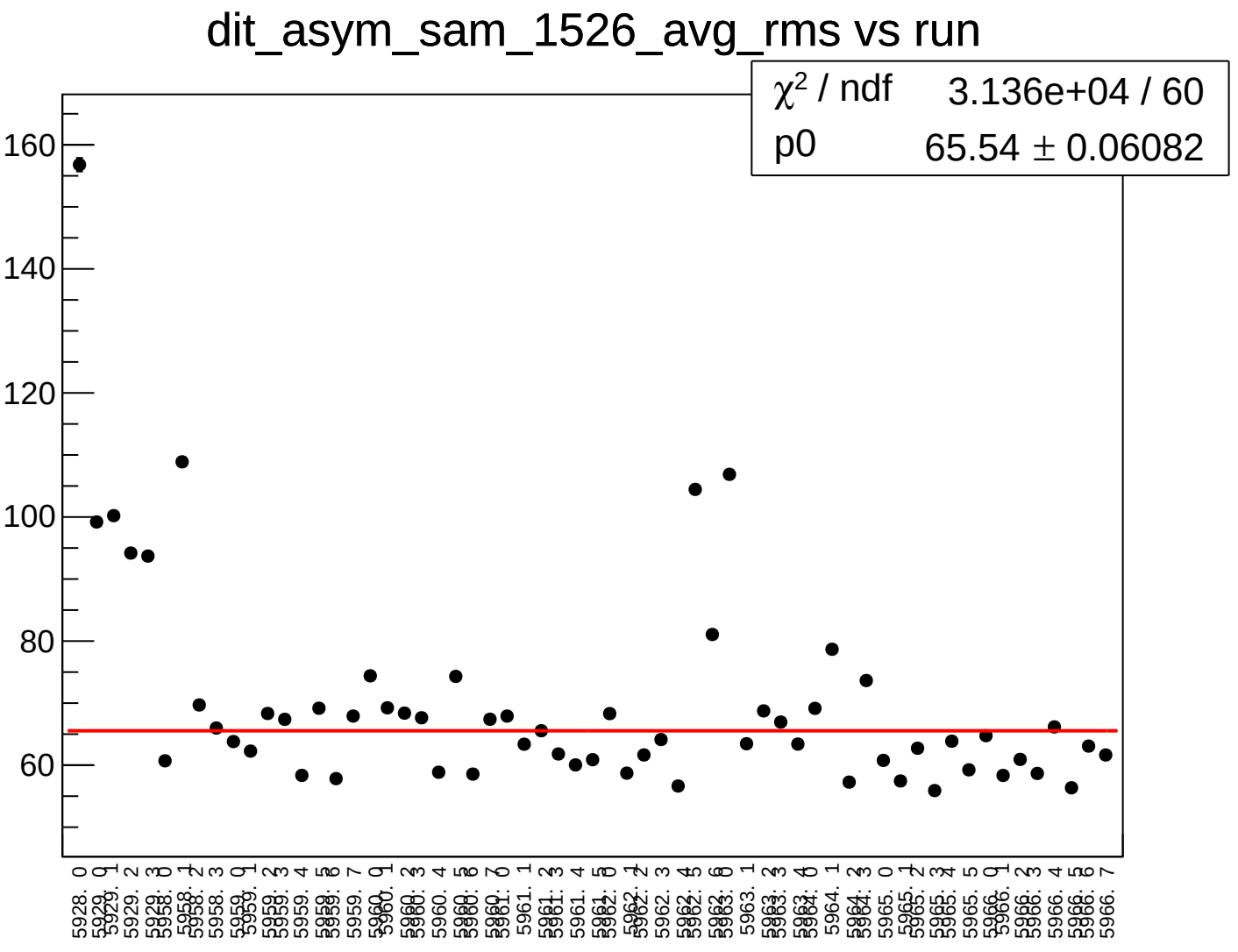

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.37 / 60
p0 −984.7 ± 925
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 69.75
Std Dev 0
3
2
1
0
−1
−2

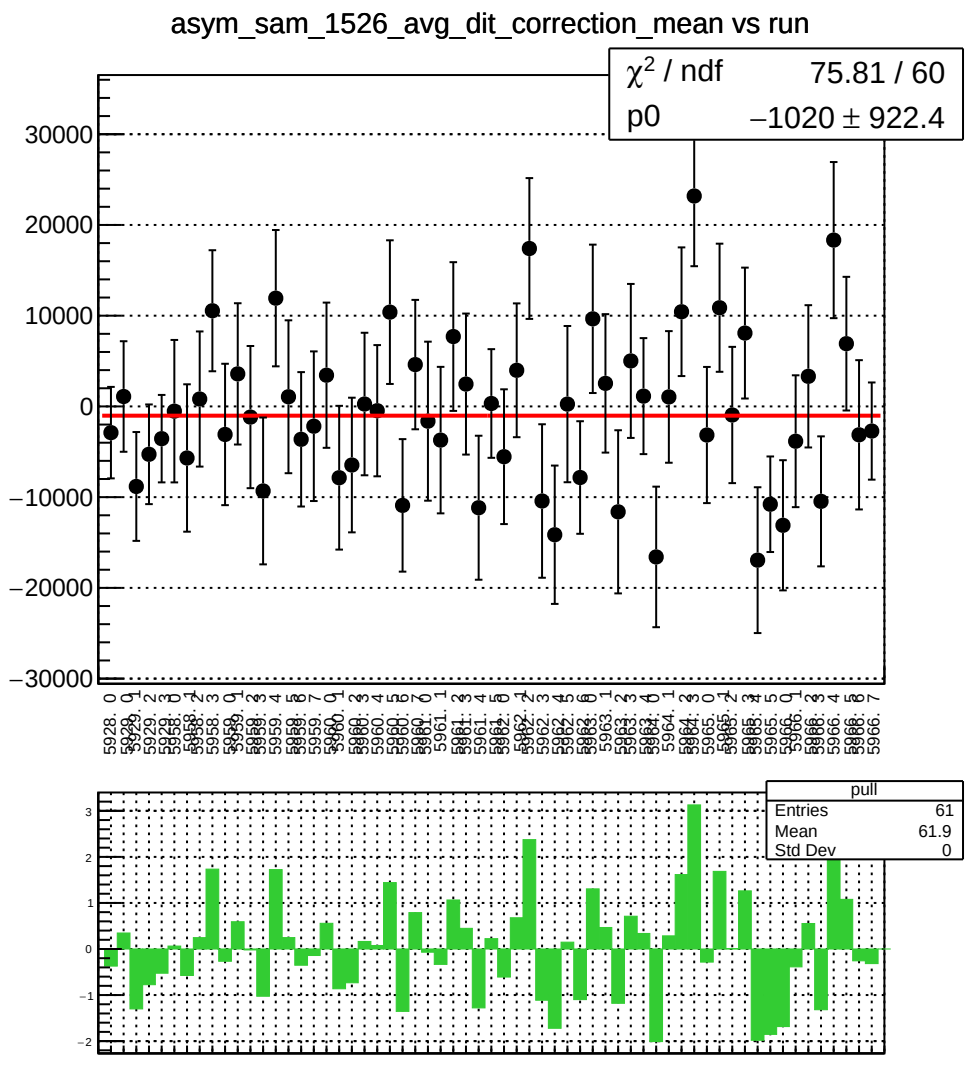

pull1D
Entries 61
Mean 0.02561
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

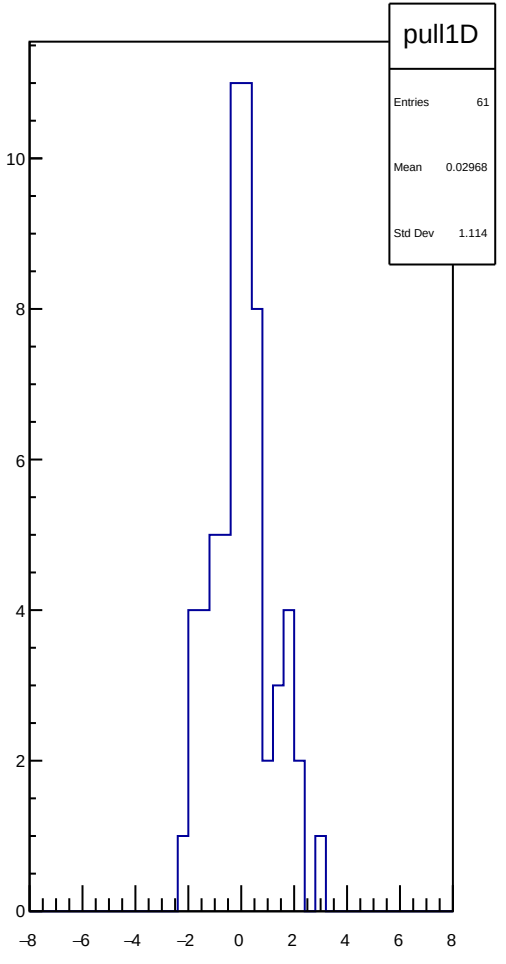

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.29e+04 / 60
p0 710.5 ± 0.6541
850
800
750
700
650
600
550
500

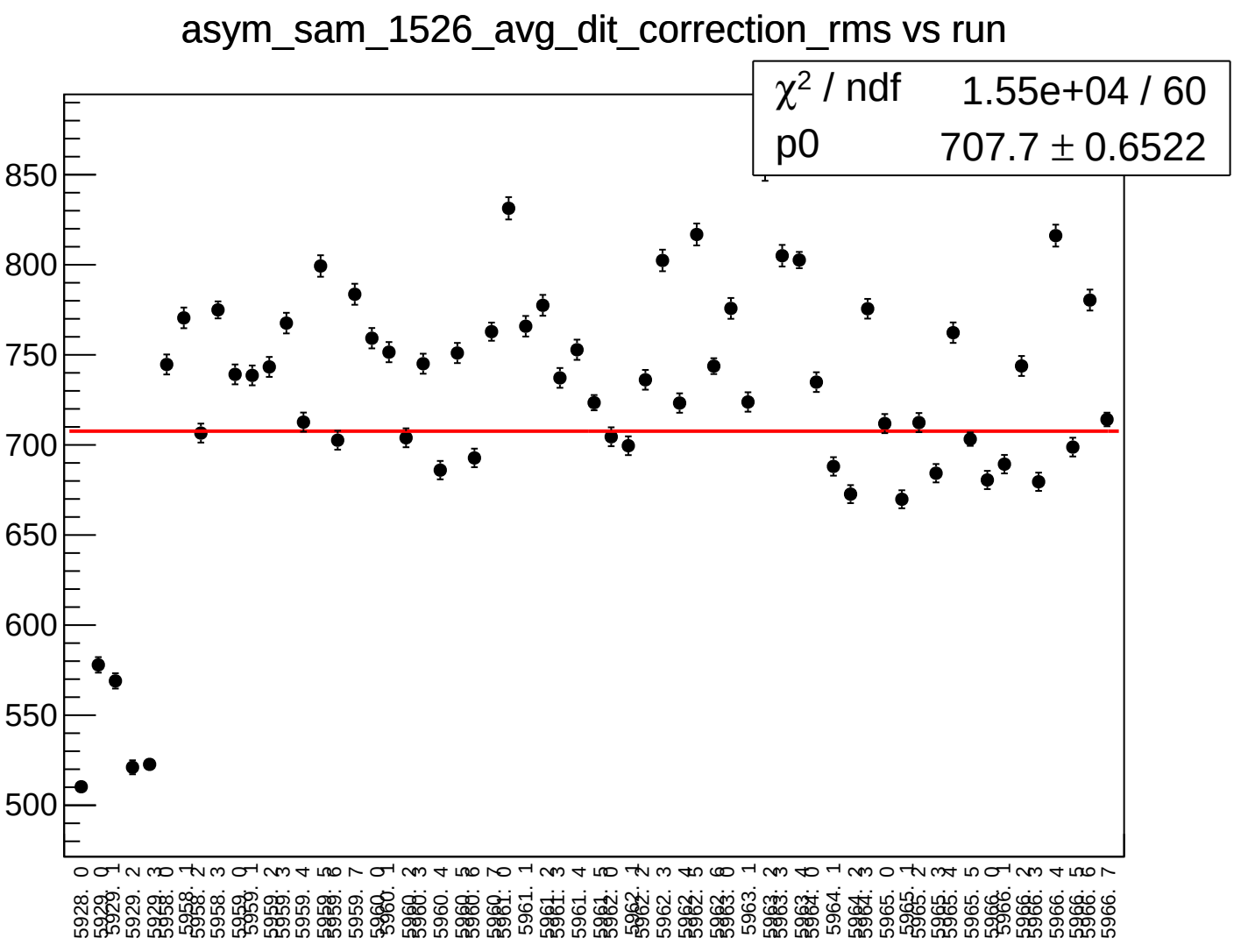

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 94.8 / 60
p0 −132 ± 86.01
pull
Entries 61
Mean −52.24
Std Dev 0

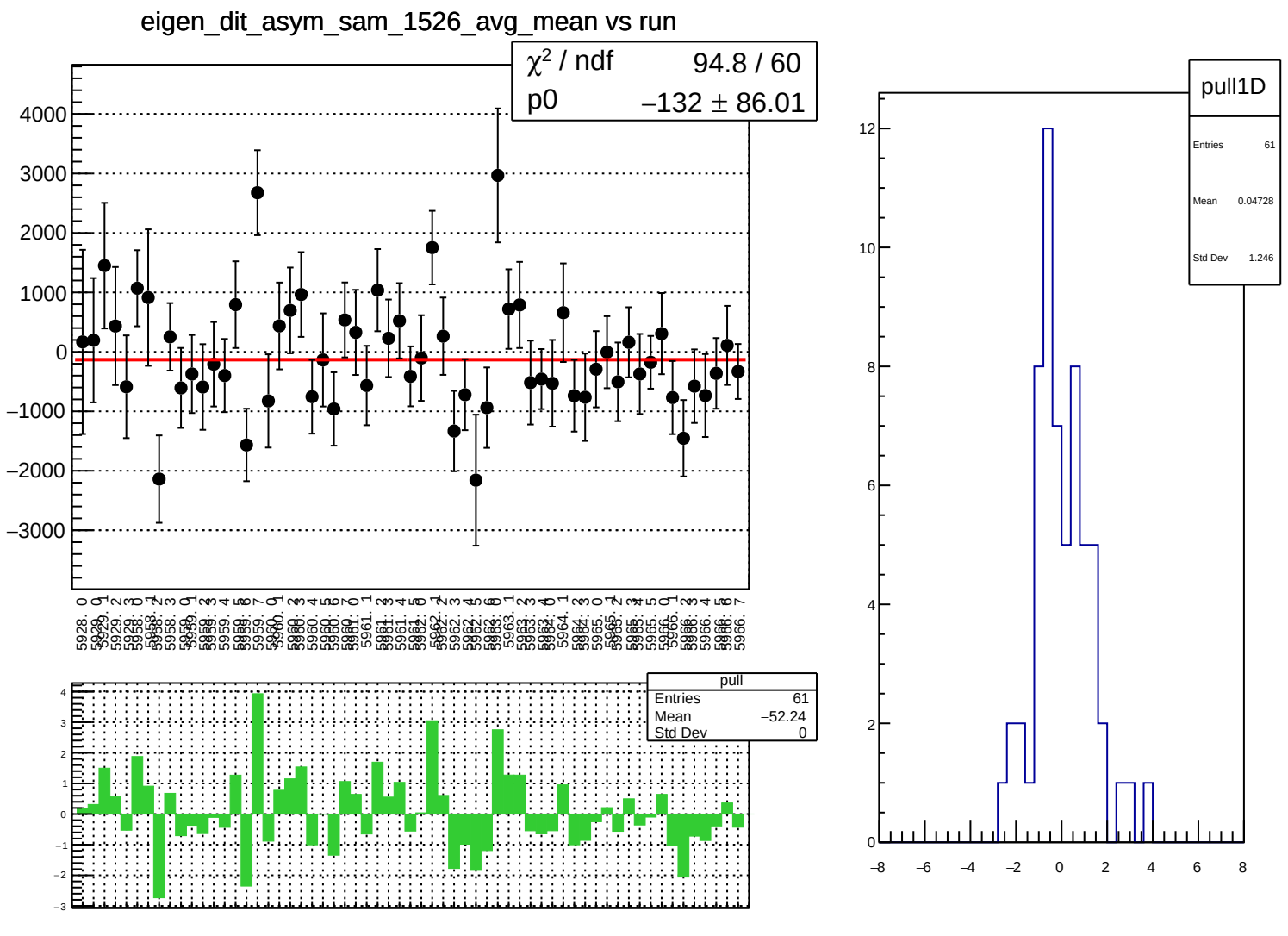

pull1D
Entries 61
Mean 0.04728
Std Dev 1.246

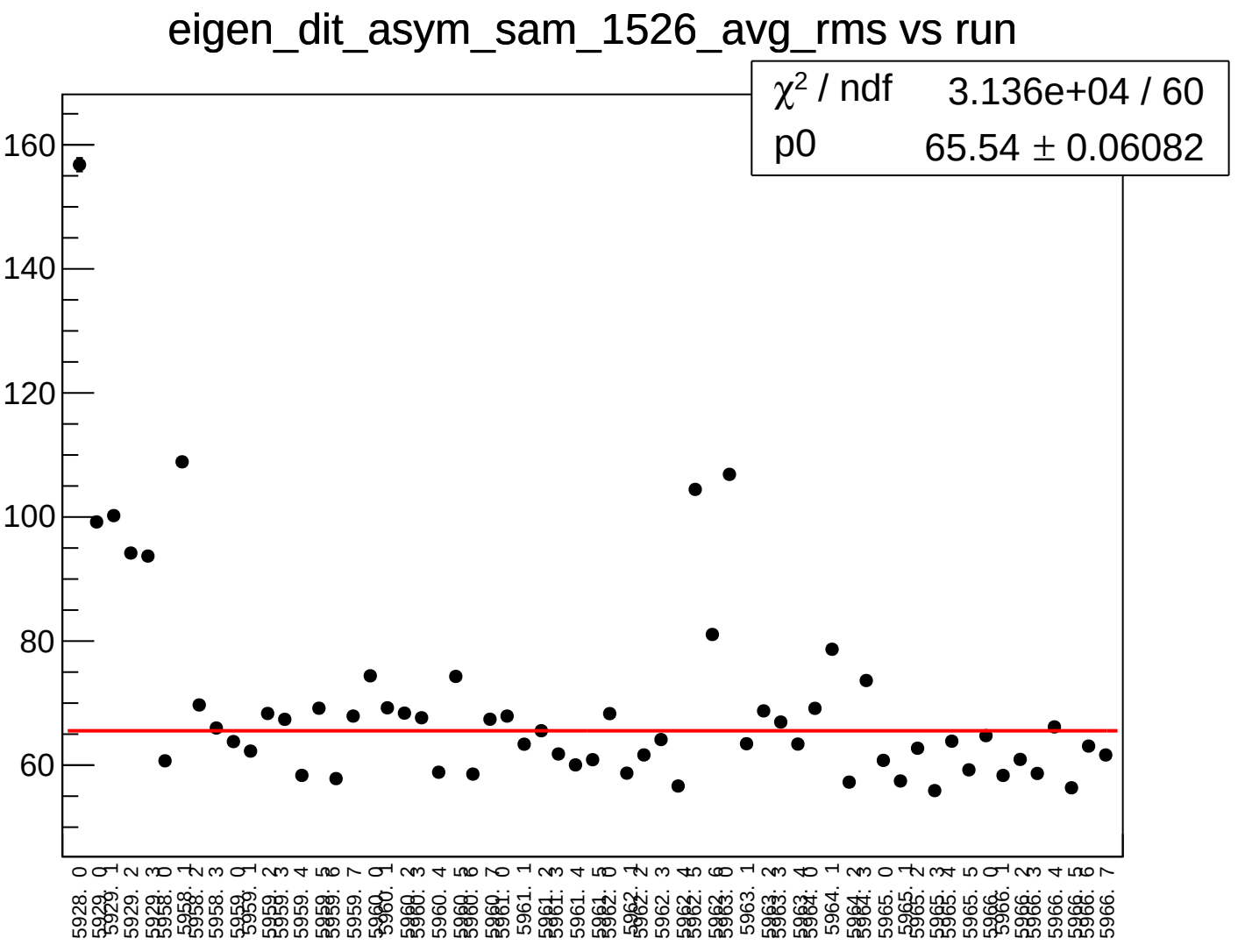

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3.136e+04 / 60
p0 65.54 ± 0.06082
160
140
120
100
80
60

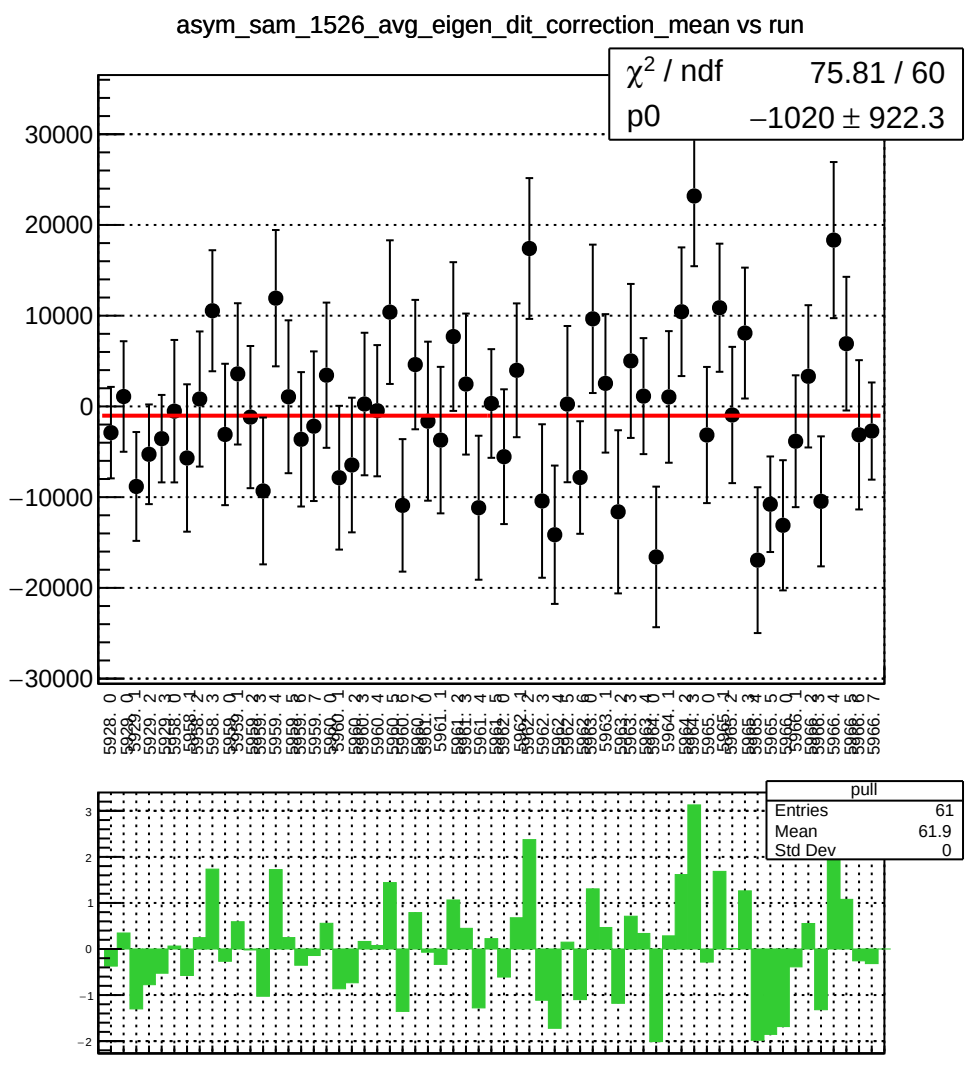

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 75.81 / 60
p0 −1020 ± 922.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 61.9
Std Dev 0
3
2
1
0
−1
−2

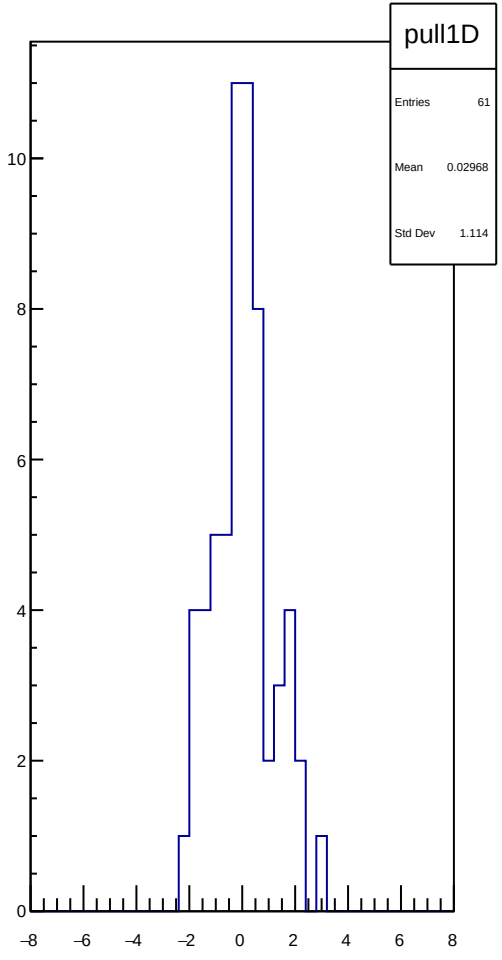

pull1D
Entries 61
Mean 0.02968
Std Dev 1.114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

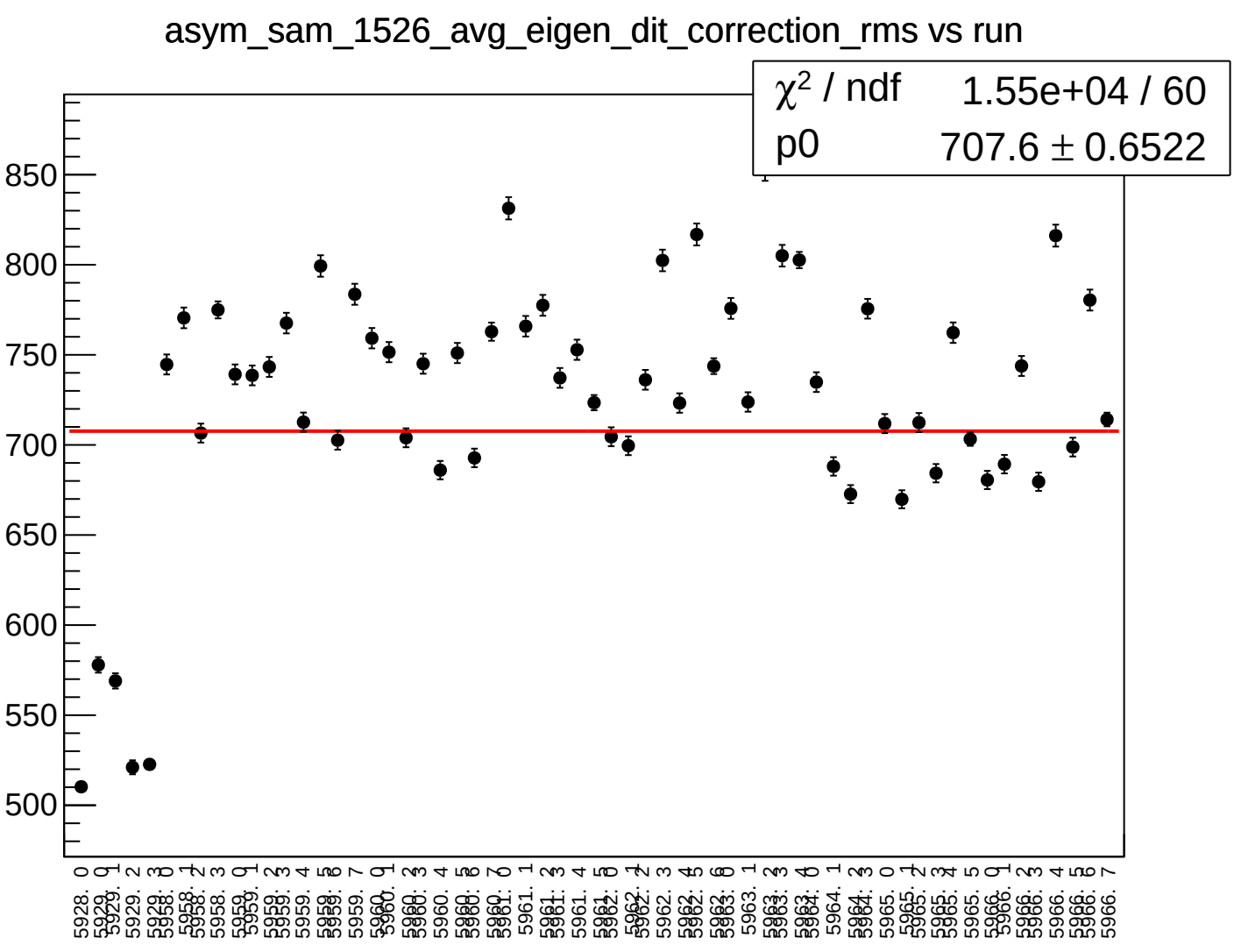

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1.55e+04 / 60
p0 707.7 ± 0.6522
850
800
750
700
650
600
550
500

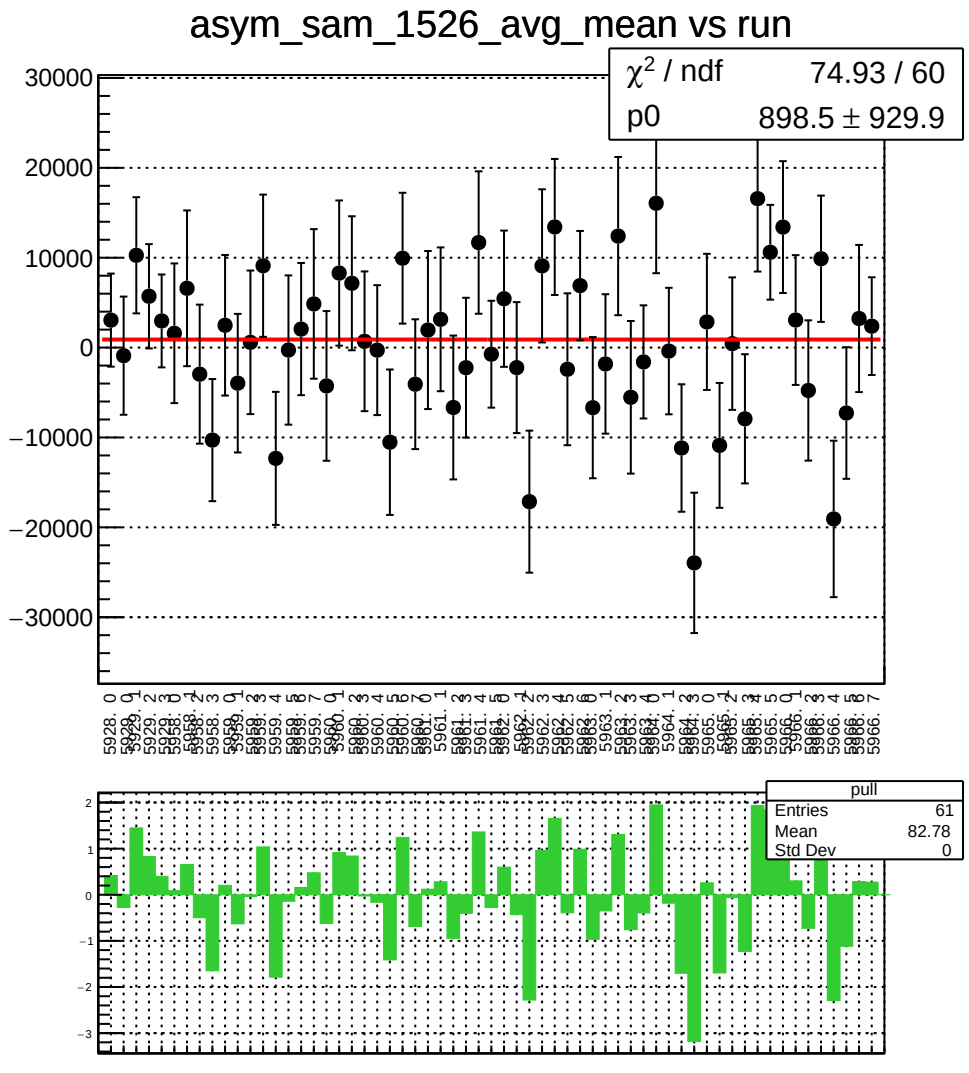

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 94.8 / 60
p0 −132 ± 86.01
pull
Entries 61
Mean −52.24
Std Dev 0
pull1D
Entries 61
Mean 0.04728
Std Dev 1.246

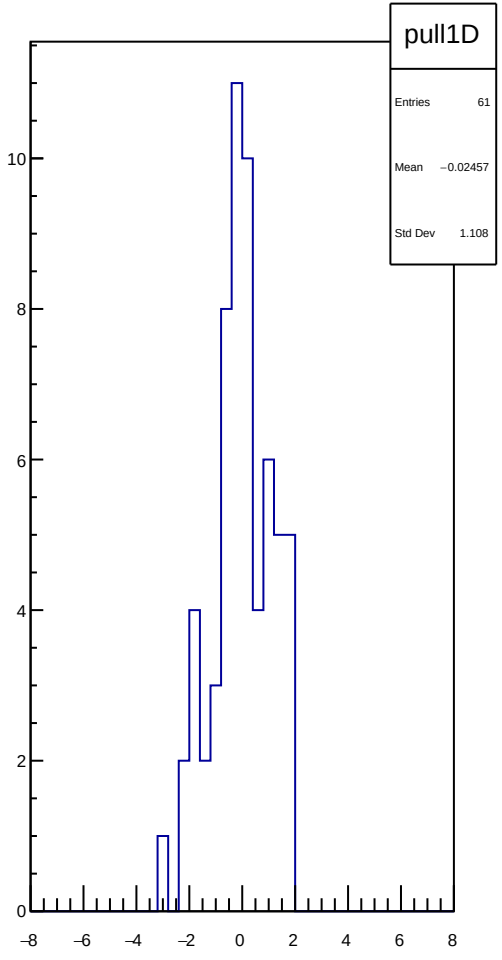

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 3.136e+04 / 60
p0 65.54 ± 0.06082
160
140
120
100
80
60

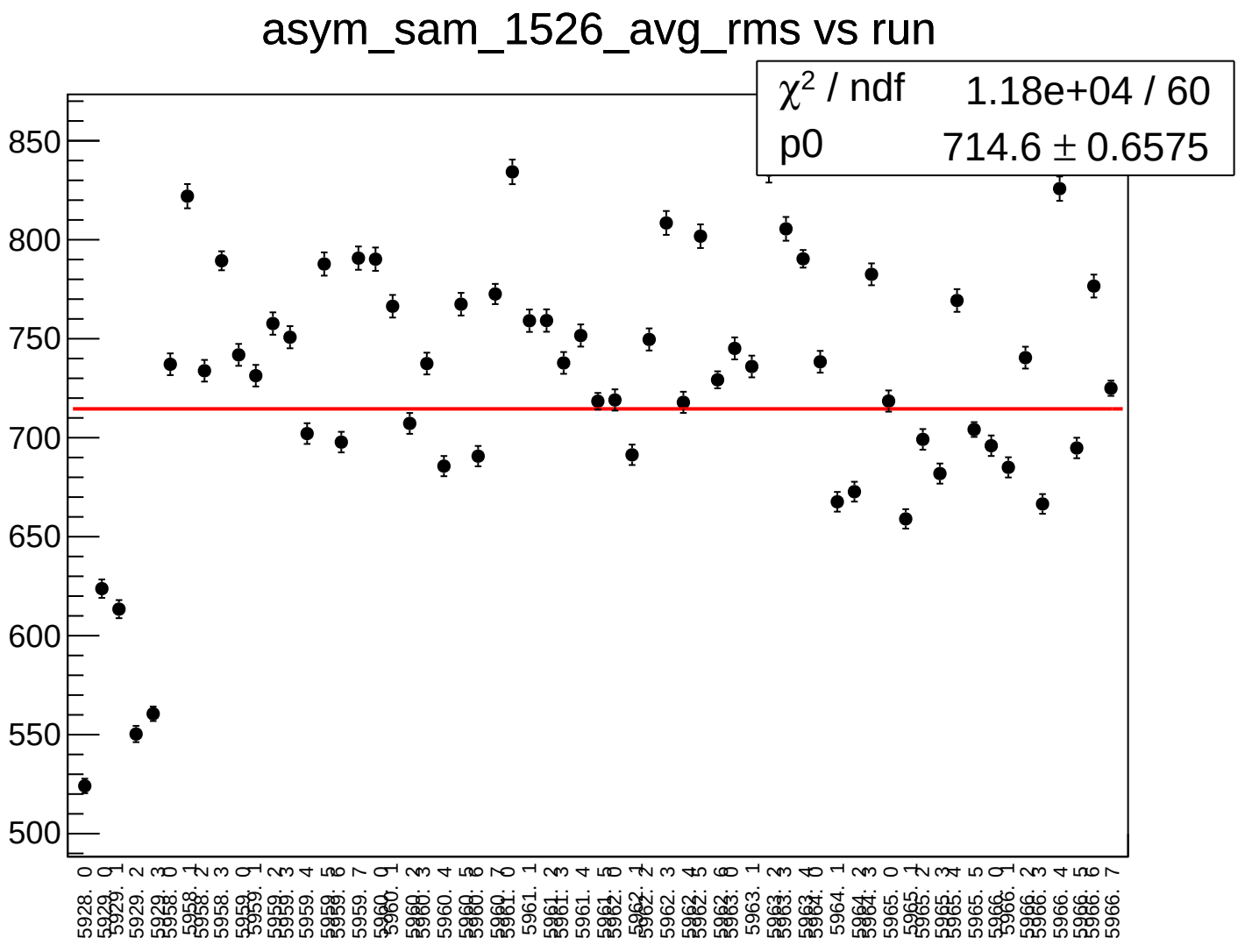

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.81 / 60
p0 −1020 ± 922.3
pull
Entries 61
Mean 61.9
Std Dev 0

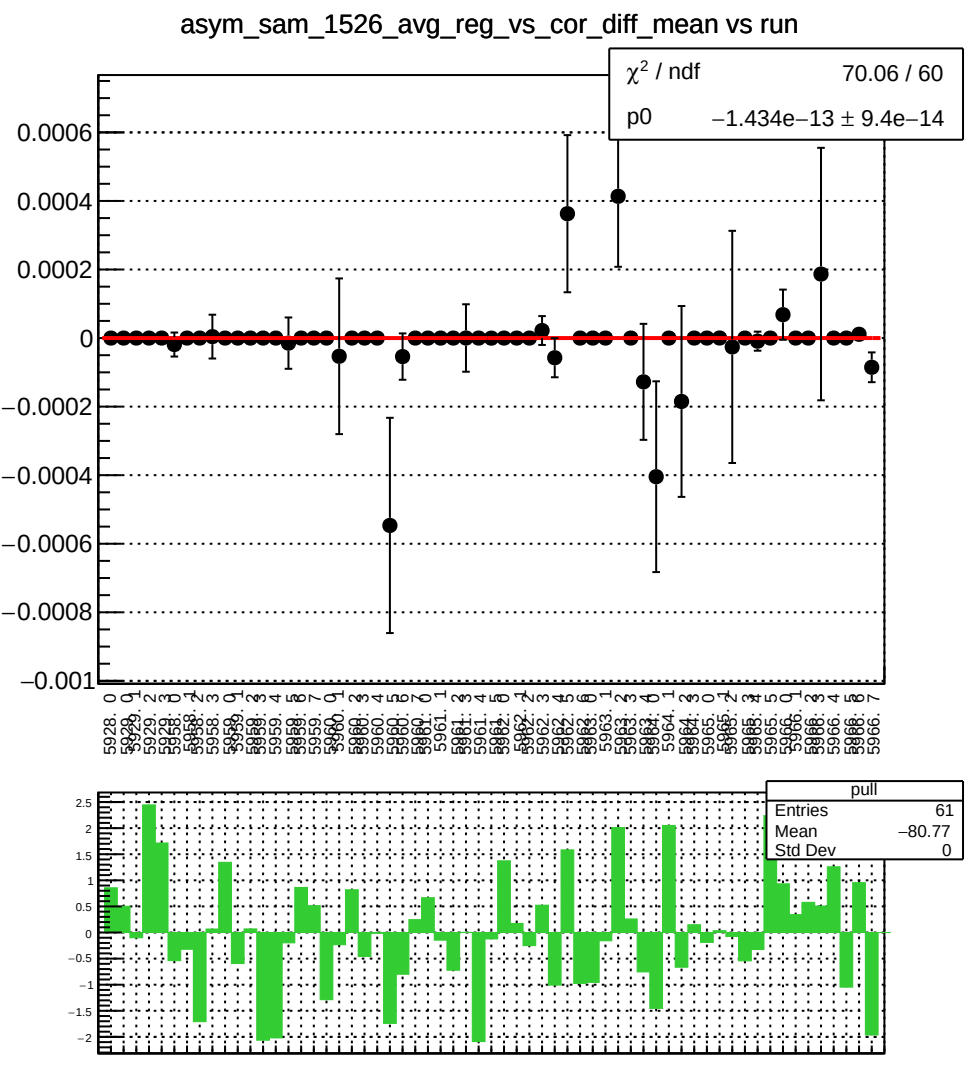

pull1D
Entries 61
Mean 0.02968
Std Dev 1.114

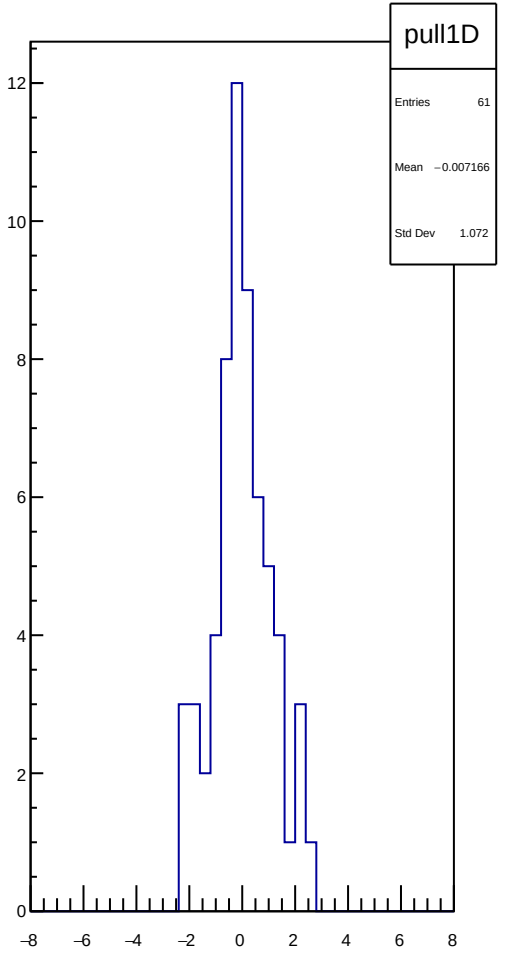

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.55e+04 / 60
p0 707.6 ± 0.6522
850
800
750
700
650
600
550
500

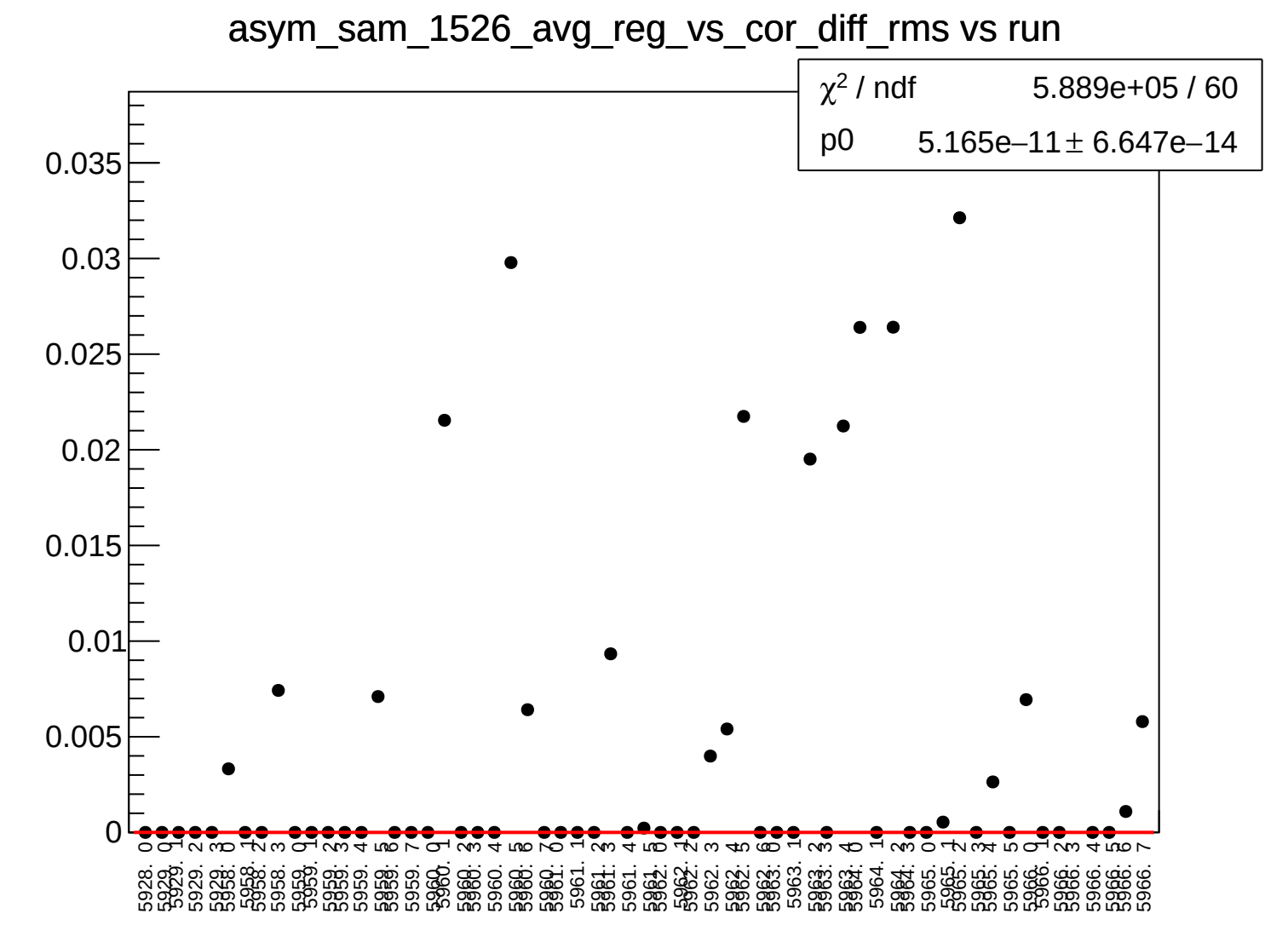

asym_sam_1526_avg_mean vs run
χ² / ndf 74.93 / 60
p0 898.5 ± 929.9
pull
Entries 61
Mean 82.78
Std Dev 0

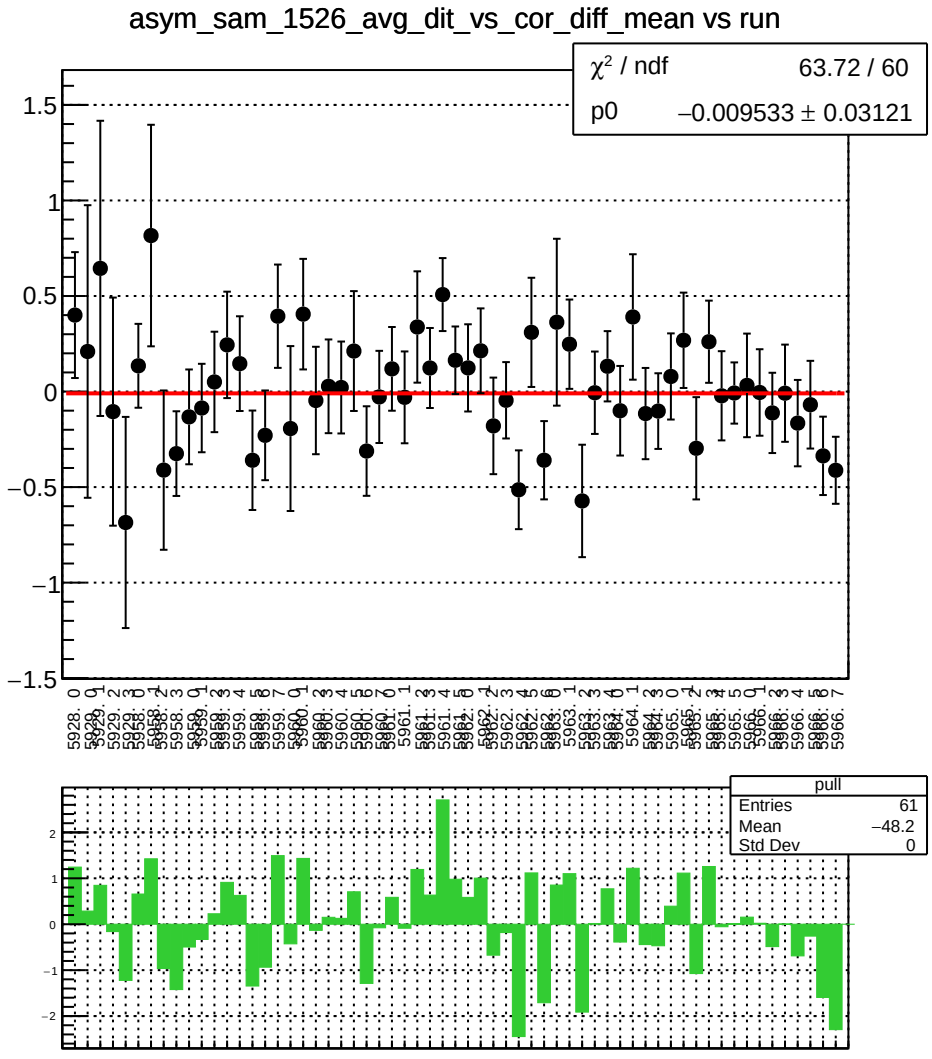

pull1D
Entries 61
Mean −0.02457
Std Dev 1.108

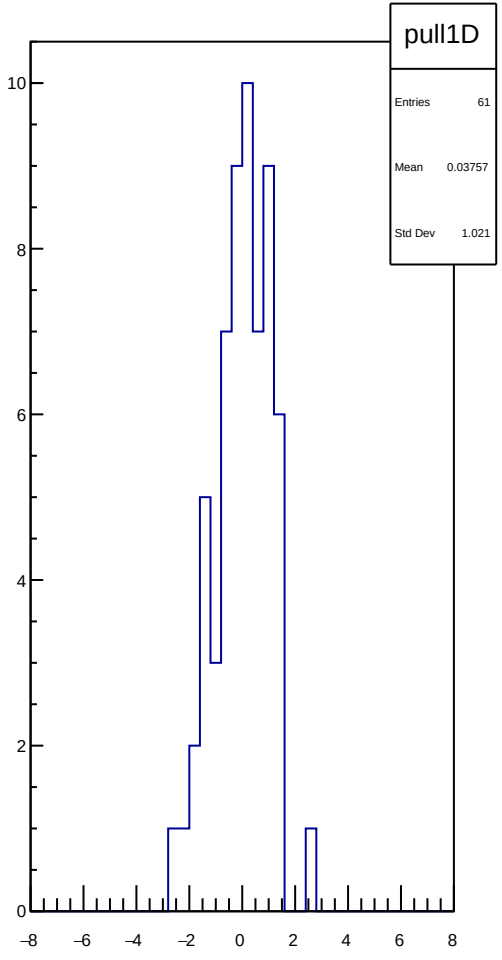

asym_sam_1526_avg_rms vs run
χ² / ndf 1.18e+04 / 60
p0 714.6 ± 0.6575
850
800
750
700
650
600
550
500

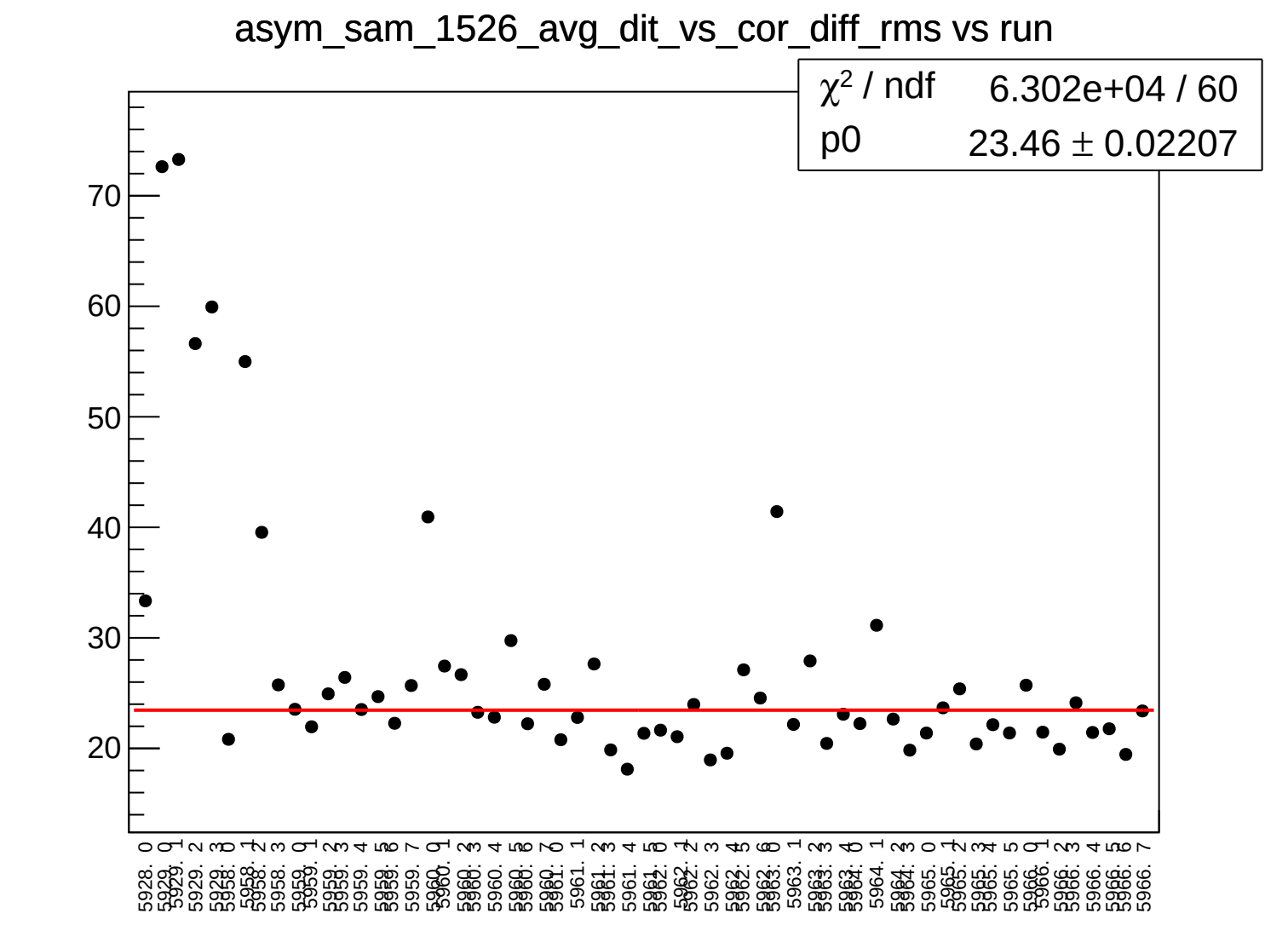

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.06 / 60
p0 −1.434e−13 ± 9.4e−14
pull
Entries 61
Mean −80.77
Std Dev 0

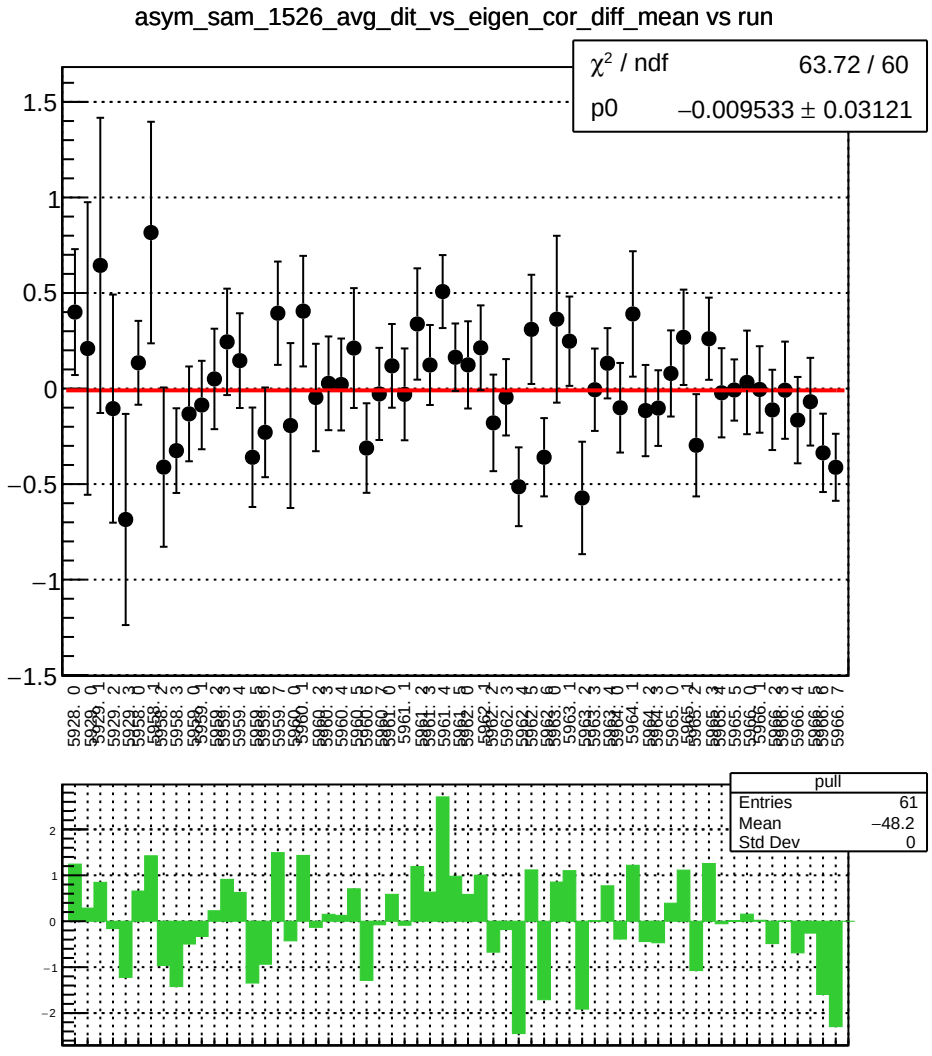

pull1D
Entries 61
Mean −0.007166
Std Dev 1.072

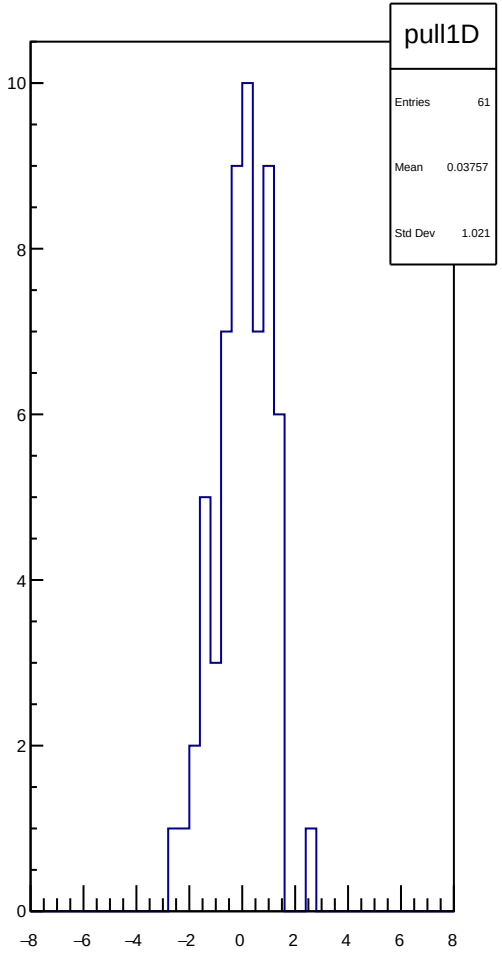

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.889e+05 / 60
p0 5.165e−11 ± 6.647e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

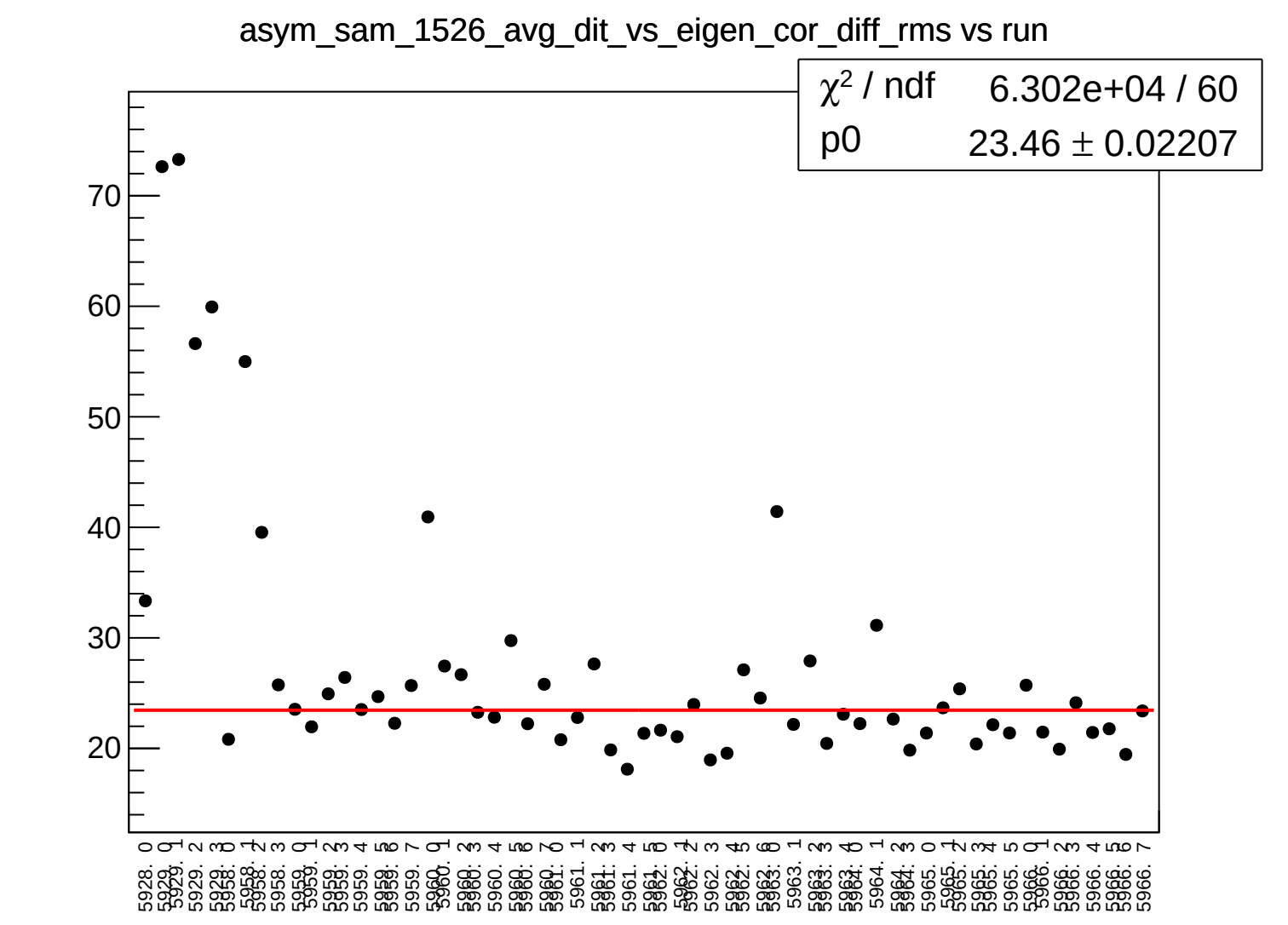

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.72 / 60
p0 −0.009533 ± 0.03121
pull
Entries 61
Mean −48.2
Std Dev 0

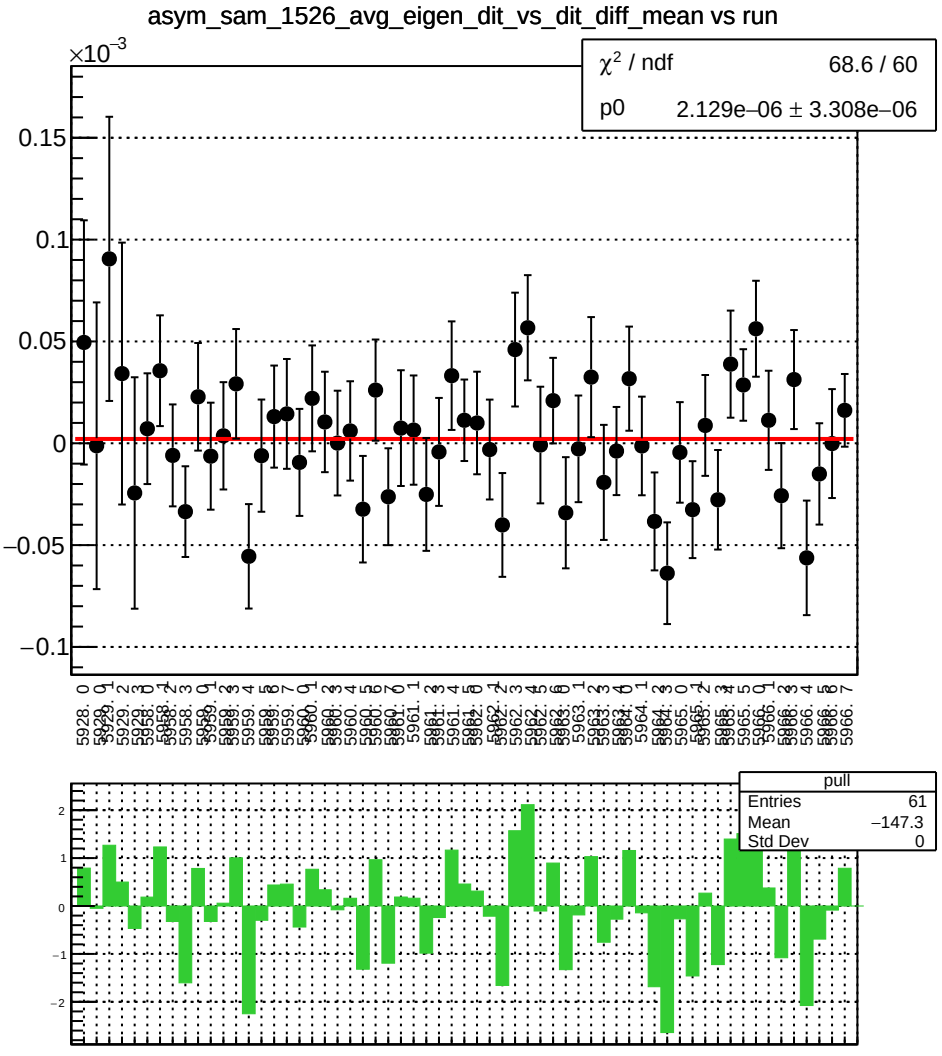

pull1D
Entries 61
Mean 0.03757
Std Dev 1.021

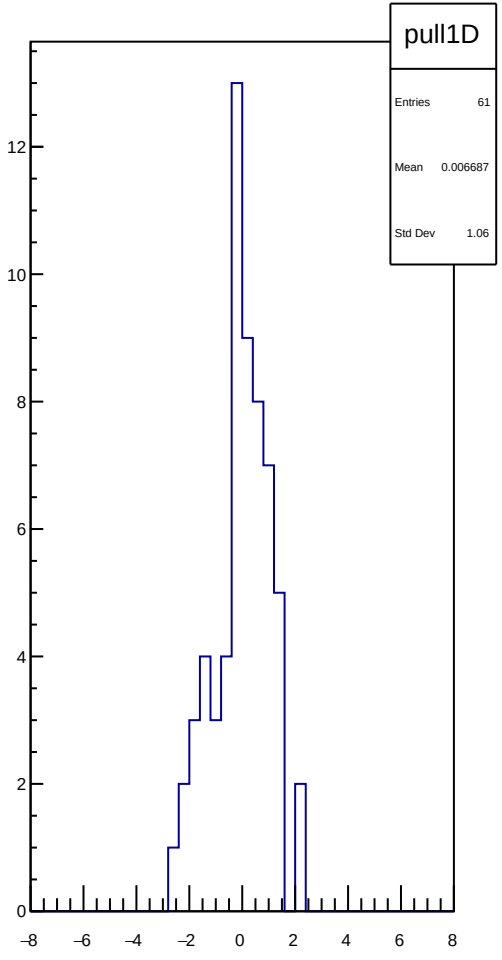

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.302e+04 / 60
p0 23.46 ± 0.02207
70
60
50
40
30
20

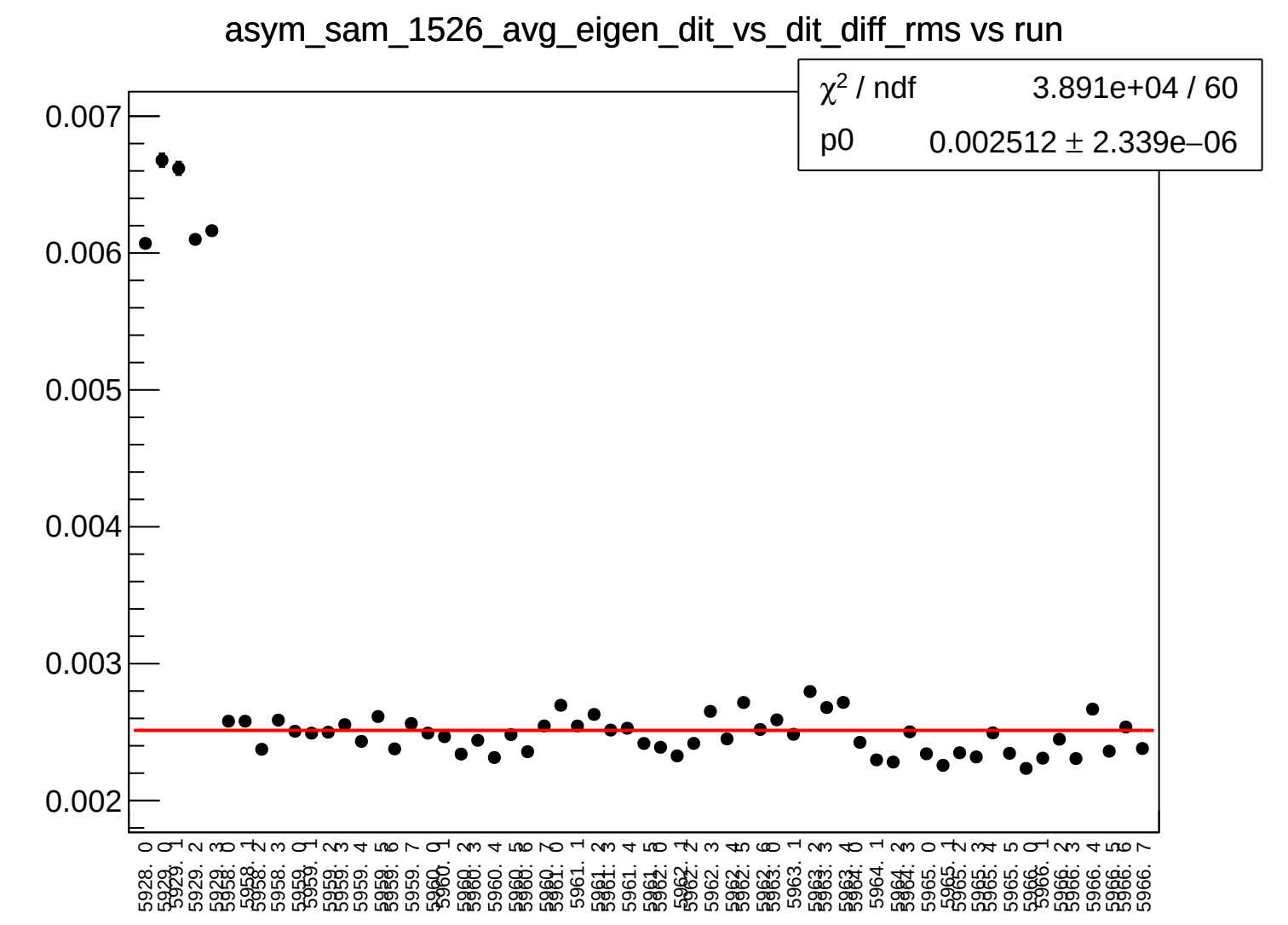

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.72 / 60
p0 −0.009533 ± 0.03121
pull
Entries 61
Mean −48.2
Std Dev 0

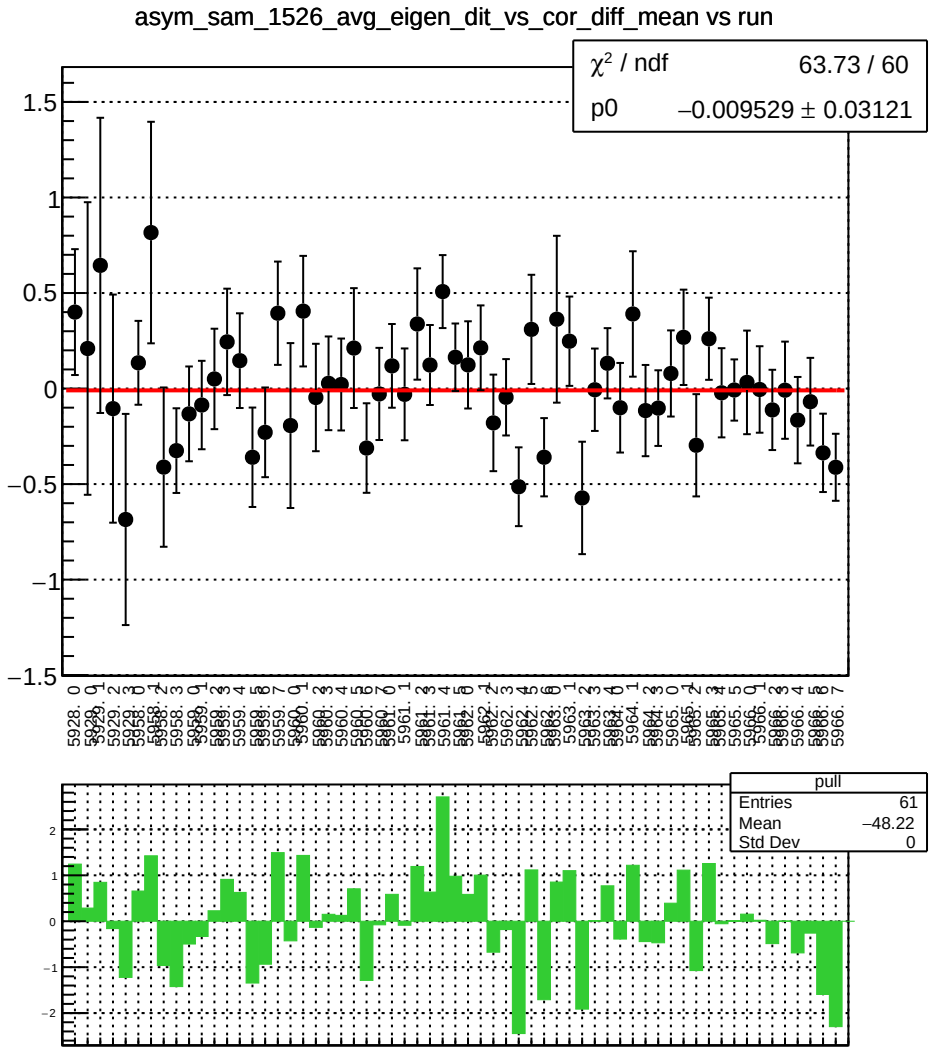

pull1D
Entries 61
Mean 0.03757
Std Dev 1.021

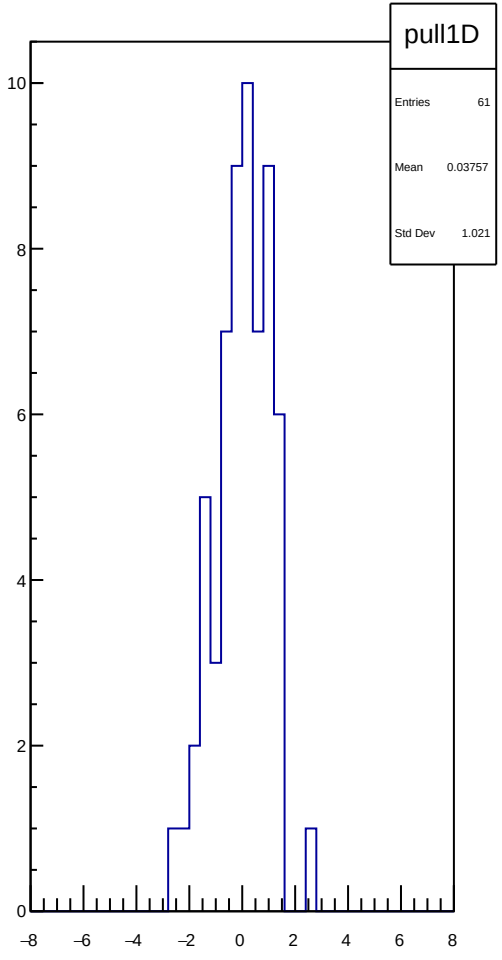

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 60
p0 23.46 ± 0.02207
70
60
50
40
30
20

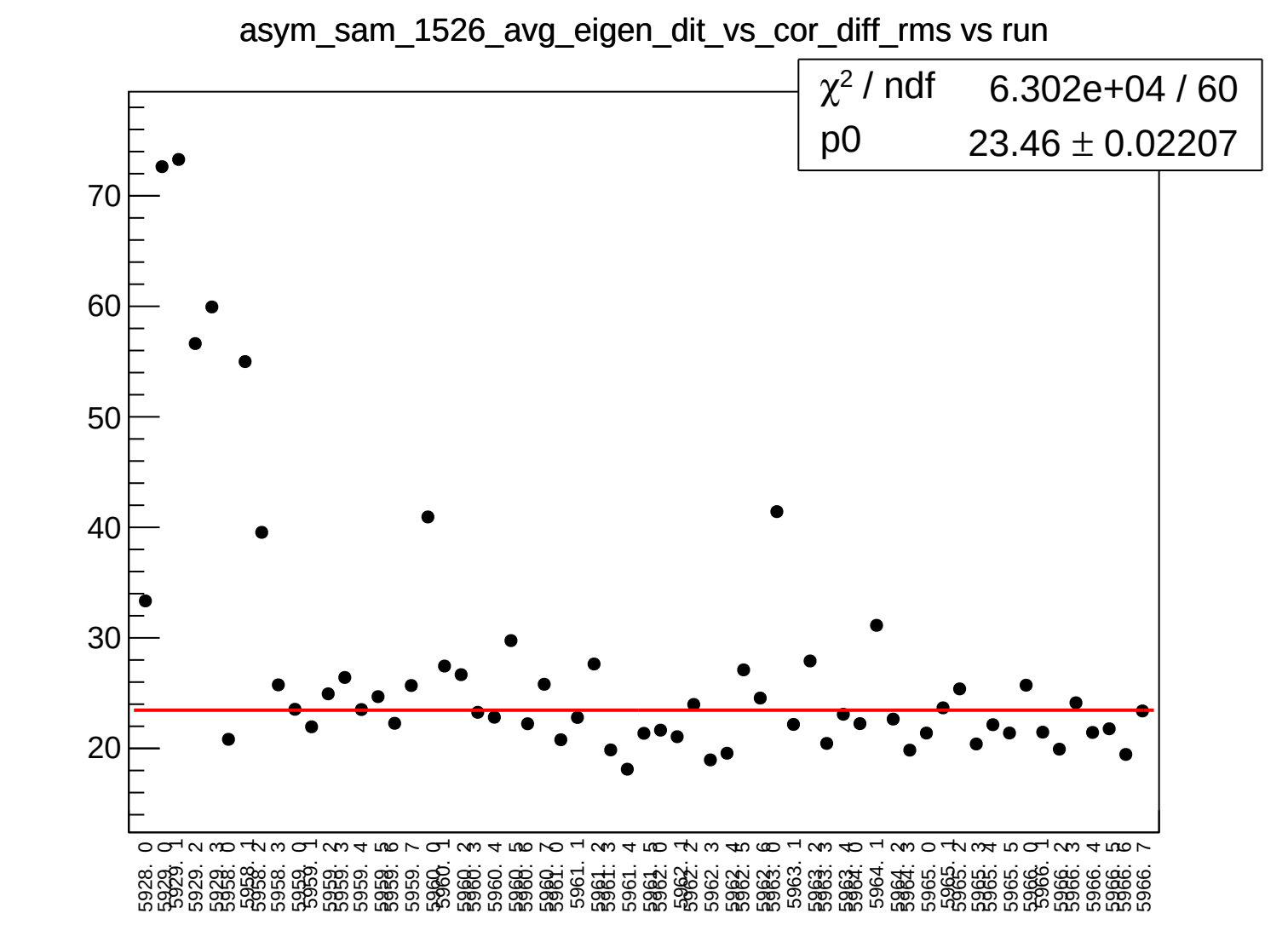

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.6 / 60
p0 2.129e−06 ± 3.308e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 61
Mean −147.3
Std Dev 0
2
1
0
−1
−2

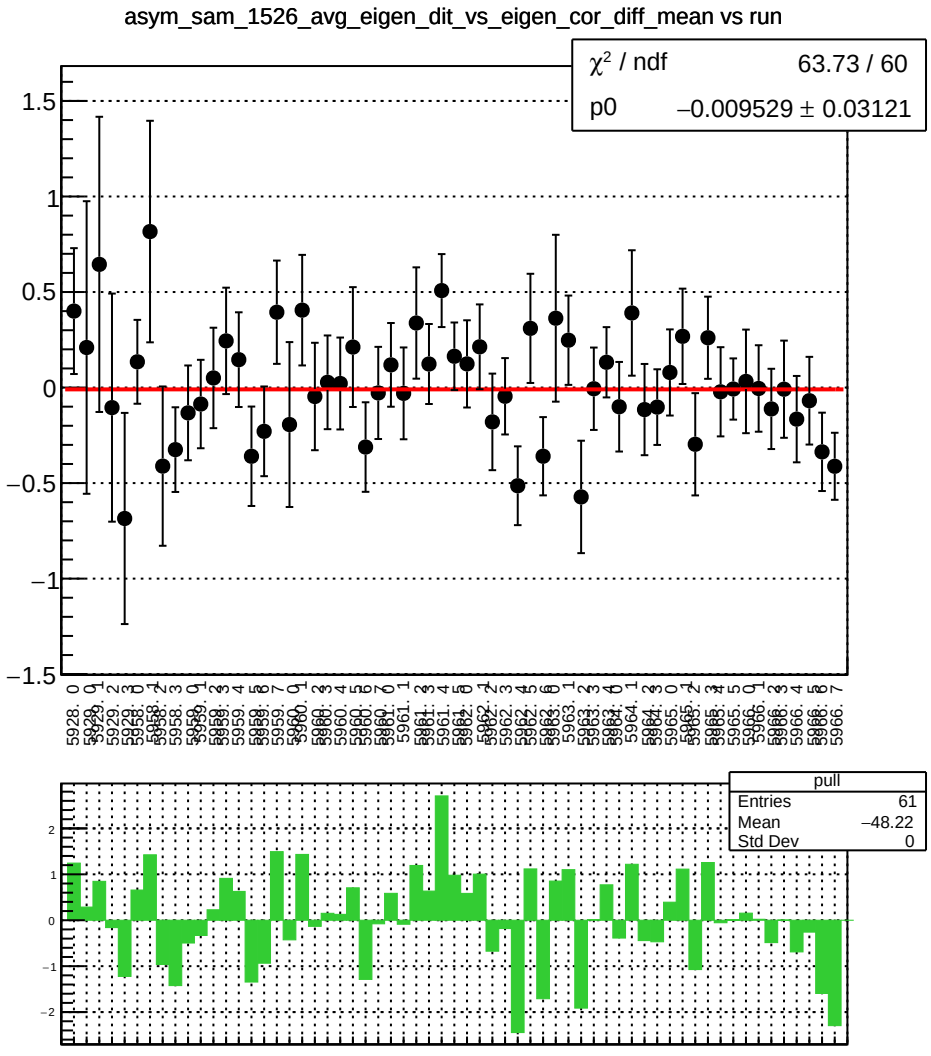

pull1D
Entries 61
Mean 0.006687
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

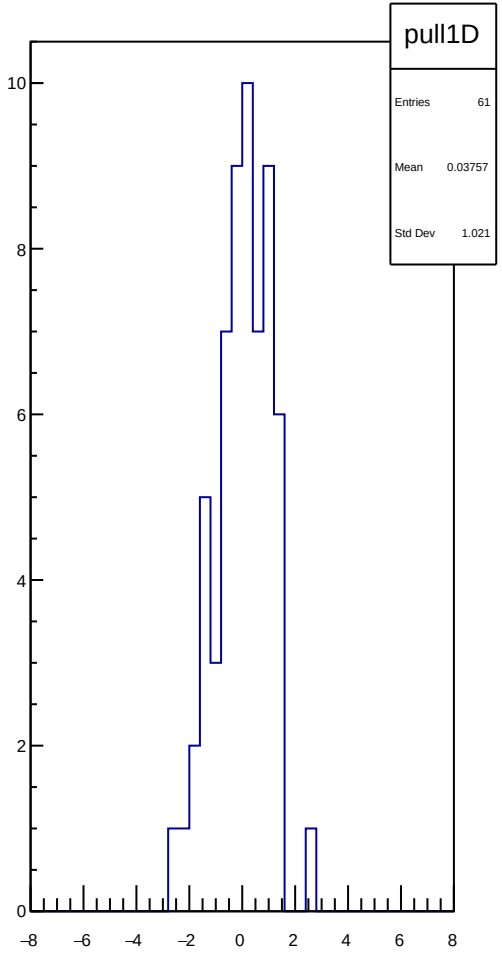

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.891e+04 / 60
p0 0.002512 ± 2.339e−06
0.007
0.006
0.005
0.004
0.003
0.002

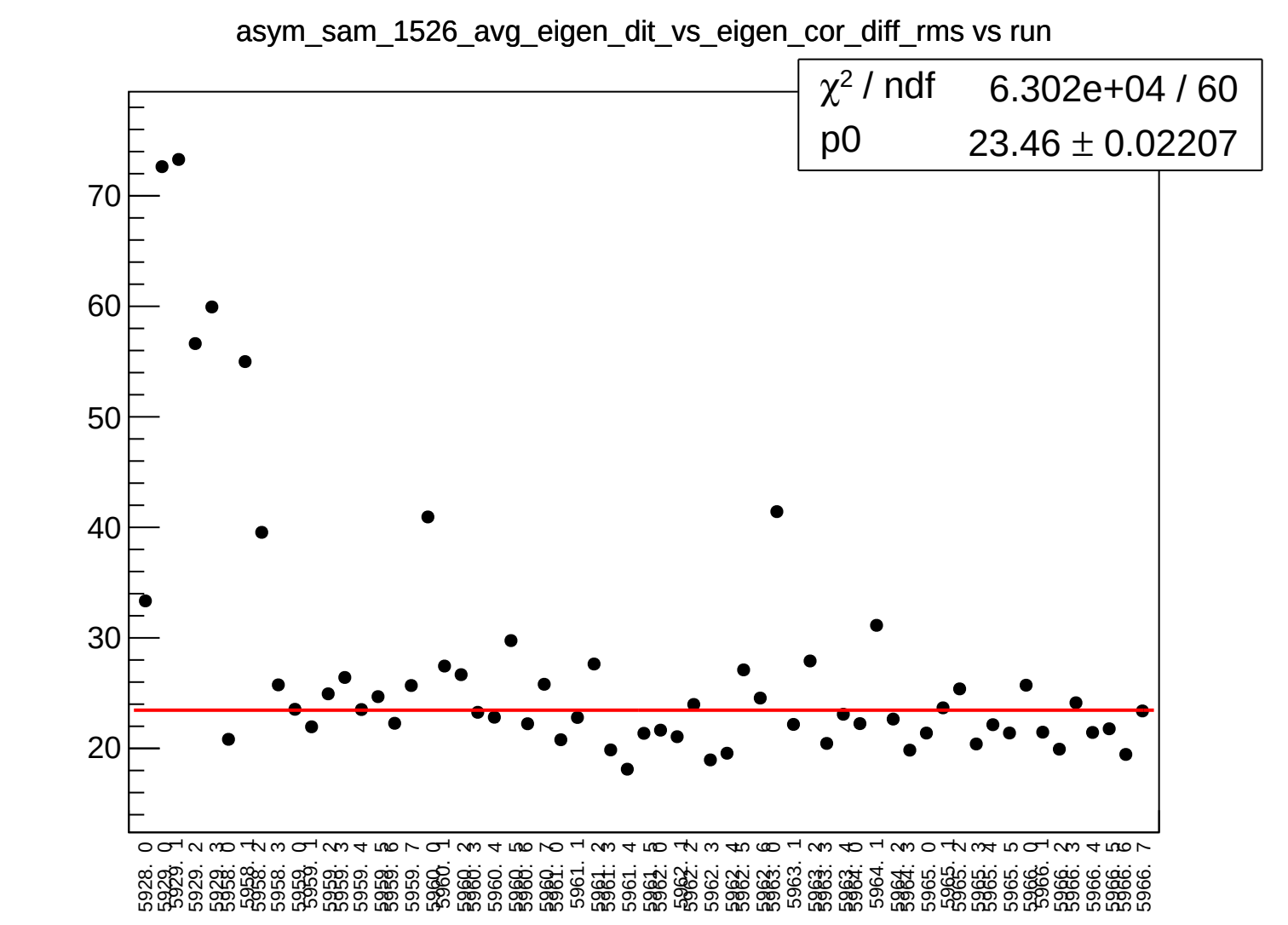

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.73 / 60
p0 −0.009529 ± 0.03121
pull
Entries 61
Mean −48.22
Std Dev 0

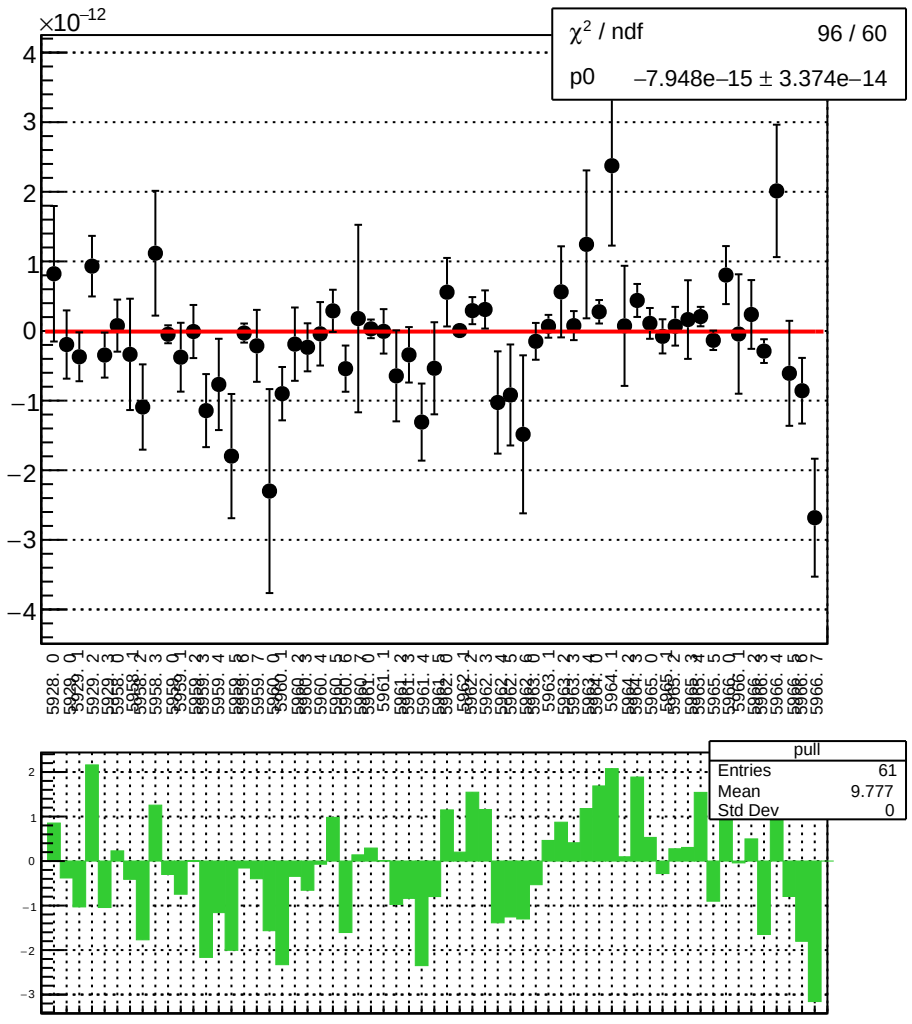

pull1D
Entries 61
Mean 0.03757
Std Dev 1.021

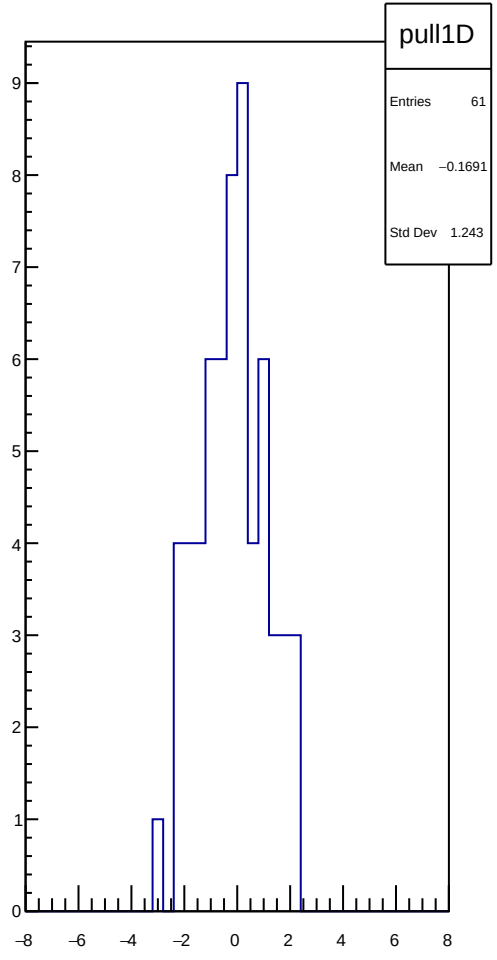

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 60
p0 23.46 ± 0.02207
70
60
50
40
30
20

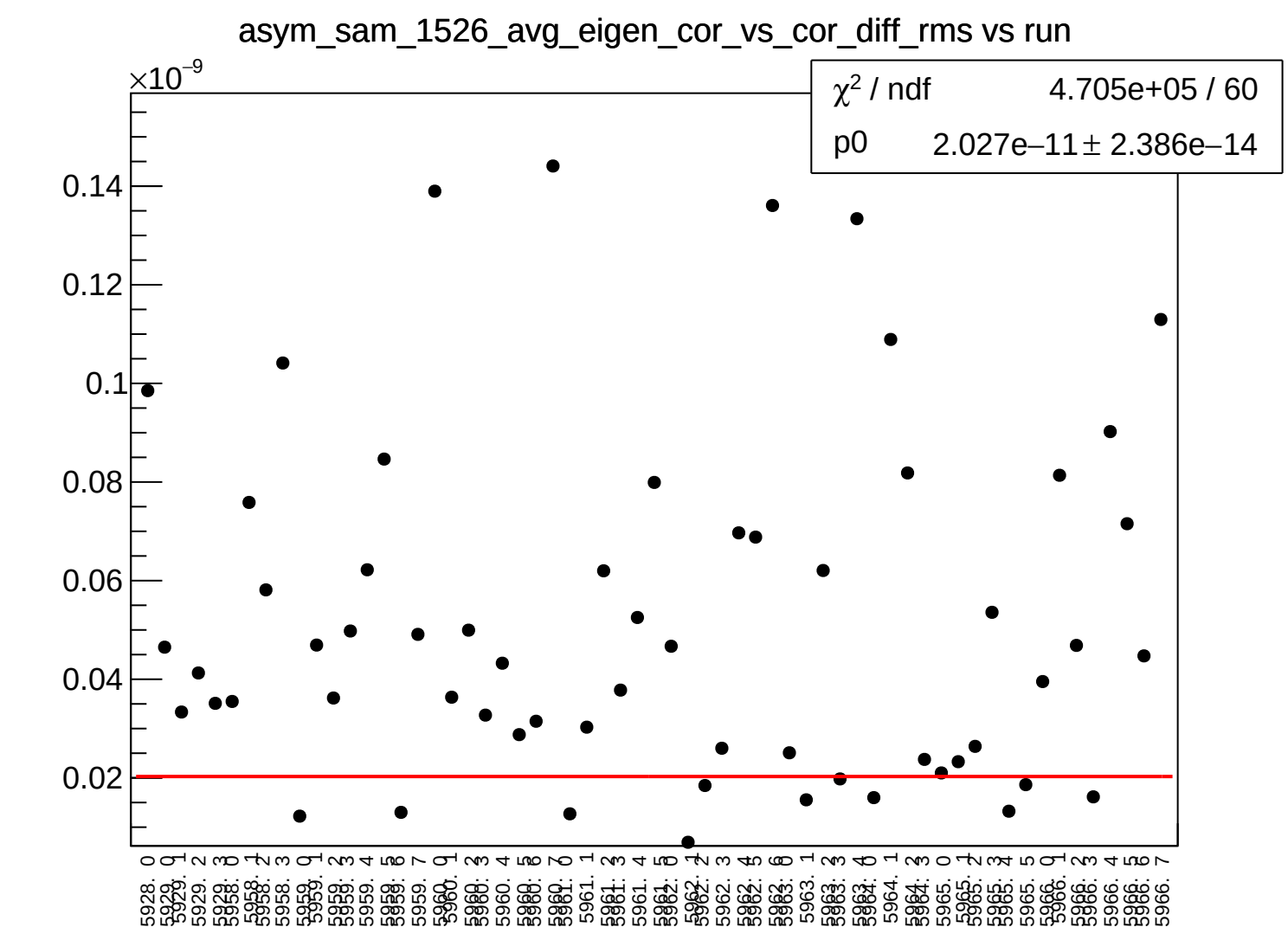

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.73 / 60
p0 −0.009529 ± 0.03121
pull
Entries 61
Mean −48.22
Std Dev 0

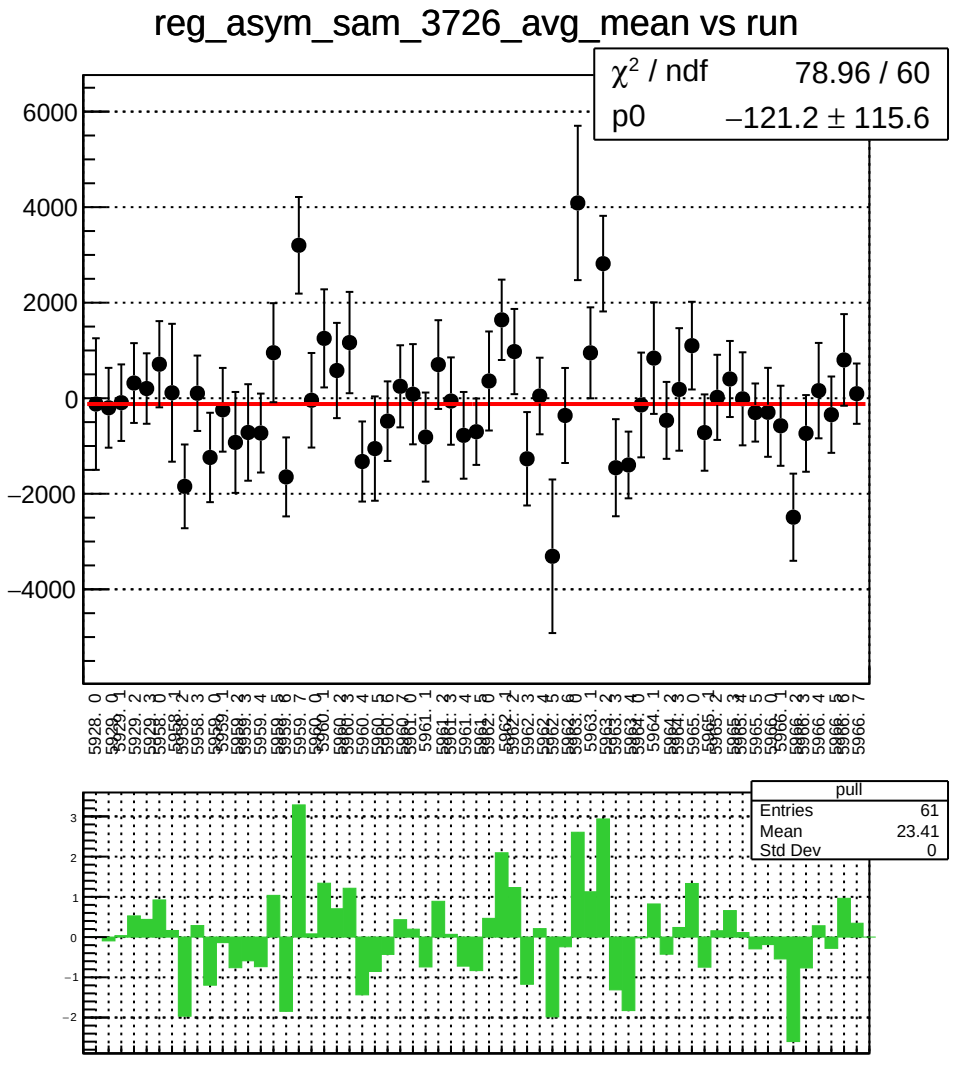

pull1D
Entries 61
Mean 0.03757
Std Dev 1.021

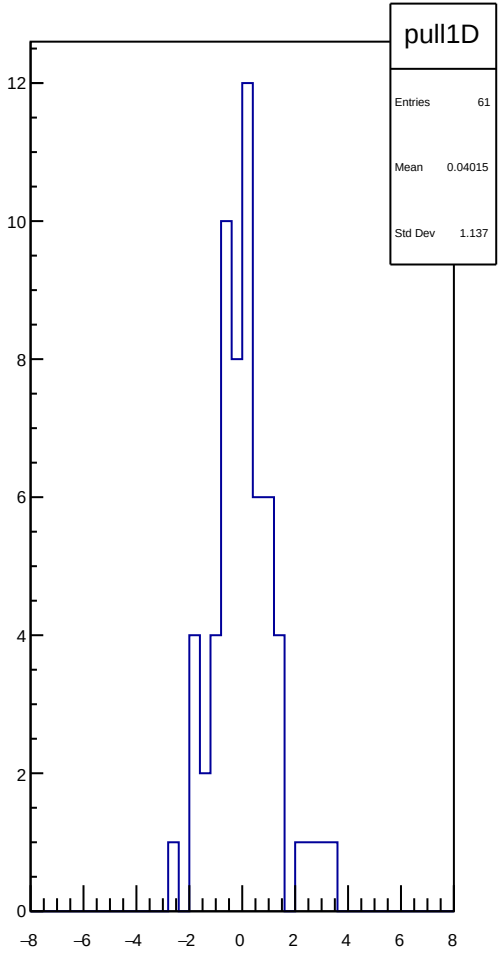

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.302e+04 / 60
p0 23.46 ± 0.02207
70
60
50
40
30
20

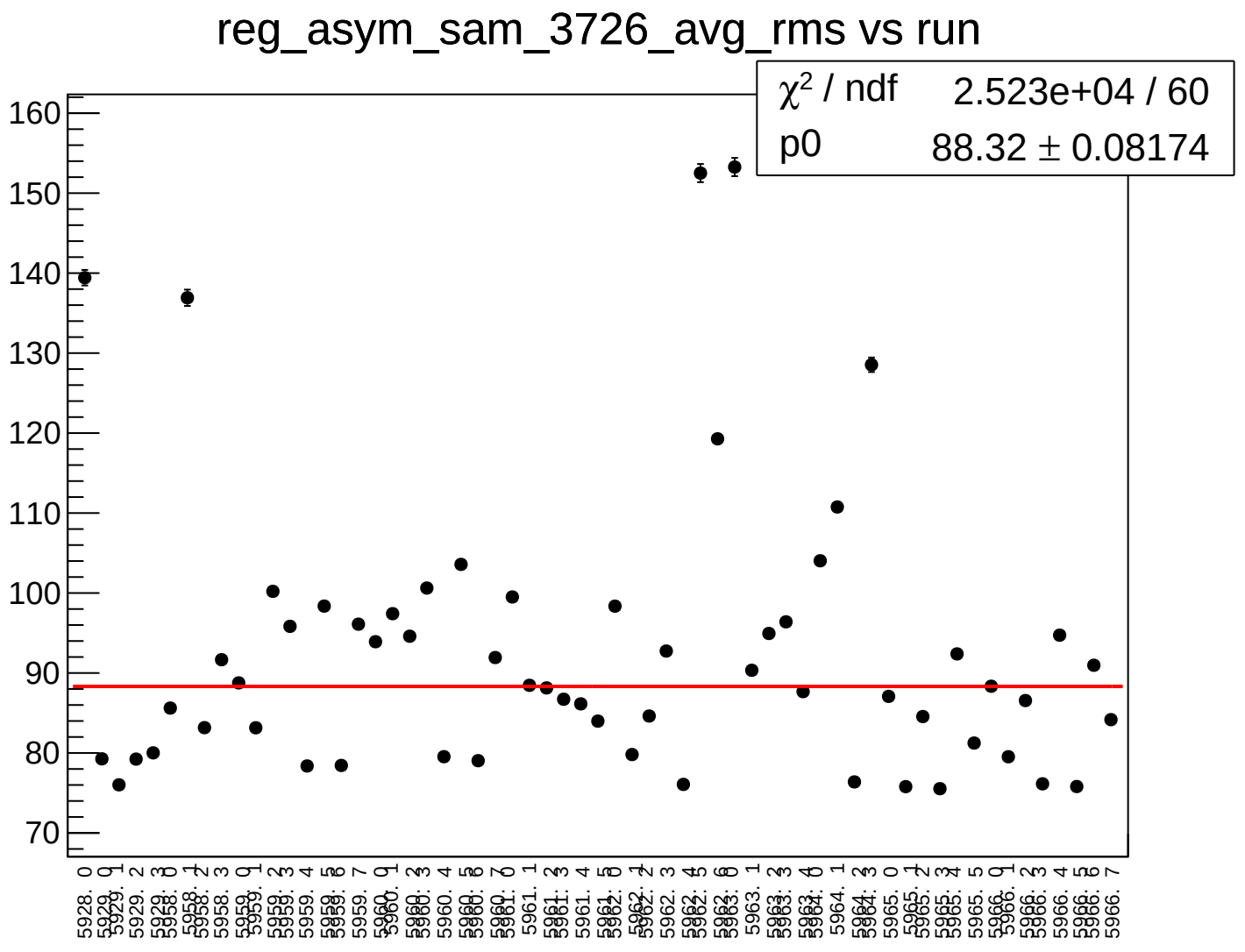

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10^-12
χ² / ndf 96 / 60
p0 −7.948e−15 ± 3.374e−14
pull
Entries 61
Mean 9.777
Std Dev 0

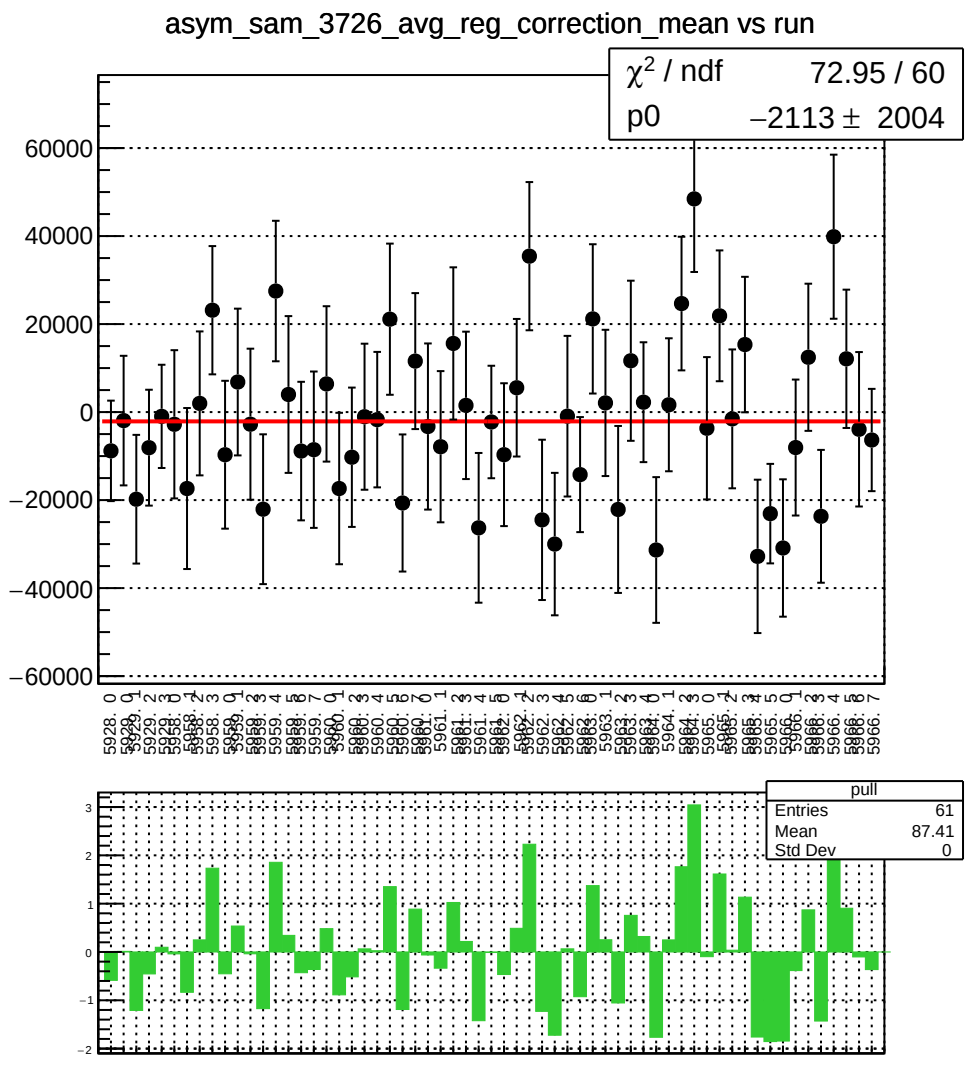

pull1D
Entries 61
Mean −0.1691
Std Dev 1.243

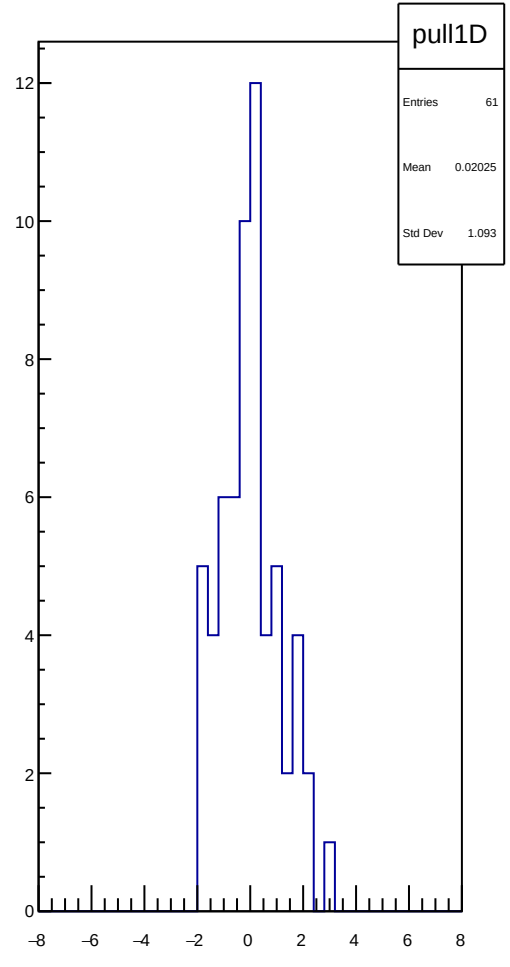

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.705e+05 / 60
p0 2.027e−11 ± 2.386e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

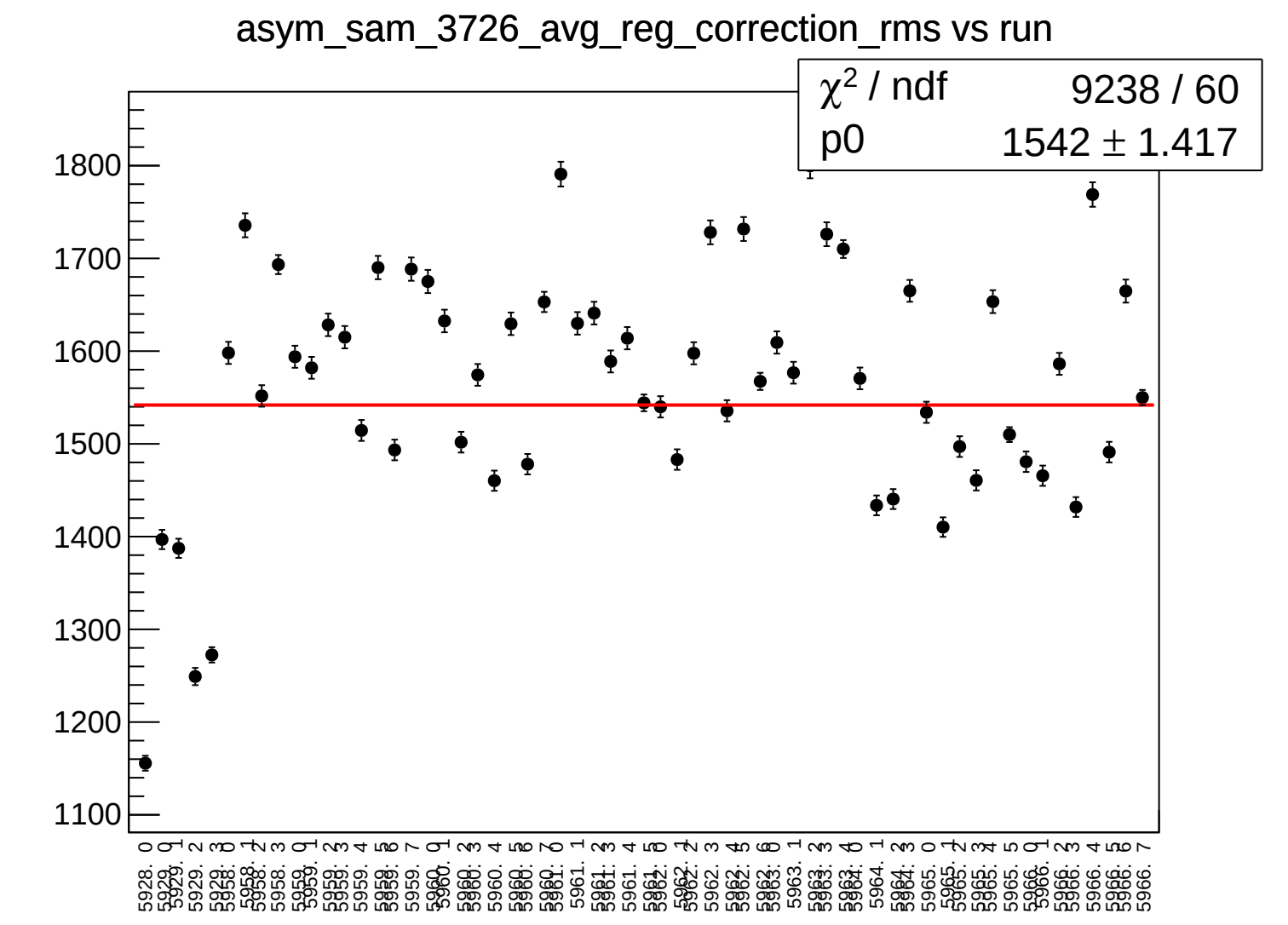

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 78.96 / 60
p0 −121.2 ± 115.6
6000
4000
2000
0
−2000
−4000
pull
Entries 61
Mean 23.41
Std Dev 0
3
2
1
0
−1
−2

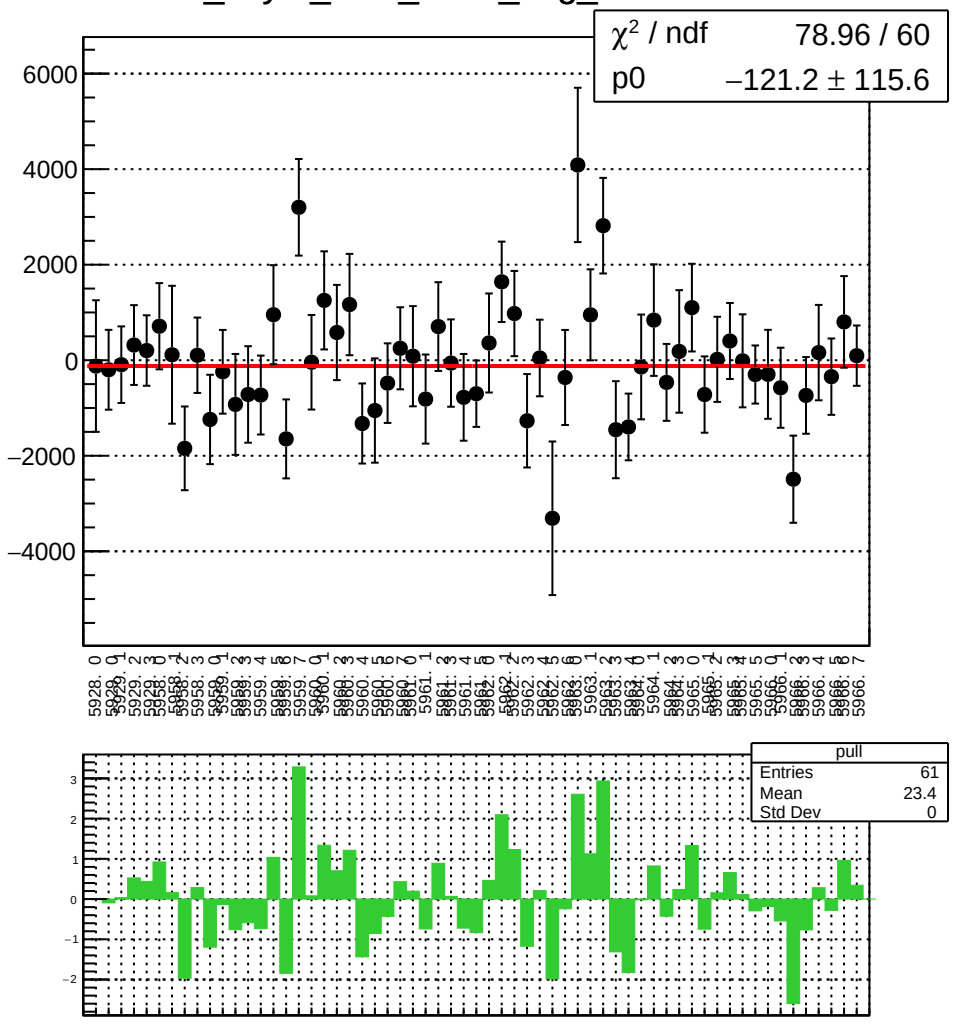

pull1D
Entries 61
Mean 0.04015
Std Dev 1.137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

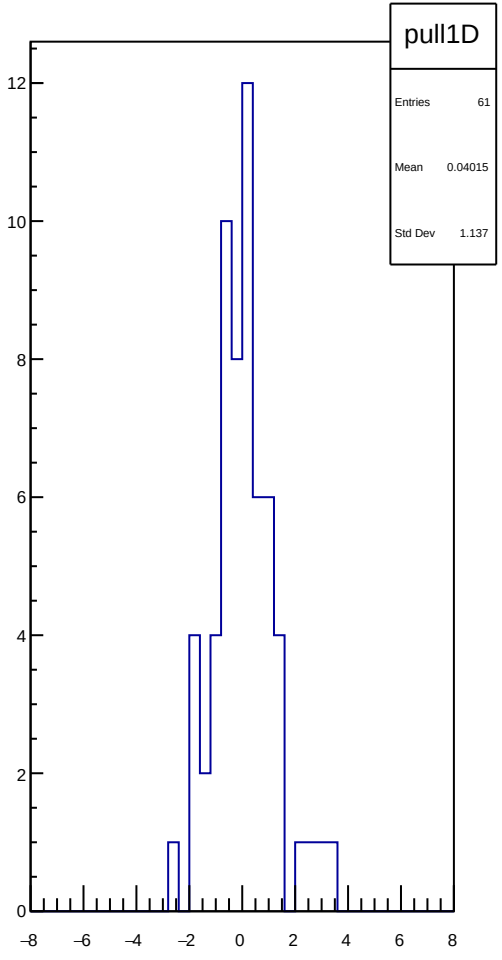

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 2.523e+04 / 60
p0 88.32 ± 0.08174
160
150
140
130
120
110
100
90
80
70

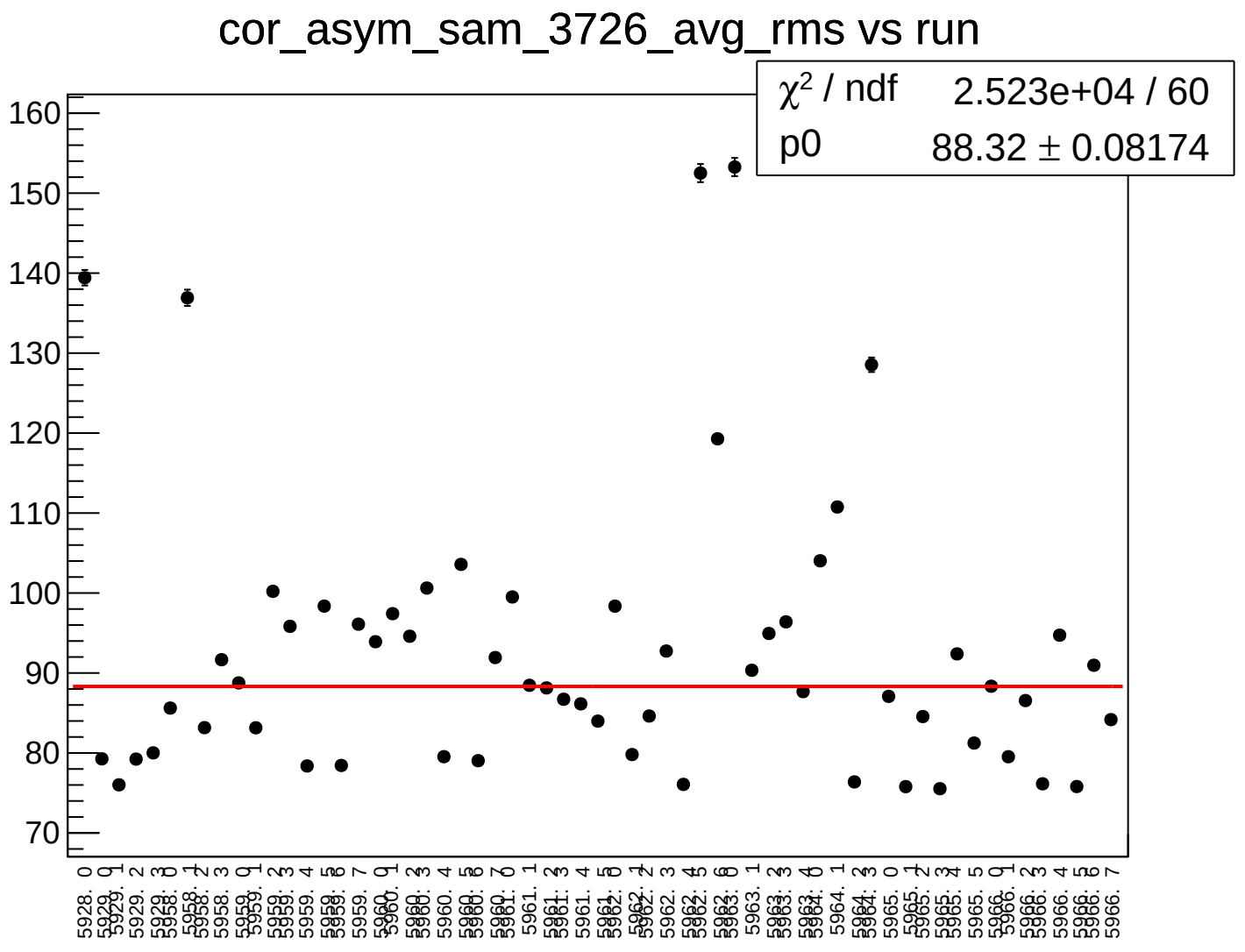

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 72.95 / 60
p0 −2113 ± 2004
pull
Entries 61
Mean 87.41
Std Dev 0

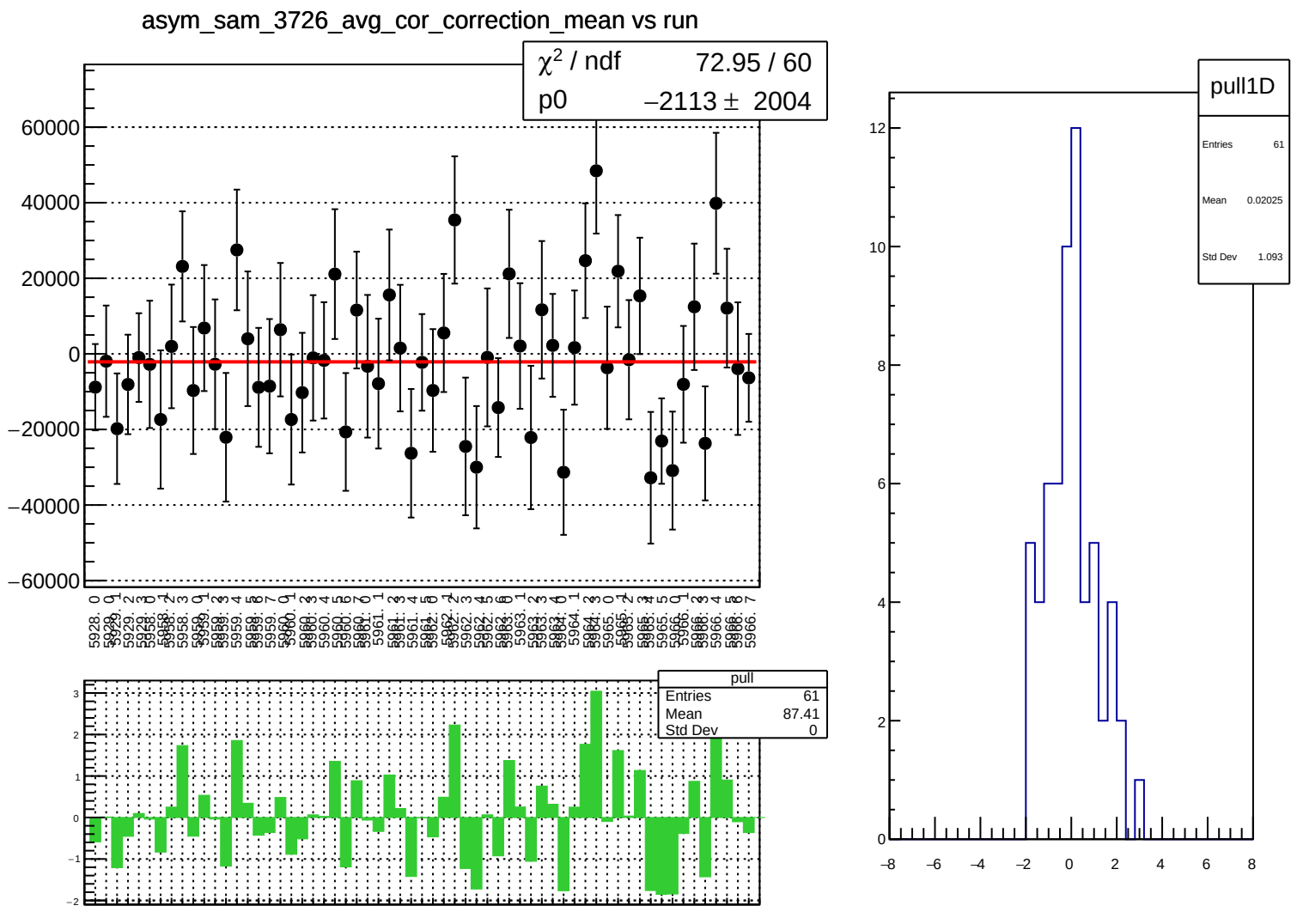

pull1D
Entries 61
Mean 0.02025
Std Dev 1.093

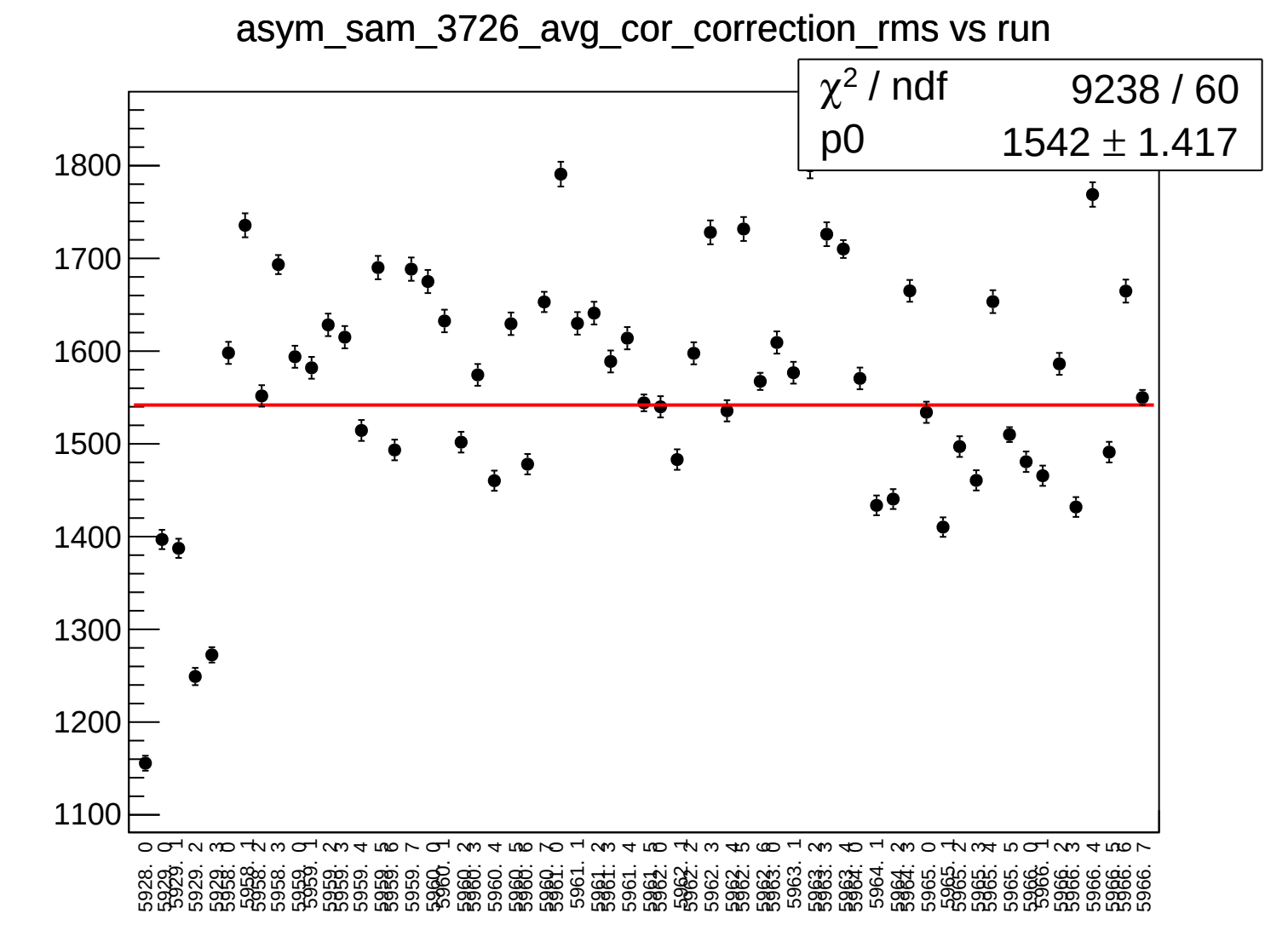

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 9238 / 60
p0 1542 ± 1.417
1800
1700
1600
1500
1400
1300
1200
1100

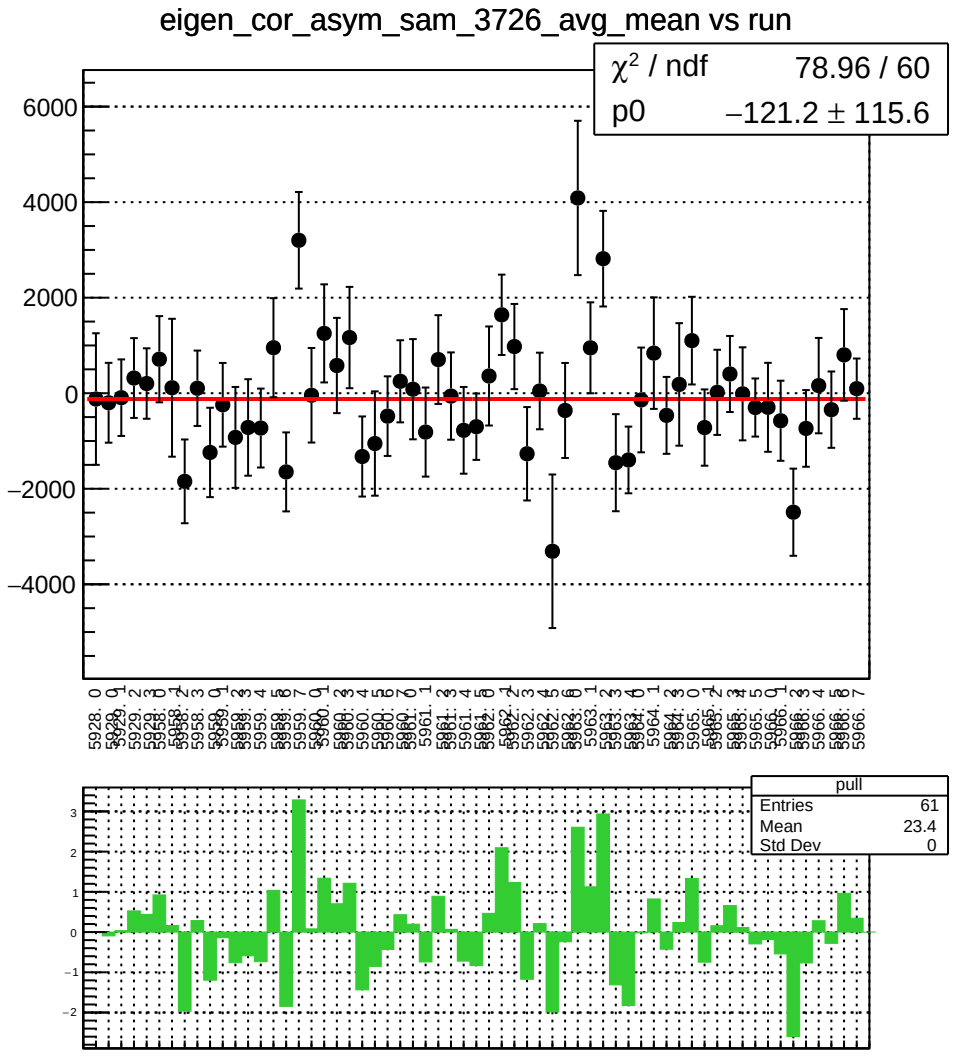

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 78.96 / 60
p0 −121.2 ± 115.6
pull
Entries 61
Mean 23.4
Std Dev 0

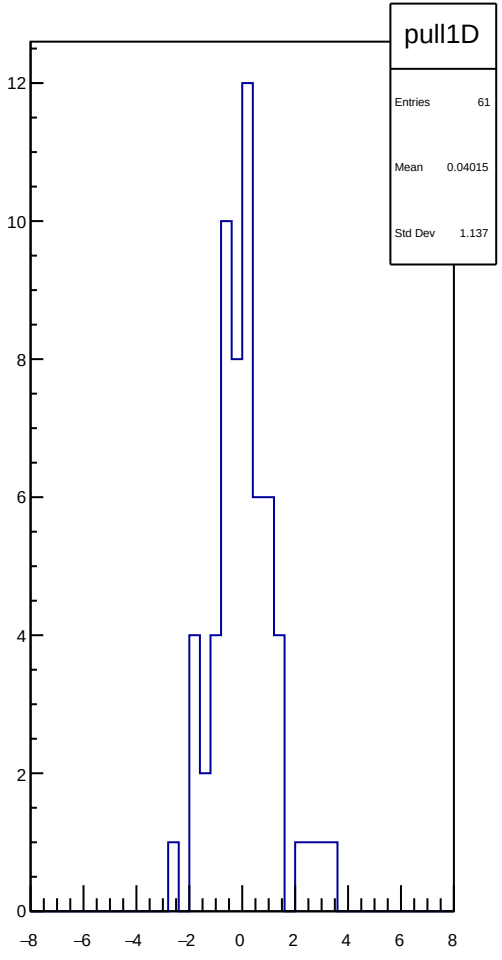

pull1D
Entries 61
Mean 0.04015
Std Dev 1.137

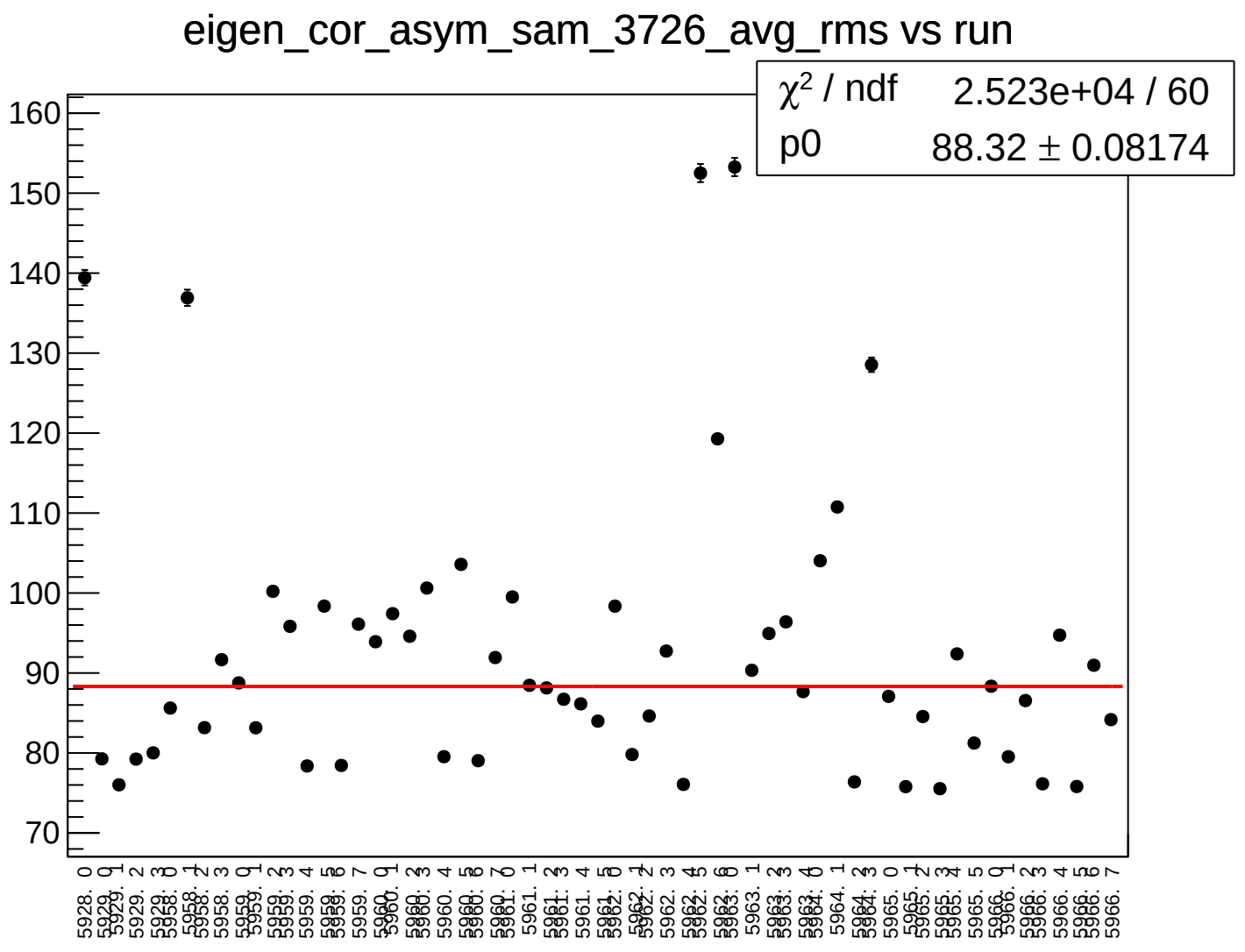

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.523e+04 / 60
p0 88.32 ± 0.08174
160
150
140
130
120
110
100
90
80
70

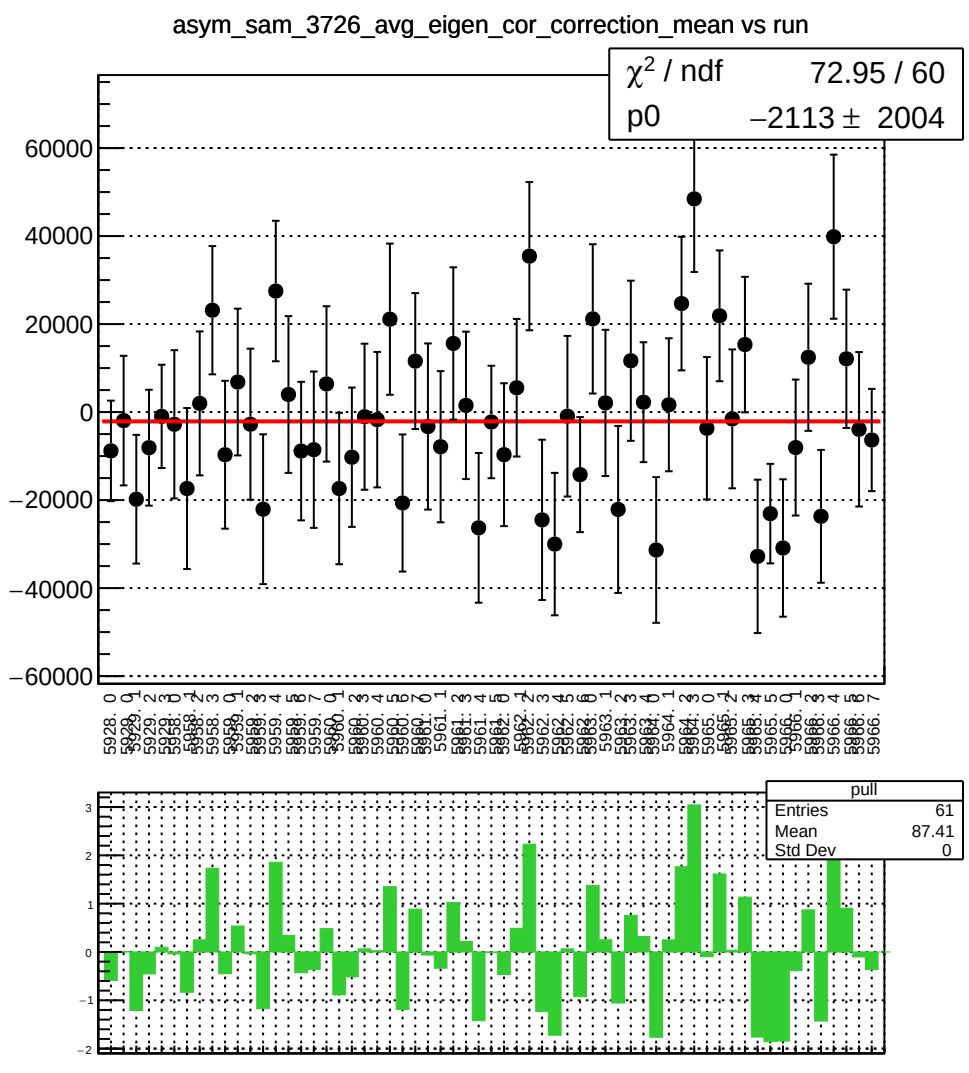

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 72.95 / 60
p0 −2113 ± 2004
pull
Entries 61
Mean 87.41
Std Dev 0
pull1D
Entries 61
Mean 0.02025
Std Dev 1.093

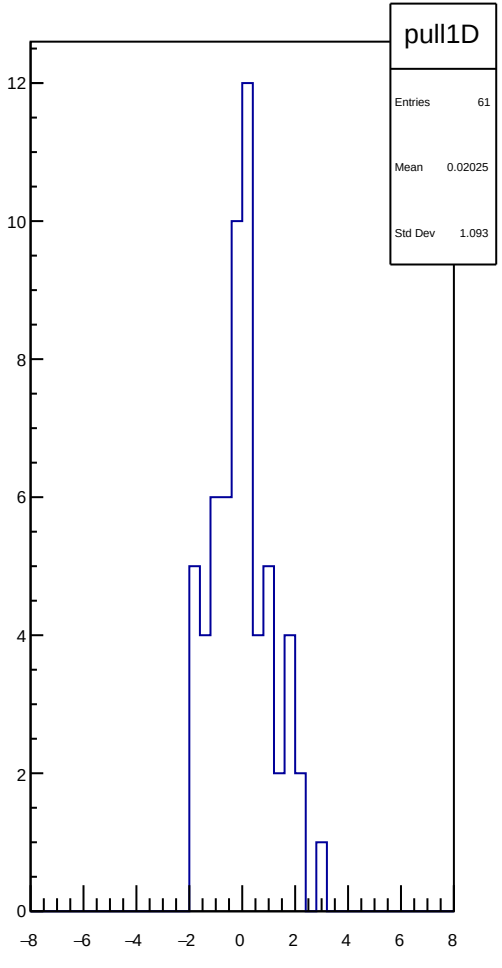

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 9238 / 60
p0 1542 ± 1.417
1800
1700
1600
1500
1400
1300
1200
1100

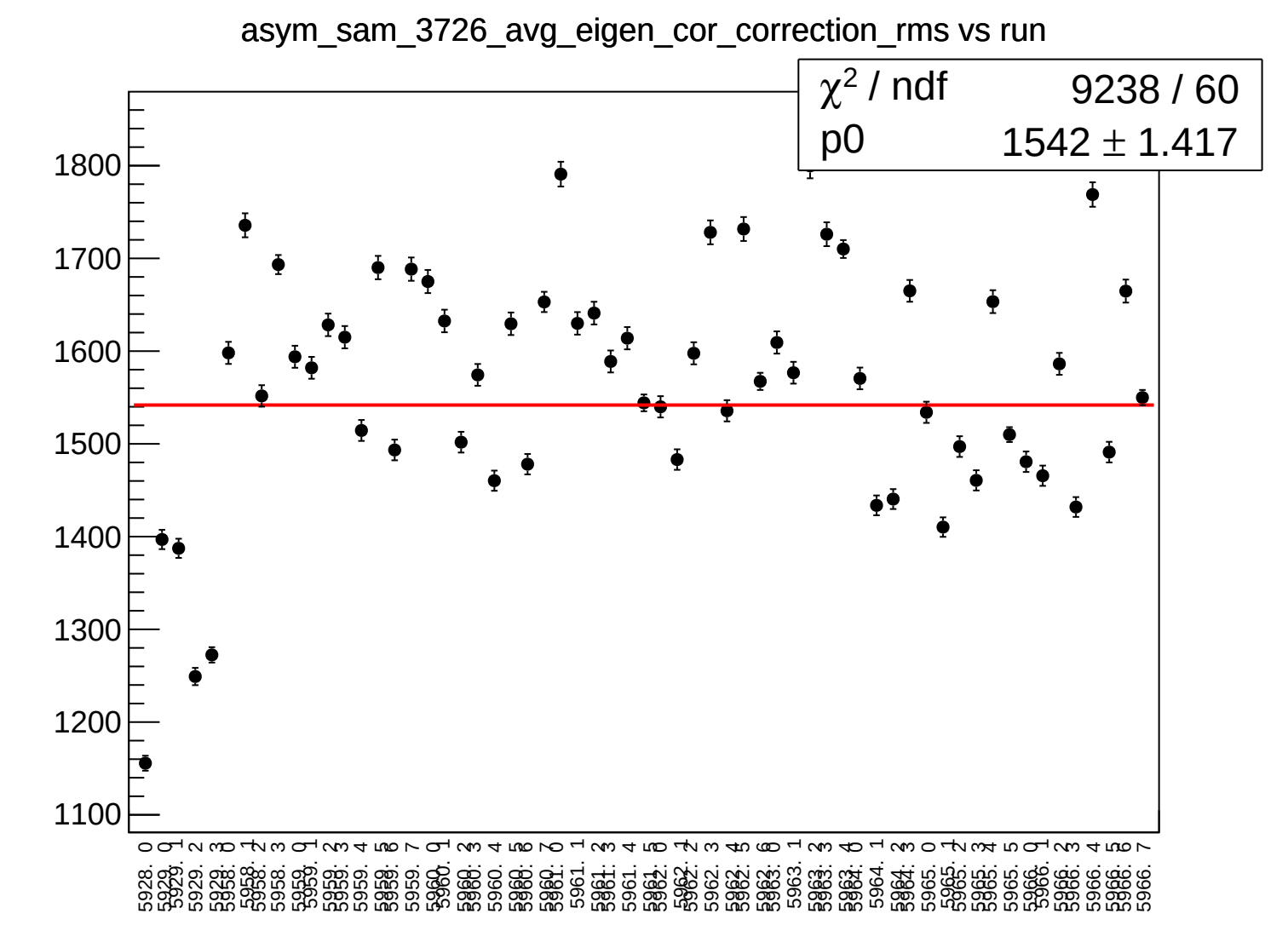

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 78.96 / 60
p0 −121.2 ± 115.6
pull
Entries 61
Mean 23.4
Std Dev 0

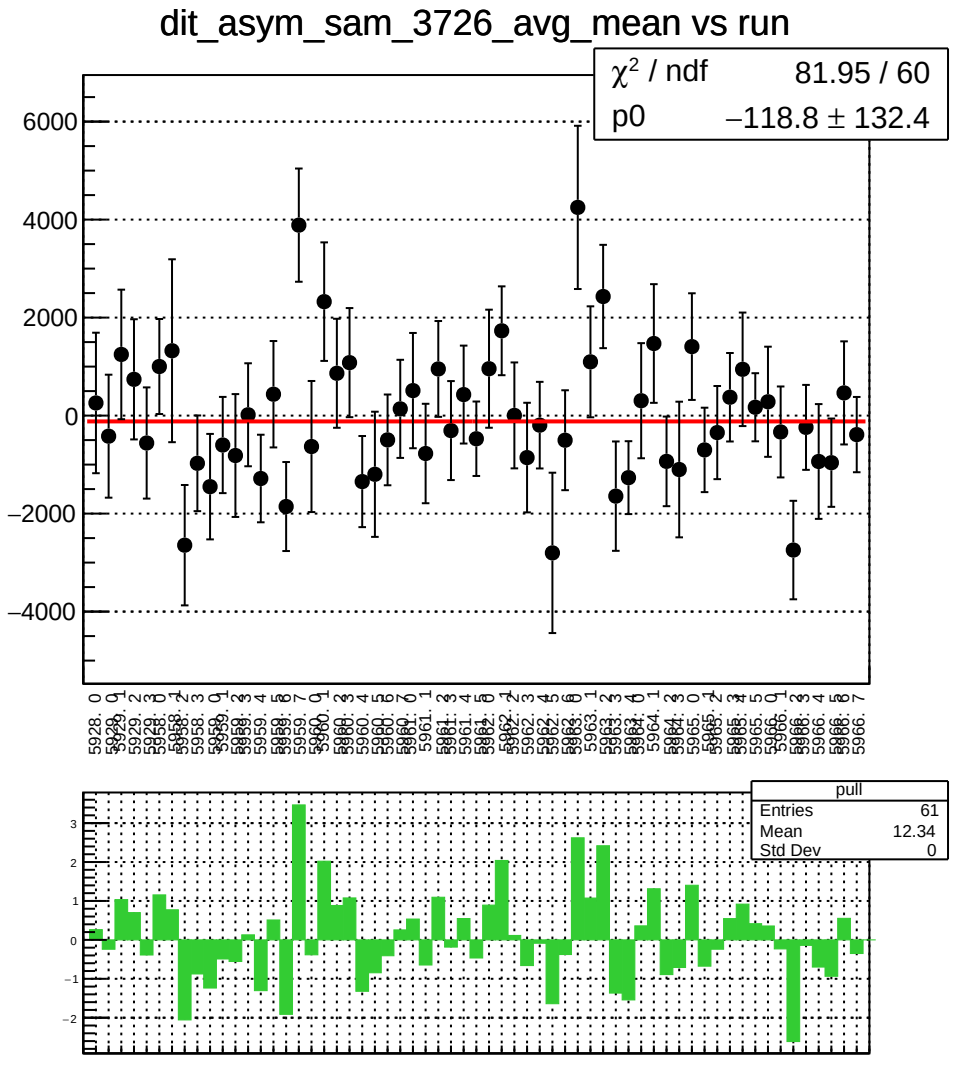

pull1D
Entries 61
Mean 0.04015
Std Dev 1.137

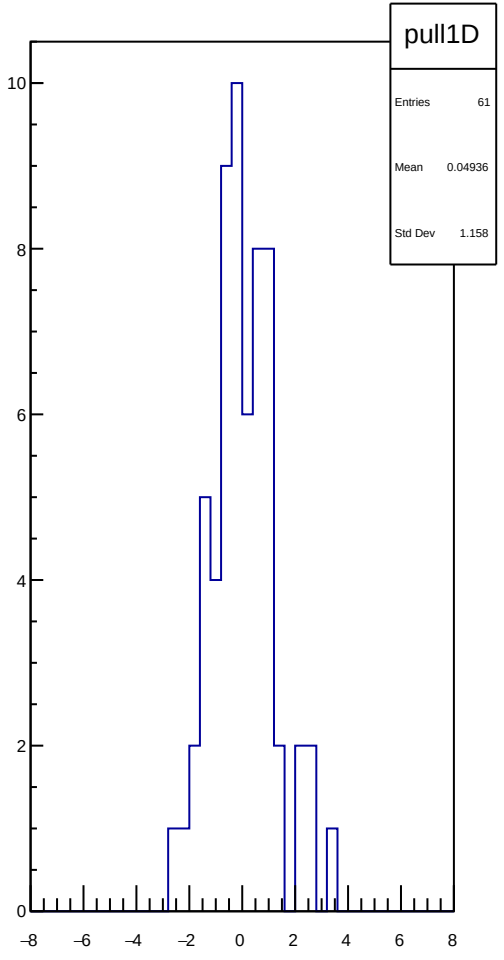

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 2.523e+04 / 60
p0 88.32 ± 0.08174
160
150
140
130
120
110
100
90
80
70

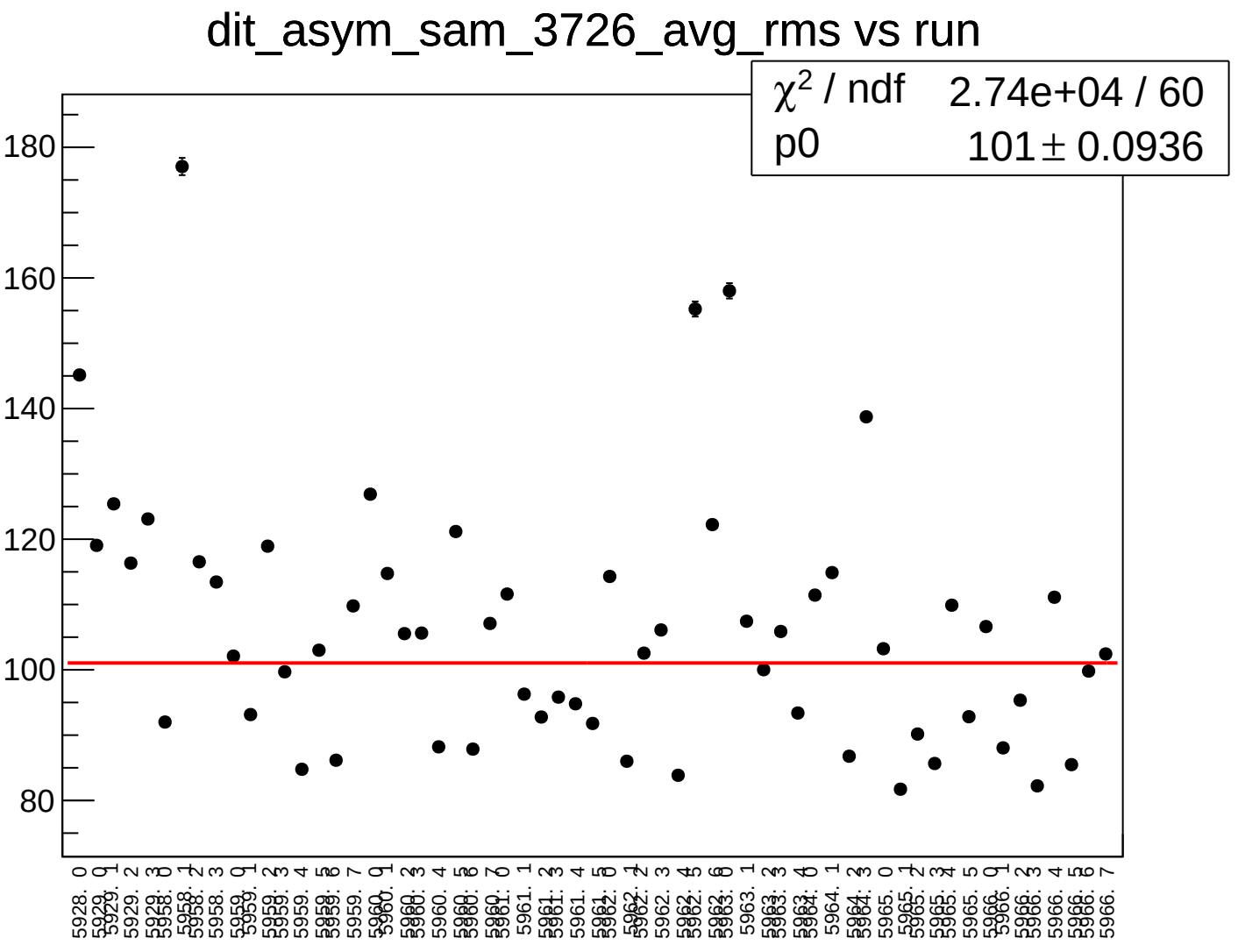

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.95 / 60
p0 −2113 ± 2004
pull
Entries 61
Mean 87.41
Std Dev 0

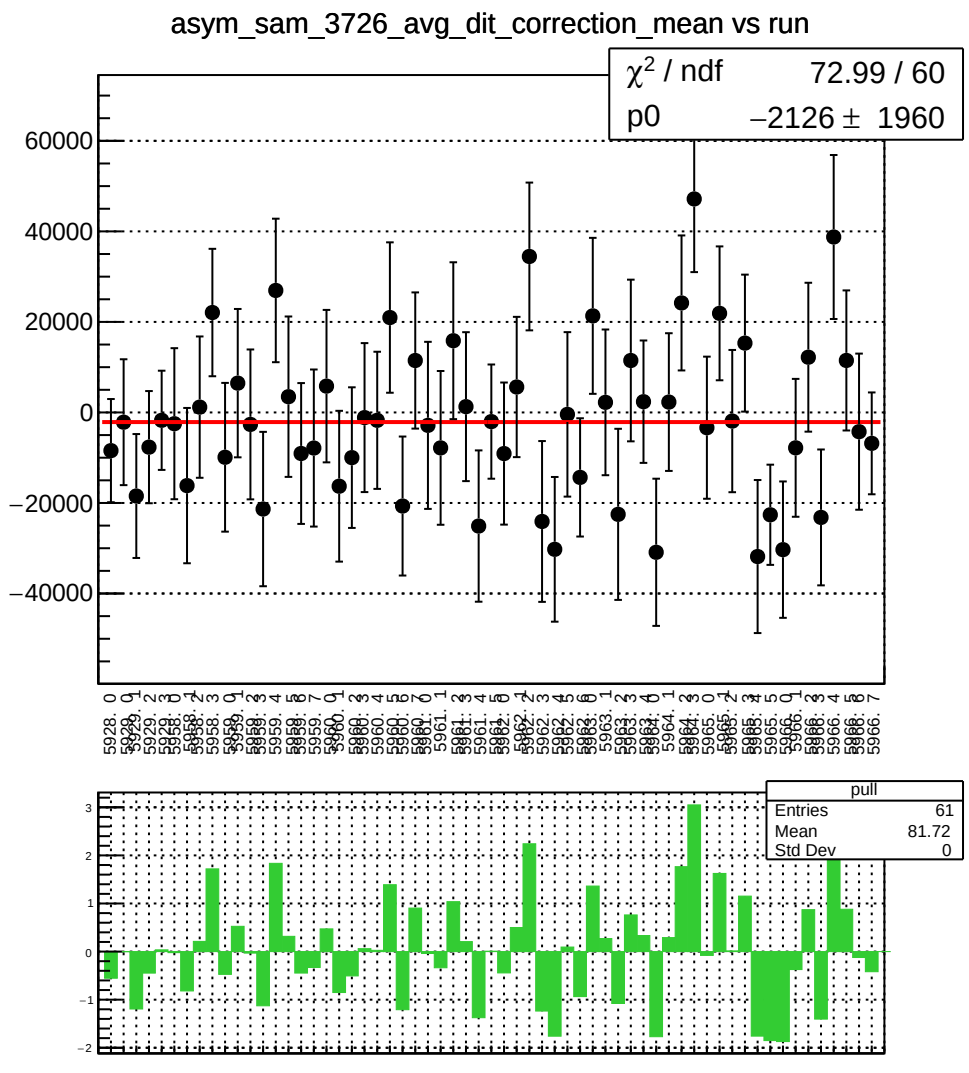

pull1D
Entries 61
Mean 0.02025
Std Dev 1.093

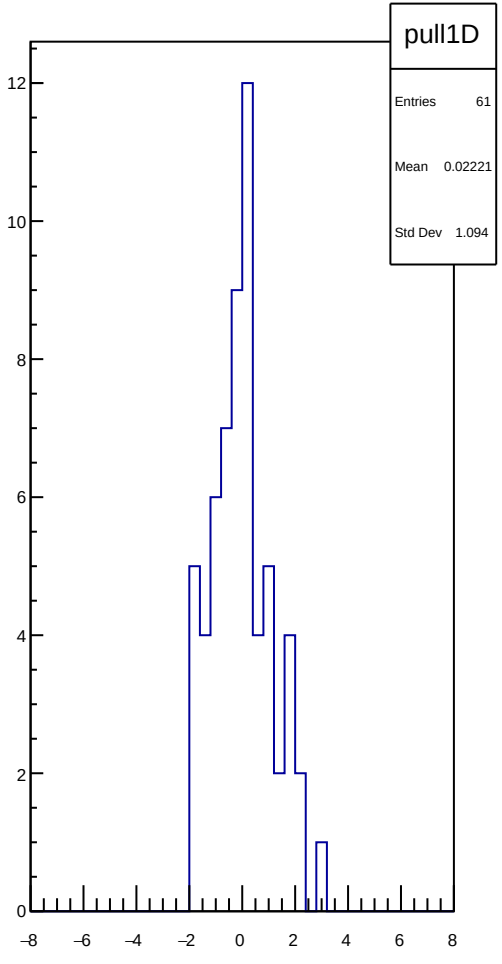

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 9238 / 60
p0 1542 ± 1.417
1800
1700
1600
1500
1400
1300
1200
1100

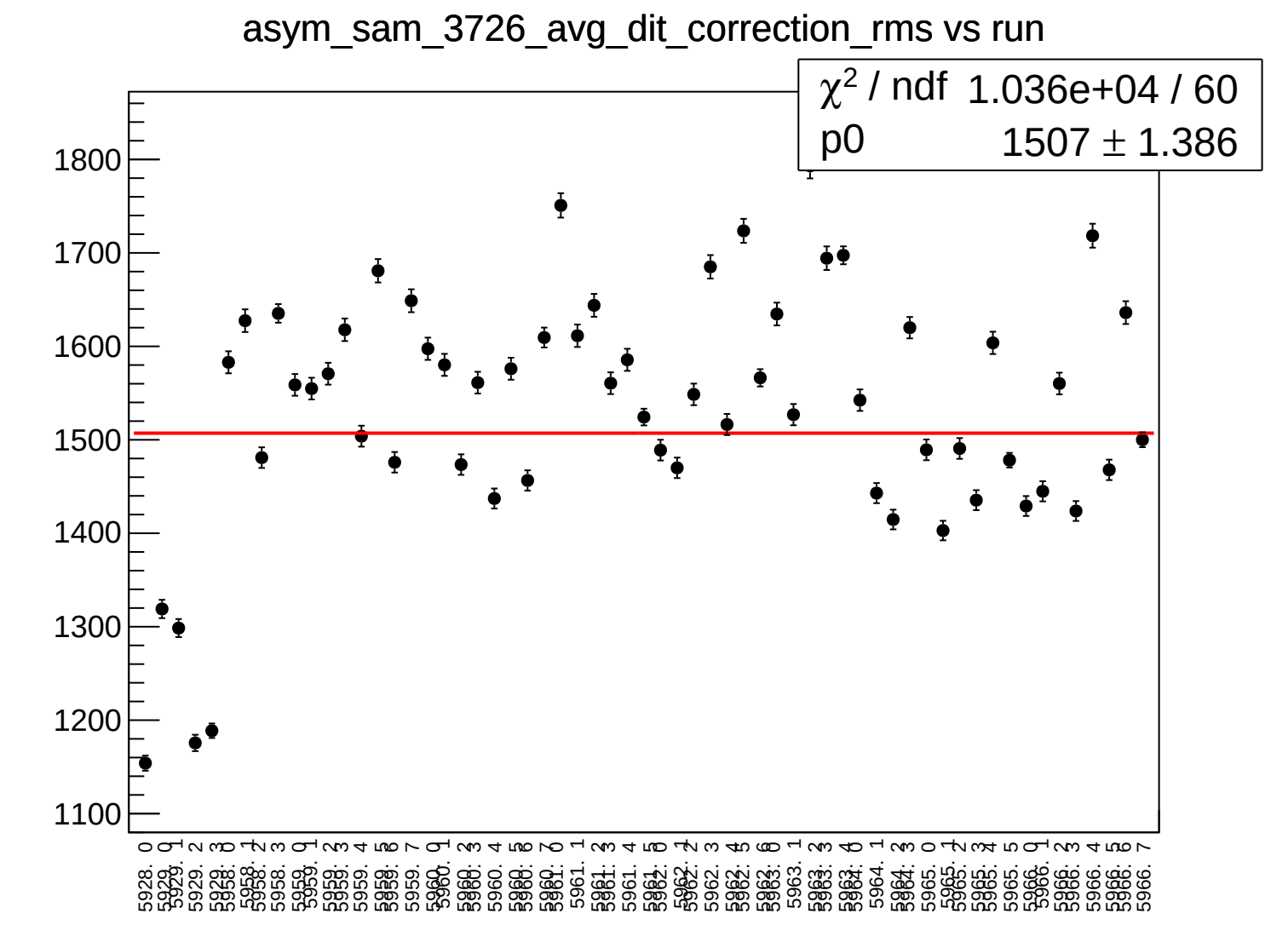

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 81.95 / 60
p0 −118.8 ± 132.4
pull
Entries 61
Mean 12.34
Std Dev 0

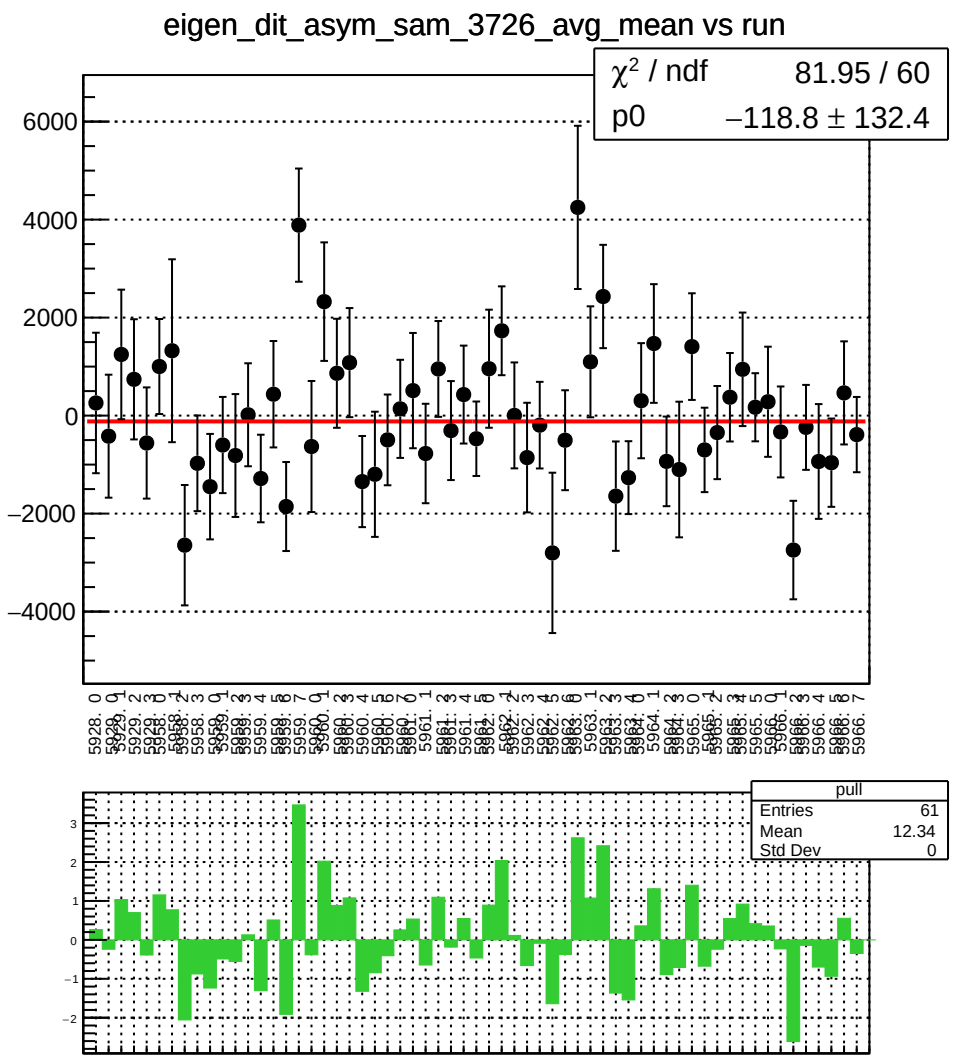

pull1D
Entries 61
Mean 0.04936
Std Dev 1.158

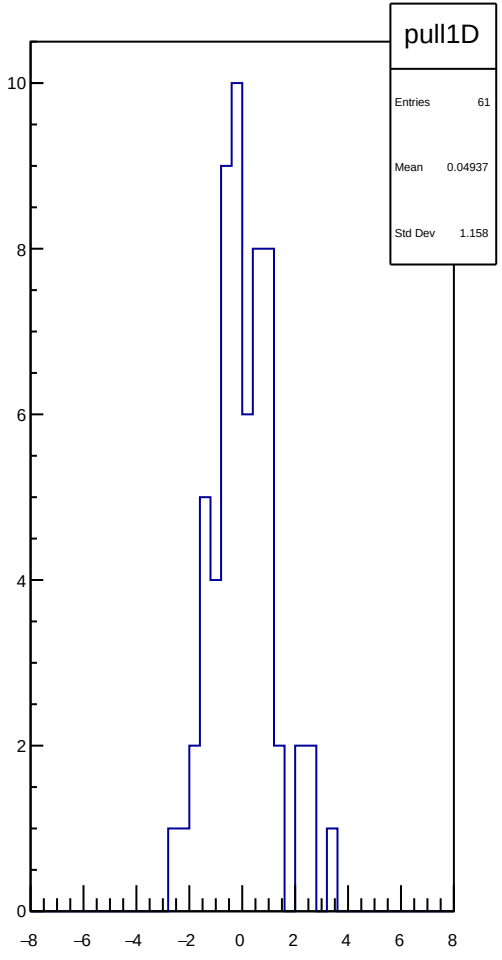

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.74e+04 / 60
p0 101 ± 0.0936
180
160
140
120
100
80

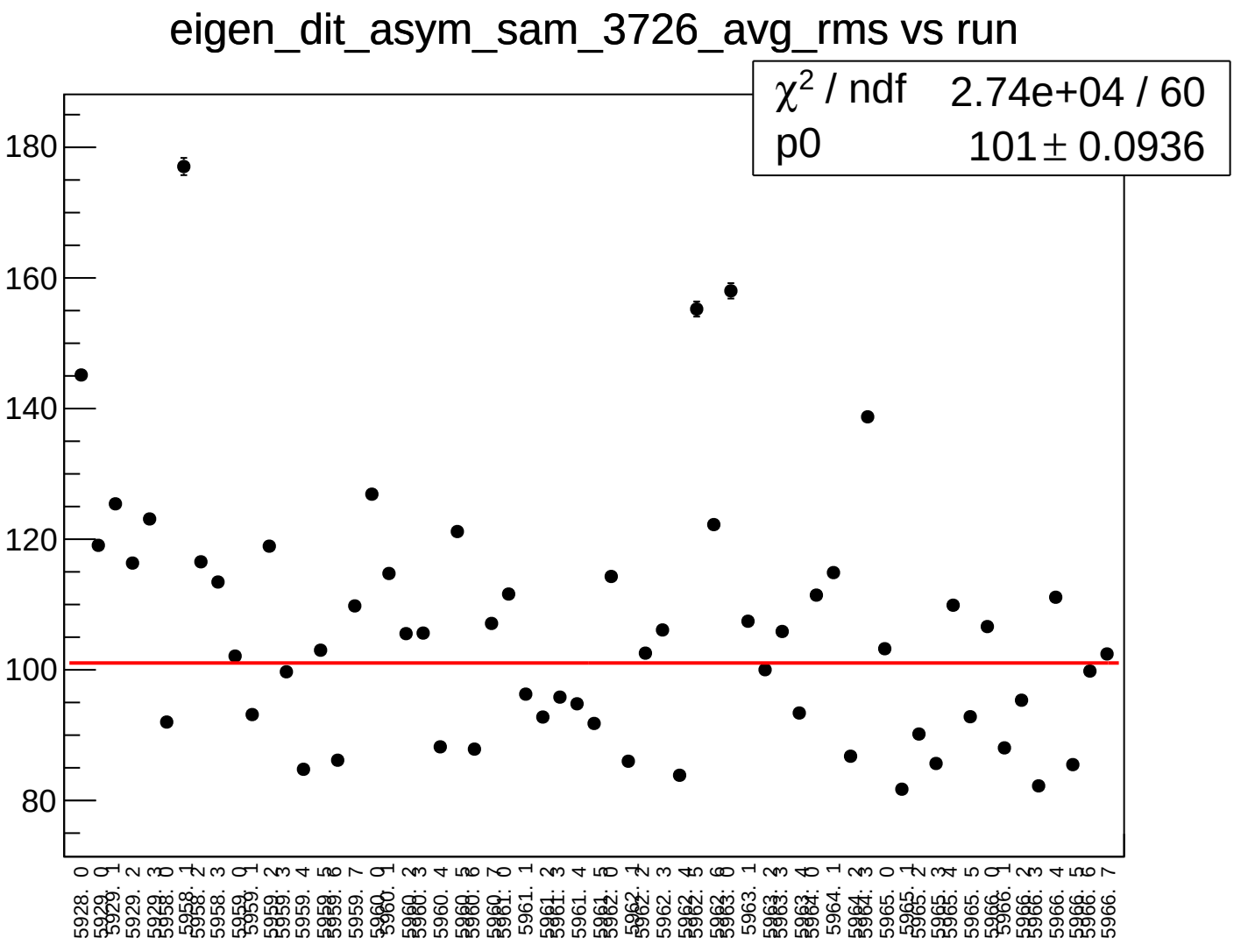

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 72.99 / 60
p0 −2126 ± 1960
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 81.72
Std Dev 0
3
2
1
0
−1
−2

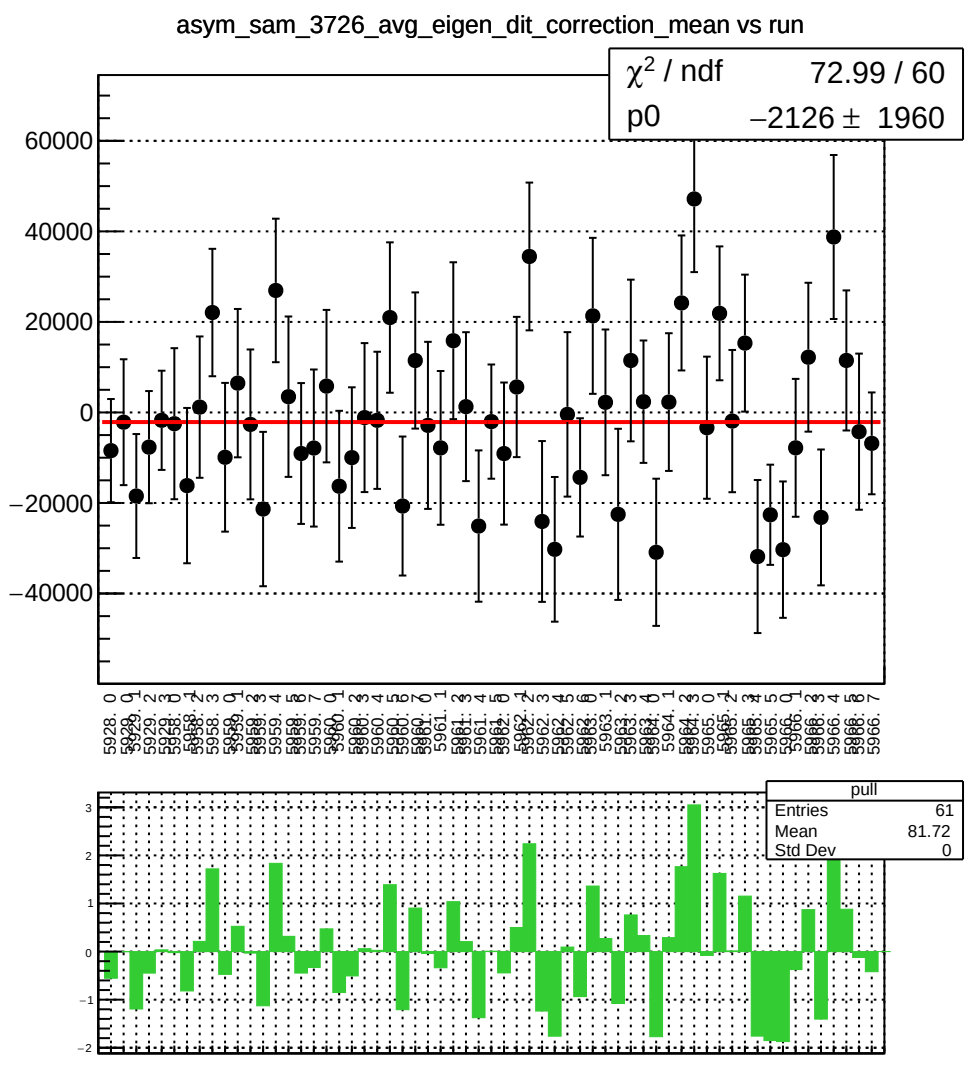

pull1D
Entries 61
Mean 0.02221
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

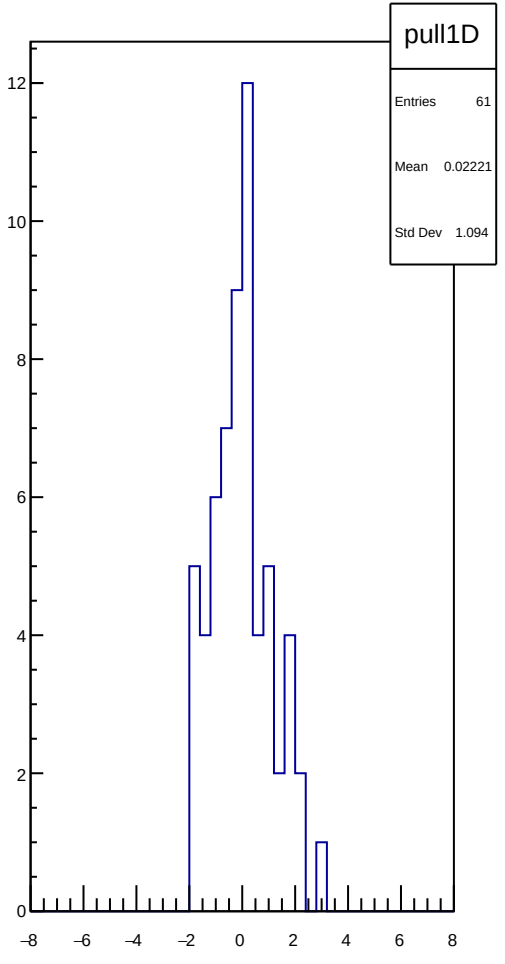

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 1.036e+04 / 60
p0 1507 ± 1.386
1800
1700
1600
1500
1400
1300
1200
1100

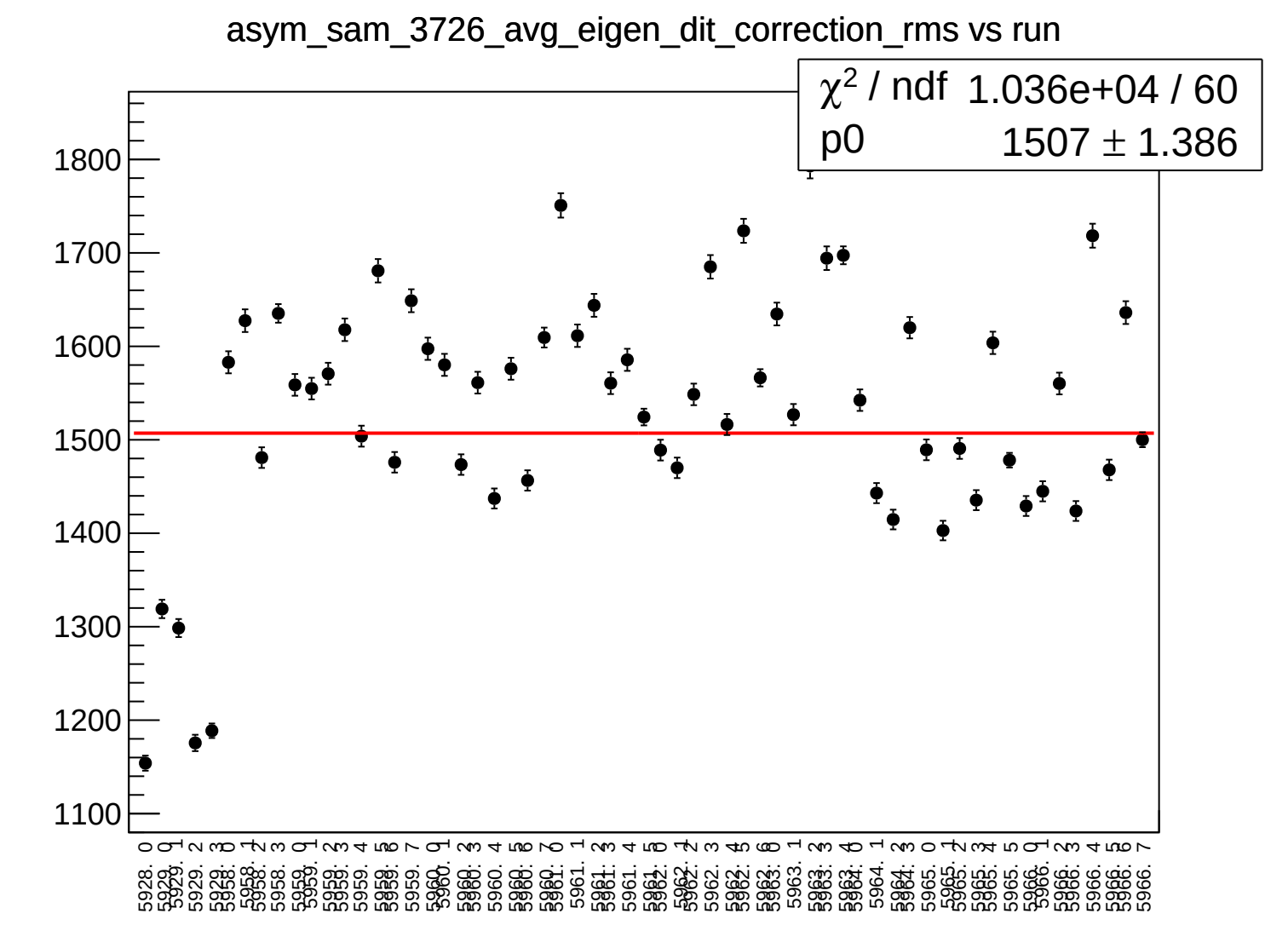

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 81.95 / 60
p0 −118.8 ± 132.4
pull
Entries 61
Mean 12.34
Std Dev 0

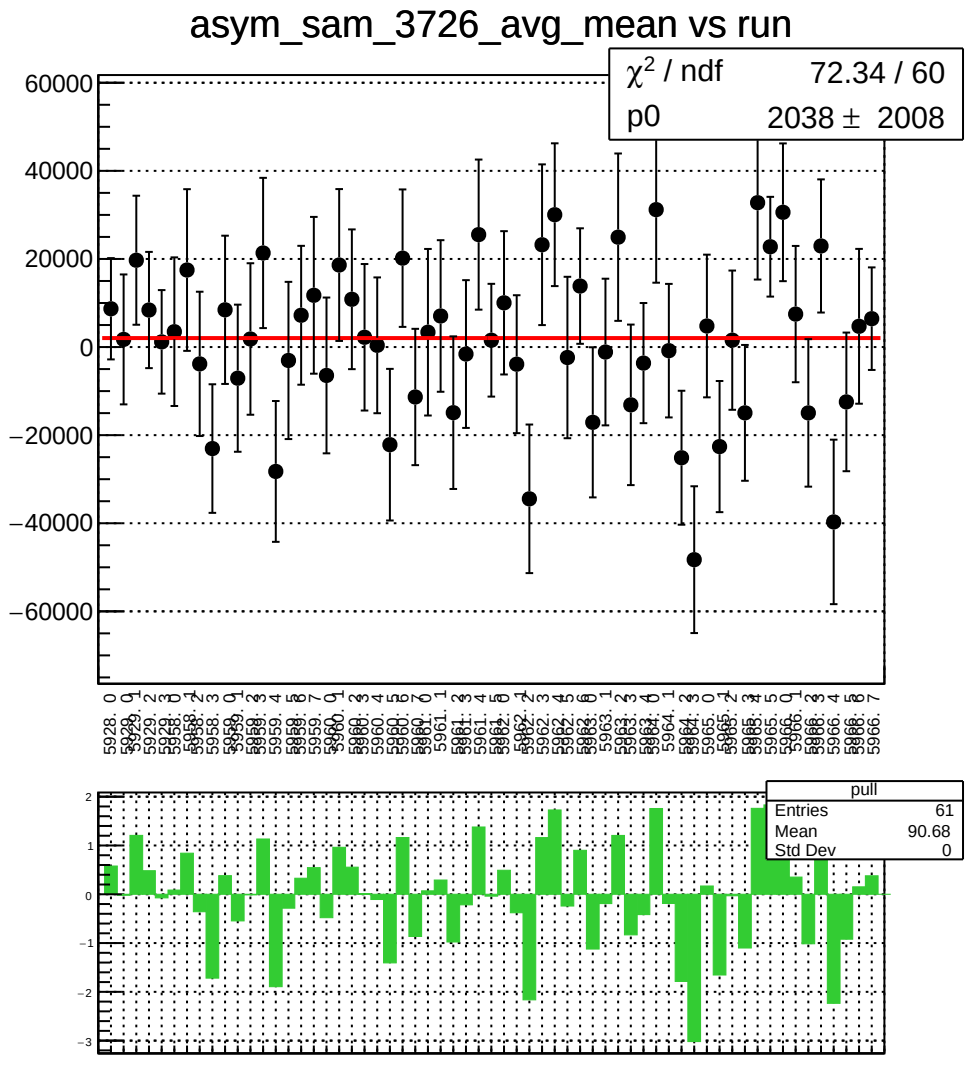

pull1D
Entries 61
Mean 0.04937
Std Dev 1.158

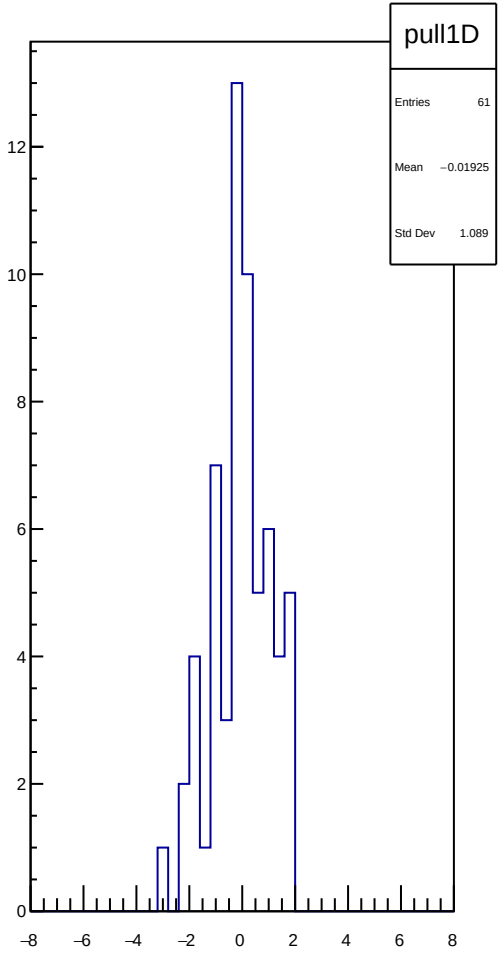

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.74e+04 / 60
p0 101 ± 0.0936
180
160
140
120
100
80

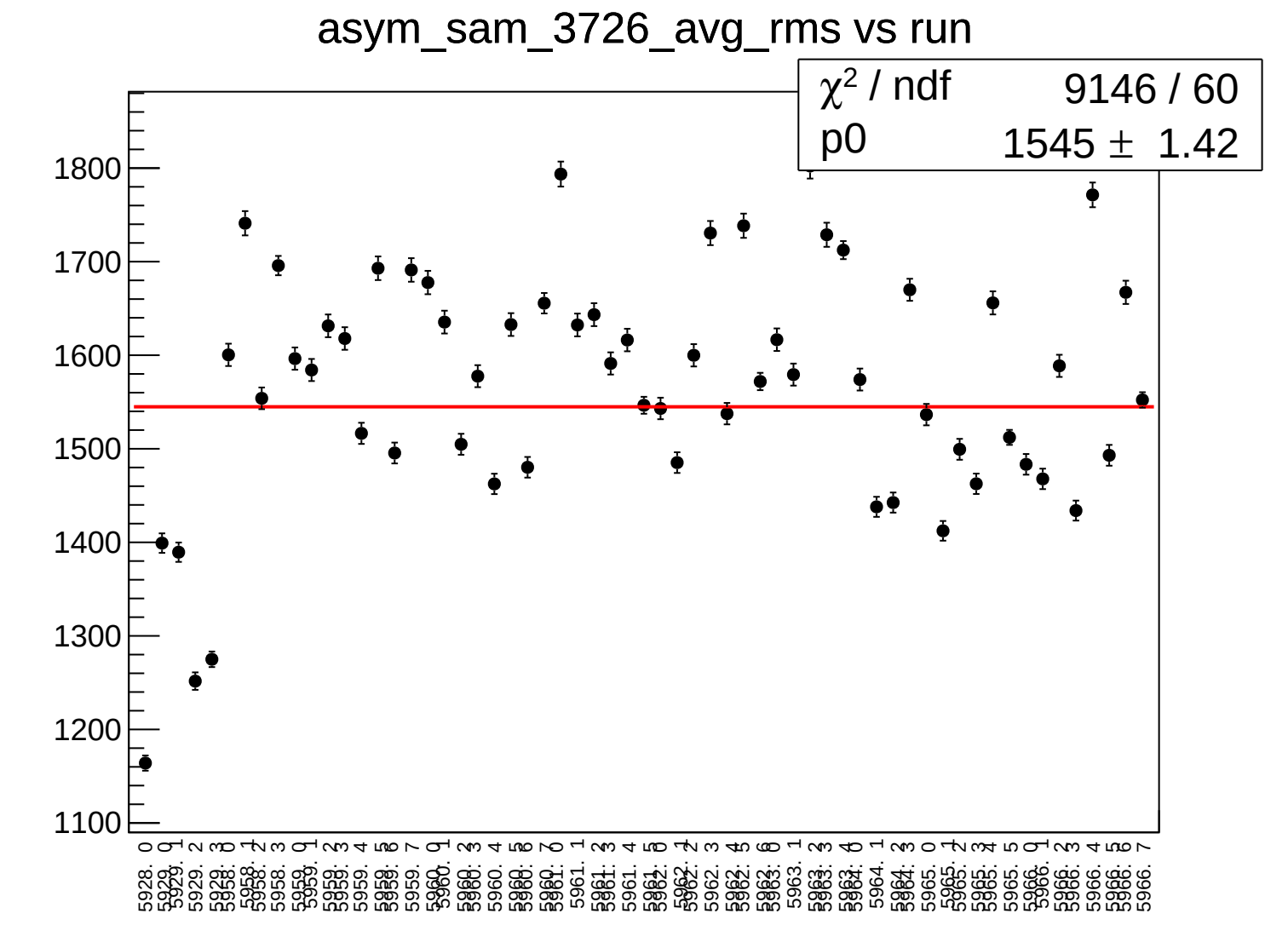

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.99 / 60
p0 −2126 ± 1960
pull
Entries 61
Mean 81.72
Std Dev 0

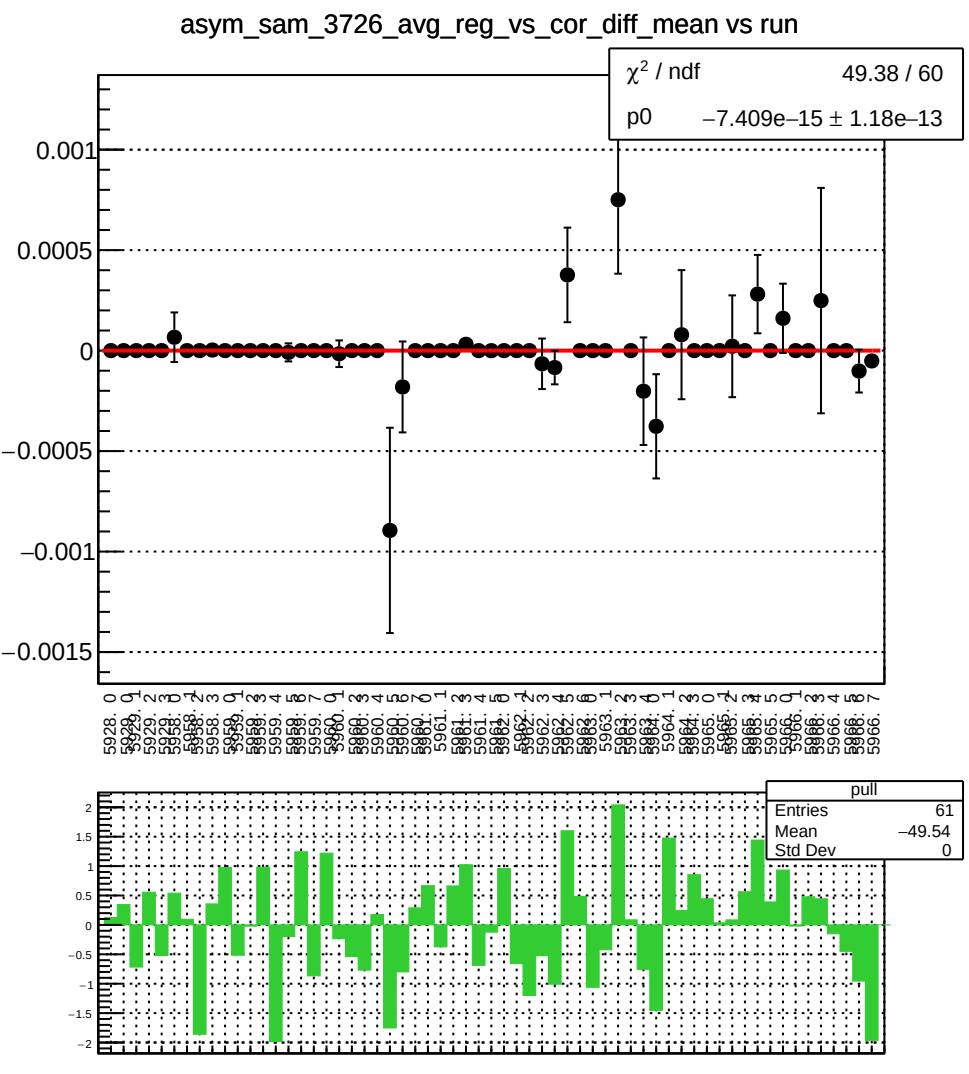

pull1D
Entries 61
Mean 0.02221
Std Dev 1.094

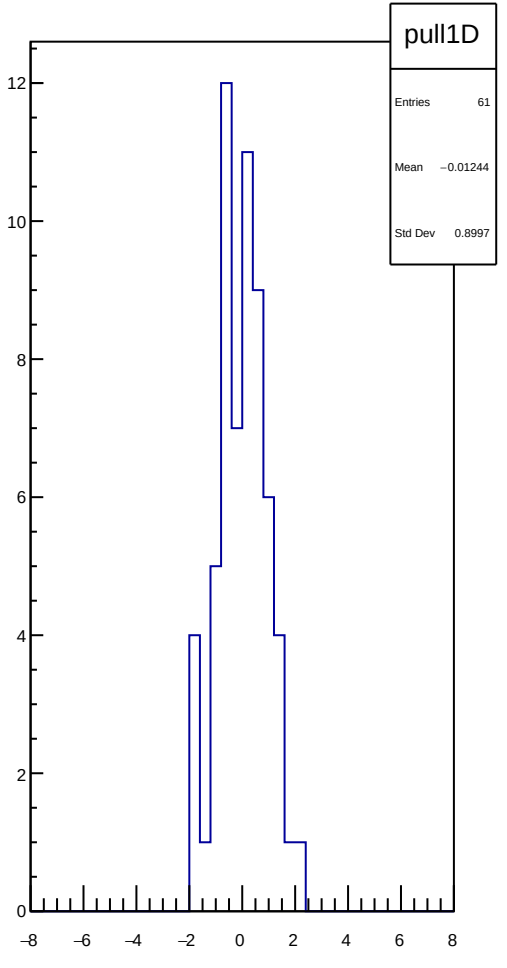

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.036e+04 / 60
p0 1507 ± 1.386
1800
1700
1600
1500
1400
1300
1200
1100

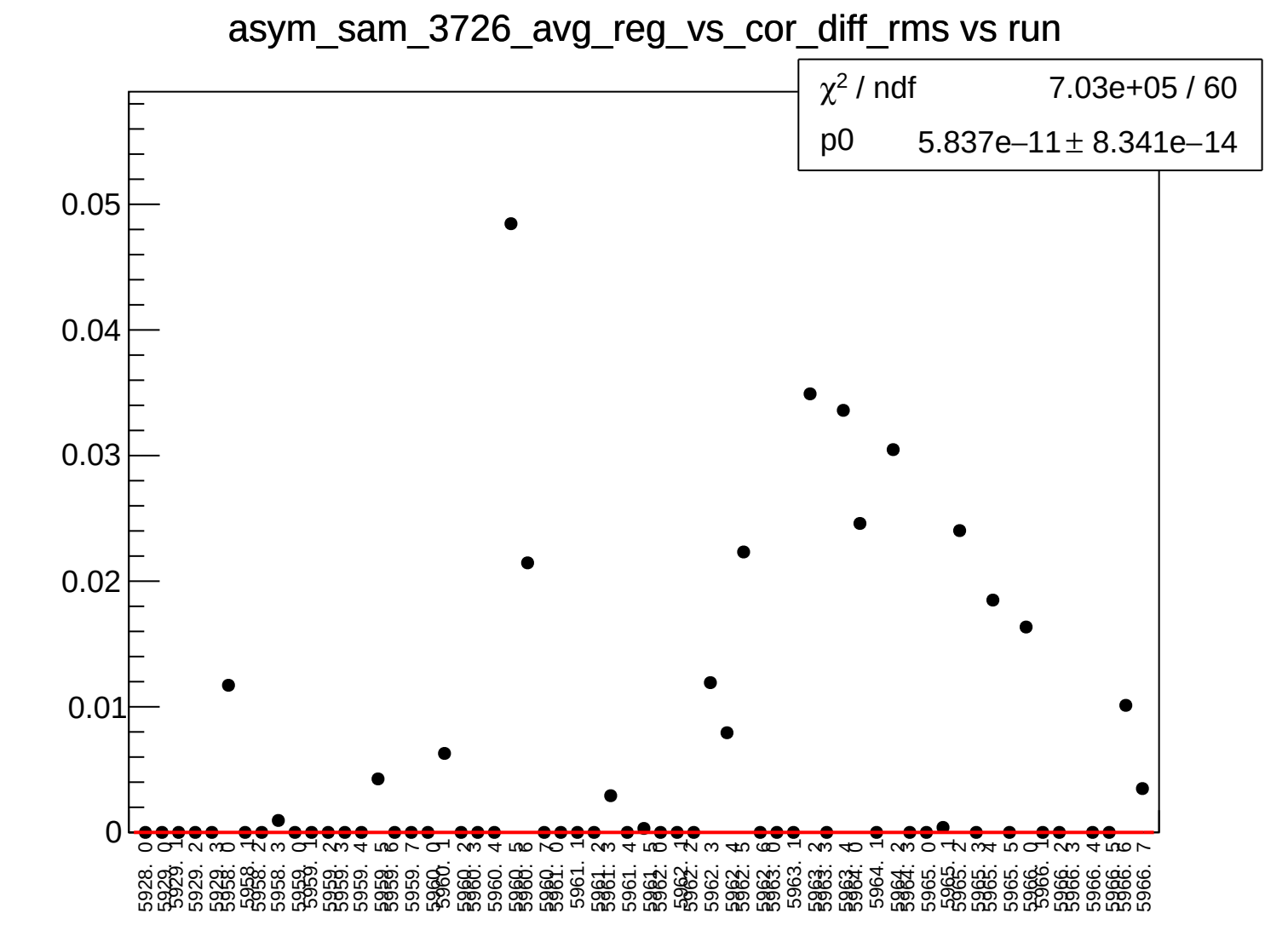

asym_sam_3726_avg_mean vs run
χ² / ndf 72.34 / 60
p0 2038 ± 2008
pull
Entries 61
Mean 90.68
Std Dev 0

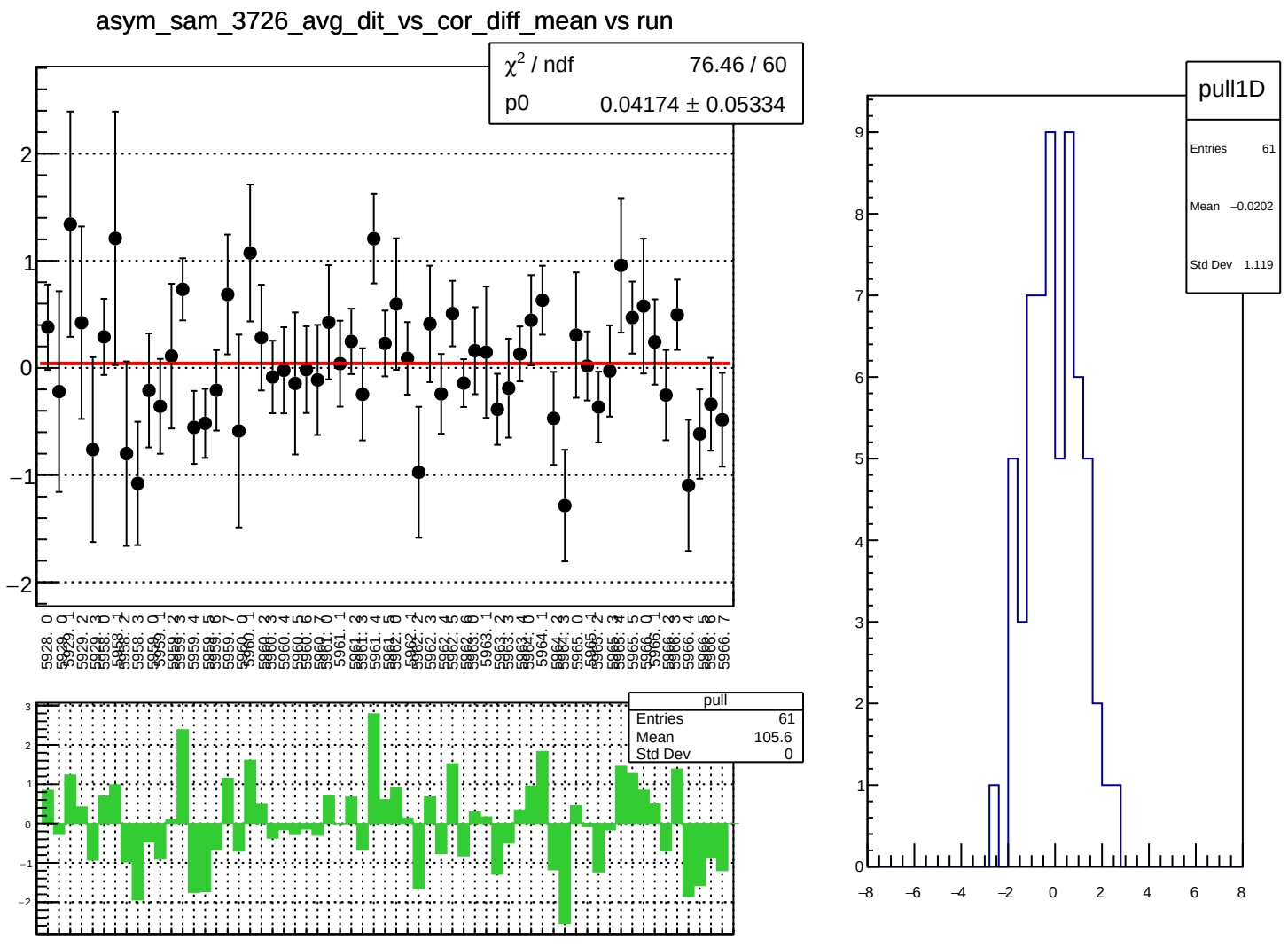

pull1D
Entries 61
Mean −0.01925
Std Dev 1.089

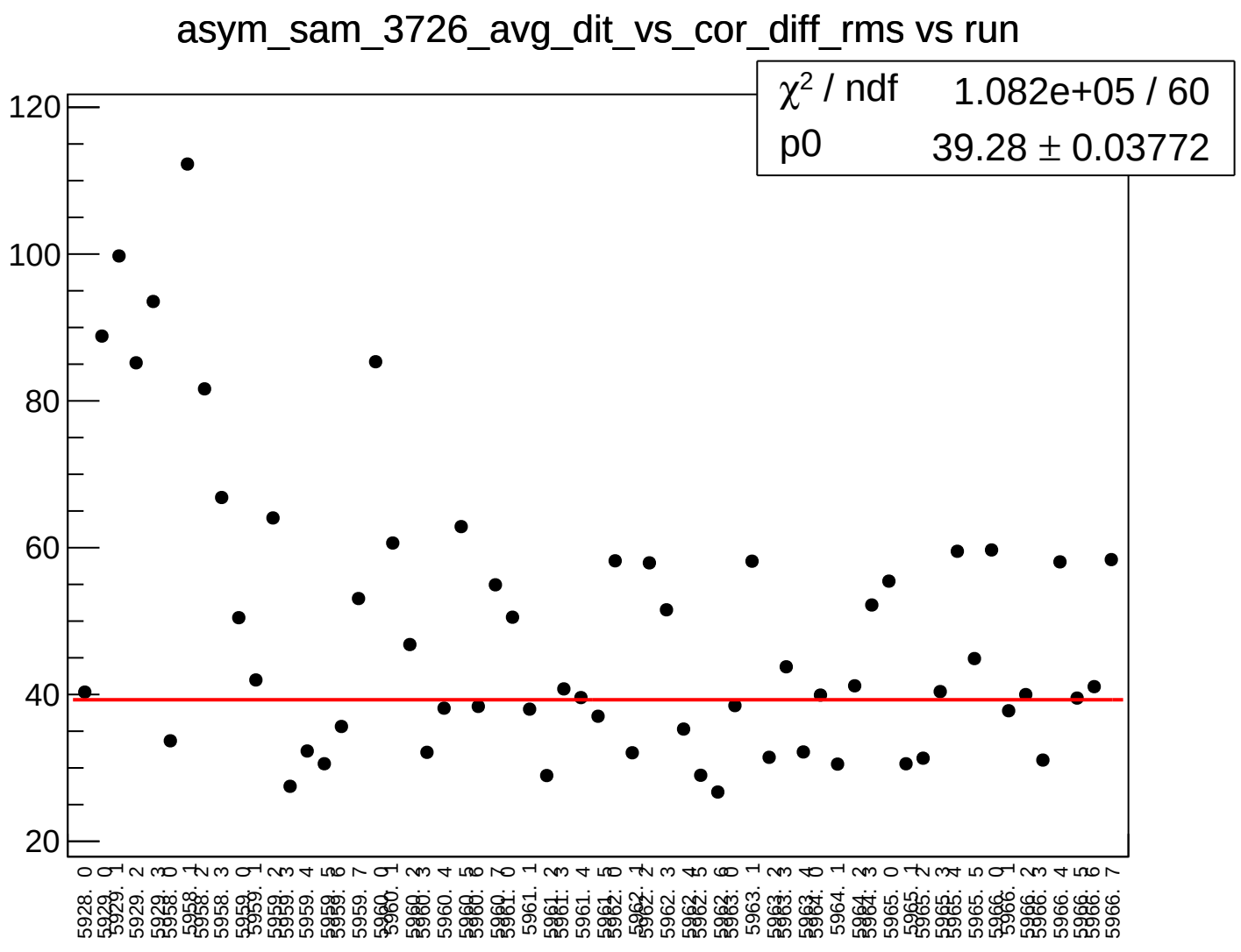

asym_sam_3726_avg_rms vs run
χ² / ndf 9146 / 60
p0 1545 ± 1.42
1800
1700
1600
1500
1400
1300
1200
1100

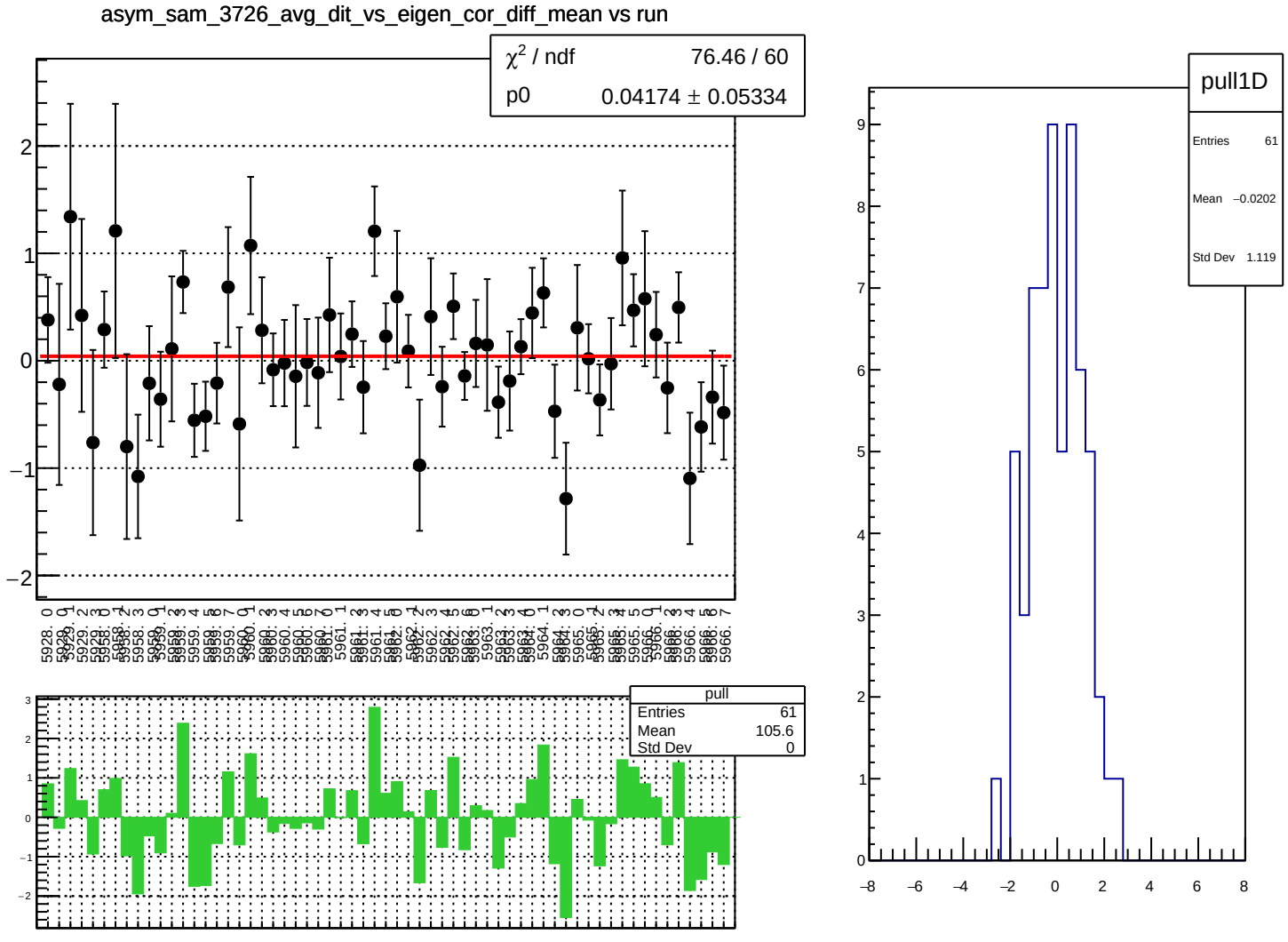

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 60
p0 −7.409e−15 ± 1.18e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 61
Mean −49.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

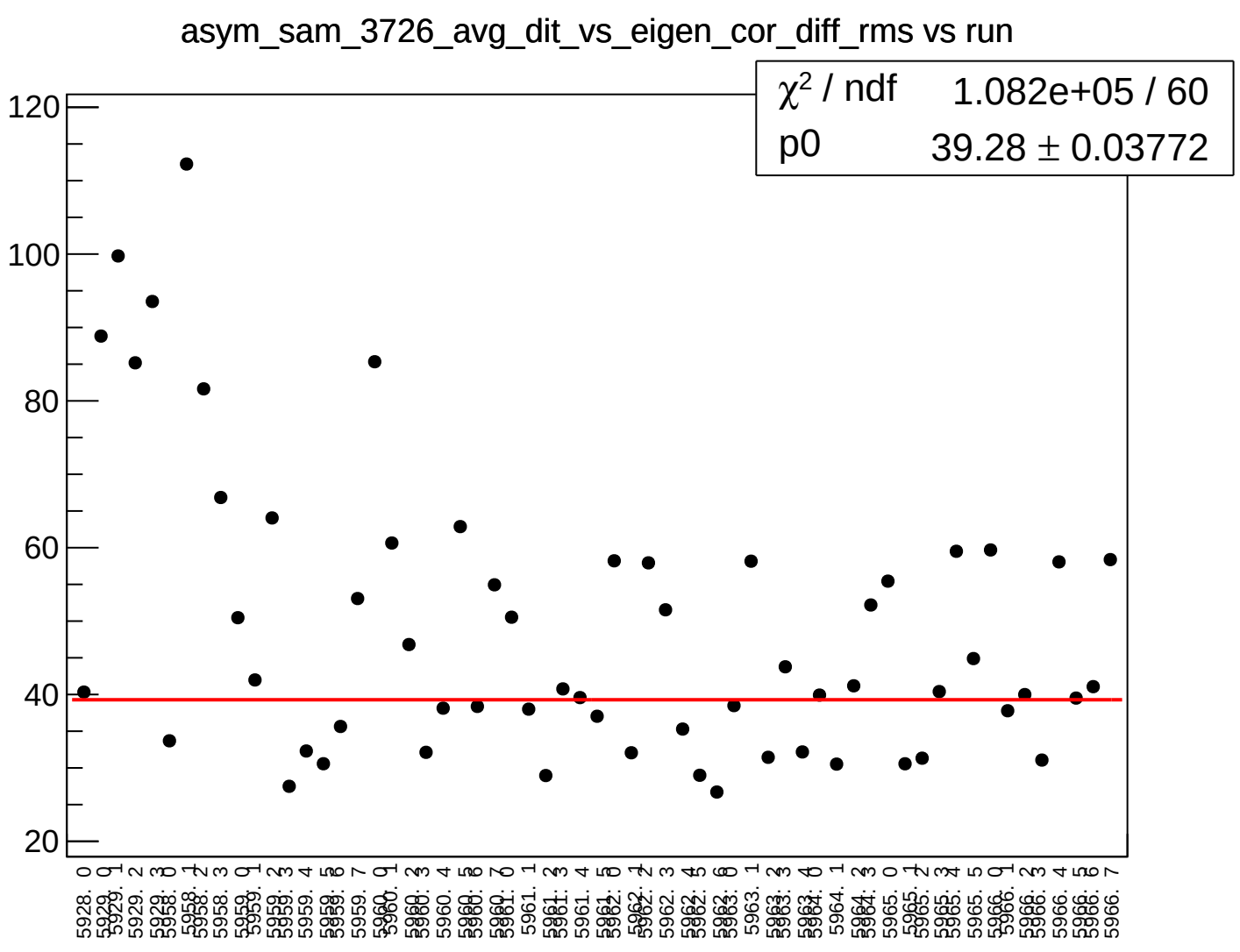

pull1D
Entries 61
Mean −0.01244
Std Dev 0.8997
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

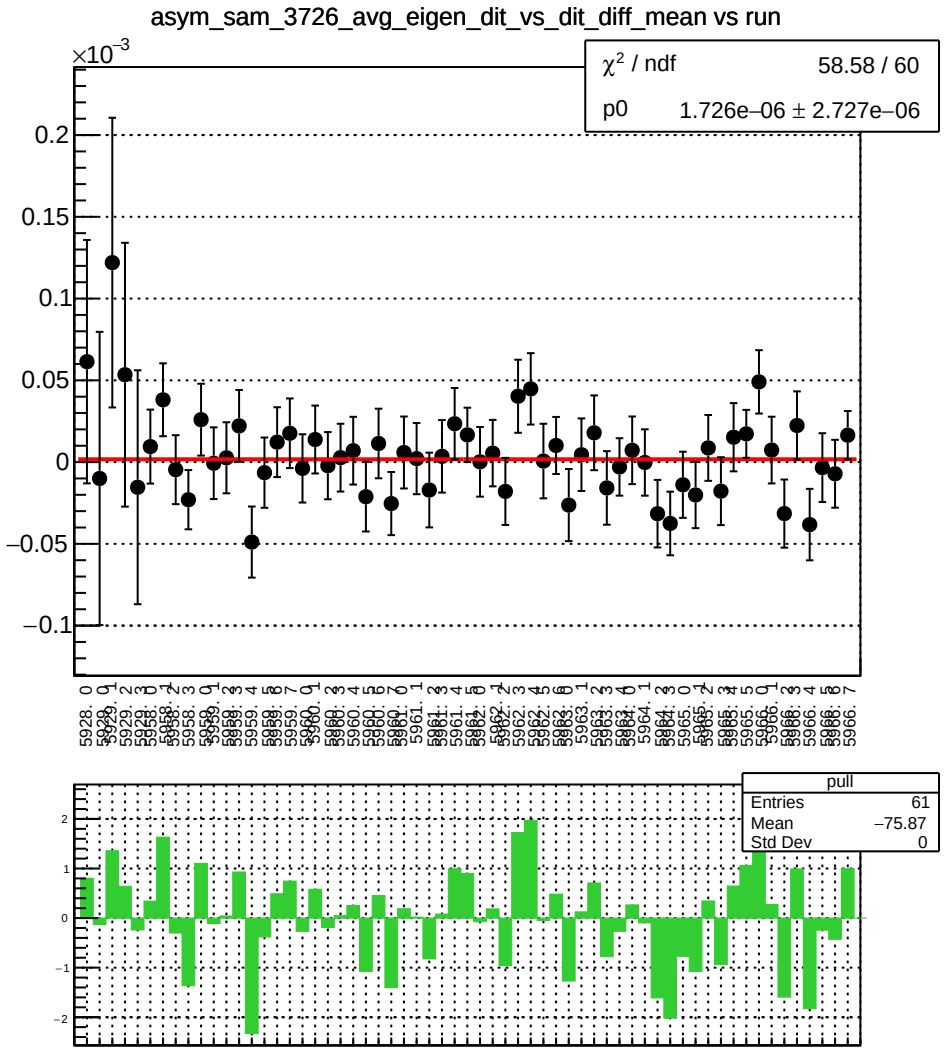

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.03e+05 / 60
p0 5.837e−11 ± 8.341e−14
0.05
0.04
0.03
0.02
0.01
0

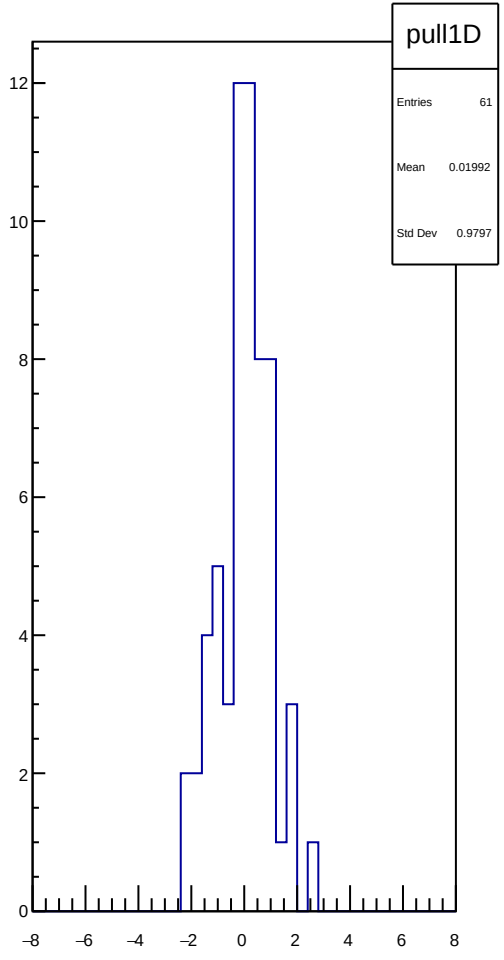

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.46 / 60
p0 0.04174 ± 0.05334
pull
Entries 61
Mean 105.6
Std Dev 0
pull1D
Entries 61
Mean −0.0202
Std Dev 1.119

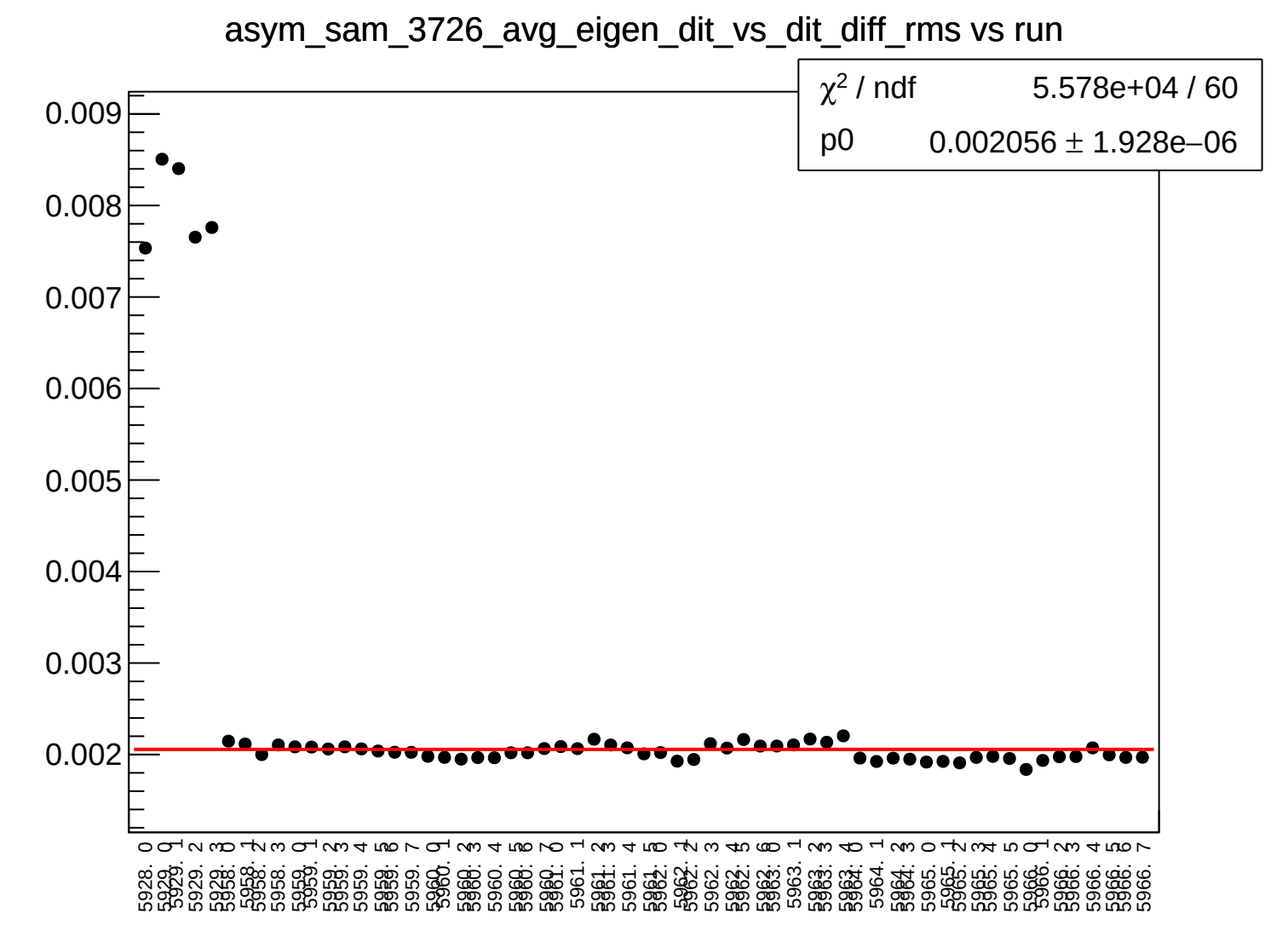

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 60
p0 39.28 ± 0.03772
120
100
80
60
40
20

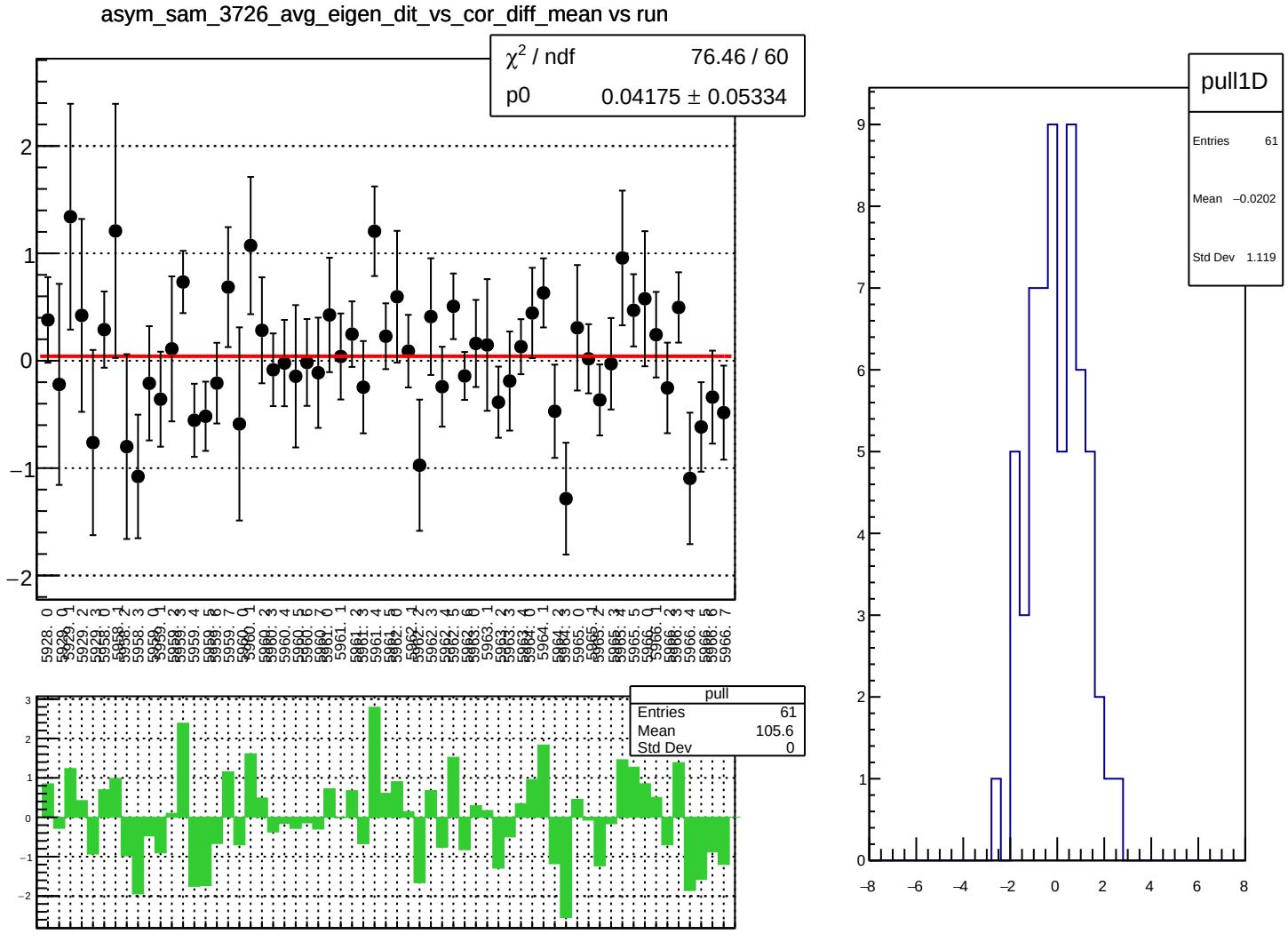

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.46 / 60
p0 0.04174 ± 0.05334
pull
Entries 61
Mean 105.6
Std Dev 0
pull1D
Entries 61
Mean −0.0202
Std Dev 1.119

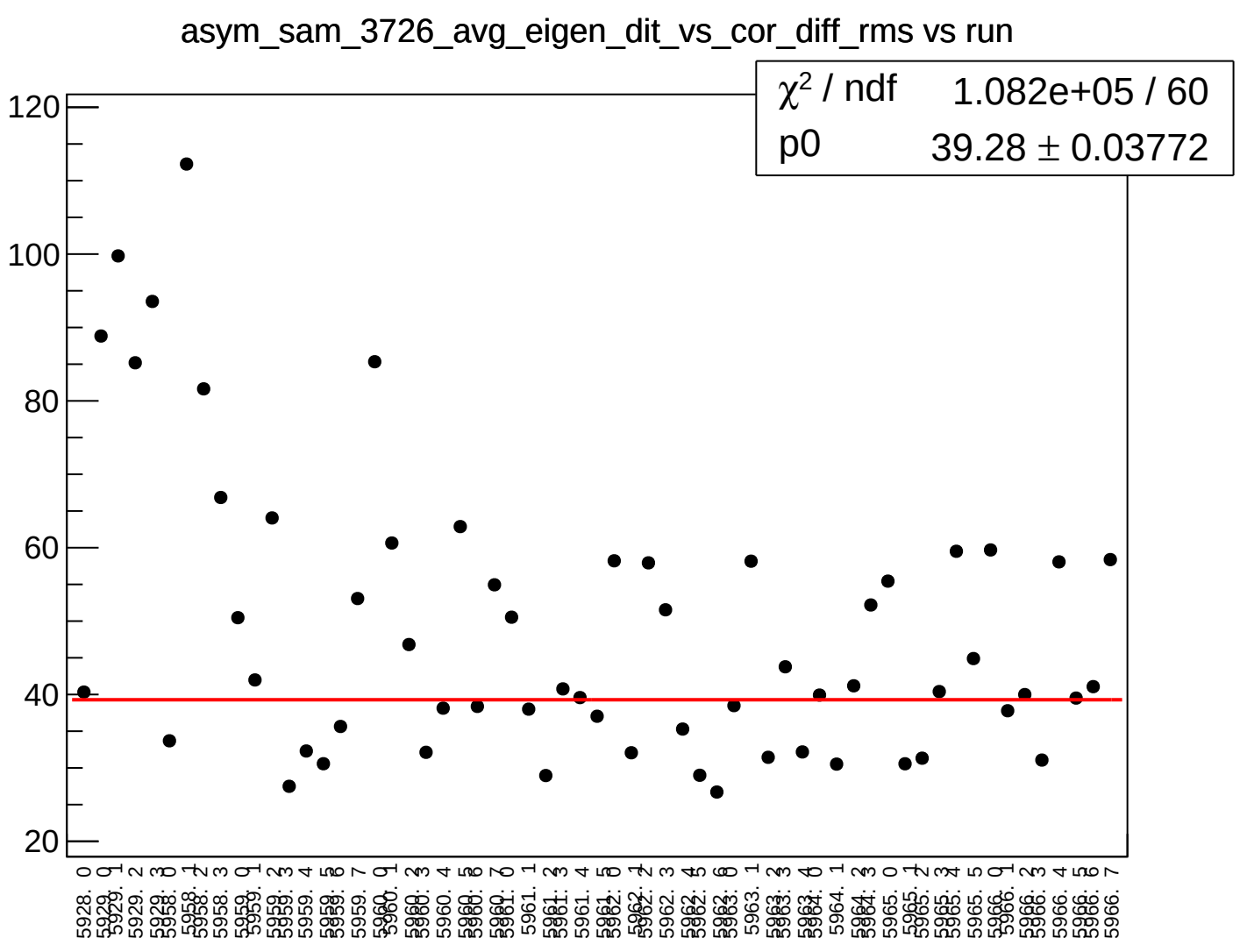

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 60
p0 39.28 ± 0.03772
120
100
80
60
40
20

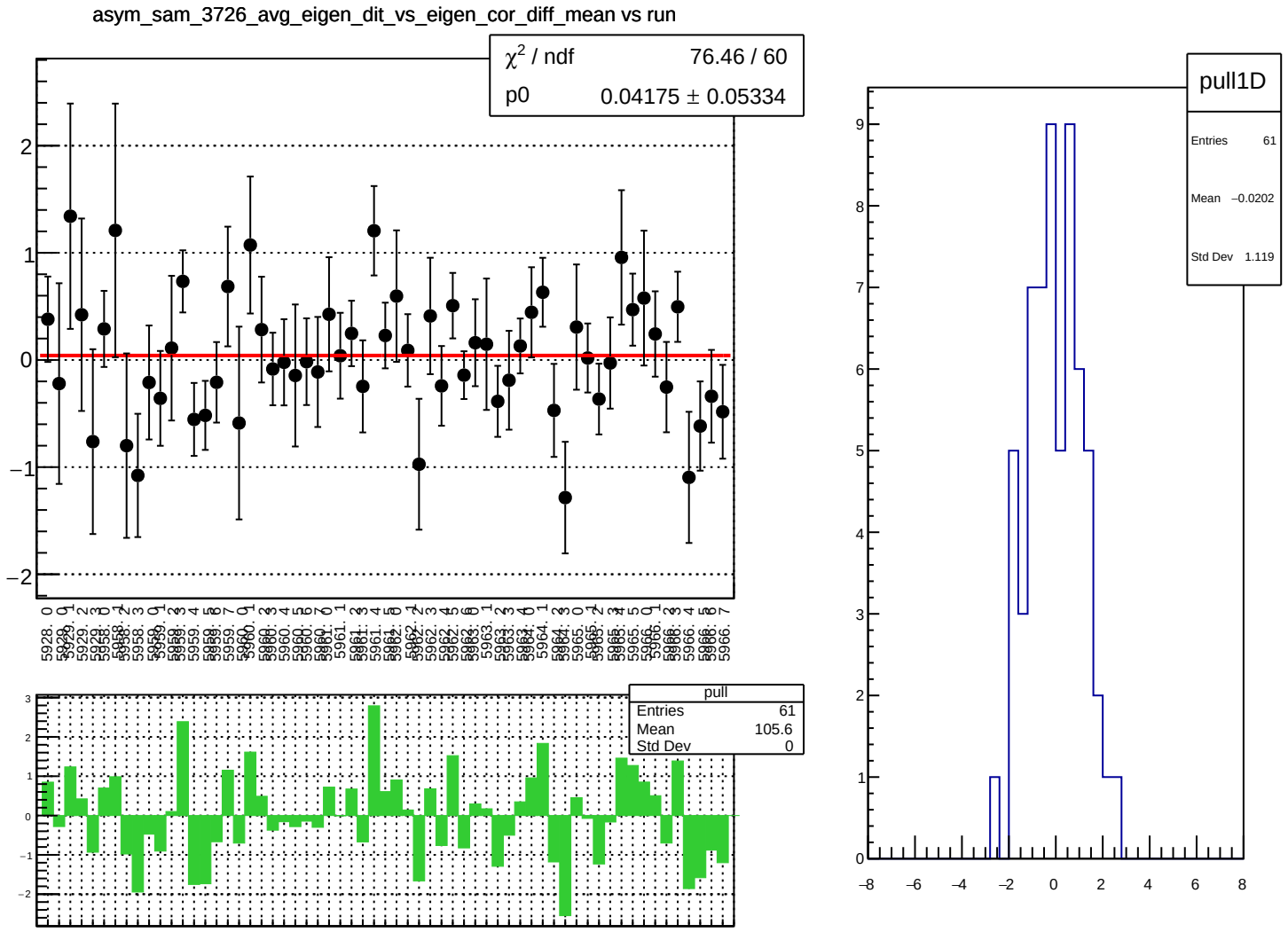

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.58 / 60
p0 1.726e−06 ± 2.727e−06
pull
Entries 61
Mean −75.87
Std Dev 0

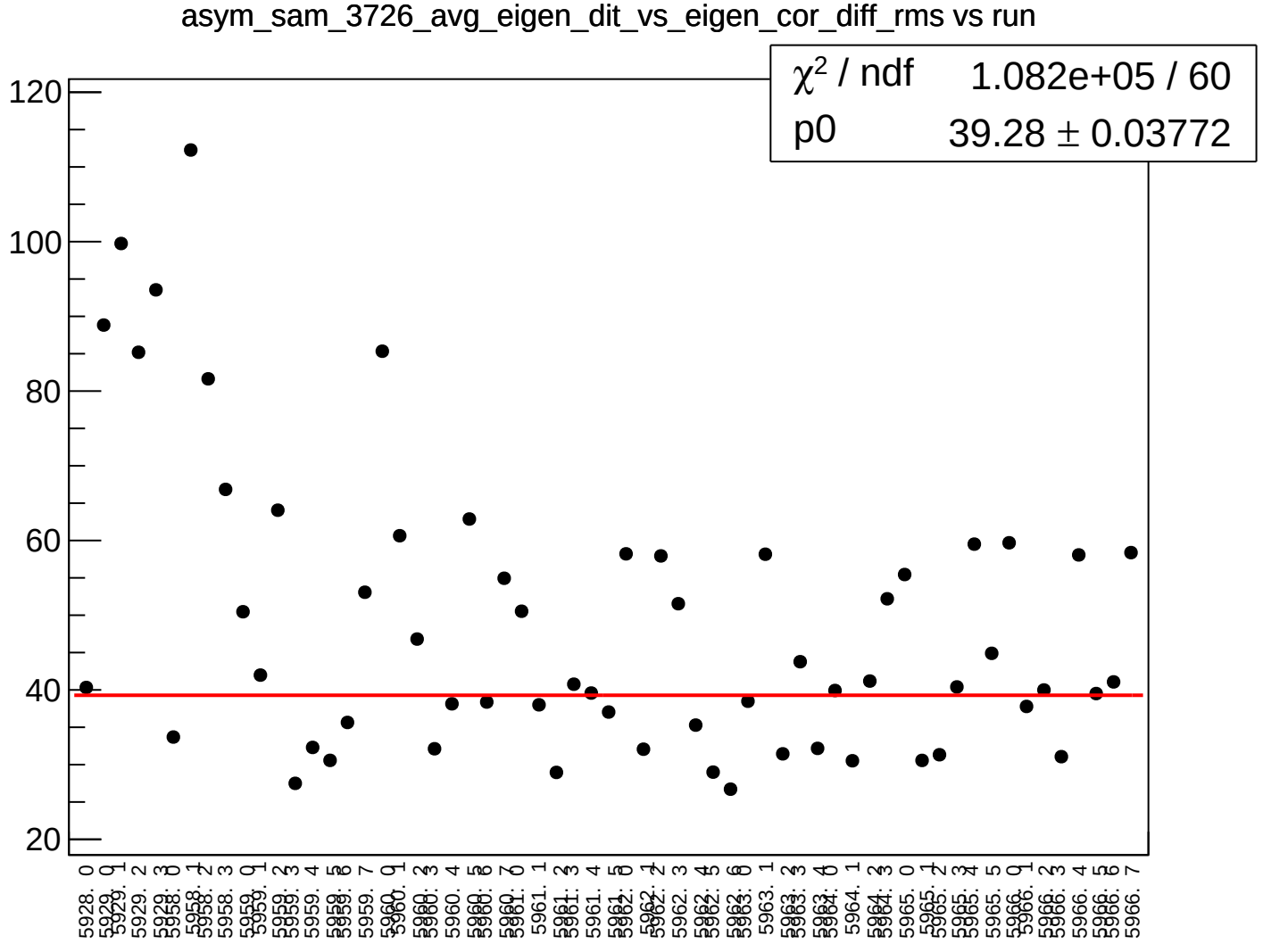

pull1D
Entries 61
Mean 0.01992
Std Dev 0.9797

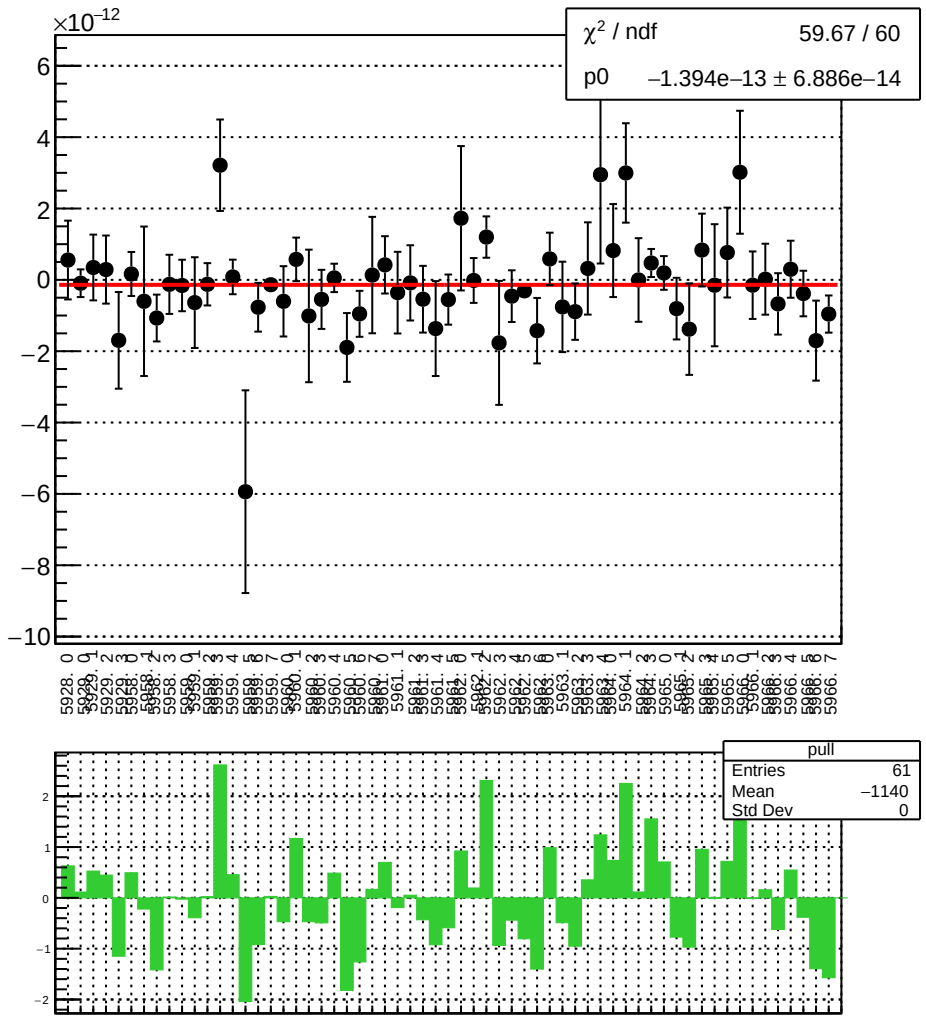

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.578e+04 / 60
p0 0.002056 ± 1.928e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

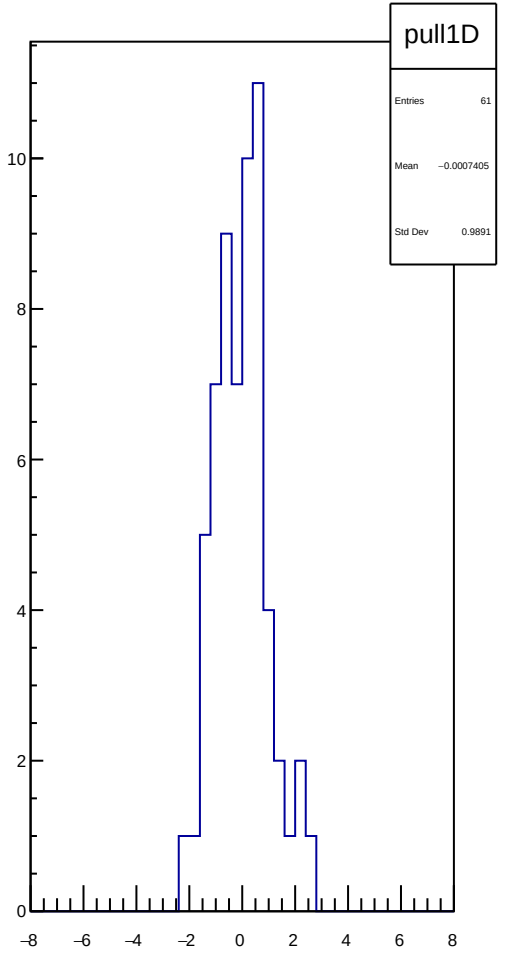

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.46 / 60
p0 0.04175 ± 0.05334
pull
Entries 61
Mean 105.6
Std Dev 0
pull1D
Entries 61
Mean −0.0202
Std Dev 1.119

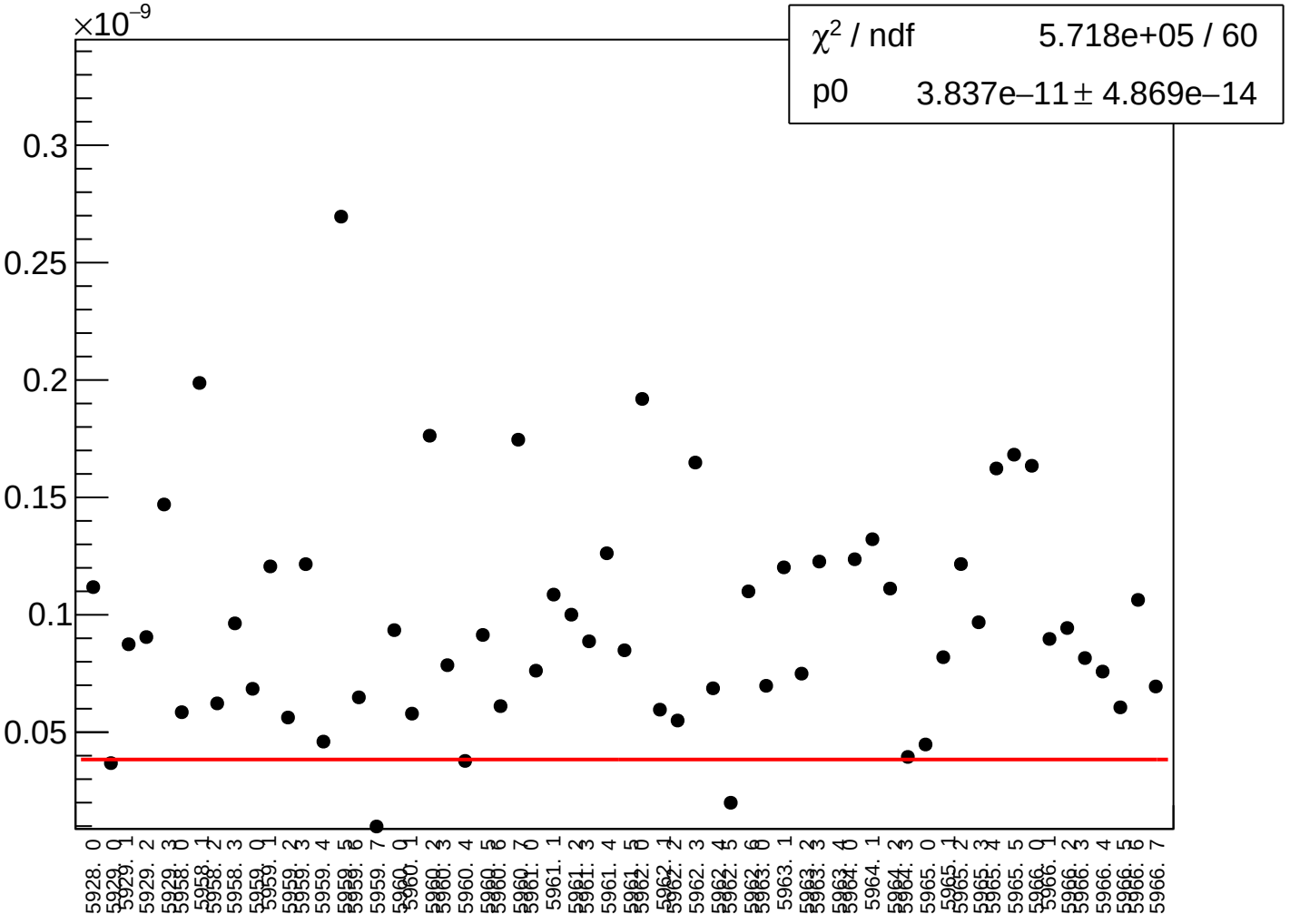

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 60
p0 39.28 ± 0.03772
120
100
80
60
40
20

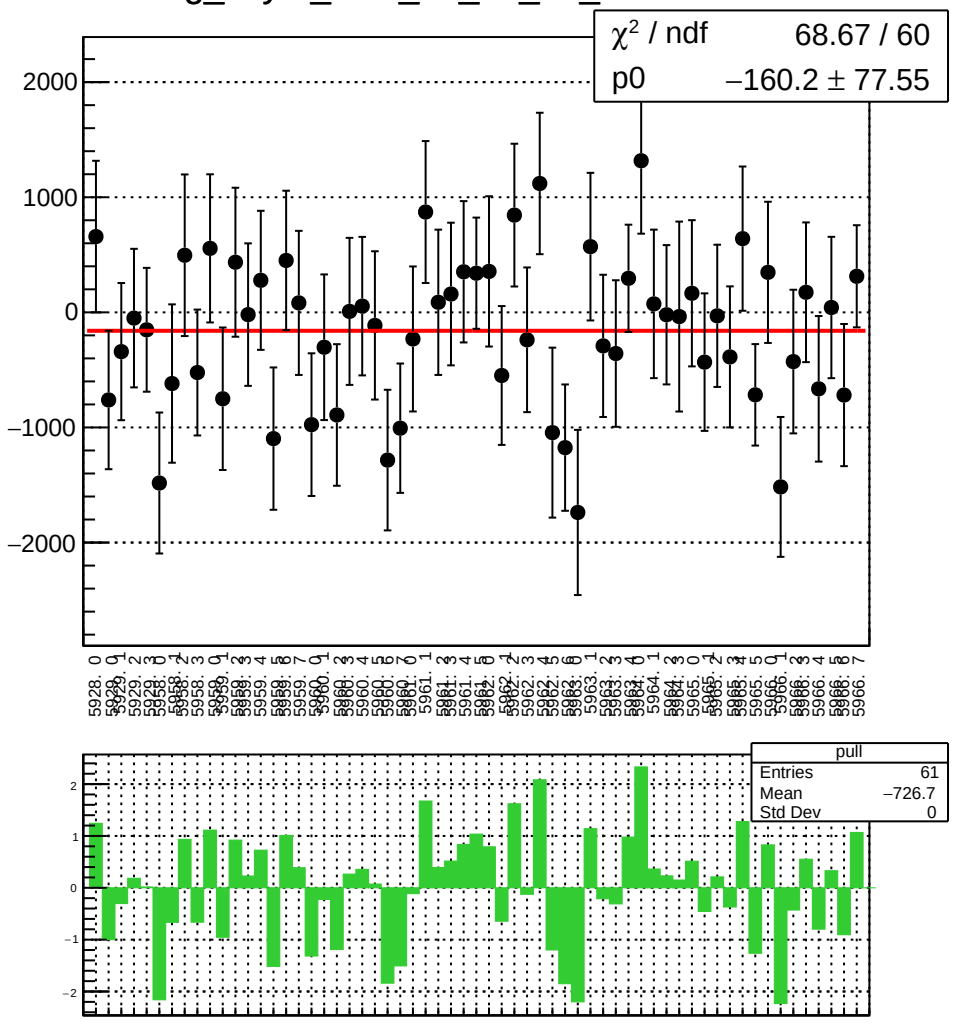

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.46 / 60
p0 0.04175 ± 0.05334
pull
Entries 61
Mean 105.6
Std Dev 0
pull1D
Entries 61
Mean −0.0202
Std Dev 1.119

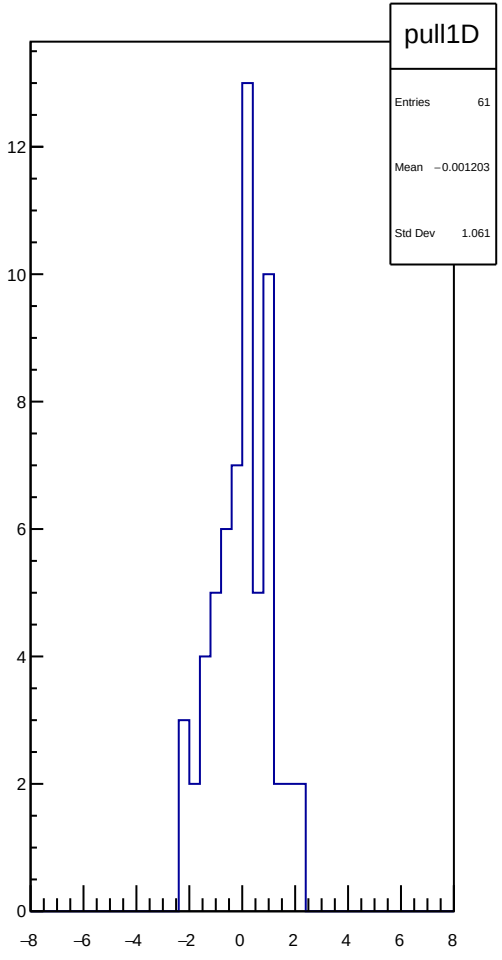

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 60
p0 39.28 ± 0.03772
120
100
80
60
40
20

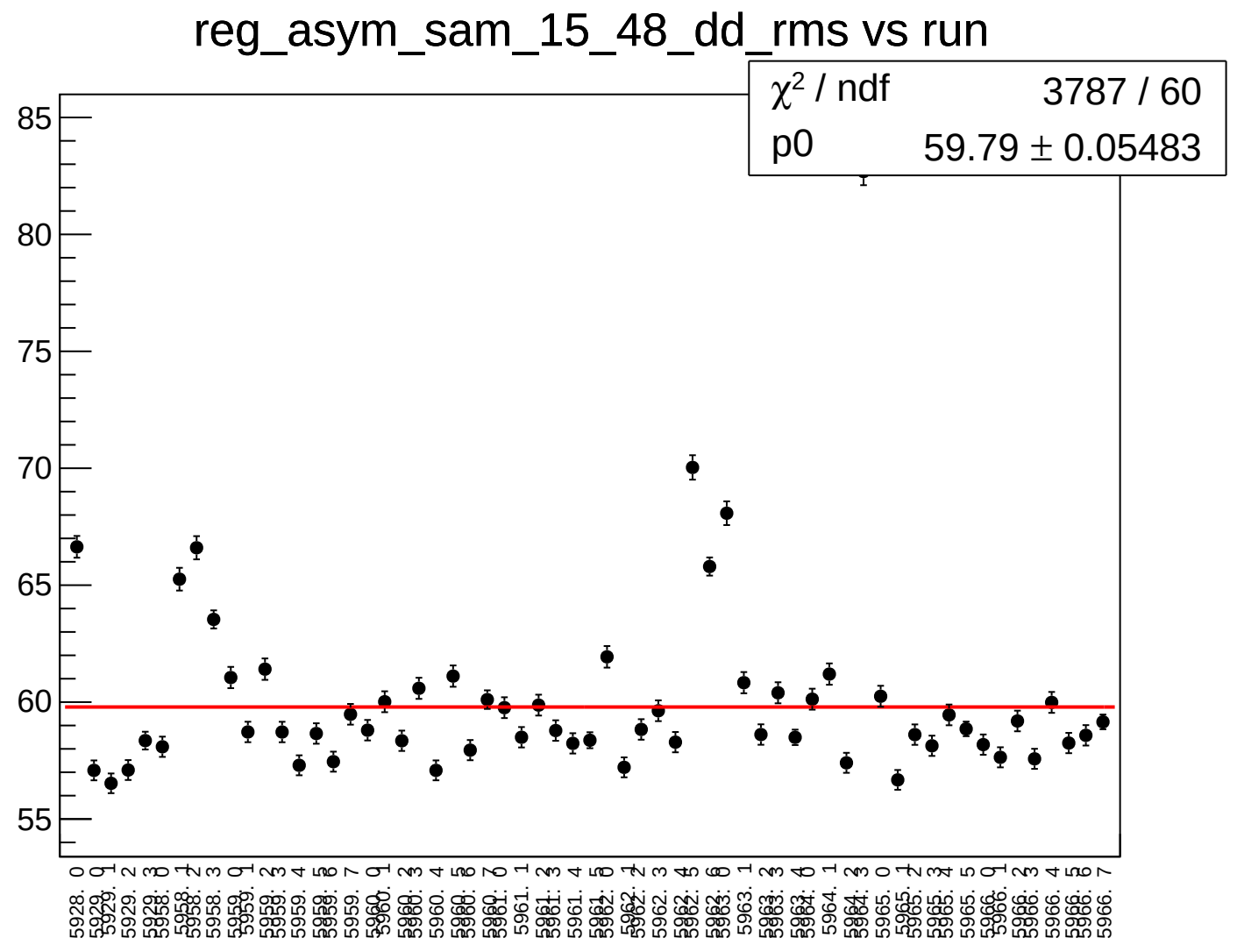

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.67 / 60
p0 −1.394e−13 ± 6.886e−14
pull
Entries 61
Mean −1140
Std Dev 0

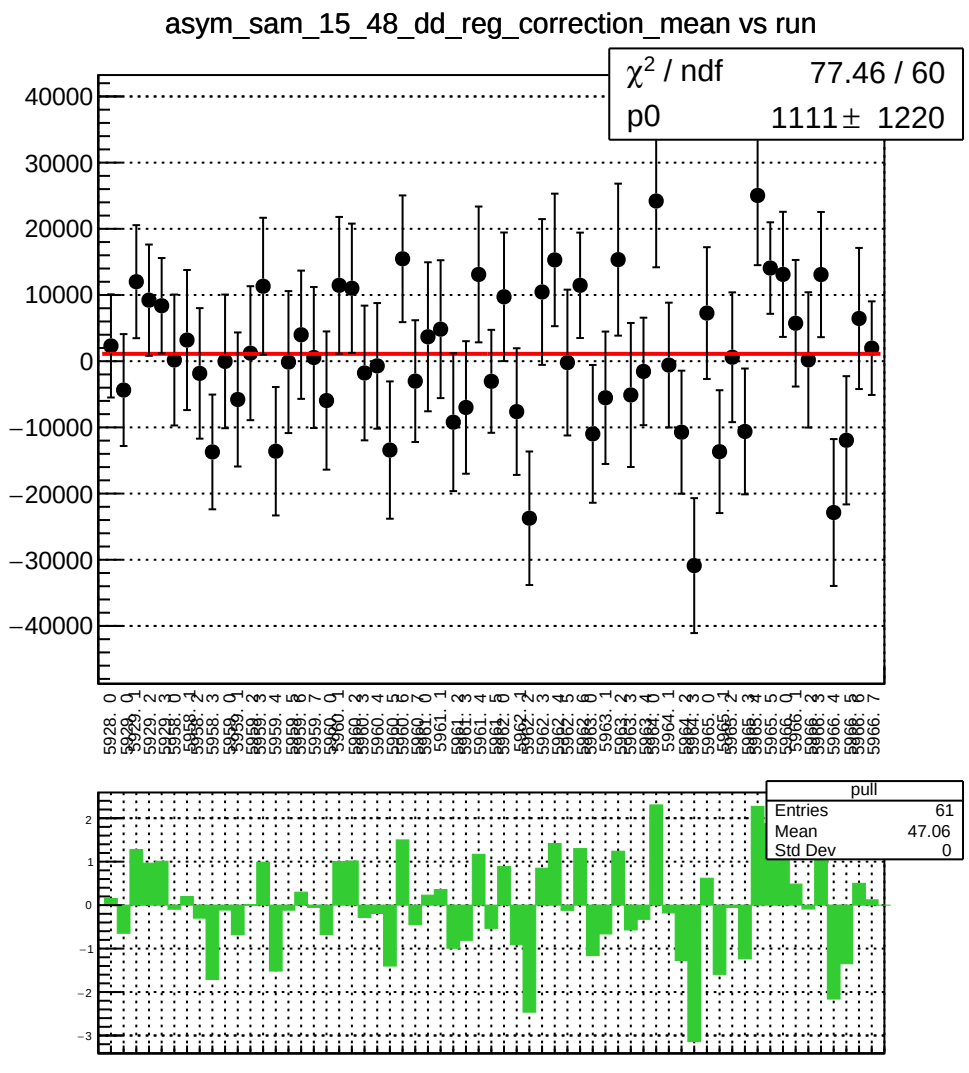

pull1D
Entries 61
Mean −0.0007405
Std Dev 0.9891

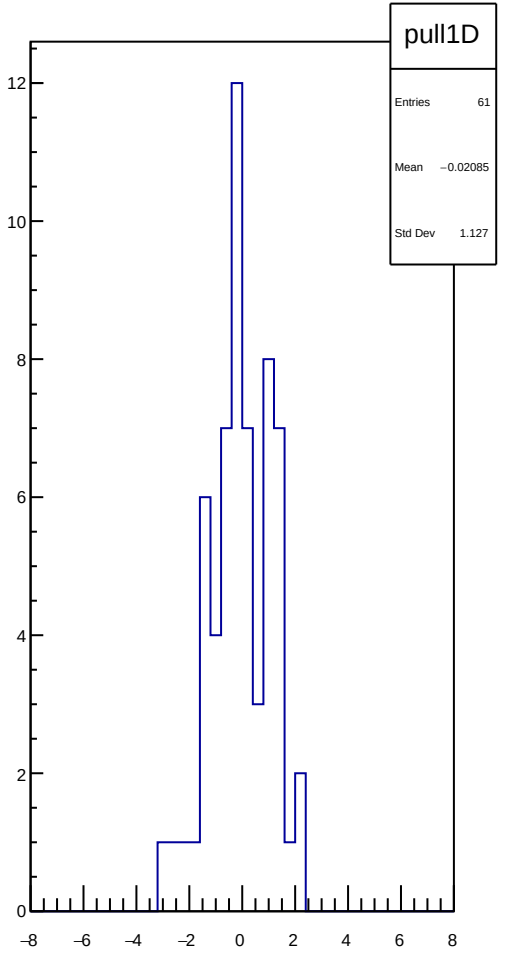

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.718e+05 / 60
p0 3.837e−11 ± 4.869e−14
0.3
0.25
0.2
0.15
0.1
0.05

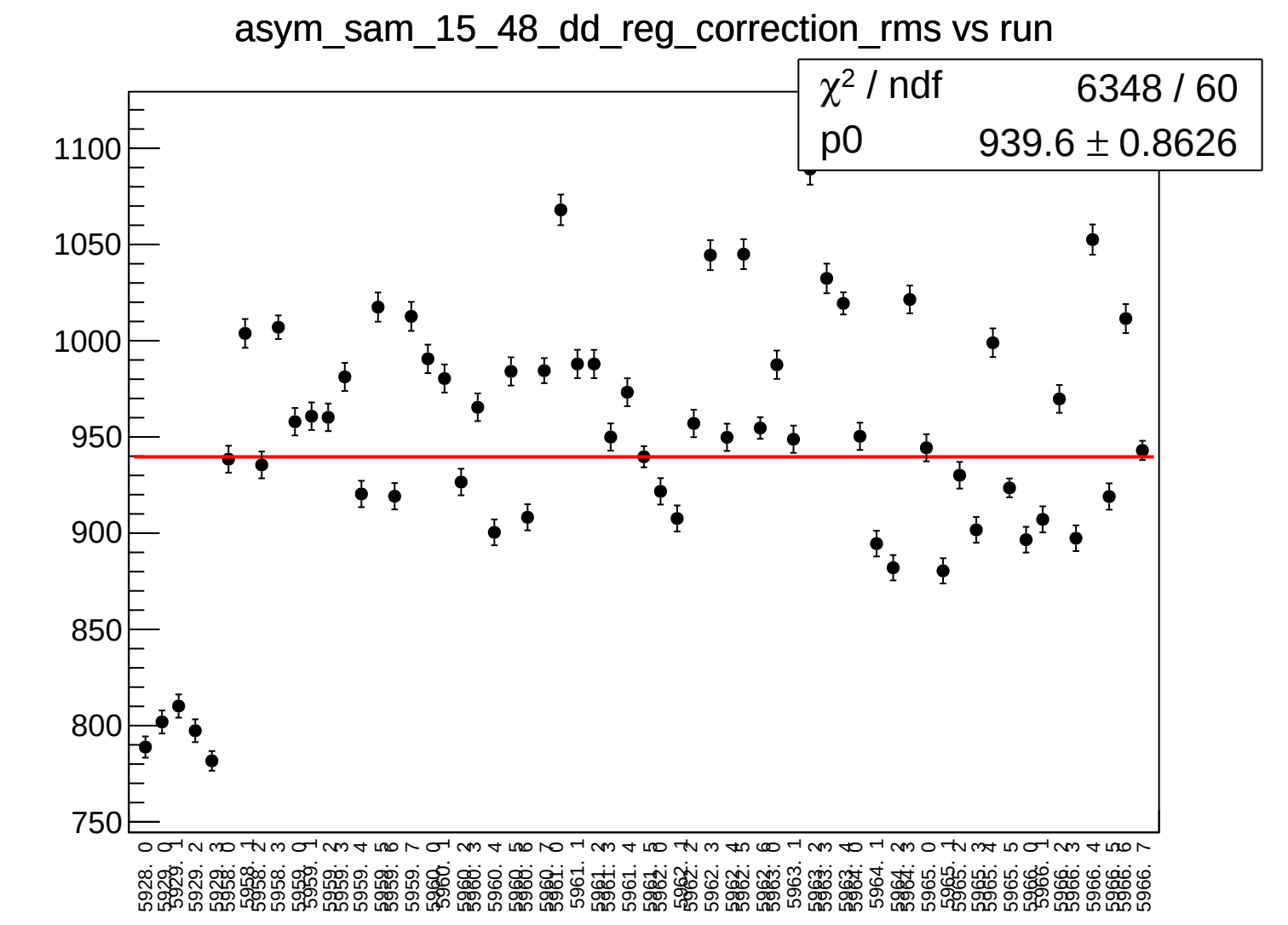

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 68.67 / 60
p0 −160.2 ± 77.55
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −726.7
Std Dev 0
2
1
0
−1
−2

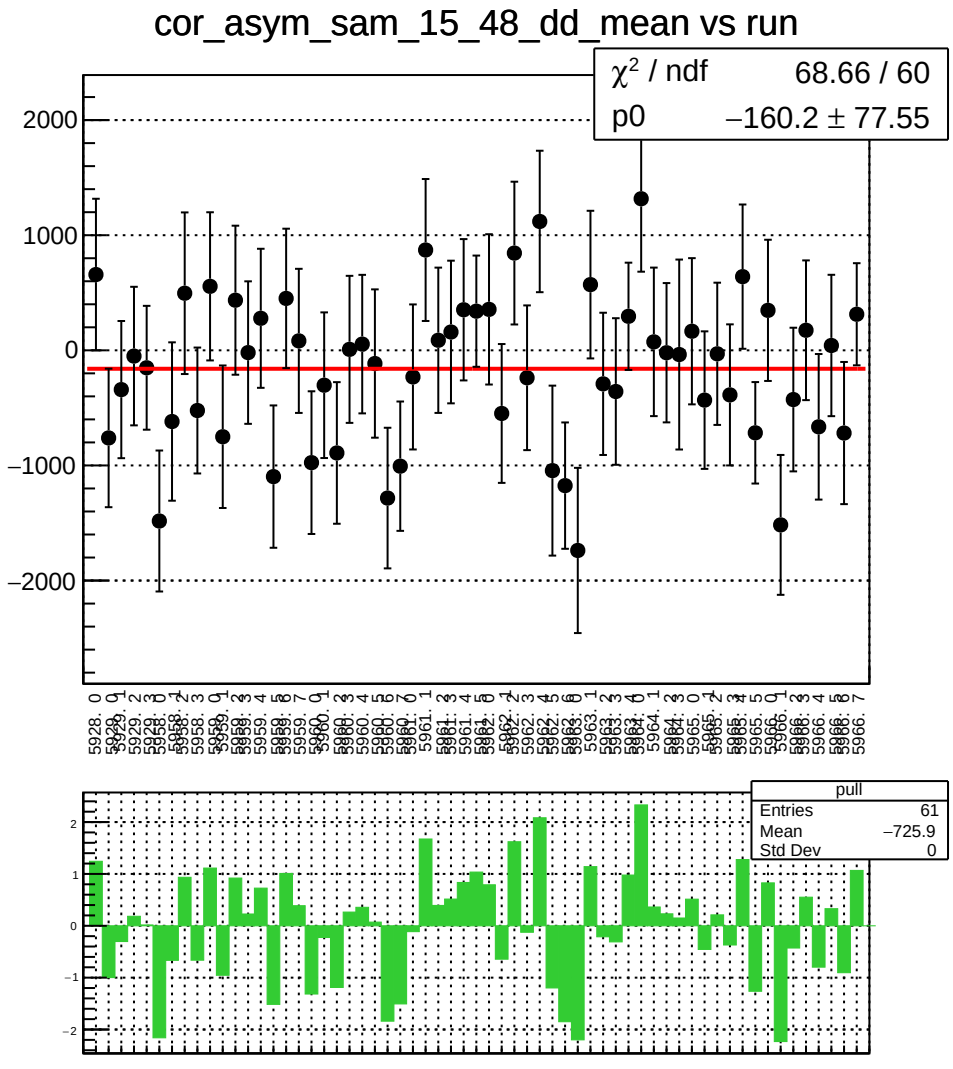

pull1D
Entries 61
Mean −0.001203
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

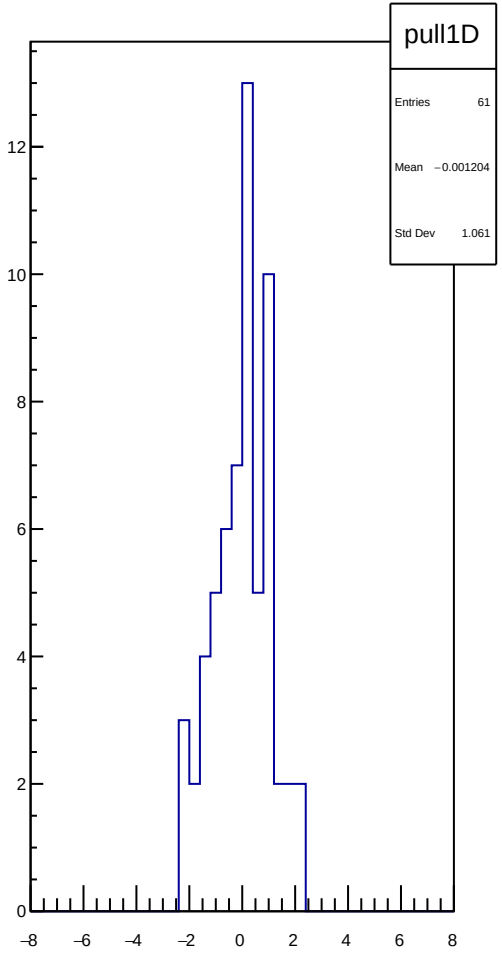

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 3787 / 60
p0 59.79 ± 0.05483
85
80
75
70
65
60
55

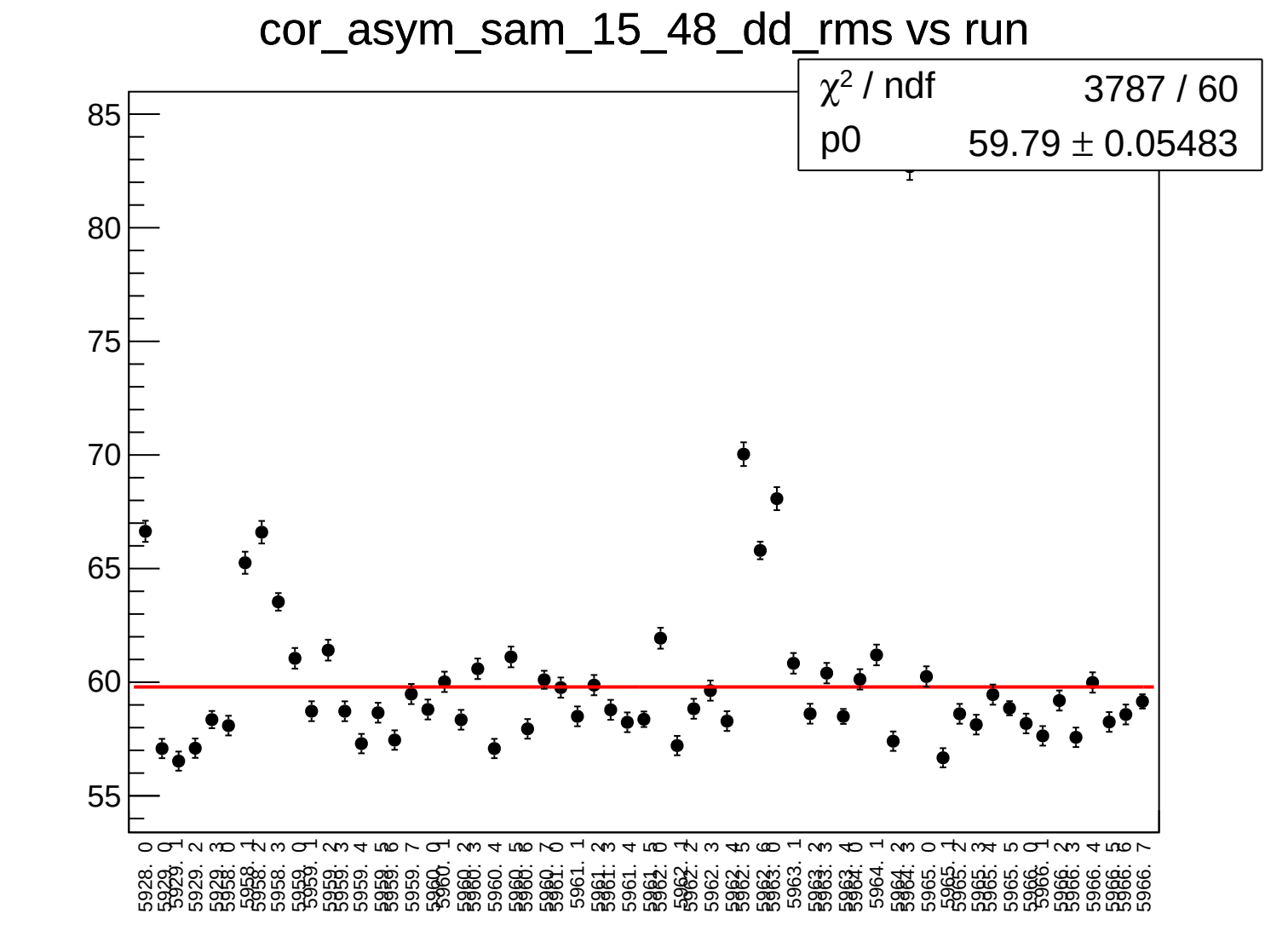

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 77.46 / 60
p0 1111 ± 1220
pull
Entries 61
Mean 47.06
Std Dev 0

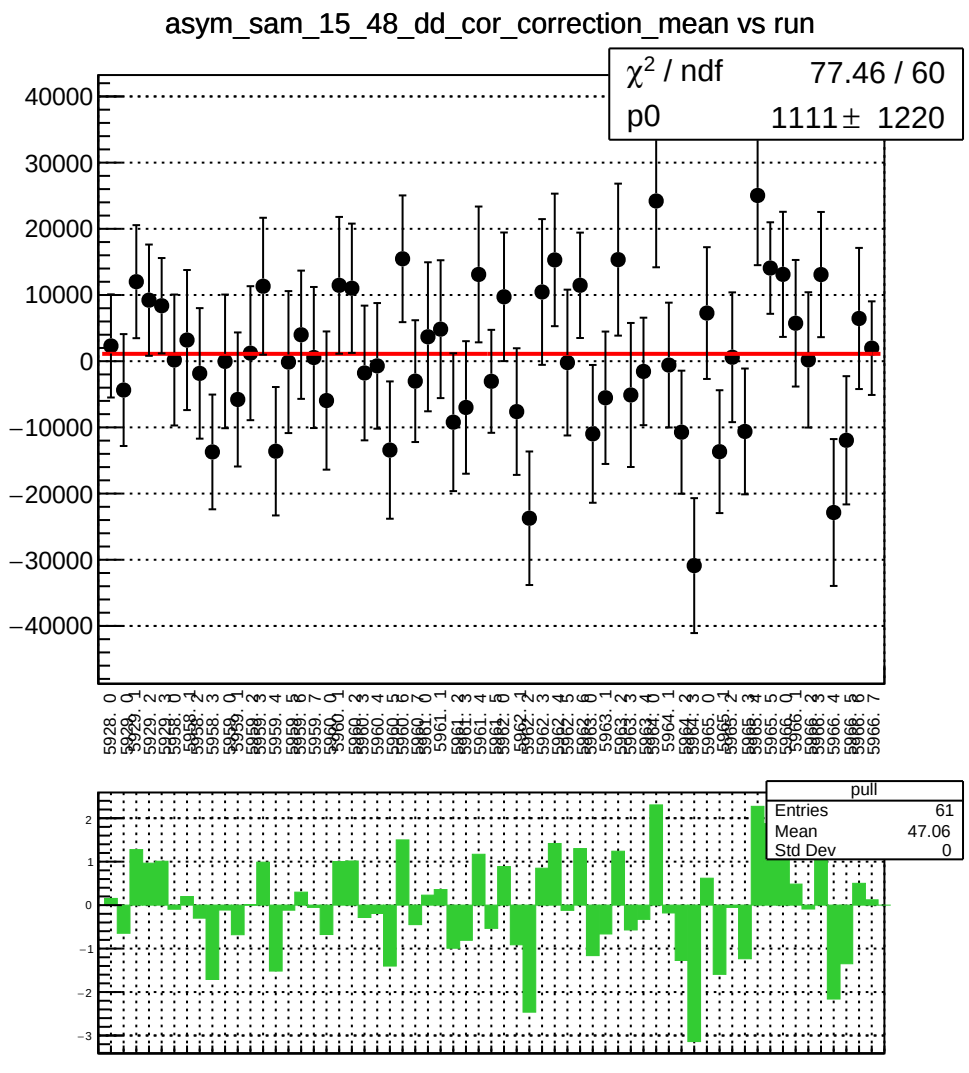

pull1D
Entries 61
Mean −0.02085
Std Dev 1.127

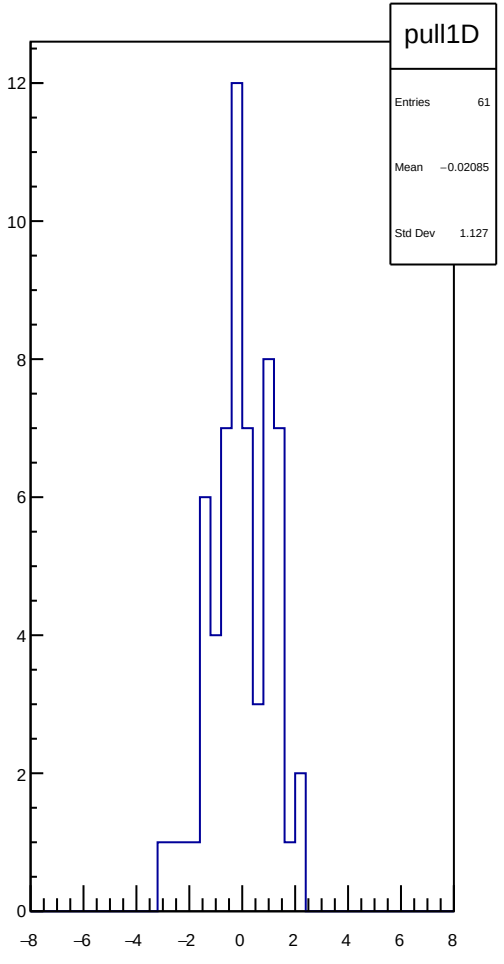

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 6348 / 60
p0 939.6 ± 0.8626
1100
1050
1000
950
900
850
800
750

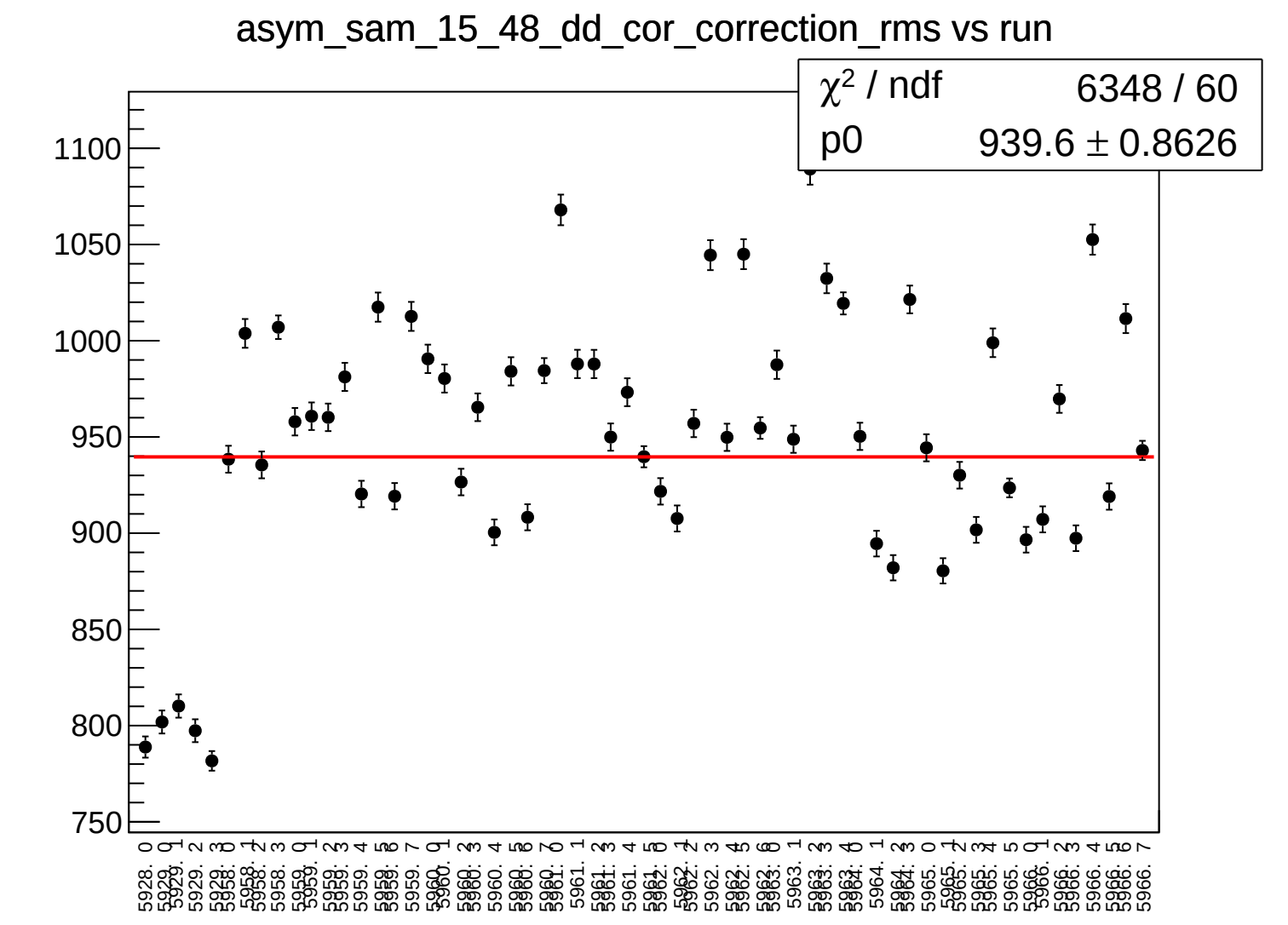

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 68.66 / 60
p0 −160.2 ± 77.55
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −725.9
Std Dev 0
2
1
0
−1
−2

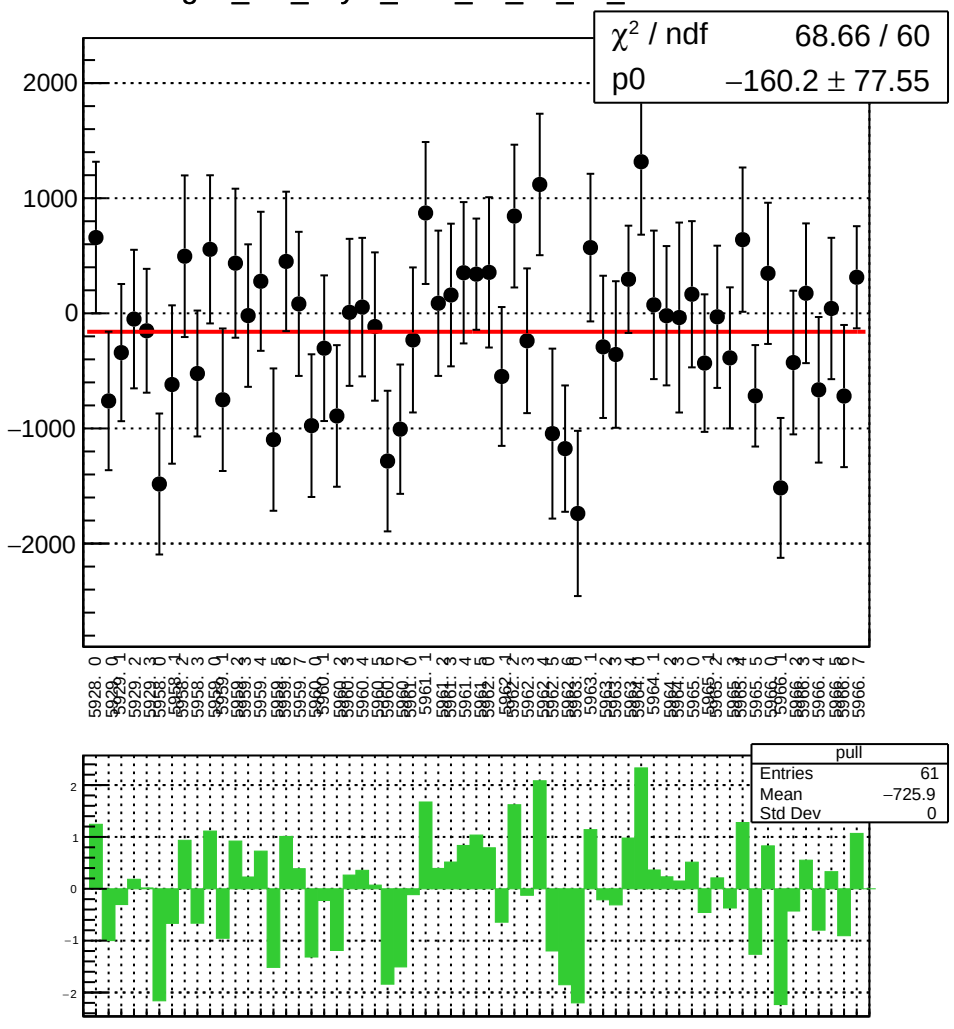

pull1D
Entries 61
Mean −0.001204
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

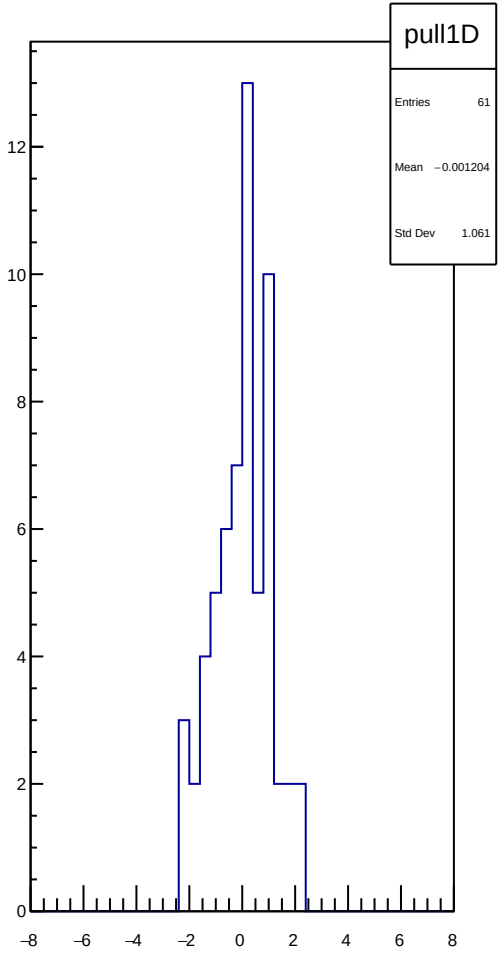

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 3787 / 60
p0 59.79 ± 0.05483
85
80
75
70
65
60
55

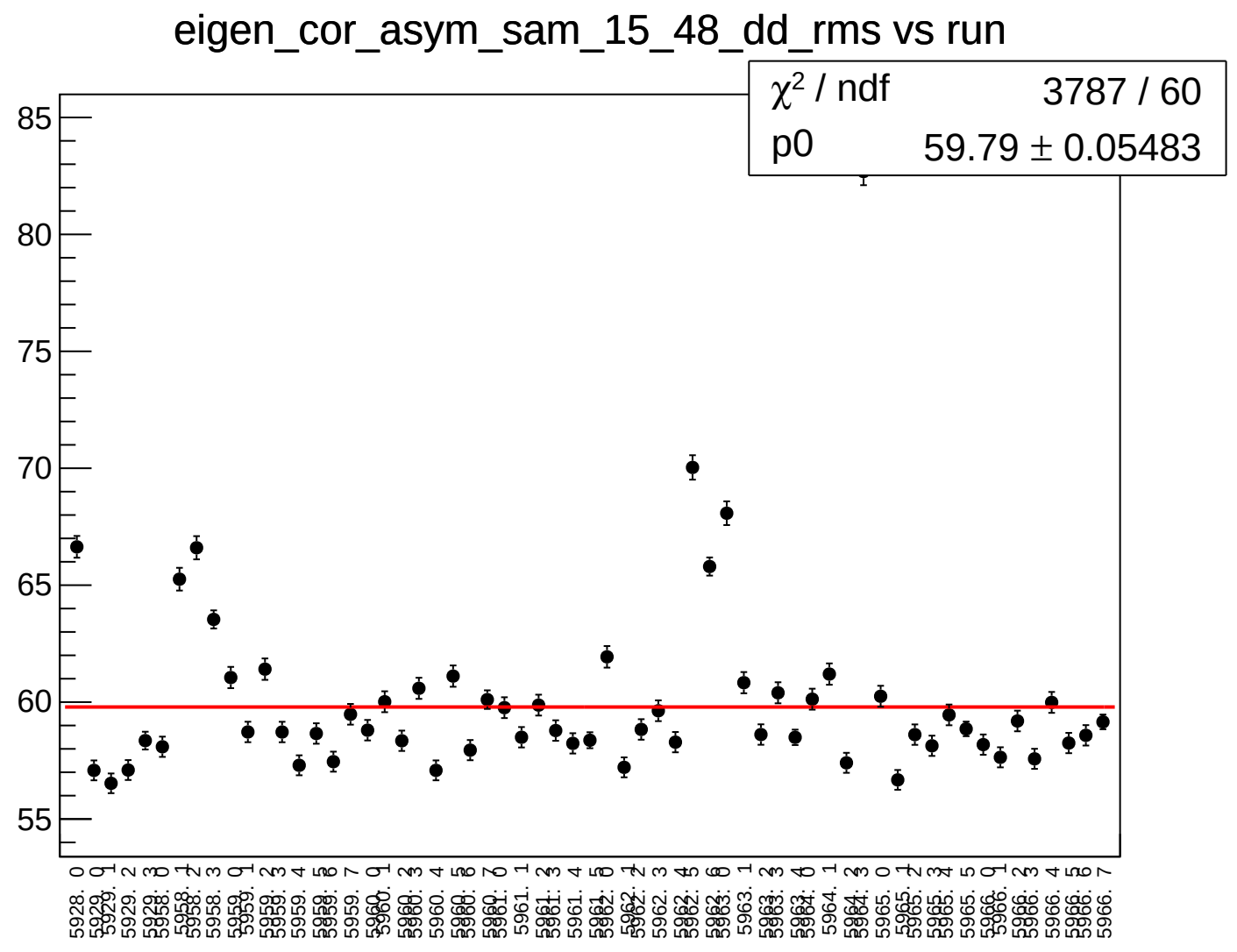

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 77.46 / 60
p0 1111 ± 1220
pull
Entries 61
Mean 47.06
Std Dev 0

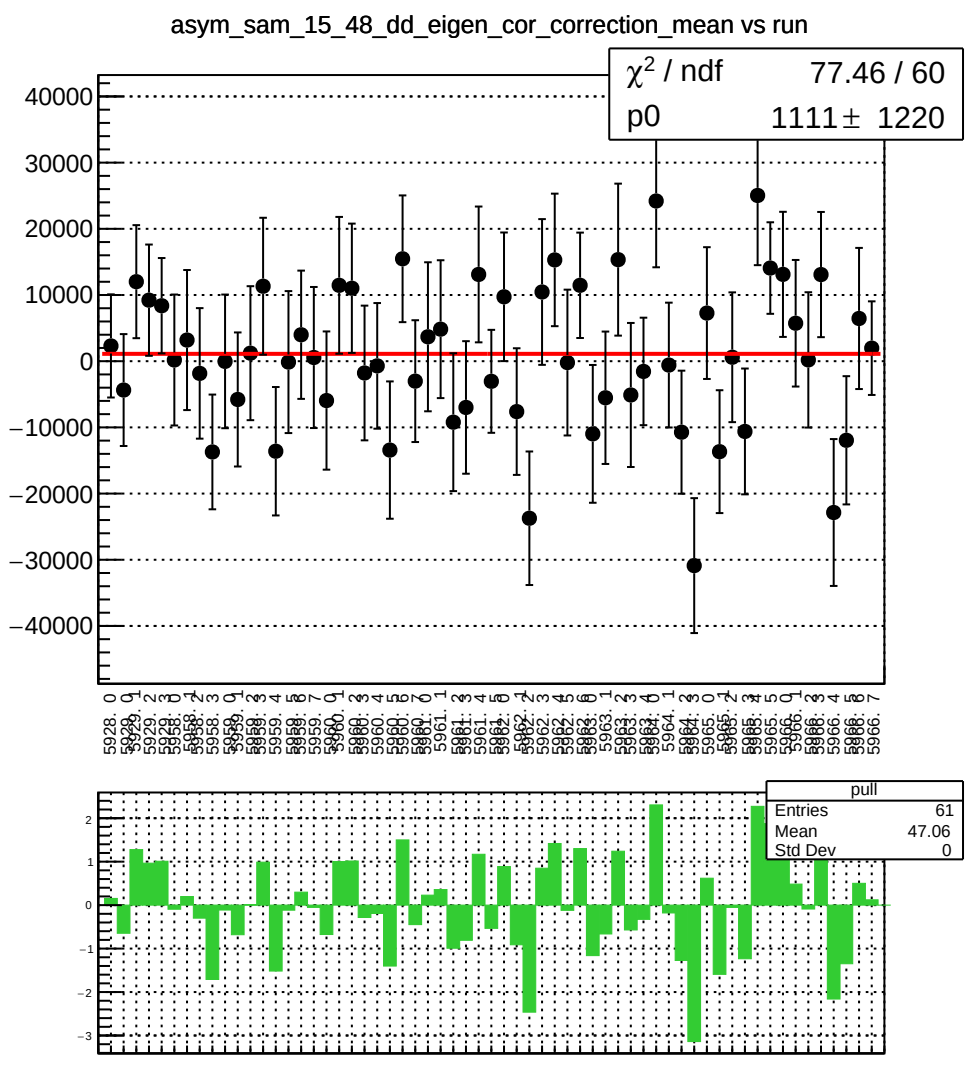

pull1D
Entries 61
Mean −0.02085
Std Dev 1.127

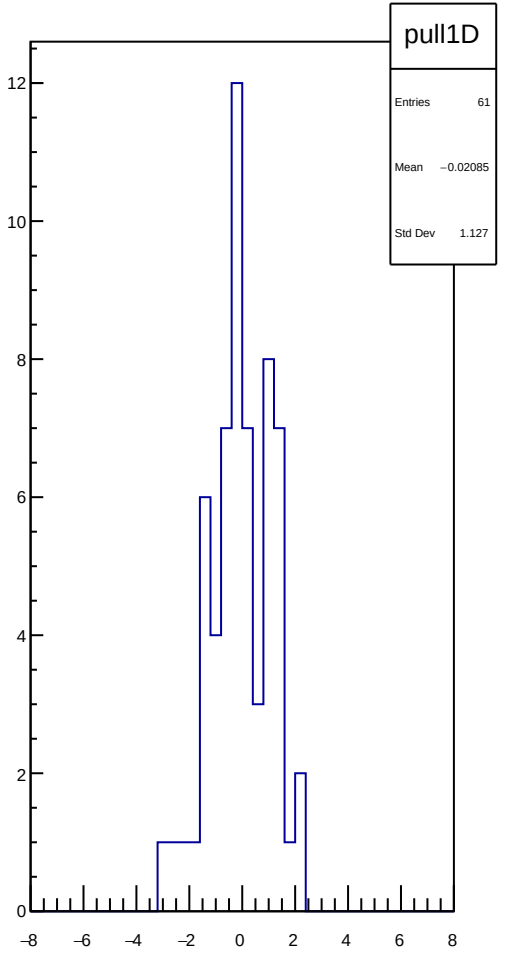

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 6348 / 60
p0 939.6 ± 0.8626
1100
1050
1000
950
900
850
800
750

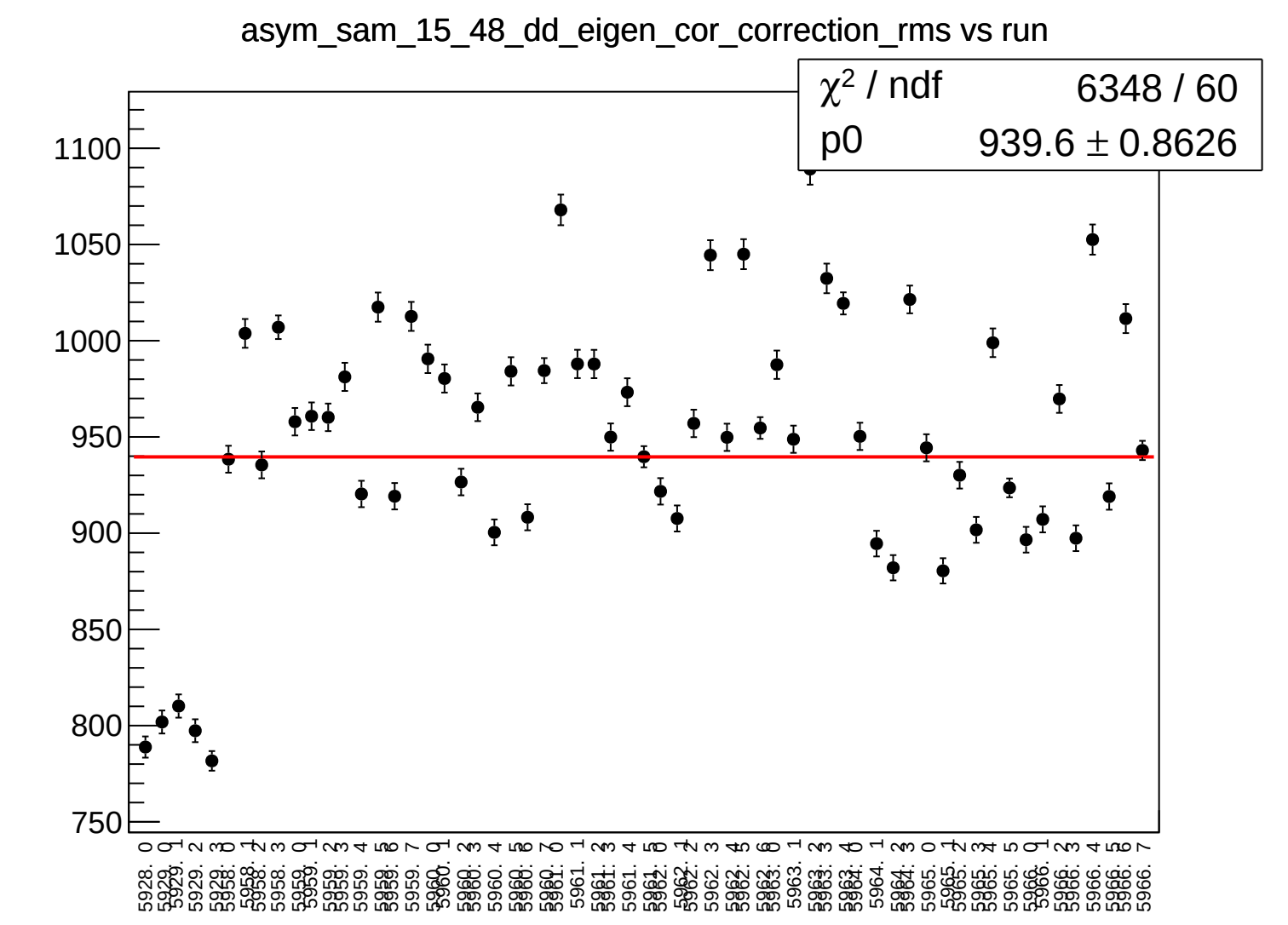

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 68.66 / 60
p0 −160.2 ± 77.55
2000
1000
0
−1000
−2000
pull
Entries 61
Mean −725.9
Std Dev 0
2
1
0
−1
−2

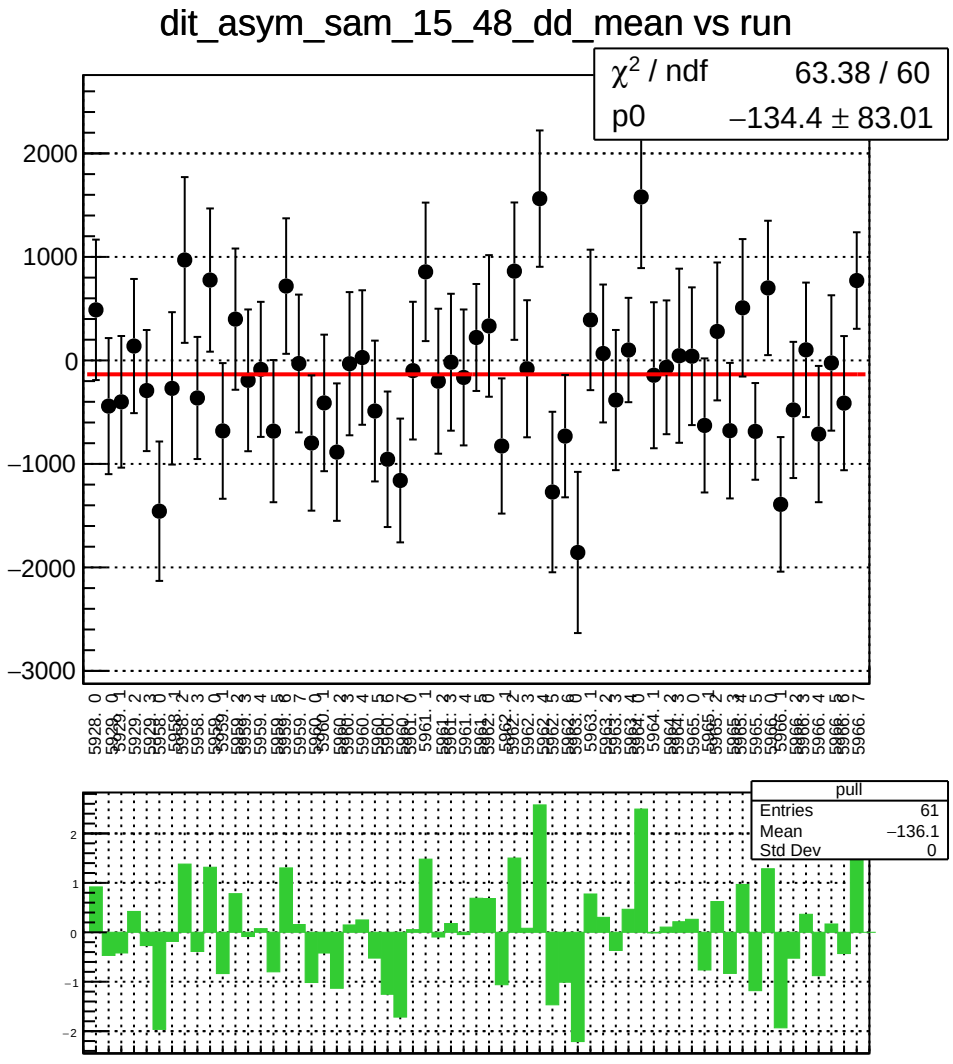

pull1D
Entries 61
Mean −0.001204
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

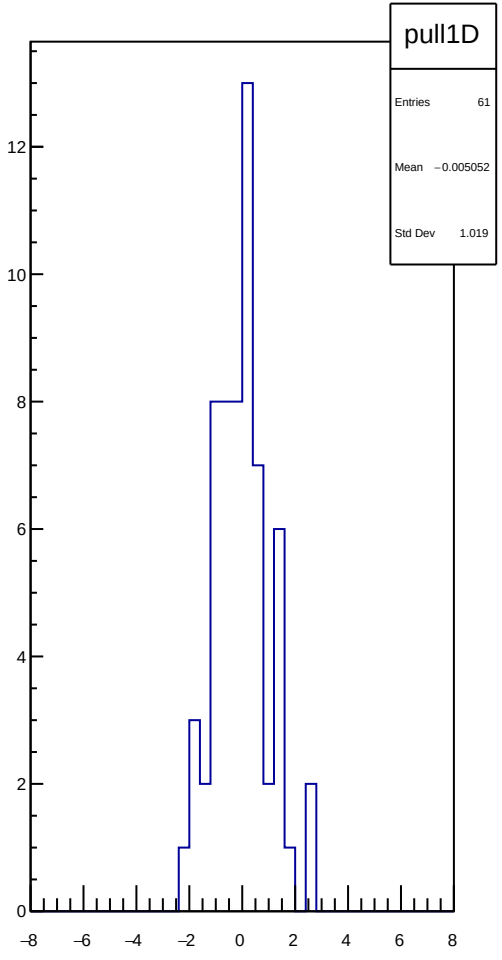

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 3787 / 60
p0 59.79 ± 0.05483
85
80
75
70
65
60
55

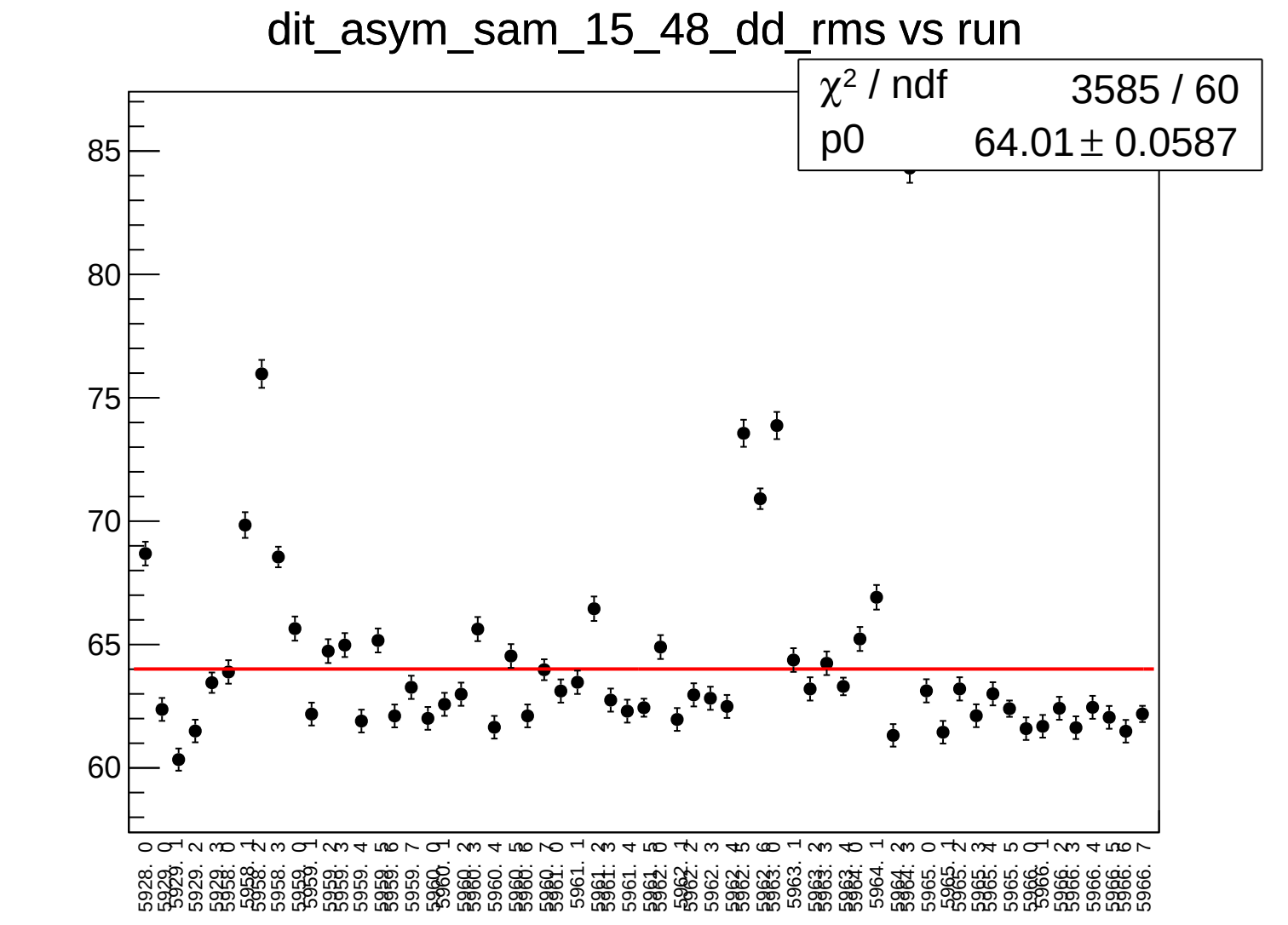

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.46 / 60
p0 1111 ± 1220
pull
Entries 61
Mean 47.06
Std Dev 0

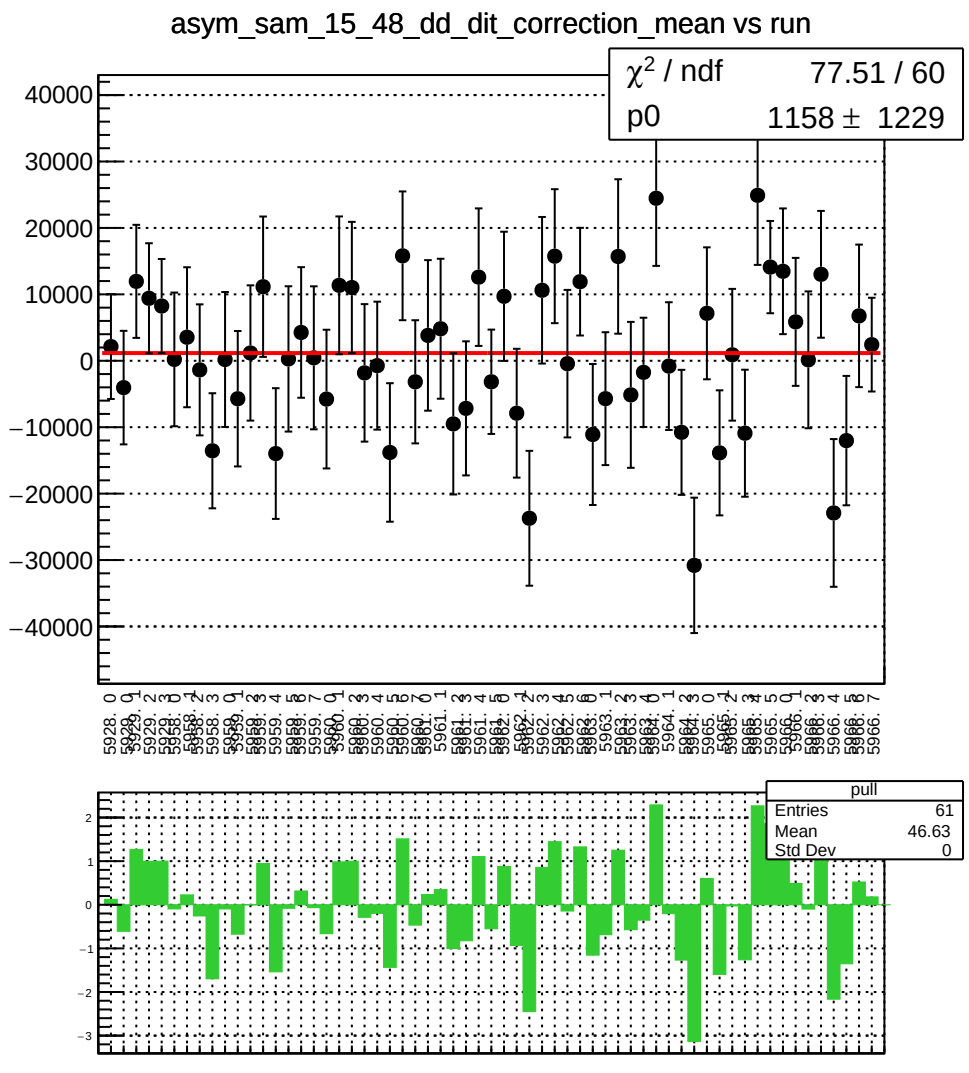

pull1D
Entries 61
Mean −0.02085
Std Dev 1.127

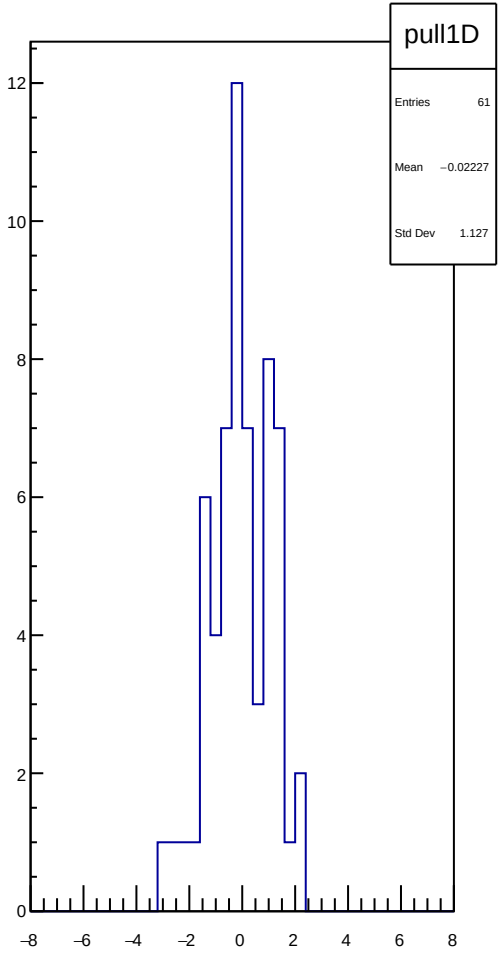

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 6348 / 60
p0 939.6 ± 0.8626
1100
1050
1000
950
900
850
800
750

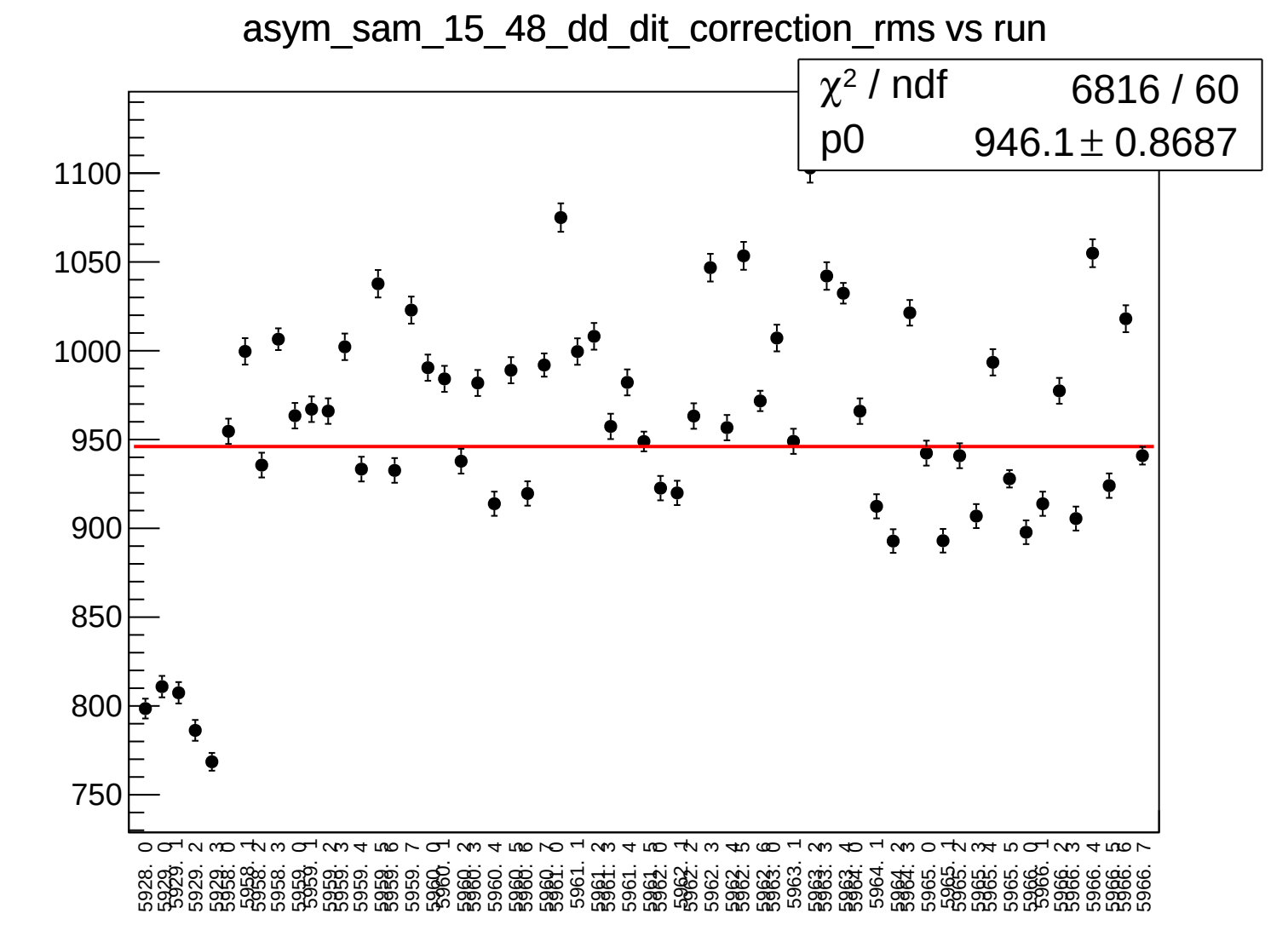

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.38 / 60
p0 −134.4 ± 83.01
2000
1000
0
−1000
−2000
−3000
pull
Entries 61
Mean −136.1
Std Dev 0
2
1
0
−1
−2

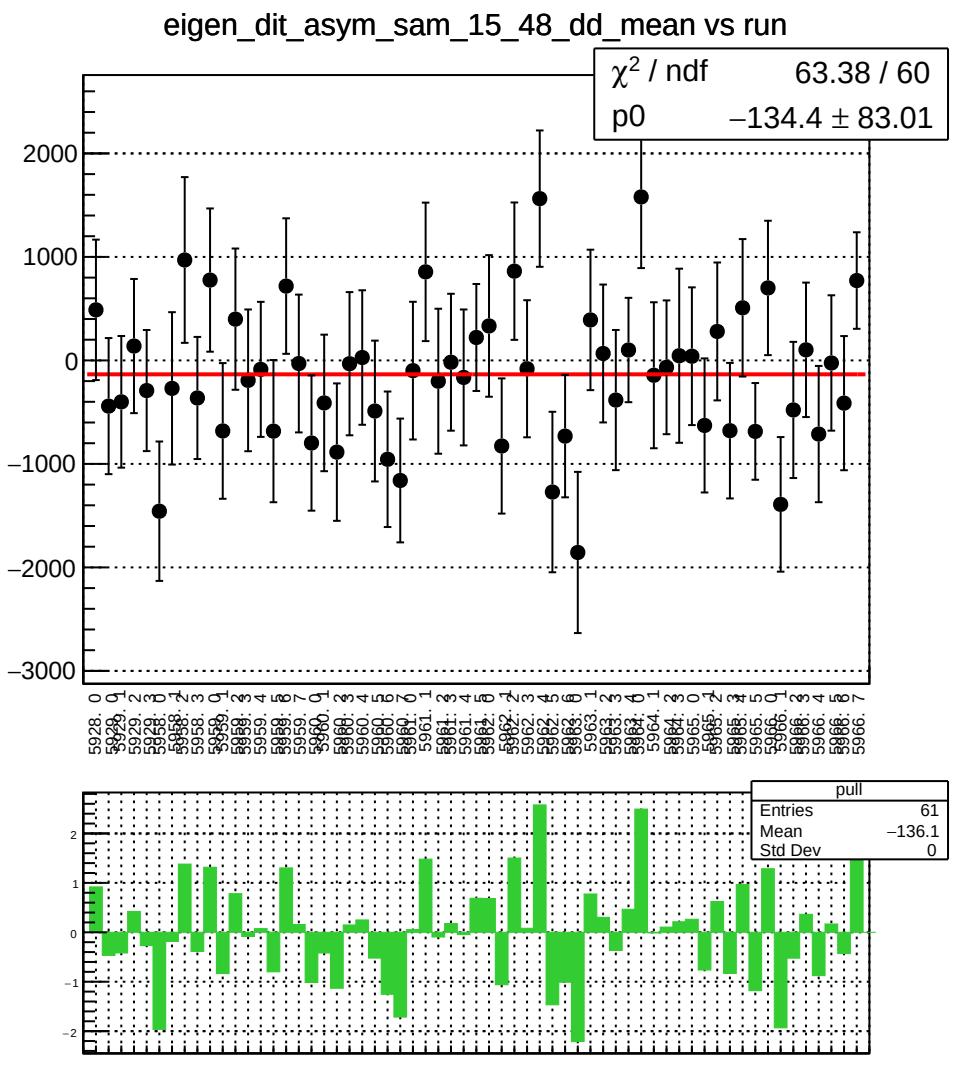

pull1D
Entries 61
Mean −0.005052
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

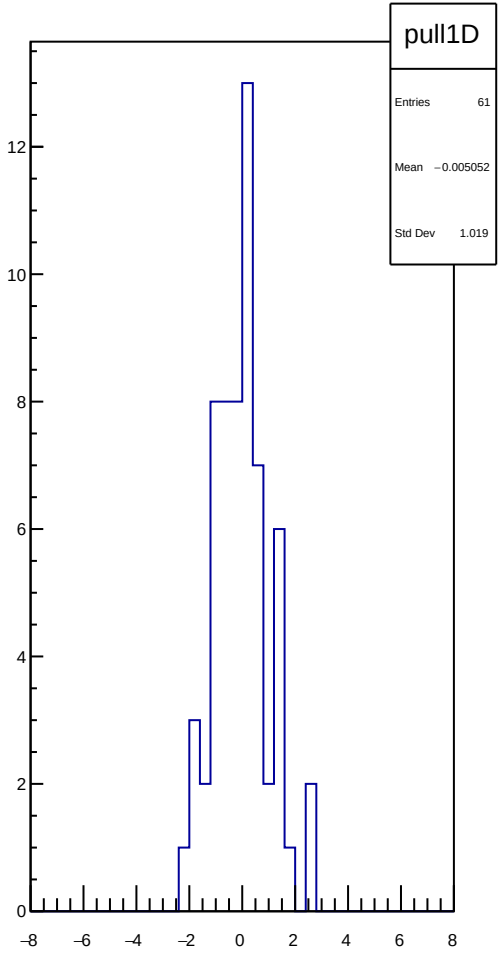

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3585 / 60
p0 64.01 ± 0.0587
85
80
75
70
65
60

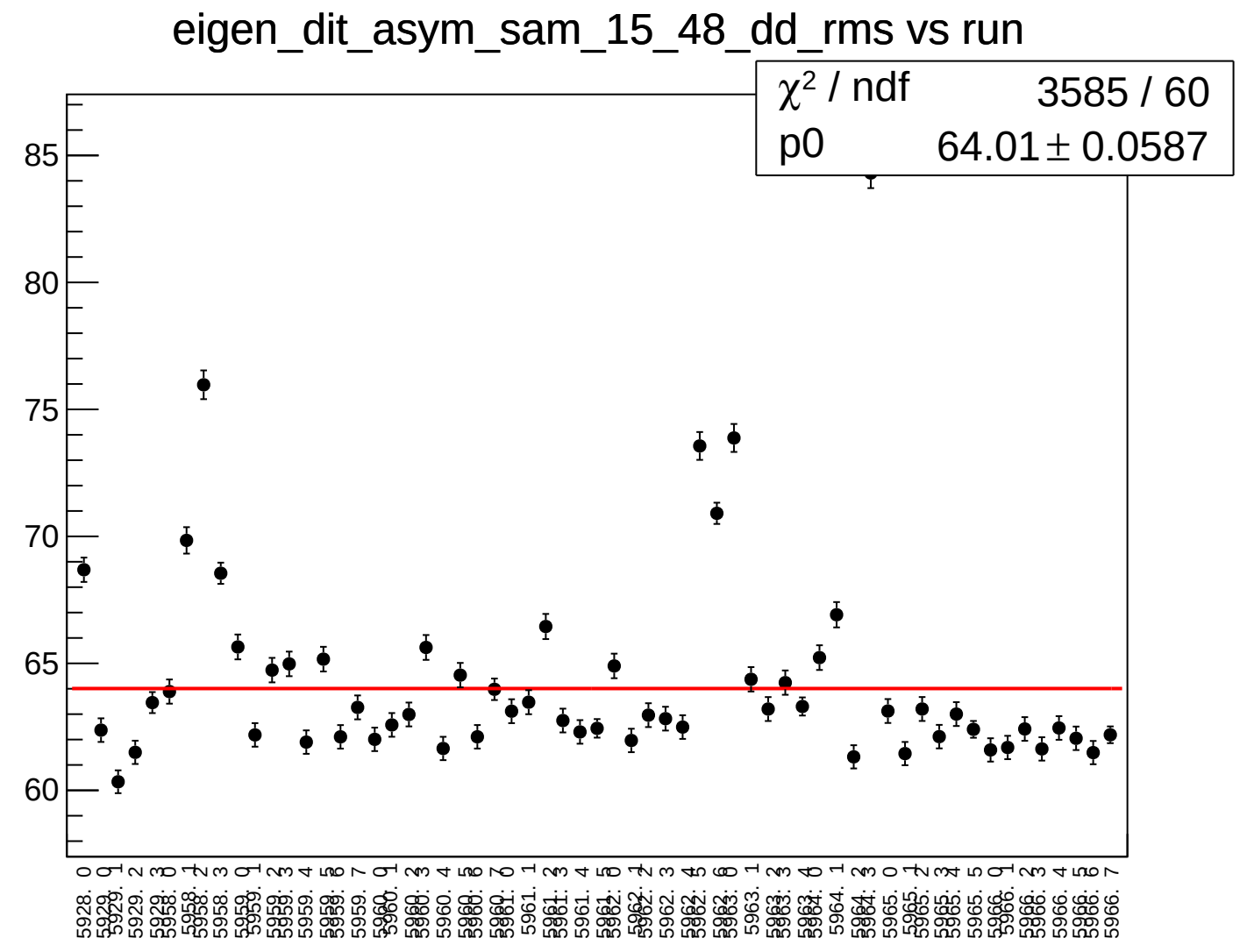

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 77.51 / 60
p0 1158 ± 1229
pull
Entries 61
Mean 46.63
Std Dev 0

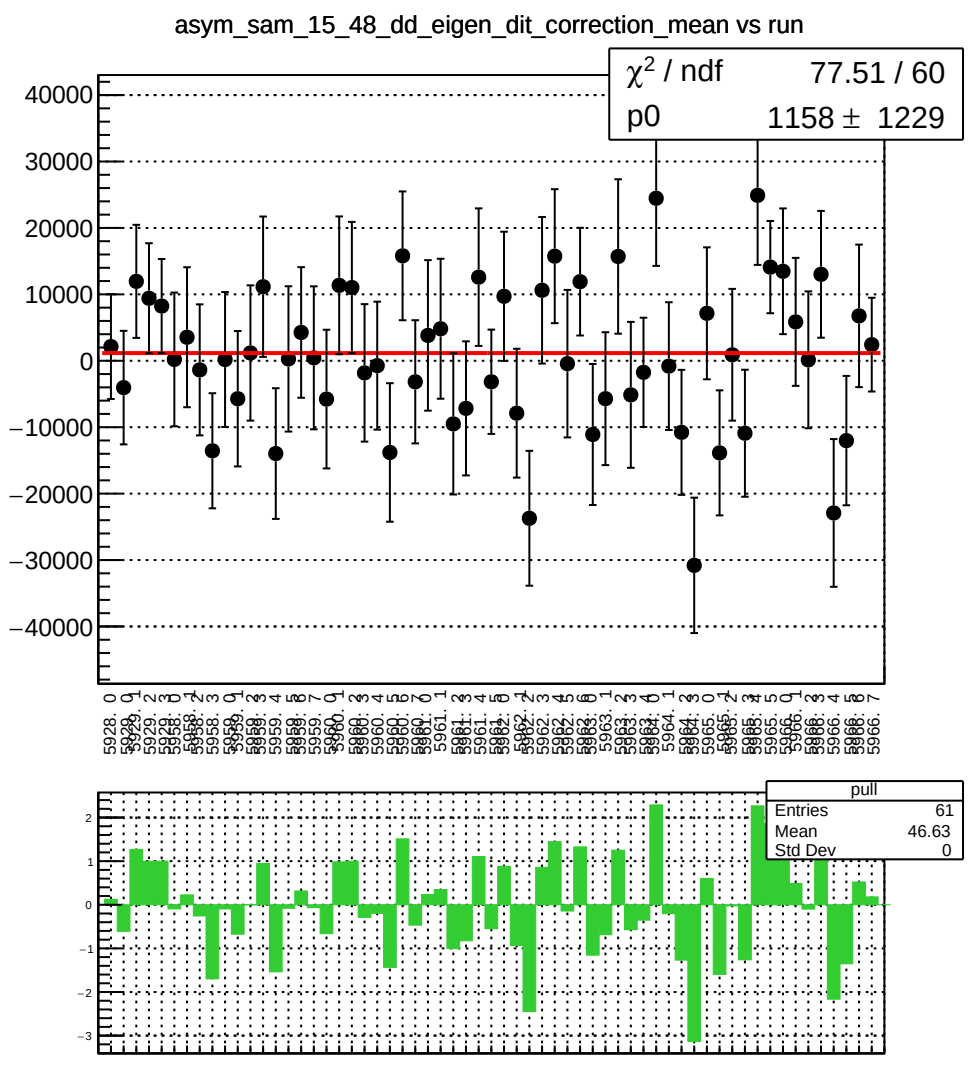

pull1D
Entries 61
Mean −0.02227
Std Dev 1.127

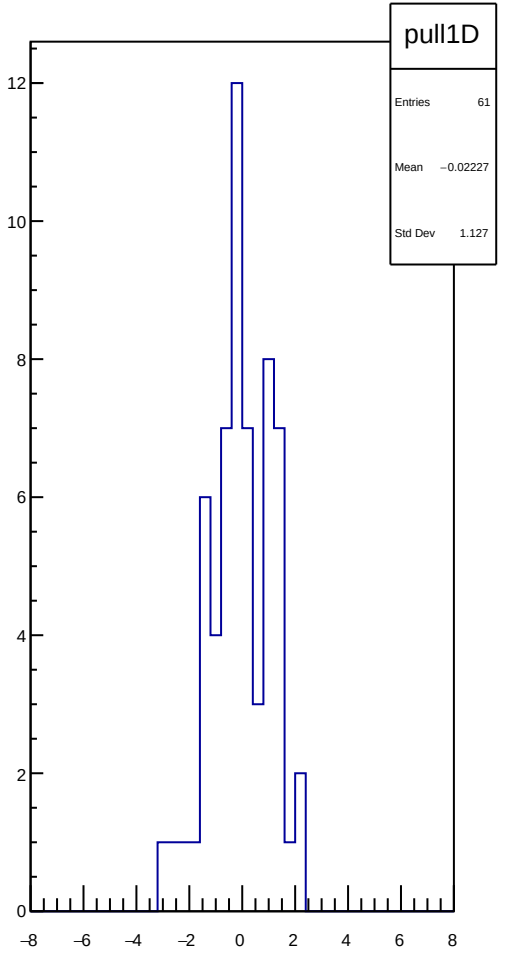

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 6816 / 60
p0 946.1 ± 0.8687
1100
1050
1000
950
900
850
800
750

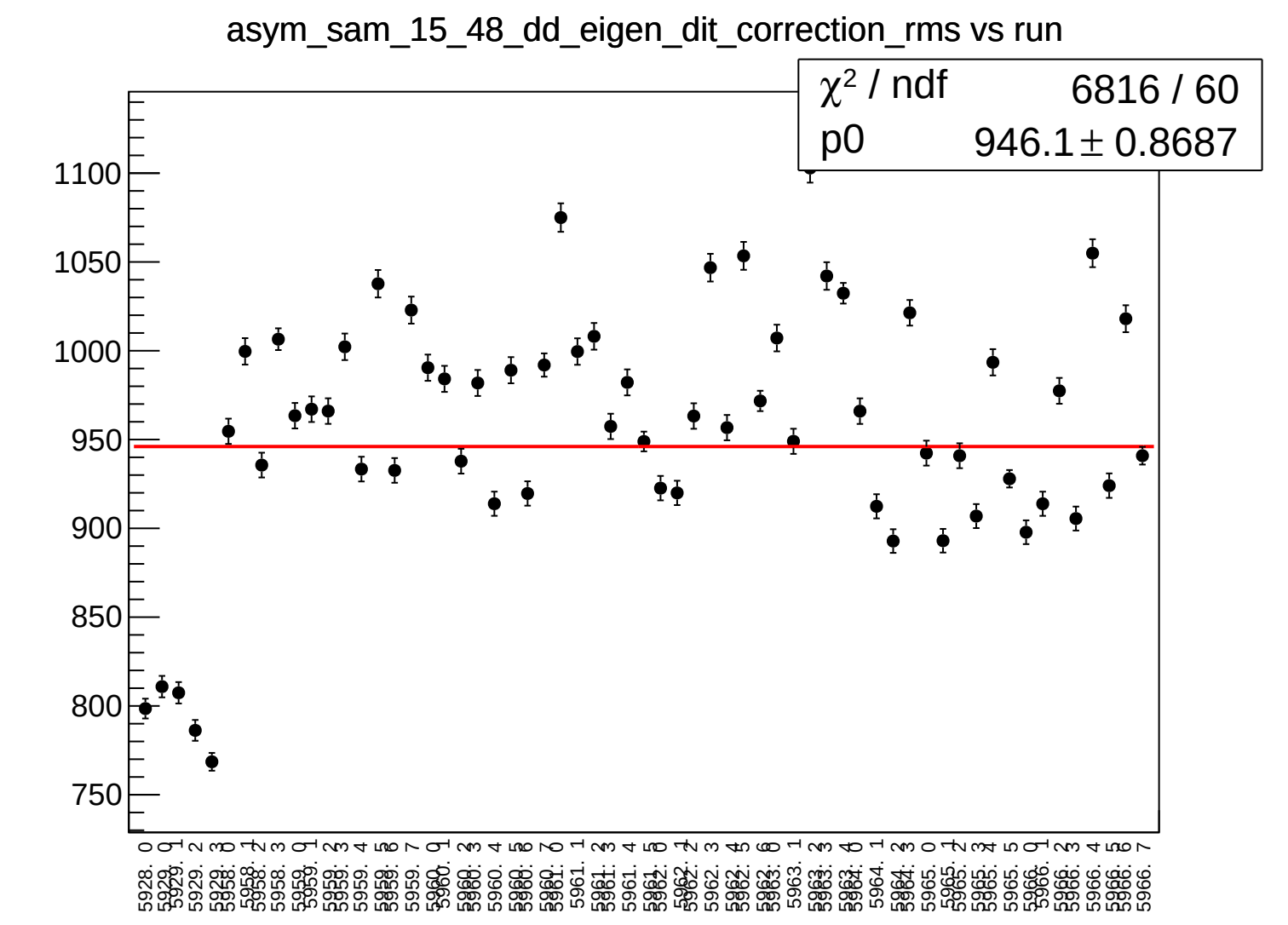

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.38 / 60
p0 −134.4 ± 83.01
2000
1000
0
−1000
−2000
−3000
pull
Entries 61
Mean −136.1
Std Dev 0
2
1
0
−1
−2

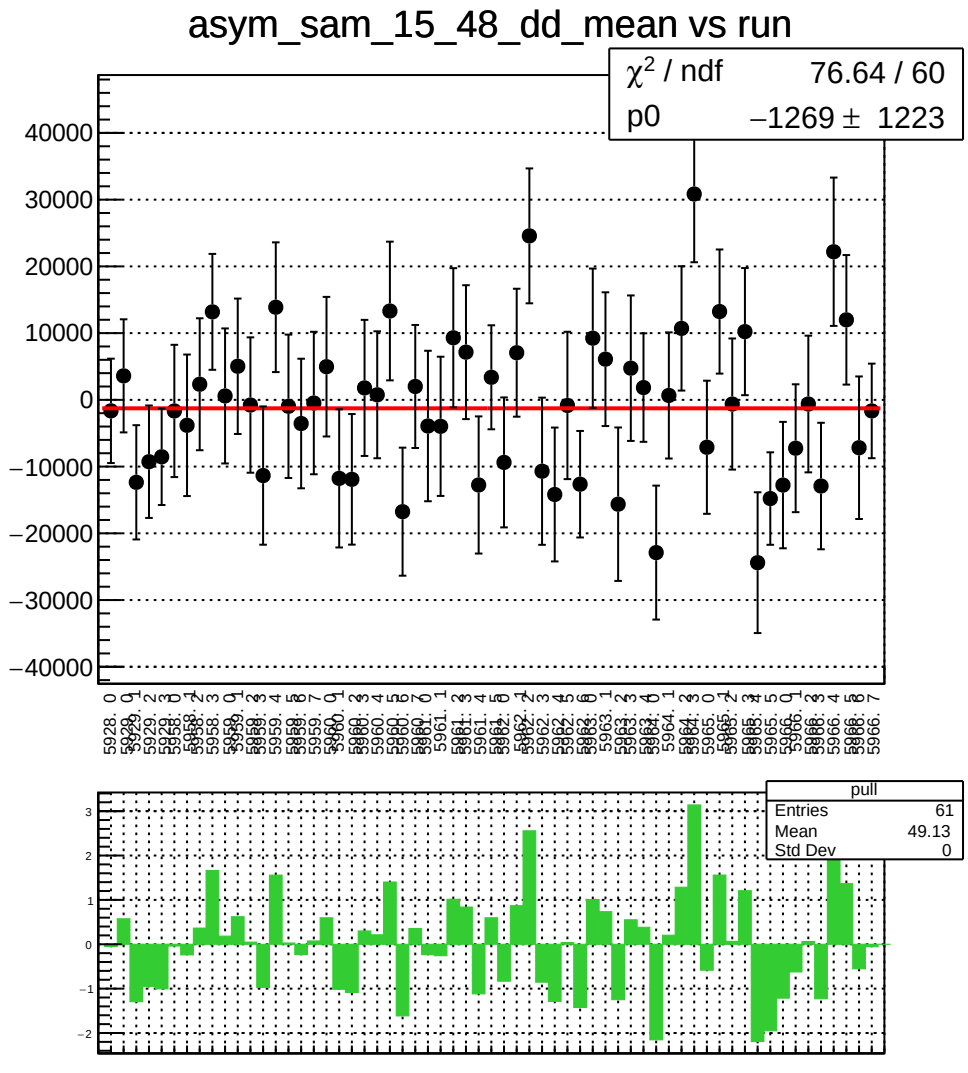

pull1D
Entries 61
Mean −0.005052
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

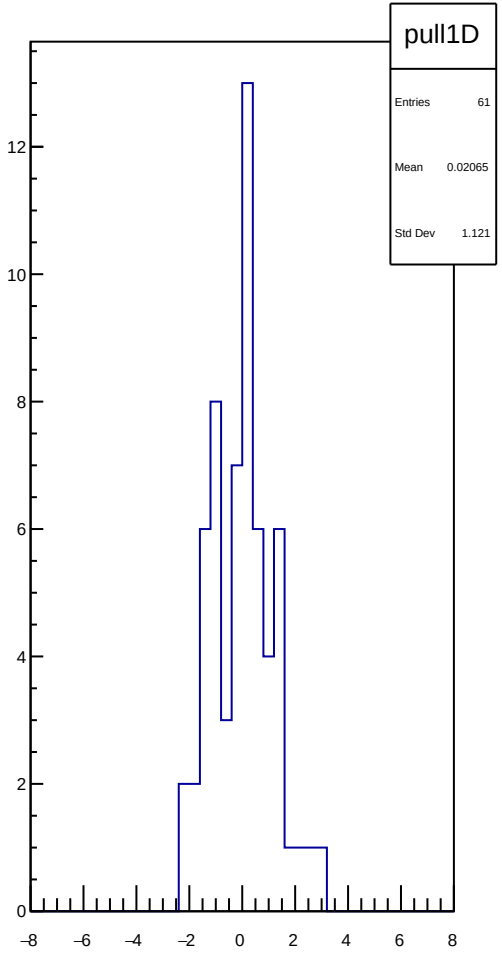

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3585 / 60
p0 64.01 ± 0.0587
85
80
75
70
65
60

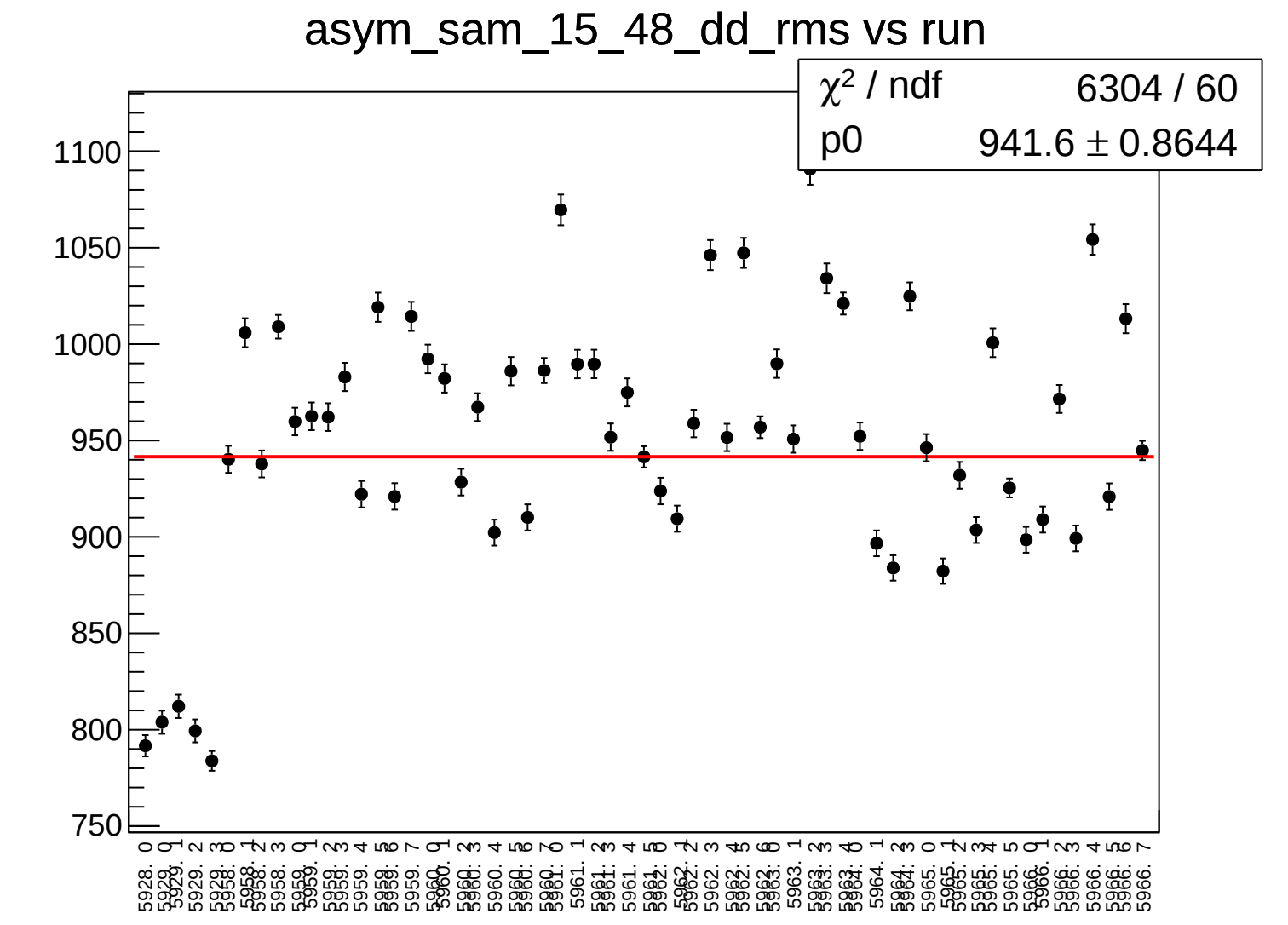

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.51 / 60
p0 1158 ± 1229
pull
Entries 61
Mean 46.63
Std Dev 0

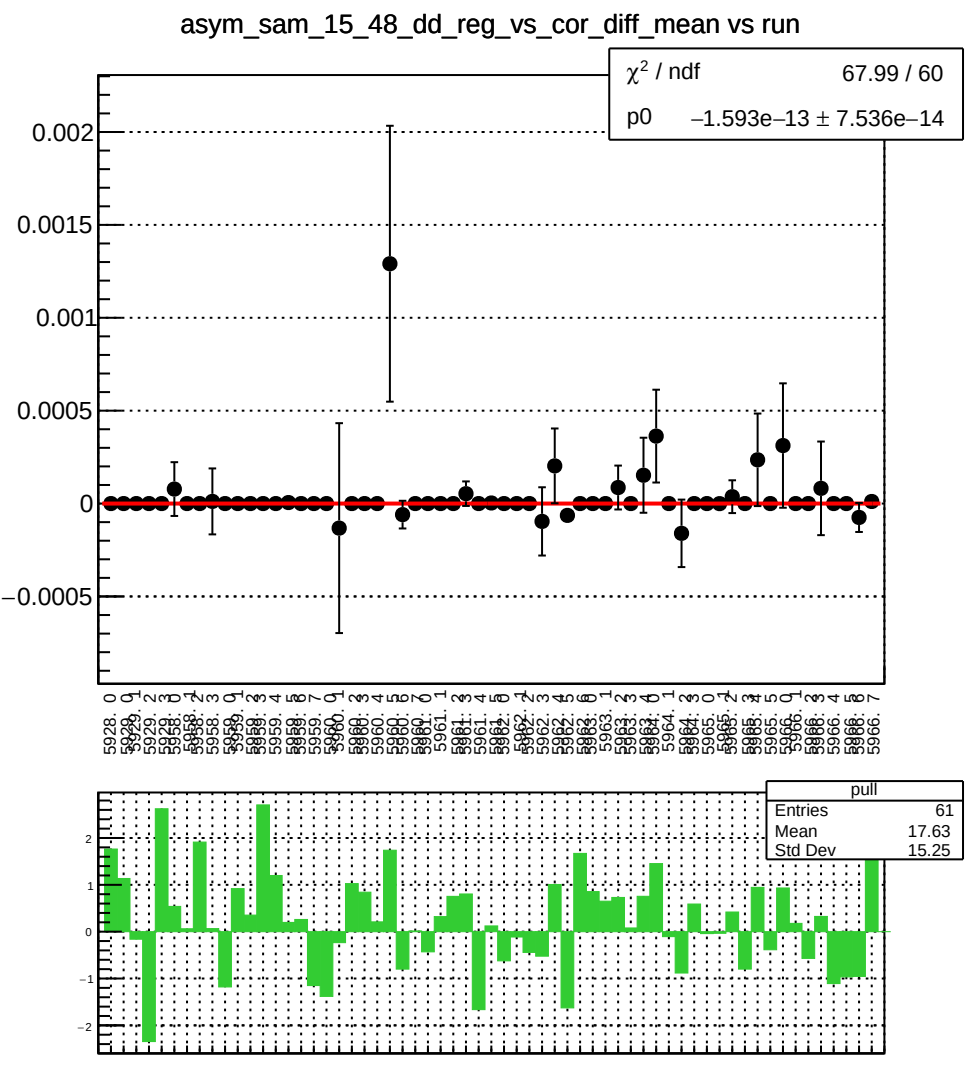

pull1D
Entries 61
Mean −0.02227
Std Dev 1.127

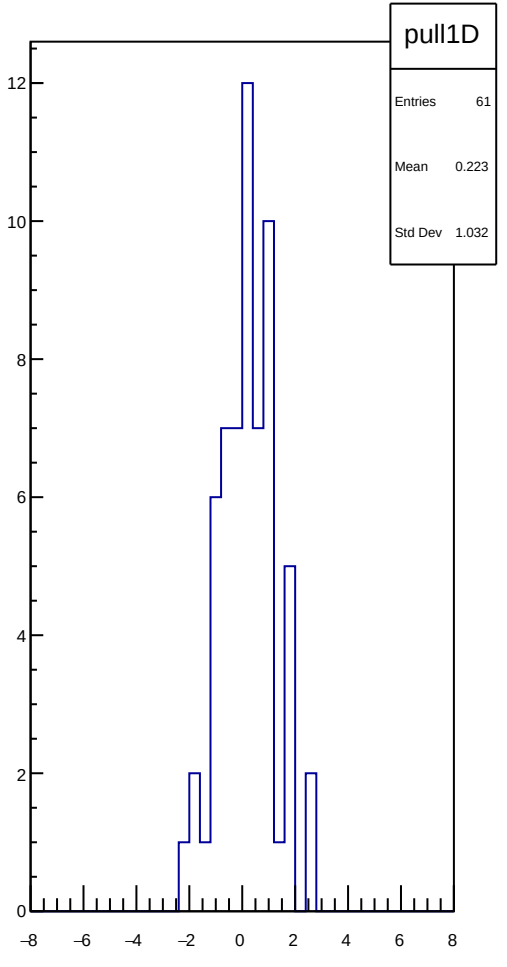

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 6816 / 60
p0 946.1 ± 0.8687
1100
1050
1000
950
900
850
800
750

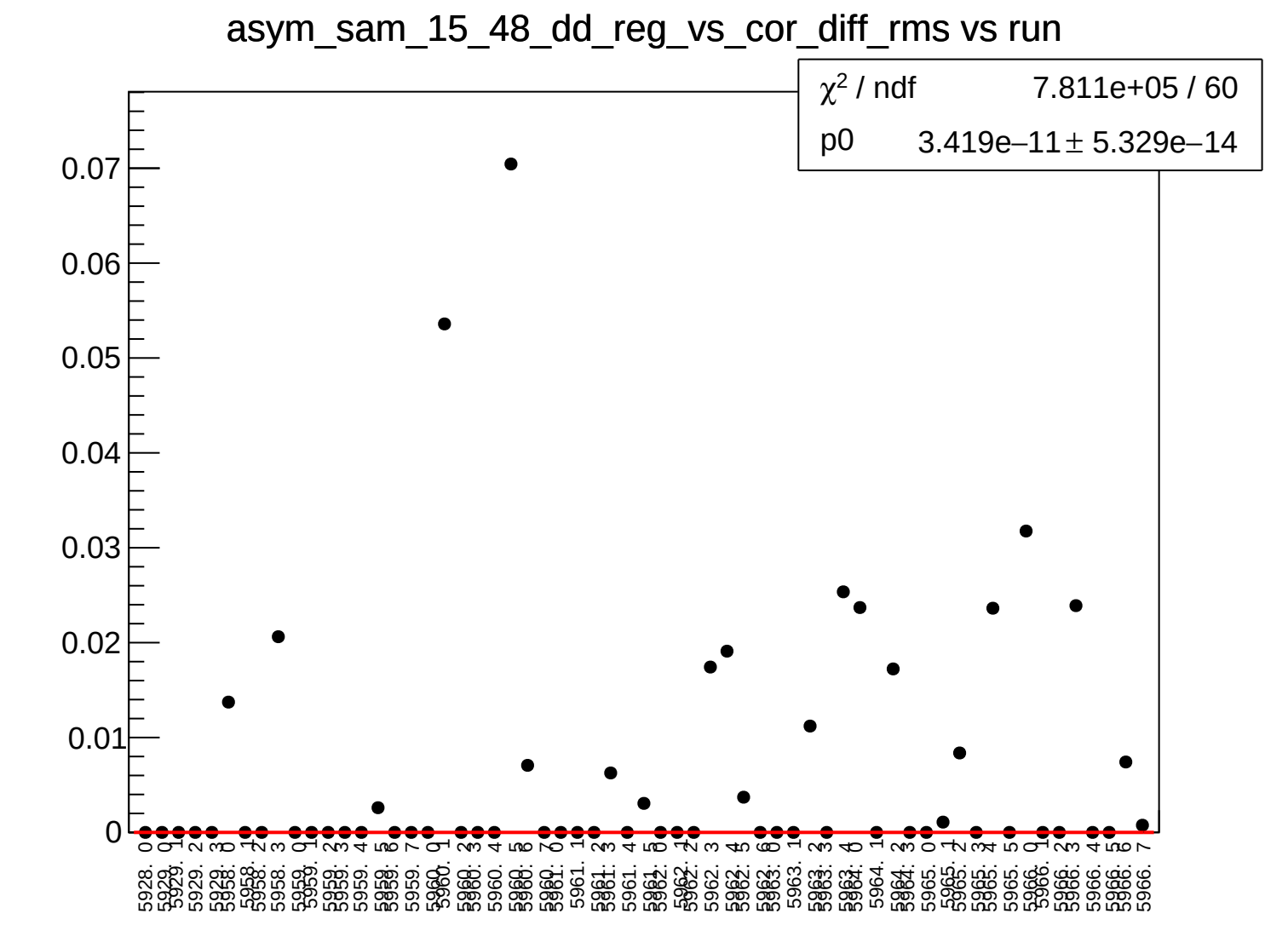

asym_sam_15_48_dd_mean vs run
χ² / ndf 76.64 / 60
p0 −1269 ± 1223
pull
Entries 61
Mean 49.13
Std Dev 0

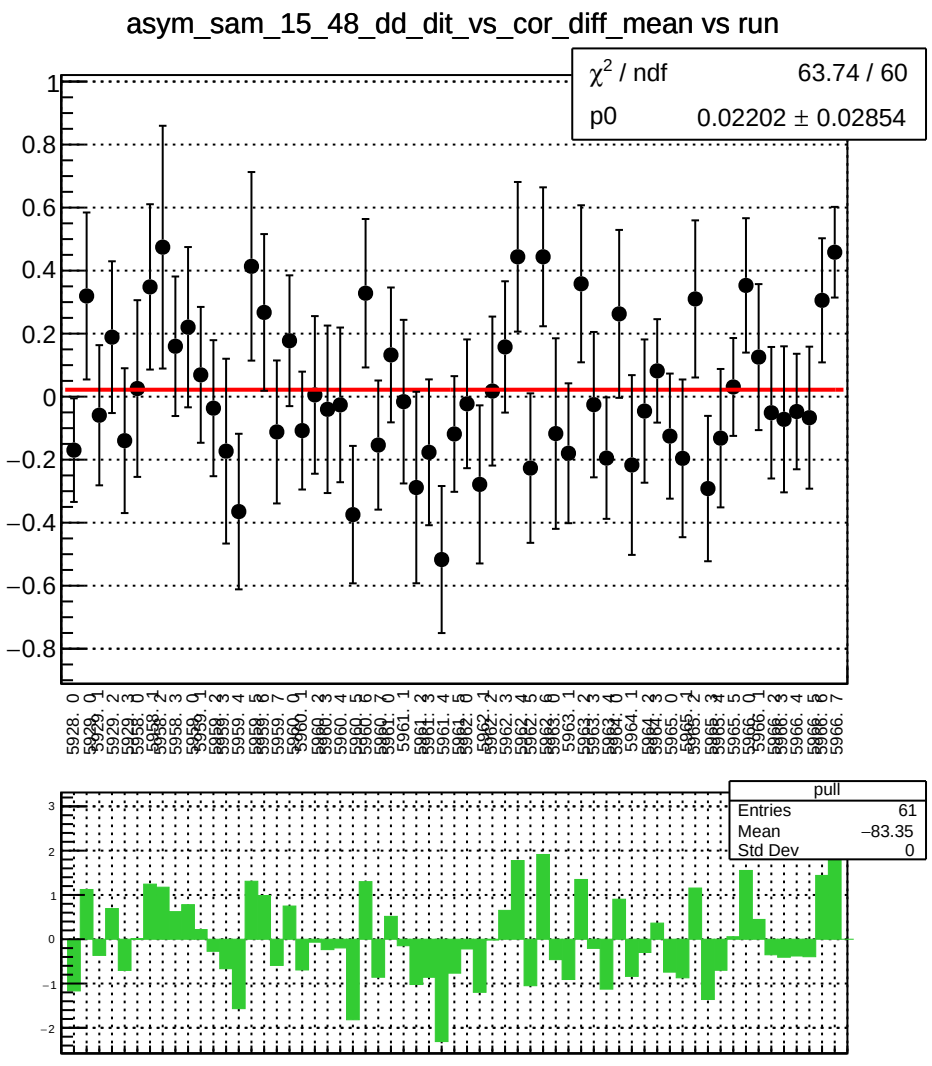

pull1D
Entries 61
Mean 0.02065
Std Dev 1.121

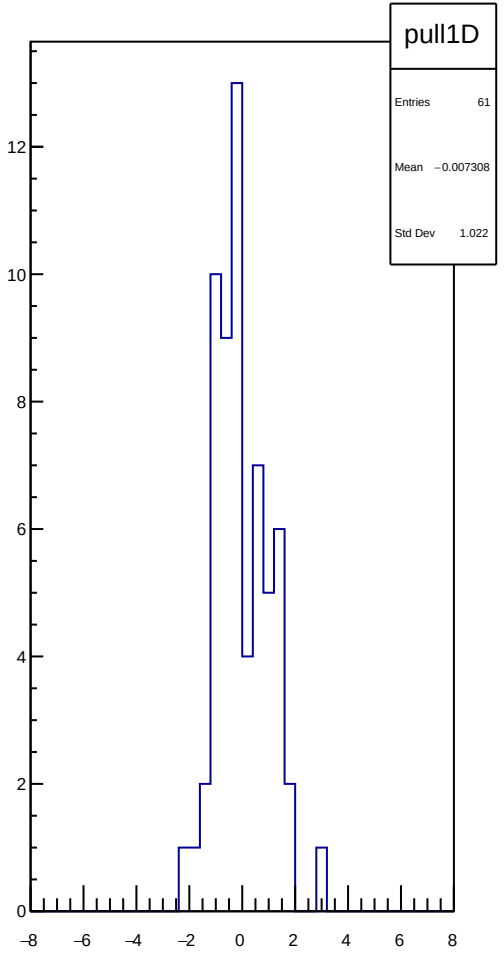

asym_sam_15_48_dd_rms vs run
χ² / ndf 6304 / 60
p0 941.6 ± 0.8644
1100
1050
1000
950
900
850
800
750

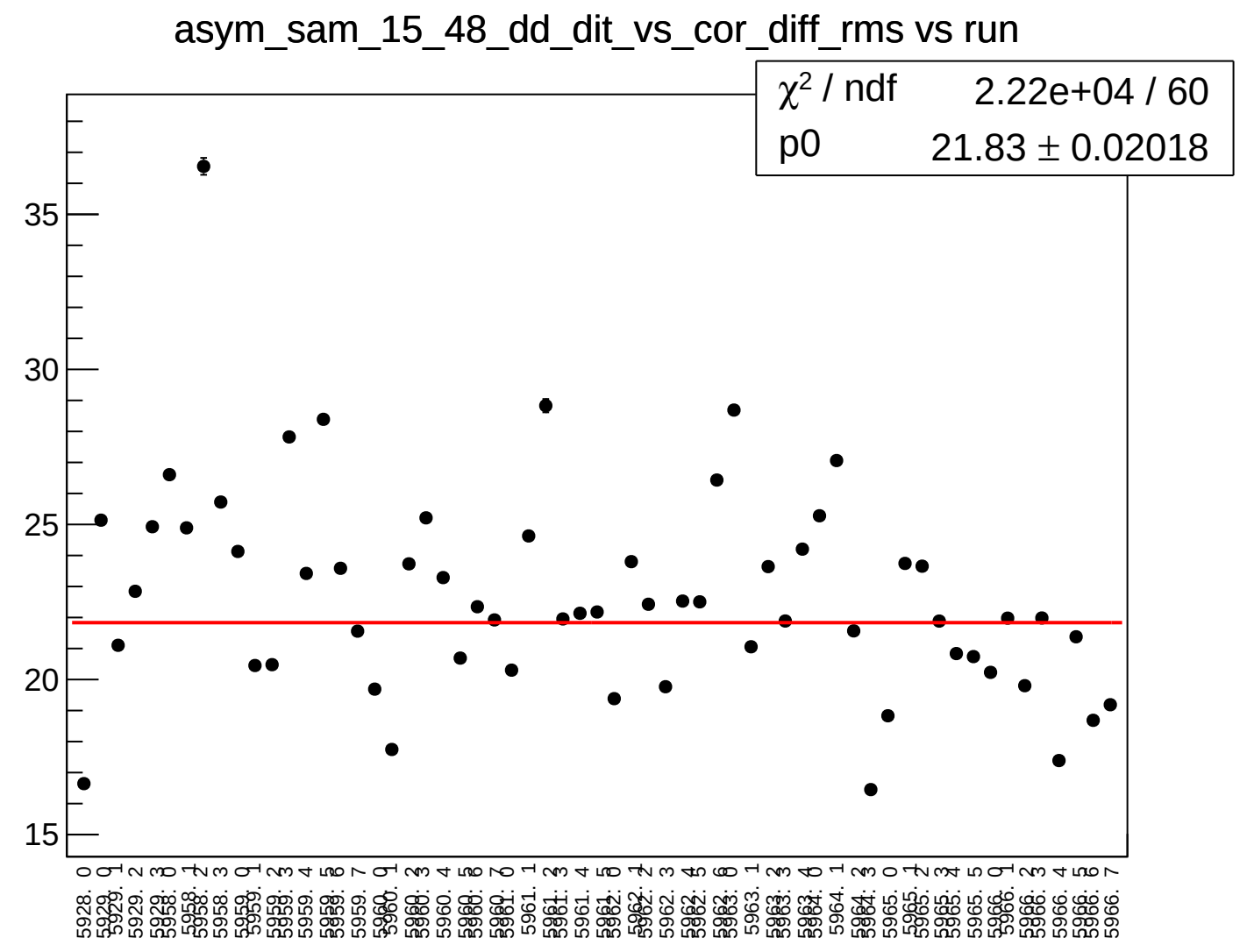

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 67.99 / 60
p0 −1.593e−13 ± 7.536e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 61
Mean 17.63
Std Dev 15.25
2
1
0
−1
−2

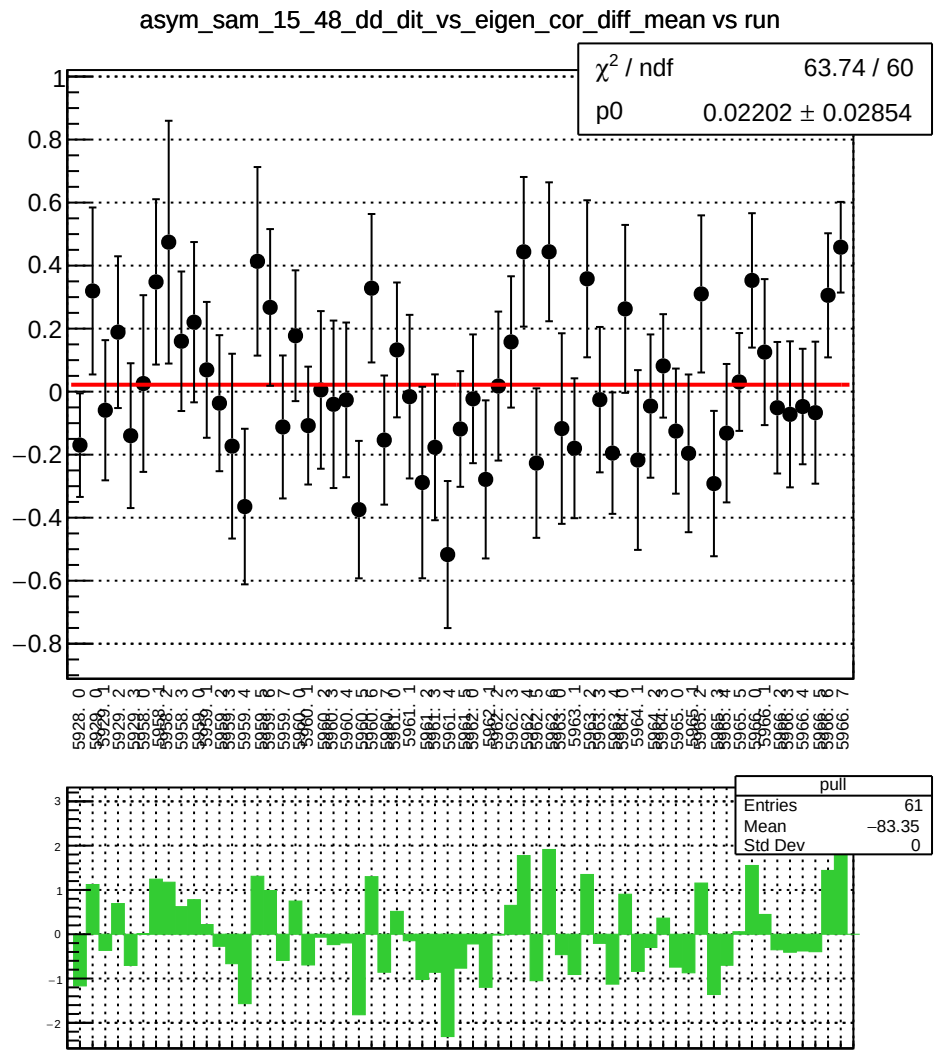

pull1D
Entries 61
Mean 0.223
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

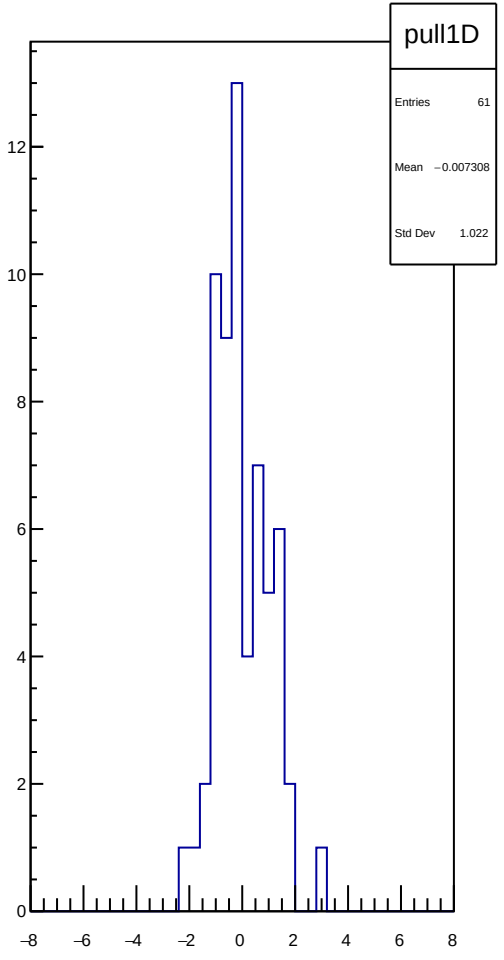

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.811e+05 / 60
p0 3.419e−11 ± 5.329e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

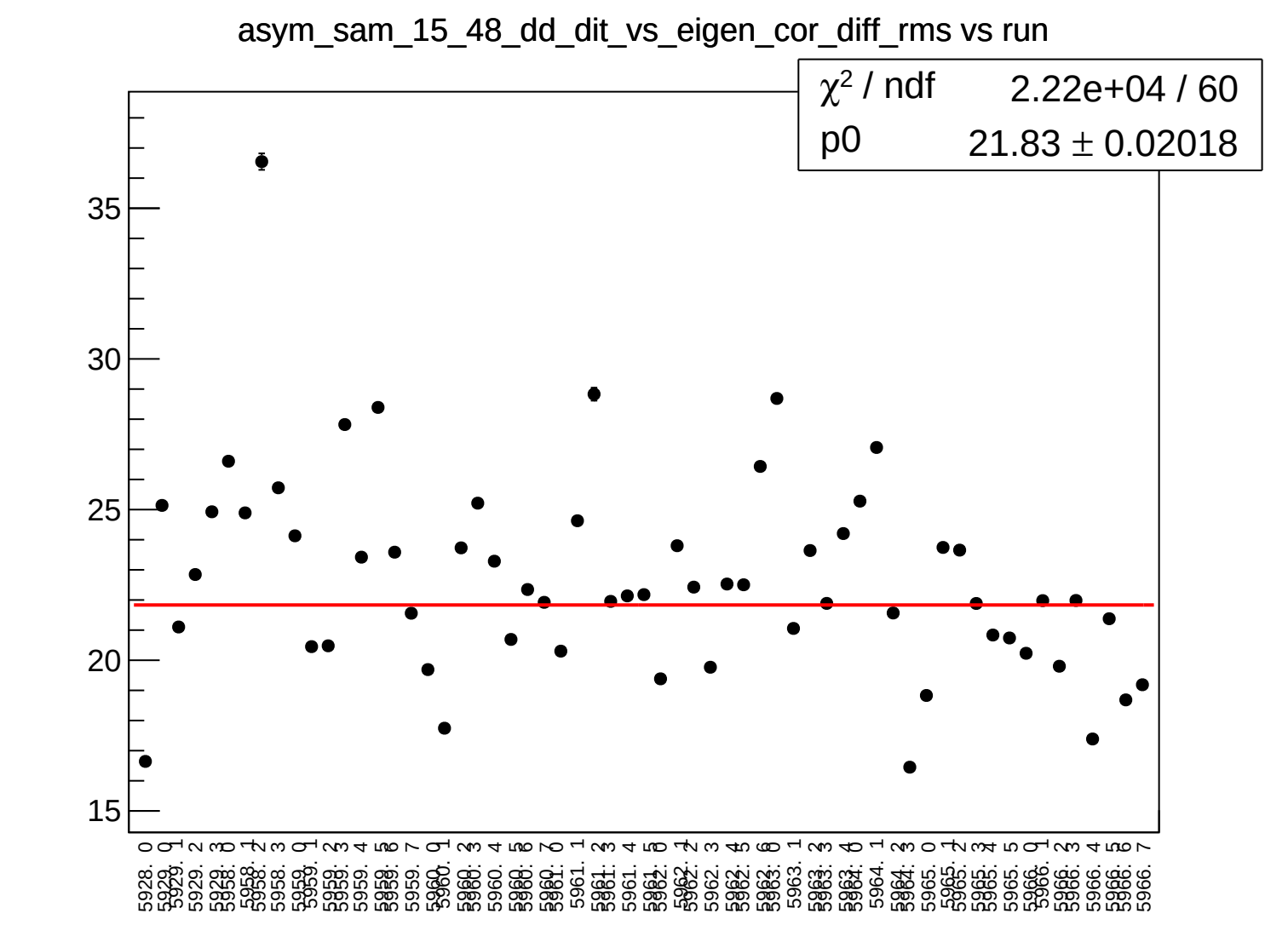

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 63.74 / 60
p0 0.02202 ± 0.02854
pull
Entries 61
Mean −83.35
Std Dev 0

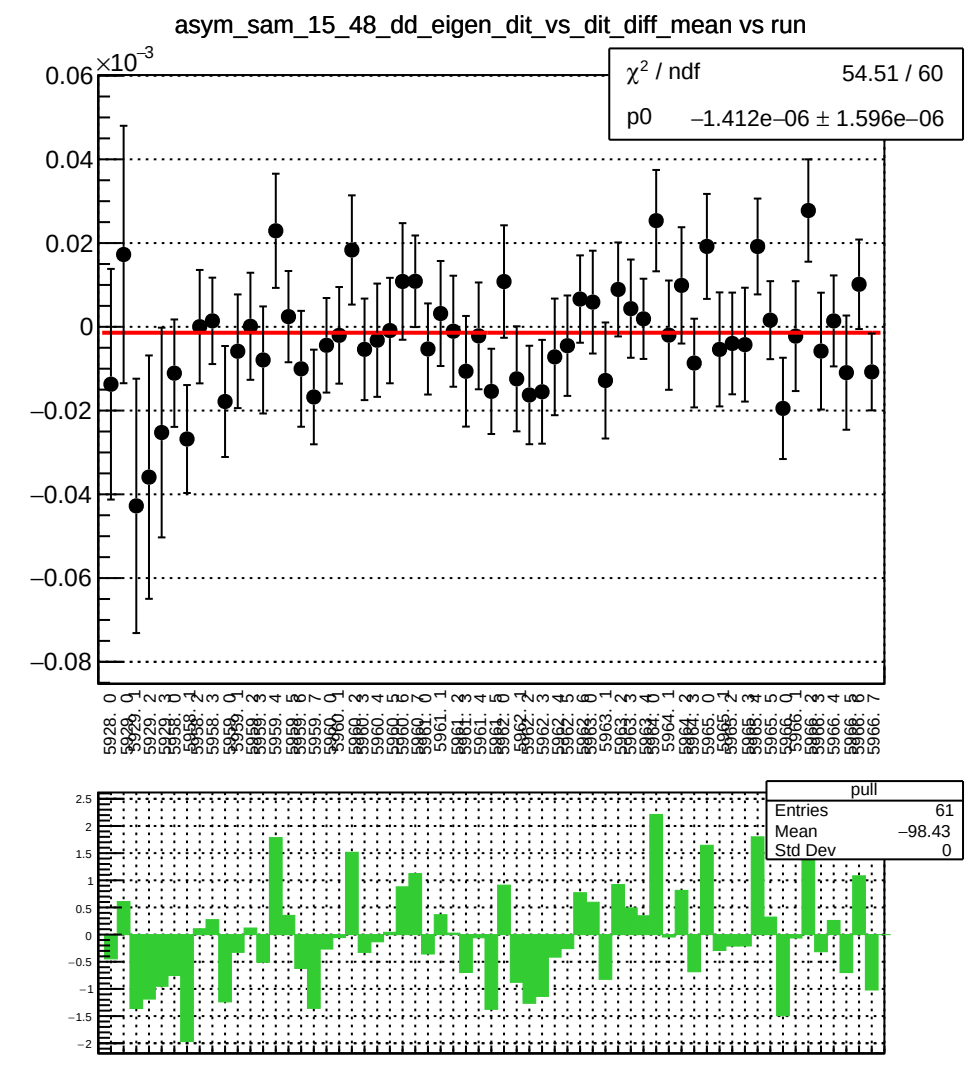

pull1D
Entries 61
Mean −0.007308
Std Dev 1.022

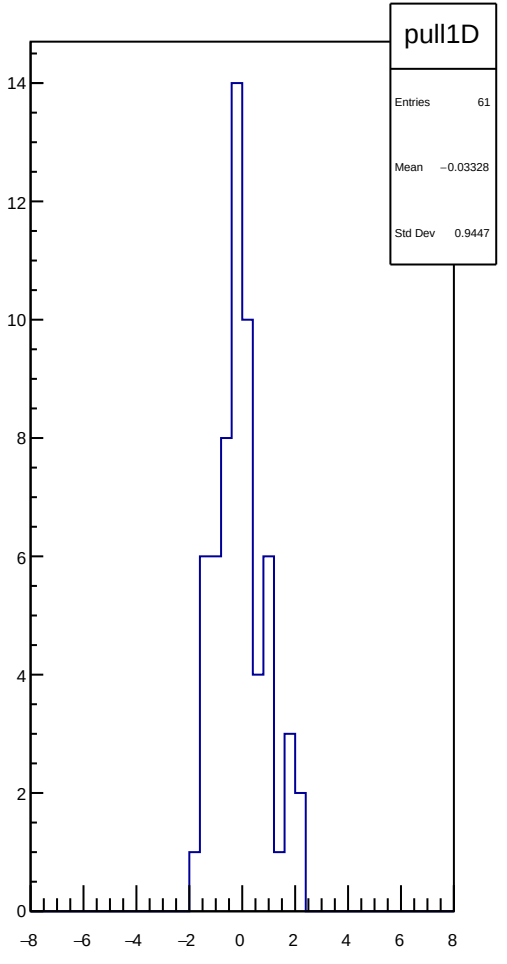

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 60
p0 21.83 ± 0.02018
35
30
25
20
15

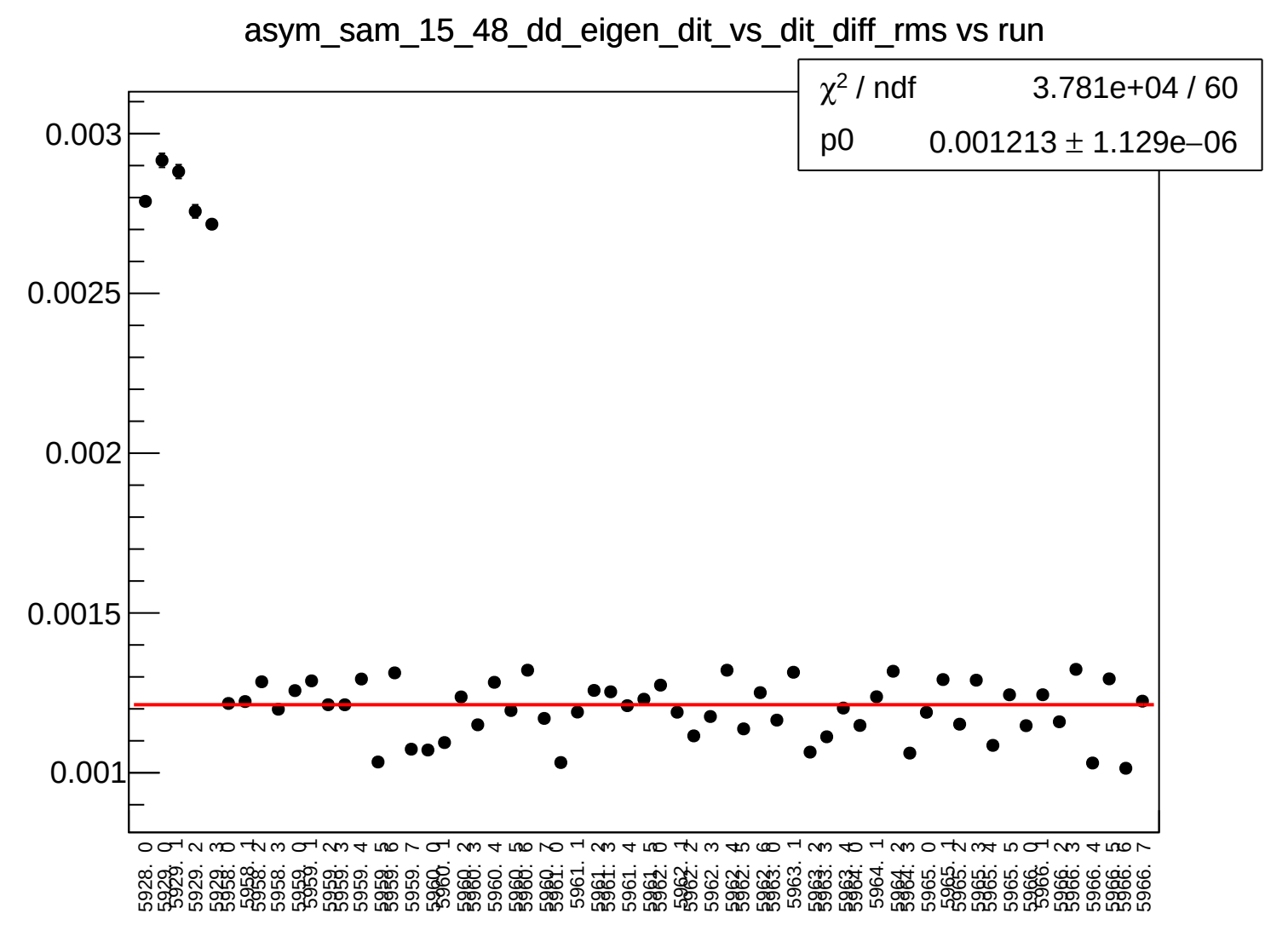

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.74 / 60
p0 0.02202 ± 0.02854
pull
Entries 61
Mean −83.35
Std Dev 0

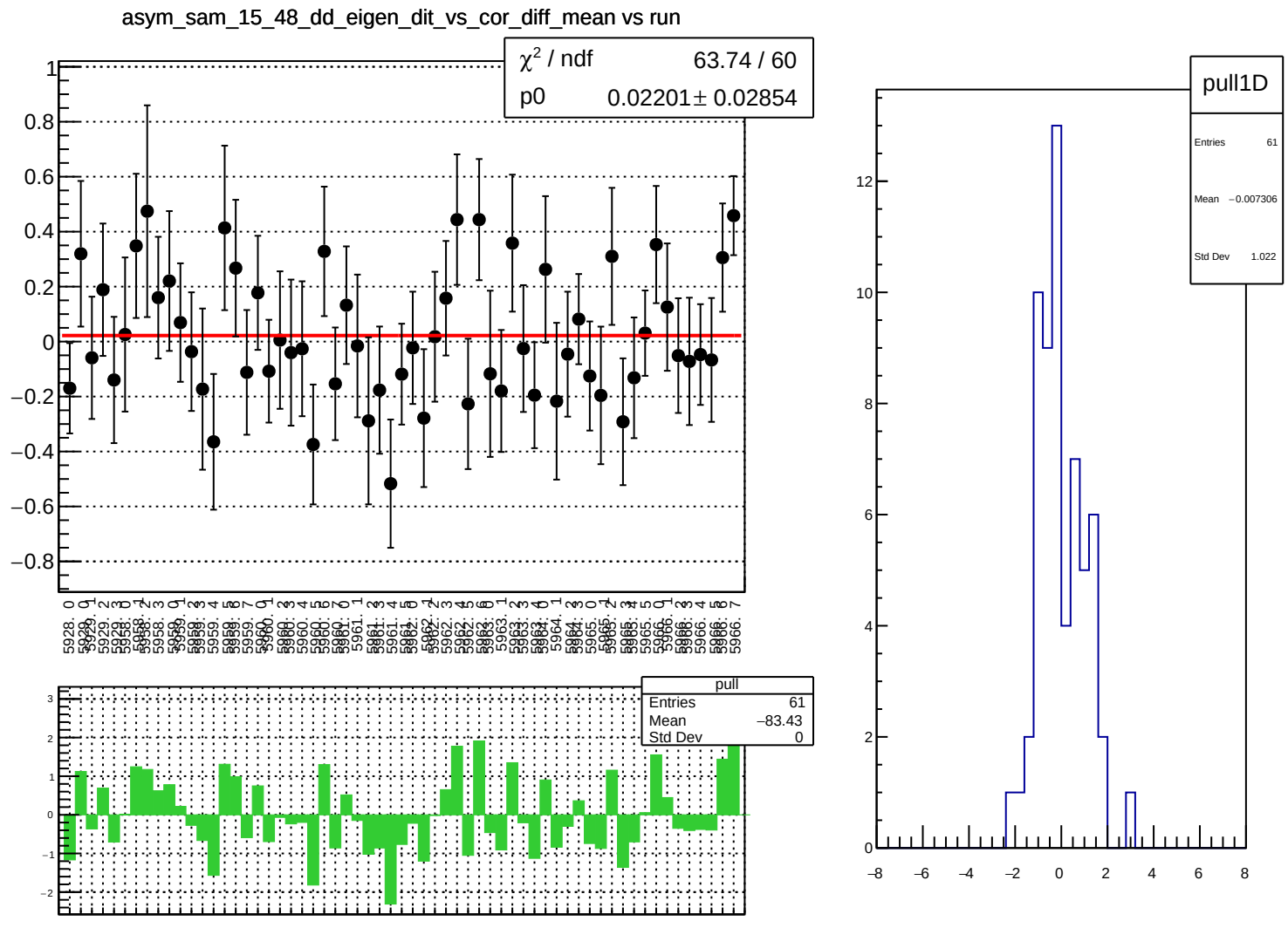

pull1D
Entries 61
Mean −0.007308
Std Dev 1.022

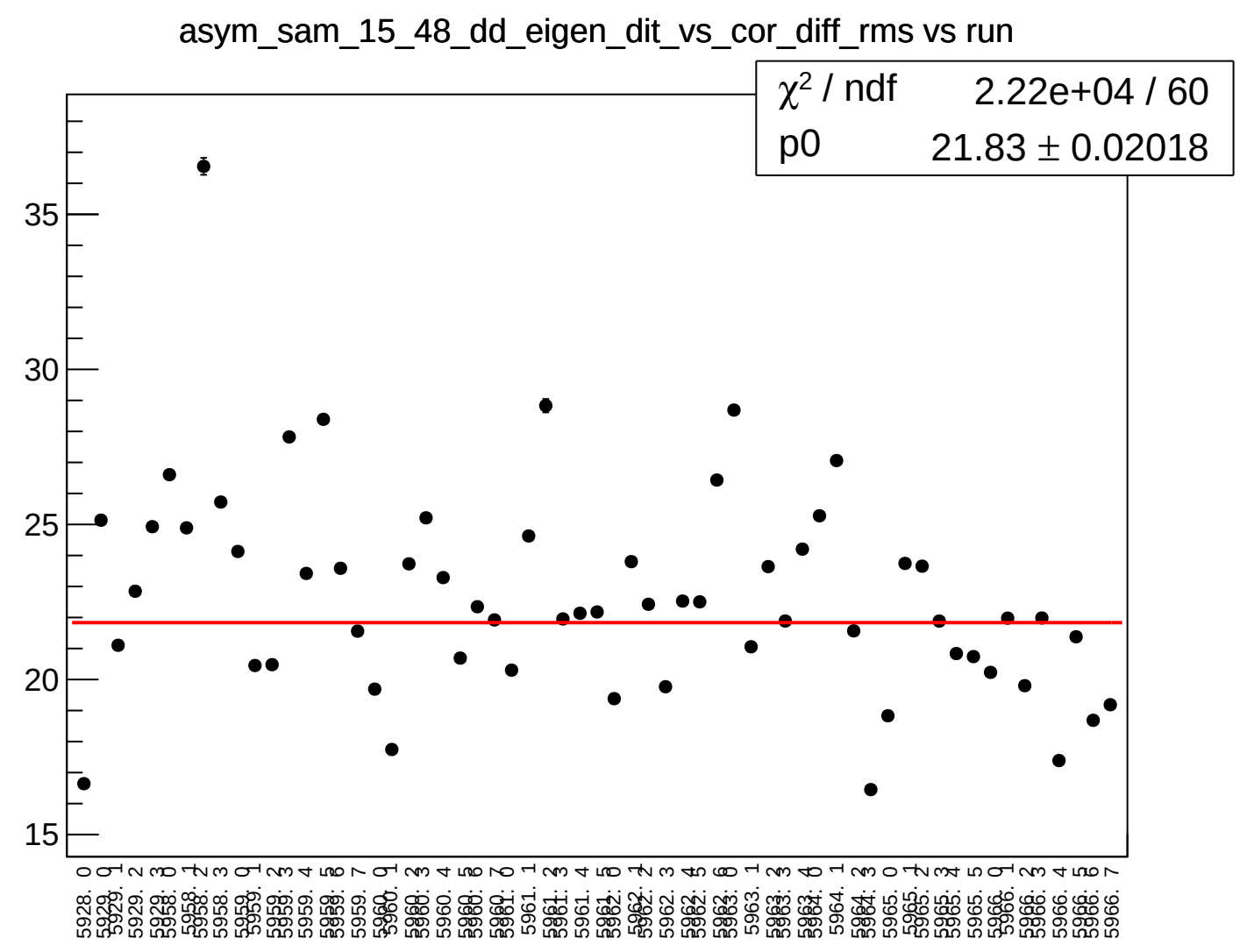

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 60
p0 21.83 ± 0.02018
35
30
25
20
15

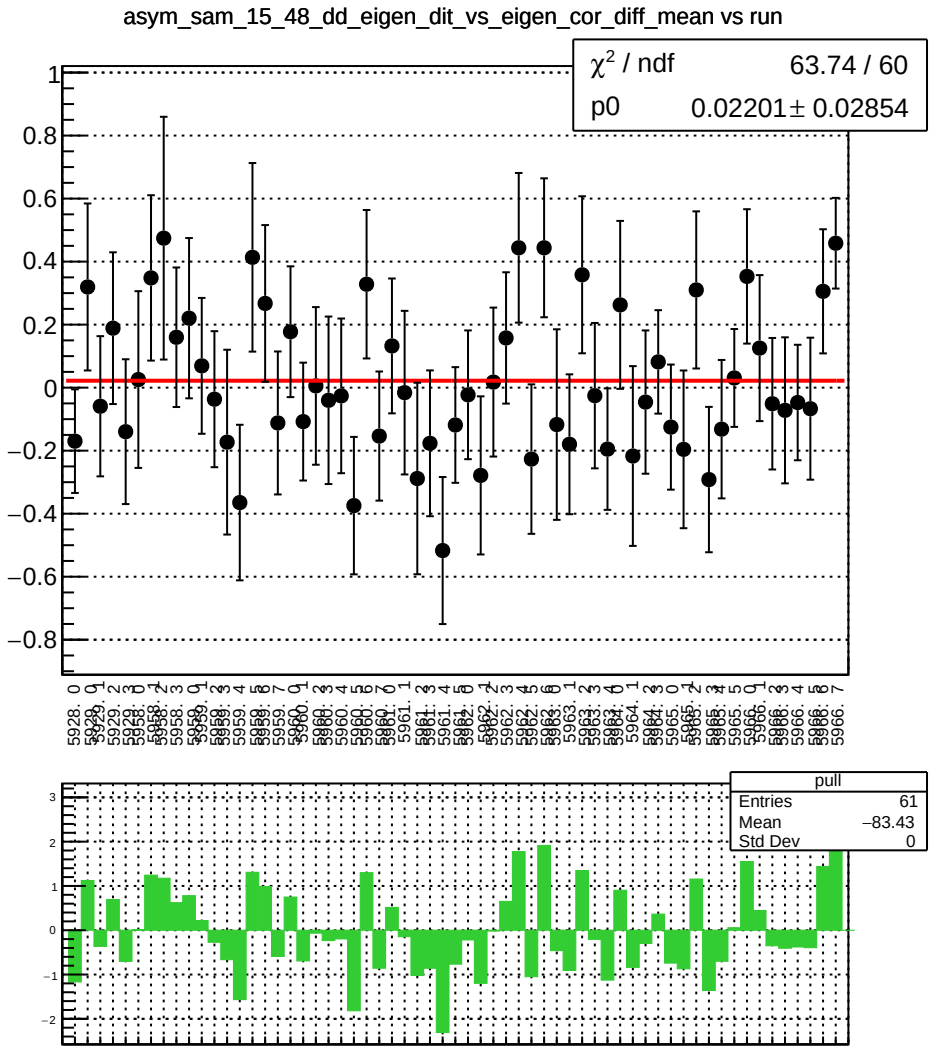

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.51 / 60
p0 −1.412e−06 ± 1.596e−06
pull
Entries 61
Mean −98.43
Std Dev 0

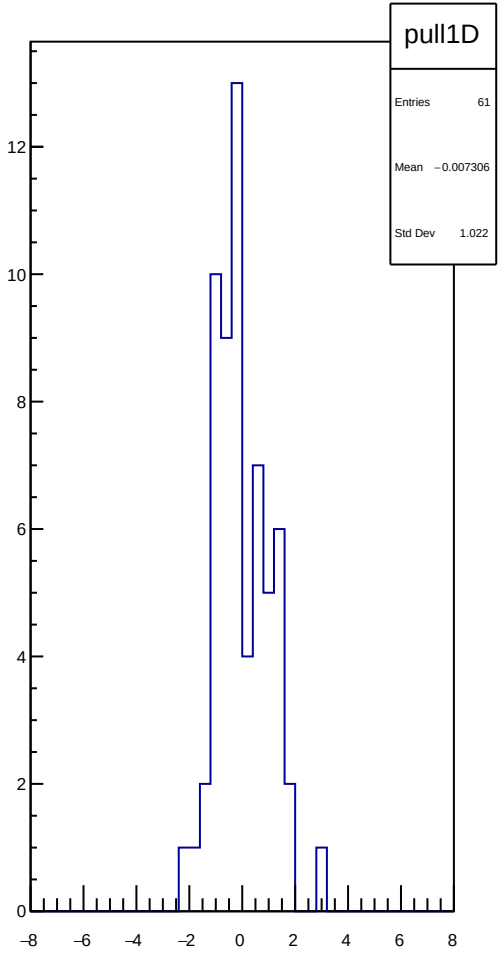

pull1D
Entries 61
Mean −0.03328
Std Dev 0.9447

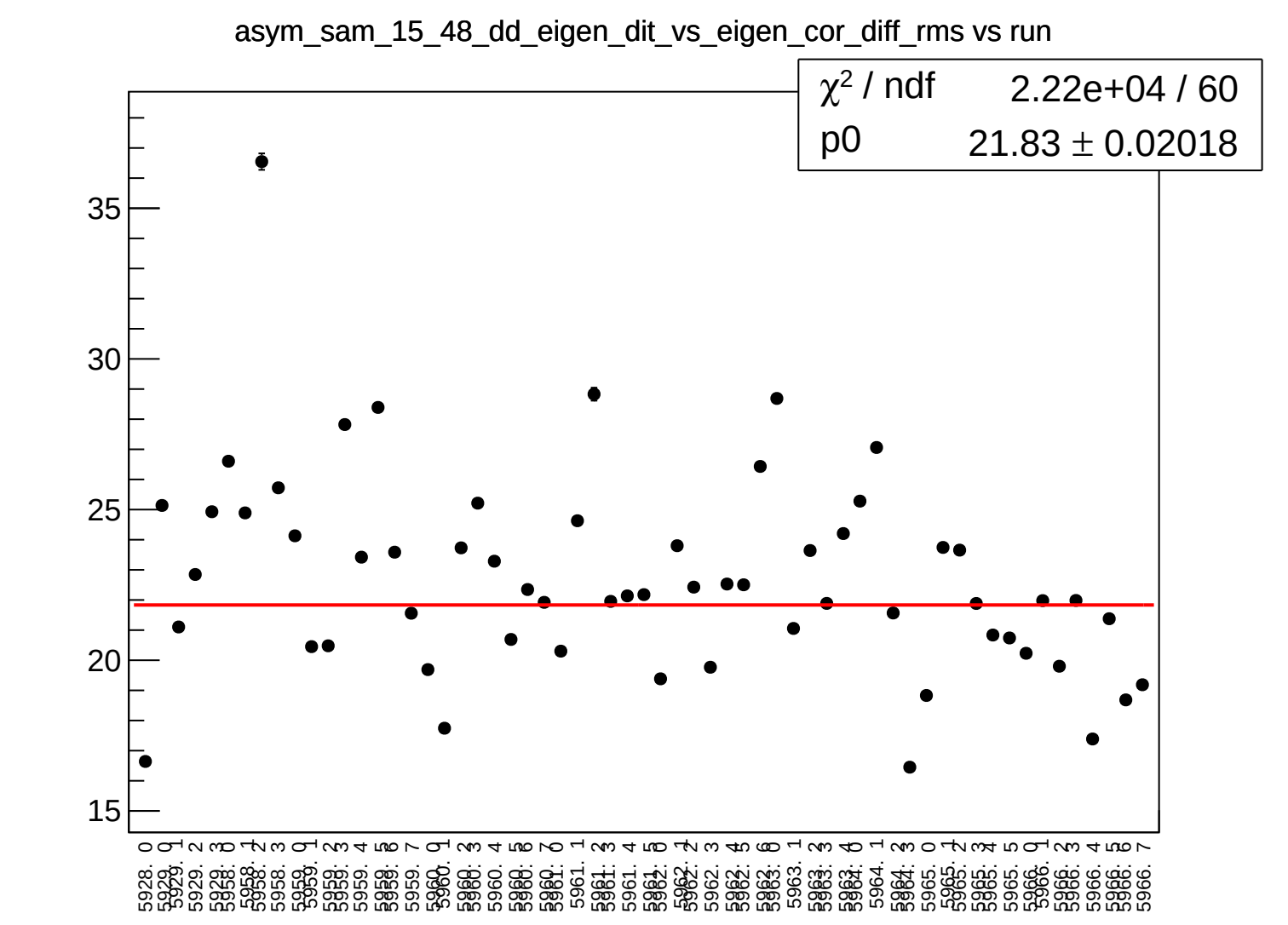

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.781e+04 / 60
p0 0.001213 ± 1.129e−06
0.003
0.0025
0.002
0.0015
0.001

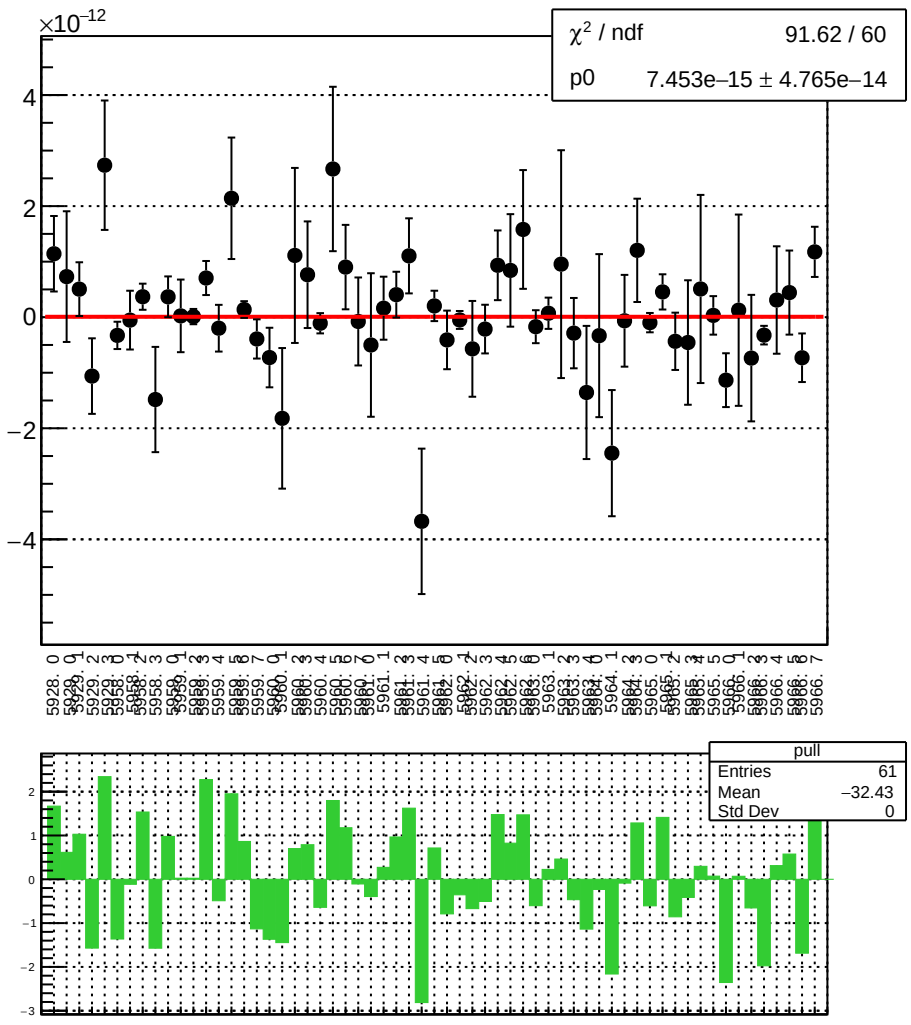

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.74 / 60
p0 0.02201 ± 0.02854
pull
Entries 61
Mean −83.43
Std Dev 0
pull1D
Entries 61
Mean −0.007306
Std Dev 1.022

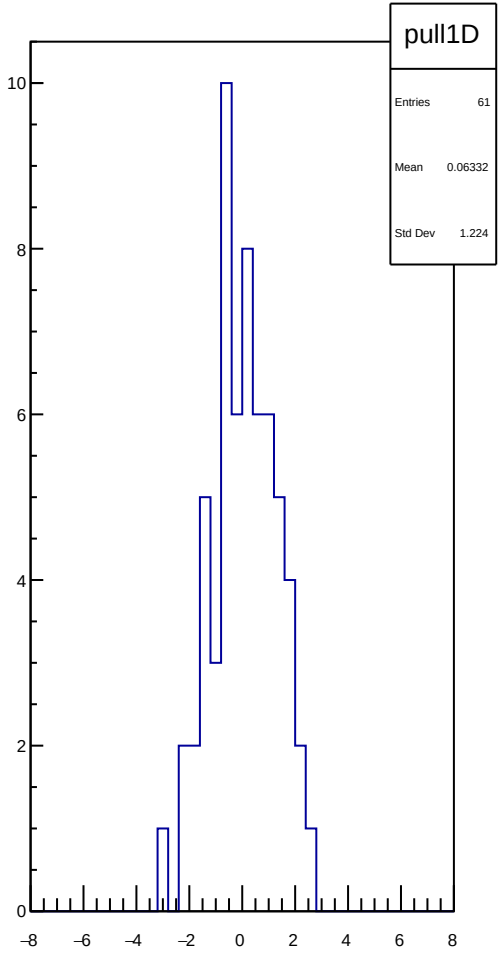

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 60
p0 21.83 ± 0.02018
35
30
25
20
15

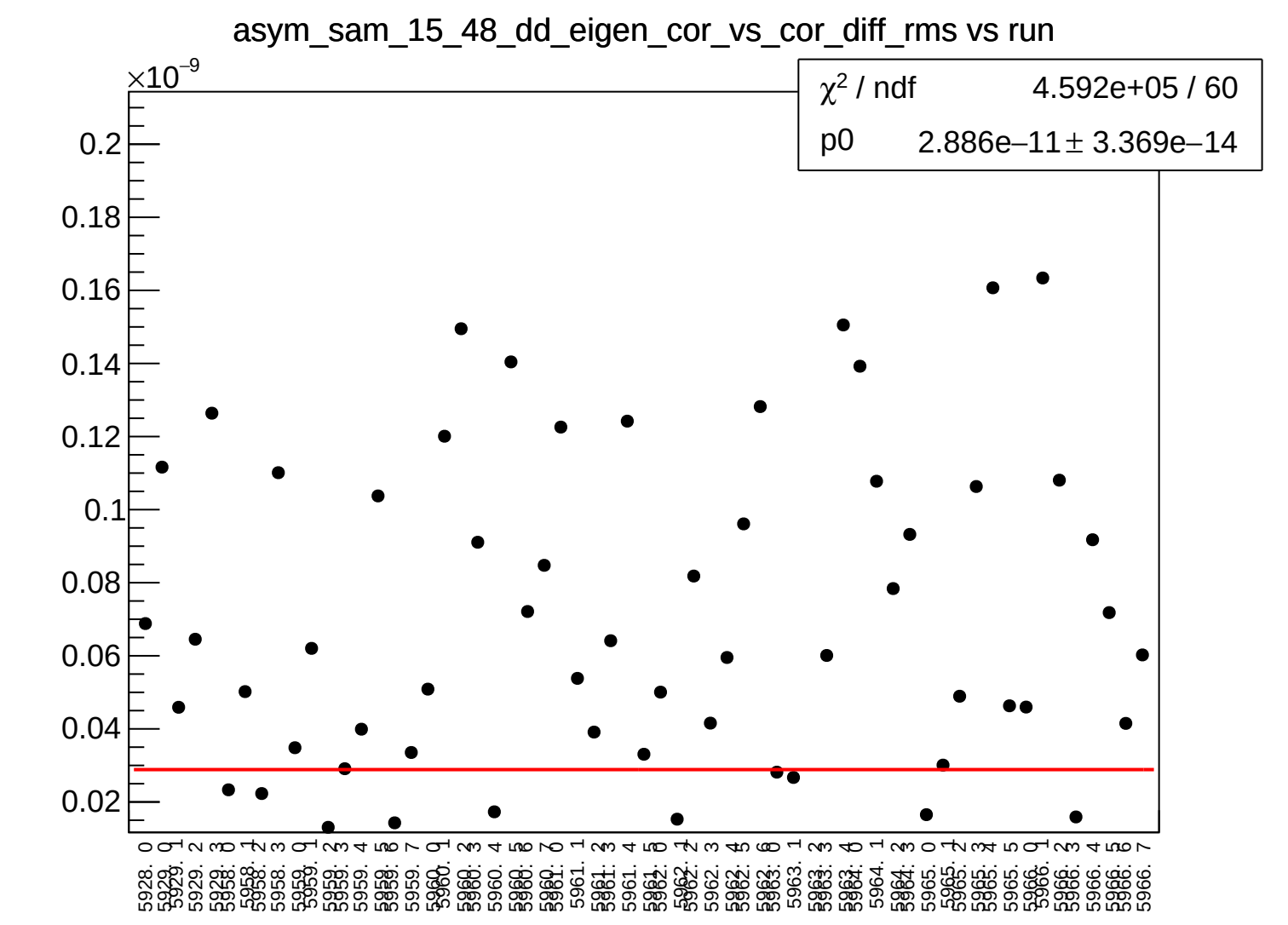

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.74 / 60
p0 0.02201 ± 0.02854
pull
Entries 61
Mean −83.43
Std Dev 0

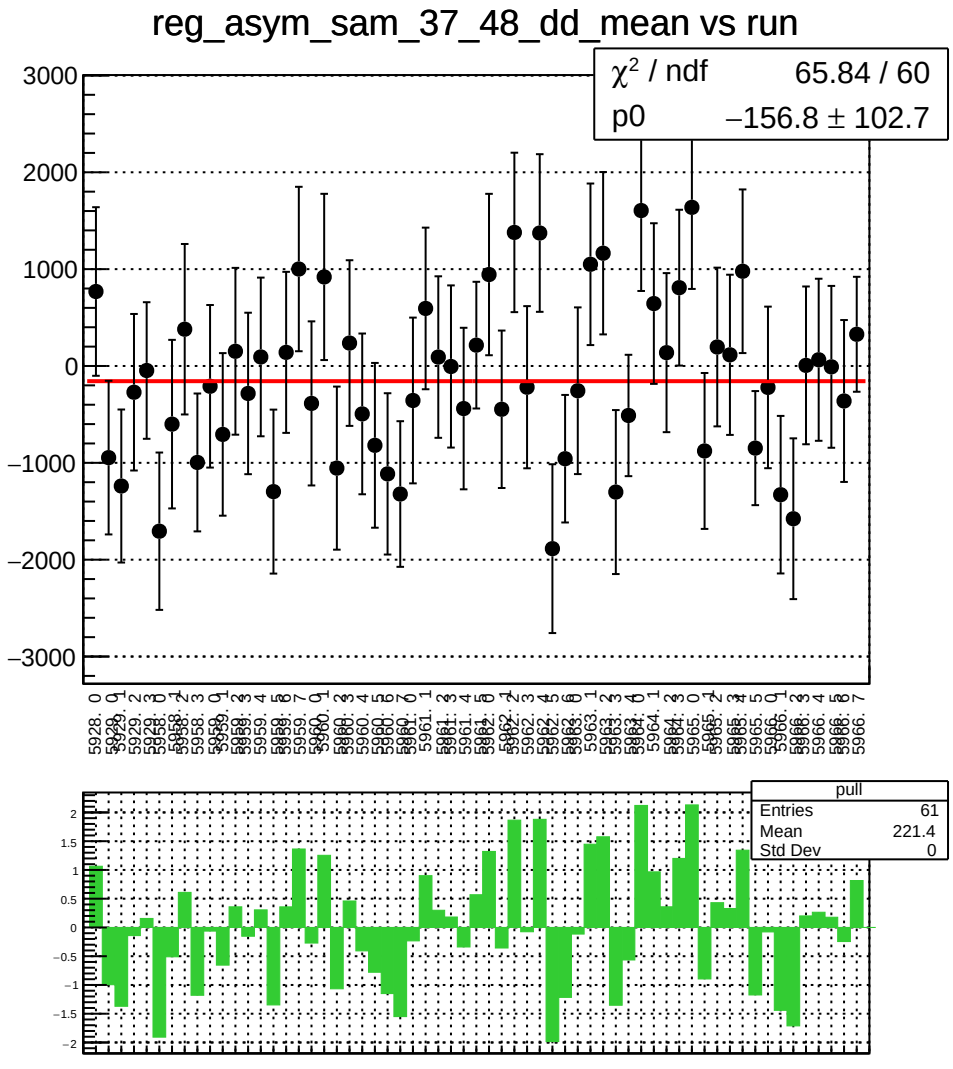

pull1D
Entries 61
Mean −0.007306
Std Dev 1.022

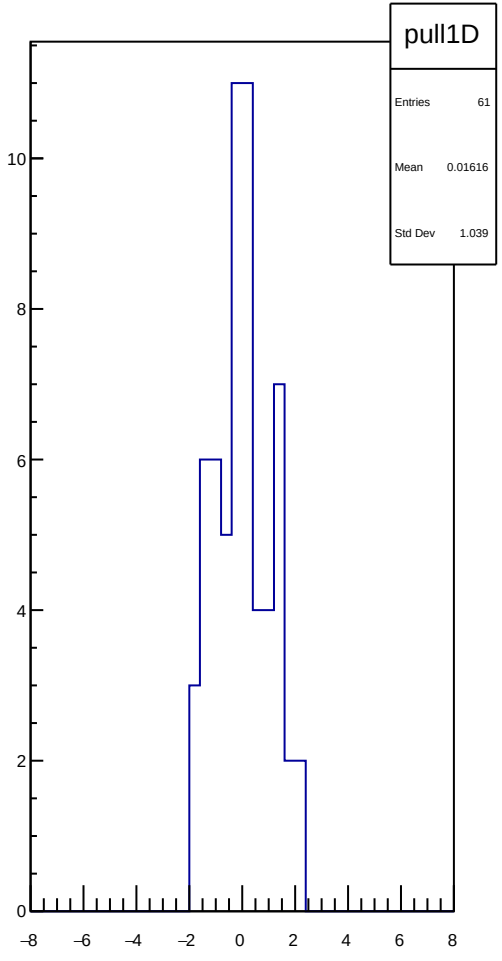

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.22e+04 / 60
p0 21.83 ± 0.02018
35
30
25
20
15

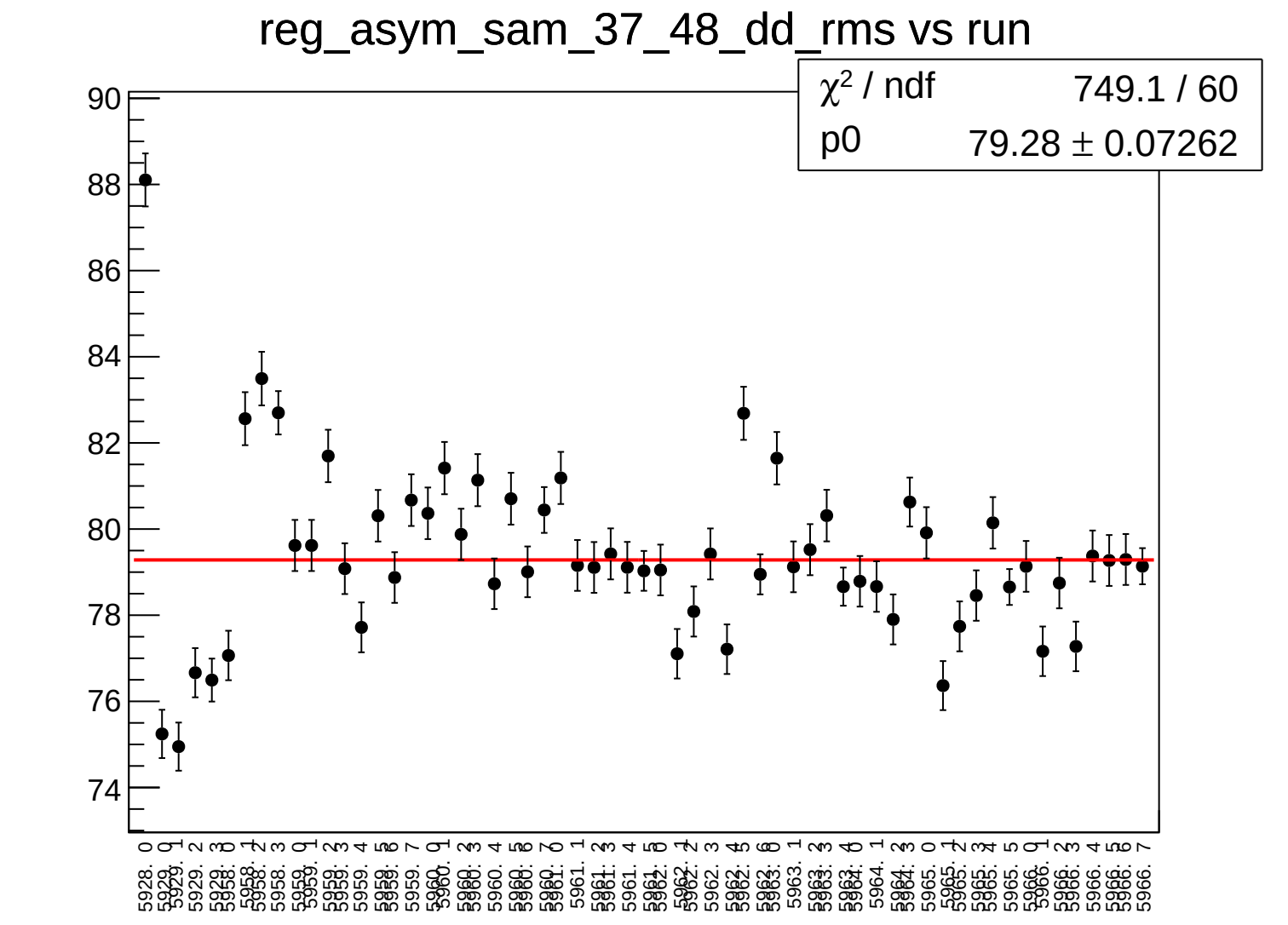

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.62 / 60
p0 7.453e−15 ± 4.765e−14
pull
Entries 61
Mean −32.43
Std Dev 0

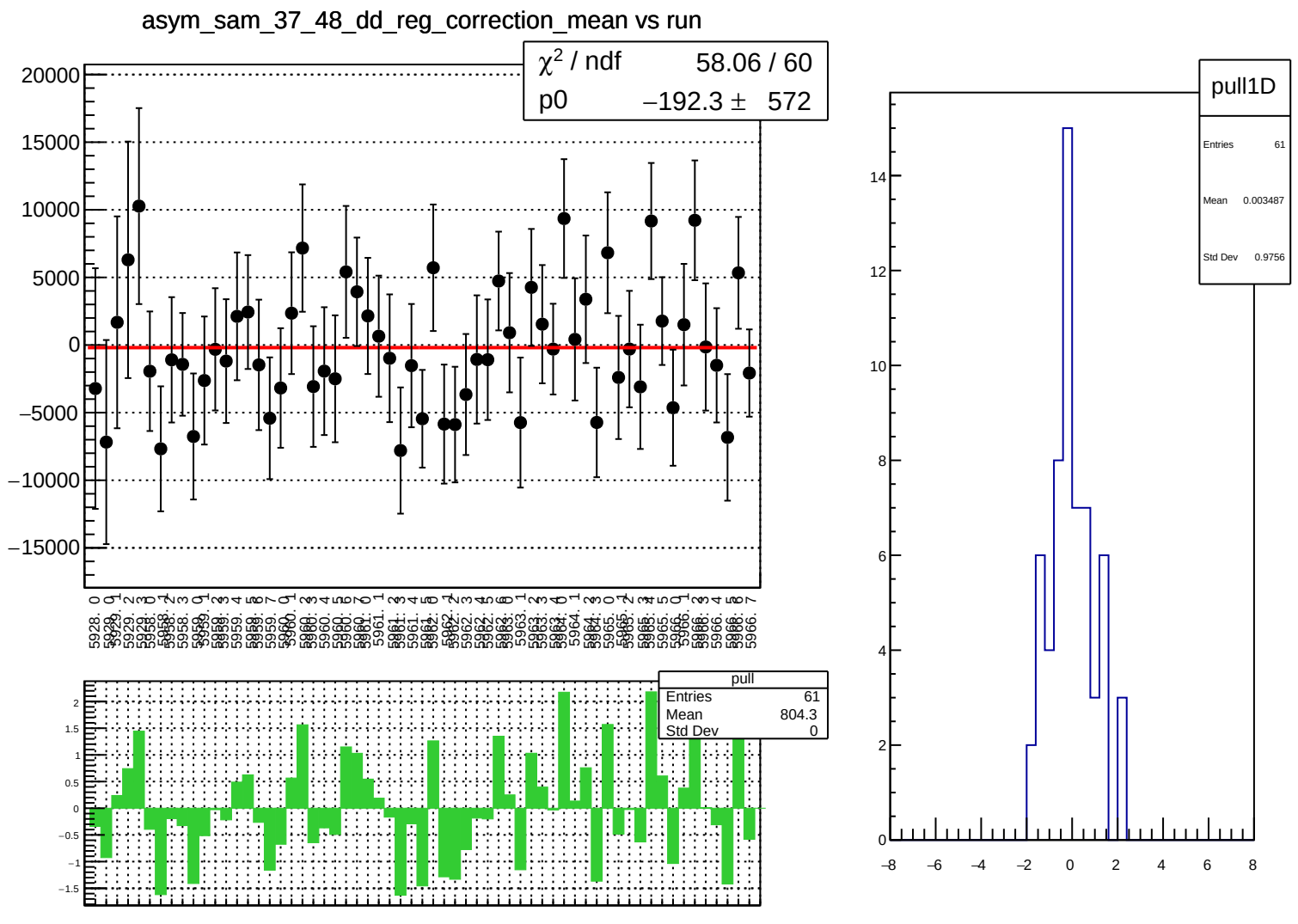

pull1D
Entries 61
Mean 0.06332
Std Dev 1.224

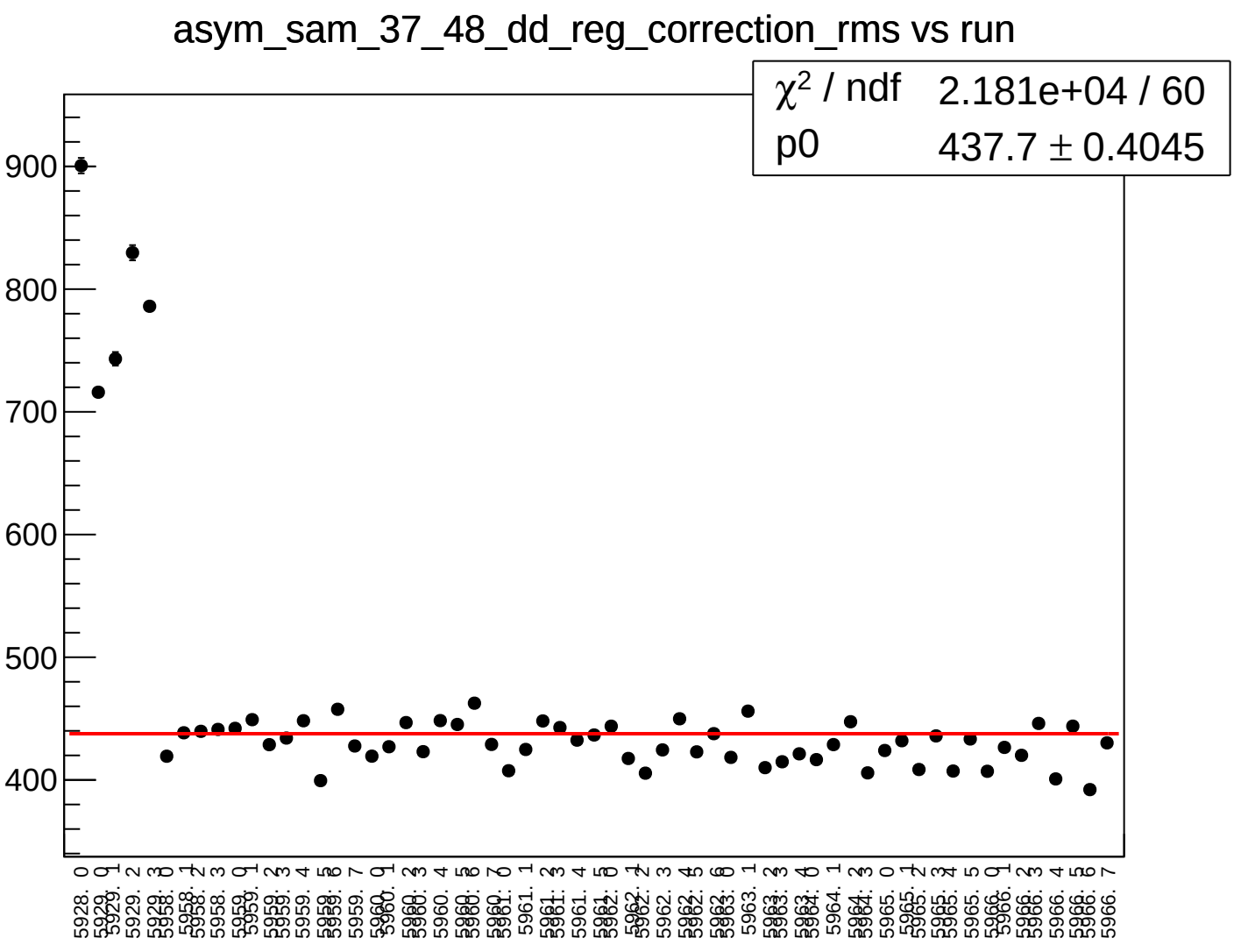

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.592e+05 / 60
p0 2.886e−11 ± 3.369e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

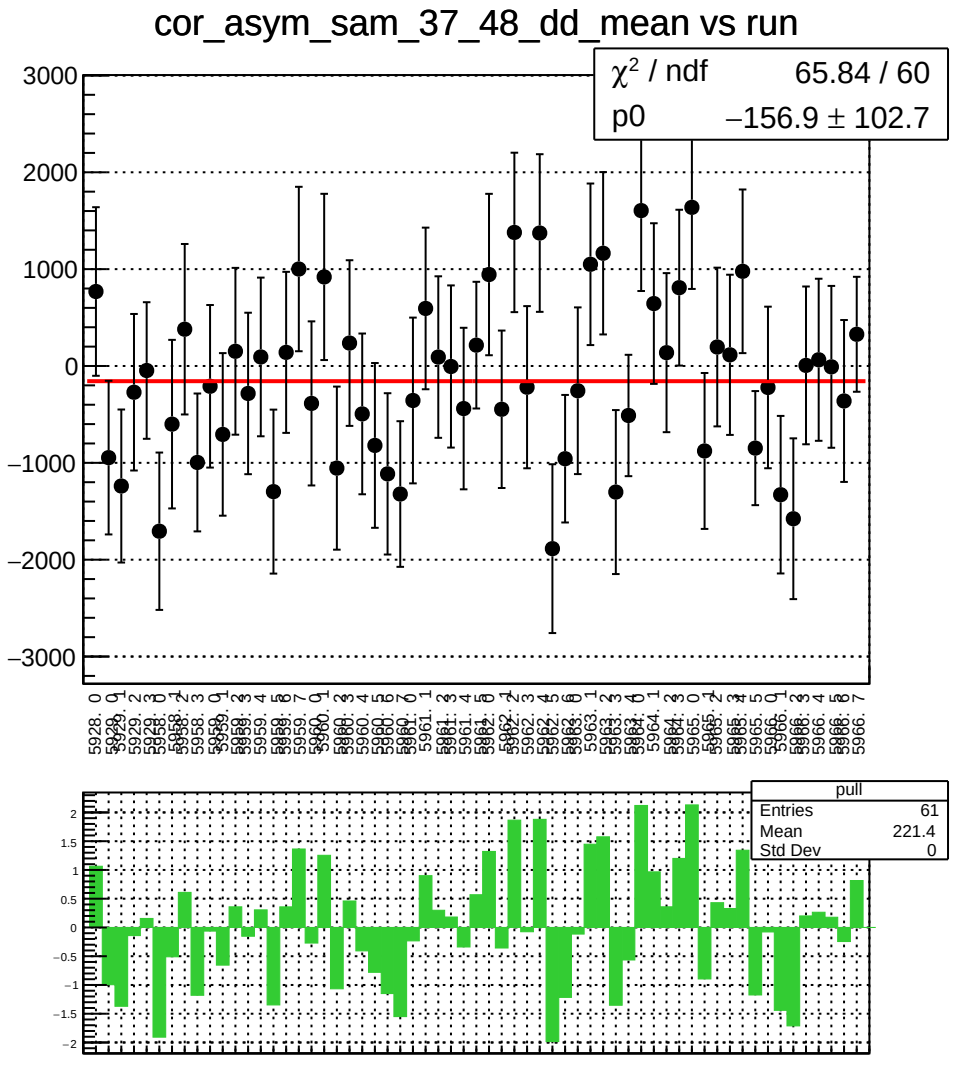

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.84 / 60
p0 −156.8 ± 102.7
pull
Entries 61
Mean 221.4
Std Dev 0

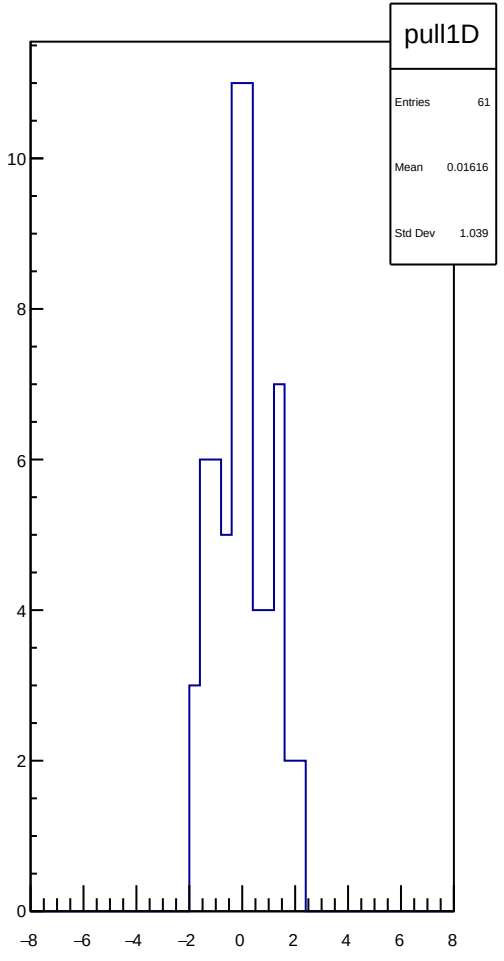

pull1D
Entries 61
Mean 0.01616
Std Dev 1.039

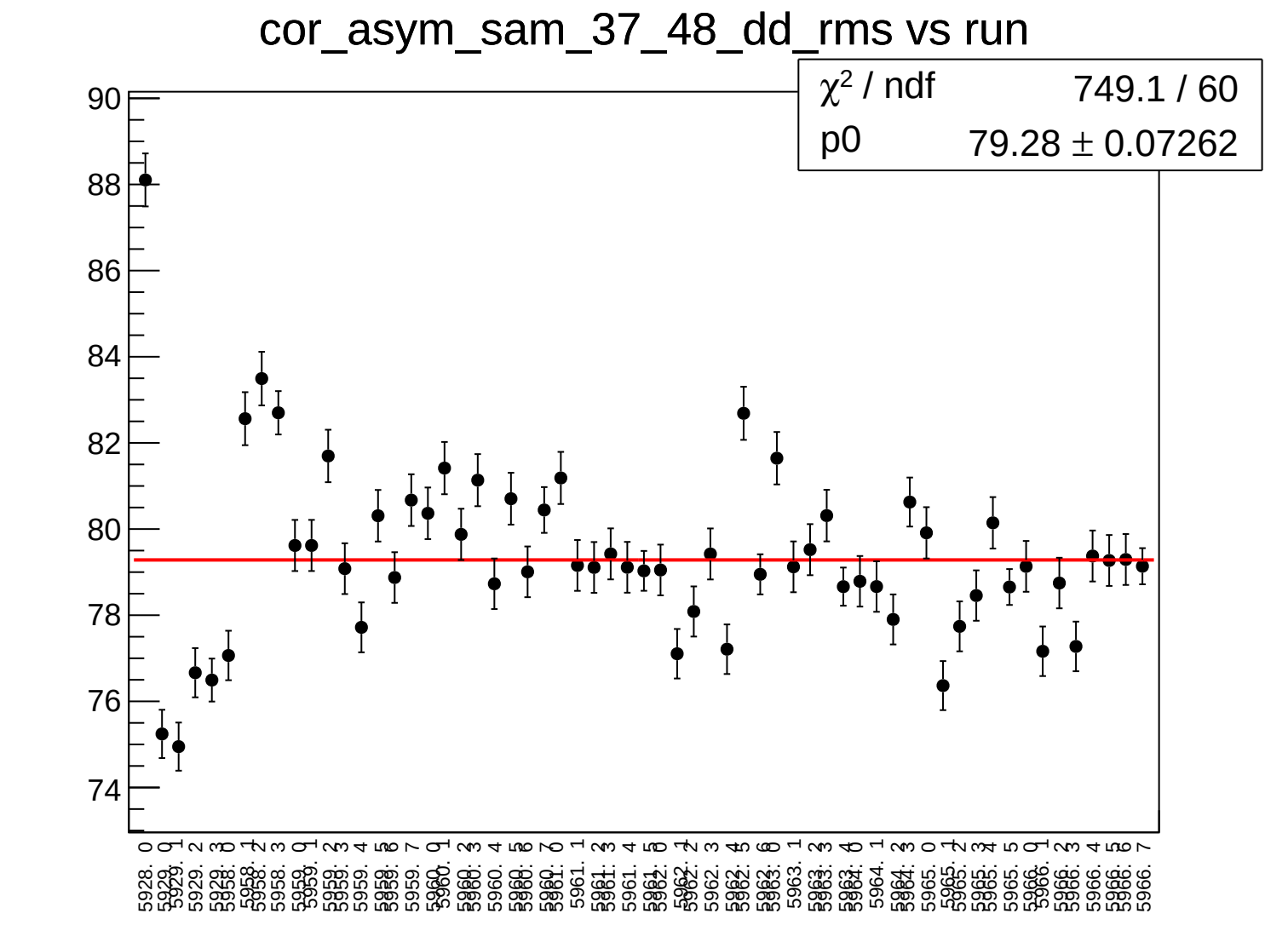

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 749.1 / 60
p0 79.28 ± 0.07262
90
88
86
84
82
80
78
76
74

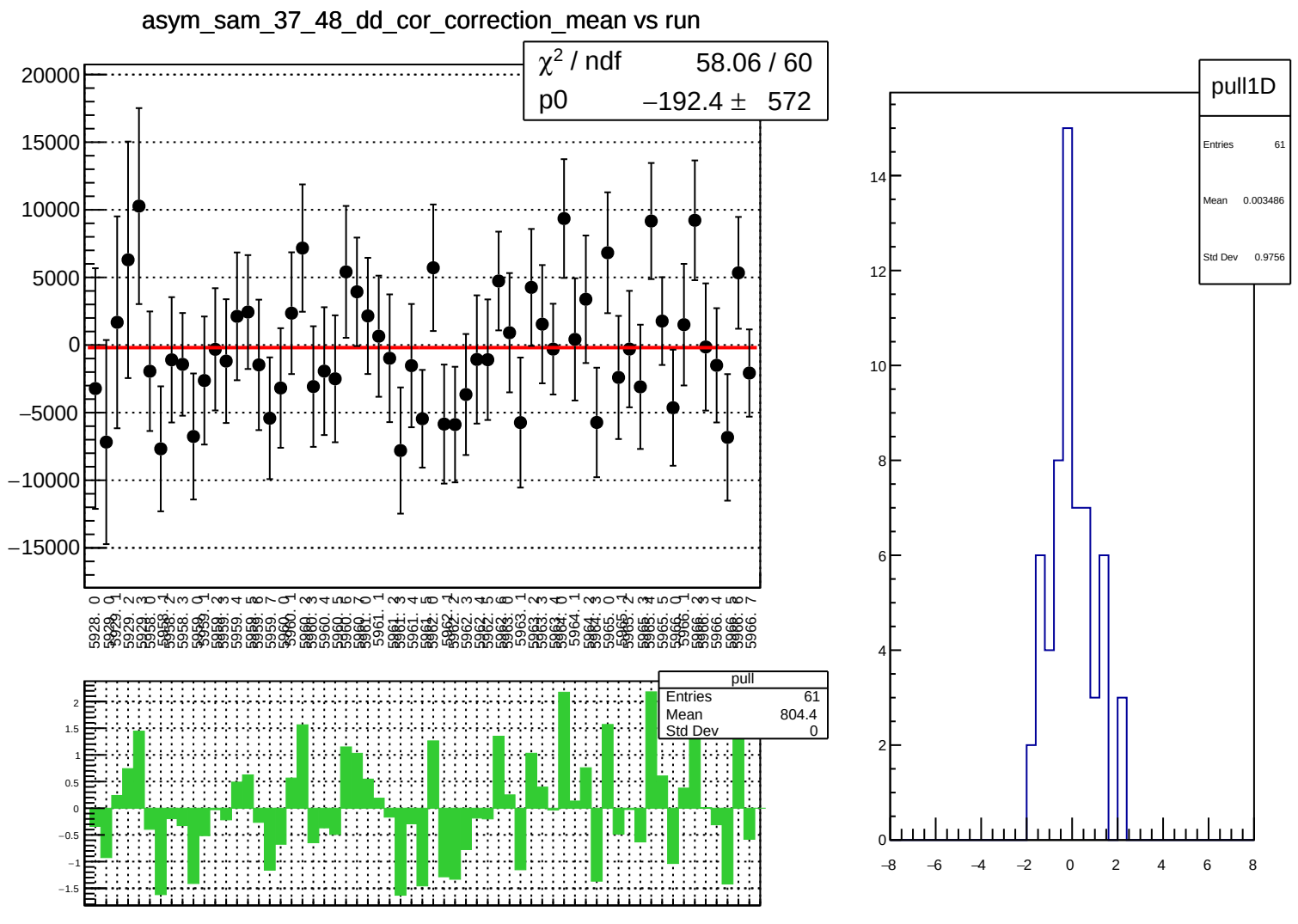

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 58.06 / 60
p0 −192.3 ± 572
pull
Entries 61
Mean 804.3
Std Dev 0
pull1D
Entries 61
Mean 0.003487
Std Dev 0.9756

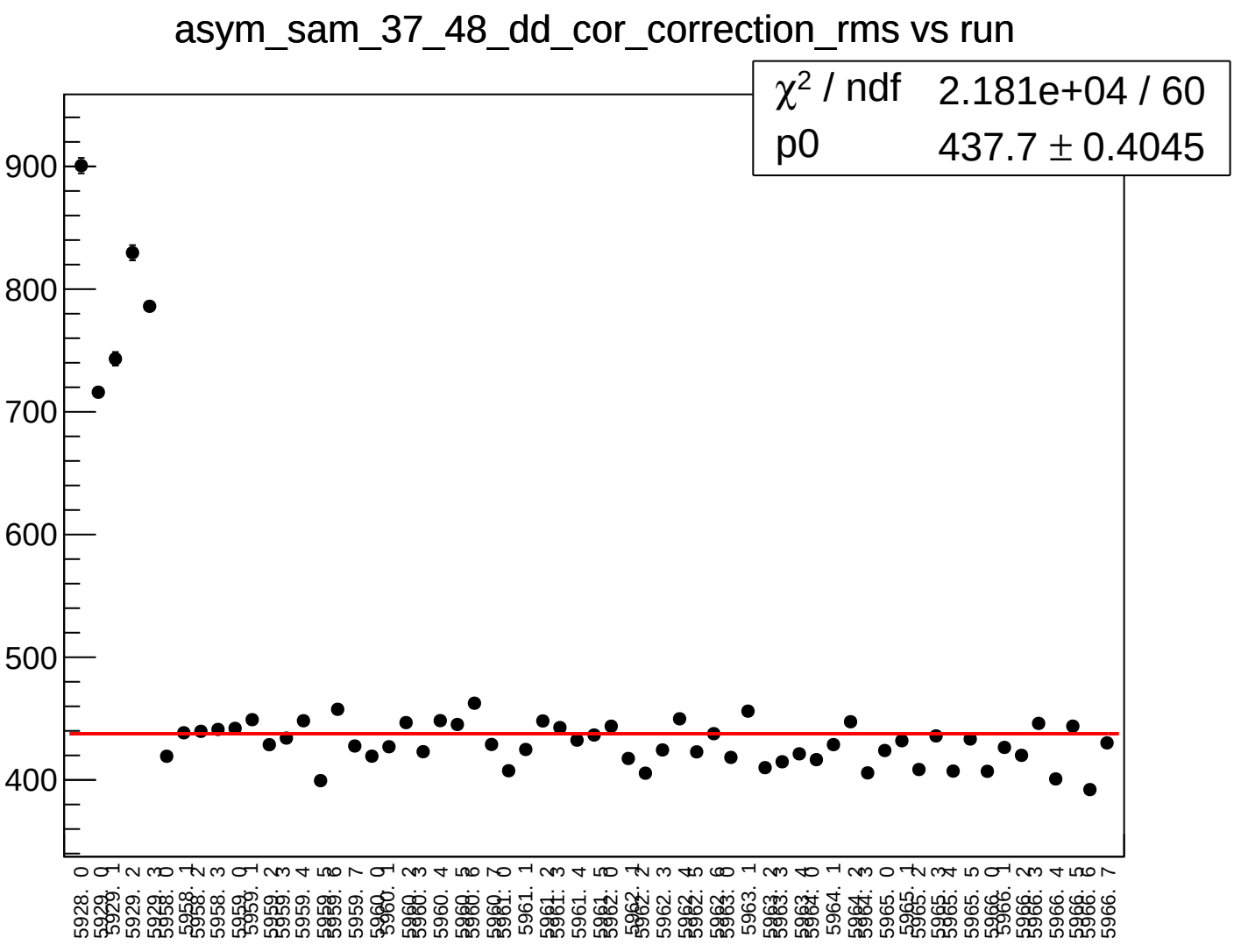

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 2.181e+04 / 60
p0 437.7 ± 0.4045
900
800
700
600
500
400

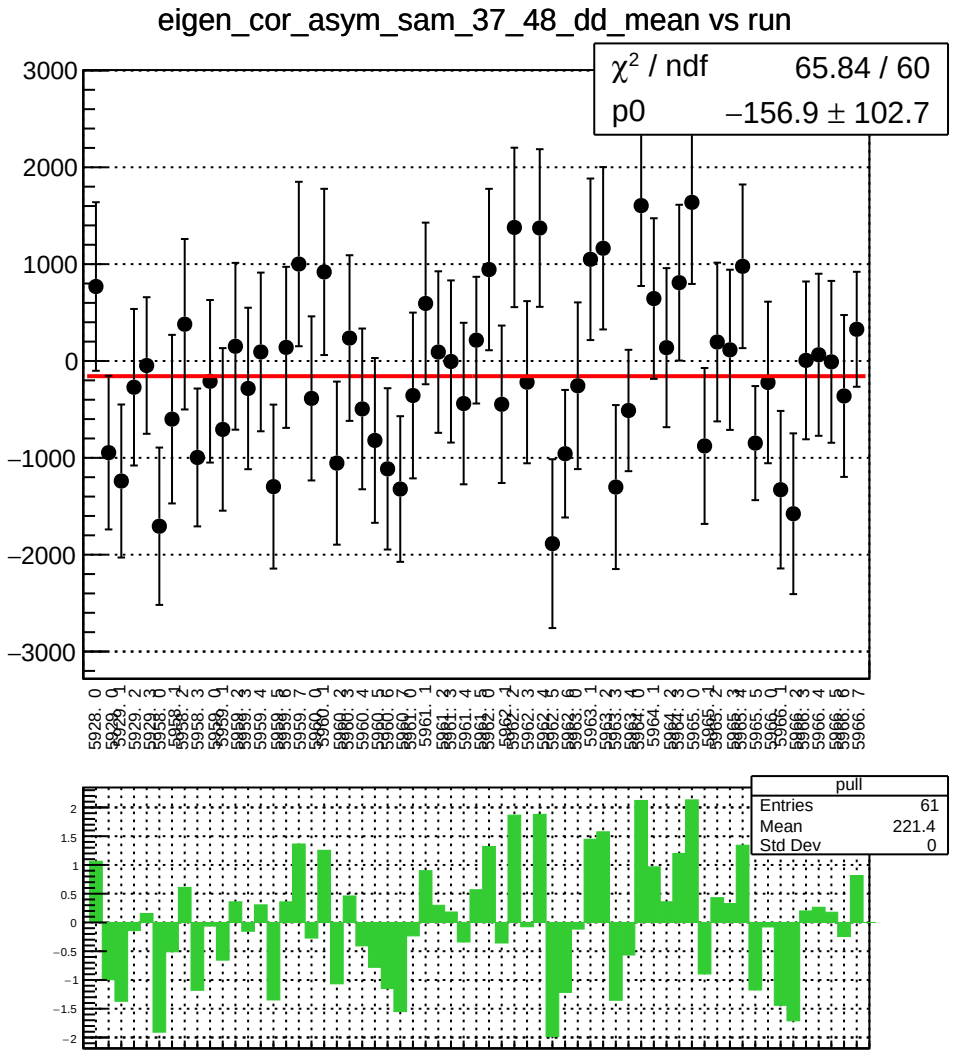

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.84 / 60
p0 −156.9 ± 102.7
pull
Entries 61
Mean 221.4
Std Dev 0

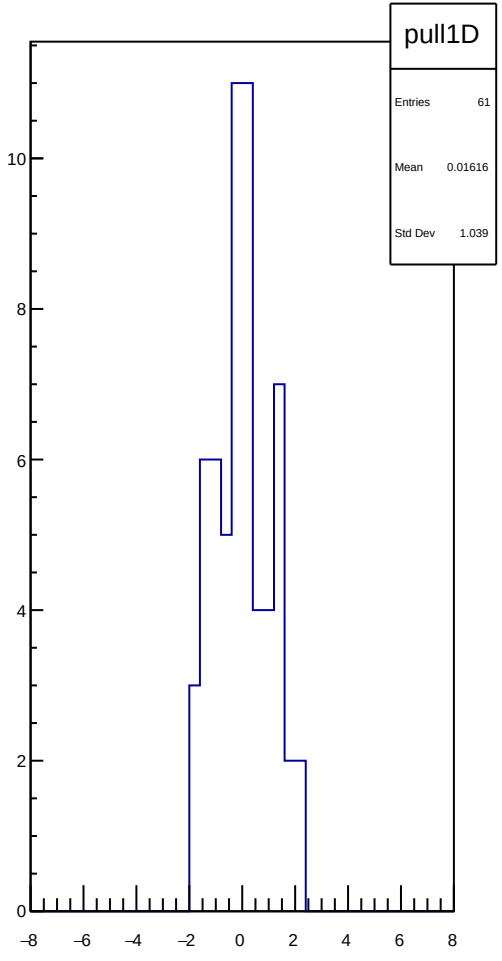

pull1D
Entries 61
Mean 0.01616
Std Dev 1.039

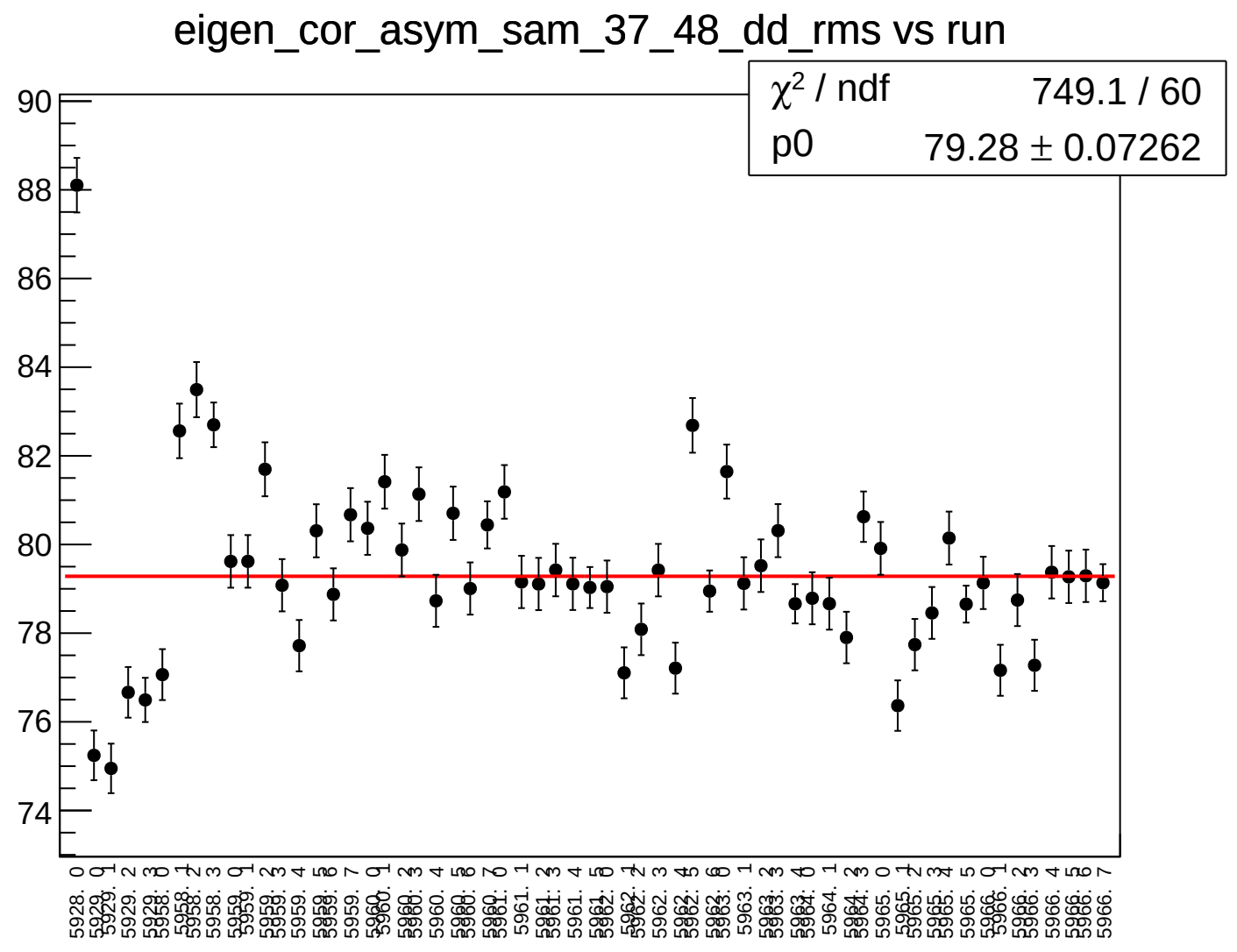

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 749.1 / 60
p0 79.28 ± 0.07262
90
88
86
84
82
80
78
76
74

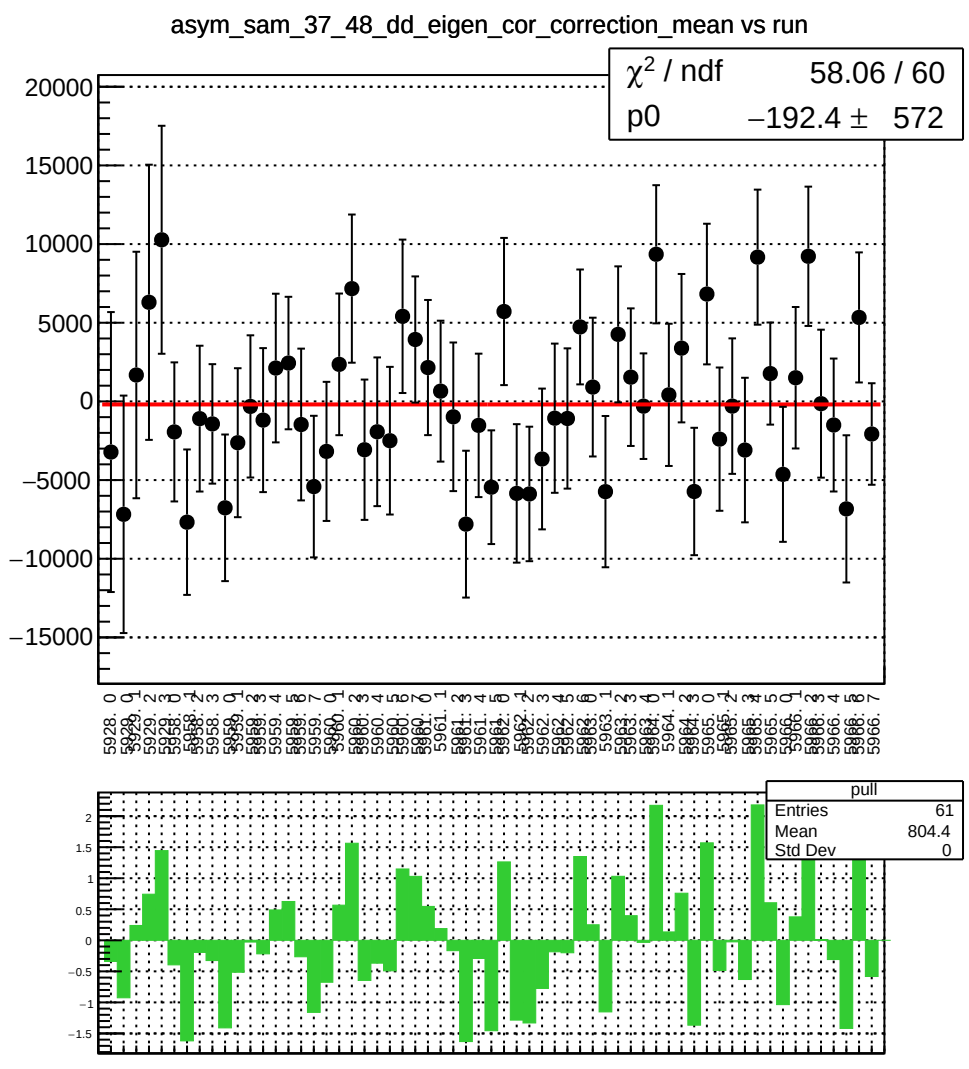

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 58.06 / 60
p0 −192.4 ± 572
pull
Entries 61
Mean 804.4
Std Dev 0
pull1D
Entries 61
Mean 0.003486
Std Dev 0.9756

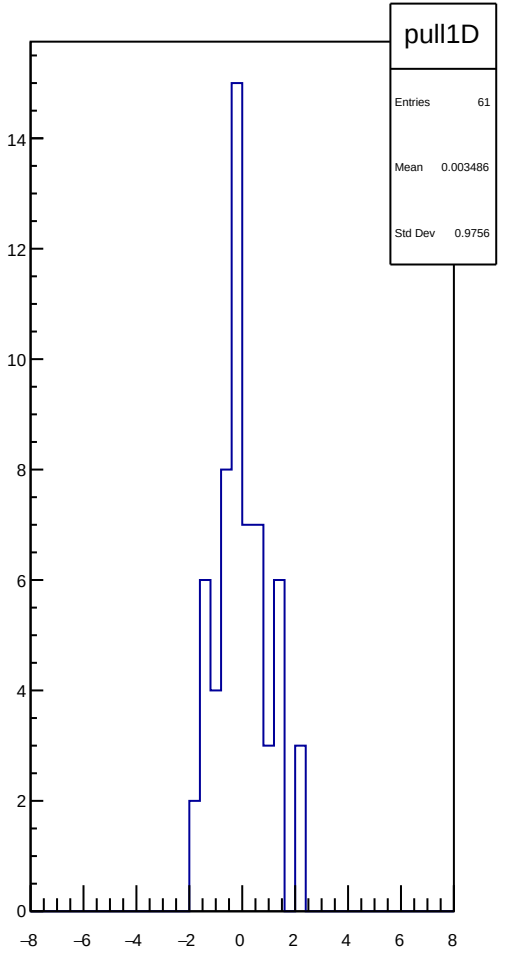

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 2.181e+04 / 60
p0 437.7 ± 0.4045
900
800
700
600
500
400

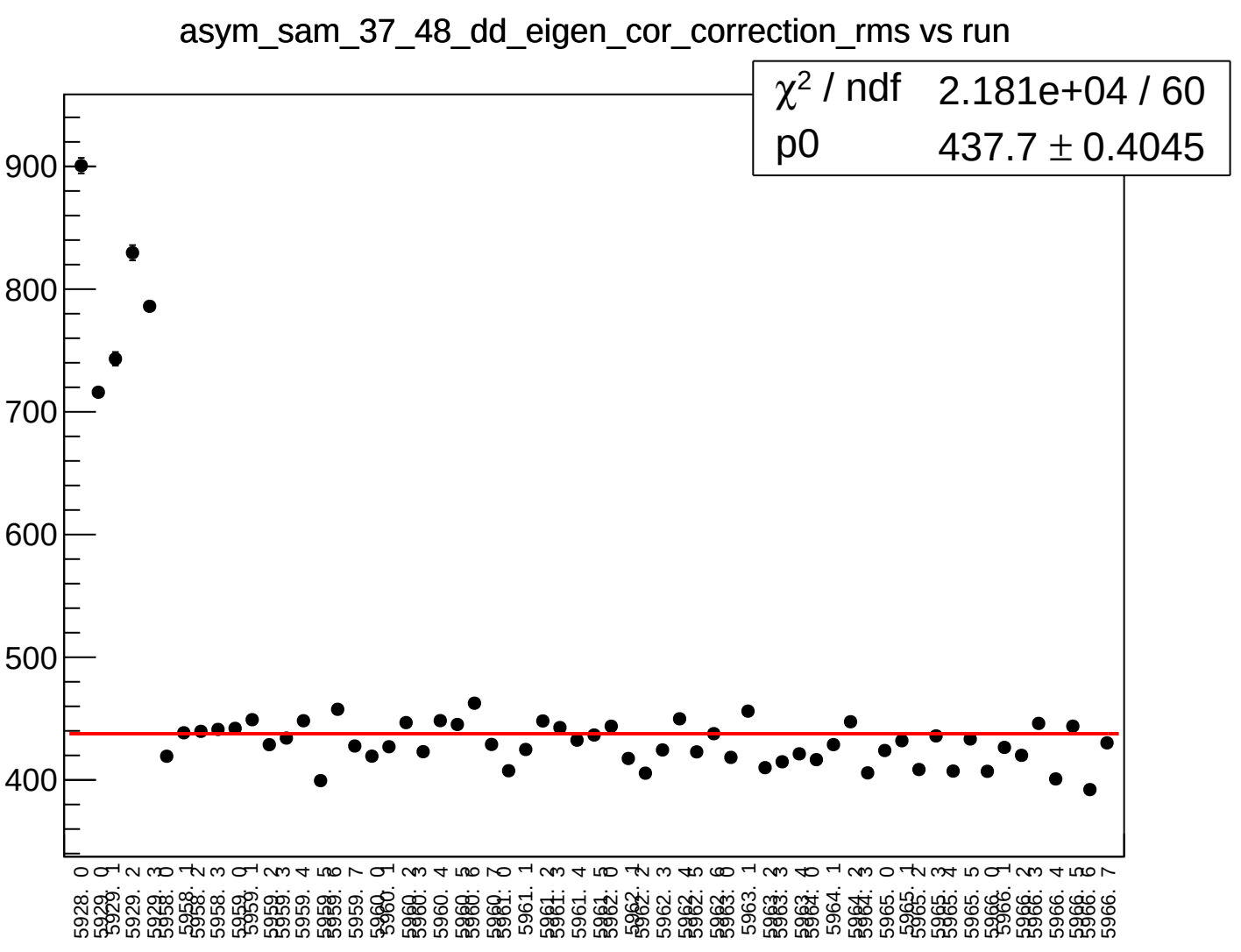

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 65.84 / 60
p0 −156.9 ± 102.7
pull
Entries 61
Mean 221.4
Std Dev 0

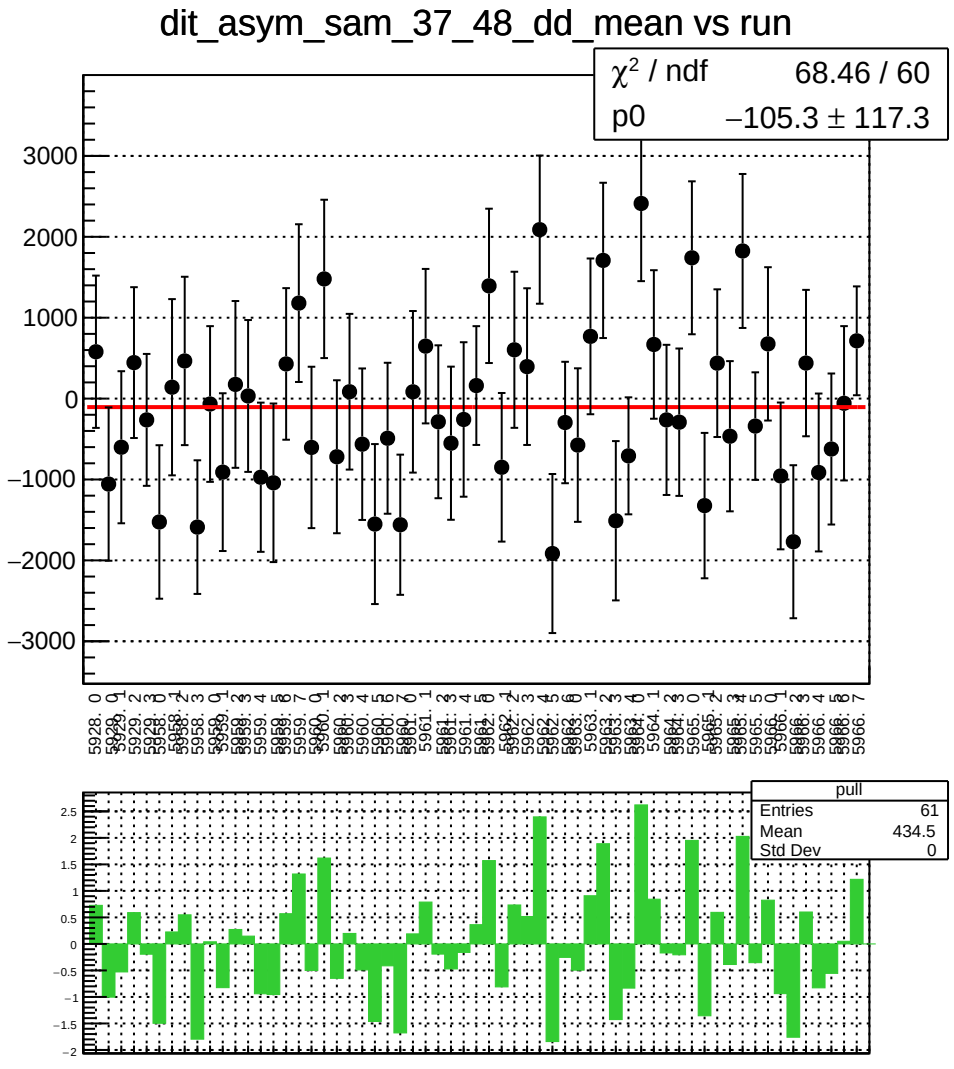

pull1D
Entries 61
Mean 0.01616
Std Dev 1.039

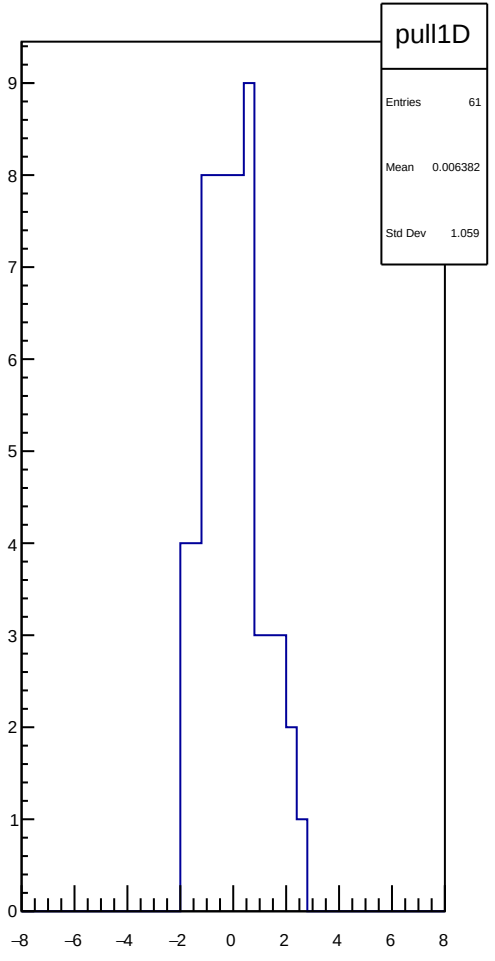

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 749.1 / 60
p0 79.28 ± 0.07262
90
88
86
84
82
80
78
76
74

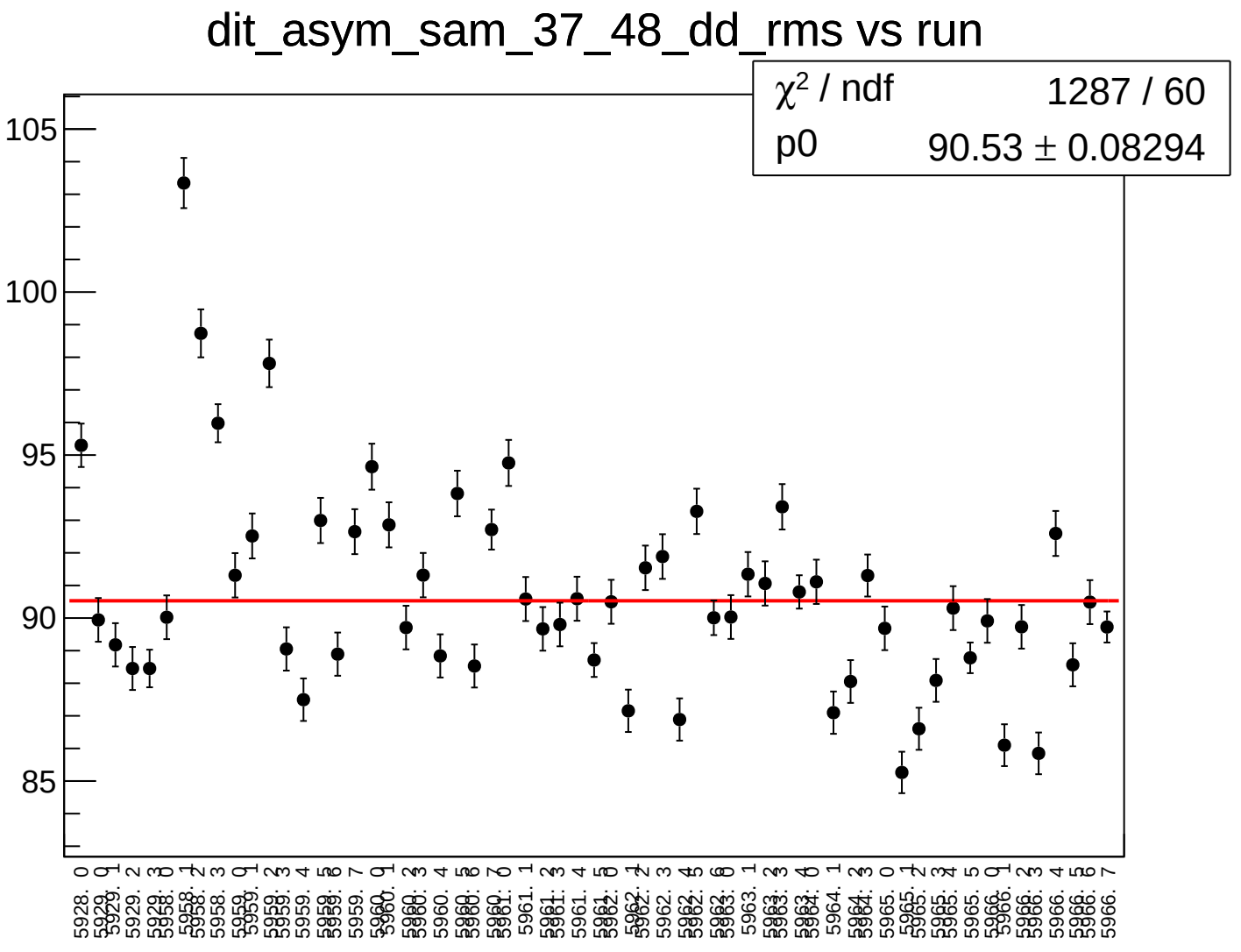

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.06 / 60
p0 −192.4 ± 572
pull
Entries 61
Mean 804.4
Std Dev 0

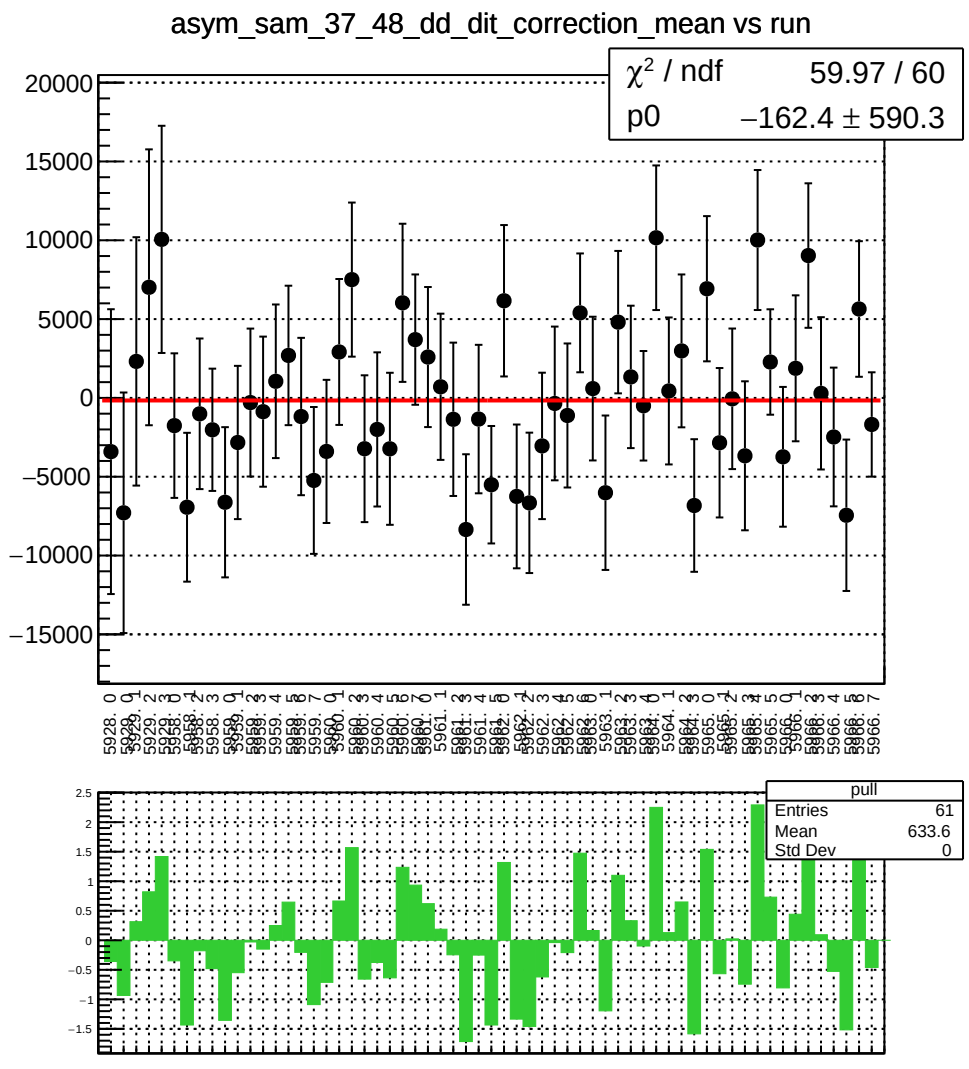

pull1D
Entries 61
Mean 0.003486
Std Dev 0.9756

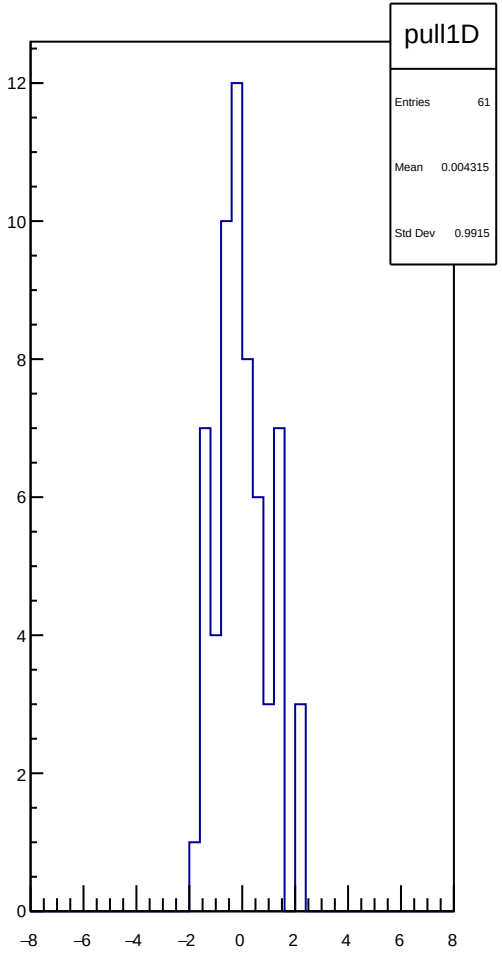

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.181e+04 / 60
p0 437.7 ± 0.4045
900
800
700
600
500
400

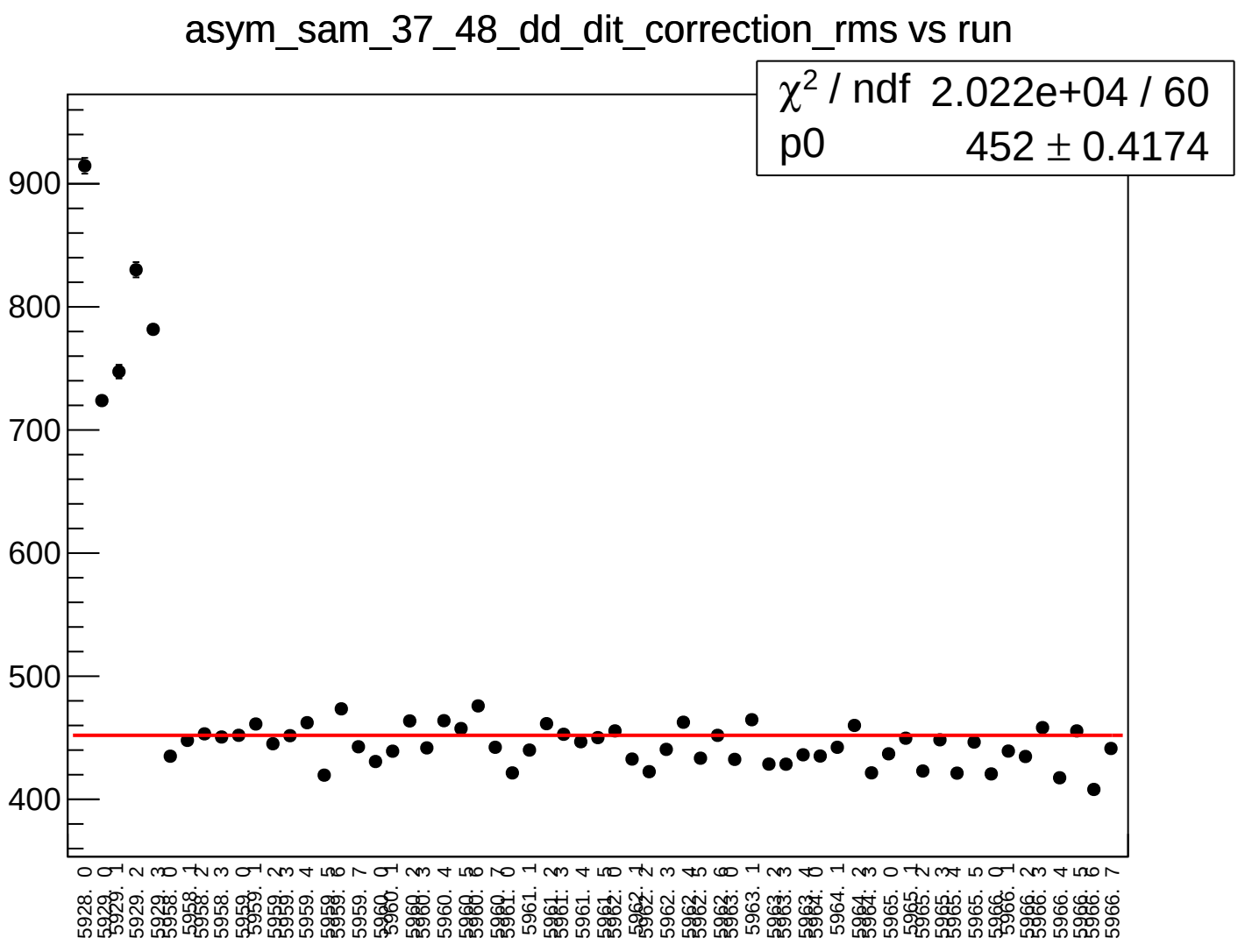

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 68.46 / 60
p0 −105.3 ± 117.3
pull
Entries 61
Mean 434.5
Std Dev 0

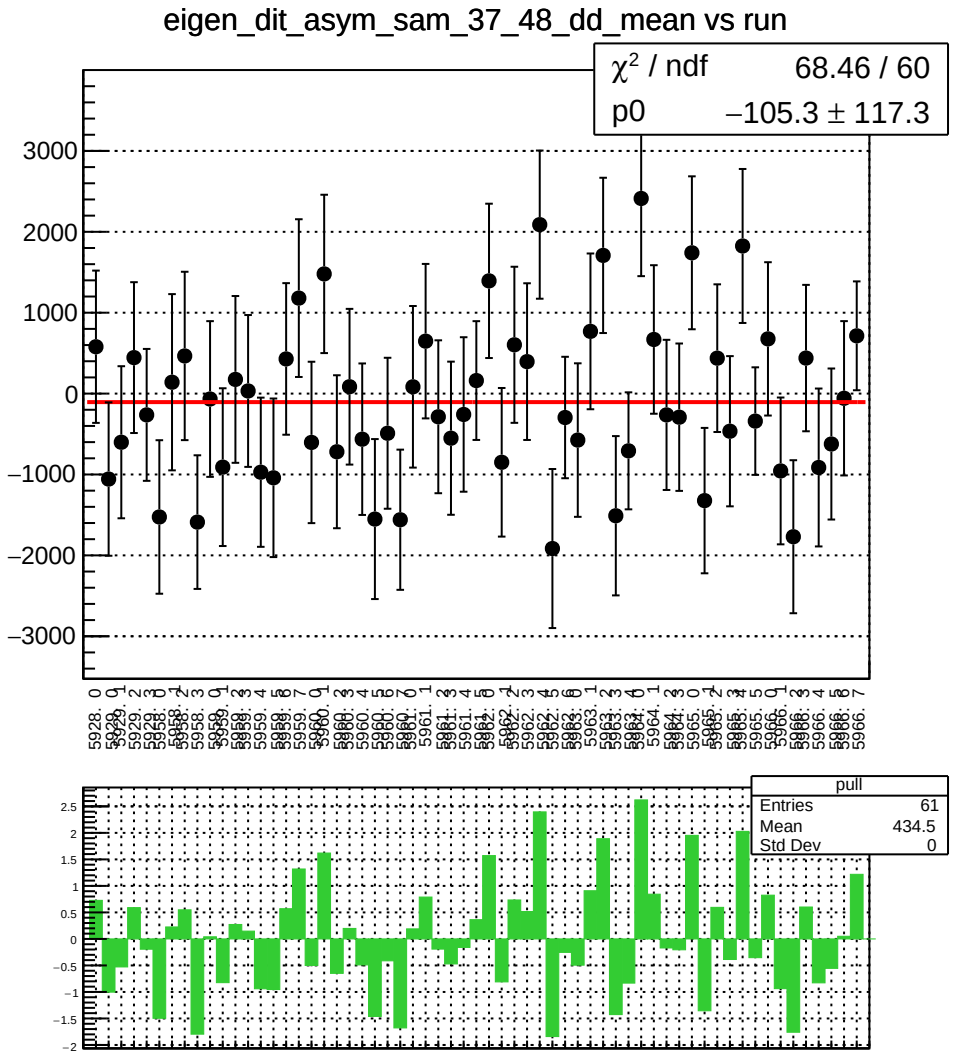

pull1D
Entries 61
Mean 0.006382
Std Dev 1.059

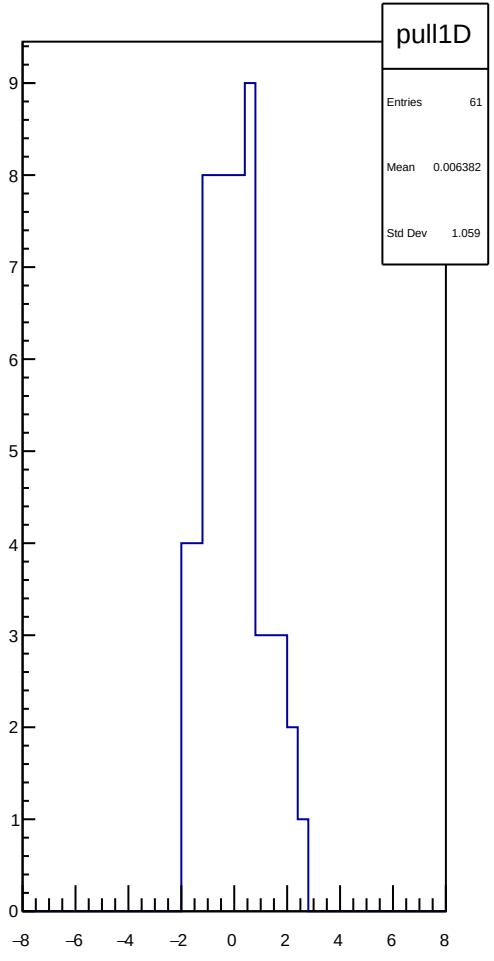

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1287 / 60
p0 90.53 ± 0.08294
105
100
95
90
85

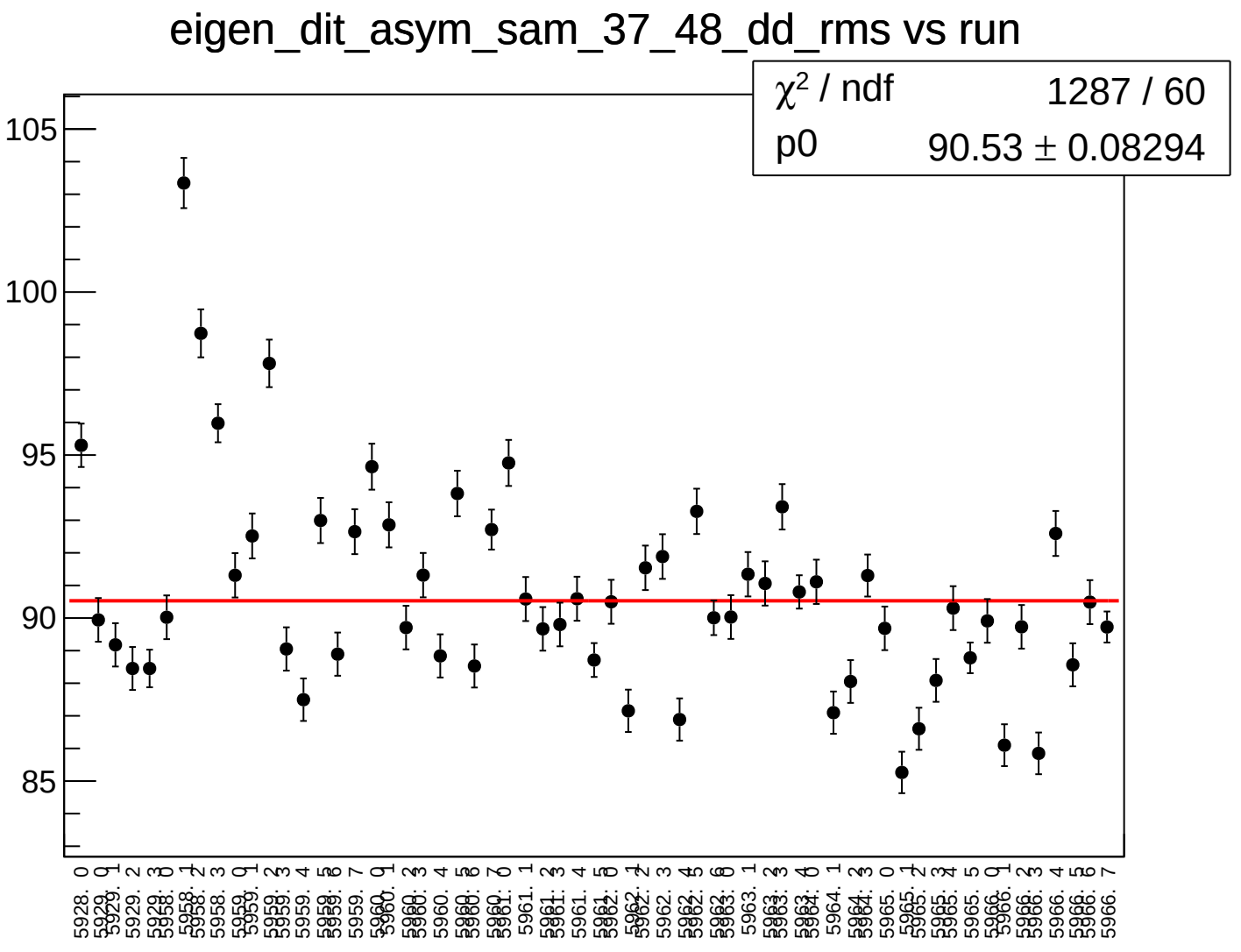

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 59.97 / 60
p0 −162.4 ± 590.3
pull
Entries 61
Mean 633.6
Std Dev 0

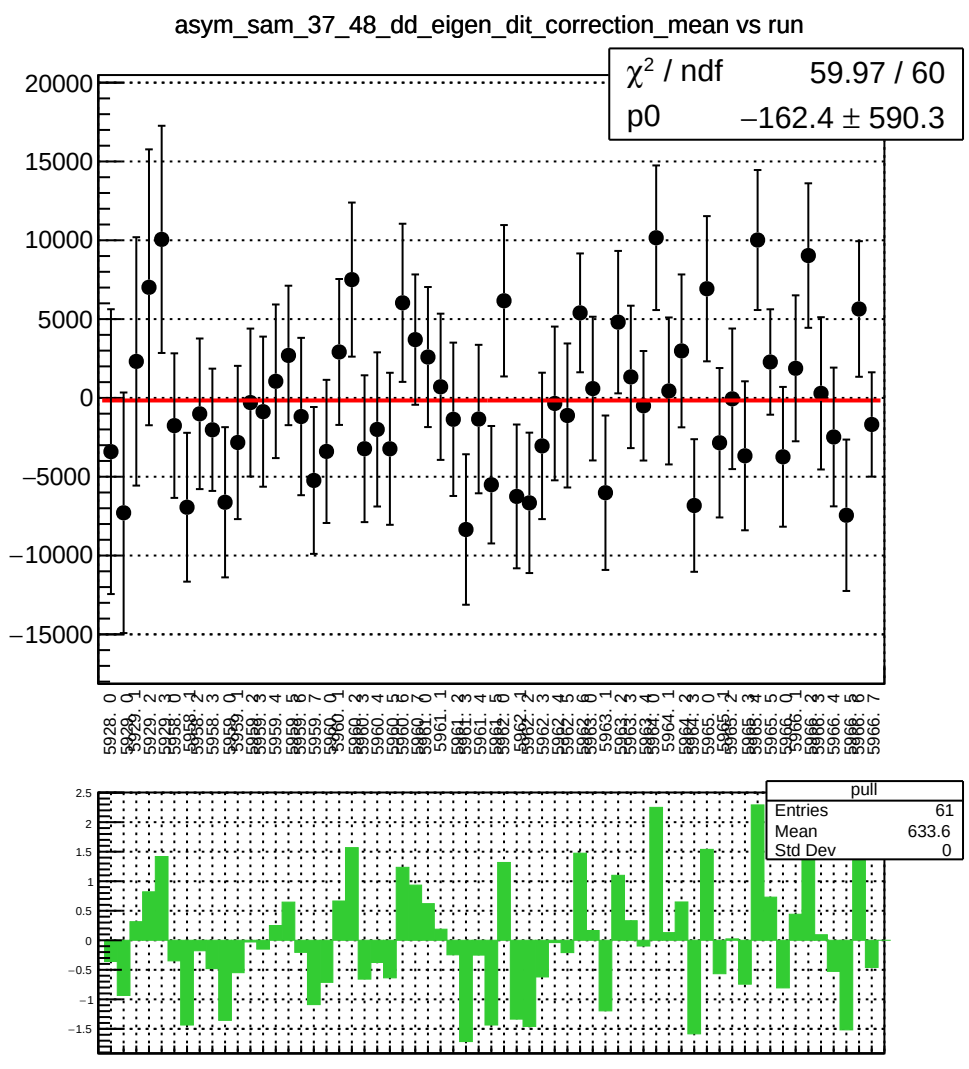

pull1D
Entries 61
Mean 0.004315
Std Dev 0.9915

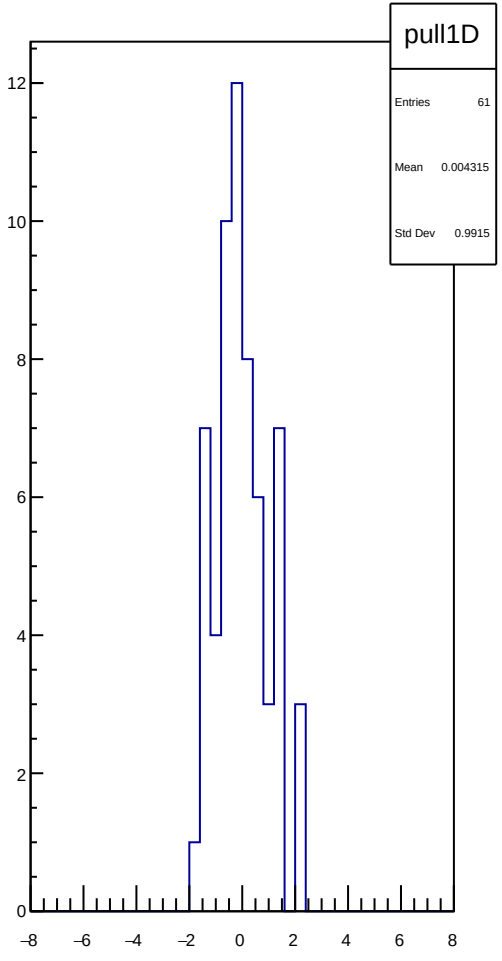

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 2.022e+04 / 60
p0 452 ± 0.4174
900
800
700
600
500
400

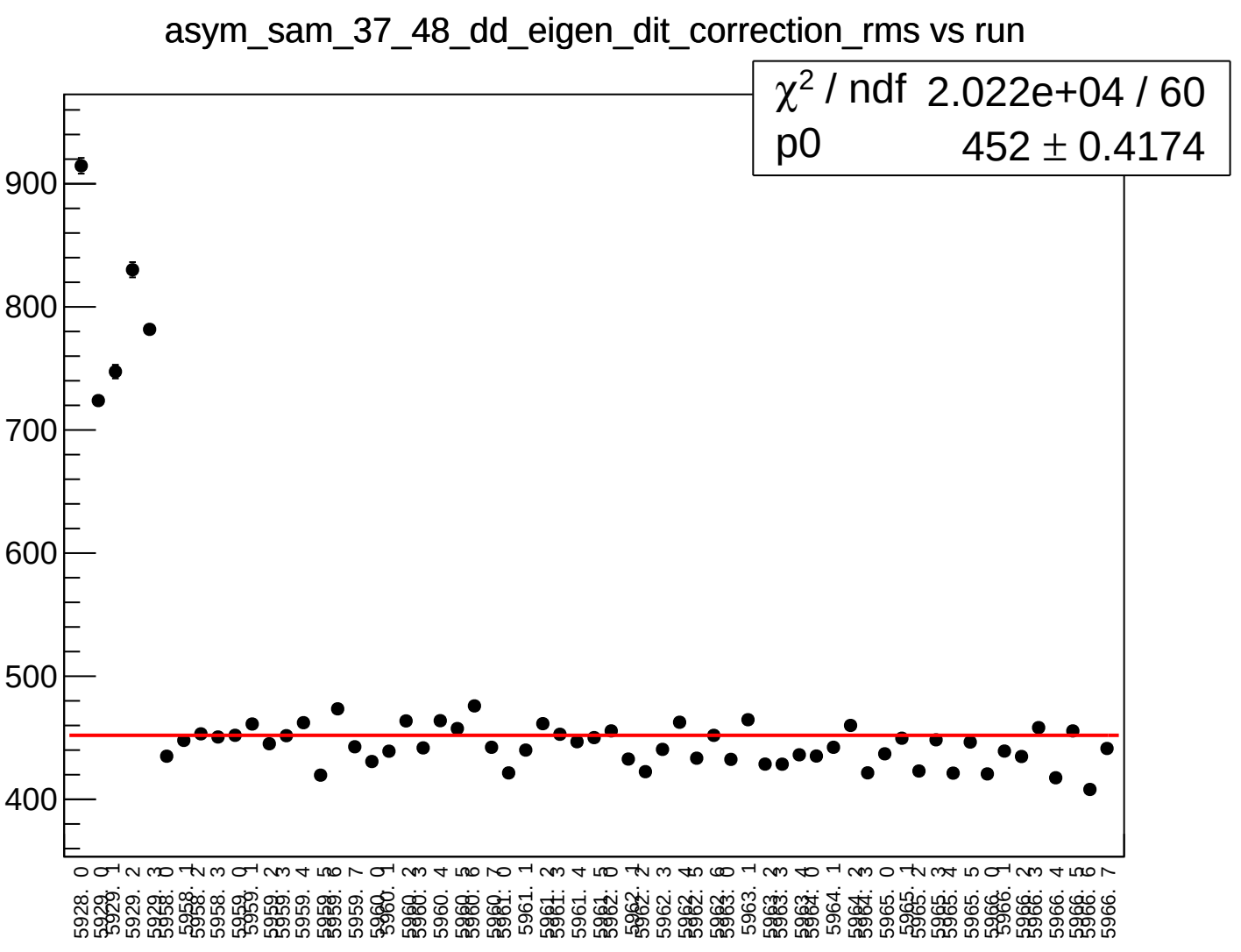

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 68.46 / 60
p0 −105.3 ± 117.3
pull
Entries 61
Mean 434.5
Std Dev 0

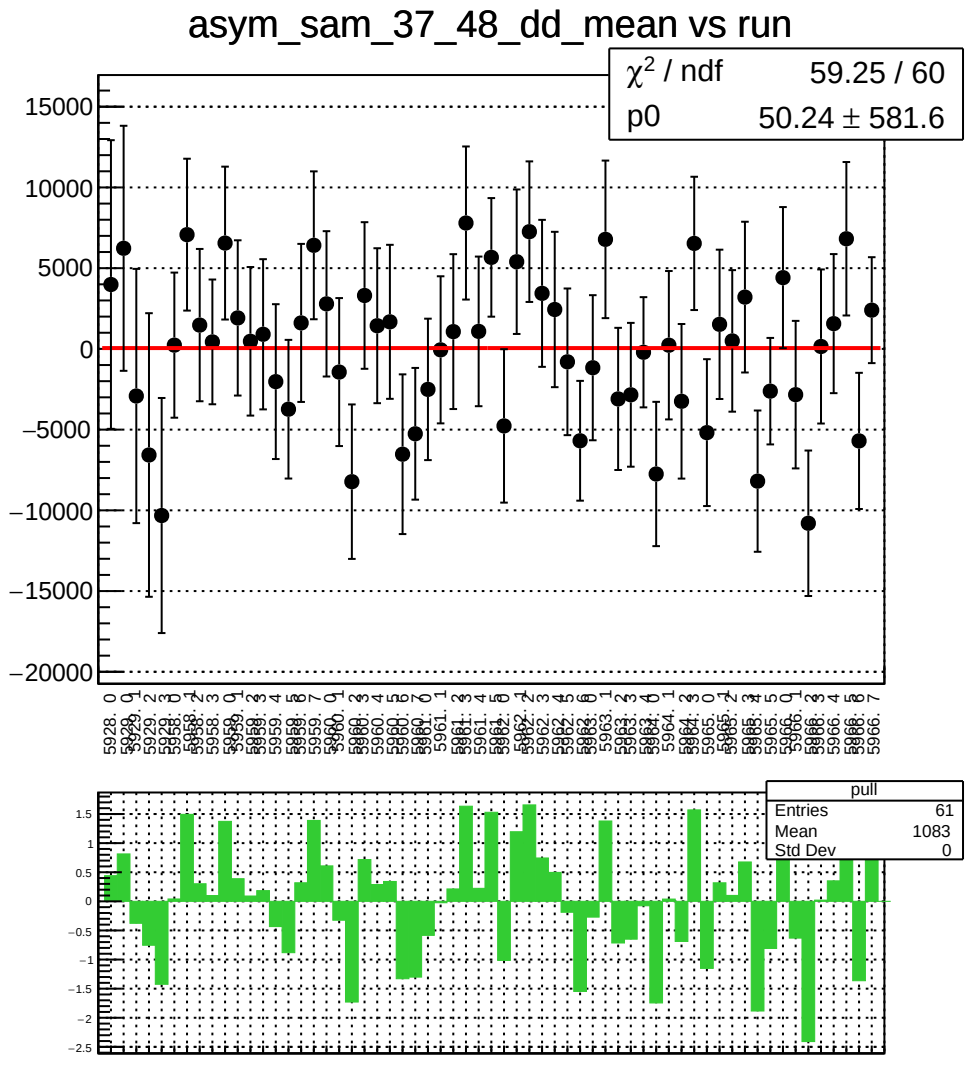

pull1D
Entries 61
Mean 0.006382
Std Dev 1.059

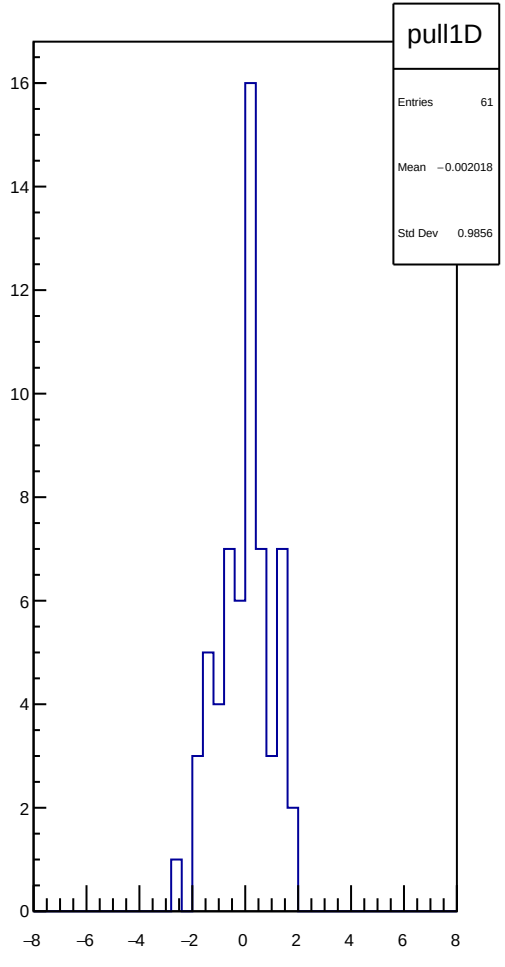

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1287 / 60
p0 90.53 ± 0.08294
105
100
95
90
85

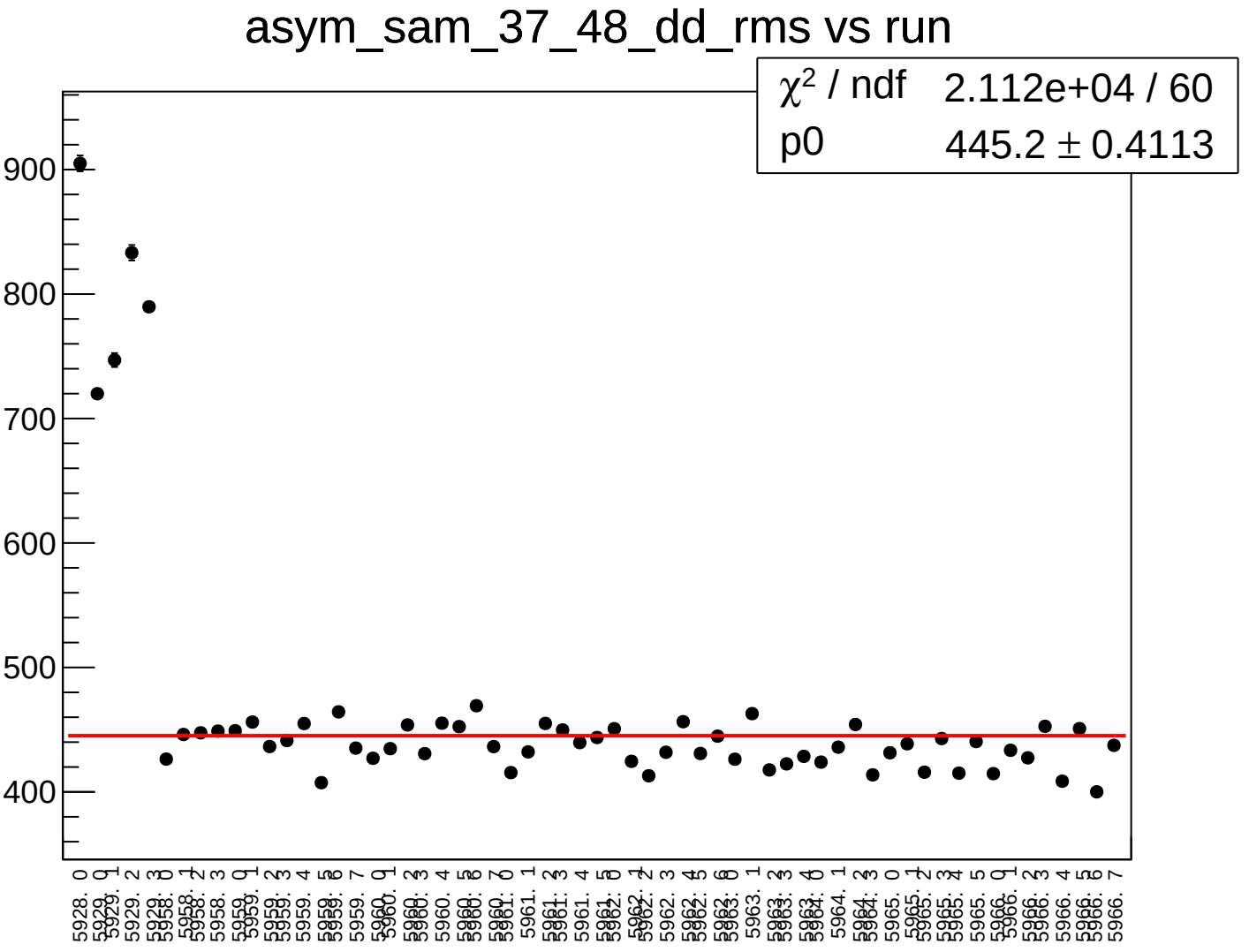

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.97 / 60
p0 −162.4 ± 590.3
pull
Entries 61
Mean 633.6
Std Dev 0

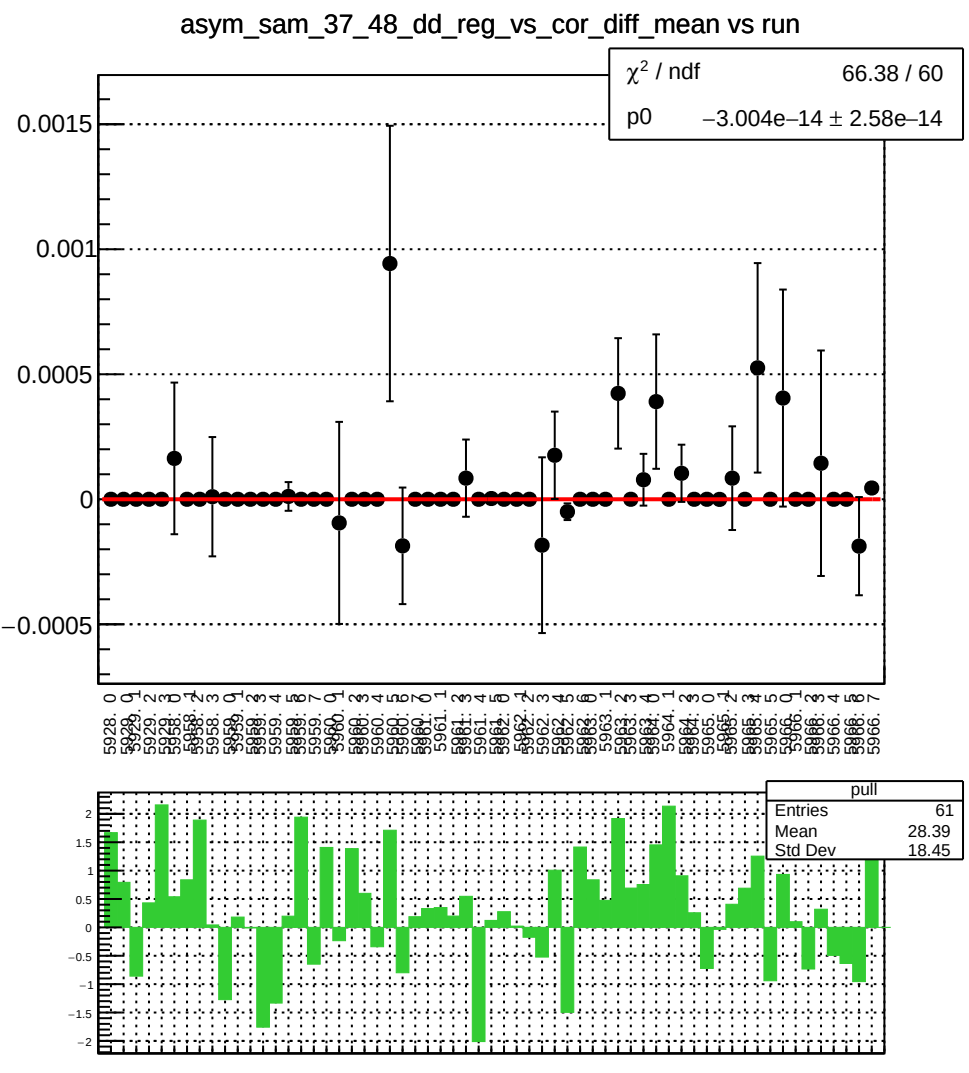

pull1D
Entries 61
Mean 0.004315
Std Dev 0.9915

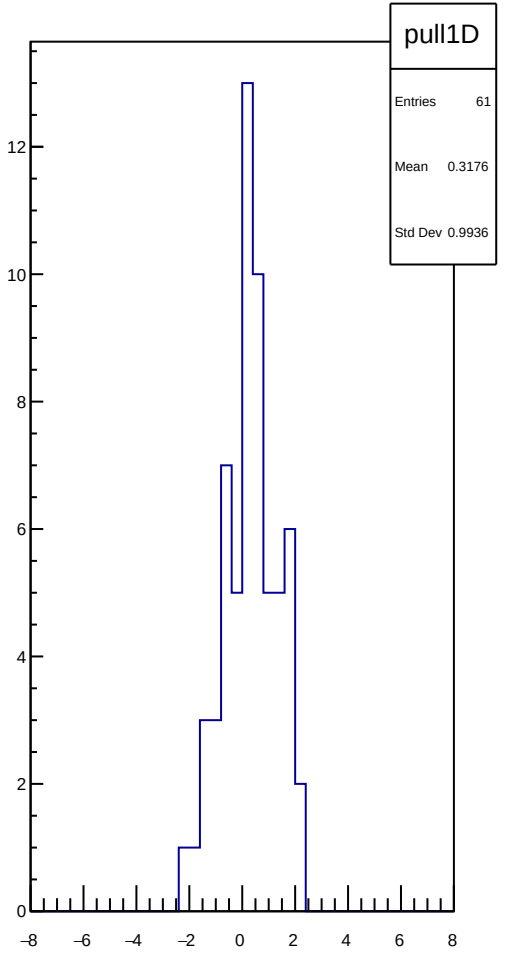

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.022e+04 / 60
p0 452 ± 0.4174
900
800
700
600
500
400

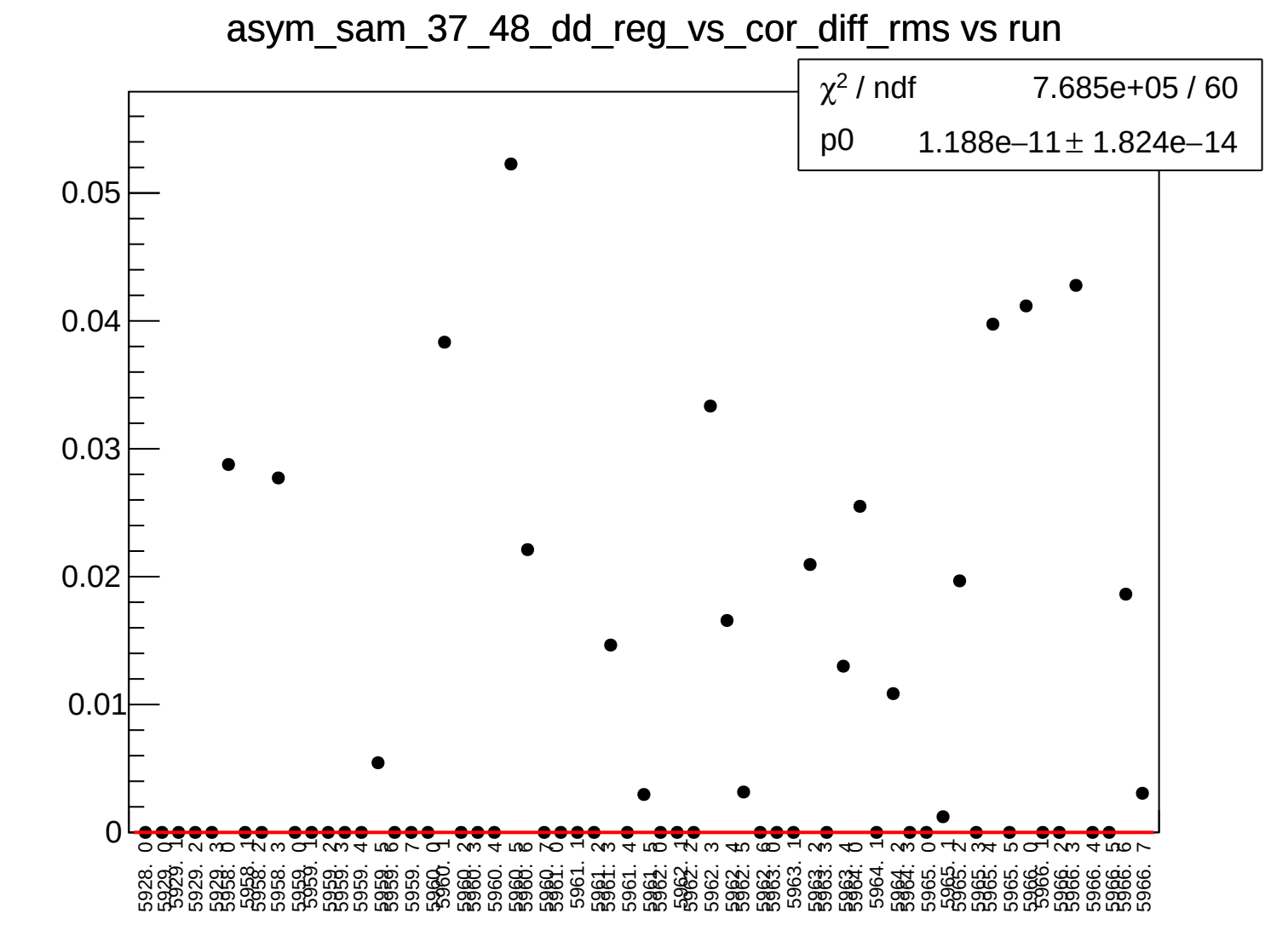

asym_sam_37_48_dd_mean vs run
χ² / ndf 59.25 / 60
p0 50.24 ± 581.6
pull
Entries 61
Mean 1083
Std Dev 0

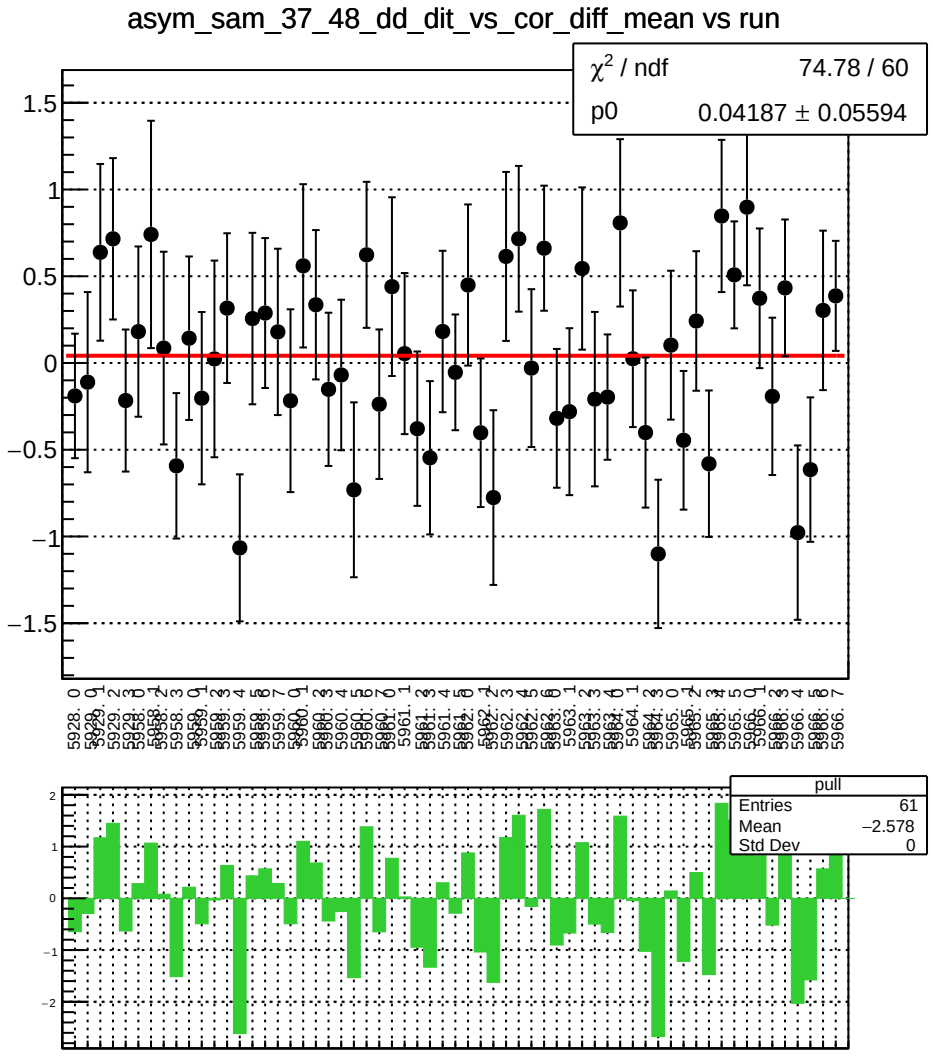

pull1D
Entries 61
Mean −0.002018
Std Dev 0.9856

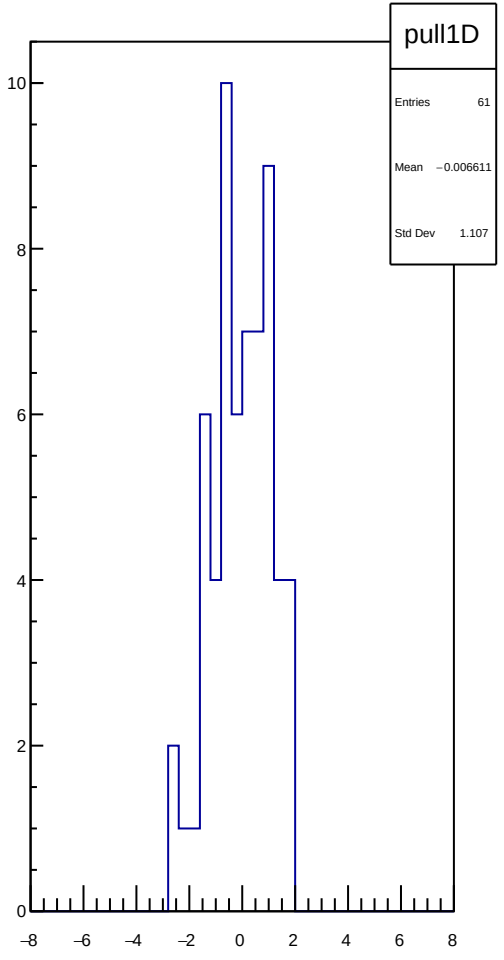

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.112e+04 / 60
p0 445.2 ± 0.4113
900
800
700
600
500
400

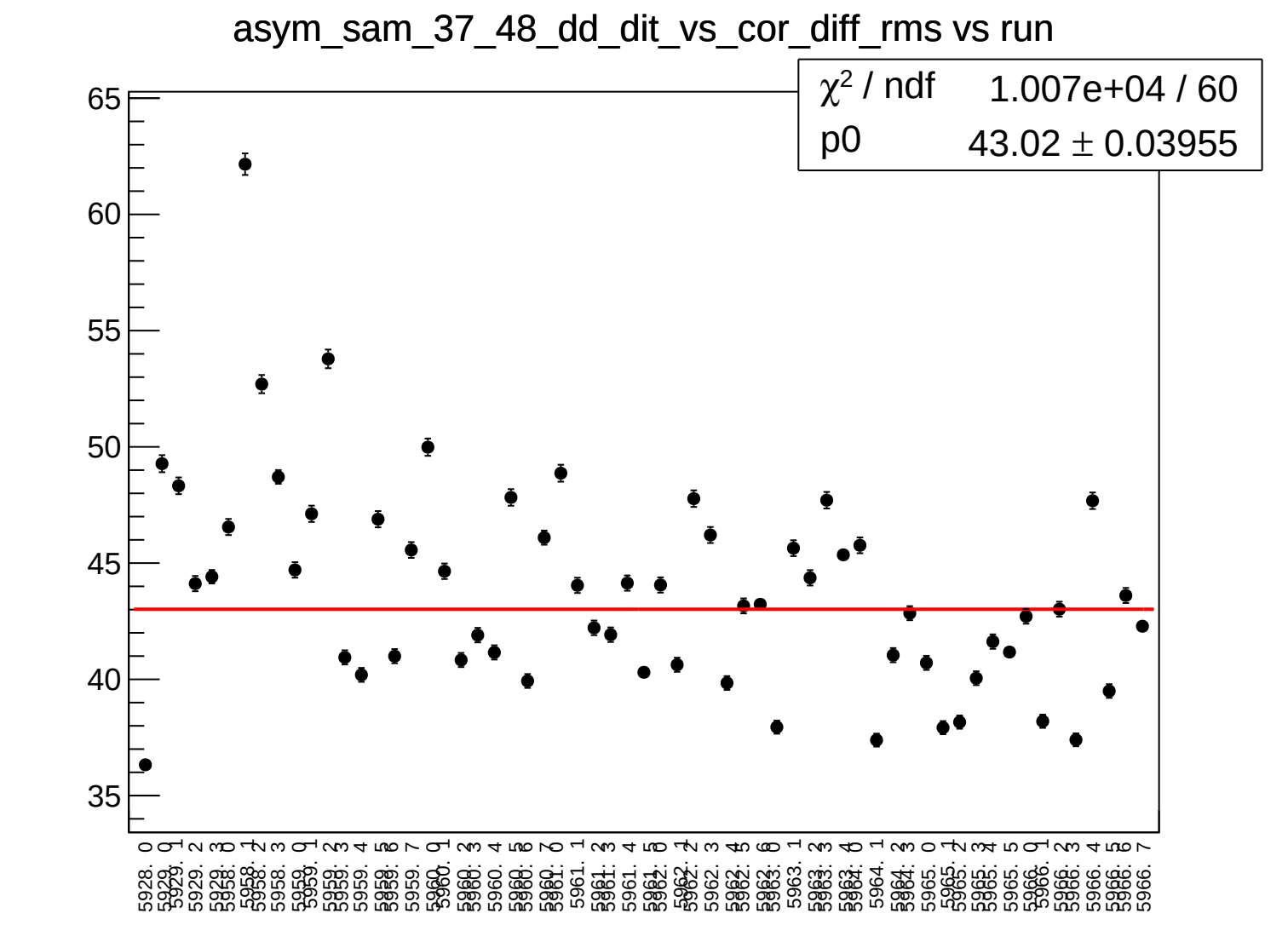

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.38 / 60
p0 −3.004e−14 ± 2.58e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 61
Mean 28.39
Std Dev 18.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

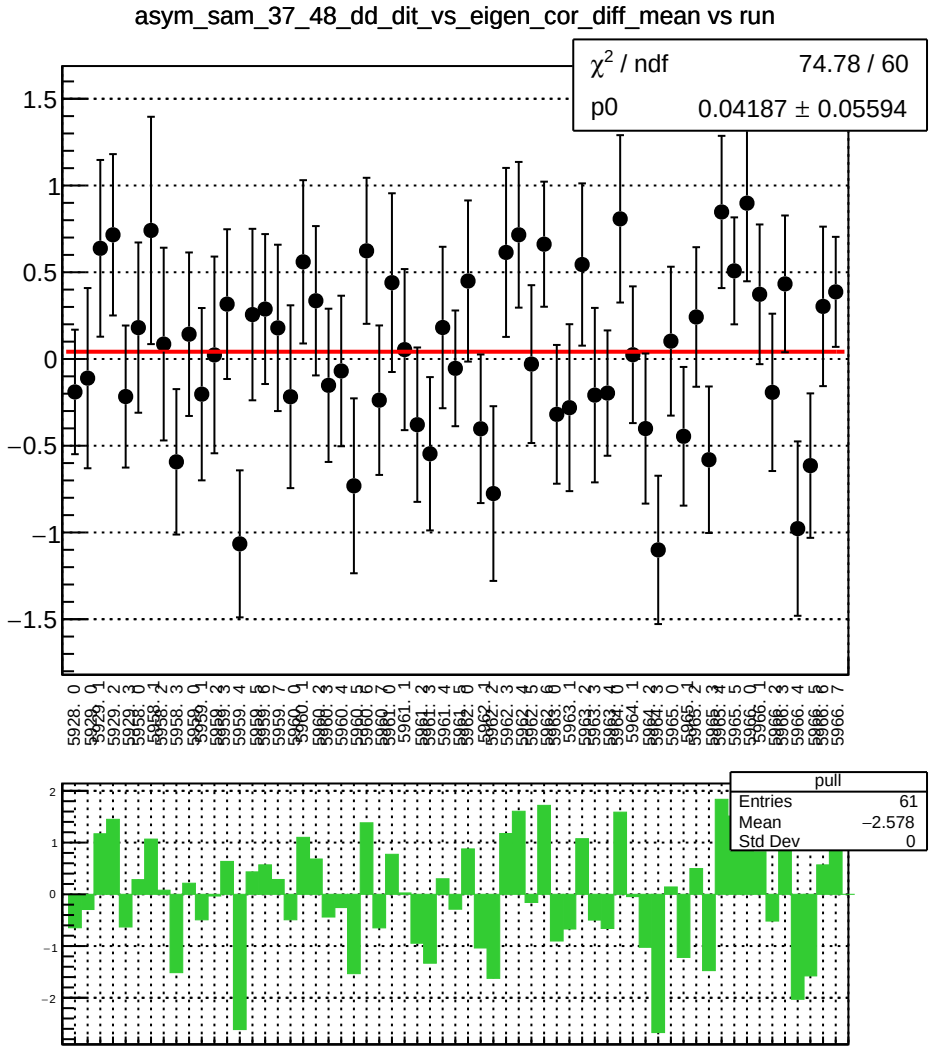

pull1D
Entries 61
Mean 0.3176
Std Dev 0.9936
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

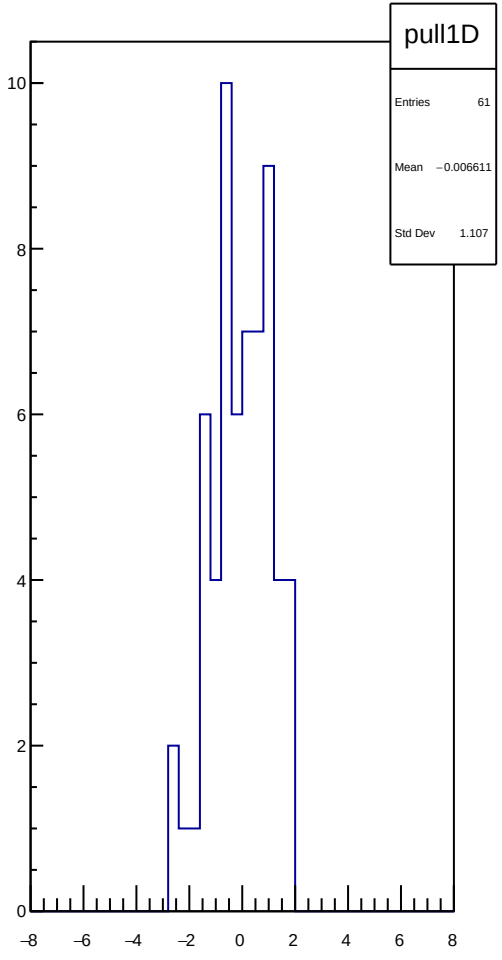

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.685e+05 / 60
p0 1.188e−11 ± 1.824e−14
0.05
0.04
0.03
0.02
0.01
0

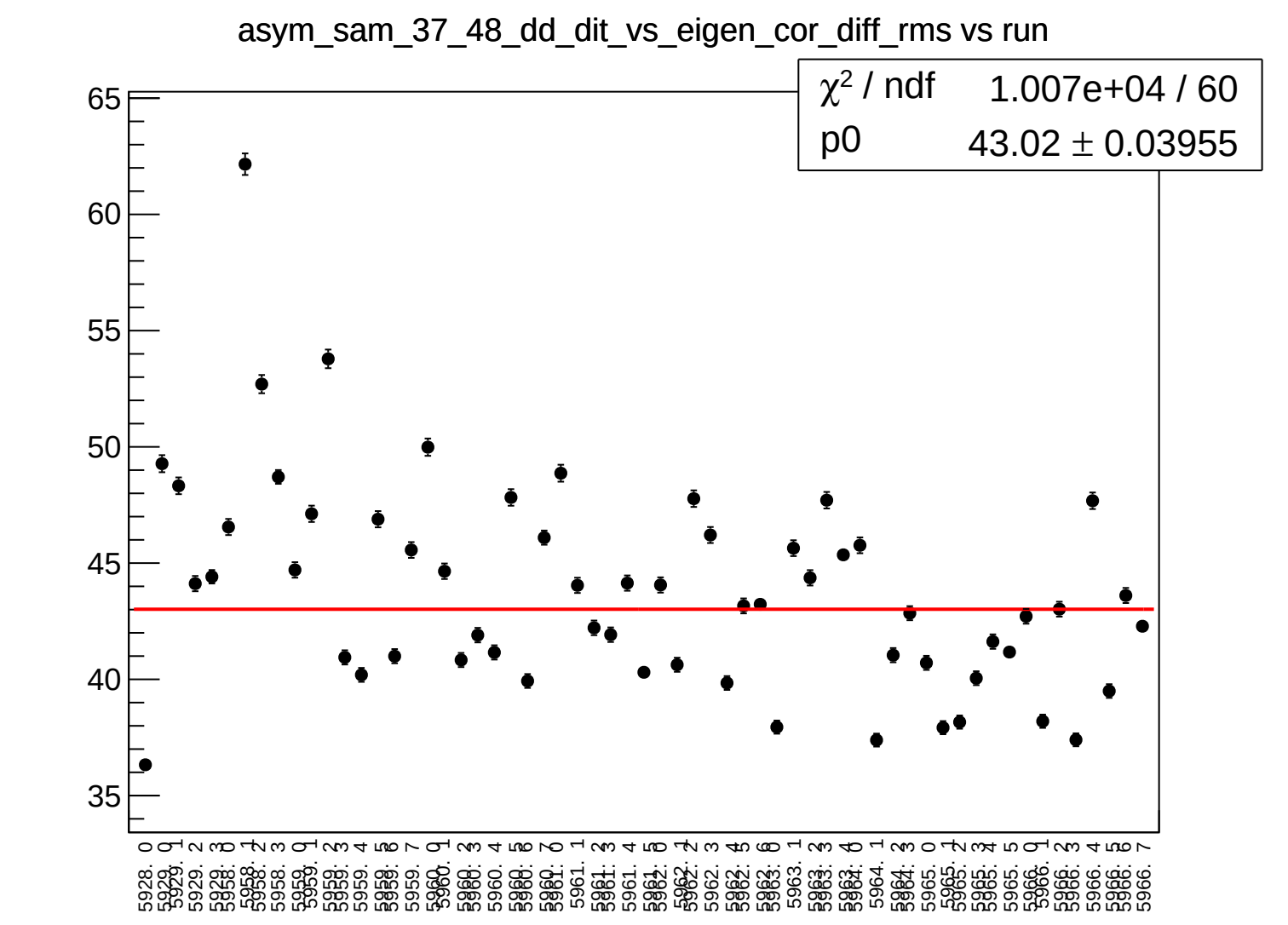

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.78 / 60
p0 0.04187 ± 0.05594
pull
Entries 61
Mean −2.578
Std Dev 0

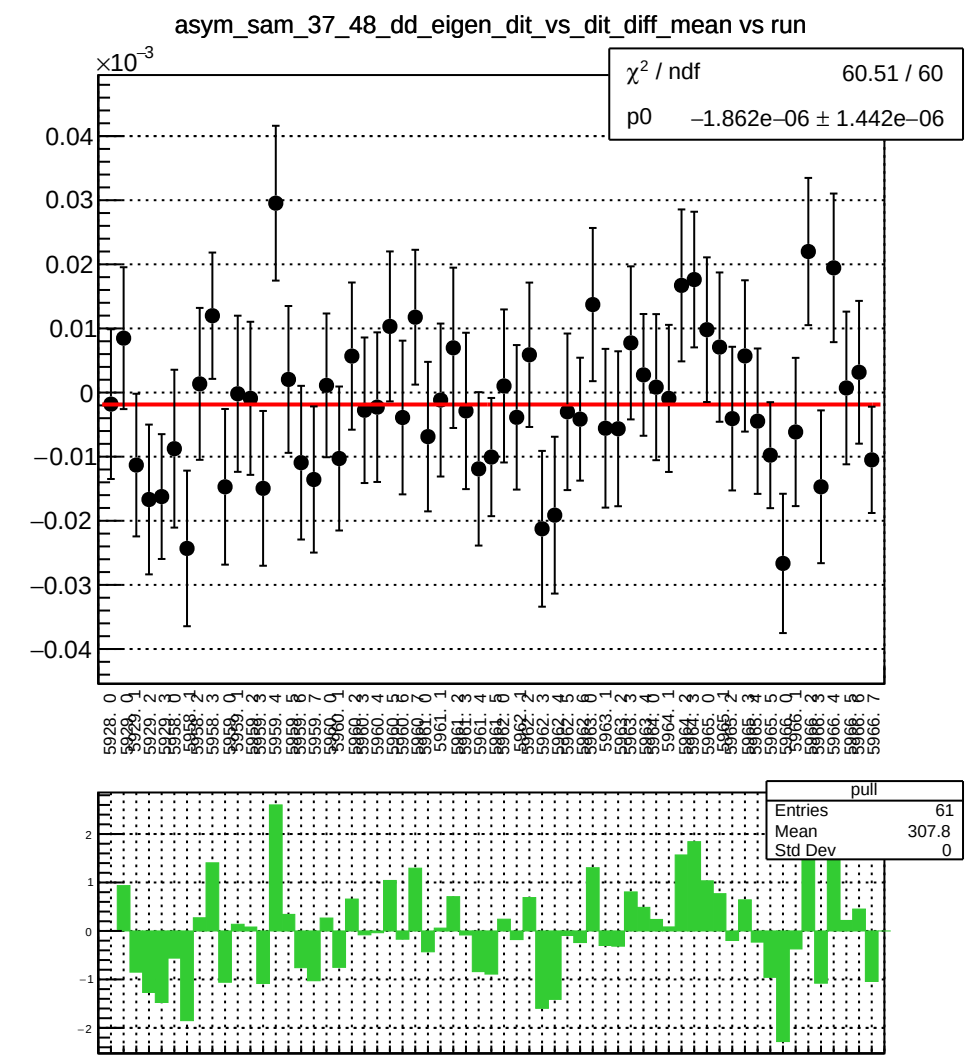

pull1D
Entries 61
Mean −0.006611
Std Dev 1.107

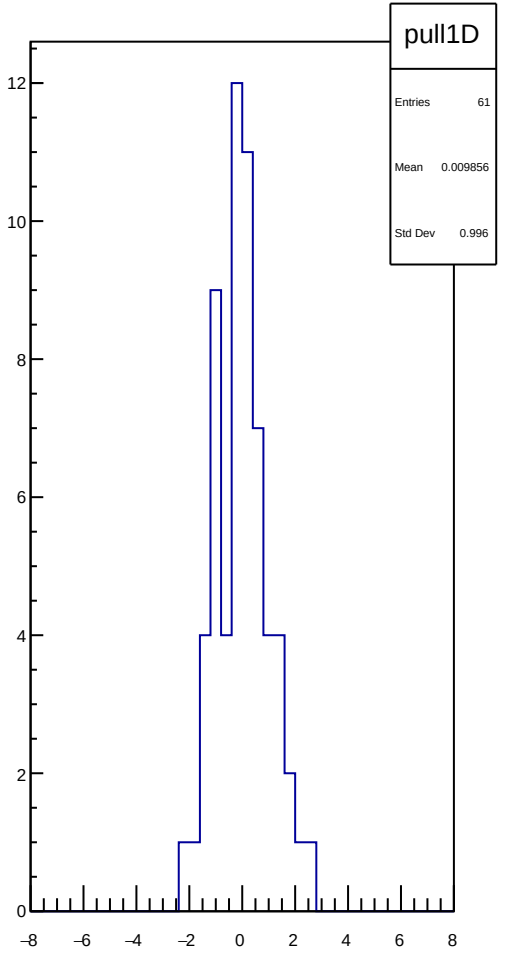

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.007e+04 / 60
p0 43.02 ± 0.03955
65
60
55
50
45
40
35

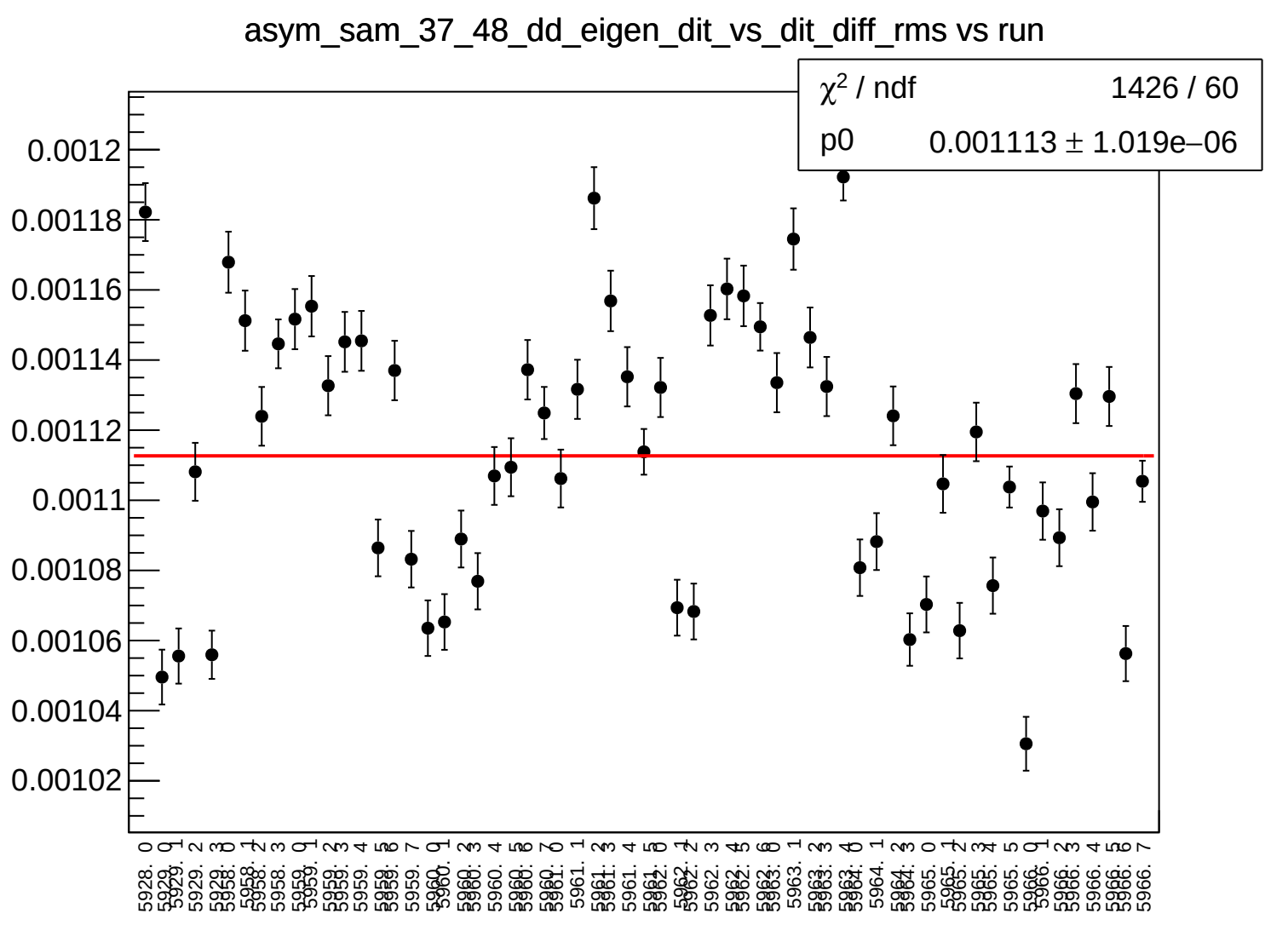

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.78 / 60
p0 0.04187 ± 0.05594
pull
Entries 61
Mean −2.578
Std Dev 0

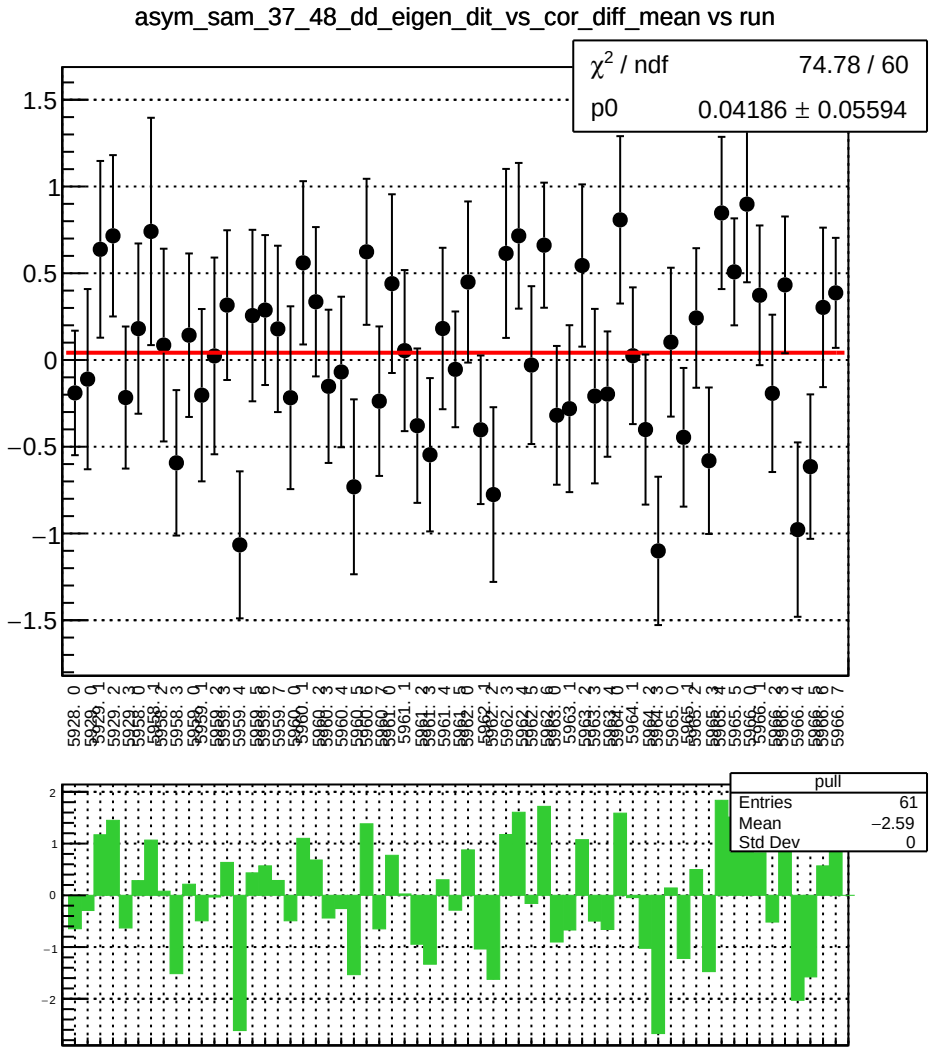

pull1D
Entries 61
Mean −0.006611
Std Dev 1.107

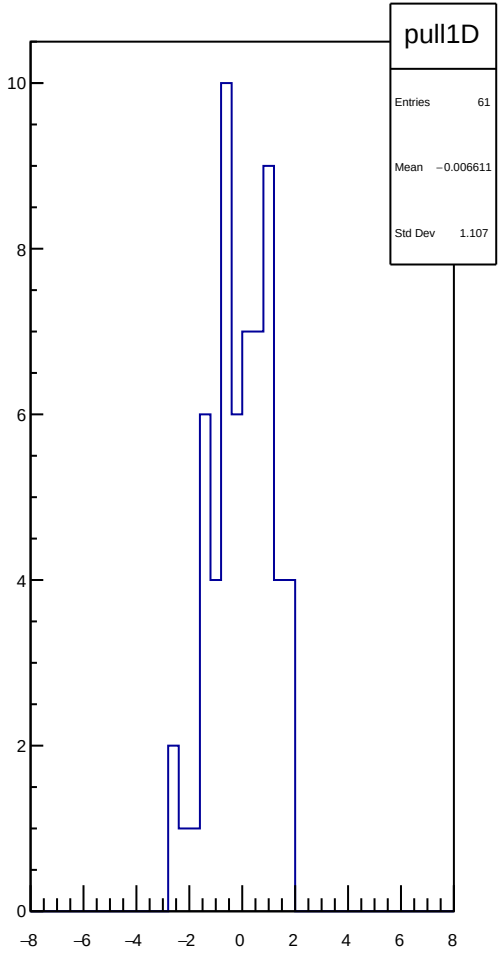

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.007e+04 / 60
p0 43.02 ± 0.03955
65
60
55
50
45
40
35

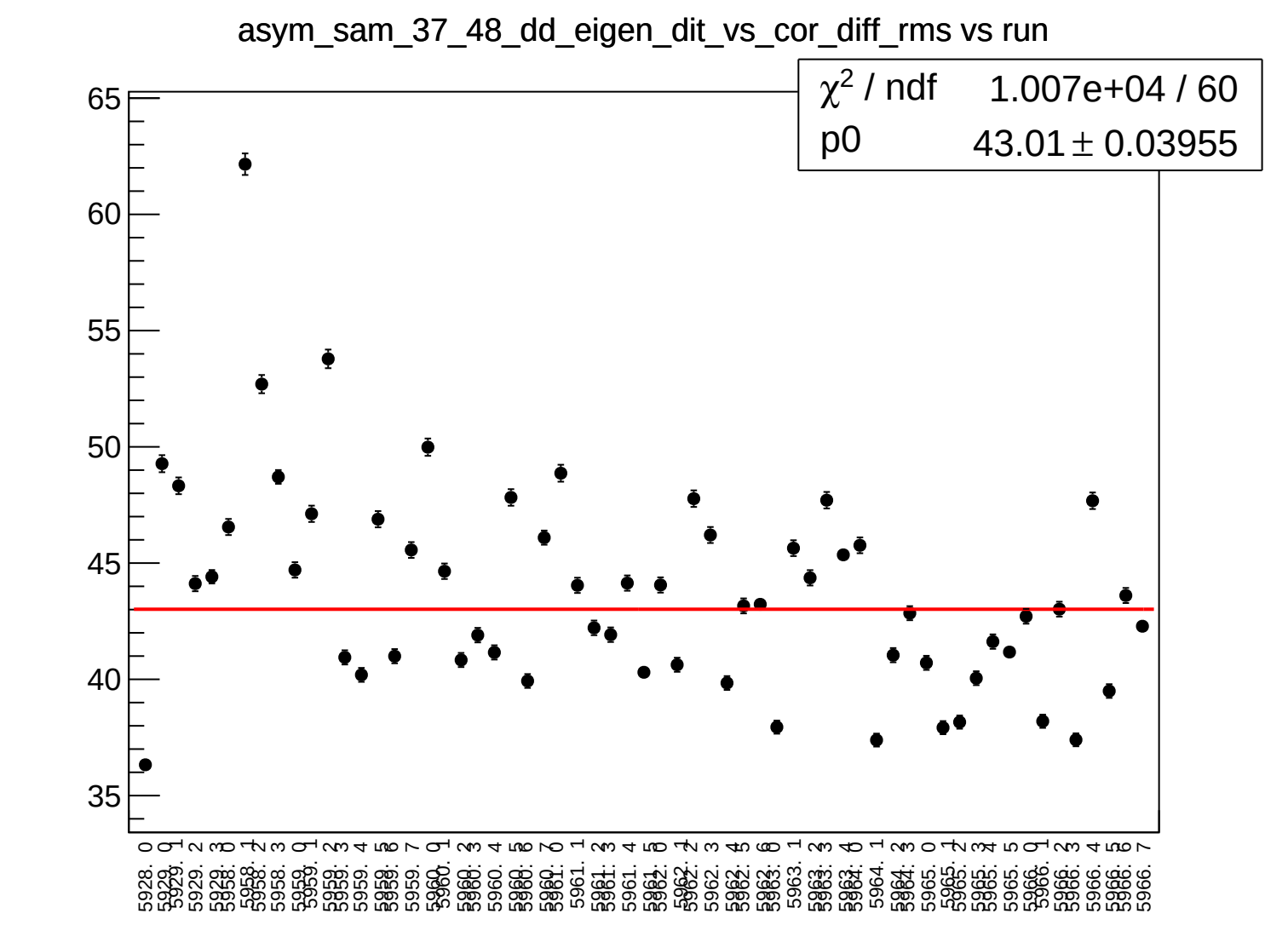

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.51 / 60
p0 −1.862e−06 ± 1.442e−06
pull
Entries 61
Mean 307.8
Std Dev 0

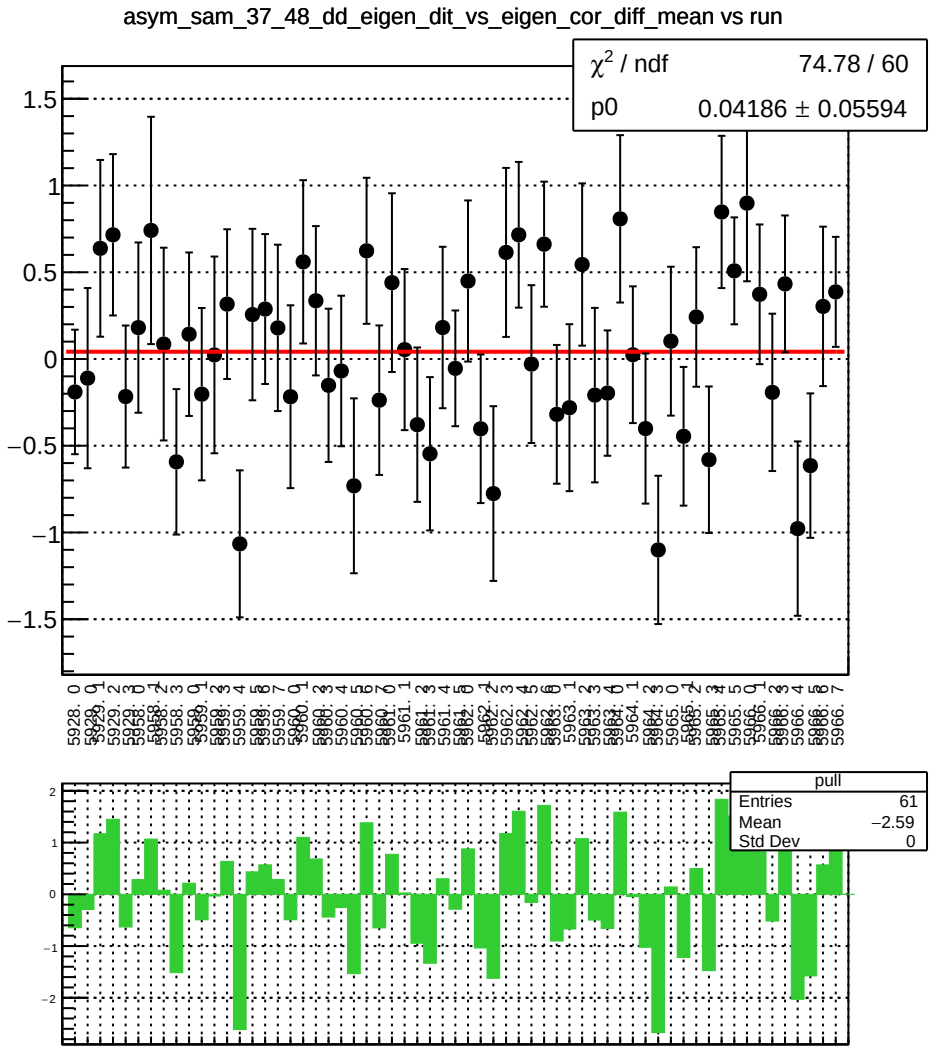

pull1D
Entries 61
Mean 0.009856
Std Dev 0.996

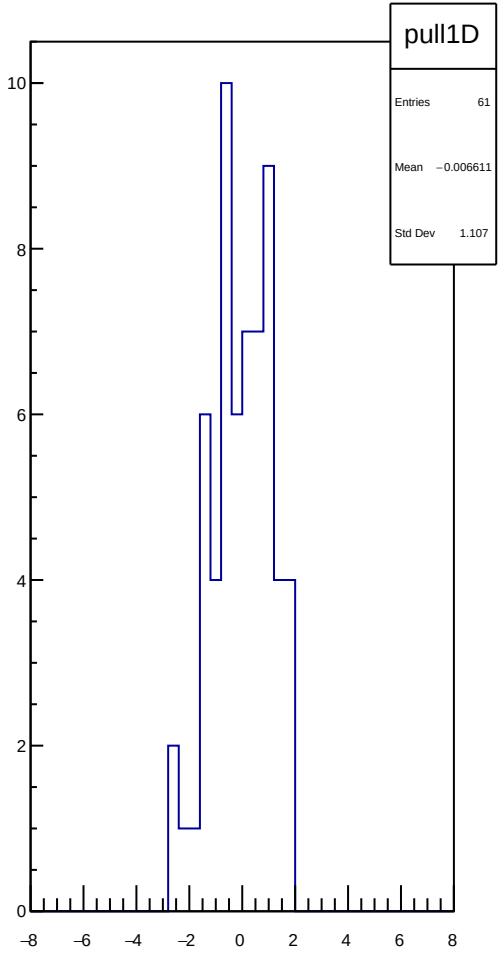

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1426 / 60
p0 0.001113 ± 1.019e−06
0.0012
0.00118
0.00116
0.00114
0.00112
0.0011
0.00108
0.00106
0.00104
0.00102

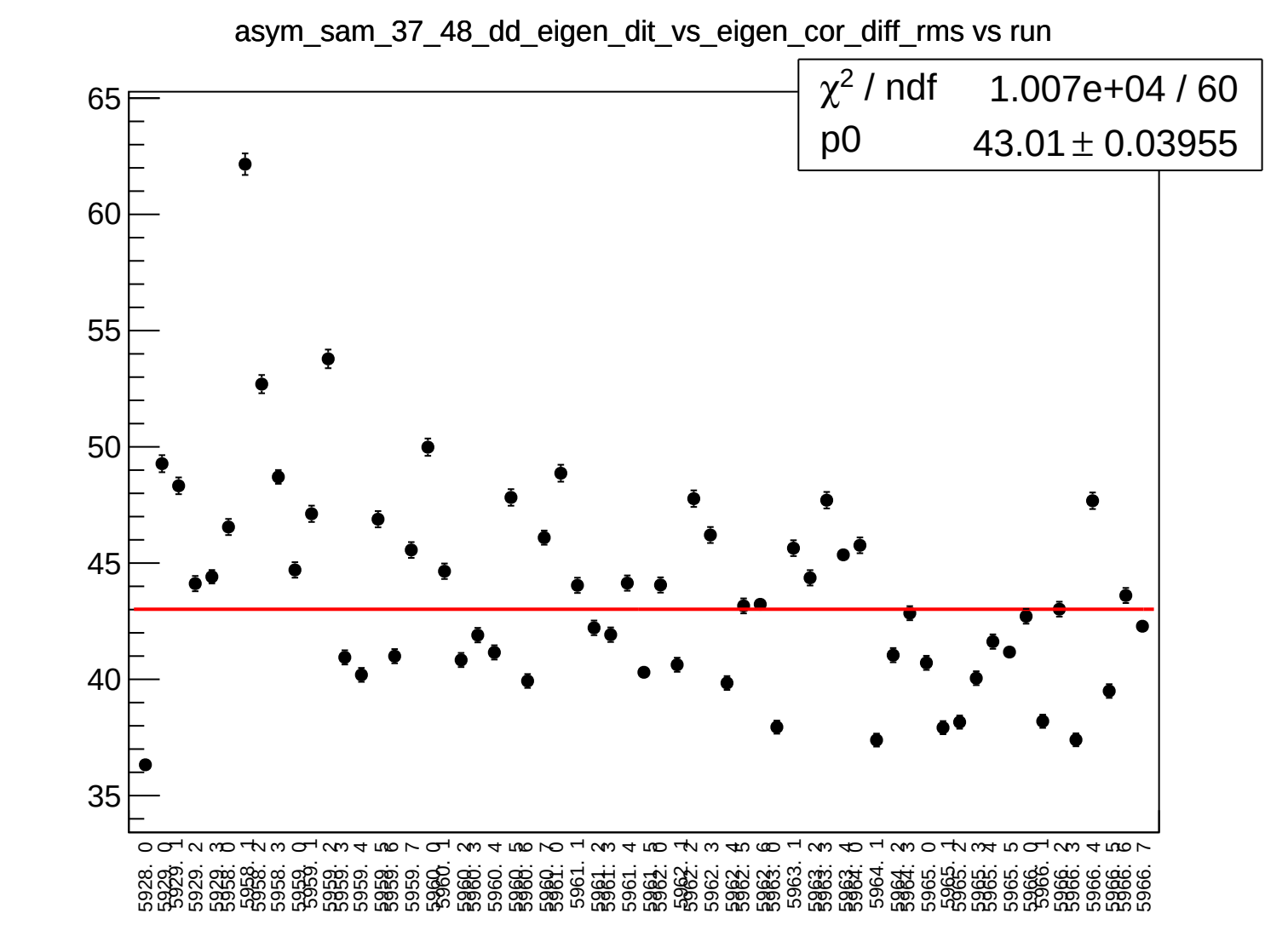

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.78 / 60
p0 0.04186 ± 0.05594
pull
Entries 61
Mean −2.59
Std Dev 0

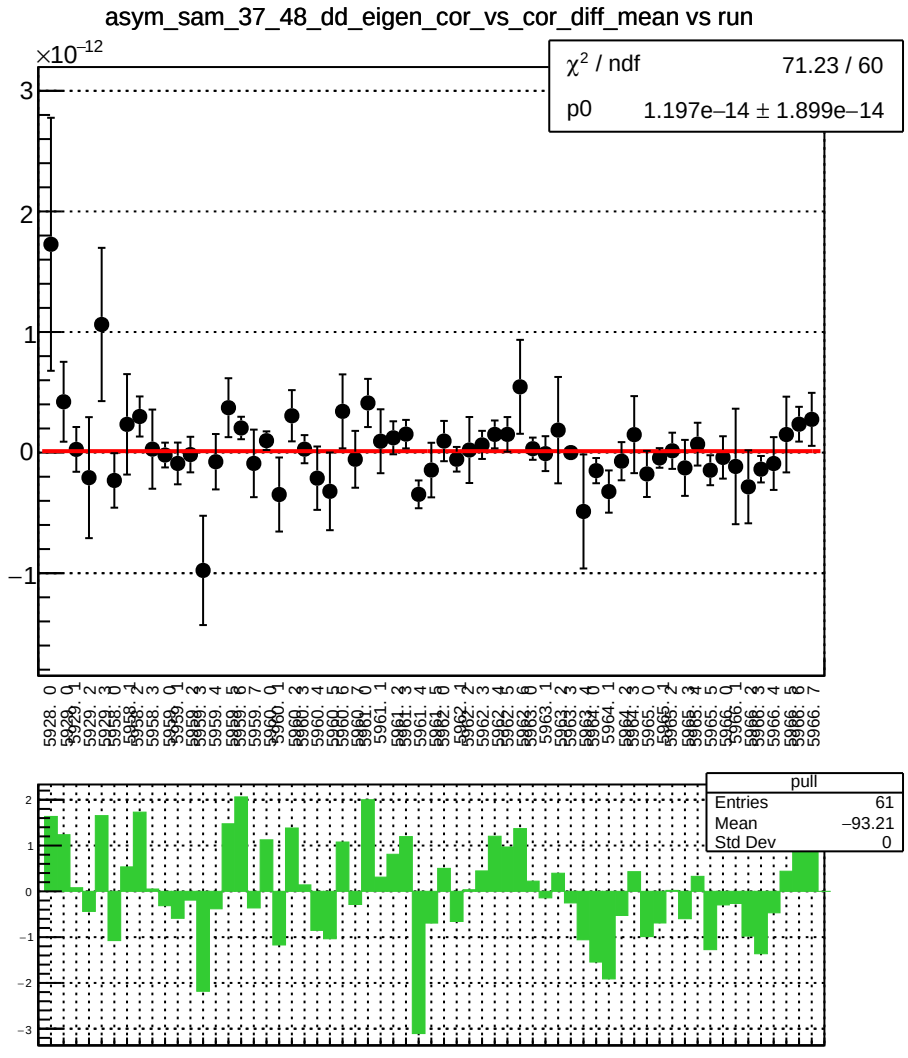

pull1D
Entries 61
Mean −0.006611
Std Dev 1.107

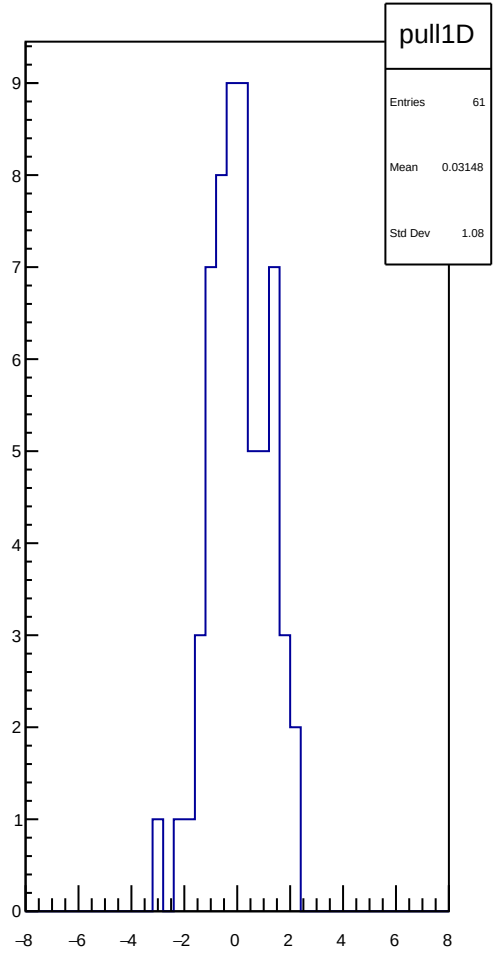

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.007e+04 / 60
p0 43.01 ± 0.03955
65
60
55
50
45
40
35

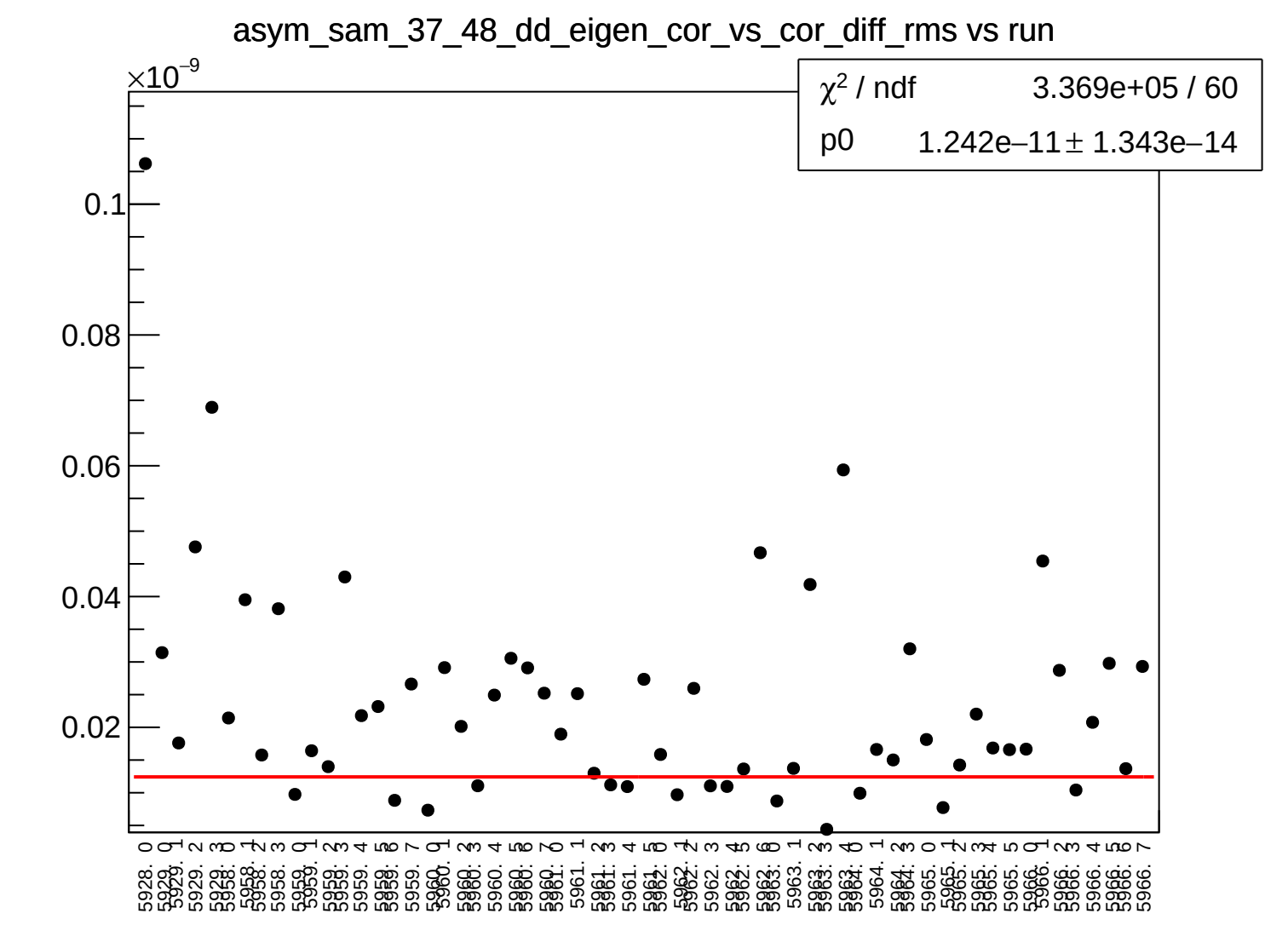

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.78 / 60
p0 0.04186 ± 0.05594
pull
Entries 61
Mean −2.59
Std Dev 0

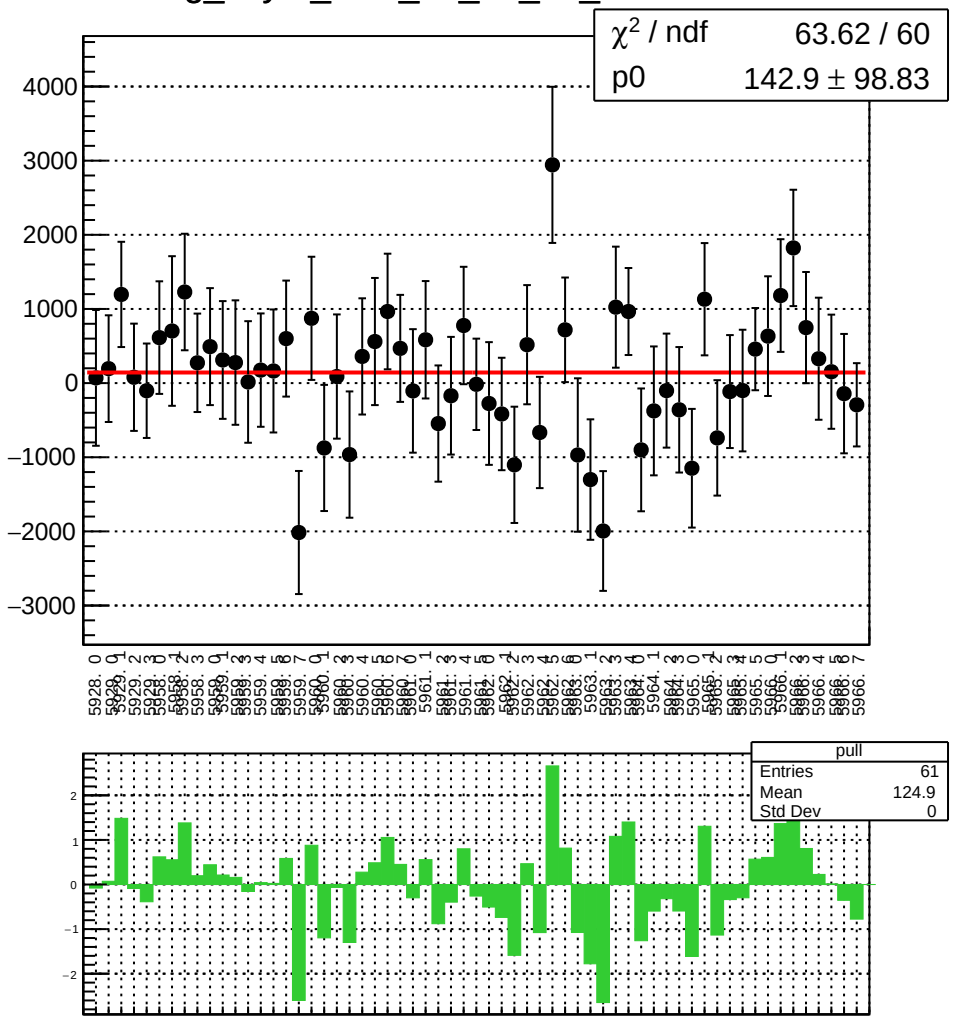

pull1D
Entries 61
Mean −0.006611
Std Dev 1.107

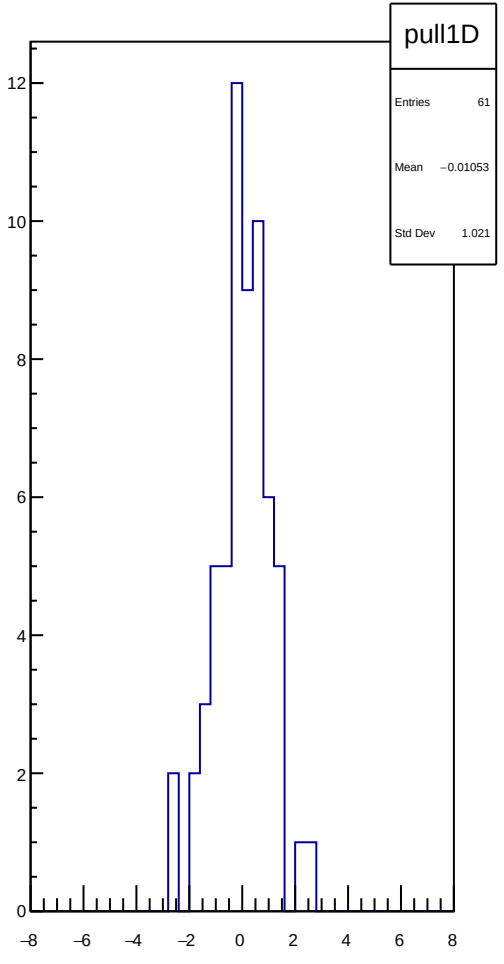

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.007e+04 / 60
p0 43.01 ± 0.03955
65
60
55
50
45
40
35

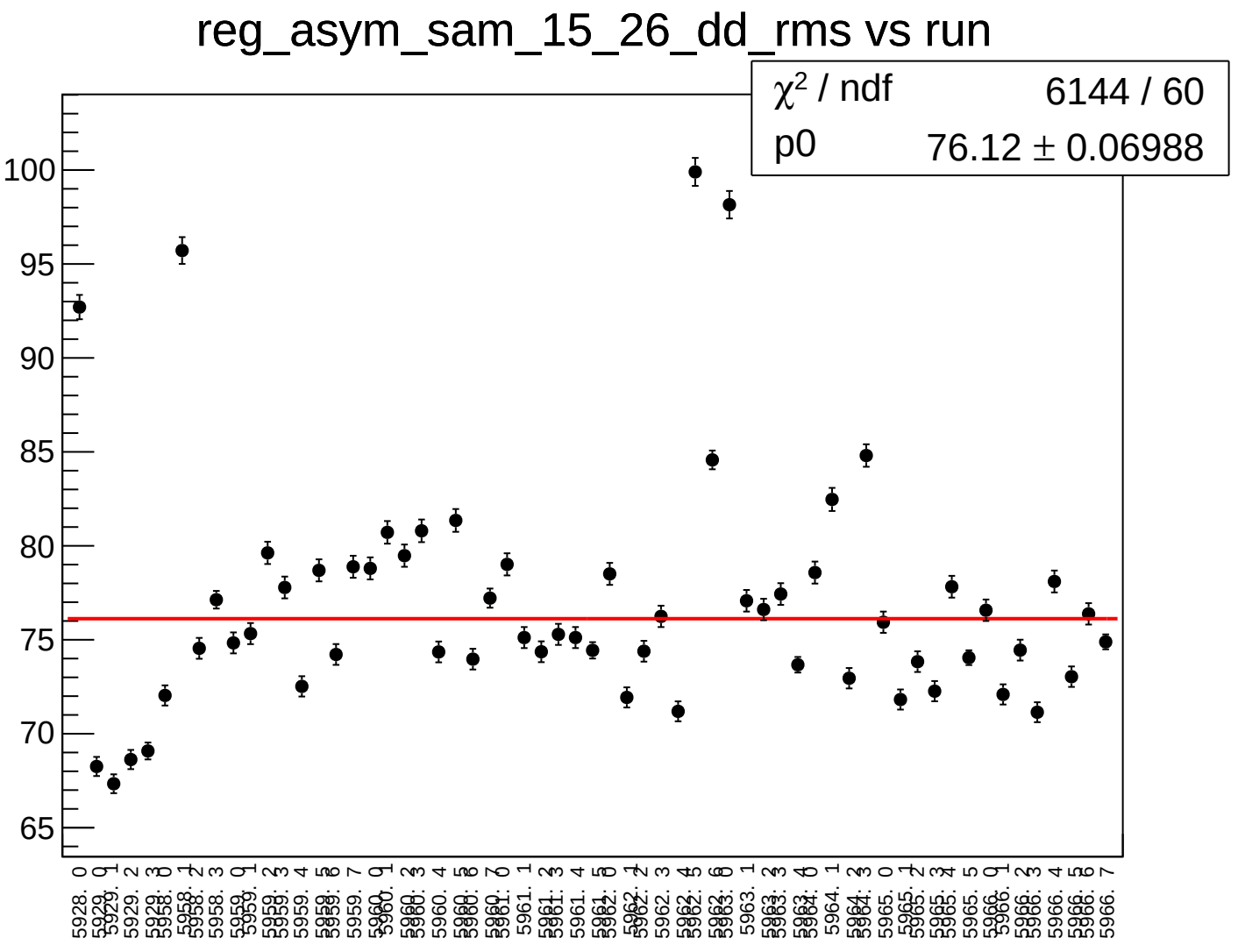

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.23 / 60
p0 1.197e−14 ± 1.899e−14
pull
Entries 61
Mean −93.21
Std Dev 0

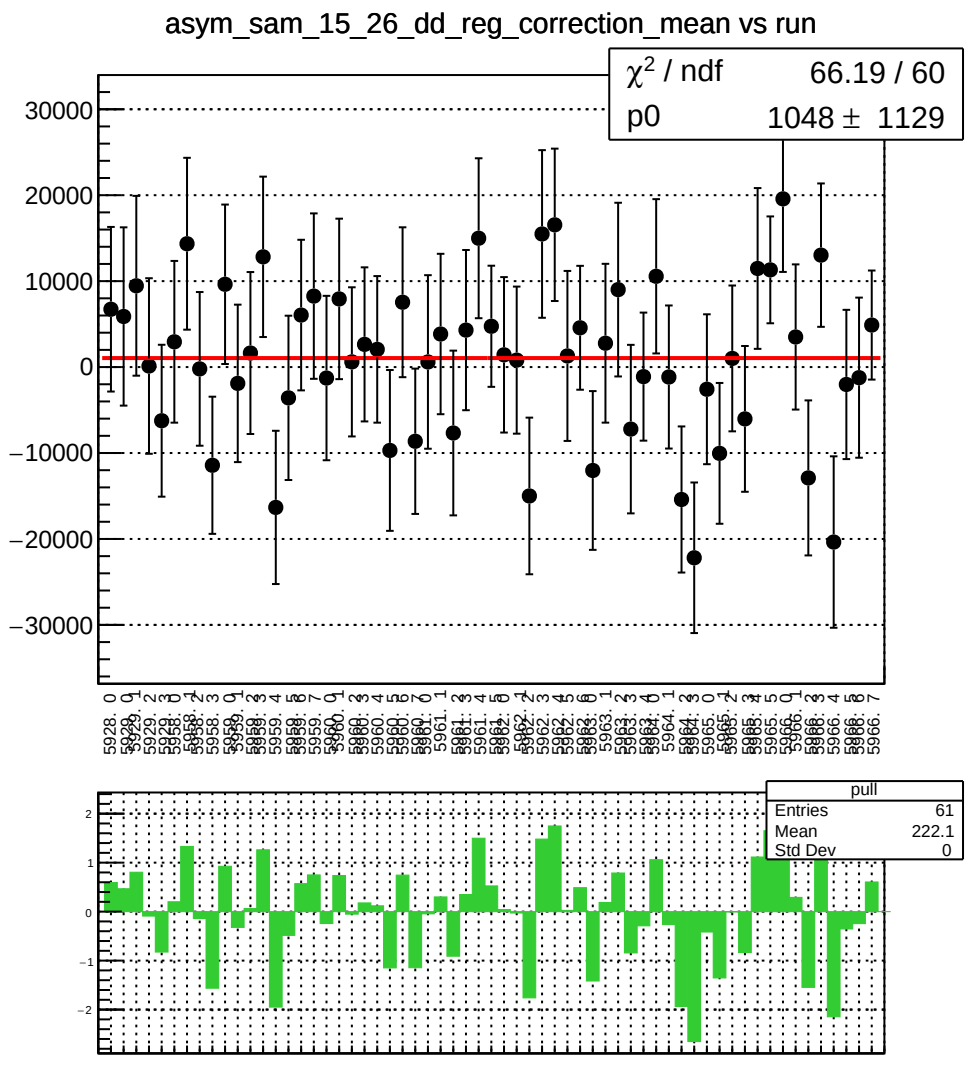

pull1D
Entries 61
Mean 0.03148
Std Dev 1.08

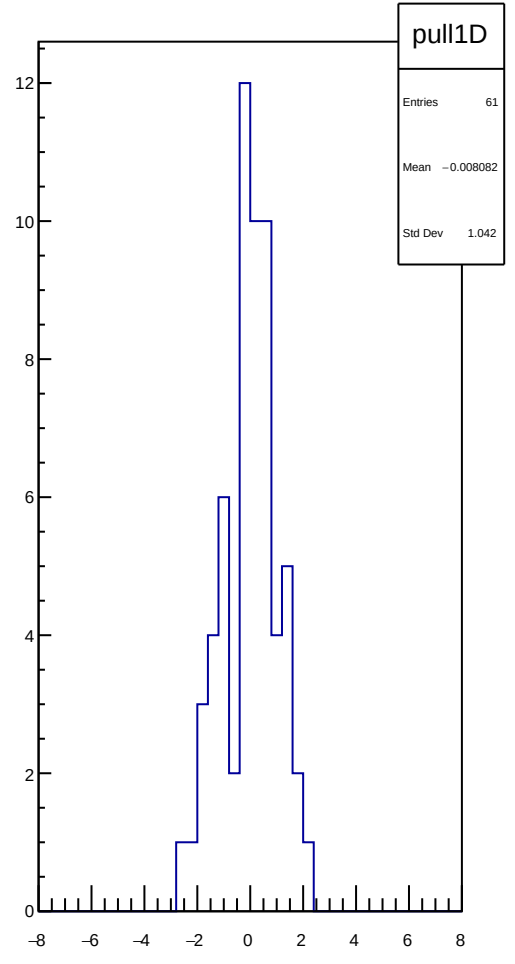

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.369e+05 / 60
p0 1.242e−11 ± 1.343e−14
0.1
0.08
0.06
0.04
0.02

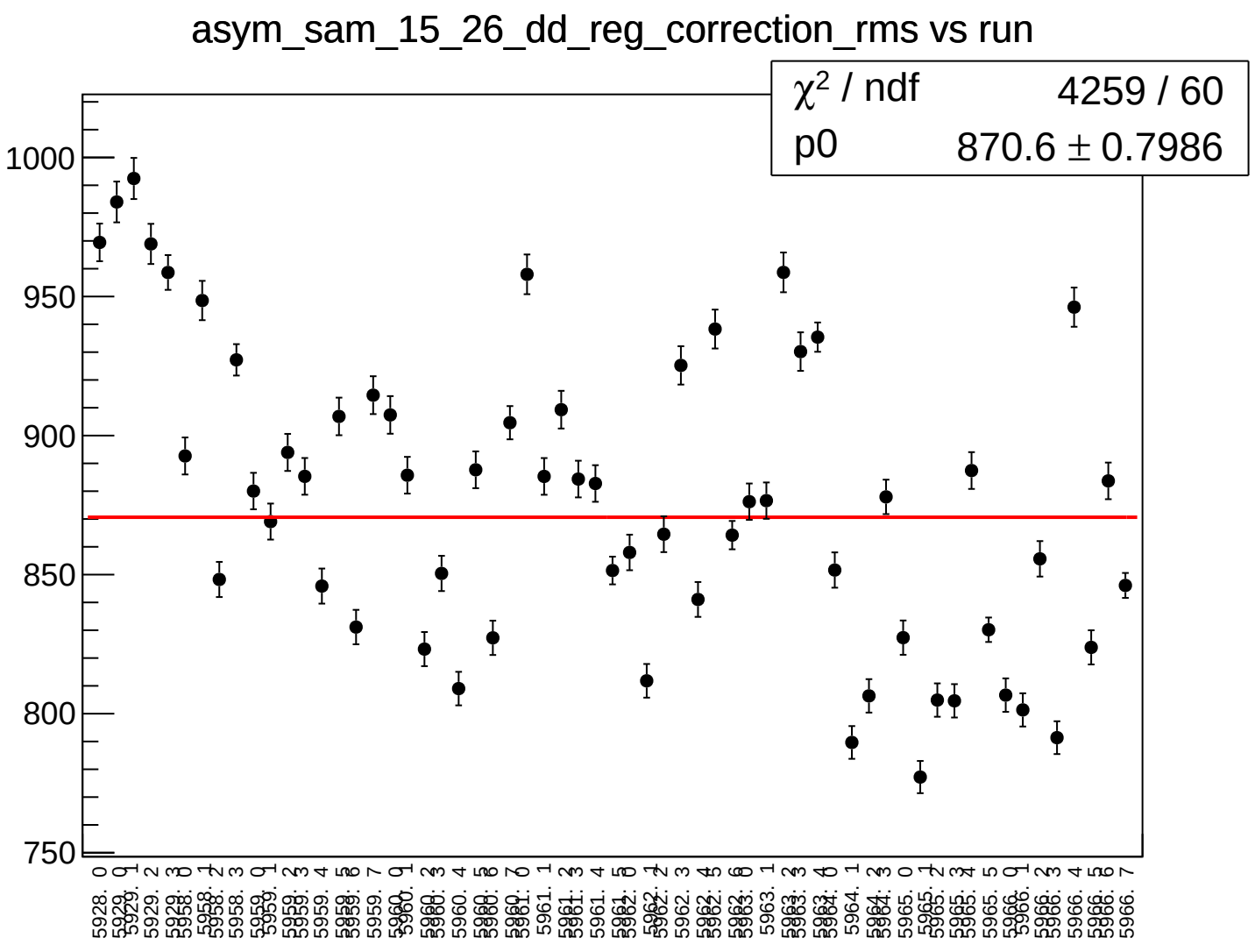

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.62 / 60
p0 142.9 ± 98.83
pull
Entries 61
Mean 124.9
Std Dev 0

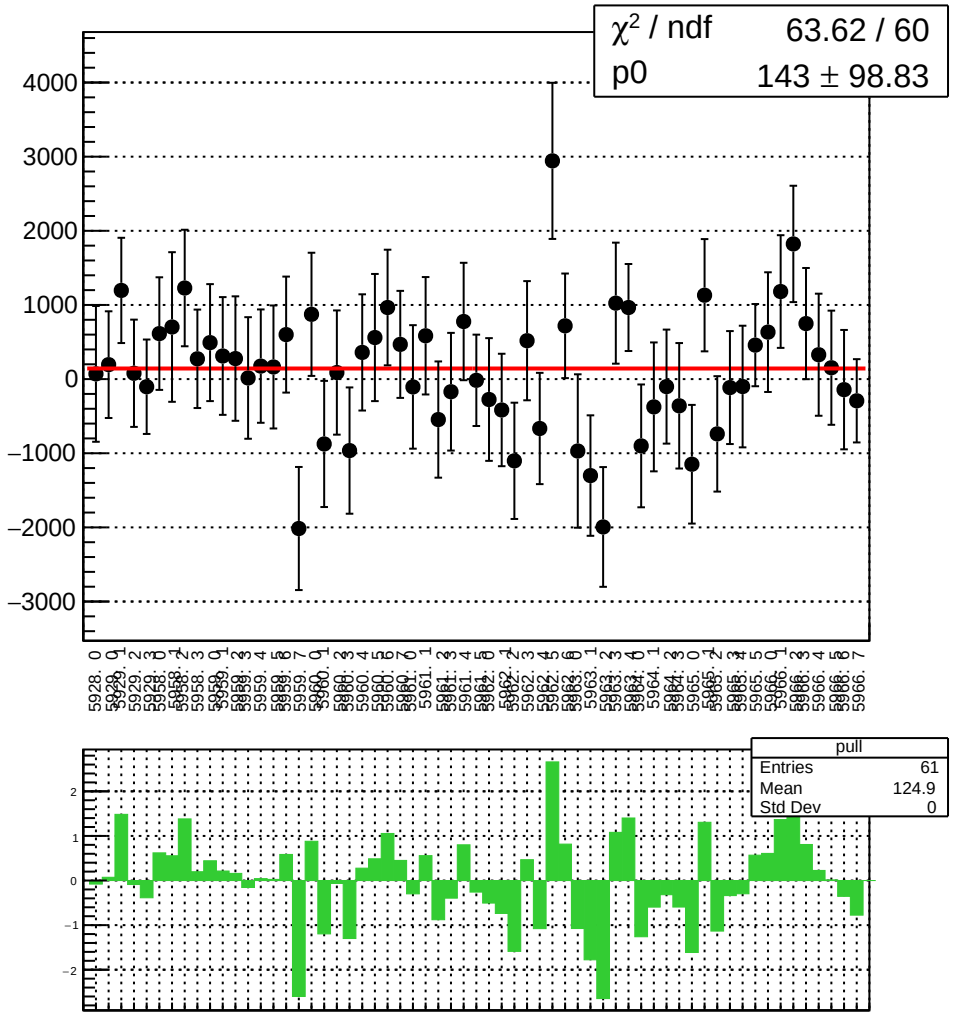

pull1D
Entries 61
Mean −0.01053
Std Dev 1.021

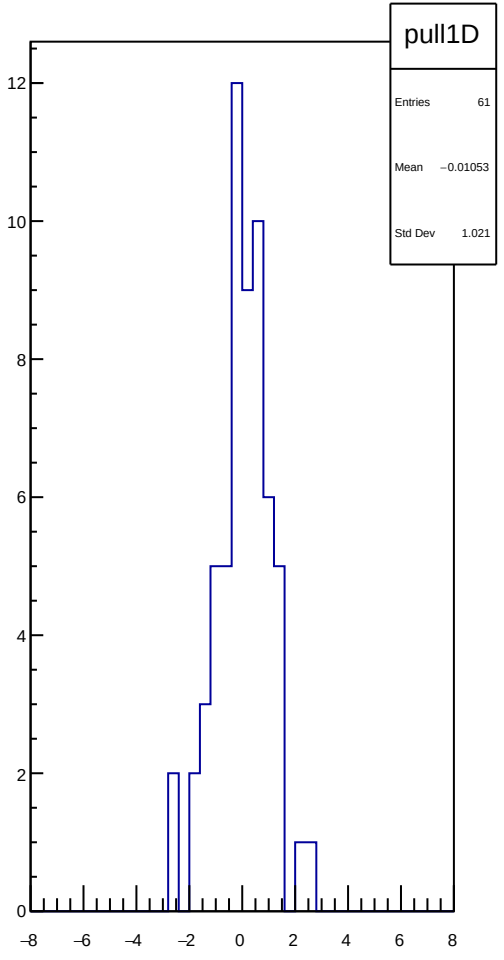

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 6144 / 60
p0 76.12 ± 0.06988
100
95
90
85
80
75
70
65

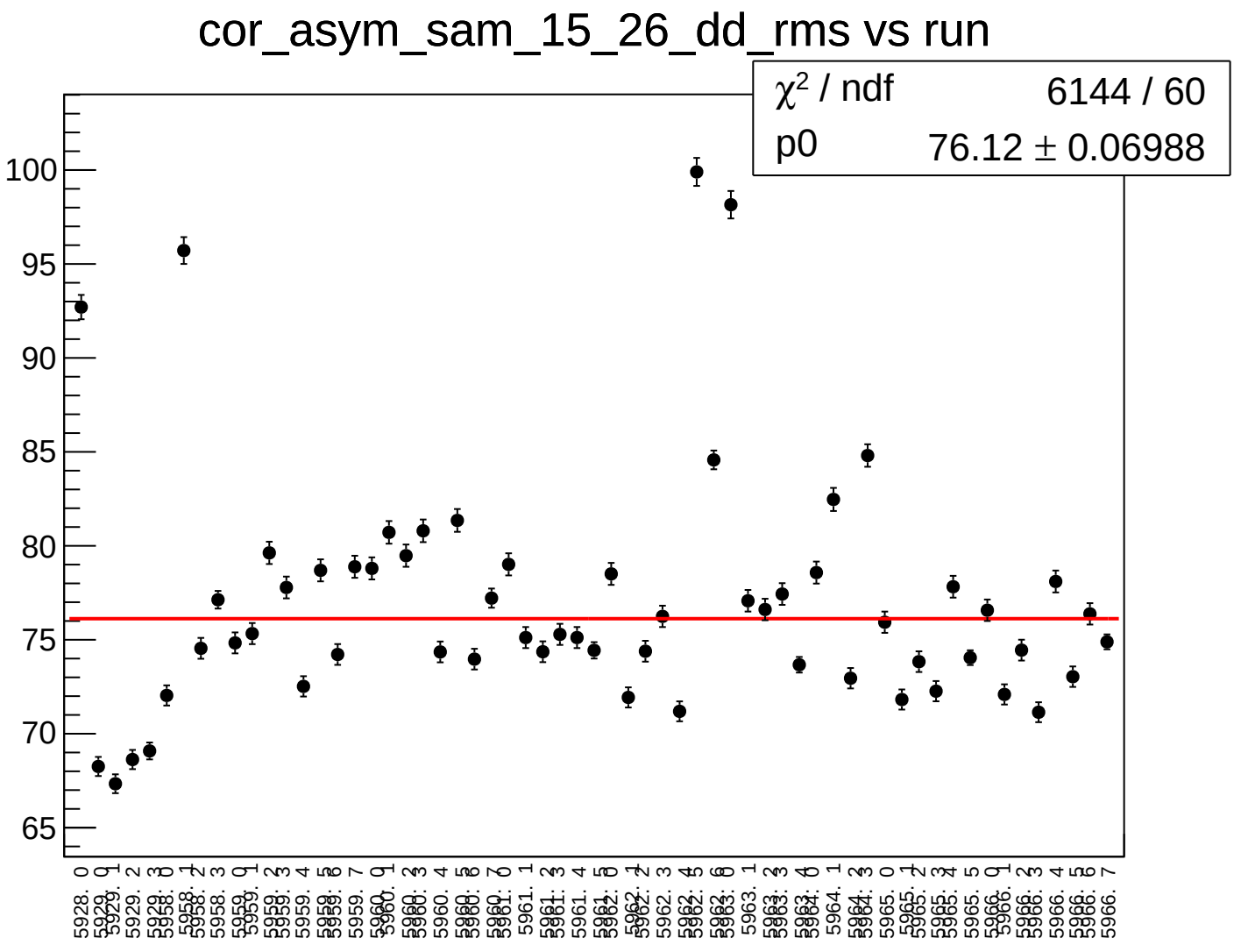

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 66.19 / 60
p0 1048 ± 1129
pull
Entries 61
Mean 222.1
Std Dev 0

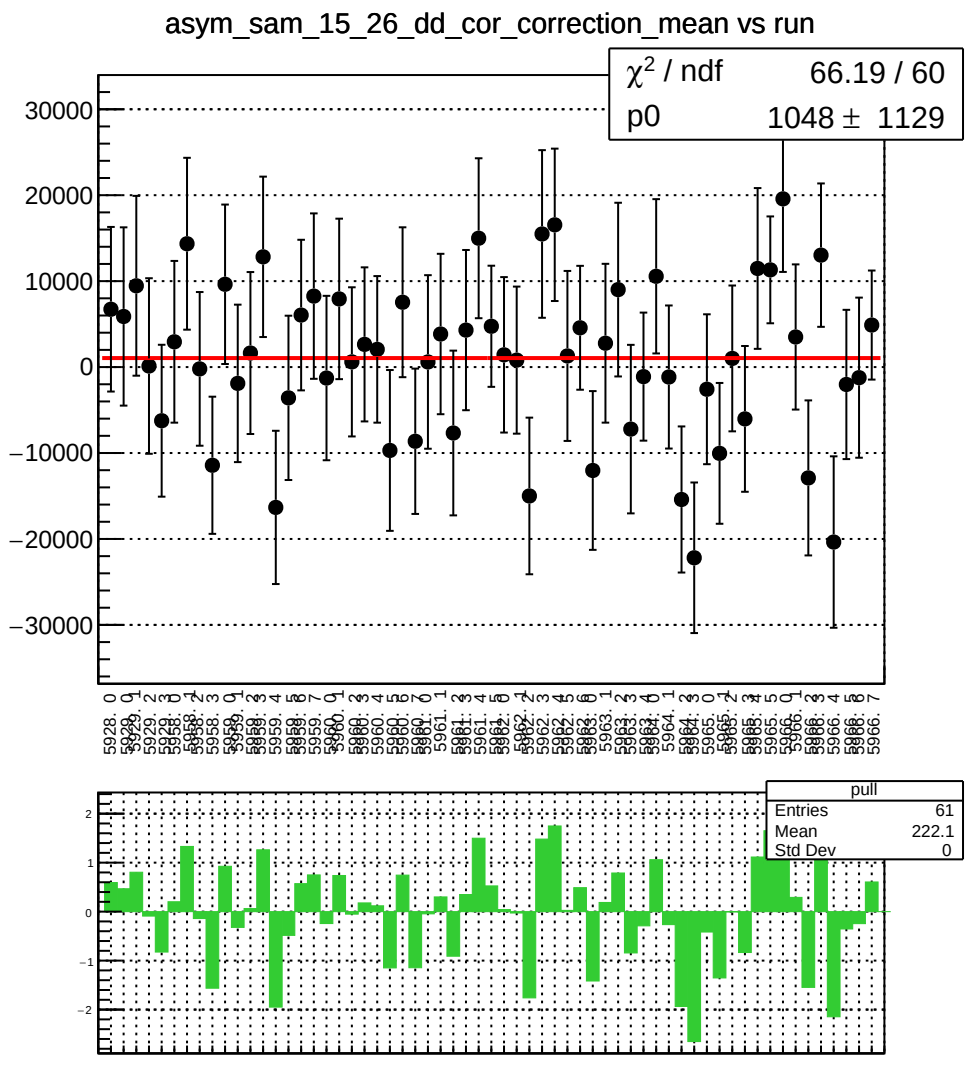

pull1D
Entries 61
Mean −0.008082
Std Dev 1.042

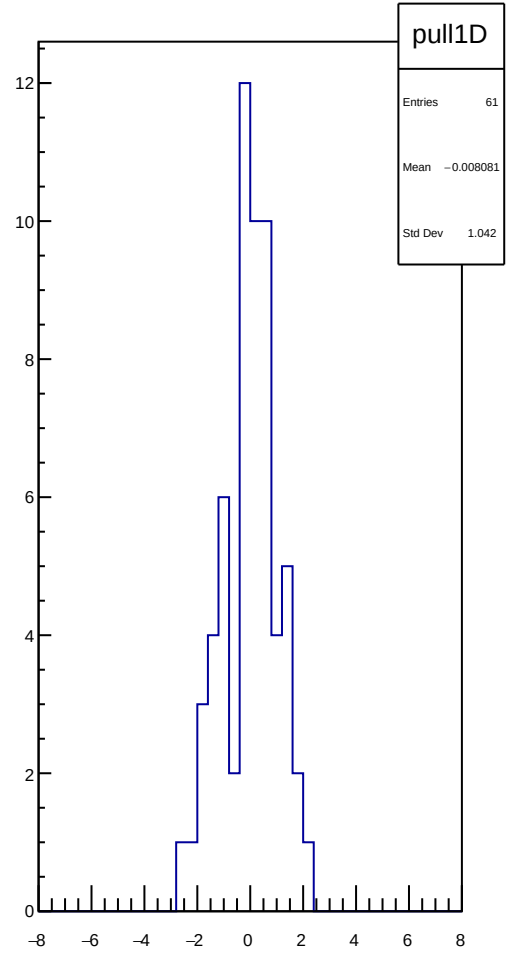

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 4259 / 60
p0 870.6 ± 0.7986
1000
950
900
850
800
750

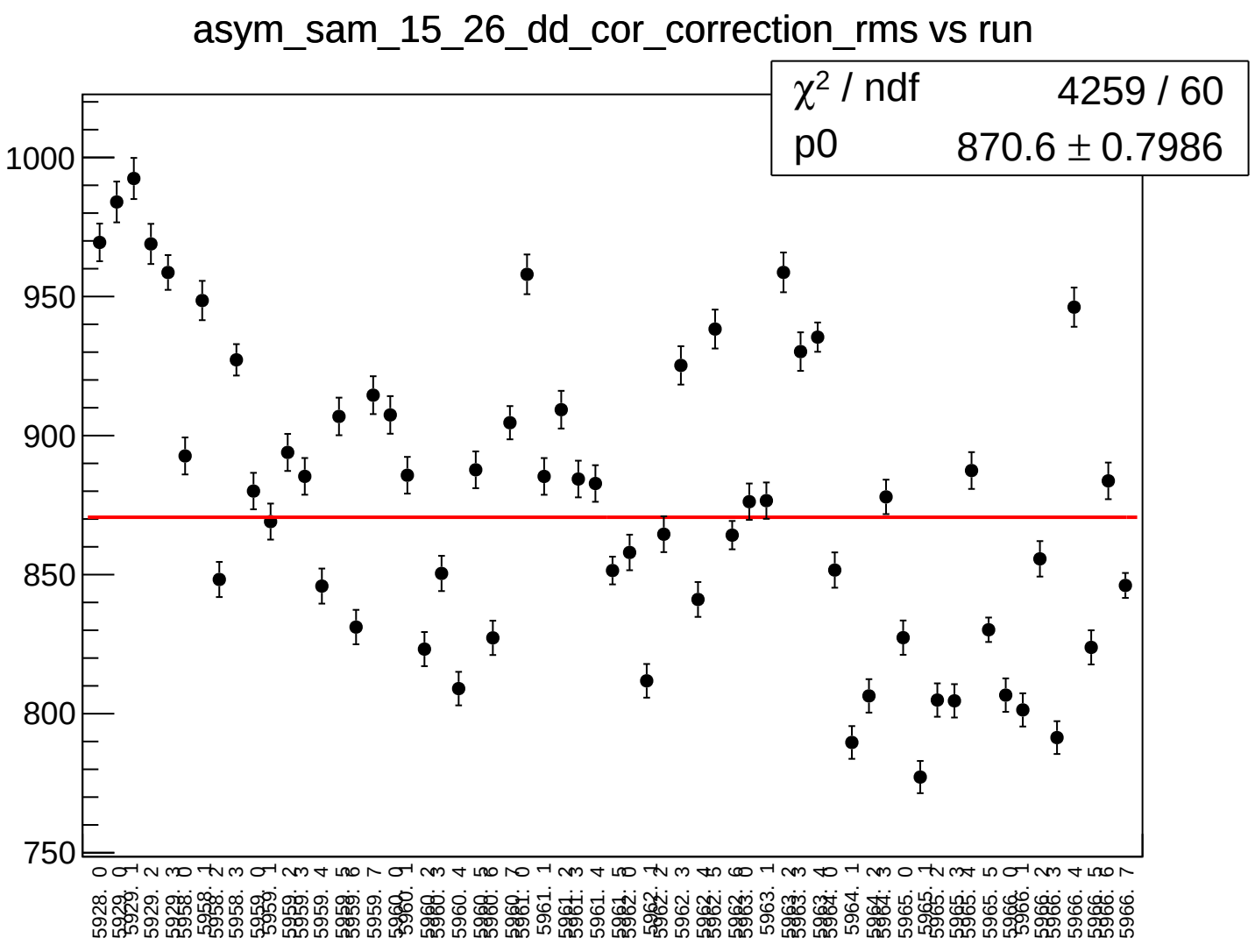

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.62 / 60
p0 143 ± 98.83
pull
Entries 61
Mean 124.9
Std Dev 0

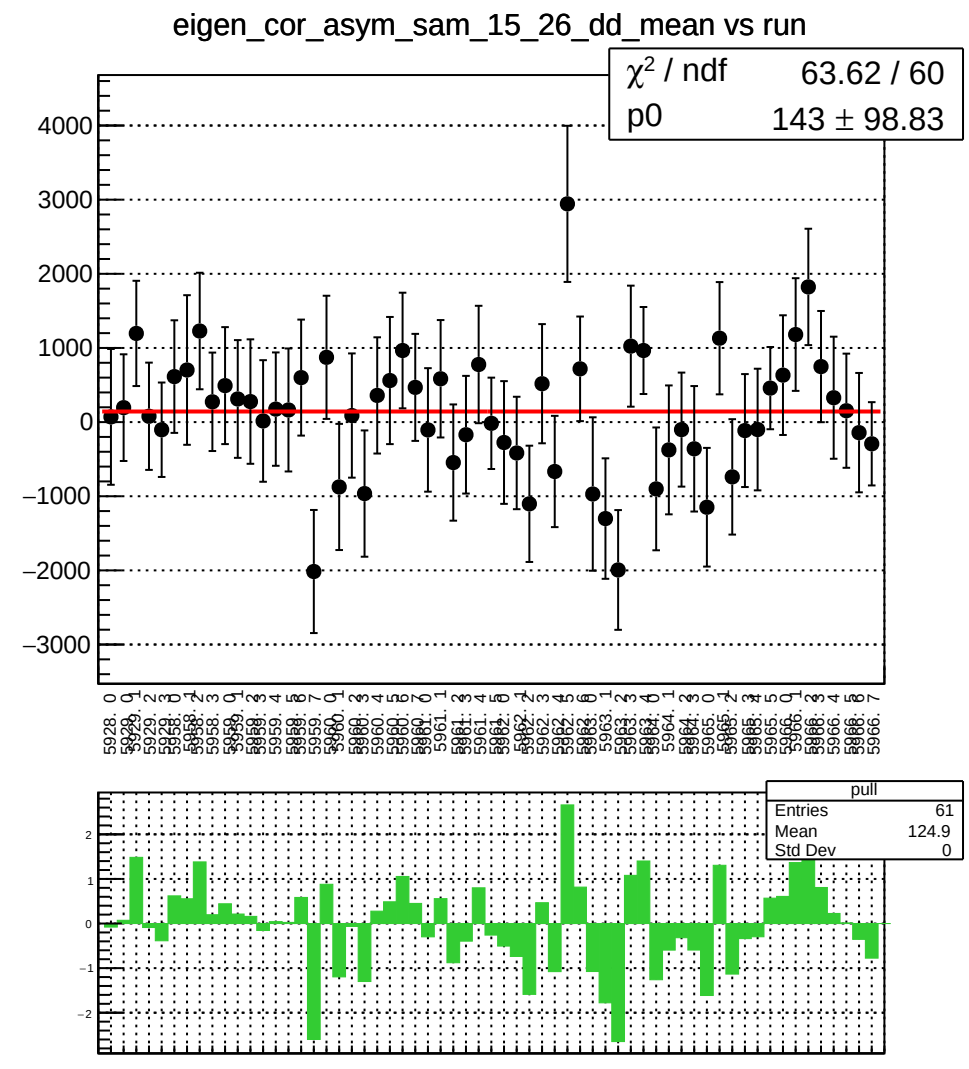

pull1D
Entries 61
Mean −0.01053
Std Dev 1.021

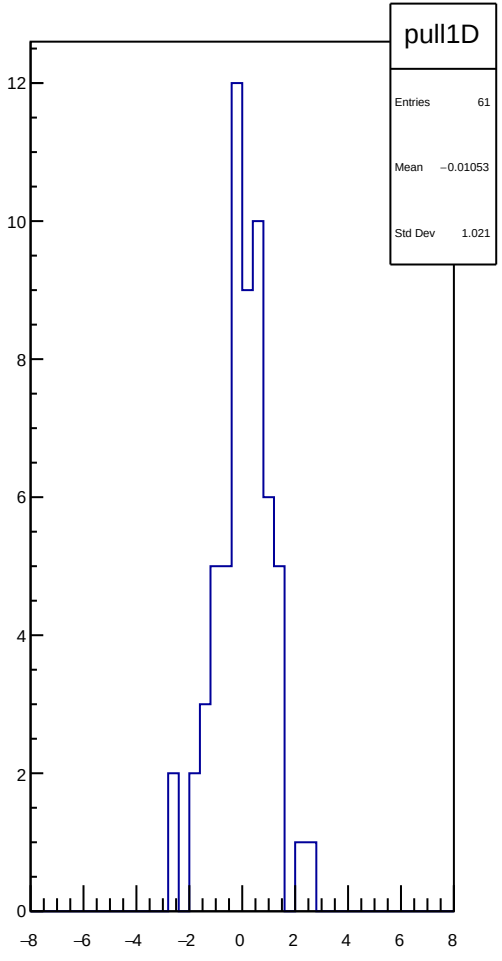

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 6144 / 60
p0 76.12 ± 0.06988
100
95
90
85
80
75
70
65

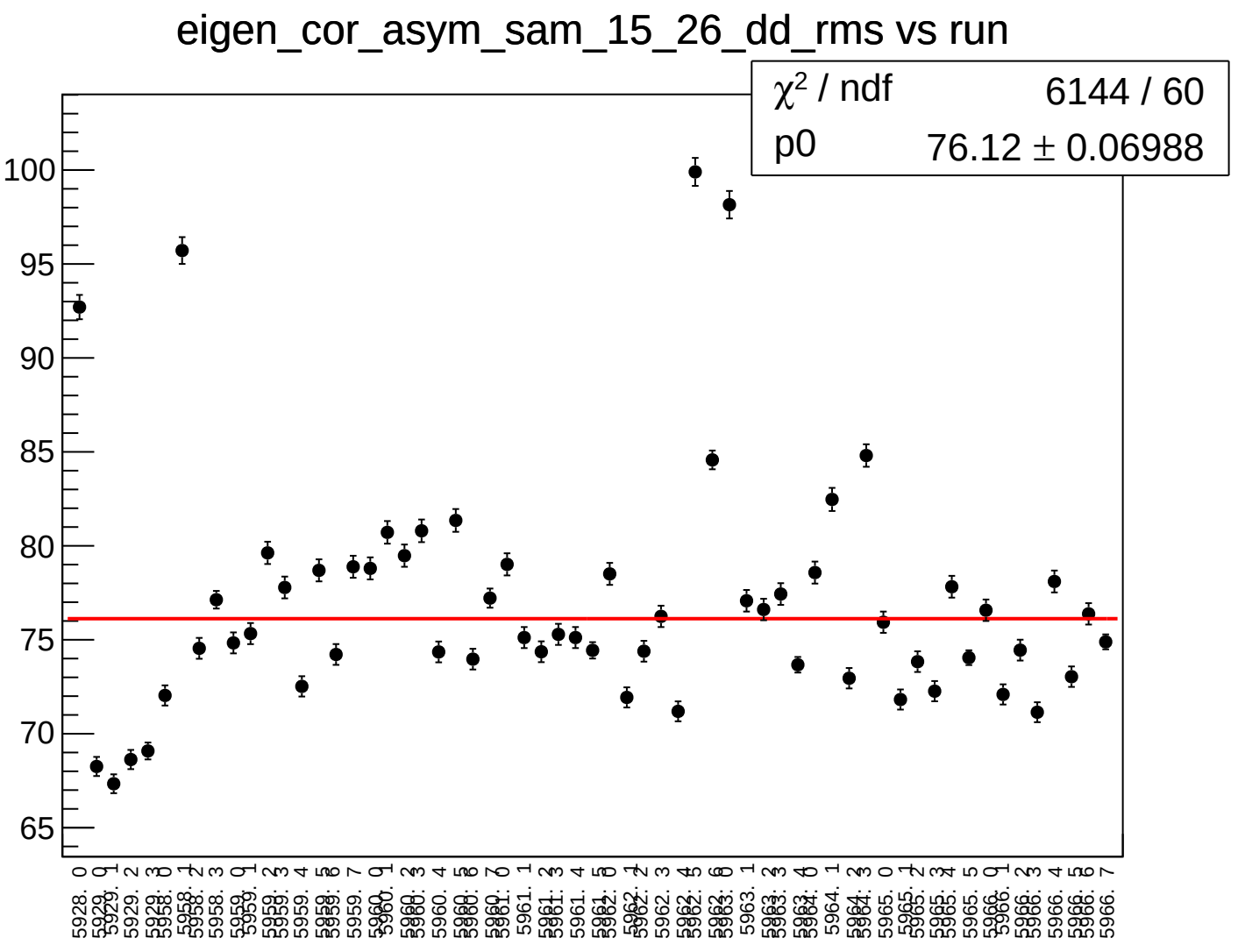

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 66.19 / 60
p0 1048 ± 1129
pull
Entries 61
Mean 222.1
Std Dev 0

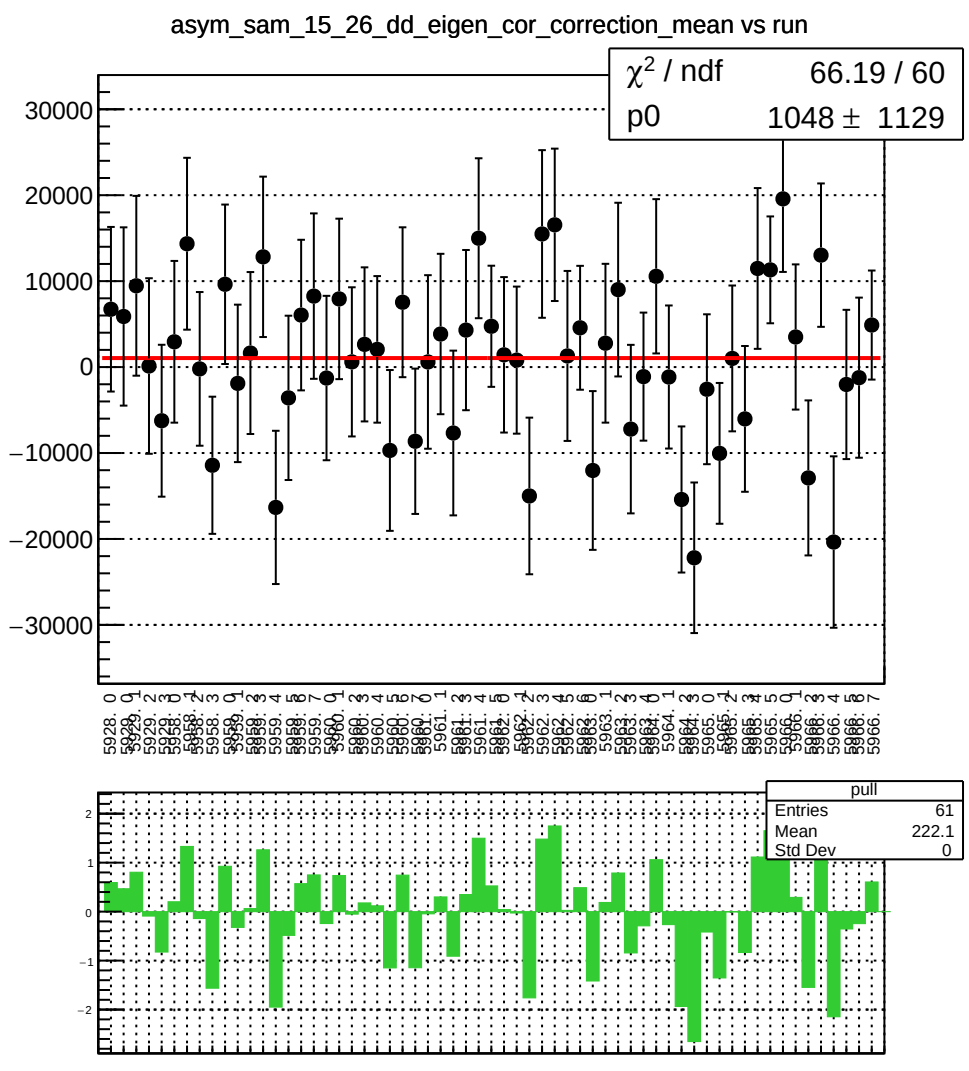

pull1D
Entries 61
Mean −0.008081
Std Dev 1.042

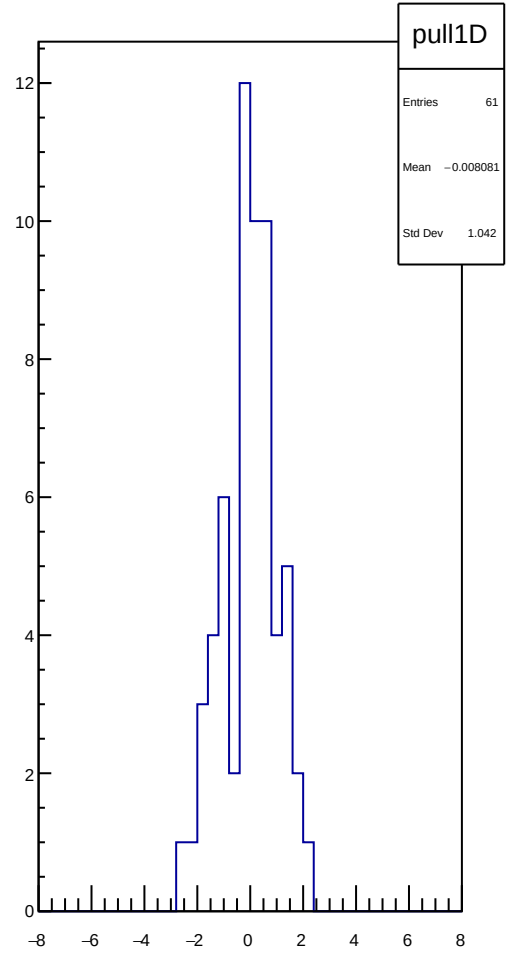

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 4259 / 60
p0 870.6 ± 0.7986
1000
950
900
850
800
750

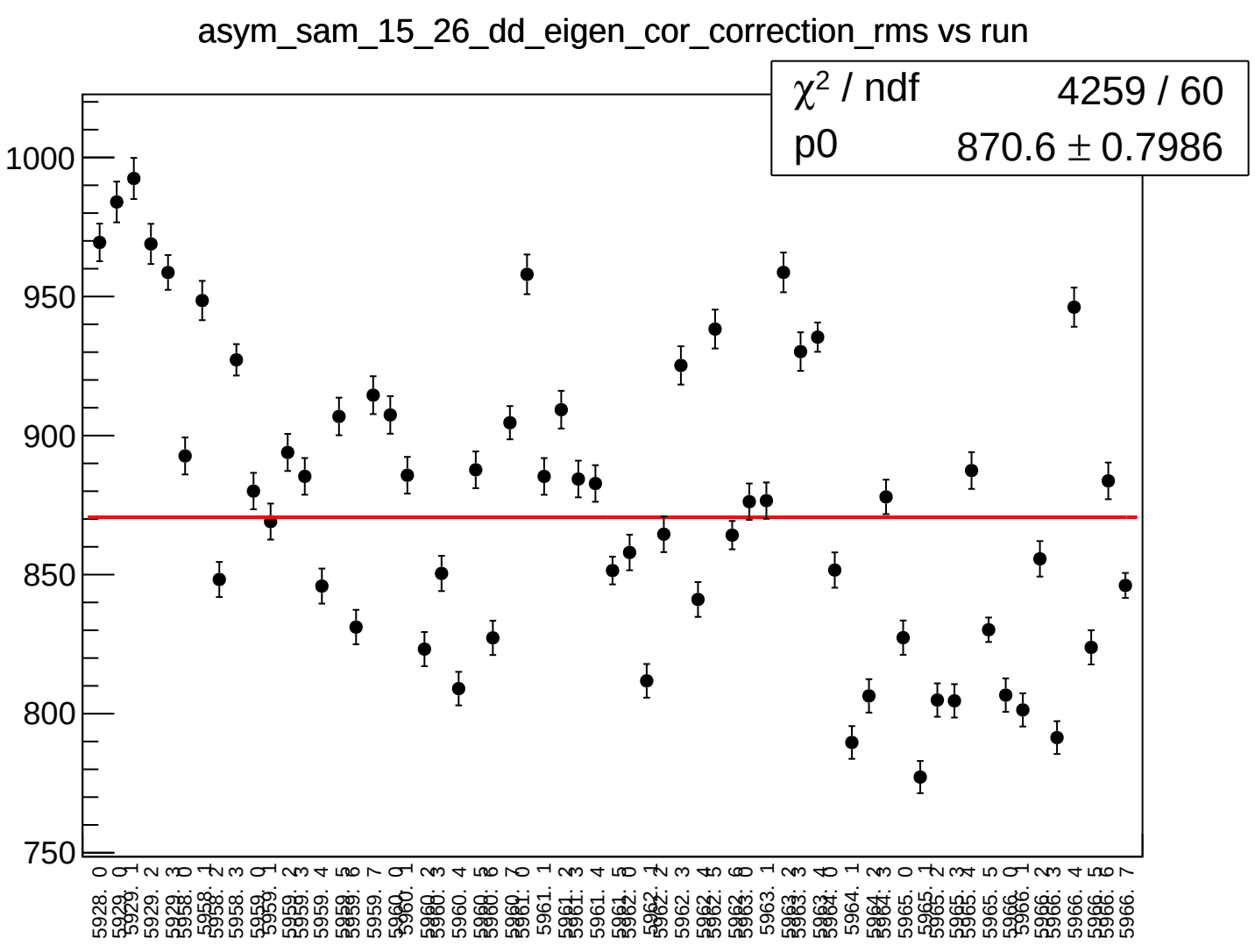

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.62 / 60
p0 143 ± 98.83
pull
Entries 61
Mean 124.9
Std Dev 0

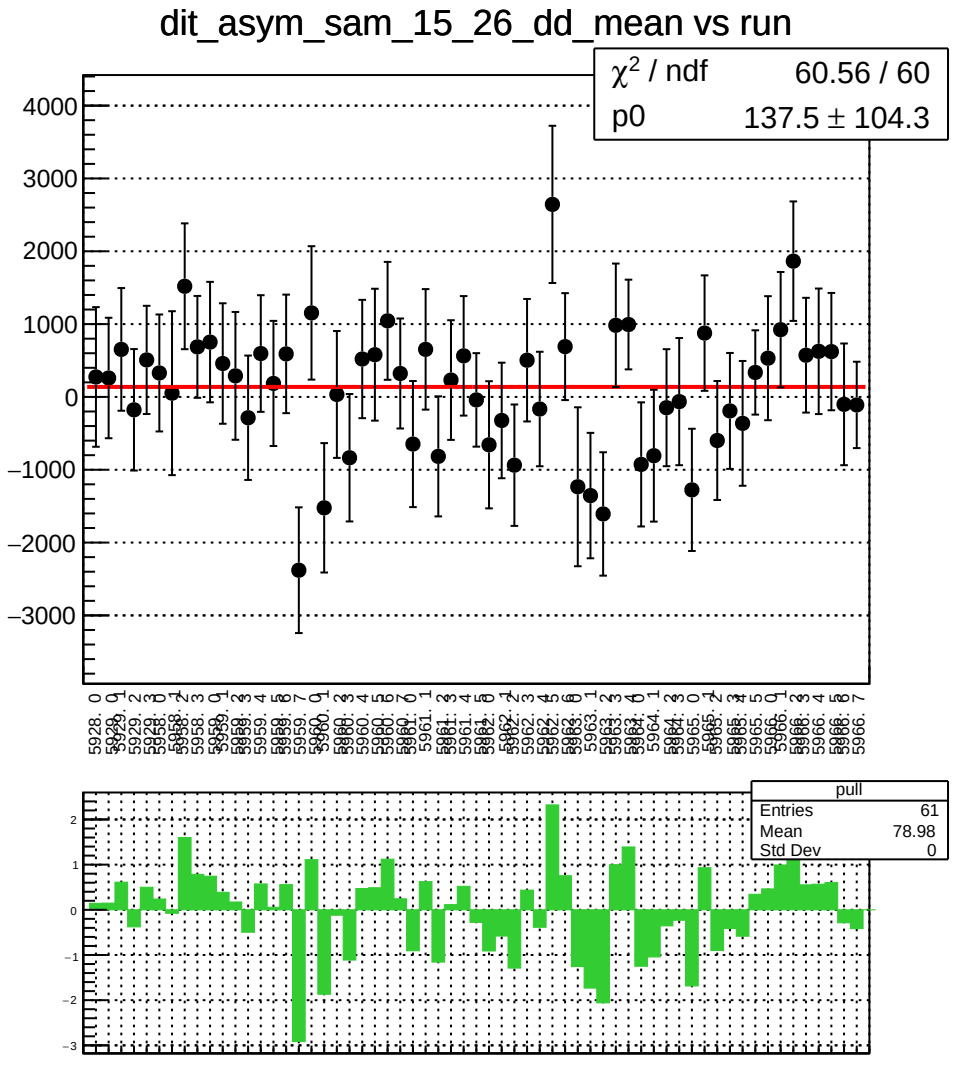

pull1D
Entries 61
Mean −0.01053
Std Dev 1.021

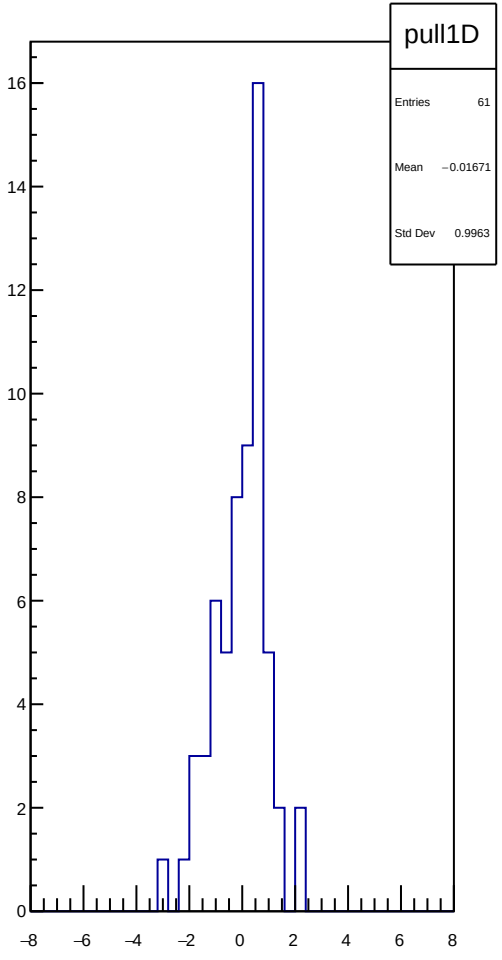

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 6144 / 60
p0 76.12 ± 0.06988
100
95
90
85
80
75
70
65

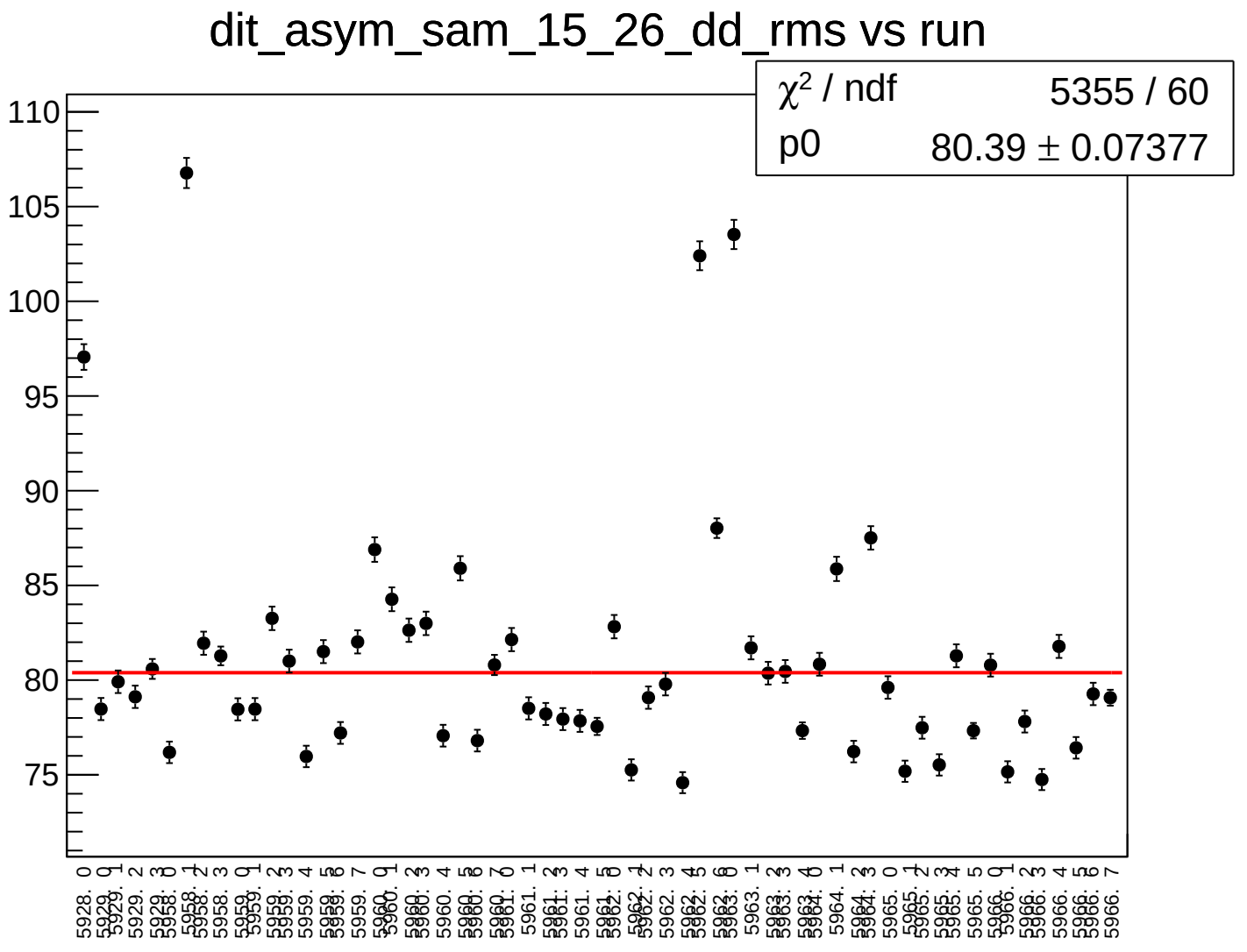

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.19 / 60
p0 1048 ± 1129
pull
Entries 61
Mean 222.1
Std Dev 0

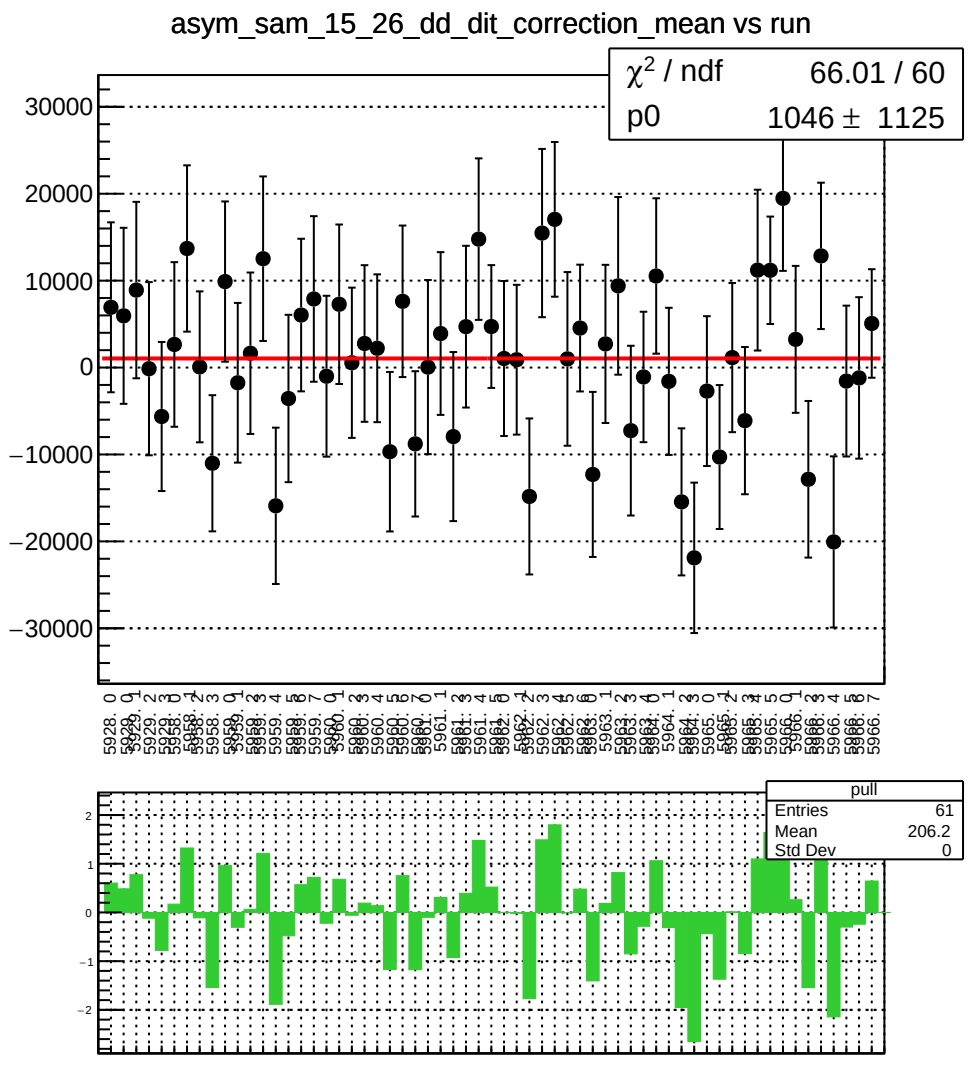

pull1D
Entries 61
Mean −0.008081
Std Dev 1.042

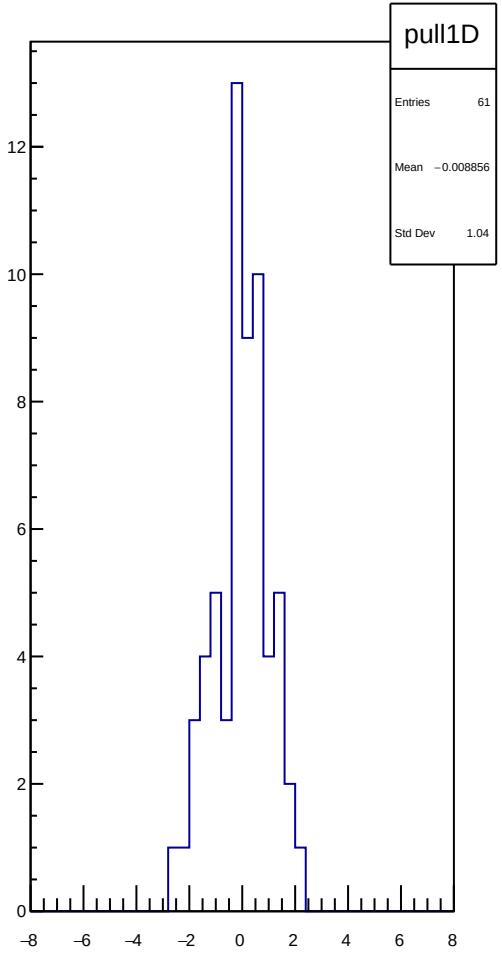

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4259 / 60
p0 870.6 ± 0.7986
1000
950
900
850
800
750

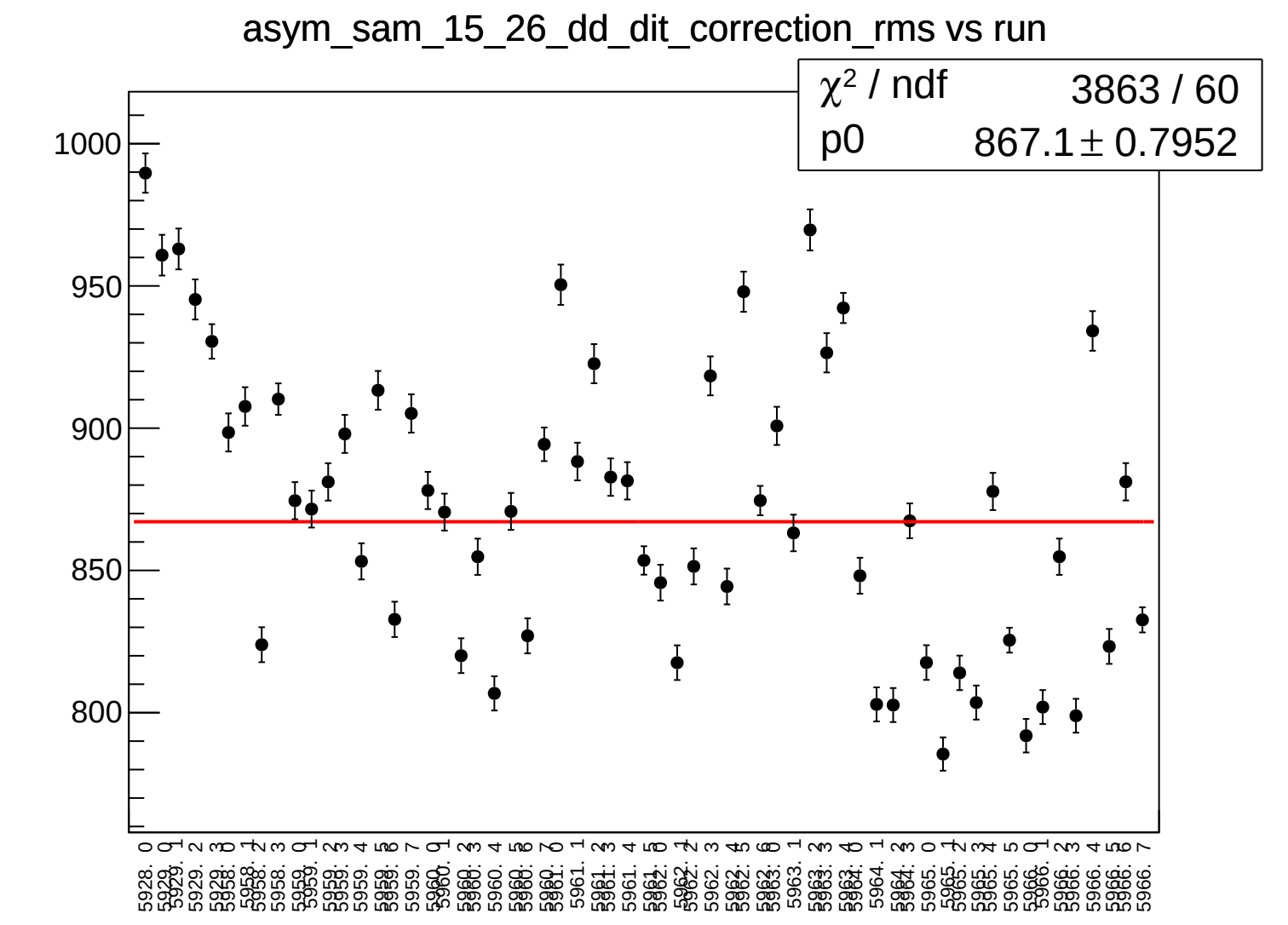

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.56 / 60
p0 137.5 ± 104.3
pull
Entries 61
Mean 78.98
Std Dev 0

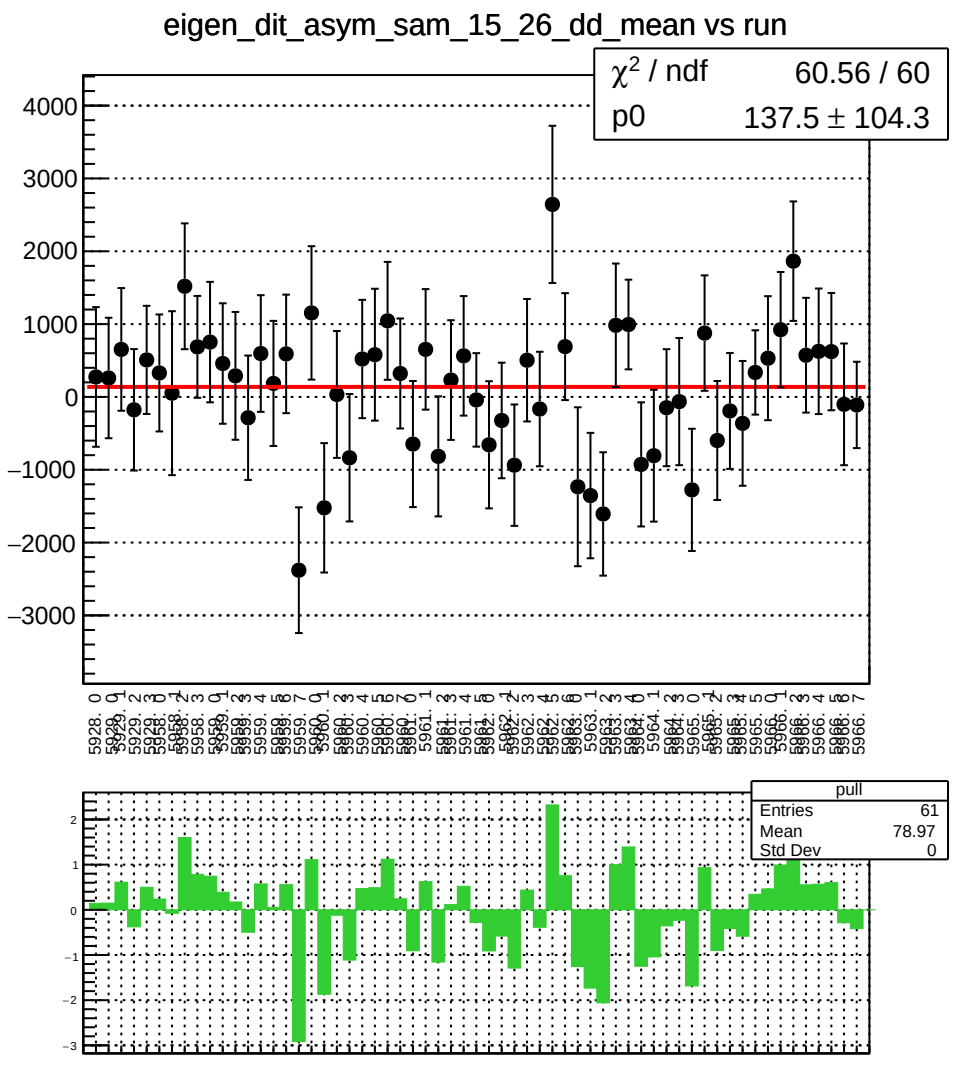

pull1D
Entries 61
Mean −0.01671
Std Dev 0.9963

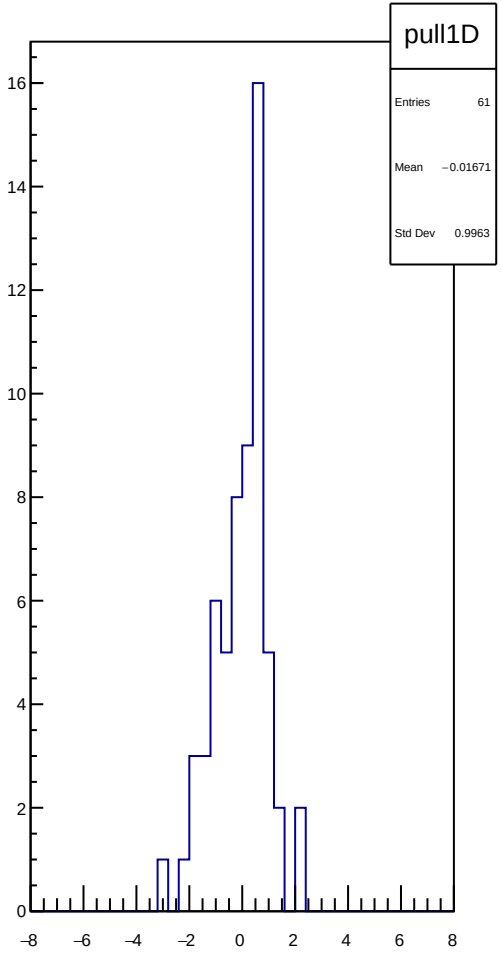

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5355 / 60
p0 80.39 ± 0.07377
110
105
100
95
90
85
80
75

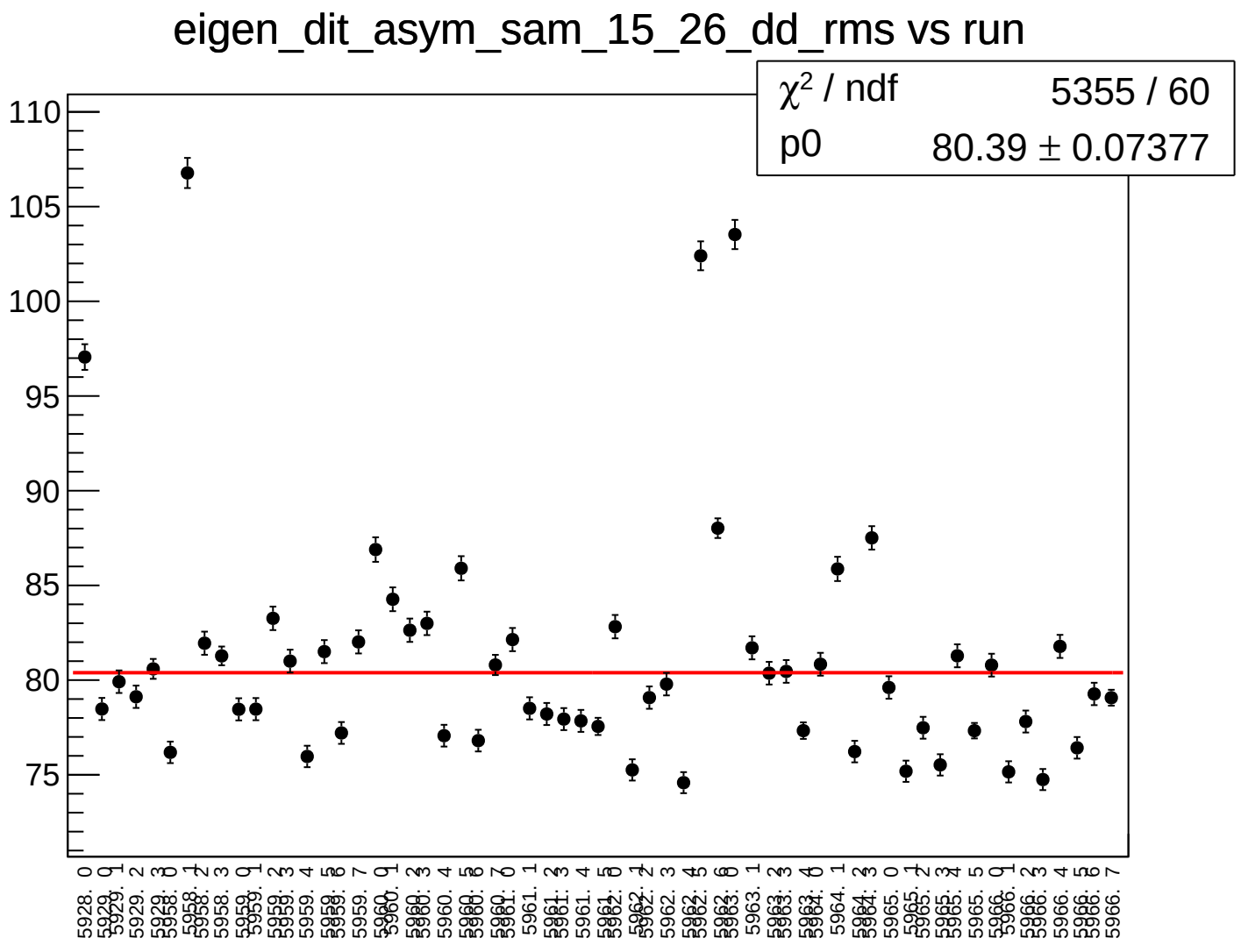

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 66.01 / 60
p0 1046 ± 1125
pull
Entries 61
Mean 206.2
Std Dev 0

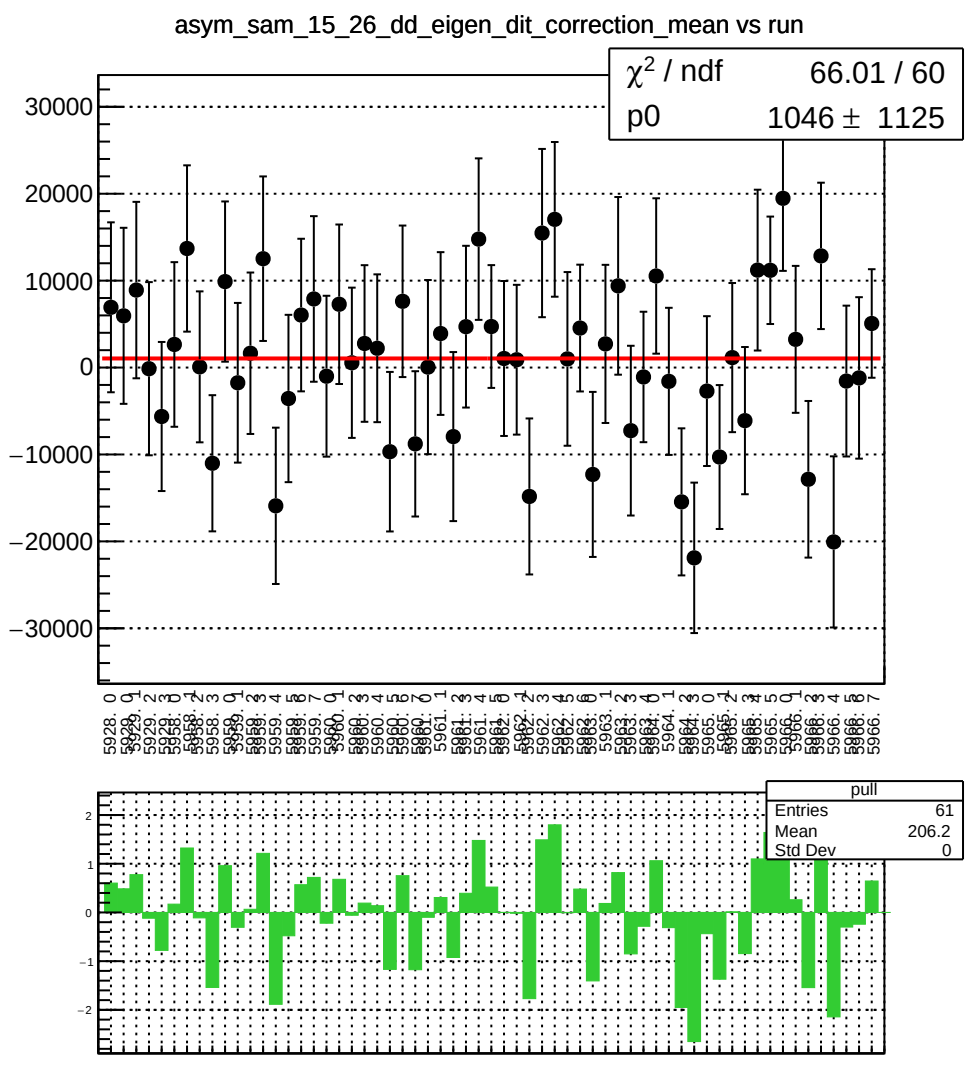

pull1D
Entries 61
Mean −0.008856
Std Dev 1.04

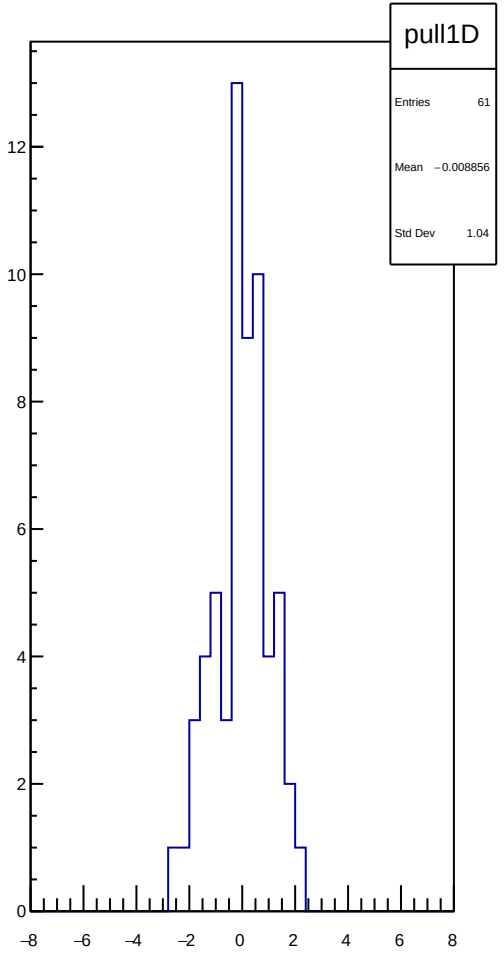

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3863 / 60
p0 867.1 ± 0.7952
1000
950
900
850
800

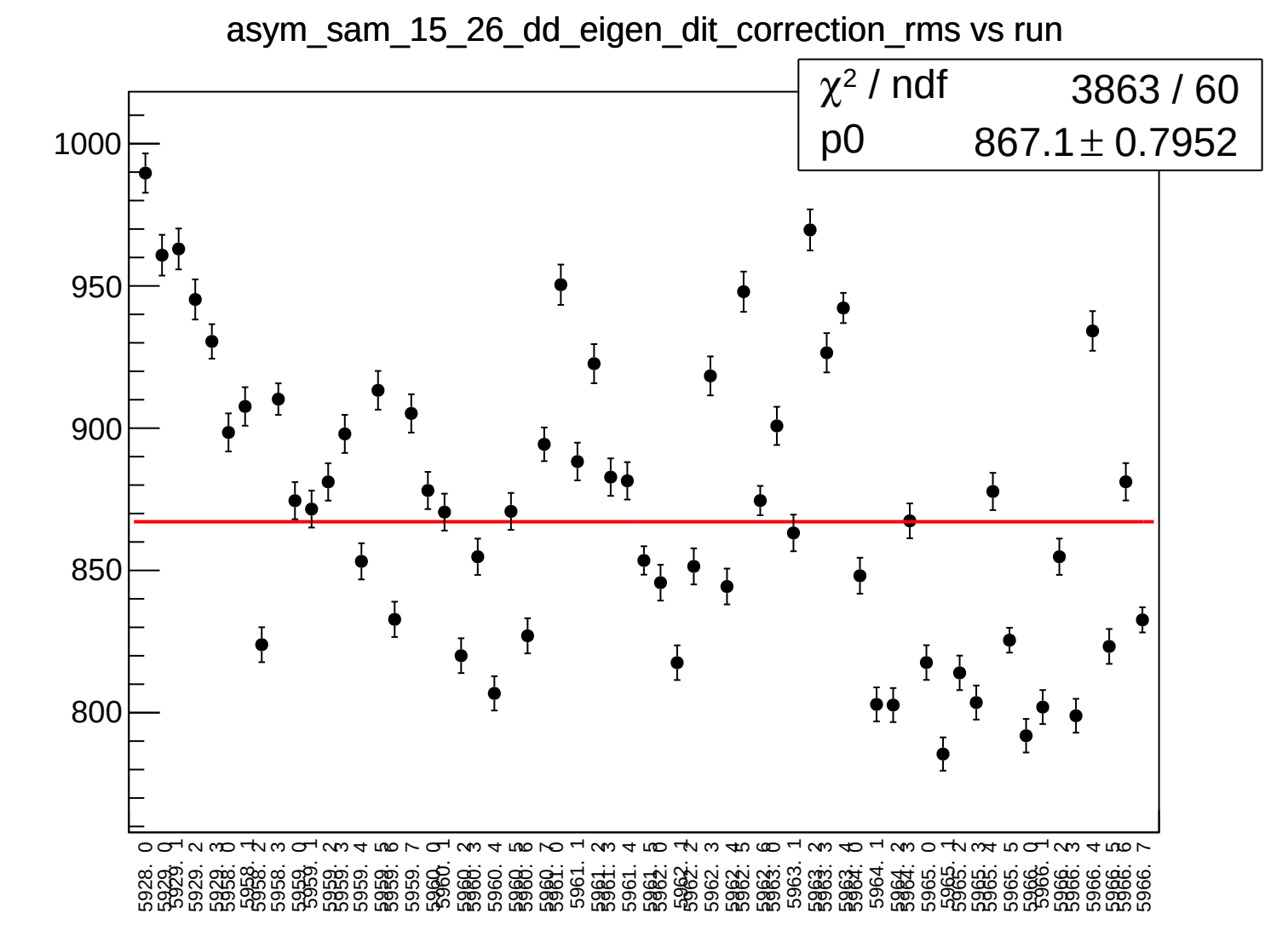

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.56 / 60
p0 137.5 ± 104.3
pull
Entries 61
Mean 78.97
Std Dev 0

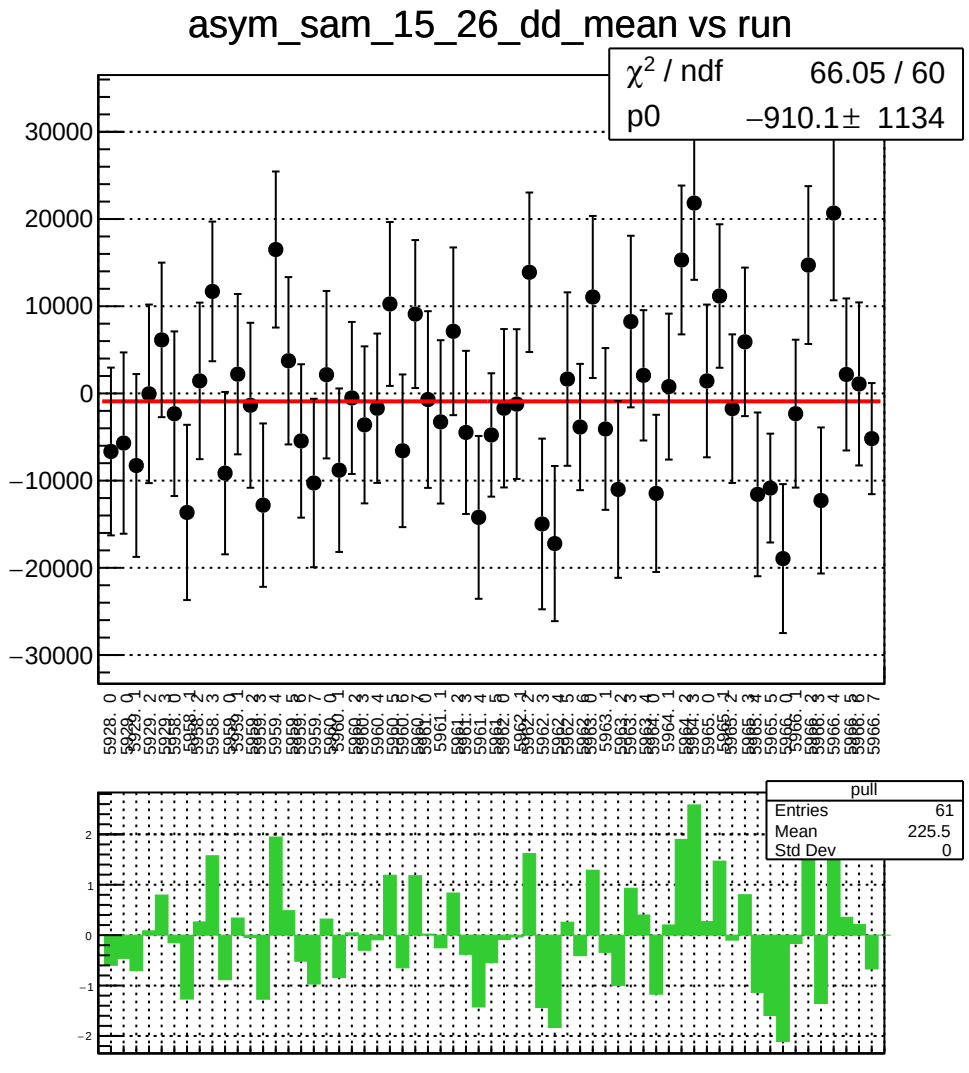

pull1D
Entries 61
Mean −0.01671
Std Dev 0.9963

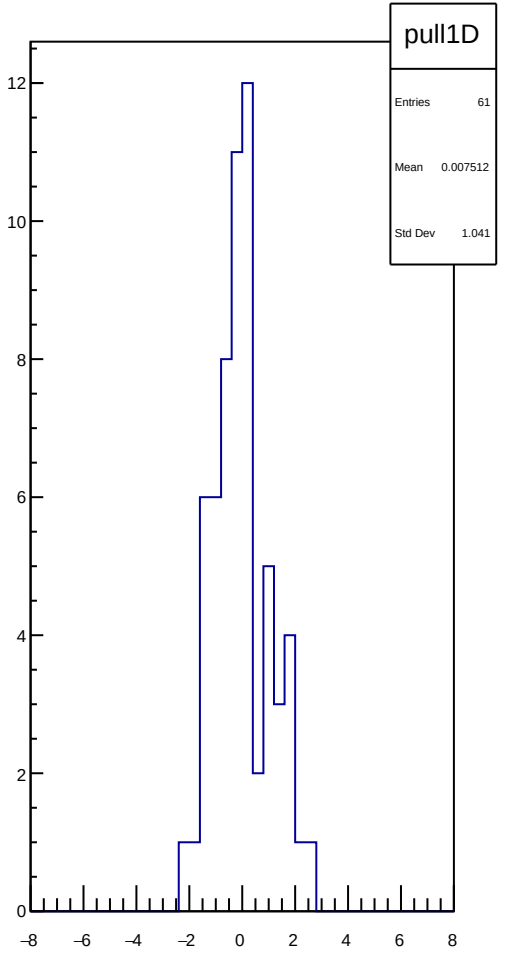

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5355 / 60
p0 80.39 ± 0.07377
110
105
100
95
90
85
80
75

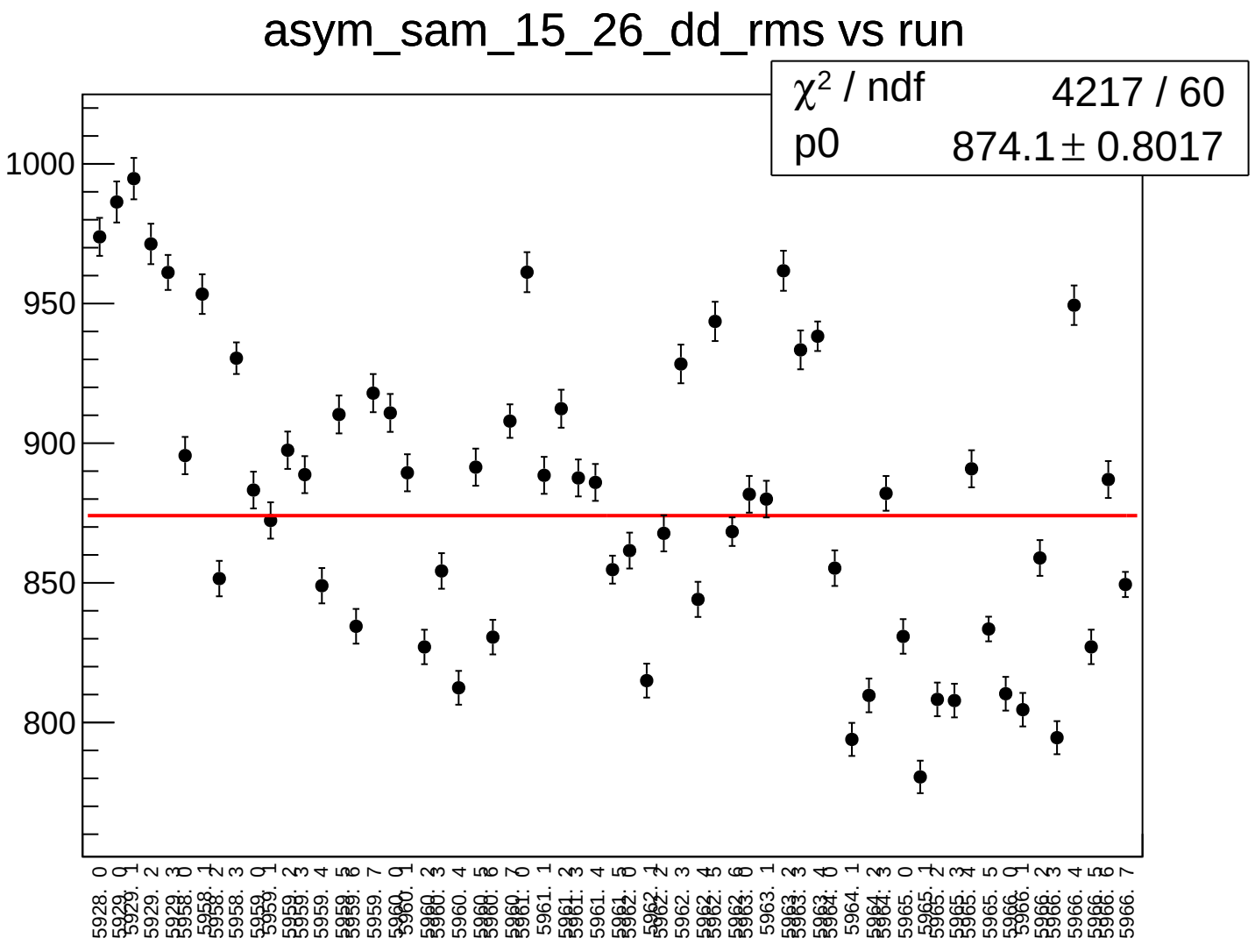

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.01 / 60
p0 1046 ± 1125
pull
Entries 61
Mean 206.2
Std Dev 0

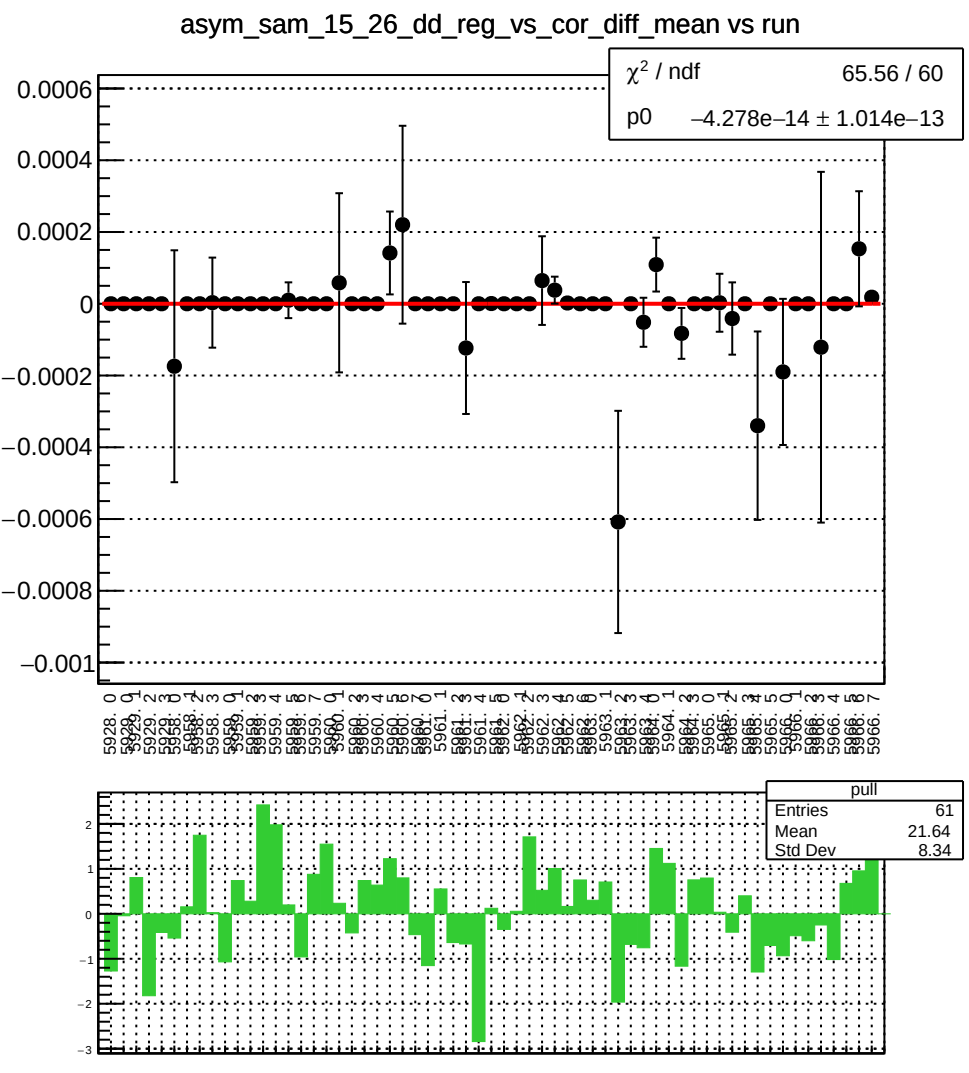

pull1D
Entries 61
Mean −0.008856
Std Dev 1.04

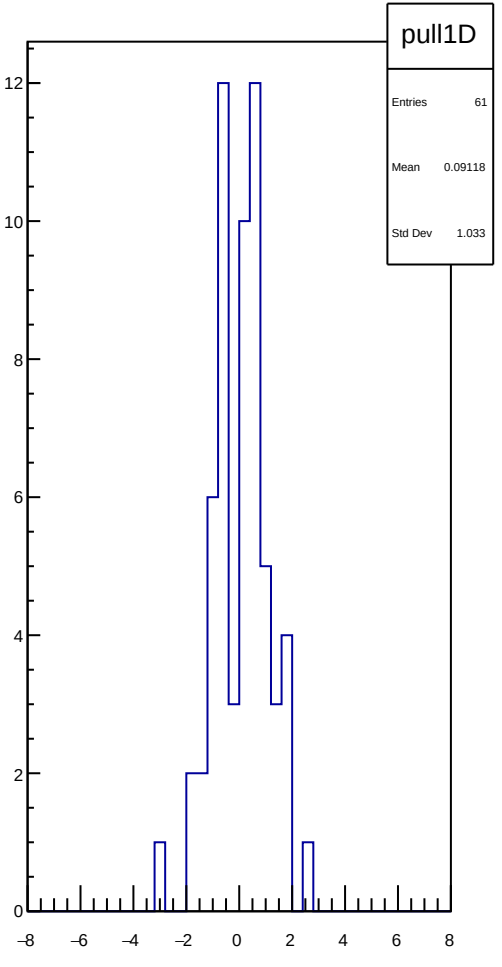

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3863 / 60
p0 867.1 ± 0.7952
1000
950
900
850
800

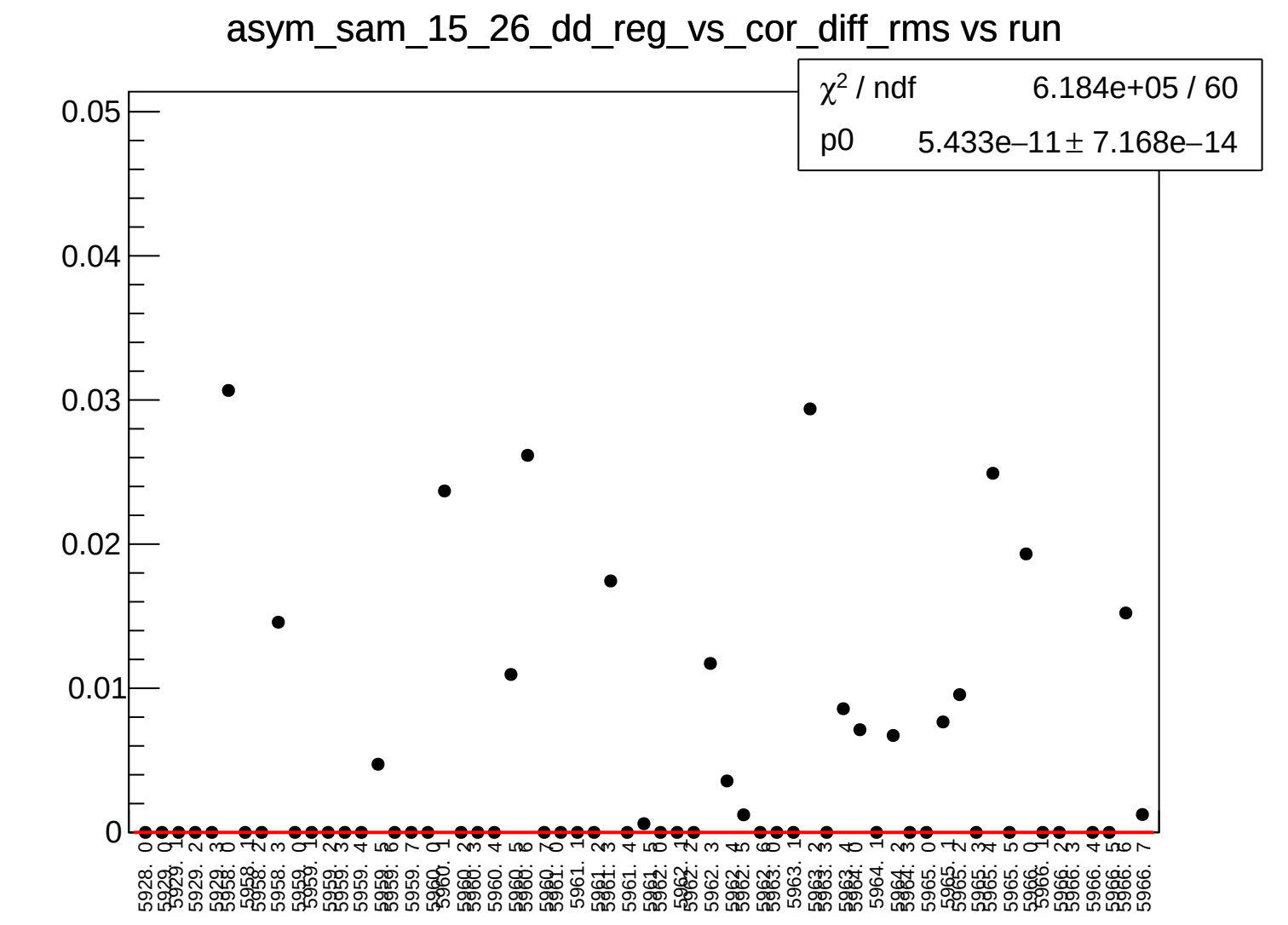

asym_sam_15_26_dd_mean vs run
χ² / ndf 66.05 / 60
p0 −910.1± 1134
pull
Entries 61
Mean 225.5
Std Dev 0

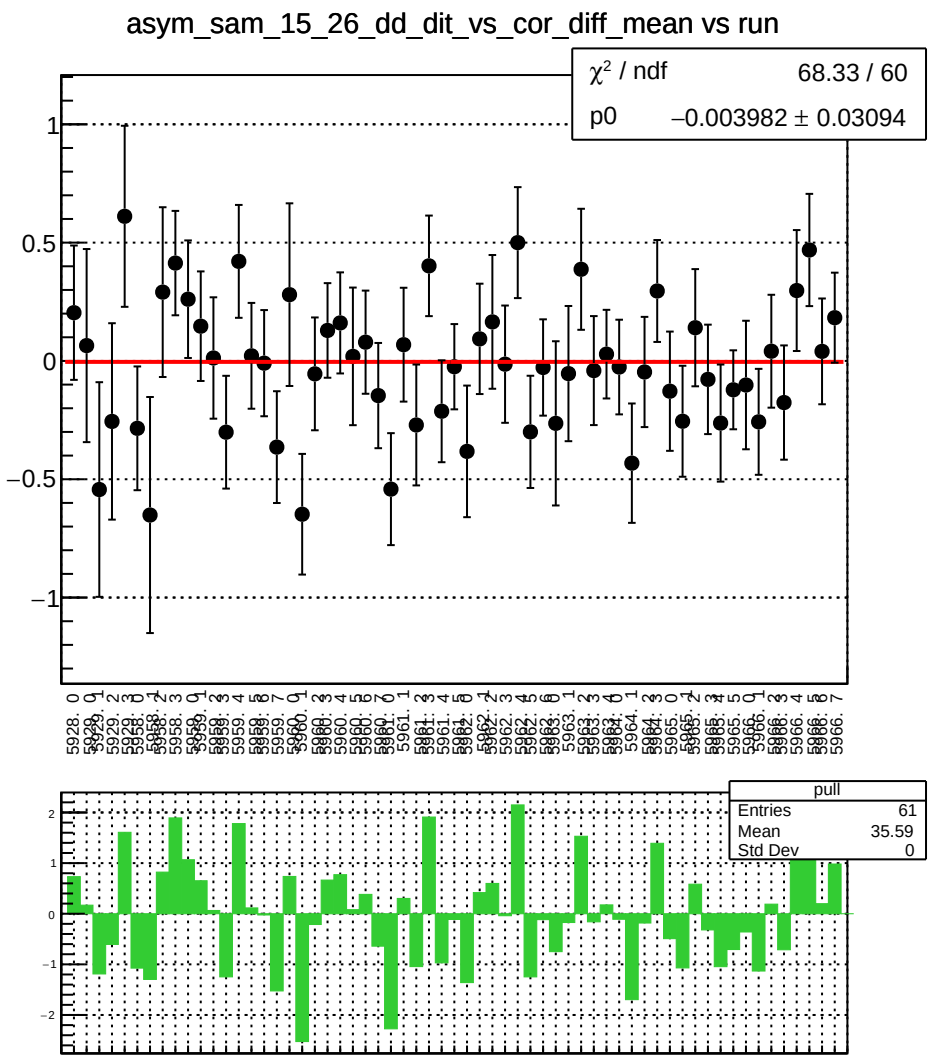

pull1D
Entries 61
Mean 0.007512
Std Dev 1.041

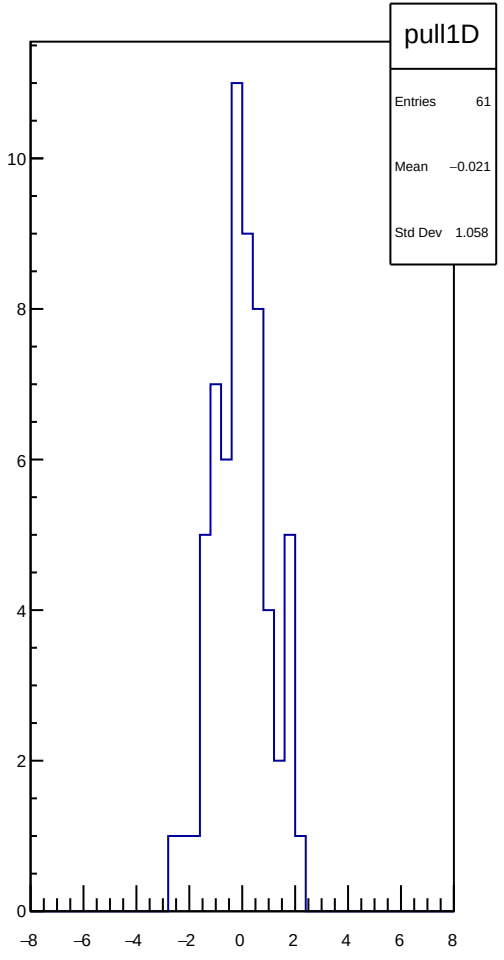

asym_sam_15_26_dd_rms vs run
χ² / ndf 4217 / 60
p0 874.1 ± 0.8017
1000
950
900
850
800

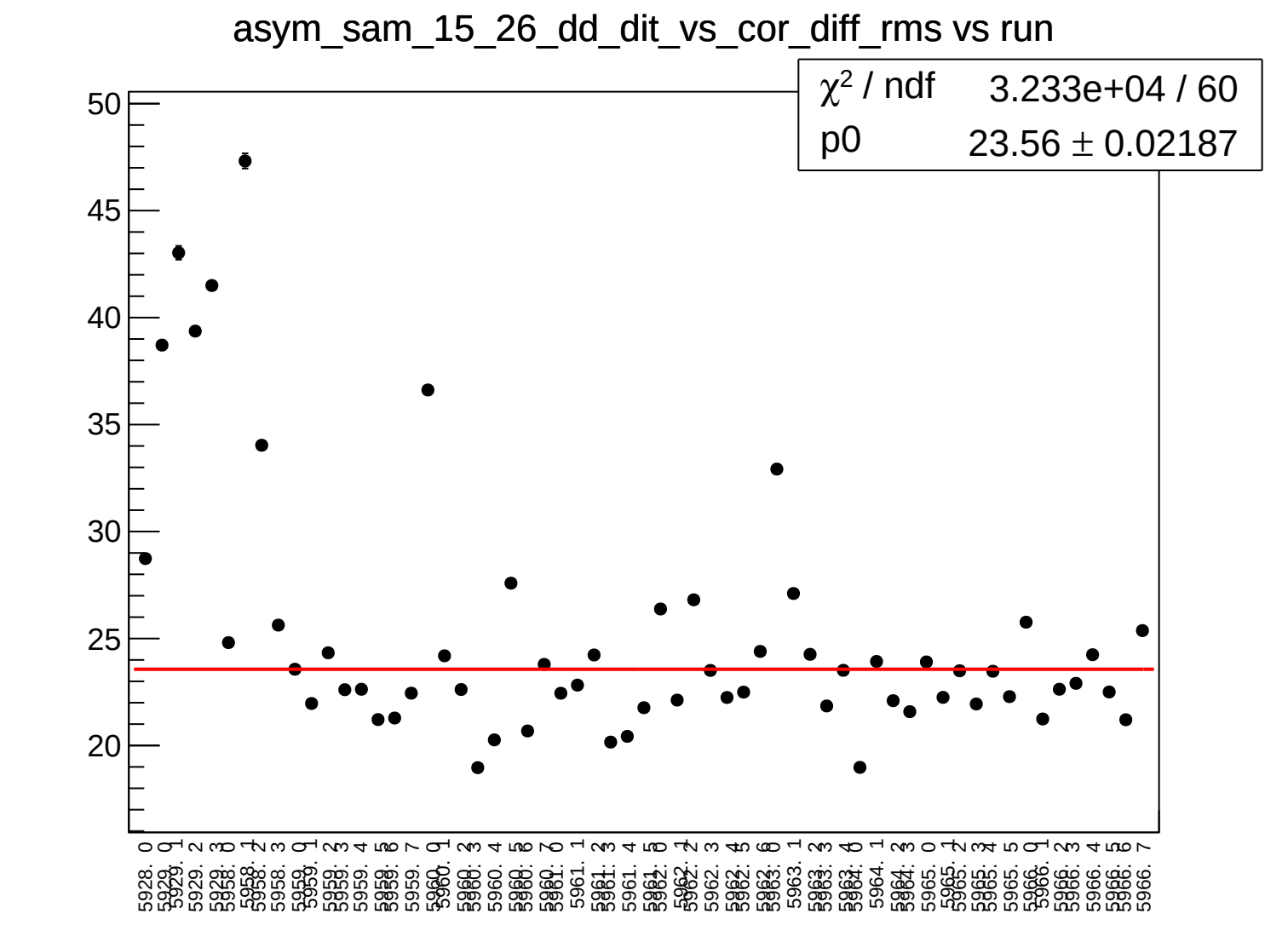

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.56 / 60
p0 −4.278e−14 ± 1.014e−13
pull
Entries 61
Mean 21.64
Std Dev 8.34

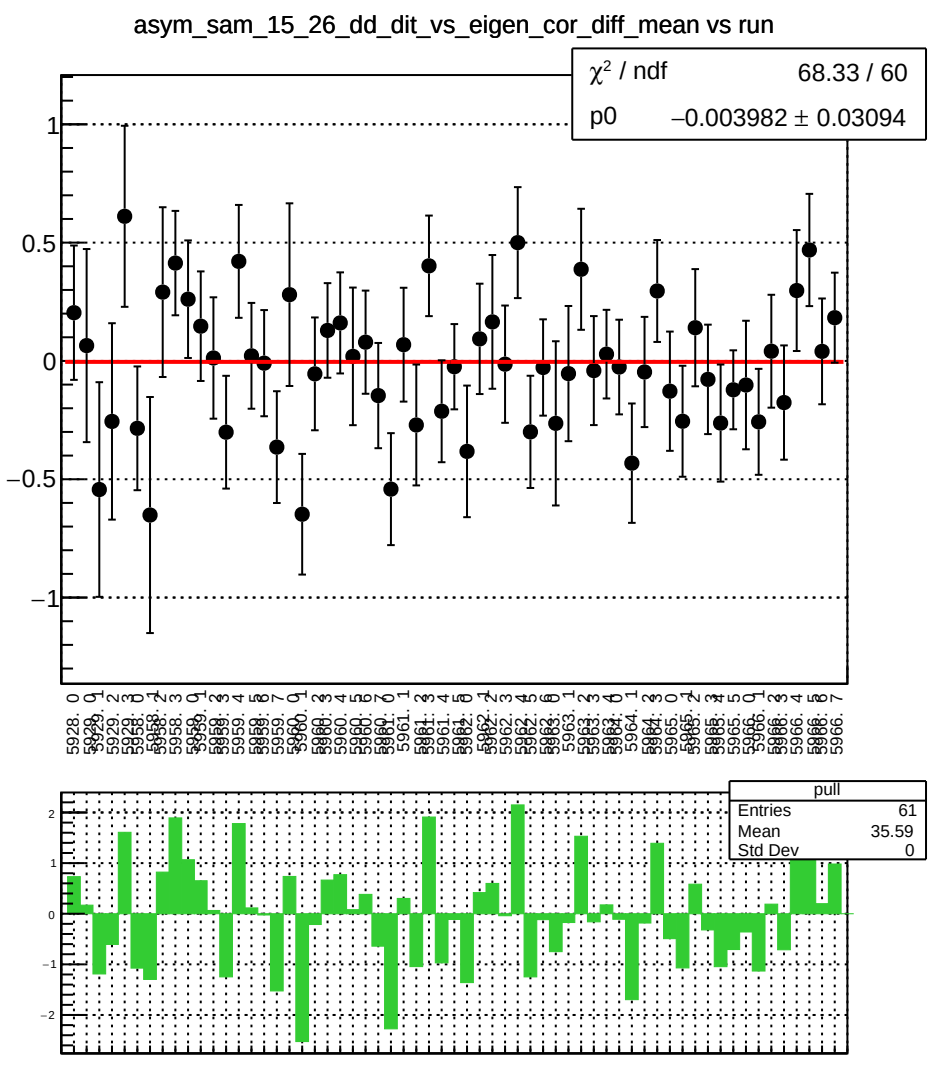

pull1D
Entries 61
Mean 0.09118
Std Dev 1.033

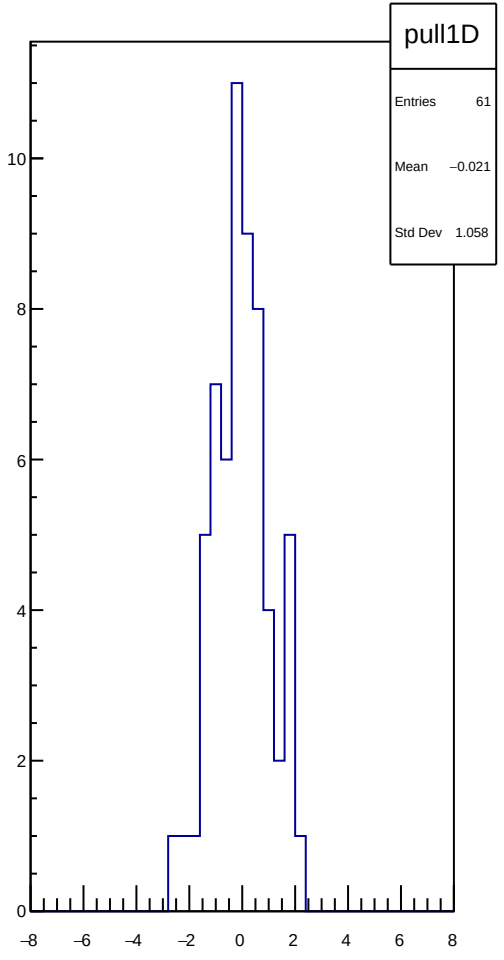

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.184e+05 / 60
p0 5.433e−11 ± 7.168e−14
0.05
0.04
0.03
0.02
0.01
0

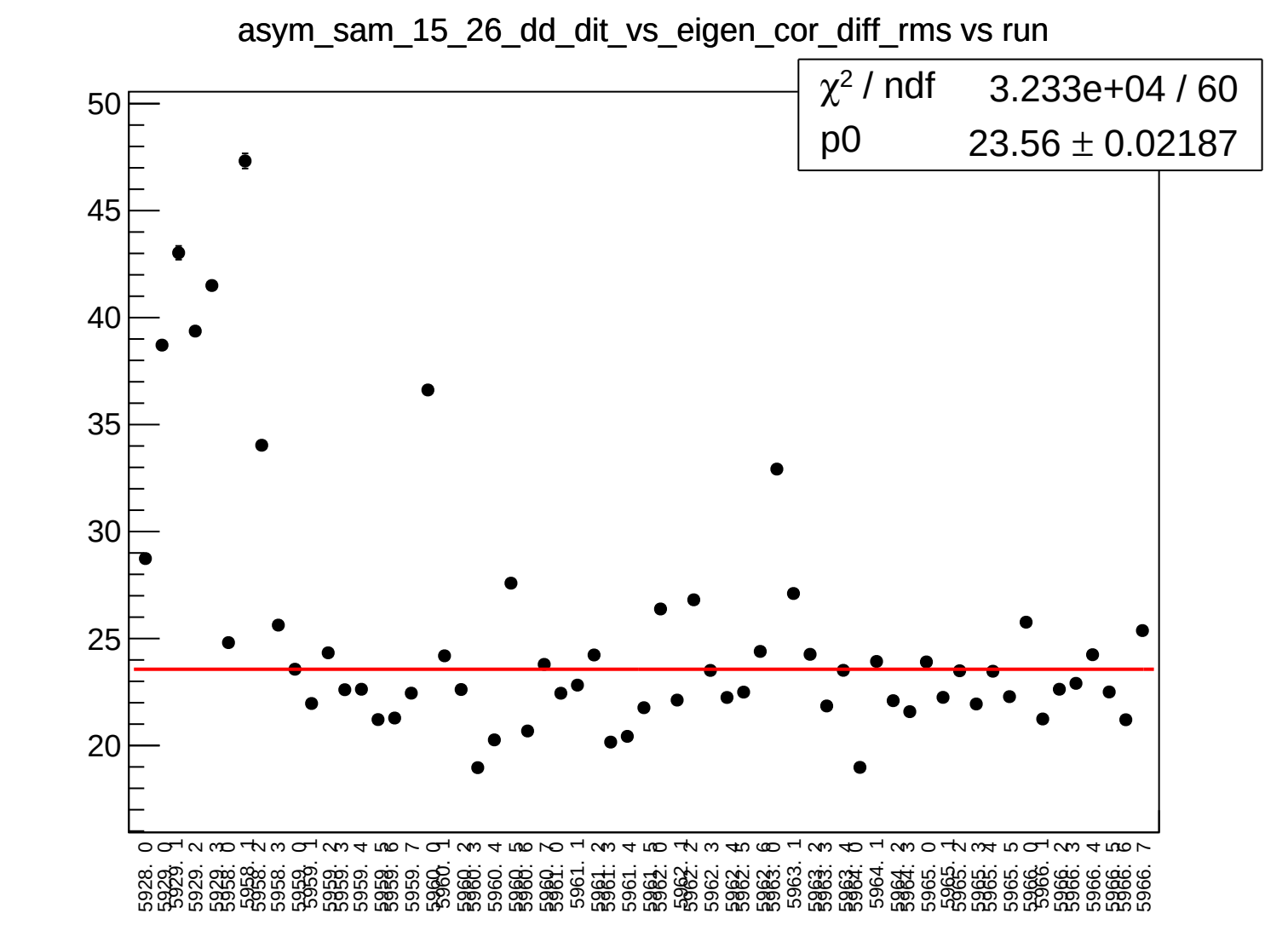

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.33 / 60
p0 −0.003982 ± 0.03094
pull
Entries 61
Mean 35.59
Std Dev 0

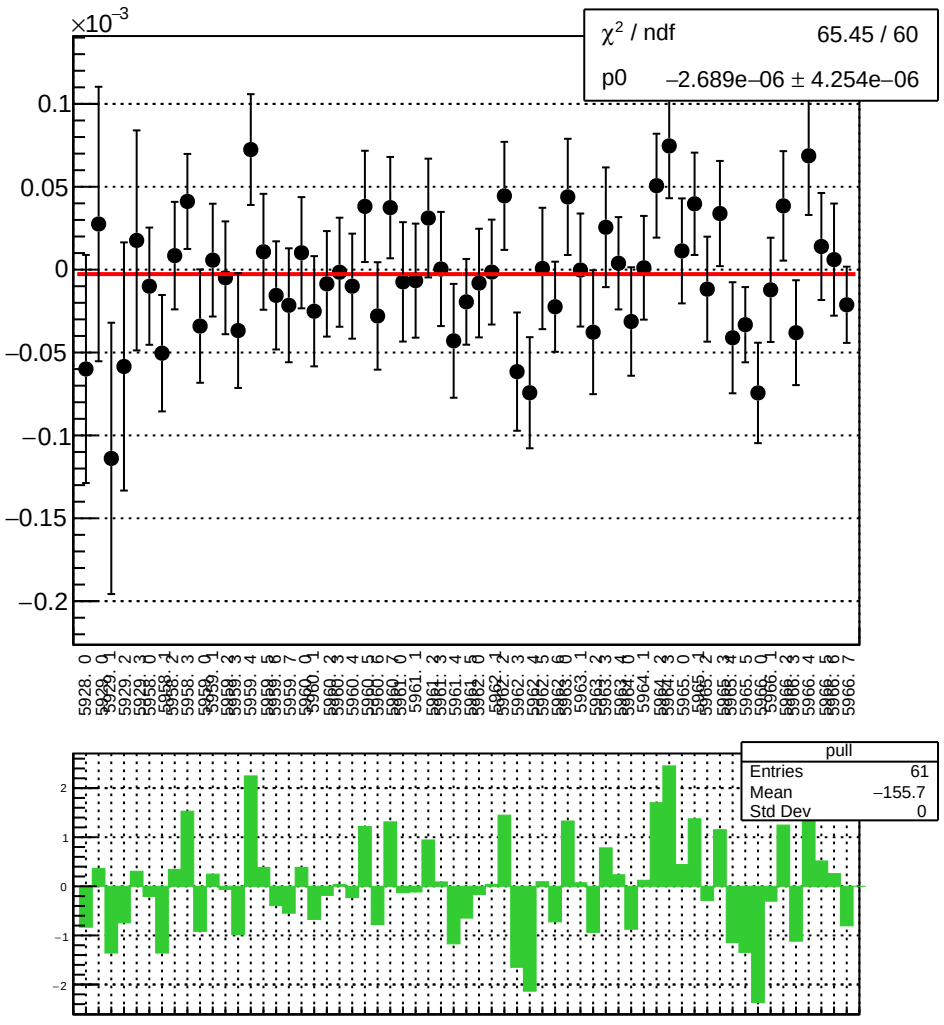

pull1D
Entries 61
Mean −0.021
Std Dev 1.058

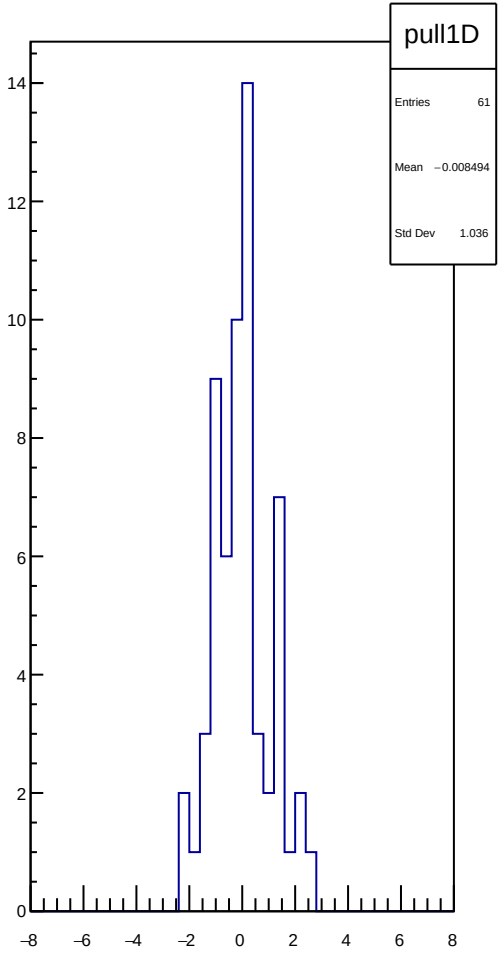

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.233e+04 / 60
p0 23.56 ± 0.02187
50
45
40
35
30
25
20

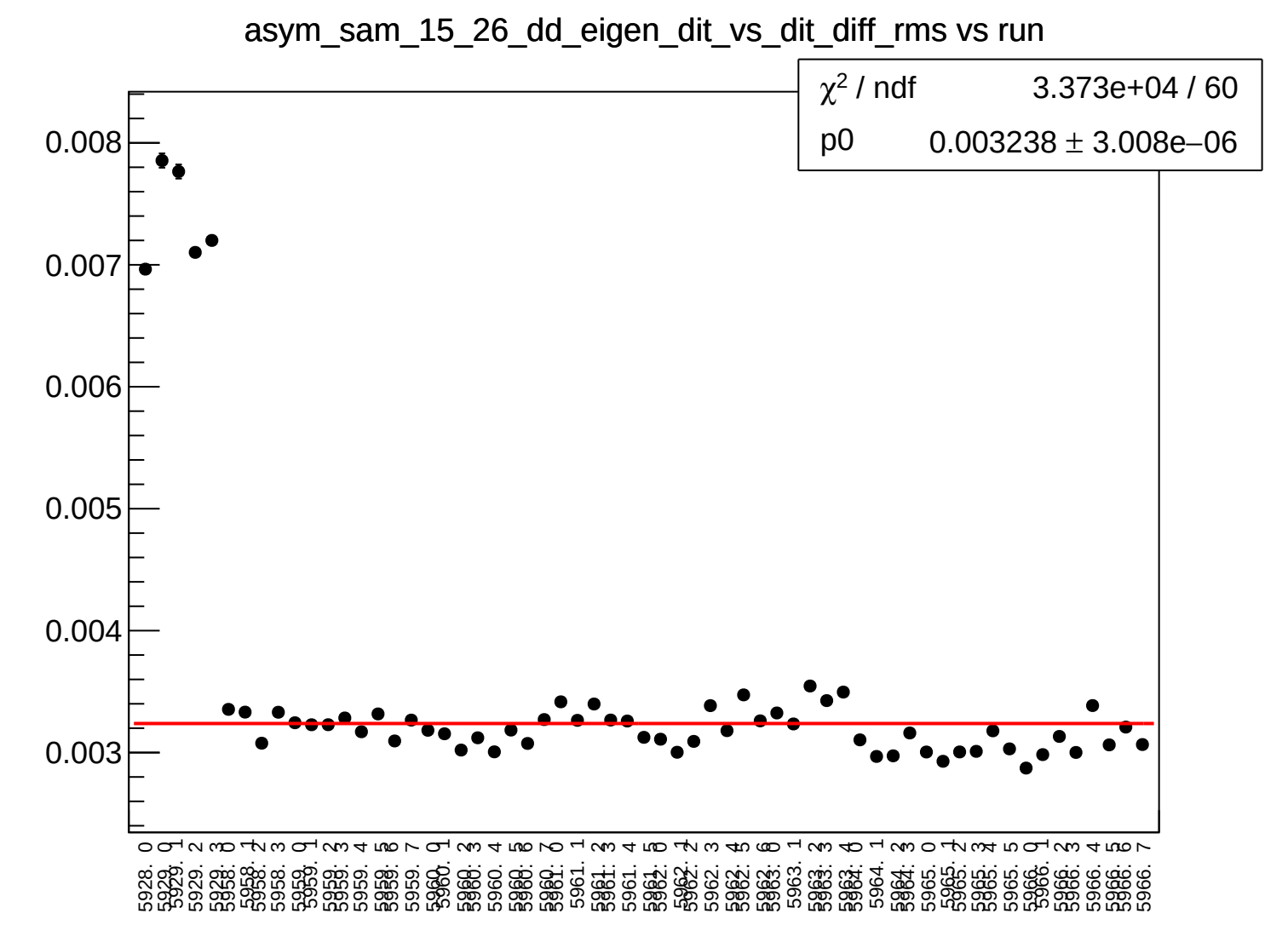

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.33 / 60
p0 −0.003982 ± 0.03094
pull
Entries 61
Mean 35.59
Std Dev 0

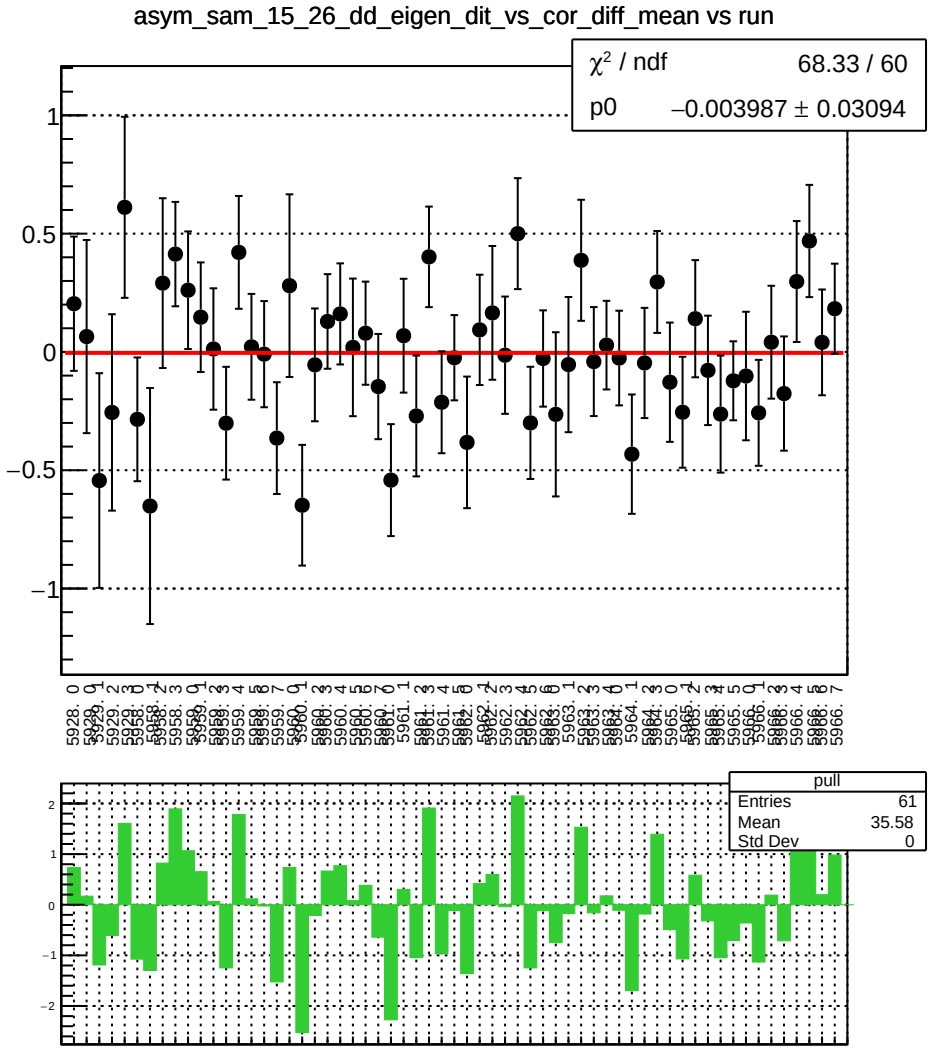

pull1D
Entries 61
Mean −0.021
Std Dev 1.058

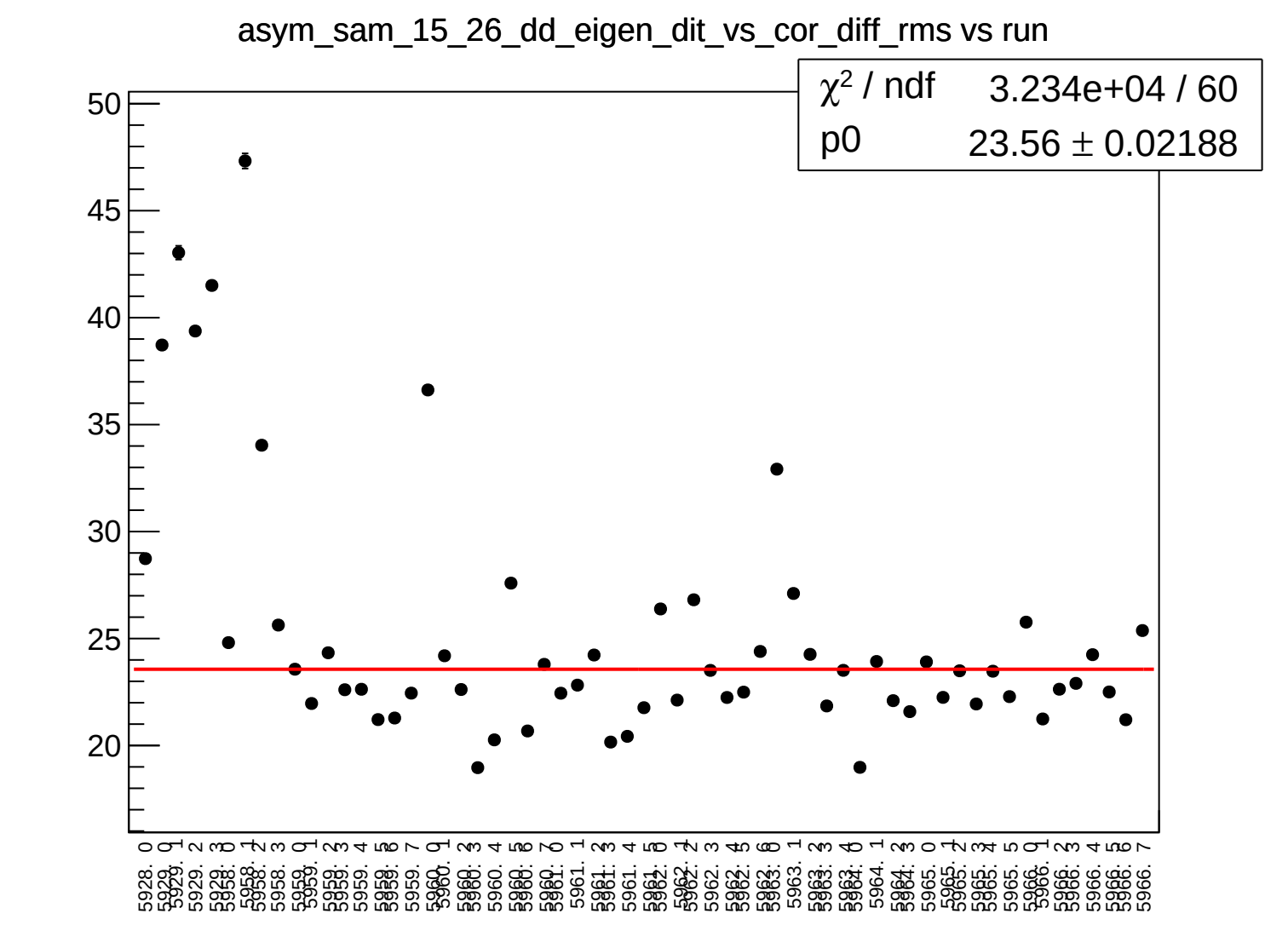

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.233e+04 / 60
p0 23.56 ± 0.02187
50
45
40
35
30
25
20

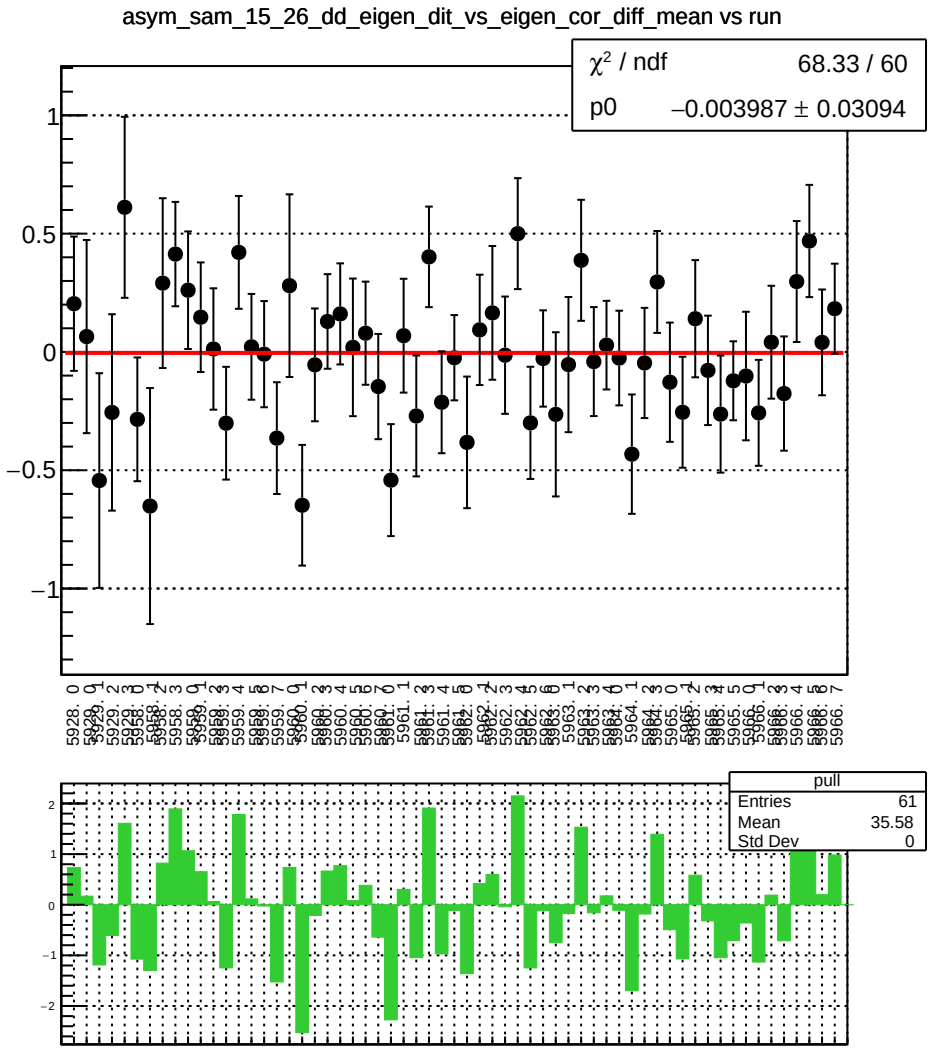

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.45 / 60
p0 −2.689e−06 ± 4.254e−06
pull
Entries 61
Mean −155.7
Std Dev 0

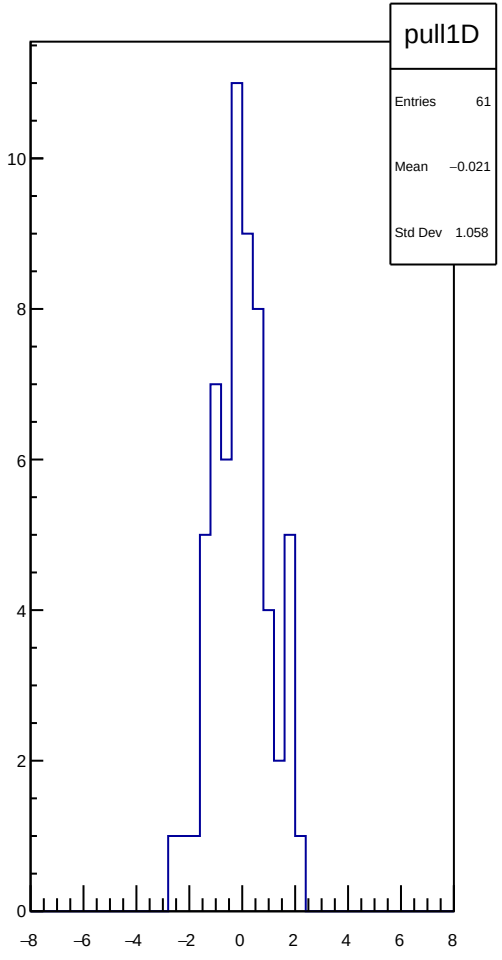

pull1D
Entries 61
Mean −0.008494
Std Dev 1.036

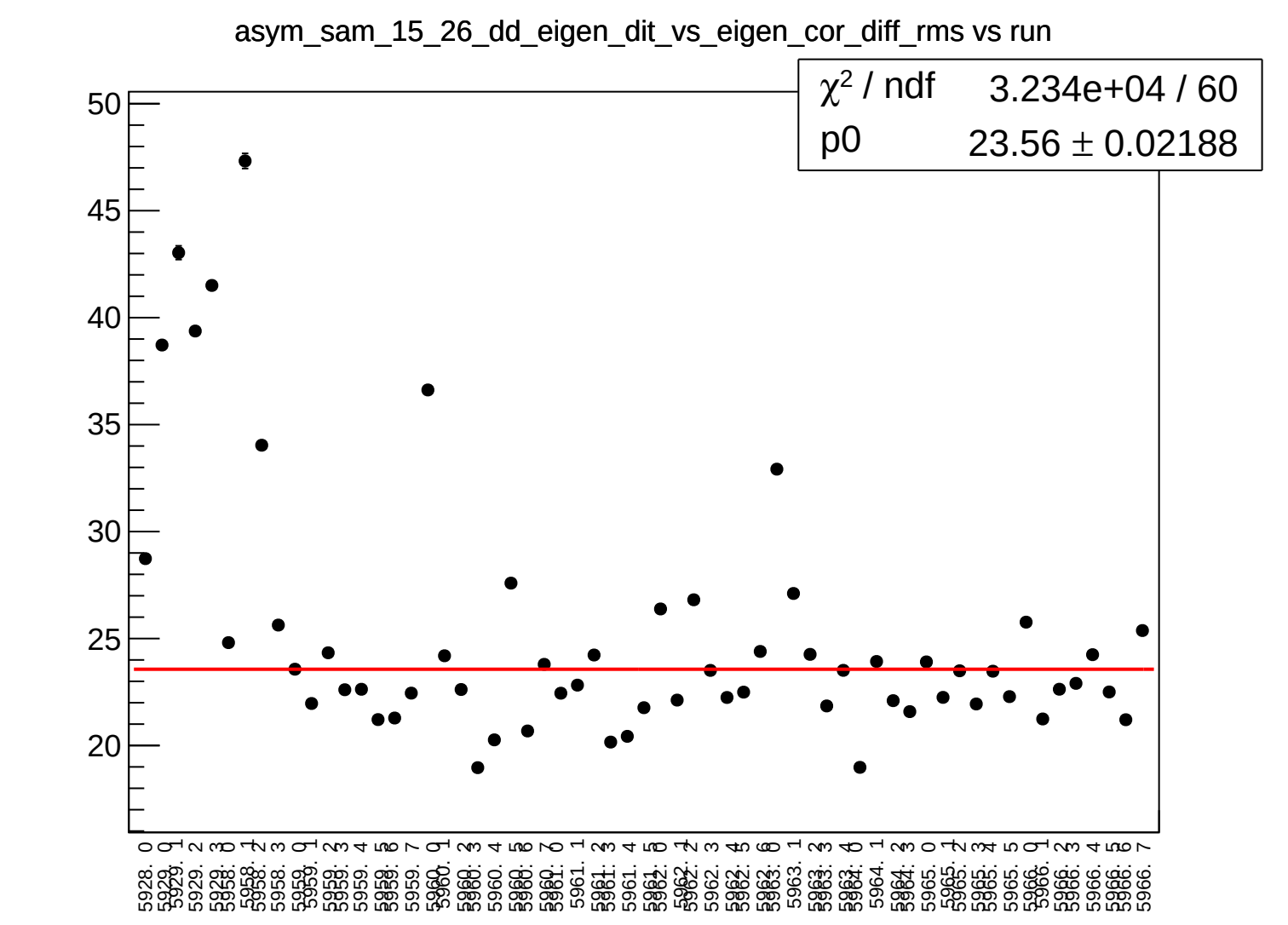

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.373e+04 / 60
p0 0.003238 ± 3.008e−06
0.008
0.007
0.006
0.005
0.004
0.003

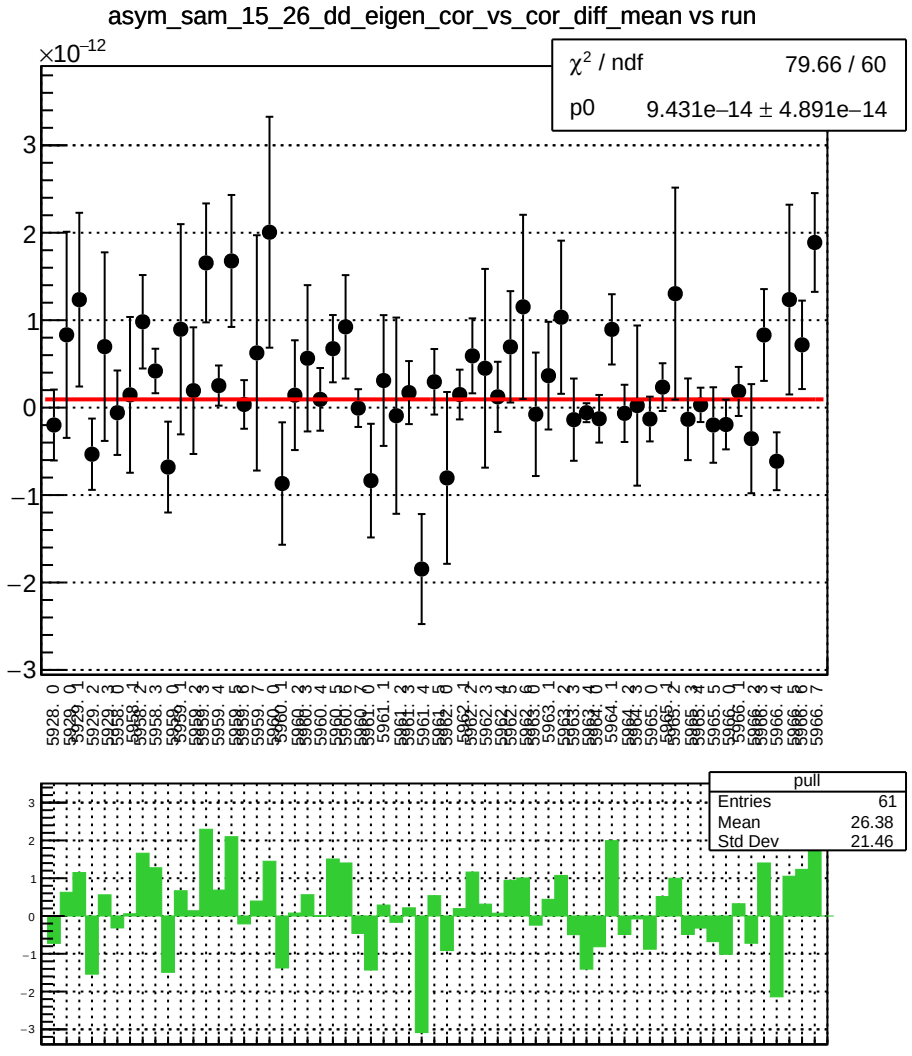

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.33 / 60
p0 −0.003987 ± 0.03094
pull
Entries 61
Mean 35.58
Std Dev 0
pull1D
Entries 61
Mean −0.021
Std Dev 1.058

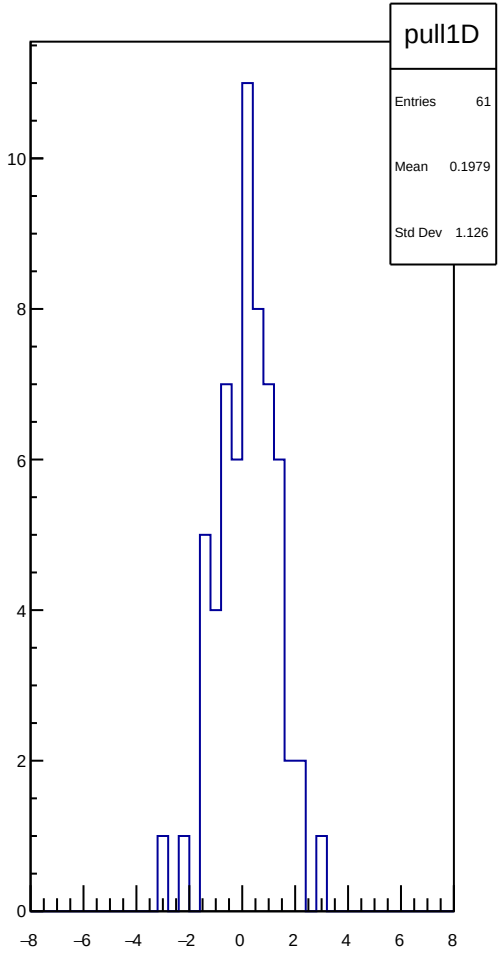

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.234e+04 / 60
p0 23.56 ± 0.02188
50
45
40
35
30
25
20

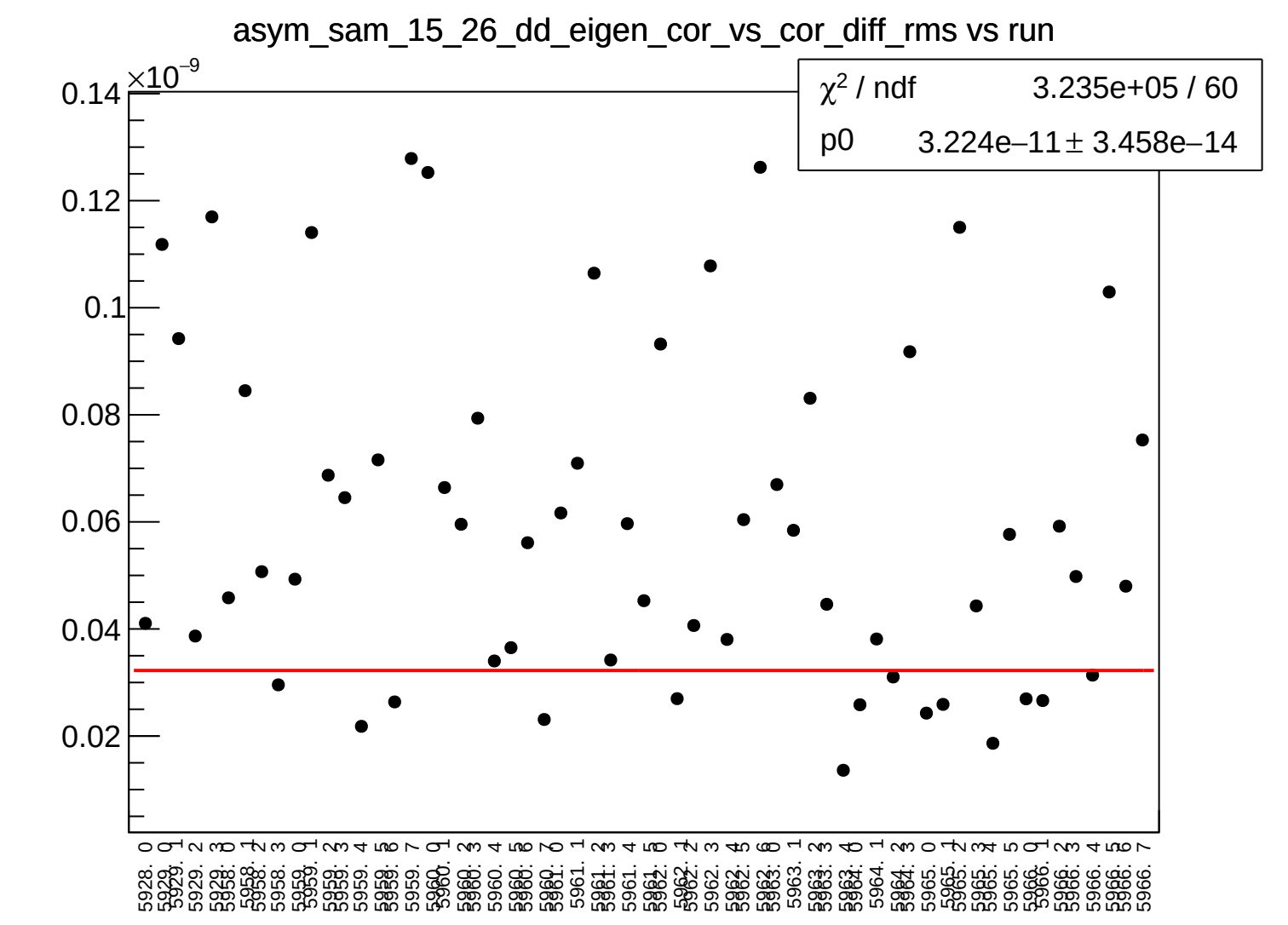

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.33 / 60
p0 −0.003987 ± 0.03094
pull
Entries 61
Mean 35.58
Std Dev 0

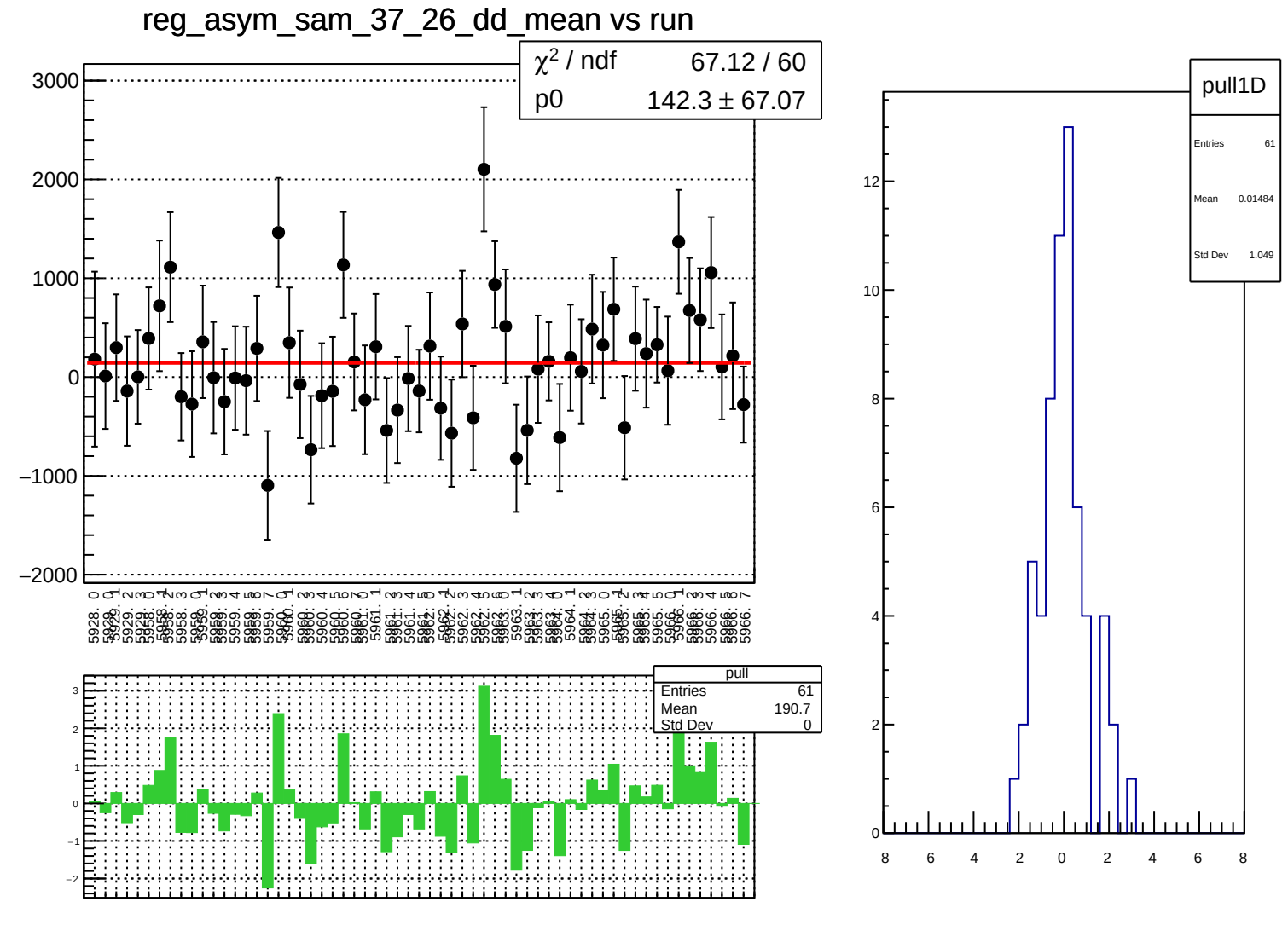

pull1D
Entries 61
Mean −0.021
Std Dev 1.058

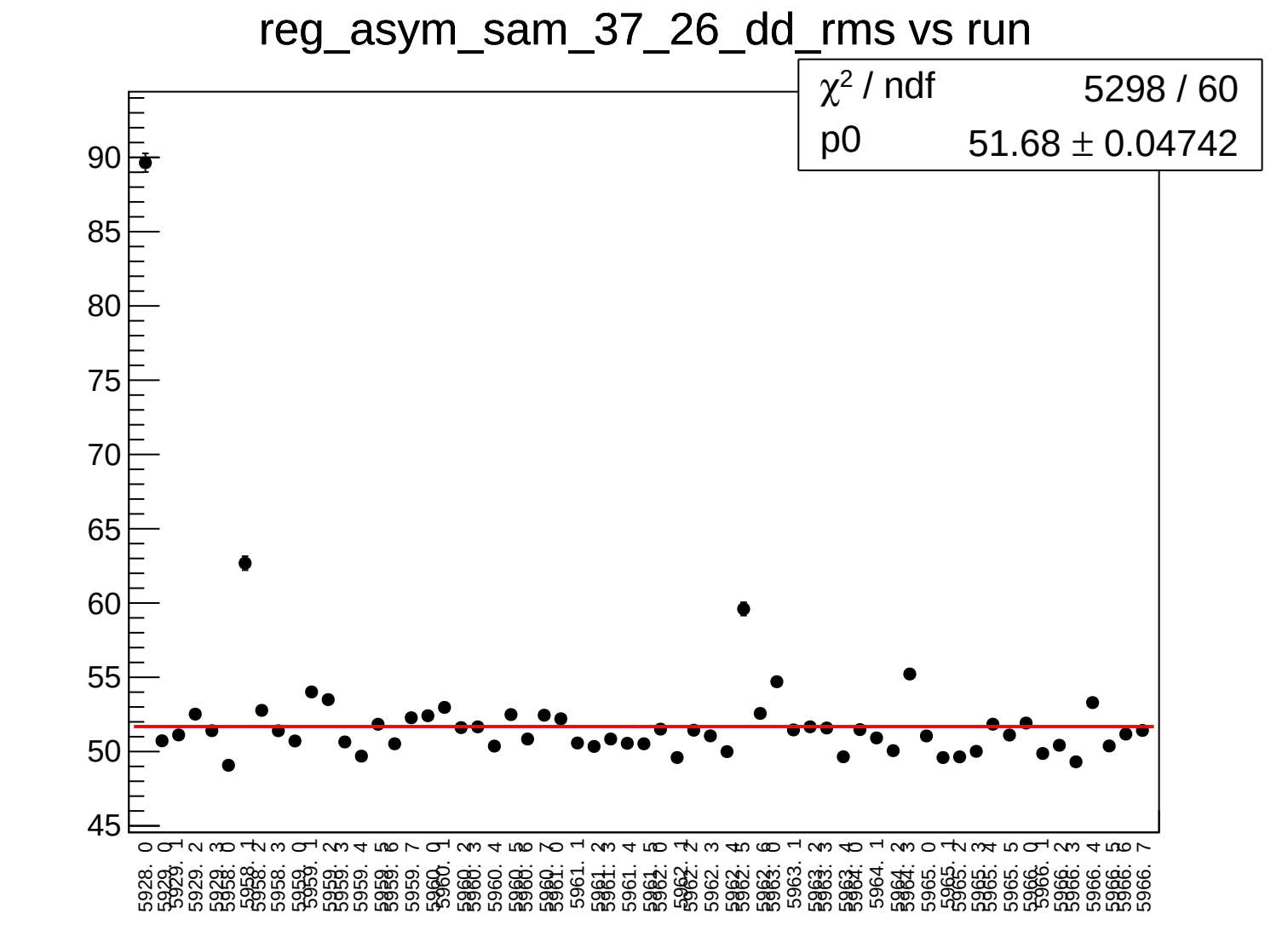

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.234e+04 / 60
p0 23.56 ± 0.02188
50
45
40
35
30
25
20

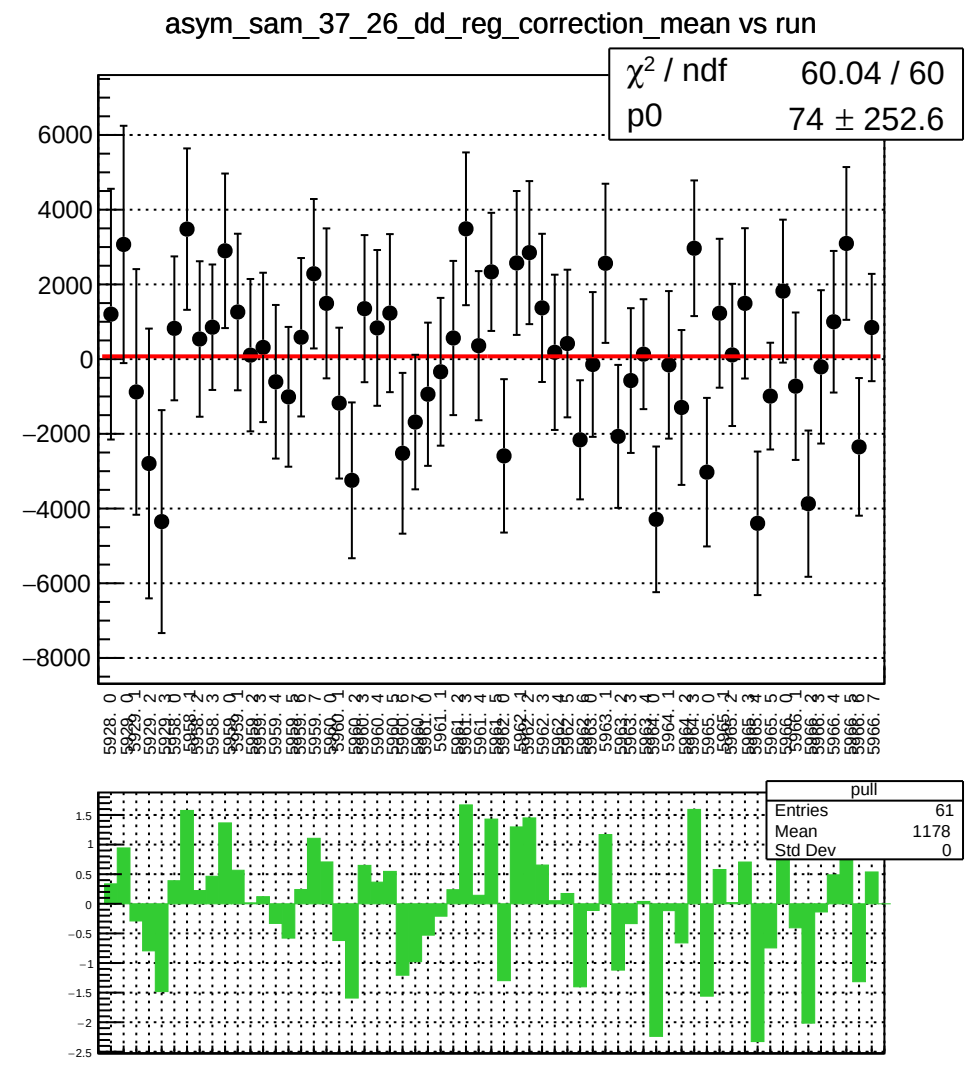

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.66 / 60
p0 9.431e−14 ± 4.891e−14
pull
Entries 61
Mean 26.38
Std Dev 21.46

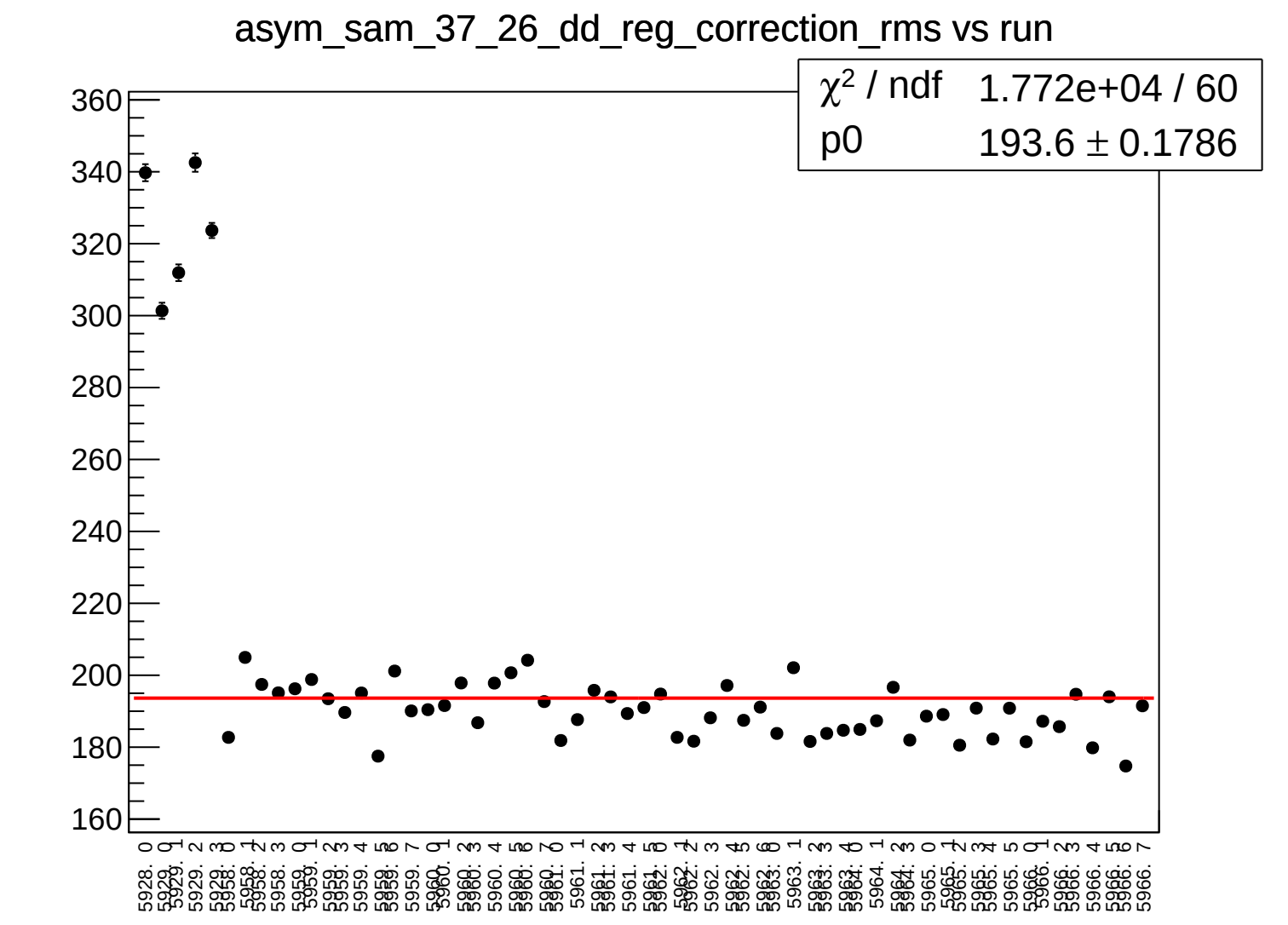

pull1D
Entries 61
Mean 0.1979
Std Dev 1.126

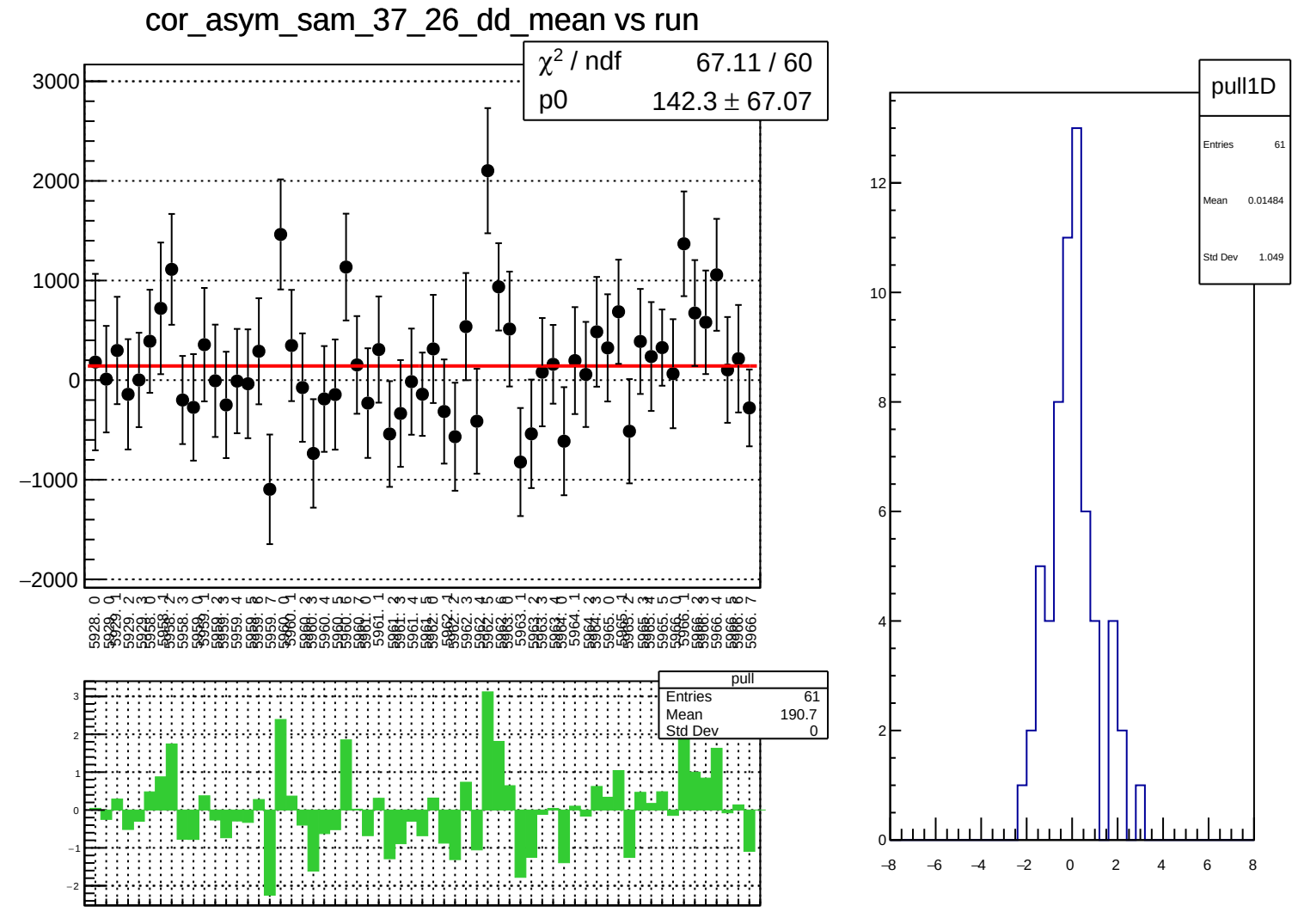

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.235e+05 / 60
p0 3.224e−11 ± 3.458e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

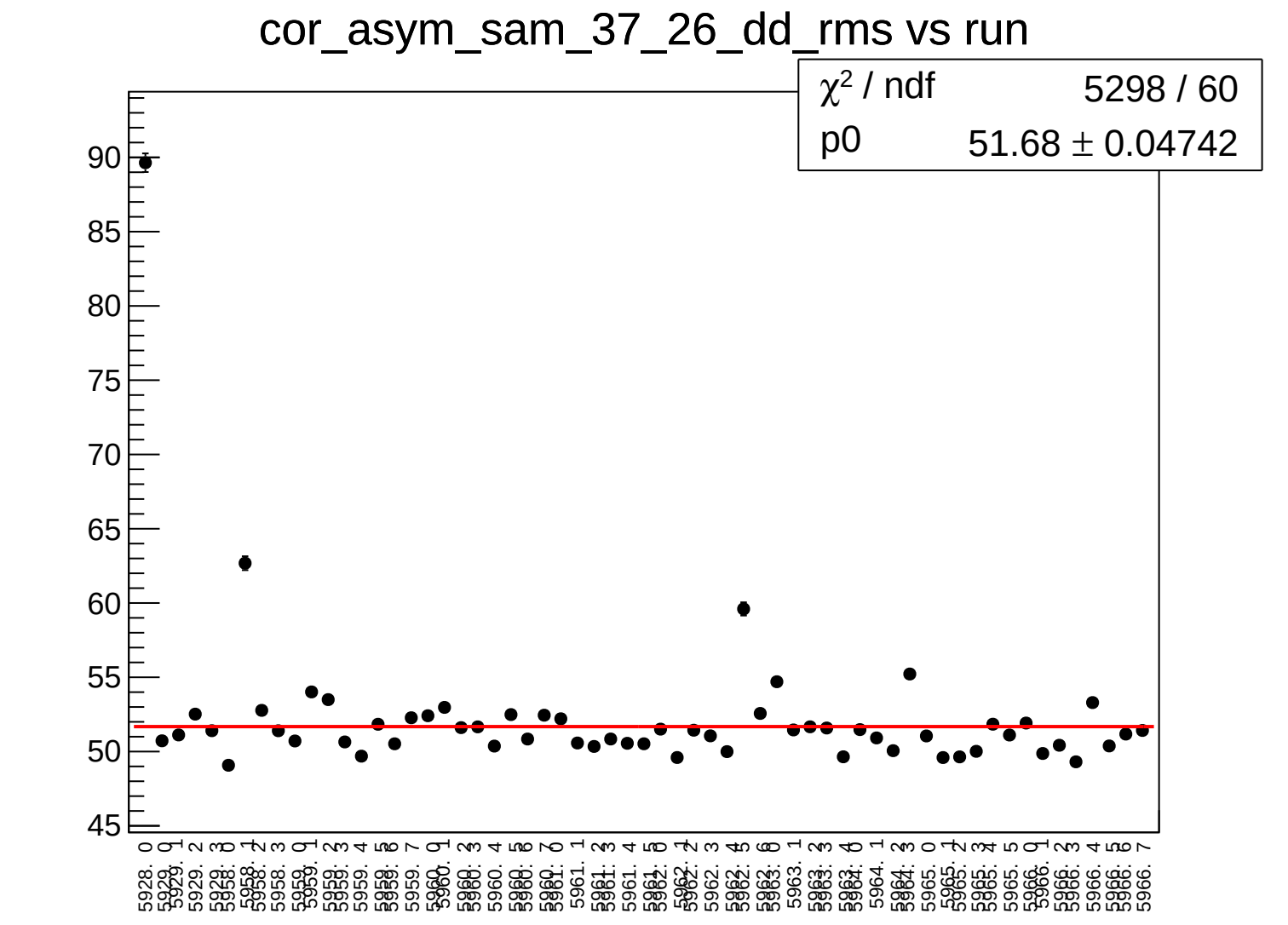

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.12 / 60
p0 142.3 ± 67.07
pull
Entries 61
Mean 190.7
Std Dev 0
pull1D
Entries 61
Mean 0.01484
Std Dev 1.049

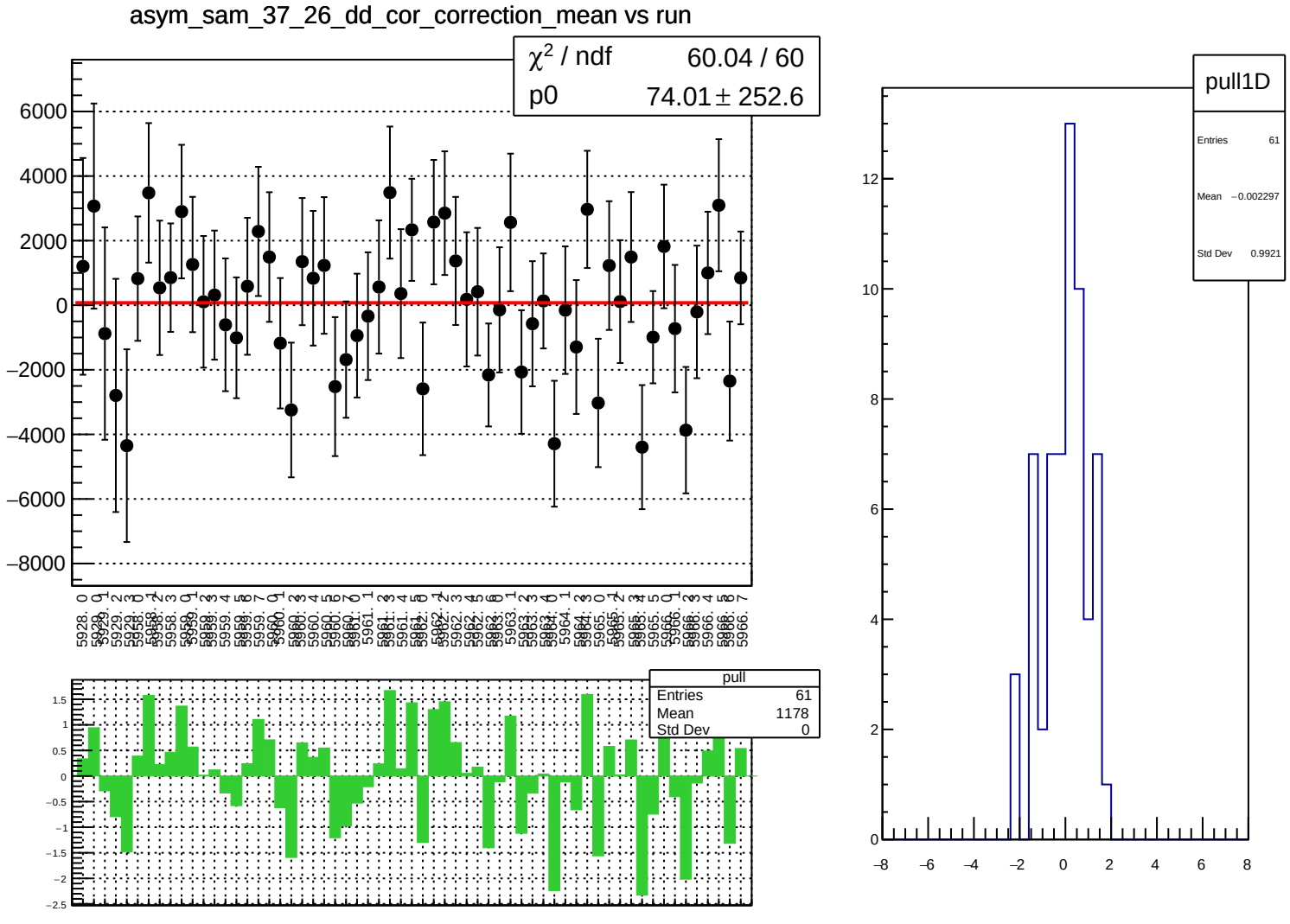

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 5298 / 60
p0 51.68 ± 0.04742
90
85
80
75
70
65
60
55
50
45

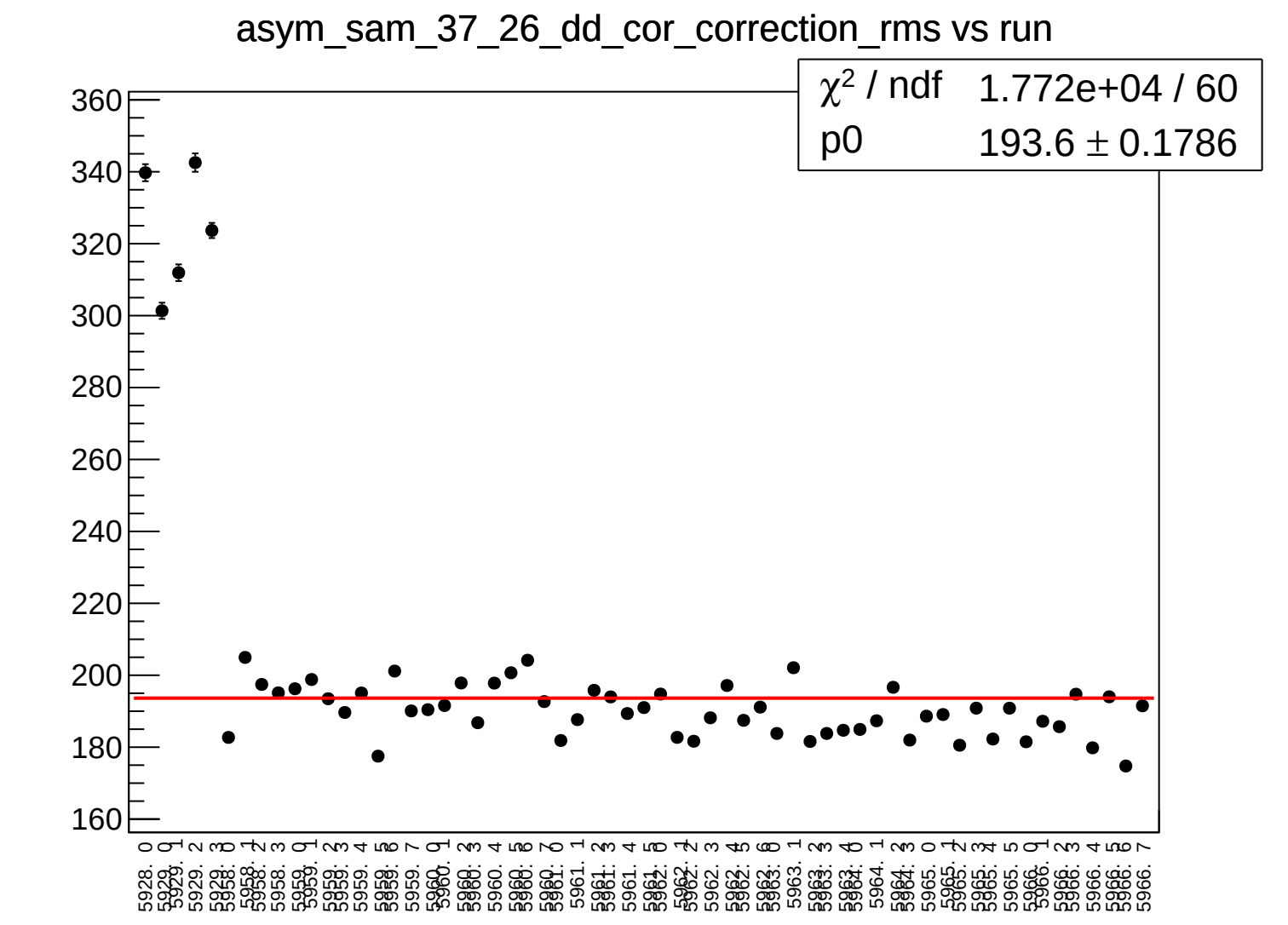

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 60.04 / 60
p0 74 ± 252.6
pull
Entries 61
Mean 1178
Std Dev 0
pull1D
Entries 61
Mean −0.002296
Std Dev 0.9921

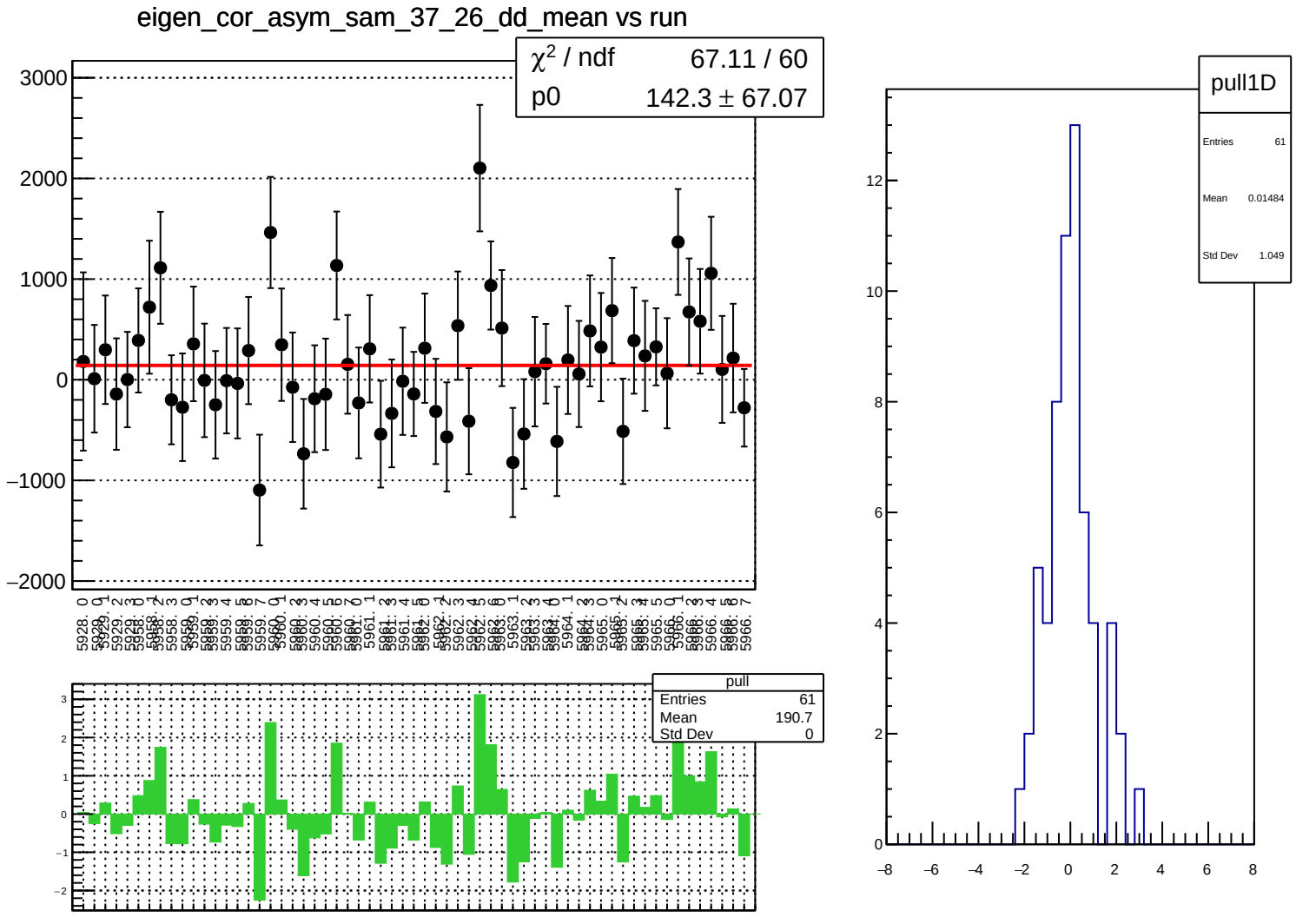

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1.772e+04 / 60
p0 193.6 ± 0.1786
360
340
320
300
280
260
240
220
200
180
160

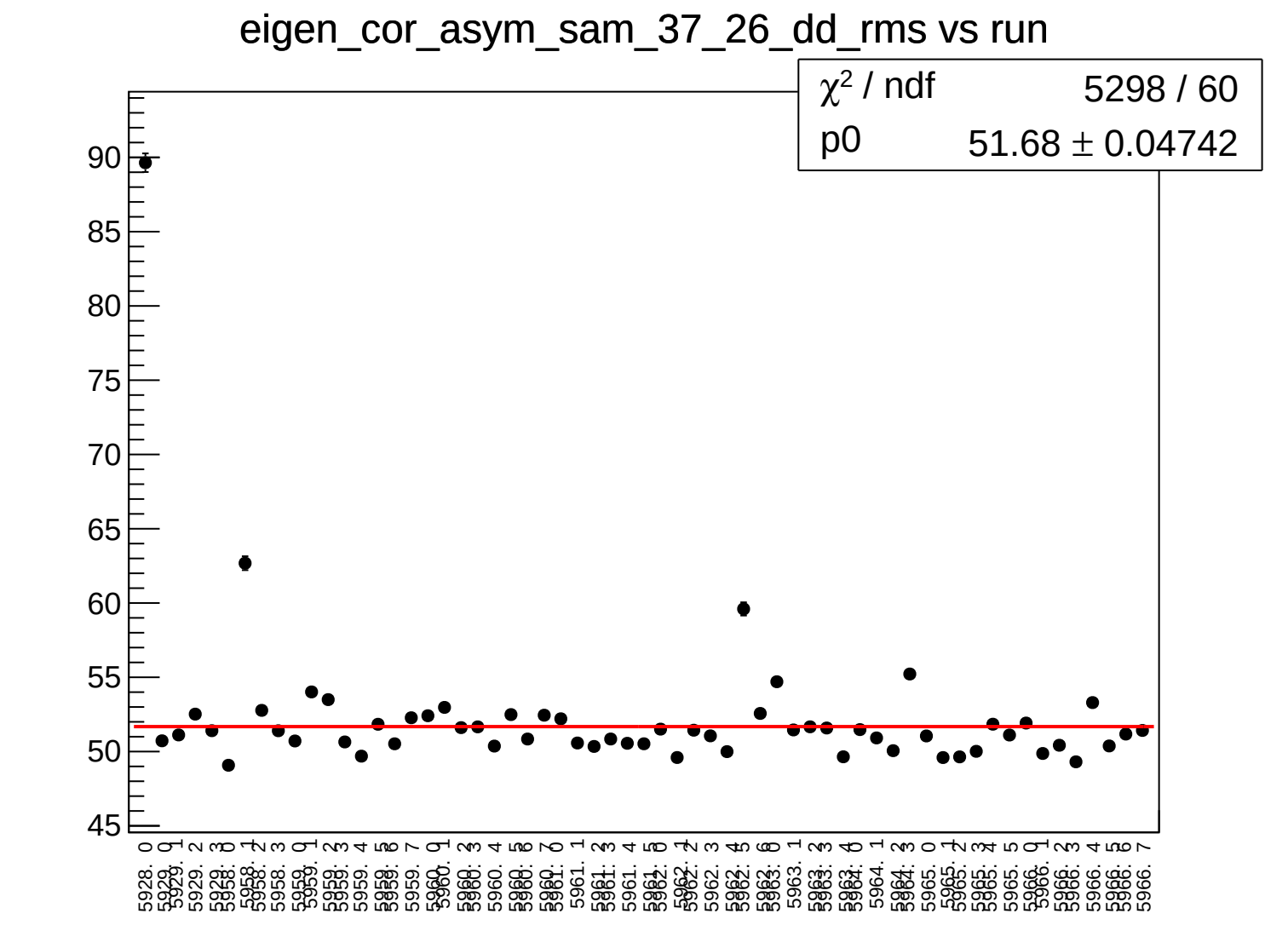

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.11 / 60
p0 142.3 ± 67.07
3000
2000
1000
0
−1000
−2000
pull
Entries 61
Mean 190.7
Std Dev 0
pull1D
Entries 61
Mean 0.01484
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

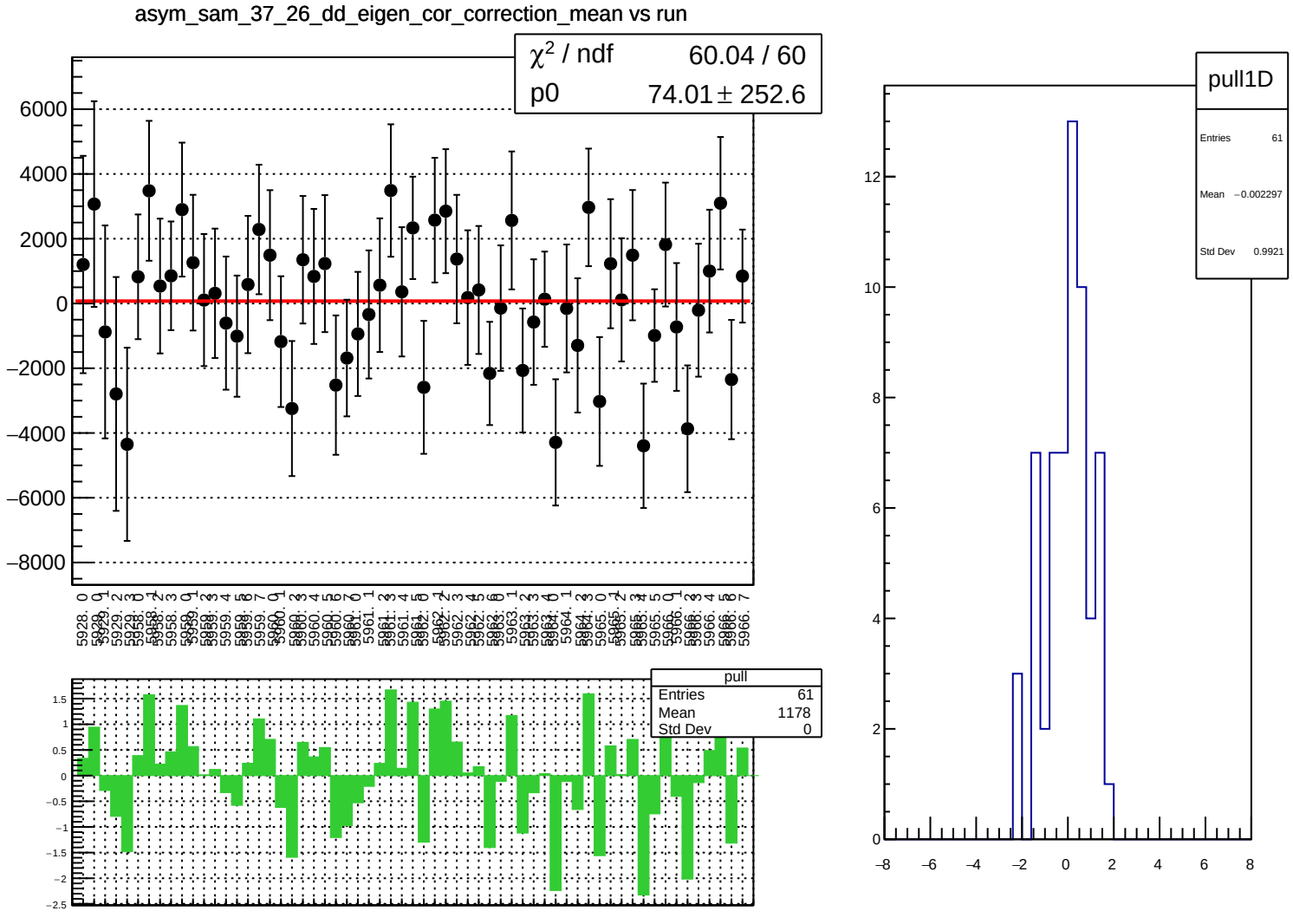

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5298 / 60
p0 51.68 ± 0.04742
90
85
80
75
70
65
60
55
50
45

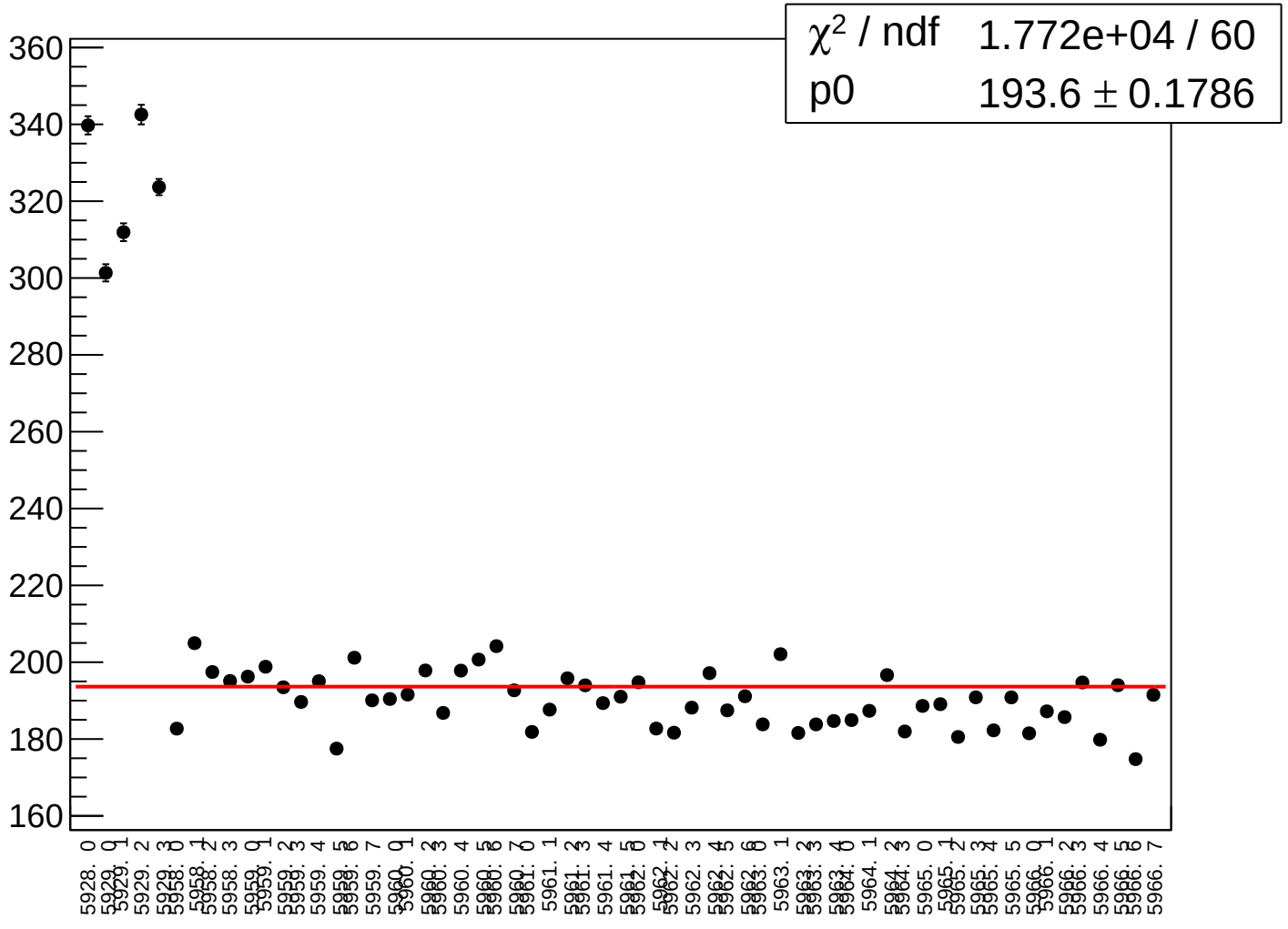

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 60.04 / 60
p0 74.01 ± 252.6
pull
Entries 61
Mean 1178
Std Dev 0
pull1D
Entries 61
Mean −0.002297
Std Dev 0.9921

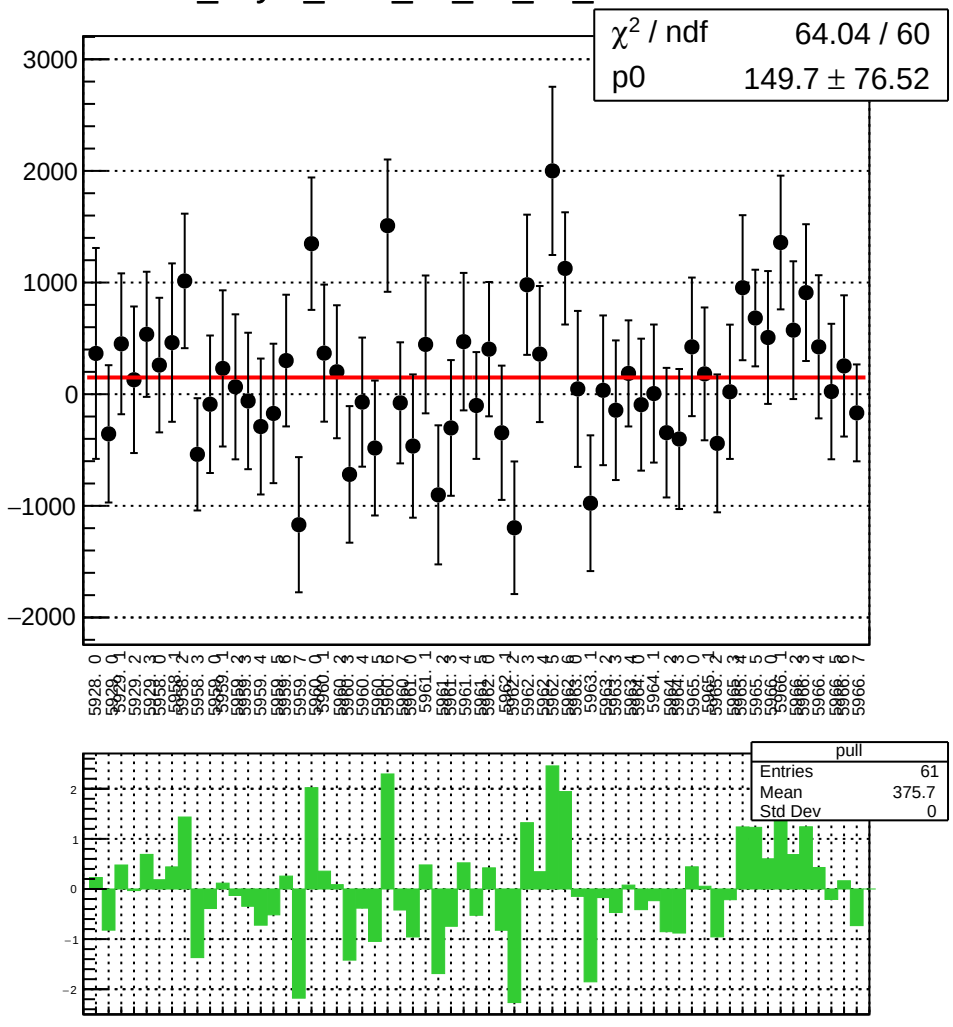

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1.772e+04 / 60
p0 193.6 ± 0.1786
360
340
320
300
280
260
240
220
200
180
160

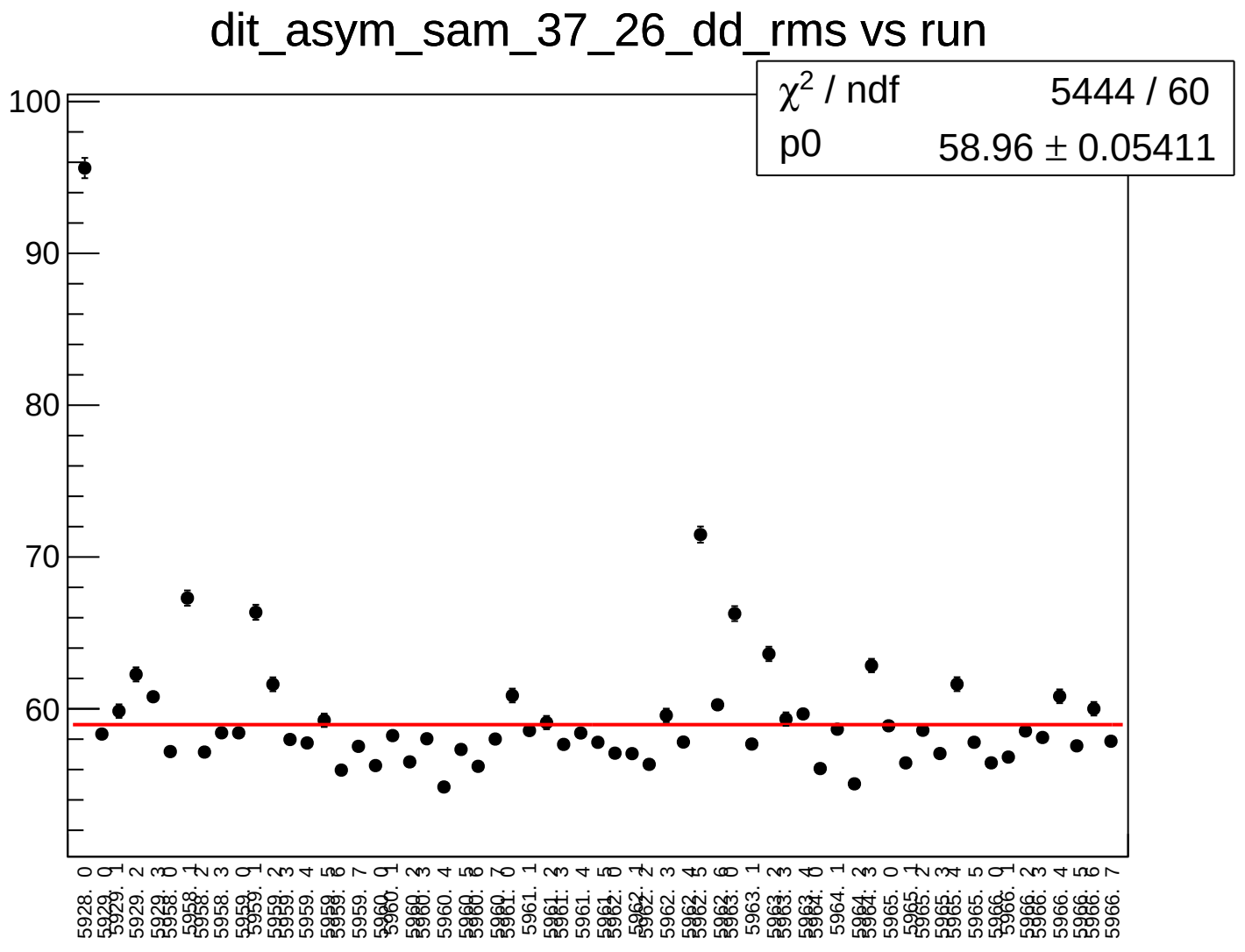

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.11 / 60
p0 142.3 ± 67.07
pull
Entries 61
Mean 190.7
Std Dev 0
pull1D
Entries 61
Mean 0.01484
Std Dev 1.049

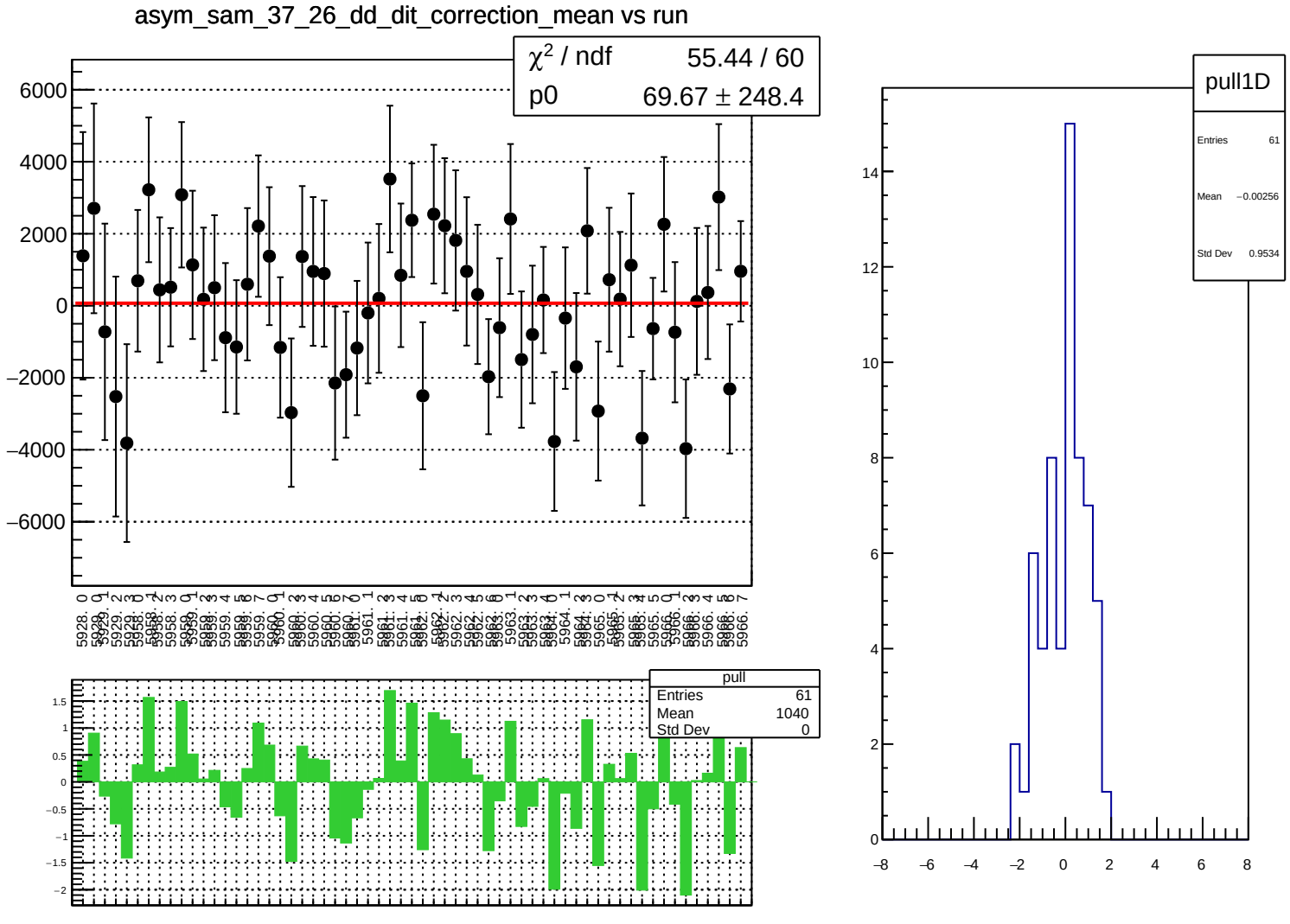

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5298 / 60
p0 51.68 ± 0.04742
90
85
80
75
70
65
60
55
50
45

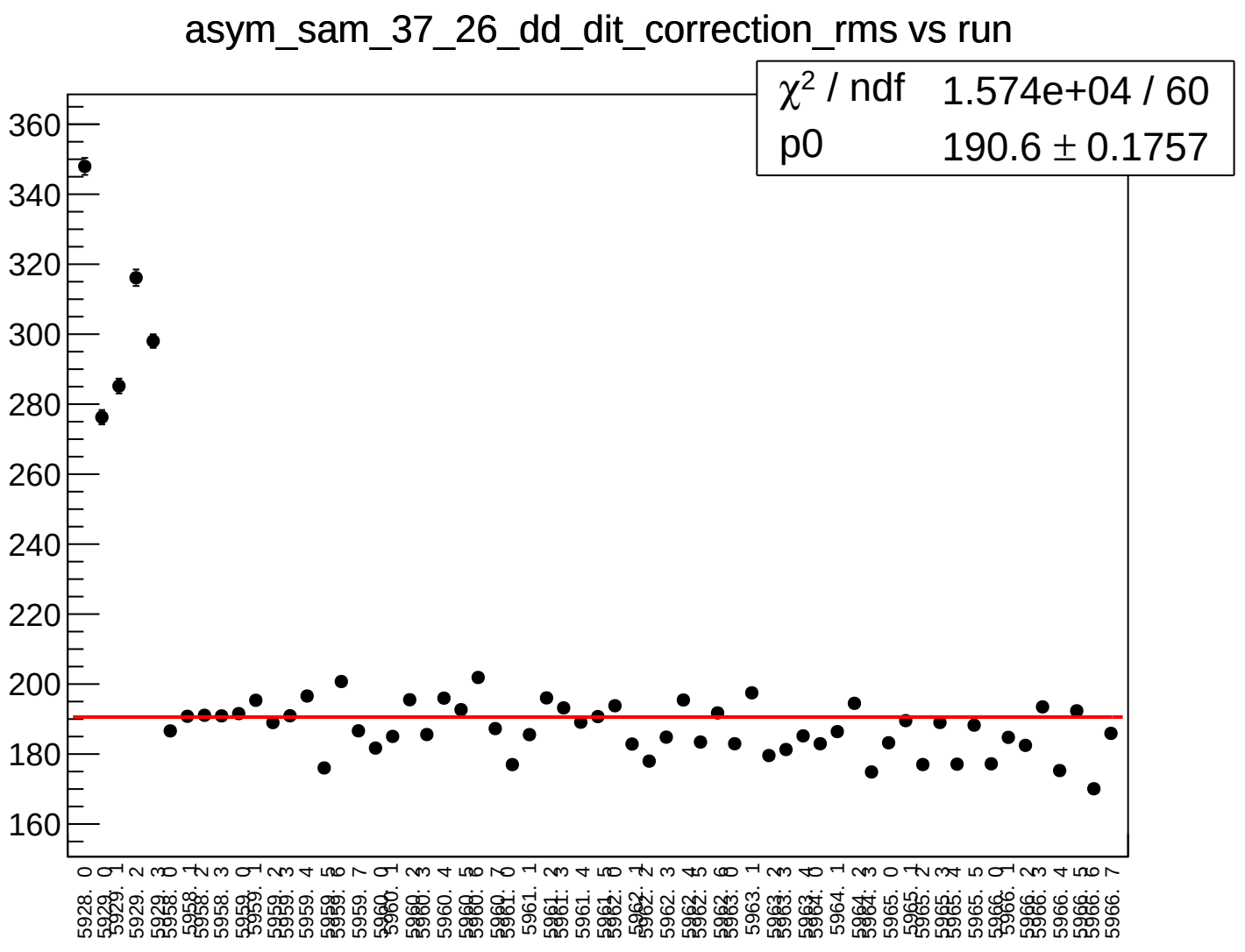

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 60.04 / 60
p0 74.01 ± 252.6
pull
Entries 61
Mean 1178
Std Dev 0
pull1D
Entries 61
Mean −0.002297
Std Dev 0.9921

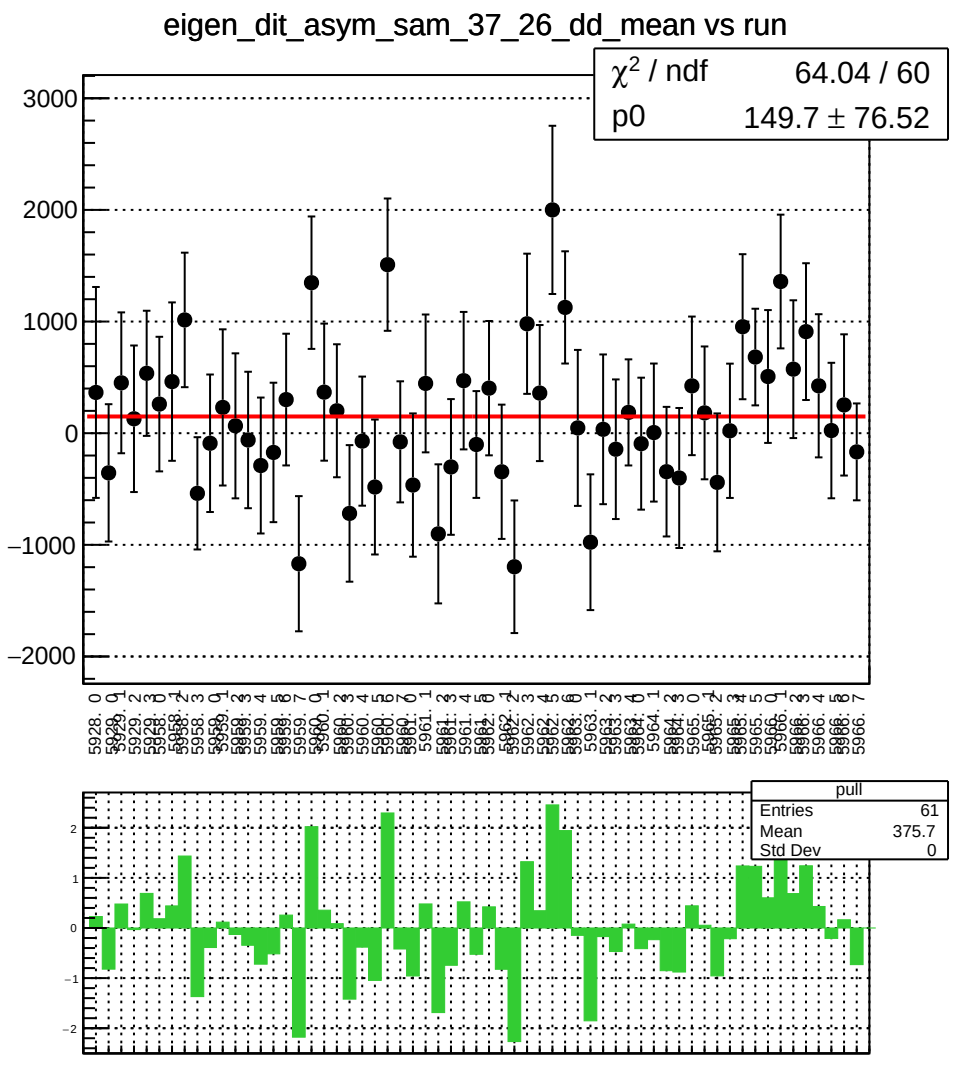

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.772e+04 / 60
p0 193.6 ± 0.1786
360
340
320
300
280
260
240
220
200
180
160

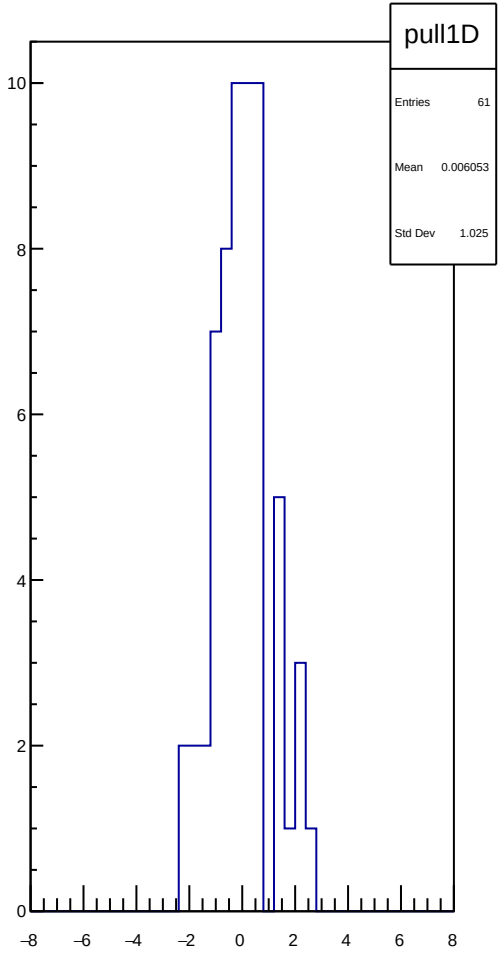

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 64.04 / 60
p0 149.7 ± 76.52
pull
Entries 61
Mean 375.7
Std Dev 0
pull1D
Entries 61
Mean 0.006053
Std Dev 1.025

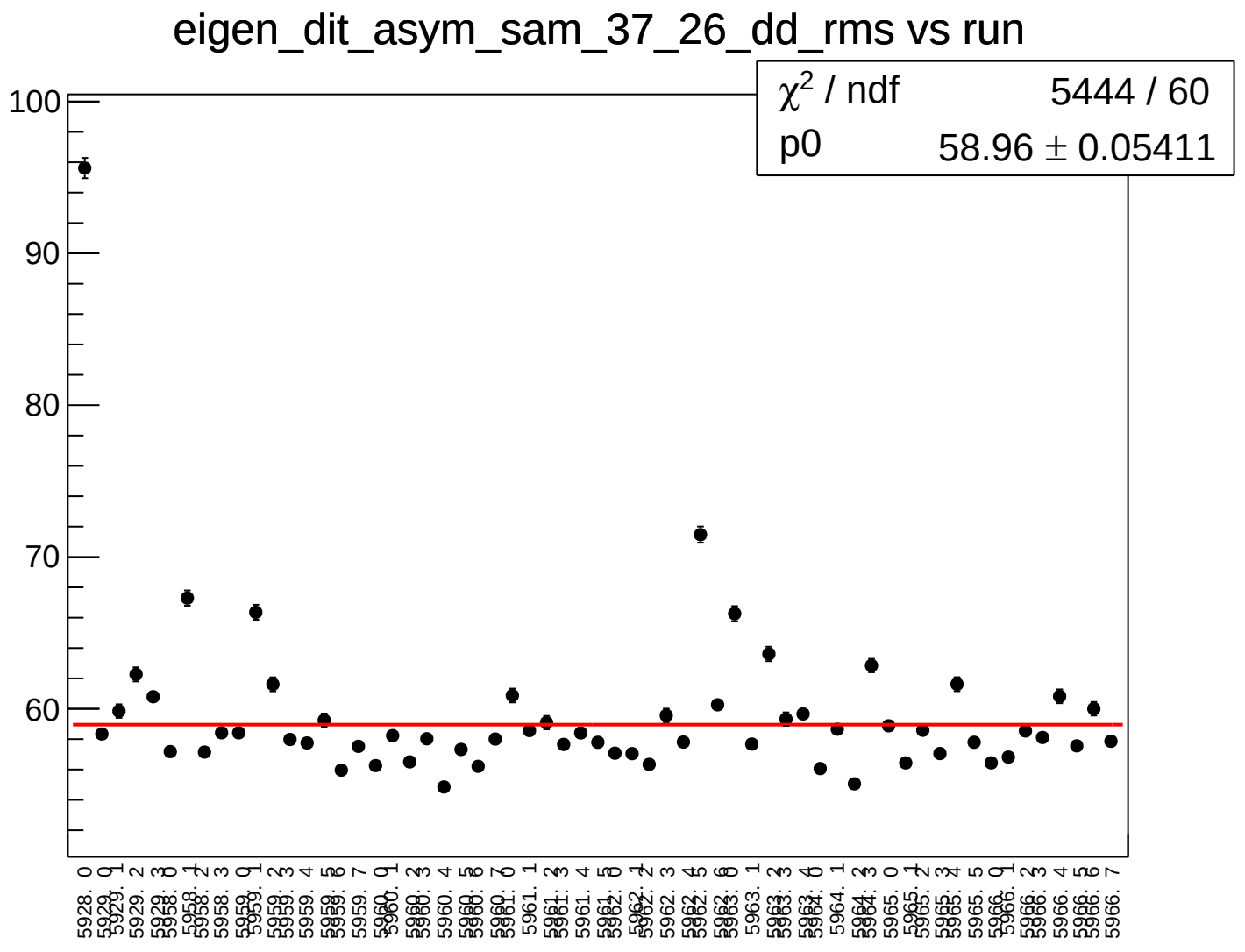

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5444 / 60
p0 58.96 ± 0.05411
100
90
80
70
60

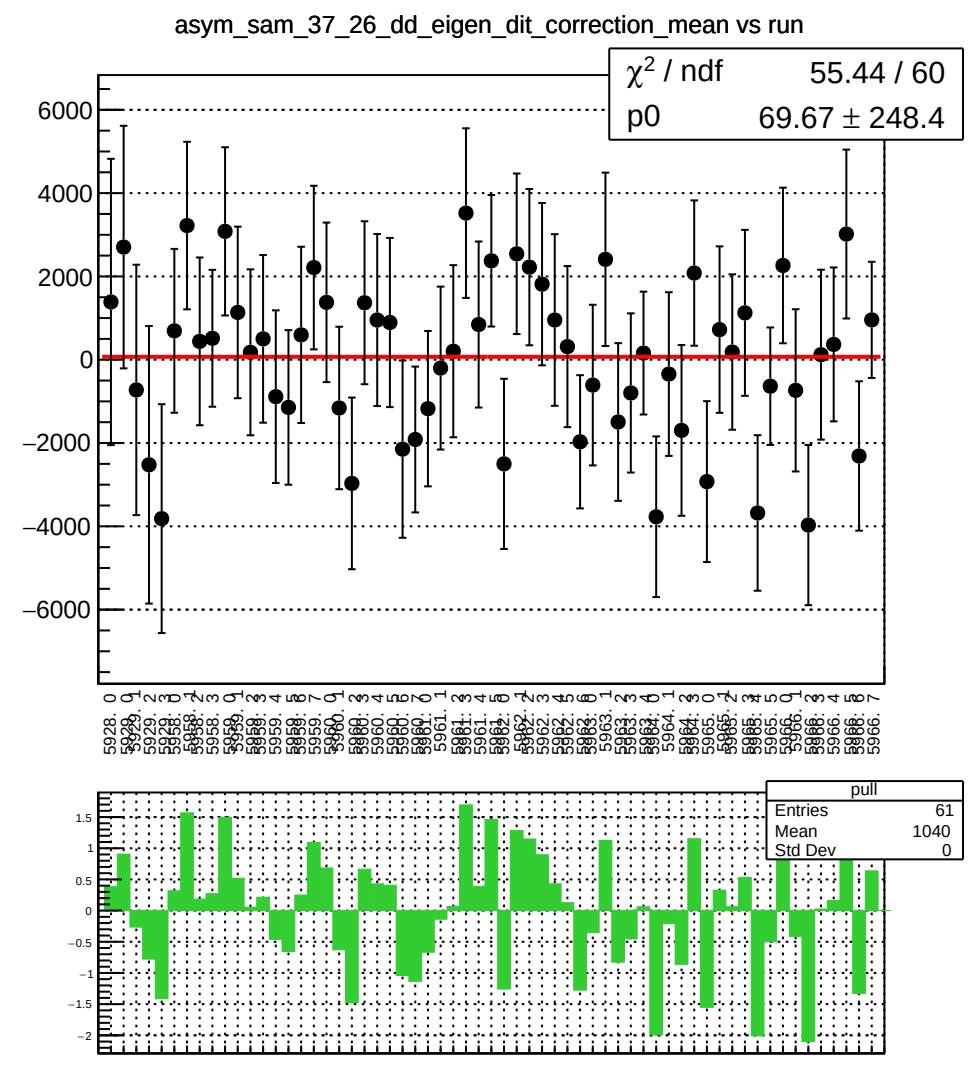

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 55.44 / 60
p0 69.67 ± 248.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 61
Mean 1040
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 61
Mean −0.00256
Std Dev 0.9534
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

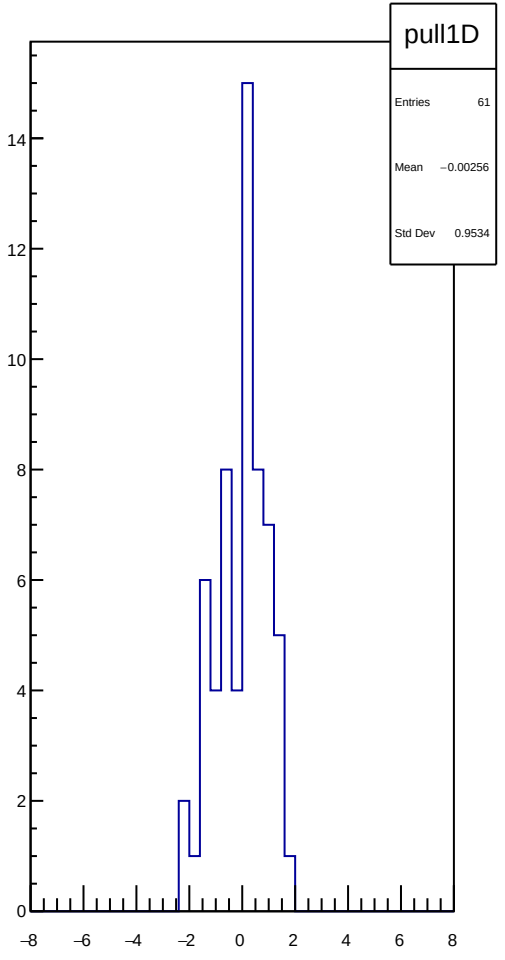

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1.574e+04 / 60
p0 190.6 ± 0.1757
360
340
320
300
280
260
240
220
200
180
160

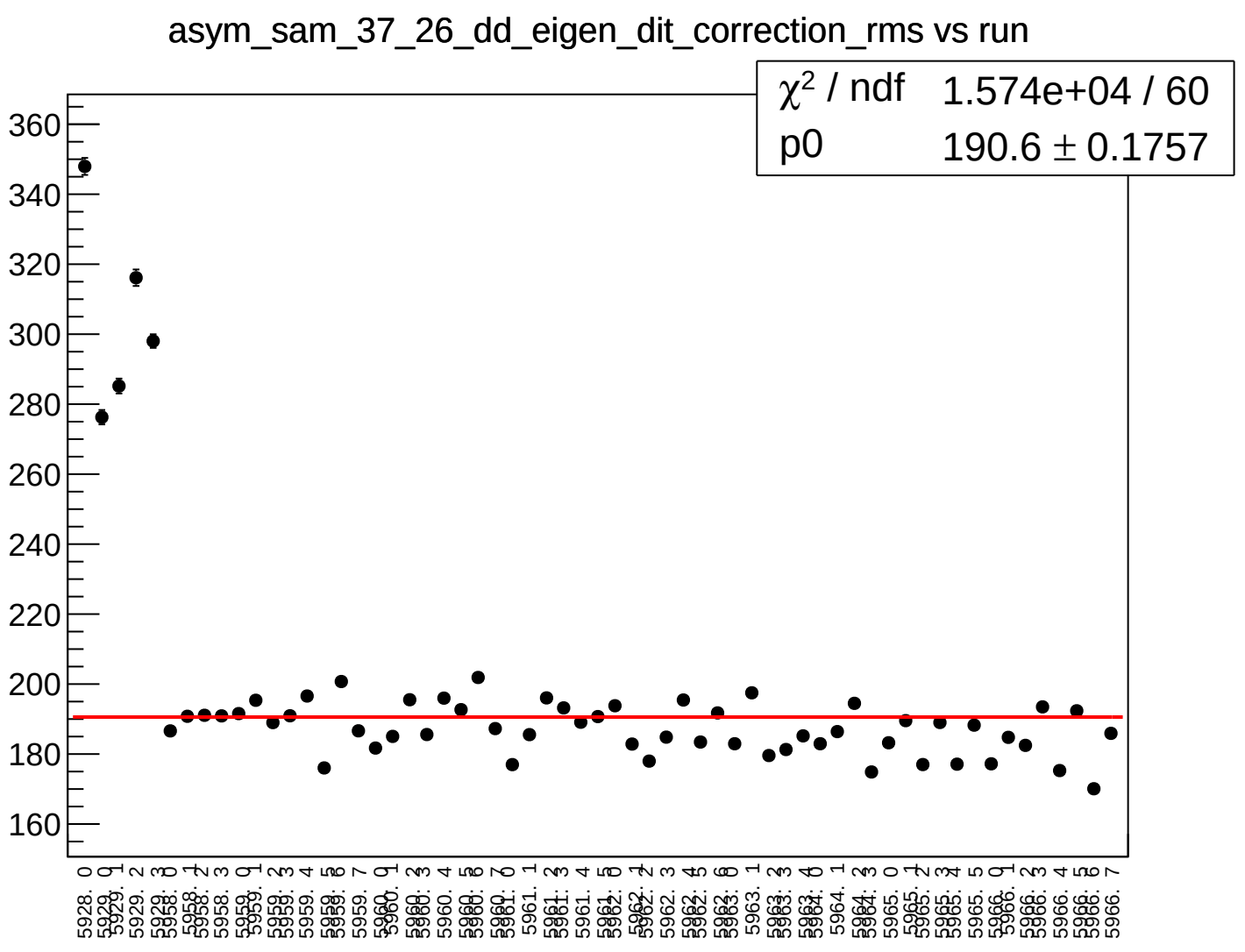

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 64.04 / 60
p0 149.7 ± 76.52
pull
Entries 61
Mean 375.7
Std Dev 0

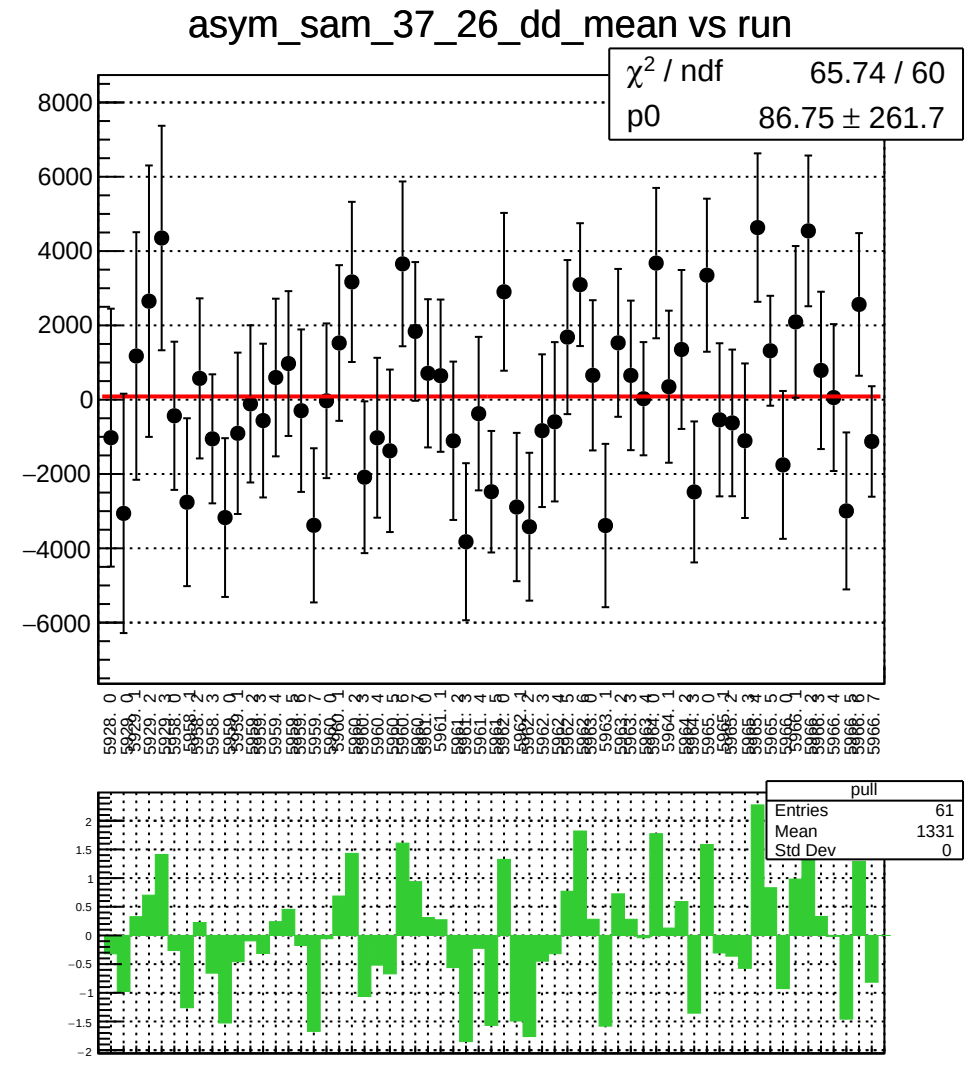

pull1D
Entries 61
Mean 0.006053
Std Dev 1.025

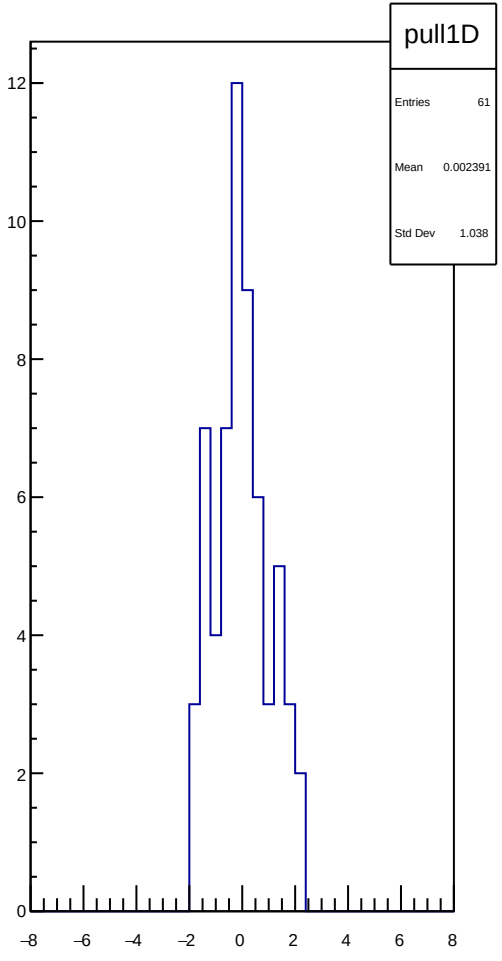

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5444 / 60
p0 58.96 ± 0.05411
100
90
80
70
60

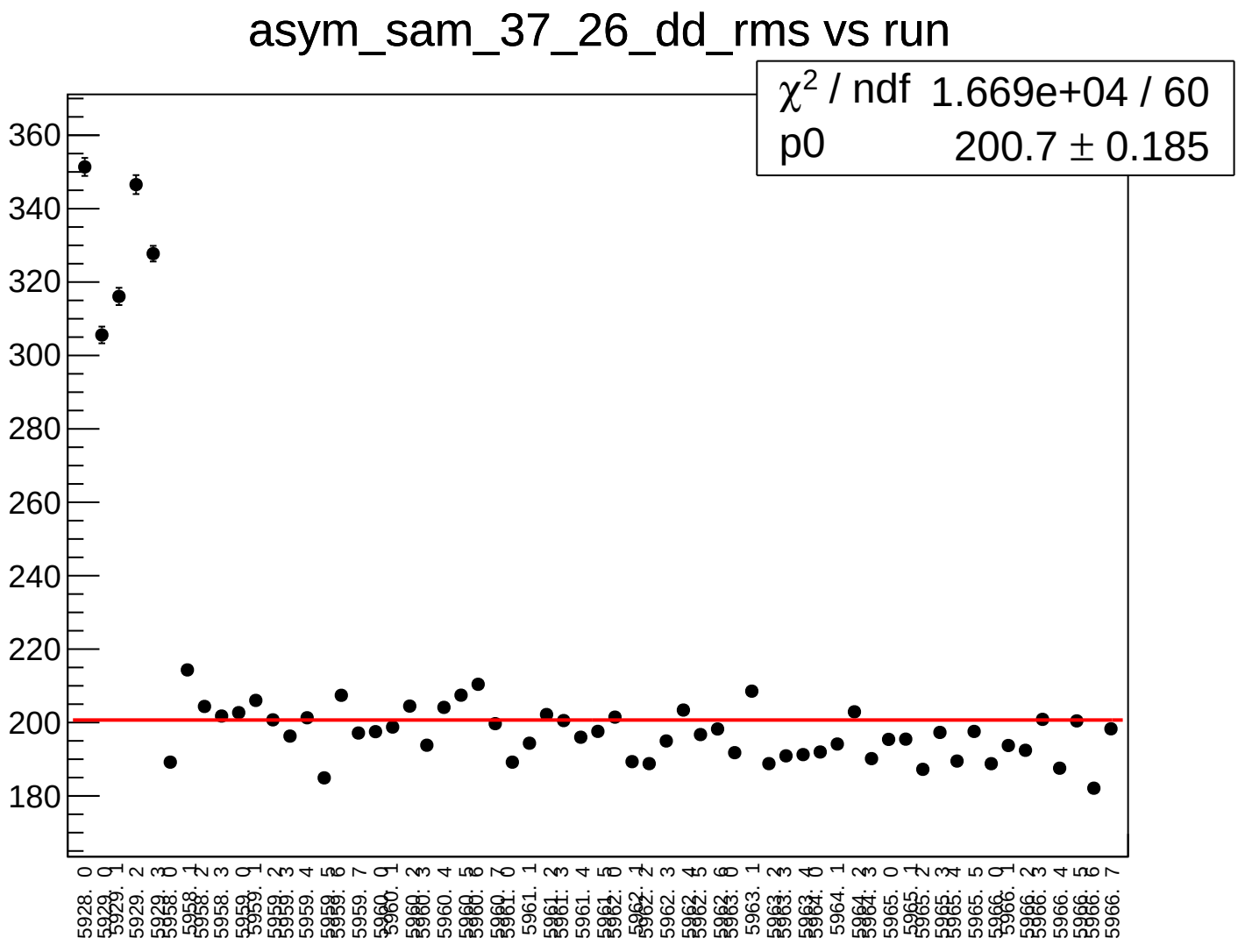

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 55.44 / 60
p0 69.67 ± 248.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 61
Mean 1040
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

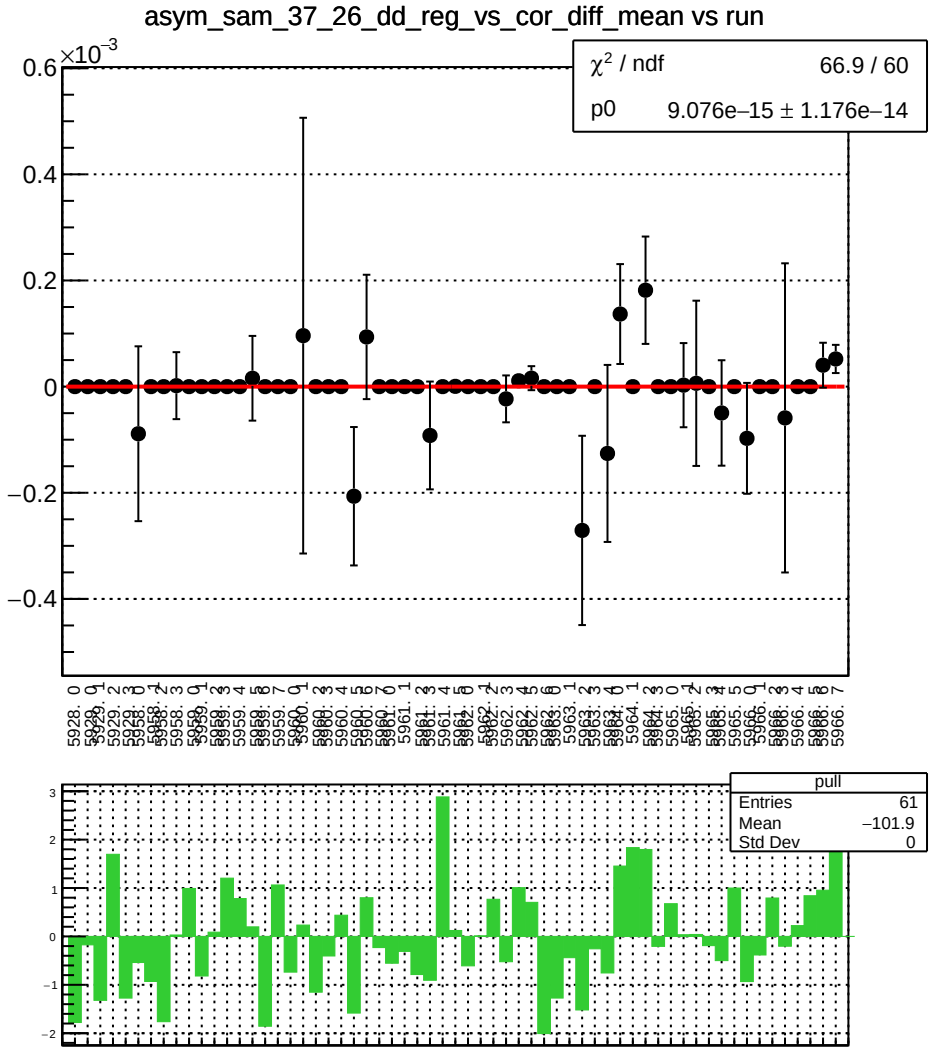

pull1D
Entries 61
Mean −0.00256
Std Dev 0.9534
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

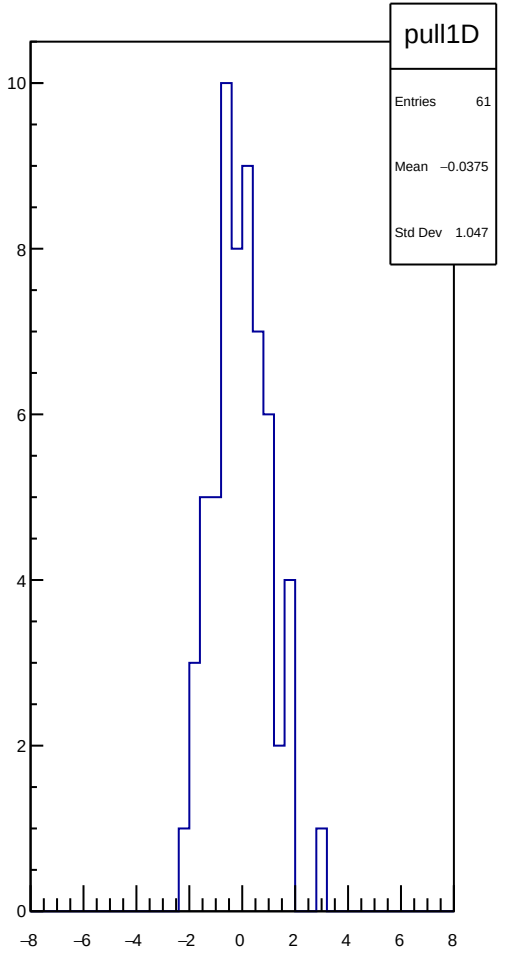

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.574e+04 / 60
p0 190.6 ± 0.1757
360
340
320
300
280
260
240
220
200
180
160

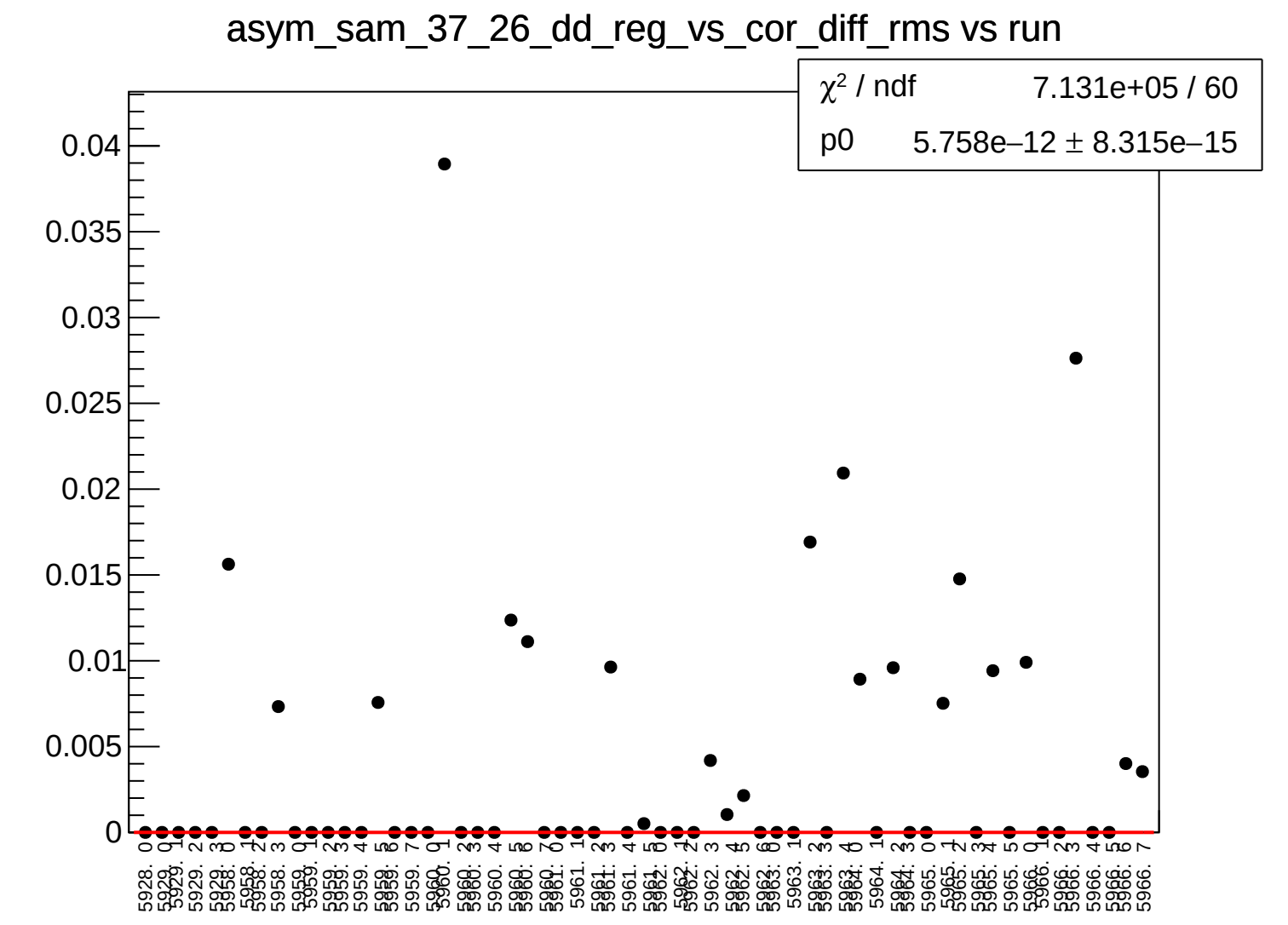

asym_sam_37_26_dd_mean vs run
χ² / ndf 65.74 / 60
p0 86.75 ± 261.7
pull
Entries 61
Mean 1331
Std Dev 0

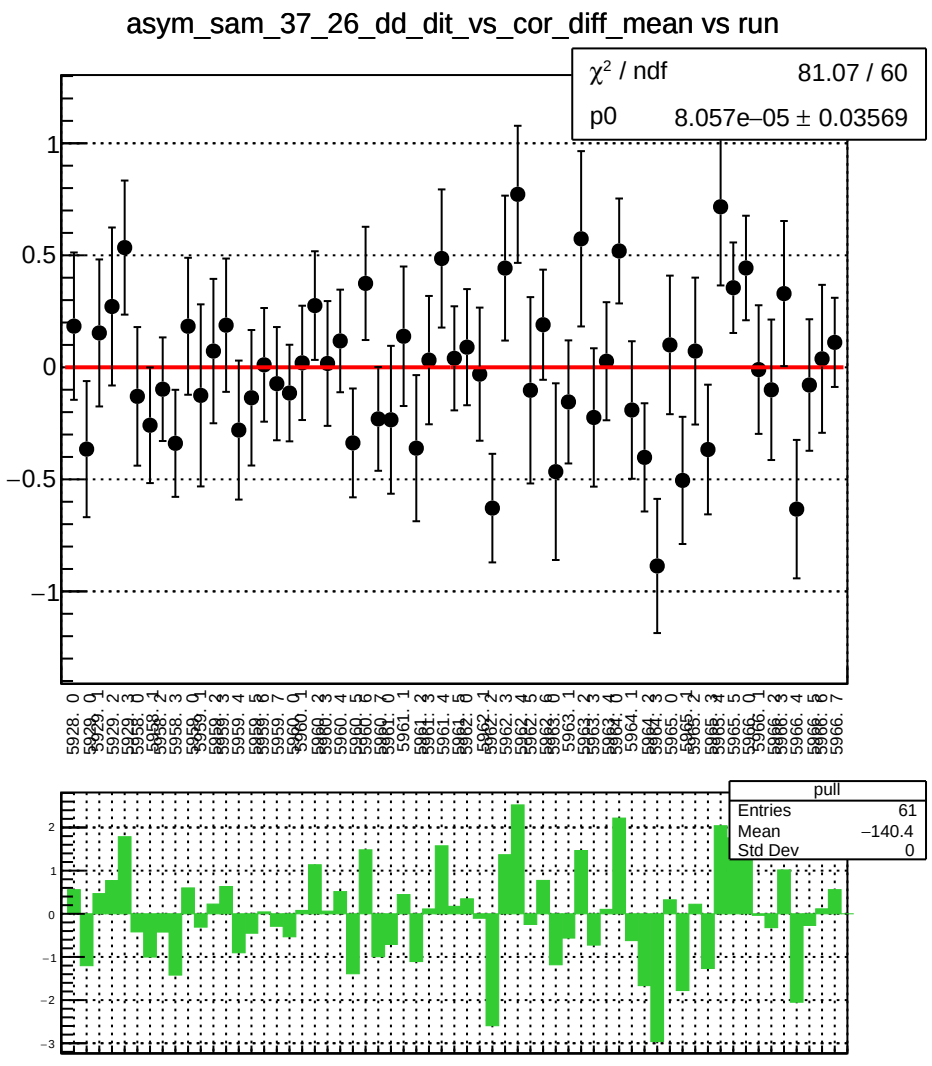

pull1D
Entries 61
Mean 0.002391
Std Dev 1.038

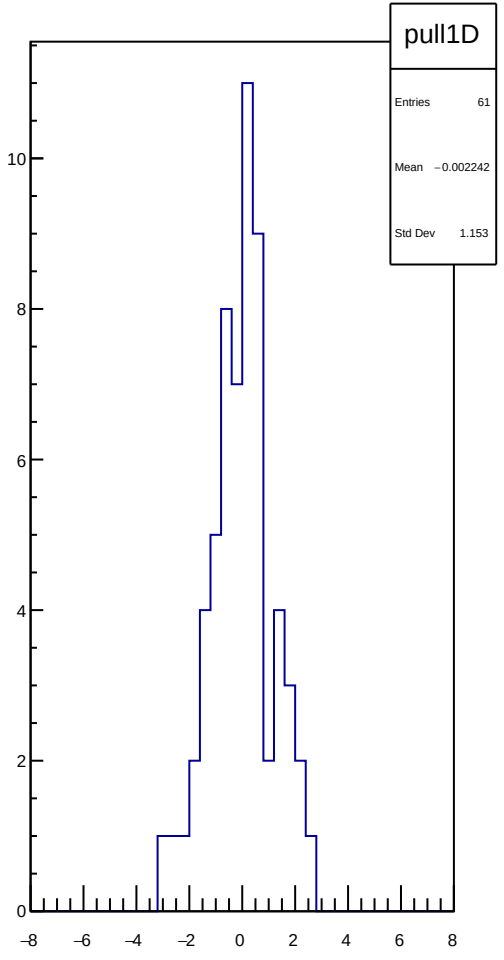

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.669e+04 / 60
p0 200.7 ± 0.185
360
340
320
300
280
260
240
220
200
180

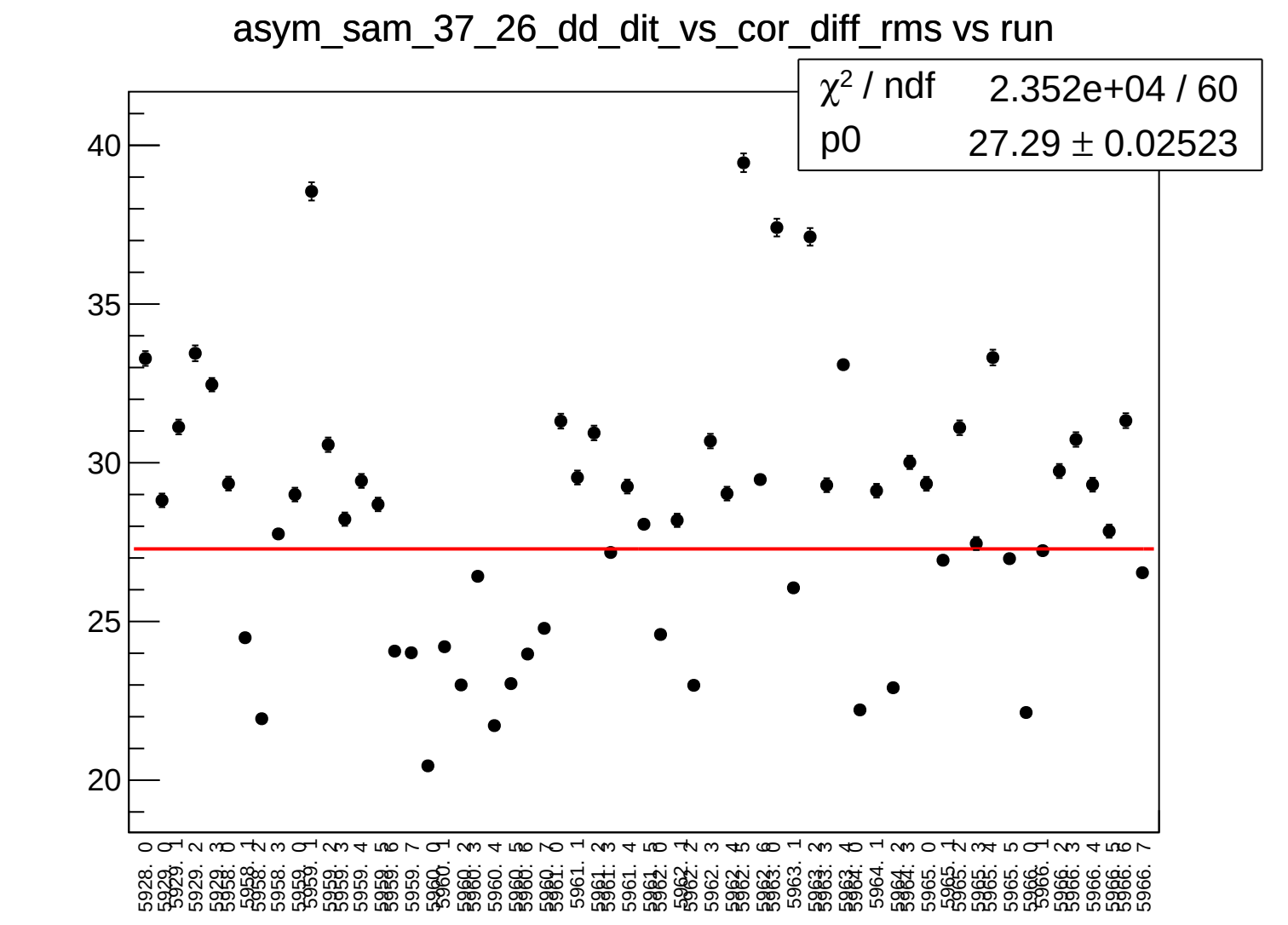

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 66.9 / 60
p0 9.076e−15 ± 1.176e−14
×10⁻³
pull
Entries 61
Mean −101.9
Std Dev 0

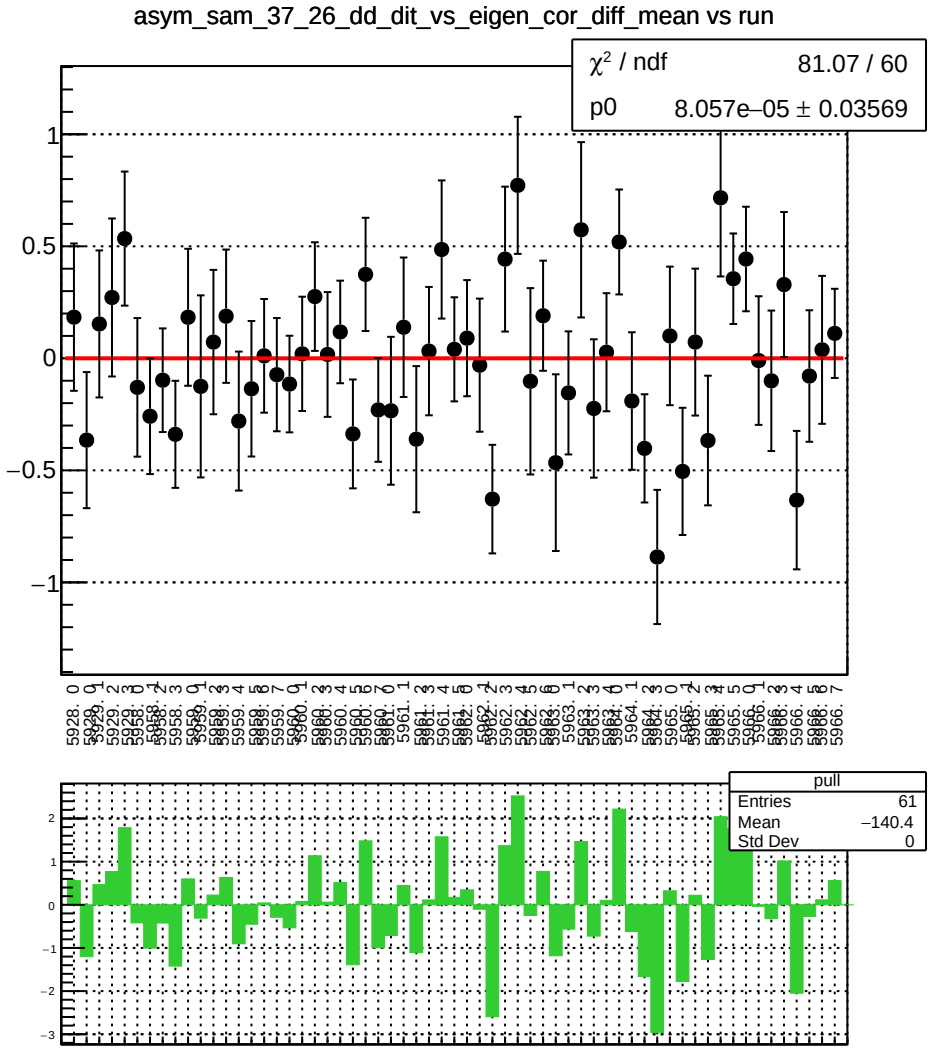

pull1D
Entries 61
Mean −0.0375
Std Dev 1.047

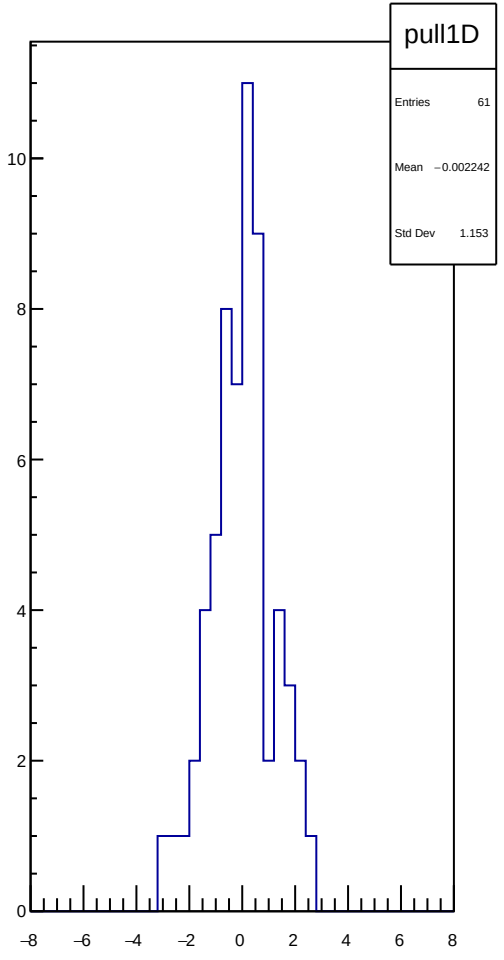

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.131e+05 / 60
p0 5.758e−12 ± 8.315e−15
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

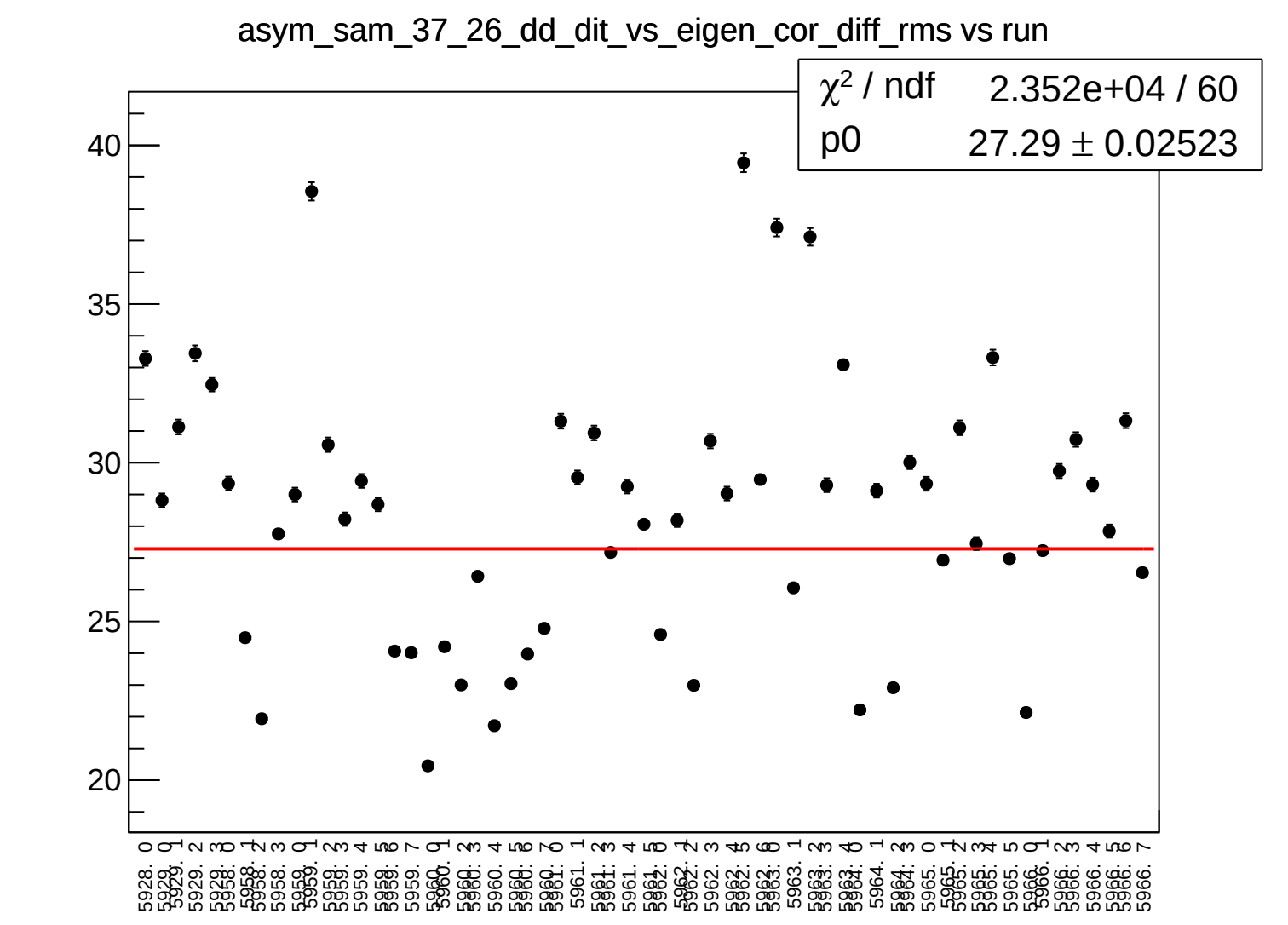

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.07 / 60
p0 8.057e−05 ± 0.03569
pull
Entries 61
Mean −140.4
Std Dev 0

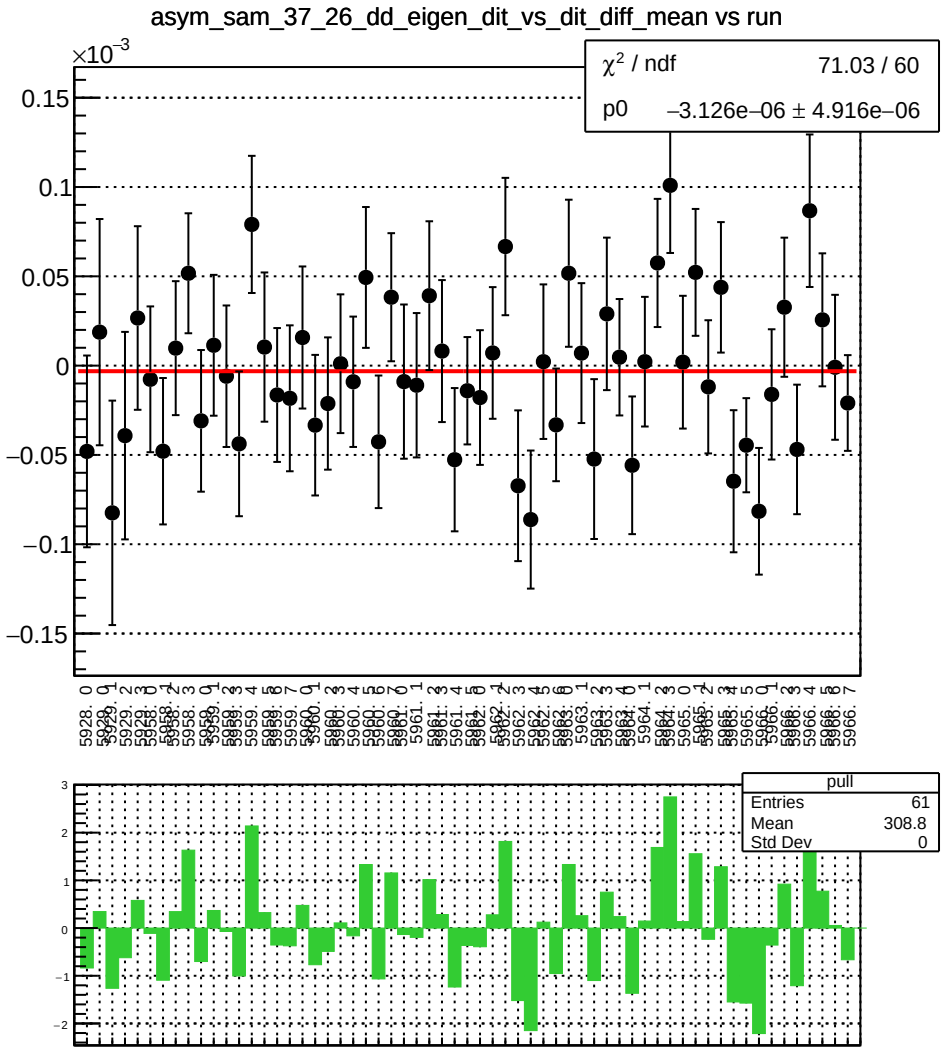

pull1D
Entries 61
Mean −0.002242
Std Dev 1.153

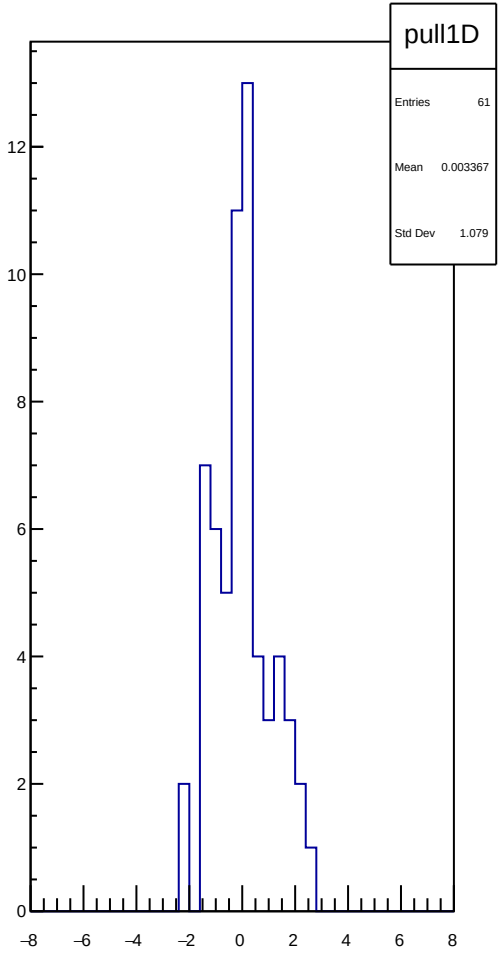

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.352e+04 / 60
p0 27.29 ± 0.02523
40
35
30
25
20

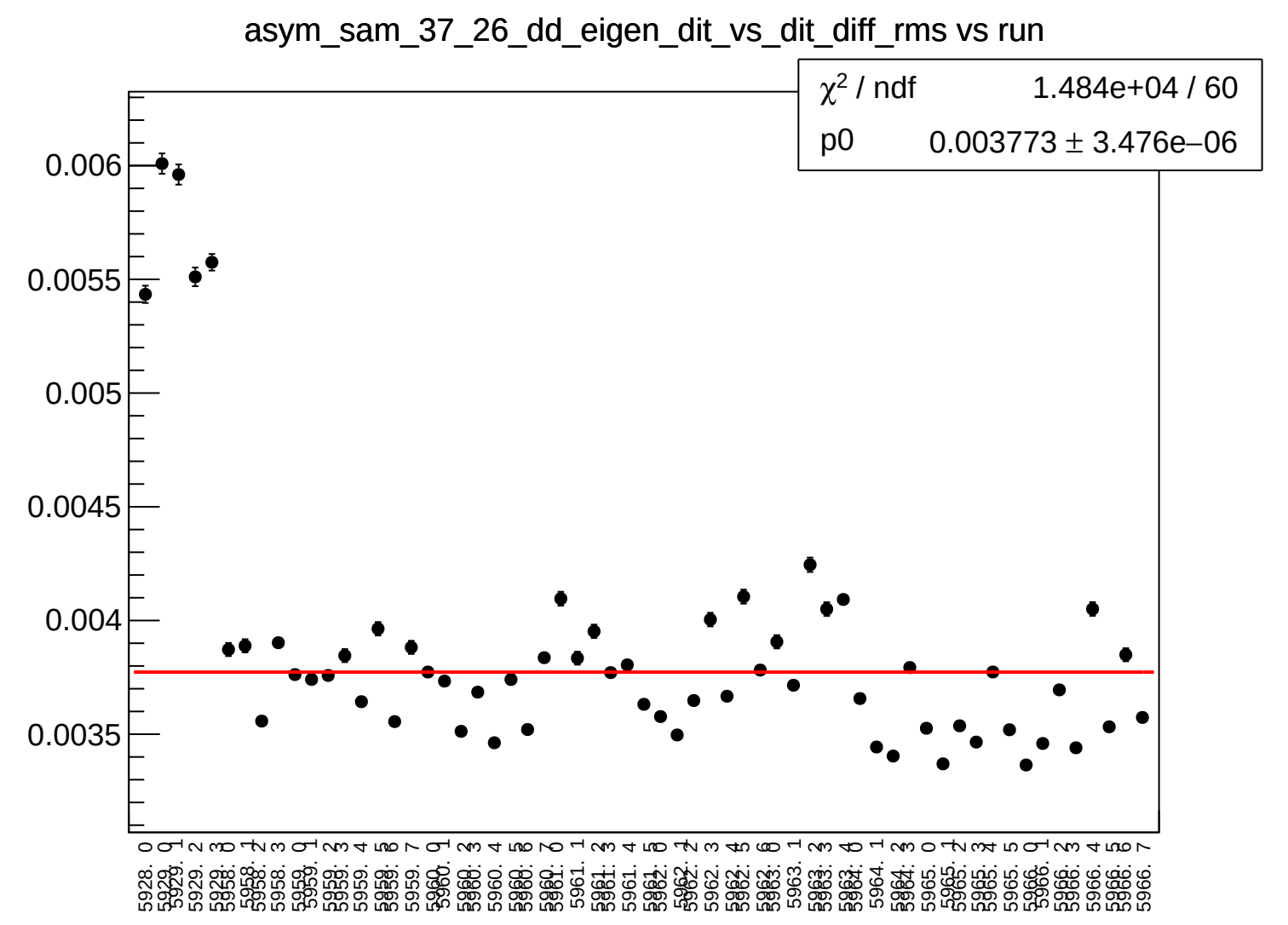

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.07 / 60
p0 8.057e−05 ± 0.03569
pull
Entries 61
Mean −140.4
Std Dev 0


pull1D
Entries 61
Mean −0.002242
Std Dev 1.153

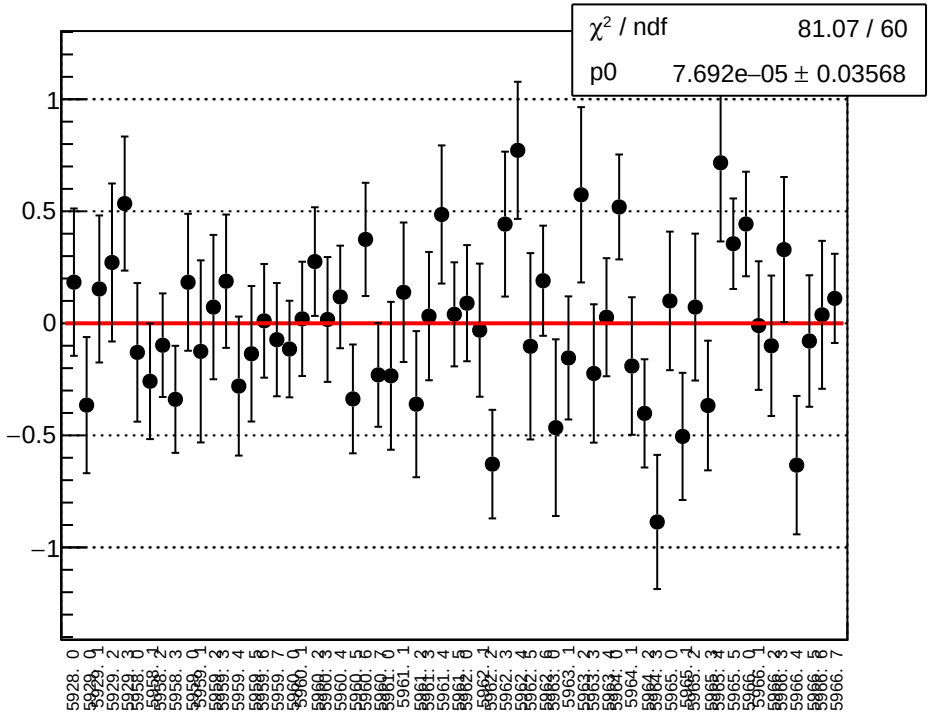

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.352e+04 / 60
p0 27.29 ± 0.02523
40
35
30
25
20

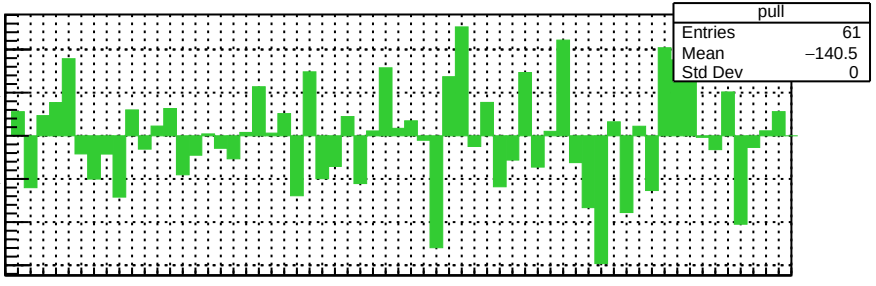

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.03 / 60
p0 −3.126e−06 ± 4.916e−06
pull
Entries 61
Mean 308.8
Std Dev 0

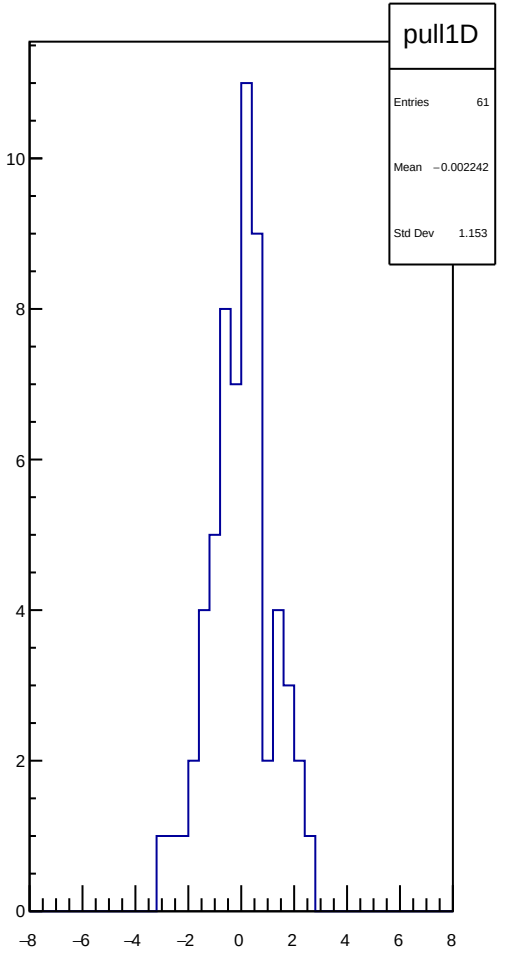

pull1D
Entries 61
Mean 0.003367
Std Dev 1.079

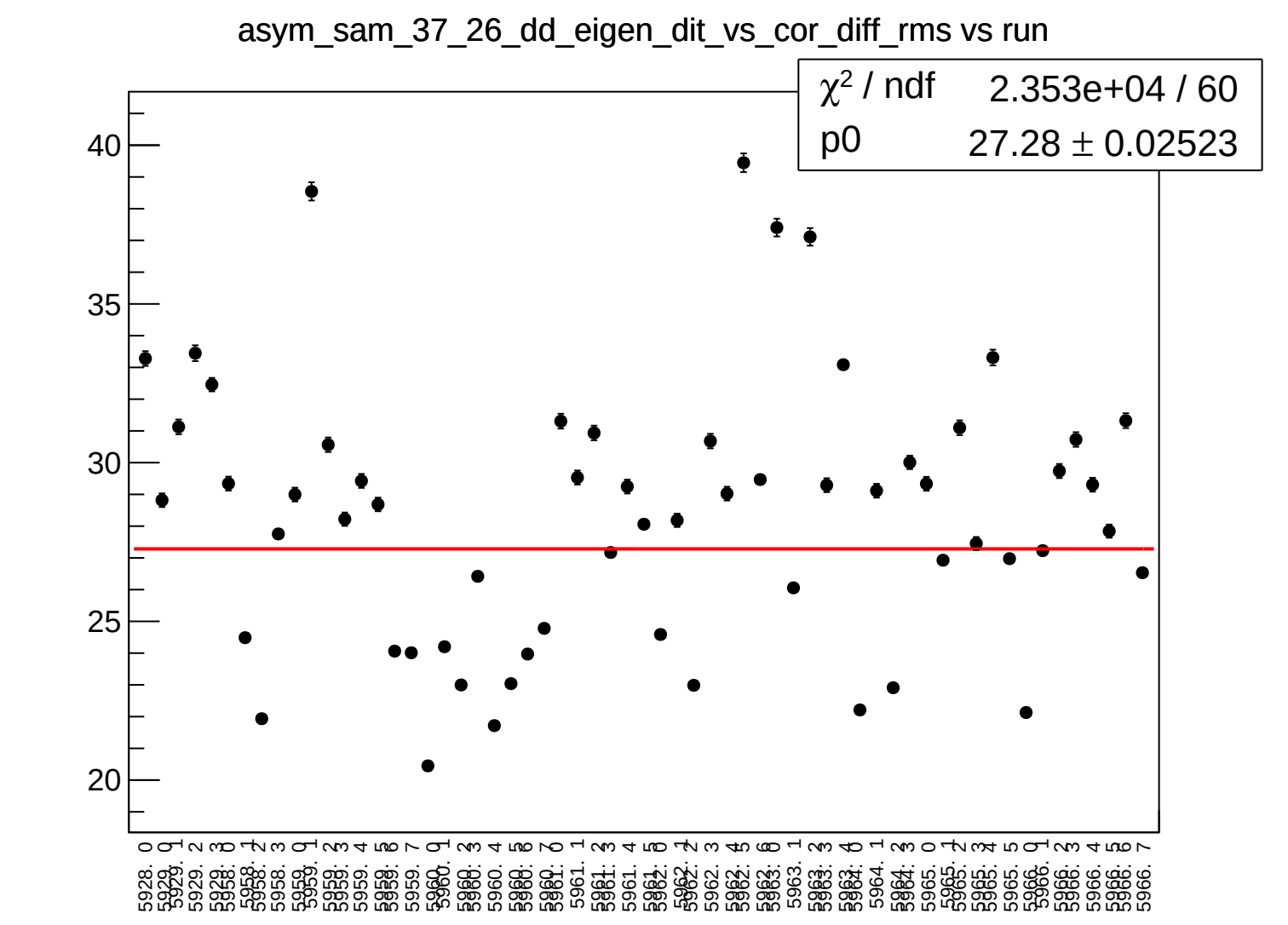

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.484e+04 / 60
p0 0.003773 ± 3.476e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run

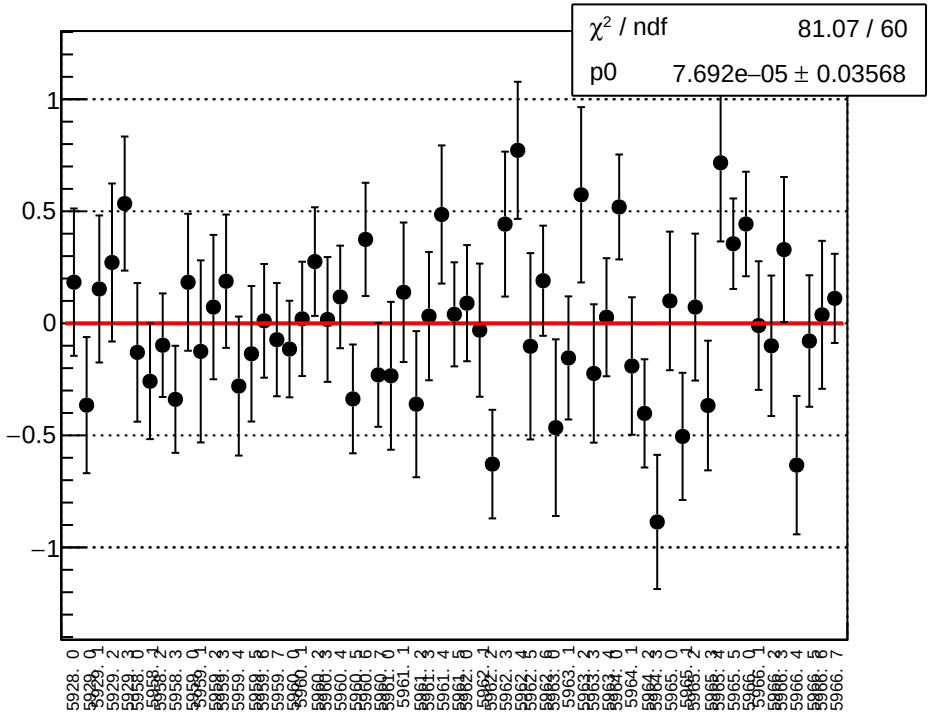


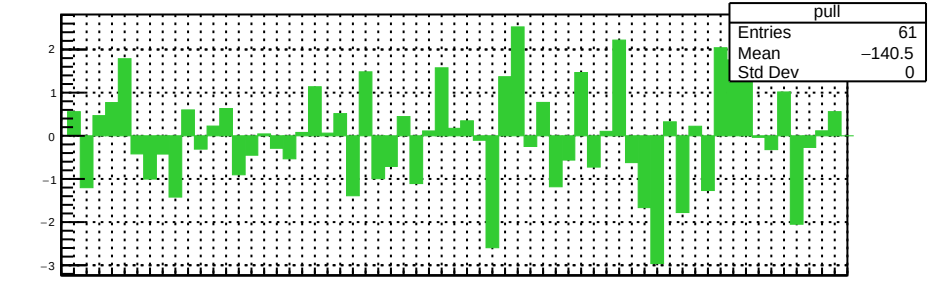


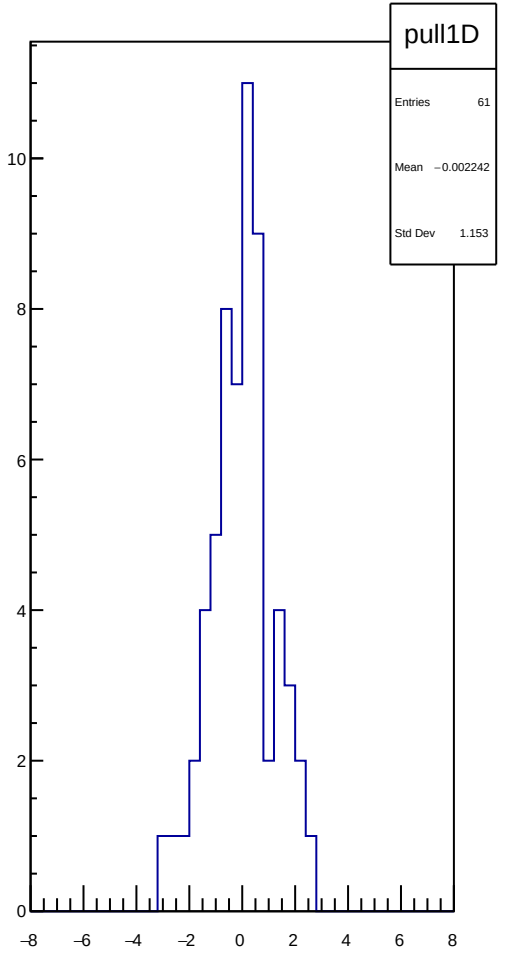


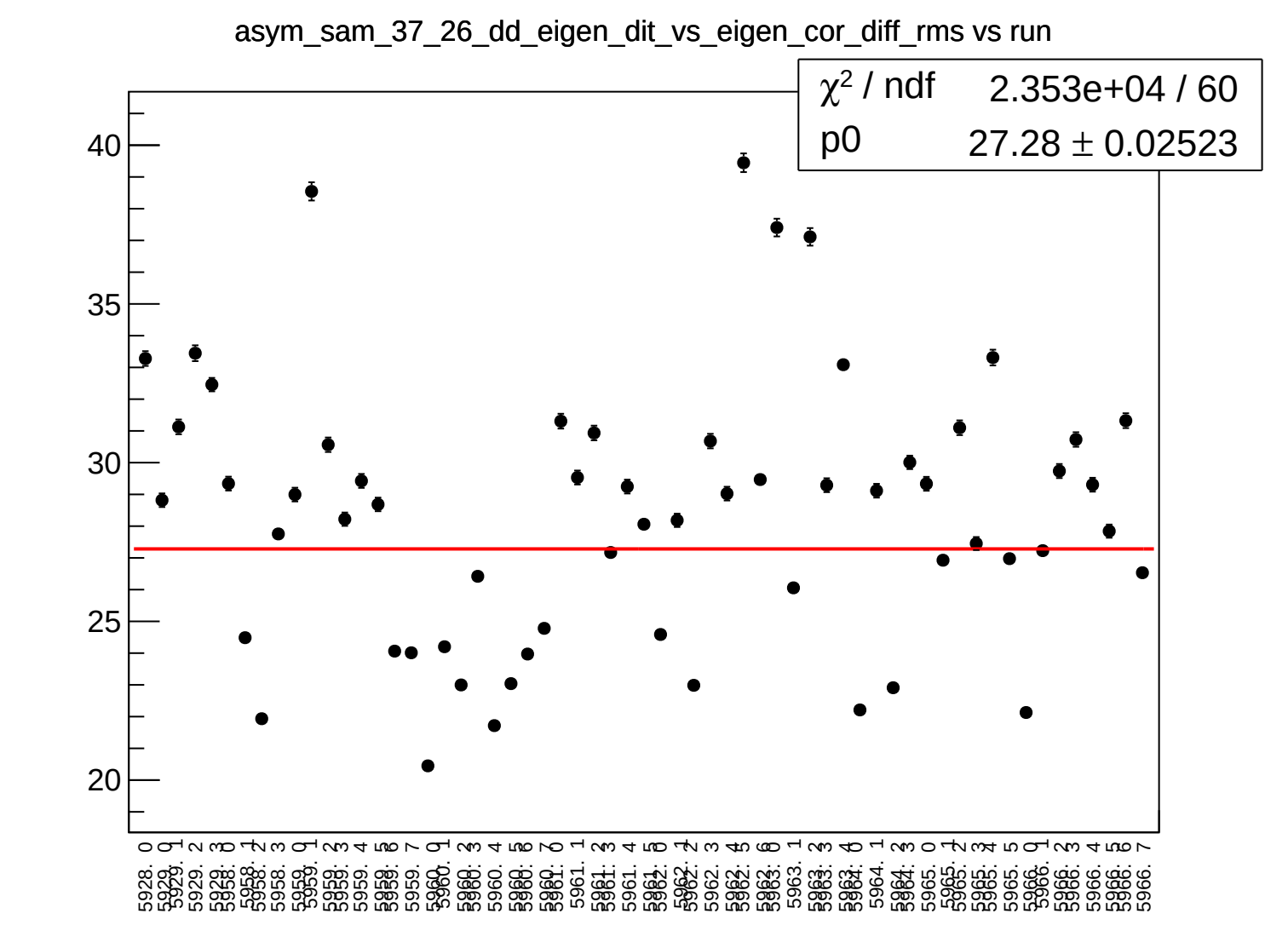

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.353e+04 / 60
p0 27.28 ± 0.02523
40
35
30
25
20

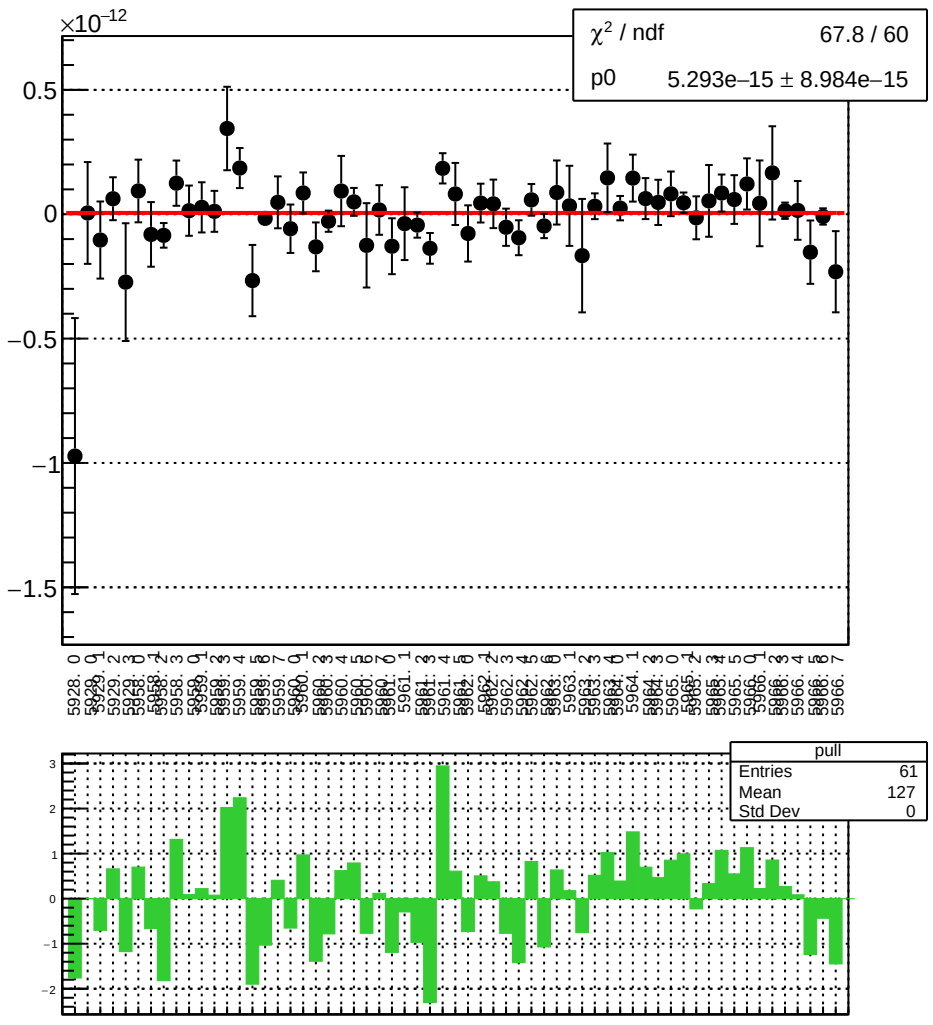
asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

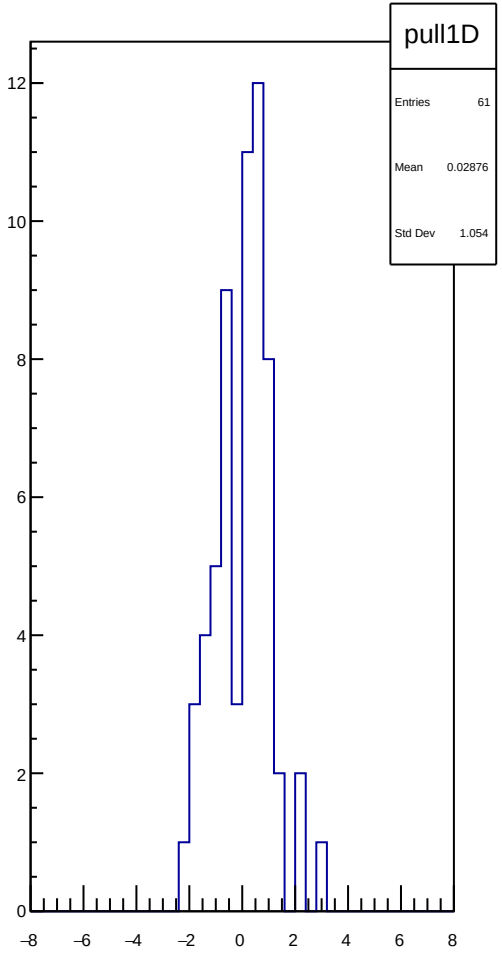


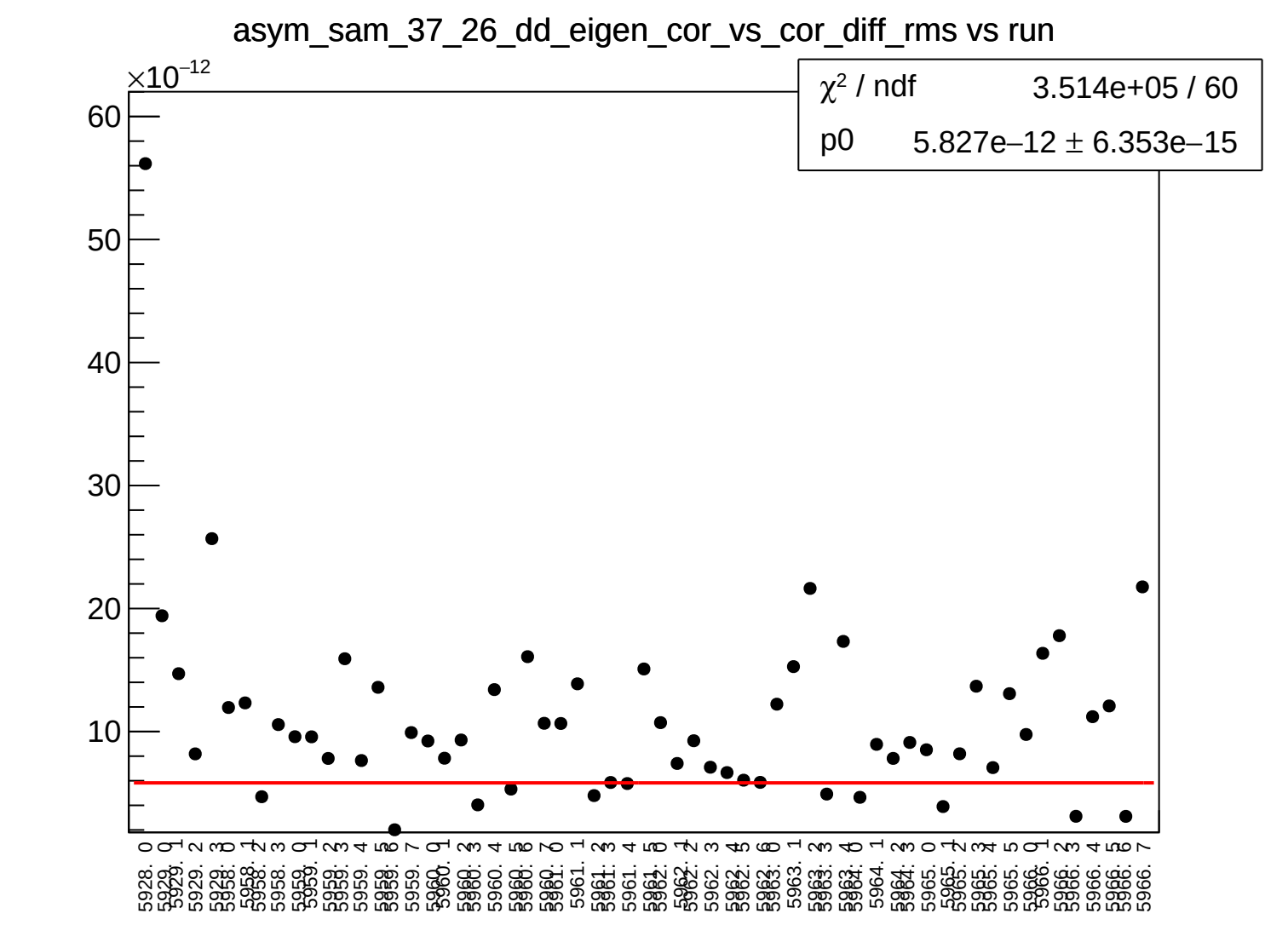


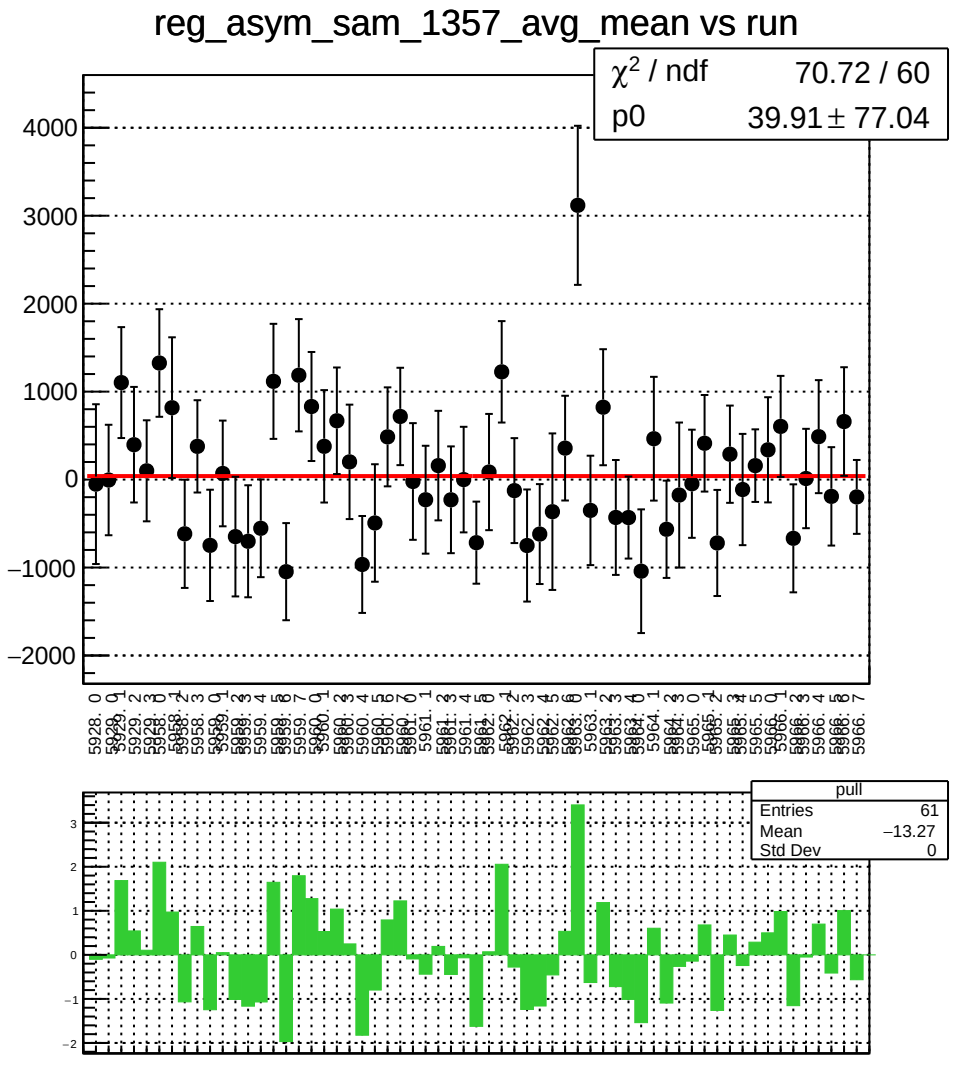


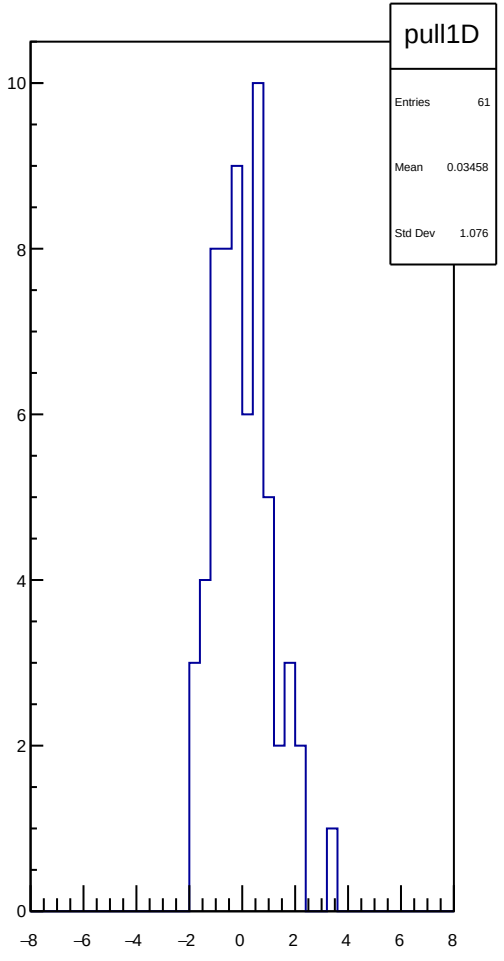

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.353e+04 / 60
p0 27.28 ± 0.02523
40
35
30
25
20

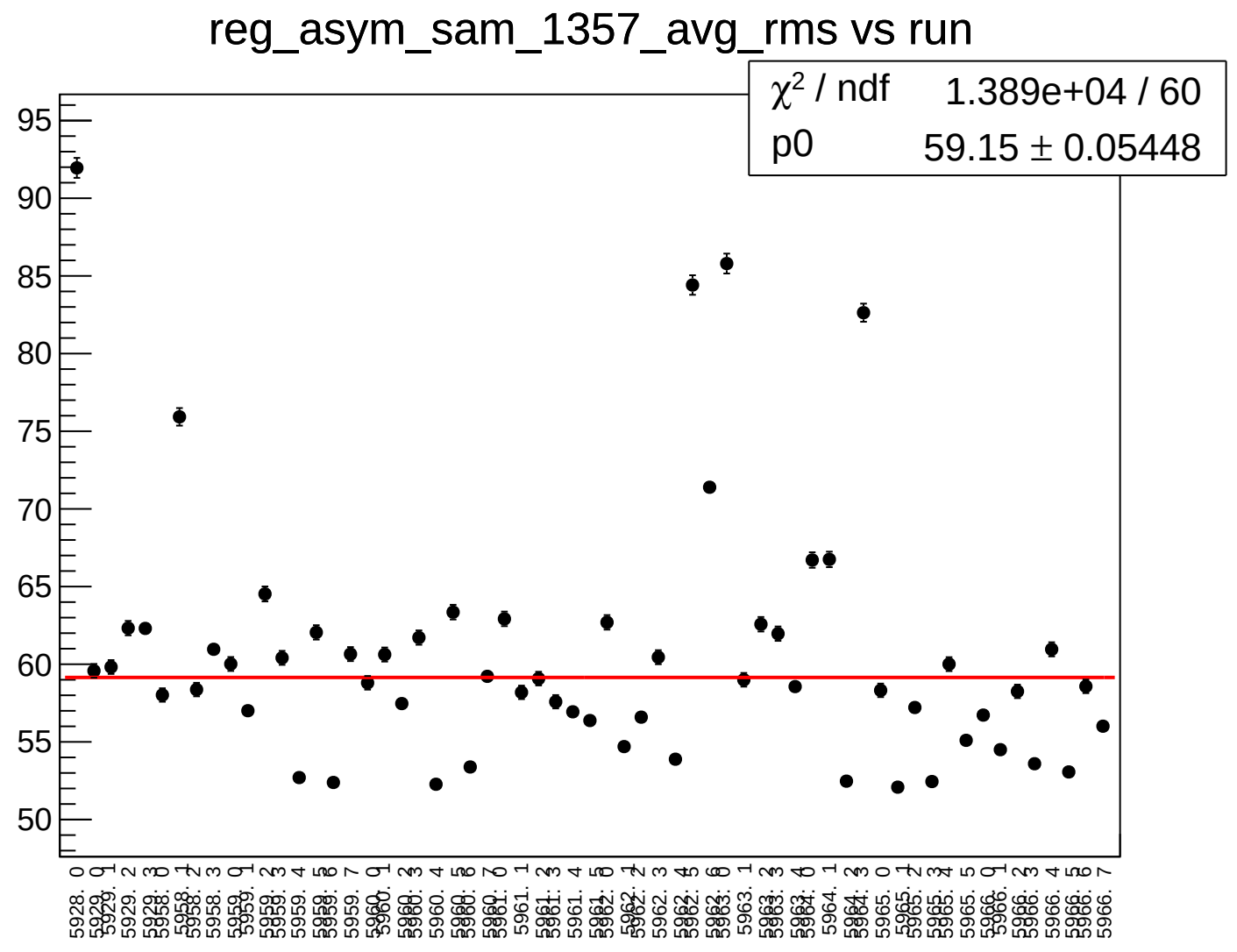

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.8 / 60
p0 5.293e−15 ± 8.984e−15
0.5
0
−0.5
−1
−1.5
pull
Entries 61
Mean 127
Std Dev 0
3
2
1
0
−1
−2

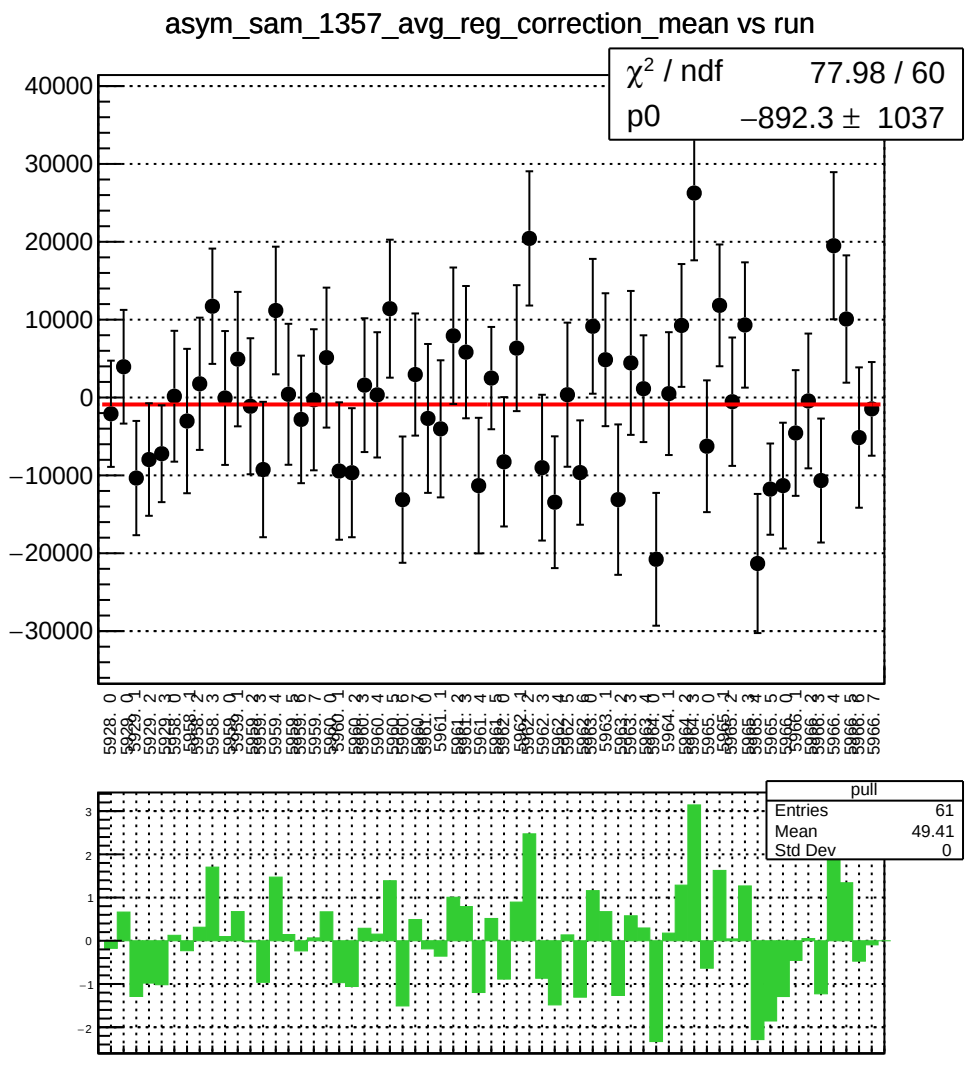

pull1D
Entries 61
Mean 0.02876
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

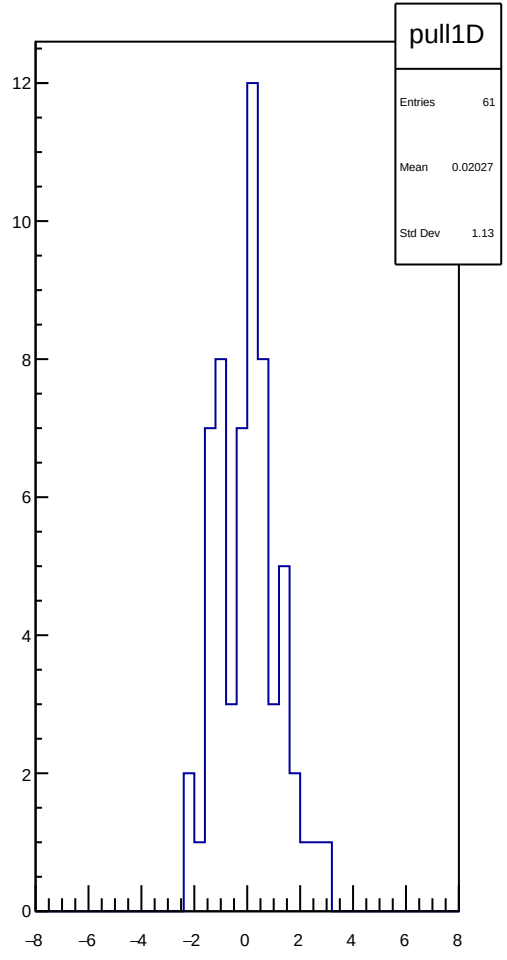

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.514e+05 / 60
p0 5.827e−12 ± 6.353e−15
60
50
40
30
20
10

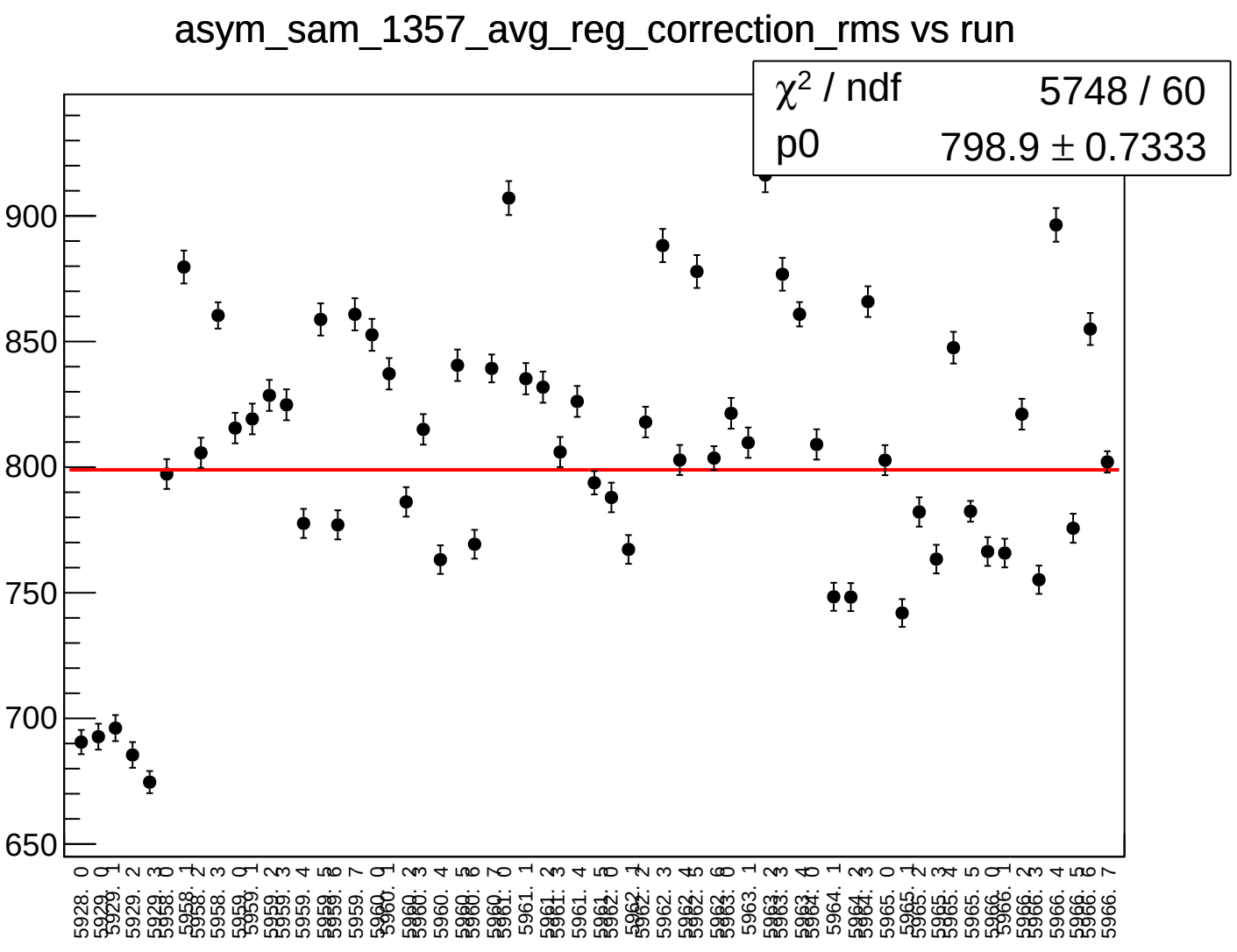

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 70.72 / 60
p0 39.91 ± 77.04
pull
Entries 61
Mean −13.27
Std Dev 0

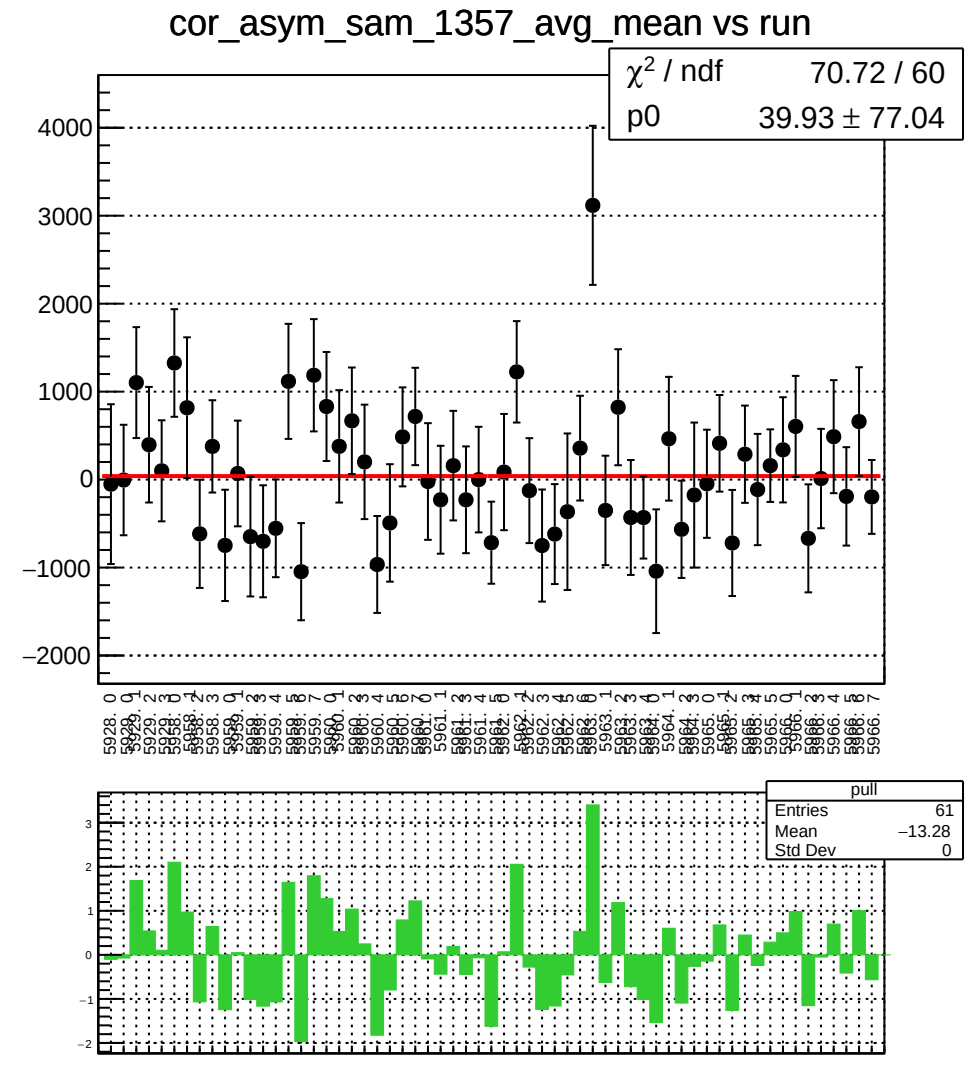

pull1D
Entries 61
Mean 0.03458
Std Dev 1.076

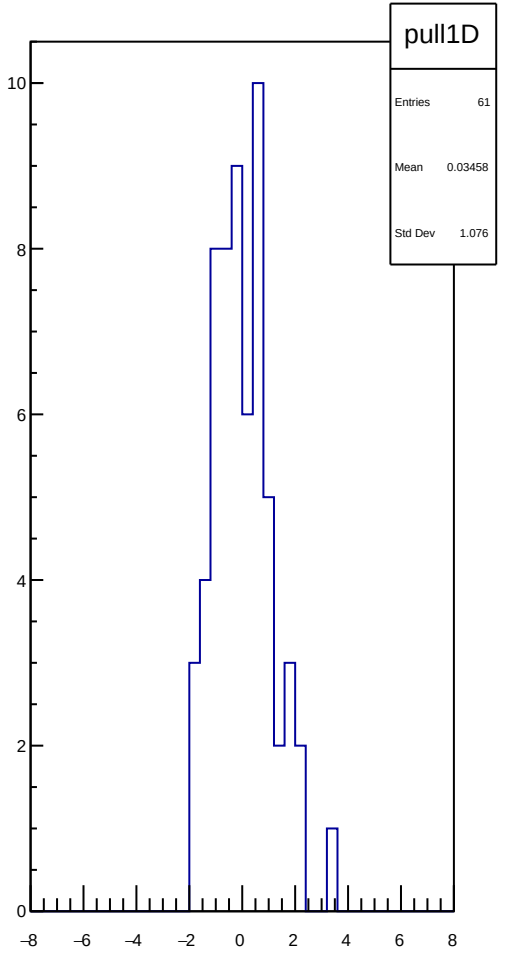

reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.389e+04 / 60
p0 59.15 ± 0.05448
95
90
85
80
75
70
65
60
55
50

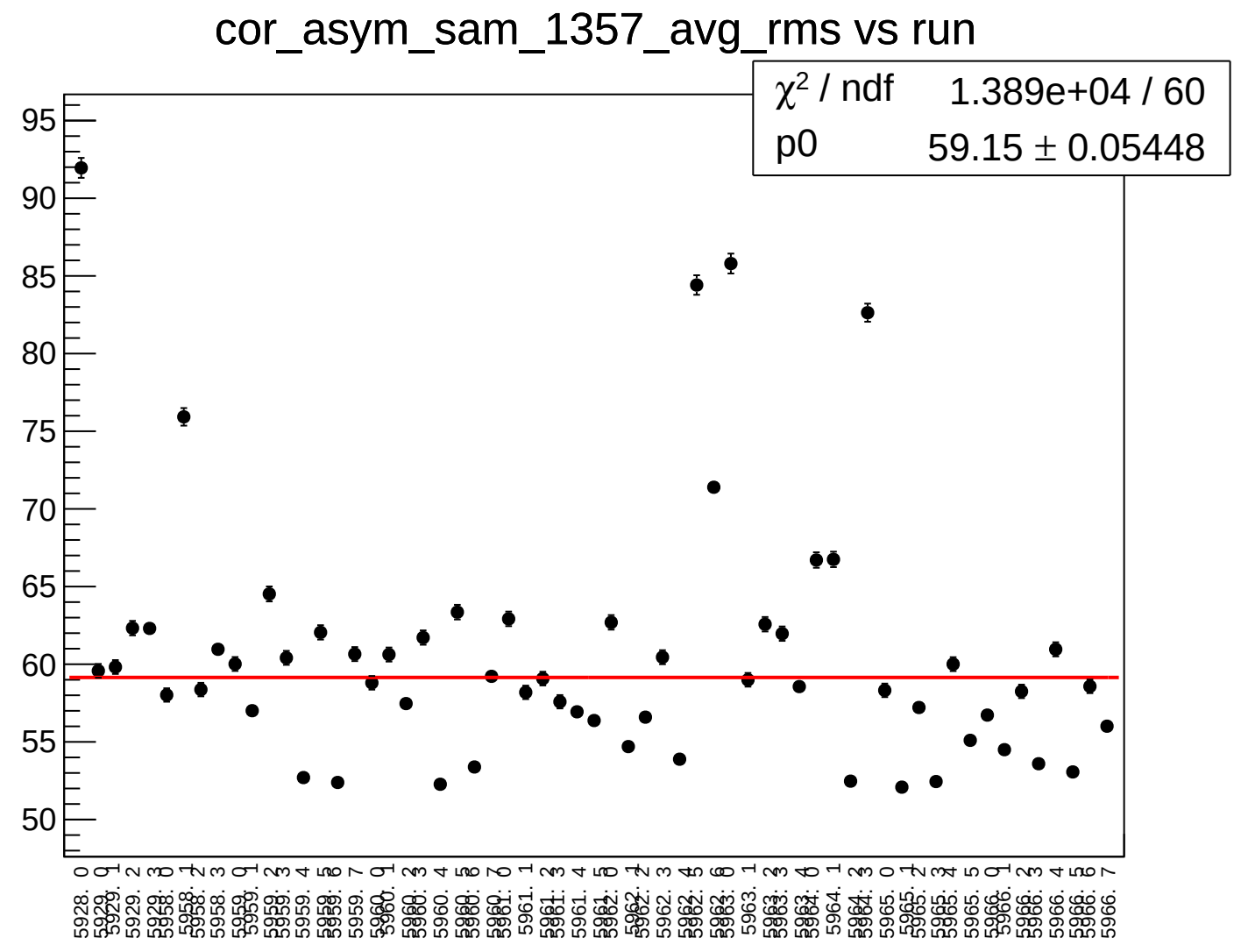

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 77.98 / 60
p0 −892.3 ± 1037
pull
Entries 61
Mean 49.41
Std Dev 0

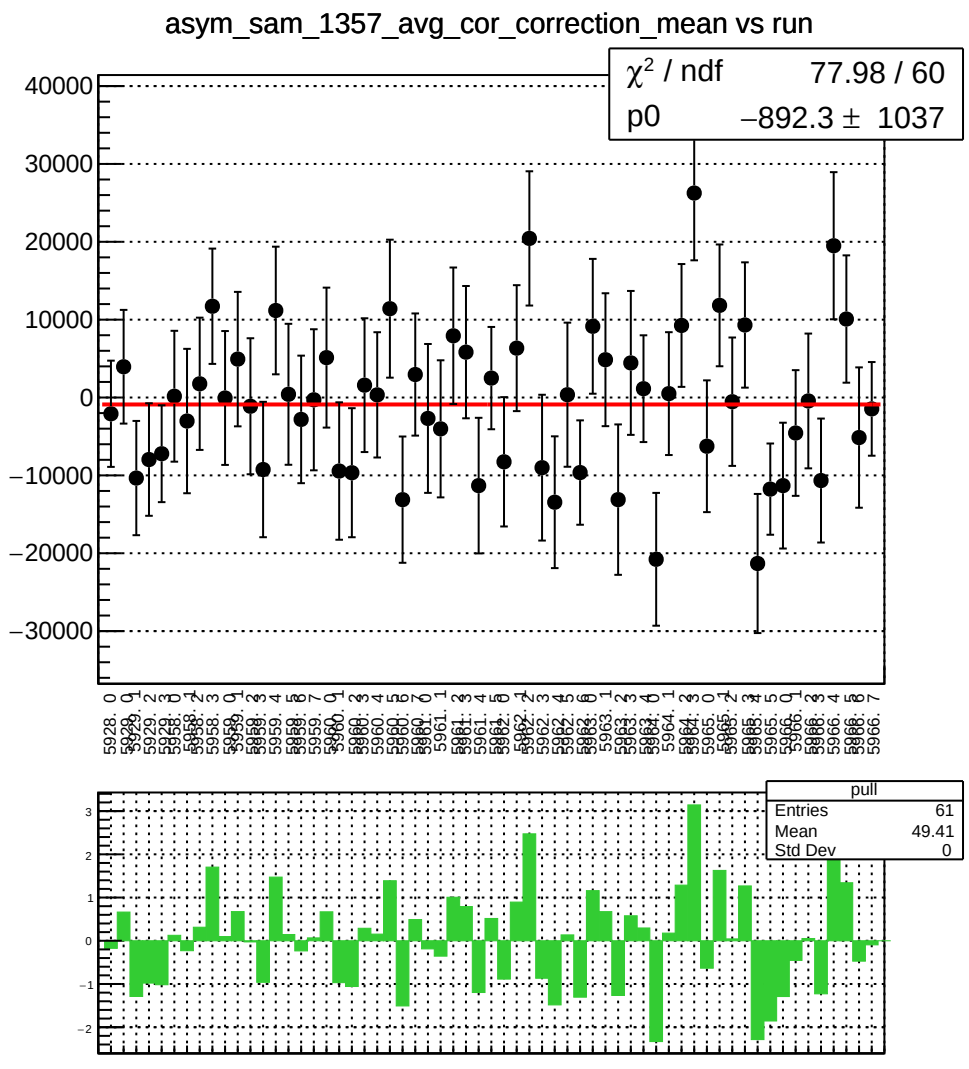

pull1D
Entries 61
Mean 0.02027
Std Dev 1.13

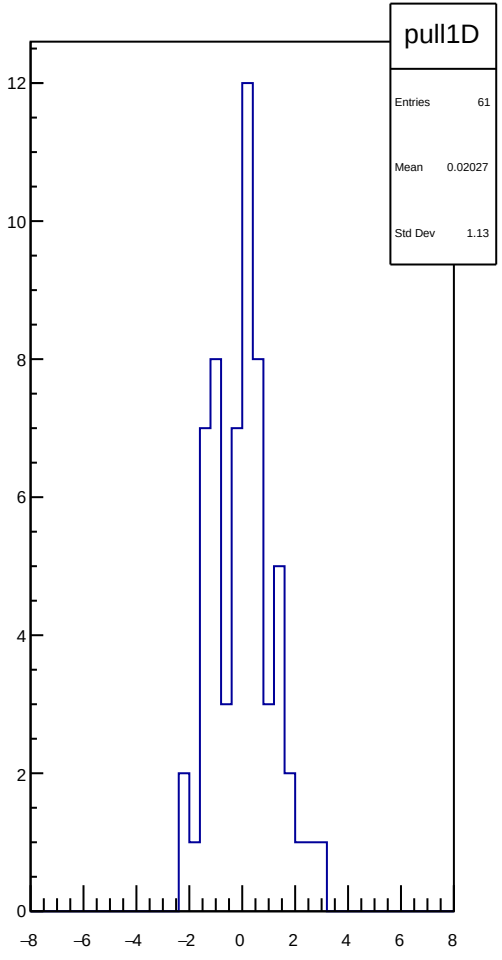

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 5748 / 60
p0 798.9 ± 0.7333
900
850
800
750
700
650

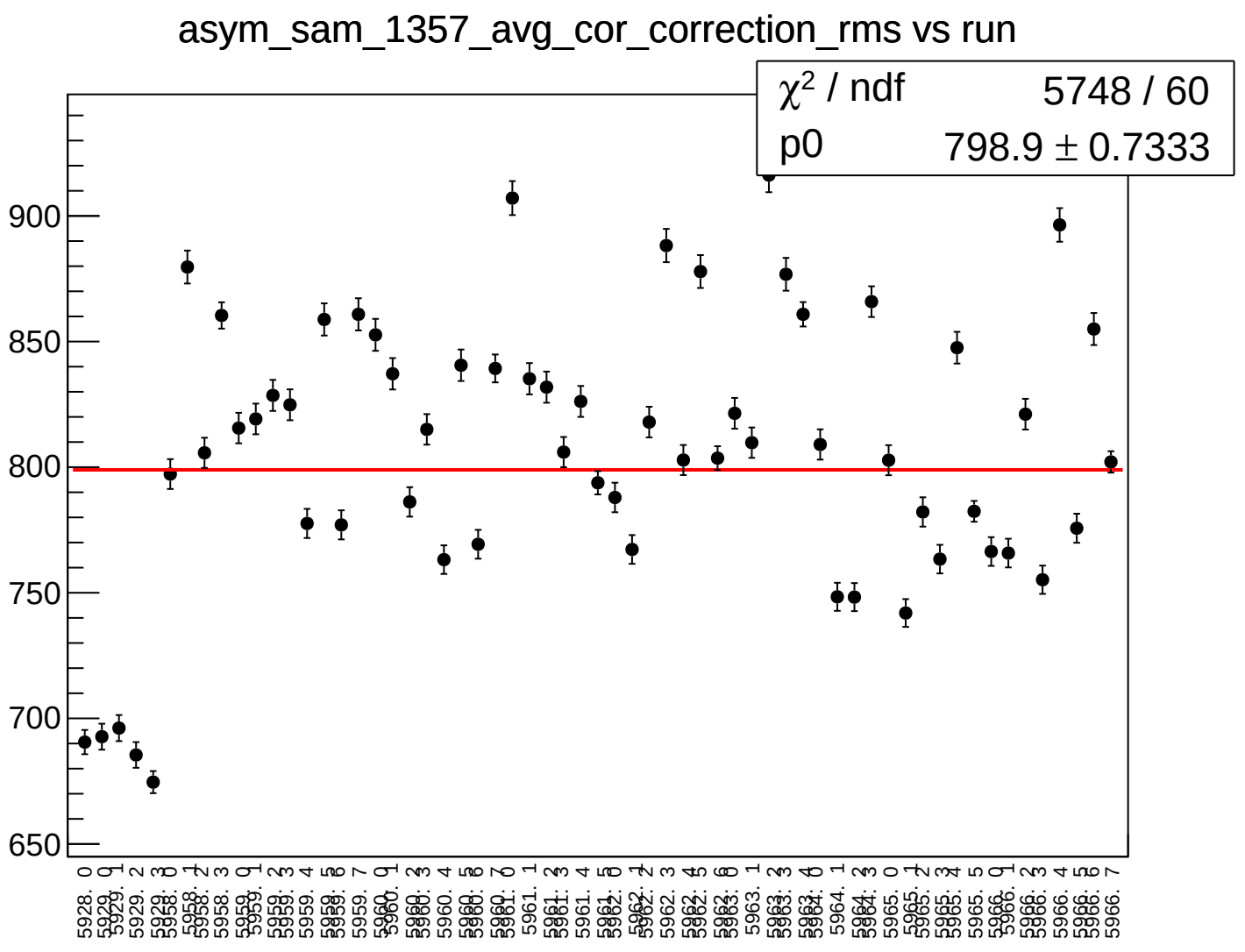

cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 70.72 / 60
p0 39.93 ± 77.04
pull
Entries 61
Mean −13.28
Std Dev 0

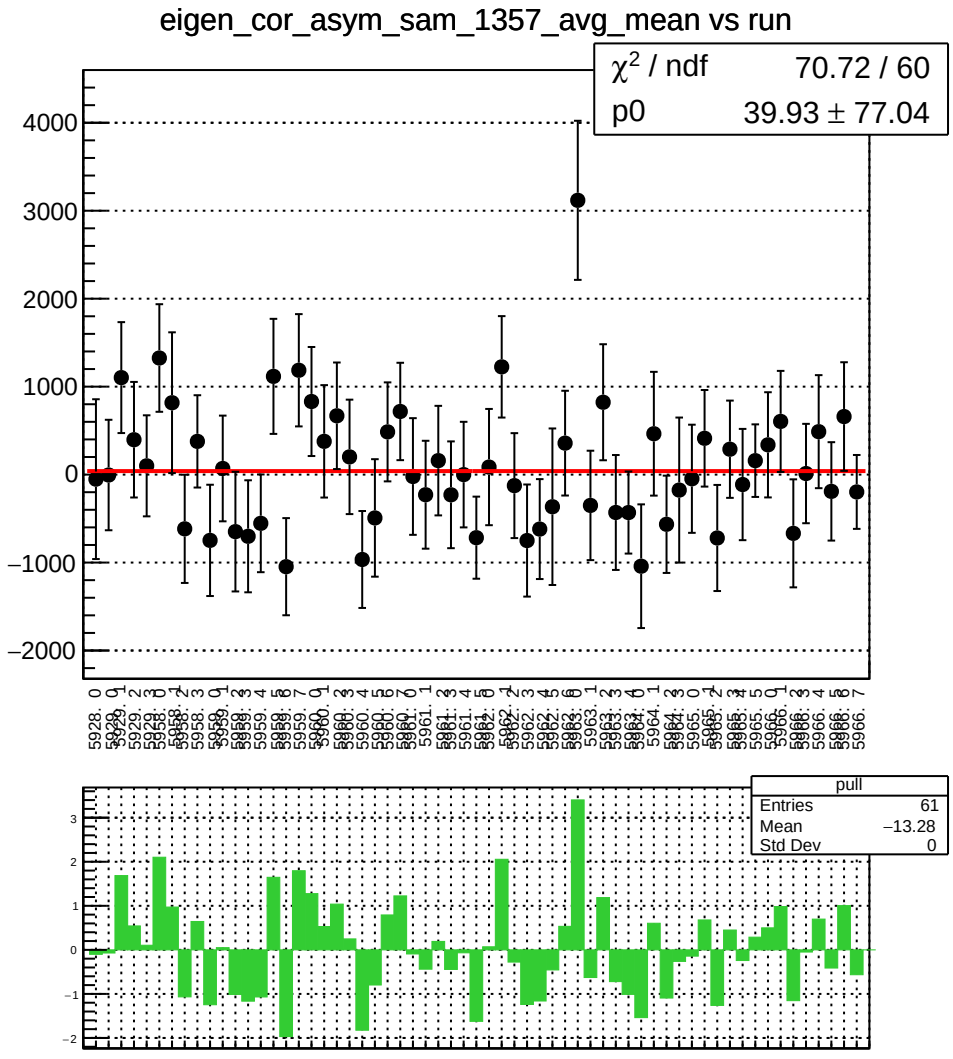

pull1D
Entries 61
Mean 0.03458
Std Dev 1.076

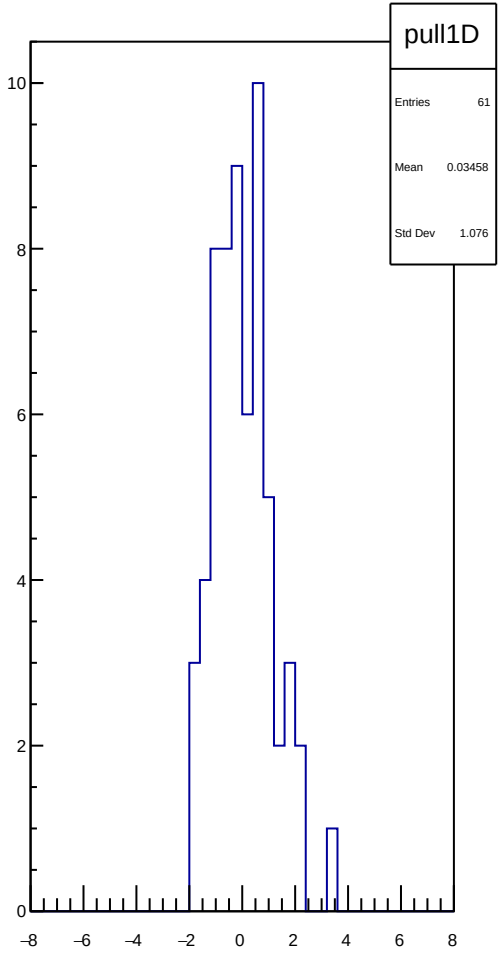

cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.389e+04 / 60
p0 59.15 ± 0.05448
95
90
85
80
75
70
65
60
55
50

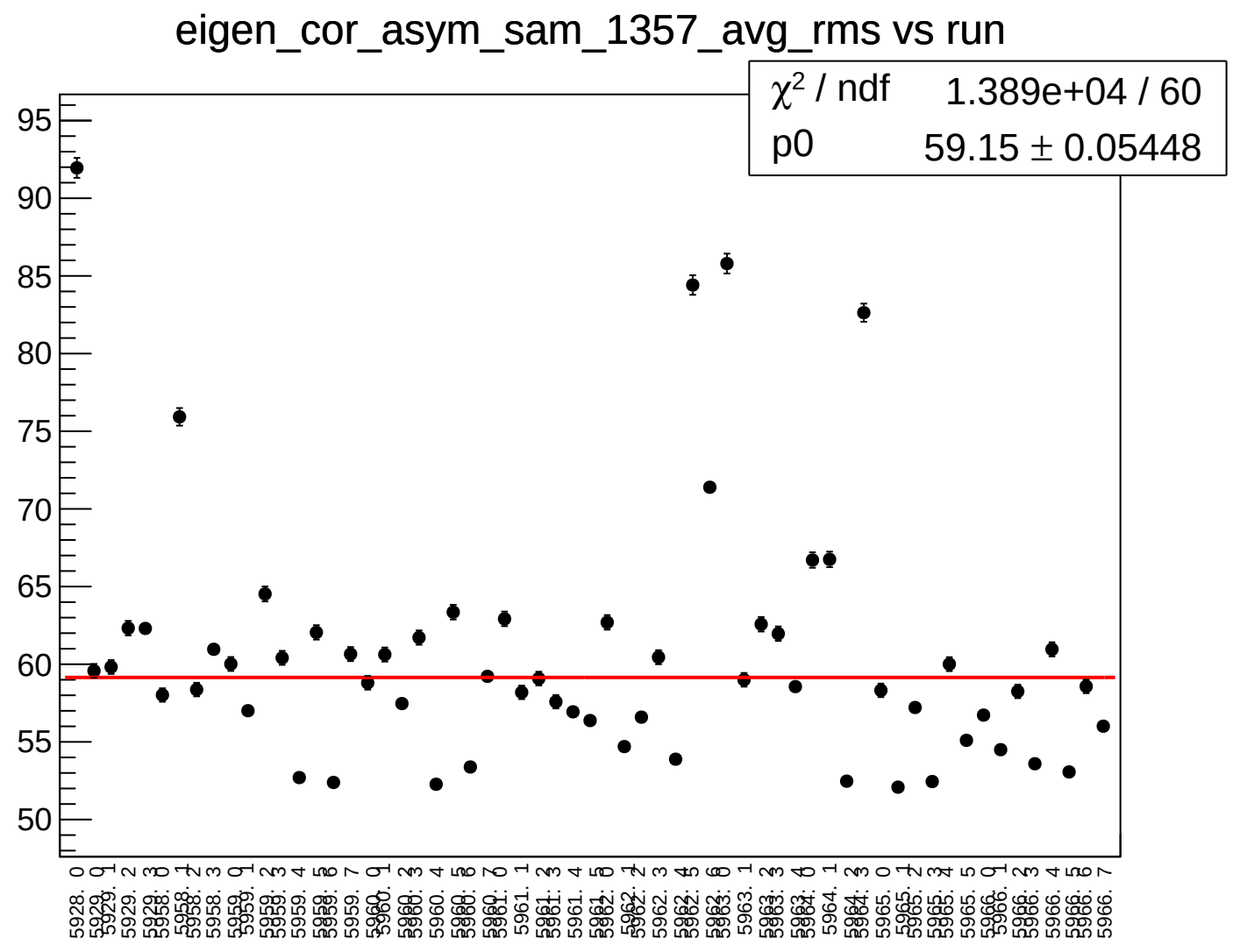

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 77.98 / 60
p0 −892.3 ± 1037
pull
Entries 61
Mean 49.41
Std Dev 0

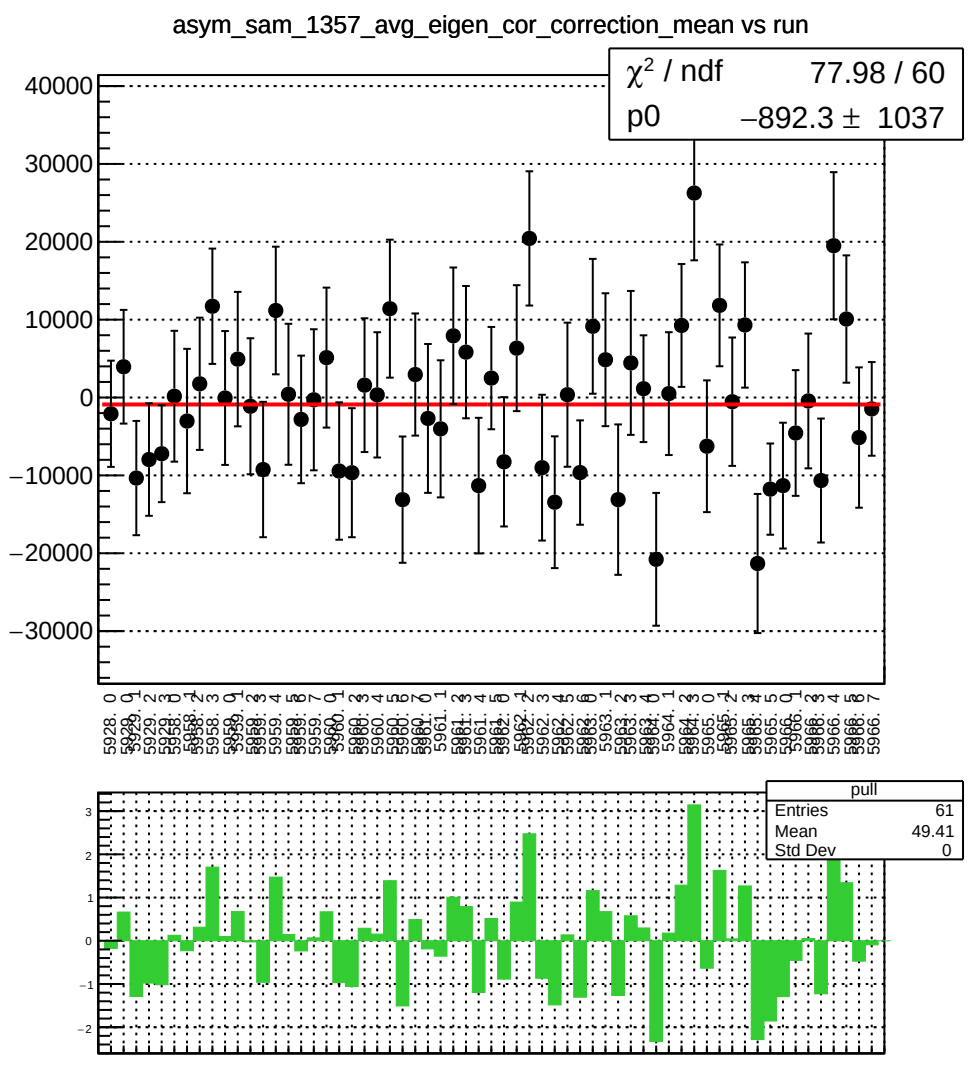

pull1D
Entries 61
Mean 0.02027
Std Dev 1.13

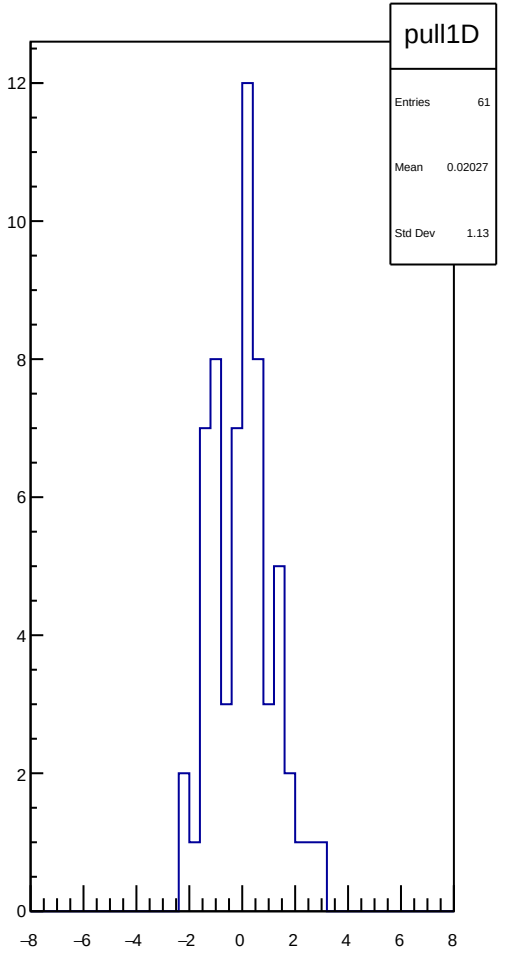

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 5748 / 60
p0 798.9 ± 0.7333
900
850
800
750
700
650

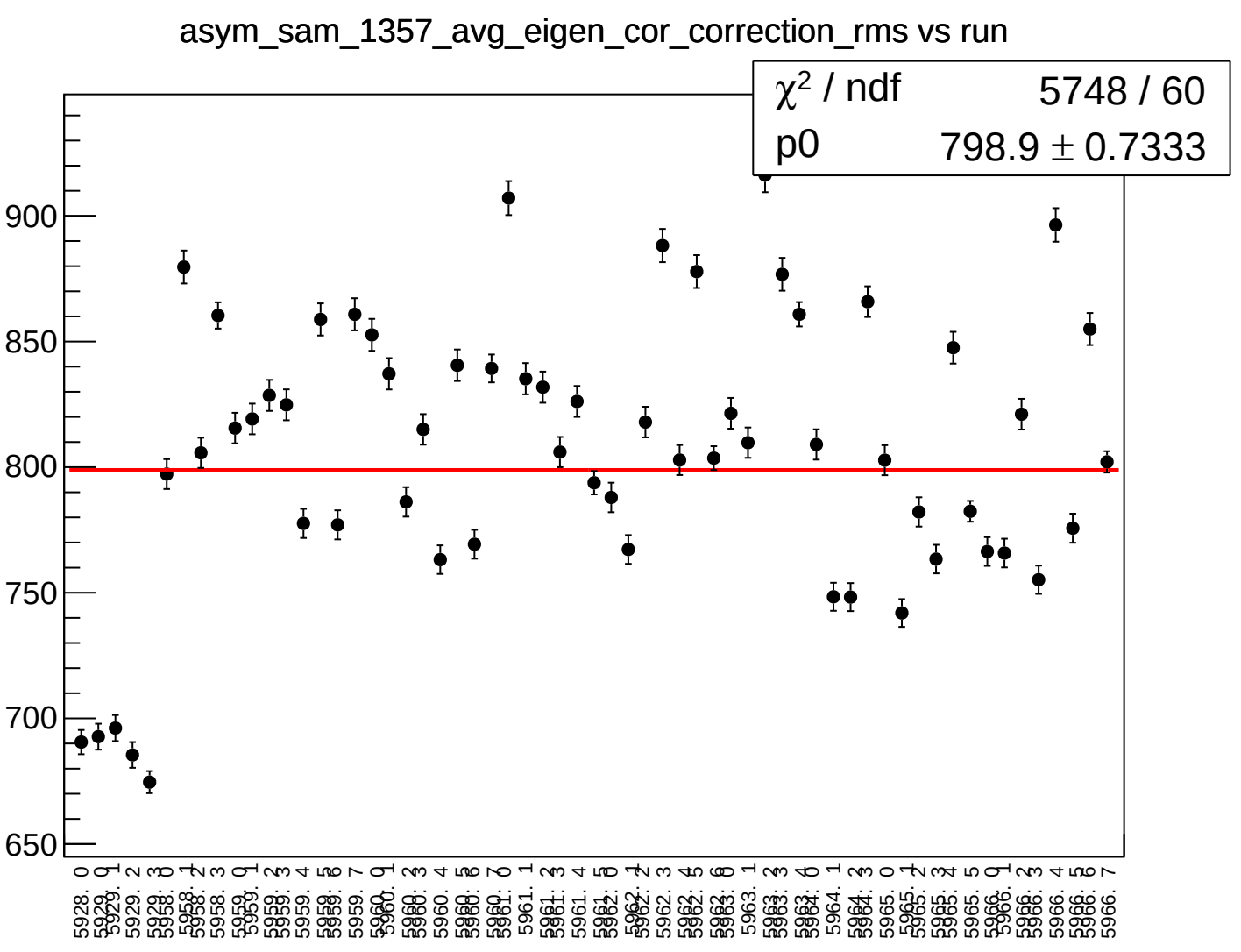

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 70.72 / 60
p0 39.93 ± 77.04
pull
Entries 61
Mean −13.28
Std Dev 0

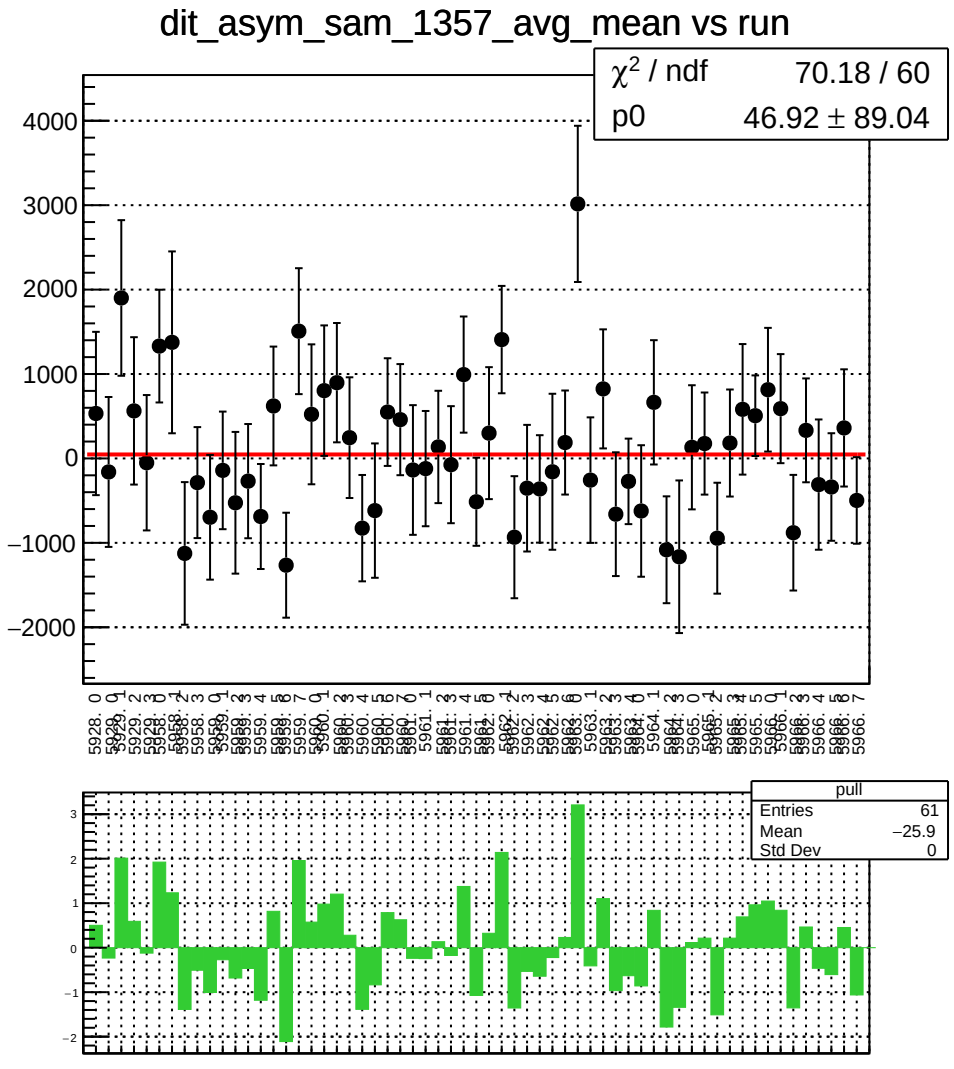

pull1D
Entries 61
Mean 0.03458
Std Dev 1.076

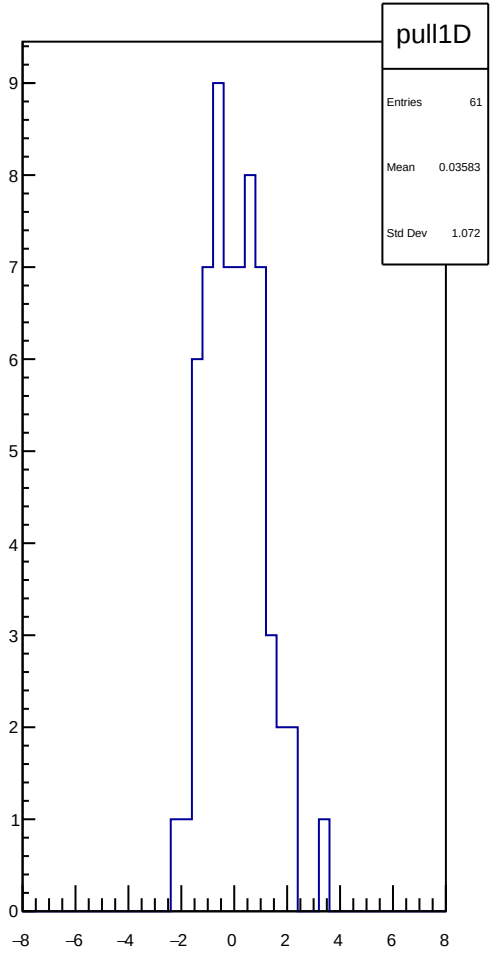

eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.389e+04 / 60
p0 59.15 ± 0.05448
95
90
85
80
75
70
65
60
55
50

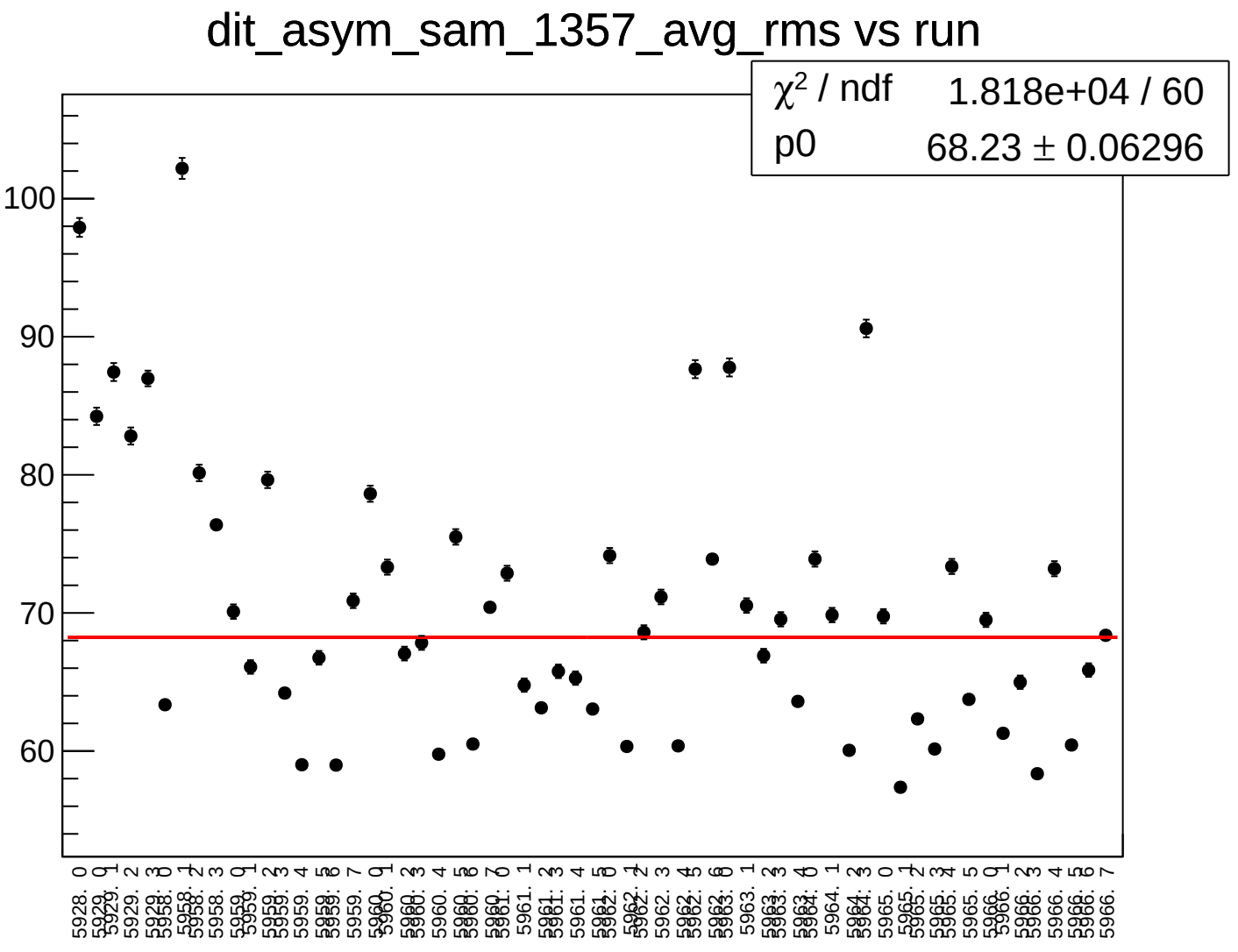

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.98 / 60
p0 −892.3 ± 1037
pull
Entries 61
Mean 49.41
Std Dev 0

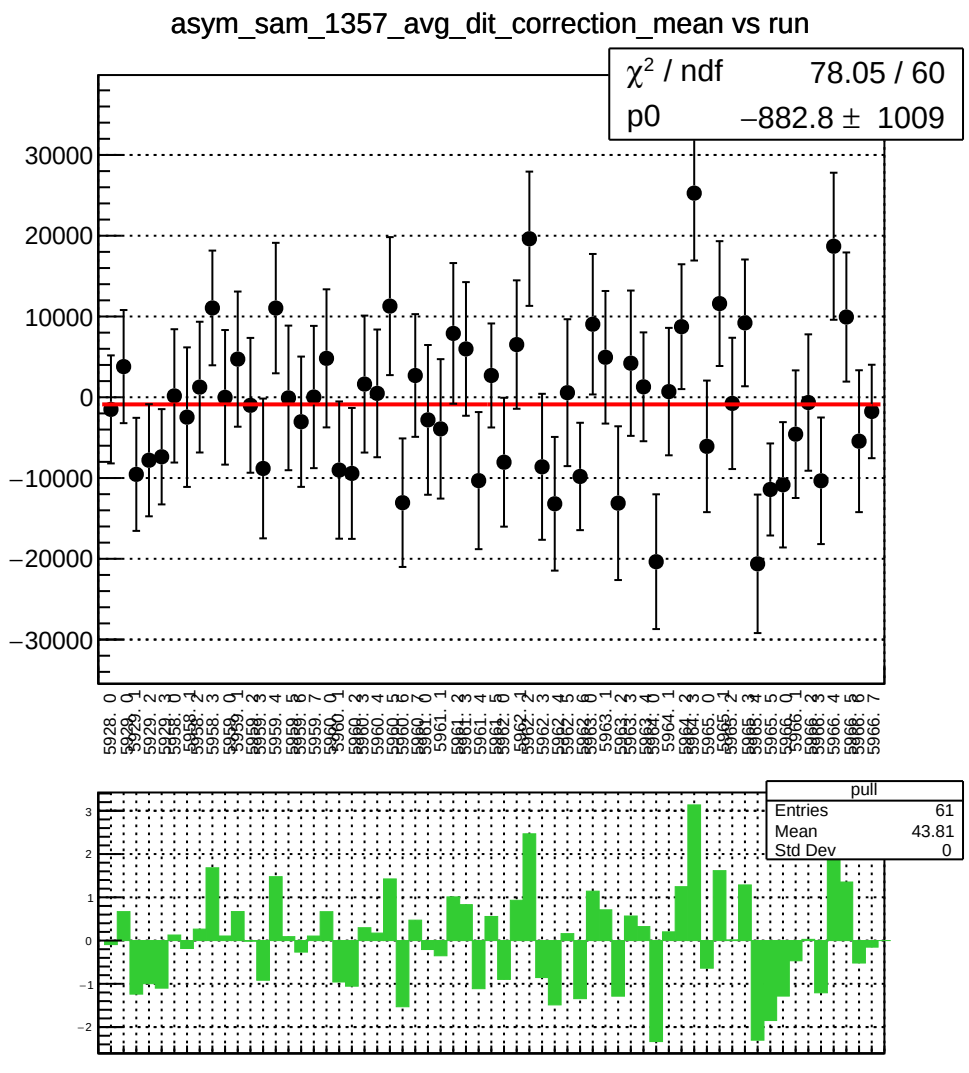

pull1D
Entries 61
Mean 0.02027
Std Dev 1.13

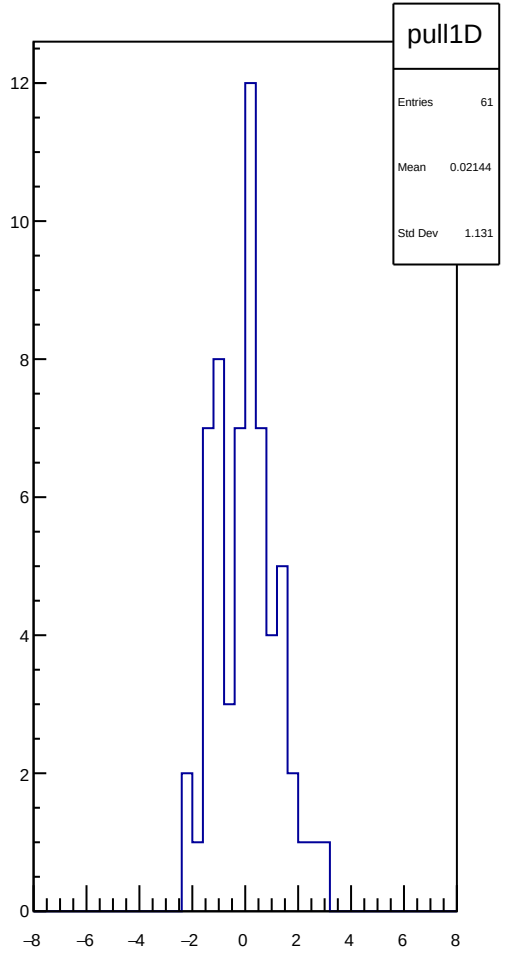

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 5748 / 60
p0 798.9 ± 0.7333
900
850
800
750
700
650

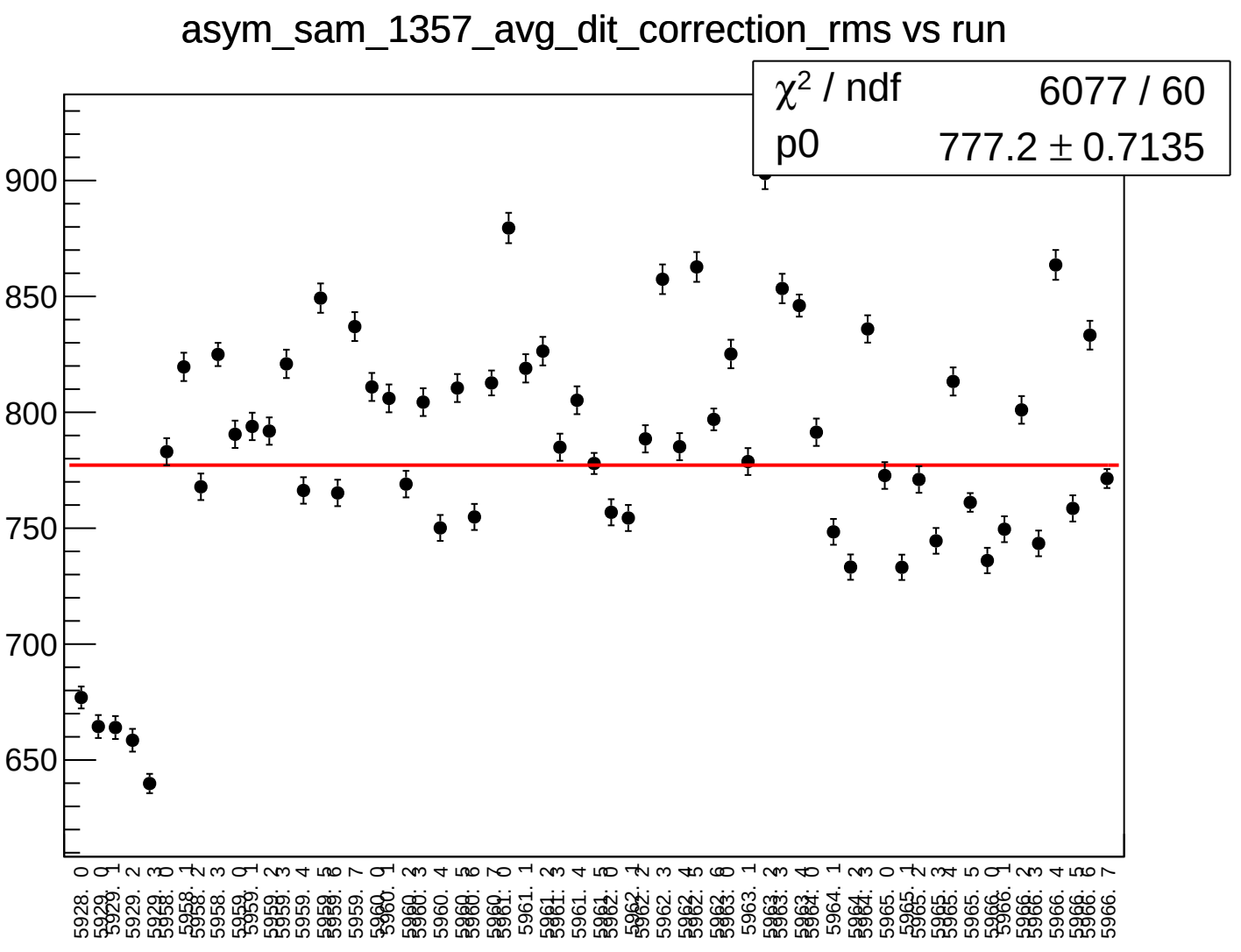

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 70.18 / 60
p0 46.92 ± 89.04
pull
Entries 61
Mean −25.9
Std Dev 0

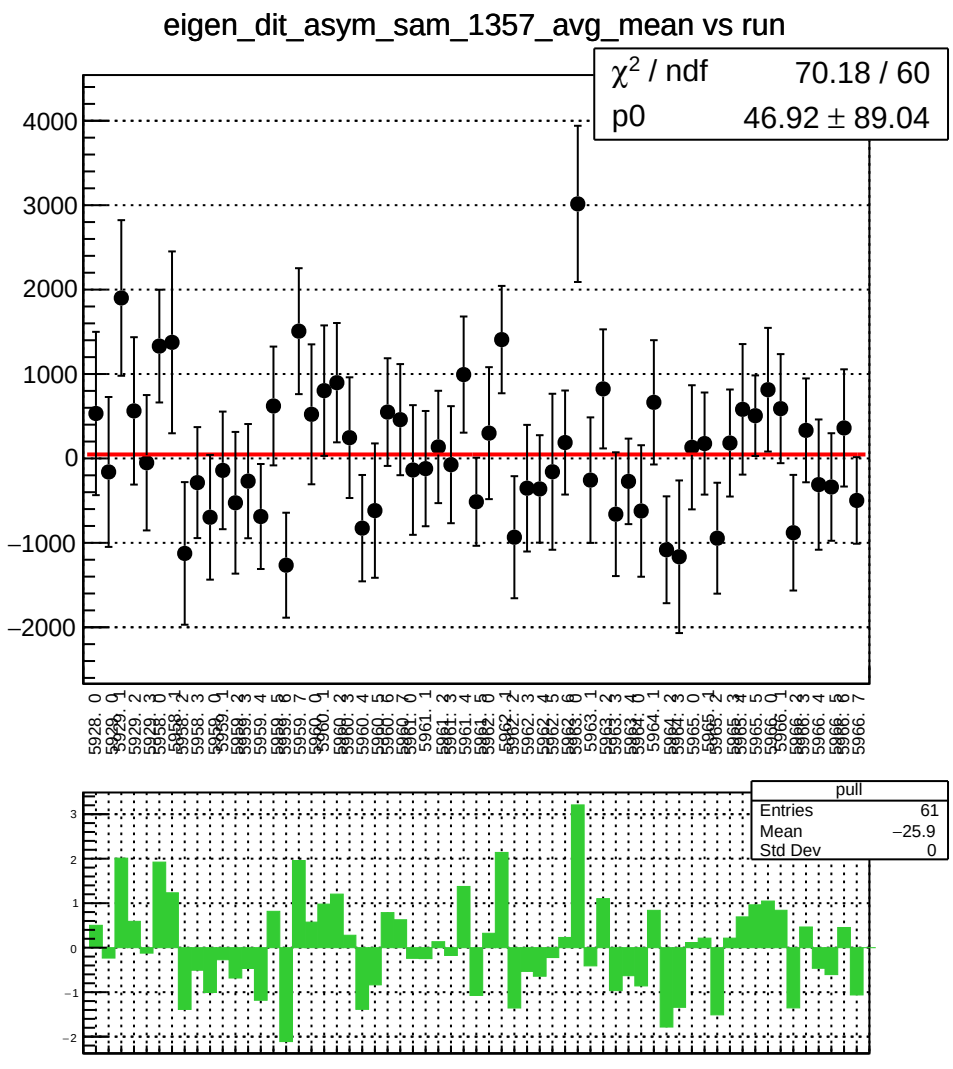

pull1D
Entries 61
Mean 0.03583
Std Dev 1.072

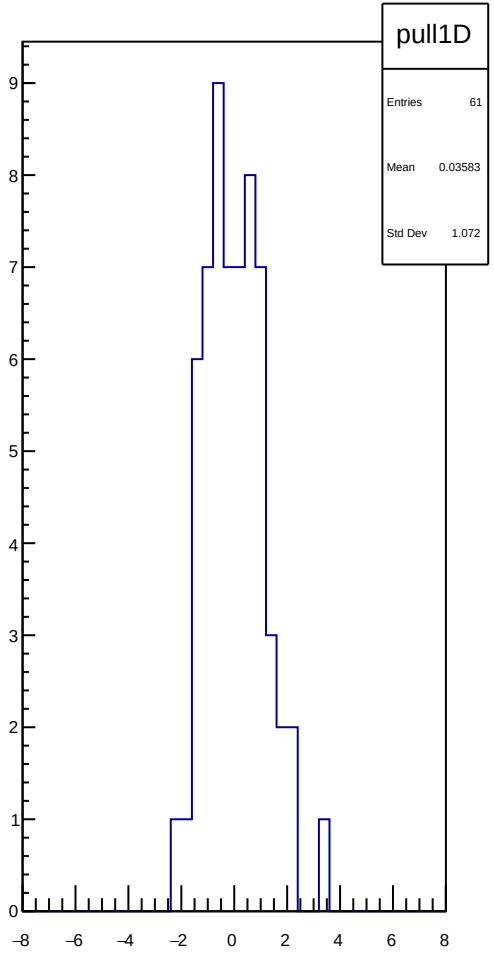

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.818e+04 / 60
p0 68.23 ± 0.06296
100
90
80
70
60

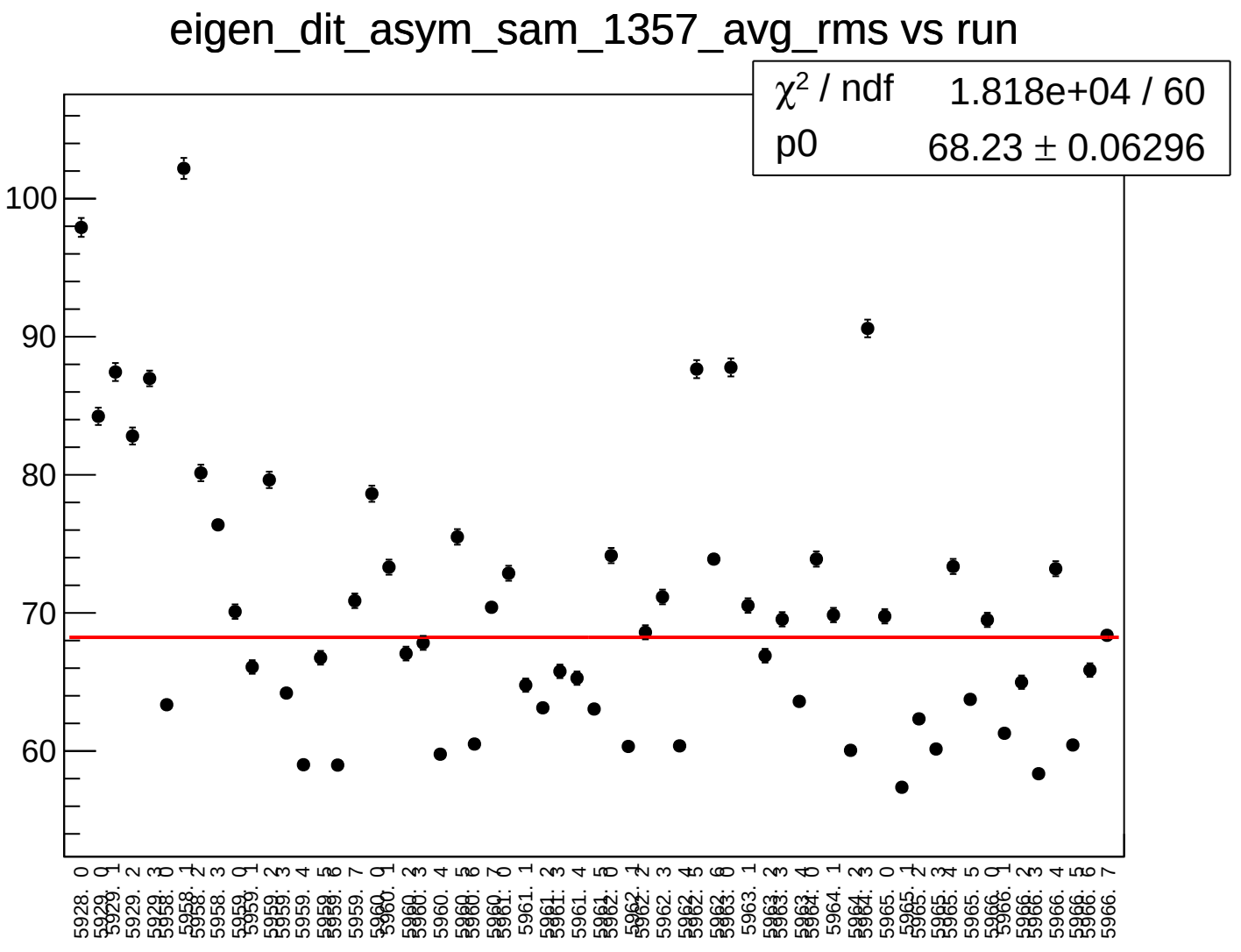

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 78.05 / 60
p0 −882.8 ± 1009
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 43.81
Std Dev 0
3
2
1
0
−1
−2

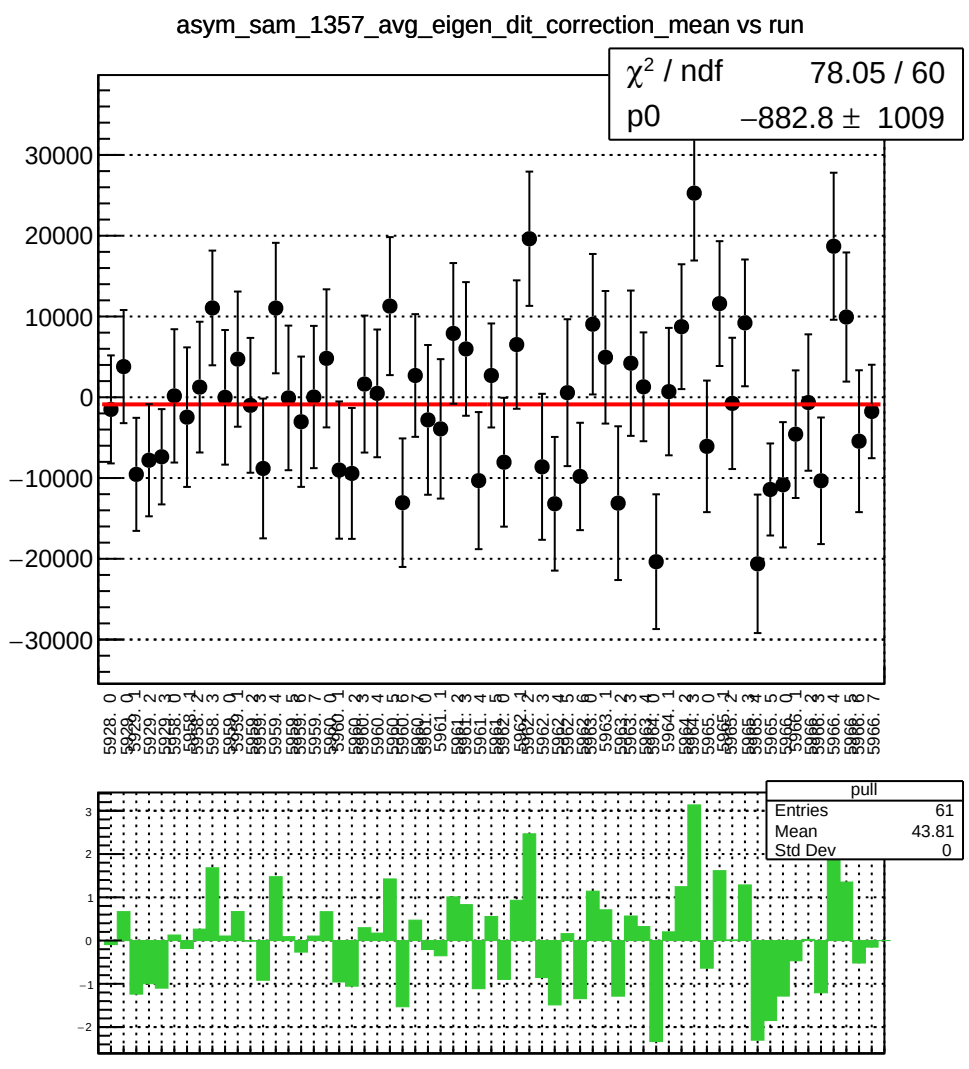

pull1D
Entries 61
Mean 0.02144
Std Dev 1.131
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

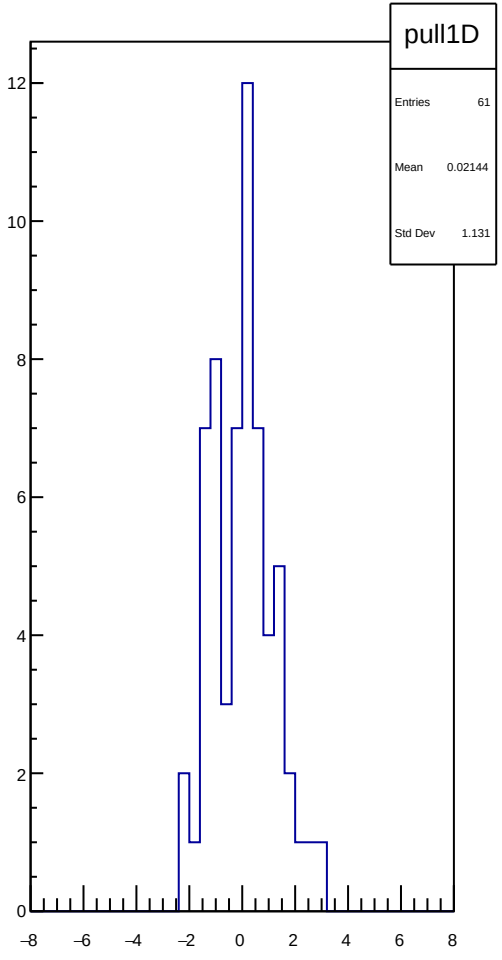

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 6077 / 60
p0 777.2 ± 0.7135
900
850
800
750
700
650

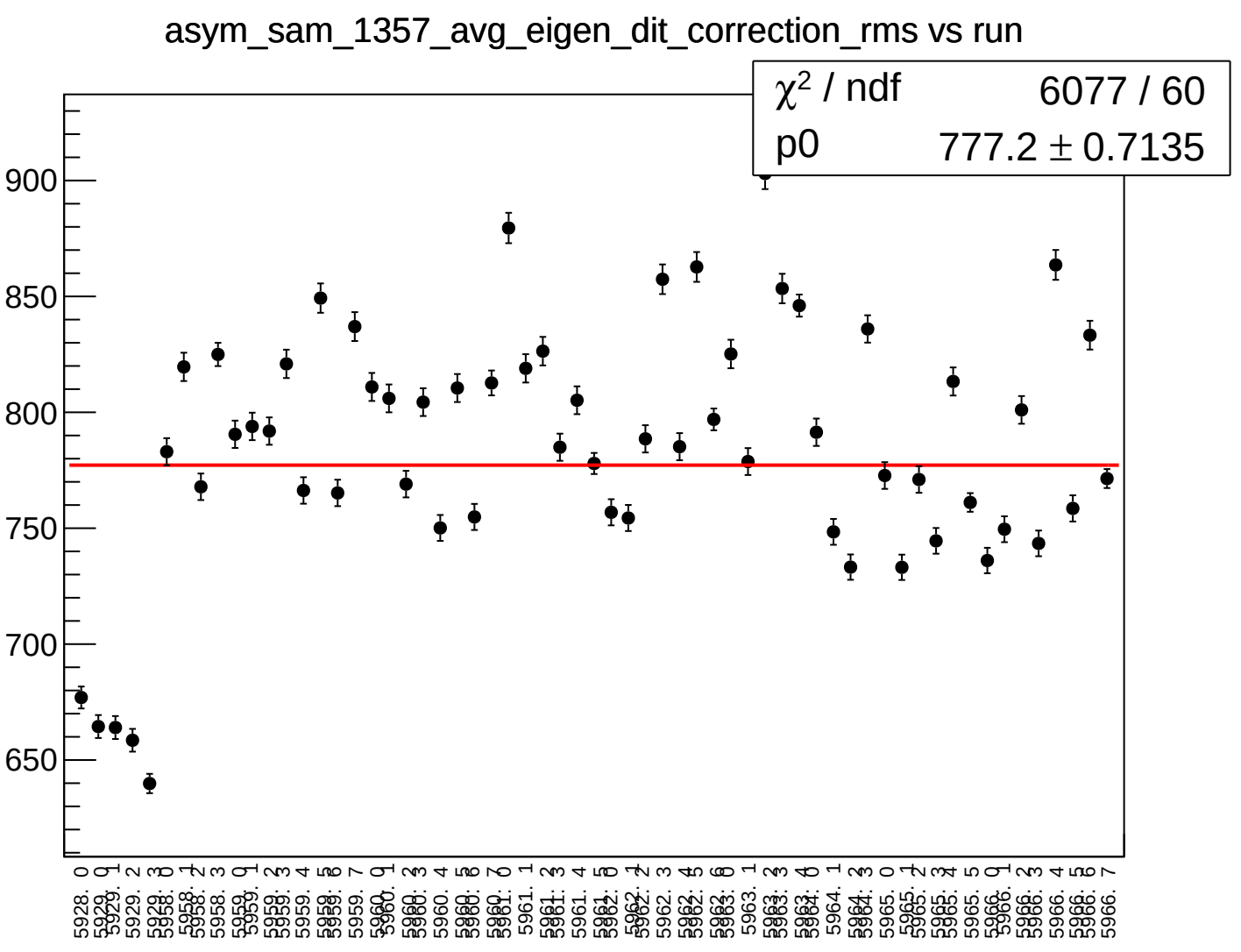

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 70.18 / 60
p0 46.92 ± 89.04
pull
Entries 61
Mean −25.9
Std Dev 0

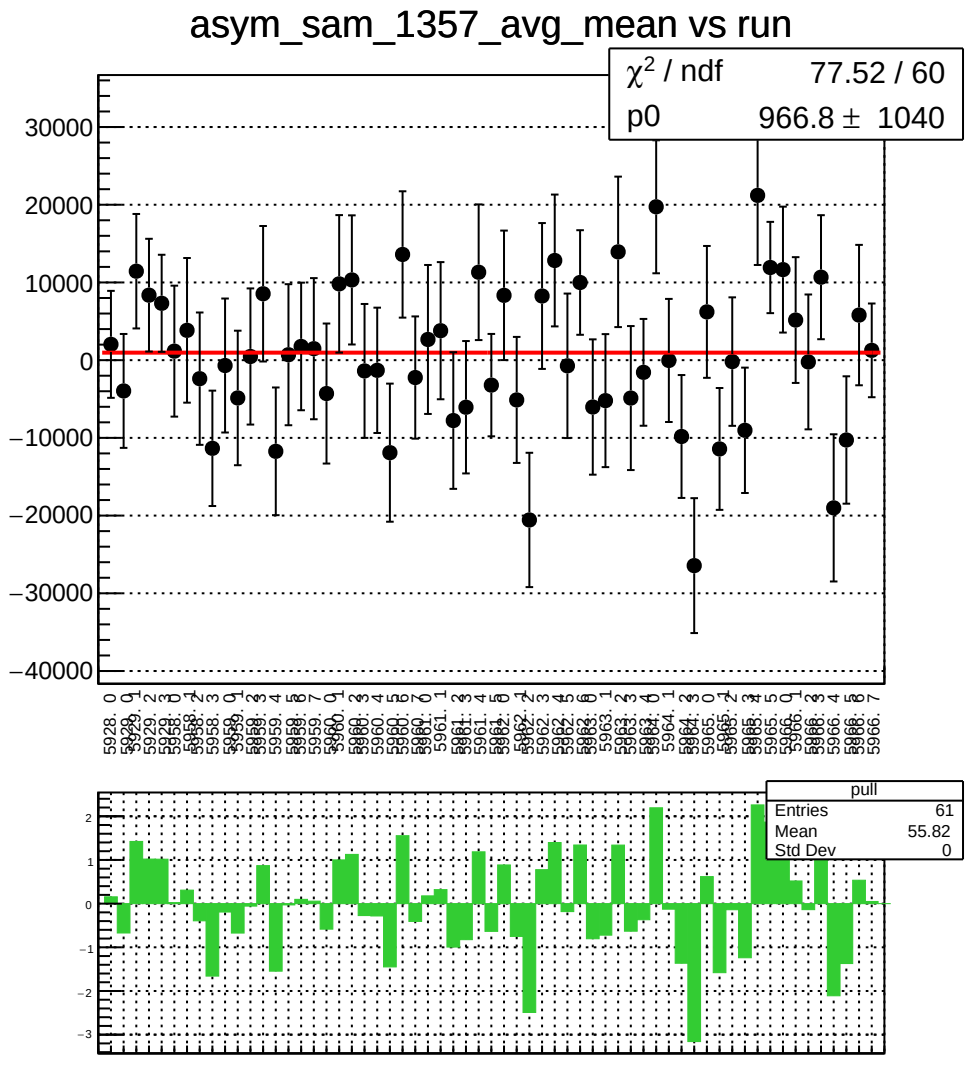

pull1D
Entries 61
Mean 0.03583
Std Dev 1.072

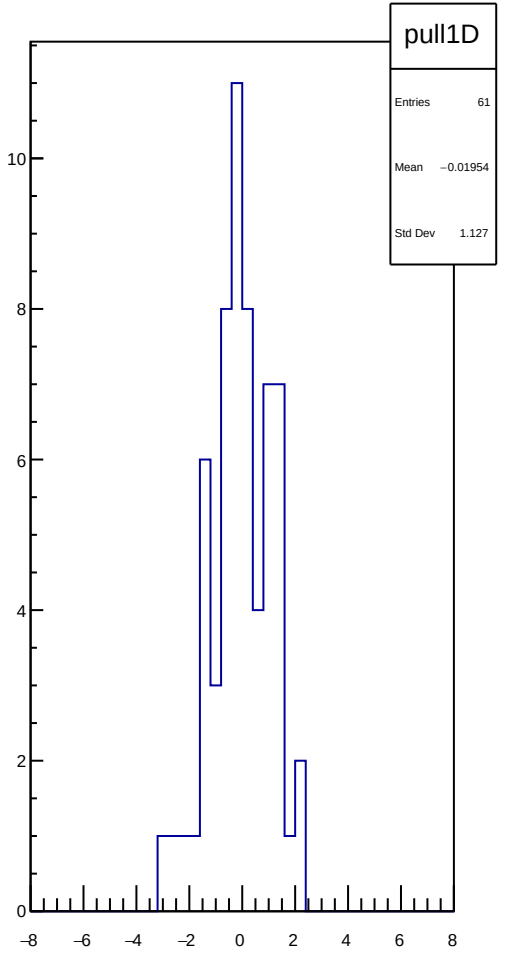

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.818e+04 / 60
p0 68.23 ± 0.06296
100
90
80
70
60

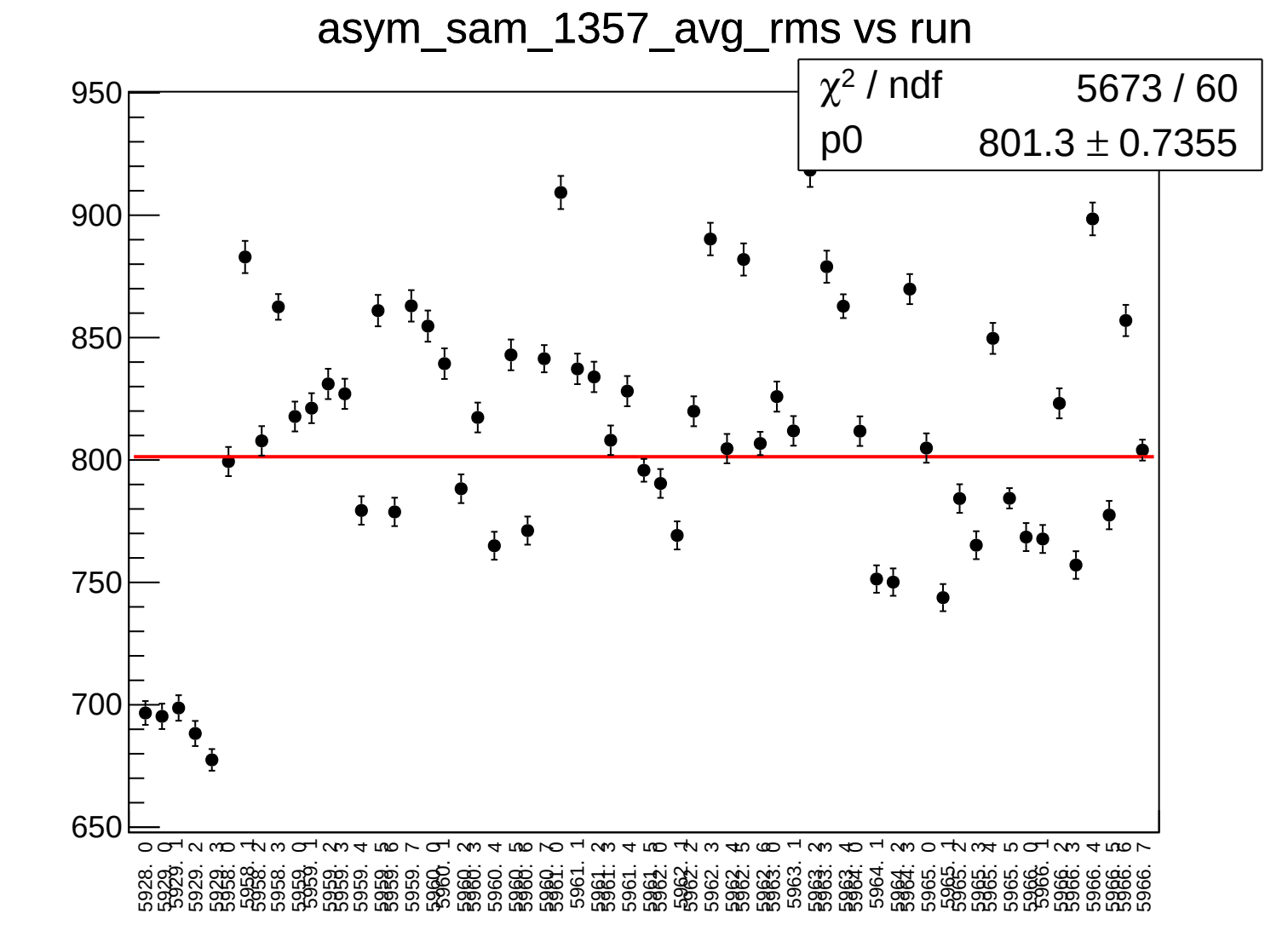

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.05 / 60
p0 −882.8 ± 1009
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 61
Mean 43.81
Std Dev 0
3
2
1
0
−1
−2

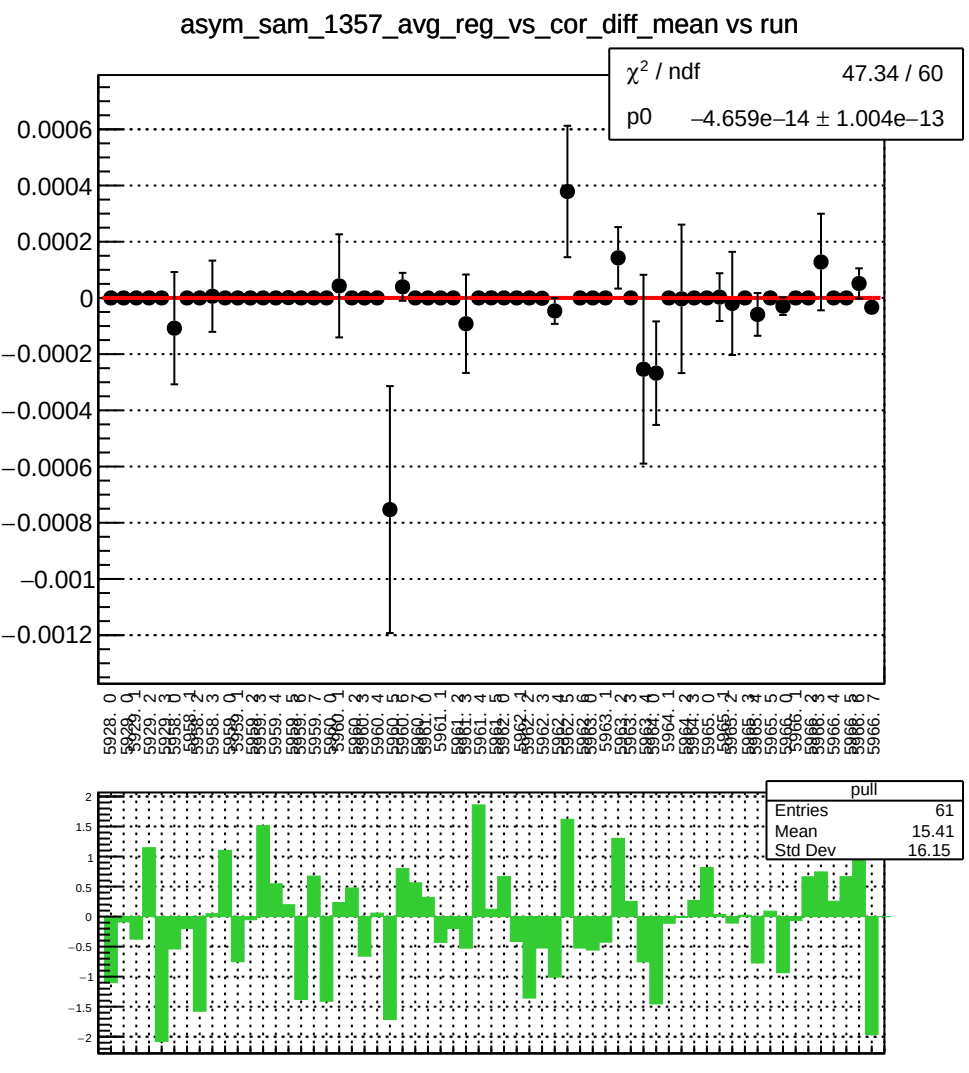

pull1D
Entries 61
Mean 0.02144
Std Dev 1.131
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

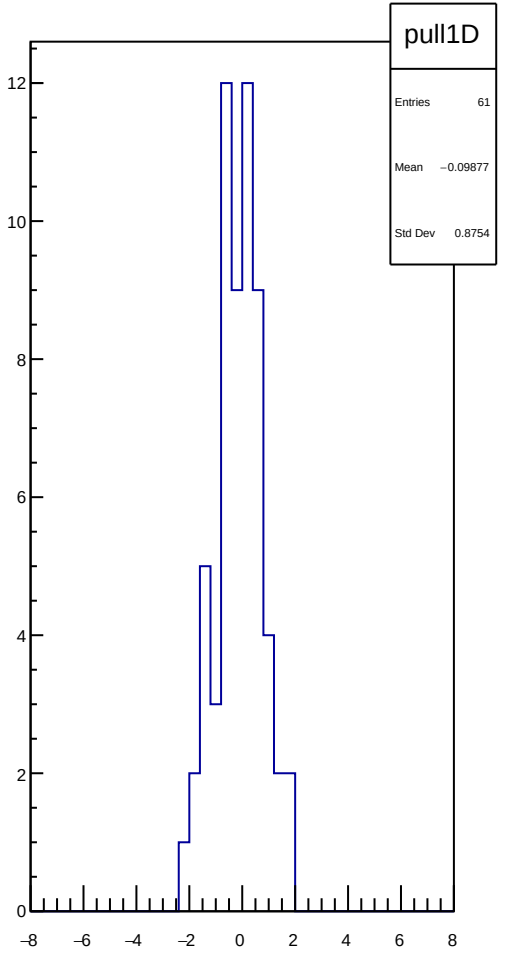

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 6077 / 60
p0 777.2 ± 0.7135
900
850
800
750
700
650

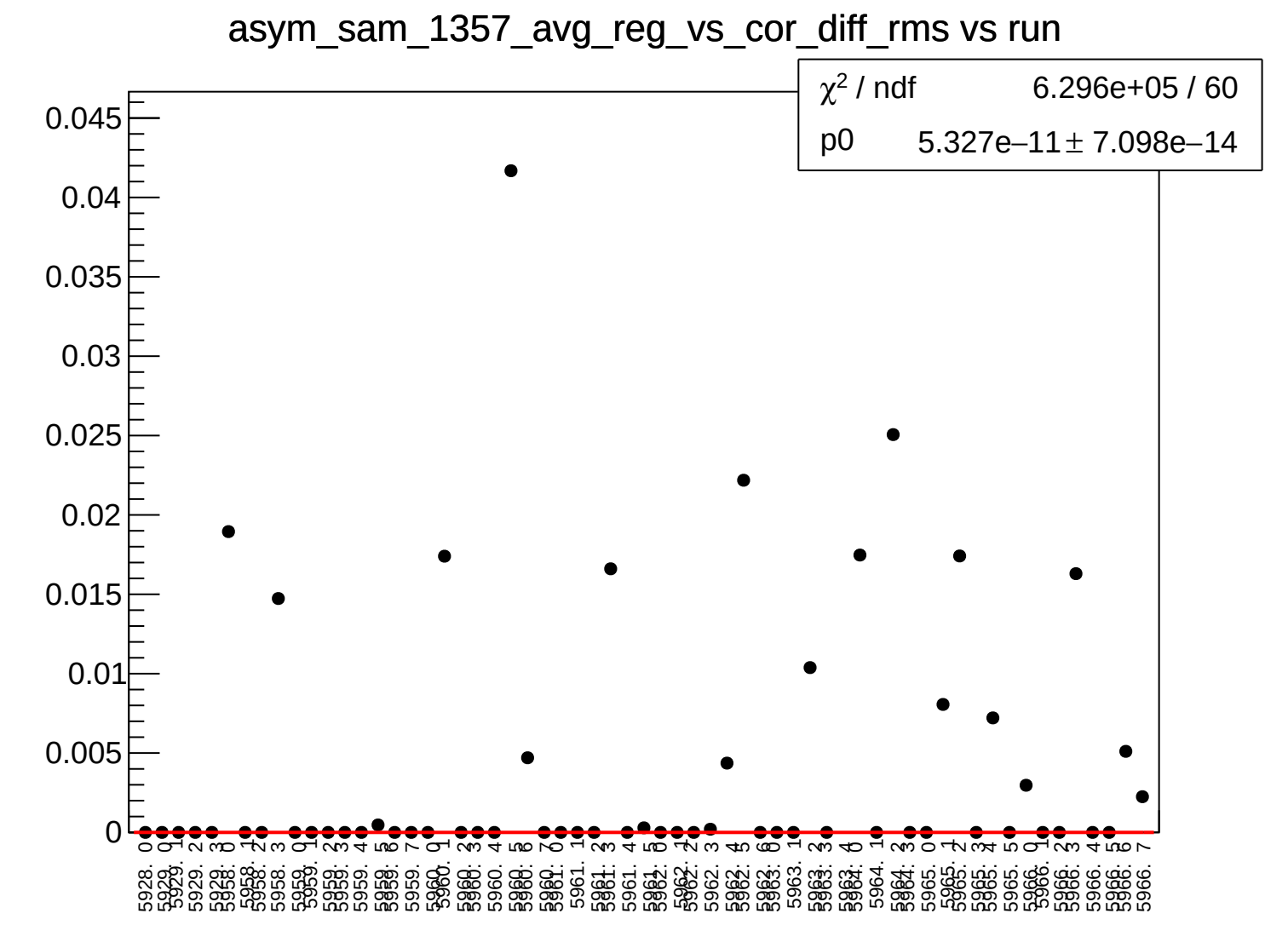

asym_sam_1357_avg_mean vs run
χ² / ndf 77.52 / 60
p0 966.8 ± 1040
pull
Entries 61
Mean 55.82
Std Dev 0

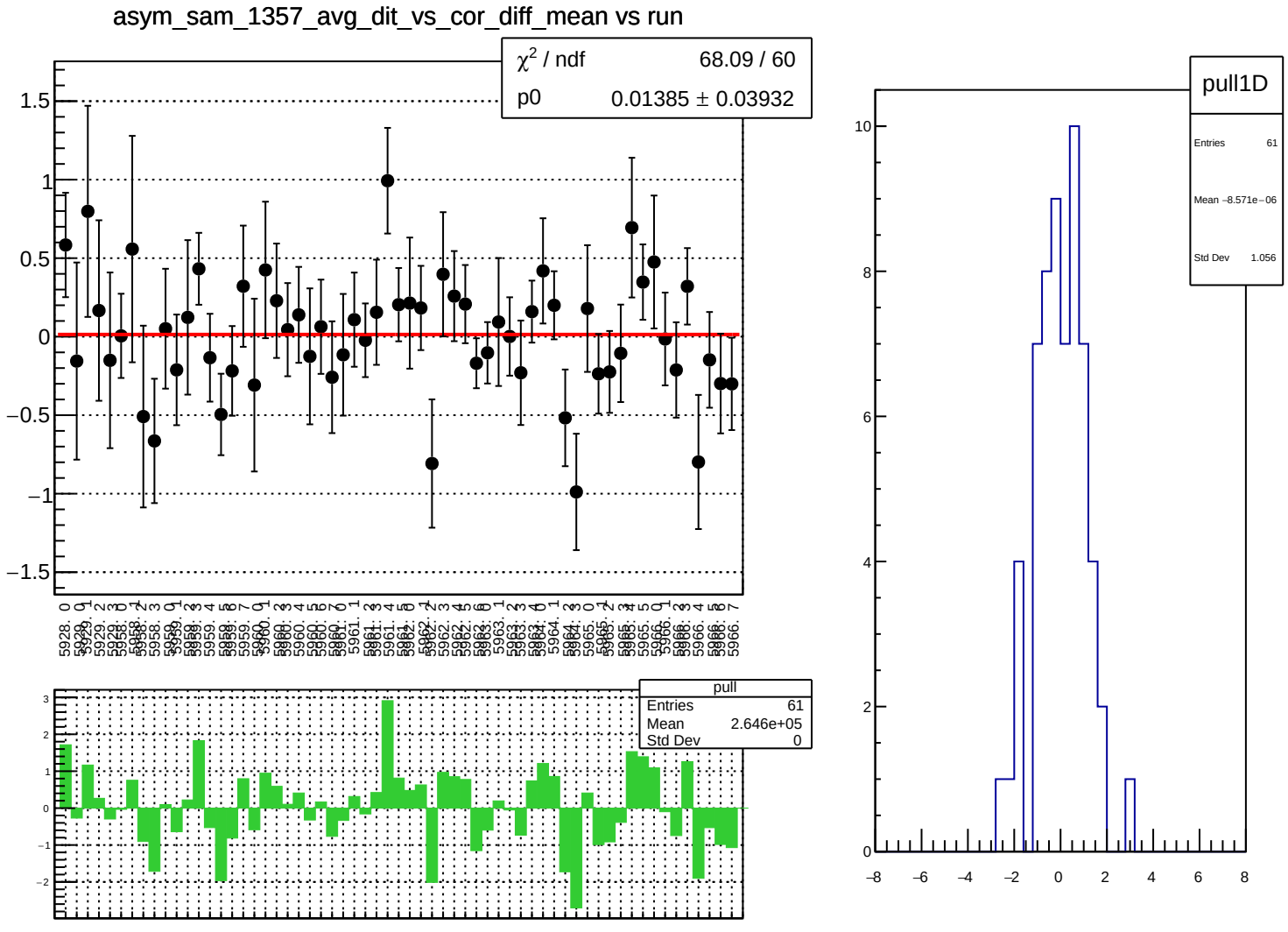

pull1D
Entries 61
Mean −0.01954
Std Dev 1.127

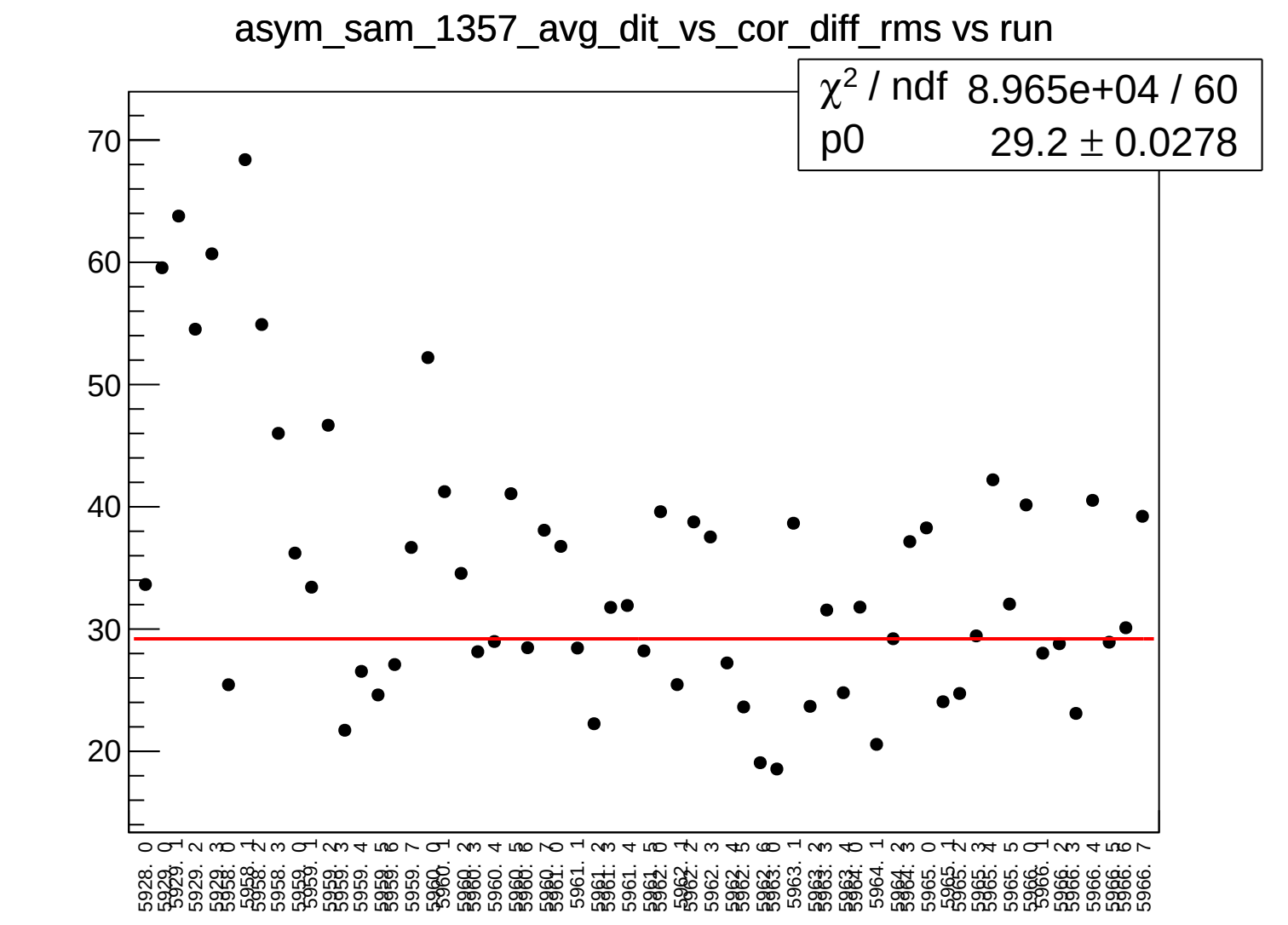

asym_sam_1357_avg_rms vs run
χ² / ndf 5673 / 60
p0 801.3 ± 0.7355
950
900
850
800
750
700
650

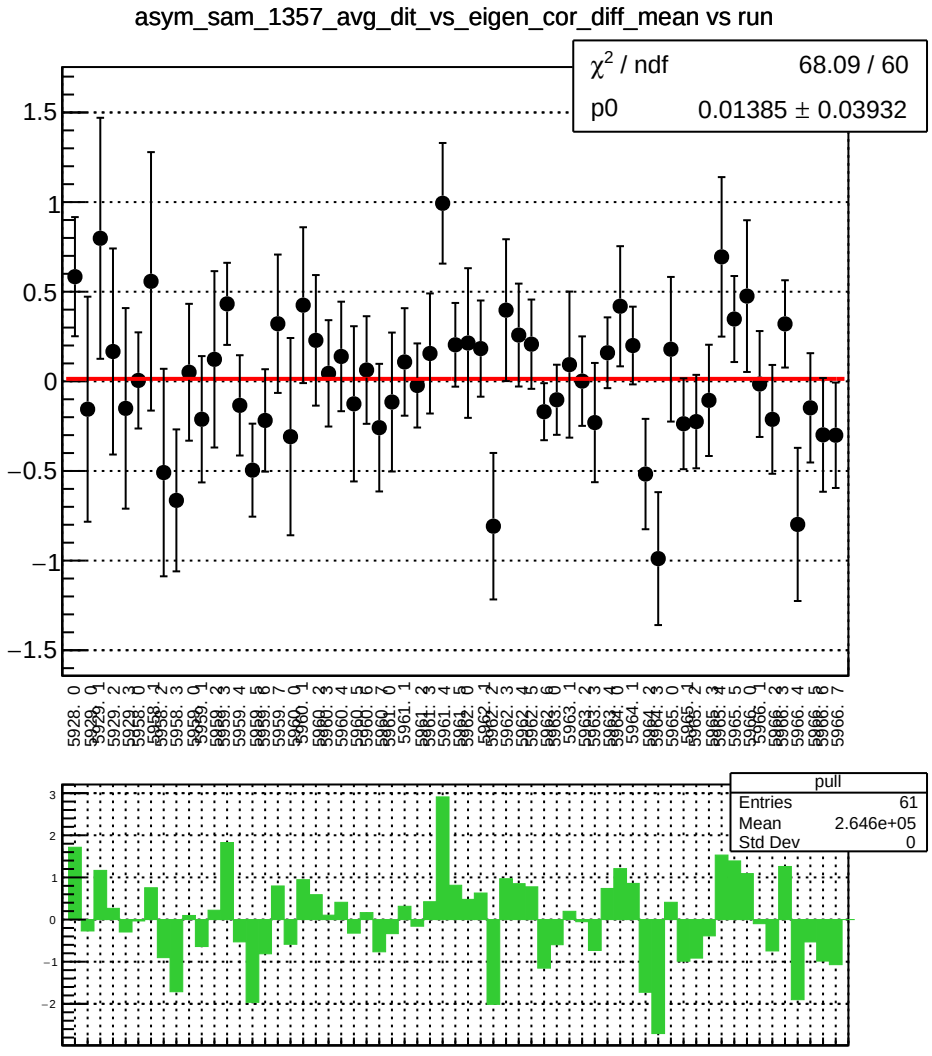

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.34 / 60
p0 −4.659e−14 ± 1.004e−13
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 61
Mean 15.41
Std Dev 16.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

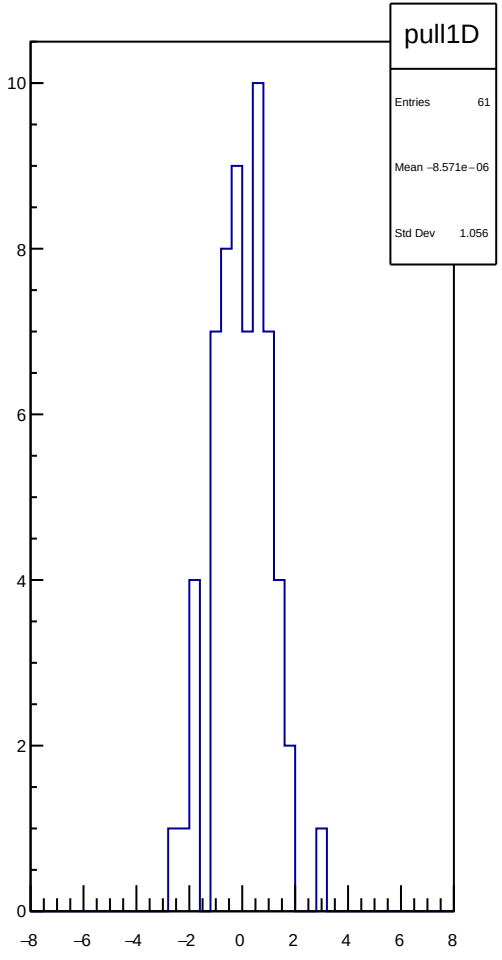

pull1D
Entries 61
Mean −0.09877
Std Dev 0.8754
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

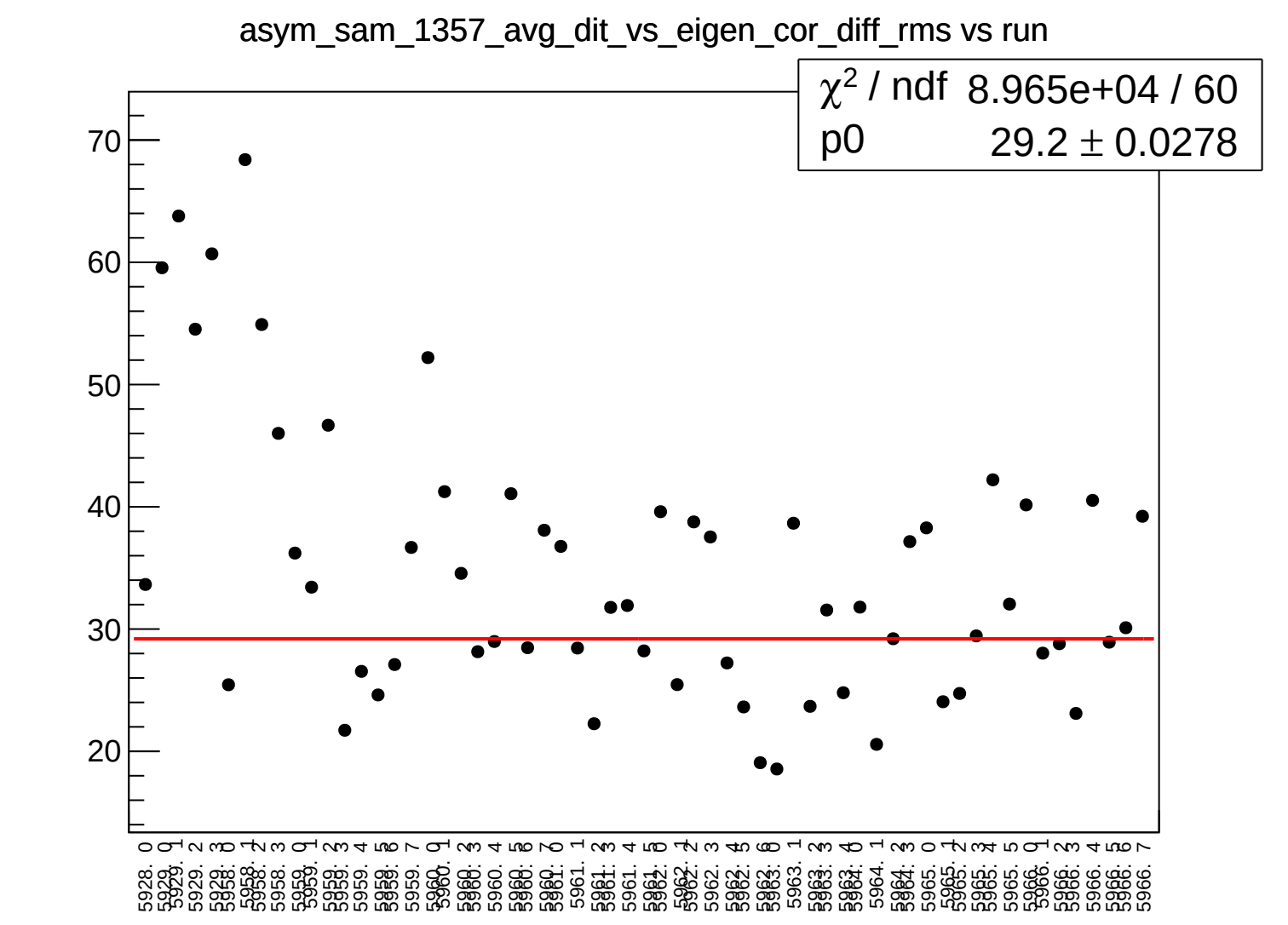

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.296e+05 / 60
p0 5.327e−11 ± 7.098e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

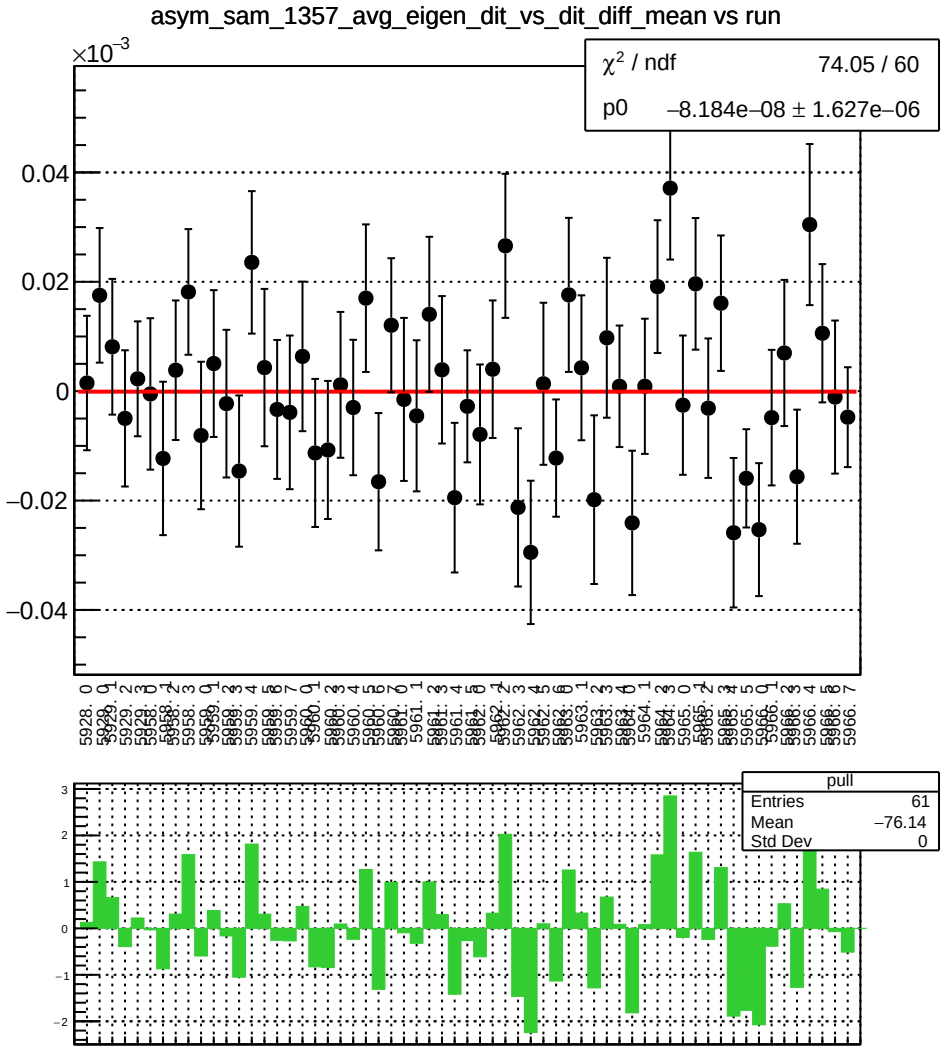

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.09 / 60
p0 0.01385 ± 0.03932
pull
Entries 61
Mean 2.646e+05
Std Dev 0
pull1D
Entries 61
Mean −8.571e−06
Std Dev 1.056

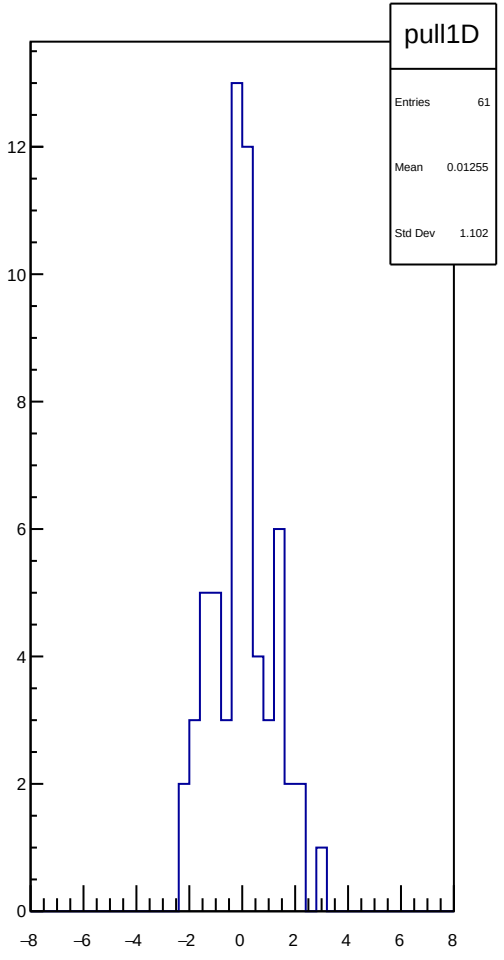

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.965e+04 / 60
p0 29.2 ± 0.0278
70
60
50
40
30
20

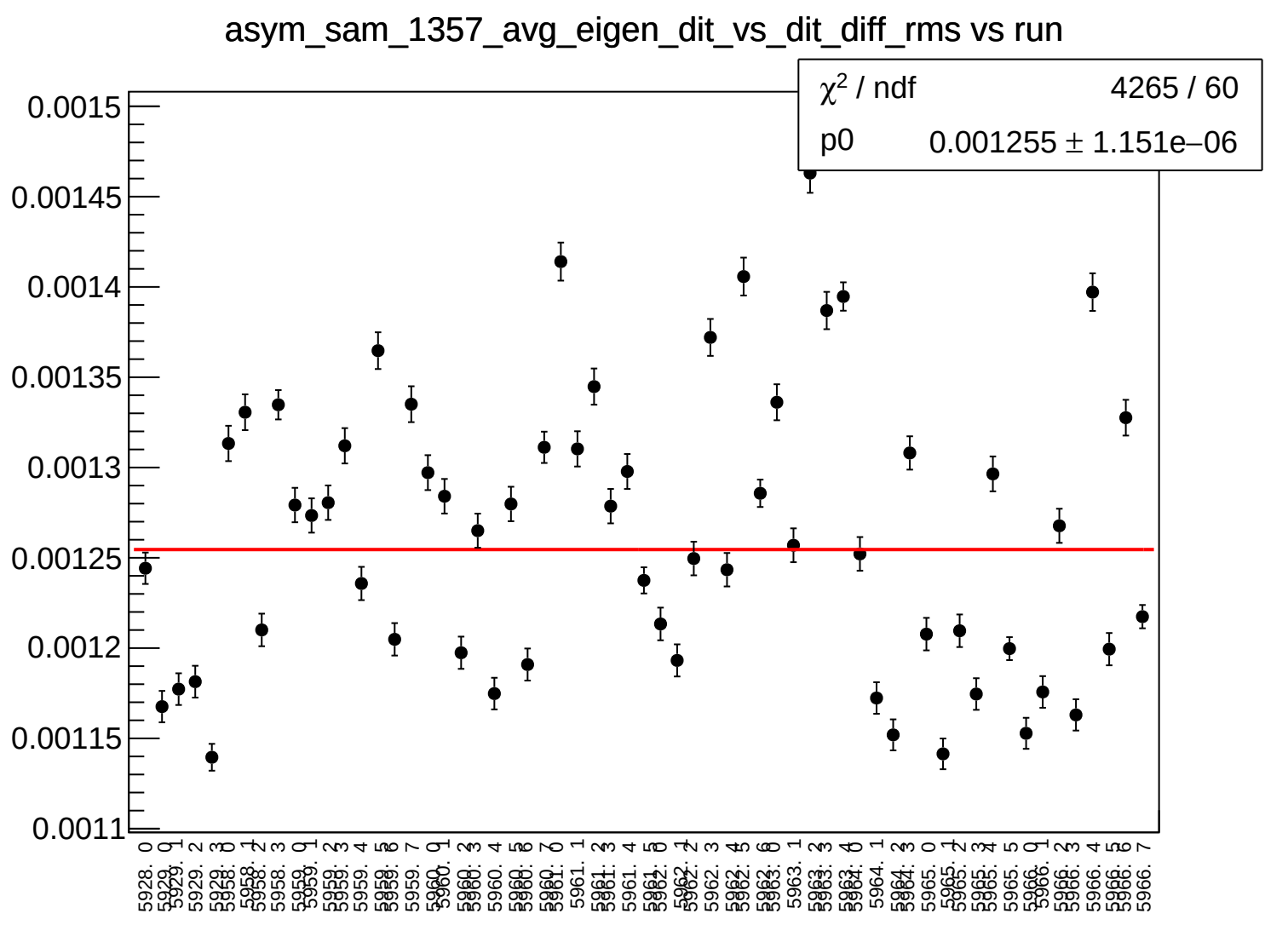

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.09 / 60
p0 0.01385 ± 0.03932
pull
Entries 61
Mean 2.646e+05
Std Dev 0

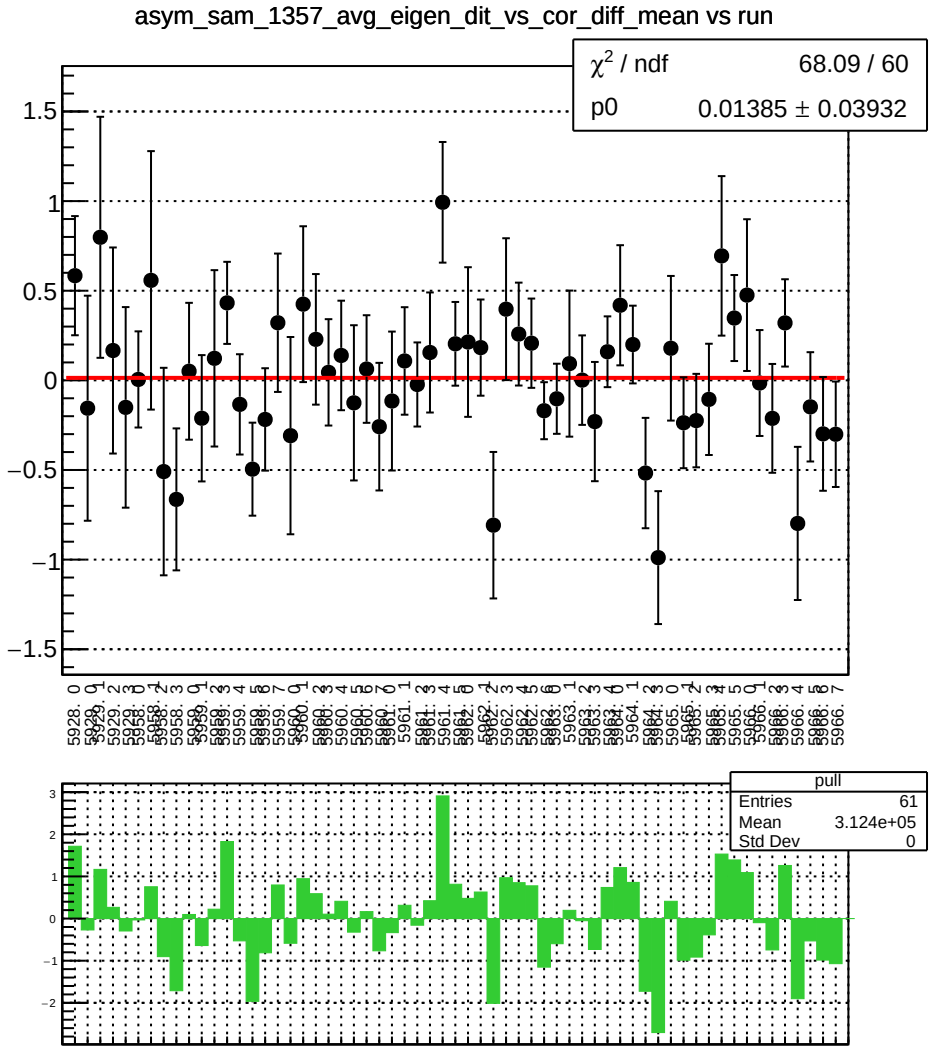

pull1D
Entries 61
Mean −8.571e−06
Std Dev 1.056

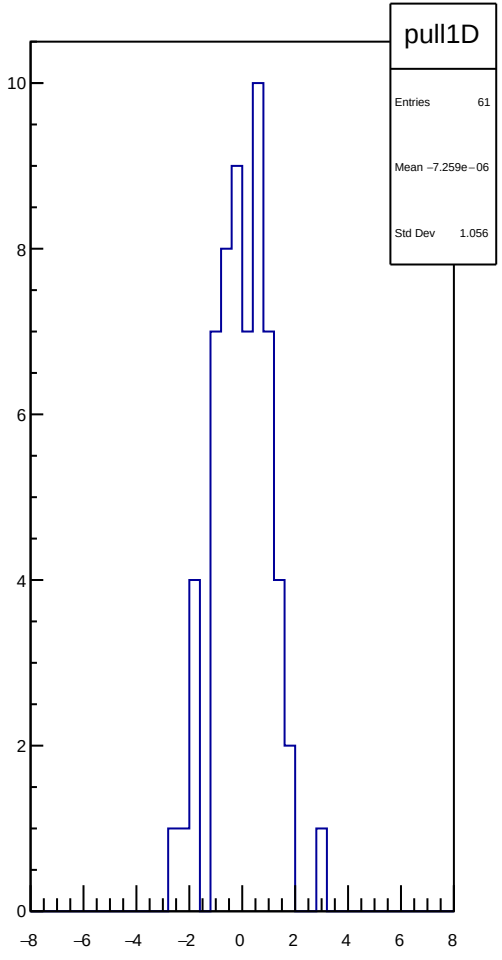

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.965e+04 / 60
p0 29.2 ± 0.0278
70
60
50
40
30
20

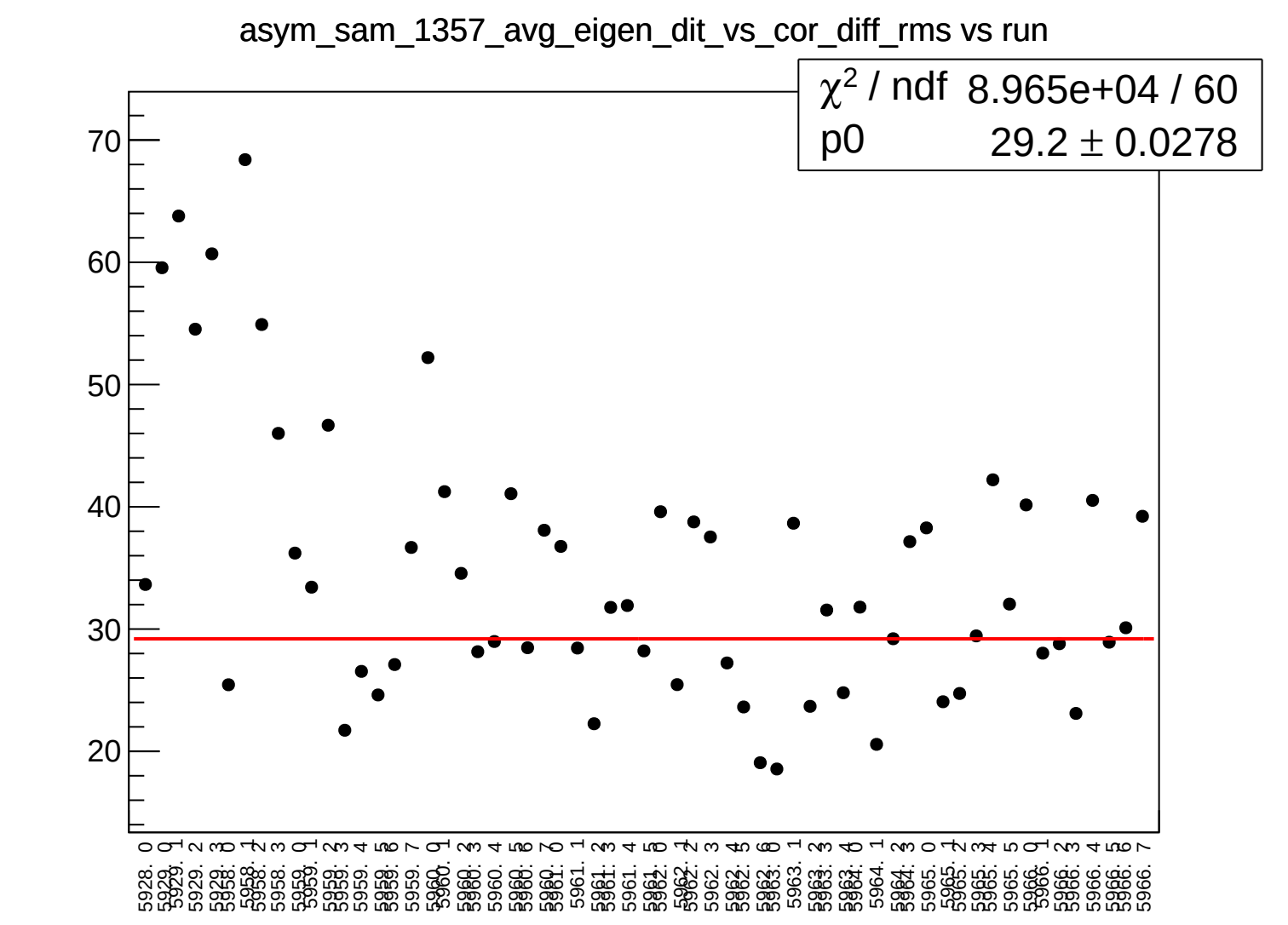

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.05 / 60
p0 −8.184e−08 ± 1.627e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 61
Mean −76.14
Std Dev 0
3
2
1
0
−1
−2

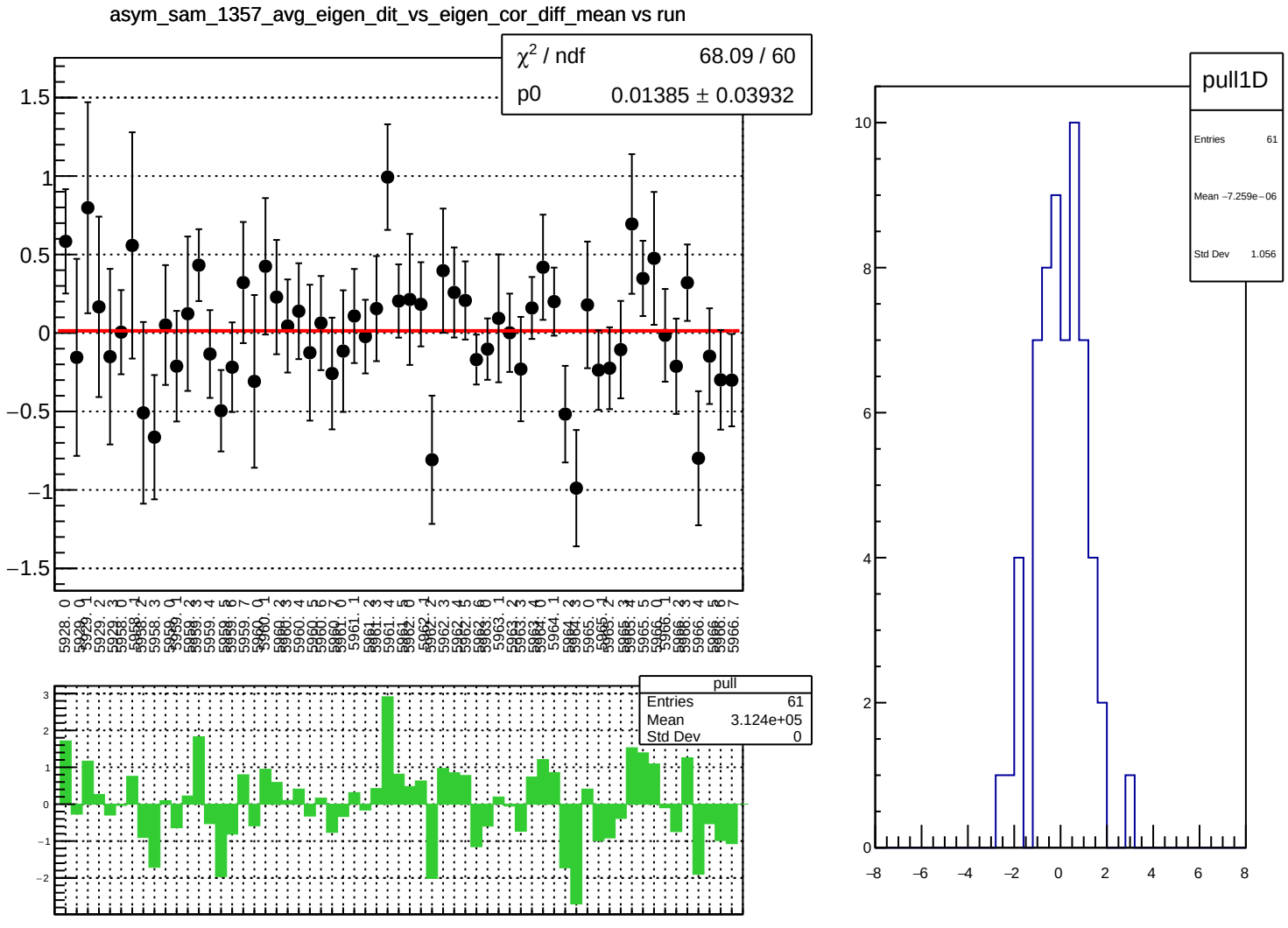

pull1D
Entries 61
Mean 0.01255
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

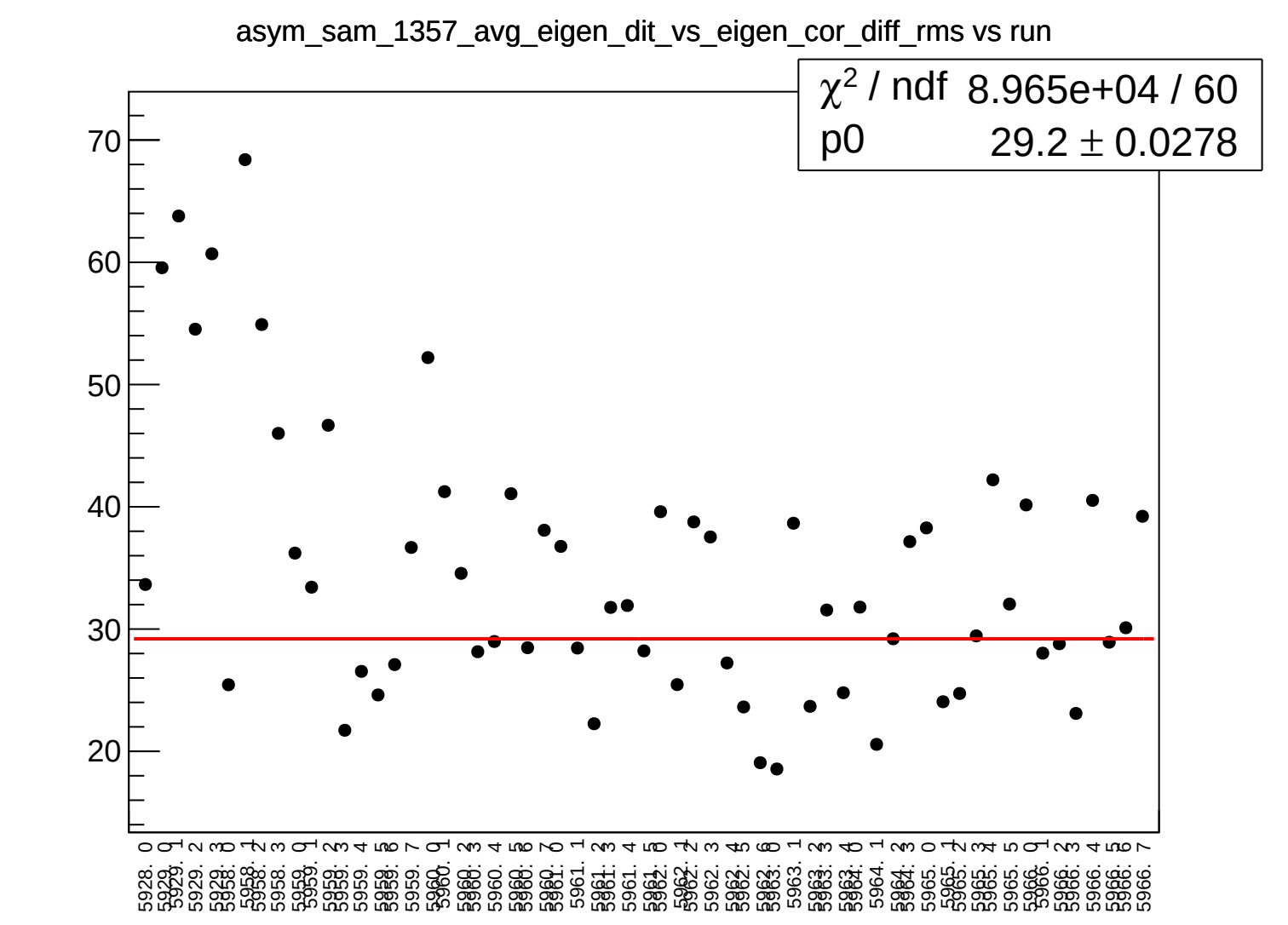

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4265 / 60
p0 0.001255 ± 1.151e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011

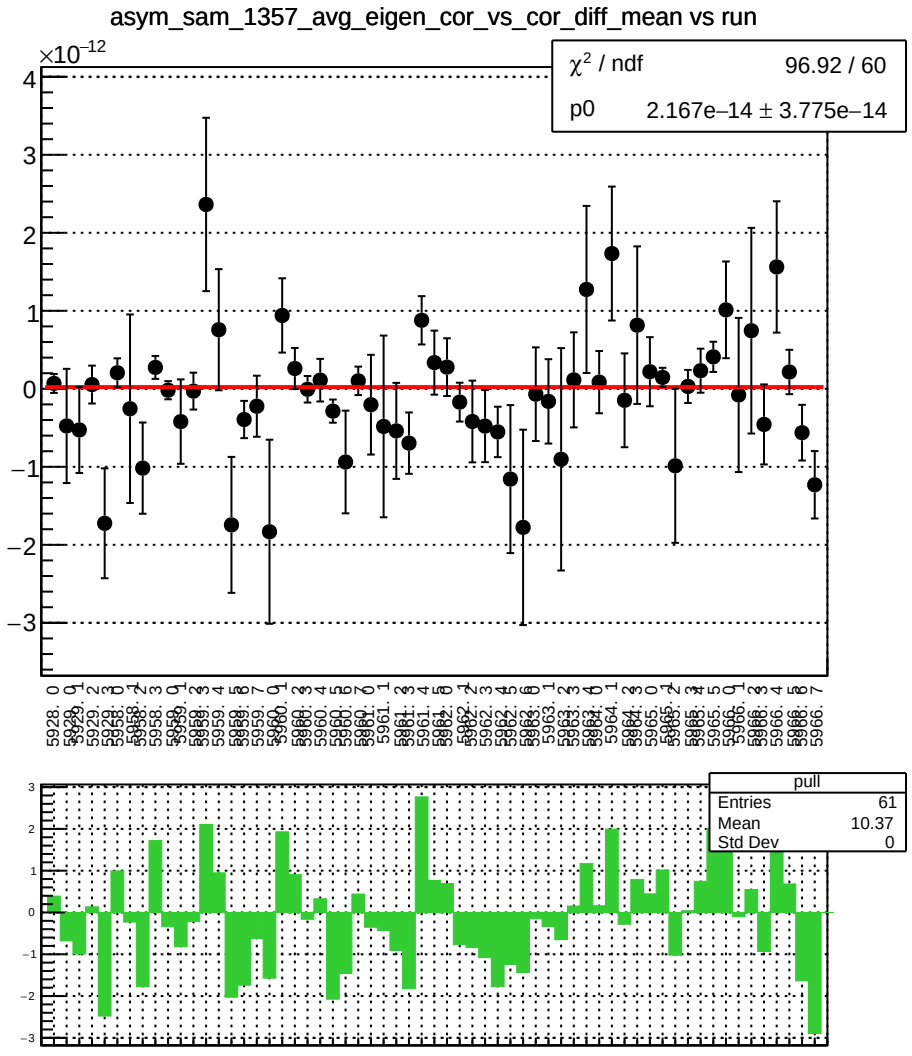

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.09 / 60
p0 0.01385 ± 0.03932
pull
Entries 61
Mean 3.124e+05
Std Dev 0

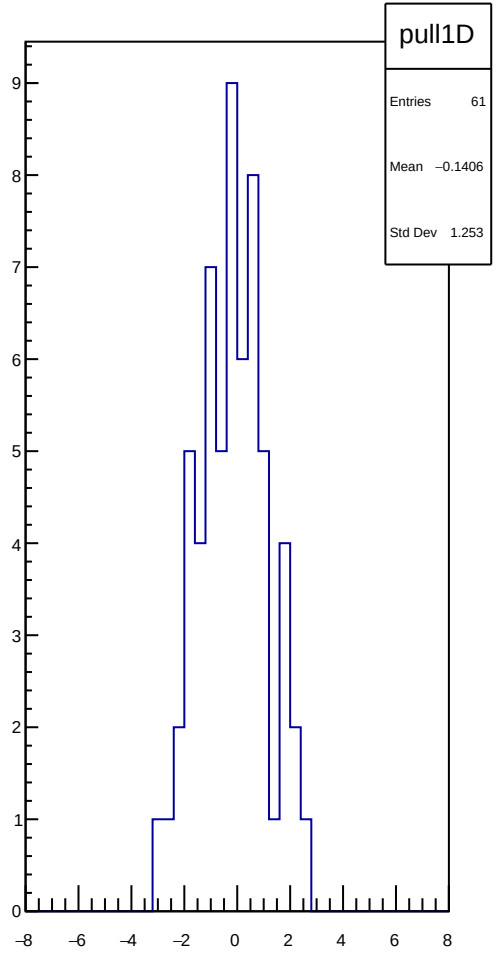

pull1D
Entries 61
Mean −7.259e−06
Std Dev 1.056

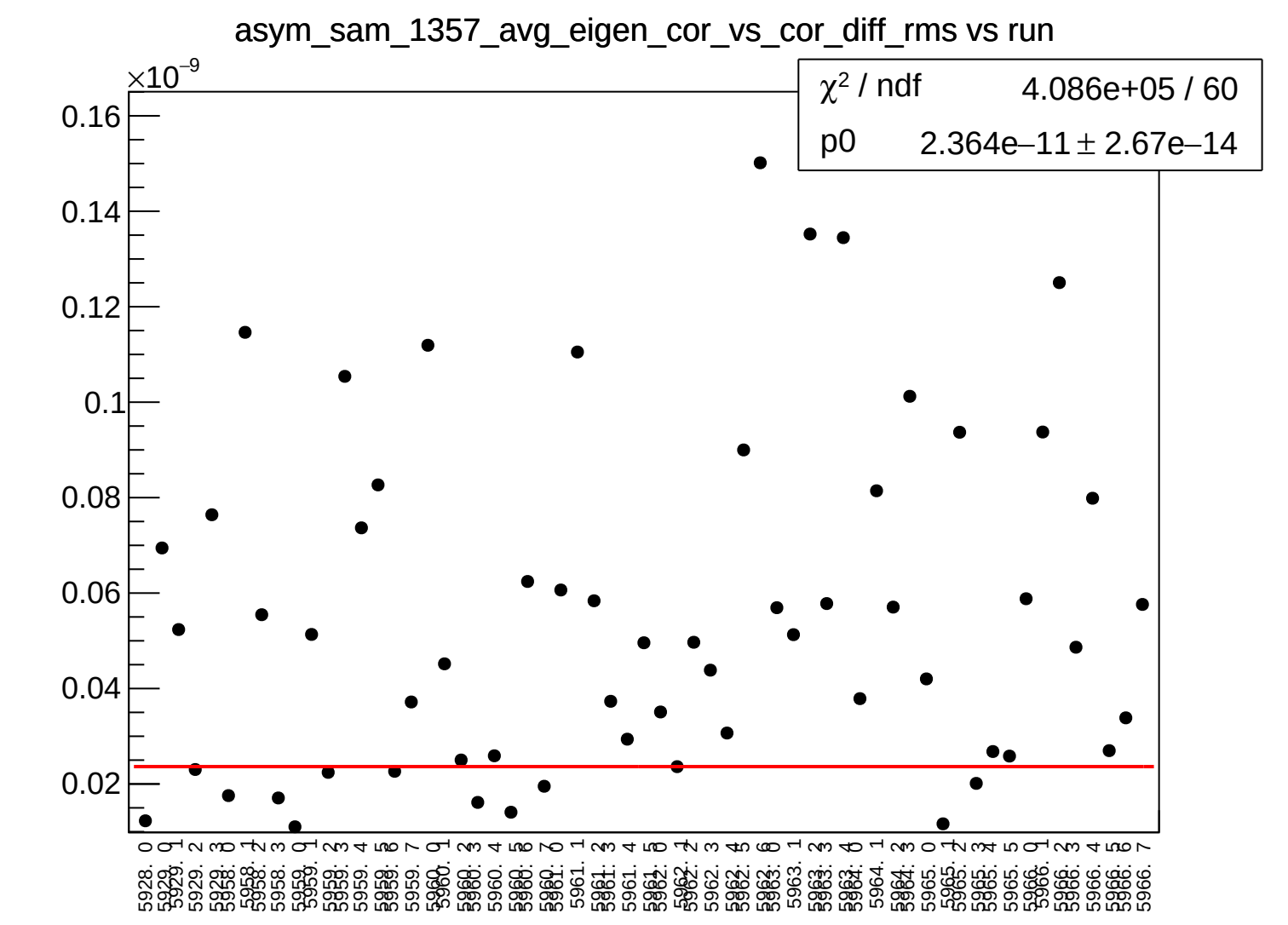

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.965e+04 / 60
p0 29.2 ± 0.0278
70
60
50
40
30
20

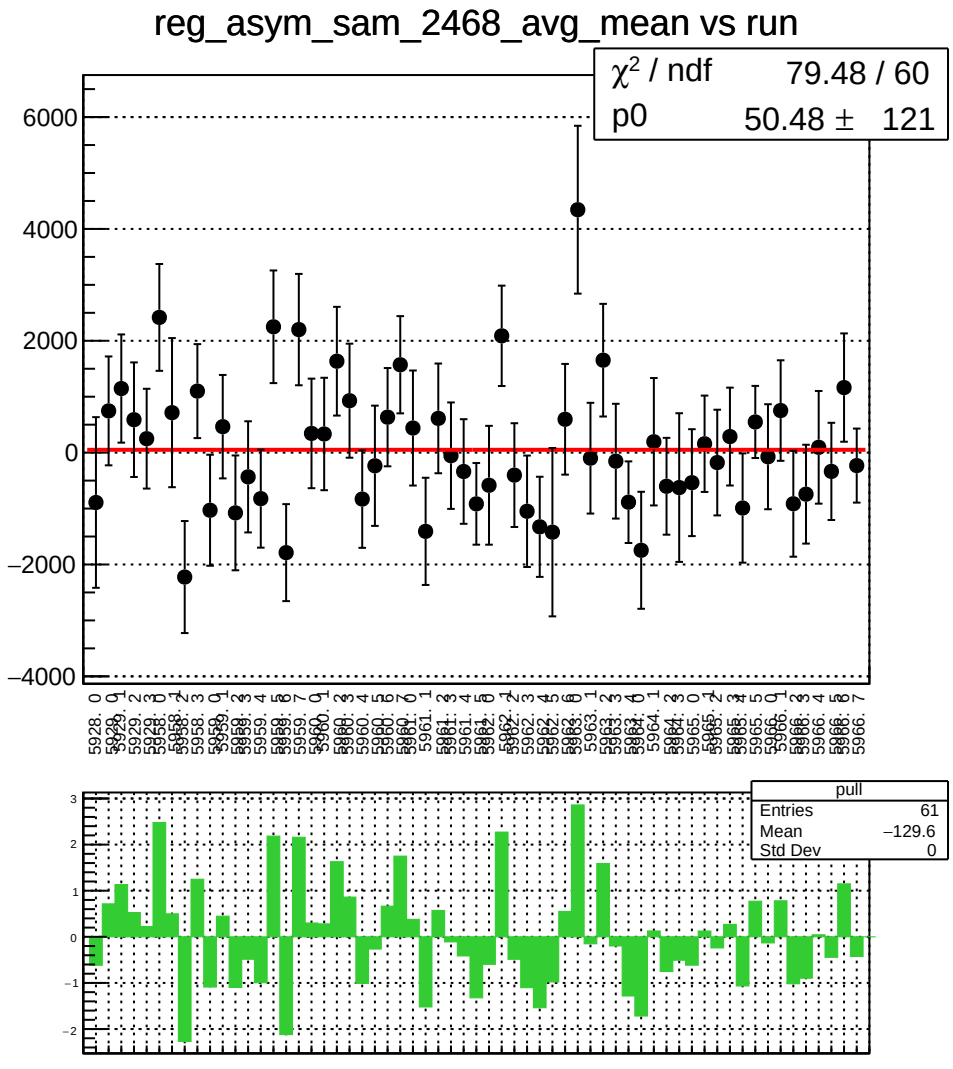

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.09 / 60
p0 0.01385 ± 0.03932
pull
Entries 61
Mean 3.124e+05
Std Dev 0
pull1D
Entries 61
Mean −7.259e−06
Std Dev 1.056

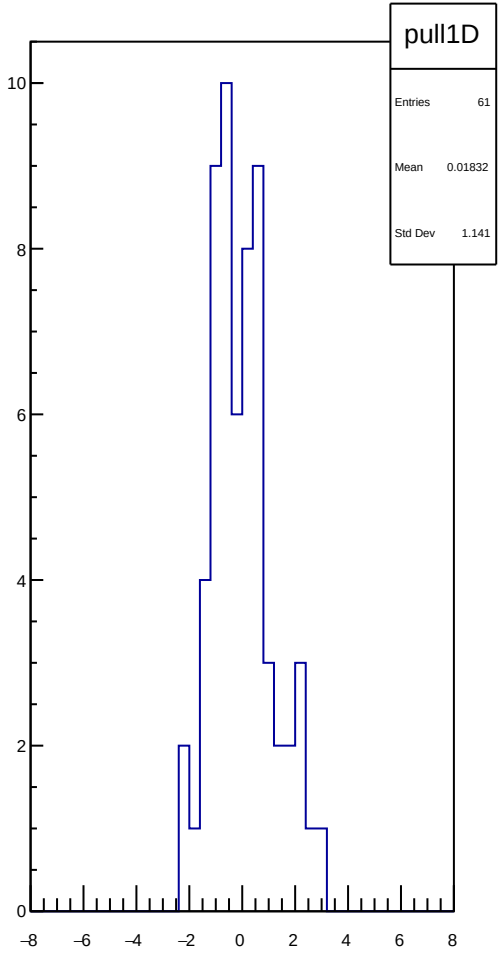

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.965e+04 / 60
p0 29.2 ± 0.0278
70
60
50
40
30
20

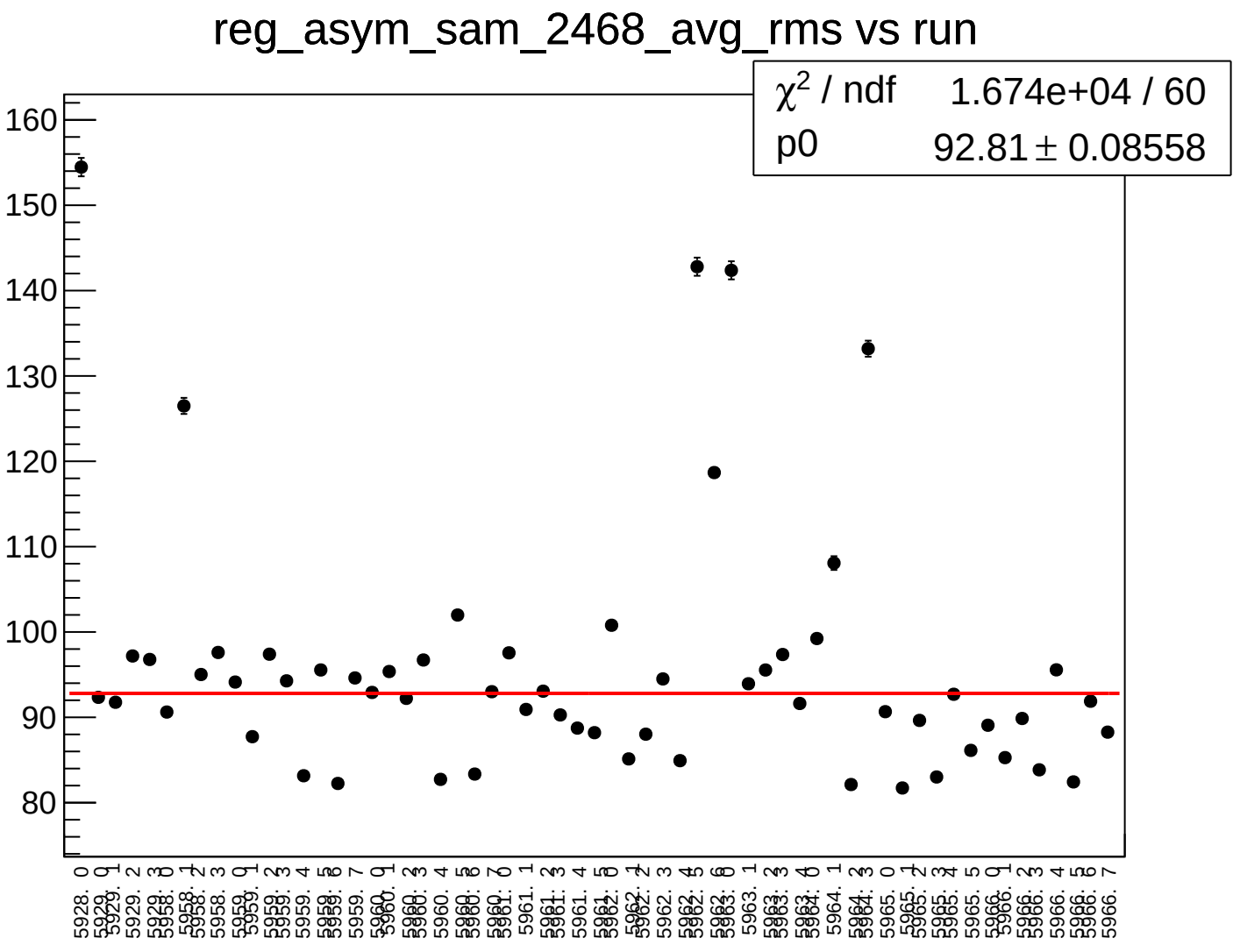

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 96.92 / 60
p0 2.167e−14 ± 3.775e−14
pull
Entries 61
Mean 10.37
Std Dev 0

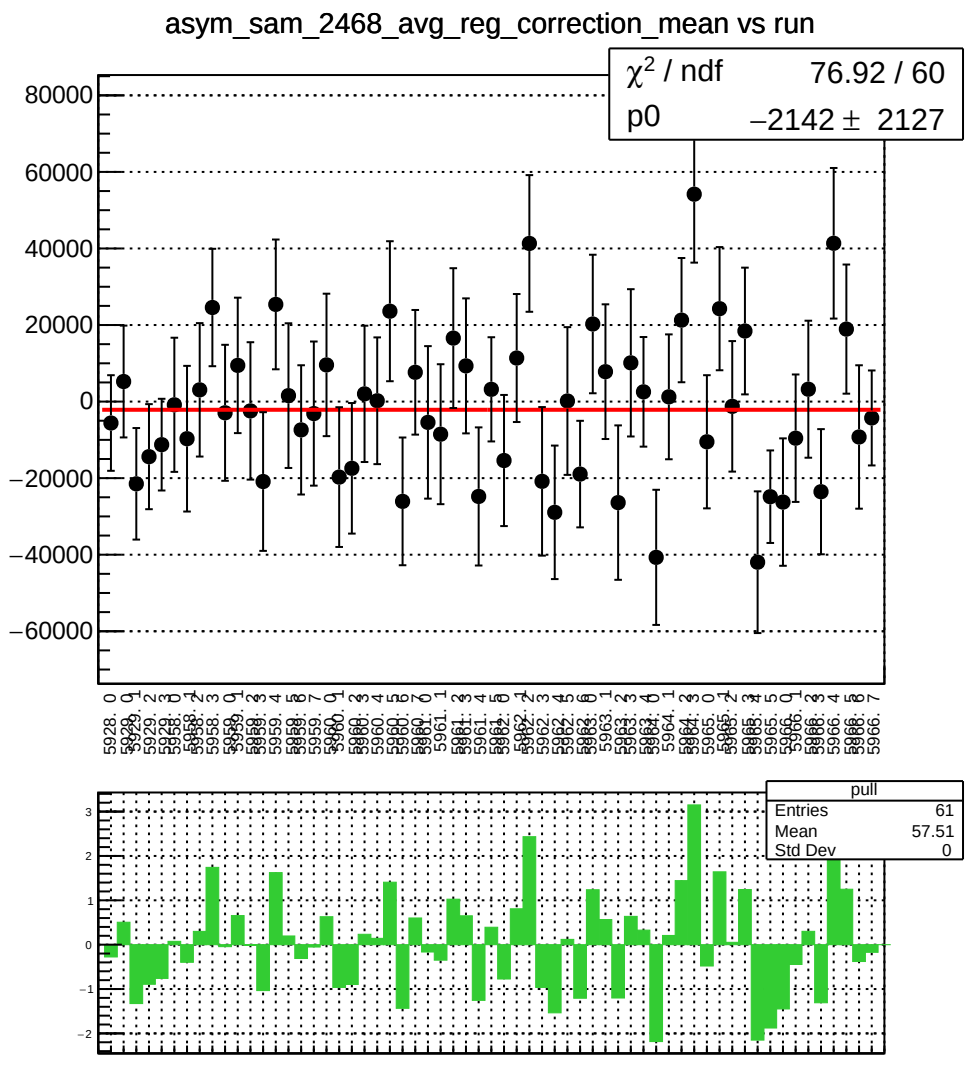

pull1D
Entries 61
Mean −0.1406
Std Dev 1.253

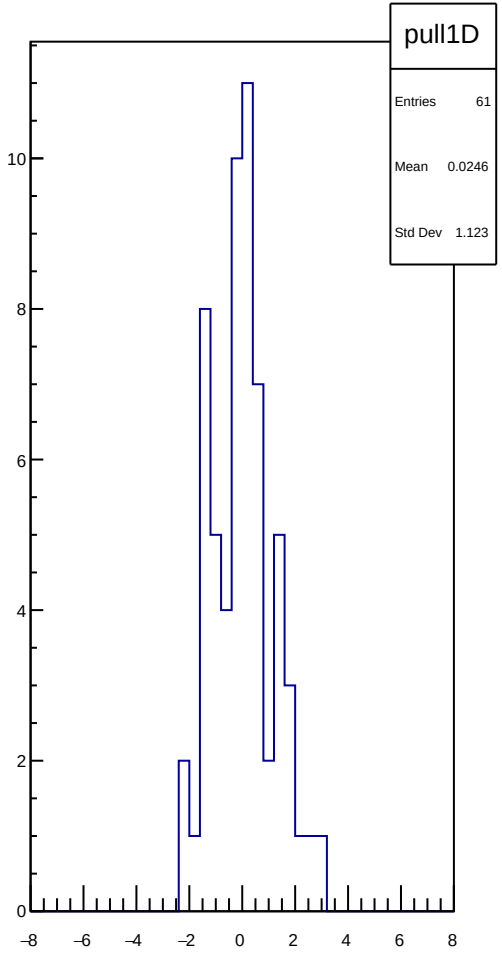

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.086e+05 / 60
p0 2.364e−11 ± 2.67e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

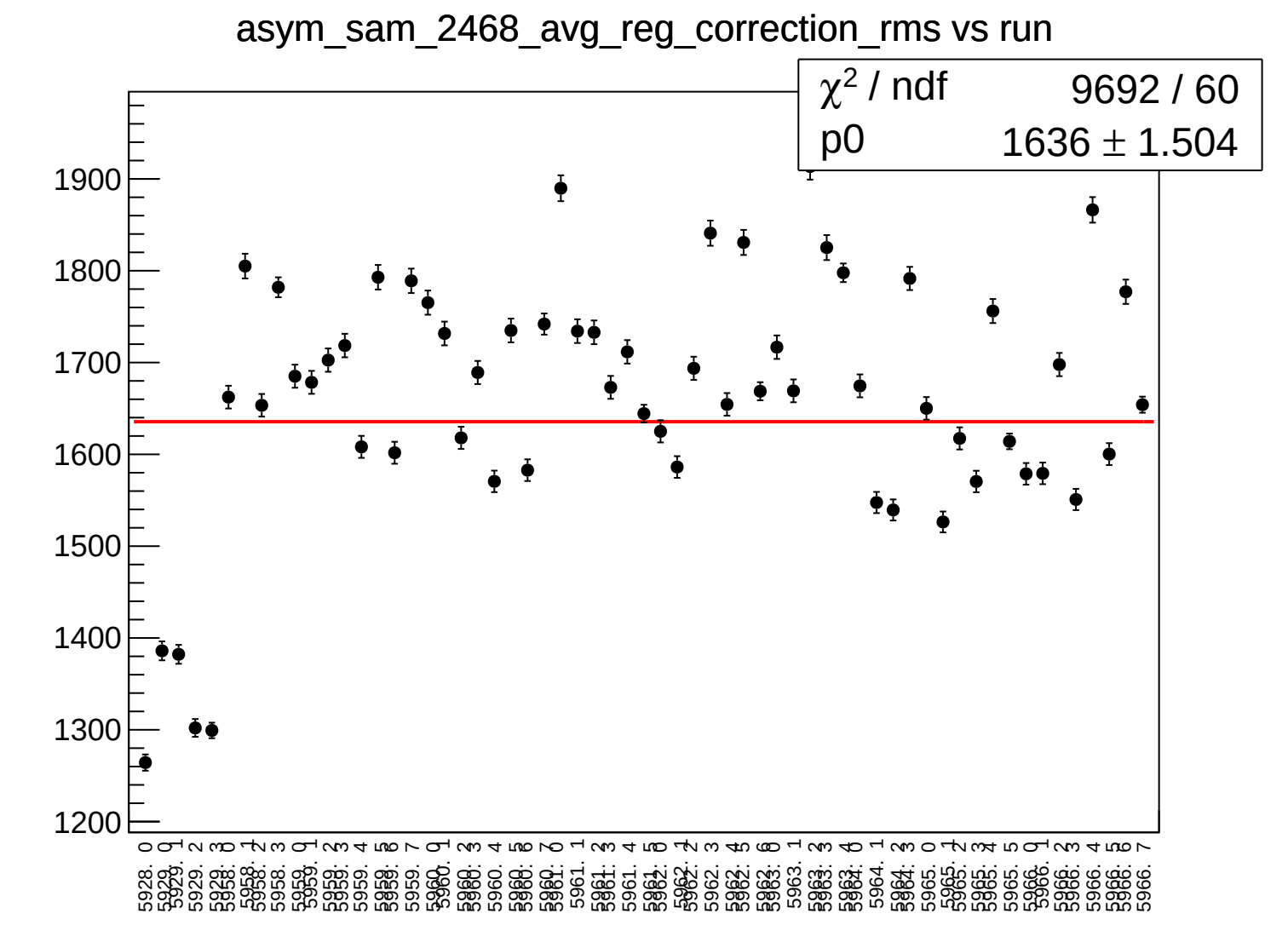

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 79.48 / 60
p0 50.48 ± 121
pull
Entries 61
Mean −129.6
Std Dev 0

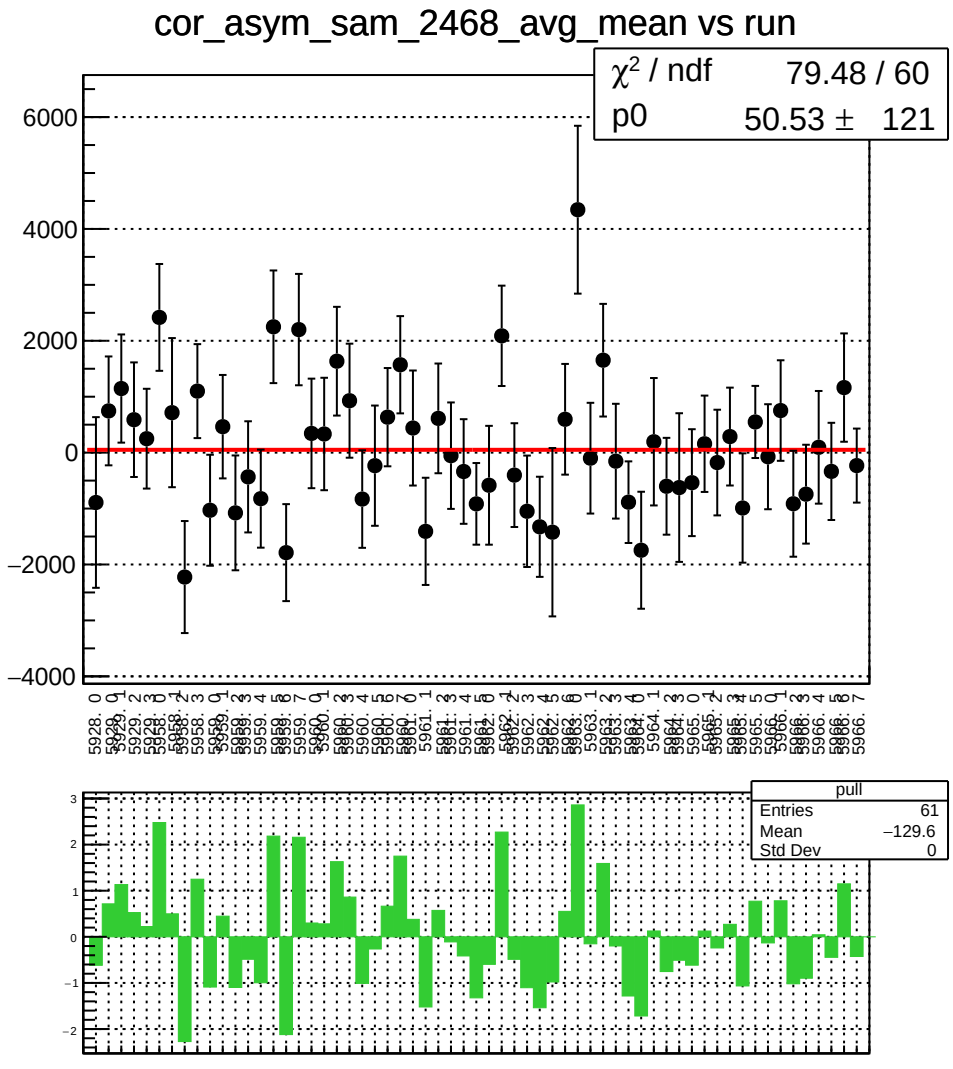

pull1D
Entries 61
Mean 0.01832
Std Dev 1.141

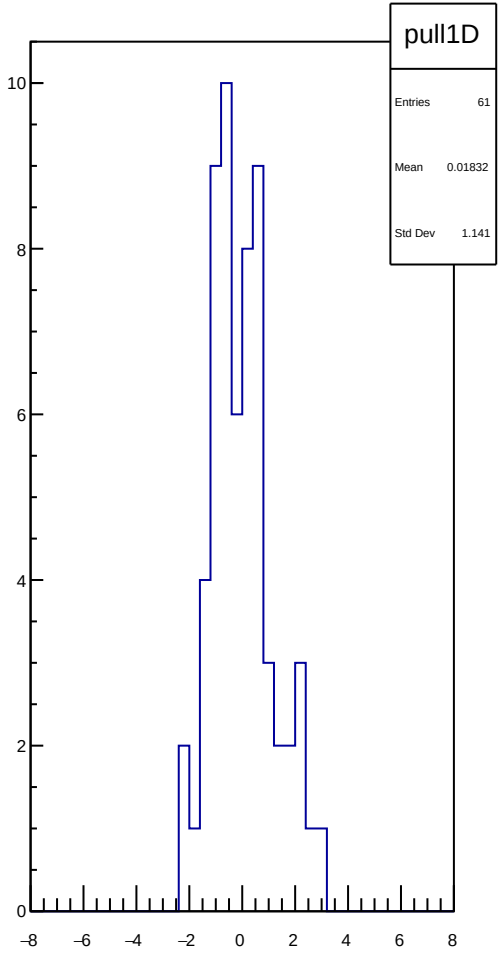

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 1.674e+04 / 60
p0 92.81 ± 0.08558
160
150
140
130
120
110
100
90
80

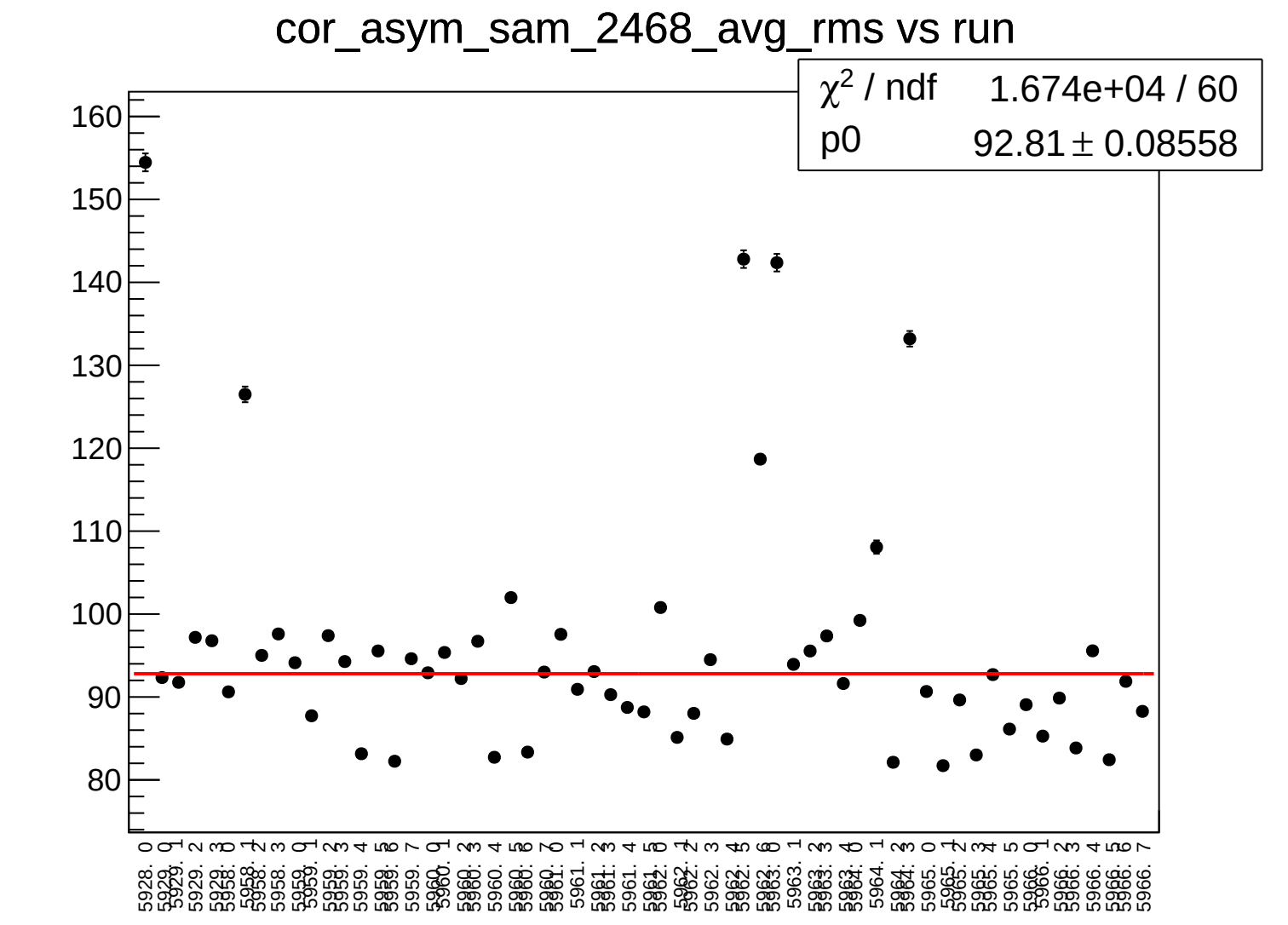

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 76.92 / 60
p0 −2142 ± 2127
pull
Entries 61
Mean 57.51
Std Dev 0

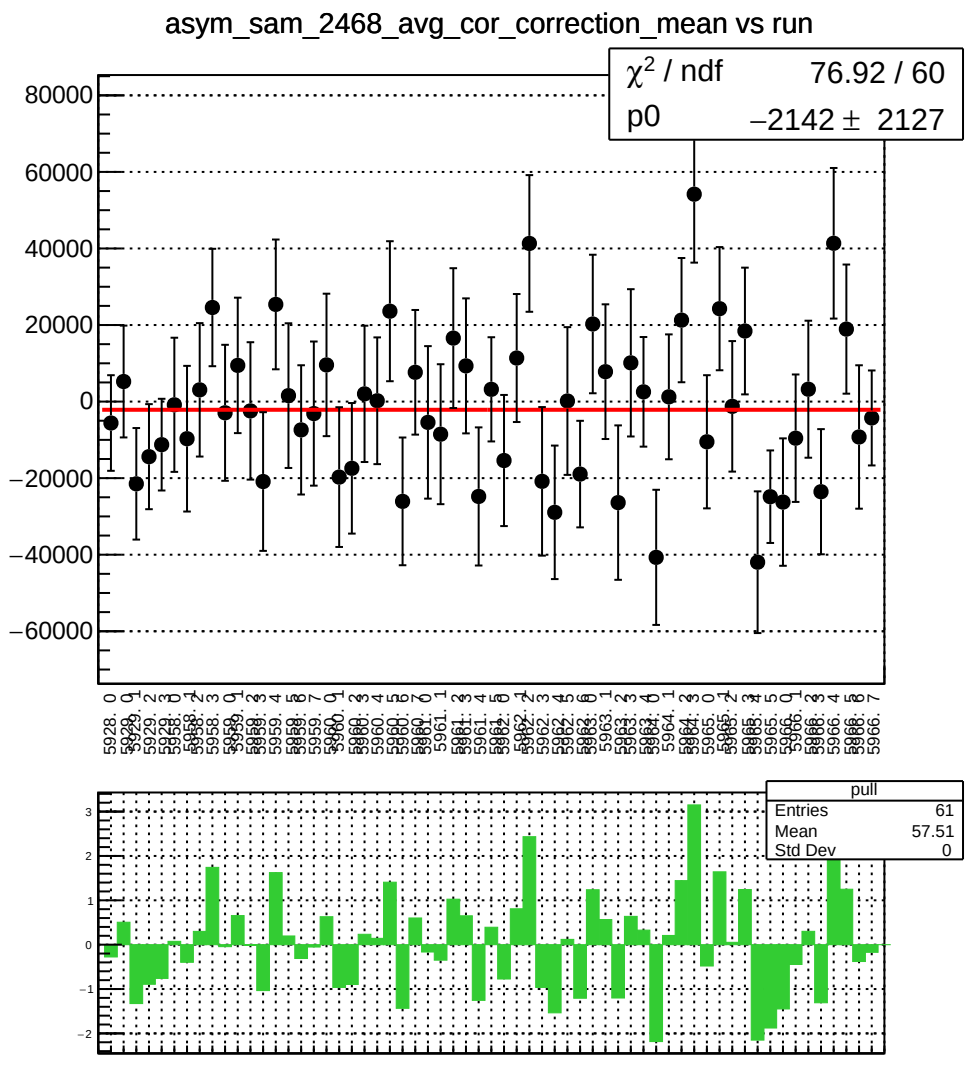

pull1D
Entries 61
Mean 0.0246
Std Dev 1.123

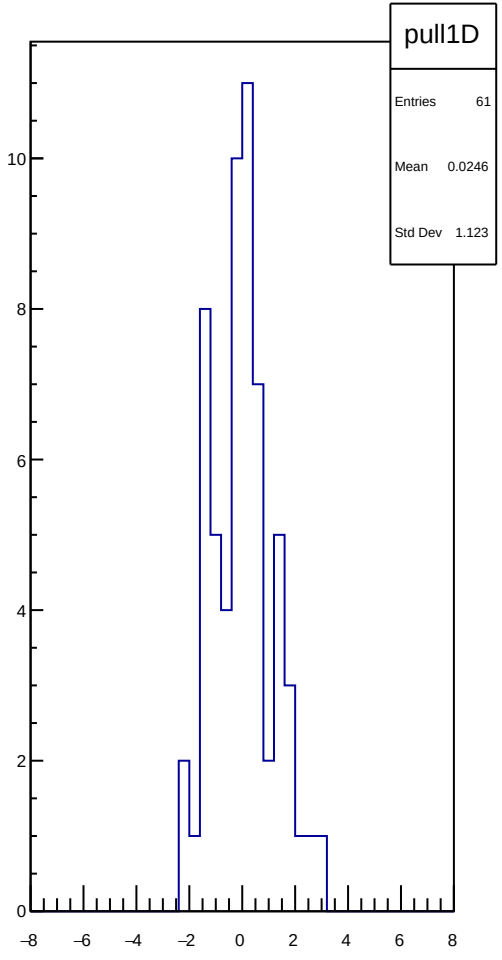

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 9692 / 60
p0 1636 ± 1.504
1900
1800
1700
1600
1500
1400
1300
1200

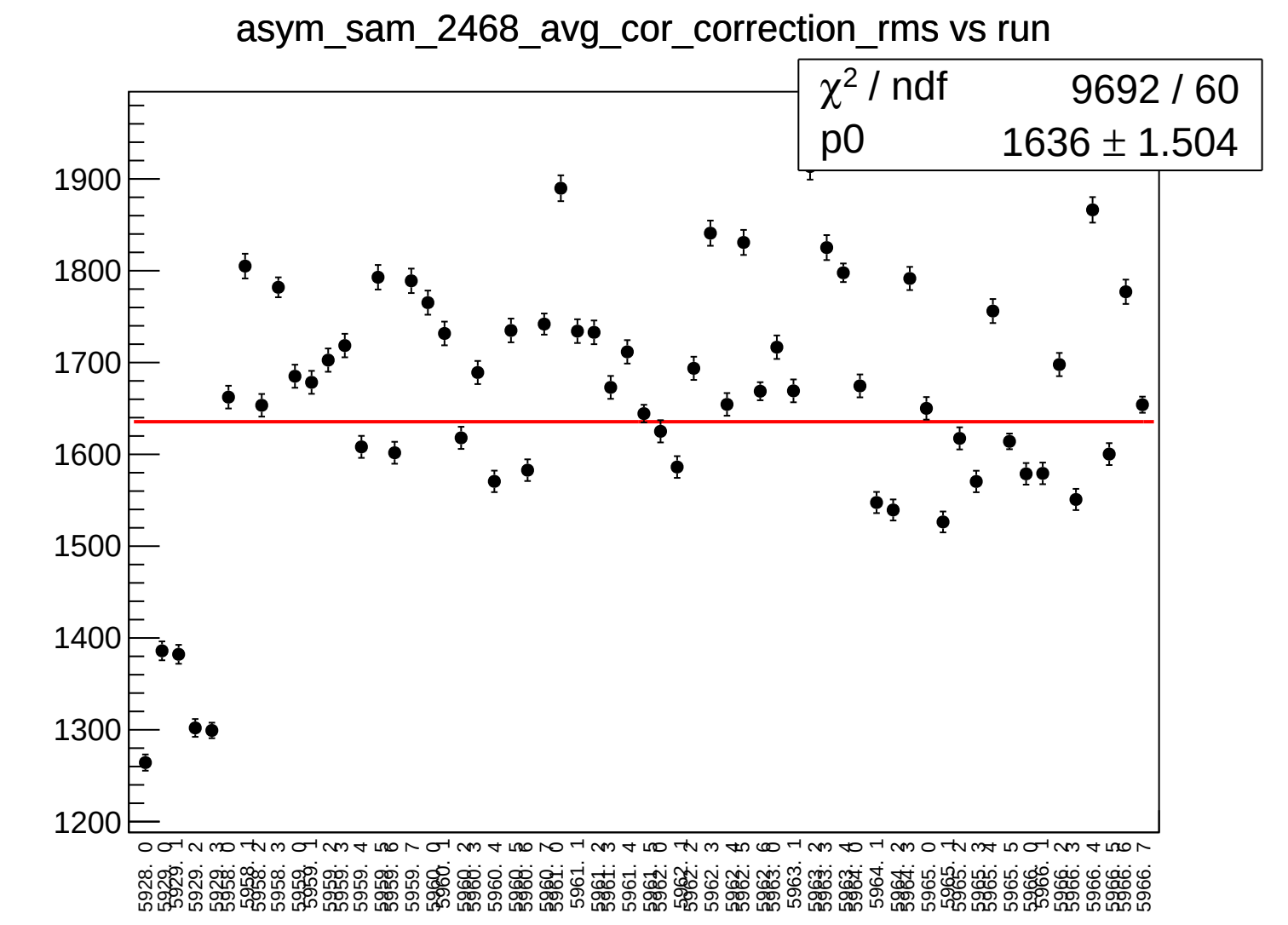

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 79.48 / 60
p0 50.53 ± 121
pull
Entries 61
Mean −129.6
Std Dev 0

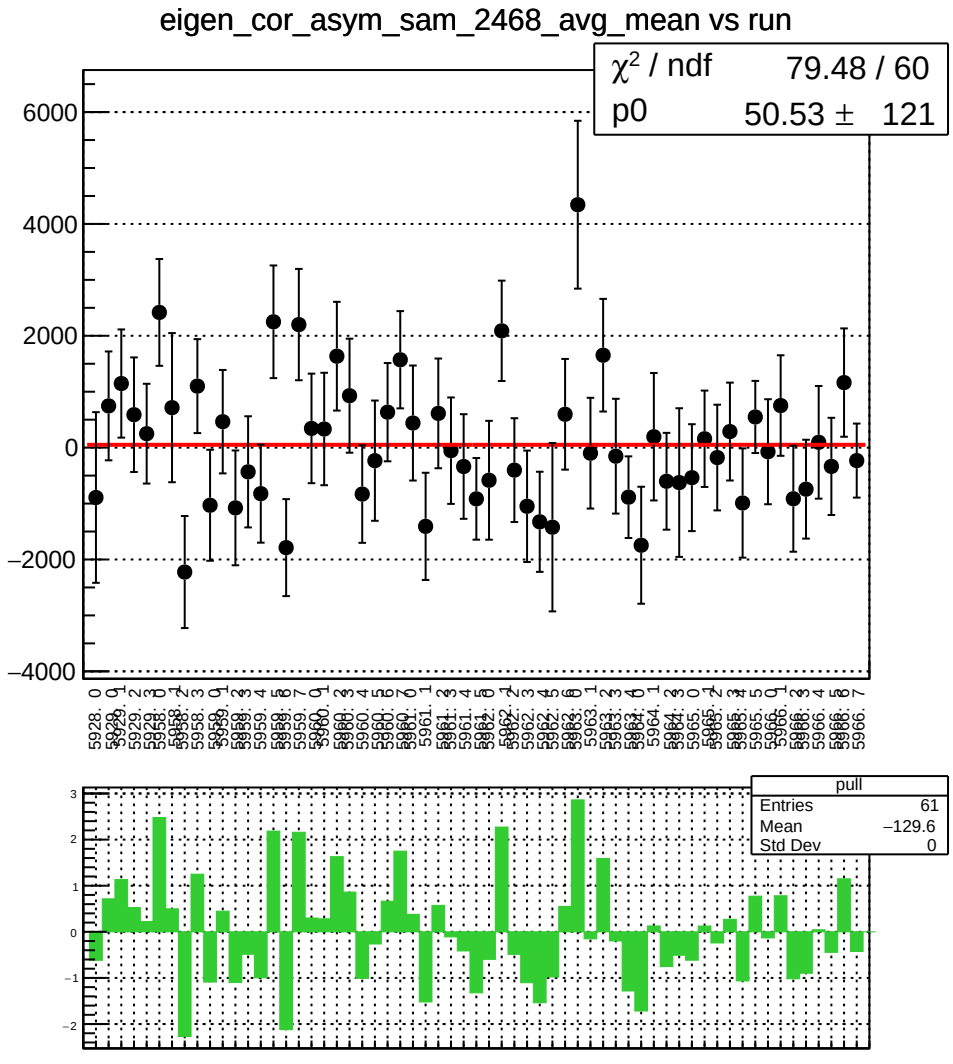

pull1D
Entries 61
Mean 0.01832
Std Dev 1.141

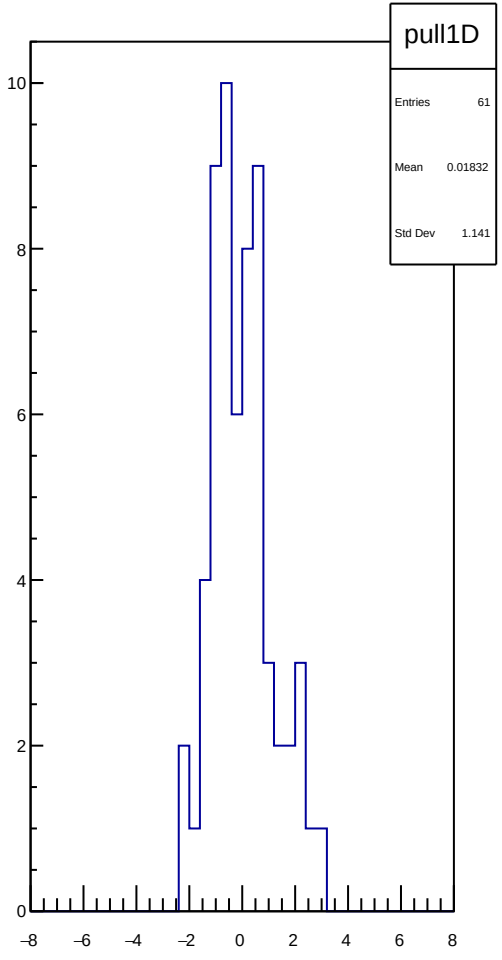

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.674e+04 / 60
p0 92.81 ± 0.08558
160
150
140
130
120
110
100
90
80

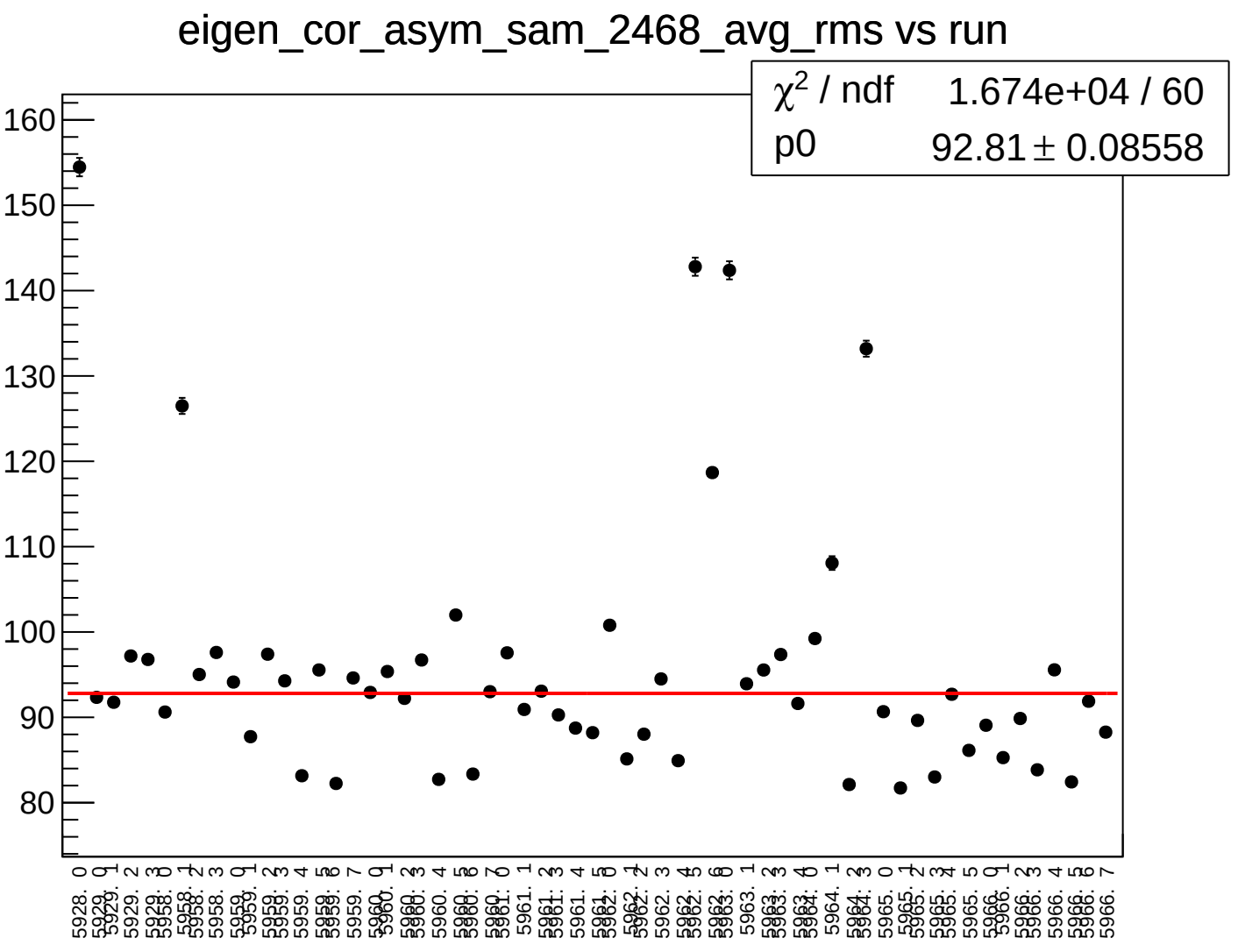

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 76.92 / 60
p0 −2142 ± 2127
pull
Entries 61
Mean 57.51
Std Dev 0

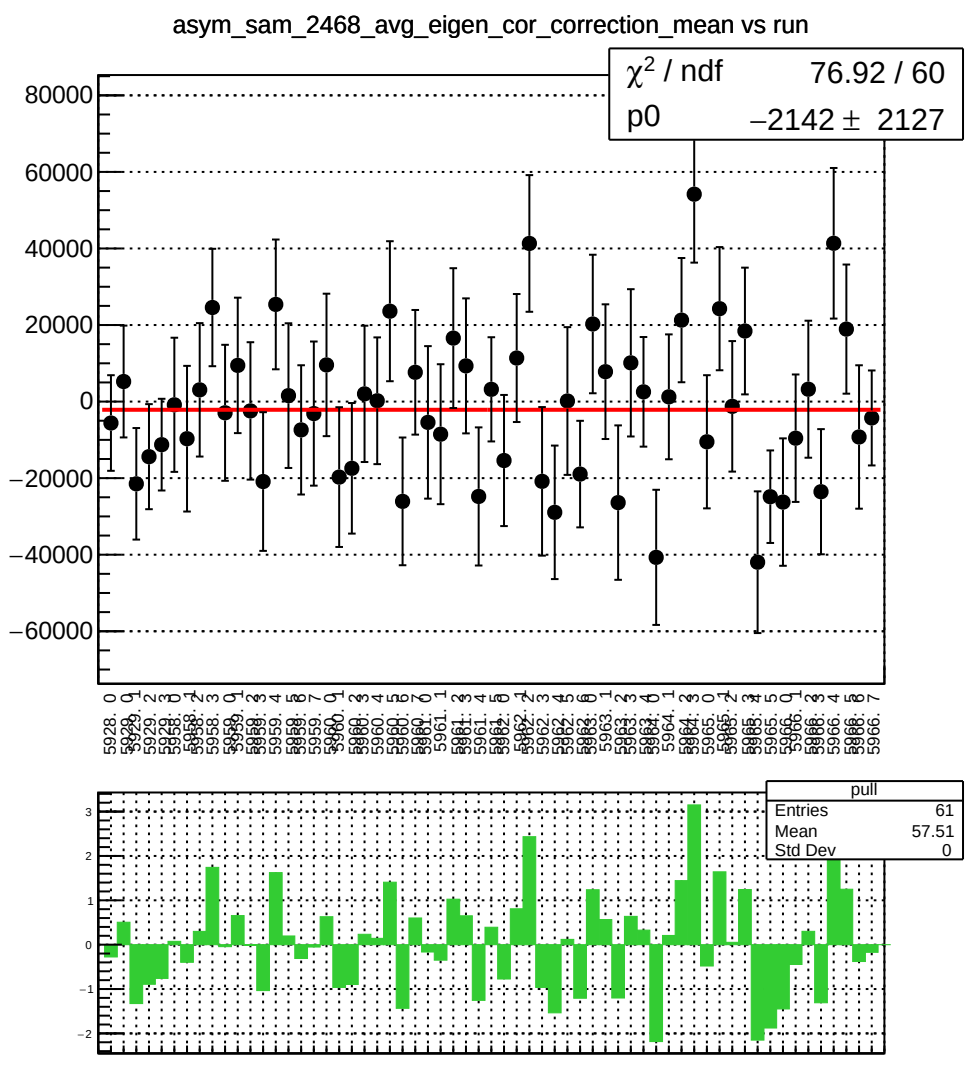

pull1D
Entries 61
Mean 0.0246
Std Dev 1.123

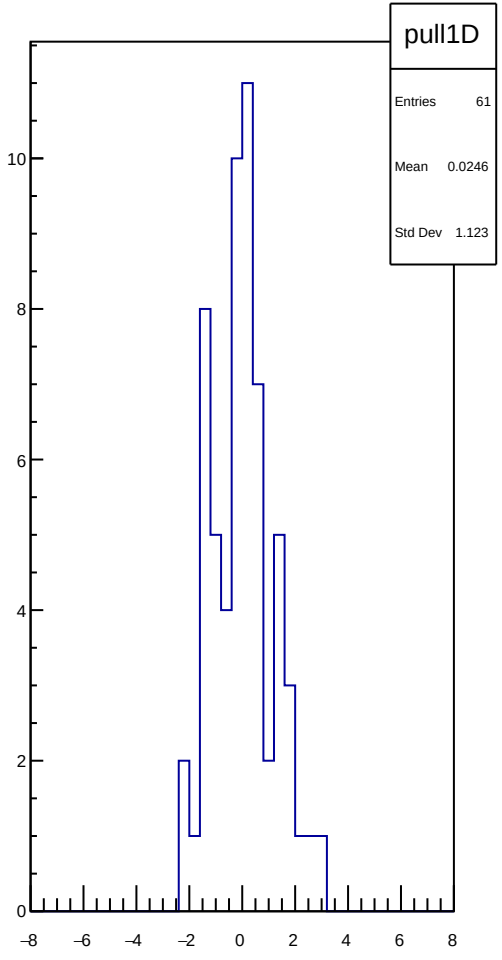

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 9692 / 60
p0 1636 ± 1.504
1900
1800
1700
1600
1500
1400
1300
1200

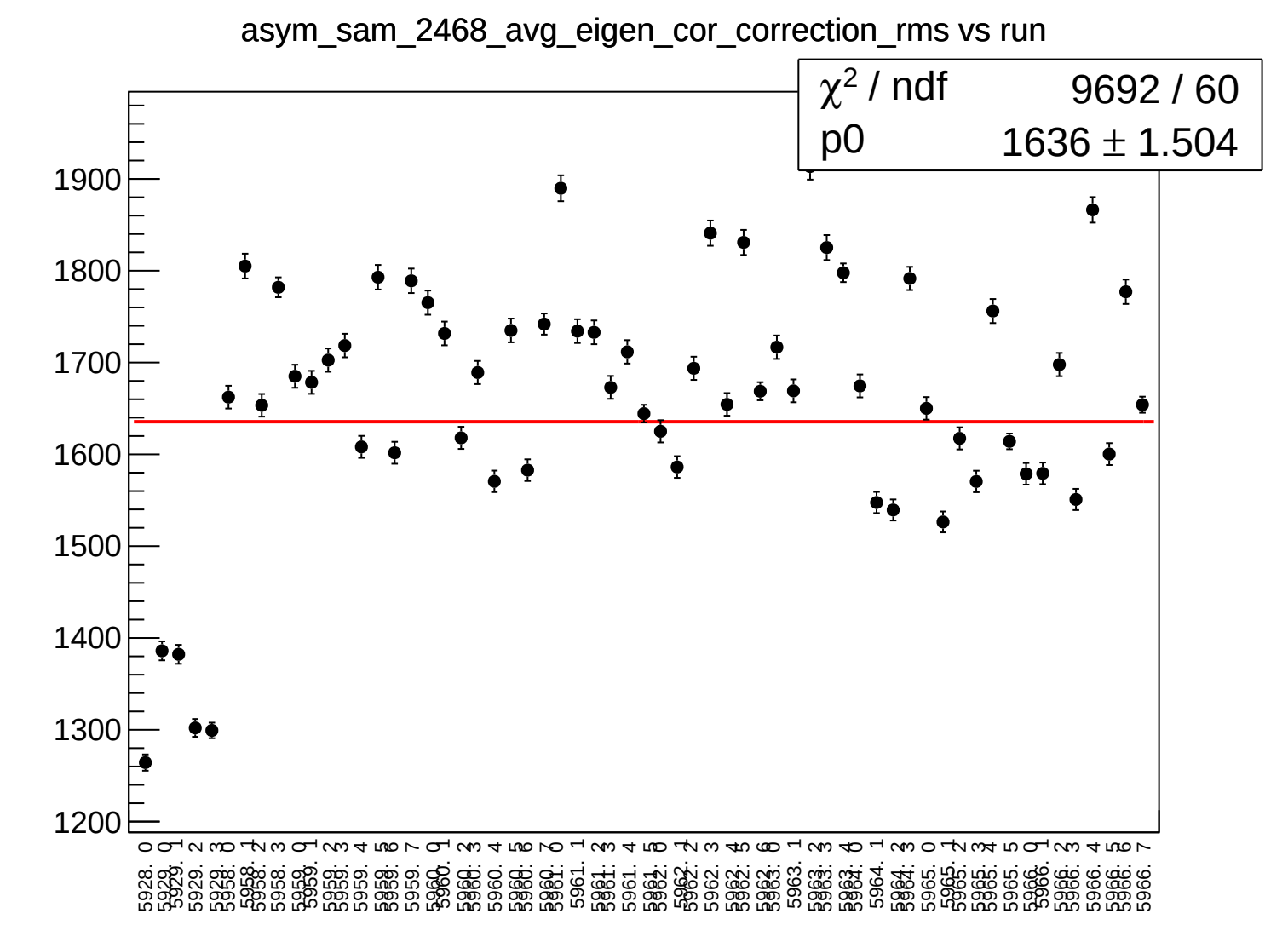

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 79.48 / 60
p0 50.53 ± 121
pull
Entries 61
Mean −129.6
Std Dev 0

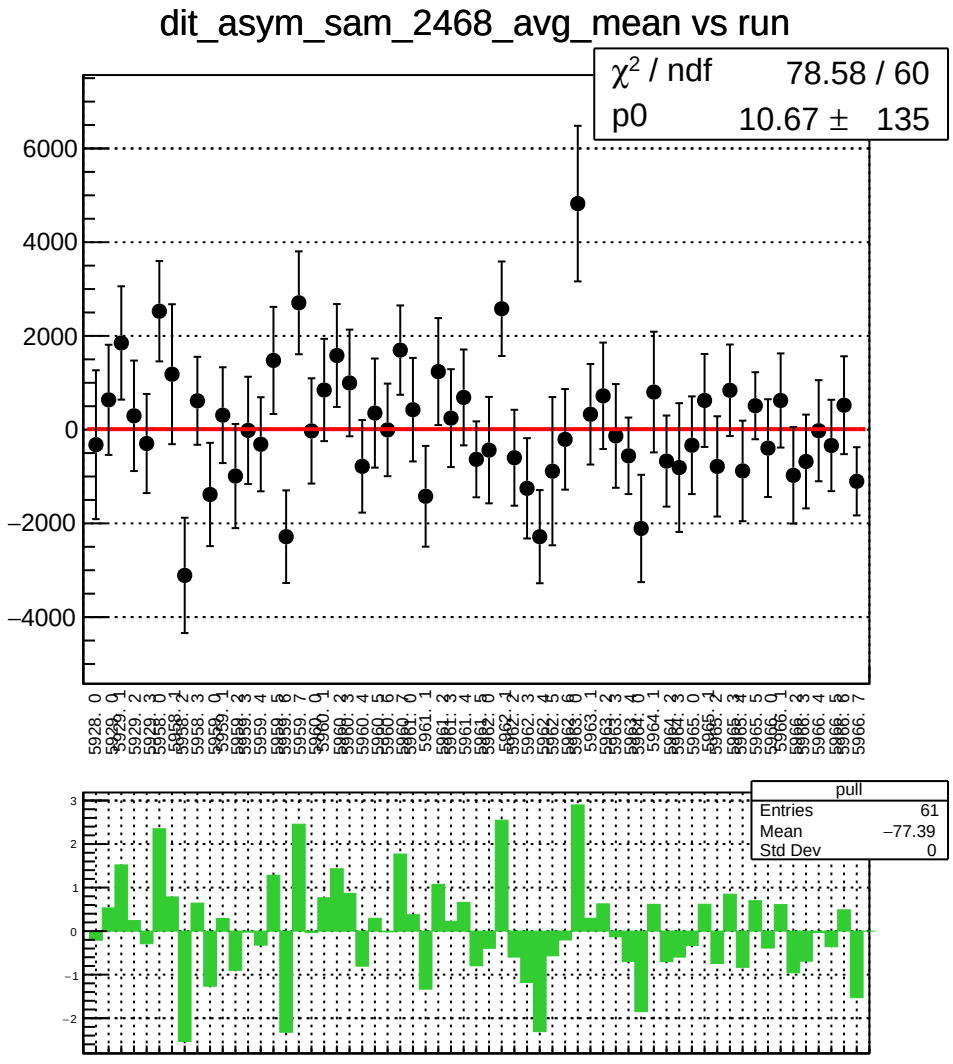

pull1D
Entries 61
Mean 0.01832
Std Dev 1.141

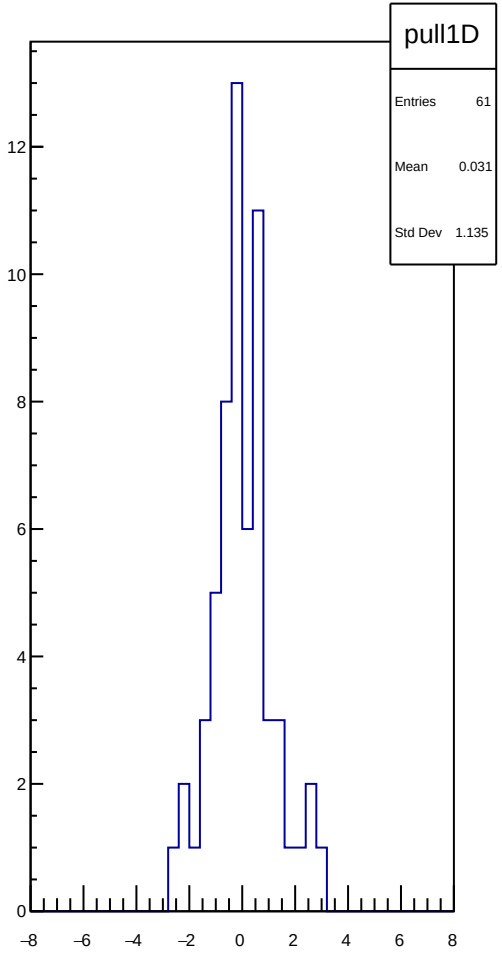

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.674e+04 / 60
p0 92.81 ± 0.08558
160
150
140
130
120
110
100
90
80

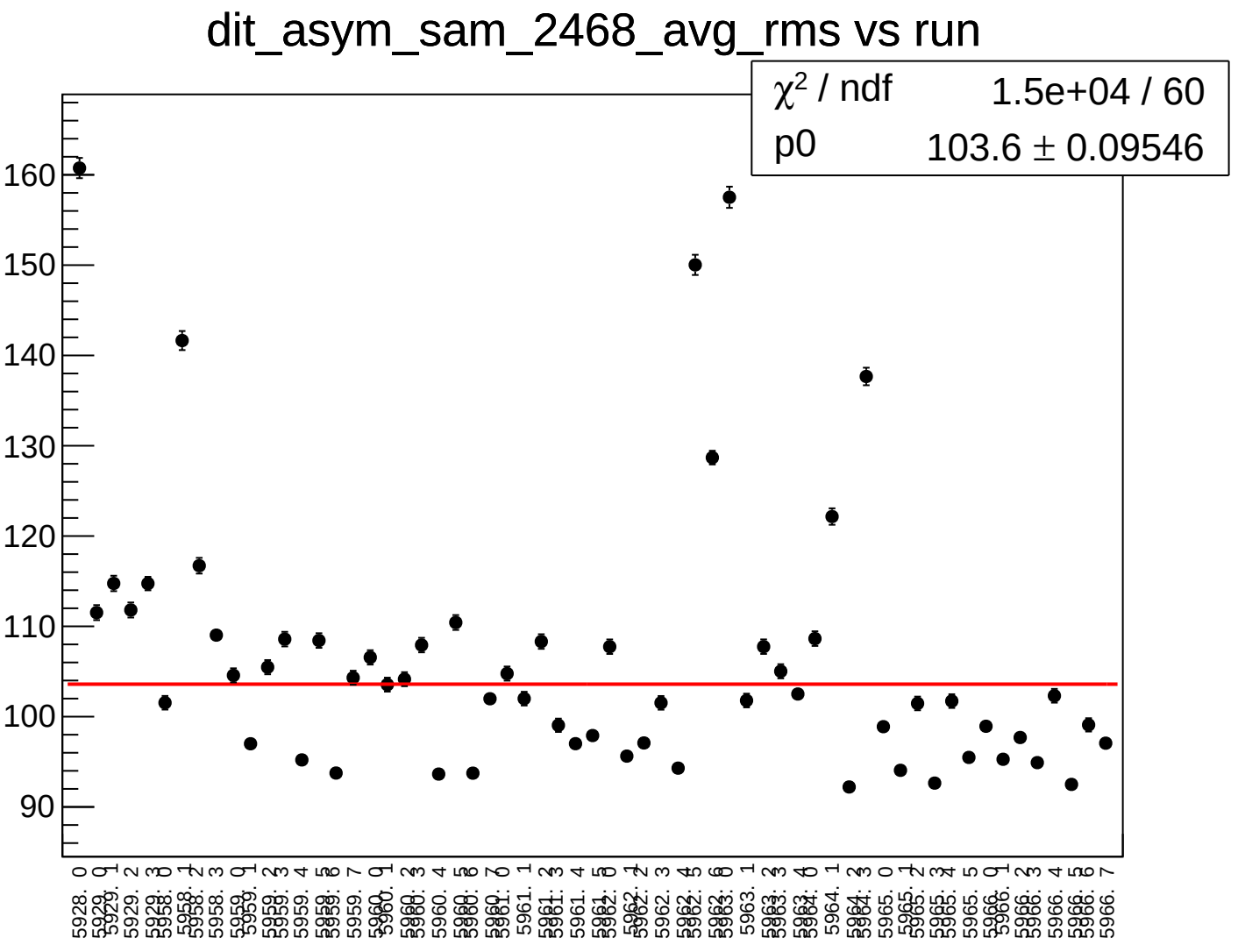

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.92 / 60
p0 −2142 ± 2127
pull
Entries 61
Mean 57.51
Std Dev 0

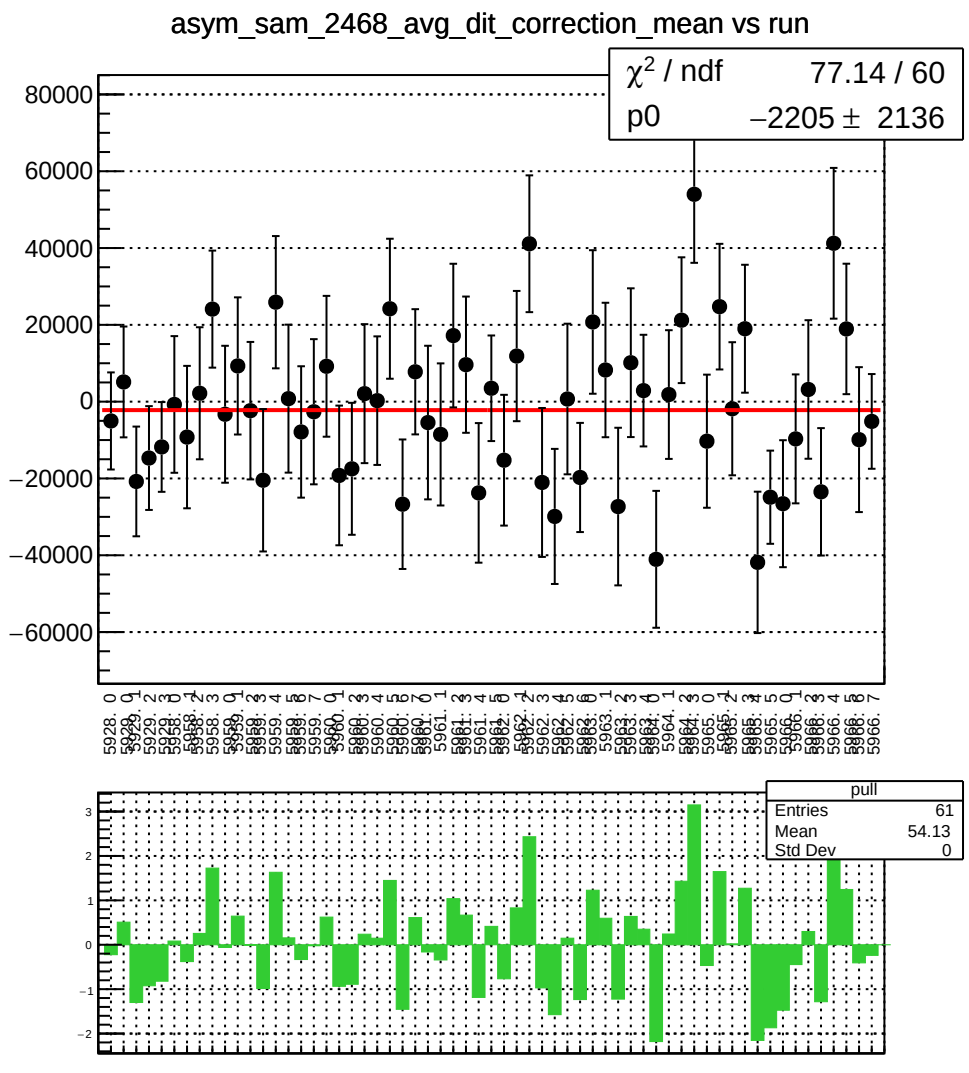

pull1D
Entries 61
Mean 0.0246
Std Dev 1.123

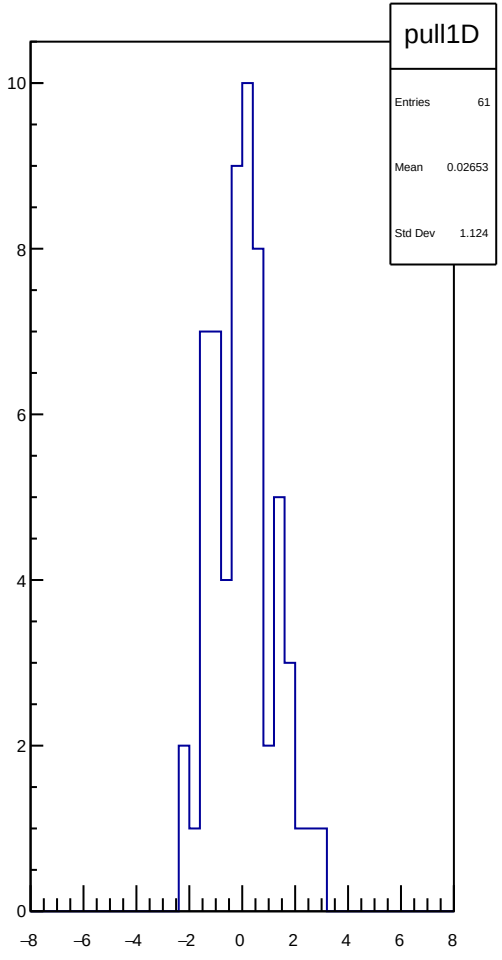

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 9692 / 60
p0 1636 ± 1.504
1900
1800
1700
1600
1500
1400
1300
1200

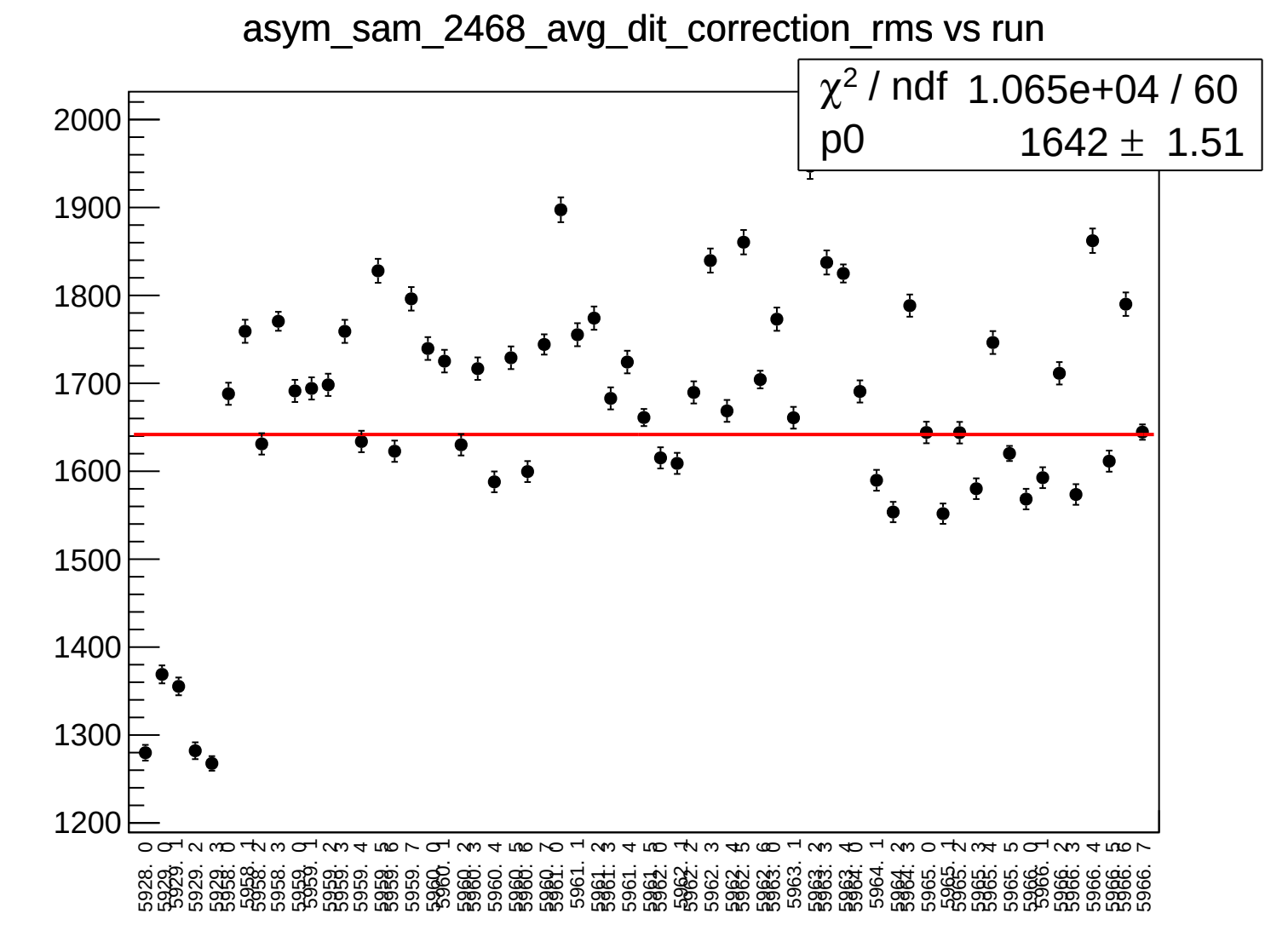

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.58 / 60
p0 10.67 ± 135
6000
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −77.39
Std Dev 0
3
2
1
0
−1
−2

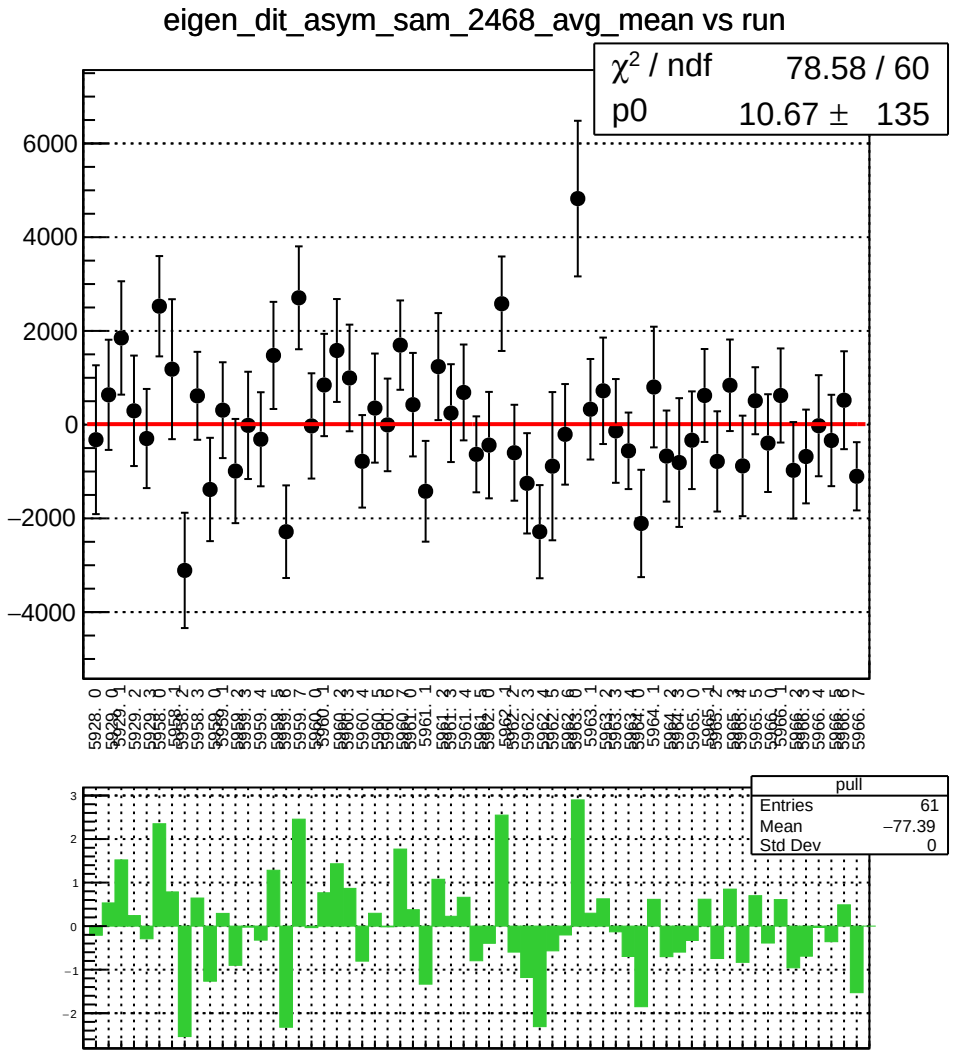

pull1D
Entries 61
Mean 0.031
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

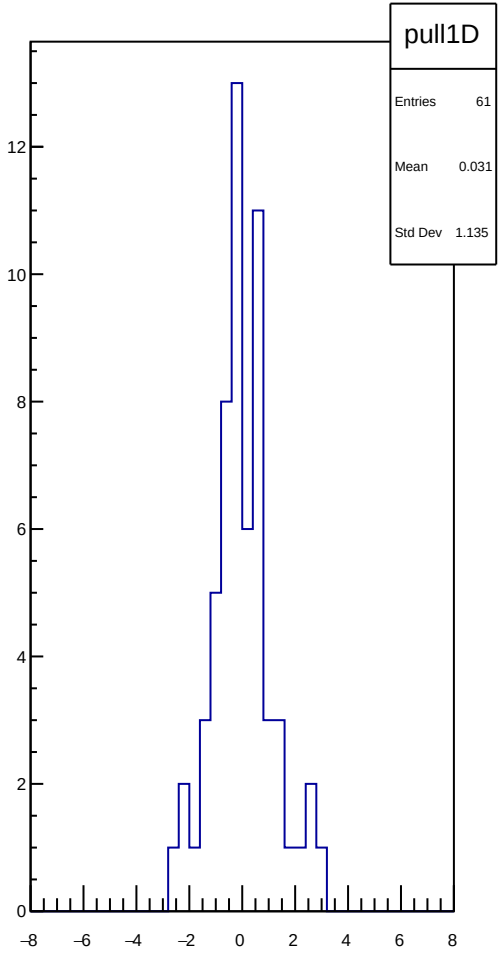

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.5e+04 / 60
p0 103.6 ± 0.09546
160
150
140
130
120
110
100
90

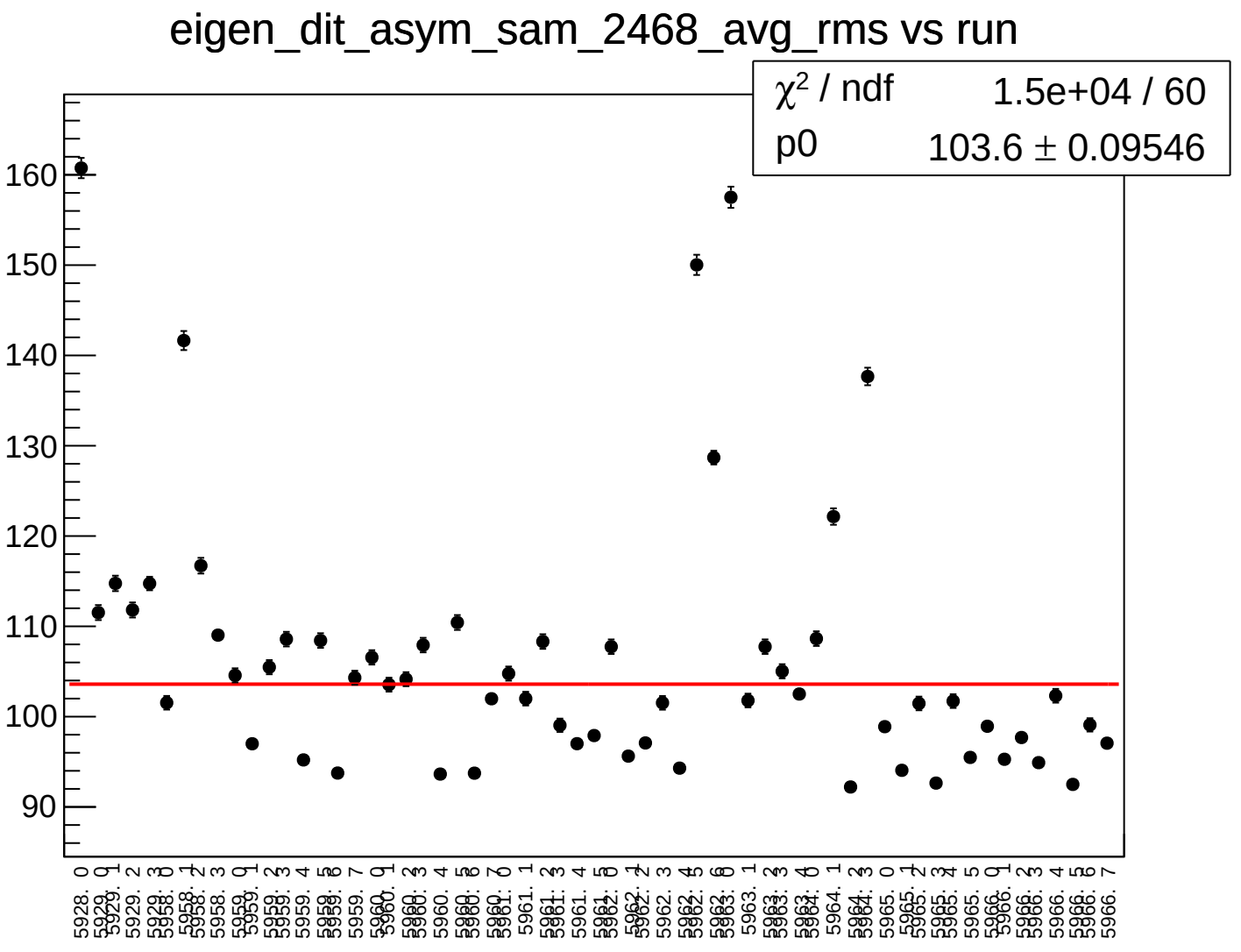

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 77.14 / 60
p0 −2205 ± 2136
pull
Entries 61
Mean 54.13
Std Dev 0

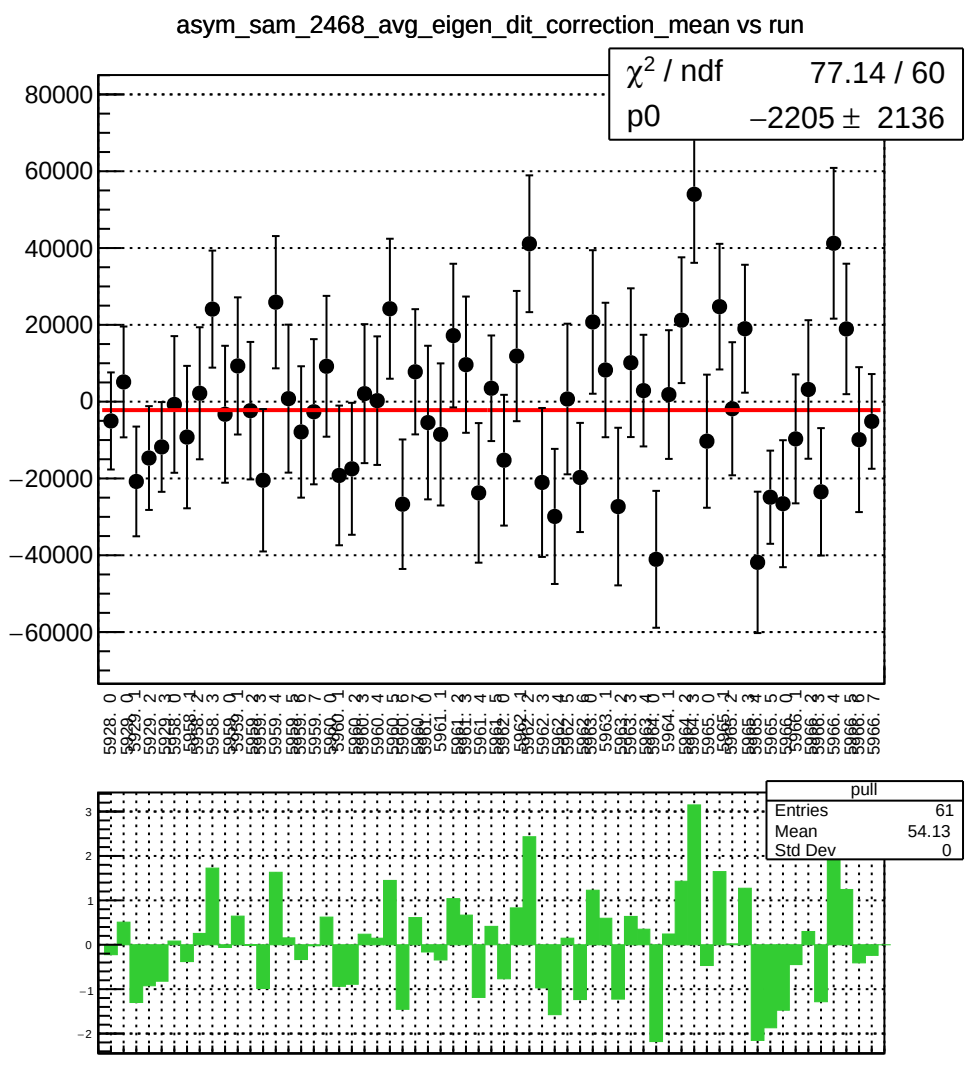

pull1D
Entries 61
Mean 0.02653
Std Dev 1.124

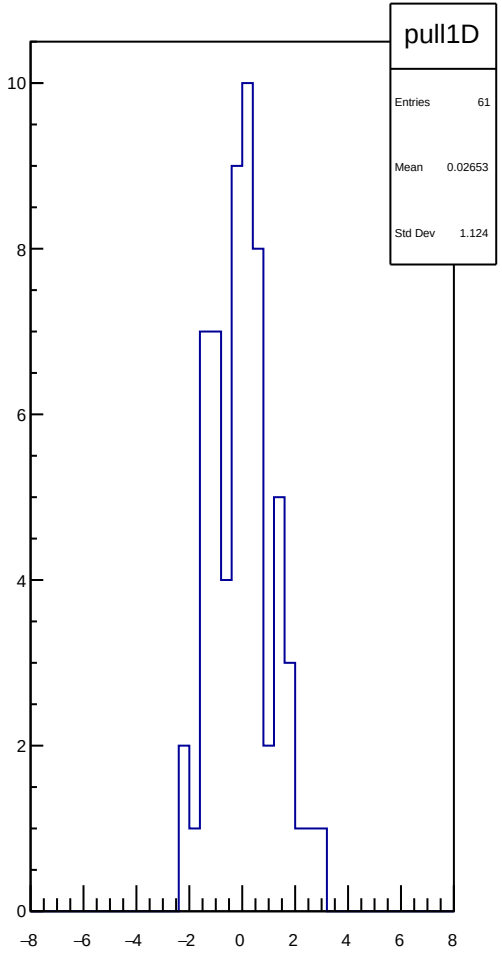

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1.065e+04 / 60
p0 1642 ± 1.51
2000
1900
1800
1700
1600
1500
1400
1300
1200

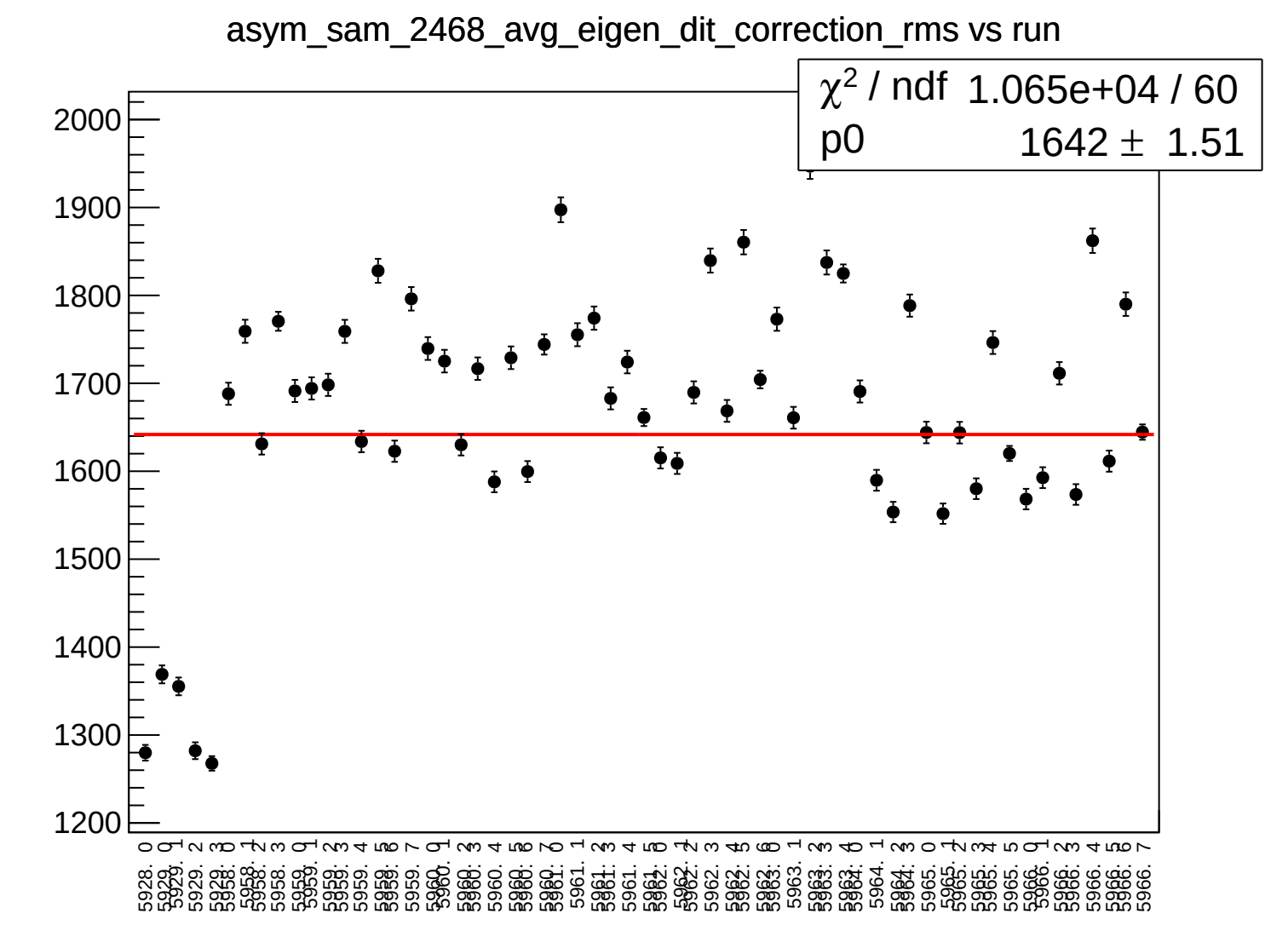

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.58 / 60
p0 10.67 ± 135
6000
4000
2000
0
−2000
−4000
pull
Entries 61
Mean −77.39
Std Dev 0
3
2
1
0
−1
−2

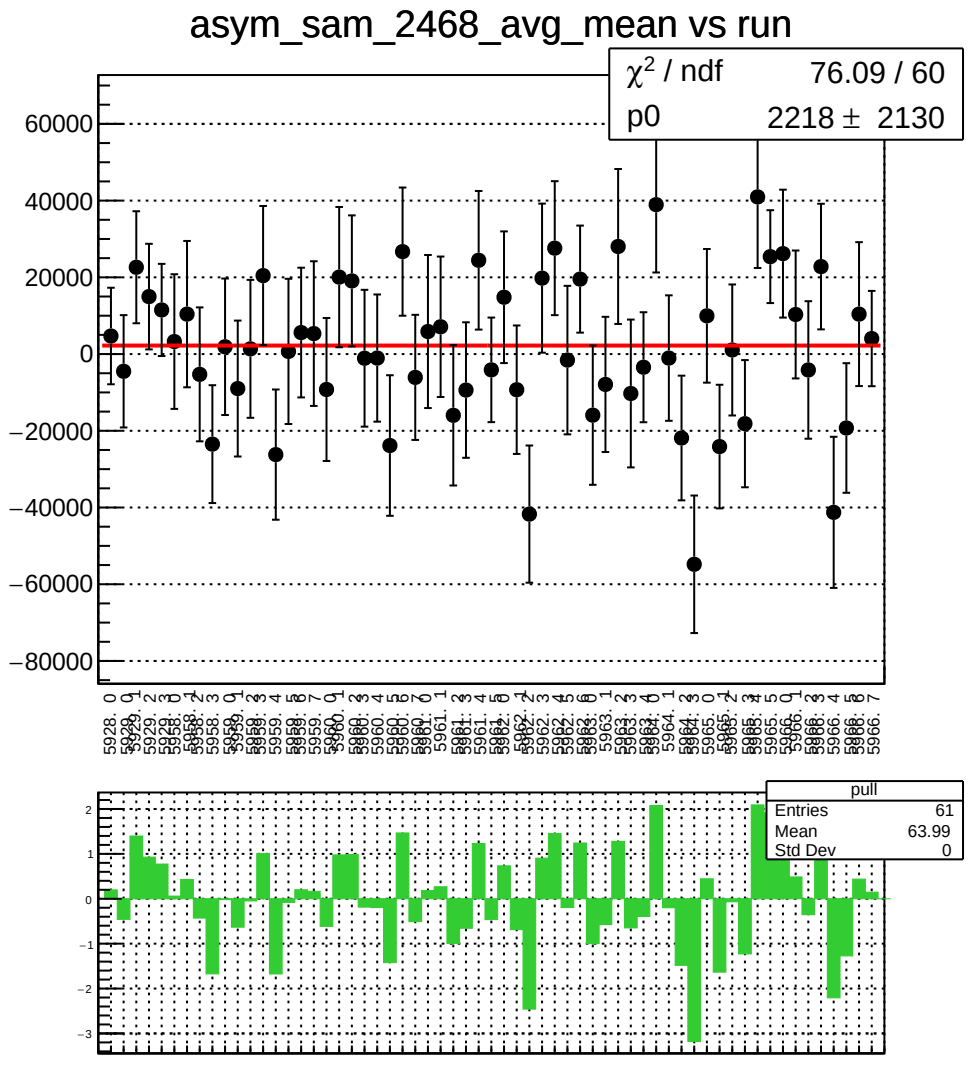

pull1D
Entries 61
Mean 0.031
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

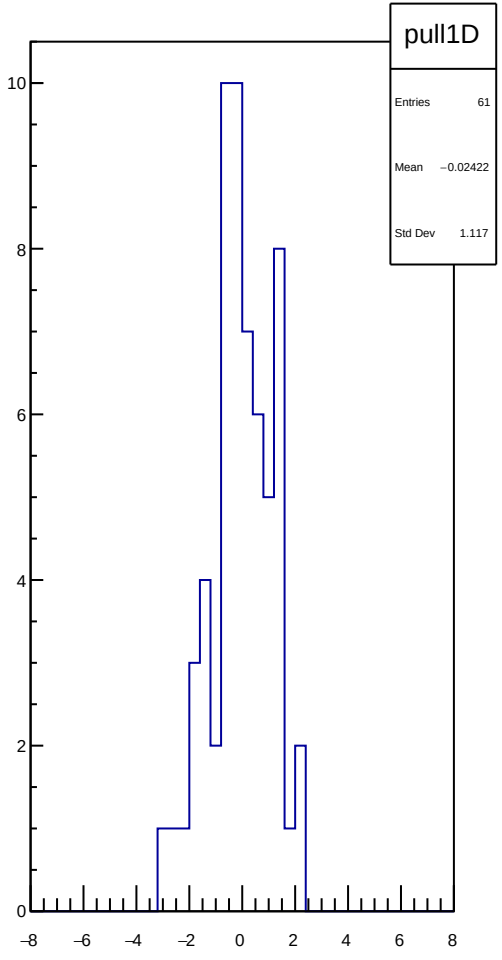

eigen_dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.5e+04 / 60
p0 103.6 ± 0.09546
160
150
140
130
120
110
100
90

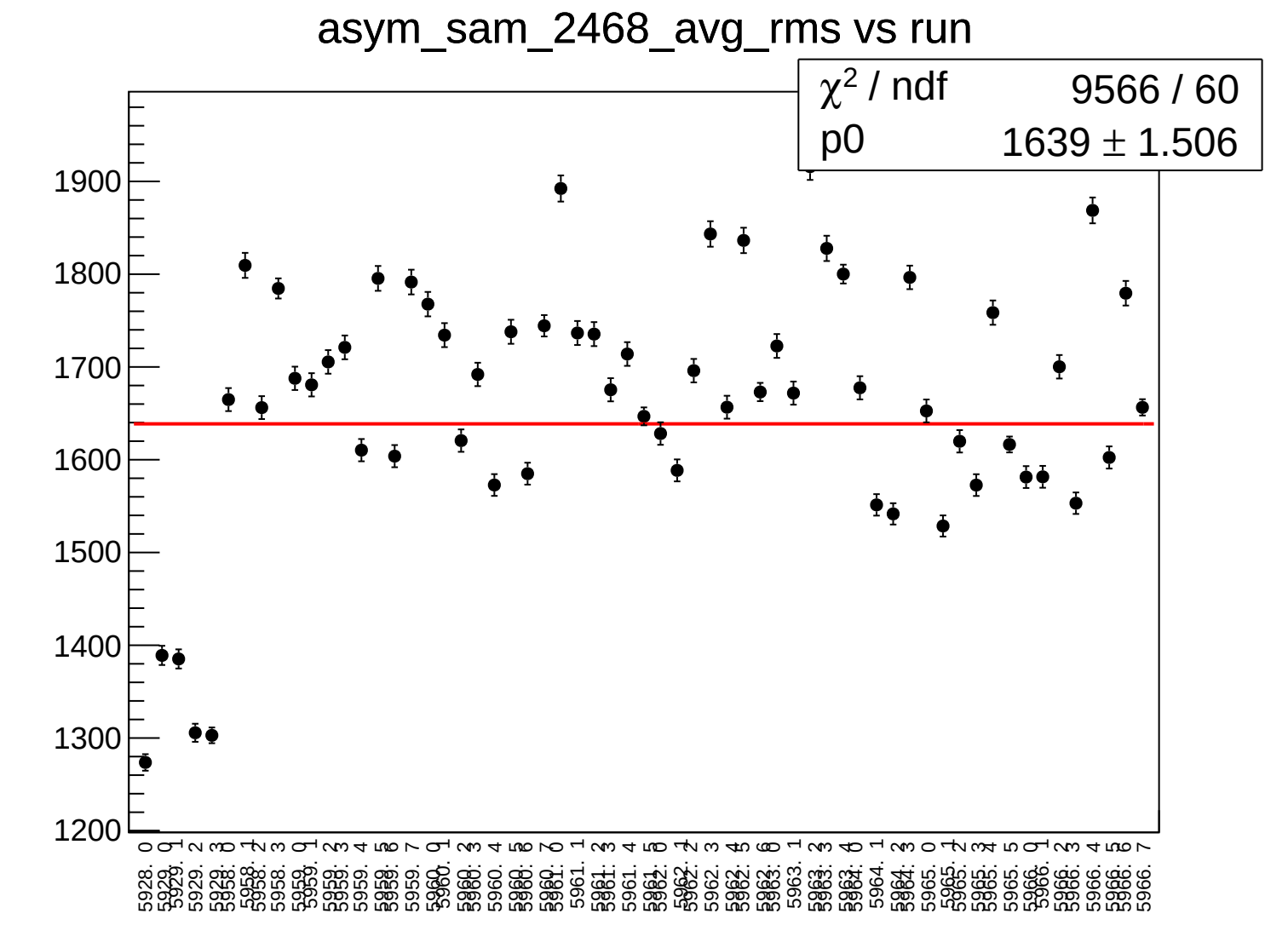

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 77.14 / 60
p0 −2205 ± 2136
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 54.13
Std Dev 0
3
2
1
0
−1
−2

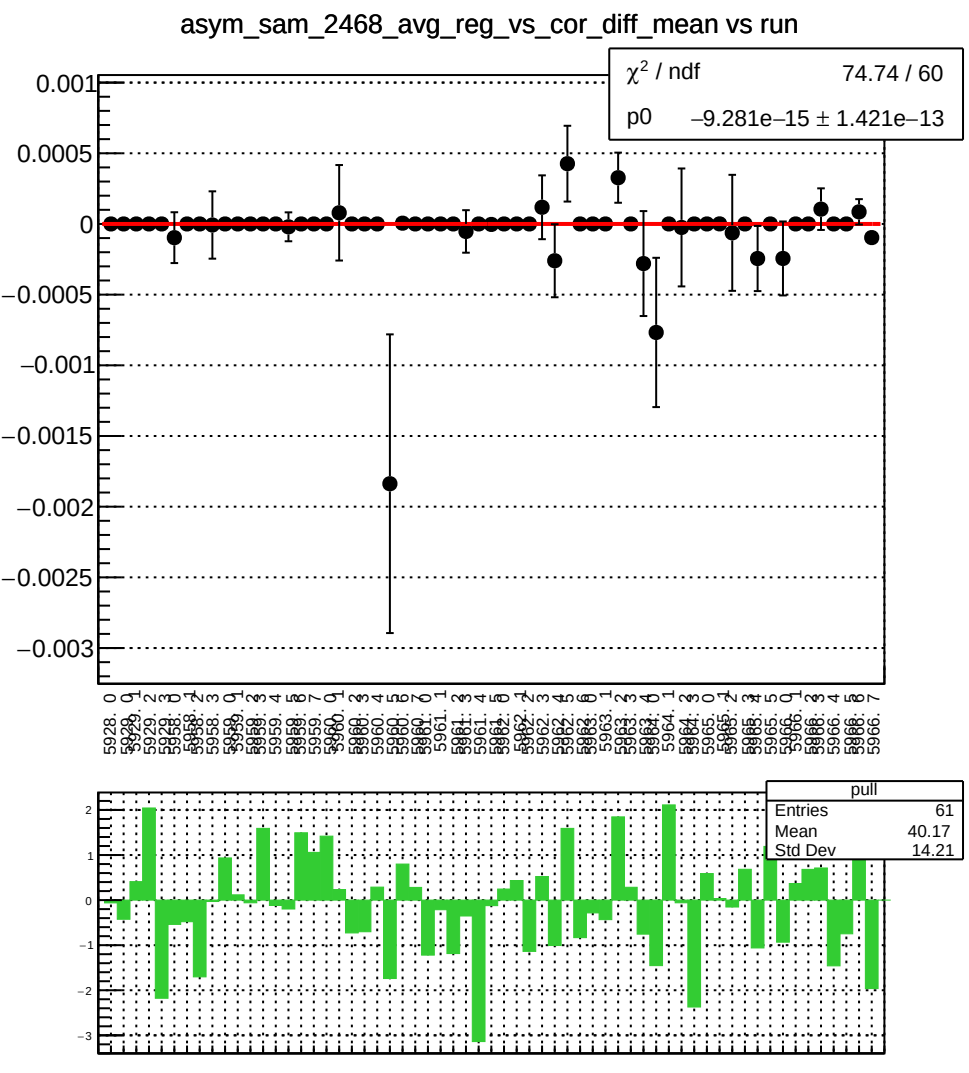

pull1D
Entries 61
Mean 0.02653
Std Dev 1.124
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

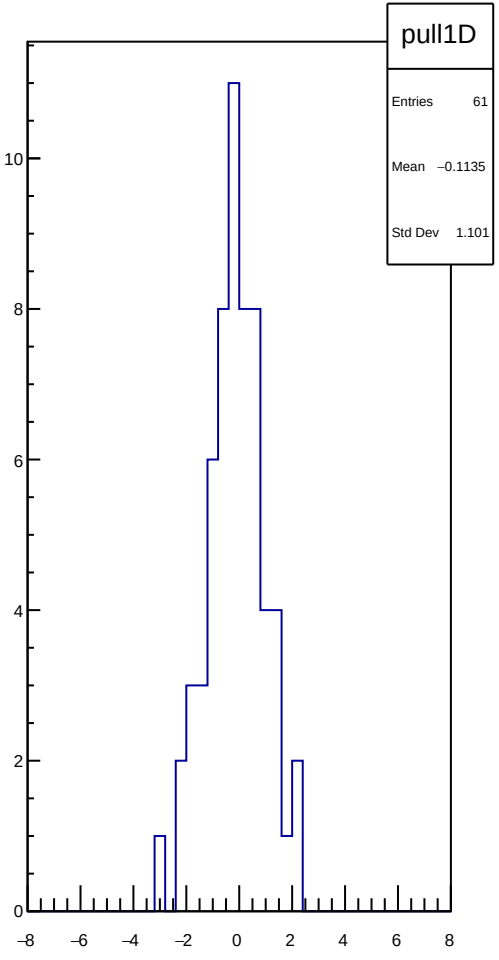

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.065e+04 / 60
p0 1642 ± 1.51
2000
1900
1800
1700
1600
1500
1400
1300
1200

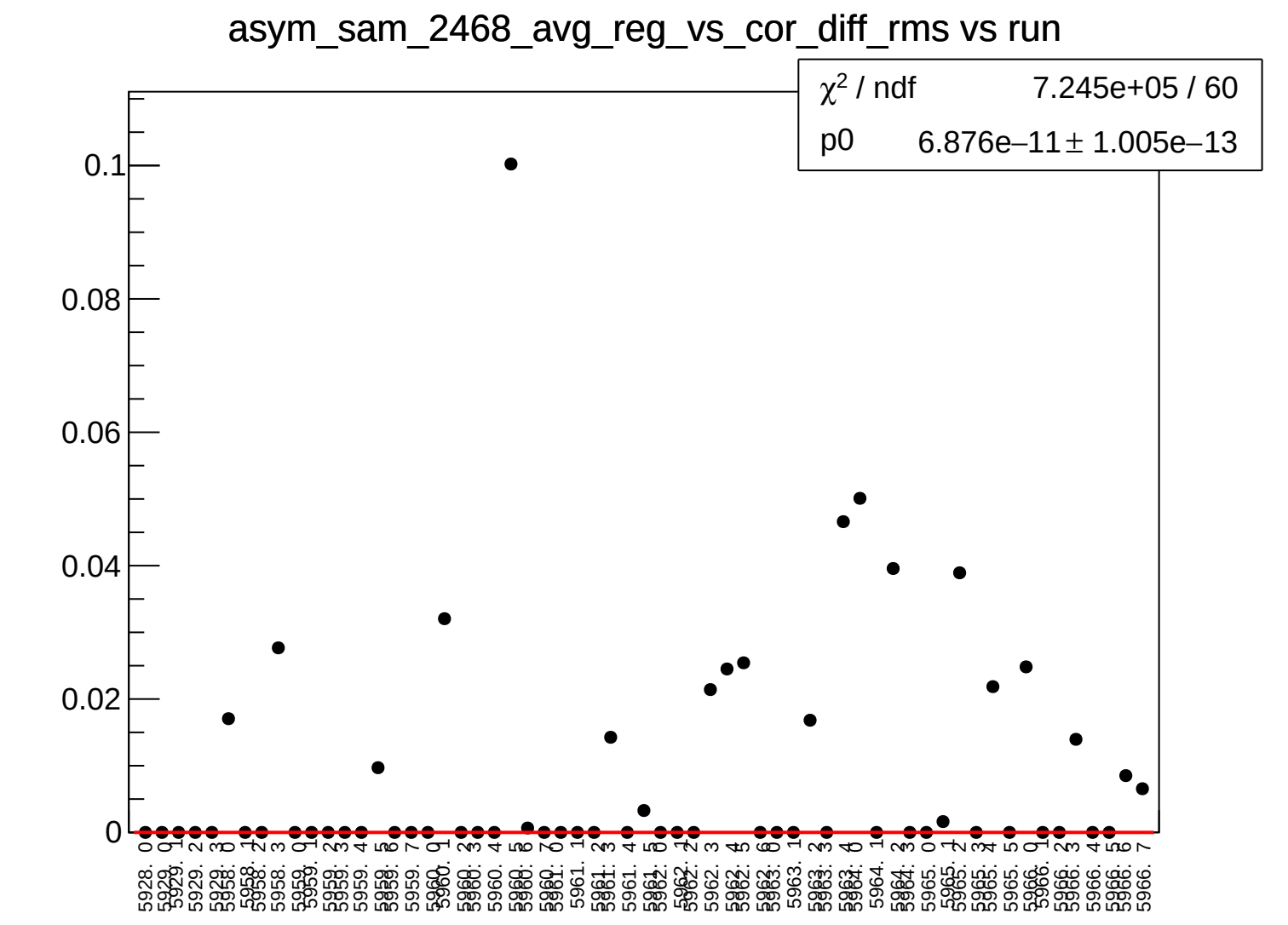

asym_sam_2468_avg_mean vs run
χ² / ndf 76.09 / 60
p0 2218 ± 2130
pull
Entries 61
Mean 63.99
Std Dev 0

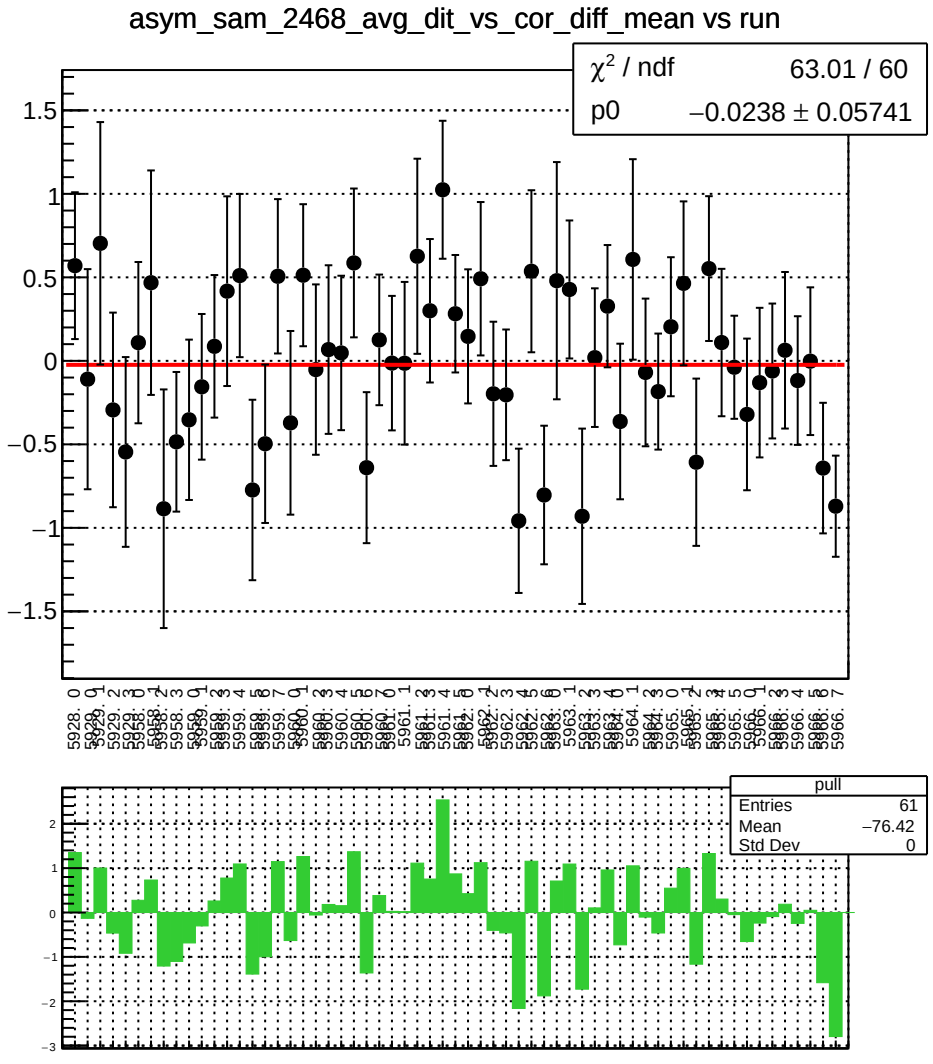

pull1D
Entries 61
Mean −0.02422
Std Dev 1.117

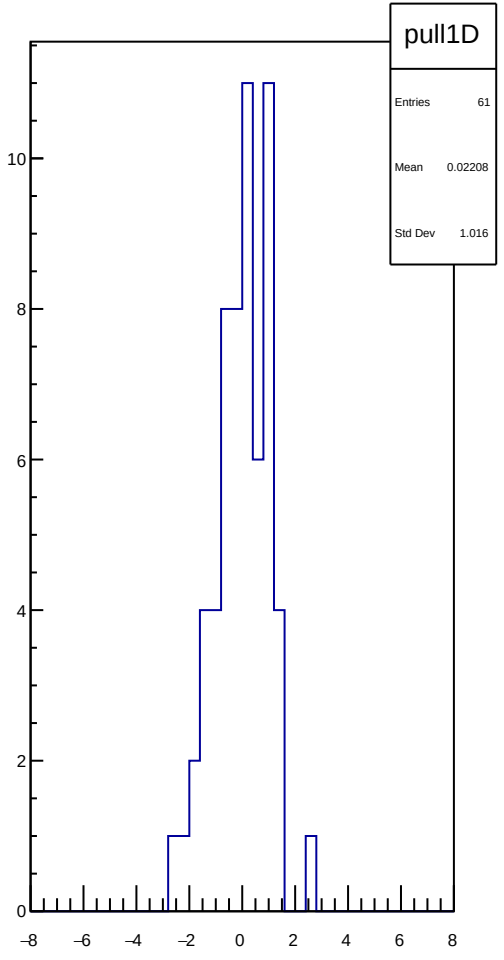

asym_sam_2468_avg_rms vs run
χ² / ndf 9566 / 60
p0 1639 ± 1.506
1900
1800
1700
1600
1500
1400
1300
1200

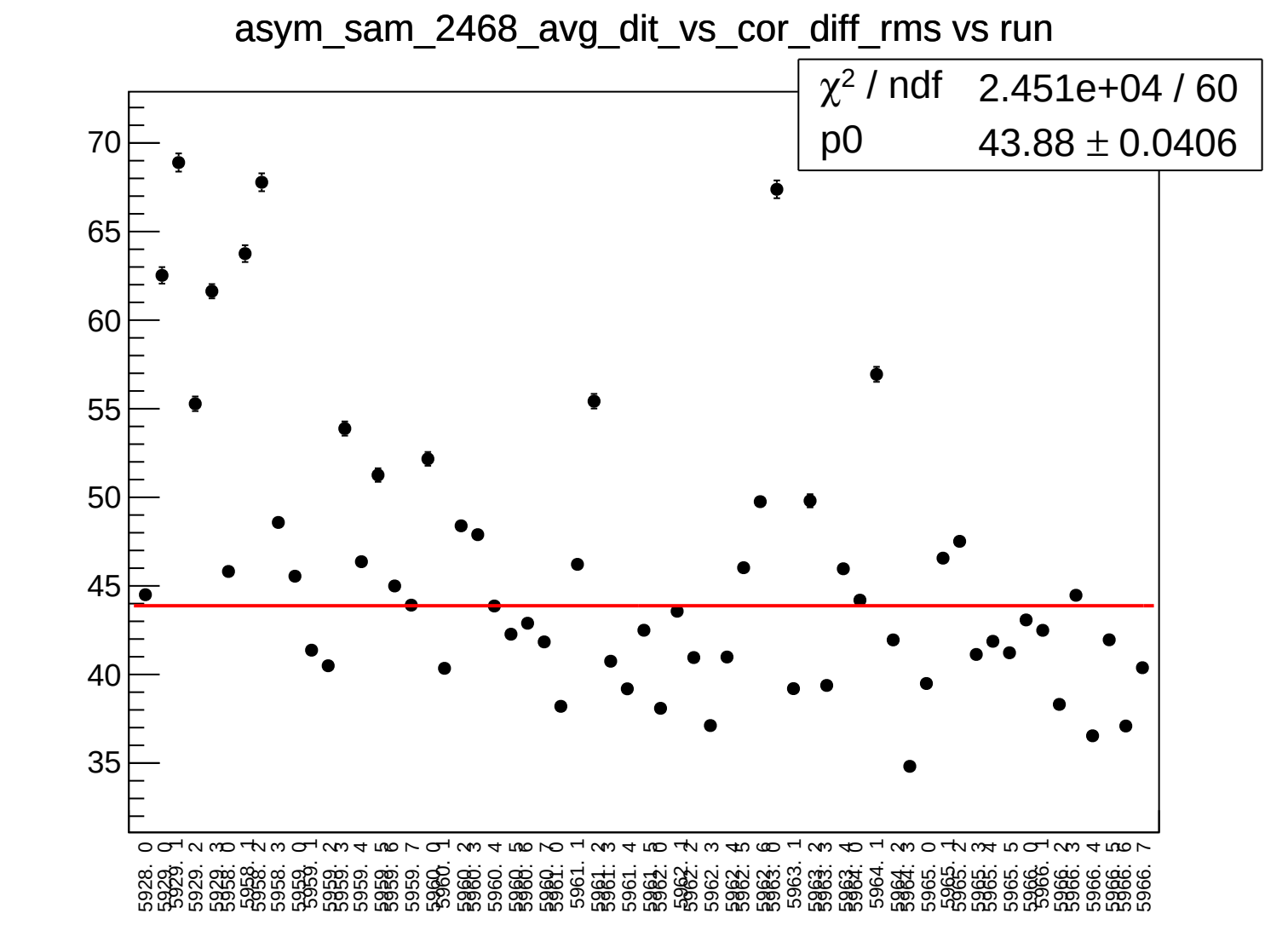

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.74 / 60
p0 −9.281e−15 ± 1.421e−13
pull
Entries 61
Mean 40.17
Std Dev 14.21

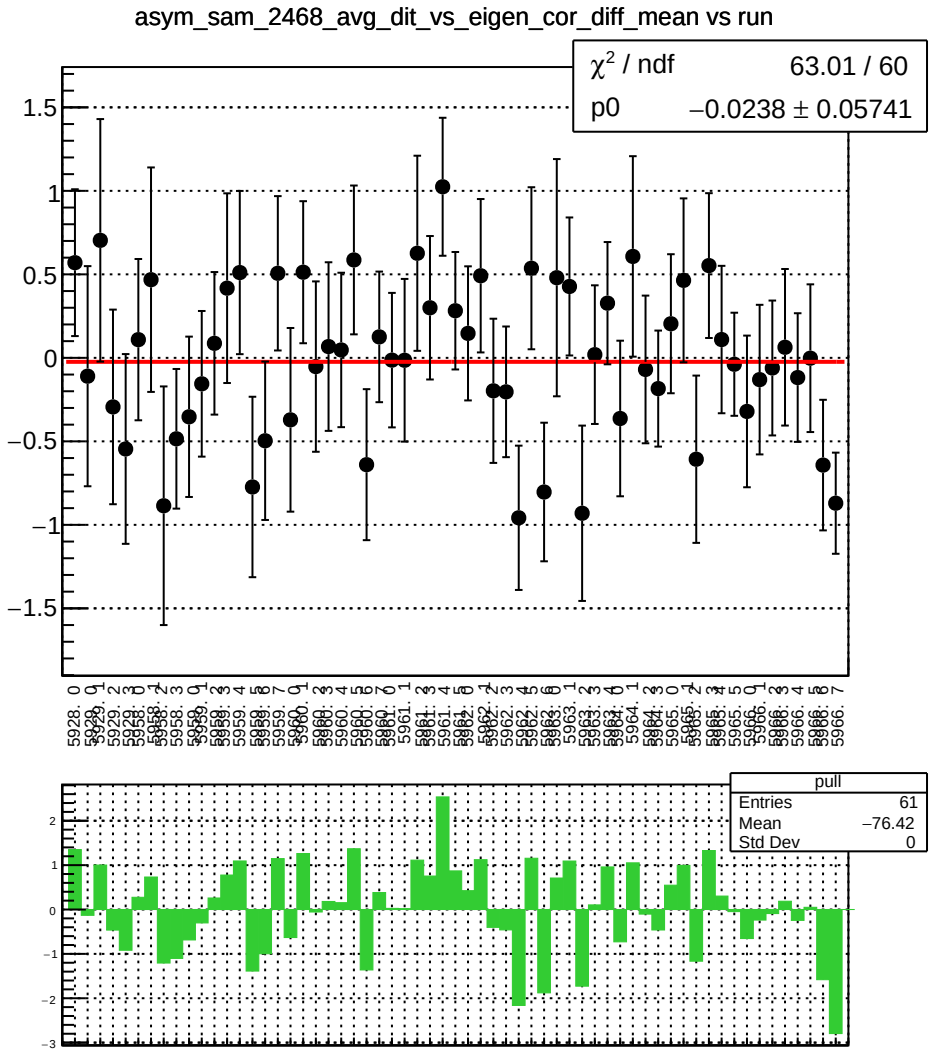

pull1D
Entries 61
Mean −0.1135
Std Dev 1.101

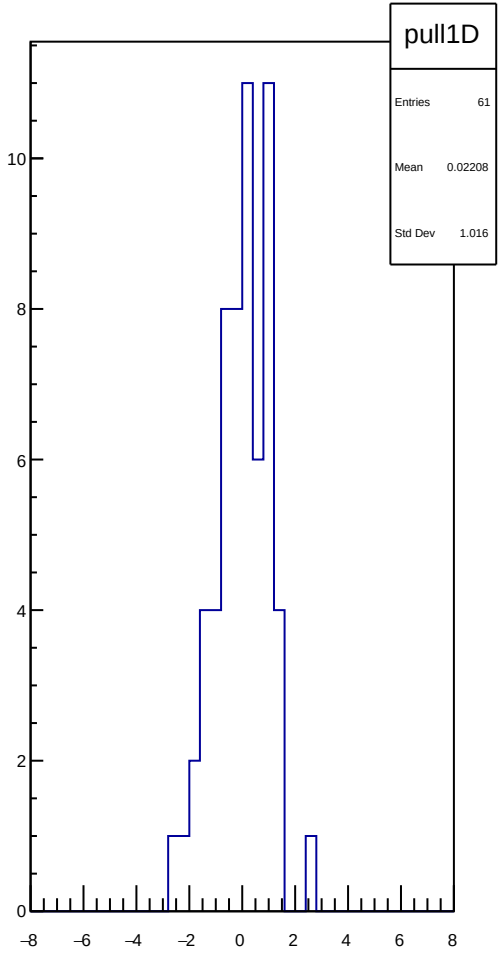

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.245e+05 / 60
p0 6.876e−11 ± 1.005e−13
0.1
0.08
0.06
0.04
0.02
0

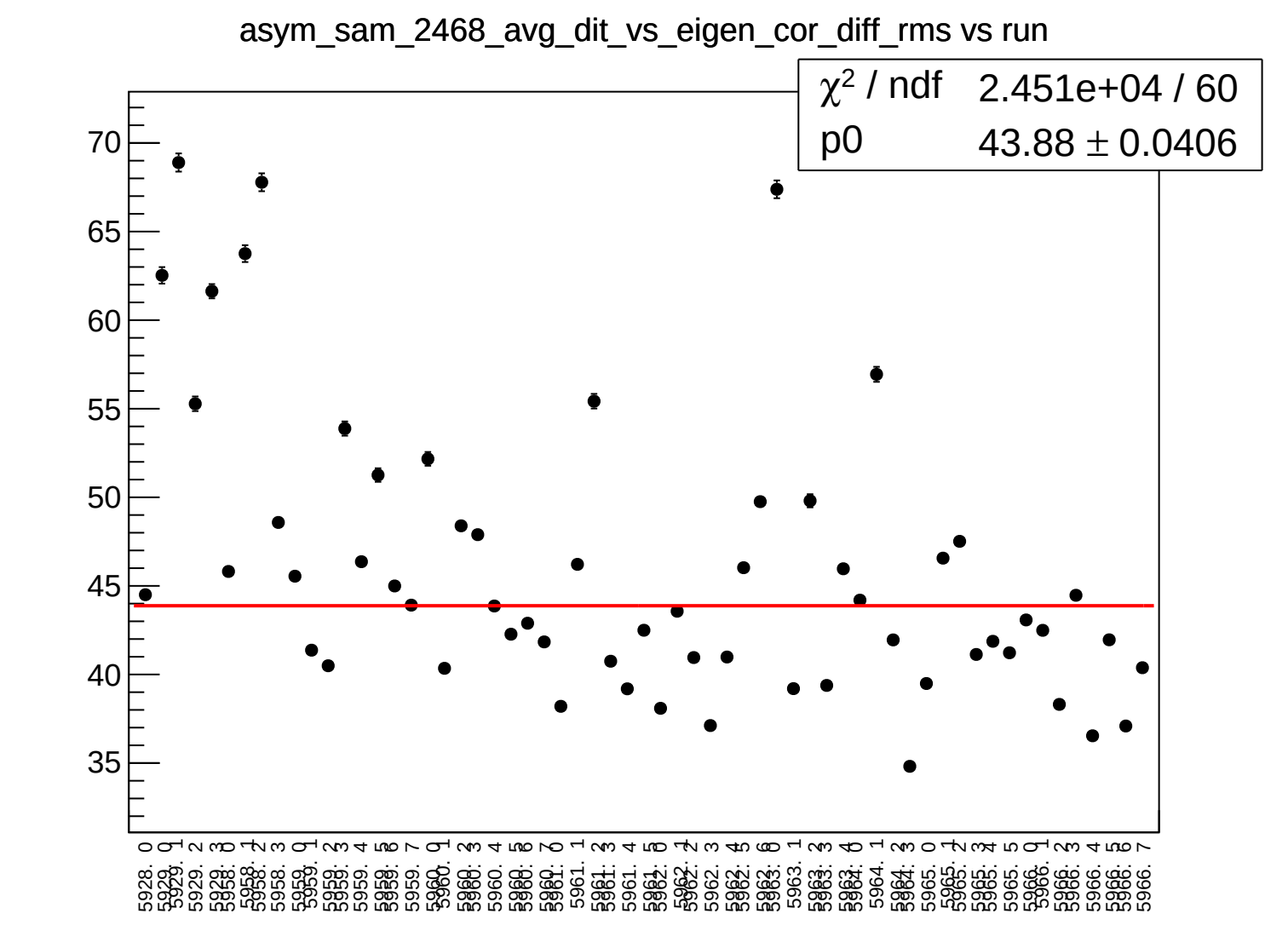

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.01 / 60
p0 −0.0238 ± 0.05741
pull
Entries 61
Mean −76.42
Std Dev 0

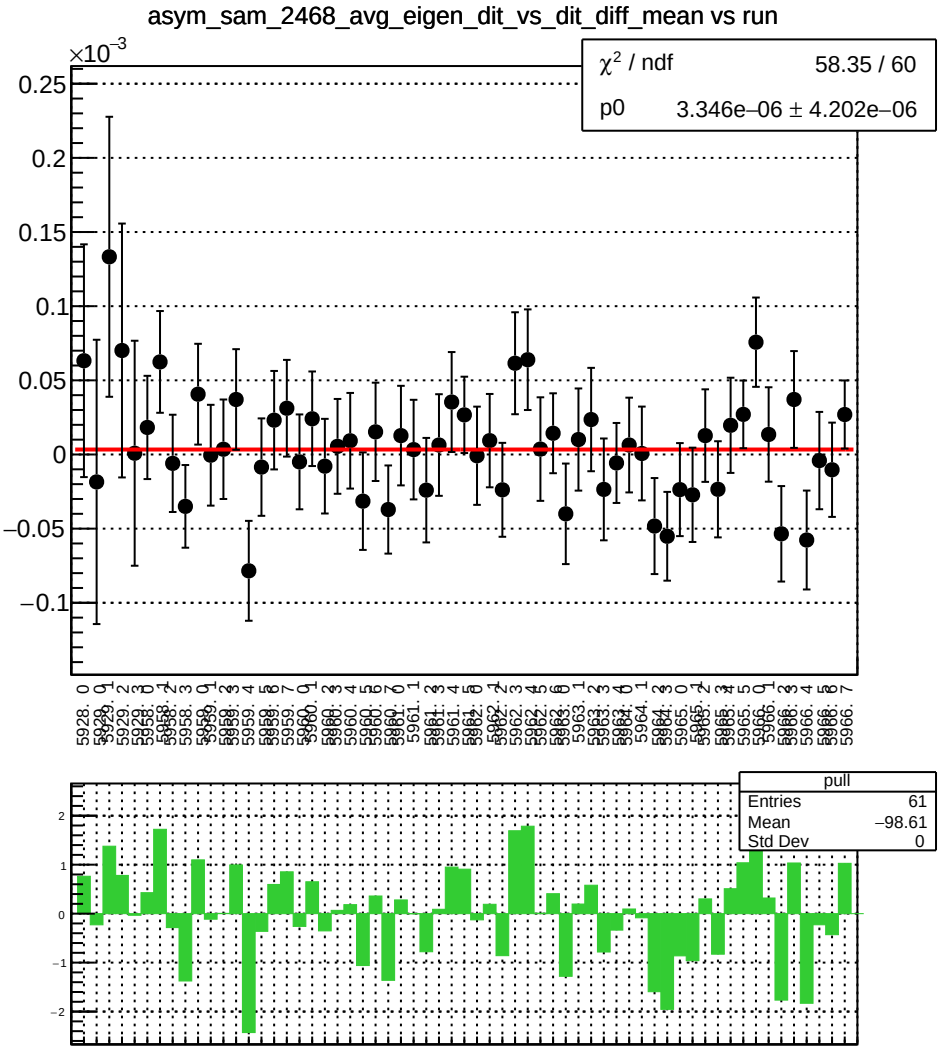

pull1D
Entries 61
Mean 0.02208
Std Dev 1.016

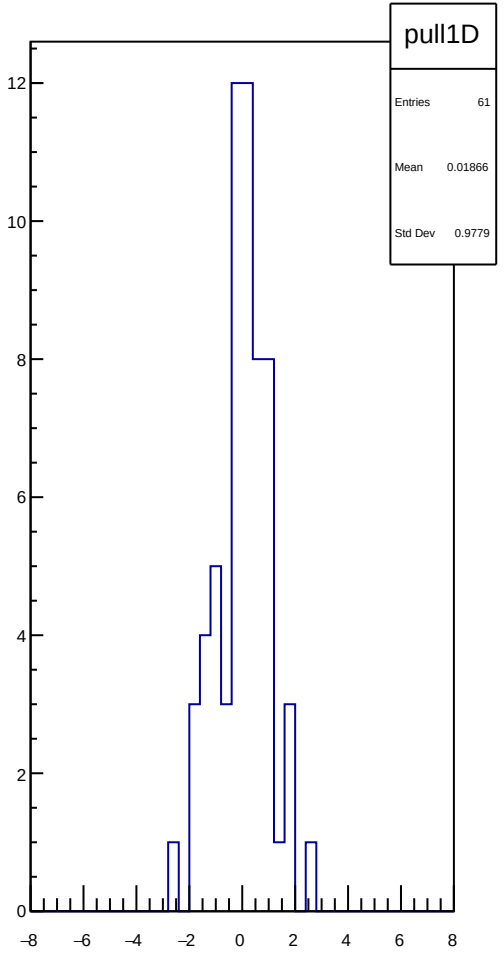

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.451e+04 / 60
p0 43.88 ± 0.0406
70
65
60
55
50
45
40
35

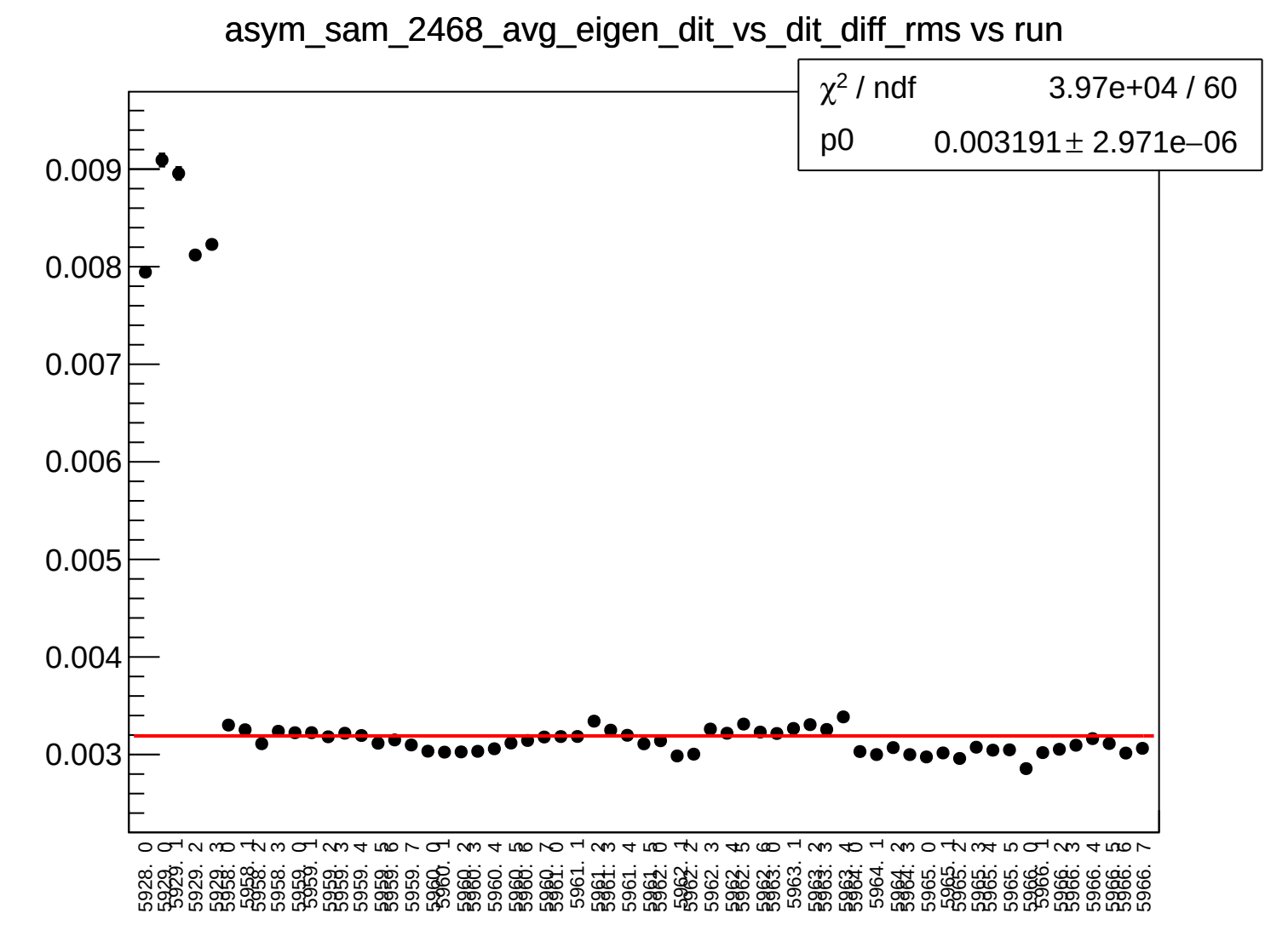

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.01 / 60
p0 −0.0238 ± 0.05741
pull
Entries 61
Mean −76.42
Std Dev 0

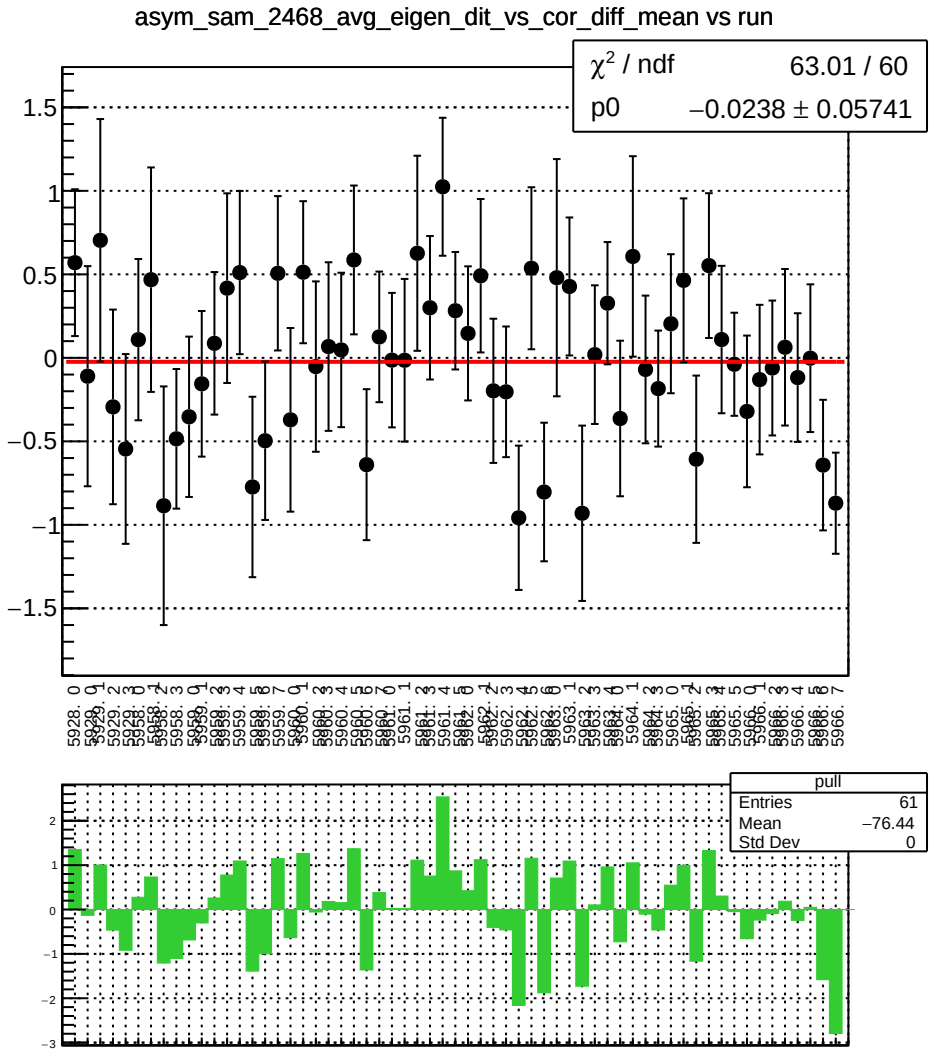

pull1D
Entries 61
Mean 0.02208
Std Dev 1.016

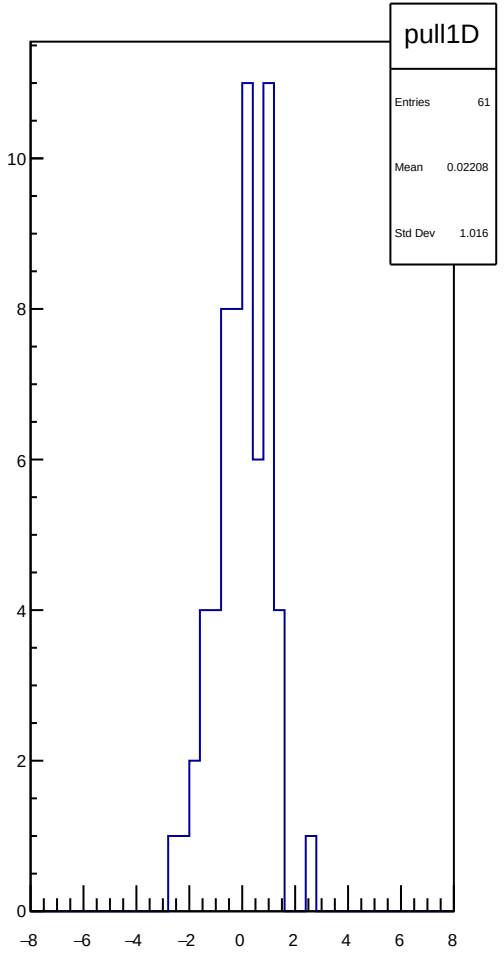

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.451e+04 / 60
p0 43.88 ± 0.0406
70
65
60
55
50
45
40
35

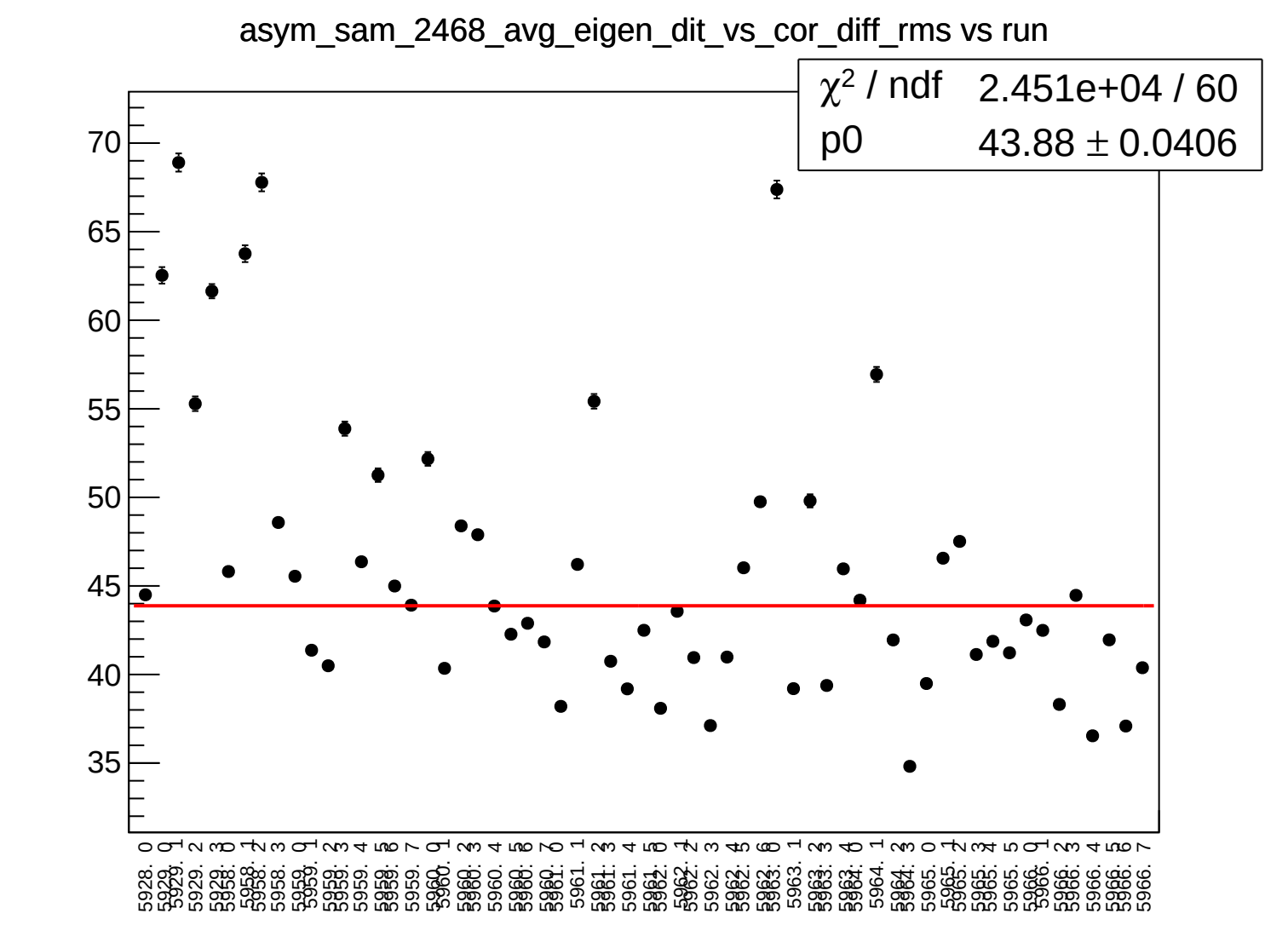

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.35 / 60
p0 3.346e−06 ± 4.202e−06
pull
Entries 61
Mean −98.61
Std Dev 0

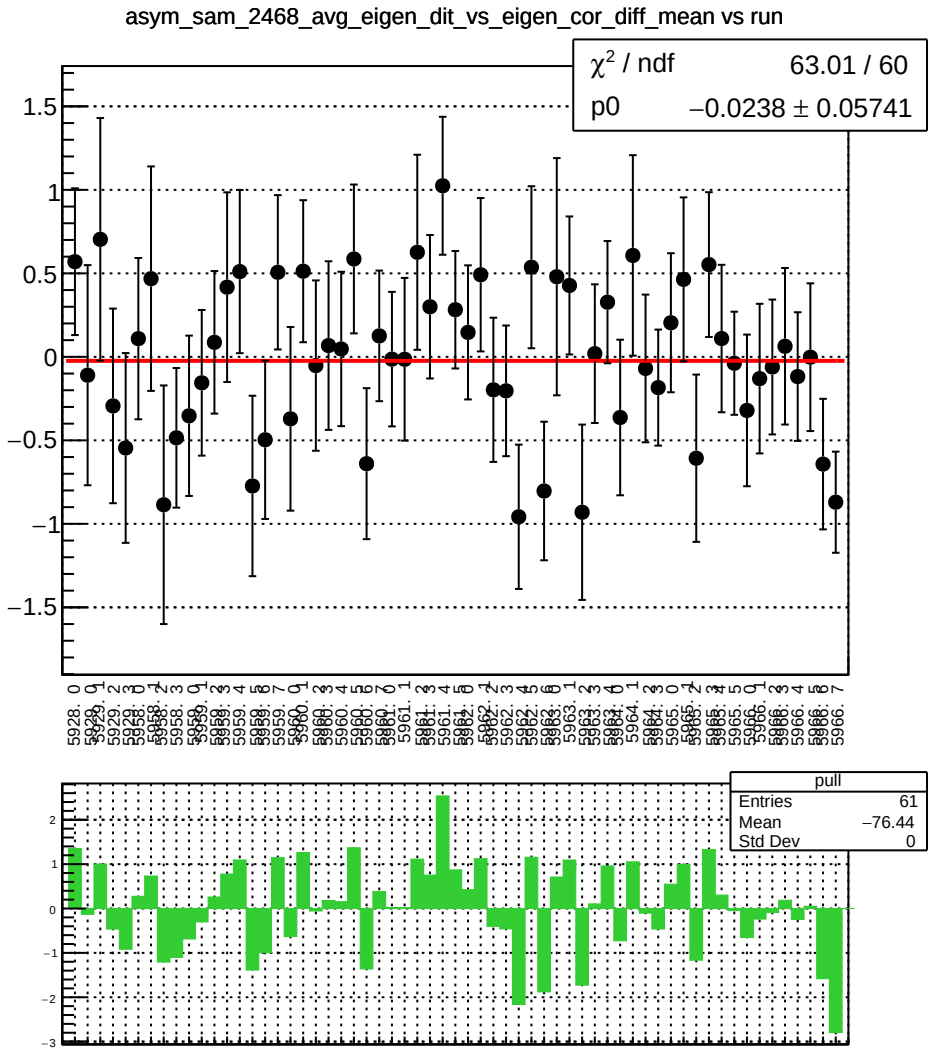

pull1D
Entries 61
Mean 0.01866
Std Dev 0.9779

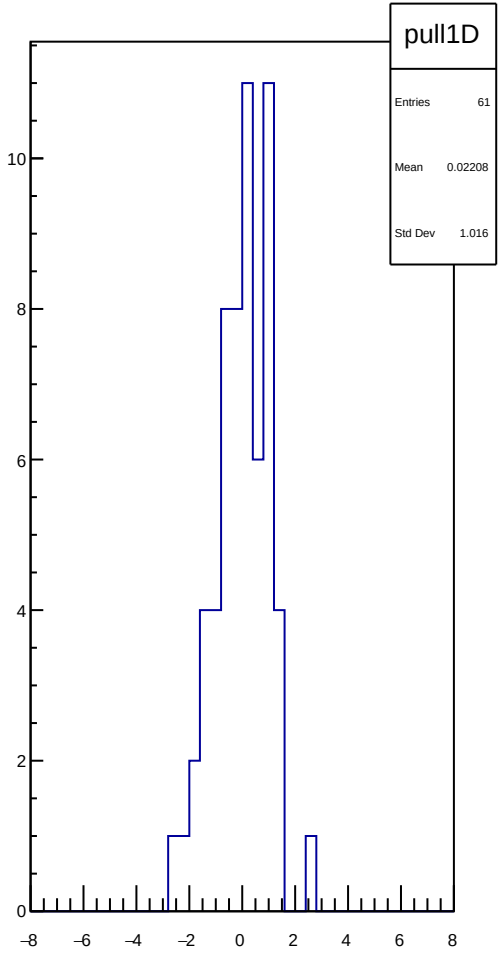

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.97e+04 / 60
p0 0.003191 ± 2.971e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

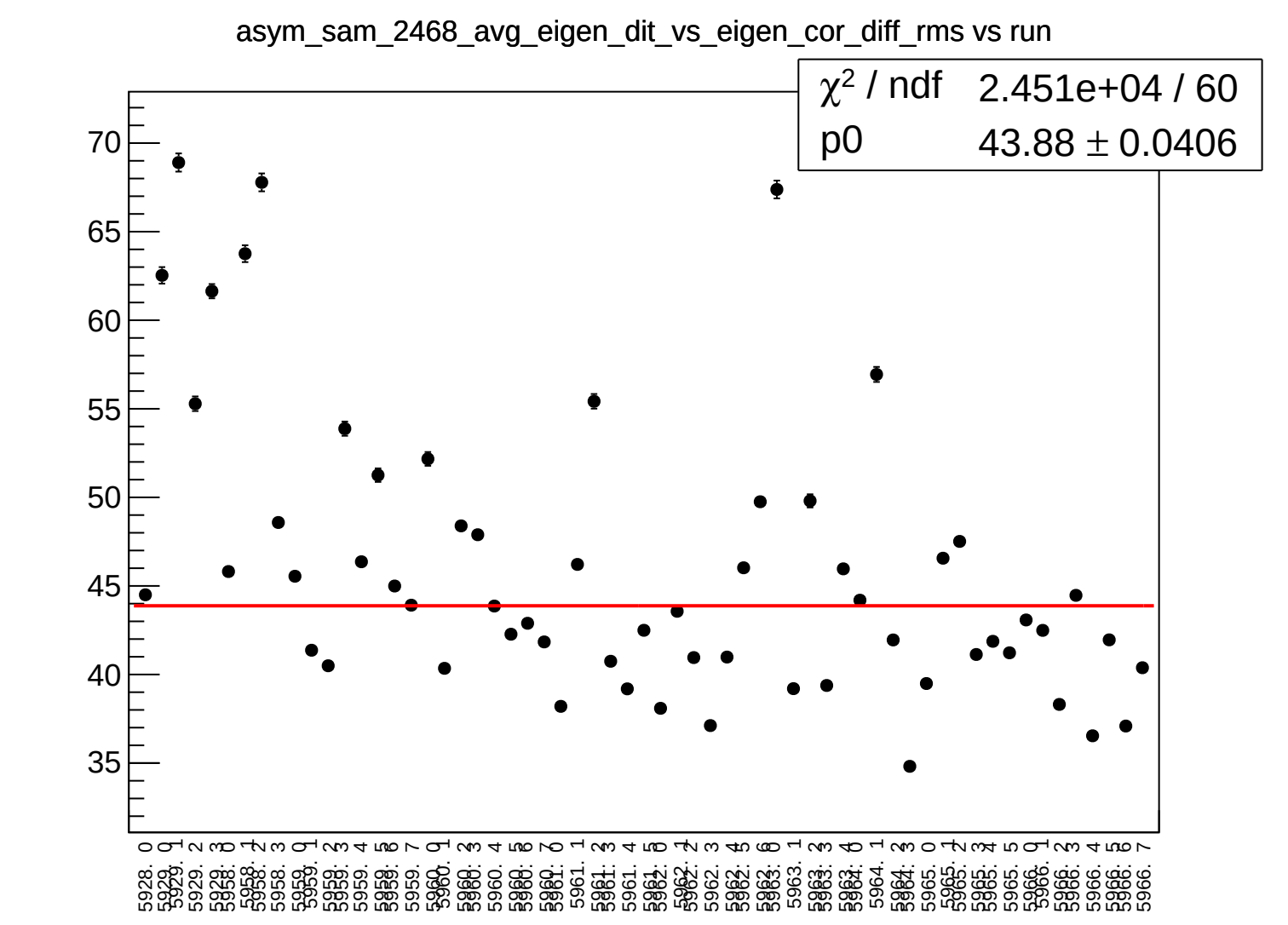

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.01 / 60
p0 −0.0238 ± 0.05741
pull
Entries 61
Mean −76.44
Std Dev 0

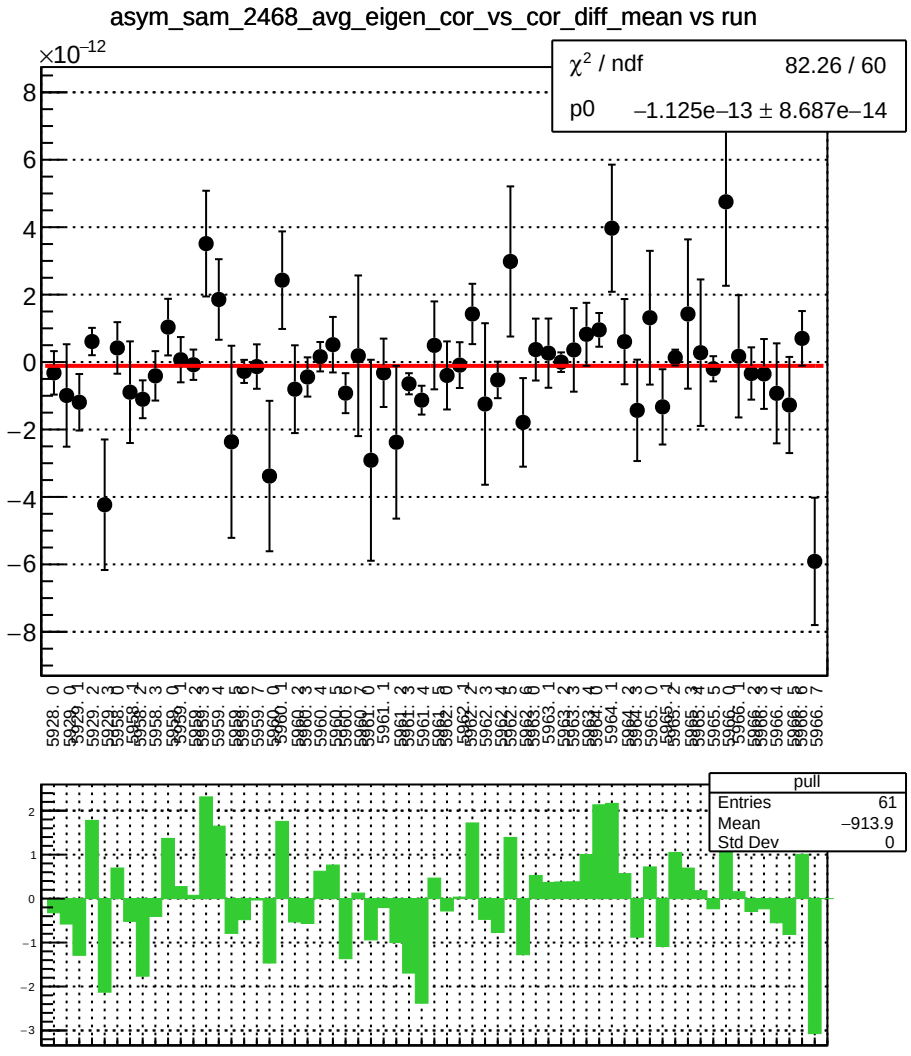

pull1D
Entries 61
Mean 0.02208
Std Dev 1.016

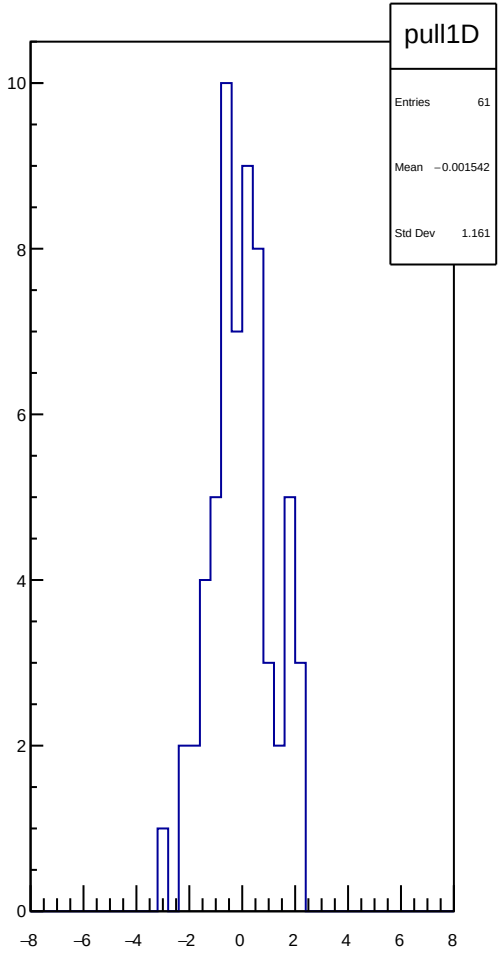

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.451e+04 / 60
p0 43.88 ± 0.0406
70
65
60
55
50
45
40
35

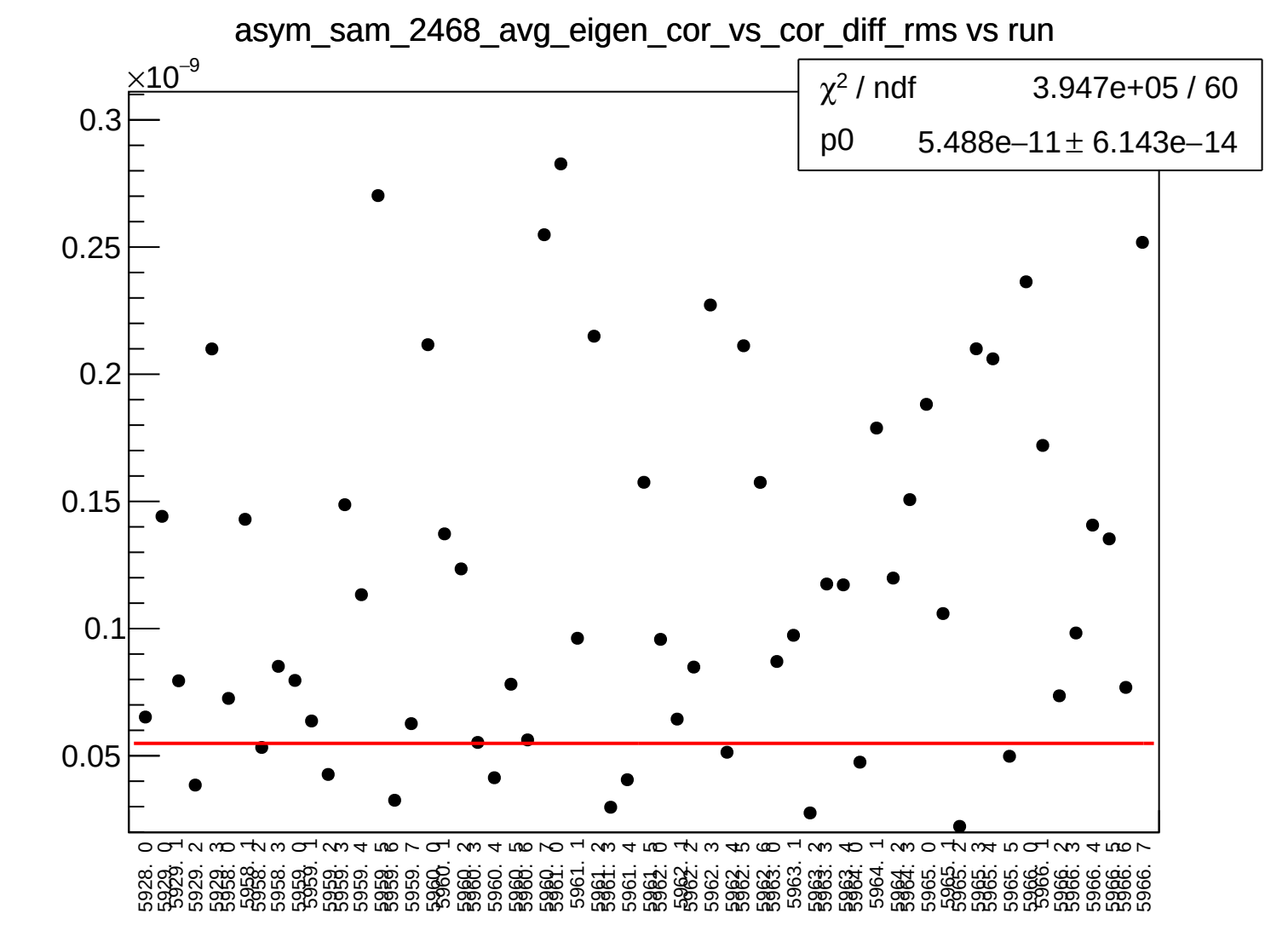

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.01 / 60
p0 −0.0238 ± 0.05741
pull
Entries 61
Mean −76.44
Std Dev 0

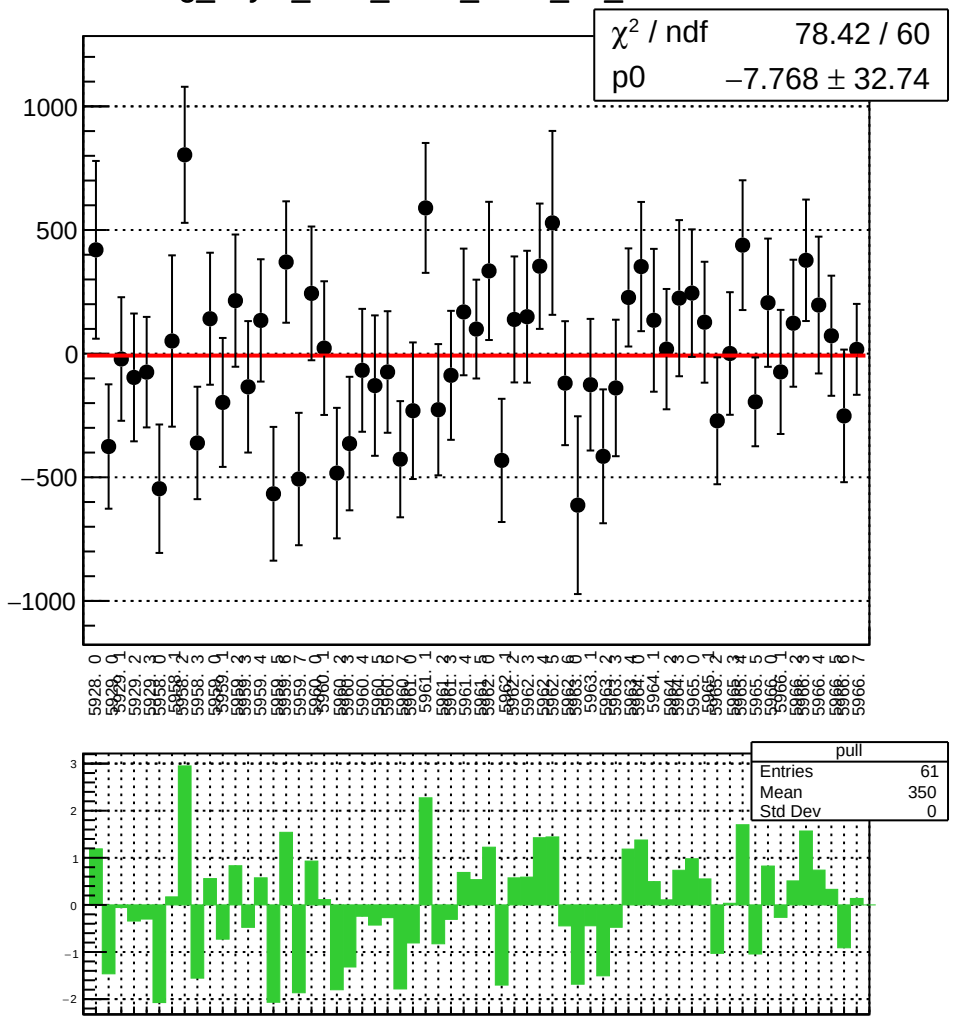

pull1D
Entries 61
Mean 0.02208
Std Dev 1.016

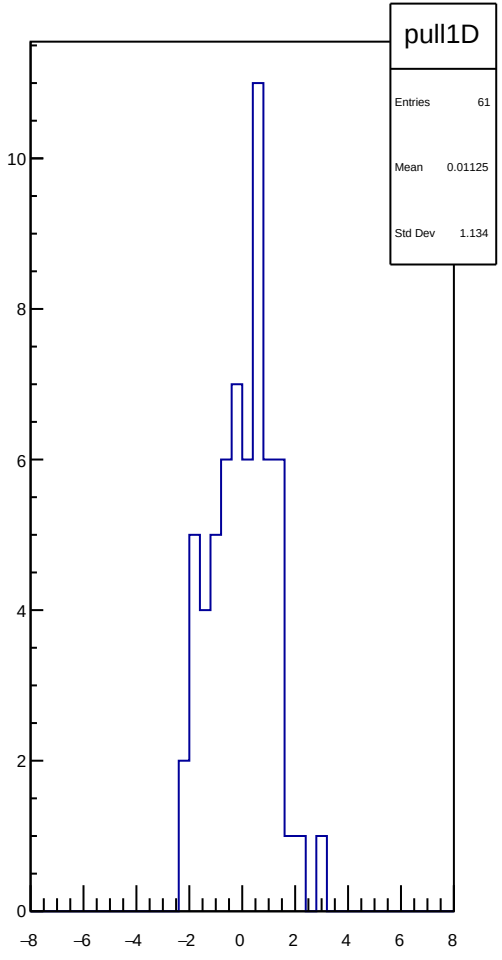

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.451e+04 / 60
p0 43.88 ± 0.0406
70
65
60
55
50
45
40
35

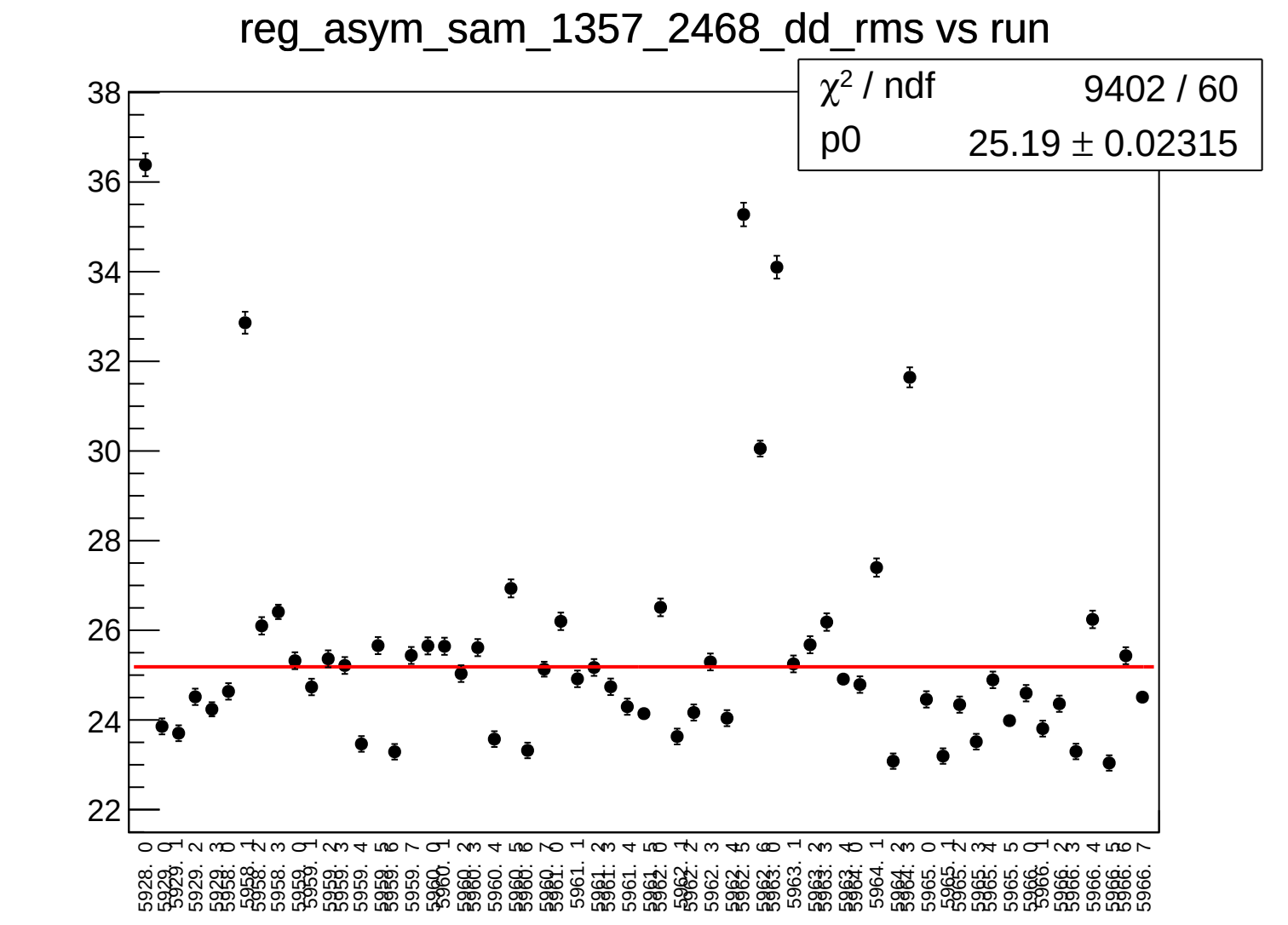

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.26 / 60
p0 −1.125e−13 ± 8.687e−14
pull
Entries 61
Mean −913.9
Std Dev 0

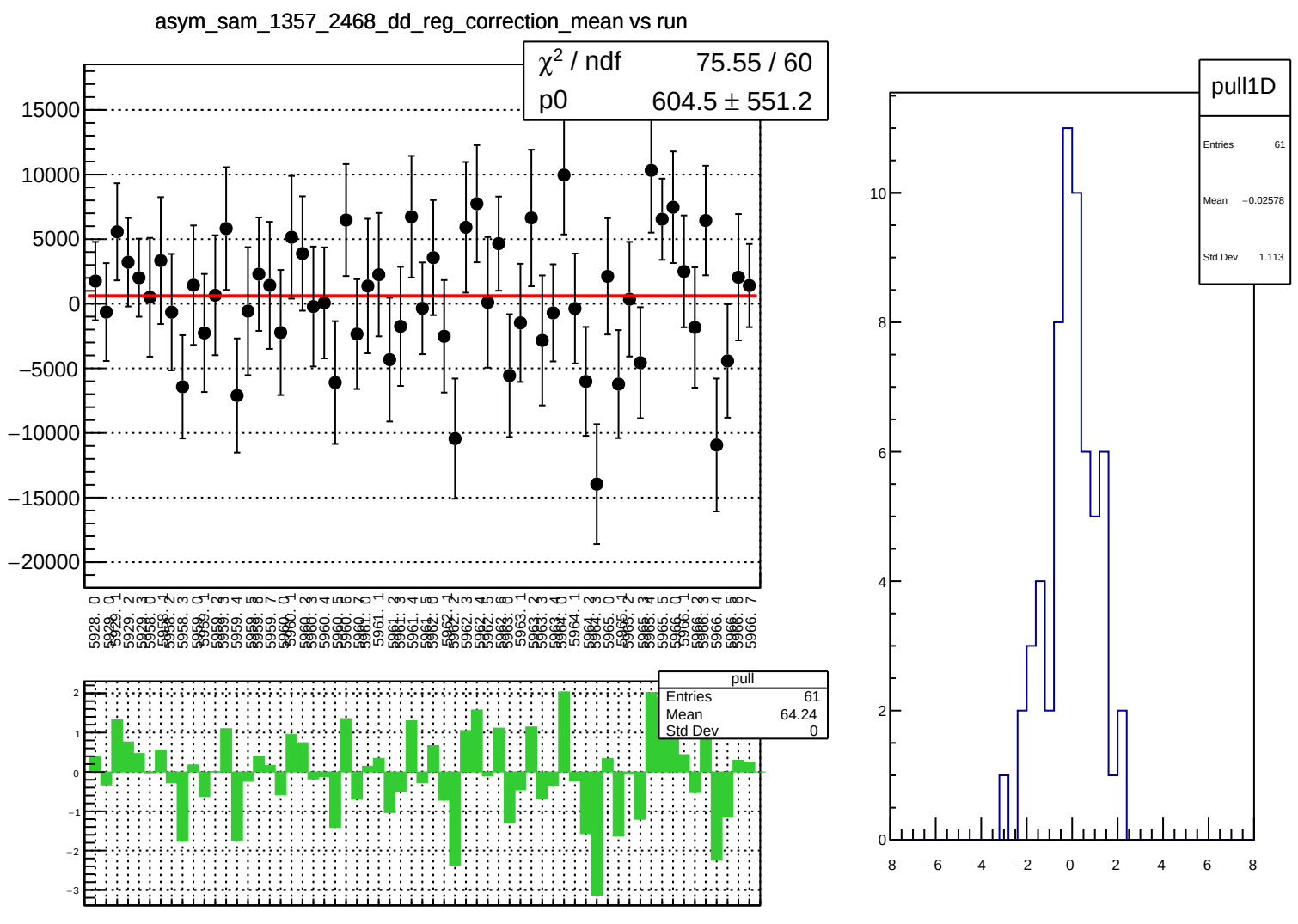

pull1D
Entries 61
Mean −0.001542
Std Dev 1.161

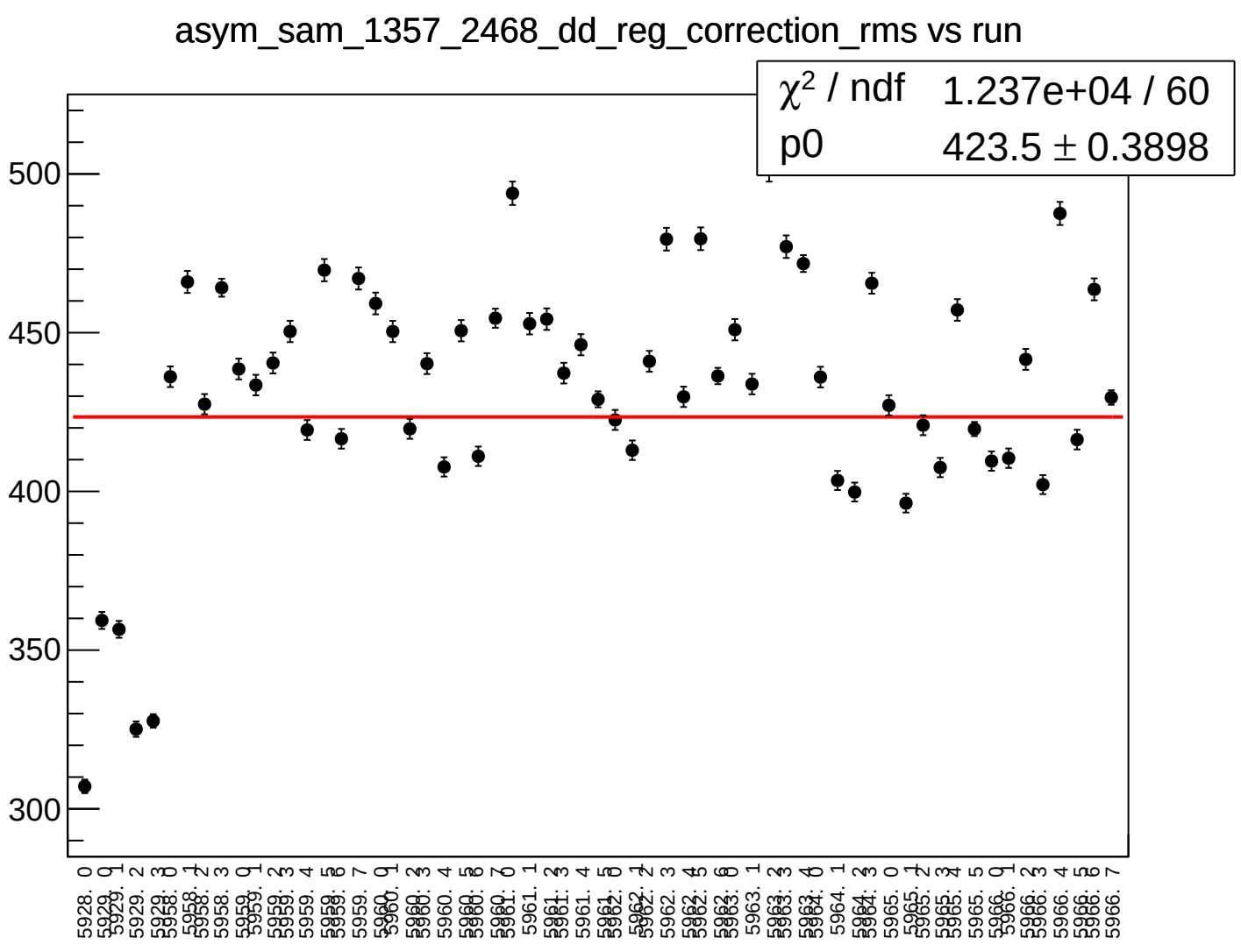

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.947e+05 / 60
p0 5.488e−11 ± 6.143e−14
0.3
0.25
0.2
0.15
0.1
0.05

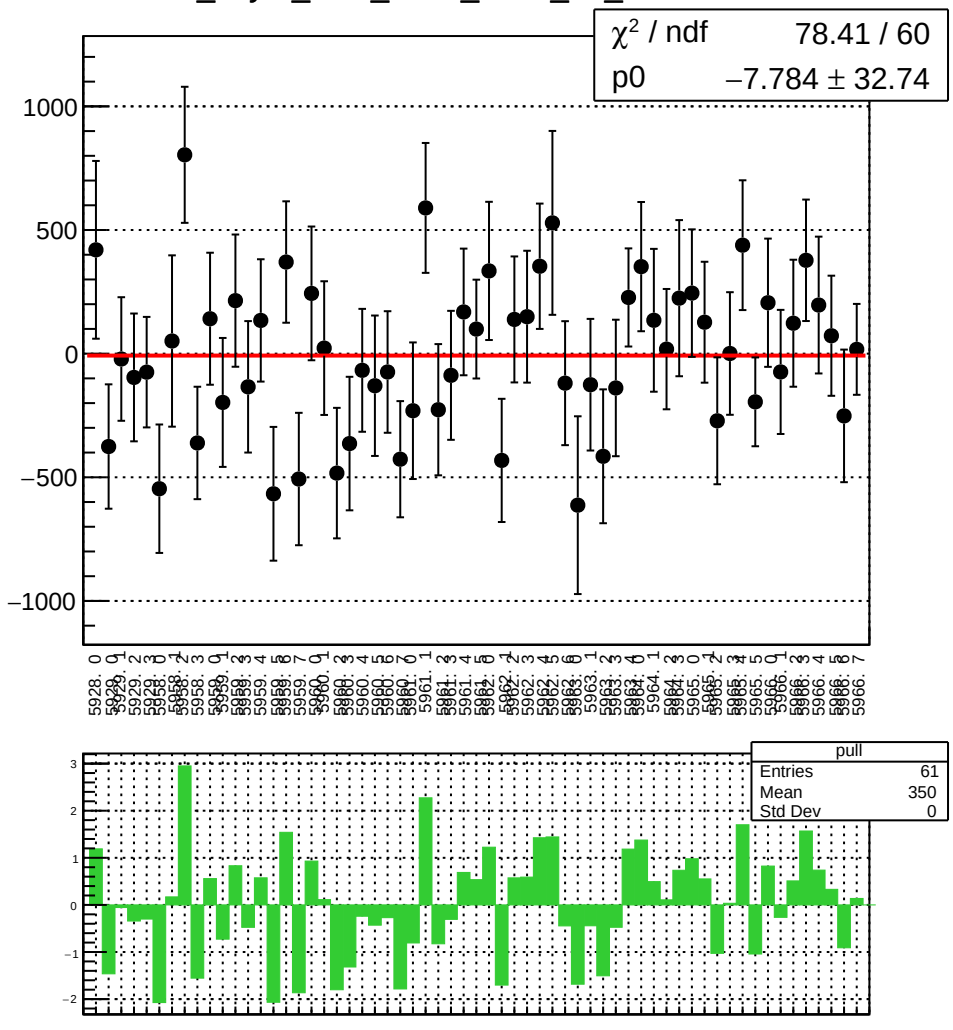

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.42 / 60
p0 −7.768 ± 32.74
1000
500
0
−500
−1000
pull
Entries 61
Mean 350
Std Dev 0
3
2
1
0
−1
−2

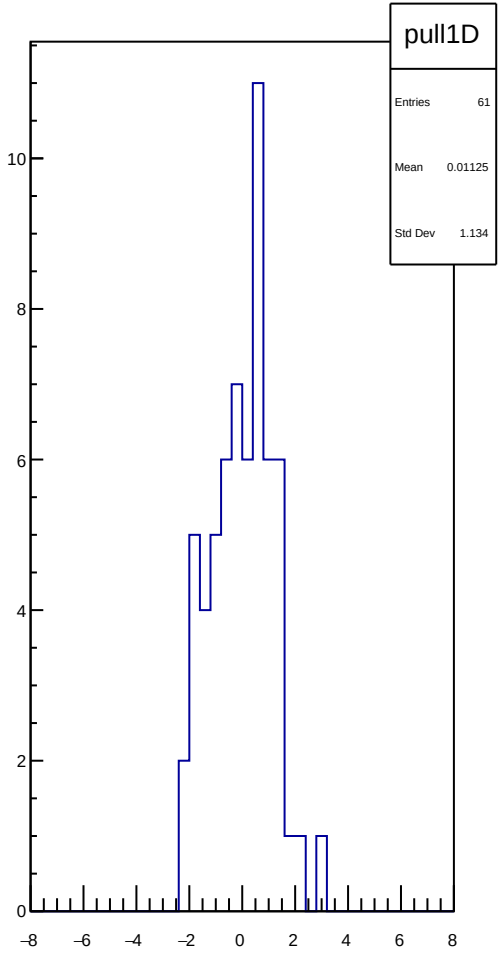

pull1D
Entries 61
Mean 0.01125
Std Dev 1.134
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

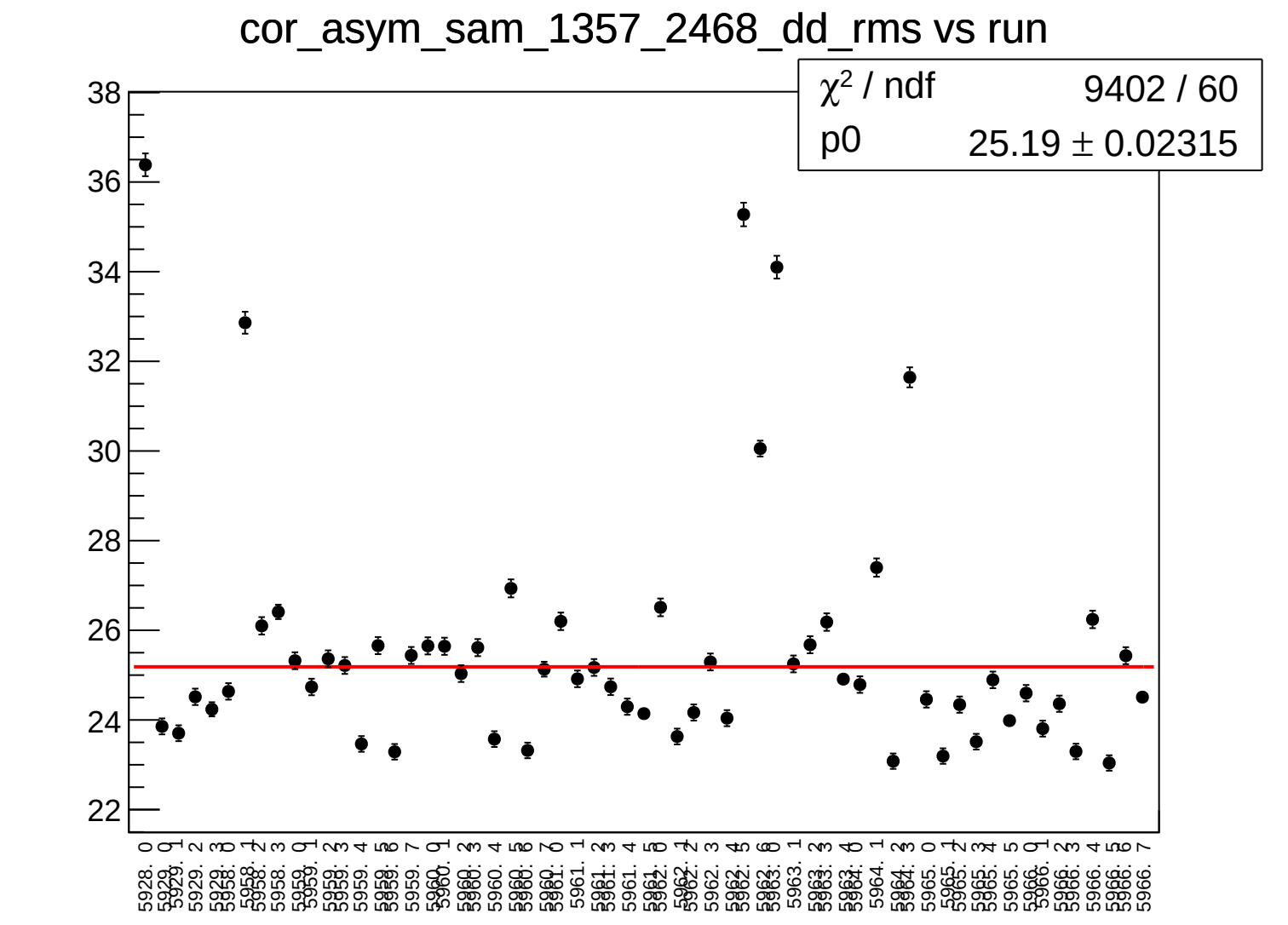

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9402 / 60
p0 25.19 ± 0.02315
38
36
34
32
30
28
26
24
22

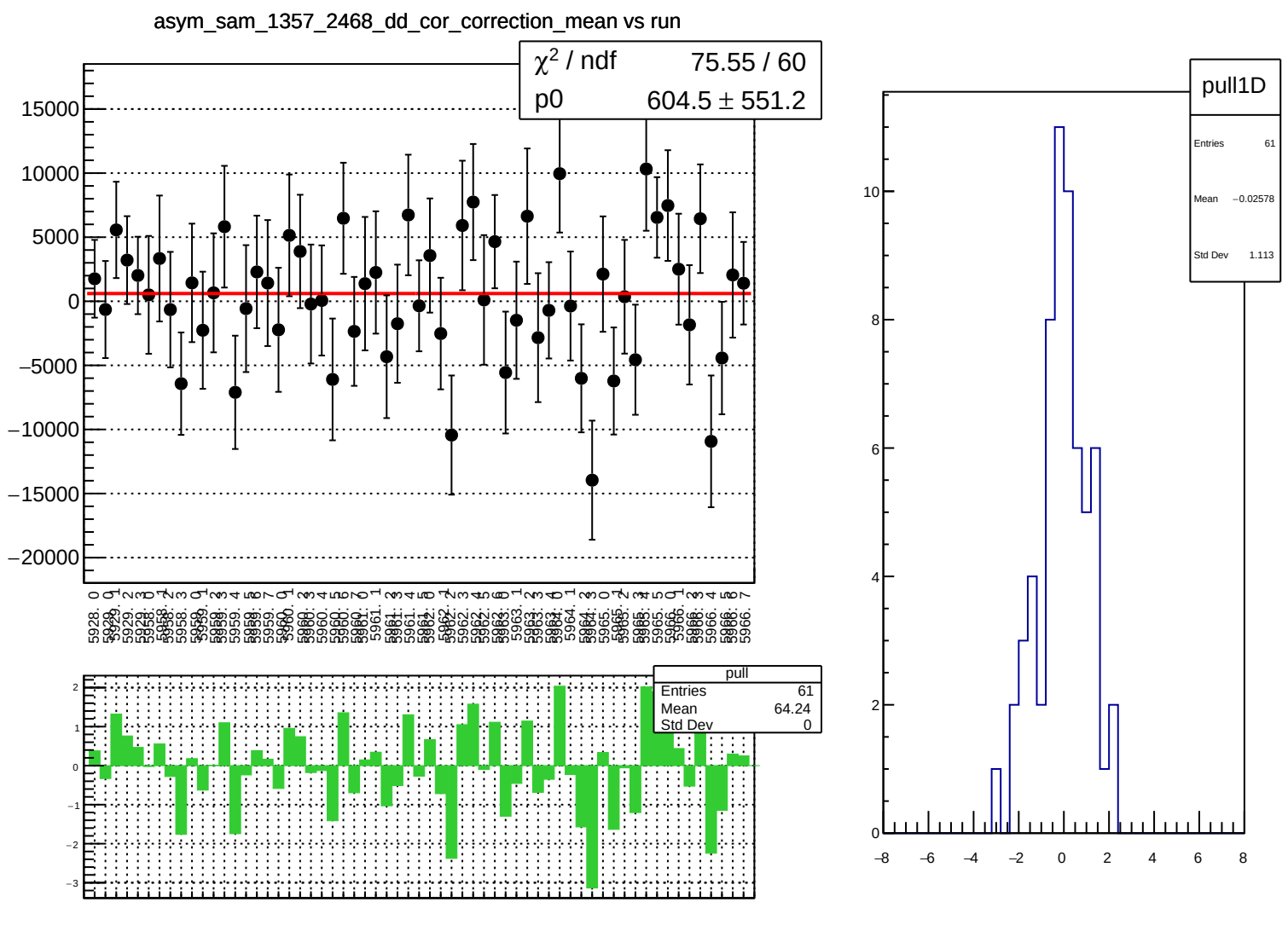

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 75.55 / 60
p0 604.5 ± 551.2
pull
Entries 61
Mean 64.24
Std Dev 0
pull1D
Entries 61
Mean −0.02578
Std Dev 1.113

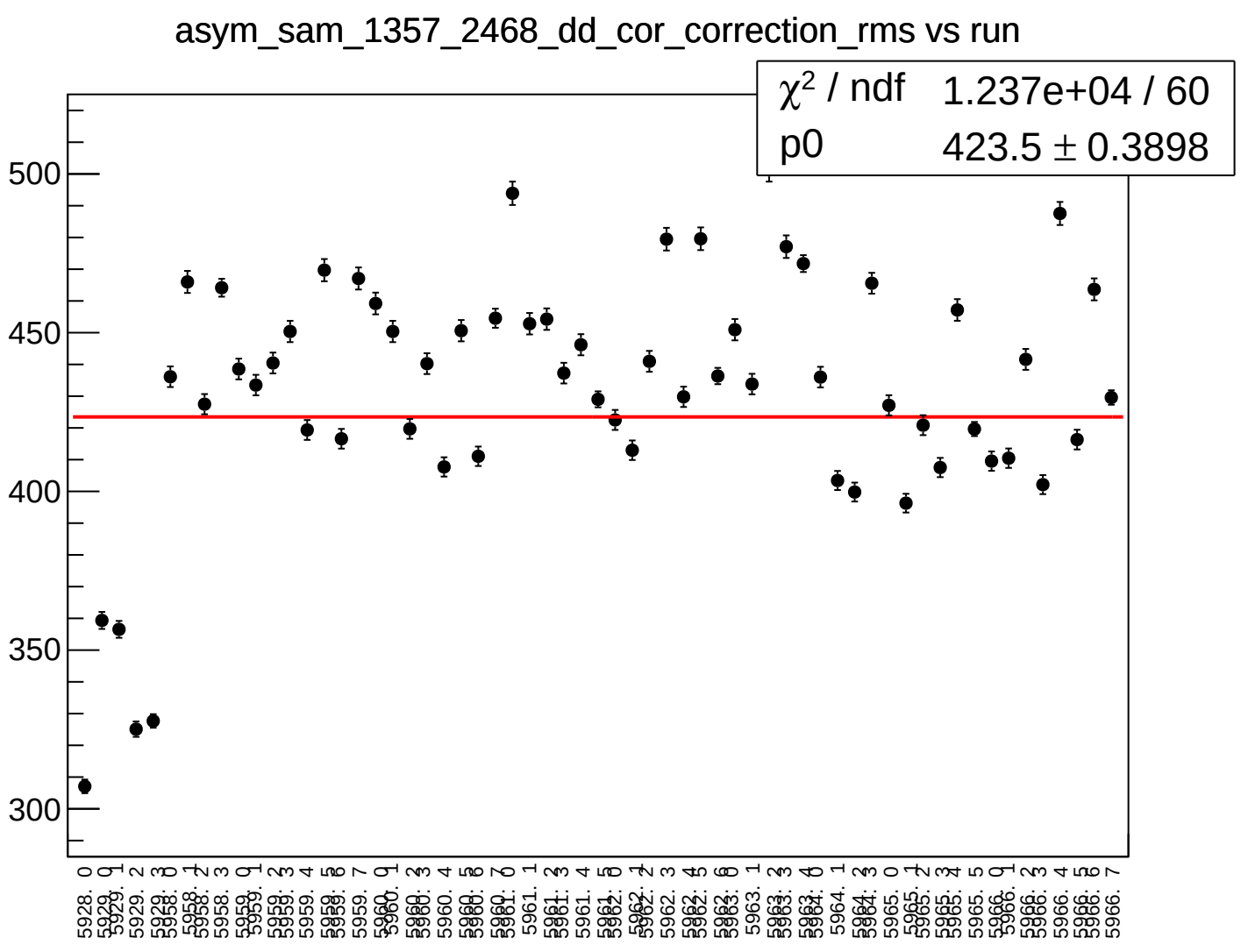

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1.237e+04 / 60
p0 423.5 ± 0.3898
500
450
400
350
300

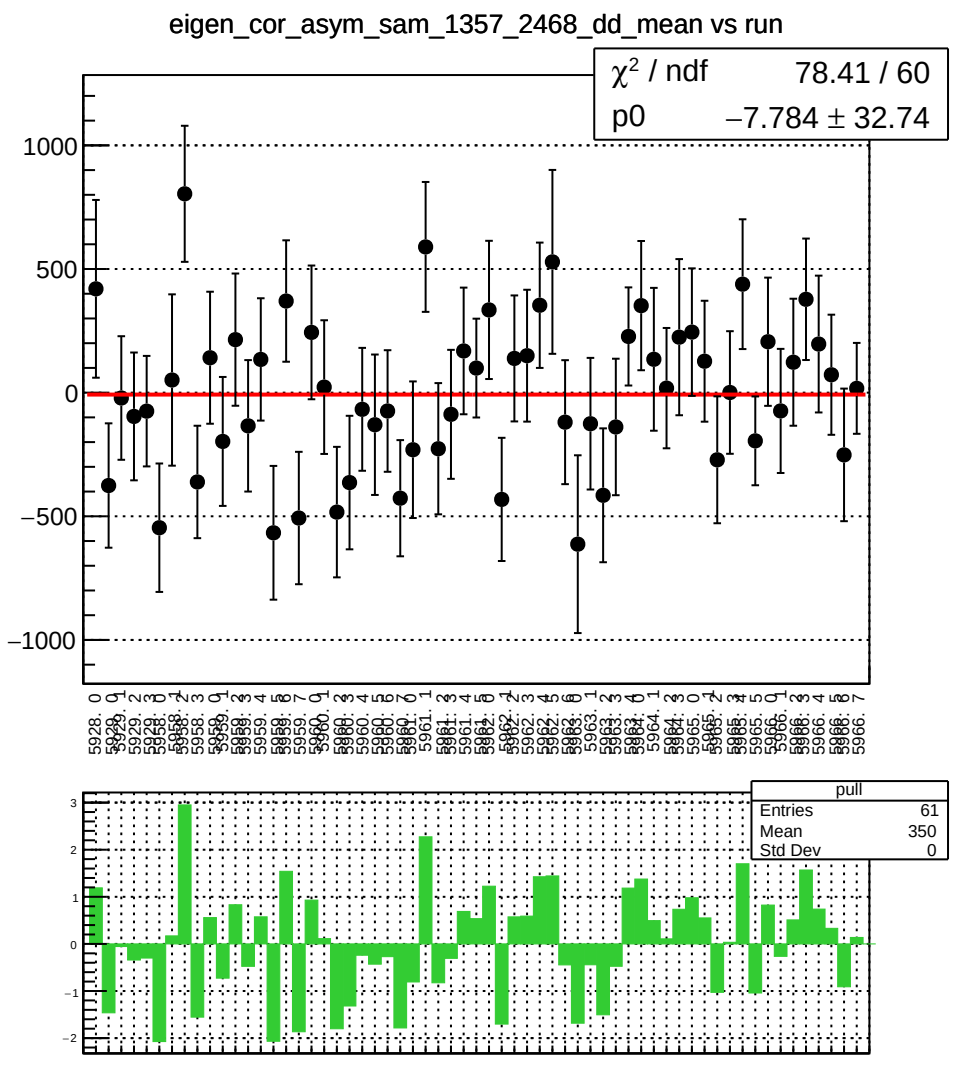

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.41 / 60
p0 −7.784 ± 32.74
pull
Entries 61
Mean 350
Std Dev 0

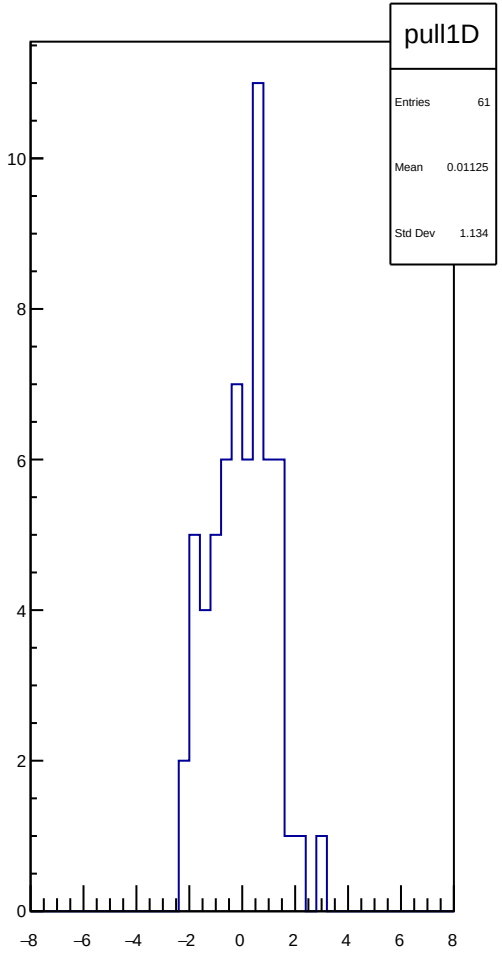

pull1D
Entries 61
Mean 0.01125
Std Dev 1.134

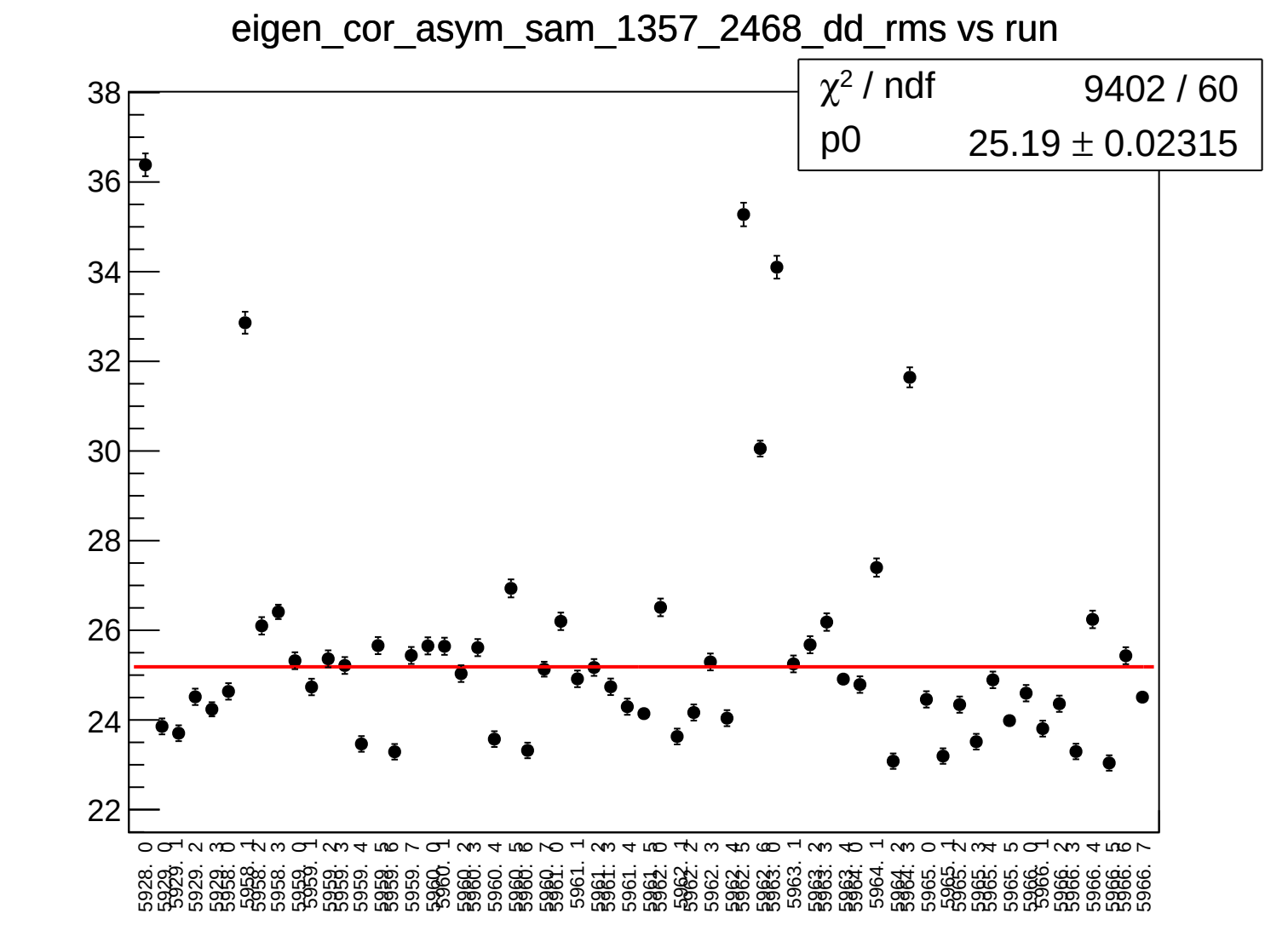

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9402 / 60
p0 25.19 ± 0.02315
38
36
34
32
30
28
26
24
22

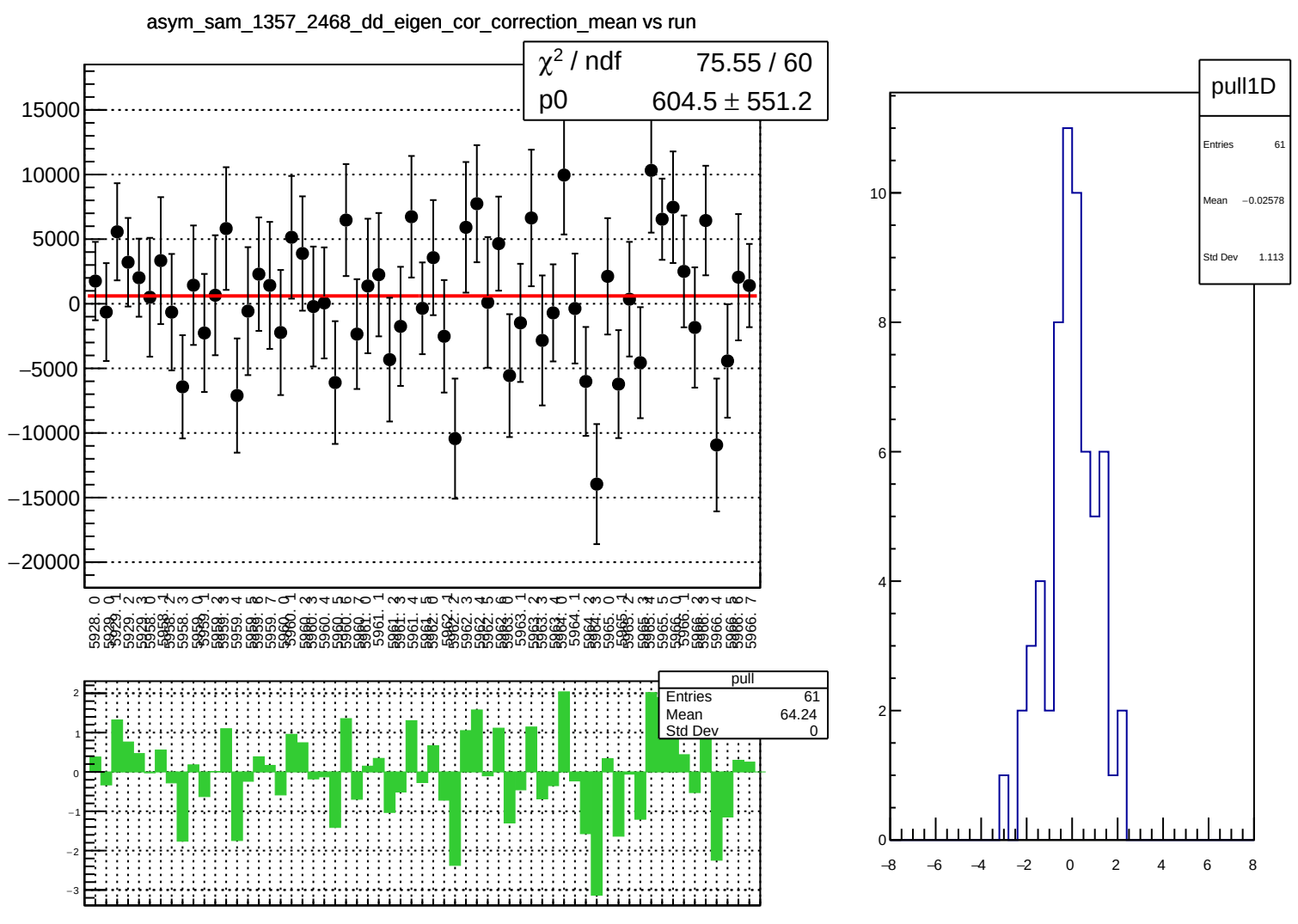

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 75.55 / 60
p0 604.5 ± 551.2
pull
Entries 61
Mean 64.24
Std Dev 0
pull1D
Entries 61
Mean −0.02578
Std Dev 1.113

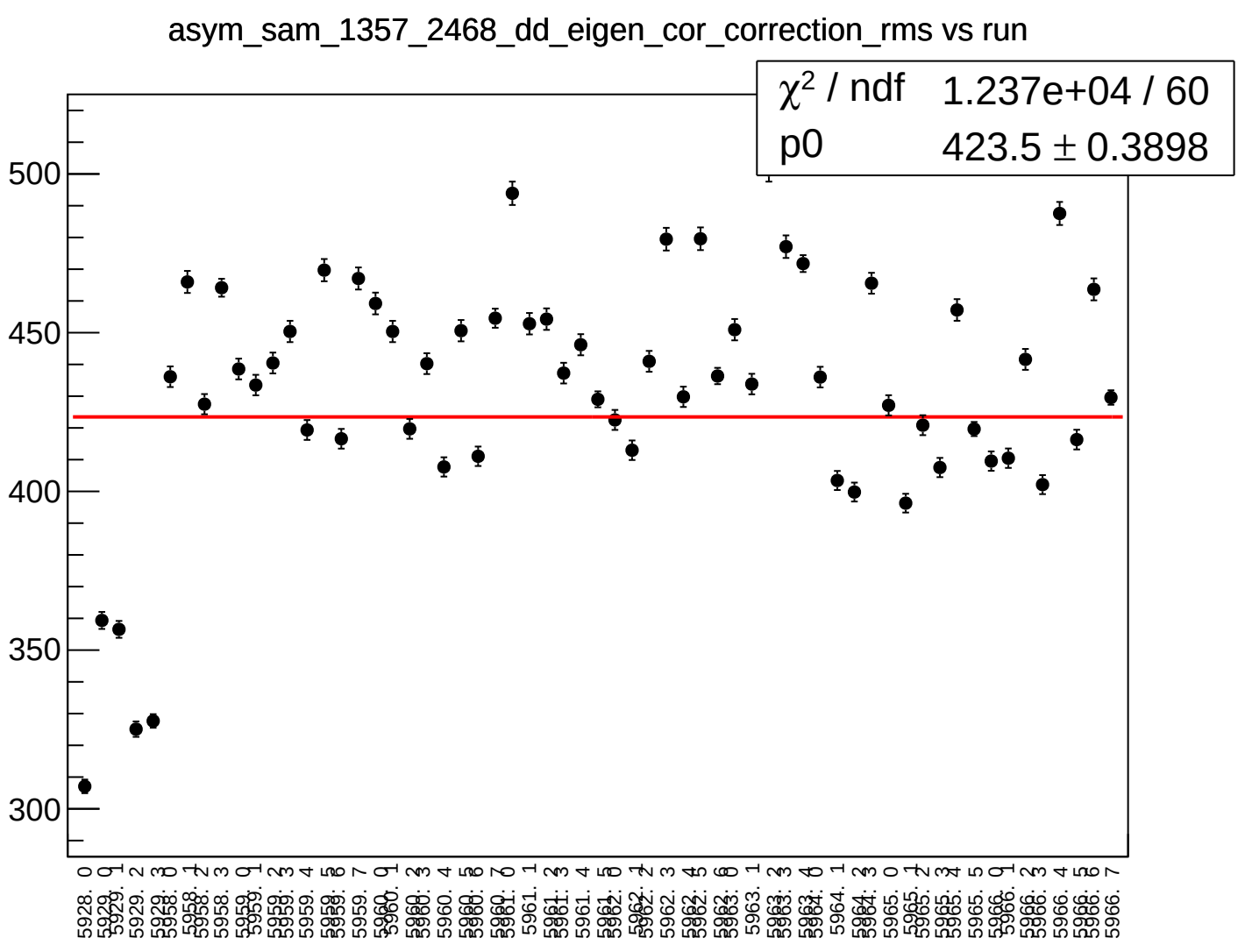

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1.237e+04 / 60
p0 423.5 ± 0.3898
500
450
400
350
300

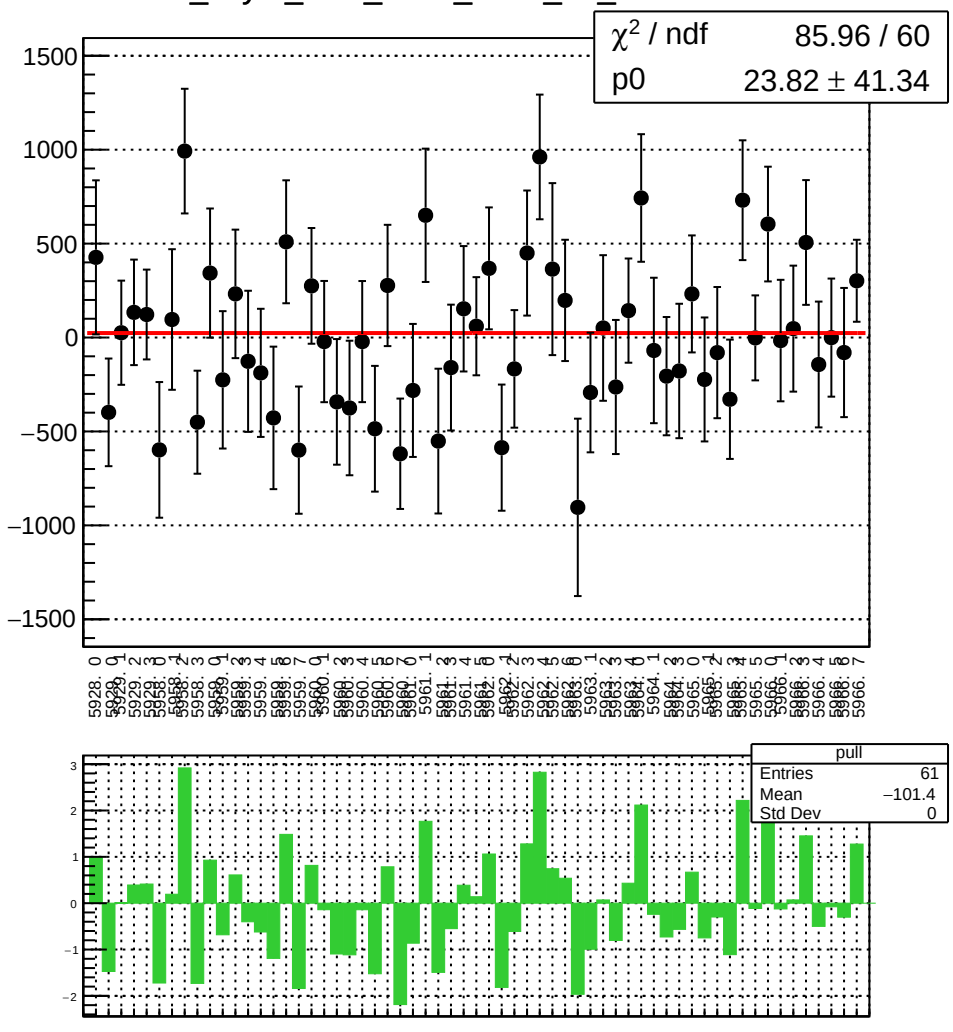

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.41 / 60
p0 −7.784 ± 32.74
1000
500
0
−500
−1000
pull
Entries 61
Mean 350
Std Dev 0
3
2
1
0
−1
−2

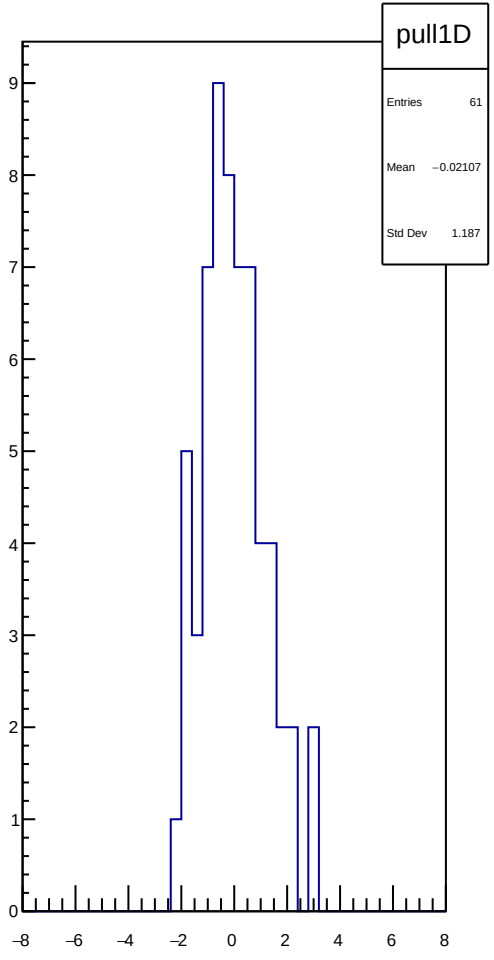

pull1D
Entries 61
Mean 0.01125
Std Dev 1.134
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

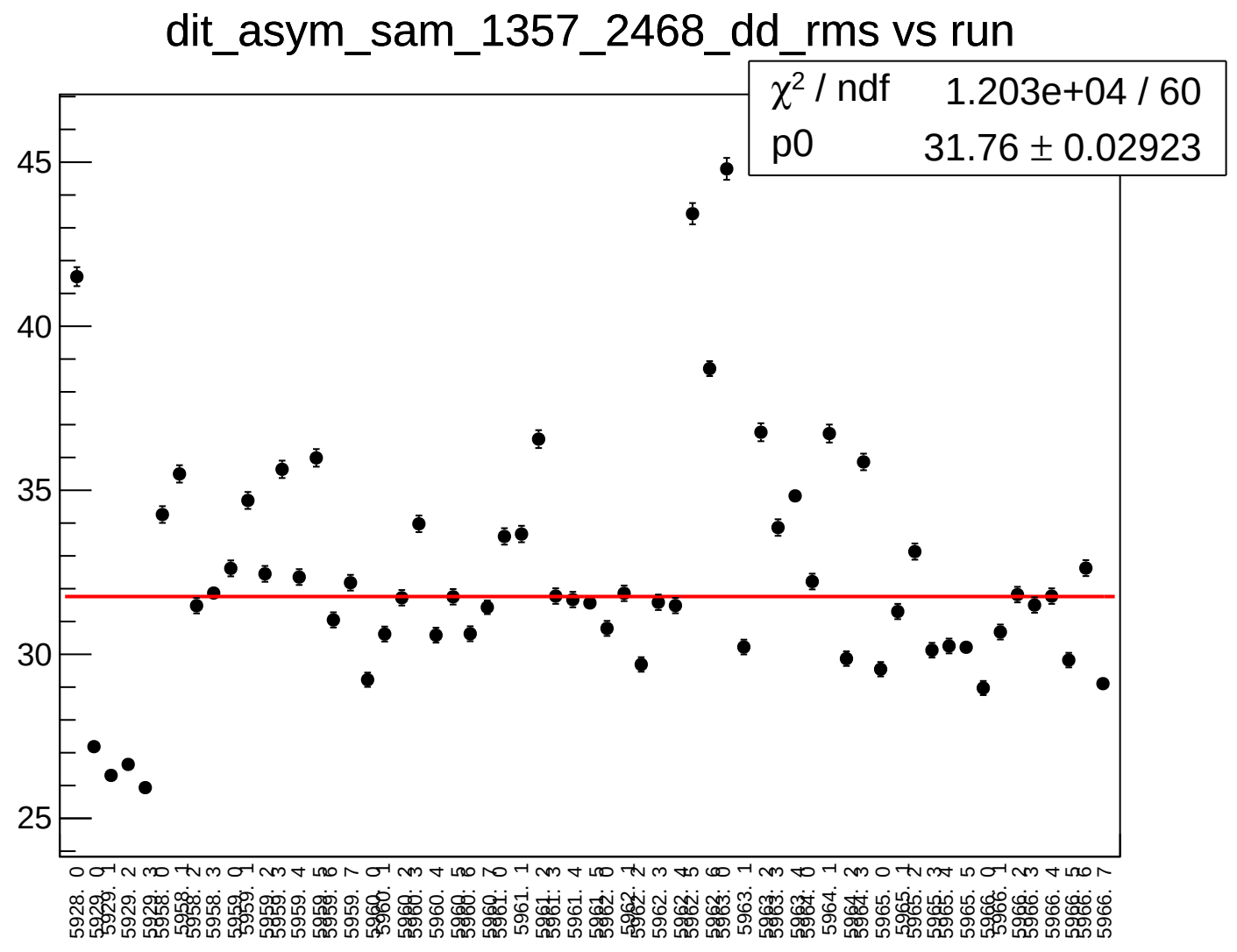

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9402 / 60
p0 25.19 ± 0.02315
38
36
34
32
30
28
26
24
22

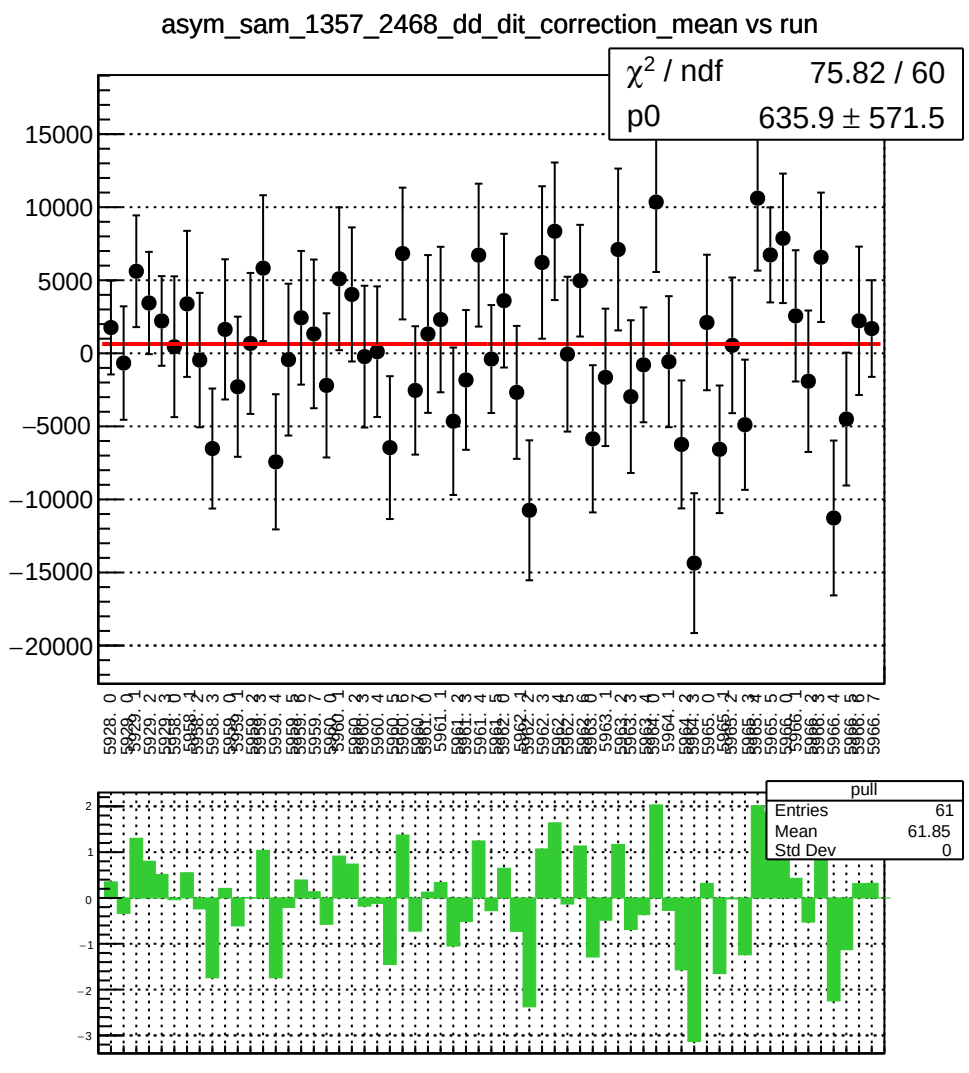

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 75.55 / 60
p0 604.5 ± 551.2
pull
Entries 61
Mean 64.24
Std Dev 0
pull1D
Entries 61
Mean −0.02578
Std Dev 1.113

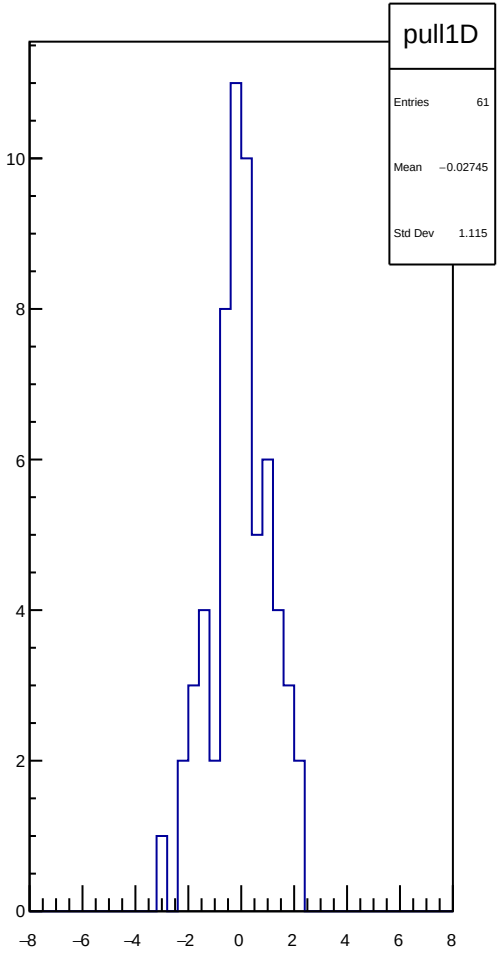

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.237e+04 / 60
p0 423.5 ± 0.3898
500
450
400
350
300

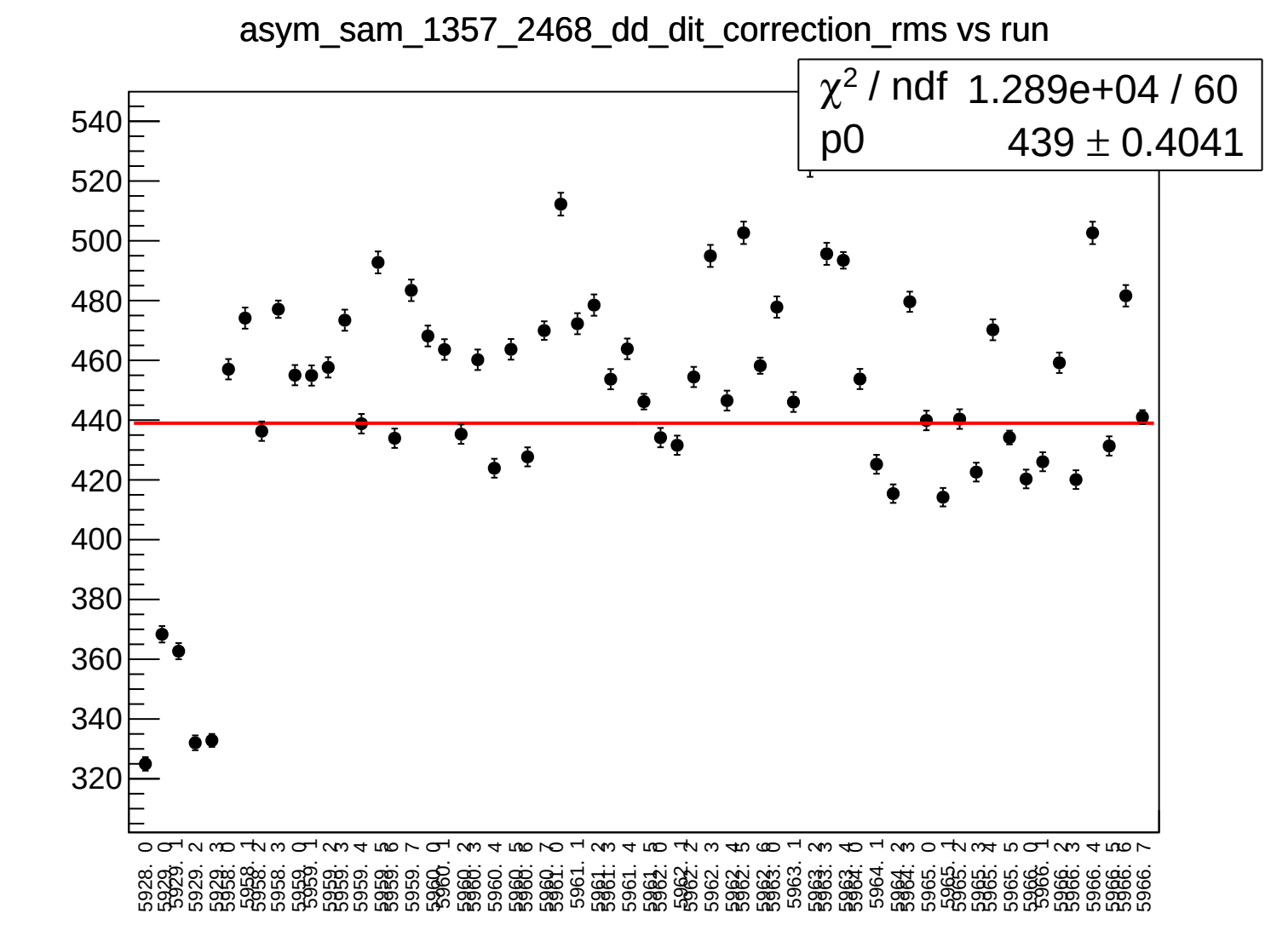

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.96 / 60
p0 23.82 ± 41.34
pull
Entries 61
Mean −101.4
Std Dev 0

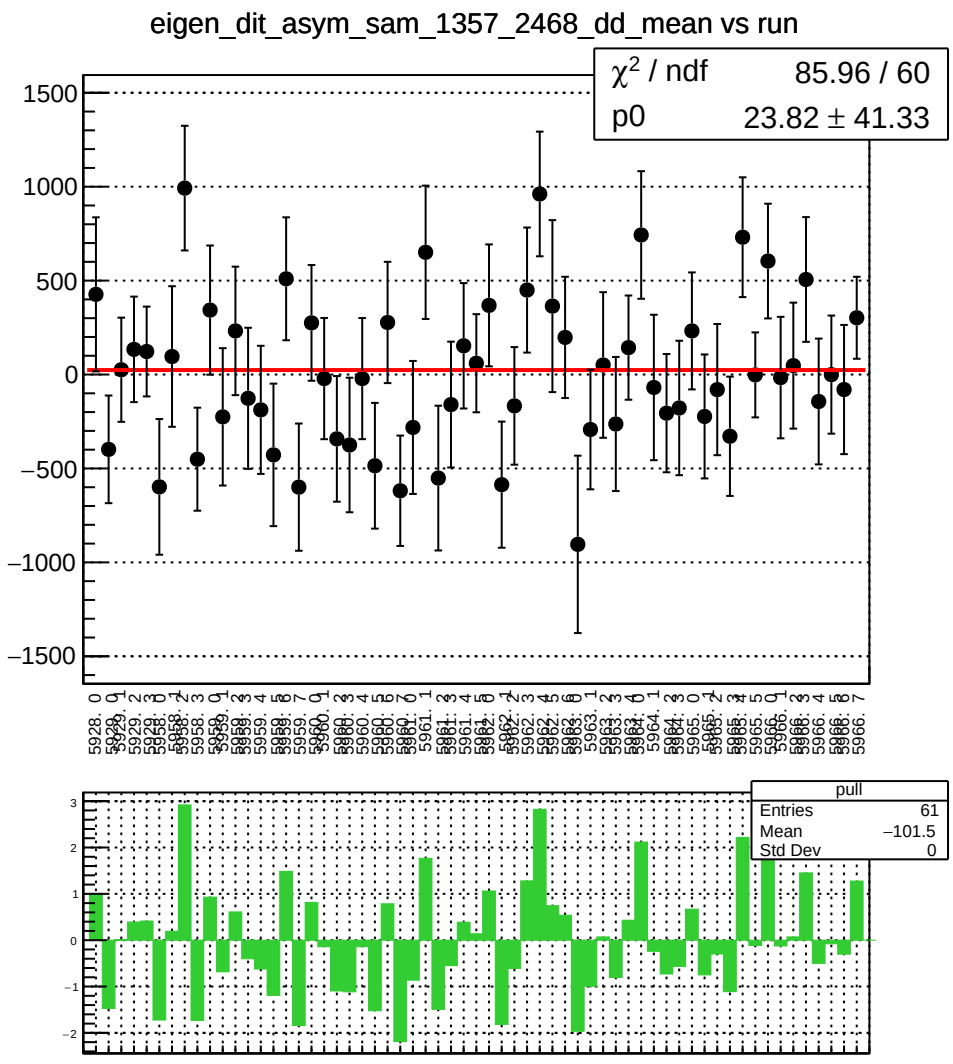

pull1D
Entries 61
Mean −0.02107
Std Dev 1.187

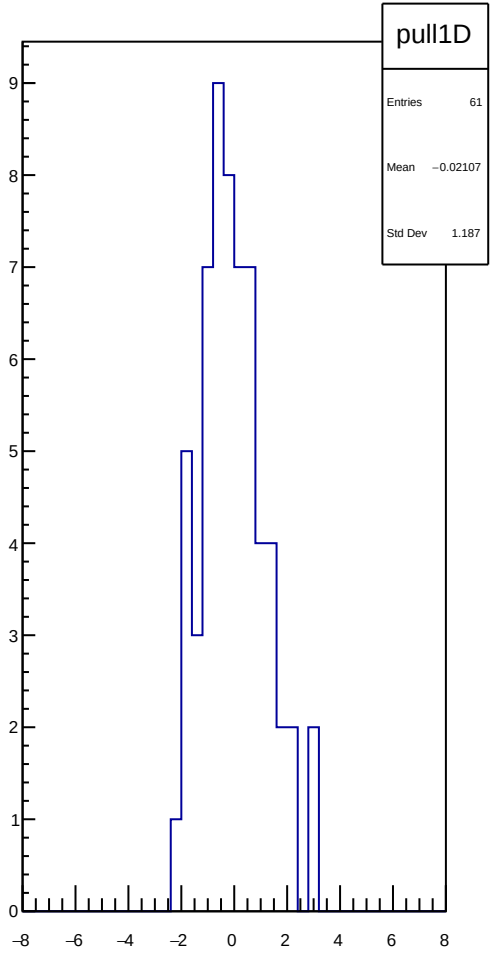

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.203e+04 / 60
p0 31.76 ± 0.02923
45
40
35
30
25

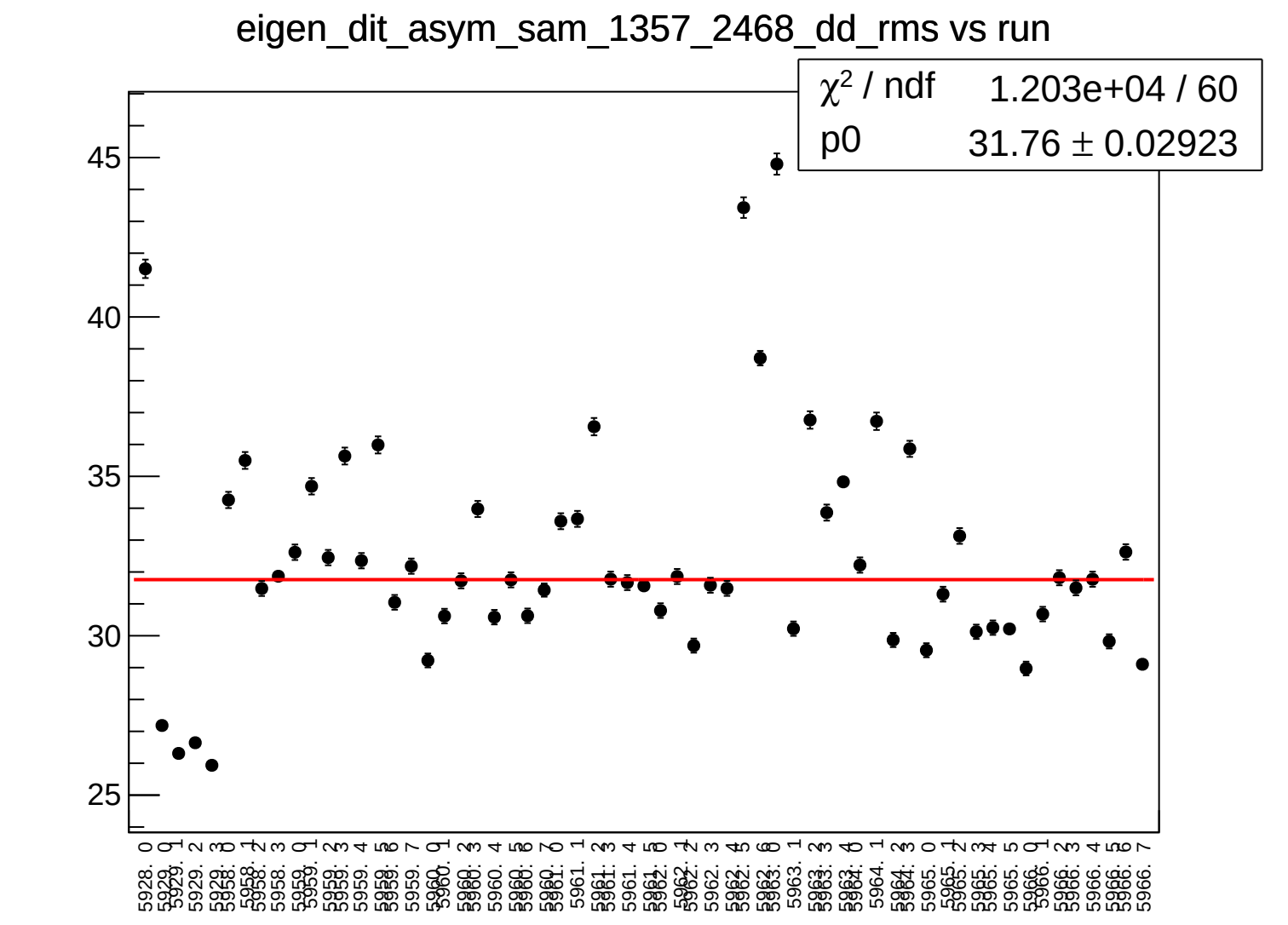

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 75.82 / 60
p0 635.9 ± 571.5
pull
Entries 61
Mean 61.85
Std Dev 0

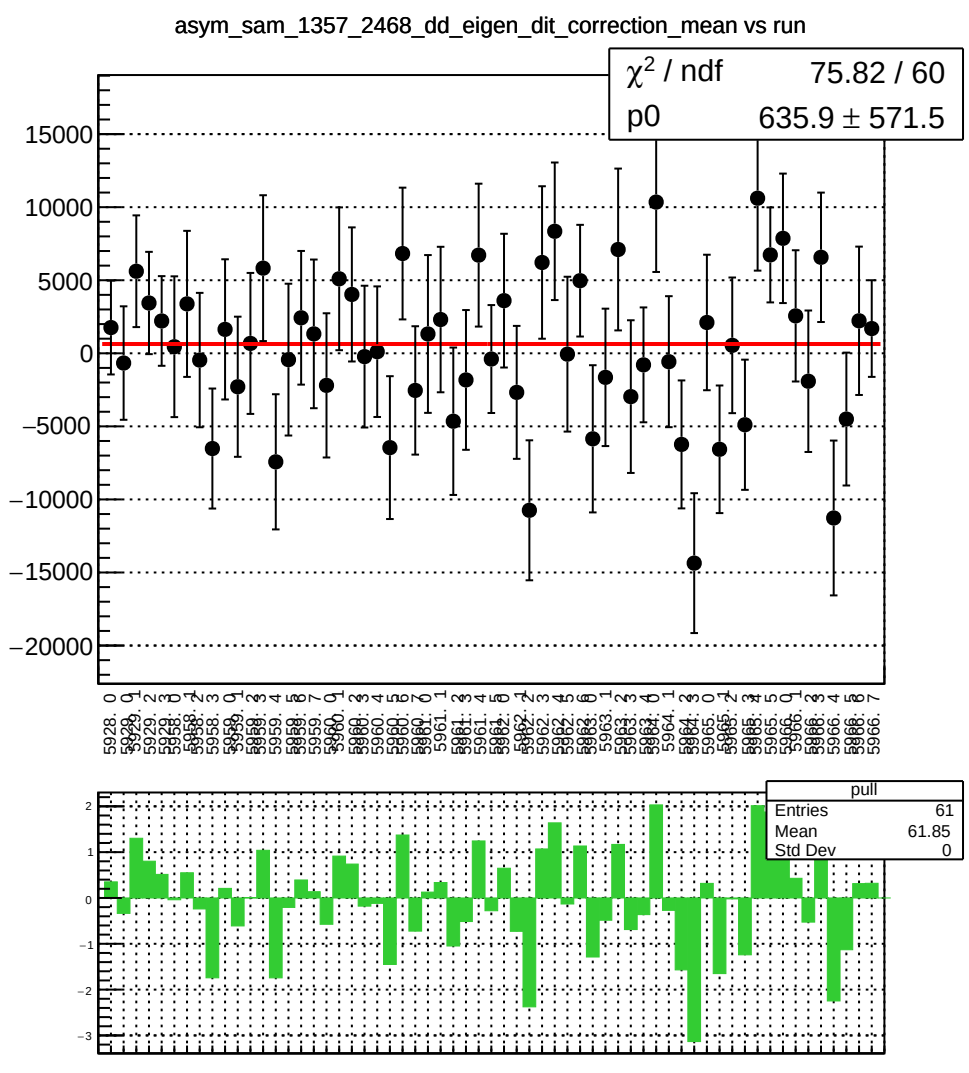

pull1D
Entries 61
Mean −0.02745
Std Dev 1.115

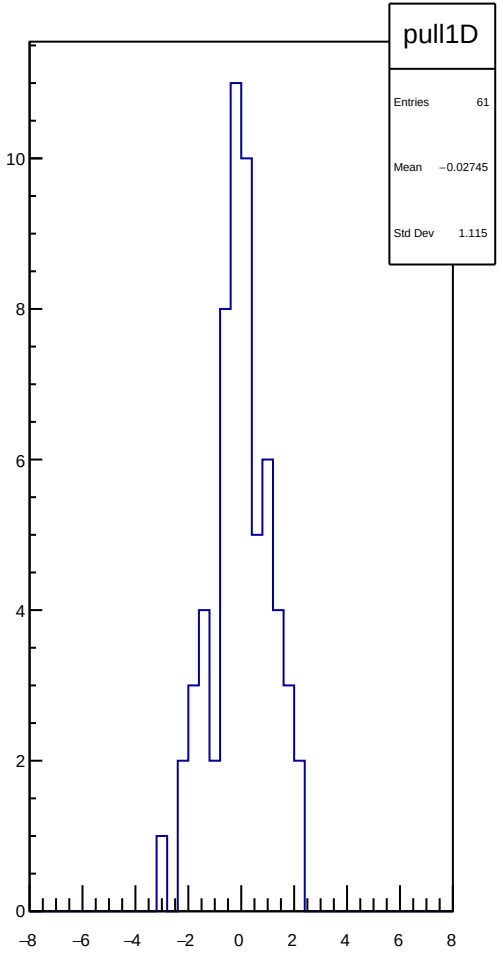

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ^2 / ndf 1.289e+04 / 60
p0 439 ± 0.4041
540
520
500
480
460
440
420
400
380
360
340
320

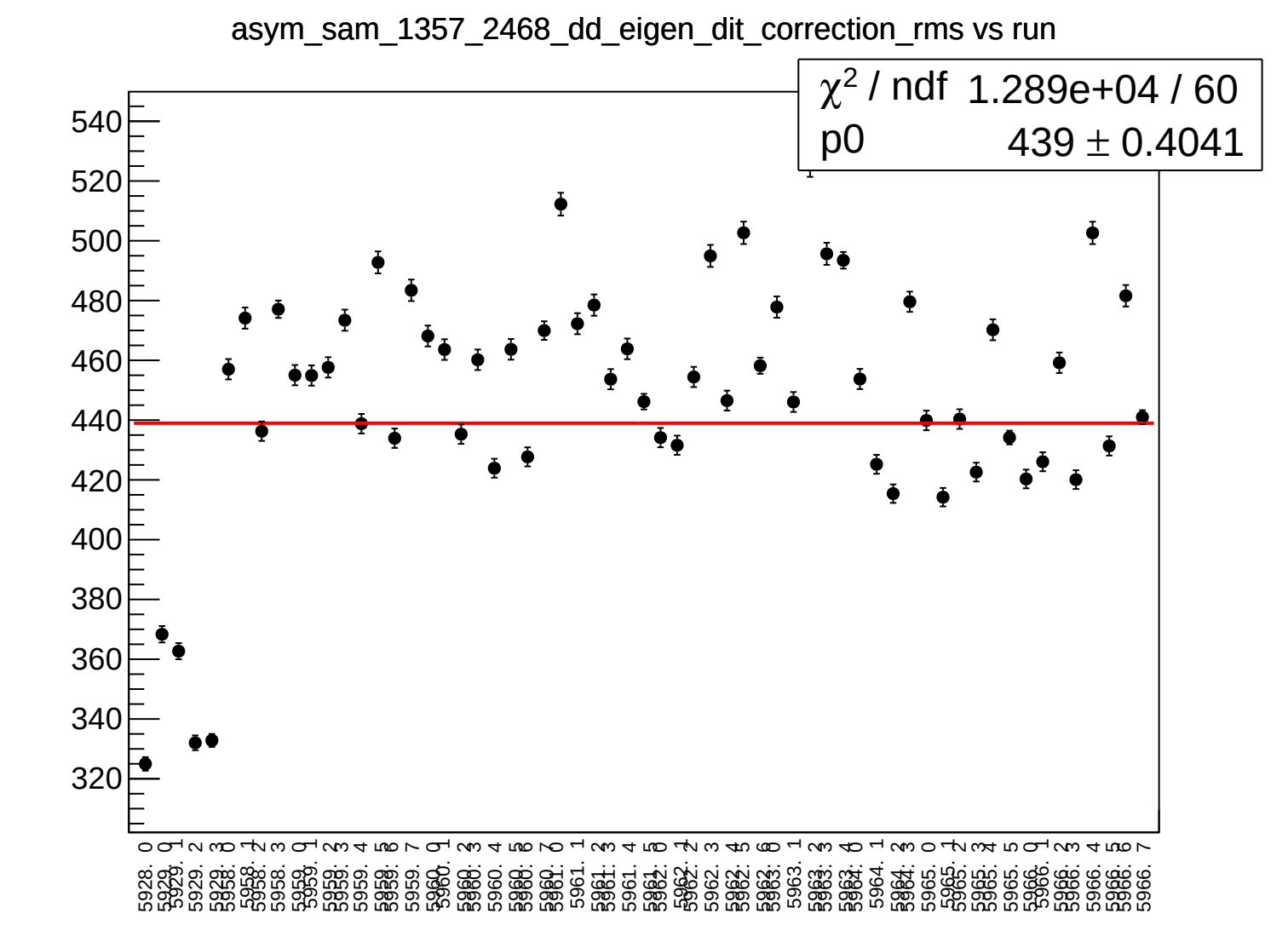

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.96 / 60
p0 23.82 ± 41.33
pull
Entries 61
Mean −101.5
Std Dev 0

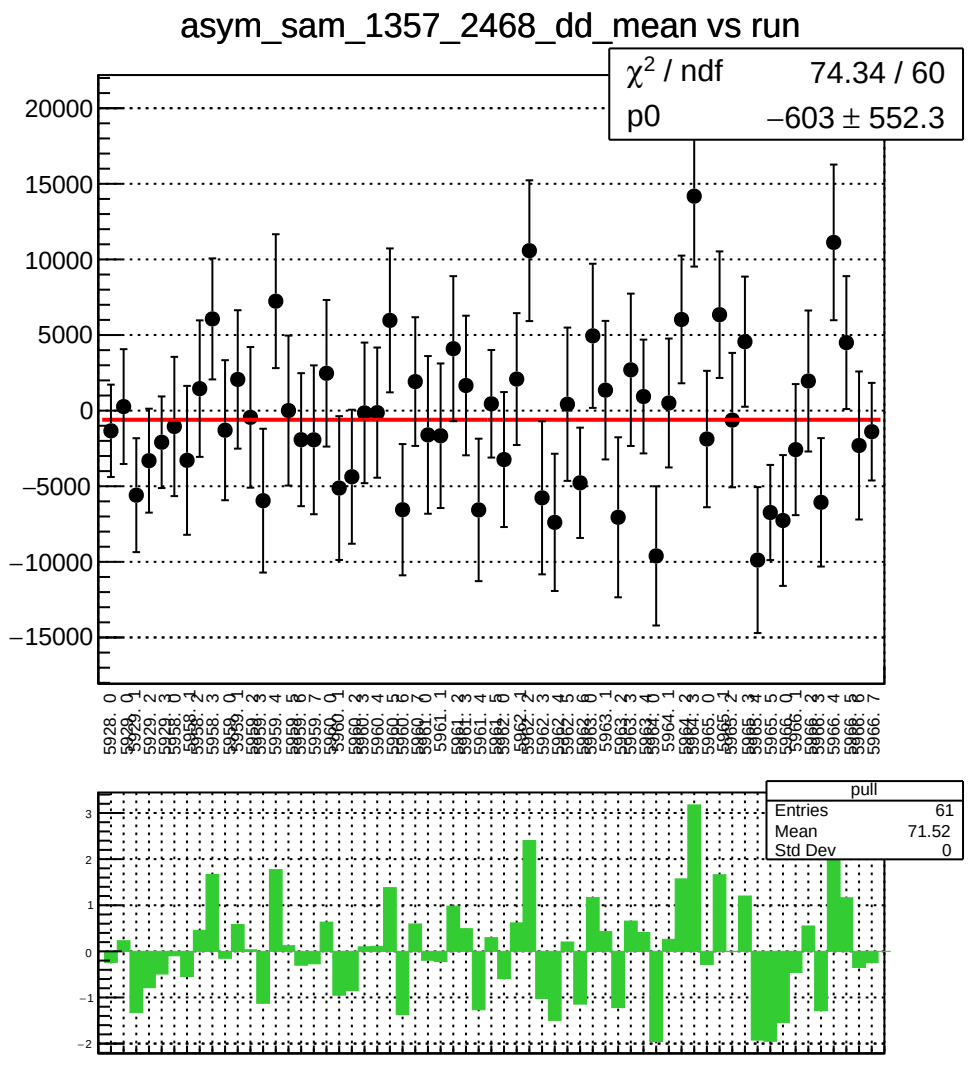

pull1D
Entries 61
Mean −0.02107
Std Dev 1.187

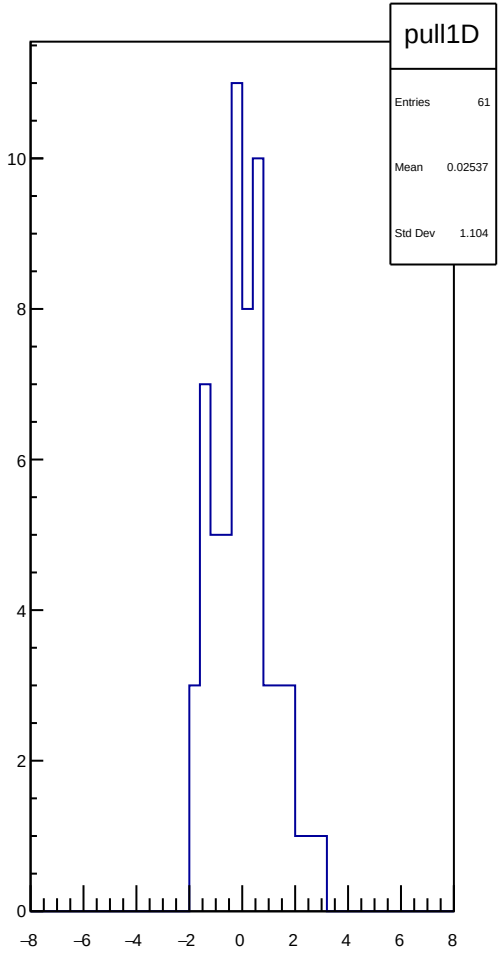

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.203e+04 / 60
p0 31.76 ± 0.02923
45
40
35
30
25

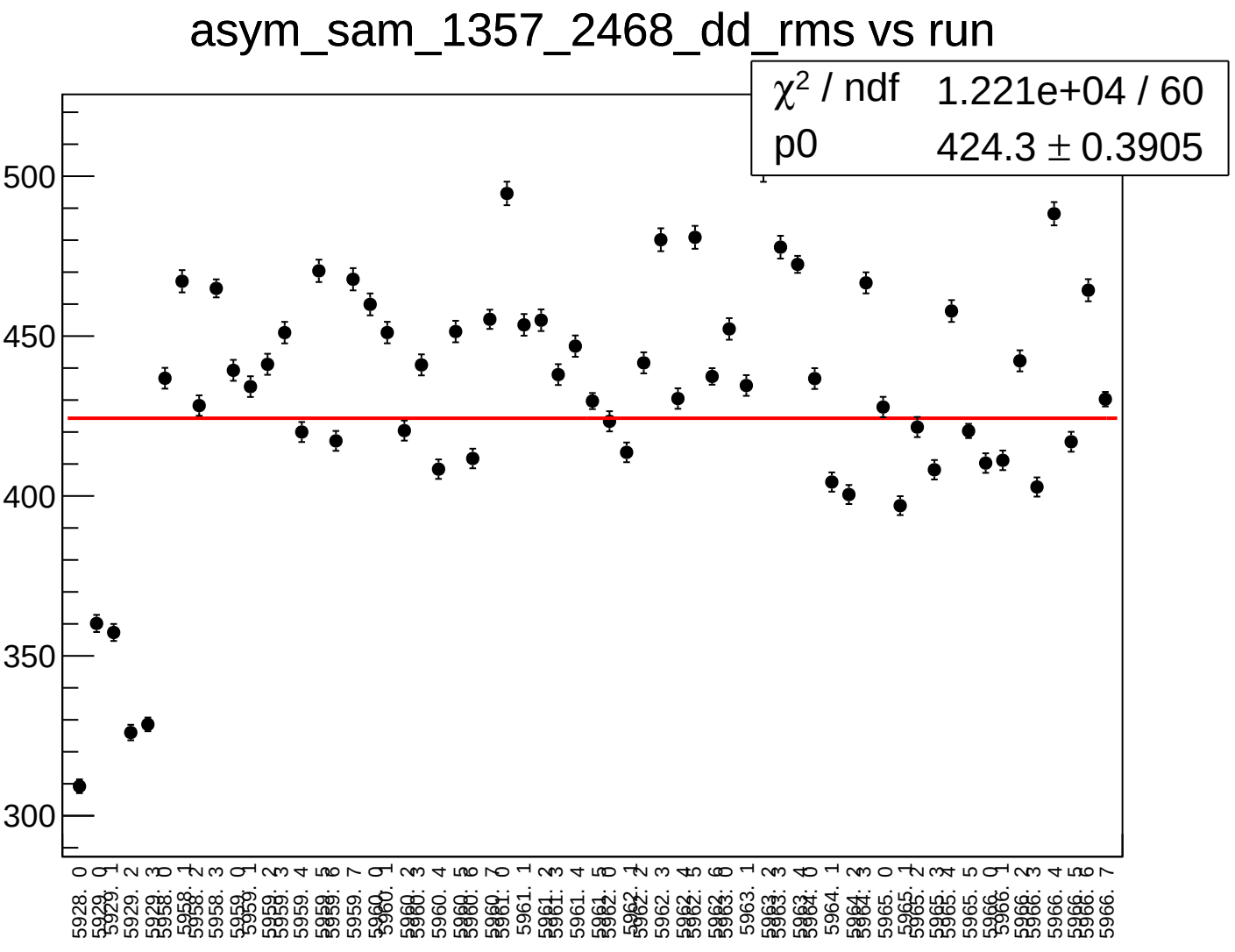

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.82 / 60
p0 635.9 ± 571.5
pull
Entries 61
Mean 61.85
Std Dev 0

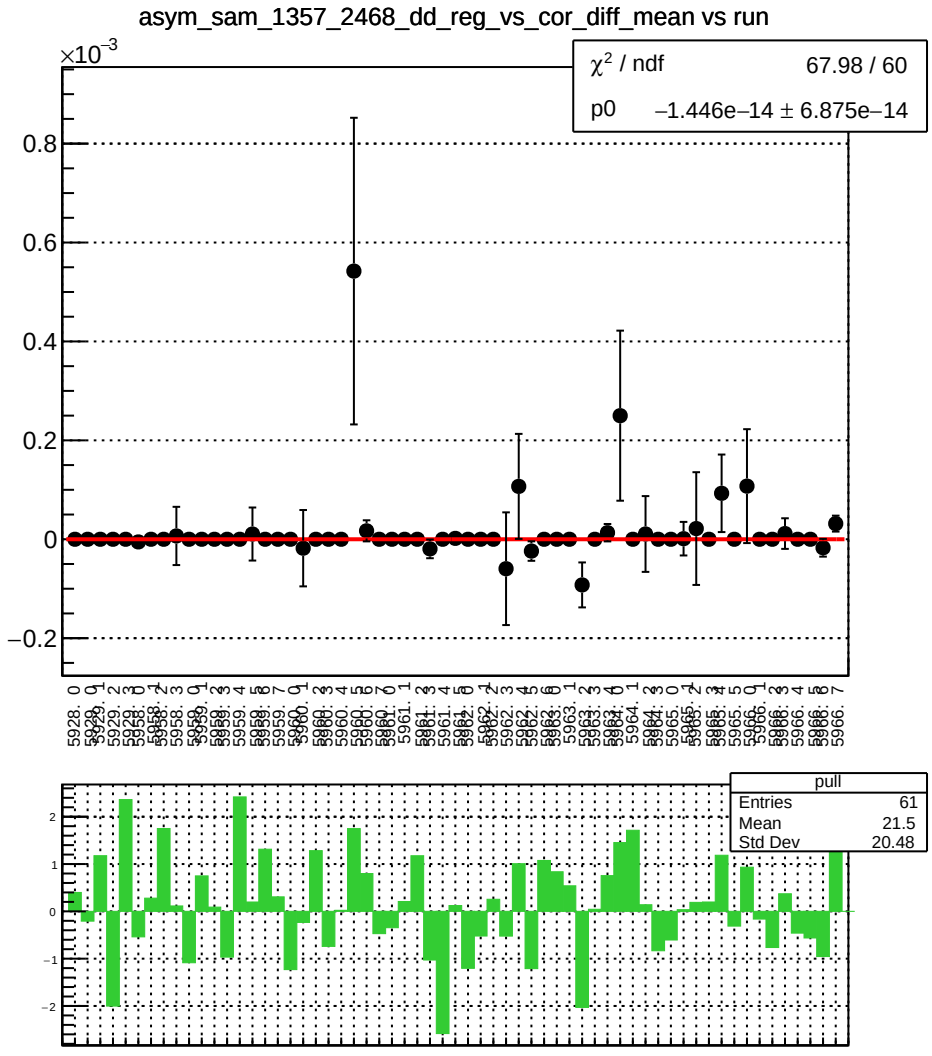

pull1D
Entries 61
Mean −0.02745
Std Dev 1.115

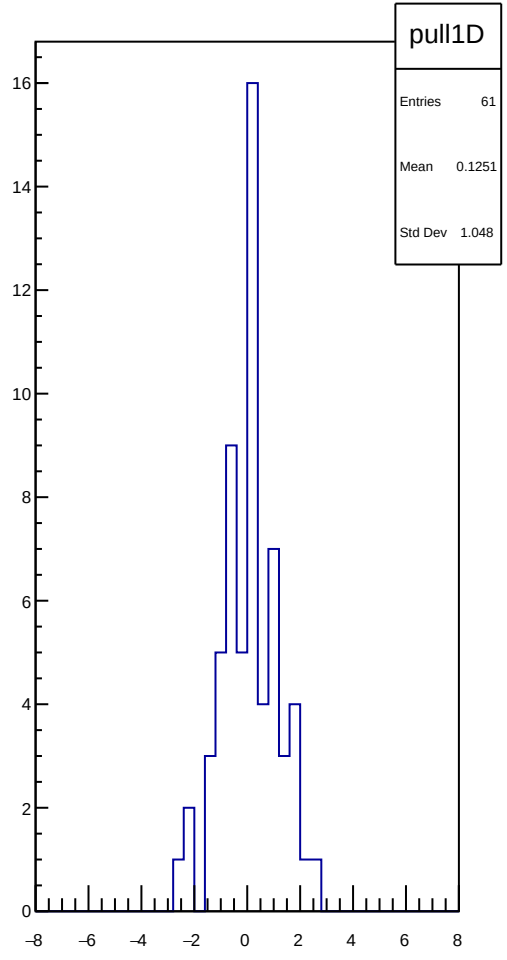

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.289e+04 / 60
p0 439 ± 0.4041
540
520
500
480
460
440
420
400
380
360
340
320

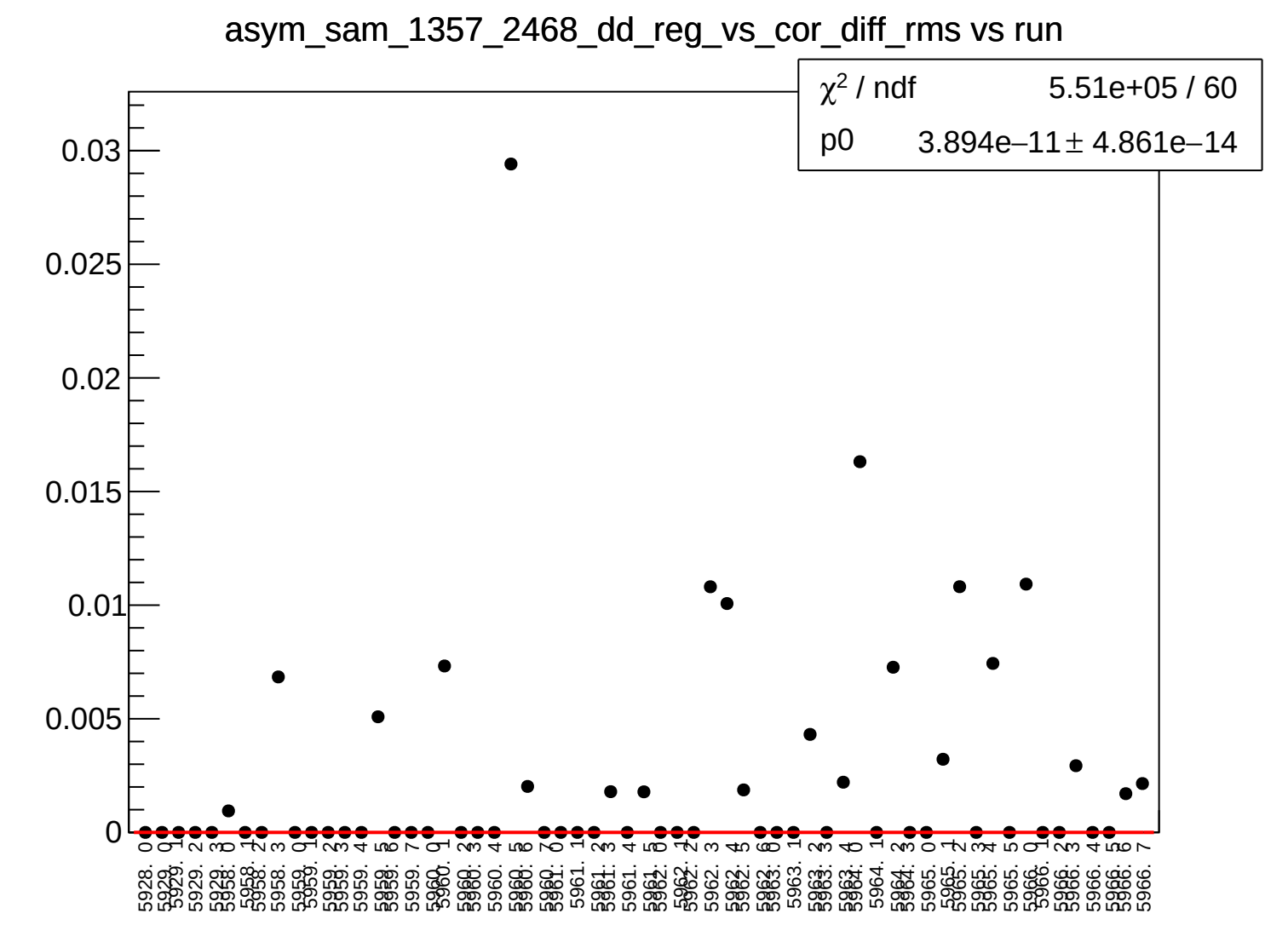

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 74.34 / 60
p0 −603 ± 552.3
pull
Entries 61
Mean 71.52
Std Dev 0

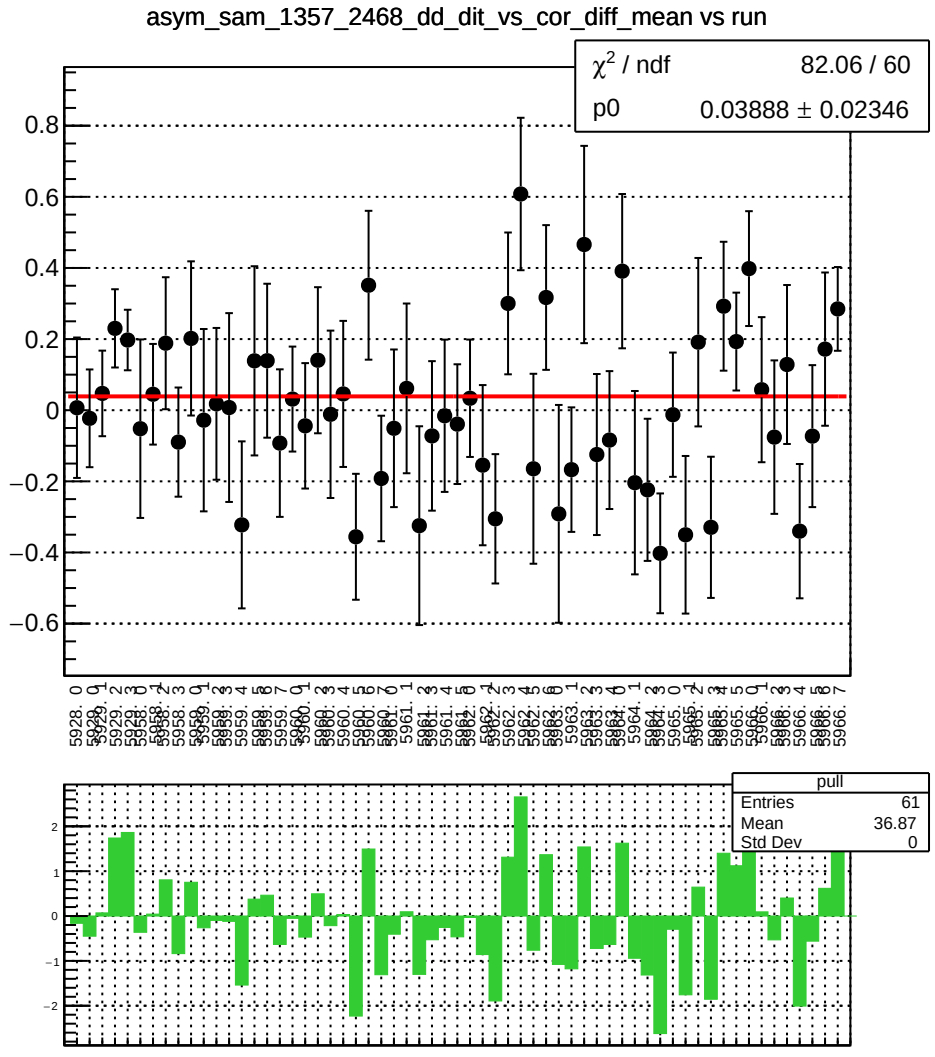

pull1D
Entries 61
Mean 0.02537
Std Dev 1.104

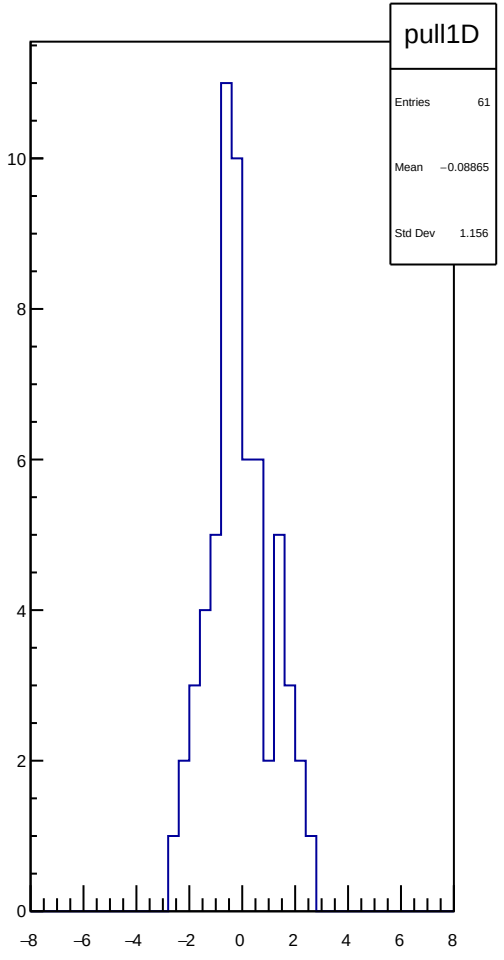

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.221e+04 / 60
p0 424.3 ± 0.3905
500
450
400
350
300

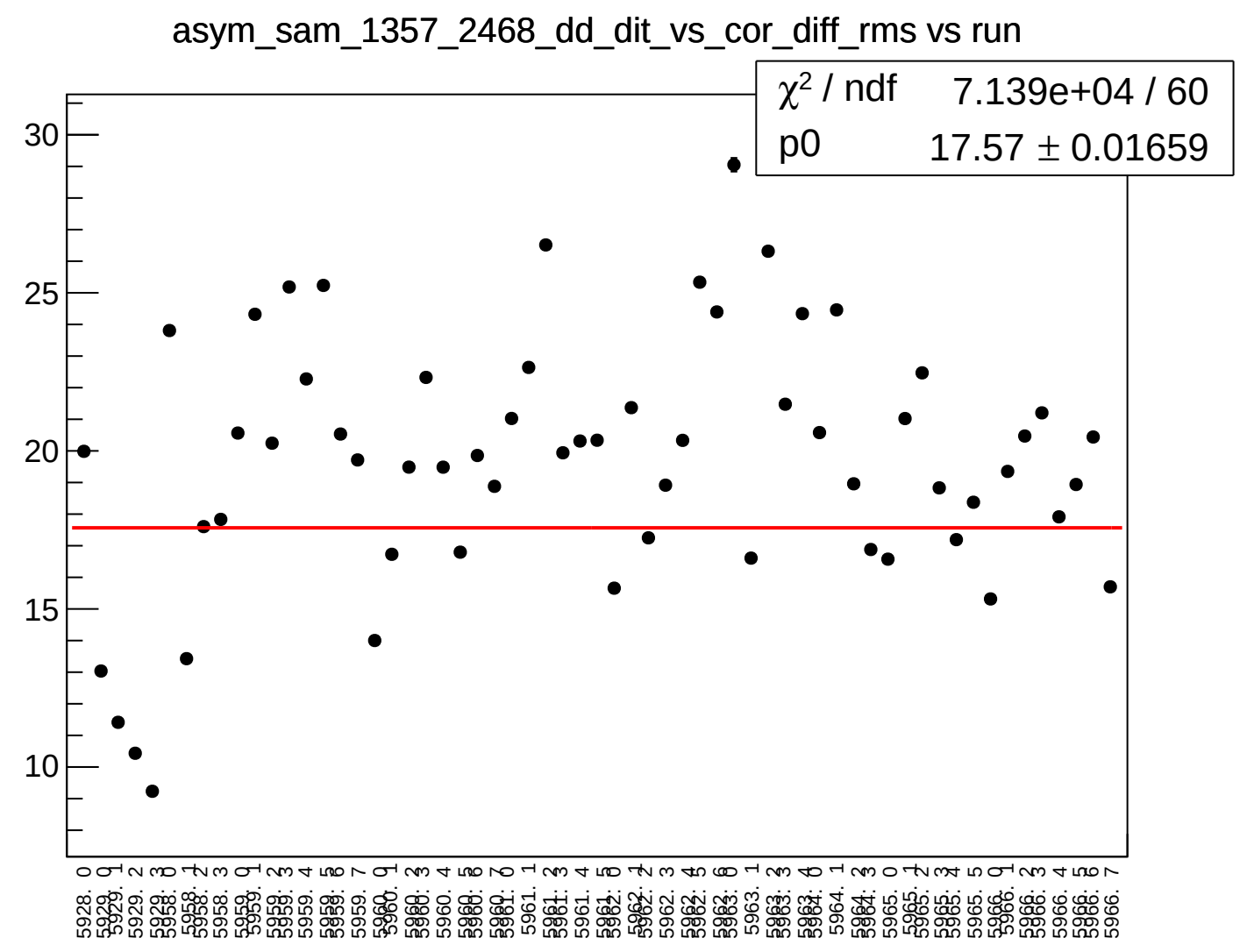

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 67.98 / 60
p0 −1.446e−14 ± 6.875e−14
pull
Entries 61
Mean 21.5
Std Dev 20.48

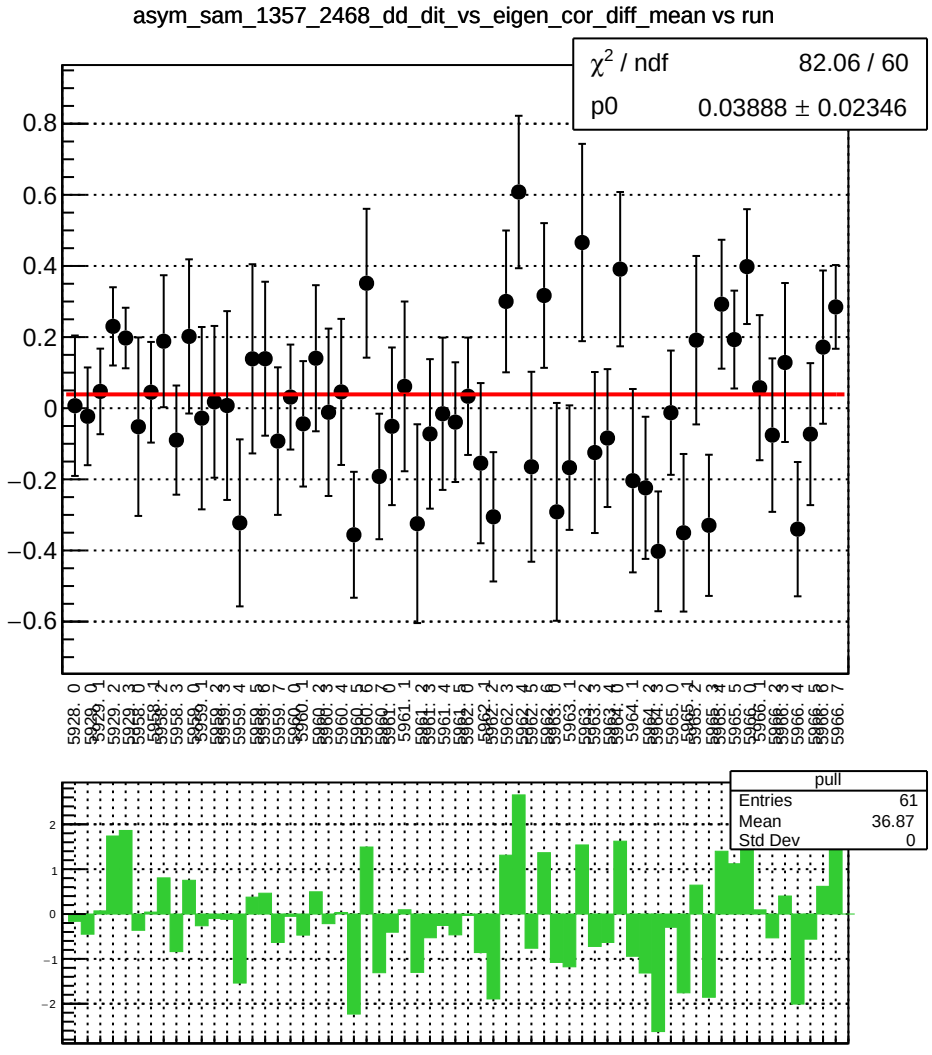

pull1D
Entries 61
Mean 0.1251
Std Dev 1.048

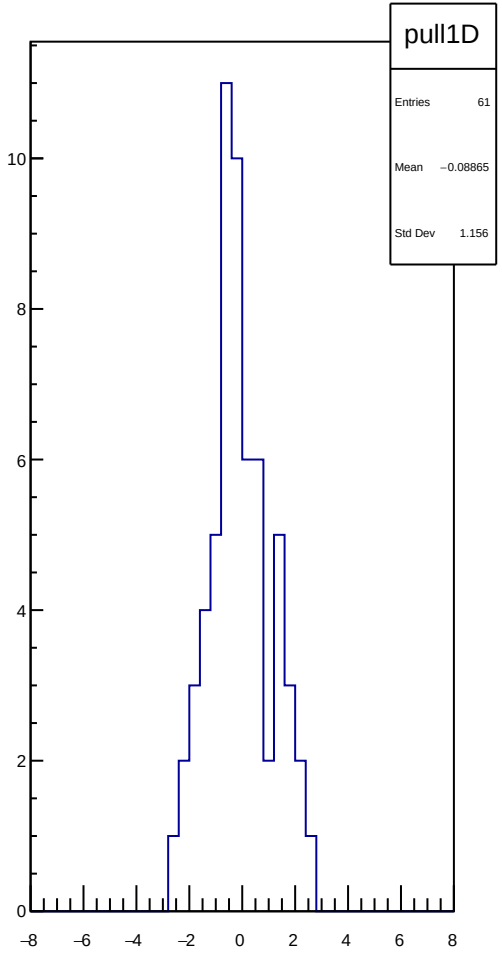

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.51e+05 / 60
p0 3.894e−11 ± 4.861e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

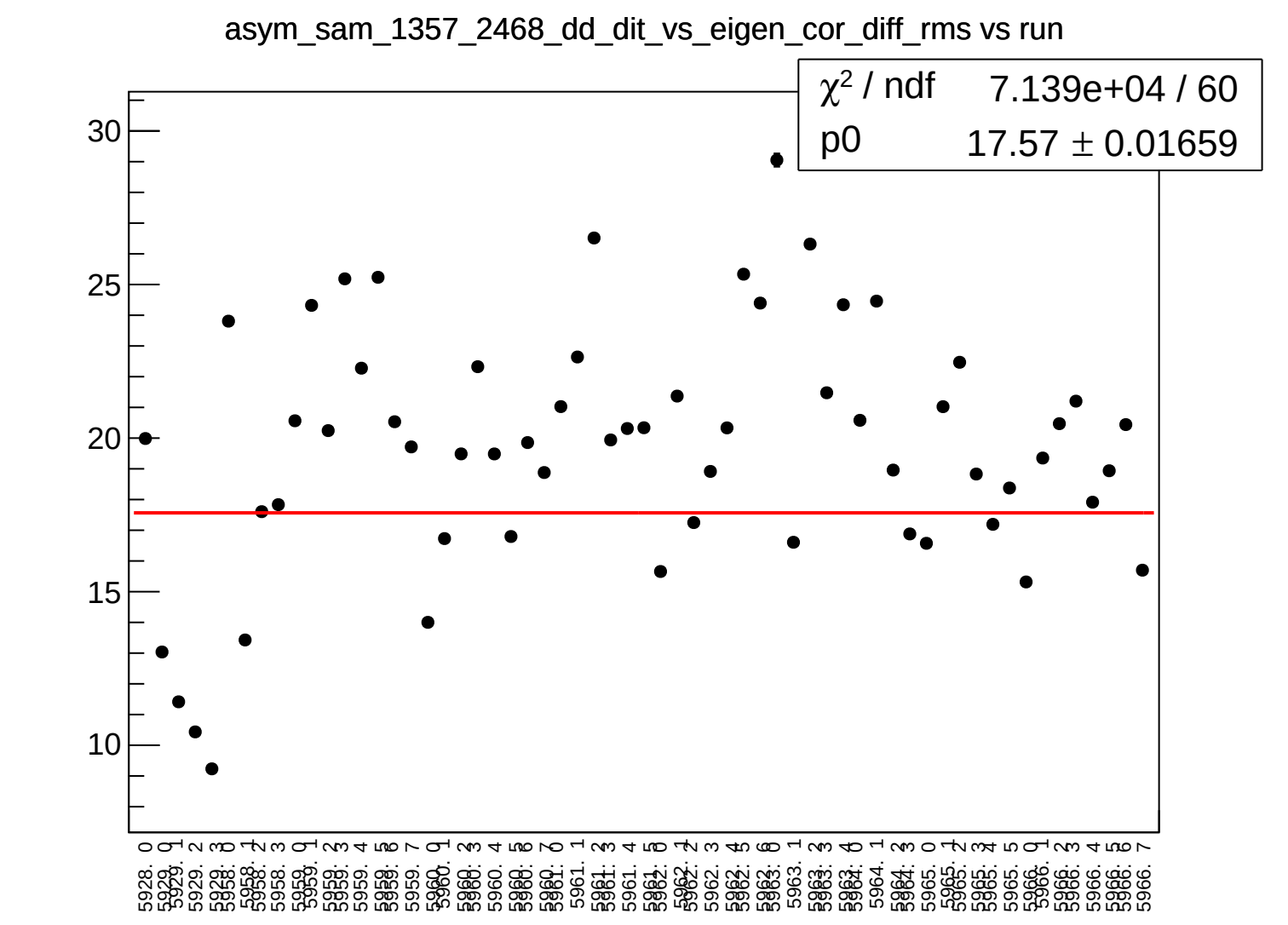

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.06 / 60
p0 0.03888 ± 0.02346
pull
Entries 61
Mean 36.87
Std Dev 0

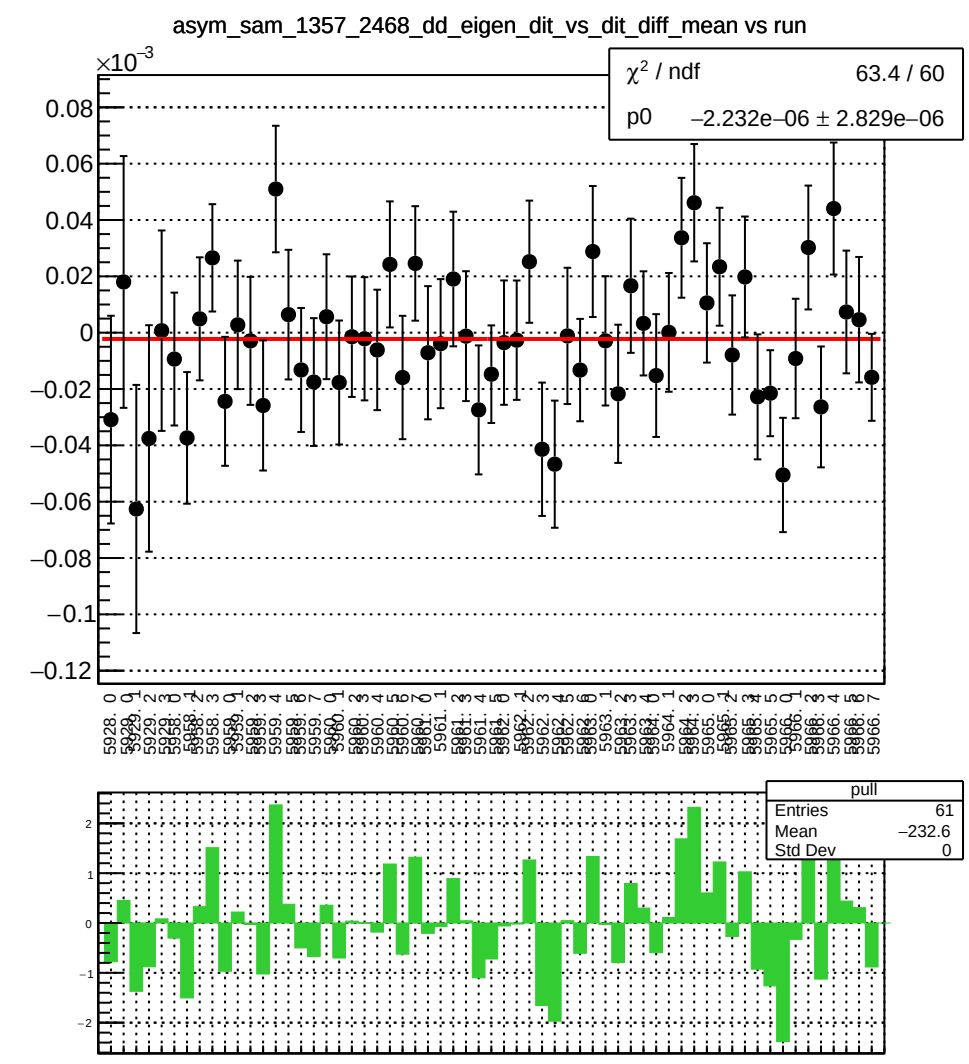

pull1D
Entries 61
Mean −0.08865
Std Dev 1.156

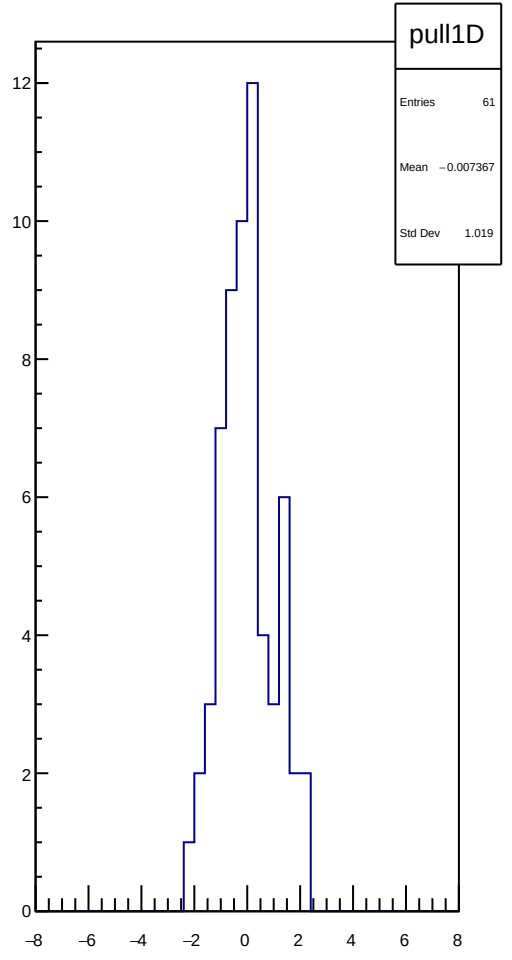

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.139e+04 / 60
p0 17.57 ± 0.01659
30
25
20
15
10

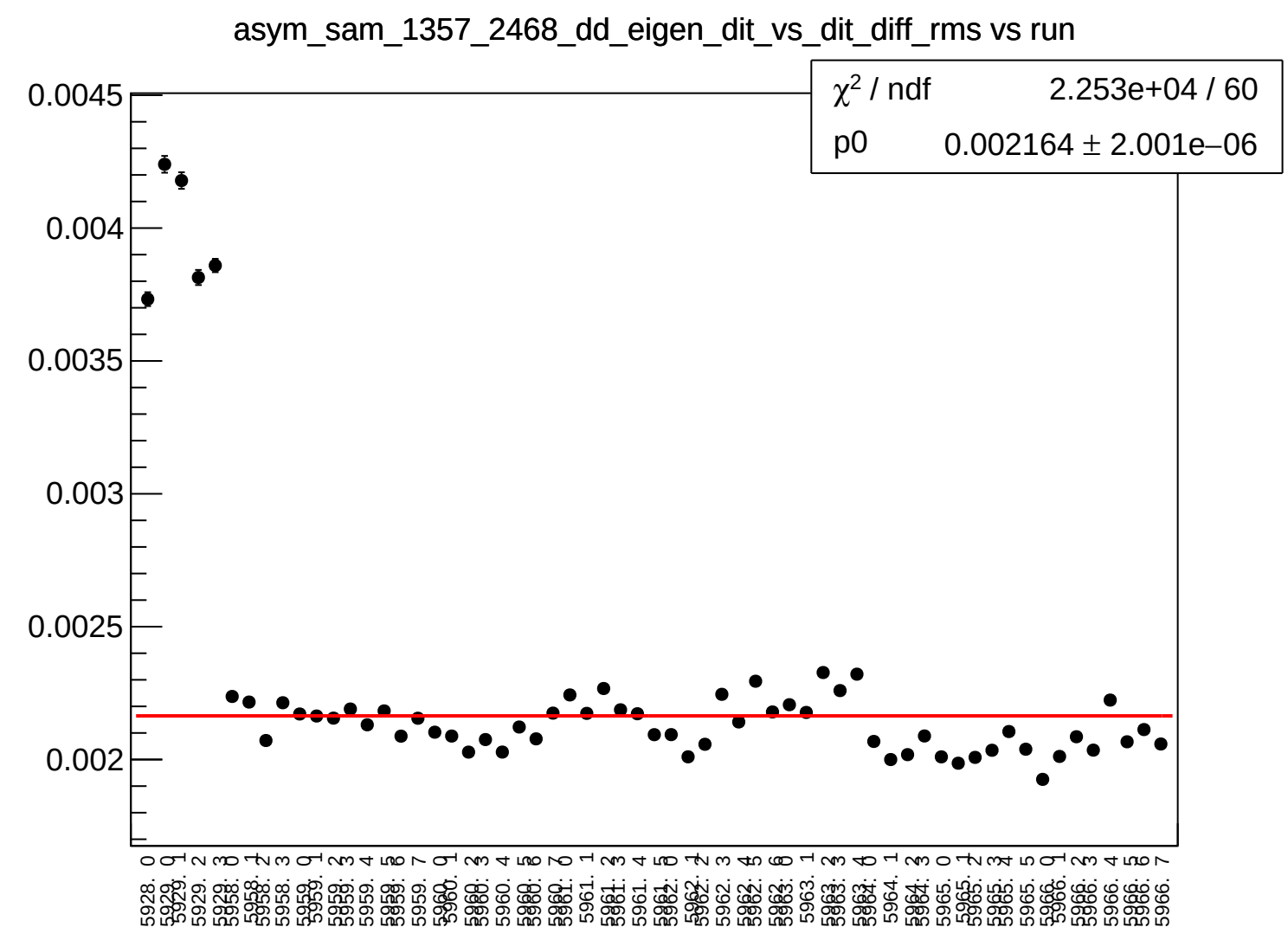

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.06 / 60
p0 0.03888 ± 0.02346
pull
Entries 61
Mean 36.87
Std Dev 0

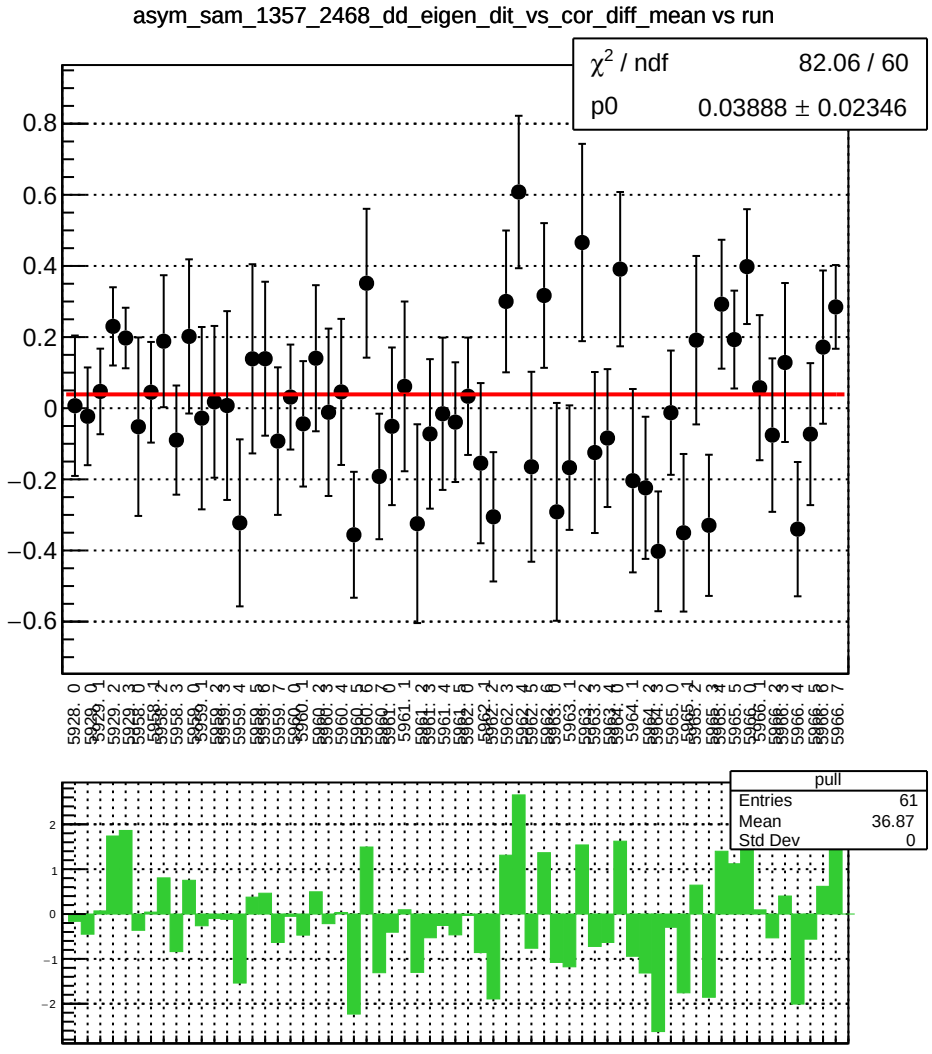

pull1D
Entries 61
Mean −0.08865
Std Dev 1.156

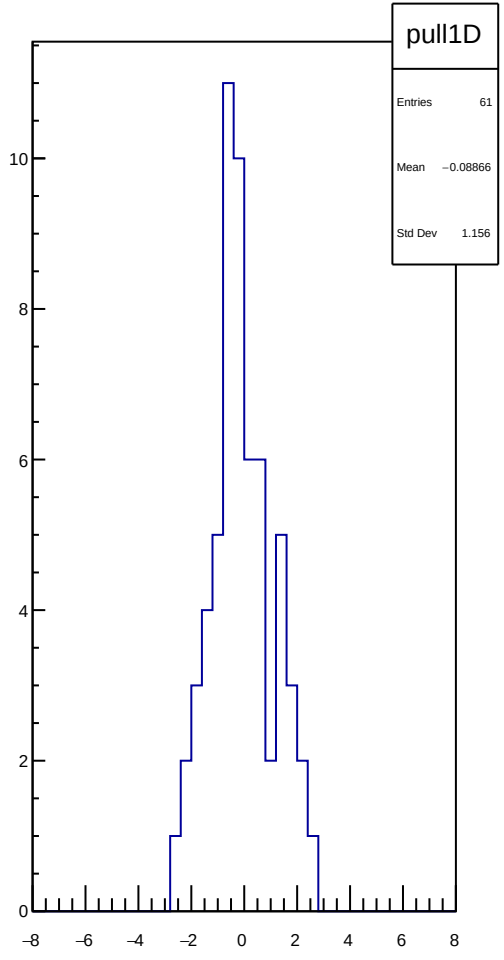

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.139e+04 / 60
p0 17.57 ± 0.01659
30
25
20
15
10

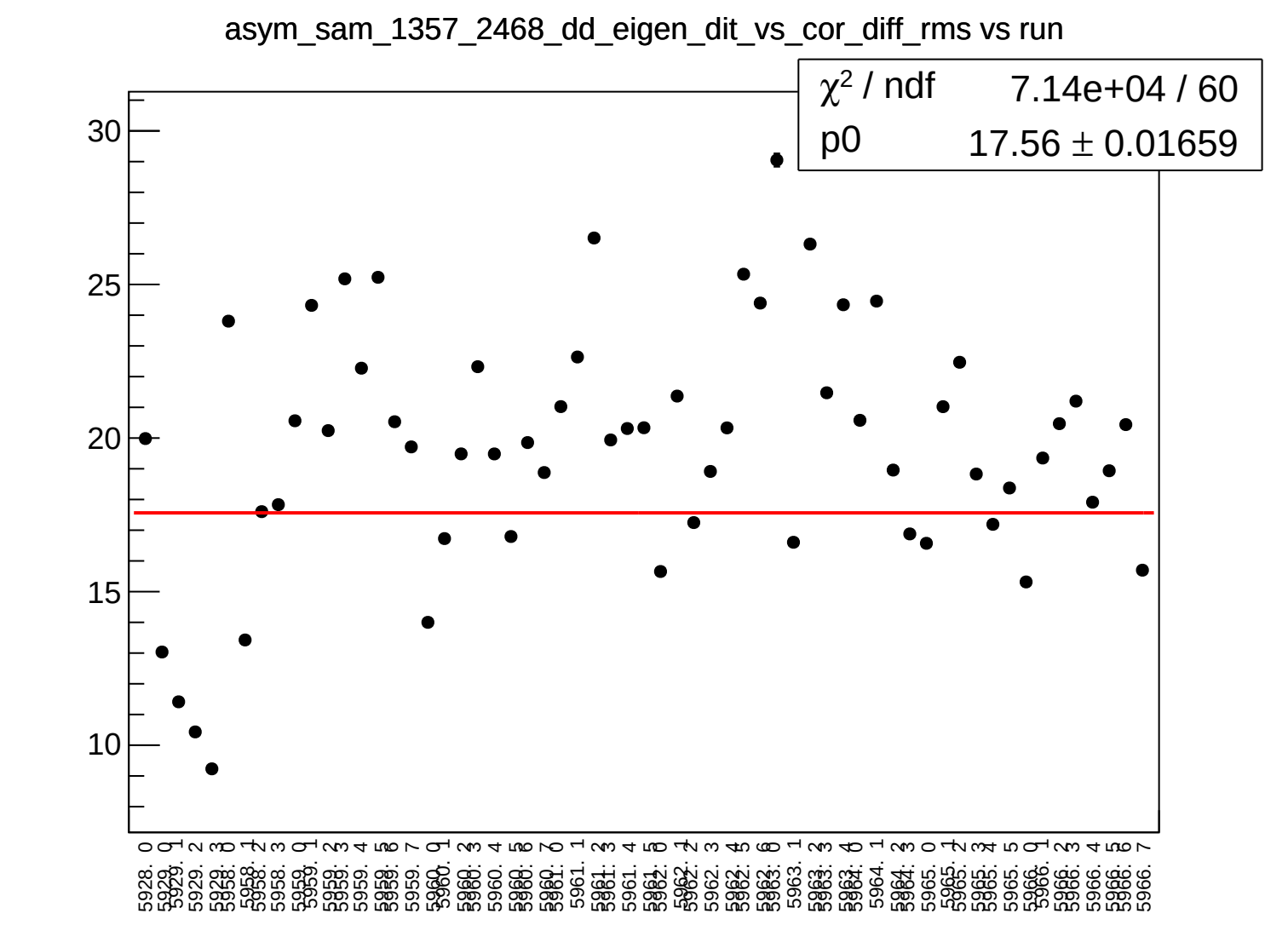

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 63.4 / 60
p0 −2.232e−06 ± 2.829e−06
pull
Entries 61
Mean −232.6
Std Dev 0

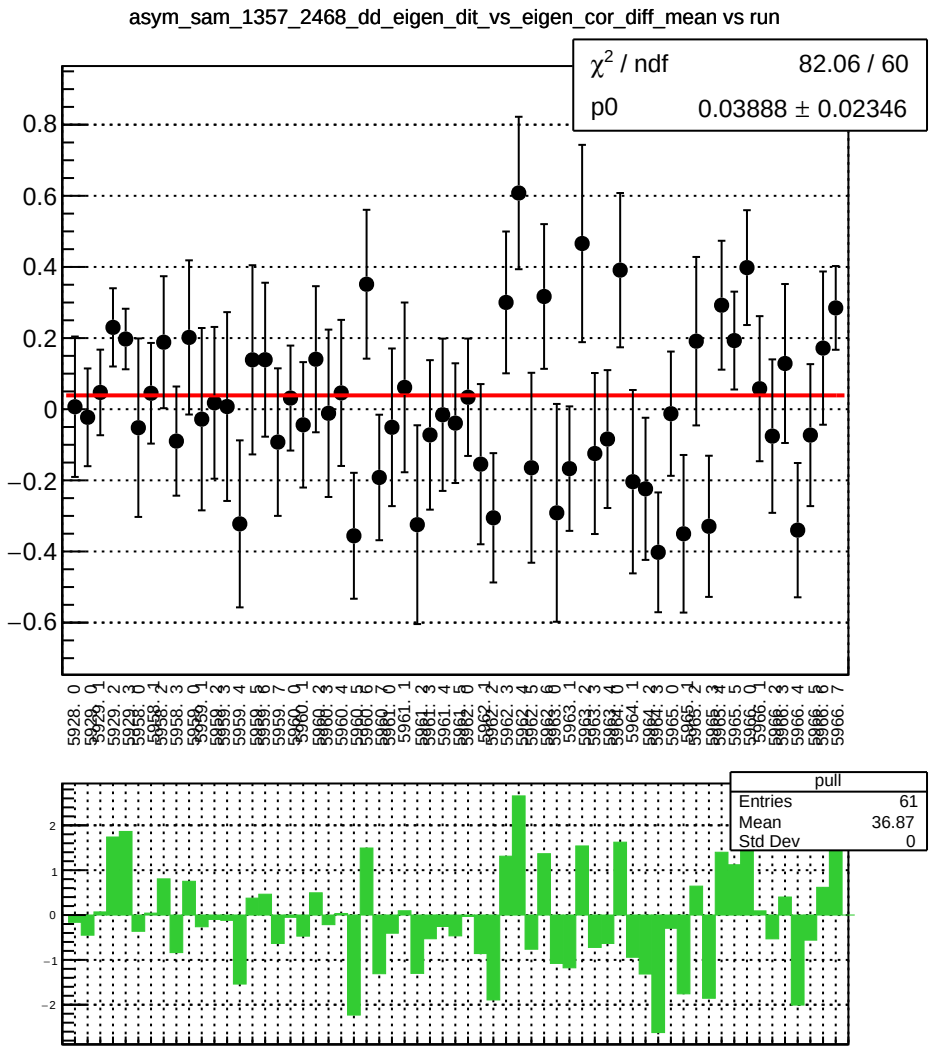

pull1D
Entries 61
Mean −0.007367
Std Dev 1.019

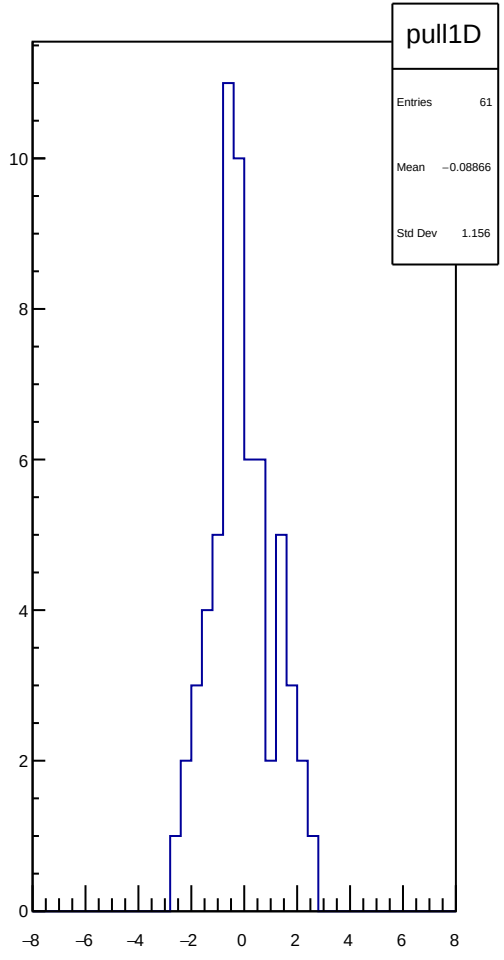

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.253e+04 / 60
p0 0.002164 ± 2.001e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002

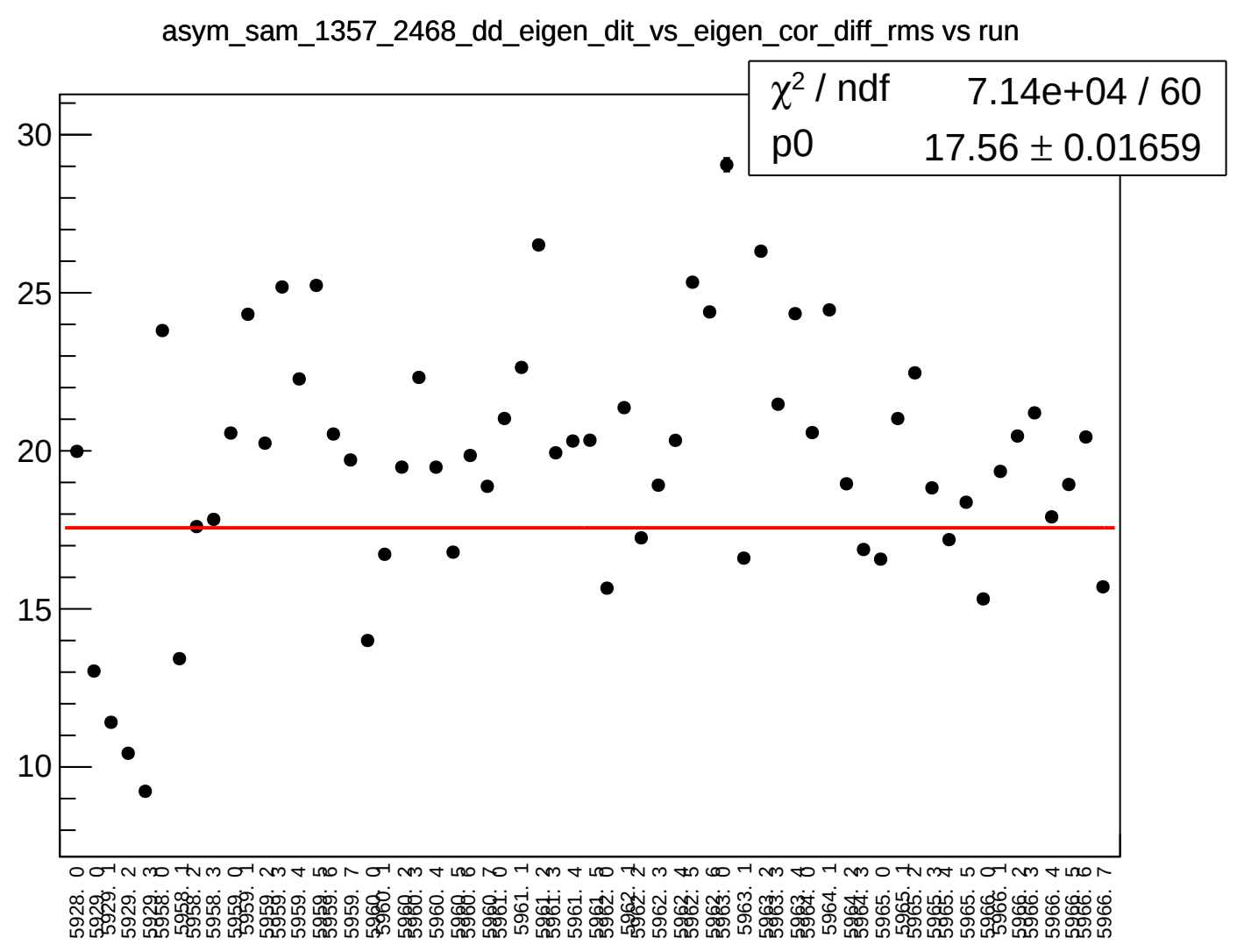

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.06 / 60
p0 0.03888 ± 0.02346
pull
Entries 61
Mean 36.87
Std Dev 0

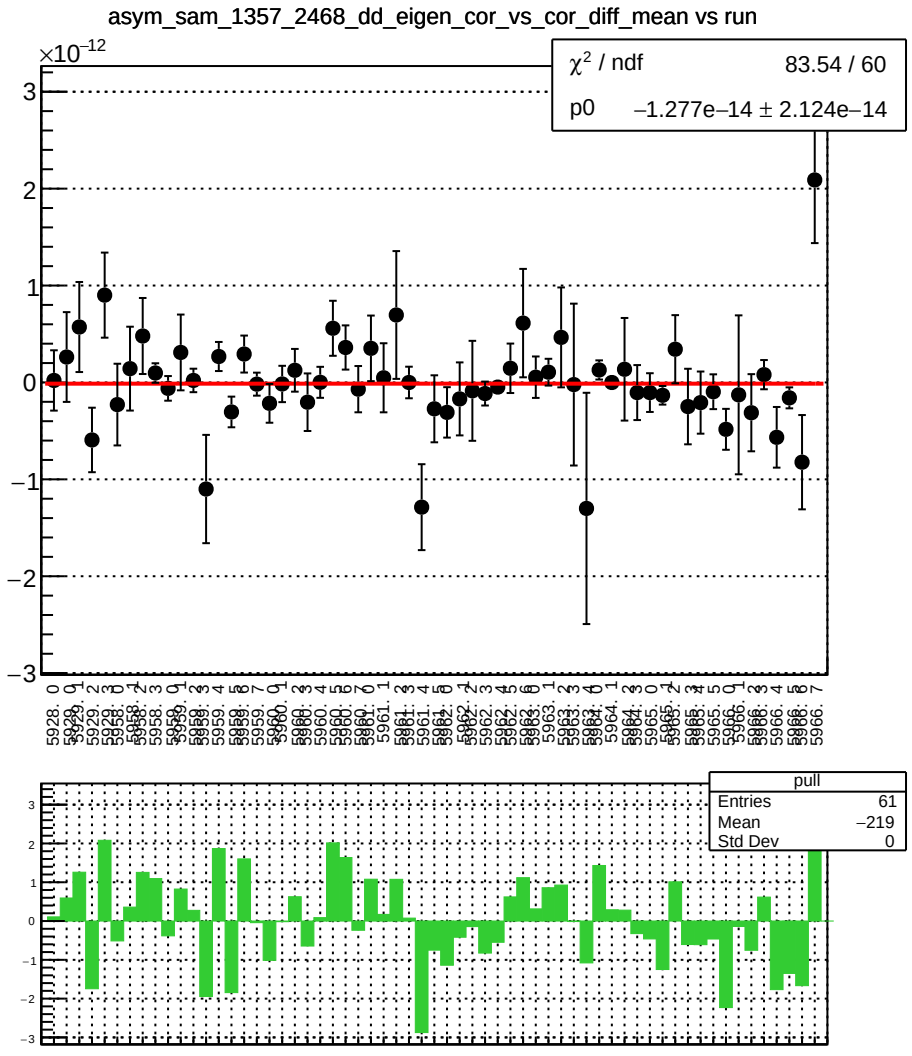

pull1D
Entries 61
Mean −0.08866
Std Dev 1.156

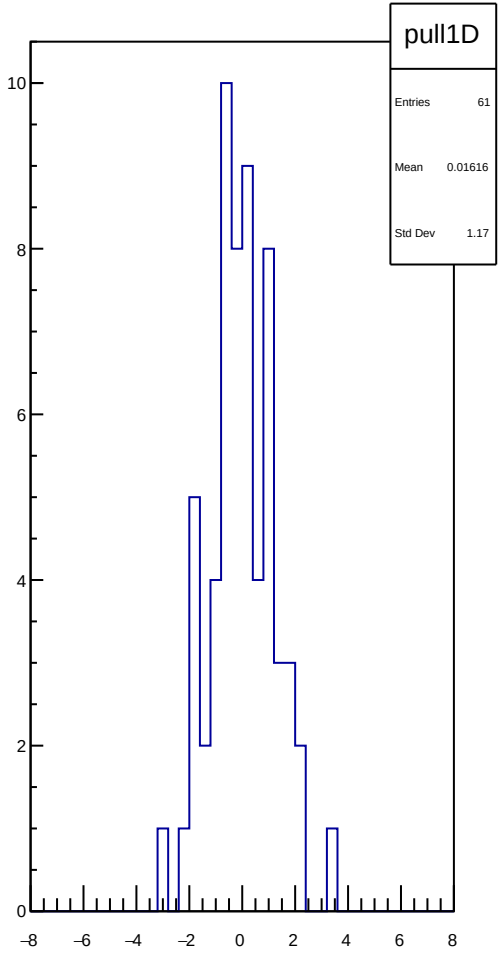

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.14e+04 / 60
p0 17.56 ± 0.01659
30
25
20
15
10

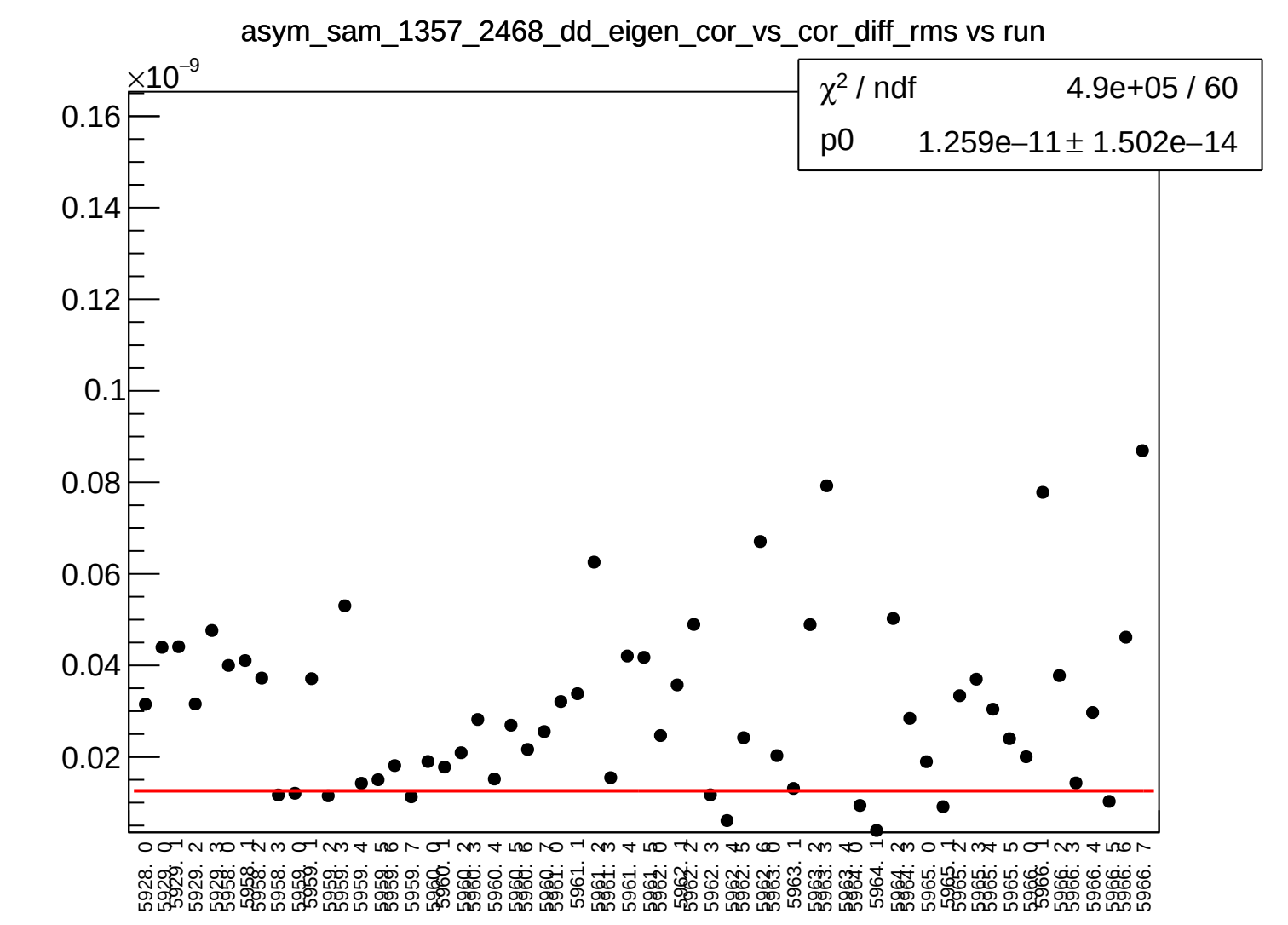

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.06 / 60
p0 0.03888 ± 0.02346
pull
Entries 61
Mean 36.87
Std Dev 0

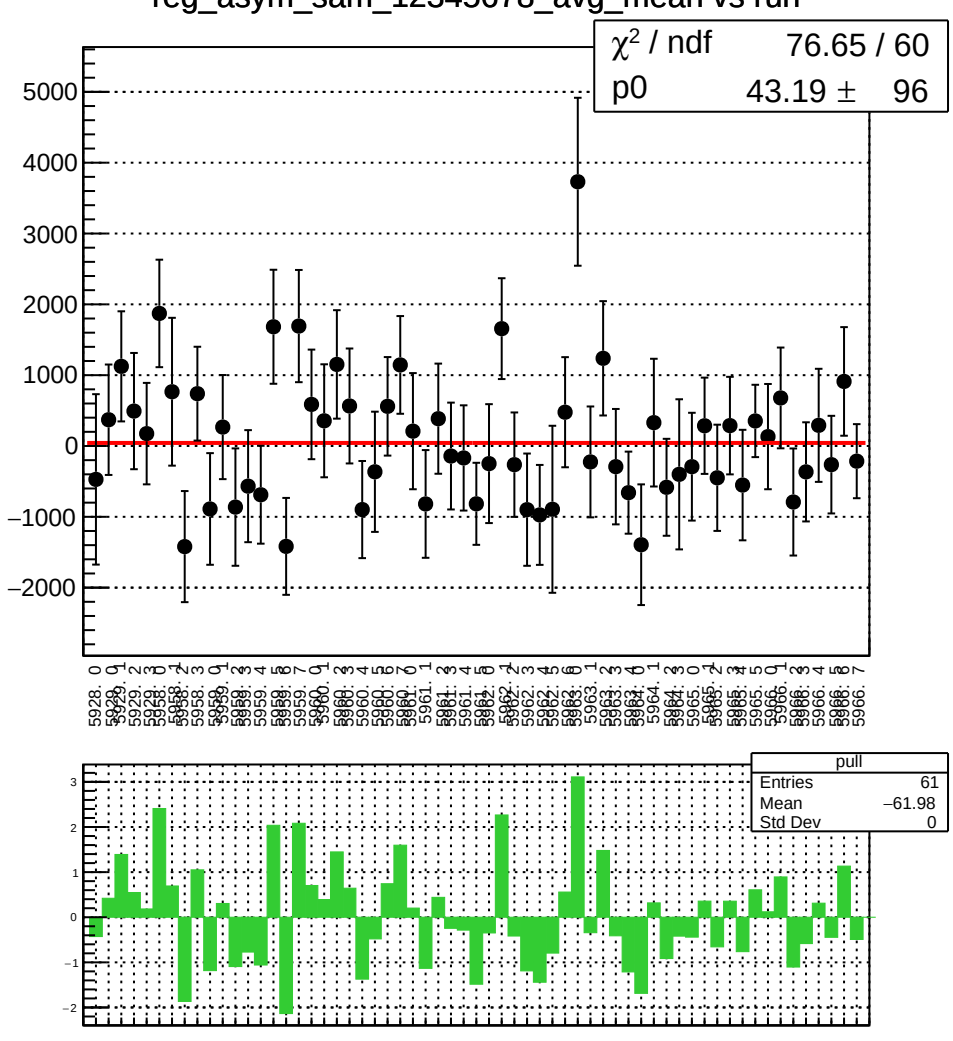

pull1D
Entries 61
Mean −0.08866
Std Dev 1.156

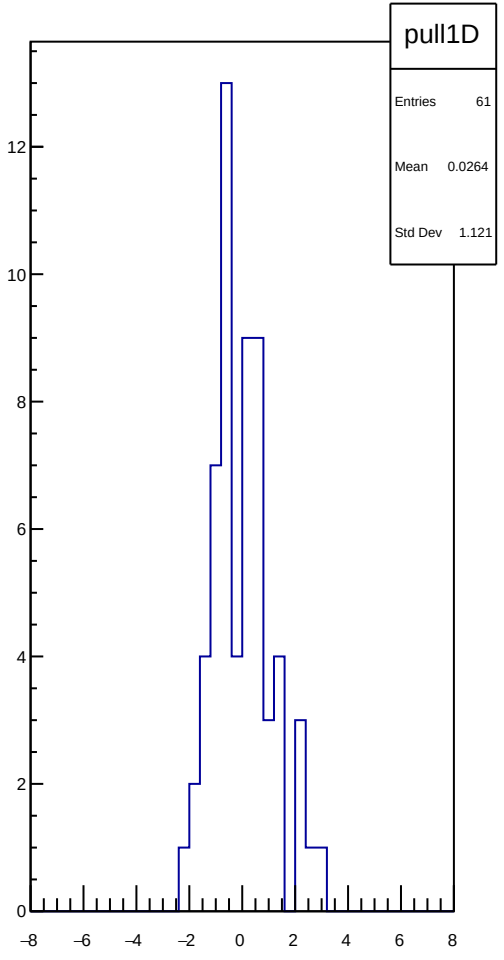

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.14e+04 / 60
p0 17.56 ± 0.01659
30
25
20
15
10

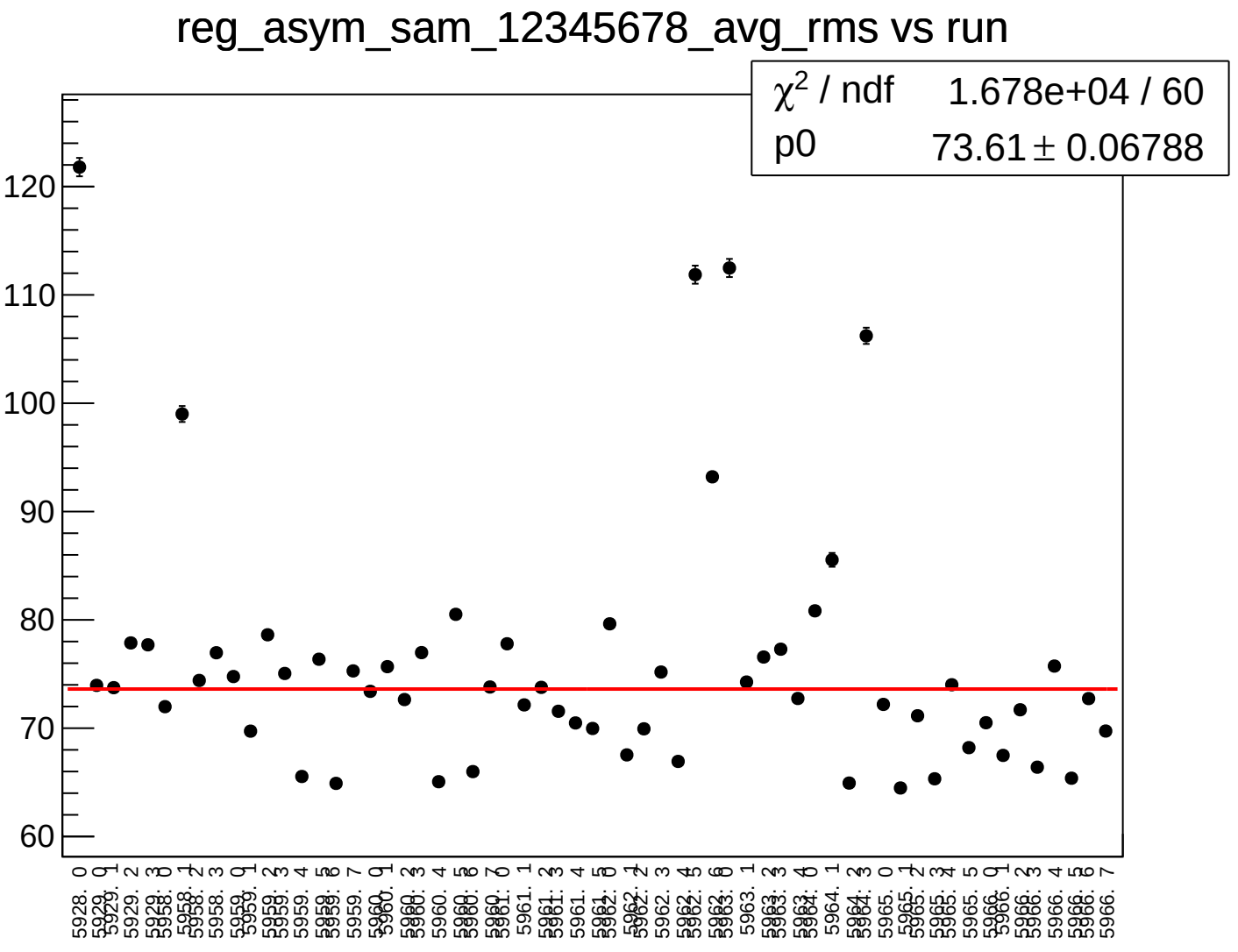

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 83.54 / 60
p0 −1.277e−14 ± 2.124e−14
pull
Entries 61
Mean −219
Std Dev 0

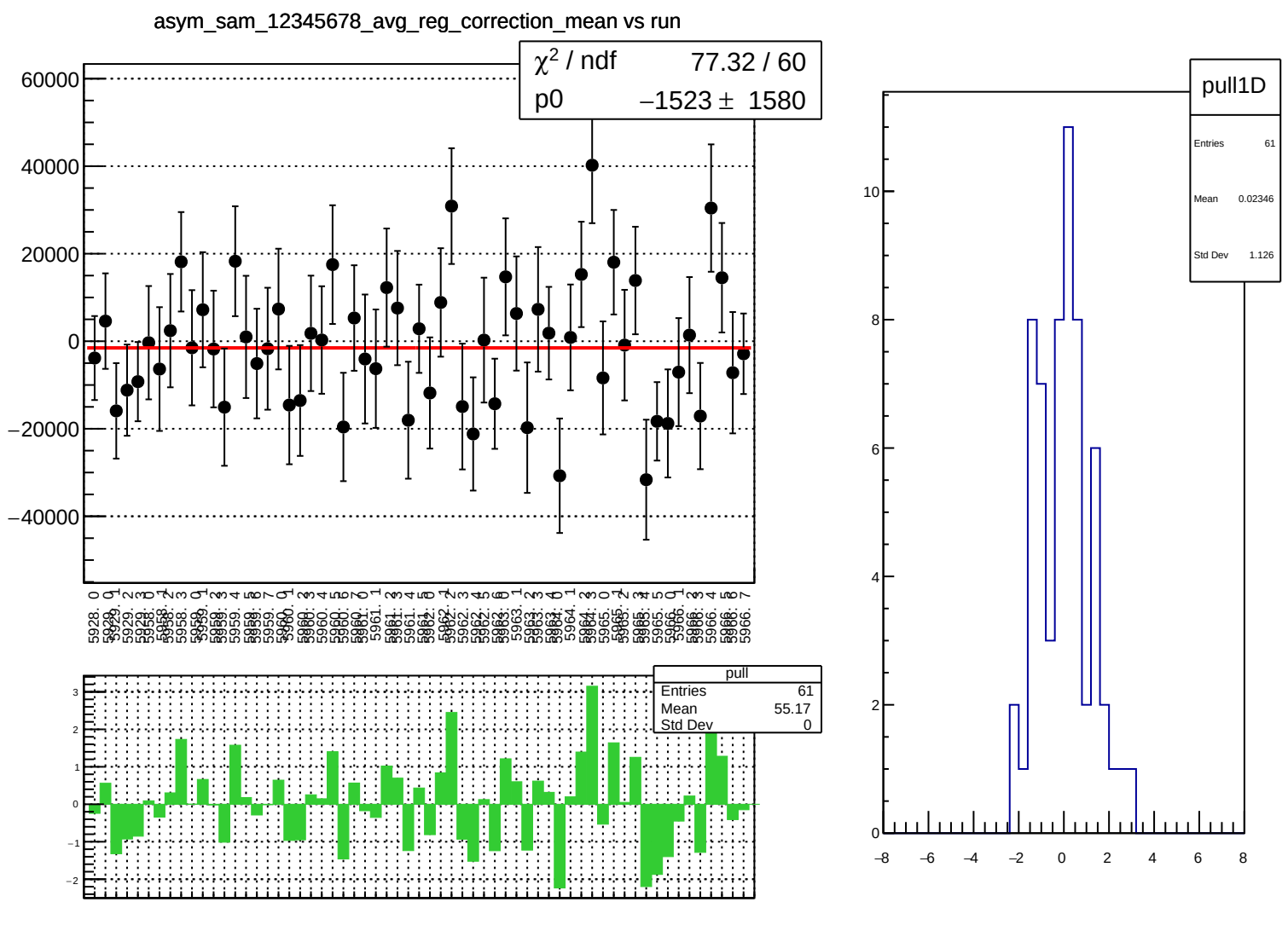

pull1D
Entries 61
Mean 0.01616
Std Dev 1.17

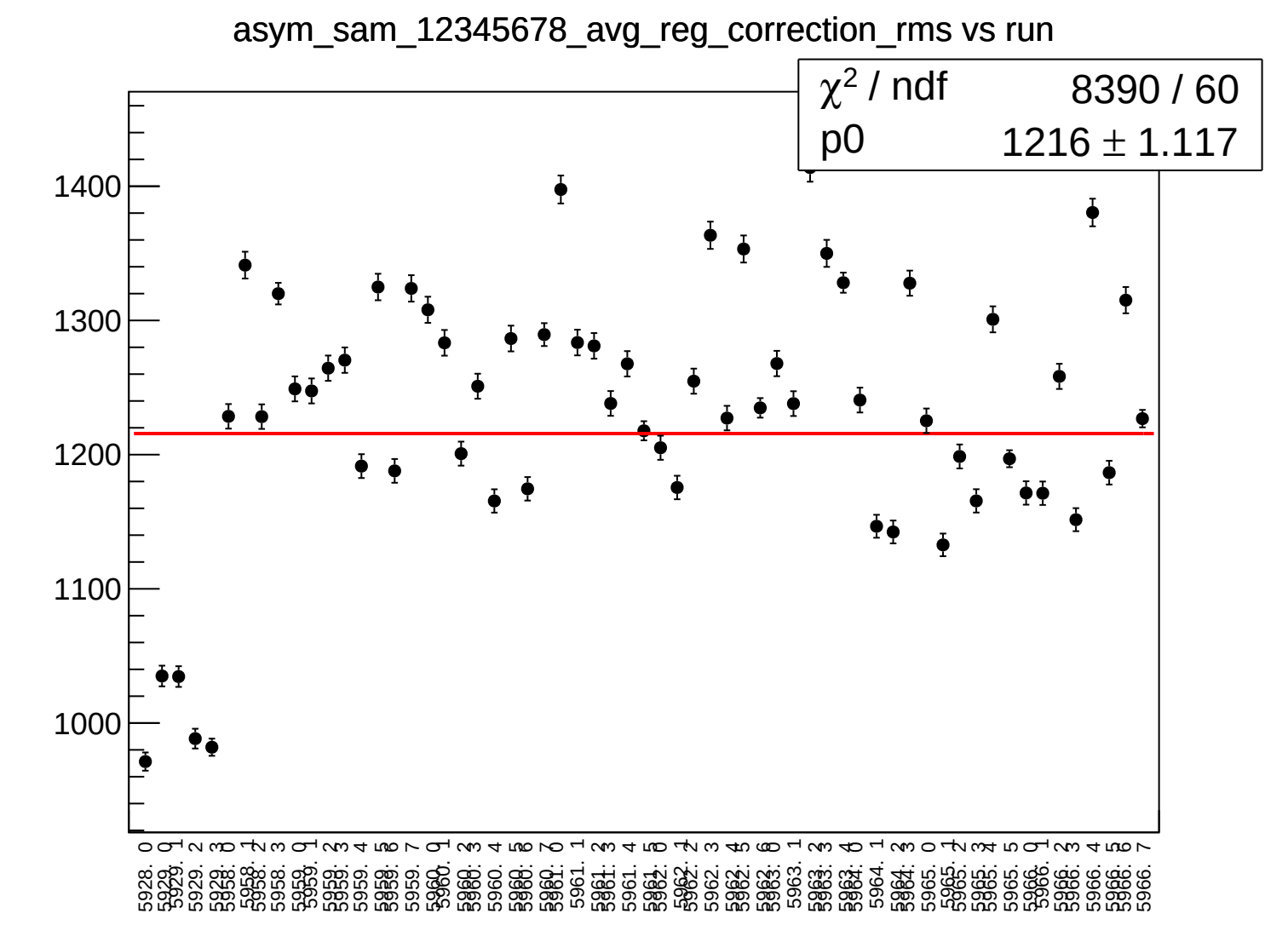

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.9e+05 / 60
p0 1.259e−11 ± 1.502e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

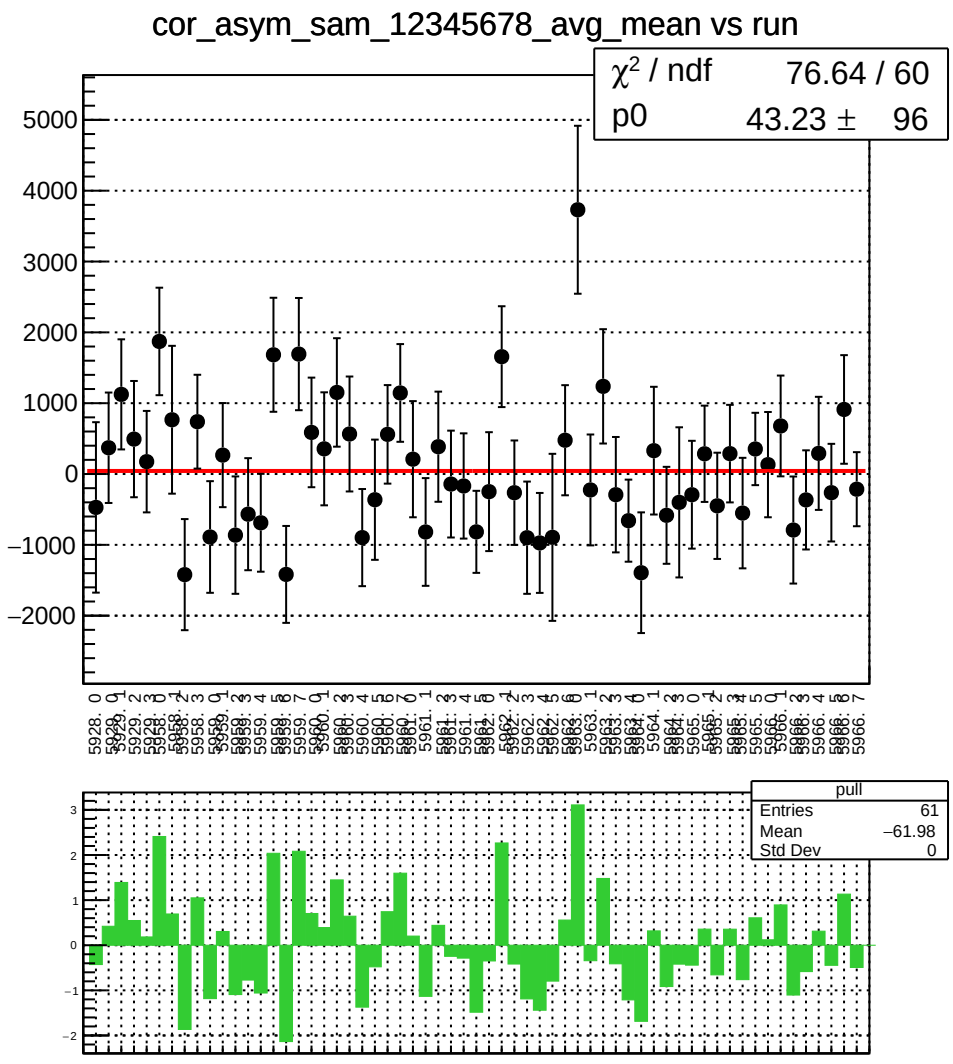

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.65 / 60
p0 43.19 ± 96
pull
Entries 61
Mean −61.98
Std Dev 0

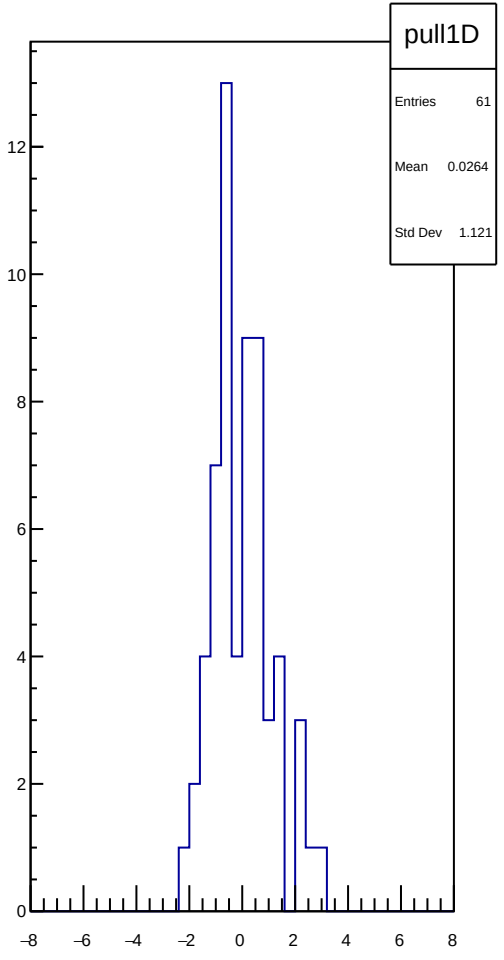

pull1D
Entries 61
Mean 0.0264
Std Dev 1.121

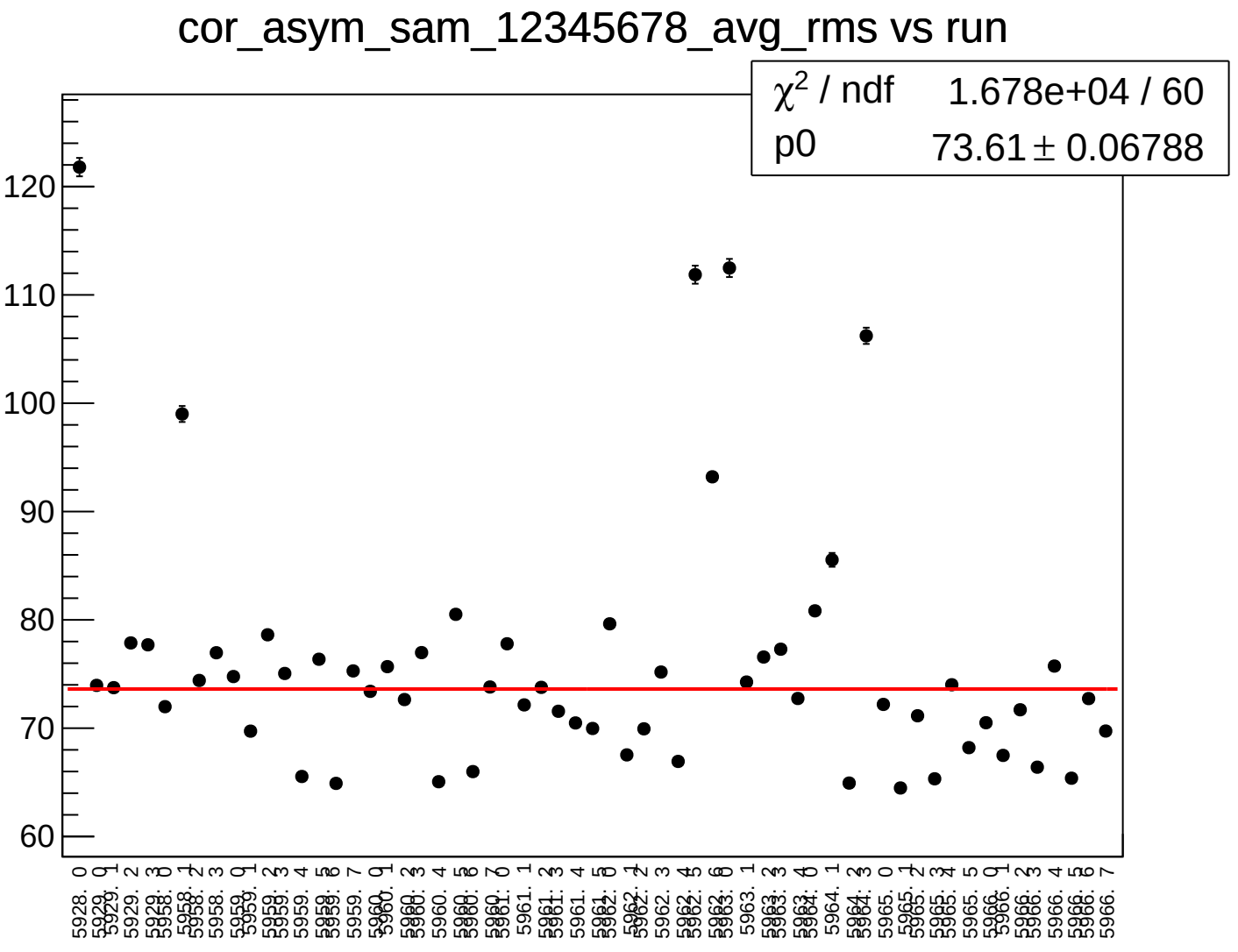

reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.678e+04 / 60
p0 73.61 ± 0.06788
120
110
100
90
80
70
60

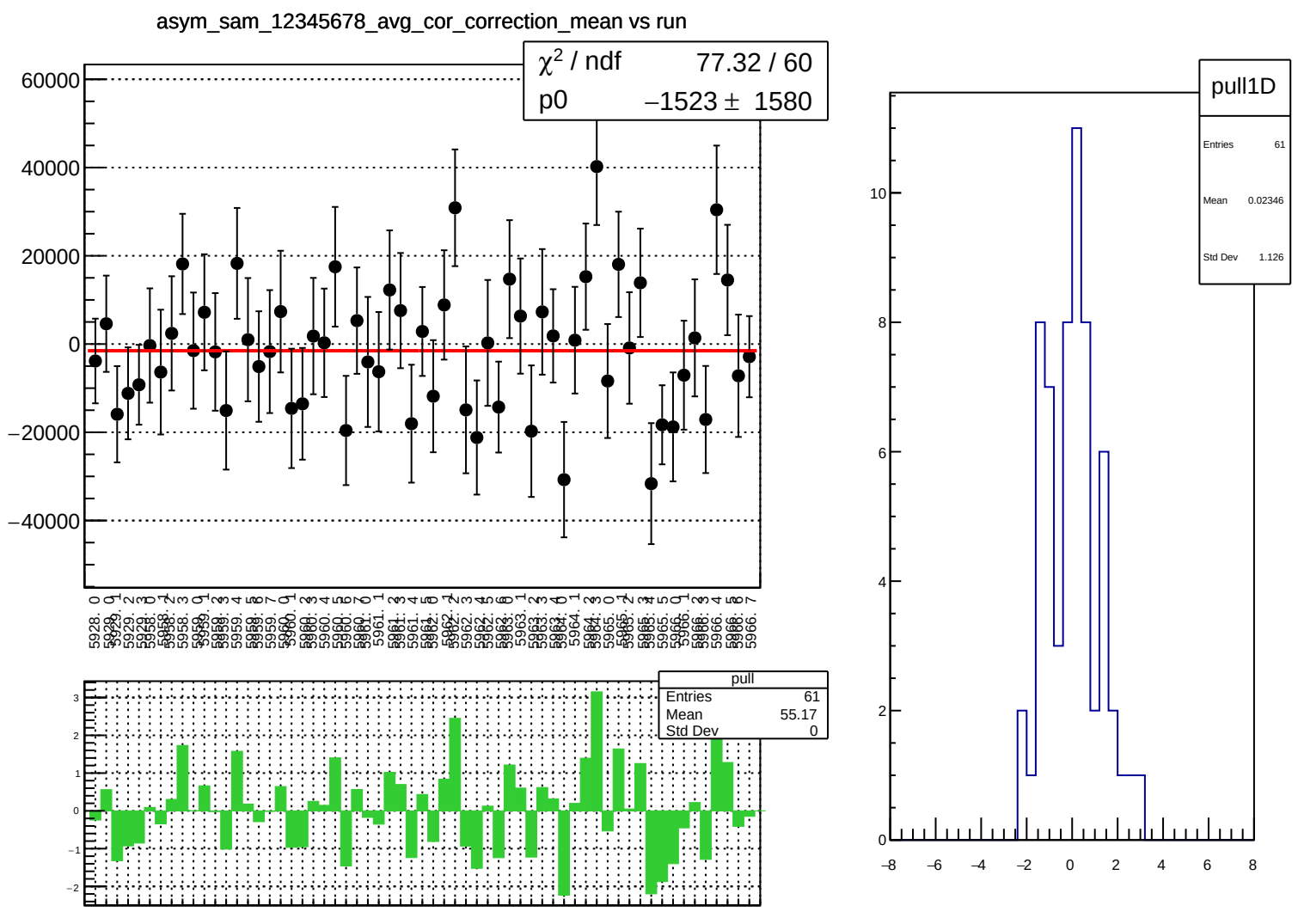

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 77.32 / 60
p0 −1523 ± 1580
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 55.17
Std Dev 0
pull1D
Entries 61
Mean 0.02346
Std Dev 1.126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

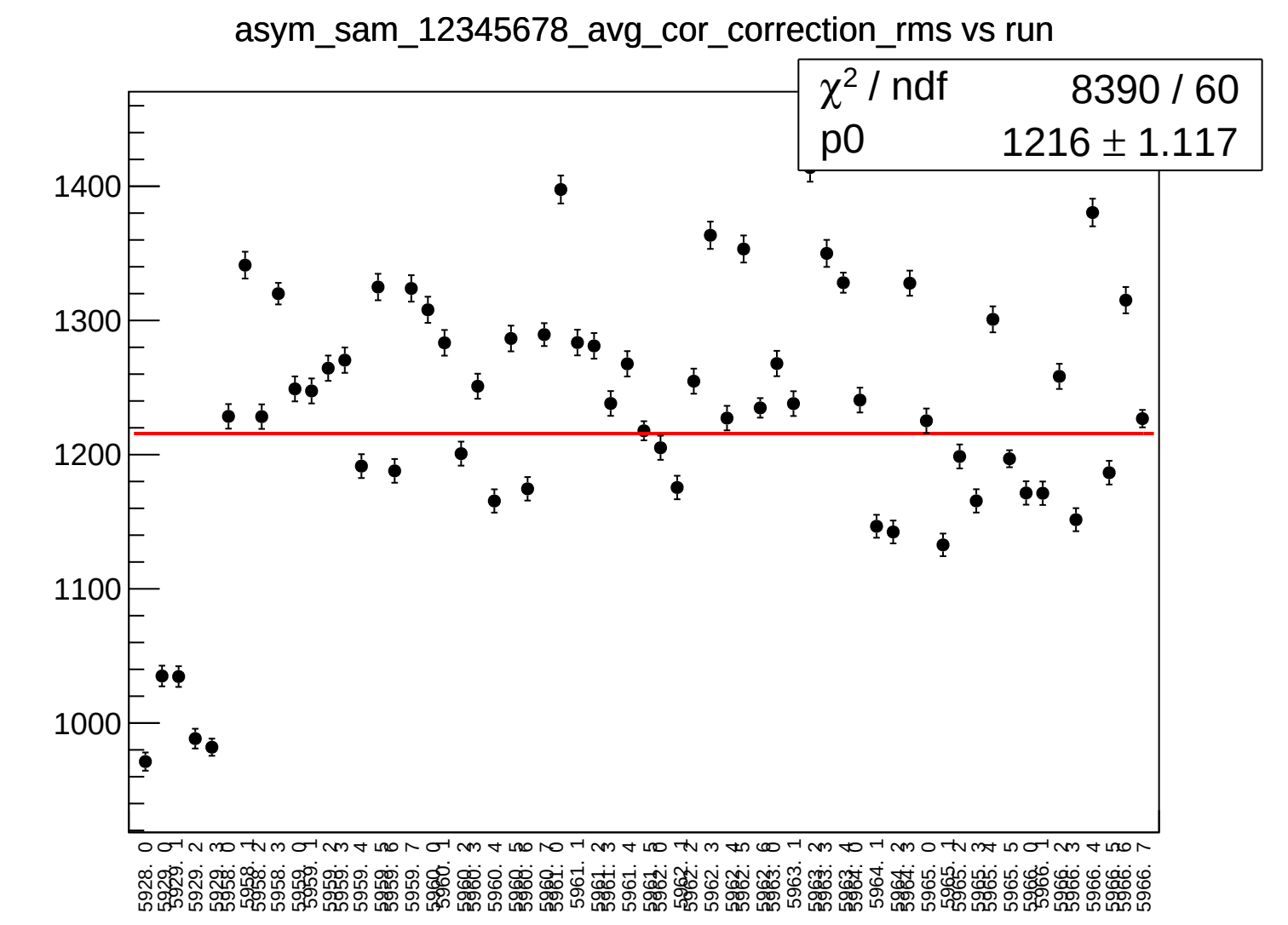

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 8390 / 60
p0 1216 ± 1.117
1400
1300
1200
1100
1000

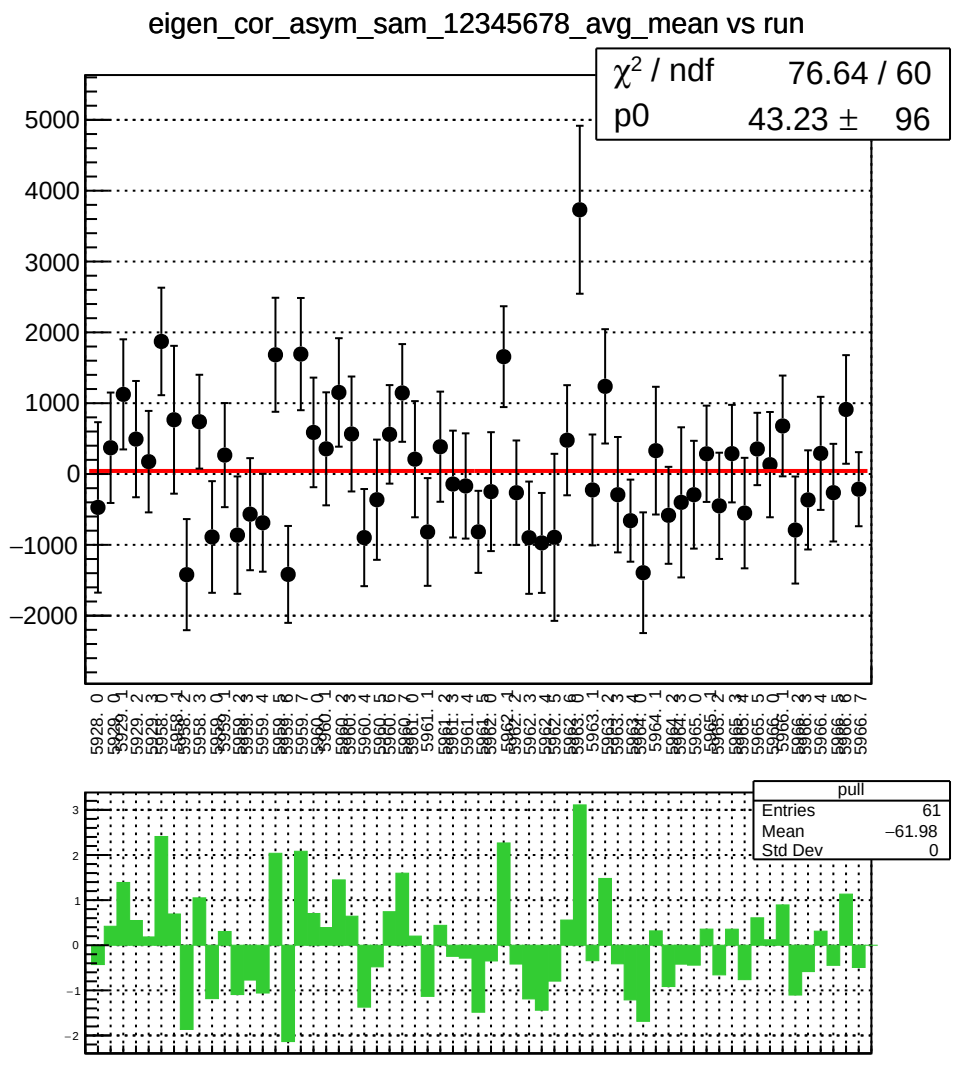

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.64 / 60
p0 43.23 ± 96
pull
Entries 61
Mean −61.98
Std Dev 0

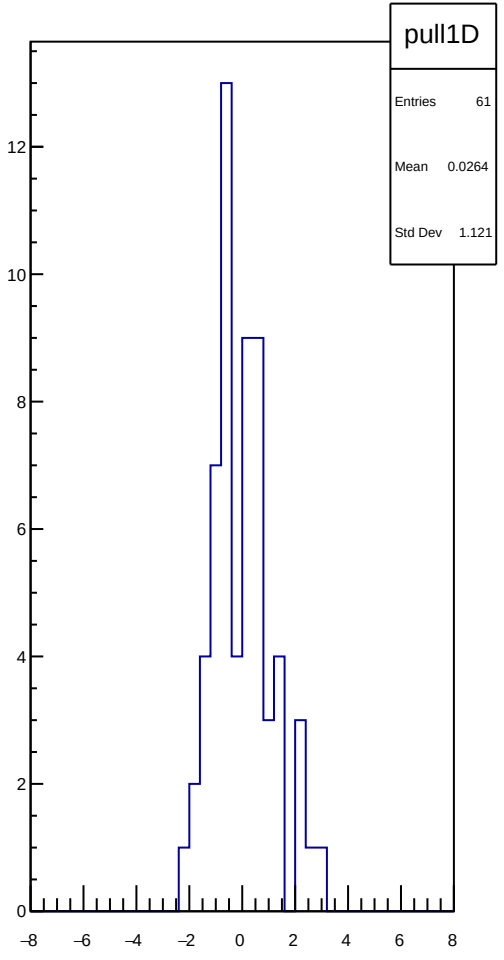

pull1D
Entries 61
Mean 0.0264
Std Dev 1.121

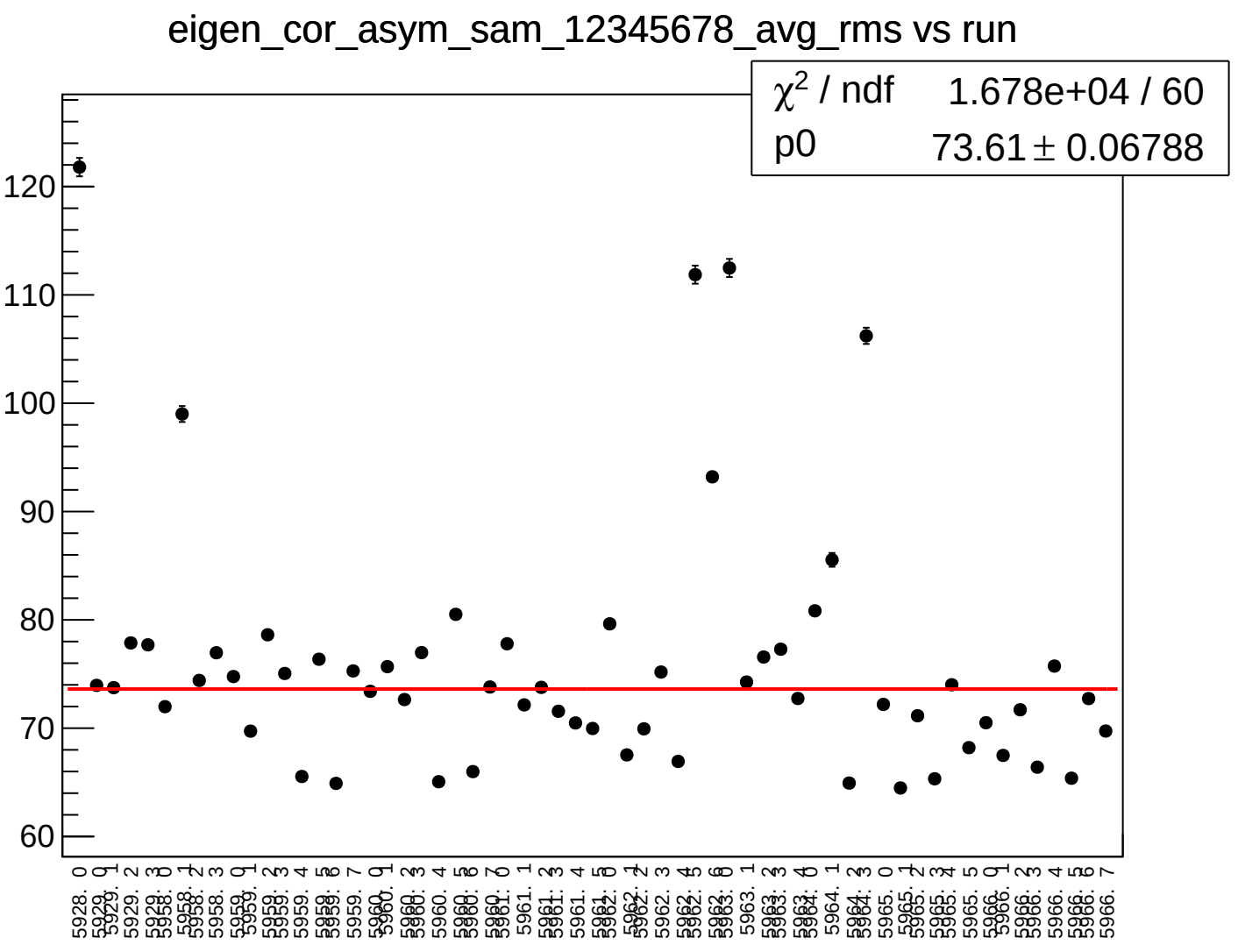

cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.678e+04 / 60
p0 73.61 ± 0.06788
120
110
100
90
80
70
60

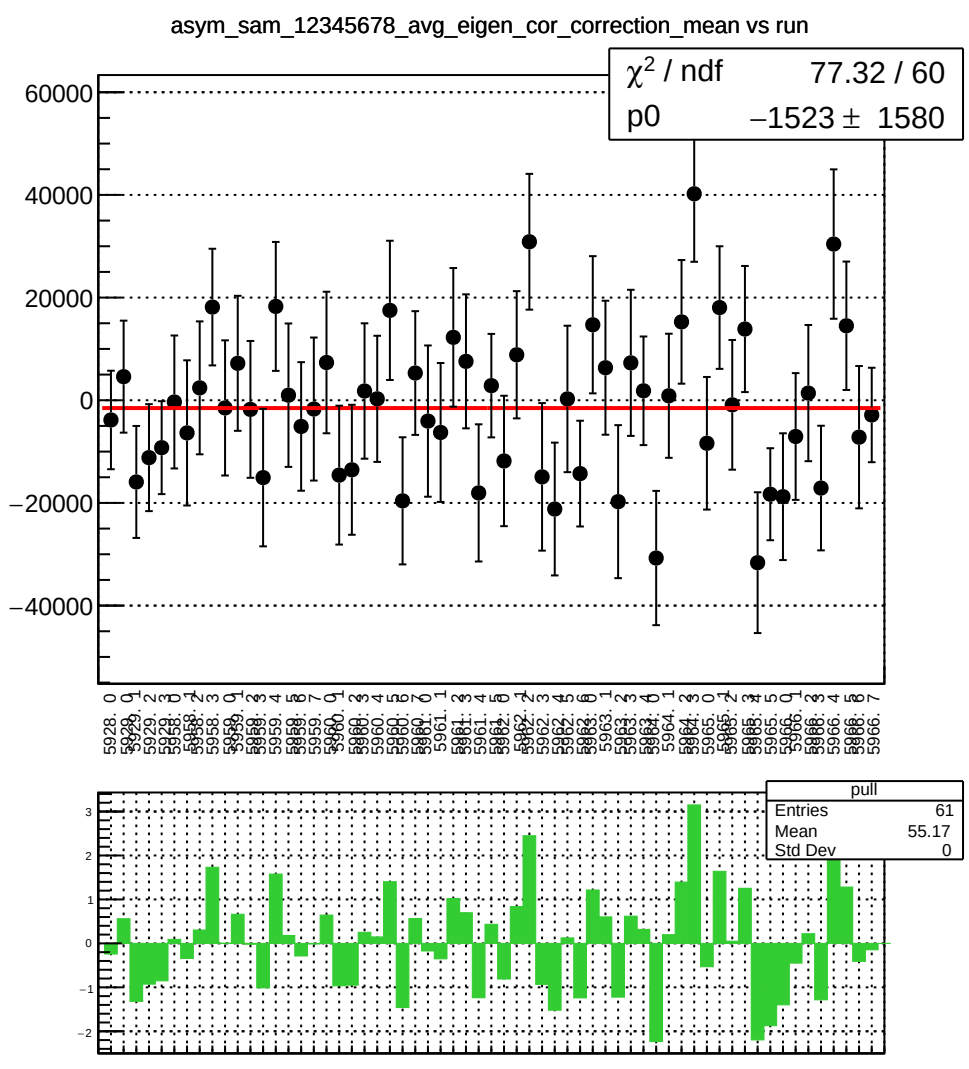

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 77.32 / 60
p0 −1523 ± 1580
pull
Entries 61
Mean 55.17
Std Dev 0
pull1D
Entries 61
Mean 0.02346
Std Dev 1.126

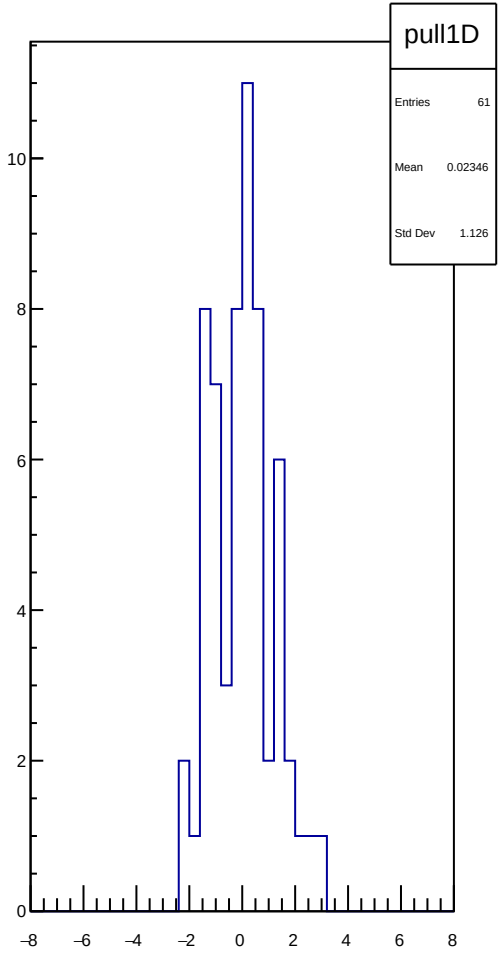

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 8390 / 60
p0 1216 ± 1.117
1400
1300
1200
1100
1000

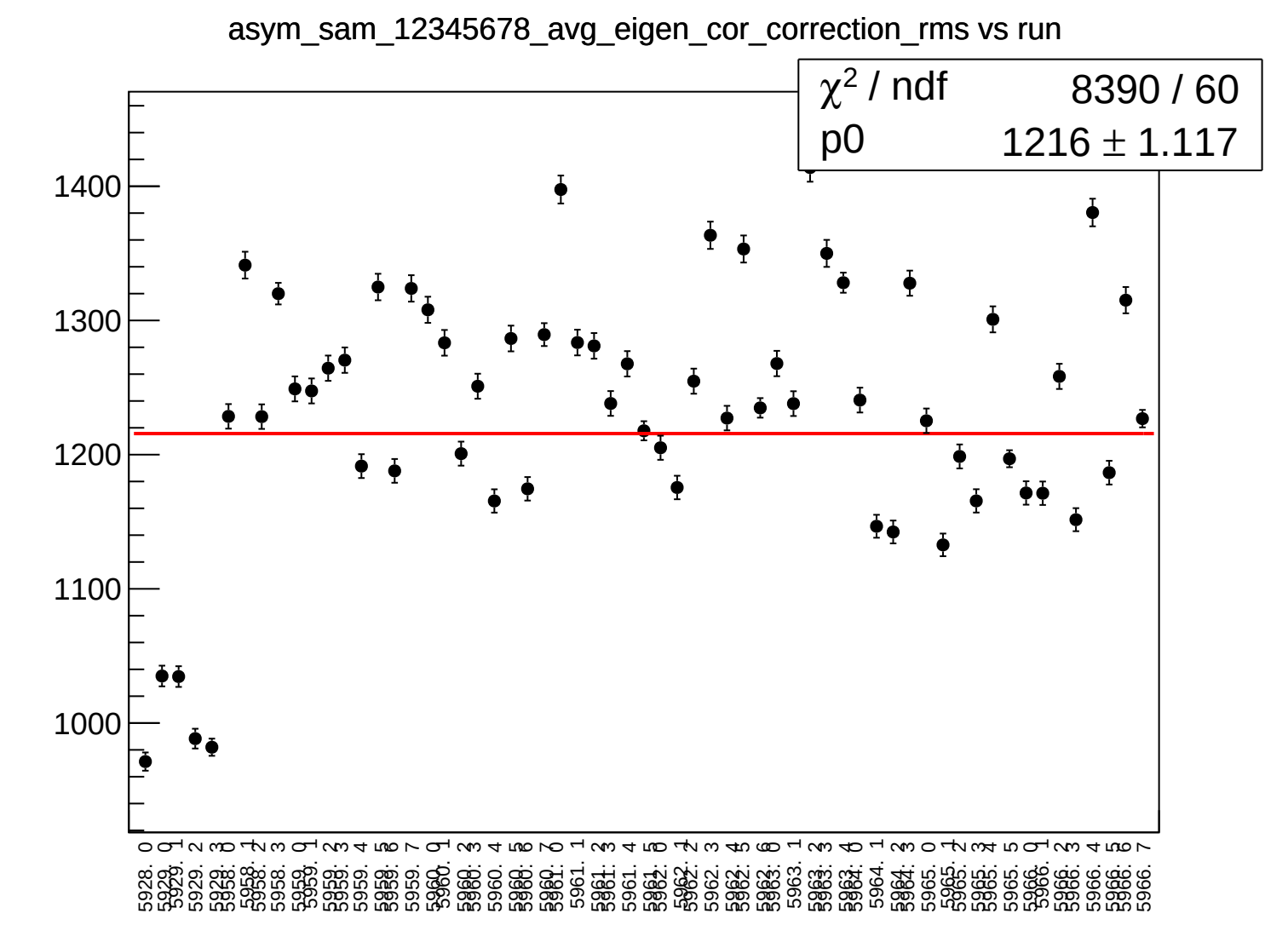

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.64 / 60
p0 43.23 ± 96
pull
Entries 61
Mean −61.98
Std Dev 0

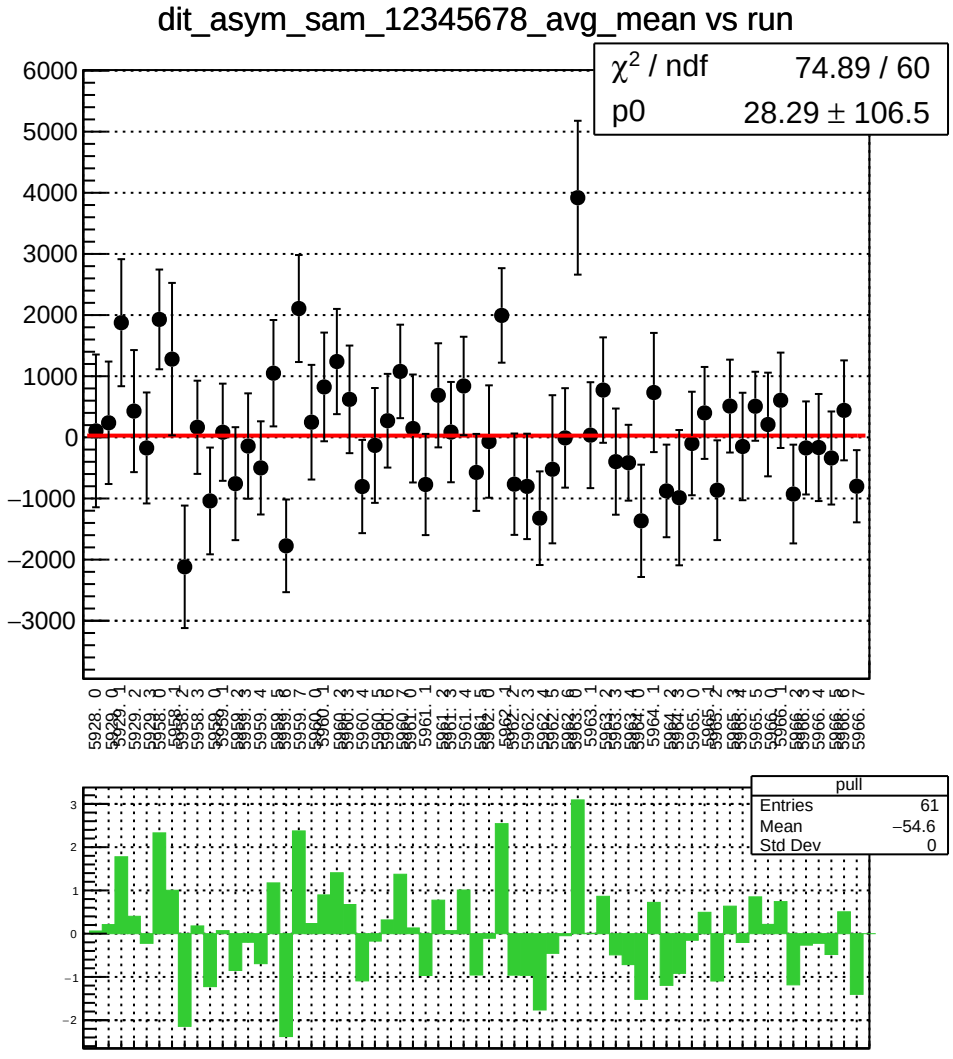

pull1D
Entries 61
Mean 0.0264
Std Dev 1.121

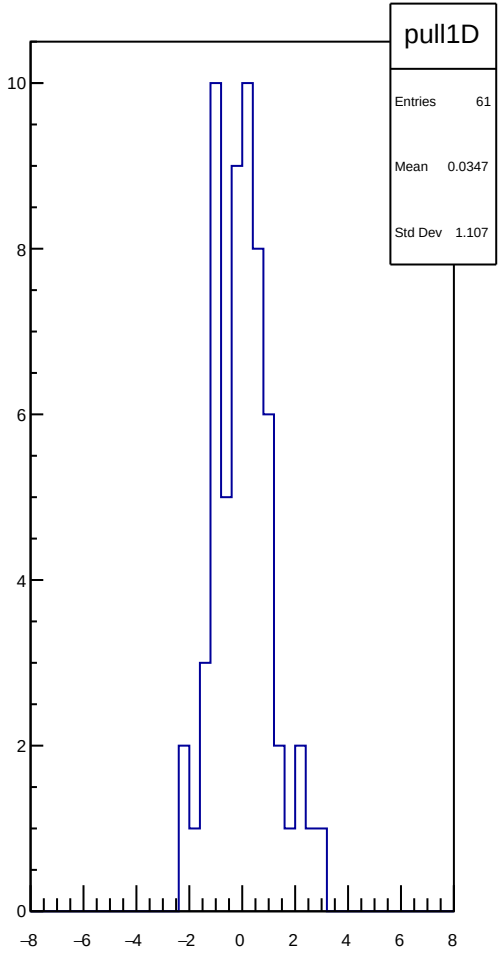

eigen_cor_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.678e+04 / 60
p0 73.61 ± 0.06788
120
110
100
90
80
70
60

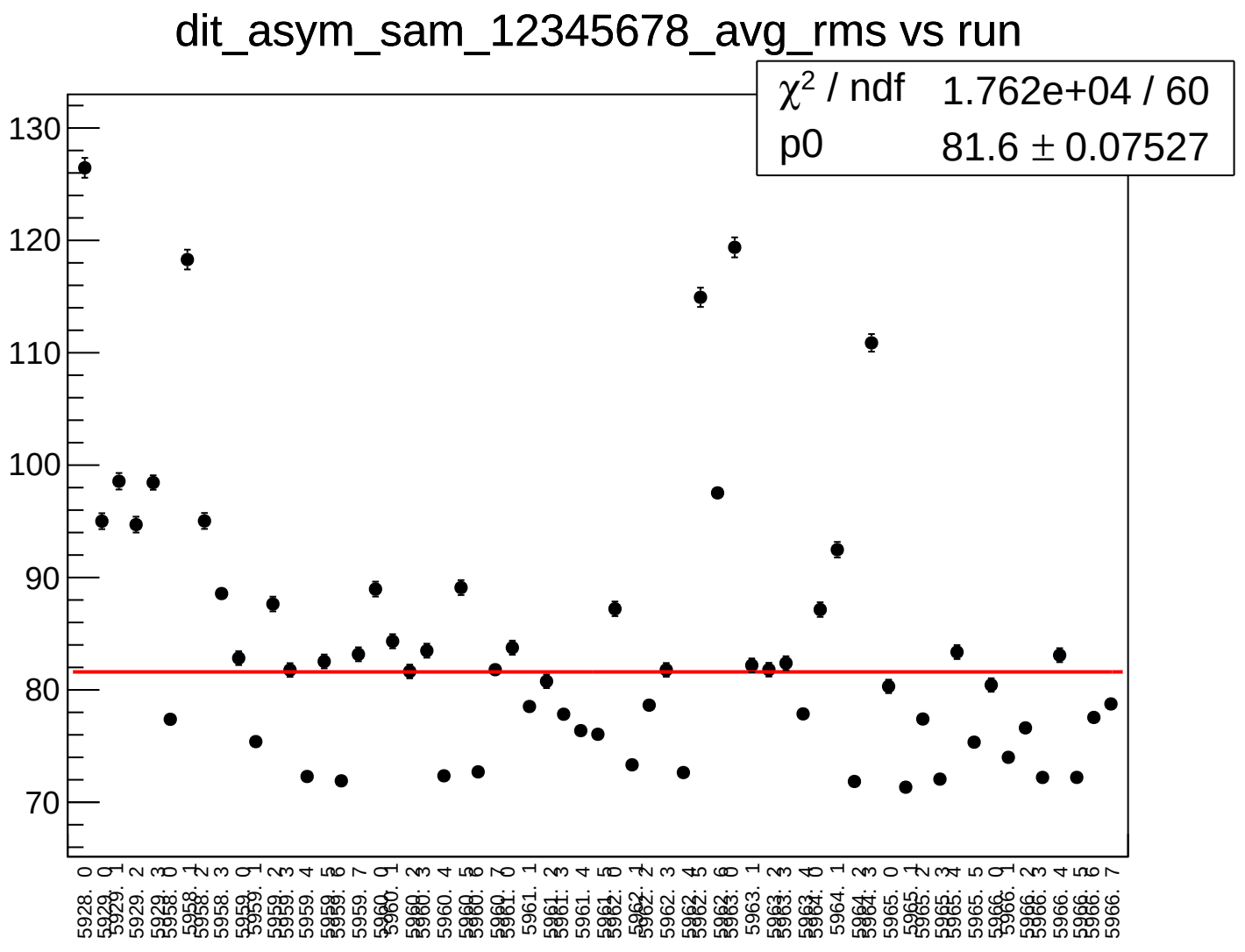

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.32 / 60
p0 −1523 ± 1580
pull
Entries 61
Mean 55.17
Std Dev 0

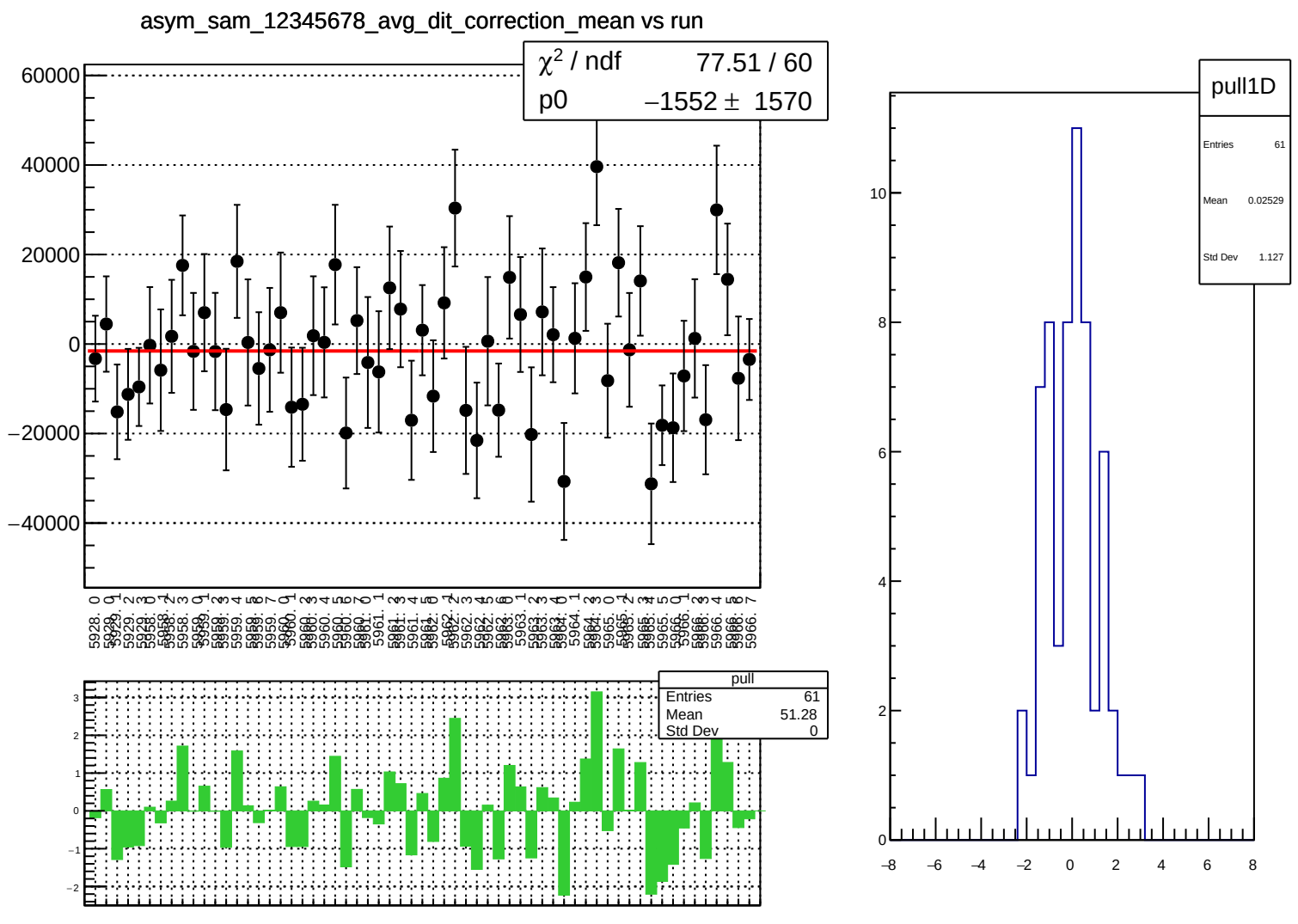

pull1D
Entries 61
Mean 0.02346
Std Dev 1.126

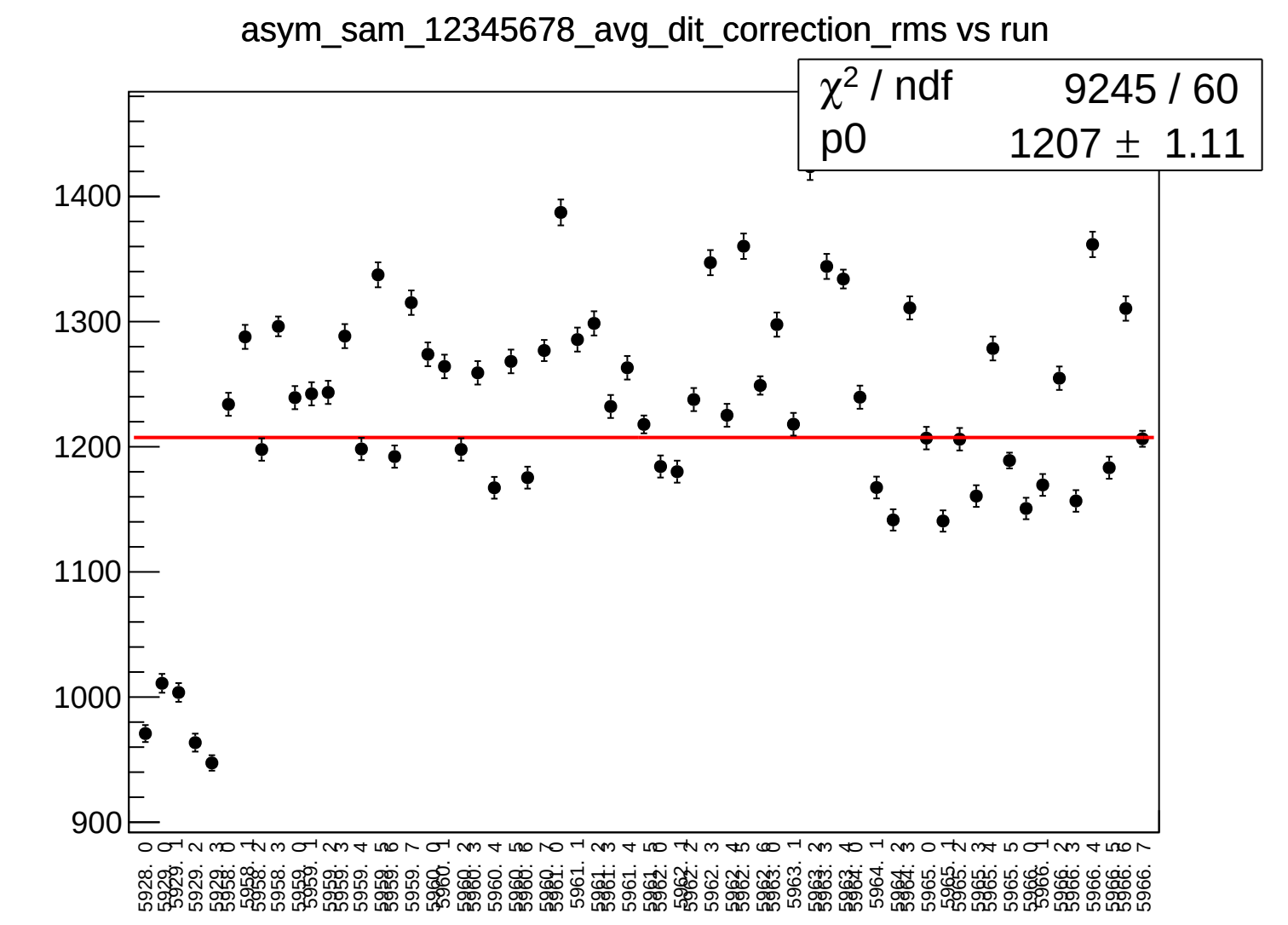

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 8390 / 60
p0 1216 ± 1.117
1400
1300
1200
1100
1000

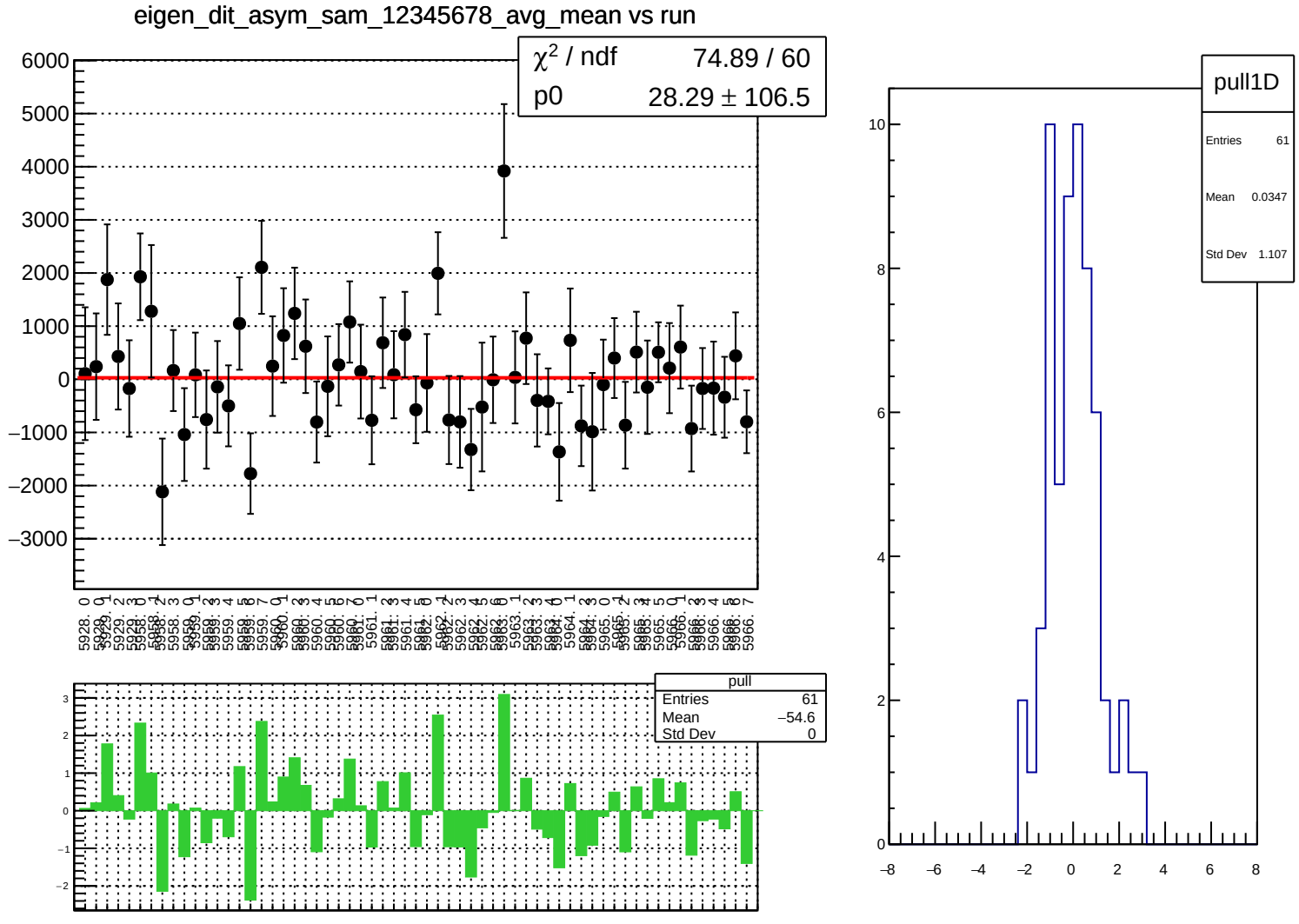

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 74.89 / 60
p0 28.29 ± 106.5
pull
Entries 61
Mean −54.6
Std Dev 0

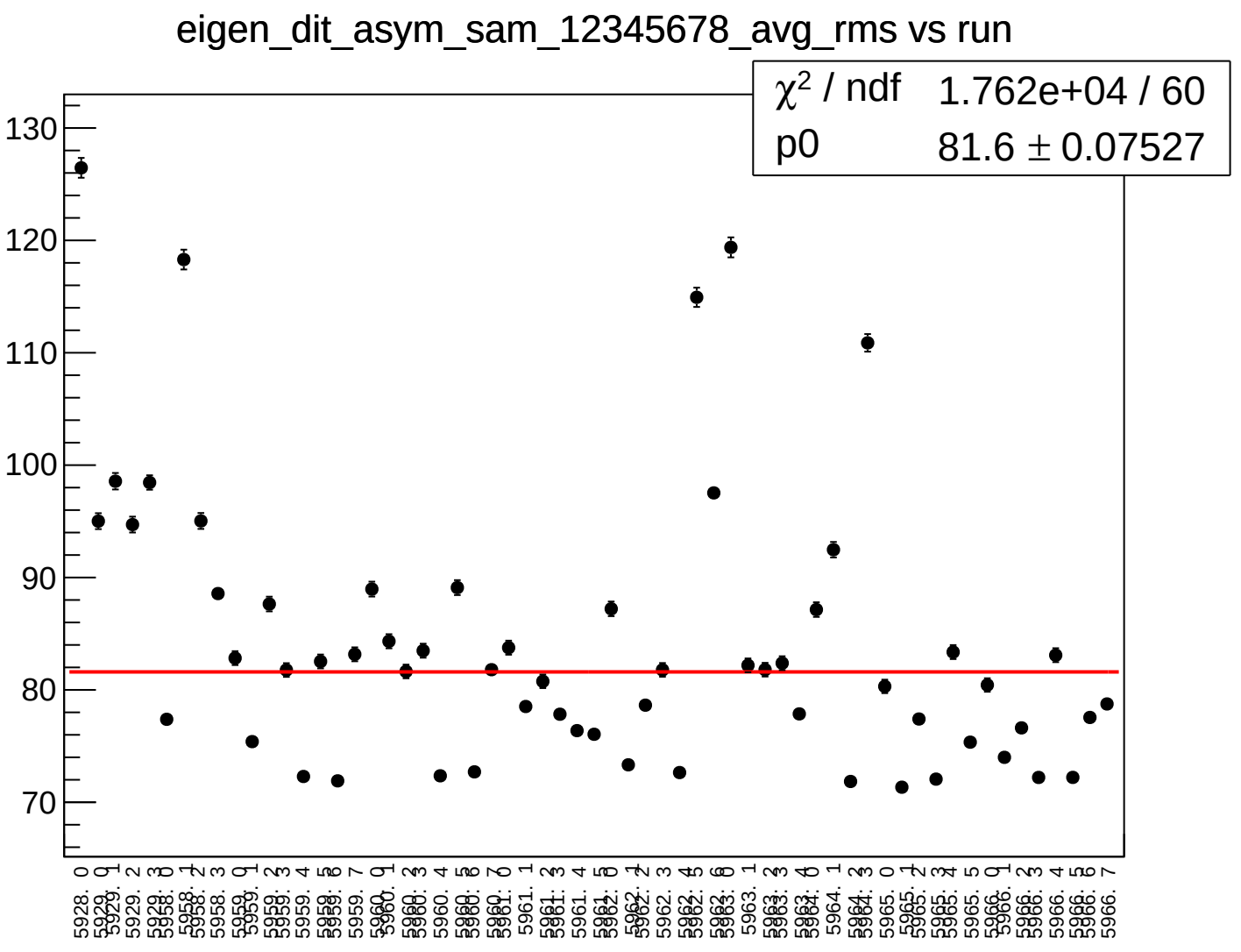

pull1D
Entries 61
Mean 0.0347
Std Dev 1.107

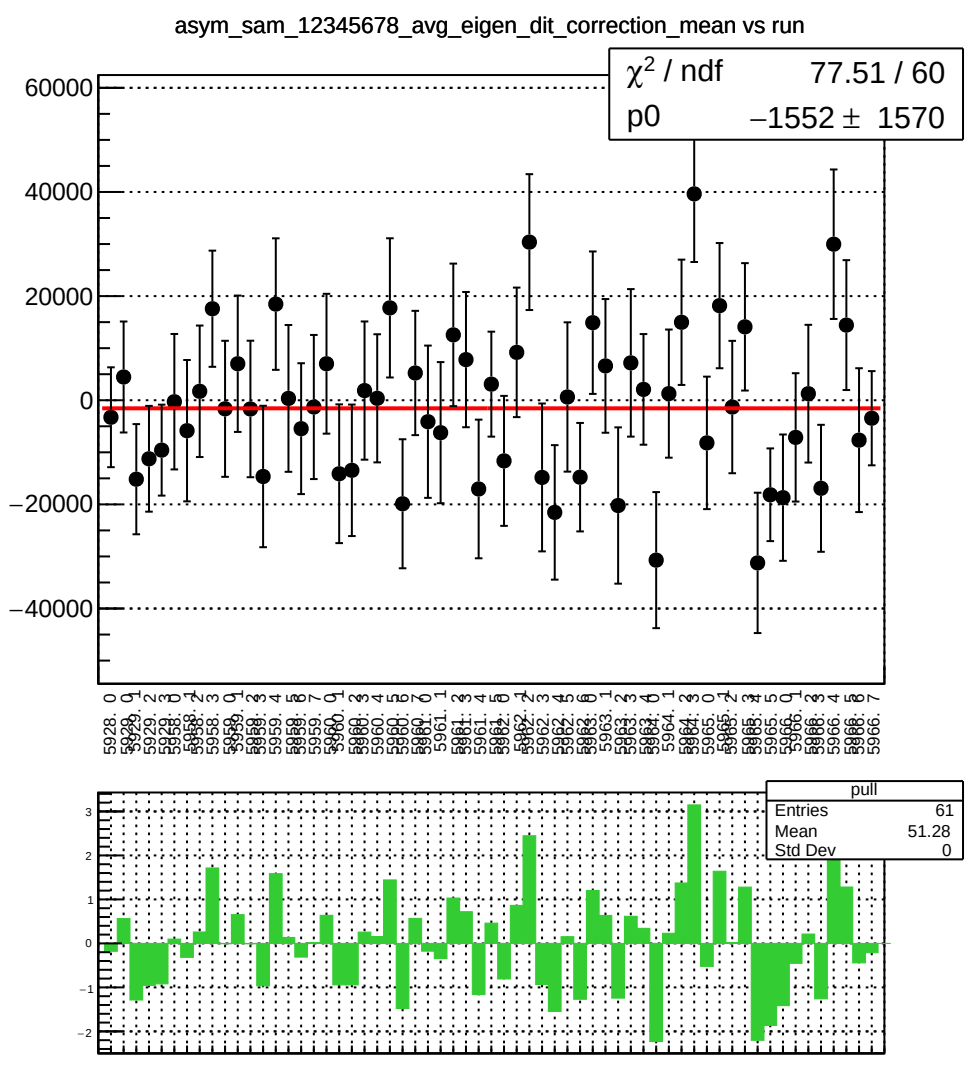

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.762e+04 / 60
p0 81.6 ± 0.07527
130
120
110
100
90
80
70

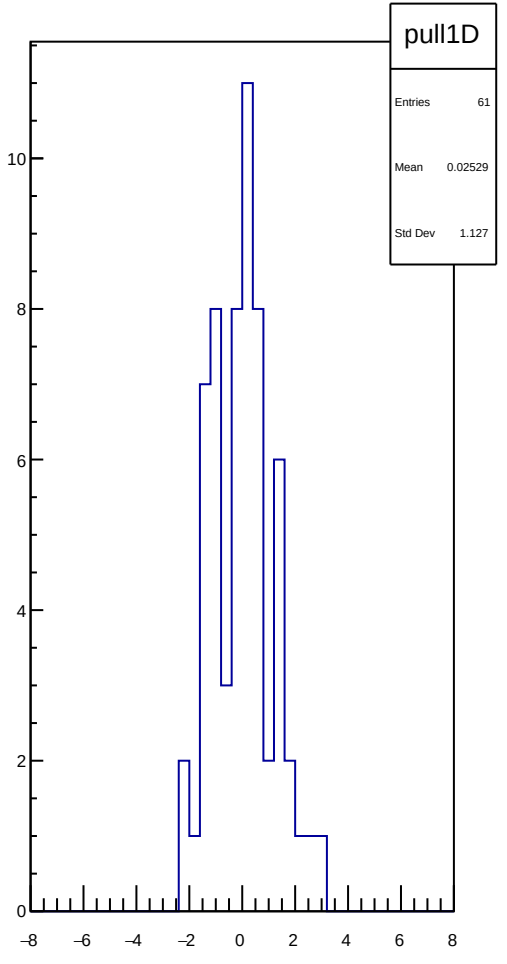

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 77.51 / 60
p0 −1552 ± 1570
pull
Entries 61
Mean 51.28
Std Dev 0
pull1D
Entries 61
Mean 0.02529
Std Dev 1.127

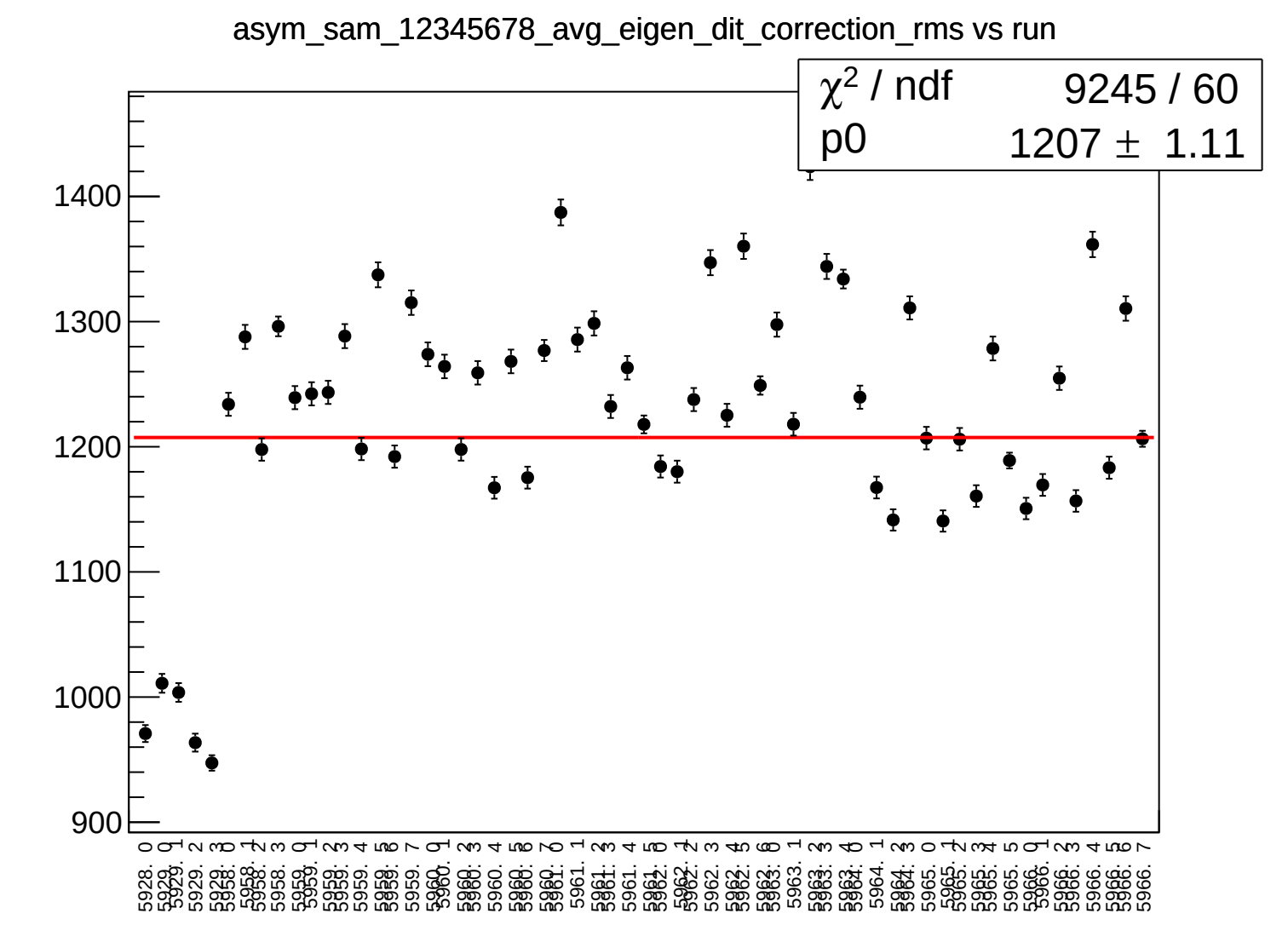

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 9245 / 60
p0 1207 ± 1.11
1400
1300
1200
1100
1000
900

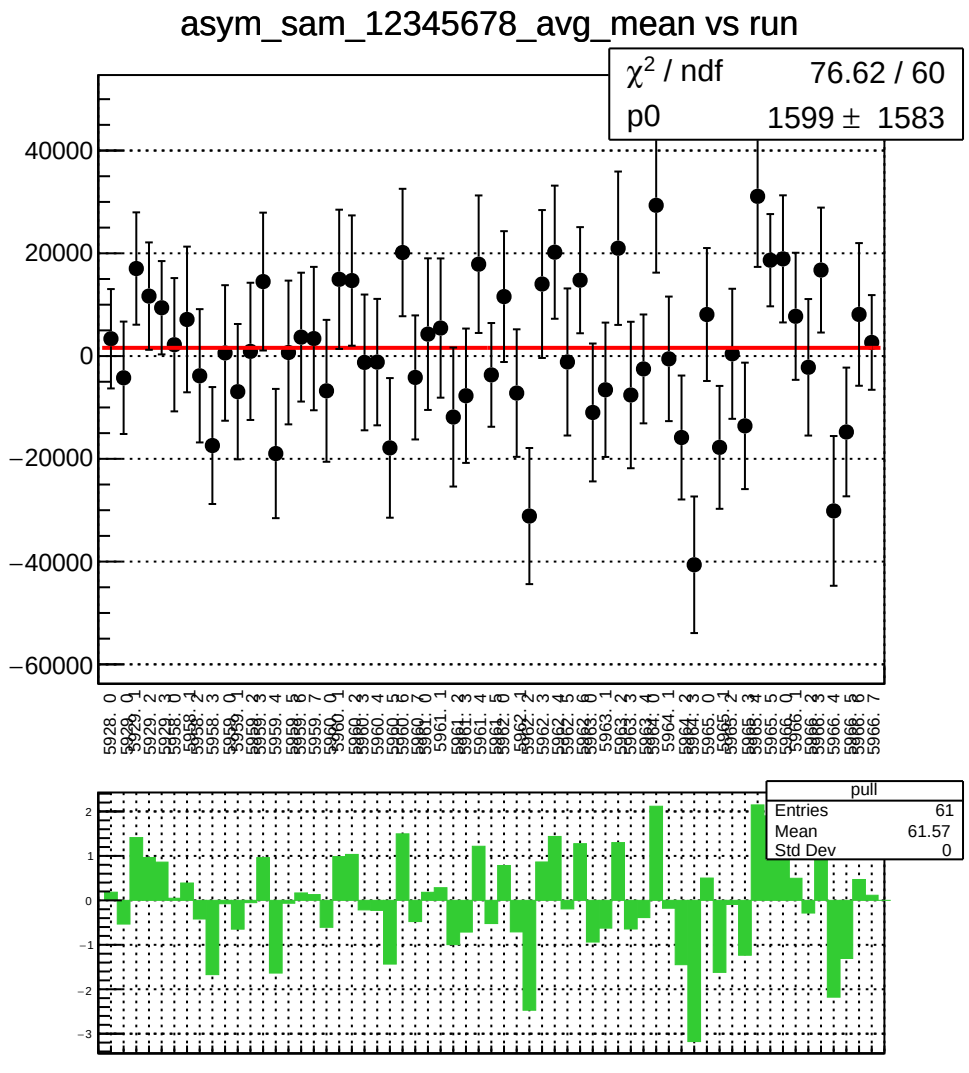

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 74.89 / 60
p0 28.29 ± 106.5
pull
Entries 61
Mean −54.6
Std Dev 0
pull1D
Entries 61
Mean 0.0347
Std Dev 1.107

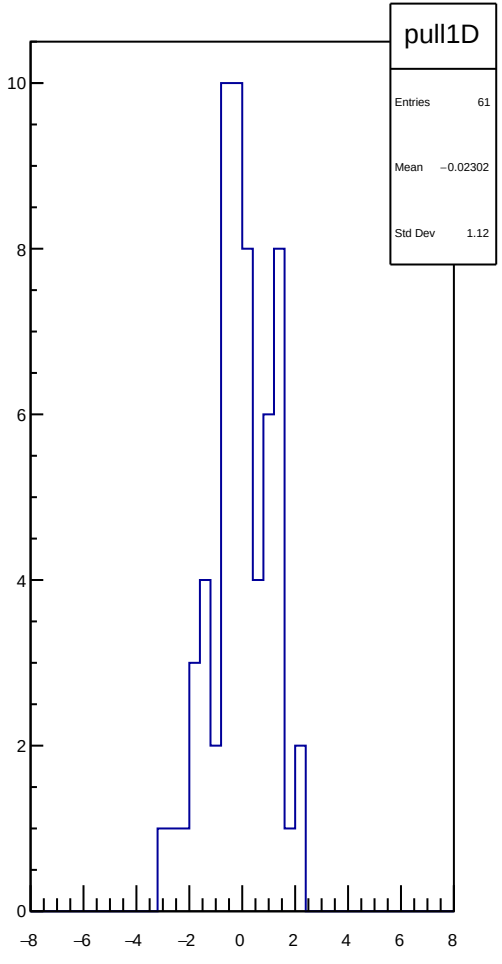

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.762e+04 / 60
p0 81.6 ± 0.07527
130
120
110
100
90
80
70

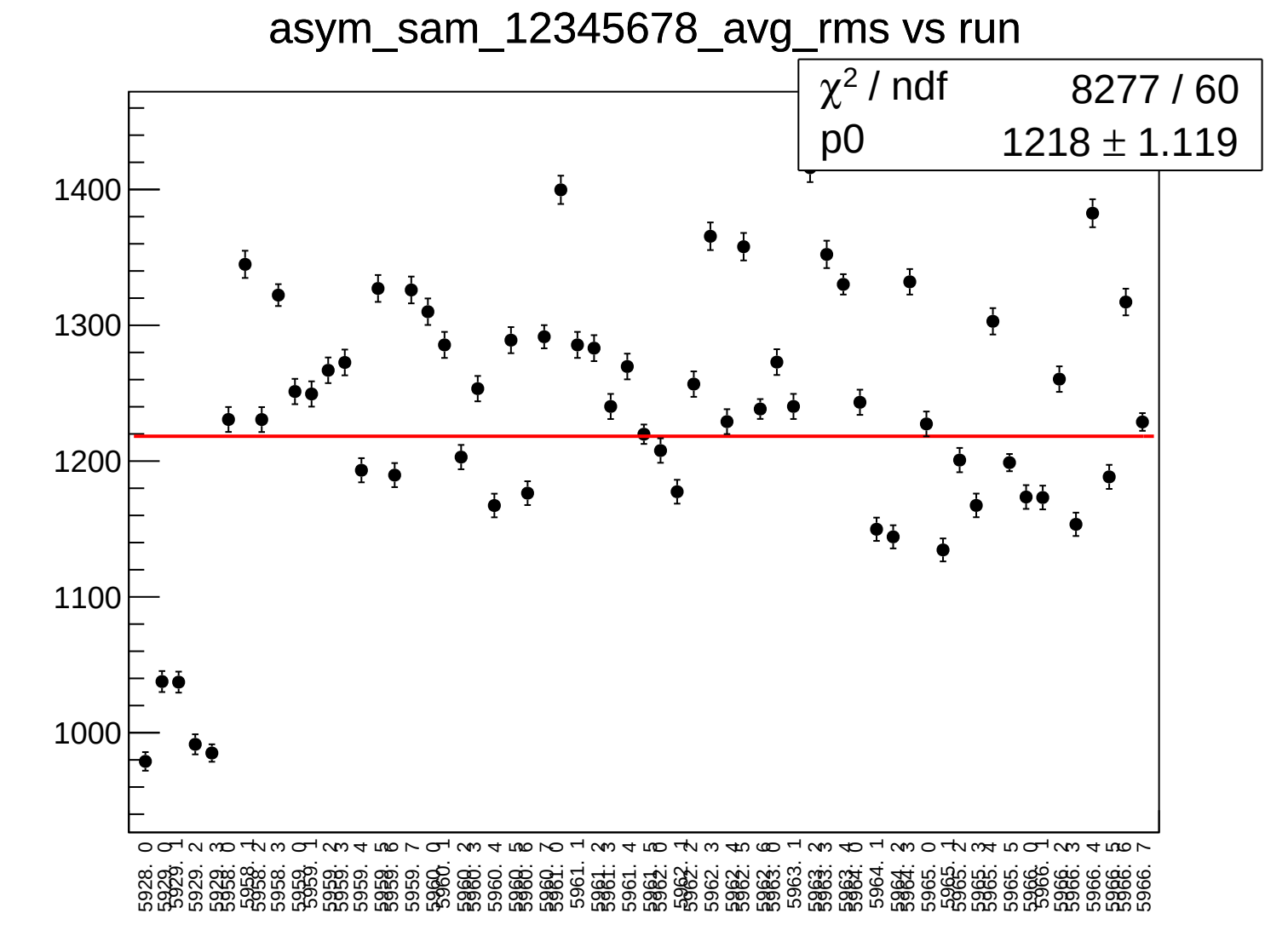

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 77.51 / 60
p0 −1552 ± 1570
60000
40000
20000
0
−20000
−40000
pull
Entries 61
Mean 51.28
Std Dev 0
3
2
1
0
−1
−2

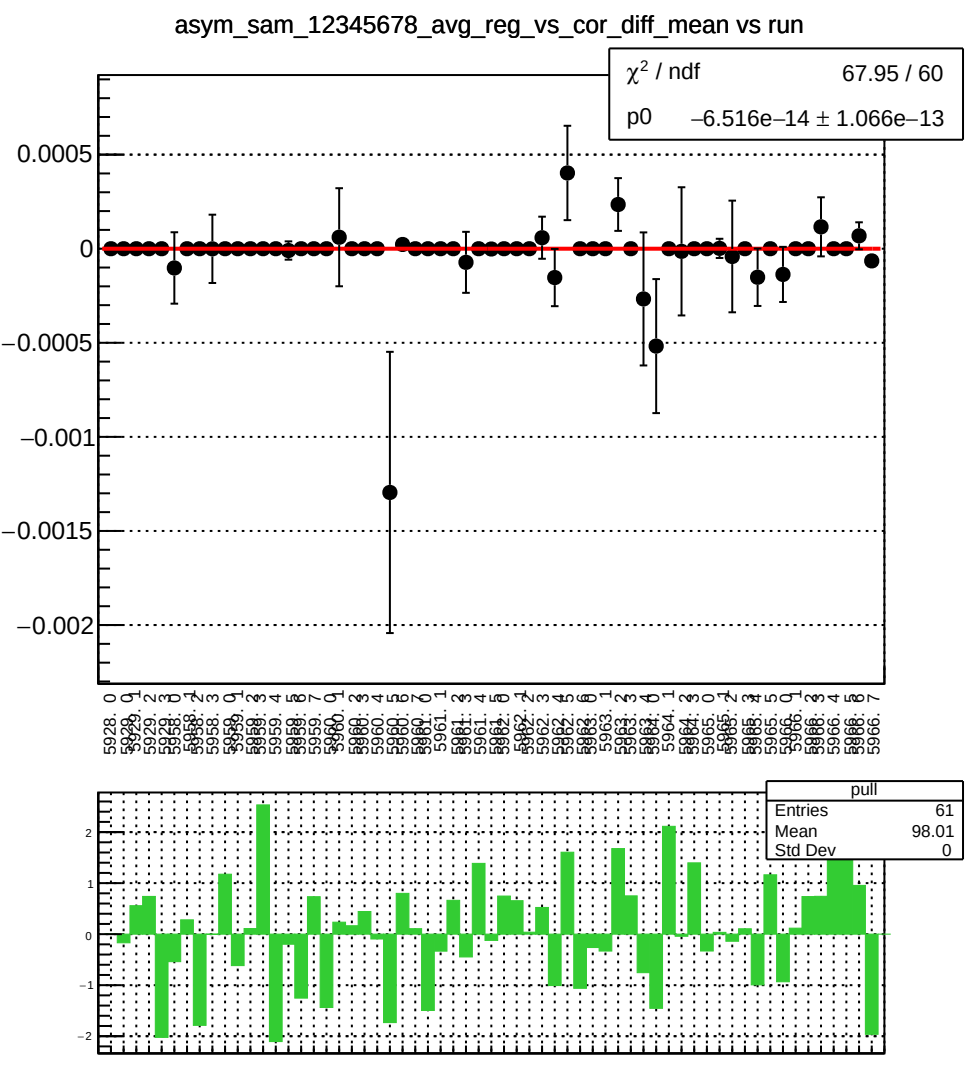

pull1D
Entries 61
Mean 0.02529
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

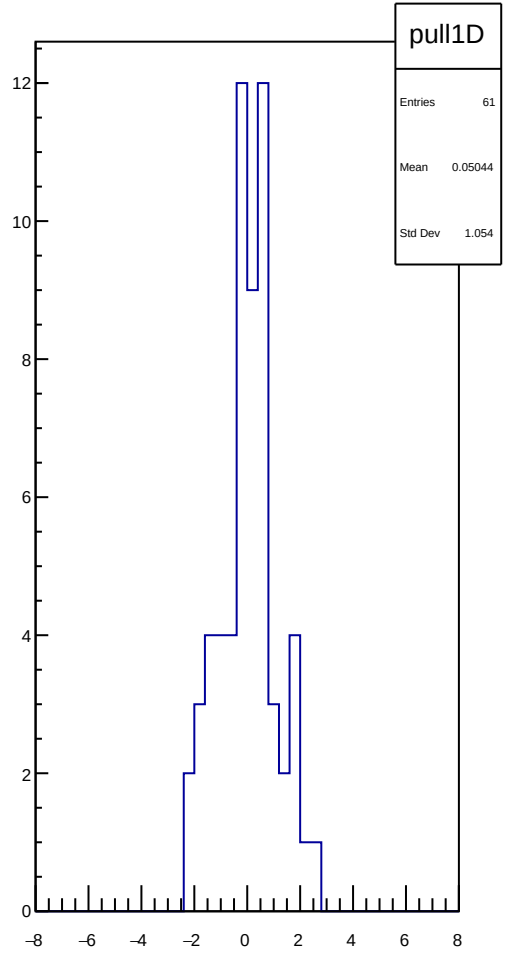

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 9245 / 60
p0 1207 ± 1.11
1400
1300
1200
1100
1000
900

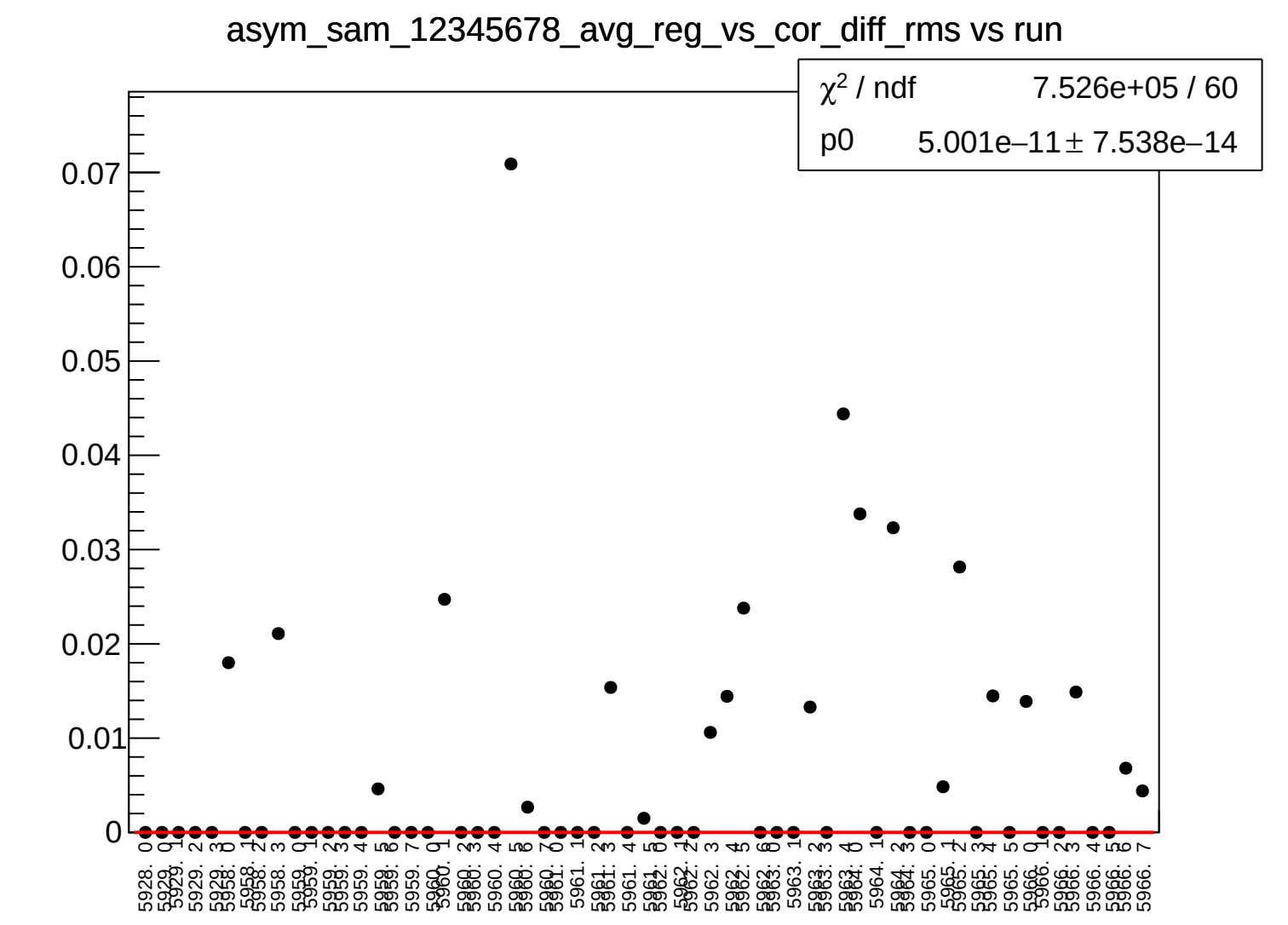

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.62 / 60
p0 1599 ± 1583
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean 61.57
Std Dev 0
2
1
0
−1
−2
−3

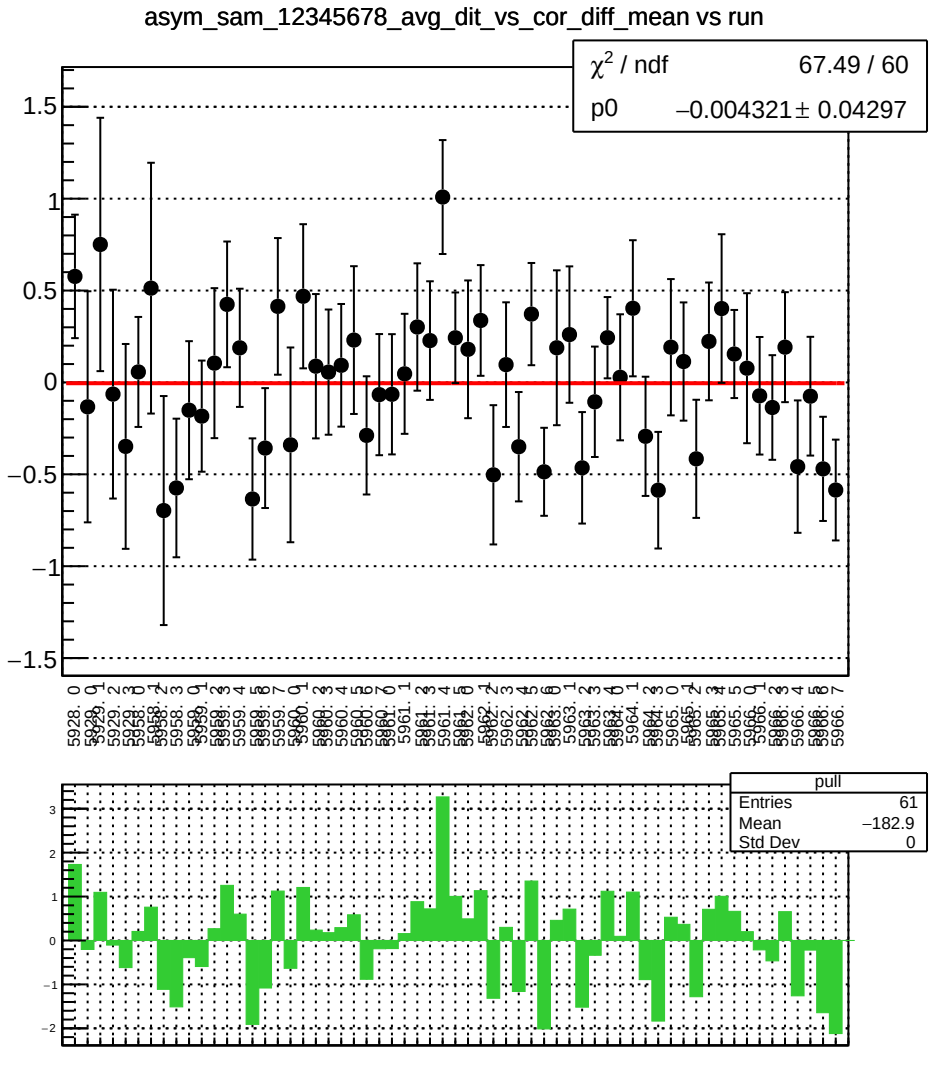

pull1D
Entries 61
Mean −0.02302
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

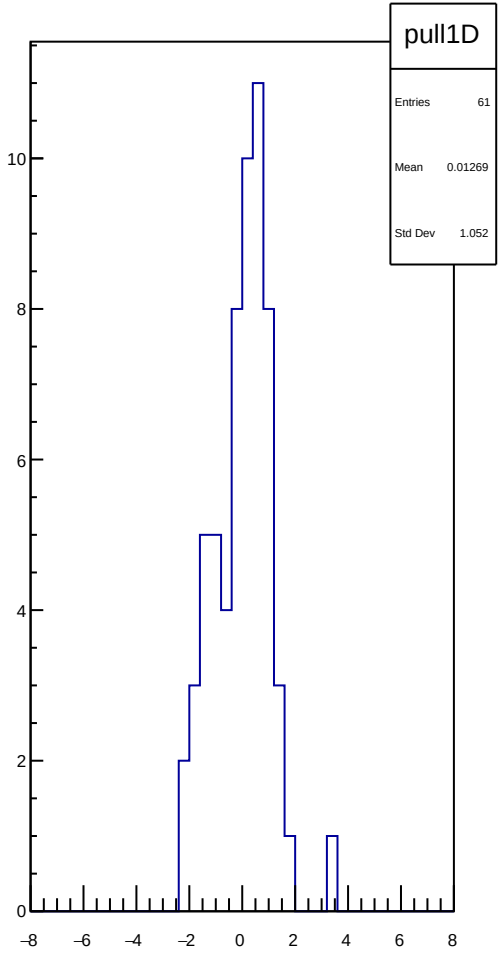

asym_sam_12345678_avg_rms vs run
χ² / ndf 8277 / 60
p0 1218 ± 1.119
1400
1300
1200
1100
1000

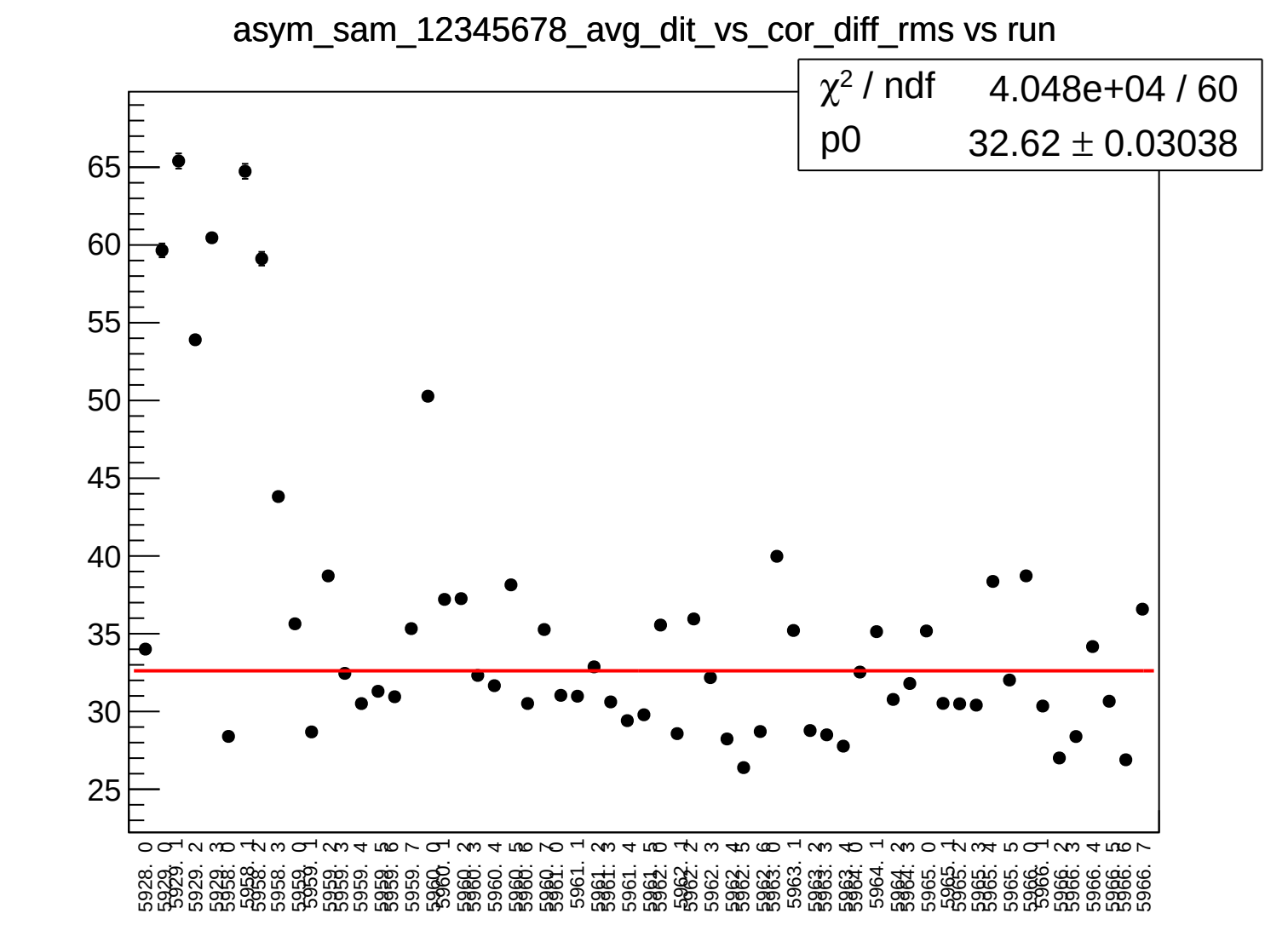

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 67.95 / 60
p0 −6.516e−14 ± 1.066e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 61
Mean 98.01
Std Dev 0
2
1
0
−1
−2

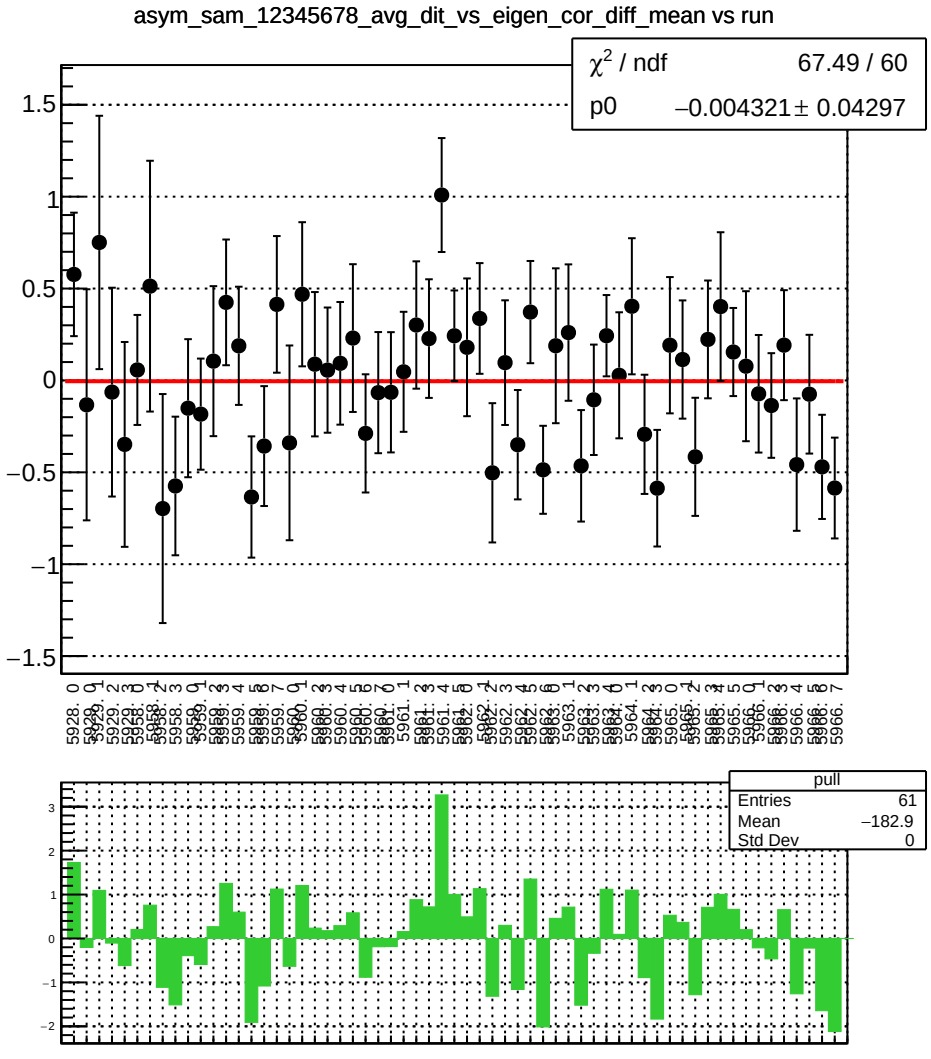

pull1D
Entries 61
Mean 0.05044
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

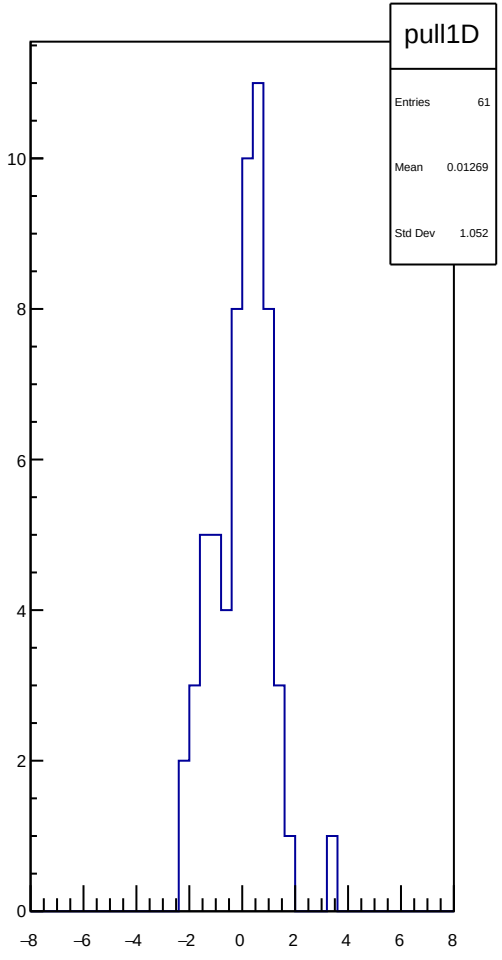

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.526e+05 / 60
p0 5.001e−11 ± 7.538e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

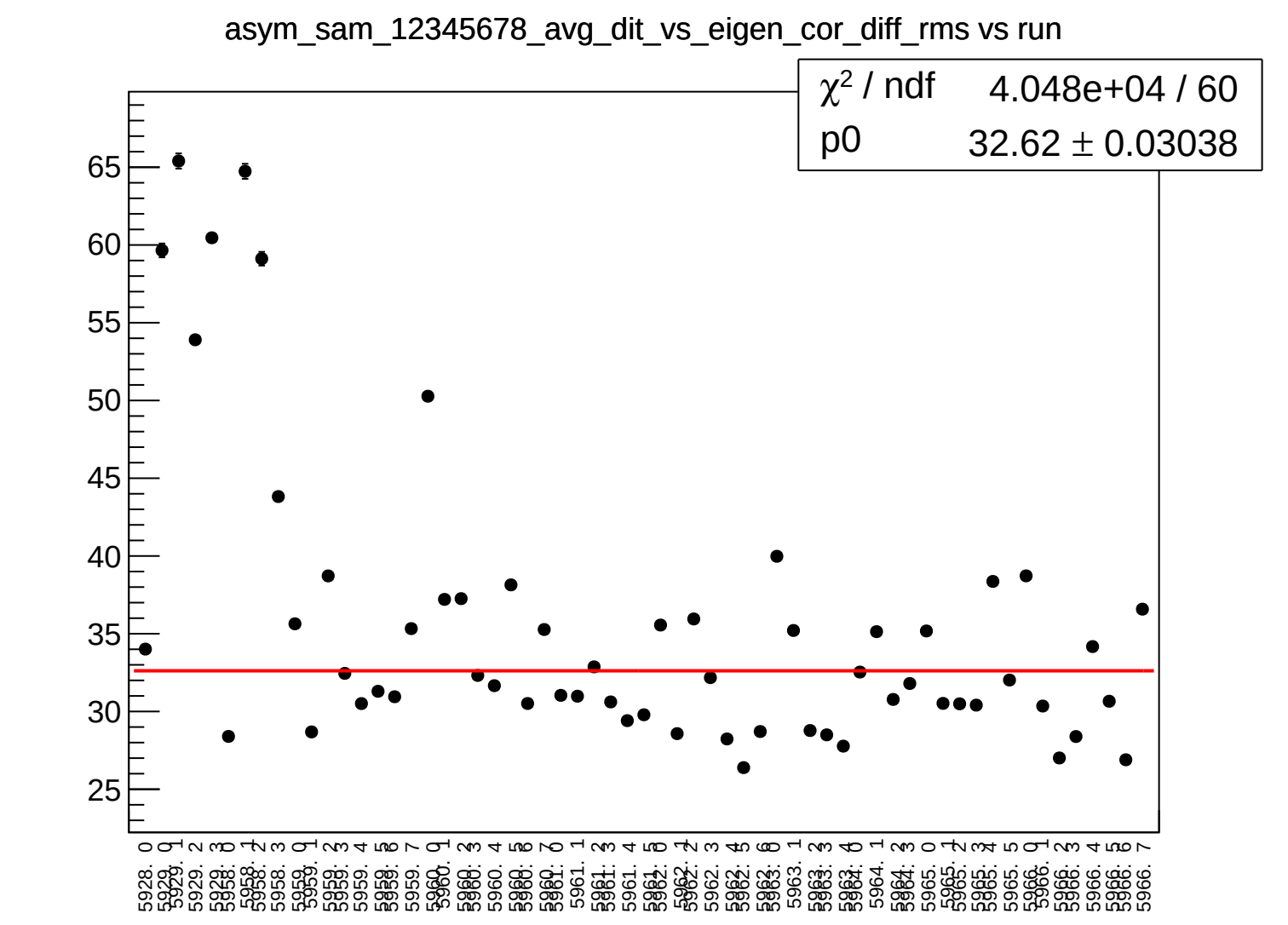

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.49 / 60
p0 −0.004321 ± 0.04297
pull
Entries 61
Mean −182.9
Std Dev 0

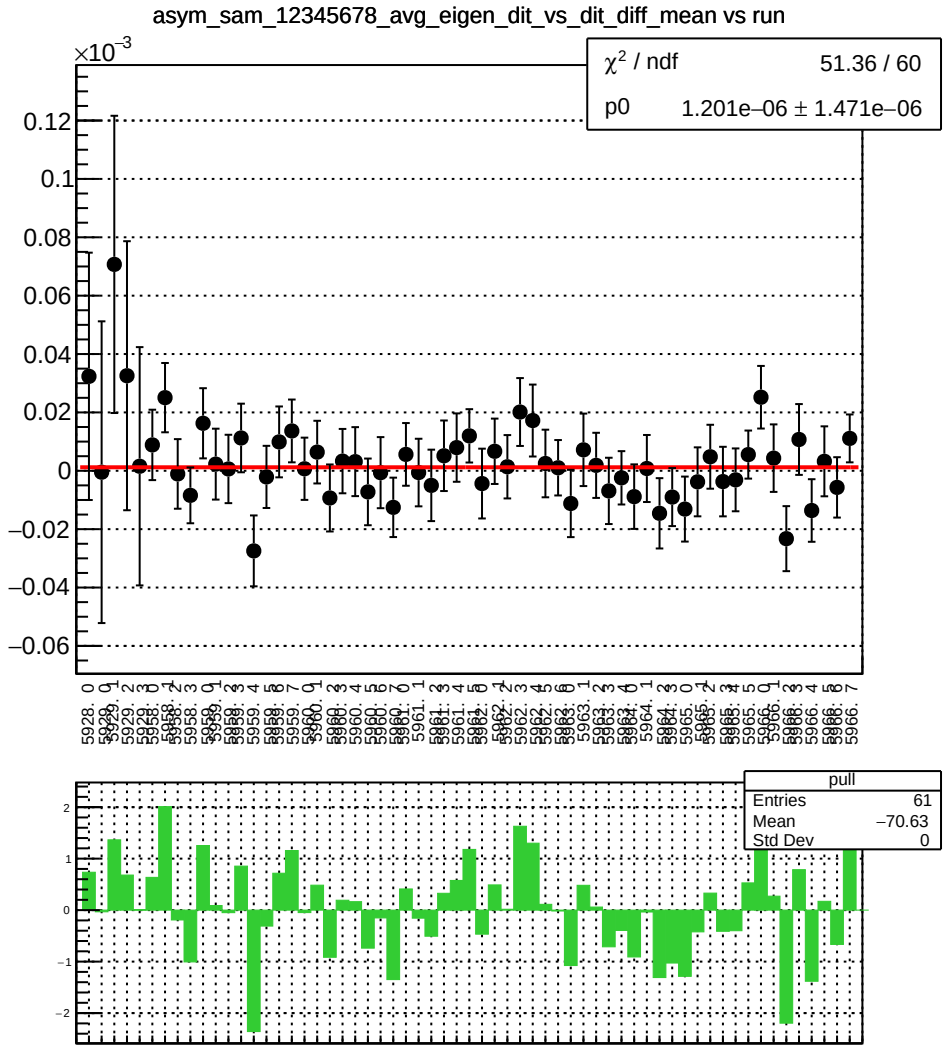

pull1D
Entries 61
Mean 0.01269
Std Dev 1.052

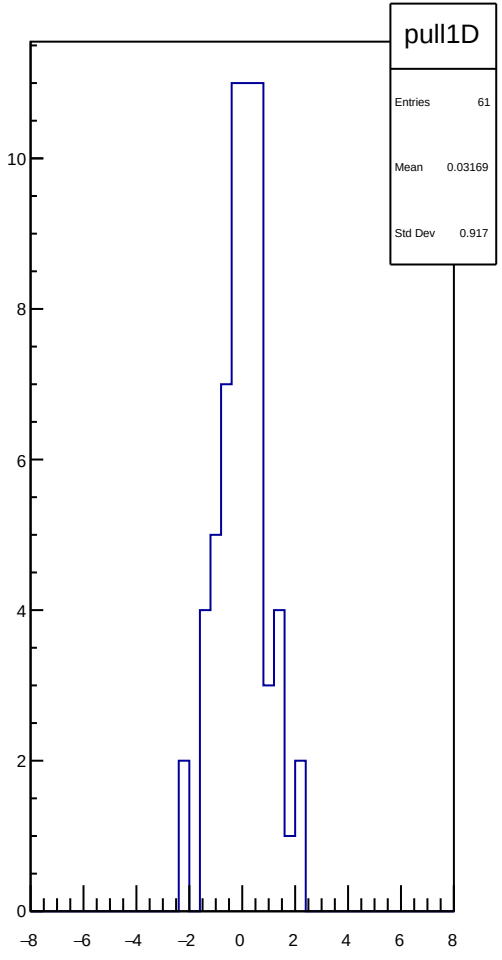

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.048e+04 / 60
p0 32.62 ± 0.03038
65
60
55
50
45
40
35
30
25

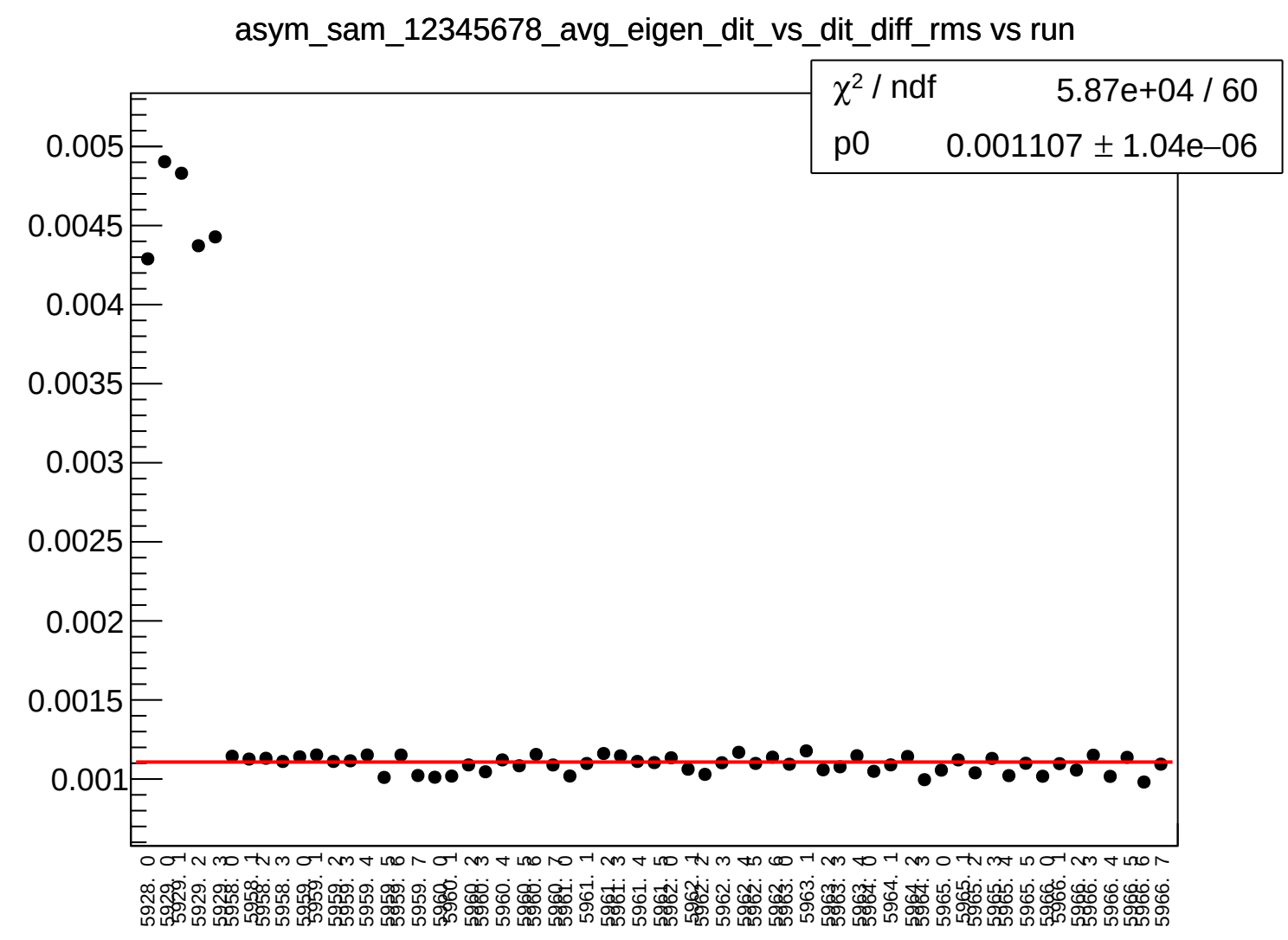

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.49 / 60
p0 −0.004321 ± 0.04297
pull
Entries 61
Mean −182.9
Std Dev 0

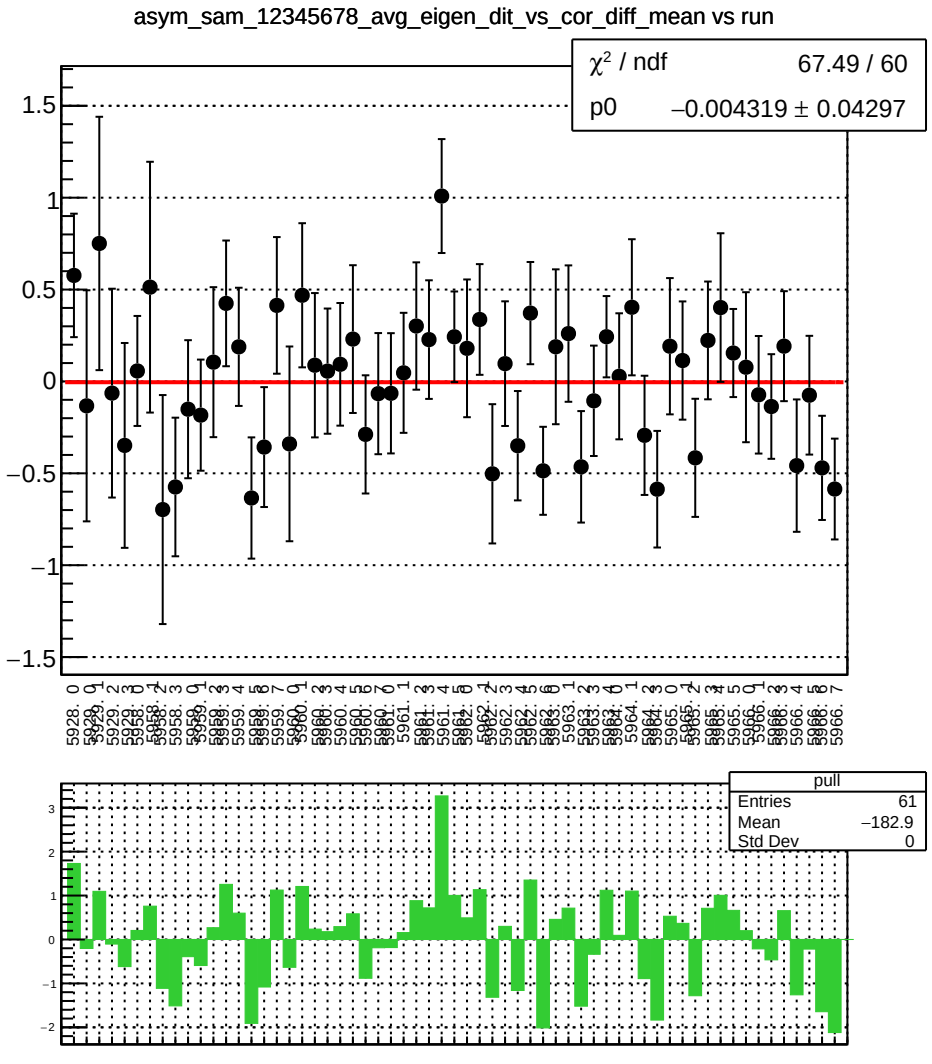

pull1D
Entries 61
Mean 0.01269
Std Dev 1.052

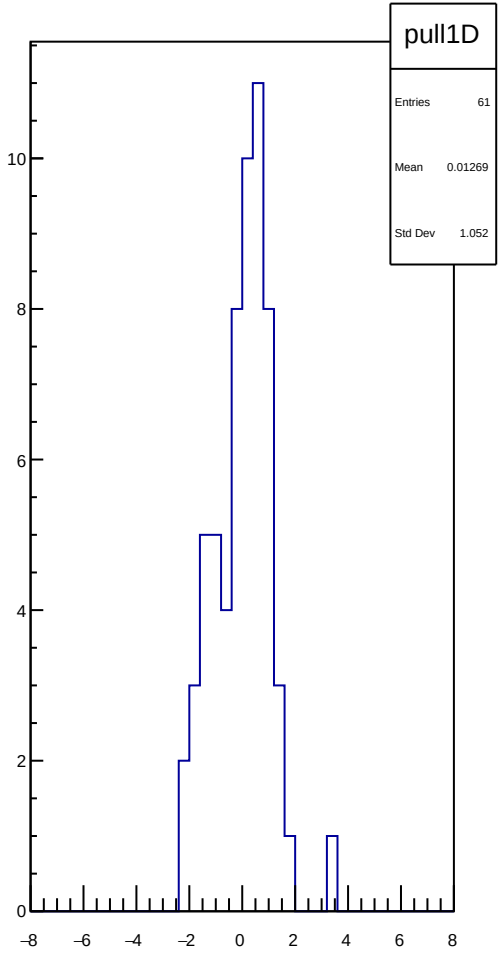

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.048e+04 / 60
p0 32.62 ± 0.03038
65
60
55
50
45
40
35
30
25

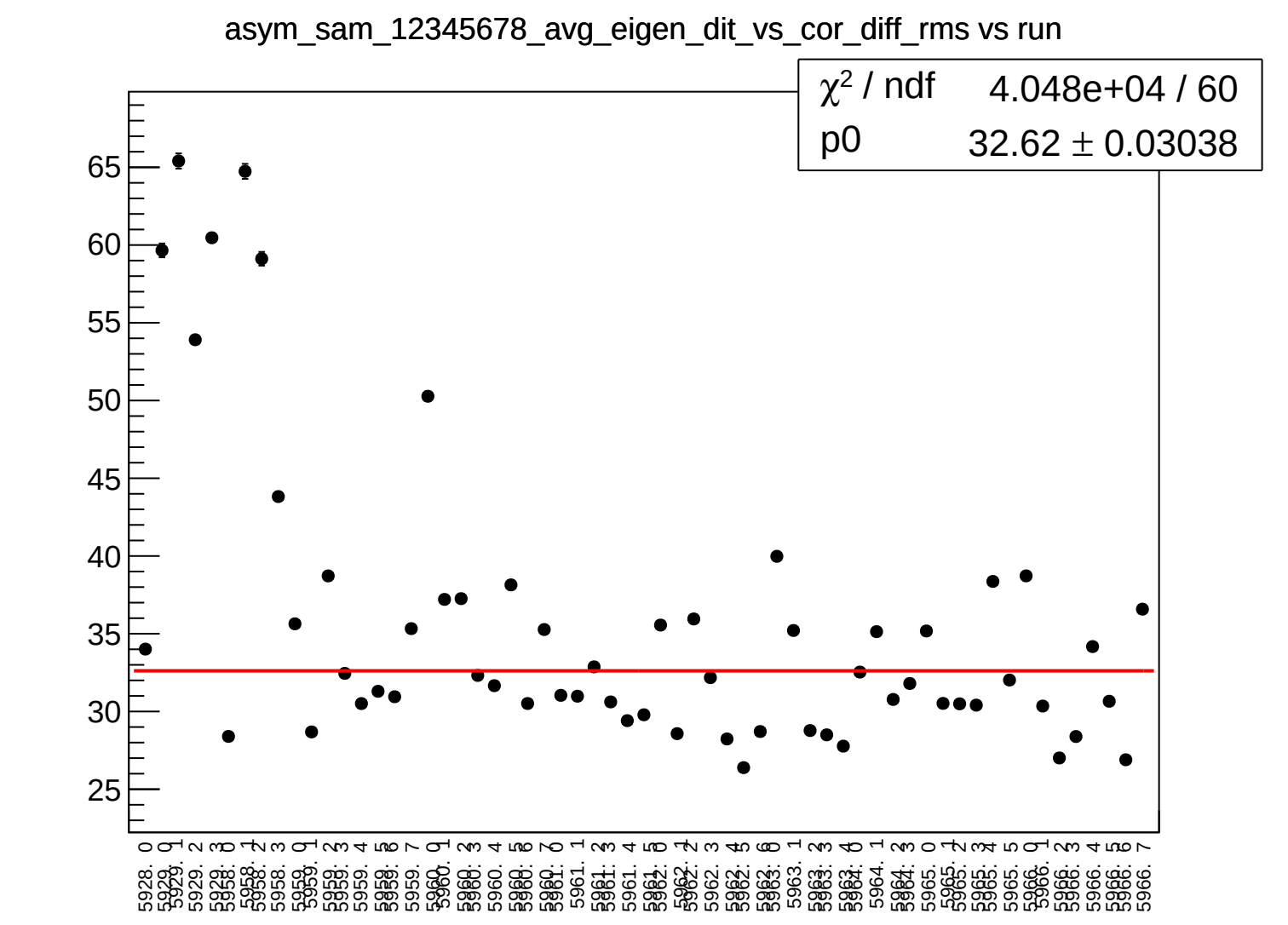

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.36 / 60
p0 1.201e−06 ± 1.471e−06
pull
Entries 61
Mean −70.63
Std Dev 0

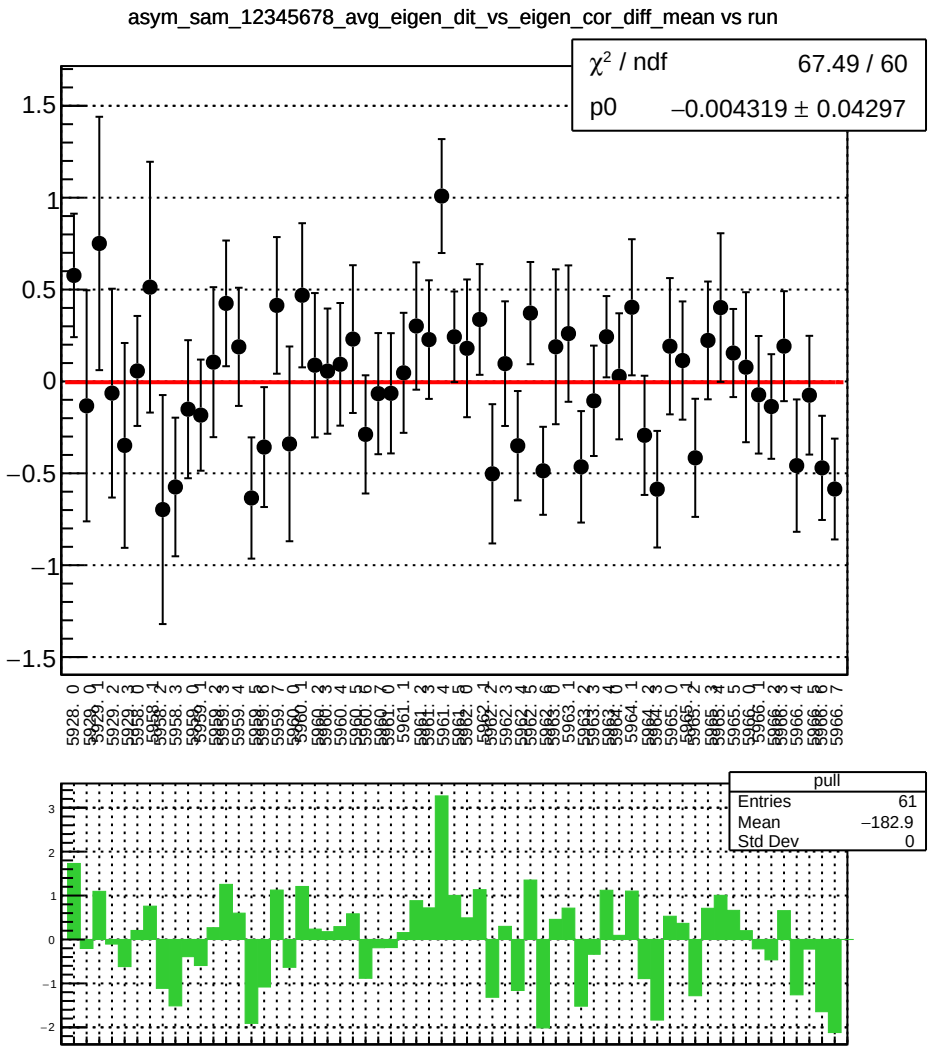

pull1D
Entries 61
Mean 0.03169
Std Dev 0.917

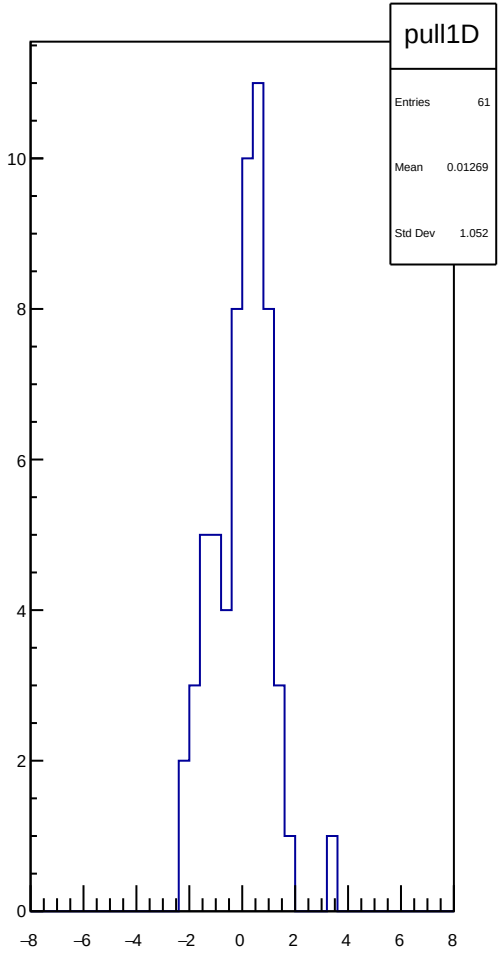

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.87e+04 / 60
p0 0.001107 ± 1.04e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

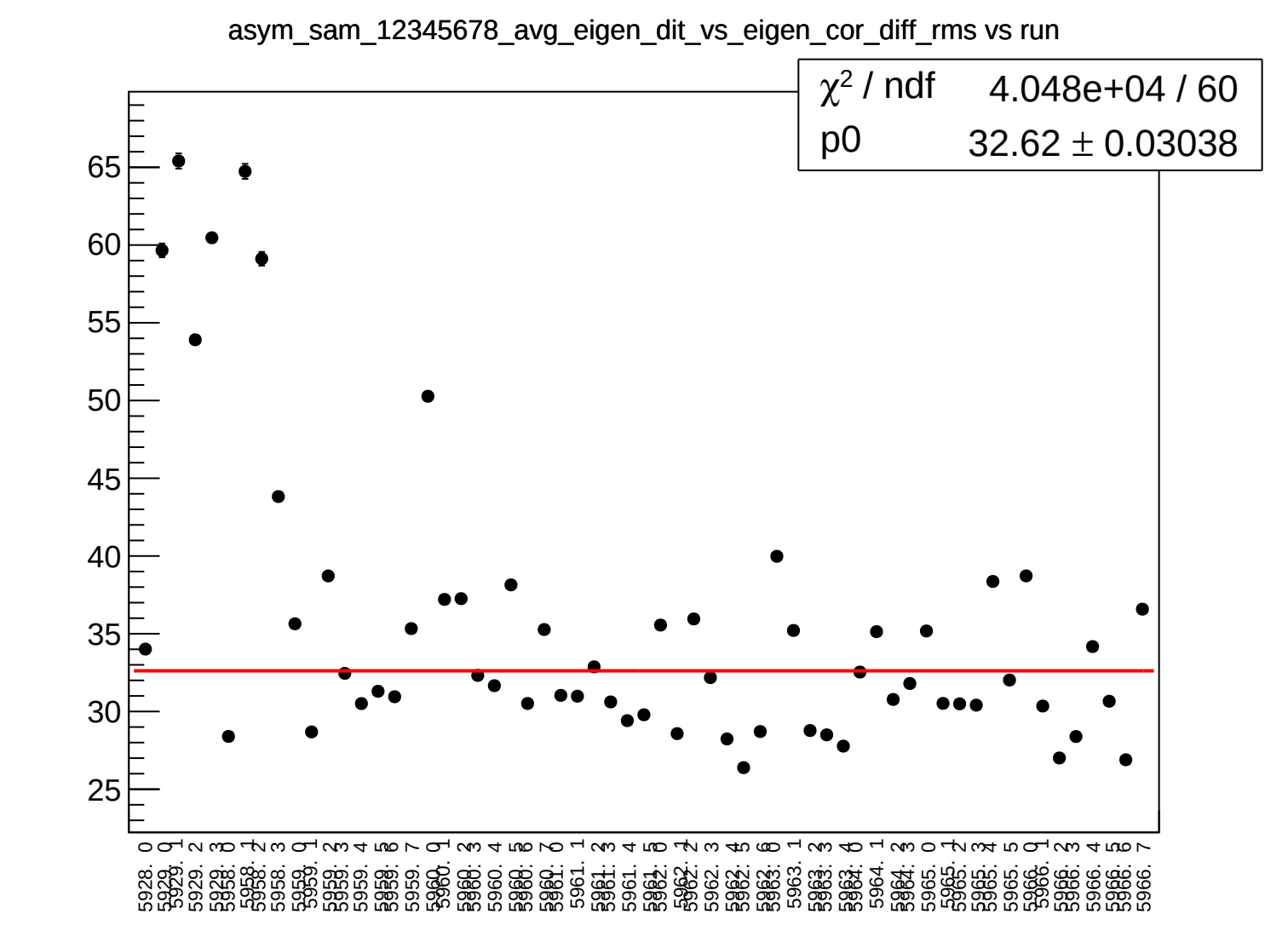

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.49 / 60
p0 −0.004319 ± 0.04297
pull
Entries 61
Mean −182.9
Std Dev 0

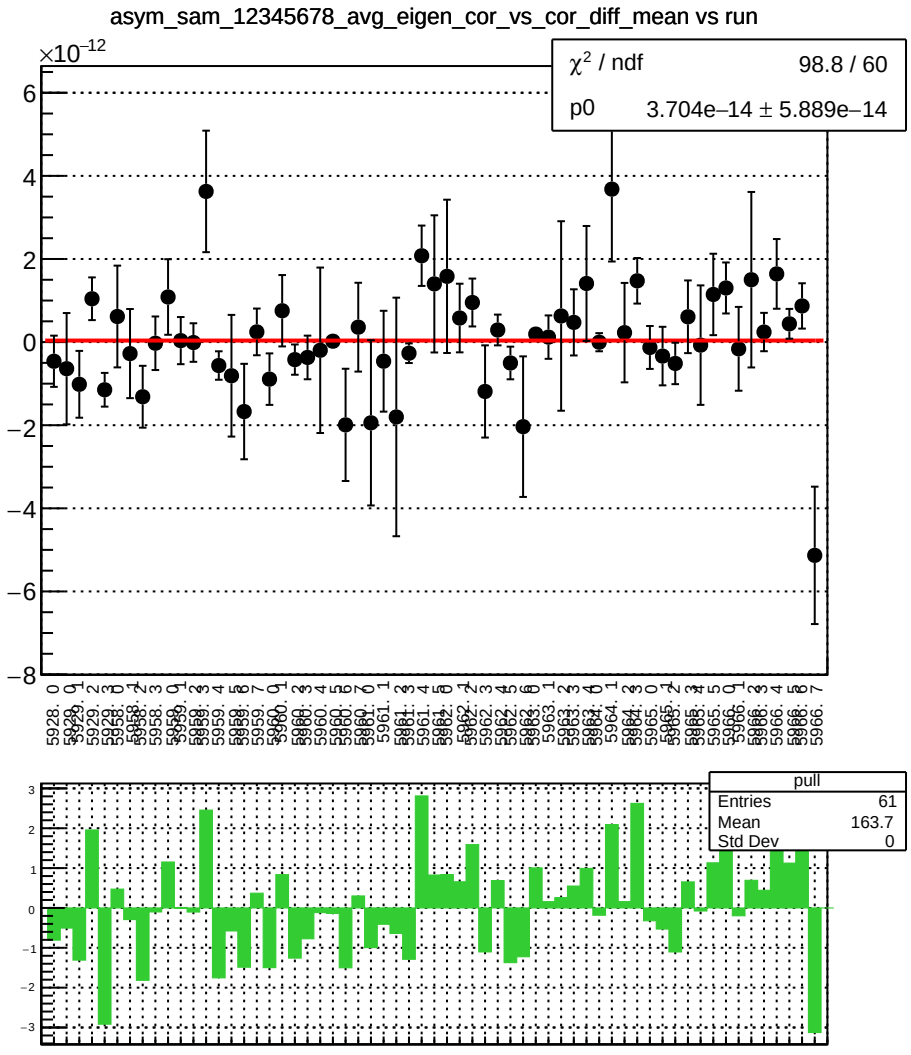

pull1D
Entries 61
Mean 0.01269
Std Dev 1.052

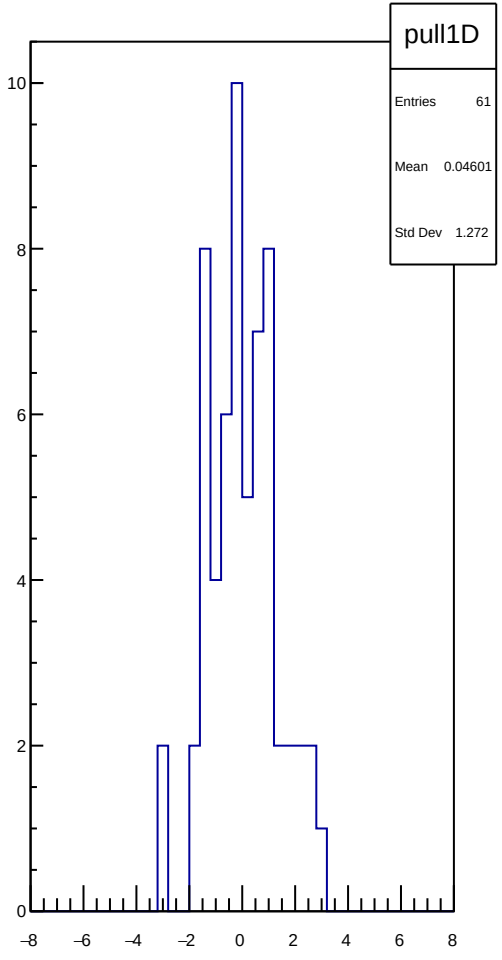

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.048e+04 / 60
p0 32.62 ± 0.03038
65
60
55
50
45
40
35
30
25

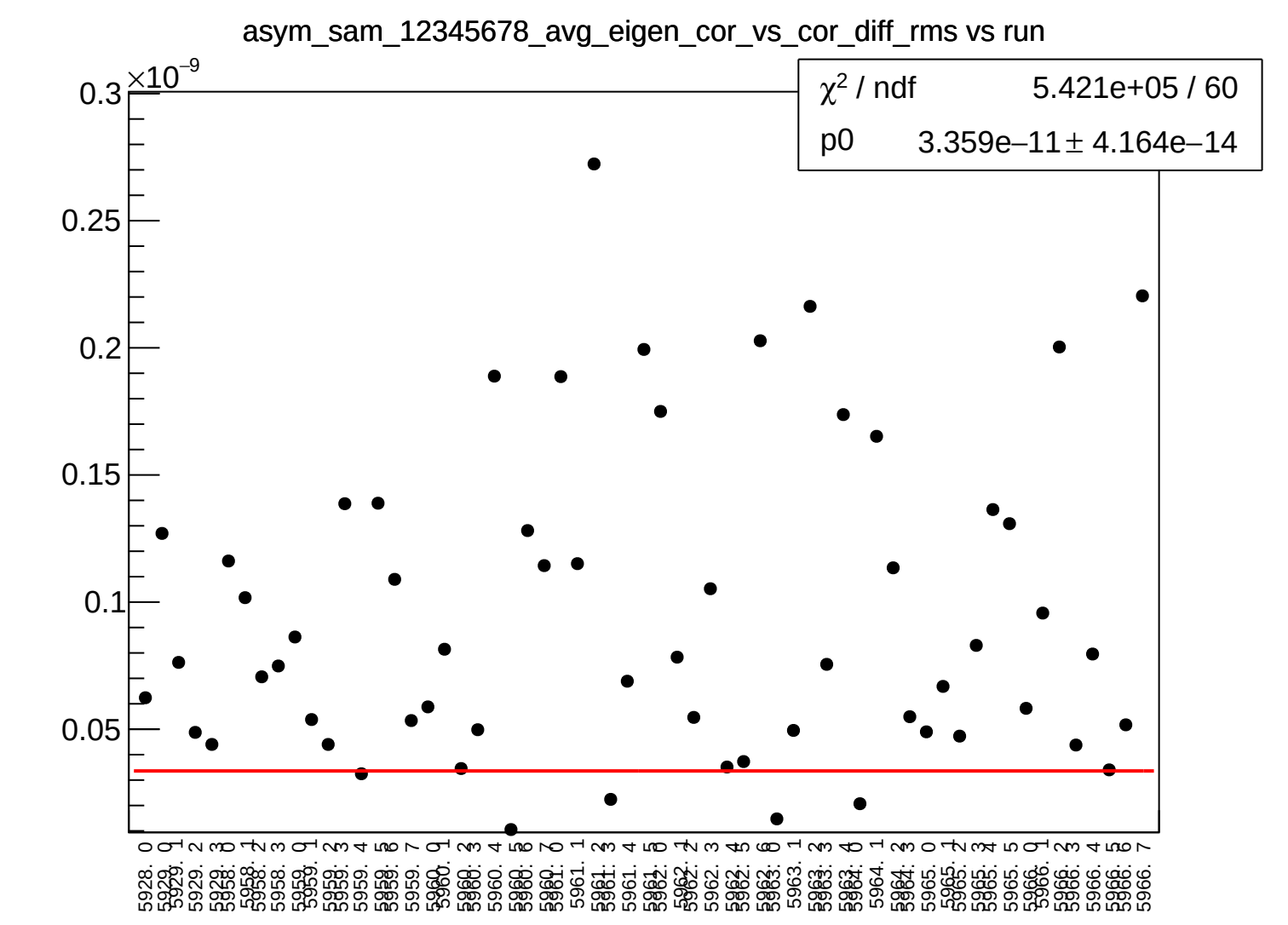

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.49 / 60
p0 −0.004319 ± 0.04297
pull
Entries 61
Mean −182.9
Std Dev 0

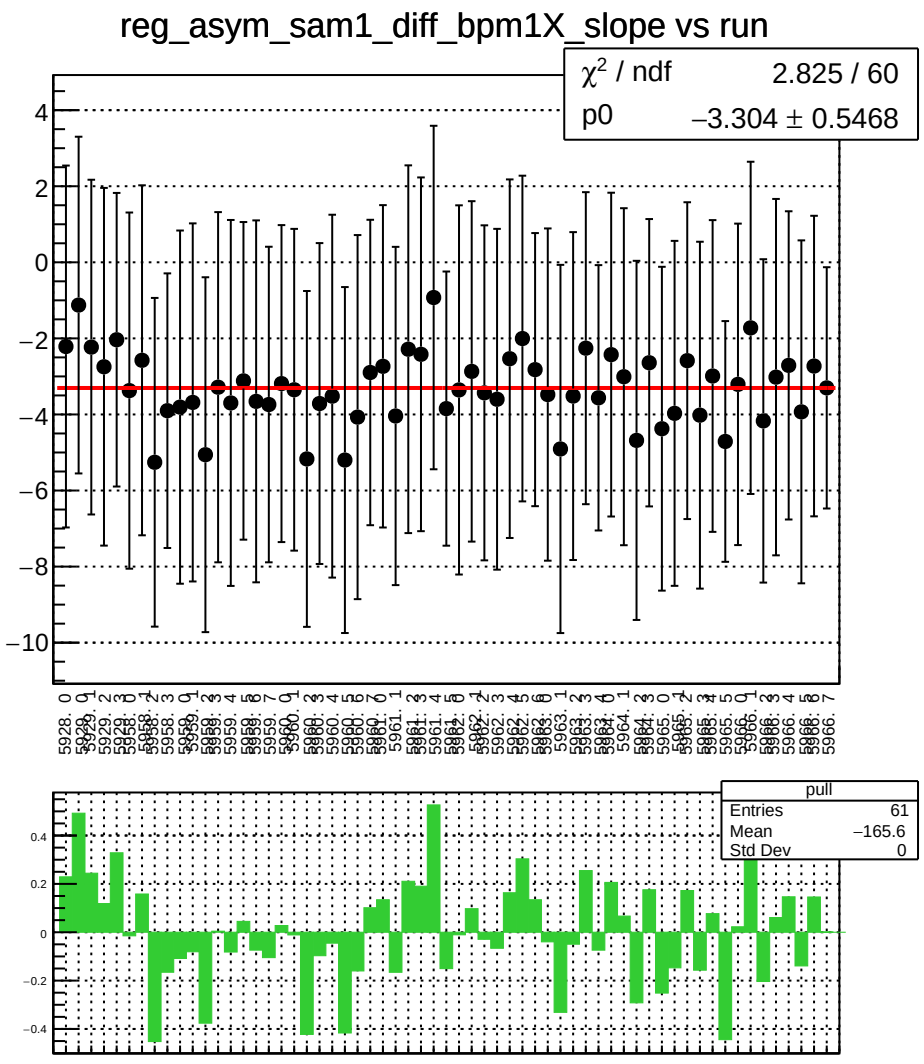

pull1D
Entries 61
Mean 0.01269
Std Dev 1.052

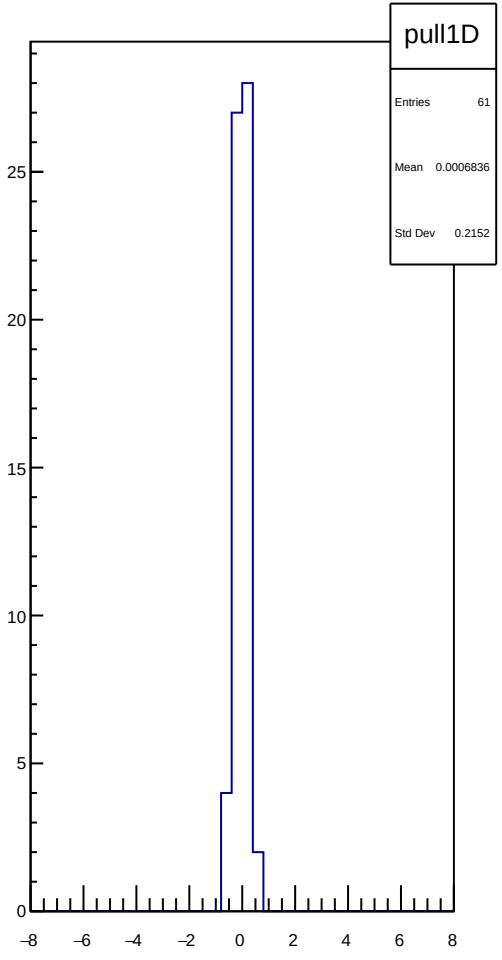

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.048e+04 / 60
p0 32.62 ± 0.03038
65
60
55
50
45
40
35
30
25

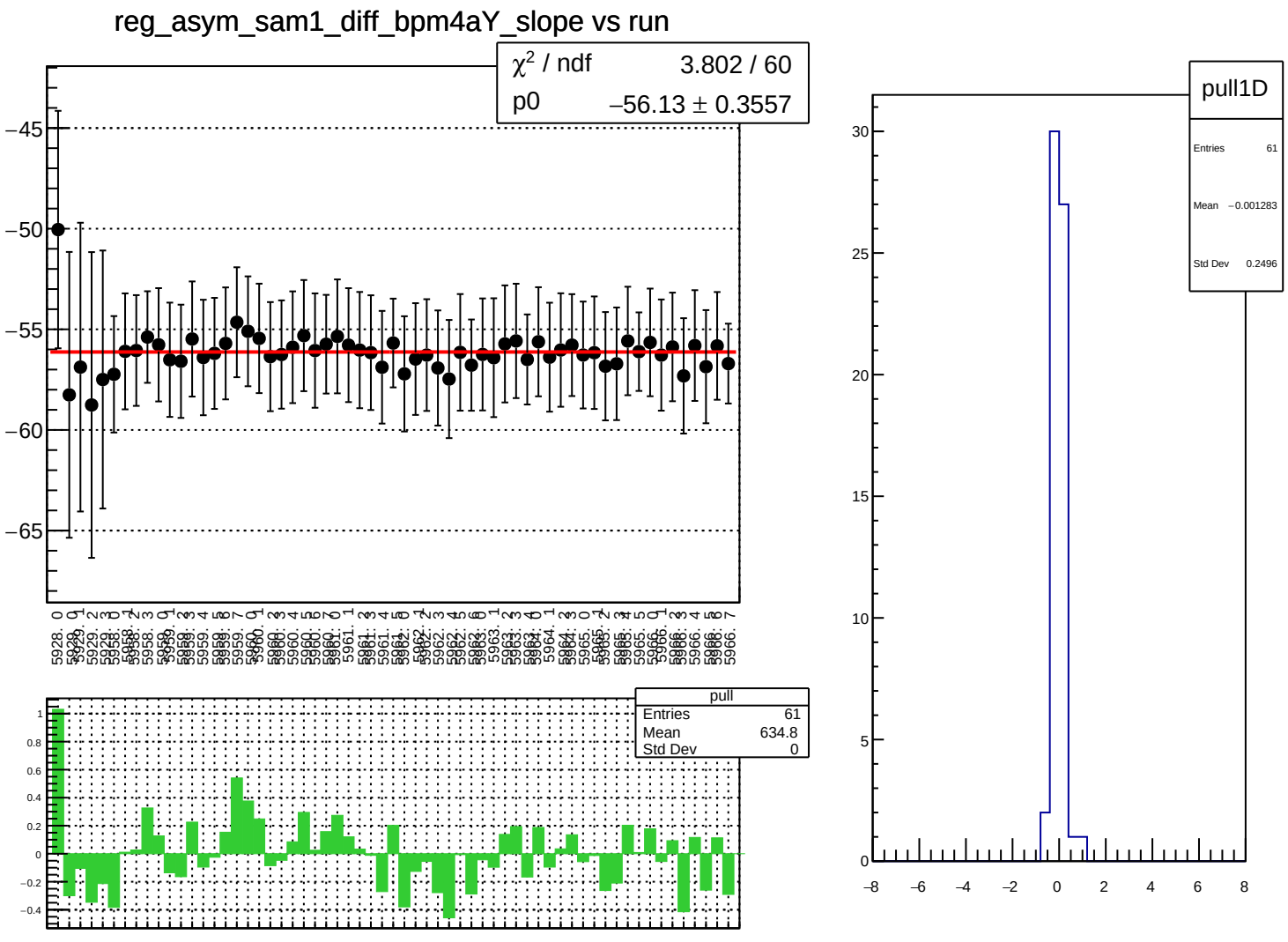

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.8 / 60
p0 3.704e−14 ± 5.889e−14
pull
Entries 61
Mean 163.7
Std Dev 0

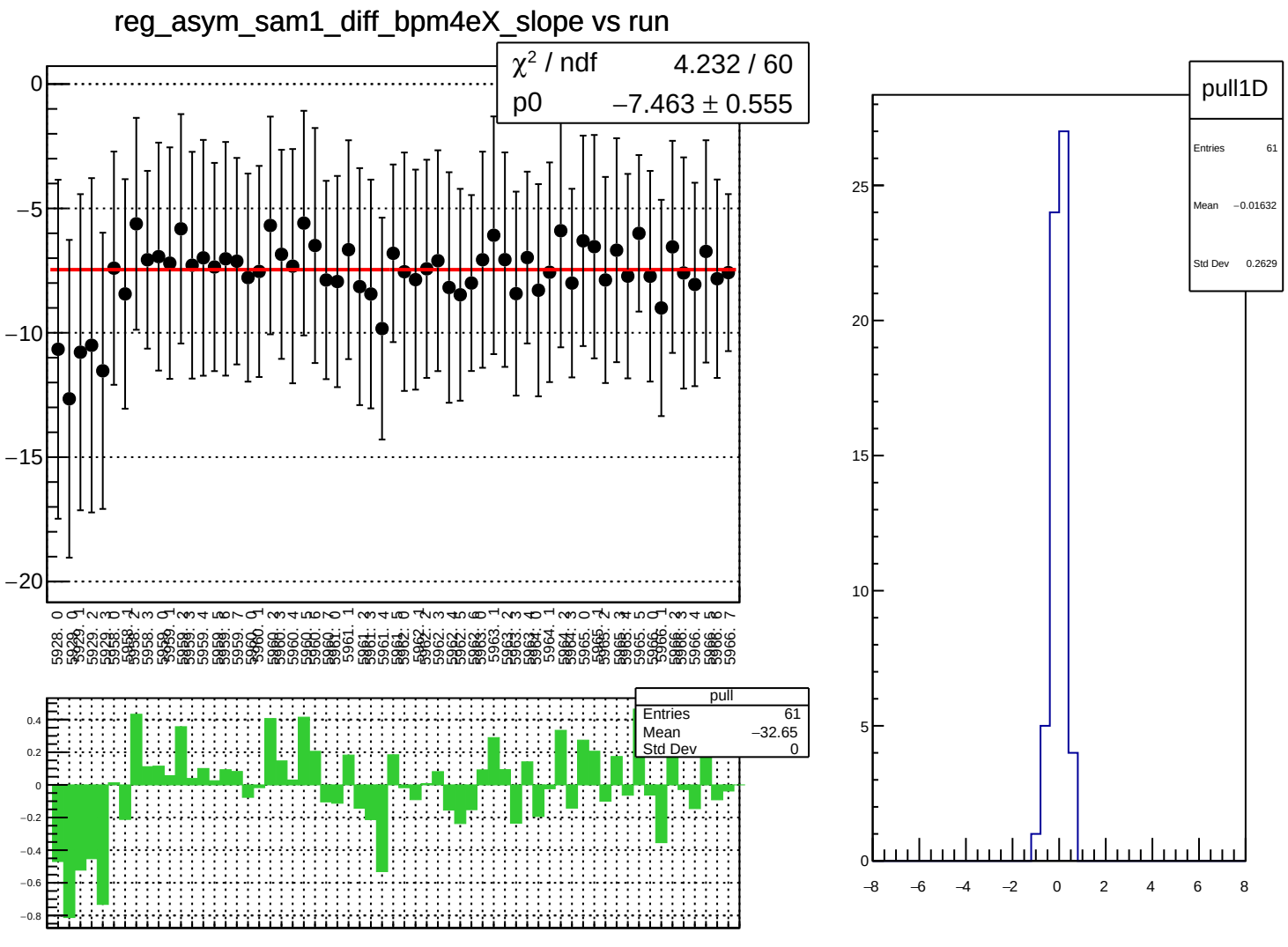

pull1D
Entries 61
Mean 0.04601
Std Dev 1.272

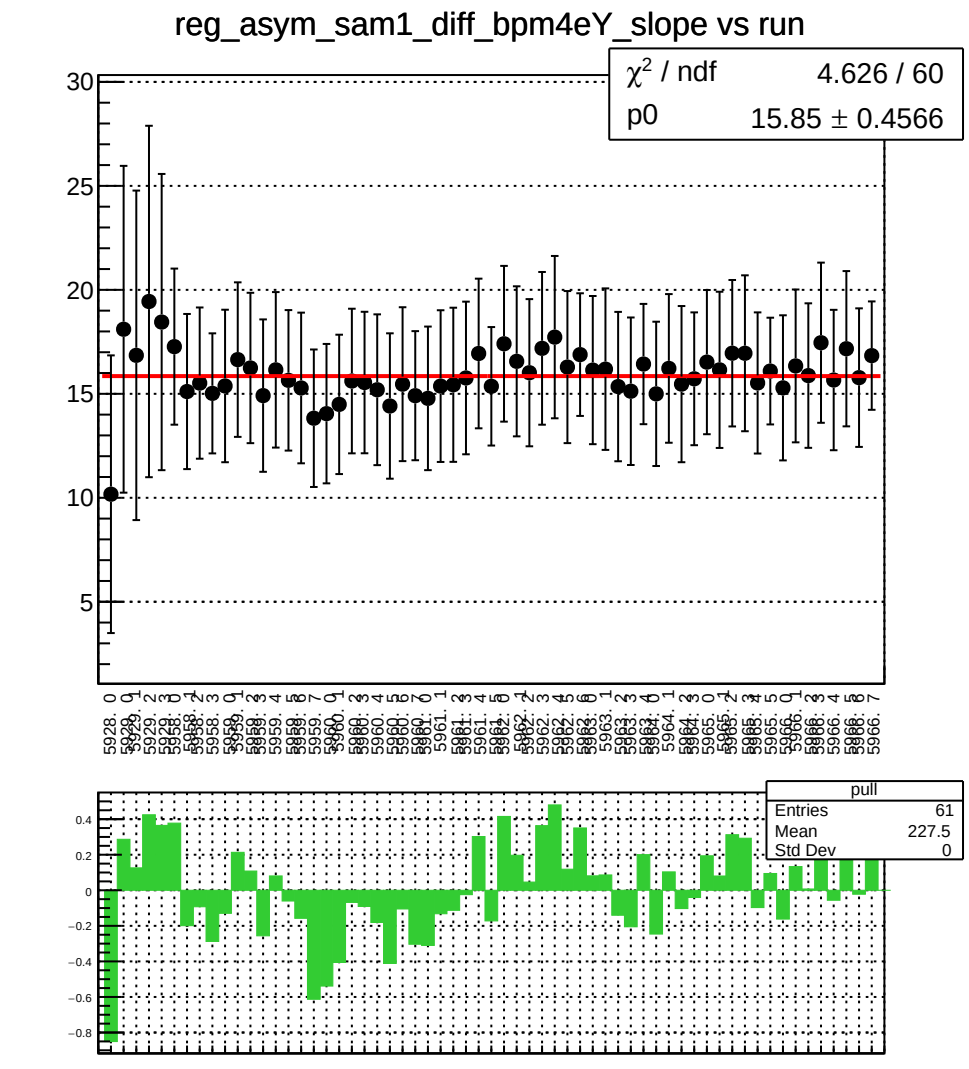

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 5.421e+05 / 60
p0 3.359e−11 ± 4.164e−14

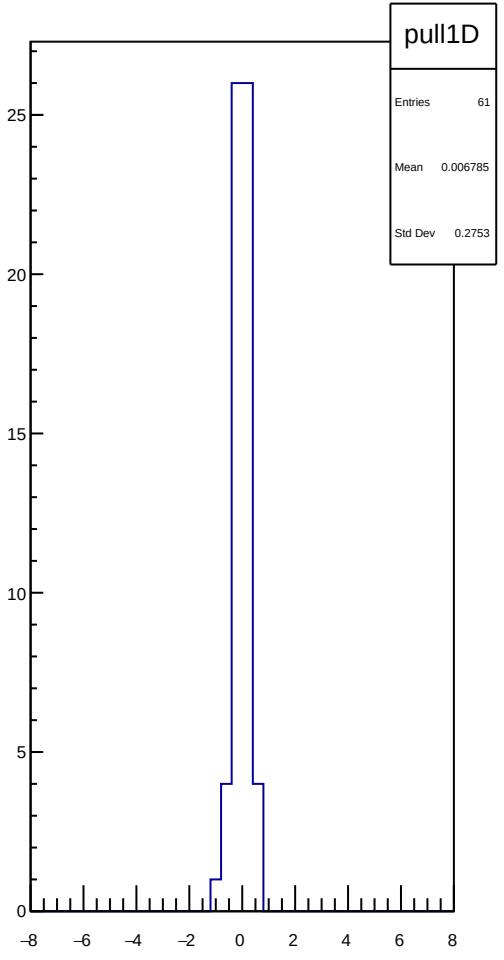

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 2.825 / 60
p0 −3.304 ± 0.5468
pull
Entries 61
Mean −165.6
Std Dev 0

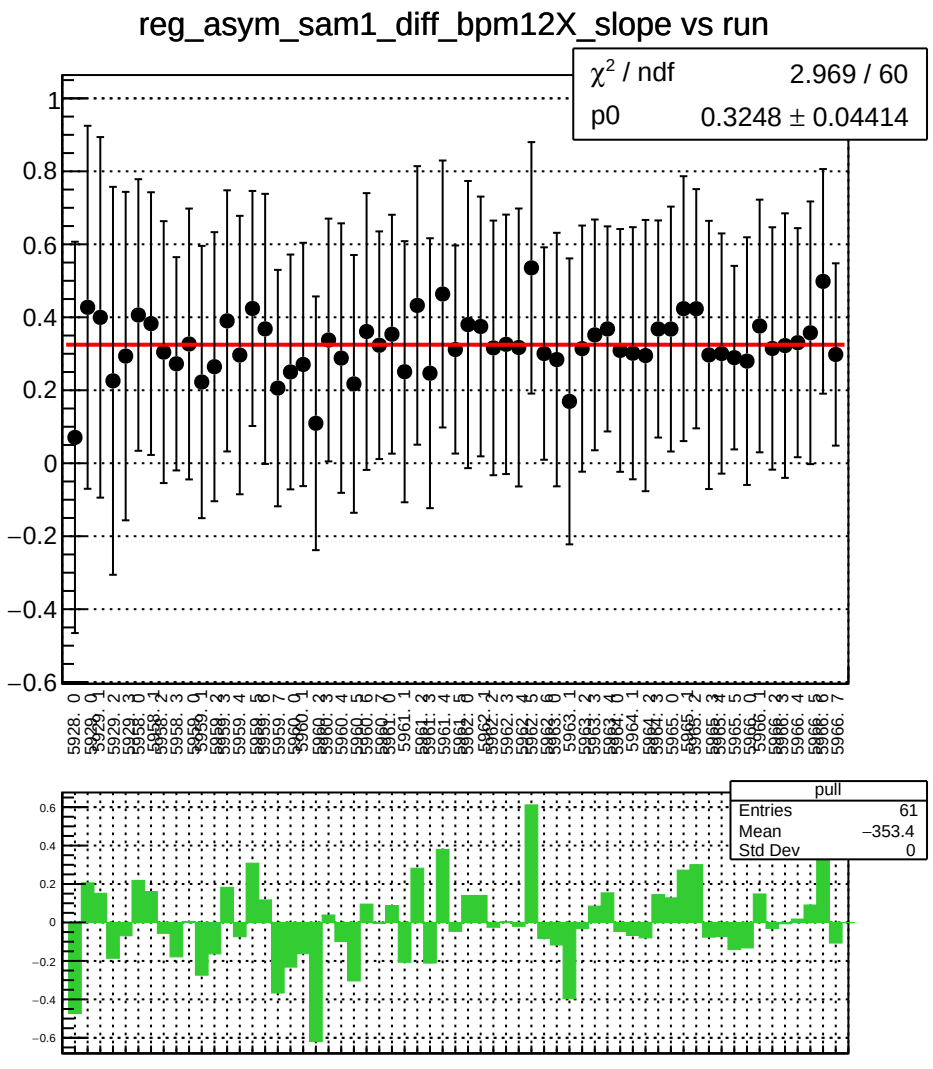

pull1D
Entries 61
Mean 0.0006836
Std Dev 0.2152

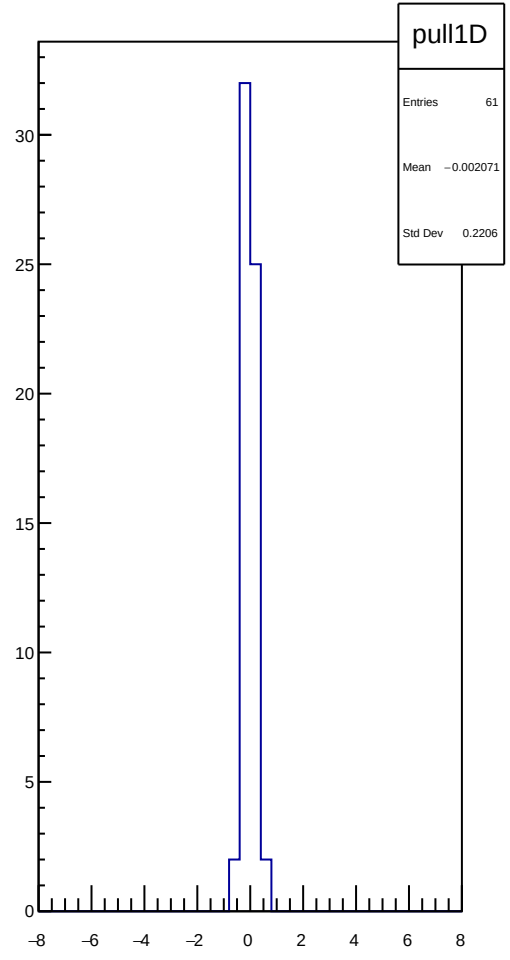

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 3.802 / 60
p0 −56.13 ± 0.3557
pull
Entries 61
Mean 634.8
Std Dev 0
pull1D
Entries 61
Mean −0.001283
Std Dev 0.2496

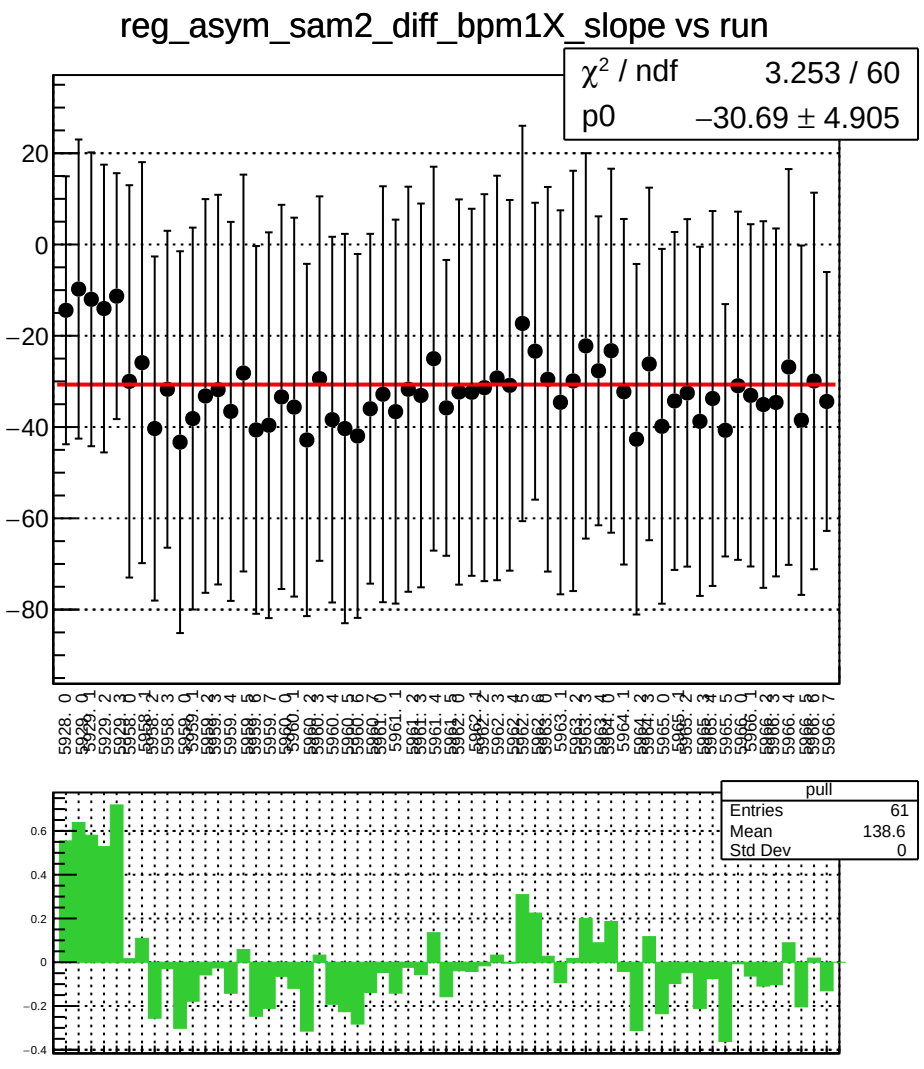

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.232 / 60
p0 −7.463 ± 0.555
pull
Entries 61
Mean −32.65
Std Dev 0
pull1D
Entries 61
Mean −0.01632
Std Dev 0.2629

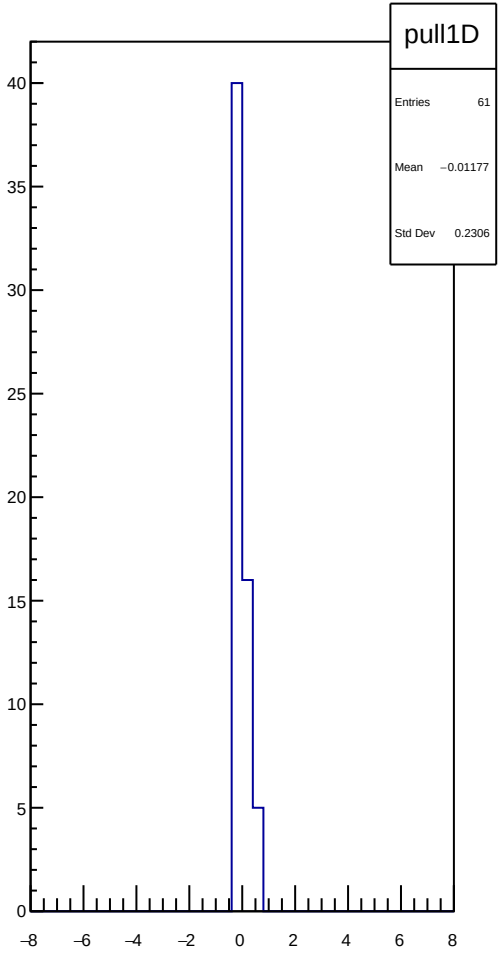

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 4.626 / 60
p0 15.85 ± 0.4566
pull
Entries 61
Mean 227.5
Std Dev 0

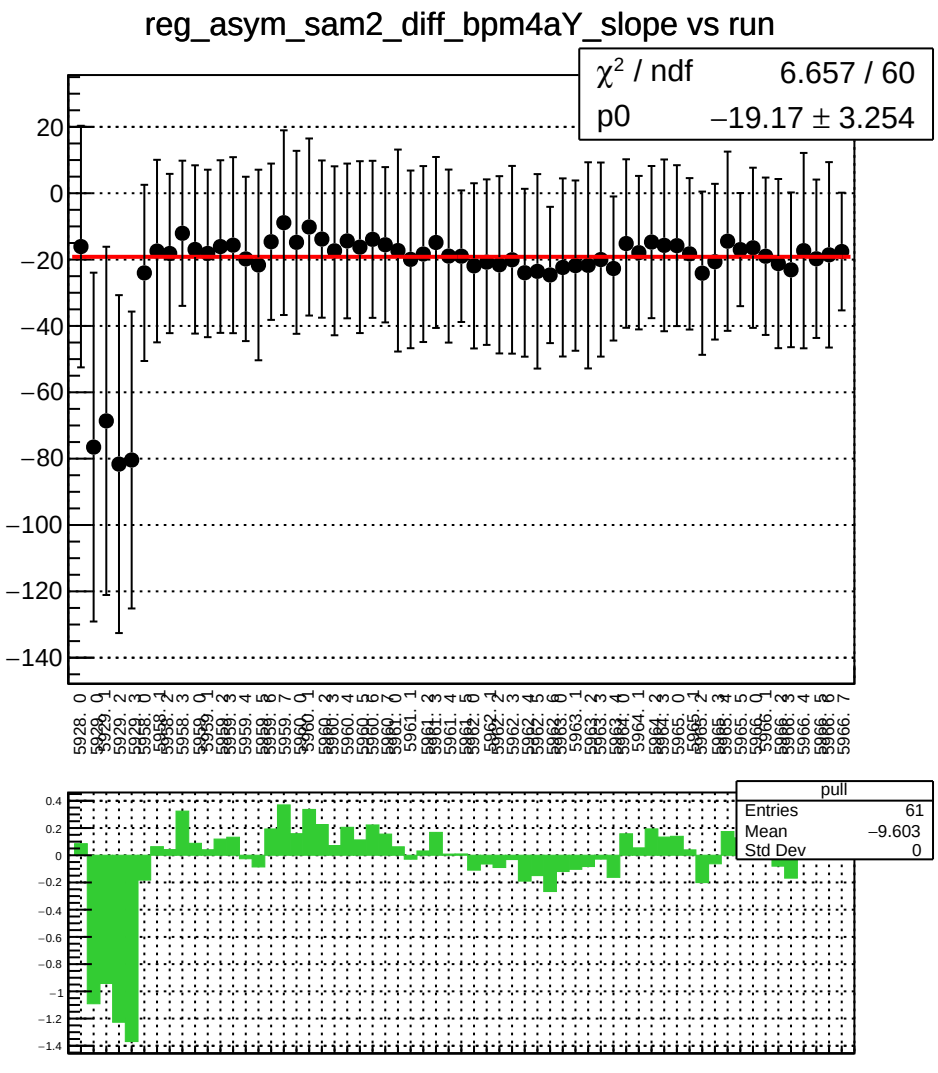

pull1D
Entries 61
Mean 0.006785
Std Dev 0.2753

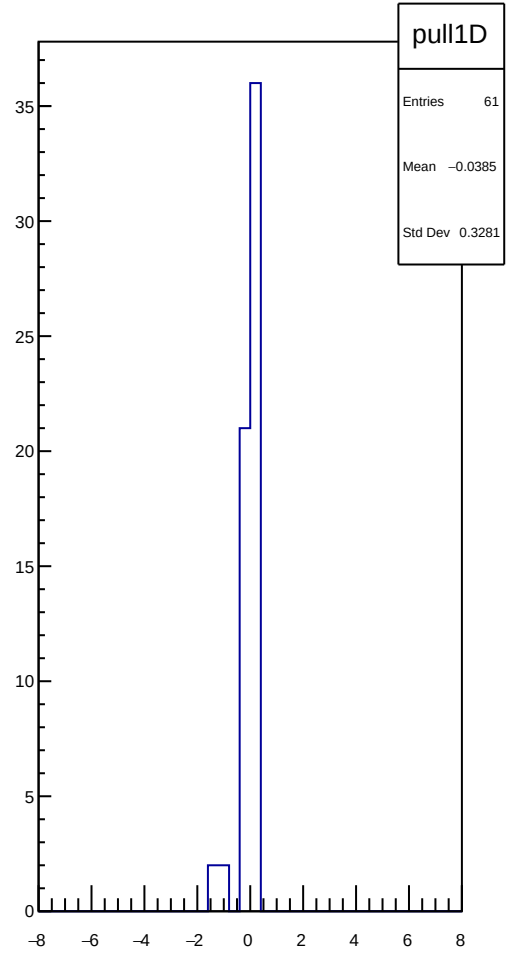

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.969 / 60
p0 0.3248 ± 0.04414
pull
Entries 61
Mean −353.4
Std Dev 0

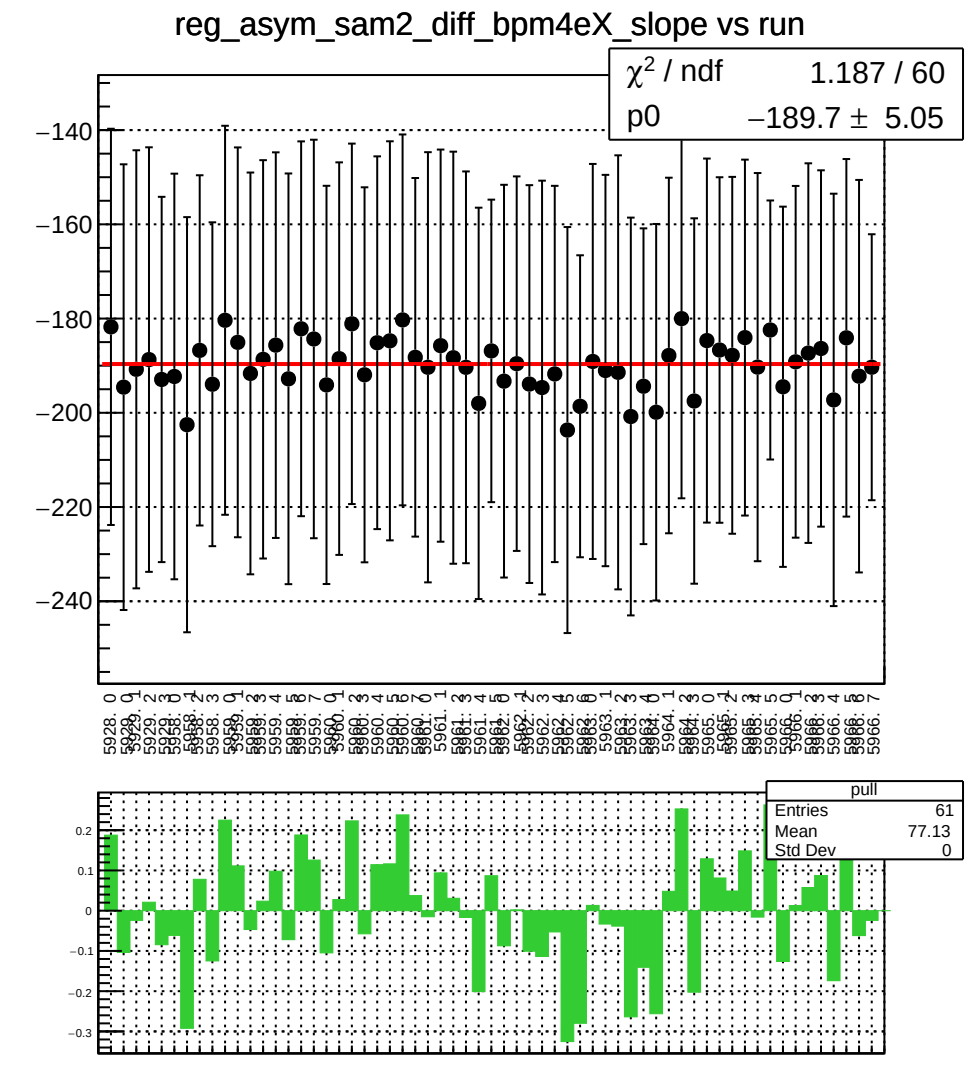

pull1D
Entries 61
Mean −0.002071
Std Dev 0.2206

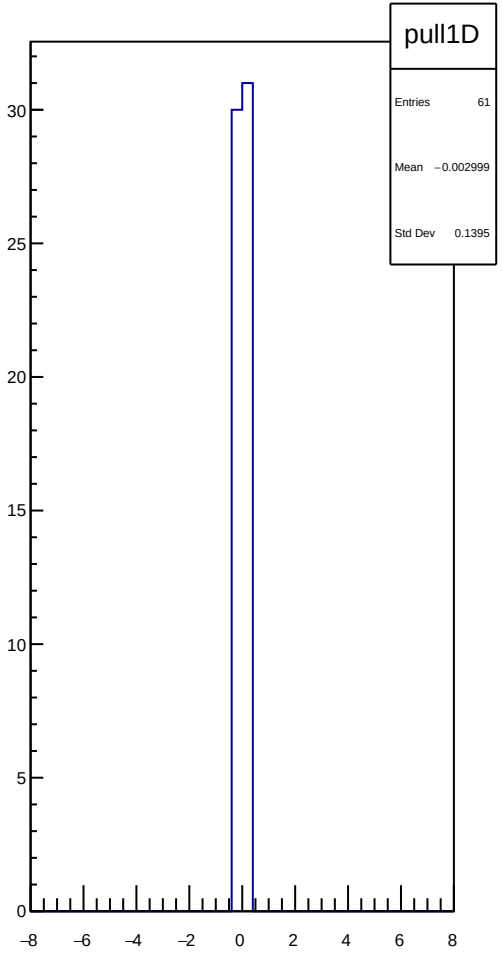

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 3.253 / 60
p0 −30.69 ± 4.905
pull
Entries 61
Mean 138.6
Std Dev 0

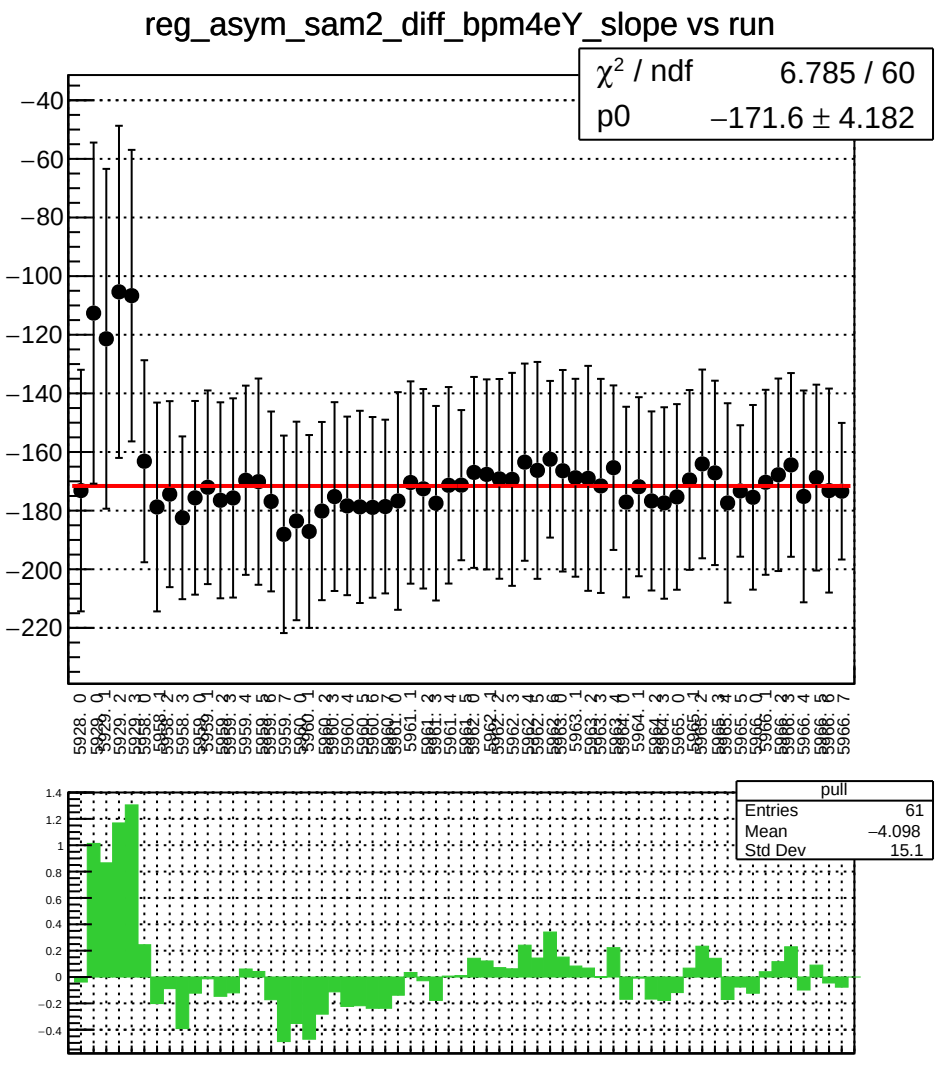

pull1D
Entries 61
Mean −0.01177
Std Dev 0.2306

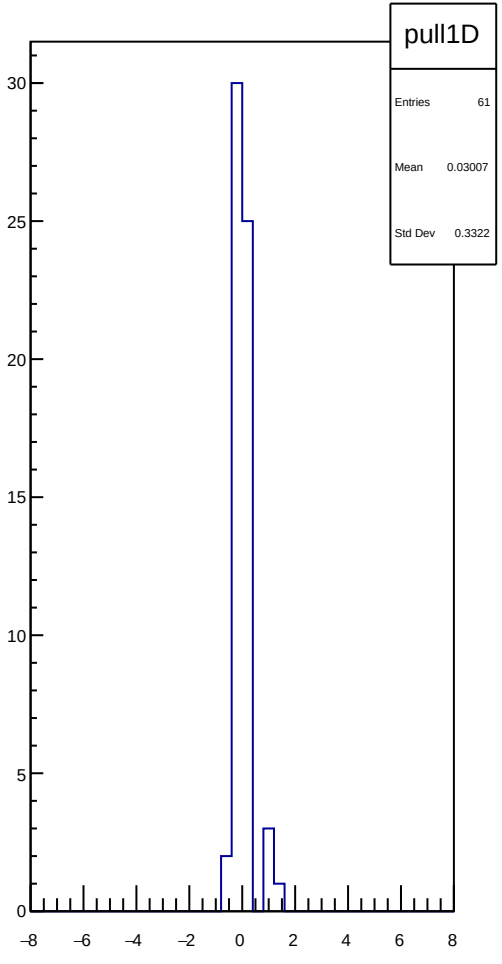

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.657 / 60
p0 −19.17 ± 3.254
pull
Entries 61
Mean −9.603
Std Dev 0

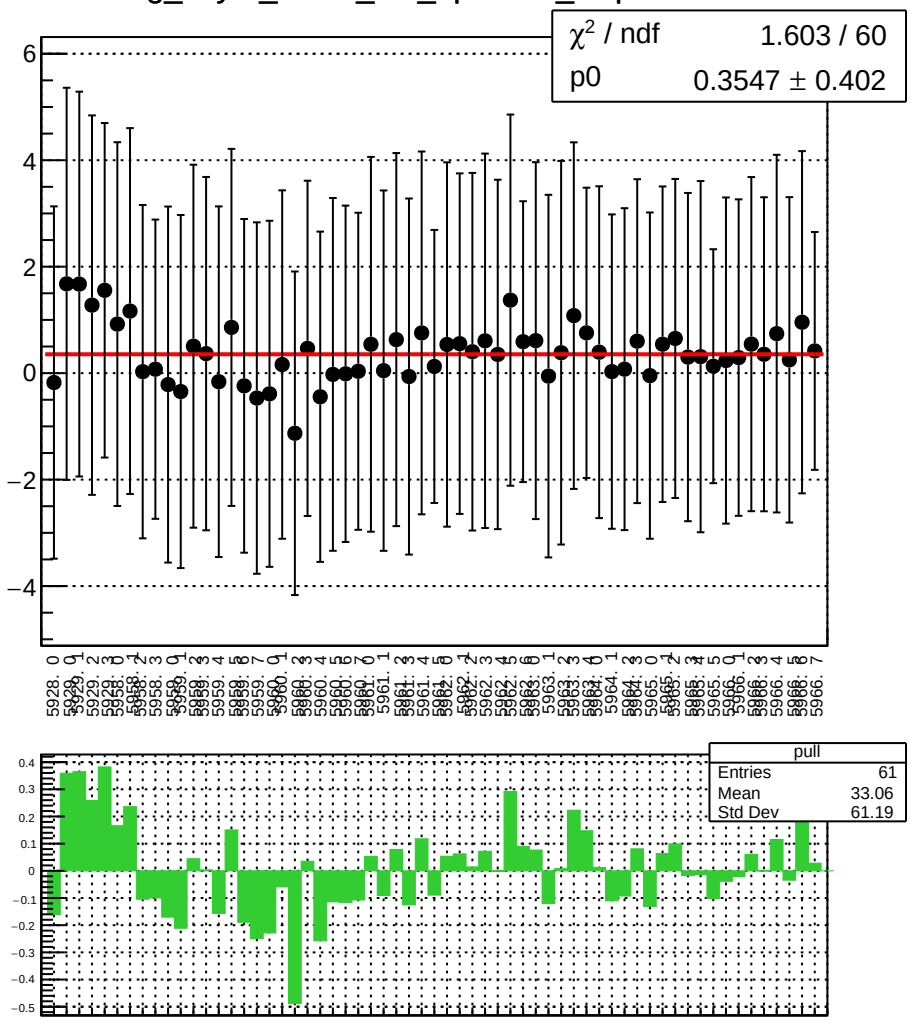

pull1D
Entries 61
Mean −0.0385
Std Dev 0.3281

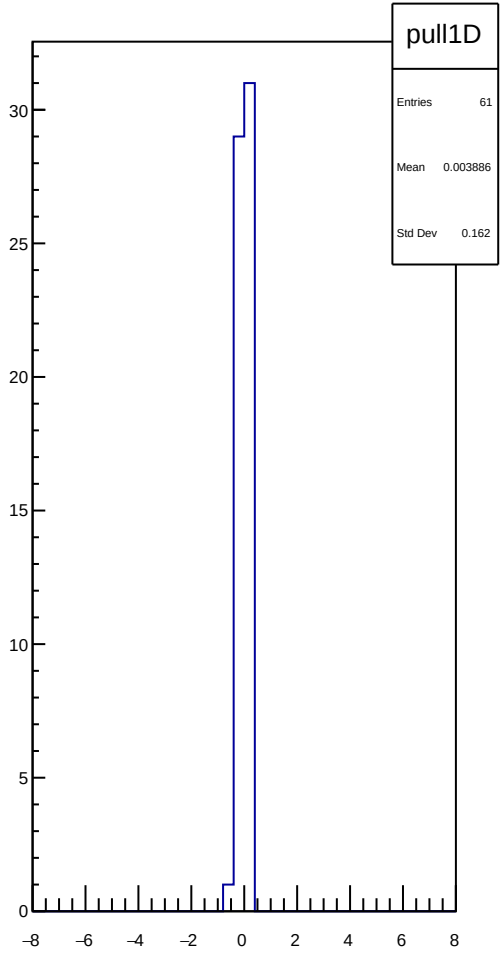

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.187 / 60
p0 −189.7 ± 5.05
pull
Entries 61
Mean 77.13
Std Dev 0

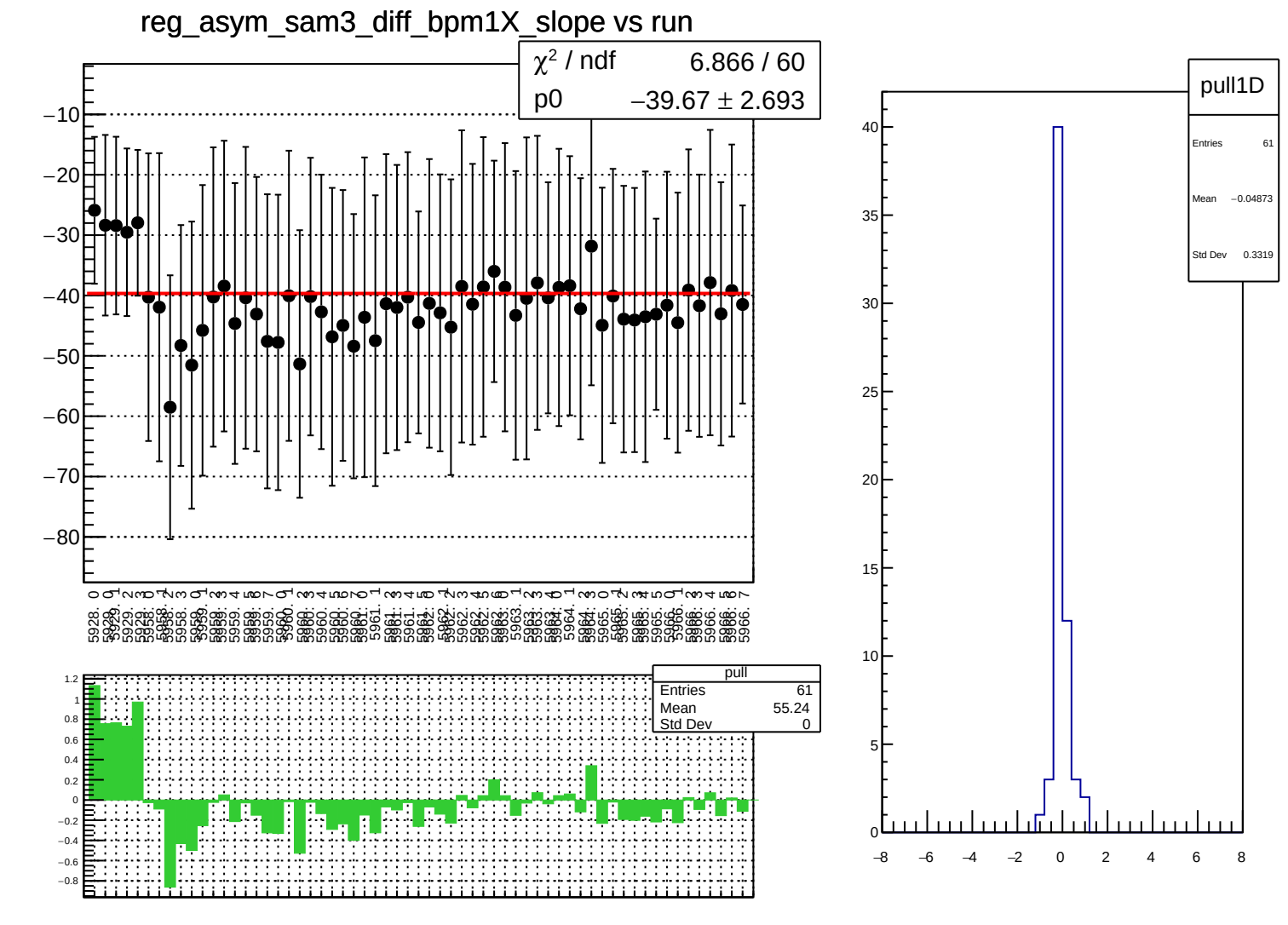

pull1D
Entries 61
Mean −0.002999
Std Dev 0.1395

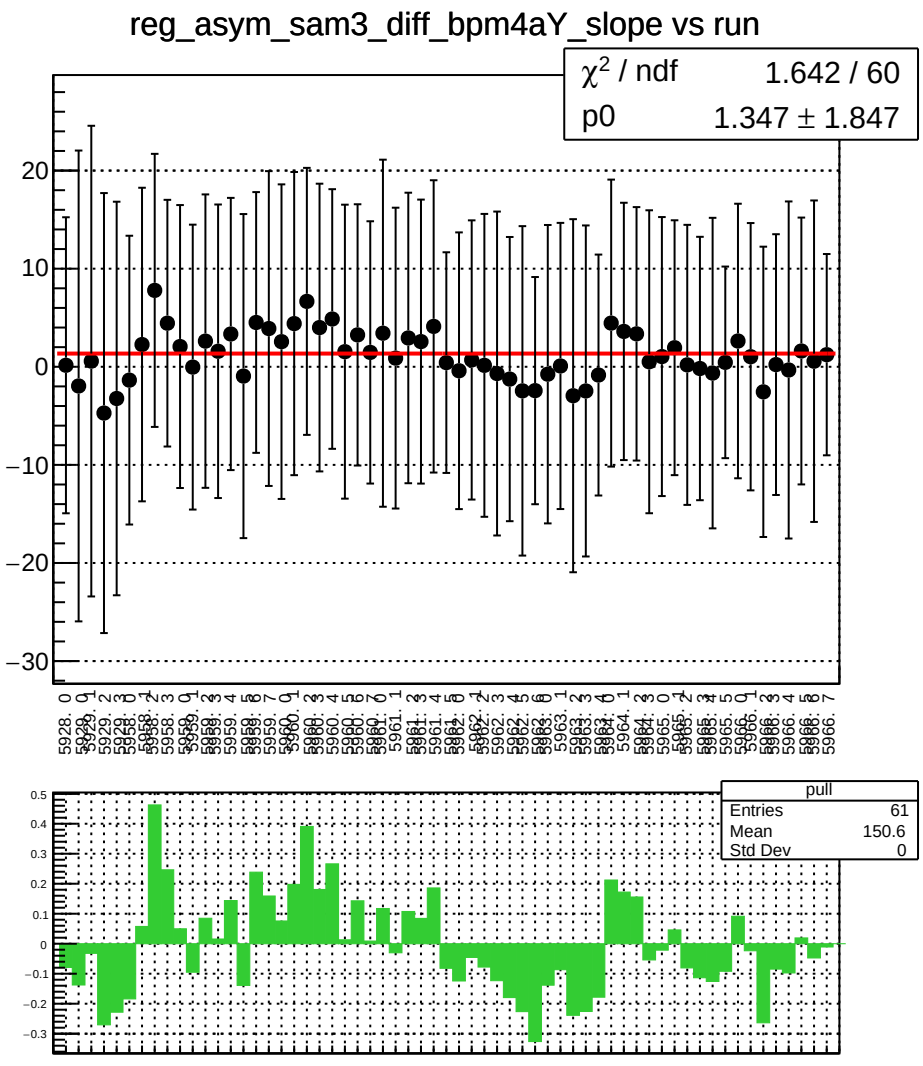

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 6.785 / 60
p0 −171.6 ± 4.182
pull
Entries 61
Mean −4.098
Std Dev 15.1

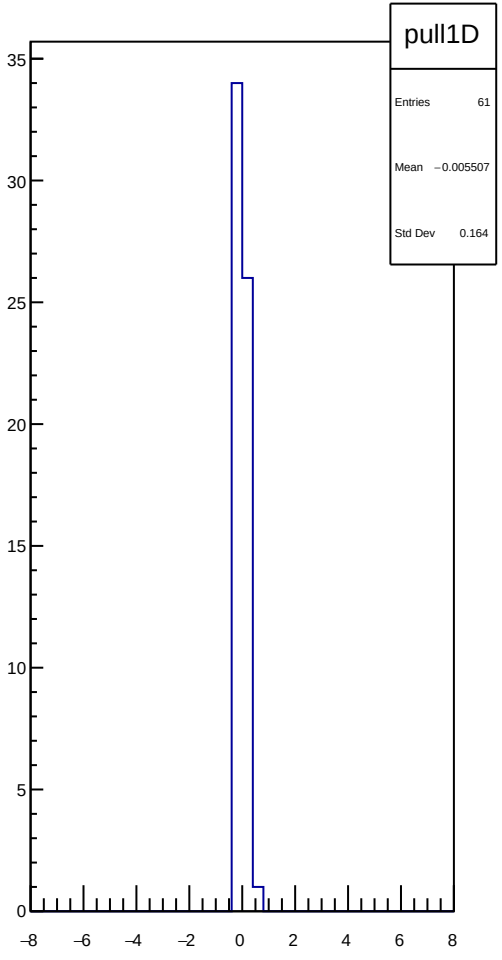

pull1D
Entries 61
Mean 0.03007
Std Dev 0.3322

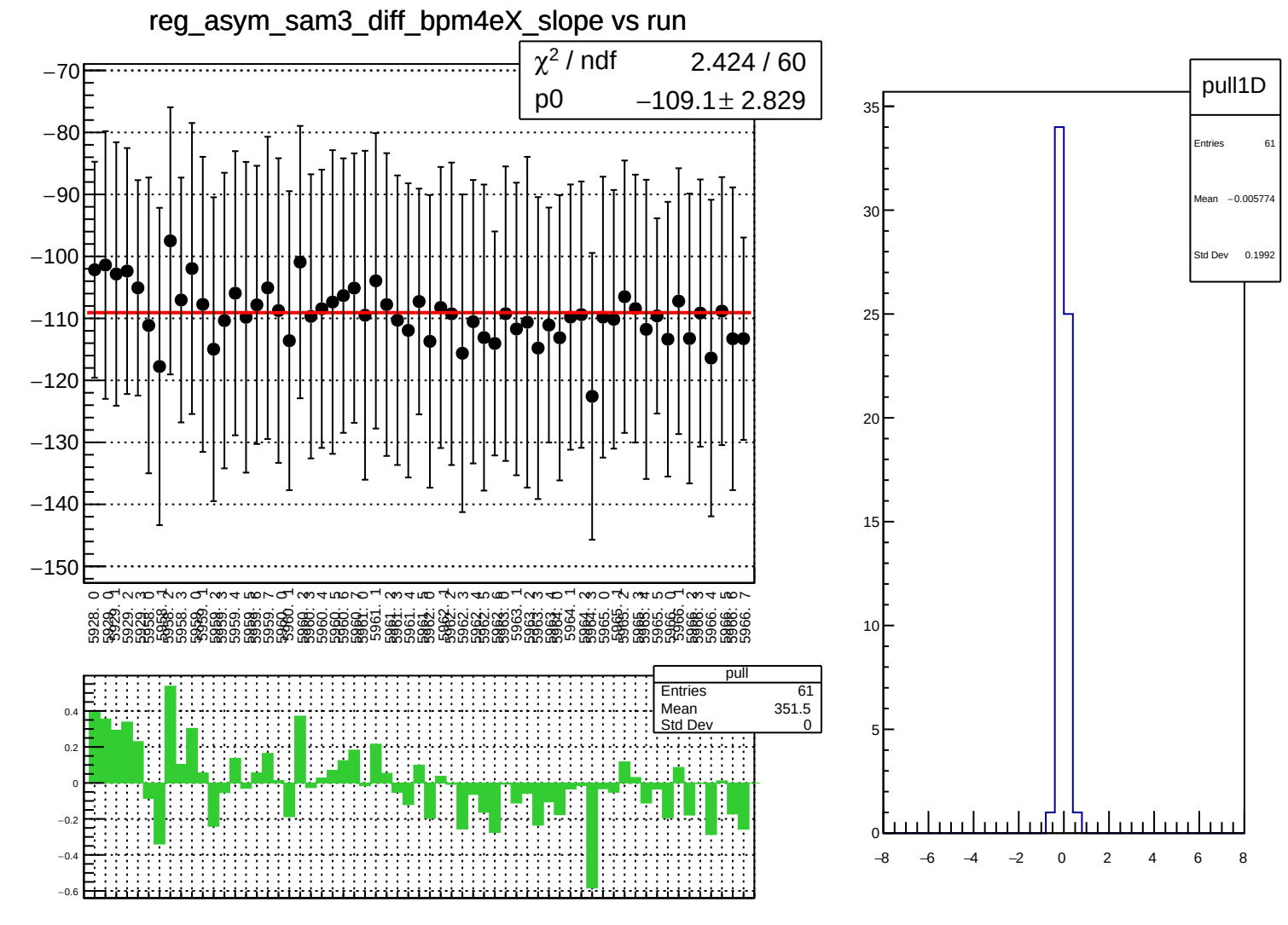

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.603 / 60
p0 0.3547 ± 0.402
pull
Entries 61
Mean 33.06
Std Dev 61.19

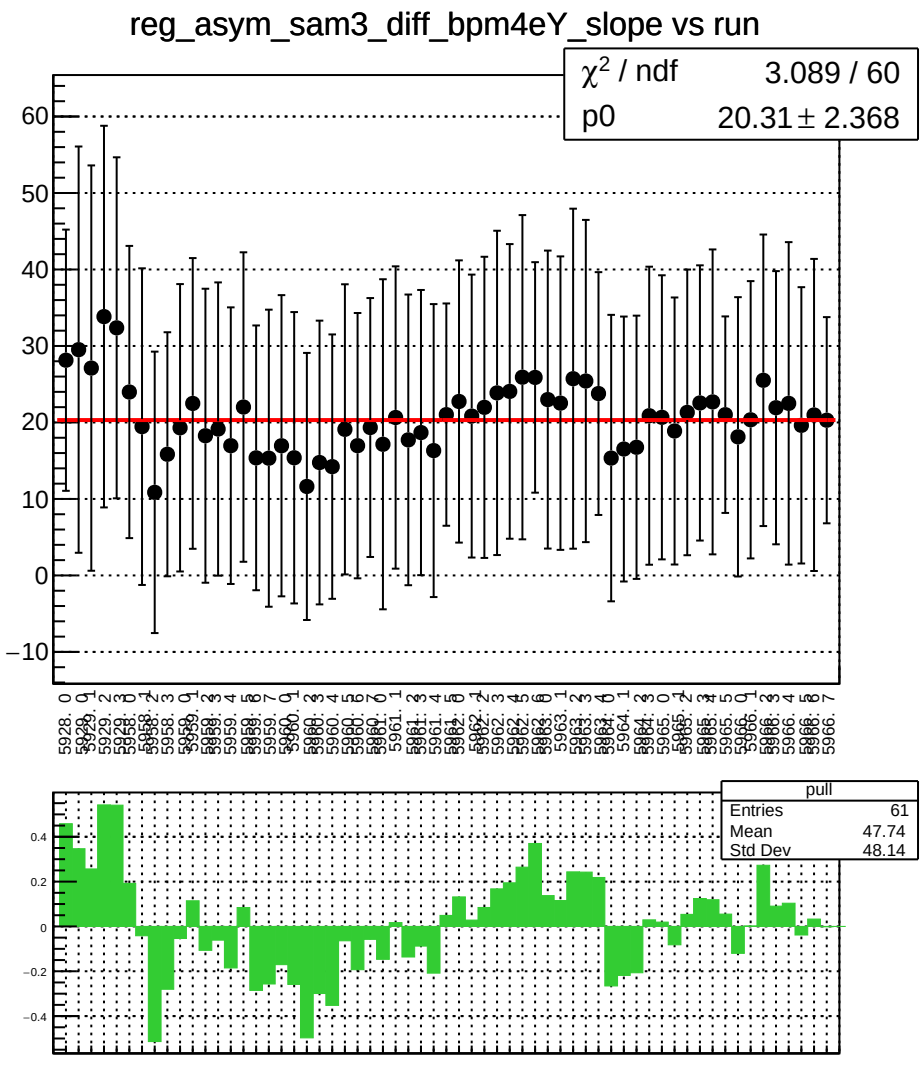

pull1D
Entries 61
Mean 0.003886
Std Dev 0.162

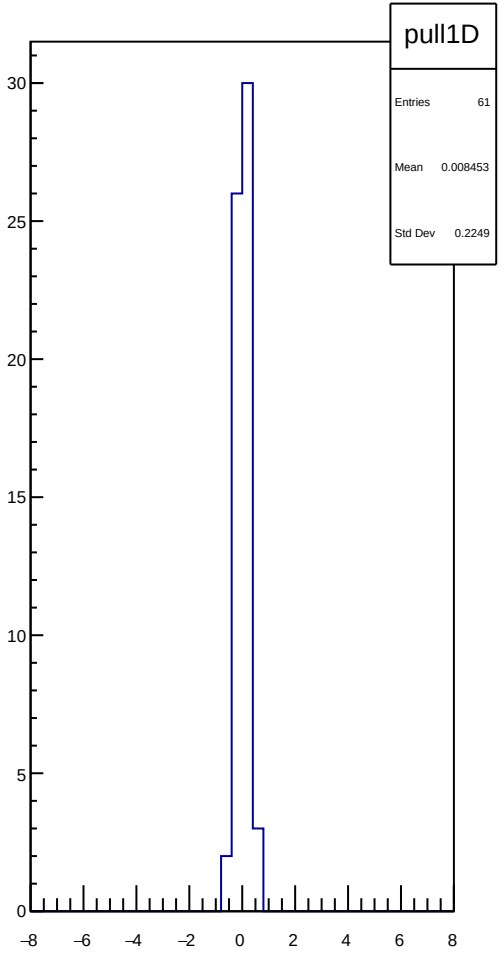

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.866 / 60
p0 −39.67 ± 2.693
pull
Entries 61
Mean 55.24
Std Dev 0
pull1D
Entries 61
Mean −0.04873
Std Dev 0.3319

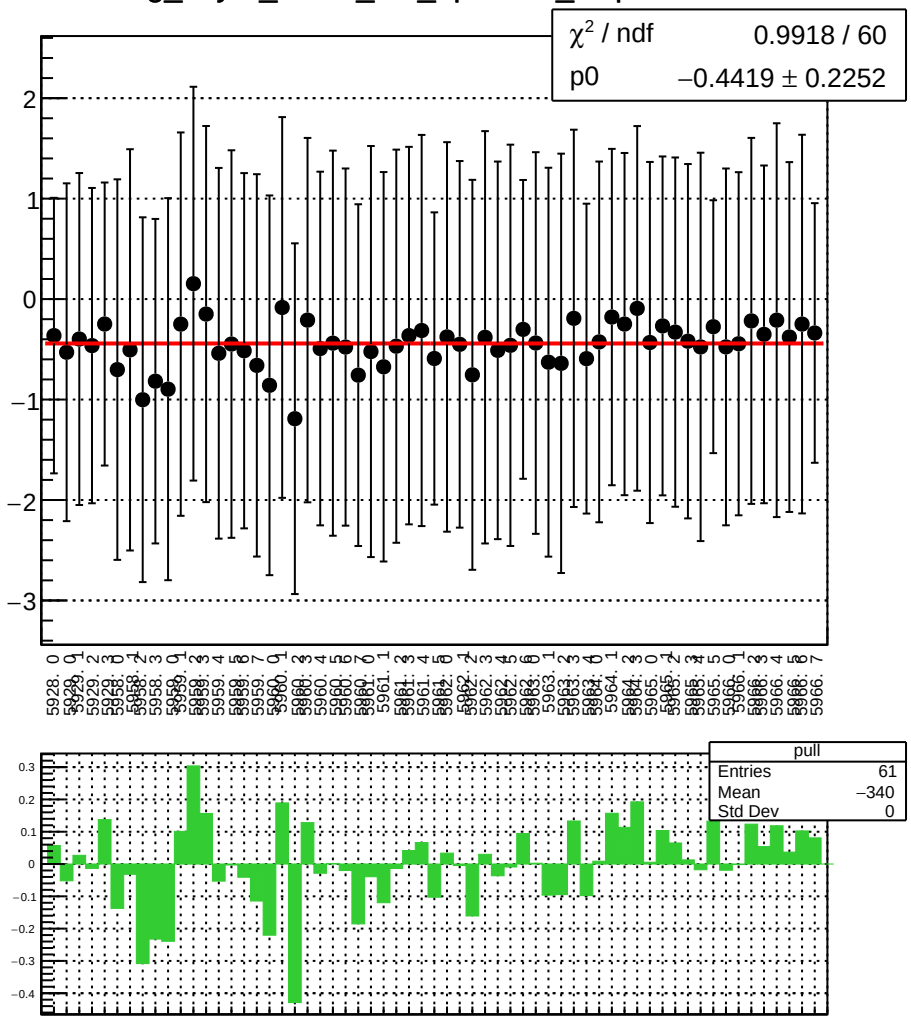

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.642 / 60
p0 1.347 ± 1.847
pull
Entries 61
Mean 150.6
Std Dev 0

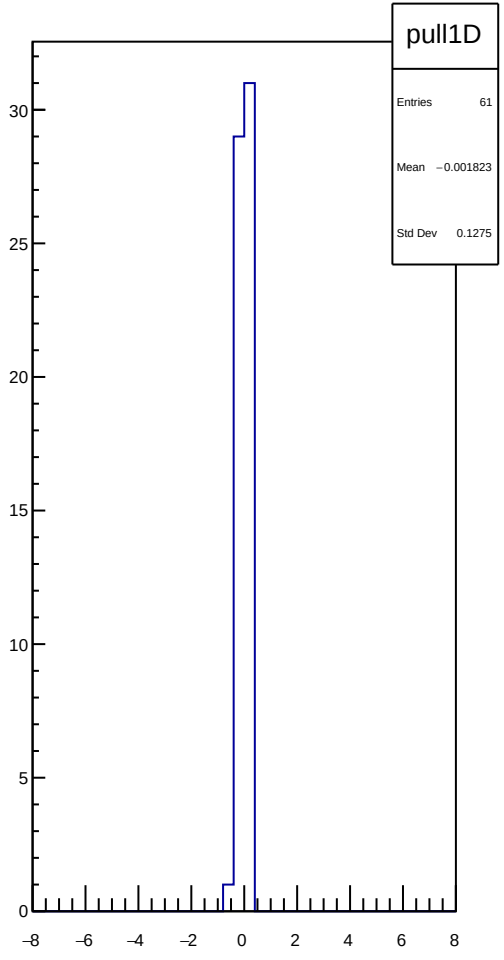

pull1D
Entries 61
Mean −0.005507
Std Dev 0.164

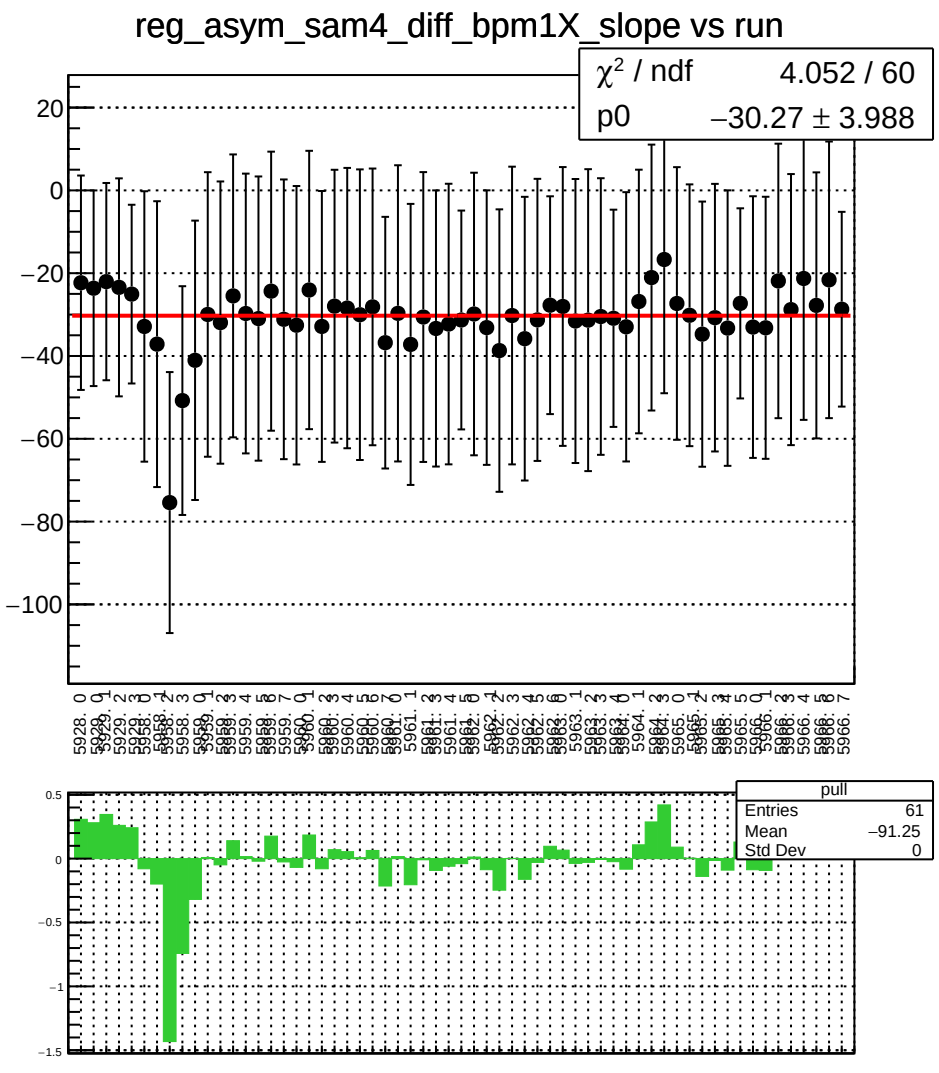

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.424 / 60
p0 −109.1± 2.829
pull
Entries 61
Mean 351.5
Std Dev 0
pull1D
Entries 61
Mean −0.005774
Std Dev 0.1992

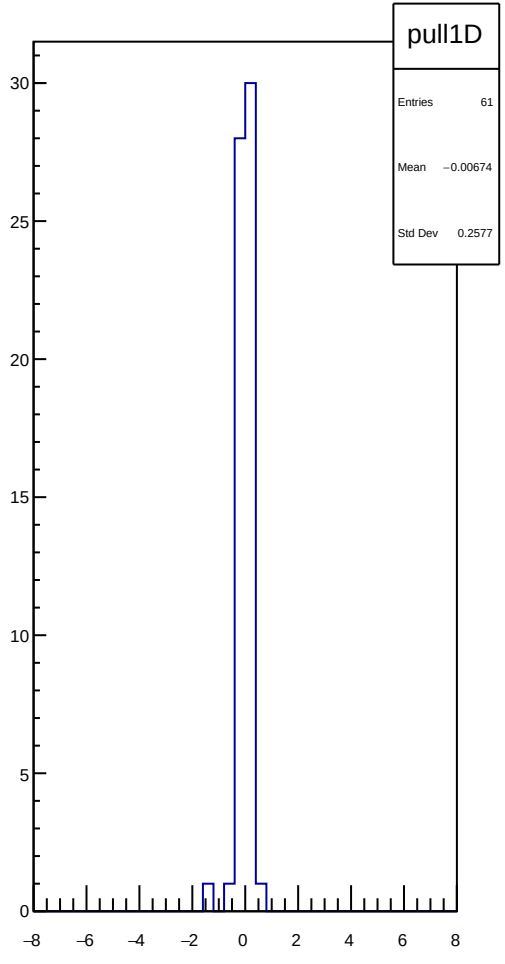

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.089 / 60
p0 20.31 ± 2.368
pull
Entries 61
Mean 47.74
Std Dev 48.14

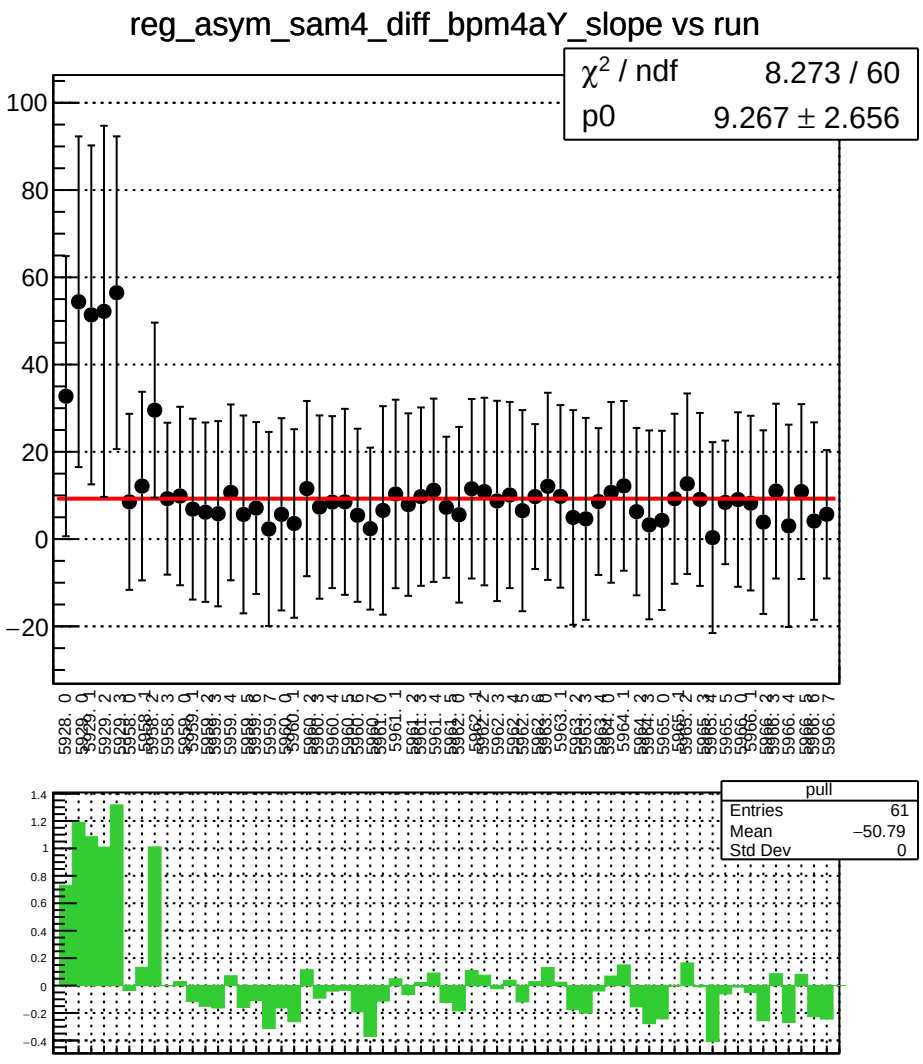

pull1D
Entries 61
Mean 0.008453
Std Dev 0.2249

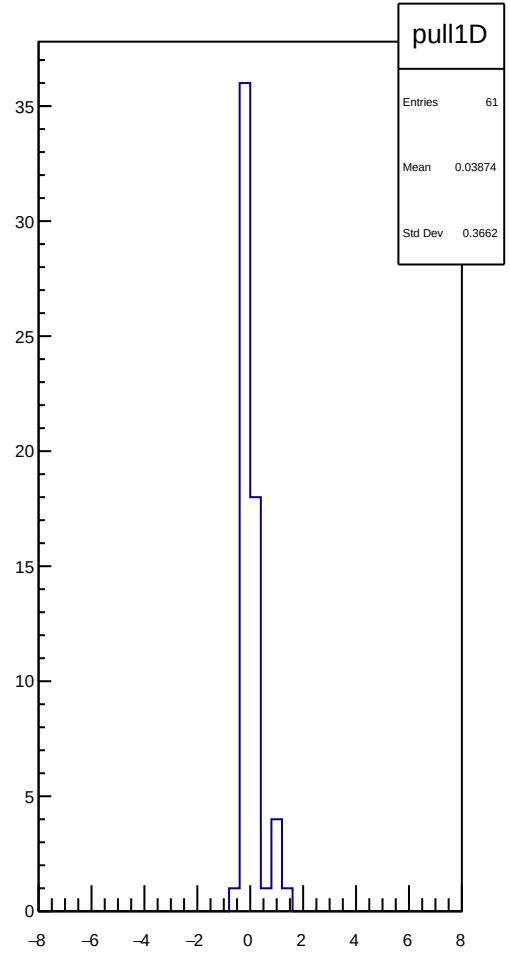

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.9918 / 60
p0 −0.4419 ± 0.2252
pull
Entries 61
Mean −340
Std Dev 0

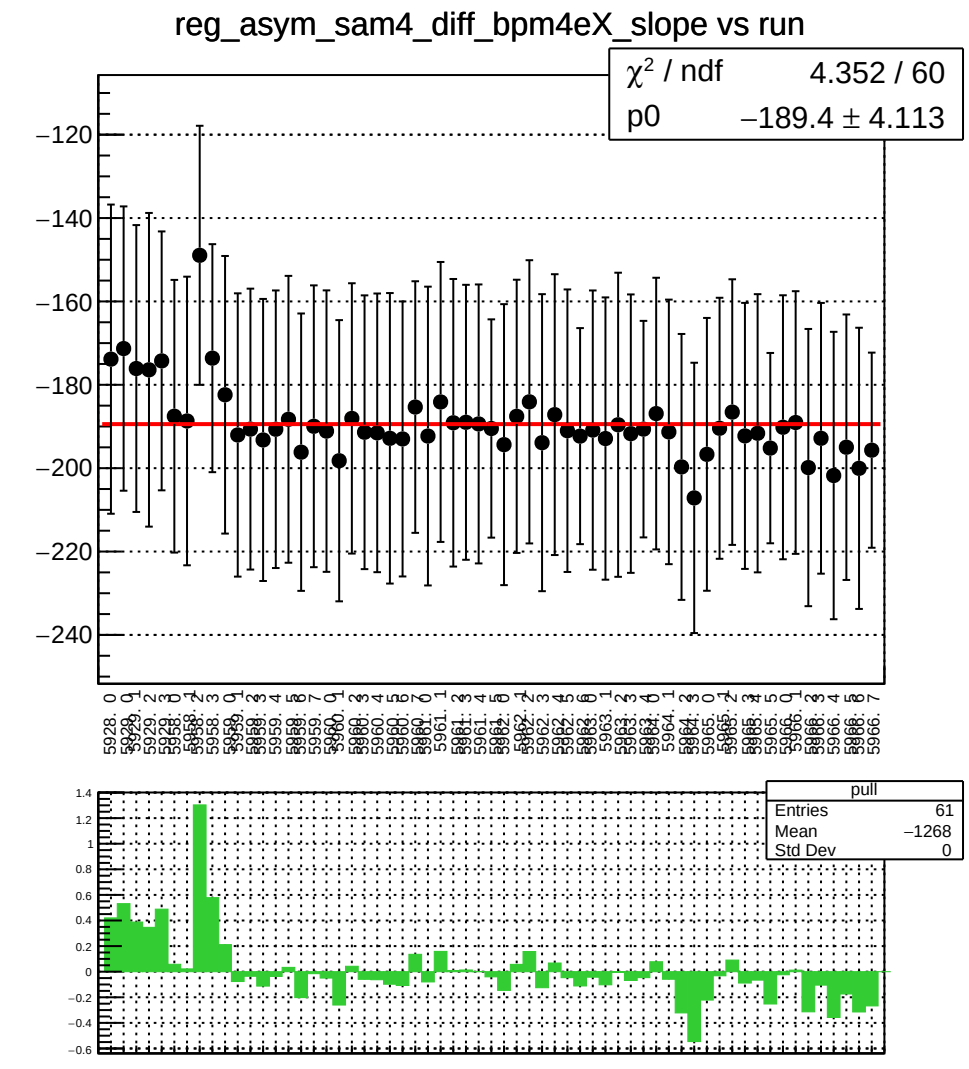

pull1D
Entries 61
Mean −0.001823
Std Dev 0.1275

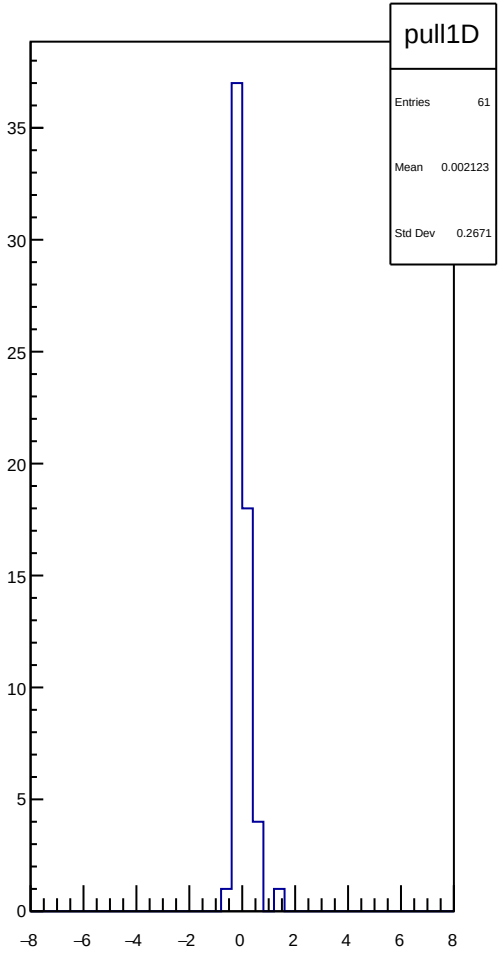

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.052 / 60
p0 −30.27 ± 3.988
pull
Entries 61
Mean −91.25
Std Dev 0

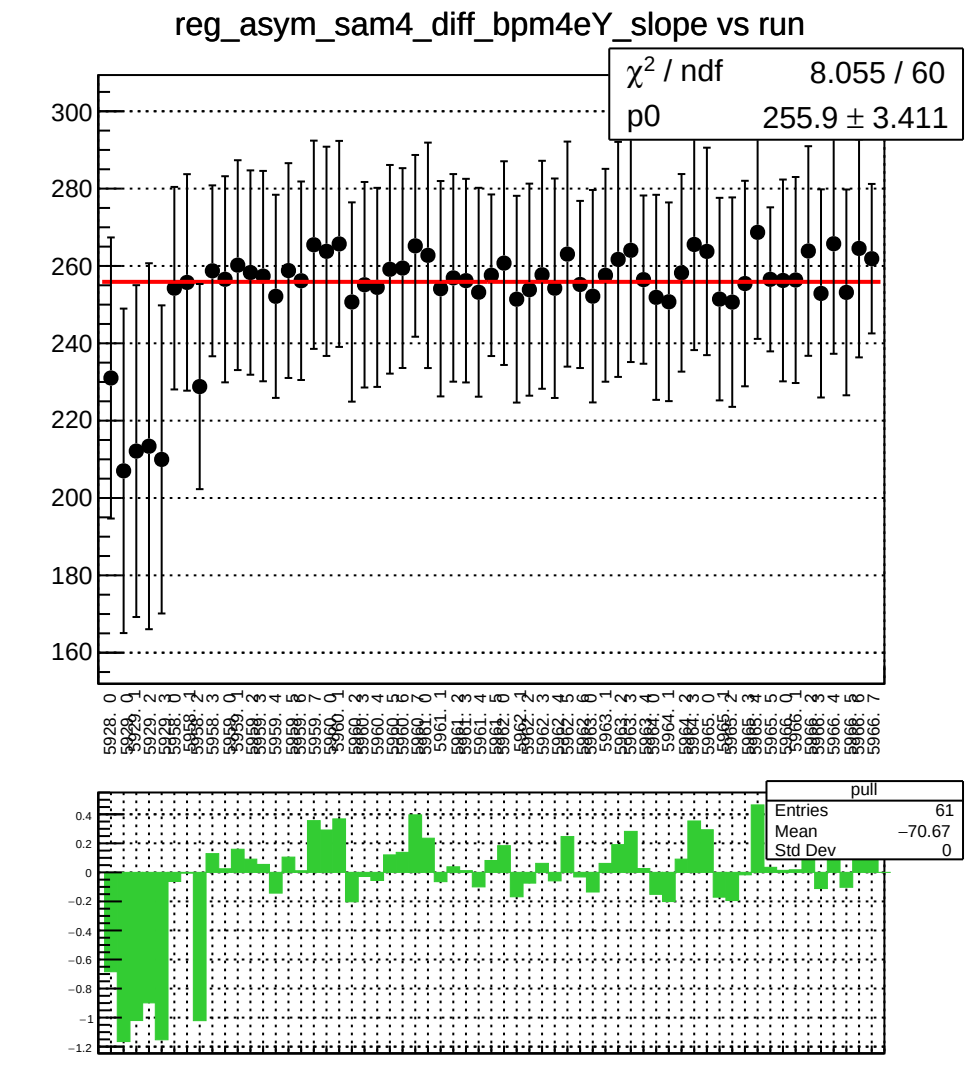

pull1D
Entries 61
Mean −0.00674
Std Dev 0.2577

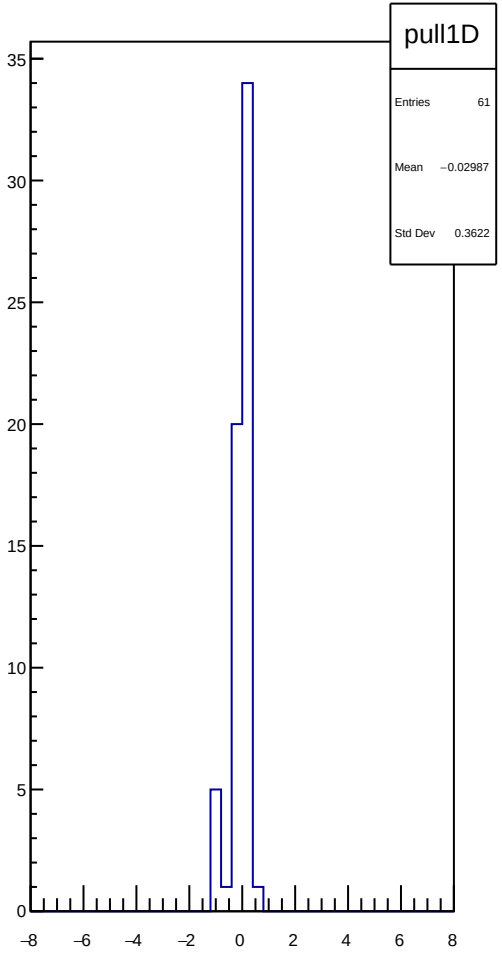

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 8.273 / 60
p0 9.267 ± 2.656
pull
Entries 61
Mean −50.79
Std Dev 0

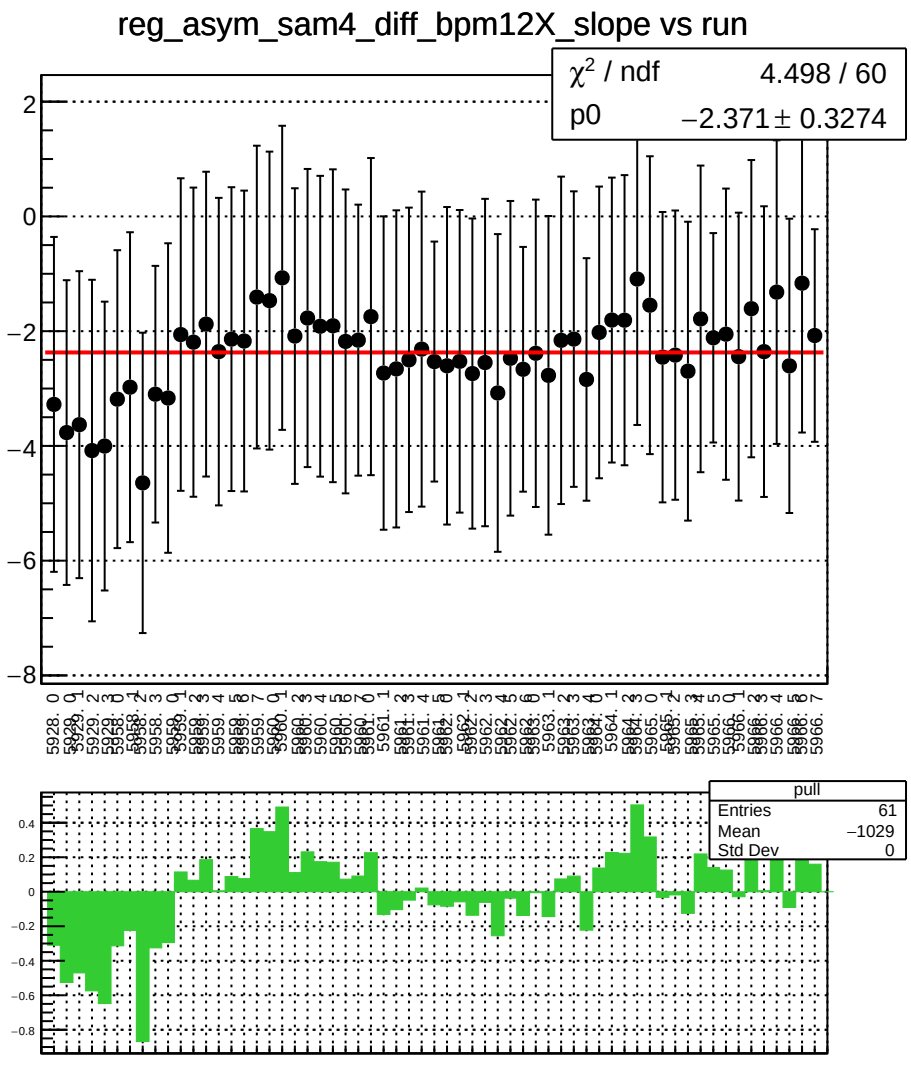

pull1D
Entries 61
Mean 0.03874
Std Dev 0.3662

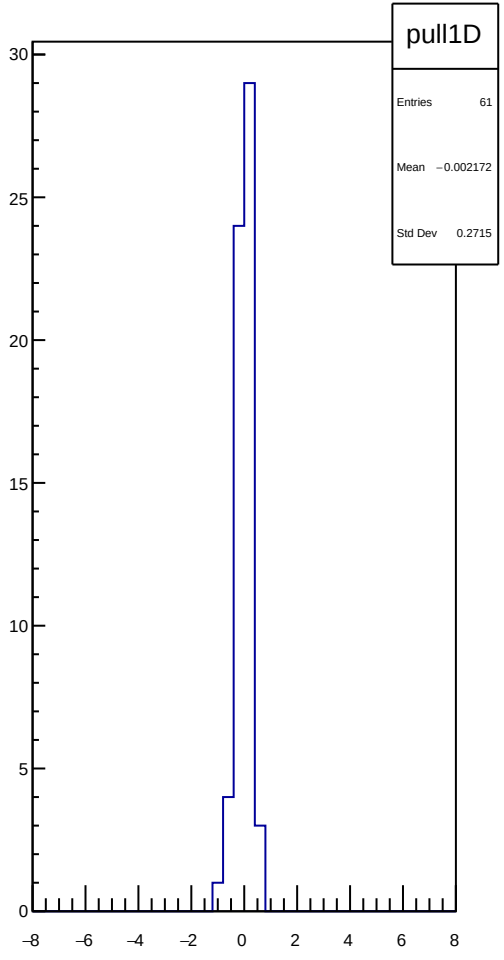

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 4.352 / 60
p0 −189.4 ± 4.113
pull
Entries 61
Mean −1268
Std Dev 0

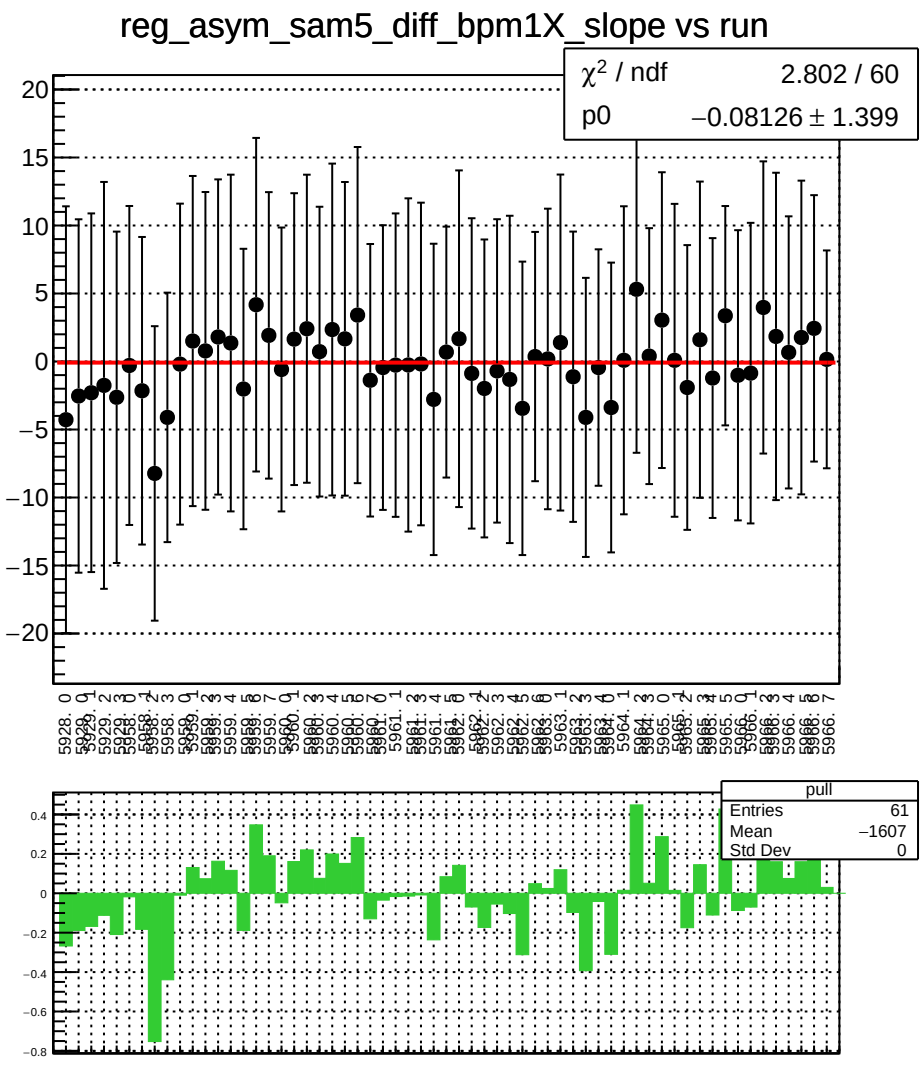

pull1D
Entries 61
Mean 0.002123
Std Dev 0.2671

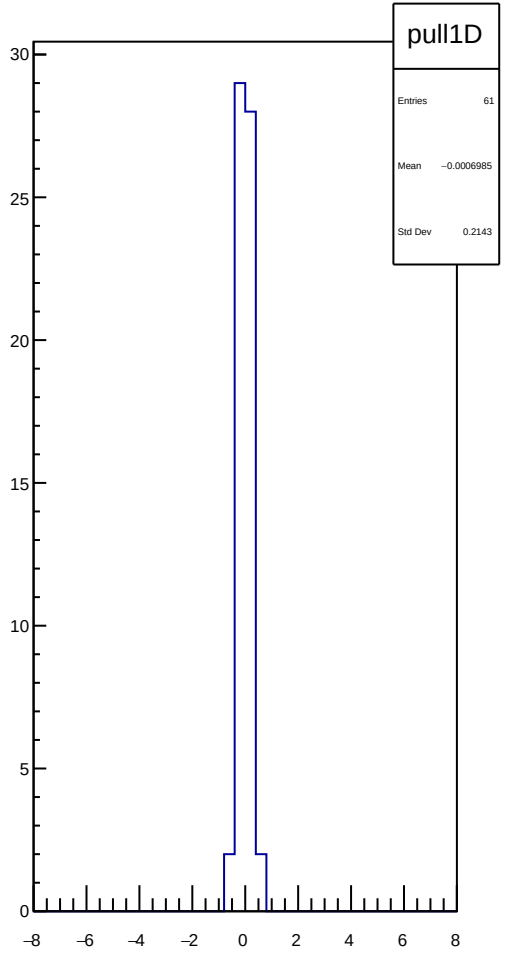

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 8.055 / 60
p0 255.9 ± 3.411
pull
Entries 61
Mean −70.67
Std Dev 0

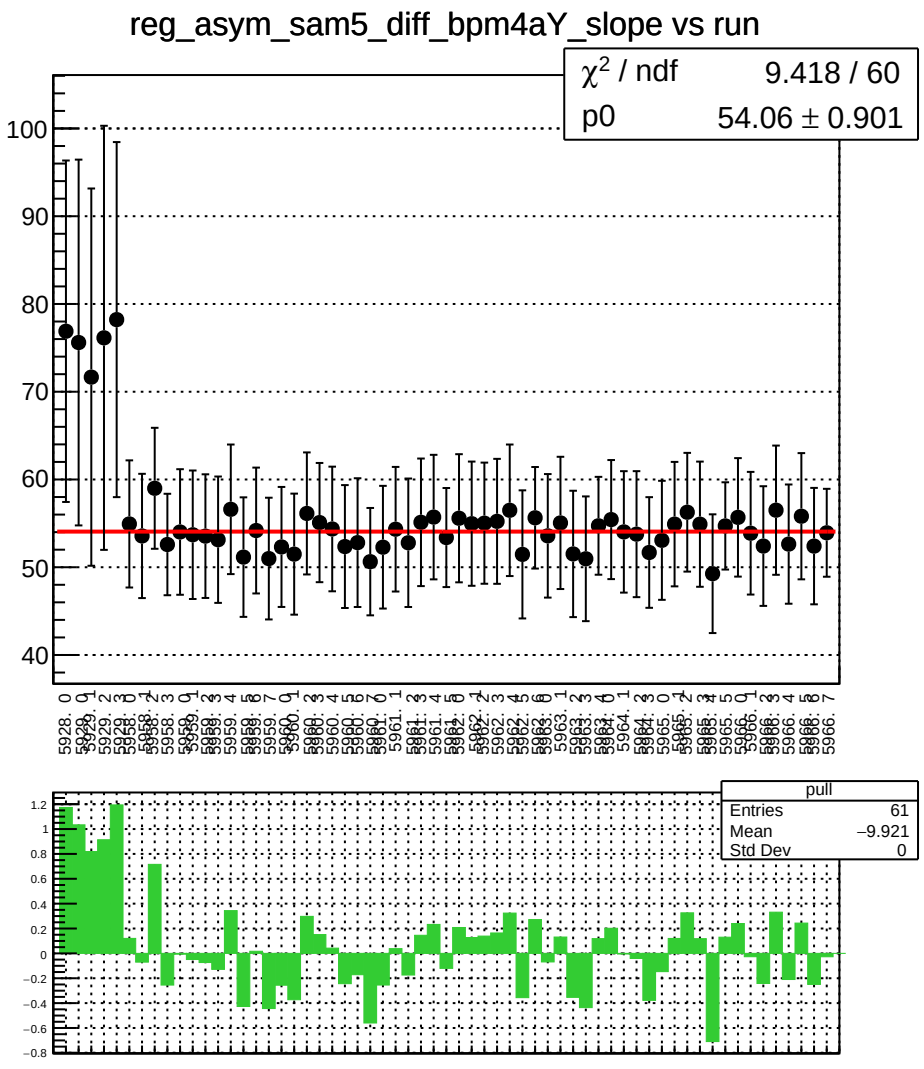

pull1D
Entries 61
Mean −0.02987
Std Dev 0.3622

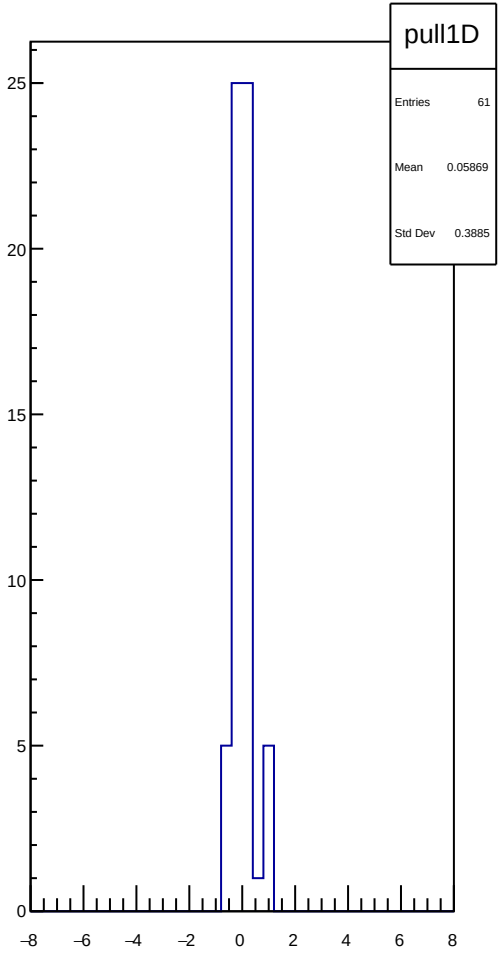

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.498 / 60
p0 −2.371 ± 0.3274
pull
Entries 61
Mean −1029
Std Dev 0

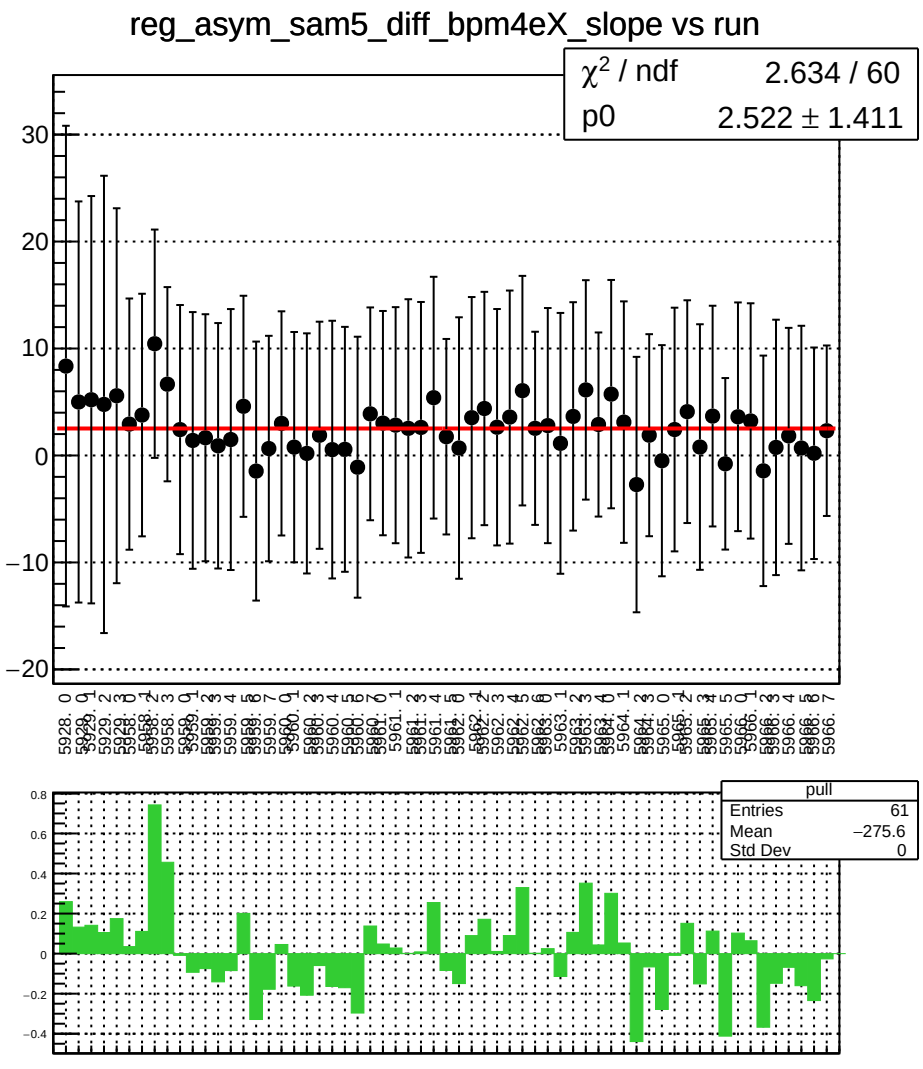

pull1D
Entries 61
Mean −0.002172
Std Dev 0.2715

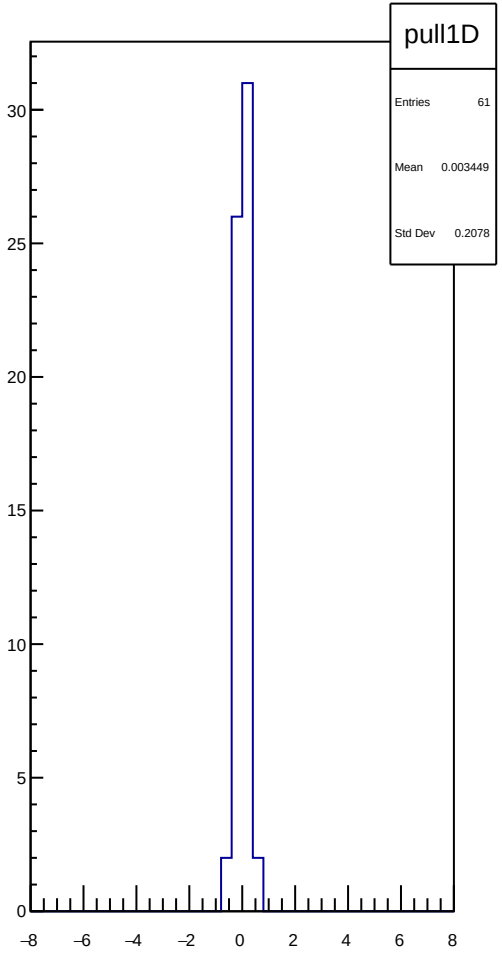

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.802 / 60
p0 −0.08126 ± 1.399
pull
Entries 61
Mean −1607
Std Dev 0

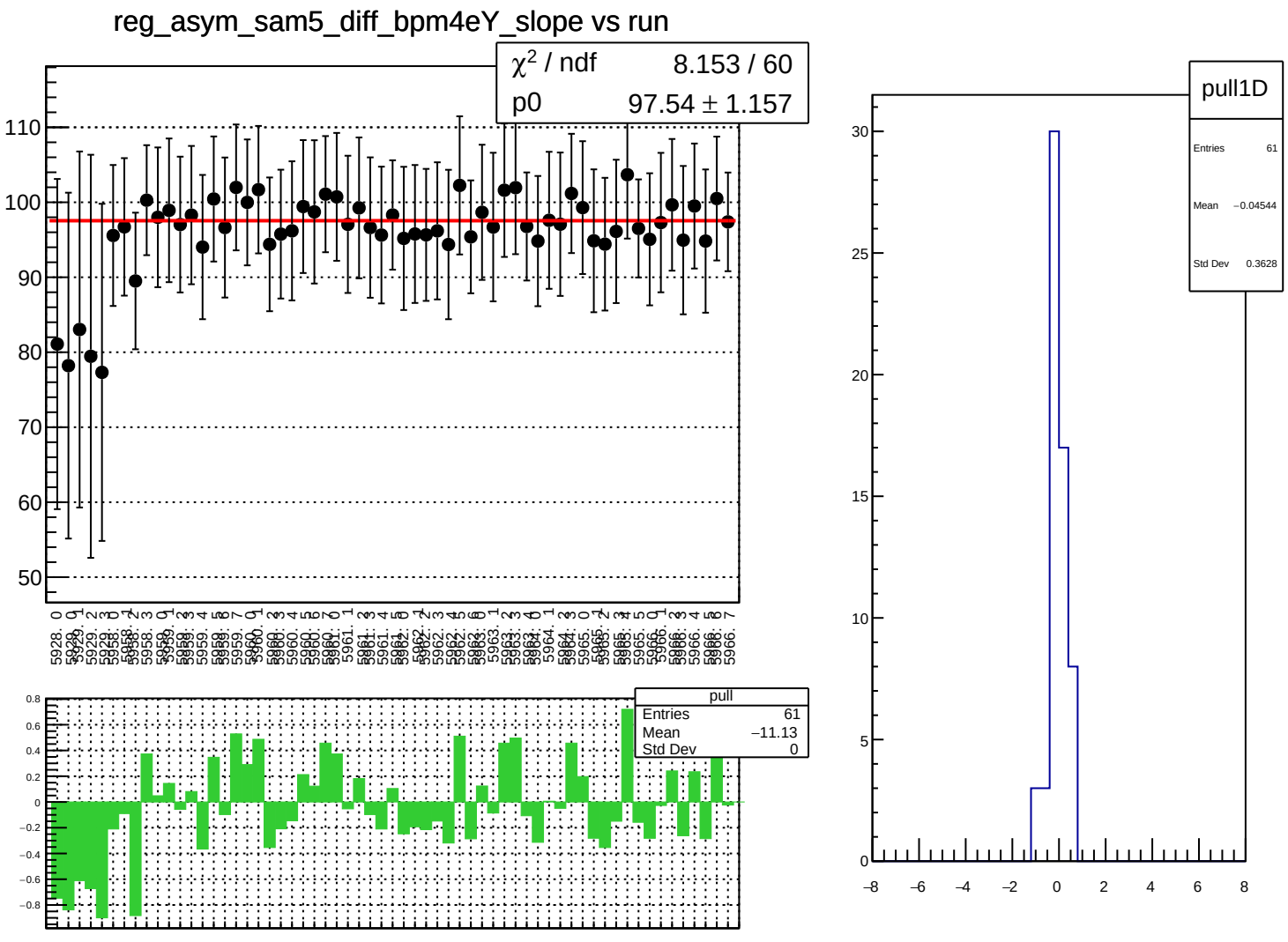

pull1D
Entries 61
Mean −0.0006985
Std Dev 0.2143

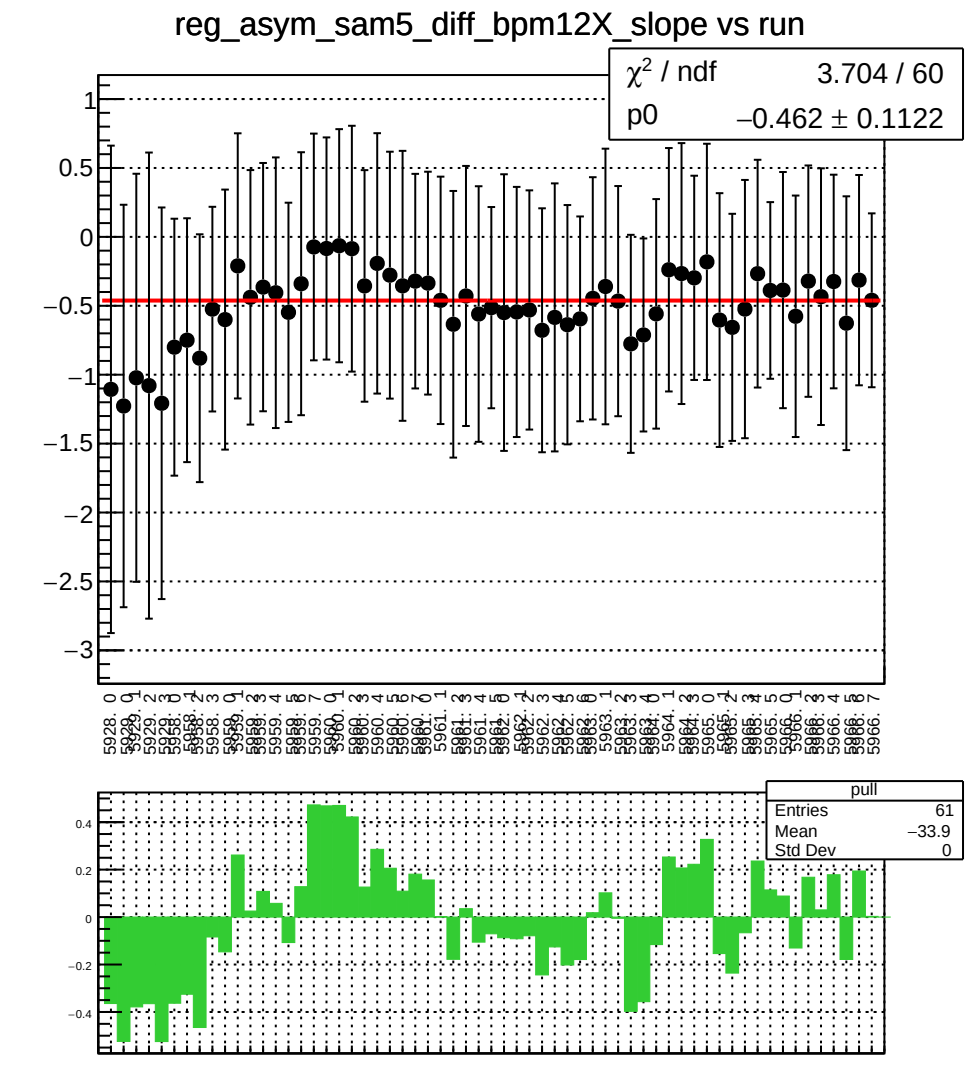

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 9.418 / 60
p0 54.06 ± 0.901
pull
Entries 61
Mean −9.921
Std Dev 0

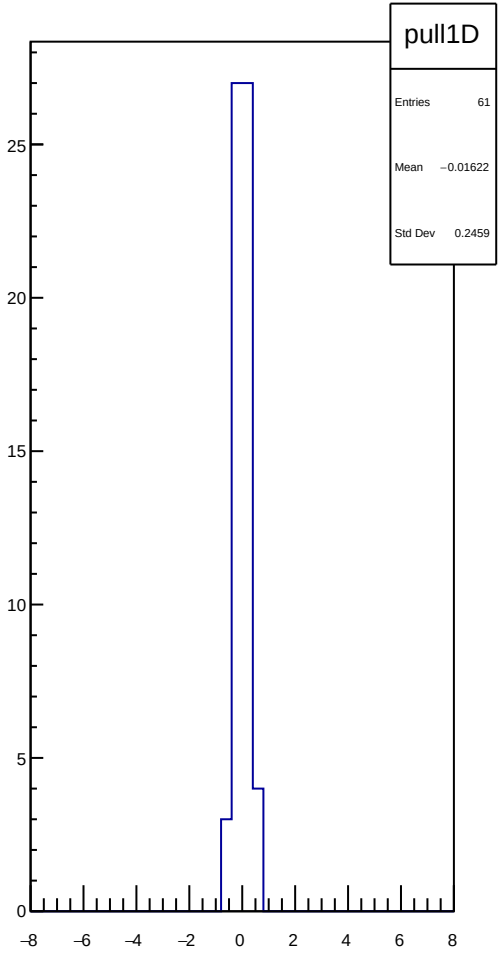

pull1D
Entries 61
Mean 0.05869
Std Dev 0.3885

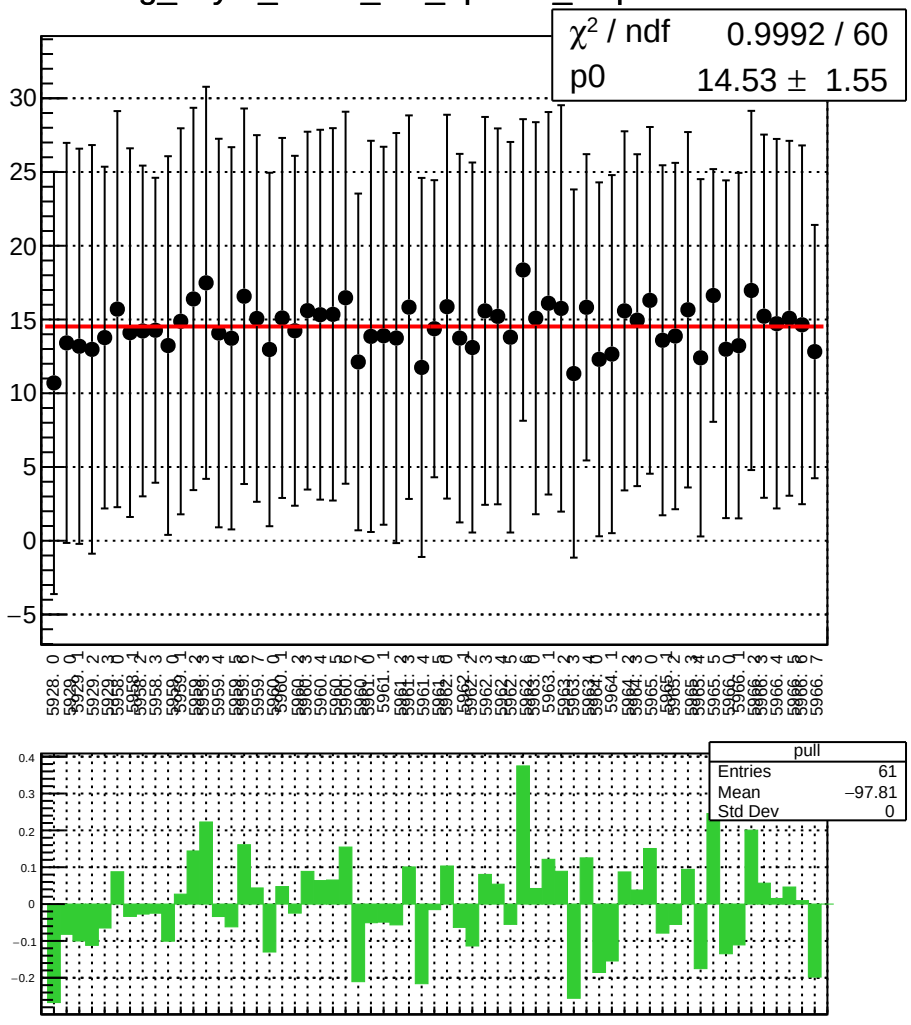

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.634 / 60
p0 2.522 ± 1.411
pull
Entries 61
Mean −275.6
Std Dev 0

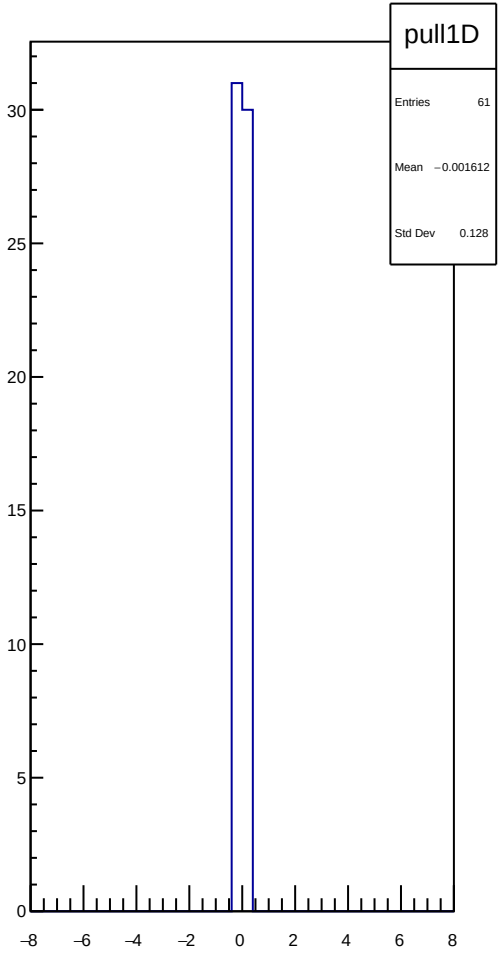

pull1D
Entries 61
Mean 0.003449
Std Dev 0.2078

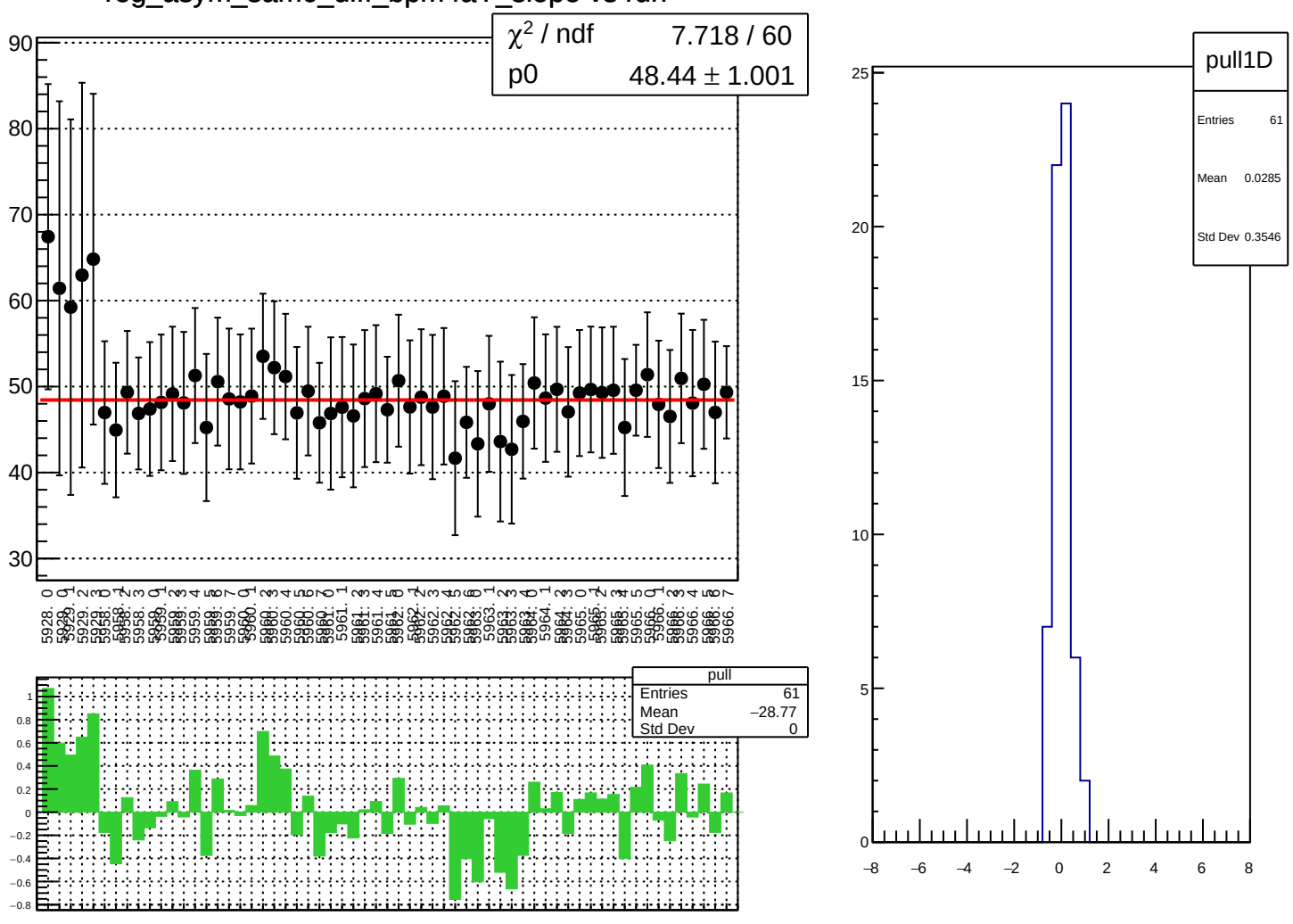

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 8.153 / 60
p0 97.54 ± 1.157
pull
Entries 61
Mean −11.13
Std Dev 0
pull1D
Entries 61
Mean −0.04544
Std Dev 0.3628

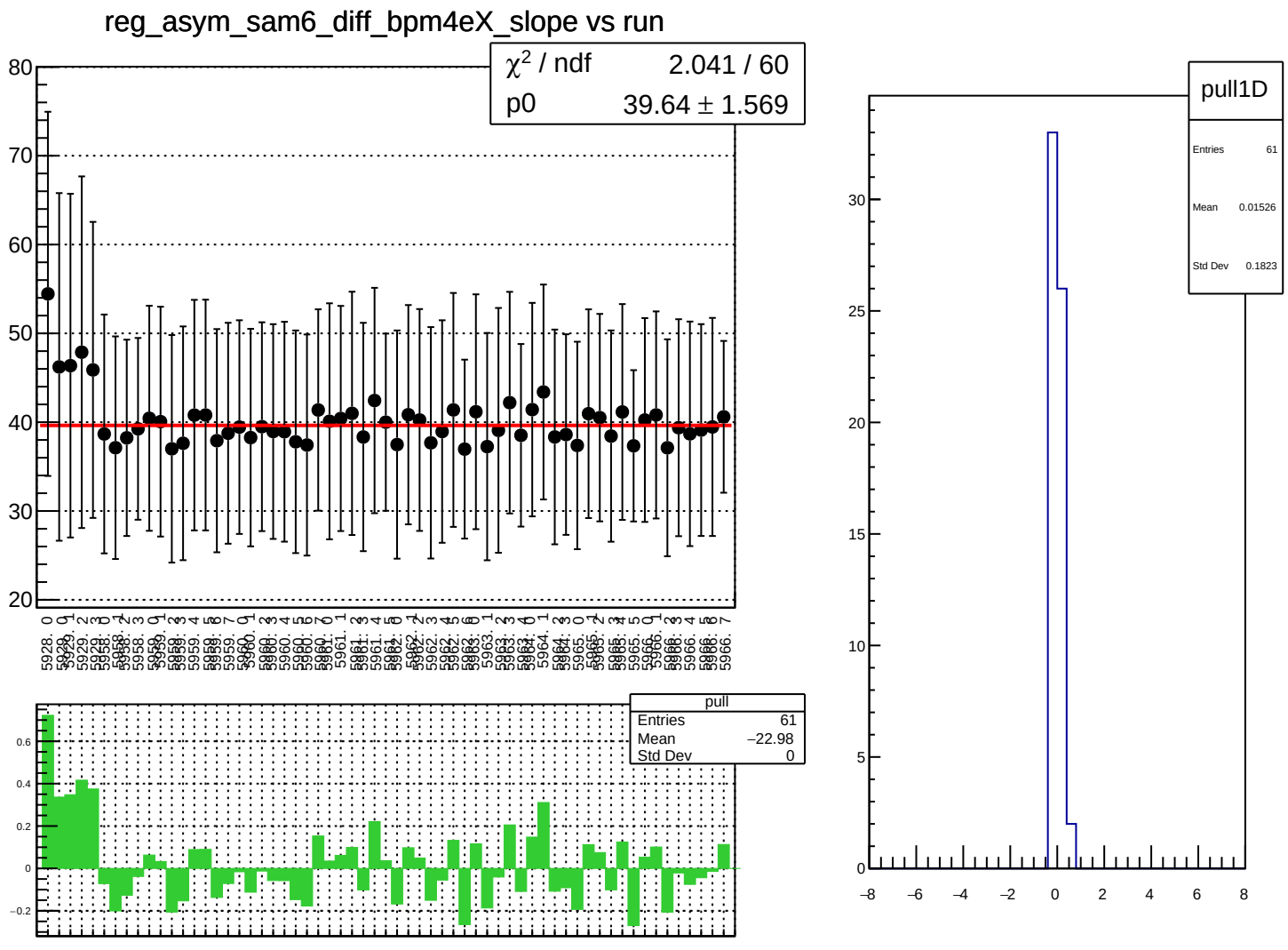

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 3.704 / 60
p0 −0.462 ± 0.1122
pull
Entries 61
Mean −33.9
Std Dev 0

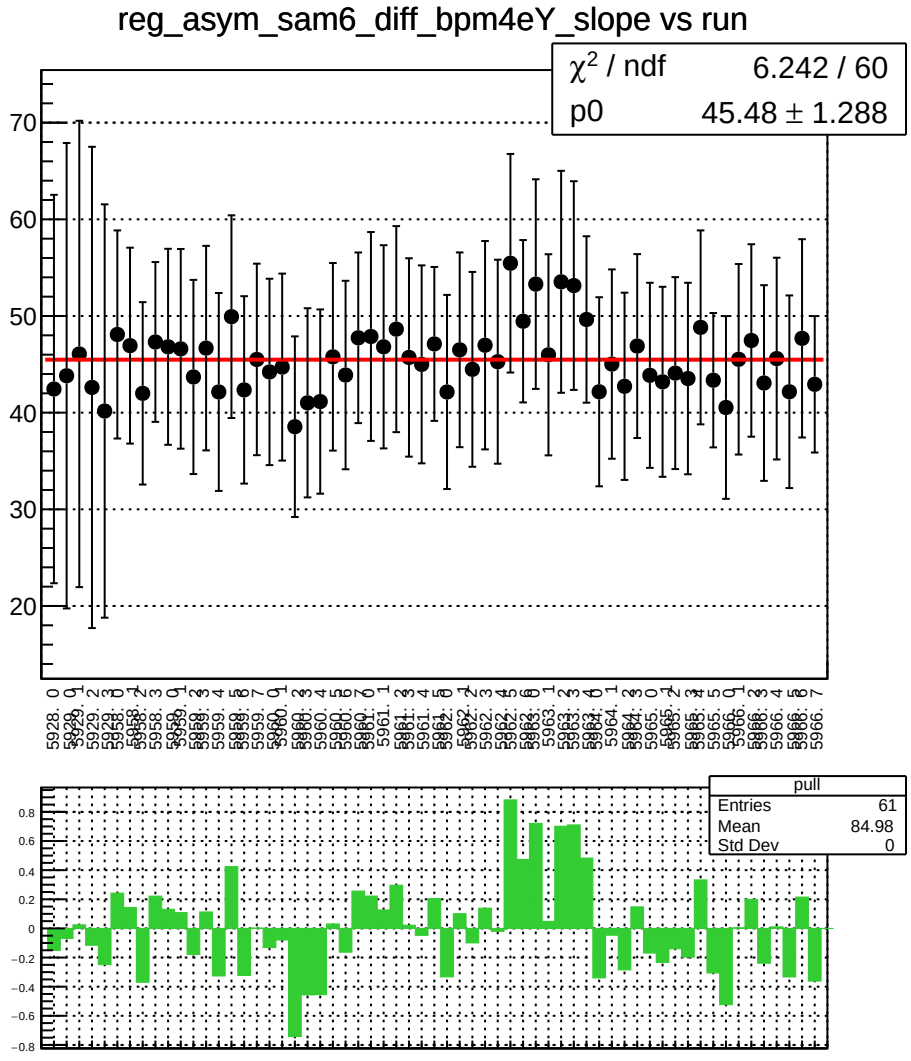

pull1D
Entries 61
Mean −0.01622
Std Dev 0.2459

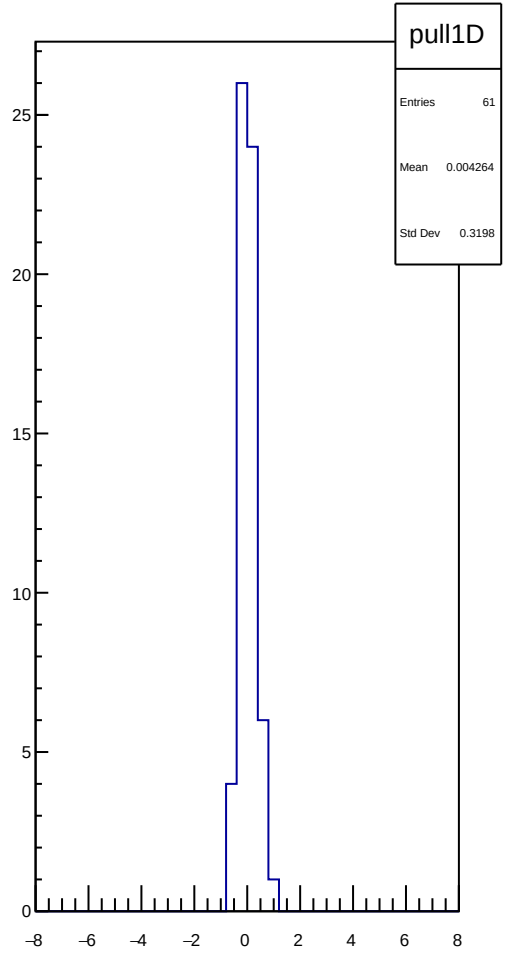

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 0.9992 / 60
p0 14.53 ± 1.55
pull
Entries 61
Mean −97.81
Std Dev 0

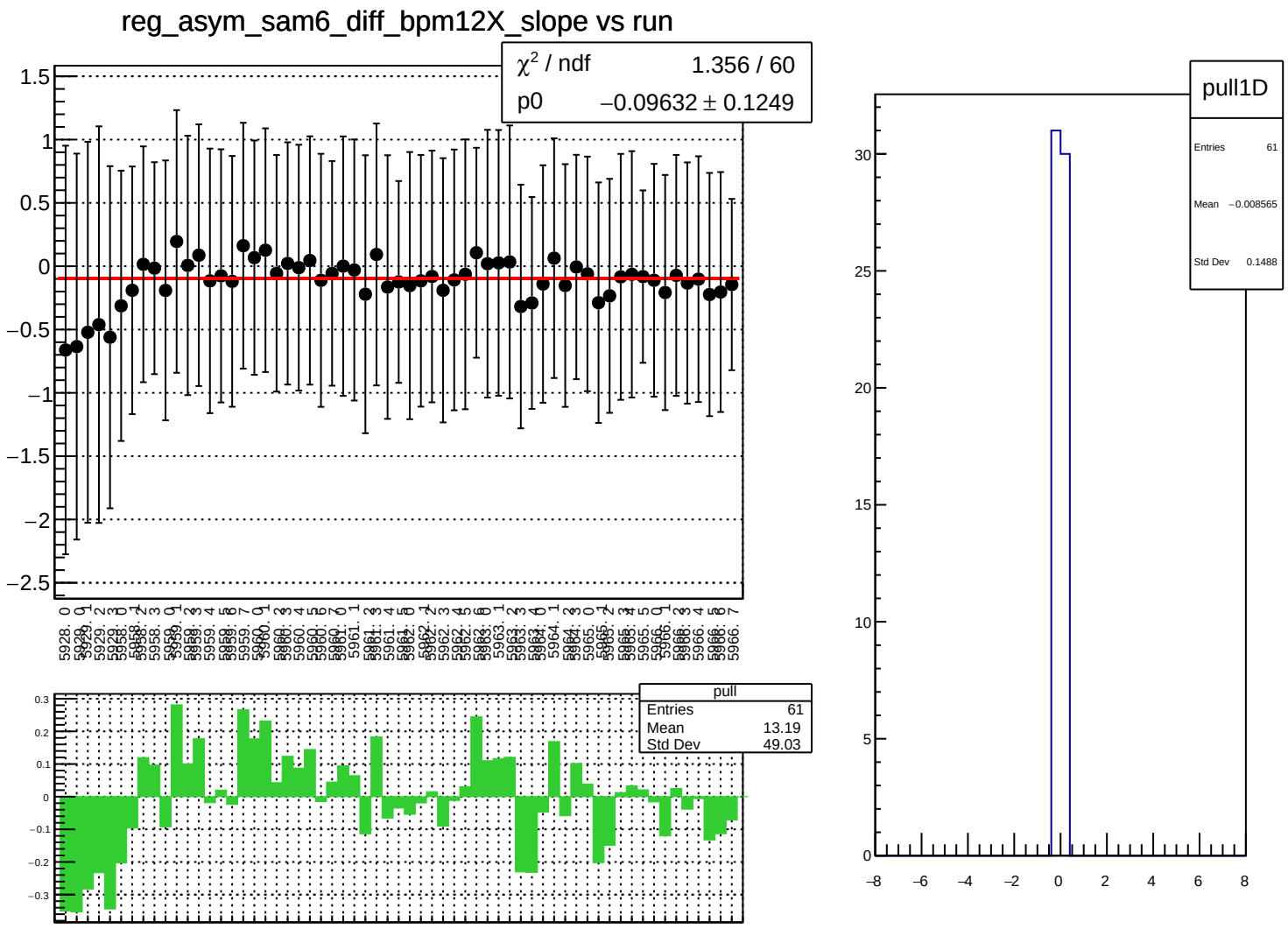

pull1D
Entries 61
Mean −0.001612
Std Dev 0.128

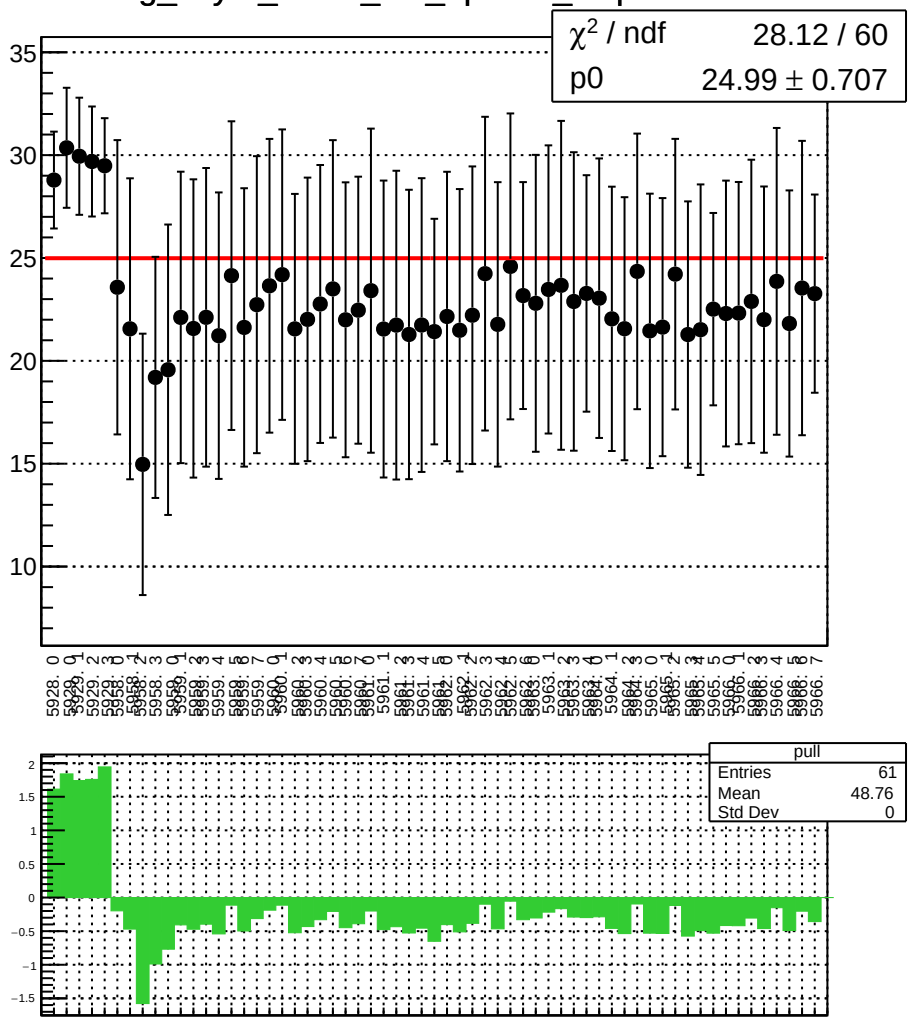

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 7.718 / 60
p0 48.44 ± 1.001
pull
Entries 61
Mean −28.77
Std Dev 0
pull1D
Entries 61
Mean 0.0285
Std Dev 0.3546

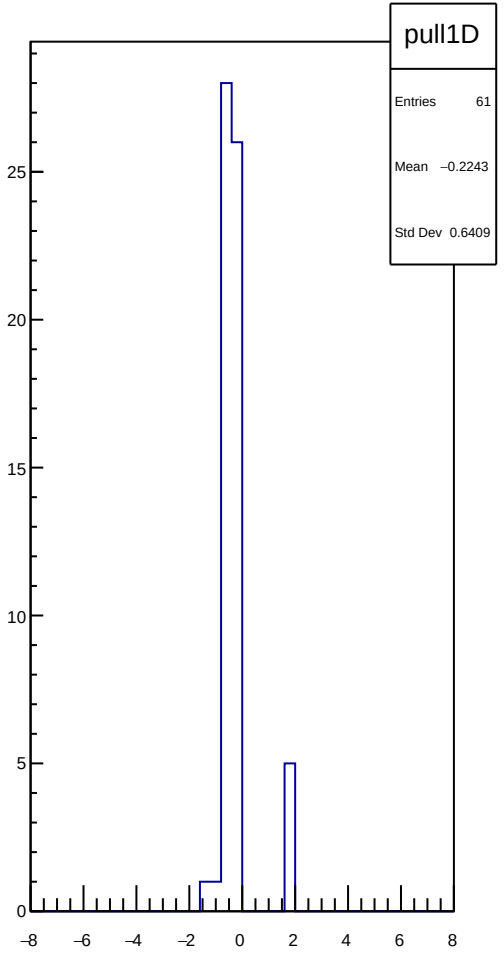

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.041 / 60
p0 39.64 ± 1.569
pull
Entries 61
Mean −22.98
Std Dev 0
pull1D
Entries 61
Mean 0.01526
Std Dev 0.1823

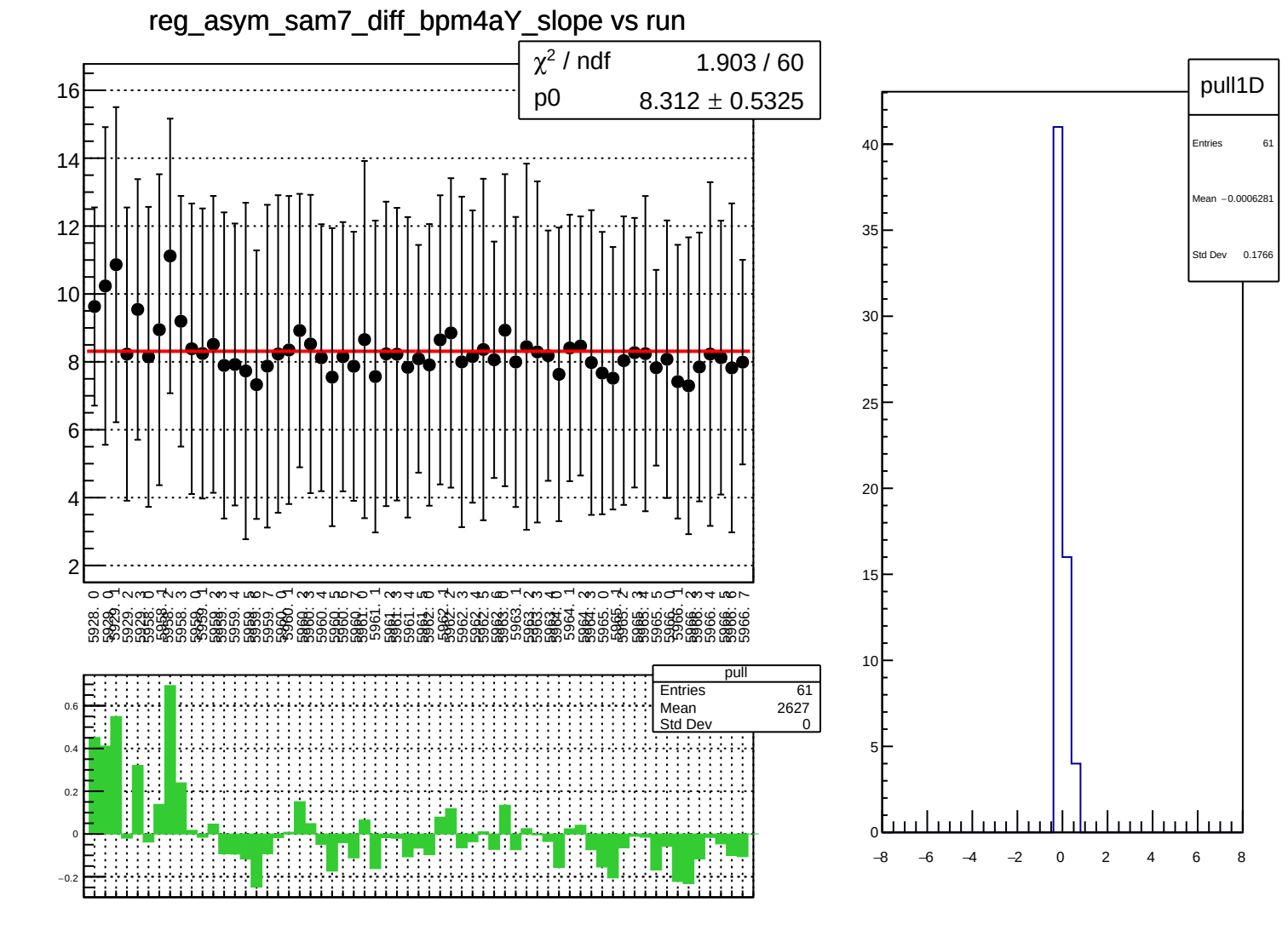

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 6.242 / 60
p0 45.48 ± 1.288
pull
Entries 61
Mean 84.98
Std Dev 0

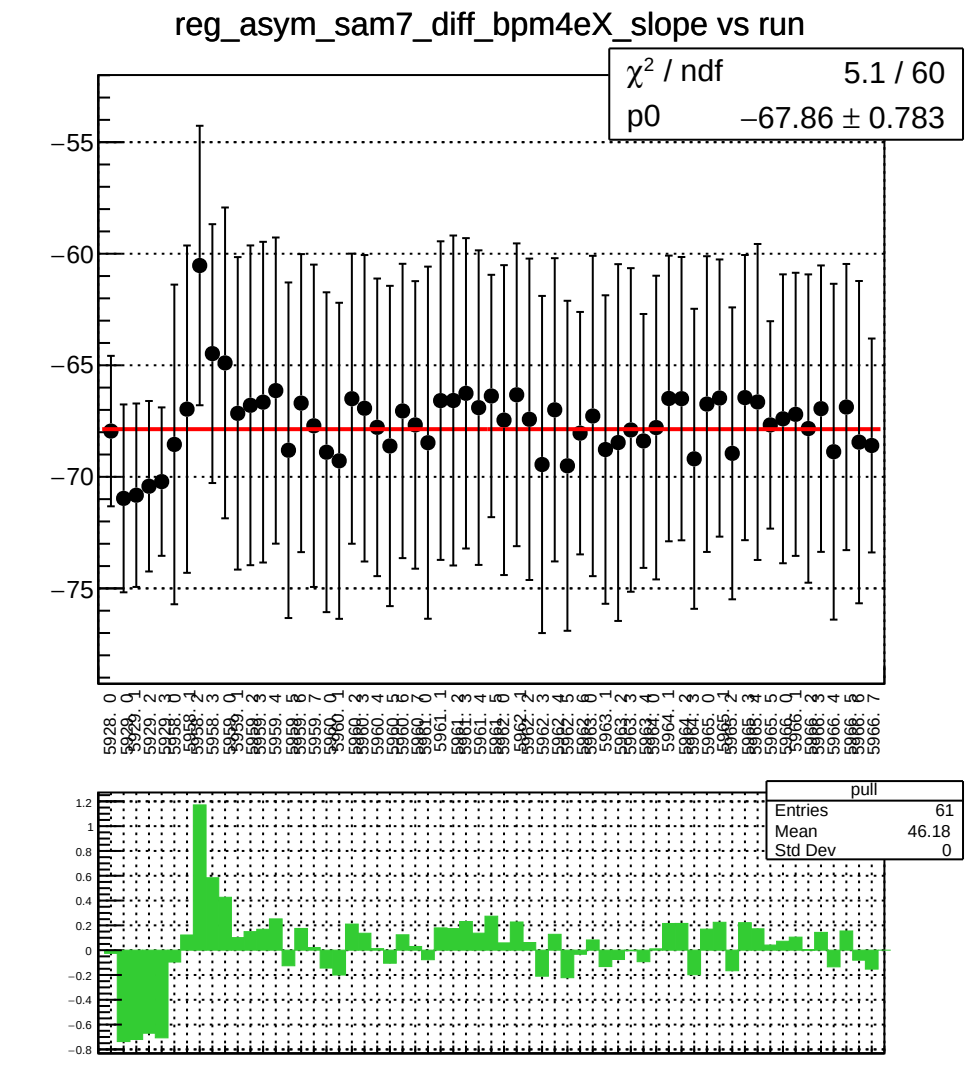

pull1D
Entries 61
Mean 0.004264
Std Dev 0.3198

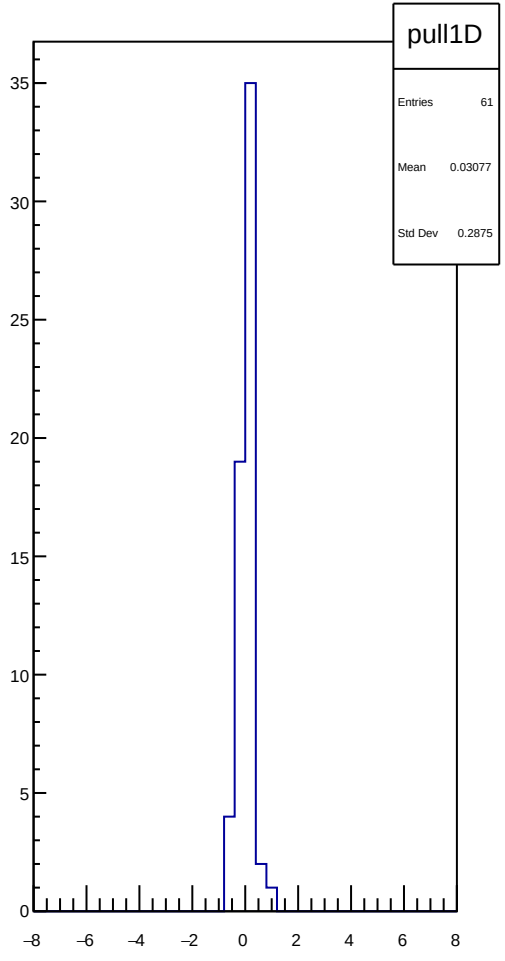

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.356 / 60
p0 −0.09632 ± 0.1249
pull
Entries 61
Mean 13.19
Std Dev 49.03
pull1D
Entries 61
Mean −0.008565
Std Dev 0.1488

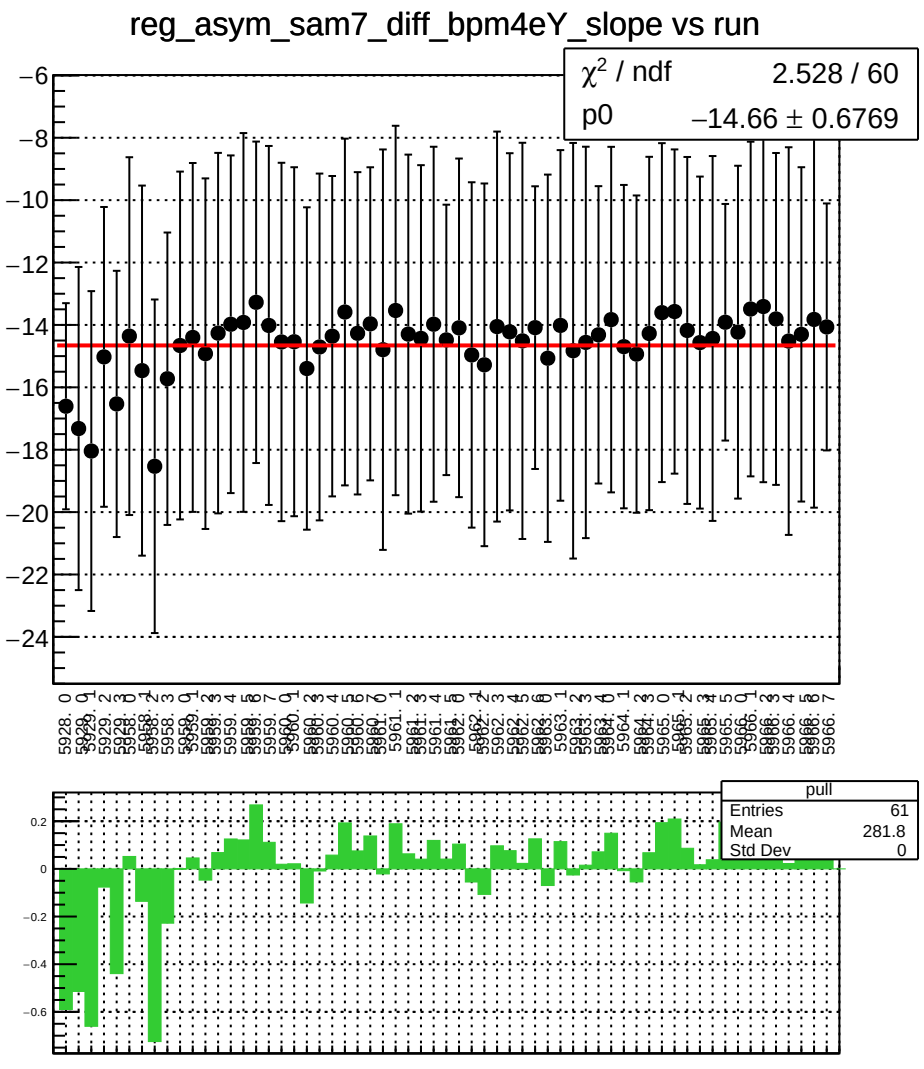

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 28.12 / 60
p0 24.99 ± 0.707
pull
Entries 61
Mean 48.76
Std Dev 0

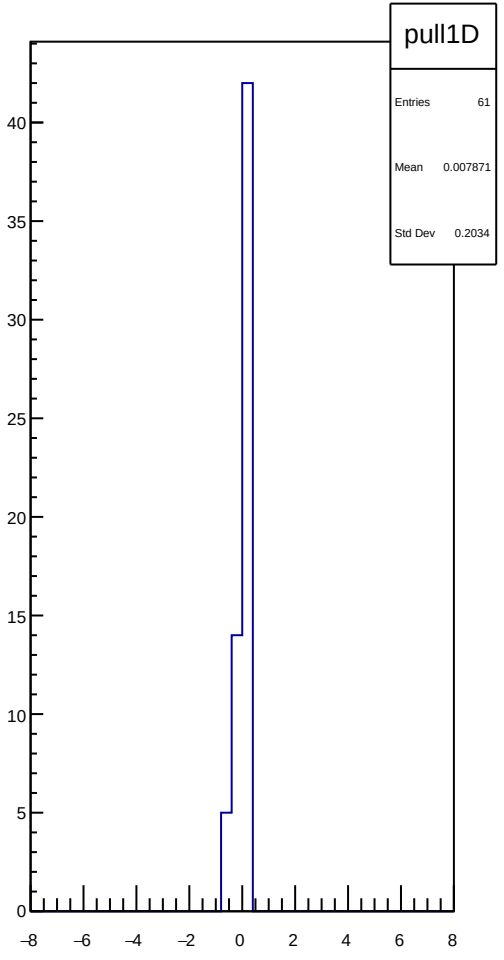

pull1D
Entries 61
Mean −0.2243
Std Dev 0.6409

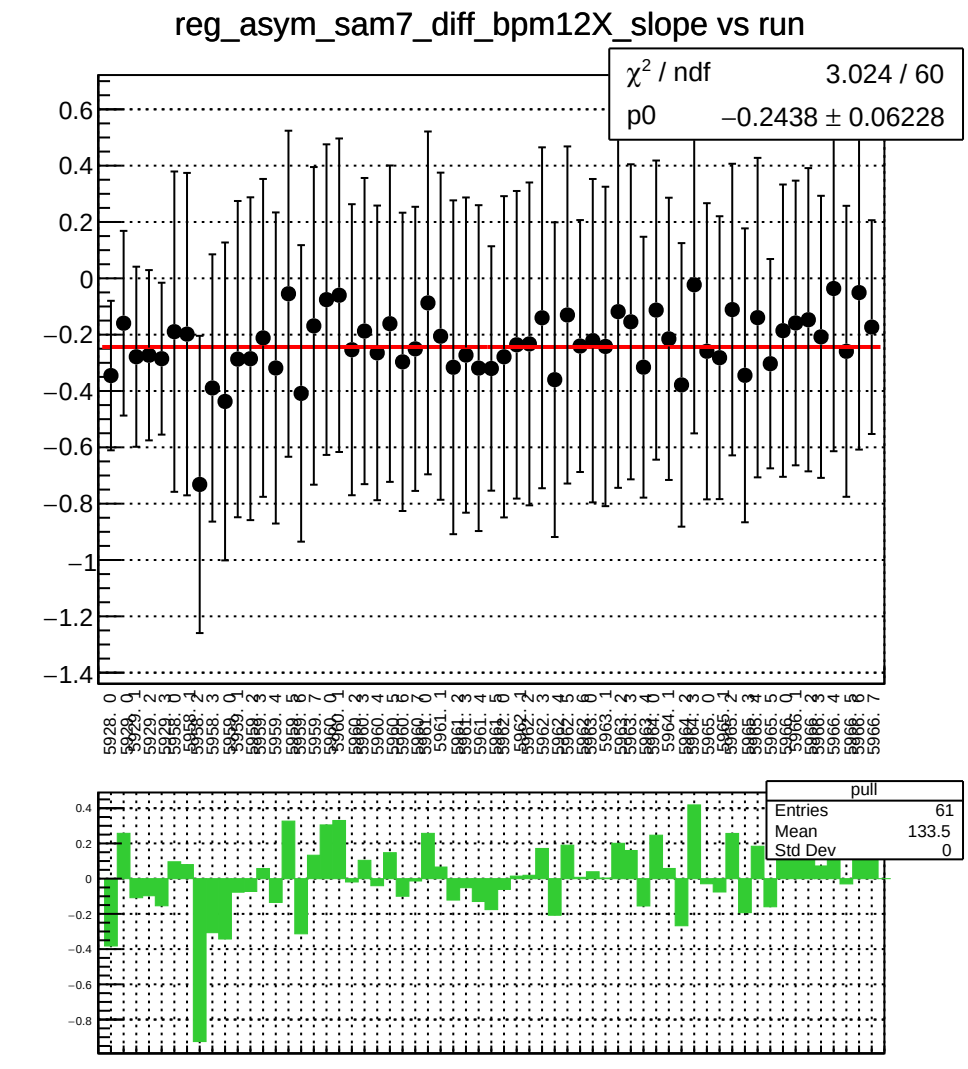

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.903 / 60
p0 8.312 ± 0.5325
pull
Entries 61
Mean 2627
Std Dev 0
pull1D
Entries 61
Mean −0.0006281
Std Dev 0.1766

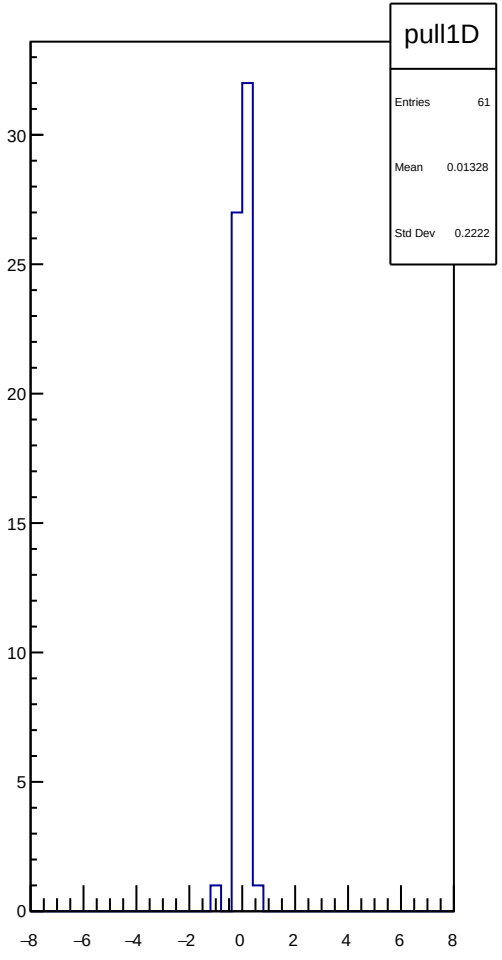

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 5.1 / 60
p0 −67.86 ± 0.783
pull
Entries 61
Mean 46.18
Std Dev 0

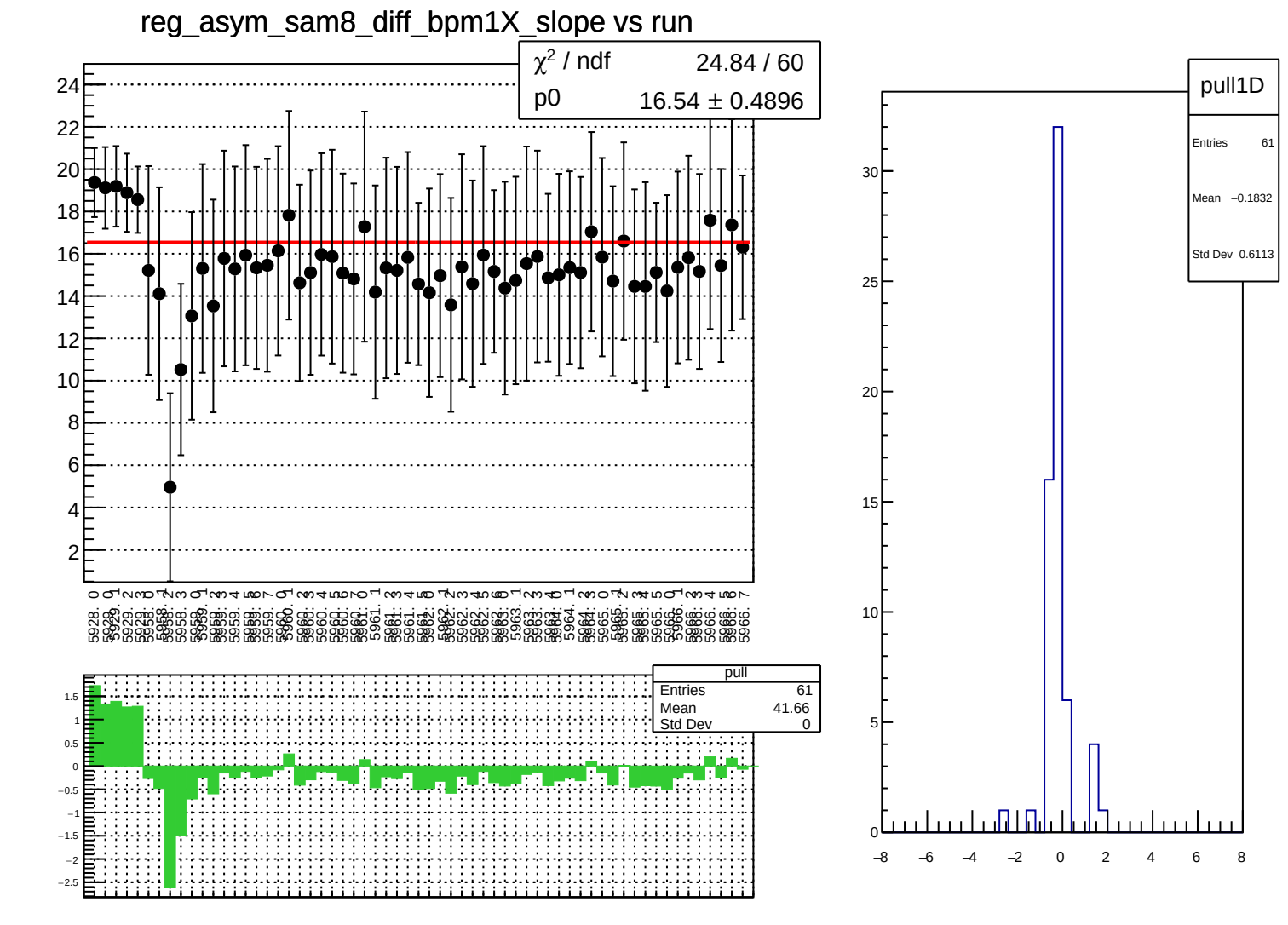

pull1D
Entries 61
Mean 0.03077
Std Dev 0.2875

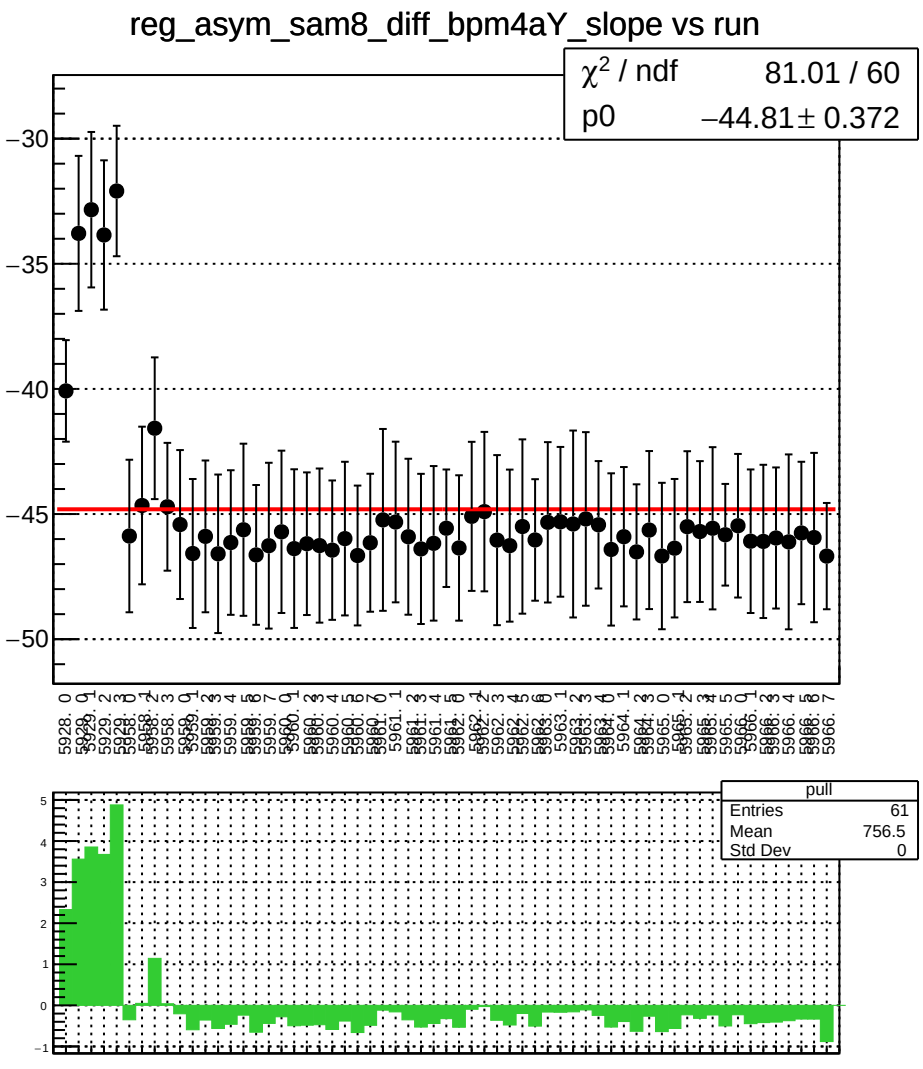

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 2.528 / 60
p0 −14.66 ± 0.6769
pull
Entries 61
Mean 281.8
Std Dev 0

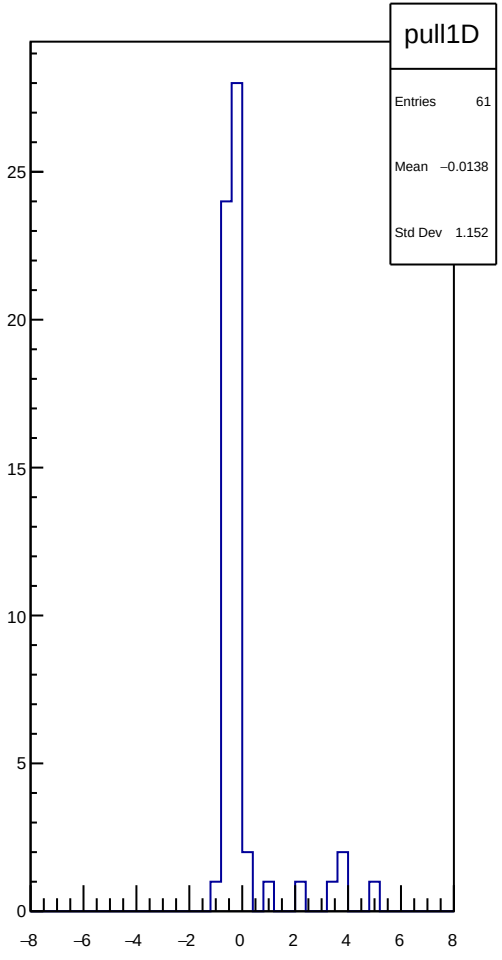

pull1D
Entries 61
Mean 0.007871
Std Dev 0.2034

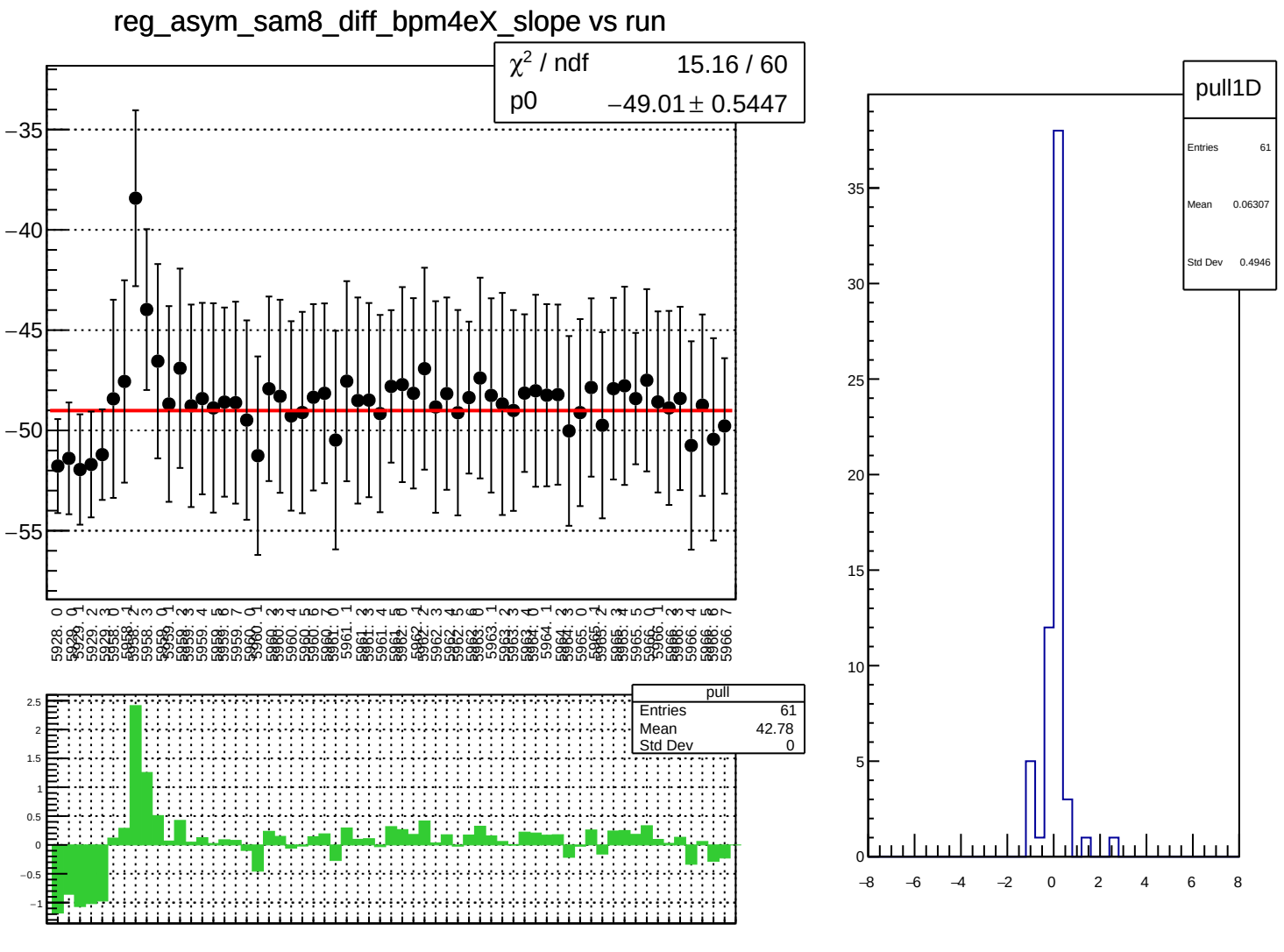

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 3.024 / 60
p0 −0.2438 ± 0.06228
pull
Entries 61
Mean 133.5
Std Dev 0

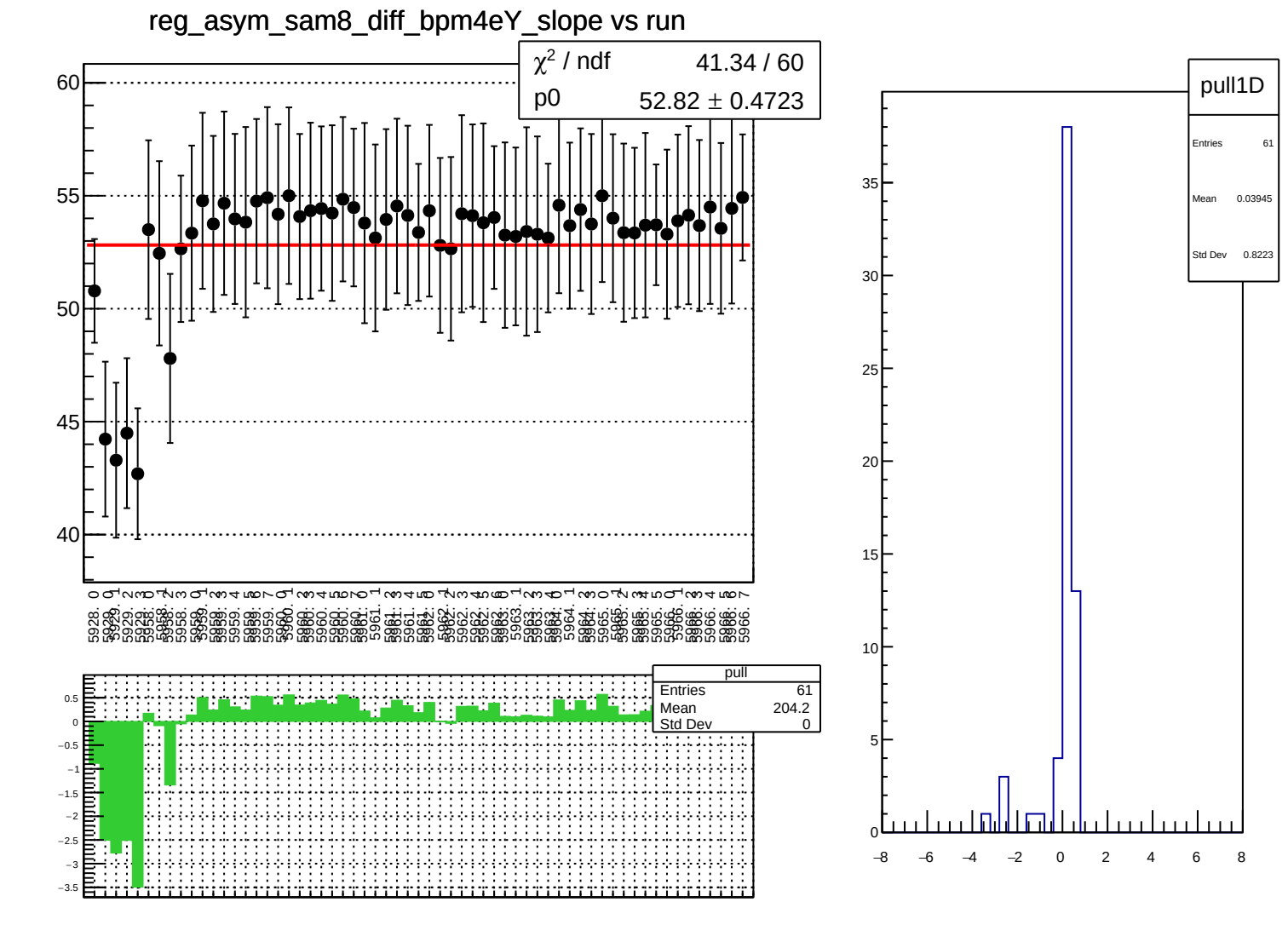

pull1D
Entries 61
Mean 0.01328
Std Dev 0.2222

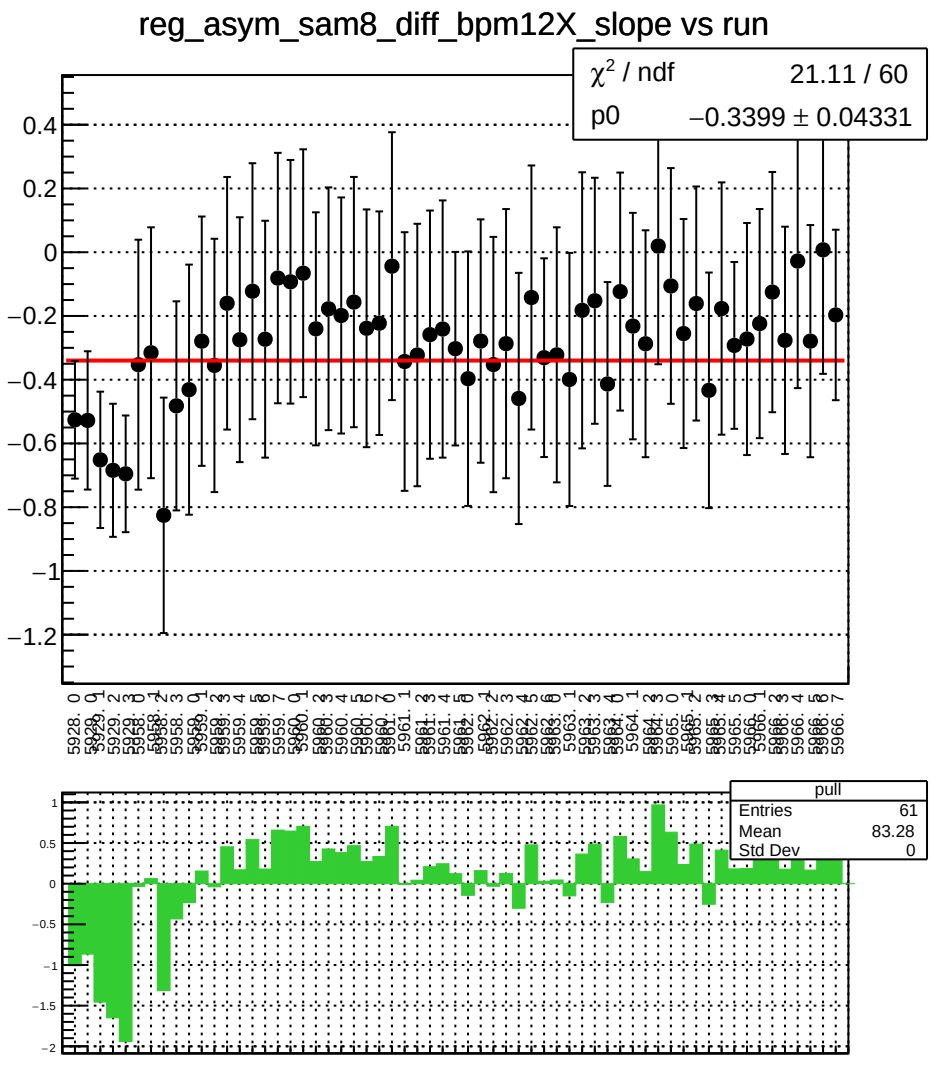

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 24.84 / 60
p0 16.54 ± 0.4896
pull
Entries 61
Mean 41.66
Std Dev 0
pull1D
Entries 61
Mean −0.1832
Std Dev 0.6113

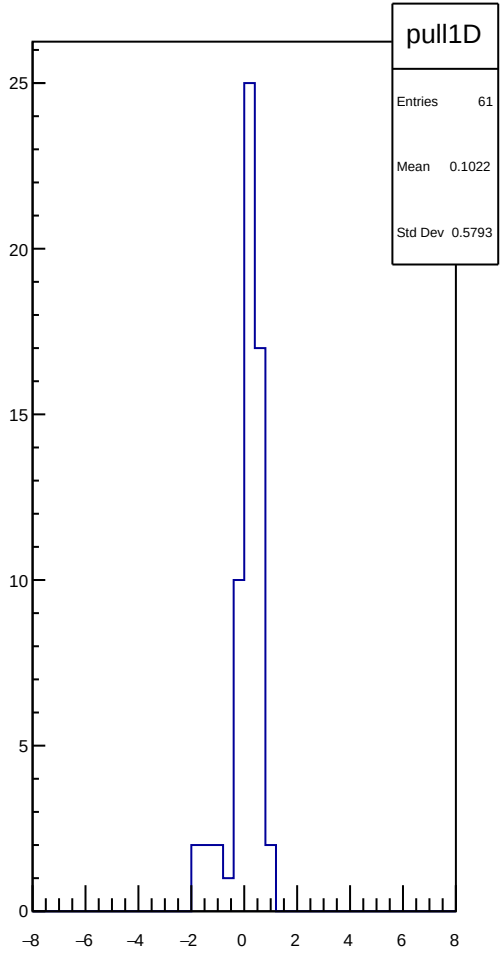

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 81.01 / 60
p0 −44.81 ± 0.372
pull
Entries 61
Mean 756.5
Std Dev 0

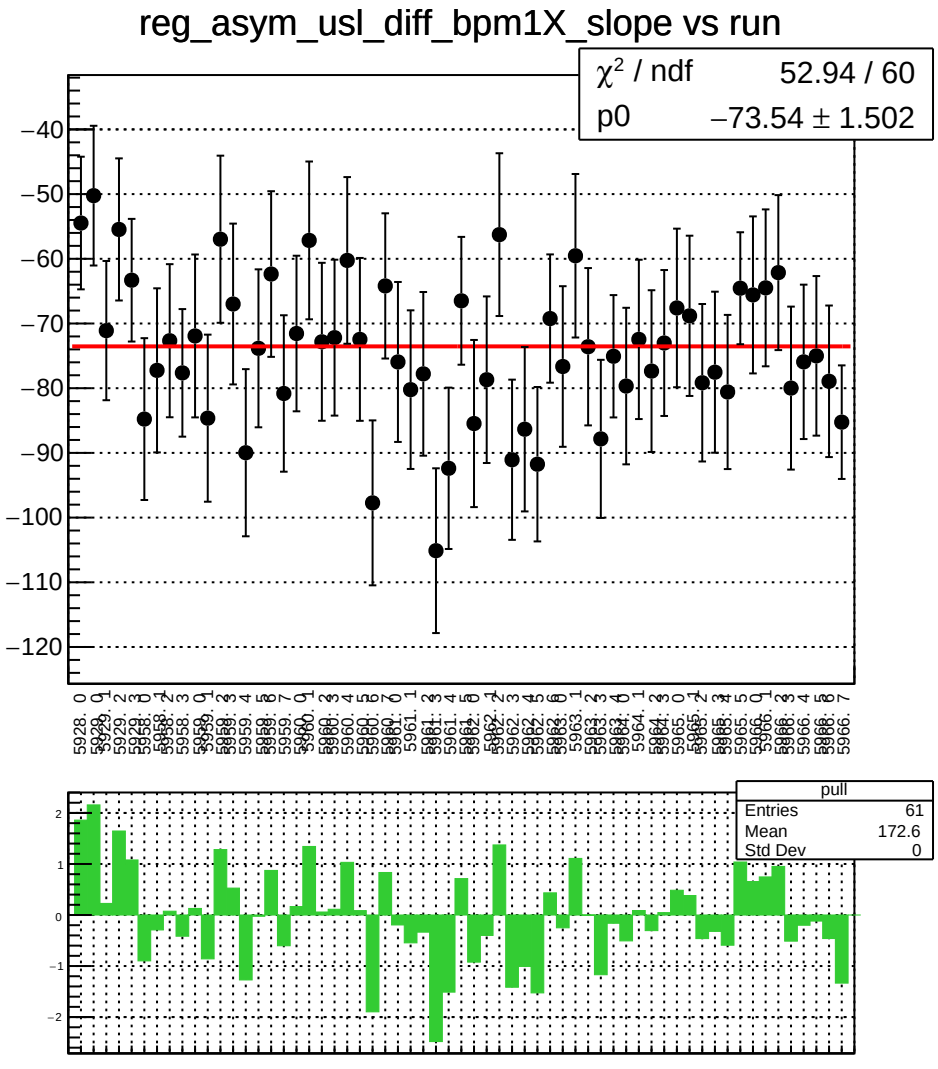

pull1D
Entries 61
Mean −0.0138
Std Dev 1.152

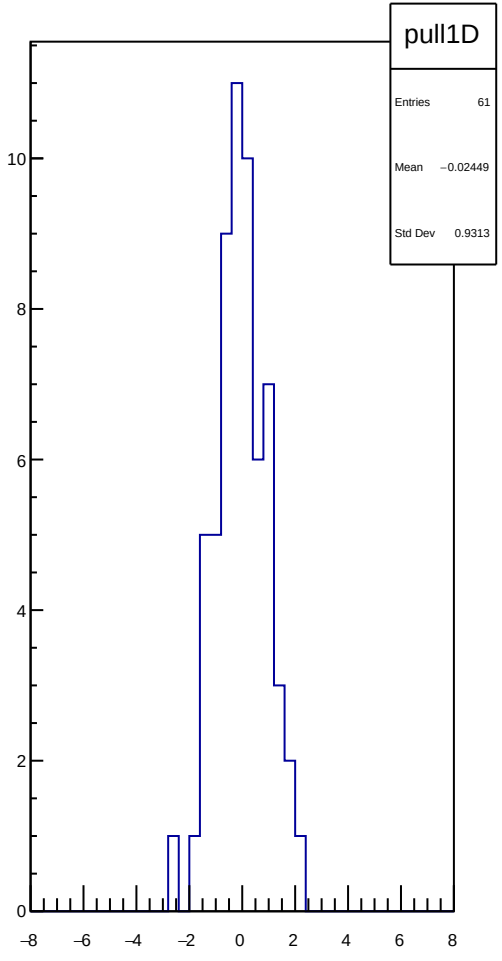

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 15.16 / 60
p0 −49.01 ± 0.5447
pull
Entries 61
Mean 42.78
Std Dev 0
pull1D
Entries 61
Mean 0.06307
Std Dev 0.4946

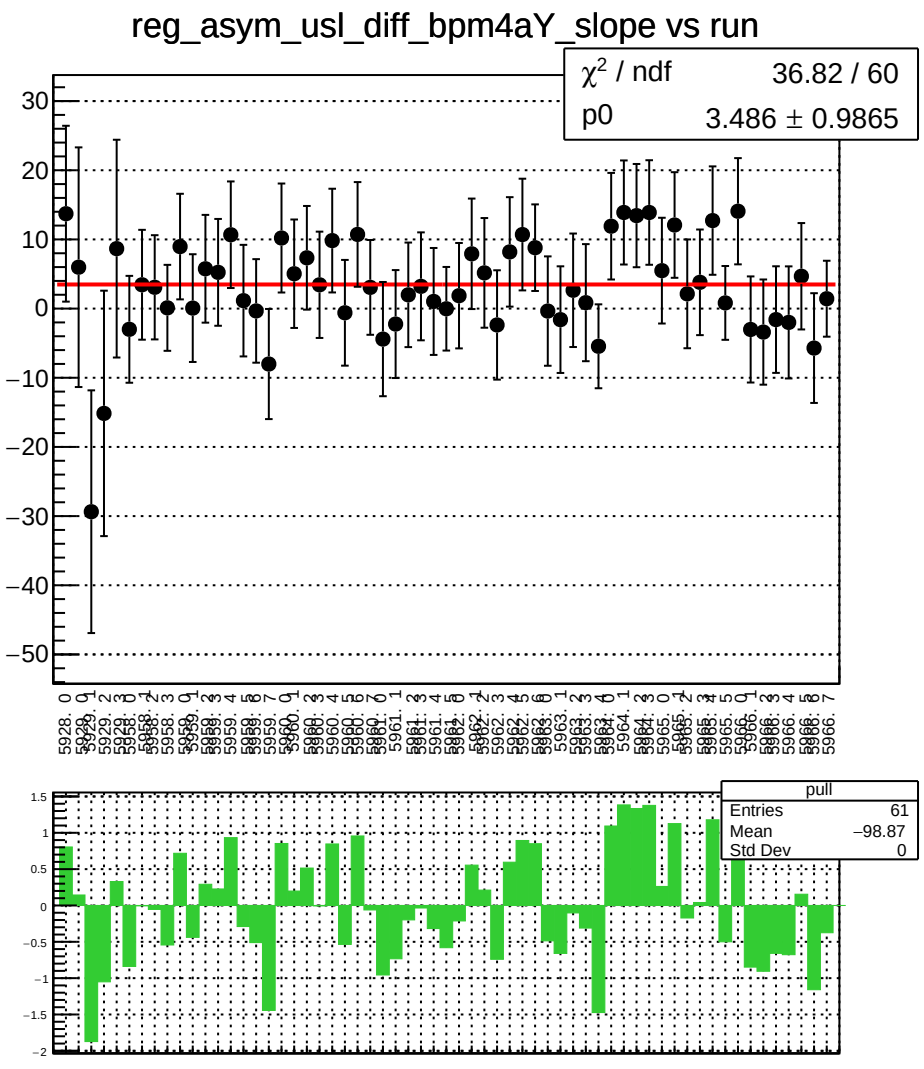

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 41.34 / 60
p0 52.82 ± 0.4723
pull
Entries 61
Mean 204.2
Std Dev 0
pull1D
Entries 61
Mean 0.03945
Std Dev 0.8223

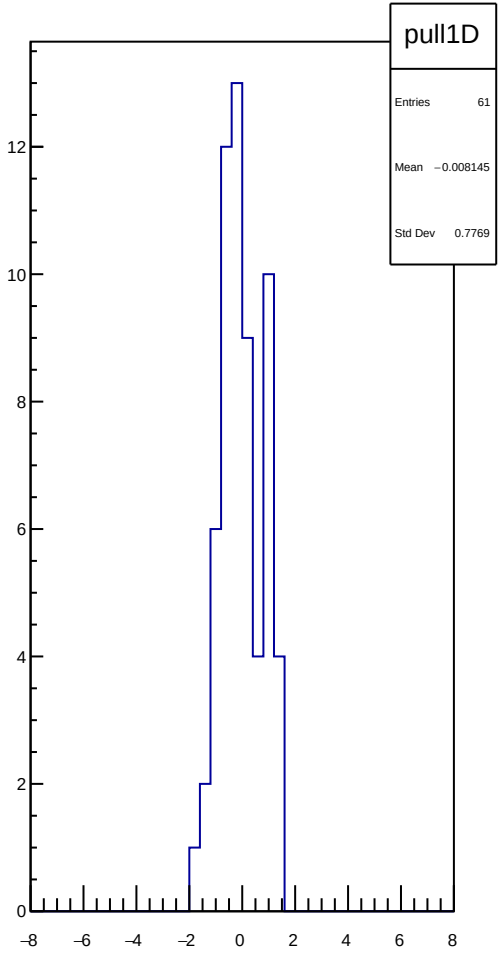

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 21.11 / 60
p0 −0.3399 ± 0.04331
pull
Entries 61
Mean 83.28
Std Dev 0

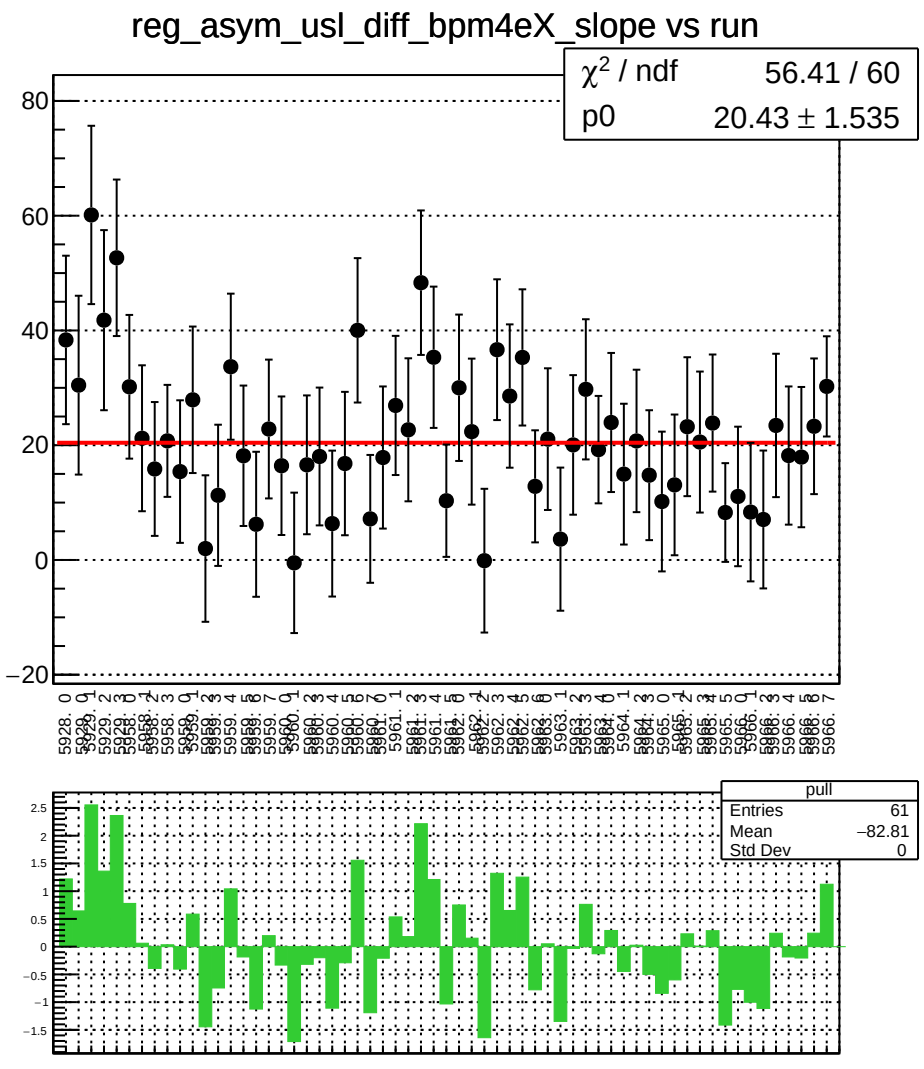

pull1D
Entries 61
Mean 0.1022
Std Dev 0.5793

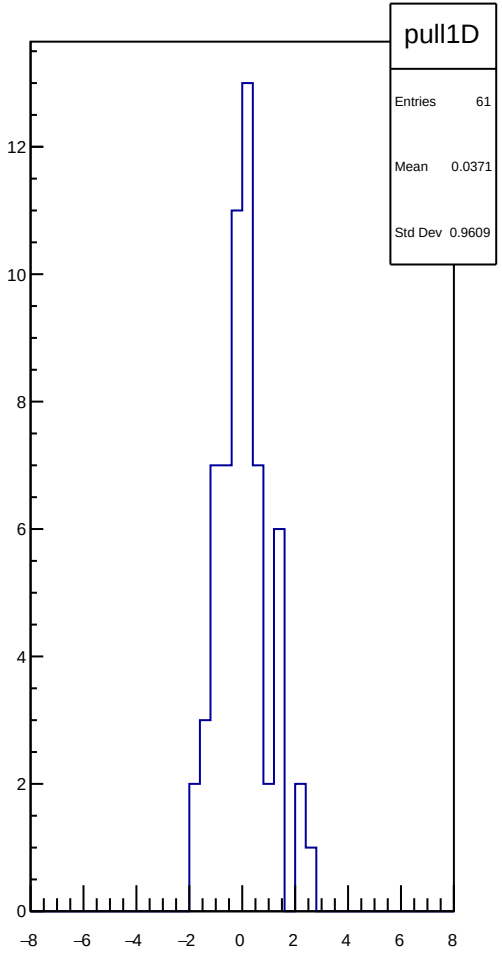

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 52.94 / 60
p0 −73.54 ± 1.502
pull
Entries 61
Mean 172.6
Std Dev 0

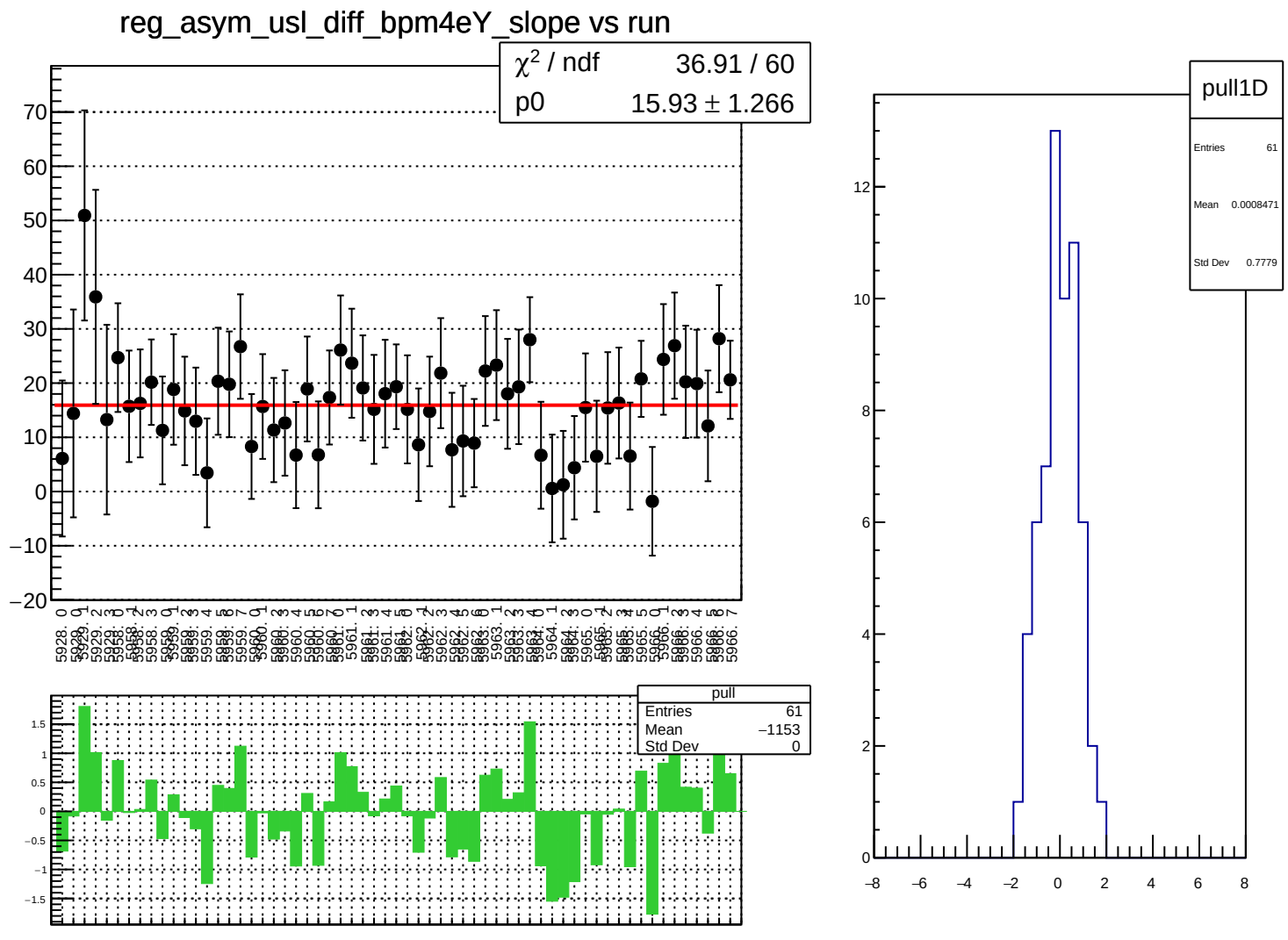

pull1D
Entries 61
Mean −0.02449
Std Dev 0.9313

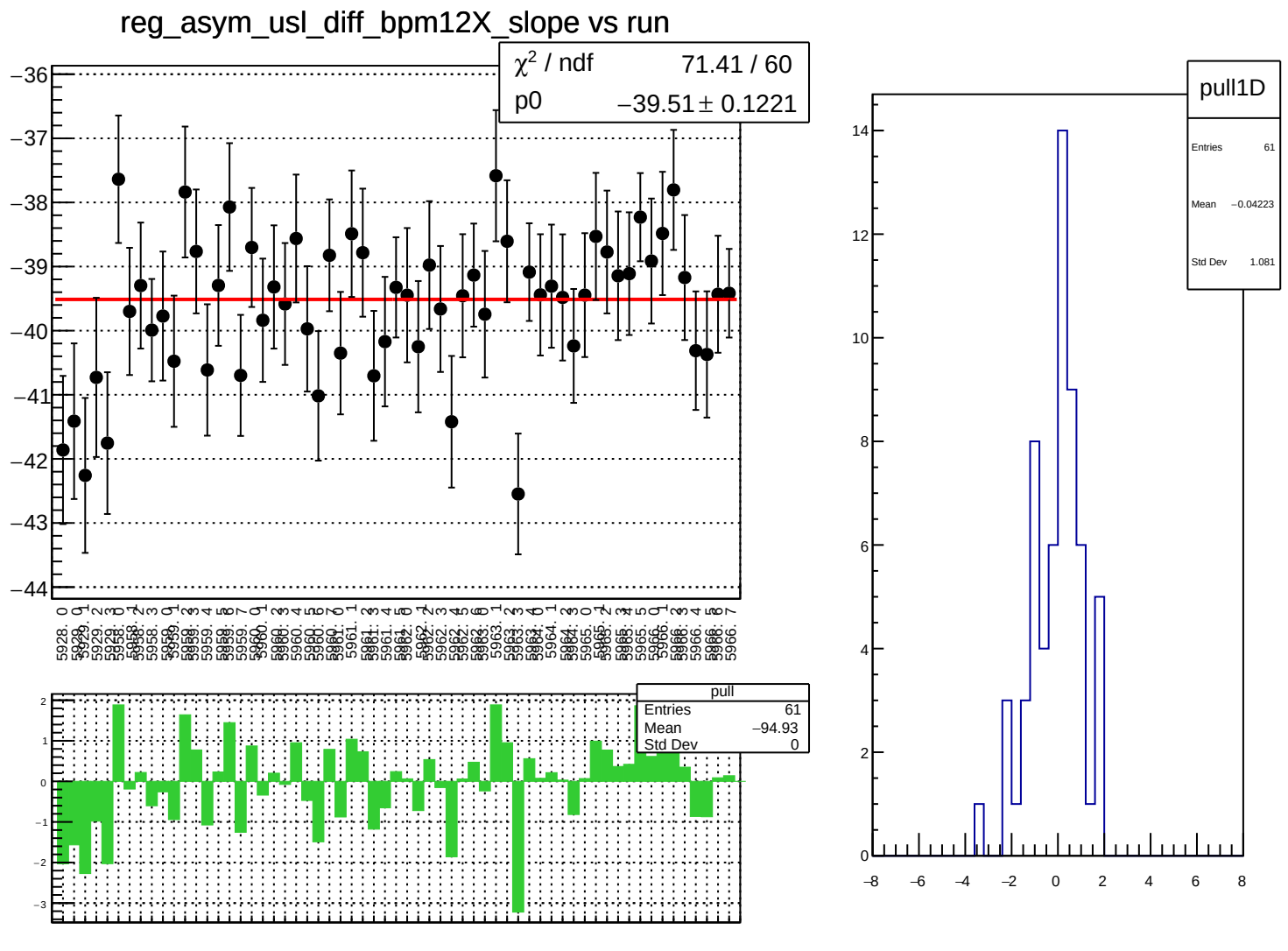

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 36.82 / 60
p0 3.486 ± 0.9865
pull
Entries 61
Mean −98.87
Std Dev 0

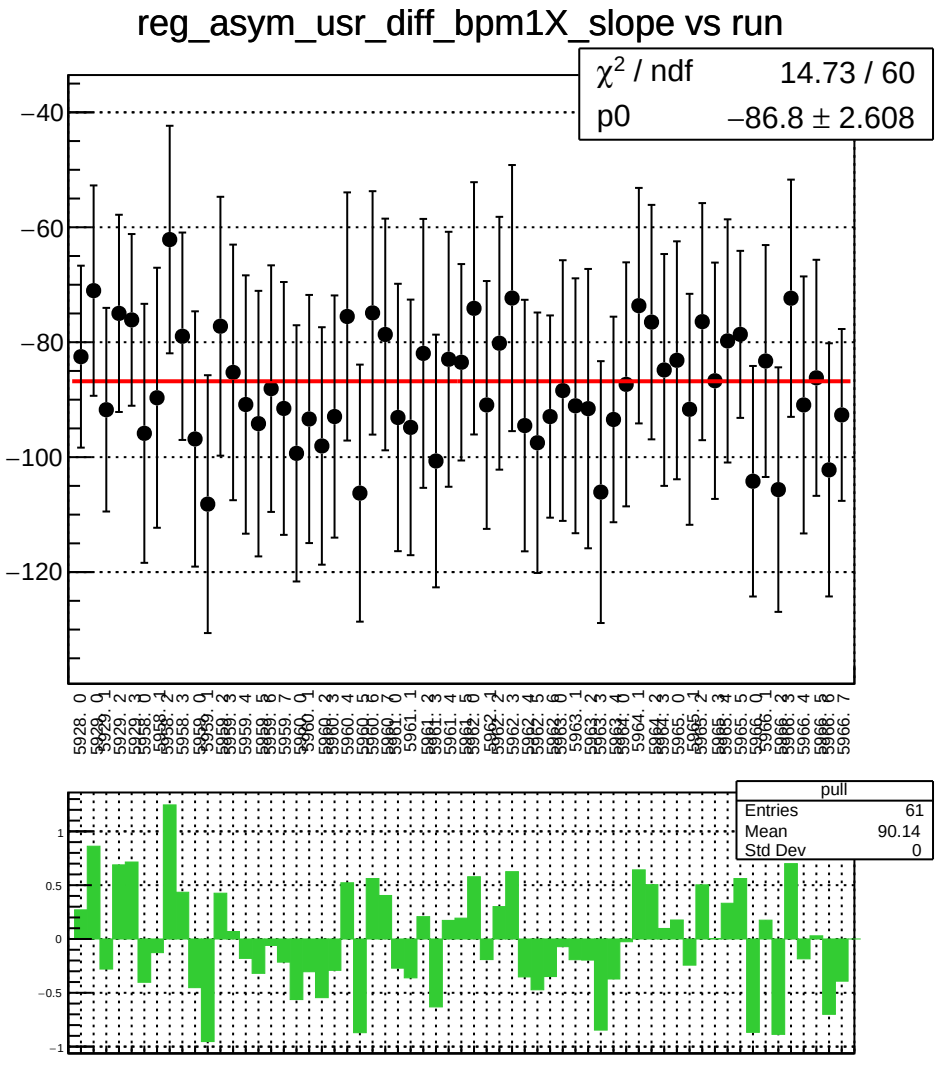

pull1D
Entries 61
Mean −0.008145
Std Dev 0.7769

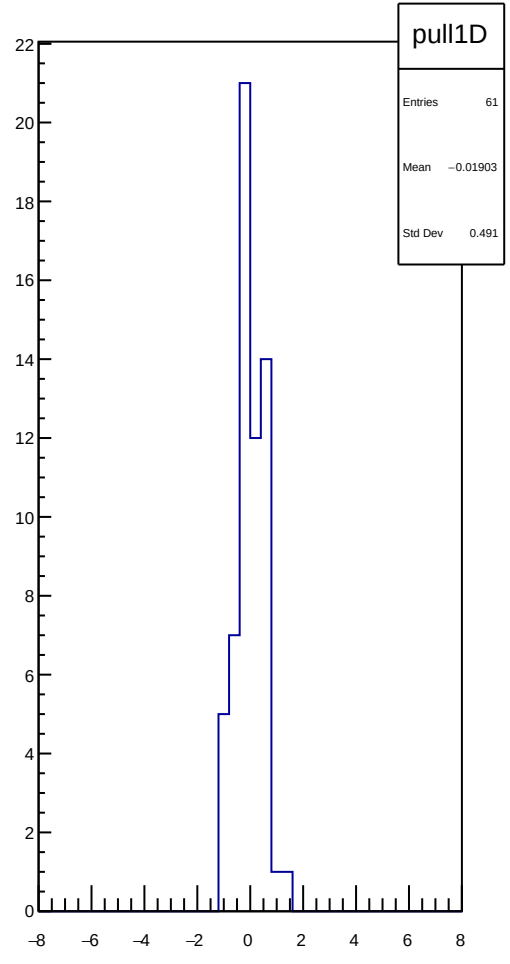

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 56.41 / 60
p0 20.43 ± 1.535
pull
Entries 61
Mean −82.81
Std Dev 0

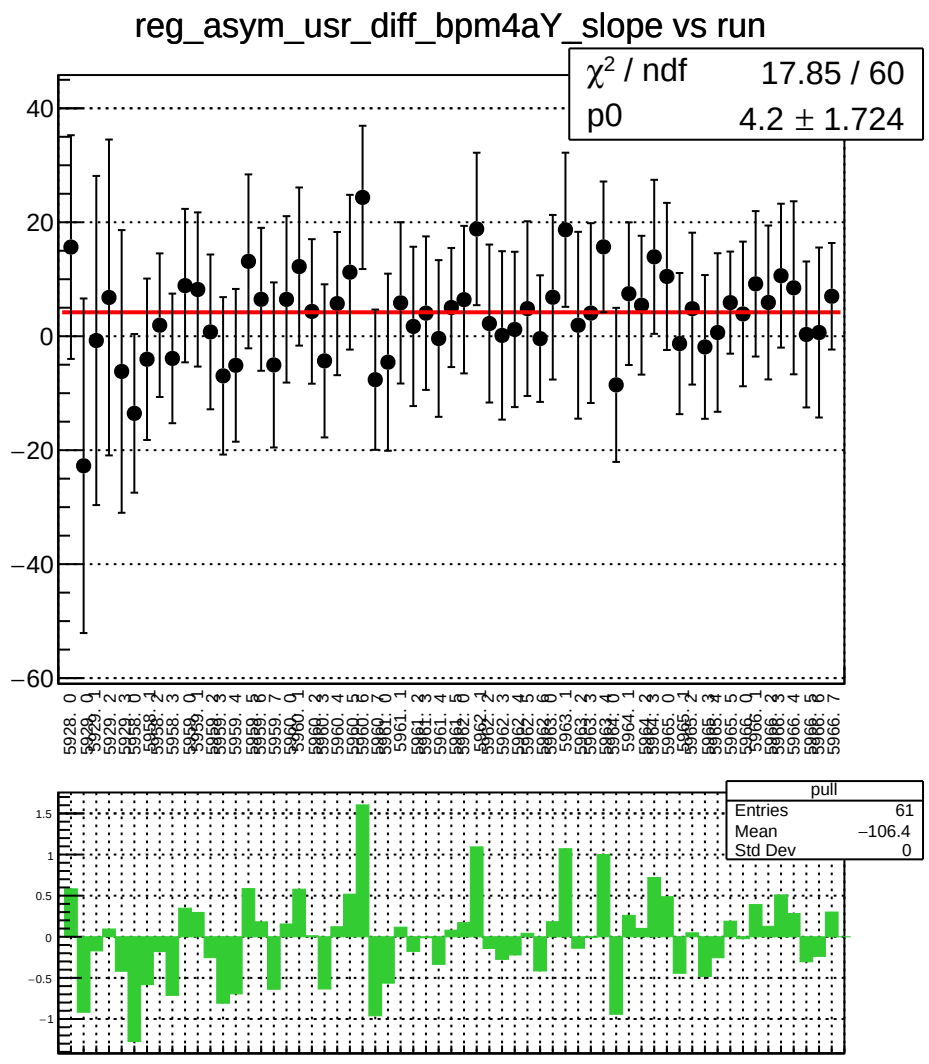

pull1D
Entries 61
Mean 0.0371
Std Dev 0.9609

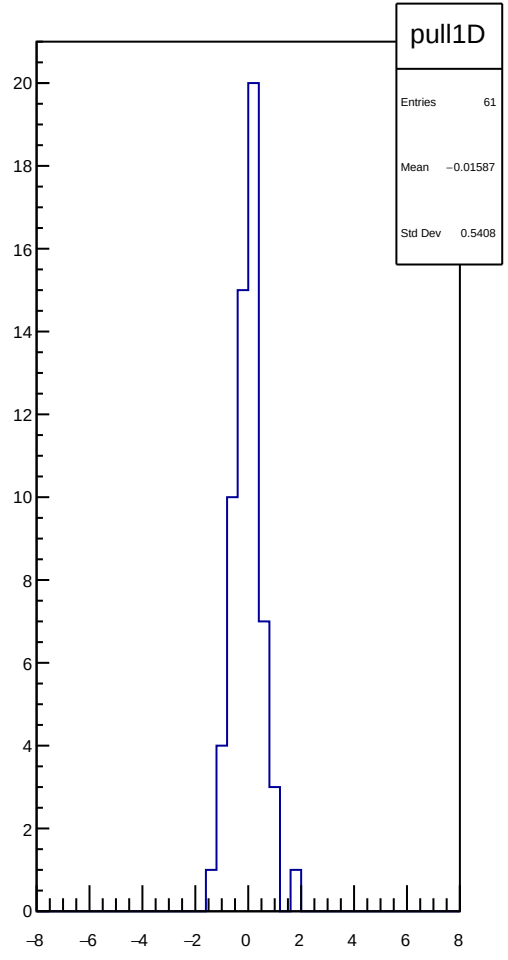

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 36.91 / 60
p0 15.93 ± 1.266
pull
Entries 61
Mean −1153
Std Dev 0
pull1D
Entries 61
Mean 0.0008471
Std Dev 0.7779

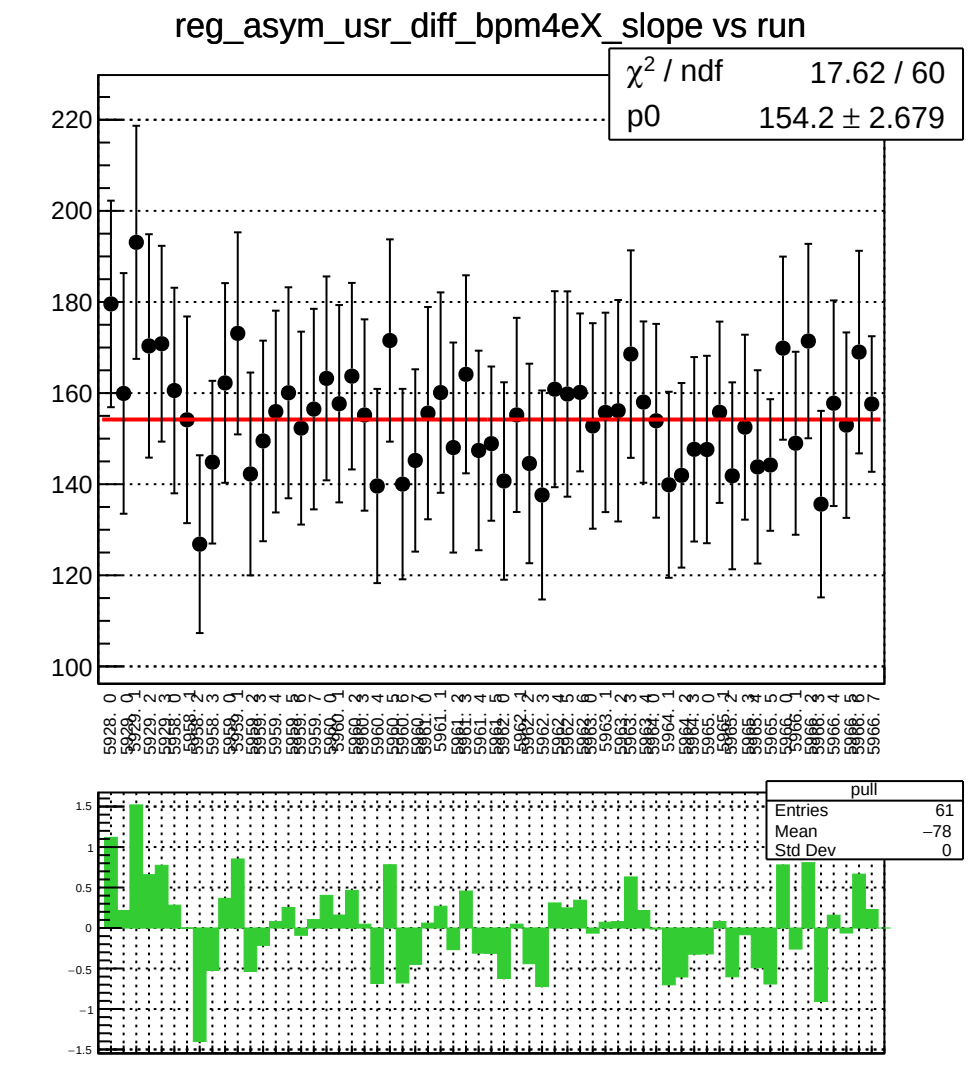

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 71.41 / 60
p0 −39.51 ± 0.1221
pull
Entries 61
Mean −94.93
Std Dev 0
pull1D
Entries 61
Mean −0.04223
Std Dev 1.081

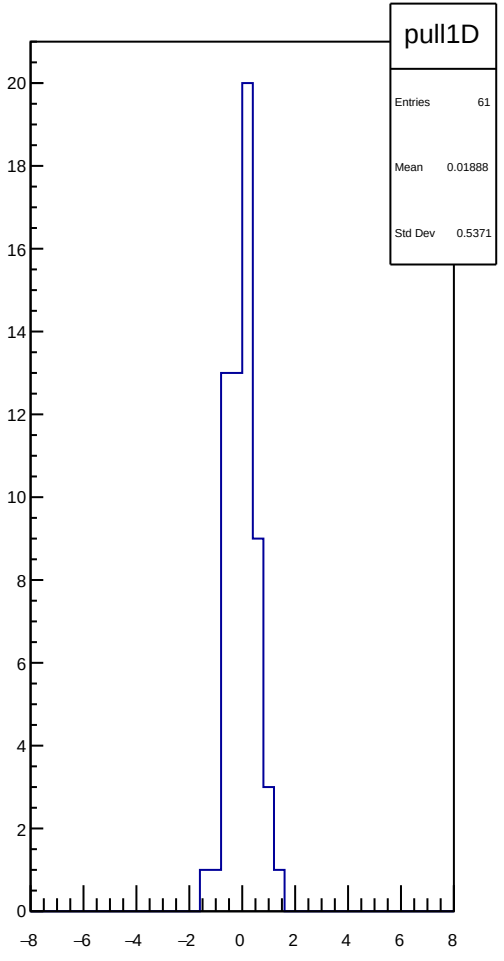

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 14.73 / 60
p0 −86.8 ± 2.608
pull
Entries 61
Mean 90.14
Std Dev 0

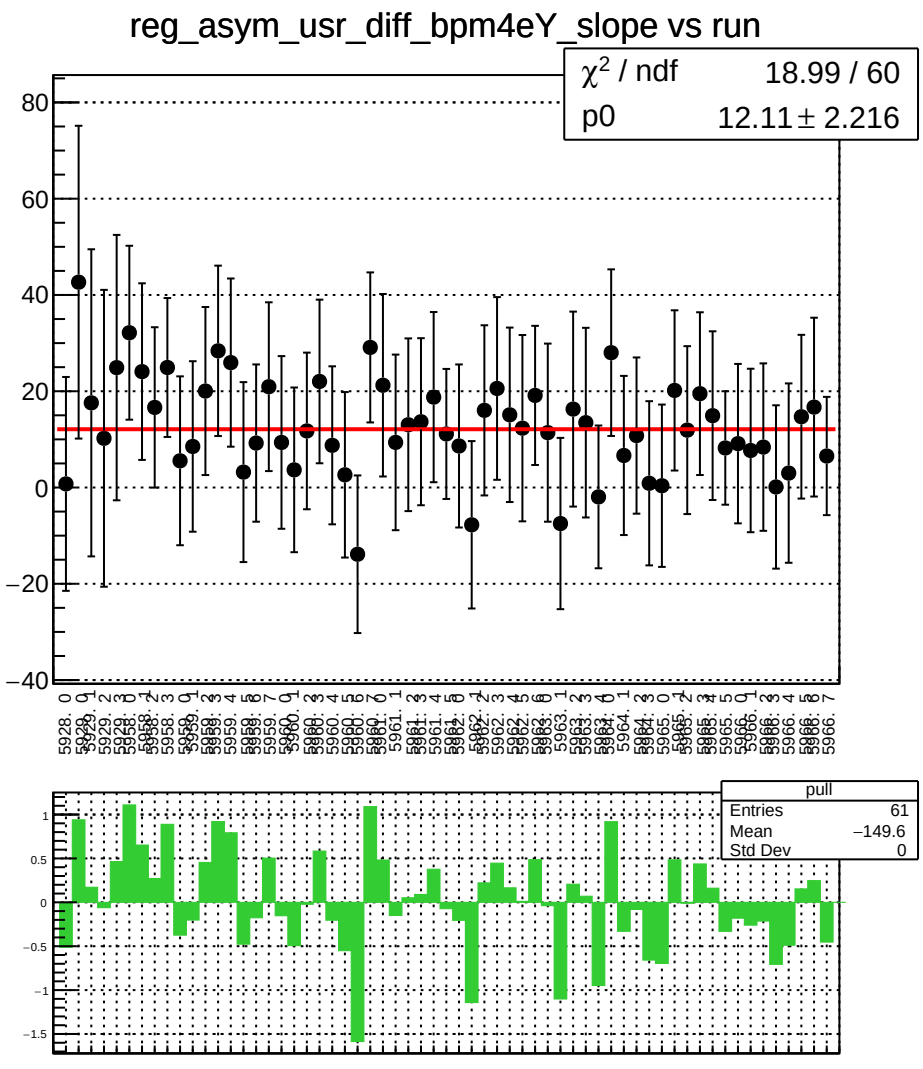

pull1D
Entries 61
Mean −0.01903
Std Dev 0.491

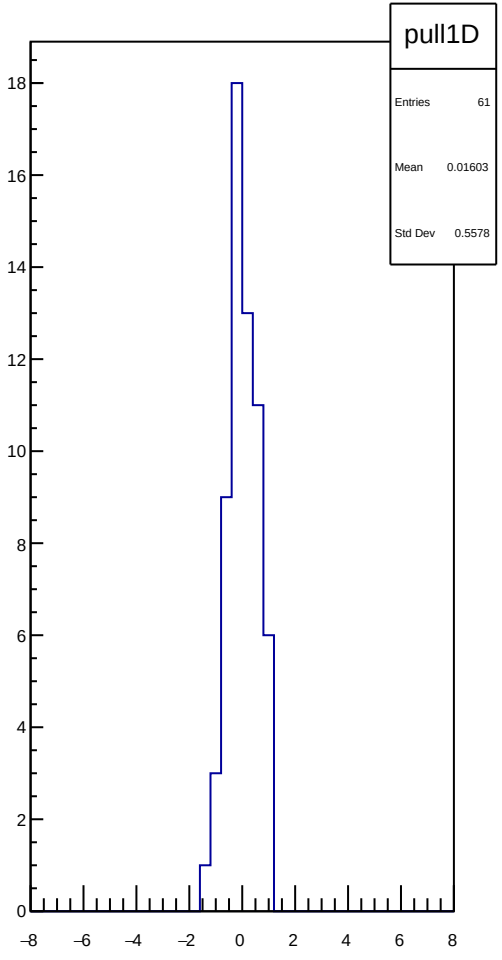

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 17.85 / 60
p0 4.2 ± 1.724
pull
Entries 61
Mean −106.4
Std Dev 0

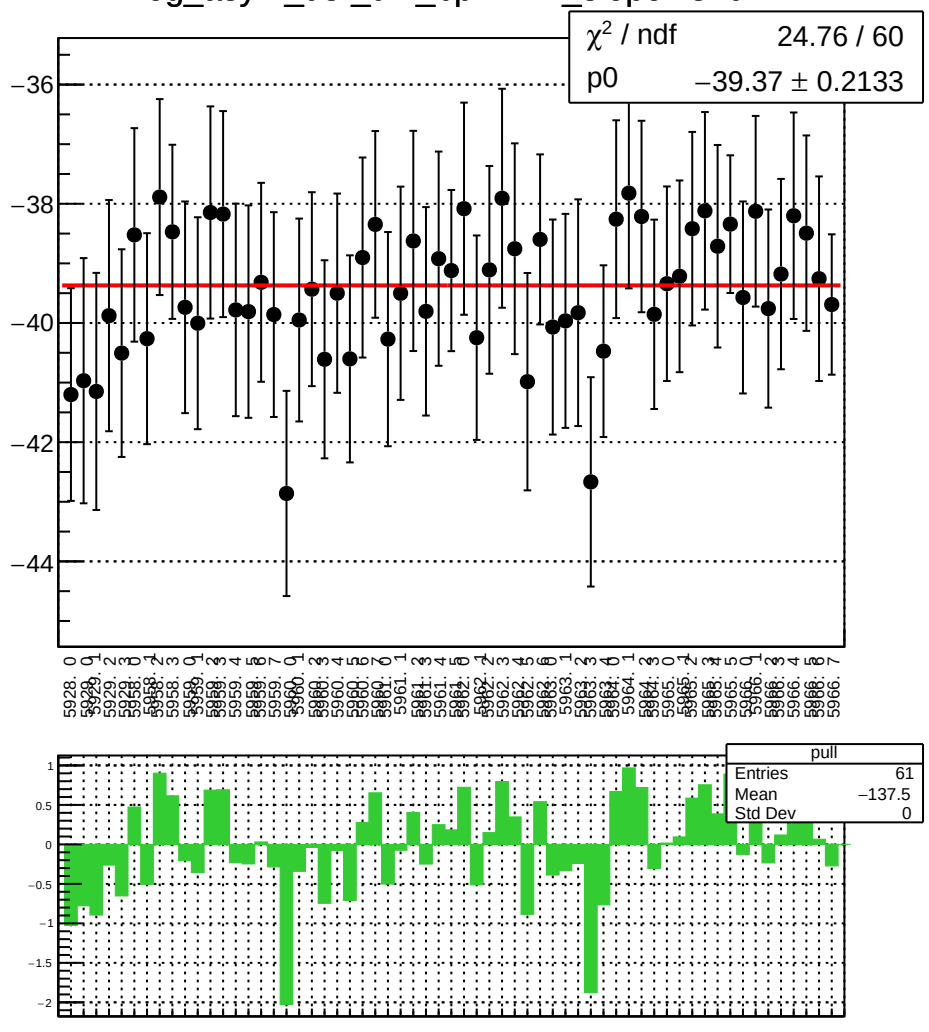

pull1D
Entries 61
Mean −0.01587
Std Dev 0.5408

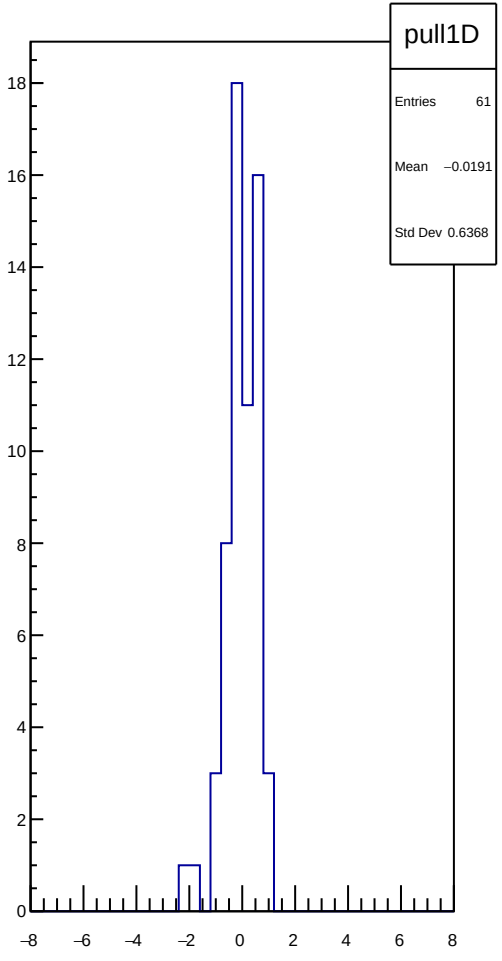

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 17.62 / 60
p0 154.2 ± 2.679
pull
Entries 61
Mean −78
Std Dev 0

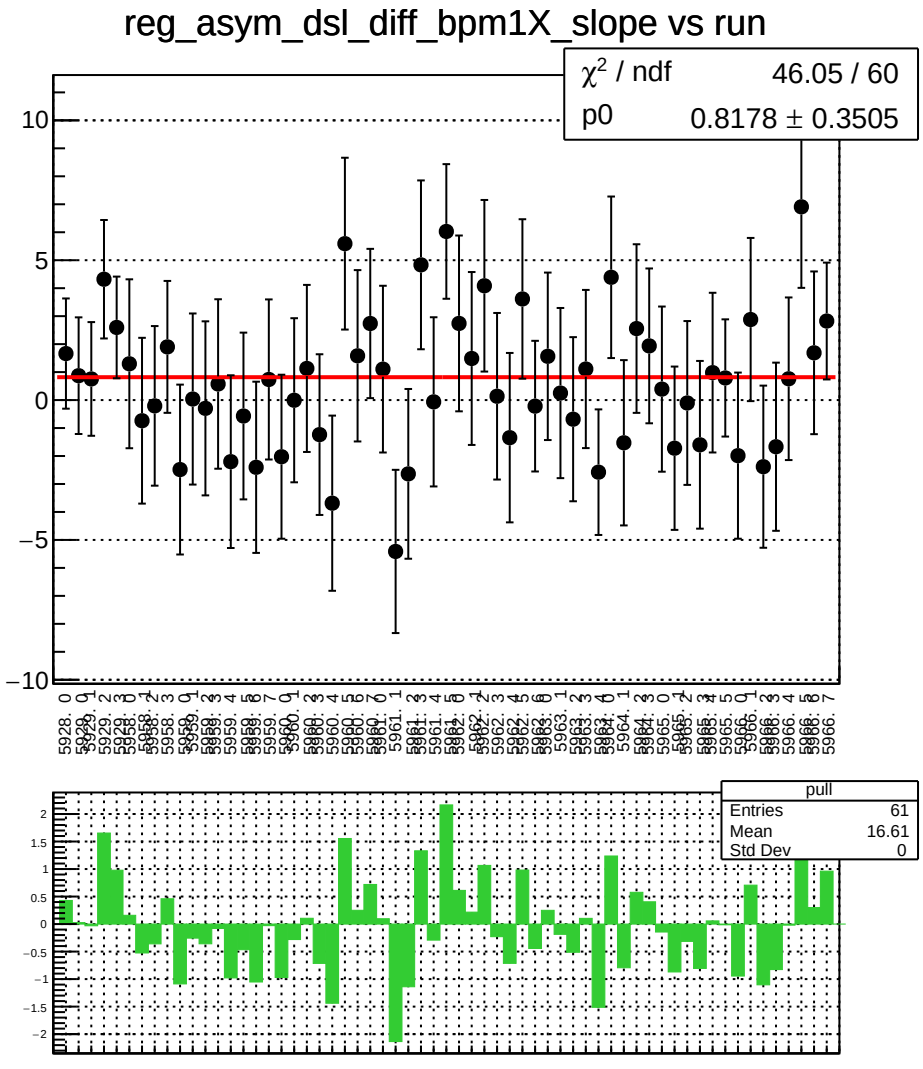

pull1D
Entries 61
Mean 0.01888
Std Dev 0.5371

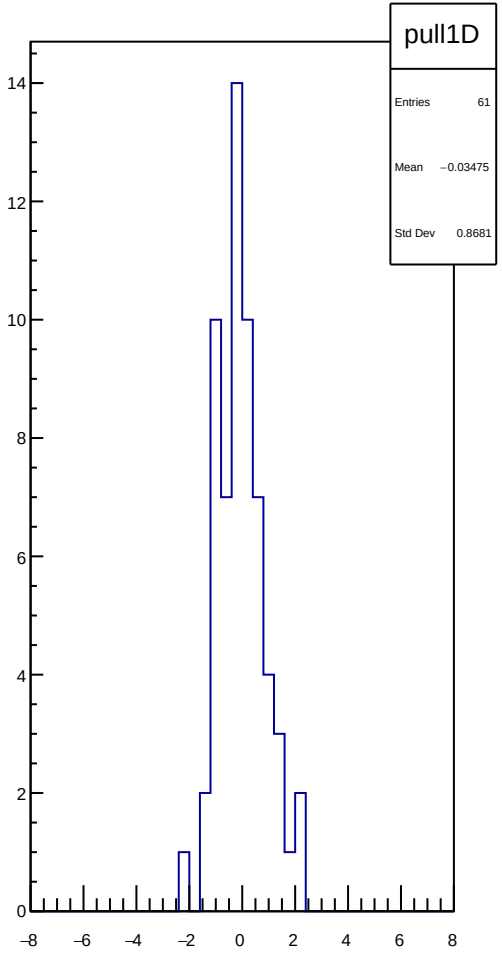

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 18.99 / 60
p0 12.11 ± 2.216
pull
Entries 61
Mean −149.6
Std Dev 0

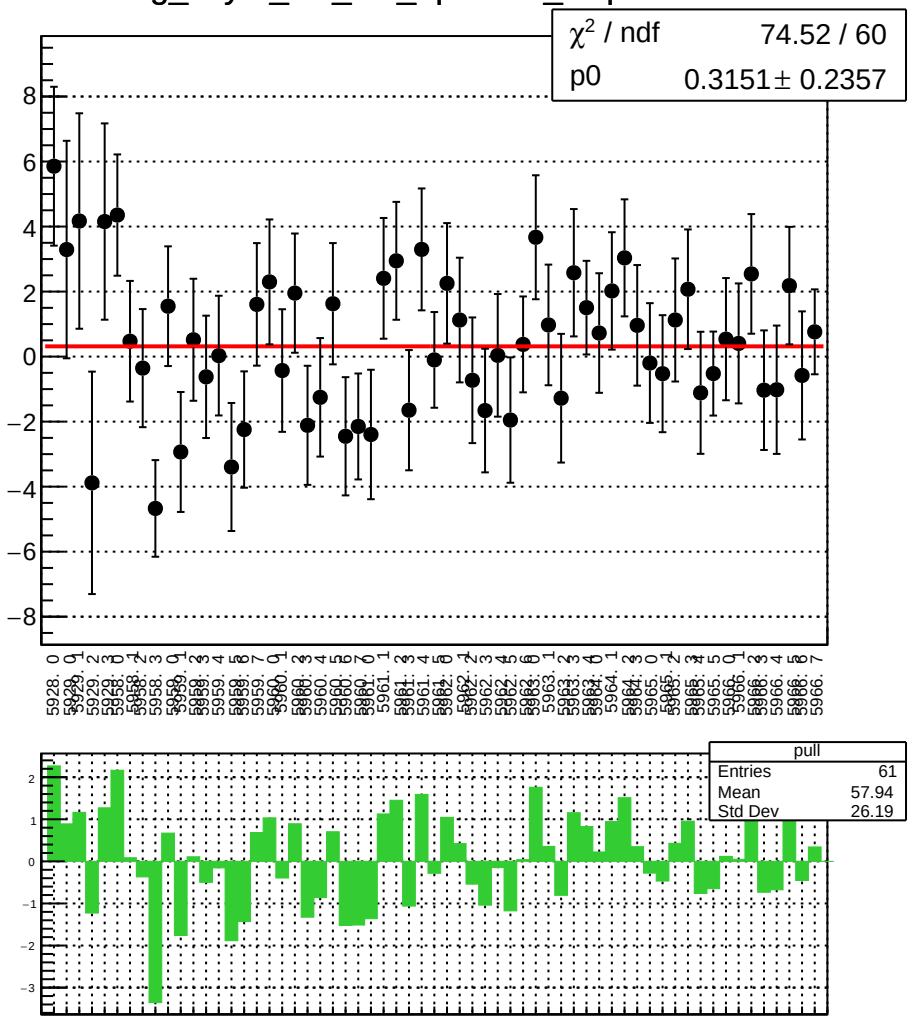

pull1D
Entries 61
Mean 0.01603
Std Dev 0.5578

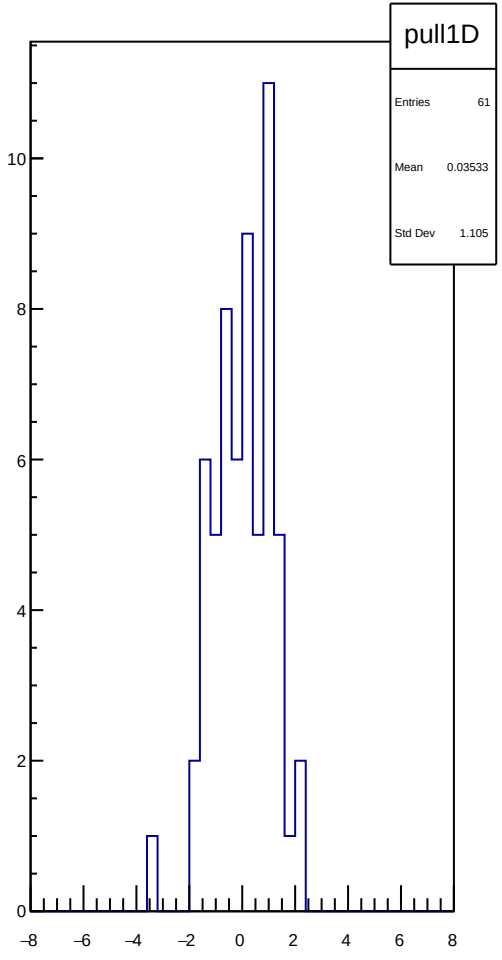

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 24.76 / 60
p0 −39.37 ± 0.2133
pull
Entries 61
Mean −137.5
Std Dev 0

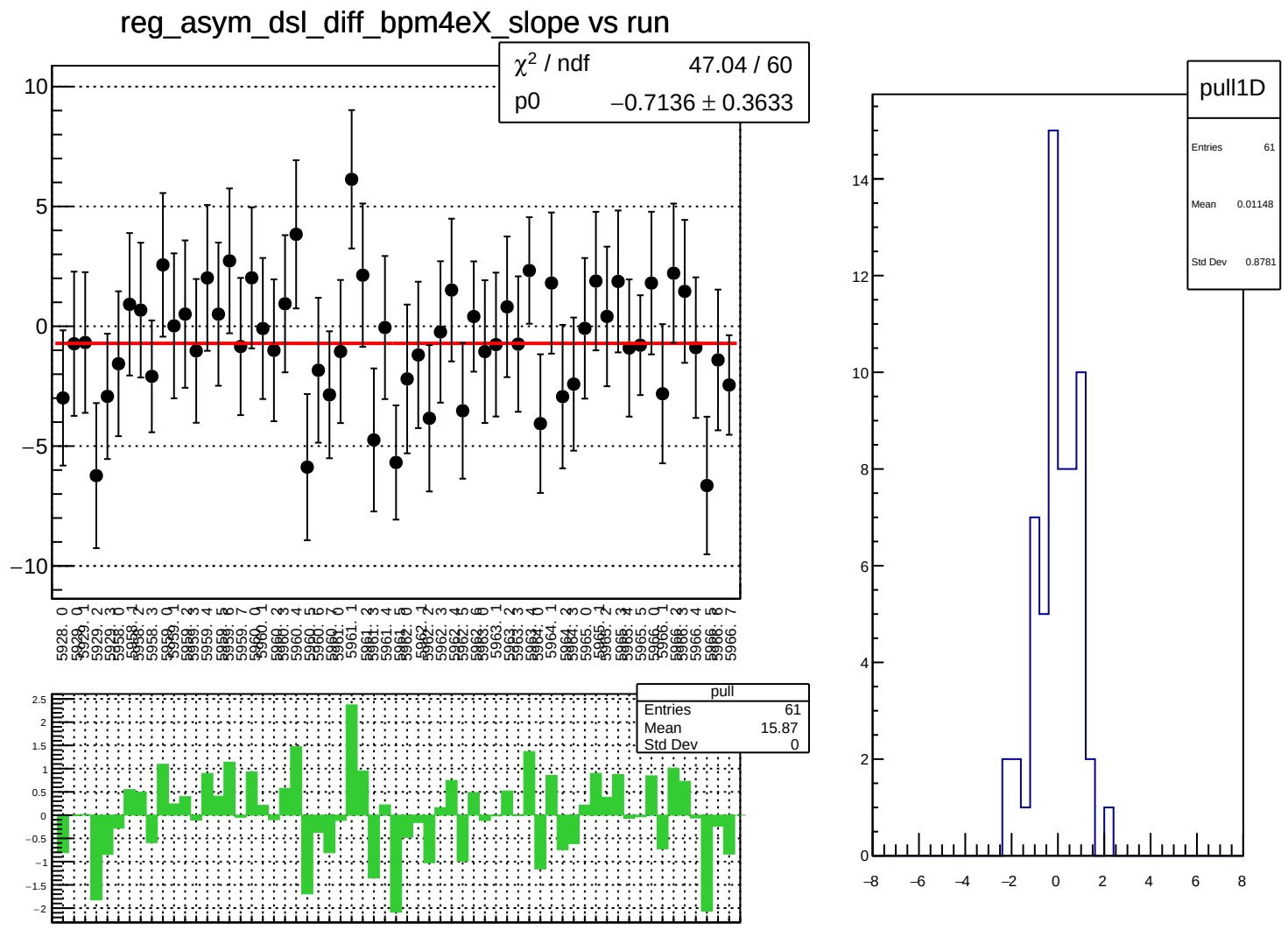

pull1D
Entries 61
Mean −0.0191
Std Dev 0.6368

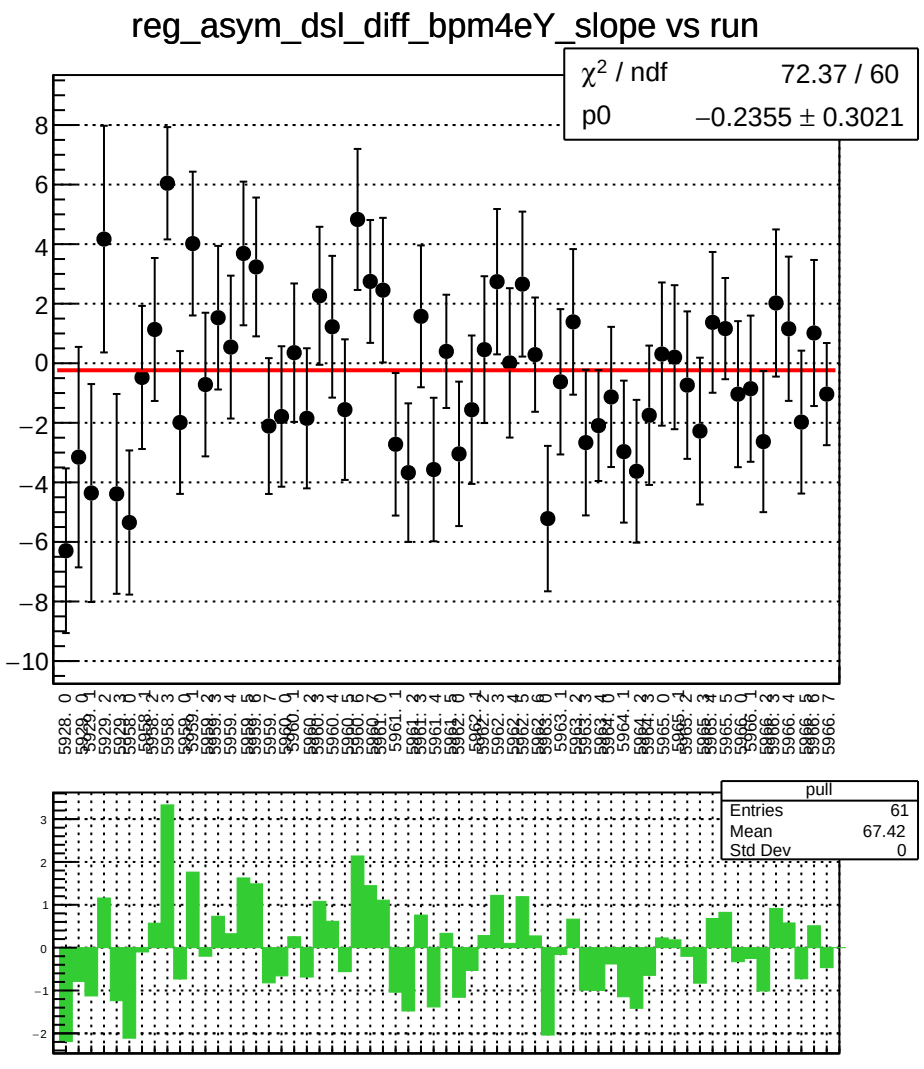

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 46.05 / 60
p0 0.8178 ± 0.3505
pull
Entries 61
Mean 16.61
Std Dev 0

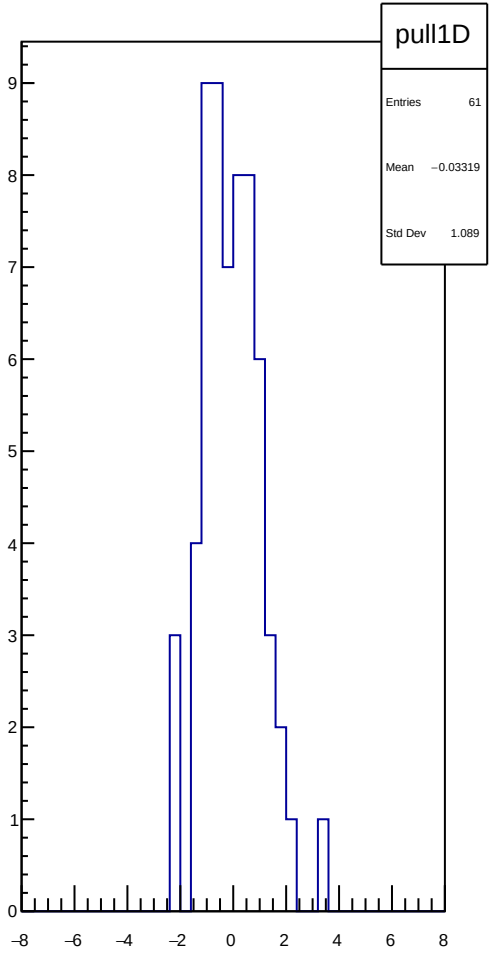

pull1D
Entries 61
Mean −0.03475
Std Dev 0.8681

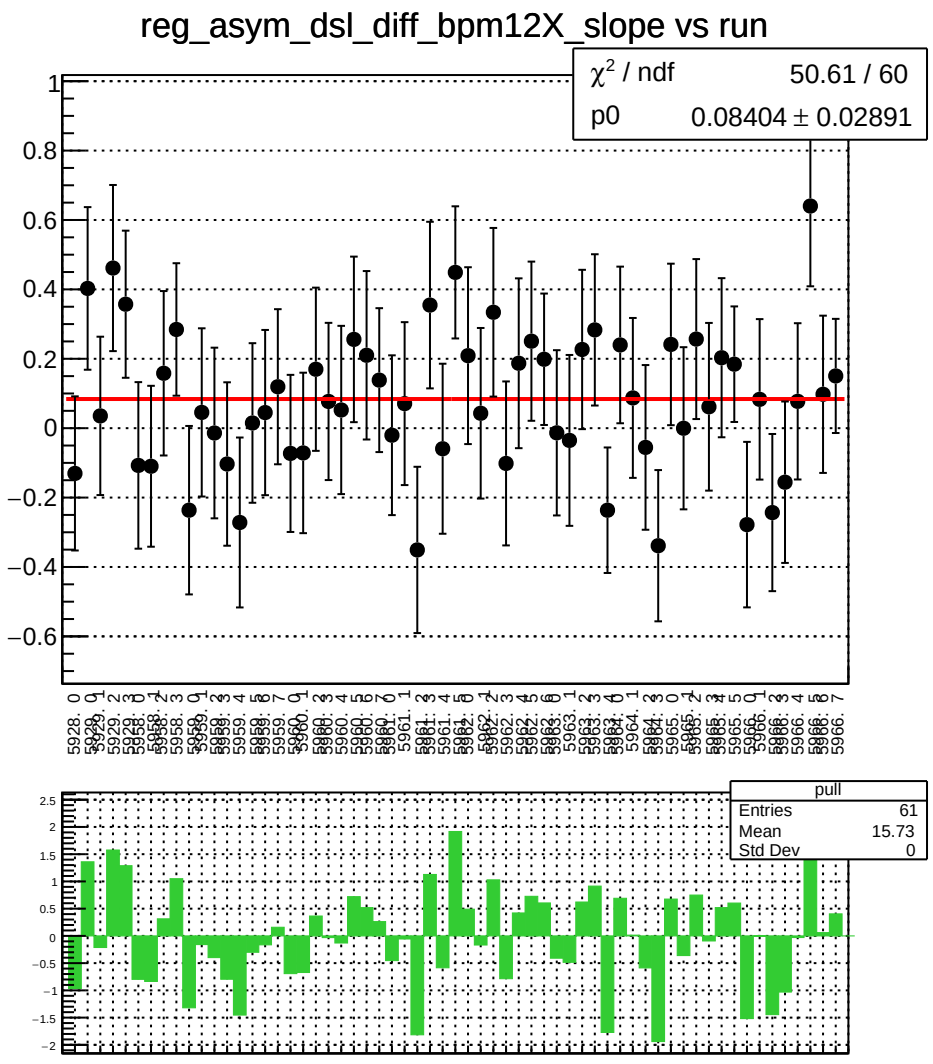

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 74.52 / 60
p0 0.3151 ± 0.2357
pull
Entries 61
Mean 57.94
Std Dev 26.19

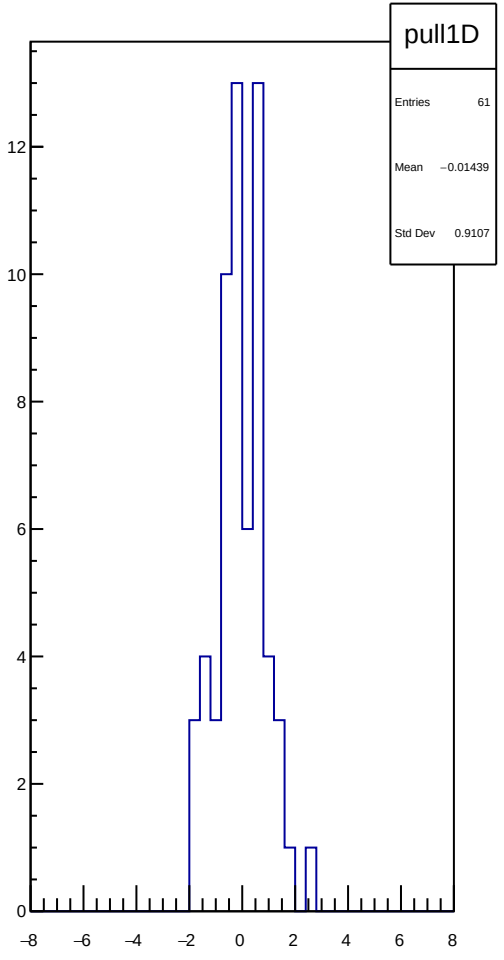

pull1D
Entries 61
Mean 0.03533
Std Dev 1.105

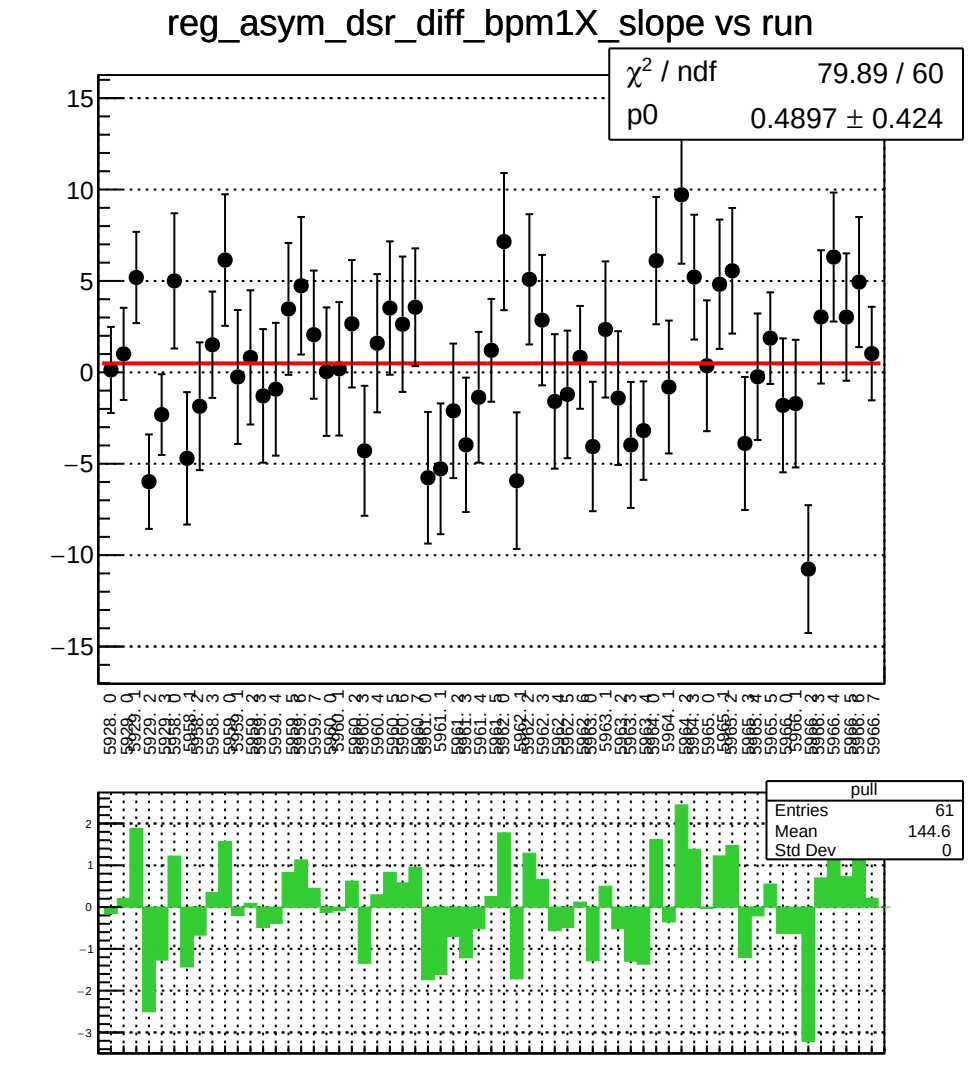

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 47.04 / 60
p0 −0.7136 ± 0.3633
pull
Entries 61
Mean 15.87
Std Dev 0
pull1D
Entries 61
Mean 0.01148
Std Dev 0.8781

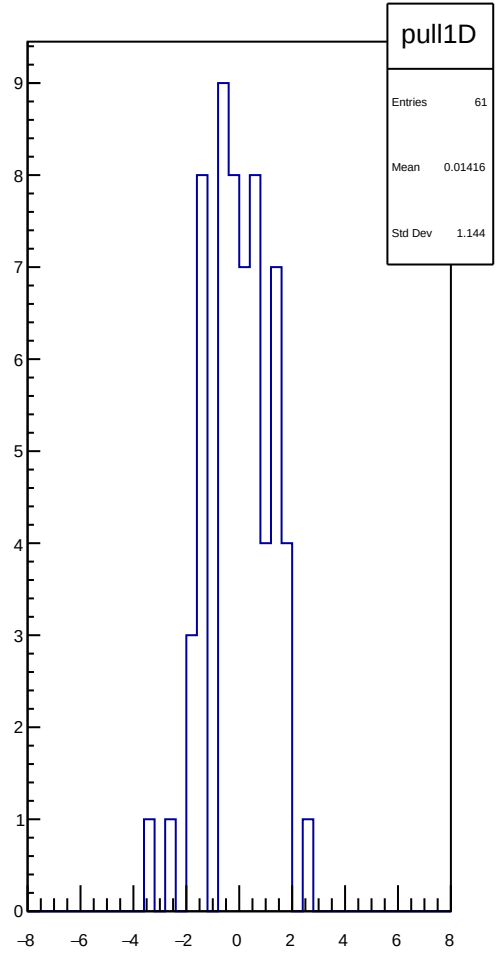

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 72.37 / 60
p0 −0.2355 ± 0.3021
pull
Entries 61
Mean 67.42
Std Dev 0

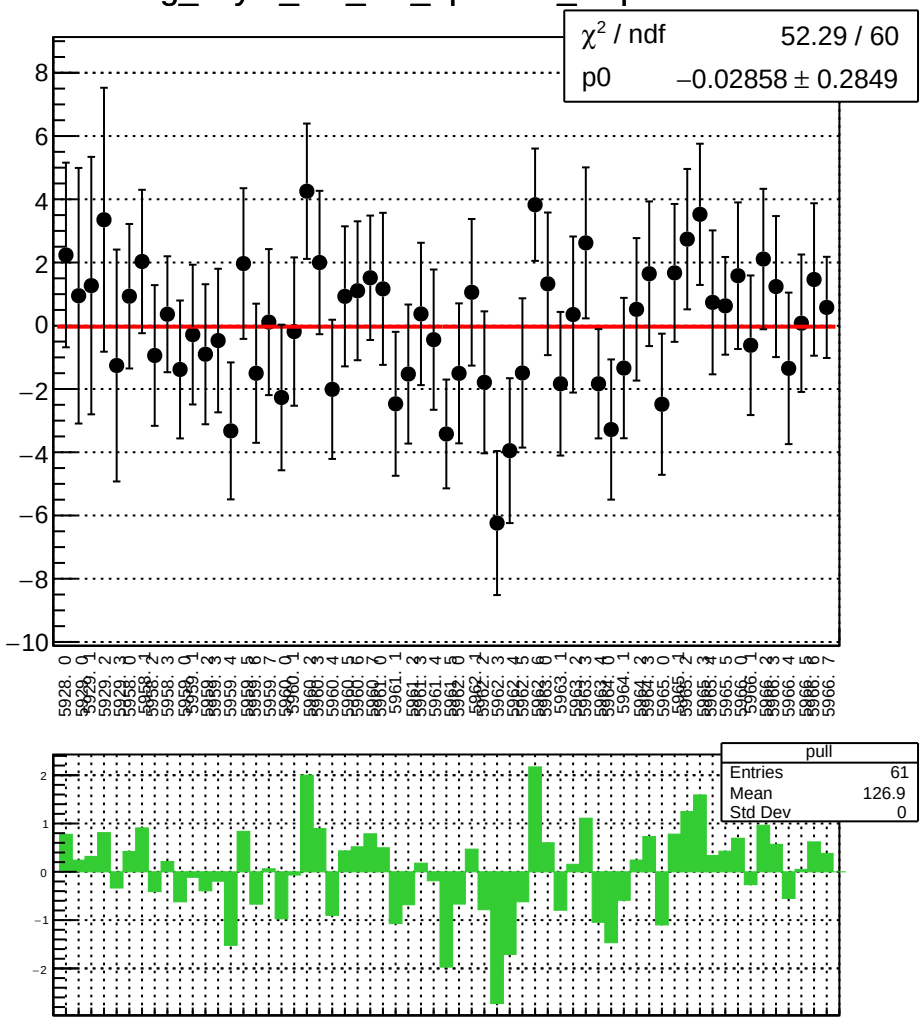

pull1D
Entries 61
Mean −0.03319
Std Dev 1.089

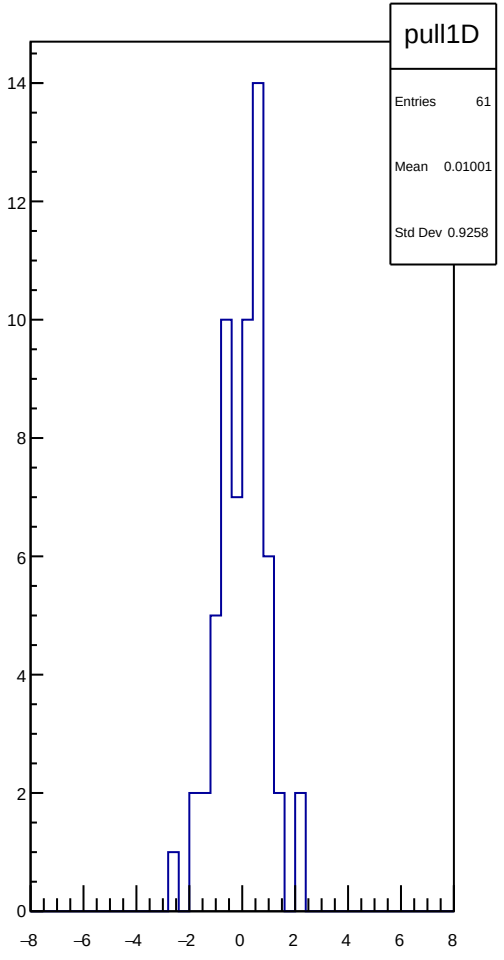

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 50.61 / 60
p0 0.08404 ± 0.02891
pull
Entries 61
Mean 15.73
Std Dev 0

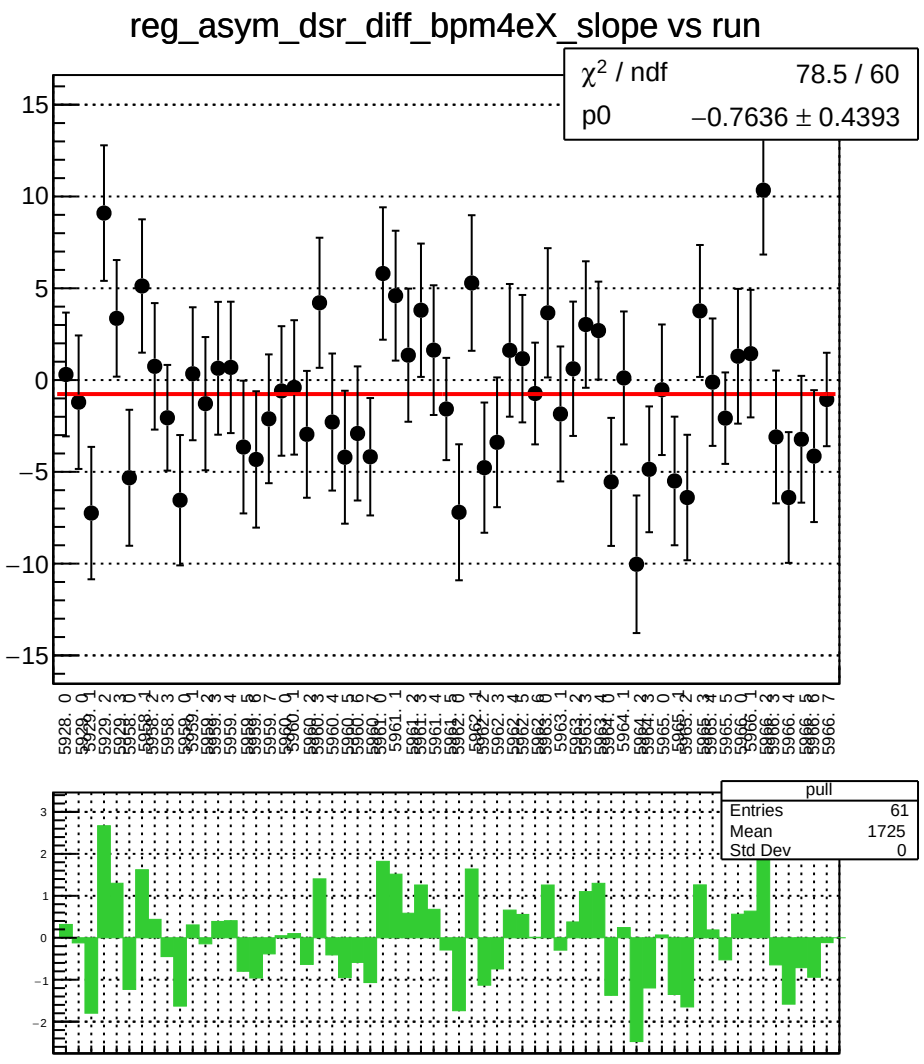

pull1D
Entries 61
Mean −0.01439
Std Dev 0.9107

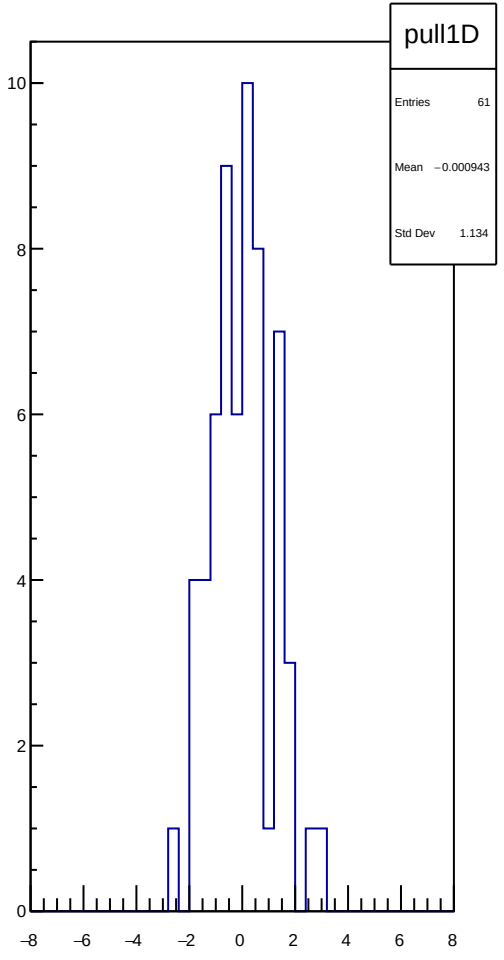

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 79.89 / 60
p0 0.4897 ± 0.424
pull
Entries 61
Mean 144.6
Std Dev 0

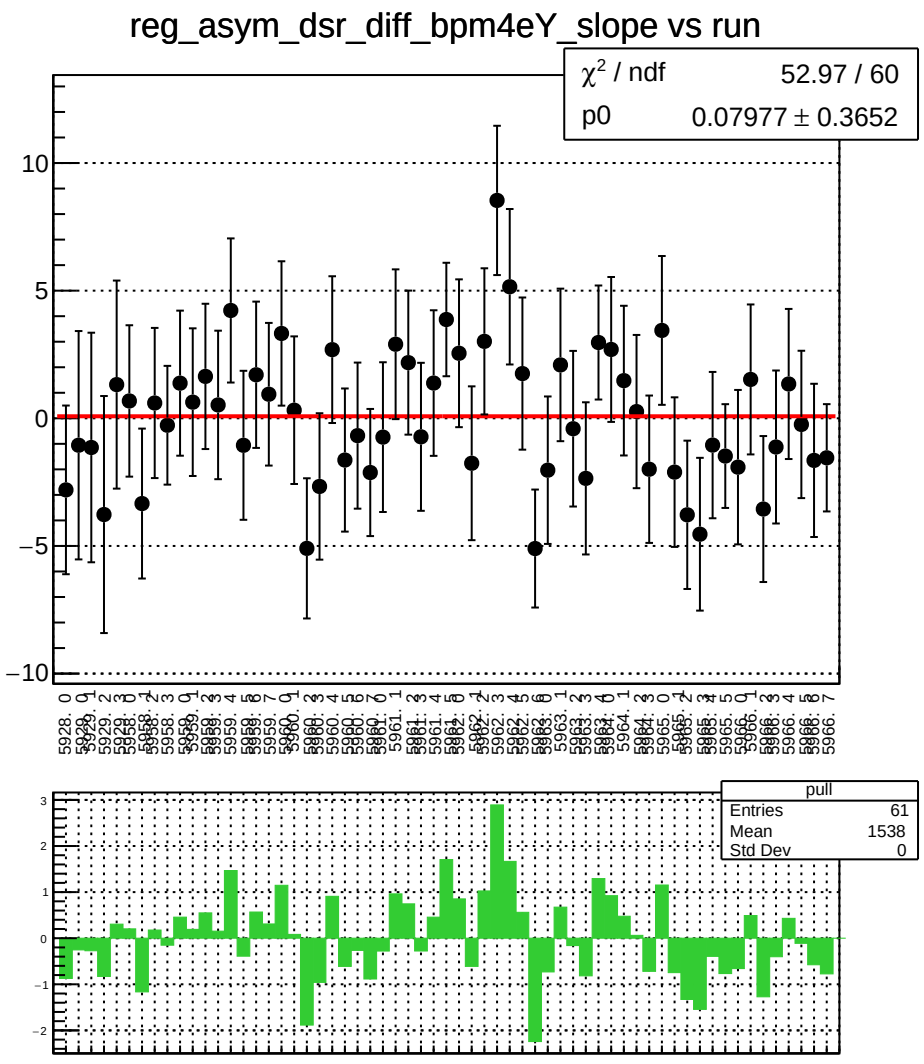

pull1D
Entries 61
Mean 0.01416
Std Dev 1.144

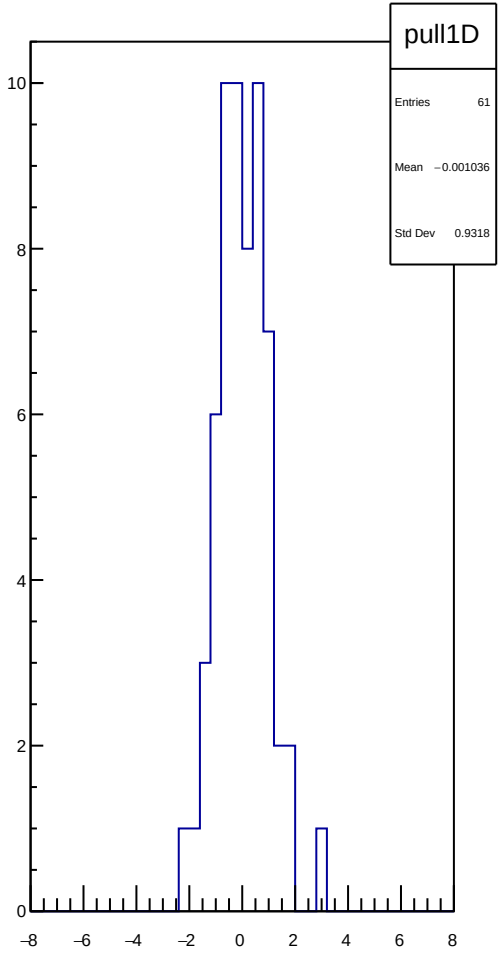

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 52.29 / 60
p0 −0.02858 ± 0.2849
pull
Entries 61
Mean 126.9
Std Dev 0

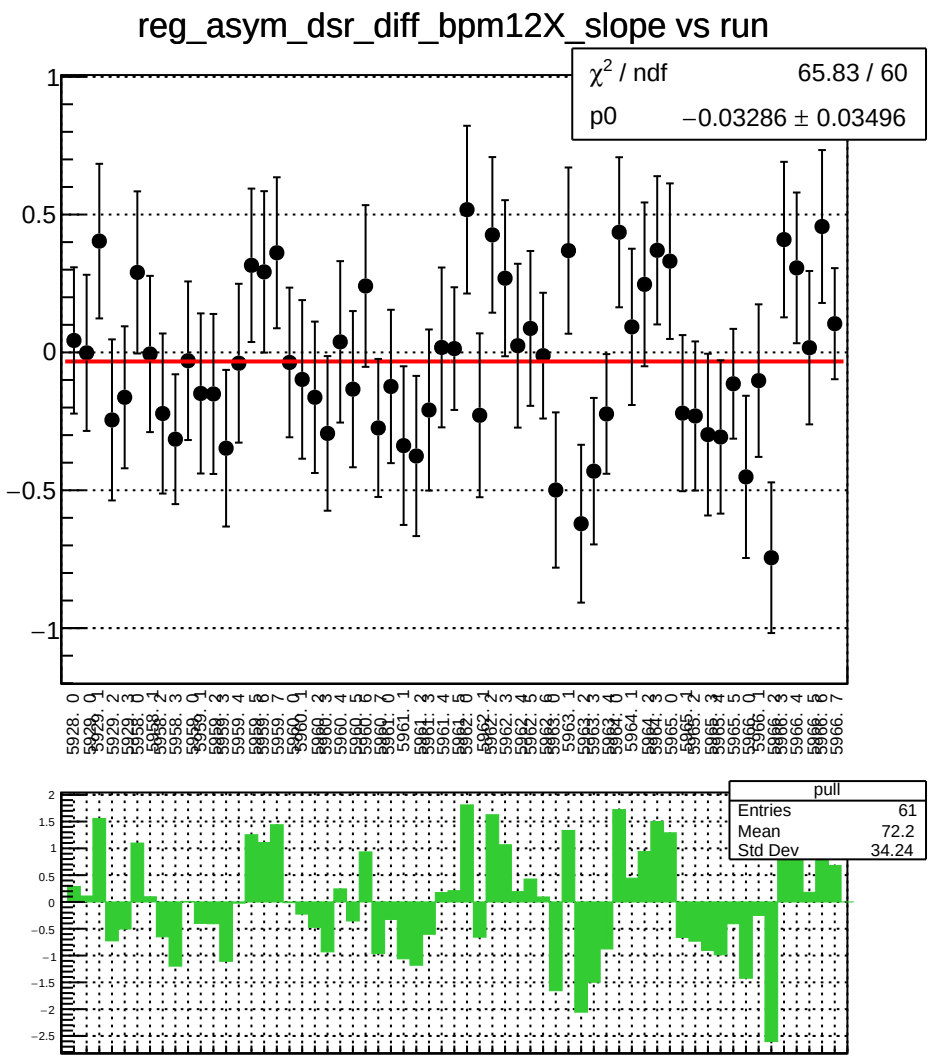

pull1D
Entries 61
Mean 0.01001
Std Dev 0.9258

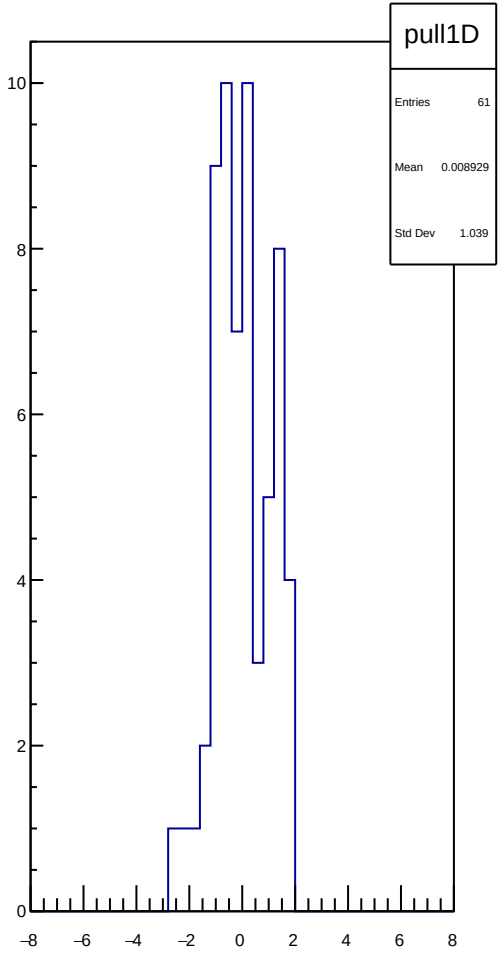

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 78.5 / 60
p0 −0.7636 ± 0.4393
pull
Entries 61
Mean 1725
Std Dev 0

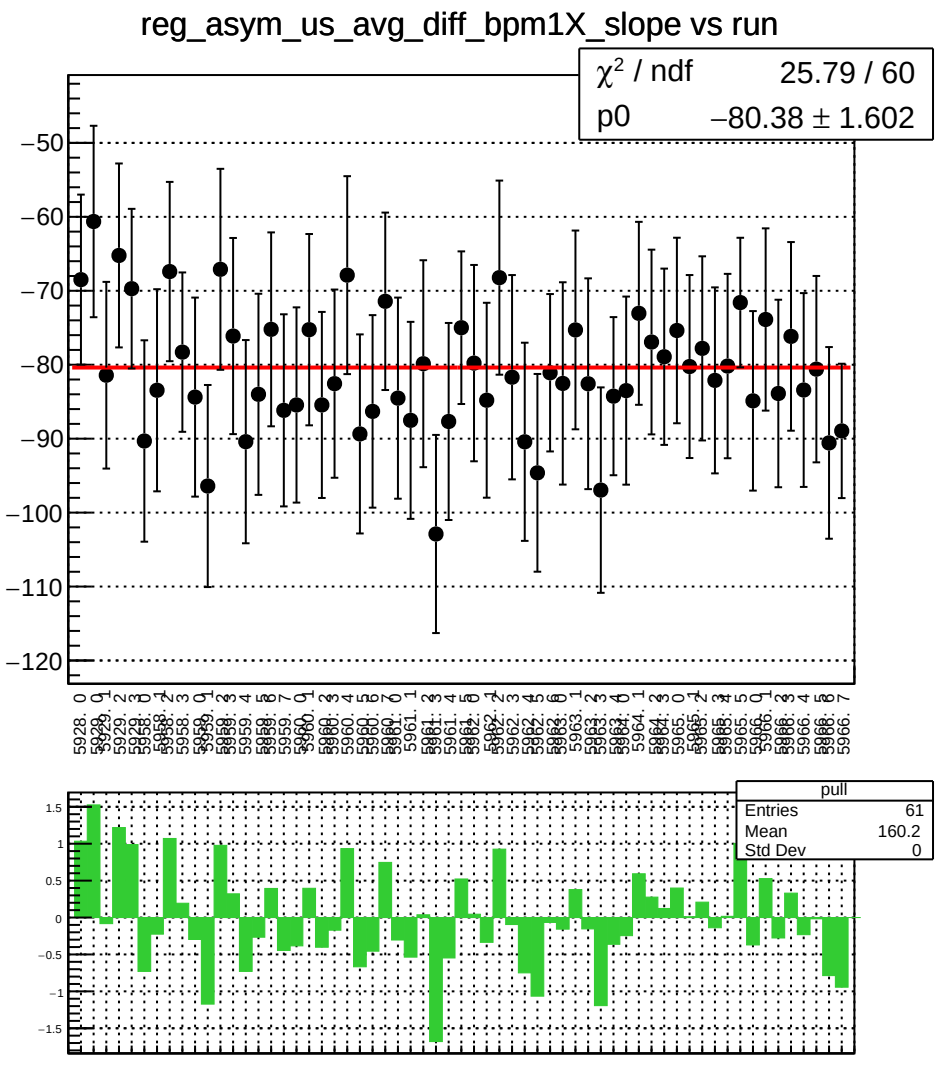

pull1D
Entries 61
Mean −0.000943
Std Dev 1.134

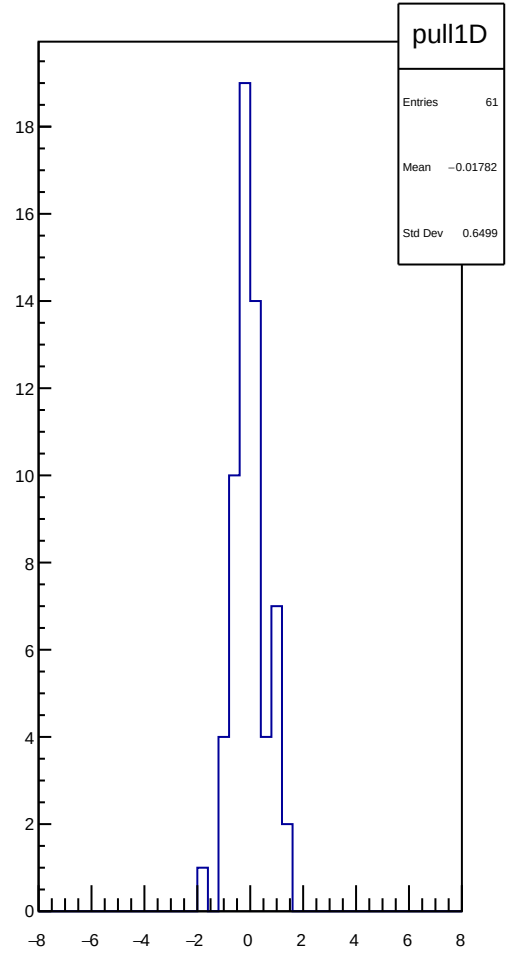

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 52.97 / 60
p0 0.07977 ± 0.3652
pull
Entries 61
Mean 1538
Std Dev 0

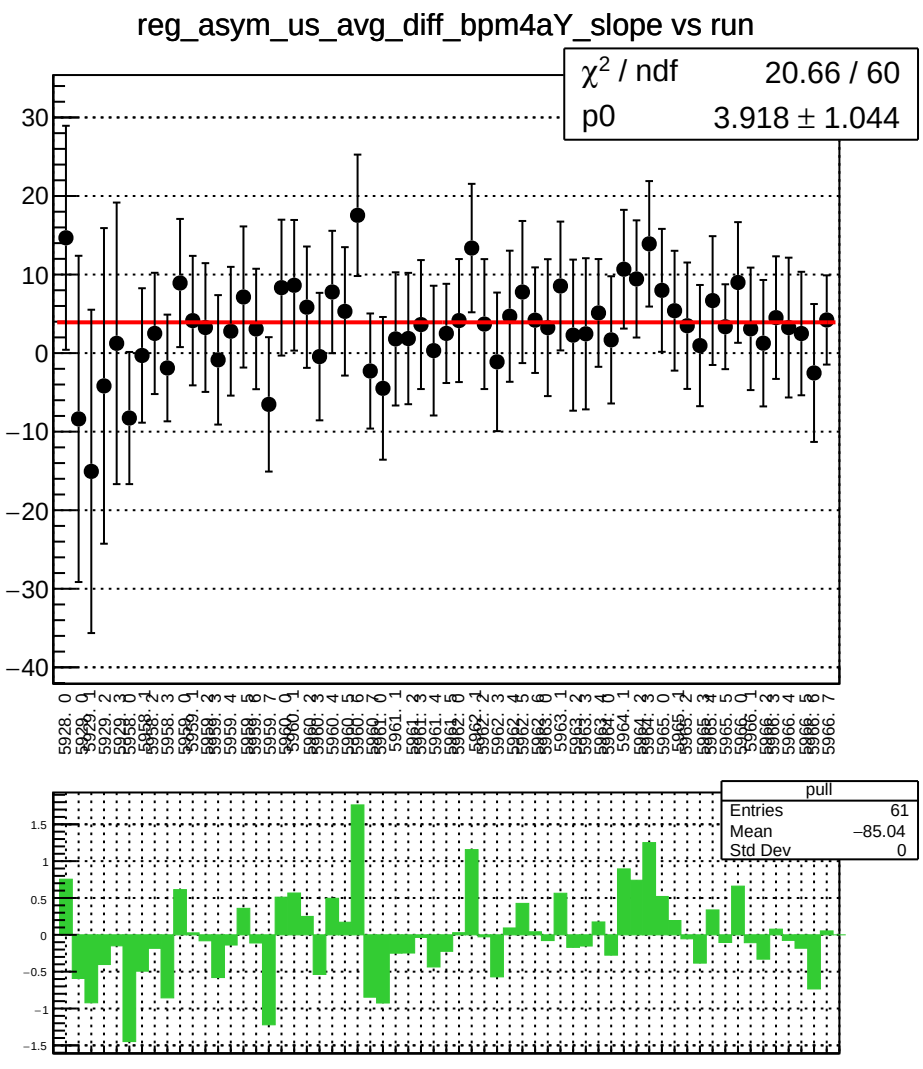

pull1D
Entries 61
Mean −0.001036
Std Dev 0.9318

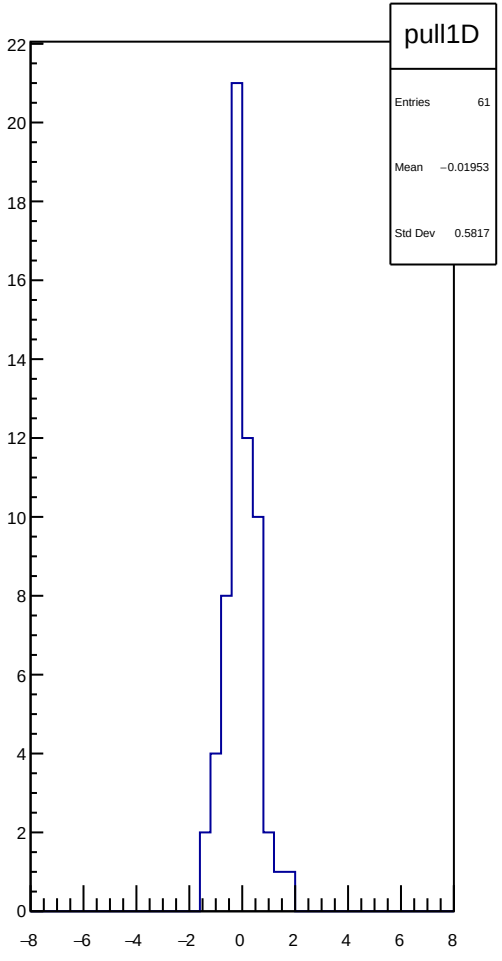

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 65.83 / 60
p0 −0.03286 ± 0.03496
pull
Entries 61
Mean 72.2
Std Dev 34.24

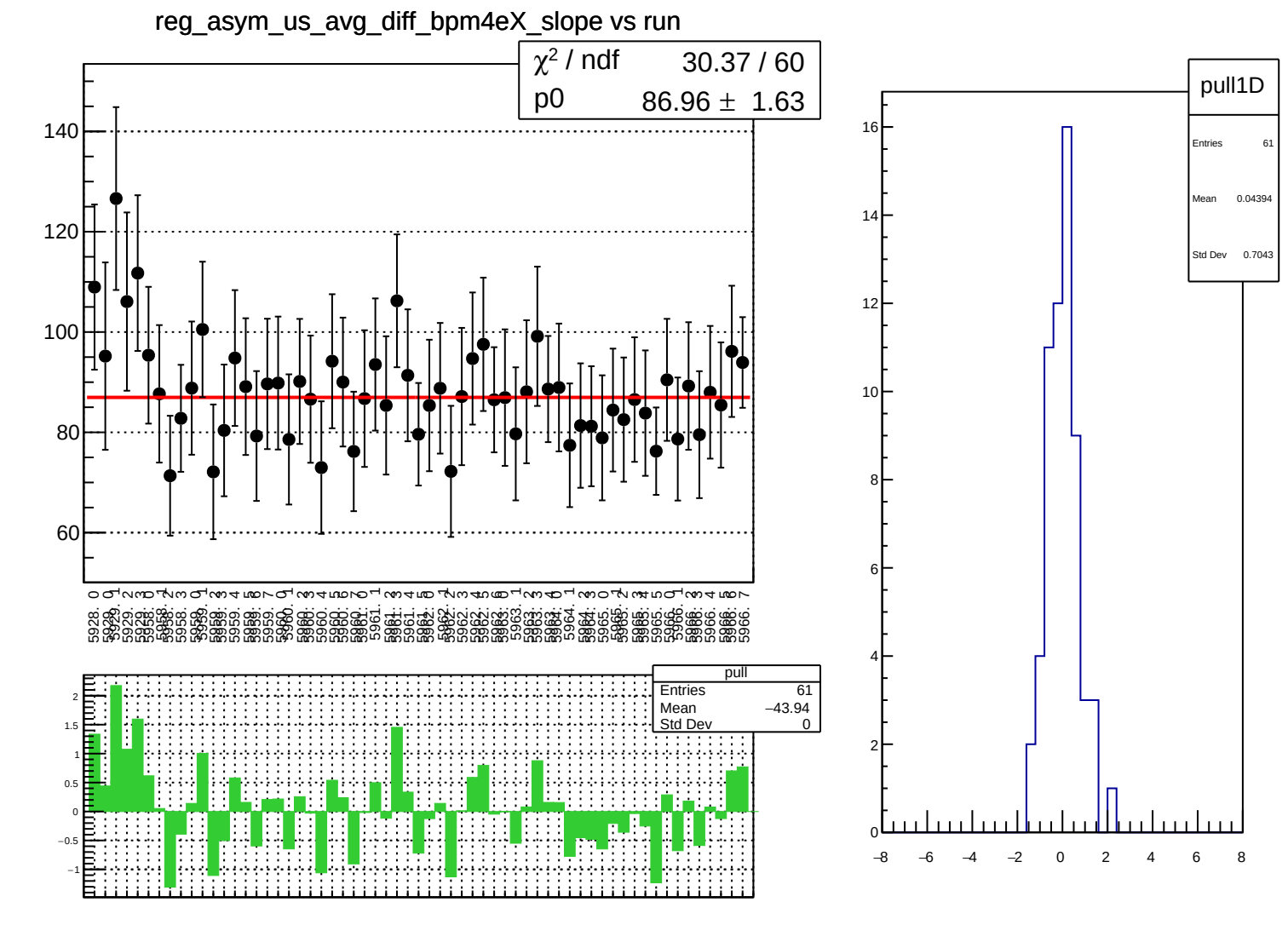

pull1D
Entries 61
Mean 0.008929
Std Dev 1.039

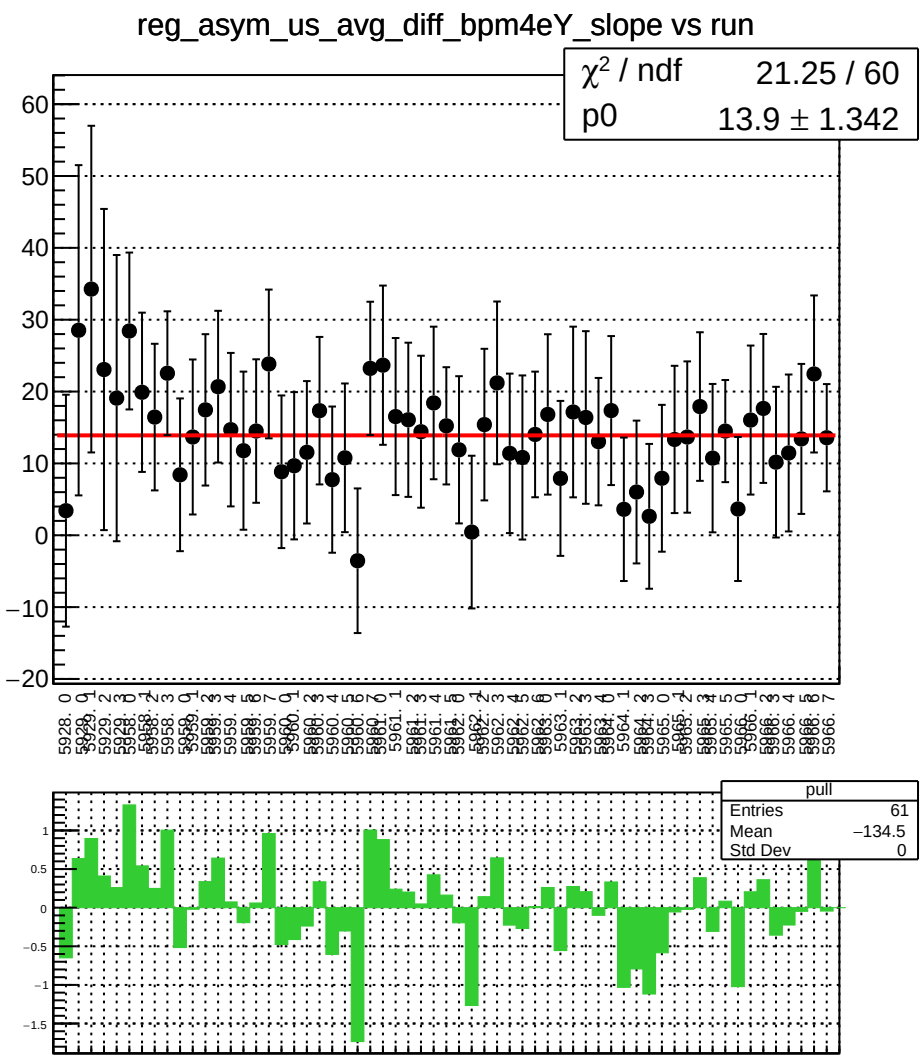

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 25.79 / 60
p0 −80.38 ± 1.602
pull
Entries 61
Mean 160.2
Std Dev 0

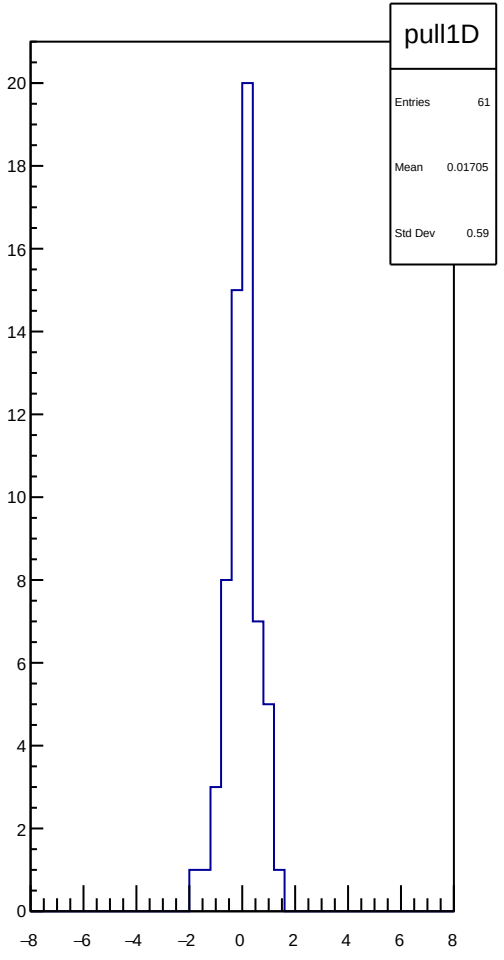

pull1D
Entries 61
Mean −0.01782
Std Dev 0.6499

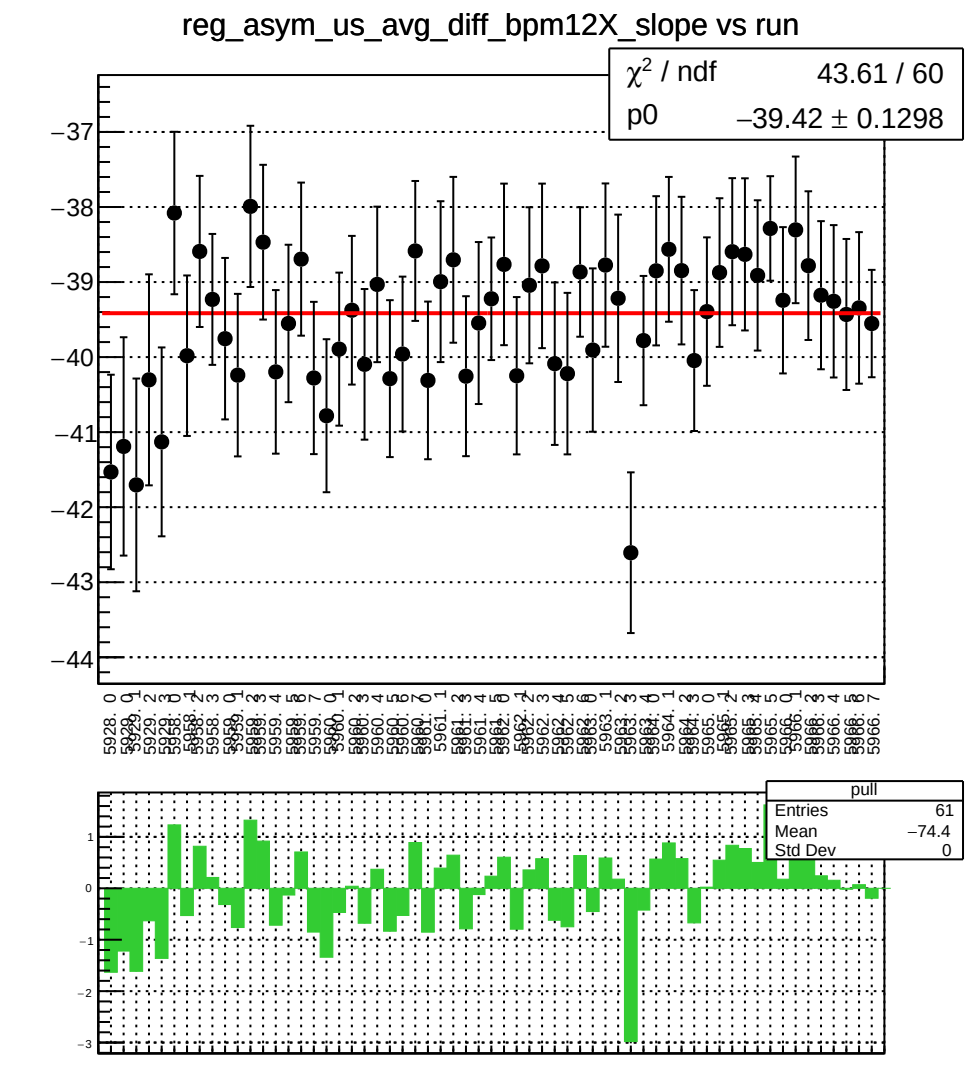

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.66 / 60
p0 3.918 ± 1.044
pull
Entries 61
Mean −85.04
Std Dev 0

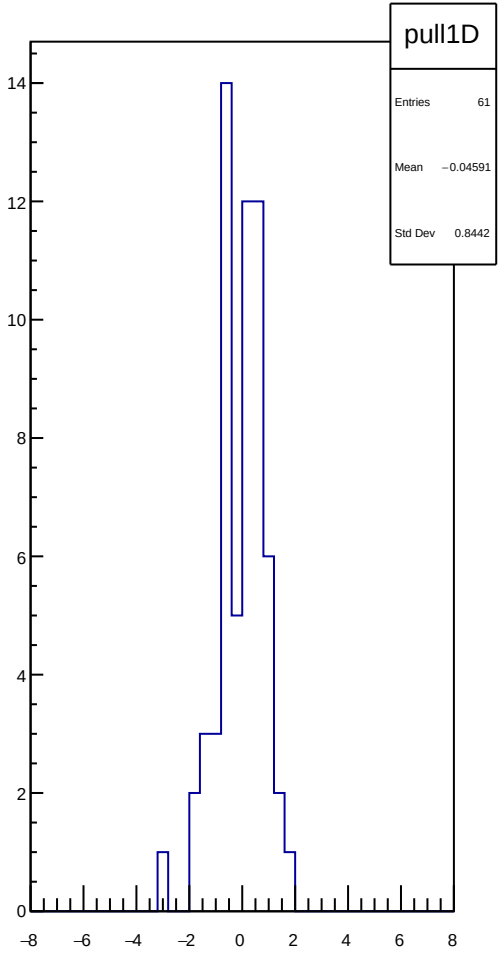

pull1D
Entries 61
Mean −0.01953
Std Dev 0.5817

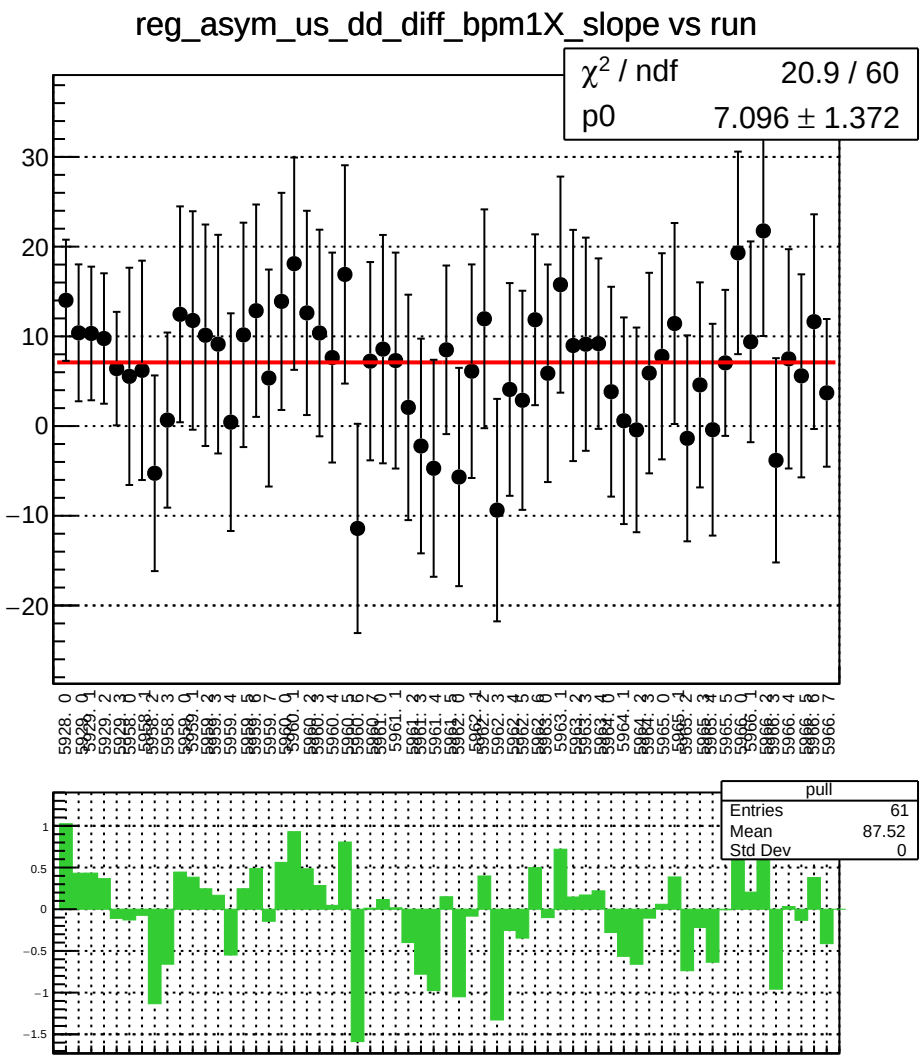

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.37 / 60
p0 86.96 ± 1.63
pull
Entries 61
Mean −43.94
Std Dev 0
pull1D
Entries 61
Mean 0.04394
Std Dev 0.7043

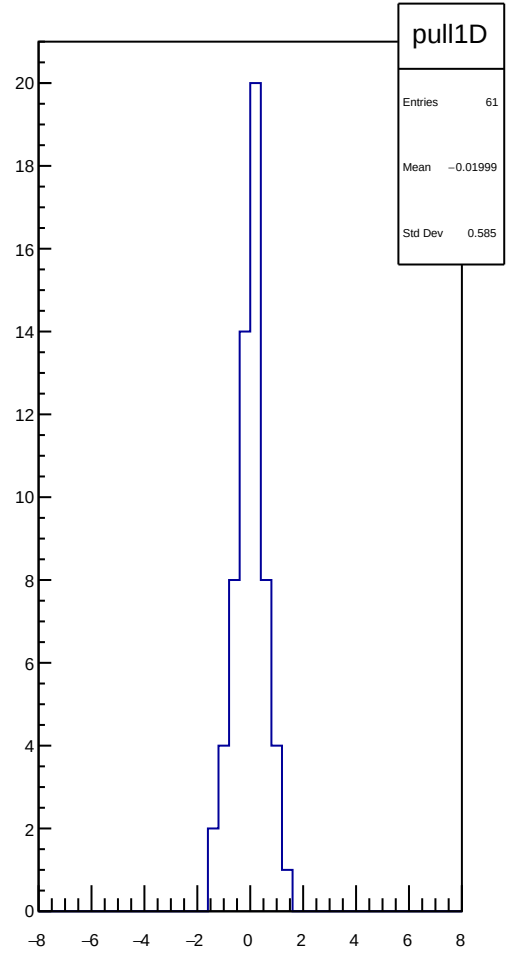

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.25 / 60
p0 13.9 ± 1.342
pull
Entries 61
Mean −134.5
Std Dev 0

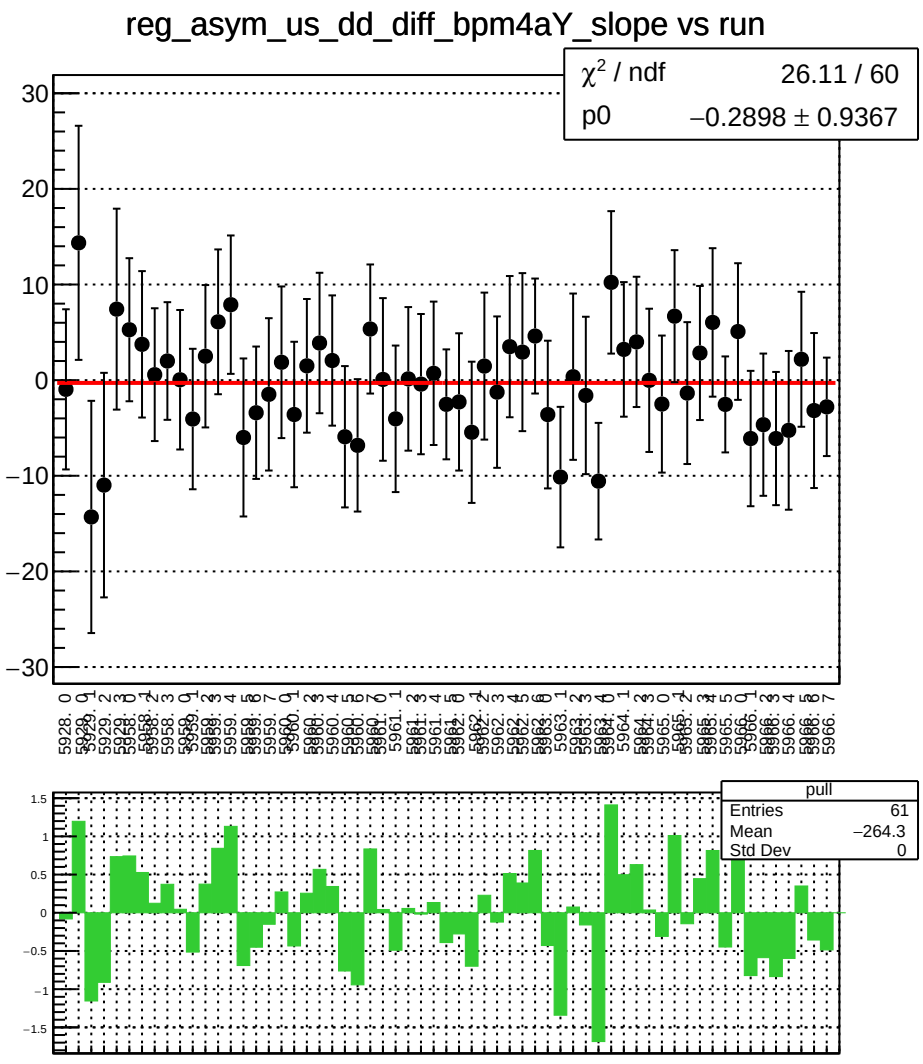

pull1D
Entries 61
Mean 0.01705
Std Dev 0.59

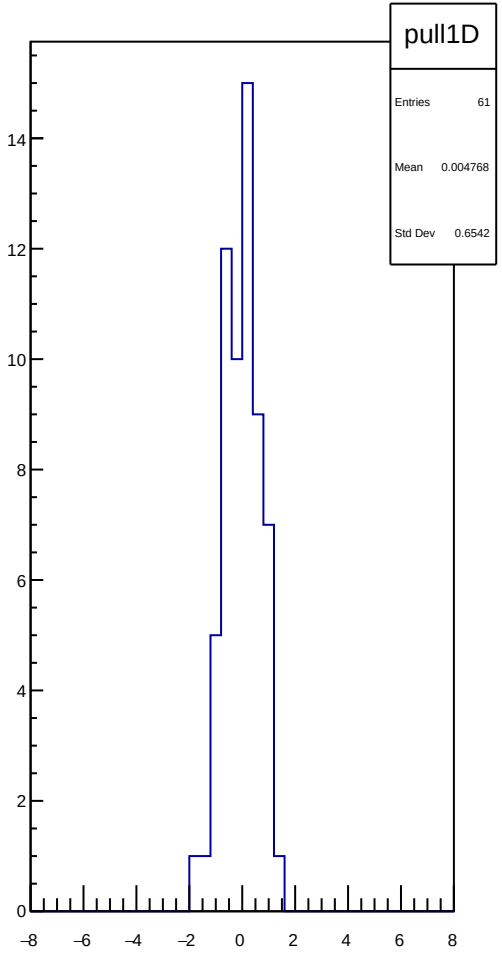

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 43.61 / 60
p0 −39.42 ± 0.1298
pull
Entries 61
Mean −74.4
Std Dev 0

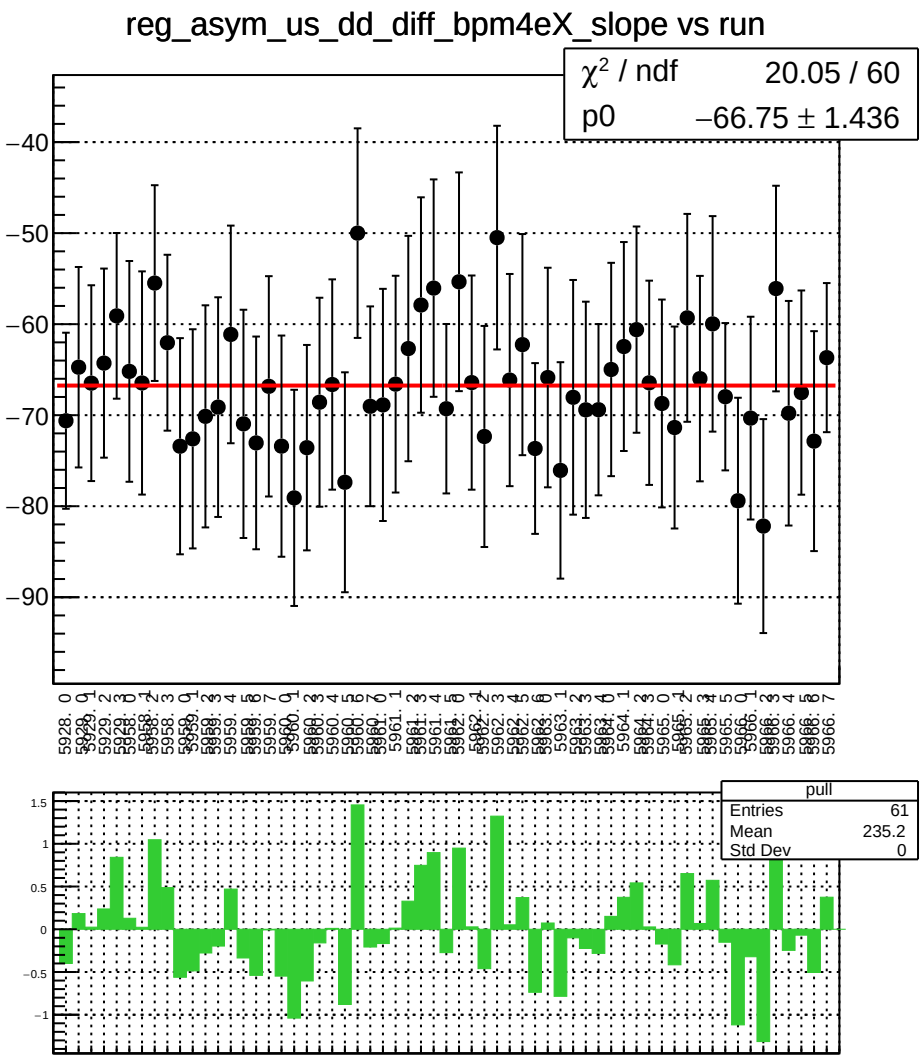

pull1D
Entries 61
Mean −0.04591
Std Dev 0.8442

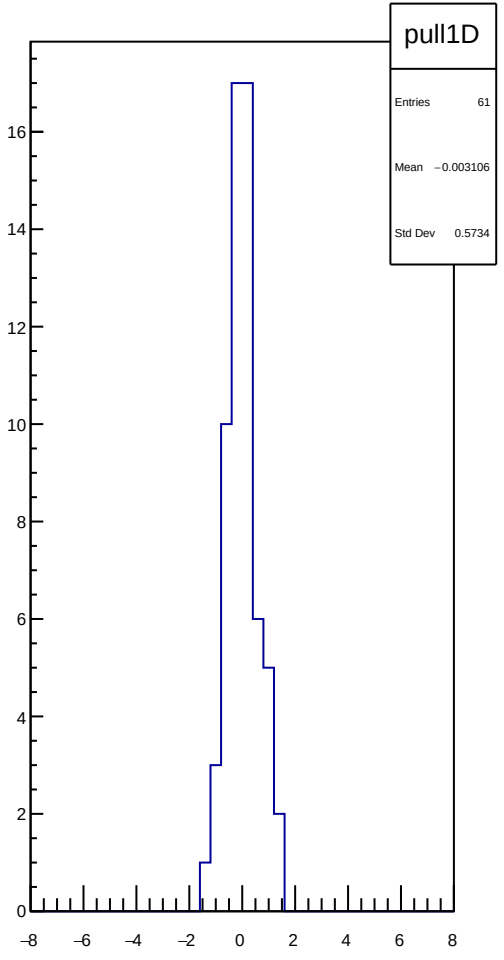

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 20.9 / 60
p0 7.096 ± 1.372
pull
Entries 61
Mean 87.52
Std Dev 0

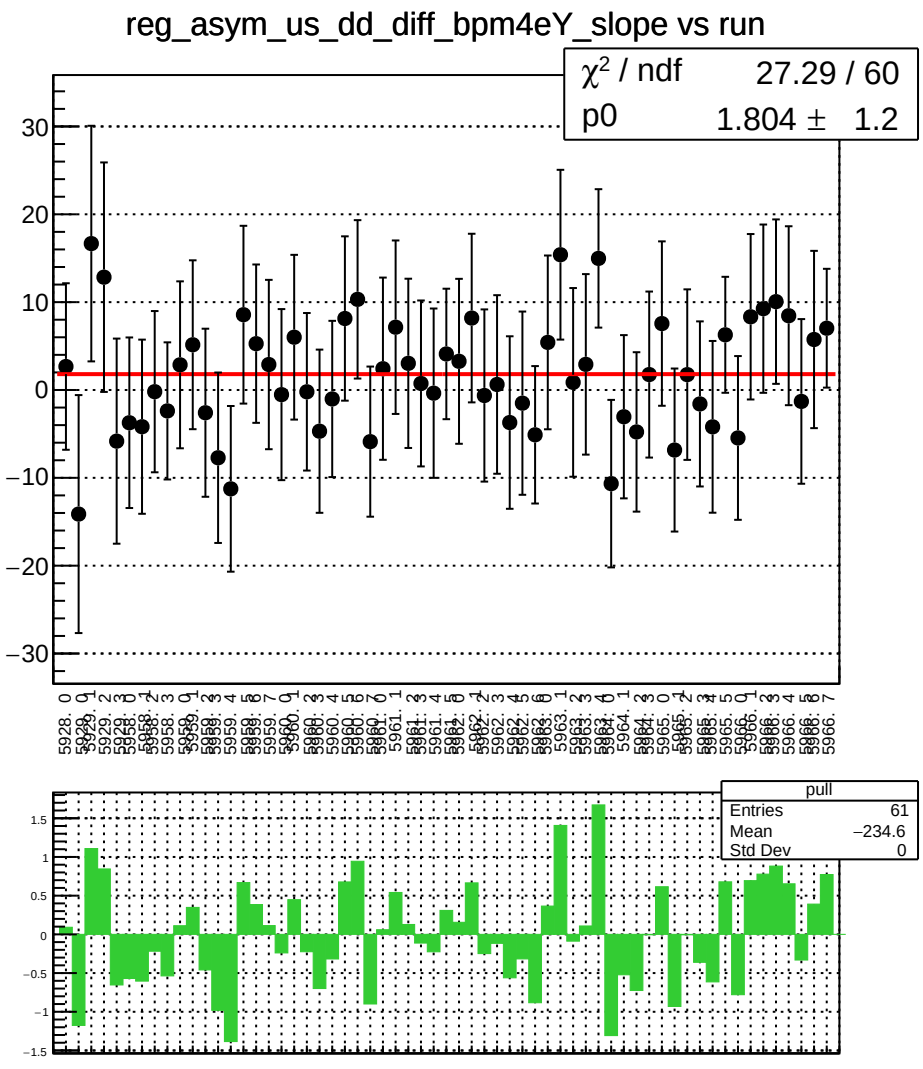

pull1D
Entries 61
Mean −0.01999
Std Dev 0.585

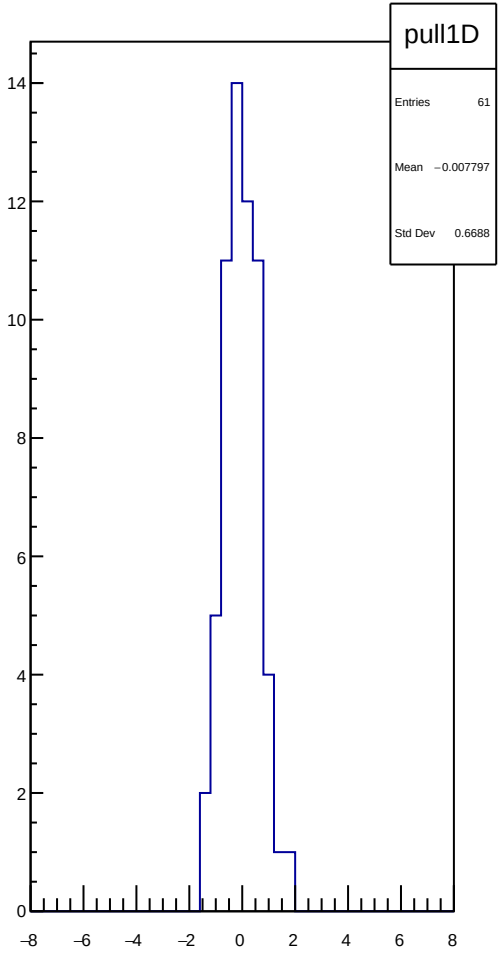

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.11 / 60
p0 −0.2898 ± 0.9367
pull
Entries 61
Mean −264.3
Std Dev 0

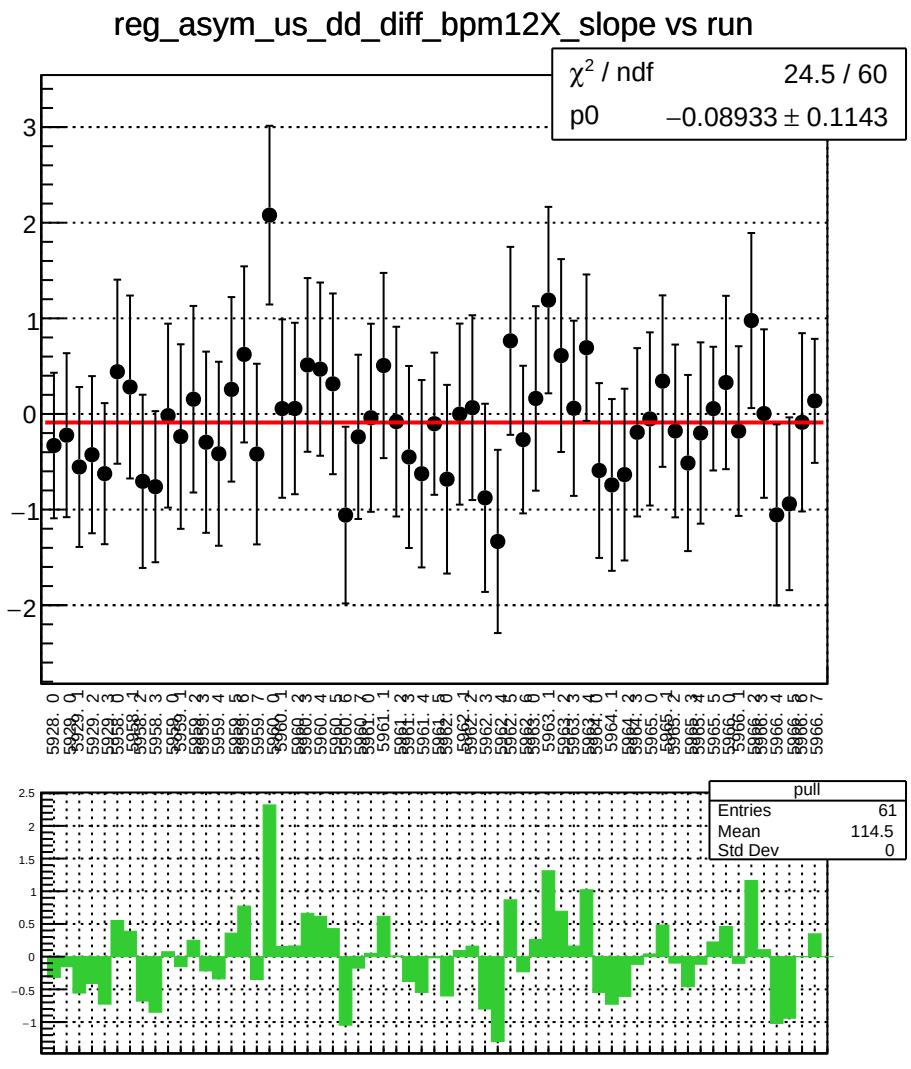

pull1D
Entries 61
Mean 0.004768
Std Dev 0.6542

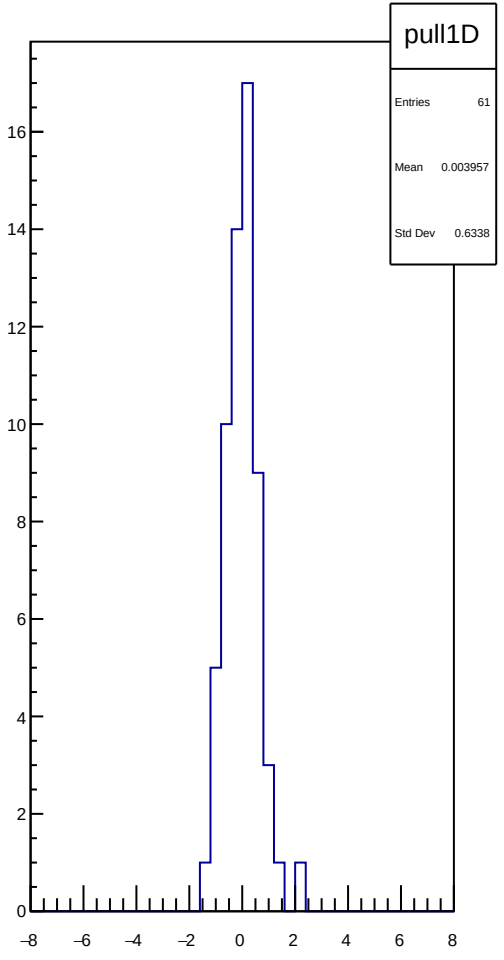

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.05 / 60
p0 −66.75 ± 1.436
pull
Entries 61
Mean 235.2
Std Dev 0

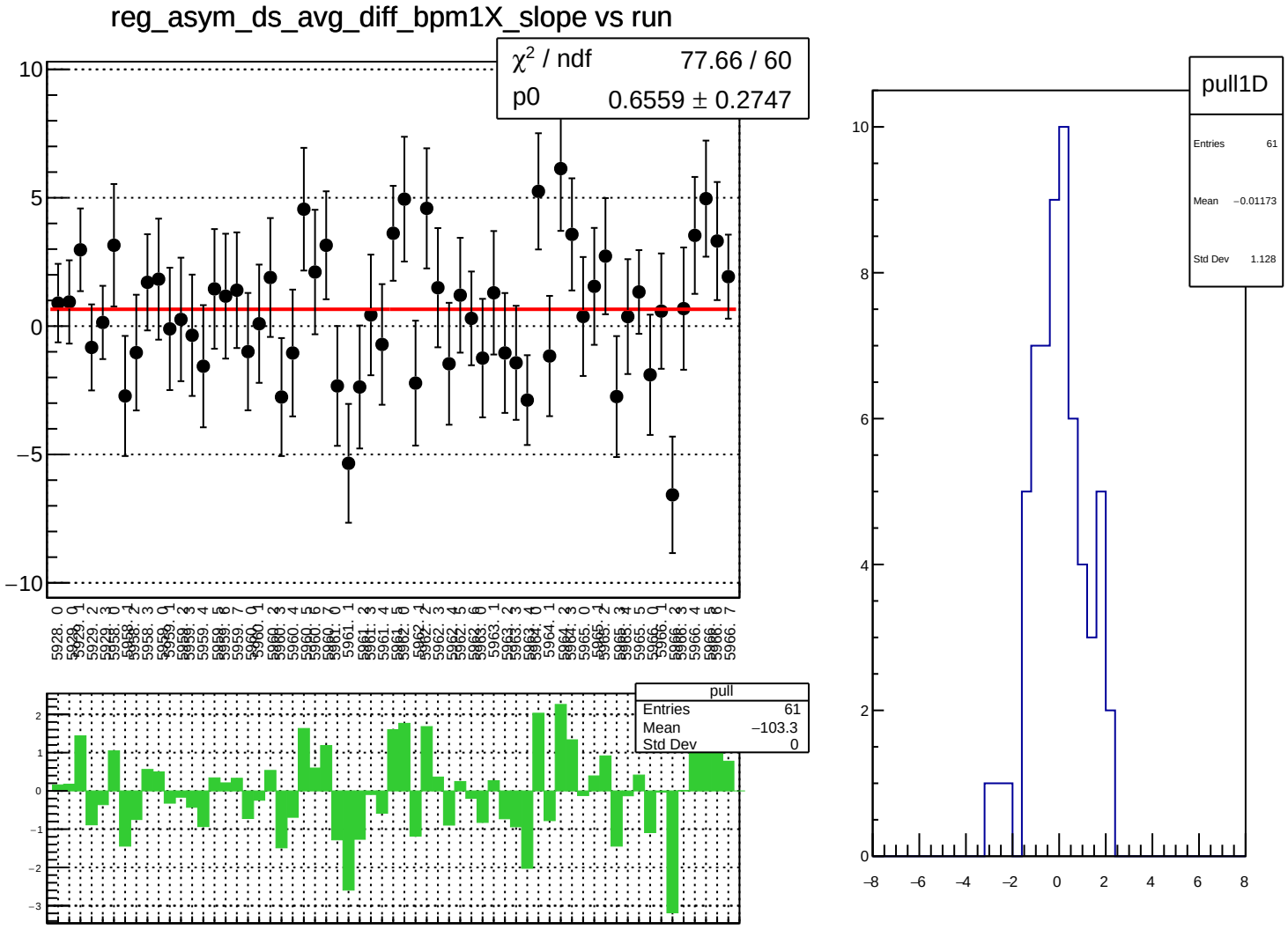

pull1D
Entries 61
Mean −0.003106
Std Dev 0.5734

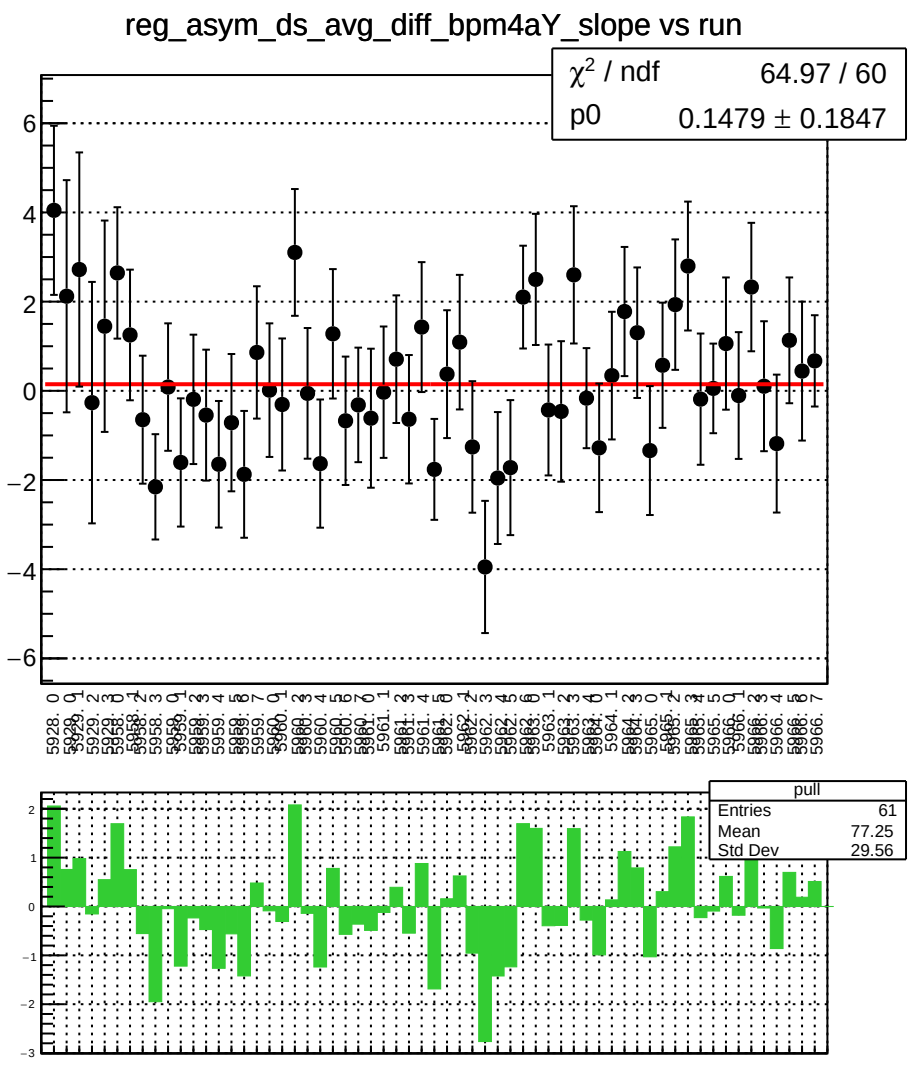

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.29 / 60
p0 1.804 ± 1.2
pull
Entries 61
Mean −234.6
Std Dev 0

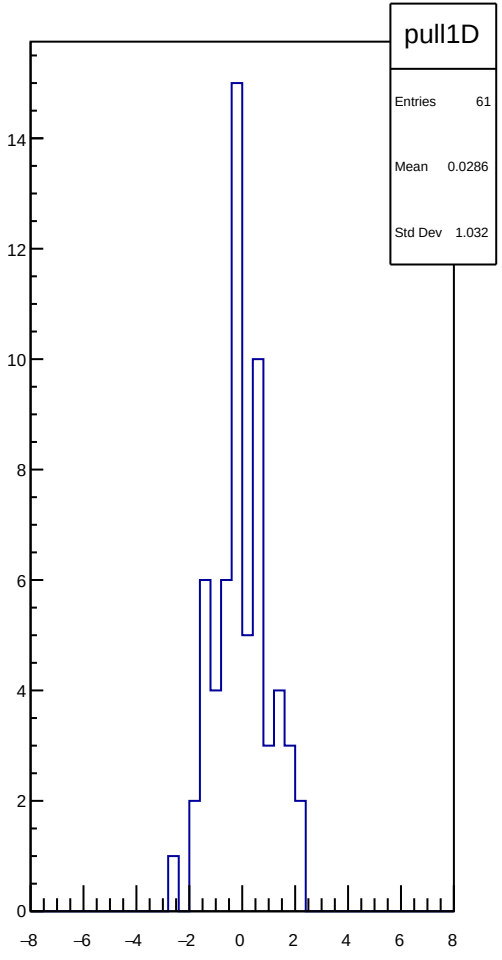

pull1D
Entries 61
Mean −0.007797
Std Dev 0.6688

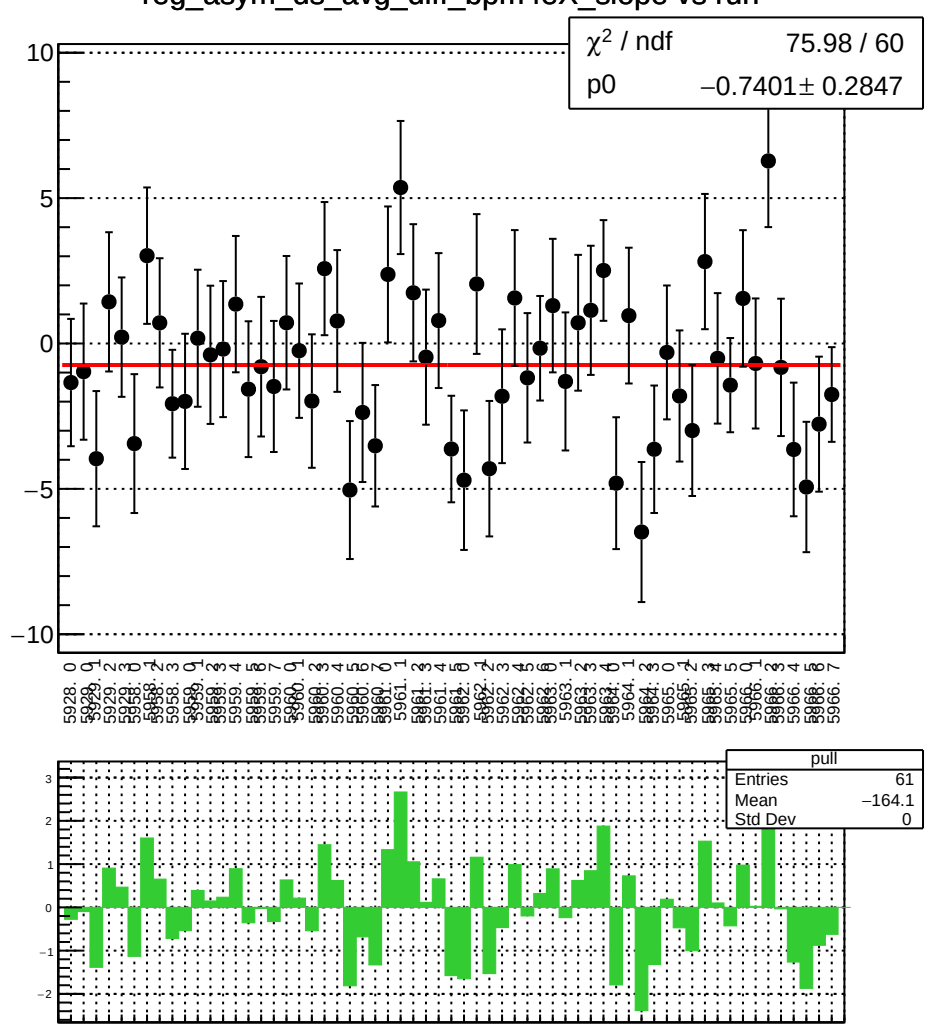

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 24.5 / 60
p0 −0.08933 ± 0.1143
pull
Entries 61
Mean 114.5
Std Dev 0

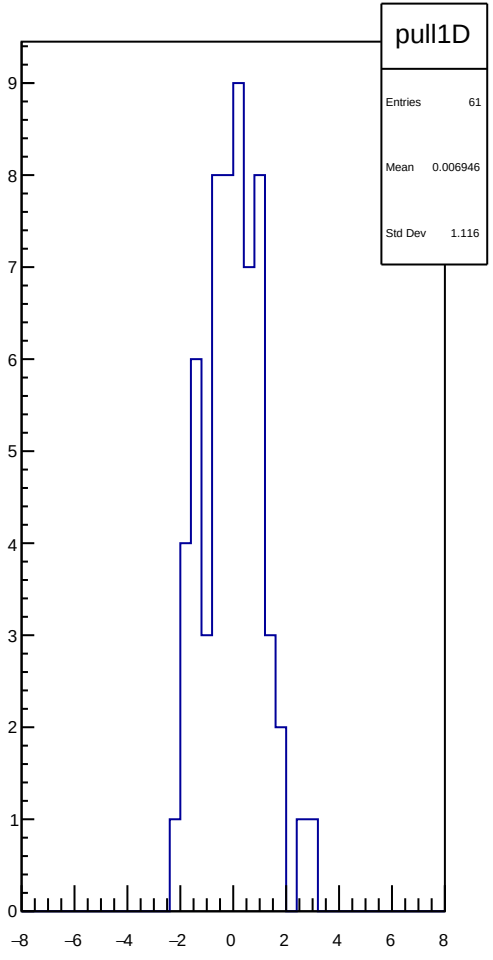

pull1D
Entries 61
Mean 0.003957
Std Dev 0.6338

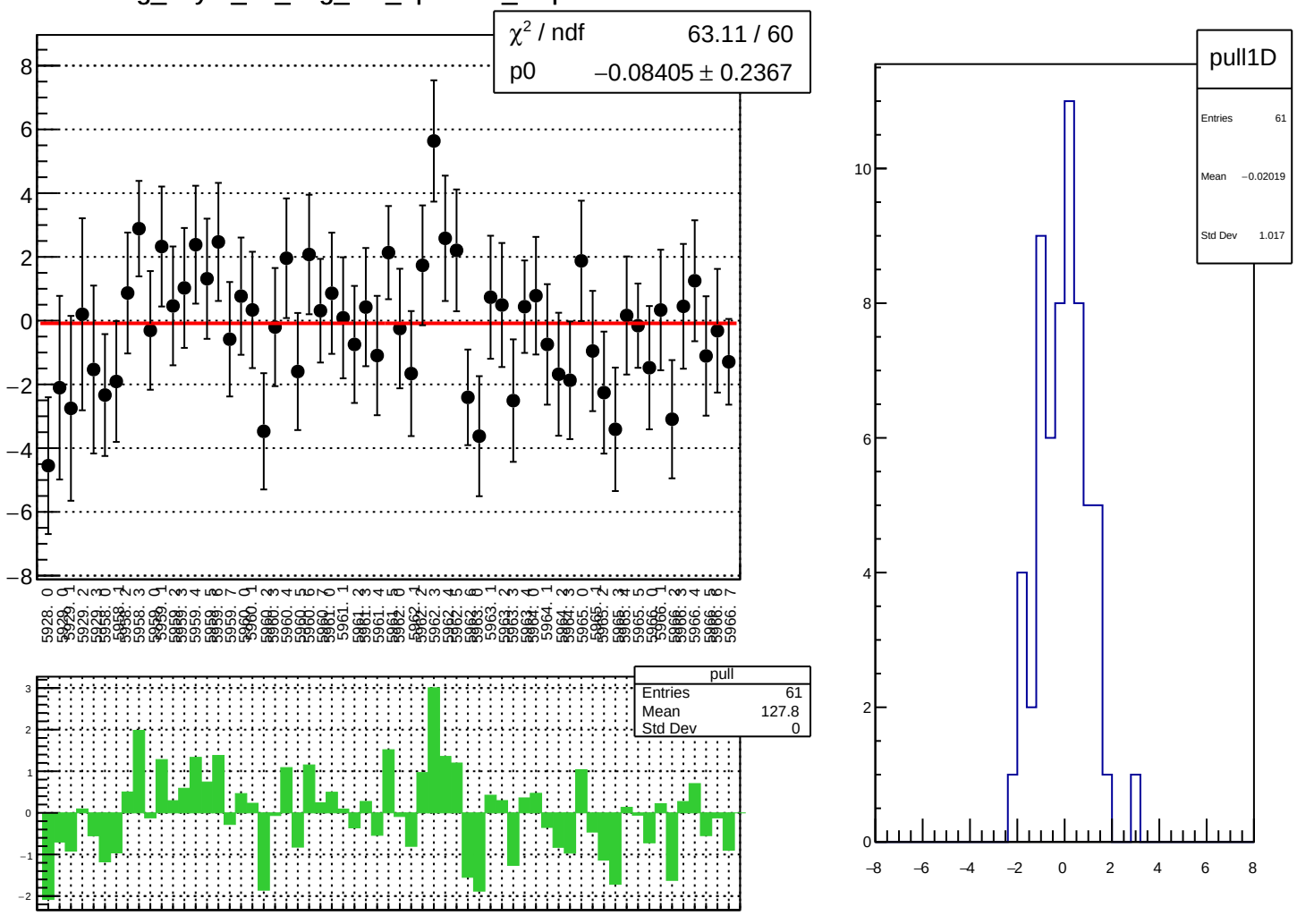

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 77.66 / 60
p0 0.6559 ± 0.2747
pull
Entries 61
Mean −103.3
Std Dev 0
pull1D
Entries 61
Mean −0.01173
Std Dev 1.128

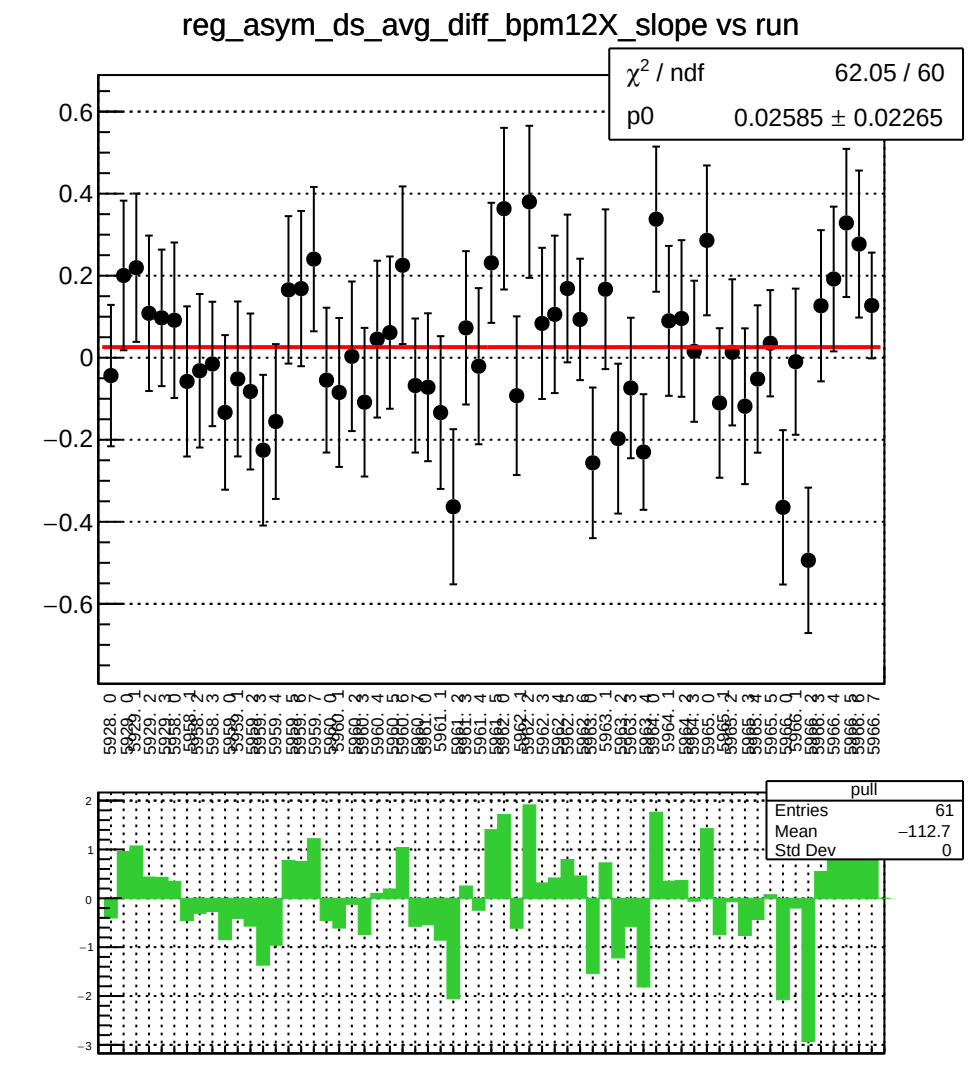

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.97 / 60
p0 0.1479 ± 0.1847
pull
Entries 61
Mean 77.25
Std Dev 29.56

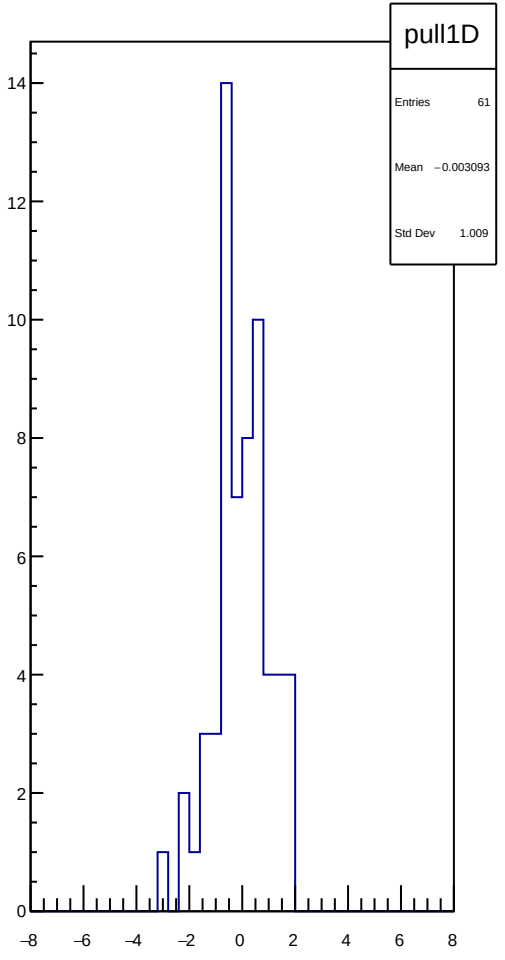

pull1D
Entries 61
Mean 0.0286
Std Dev 1.032

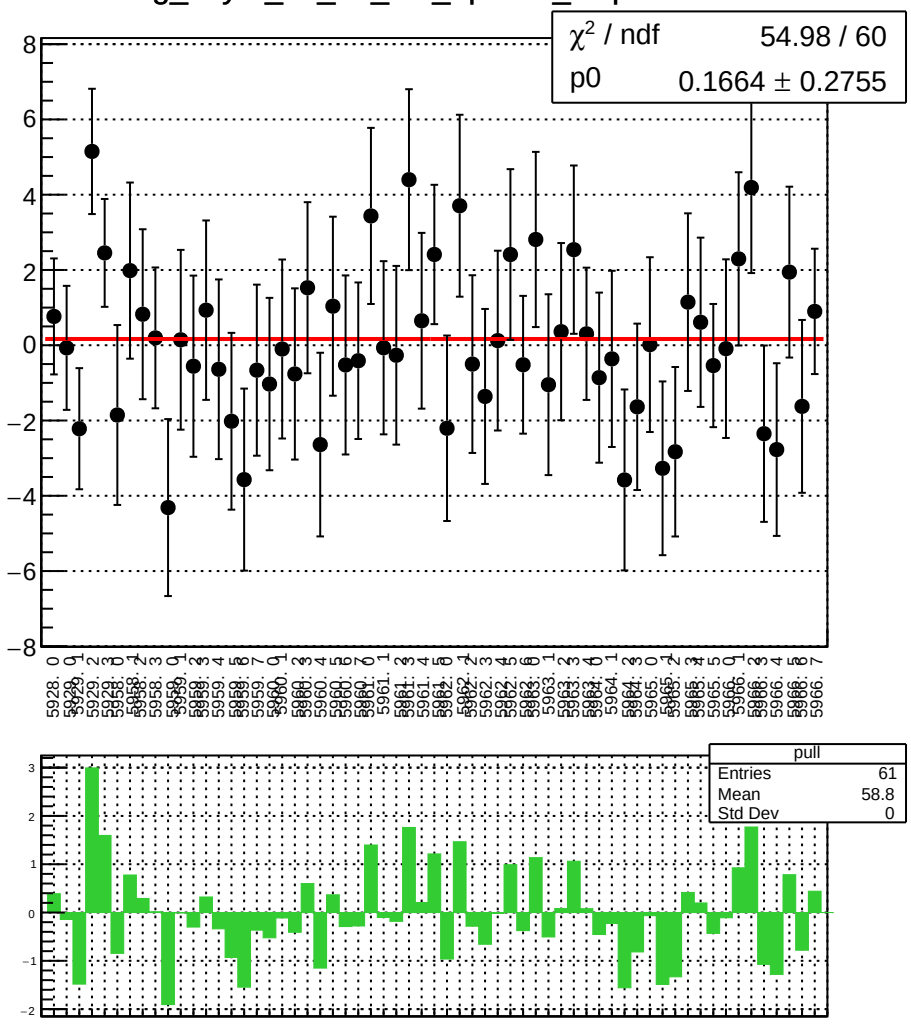

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.98 / 60
p0 −0.7401± 0.2847
pull
Entries 61
Mean −164.1
Std Dev 0

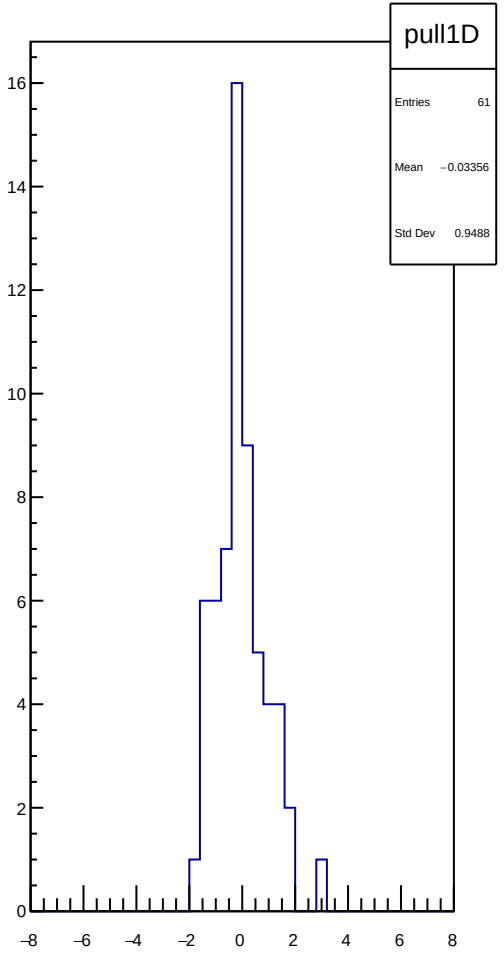

pull1D
Entries 61
Mean 0.006946
Std Dev 1.116

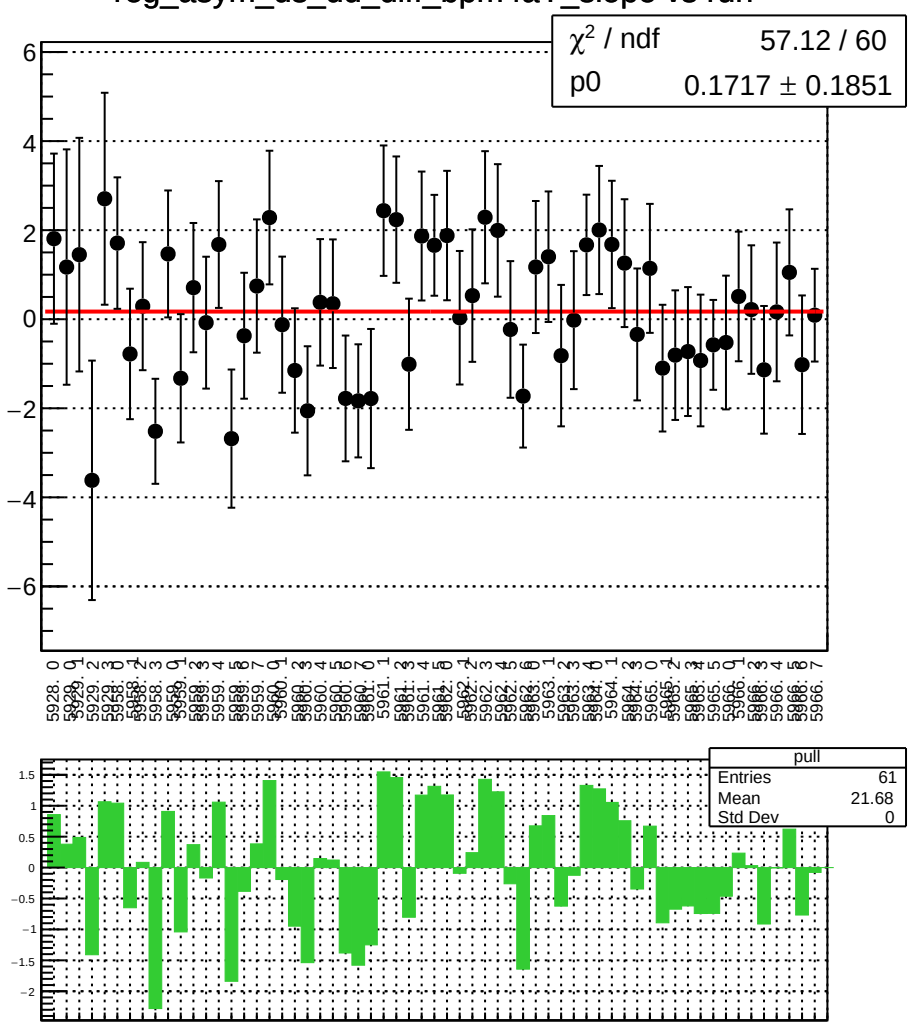

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.11 / 60
p0 −0.08405 ± 0.2367
pull
Entries 61
Mean 127.8
Std Dev 0
pull1D
Entries 61
Mean −0.02019
Std Dev 1.017

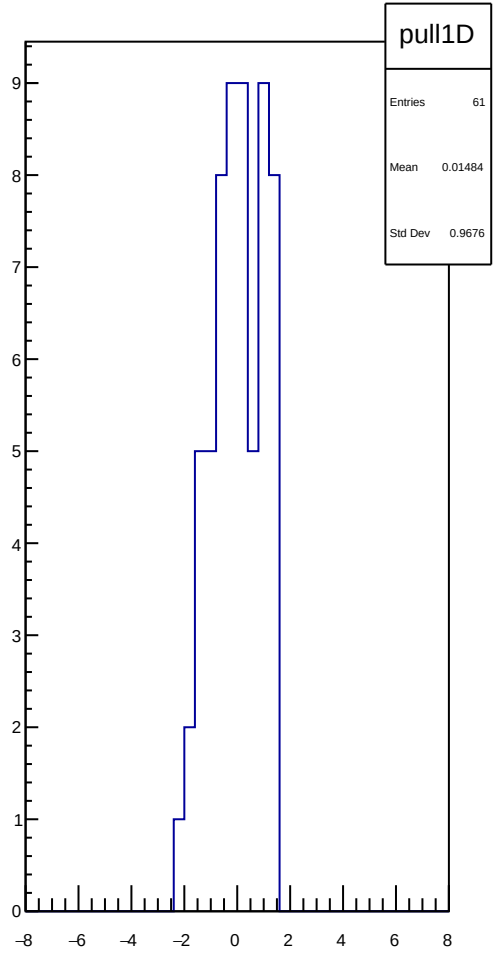

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 62.05 / 60
p0 0.02585 ± 0.02265
pull
Entries 61
Mean −112.7
Std Dev 0

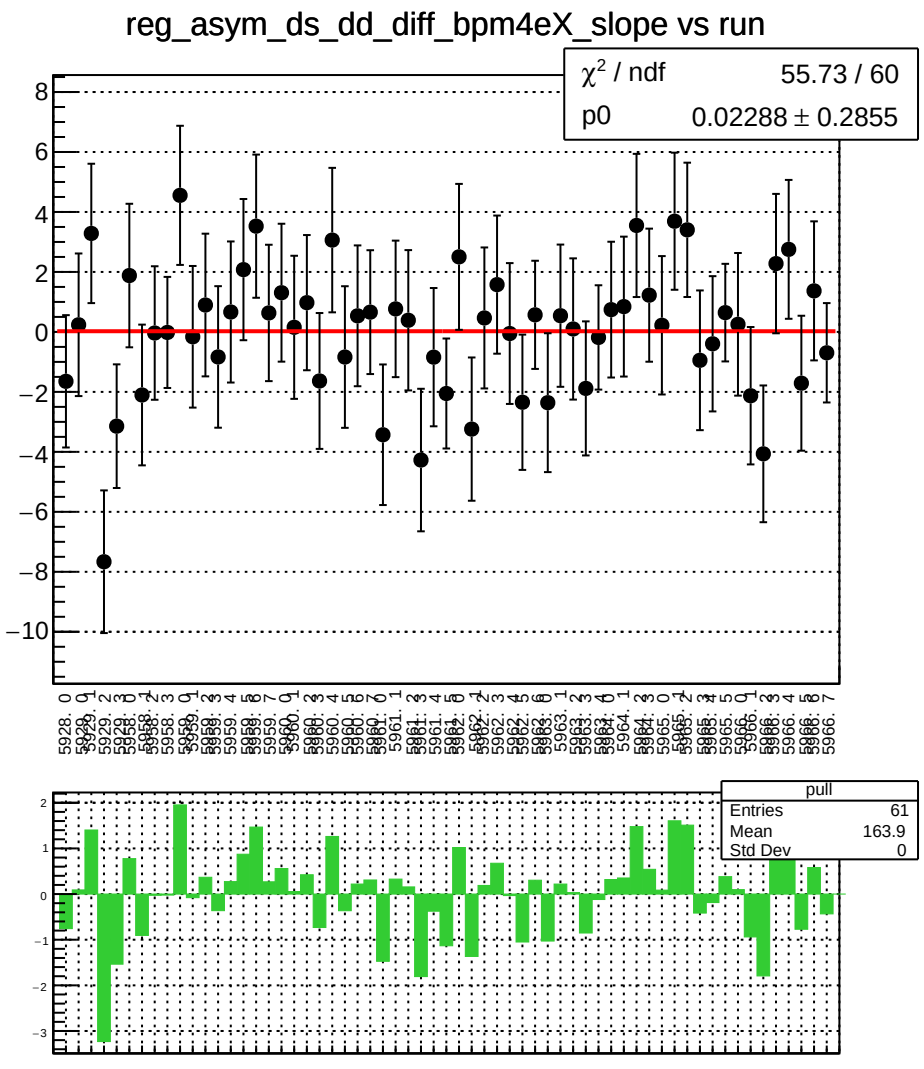

pull1D
Entries 61
Mean −0.003093
Std Dev 1.009

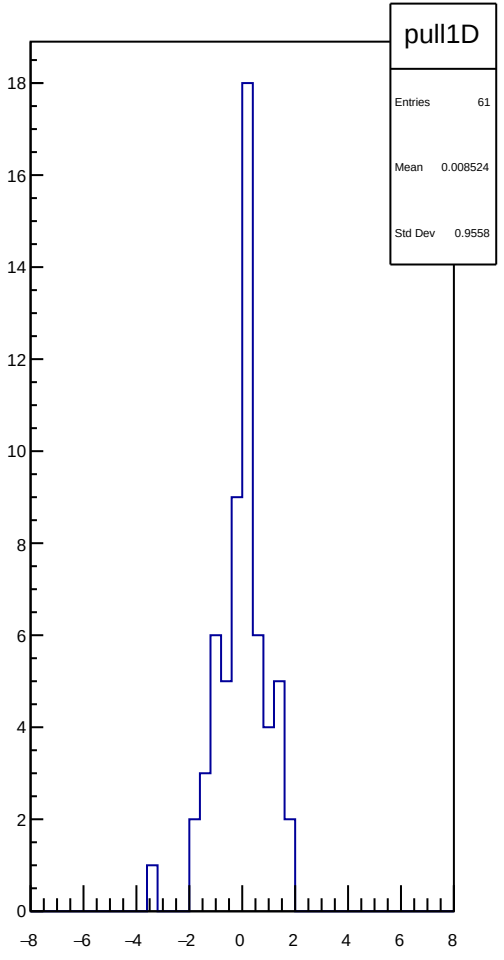

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 54.98 / 60
p0 0.1664 ± 0.2755
pull
Entries 61
Mean 58.8
Std Dev 0

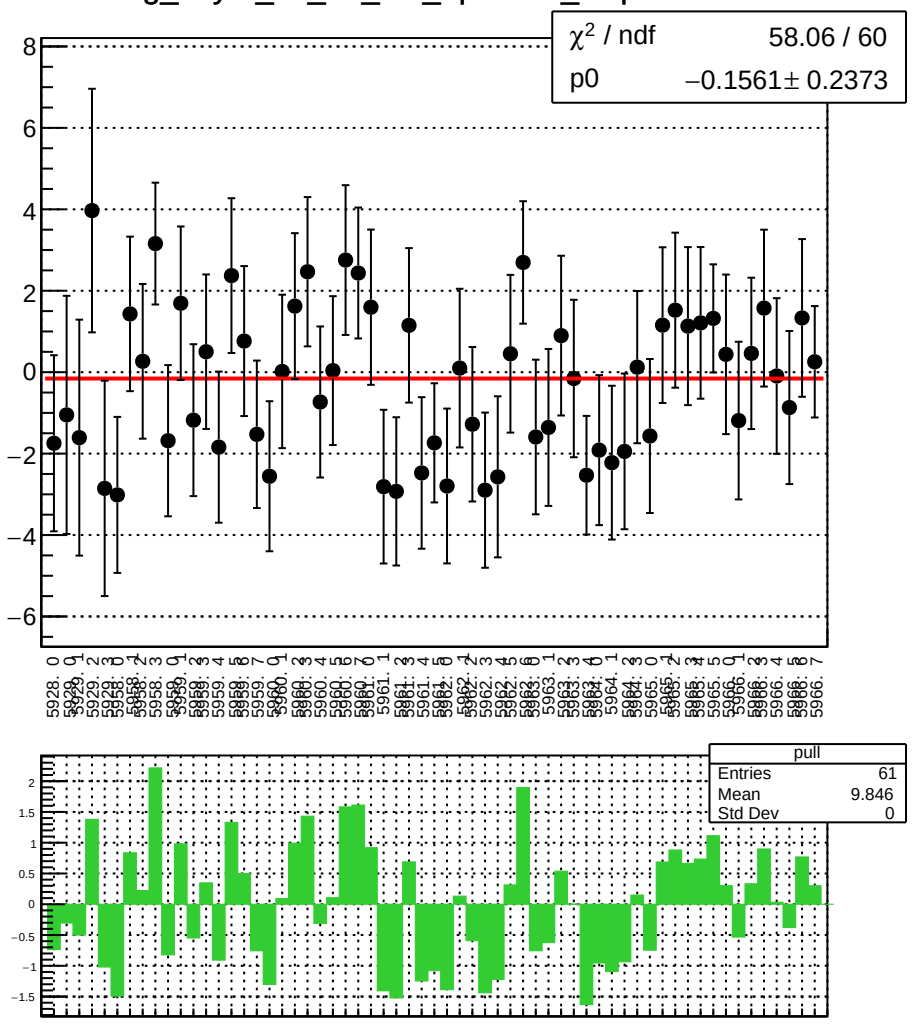

pull1D
Entries 61
Mean −0.03356
Std Dev 0.9488

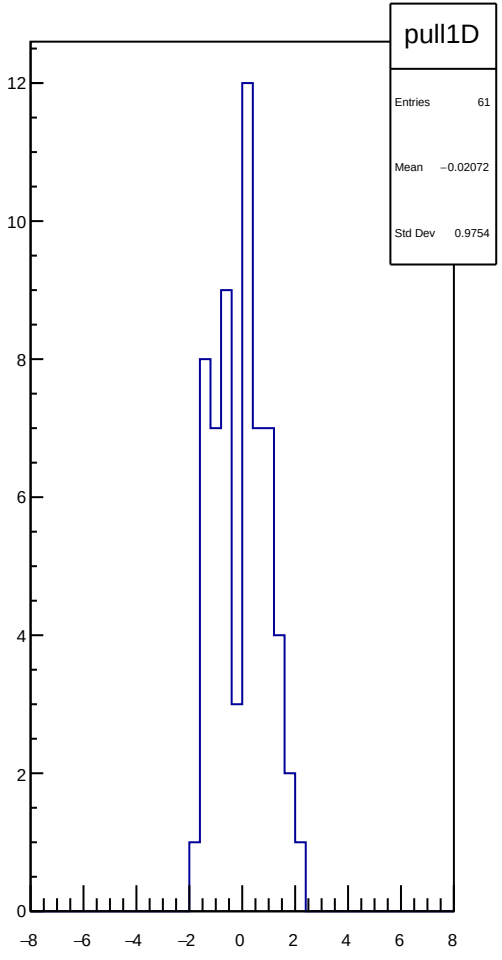

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.12 / 60
p0 0.1717 ± 0.1851
pull
Entries 61
Mean 21.68
Std Dev 0

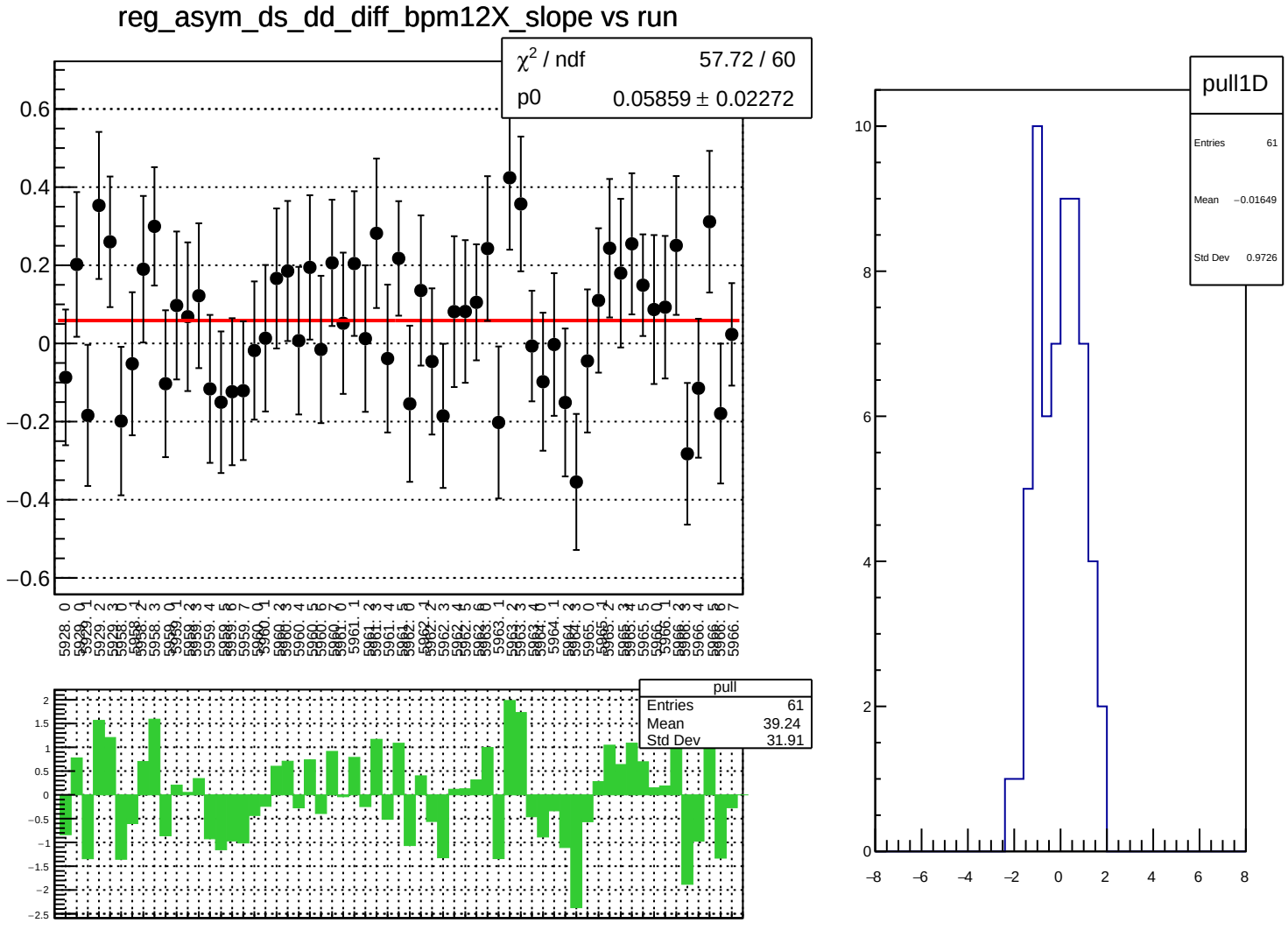

pull1D
Entries 61
Mean 0.01484
Std Dev 0.9676

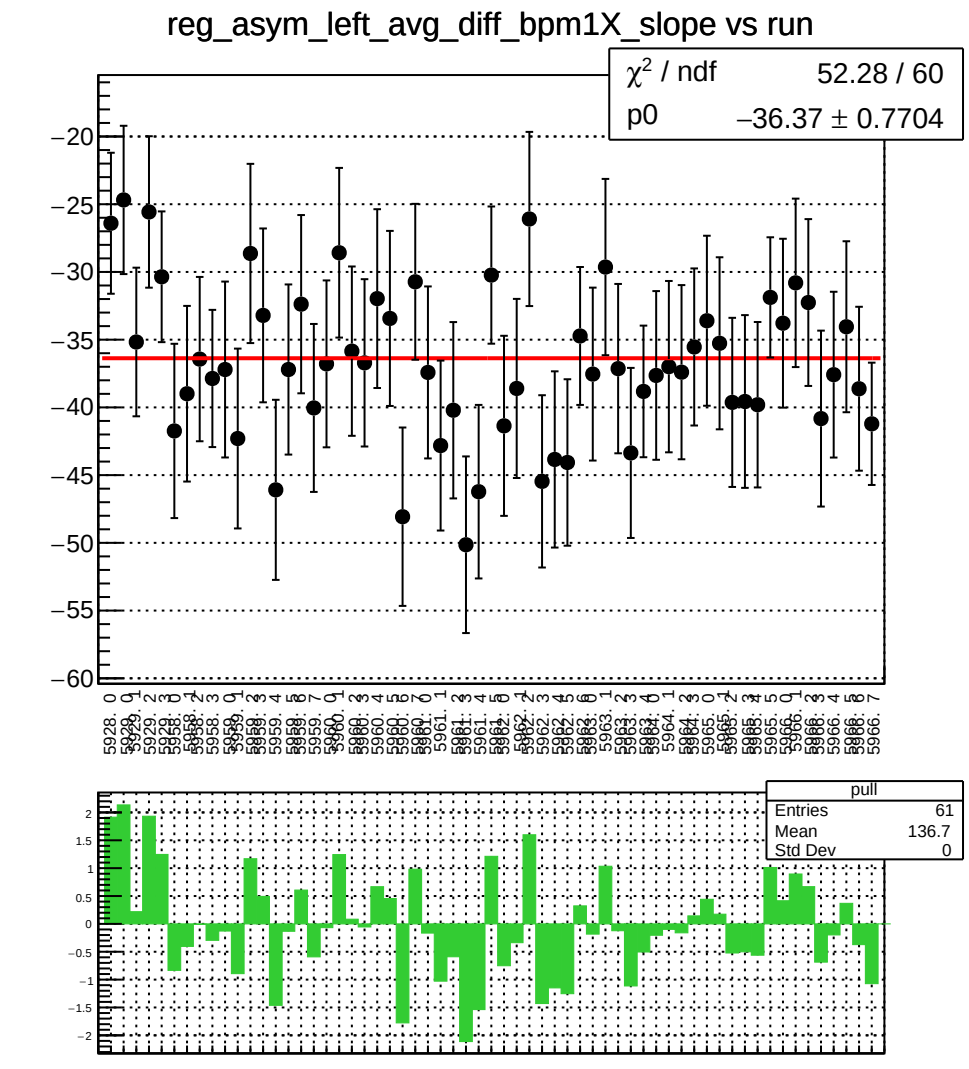

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.73 / 60
p0 0.02288 ± 0.2855
pull
Entries 61
Mean 163.9
Std Dev 0

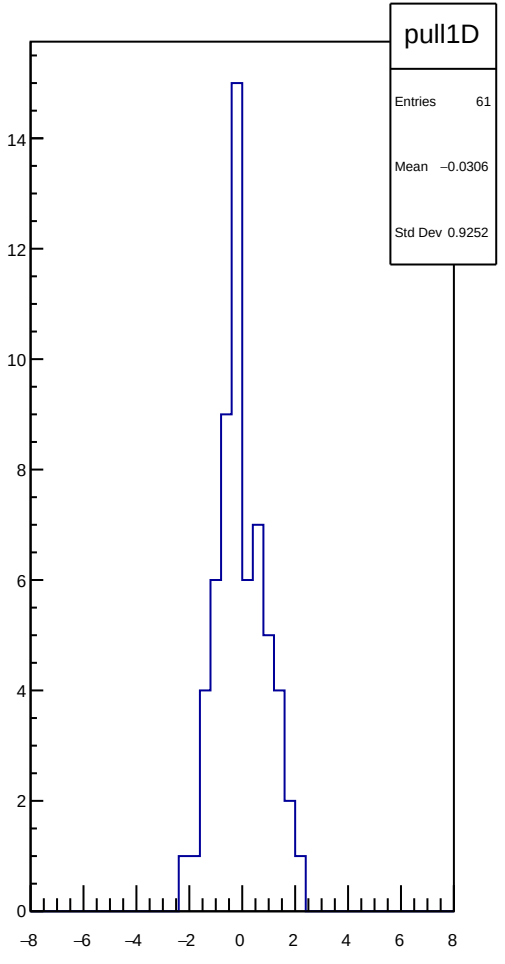

pull1D
Entries 61
Mean 0.008524
Std Dev 0.9558

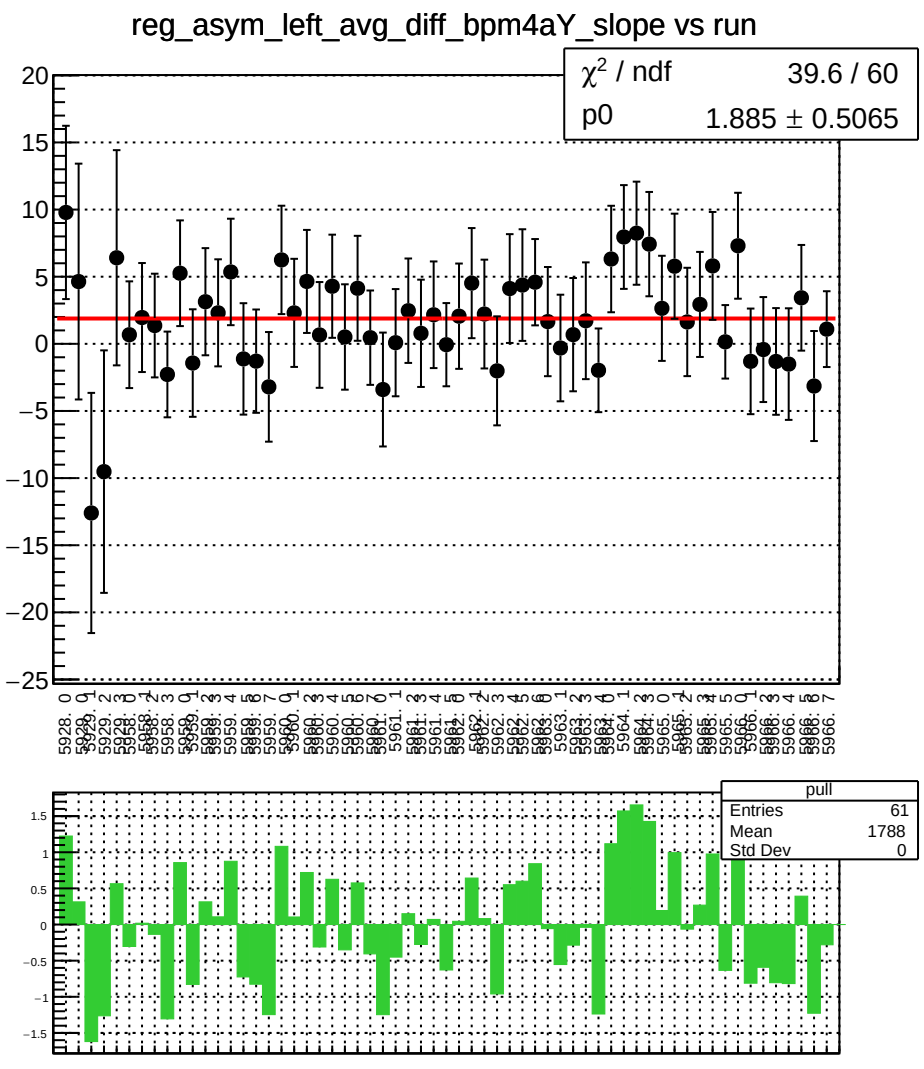

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.06 / 60
p0 −0.1561± 0.2373
pull
Entries 61
Mean 9.846
Std Dev 0

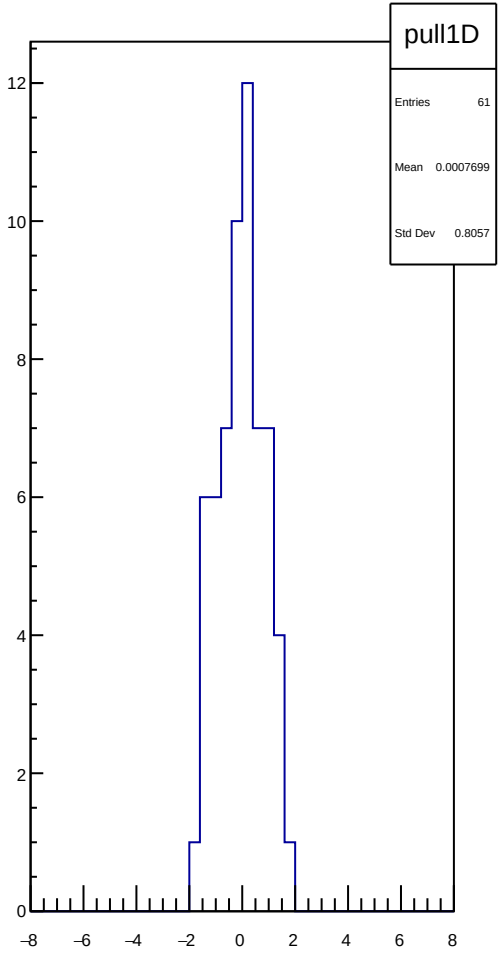

pull1D
Entries 61
Mean −0.02072
Std Dev 0.9754

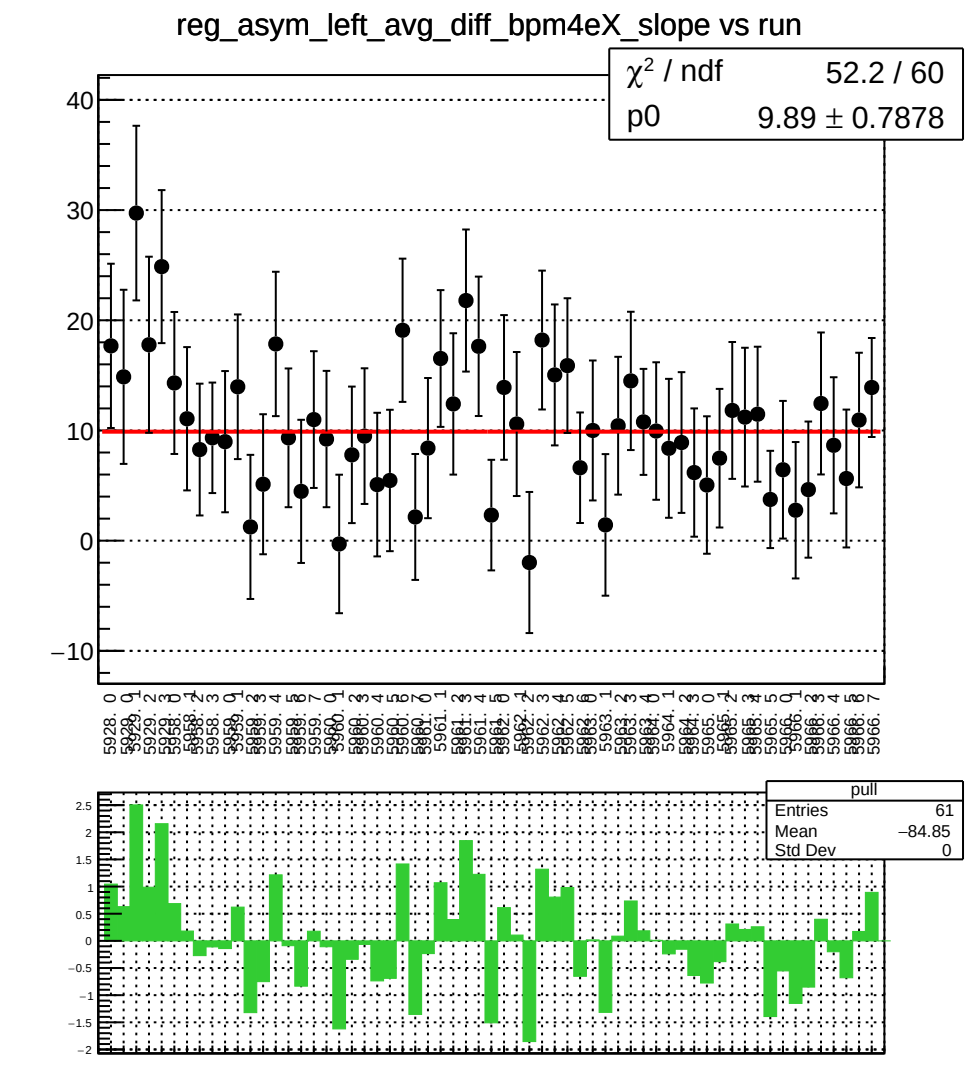

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 57.72 / 60
p0 0.05859 ± 0.02272
pull
Entries 61
Mean 39.24
Std Dev 31.91
pull1D
Entries 61
Mean −0.01649
Std Dev 0.9726

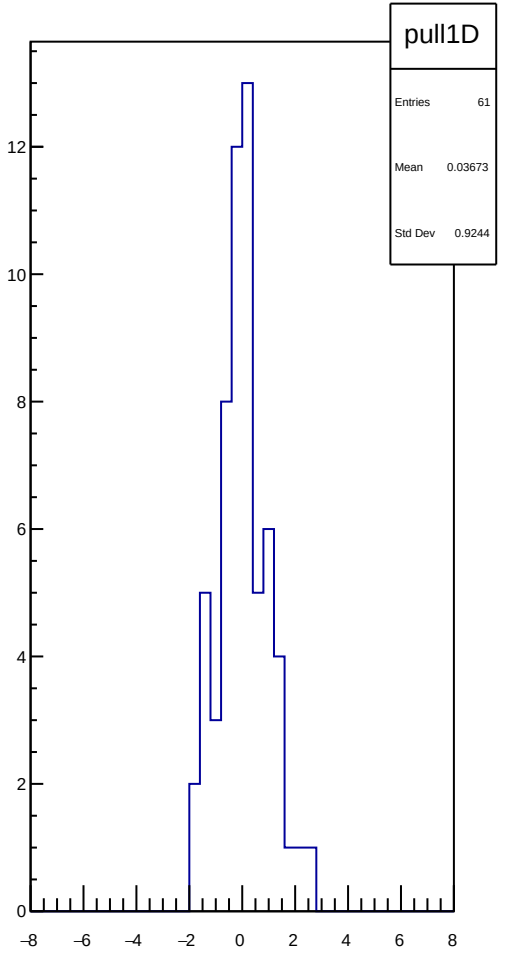

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 52.28 / 60
p0 −36.37 ± 0.7704
pull
Entries 61
Mean 136.7
Std Dev 0

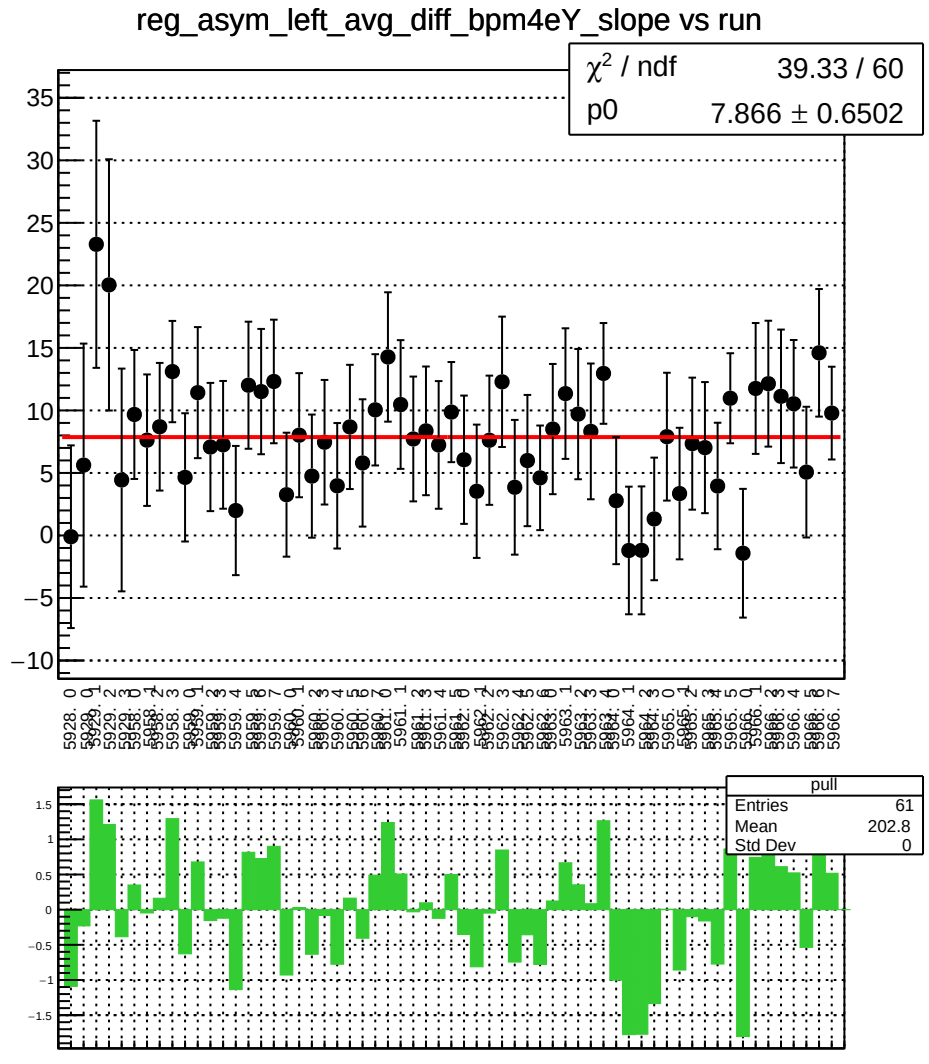

pull1D
Entries 61
Mean −0.0306
Std Dev 0.9252

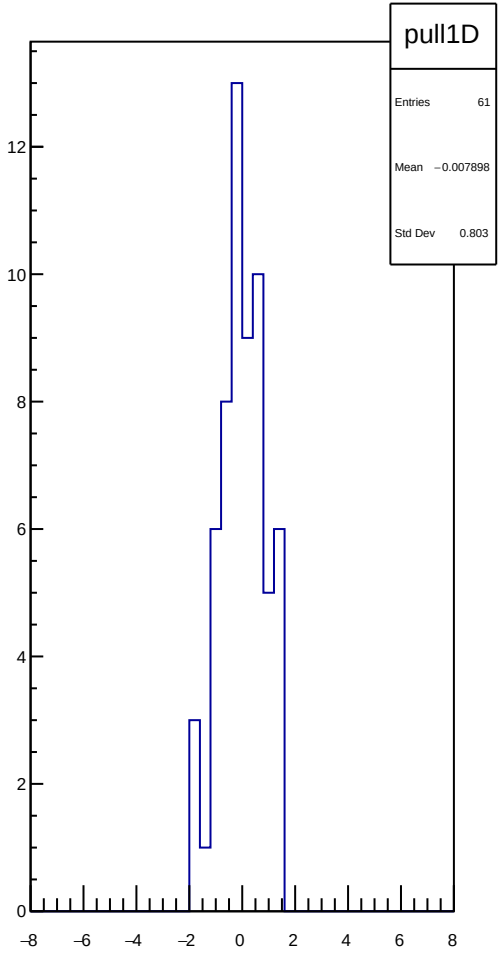

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.6 / 60
p0 1.885 ± 0.5065
pull
Entries 61
Mean 1788
Std Dev 0

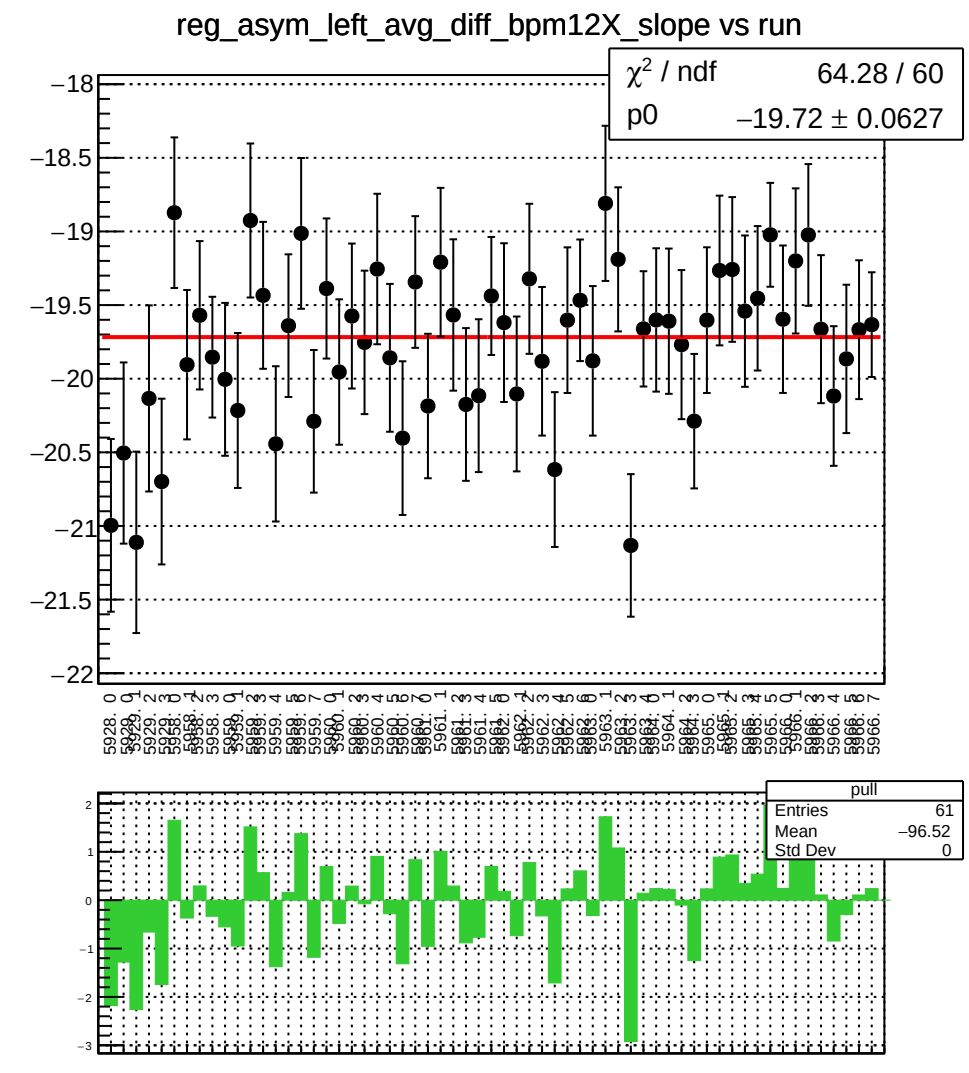

pull1D
Entries 61
Mean 0.0007699
Std Dev 0.8057

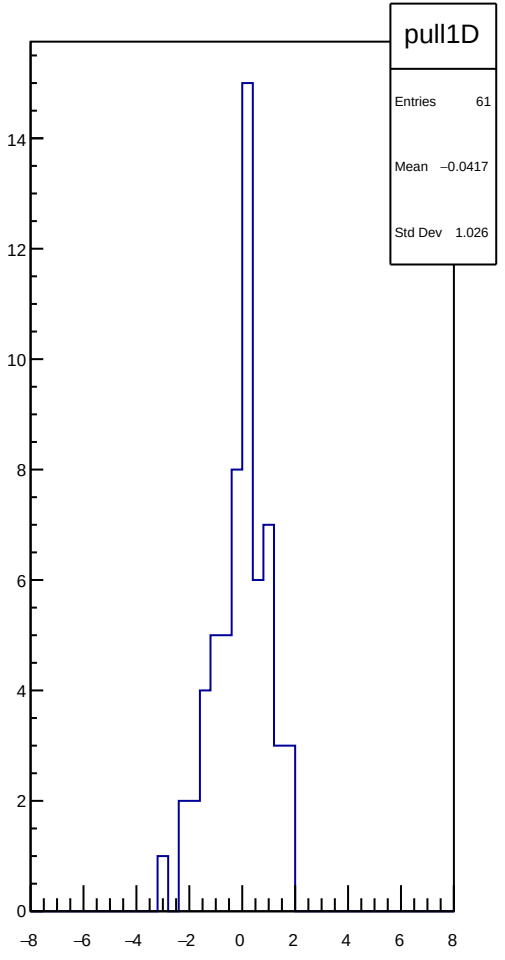

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.2 / 60
p0 9.89 ± 0.7878
pull
Entries 61
Mean −84.85
Std Dev 0

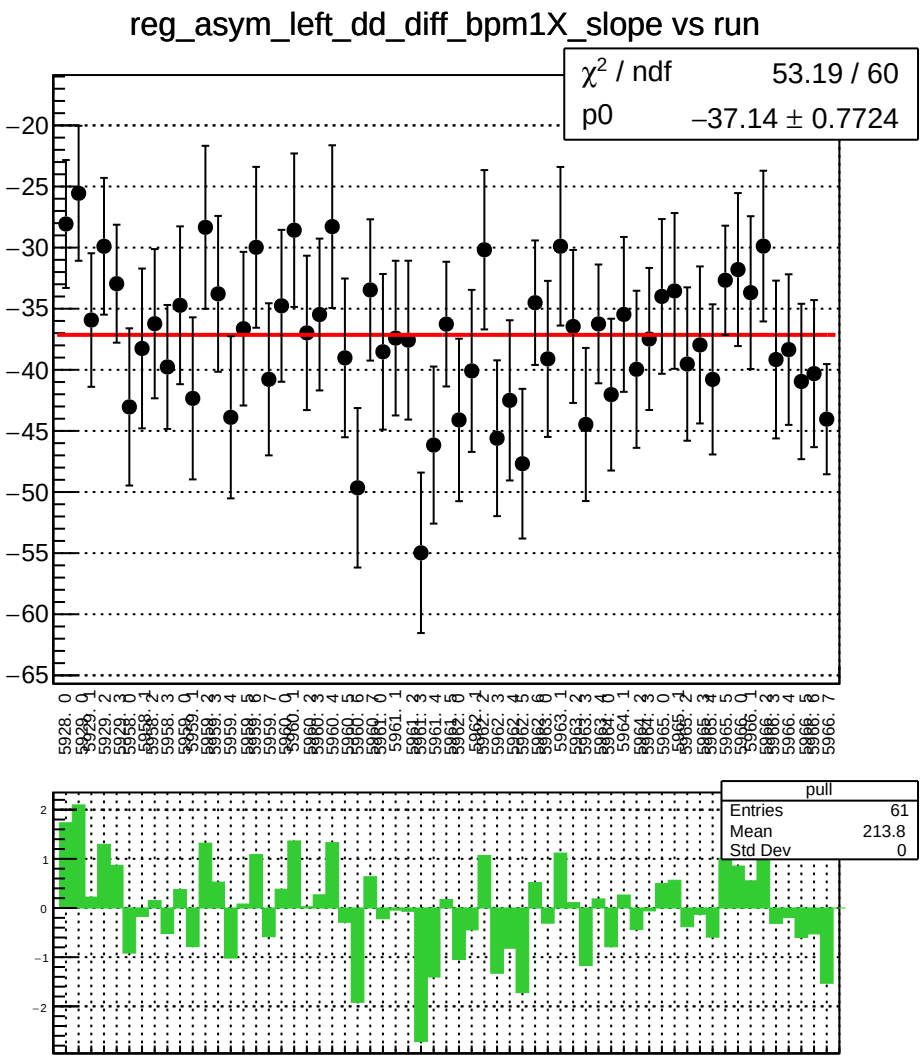

pull1D
Entries 61
Mean 0.03673
Std Dev 0.9244

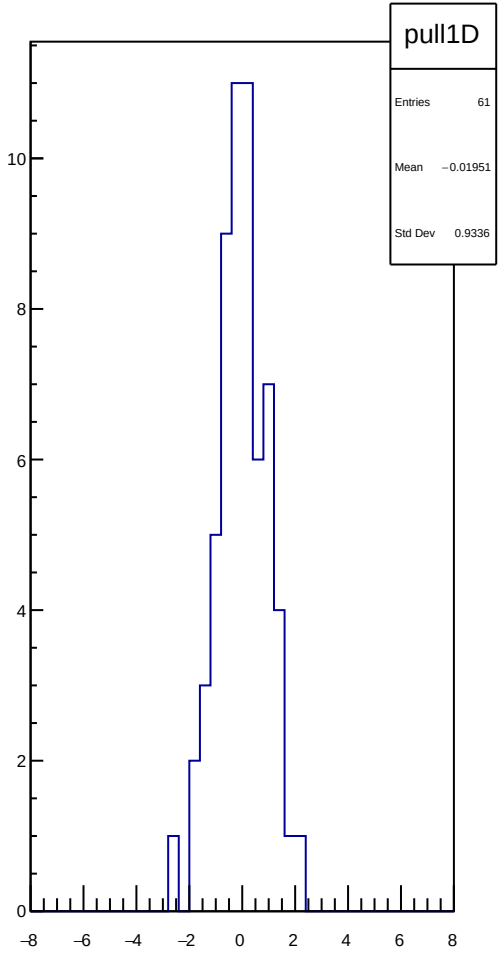

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.33 / 60
p0 7.866 ± 0.6502
pull
Entries 61
Mean 202.8
Std Dev 0

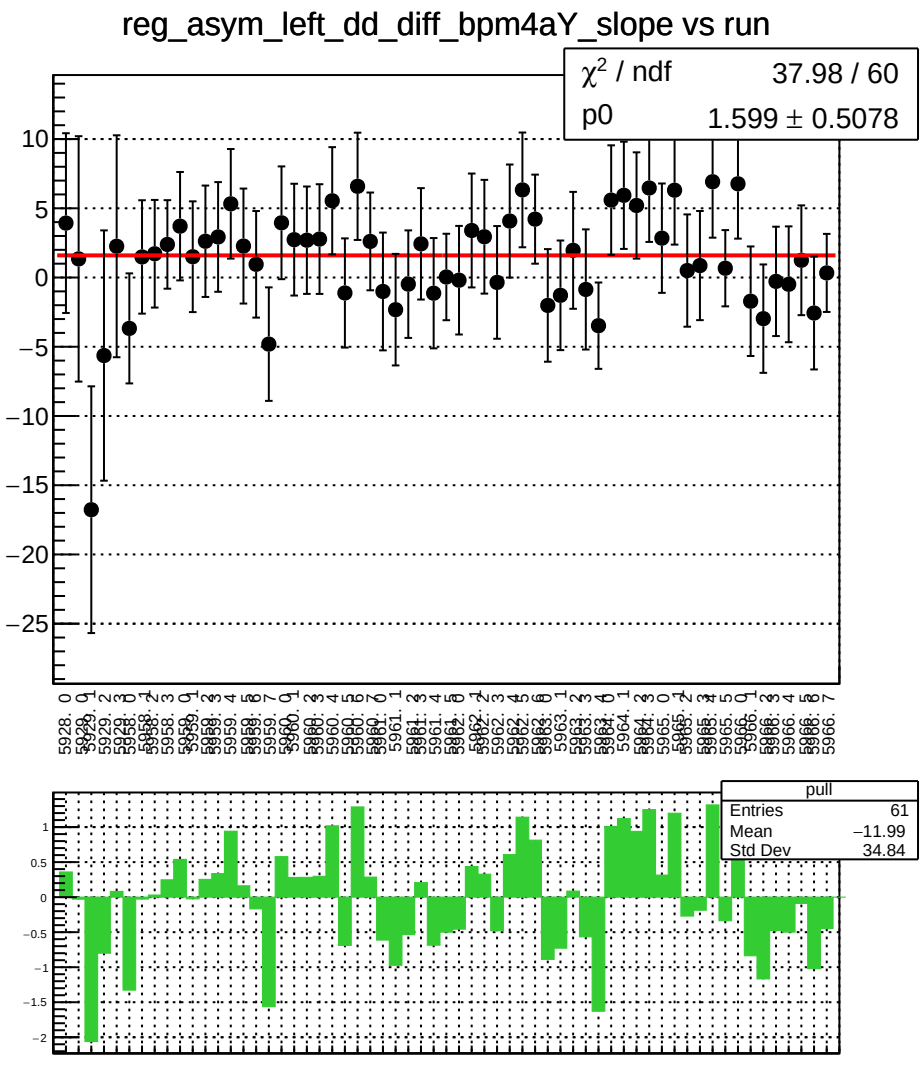

pull1D
Entries 61
Mean −0.007898
Std Dev 0.803

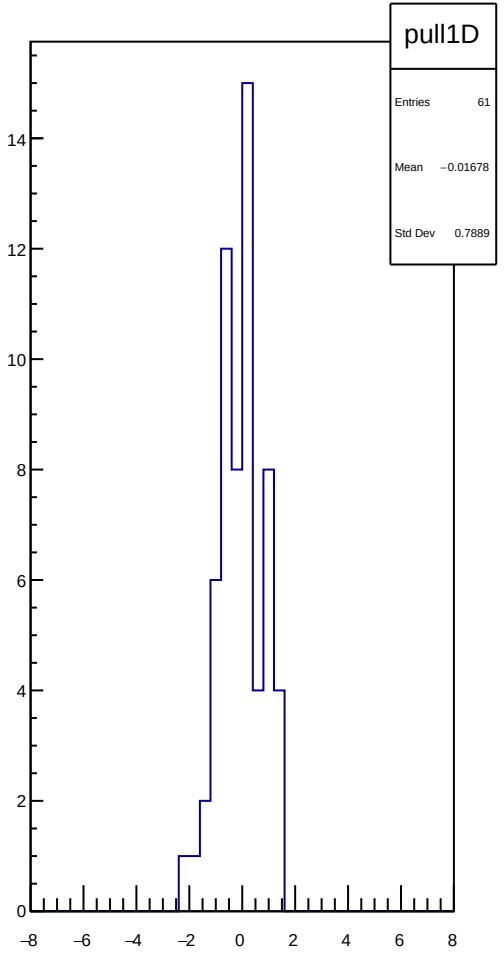

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 64.28 / 60
p0 −19.72 ± 0.0627
pull
Entries 61
Mean −96.52
Std Dev 0

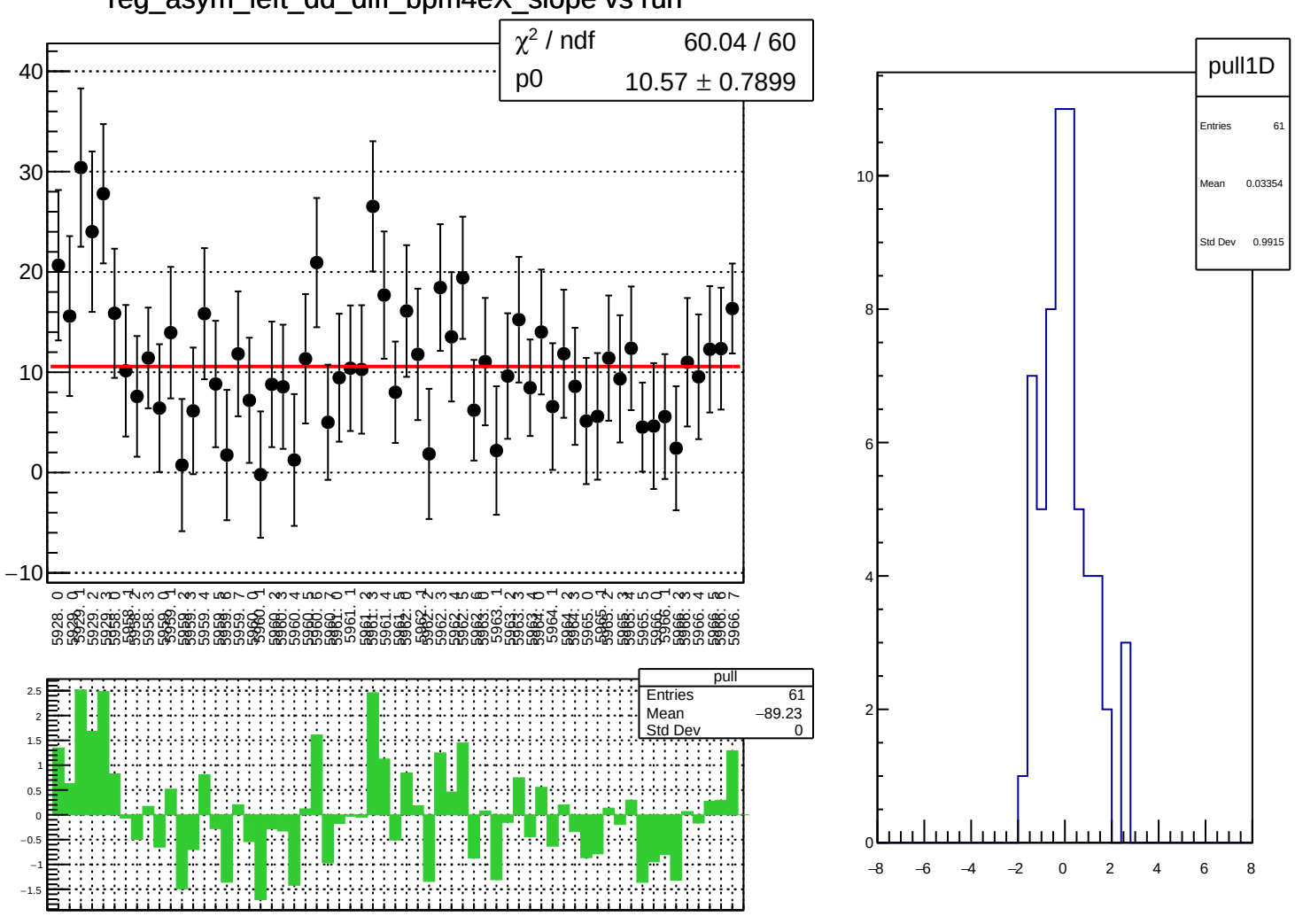

pull1D
Entries 61
Mean −0.0417
Std Dev 1.026

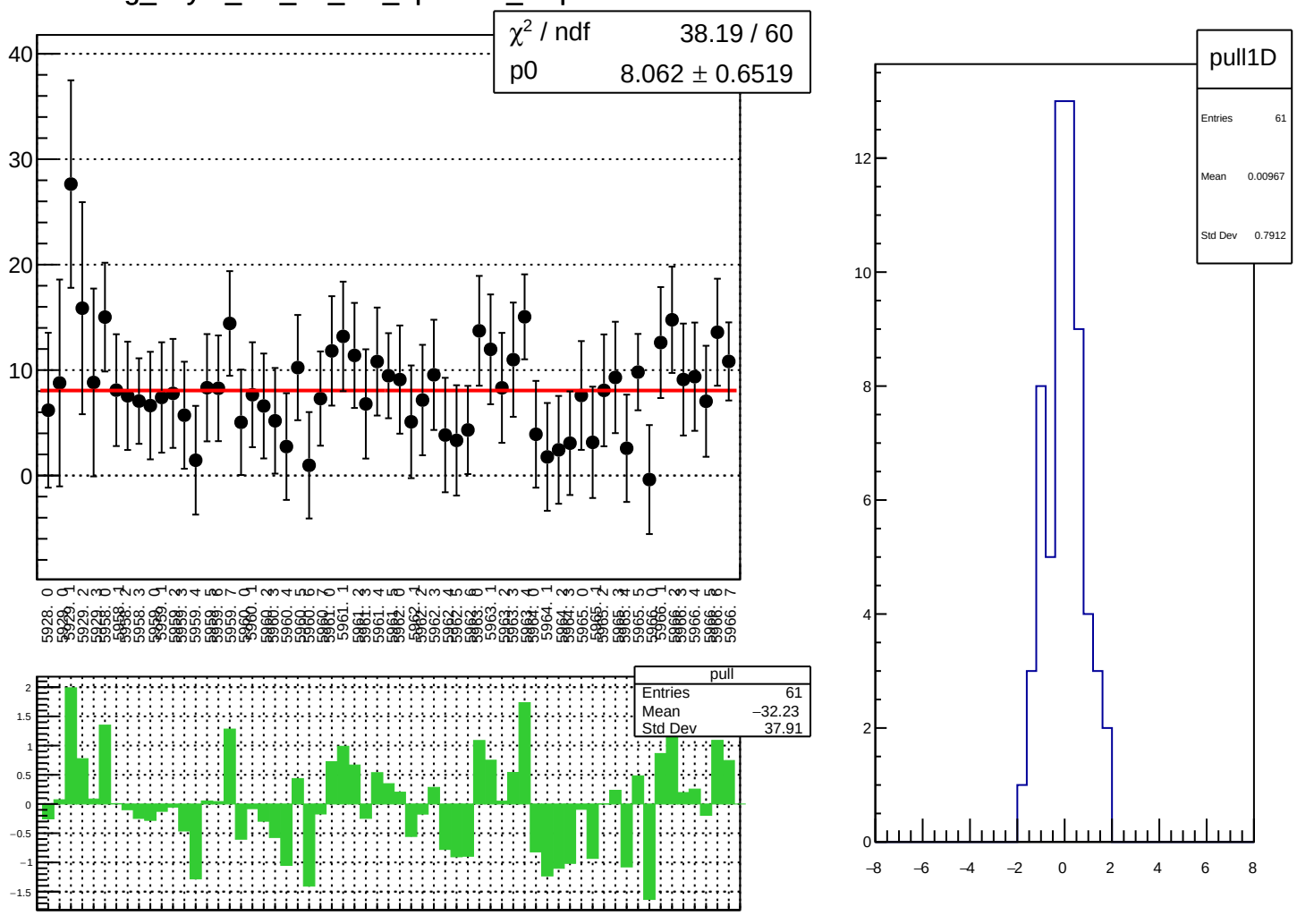

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 53.19 / 60
p0 −37.14 ± 0.7724
pull
Entries 61
Mean 213.8
Std Dev 0

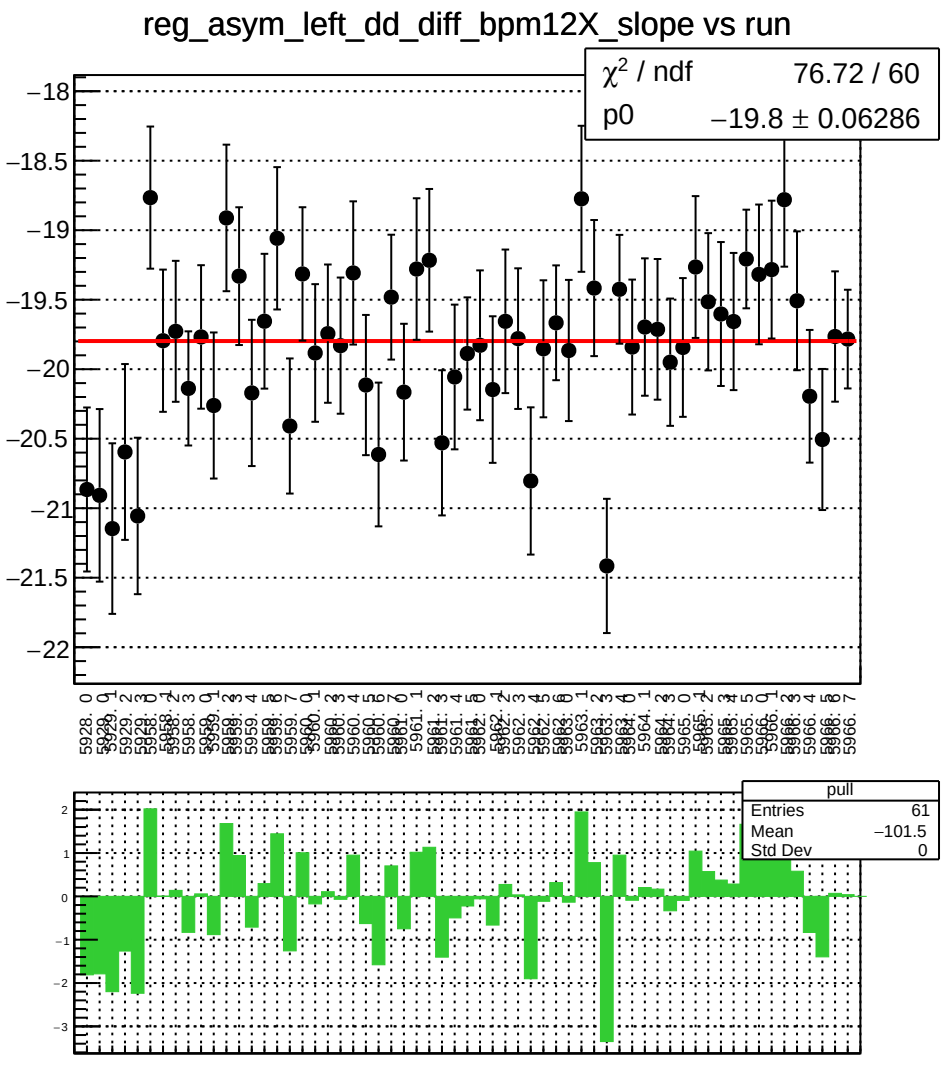

pull1D
Entries 61
Mean −0.01951
Std Dev 0.9336

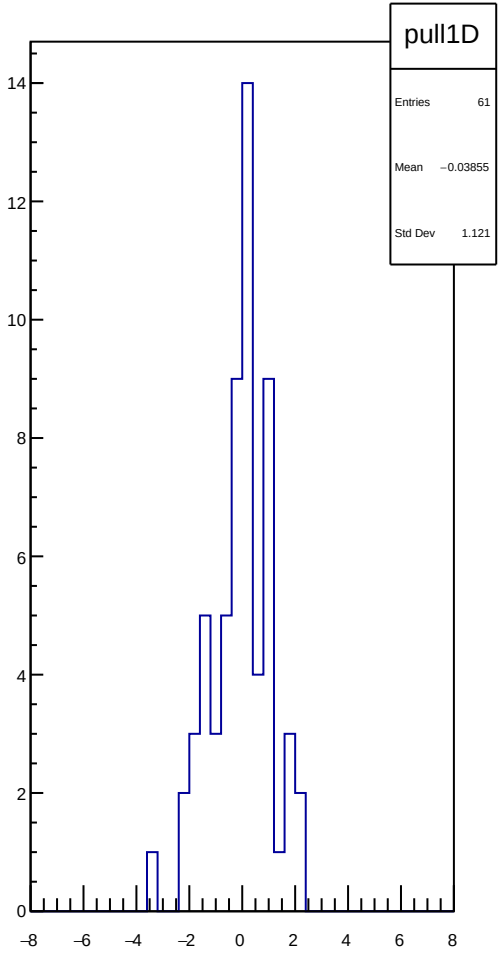

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.98 / 60
p0 1.599 ± 0.5078
pull
Entries 61
Mean −11.99
Std Dev 34.84

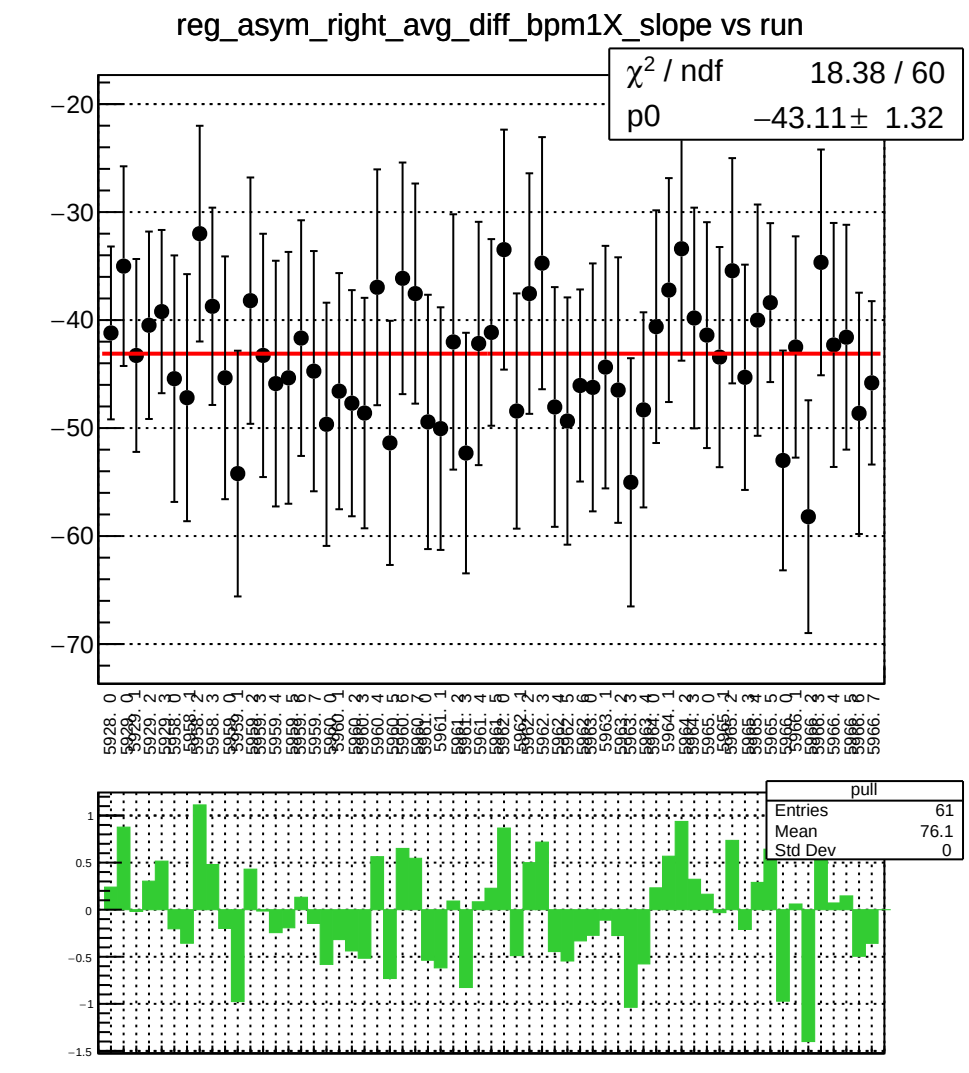

pull1D
Entries 61
Mean −0.01678
Std Dev 0.7889

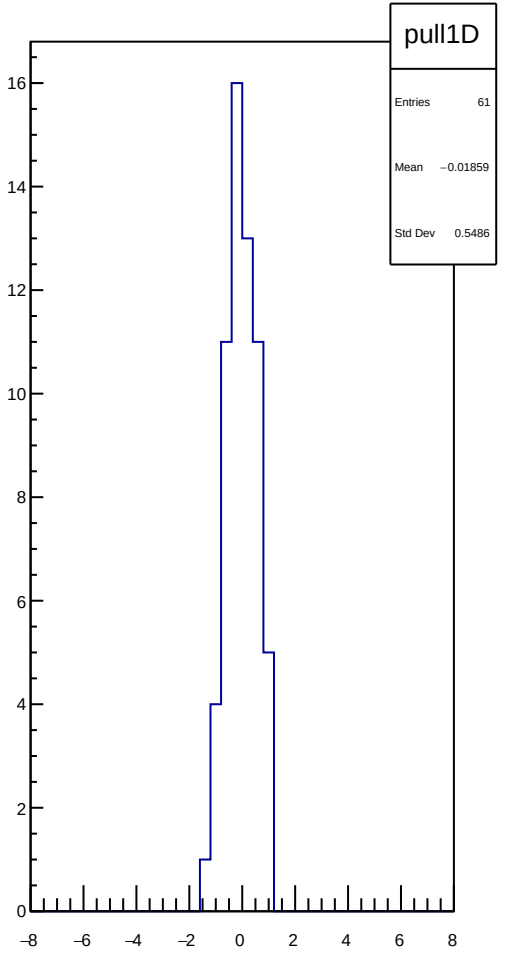

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.04 / 60
p0 10.57 ± 0.7899
pull
Entries 61
Mean −89.23
Std Dev 0
pull1D
Entries 61
Mean 0.03354
Std Dev 0.9915

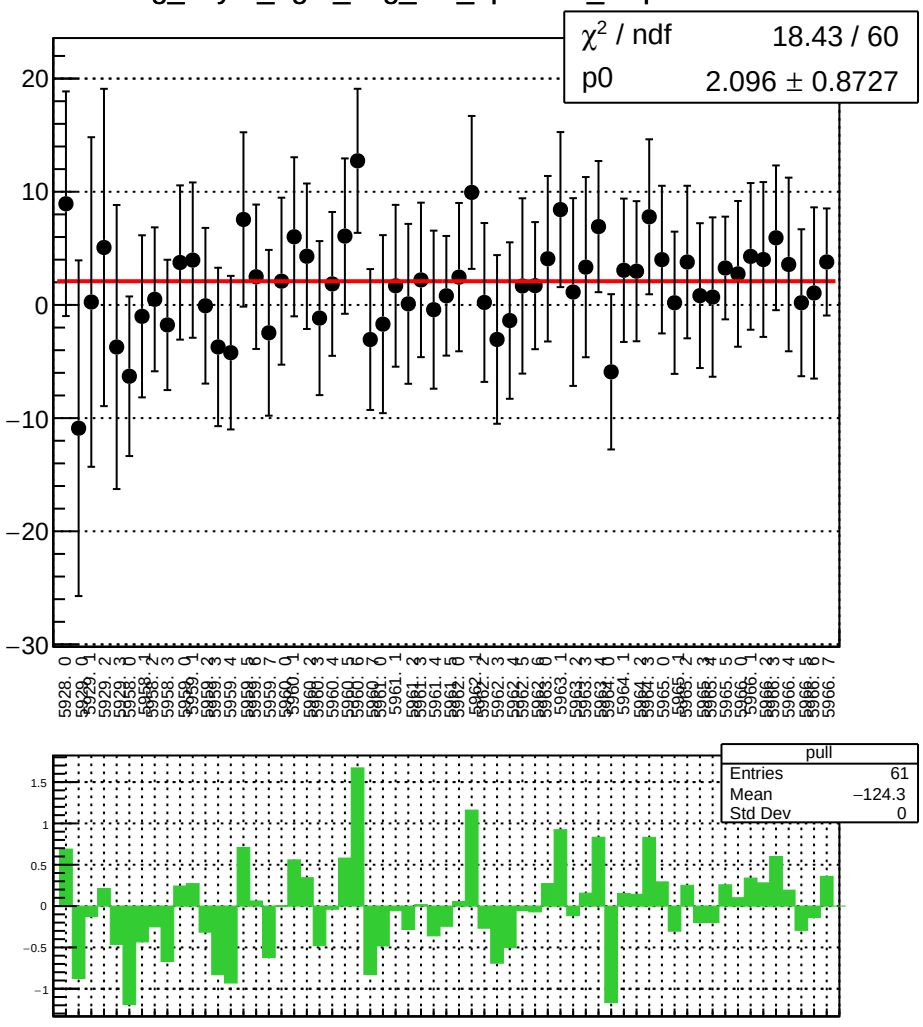

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.19 / 60
p0 8.062 ± 0.6519
pull
Entries 61
Mean −32.23
Std Dev 37.91
pull1D
Entries 61
Mean 0.00967
Std Dev 0.7912

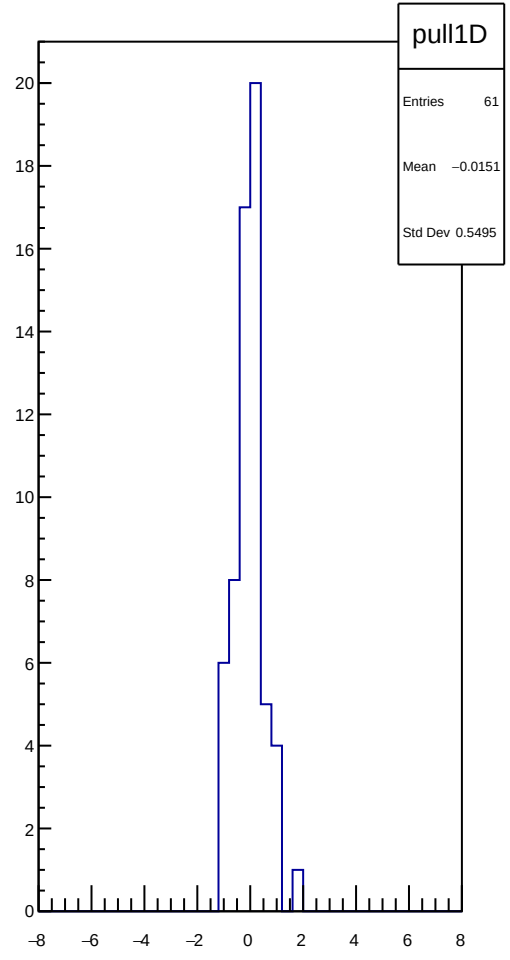

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 76.72 / 60
p0 −19.8 ± 0.06286
pull
Entries 61
Mean −101.5
Std Dev 0

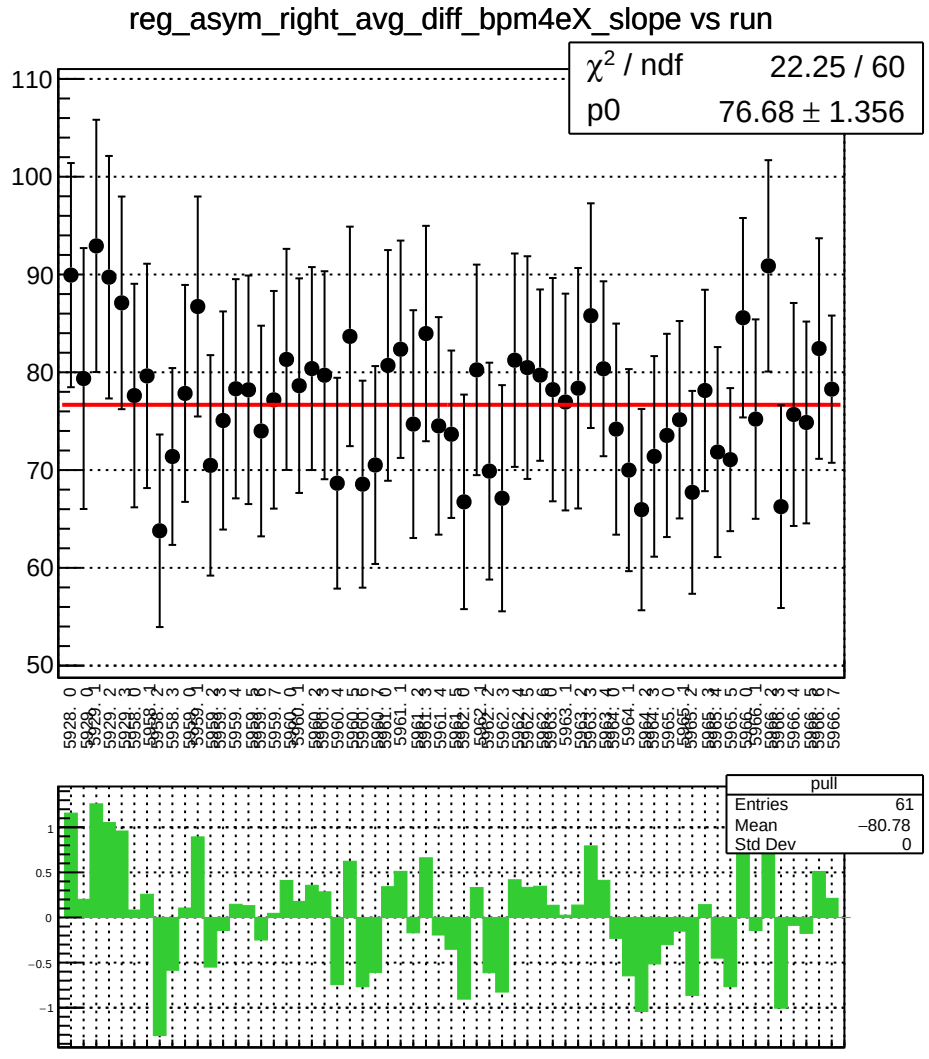

pull1D
Entries 61
Mean −0.03855
Std Dev 1.121

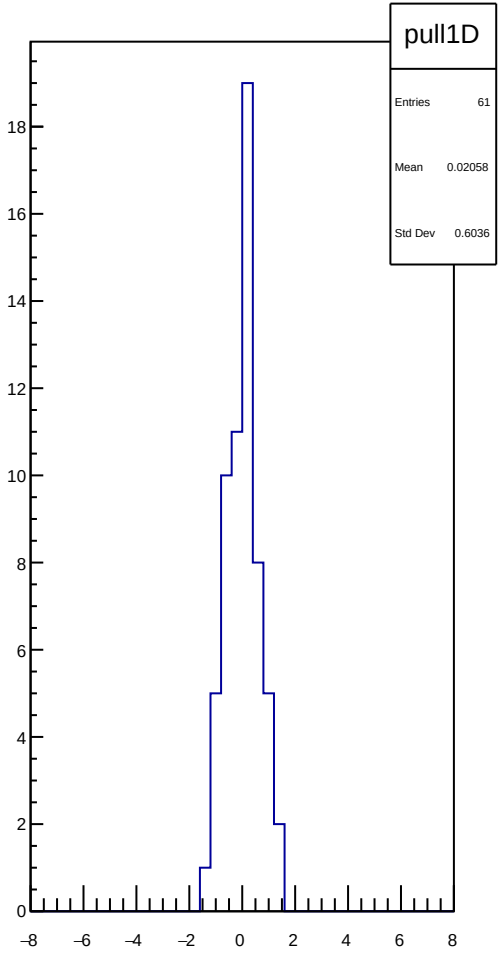

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 18.38 / 60
p0 −43.11 ± 1.32
pull
Entries 61
Mean 76.1
Std Dev 0

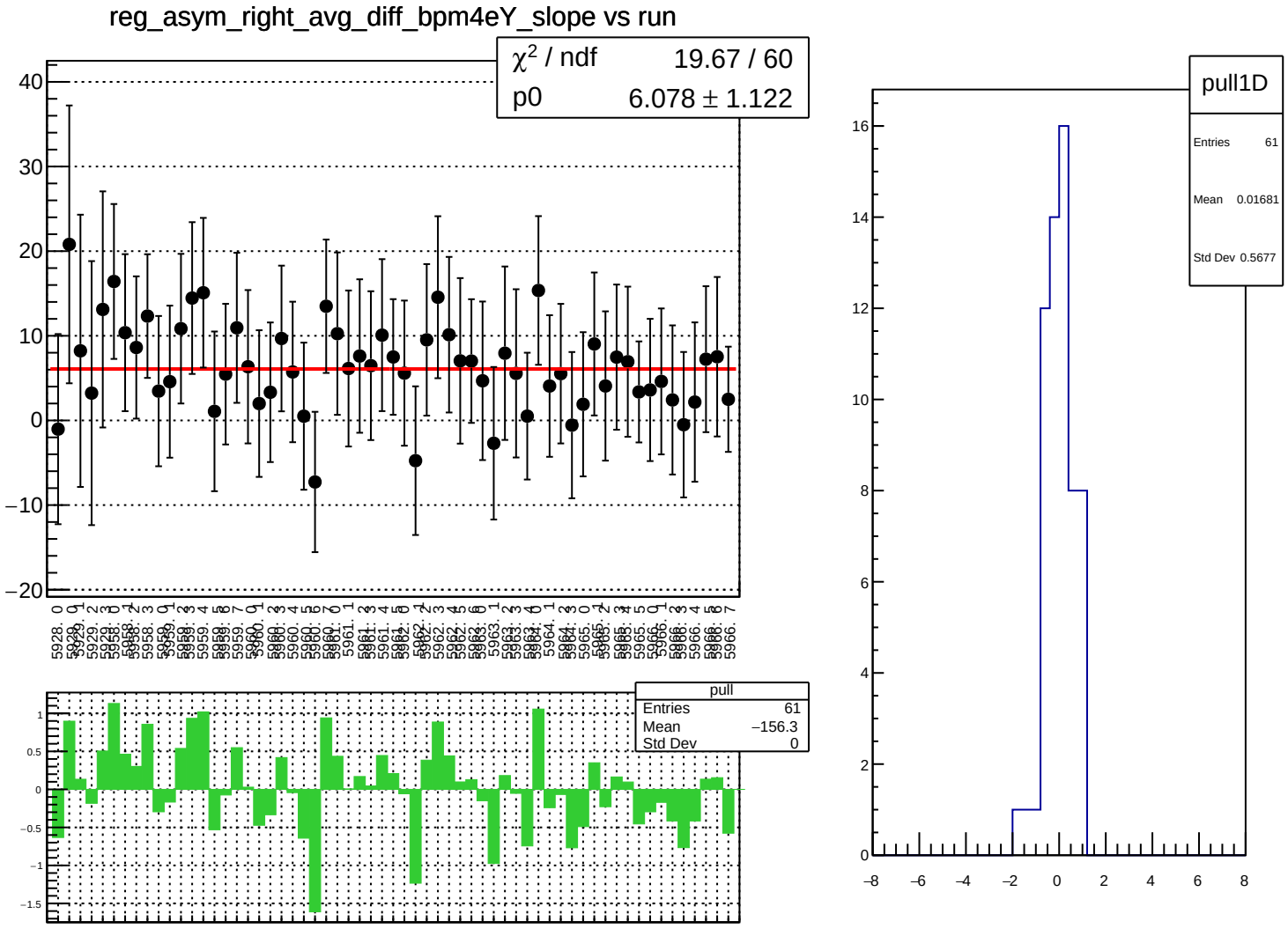

pull1D
Entries 61
Mean −0.01859
Std Dev 0.5486

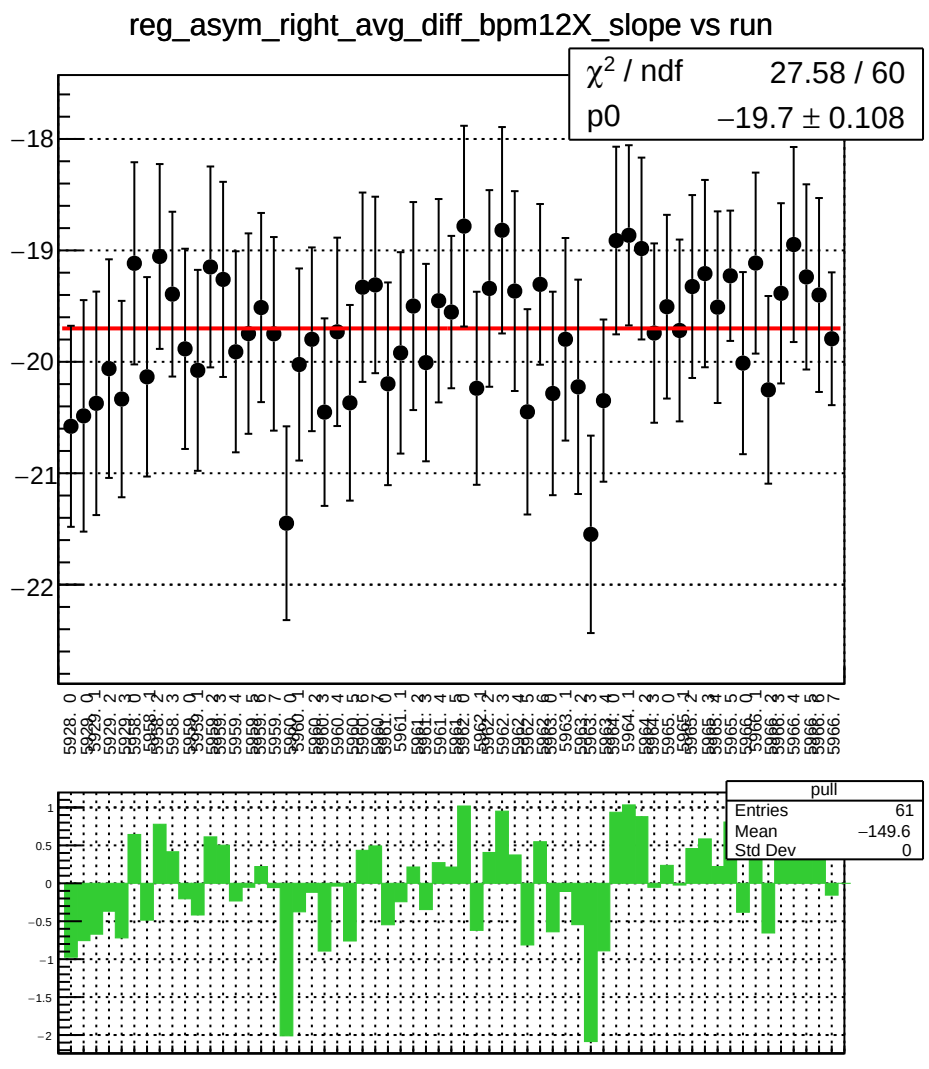

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.43 / 60
p0 2.096 ± 0.8727
pull
Entries 61
Mean −124.3
Std Dev 0

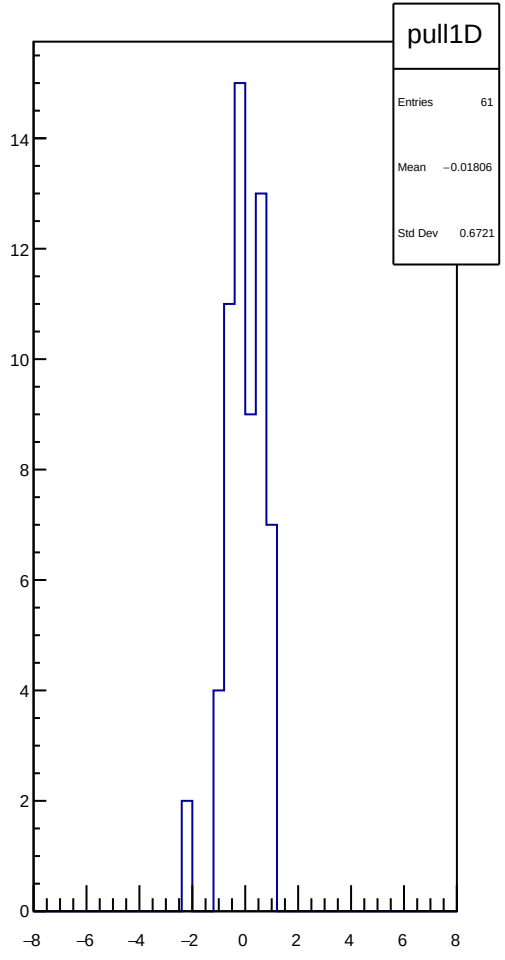

pull1D
Entries 61
Mean −0.0151
Std Dev 0.5495

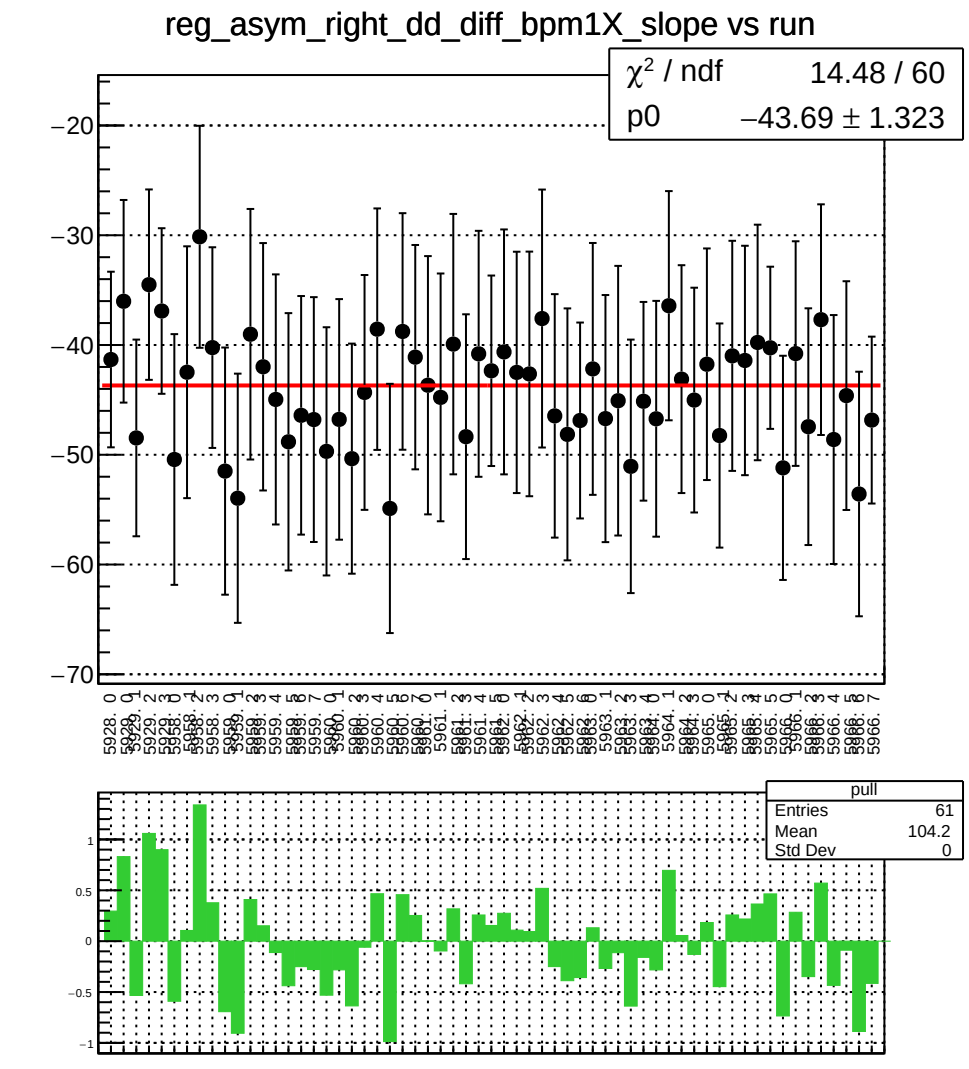

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.25 / 60
p0 76.68 ± 1.356
pull
Entries 61
Mean −80.78
Std Dev 0

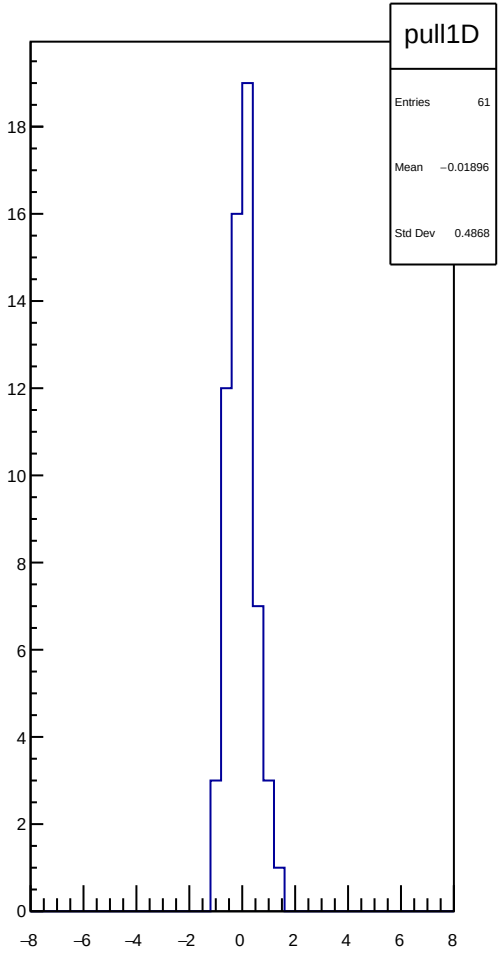

pull1D
Entries 61
Mean 0.02058
Std Dev 0.6036

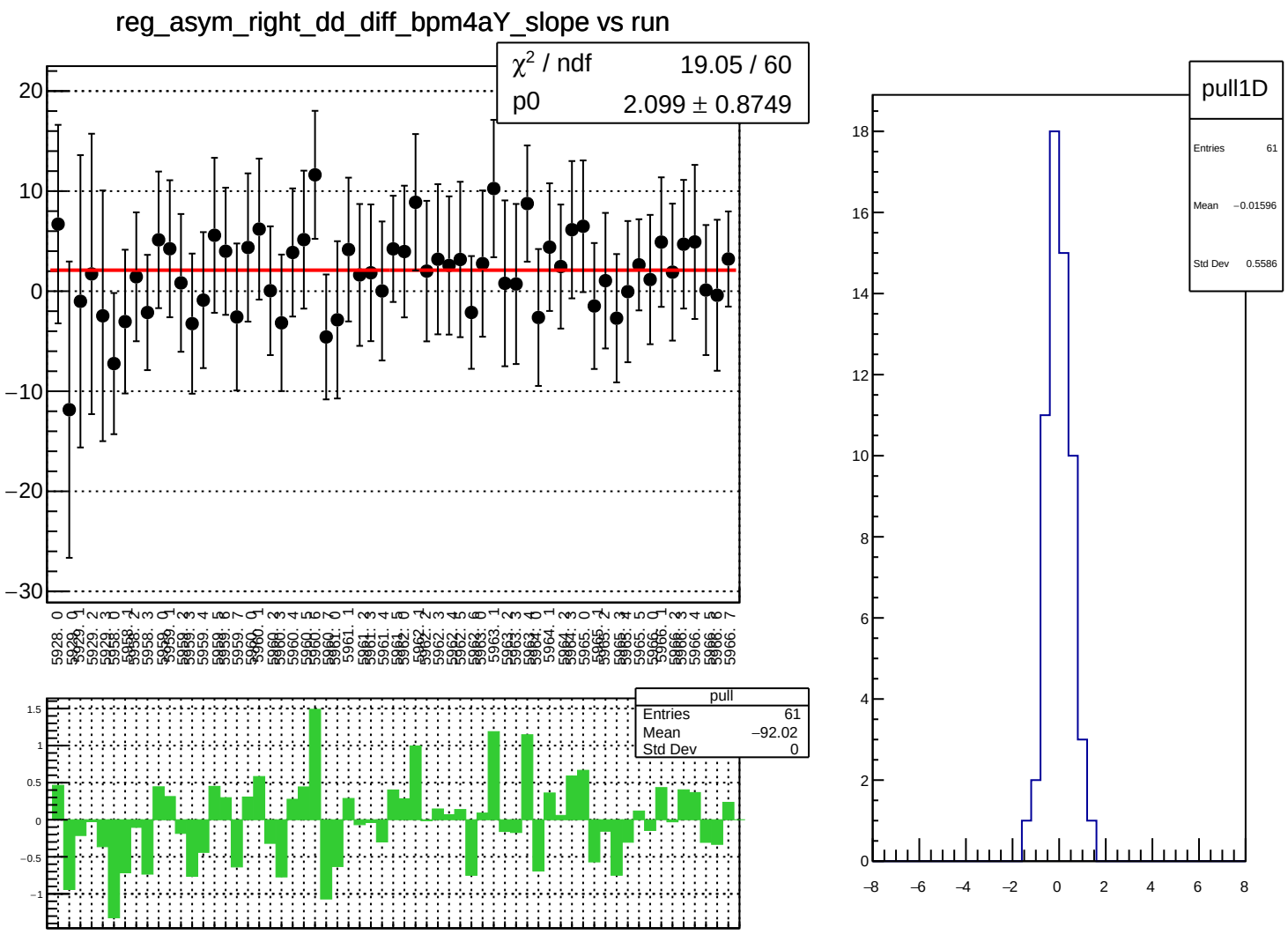

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.67 / 60
p0 6.078 ± 1.122
pull
Entries 61
Mean −156.3
Std Dev 0
pull1D
Entries 61
Mean 0.01681
Std Dev 0.5677

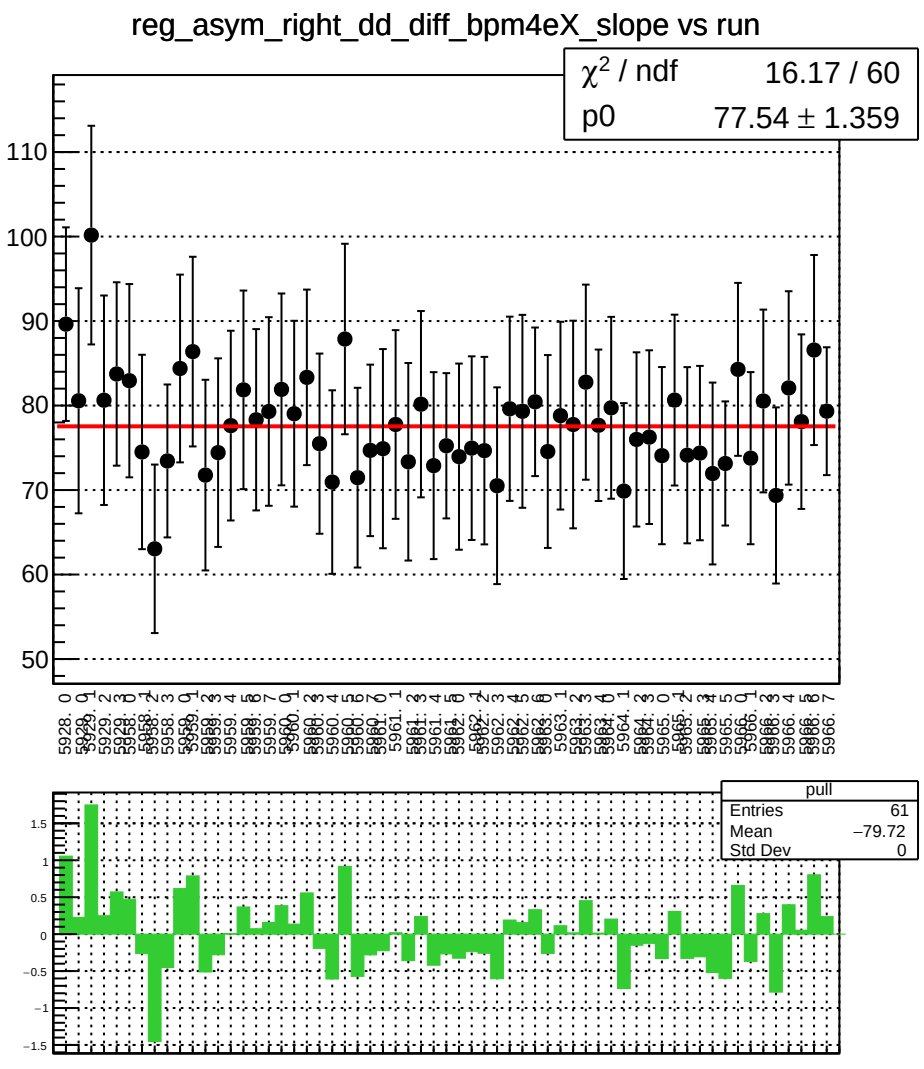

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 27.58 / 60
p0 −19.7 ± 0.108
−18
−19
−20
−21
−22
pull
Entries 61
Mean −149.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

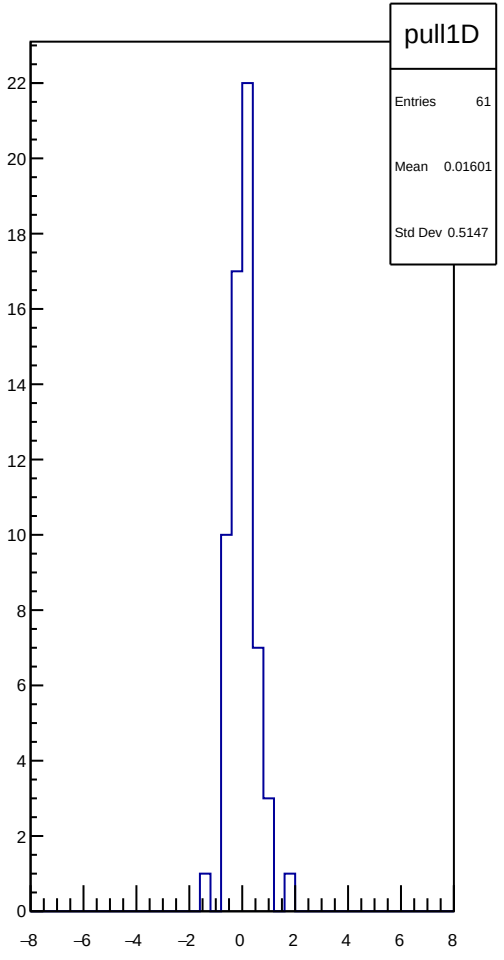

pull1D
Entries 61
Mean −0.01806
Std Dev 0.6721
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

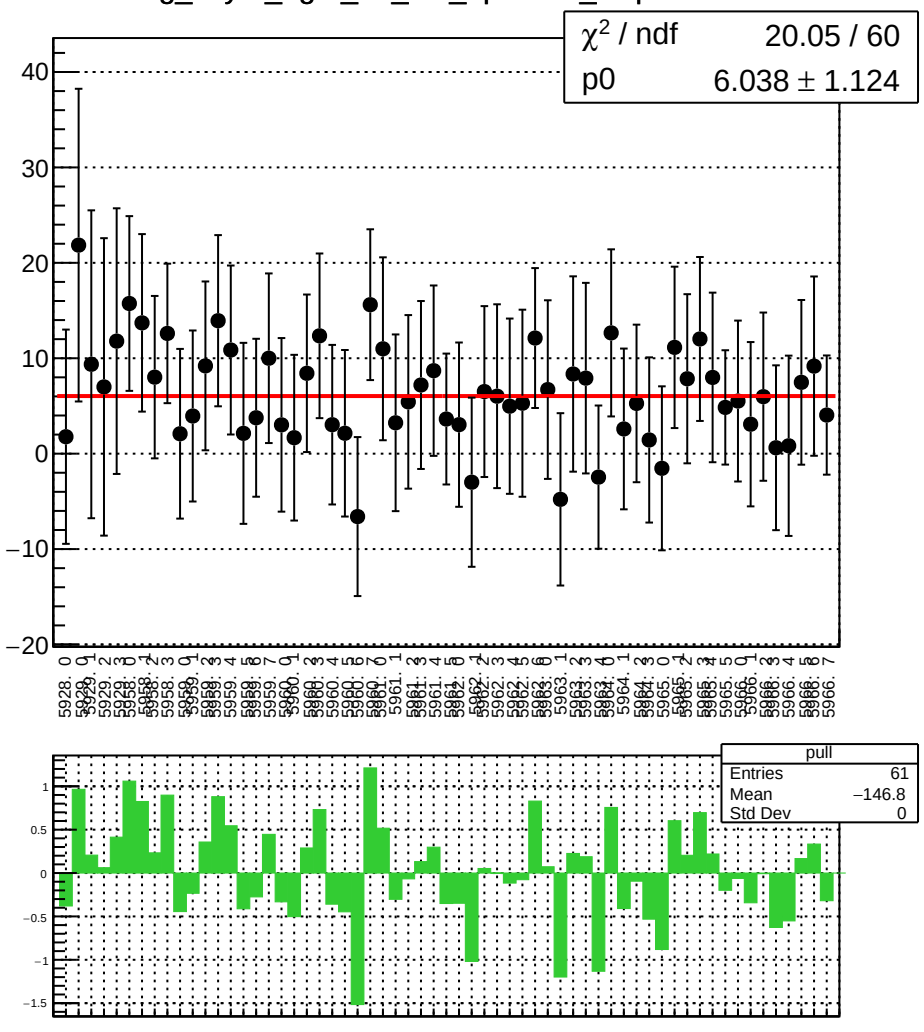

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 14.48 / 60
p0 −43.69 ± 1.323
pull
Entries 61
Mean 104.2
Std Dev 0

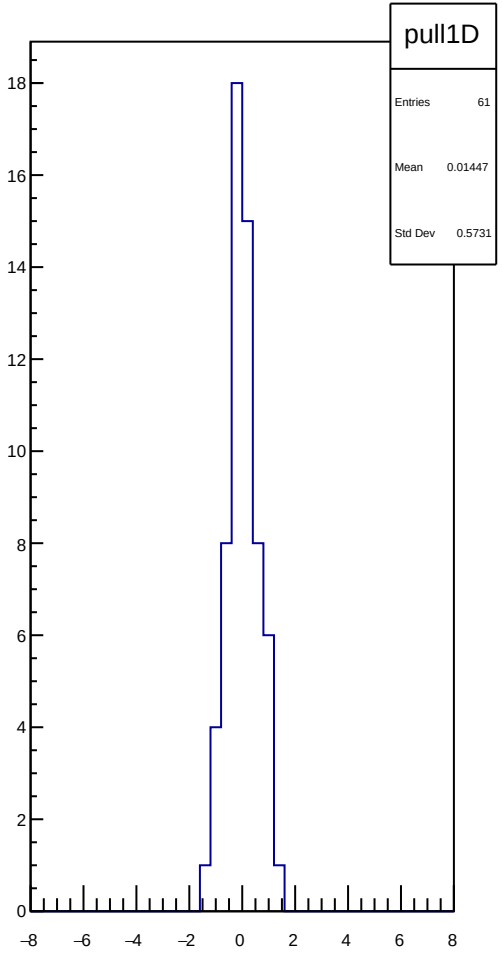

pull1D
Entries 61
Mean −0.01896
Std Dev 0.4868

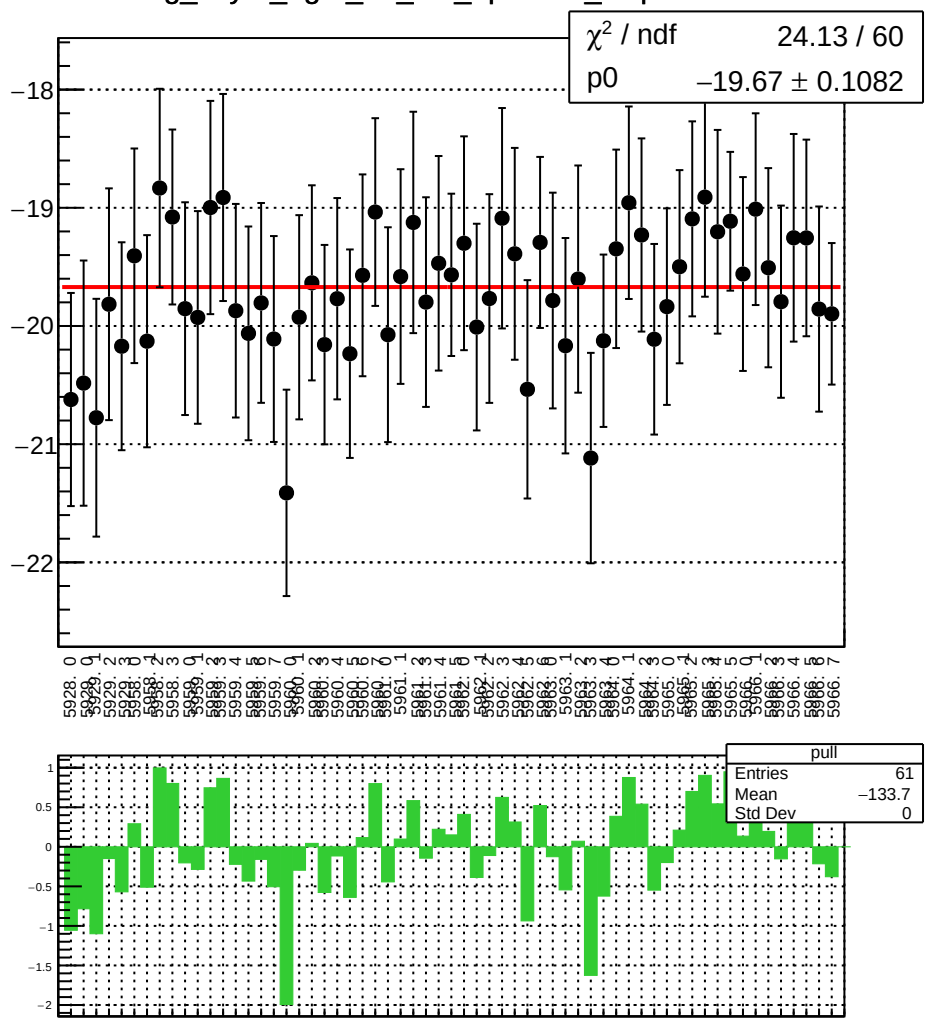

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.05 / 60
p0 2.099 ± 0.8749
pull
Entries 61
Mean −92.02
Std Dev 0
pull1D
Entries 61
Mean −0.01596
Std Dev 0.5586

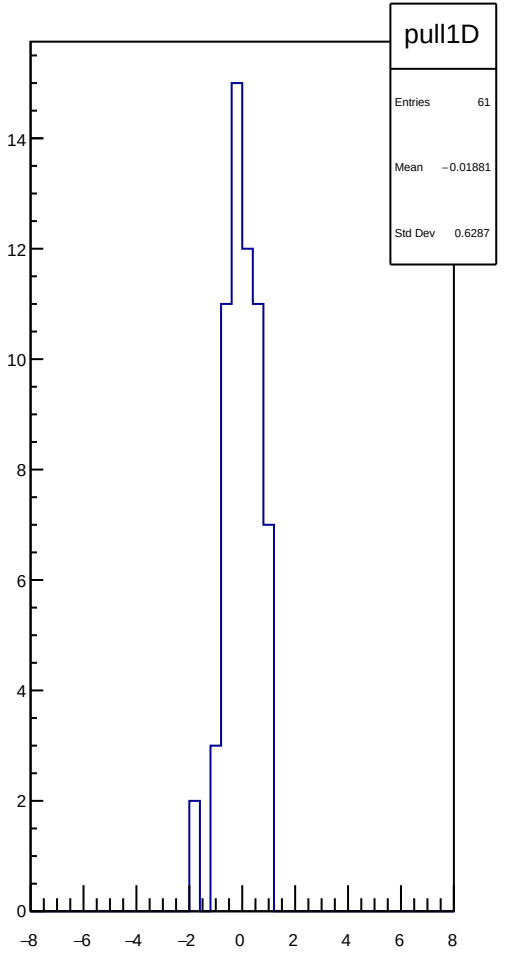

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.17 / 60
p0 77.54 ± 1.359
pull
Entries 61
Mean −79.72
Std Dev 0

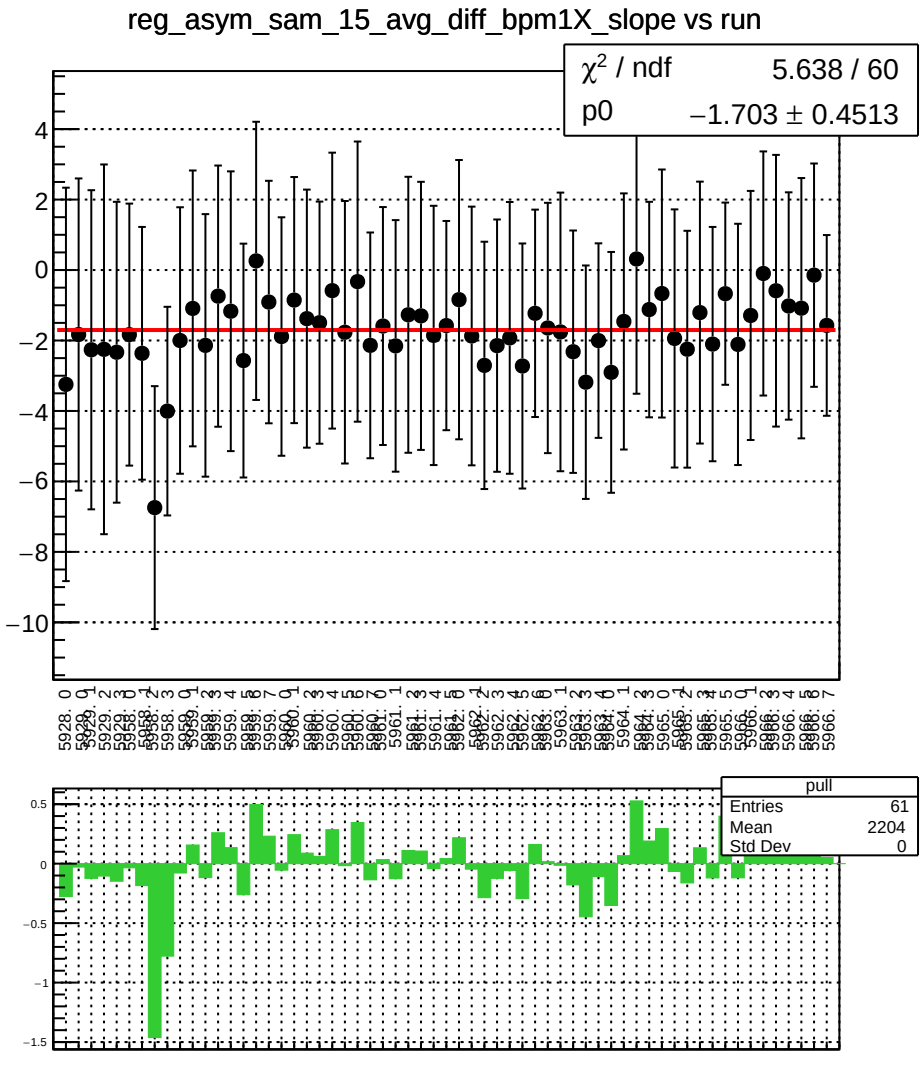

pull1D
Entries 61
Mean 0.01601
Std Dev 0.5147

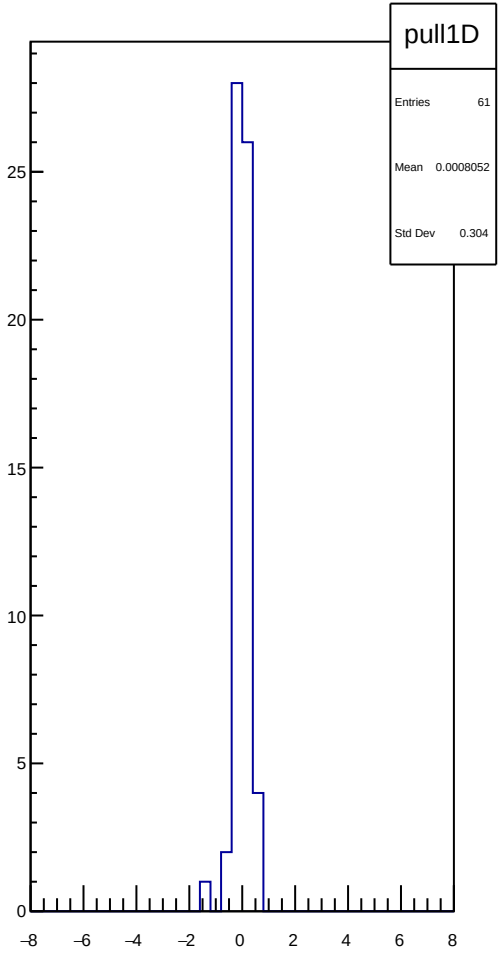

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.05 / 60
p0 6.038 ± 1.124
pull
Entries 61
Mean −146.8
Std Dev 0

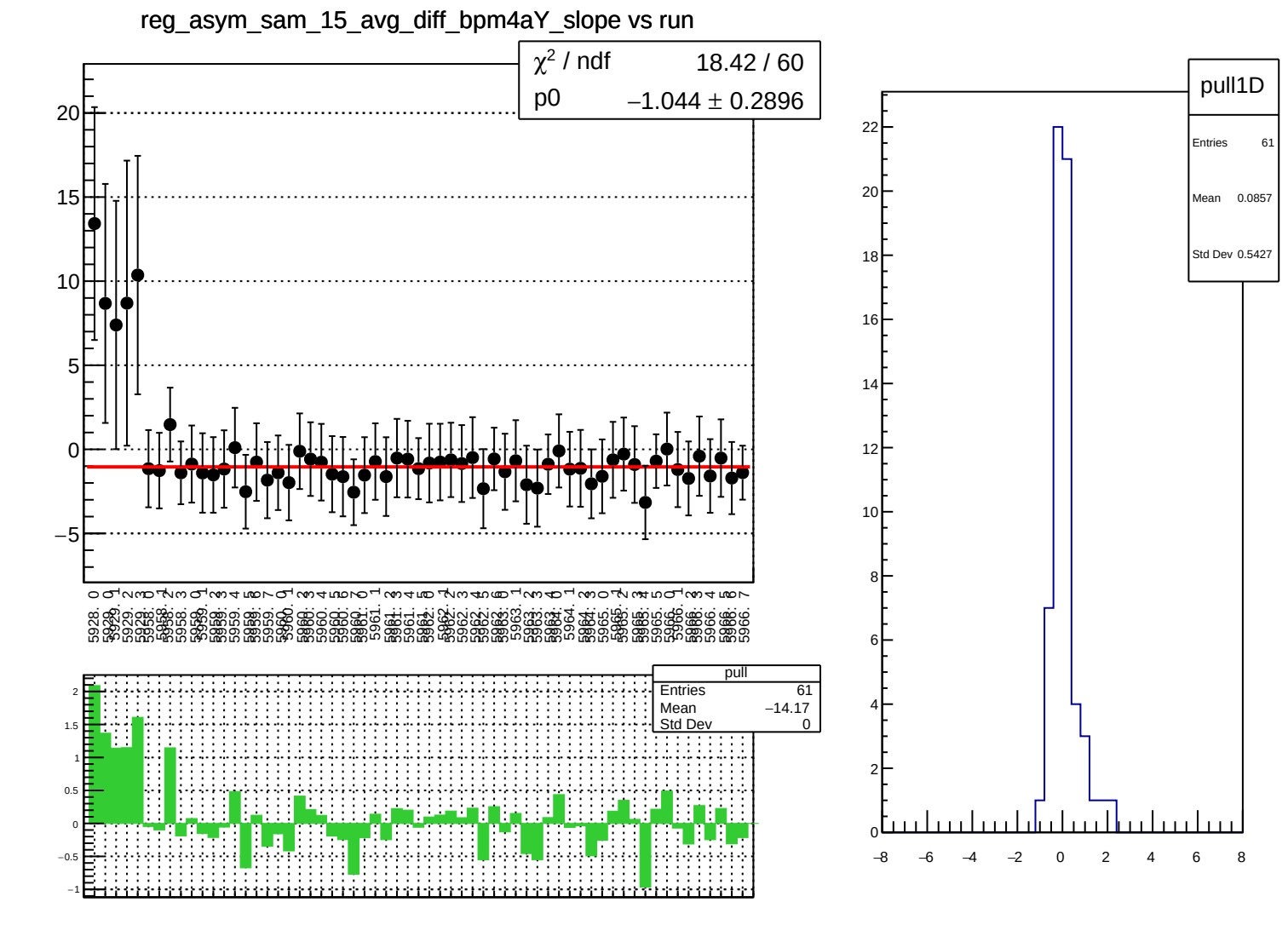

pull1D
Entries 61
Mean 0.01447
Std Dev 0.5731

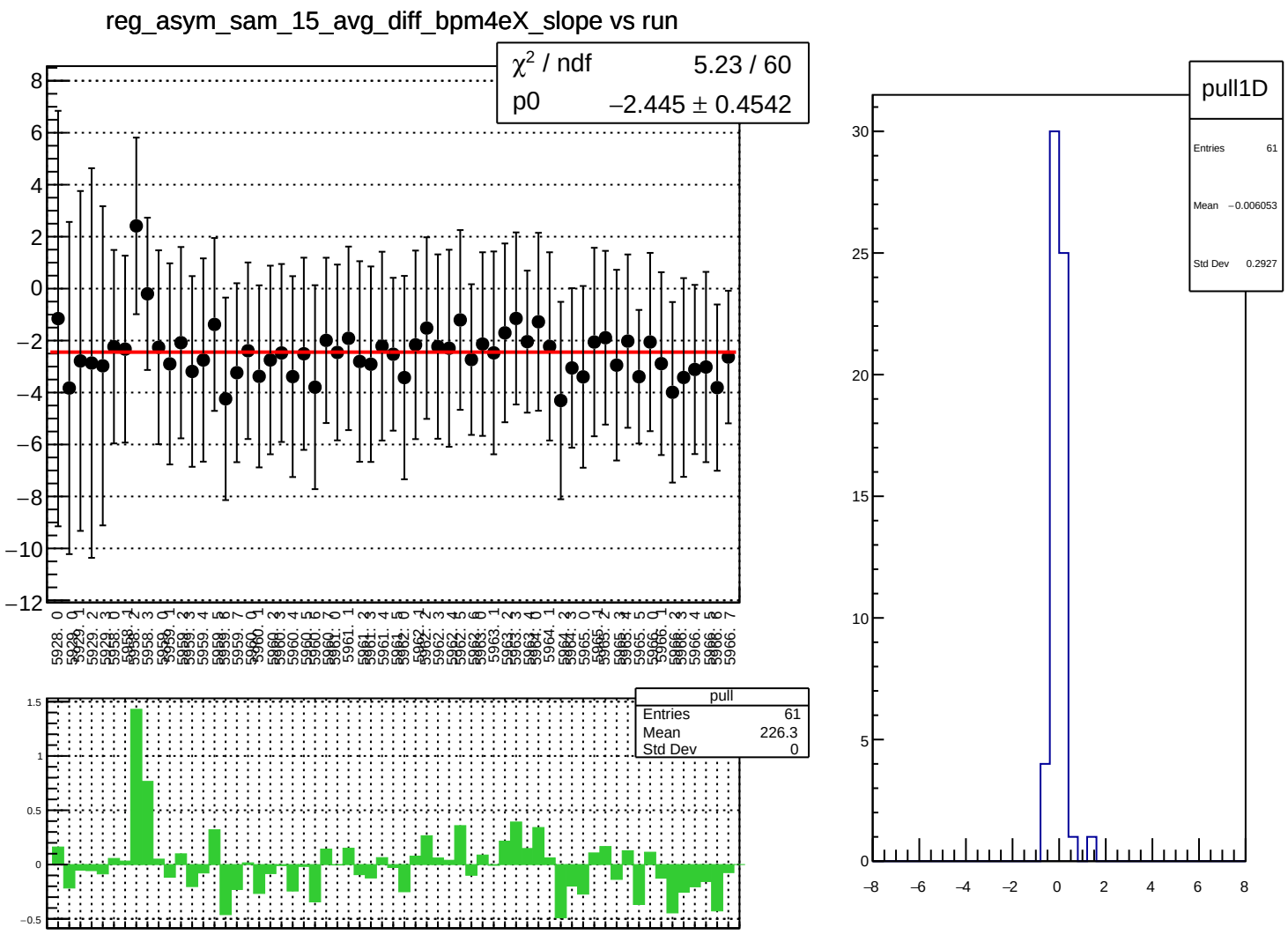

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 24.13 / 60
p0 −19.67 ± 0.1082
pull
Entries 61
Mean −133.7
Std Dev 0

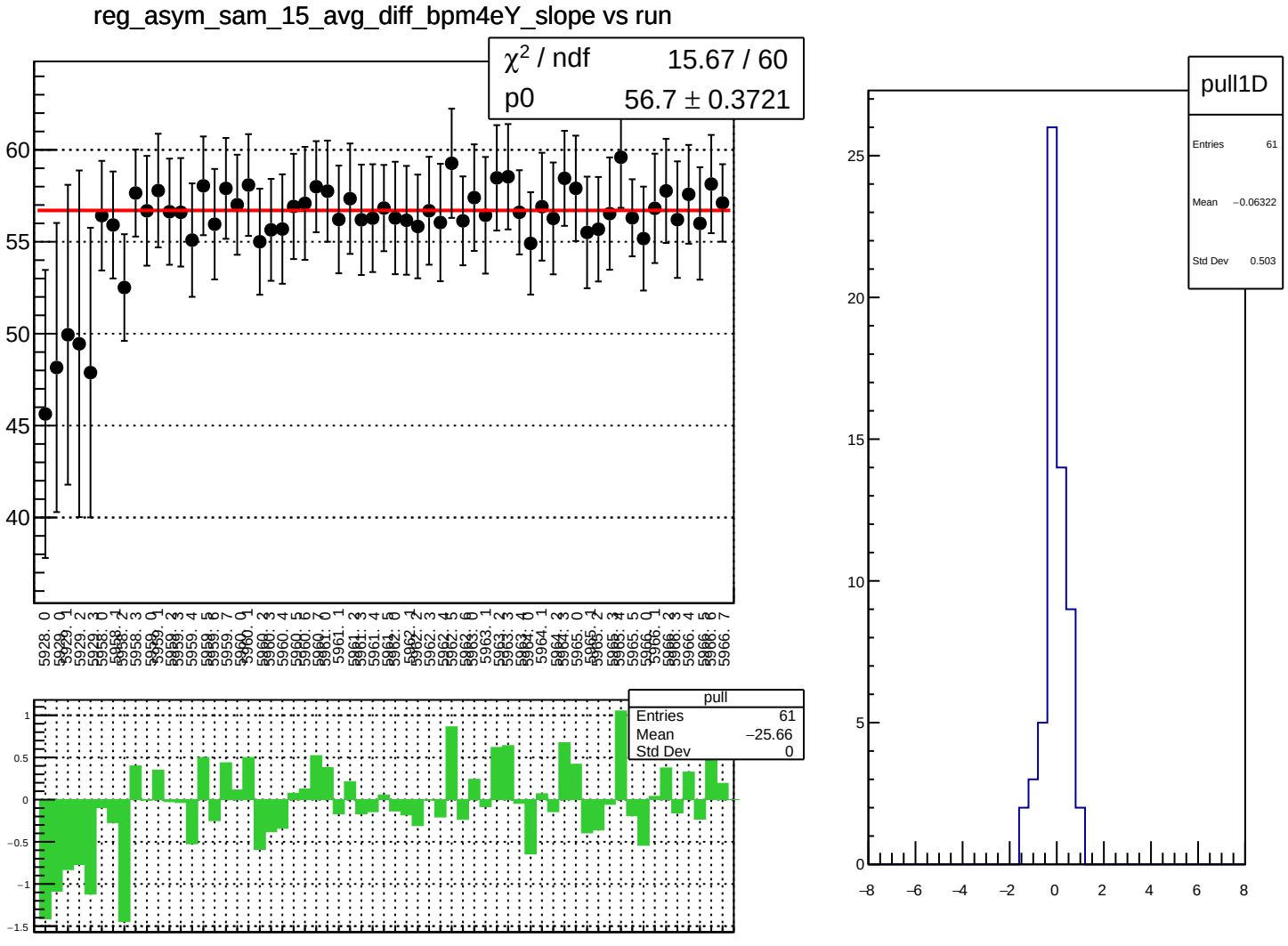

pull1D
Entries 61
Mean −0.01881
Std Dev 0.6287

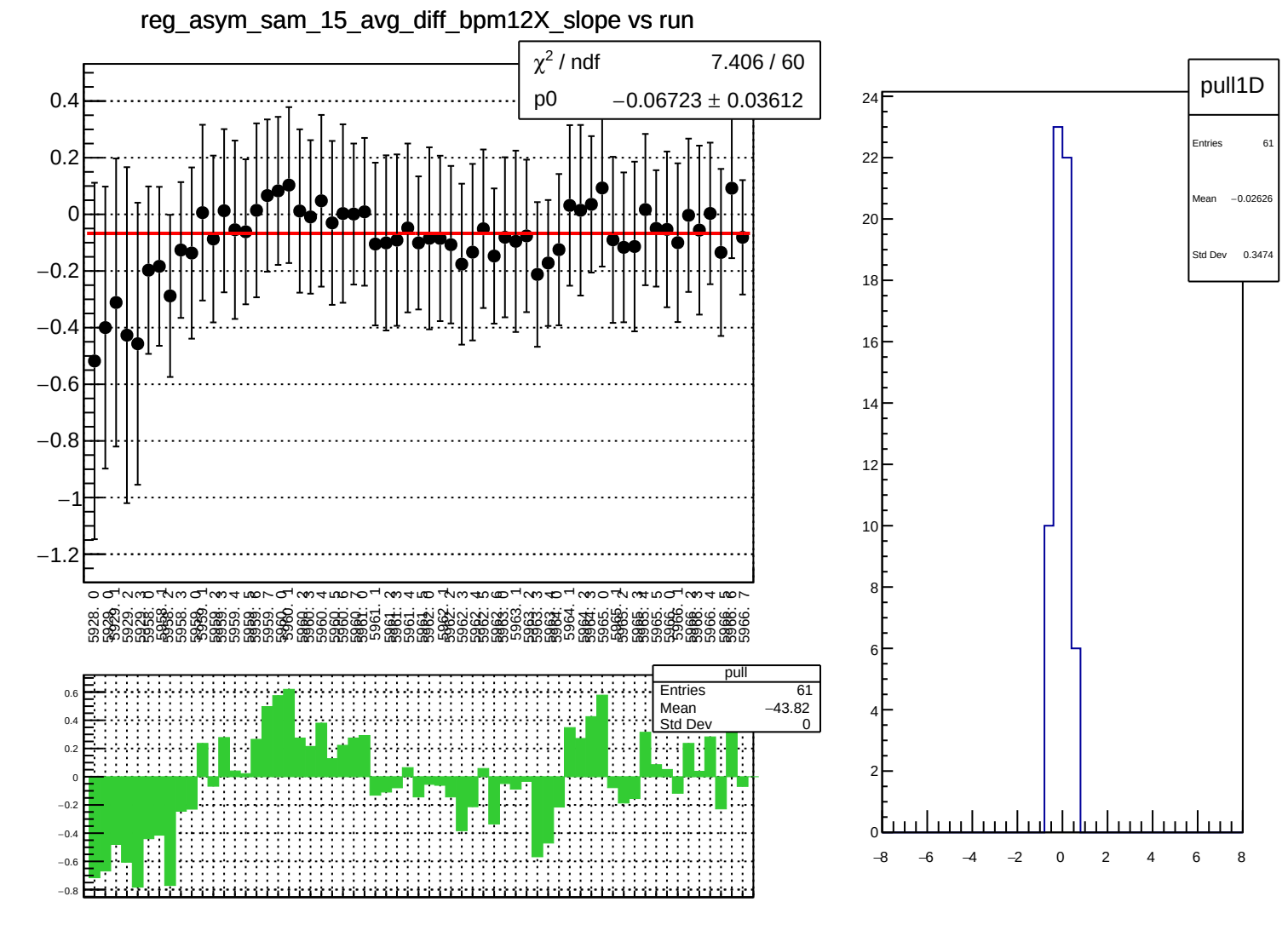

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.638 / 60
p0 −1.703 ± 0.4513
pull
Entries 61
Mean 2204
Std Dev 0

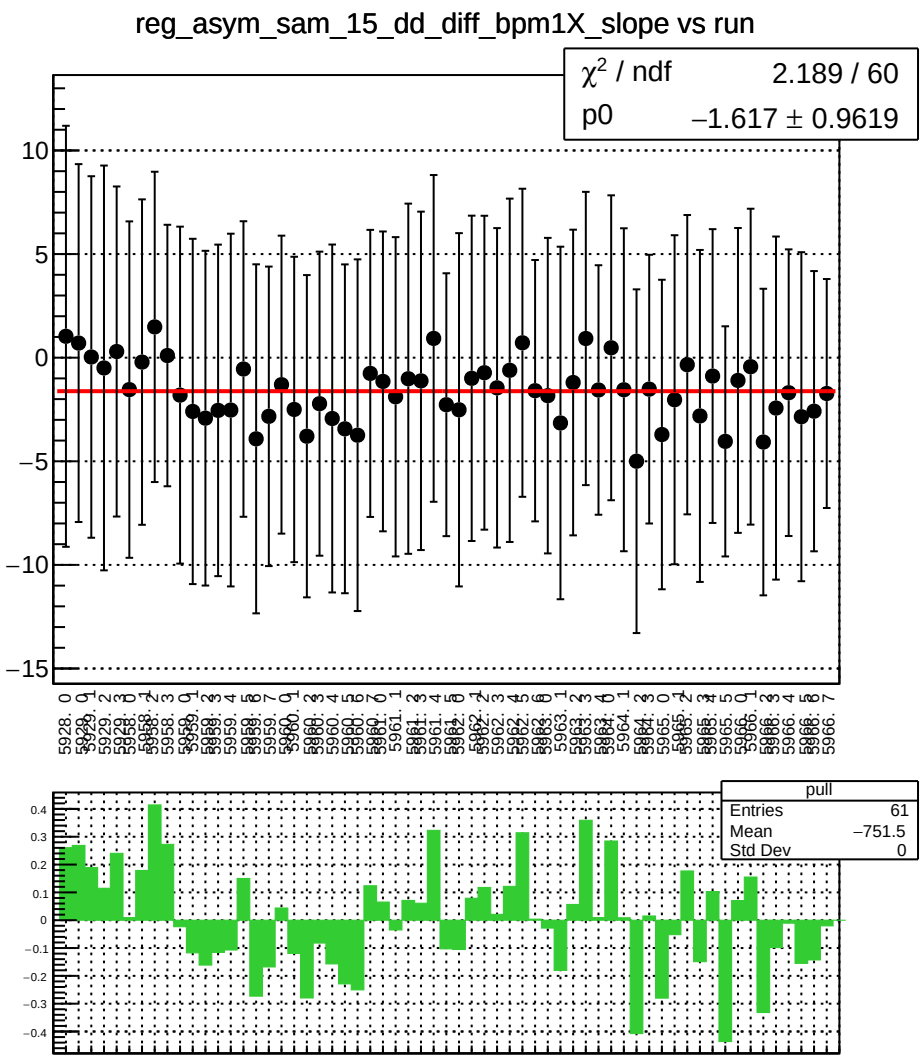

pull1D
Entries 61
Mean 0.0008052
Std Dev 0.304

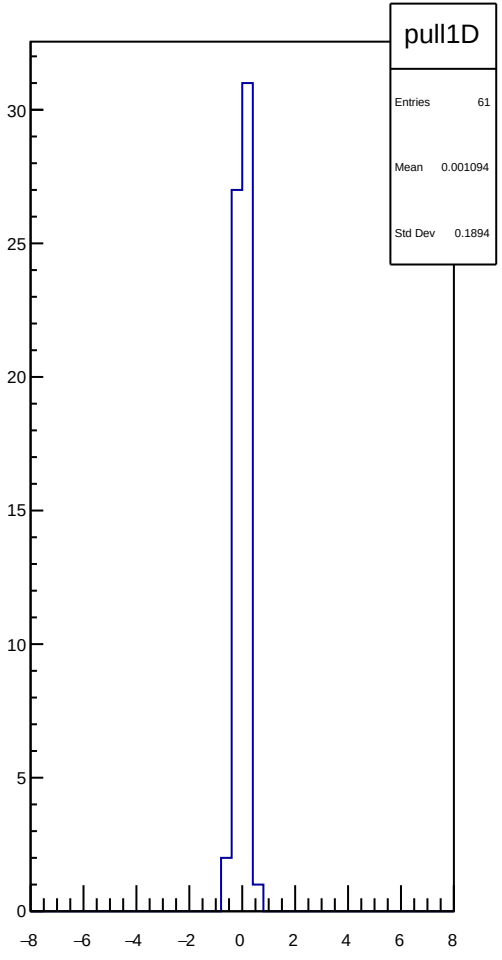

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.42 / 60
p0 −1.044 ± 0.2896
pull
Entries 61
Mean −14.17
Std Dev 0
pull1D
Entries 61
Mean 0.0857
Std Dev 0.5427

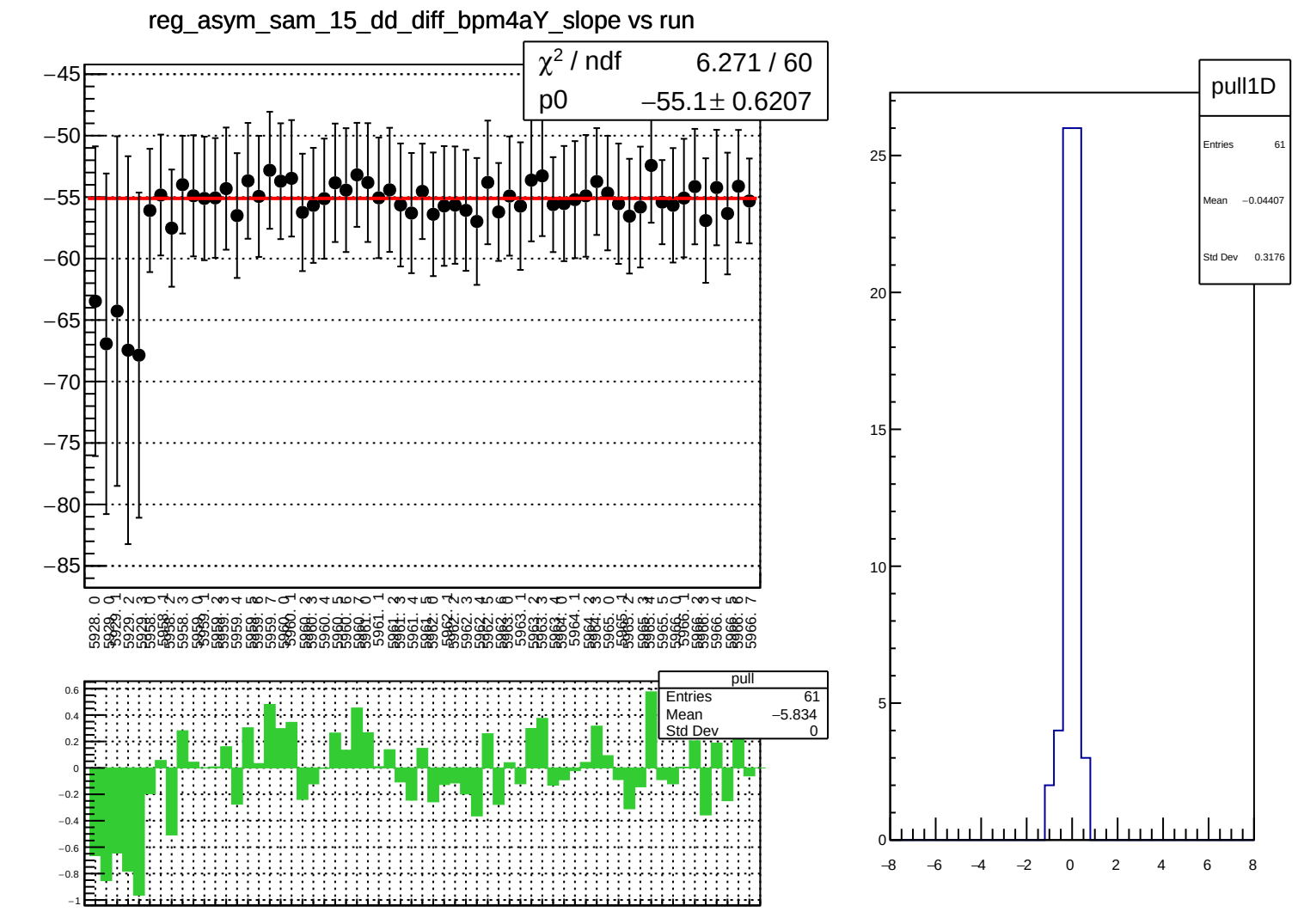

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.23 / 60
p0 −2.445 ± 0.4542
pull
Entries 61
Mean 226.3
Std Dev 0
pull1D
Entries 61
Mean −0.006053
Std Dev 0.2927

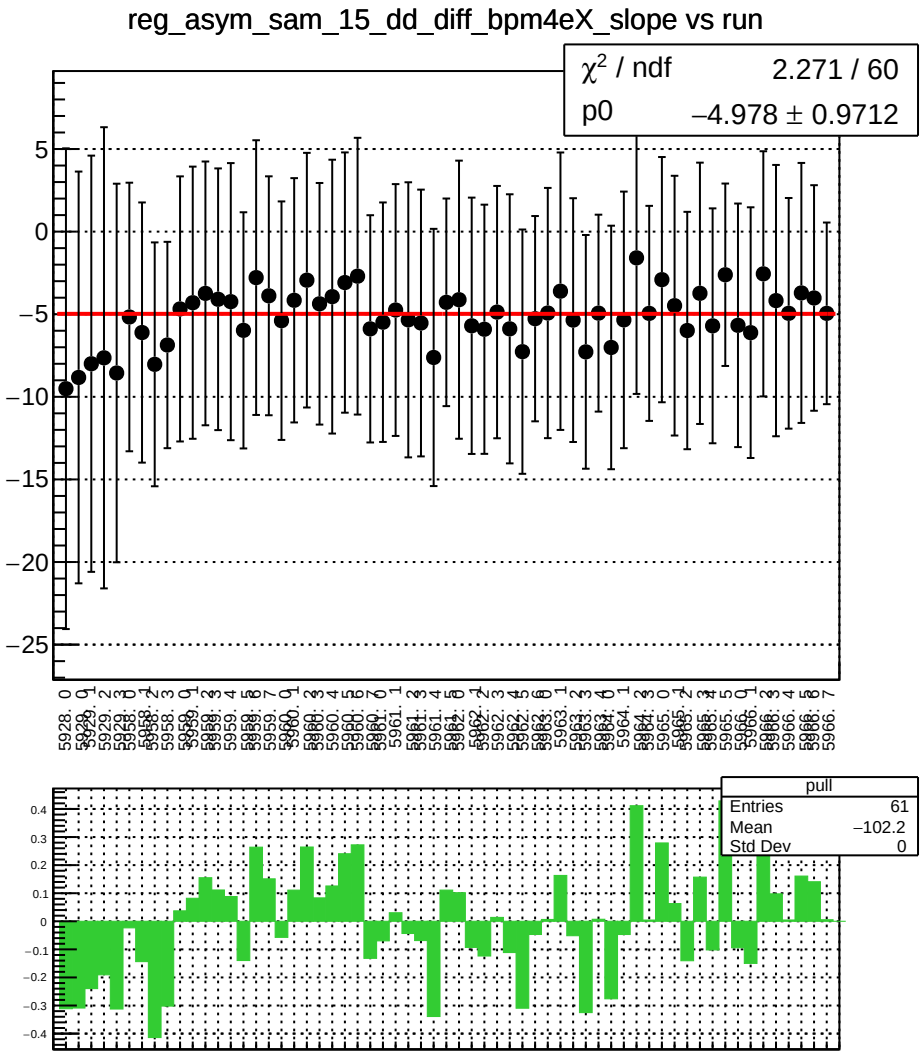

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.67 / 60
p0 56.7 ± 0.3721
pull
Entries 61
Mean −25.66
Std Dev 0
pull1D
Entries 61
Mean −0.06322
Std Dev 0.503

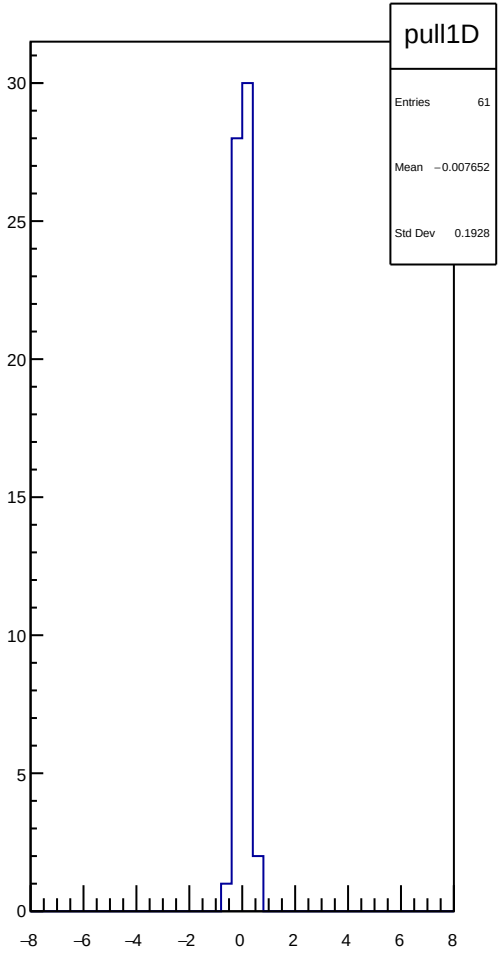

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 7.406 / 60
p0 −0.06723 ± 0.03612
pull
Entries 61
Mean −43.82
Std Dev 0
pull1D
Entries 61
Mean −0.02626
Std Dev 0.3474

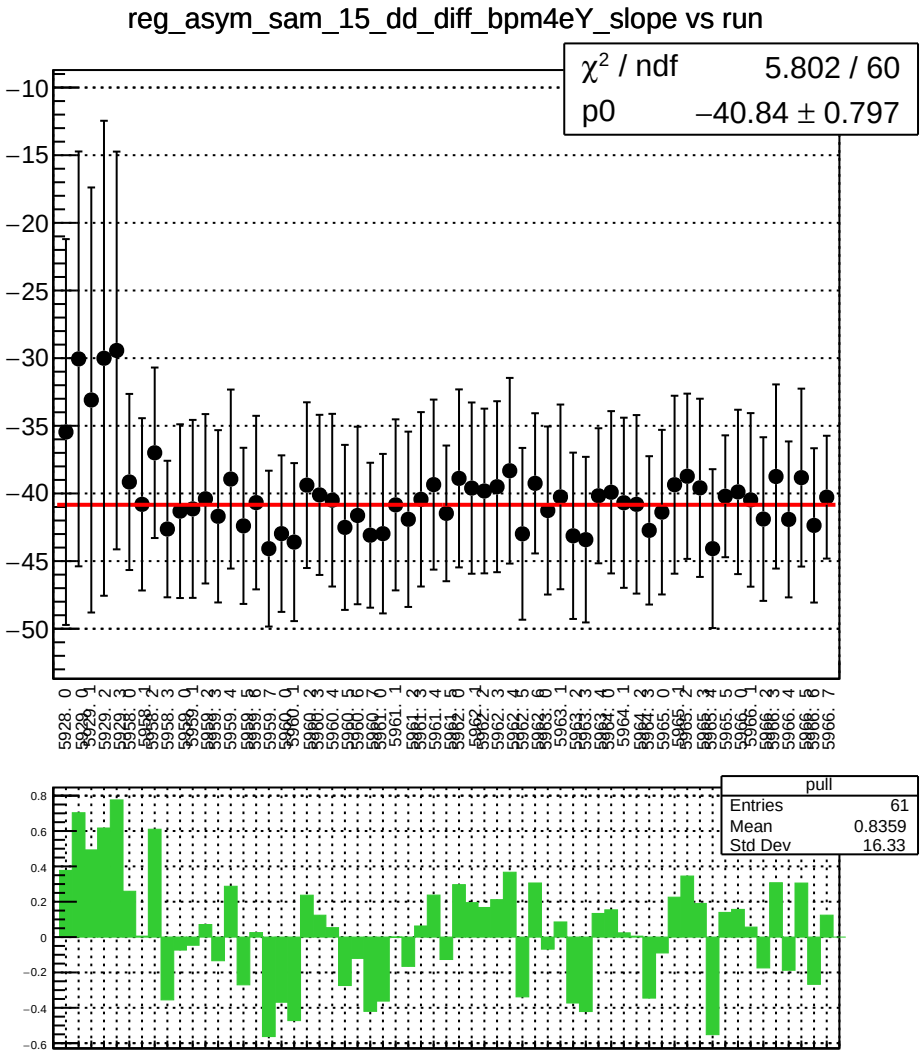

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.189 / 60
p0 −1.617 ± 0.9619
pull
Entries 61
Mean −751.5
Std Dev 0

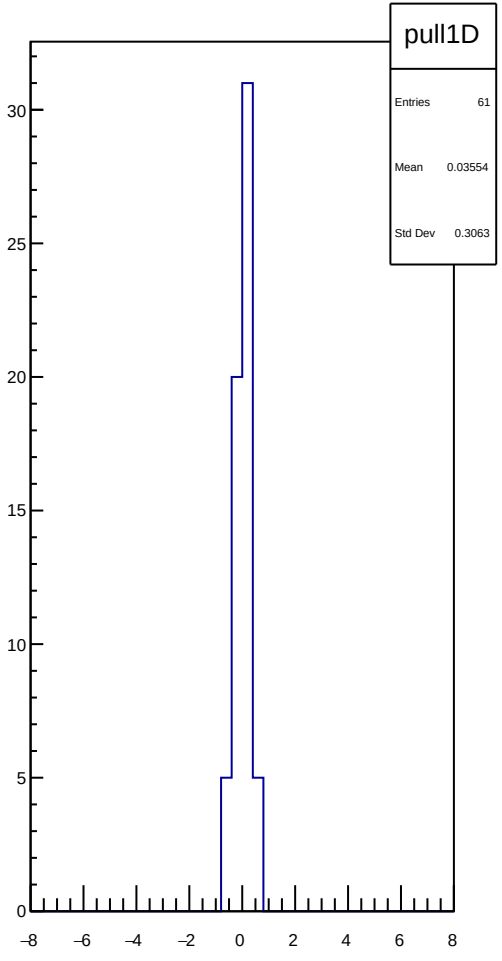

pull1D
Entries 61
Mean 0.001094
Std Dev 0.1894

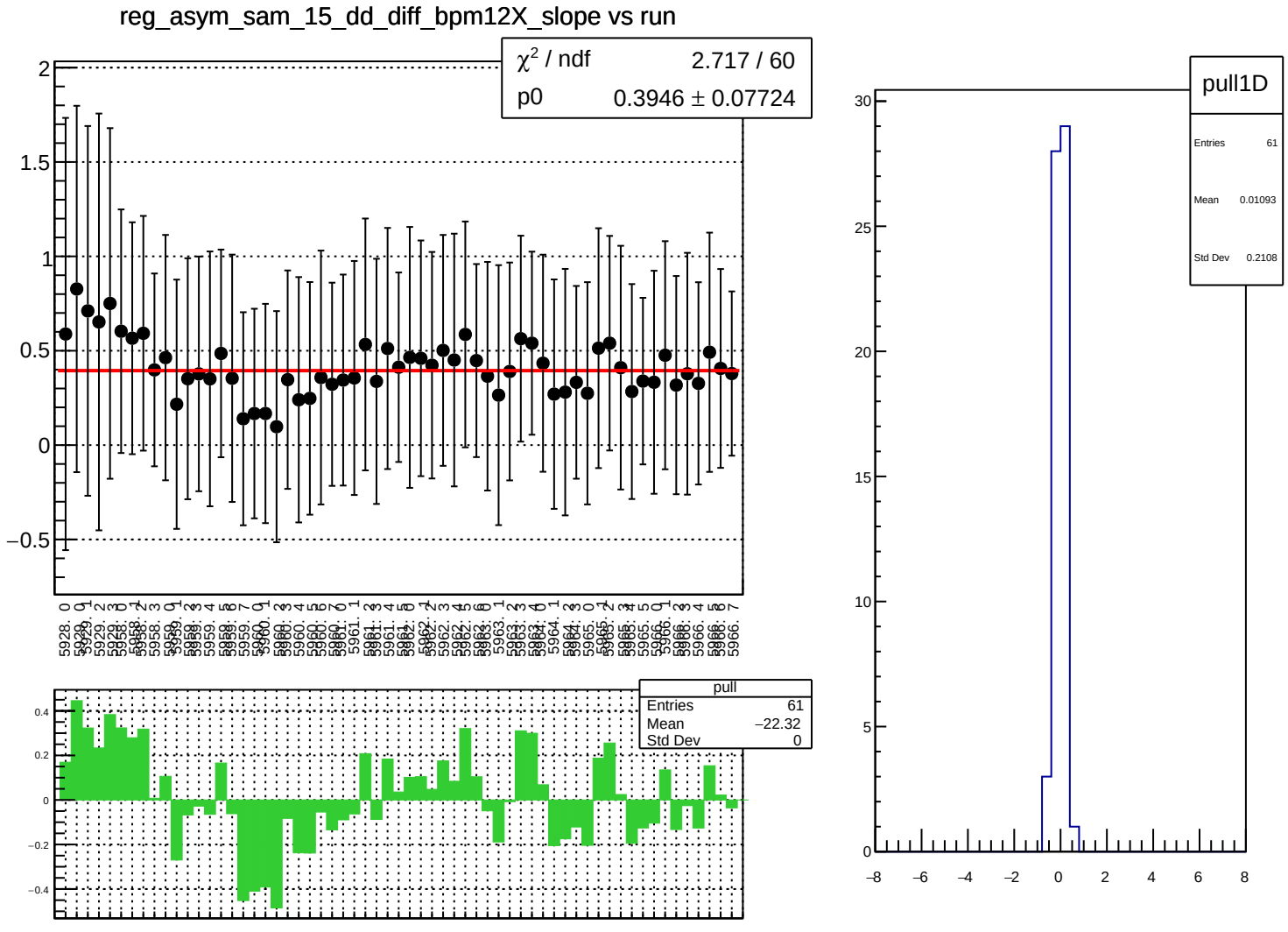

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.271 / 60
p0 −55.1 ± 0.6207
pull
Entries 61
Mean −5.834
Std Dev 0
pull1D
Entries 61
Mean −0.04407
Std Dev 0.3176

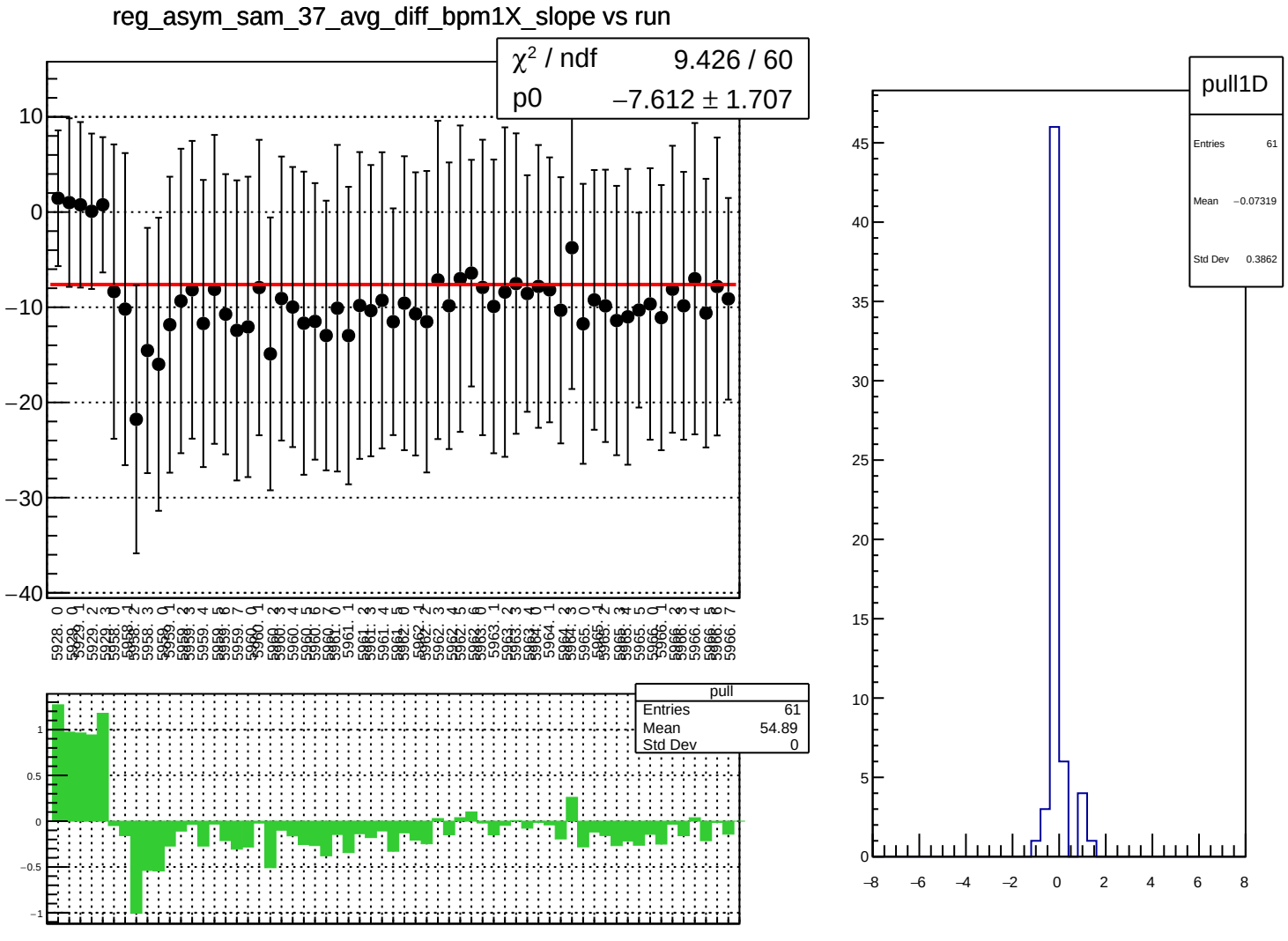

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.271 / 60
p0 −4.978 ± 0.9712
pull
Entries 61
Mean −102.2
Std Dev 0

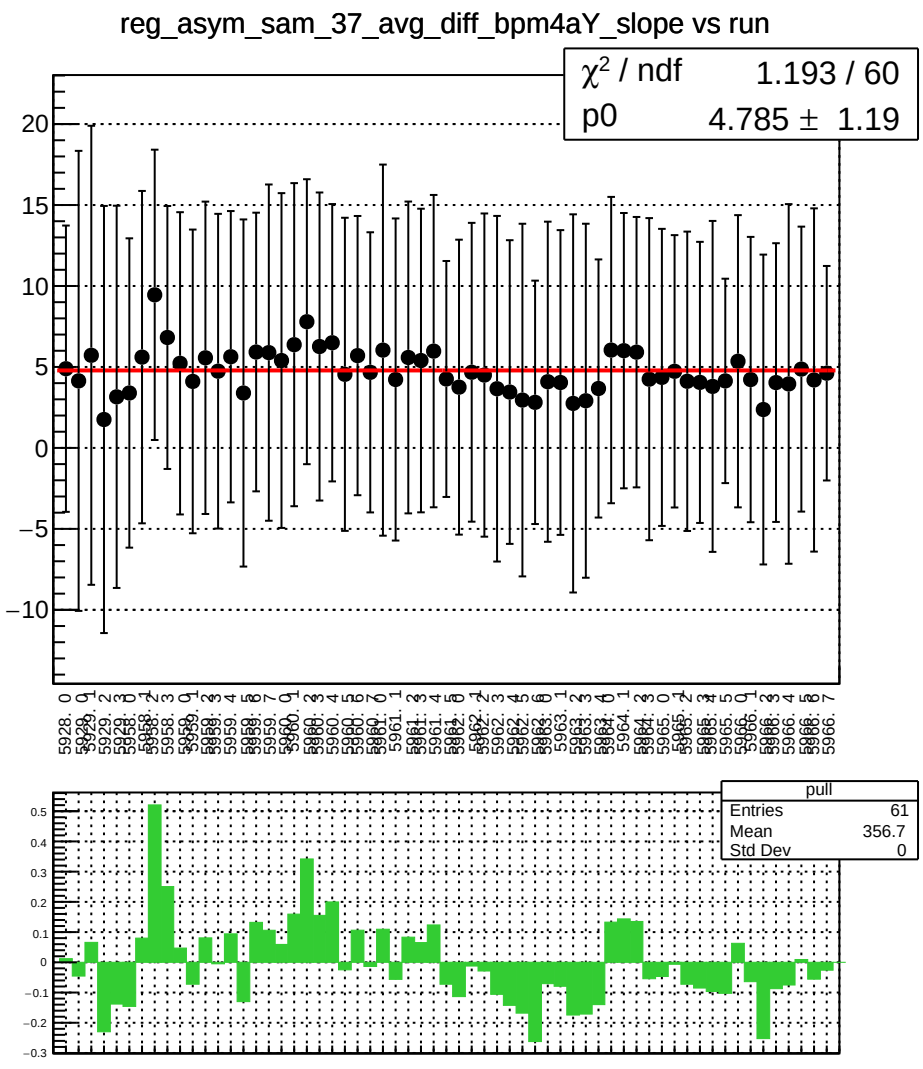

pull1D
Entries 61
Mean −0.007652
Std Dev 0.1928

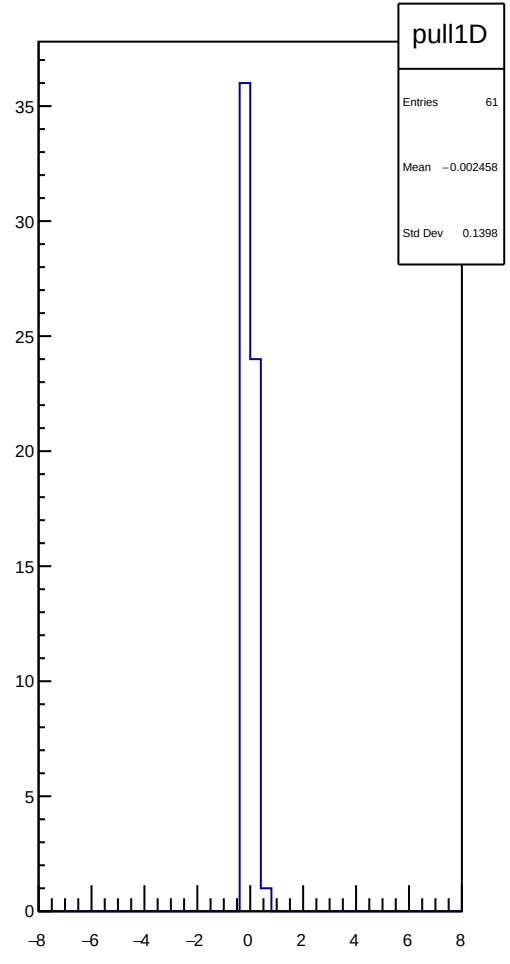

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.802 / 60
p0 −40.84 ± 0.797
pull
Entries 61
Mean 0.8359
Std Dev 16.33

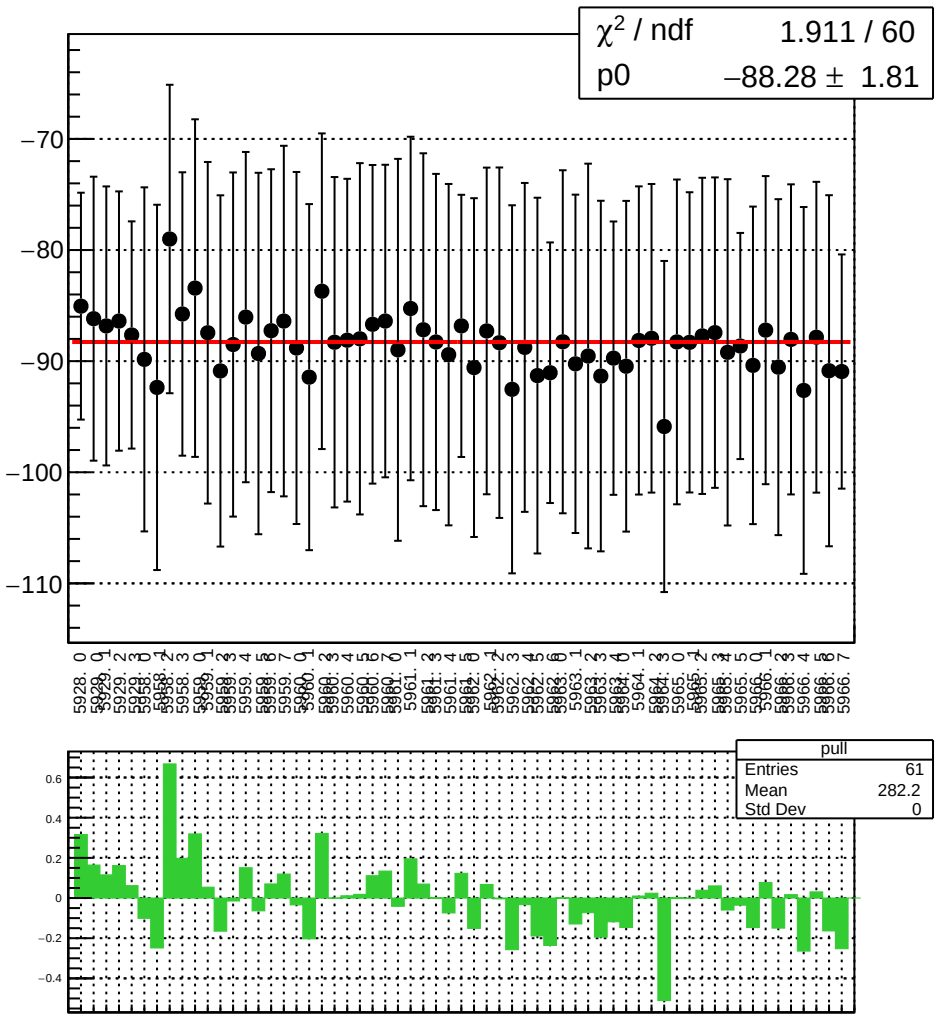

pull1D
Entries 61
Mean 0.03554
Std Dev 0.3063

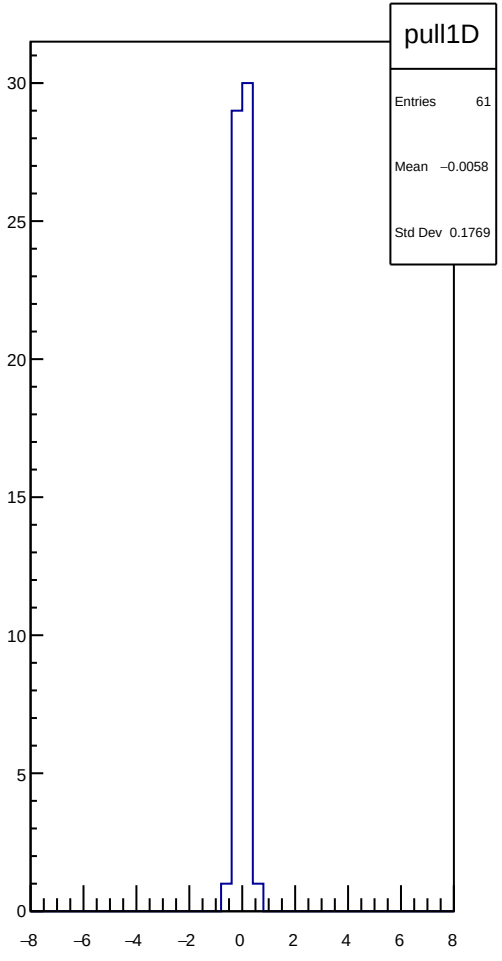

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 2.717 / 60
p0 0.3946 ± 0.07724
pull
Entries 61
Mean −22.32
Std Dev 0
pull1D
Entries 61
Mean 0.01093
Std Dev 0.2108

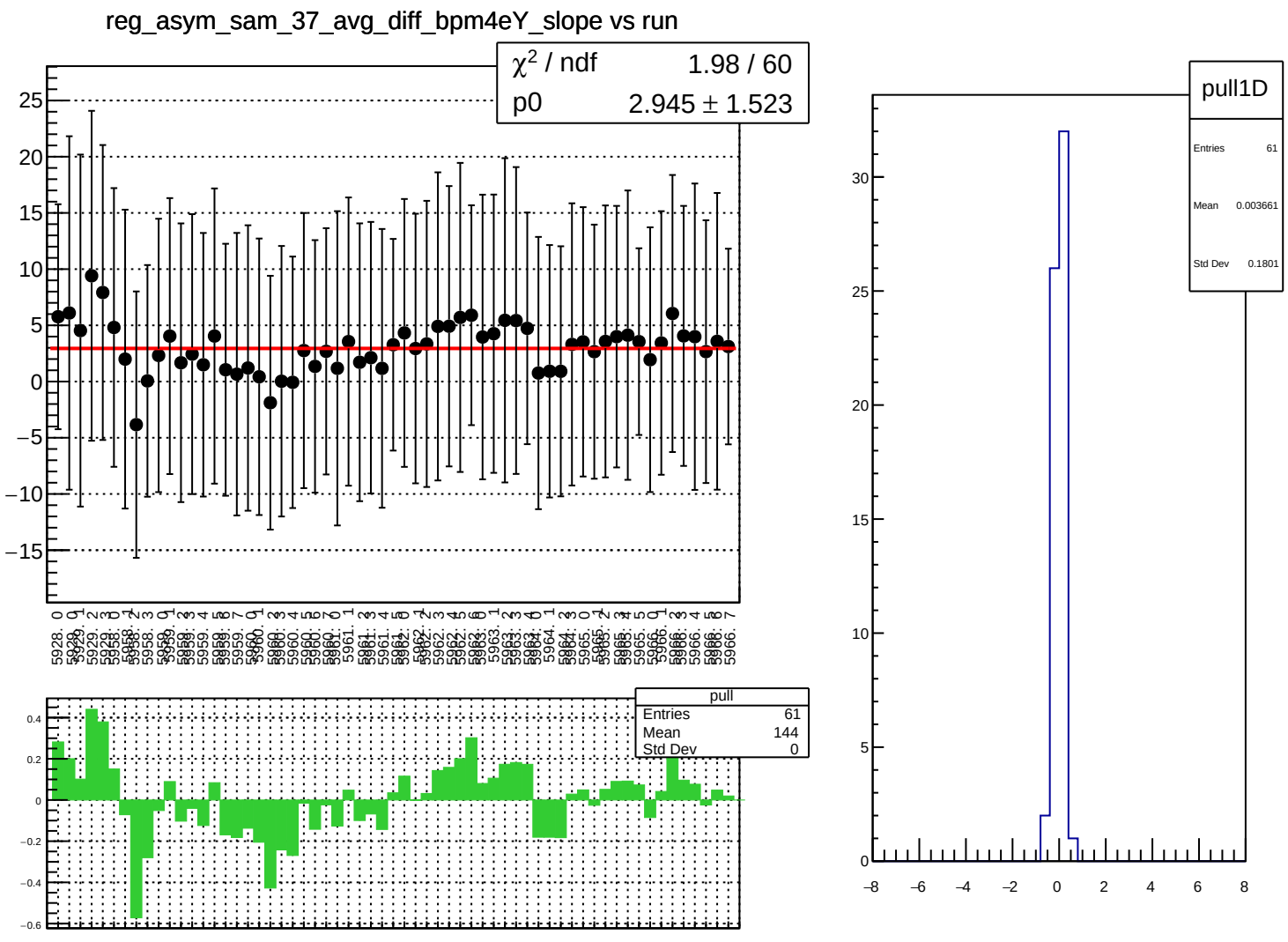

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 9.426 / 60
p0 −7.612 ± 1.707
pull
Entries 61
Mean 54.89
Std Dev 0
pull1D
Entries 61
Mean −0.07319
Std Dev 0.3862

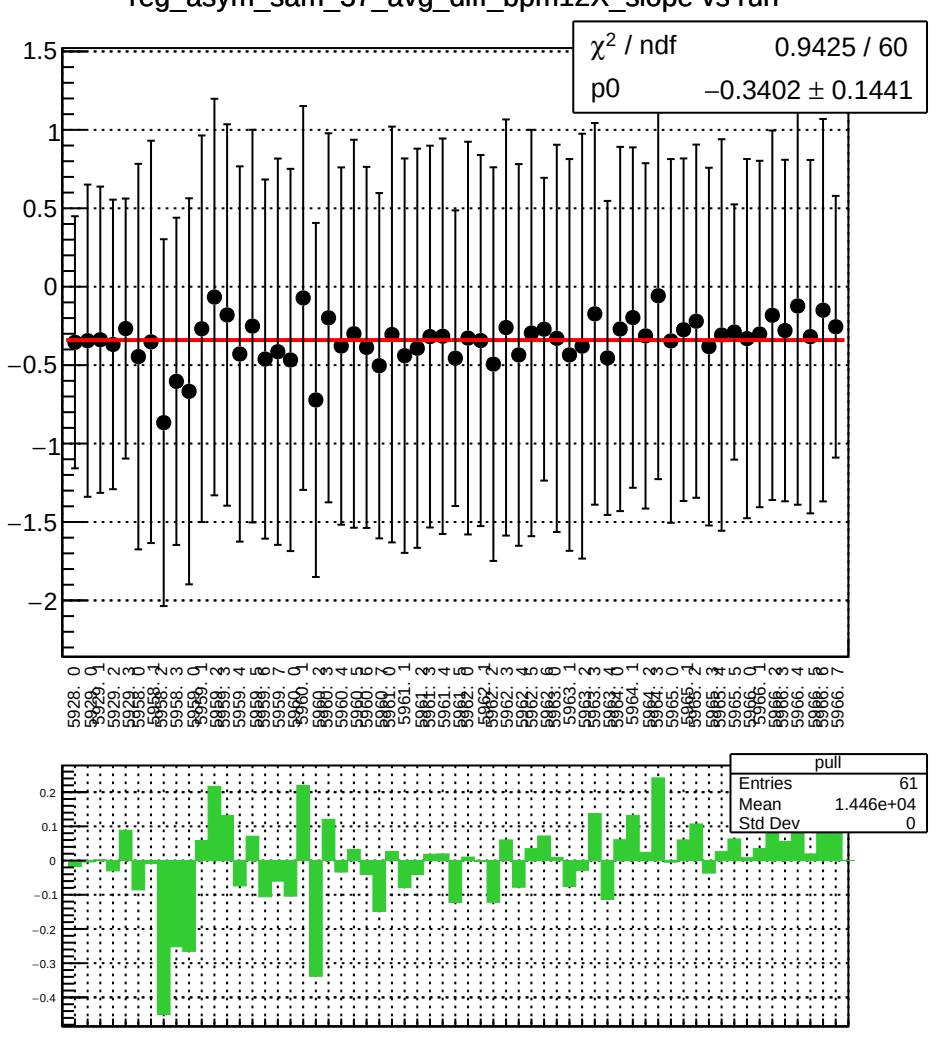

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.193 / 60
p0 4.785 ± 1.19
pull
Entries 61
Mean 356.7
Std Dev 0

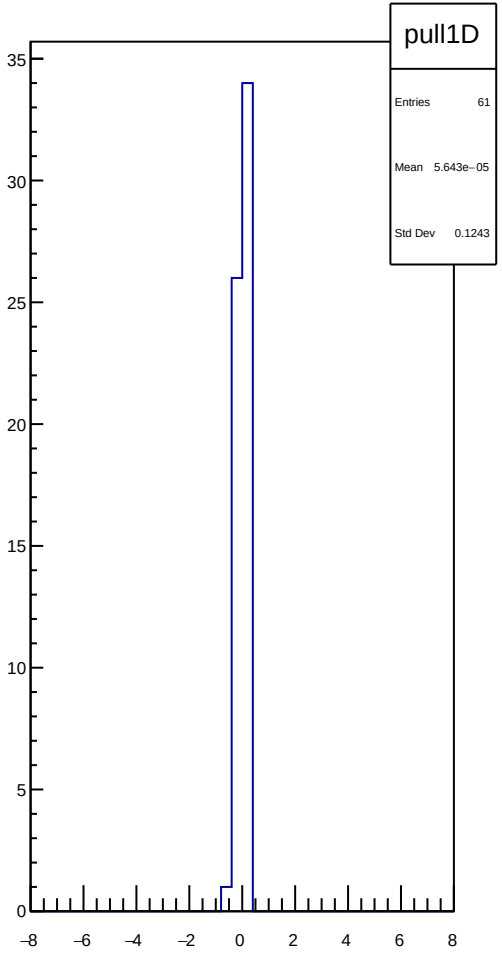

pull1D
Entries 61
Mean −0.002458
Std Dev 0.1398

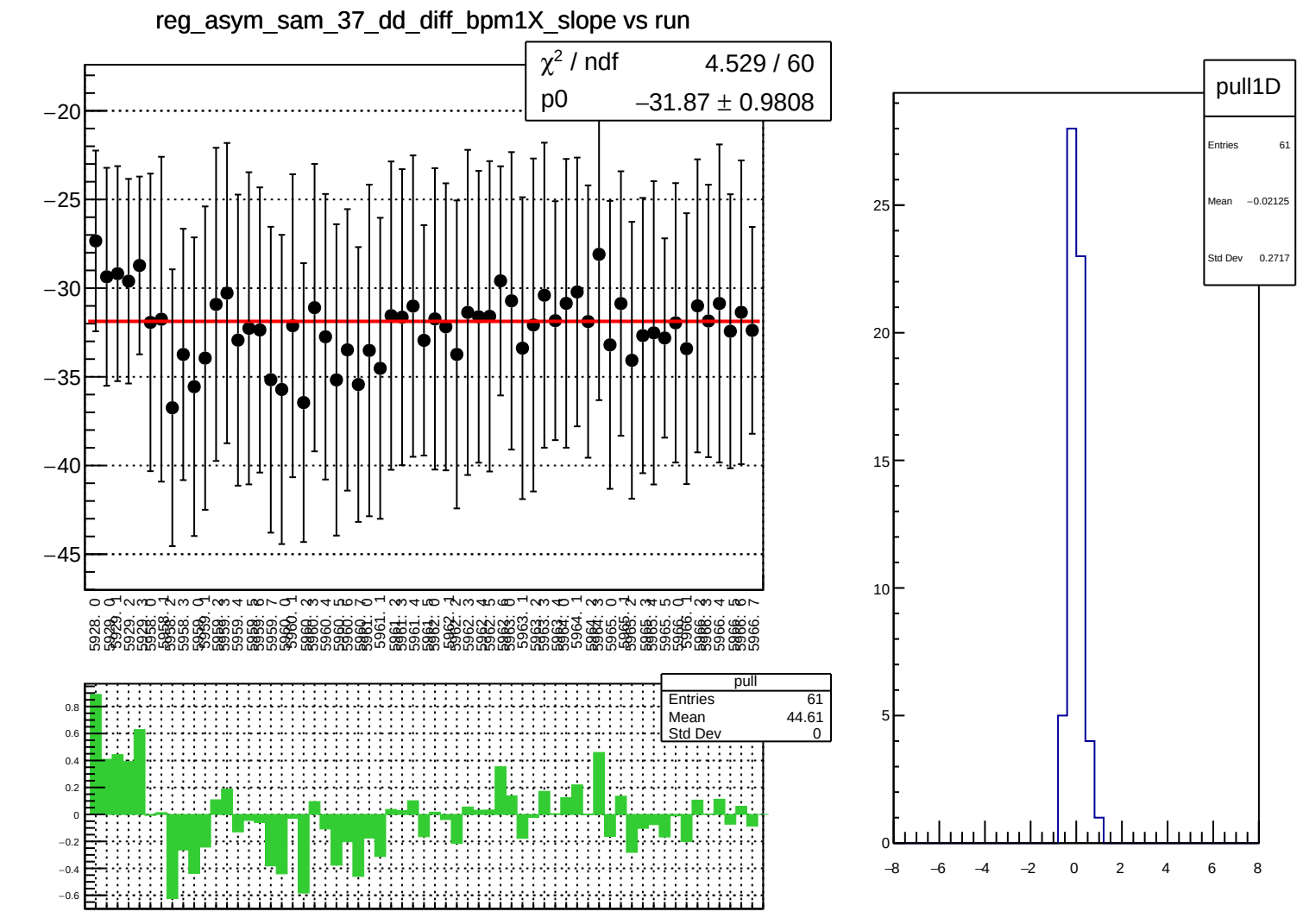

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.911 / 60
p0 −88.28 ± 1.81
pull
Entries 61
Mean 282.2
Std Dev 0

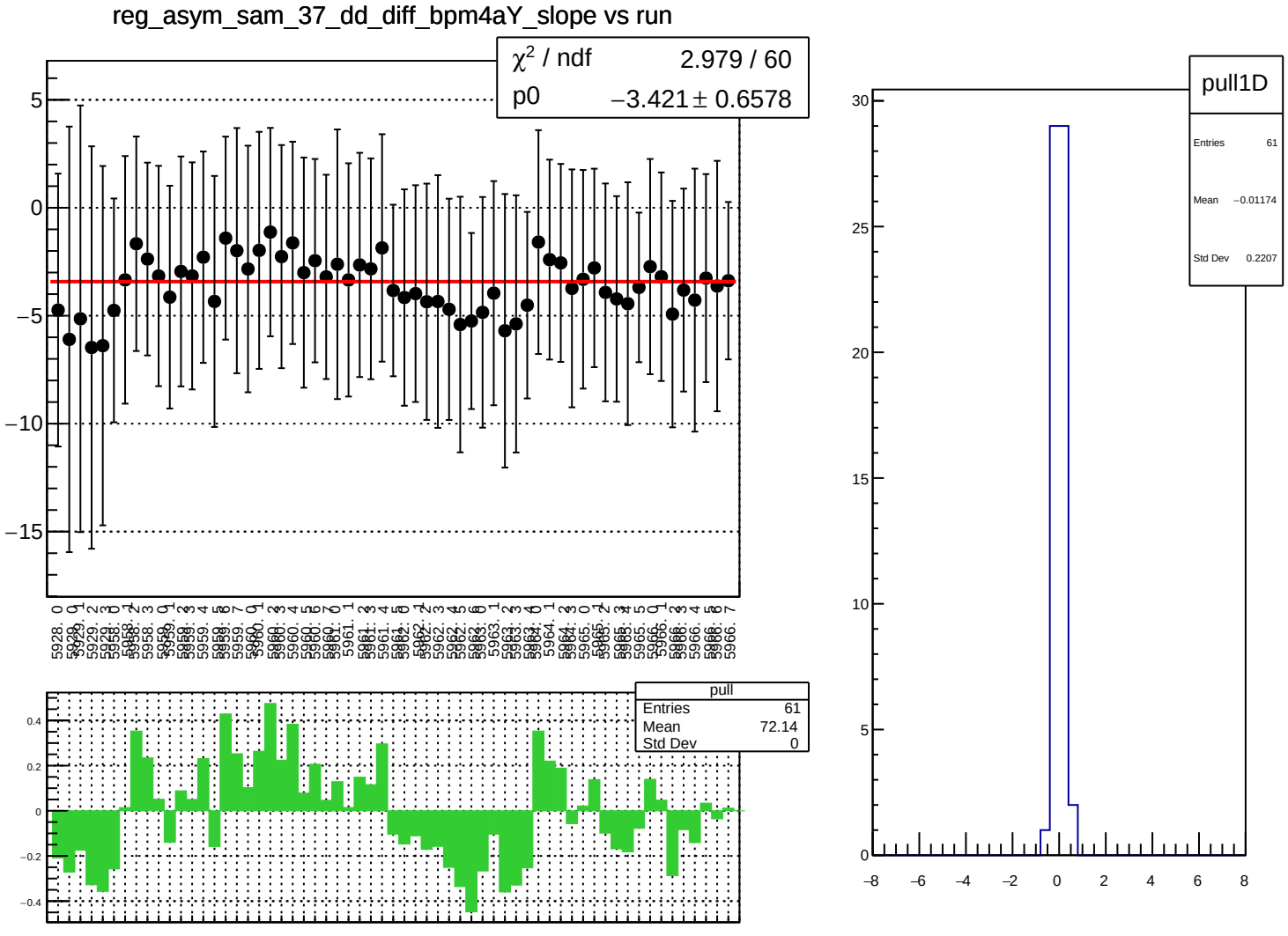

pull1D
Entries 61
Mean −0.0058
Std Dev 0.1769

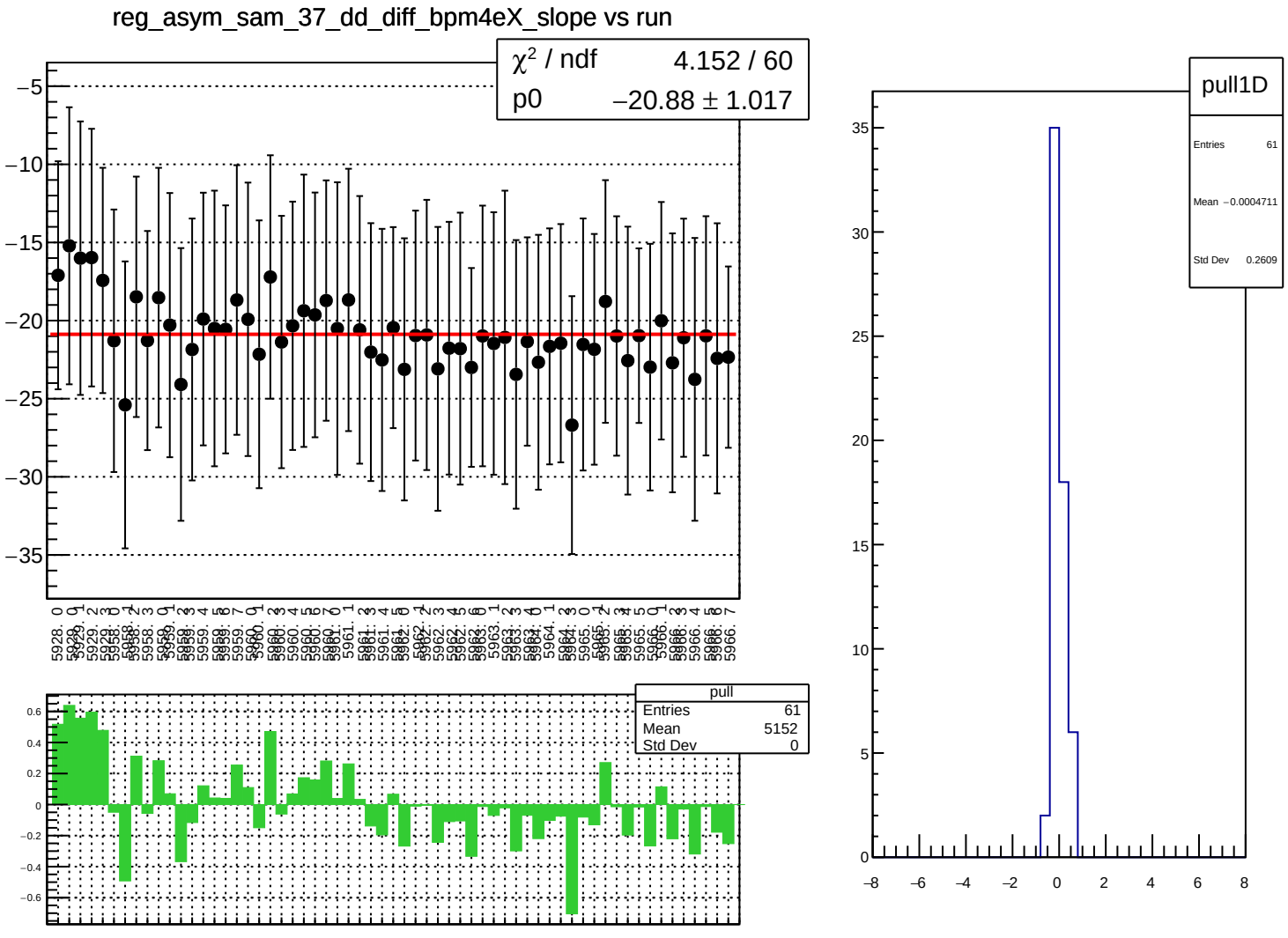

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.98 / 60
p0 2.945 ± 1.523
pull
Entries 61
Mean 144
Std Dev 0
pull1D
Entries 61
Mean 0.003661
Std Dev 0.1801

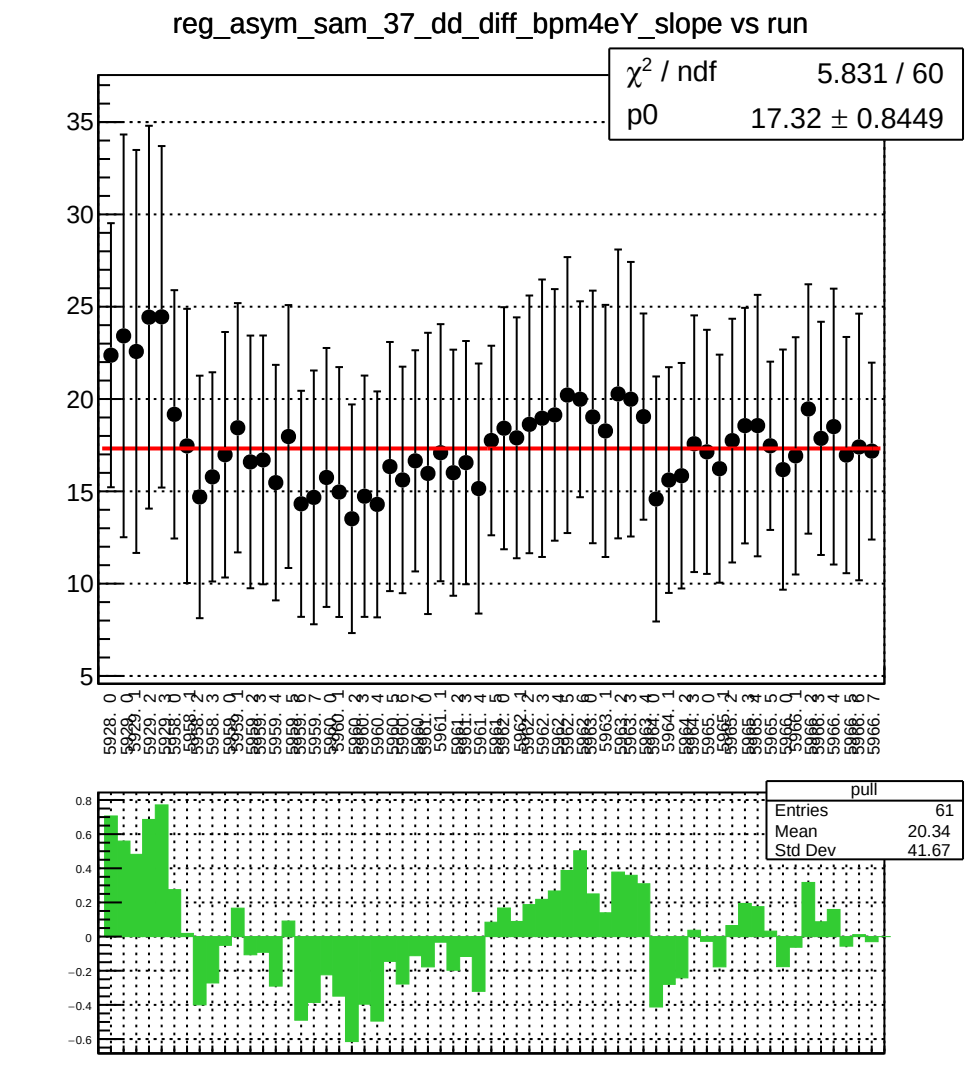

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 0.9425 / 60
p0 −0.3402 ± 0.1441
pull
Entries 61
Mean 1.446e+04
Std Dev 0

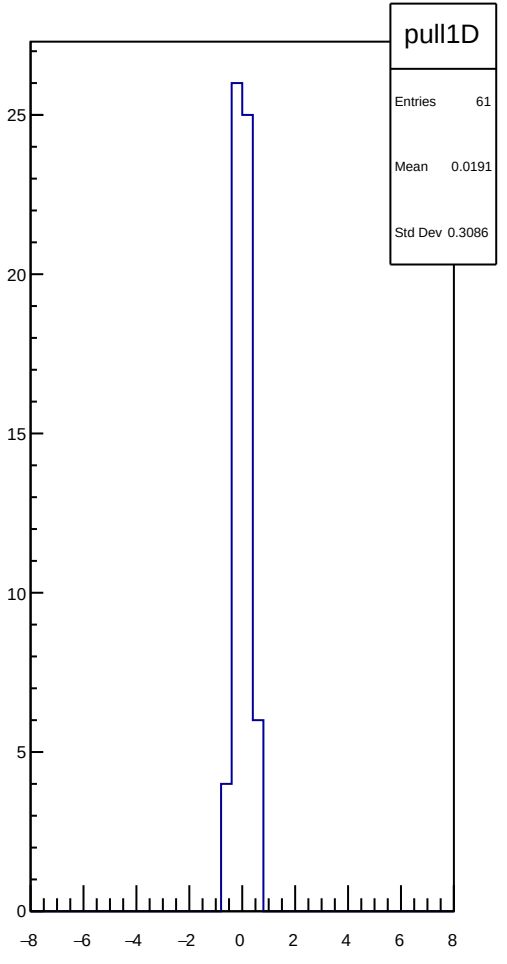

pull1D
Entries 61
Mean 5.643e−05
Std Dev 0.1243

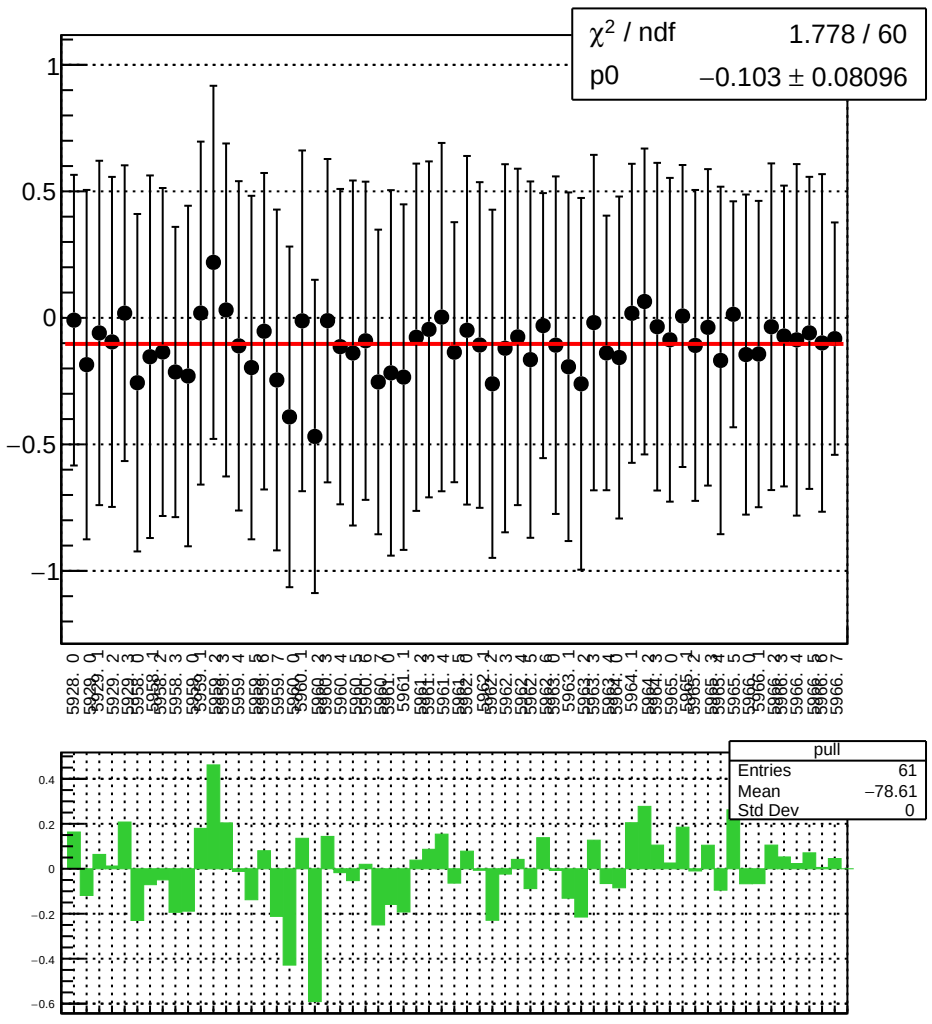

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.529 / 60
p0 −31.87 ± 0.9808
pull
Entries 61
Mean 44.61
Std Dev 0
pull1D
Entries 61
Mean −0.02125
Std Dev 0.2717

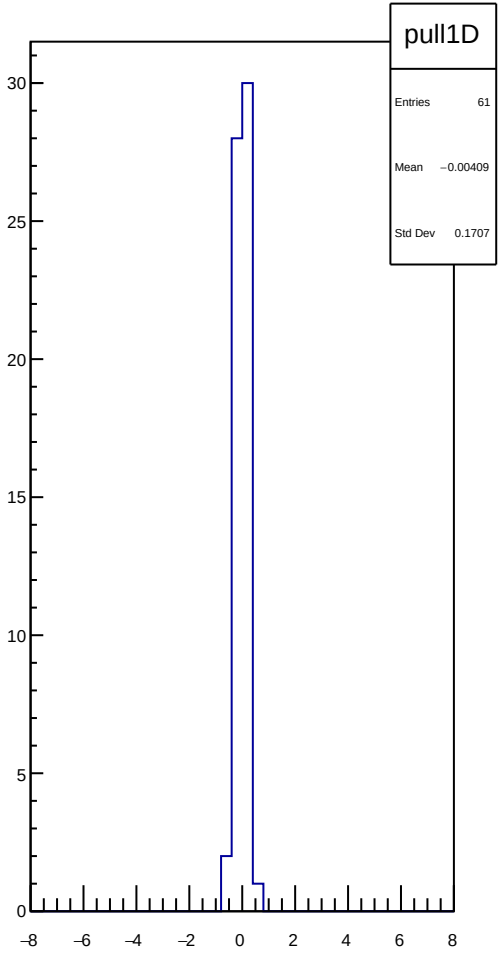

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.979 / 60
p0 −3.421 ± 0.6578
pull
Entries 61
Mean 72.14
Std Dev 0
pull1D
Entries 61
Mean −0.01174
Std Dev 0.2207

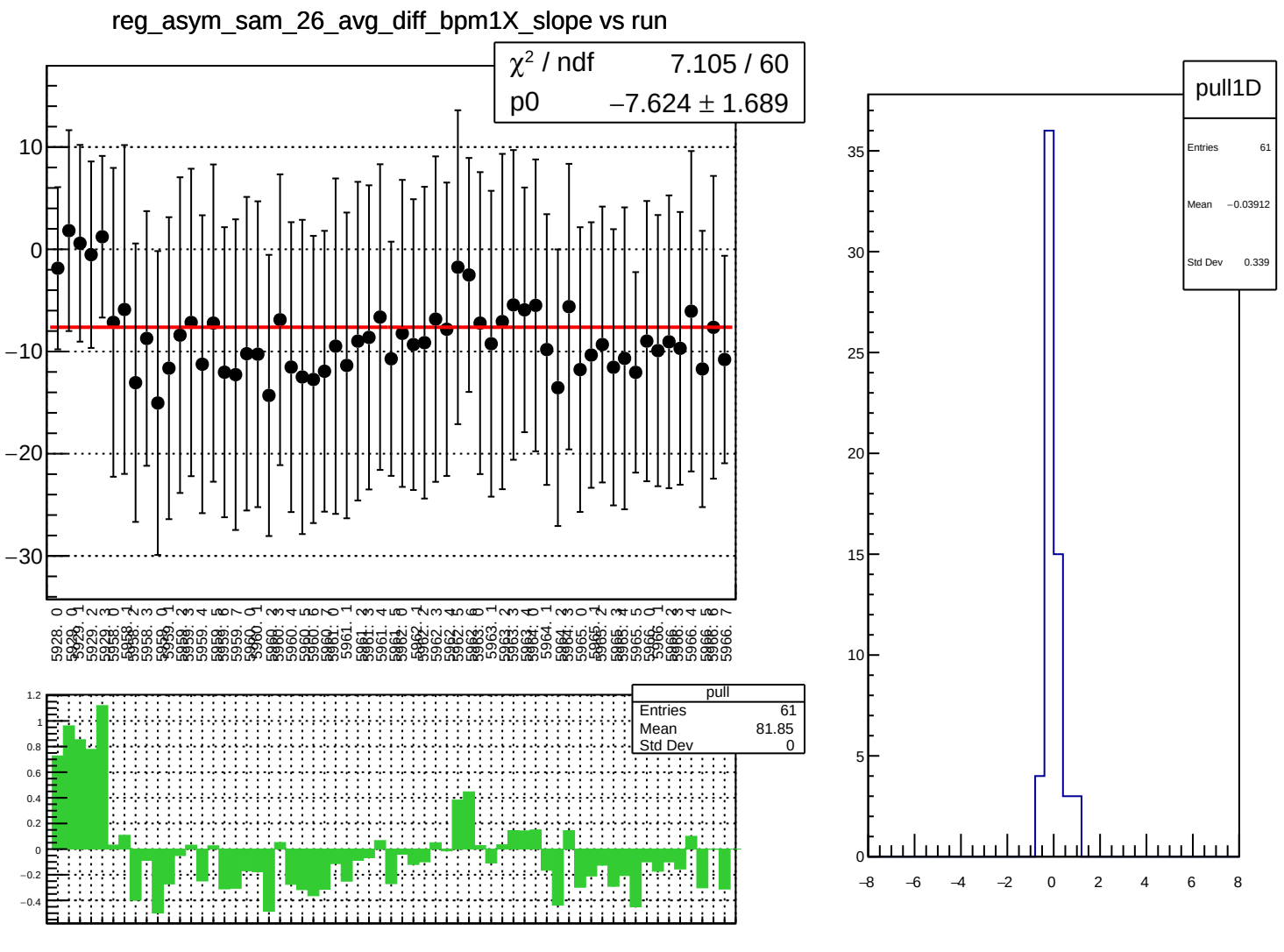

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.152 / 60
p0 −20.88 ± 1.017
pull
Entries 61
Mean 5152
Std Dev 0
pull1D
Entries 61
Mean −0.0004711
Std Dev 0.2609

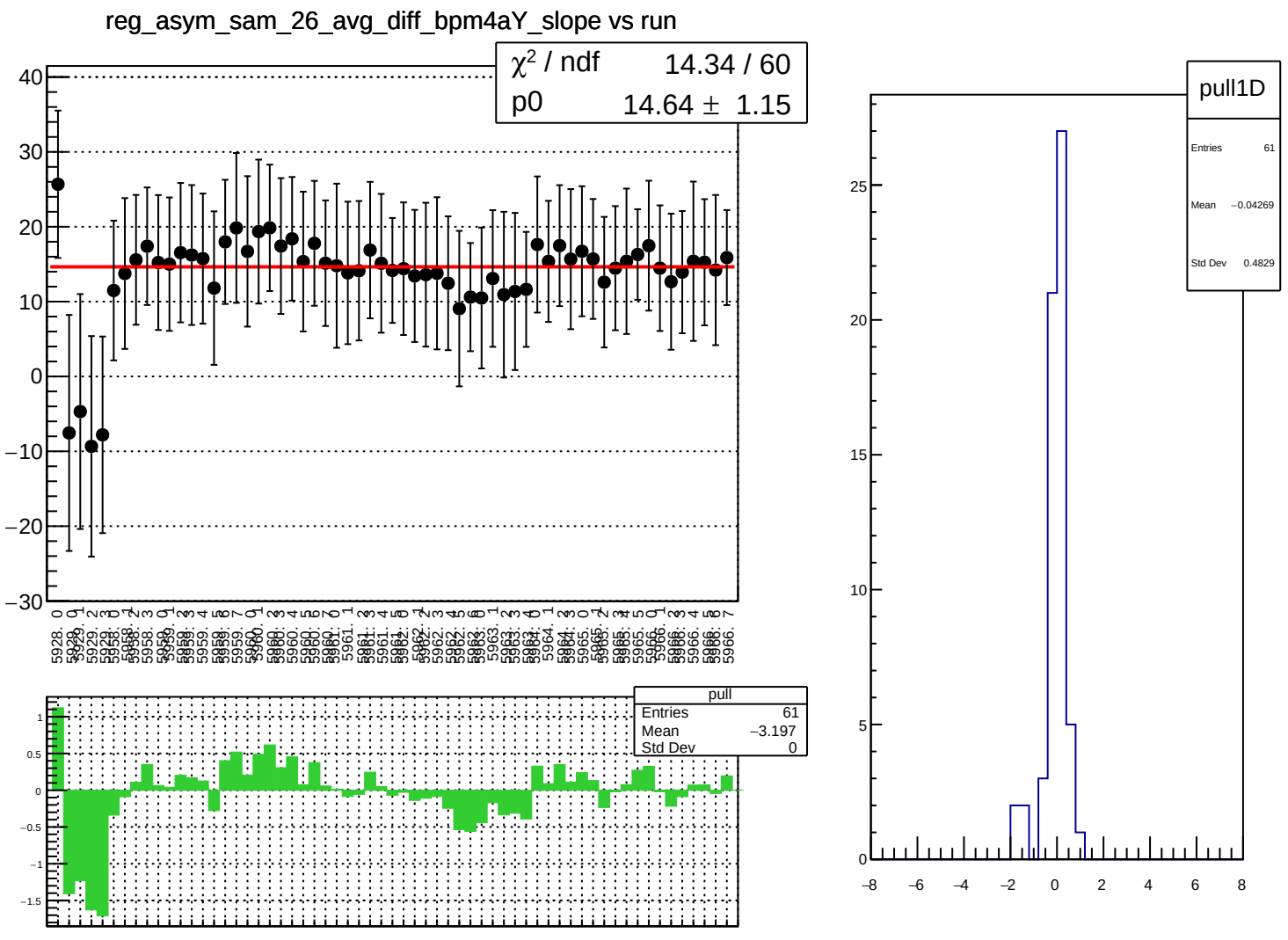

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.831 / 60
p0 17.32 ± 0.8449
pull
Entries 61
Mean 20.34
Std Dev 41.67

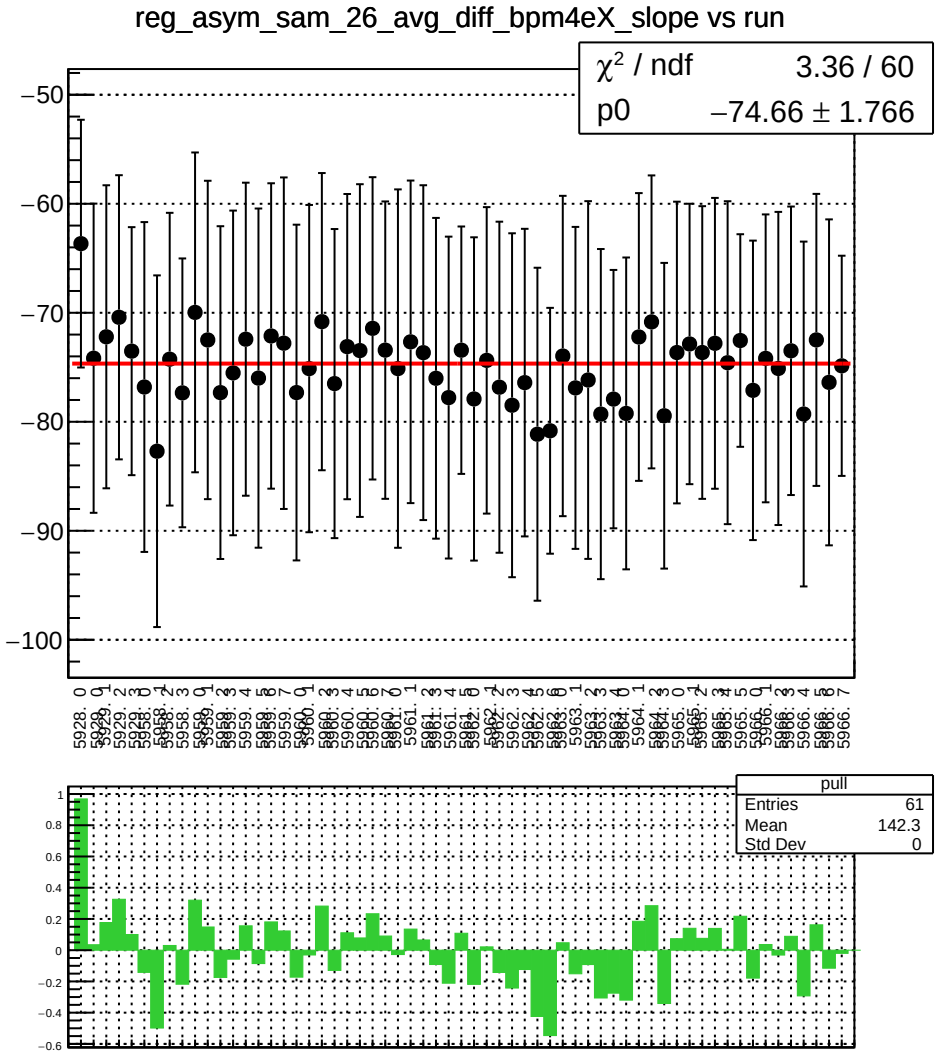

pull1D
Entries 61
Mean 0.0191
Std Dev 0.3086

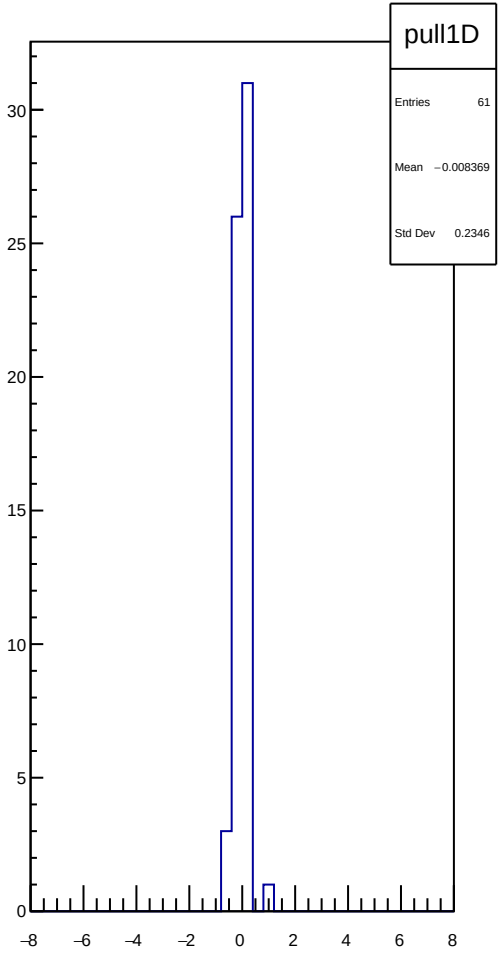

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.778 / 60
p0 −0.103 ± 0.08096
pull
Entries 61
Mean −78.61
Std Dev 0

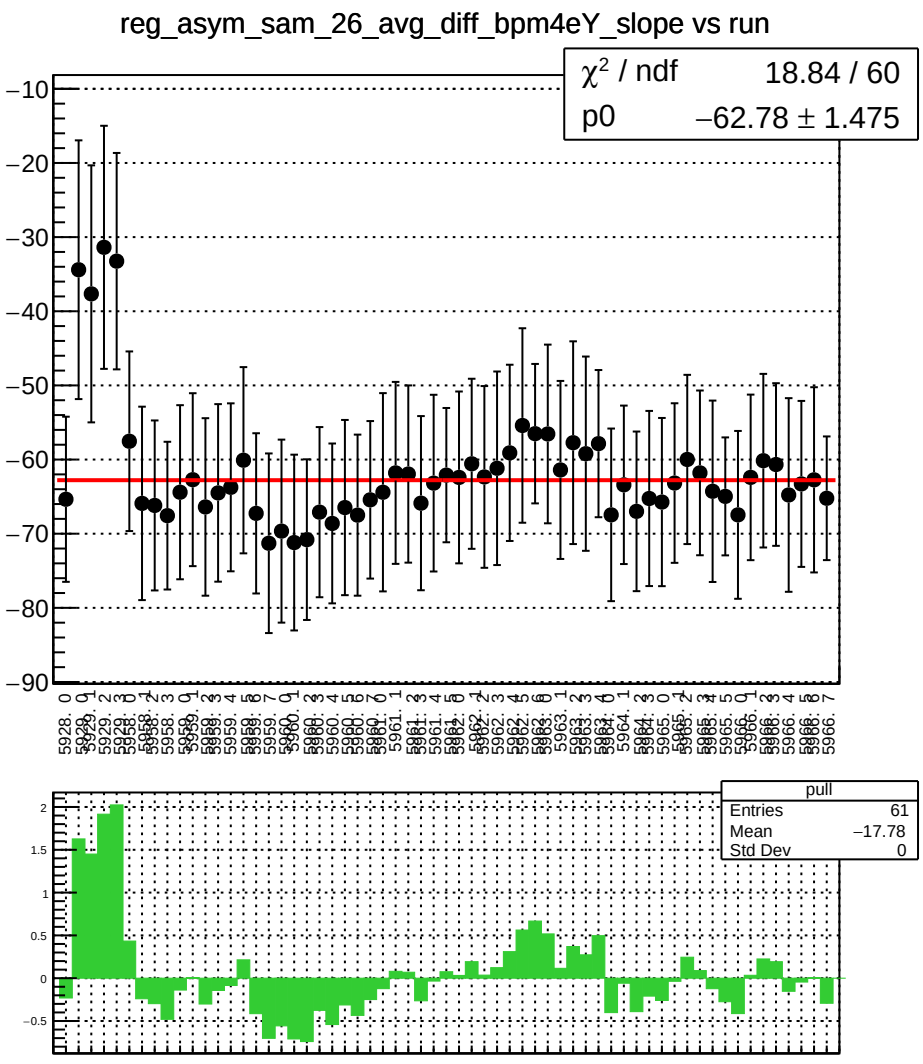

pull1D
Entries 61
Mean −0.00409
Std Dev 0.1707

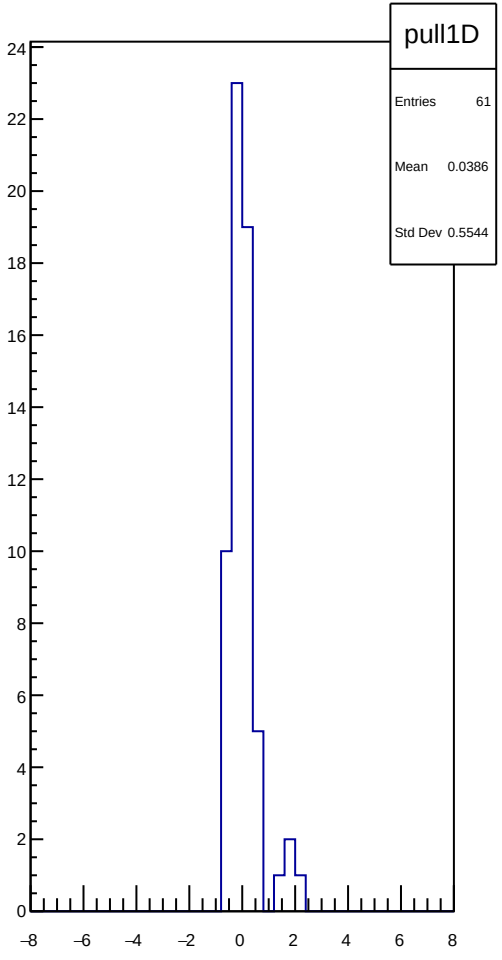

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 7.105 / 60
p0 −7.624 ± 1.689
pull
Entries 61
Mean 81.85
Std Dev 0
pull1D
Entries 61
Mean −0.03912
Std Dev 0.339

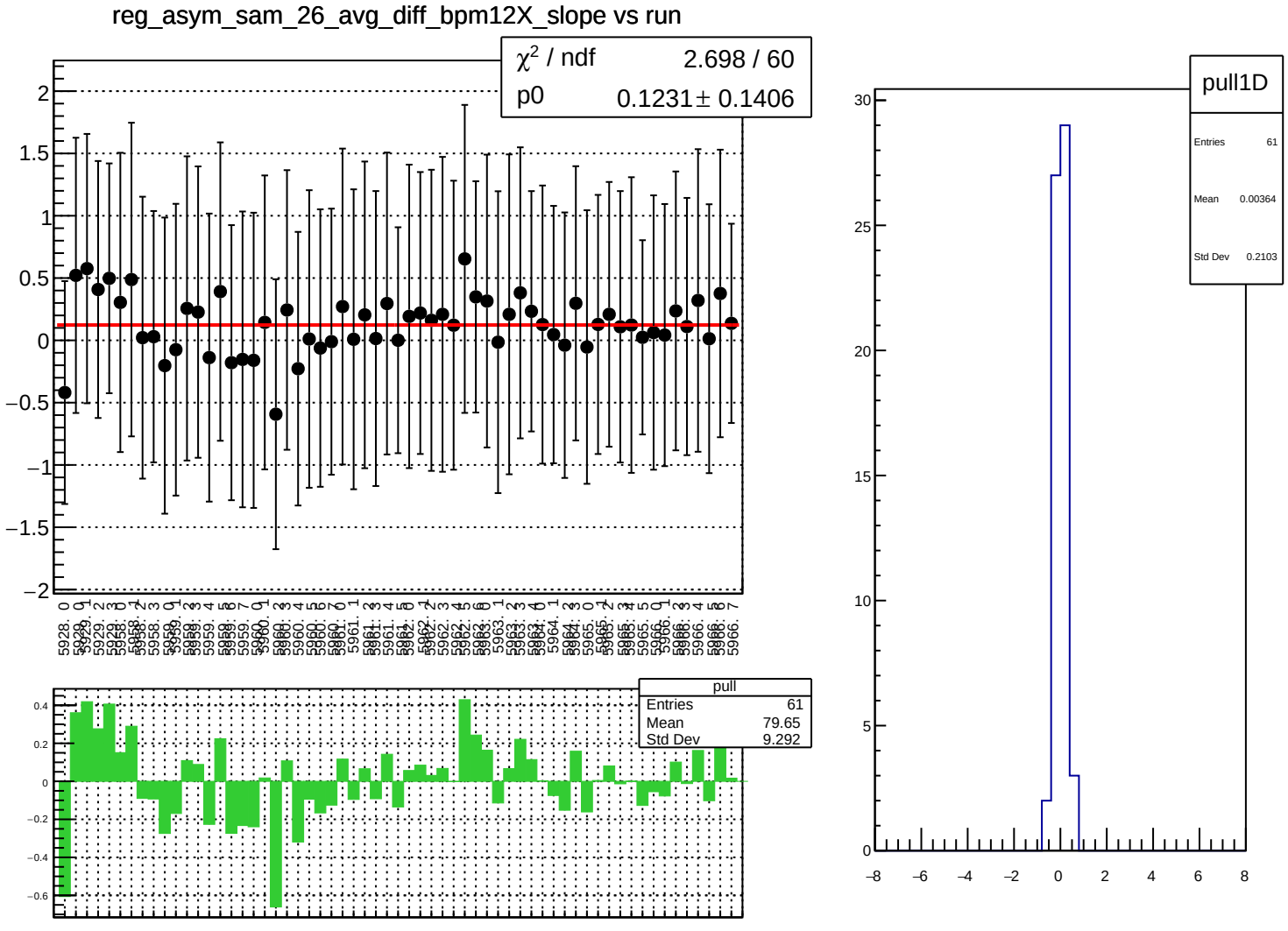

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.34 / 60
p0 14.64 ± 1.15
pull
Entries 61
Mean −3.197
Std Dev 0
pull1D
Entries 61
Mean −0.04269
Std Dev 0.4829

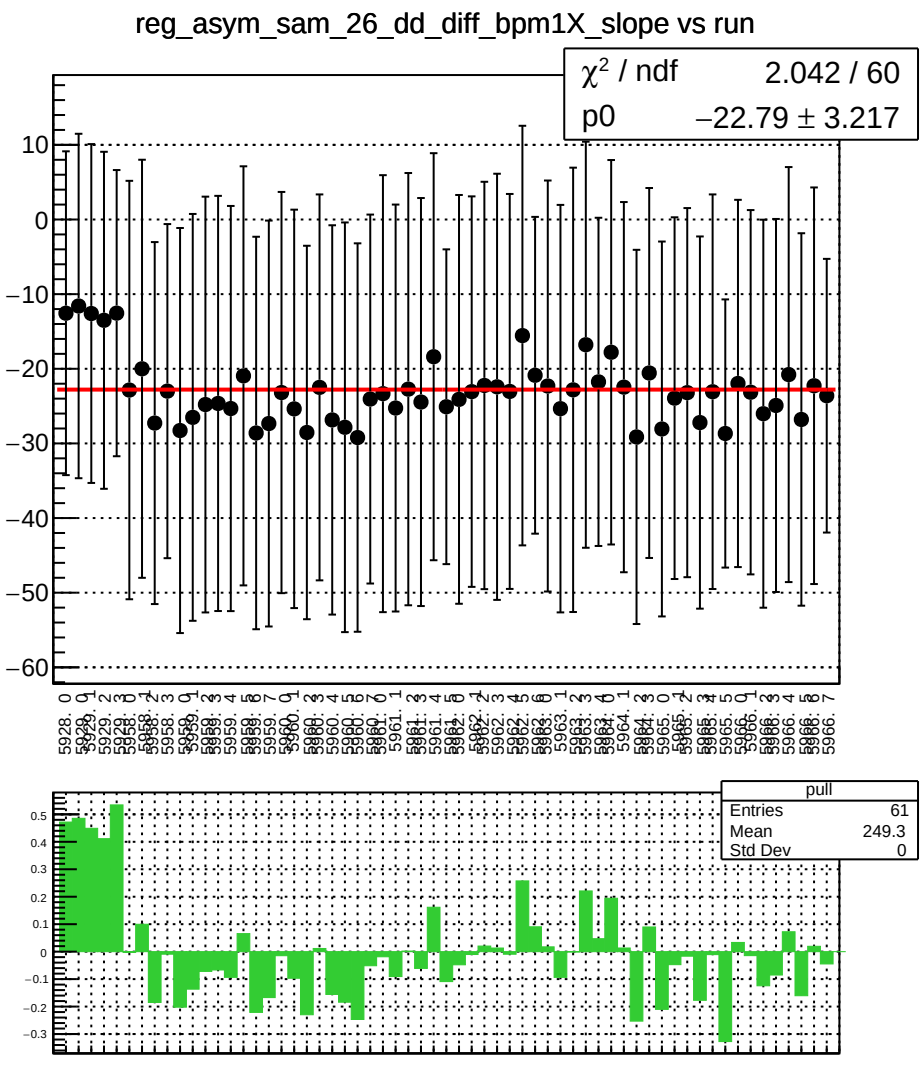

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.36 / 60
p0 −74.66 ± 1.766
pull
Entries 61
Mean 142.3
Std Dev 0

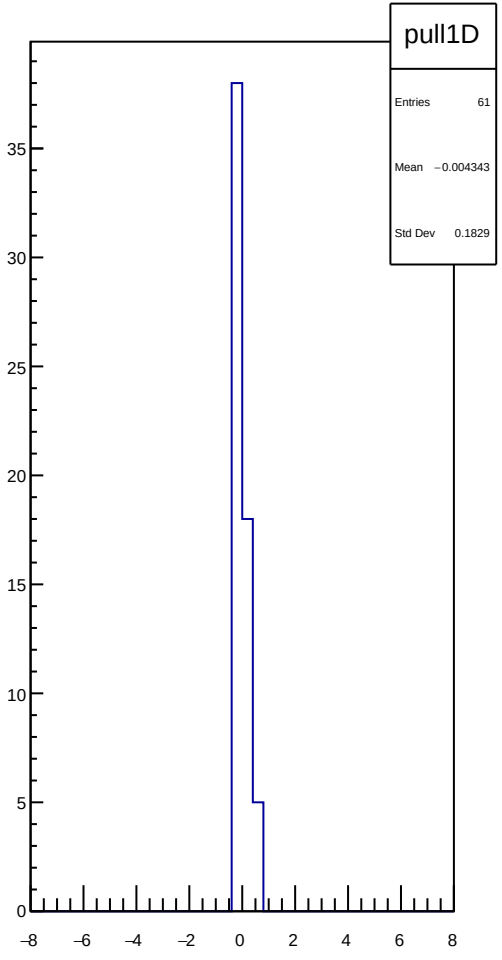

pull1D
Entries 61
Mean −0.008369
Std Dev 0.2346

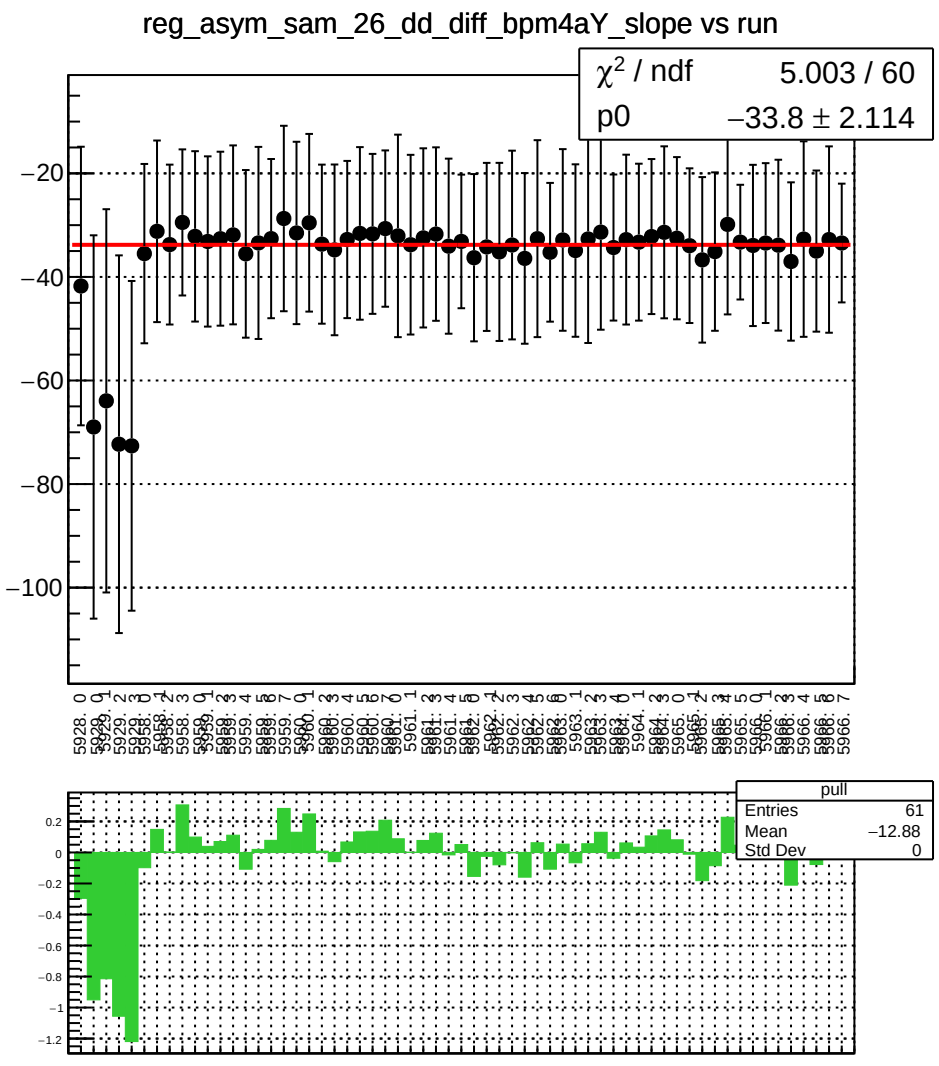

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.84 / 60
p0 −62.78 ± 1.475
pull
Entries 61
Mean −17.78
Std Dev 0

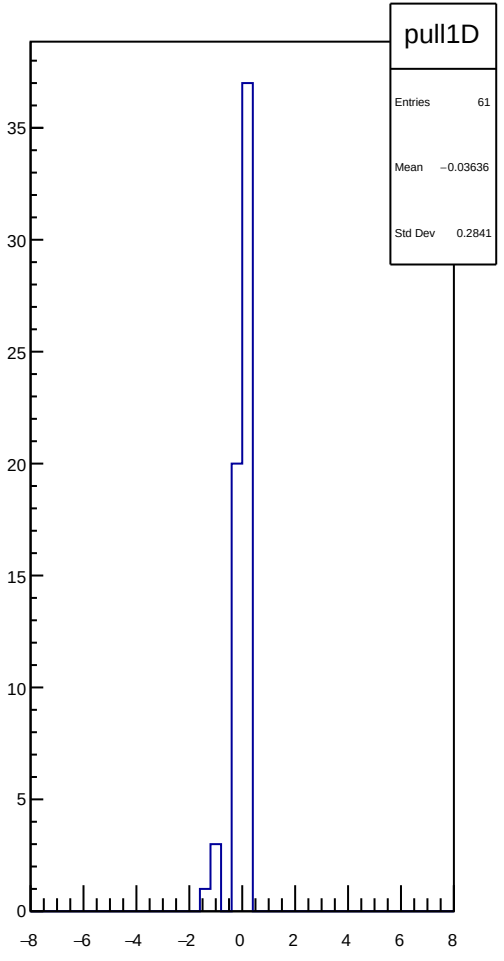

pull1D
Entries 61
Mean 0.0386
Std Dev 0.5544

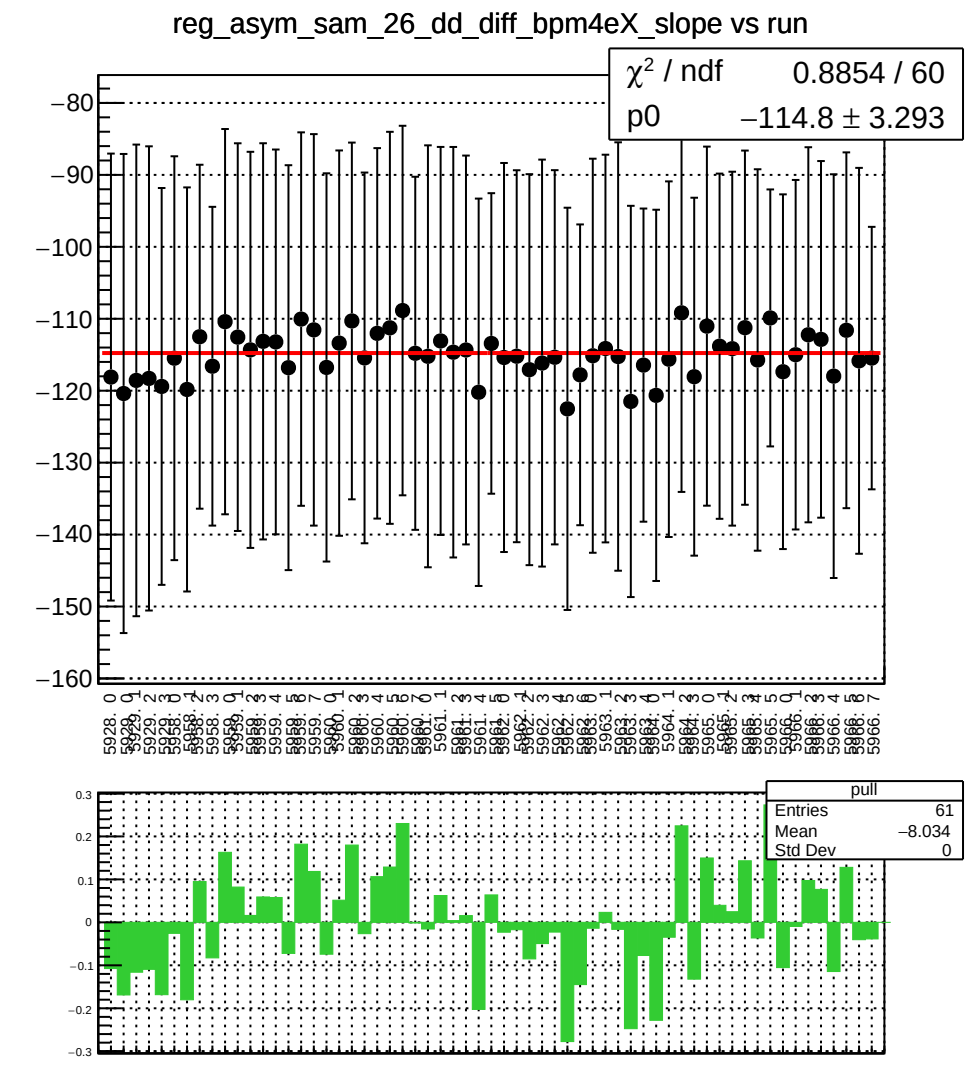

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.698 / 60
p0 0.1231 ± 0.1406
pull
Entries 61
Mean 79.65
Std Dev 9.292
pull1D
Entries 61
Mean 0.00364
Std Dev 0.2103

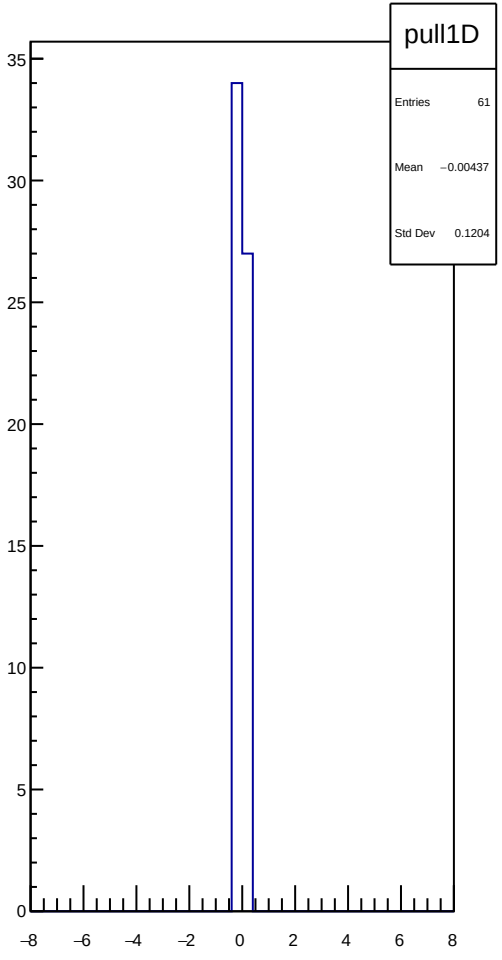

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.042 / 60
p0 −22.79 ± 3.217
pull
Entries 61
Mean 249.3
Std Dev 0

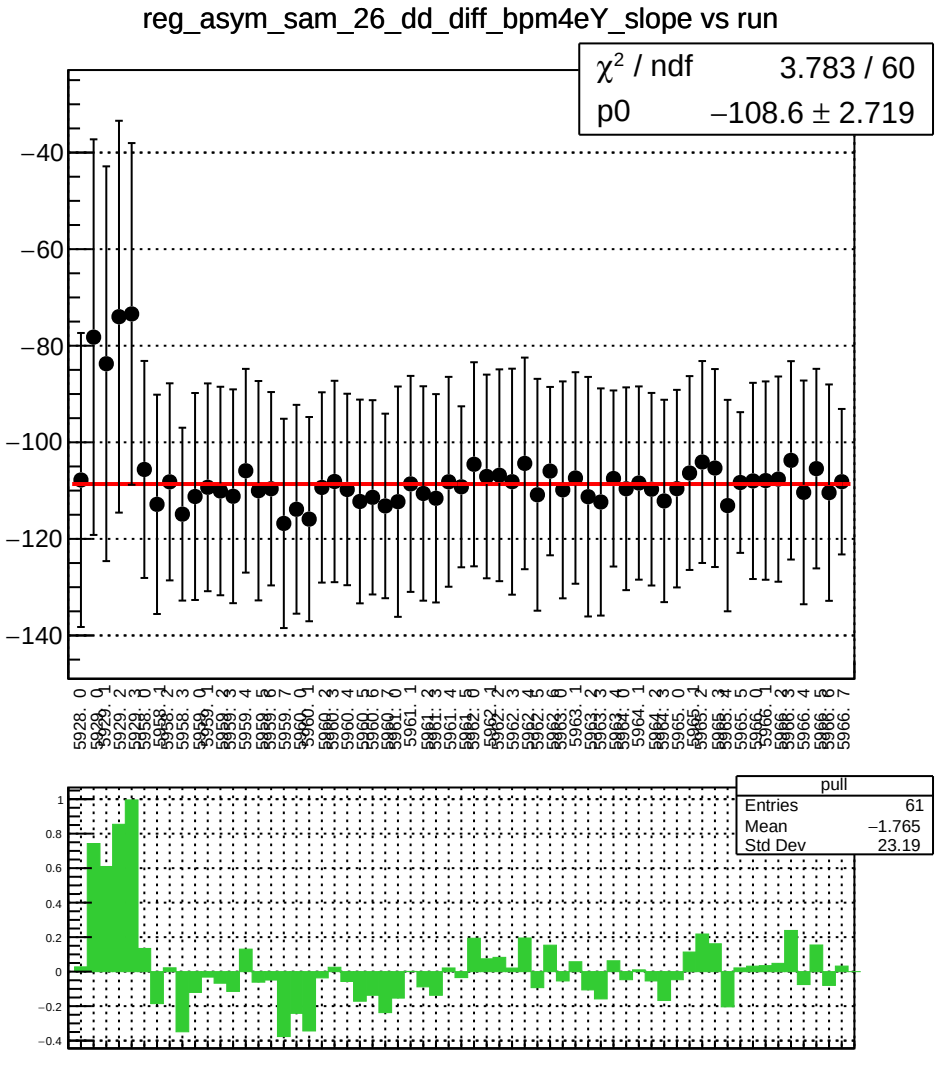

pull1D
Entries 61
Mean −0.004343
Std Dev 0.1829

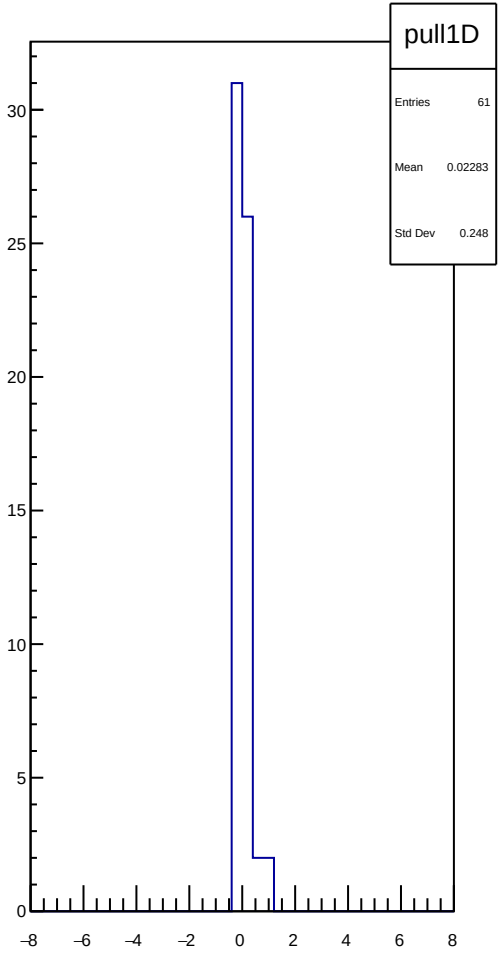

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.003 / 60
p0 −33.8 ± 2.114
pull
Entries 61
Mean −12.88
Std Dev 0

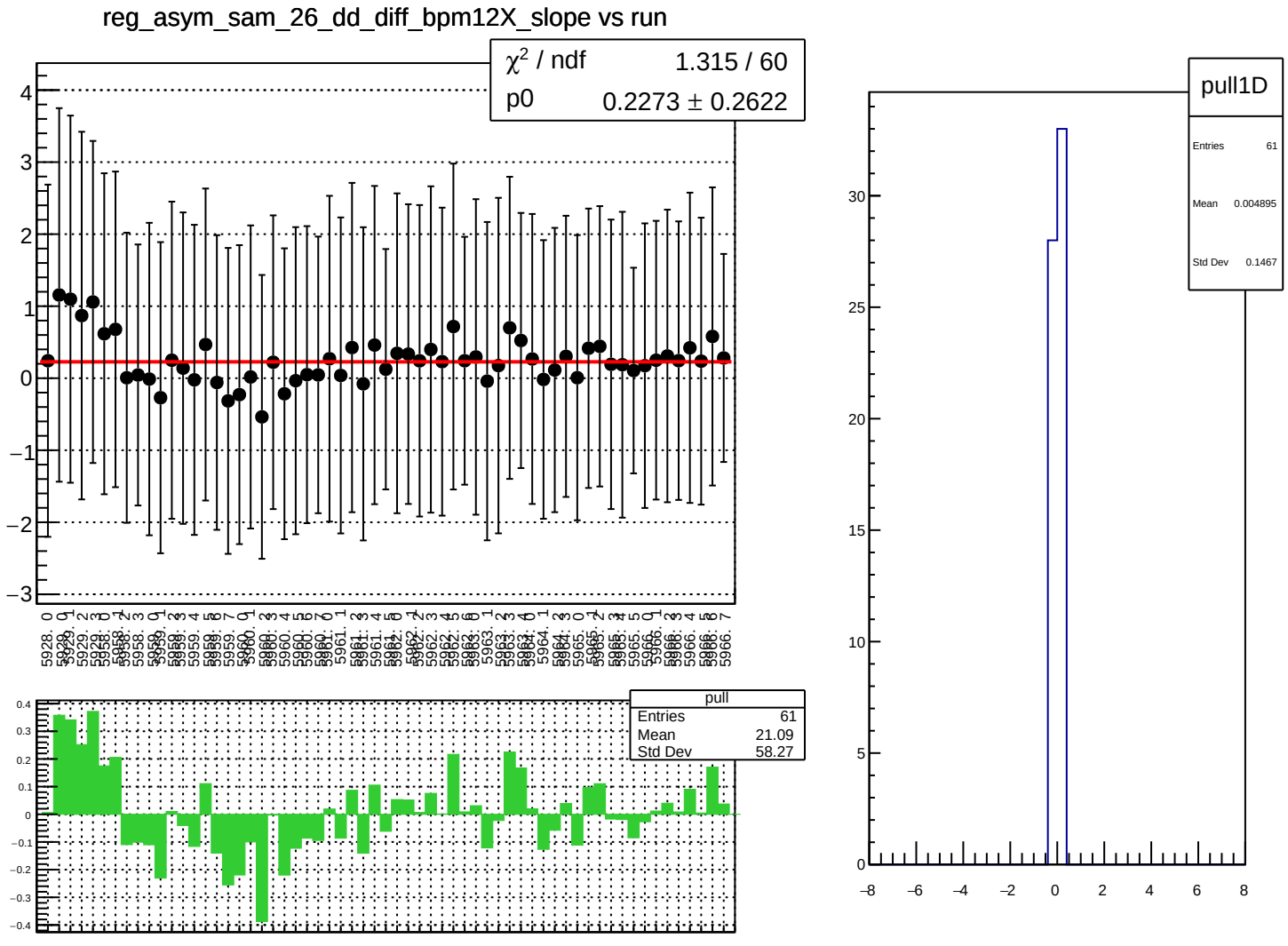

pull1D
Entries 61
Mean −0.03636
Std Dev 0.2841

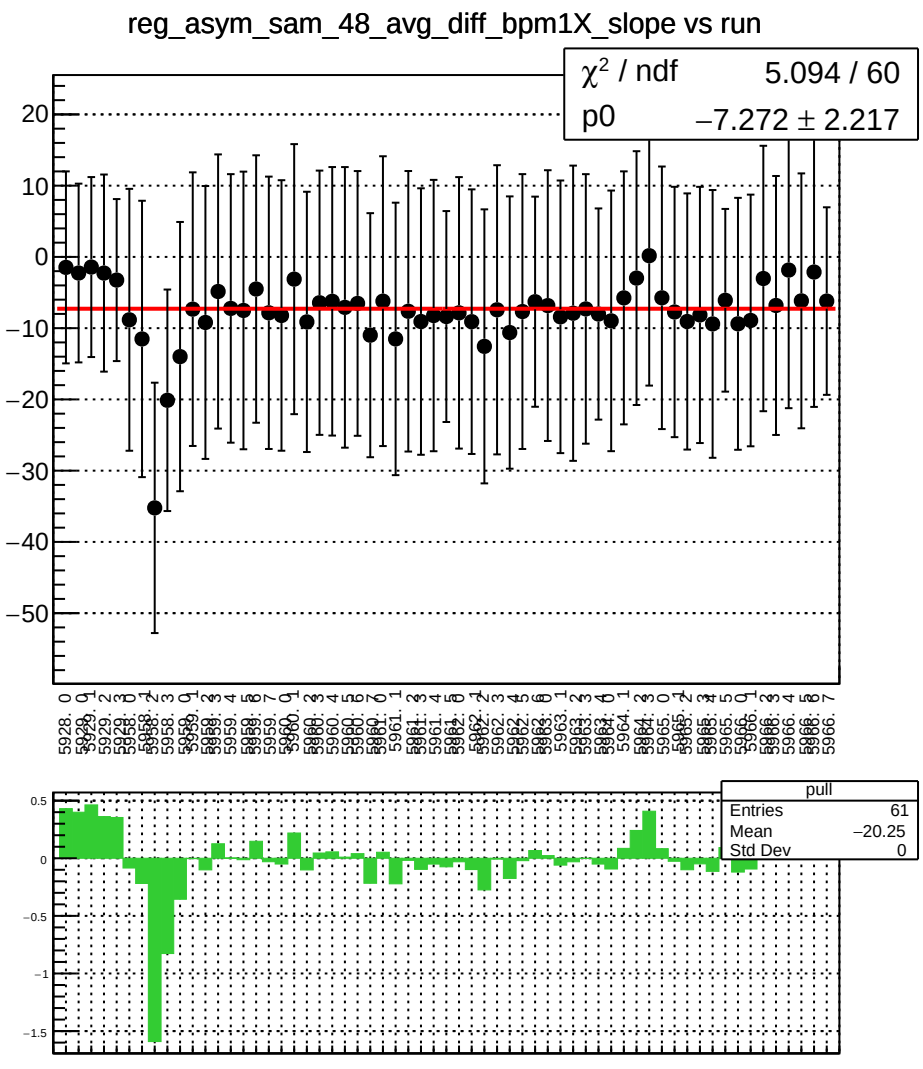

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8854 / 60
p0 −114.8 ± 3.293
pull
Entries 61
Mean −8.034
Std Dev 0

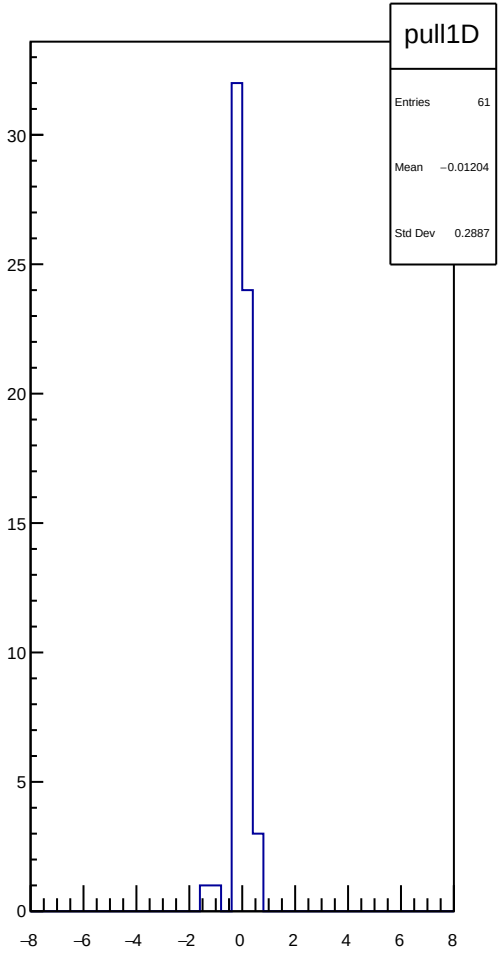

pull1D
Entries 61
Mean −0.00437
Std Dev 0.1204

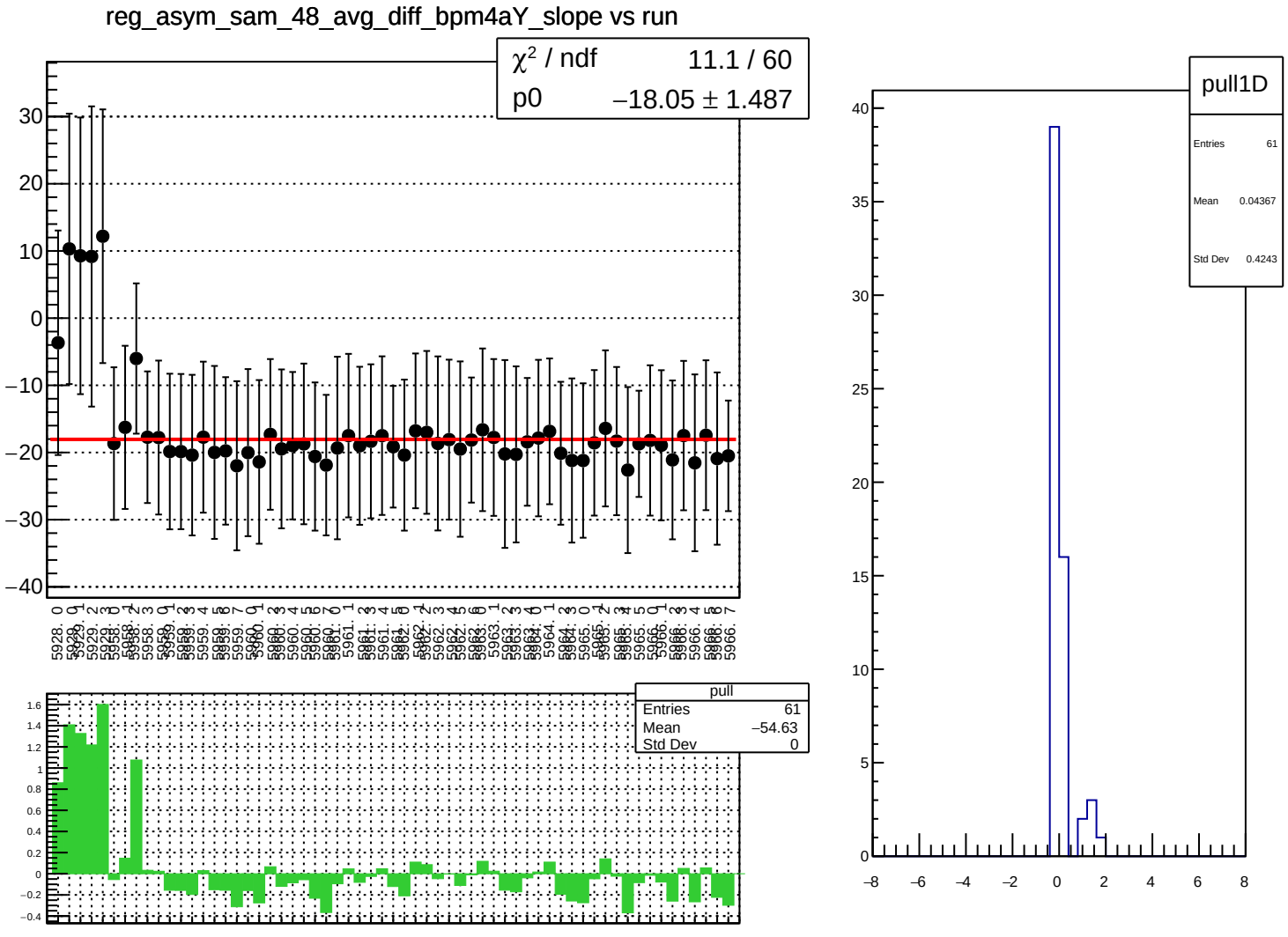

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.783 / 60
p0 −108.6 ± 2.719
pull
Entries 61
Mean −1.765
Std Dev 23.19

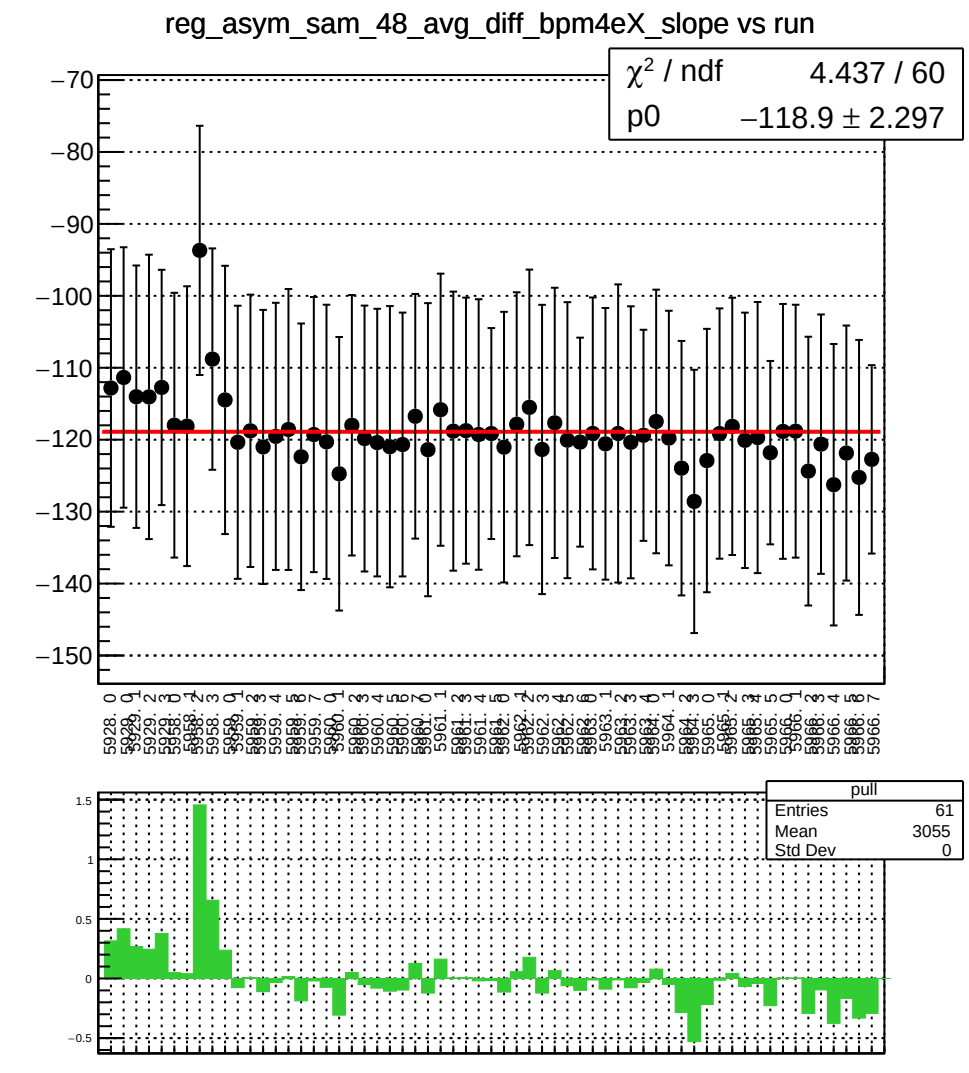

pull1D
Entries 61
Mean 0.02283
Std Dev 0.248

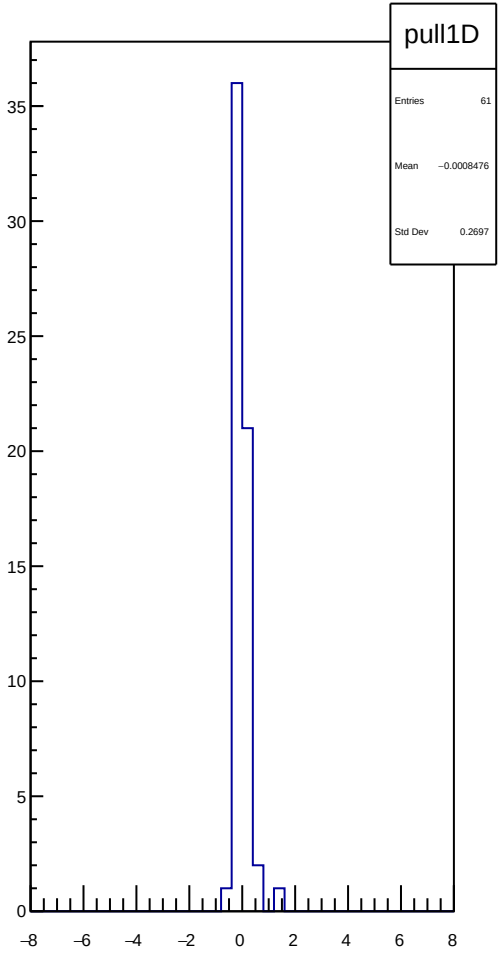

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.315 / 60
p0 0.2273 ± 0.2622
pull
Entries 61
Mean 21.09
Std Dev 58.27
pull1D
Entries 61
Mean 0.004895
Std Dev 0.1467

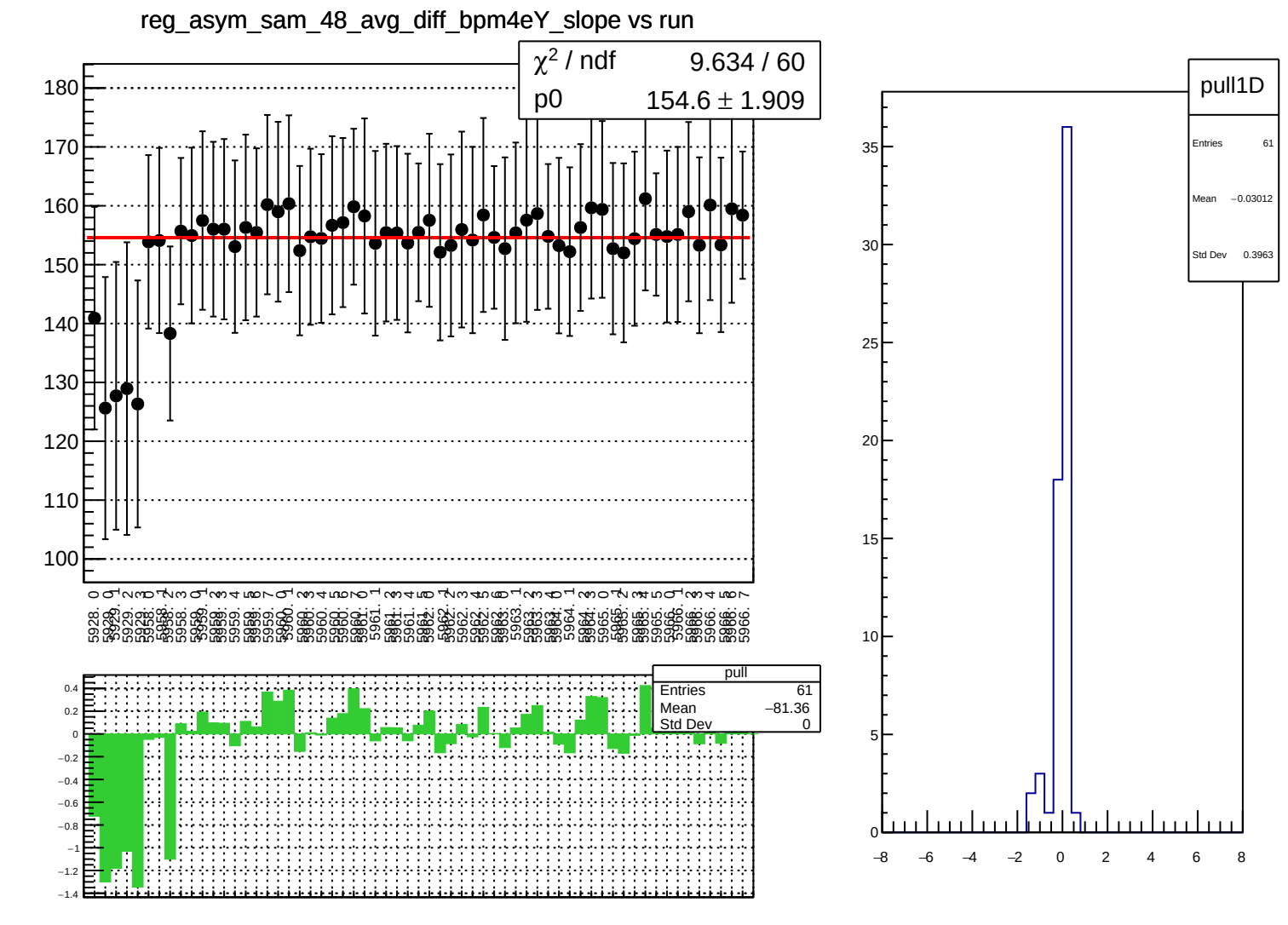

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.094 / 60
p0 −7.272 ± 2.217
pull
Entries 61
Mean −20.25
Std Dev 0

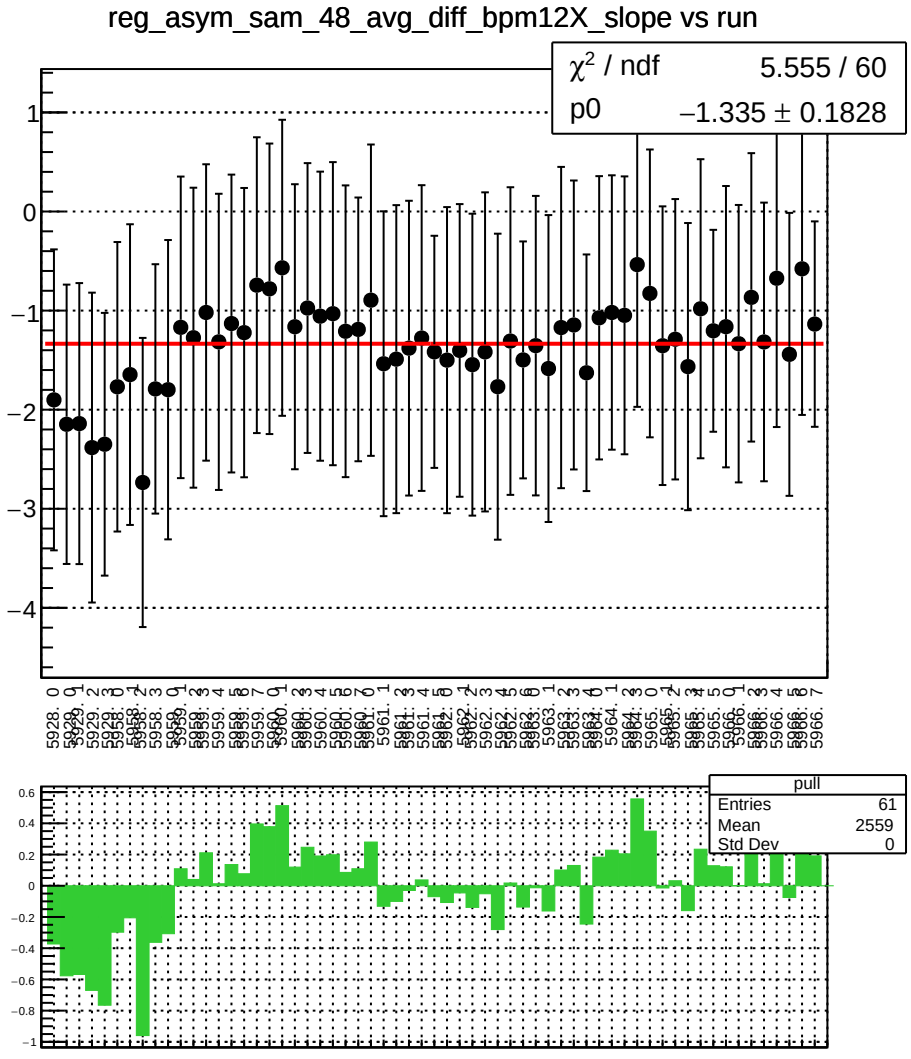

pull1D
Entries 61
Mean −0.01204
Std Dev 0.2887

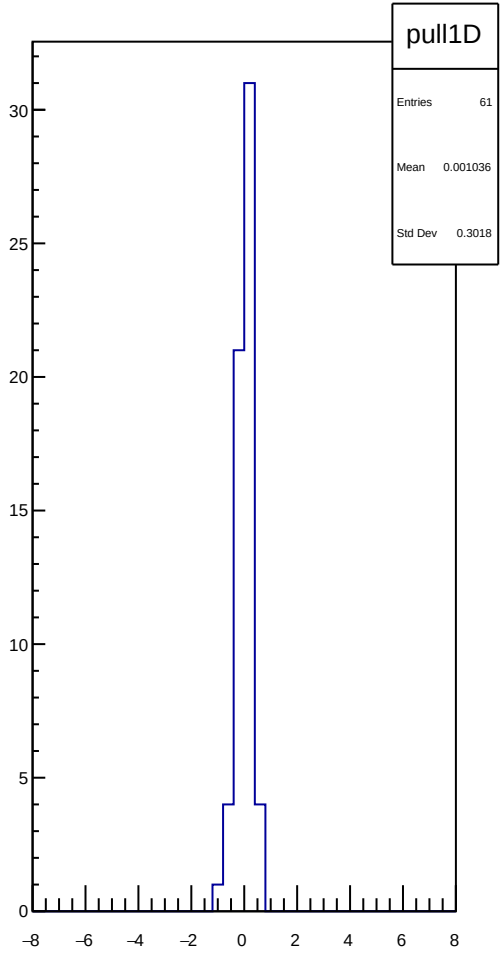

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.1 / 60
p0 −18.05 ± 1.487
pull
Entries 61
Mean −54.63
Std Dev 0
pull1D
Entries 61
Mean 0.04367
Std Dev 0.4243

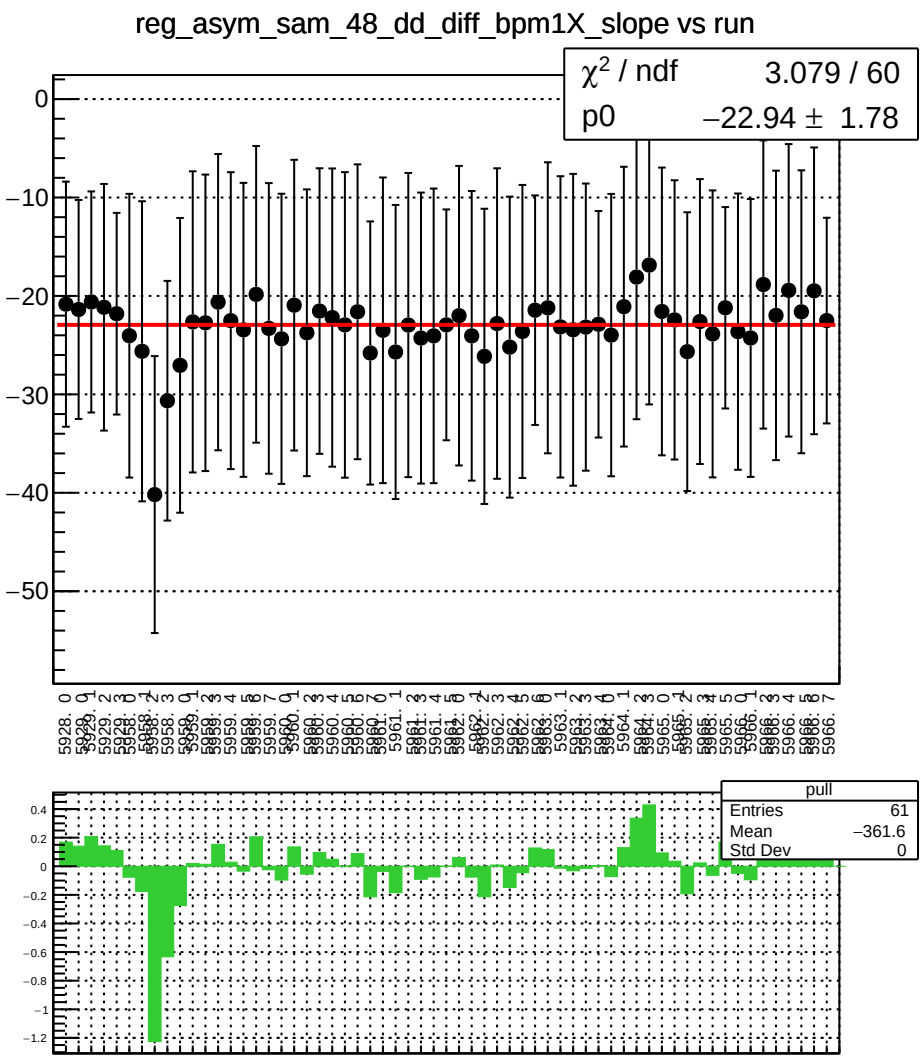

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.437 / 60
p0 −118.9 ± 2.297
pull
Entries 61
Mean 3055
Std Dev 0

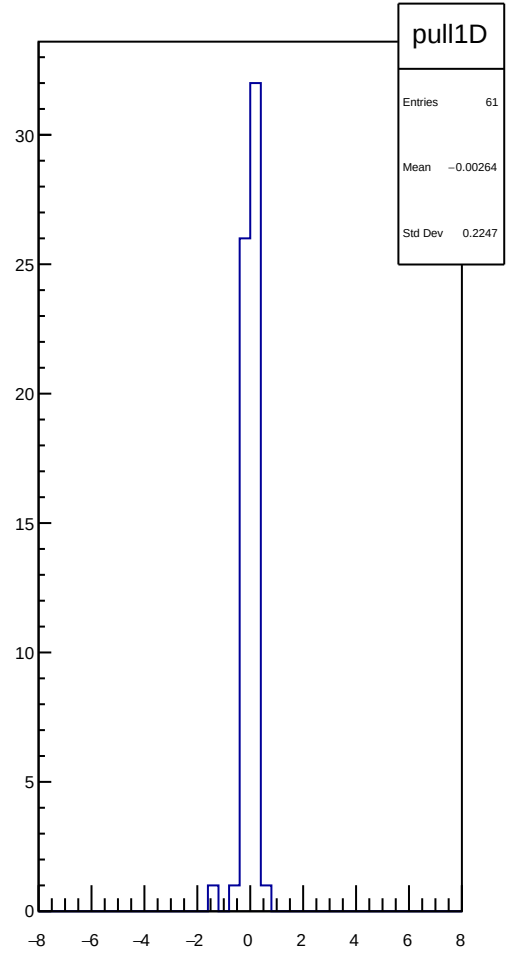

pull1D
Entries 61
Mean −0.0008476
Std Dev 0.2697

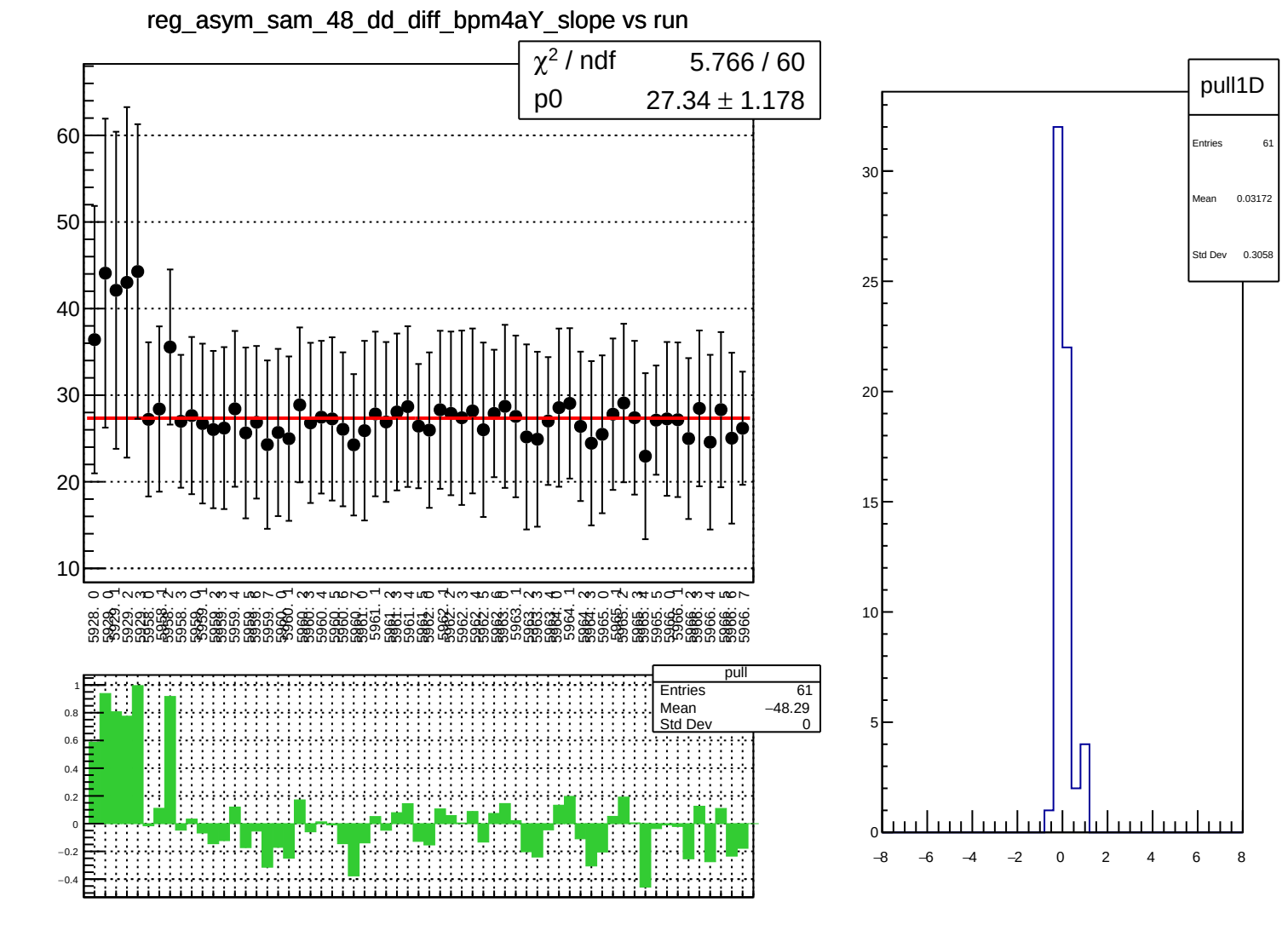

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.634 / 60
p0 154.6 ± 1.909
pull
Entries 61
Mean −81.36
Std Dev 0
pull1D
Entries 61
Mean −0.03012
Std Dev 0.3963

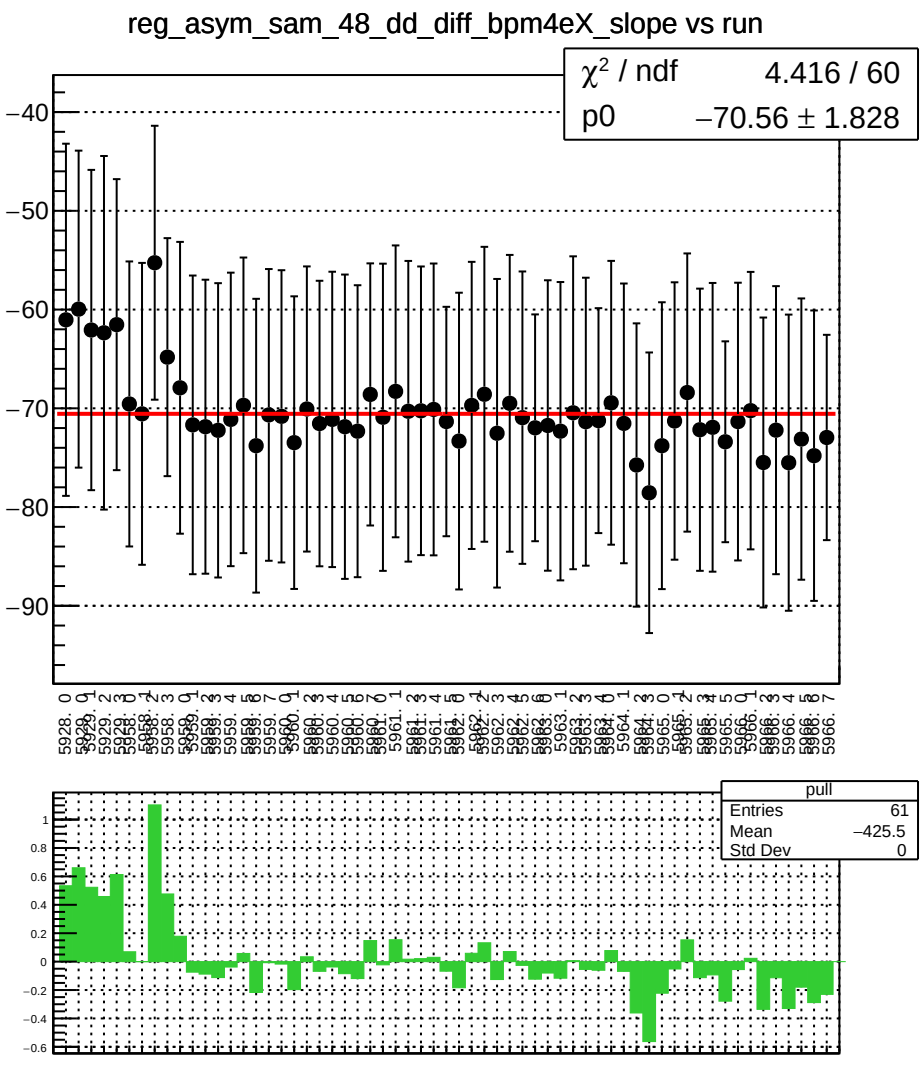

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.555 / 60
p0 −1.335 ± 0.1828
pull
Entries 61
Mean 2559
Std Dev 0

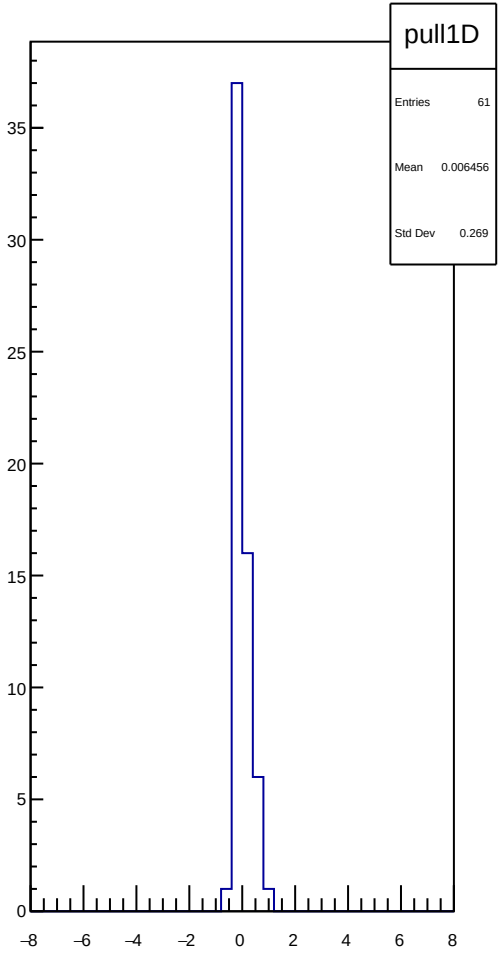

pull1D
Entries 61
Mean 0.001036
Std Dev 0.3018

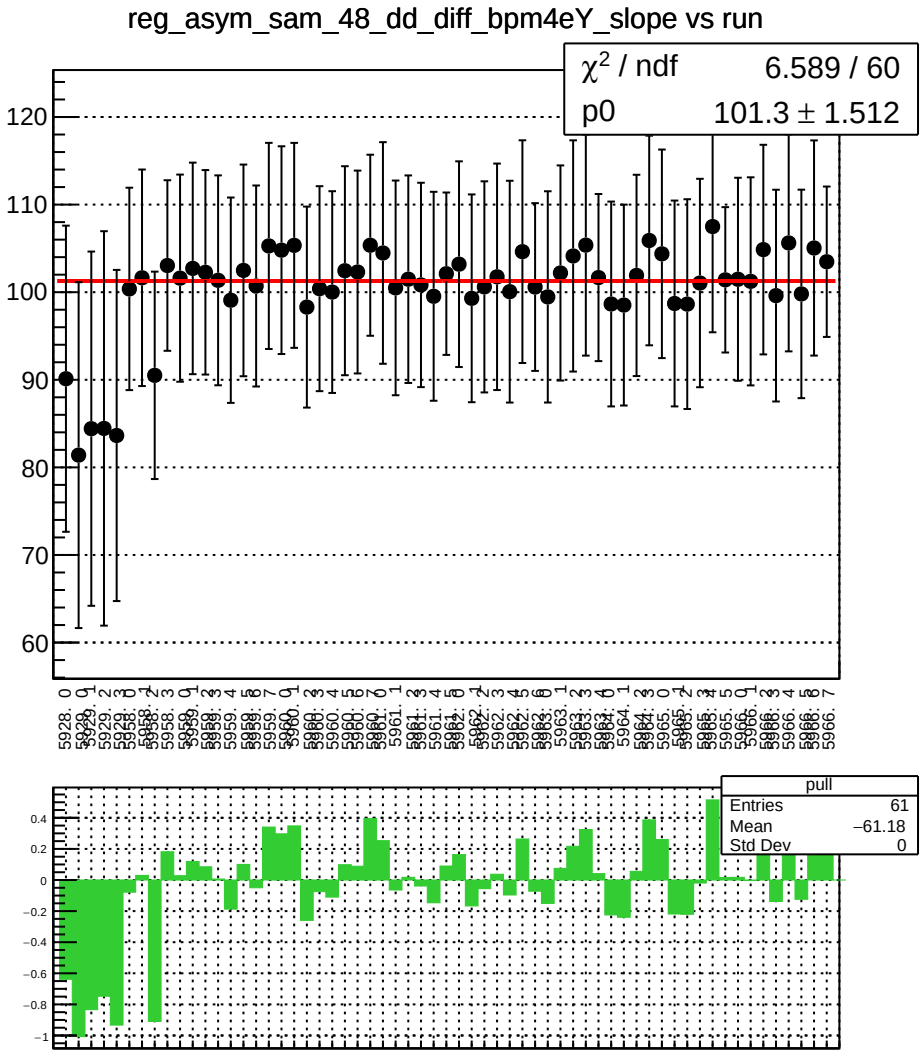

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.079 / 60
p0 −22.94 ± 1.78
pull
Entries 61
Mean −361.6
Std Dev 0

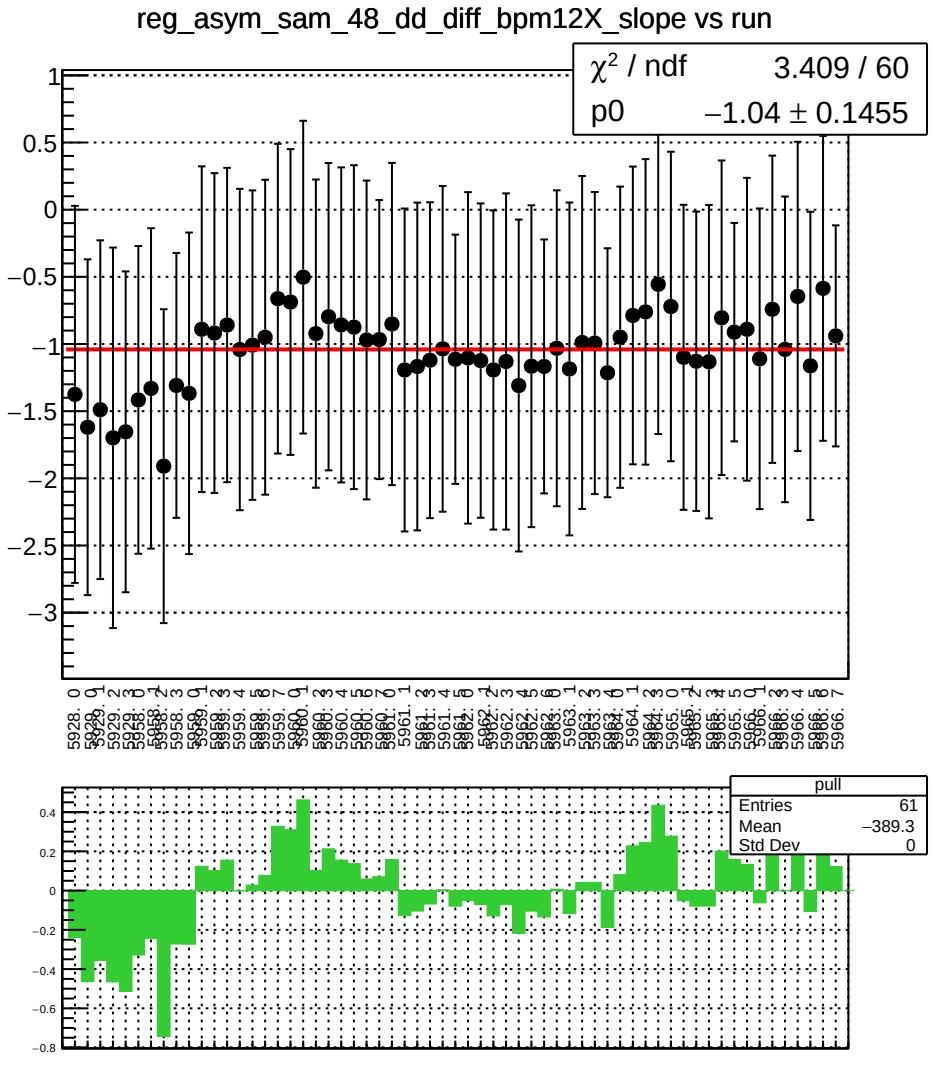

pull1D
Entries 61
Mean −0.00264
Std Dev 0.2247

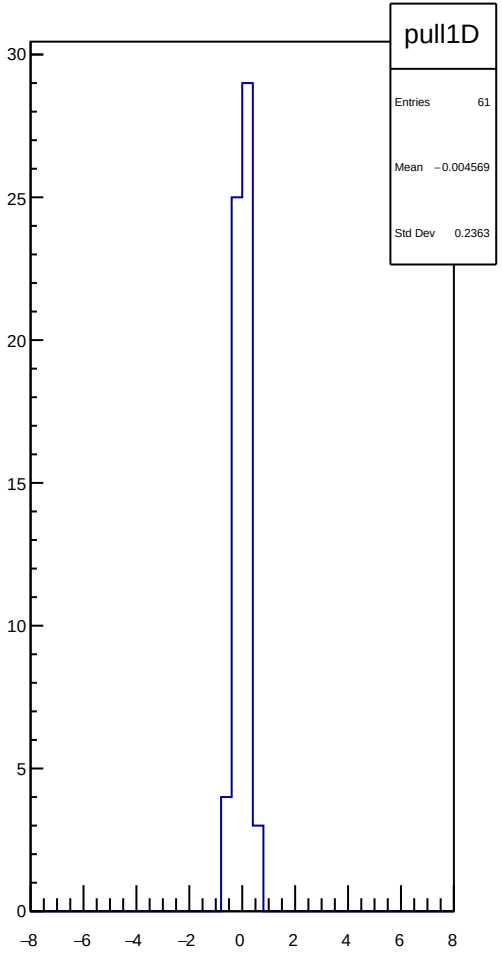

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.766 / 60
p0 27.34 ± 1.178
pull
Entries 61
Mean −48.29
Std Dev 0
pull1D
Entries 61
Mean 0.03172
Std Dev 0.3058

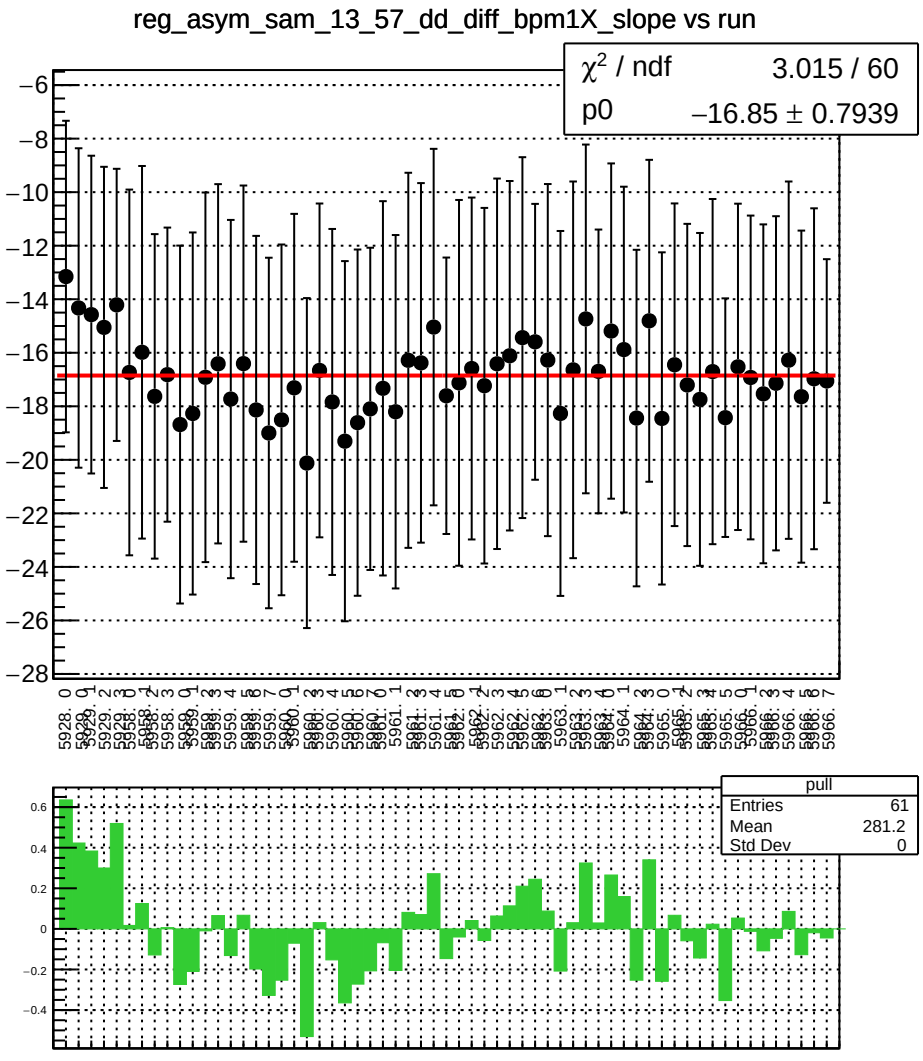

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.416 / 60
p0 −70.56 ± 1.828
pull
Entries 61
Mean −425.5
Std Dev 0

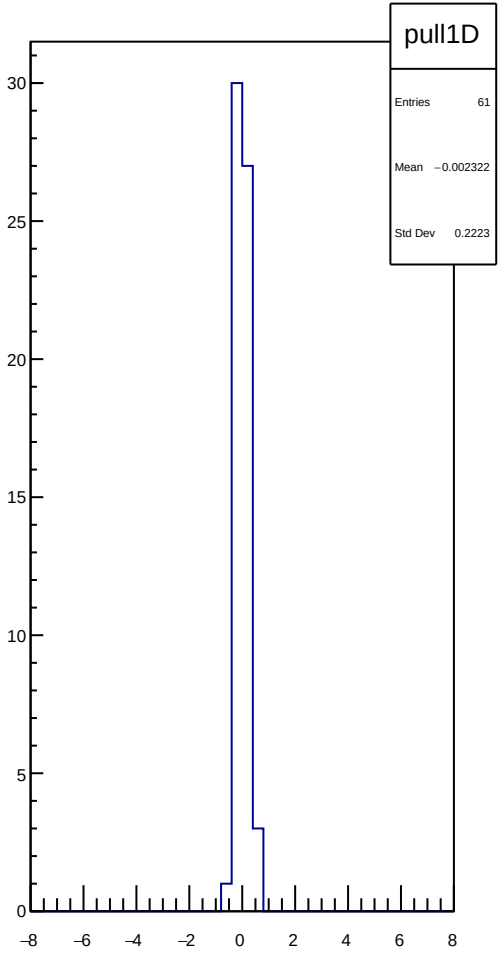

pull1D
Entries 61
Mean 0.006456
Std Dev 0.269

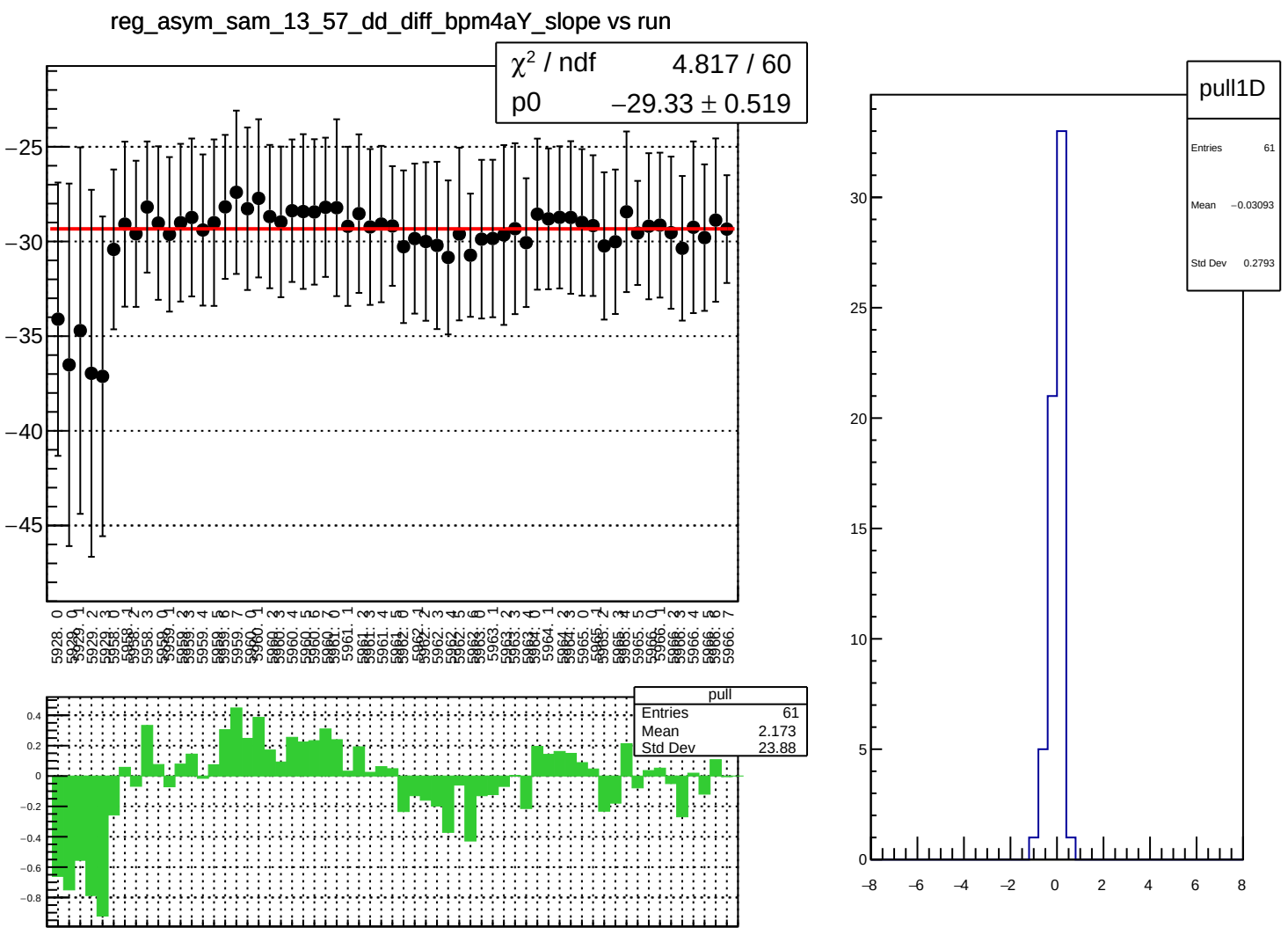

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.589 / 60
p0 101.3 ± 1.512
pull
Entries 61
Mean −61.18
Std Dev 0
pull1D
Entries 61
Mean −0.02859
Std Dev 0.3274

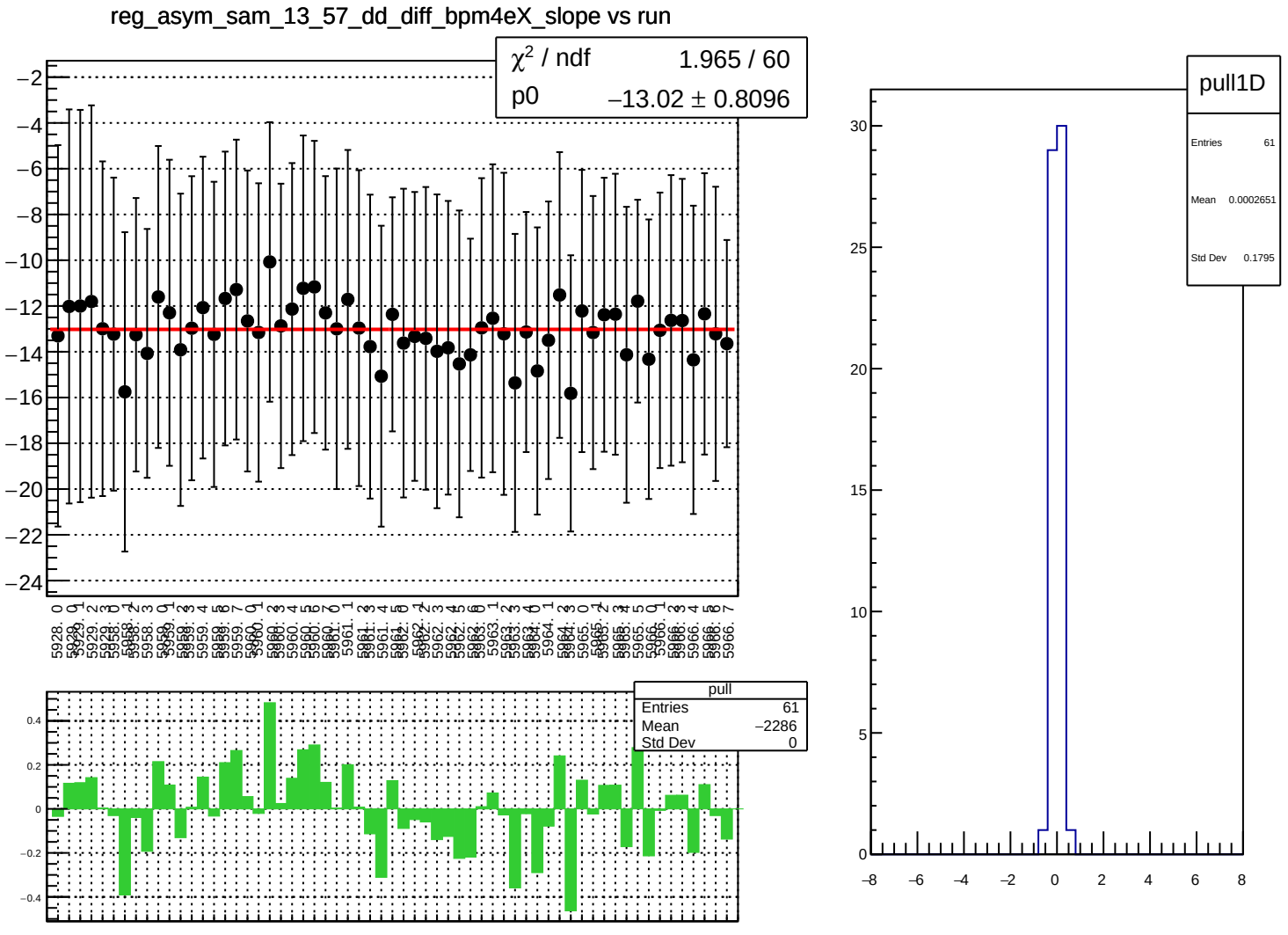

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.409 / 60
p0 −1.04 ± 0.1455
pull
Entries 61
Mean −389.3
Std Dev 0

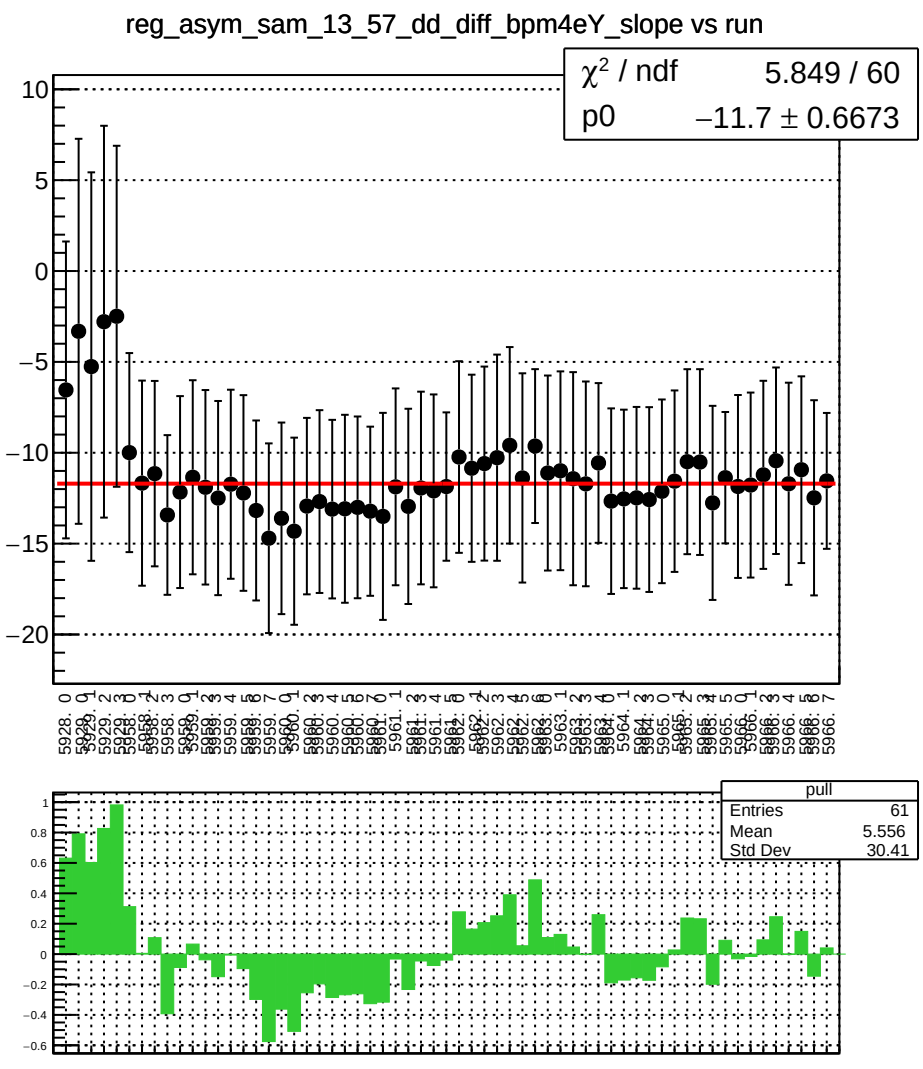

pull1D
Entries 61
Mean −0.004569
Std Dev 0.2363

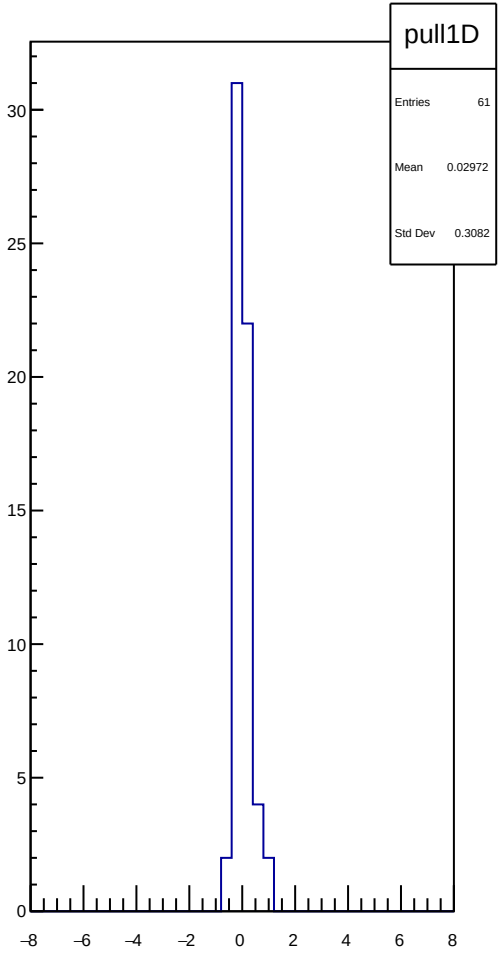

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 3.015 / 60
p0 −16.85 ± 0.7939
pull
Entries 61
Mean 281.2
Std Dev 0

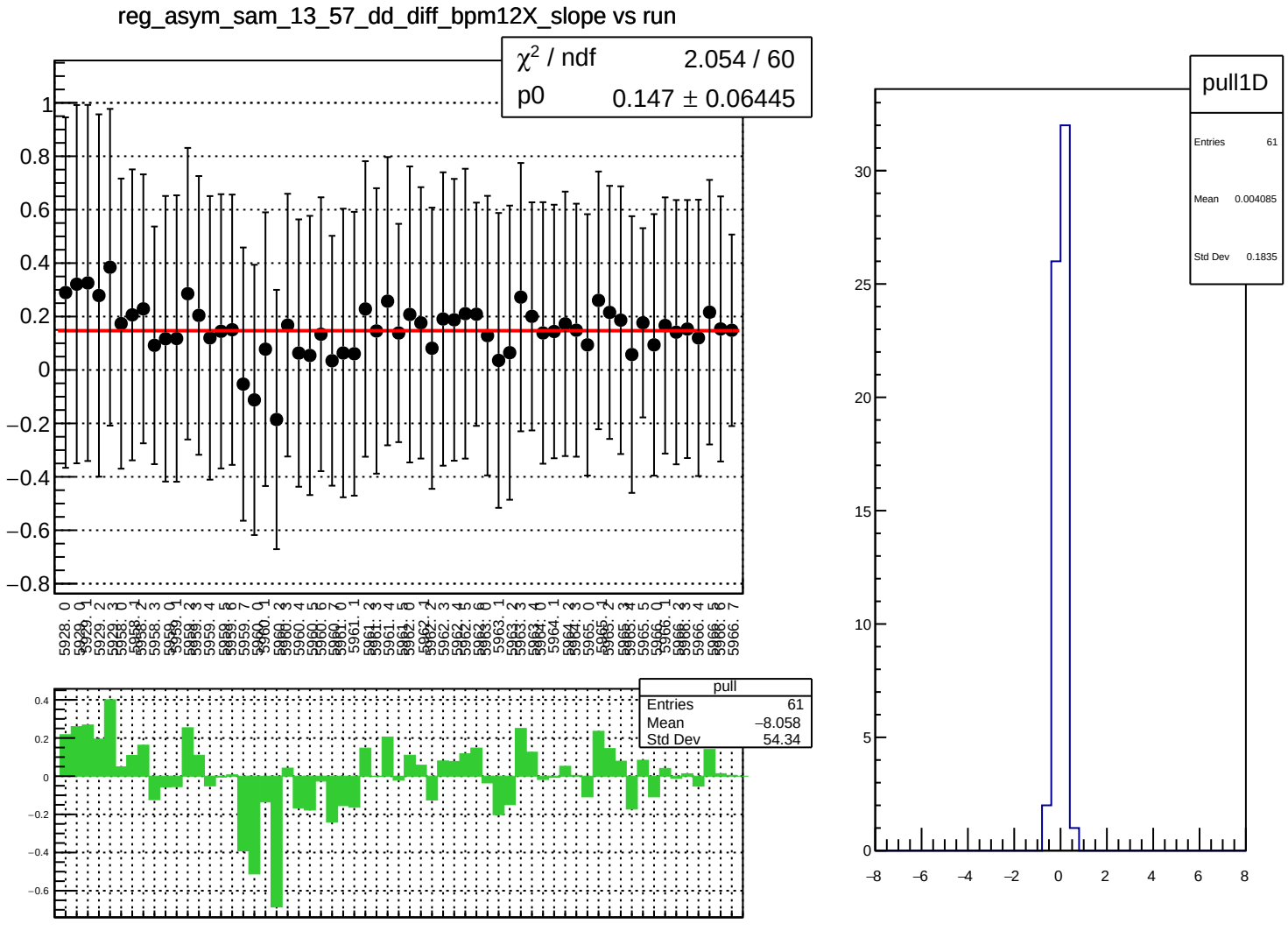

pull1D
Entries 61
Mean −0.002322
Std Dev 0.2223

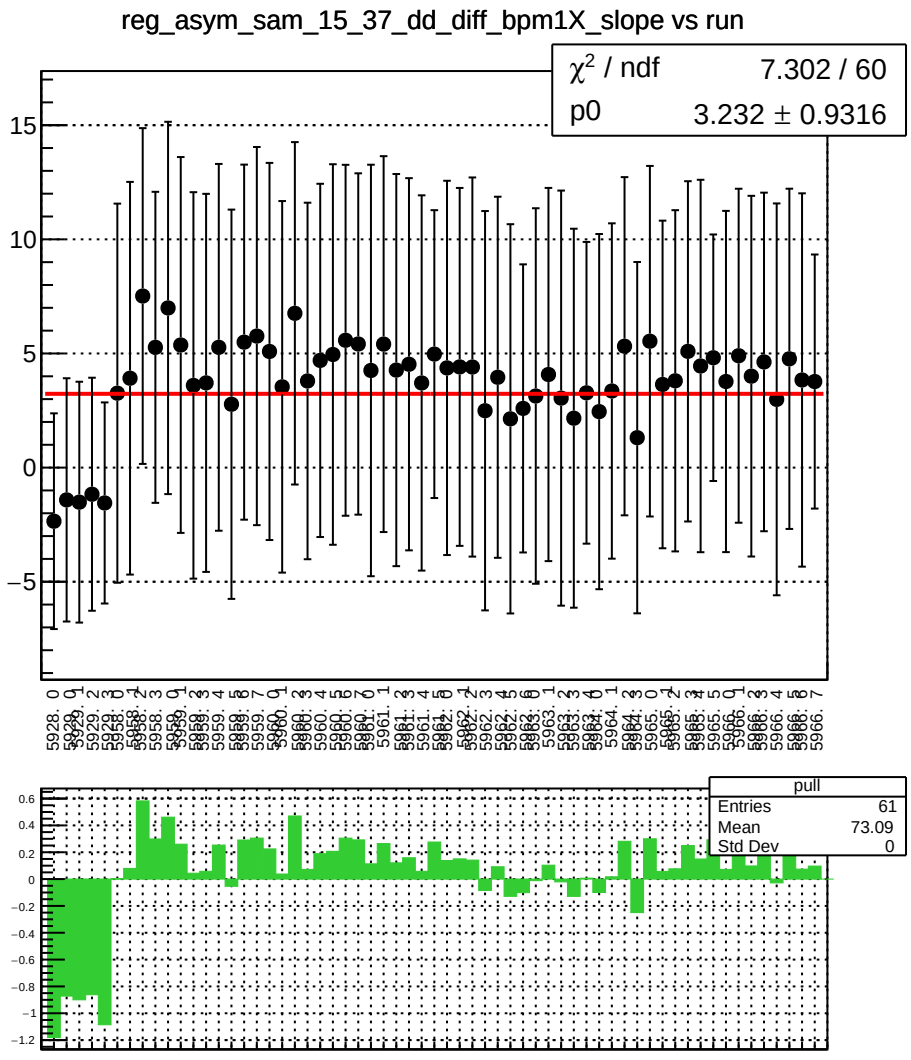

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.817 / 60
p0 −29.33 ± 0.519
pull
Entries 61
Mean 2.173
Std Dev 23.88
pull1D
Entries 61
Mean −0.03093
Std Dev 0.2793

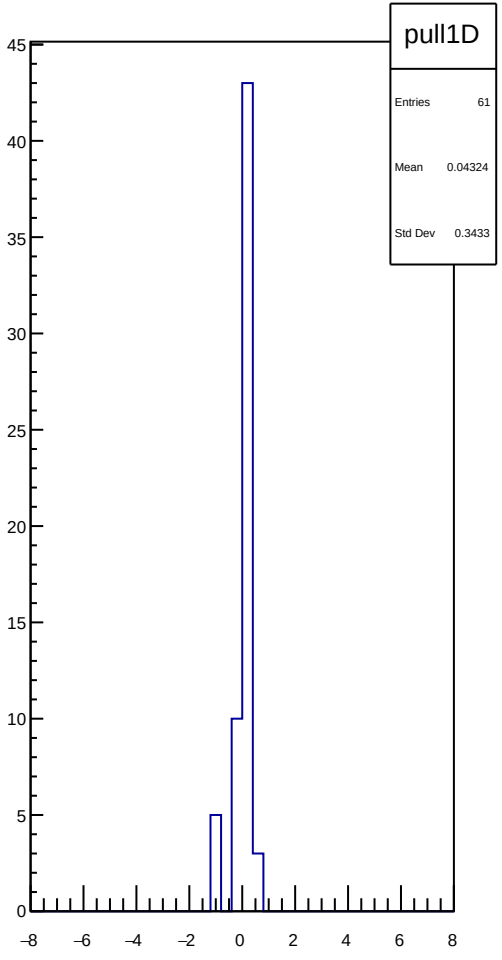

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.965 / 60
p0 −13.02 ± 0.8096
pull
Entries 61
Mean −2286
Std Dev 0
pull1D
Entries 61
Mean 0.0002651
Std Dev 0.1795

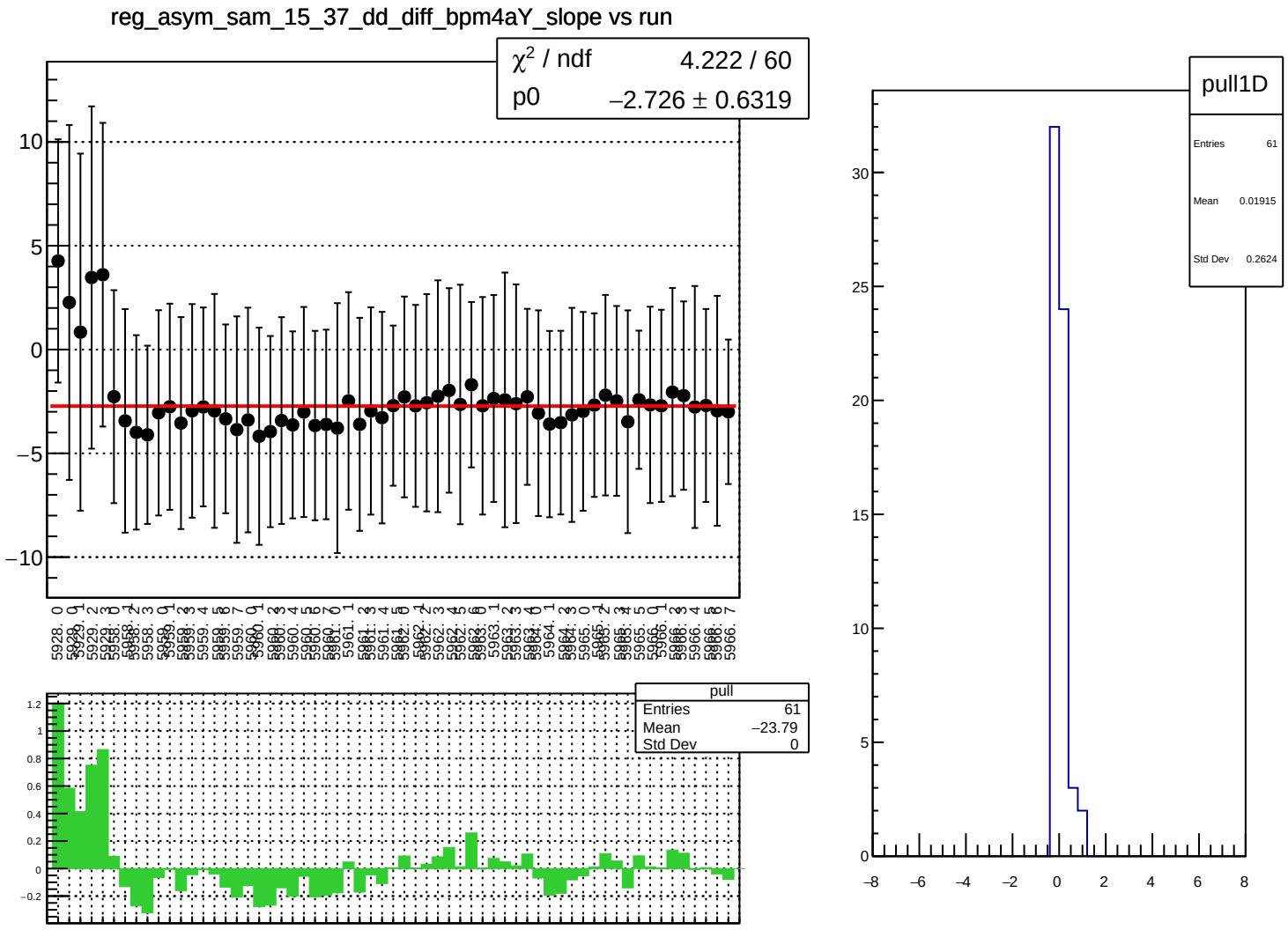

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.849 / 60
p0 −11.7 ± 0.6673
pull
Entries 61
Mean 5.556
Std Dev 30.41

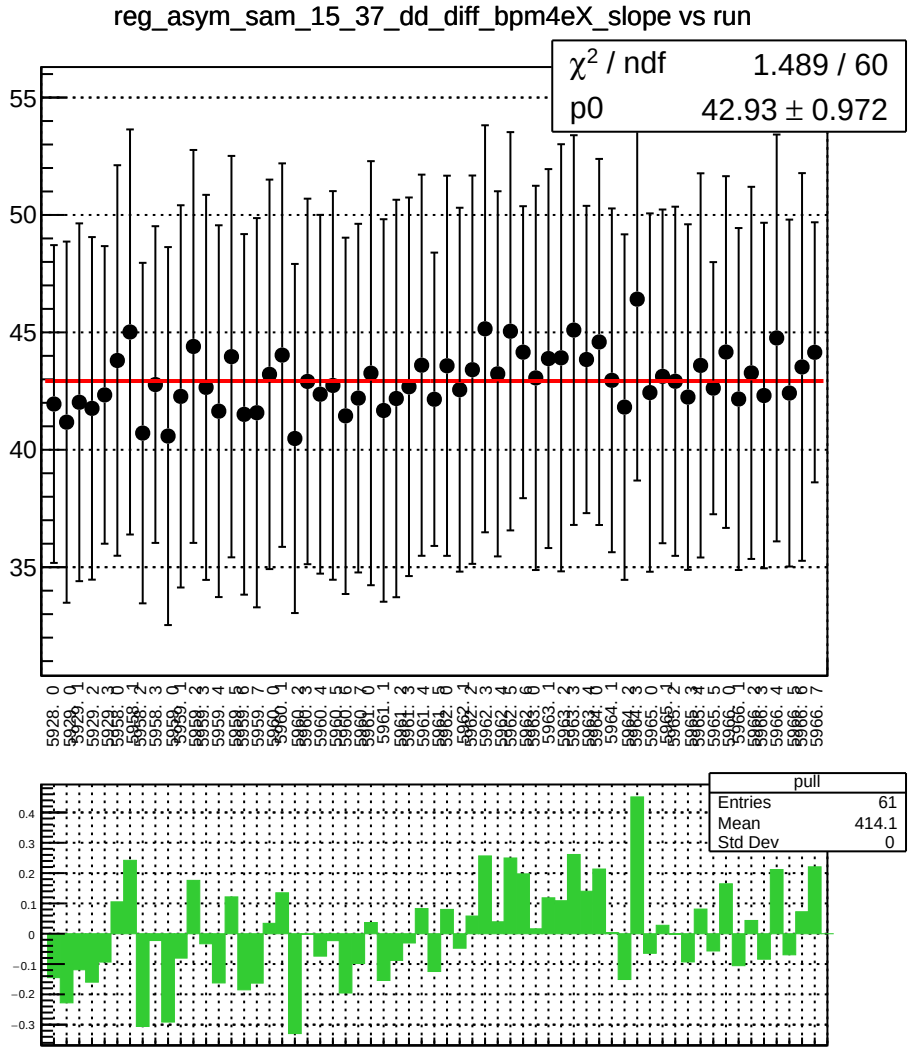

pull1D
Entries 61
Mean 0.02972
Std Dev 0.3082

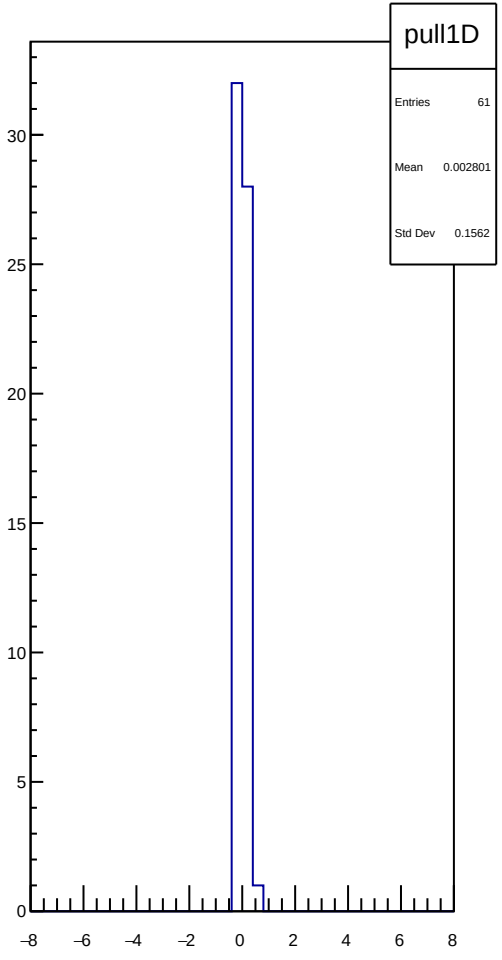

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 2.054 / 60
p0 0.147 ± 0.06445
pull
Entries 61
Mean −8.058
Std Dev 54.34
pull1D
Entries 61
Mean 0.004085
Std Dev 0.1835

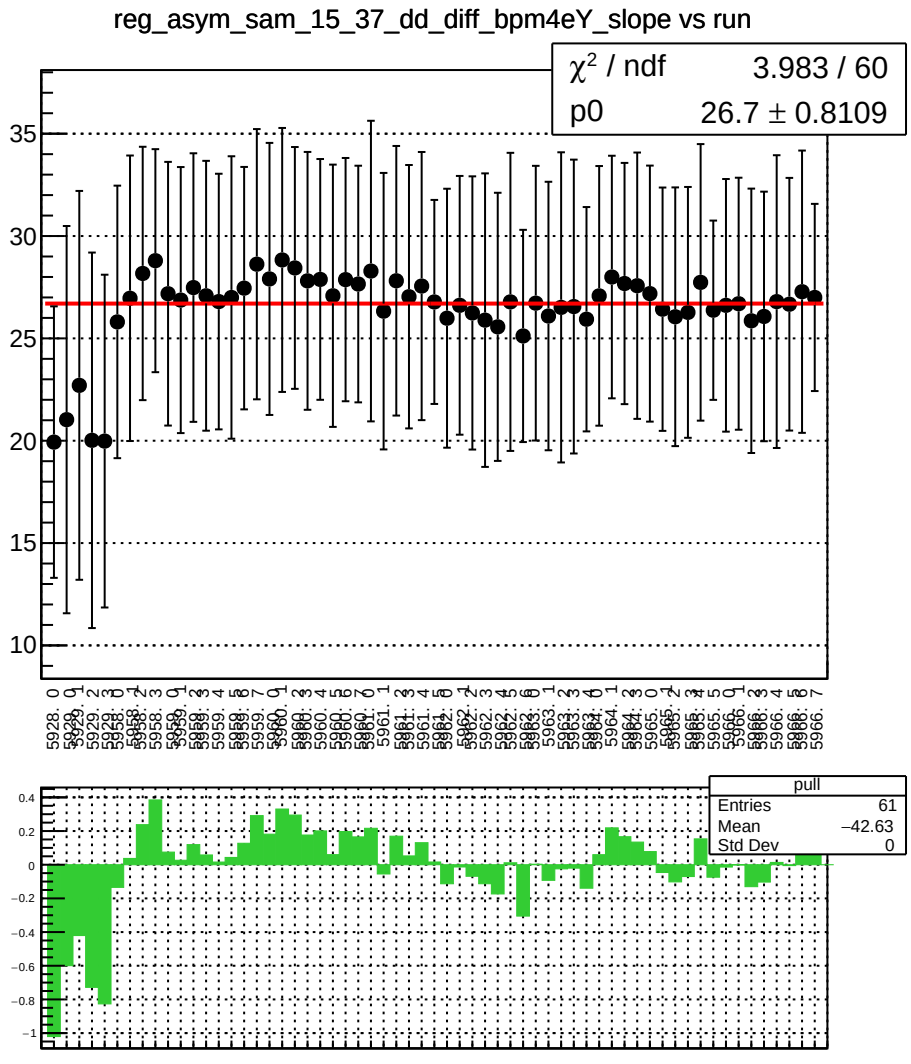

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 7.302 / 60
p0 3.232 ± 0.9316
pull
Entries 61
Mean 73.09
Std Dev 0

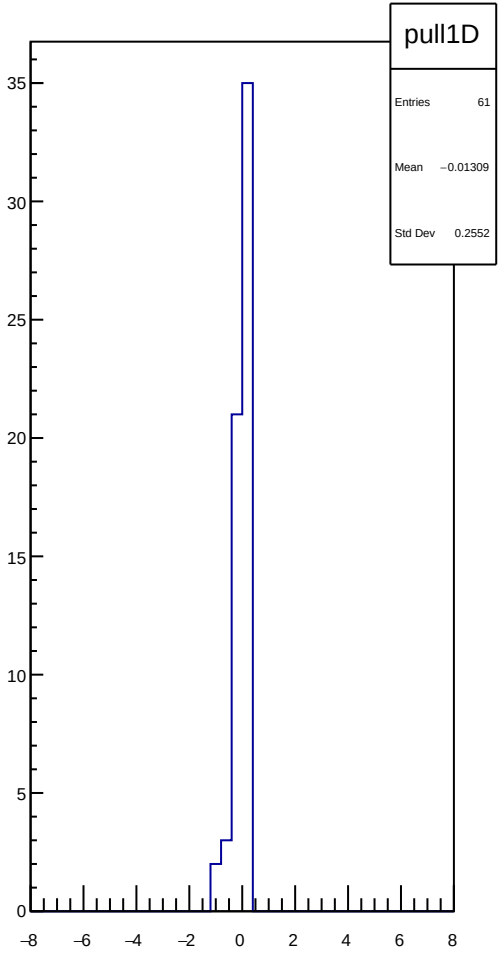

pull1D
Entries 61
Mean 0.04324
Std Dev 0.3433

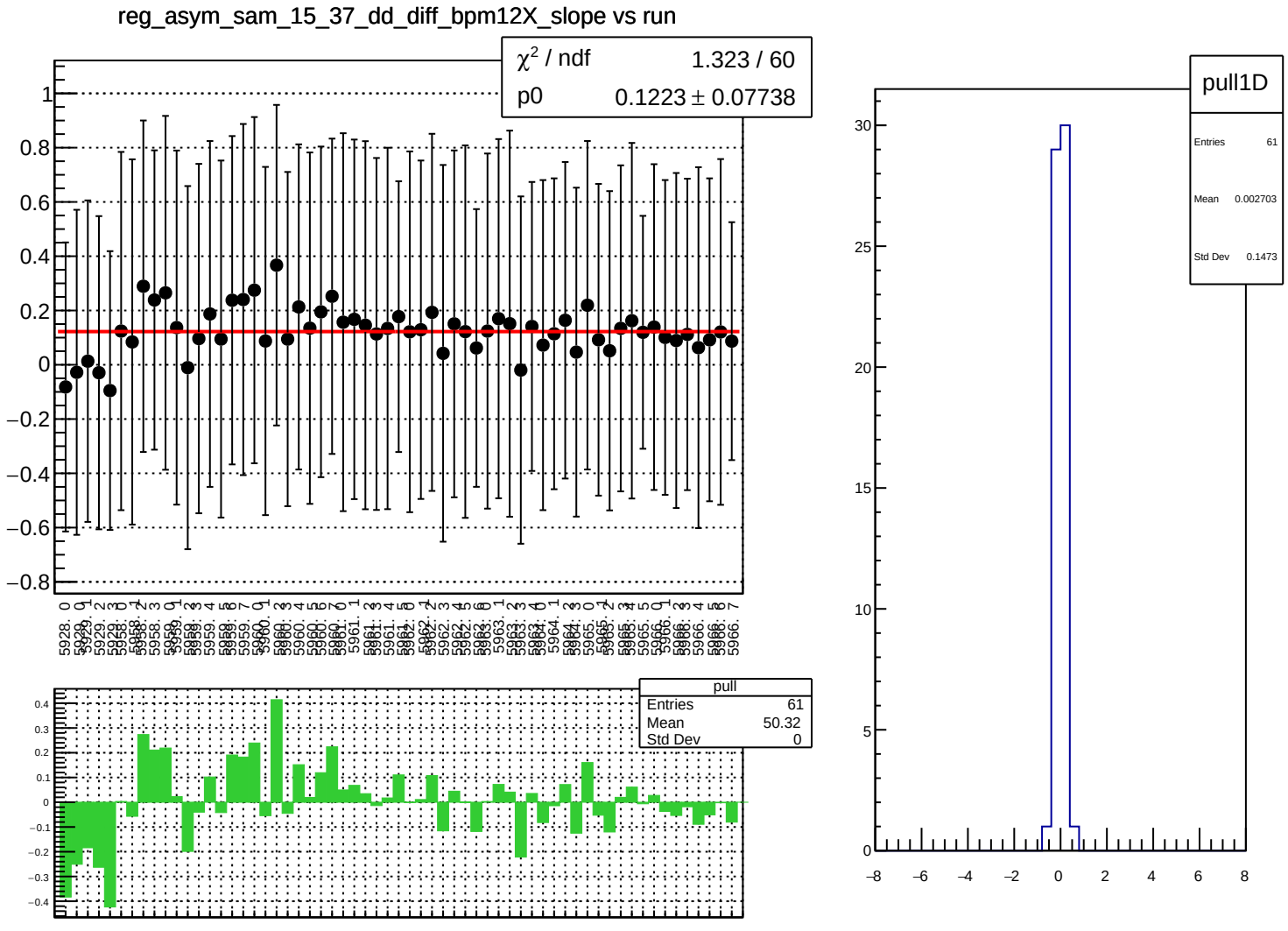

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.222 / 60
p0 −2.726 ± 0.6319
pull
Entries 61
Mean −23.79
Std Dev 0
pull1D
Entries 61
Mean 0.01915
Std Dev 0.2624

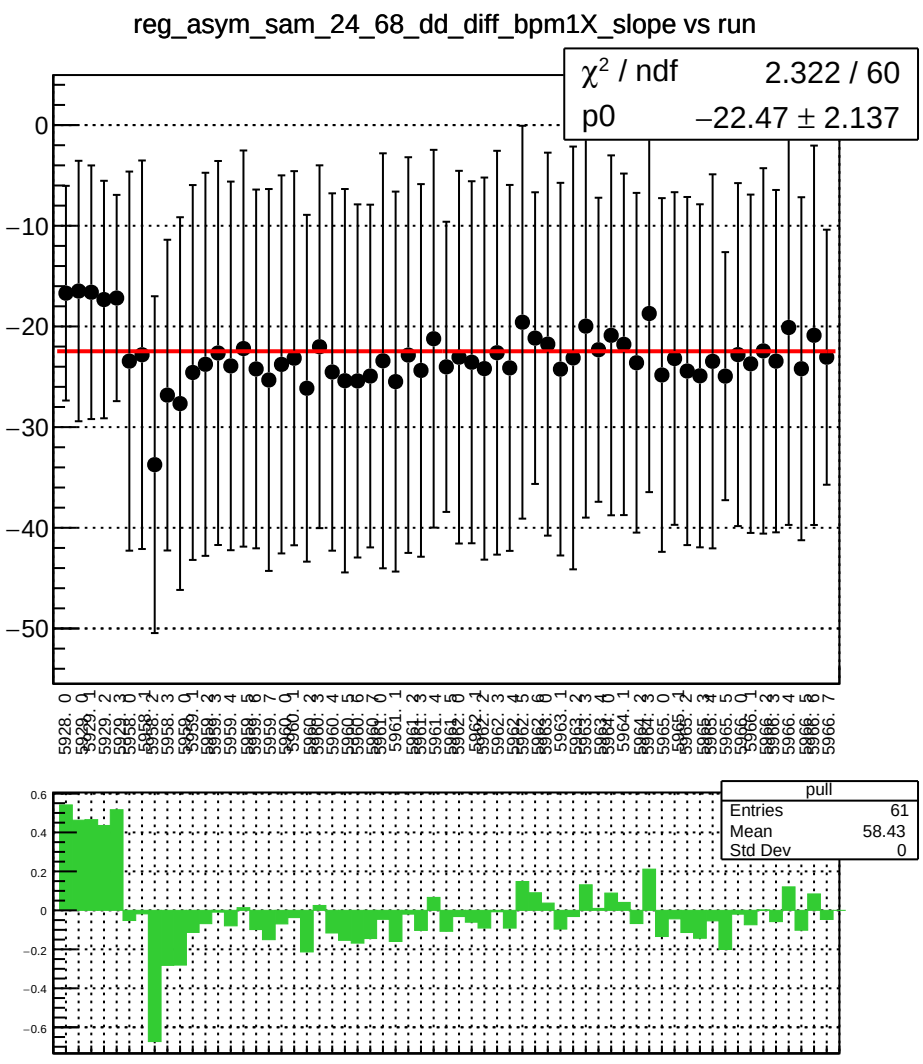

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.489 / 60
p0 42.93 ± 0.972
pull
Entries 61
Mean 414.1
Std Dev 0

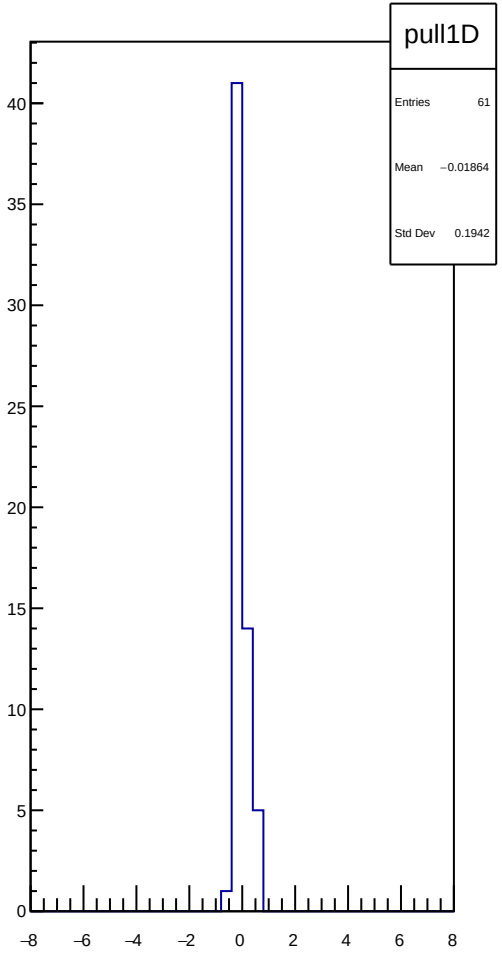

pull1D
Entries 61
Mean 0.002801
Std Dev 0.1562

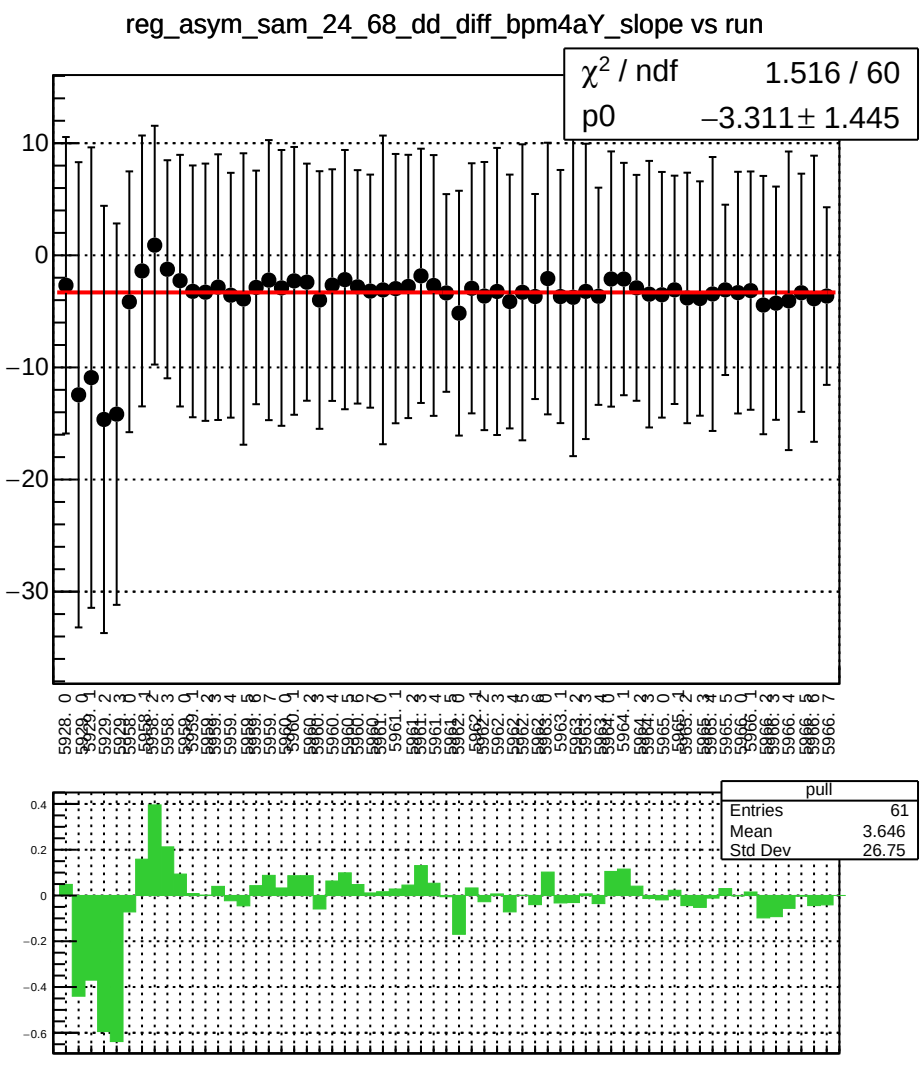

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.983 / 60
p0 26.7 ± 0.8109
pull
Entries 61
Mean −42.63
Std Dev 0

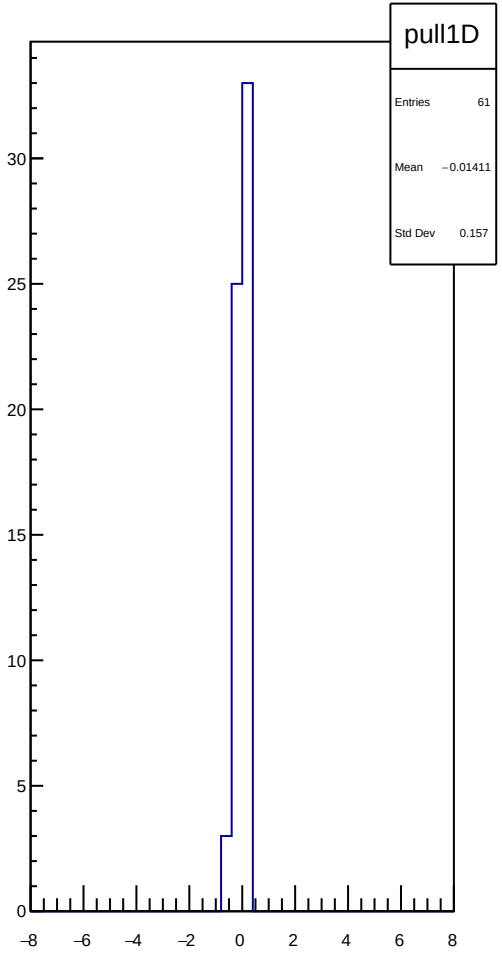

pull1D
Entries 61
Mean −0.01309
Std Dev 0.2552

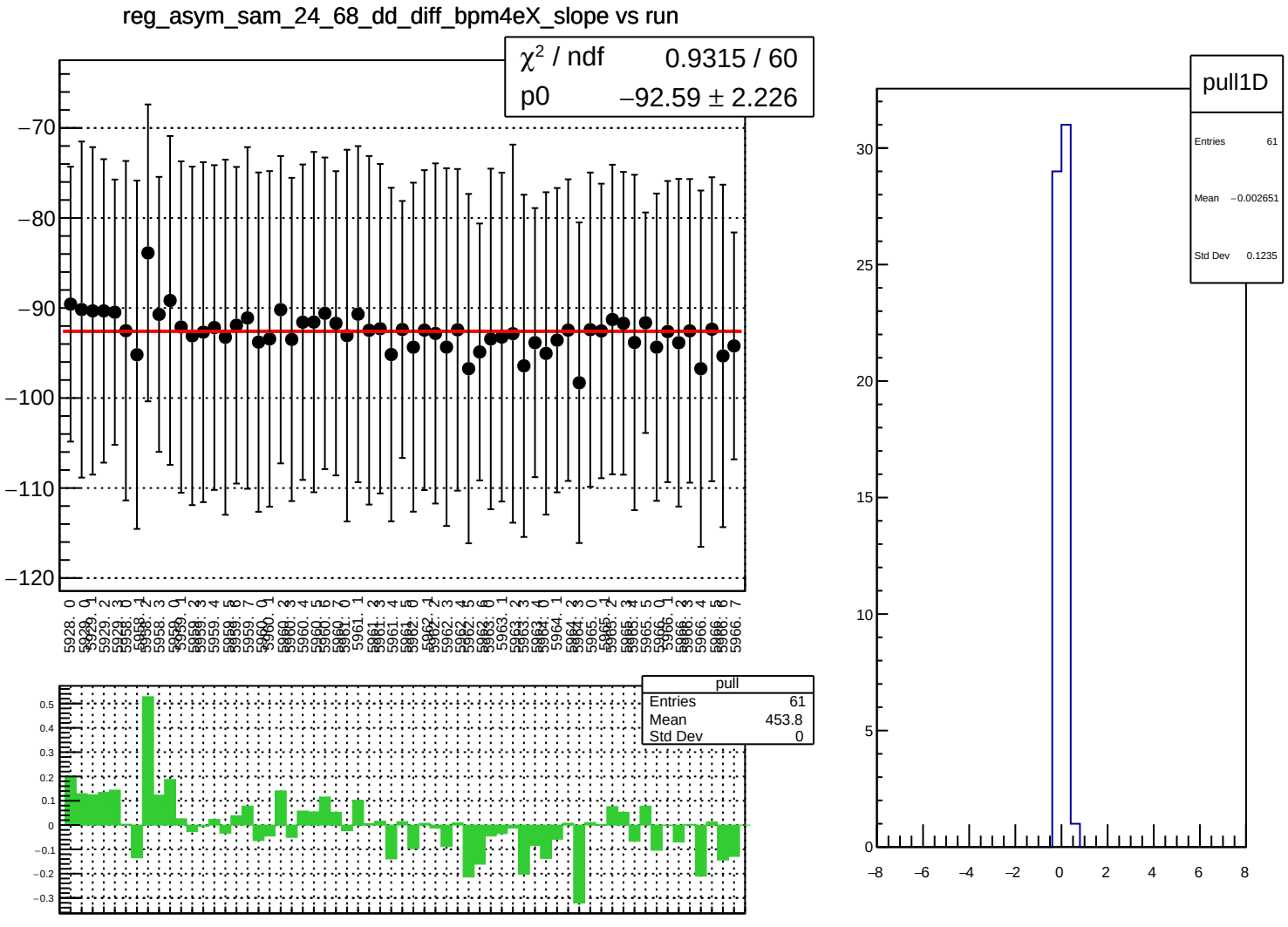

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.323 / 60
p0 0.1223 ± 0.07738
pull
Entries 61
Mean 50.32
Std Dev 0
pull1D
Entries 61
Mean 0.002703
Std Dev 0.1473

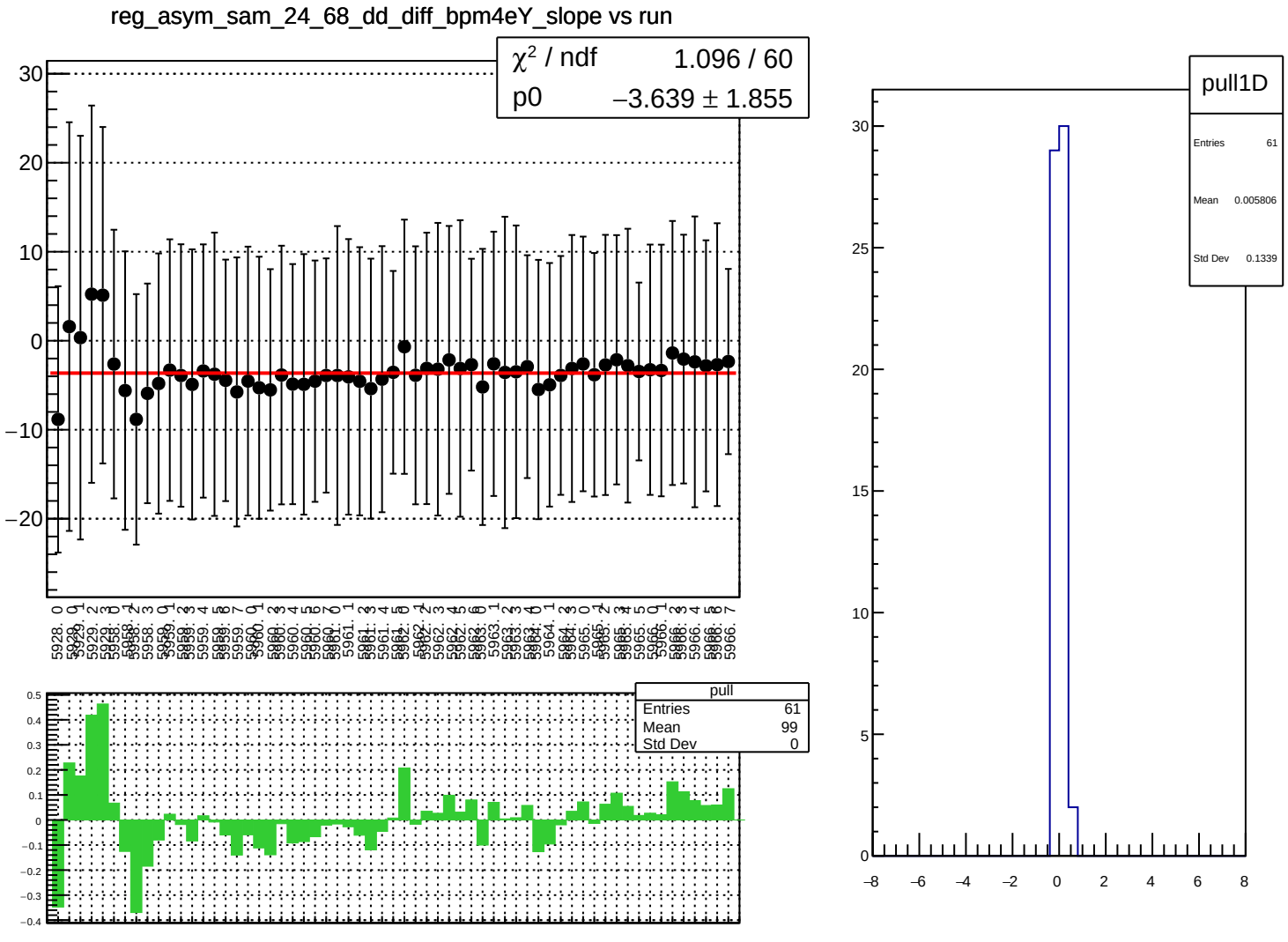

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.322 / 60
p0 −22.47 ± 2.137
pull
Entries 61
Mean 58.43
Std Dev 0

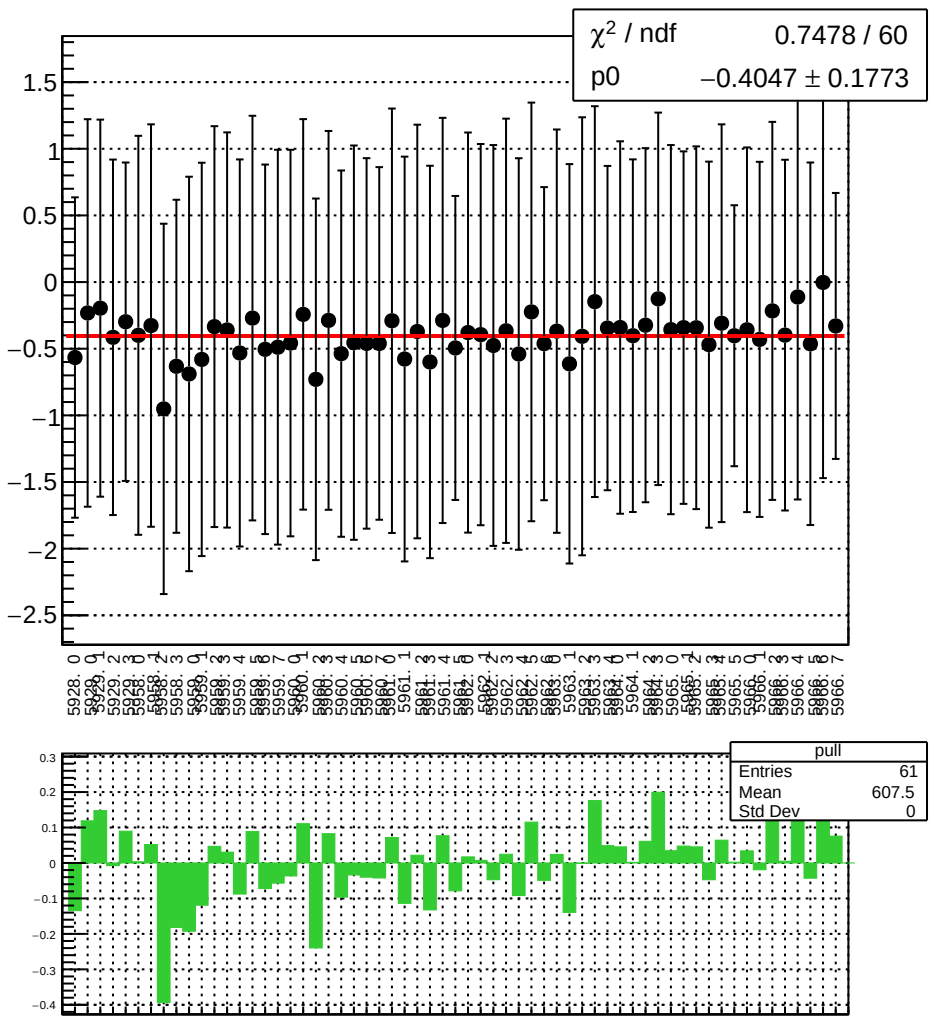

pull1D
Entries 61
Mean −0.01864
Std Dev 0.1942

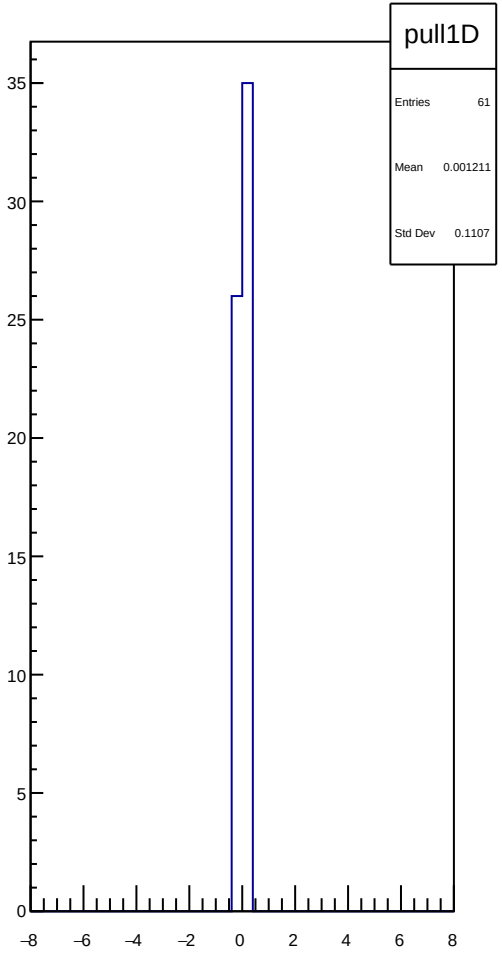

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.516 / 60
p0 −3.311 ± 1.445
pull
Entries 61
Mean 3.646
Std Dev 26.75

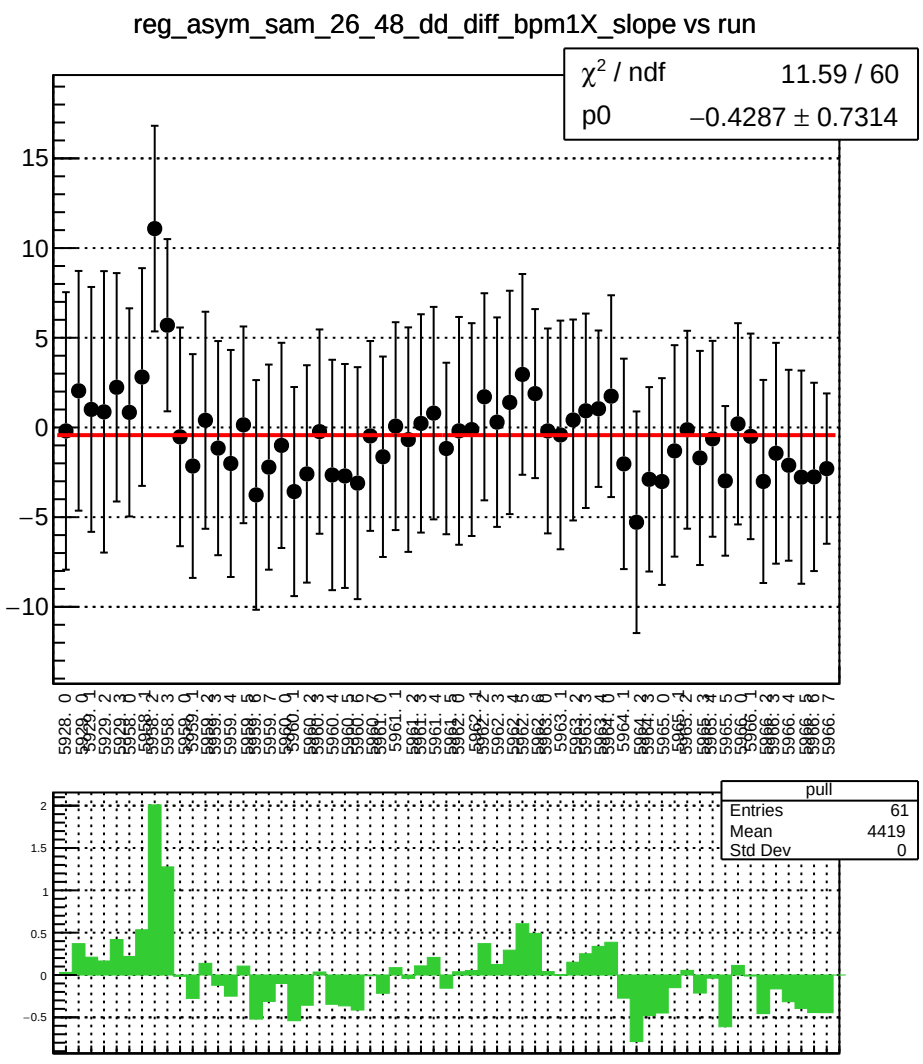

pull1D
Entries 61
Mean −0.01411
Std Dev 0.157

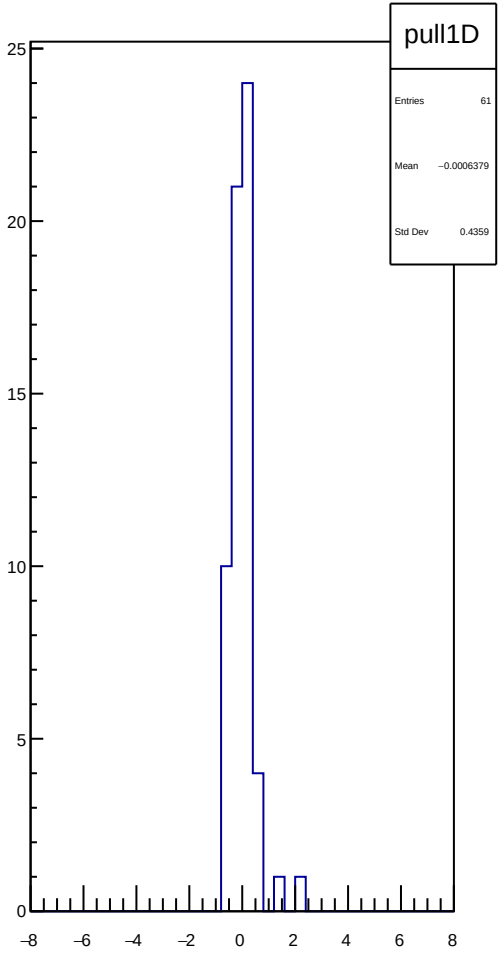

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9315 / 60
p0 −92.59 ± 2.226
pull
Entries 61
Mean 453.8
Std Dev 0
pull1D
Entries 61
Mean −0.002651
Std Dev 0.1235

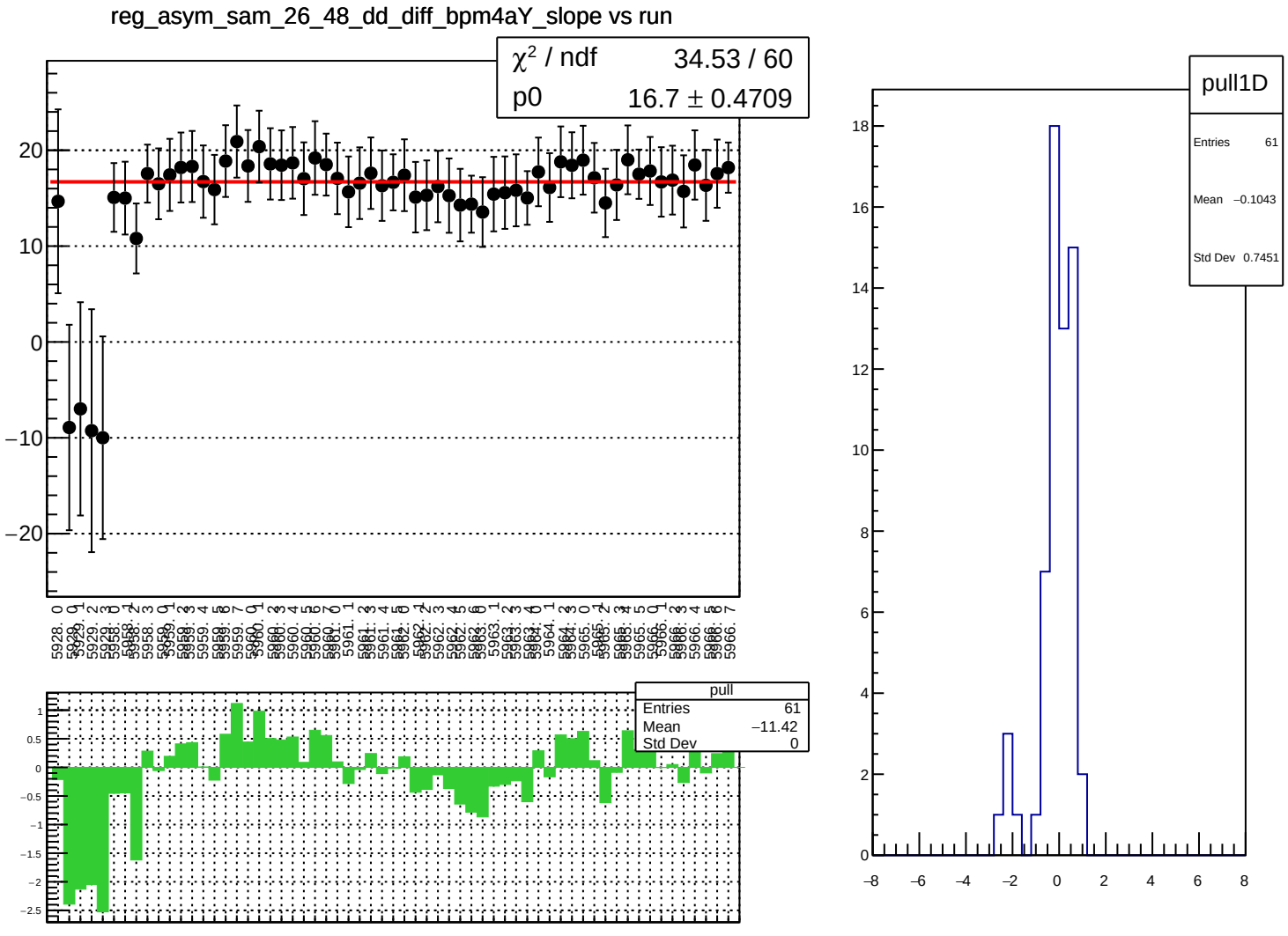

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.096 / 60
p0 −3.639 ± 1.855
pull
Entries 61
Mean 99
Std Dev 0
pull1D
Entries 61
Mean 0.005806
Std Dev 0.1339

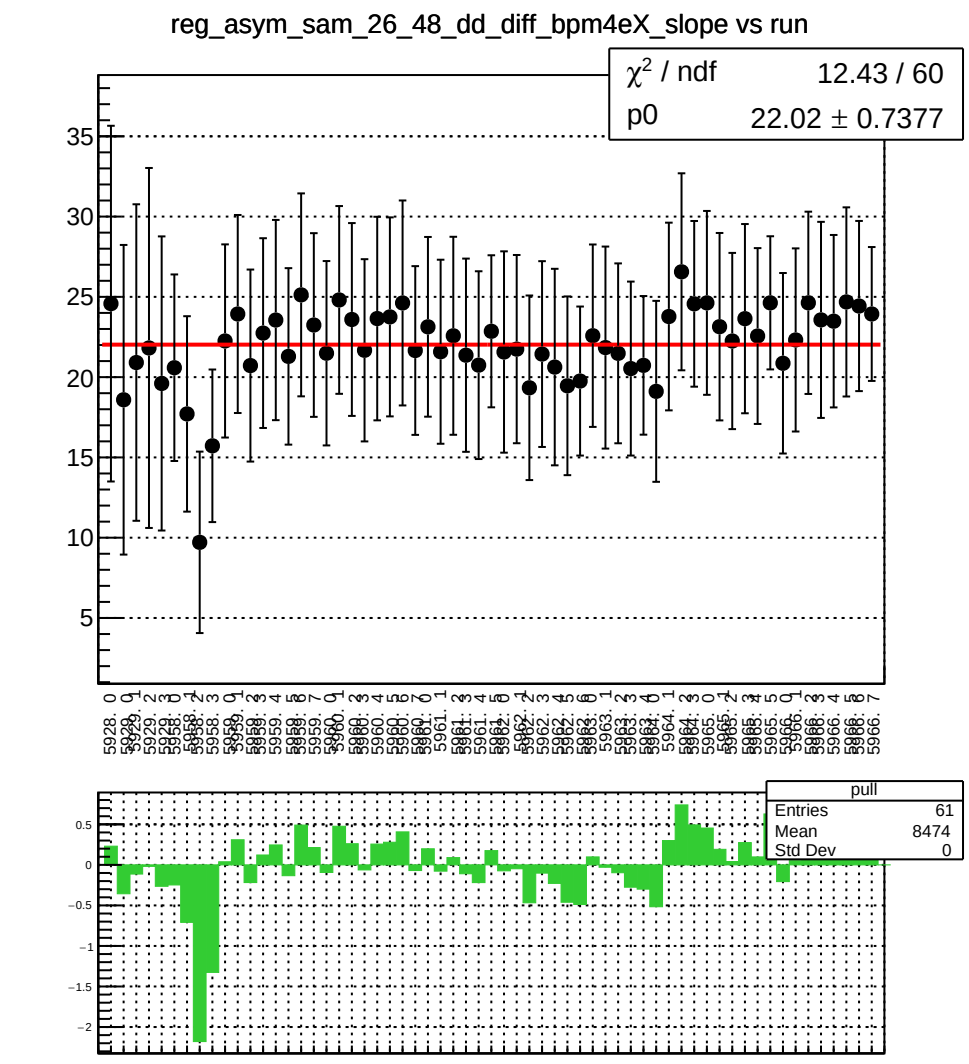

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7478 / 60
p0 −0.4047 ± 0.1773
pull
Entries 61
Mean 607.5
Std Dev 0

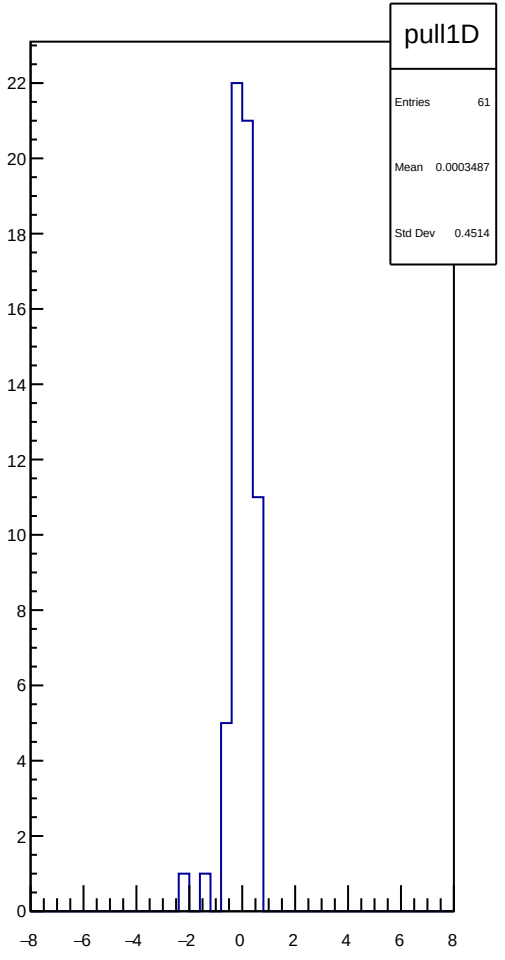

pull1D
Entries 61
Mean 0.001211
Std Dev 0.1107

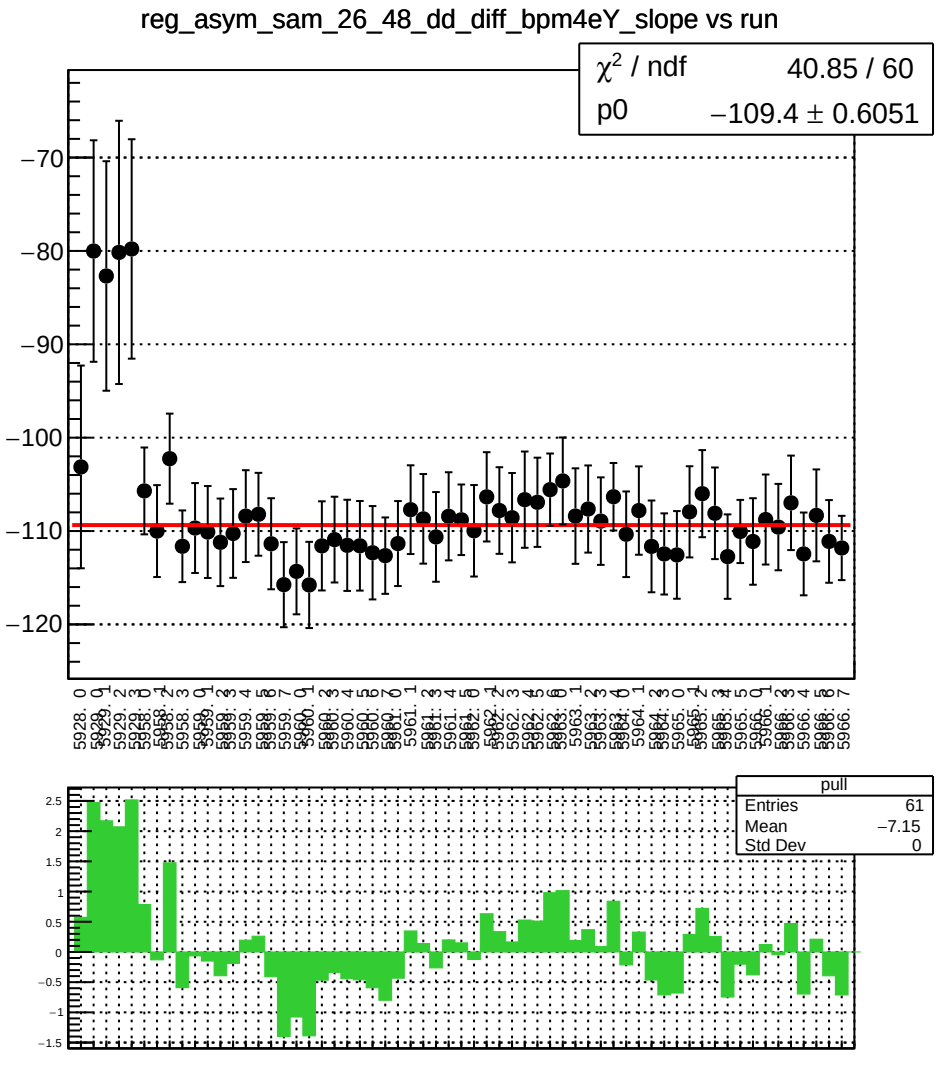

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.59 / 60
p0 −0.4287 ± 0.7314
pull
Entries 61
Mean 4419
Std Dev 0

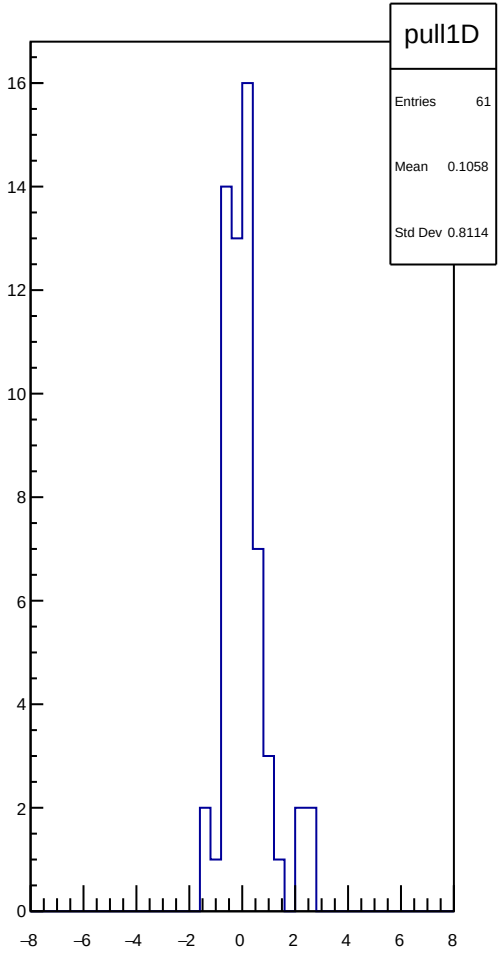

pull1D
Entries 61
Mean −0.0006379
Std Dev 0.4359

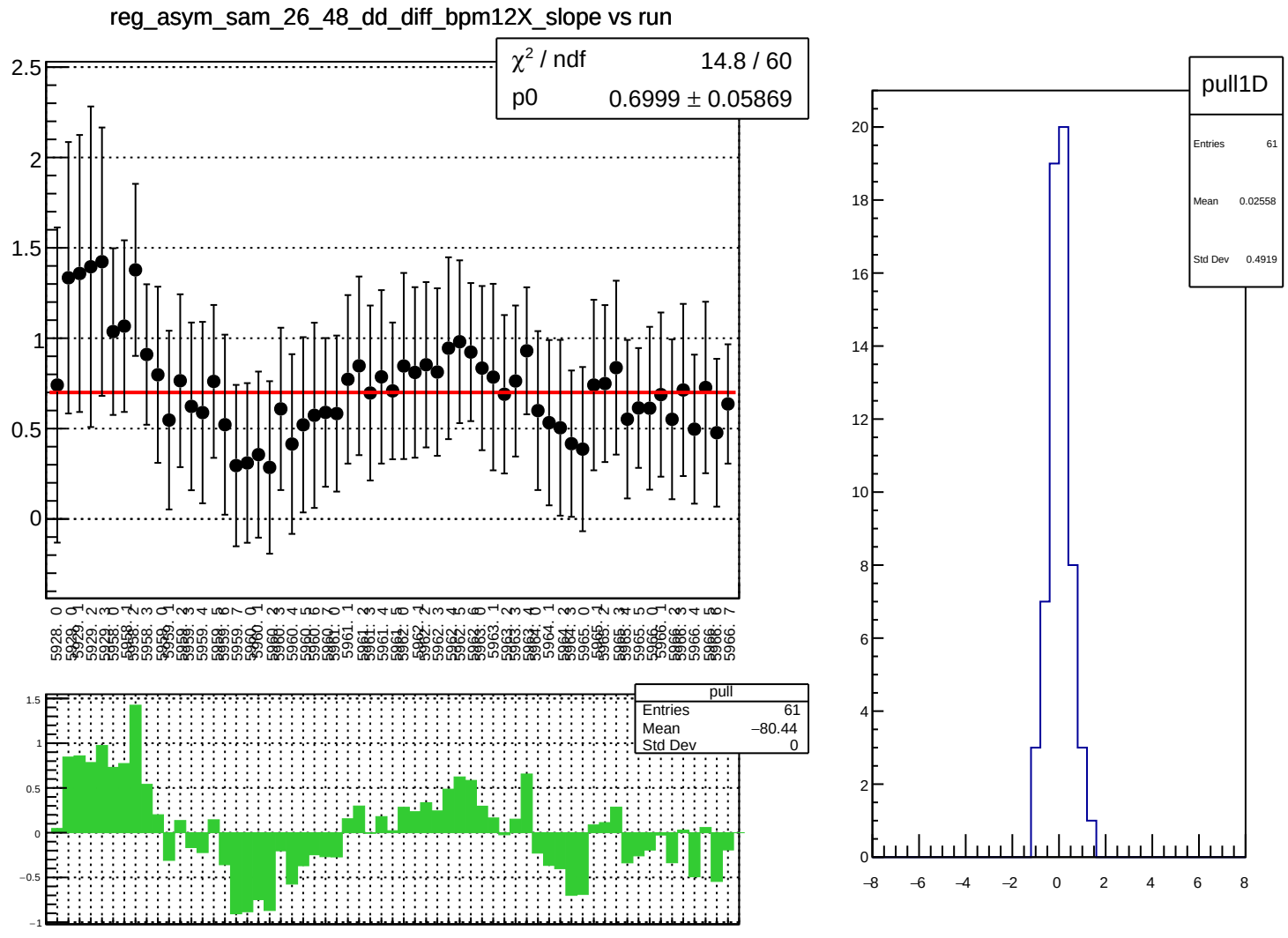

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.53 / 60
p0 16.7 ± 0.4709
pull
Entries 61
Mean −11.42
Std Dev 0
pull1D
Entries 61
Mean −0.1043
Std Dev 0.7451

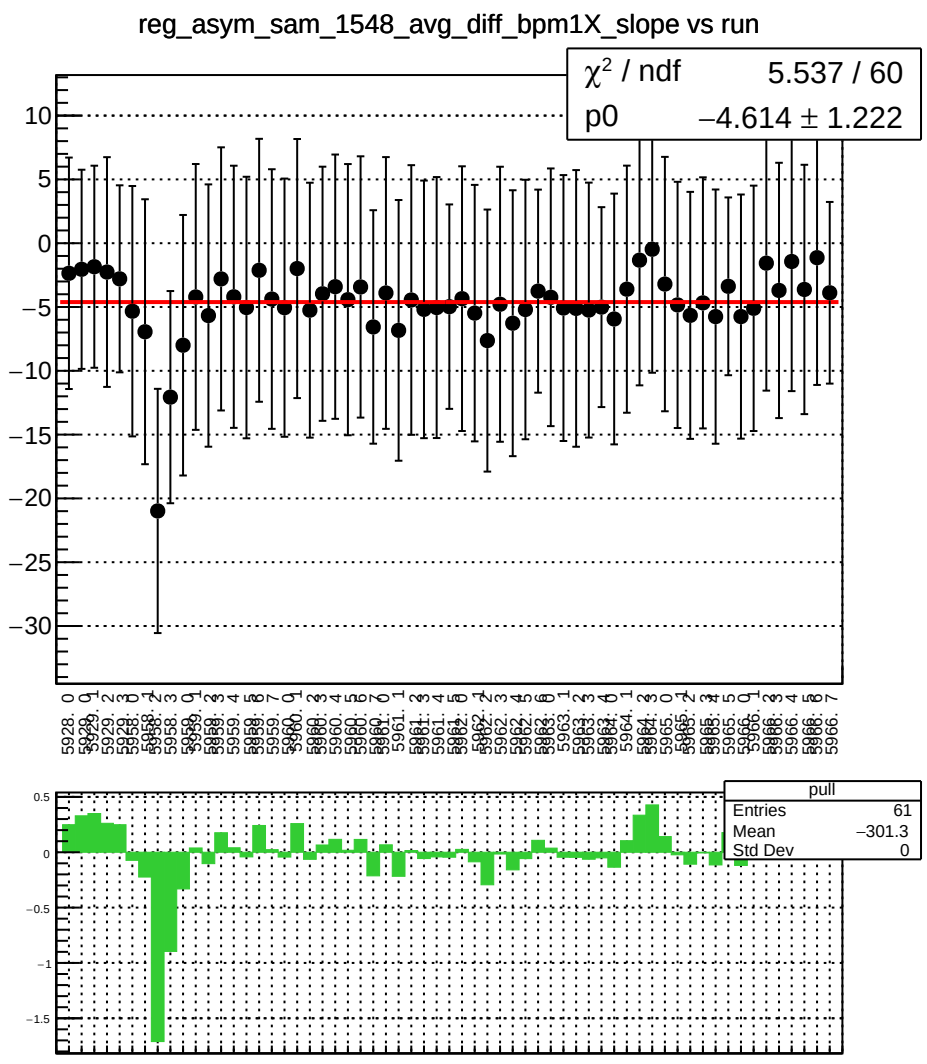

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.43 / 60
p0 22.02 ± 0.7377
pull
Entries 61
Mean 8474
Std Dev 0

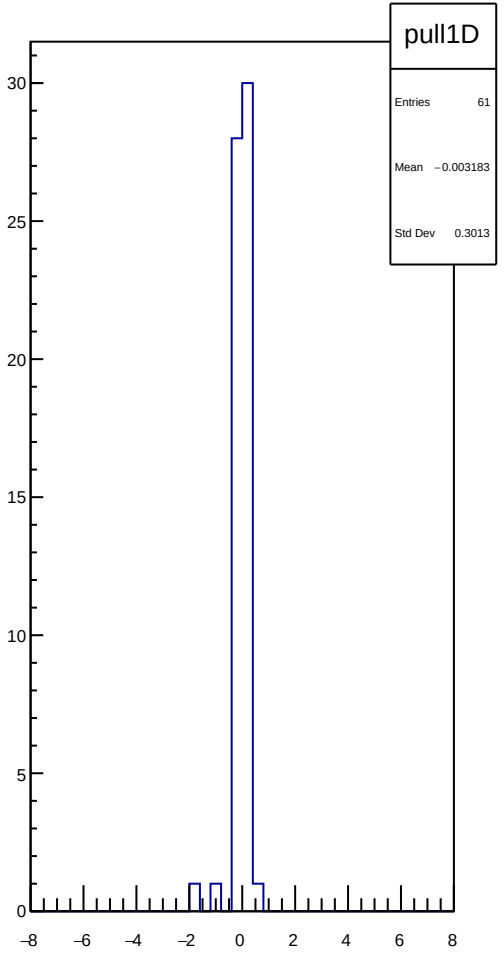

pull1D
Entries 61
Mean 0.0003487
Std Dev 0.4514

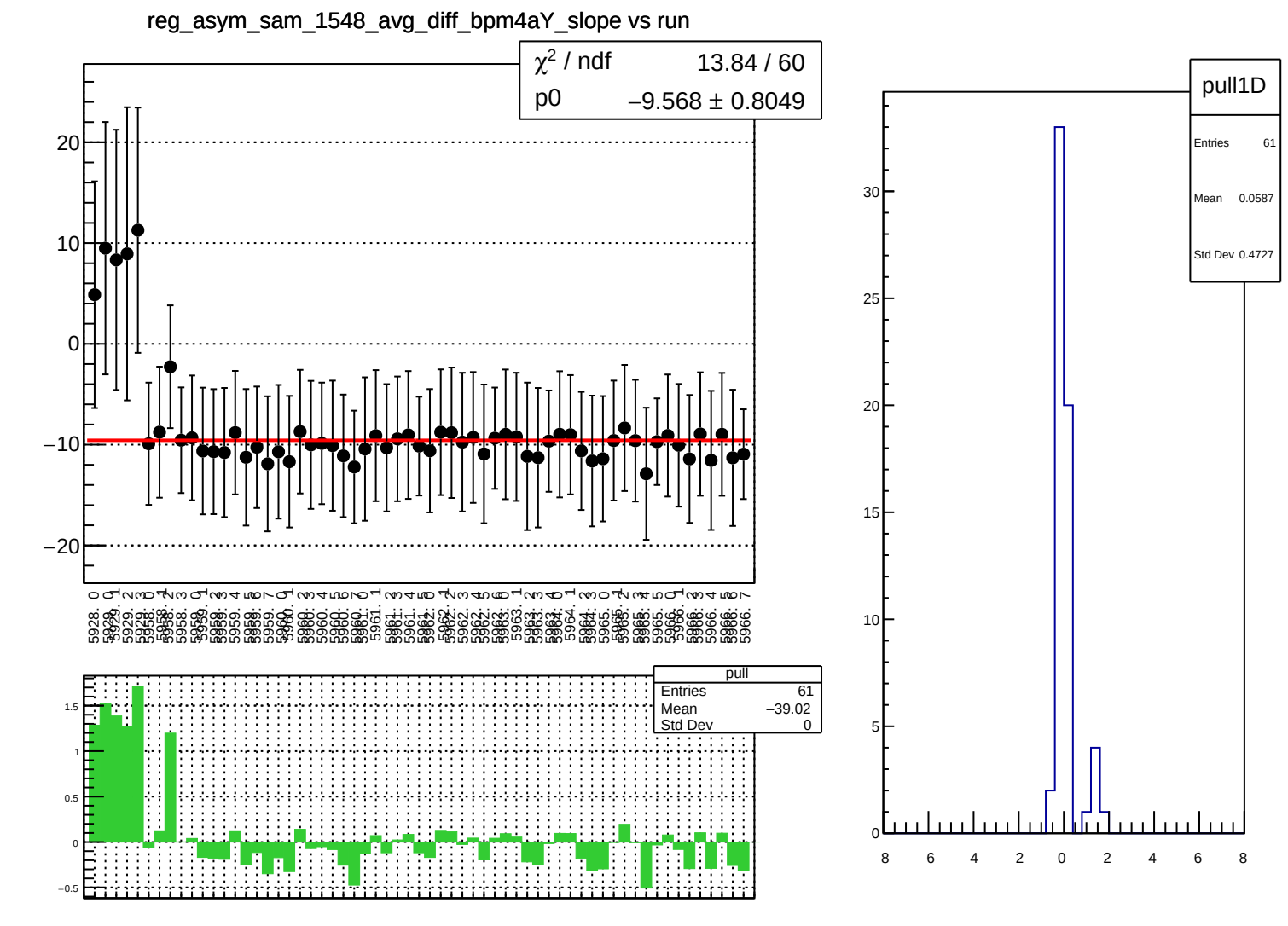

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.85 / 60
p0 −109.4 ± 0.6051
pull
Entries 61
Mean −7.15
Std Dev 0

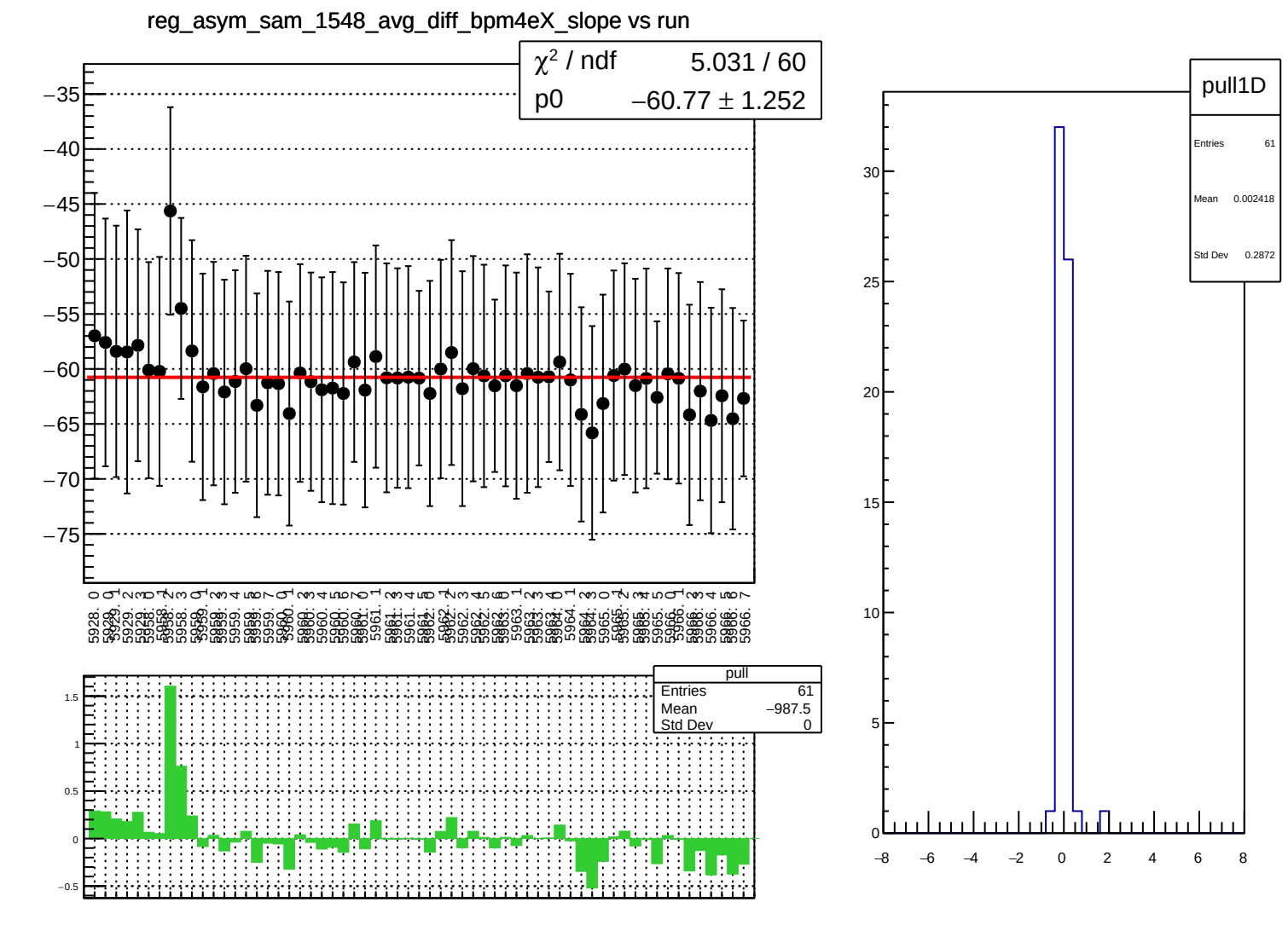

pull1D
Entries 61
Mean 0.1058
Std Dev 0.8114

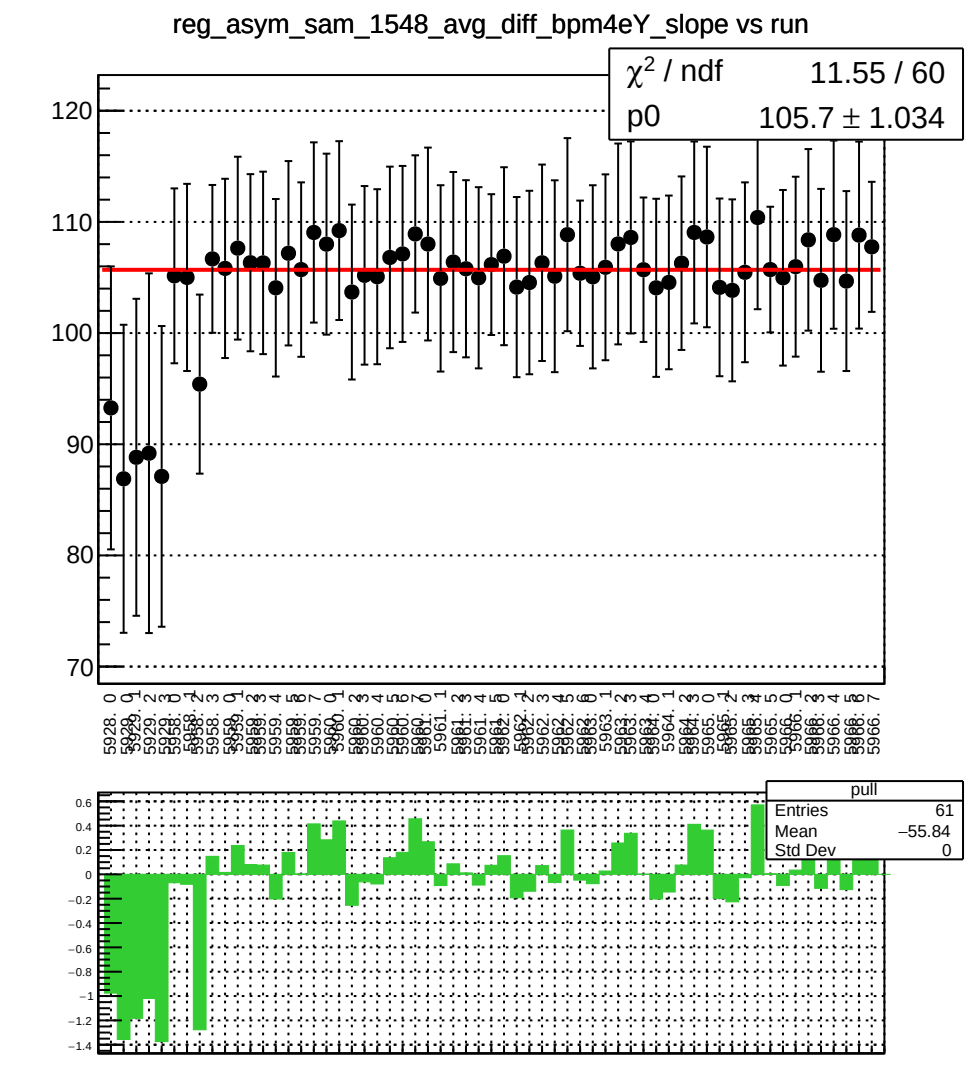

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 14.8 / 60
p0 0.6999 ± 0.05869
pull
Entries 61
Mean −80.44
Std Dev 0
pull1D
Entries 61
Mean 0.02558
Std Dev 0.4919

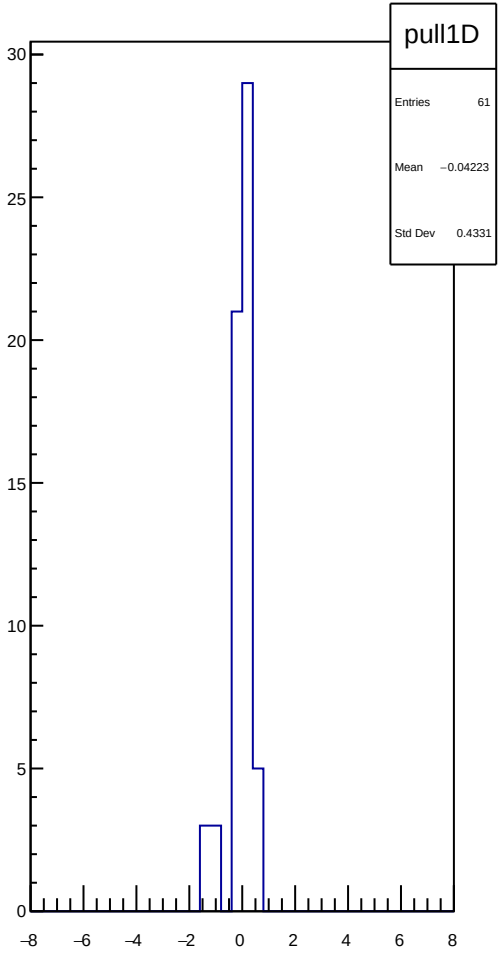

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 5.537 / 60
p0 −4.614 ± 1.222
pull
Entries 61
Mean −301.3
Std Dev 0

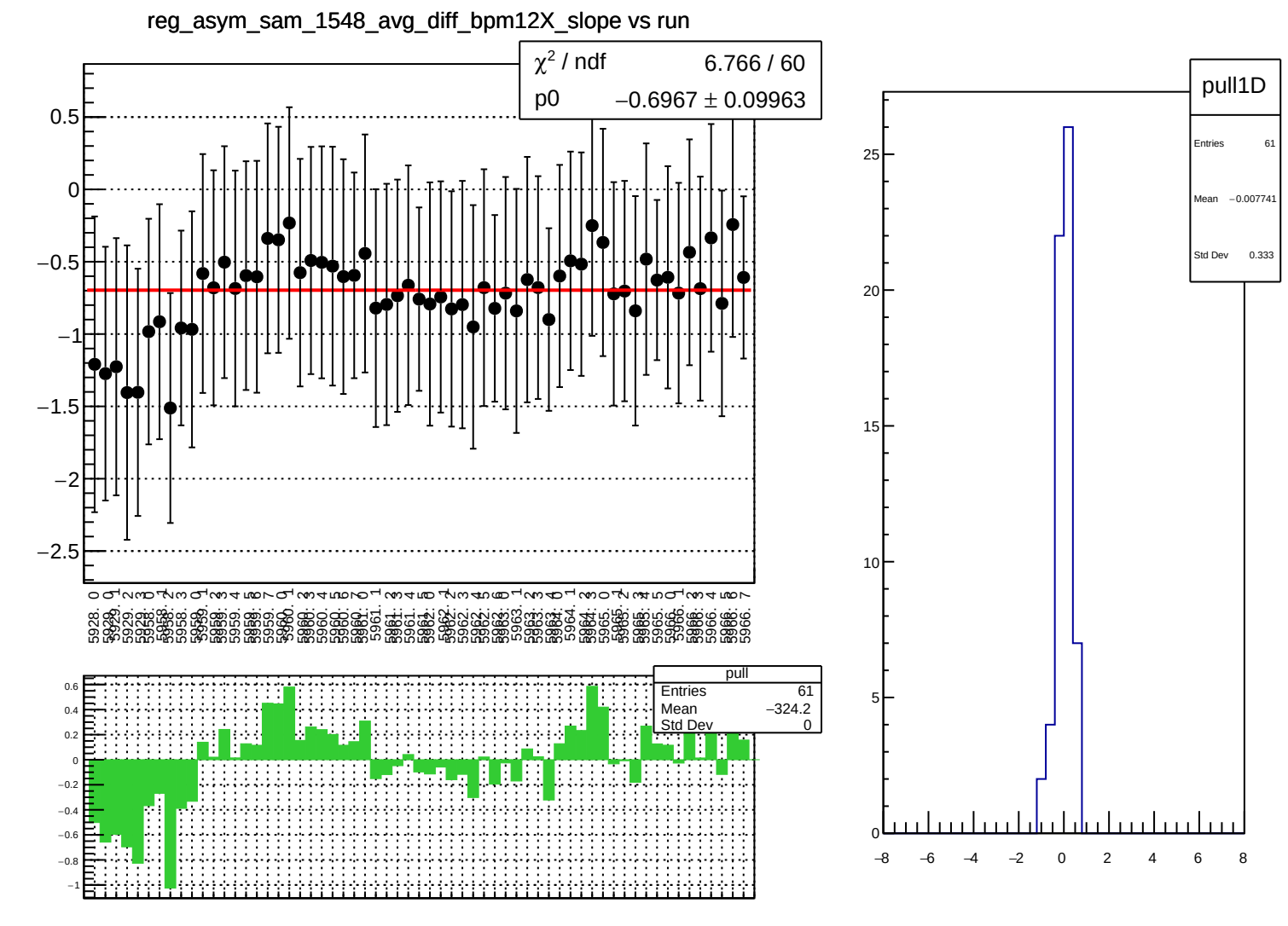

pull1D
Entries 61
Mean −0.003183
Std Dev 0.3013

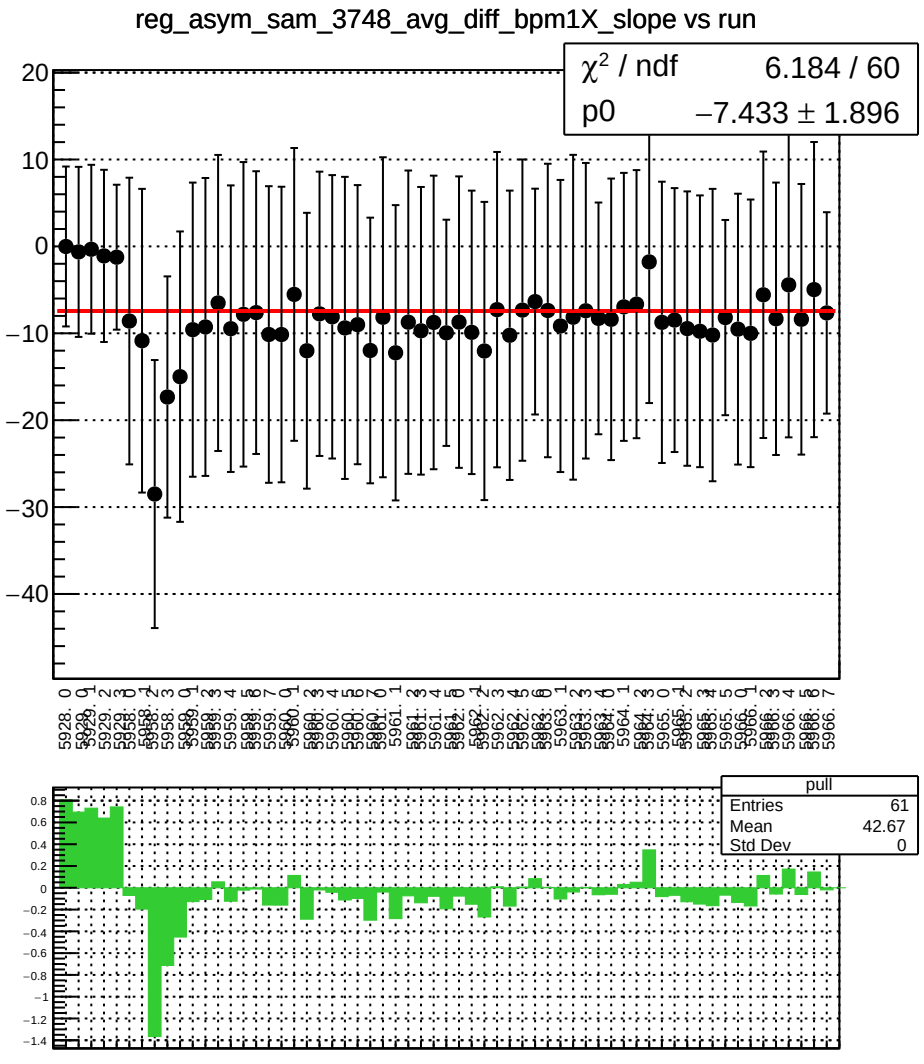

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.84 / 60
p0 −9.568 ± 0.8049
pull
Entries 61
Mean −39.02
Std Dev 0
pull1D
Entries 61
Mean 0.0587
Std Dev 0.4727

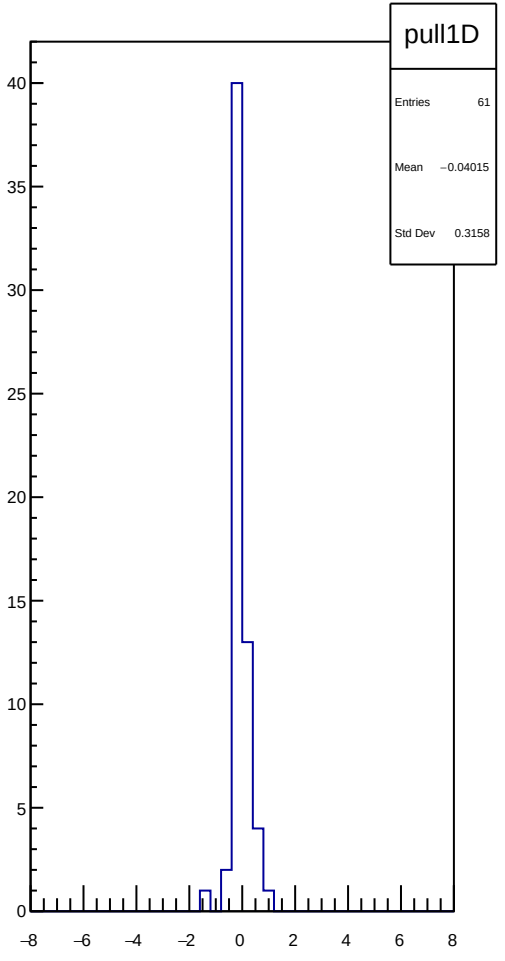

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.031 / 60
p0 −60.77 ± 1.252
pull
Entries 61
Mean −987.5
Std Dev 0
pull1D
Entries 61
Mean 0.002418
Std Dev 0.2872

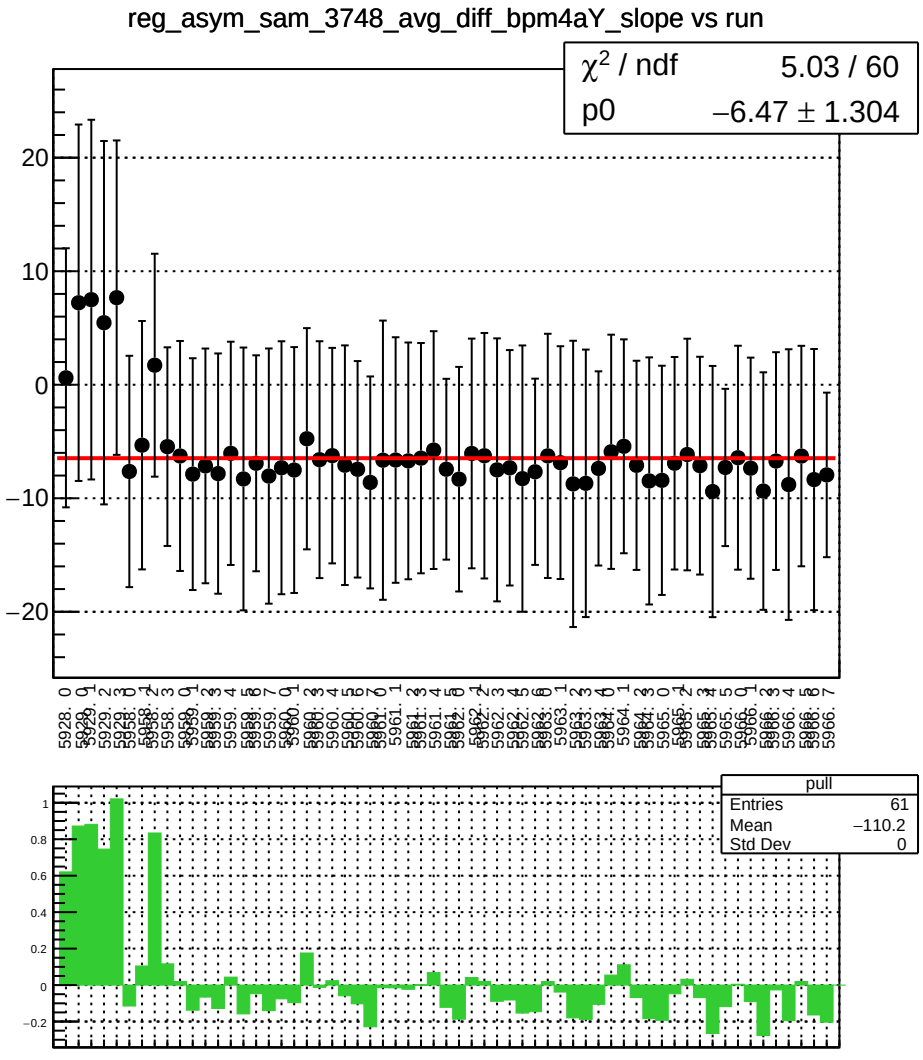

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.55 / 60
p0 105.7 ± 1.034
pull
Entries 61
Mean −55.84
Std Dev 0

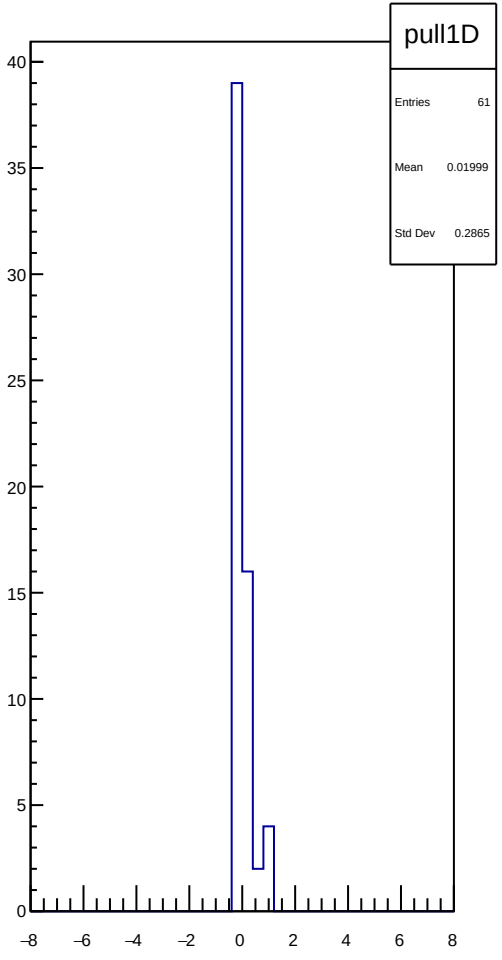

pull1D
Entries 61
Mean −0.04223
Std Dev 0.4331

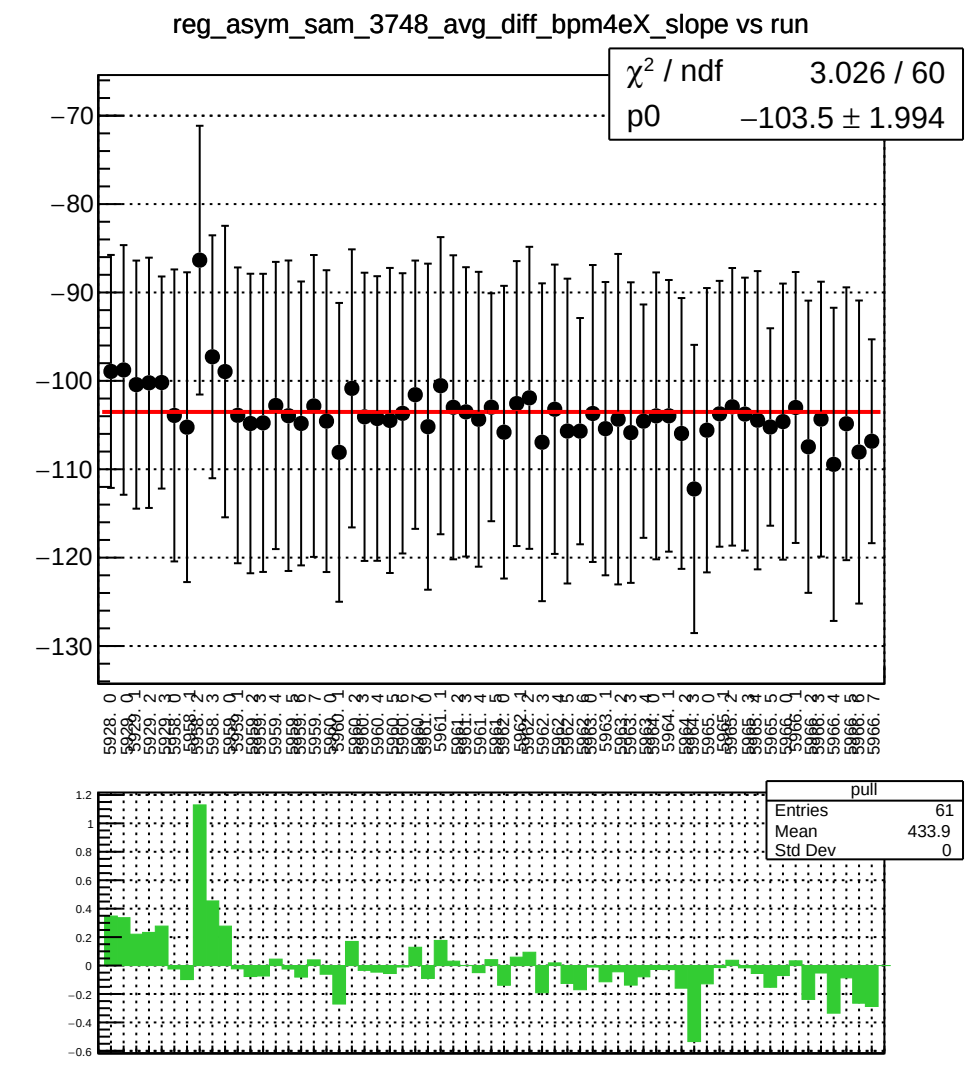

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.766 / 60
p0 −0.6967 ± 0.09963
pull
Entries 61
Mean −324.2
Std Dev 0
pull1D
Entries 61
Mean −0.007741
Std Dev 0.333

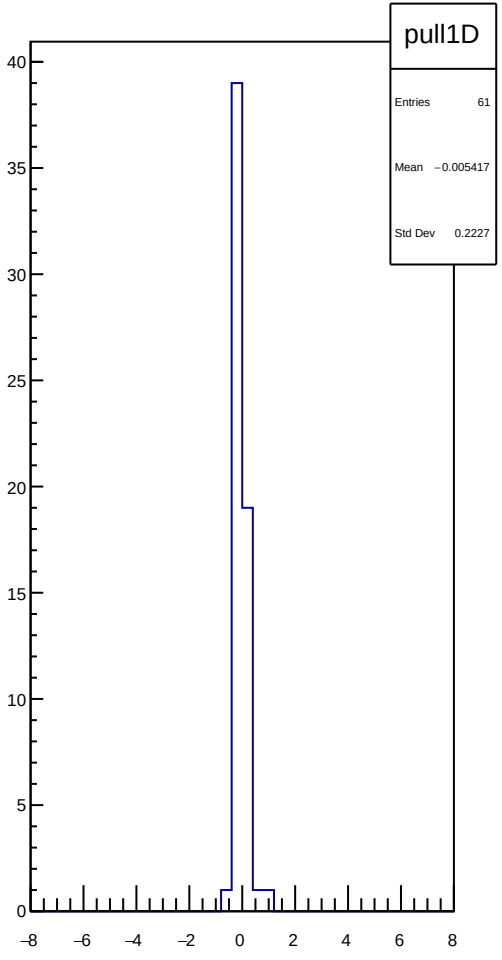

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 6.184 / 60
p0 −7.433 ± 1.896
pull
Entries 61
Mean 42.67
Std Dev 0

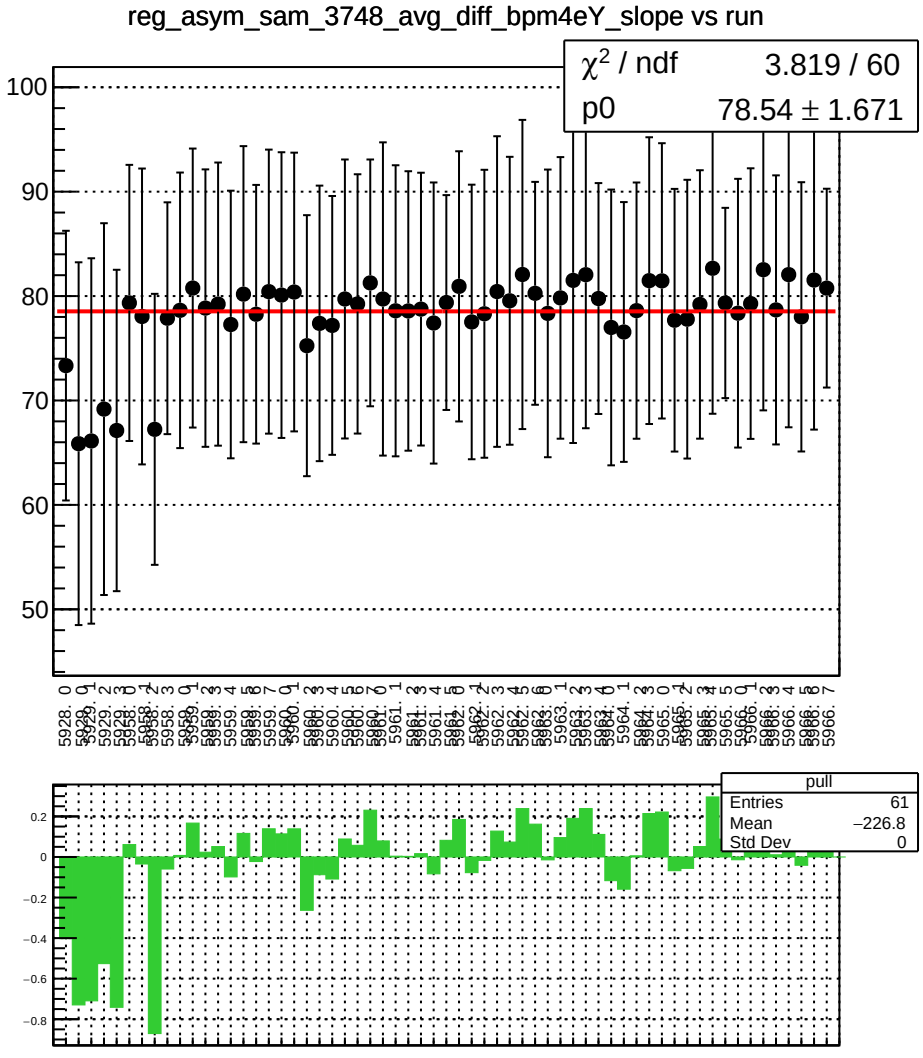

pull1D
Entries 61
Mean −0.04015
Std Dev 0.3158

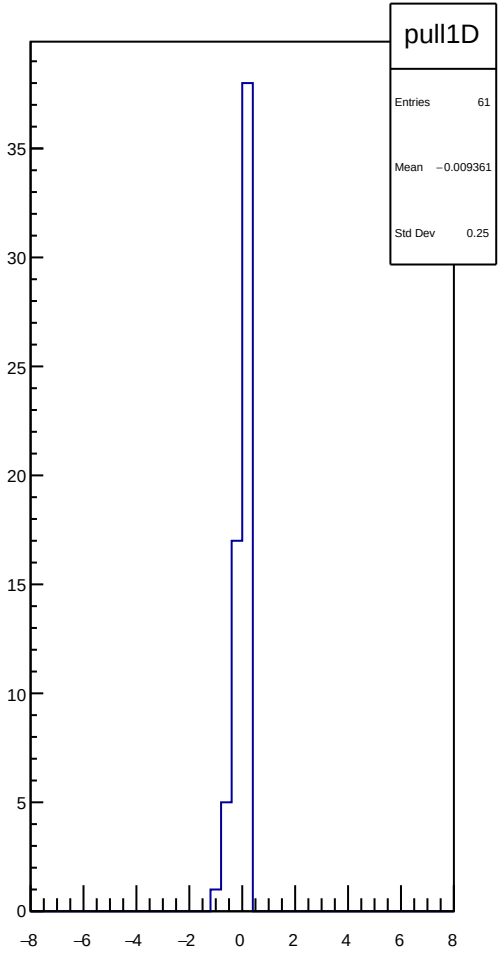

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.03 / 60
p0 −6.47 ± 1.304
pull
Entries 61
Mean −110.2
Std Dev 0

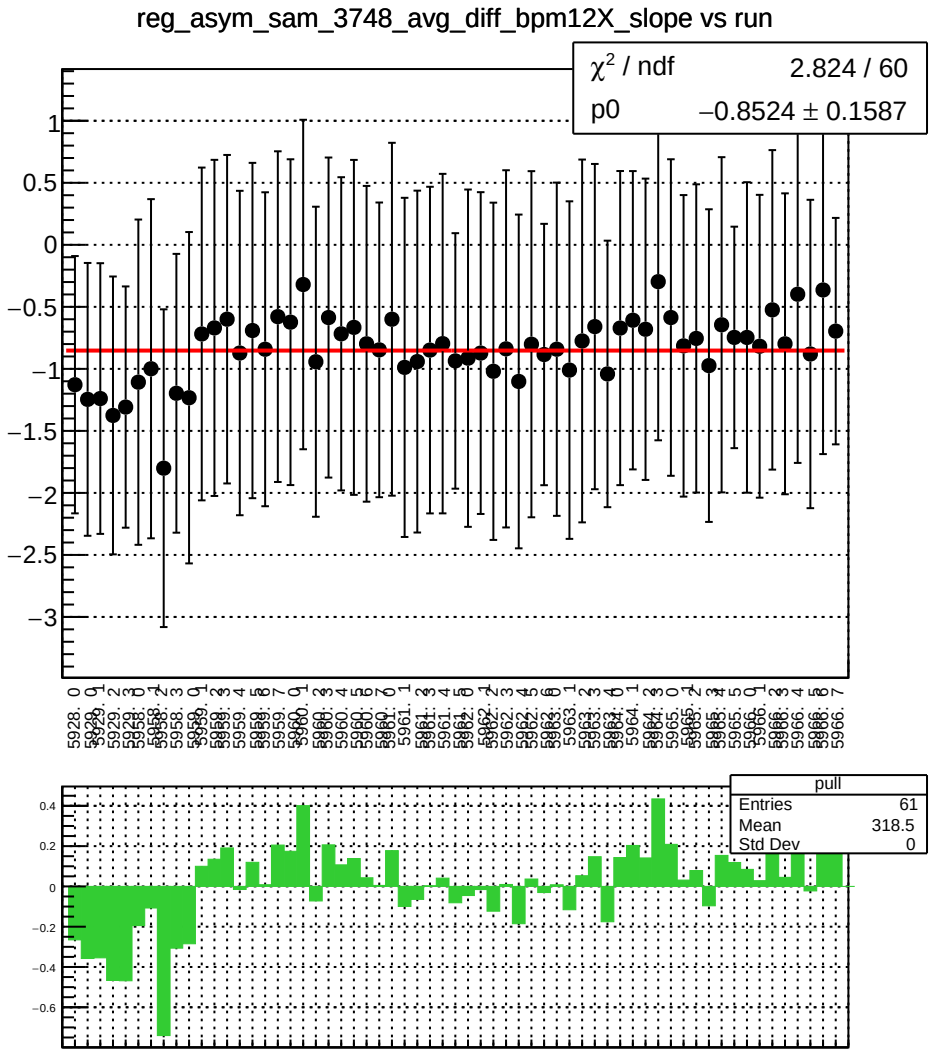

pull1D
Entries 61
Mean 0.01999
Std Dev 0.2865

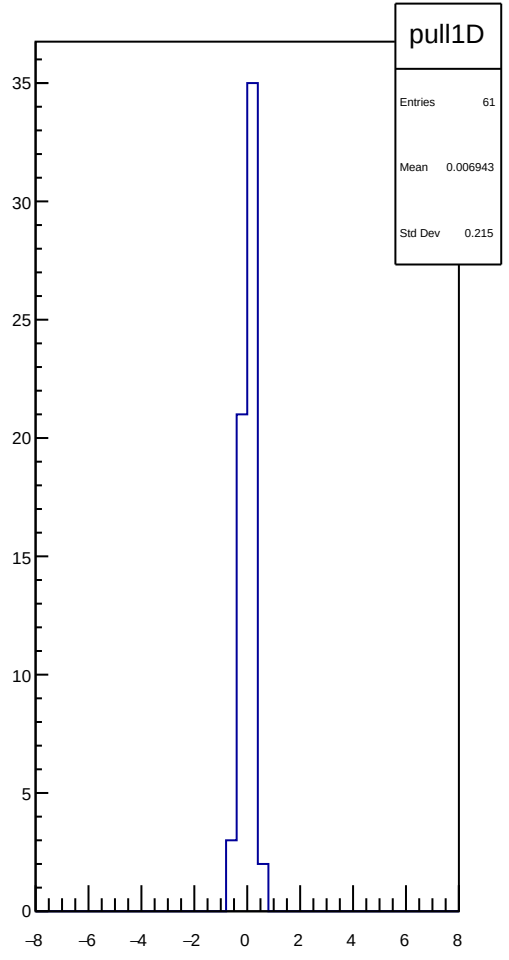

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.026 / 60
p0 −103.5 ± 1.994
pull
Entries 61
Mean 433.9
Std Dev 0

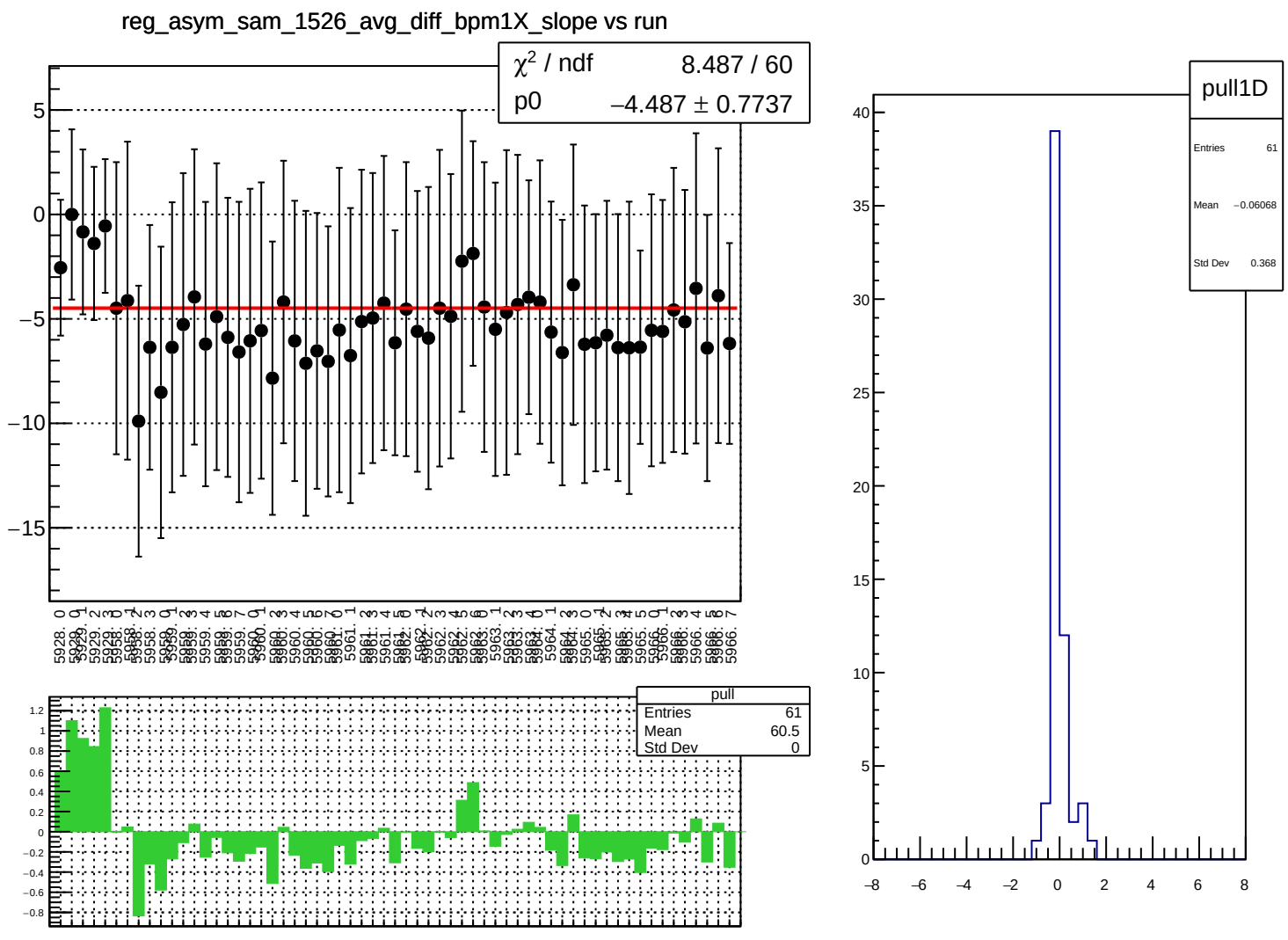

pull1D
Entries 61
Mean −0.005417
Std Dev 0.2227

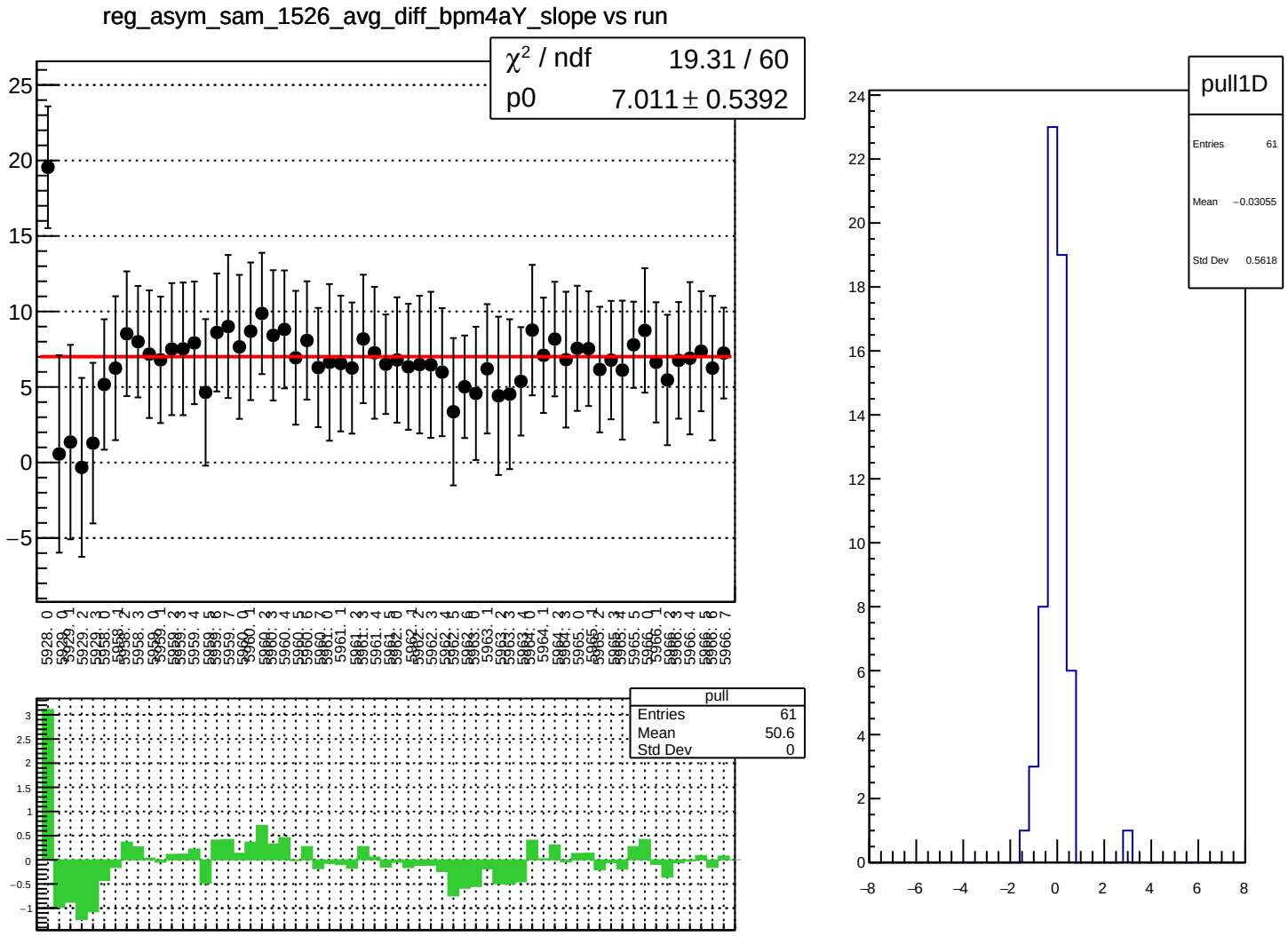

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.819 / 60
p0 78.54 ± 1.671
pull
Entries 61
Mean −226.8
Std Dev 0

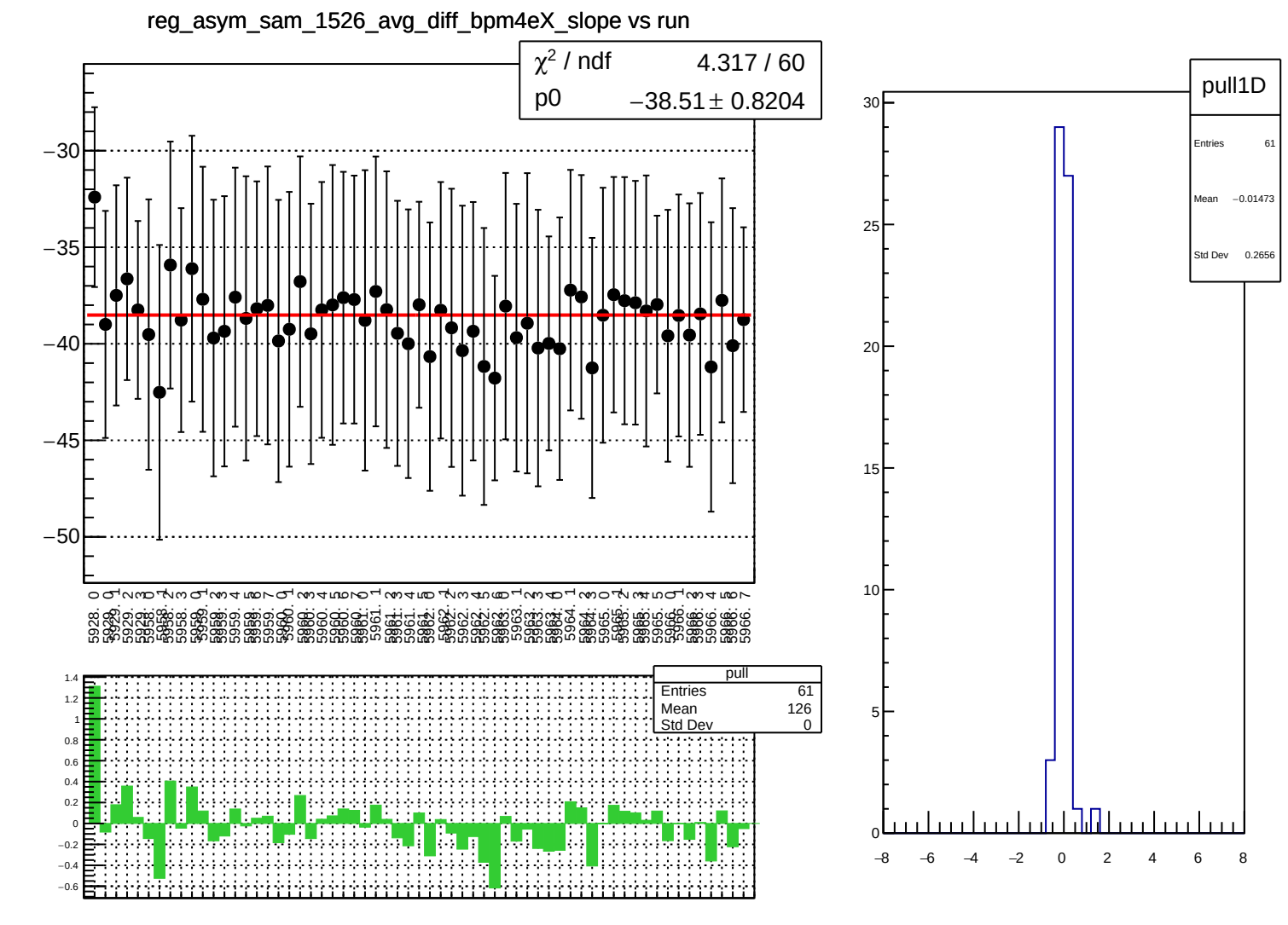

pull1D
Entries 61
Mean −0.009361
Std Dev 0.25

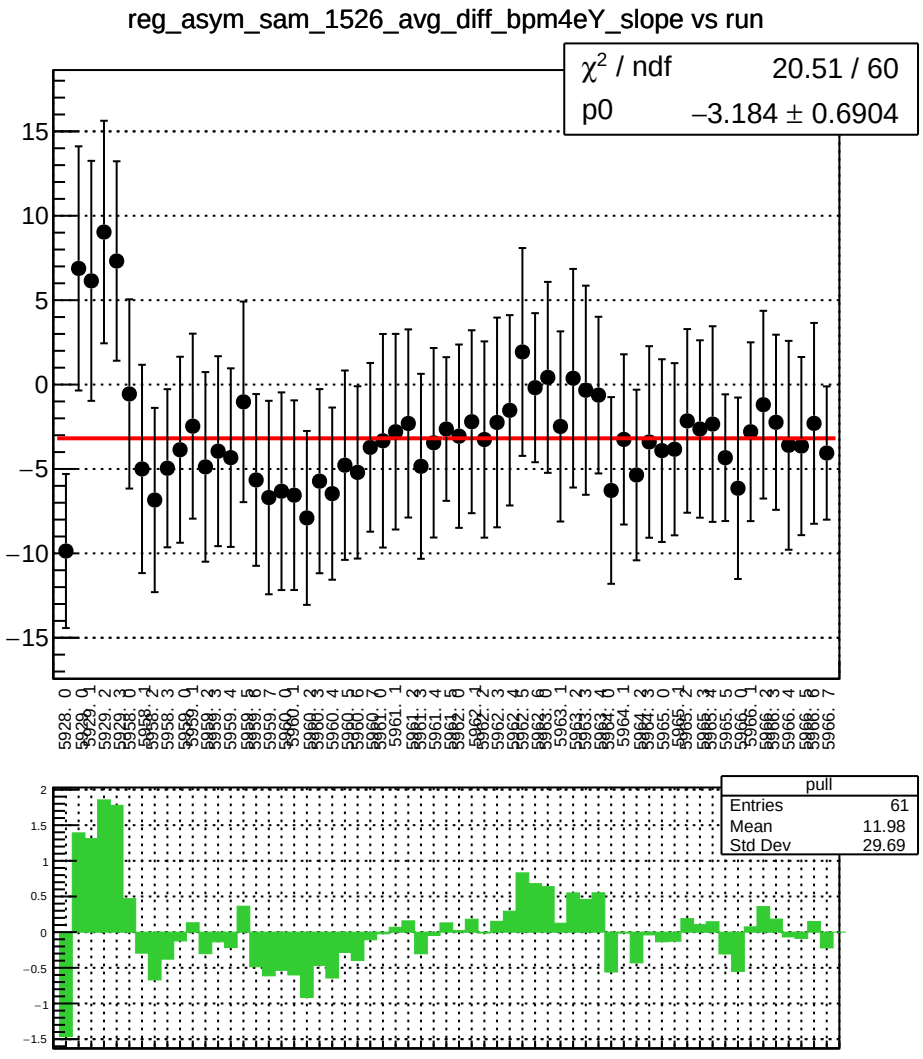

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.824 / 60
p0 −0.8524 ± 0.1587
pull
Entries 61
Mean 318.5
Std Dev 0

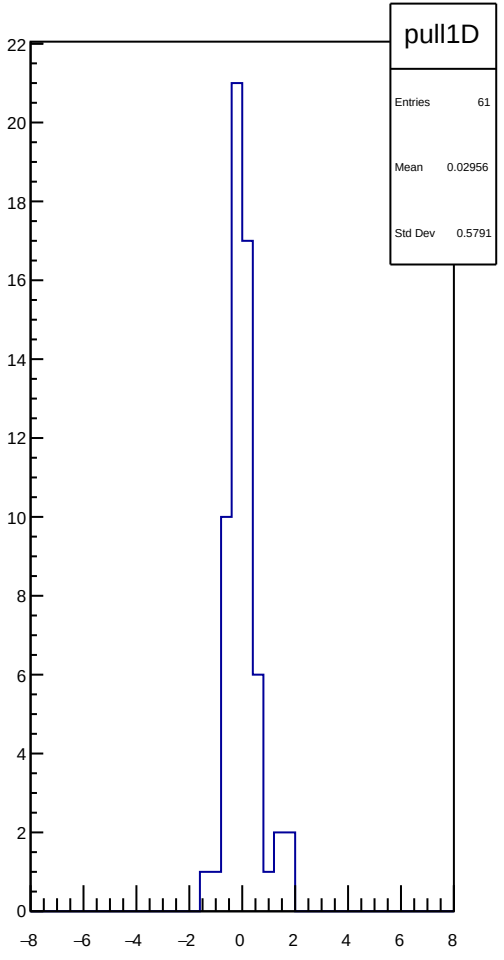

pull1D
Entries 61
Mean 0.006943
Std Dev 0.215

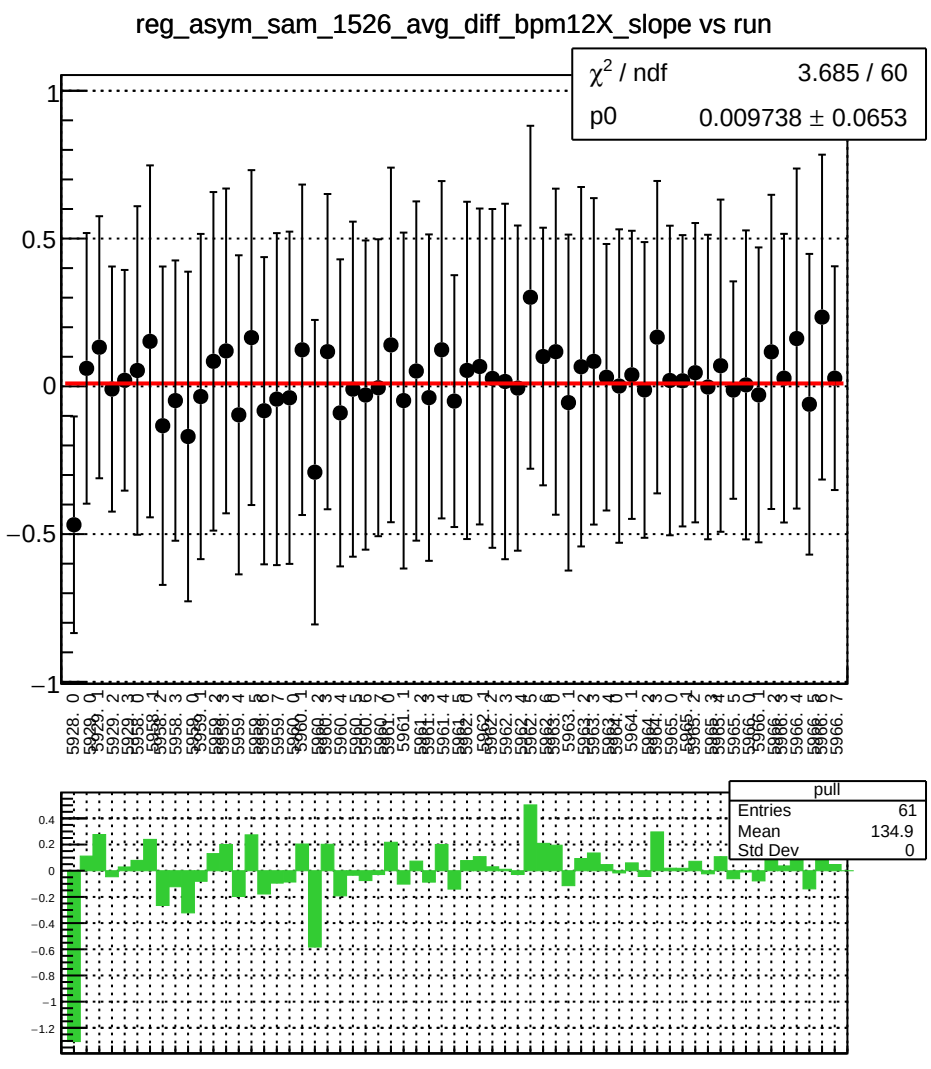

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 8.487 / 60
p0 −4.487 ± 0.7737
pull
Entries 61
Mean 60.5
Std Dev 0
pull1D
Entries 61
Mean −0.06068
Std Dev 0.368

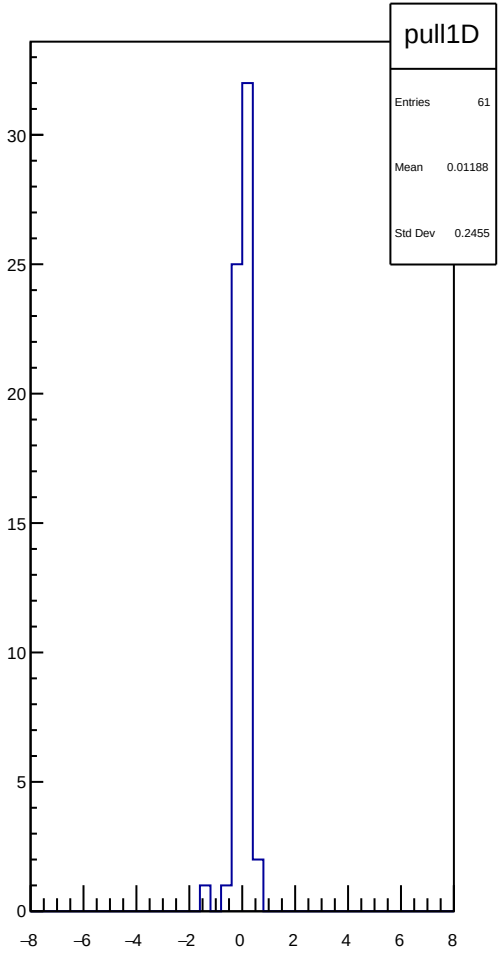

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.31 / 60
p0 7.011 ± 0.5392
pull
Entries 61
Mean 50.6
Std Dev 0
pull1D
Entries 61
Mean −0.03055
Std Dev 0.5618

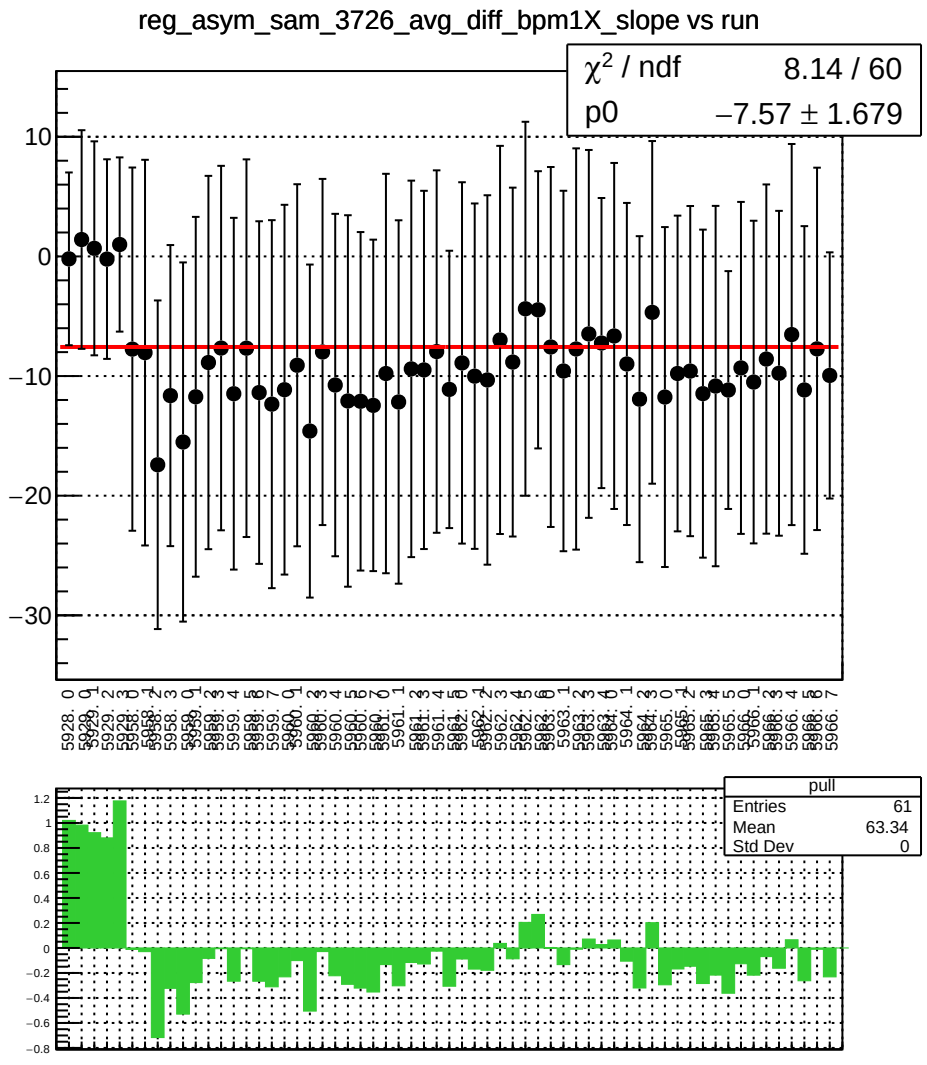

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.317 / 60
p0 −38.51 ± 0.8204
pull
Entries 61
Mean 126
Std Dev 0
pull1D
Entries 61
Mean −0.01473
Std Dev 0.2656

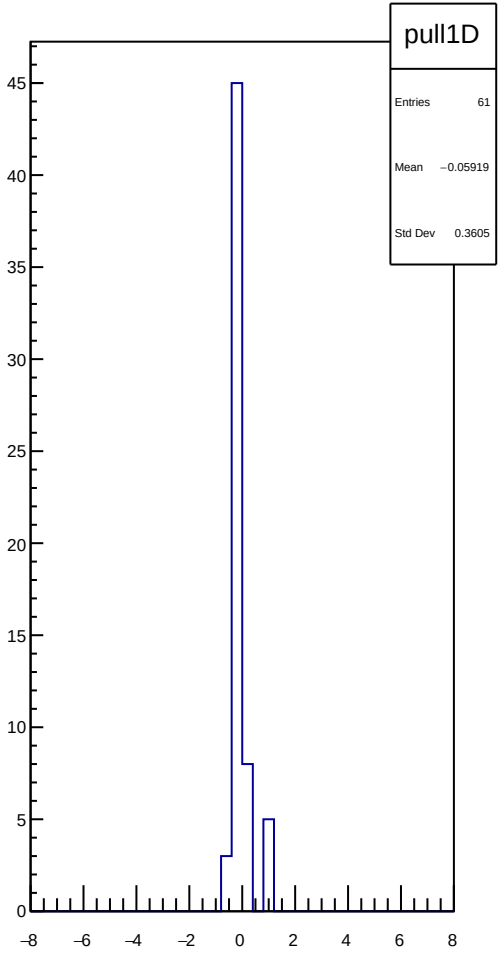

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.51 / 60
p0 −3.184 ± 0.6904
pull
Entries 61
Mean 11.98
Std Dev 29.69

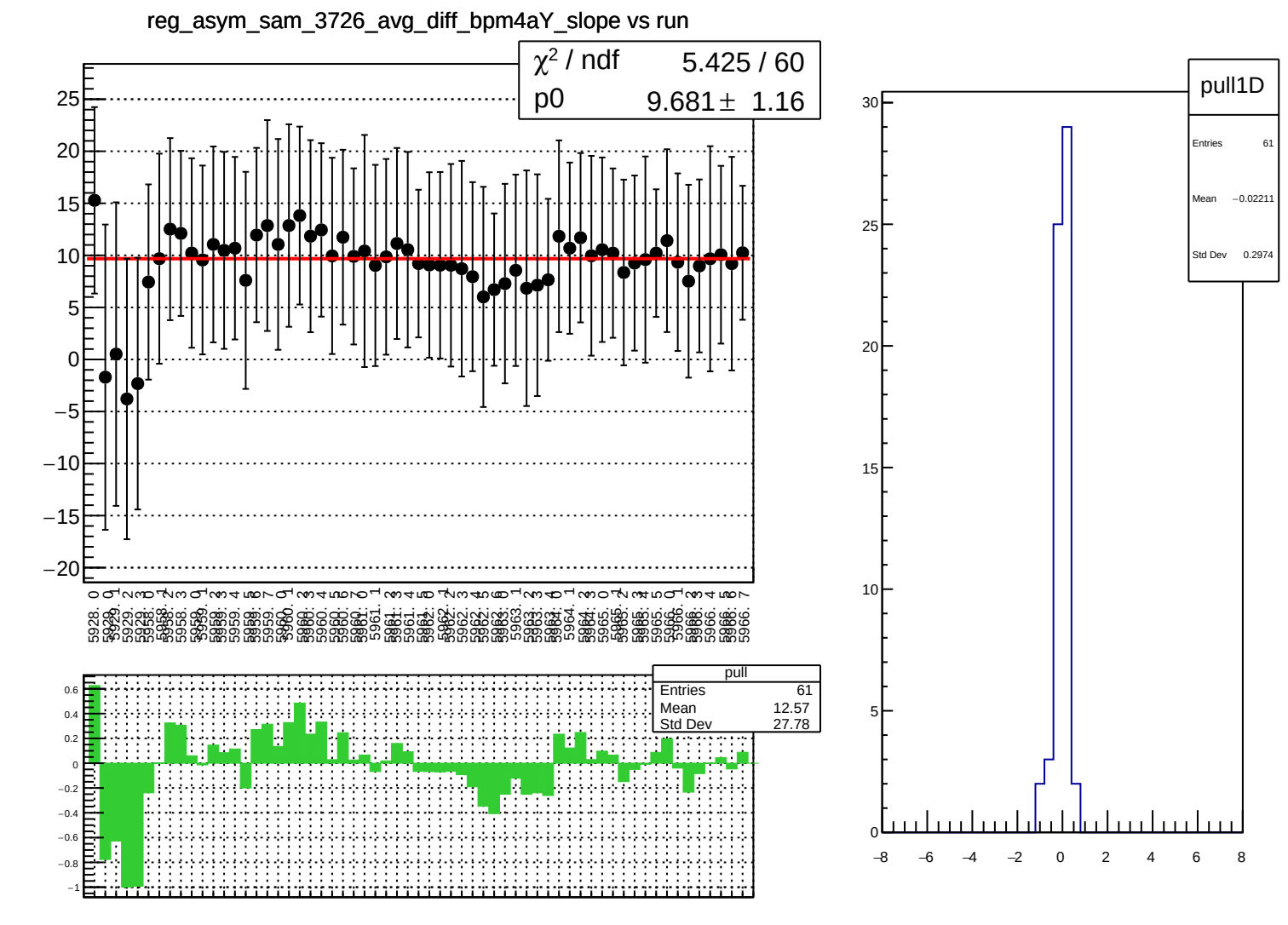

pull1D
Entries 61
Mean 0.02956
Std Dev 0.5791

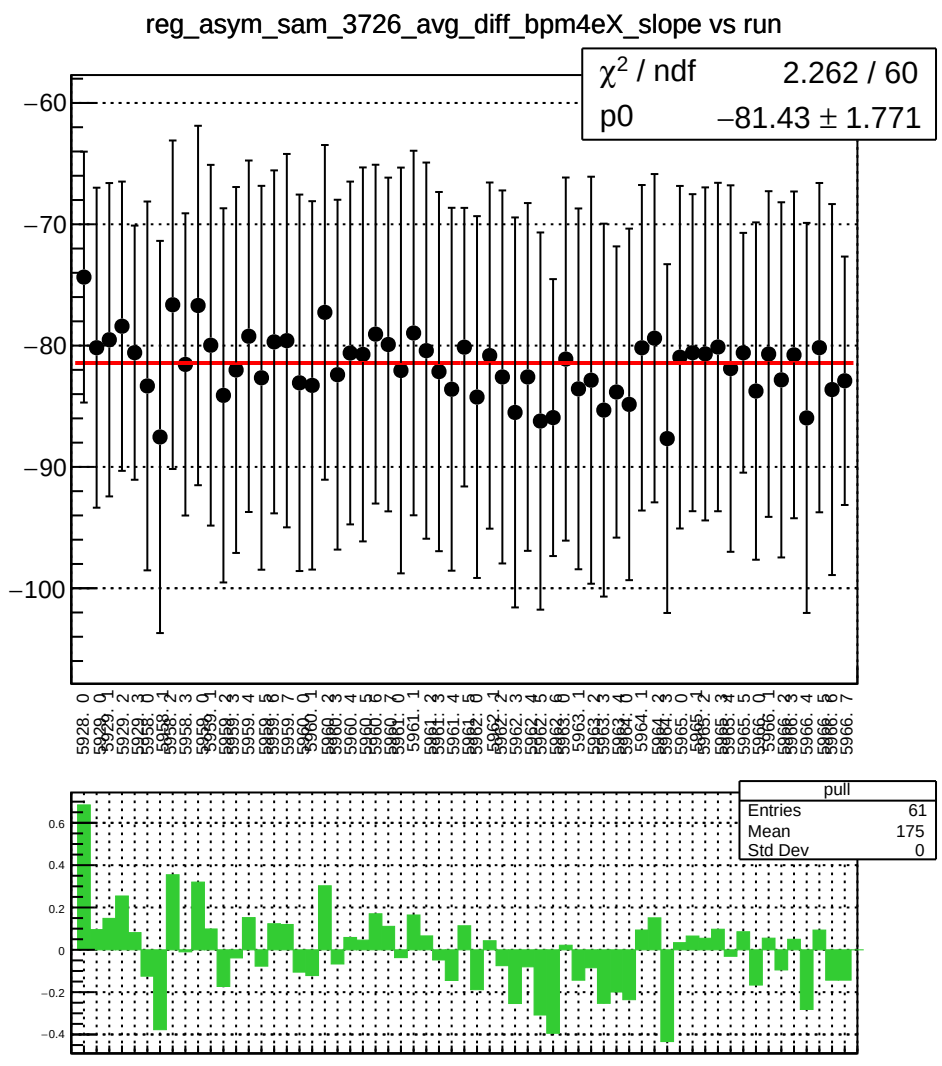

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.685 / 60
p0 0.009738 ± 0.0653
pull
Entries 61
Mean 134.9
Std Dev 0

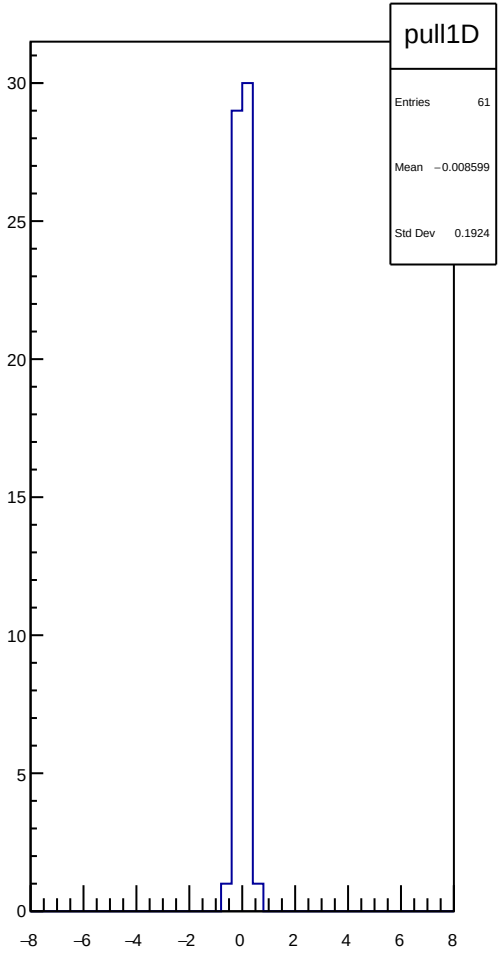

pull1D
Entries 61
Mean 0.01188
Std Dev 0.2455

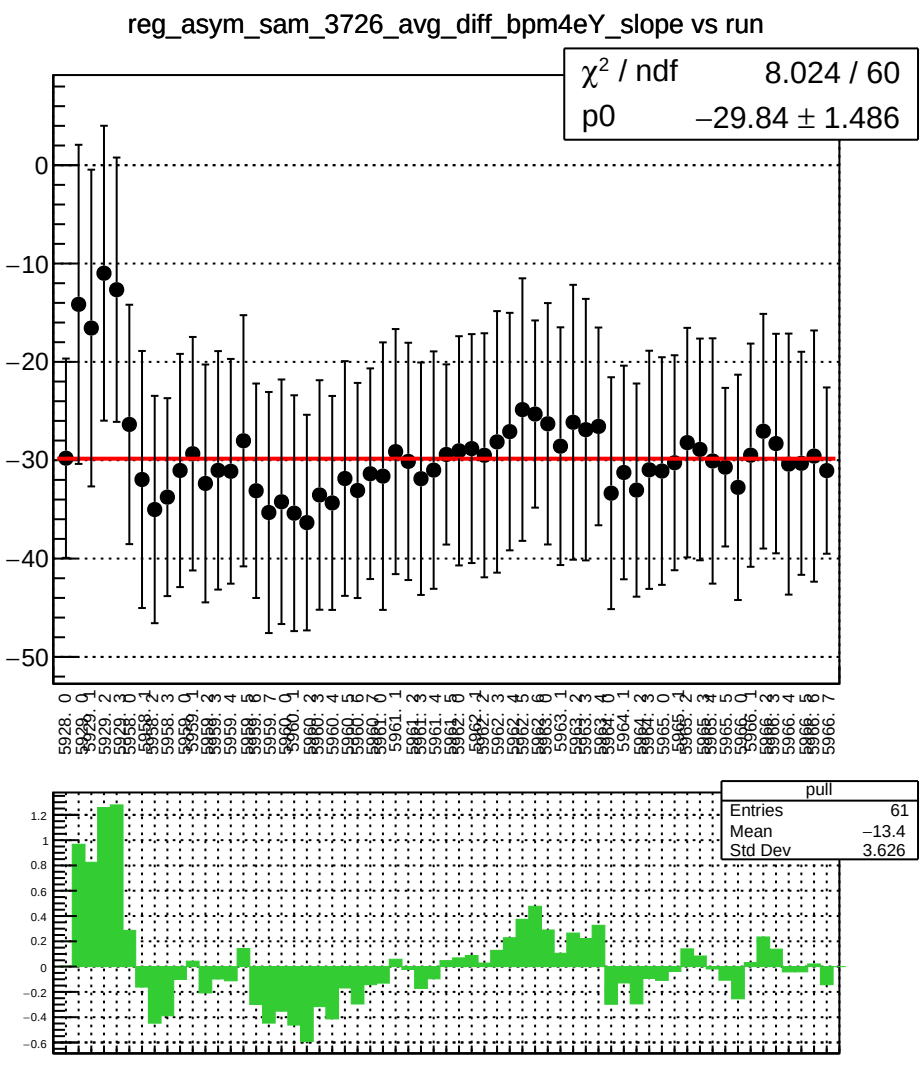

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 8.14 / 60
p0 −7.57 ± 1.679
pull
Entries 61
Mean 63.34
Std Dev 0

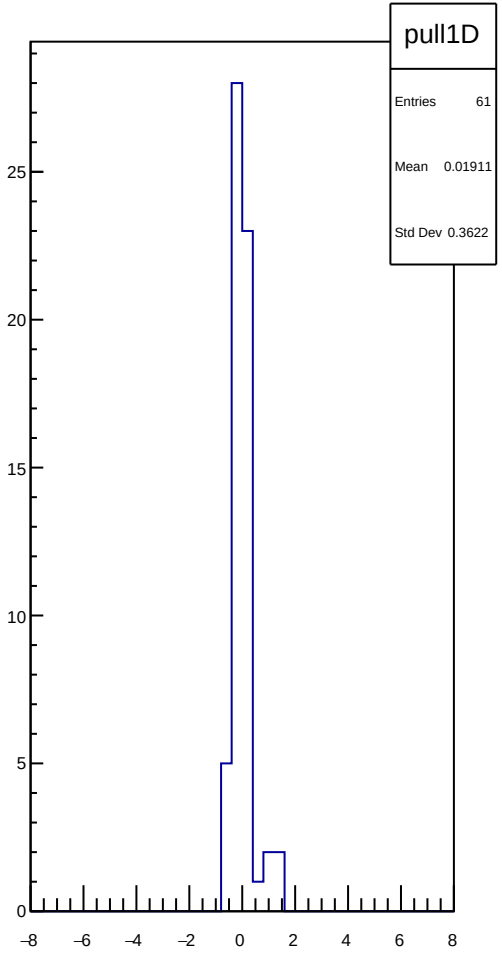

pull1D
Entries 61
Mean −0.05919
Std Dev 0.3605

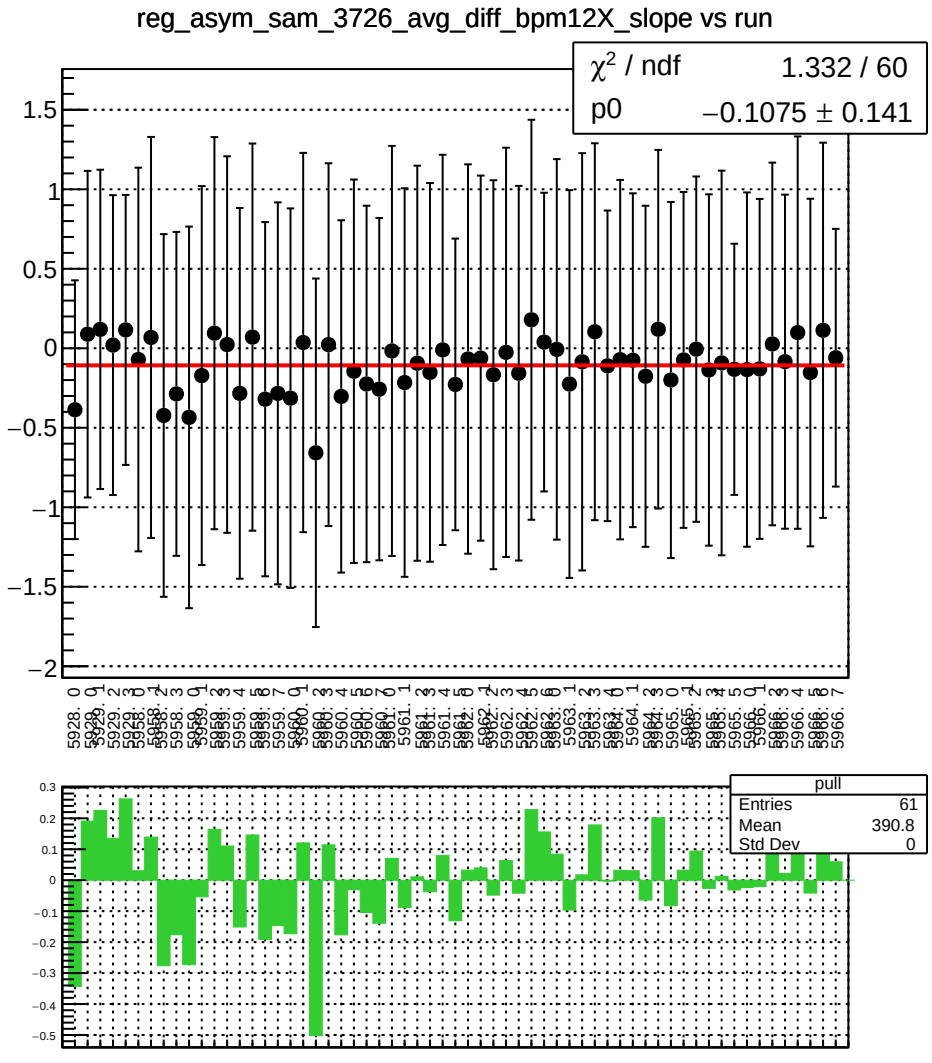

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.425 / 60
p0 9.681 ± 1.16
pull
Entries 61
Mean 12.57
Std Dev 27.78
pull1D
Entries 61
Mean −0.02211
Std Dev 0.2974

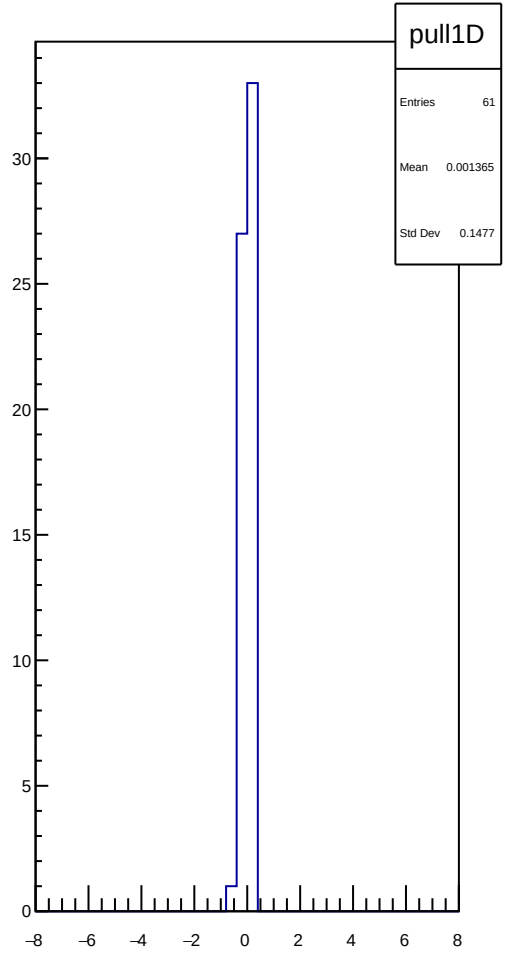

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.262 / 60
p0 −81.43 ± 1.771
pull
Entries 61
Mean 175
Std Dev 0

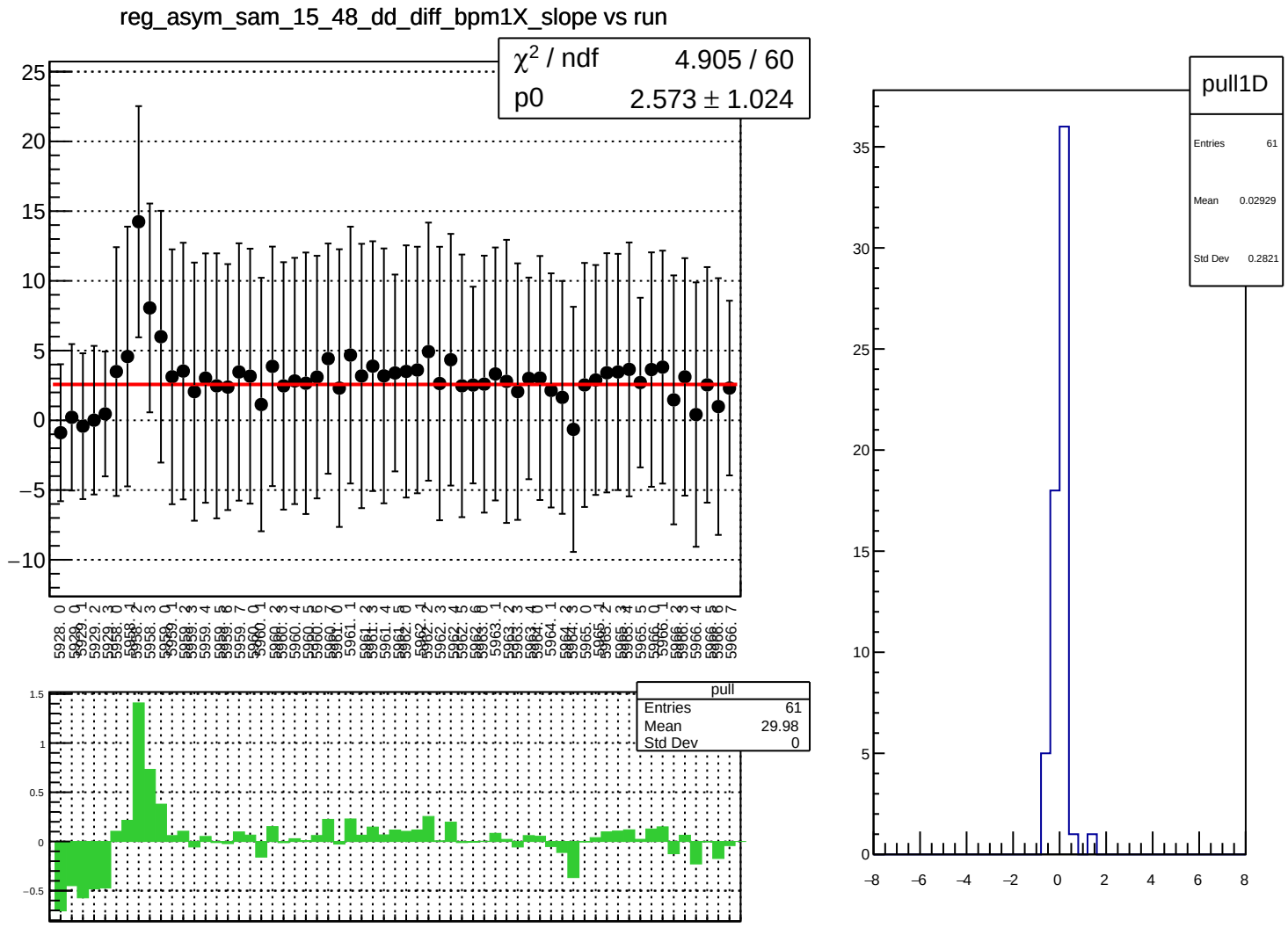

pull1D
Entries 61
Mean −0.008599
Std Dev 0.1924

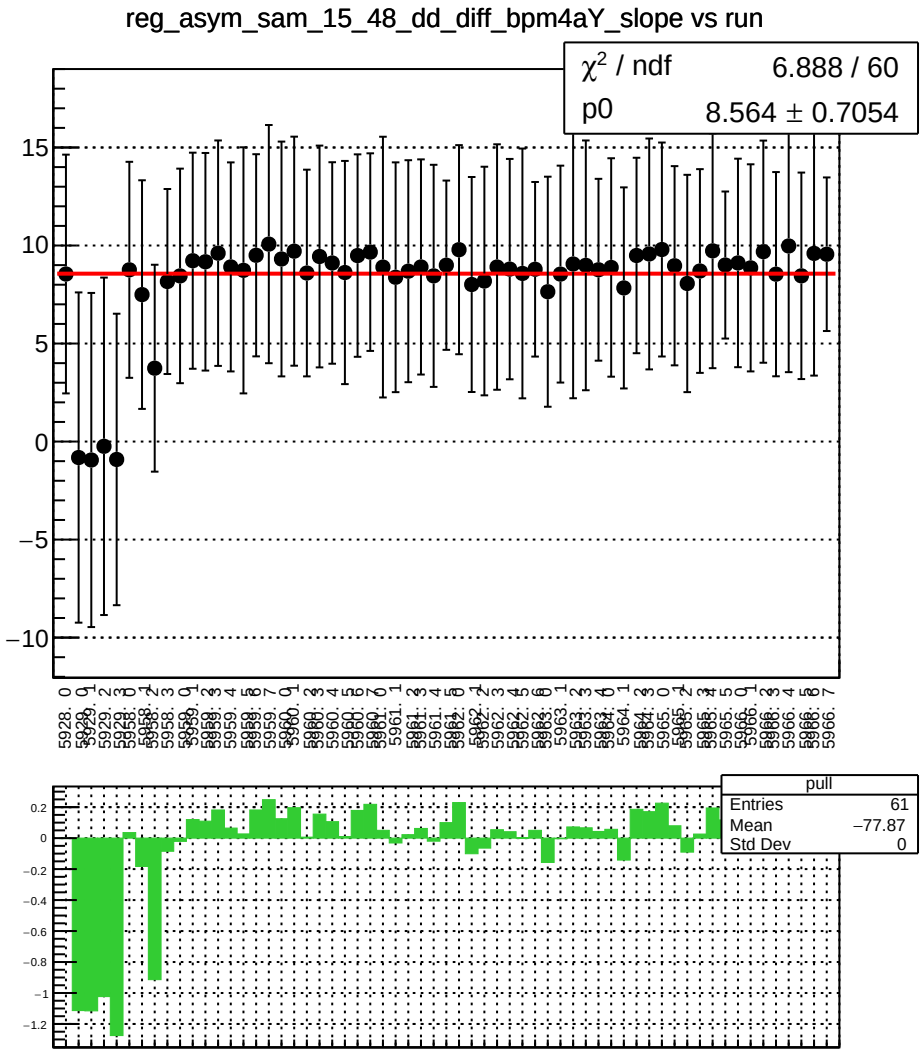

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.024 / 60
p0 −29.84 ± 1.486
pull
Entries 61
Mean −13.4
Std Dev 3.626

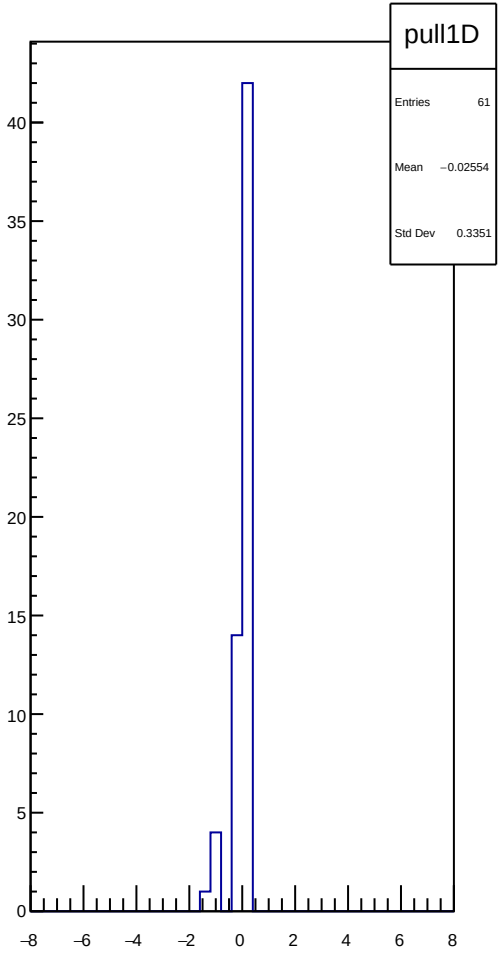

pull1D
Entries 61
Mean 0.01911
Std Dev 0.3622

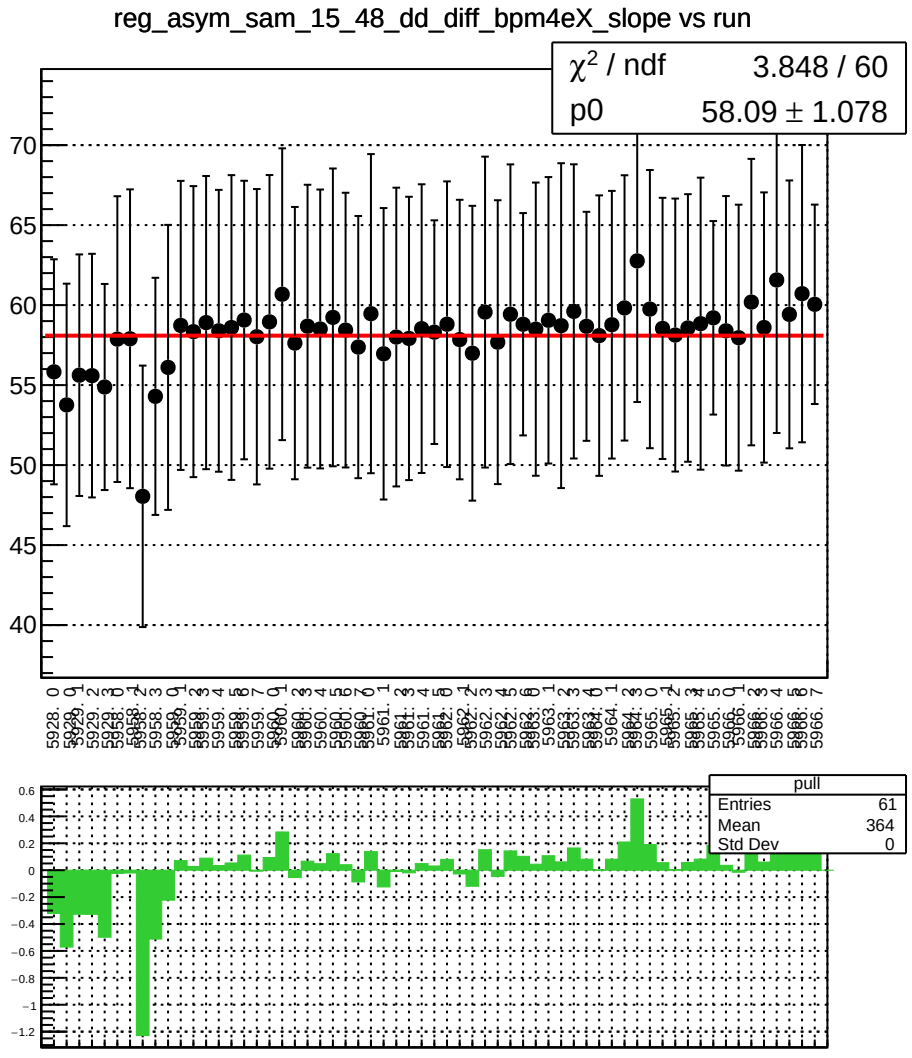

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.332 / 60
p0 −0.1075 ± 0.141
pull
Entries 61
Mean 390.8
Std Dev 0

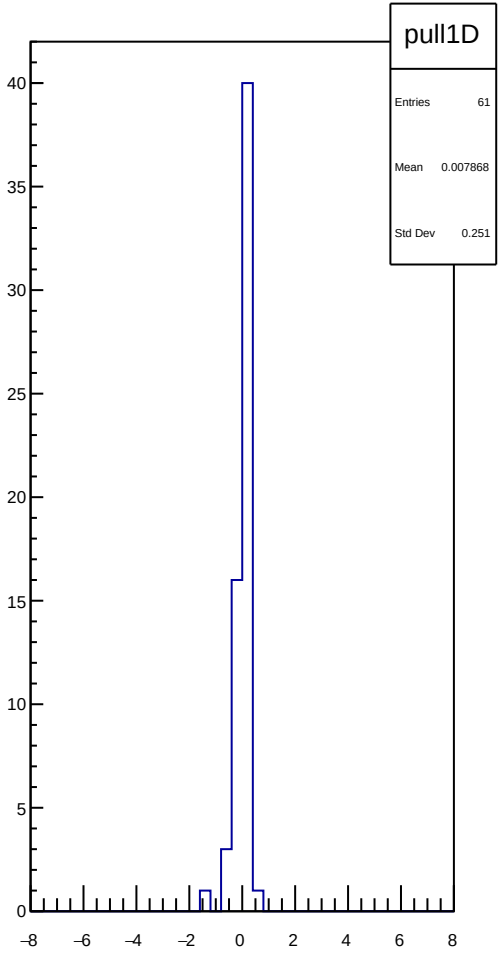

pull1D
Entries 61
Mean 0.001365
Std Dev 0.1477

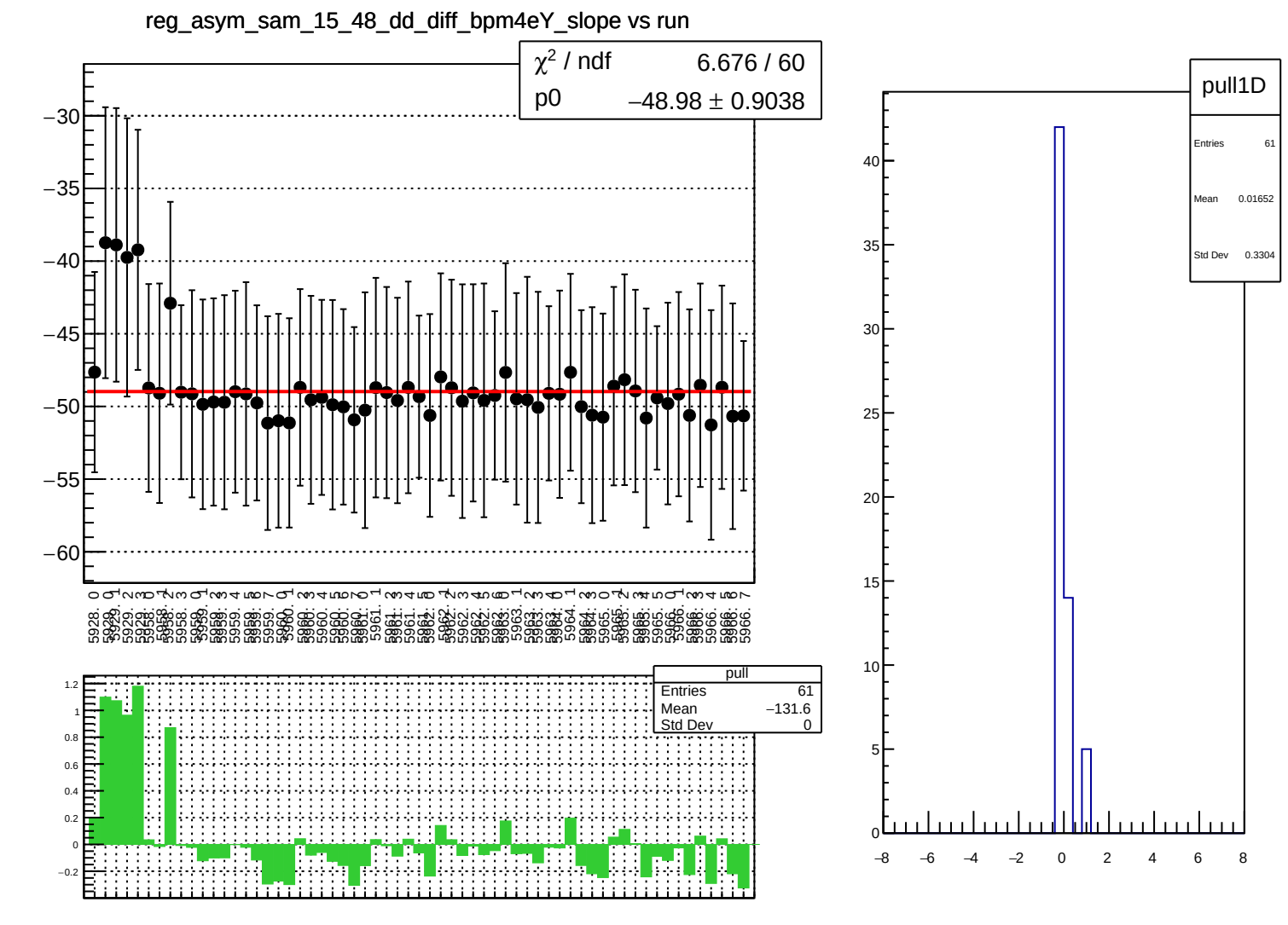

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.905 / 60
p0 2.573 ± 1.024
pull
Entries 61
Mean 29.98
Std Dev 0
pull1D
Entries 61
Mean 0.02929
Std Dev 0.2821

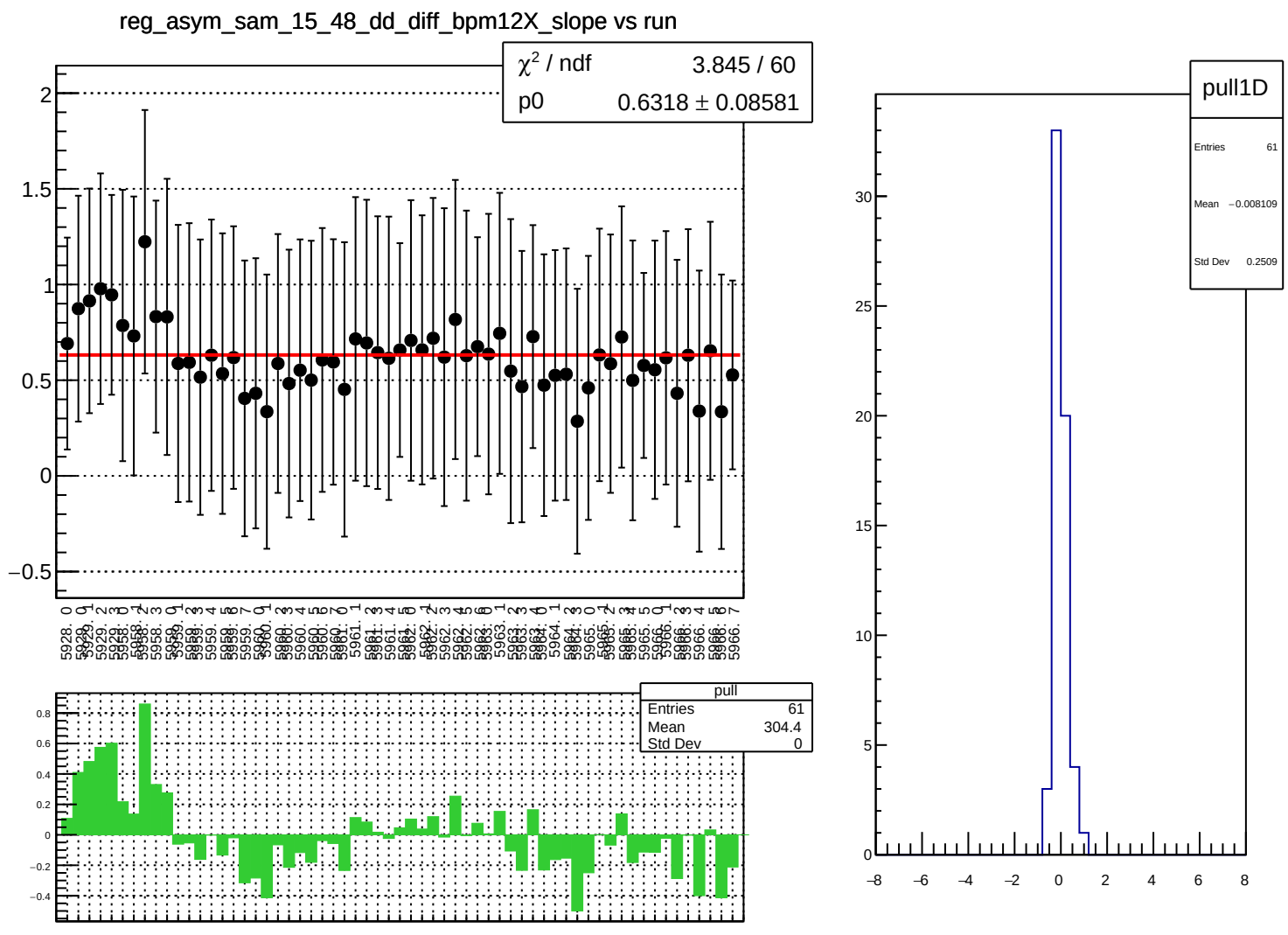

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.888 / 60
p0 8.564 ± 0.7054
pull
Entries 61
Mean −77.87
Std Dev 0

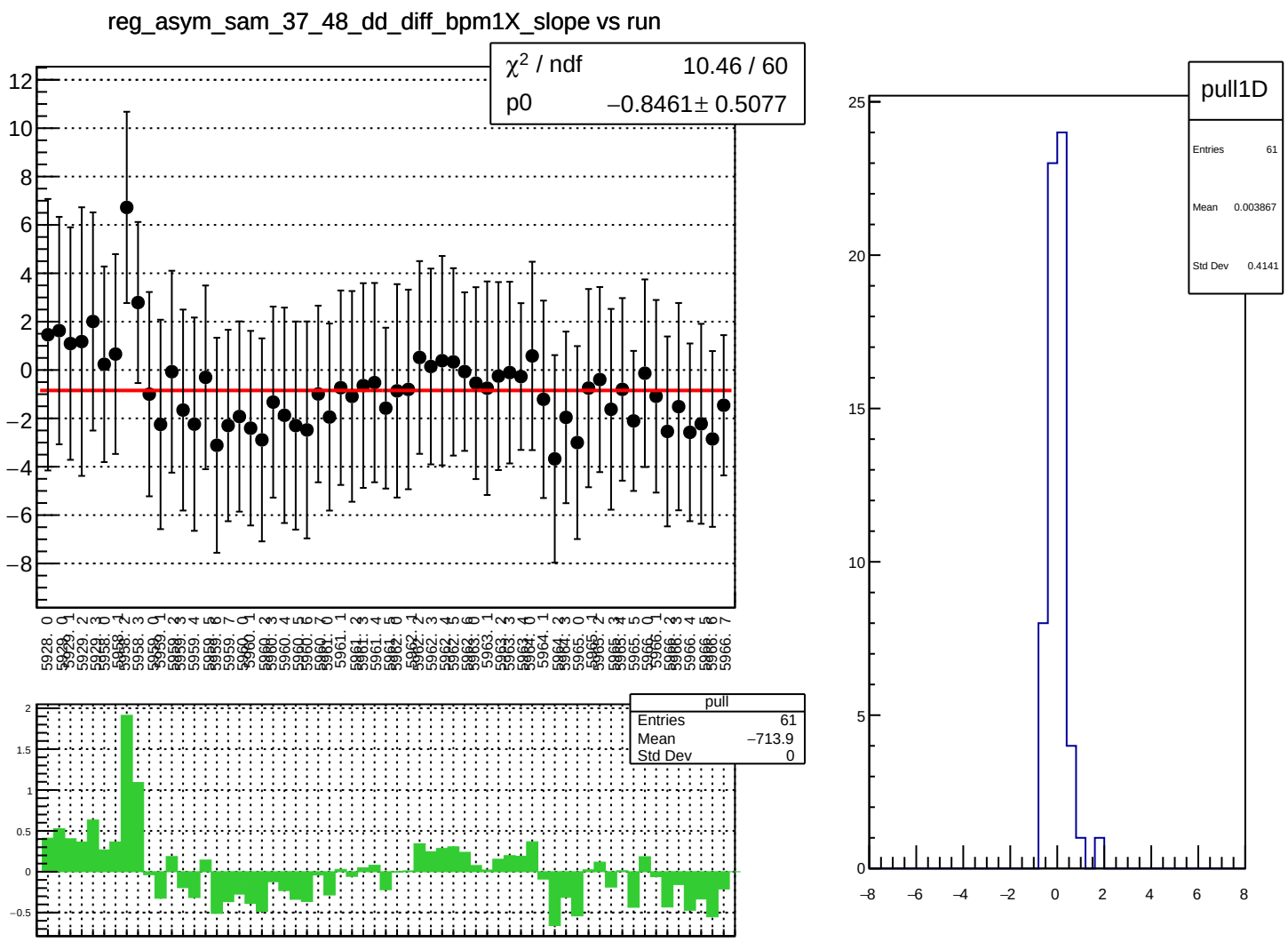

pull1D
Entries 61
Mean −0.02554
Std Dev 0.3351

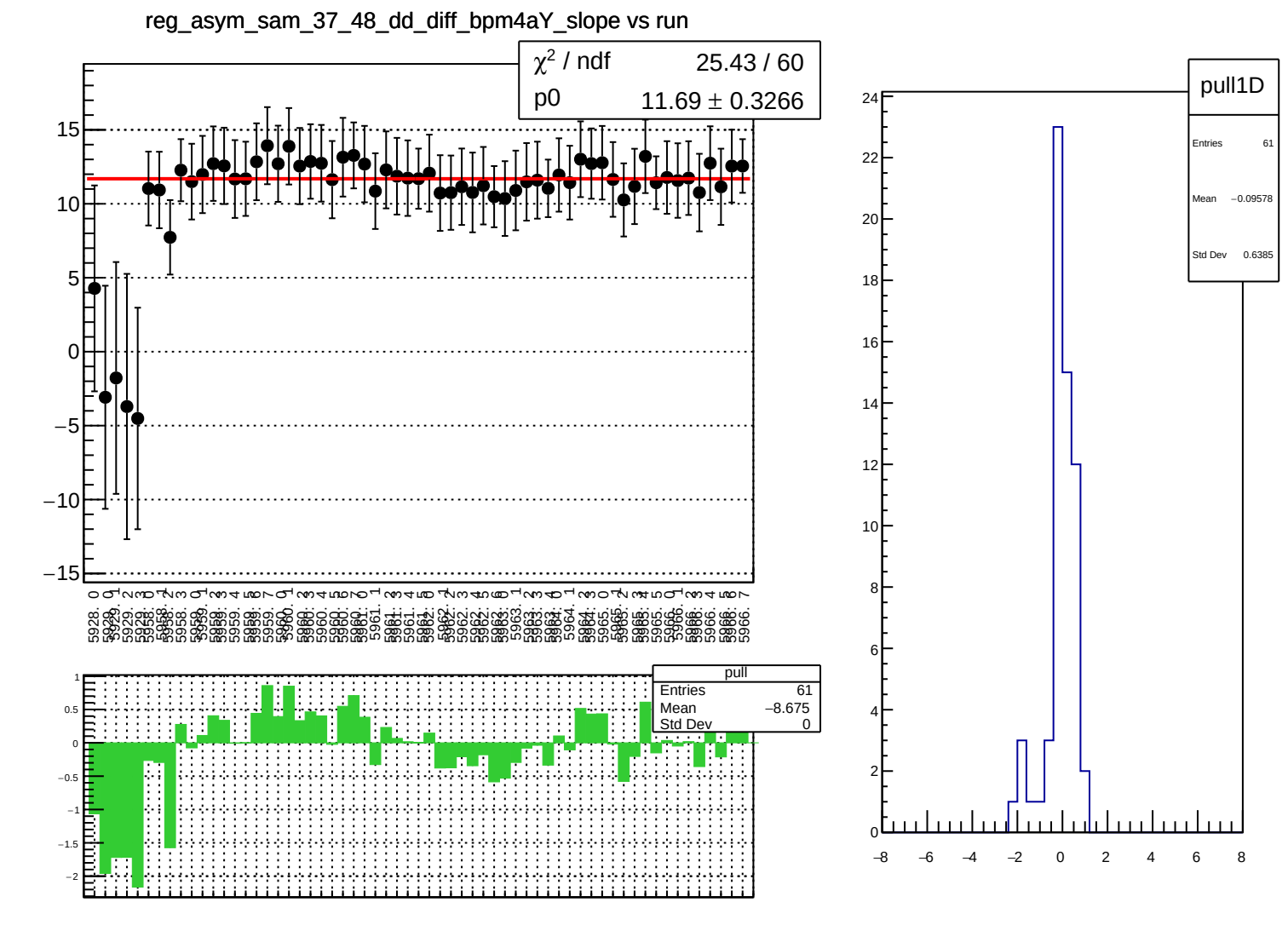

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.848 / 60
p0 58.09 ± 1.078
pull
Entries 61
Mean 364
Std Dev 0

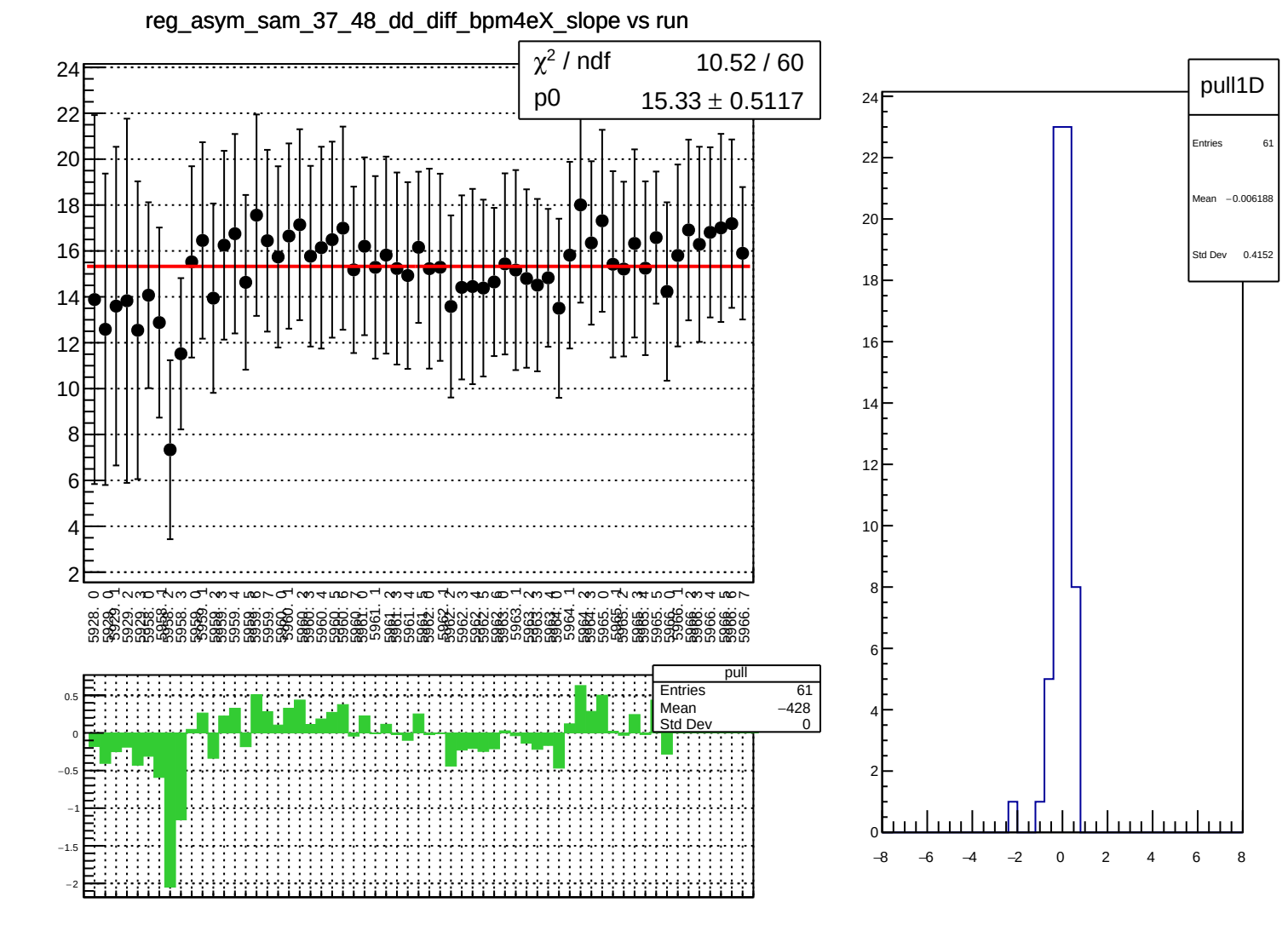

pull1D
Entries 61
Mean 0.007868
Std Dev 0.251

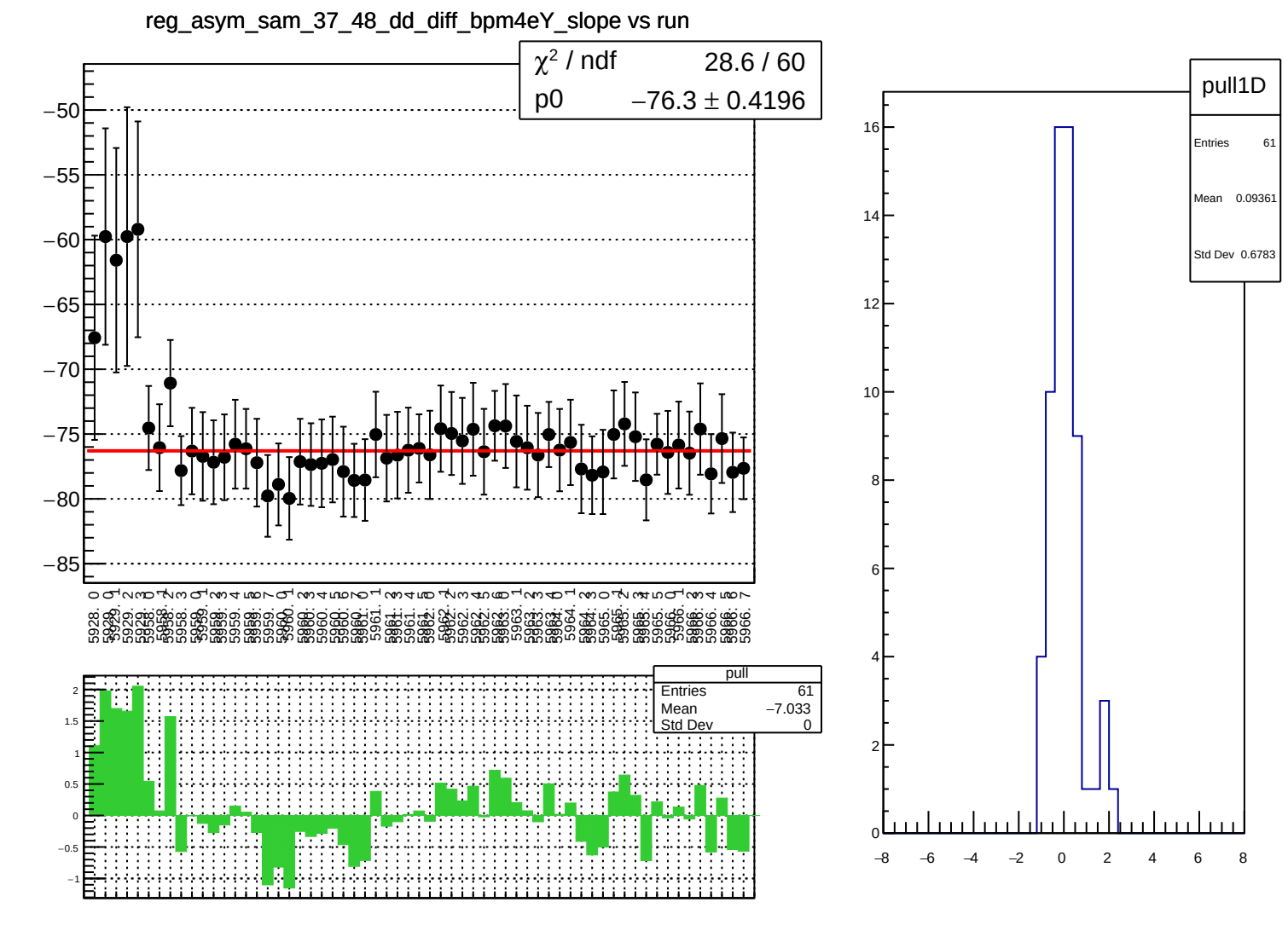

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.676 / 60
p0 −48.98 ± 0.9038
pull
Entries 61
Mean −131.6
Std Dev 0
pull1D
Entries 61
Mean 0.01652
Std Dev 0.3304

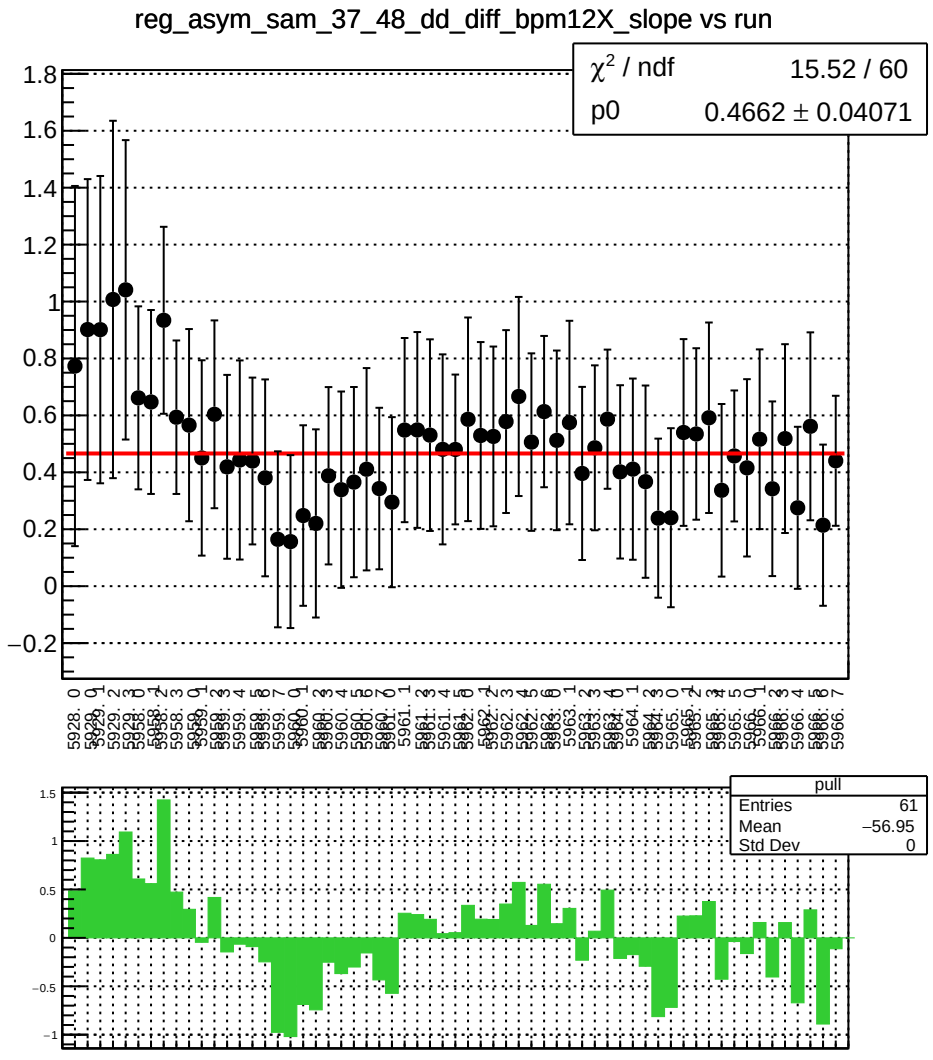

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.845 / 60
p0 0.6318 ± 0.08581
pull
Entries 61
Mean 304.4
Std Dev 0
pull1D
Entries 61
Mean −0.008109
Std Dev 0.2509

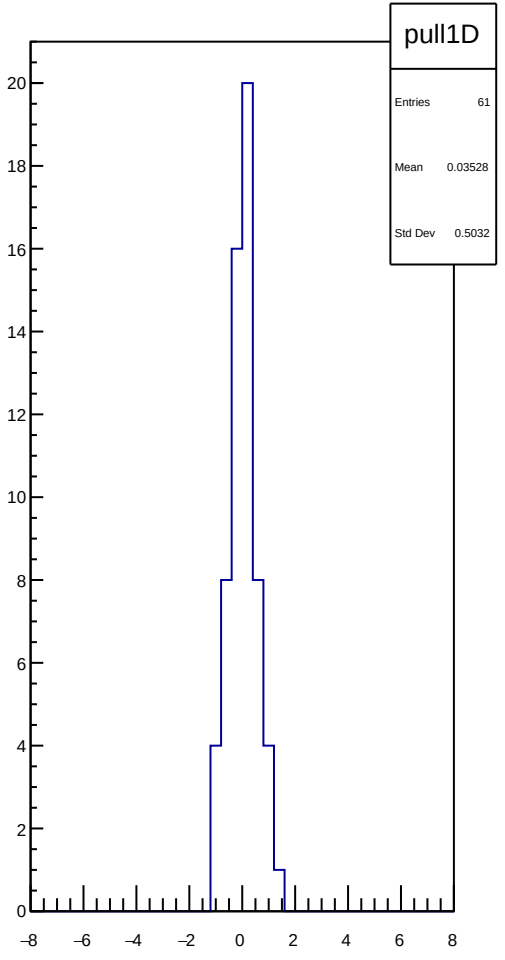

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 10.46 / 60
p0 −0.8461± 0.5077
pull
Entries 61
Mean −713.9
Std Dev 0
pull1D
Entries 61
Mean 0.003867
Std Dev 0.4141

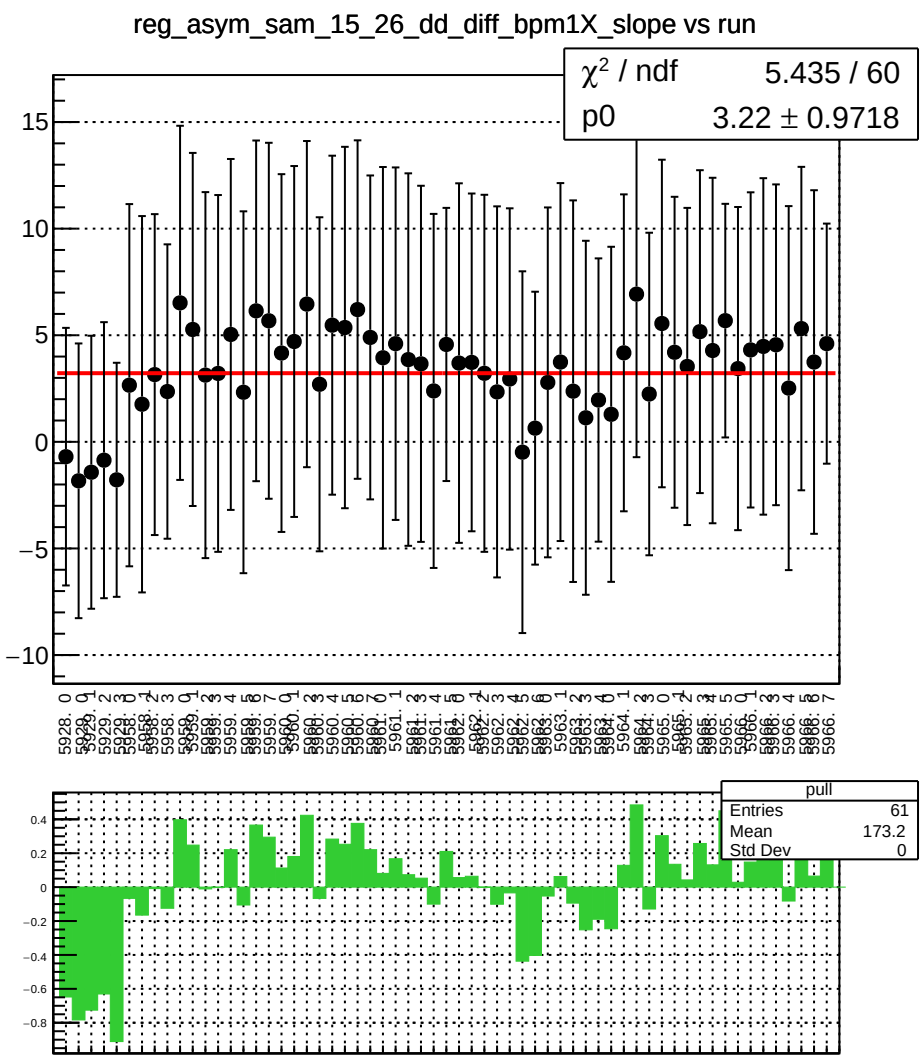

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.43 / 60
p0 11.69 ± 0.3266
pull
Entries 61
Mean −8.675
Std Dev 0
pull1D
Entries 61
Mean −0.09578
Std Dev 0.6385

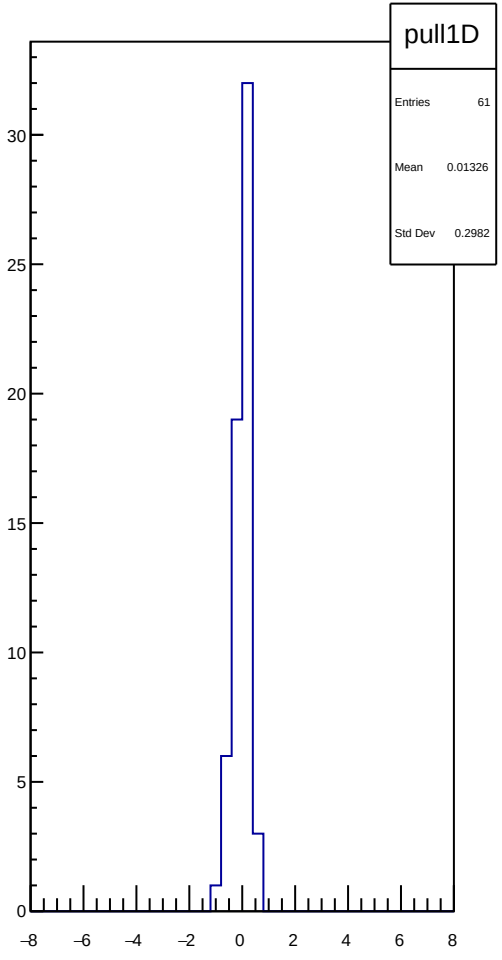

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.52 / 60
p0 15.33 ± 0.5117
pull
Entries 61
Mean −428
Std Dev 0
pull1D
Entries 61
Mean −0.006188
Std Dev 0.4152

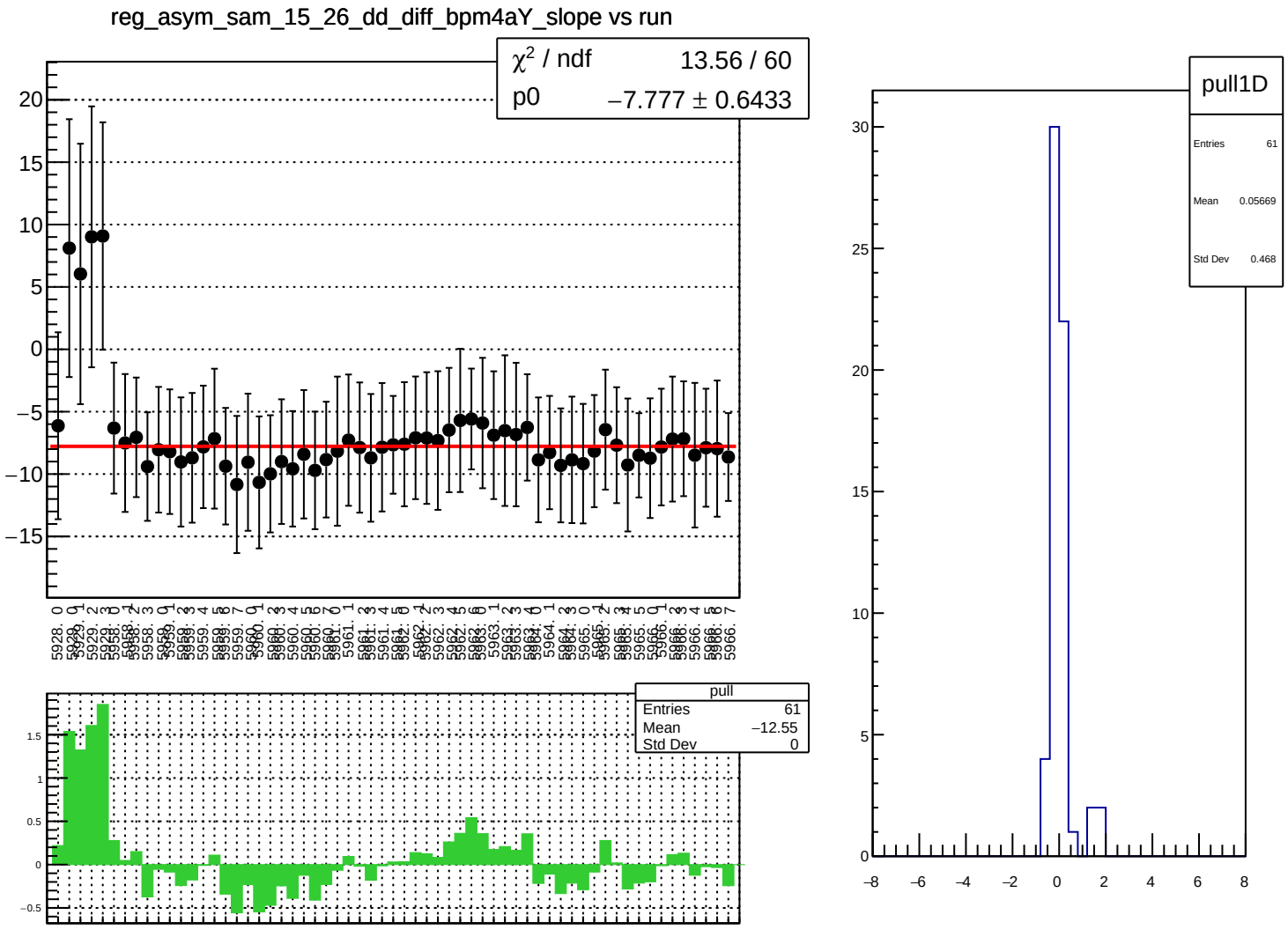

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.6 / 60
p0 −76.3 ± 0.4196
pull
Entries 61
Mean −7.033
Std Dev 0
pull1D
Entries 61
Mean 0.09361
Std Dev 0.6783

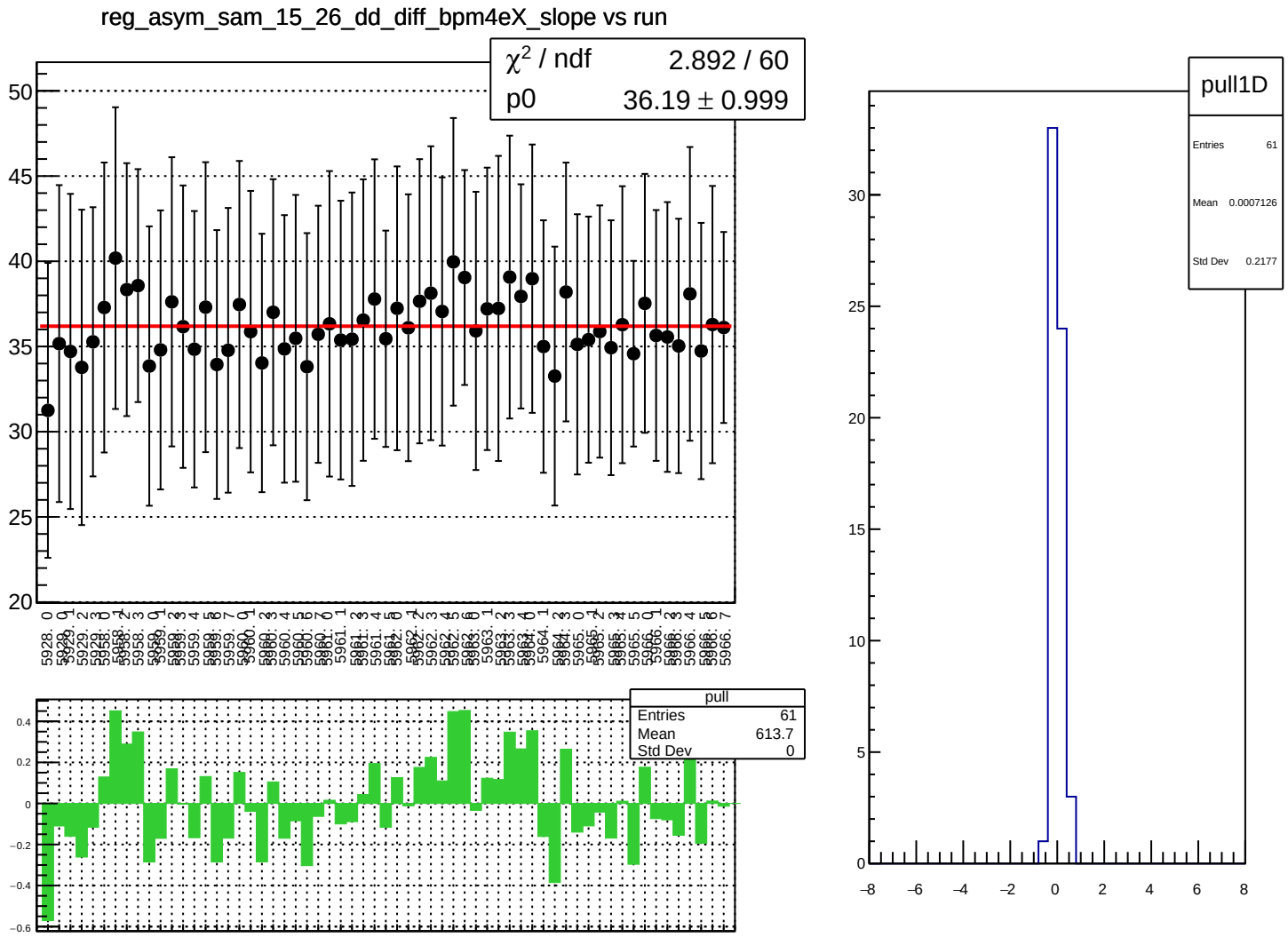

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.52 / 60
p0 0.4662 ± 0.04071
pull
Entries 61
Mean −56.95
Std Dev 0

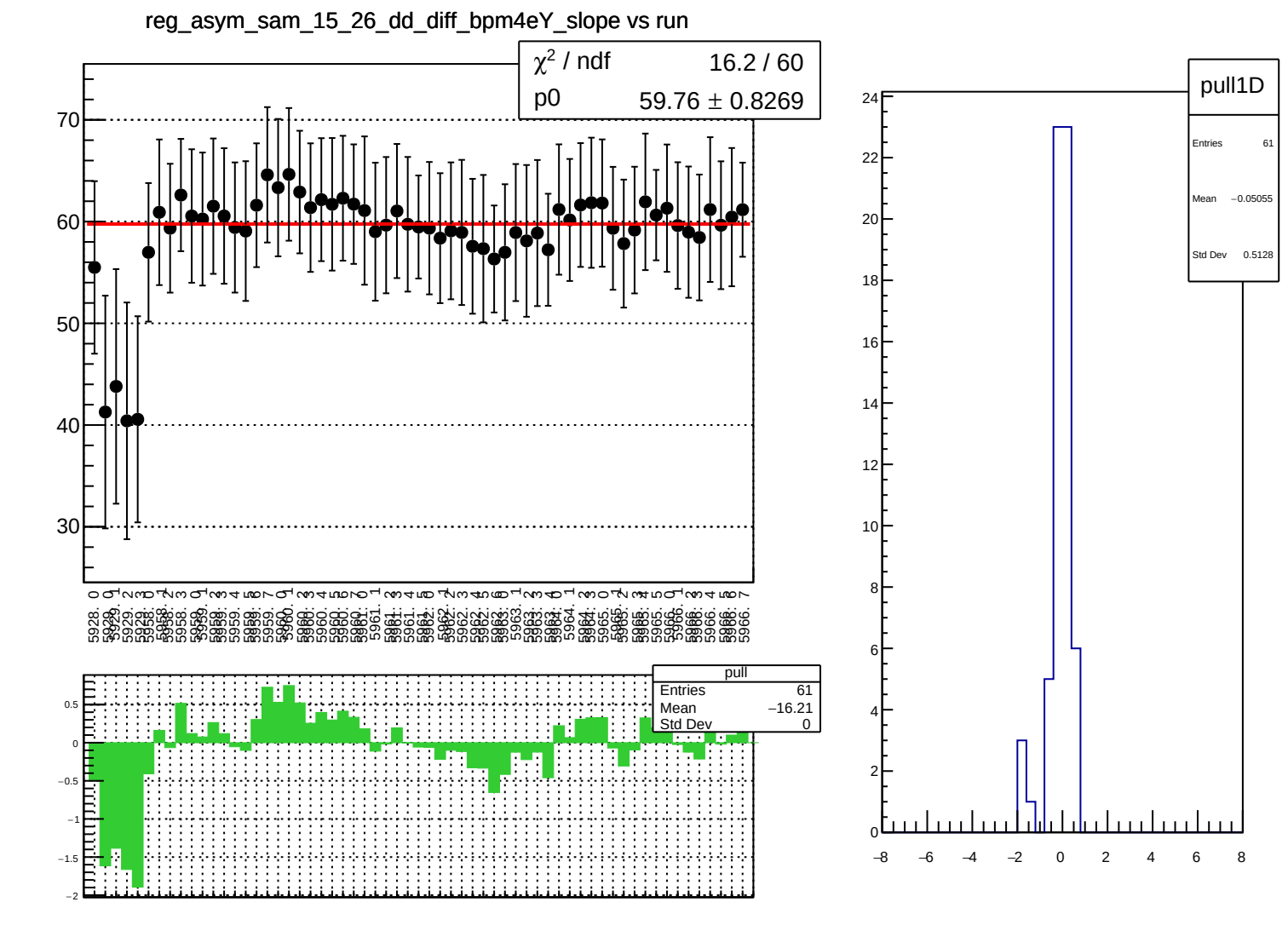

pull1D
Entries 61
Mean 0.03528
Std Dev 0.5032

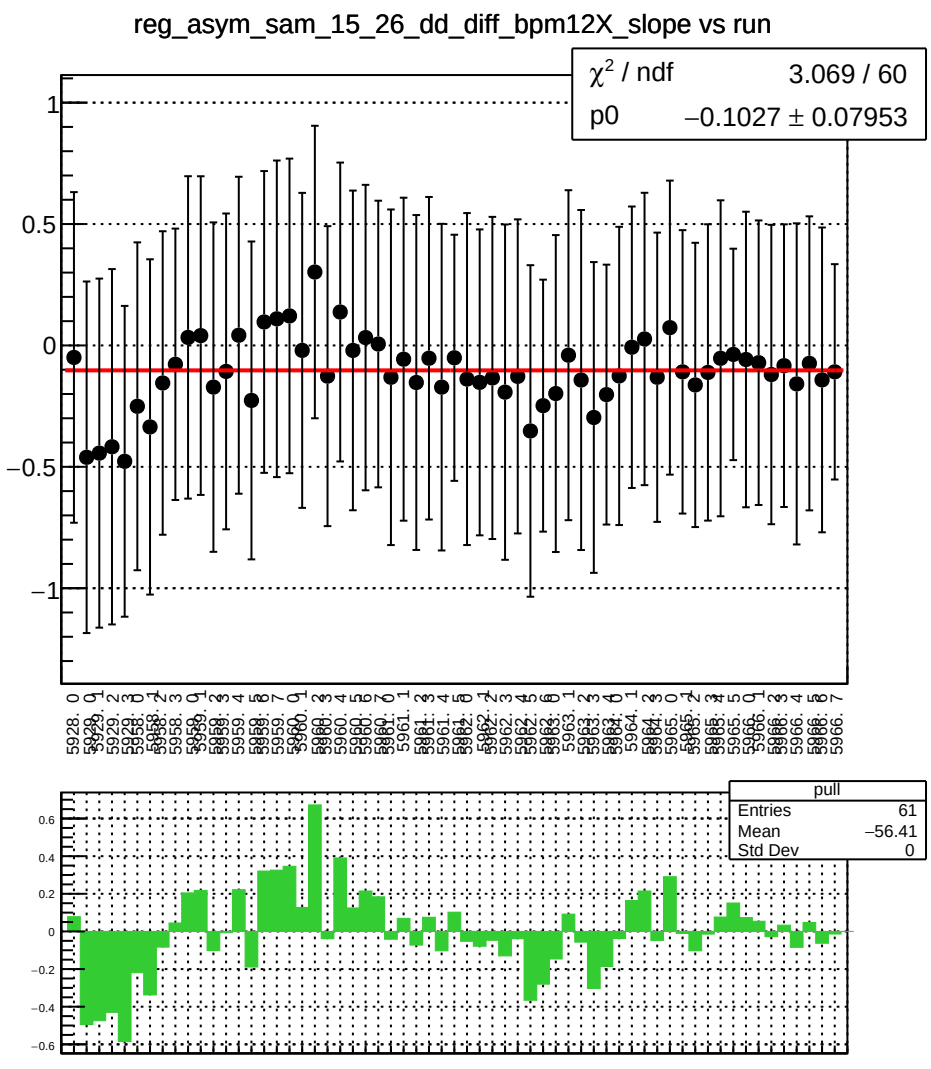

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.435 / 60
p0 3.22 ± 0.9718
pull
Entries 61
Mean 173.2
Std Dev 0

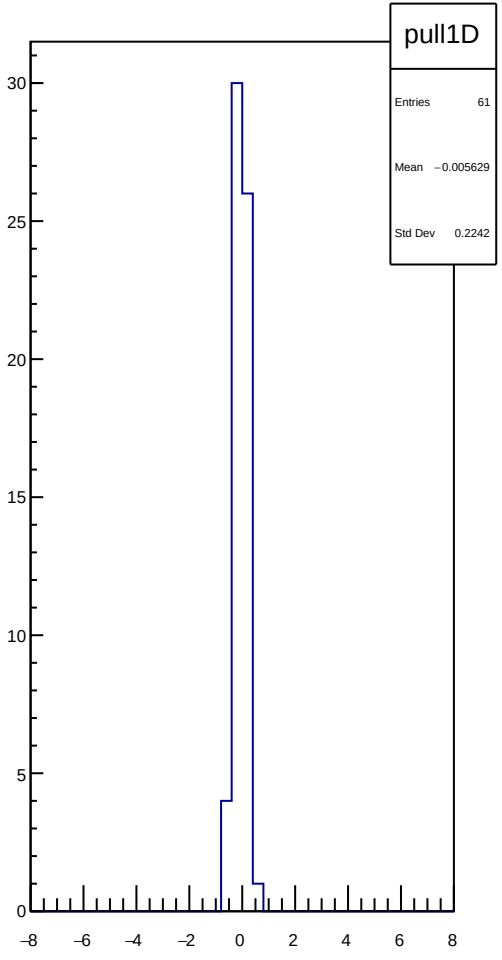

pull1D
Entries 61
Mean 0.01326
Std Dev 0.2982

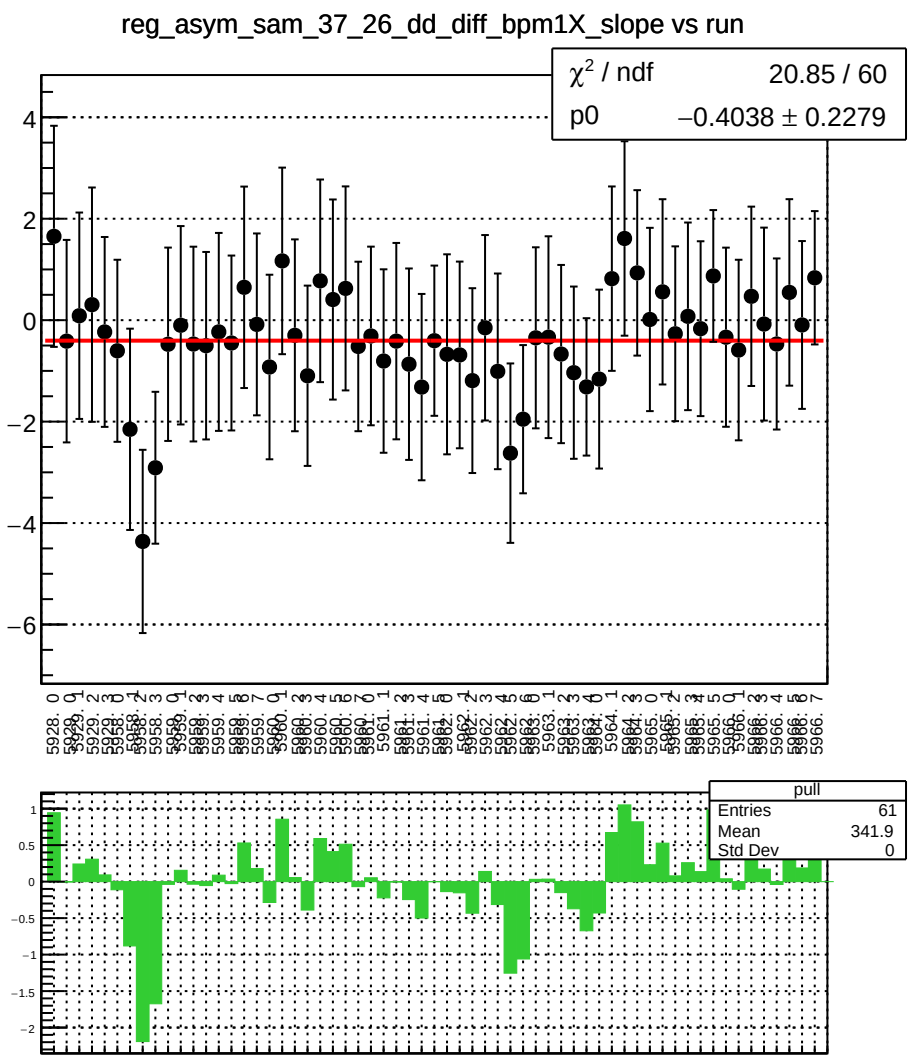

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.56 / 60
p0 −7.777 ± 0.6433
pull
Entries 61
Mean −12.55
Std Dev 0
pull1D
Entries 61
Mean 0.05669
Std Dev 0.468

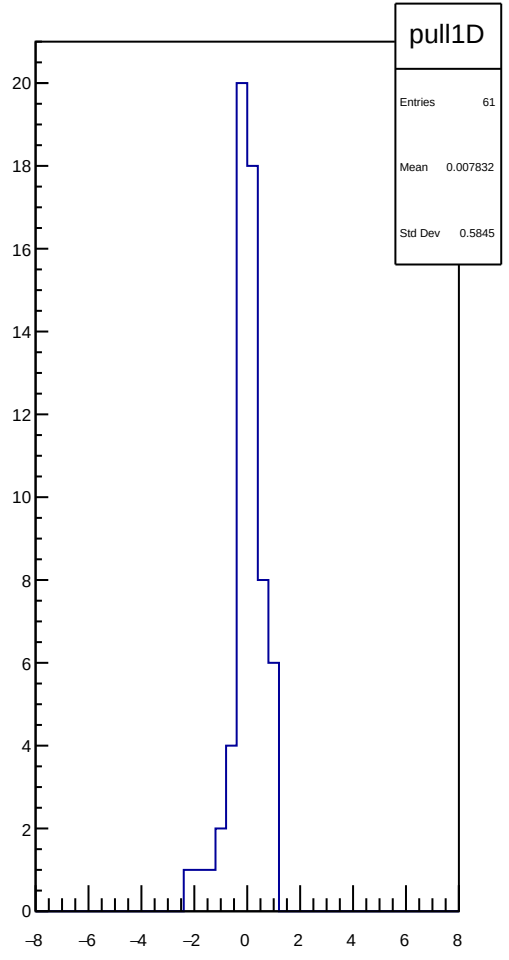

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.892 / 60
p0 36.19 ± 0.999
pull
Entries 61
Mean 613.7
Std Dev 0
pull1D
Entries 61
Mean 0.0007126
Std Dev 0.2177

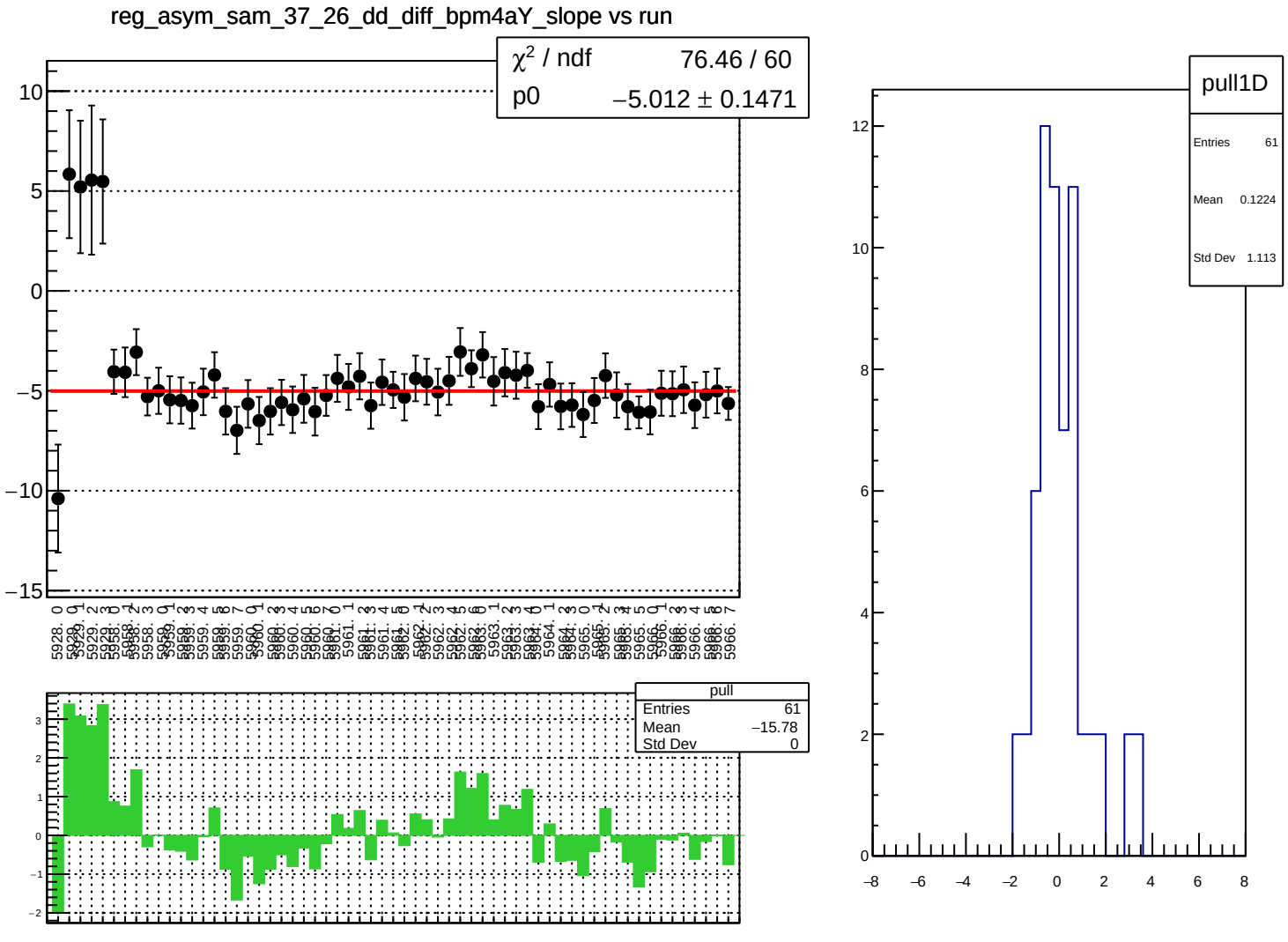

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.2 / 60
p0 59.76 ± 0.8269
pull
Entries 61
Mean −16.21
Std Dev 0
pull1D
Entries 61
Mean −0.05055
Std Dev 0.5128

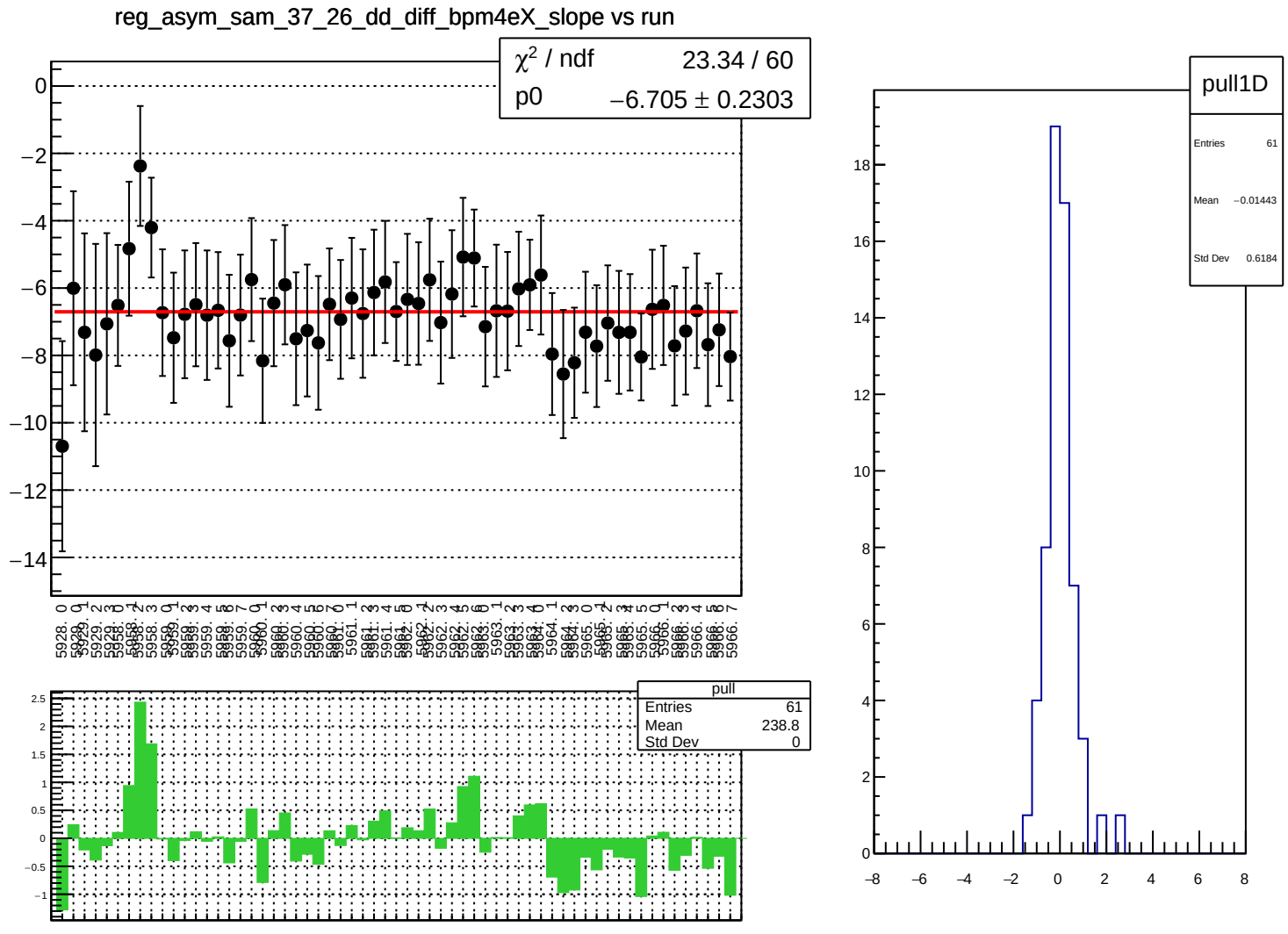

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.069 / 60
p0 −0.1027 ± 0.07953
pull
Entries 61
Mean −56.41
Std Dev 0

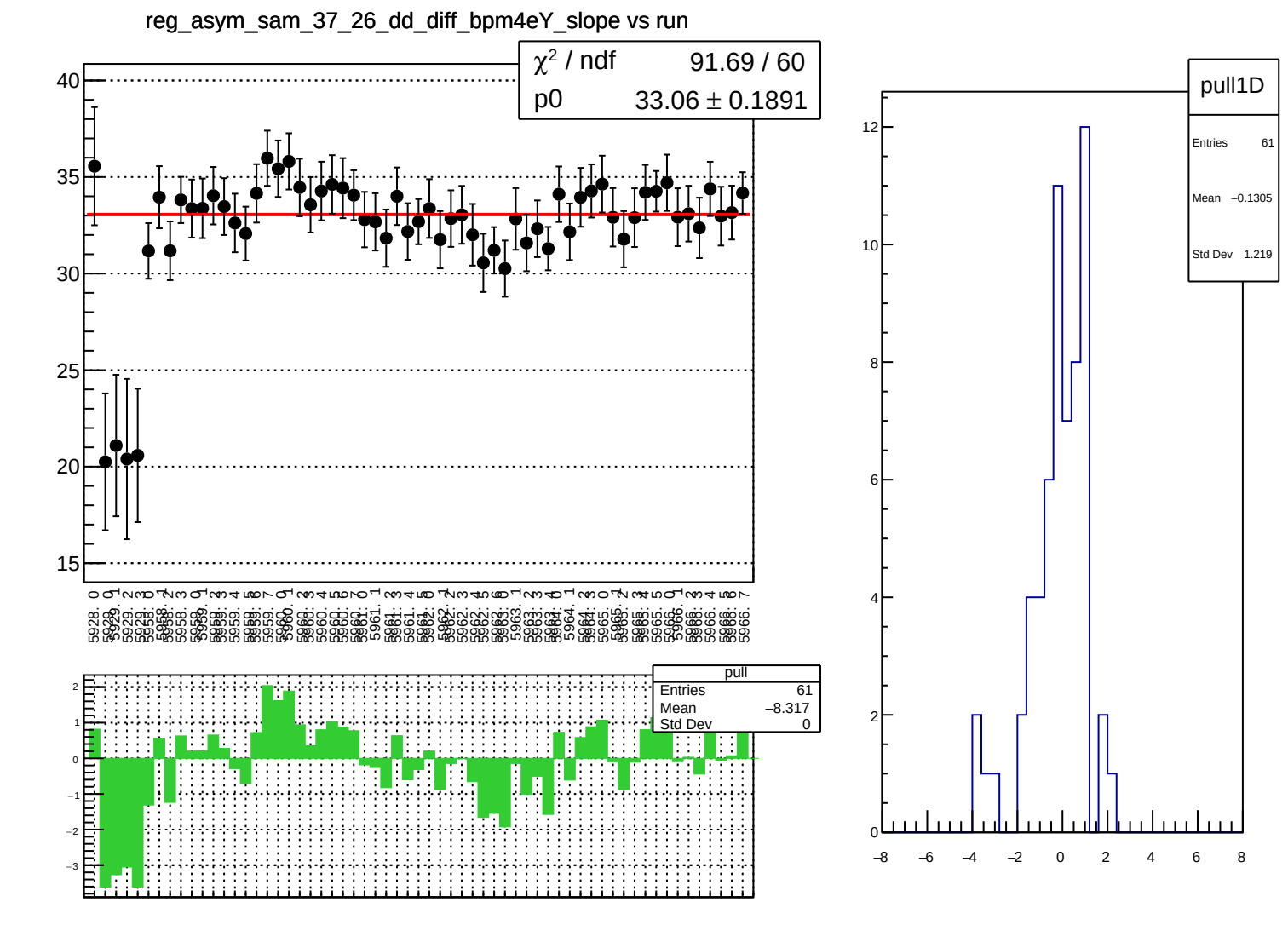

pull1D
Entries 61
Mean −0.005629
Std Dev 0.2242

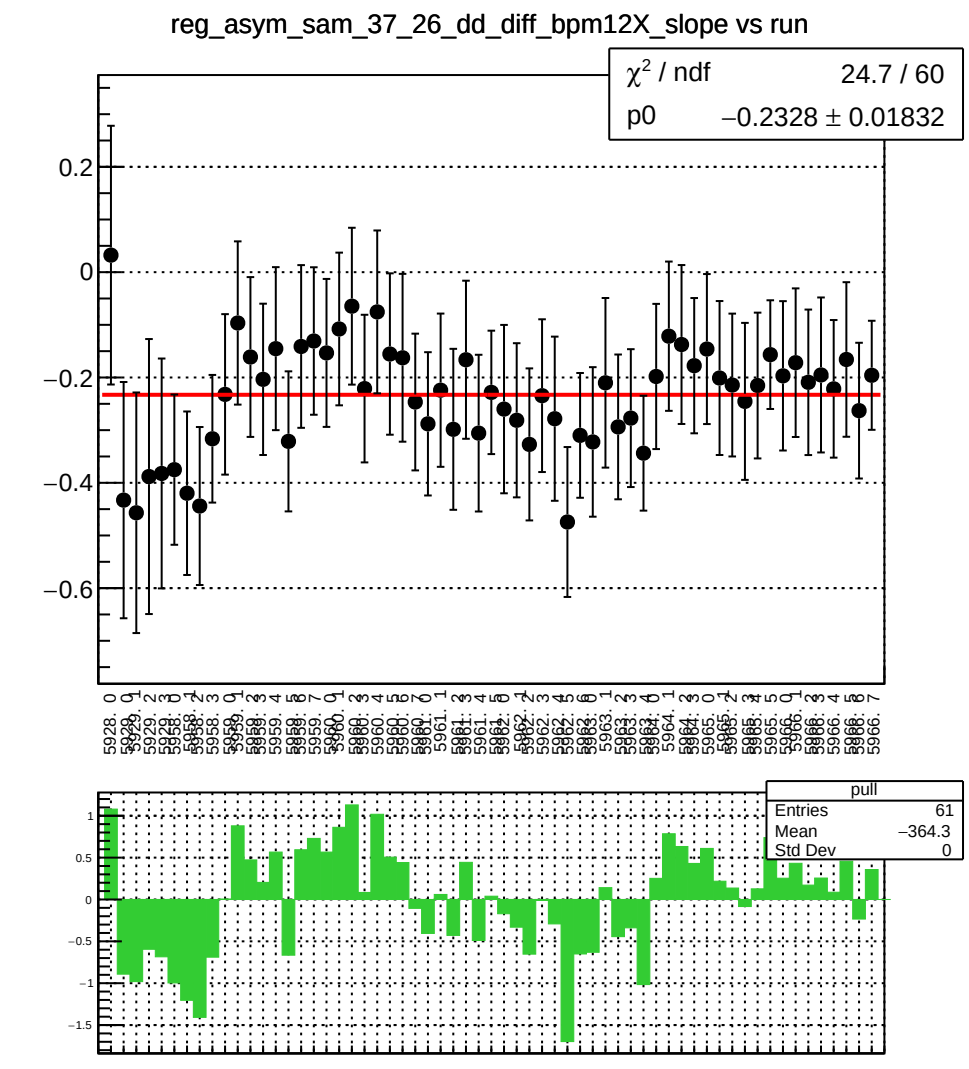

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 20.85 / 60
p0 −0.4038 ± 0.2279
pull
Entries 61
Mean 341.9
Std Dev 0

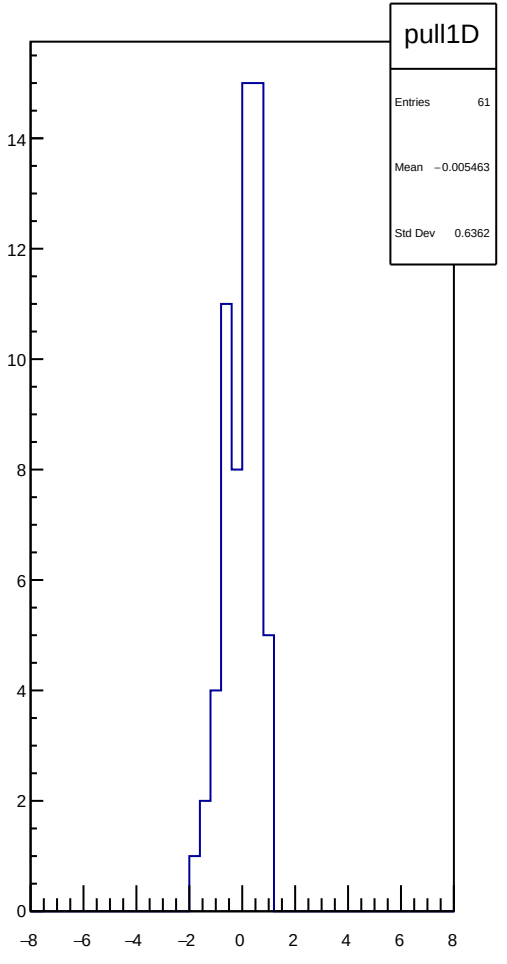

pull1D
Entries 61
Mean 0.007832
Std Dev 0.5845

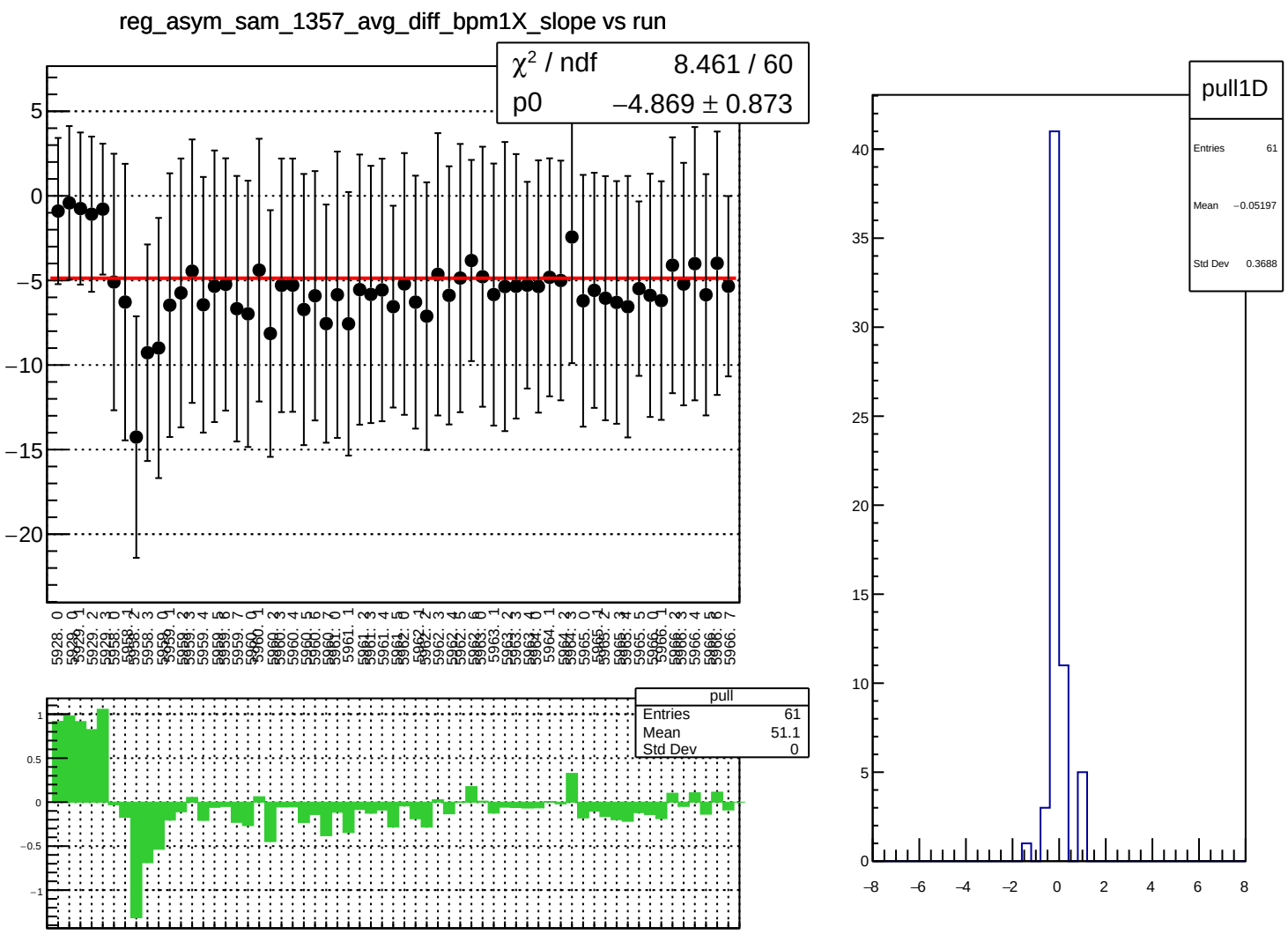

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.46 / 60
p0 −5.012 ± 0.1471
pull
Entries 61
Mean −15.78
Std Dev 0
pull1D
Entries 61
Mean 0.1224
Std Dev 1.113

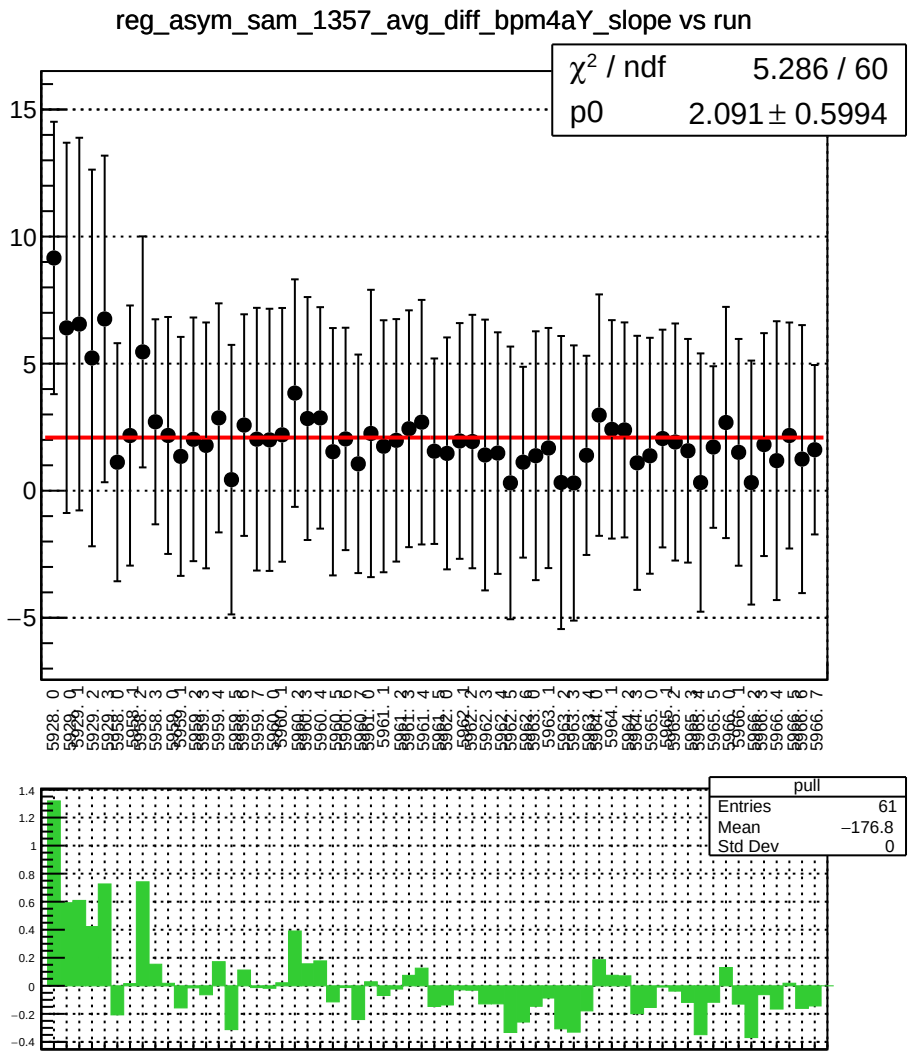

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.34 / 60
p0 −6.705 ± 0.2303
pull
Entries 61
Mean 238.8
Std Dev 0
pull1D
Entries 61
Mean −0.01443
Std Dev 0.6184

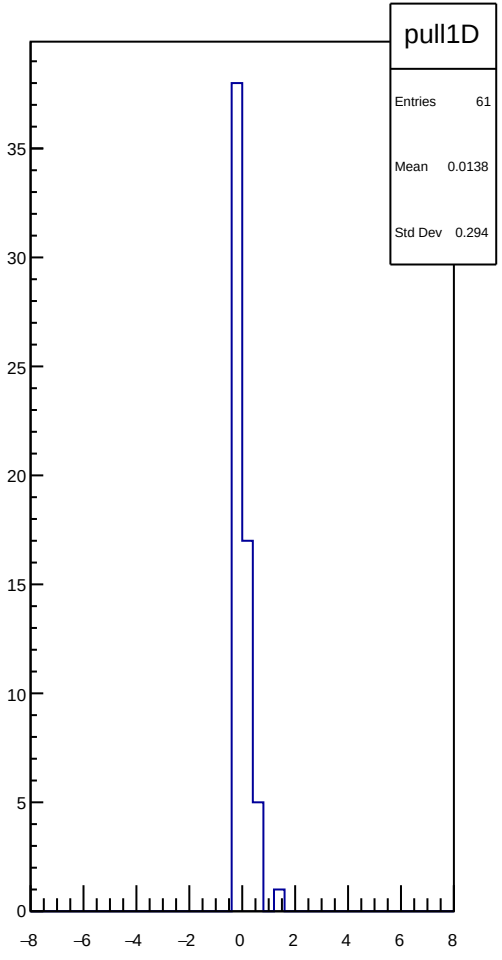

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.69 / 60
p0 33.06 ± 0.1891
pull
Entries 61
Mean −8.317
Std Dev 0
pull1D
Entries 61
Mean −0.1305
Std Dev 1.219

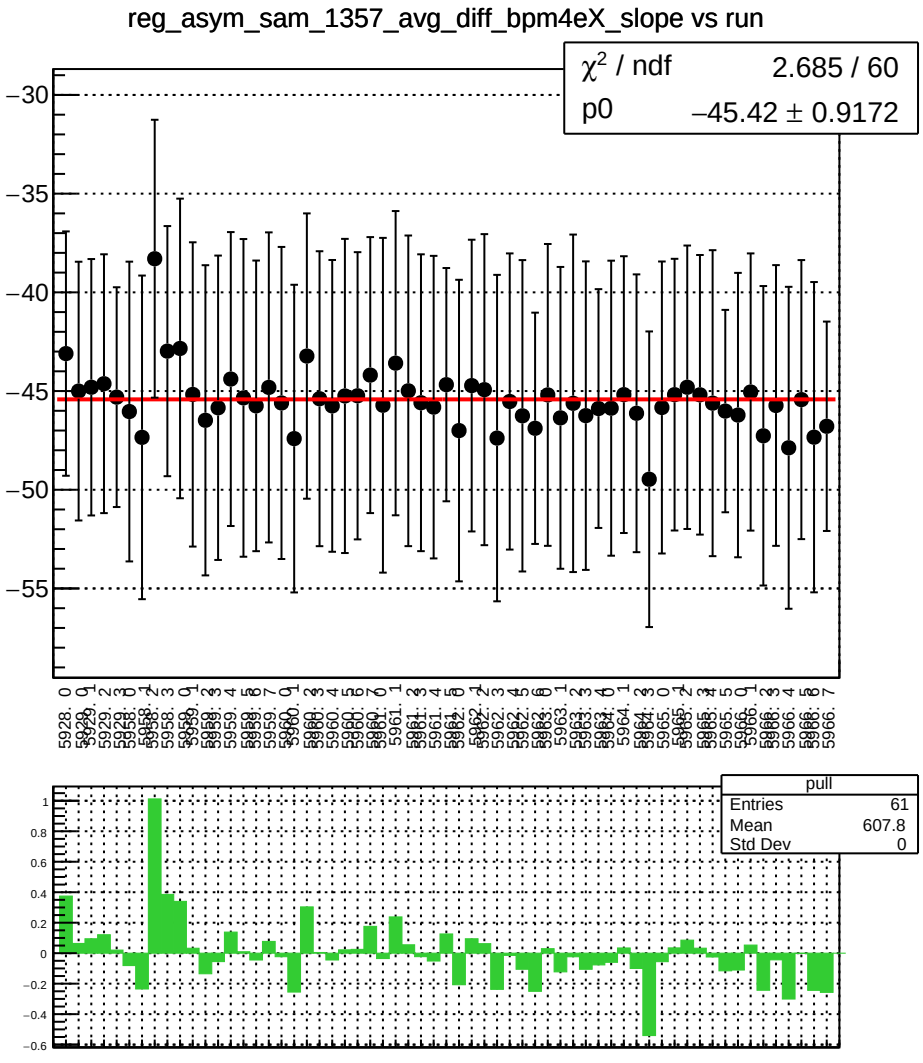

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 24.7 / 60
p0 −0.2328 ± 0.01832
pull
Entries 61
Mean −364.3
Std Dev 0

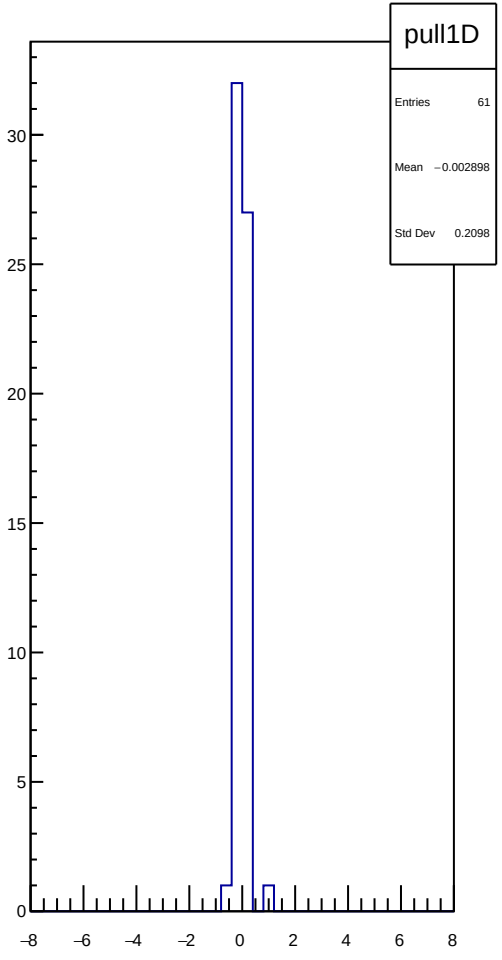

pull1D
Entries 61
Mean −0.005463
Std Dev 0.6362

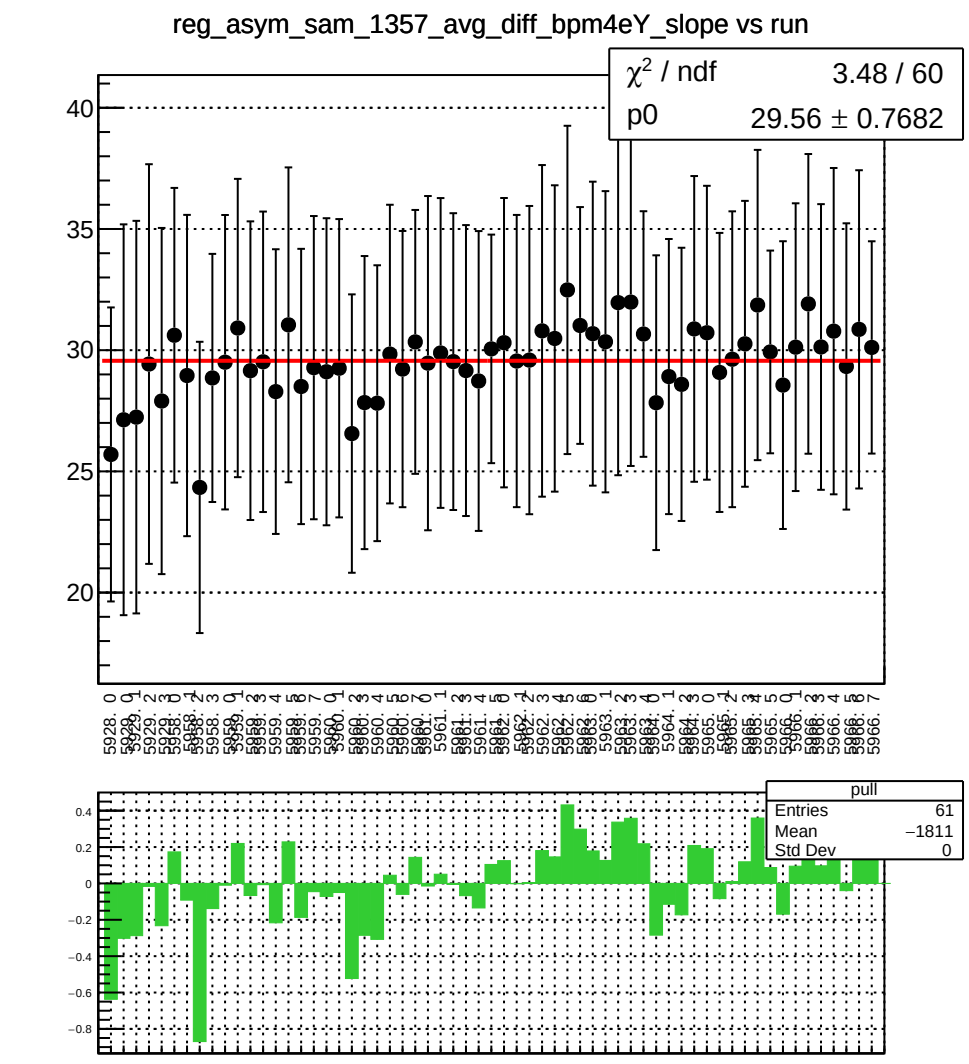

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 8.461 / 60
p0 −4.869 ± 0.873
pull
Entries 61
Mean 51.1
Std Dev 0
pull1D
Entries 61
Mean −0.05197
Std Dev 0.3688

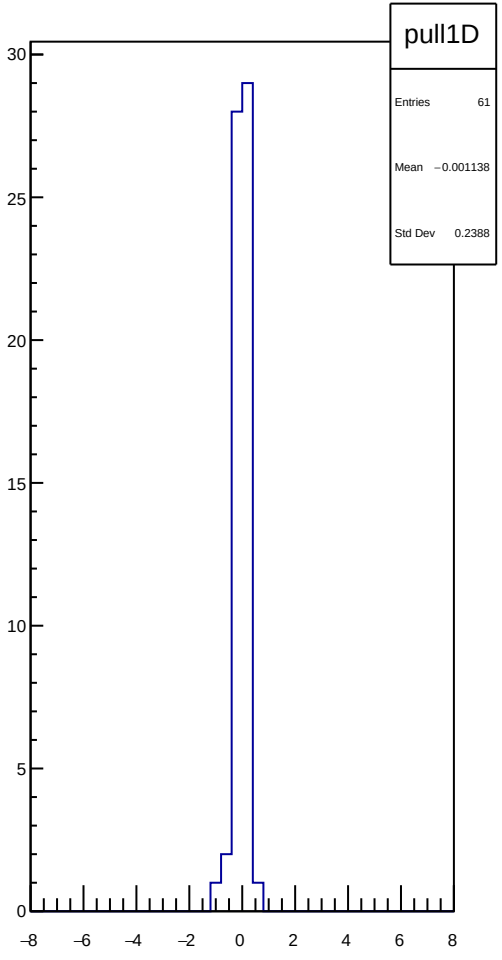

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.286 / 60
p0 2.091 ± 0.5994
pull
Entries 61
Mean −176.8
Std Dev 0

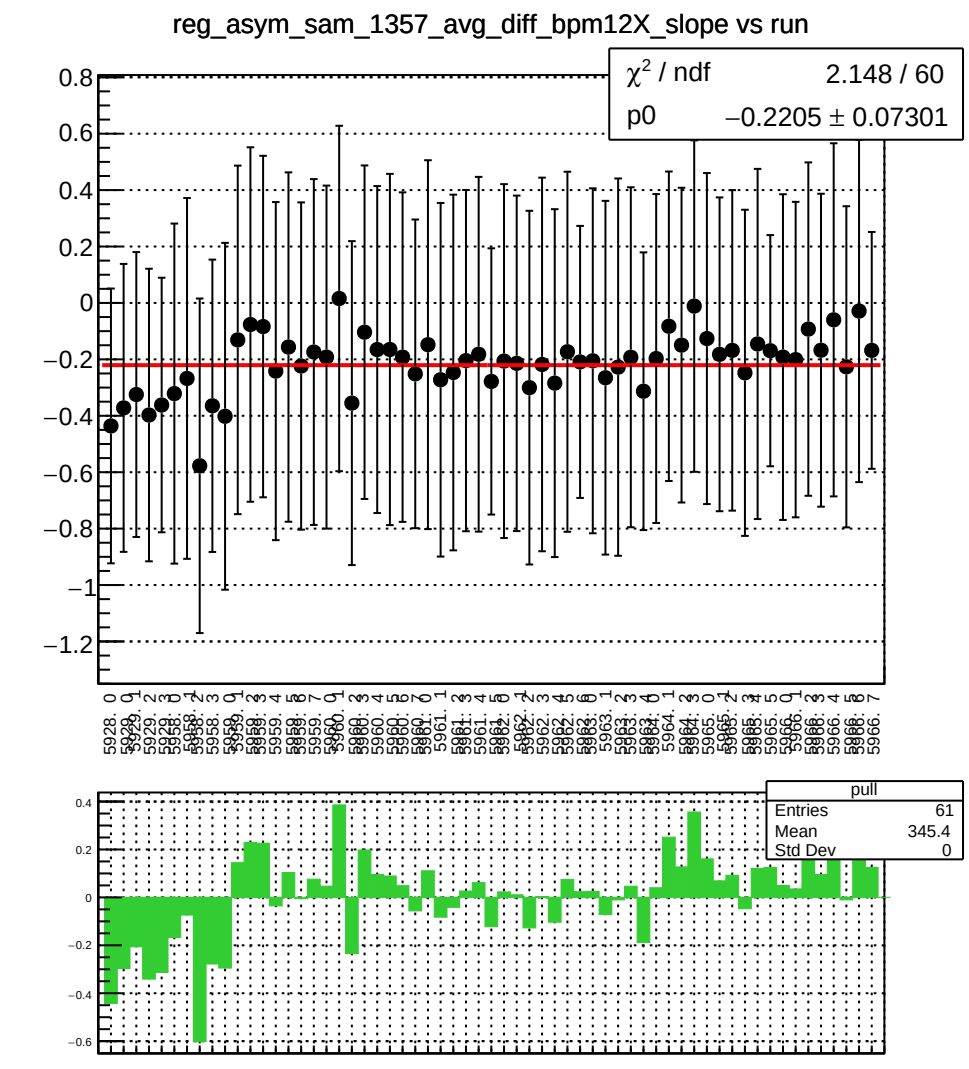

pull1D
Entries 61
Mean 0.0138
Std Dev 0.294

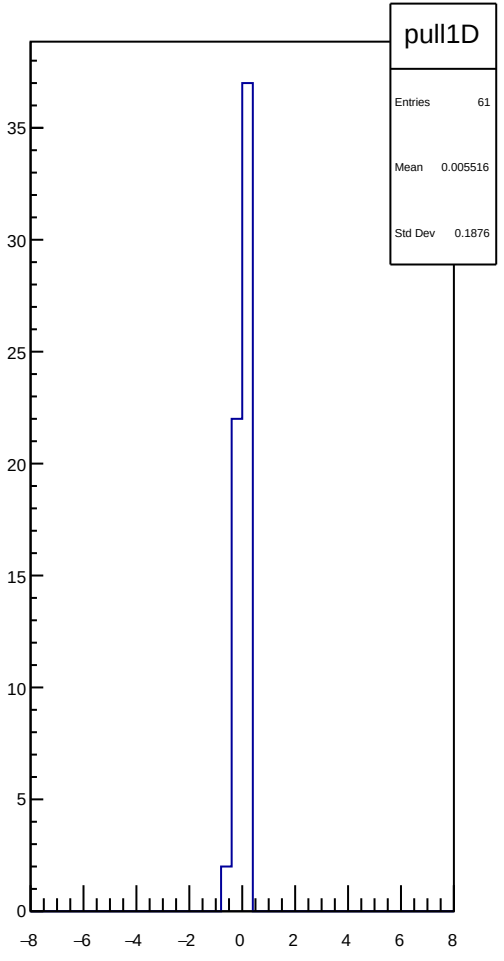

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.685 / 60
p0 −45.42 ± 0.9172
pull
Entries 61
Mean 607.8
Std Dev 0

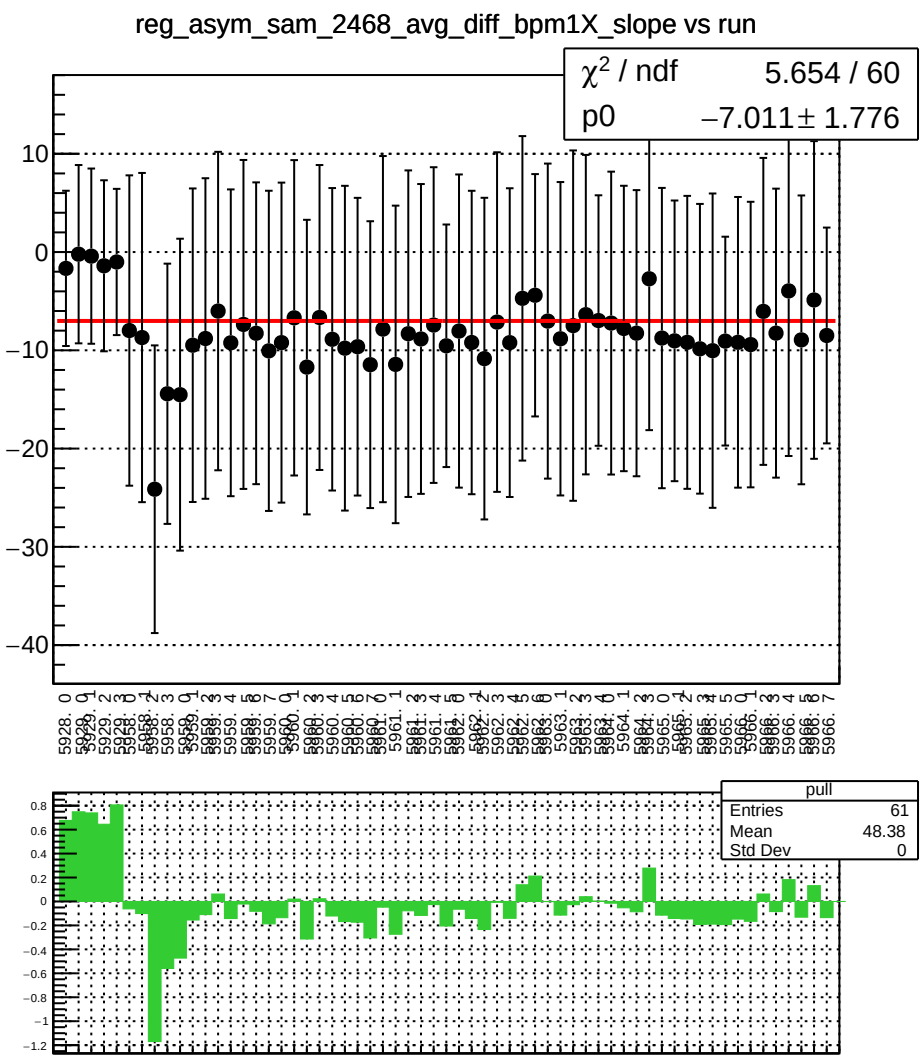

pull1D
Entries 61
Mean −0.002898
Std Dev 0.2098

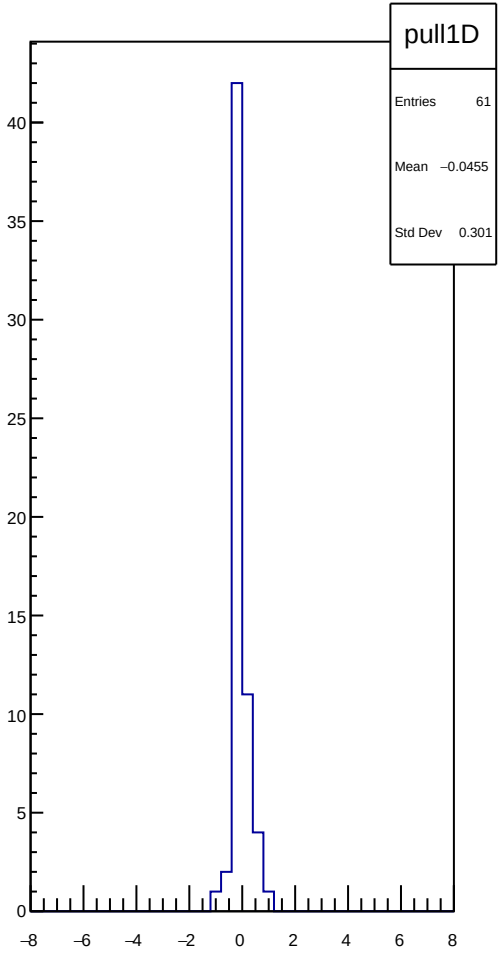

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.48 / 60
p0 29.56 ± 0.7682
pull
Entries 61
Mean −1811
Std Dev 0

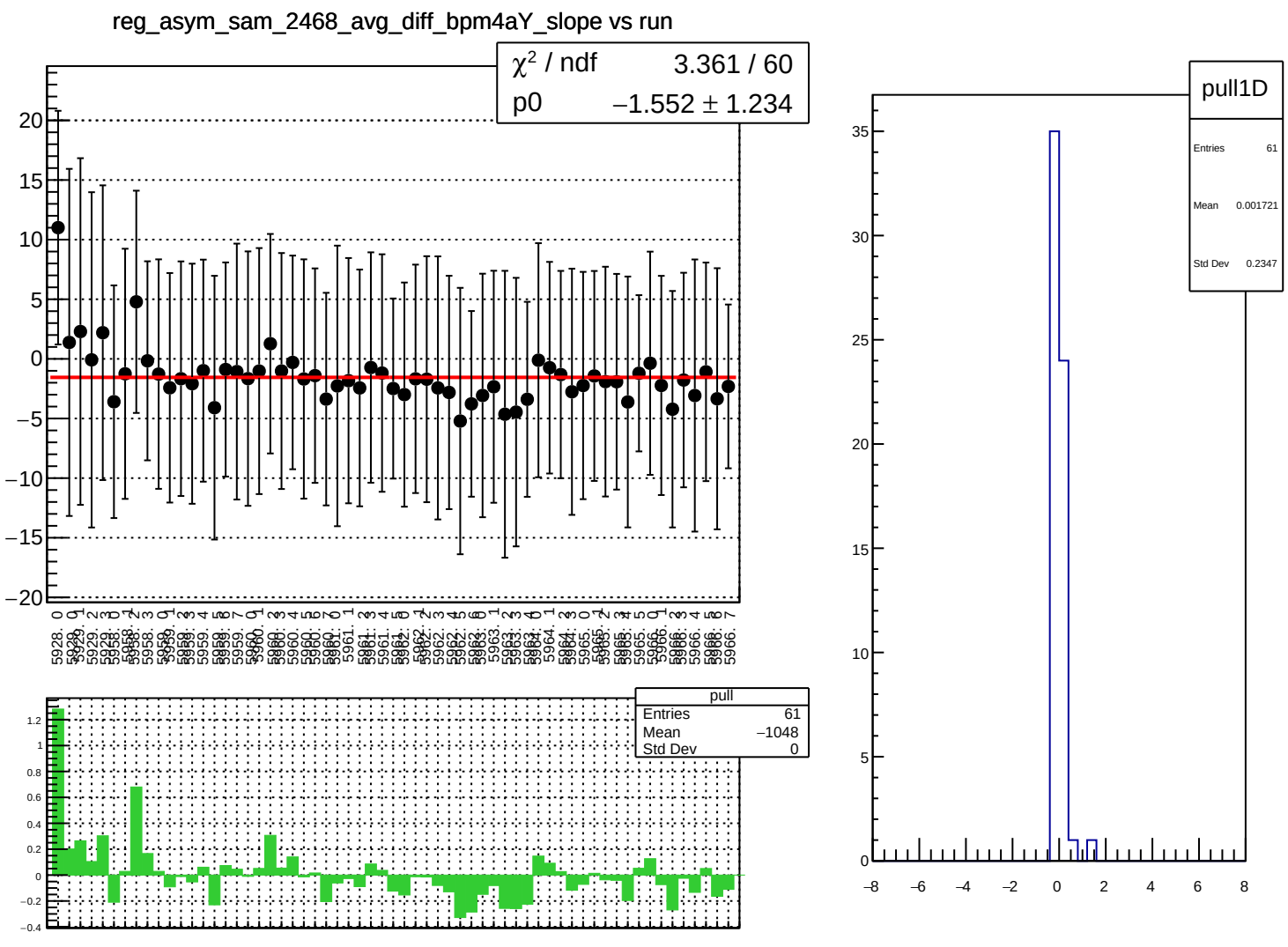

pull1D
Entries 61
Mean −0.001138
Std Dev 0.2388

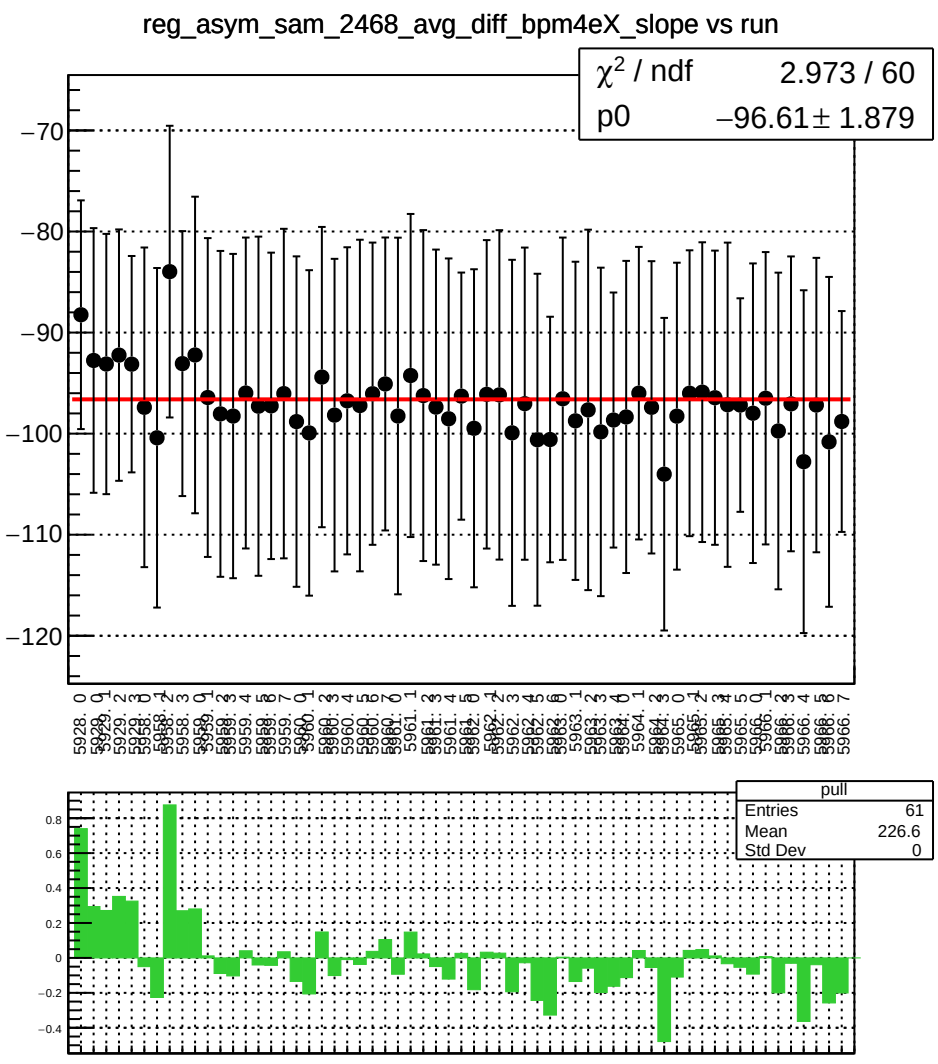

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.148 / 60
p0 −0.2205 ± 0.07301
pull
Entries 61
Mean 345.4
Std Dev 0

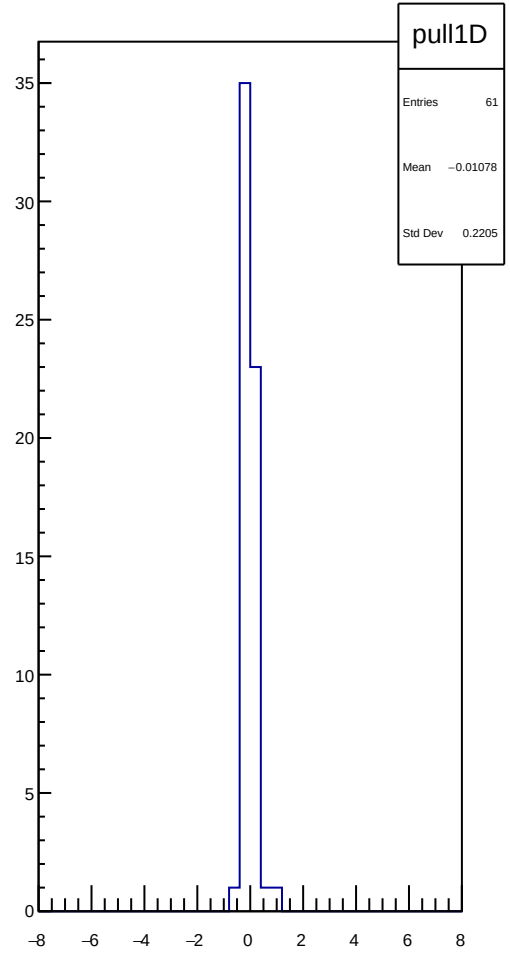

pull1D
Entries 61
Mean 0.005516
Std Dev 0.1876

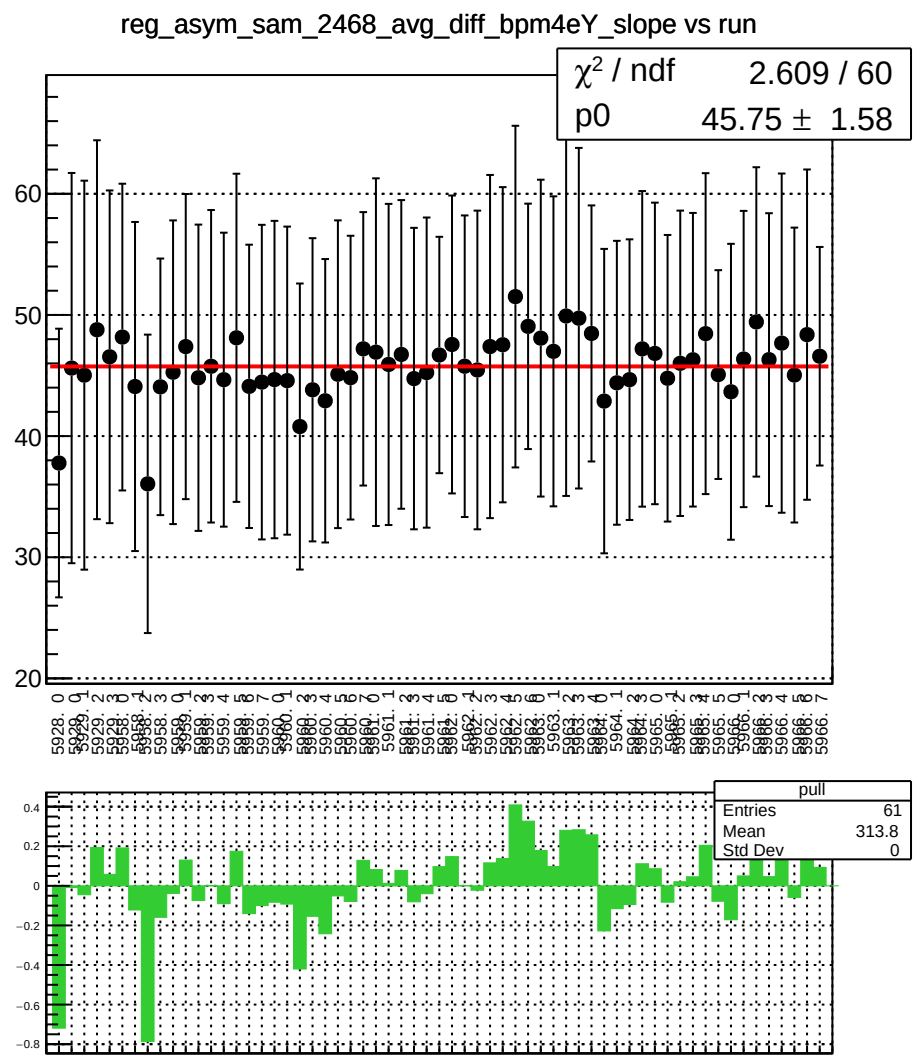

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 5.654 / 60
p0 −7.011 ± 1.776
pull
Entries 61
Mean 48.38
Std Dev 0

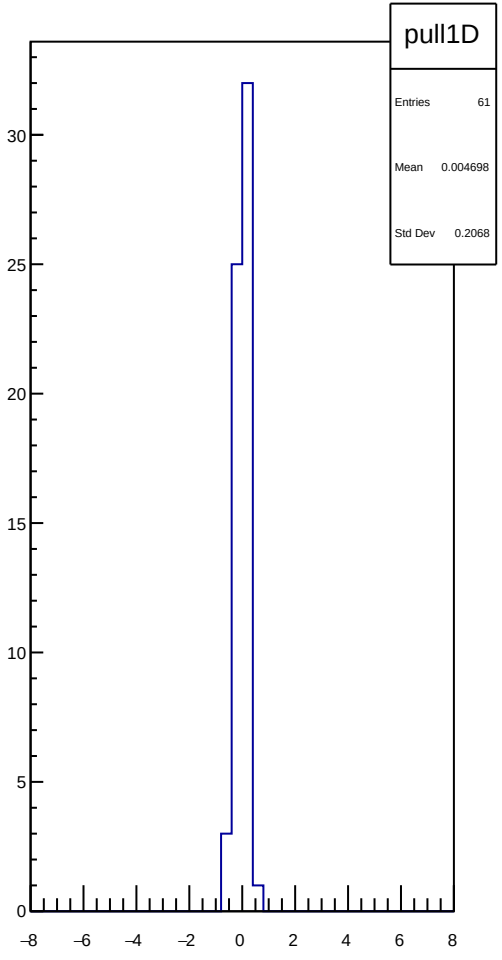

pull1D
Entries 61
Mean −0.0455
Std Dev 0.301

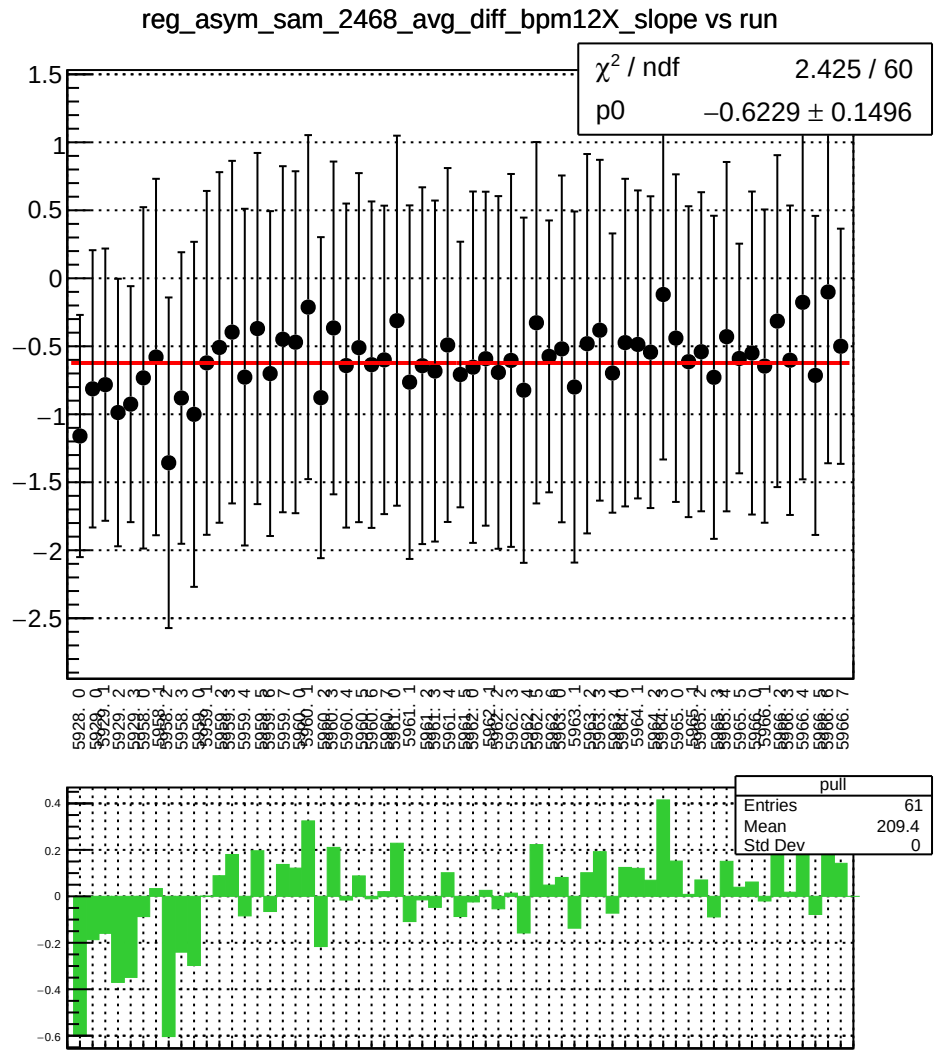

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.361 / 60
p0 −1.552 ± 1.234
pull
Entries 61
Mean −1048
Std Dev 0
pull1D
Entries 61
Mean 0.001721
Std Dev 0.2347

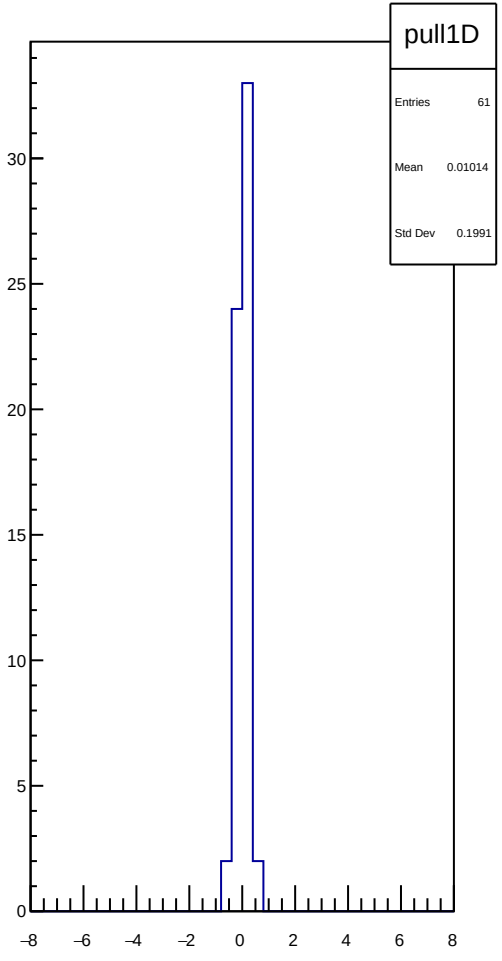

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.973 / 60
p0 −96.61 ± 1.879
pull
Entries 61
Mean 226.6
Std Dev 0

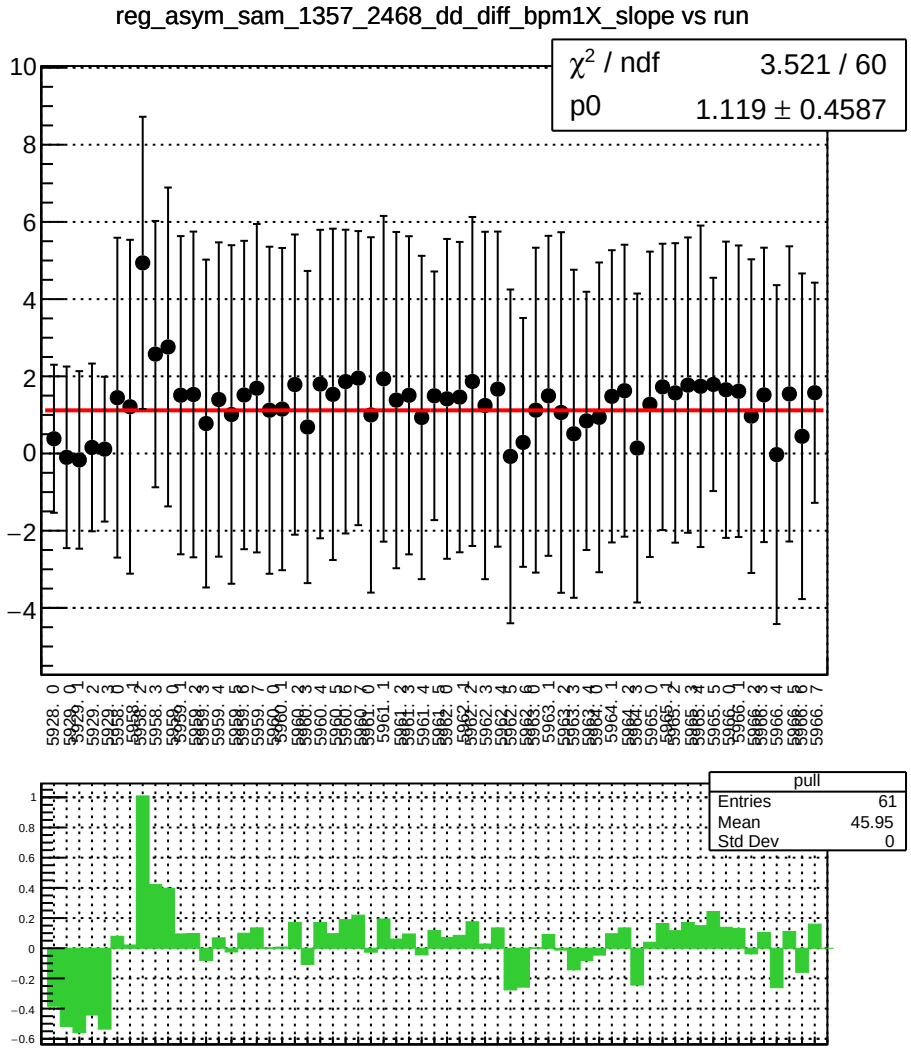

pull1D
Entries 61
Mean −0.01078
Std Dev 0.2205

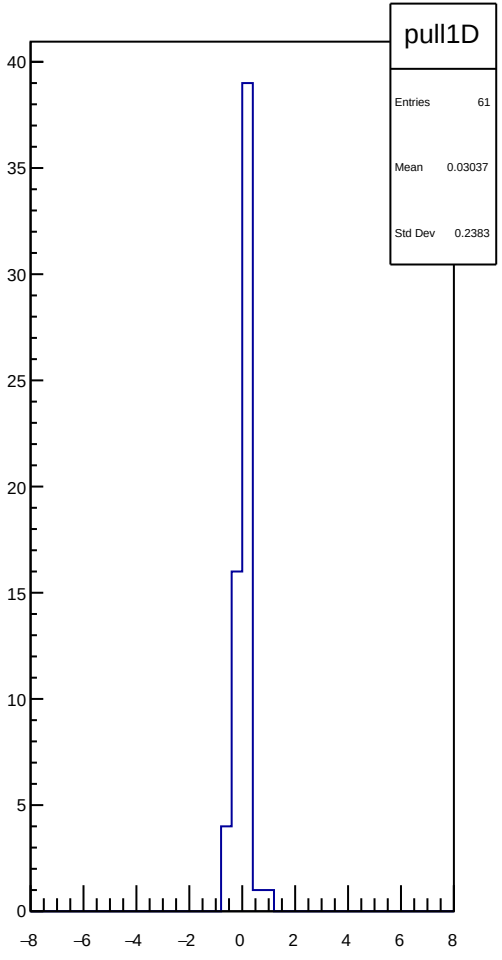

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.609 / 60
p0 45.75 ± 1.58
pull
Entries 61
Mean 313.8
Std Dev 0

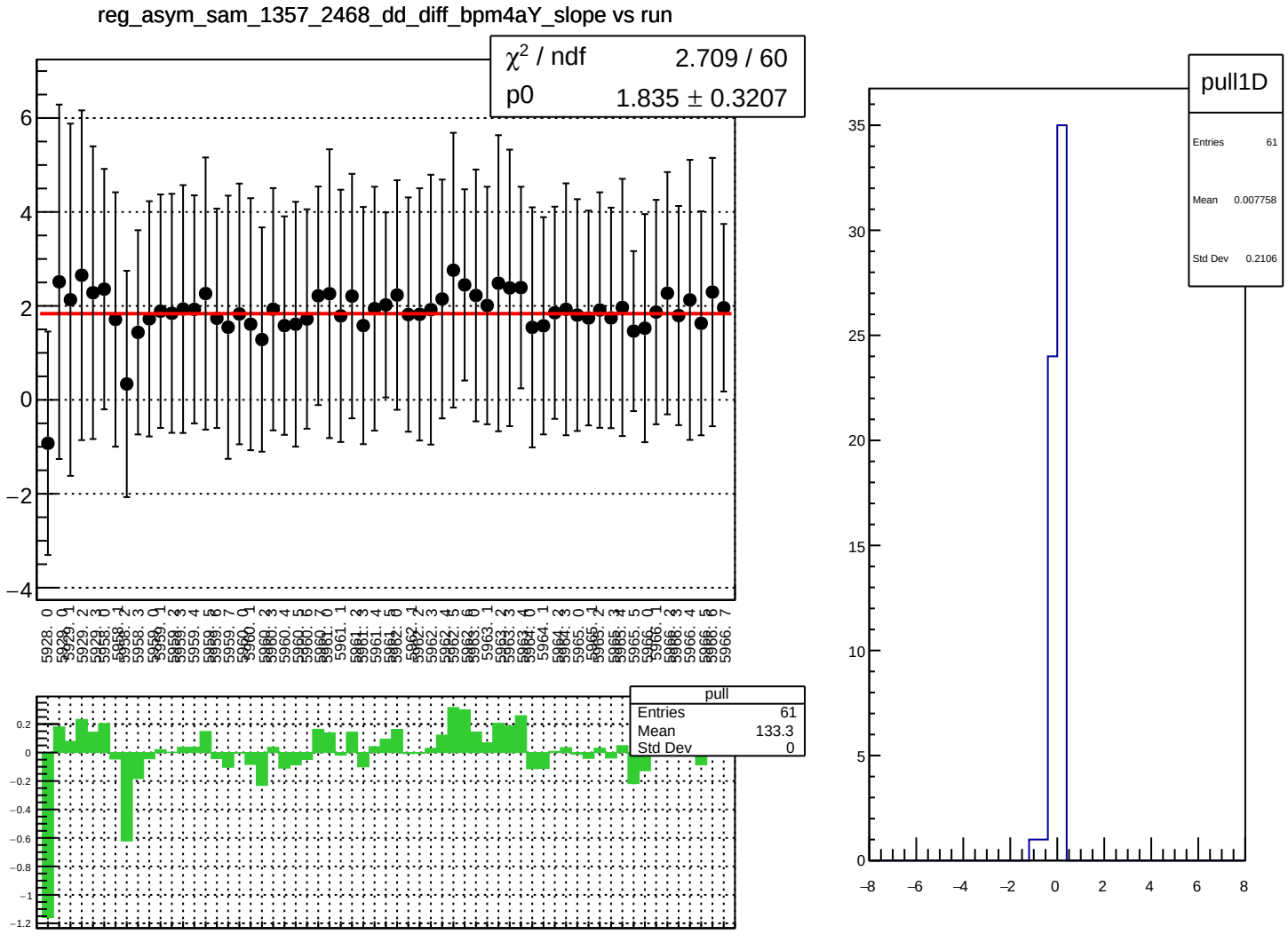

pull1D
Entries 61
Mean 0.004698
Std Dev 0.2068

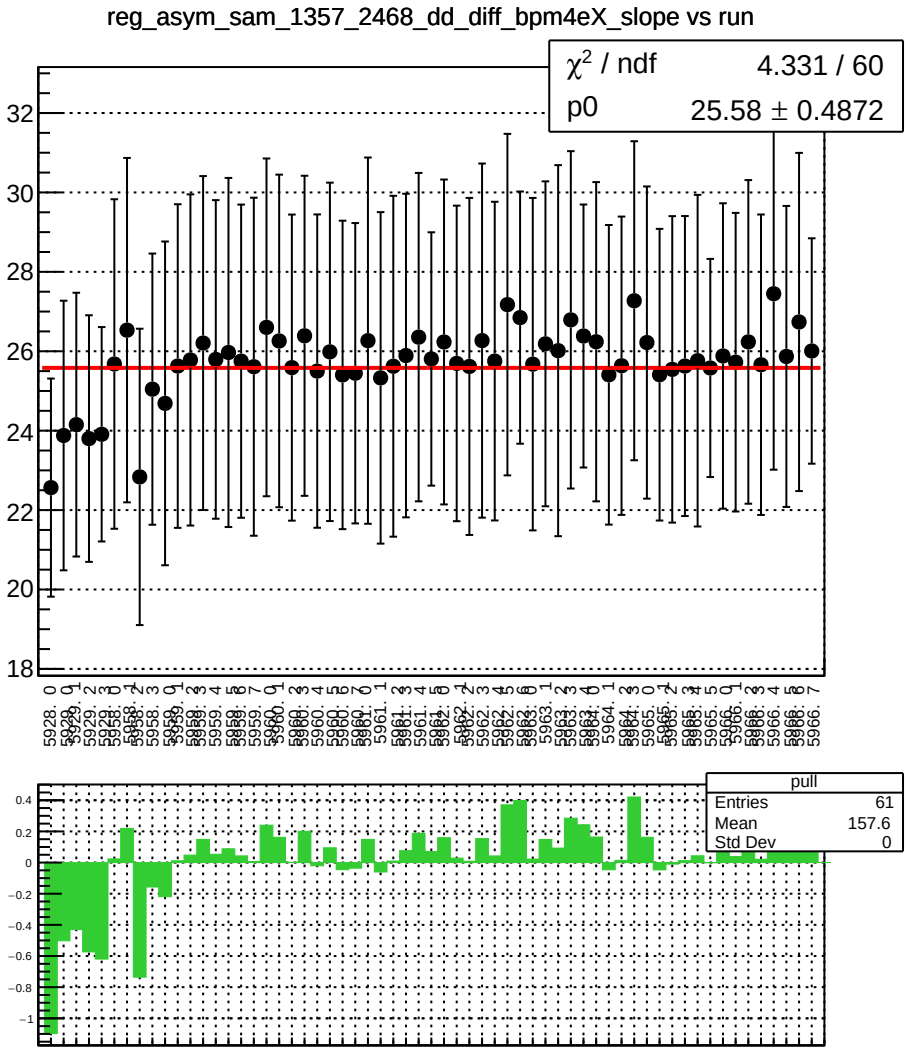

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.425 / 60
p0 −0.6229 ± 0.1496
pull
Entries 61
Mean 209.4
Std Dev 0

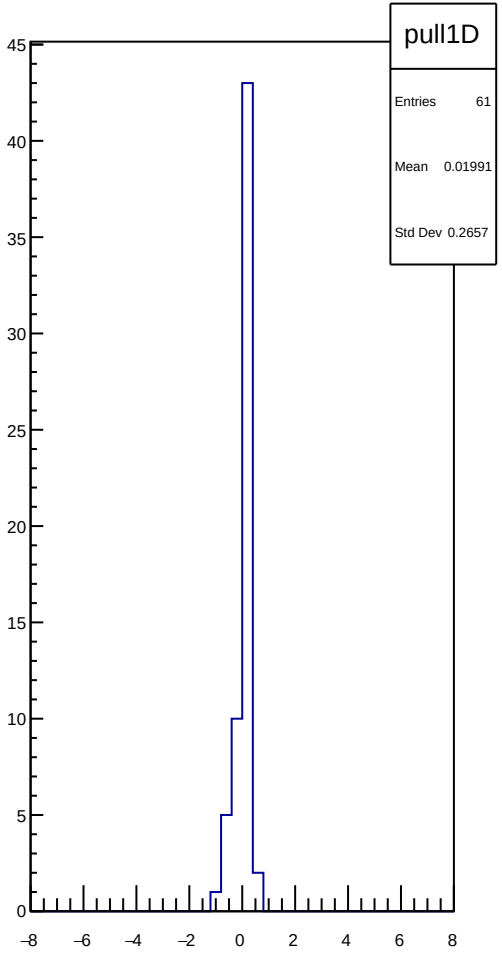

pull1D
Entries 61
Mean 0.01014
Std Dev 0.1991

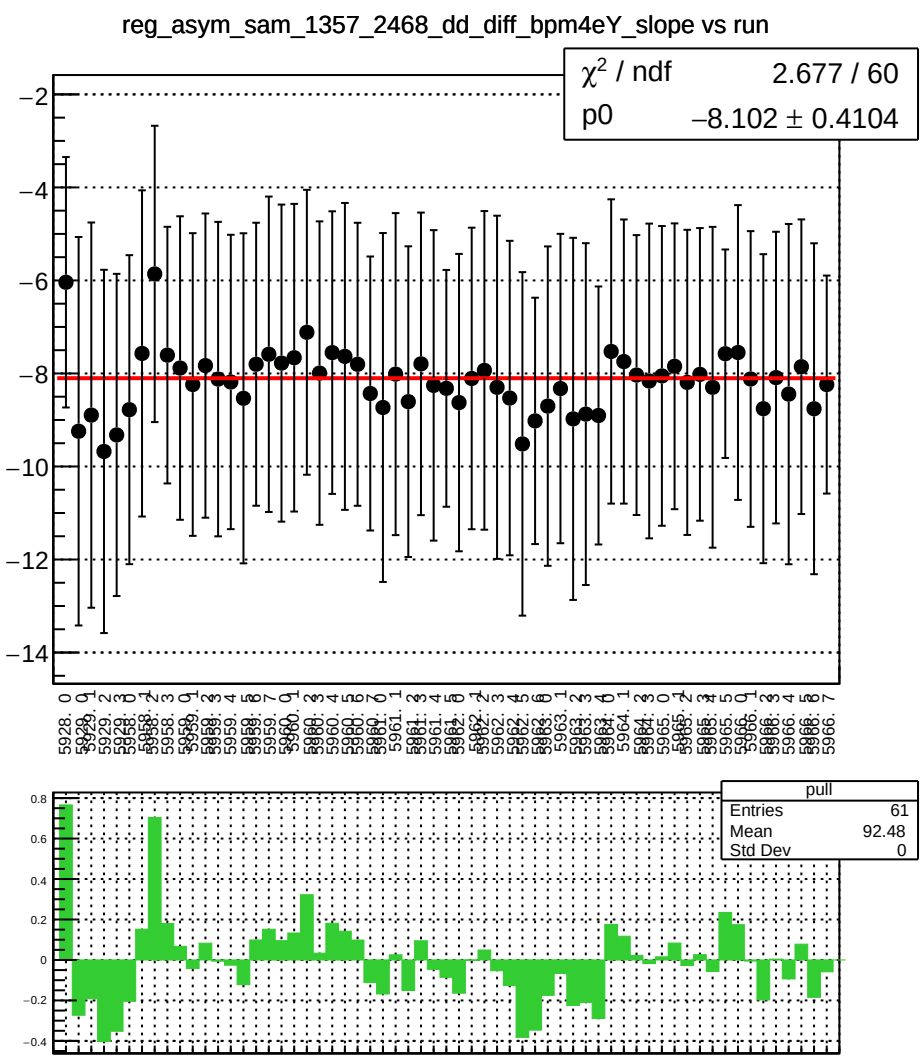

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 3.521 / 60
p0 1.119 ± 0.4587
pull
Entries 61
Mean 45.95
Std Dev 0

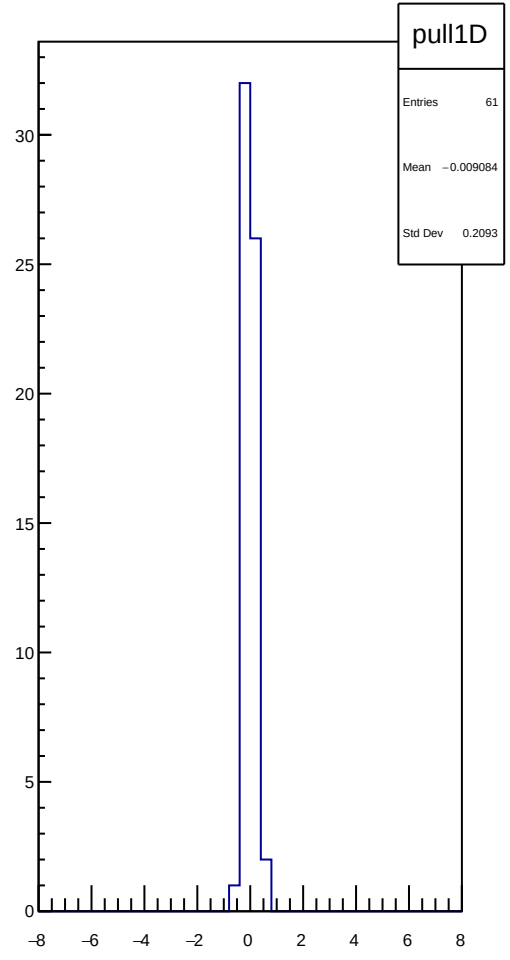

pull1D
Entries 61
Mean 0.03037
Std Dev 0.2383

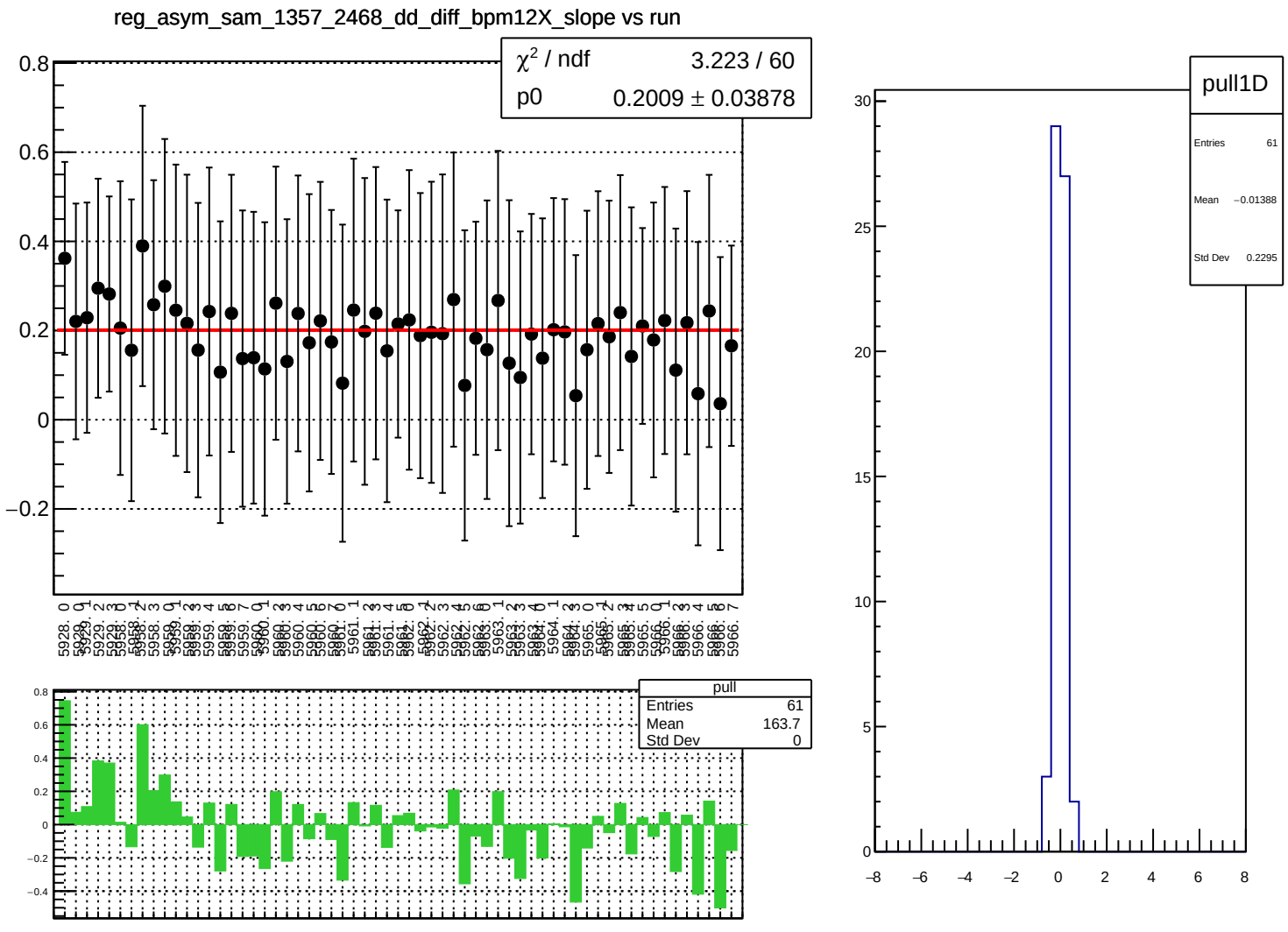

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.709 / 60
p0 1.835 ± 0.3207
pull
Entries 61
Mean 133.3
Std Dev 0
pull1D
Entries 61
Mean 0.007758
Std Dev 0.2106

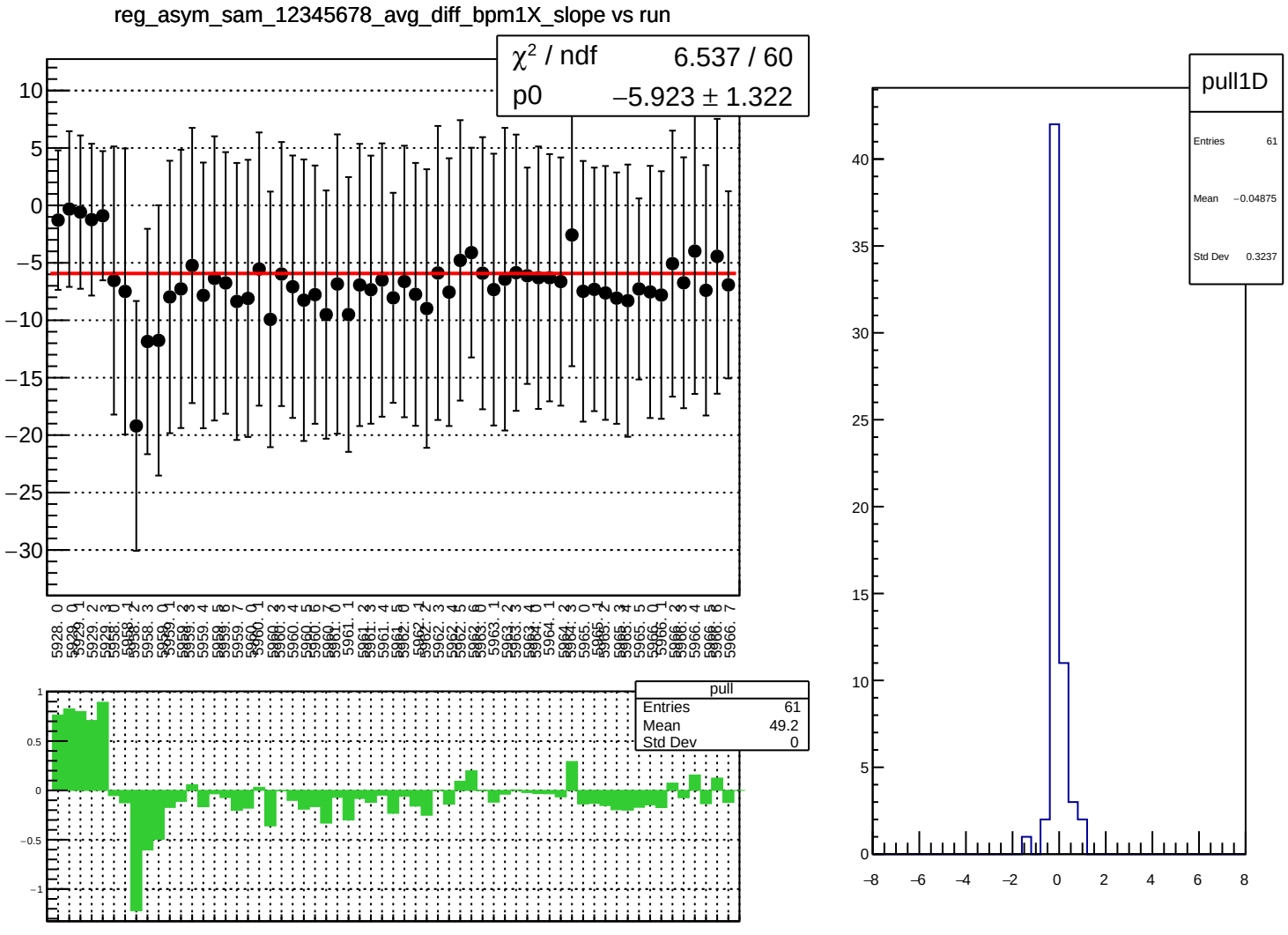

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.331 / 60
p0 25.58 ± 0.4872
pull
Entries 61
Mean 157.6
Std Dev 0

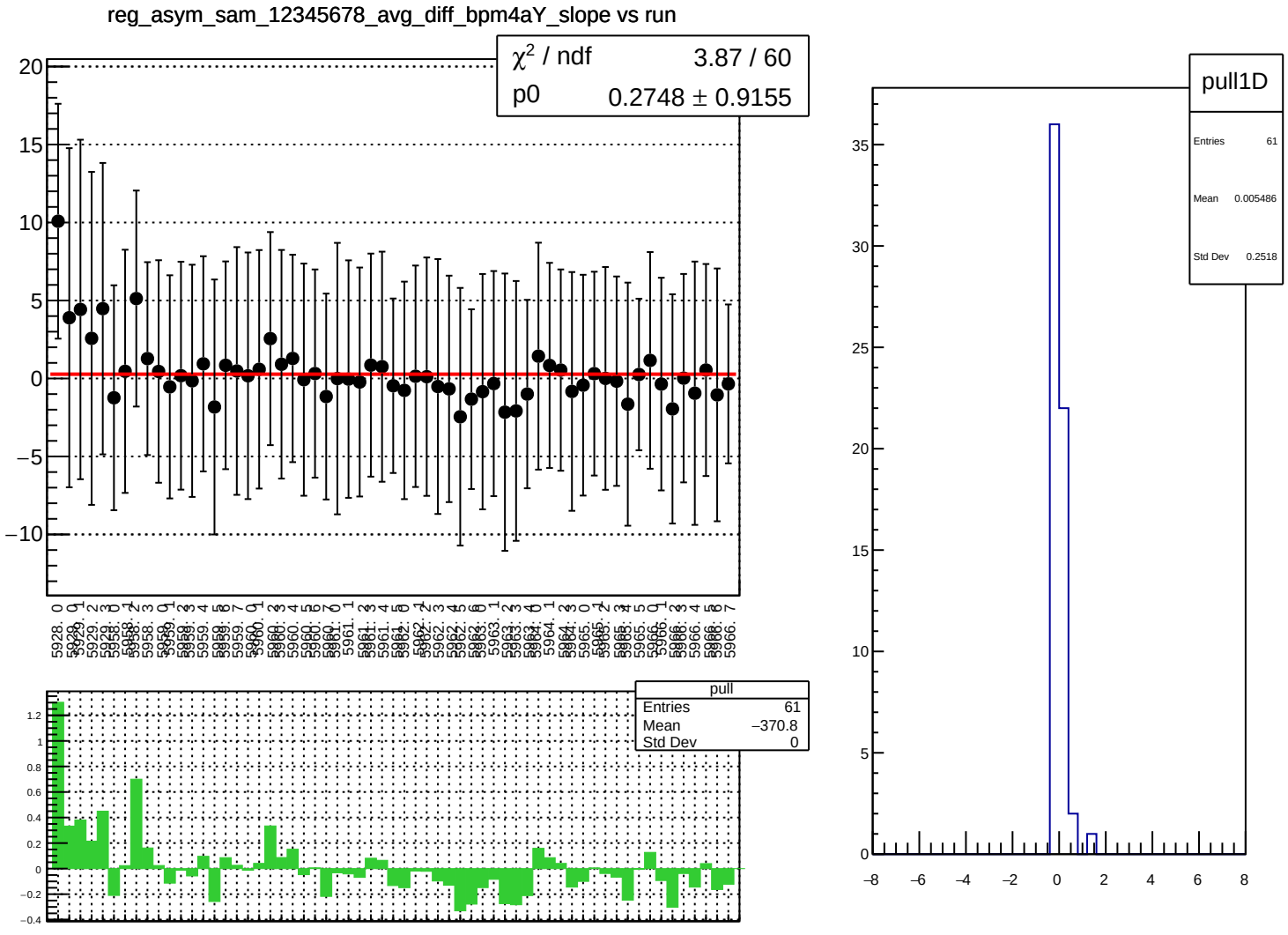

pull1D
Entries 61
Mean 0.01991
Std Dev 0.2657

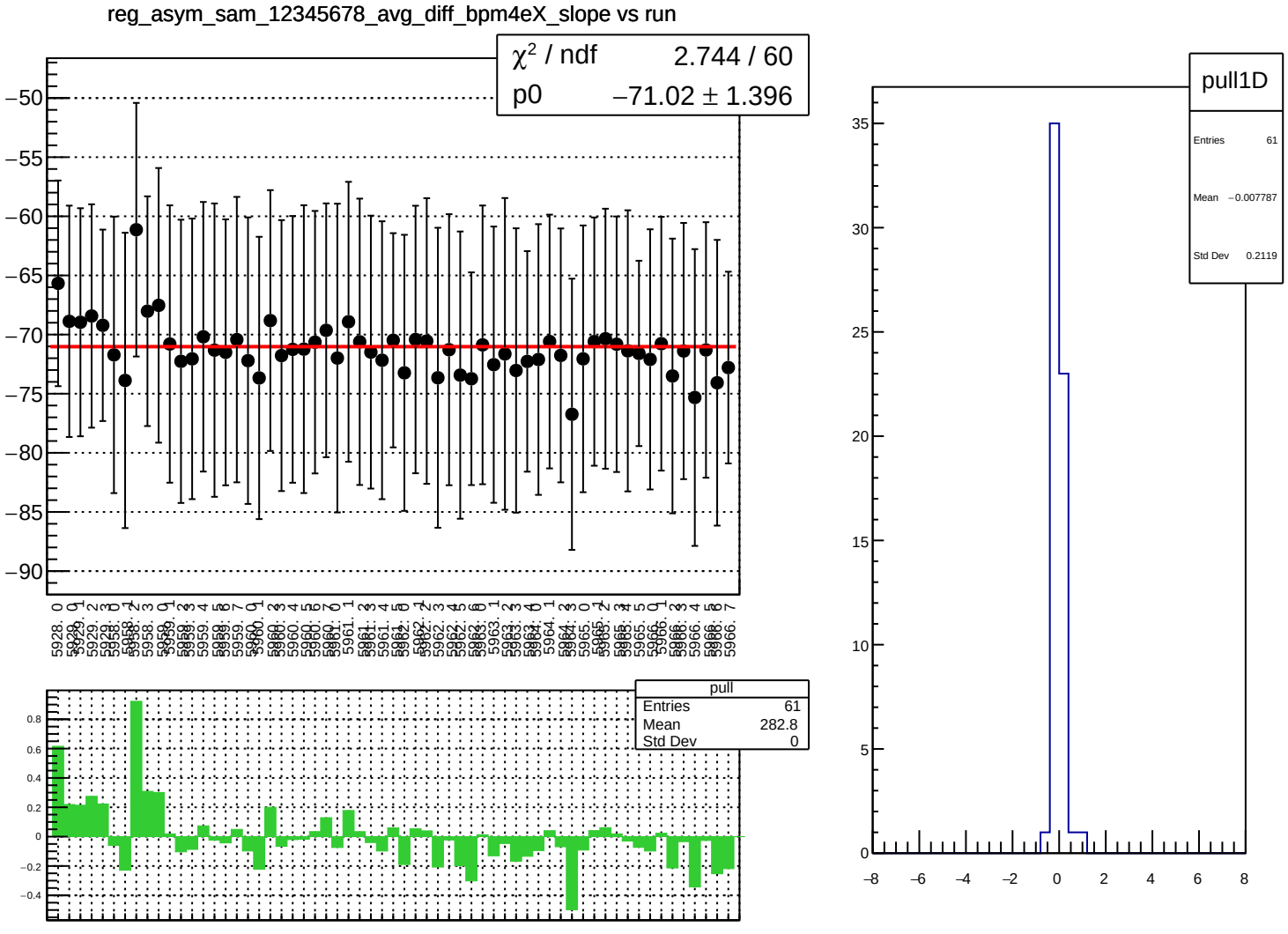

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.677 / 60
p0 −8.102 ± 0.4104
pull
Entries 61
Mean 92.48
Std Dev 0

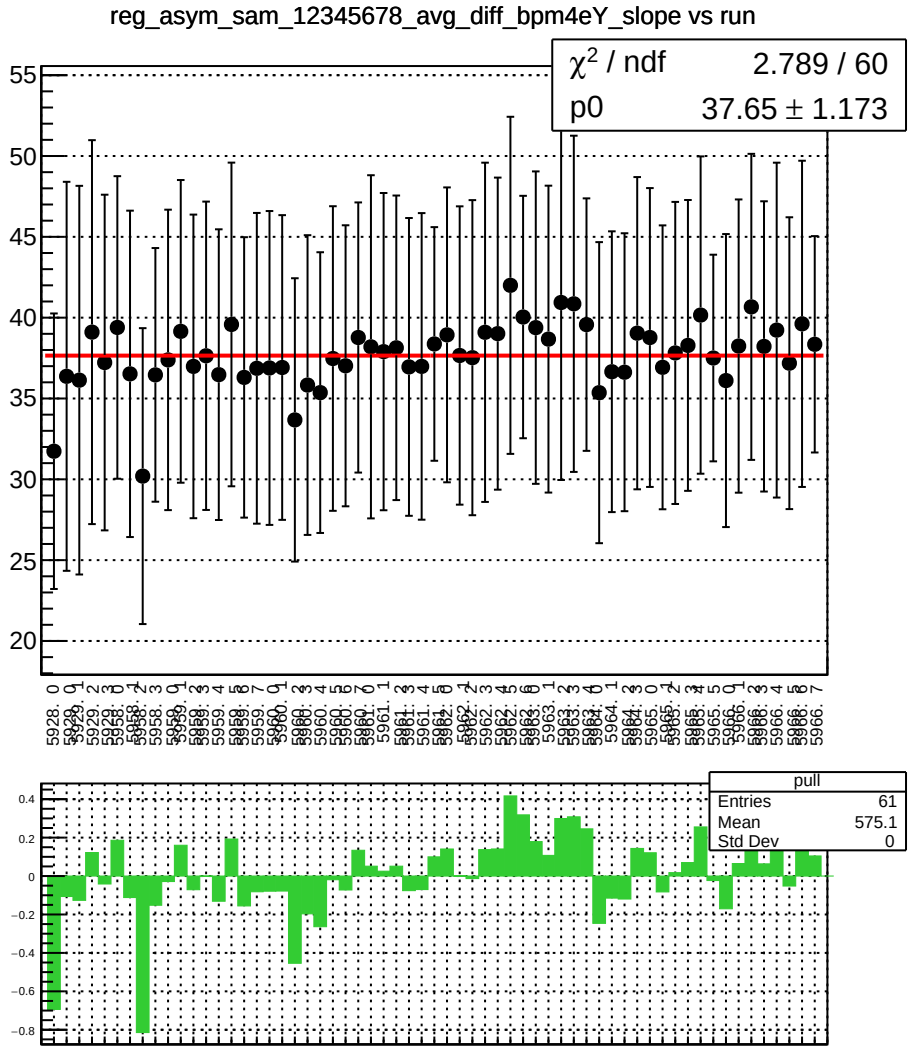

pull1D
Entries 61
Mean −0.009084
Std Dev 0.2093

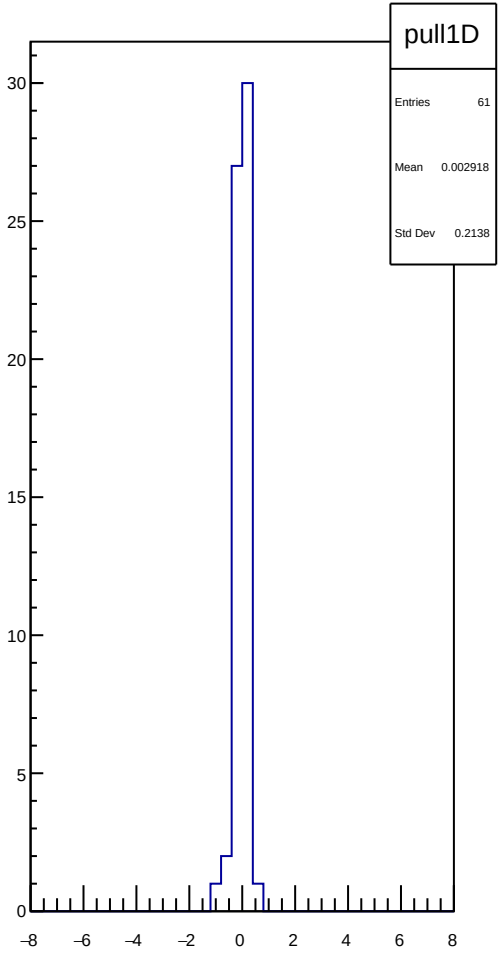

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.223 / 60
p0 0.2009 ± 0.03878
pull
Entries 61
Mean 163.7
Std Dev 0
pull1D
Entries 61
Mean −0.01388
Std Dev 0.2295

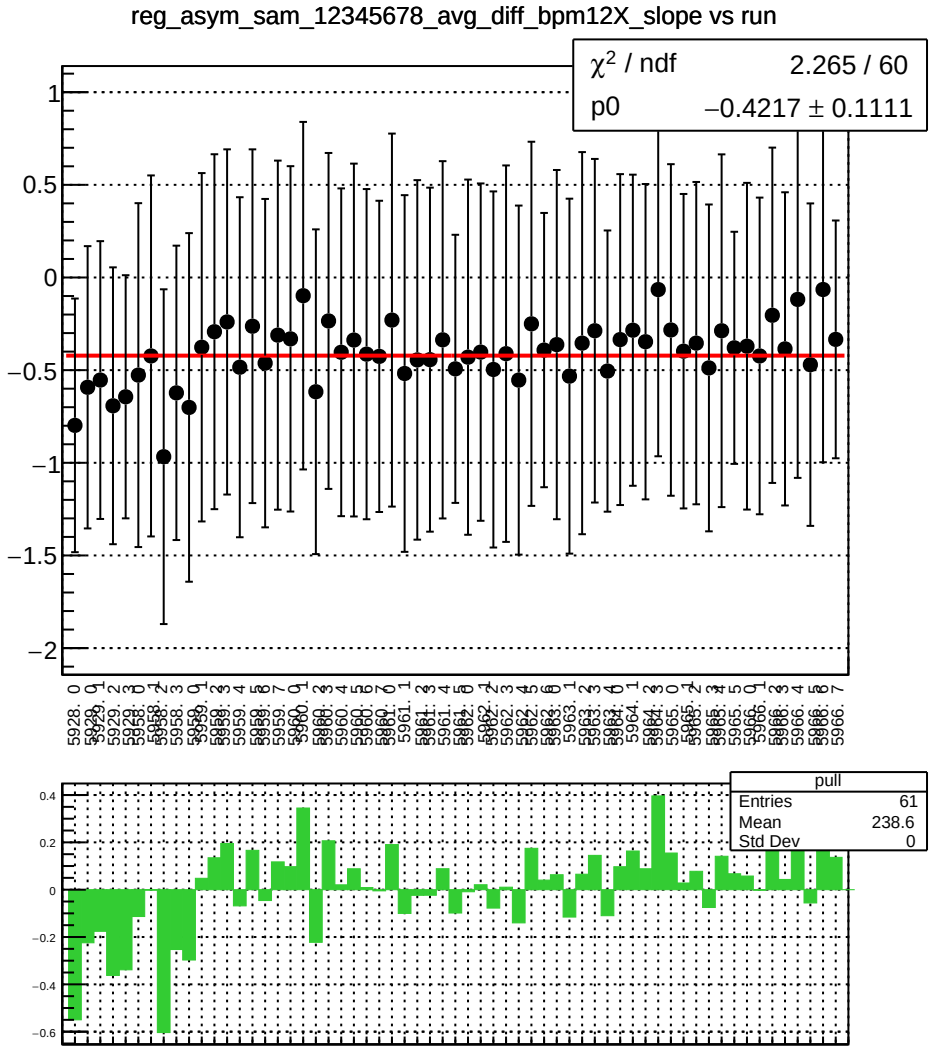

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 6.537 / 60
p0 −5.923 ± 1.322
pull
Entries 61
Mean 49.2
Std Dev 0
pull1D
Entries 61
Mean −0.04875
Std Dev 0.3237

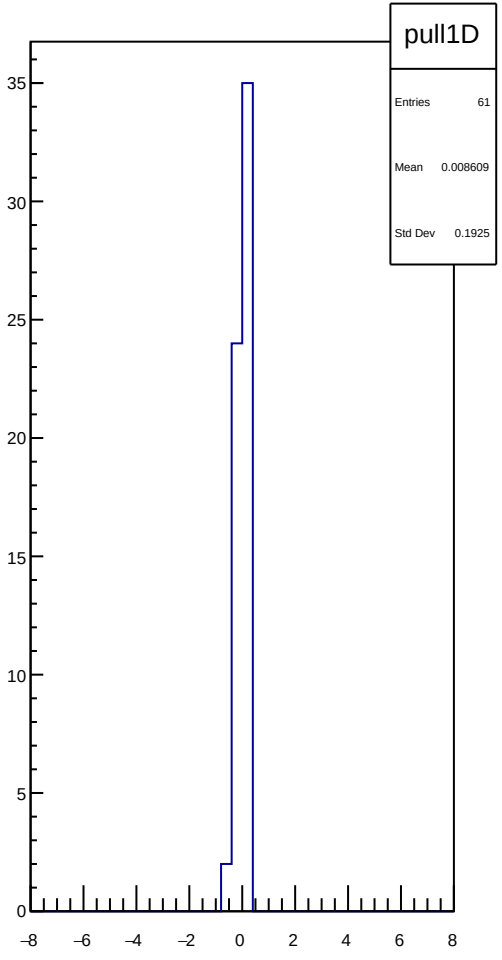

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.87 / 60
p0 0.2748 ± 0.9155
pull
Entries 61
Mean −370.8
Std Dev 0
pull1D
Entries 61
Mean 0.005486
Std Dev 0.2518

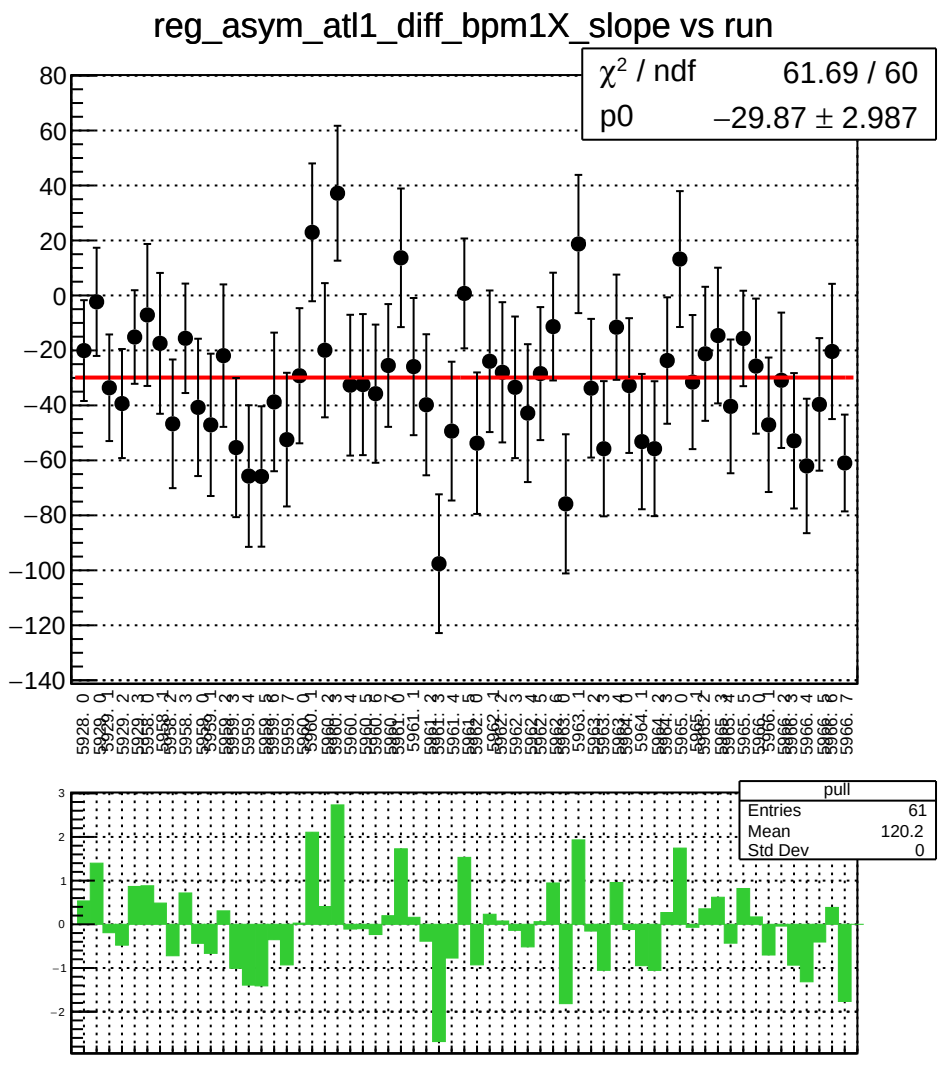

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.744 / 60
p0 −71.02 ± 1.396
pull
Entries 61
Mean 282.8
Std Dev 0
pull1D
Entries 61
Mean −0.007787
Std Dev 0.2119

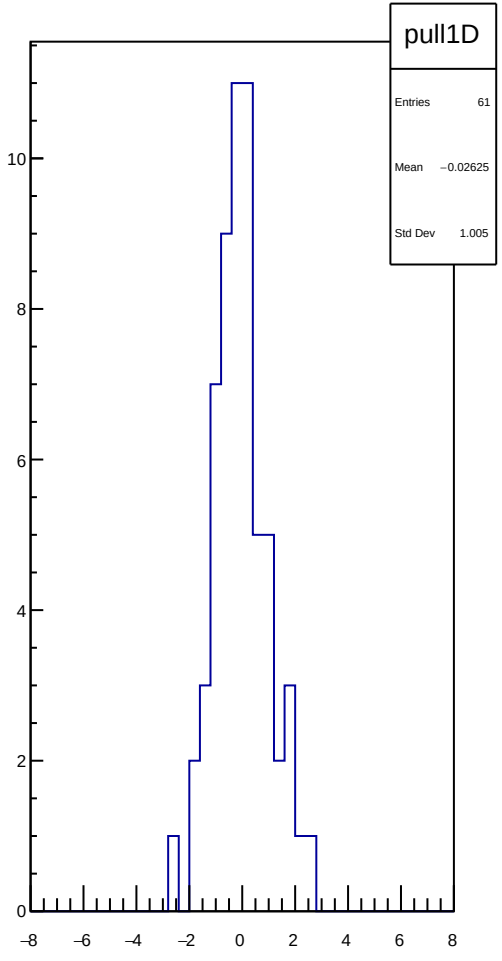

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.789 / 60
p0 37.65 ± 1.173
pull
Entries 61
Mean 575.1
Std Dev 0

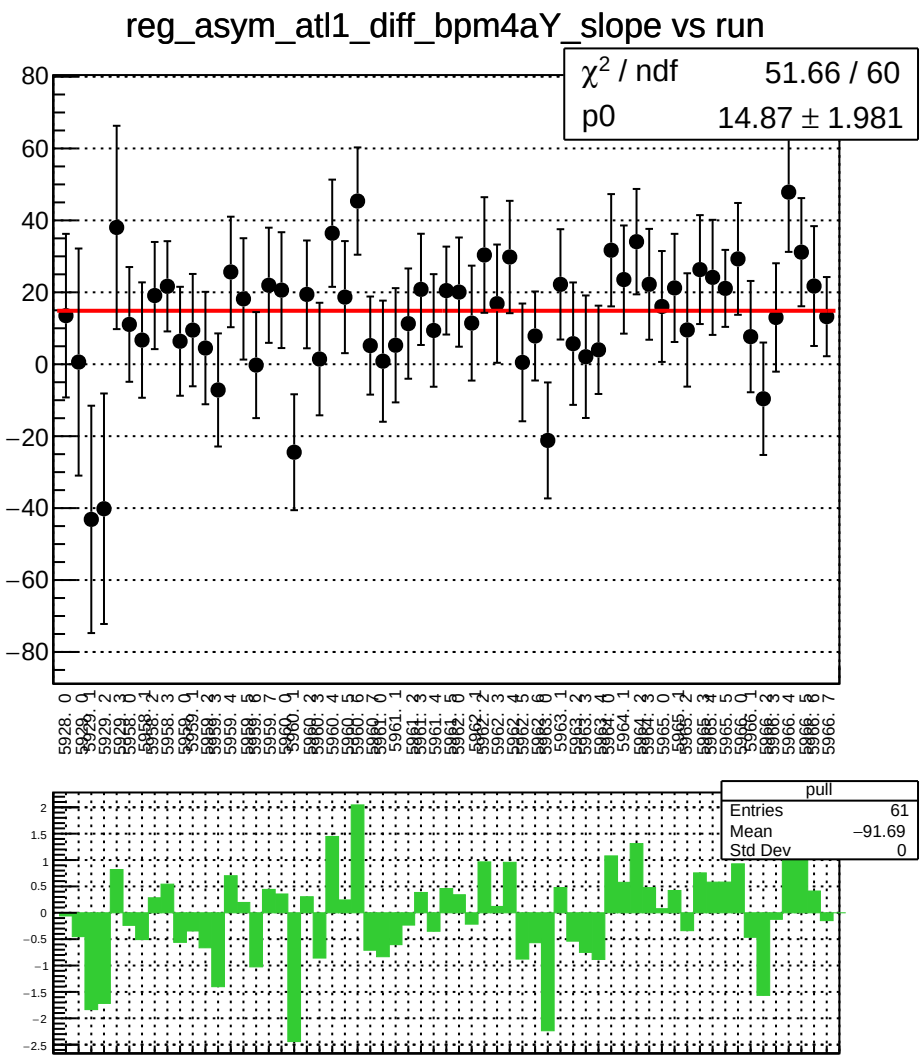

pull1D
Entries 61
Mean 0.002918
Std Dev 0.2138

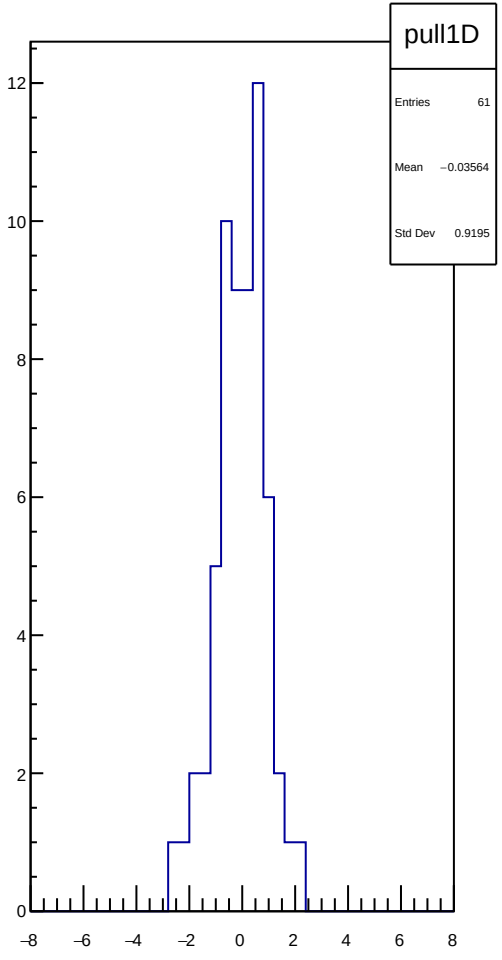

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.265 / 60
p0 −0.4217 ± 0.1111
pull
Entries 61
Mean 238.6
Std Dev 0

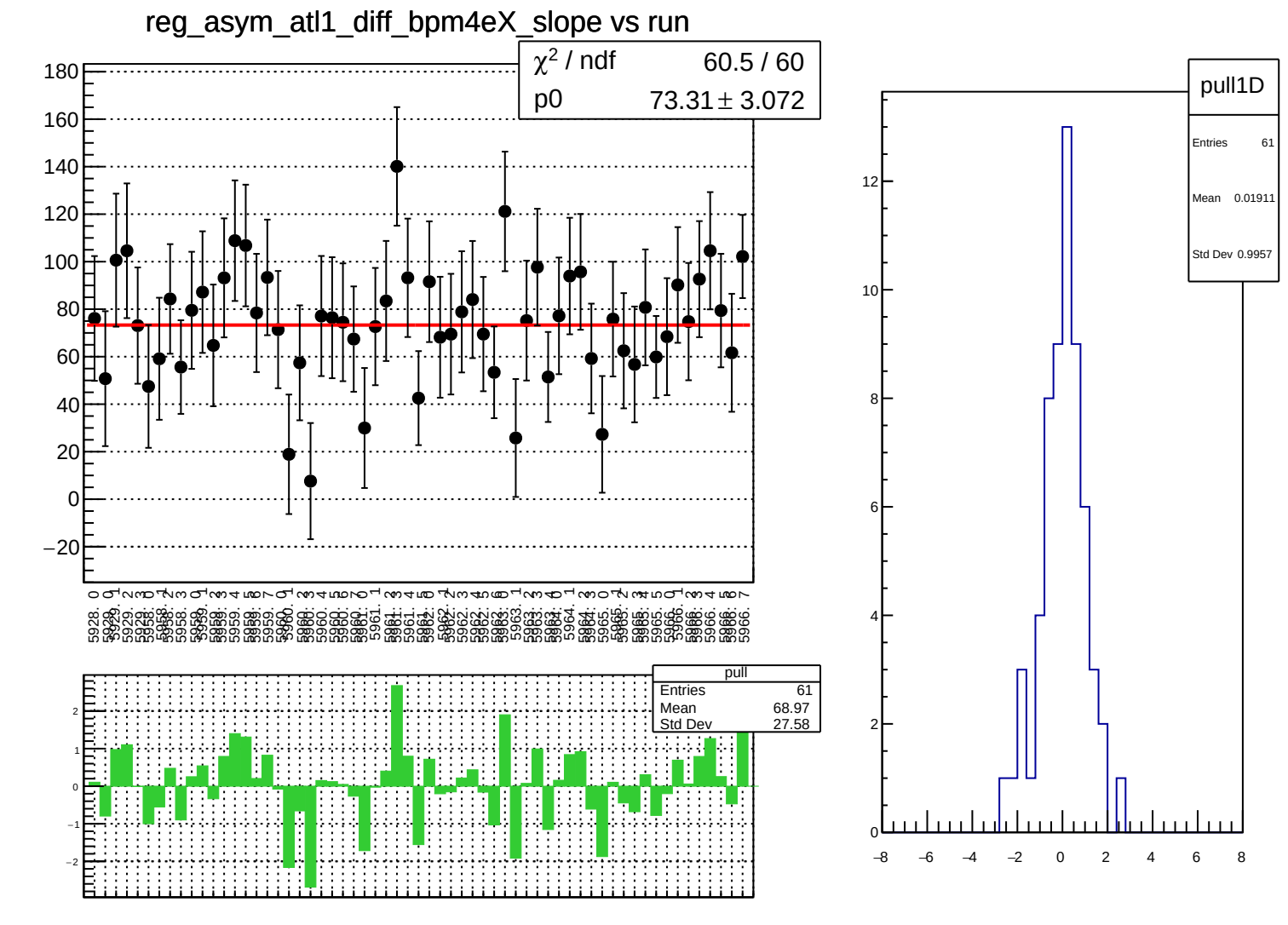

pull1D
Entries 61
Mean 0.008609
Std Dev 0.1925

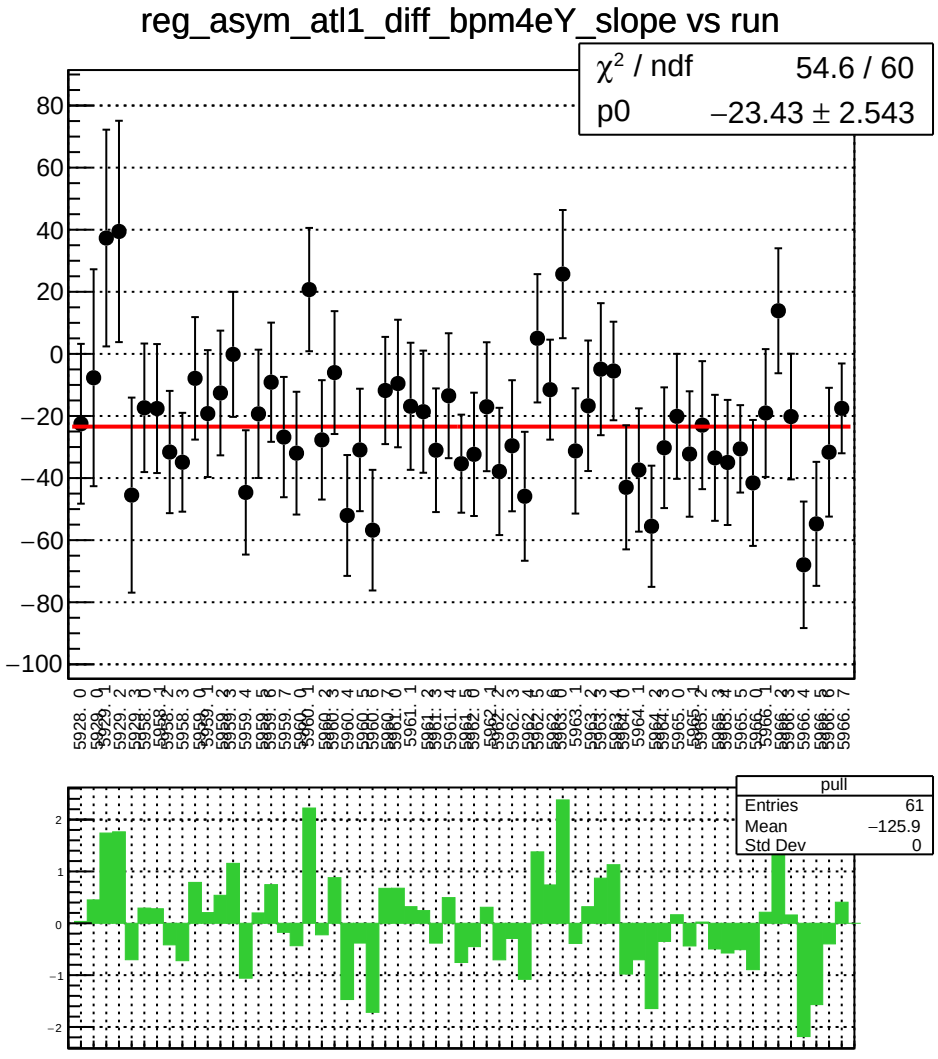

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 61.69 / 60
p0 −29.87 ± 2.987
pull
Entries 61
Mean 120.2
Std Dev 0

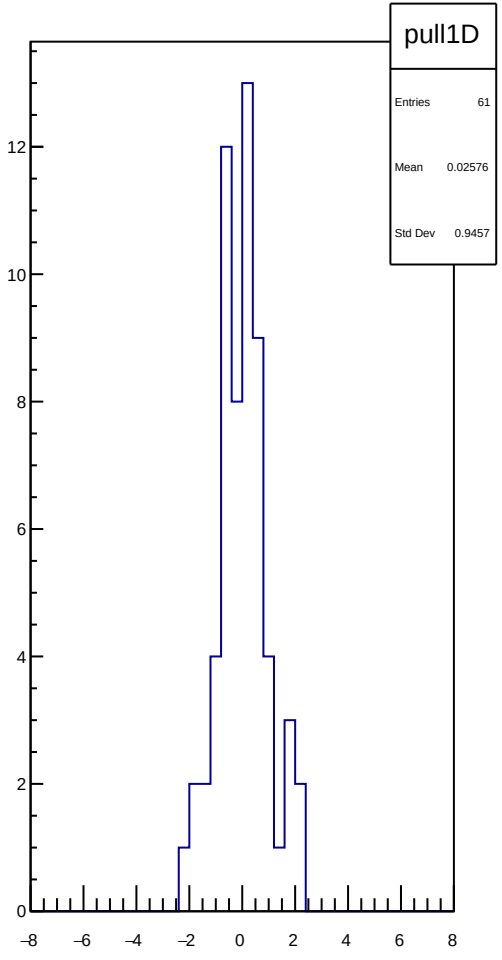

pull1D
Entries 61
Mean −0.02625
Std Dev 1.005

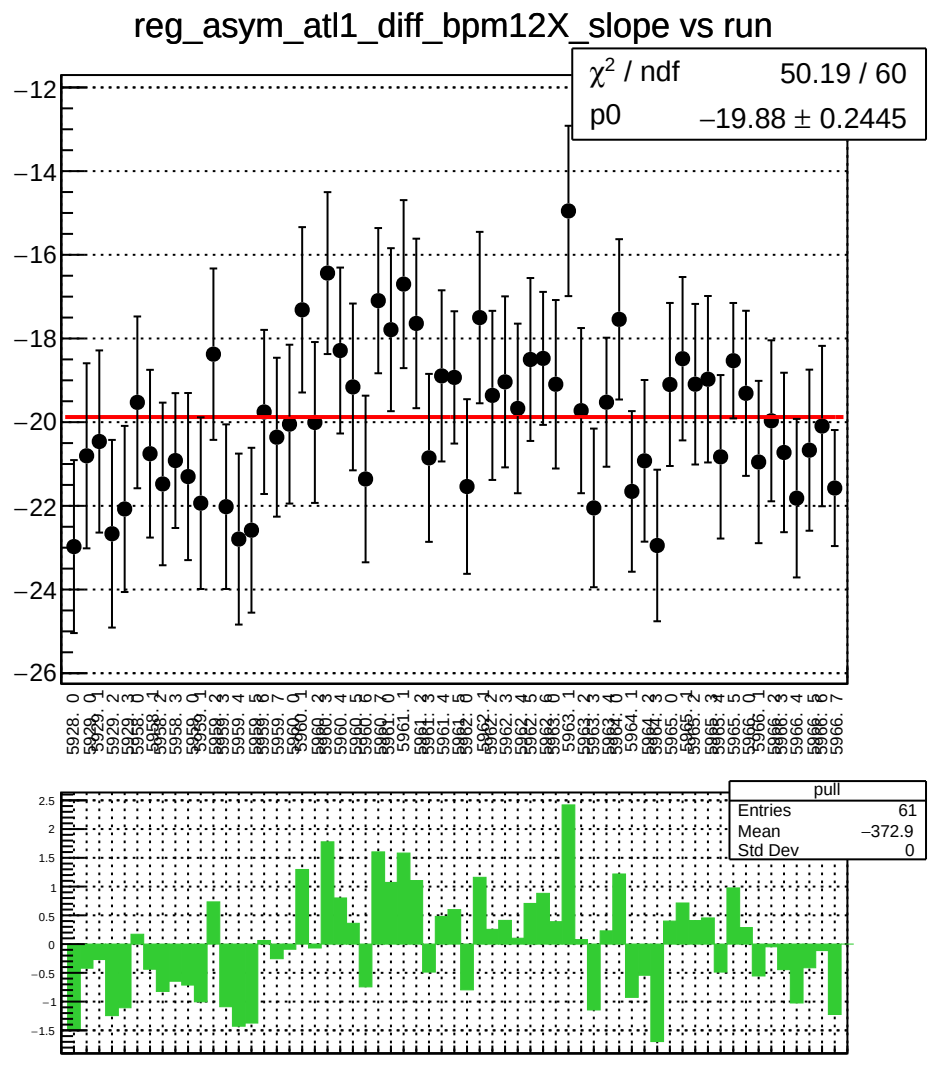

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 51.66 / 60
p0 14.87 ± 1.981
pull
Entries 61
Mean −91.69
Std Dev 0

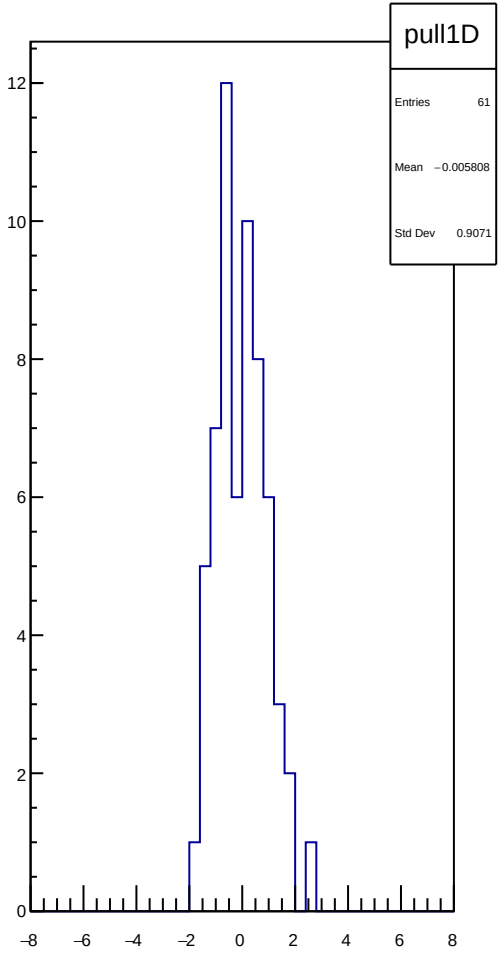

pull1D
Entries 61
Mean −0.03564
Std Dev 0.9195

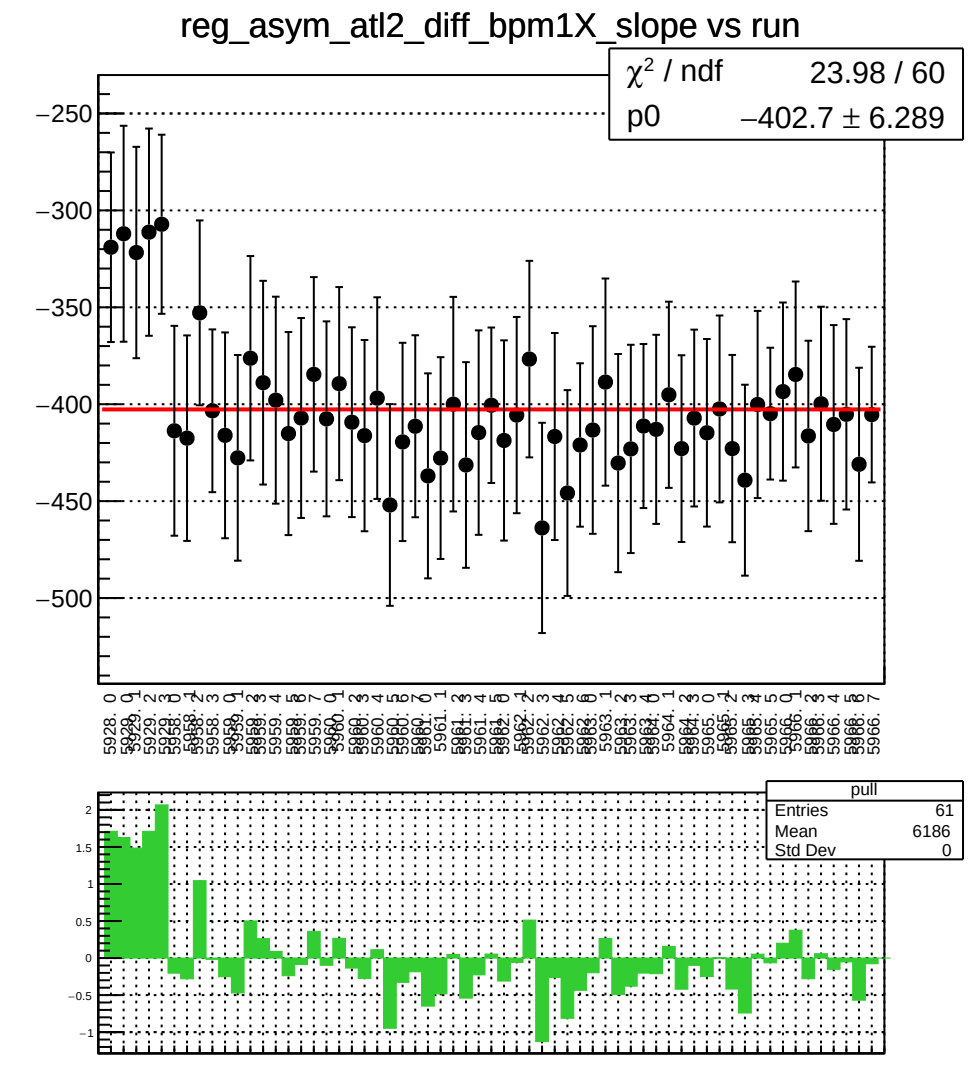

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 60.5 / 60
p0 73.31 ± 3.072
pull
Entries 61
Mean 68.97
Std Dev 27.58
pull1D
Entries 61
Mean 0.01911
Std Dev 0.9957

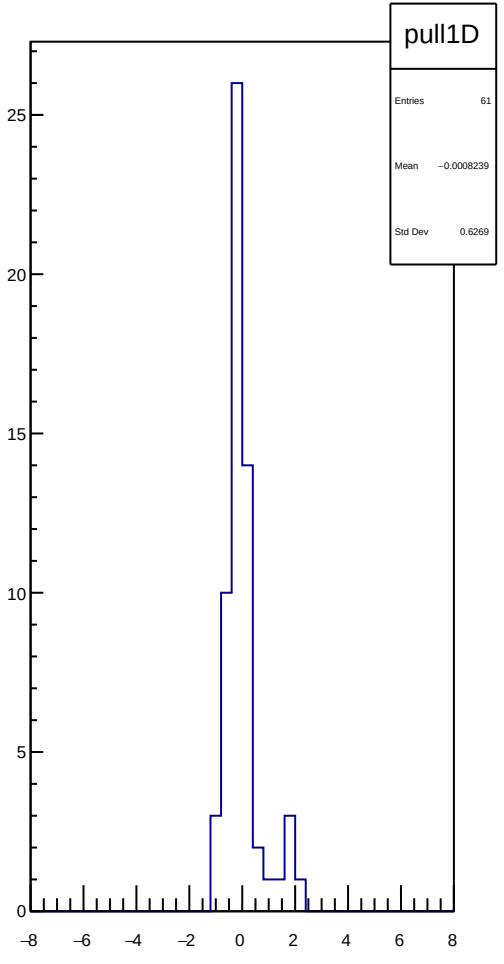

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 54.6 / 60
p0 −23.43 ± 2.543
pull
Entries 61
Mean −125.9
Std Dev 0

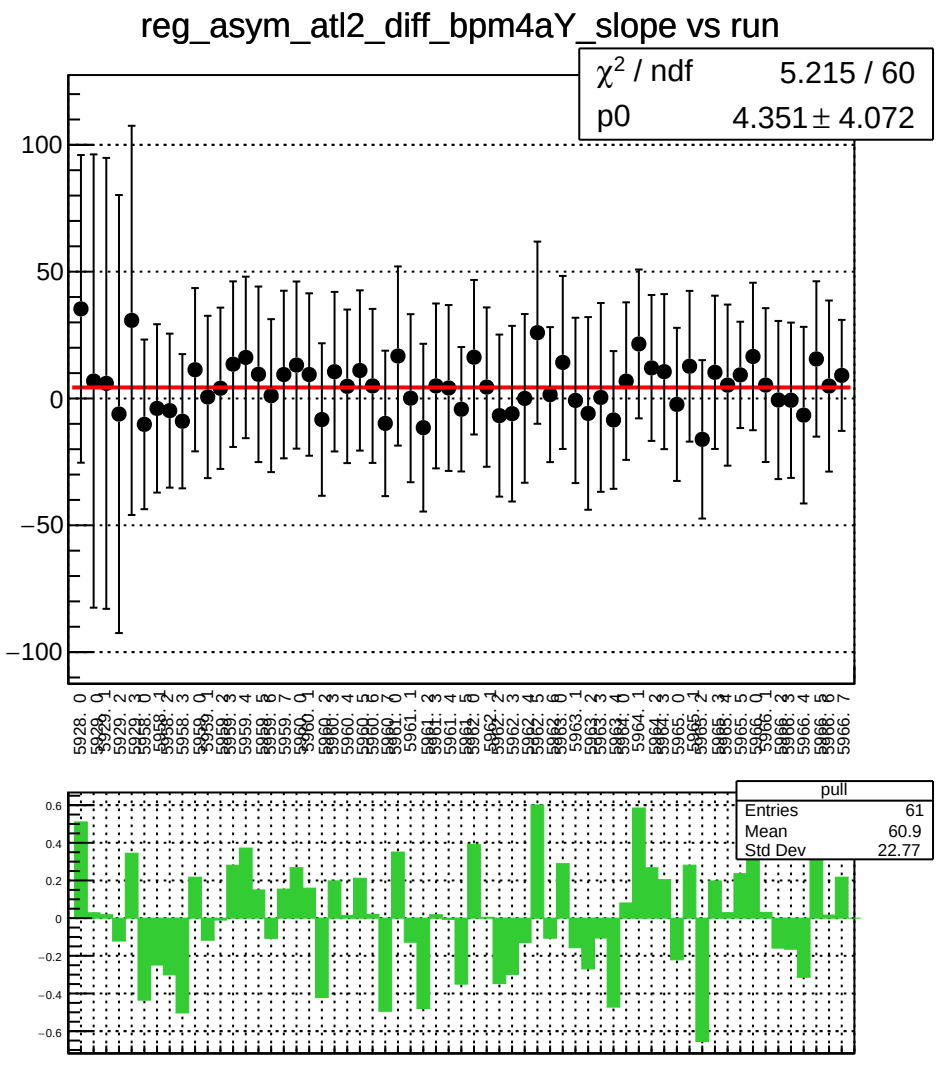

pull1D
Entries 61
Mean 0.02576
Std Dev 0.9457

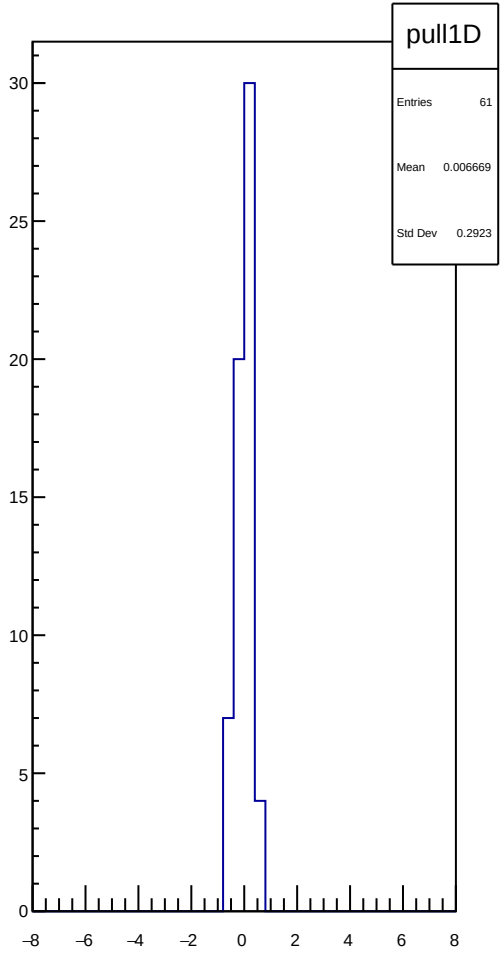

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 50.19 / 60
p0 −19.88 ± 0.2445
pull
Entries 61
Mean −372.9
Std Dev 0

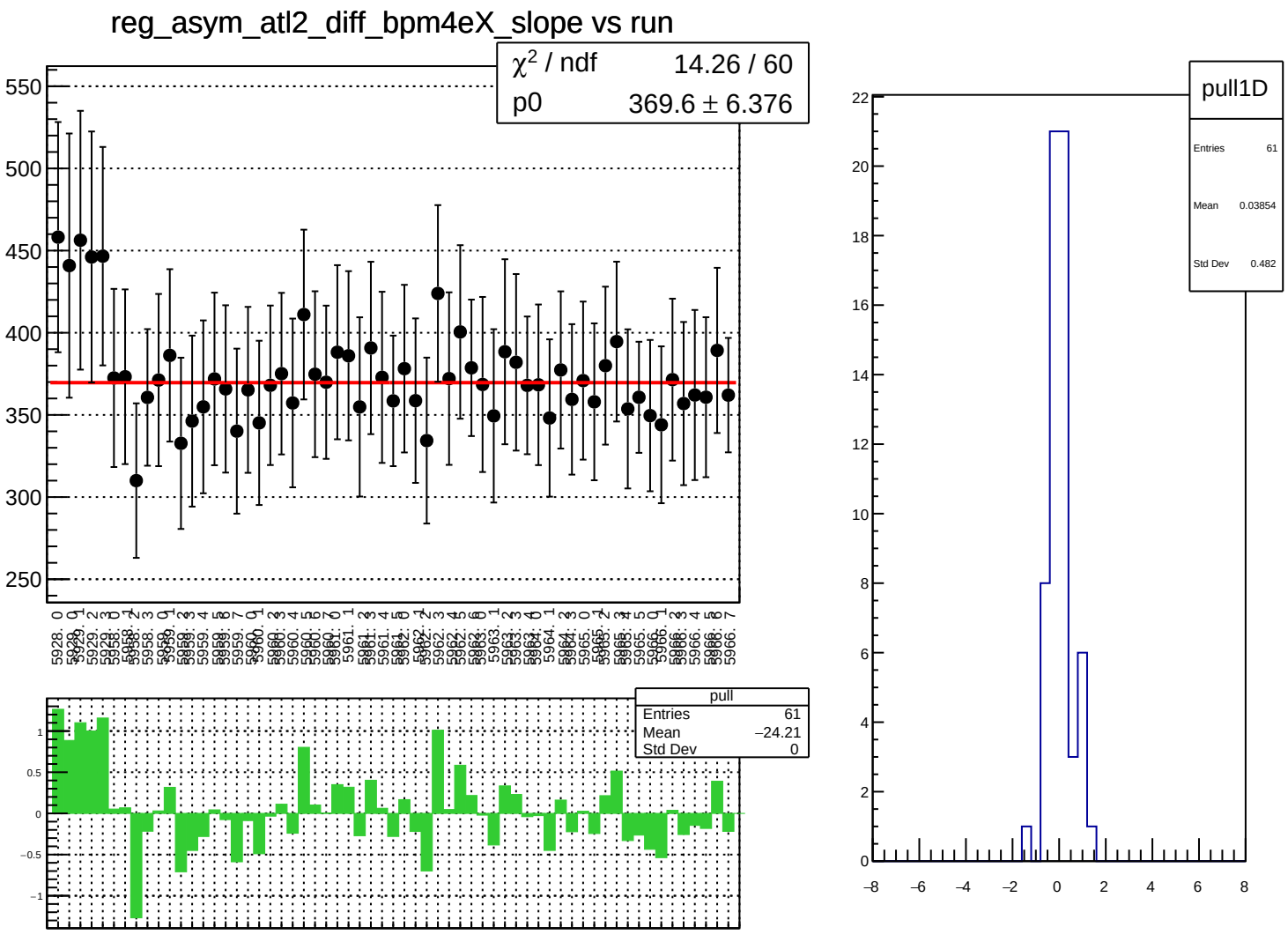

pull1D
Entries 61
Mean −0.005808
Std Dev 0.9071

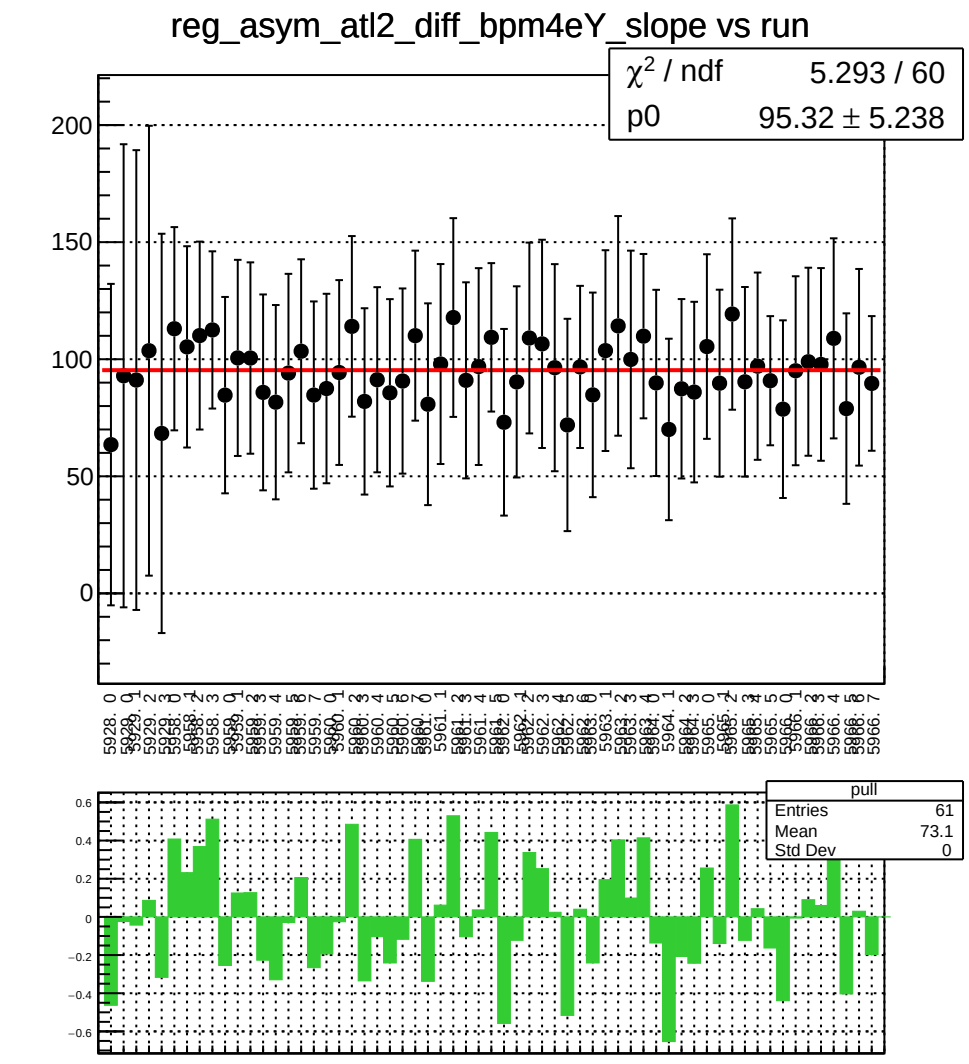

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 23.98 / 60
p0 −402.7 ± 6.289
pull
Entries 61
Mean 6186
Std Dev 0

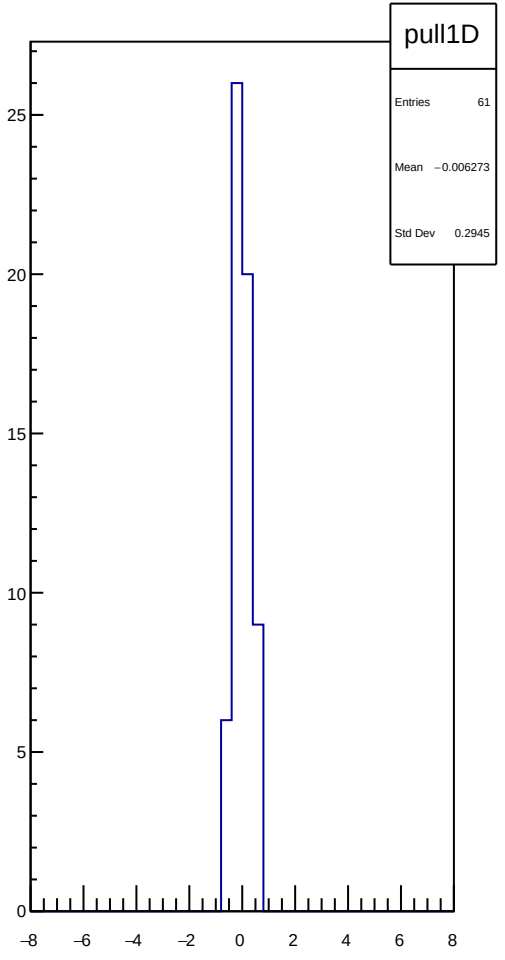

pull1D
Entries 61
Mean −0.0008239
Std Dev 0.6269

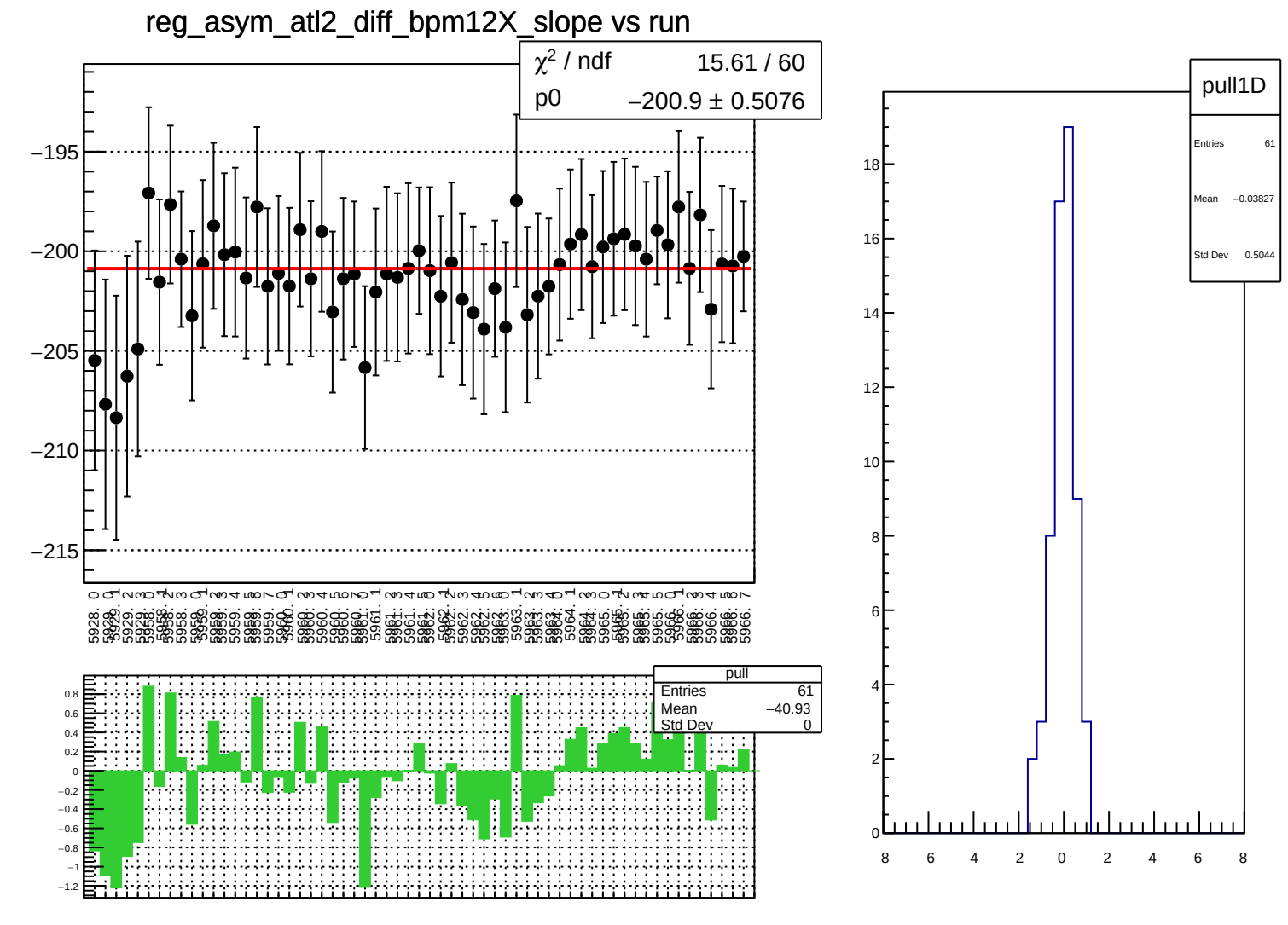

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.215 / 60
p0 4.351 ± 4.072
100
50
0
−50
−100
pull
Entries 61
Mean 60.9
Std Dev 22.77
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

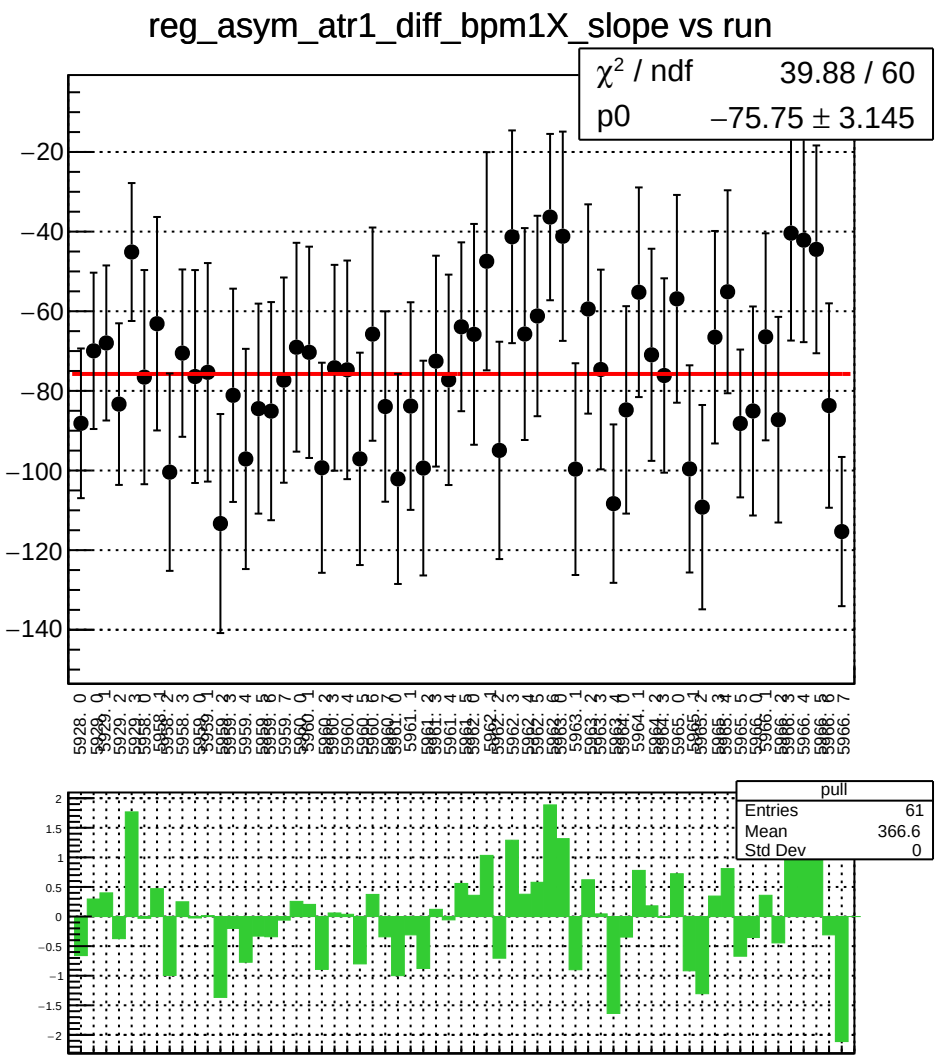

pull1D
Entries 61
Mean 0.006669
Std Dev 0.2923
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

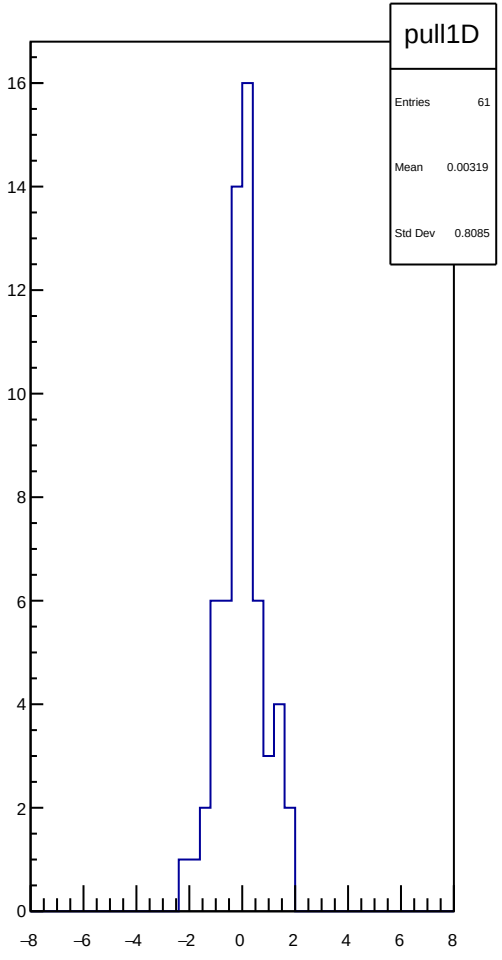

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 14.26 / 60
p0 369.6 ± 6.376
pull
Entries 61
Mean −24.21
Std Dev 0
pull1D
Entries 61
Mean 0.03854
Std Dev 0.482

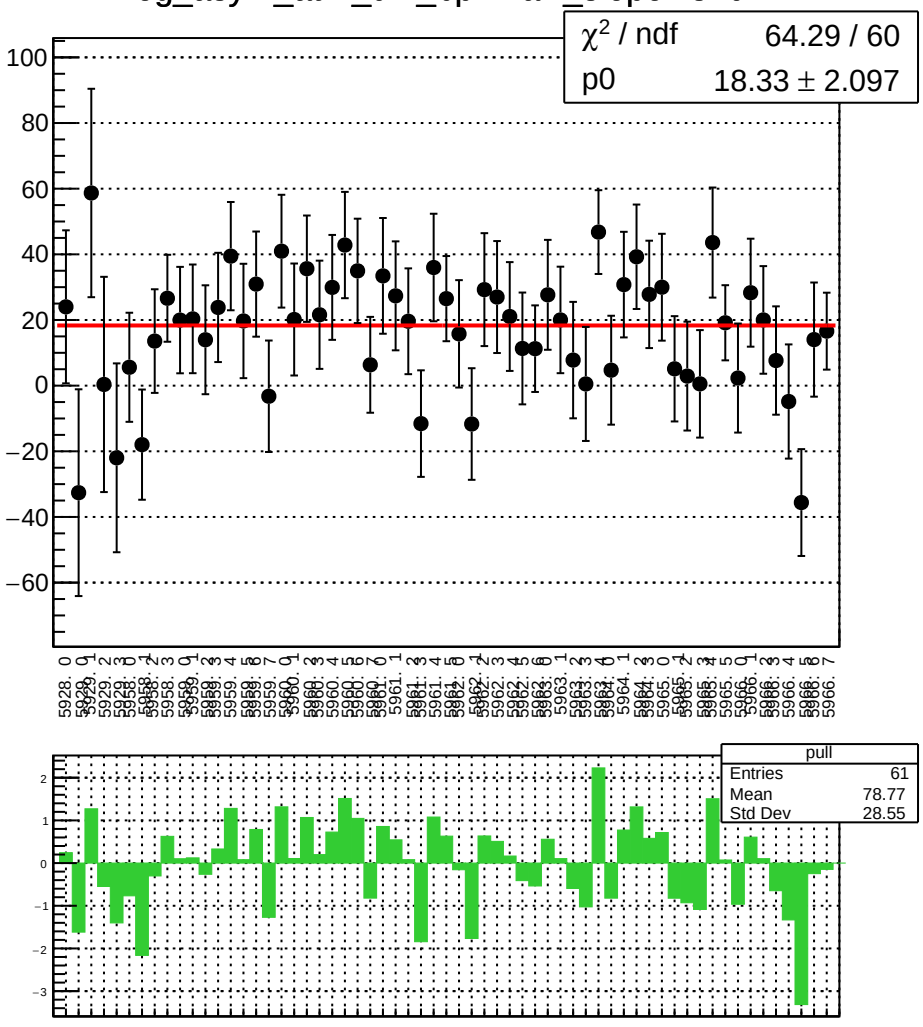

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.293 / 60
p0 95.32 ± 5.238
200
150
100
50
0
pull
Entries 61
Mean 73.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

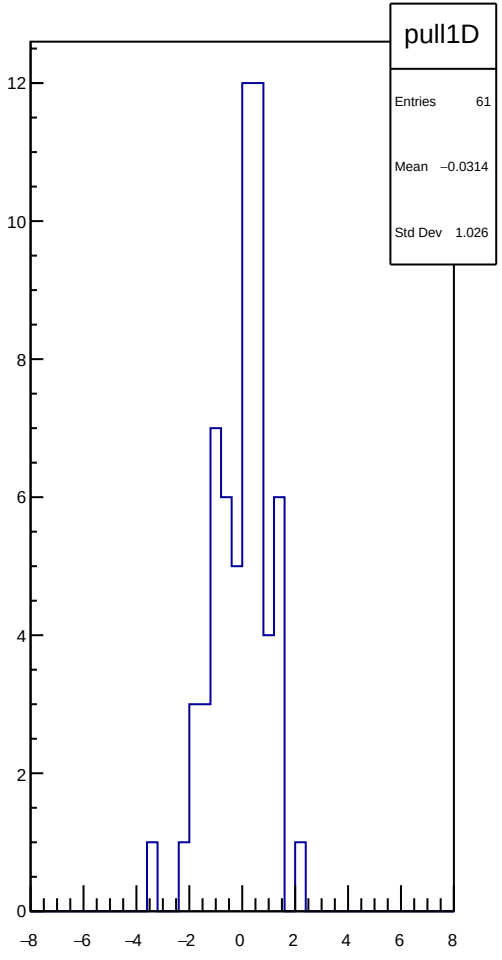

pull1D
Entries 61
Mean −0.006273
Std Dev 0.2945
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

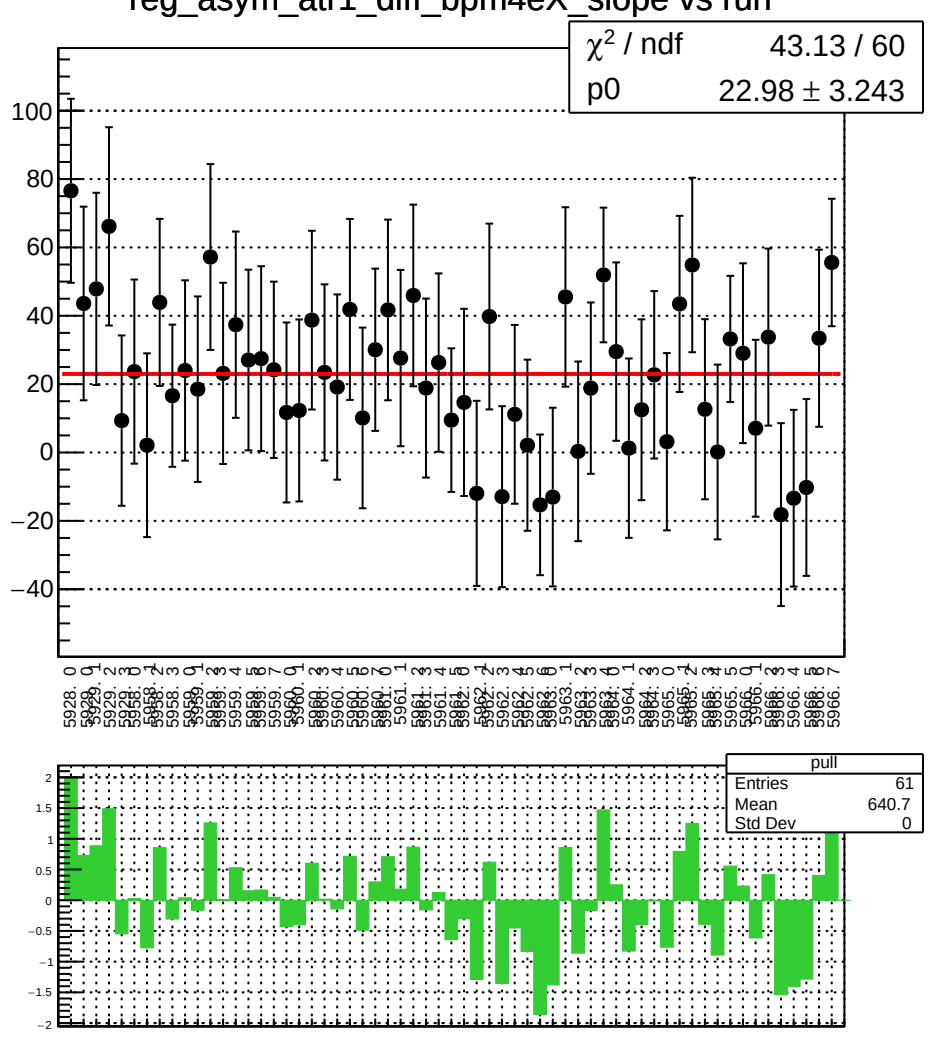

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 15.61 / 60
p0 −200.9 ± 0.5076
−195
−200
−205
−210
−215
pull
Entries 61
Mean −40.93
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 61
Mean −0.03827
Std Dev 0.5044
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

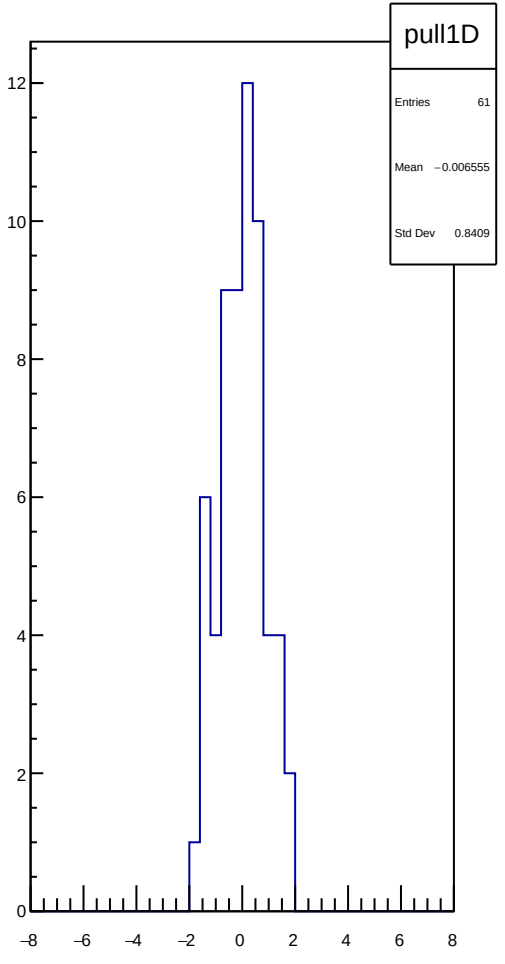

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 39.88 / 60
p0 −75.75 ± 3.145
pull
Entries 61
Mean 366.6
Std Dev 0

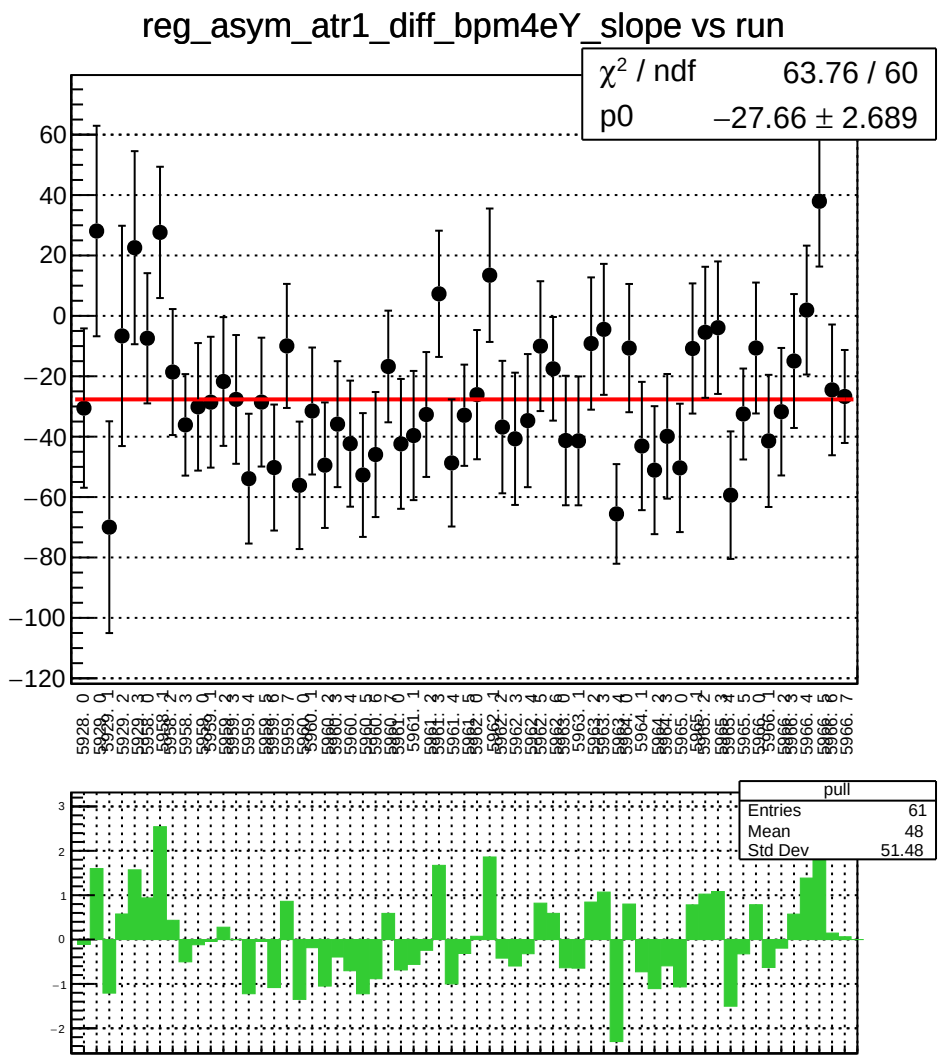

pull1D
Entries 61
Mean 0.00319
Std Dev 0.8085

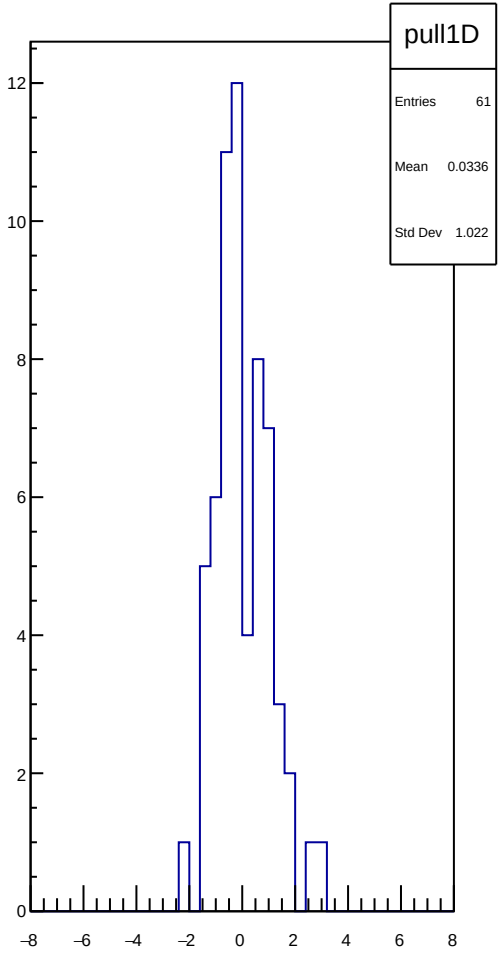

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 64.29 / 60
p0 18.33 ± 2.097
pull
Entries 61
Mean 78.77
Std Dev 28.55

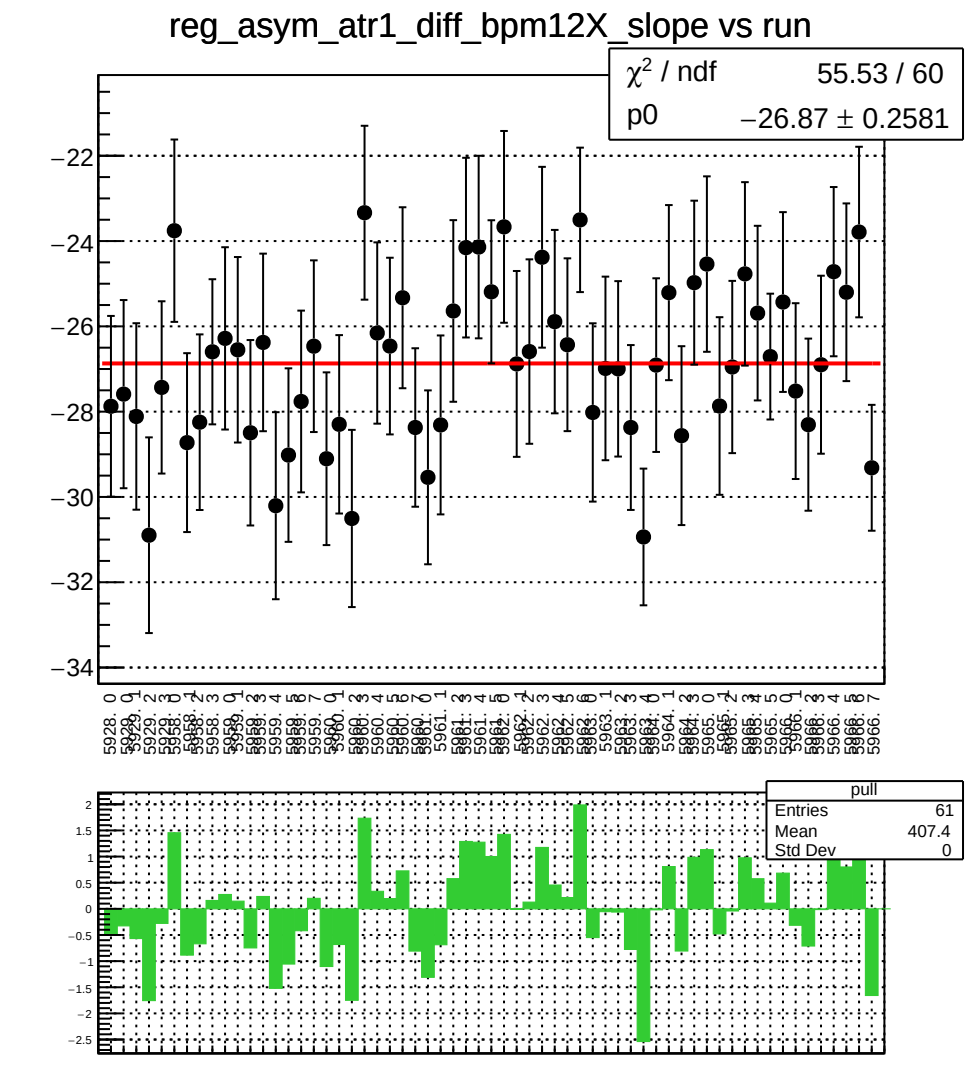

pull1D
Entries 61
Mean −0.0314
Std Dev 1.026

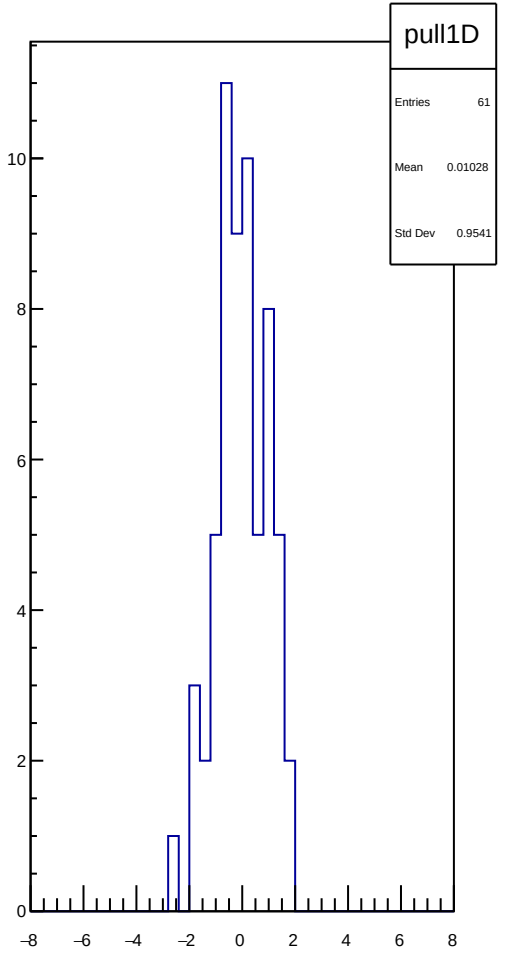

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 43.13 / 60
p0 22.98 ± 3.243
pull
Entries 61
Mean 640.7
Std Dev 0

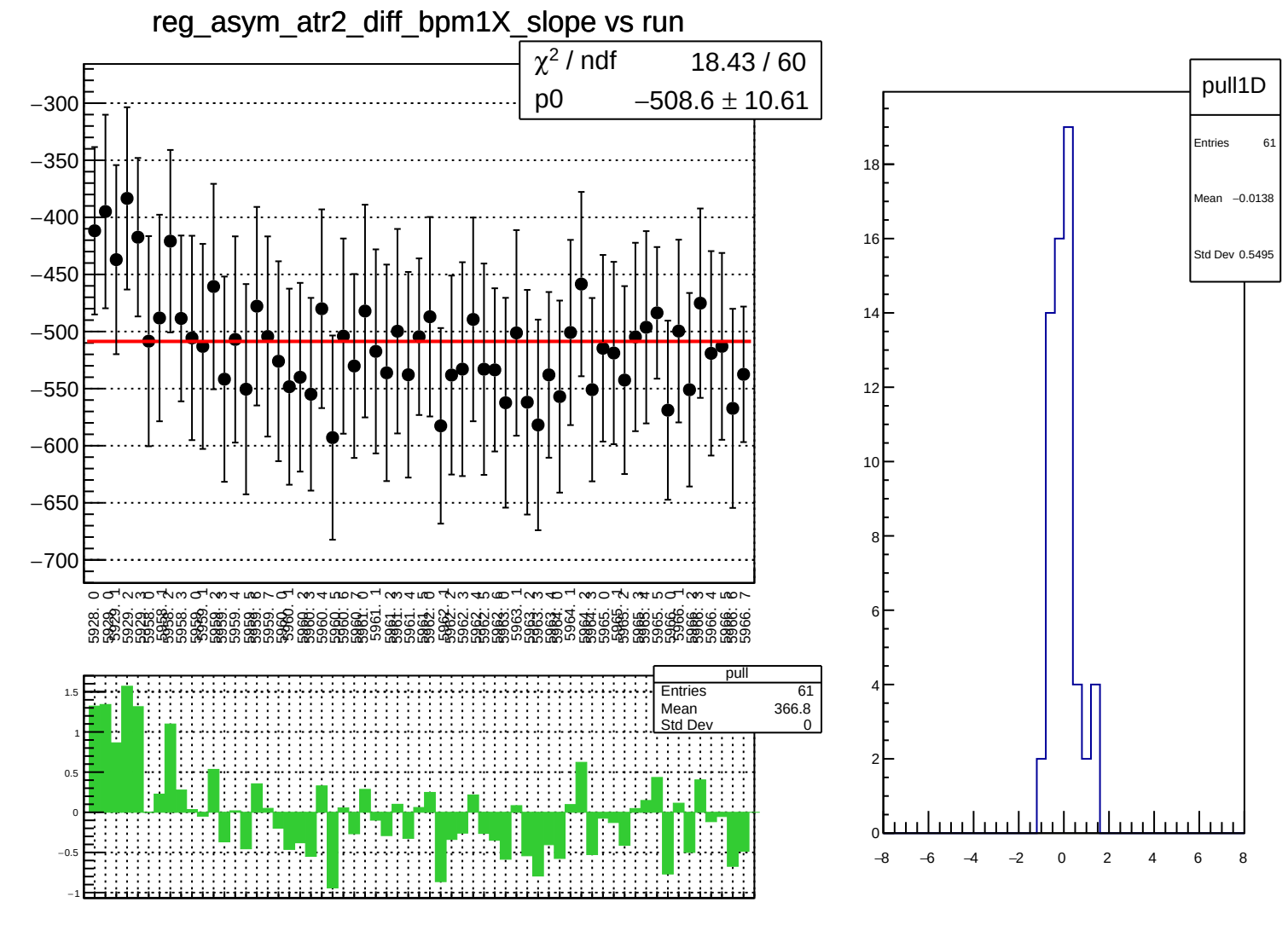

pull1D
Entries 61
Mean −0.006555
Std Dev 0.8409

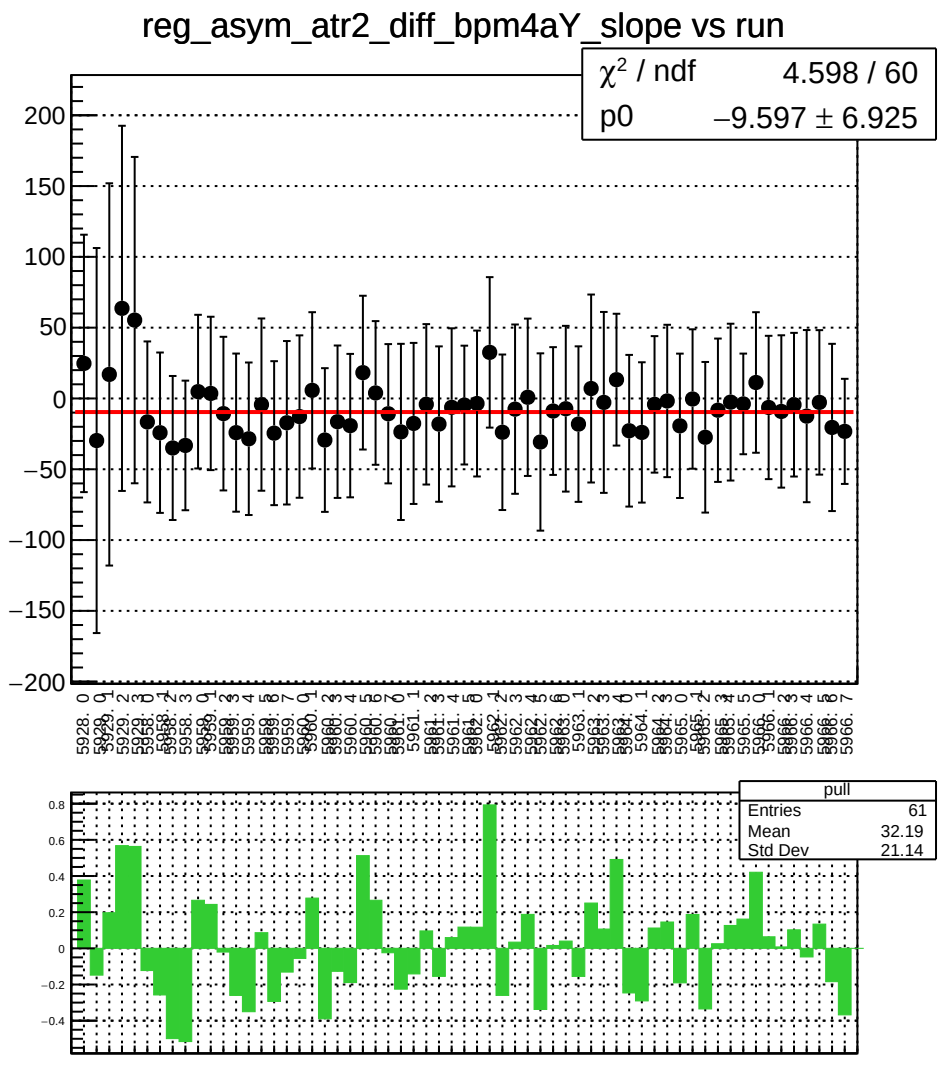

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 63.76 / 60
p0 −27.66 ± 2.689
pull
Entries 61
Mean 48
Std Dev 51.48

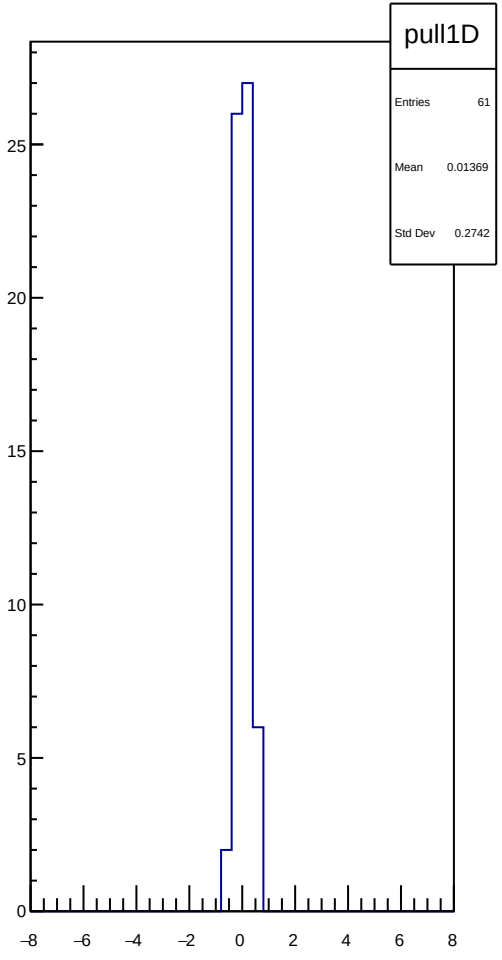

pull1D
Entries 61
Mean 0.0336
Std Dev 1.022

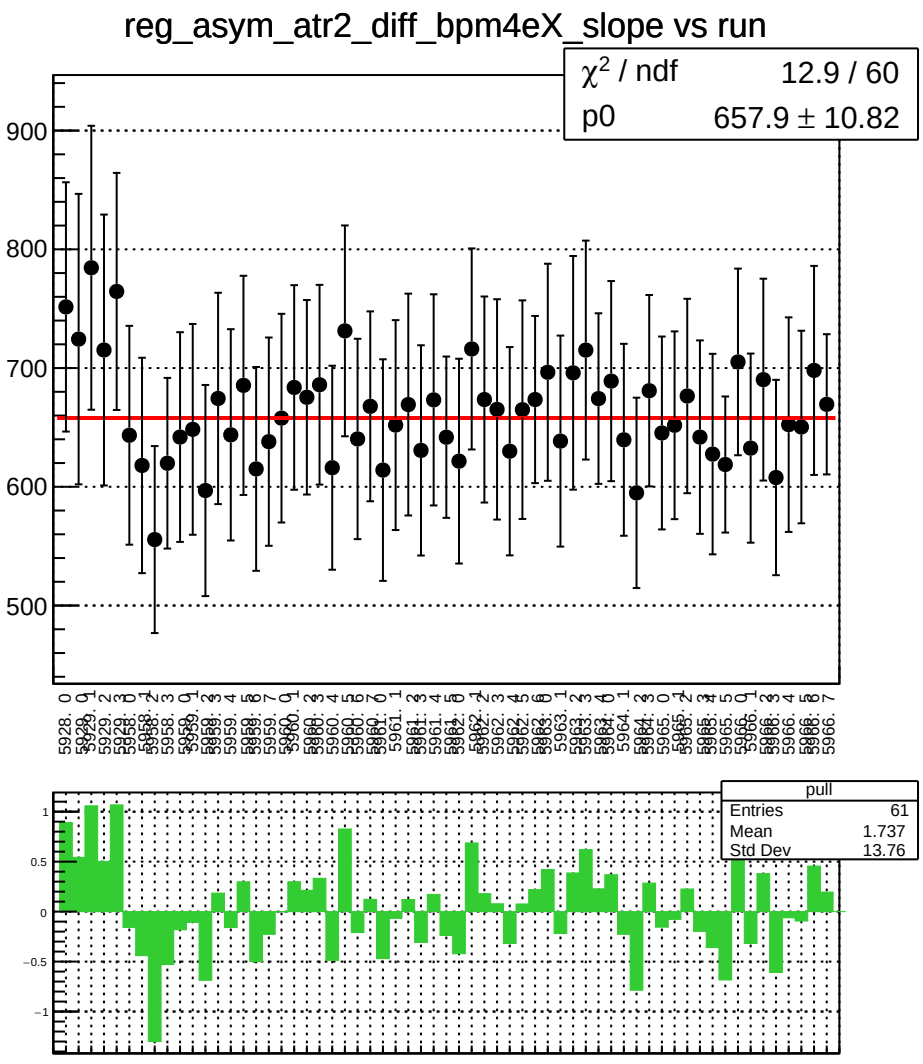

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 55.53 / 60
p0 −26.87 ± 0.2581
pull
Entries 61
Mean 407.4
Std Dev 0

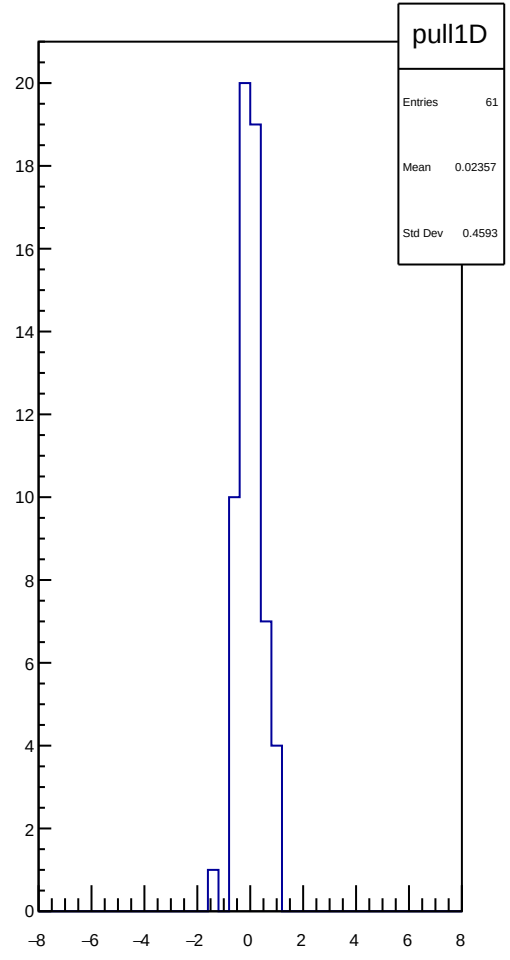

pull1D
Entries 61
Mean 0.01028
Std Dev 0.9541

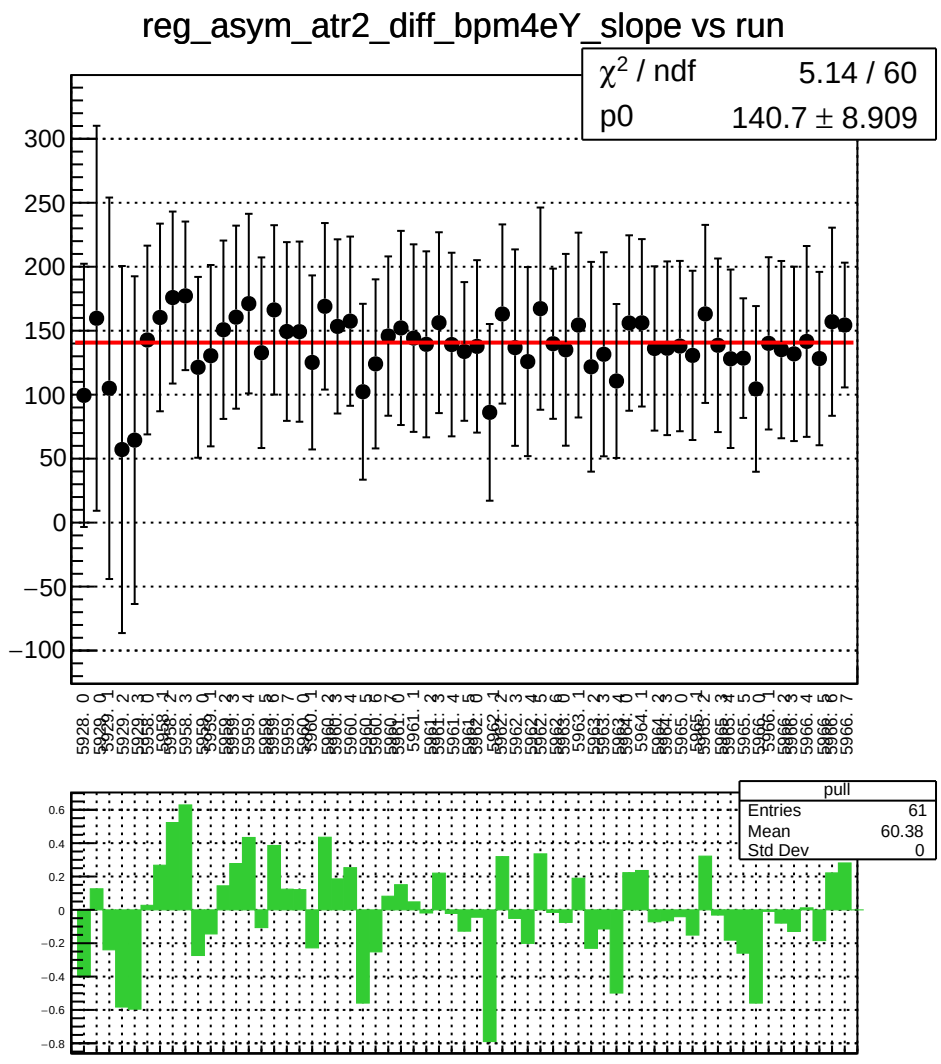

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 18.43 / 60
p0 −508.6 ± 10.61
pull
Entries 61
Mean 366.8
Std Dev 0
pull1D
Entries 61
Mean −0.0138
Std Dev 0.5495

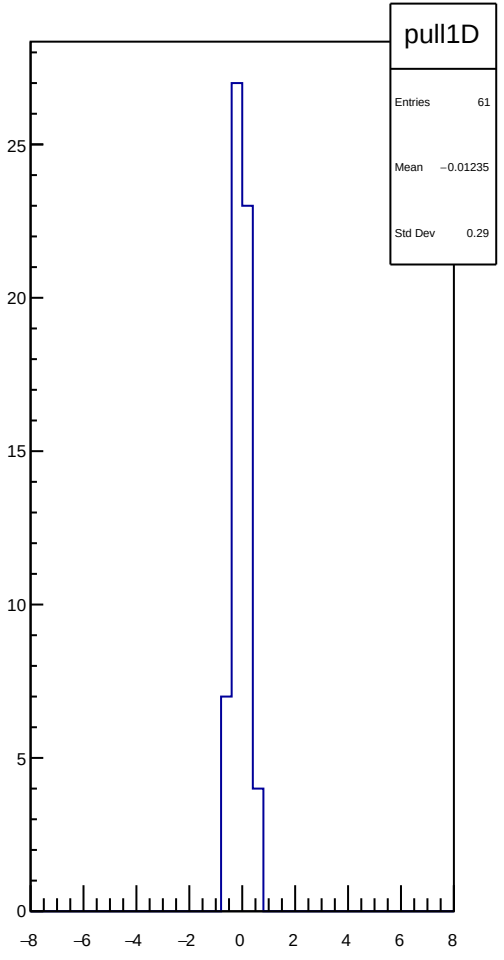

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.598 / 60
p0 −9.597 ± 6.925
pull
Entries 61
Mean 32.19
Std Dev 21.14

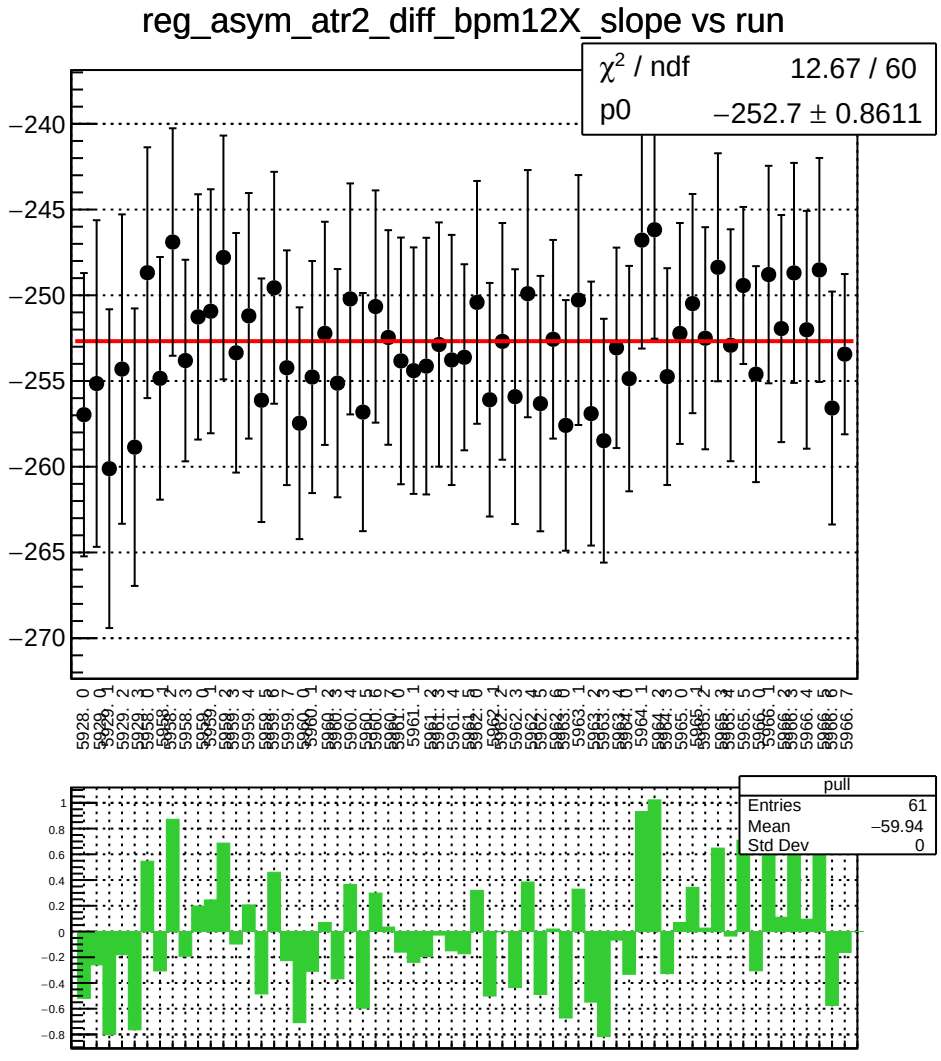

pull1D
Entries 61
Mean 0.01369
Std Dev 0.2742

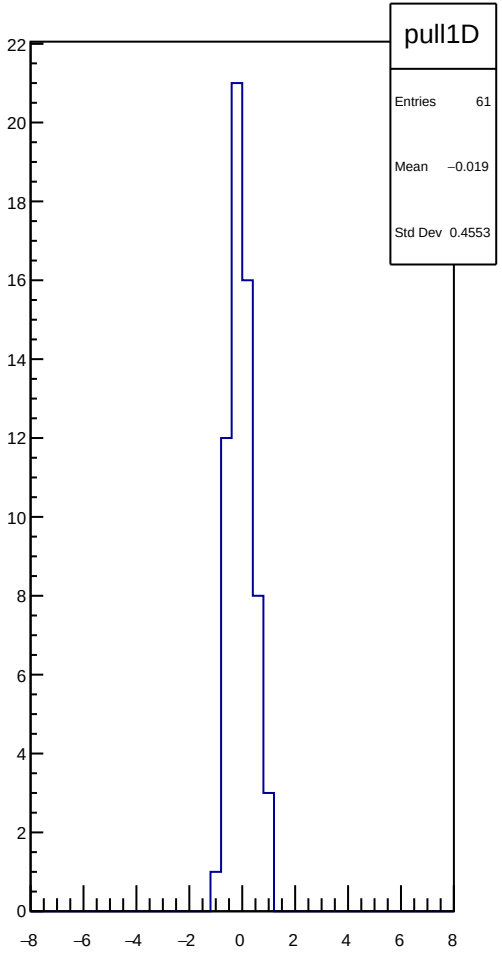

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.9 / 60
p0 657.9 ± 10.82
900
800
700
600
500
pull
Entries 61
Mean 1.737
Std Dev 13.76
1
0.5
0
−0.5
−1

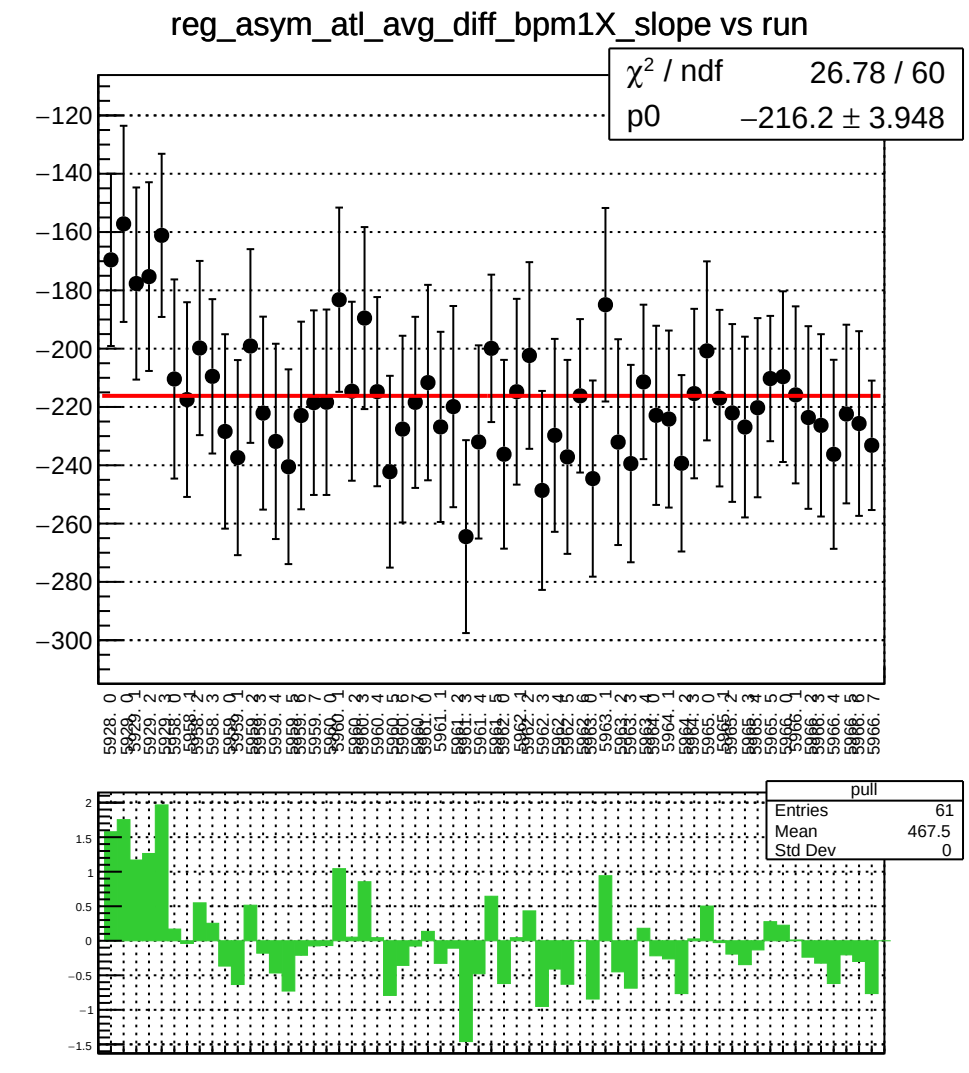

pull1D
Entries 61
Mean 0.02357
Std Dev 0.4593
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

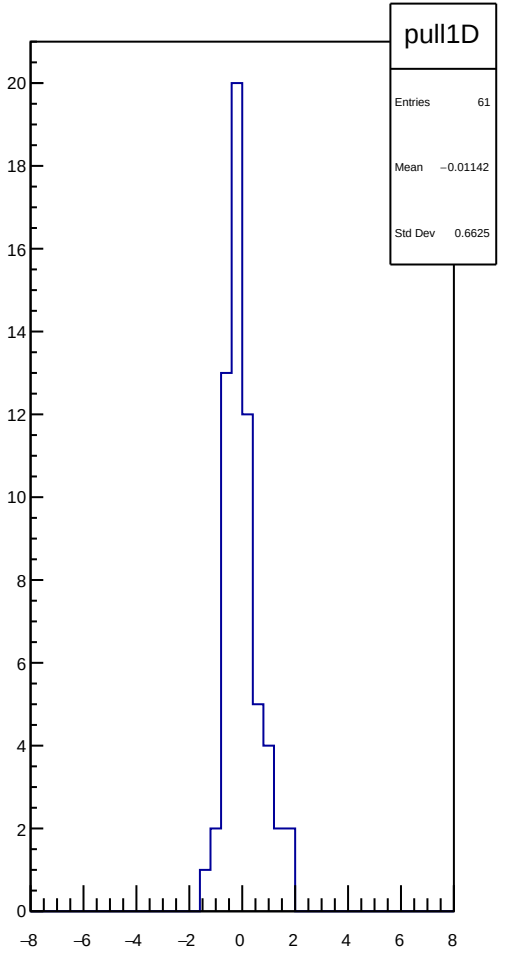

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 5.14 / 60
p0 140.7 ± 8.909
pull
Entries 61
Mean 60.38
Std Dev 0

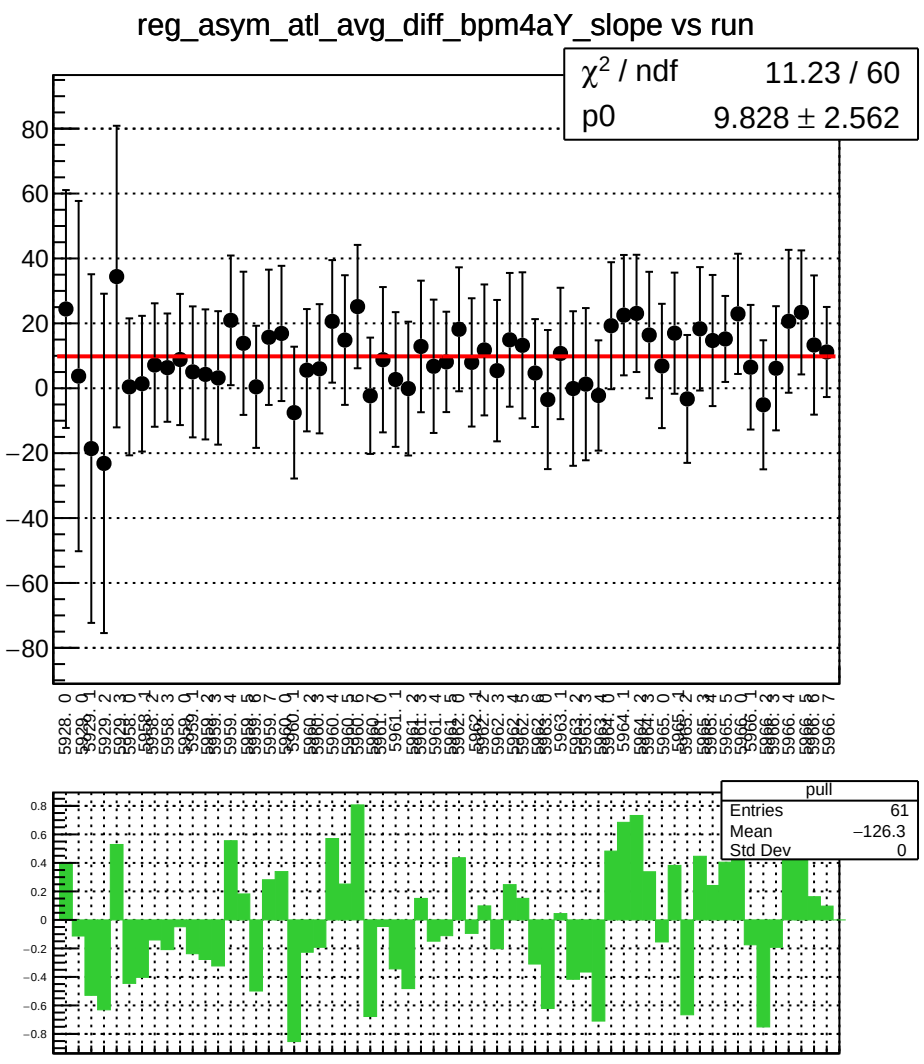

pull1D
Entries 61
Mean −0.01235
Std Dev 0.29

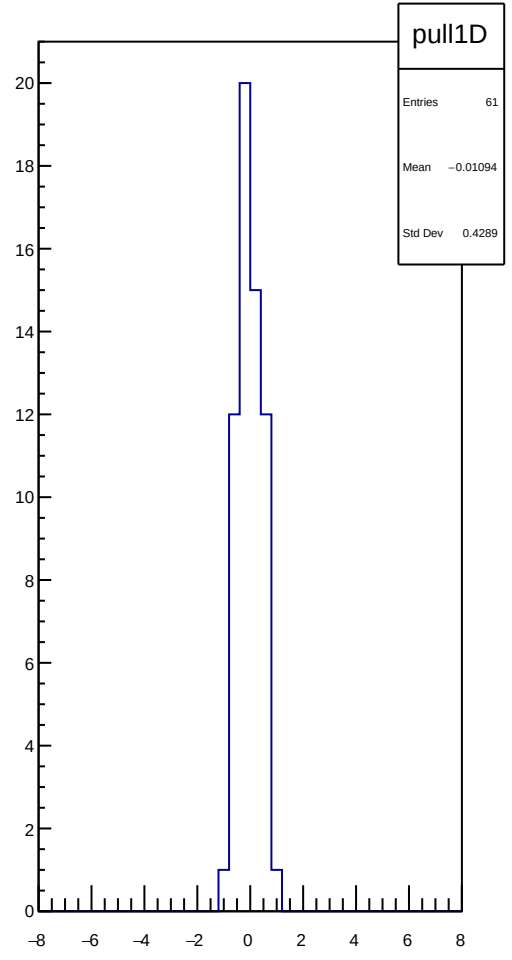

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 12.67 / 60
p0 −252.7 ± 0.8611
pull
Entries 61
Mean −59.94
Std Dev 0

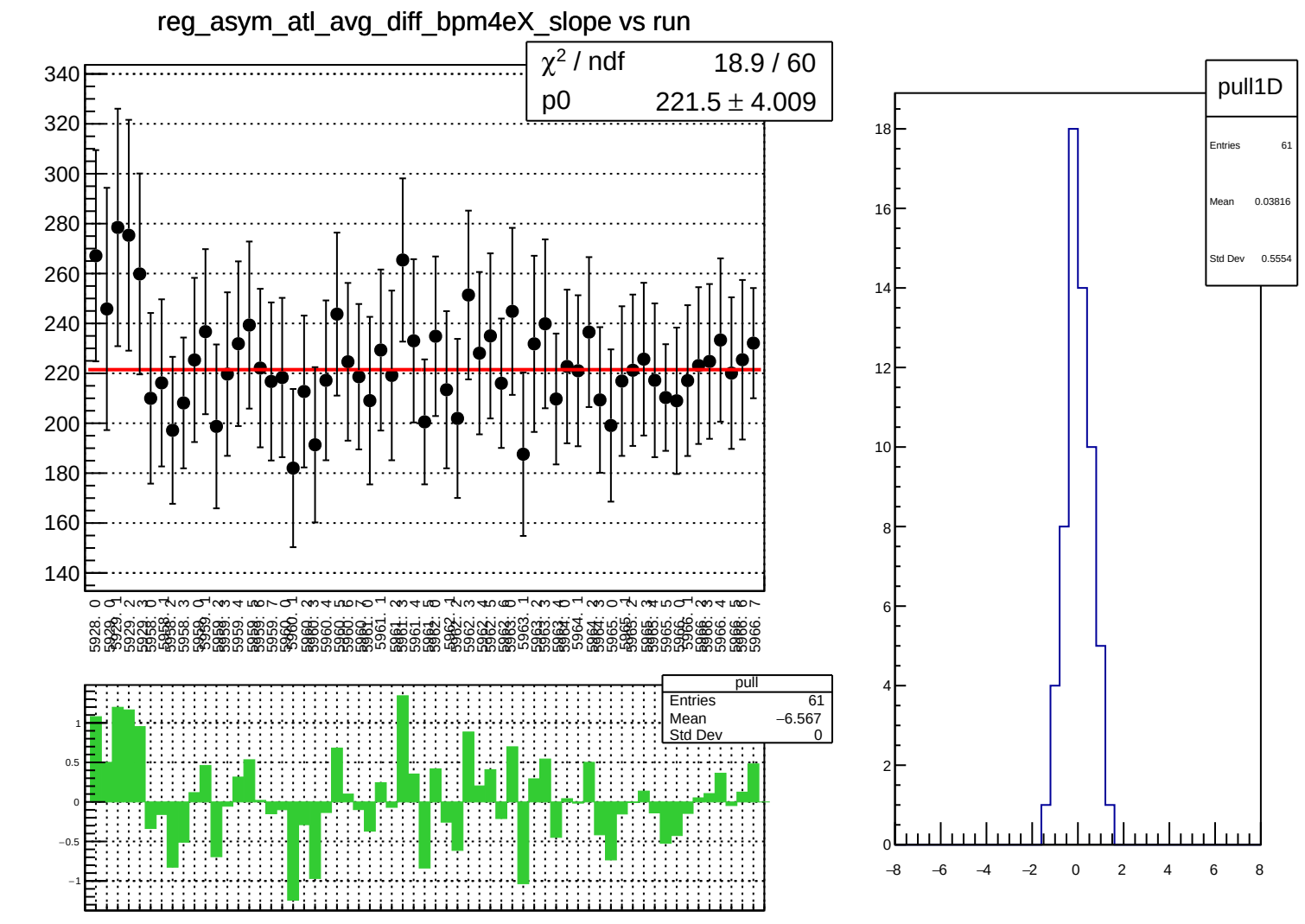

pull1D
Entries 61
Mean −0.019
Std Dev 0.4553

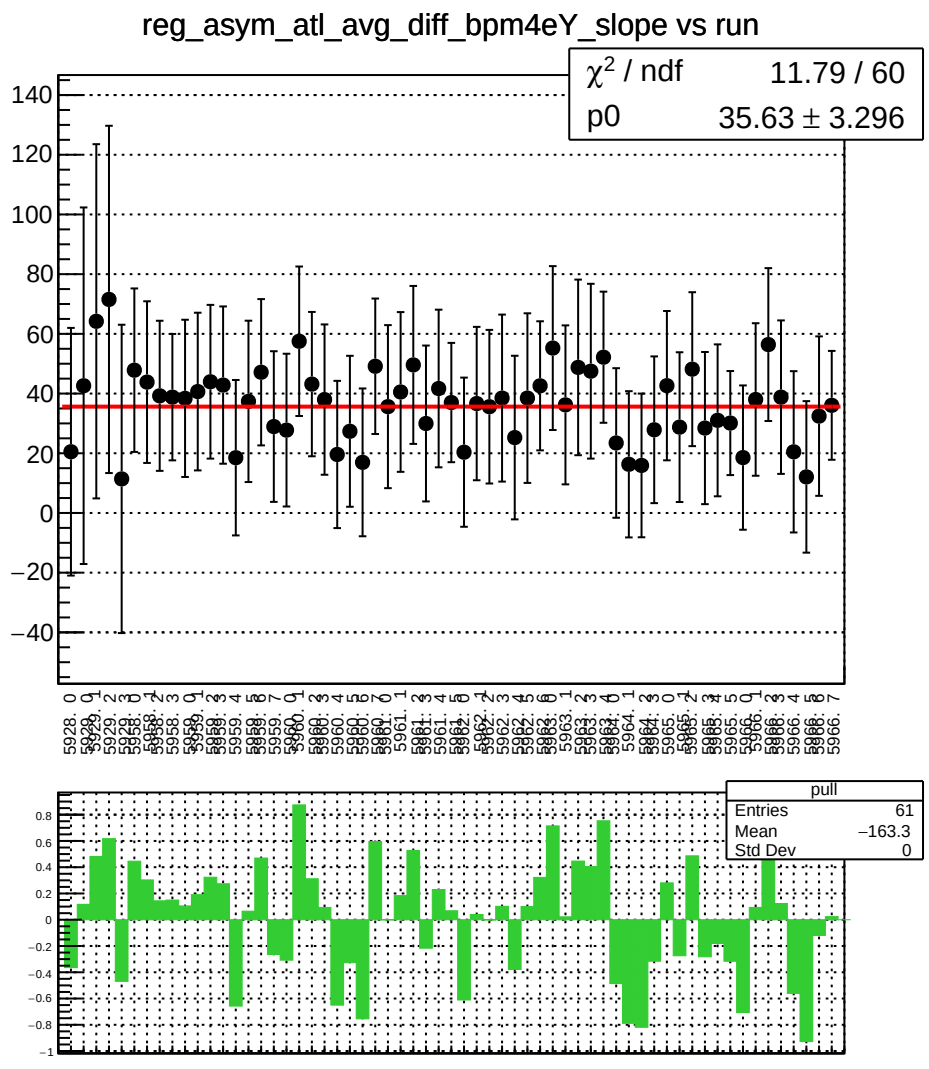

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 26.78 / 60
p0 −216.2 ± 3.948
pull
Entries 61
Mean 467.5
Std Dev 0

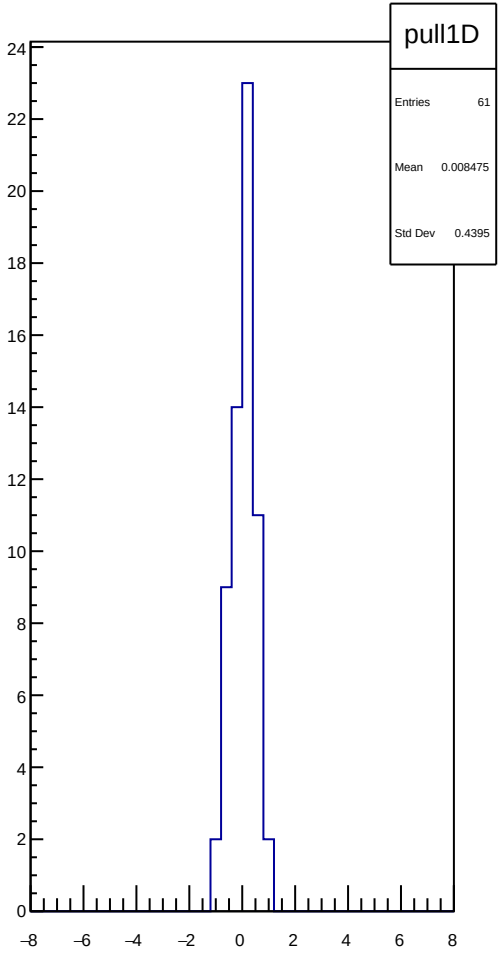

pull1D
Entries 61
Mean −0.01142
Std Dev 0.6625

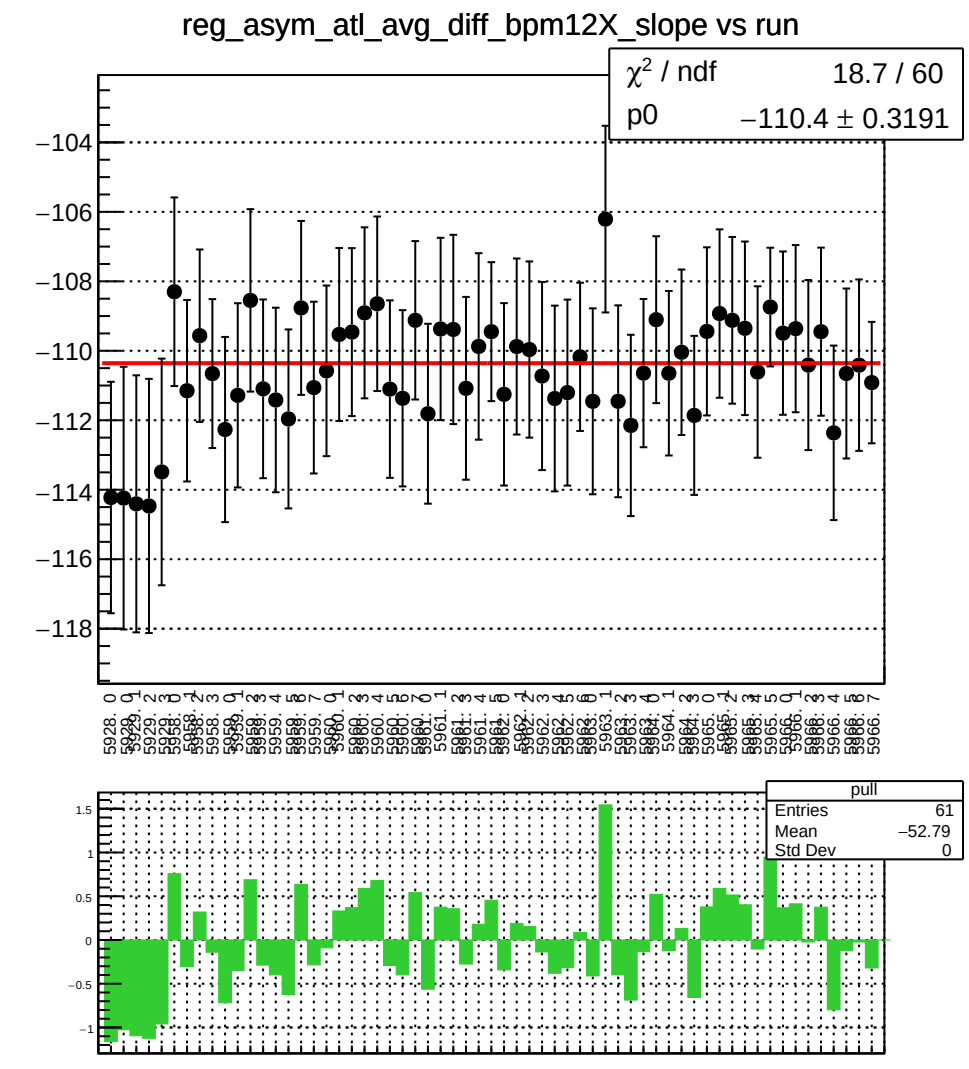

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.23 / 60
p0 9.828 ± 2.562
pull
Entries 61
Mean −126.3
Std Dev 0

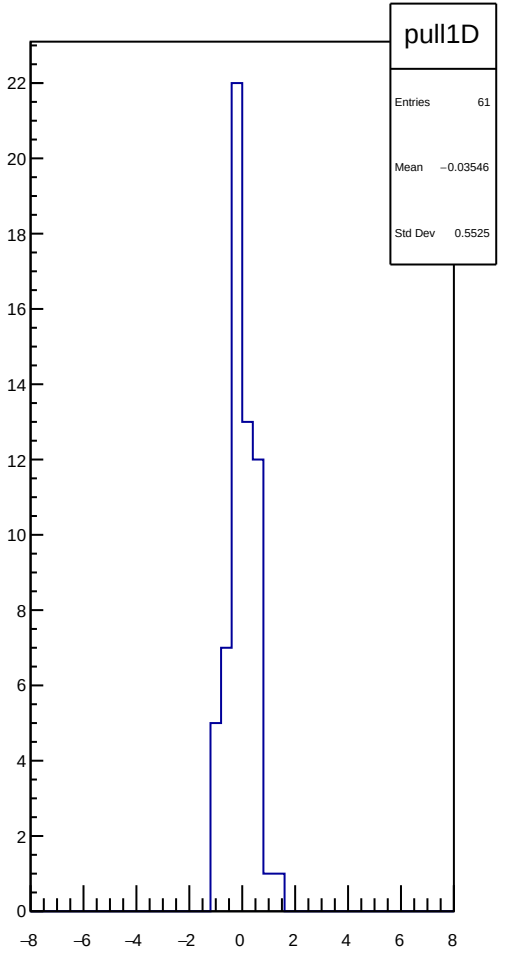

pull1D
Entries 61
Mean −0.01094
Std Dev 0.4289

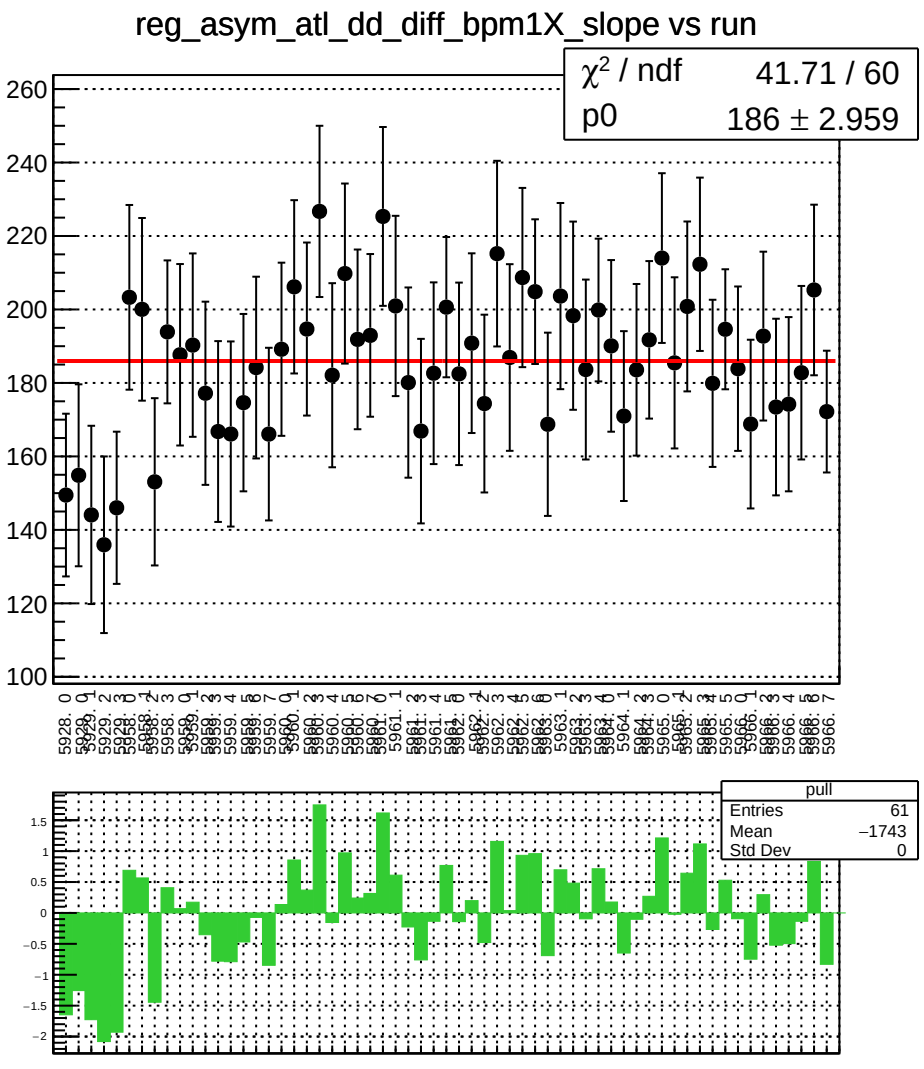

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.9 / 60
p0 221.5 ± 4.009
pull
Entries 61
Mean −6.567
Std Dev 0
pull1D
Entries 61
Mean 0.03816
Std Dev 0.5554

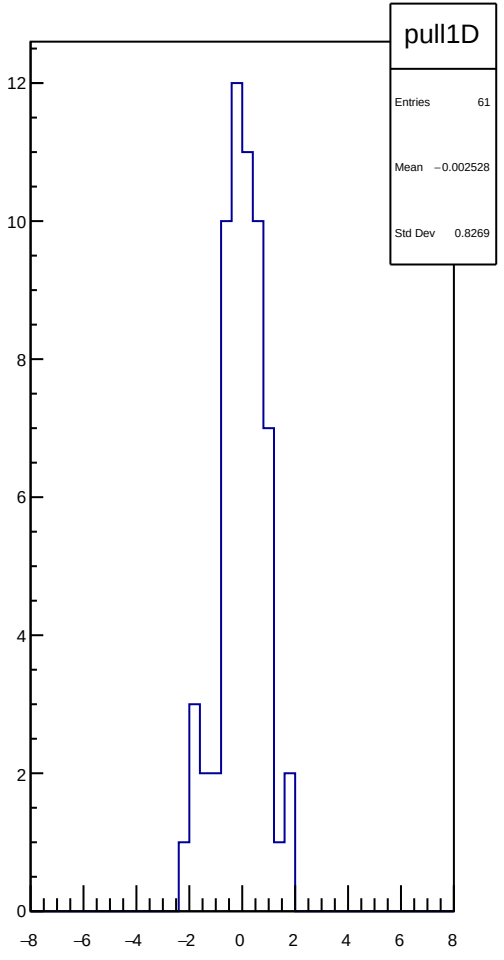

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.79 / 60
p0 35.63 ± 3.296
pull
Entries 61
Mean −163.3
Std Dev 0

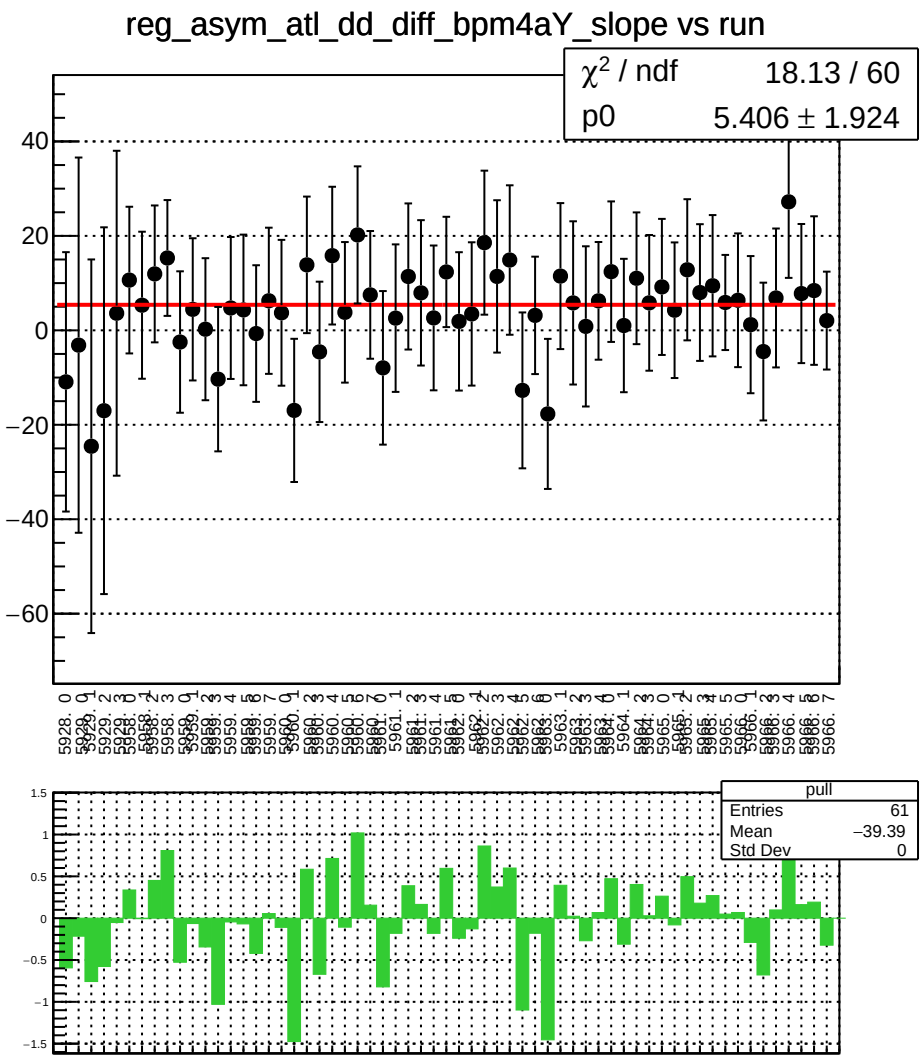

pull1D
Entries 61
Mean 0.008475
Std Dev 0.4395

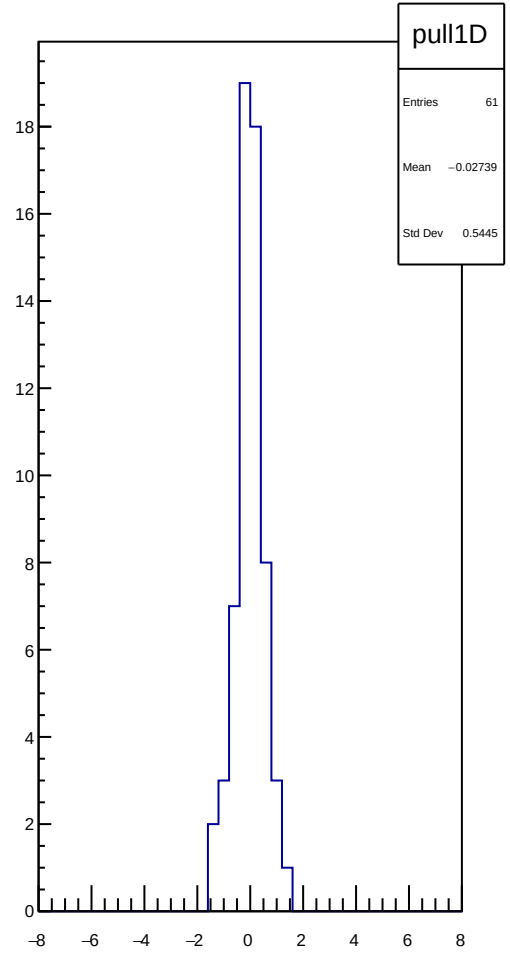

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 18.7 / 60
p0 −110.4 ± 0.3191
pull
Entries 61
Mean −52.79
Std Dev 0

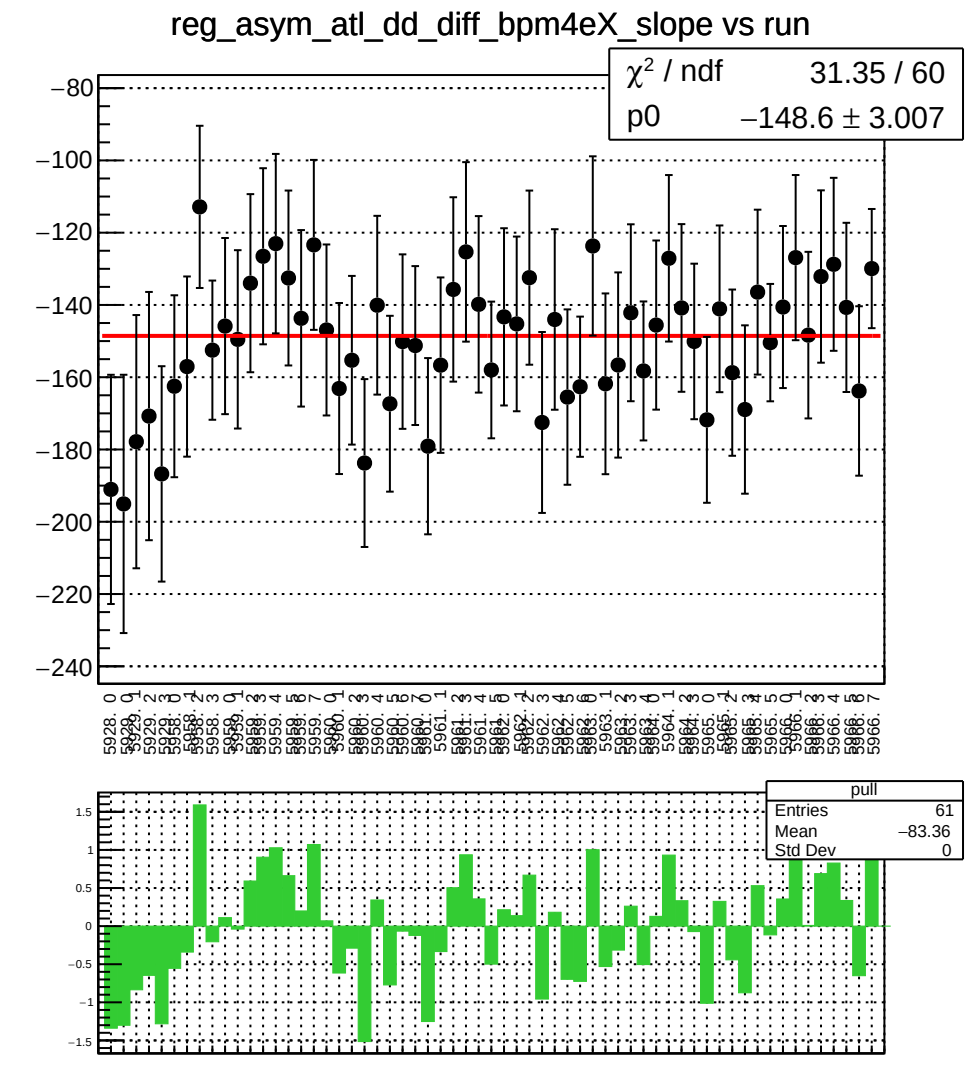

pull1D
Entries 61
Mean −0.03546
Std Dev 0.5525

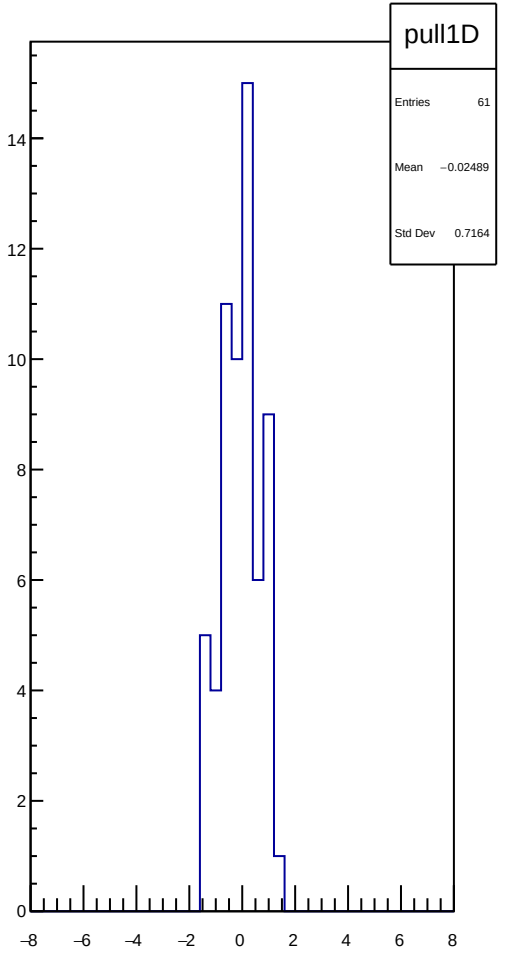

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 41.71 / 60
p0 186 ± 2.959
pull
Entries 61
Mean −1743
Std Dev 0

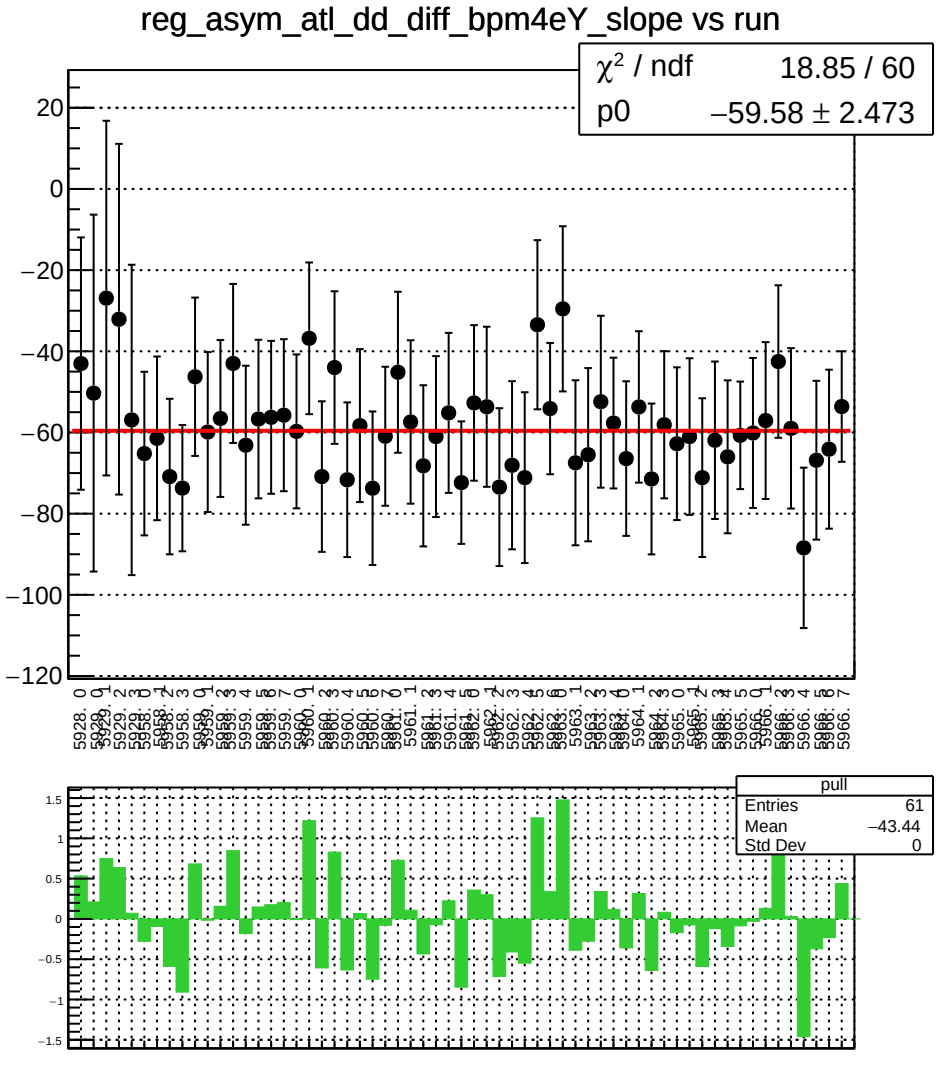

pull1D
Entries 61
Mean −0.002528
Std Dev 0.8269

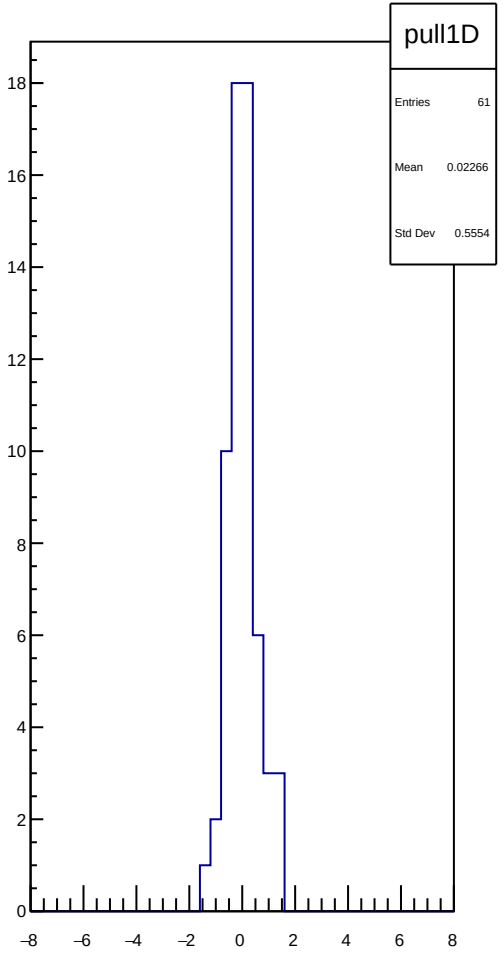

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.13 / 60
p0 5.406 ± 1.924
pull
Entries 61
Mean −39.39
Std Dev 0

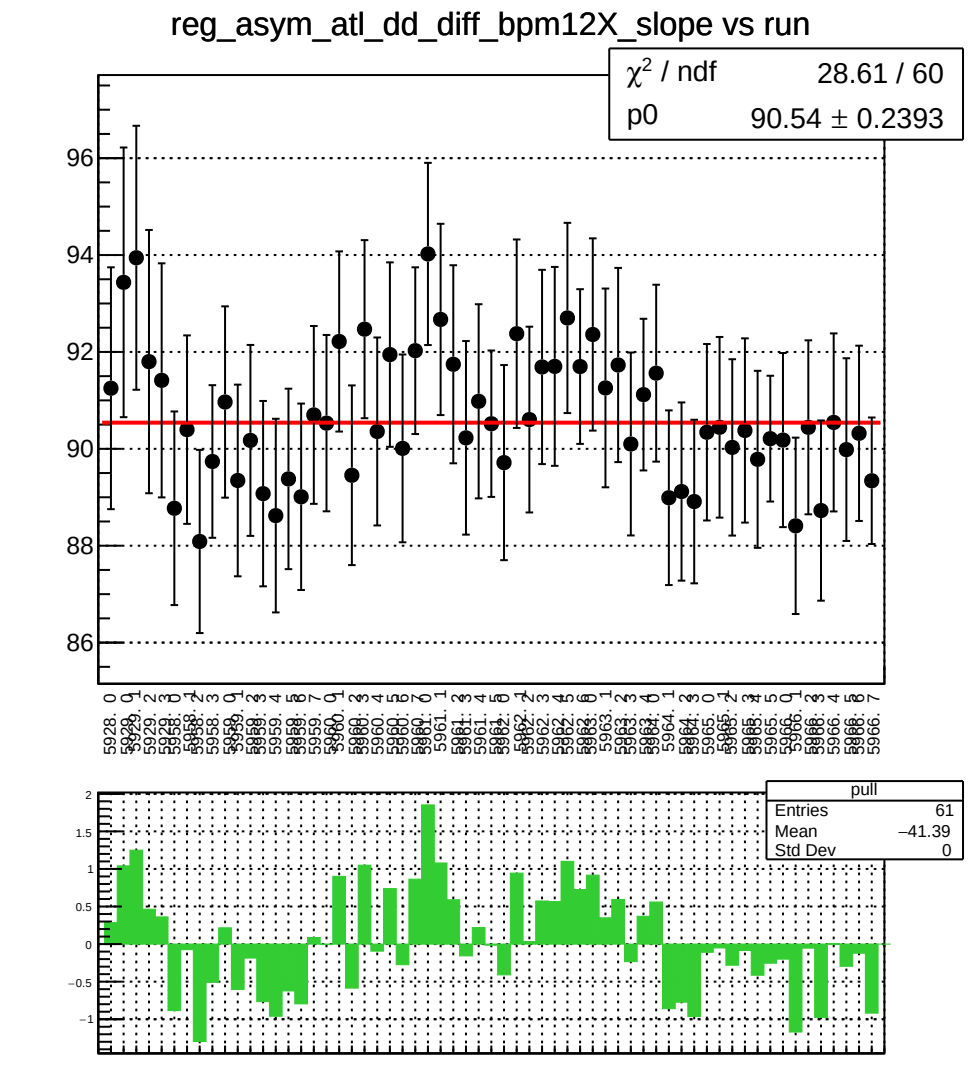

pull1D
Entries 61
Mean −0.02739
Std Dev 0.5445

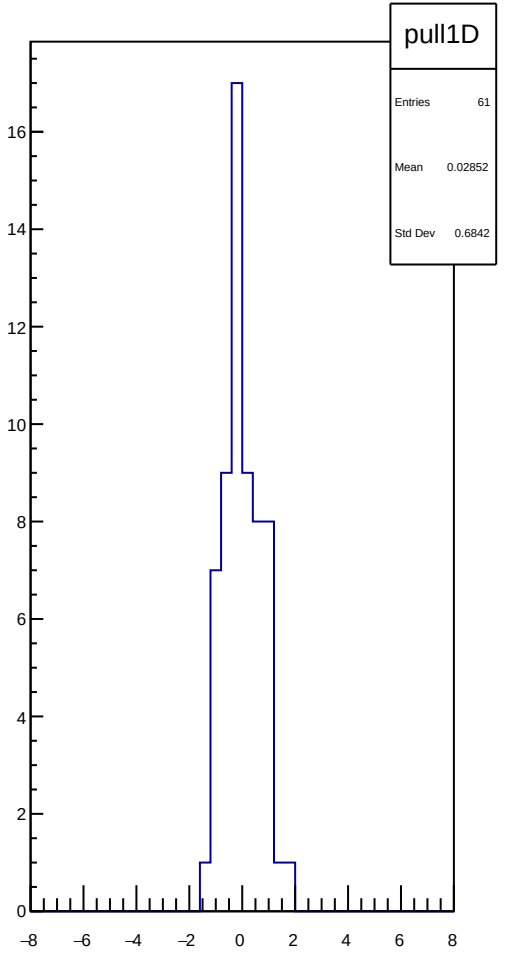

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.35 / 60
p0 −148.6 ± 3.007
pull
Entries 61
Mean −83.36
Std Dev 0

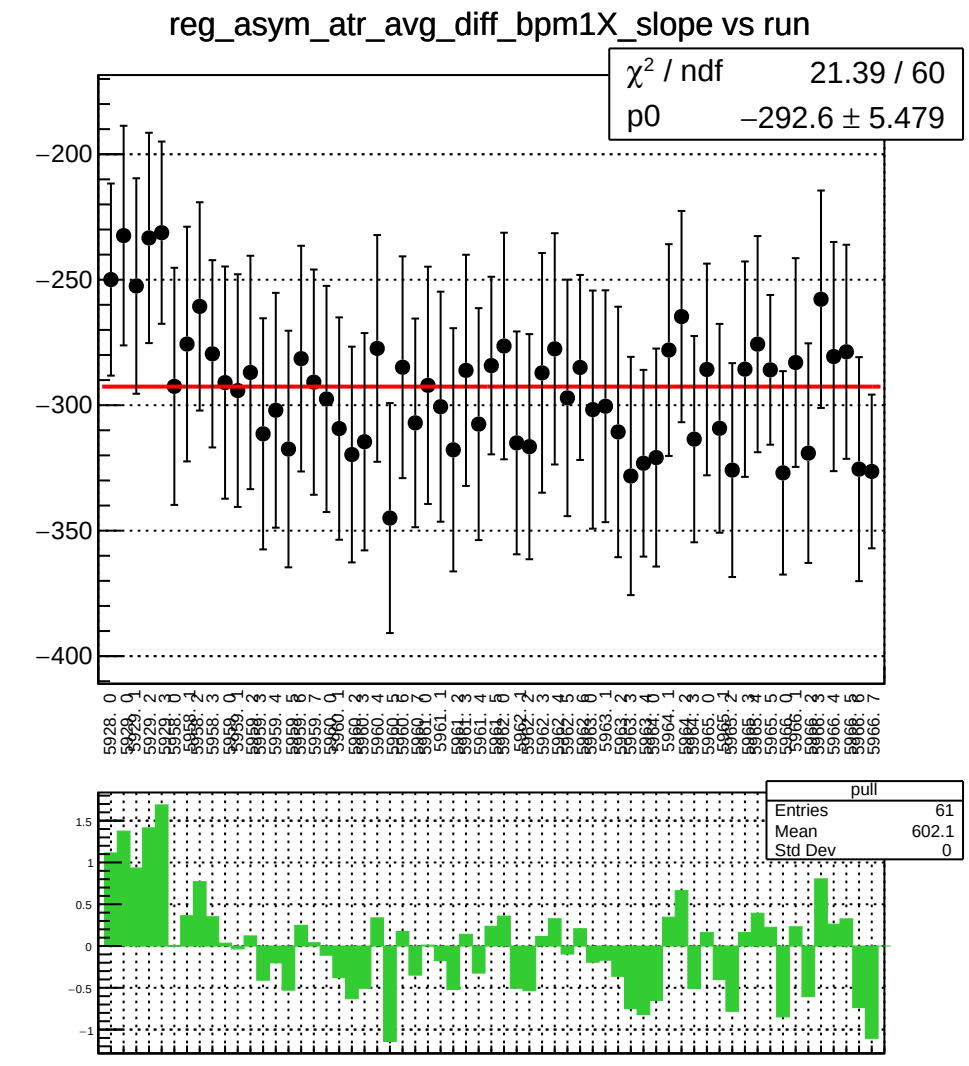

pull1D
Entries 61
Mean −0.02489
Std Dev 0.7164

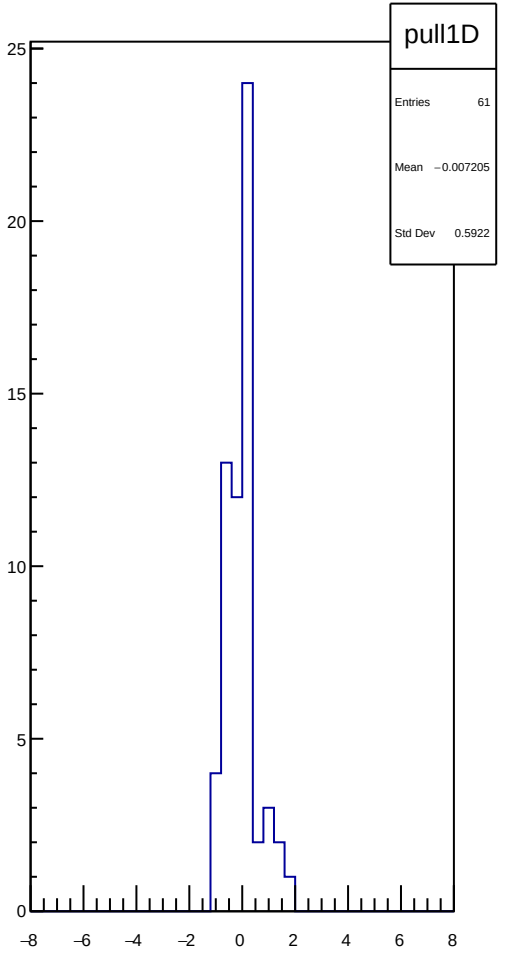

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.85 / 60
p0 −59.58 ± 2.473
pull
Entries 61
Mean −43.44
Std Dev 0

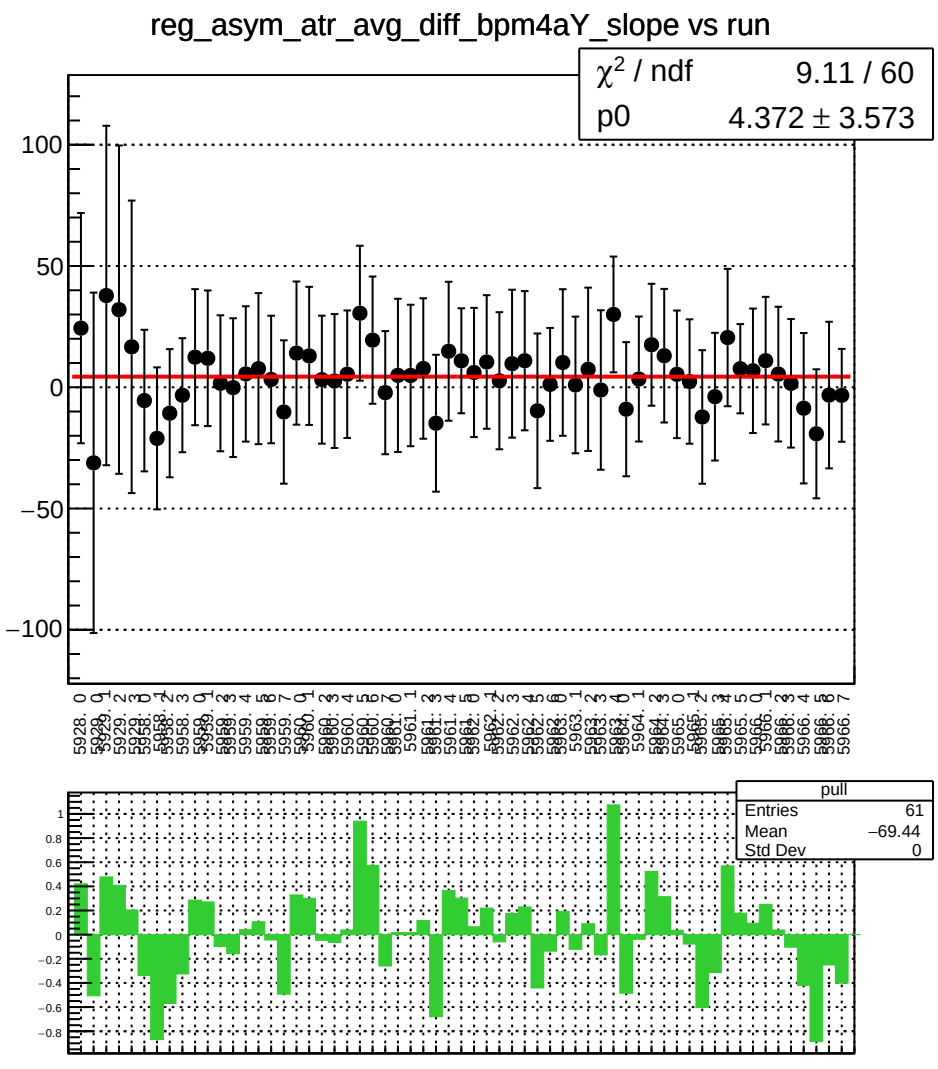

pull1D
Entries 61
Mean 0.02266
Std Dev 0.5554

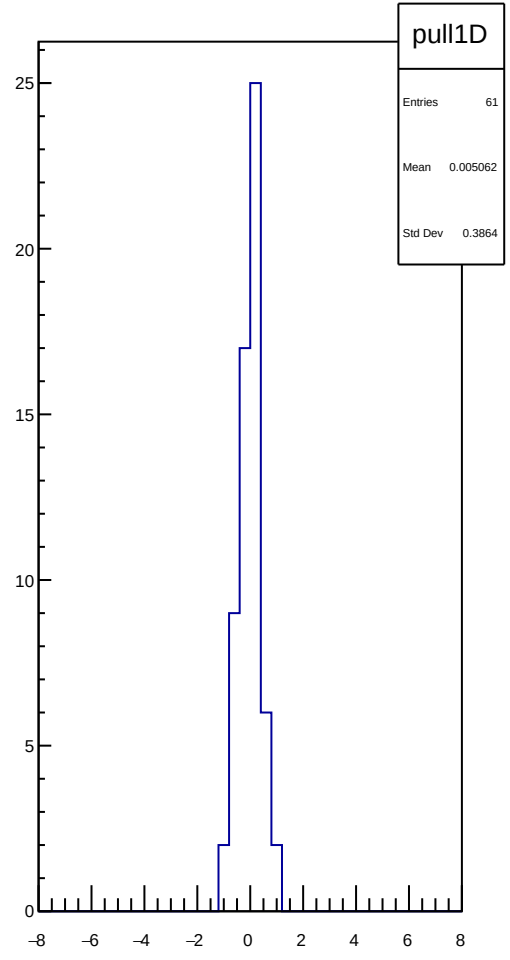

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 28.61 / 60
p0 90.54 ± 0.2393
pull
Entries 61
Mean −41.39
Std Dev 0

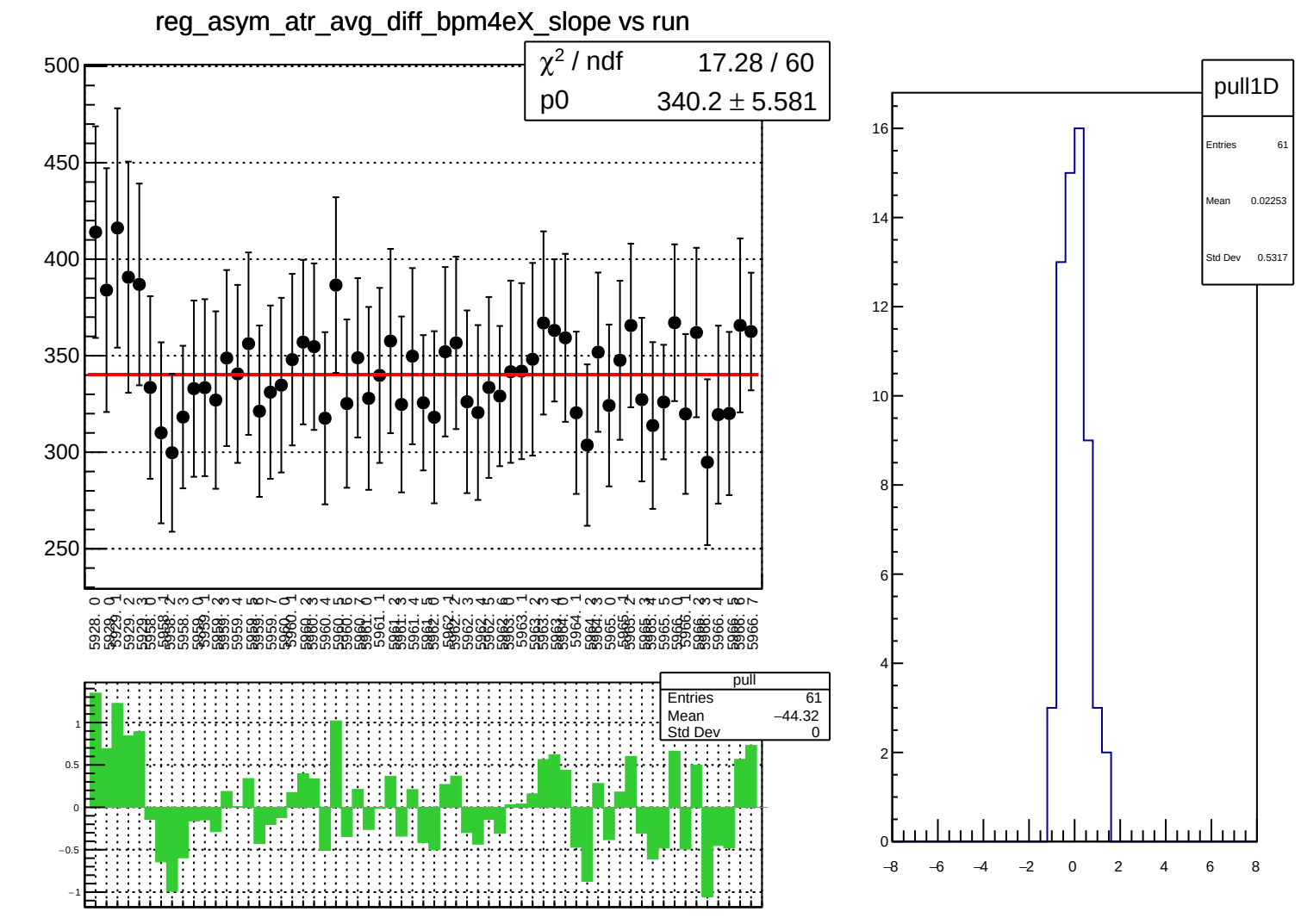

pull1D
Entries 61
Mean 0.02852
Std Dev 0.6842

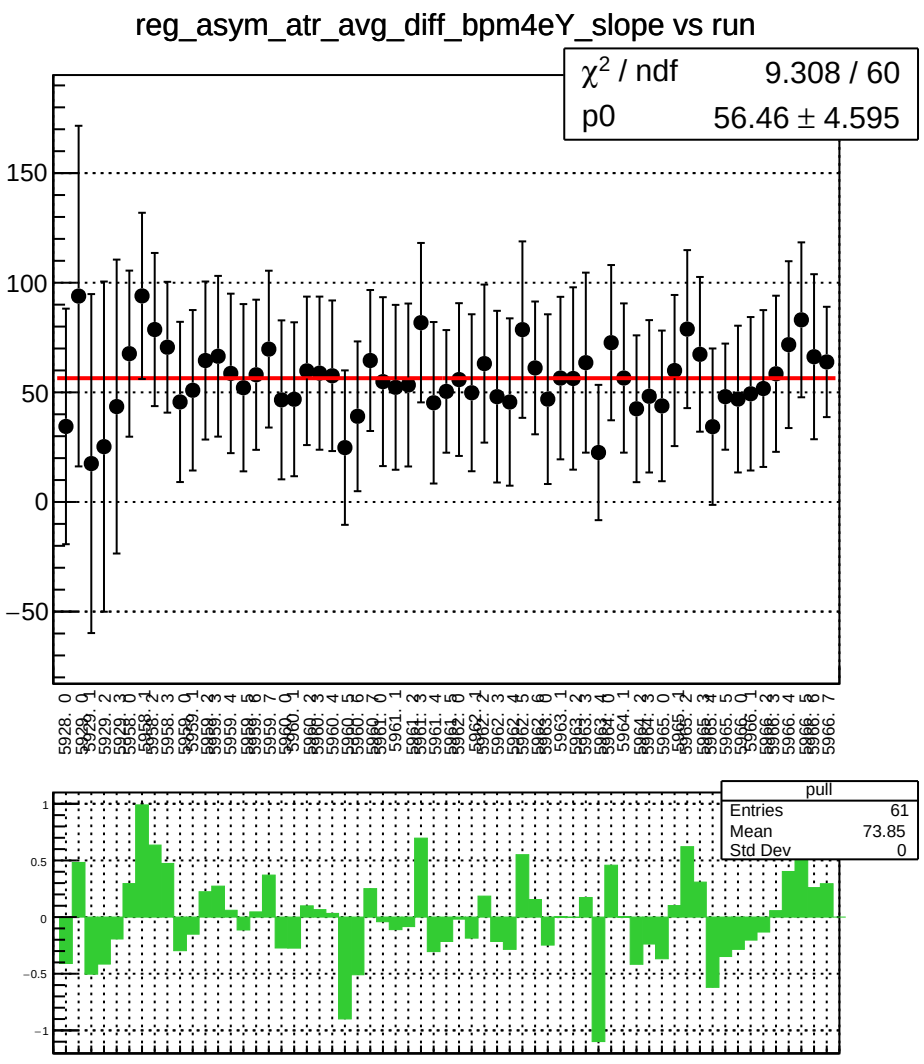

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 21.39 / 60
p0 −292.6 ± 5.479
pull
Entries 61
Mean 602.1
Std Dev 0

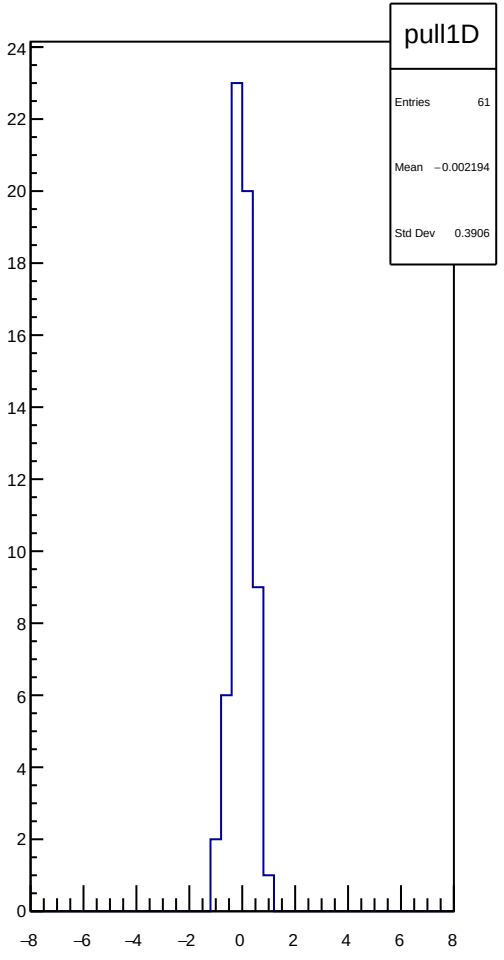

pull1D
Entries 61
Mean −0.007205
Std Dev 0.5922

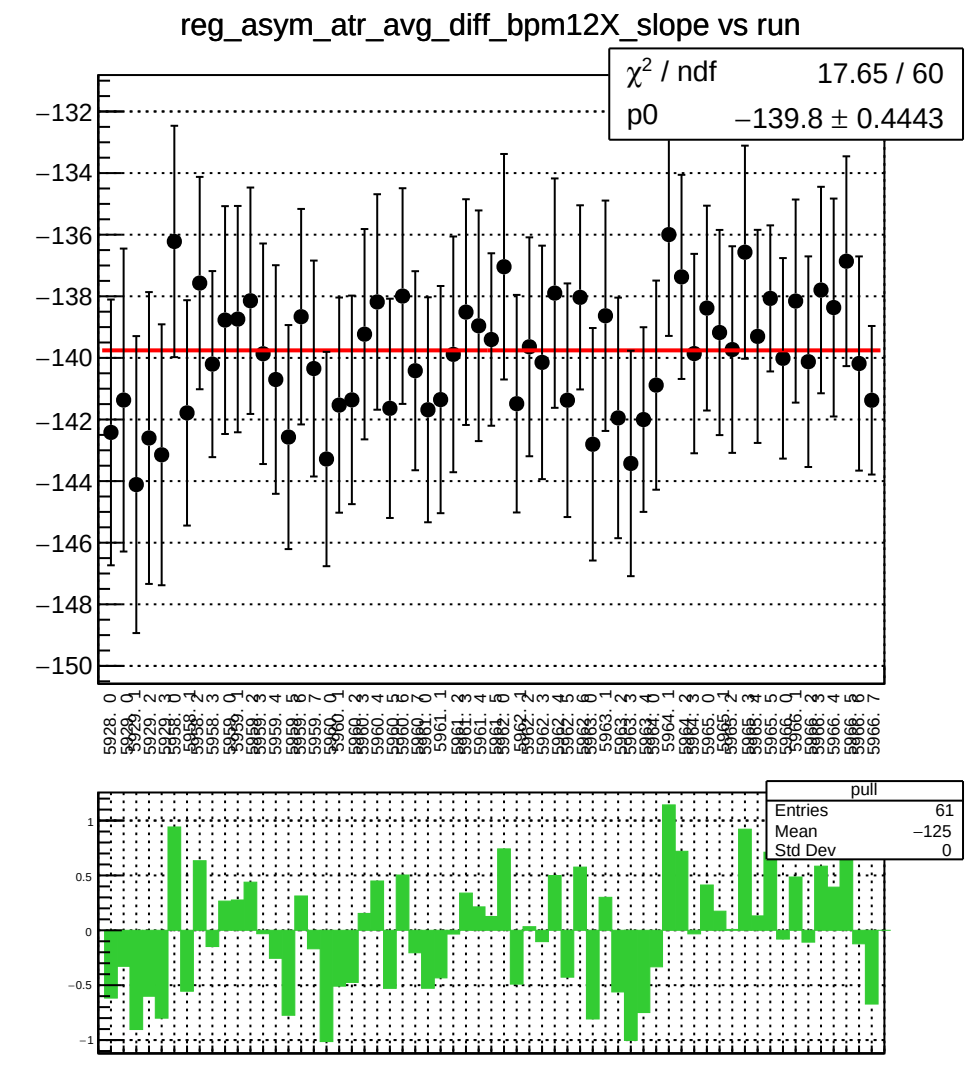

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.11 / 60
p0 4.372 ± 3.573
pull
Entries 61
Mean −69.44
Std Dev 0

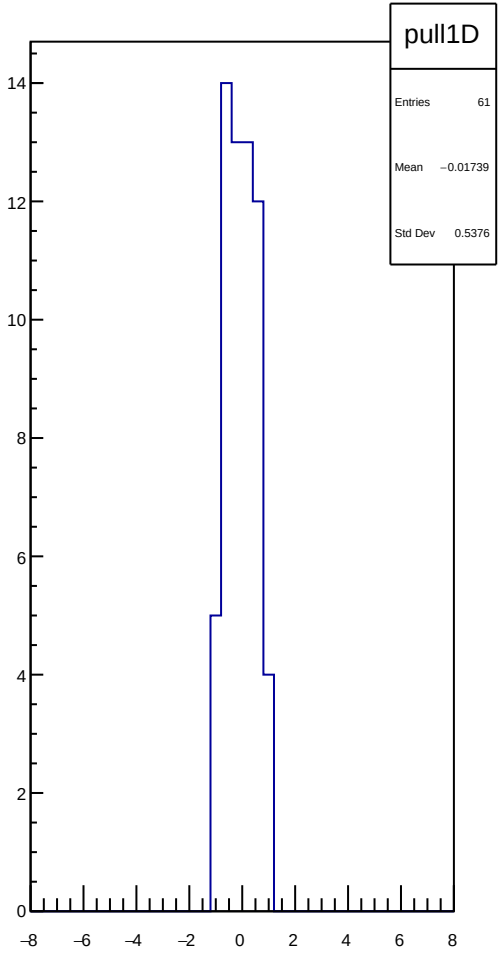

pull1D
Entries 61
Mean 0.005062
Std Dev 0.3864

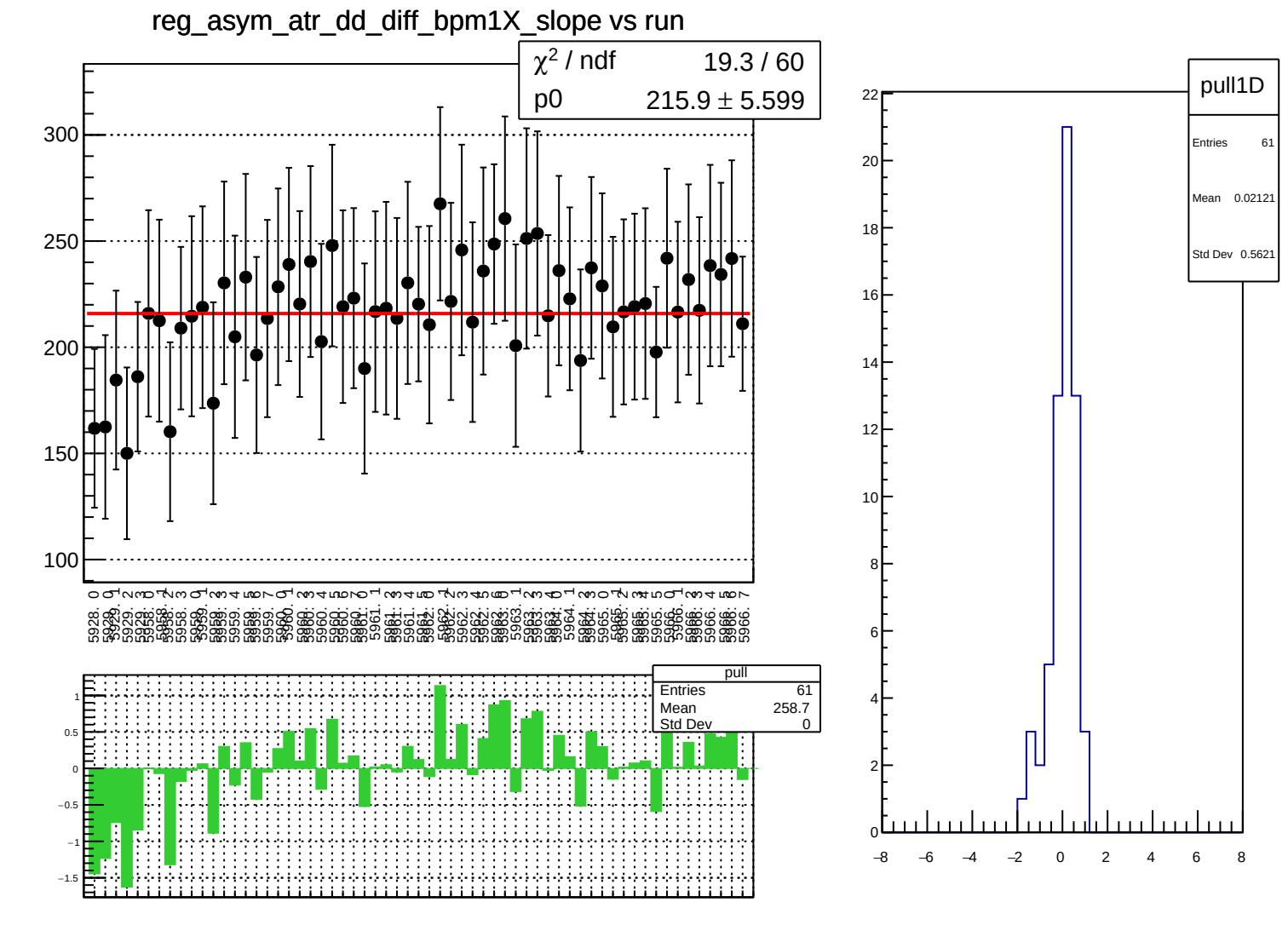

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.28 / 60
p0 340.2 ± 5.581
pull
Entries 61
Mean −44.32
Std Dev 0
pull1D
Entries 61
Mean 0.02253
Std Dev 0.5317

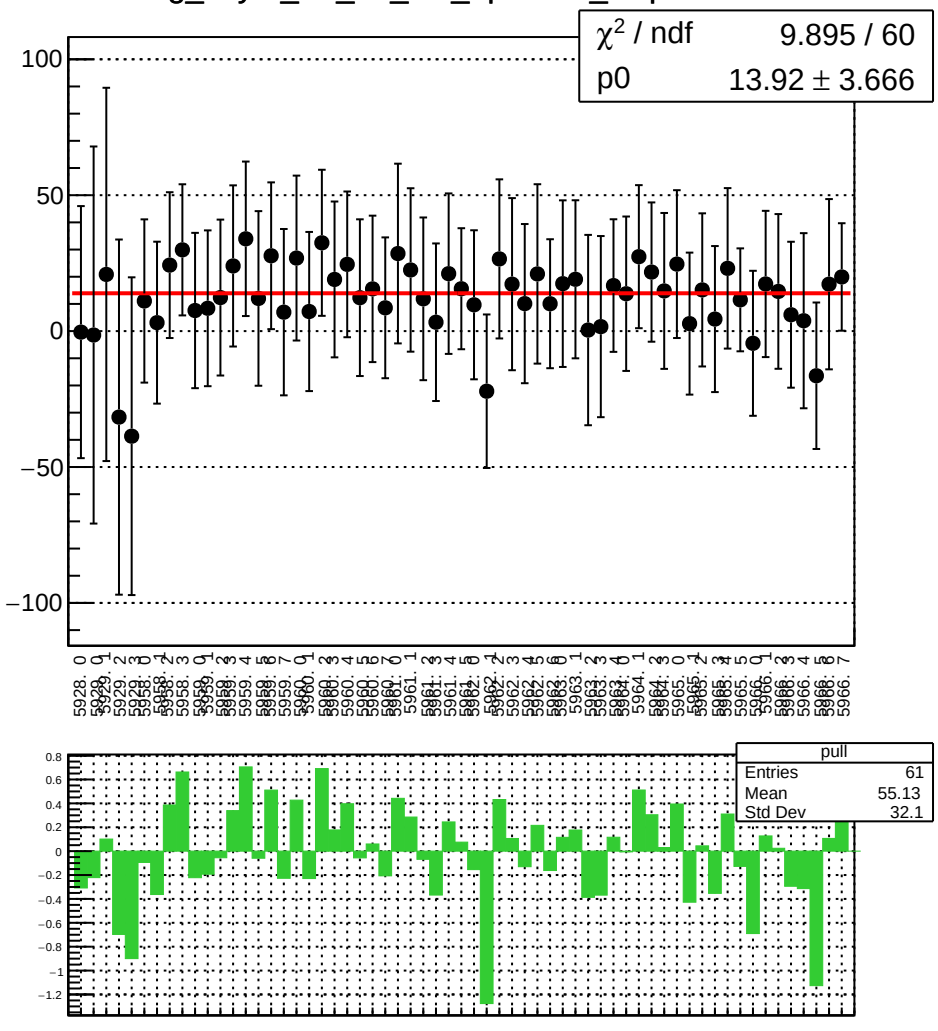

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.308 / 60
p0 56.46 ± 4.595
150
100
50
0
−50
pull
Entries 61
Mean 73.85
Std Dev 0
1
0.5
0
−0.5
−1

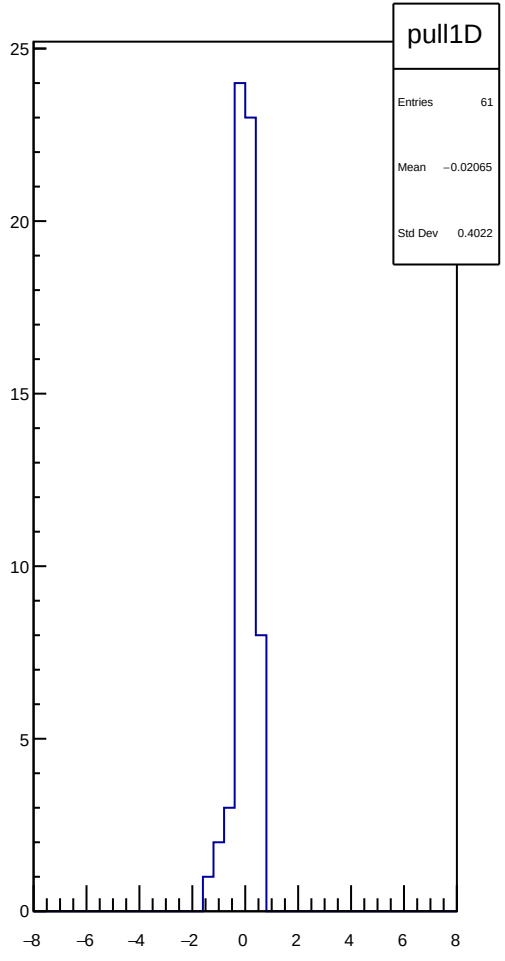

pull1D
Entries 61
Mean −0.002194
Std Dev 0.3906
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

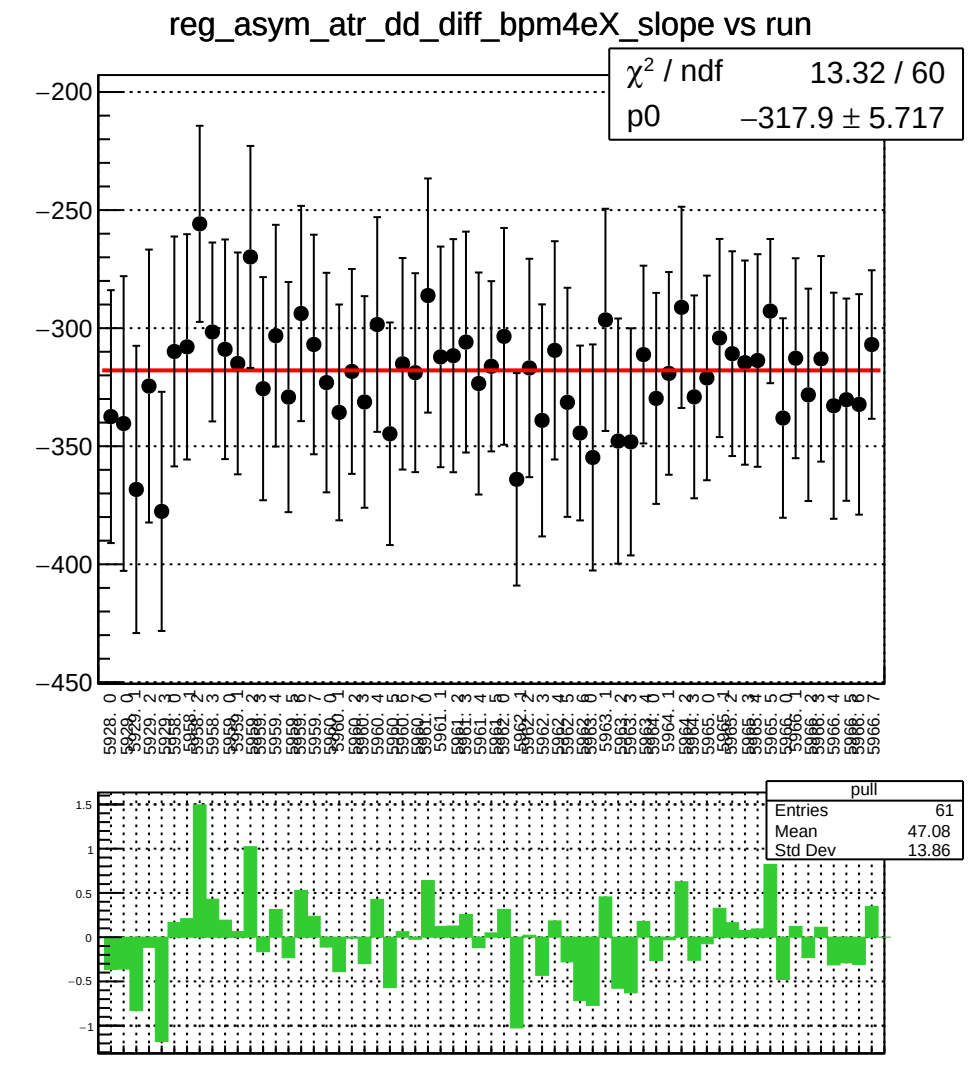

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 17.65 / 60
p0 −139.8 ± 0.4443
pull
Entries 61
Mean −125
Std Dev 0

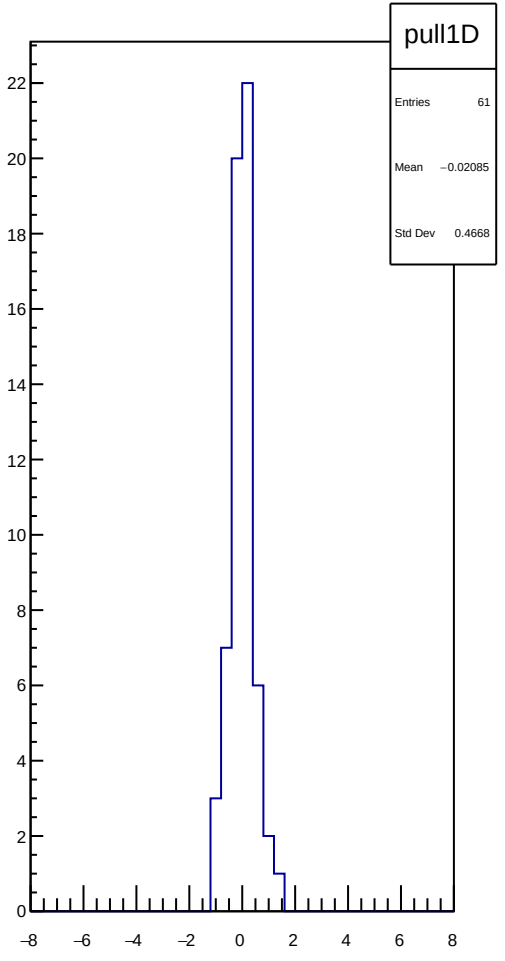

pull1D
Entries 61
Mean −0.01739
Std Dev 0.5376

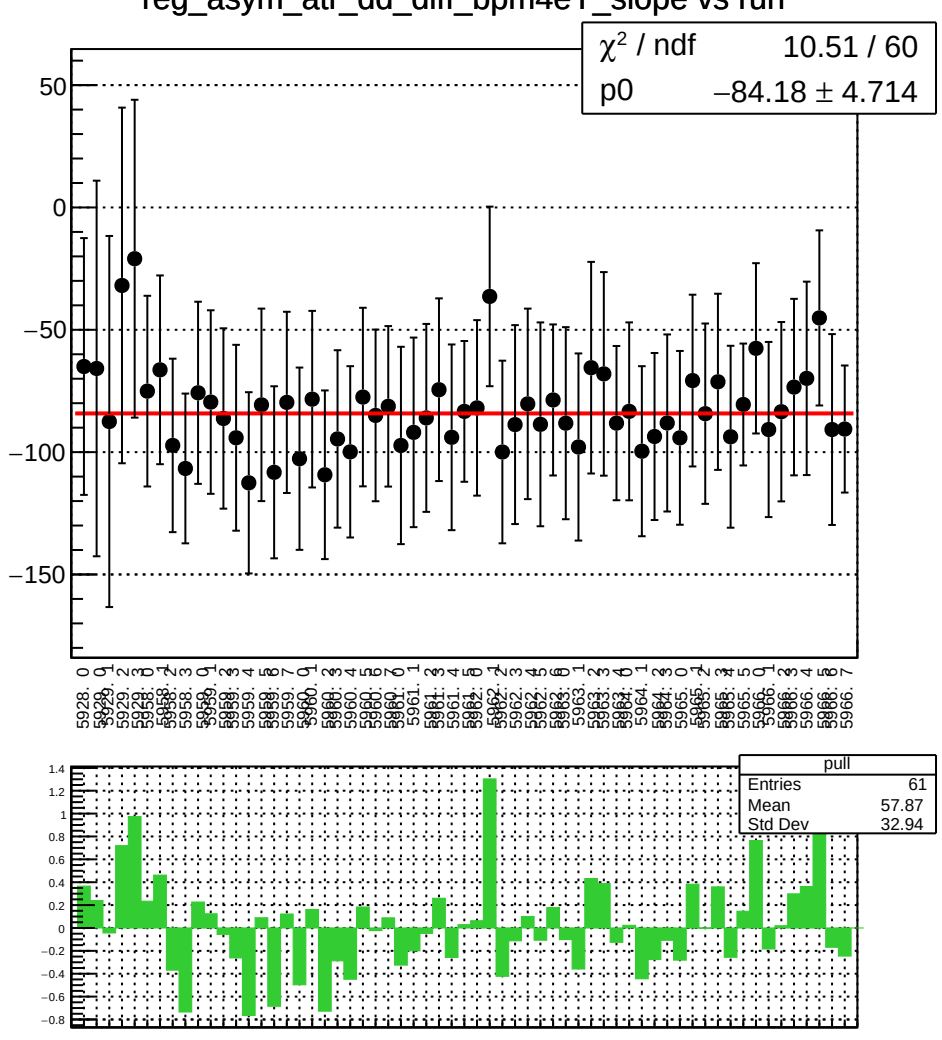

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 19.3 / 60
p0 215.9 ± 5.599
pull
Entries 61
Mean 258.7
Std Dev 0
pull1D
Entries 61
Mean 0.02121
Std Dev 0.5621

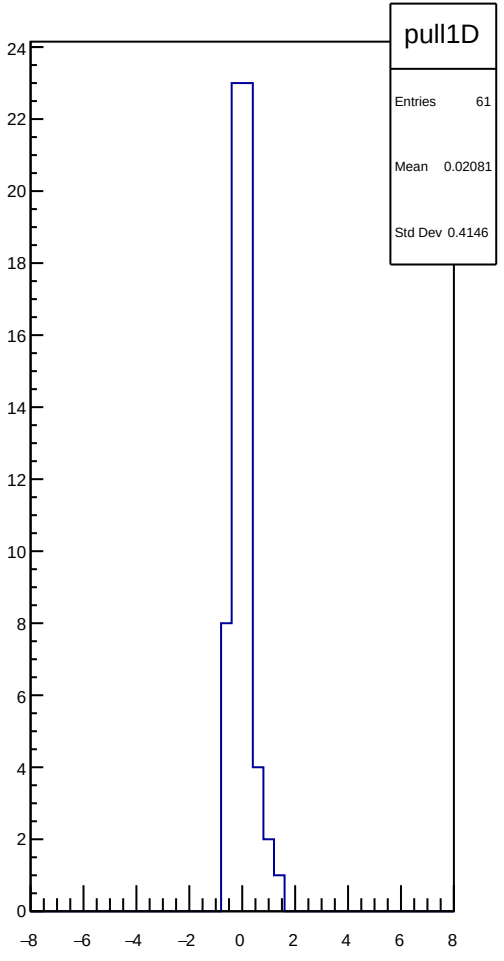

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.895 / 60
p0 13.92 ± 3.666
pull
Entries 61
Mean 55.13
Std Dev 32.1

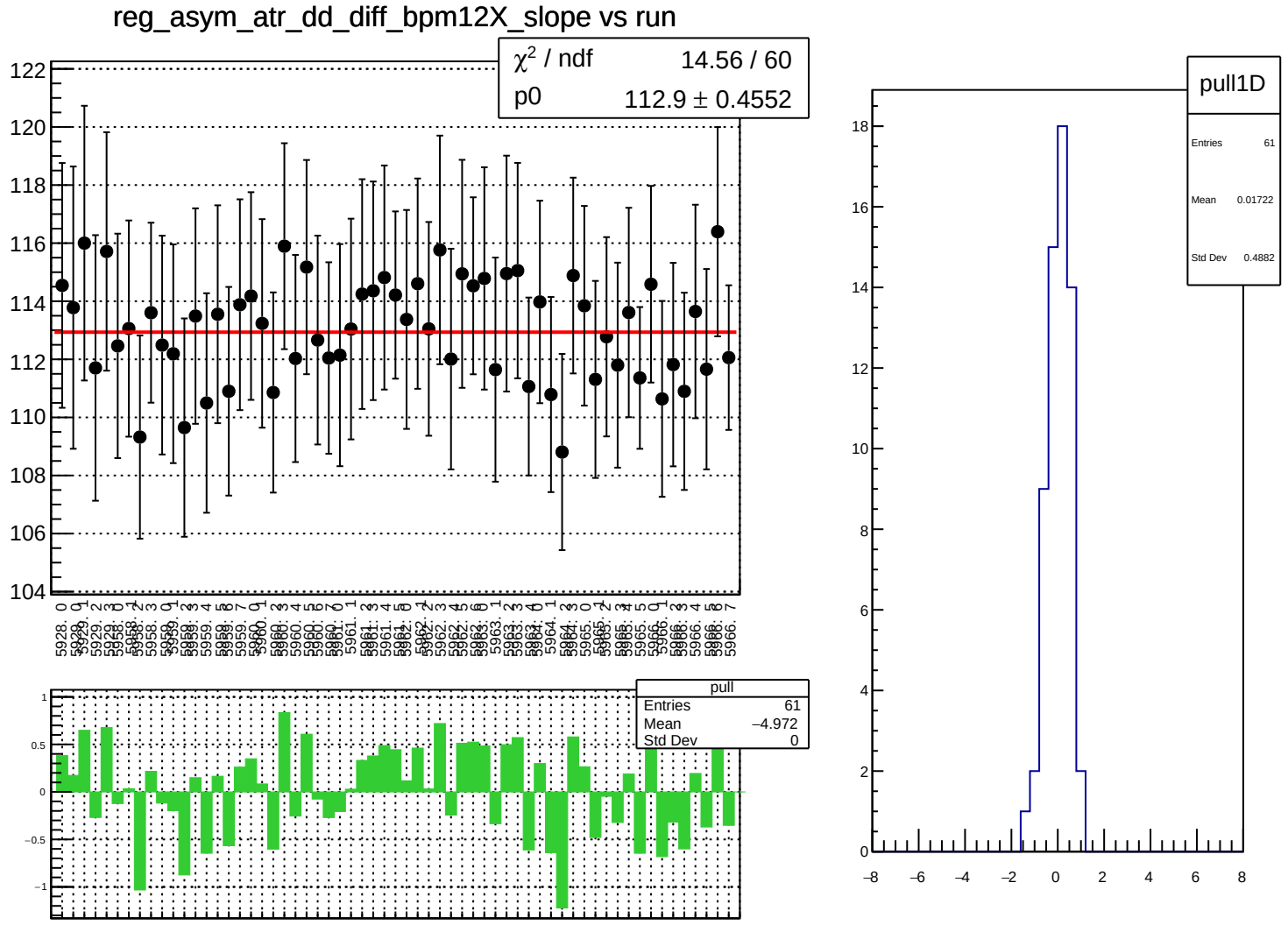

pull1D
Entries 61
Mean −0.02065
Std Dev 0.4022

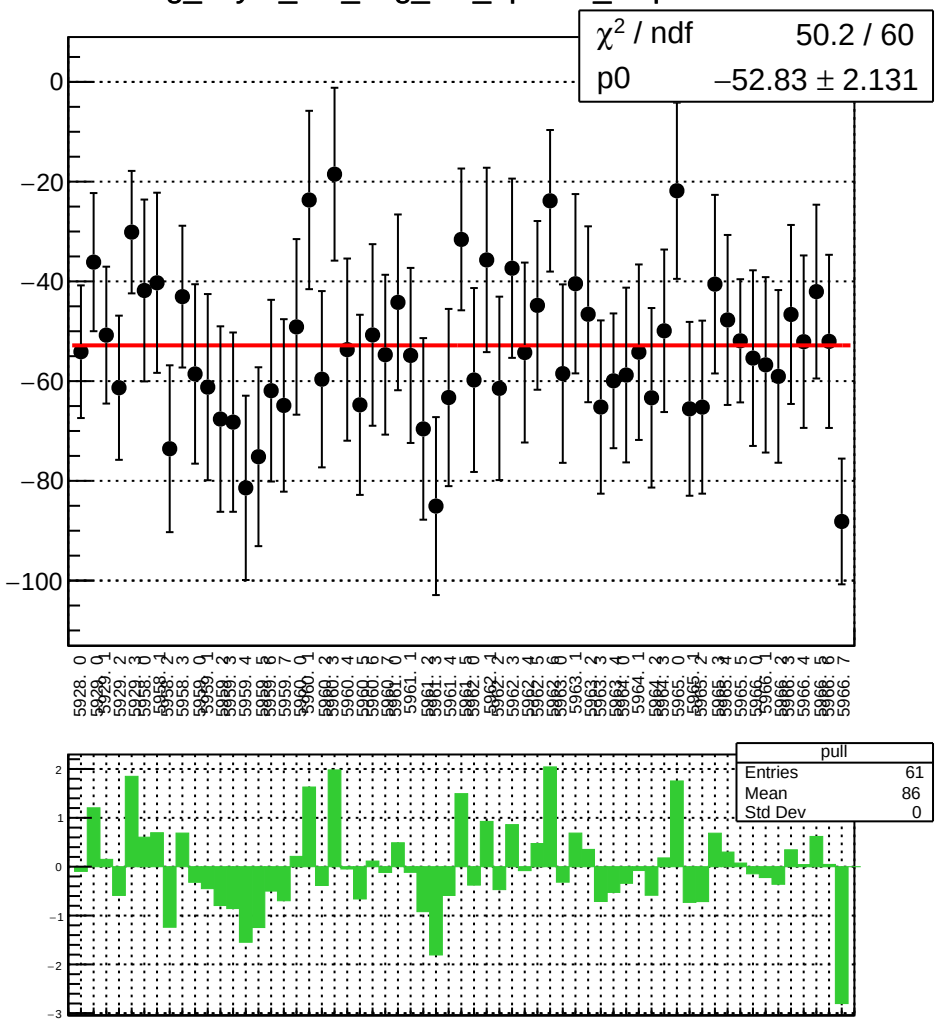

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.32 / 60
p0 −317.9 ± 5.717
pull
Entries 61
Mean 47.08
Std Dev 13.86

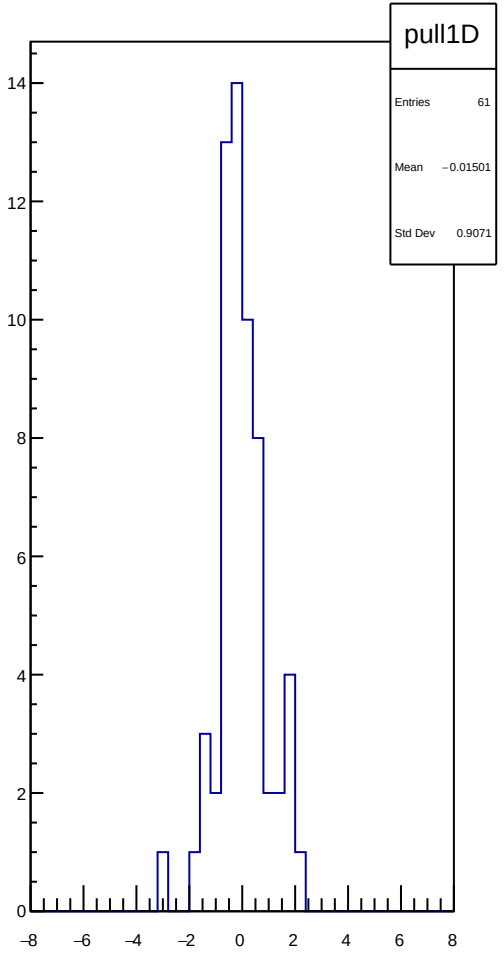

pull1D
Entries 61
Mean −0.02085
Std Dev 0.4668

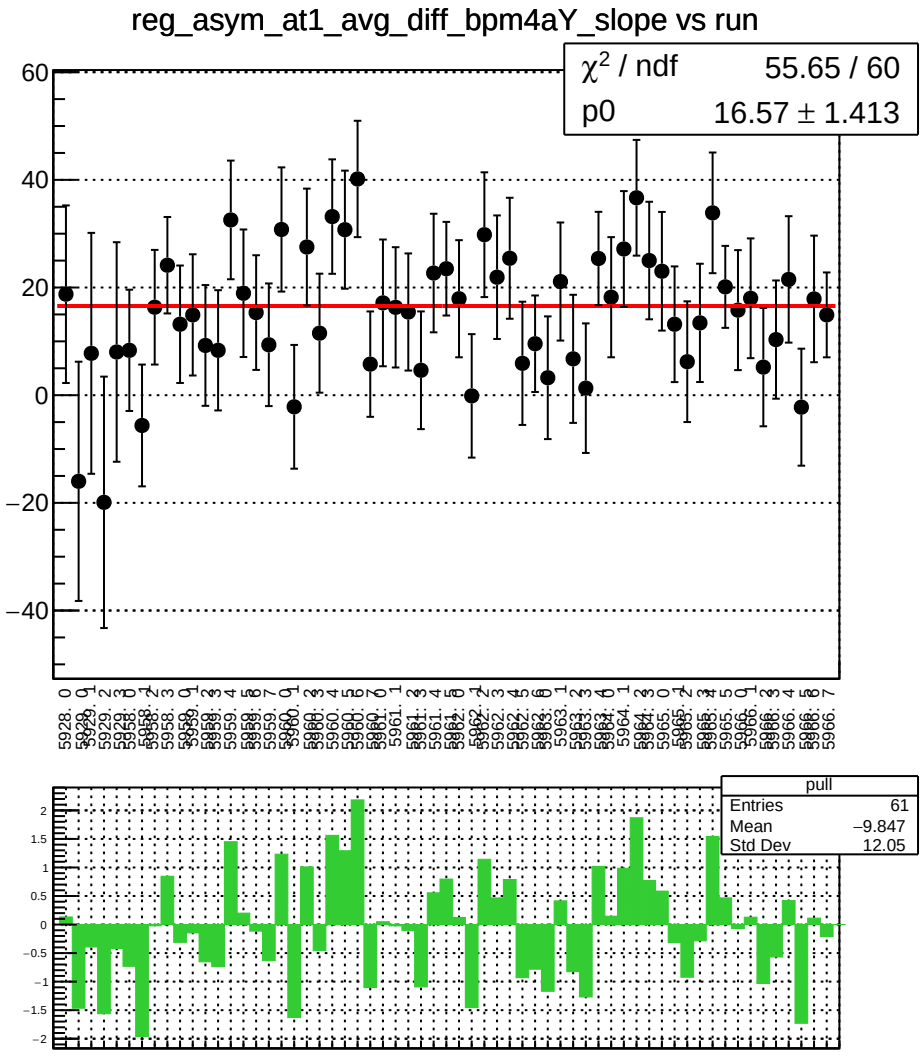

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.51 / 60
p0 −84.18 ± 4.714
pull
Entries 61
Mean 57.87
Std Dev 32.94

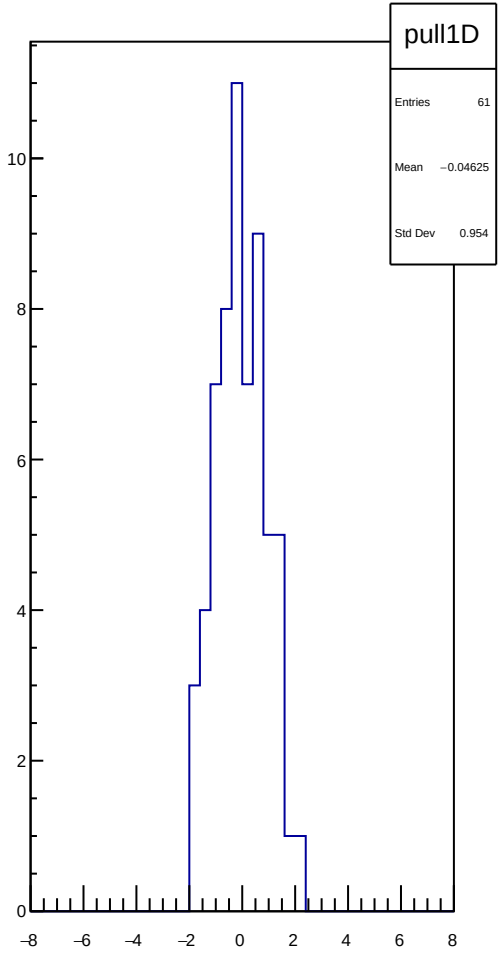

pull1D
Entries 61
Mean 0.02081
Std Dev 0.4146

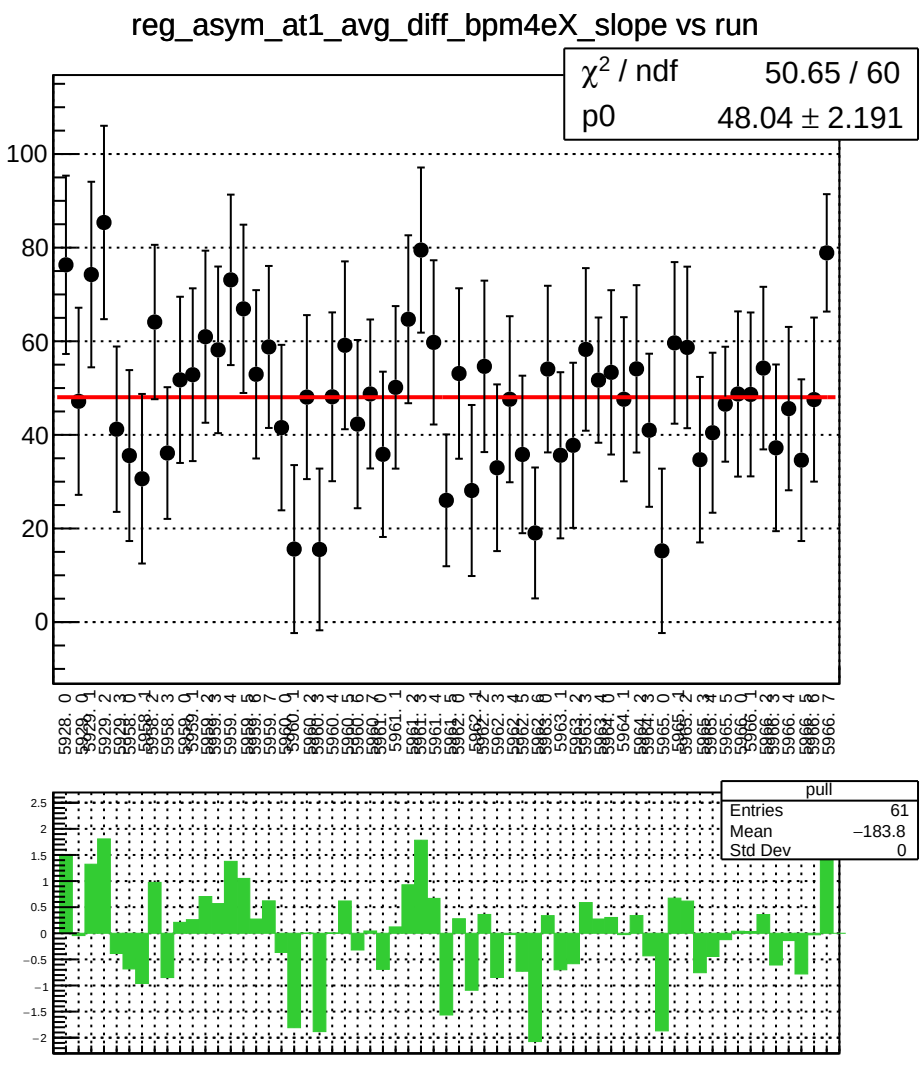

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.56 / 60
p0 112.9 ± 0.4552
pull
Entries 61
Mean −4.972
Std Dev 0
pull1D
Entries 61
Mean 0.01722
Std Dev 0.4882

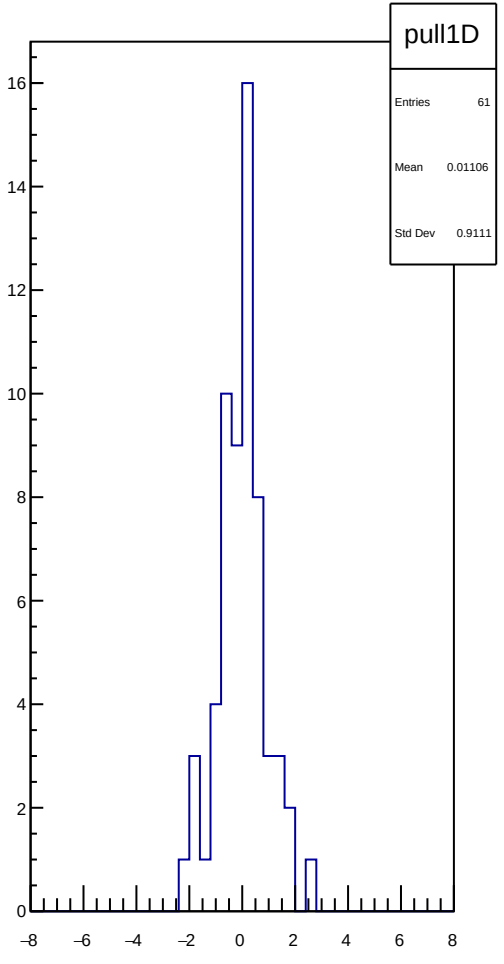

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 50.2 / 60
p0 −52.83 ± 2.131
pull
Entries 61
Mean 86
Std Dev 0

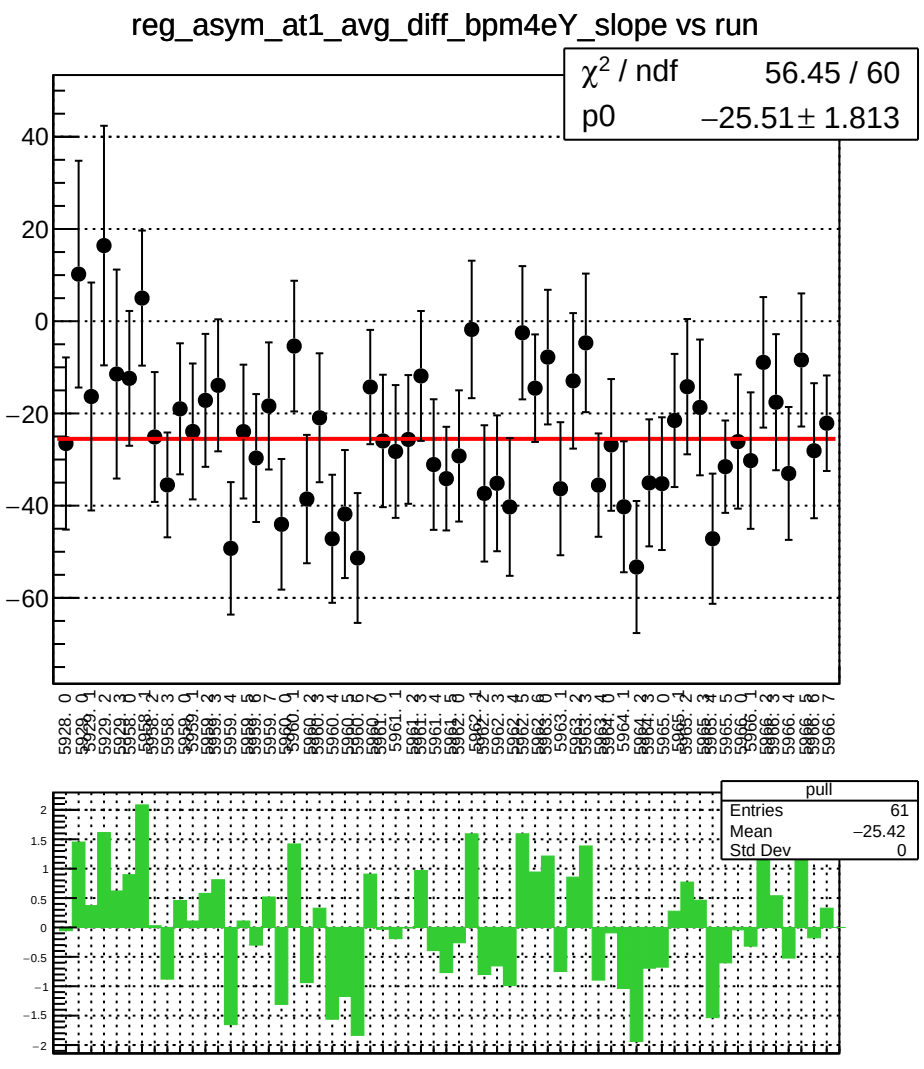

pull1D
Entries 61
Mean −0.01501
Std Dev 0.9071

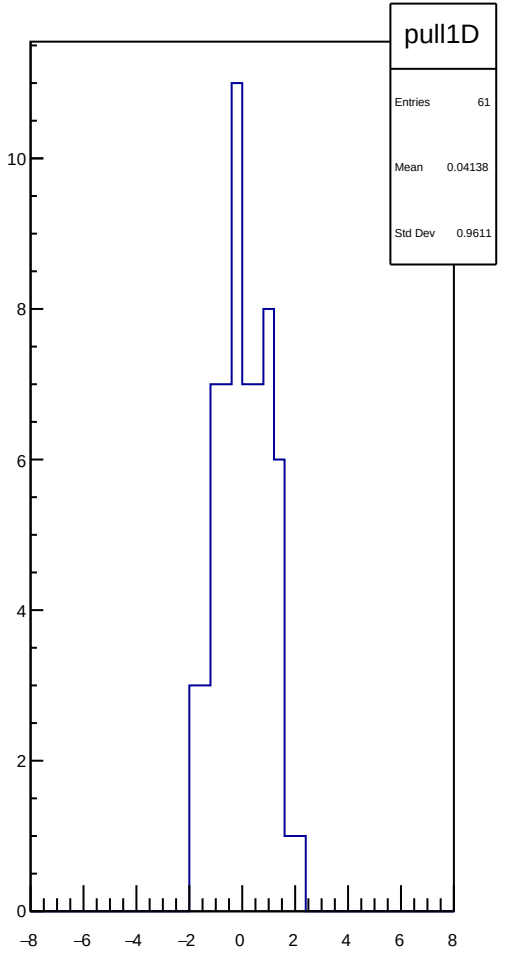

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.65 / 60
p0 16.57 ± 1.413
pull
Entries 61
Mean −9.847
Std Dev 12.05

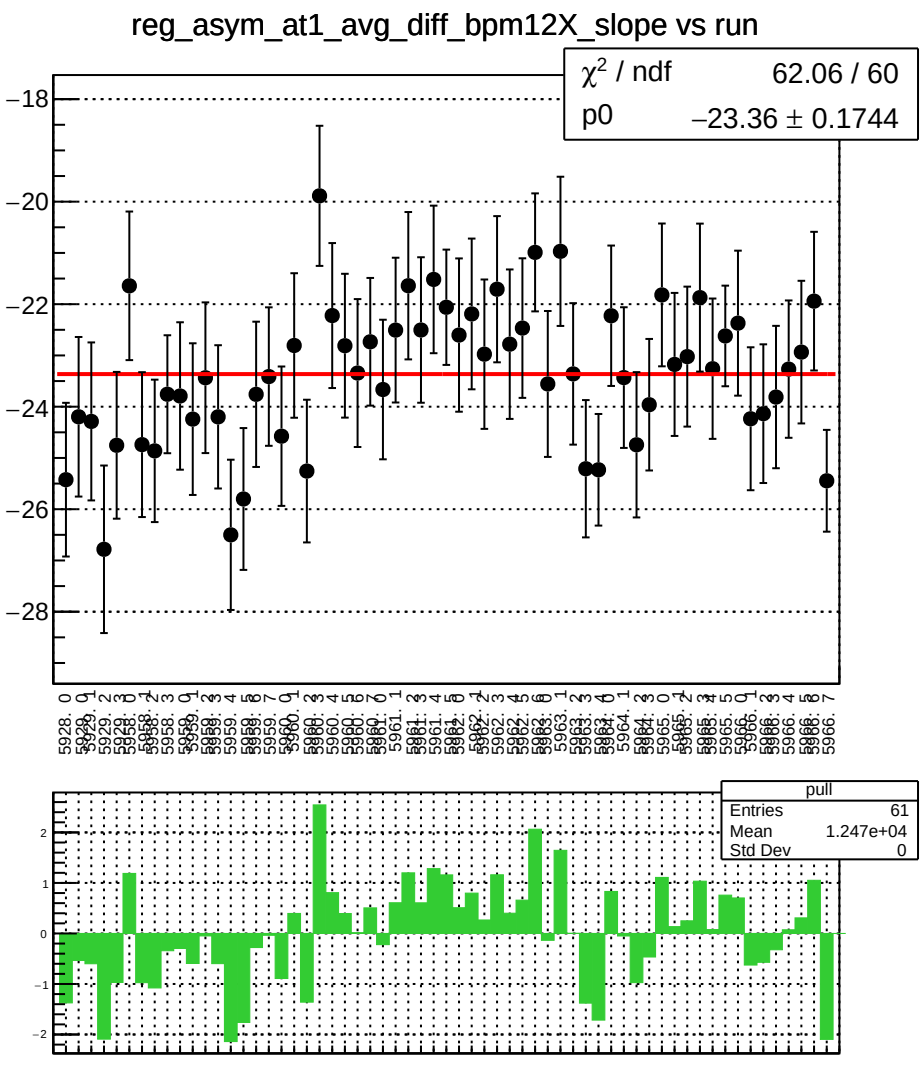

pull1D
Entries 61
Mean −0.04625
Std Dev 0.954

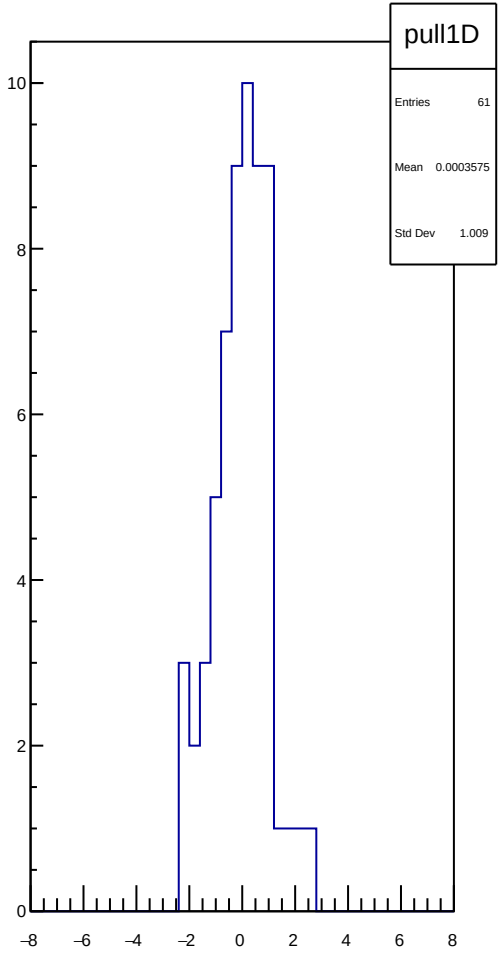

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.65 / 60
p0 48.04 ± 2.191
pull
Entries 61
Mean −183.8
Std Dev 0

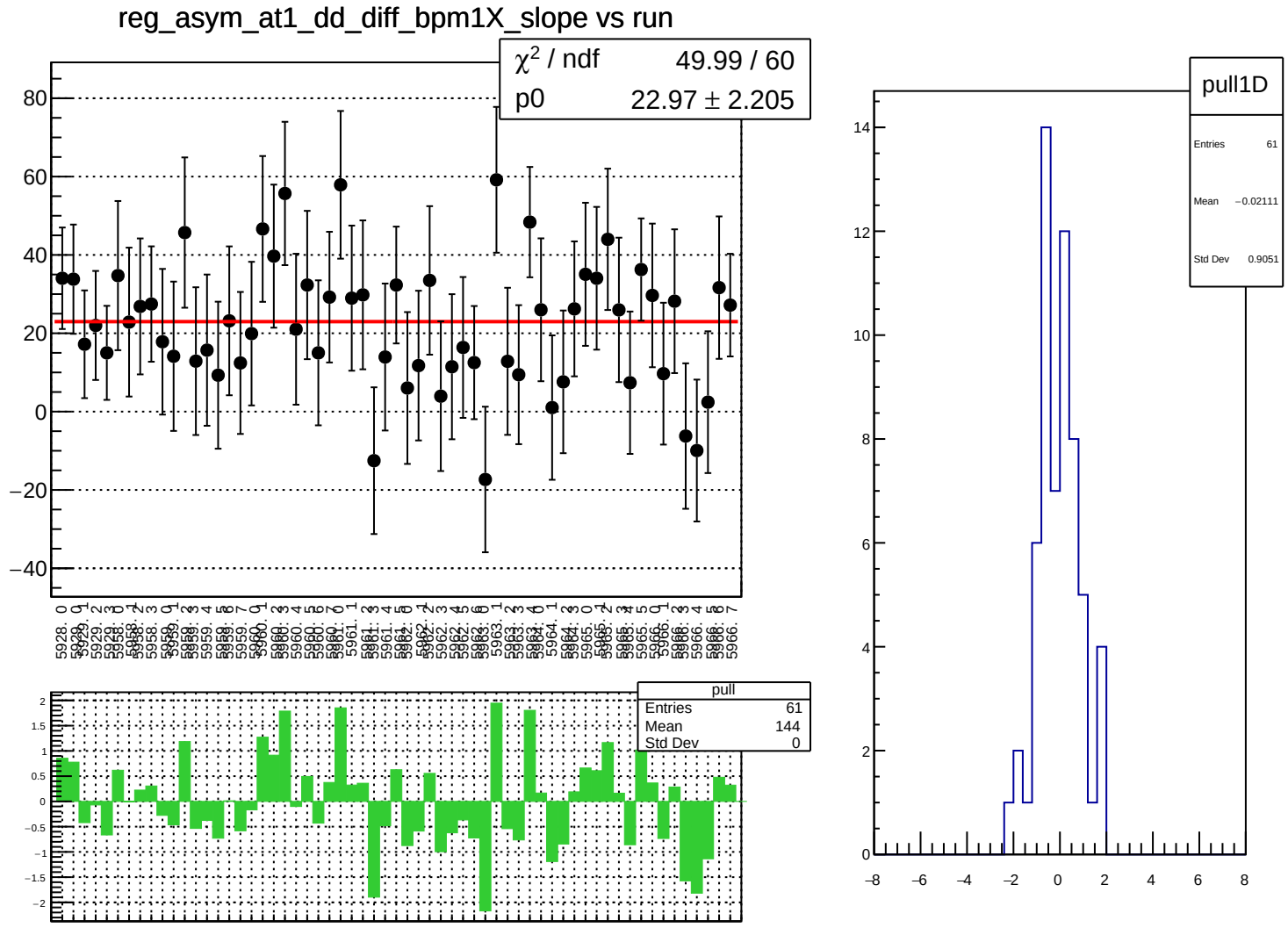

pull1D
Entries 61
Mean 0.01106
Std Dev 0.9111

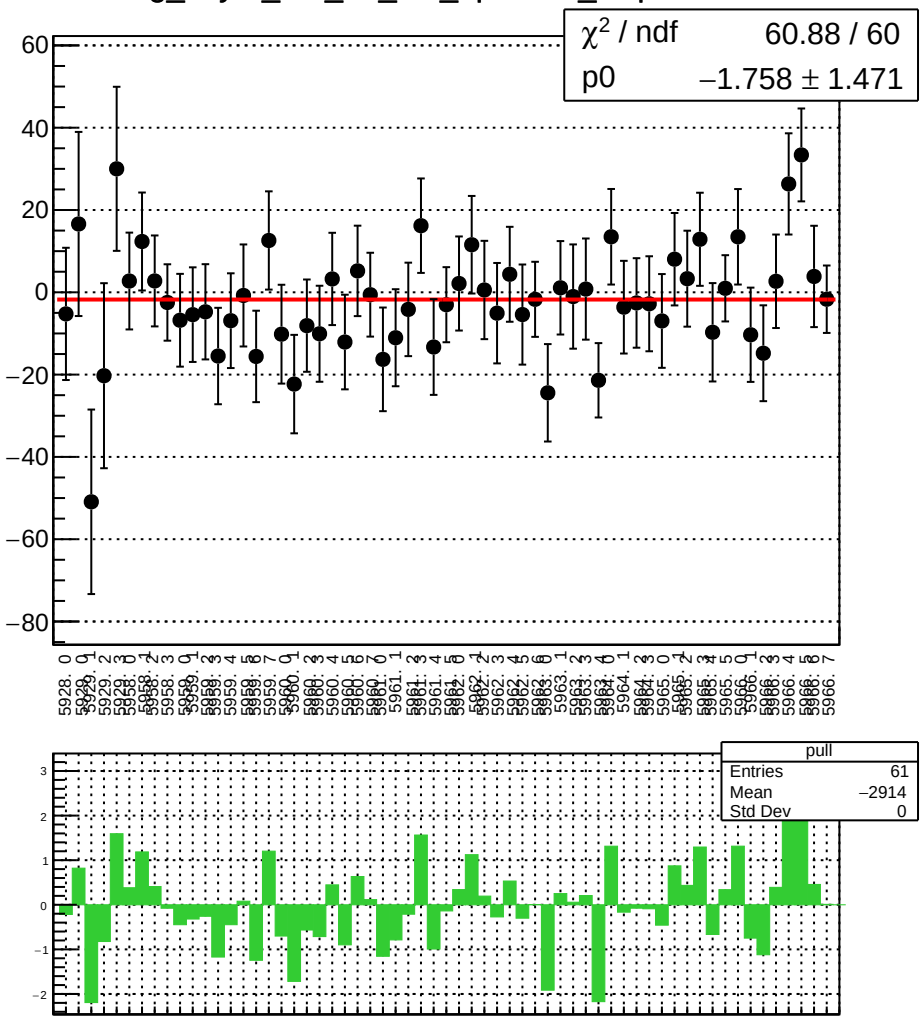

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.45 / 60
p0 −25.51 ± 1.813
pull
Entries 61
Mean −25.42
Std Dev 0

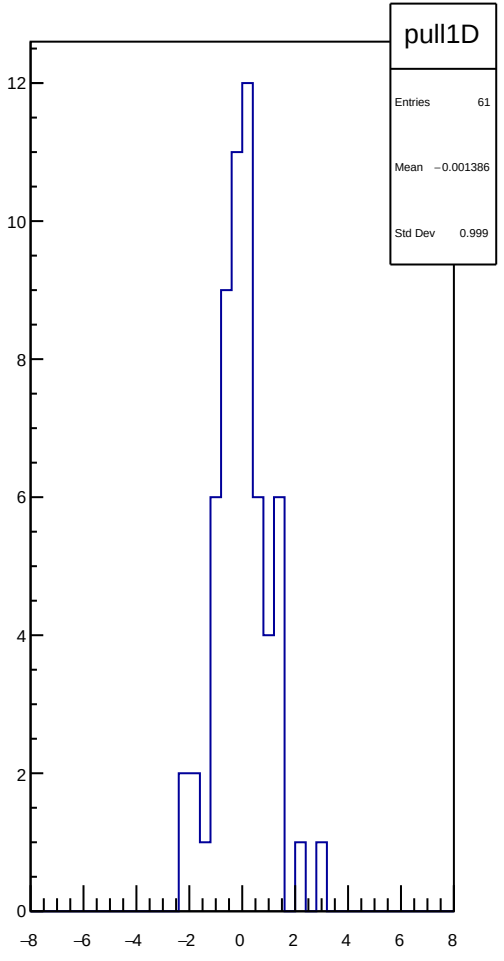

pull1D
Entries 61
Mean 0.04138
Std Dev 0.9611

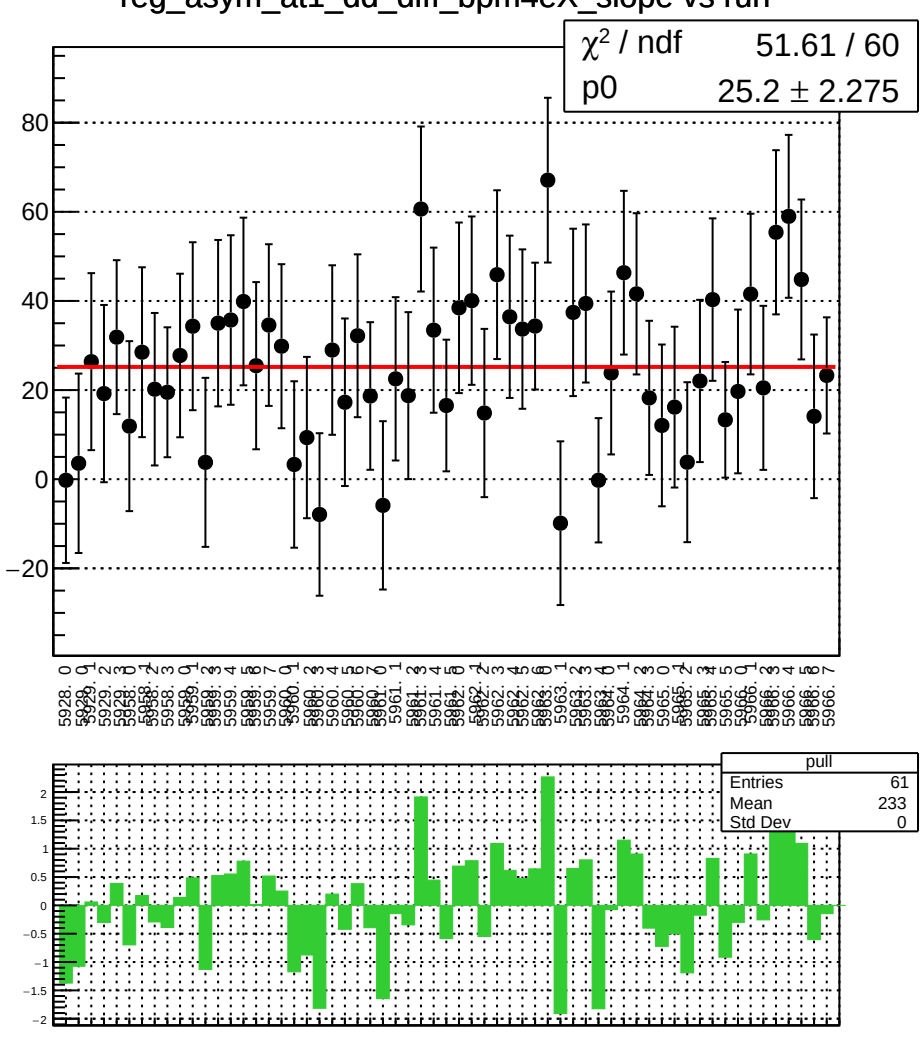

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 62.06 / 60
p0 −23.36 ± 0.1744
pull
Entries 61
Mean 1.247e+04
Std Dev 0

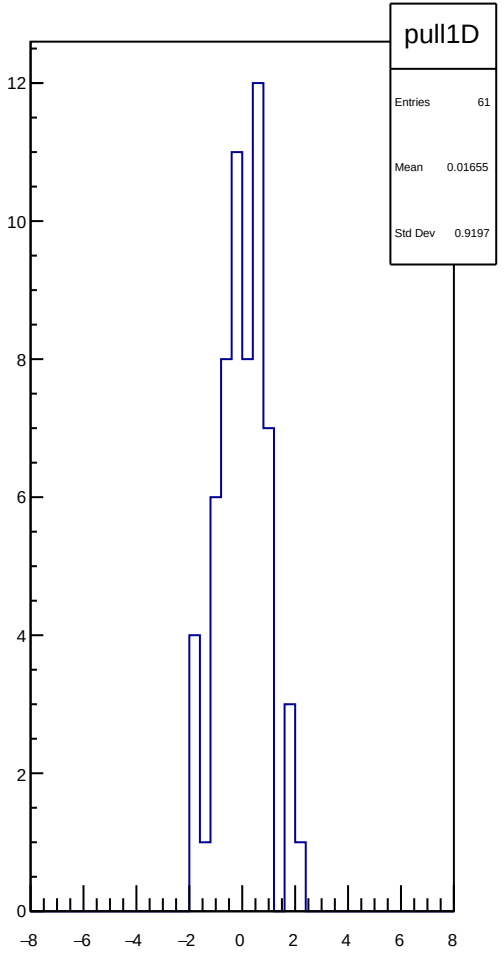

pull1D
Entries 61
Mean 0.0003575
Std Dev 1.009

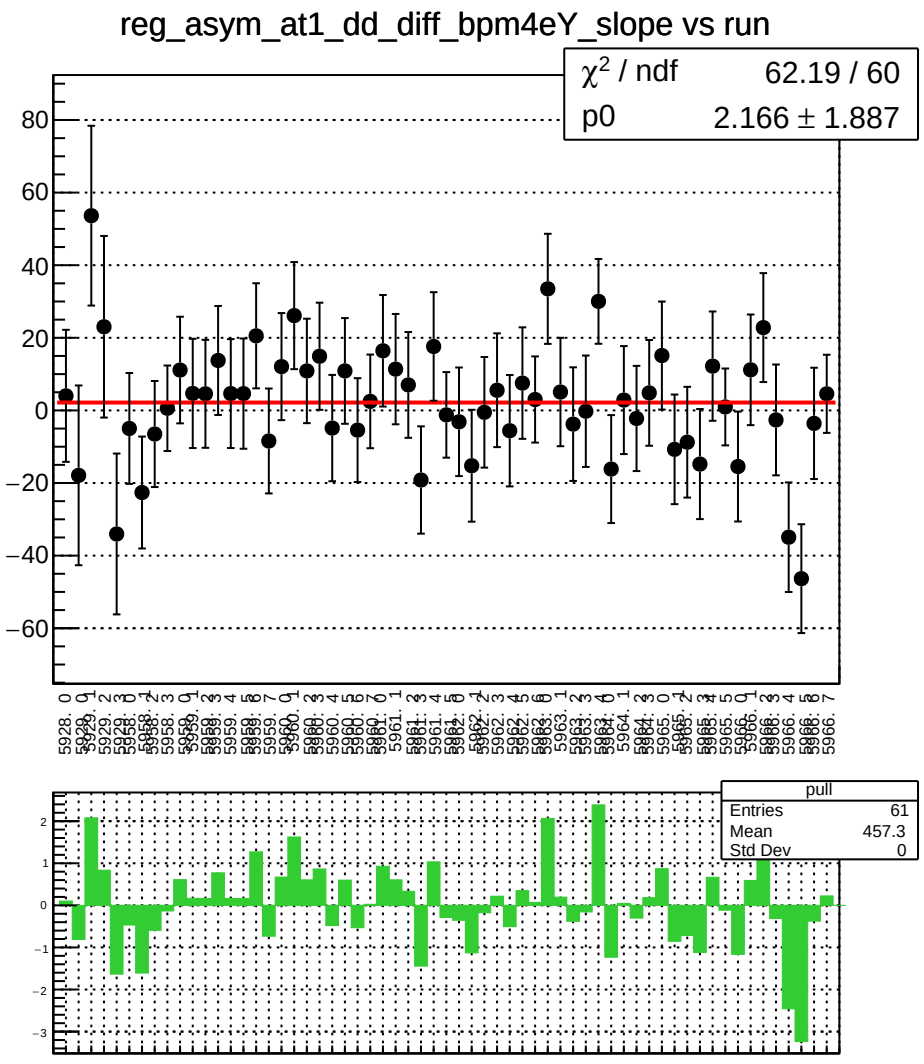

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 49.99 / 60
p0 22.97 ± 2.205
pull
Entries 61
Mean 144
Std Dev 0
pull1D
Entries 61
Mean −0.02111
Std Dev 0.9051

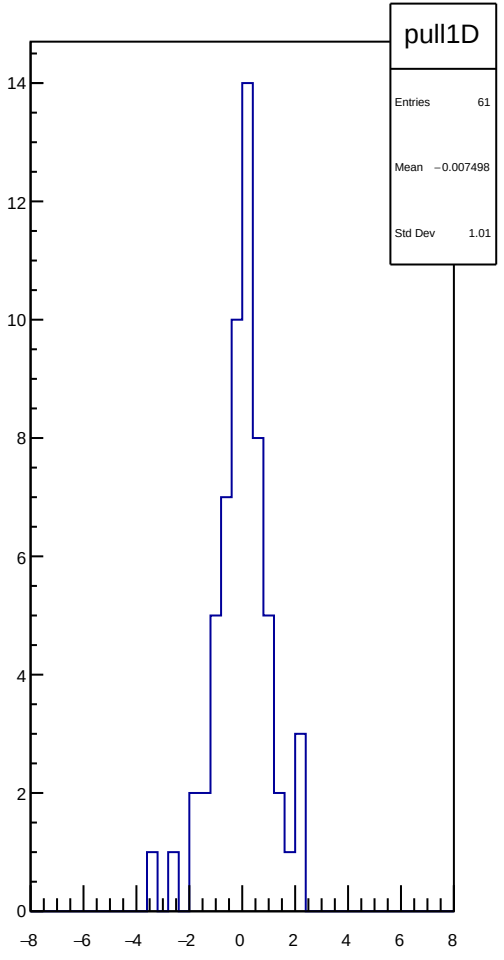

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.88 / 60
p0 −1.758 ± 1.471
pull
Entries 61
Mean −2914
Std Dev 0

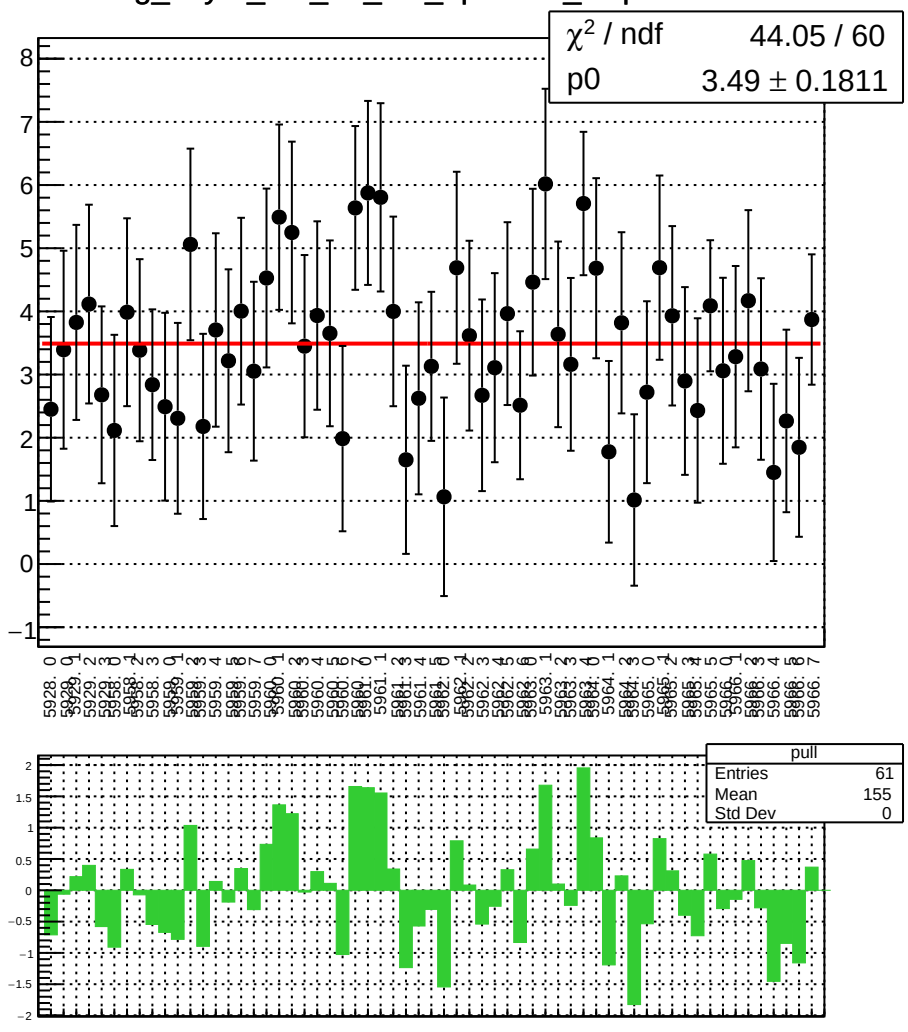

pull1D
Entries 61
Mean −0.001386
Std Dev 0.999

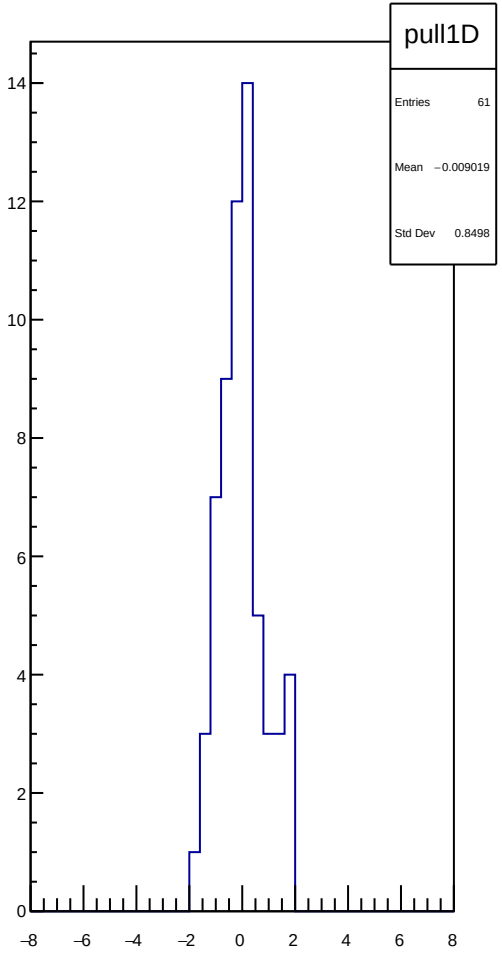

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.61 / 60
p0 25.2 ± 2.275
pull
Entries 61
Mean 233
Std Dev 0

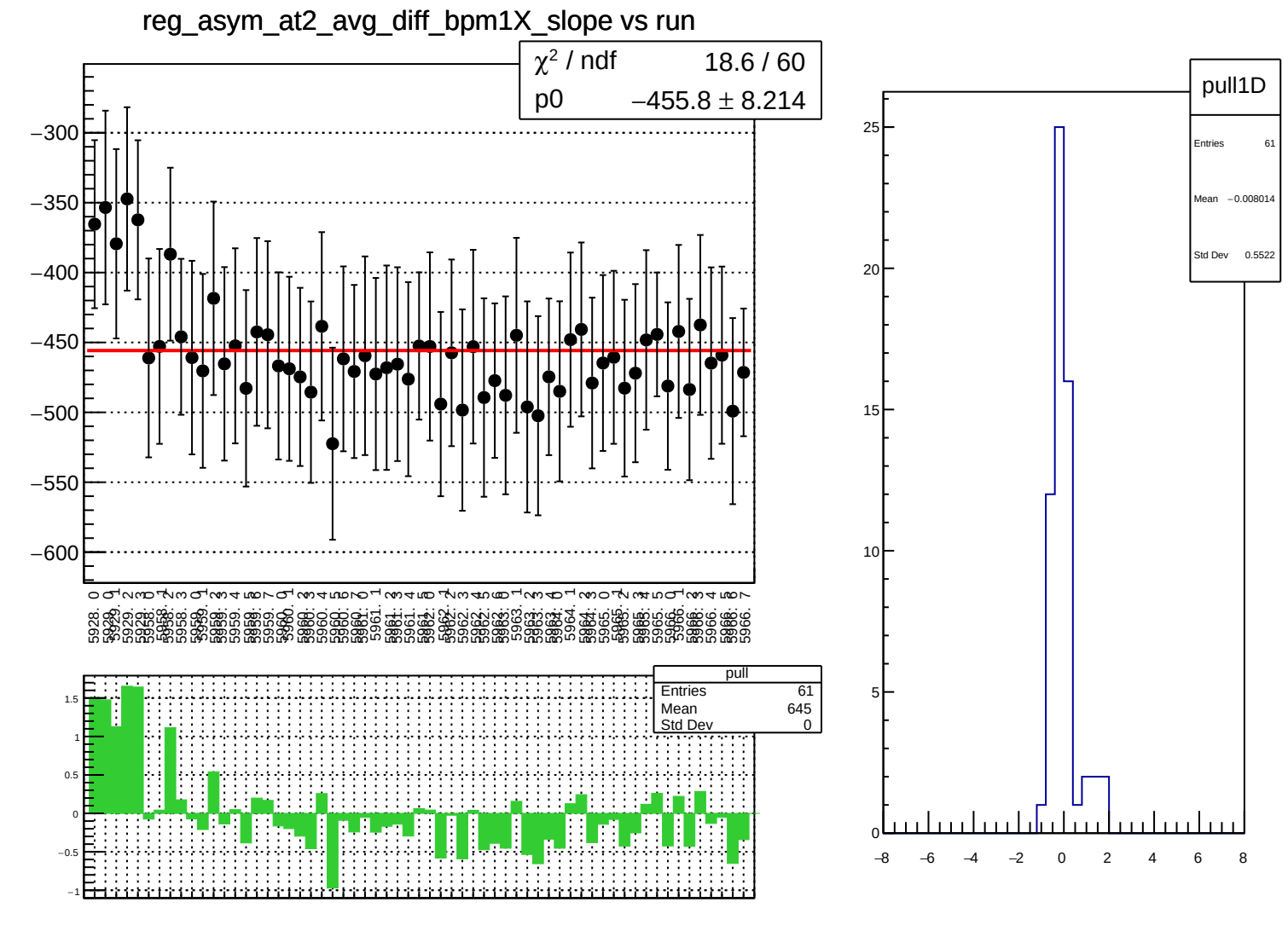

pull1D
Entries 61
Mean 0.01655
Std Dev 0.9197

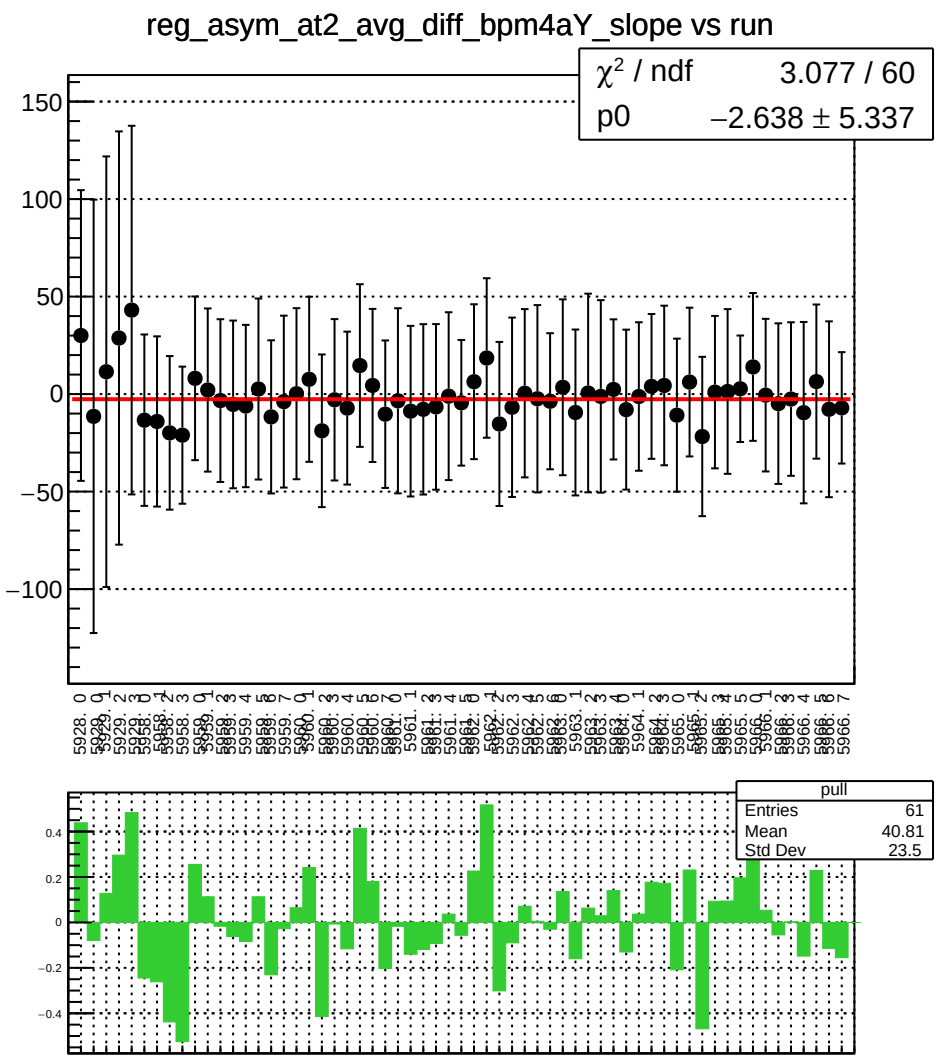

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.19 / 60
p0 2.166 ± 1.887
pull
Entries 61
Mean 457.3
Std Dev 0

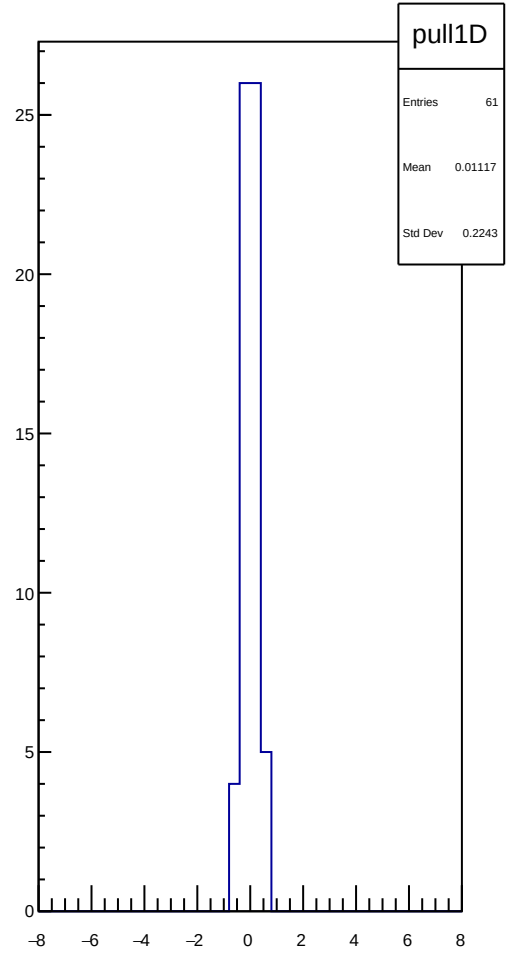

pull1D
Entries 61
Mean −0.007498
Std Dev 1.01

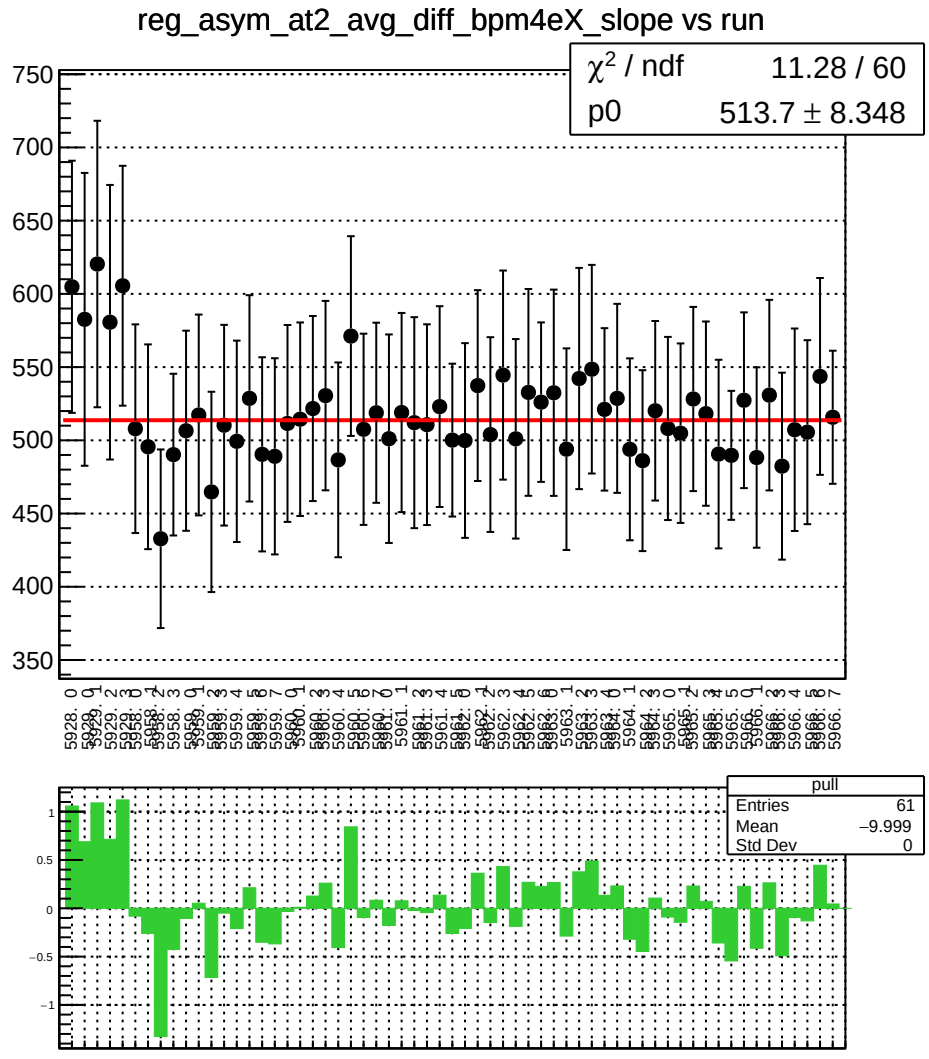

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 44.05 / 60
p0 3.49 ± 0.1811
pull
Entries 61
Mean 155
Std Dev 0

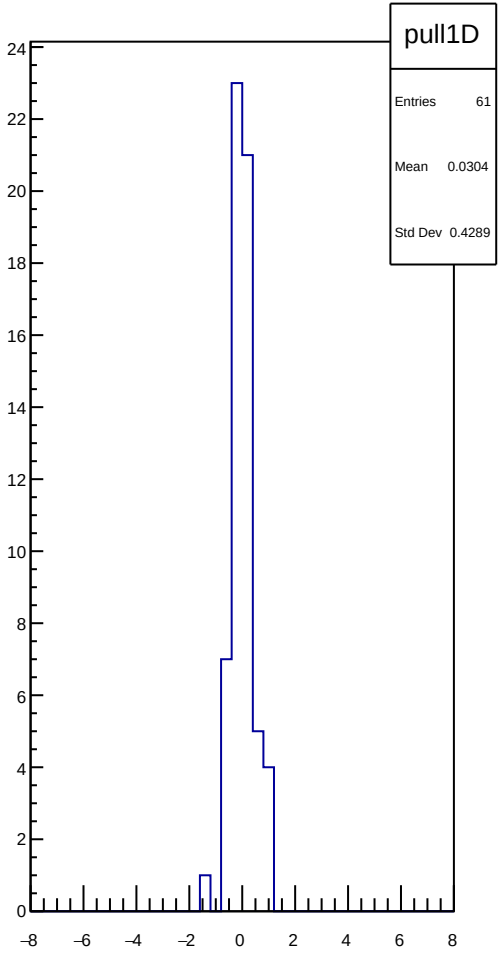

pull1D
Entries 61
Mean −0.009019
Std Dev 0.8498

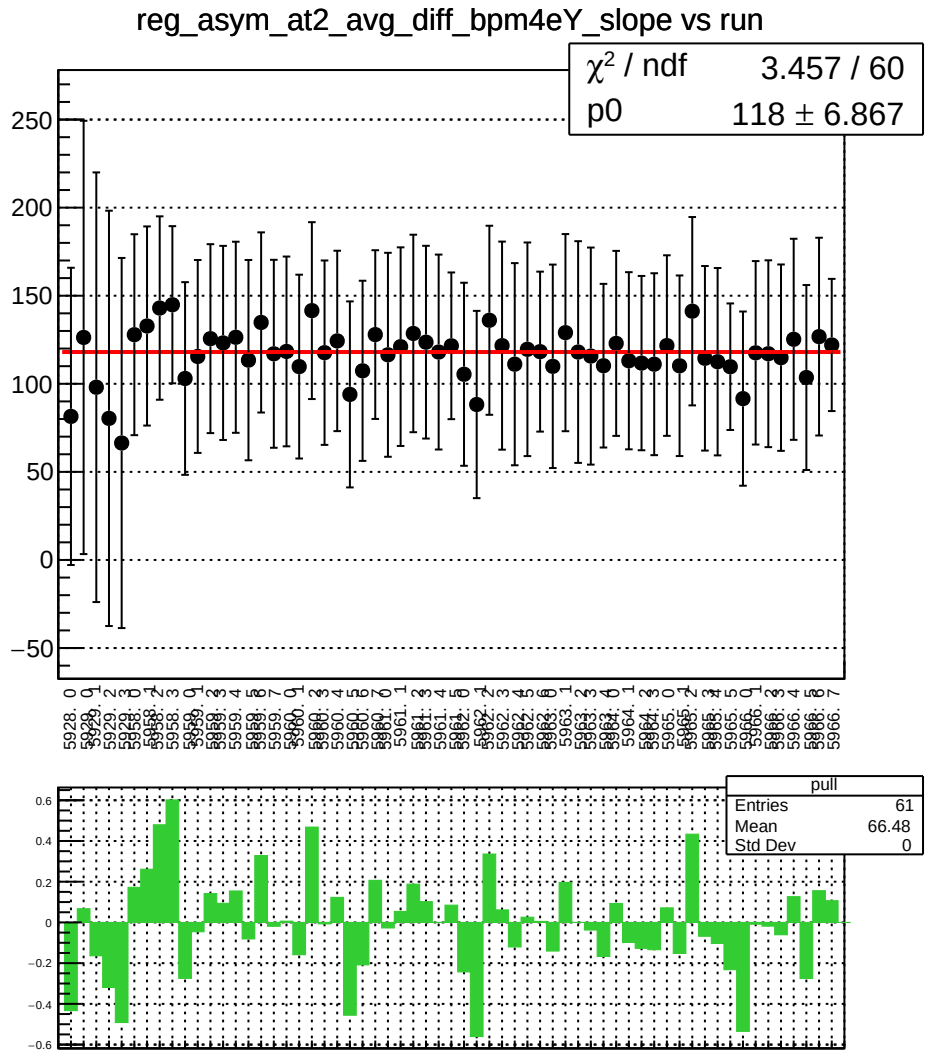

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 18.6 / 60
p0 −455.8 ± 8.214
pull
Entries 61
Mean 645
Std Dev 0
pull1D
Entries 61
Mean −0.008014
Std Dev 0.5522

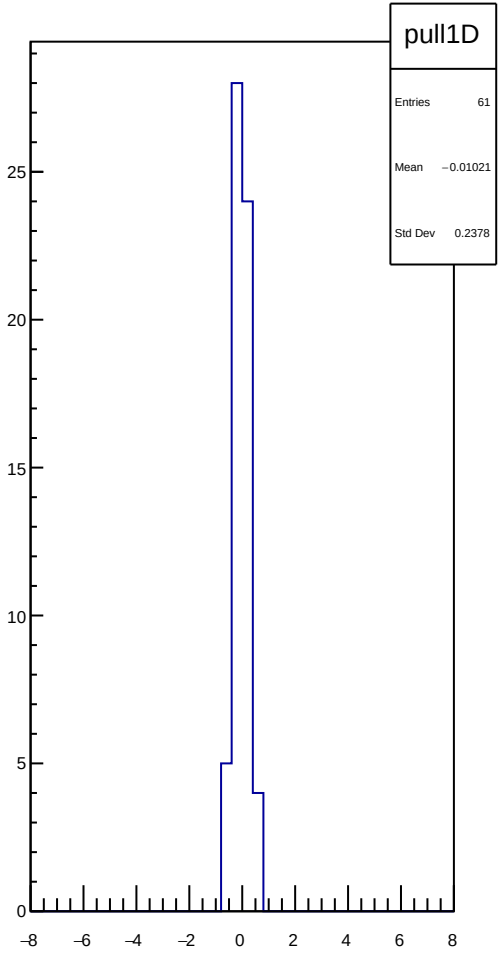

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.077 / 60
p0 −2.638 ± 5.337
150
100
50
0
−50
−100
pull
Entries 61
Mean 40.81
Std Dev 23.5
0.4
0.2
0
−0.2
−0.4

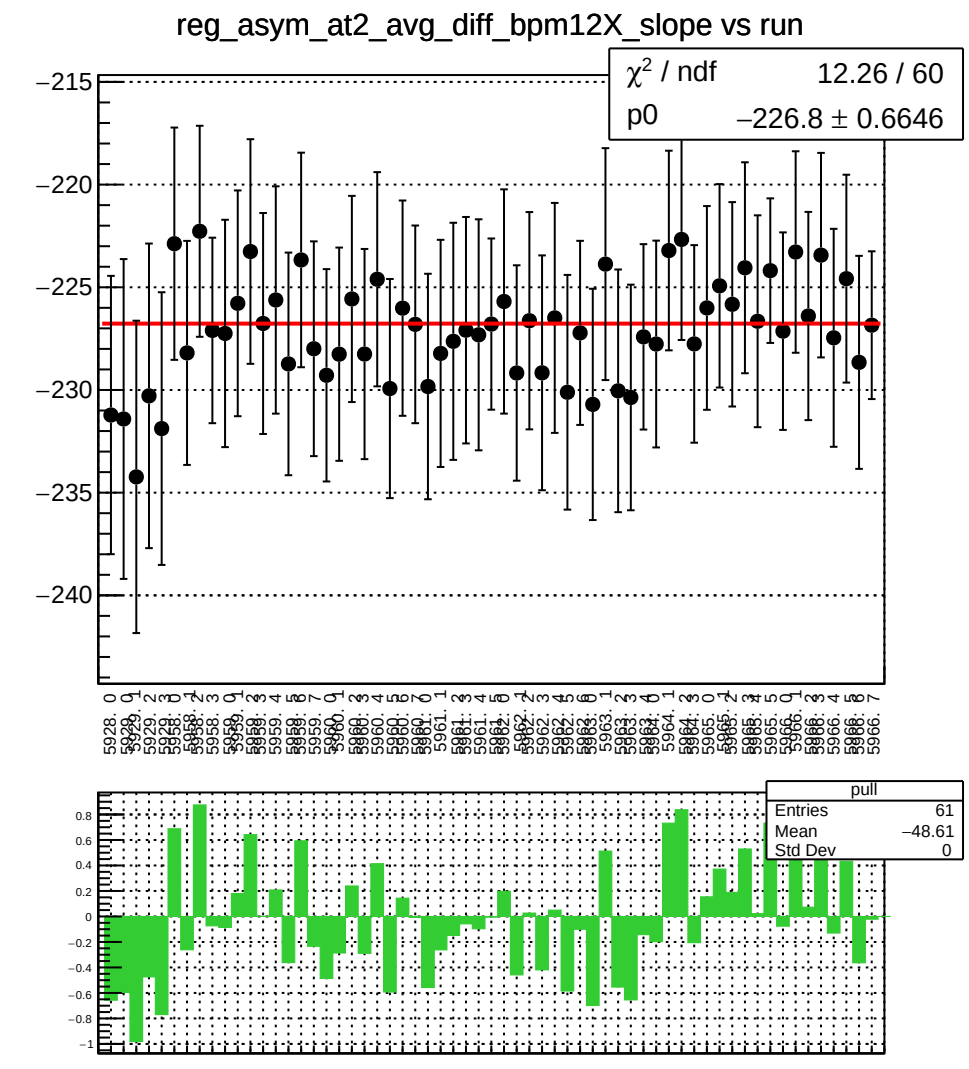

pull1D
Entries 61
Mean 0.01117
Std Dev 0.2243
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

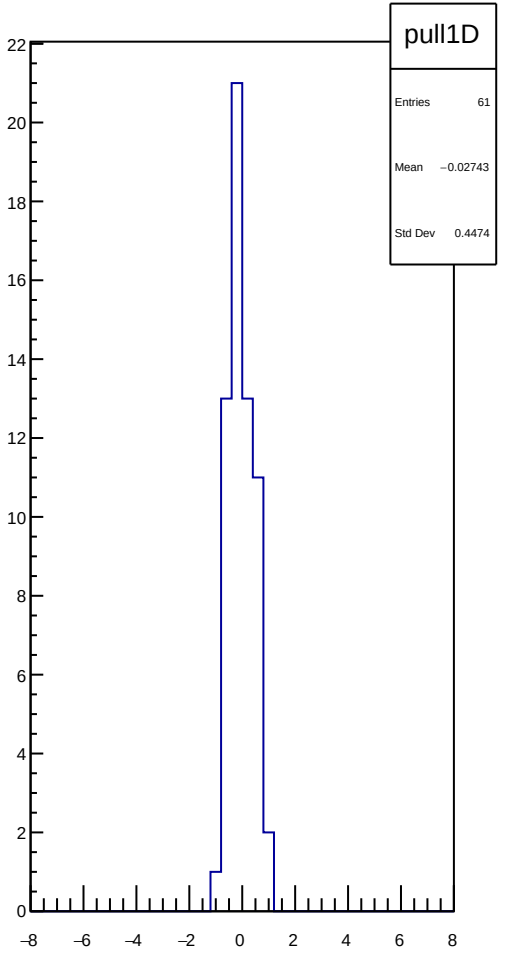

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.28 / 60
p0 513.7 ± 8.348
pull
Entries 61
Mean −9.999
Std Dev 0

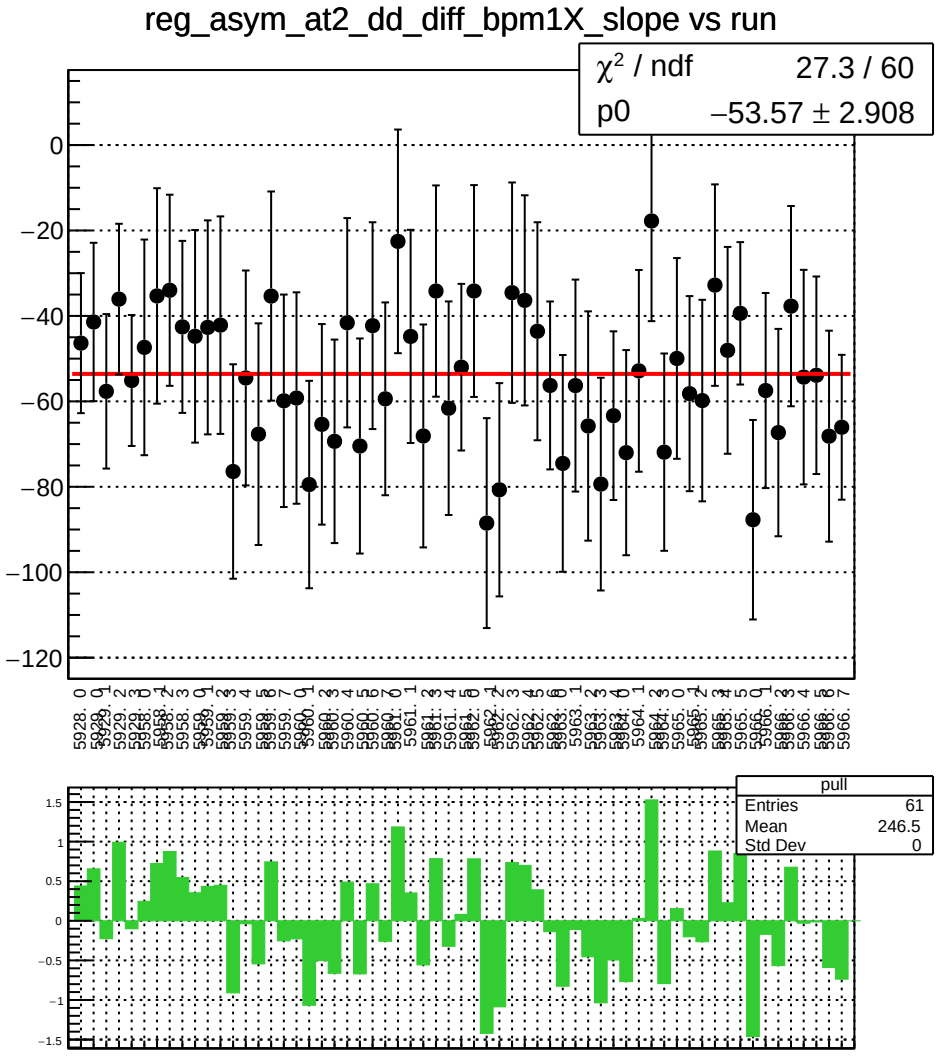

pull1D
Entries 61
Mean 0.0304
Std Dev 0.4289

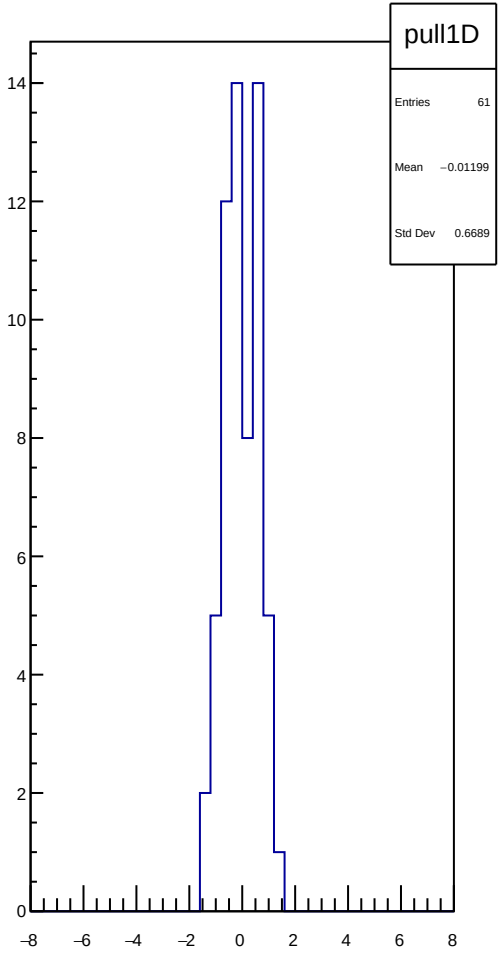

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.457 / 60
p0 118 ± 6.867
pull
Entries 61
Mean 66.48
Std Dev 0

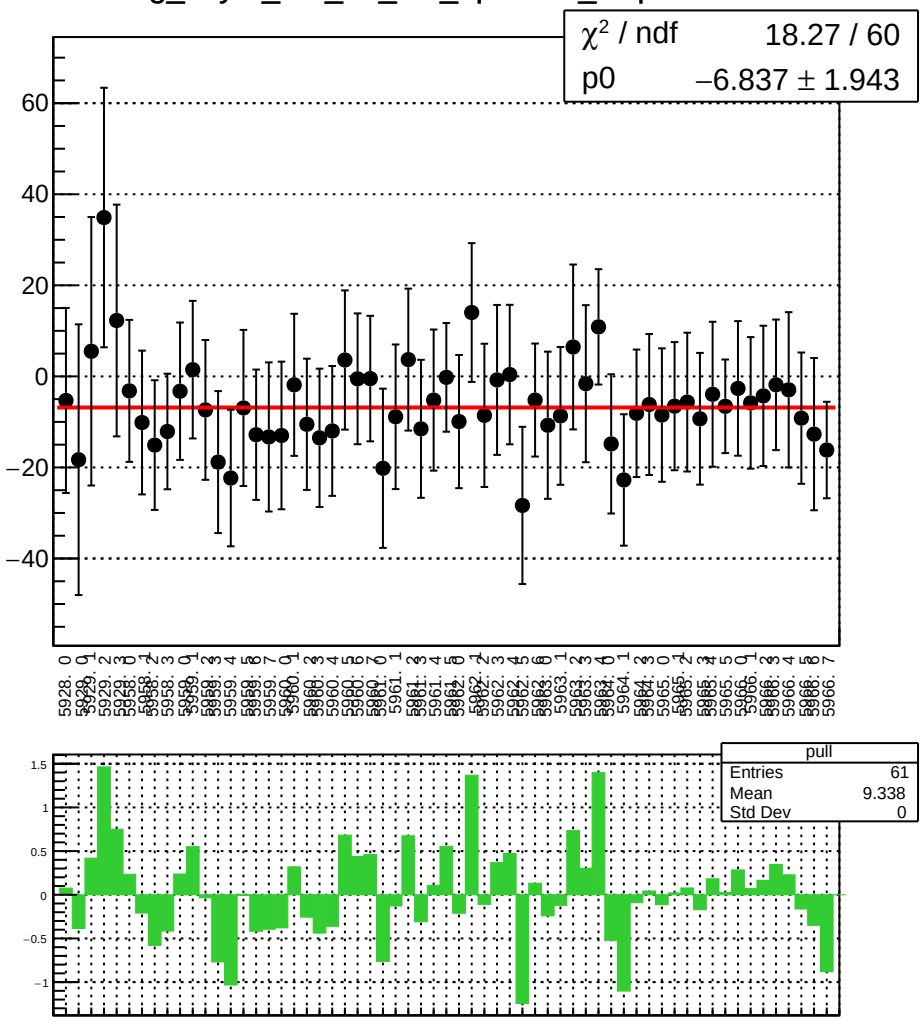

pull1D
Entries 61
Mean −0.01021
Std Dev 0.2378

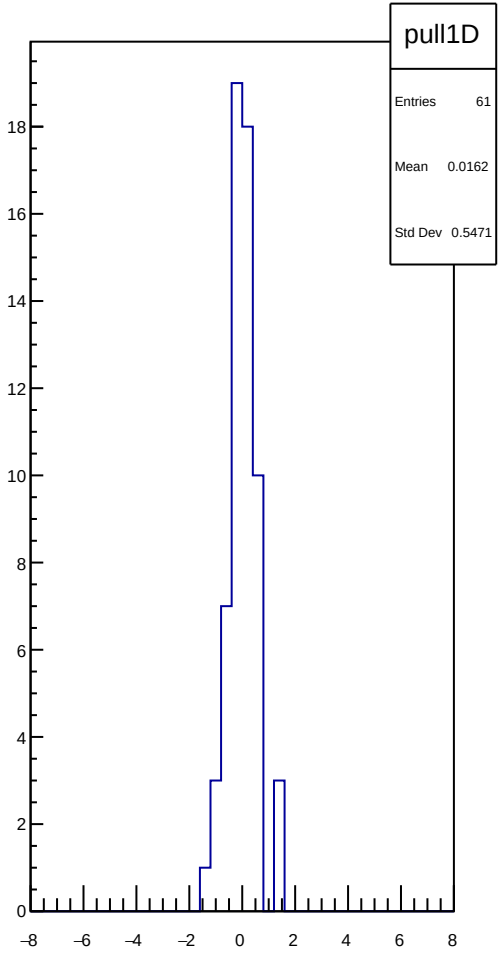

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.26 / 60
p0 −226.8 ± 0.6646
pull
Entries 61
Mean −48.61
Std Dev 0

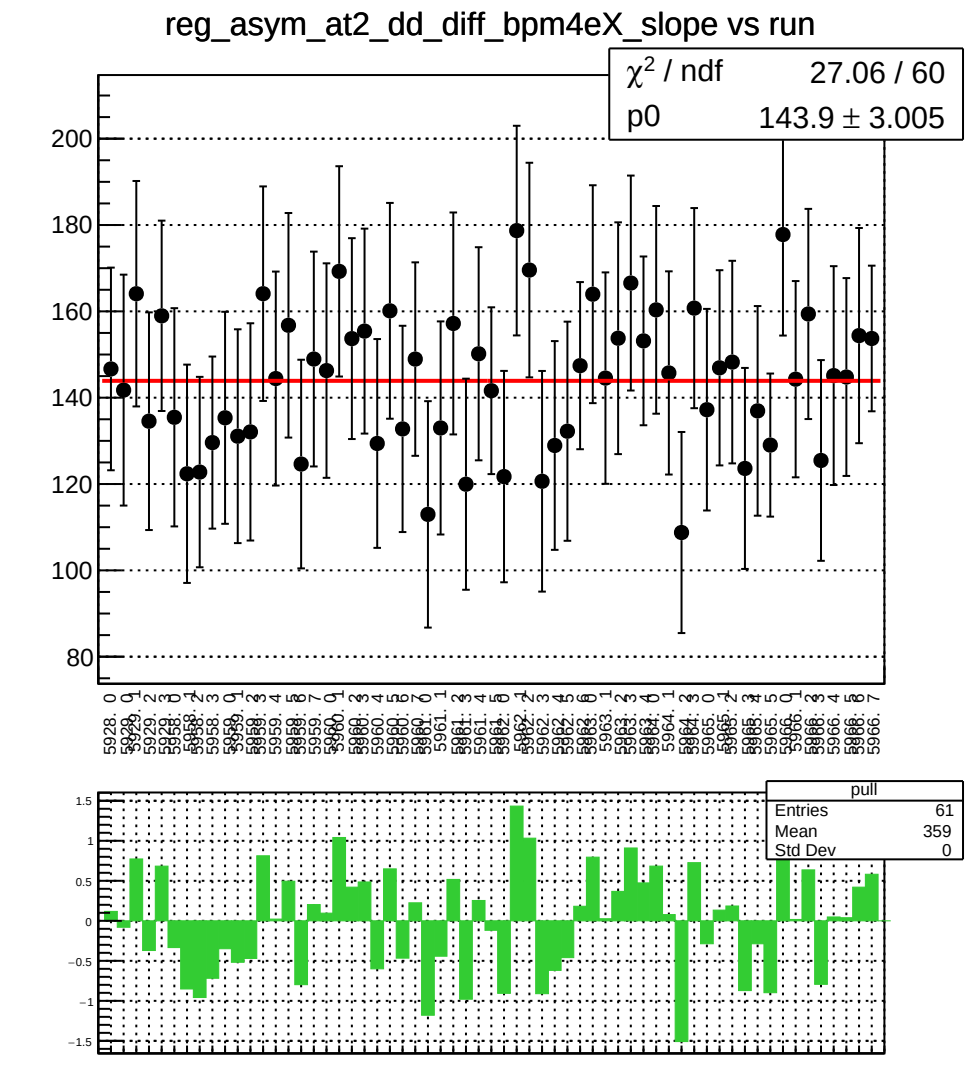

pull1D
Entries 61
Mean −0.02743
Std Dev 0.4474

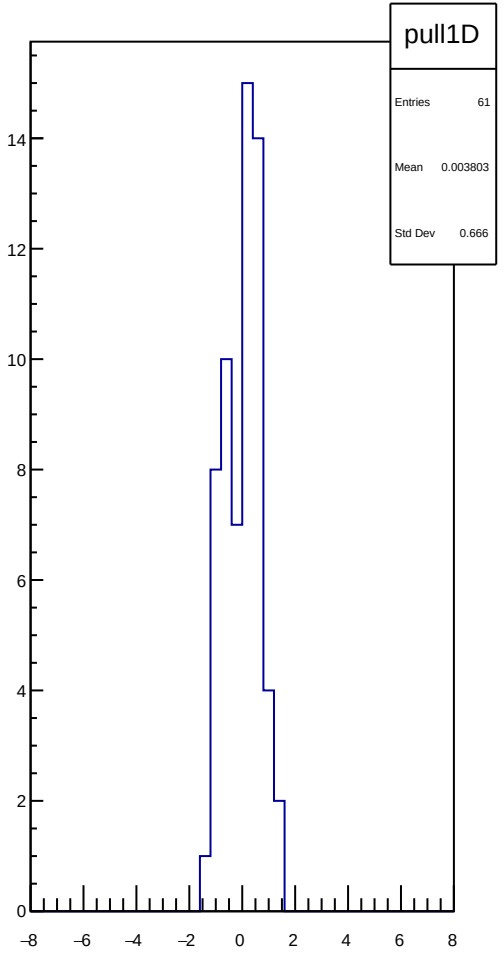

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.3 / 60
p0 −53.57 ± 2.908
pull
Entries 61
Mean 246.5
Std Dev 0

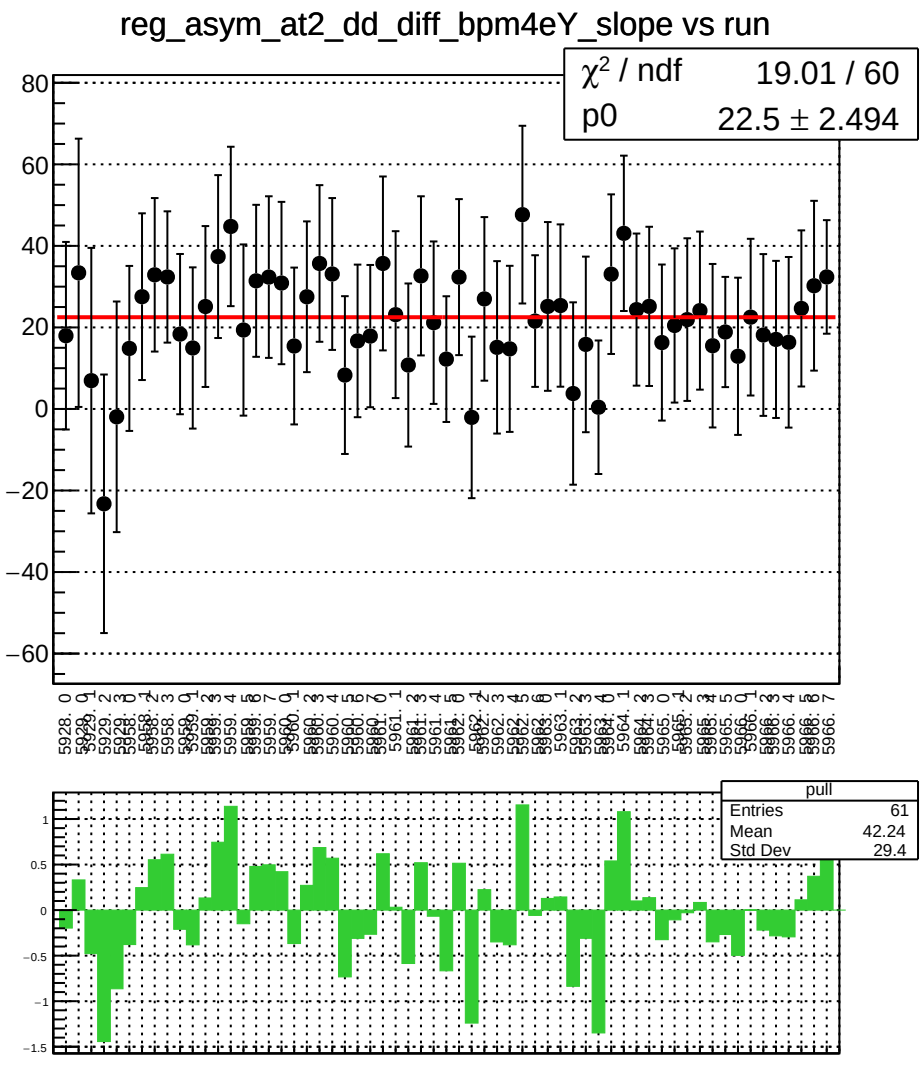

pull1D
Entries 61
Mean −0.01199
Std Dev 0.6689

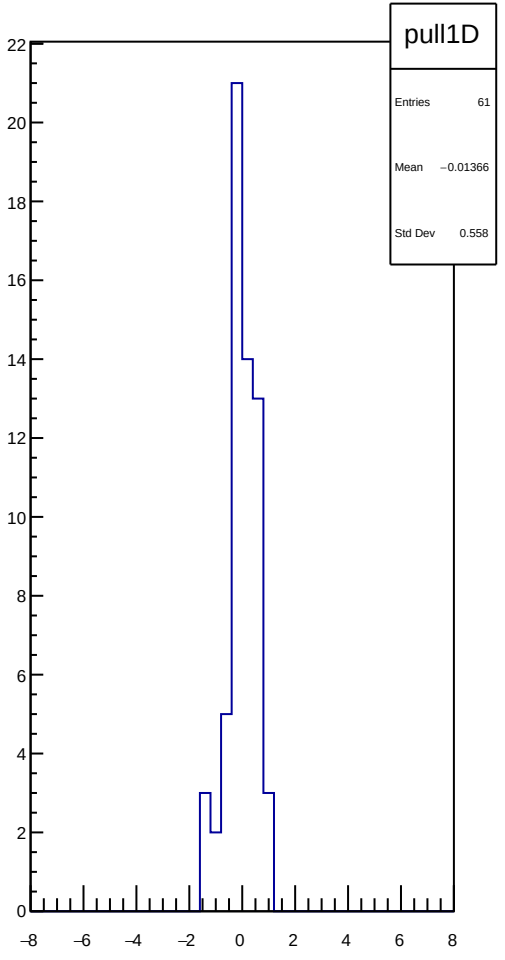

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.27 / 60
p0 −6.837 ± 1.943
pull
Entries 61
Mean 9.338
Std Dev 0

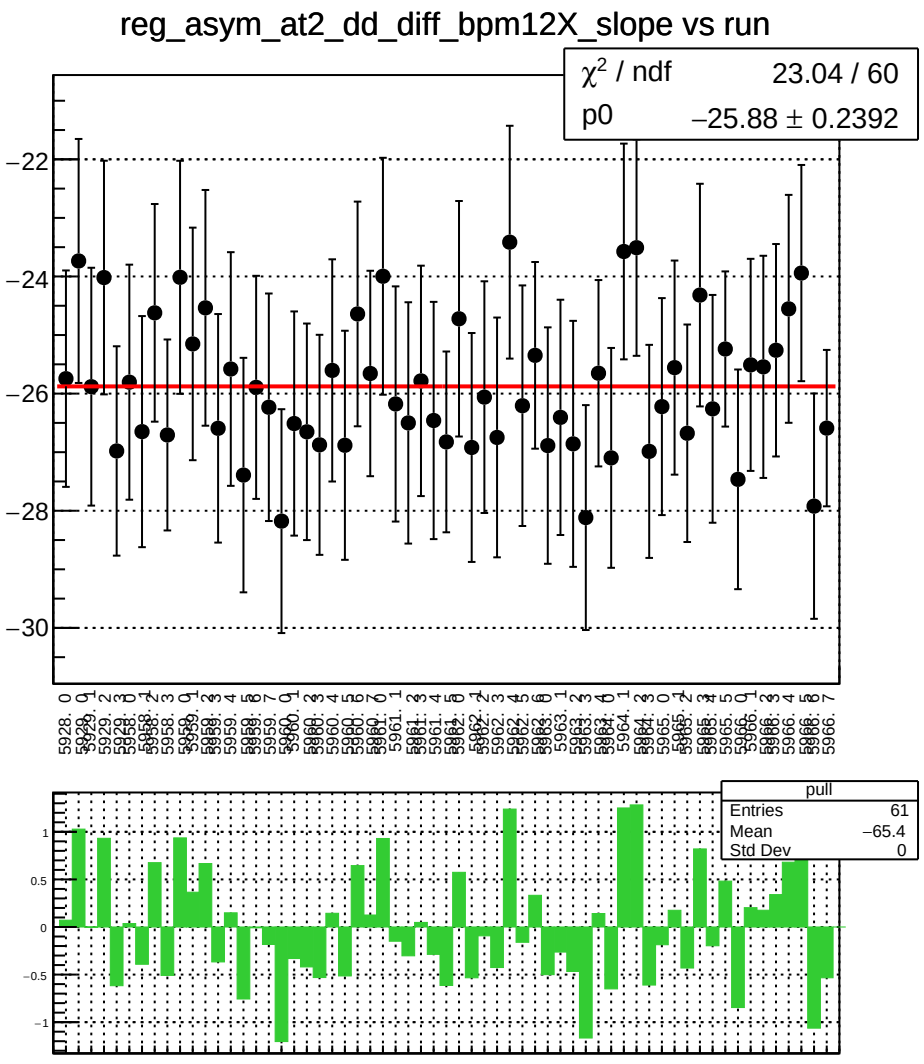

pull1D
Entries 61
Mean 0.0162
Std Dev 0.5471

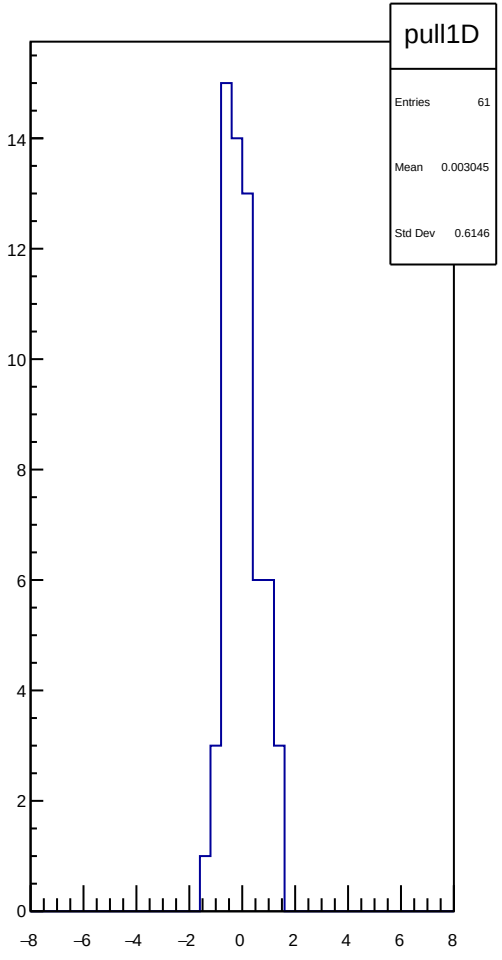

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.06 / 60
p0 143.9 ± 3.005
pull
Entries 61
Mean 359
Std Dev 0

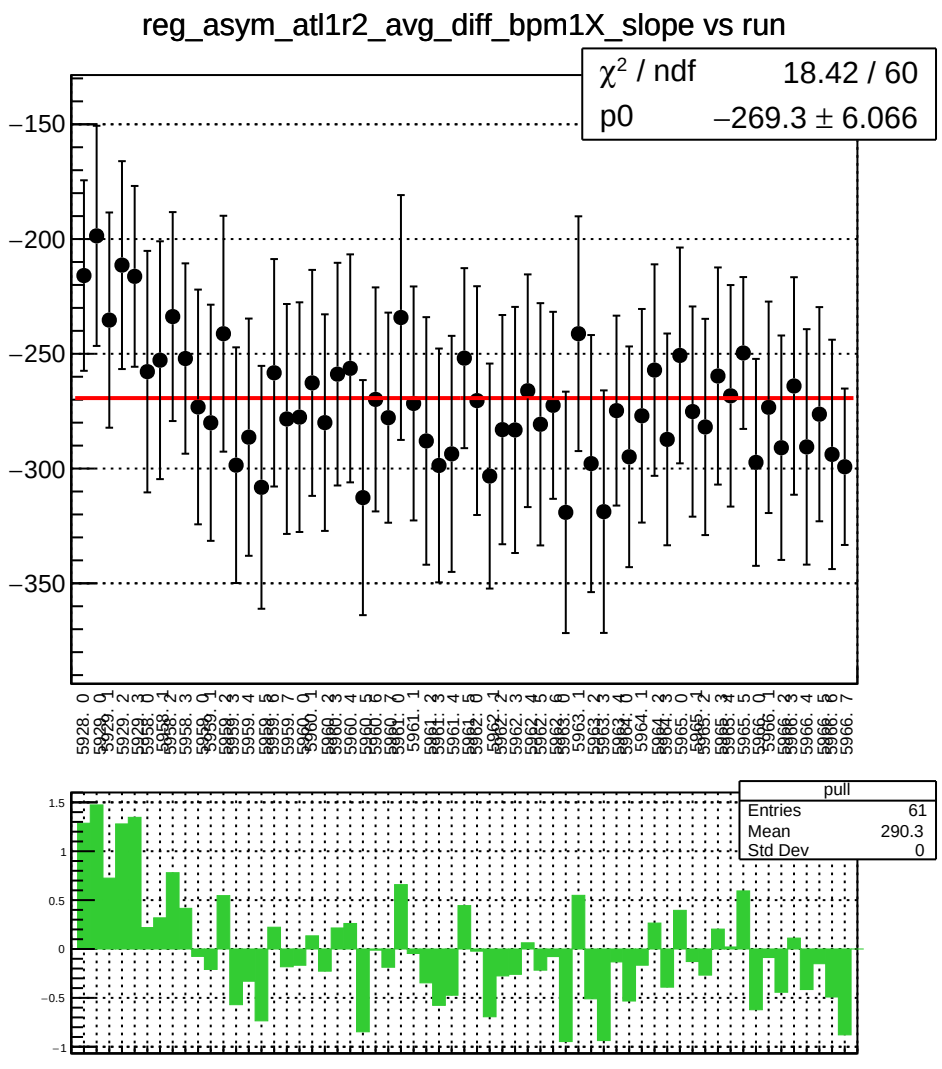

pull1D
Entries 61
Mean 0.003803
Std Dev 0.666

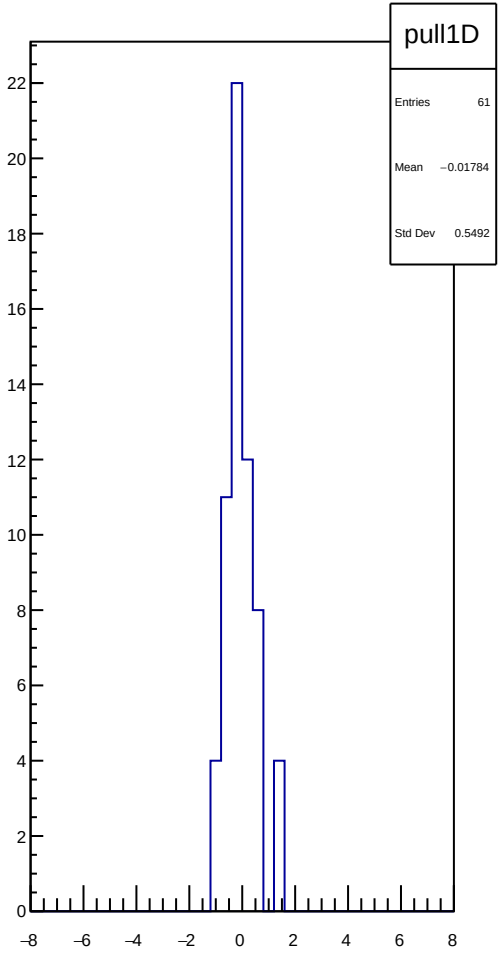

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.01 / 60
p0 22.5 ± 2.494
pull
Entries 61
Mean 42.24
Std Dev 29.4

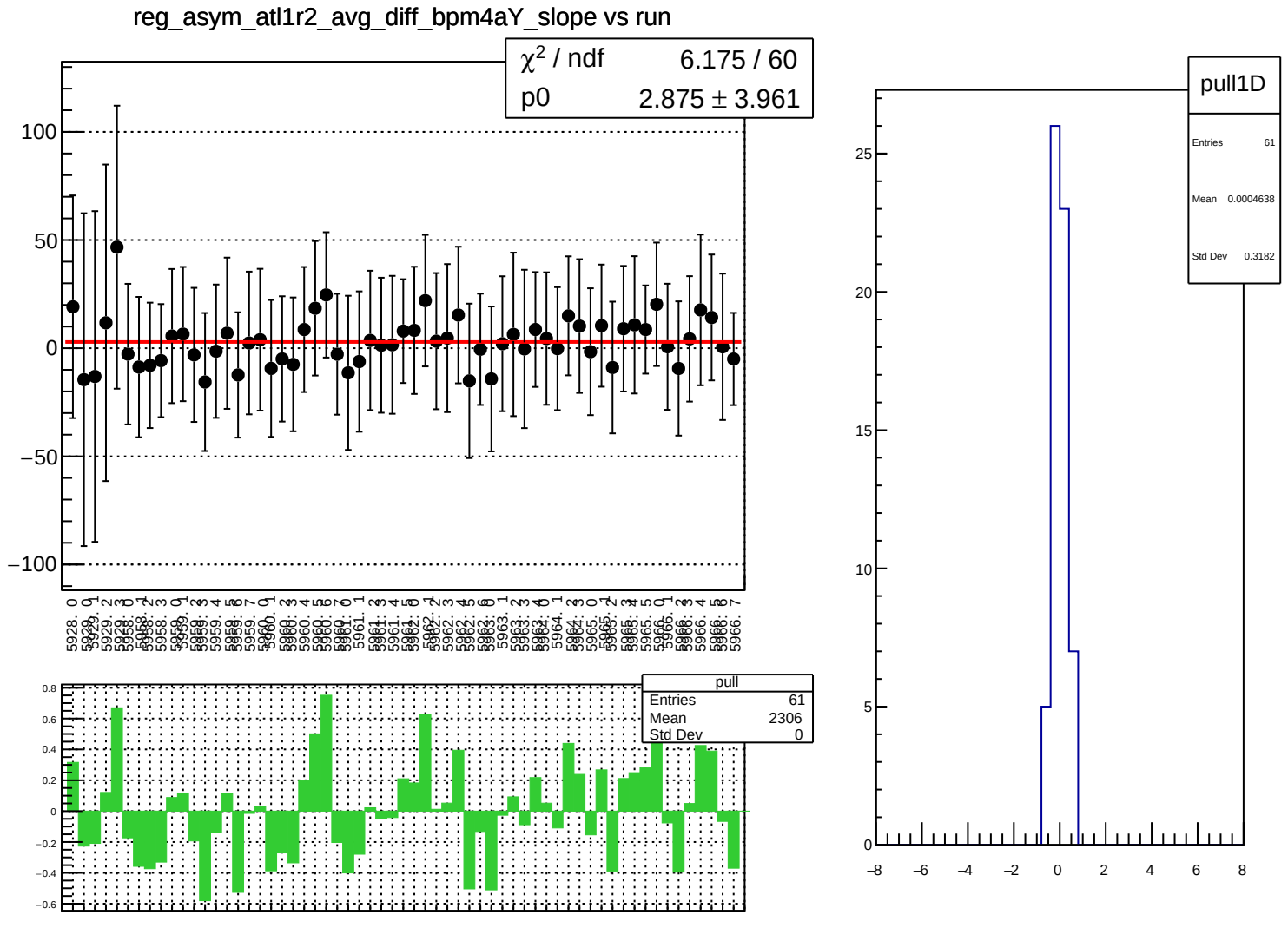

pull1D
Entries 61
Mean −0.01366
Std Dev 0.558

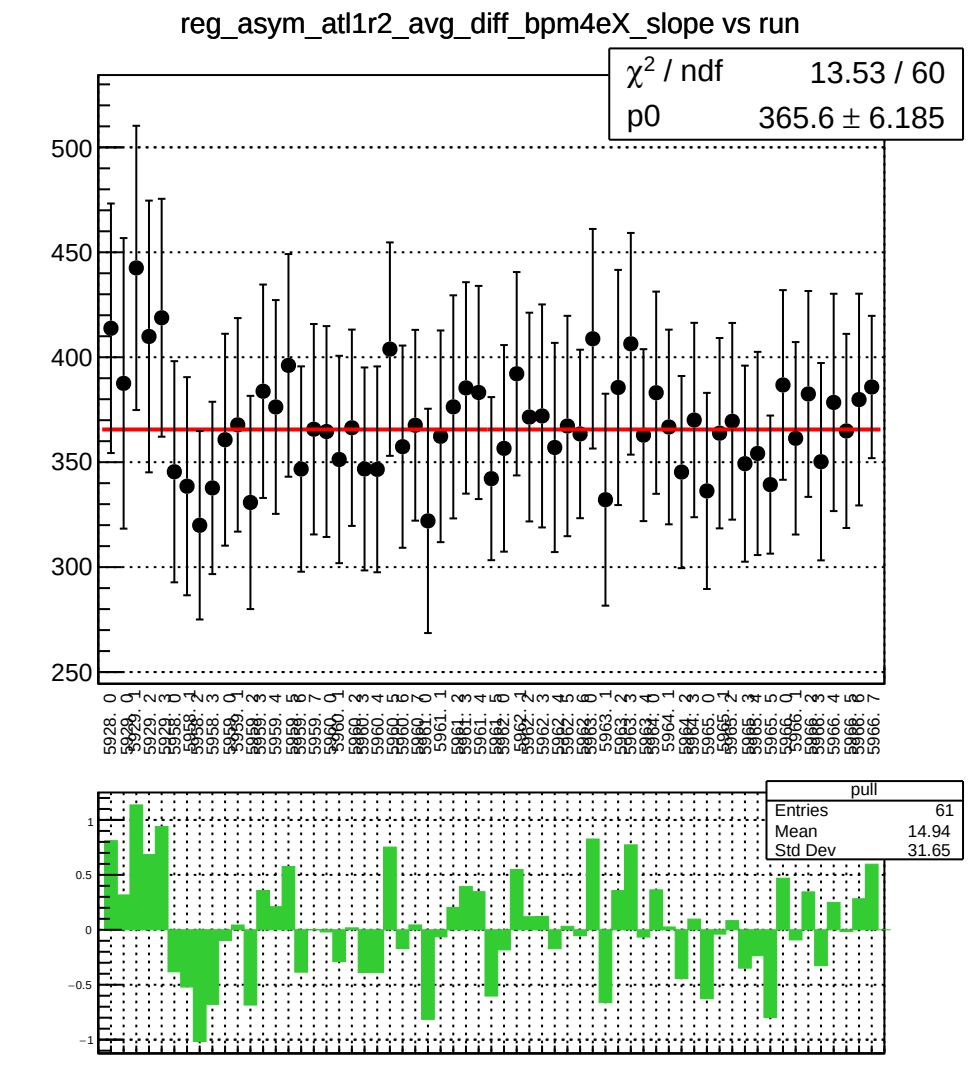

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.04 / 60
p0 −25.88 ± 0.2392
pull
Entries 61
Mean −65.4
Std Dev 0

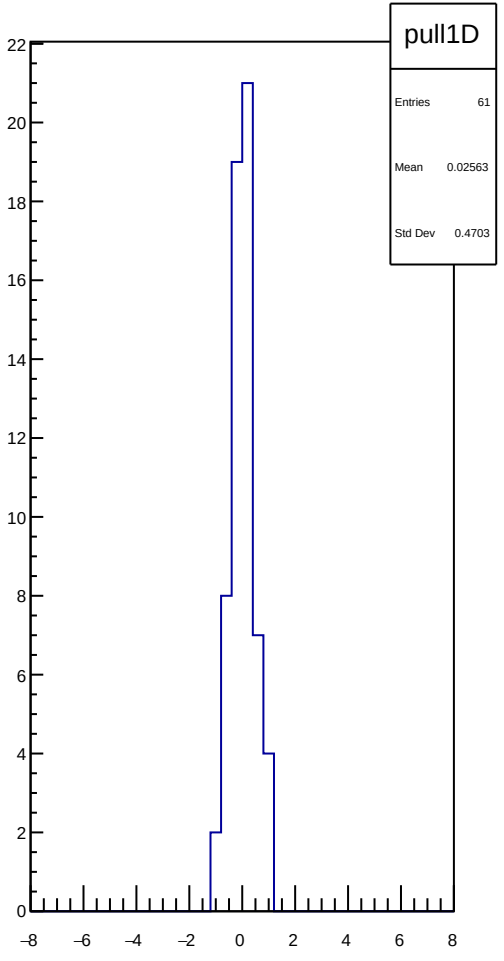

pull1D
Entries 61
Mean 0.003045
Std Dev 0.6146

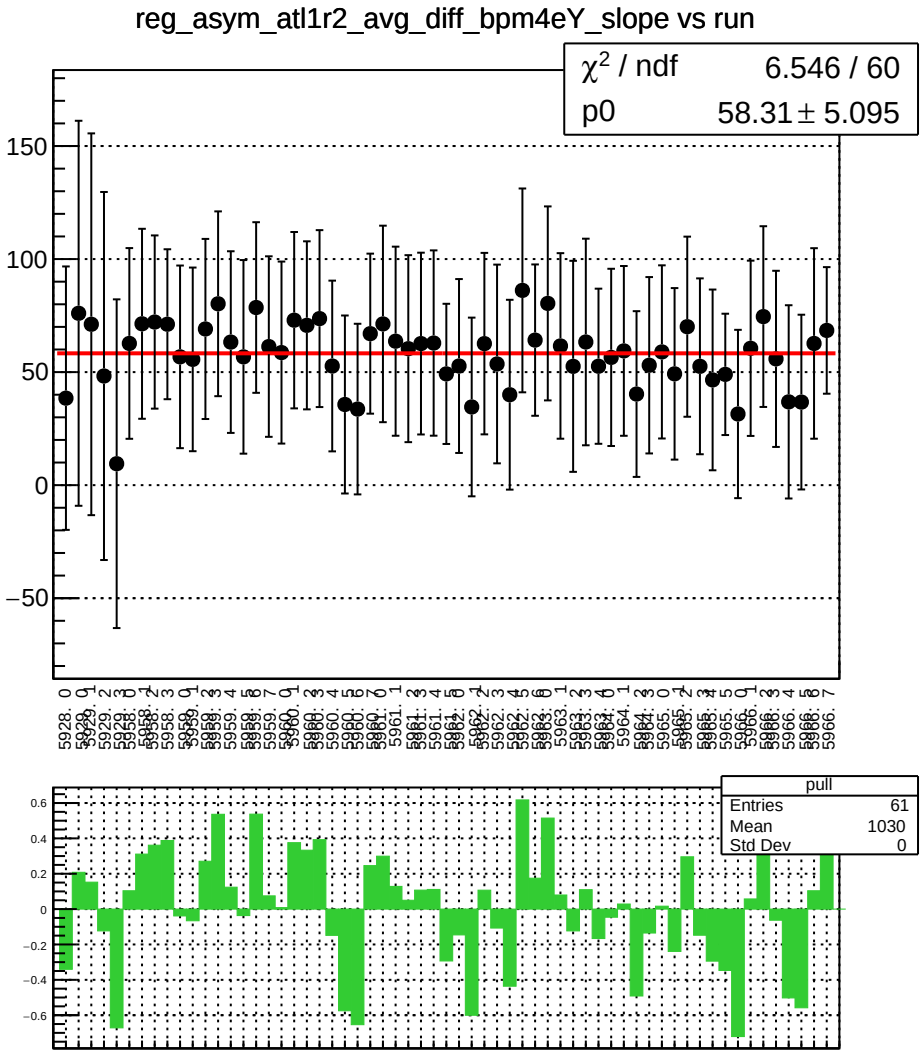

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 18.42 / 60
p0 −269.3 ± 6.066
pull
Entries 61
Mean 290.3
Std Dev 0

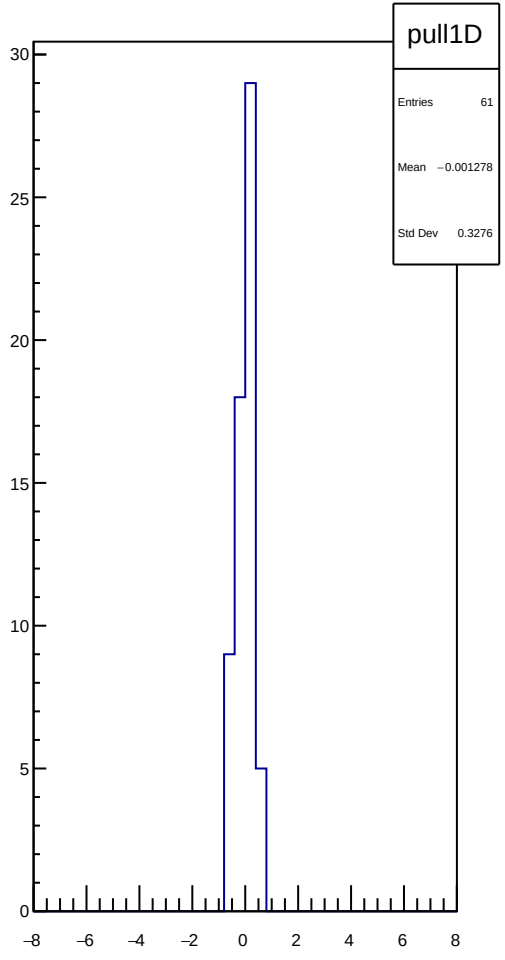

pull1D
Entries 61
Mean −0.01784
Std Dev 0.5492

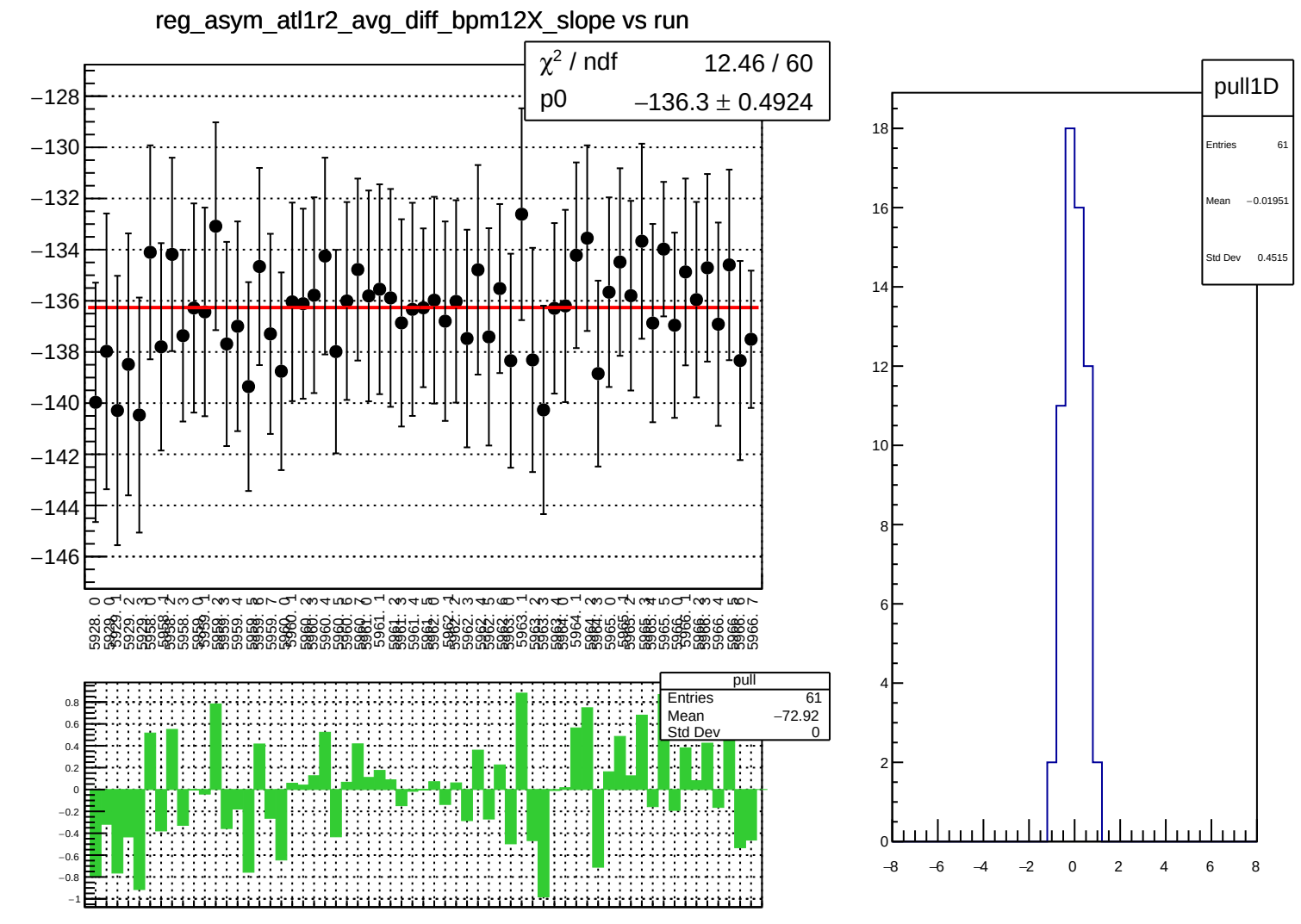

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.175 / 60
p0 2.875 ± 3.961
pull
Entries 61
Mean 2306
Std Dev 0
pull1D
Entries 61
Mean 0.0004638
Std Dev 0.3182

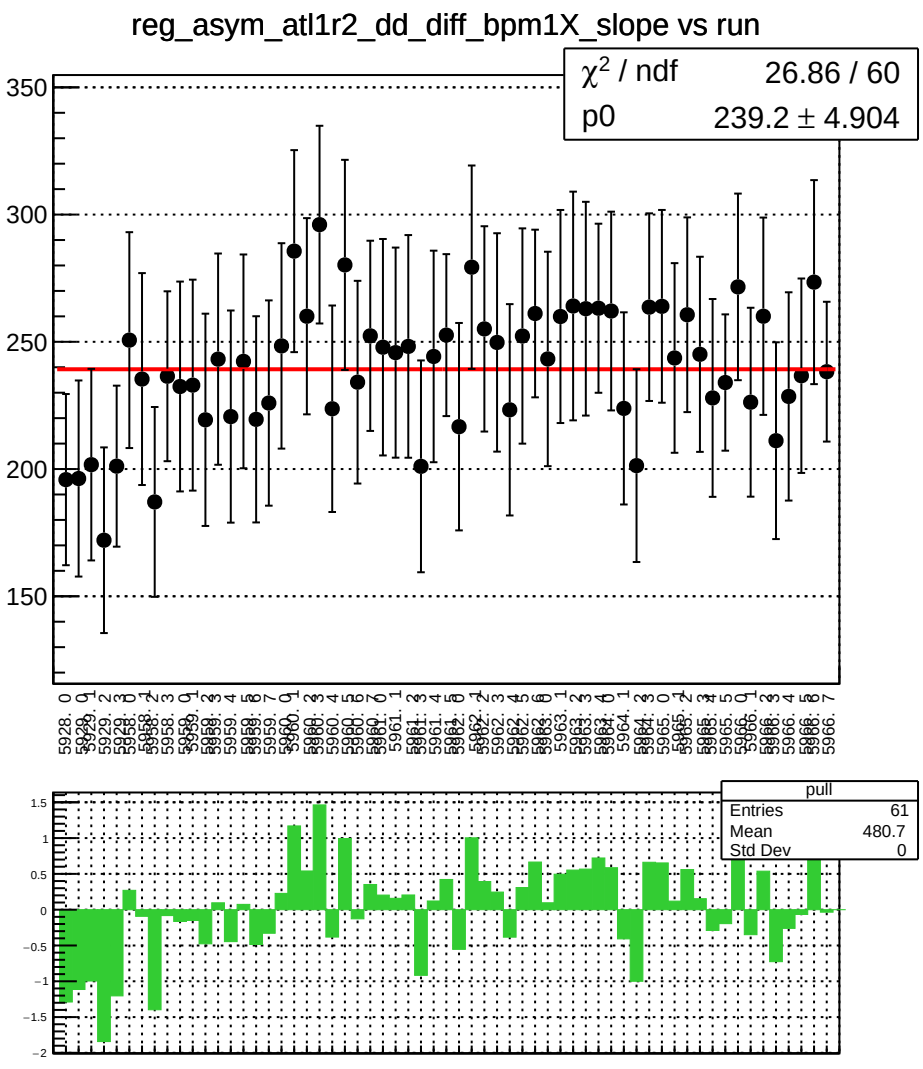

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.53 / 60
p0 365.6 ± 6.185
pull
Entries 61
Mean 14.94
Std Dev 31.65

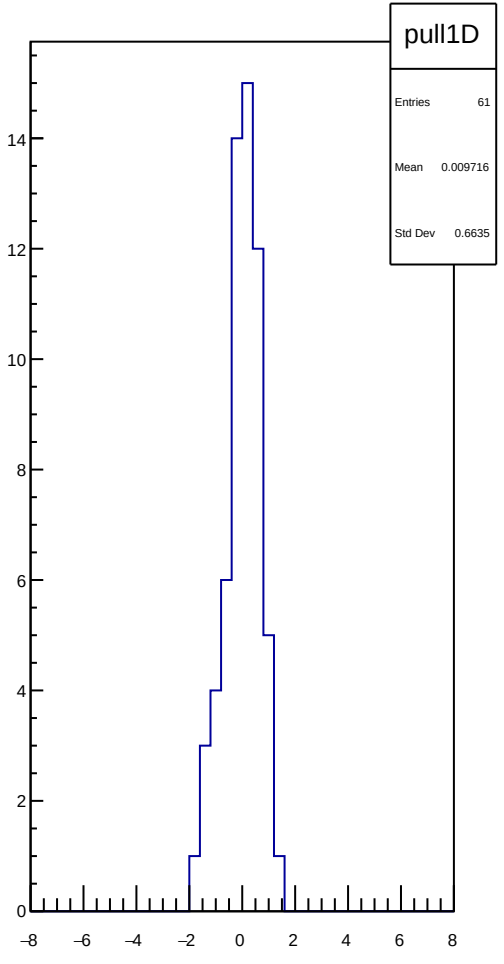

pull1D
Entries 61
Mean 0.02563
Std Dev 0.4703

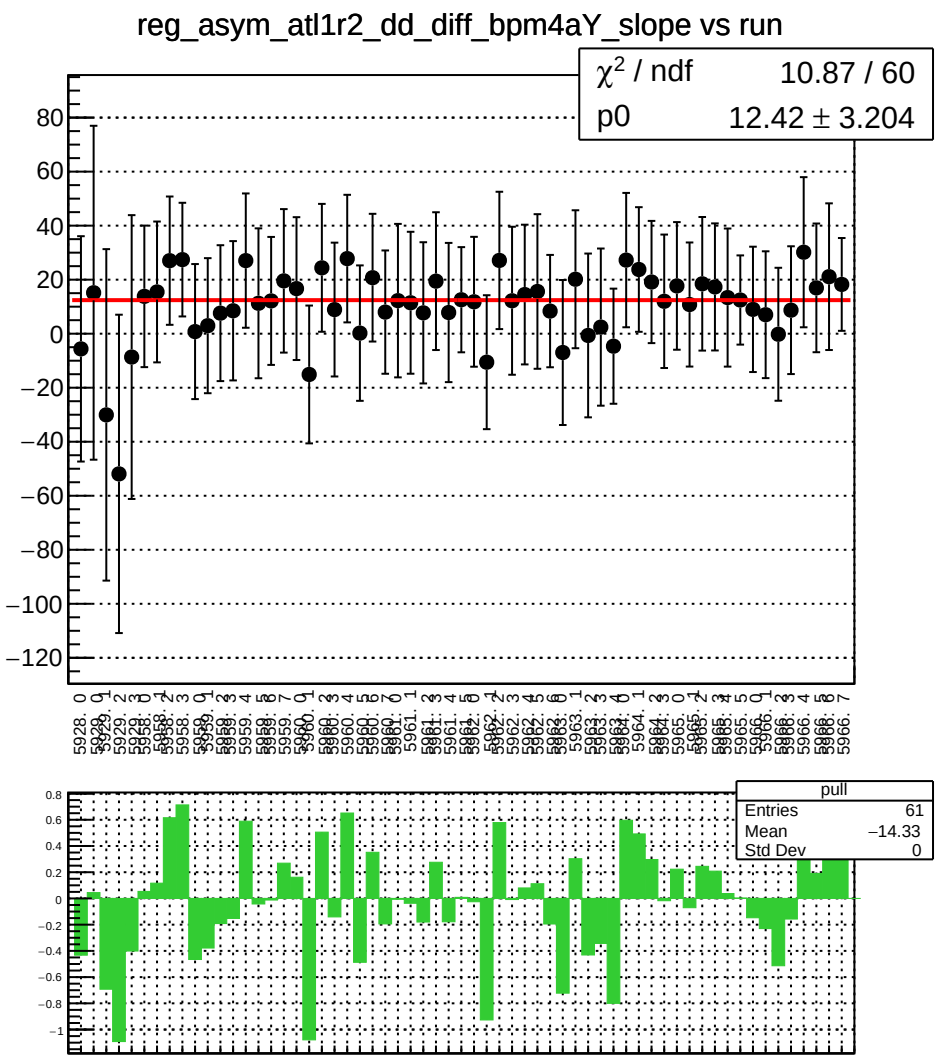

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.546 / 60
p0 58.31 ± 5.095
150
100
50
0
−50
pull
Entries 61
Mean 1030
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

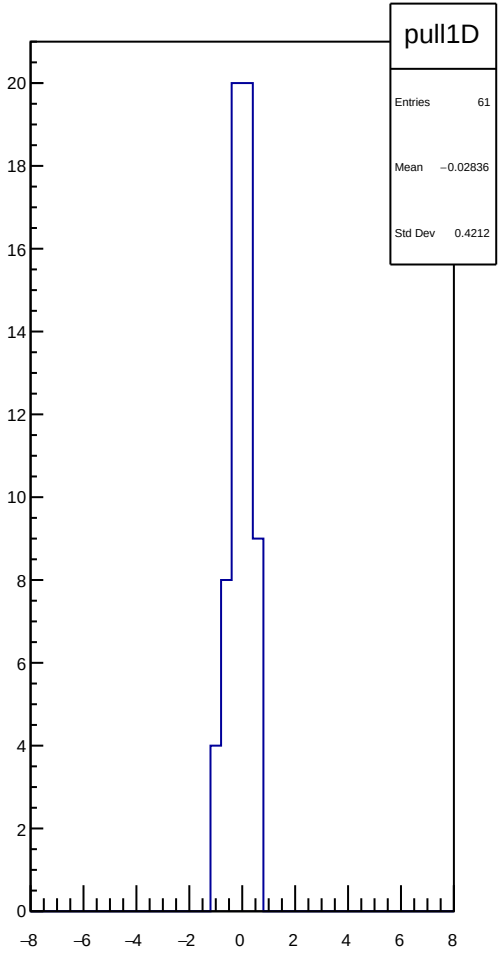

pull1D
Entries 61
Mean −0.001278
Std Dev 0.3276
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

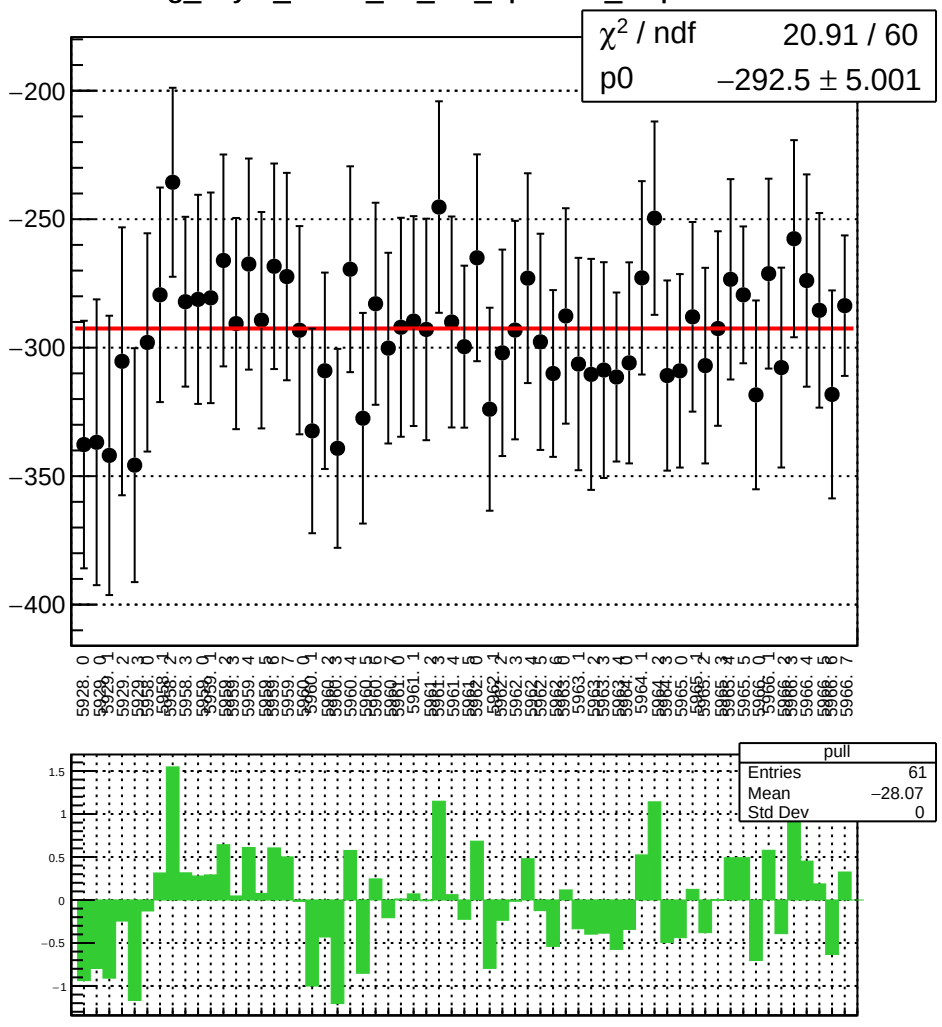

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.46 / 60
p0 −136.3 ± 0.4924
pull
Entries 61
Mean −72.92
Std Dev 0
pull1D
Entries 61
Mean −0.01951
Std Dev 0.4515

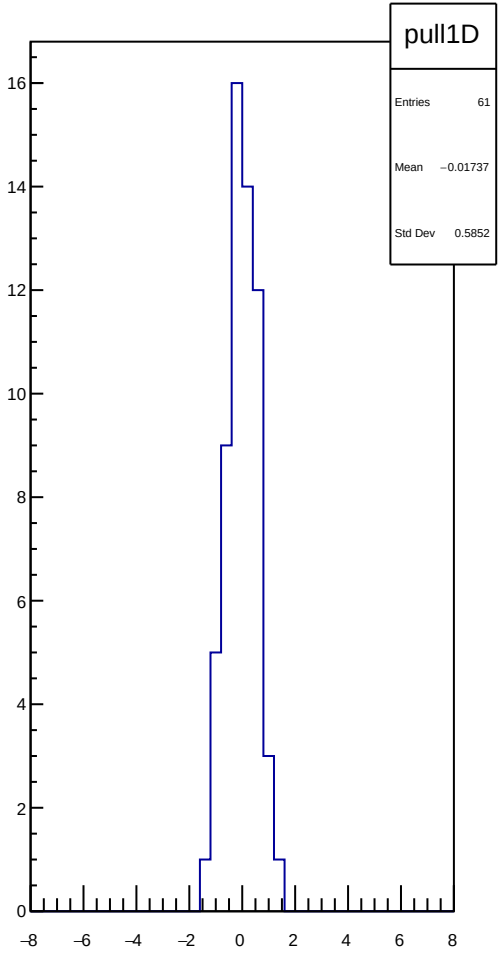

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.86 / 60
p0 239.2 ± 4.904
pull
Entries 61
Mean 480.7
Std Dev 0

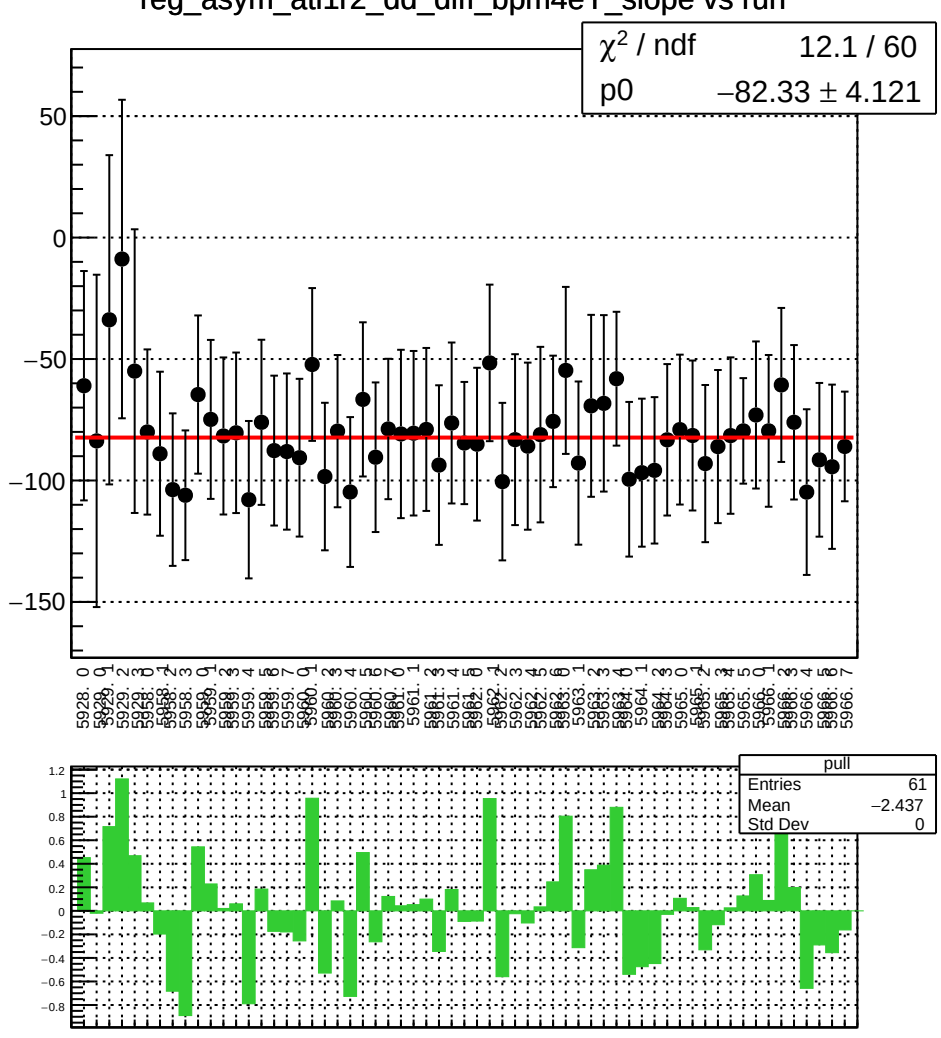

pull1D
Entries 61
Mean 0.009716
Std Dev 0.6635

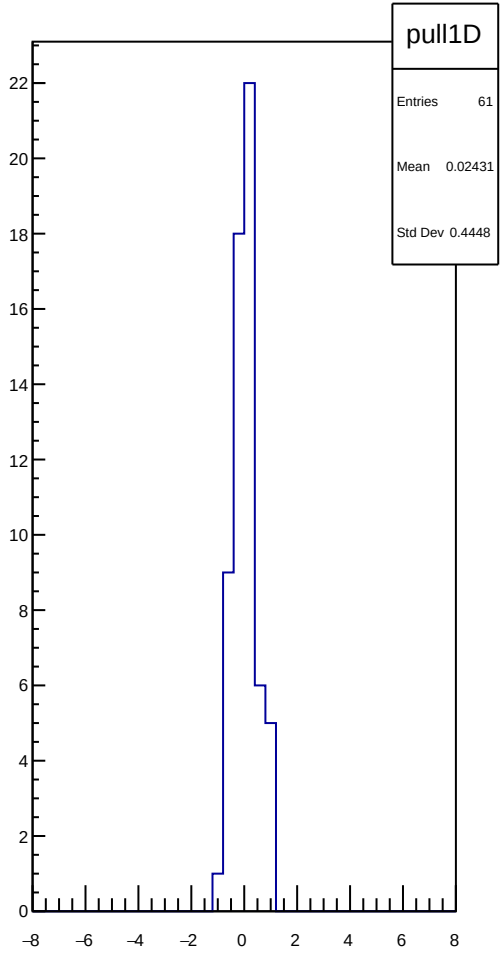

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.87 / 60
p0 12.42 ± 3.204
pull
Entries 61
Mean −14.33
Std Dev 0

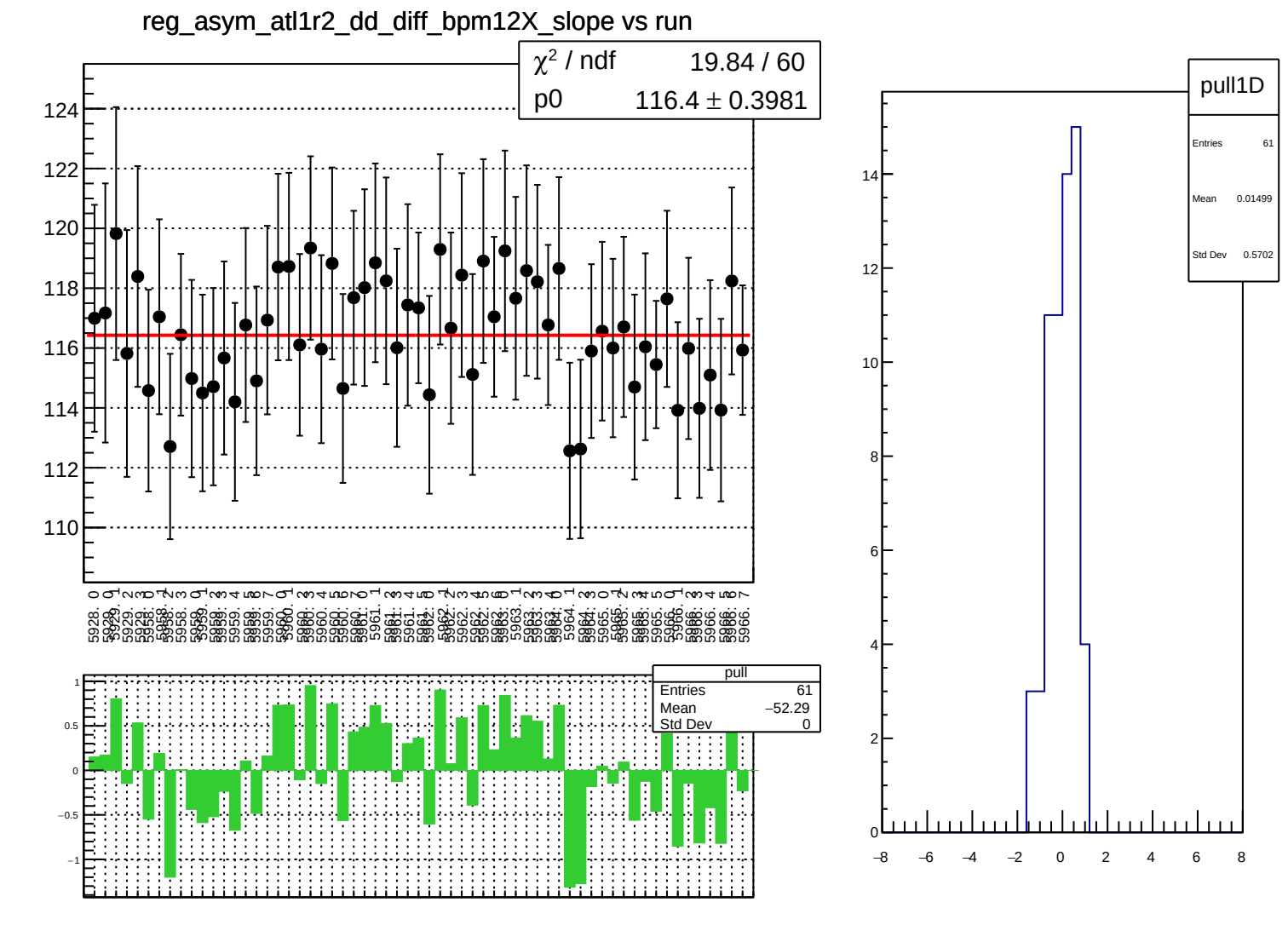

pull1D
Entries 61
Mean −0.02836
Std Dev 0.4212

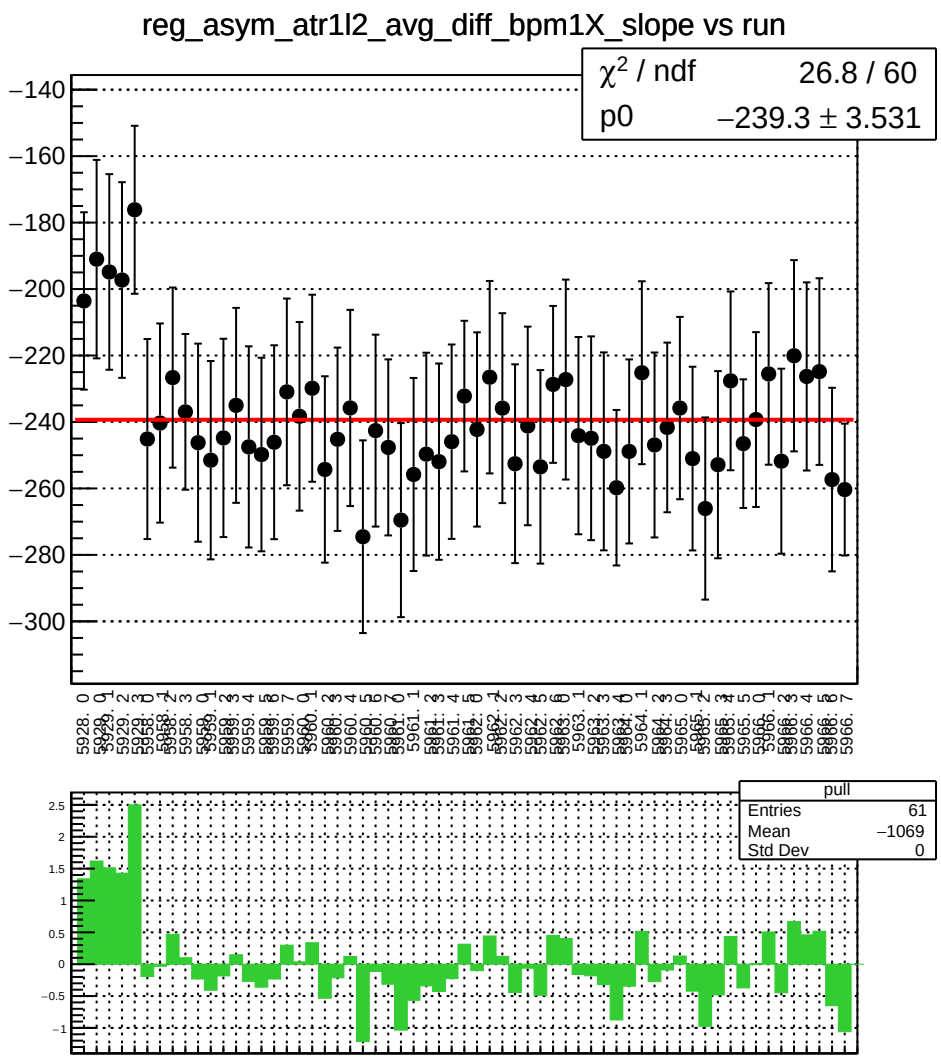

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.91 / 60
p0 −292.5 ± 5.001
pull
Entries 61
Mean −28.07
Std Dev 0

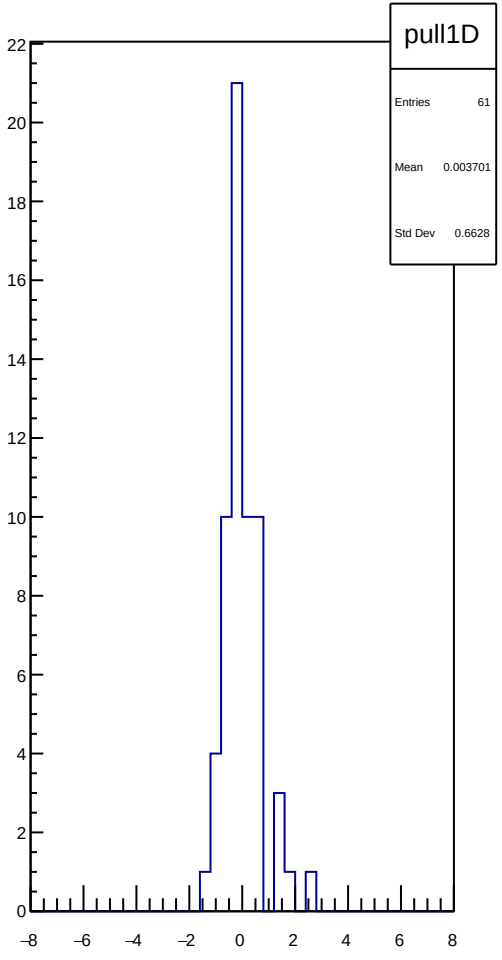

pull1D
Entries 61
Mean −0.01737
Std Dev 0.5852

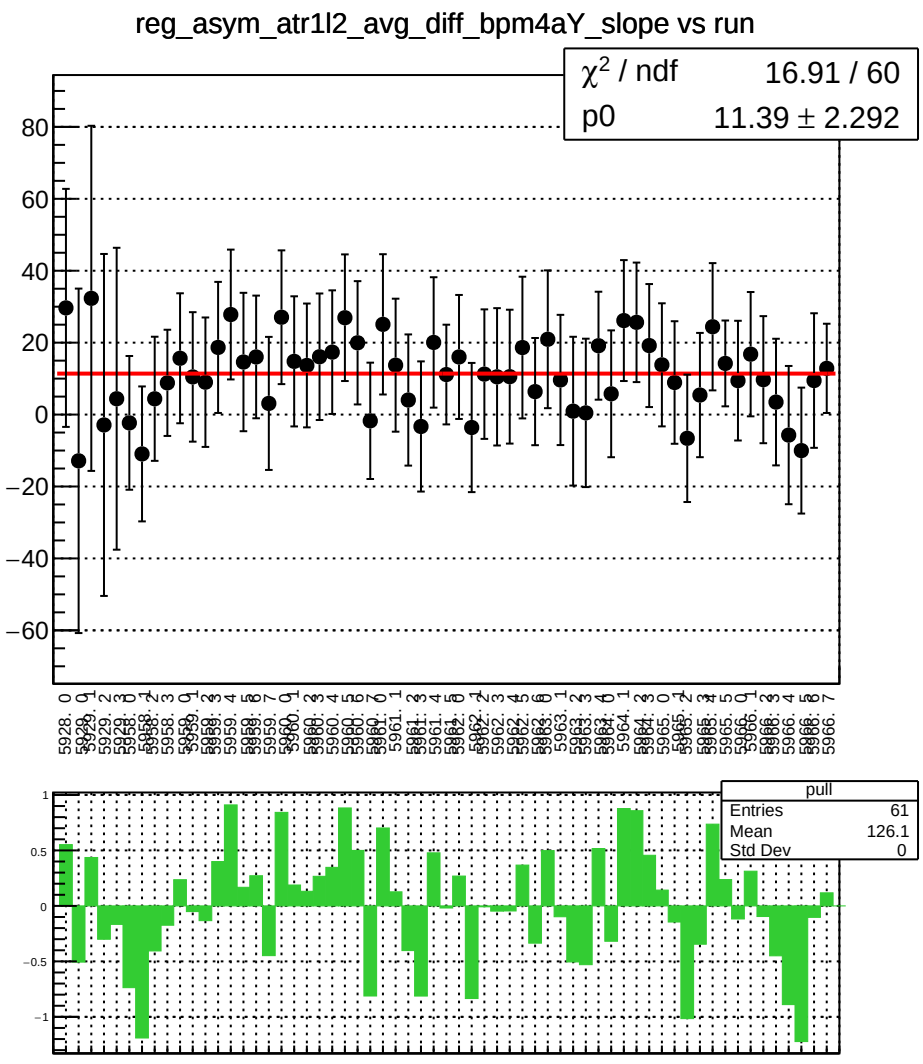

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.1 / 60
p0 −82.33 ± 4.121
pull
Entries 61
Mean −2.437
Std Dev 0

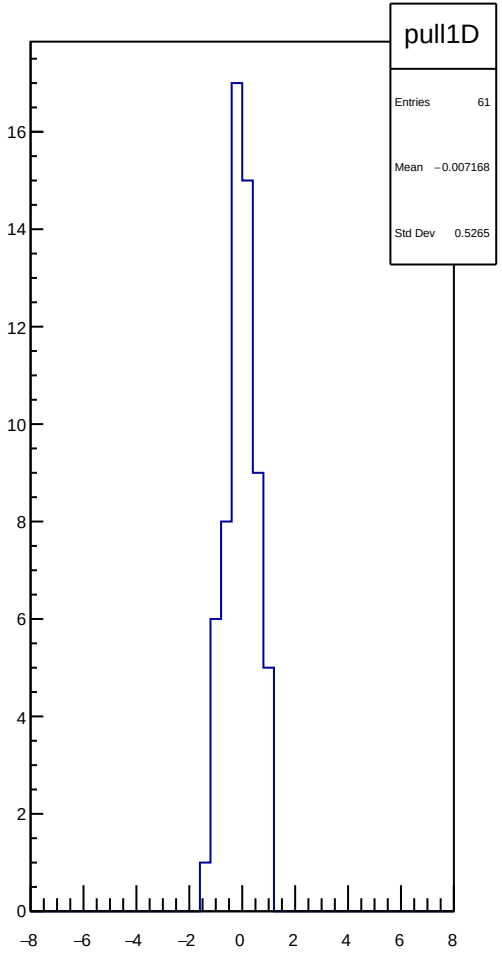

pull1D
Entries 61
Mean 0.02431
Std Dev 0.4448

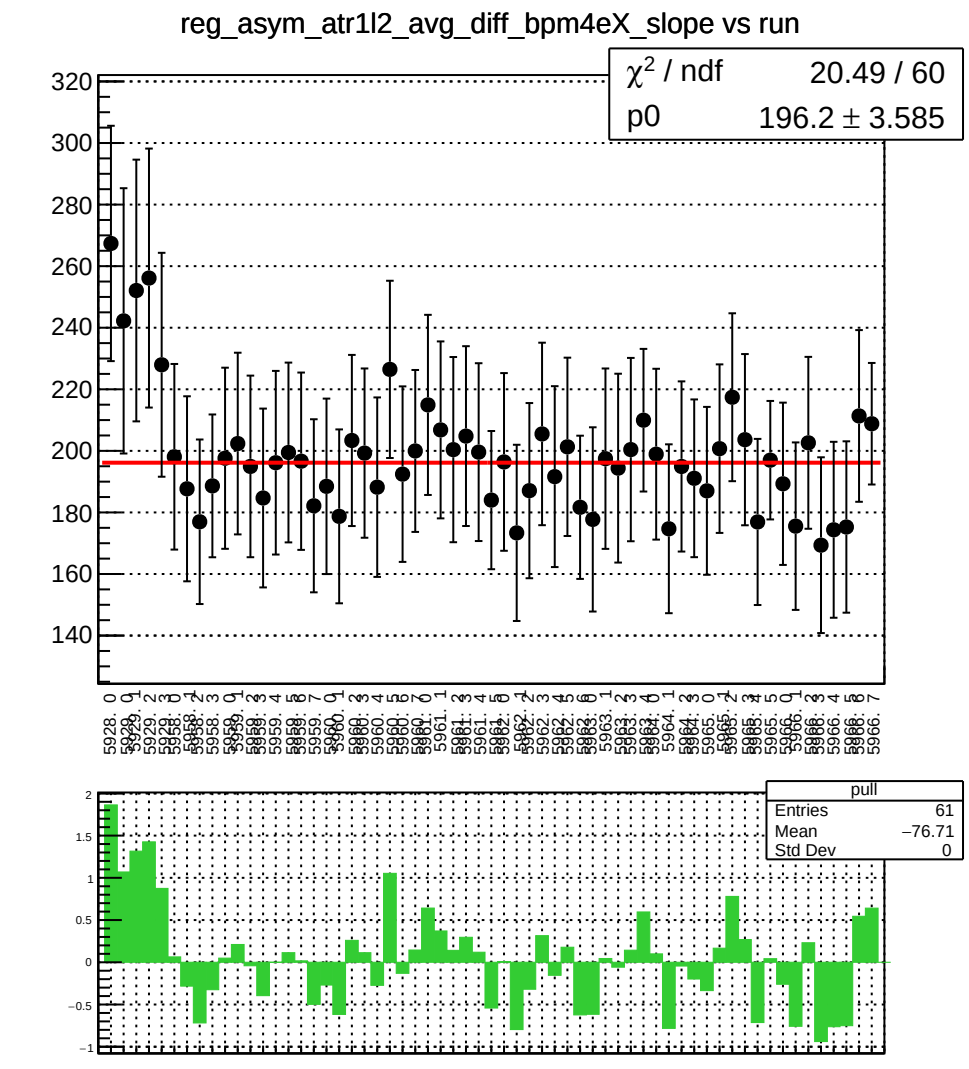

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.84 / 60
p0 116.4 ± 0.3981
pull
Entries 61
Mean −52.29
Std Dev 0
pull1D
Entries 61
Mean 0.01499
Std Dev 0.5702

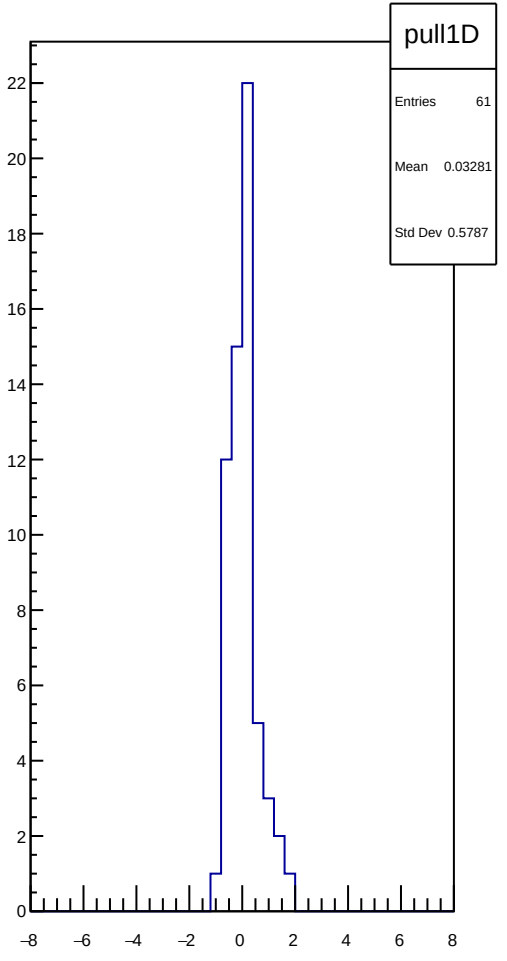

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 26.8 / 60
p0 −239.3 ± 3.531
pull
Entries 61
Mean −1069
Std Dev 0

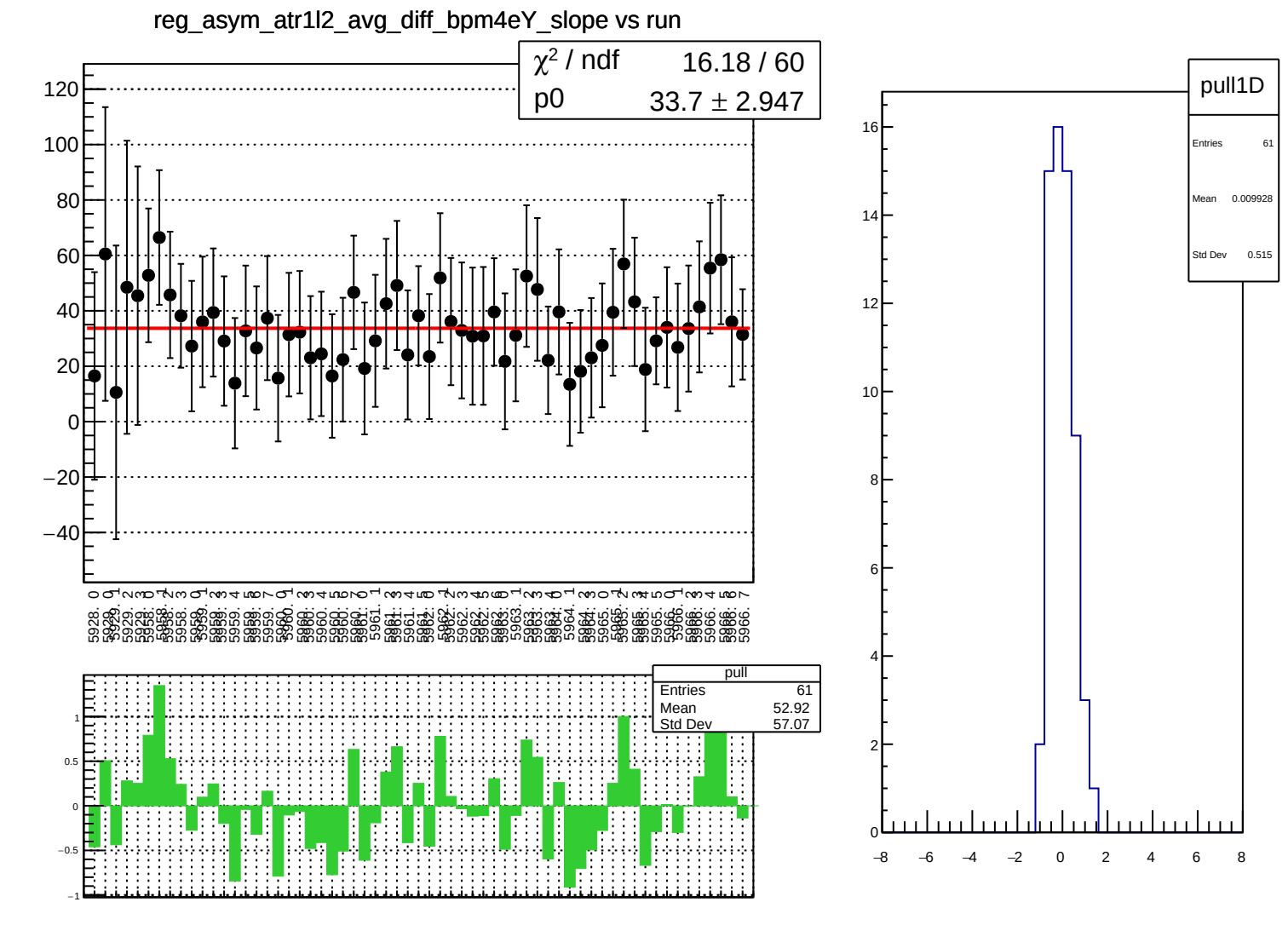

pull1D
Entries 61
Mean 0.003701
Std Dev 0.6628

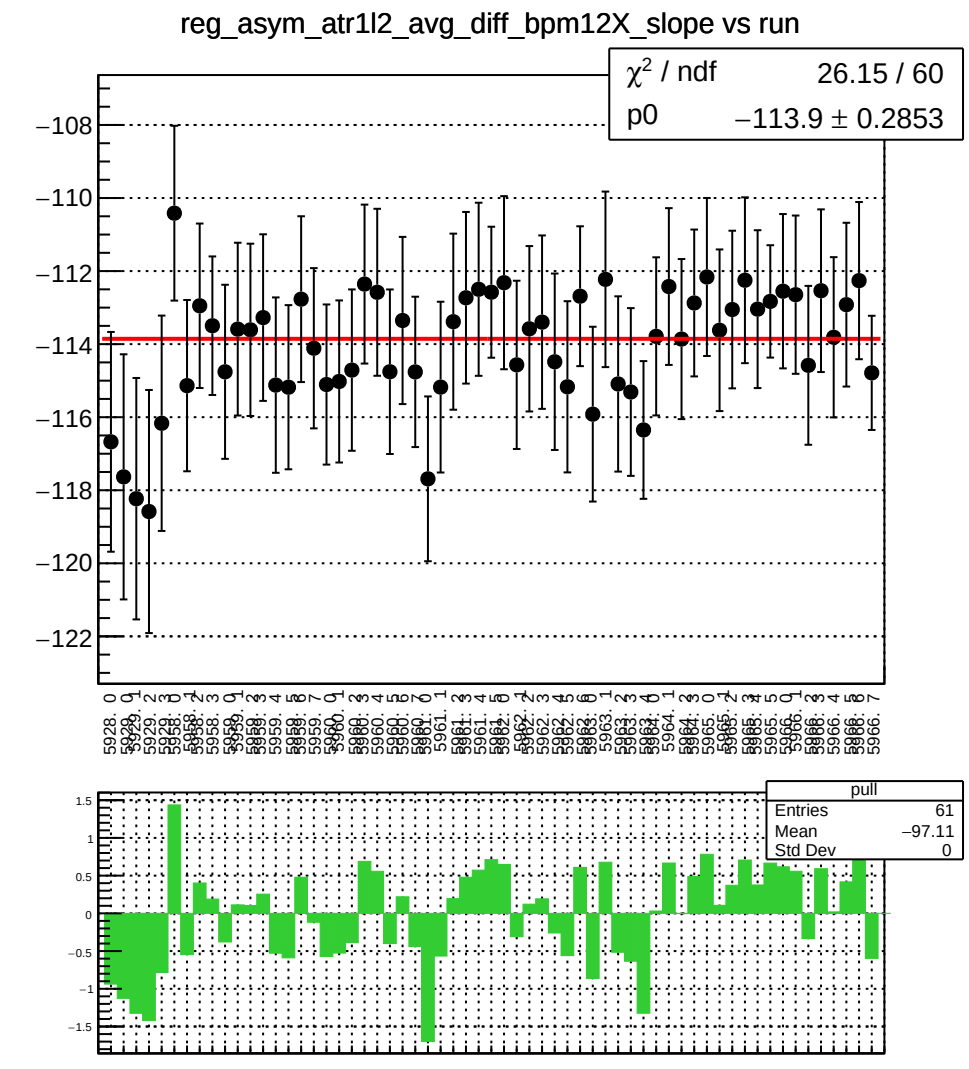

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.91 / 60
p0 11.39 ± 2.292
pull
Entries 61
Mean 126.1
Std Dev 0

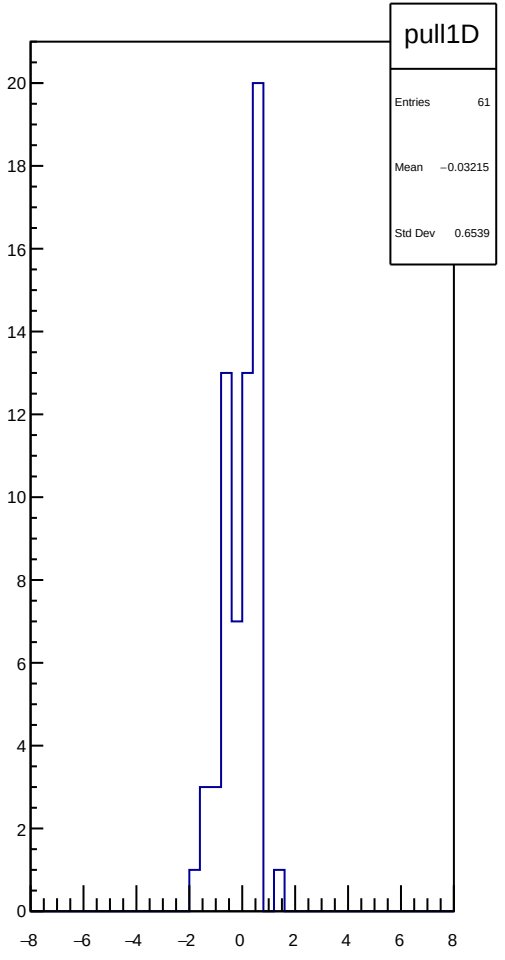

pull1D
Entries 61
Mean −0.007168
Std Dev 0.5265

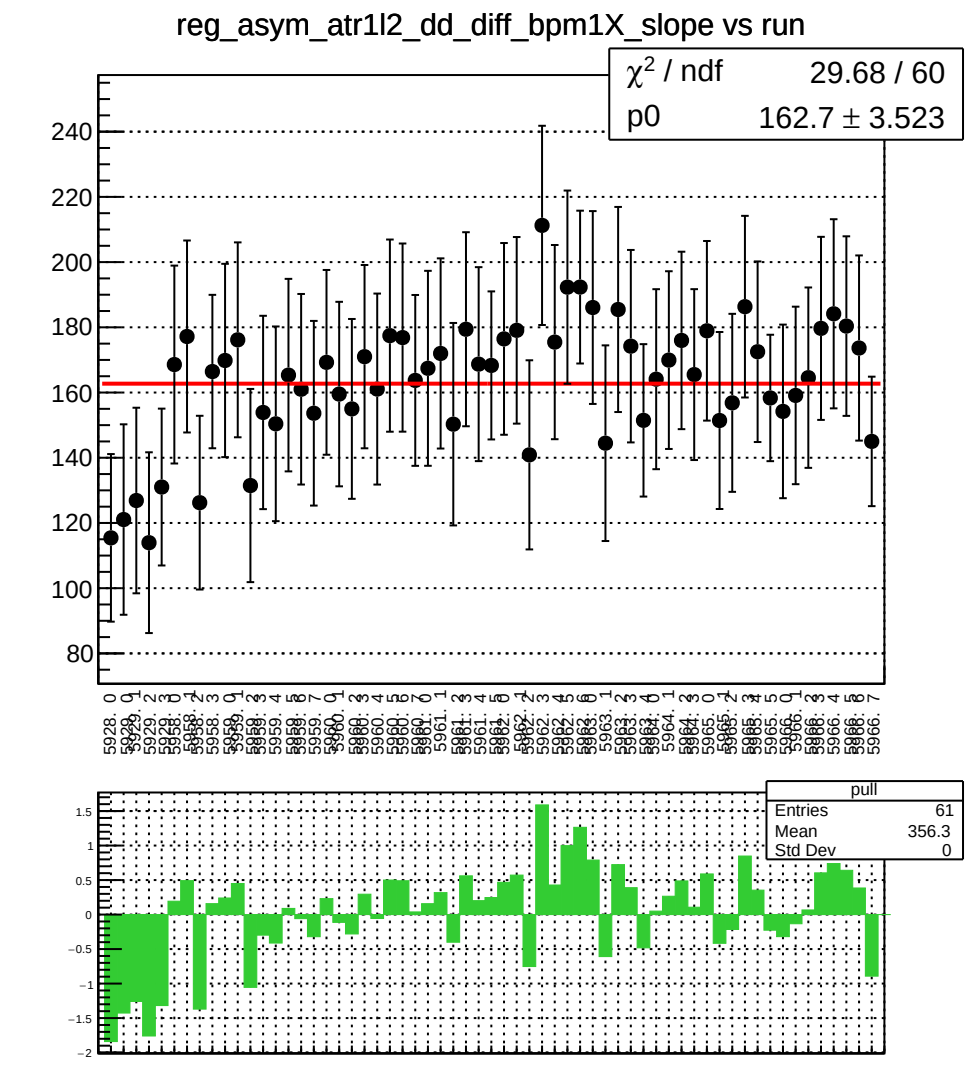

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.49 / 60
p0 196.2 ± 3.585
pull
Entries 61
Mean −76.71
Std Dev 0

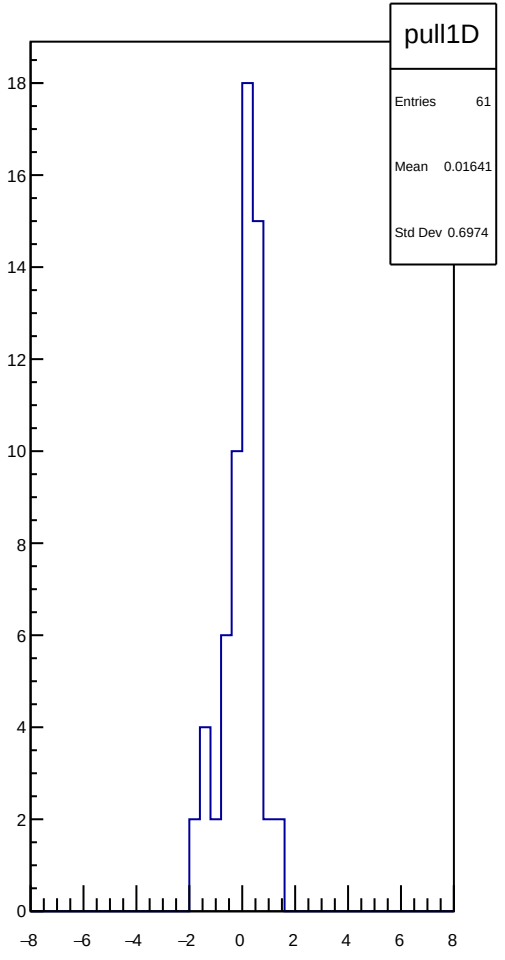

pull1D
Entries 61
Mean 0.03281
Std Dev 0.5787

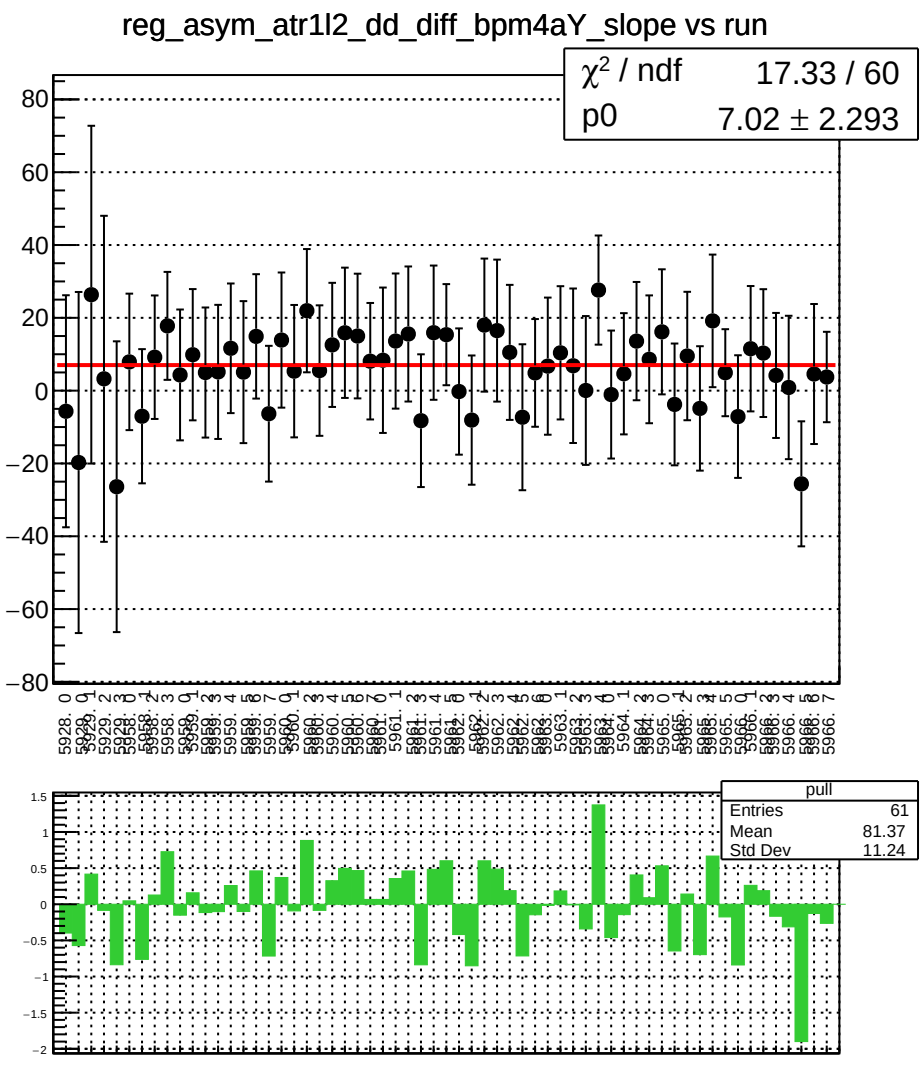

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.18 / 60
p0 33.7 ± 2.947
pull
Entries 61
Mean 52.92
Std Dev 57.07
pull1D
Entries 61
Mean 0.009928
Std Dev 0.515

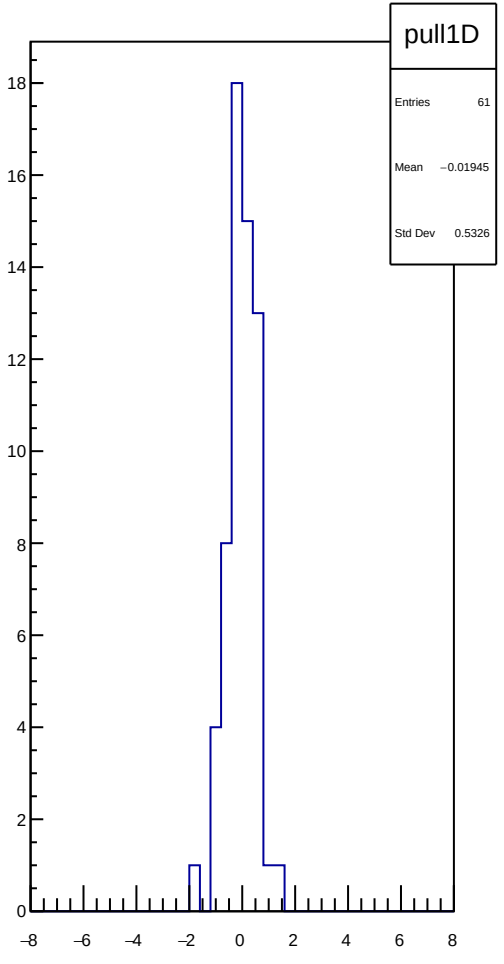

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.15 / 60
p0 −113.9 ± 0.2853
pull
Entries 61
Mean −97.11
Std Dev 0

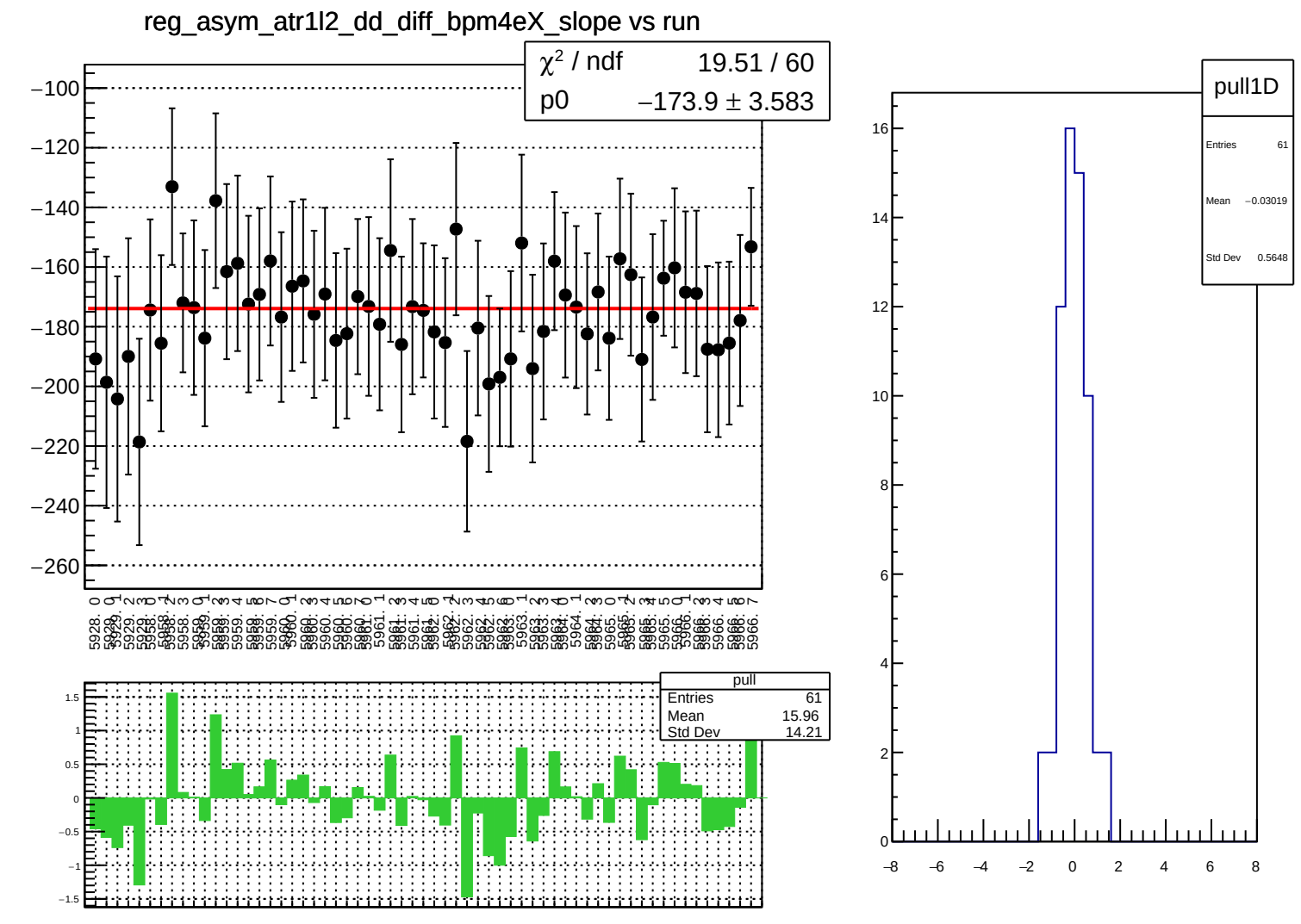

pull1D
Entries 61
Mean −0.03215
Std Dev 0.6539

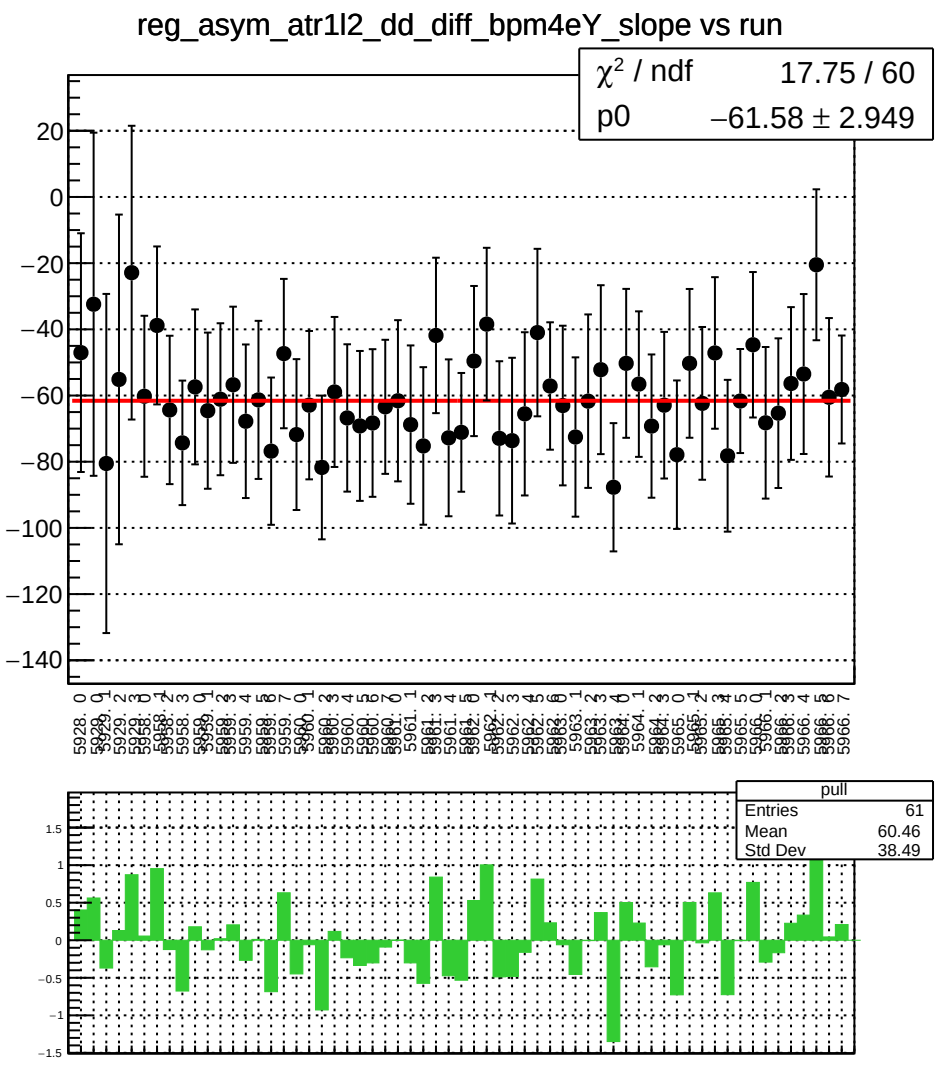

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 29.68 / 60
p0 162.7 ± 3.523
pull
Entries 61
Mean 356.3
Std Dev 0

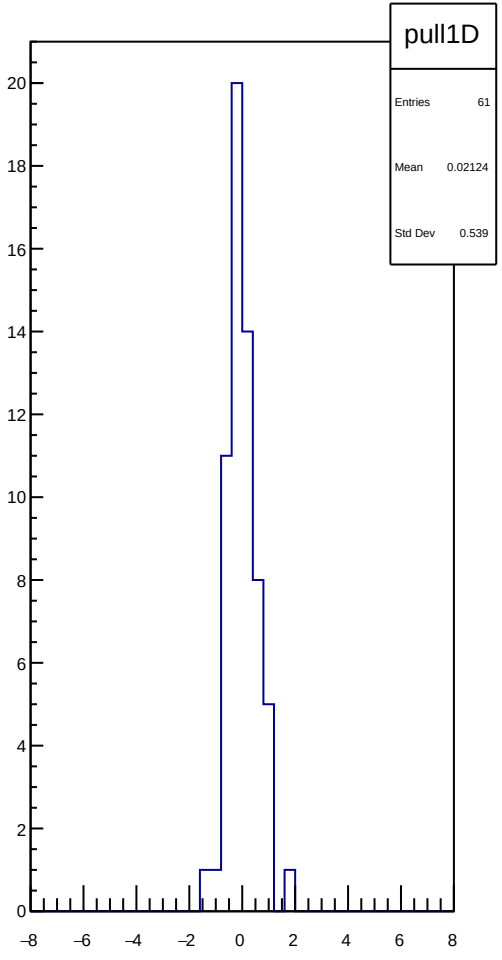

pull1D
Entries 61
Mean 0.01641
Std Dev 0.6974

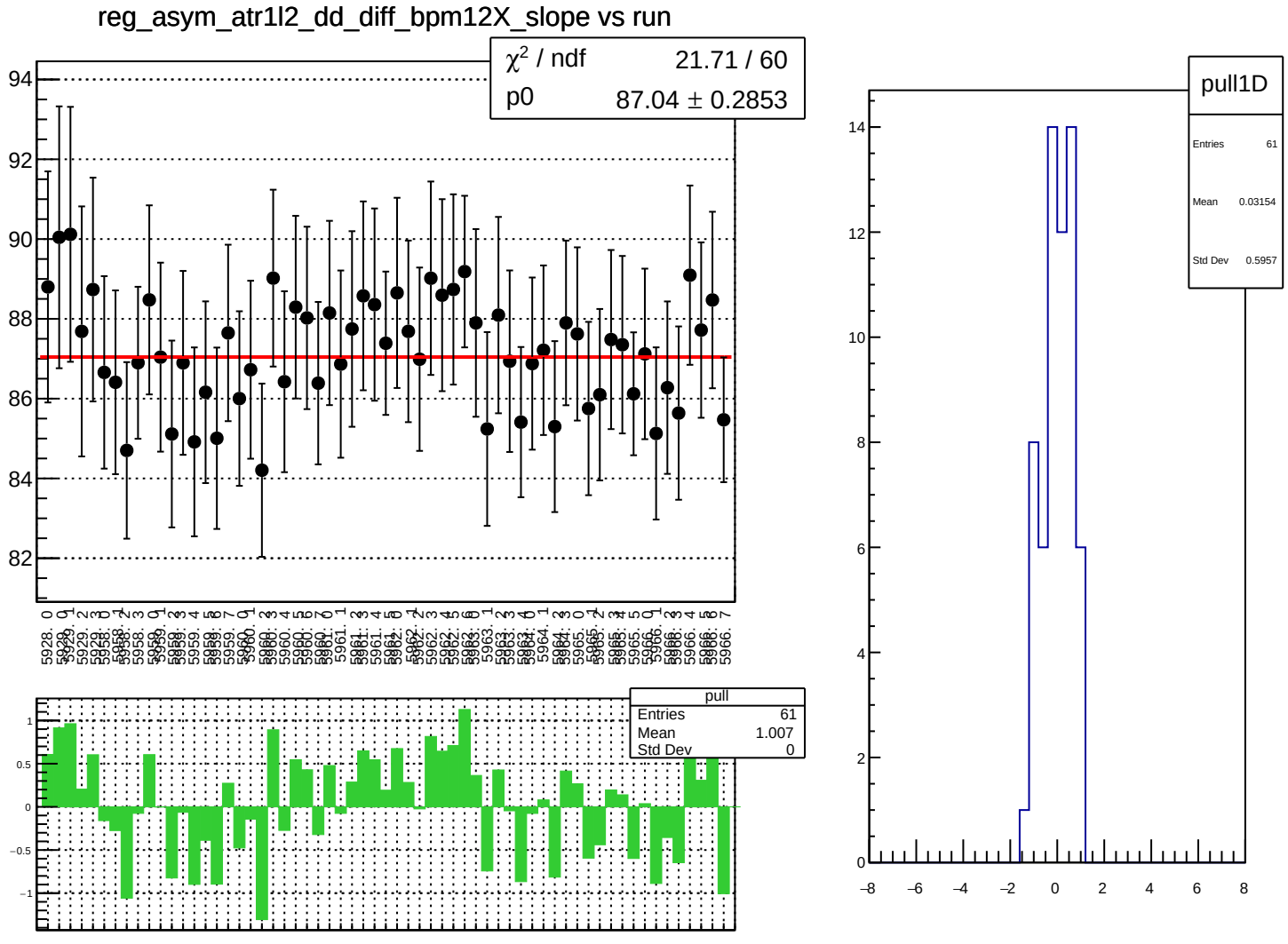

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.33 / 60
p0 7.02 ± 2.293
pull
Entries 61
Mean 81.37
Std Dev 11.24

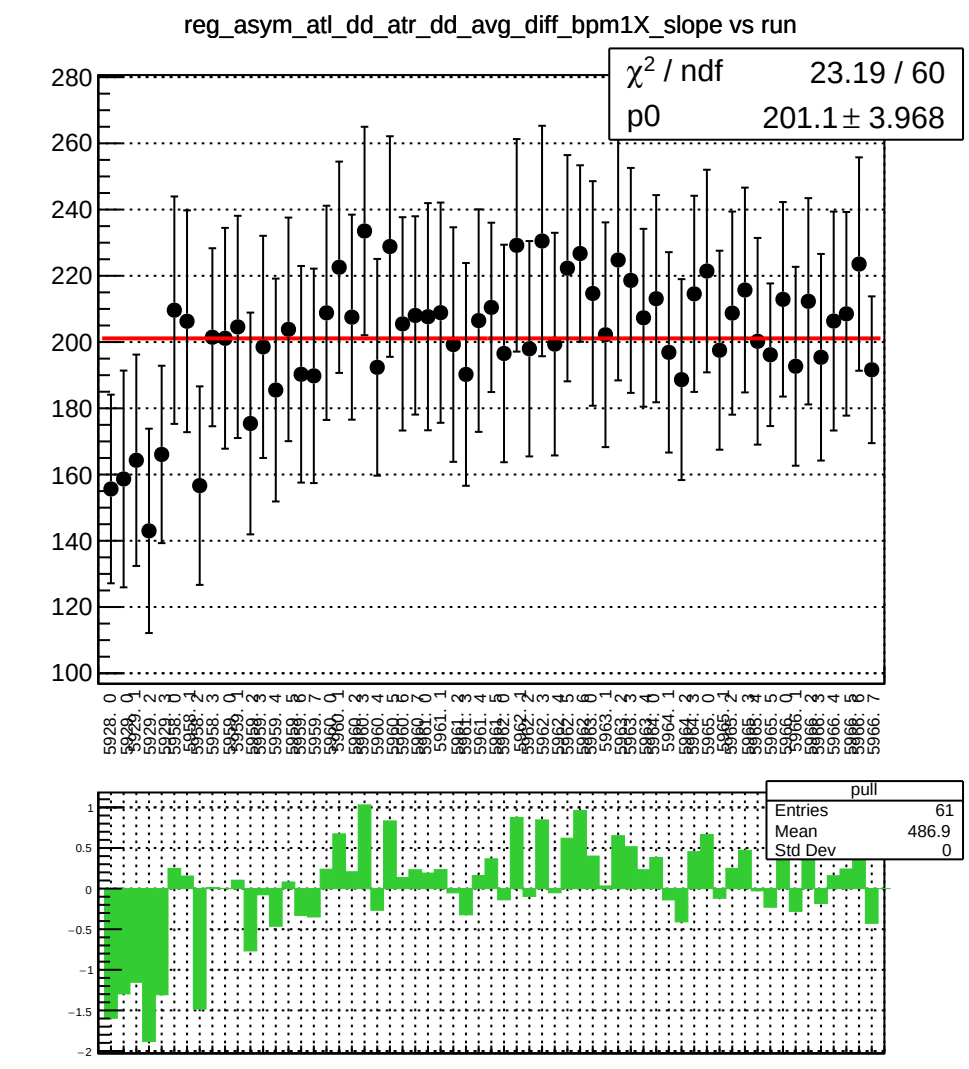

pull1D
Entries 61
Mean −0.01945
Std Dev 0.5326

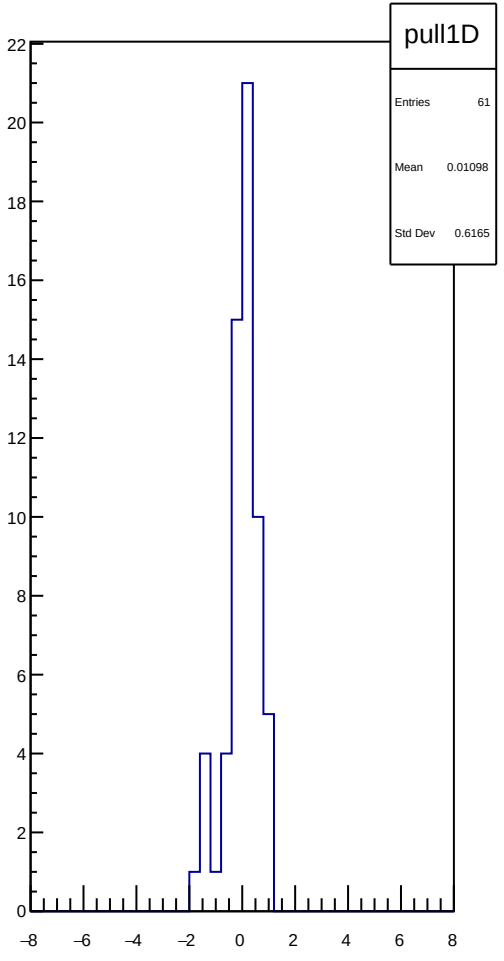

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.51 / 60
p0 −173.9 ± 3.583
pull
Entries 61
Mean 15.96
Std Dev 14.21
pull1D
Entries 61
Mean −0.03019
Std Dev 0.5648

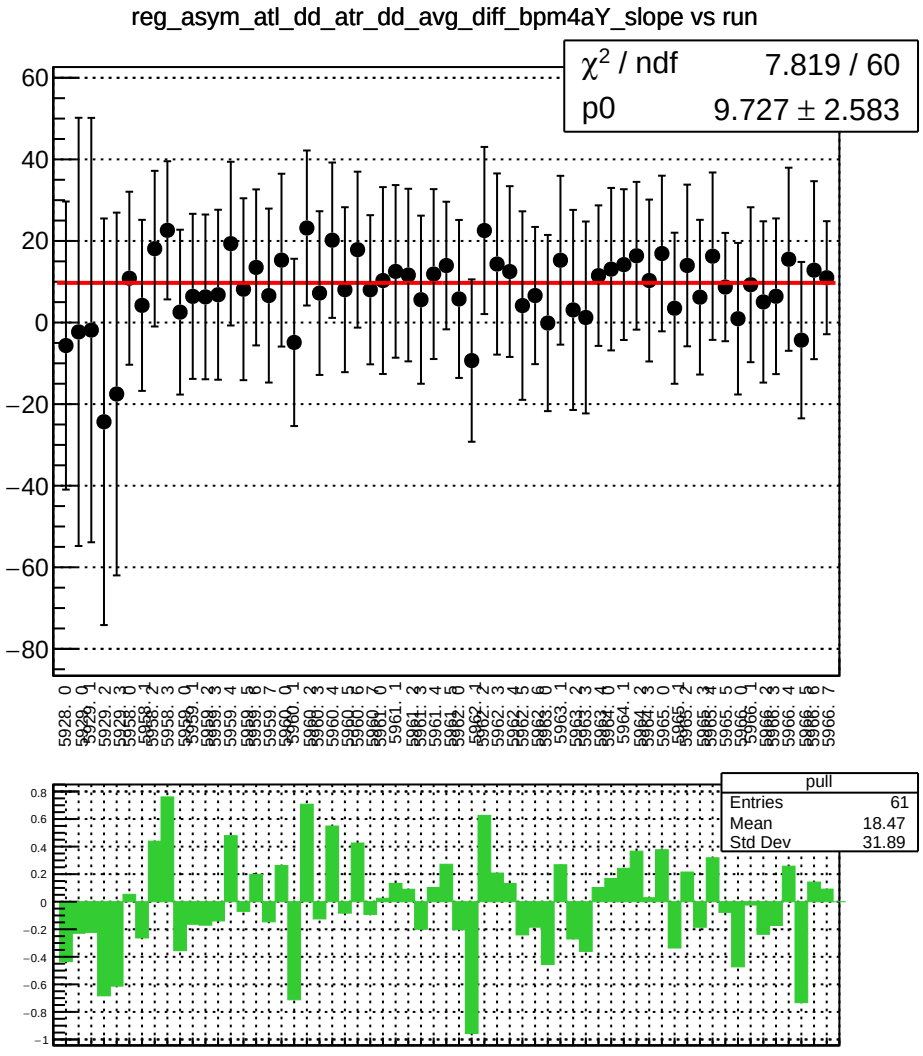

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.75 / 60
p0 −61.58 ± 2.949
pull
Entries 61
Mean 60.46
Std Dev 38.49

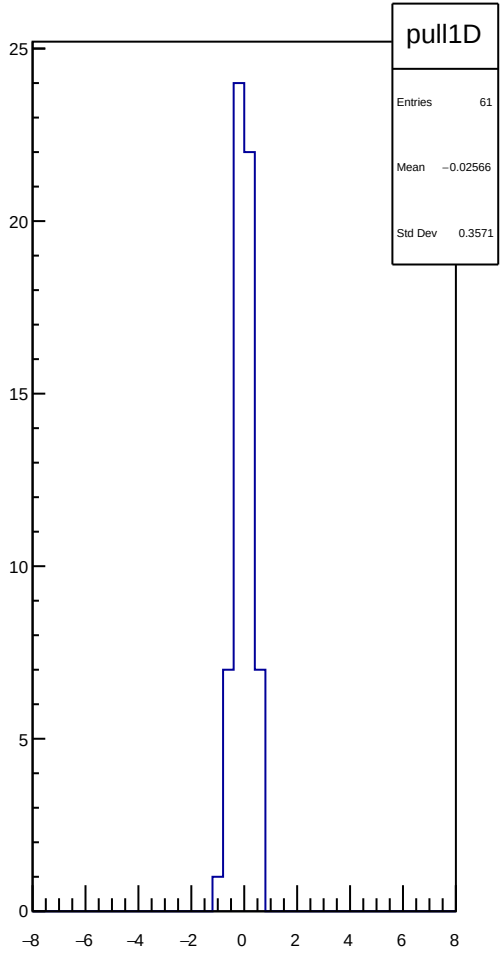

pull1D
Entries 61
Mean 0.02124
Std Dev 0.539

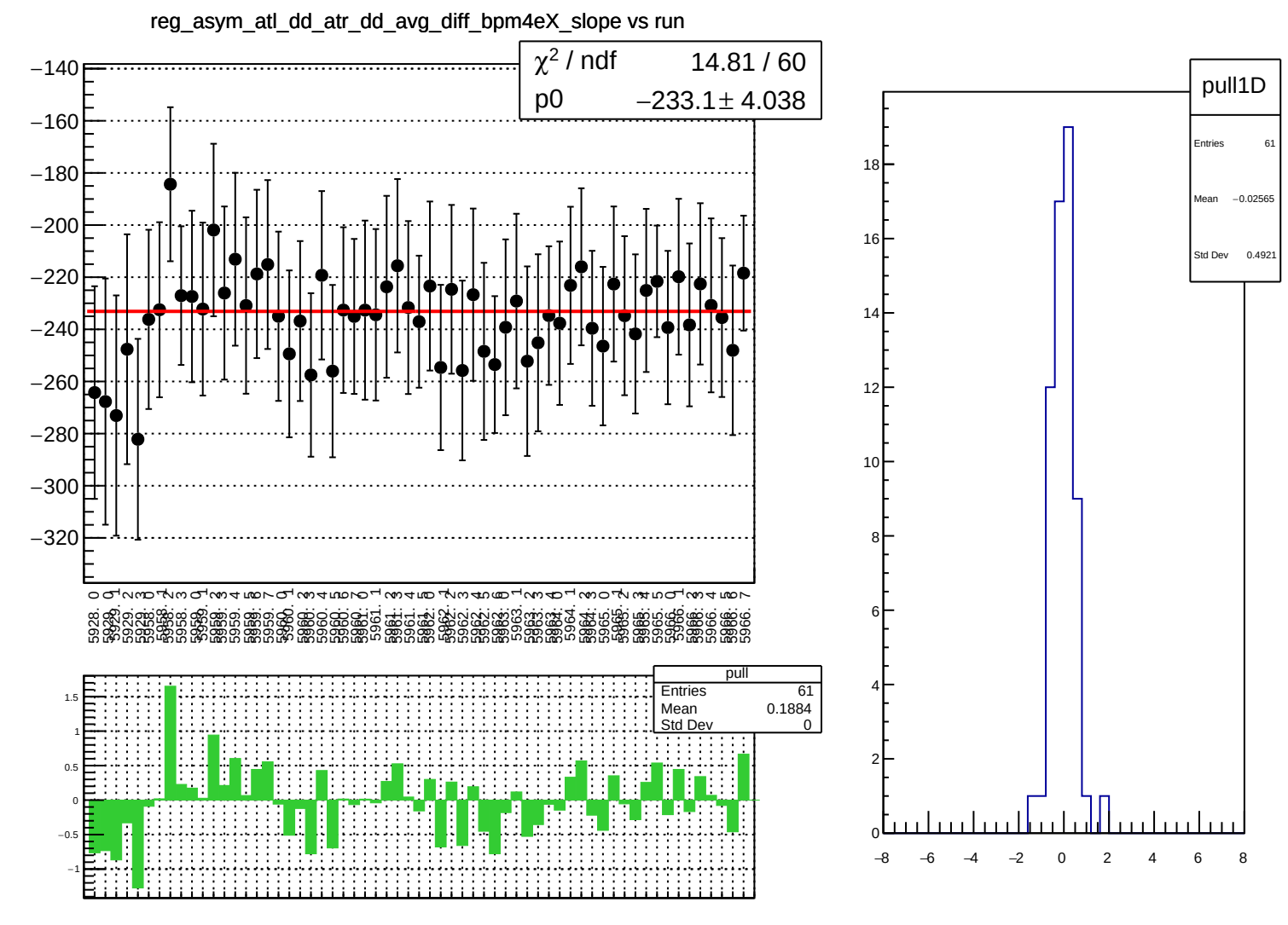

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.71 / 60
p0 87.04 ± 0.2853
pull
Entries 61
Mean 1.007
Std Dev 0
pull1D
Entries 61
Mean 0.03154
Std Dev 0.5957

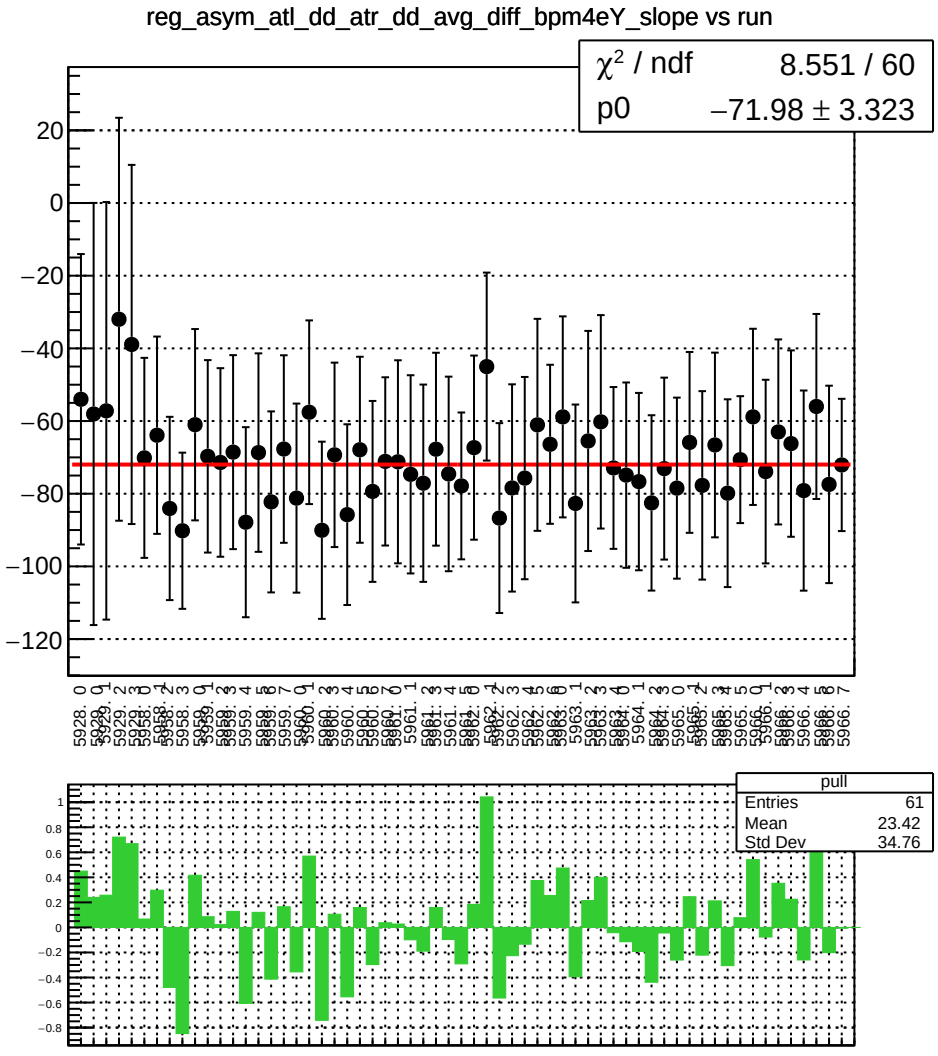

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 23.19 / 60
p0 201.1 ± 3.968
pull
Entries 61
Mean 486.9
Std Dev 0

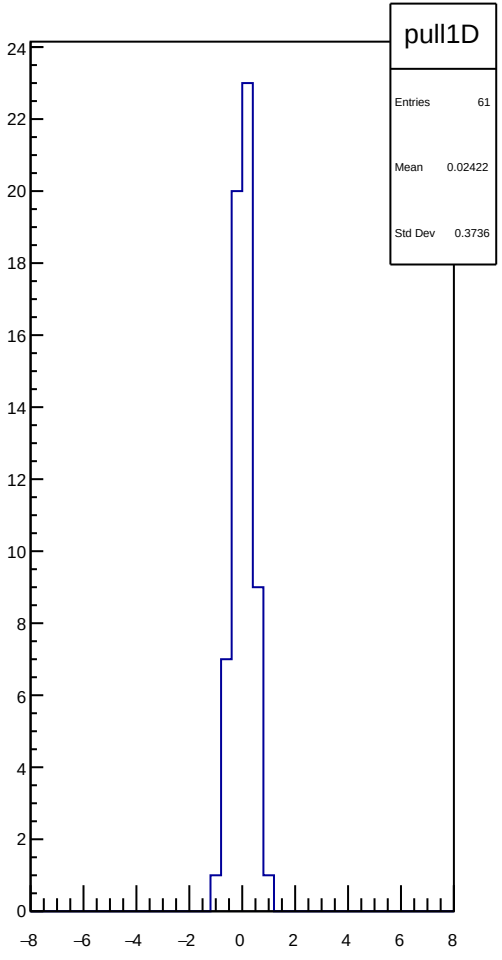

pull1D
Entries 61
Mean 0.01098
Std Dev 0.6165

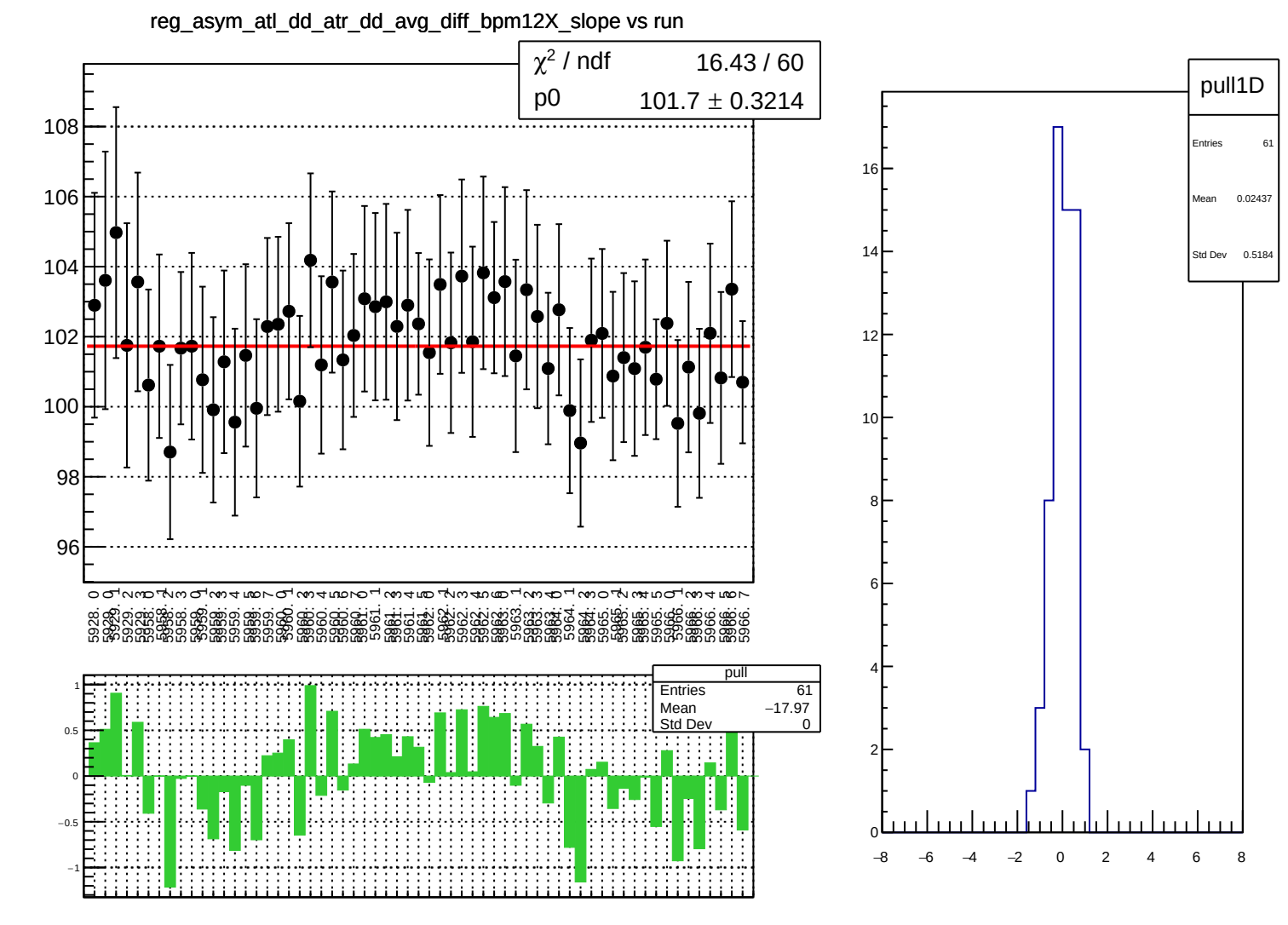

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.819 / 60
p0 9.727 ± 2.583
pull
Entries 61
Mean 18.47
Std Dev 31.89

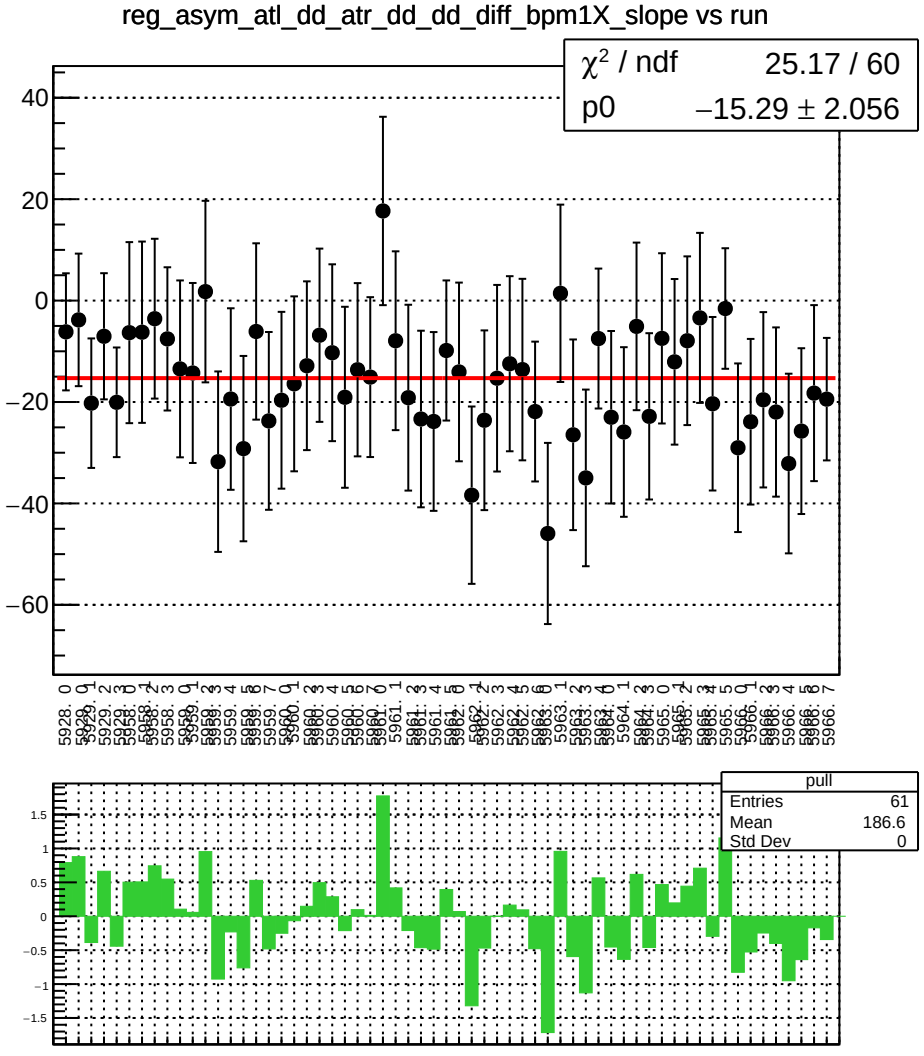

pull1D
Entries 61
Mean −0.02566
Std Dev 0.3571

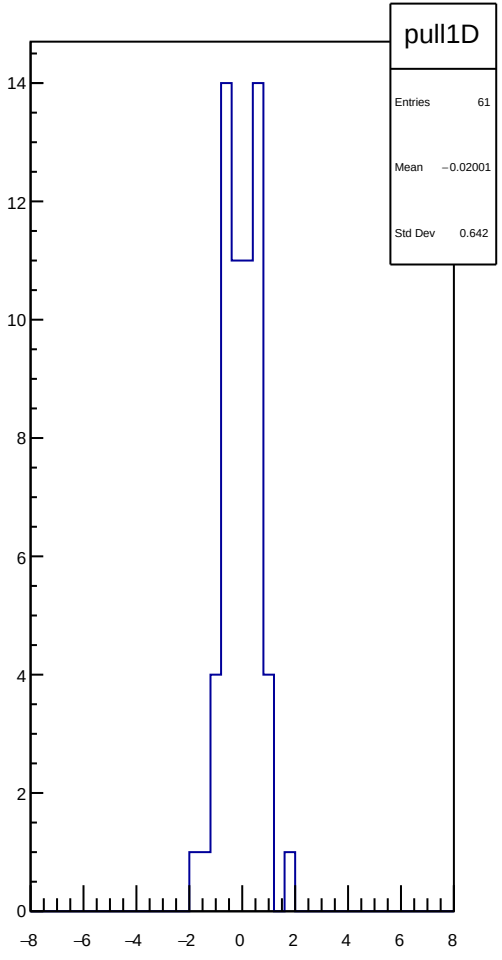

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.81 / 60
p0 −233.1± 4.038
pull
Entries 61
Mean 0.1884
Std Dev 0
pull1D
Entries 61
Mean −0.02565
Std Dev 0.4921

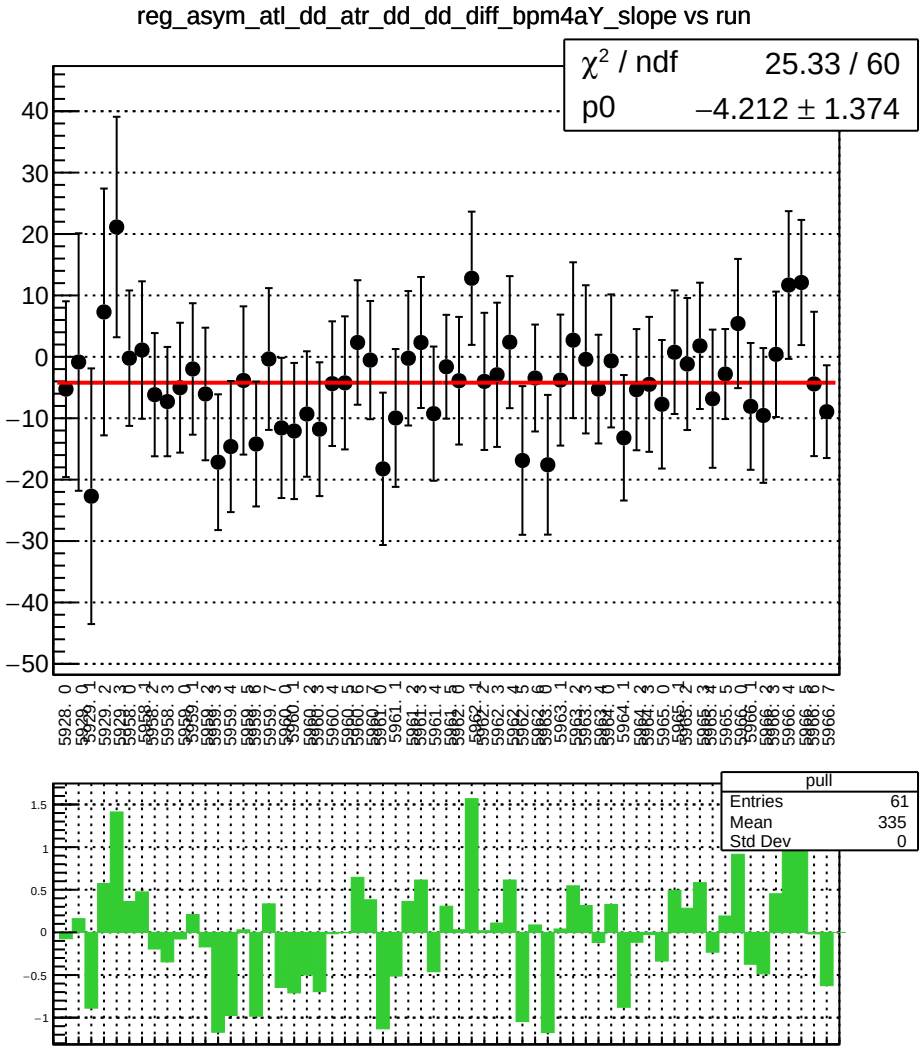

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.551 / 60
p0 −71.98 ± 3.323
pull
Entries 61
Mean 23.42
Std Dev 34.76

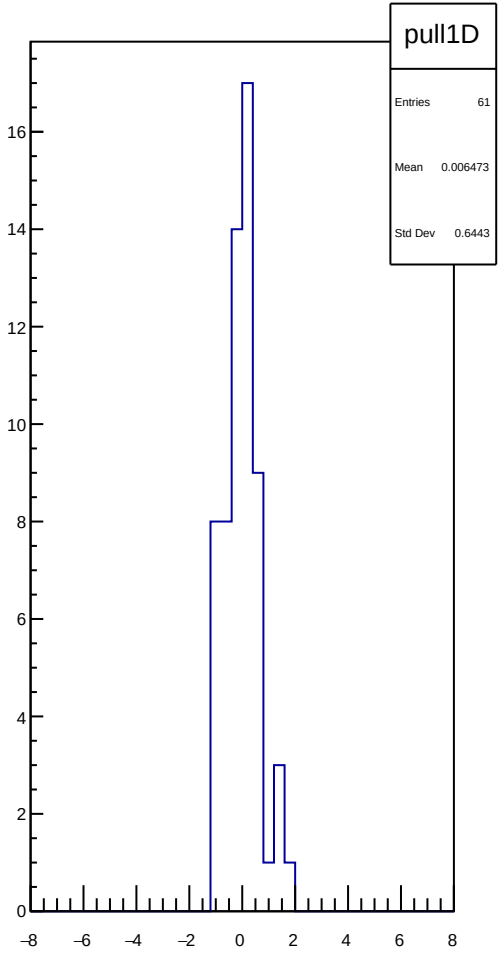

pull1D
Entries 61
Mean 0.02422
Std Dev 0.3736

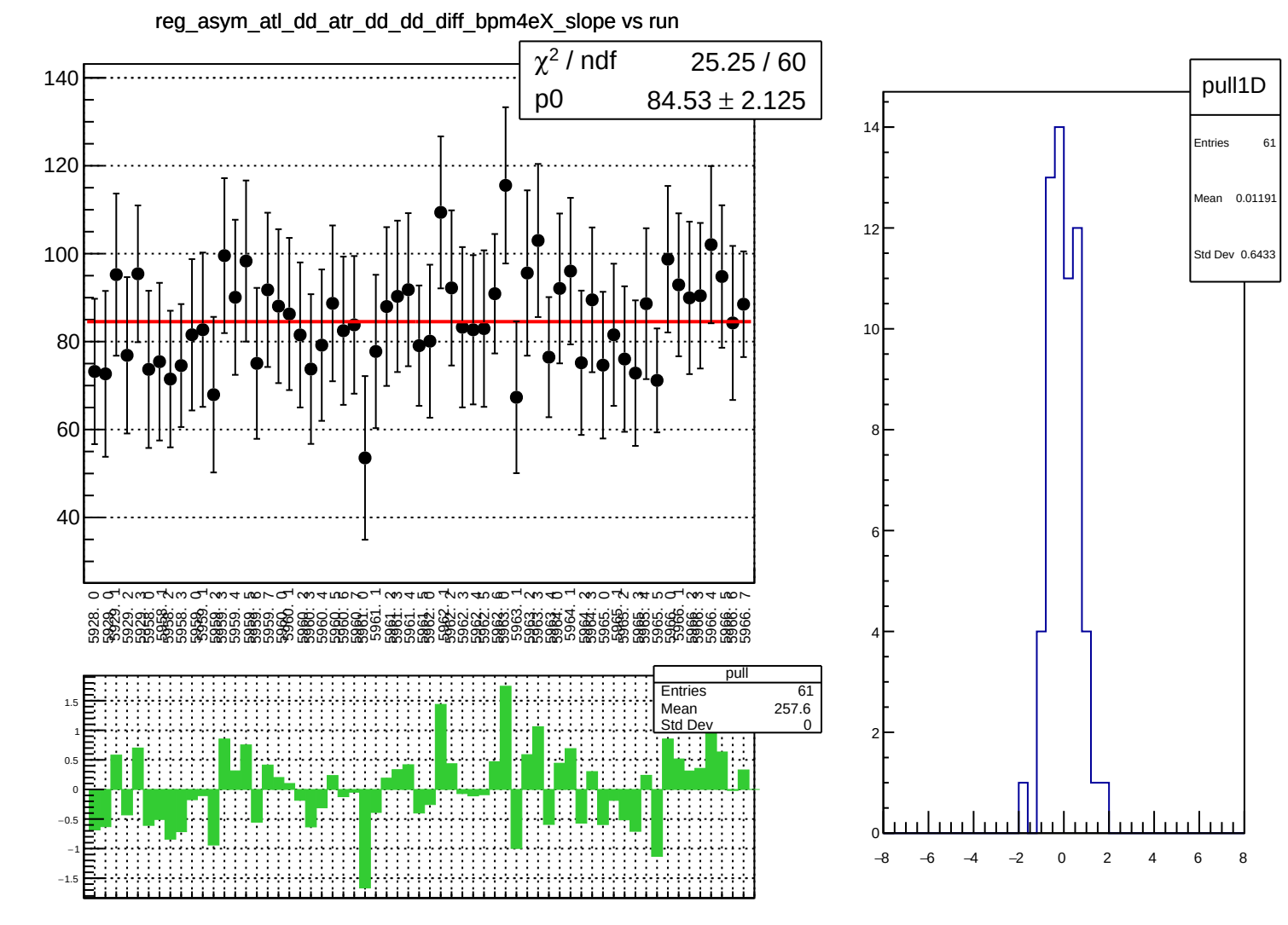

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 16.43 / 60
p0 101.7 ± 0.3214
pull
Entries 61
Mean −17.97
Std Dev 0
pull1D
Entries 61
Mean 0.02437
Std Dev 0.5184

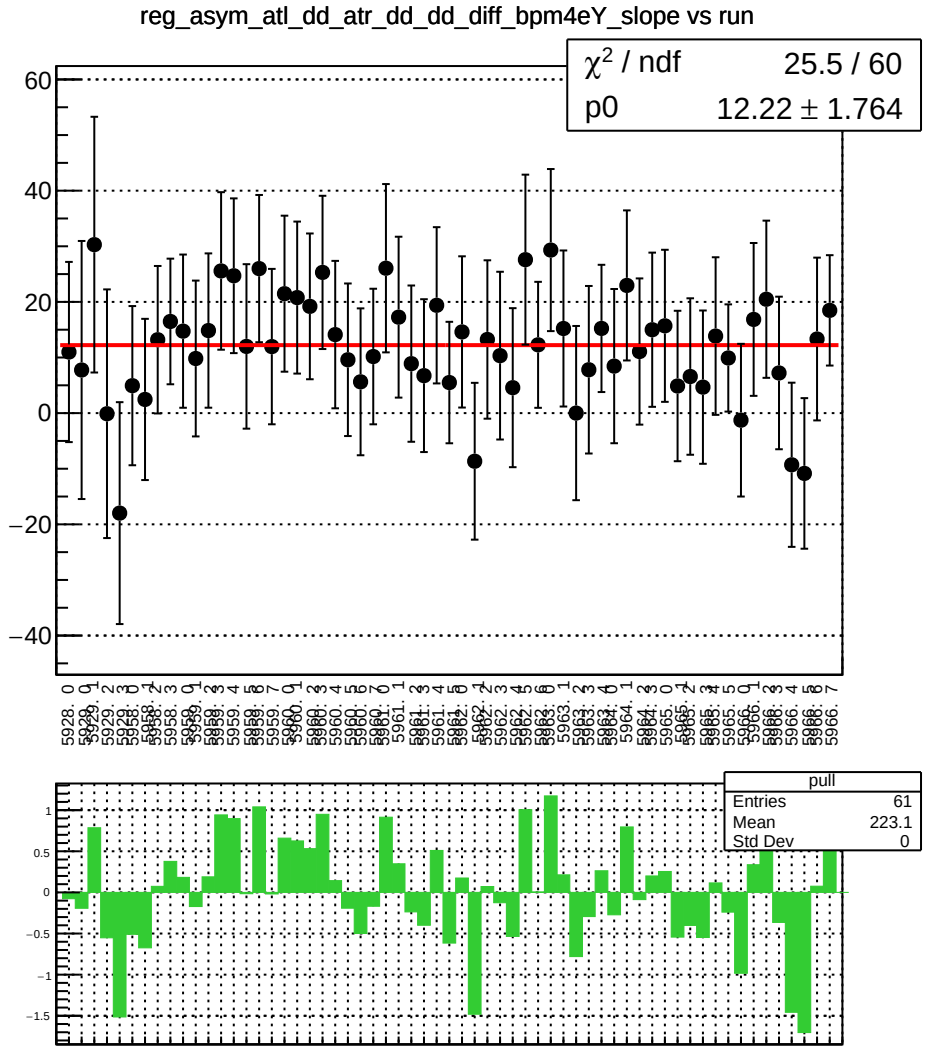

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 25.17 / 60
p0 −15.29 ± 2.056
pull
Entries 61
Mean 186.6
Std Dev 0

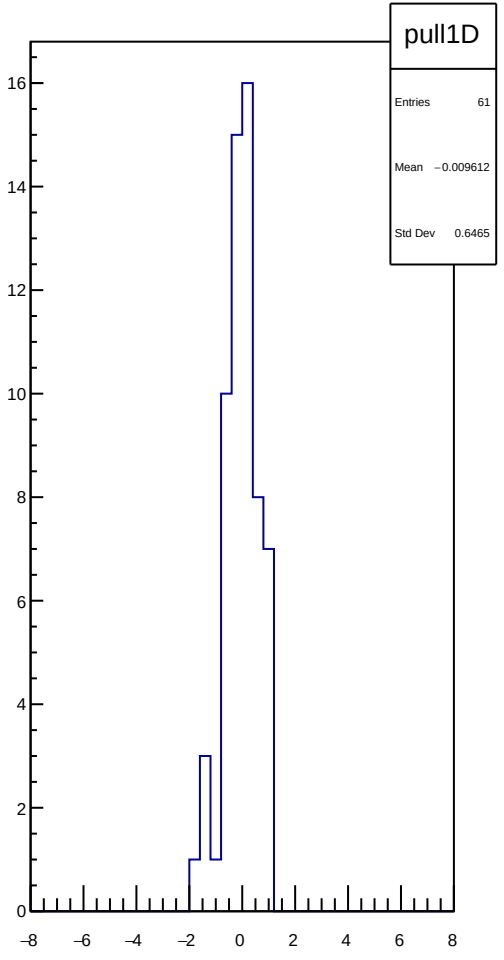

pull1D
Entries 61
Mean −0.02001
Std Dev 0.642

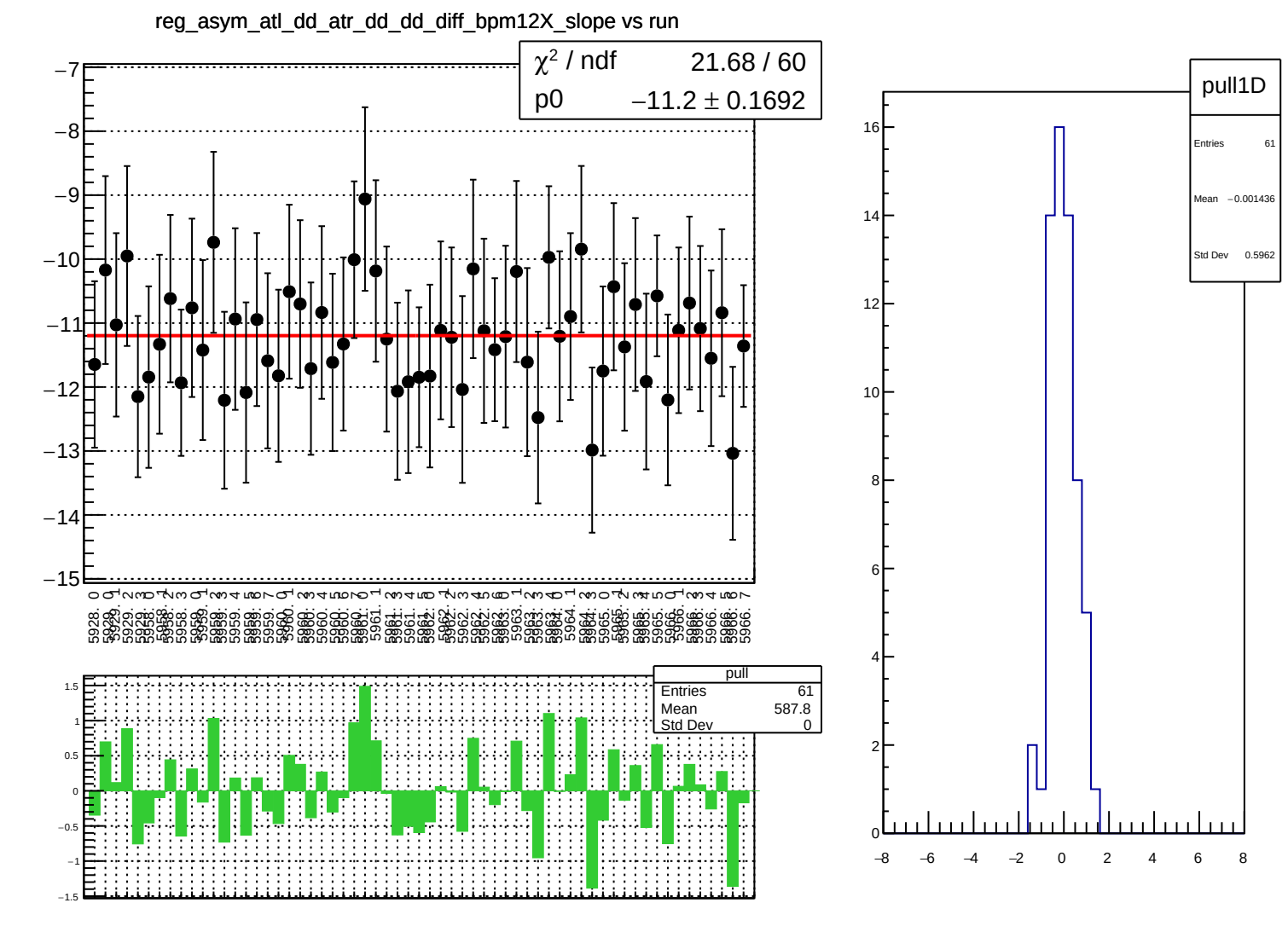

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.33 / 60
p0 −4.212 ± 1.374
pull
Entries 61
Mean 335
Std Dev 0

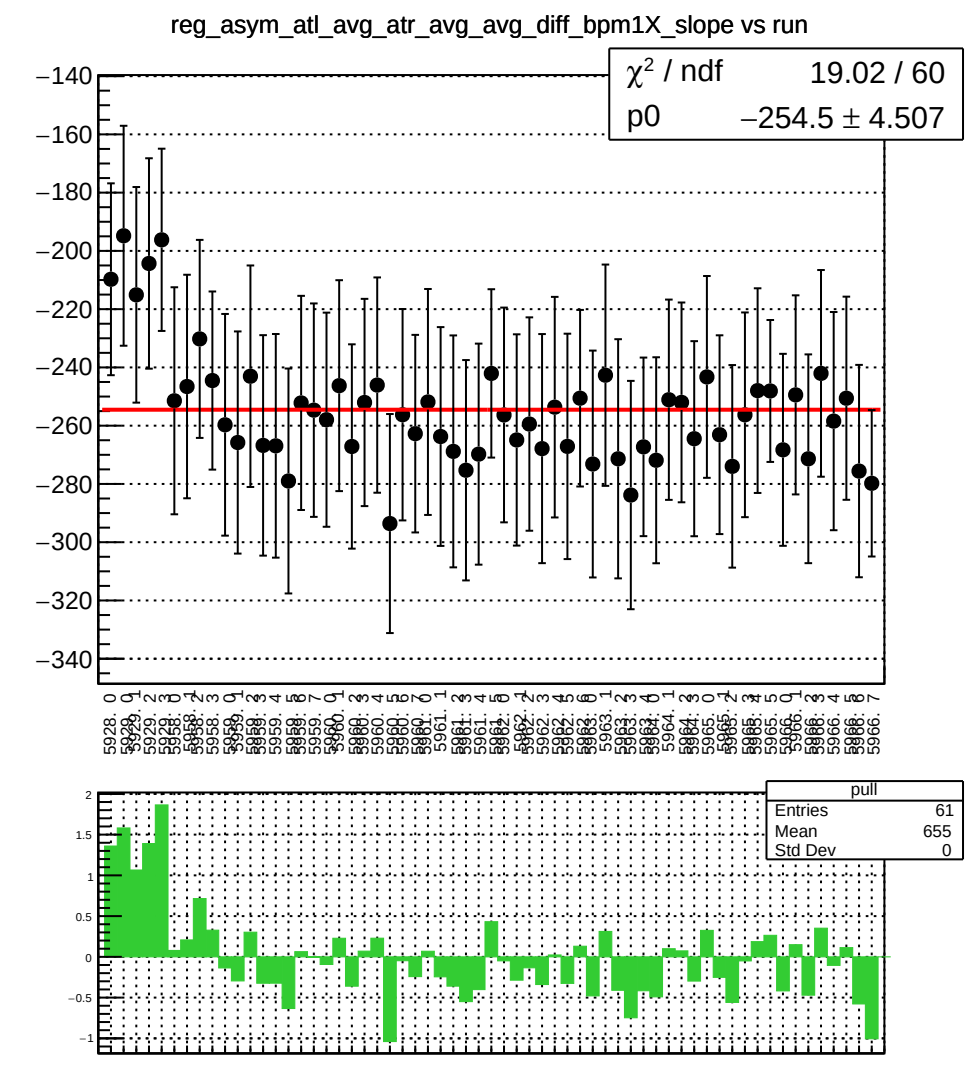

pull1D
Entries 61
Mean 0.006473
Std Dev 0.6443

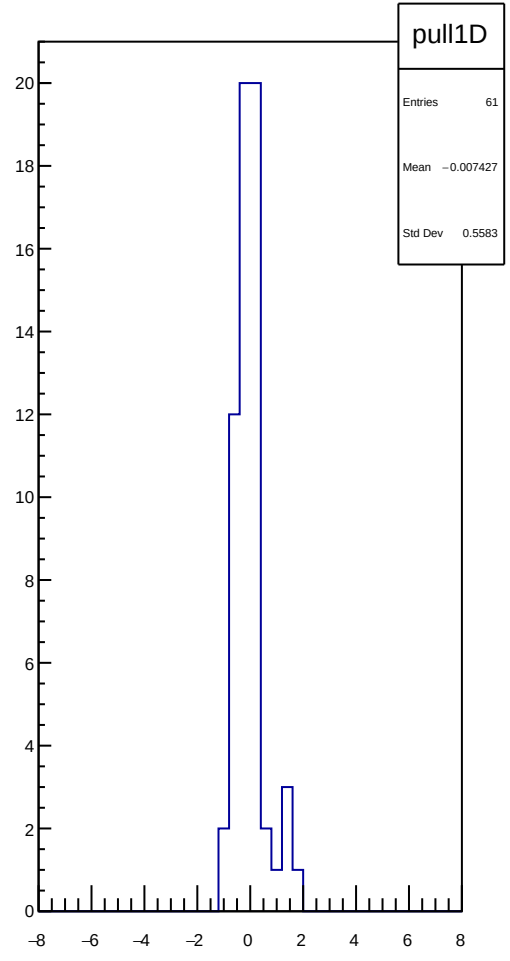

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.25 / 60
p0 84.53 ± 2.125
pull
Entries 61
Mean 257.6
Std Dev 0
pull1D
Entries 61
Mean 0.01191
Std Dev 0.6433

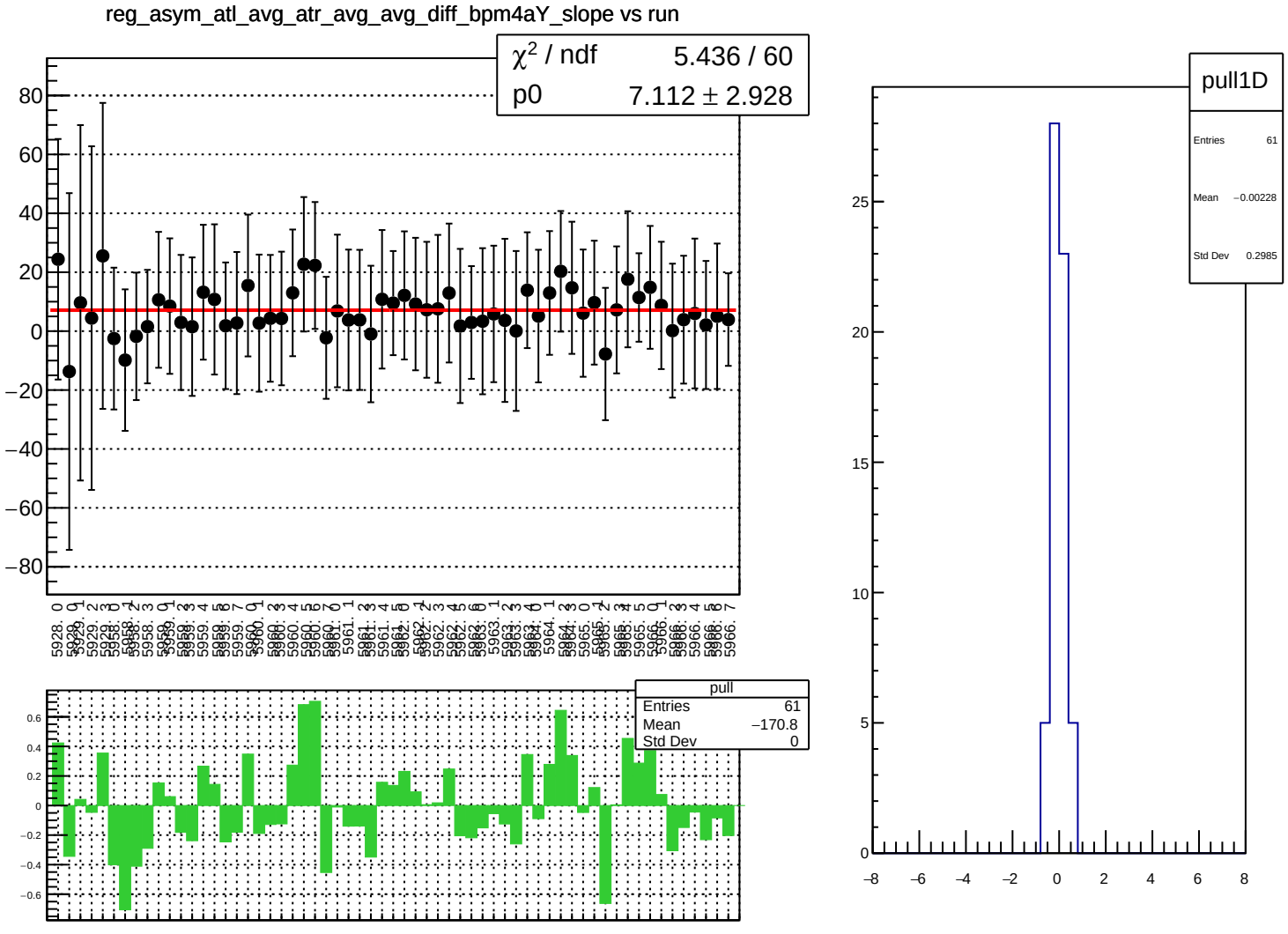

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.5 / 60
p0 12.22 ± 1.764
pull
Entries 61
Mean 223.1
Std Dev 0

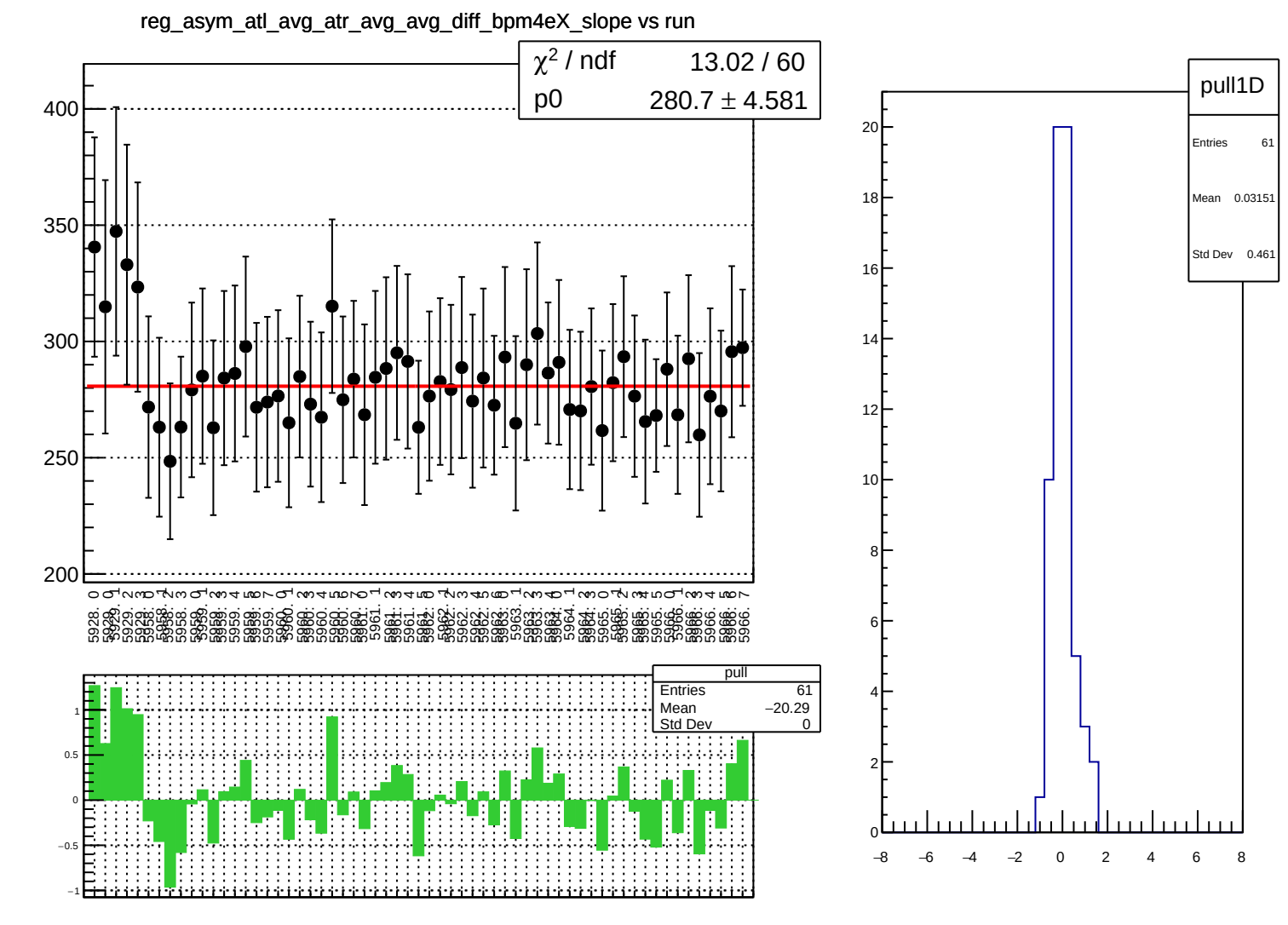

pull1D
Entries 61
Mean −0.009612
Std Dev 0.6465

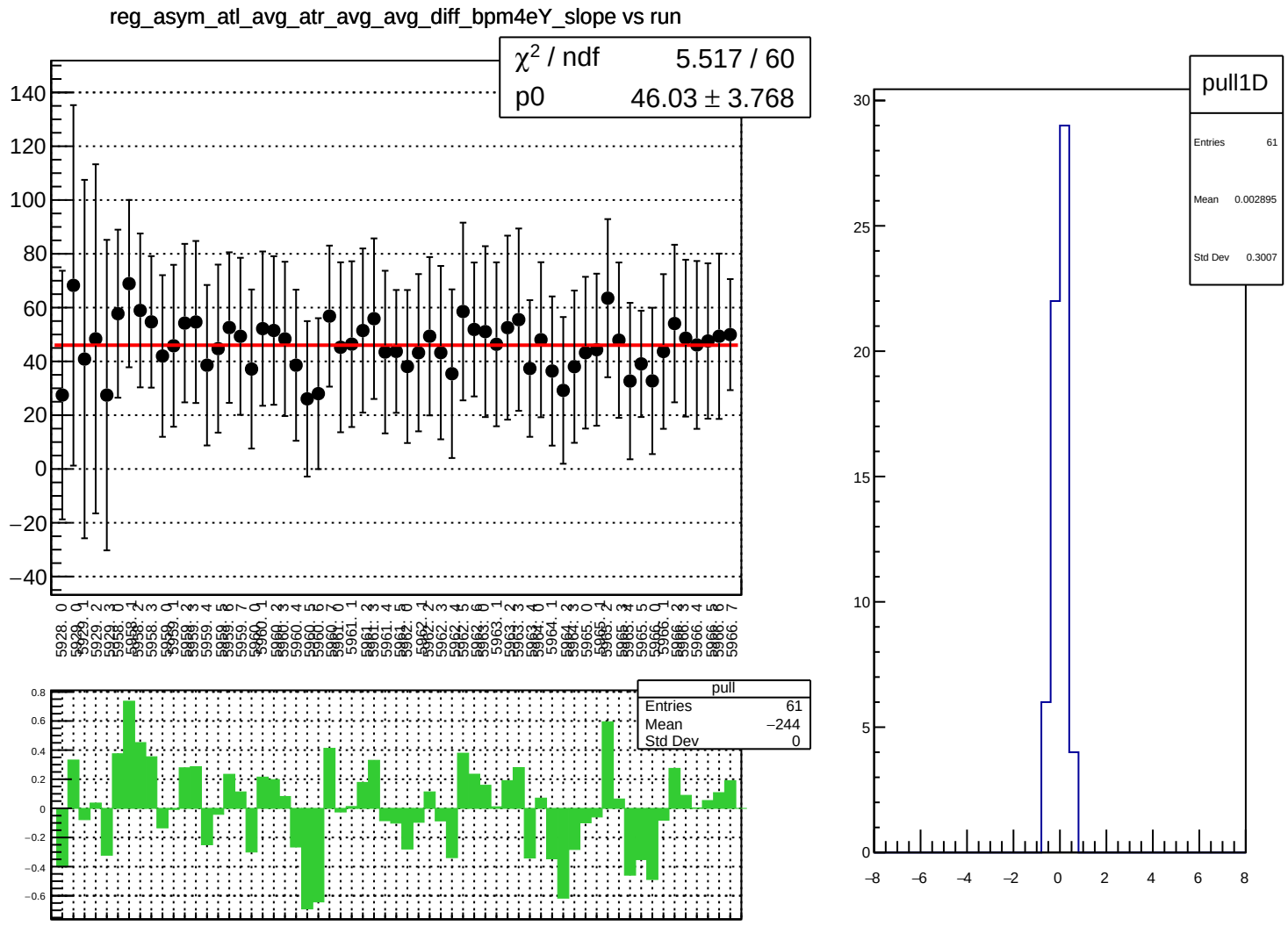

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 21.68 / 60
p0 −11.2 ± 0.1692
pull
Entries 61
Mean 587.8
Std Dev 0
pull1D
Entries 61
Mean −0.001436
Std Dev 0.5962

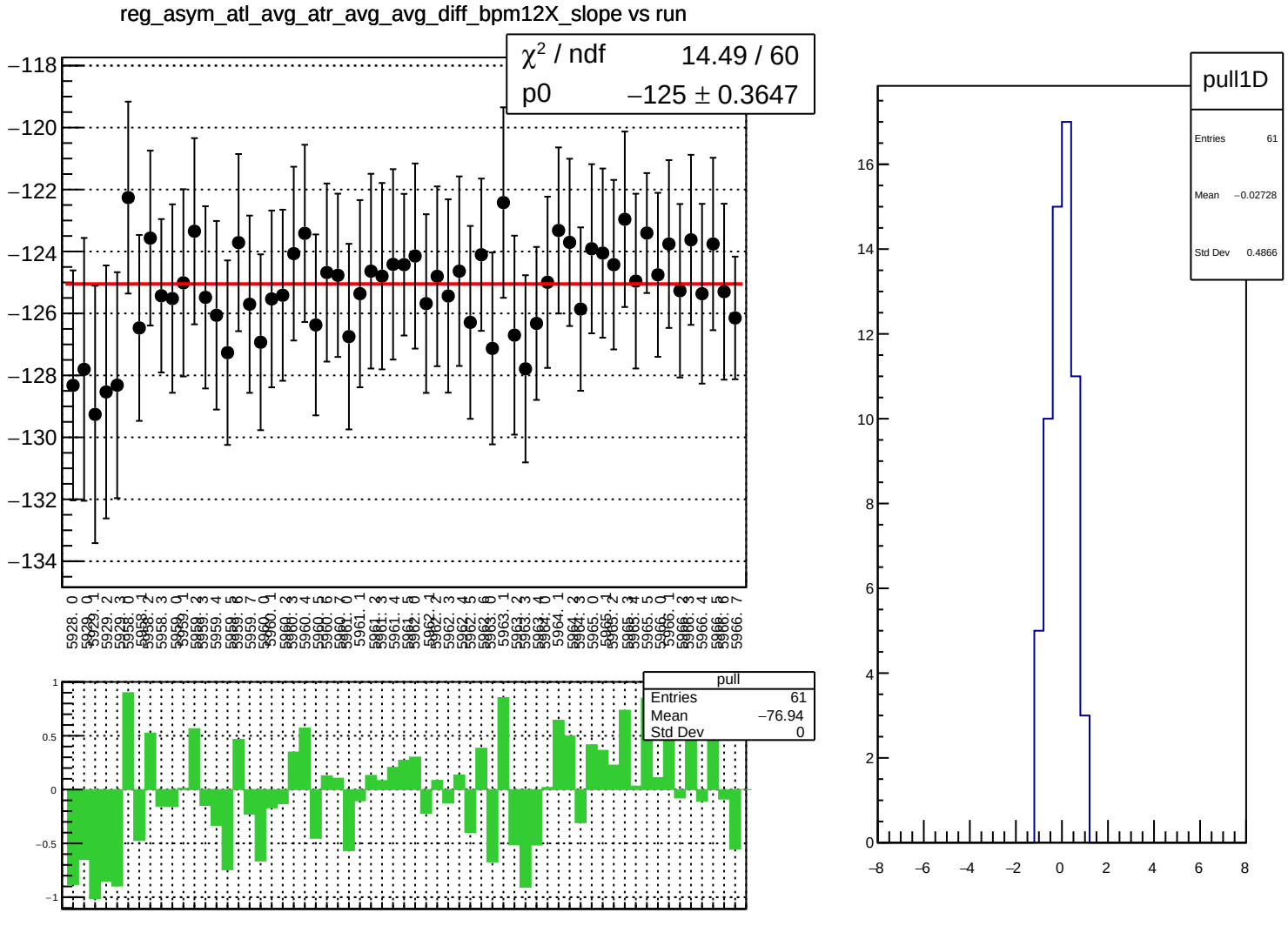

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 19.02 / 60
p0 −254.5 ± 4.507
pull
Entries 61
Mean 655
Std Dev 0

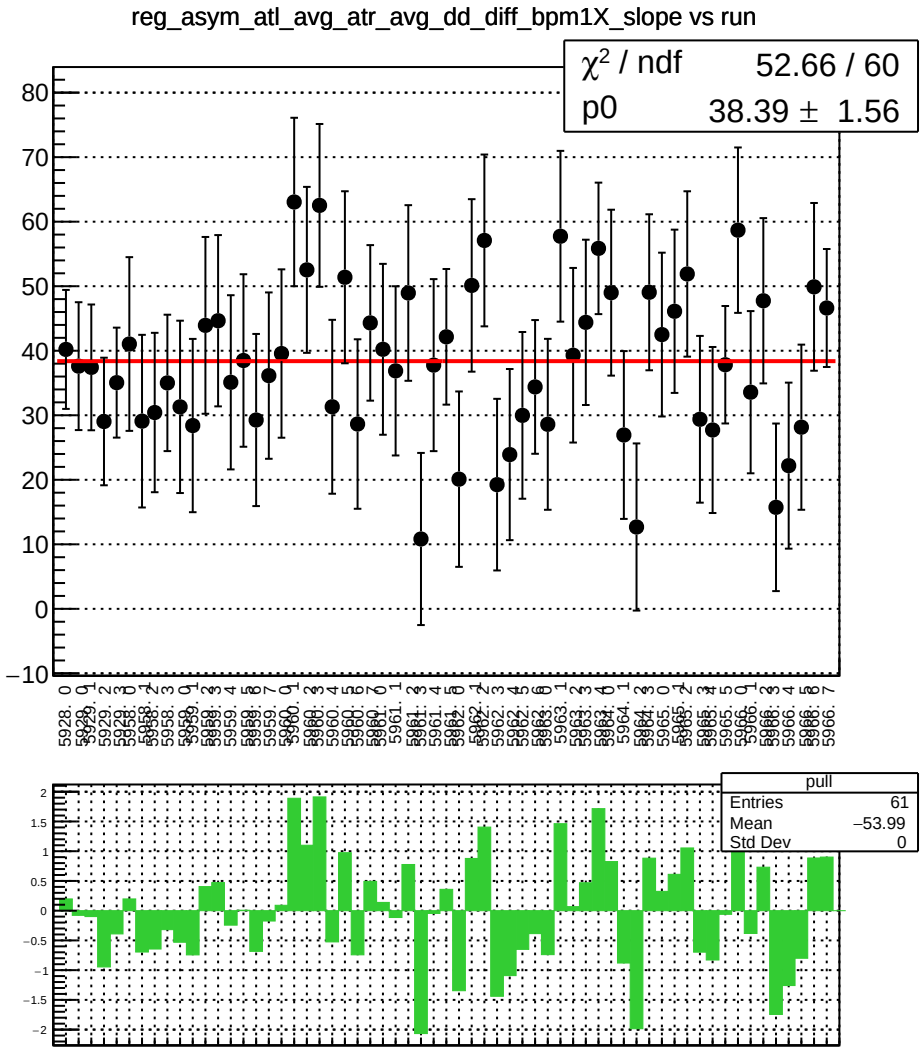

pull1D
Entries 61
Mean −0.007427
Std Dev 0.5583

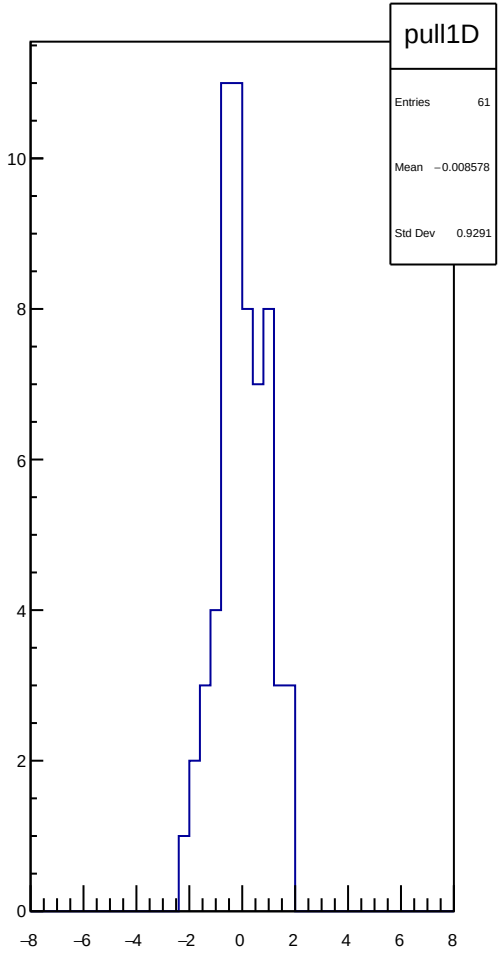

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.436 / 60
p0 7.112 ± 2.928
pull
Entries 61
Mean −170.8
Std Dev 0
pull1D
Entries 61
Mean −0.00228
Std Dev 0.2985

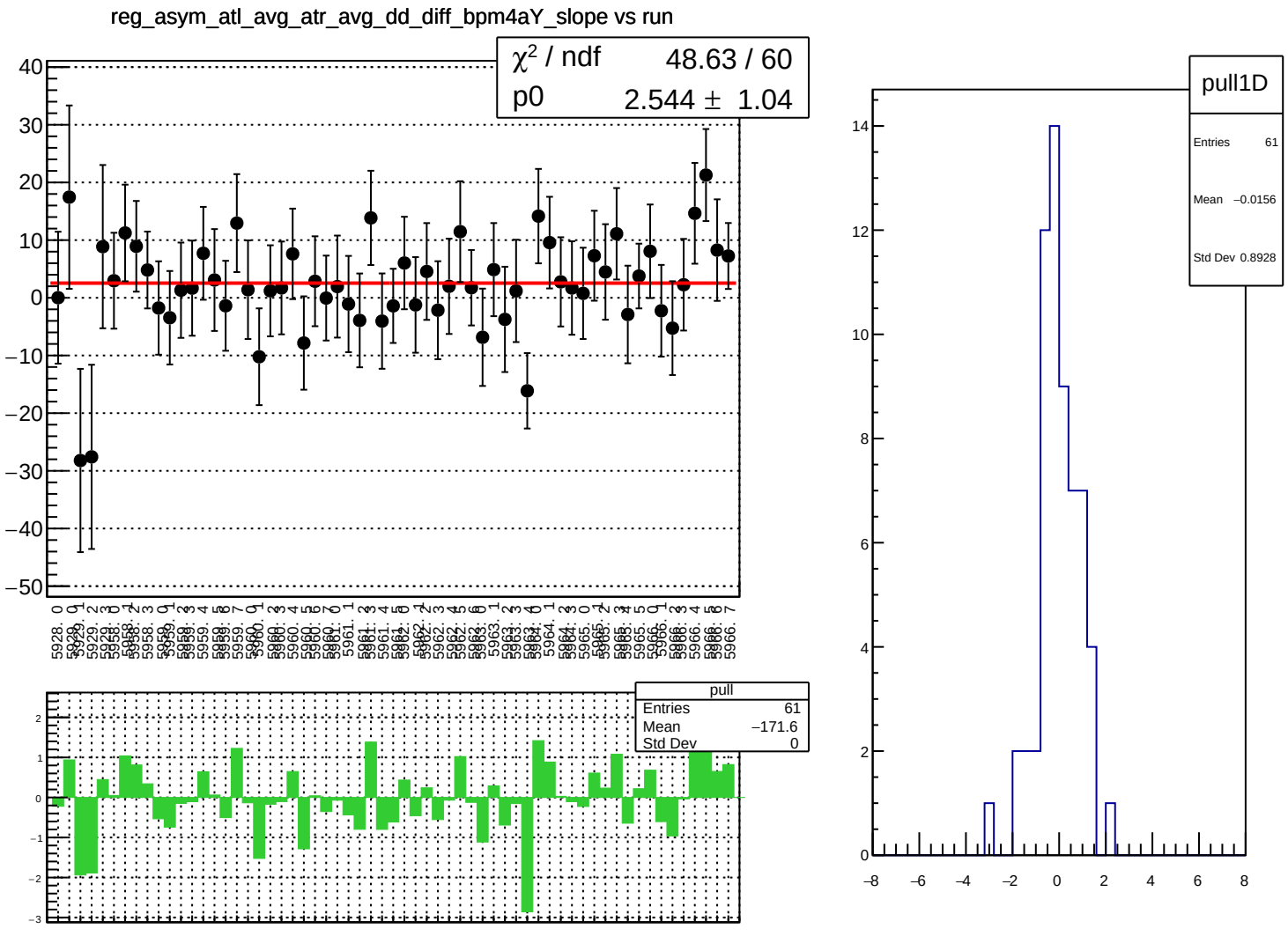

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.02 / 60
p0 280.7 ± 4.581
pull
Entries 61
Mean −20.29
Std Dev 0
pull1D
Entries 61
Mean 0.03151
Std Dev 0.461

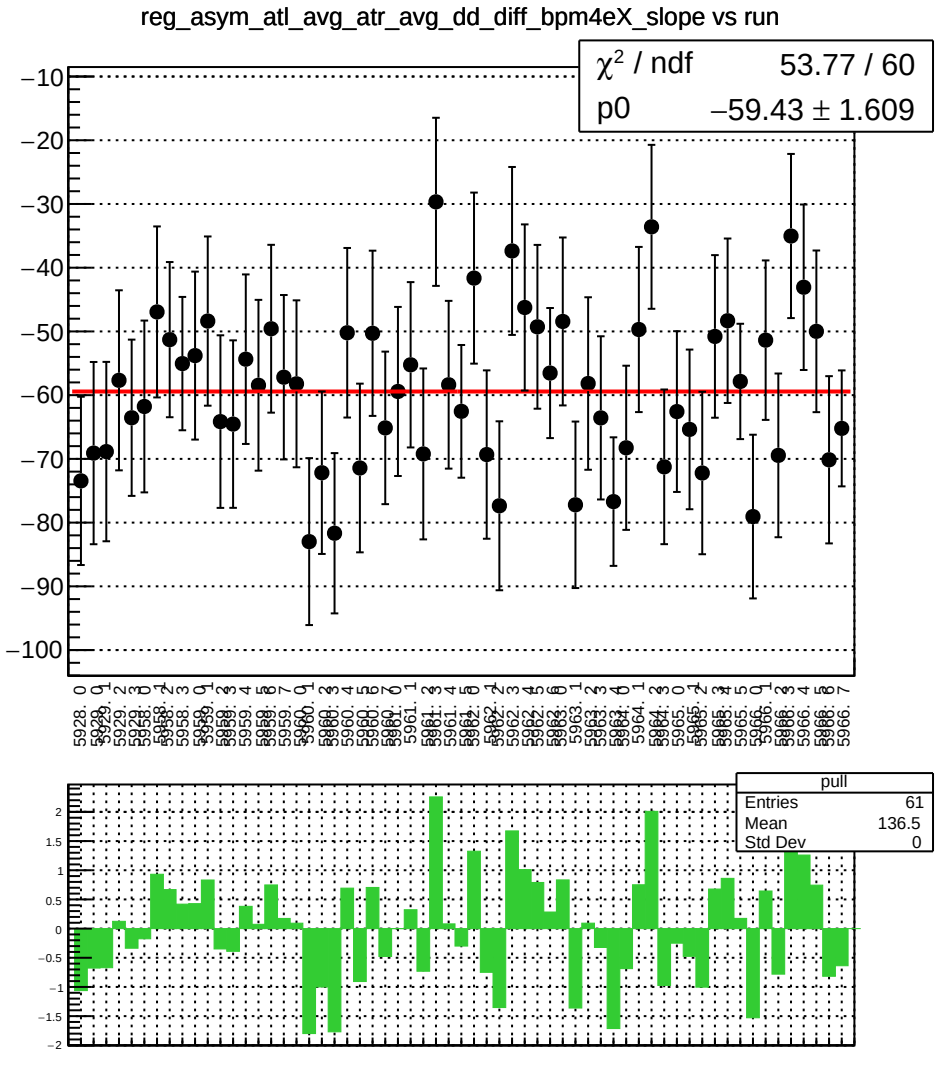

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.517 / 60
p0 46.03 ± 3.768
pull
Entries 61
Mean −244
Std Dev 0
pull1D
Entries 61
Mean 0.002895
Std Dev 0.3007

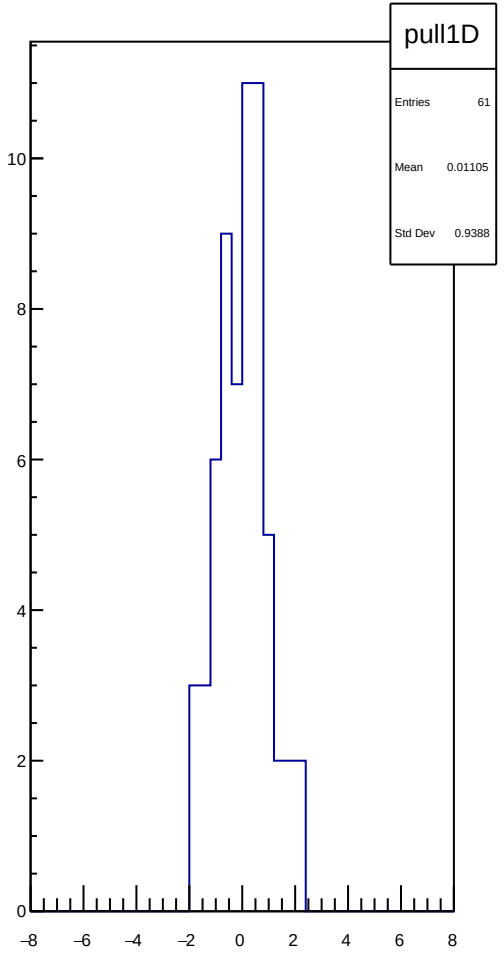

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.49 / 60
p0 −125 ± 0.3647
pull
Entries 61
Mean −76.94
Std Dev 0
pull1D
Entries 61
Mean −0.02728
Std Dev 0.4866

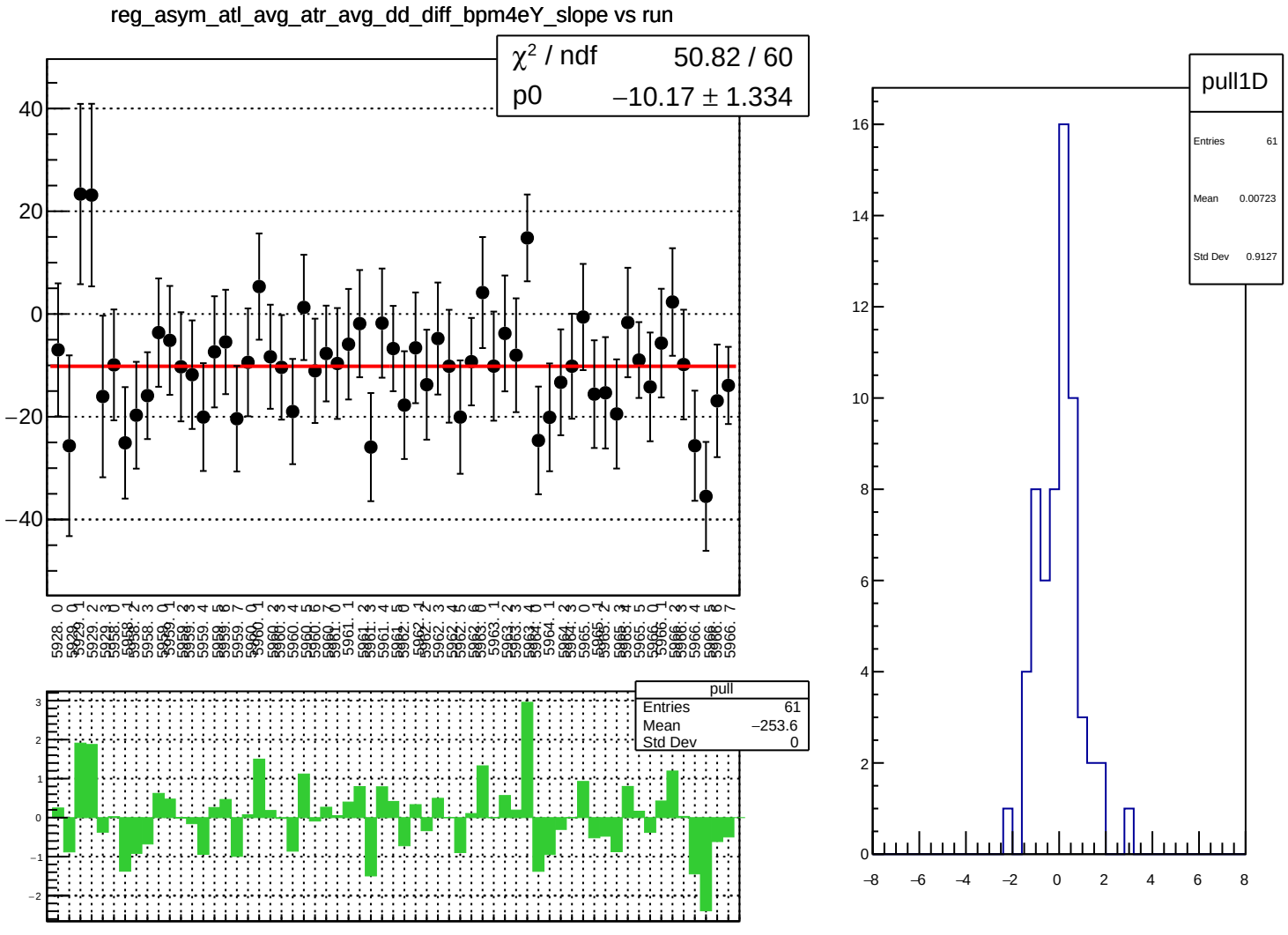

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 52.66 / 60
p0 38.39 ± 1.56
pull
Entries 61
Mean −53.99
Std Dev 0

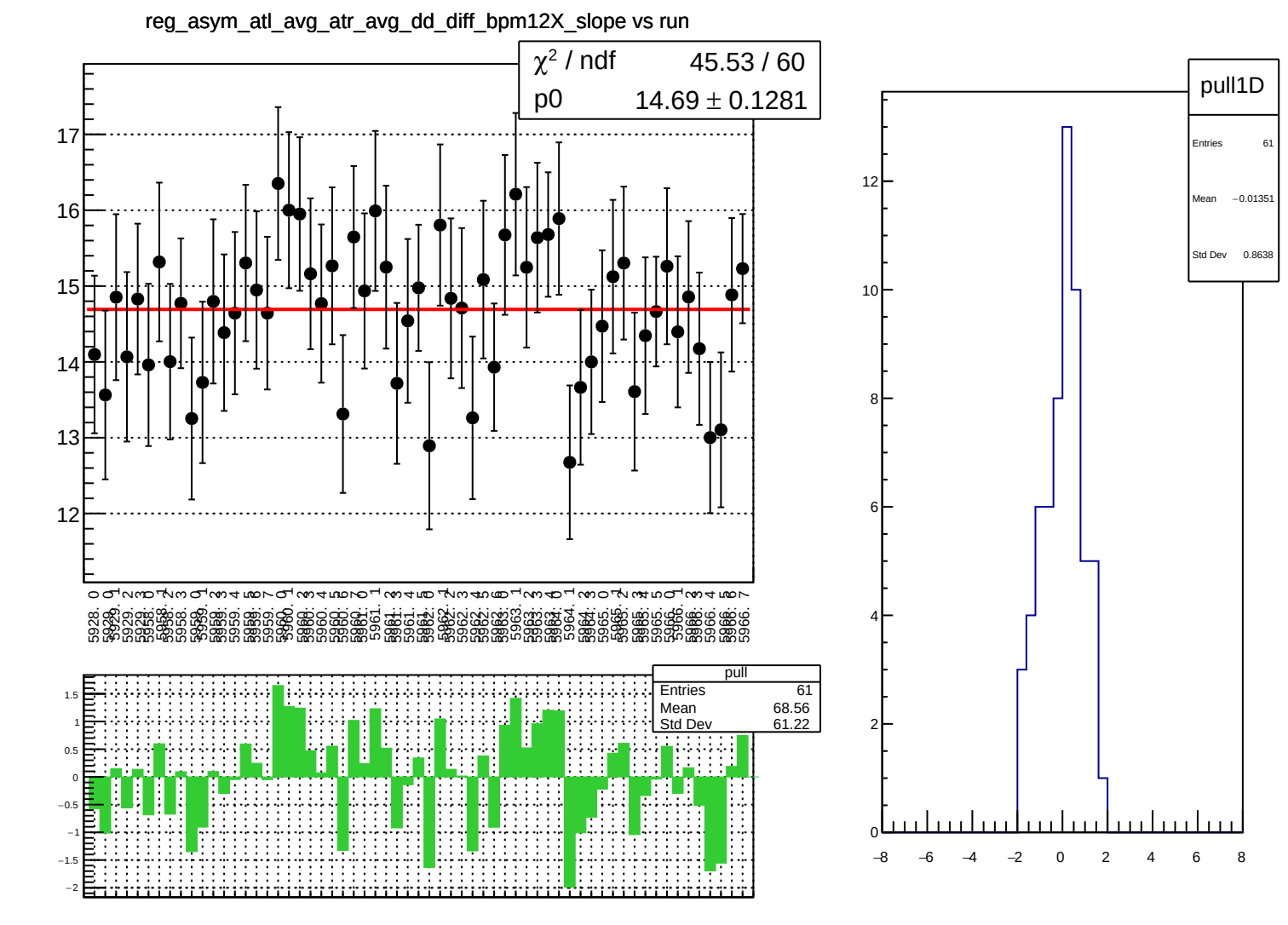

pull1D
Entries 61
Mean −0.008578
Std Dev 0.9291

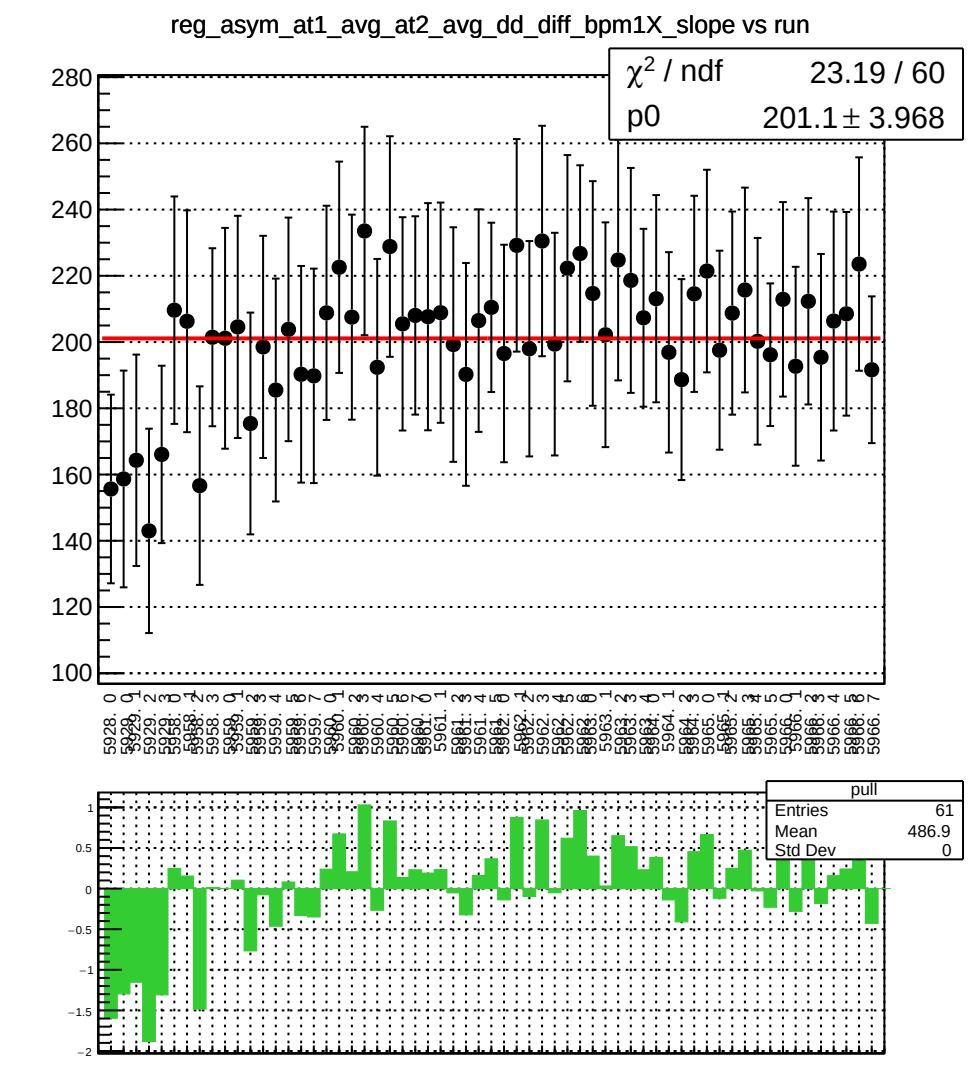

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.63 / 60
p0 2.544 ± 1.04
pull
Entries 61
Mean −171.6
Std Dev 0
pull1D
Entries 61
Mean −0.0156
Std Dev 0.8928

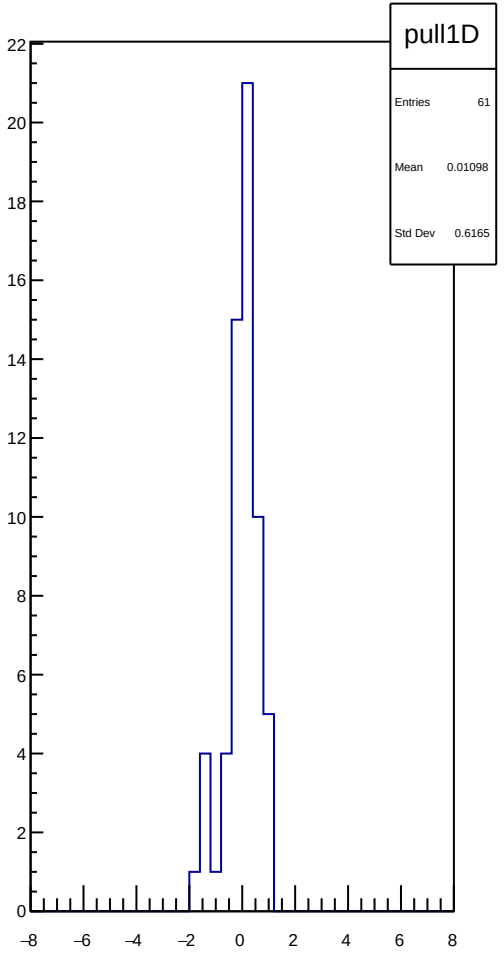

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.77 / 60
p0 −59.43 ± 1.609
pull
Entries 61
Mean 136.5
Std Dev 0

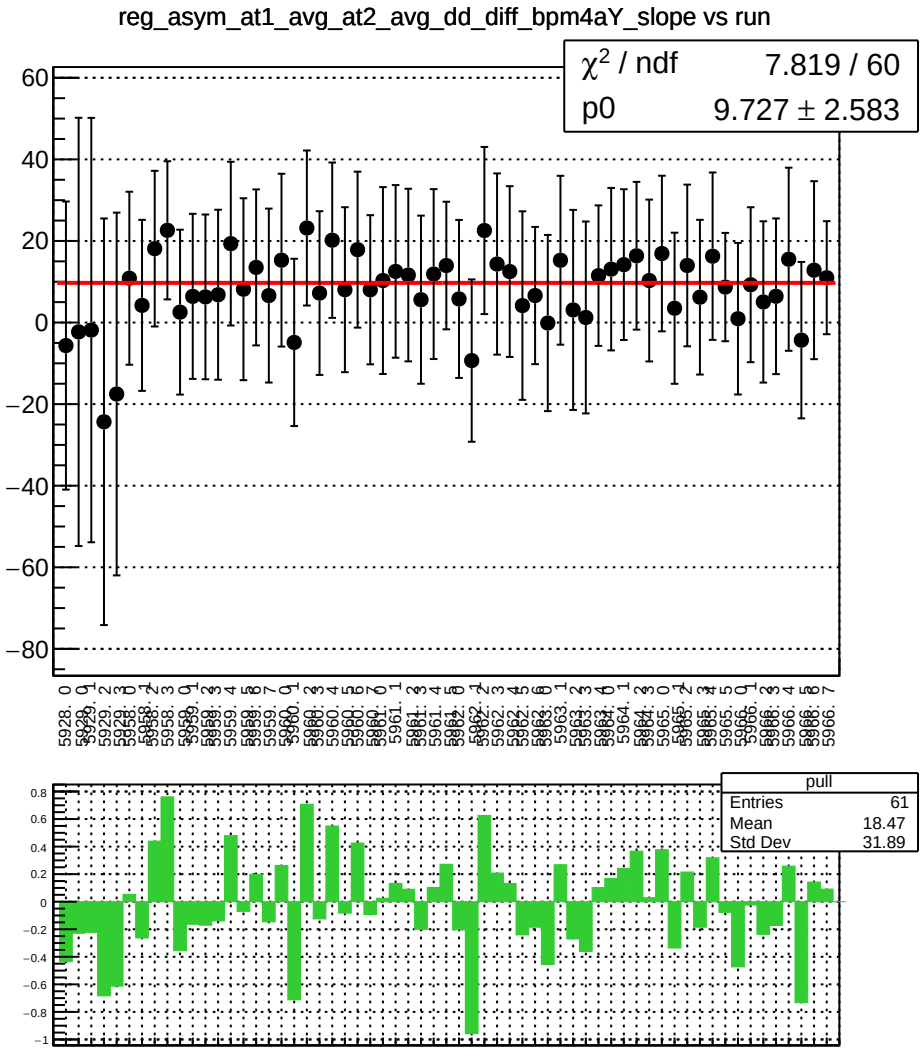

pull1D
Entries 61
Mean 0.01105
Std Dev 0.9388

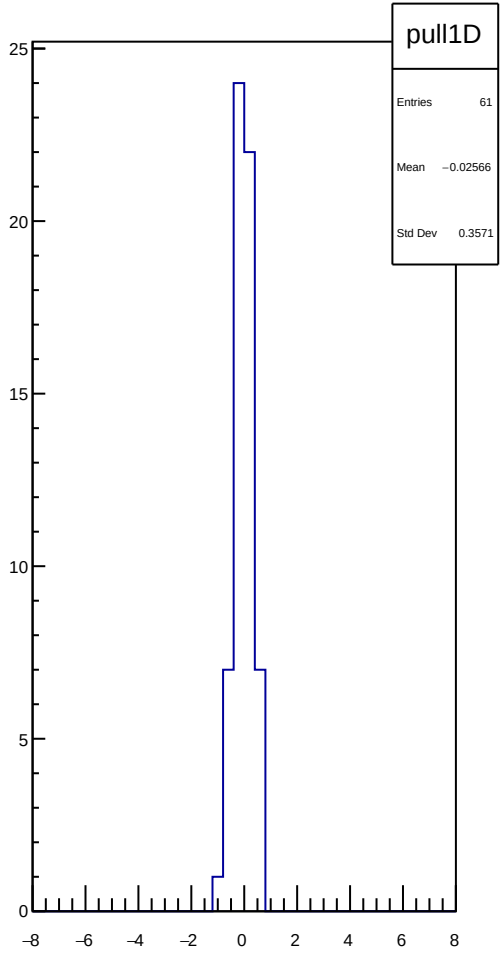

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.82 / 60
p0 −10.17 ± 1.334
pull
Entries 61
Mean −253.6
Std Dev 0
pull1D
Entries 61
Mean 0.00723
Std Dev 0.9127

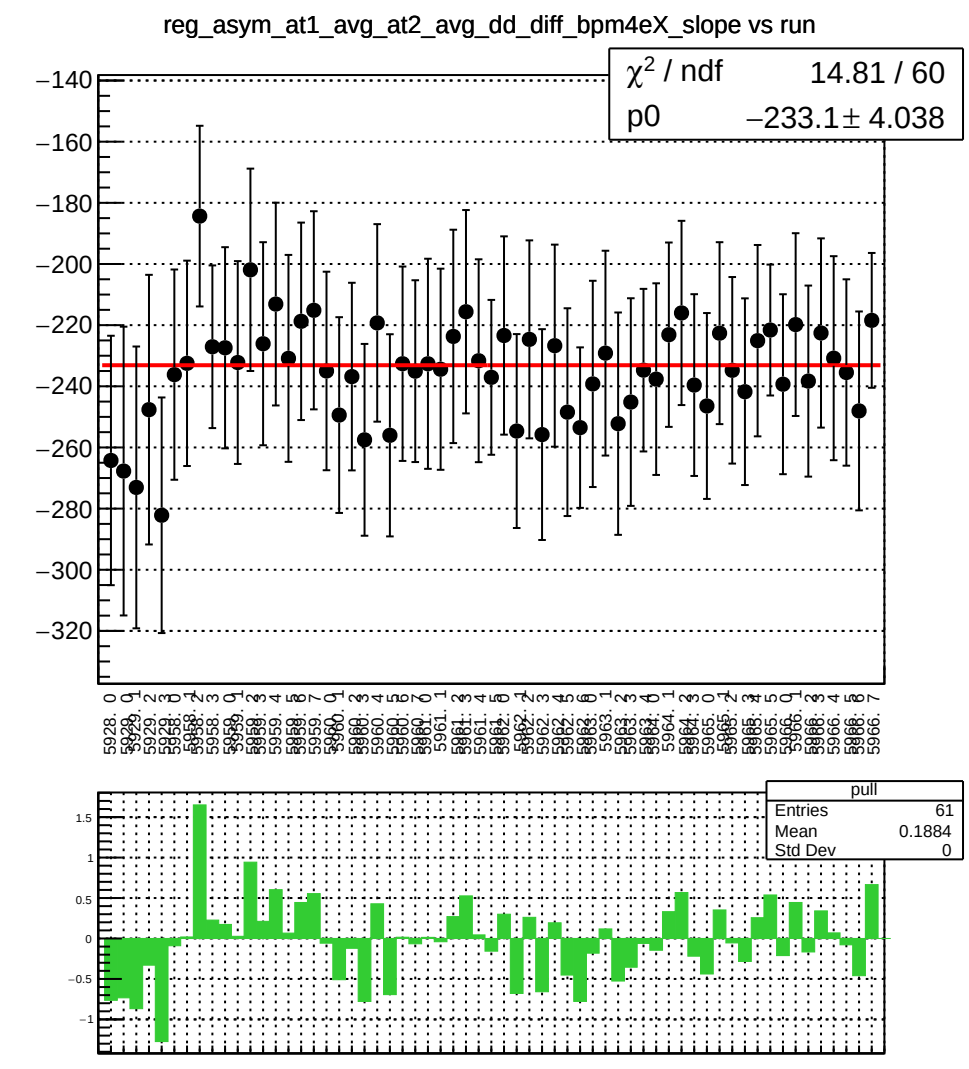

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 45.53 / 60
p0 14.69 ± 0.1281
pull
Entries 61
Mean 68.56
Std Dev 61.22
pull1D
Entries 61
Mean −0.01351
Std Dev 0.8638

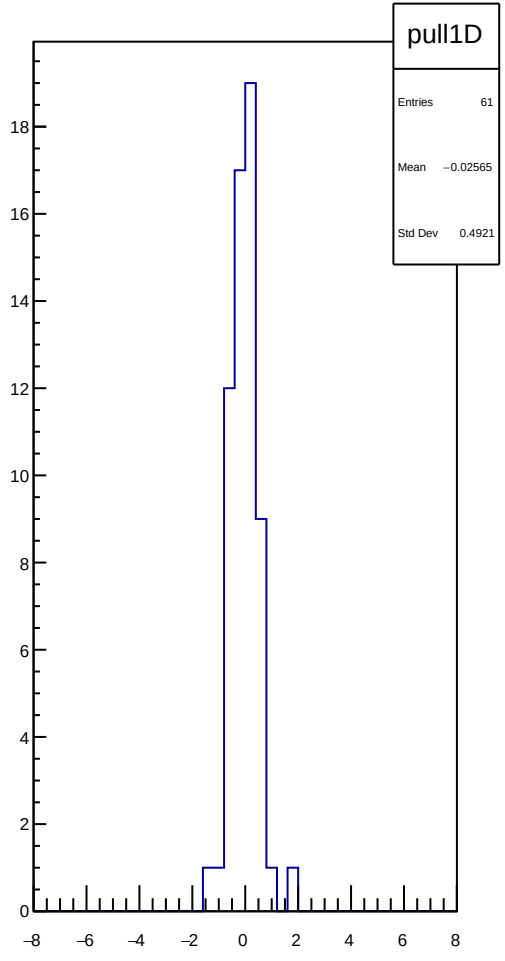

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 23.19 / 60
p0 201.1 ± 3.968
pull
Entries 61
Mean 486.9
Std Dev 0

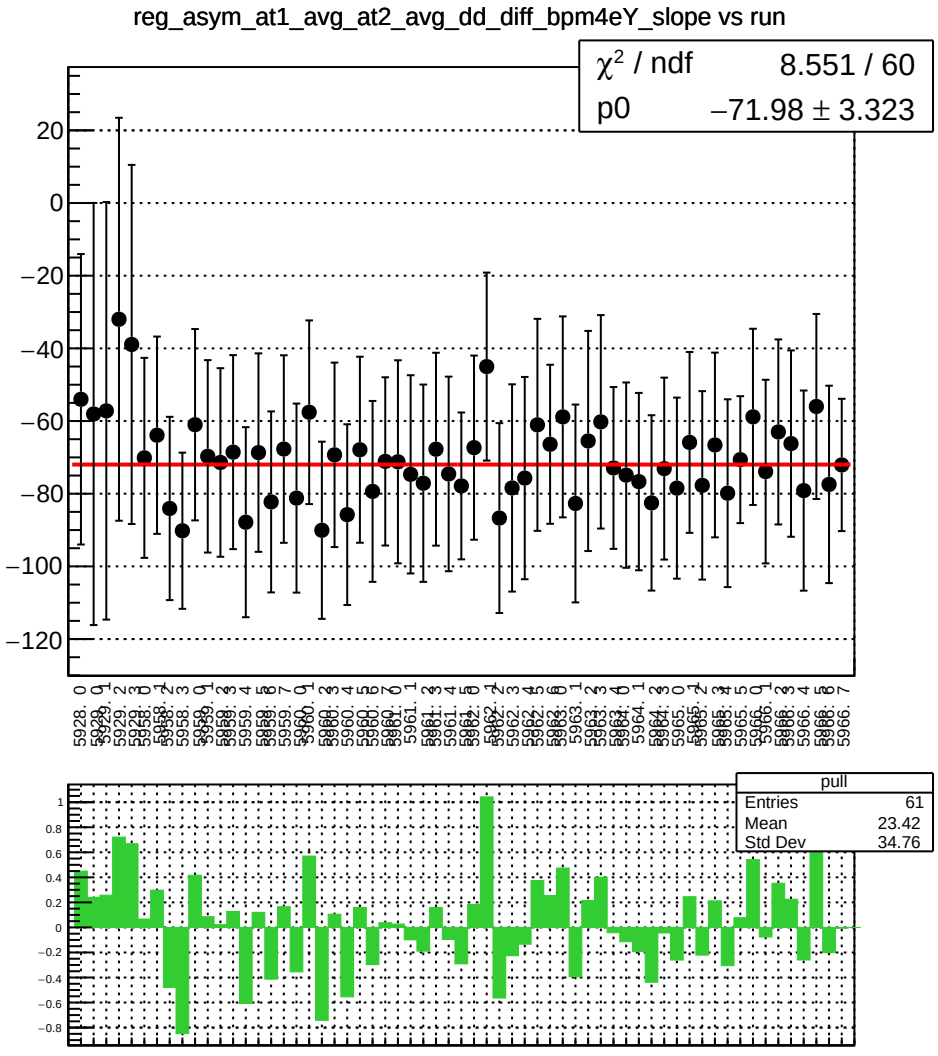

pull1D
Entries 61
Mean 0.01098
Std Dev 0.6165

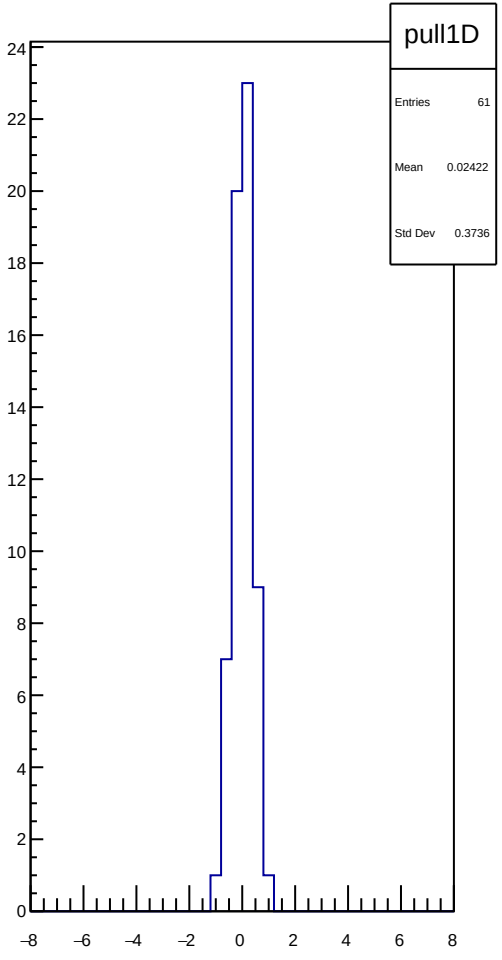

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.819 / 60
p0 9.727 ± 2.583
pull
Entries 61
Mean 18.47
Std Dev 31.89

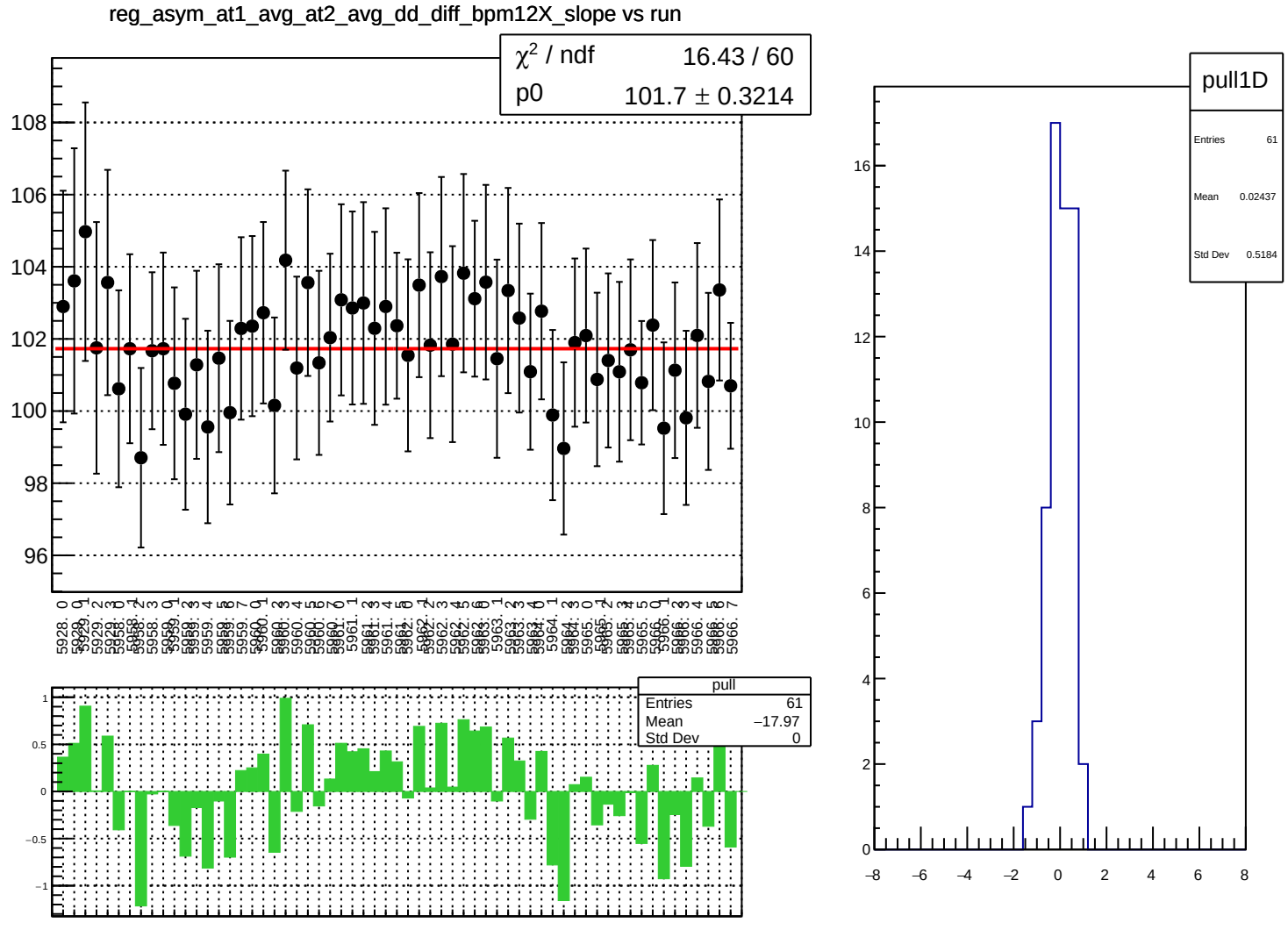

pull1D
Entries 61
Mean −0.02566
Std Dev 0.3571

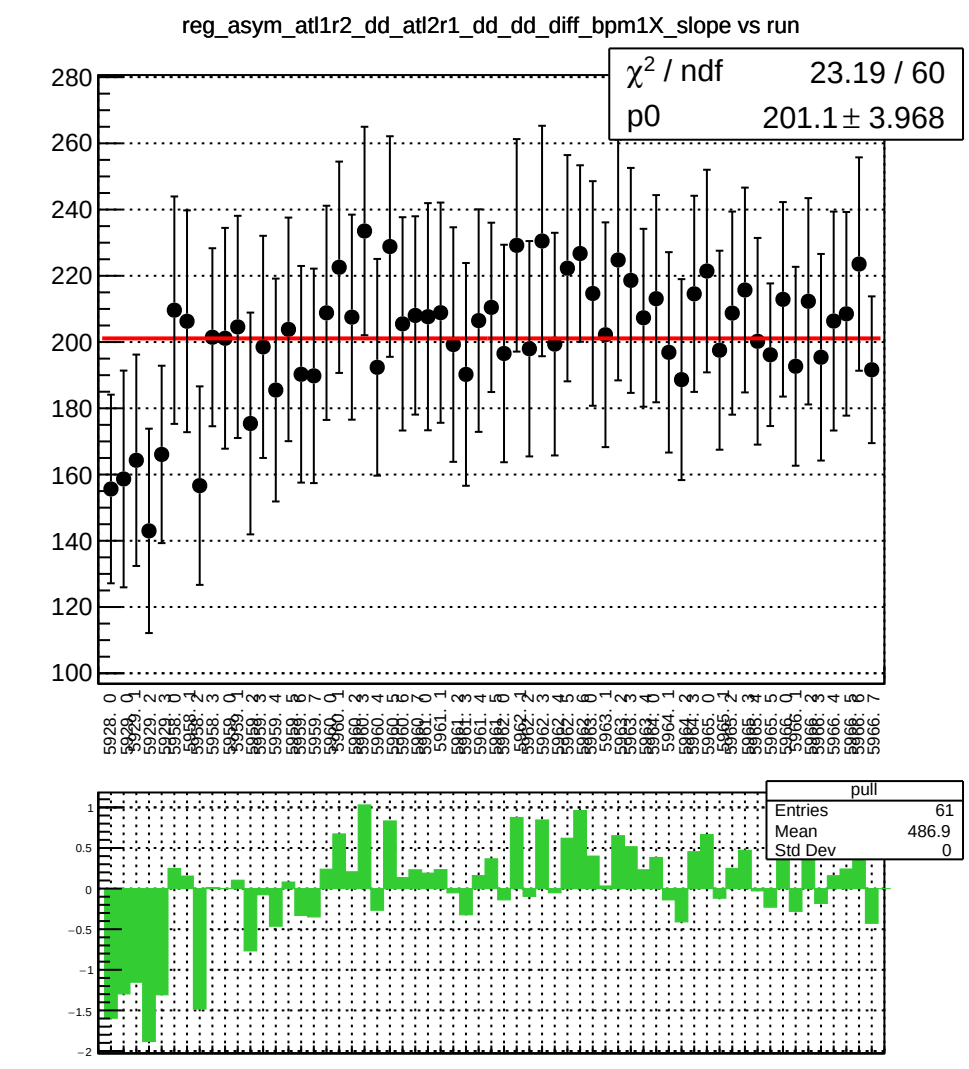

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.81 / 60
p0 −233.1± 4.038
pull
Entries 61
Mean 0.1884
Std Dev 0

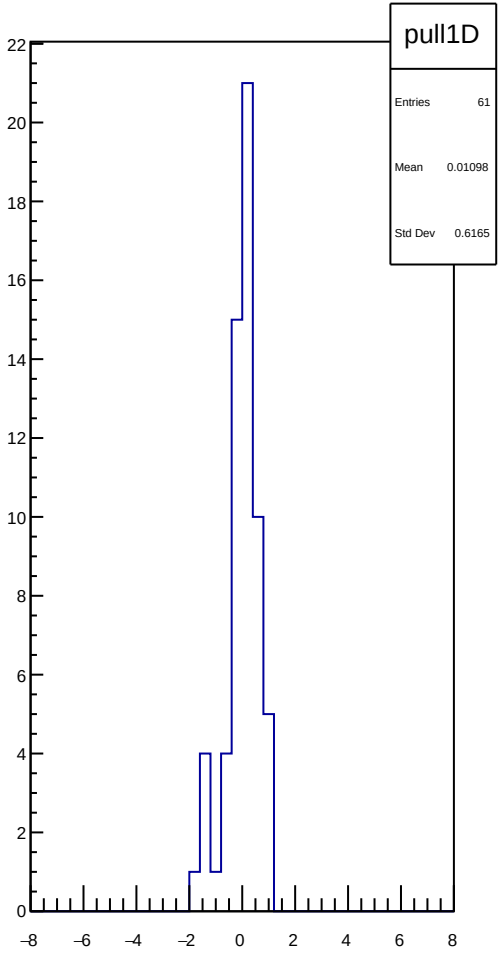

pull1D
Entries 61
Mean −0.02565
Std Dev 0.4921

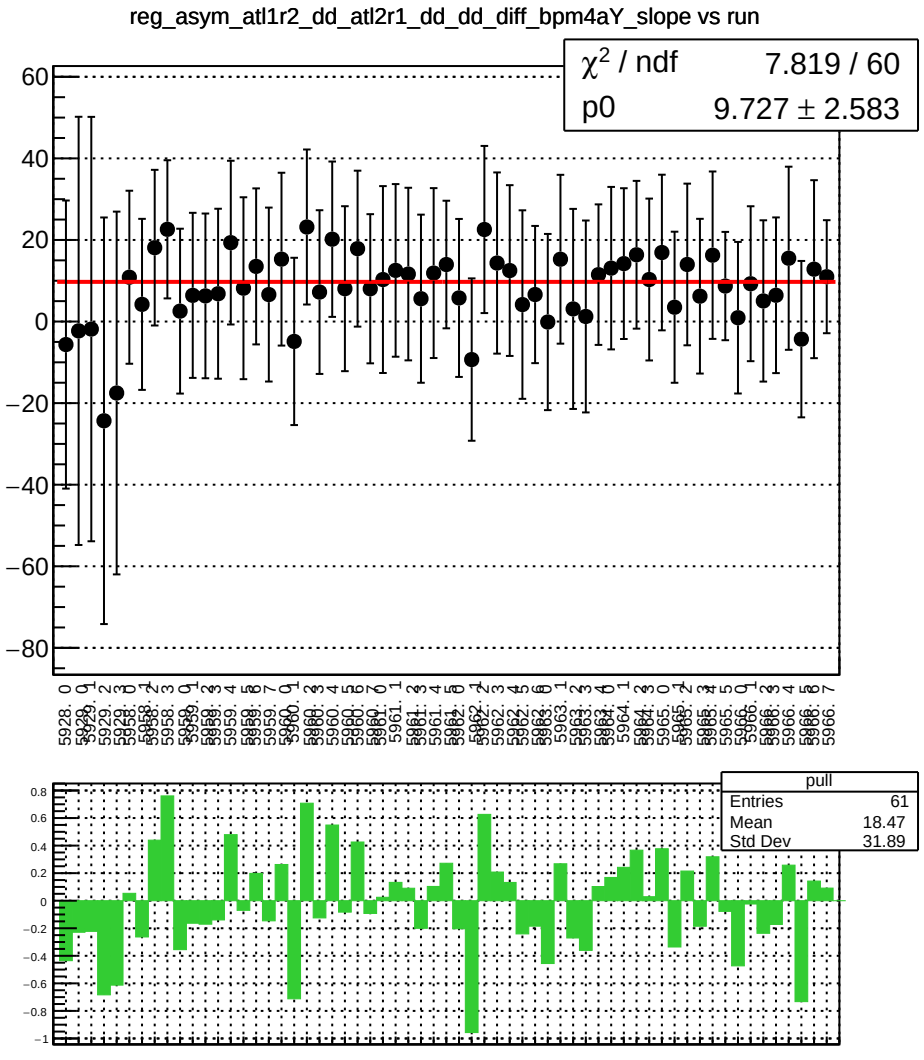

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.551 / 60
p0 −71.98 ± 3.323
pull
Entries 61
Mean 23.42
Std Dev 34.76

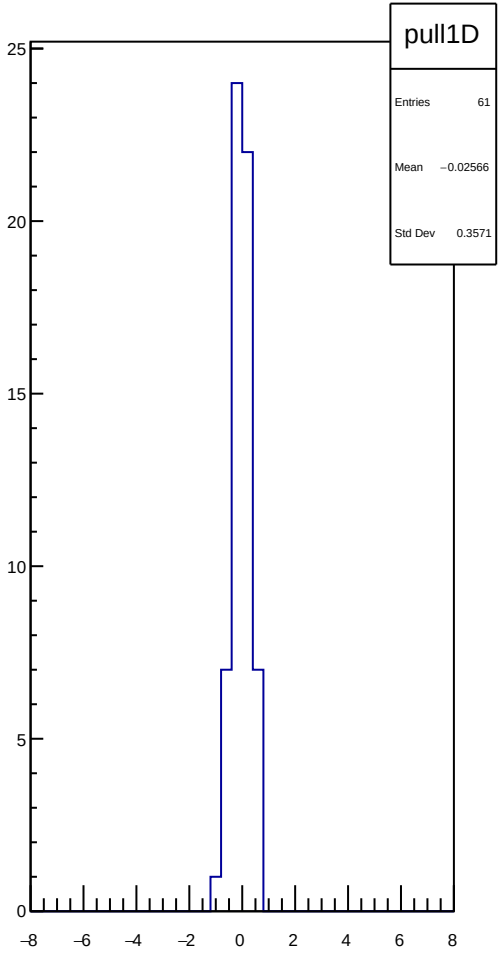

pull1D
Entries 61
Mean 0.02422
Std Dev 0.3736

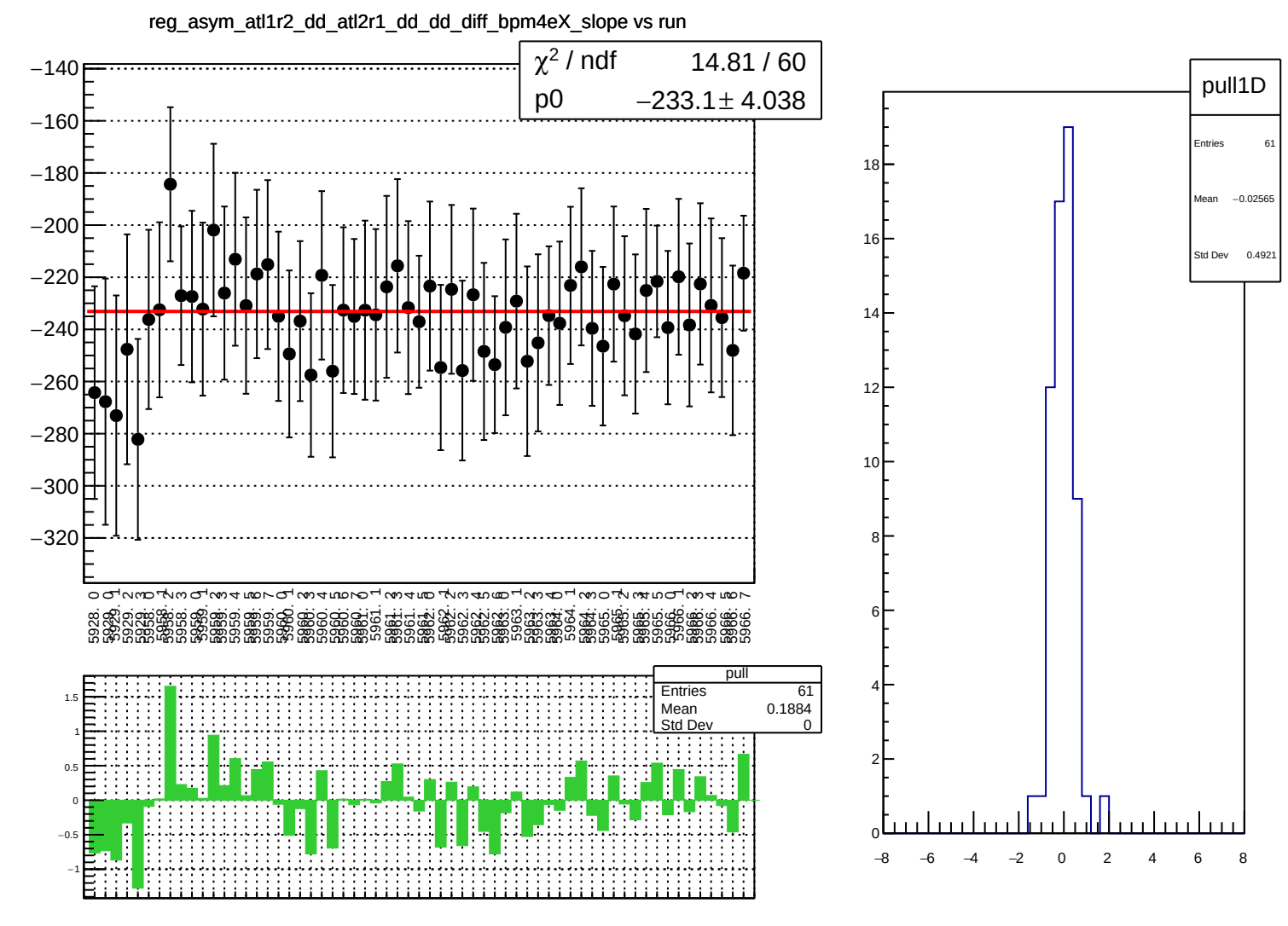

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 16.43 / 60
p0 101.7 ± 0.3214
pull
Entries 61
Mean −17.97
Std Dev 0
pull1D
Entries 61
Mean 0.02437
Std Dev 0.5184

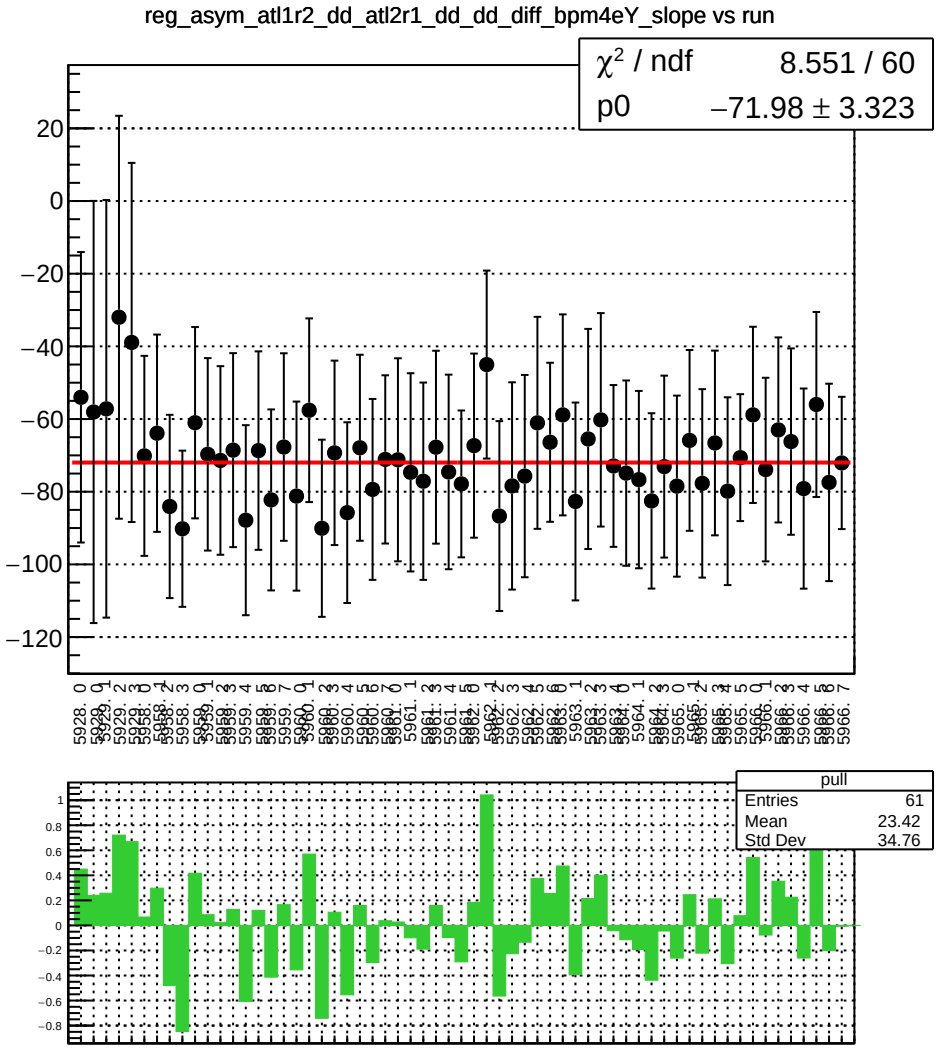

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 23.19 / 60
p0 201.1 ± 3.968
pull
Entries 61
Mean 486.9
Std Dev 0

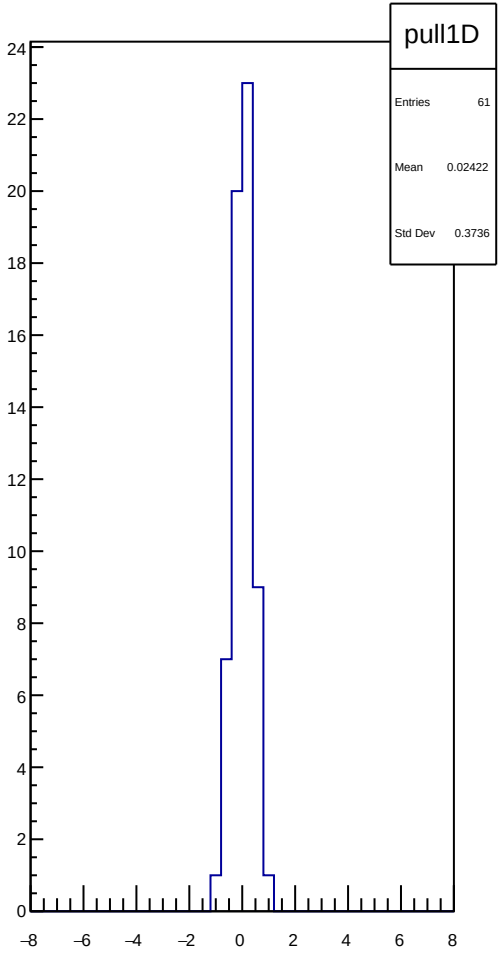

pull1D
Entries 61
Mean 0.01098
Std Dev 0.6165

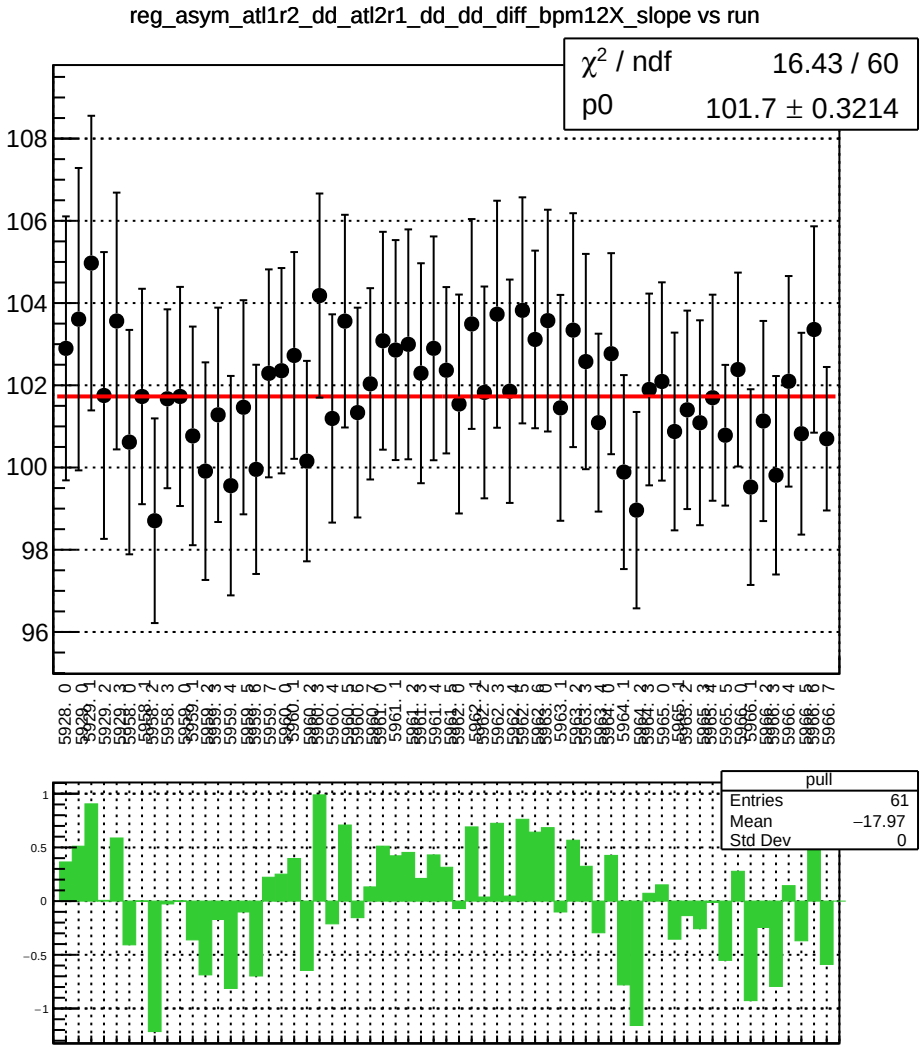

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.819 / 60
p0 9.727 ± 2.583
pull
Entries 61
Mean 18.47
Std Dev 31.89

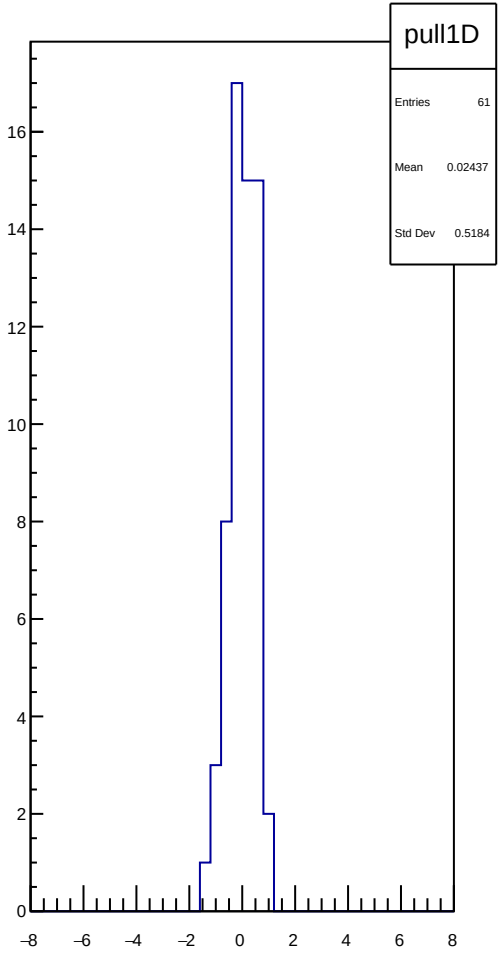

pull1D
Entries 61
Mean −0.02566
Std Dev 0.3571

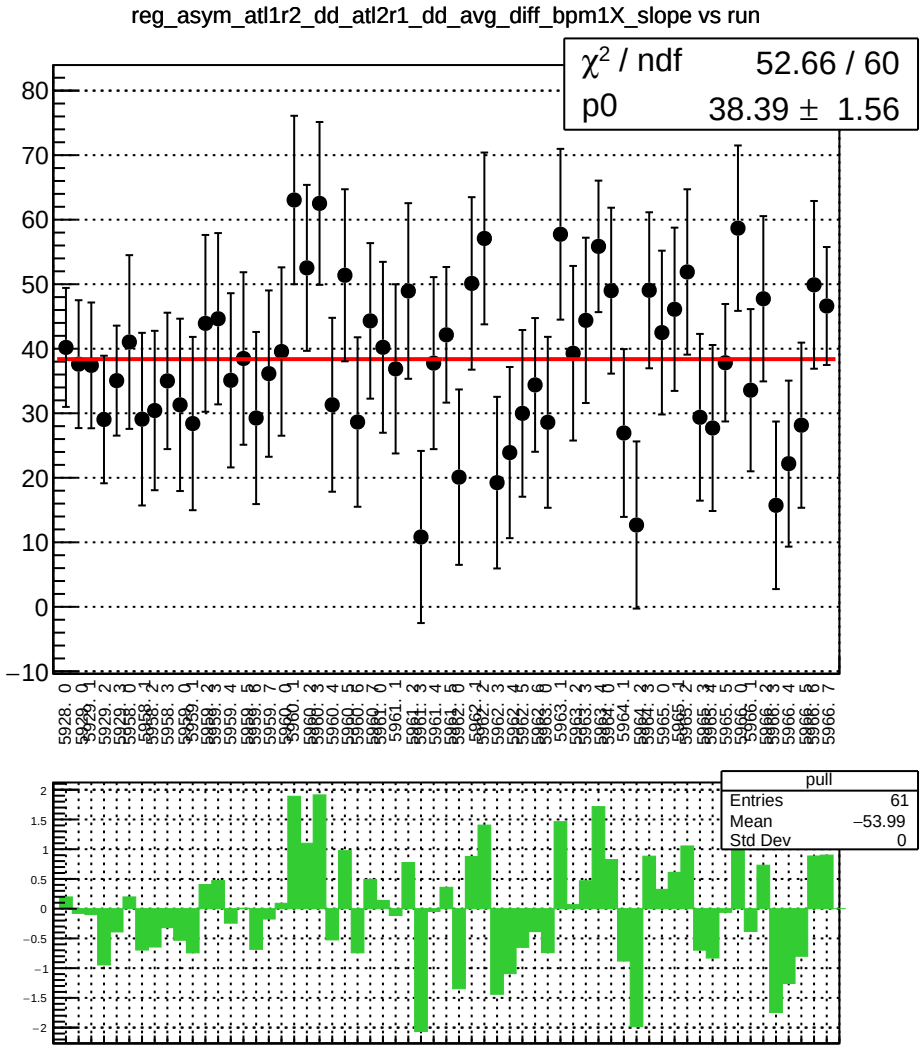

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.81 / 60
p0 −233.1± 4.038
pull
Entries 61
Mean 0.1884
Std Dev 0
pull1D
Entries 61
Mean −0.02565
Std Dev 0.4921

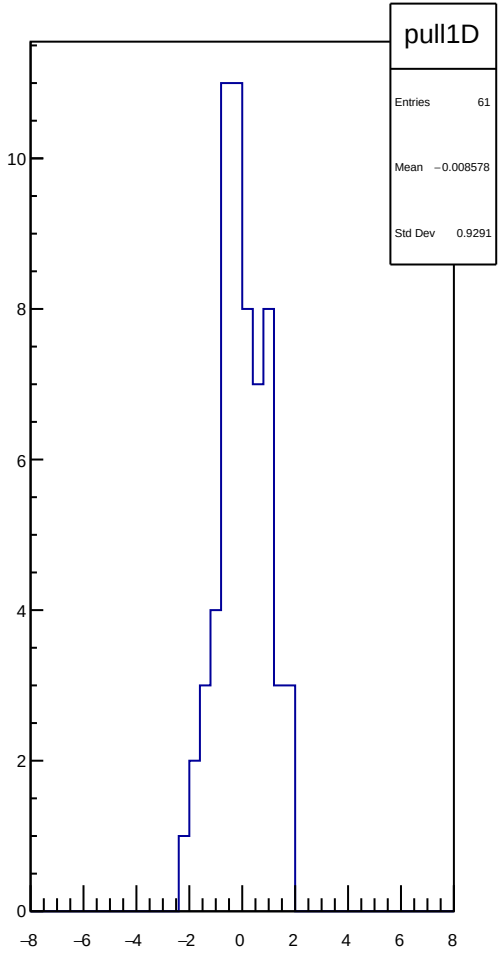

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.551 / 60
p0 −71.98 ± 3.323
pull
Entries 61
Mean 23.42
Std Dev 34.76

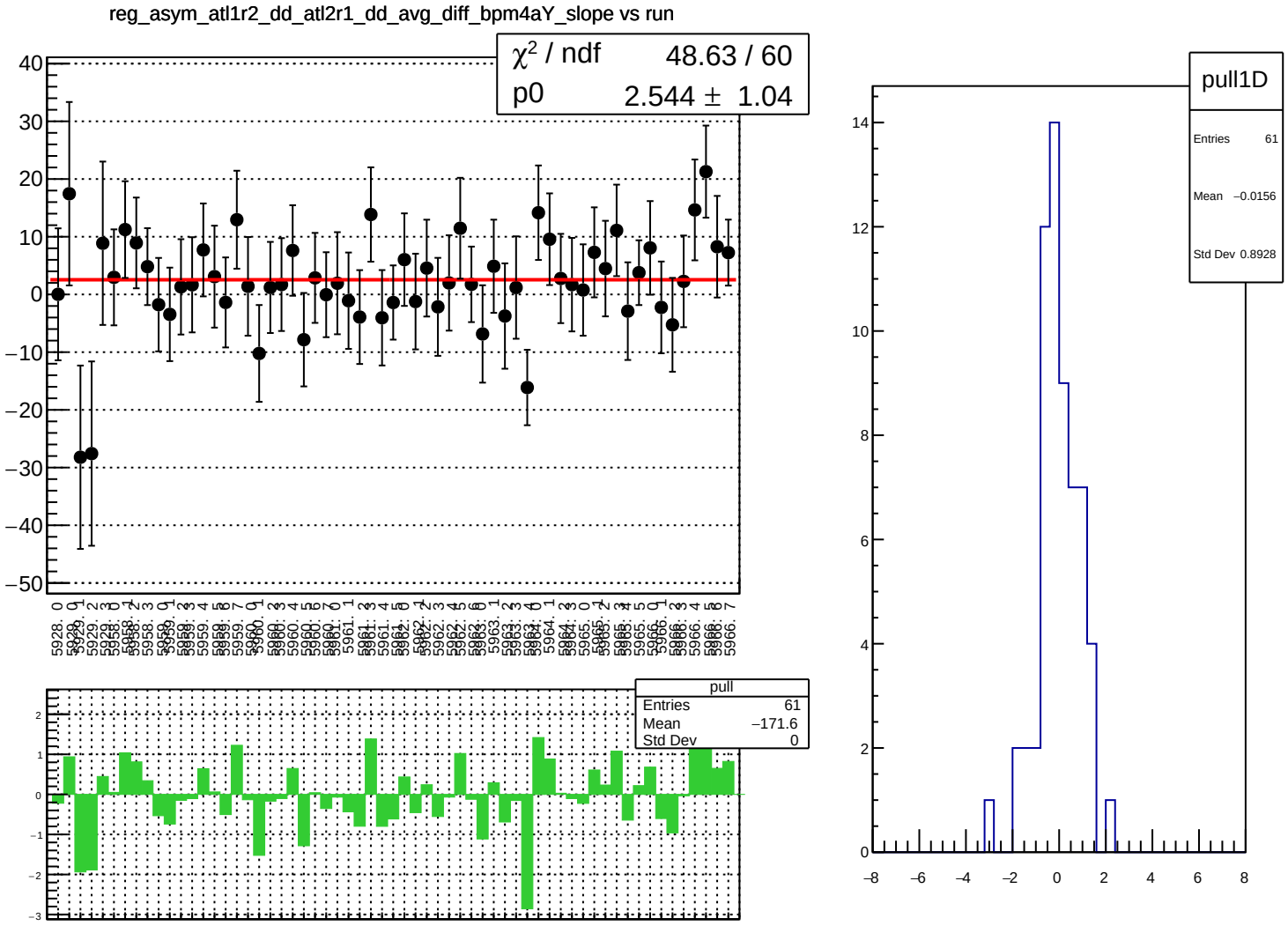

pull1D
Entries 61
Mean 0.02422
Std Dev 0.3736

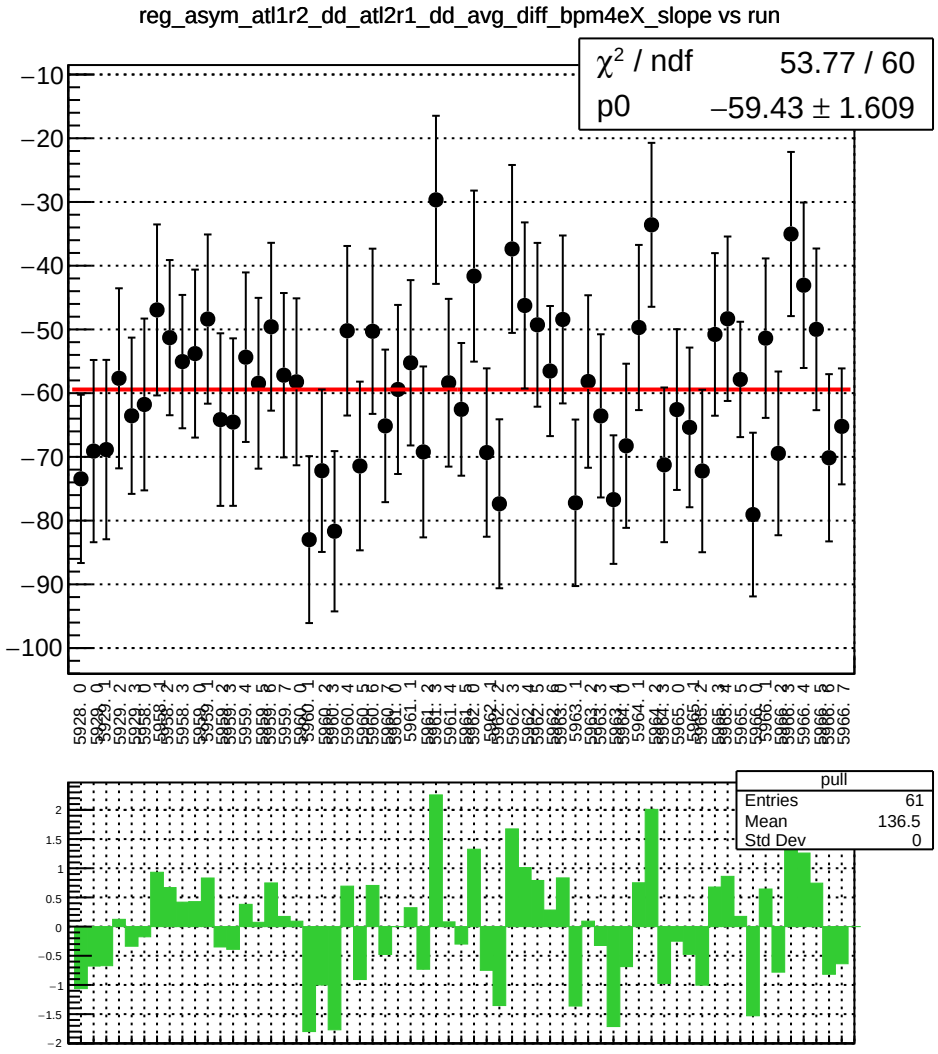

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.43 / 60
p0 101.7 ± 0.3214
pull
Entries 61
Mean −17.97
Std Dev 0

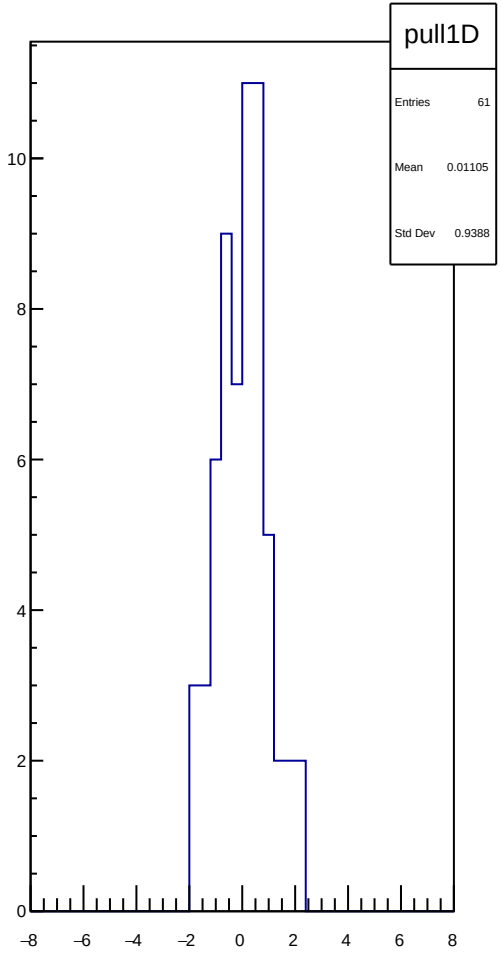

pull1D
Entries 61
Mean 0.02437
Std Dev 0.5184

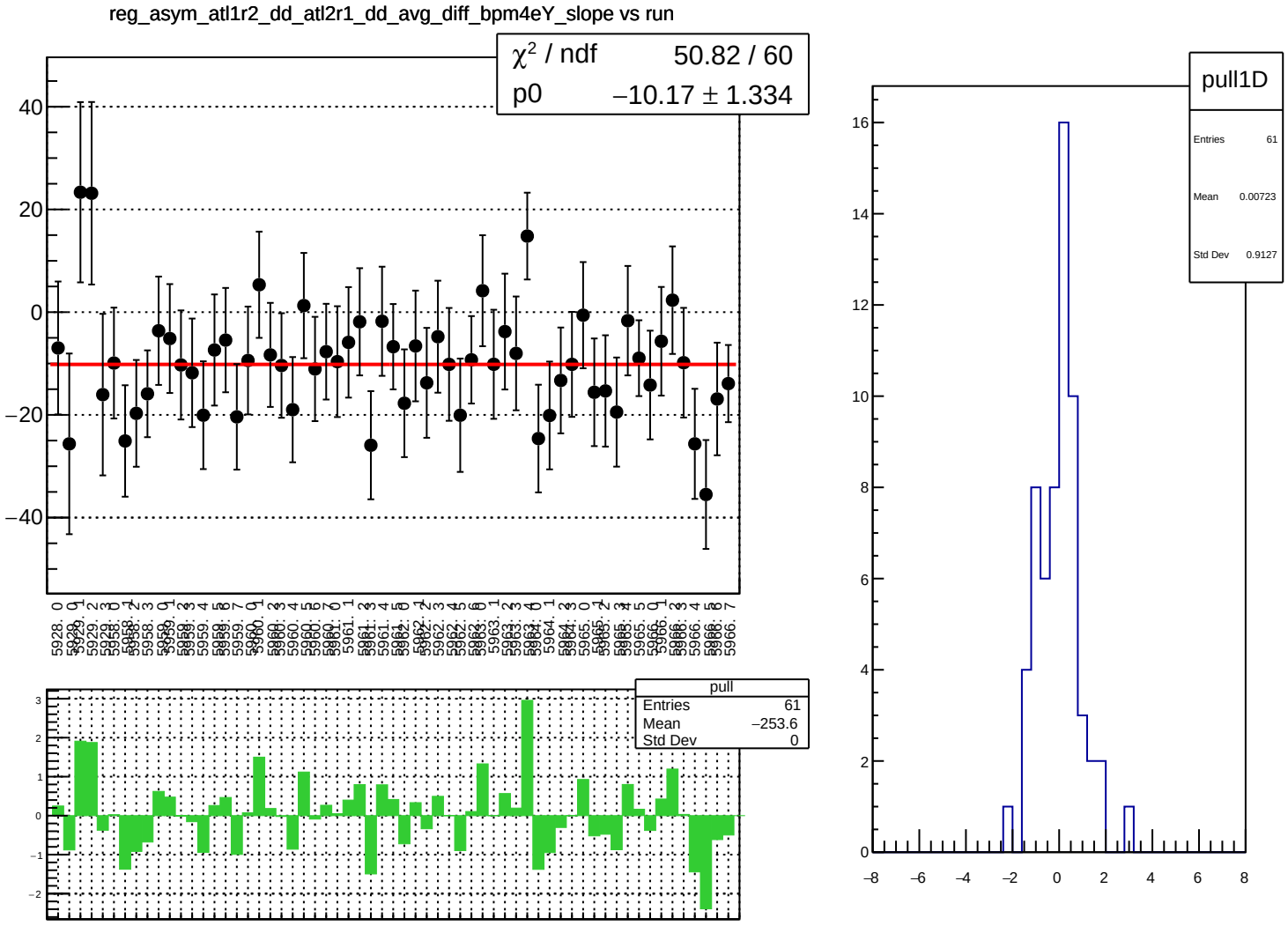

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 52.66 / 60
p0 38.39 ± 1.56
pull
Entries 61
Mean −53.99
Std Dev 0

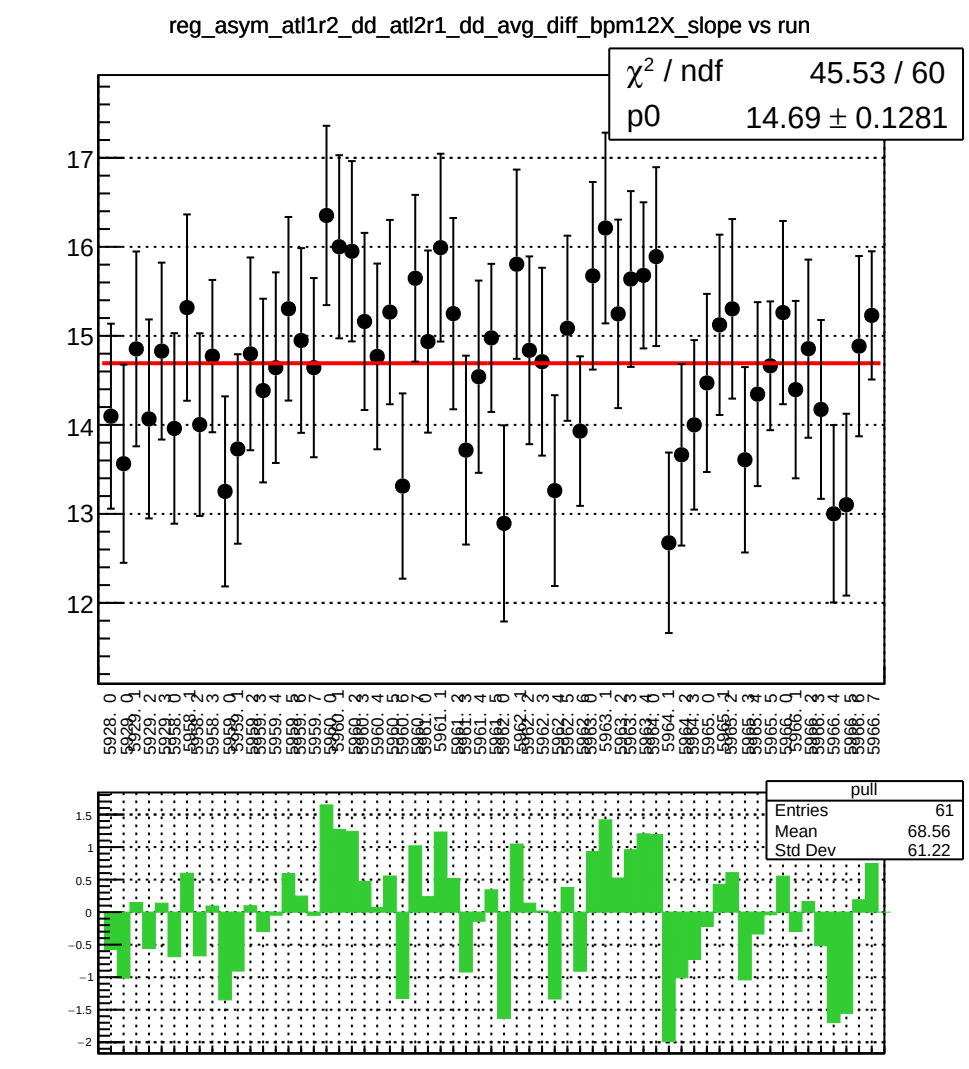

pull1D
Entries 61
Mean −0.008578
Std Dev 0.9291

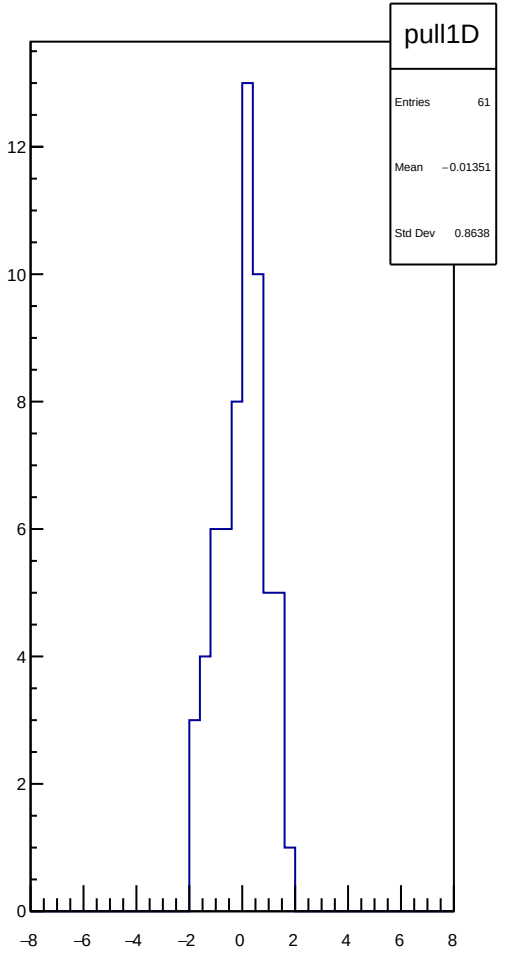

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.63 / 60
p0 2.544 ± 1.04
pull
Entries 61
Mean −171.6
Std Dev 0
pull1D
Entries 61
Mean −0.0156
Std Dev 0.8928

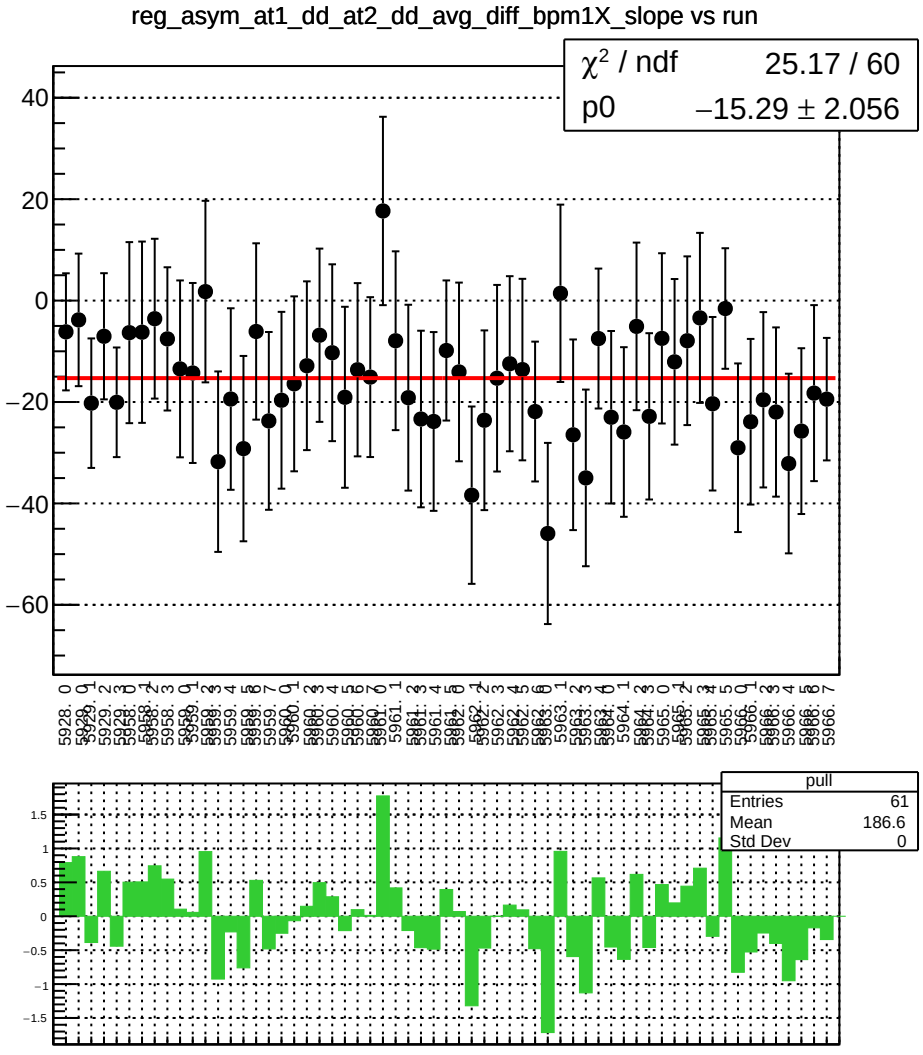

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.77 / 60
p0 −59.43 ± 1.609
pull
Entries 61
Mean 136.5
Std Dev 0

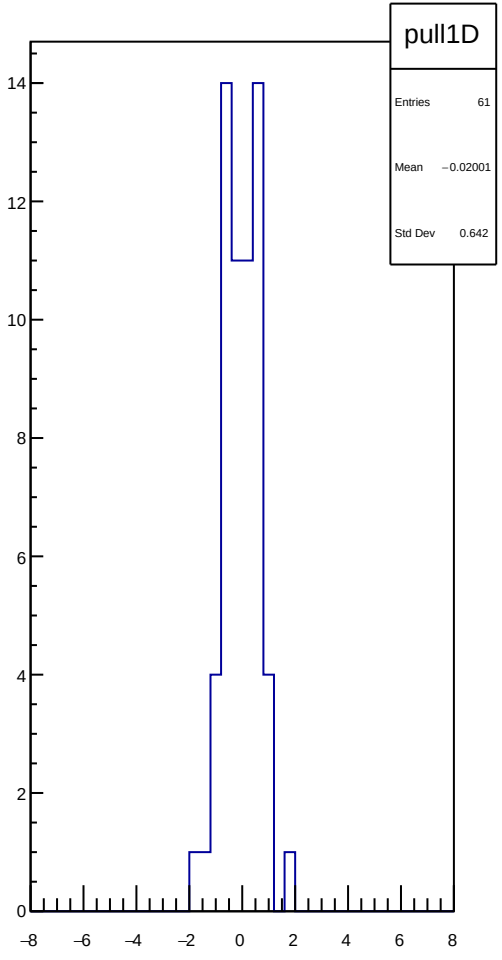

pull1D
Entries 61
Mean 0.01105
Std Dev 0.9388

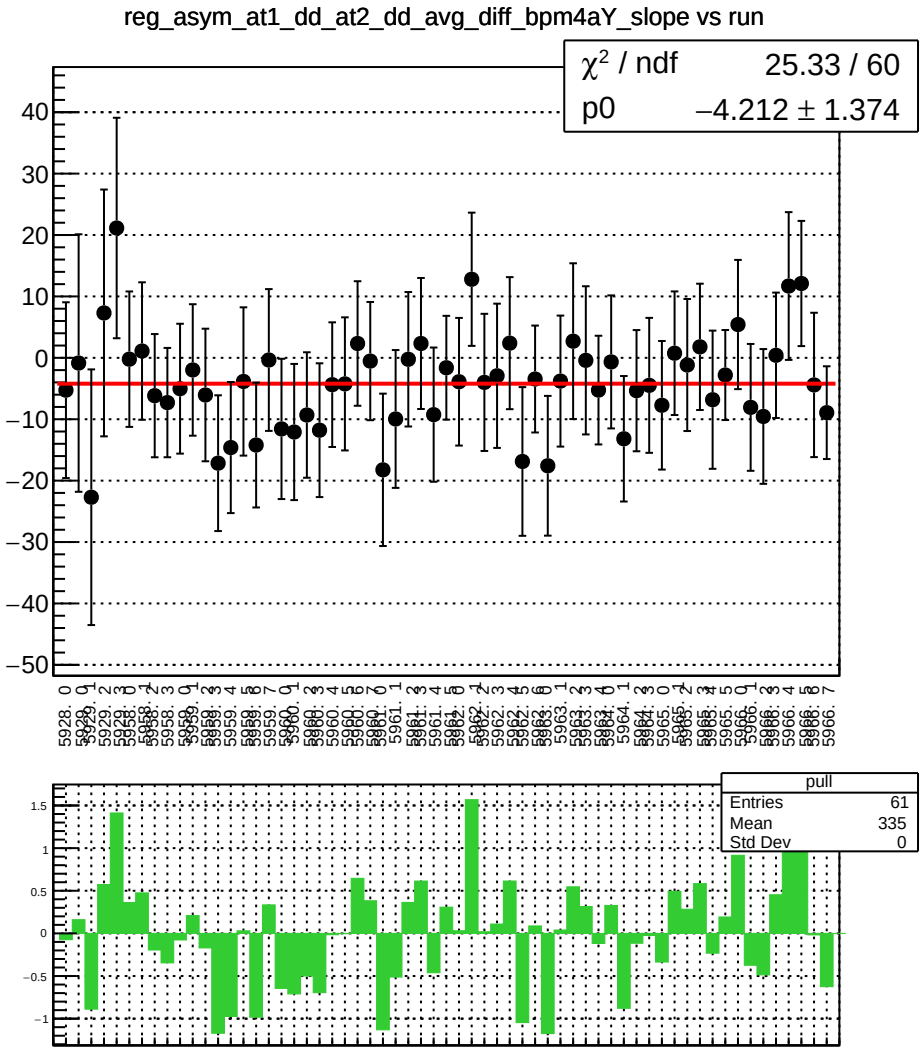

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.82 / 60
p0 −10.17 ± 1.334
pull
Entries 61
Mean −253.6
Std Dev 0
pull1D
Entries 61
Mean 0.00723
Std Dev 0.9127

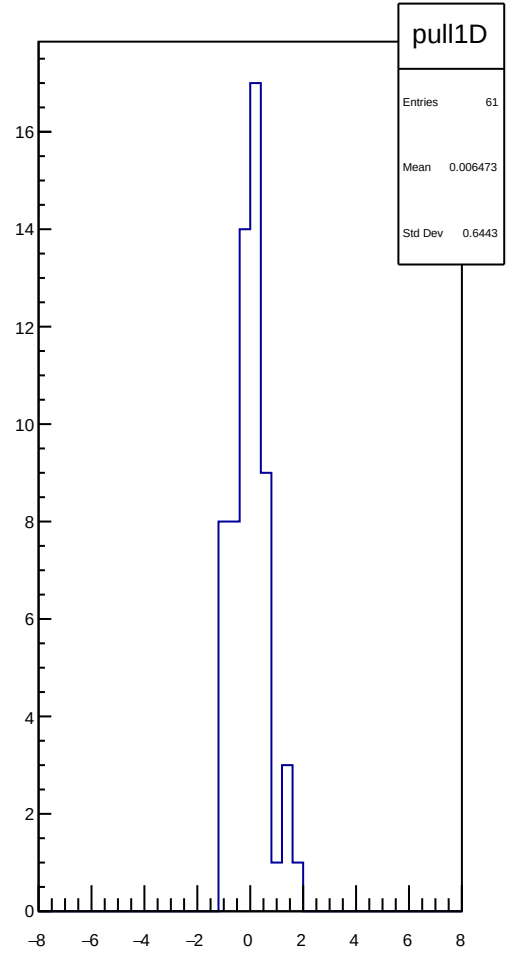

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 45.53 / 60
p0 14.69 ± 0.1281
pull
Entries 61
Mean 68.56
Std Dev 61.22

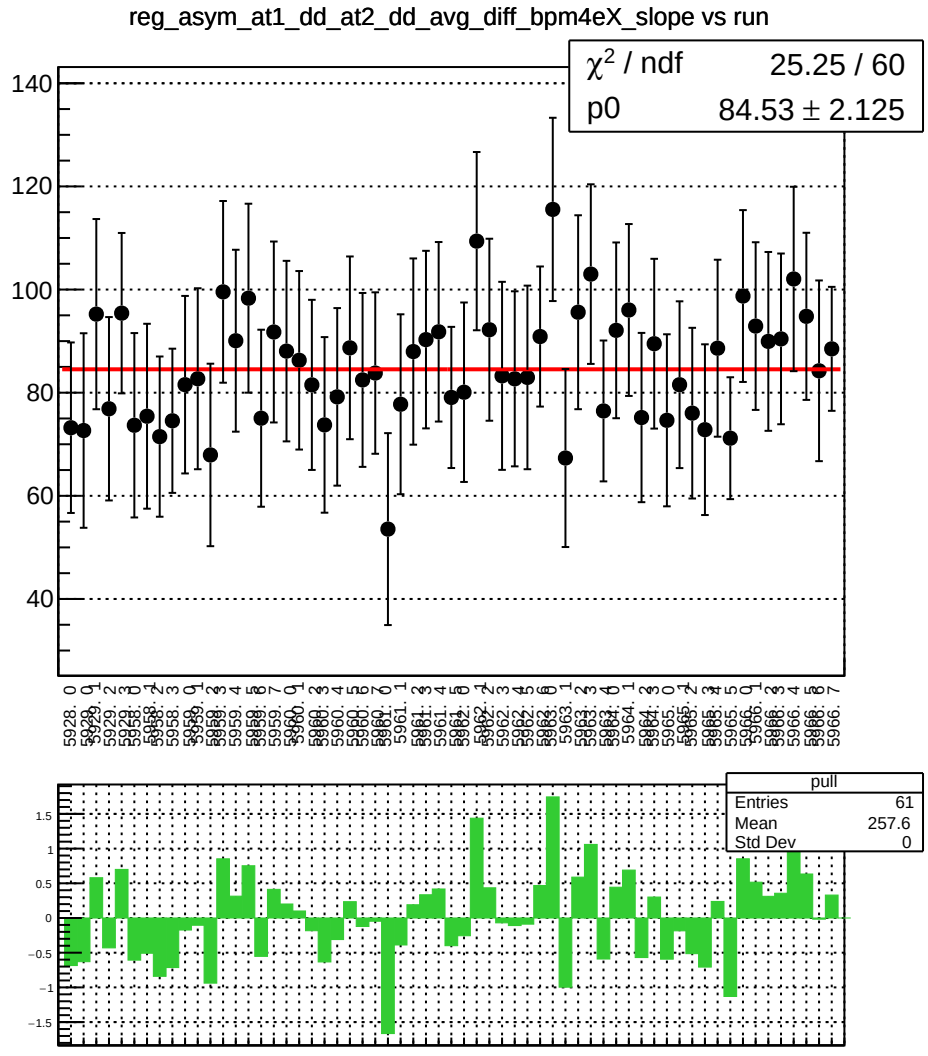

pull1D
Entries 61
Mean −0.01351
Std Dev 0.8638

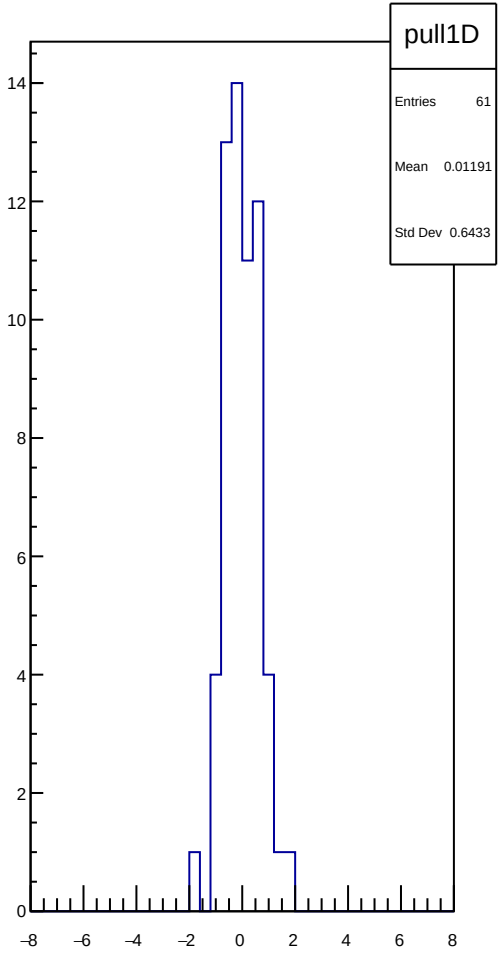

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 25.17 / 60
p0 −15.29 ± 2.056
pull
Entries 61
Mean 186.6
Std Dev 0

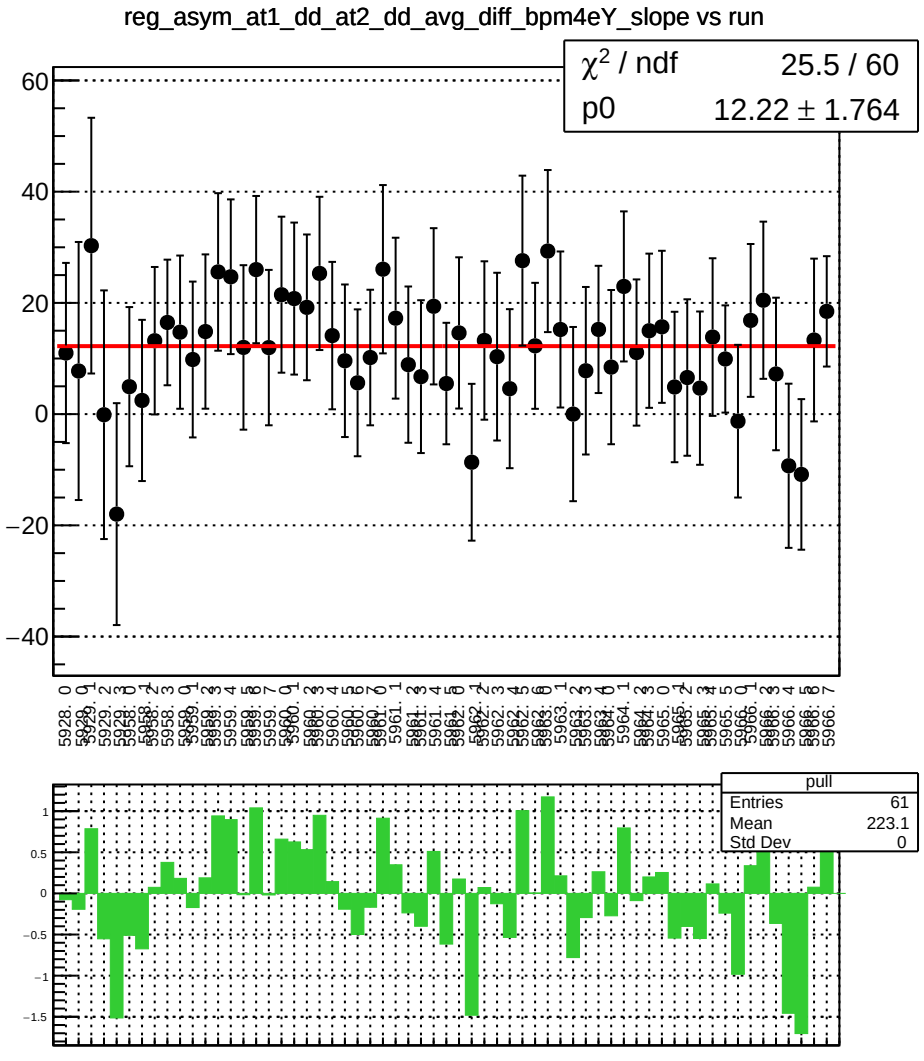

pull1D
Entries 61
Mean −0.02001
Std Dev 0.642

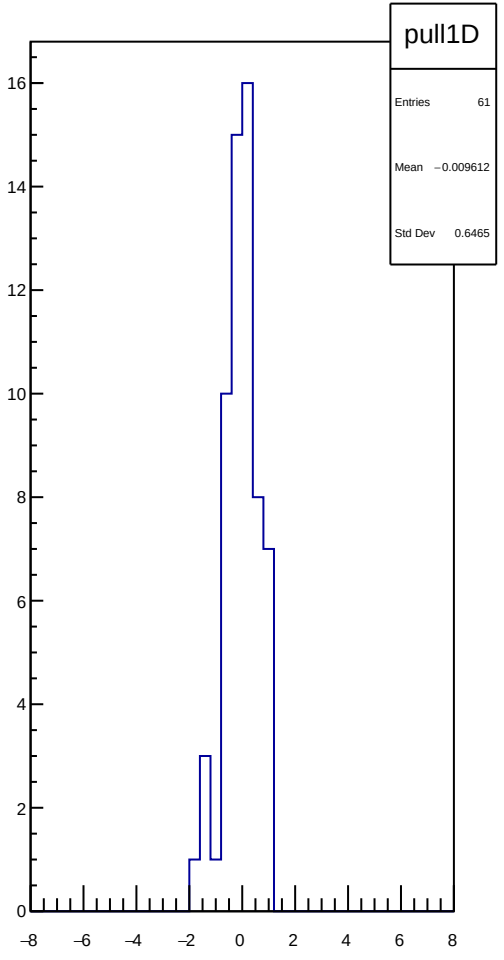

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.33 / 60
p0 −4.212 ± 1.374
pull
Entries 61
Mean 335
Std Dev 0

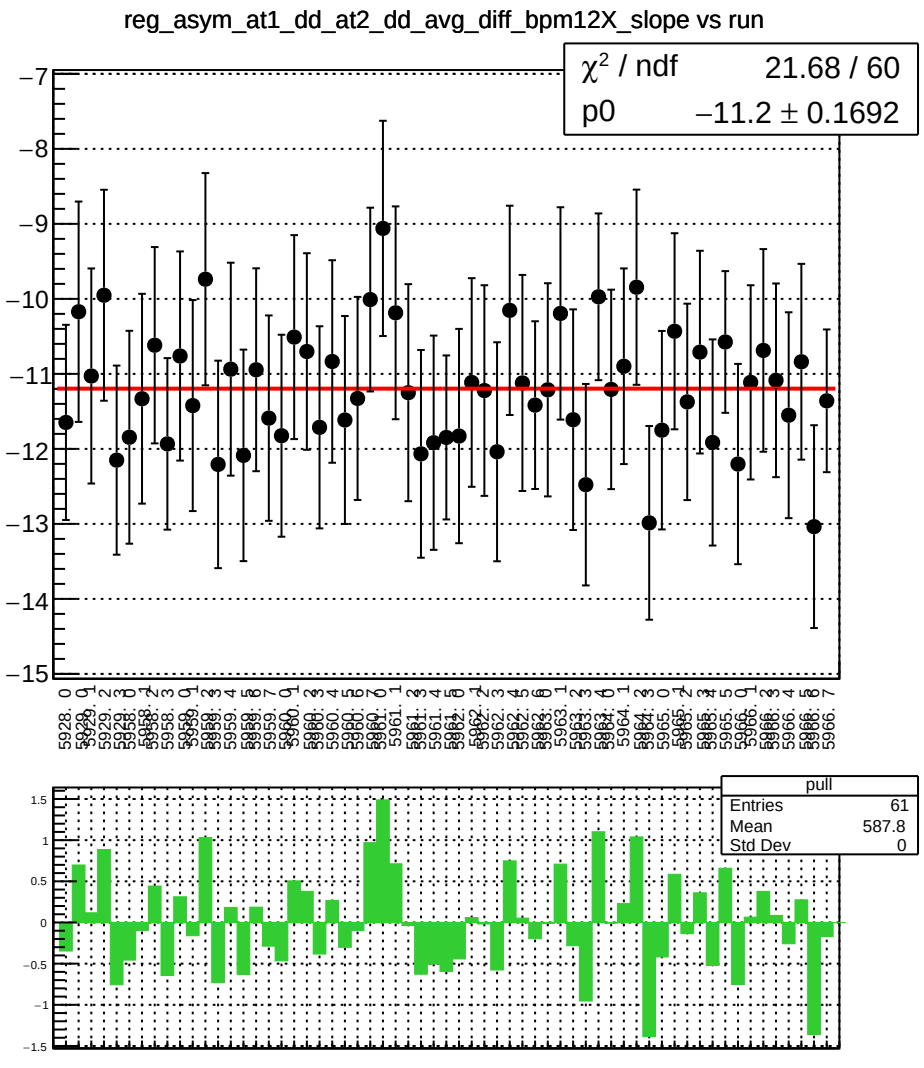

pull1D
Entries 61
Mean 0.006473
Std Dev 0.6443

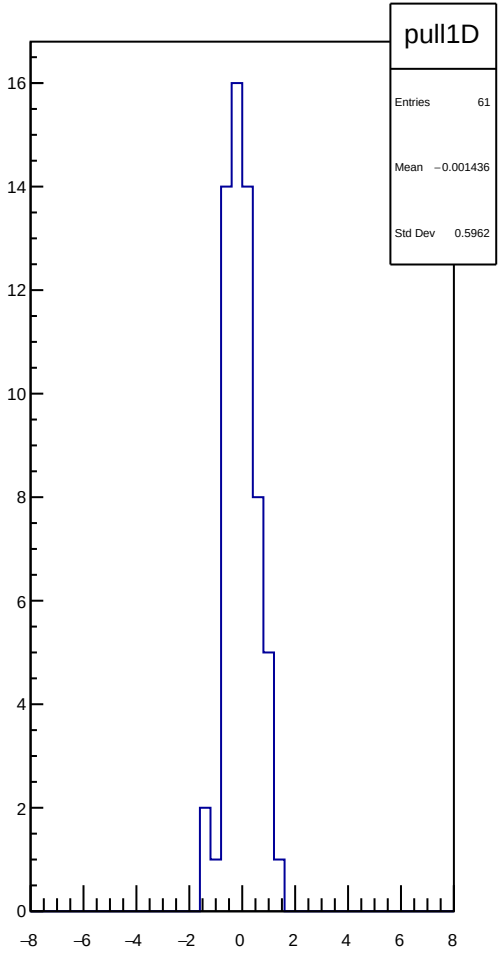

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.25 / 60
p0 84.53 ± 2.125
pull
Entries 61
Mean 257.6
Std Dev 0

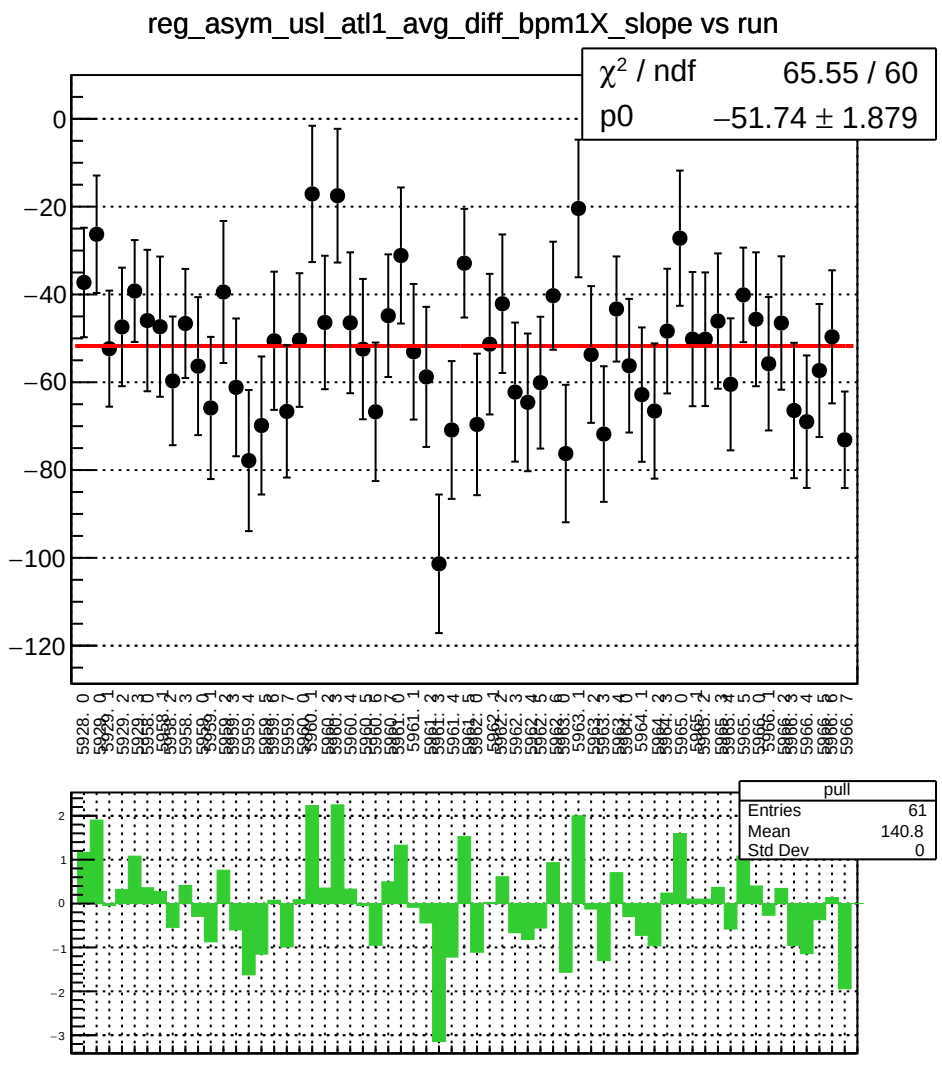

pull1D
Entries 61
Mean 0.01191
Std Dev 0.6433

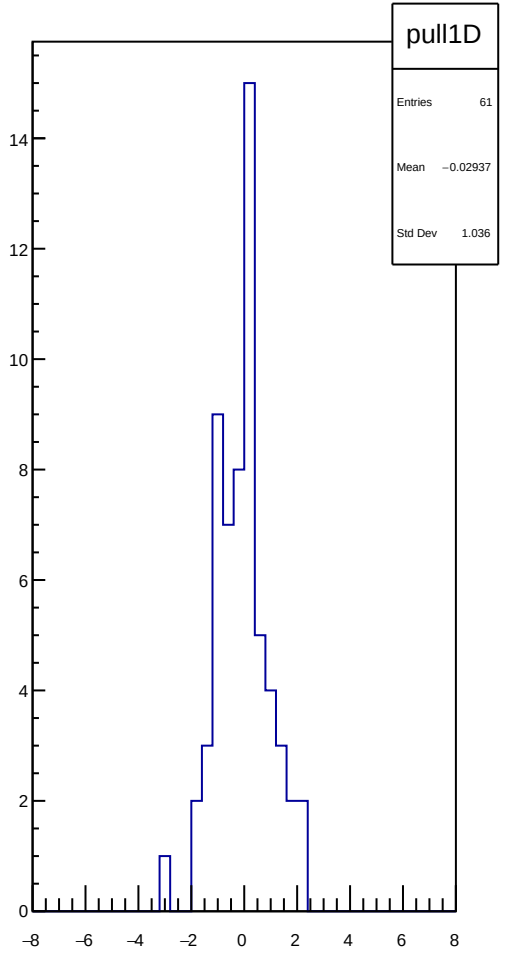

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.5 / 60
p0 12.22 ± 1.764
pull
Entries 61
Mean 223.1
Std Dev 0

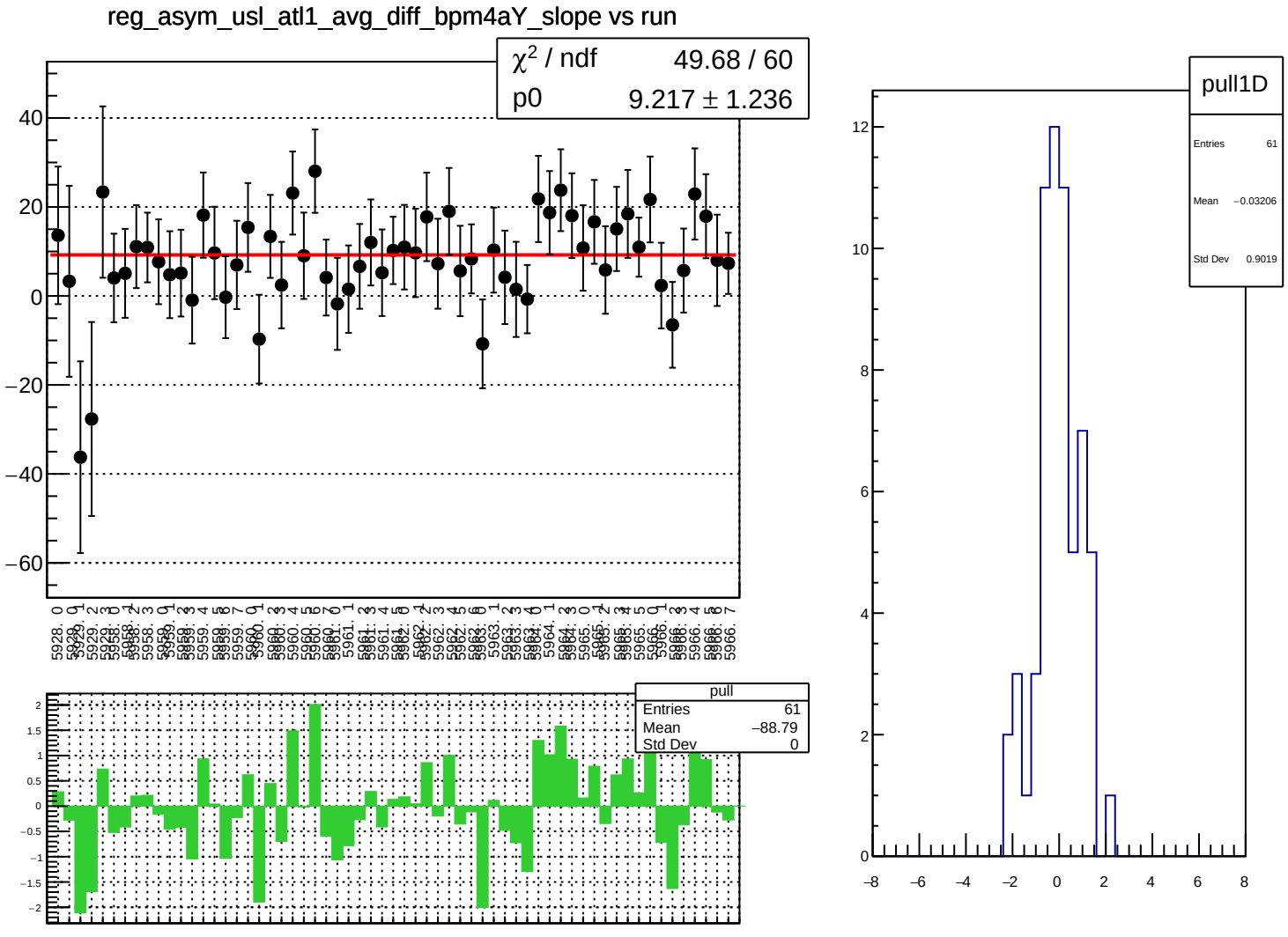

pull1D
Entries 61
Mean −0.009612
Std Dev 0.6465

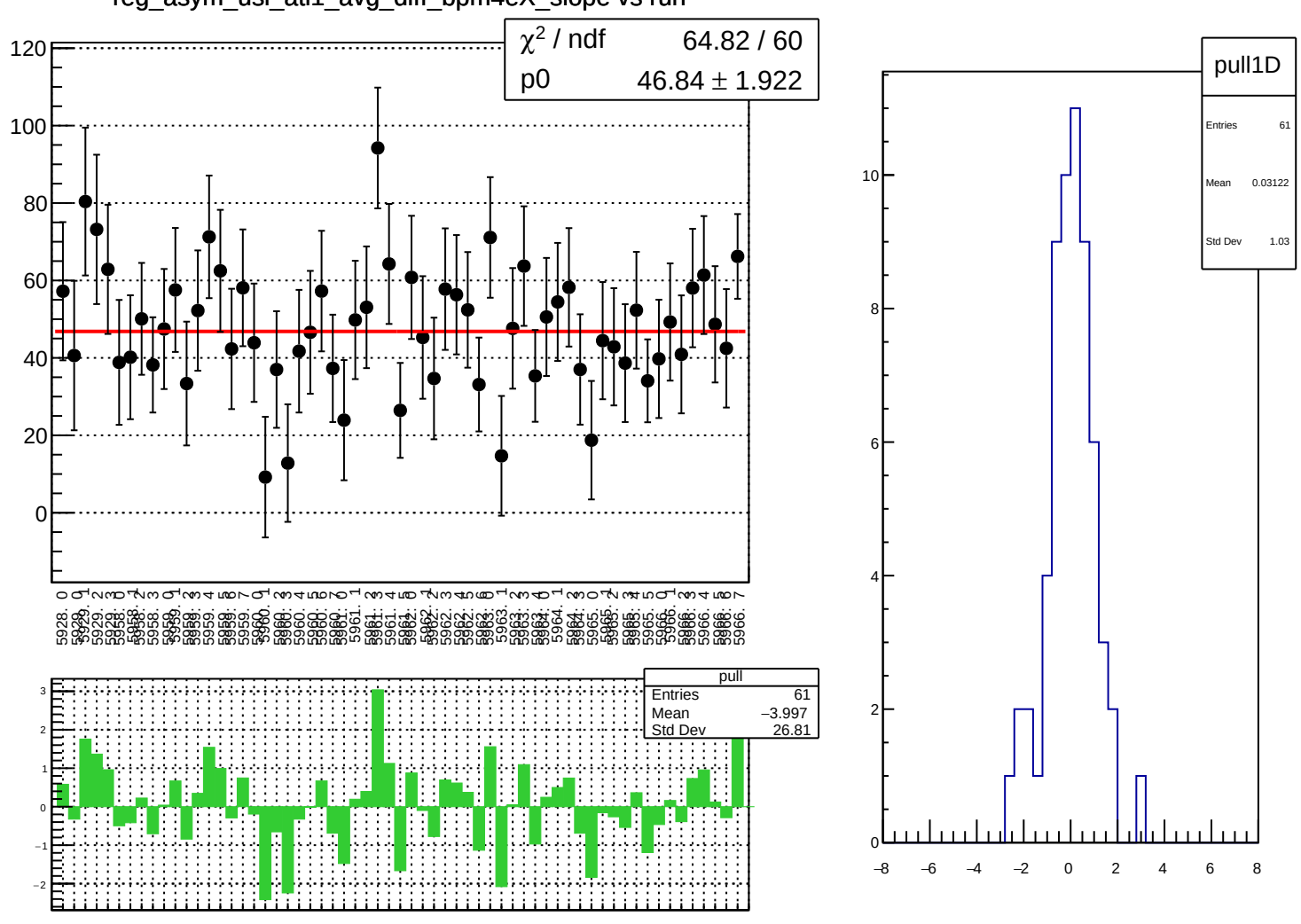

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 21.68 / 60
p0 −11.2 ± 0.1692
pull
Entries 61
Mean 587.8
Std Dev 0

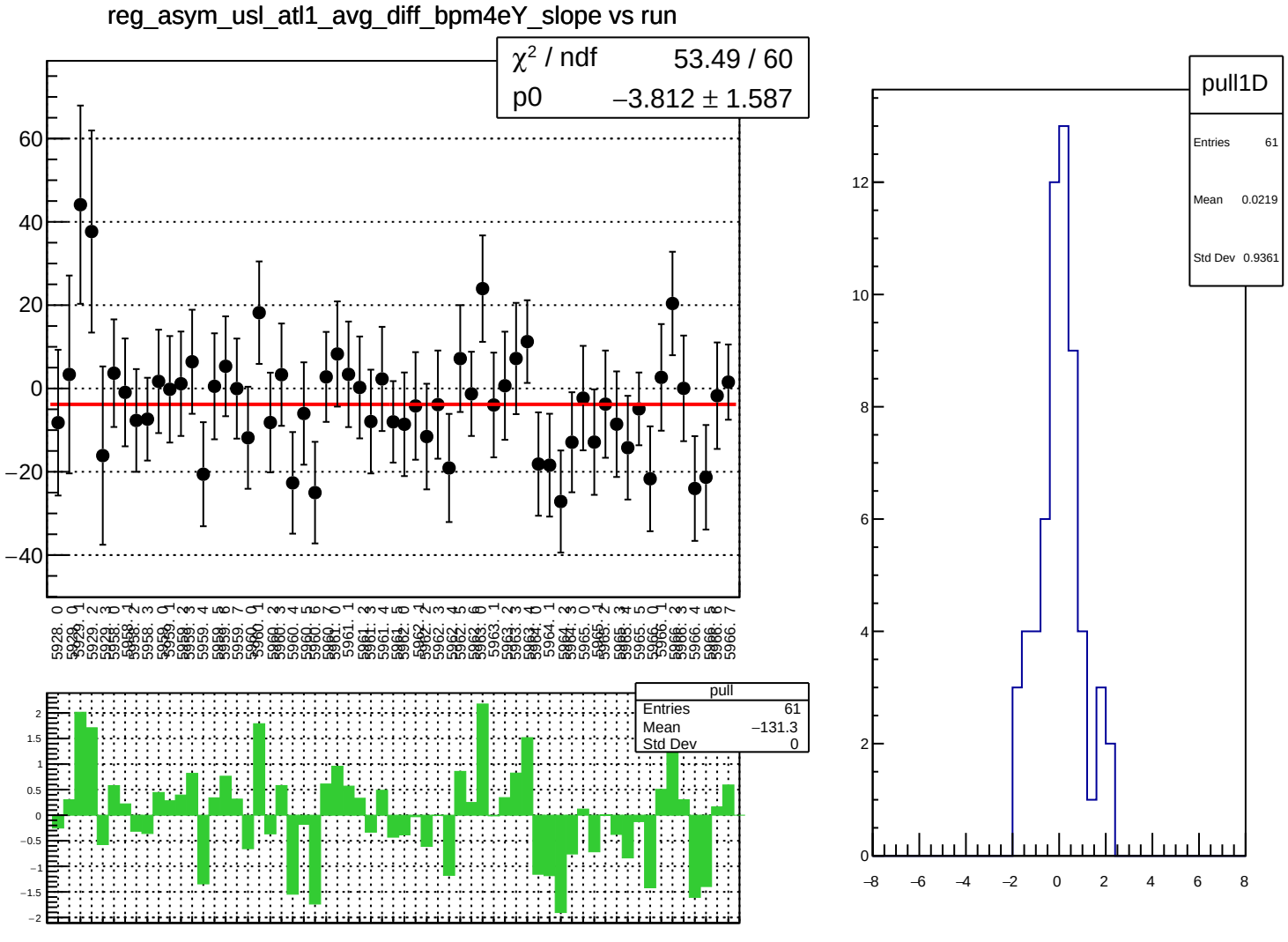

pull1D
Entries 61
Mean −0.001436
Std Dev 0.5962

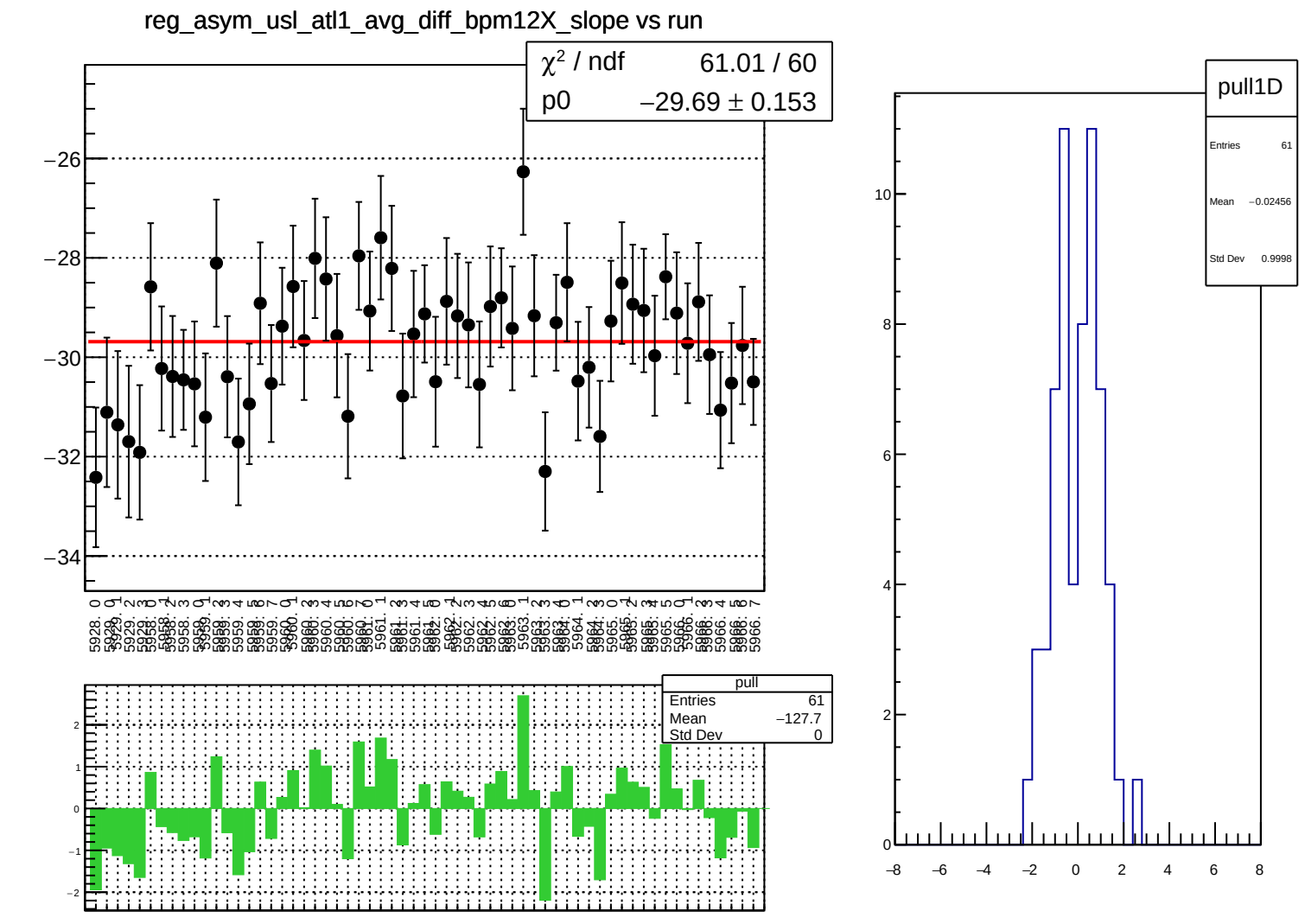

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 65.55 / 60
p0 −51.74 ± 1.879
pull
Entries 61
Mean 140.8
Std Dev 0

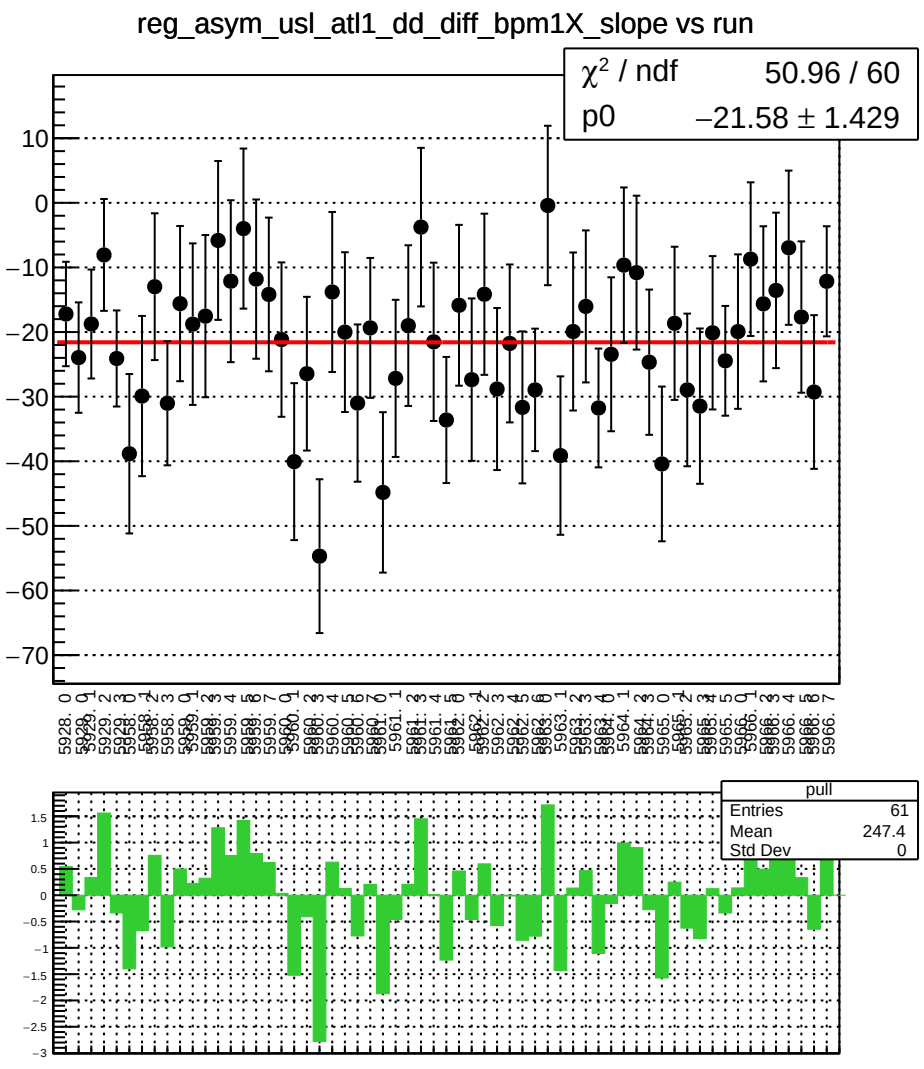

pull1D
Entries 61
Mean −0.02937
Std Dev 1.036

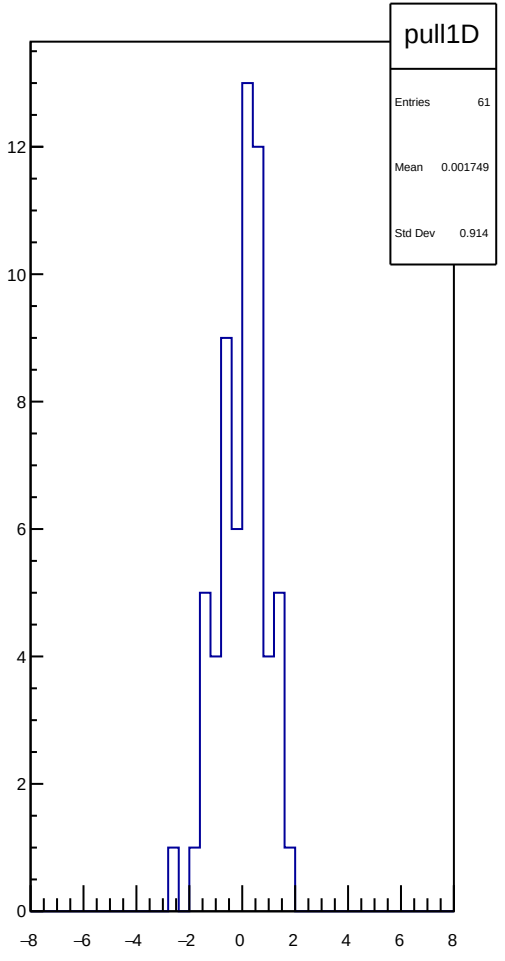

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.68 / 60
p0 9.217 ± 1.236
pull
Entries 61
Mean −88.79
Std Dev 0
pull1D
Entries 61
Mean −0.03206
Std Dev 0.9019

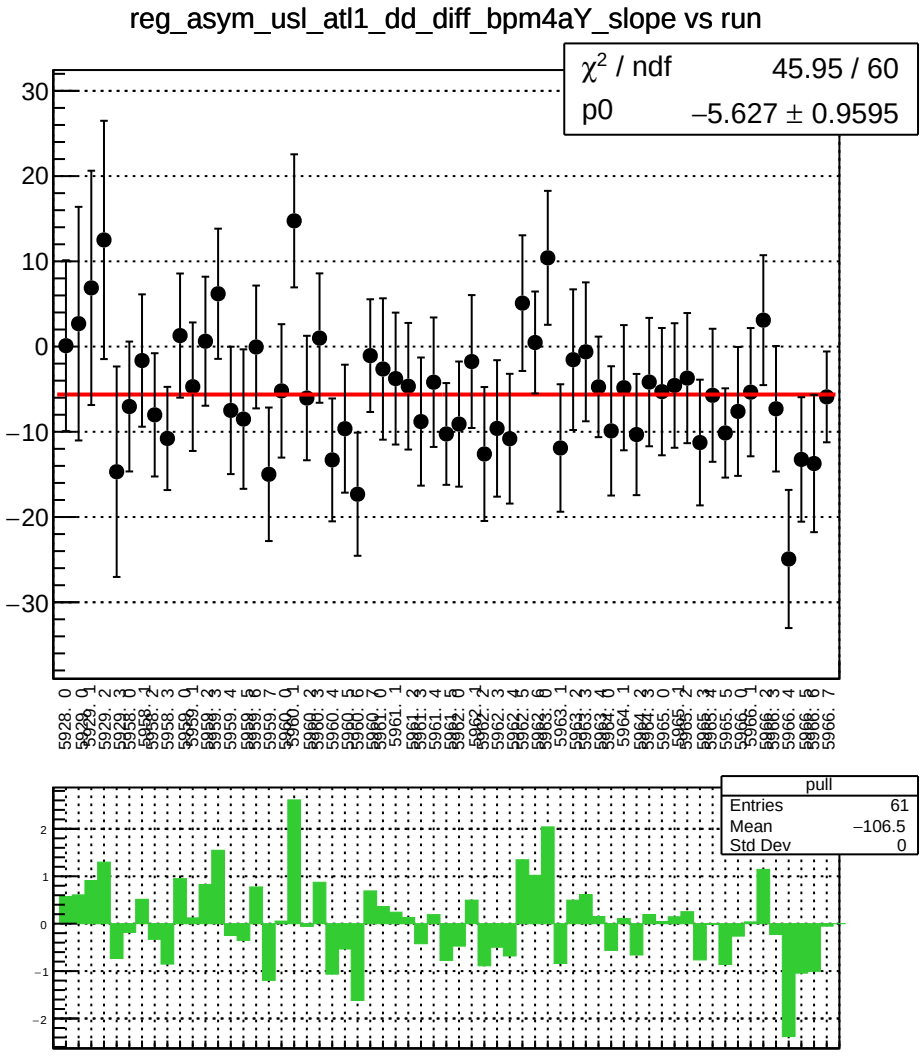

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.82 / 60
p0 46.84 ± 1.922
pull
Entries 61
Mean −3.997
Std Dev 26.81
pull1D
Entries 61
Mean 0.03122
Std Dev 1.03

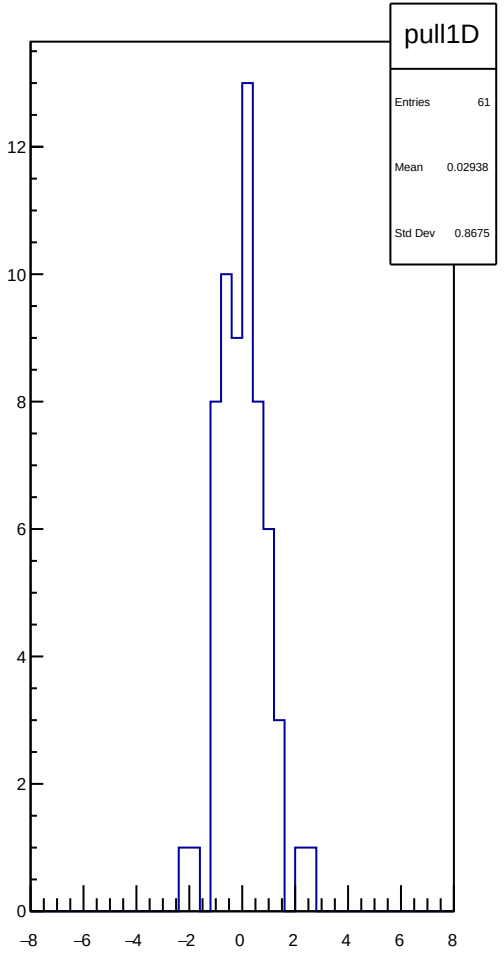

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.49 / 60
p0 −3.812 ± 1.587
pull
Entries 61
Mean −131.3
Std Dev 0
pull1D
Entries 61
Mean 0.0219
Std Dev 0.9361

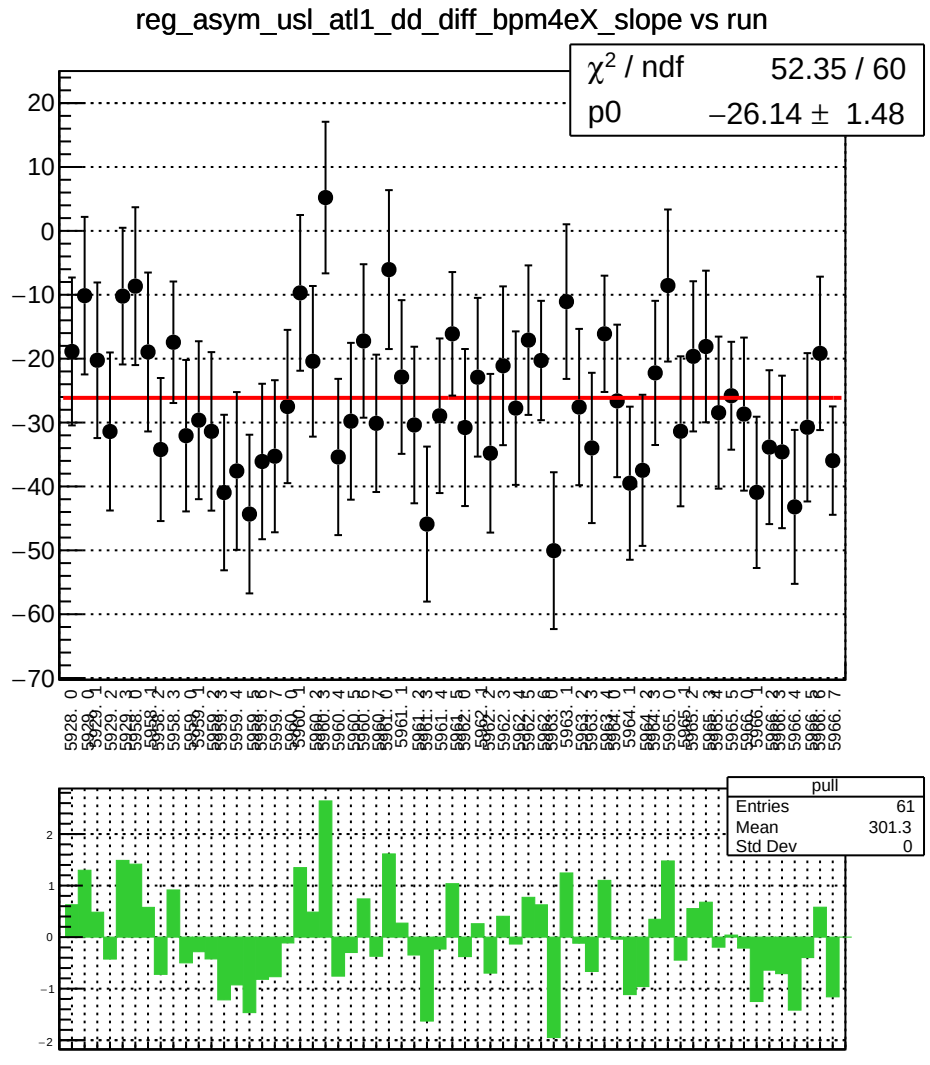

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 61.01 / 60
p0 −29.69 ± 0.153
pull
Entries 61
Mean −127.7
Std Dev 0
pull1D
Entries 61
Mean −0.02456
Std Dev 0.9998

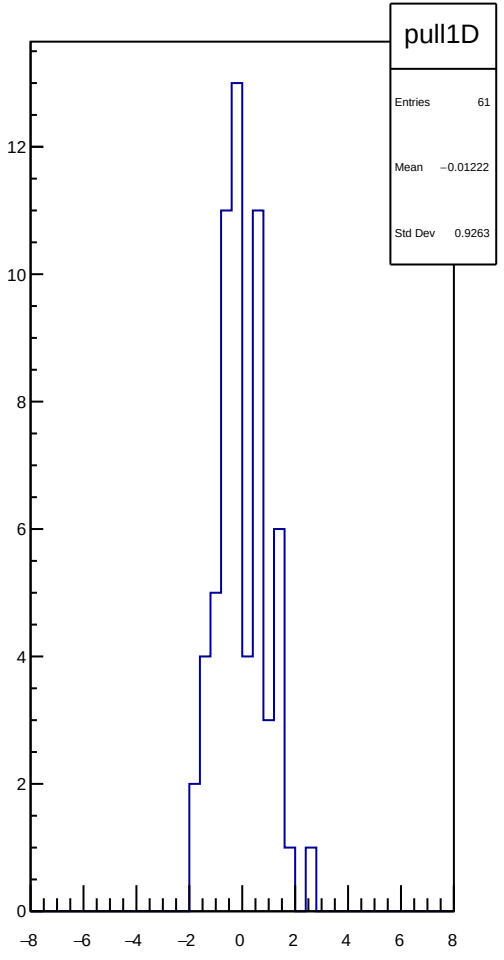

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 50.96 / 60
p0 −21.58 ± 1.429
pull
Entries 61
Mean 247.4
Std Dev 0

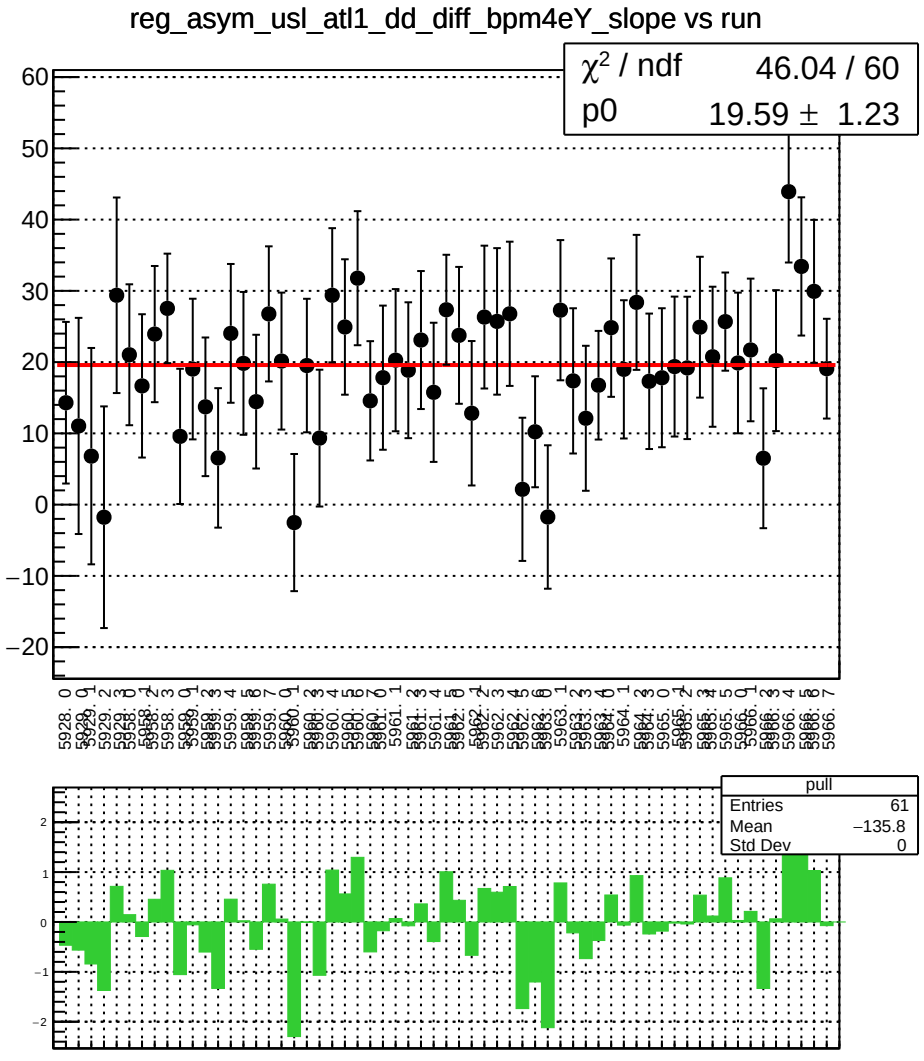

pull1D
Entries 61
Mean 0.001749
Std Dev 0.914

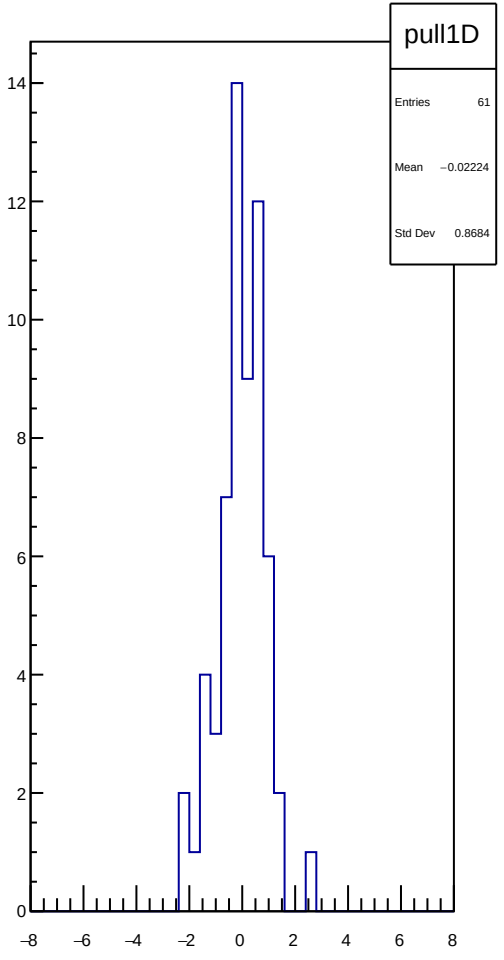

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.95 / 60
p0 −5.627 ± 0.9595
pull
Entries 61
Mean −106.5
Std Dev 0

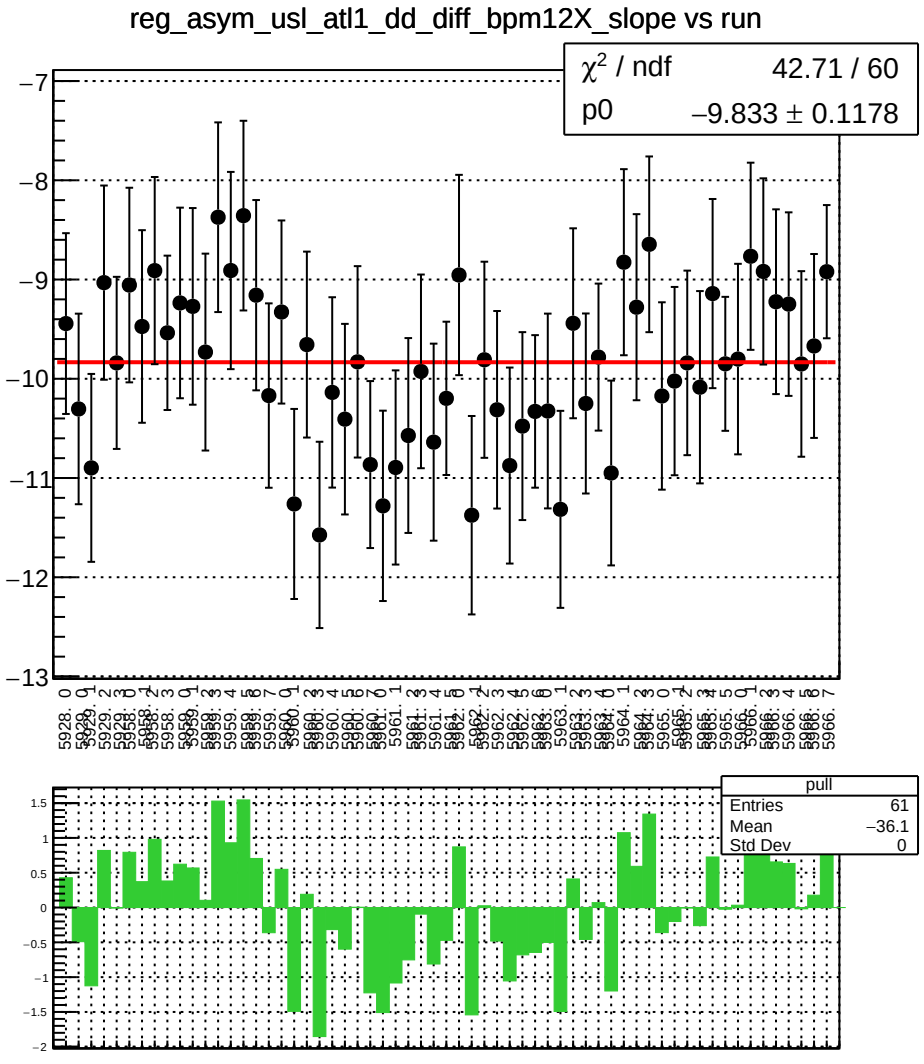

pull1D
Entries 61
Mean 0.02938
Std Dev 0.8675

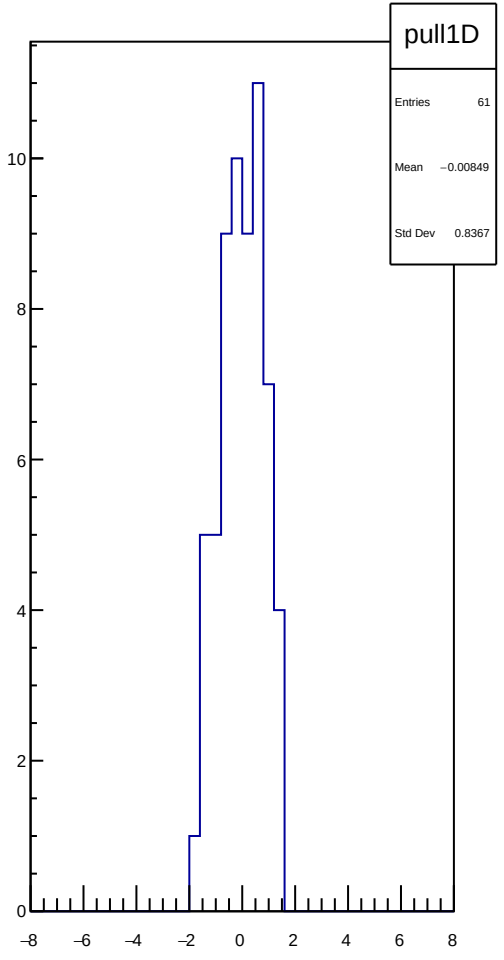

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.35 / 60
p0 −26.14 ± 1.48
pull
Entries 61
Mean 301.3
Std Dev 0

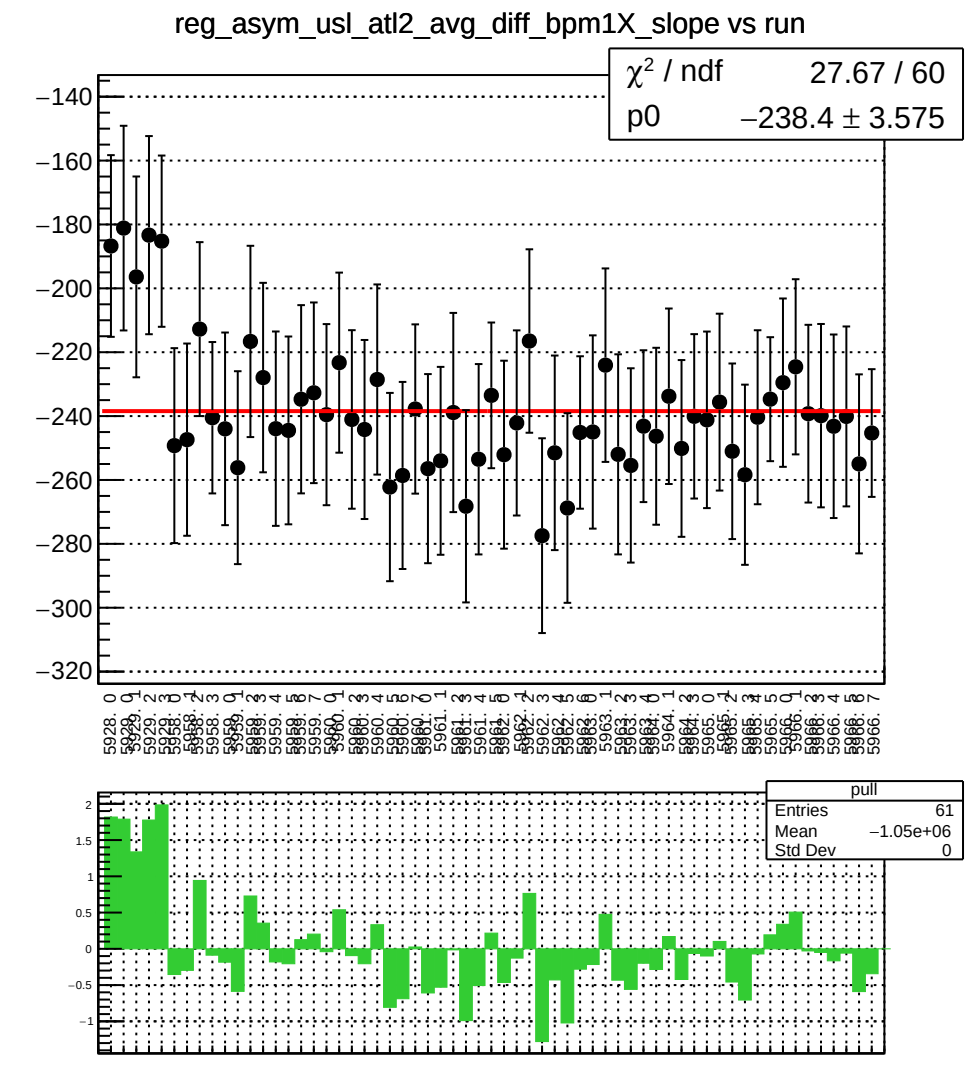

pull1D
Entries 61
Mean −0.01222
Std Dev 0.9263

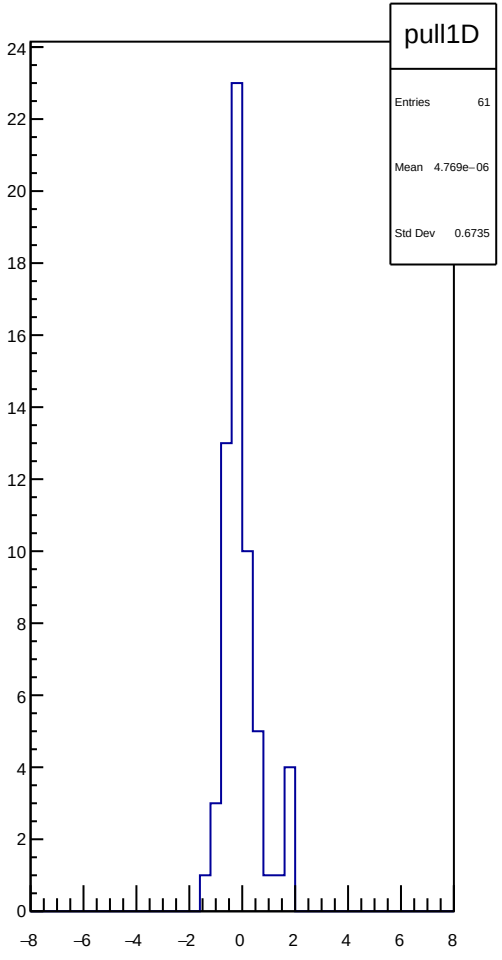

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.04 / 60
p0 19.59 ± 1.23
pull
Entries 61
Mean −135.8
Std Dev 0

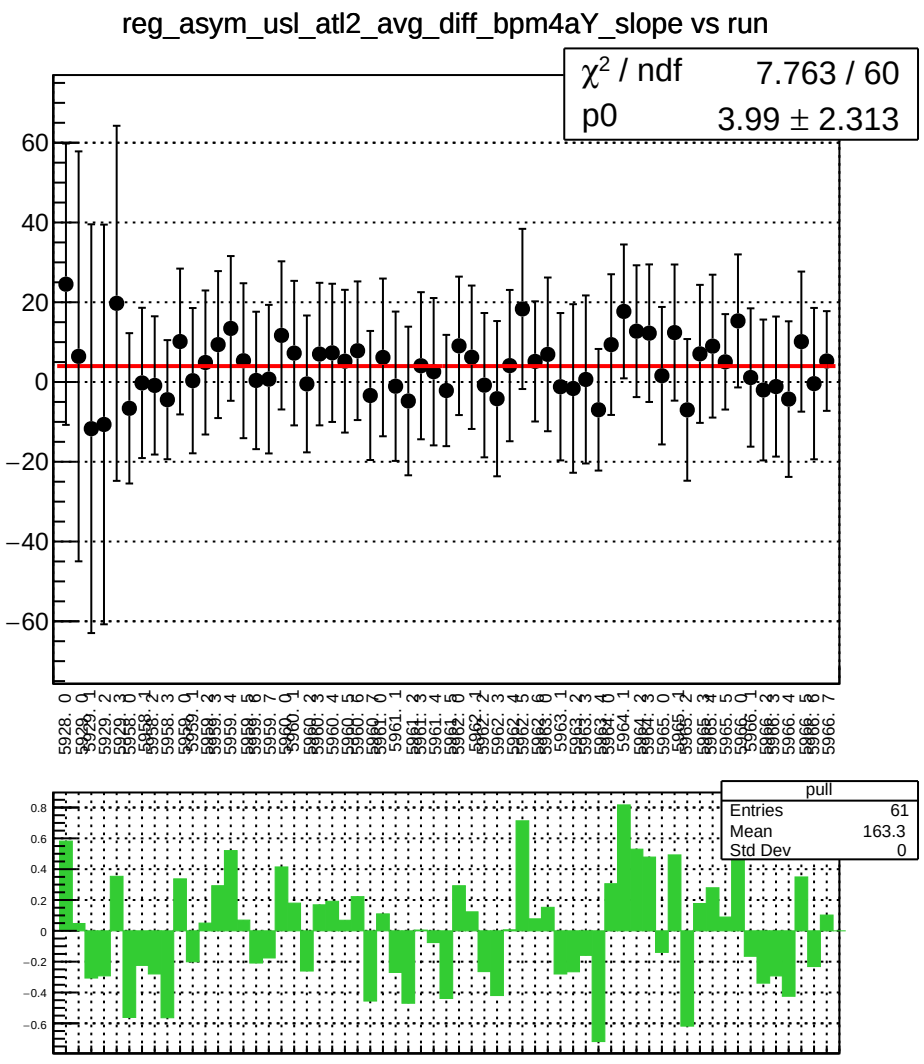

pull1D
Entries 61
Mean −0.02224
Std Dev 0.8684

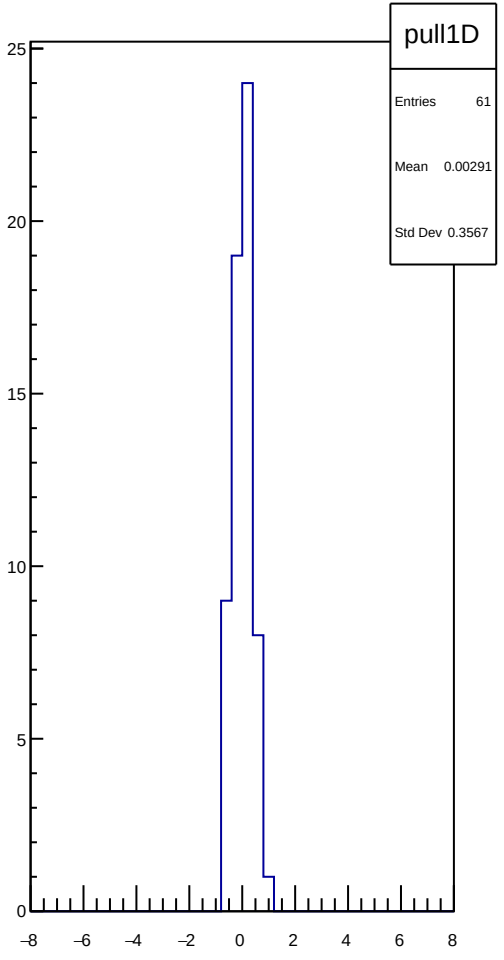

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 42.71 / 60
p0 −9.833 ± 0.1178
pull
Entries 61
Mean −36.1
Std Dev 0

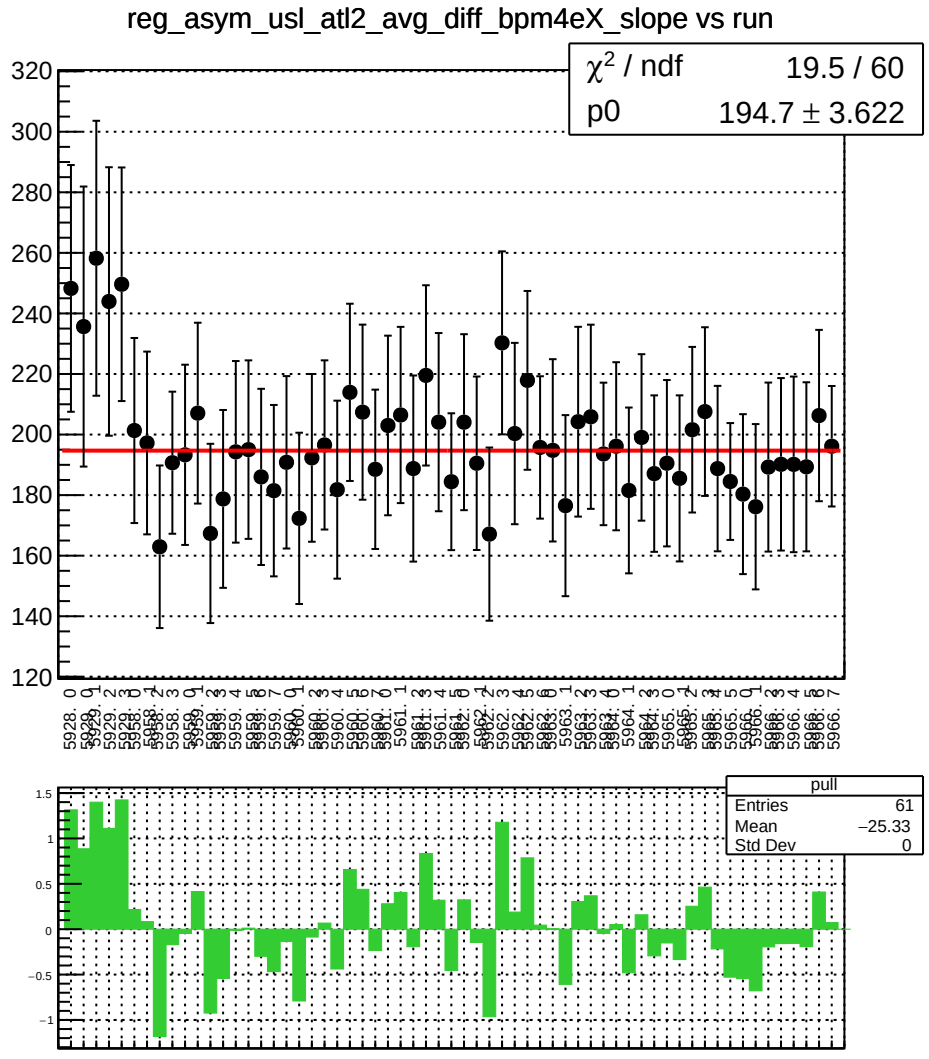

pull1D
Entries 61
Mean −0.00849
Std Dev 0.8367

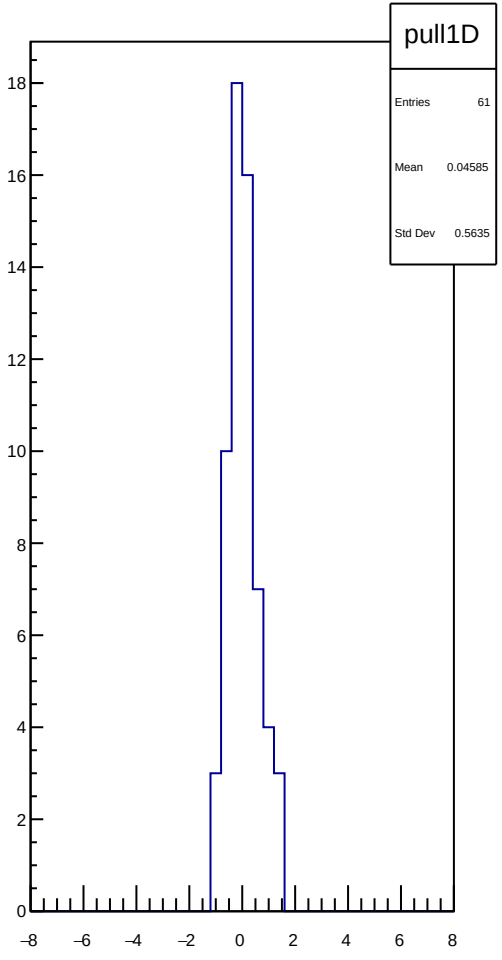

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.67 / 60
p0 −238.4 ± 3.575
pull
Entries 61
Mean −1.05e+06
Std Dev 0

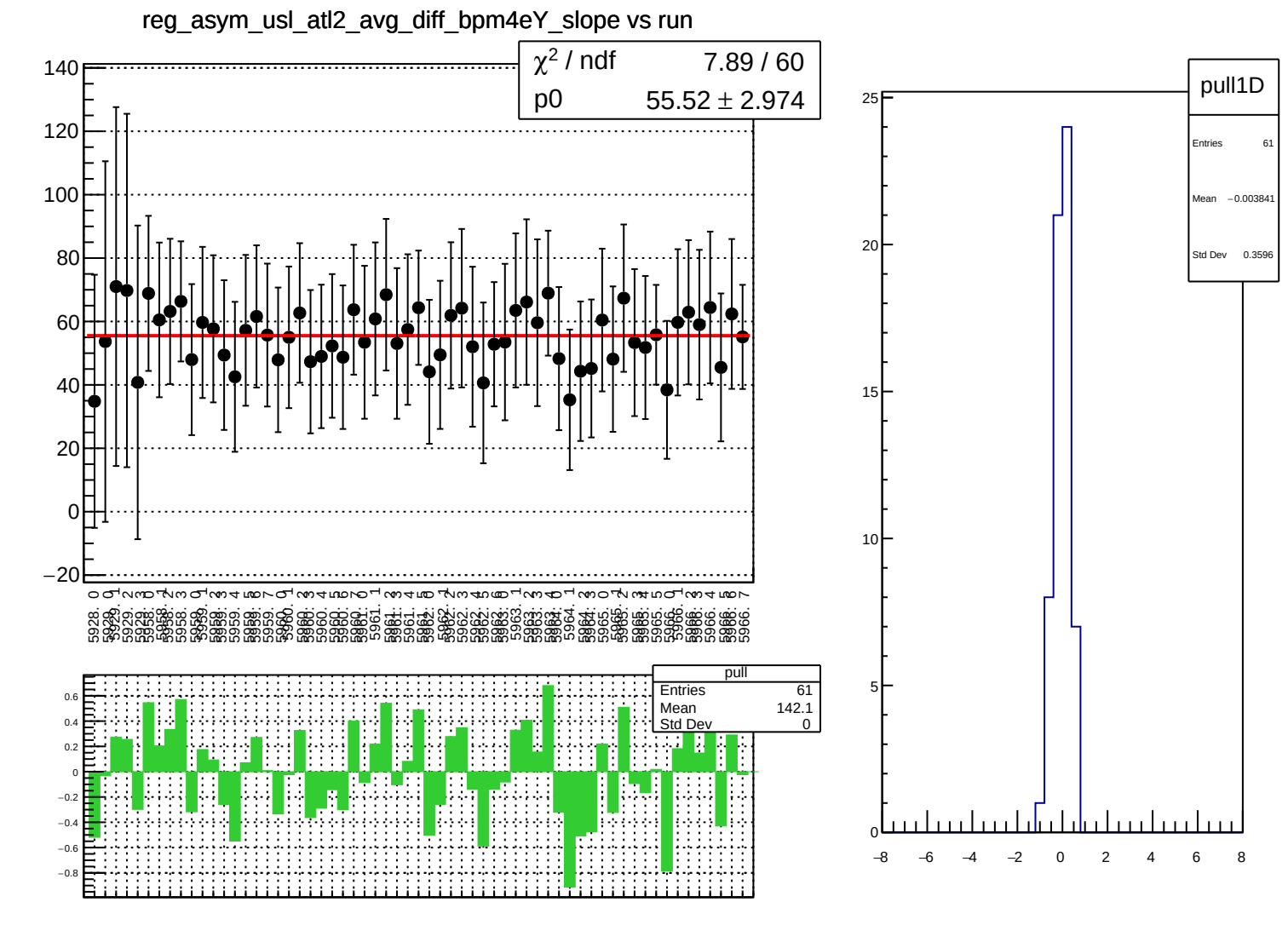

pull1D
Entries 61
Mean 4.769e−06
Std Dev 0.6735

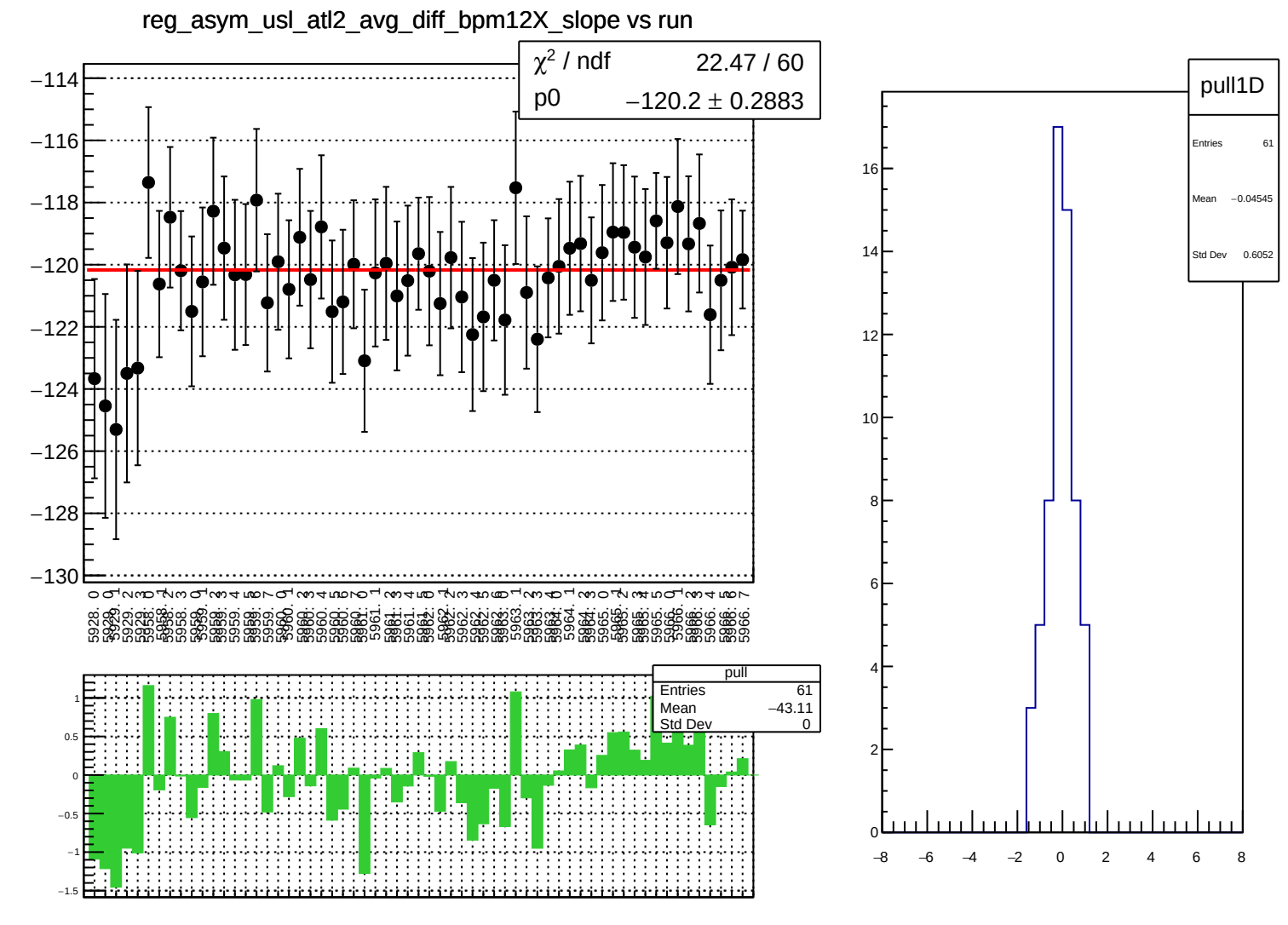

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.763 / 60
p0 3.99 ± 2.313
pull
Entries 61
Mean 163.3
Std Dev 0

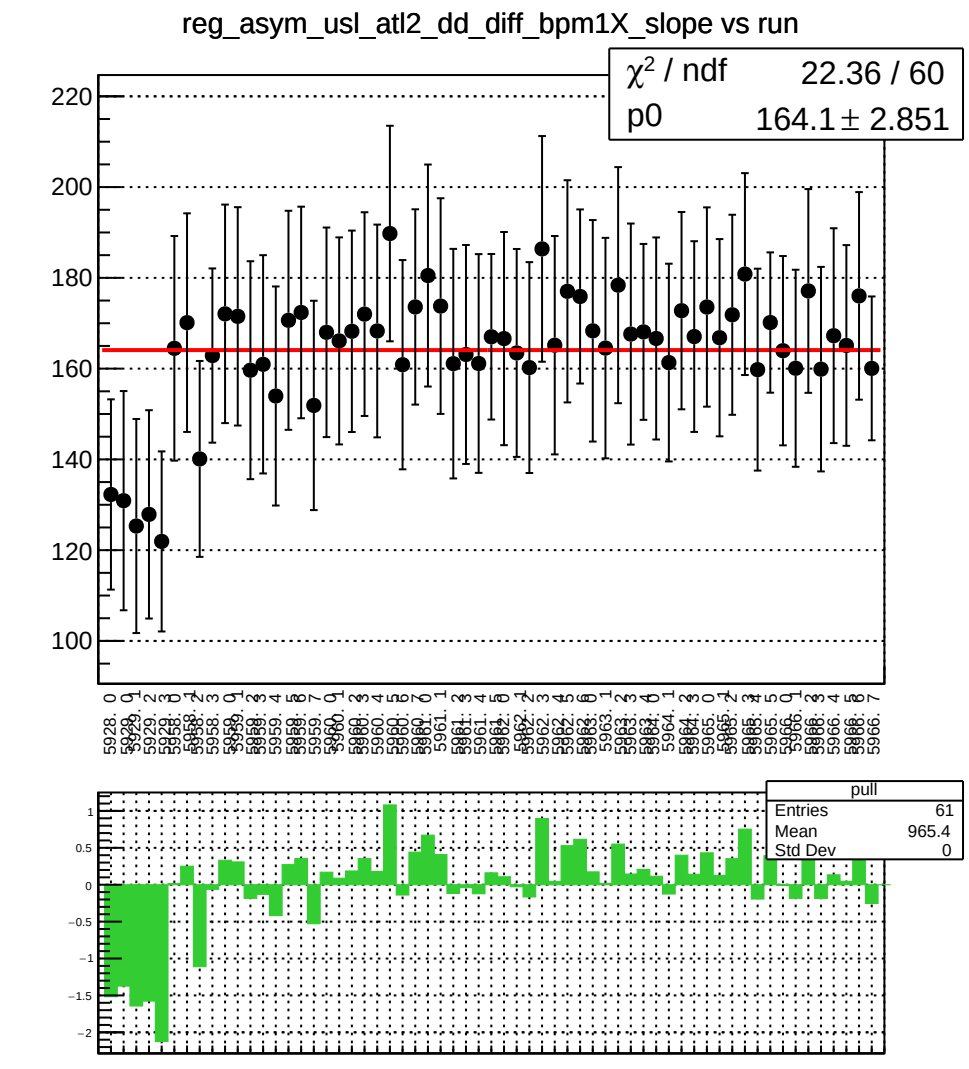

pull1D
Entries 61
Mean 0.00291
Std Dev 0.3567

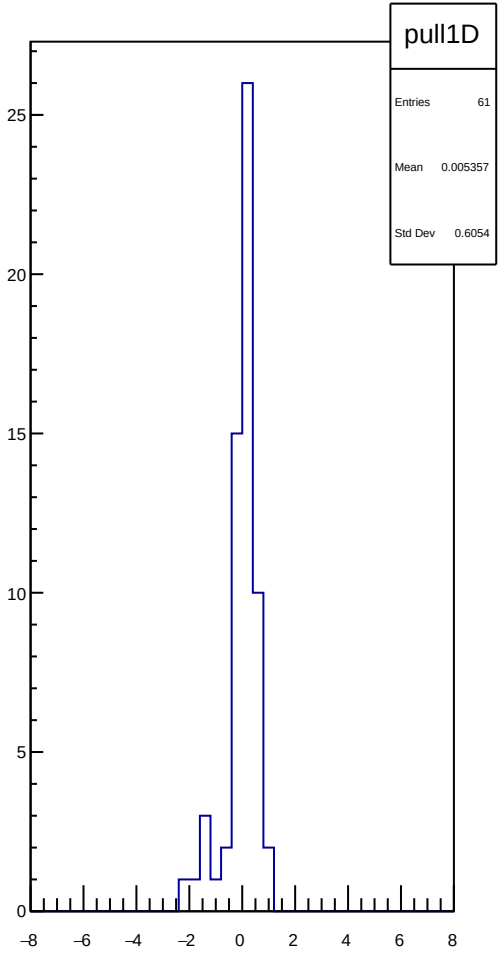

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.5 / 60
p0 194.7 ± 3.622
pull
Entries 61
Mean −25.33
Std Dev 0

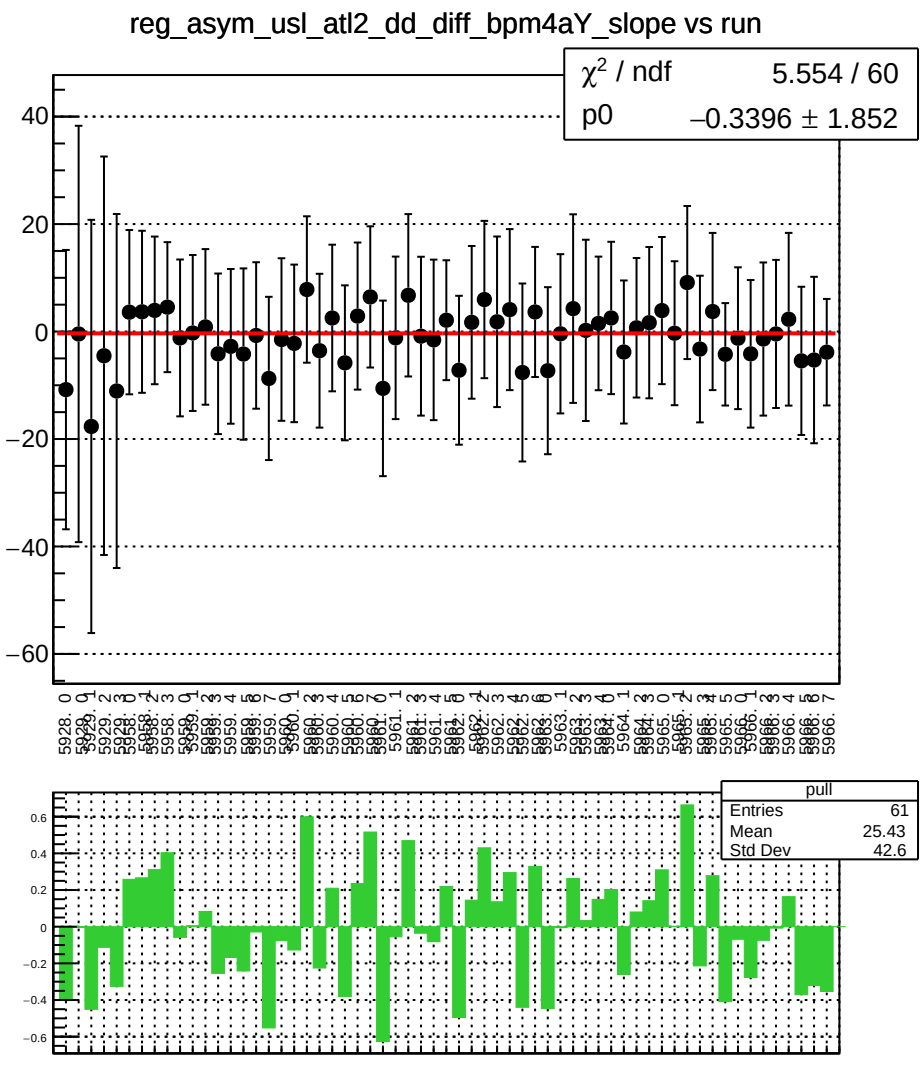

pull1D
Entries 61
Mean 0.04585
Std Dev 0.5635

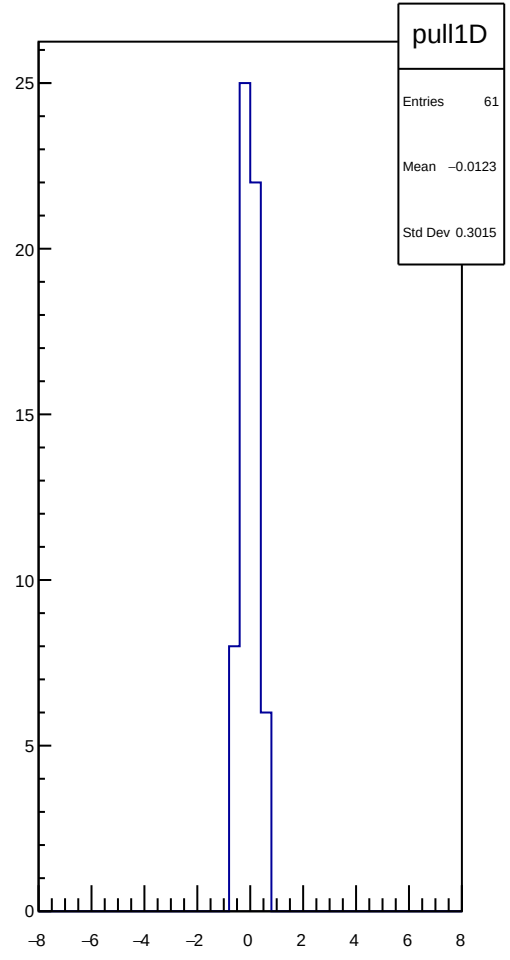

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.89 / 60
p0 55.52 ± 2.974
pull
Entries 61
Mean 142.1
Std Dev 0
pull1D
Entries 61
Mean −0.003841
Std Dev 0.3596

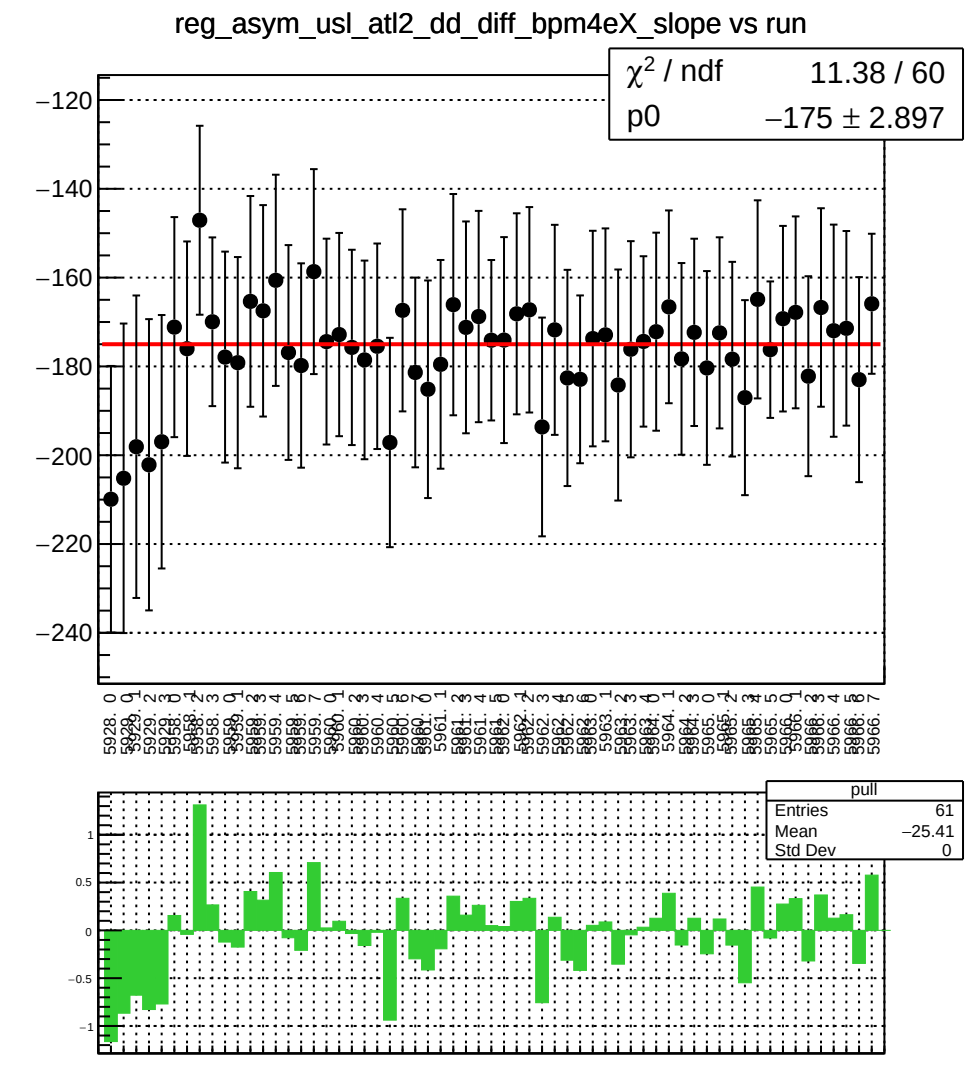

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.47 / 60
p0 −120.2 ± 0.2883
pull
Entries 61
Mean −43.11
Std Dev 0
pull1D
Entries 61
Mean −0.04545
Std Dev 0.6052

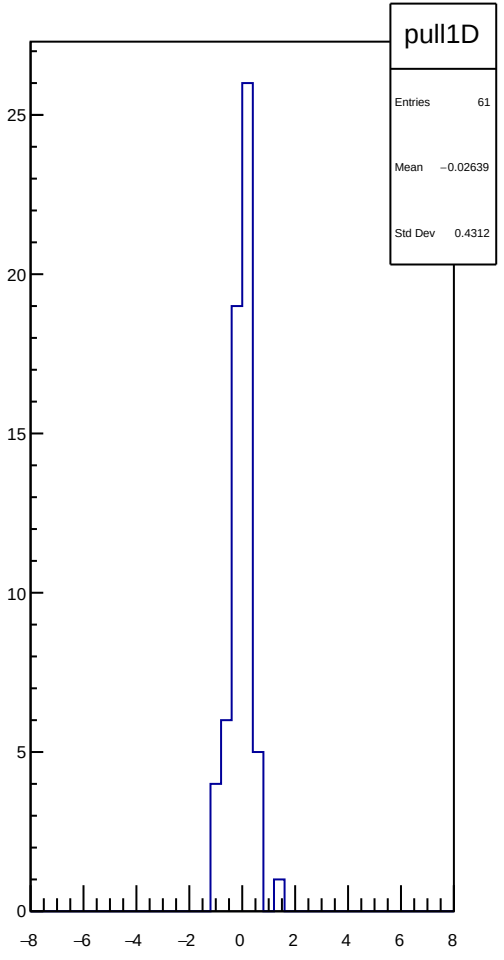

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 22.36 / 60
p0 164.1 ± 2.851
pull
Entries 61
Mean 965.4
Std Dev 0

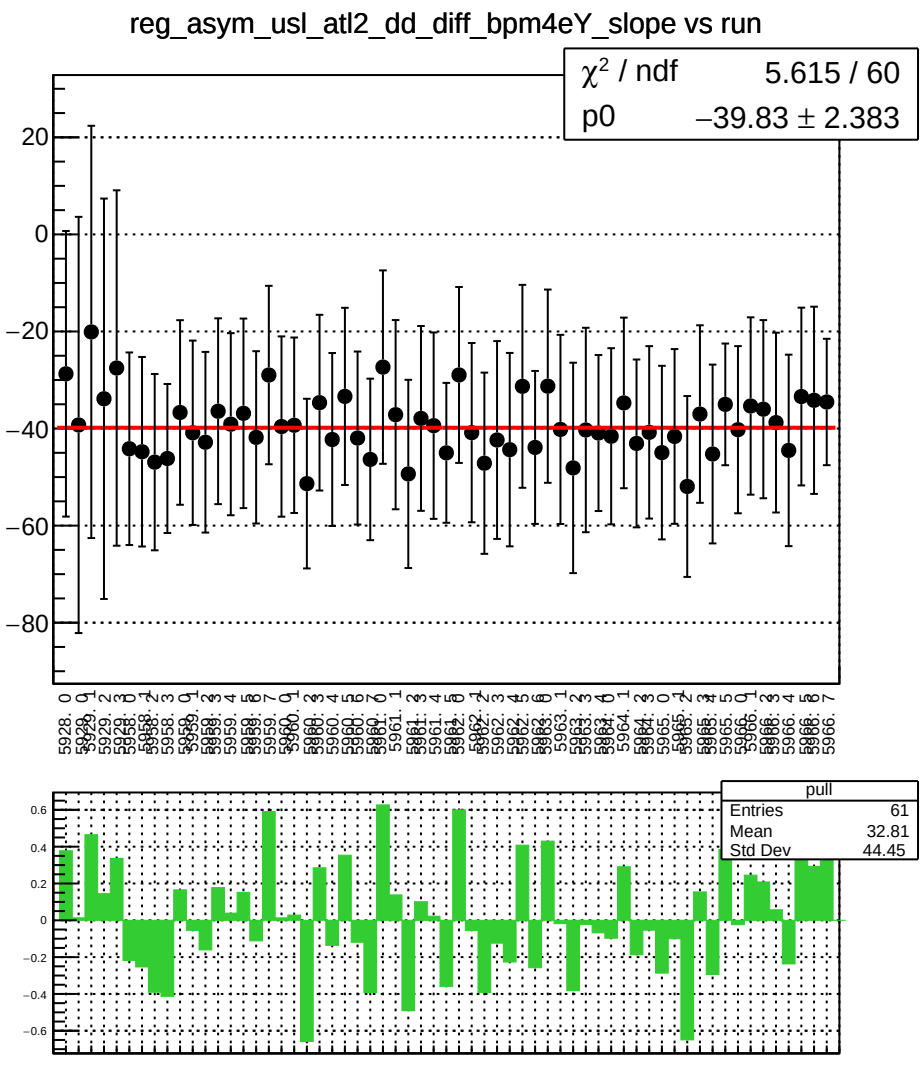

pull1D
Entries 61
Mean 0.005357
Std Dev 0.6054

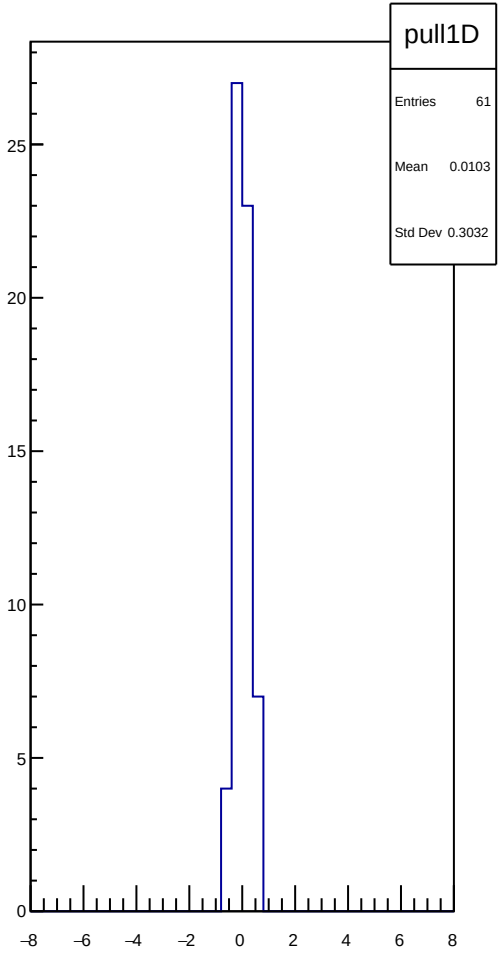

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.554 / 60
p0 −0.3396 ± 1.852
pull
Entries 61
Mean 25.43
Std Dev 42.6

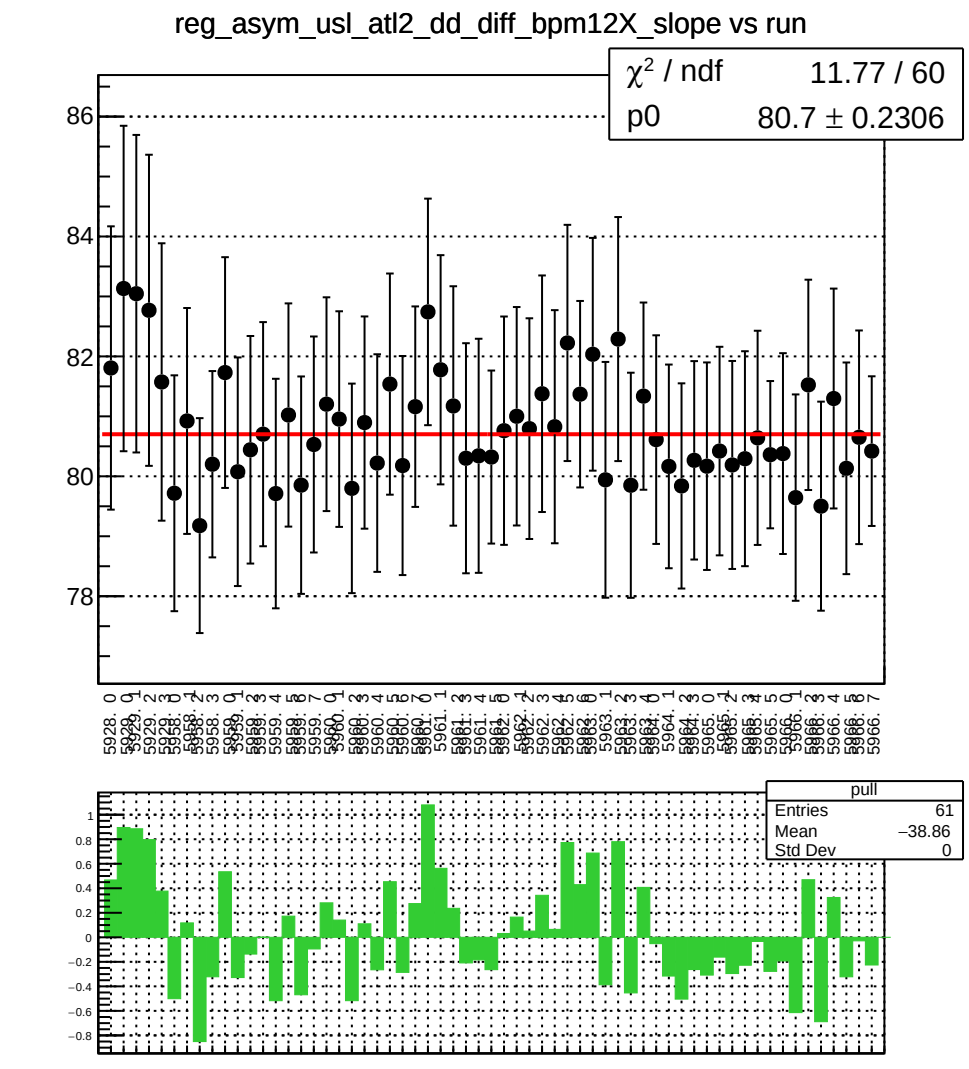

pull1D
Entries 61
Mean −0.0123
Std Dev 0.3015

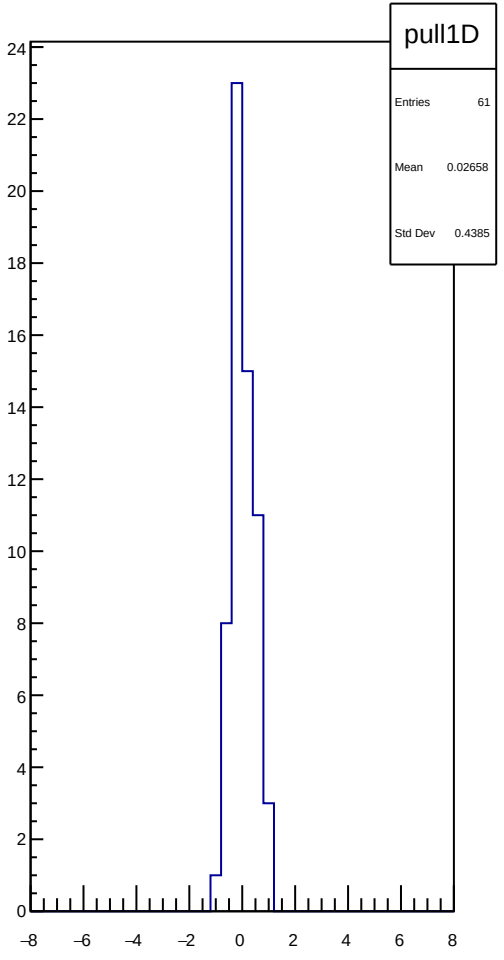

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.38 / 60
p0 −175 ± 2.897
pull
Entries 61
Mean −25.41
Std Dev 0

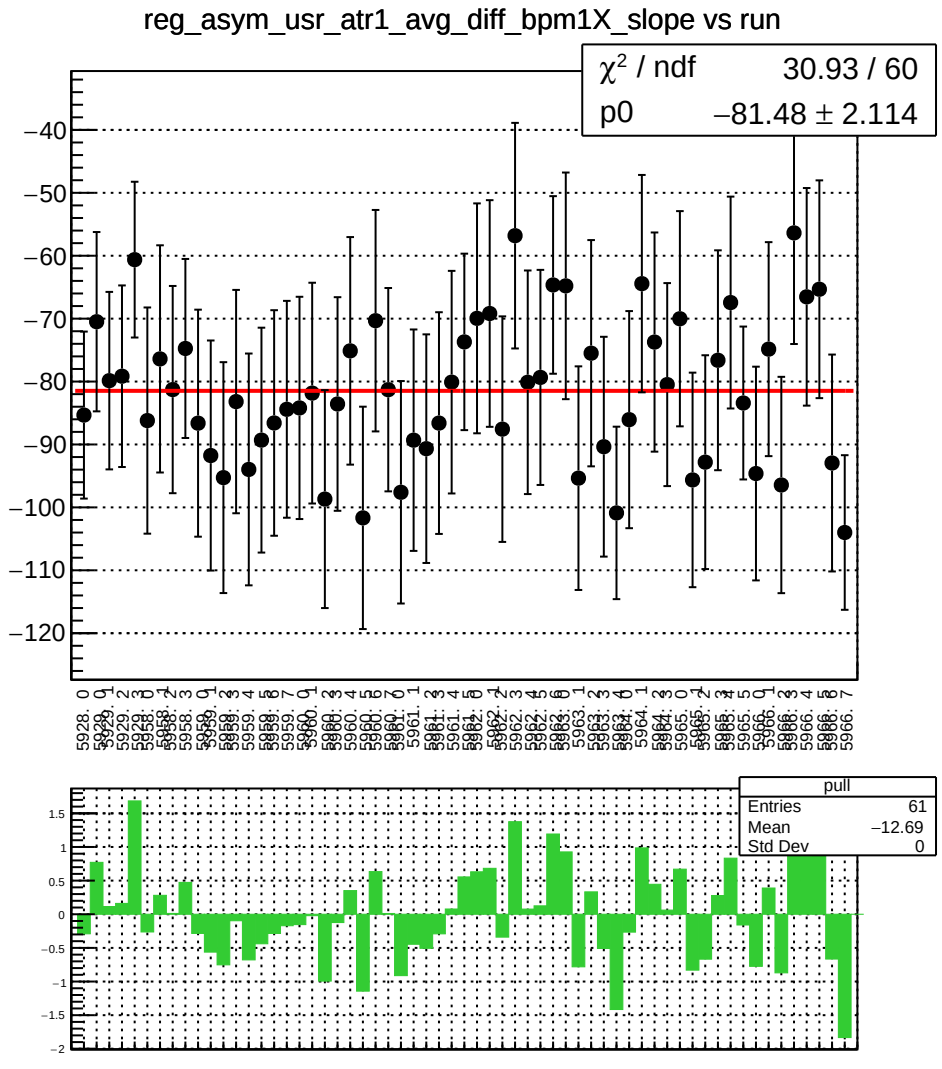

pull1D
Entries 61
Mean −0.02639
Std Dev 0.4312

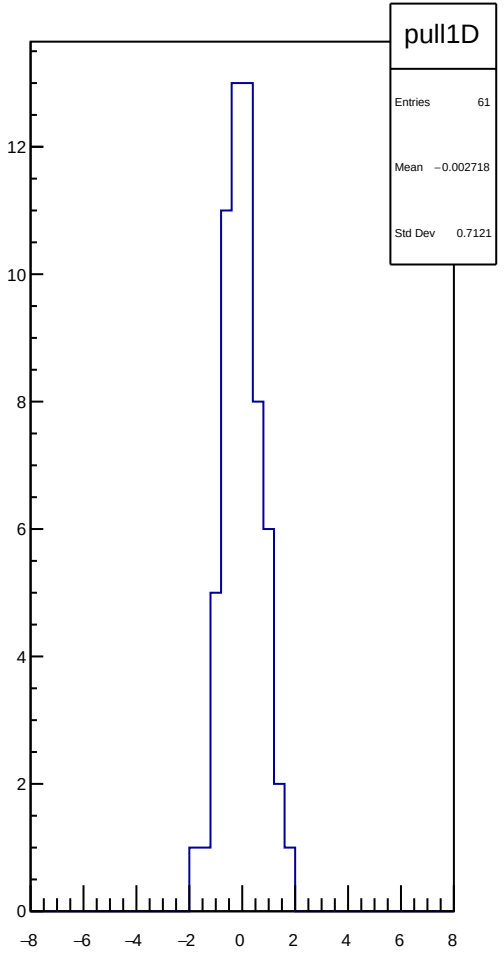

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.615 / 60
p0 −39.83 ± 2.383
pull
Entries 61
Mean 32.81
Std Dev 44.45

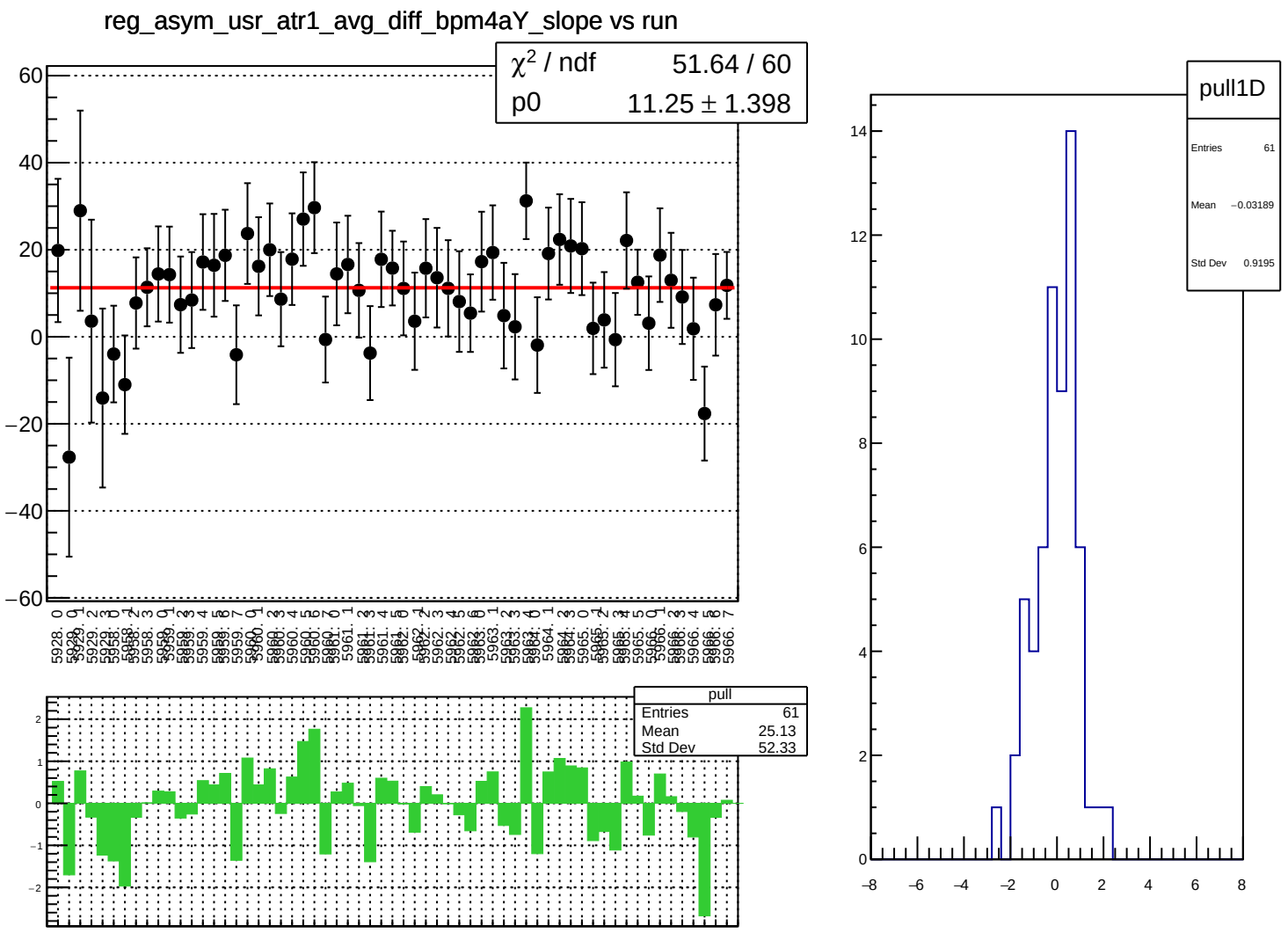

pull1D
Entries 61
Mean 0.0103
Std Dev 0.3032

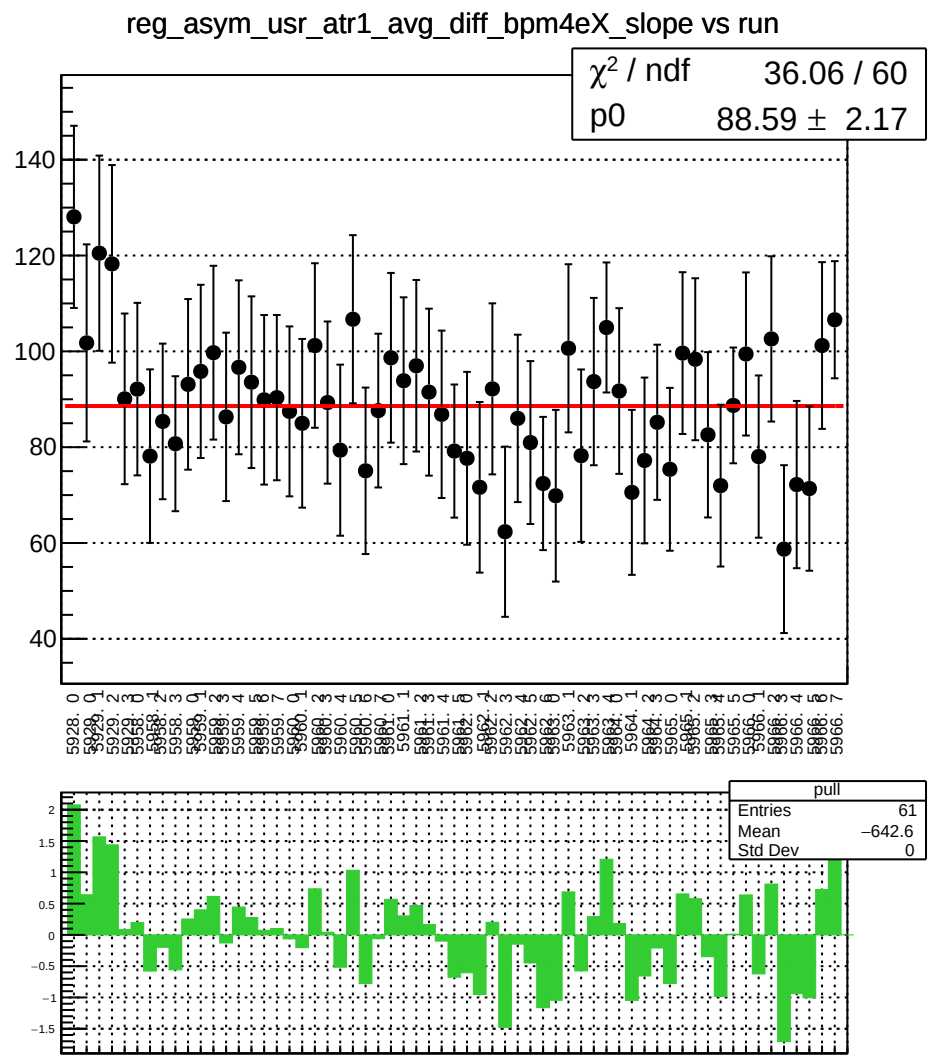

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.77 / 60
p0 80.7 ± 0.2306
pull
Entries 61
Mean −38.86
Std Dev 0

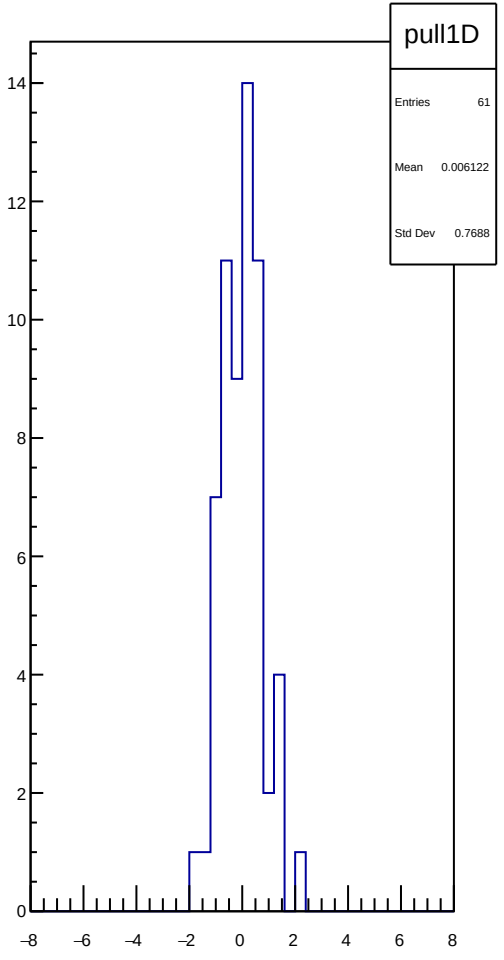

pull1D
Entries 61
Mean 0.02658
Std Dev 0.4385

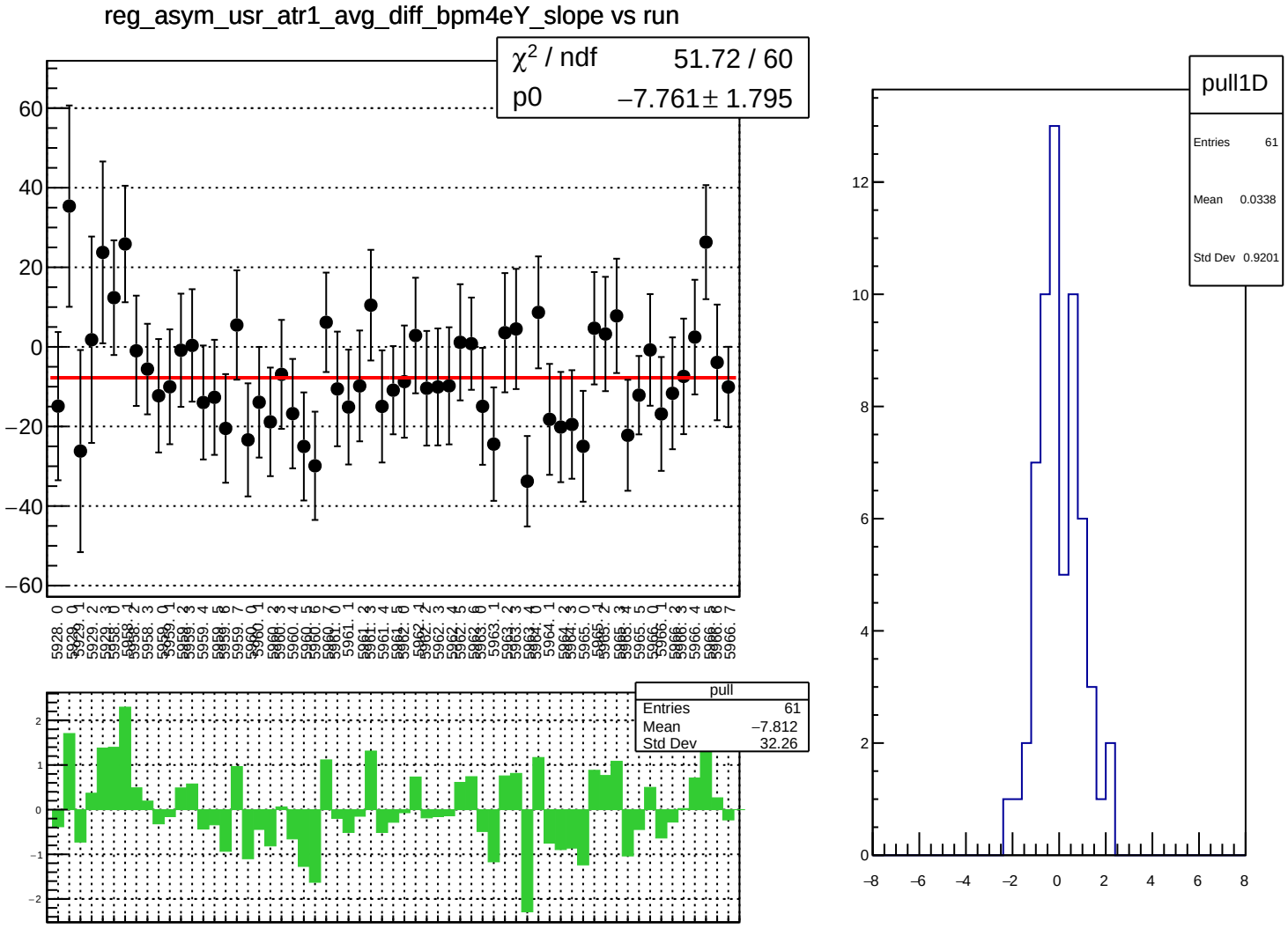

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 30.93 / 60
p0 −81.48 ± 2.114
pull
Entries 61
Mean −12.69
Std Dev 0

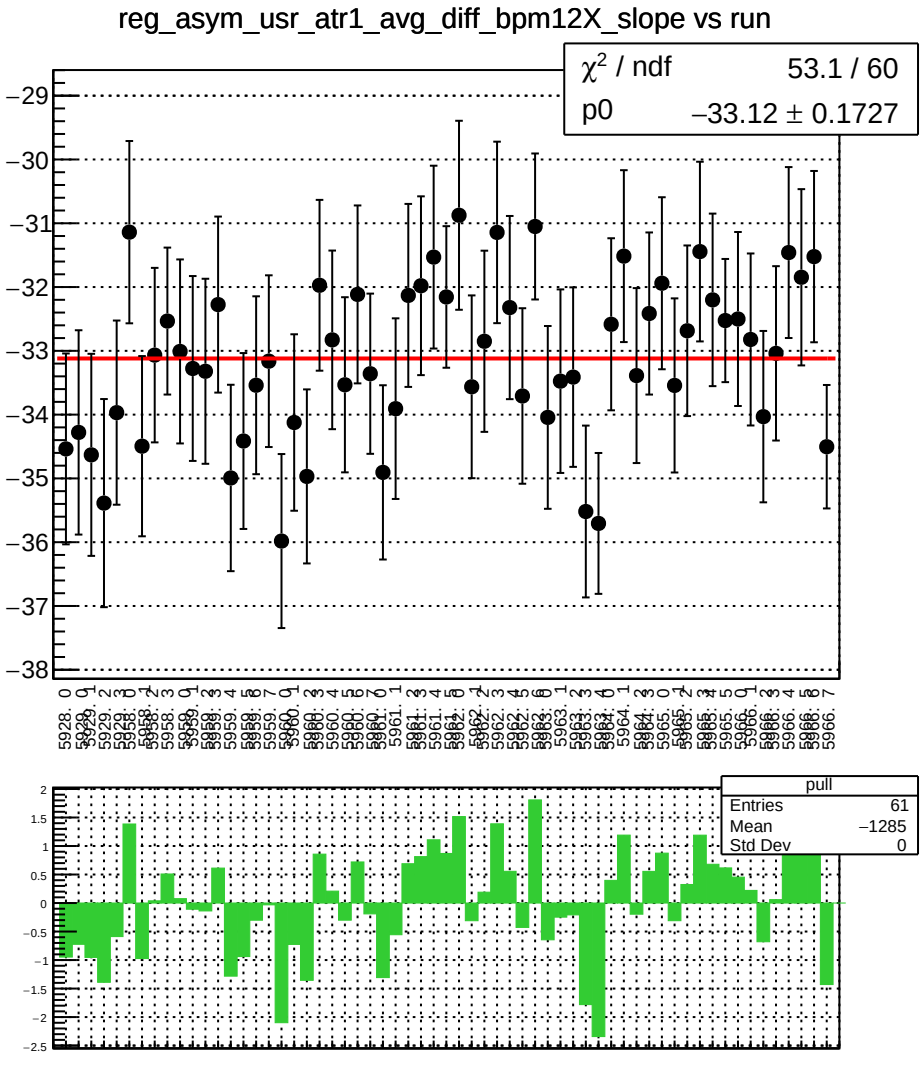

pull1D
Entries 61
Mean −0.002718
Std Dev 0.7121

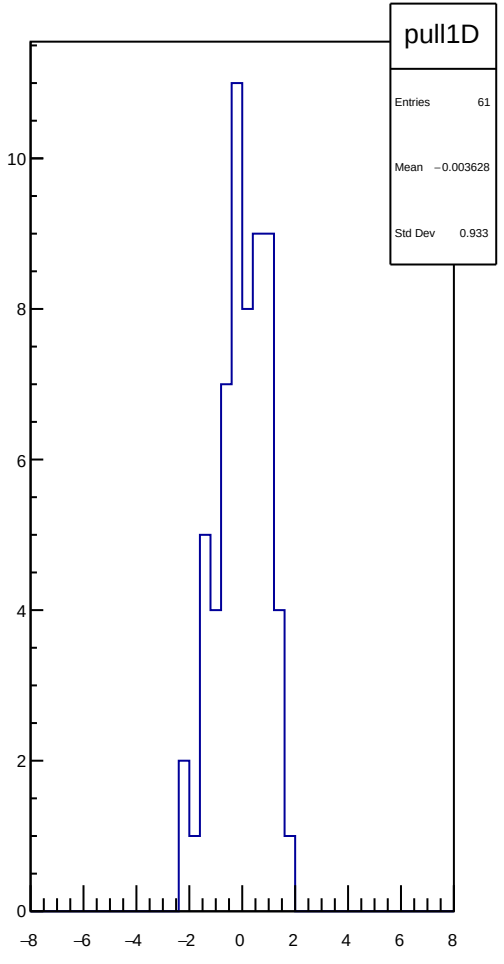

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.64 / 60
p0 11.25 ± 1.398
pull
Entries 61
Mean 25.13
Std Dev 52.33
pull1D
Entries 61
Mean −0.03189
Std Dev 0.9195

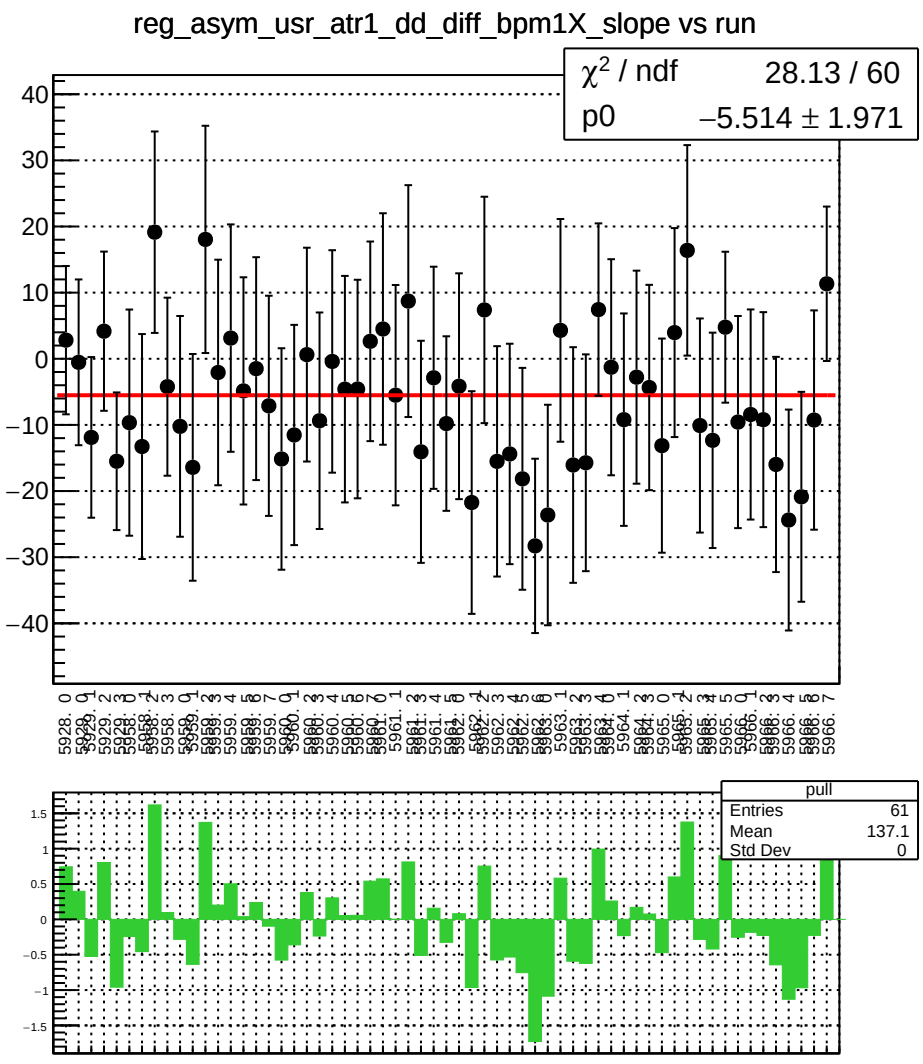

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.06 / 60
p0 88.59 ± 2.17
pull
Entries 61
Mean −642.6
Std Dev 0

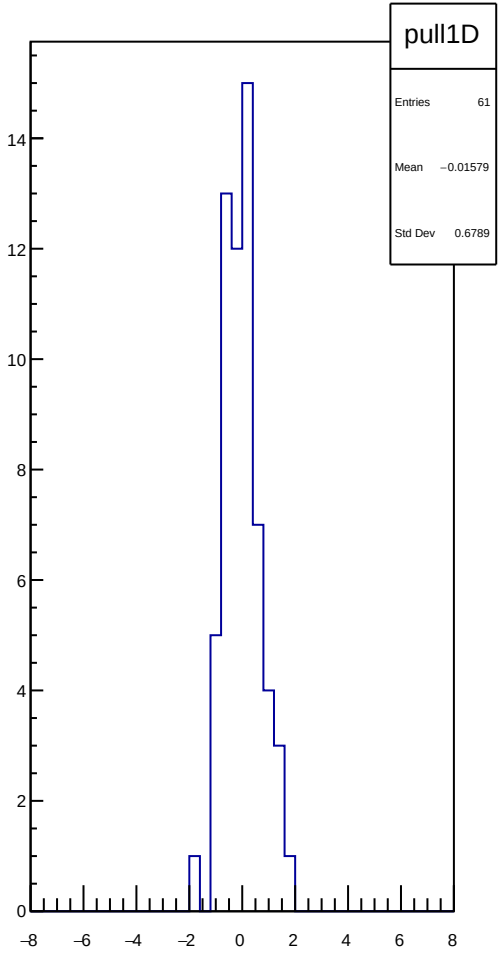

pull1D
Entries 61
Mean 0.006122
Std Dev 0.7688

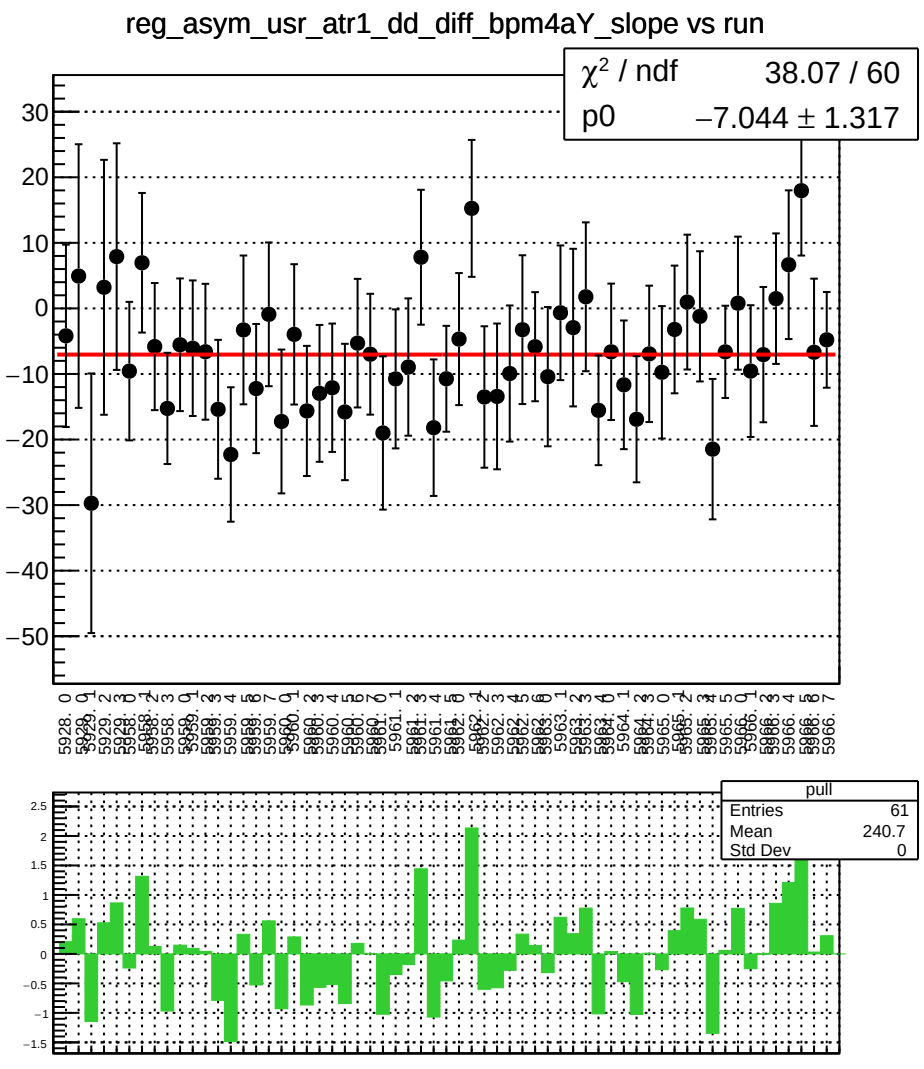

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.72 / 60
p0 −7.761 ± 1.795
pull
Entries 61
Mean −7.812
Std Dev 32.26
pull1D
Entries 61
Mean 0.0338
Std Dev 0.9201

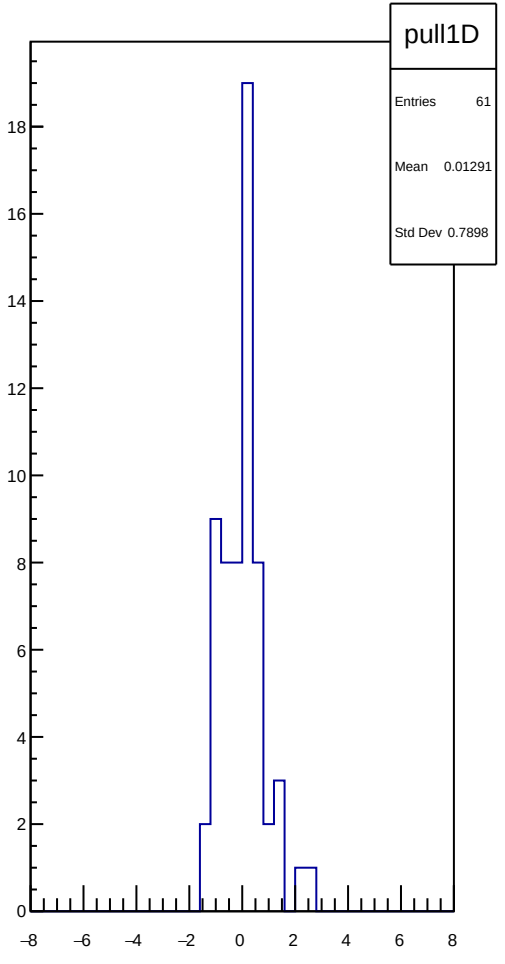

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 53.1 / 60
p0 −33.12 ± 0.1727
pull
Entries 61
Mean −1285
Std Dev 0

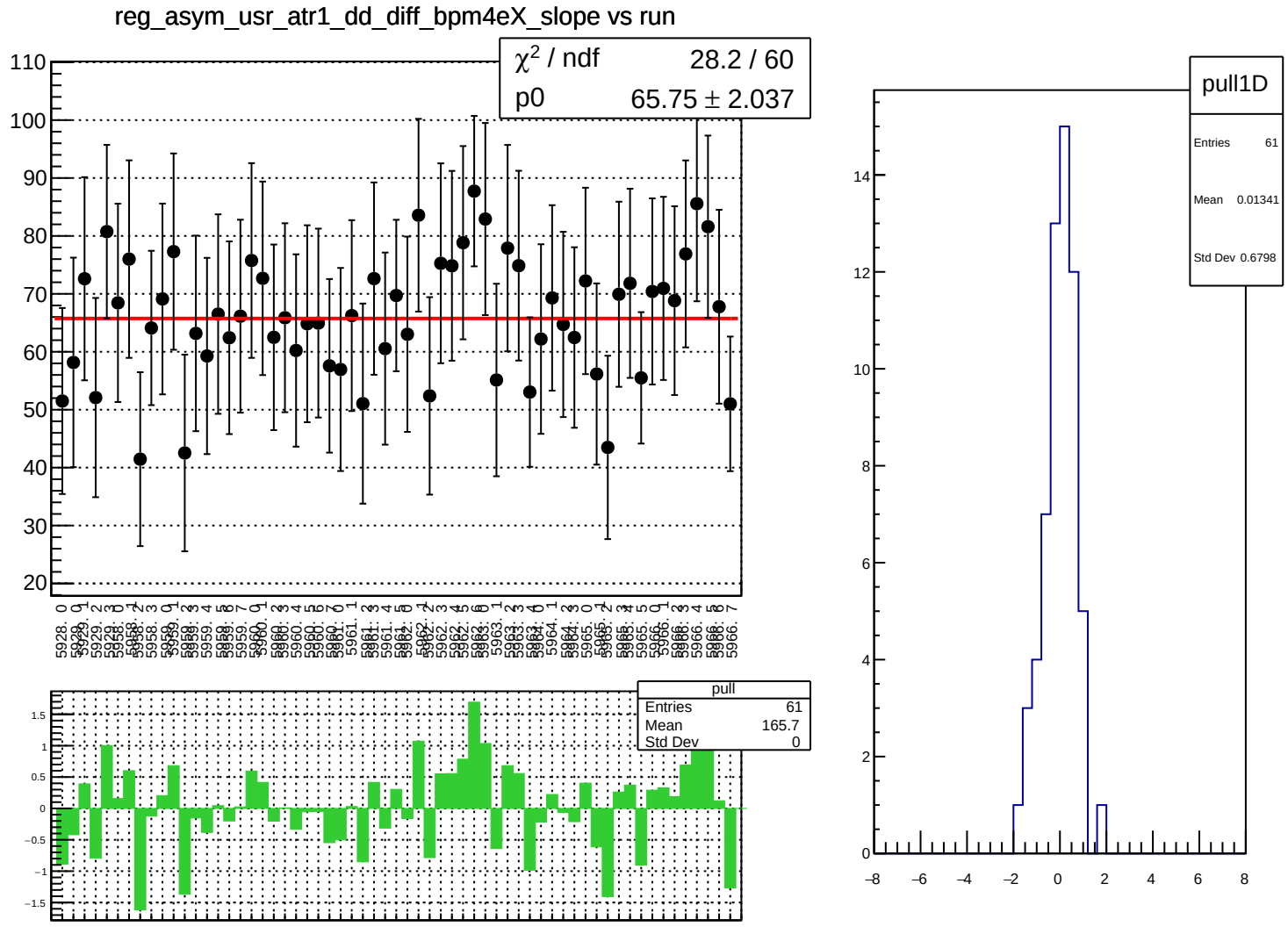

pull1D
Entries 61
Mean −0.003628
Std Dev 0.933

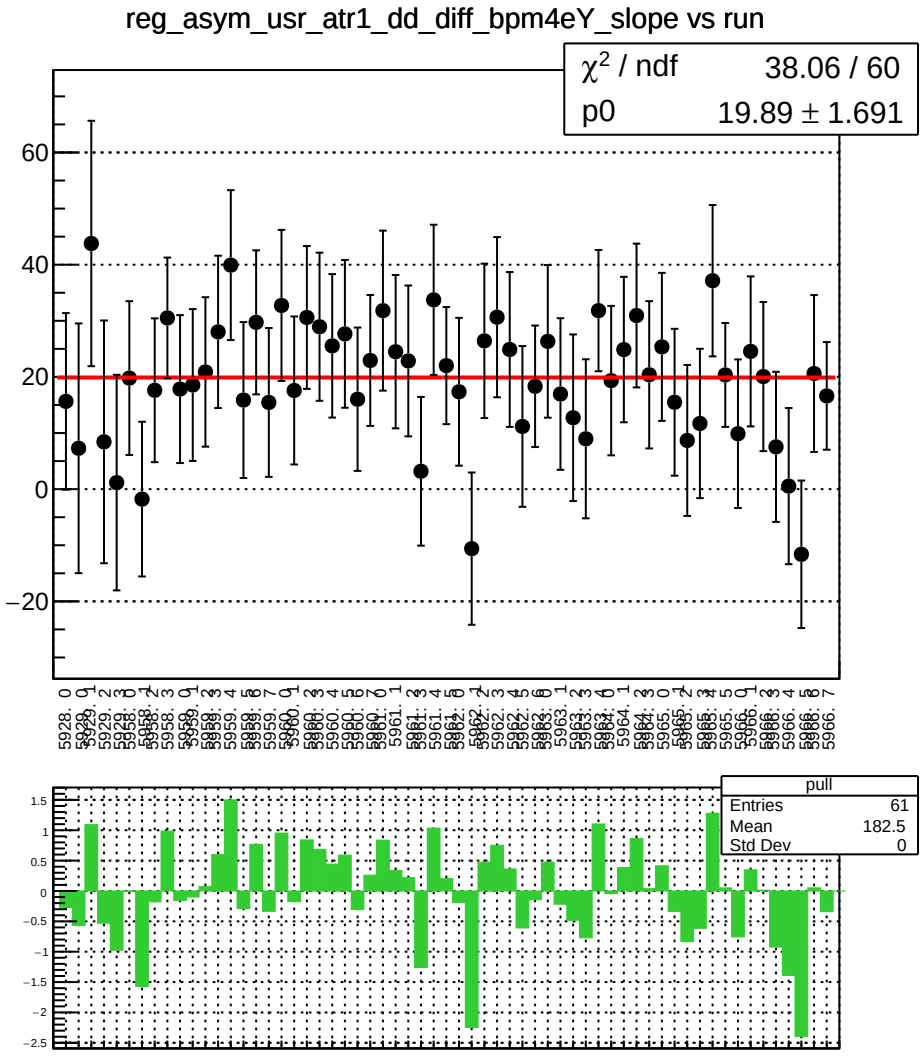

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 28.13 / 60
p0 −5.514 ± 1.971
pull
Entries 61
Mean 137.1
Std Dev 0

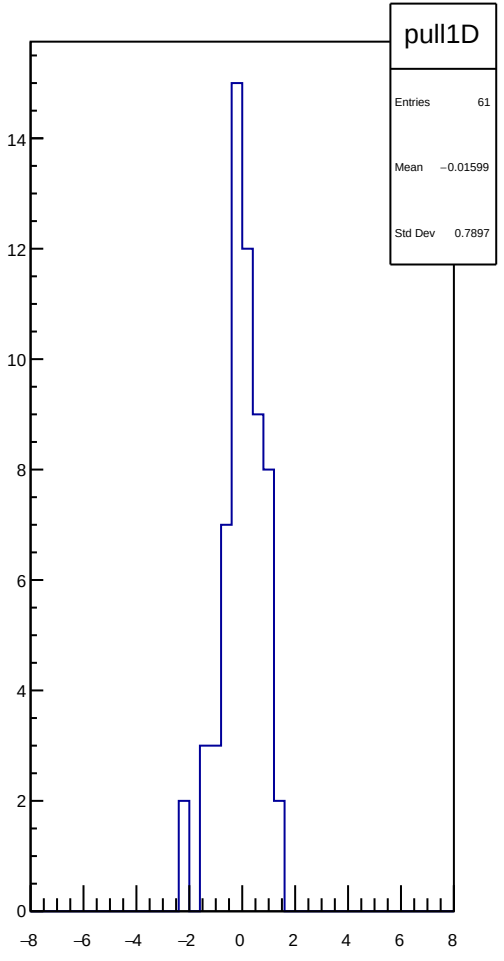

pull1D
Entries 61
Mean −0.01579
Std Dev 0.6789

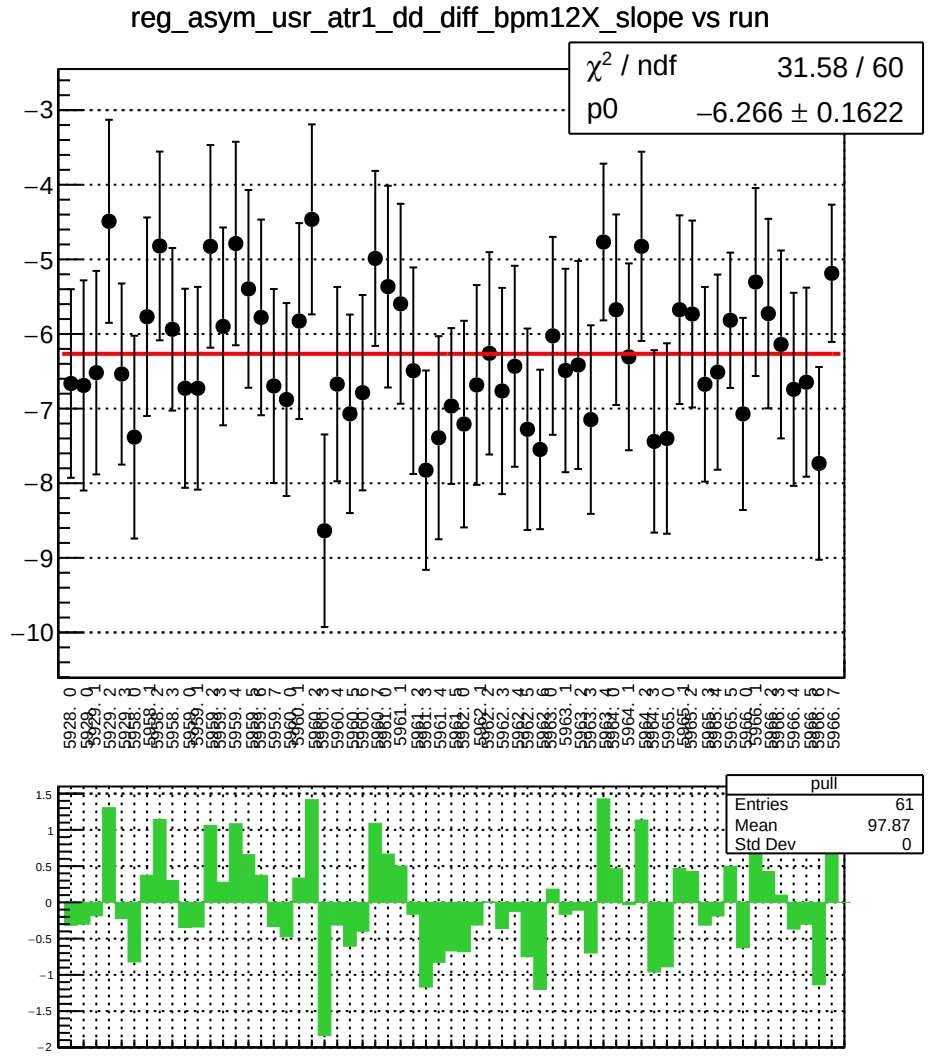

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.07 / 60
p0 −7.044 ± 1.317
pull
Entries 61
Mean 240.7
Std Dev 0

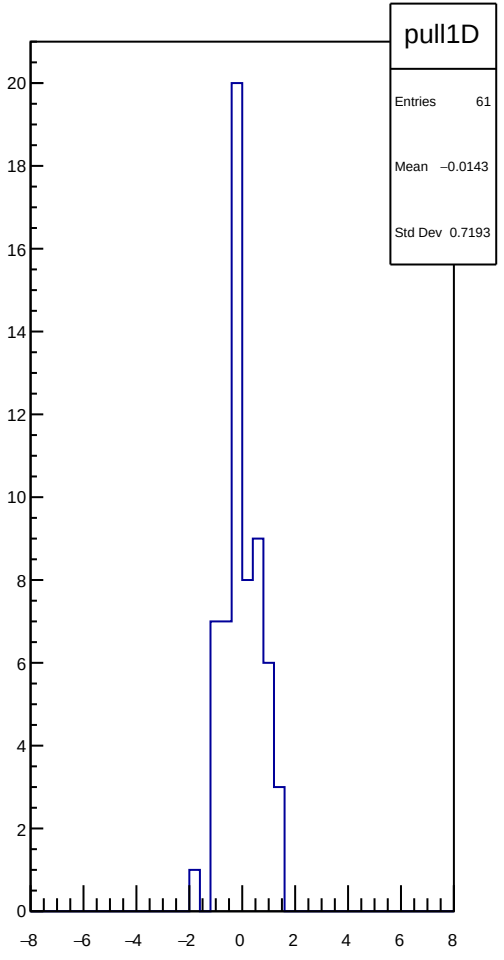

pull1D
Entries 61
Mean 0.01291
Std Dev 0.7898

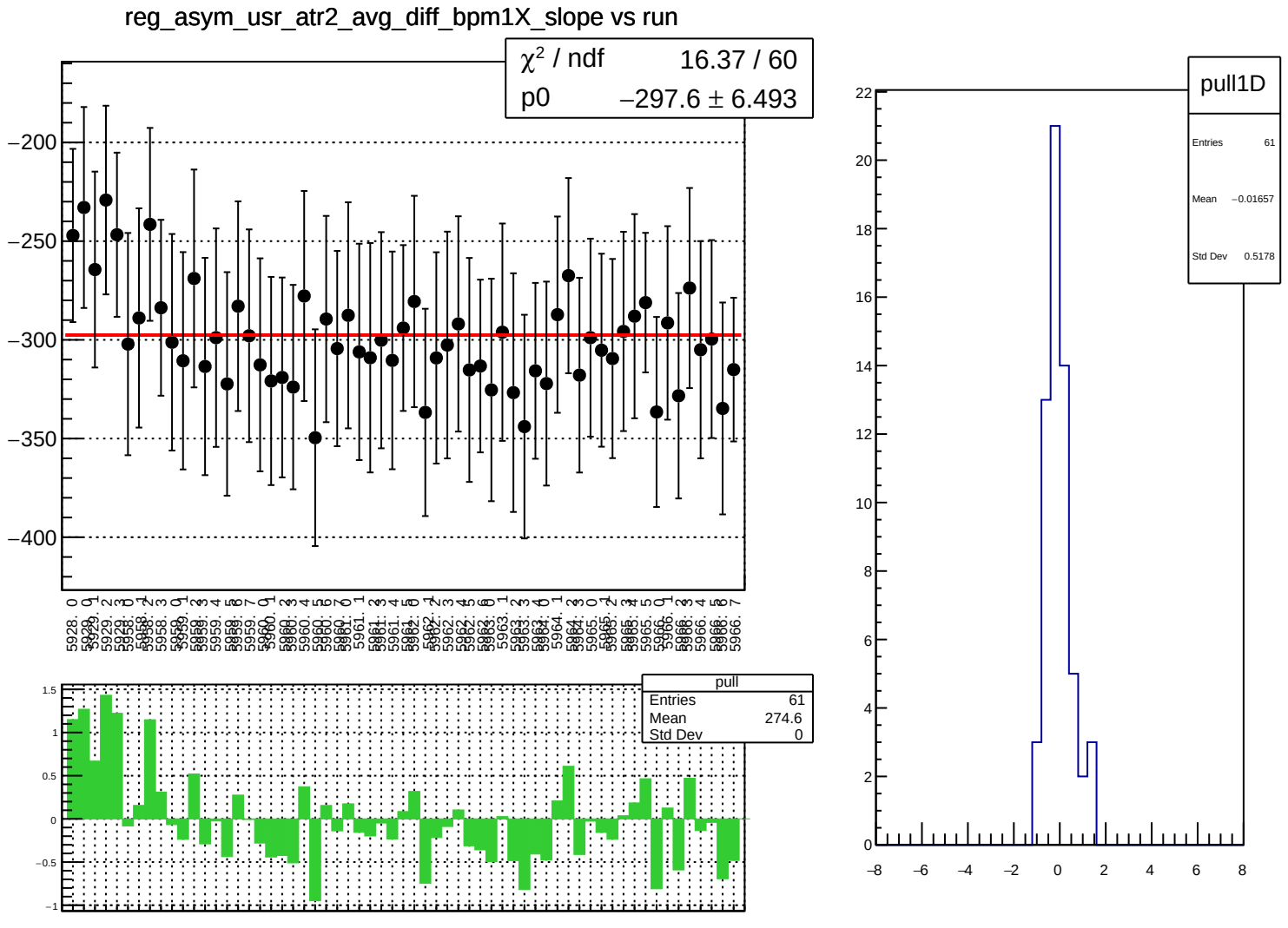

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.2 / 60
p0 65.75 ± 2.037
pull
Entries 61
Mean 165.7
Std Dev 0
pull1D
Entries 61
Mean 0.01341
Std Dev 0.6798

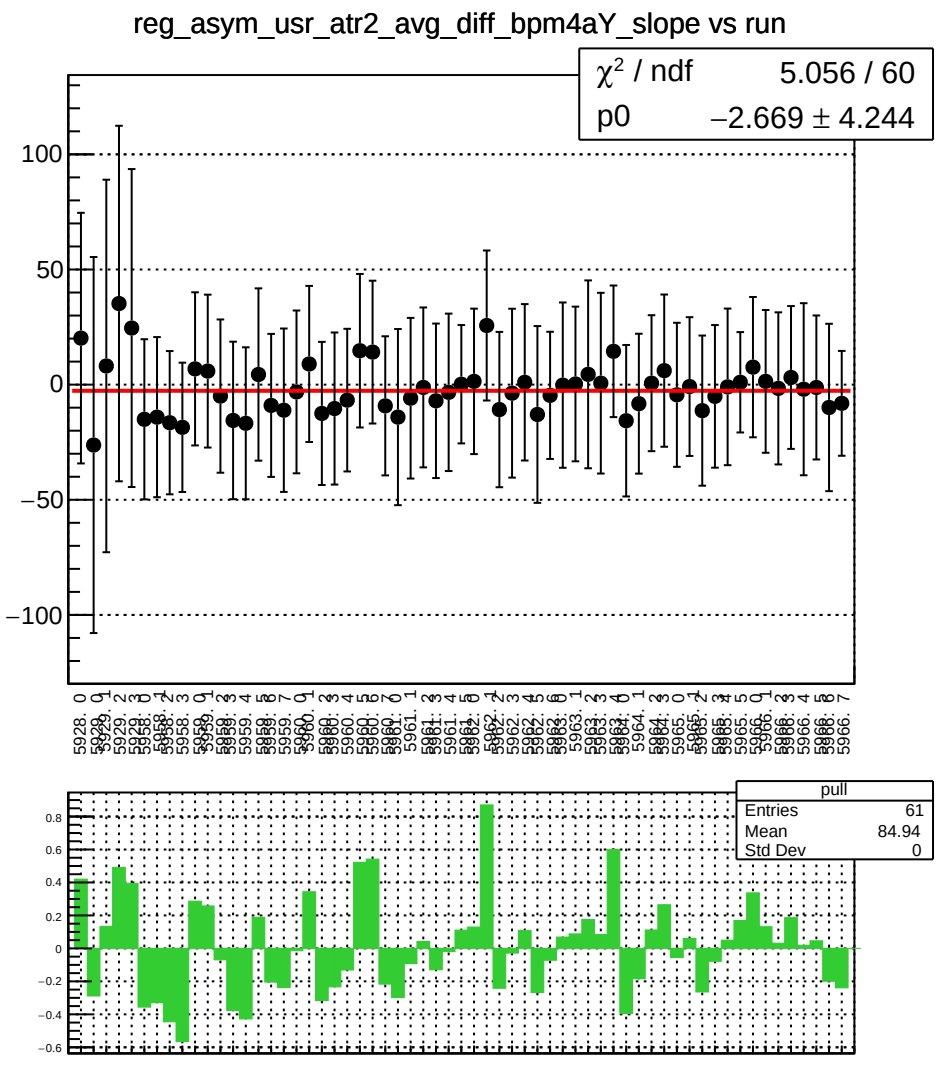

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.06 / 60
p0 19.89 ± 1.691
pull
Entries 61
Mean 182.5
Std Dev 0

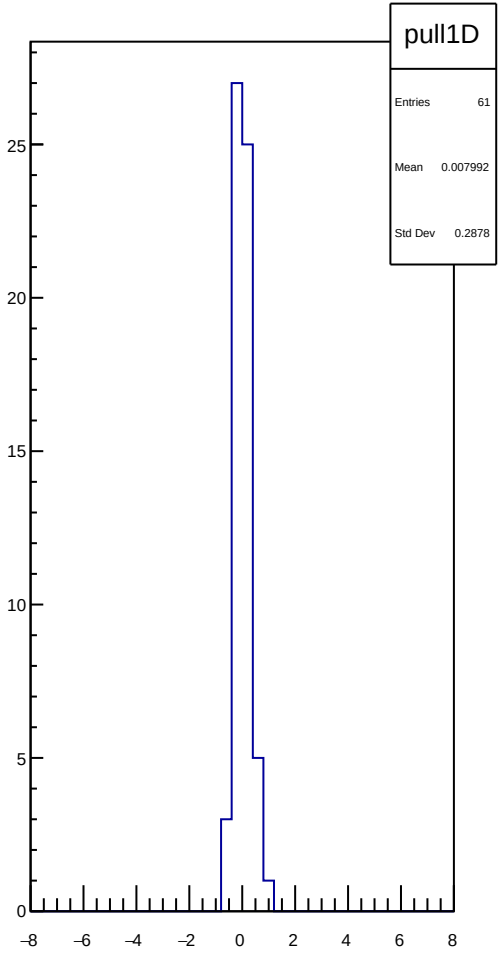

pull1D
Entries 61
Mean −0.01599
Std Dev 0.7897

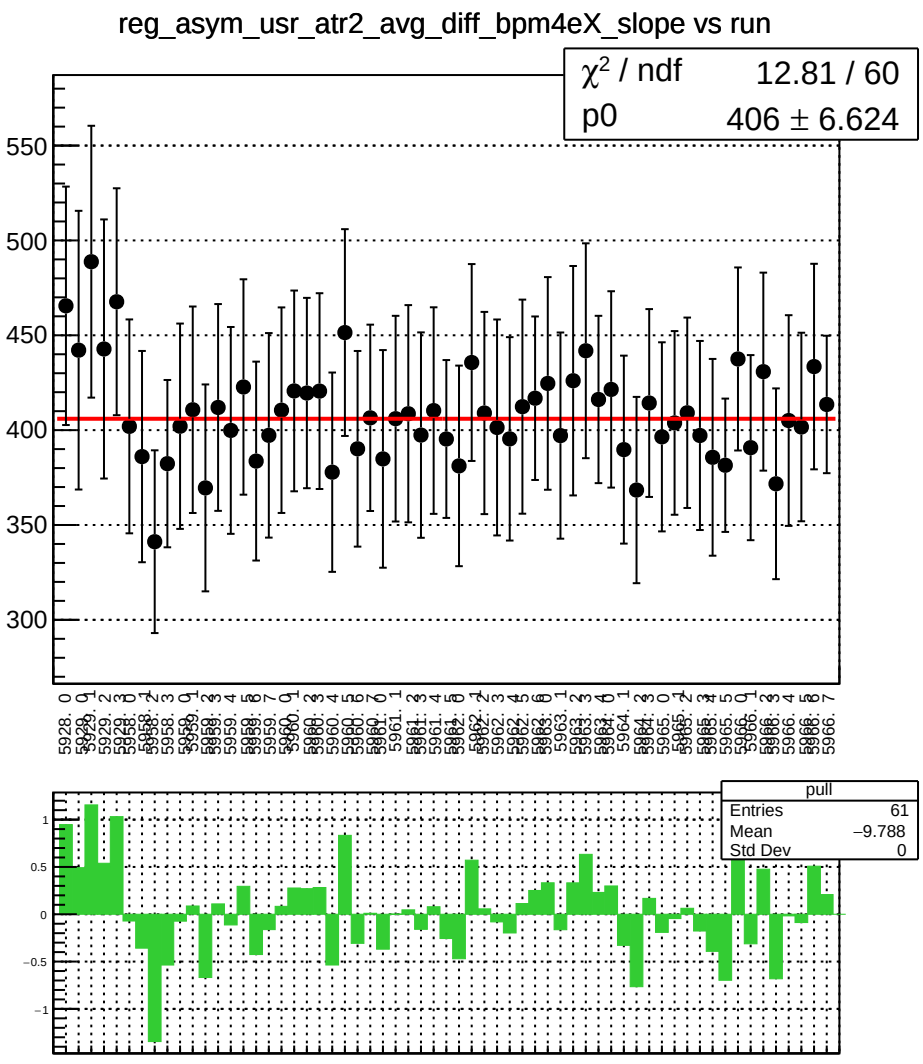

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 31.58 / 60
p0 −6.266 ± 0.1622
pull
Entries 61
Mean 97.87
Std Dev 0

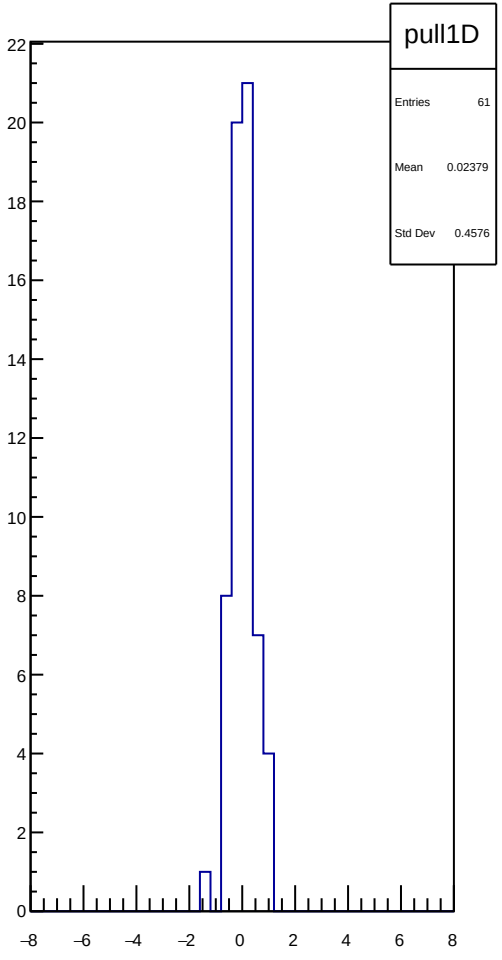

pull1D
Entries 61
Mean −0.0143
Std Dev 0.7193

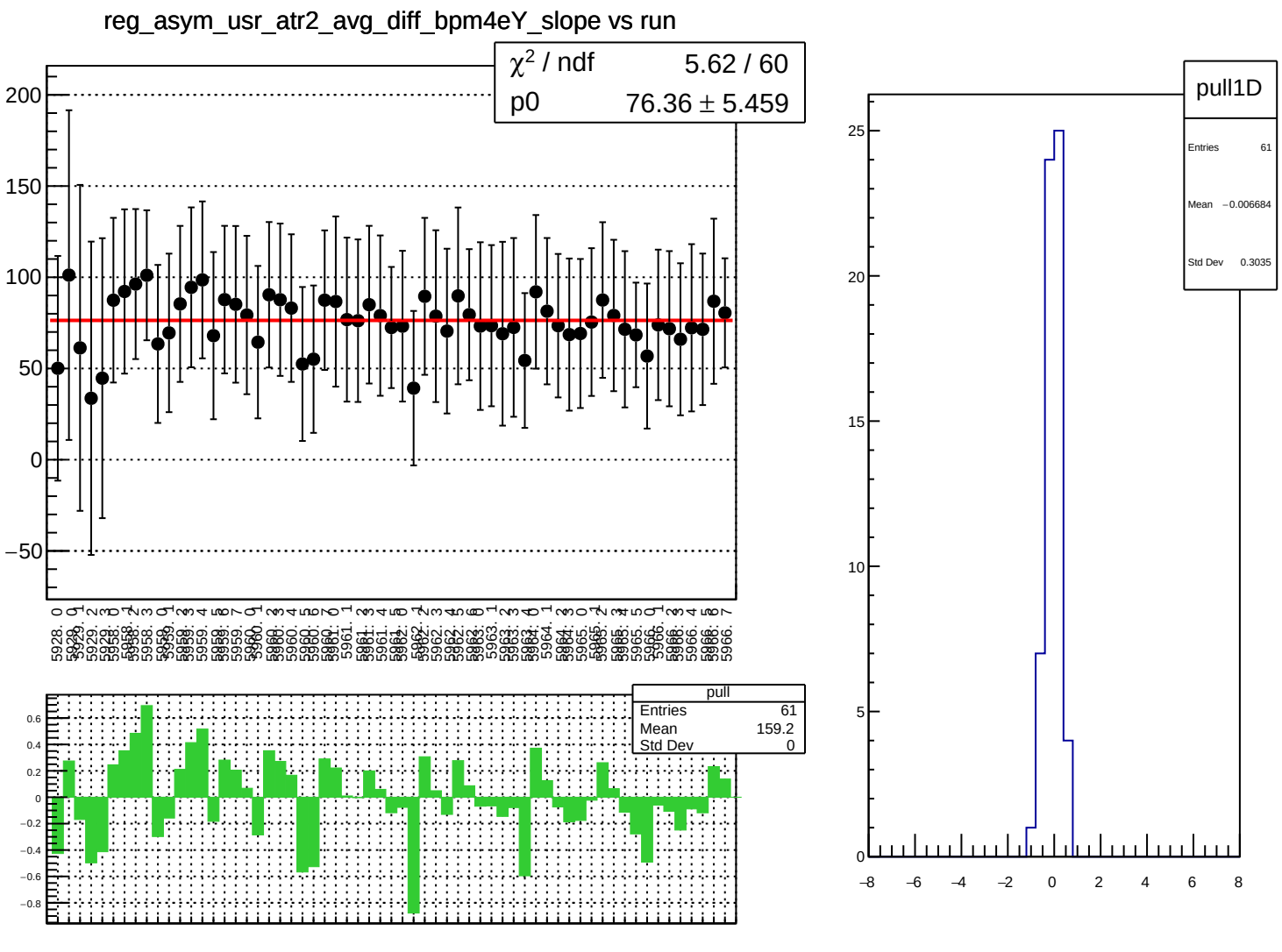

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 16.37 / 60
p0 −297.6 ± 6.493
pull
Entries 61
Mean 274.6
Std Dev 0
pull1D
Entries 61
Mean −0.01657
Std Dev 0.5178

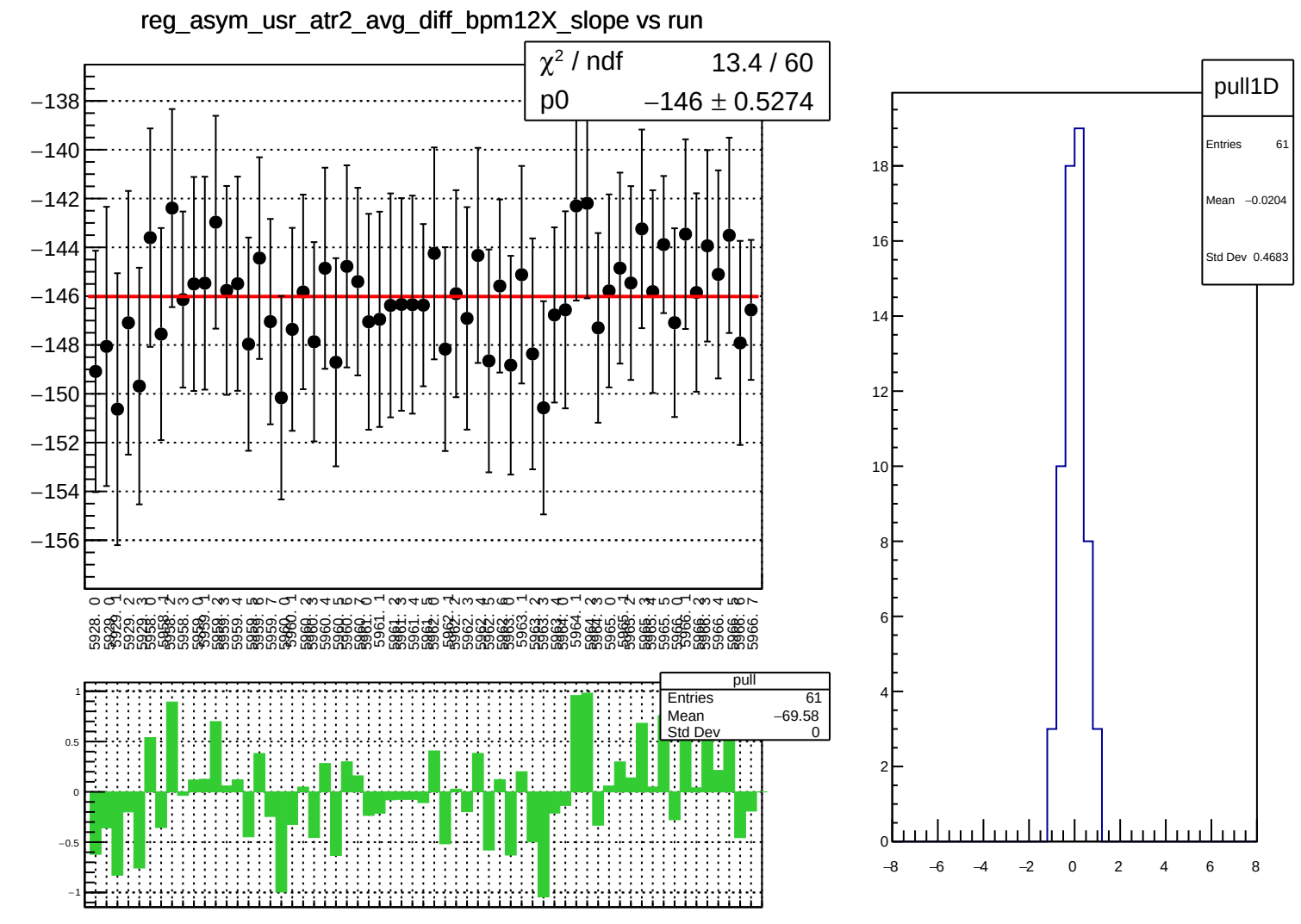

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.056 / 60
p0 −2.669 ± 4.244
pull
Entries 61
Mean 84.94
Std Dev 0

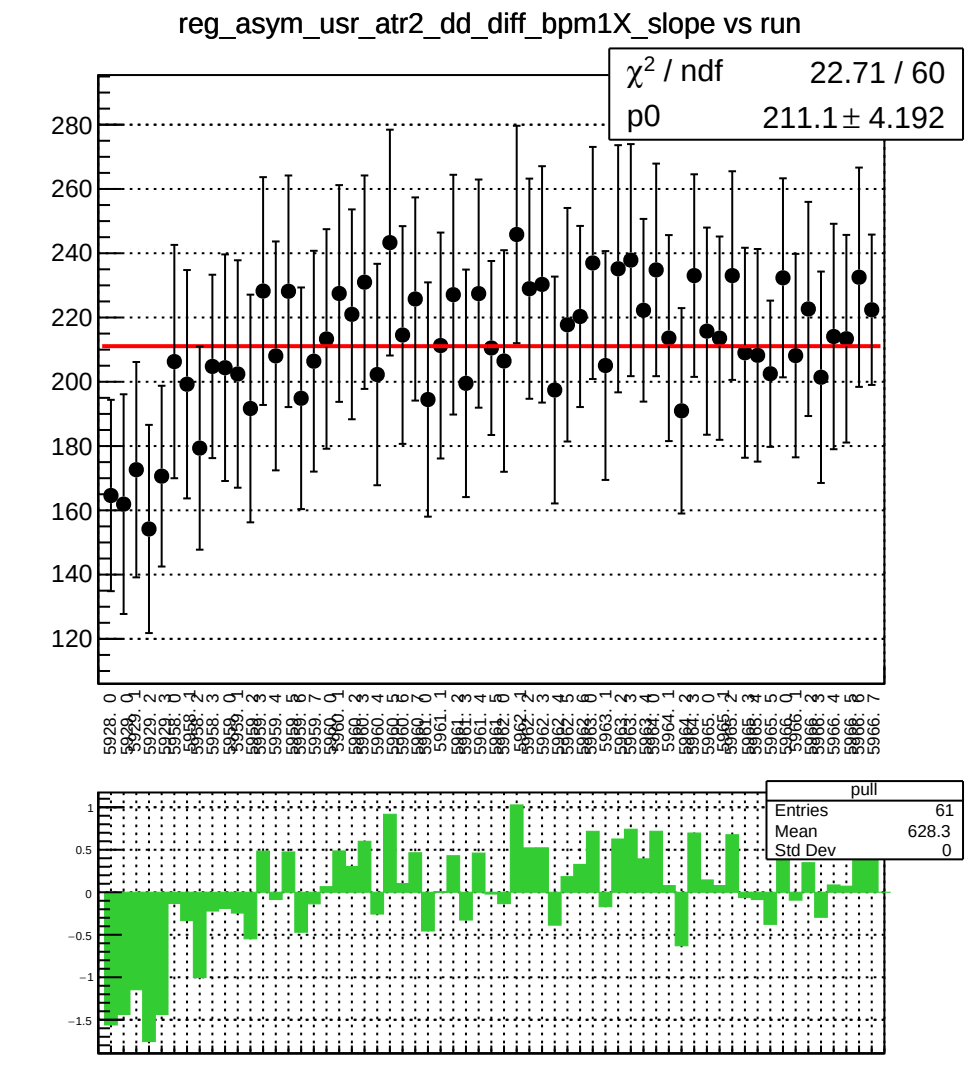

pull1D
Entries 61
Mean 0.007992
Std Dev 0.2878

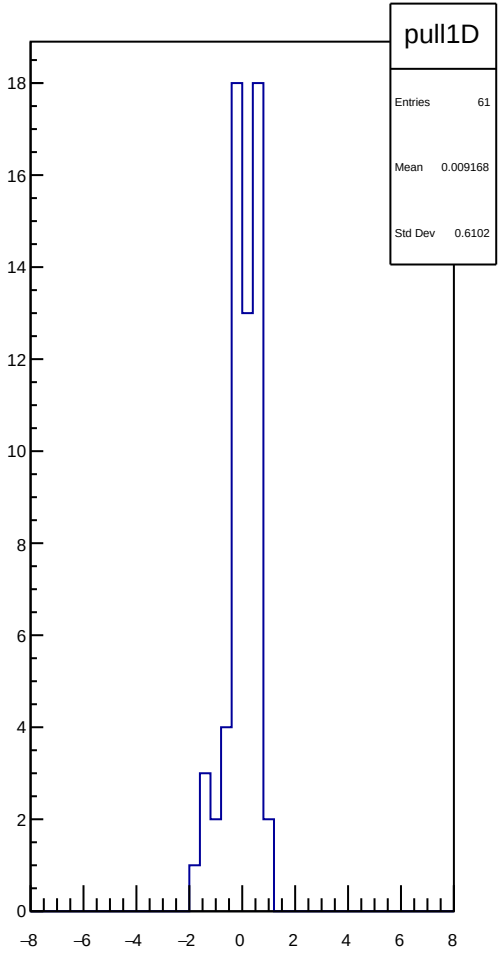

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.81 / 60
p0 406 ± 6.624
pull
Entries 61
Mean −9.788
Std Dev 0

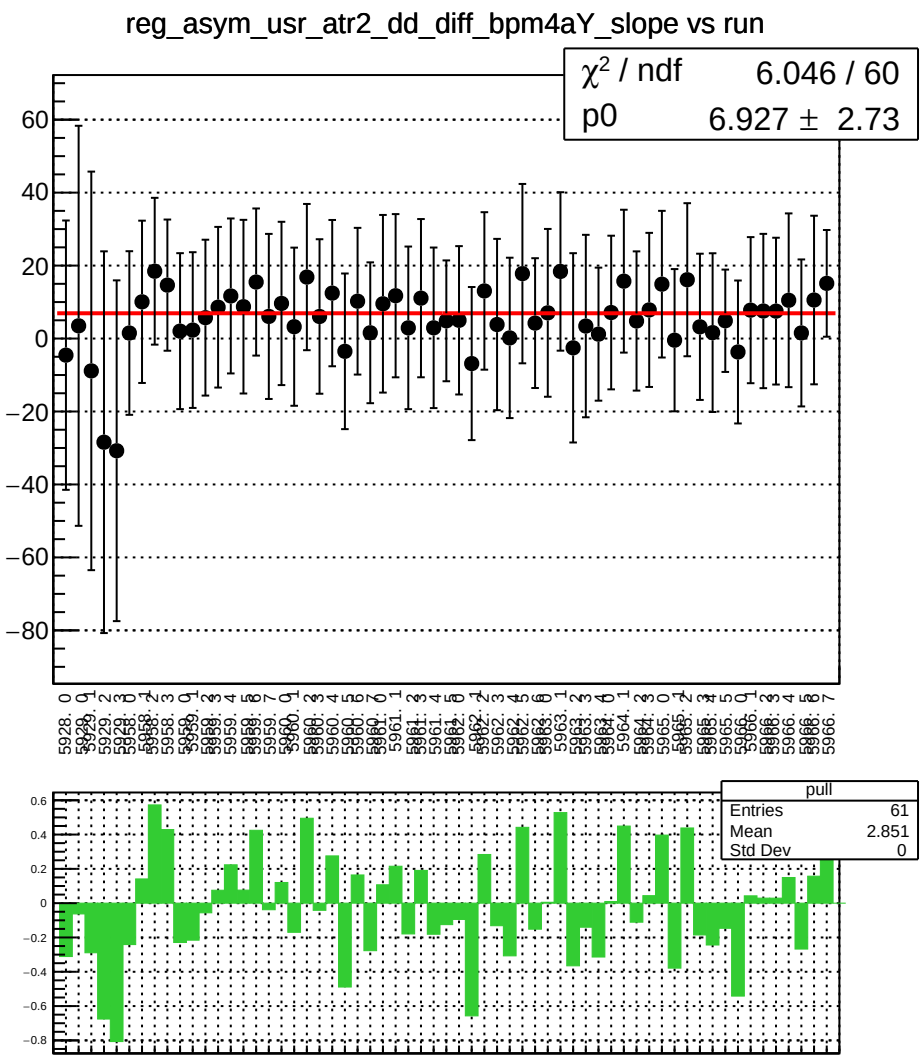

pull1D
Entries 61
Mean 0.02379
Std Dev 0.4576

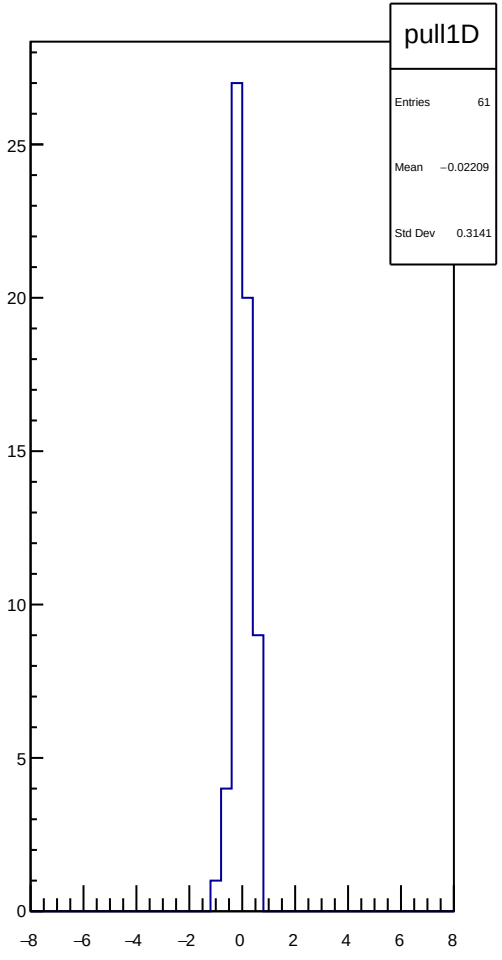

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.62 / 60
p0 76.36 ± 5.459
pull
Entries 61
Mean 159.2
Std Dev 0
pull1D
Entries 61
Mean −0.006684
Std Dev 0.3035

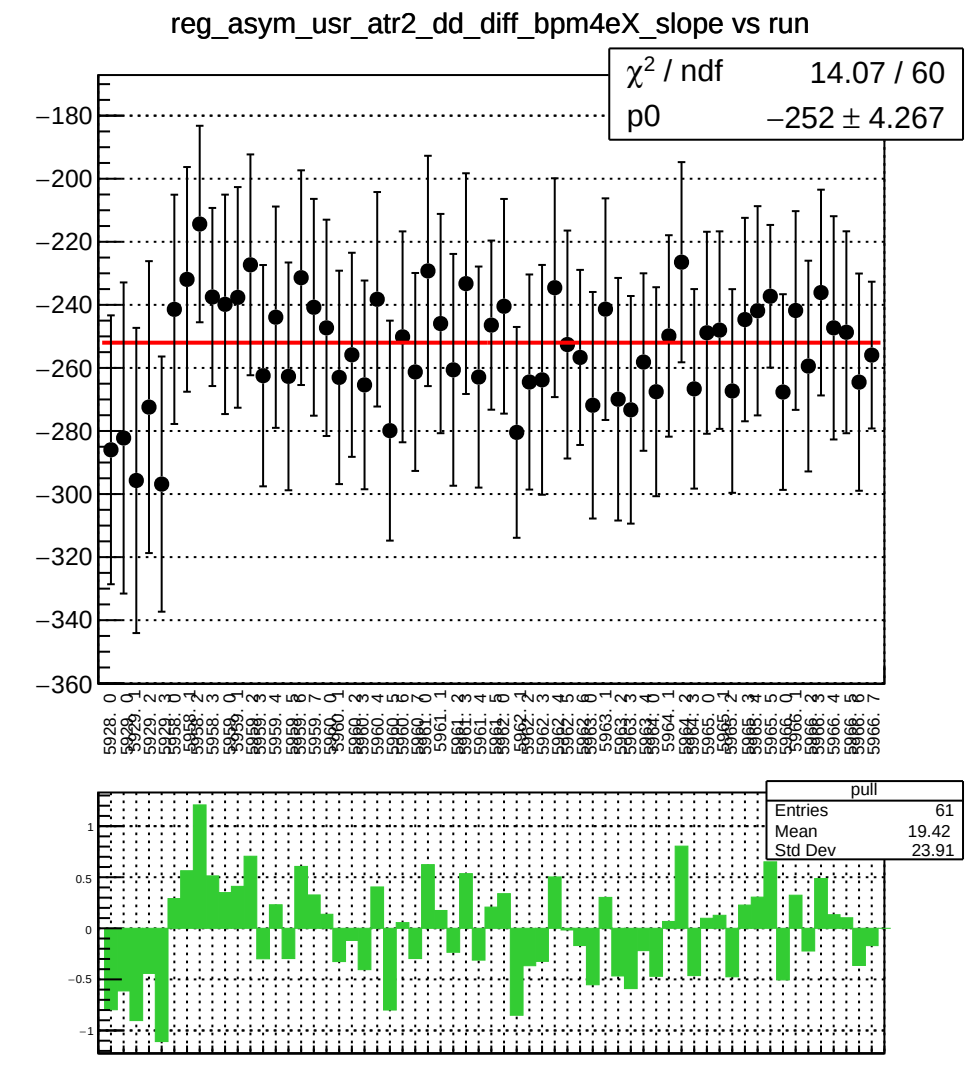

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.4 / 60
p0 −146 ± 0.5274
pull
Entries 61
Mean −69.58
Std Dev 0
pull1D
Entries 61
Mean −0.0204
Std Dev 0.4683

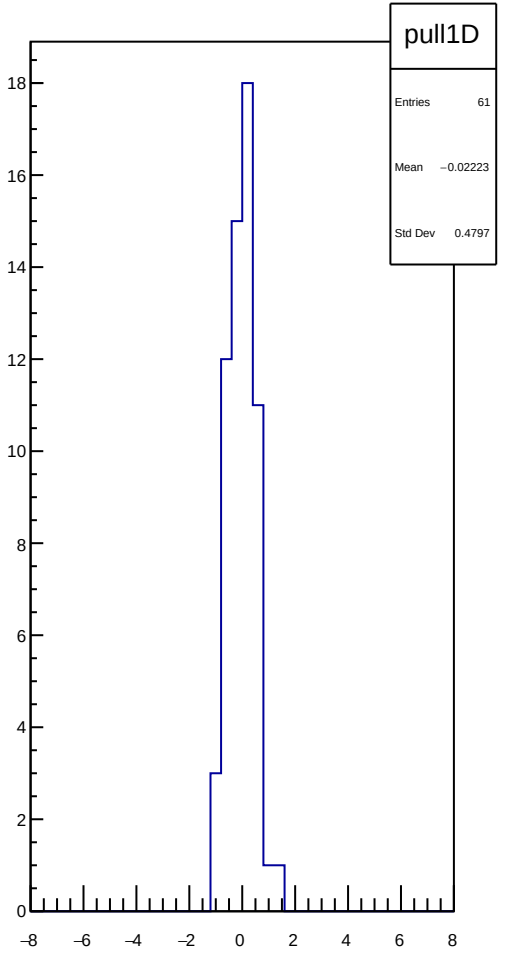

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 22.71 / 60
p0 211.1 ± 4.192
pull
Entries 61
Mean 628.3
Std Dev 0

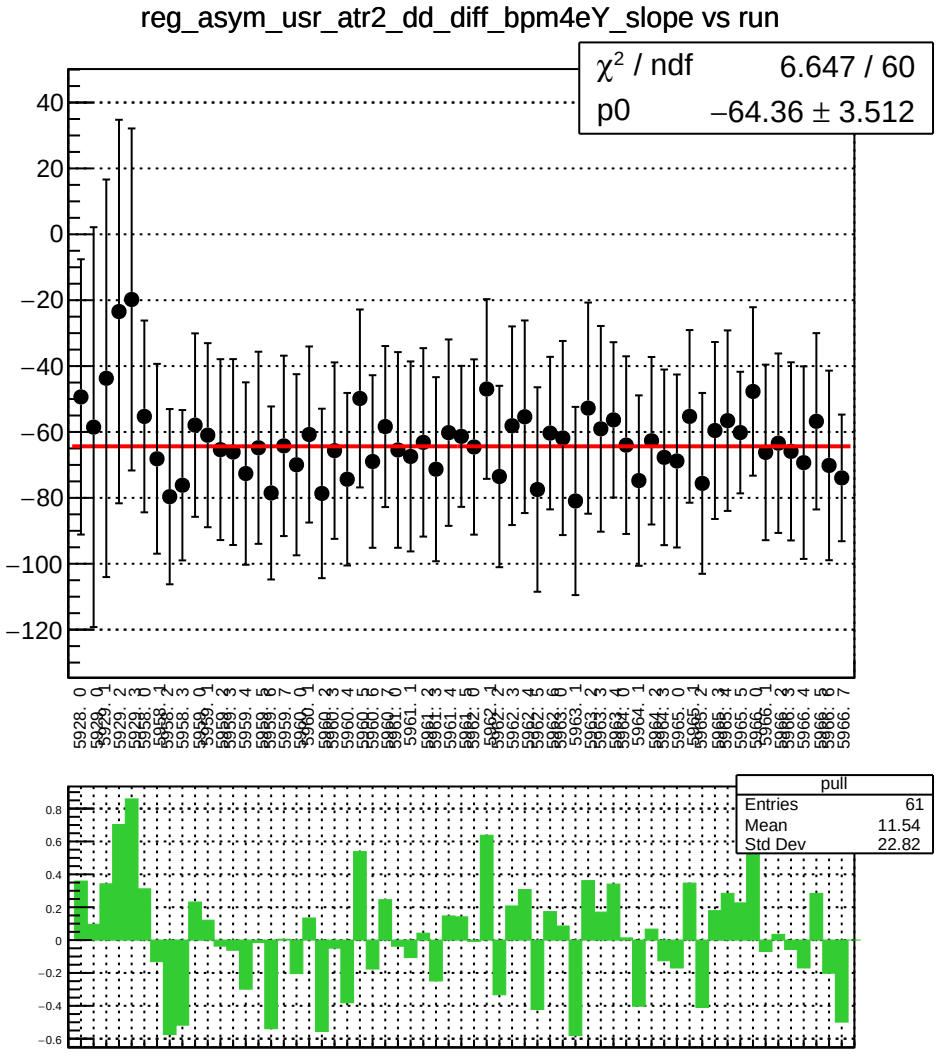

pull1D
Entries 61
Mean 0.009168
Std Dev 0.6102

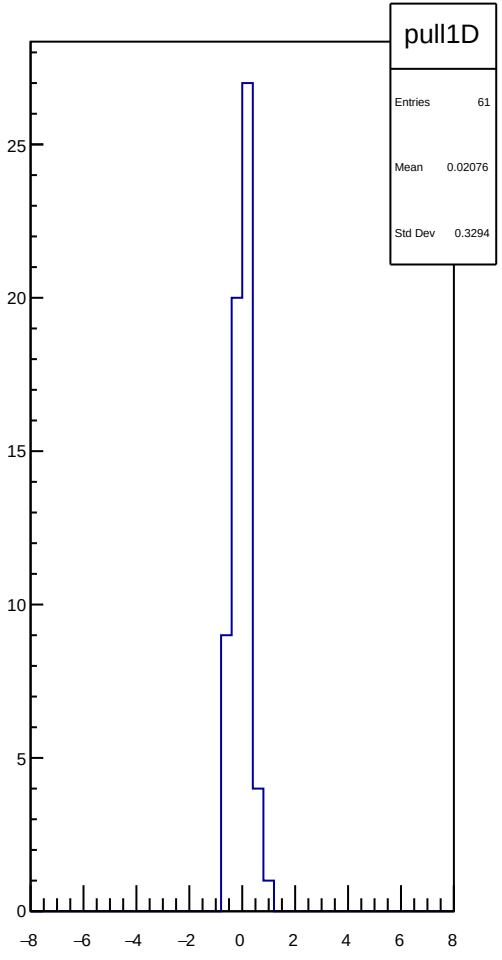

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.046 / 60
p0 6.927 ± 2.73
pull
Entries 61
Mean 2.851
Std Dev 0

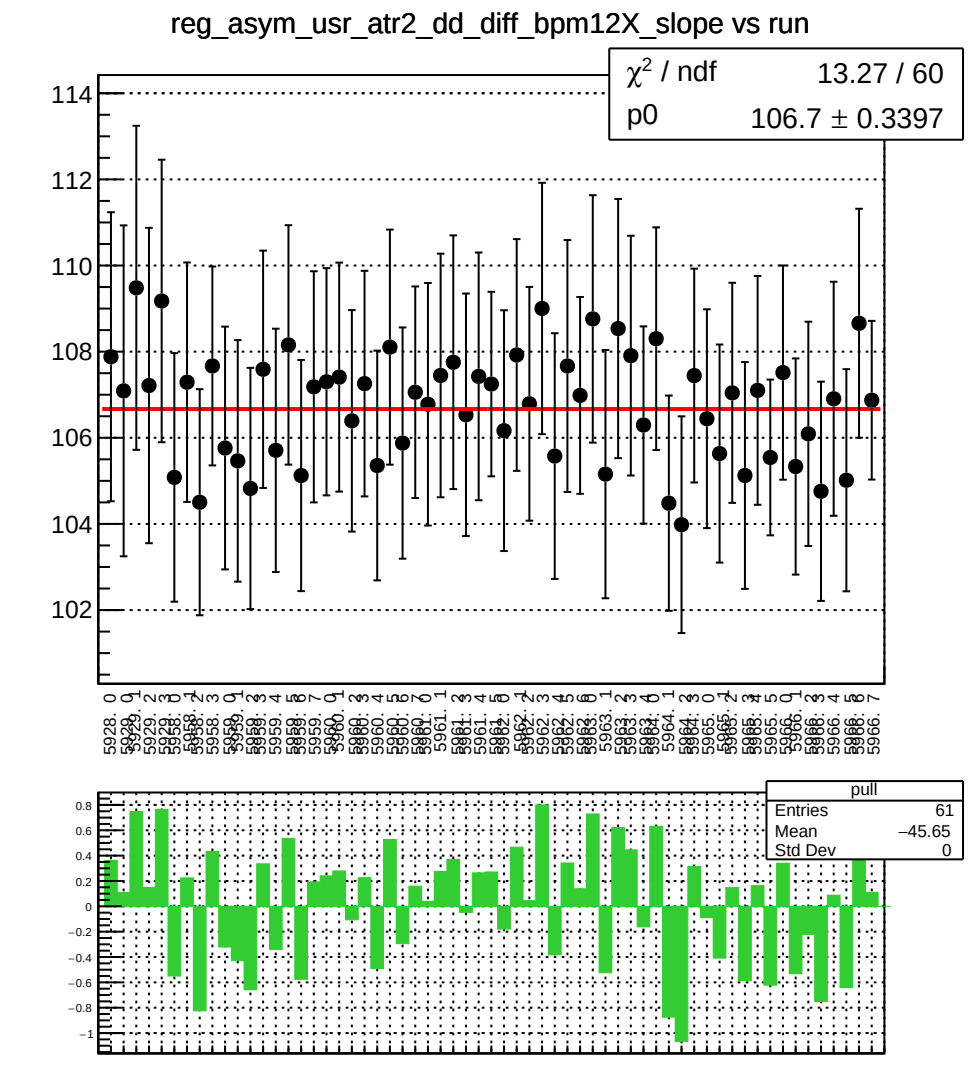

pull1D
Entries 61
Mean −0.02209
Std Dev 0.3141

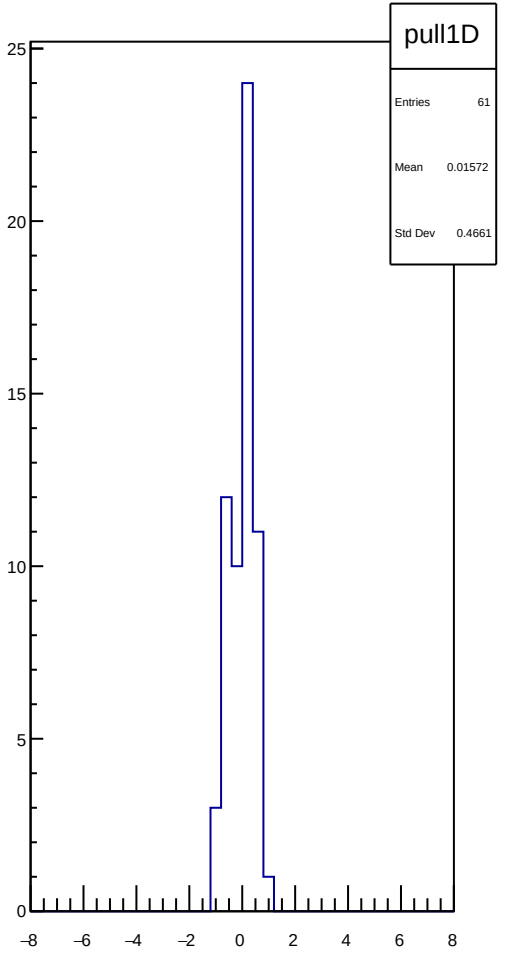

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.07 / 60
p0 −252 ± 4.267
pull
Entries 61
Mean 19.42
Std Dev 23.91

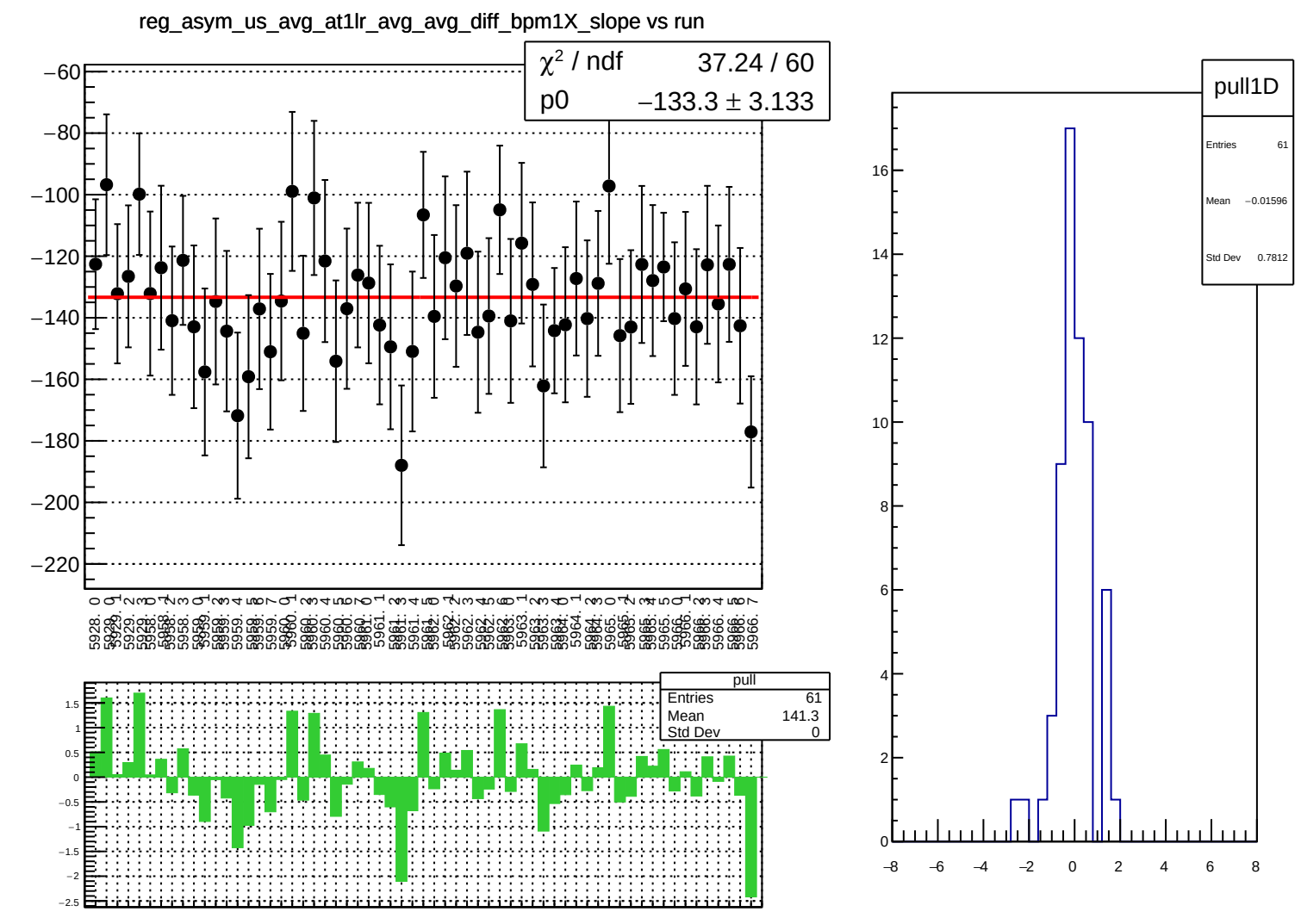

pull1D
Entries 61
Mean −0.02223
Std Dev 0.4797

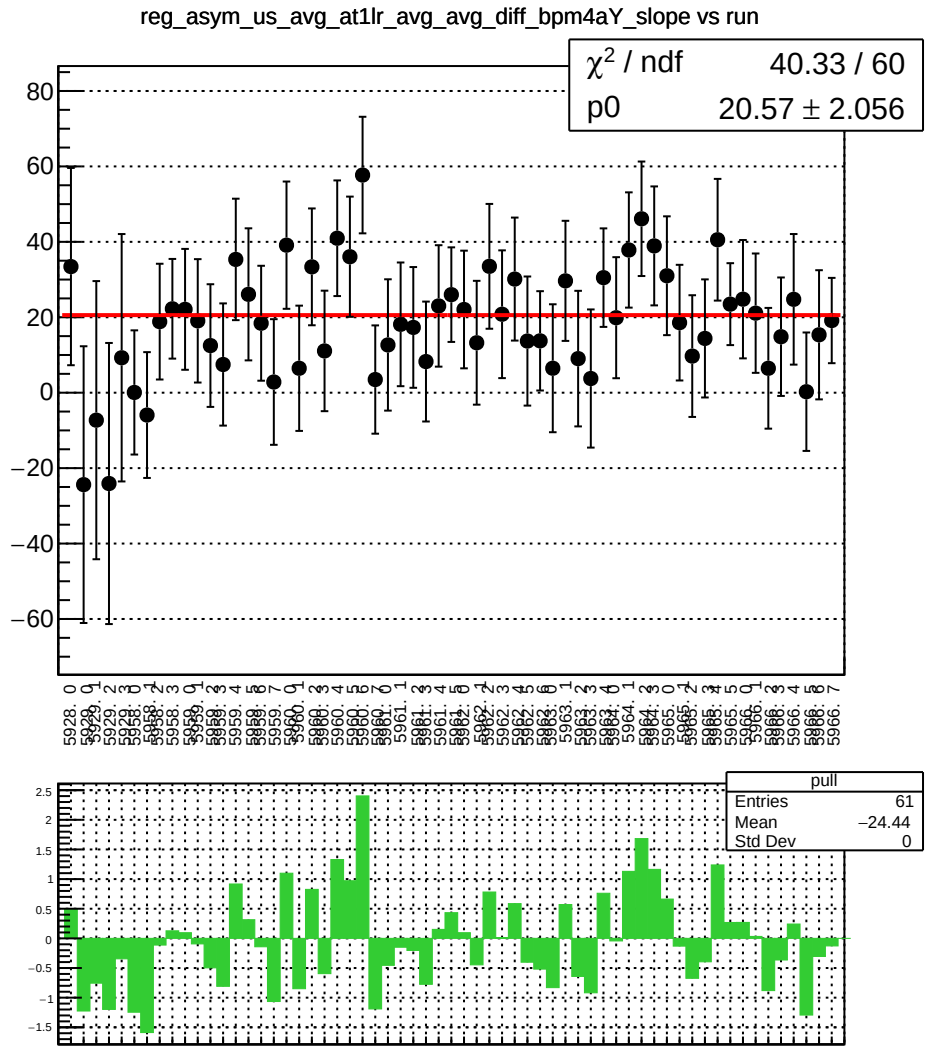

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.647 / 60
p0 −64.36 ± 3.512
pull
Entries 61
Mean 11.54
Std Dev 22.82

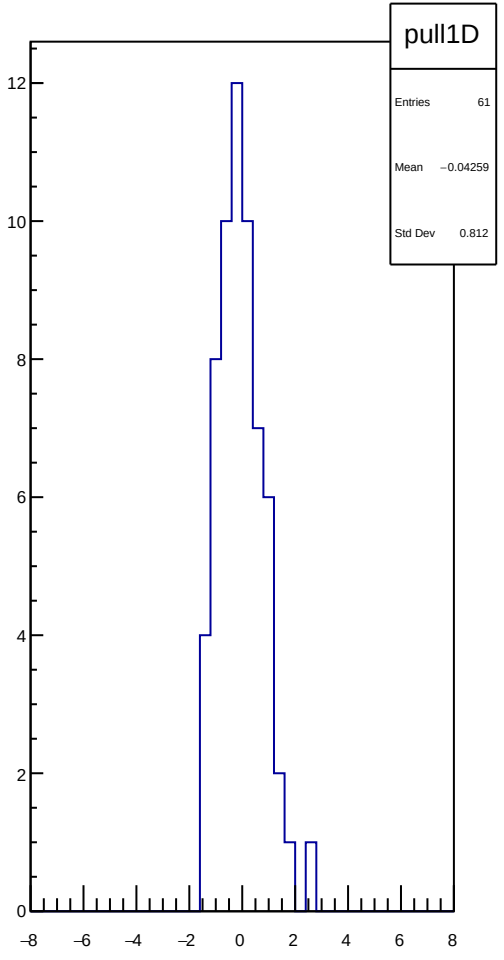

pull1D
Entries 61
Mean 0.02076
Std Dev 0.3294

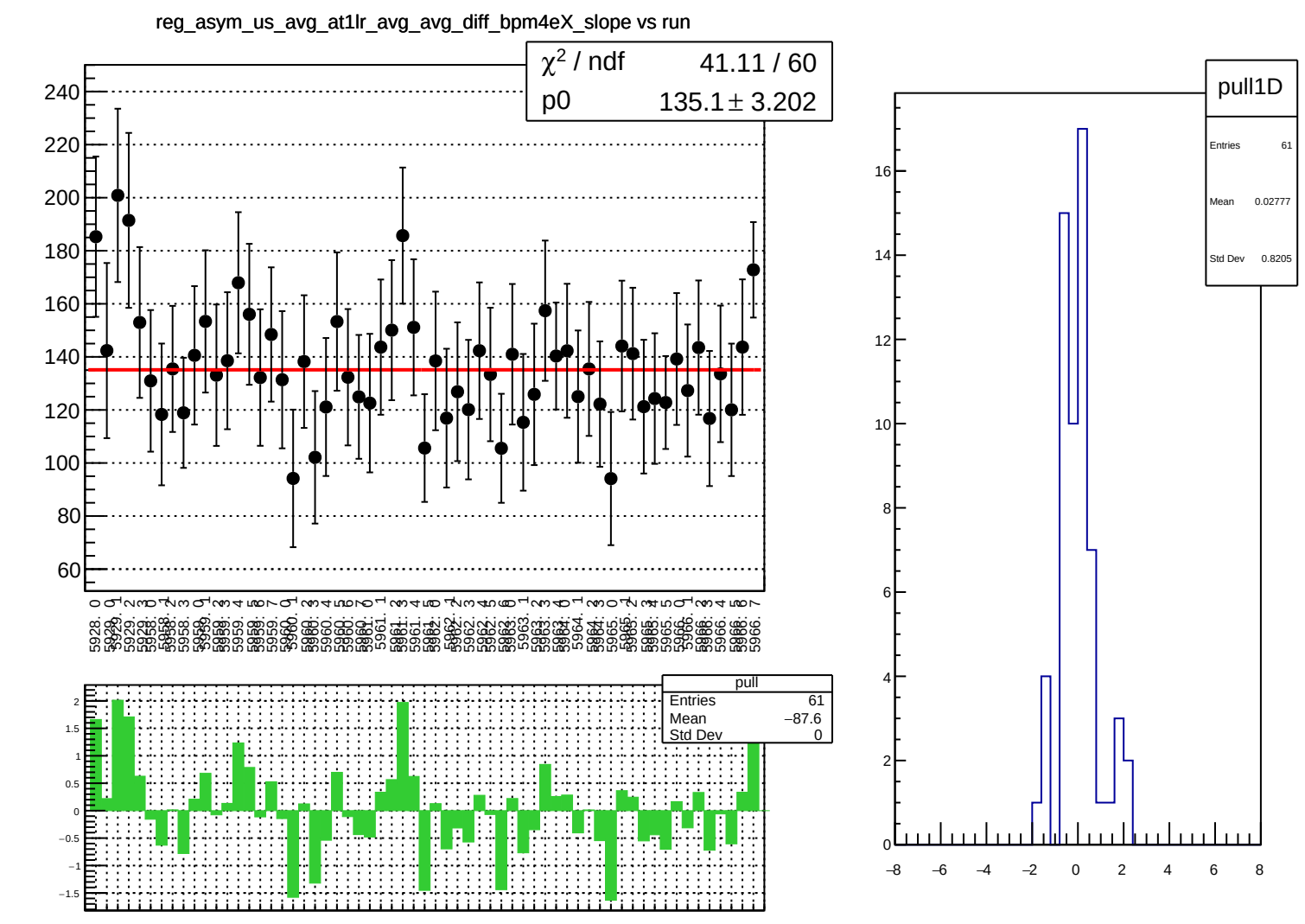

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.27 / 60
p0 106.7 ± 0.3397
pull
Entries 61
Mean −45.65
Std Dev 0

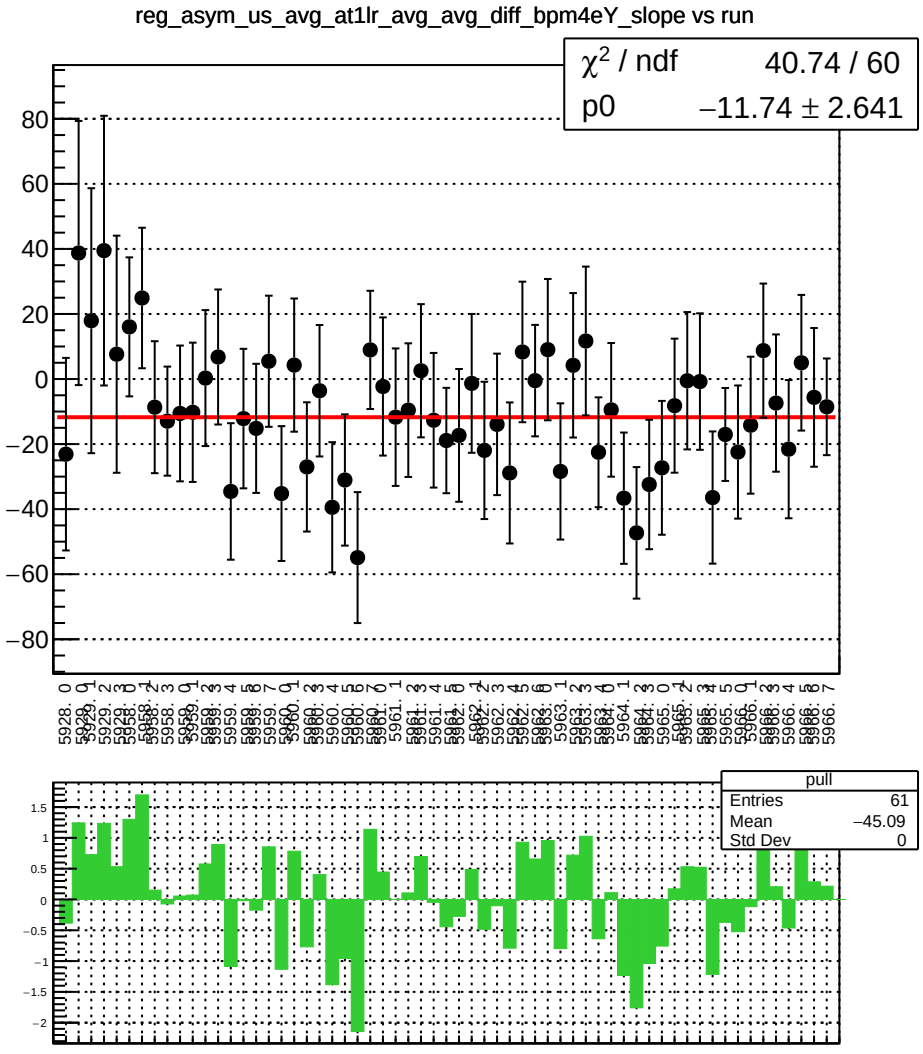

pull1D
Entries 61
Mean 0.01572
Std Dev 0.4661

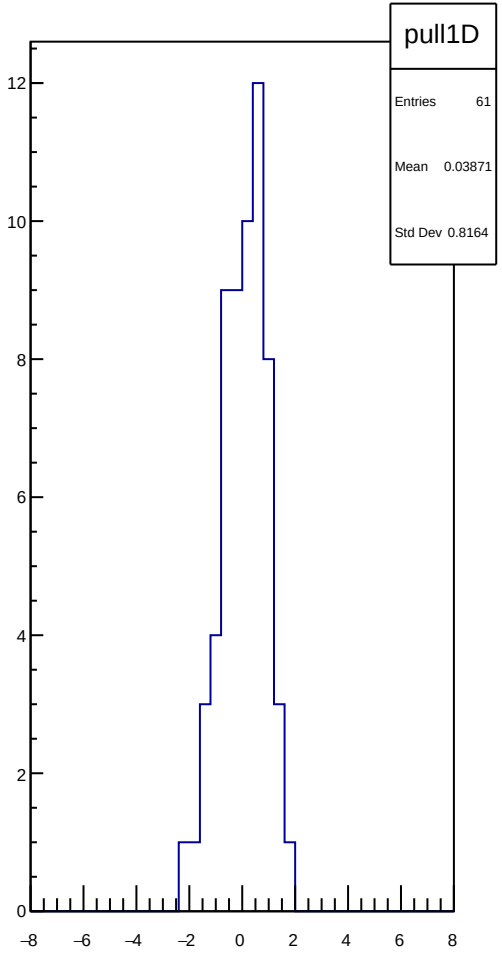

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.24 / 60
p0 −133.3 ± 3.133
pull
Entries 61
Mean 141.3
Std Dev 0
pull1D
Entries 61
Mean −0.01596
Std Dev 0.7812

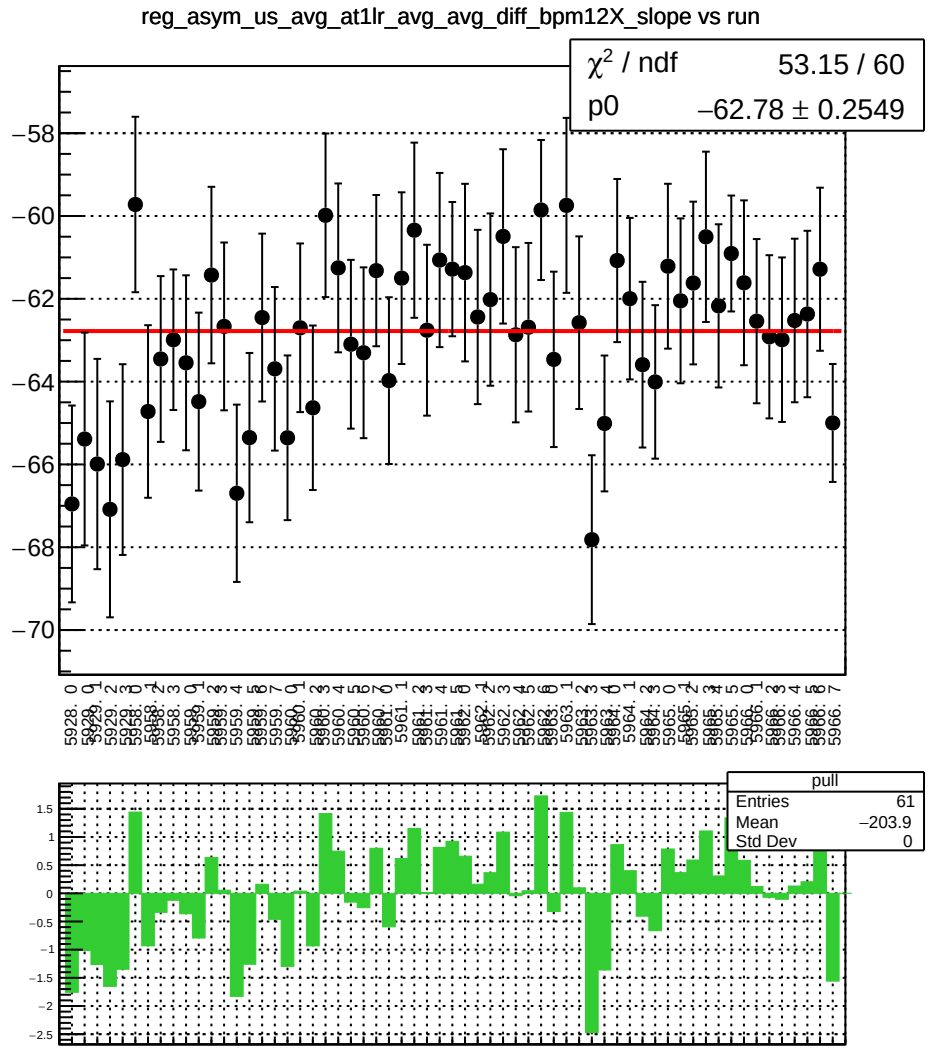

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.33 / 60
p0 20.57 ± 2.056
pull
Entries 61
Mean −24.44
Std Dev 0

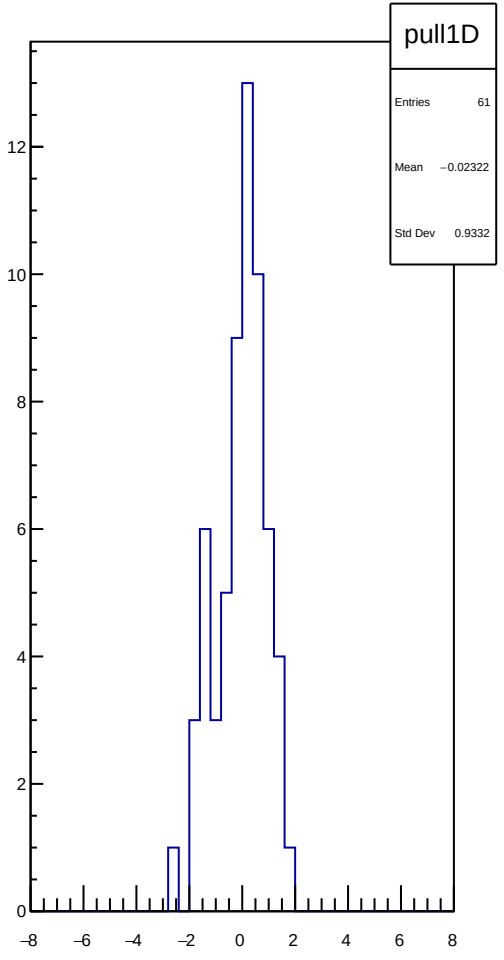

pull1D
Entries 61
Mean −0.04259
Std Dev 0.812

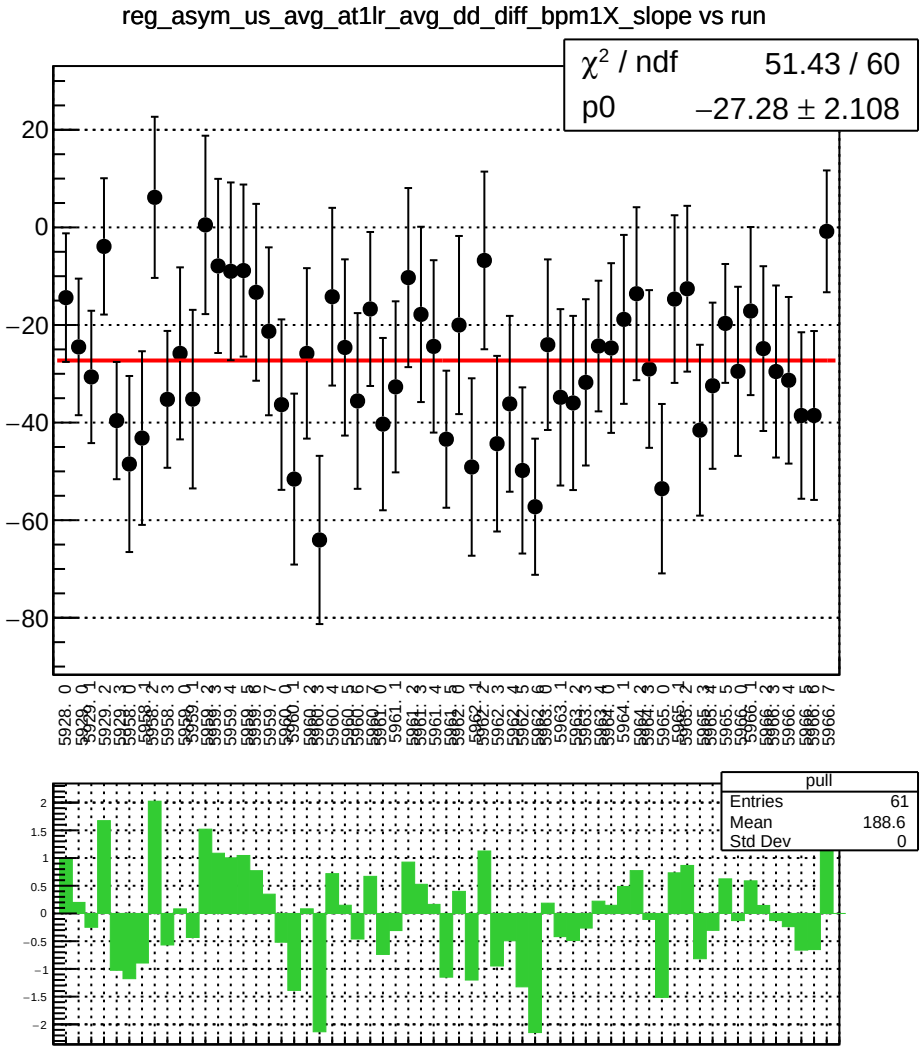

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.11 / 60
p0 135.1 ± 3.202
pull
Entries 61
Mean −87.6
Std Dev 0
pull1D
Entries 61
Mean 0.02777
Std Dev 0.8205

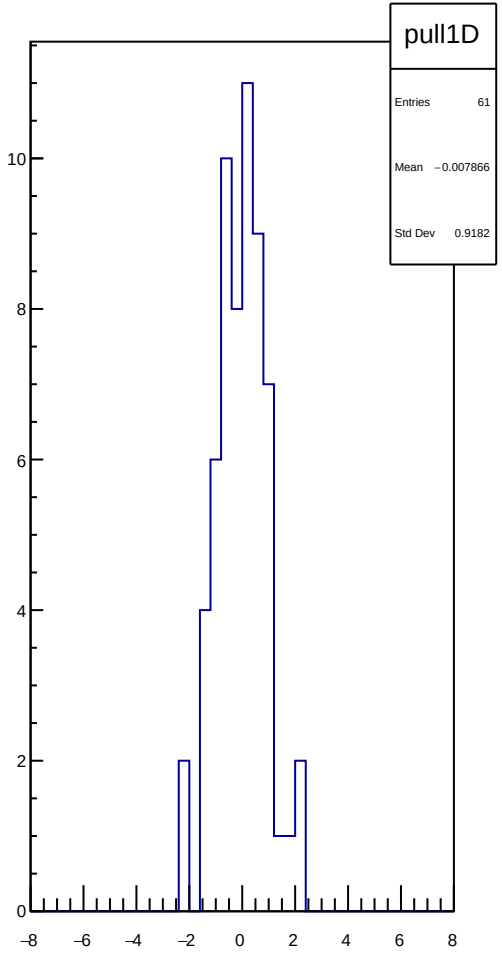

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.74 / 60
p0 −11.74 ± 2.641
pull
Entries 61
Mean −45.09
Std Dev 0

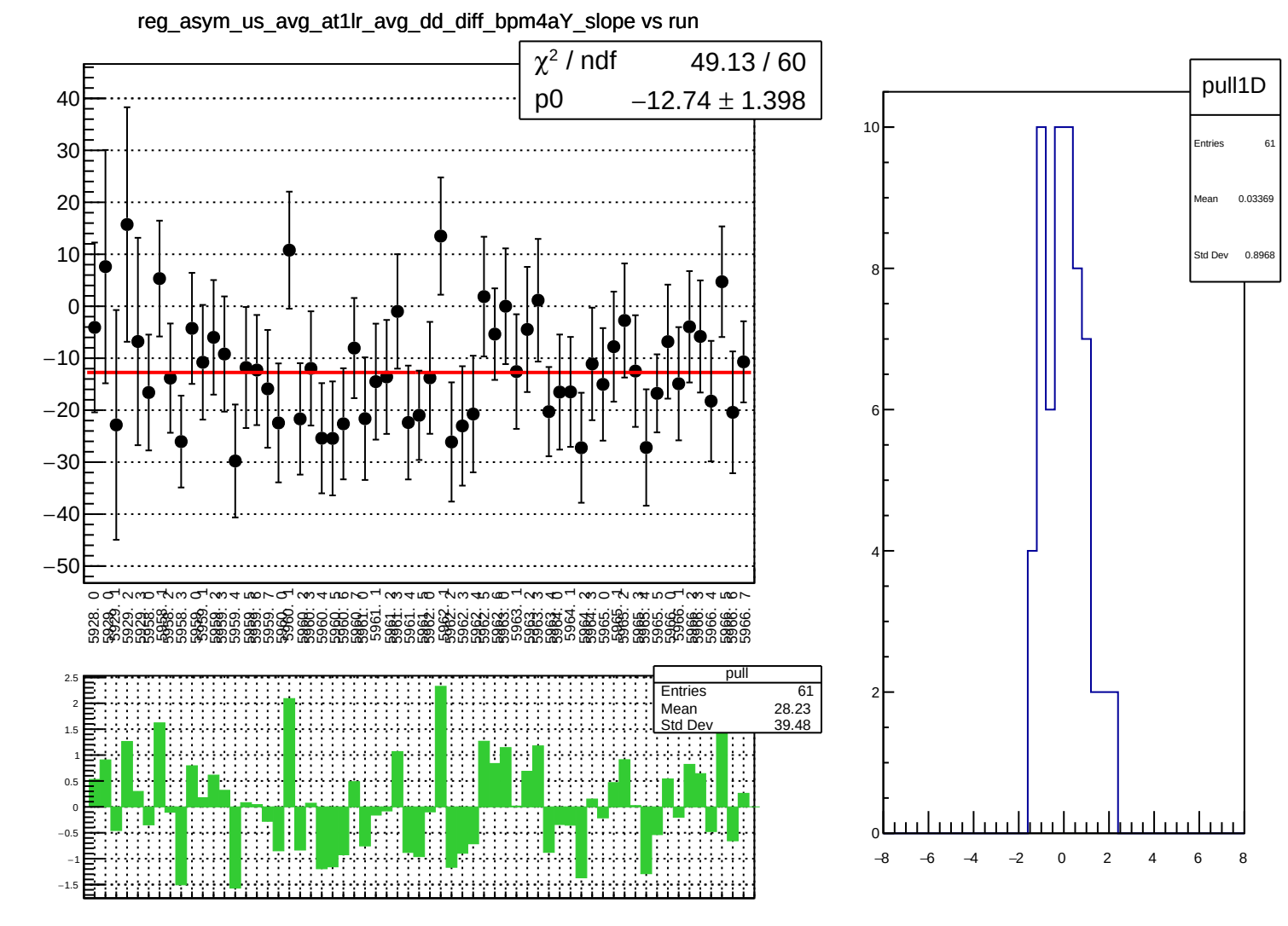

pull1D
Entries 61
Mean 0.03871
Std Dev 0.8164

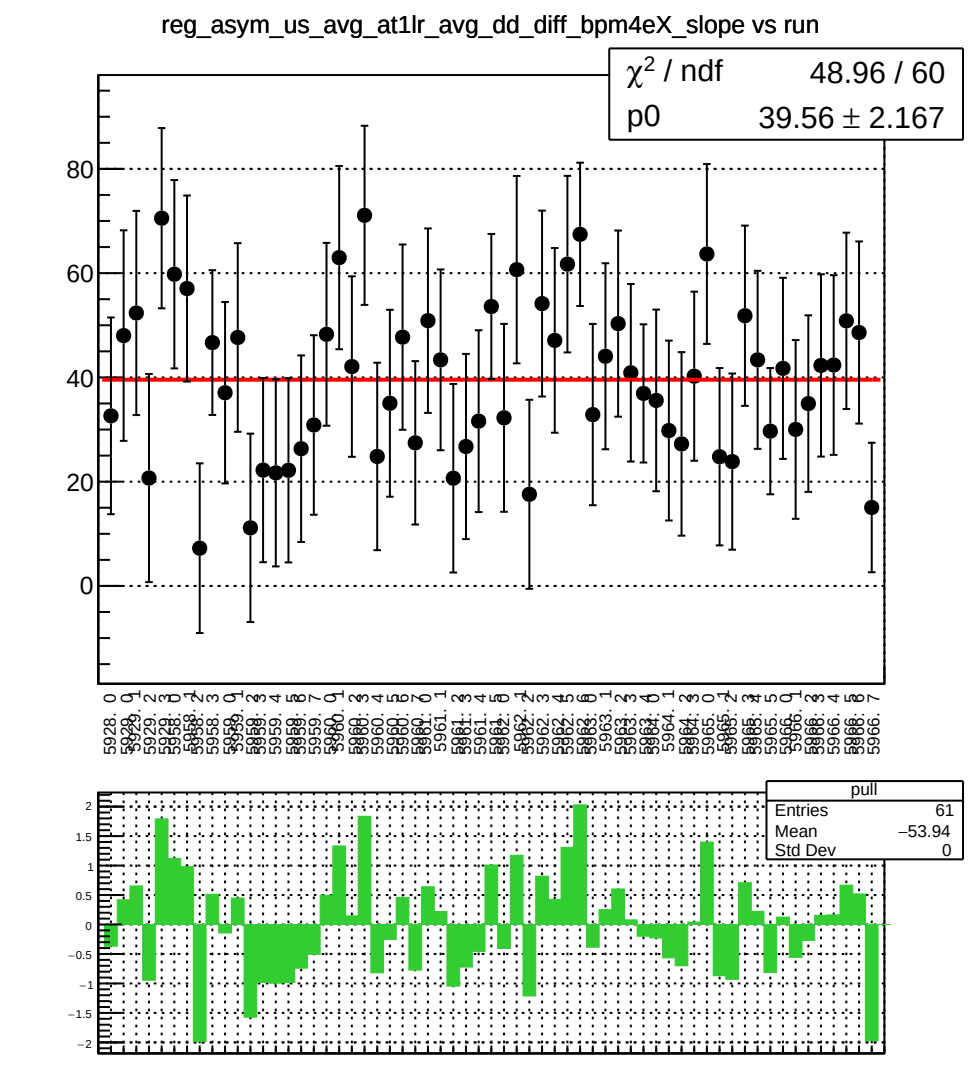

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 53.15 / 60
p0 −62.78 ± 0.2549
pull
Entries 61
Mean −203.9
Std Dev 0

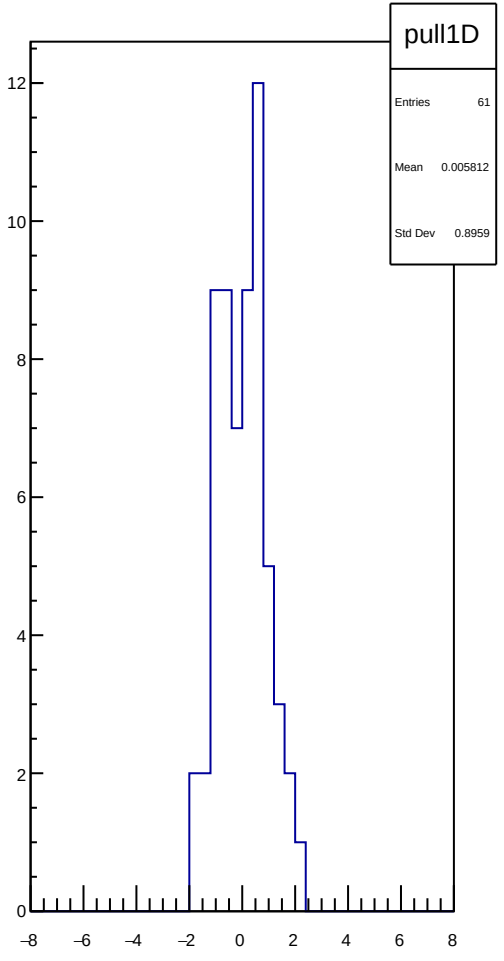

pull1D
Entries 61
Mean −0.02322
Std Dev 0.9332

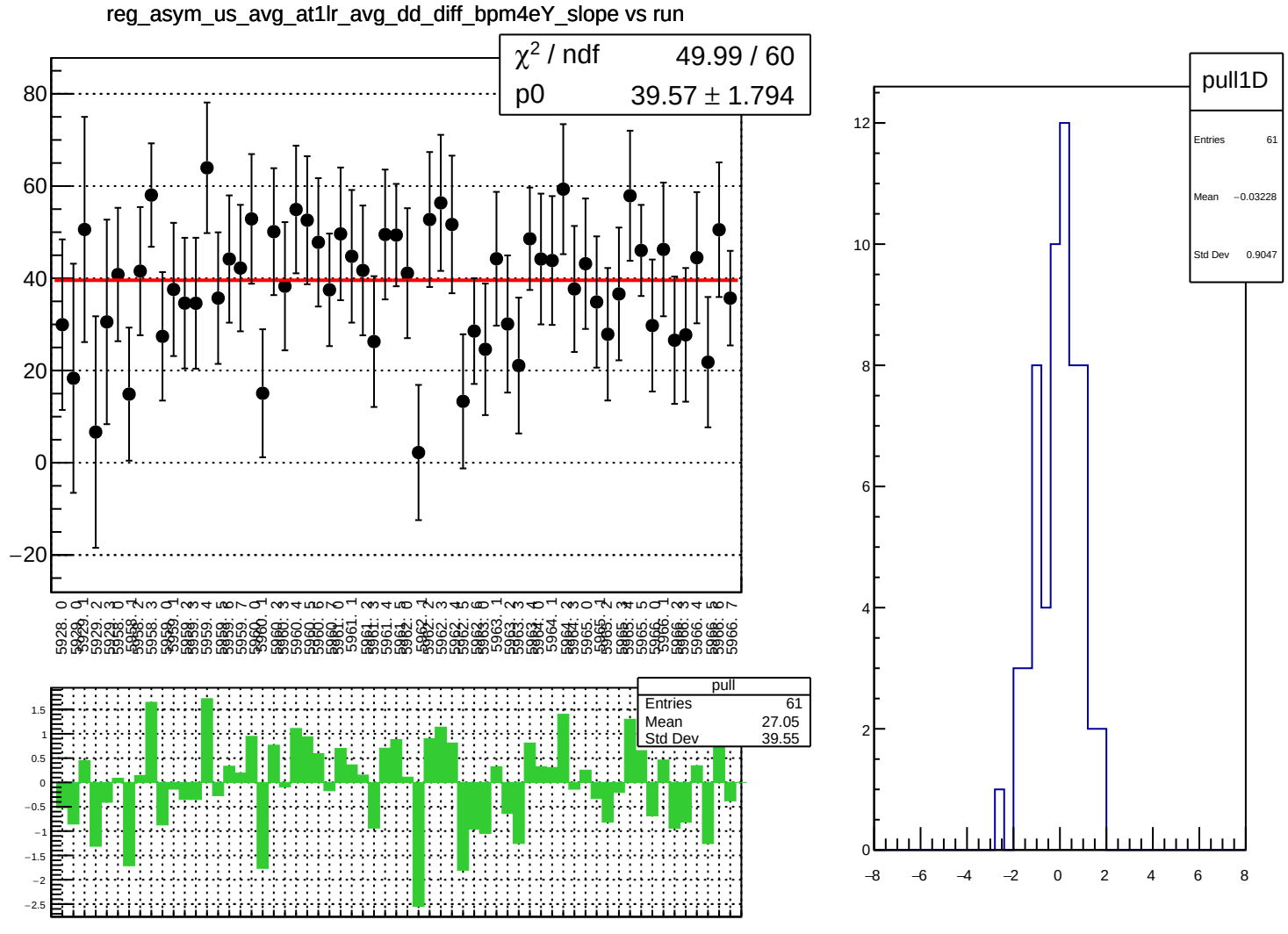

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 51.43 / 60
p0 −27.28 ± 2.108
pull
Entries 61
Mean 188.6
Std Dev 0

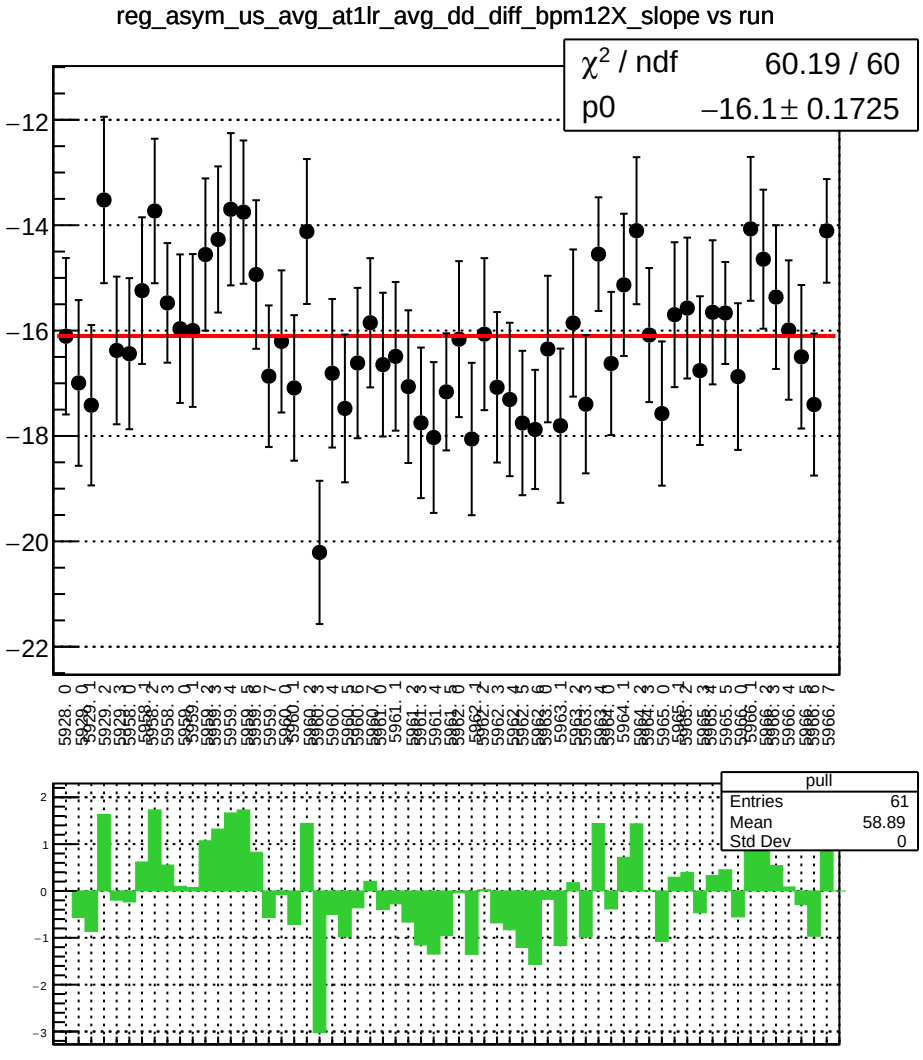

pull1D
Entries 61
Mean −0.007866
Std Dev 0.9182

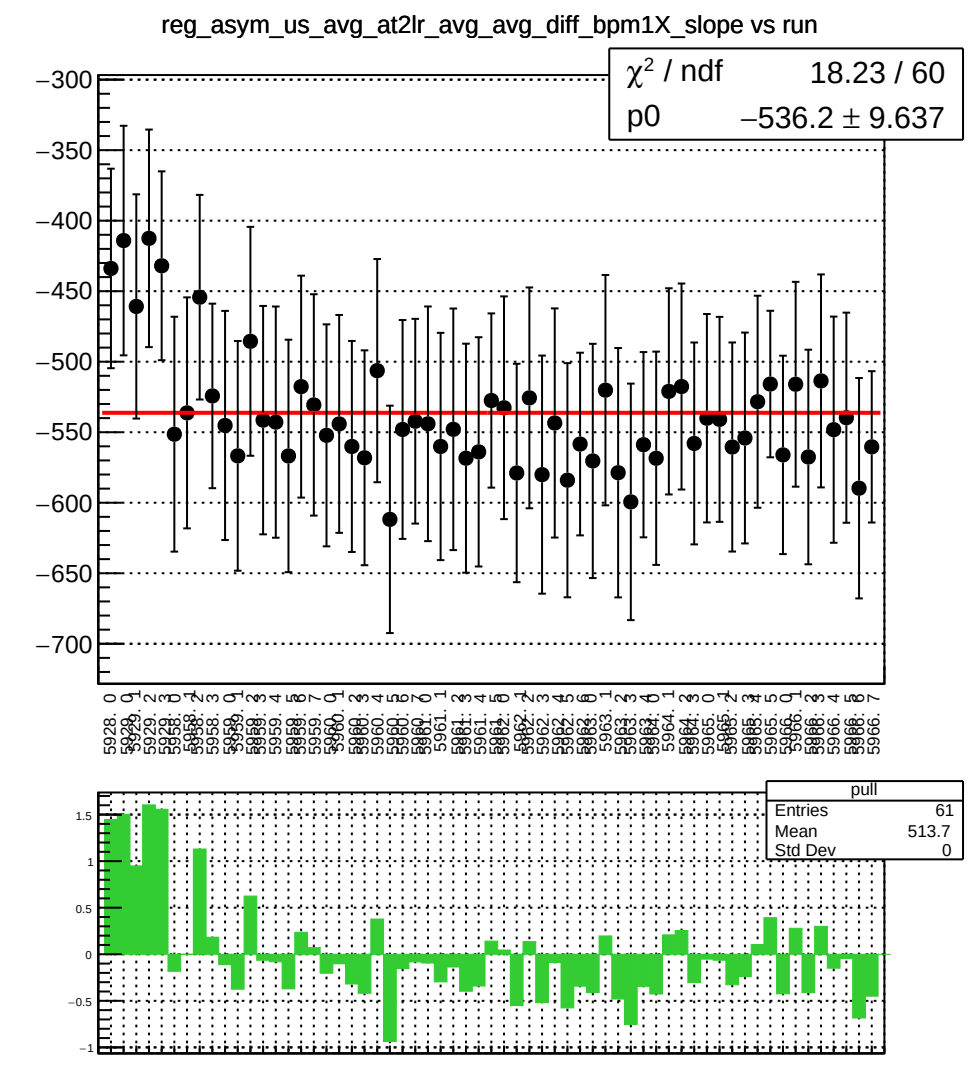

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.13 / 60
p0 −12.74 ± 1.398
pull
Entries 61
Mean 28.23
Std Dev 39.48
pull1D
Entries 61
Mean 0.03369
Std Dev 0.8968

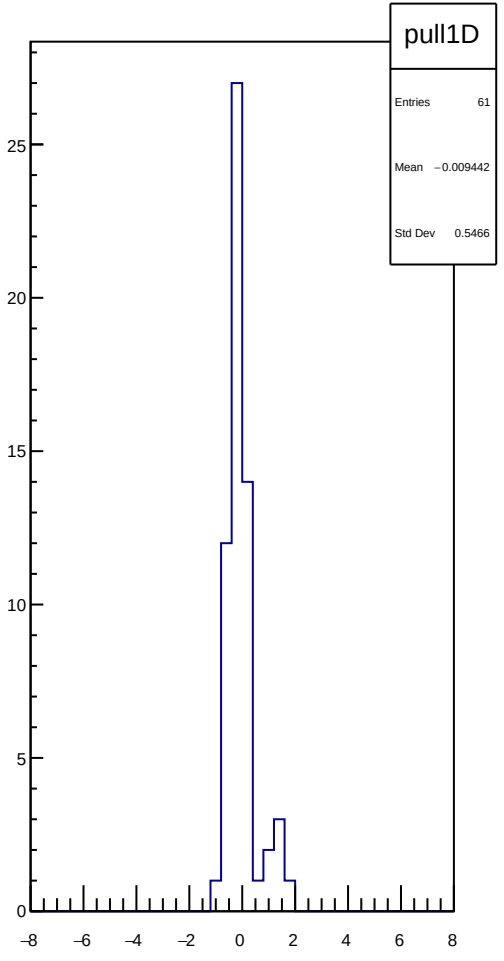

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.96 / 60
p0 39.56 ± 2.167
pull
Entries 61
Mean −53.94
Std Dev 0

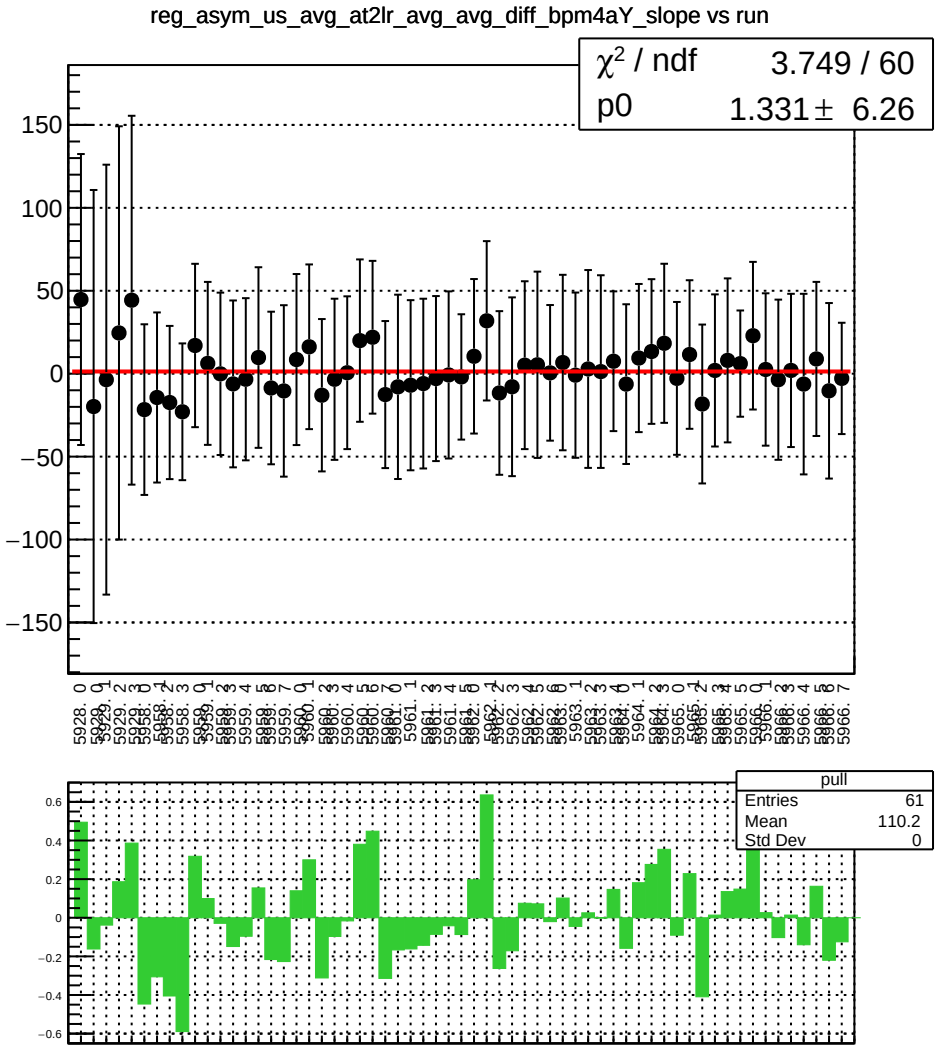

pull1D
Entries 61
Mean 0.005812
Std Dev 0.8959

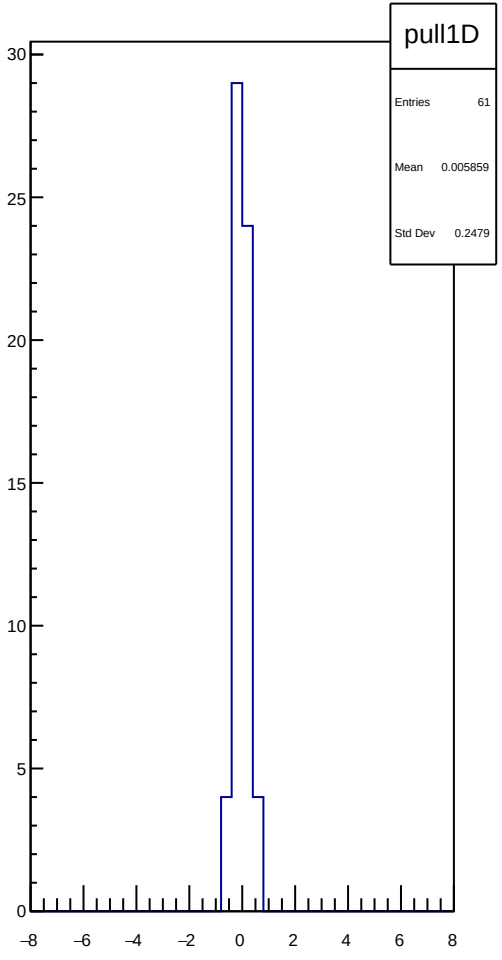

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.99 / 60
p0 39.57 ± 1.794
pull
Entries 61
Mean 27.05
Std Dev 39.55
pull1D
Entries 61
Mean −0.03228
Std Dev 0.9047

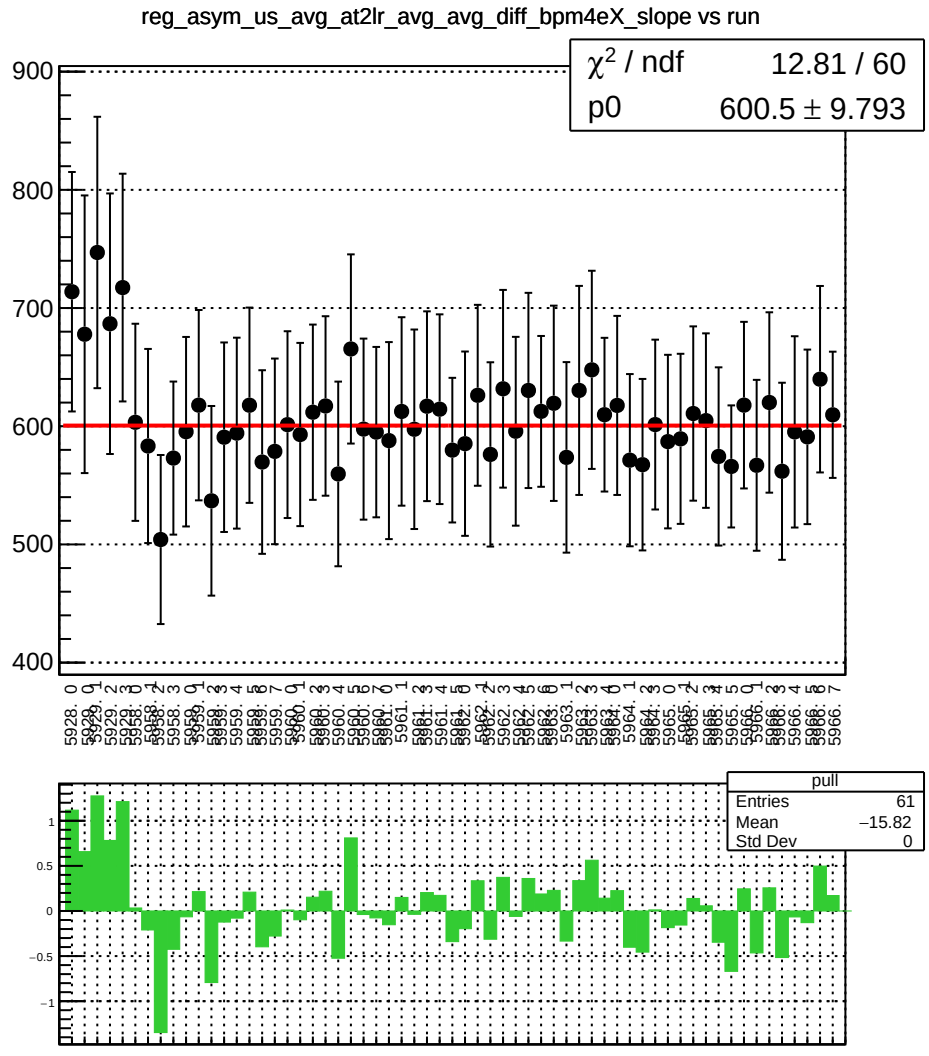

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 60.19 / 60
p0 −16.1 ± 0.1725
pull
Entries 61
Mean 58.89
Std Dev 0
pull1D
Entries 61
Mean −0.01841
Std Dev 0.9932

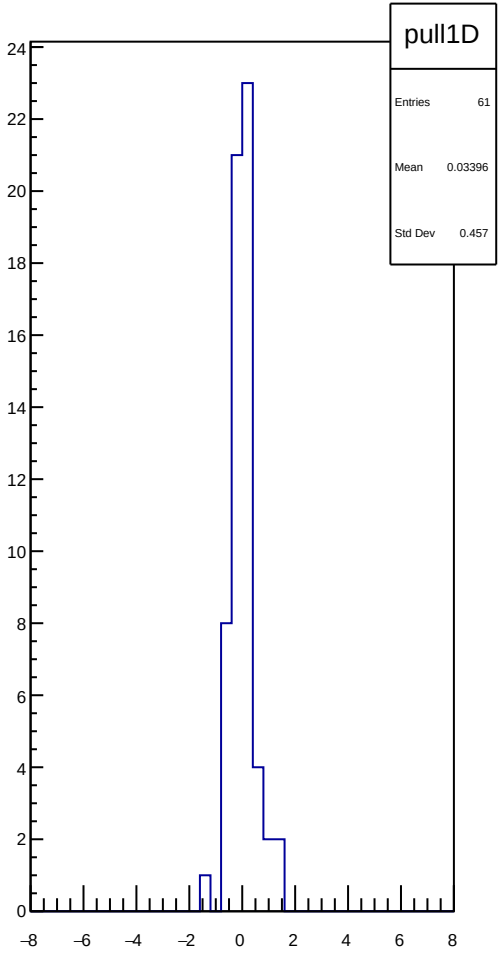

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 18.23 / 60
p0 −536.2 ± 9.637
pull
Entries 61
Mean 513.7
Std Dev 0

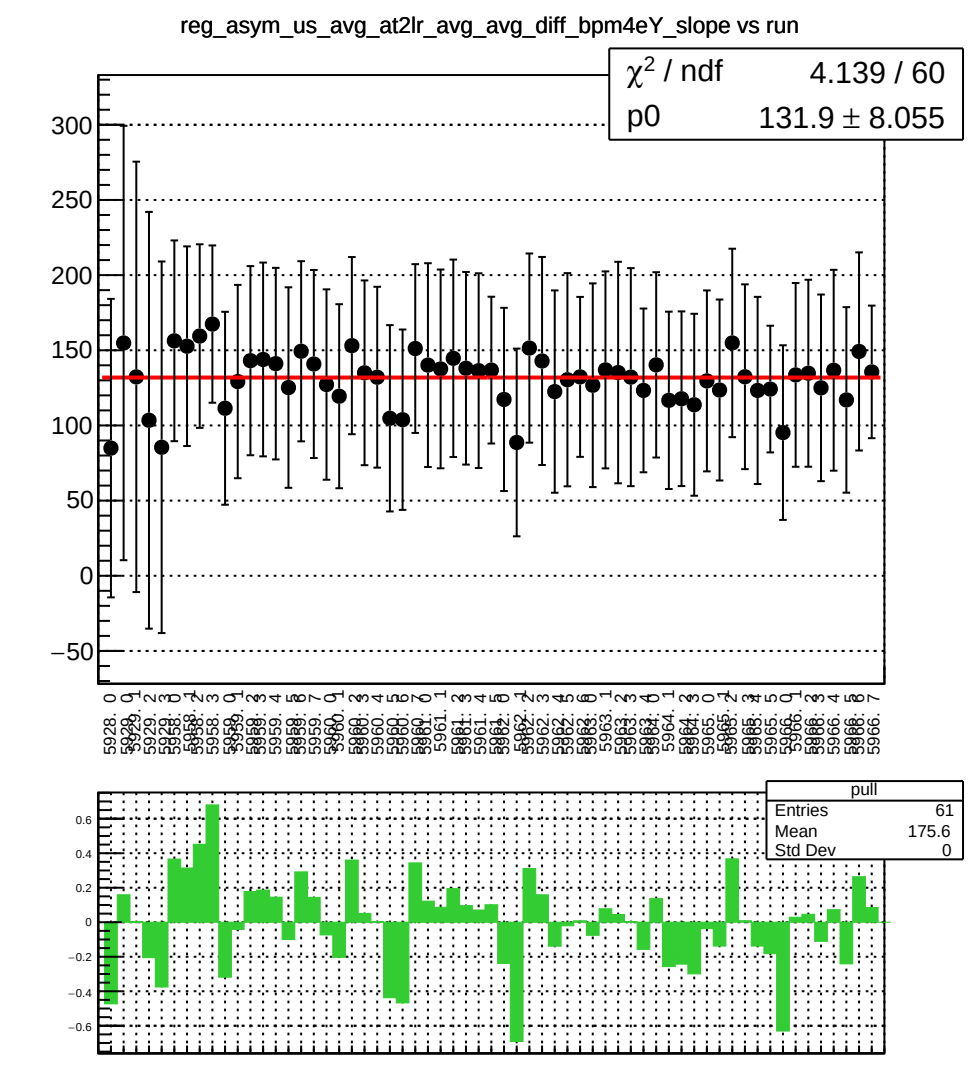

pull1D
Entries 61
Mean −0.009442
Std Dev 0.5466

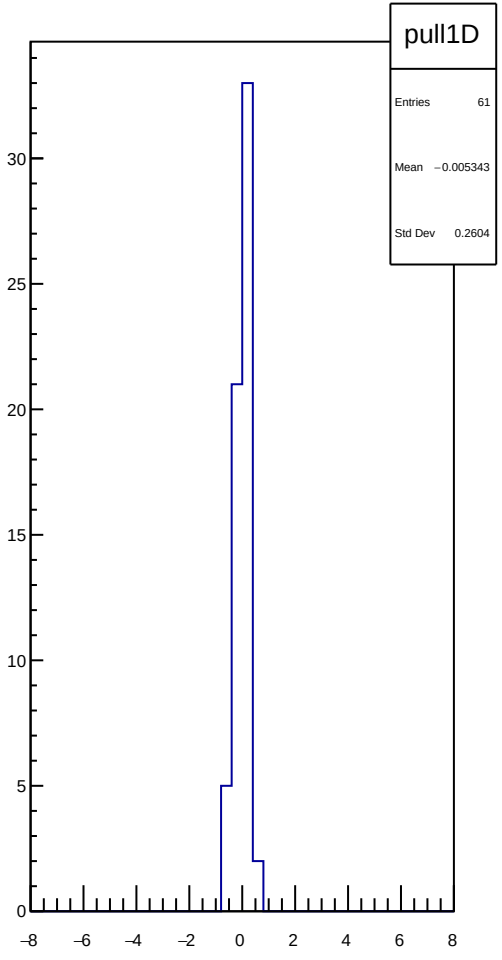

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.749 / 60
p0 1.331 ± 6.26
pull
Entries 61
Mean 110.2
Std Dev 0

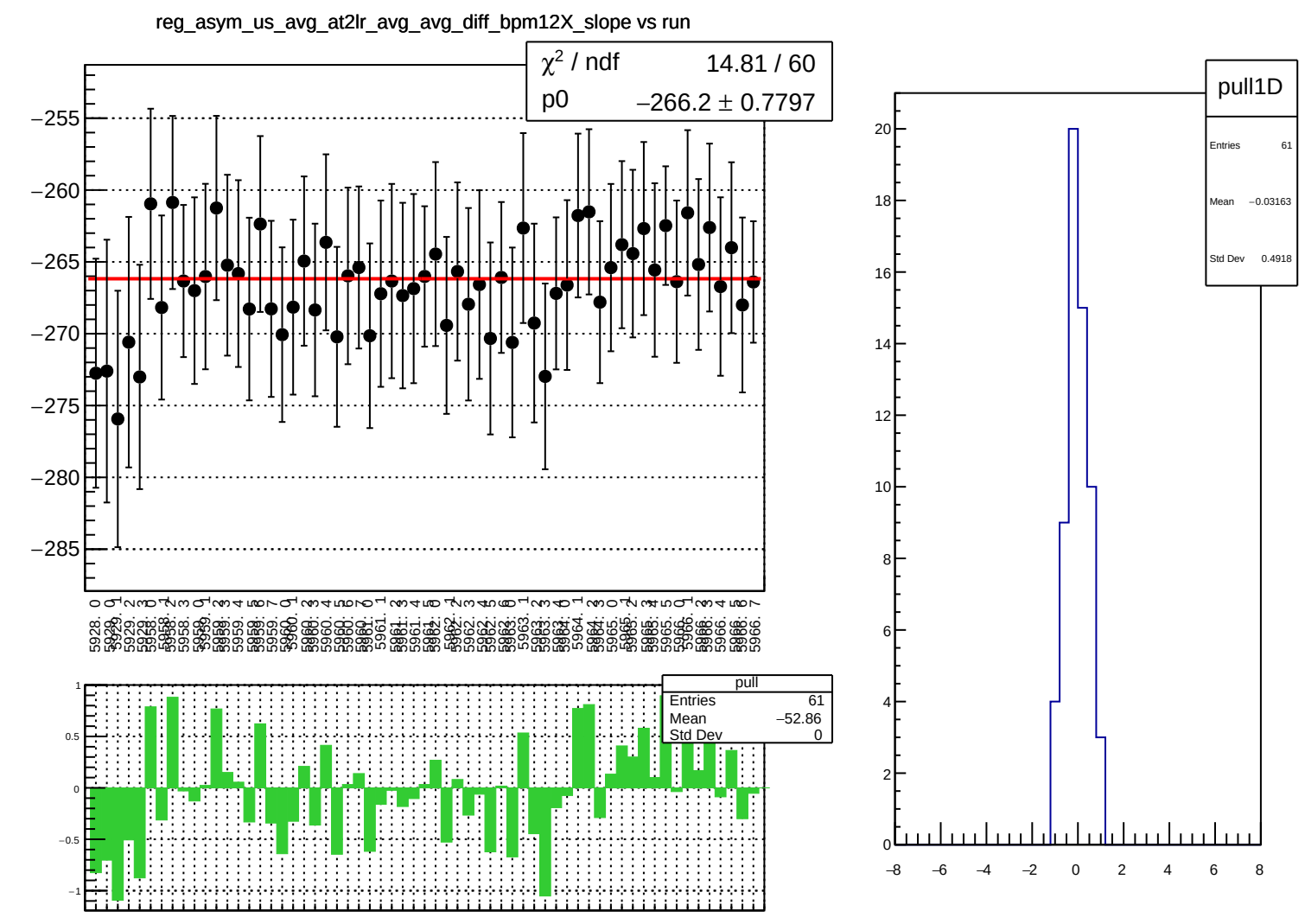

pull1D
Entries 61
Mean 0.005859
Std Dev 0.2479

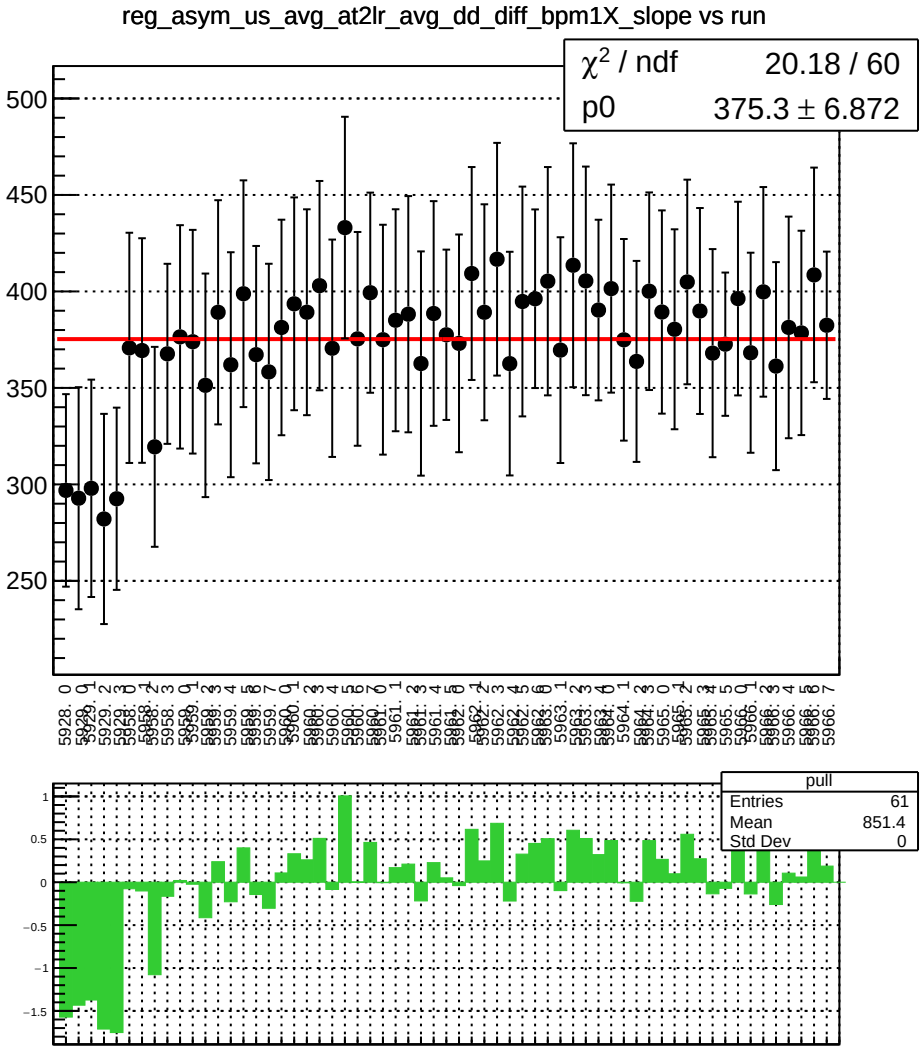

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.81 / 60
p0 600.5 ± 9.793
pull
Entries 61
Mean −15.82
Std Dev 0

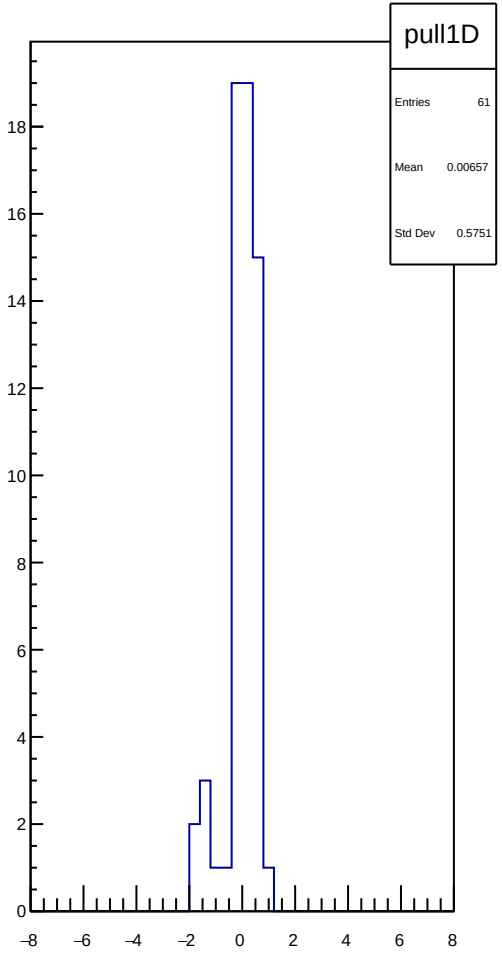

pull1D
Entries 61
Mean 0.03396
Std Dev 0.457

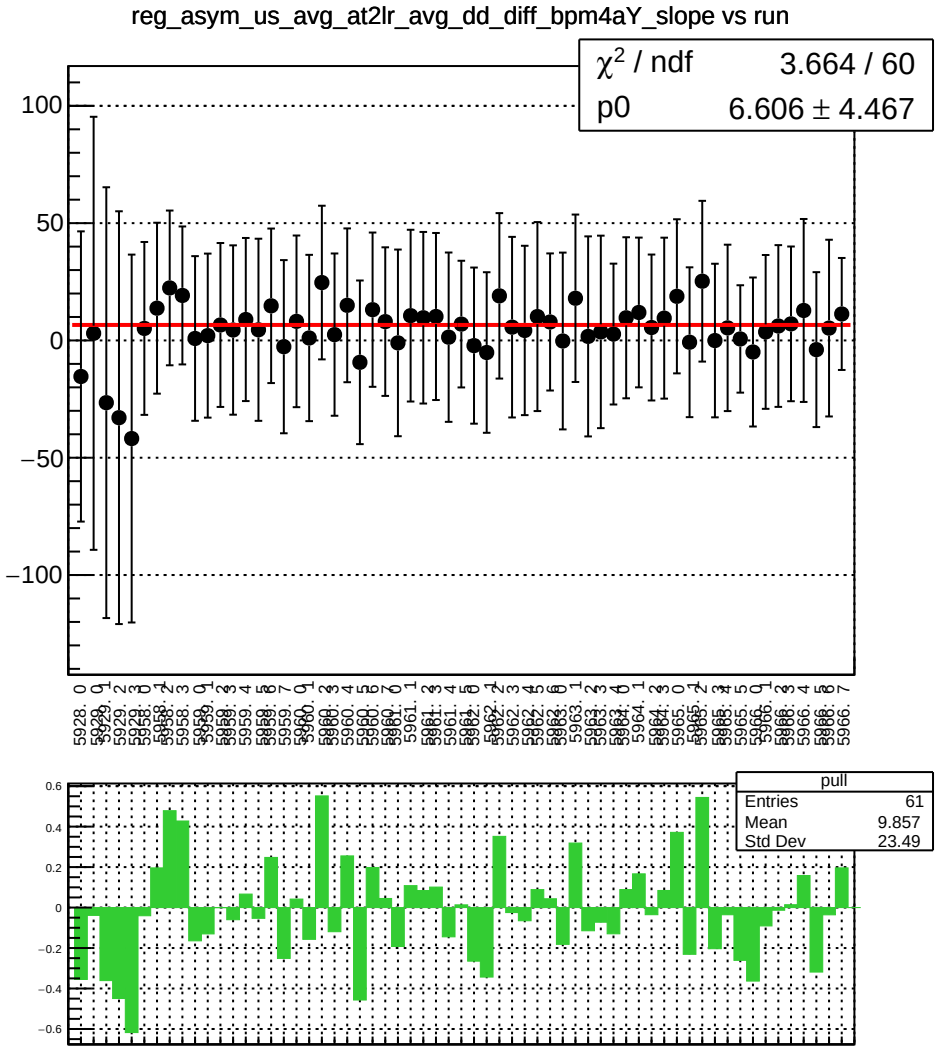

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.139 / 60
p0 131.9 ± 8.055
pull
Entries 61
Mean 175.6
Std Dev 0

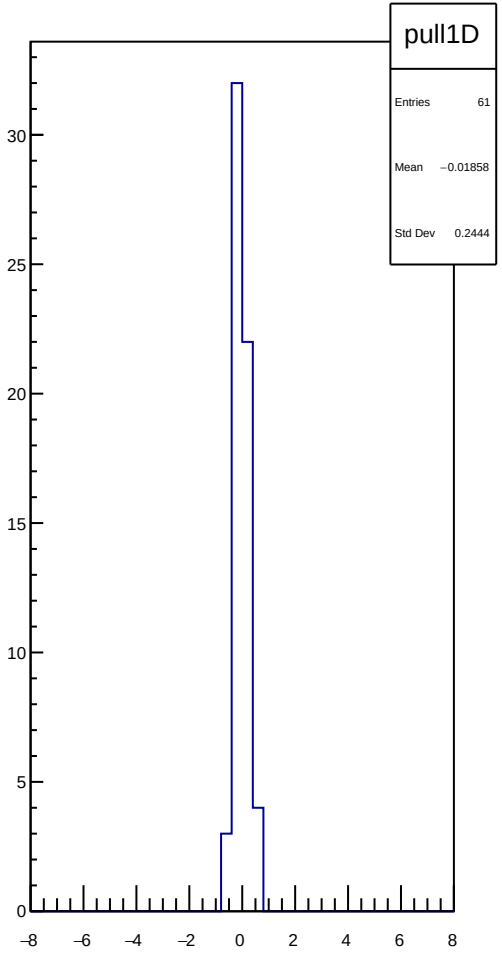

pull1D
Entries 61
Mean −0.005343
Std Dev 0.2604

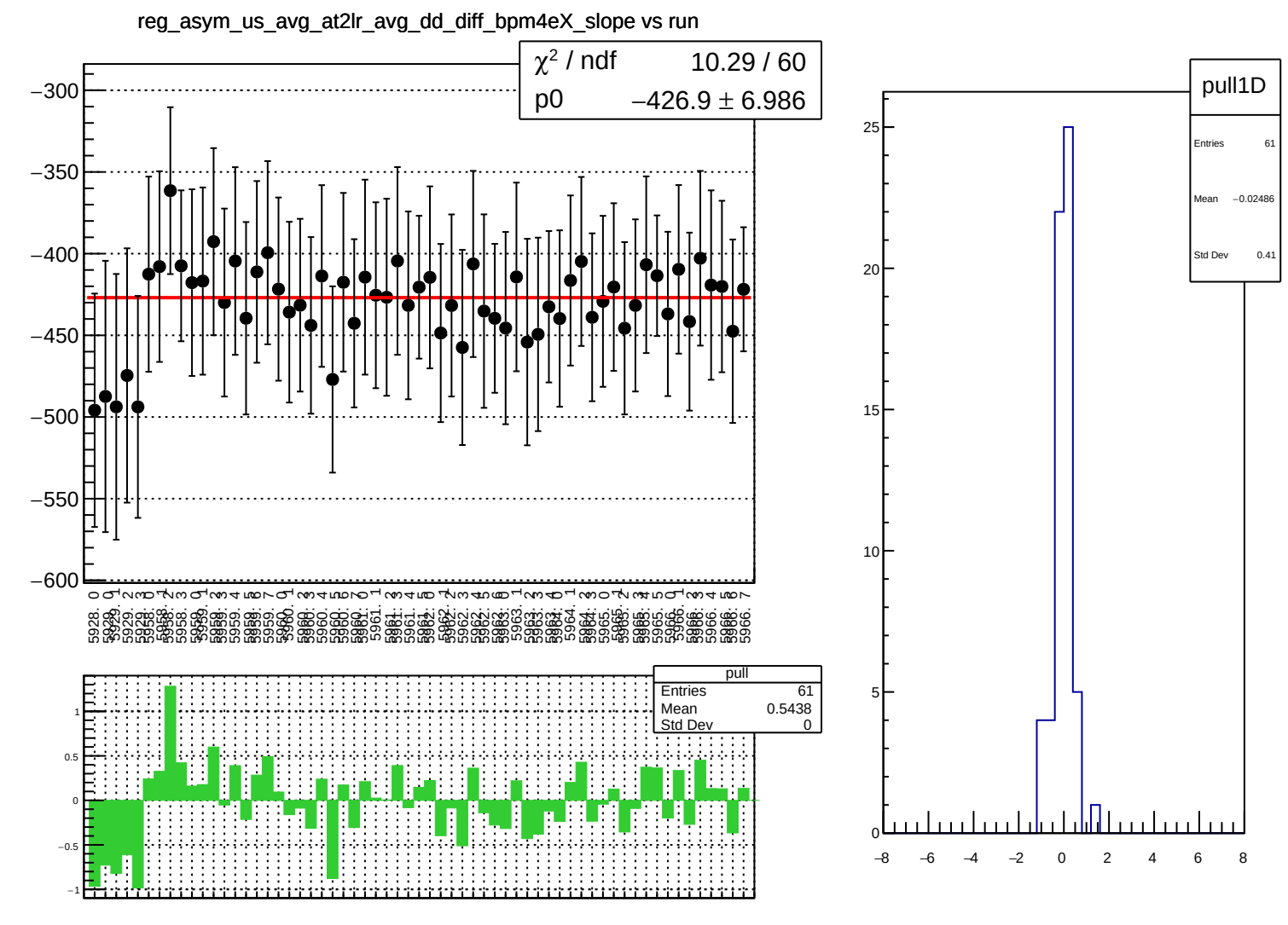

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.81 / 60
p0 −266.2 ± 0.7797
pull
Entries 61
Mean −52.86
Std Dev 0
pull1D
Entries 61
Mean −0.03163
Std Dev 0.4918

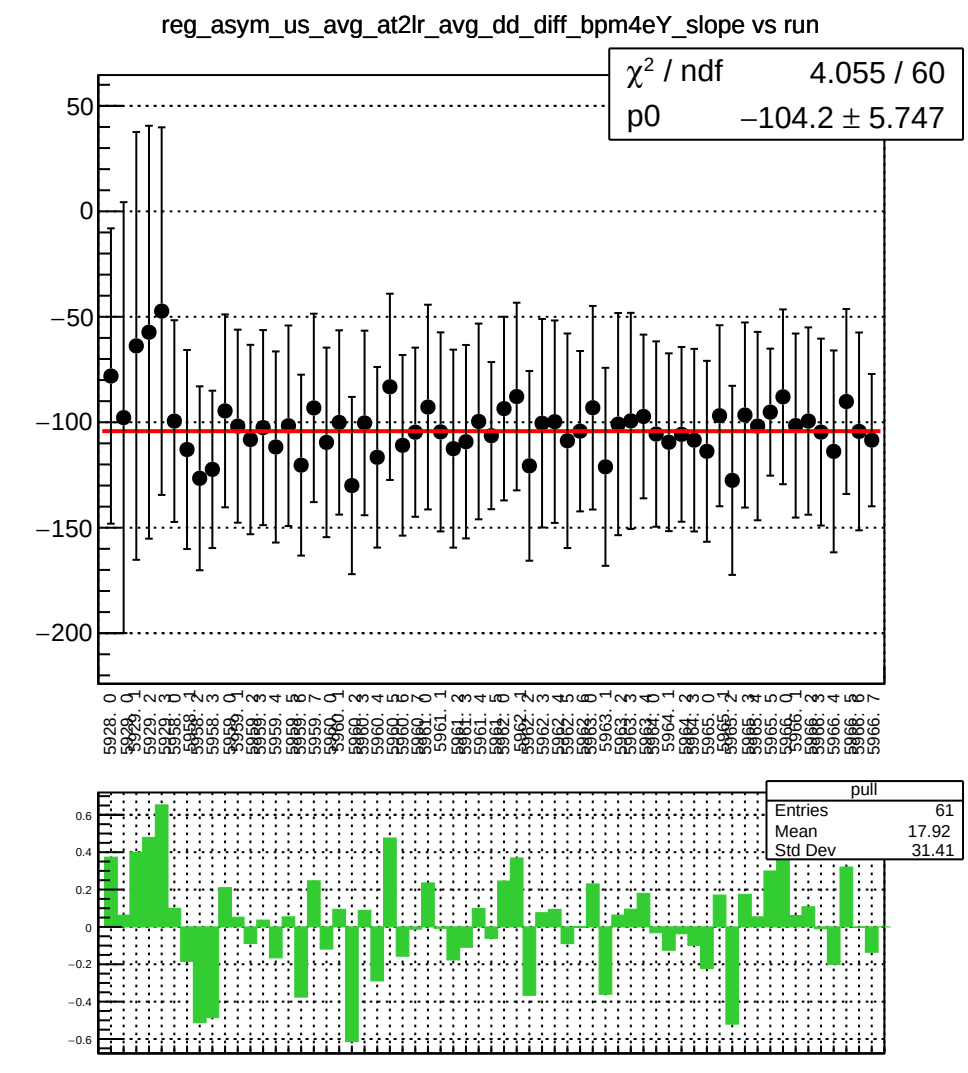

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 20.18 / 60
p0 375.3 ± 6.872
pull
Entries 61
Mean 851.4
Std Dev 0

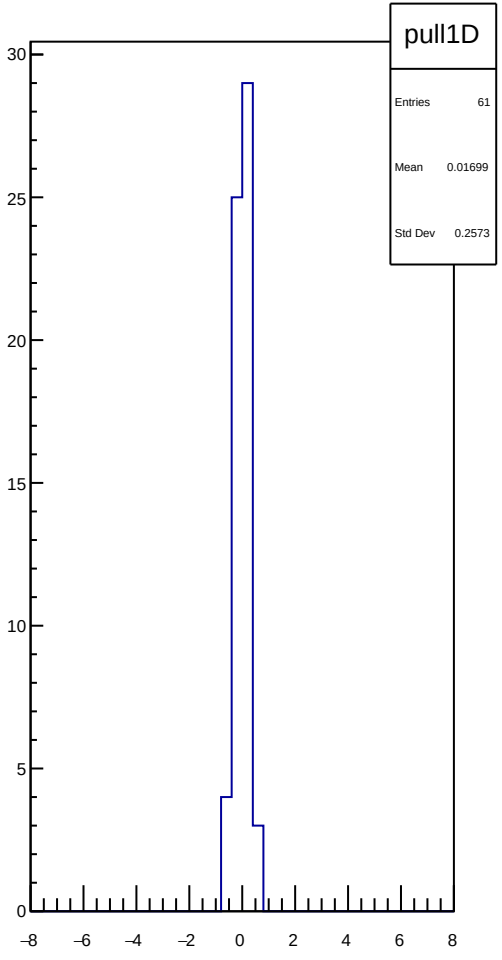

pull1D
Entries 61
Mean 0.00657
Std Dev 0.5751

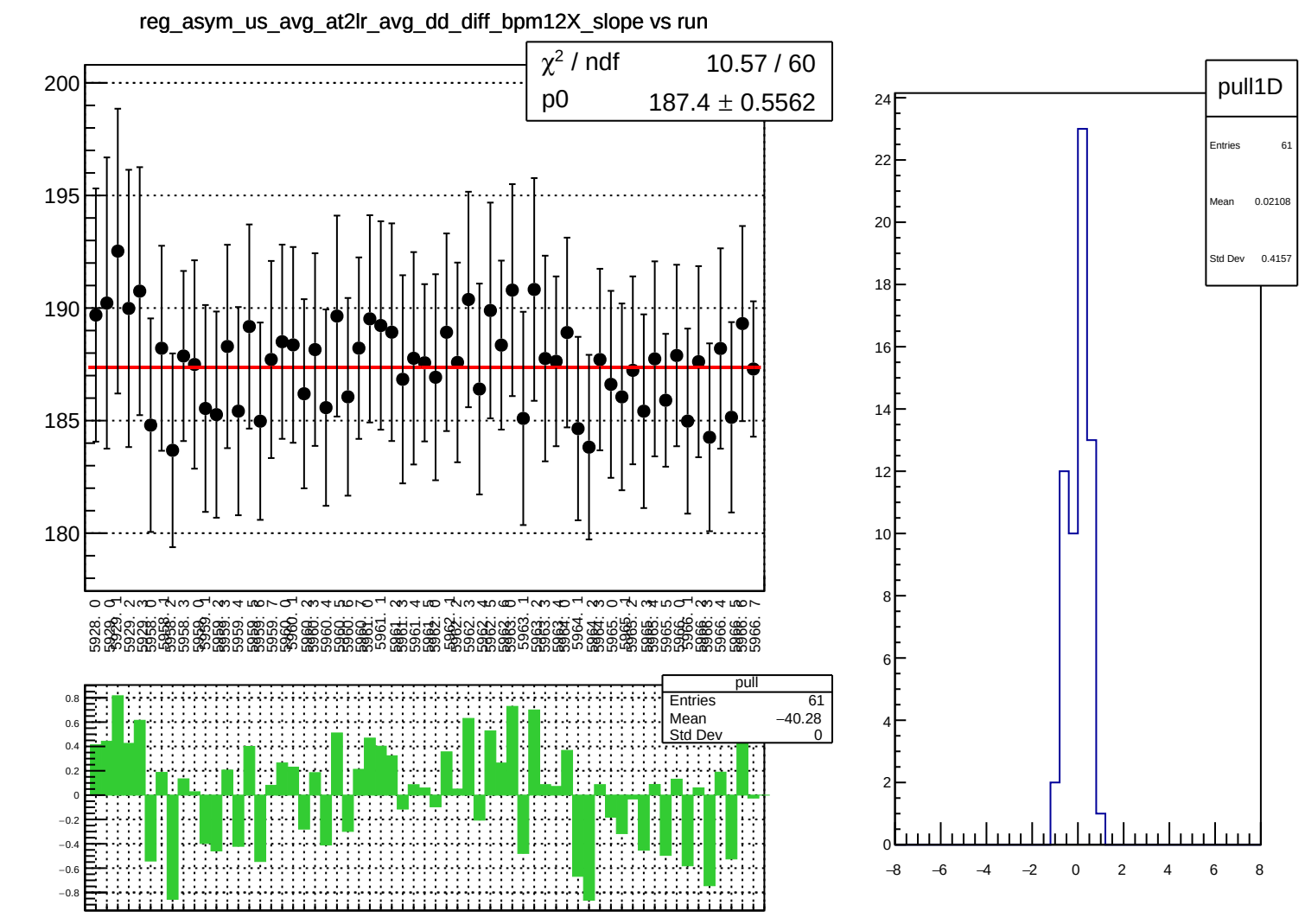

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.664 / 60
p0 6.606 ± 4.467
pull
Entries 61
Mean 9.857
Std Dev 23.49

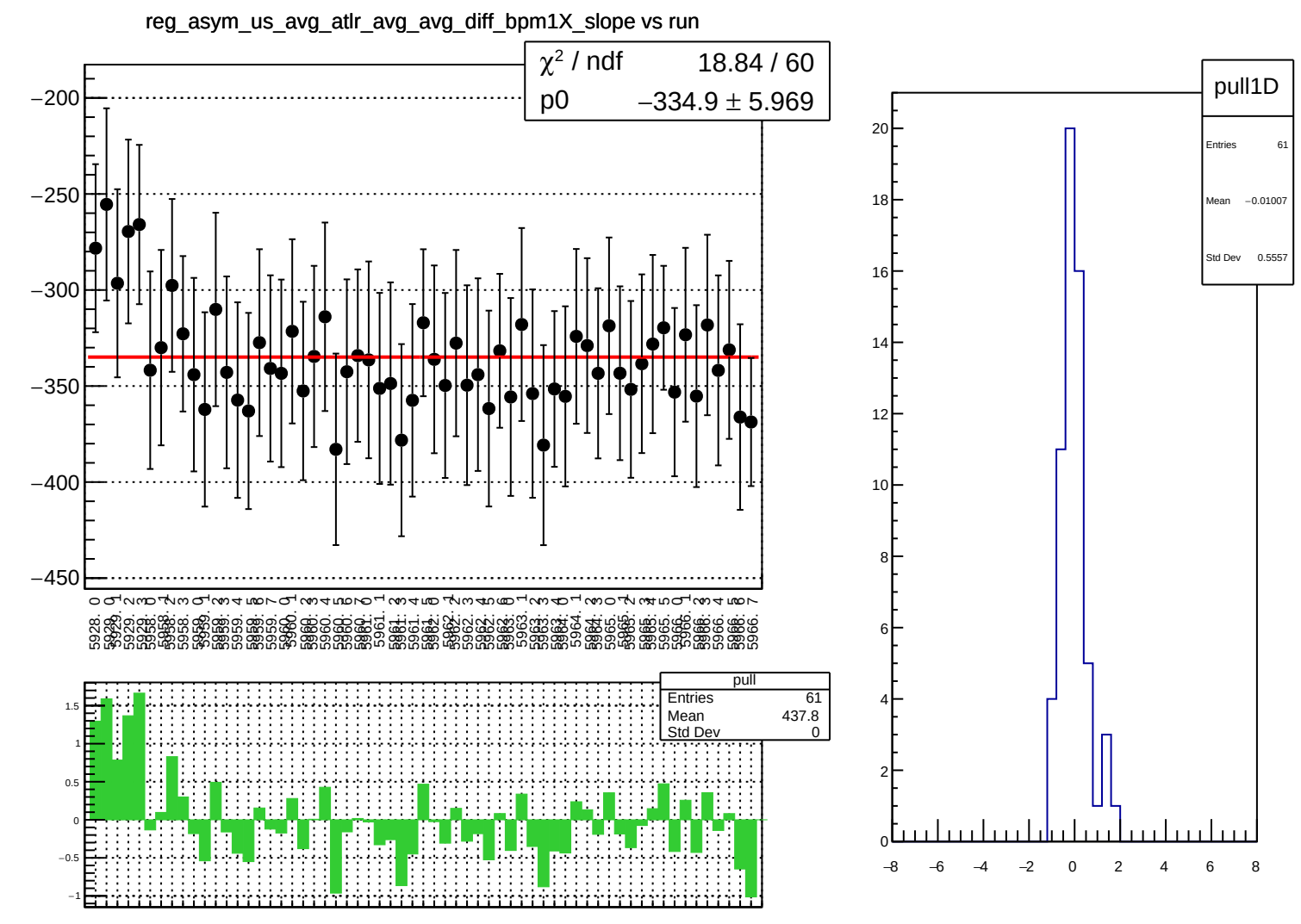

pull1D
Entries 61
Mean −0.01858
Std Dev 0.2444

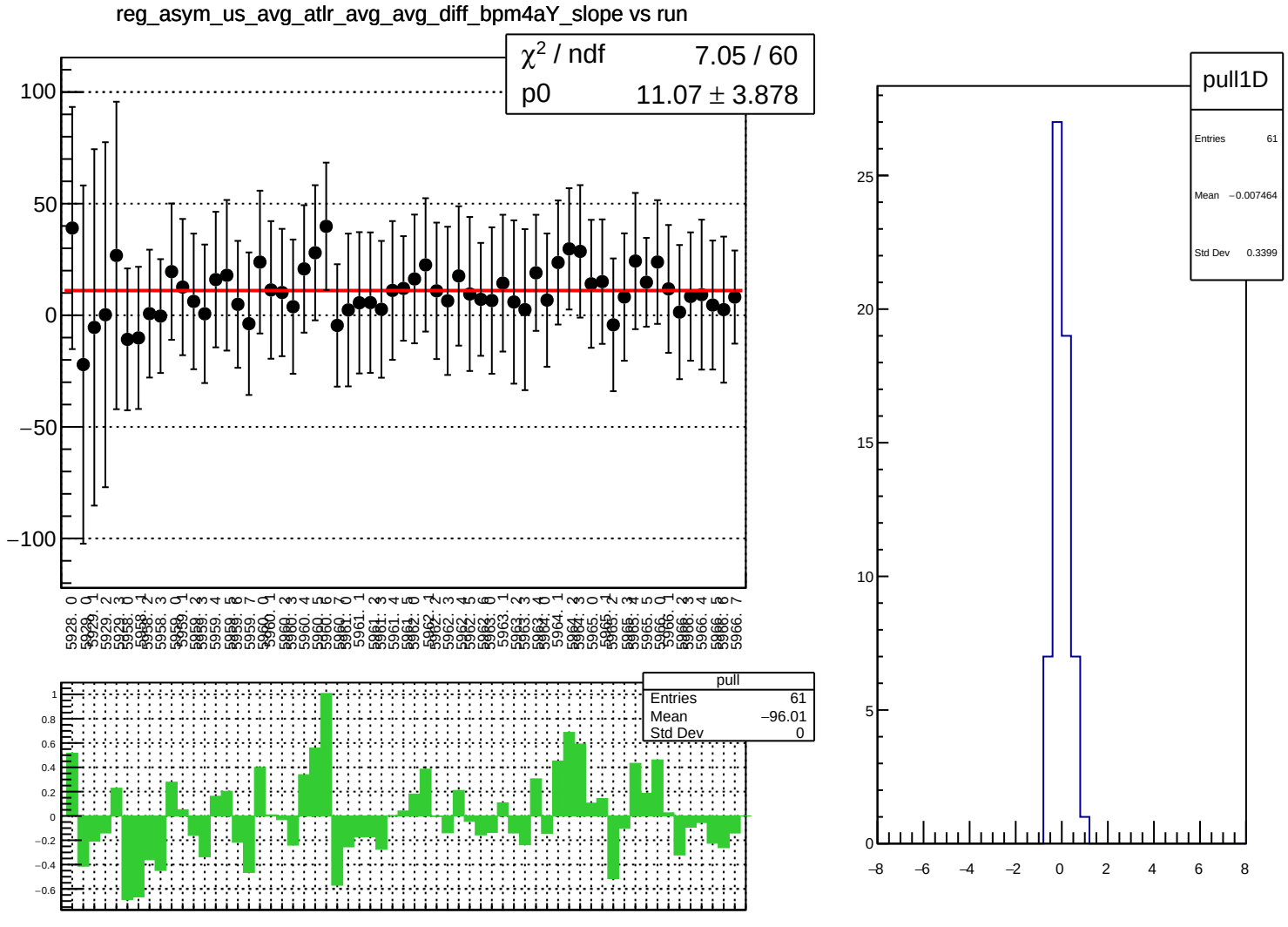

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.29 / 60
p0 −426.9 ± 6.986
pull
Entries 61
Mean 0.5438
Std Dev 0
pull1D
Entries 61
Mean −0.02486
Std Dev 0.41

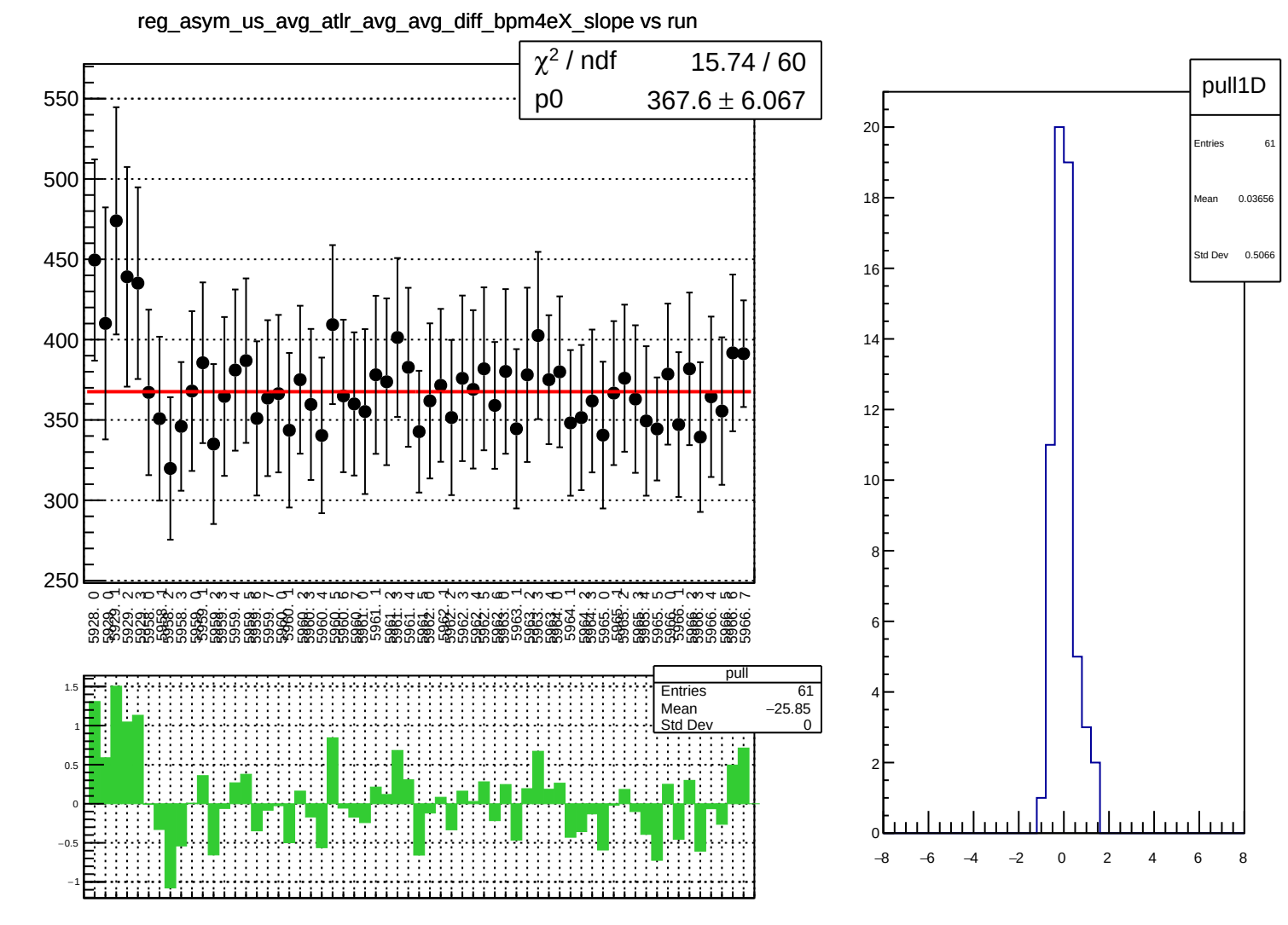

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.055 / 60
p0 −104.2 ± 5.747
pull
Entries 61
Mean 17.92
Std Dev 31.41

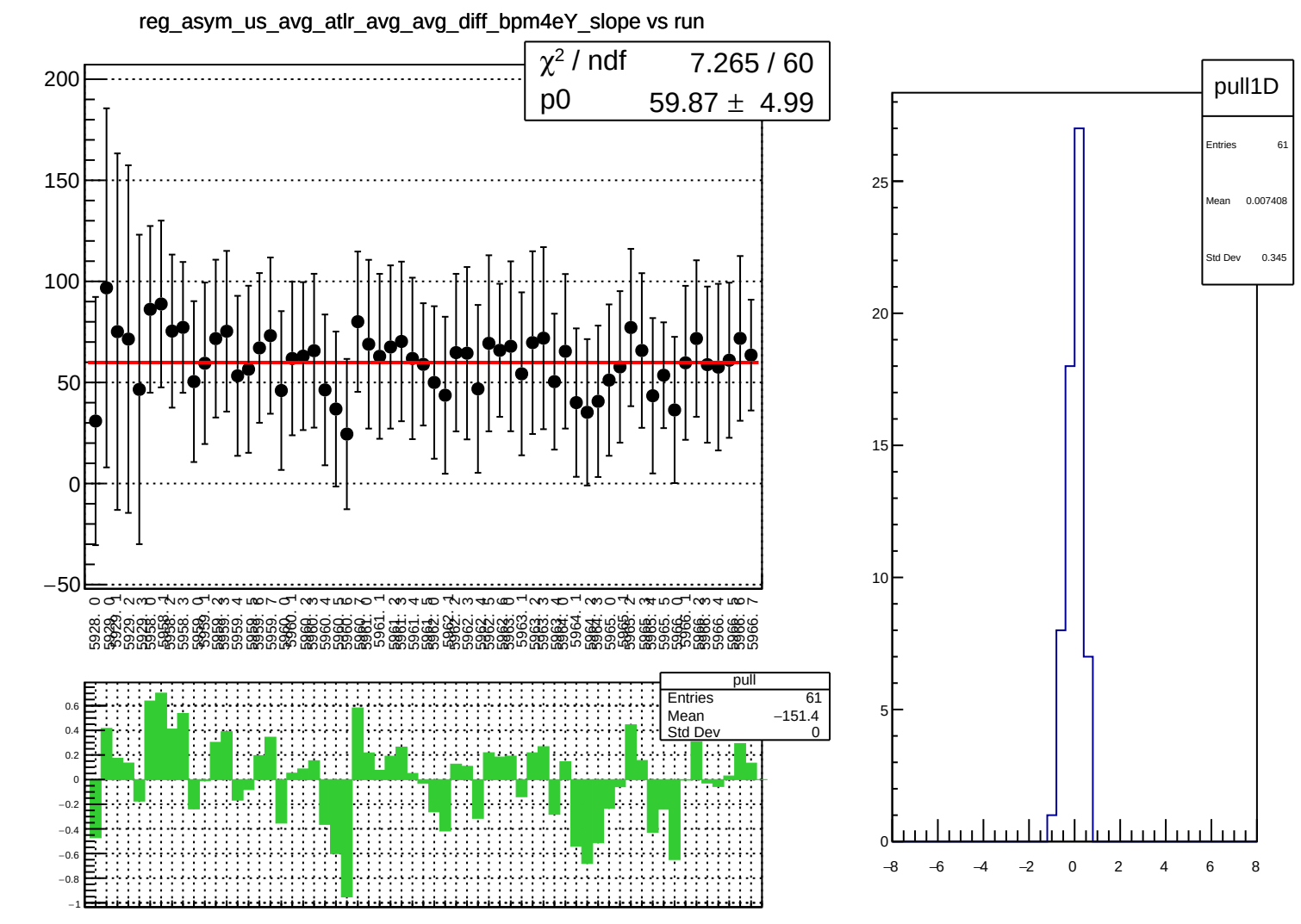

pull1D
Entries 61
Mean 0.01699
Std Dev 0.2573

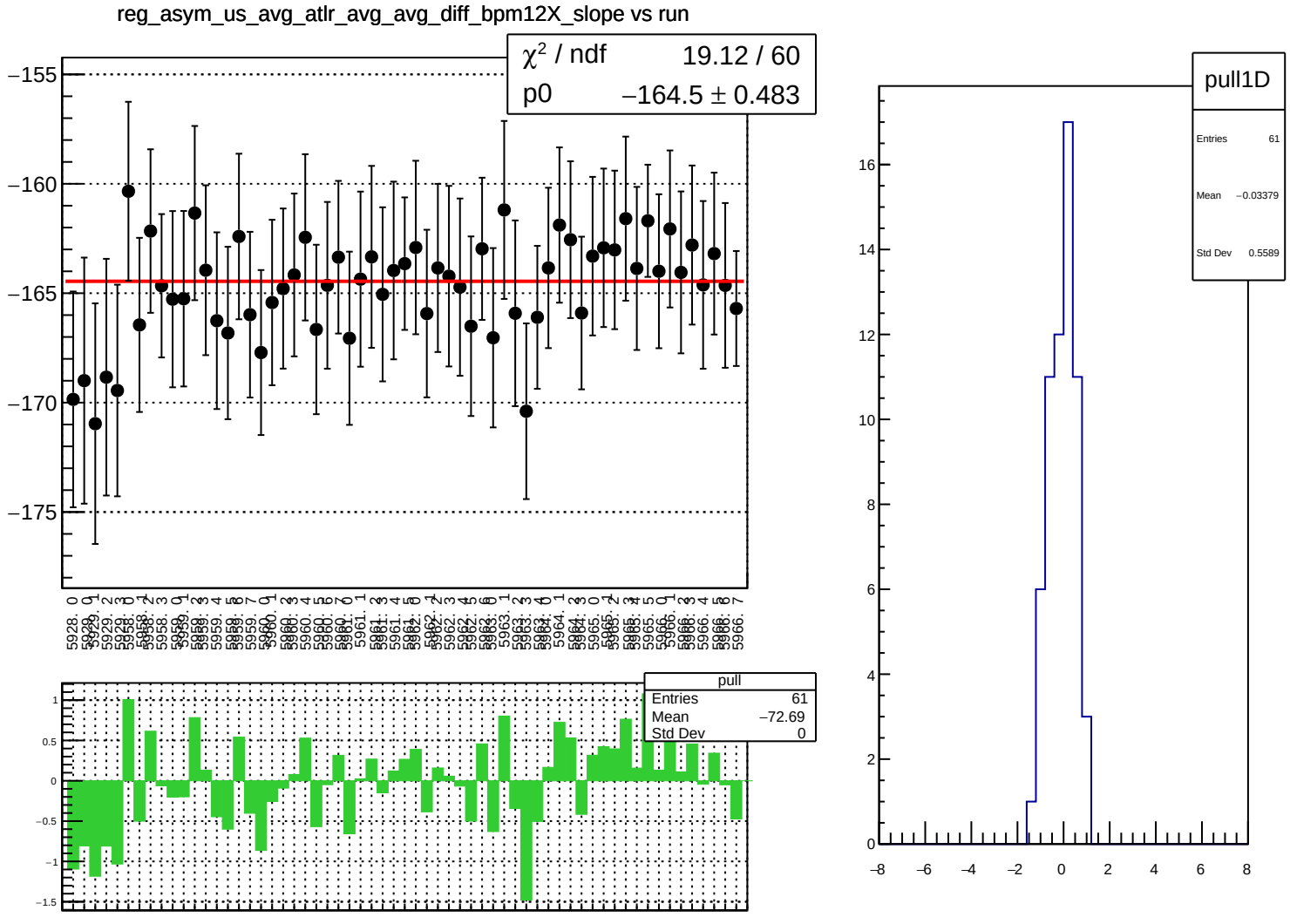

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 10.57 / 60
p0 187.4 ± 0.5562
200
195
190
185
180
pull
Entries 61
Mean −40.28
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 61
Mean 0.02108
Std Dev 0.4157
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

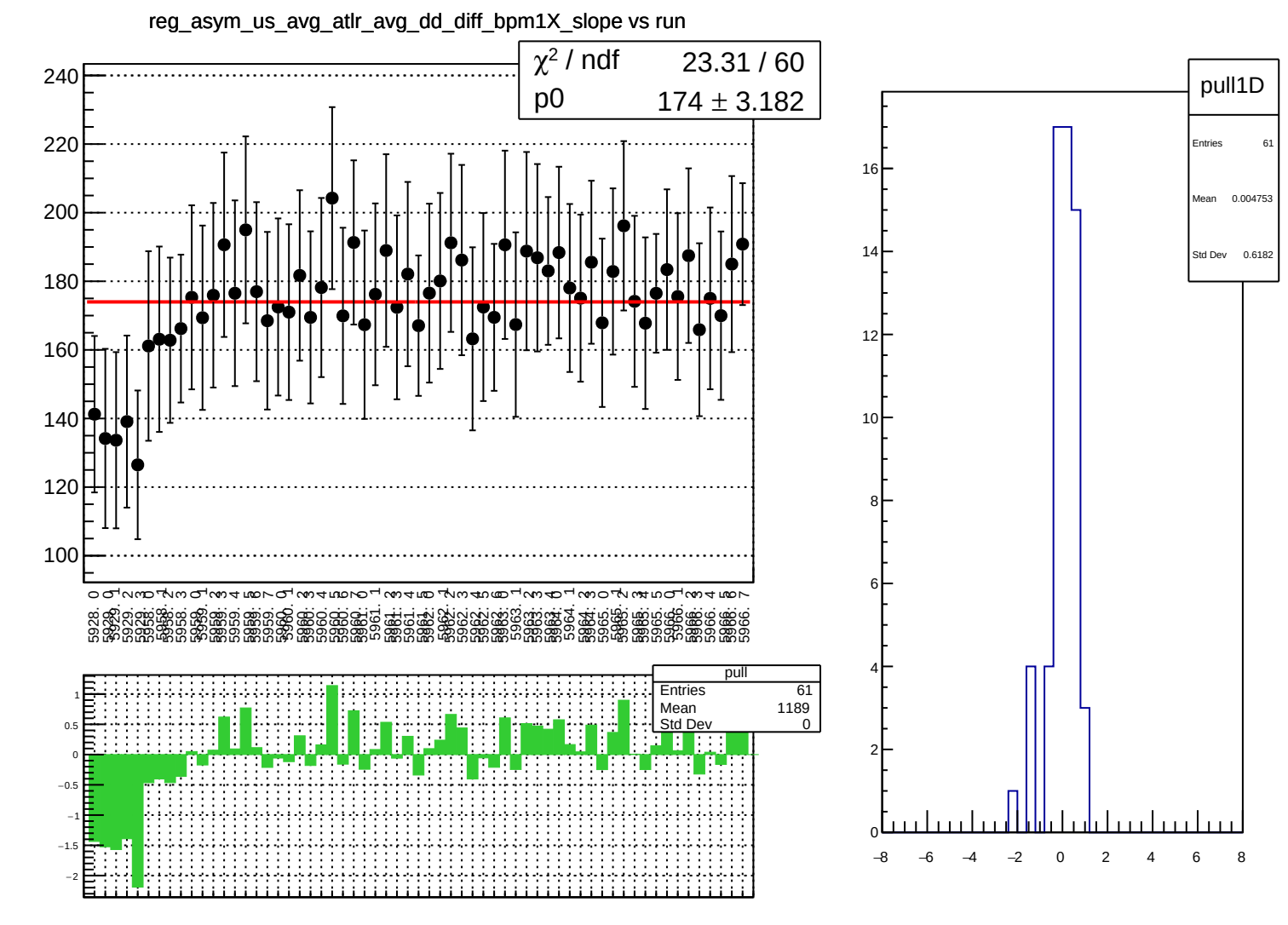

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 18.84 / 60
p0 −334.9 ± 5.969
pull
Entries 61
Mean 437.8
Std Dev 0
pull1D
Entries 61
Mean −0.01007
Std Dev 0.5557

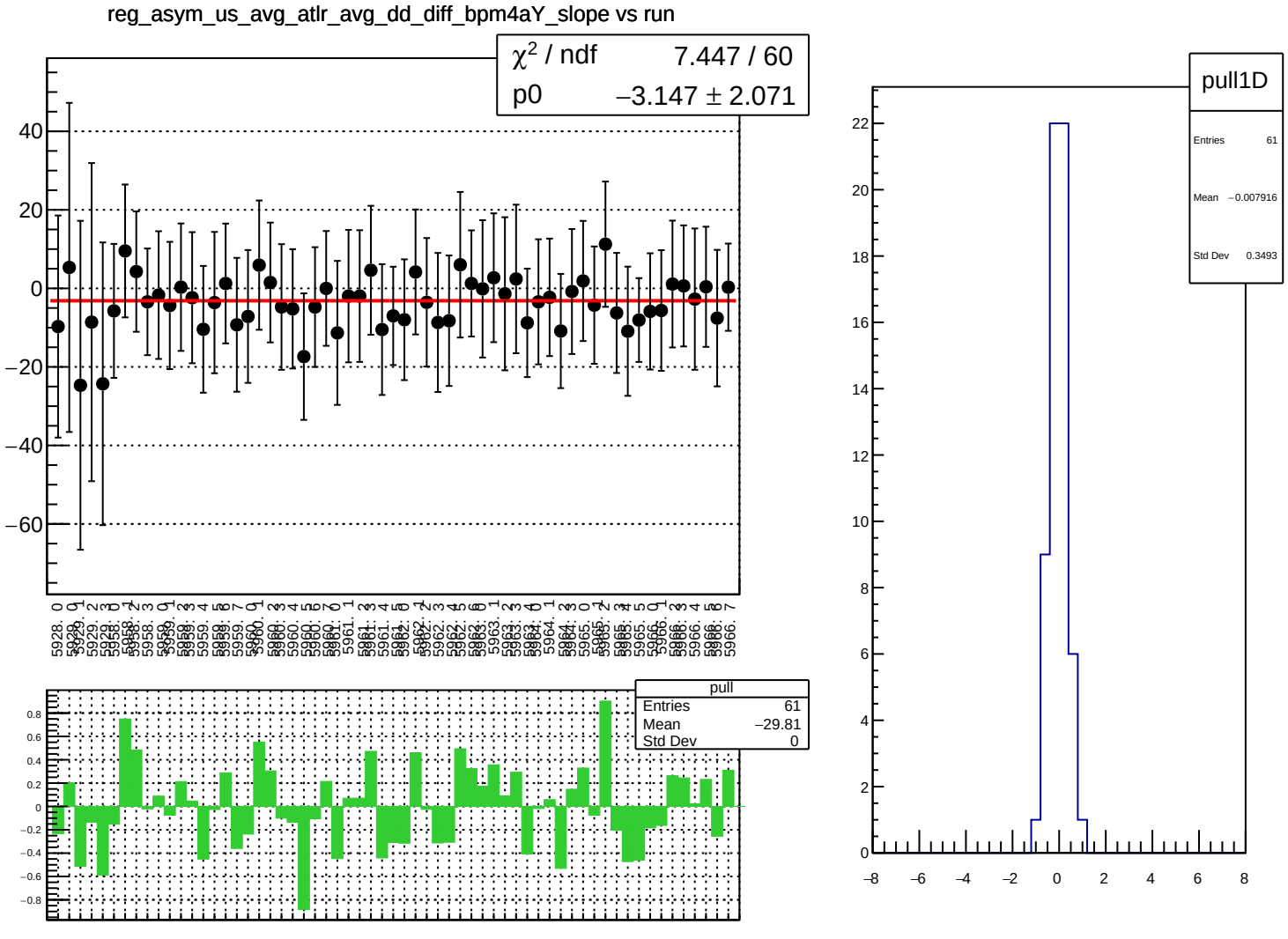

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.05 / 60
p0 11.07 ± 3.878
pull
Entries 61
Mean −96.01
Std Dev 0
pull1D
Entries 61
Mean −0.007464
Std Dev 0.3399

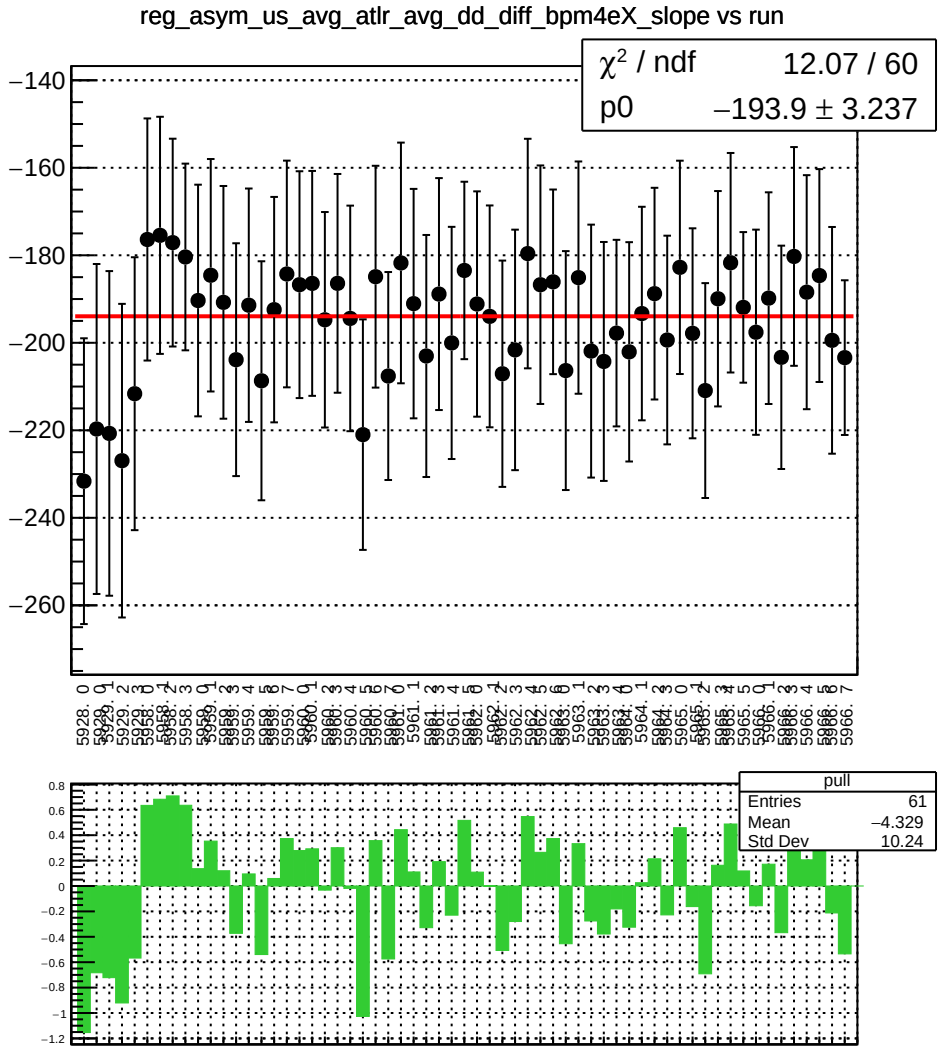

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.74 / 60
p0 367.6 ± 6.067
pull
Entries 61
Mean −25.85
Std Dev 0
pull1D
Entries 61
Mean 0.03656
Std Dev 0.5066

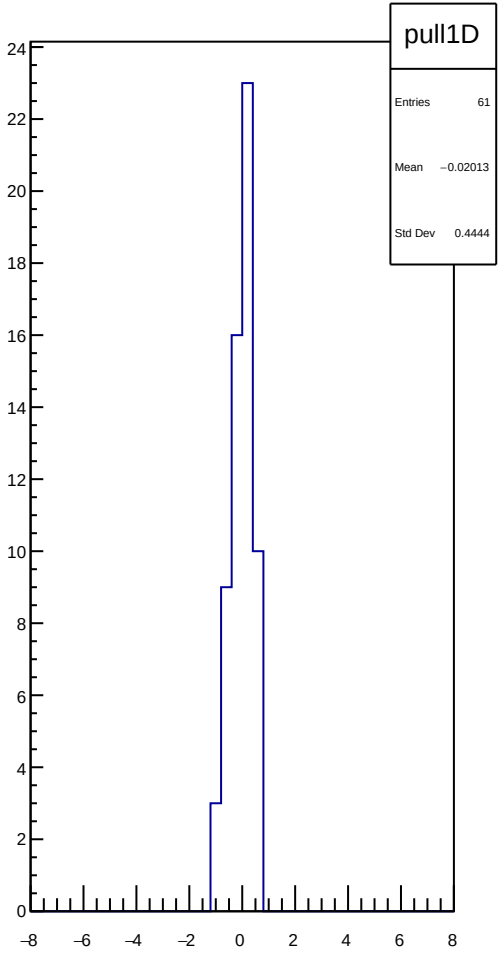

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.265 / 60
p0 59.87 ± 4.99
pull
Entries 61
Mean −151.4
Std Dev 0
pull1D
Entries 61
Mean 0.007408
Std Dev 0.345

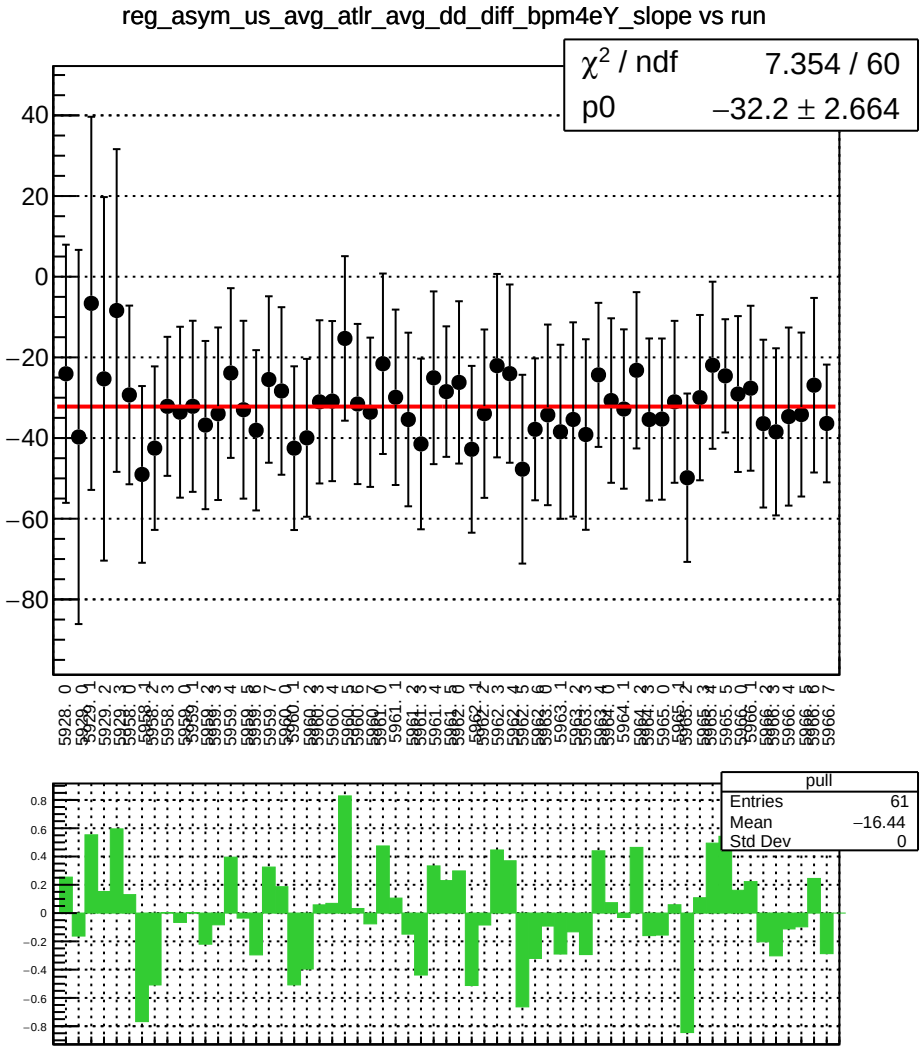

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.12 / 60
p0 −164.5 ± 0.483
−155
−160
−165
−170
−175
pull
Entries 61
Mean −72.69
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean −0.03379
Std Dev 0.5589
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

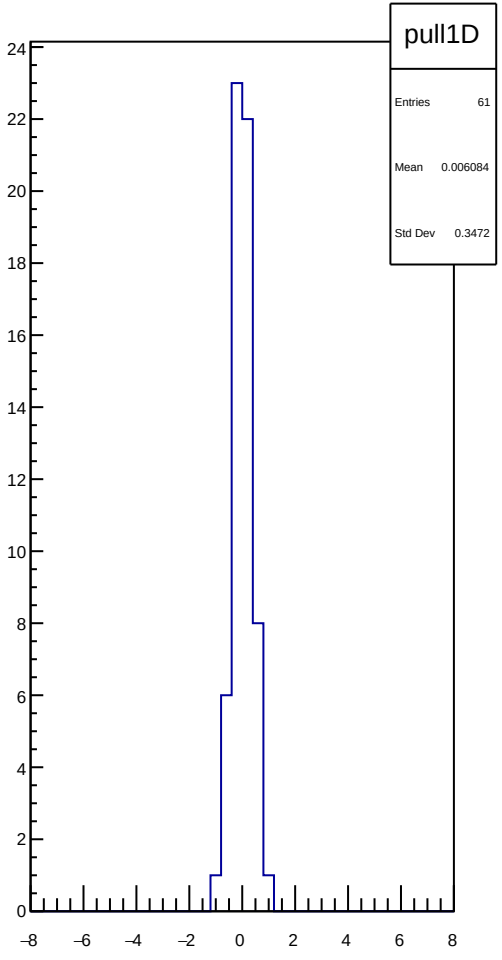

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 23.31 / 60
p0 174 ± 3.182
pull
Entries 61
Mean 1189
Std Dev 0
pull1D
Entries 61
Mean 0.004753
Std Dev 0.6182

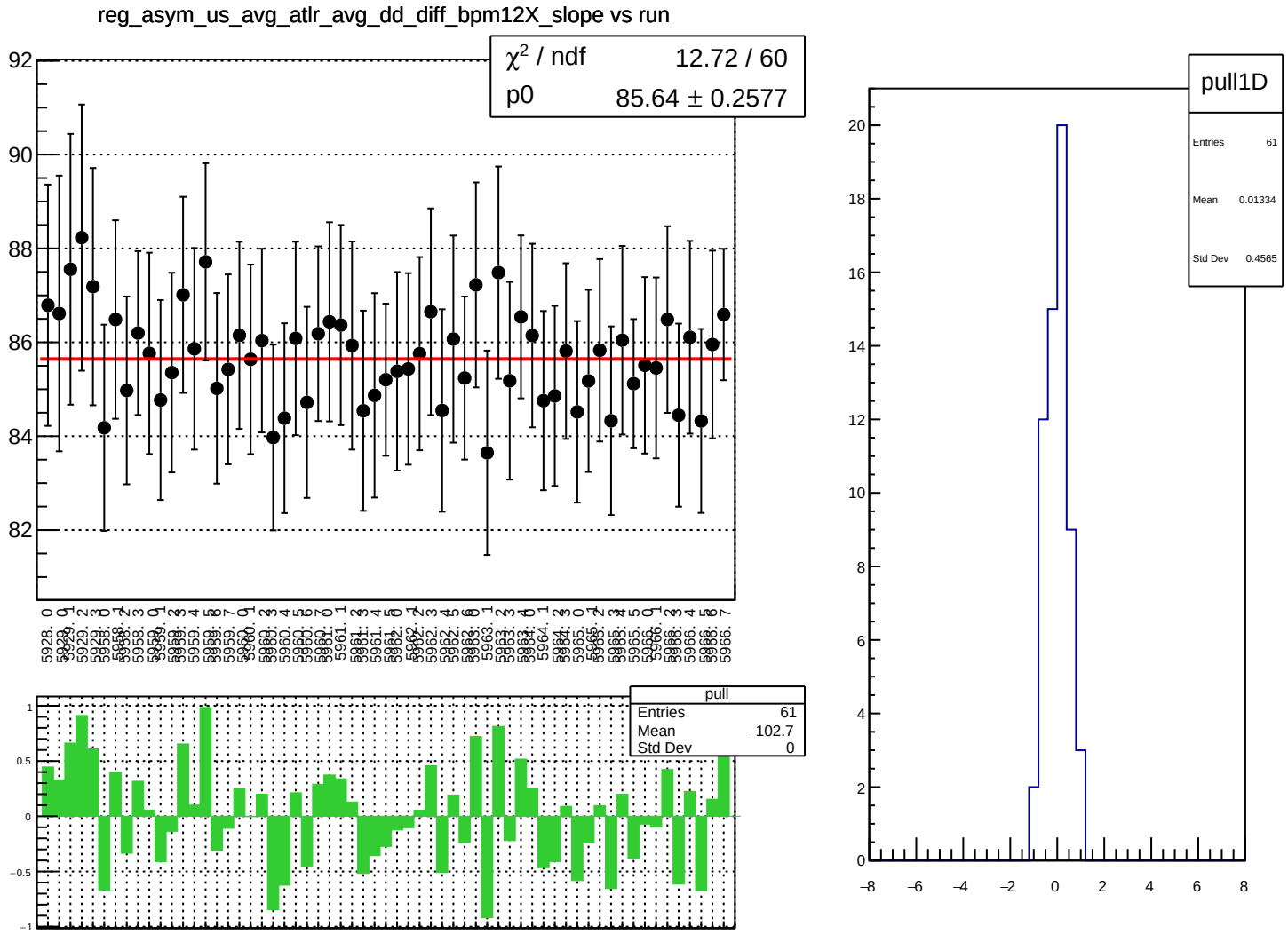

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.447 / 60
p0 −3.147 ± 2.071
pull
Entries 61
Mean −29.81
Std Dev 0
pull1D
Entries 61
Mean −0.007916
Std Dev 0.3493

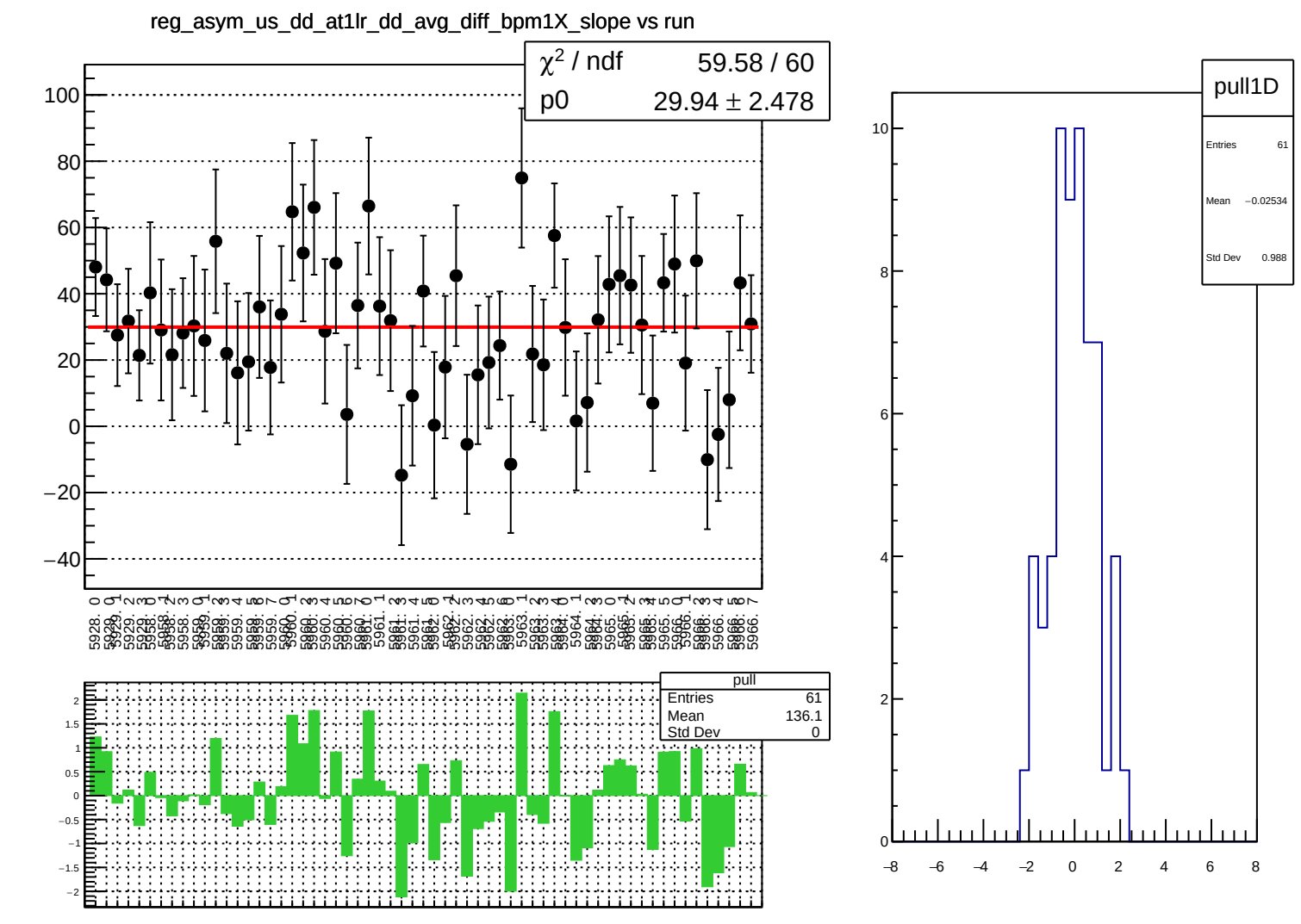

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.07 / 60
p0 −193.9 ± 3.237
pull
Entries 61
Mean −4.329
Std Dev 10.24

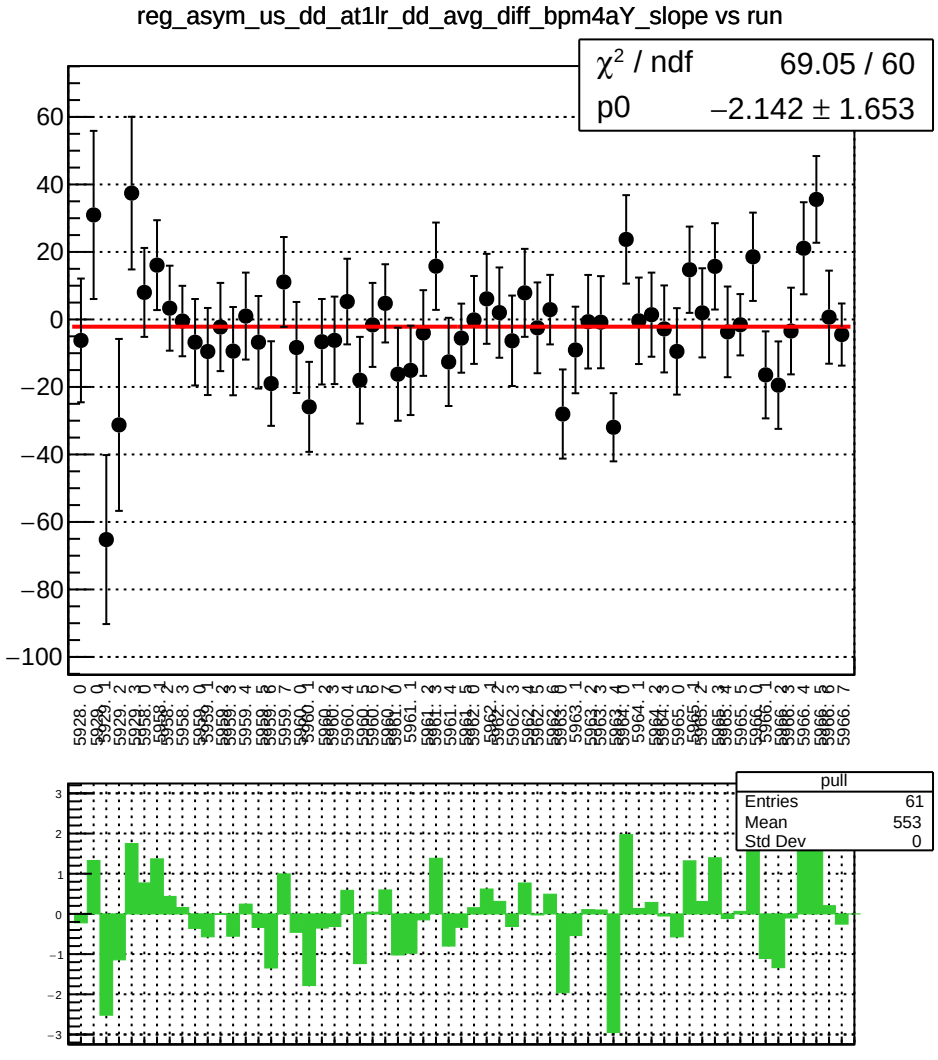

pull1D
Entries 61
Mean −0.02013
Std Dev 0.4444

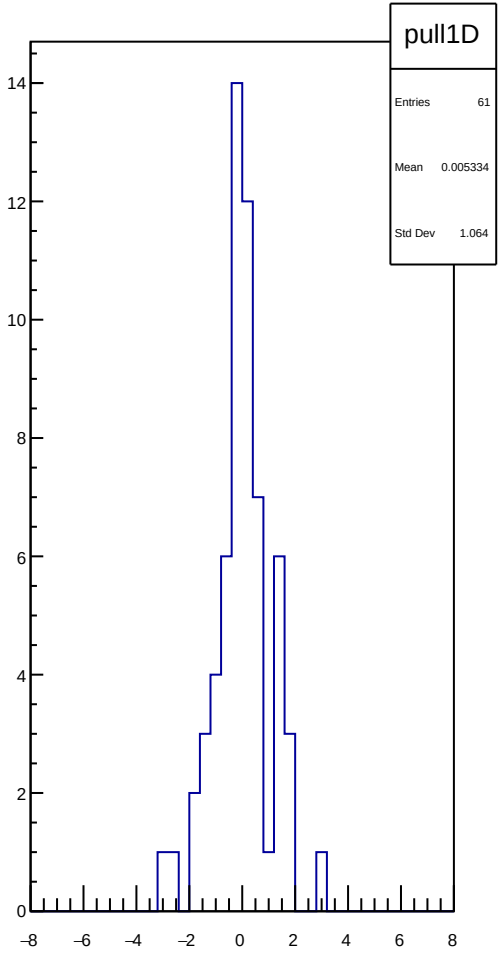

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.354 / 60
p0 −32.2 ± 2.664
pull
Entries 61
Mean −16.44
Std Dev 0

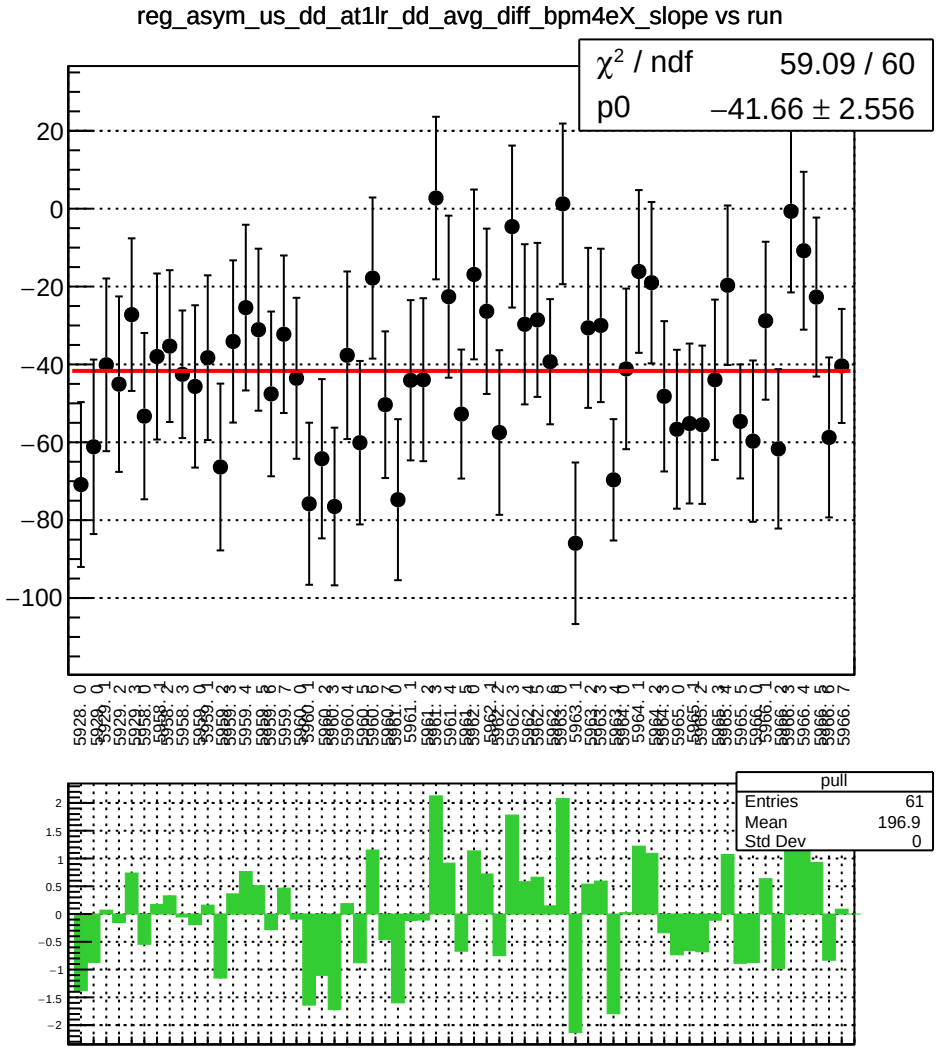

pull1D
Entries 61
Mean 0.006084
Std Dev 0.3472

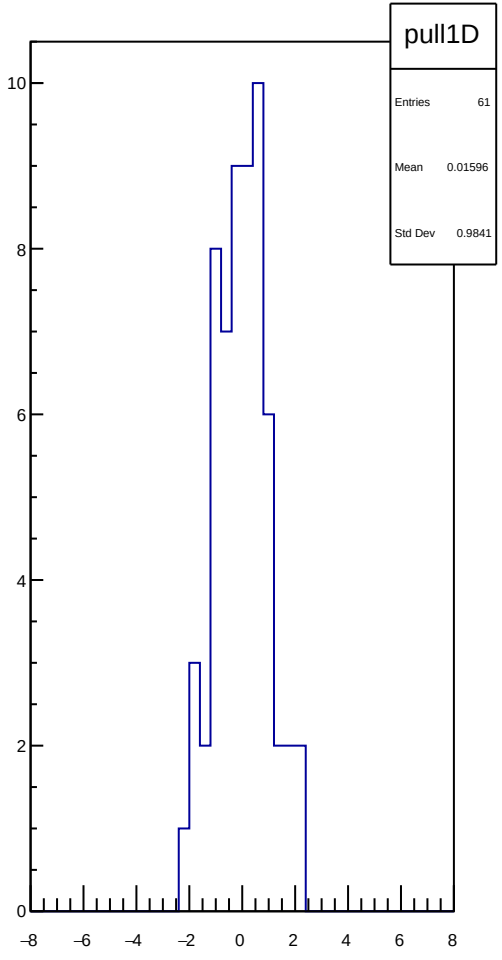

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.72 / 60
p0 85.64 ± 0.2577
pull
Entries 61
Mean −102.7
Std Dev 0
pull1D
Entries 61
Mean 0.01334
Std Dev 0.4565

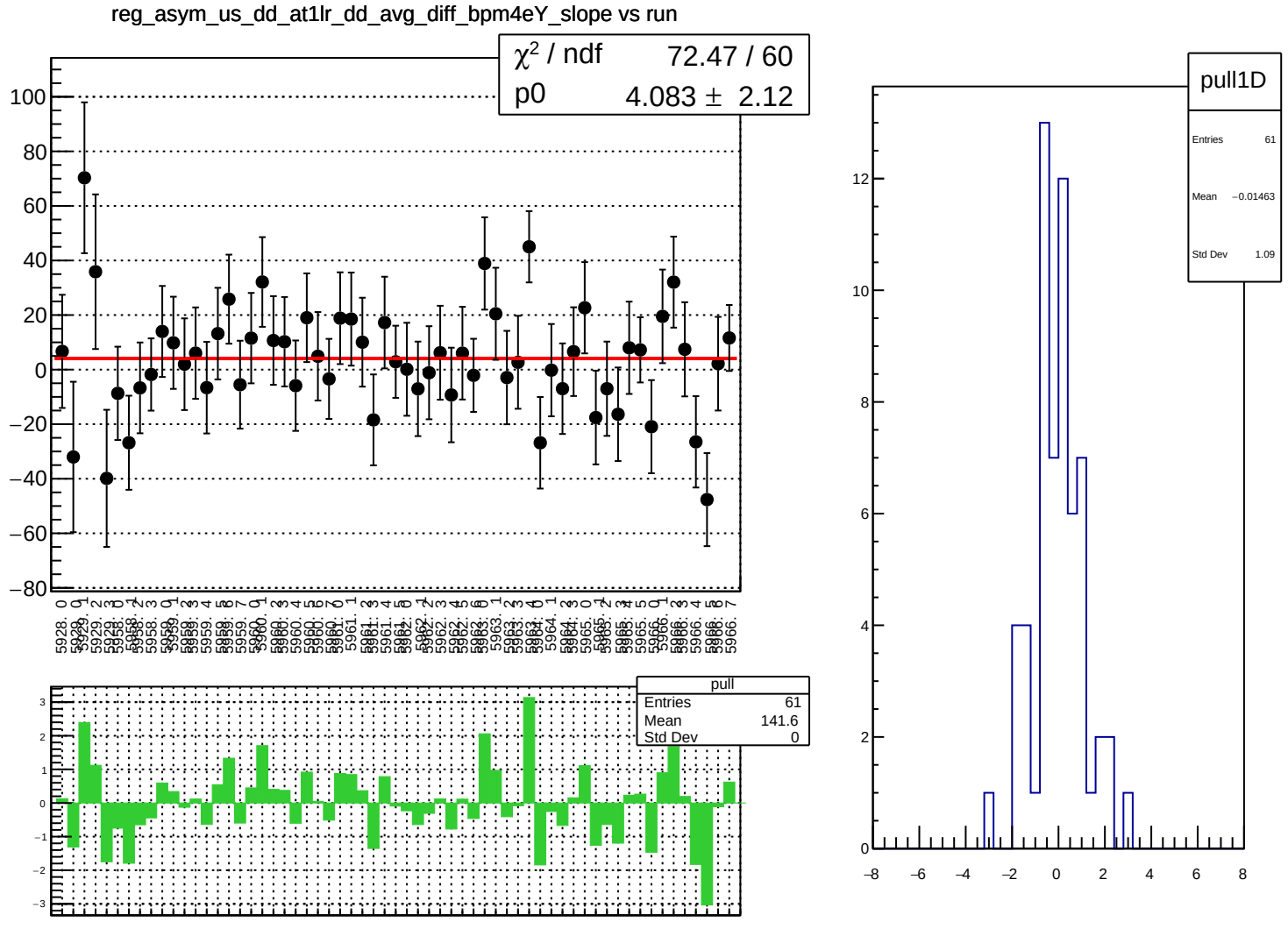

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 59.58 / 60
p0 29.94 ± 2.478
pull
Entries 61
Mean 136.1
Std Dev 0
pull1D
Entries 61
Mean −0.02534
Std Dev 0.988

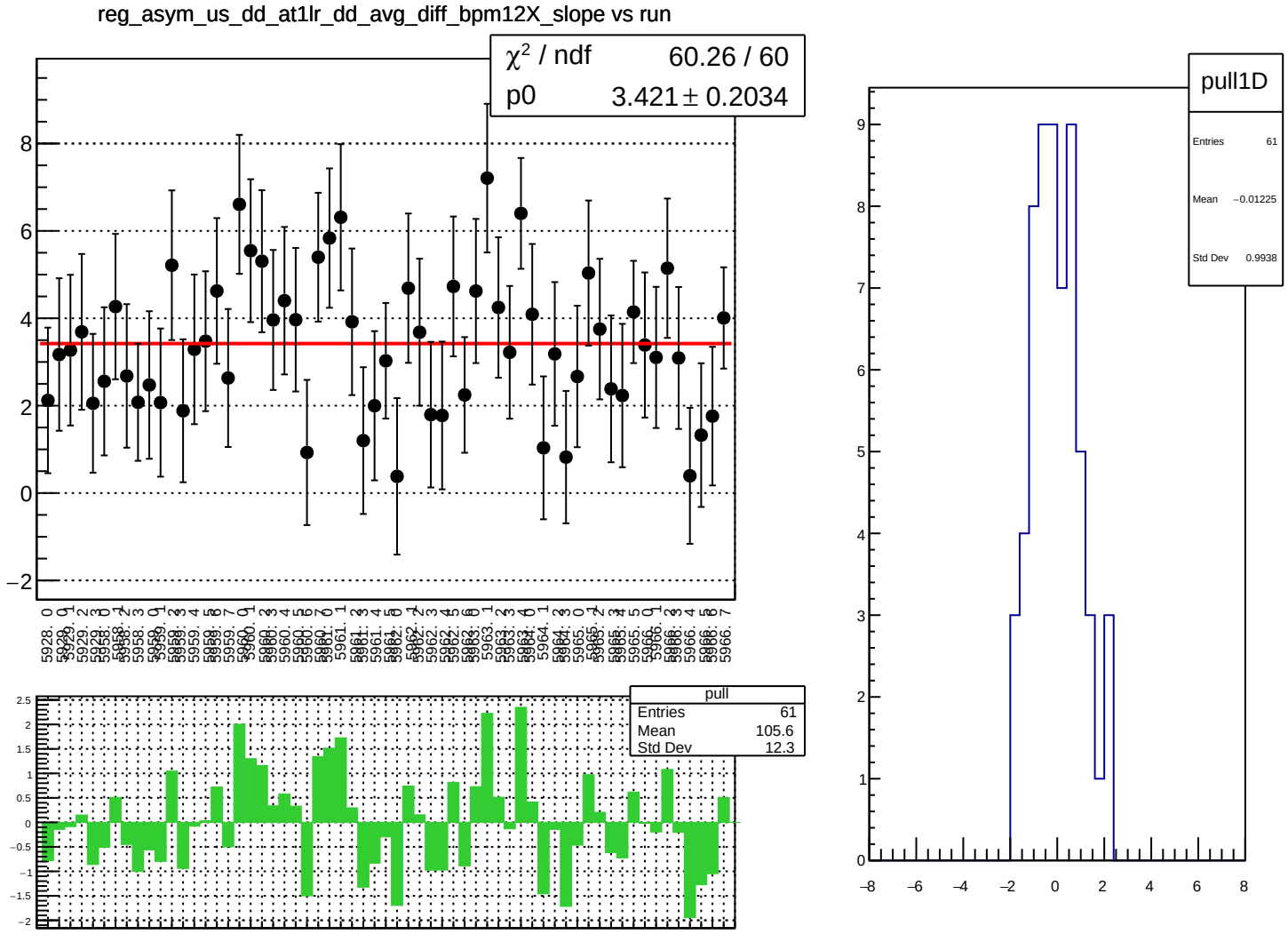

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.05 / 60
p0 −2.142 ± 1.653
pull
Entries 61
Mean 553
Std Dev 0

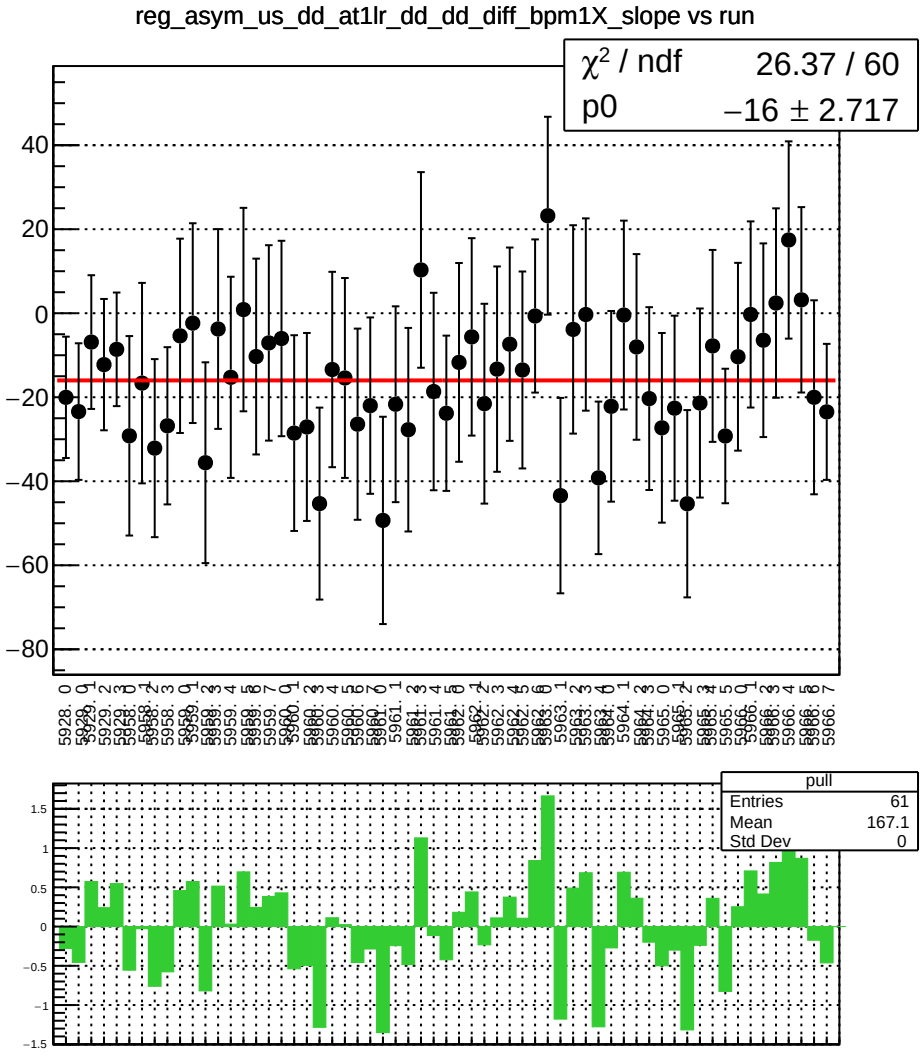

pull1D
Entries 61
Mean 0.005334
Std Dev 1.064

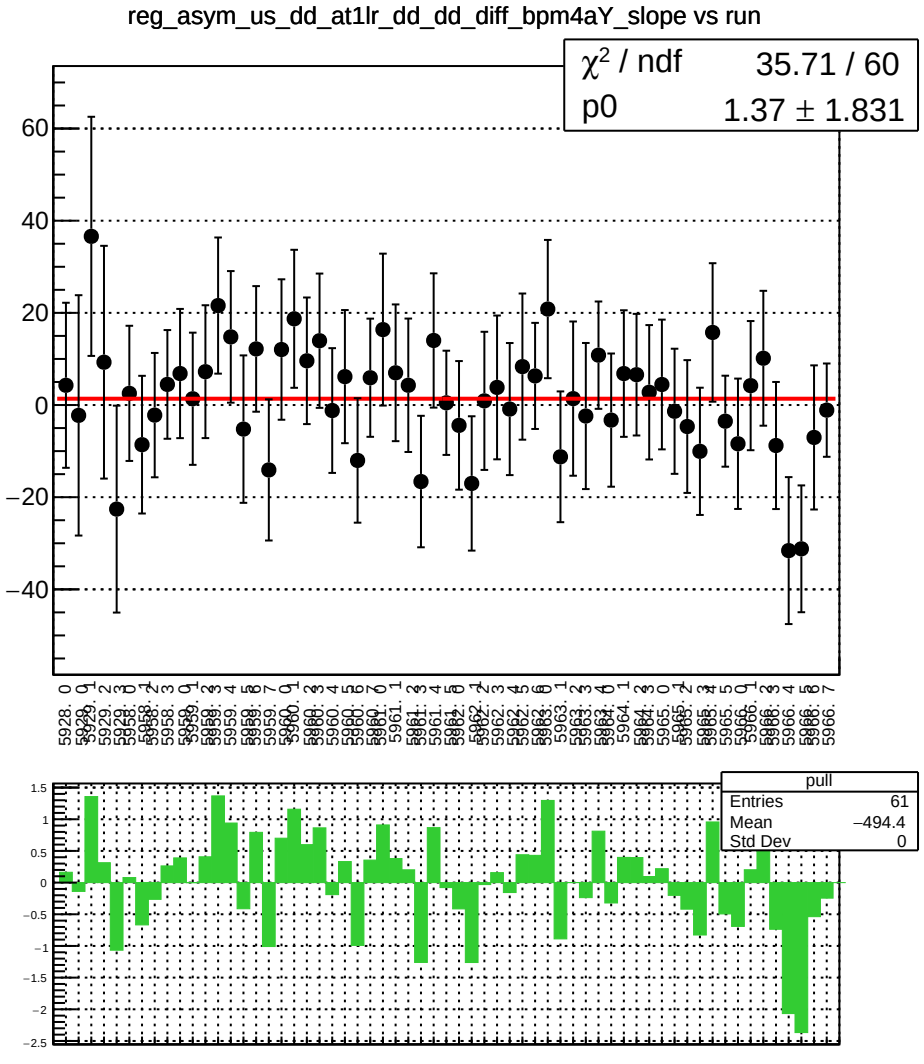

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.09 / 60
p0 −41.66 ± 2.556
pull
Entries 61
Mean 196.9
Std Dev 0

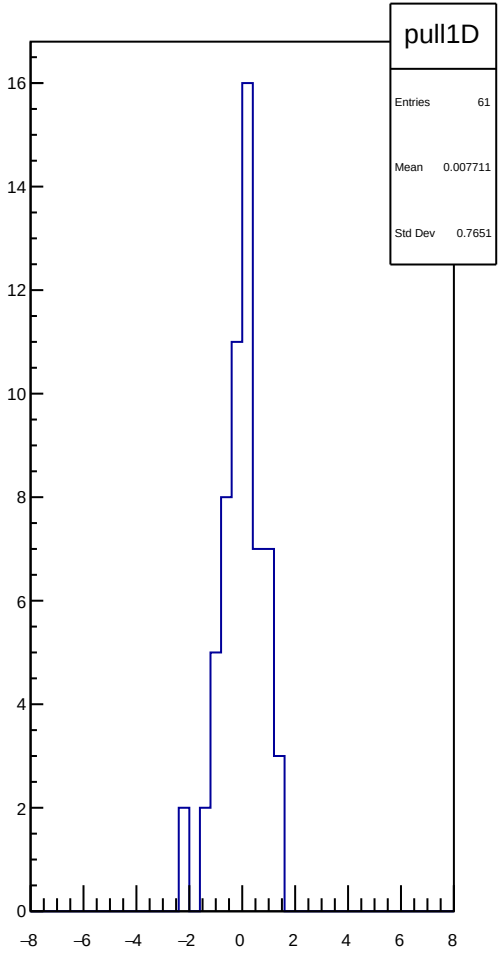

pull1D
Entries 61
Mean 0.01596
Std Dev 0.9841

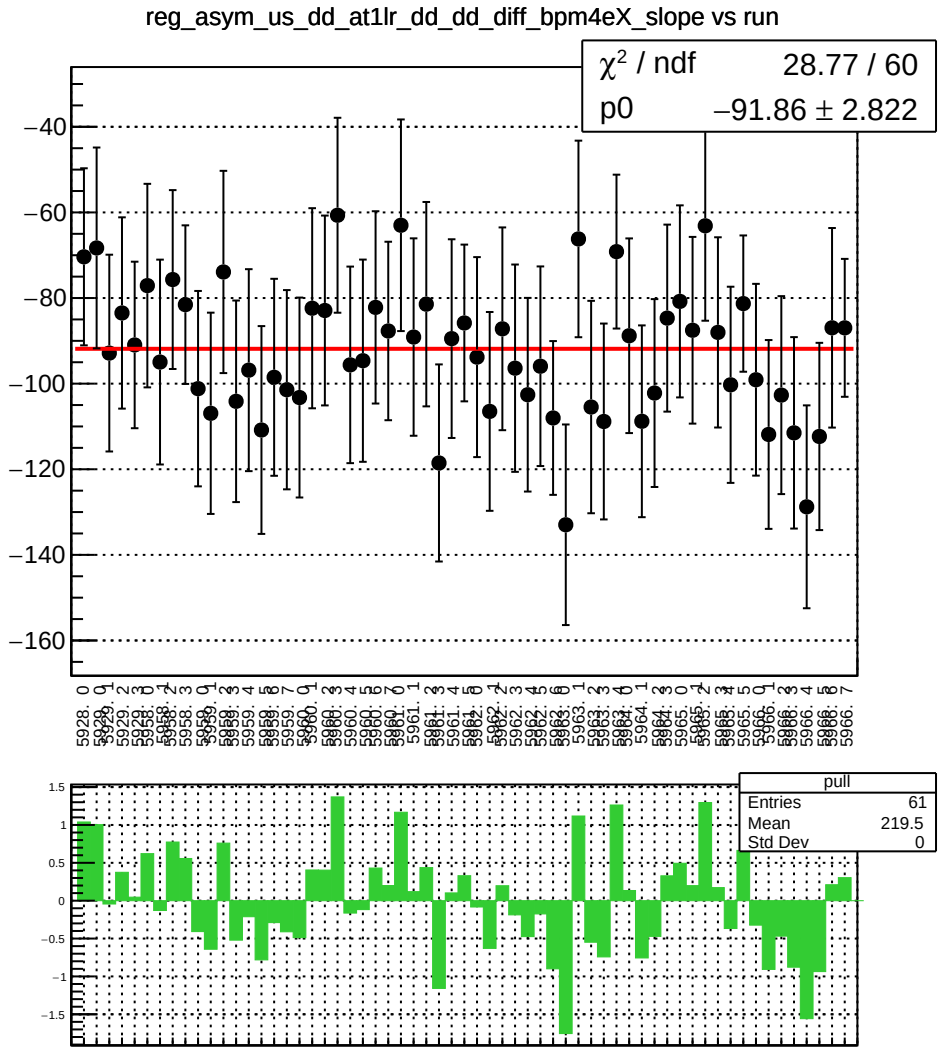

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.47 / 60
p0 4.083 ± 2.12
pull
Entries 61
Mean 141.6
Std Dev 0
pull1D
Entries 61
Mean −0.01463
Std Dev 1.09

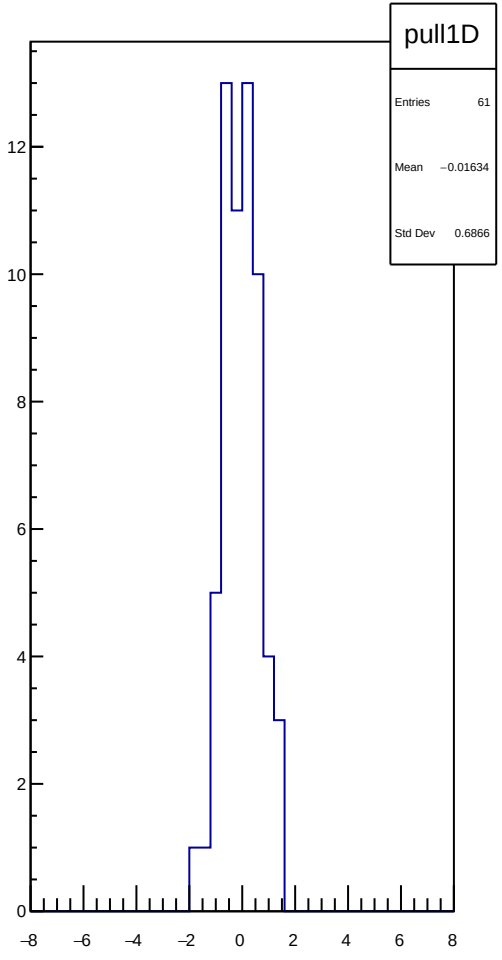

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 60.26 / 60
p0 3.421 ± 0.2034
pull
Entries 61
Mean 105.6
Std Dev 12.3
pull1D
Entries 61
Mean −0.01225
Std Dev 0.9938

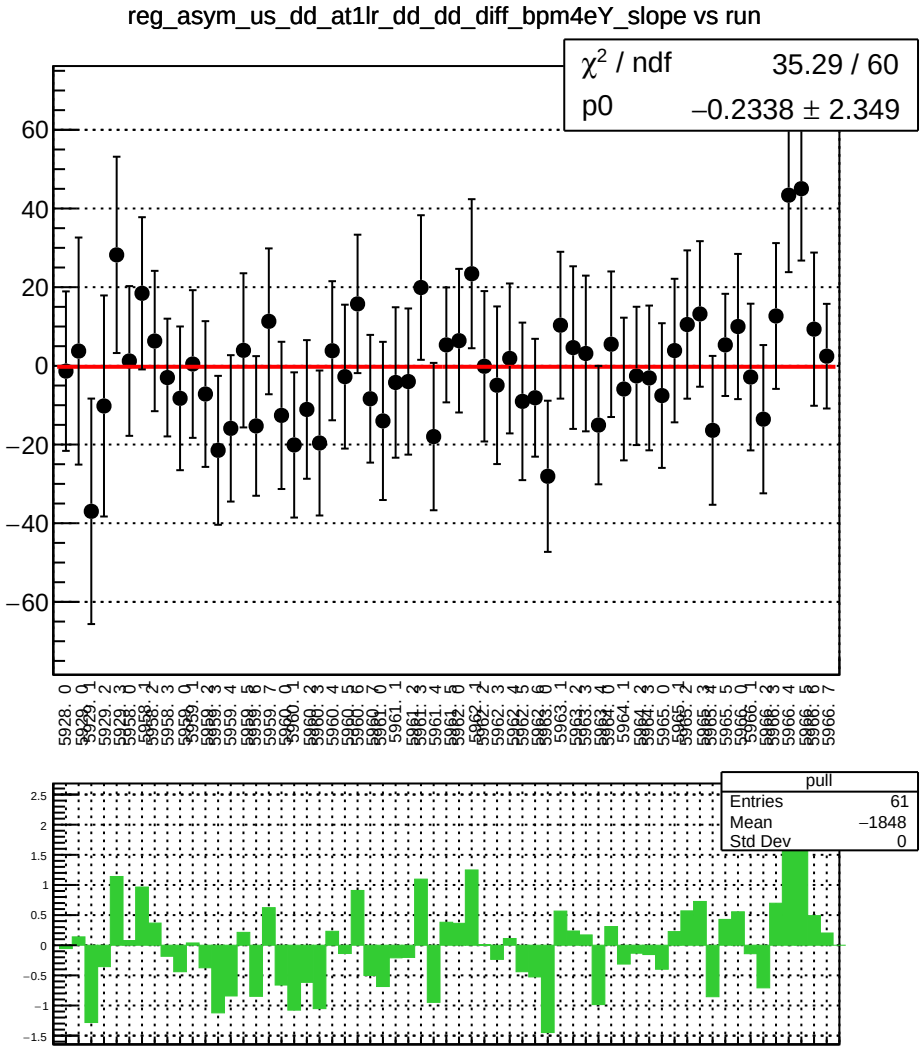

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 26.37 / 60
p0 −16 ± 2.717
pull
Entries 61
Mean 167.1
Std Dev 0
pull1D
Entries 61
Mean 0.01024
Std Dev 0.6574

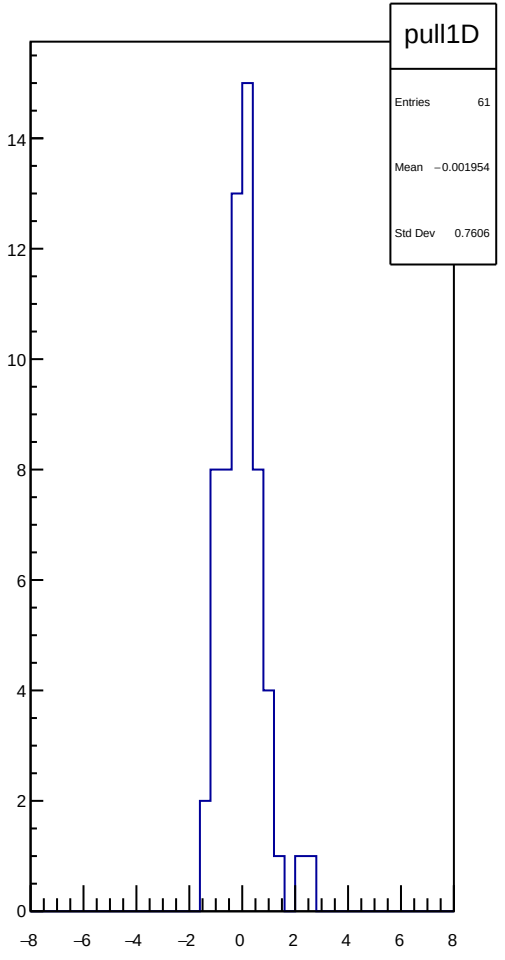

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.71 / 60
p0 1.37 ± 1.831
pull
Entries 61
Mean −494.4
Std Dev 0

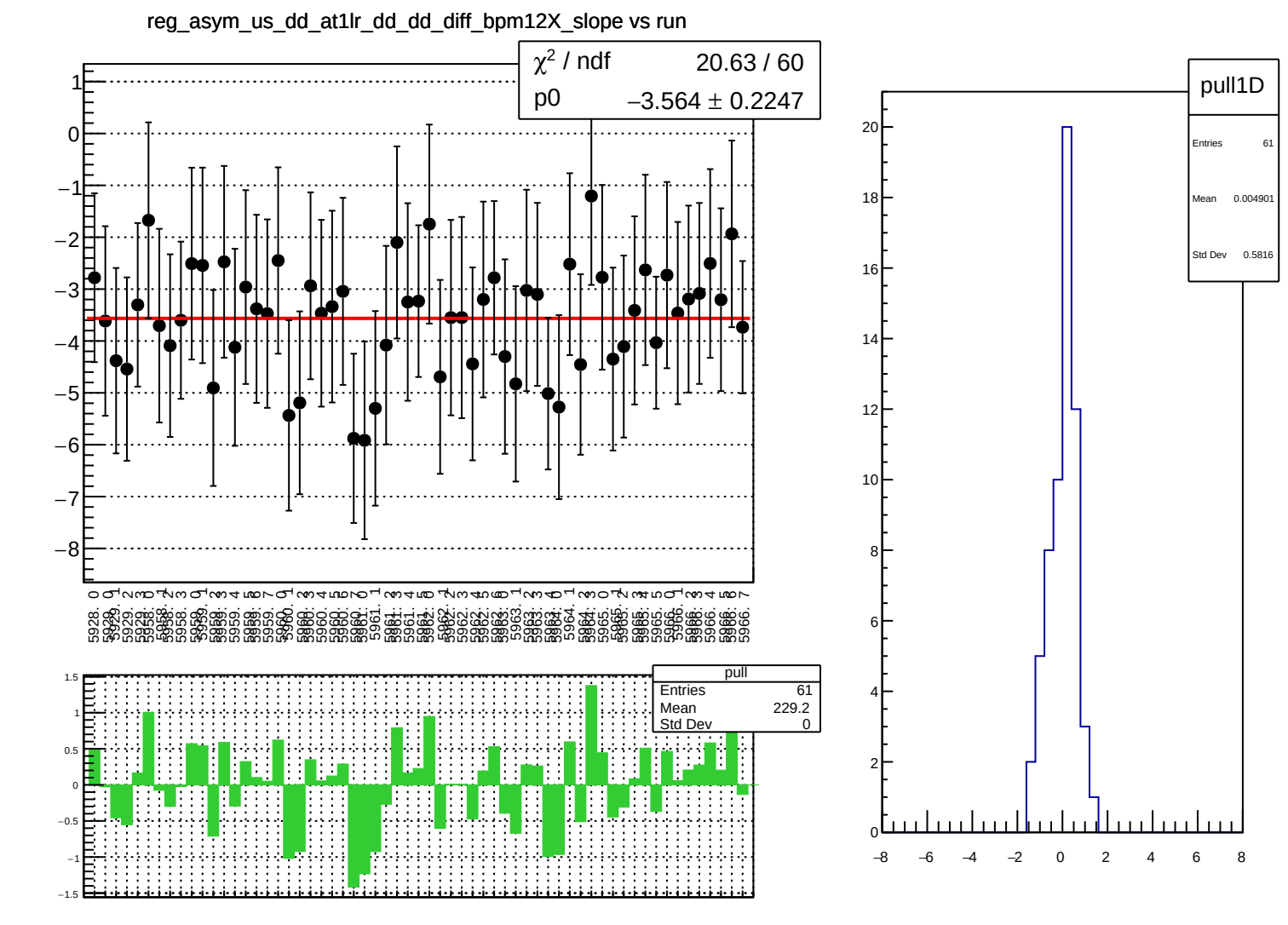

pull1D
Entries 61
Mean 0.007711
Std Dev 0.7651

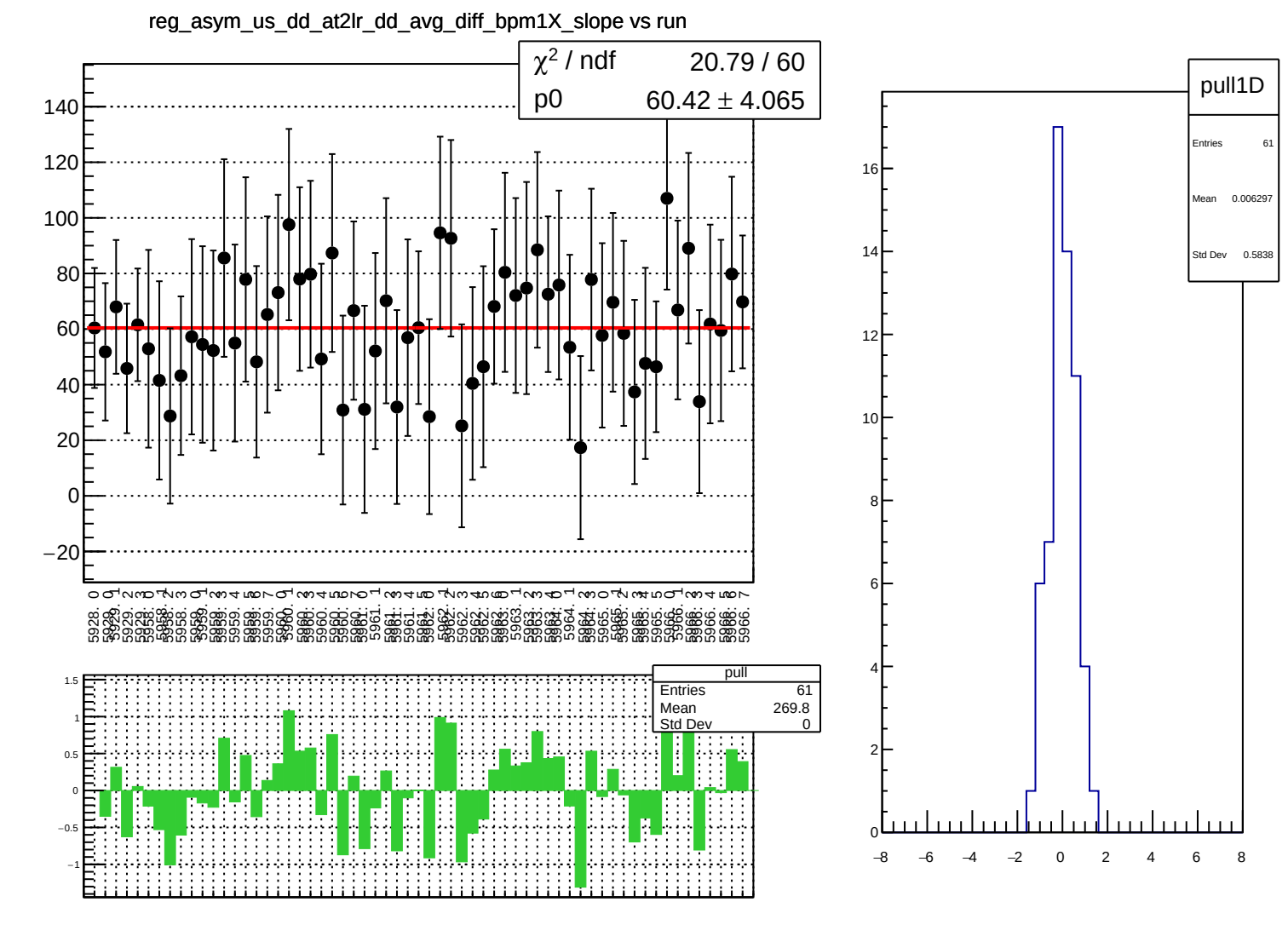

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.77 / 60
p0 −91.86 ± 2.822
pull
Entries 61
Mean 219.5
Std Dev 0

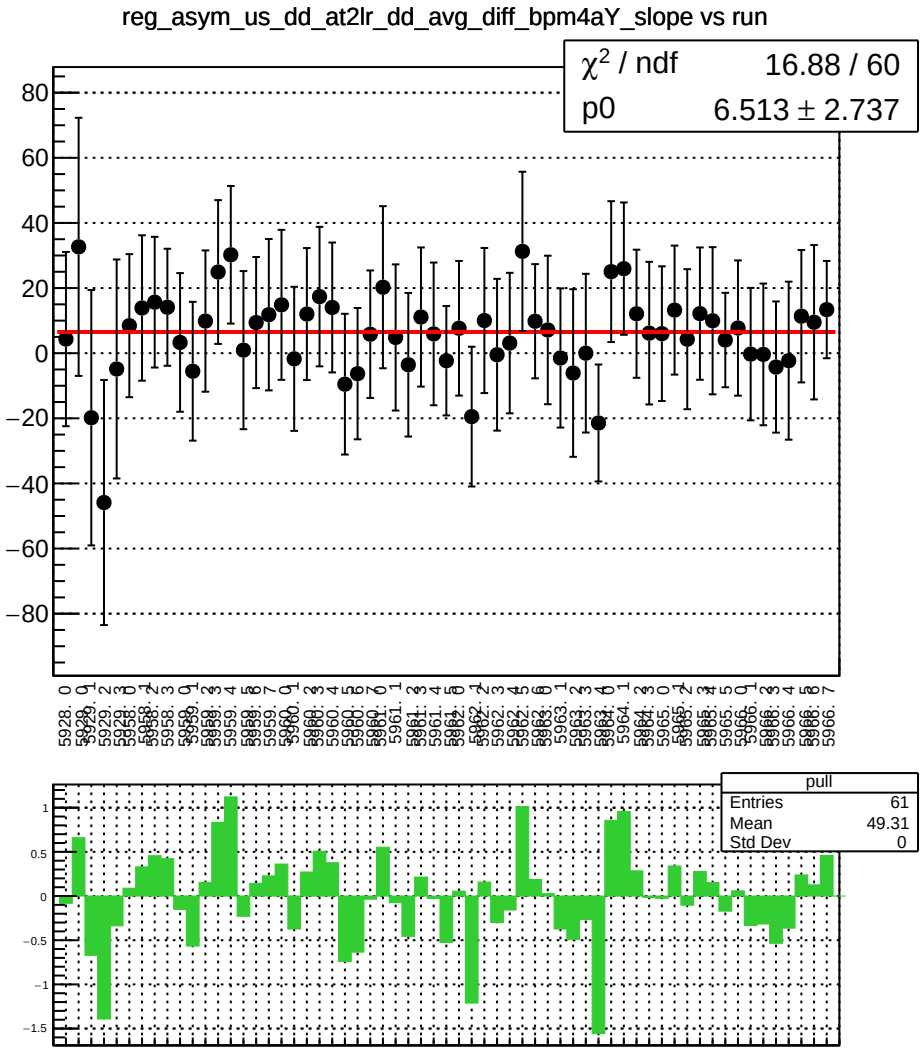

pull1D
Entries 61
Mean −0.01634
Std Dev 0.6866

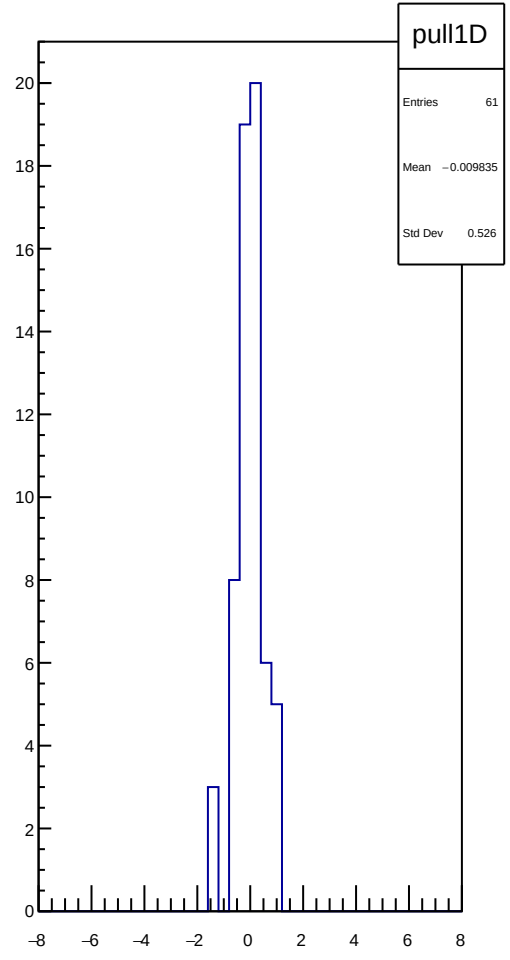

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.29 / 60
p0 −0.2338 ± 2.349
pull
Entries 61
Mean −1848
Std Dev 0

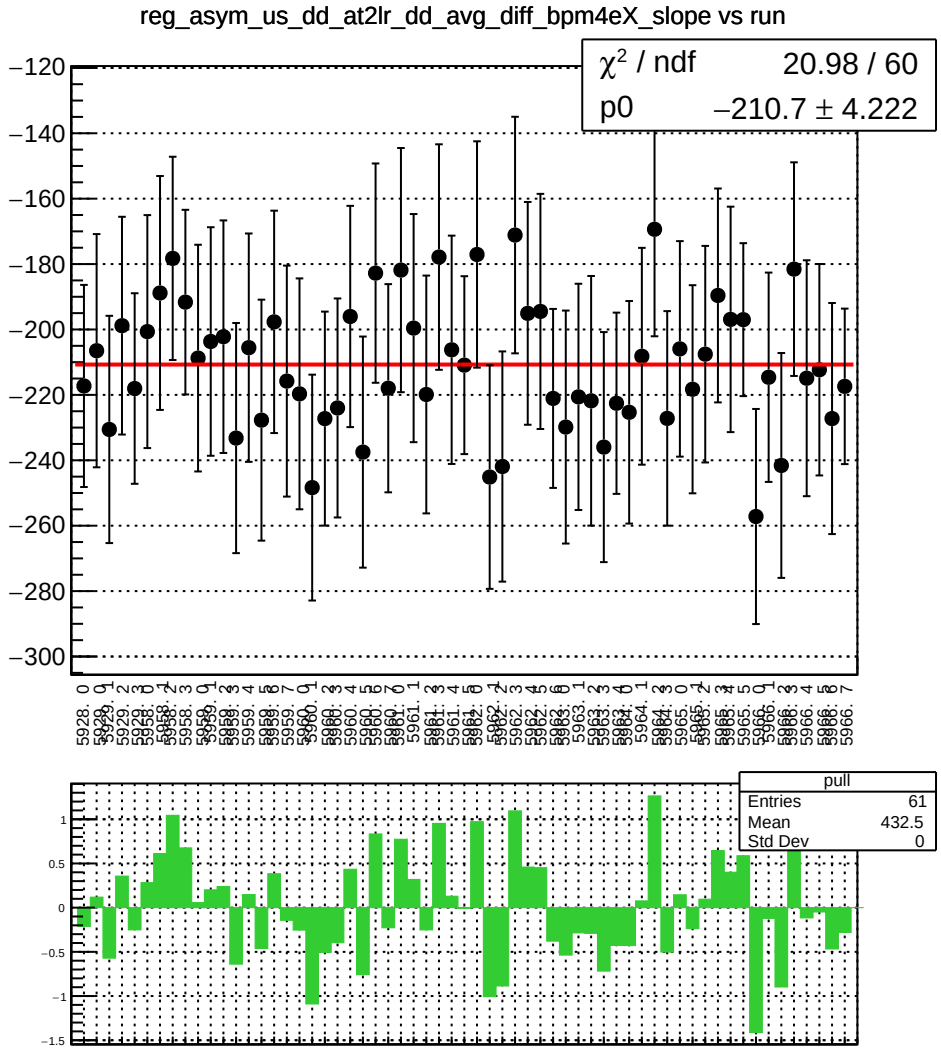

pull1D
Entries 61
Mean −0.001954
Std Dev 0.7606

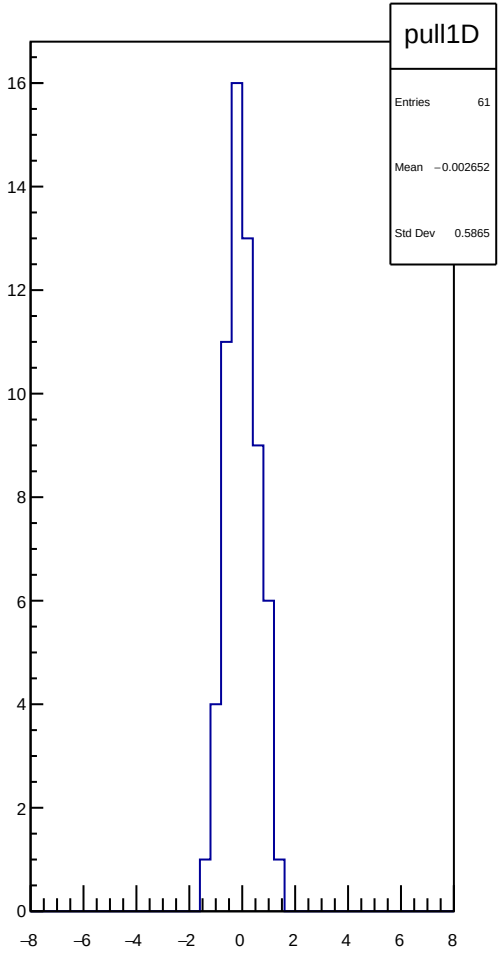

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 20.63 / 60
p0 −3.564 ± 0.2247
pull
Entries 61
Mean 229.2
Std Dev 0
pull1D
Entries 61
Mean 0.004901
Std Dev 0.5816

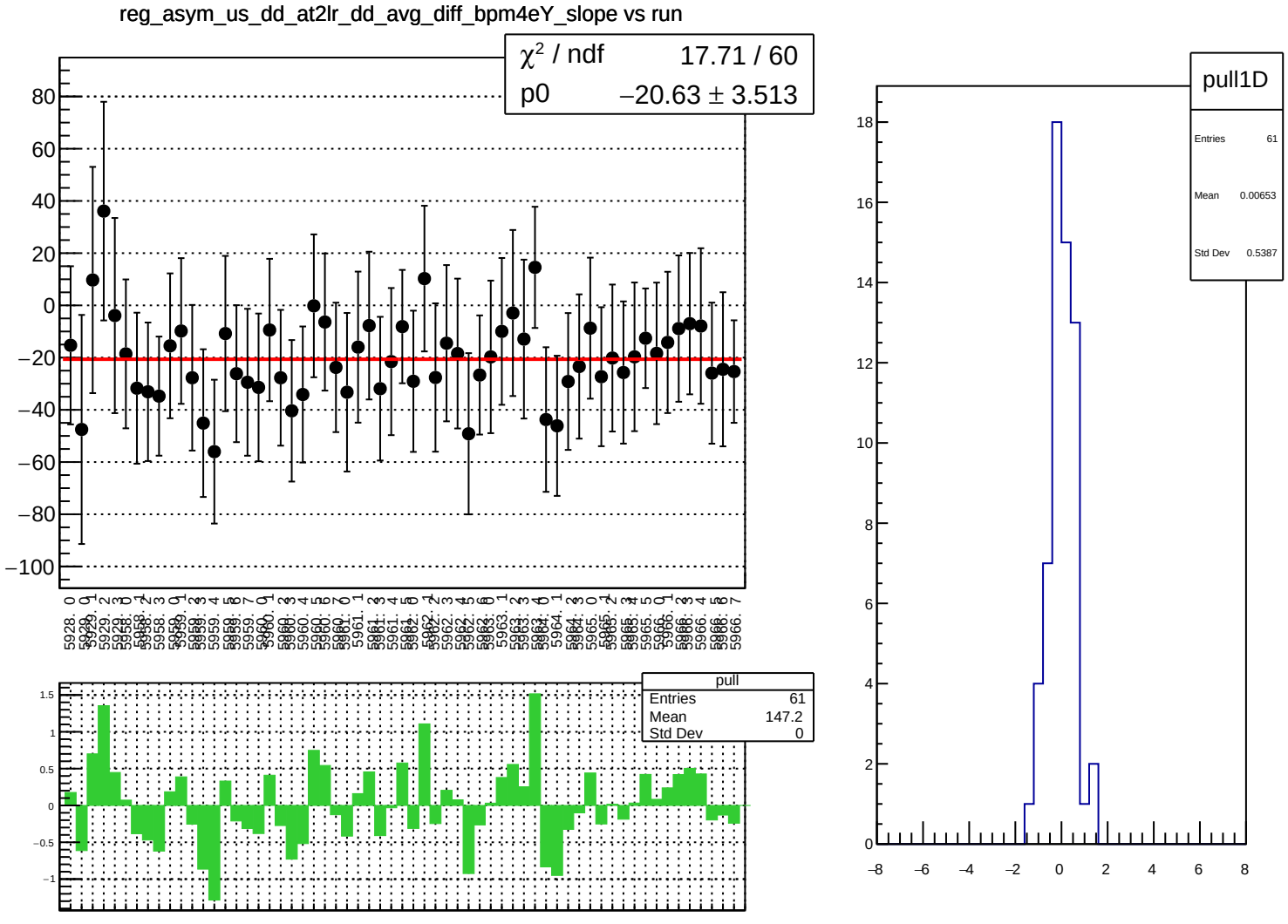

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20.79 / 60
p0 60.42 ± 4.065
pull
Entries 61
Mean 269.8
Std Dev 0
pull1D
Entries 61
Mean 0.006297
Std Dev 0.5838

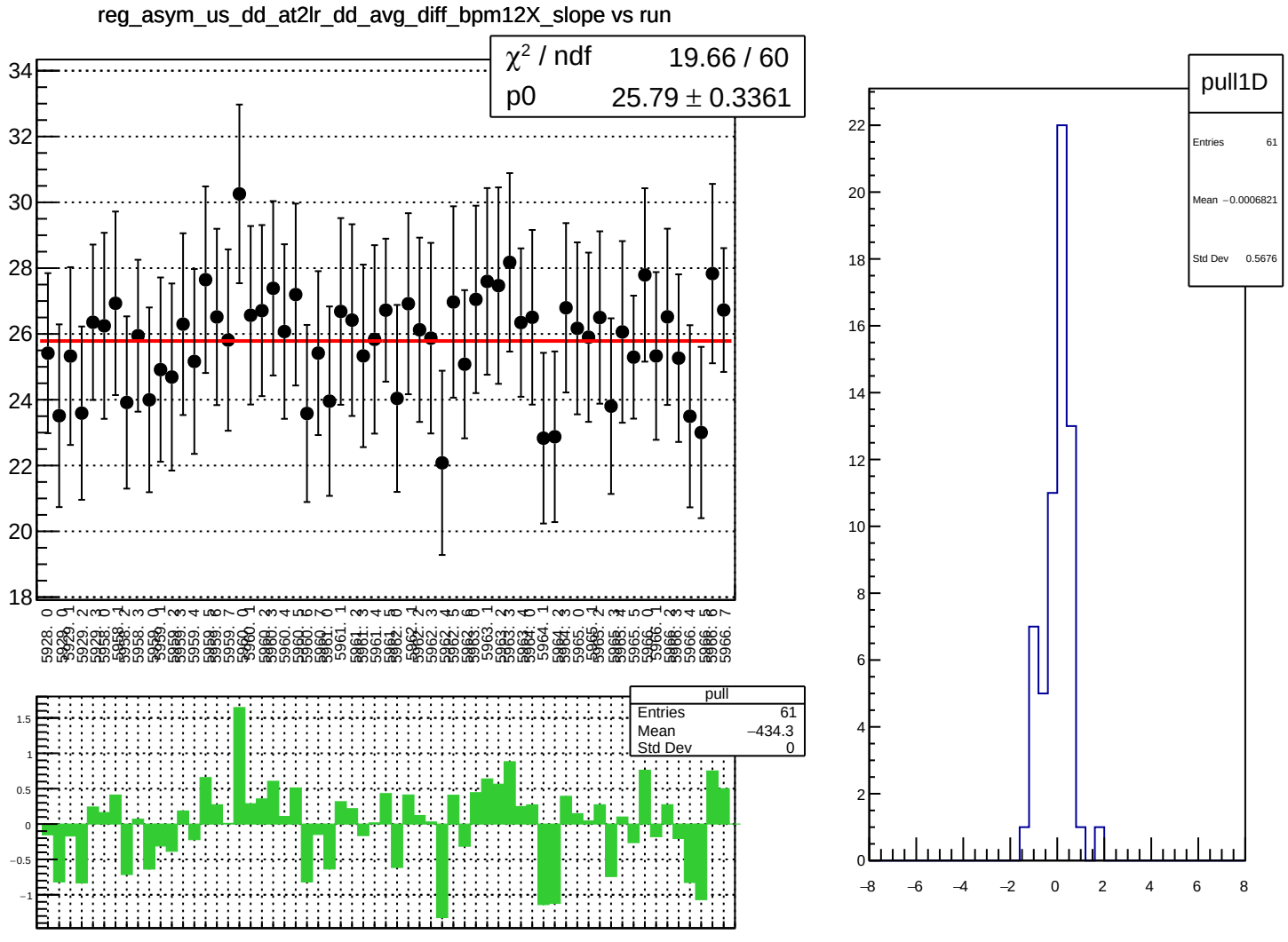

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.88 / 60
p0 6.513 ± 2.737
pull
Entries 61
Mean 49.31
Std Dev 0

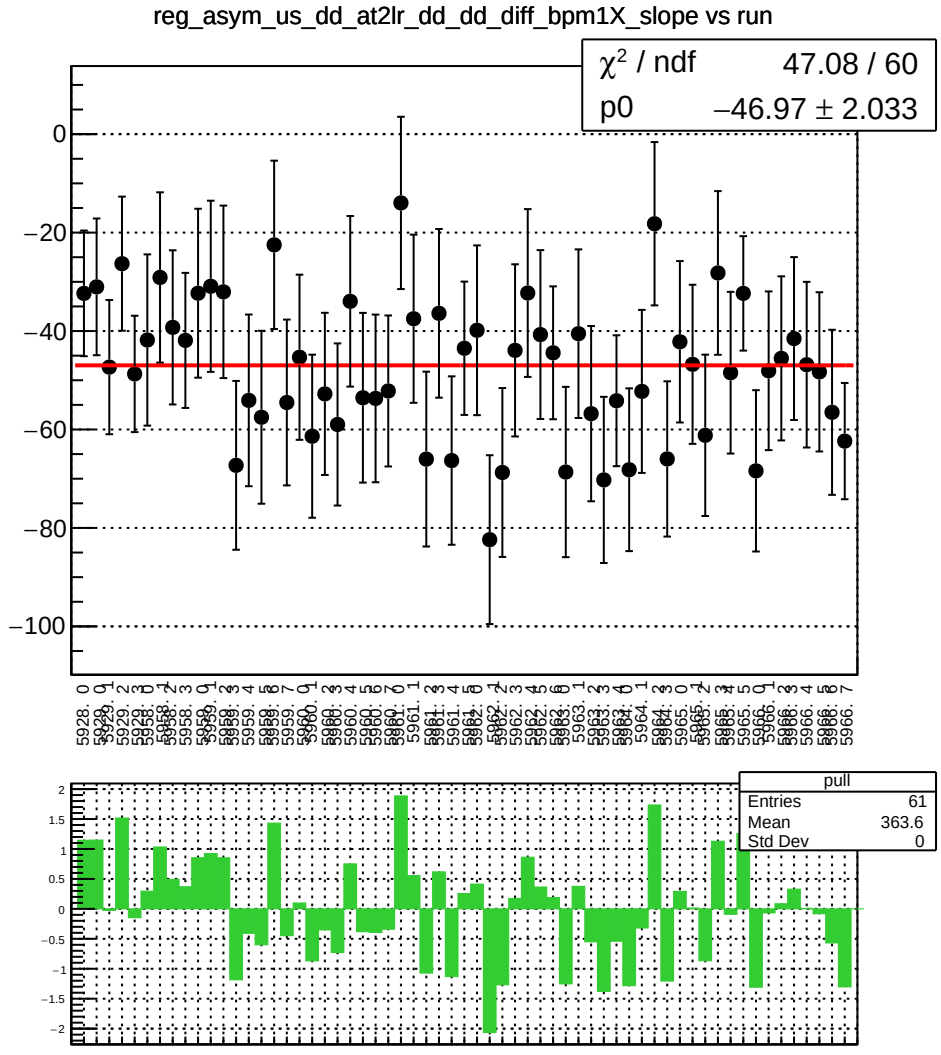

pull1D
Entries 61
Mean −0.009835
Std Dev 0.526

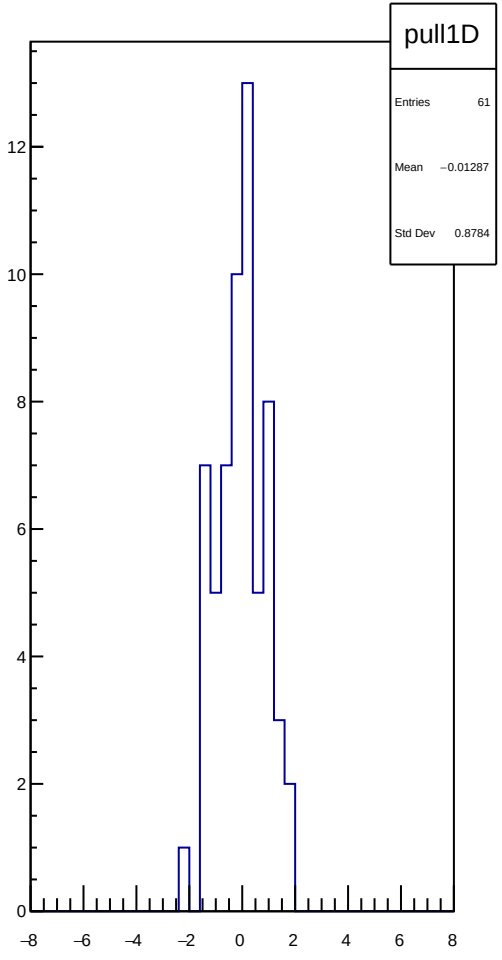

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.98 / 60
p0 −210.7 ± 4.222
pull
Entries 61
Mean 432.5
Std Dev 0

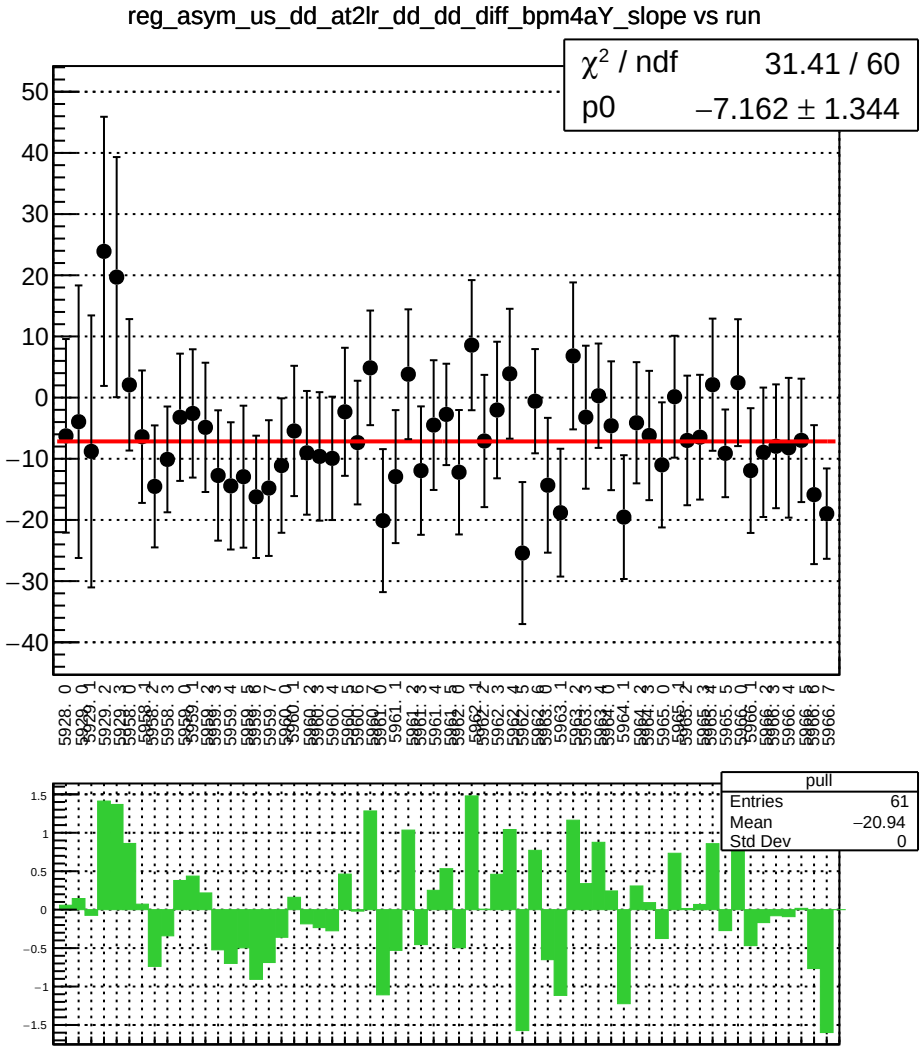

pull1D
Entries 61
Mean −0.002652
Std Dev 0.5865

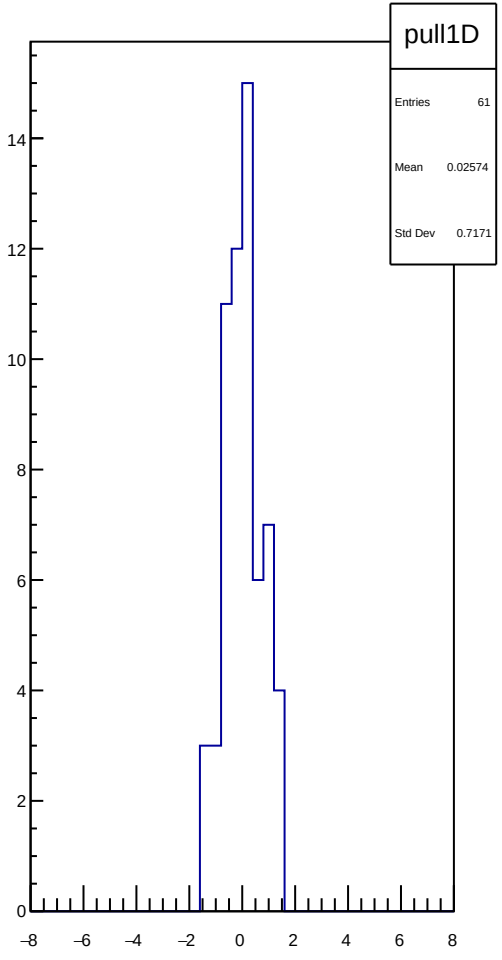

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.71 / 60
p0 −20.63 ± 3.513
pull
Entries 61
Mean 147.2
Std Dev 0
pull1D
Entries 61
Mean 0.00653
Std Dev 0.5387

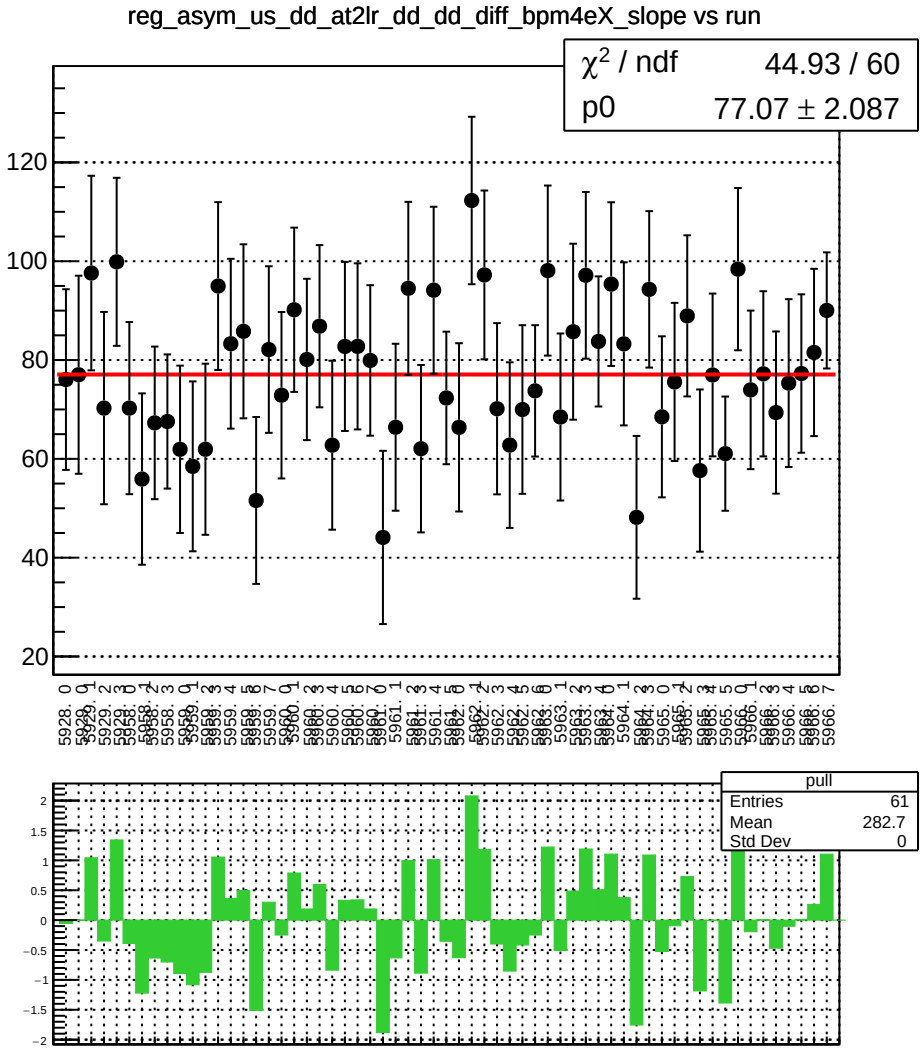

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 19.66 / 60
p0 25.79 ± 0.3361
pull
Entries 61
Mean −434.3
Std Dev 0
pull1D
Entries 61
Mean −0.0006821
Std Dev 0.5676

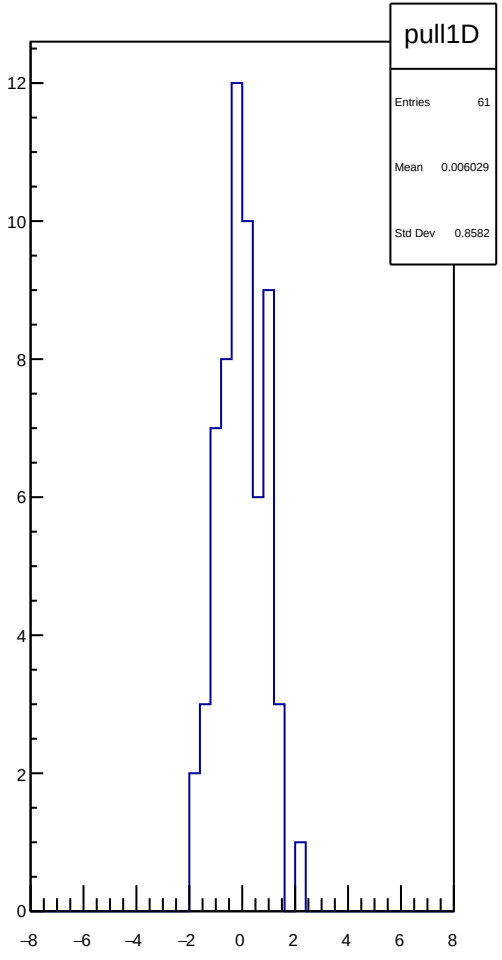

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 47.08 / 60
p0 −46.97 ± 2.033
pull
Entries 61
Mean 363.6
Std Dev 0

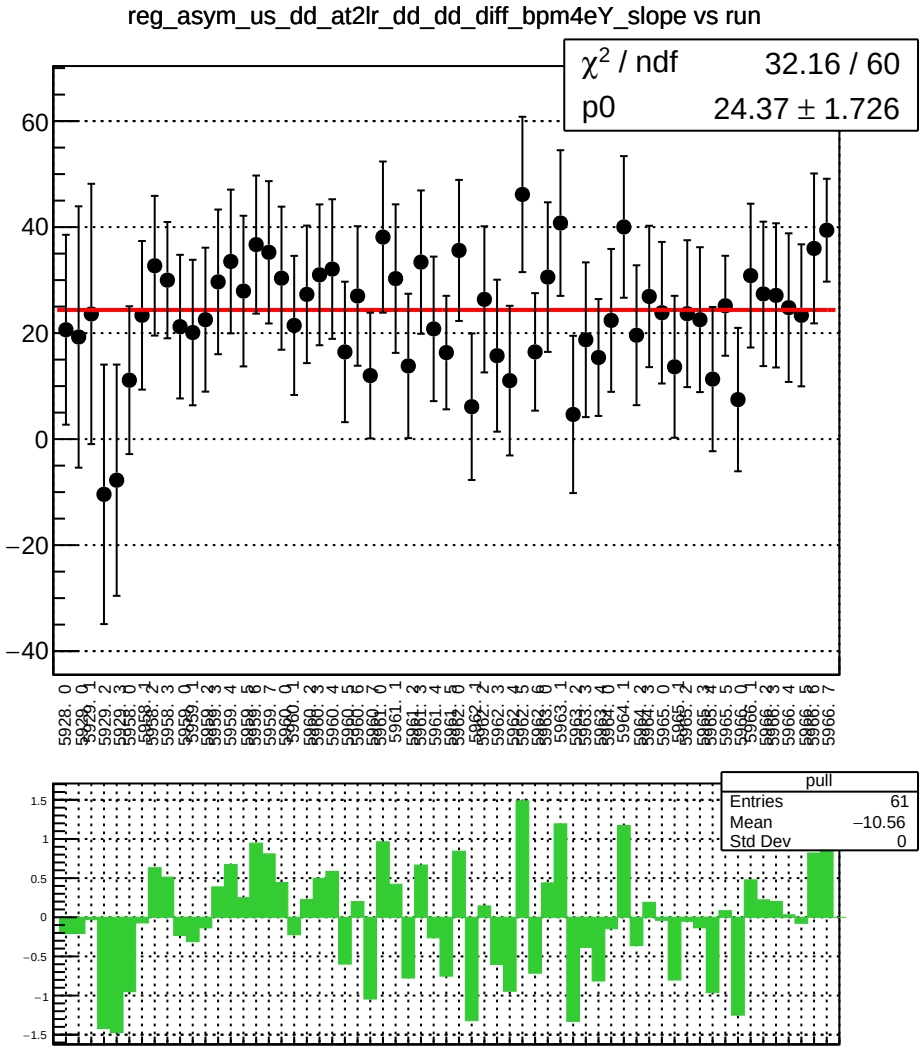

pull1D
Entries 61
Mean −0.01287
Std Dev 0.8784

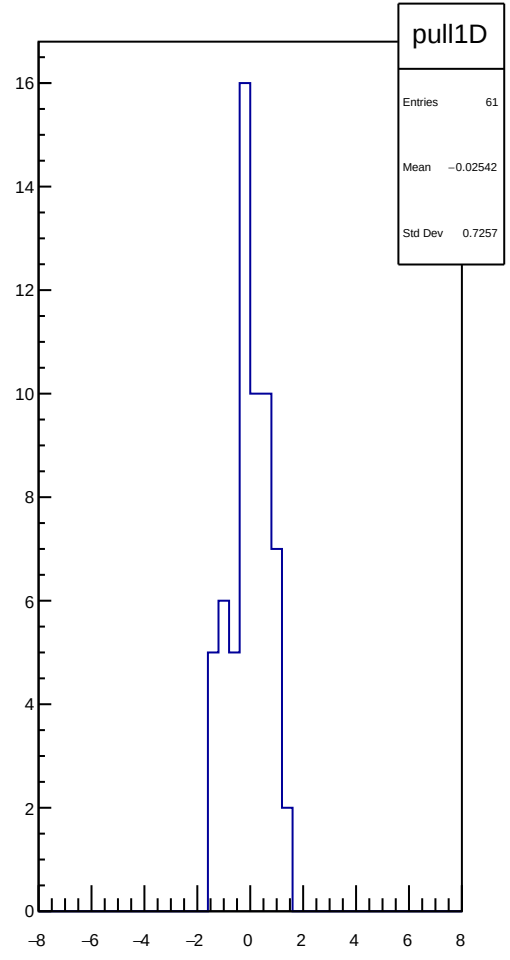

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.41 / 60
p0 −7.162 ± 1.344
pull
Entries 61
Mean −20.94
Std Dev 0

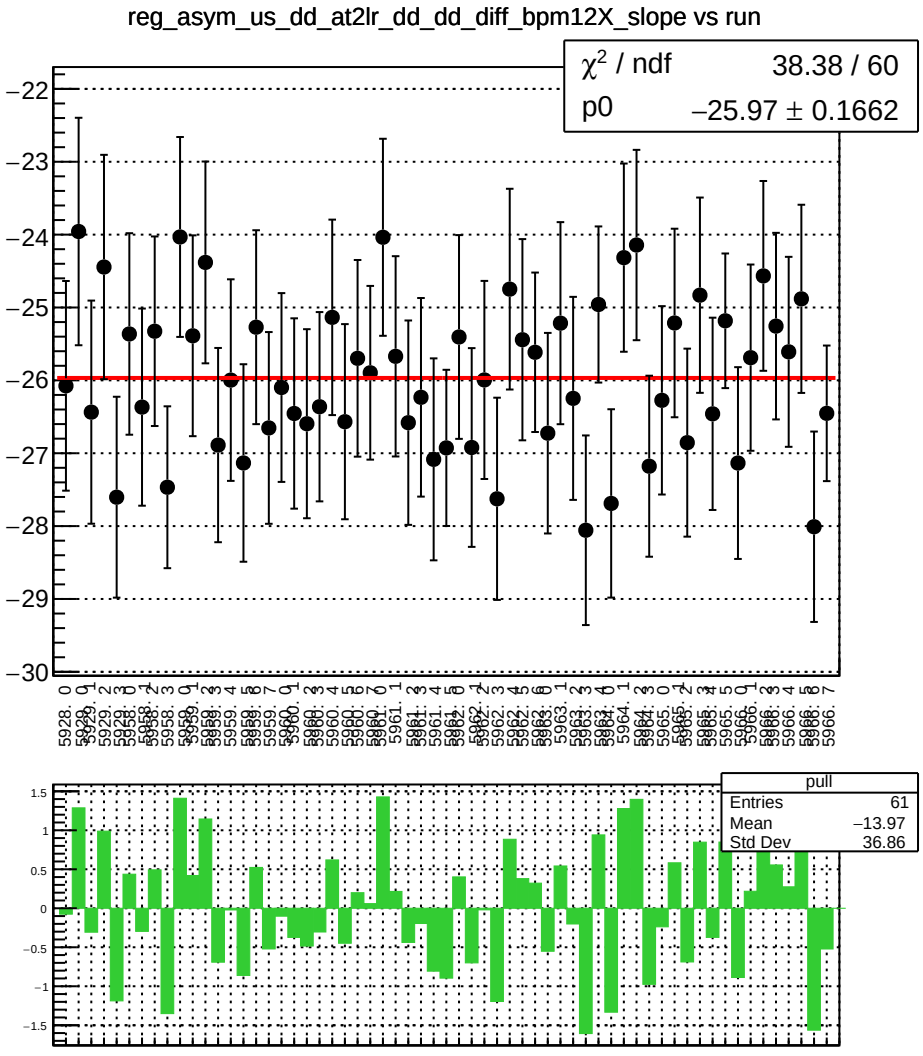

pull1D
Entries 61
Mean 0.02574
Std Dev 0.7171

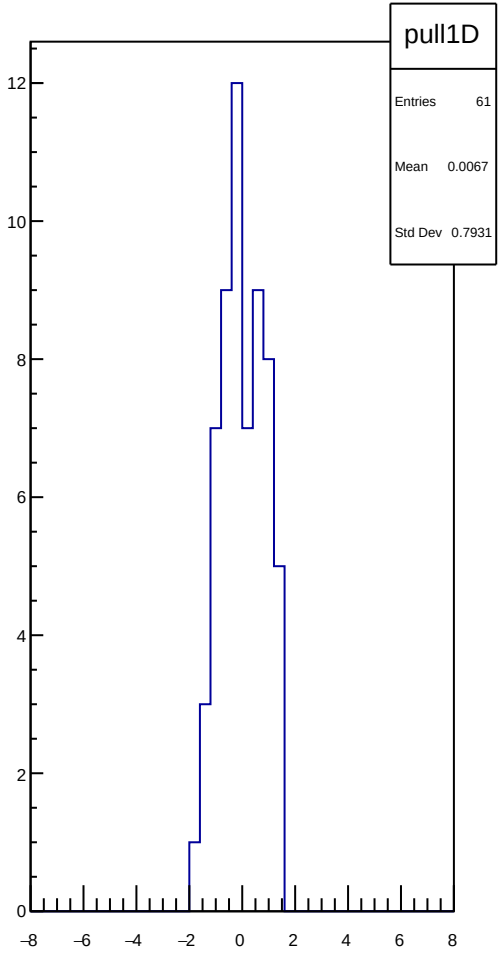

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.93 / 60
p0 77.07 ± 2.087
pull
Entries 61
Mean 282.7
Std Dev 0

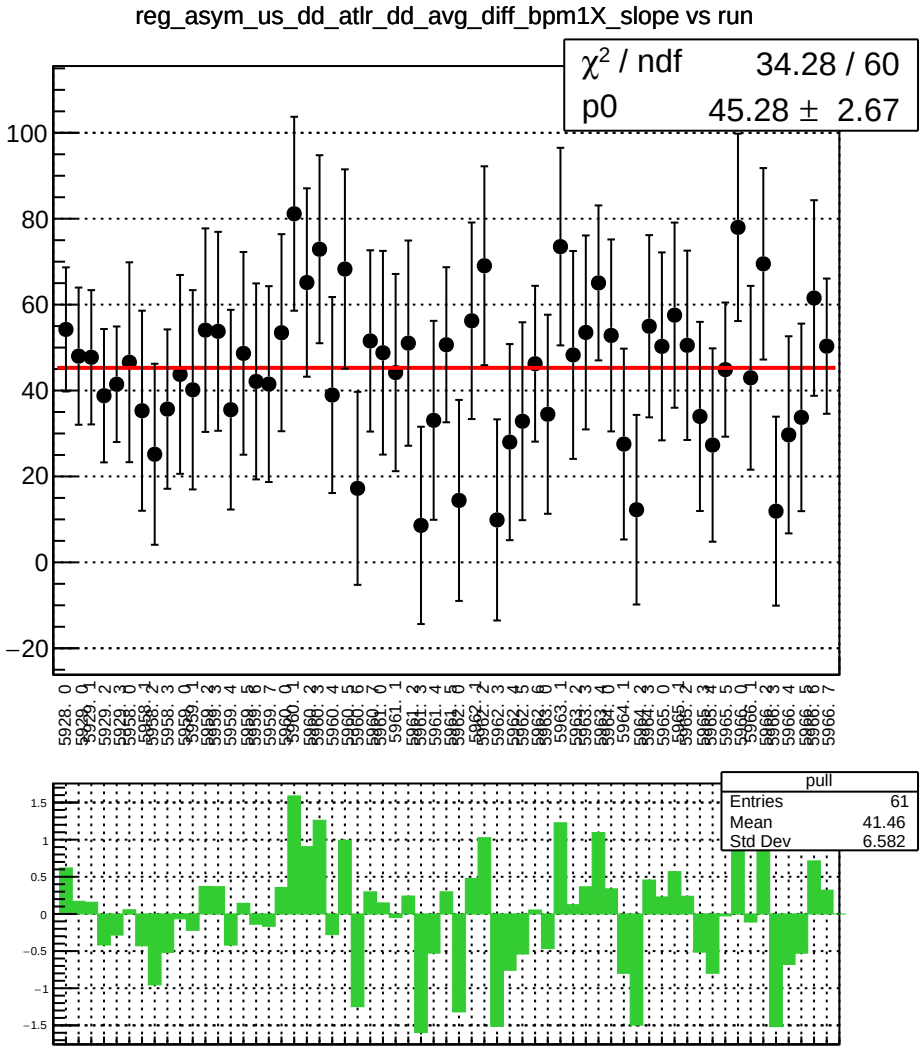

pull1D
Entries 61
Mean 0.006029
Std Dev 0.8582

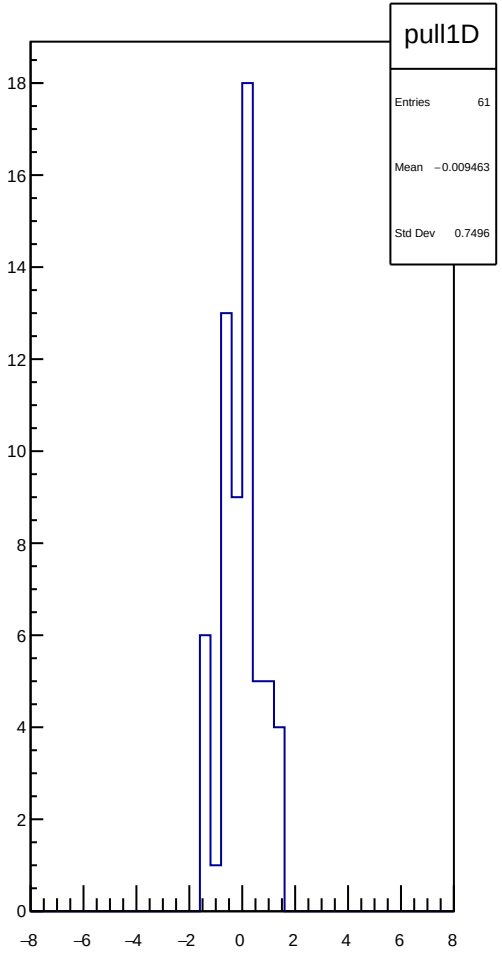

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.16 / 60
p0 24.37 ± 1.726
pull
Entries 61
Mean −10.56
Std Dev 0

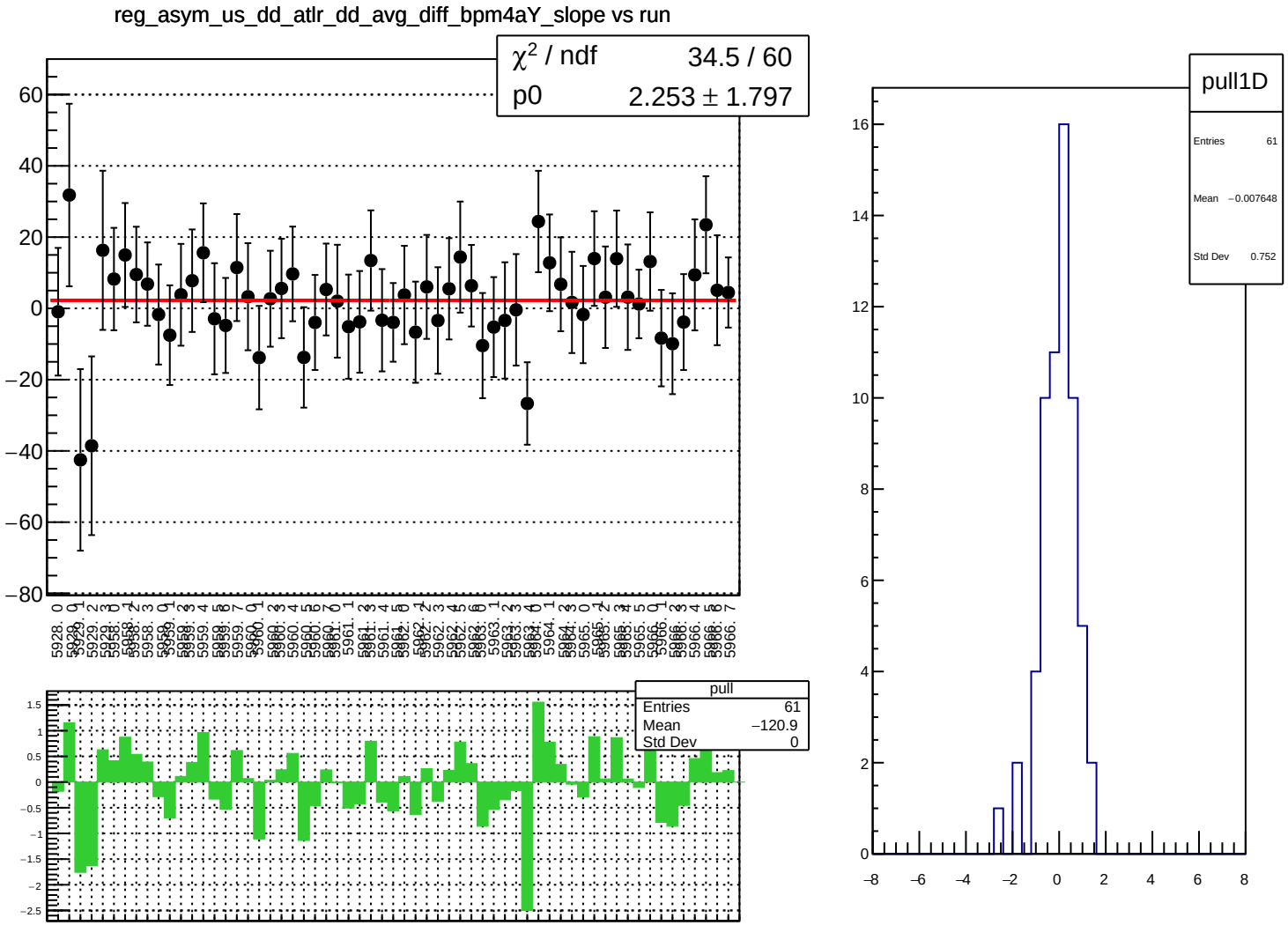

pull1D
Entries 61
Mean −0.02542
Std Dev 0.7257

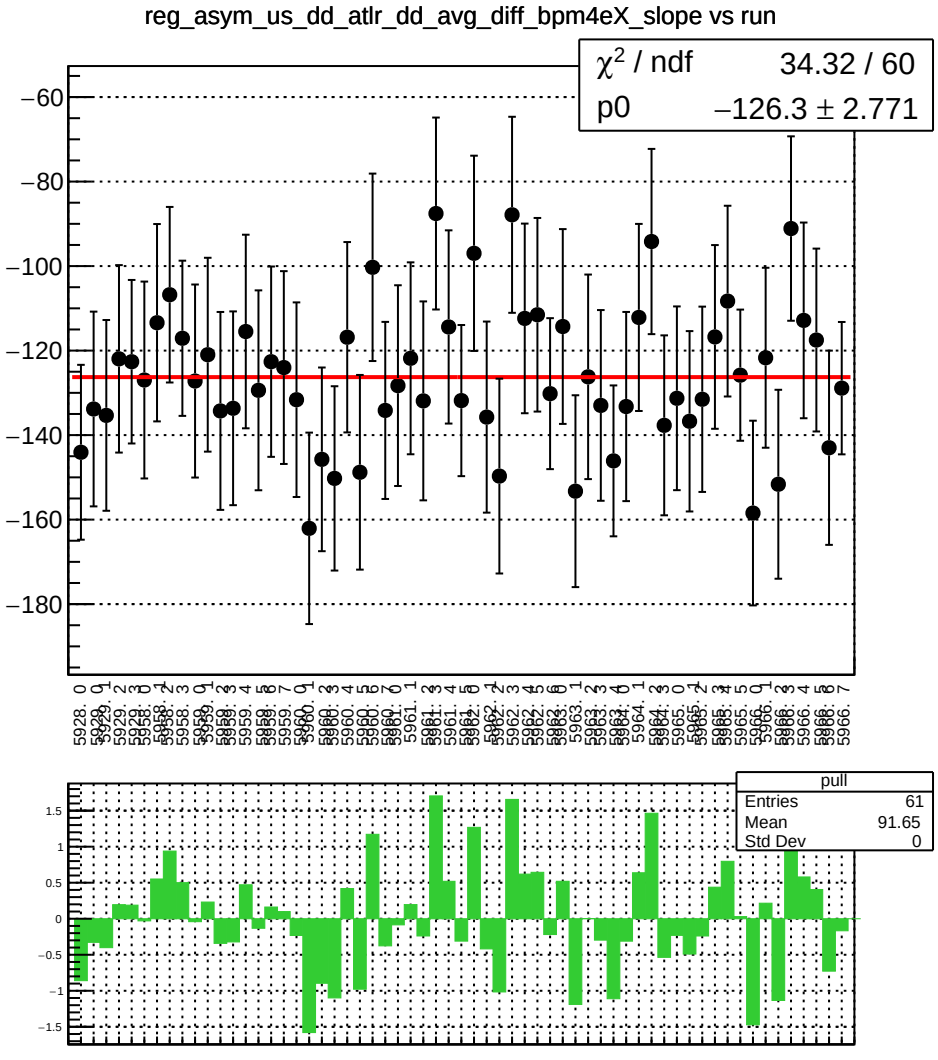

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 38.38 / 60
p0 −25.97 ± 0.1662
pull
Entries 61
Mean −13.97
Std Dev 36.86

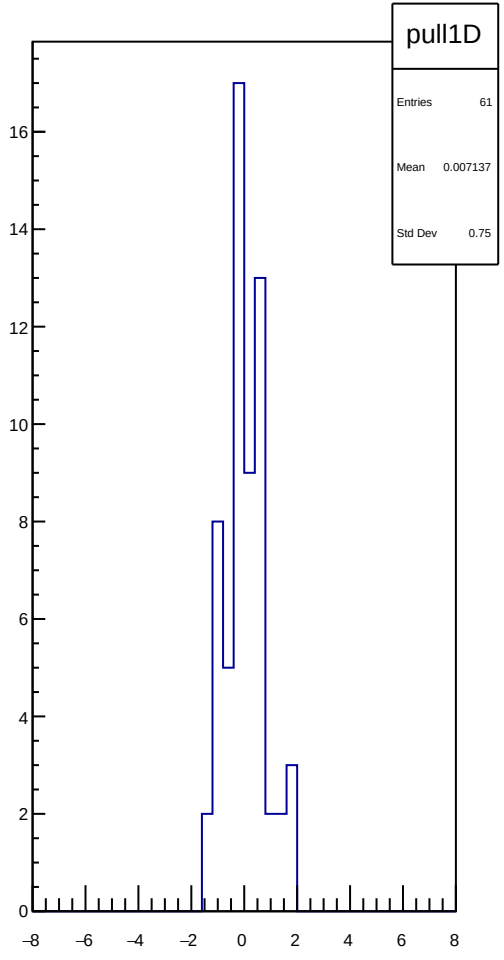

pull1D
Entries 61
Mean 0.0067
Std Dev 0.7931

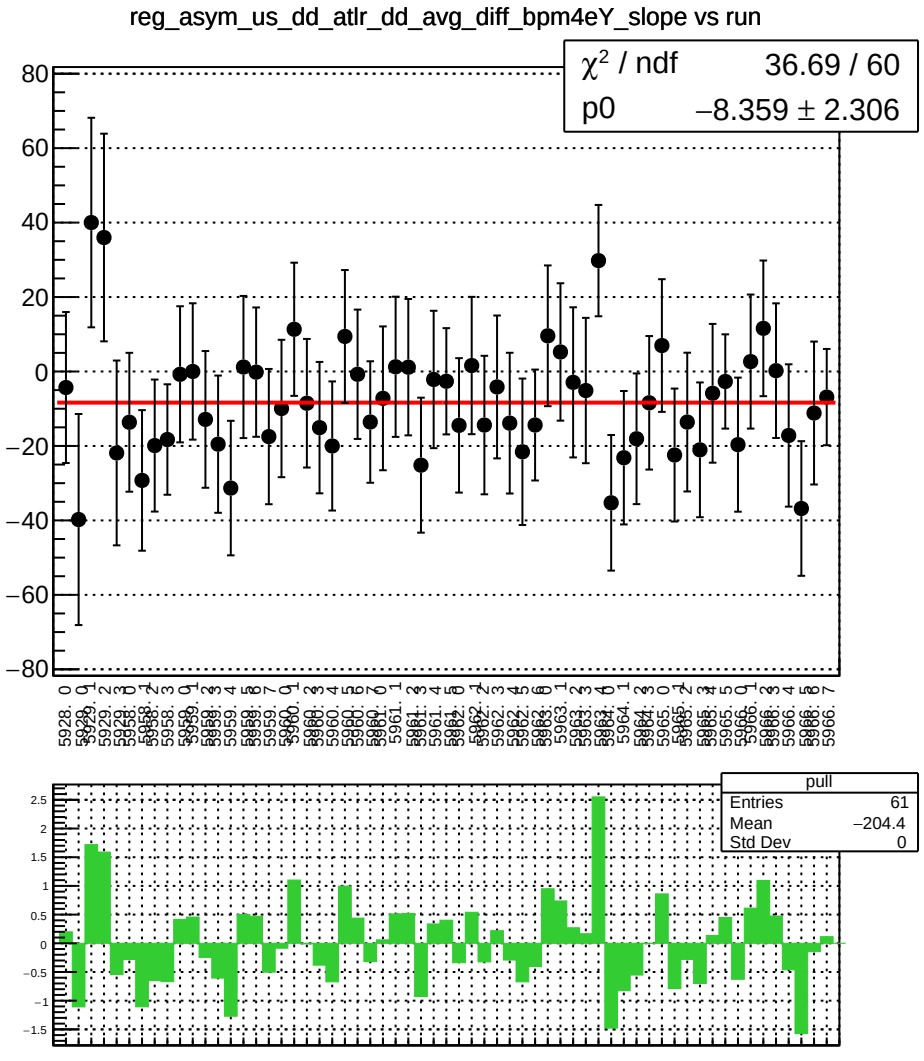

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 34.28 / 60
p0 45.28 ± 2.67
pull
Entries 61
Mean 41.46
Std Dev 6.582

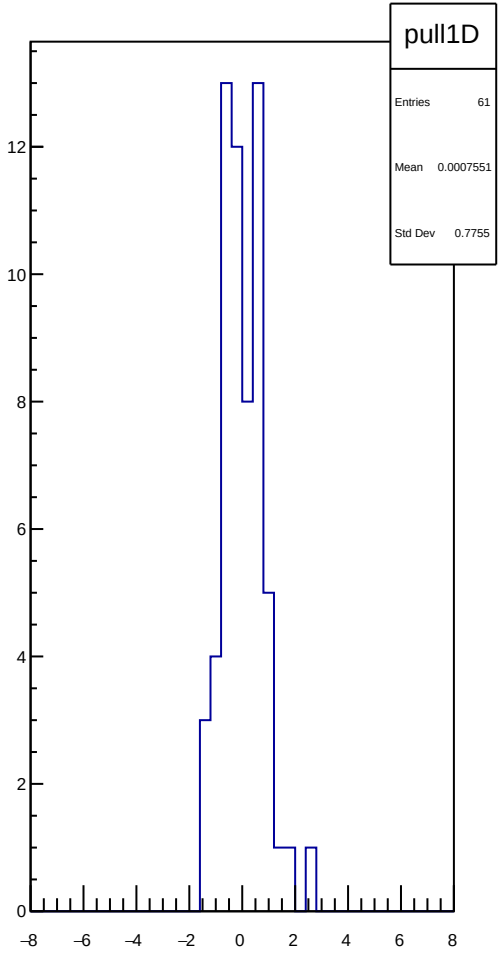

pull1D
Entries 61
Mean −0.009463
Std Dev 0.7496

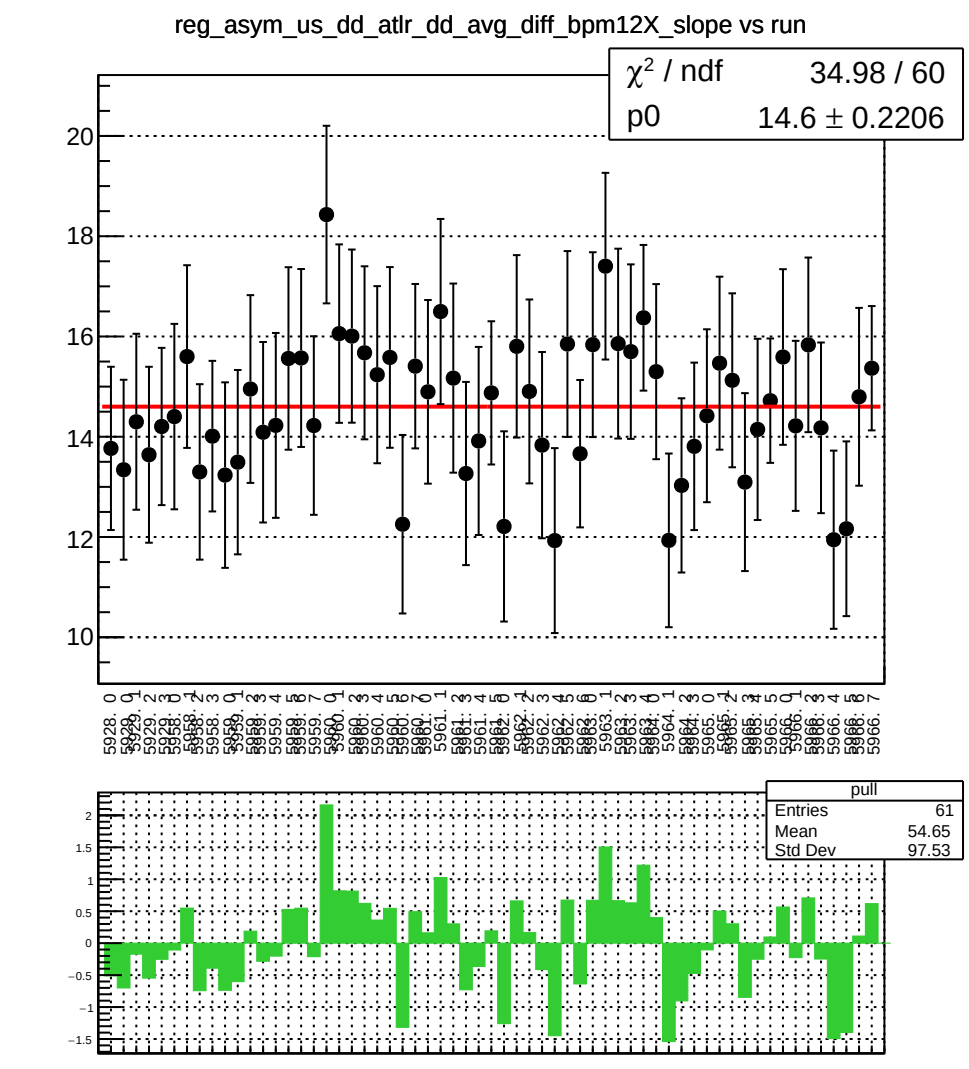

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.5 / 60
p0 2.253 ± 1.797
pull
Entries 61
Mean −120.9
Std Dev 0
pull1D
Entries 61
Mean −0.007648
Std Dev 0.752

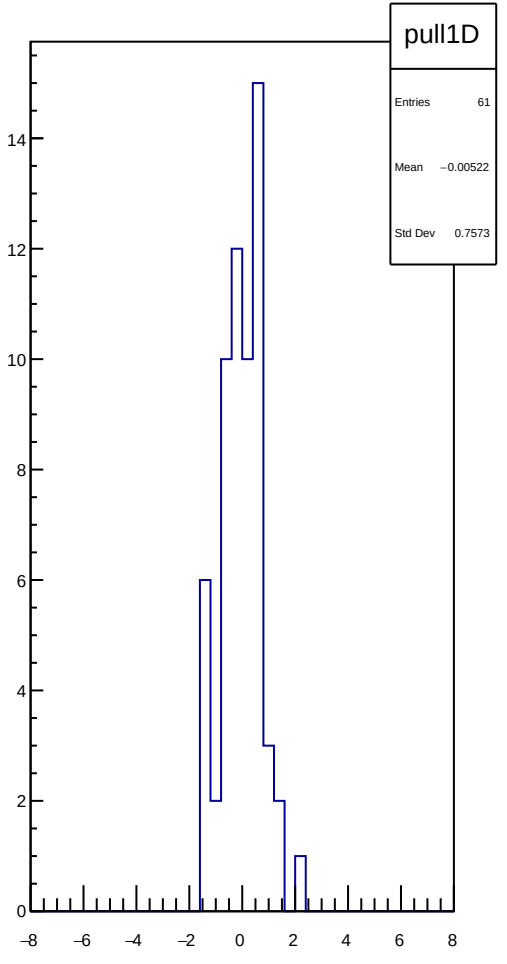

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.32 / 60
p0 −126.3 ± 2.771
pull
Entries 61
Mean 91.65
Std Dev 0

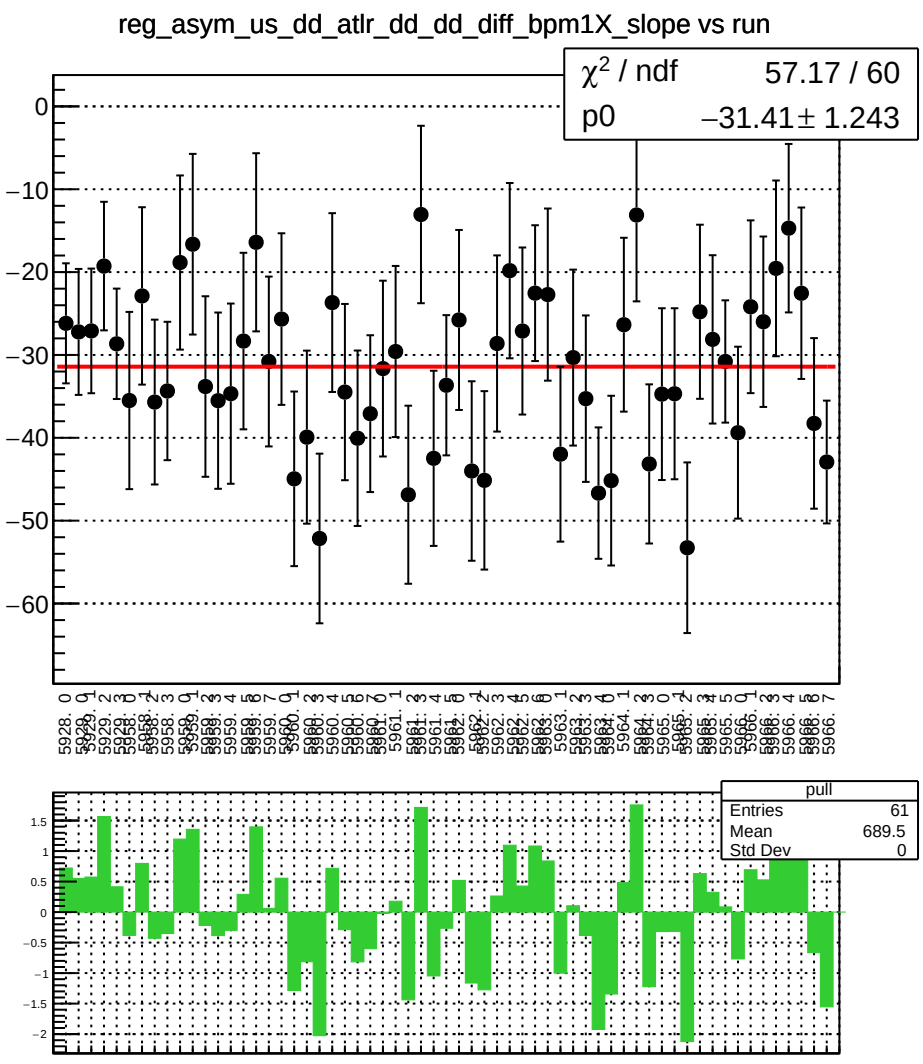

pull1D
Entries 61
Mean 0.007137
Std Dev 0.75

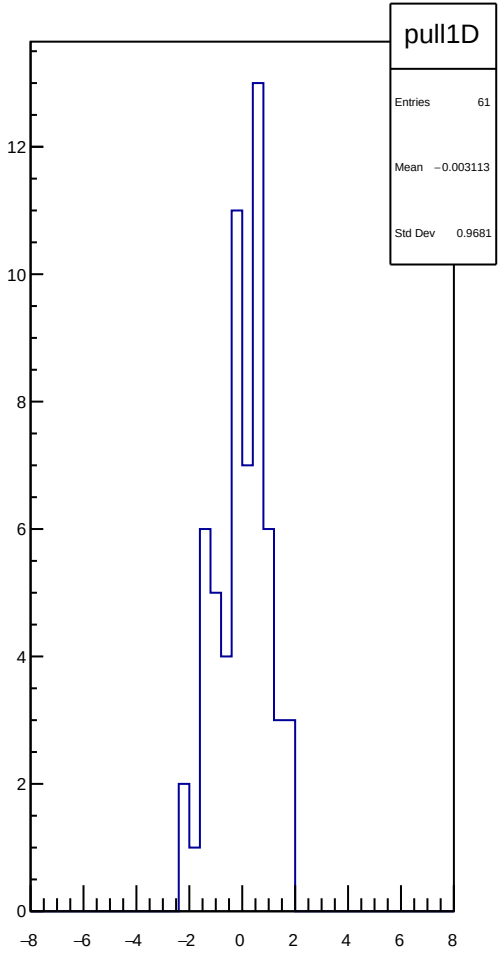

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.69 / 60
p0 −8.359 ± 2.306
pull
Entries 61
Mean −204.4
Std Dev 0

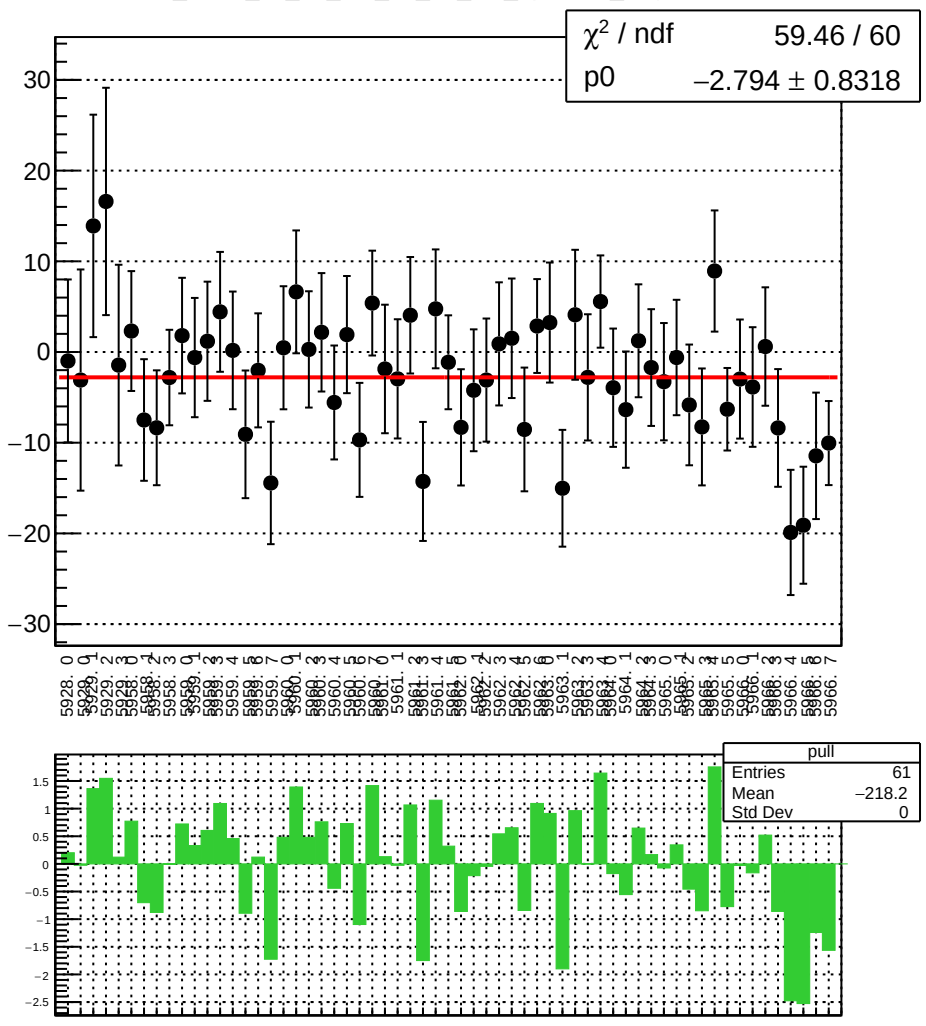

pull1D
Entries 61
Mean 0.0007551
Std Dev 0.7755

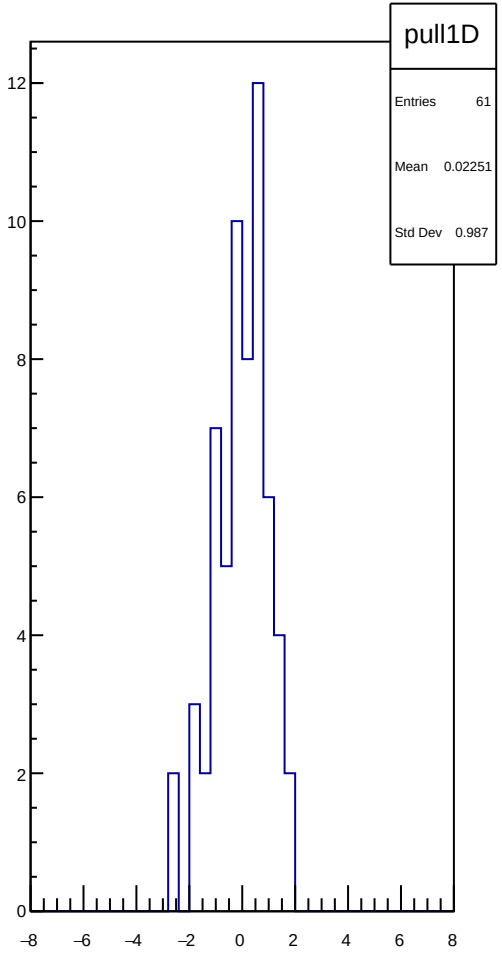

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 34.98 / 60
p0 14.6 ± 0.2206
pull
Entries 61
Mean 54.65
Std Dev 97.53

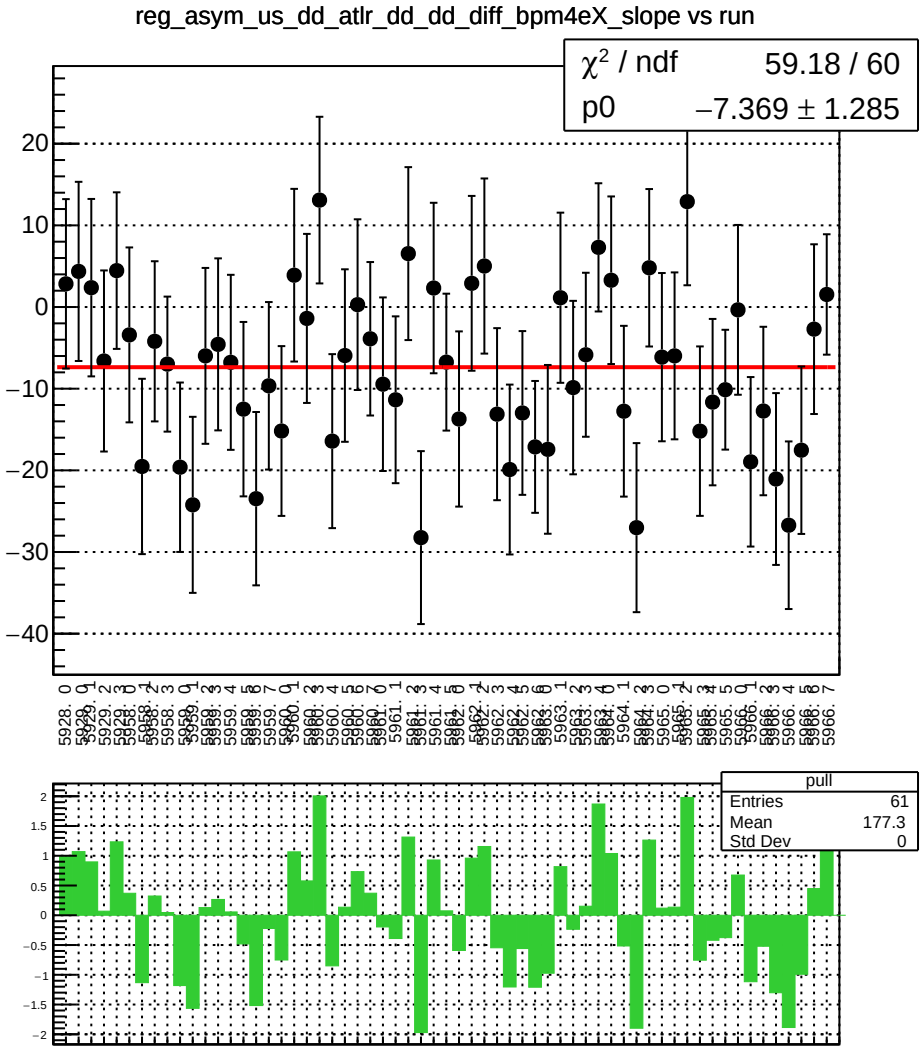

pull1D
Entries 61
Mean −0.00522
Std Dev 0.7573

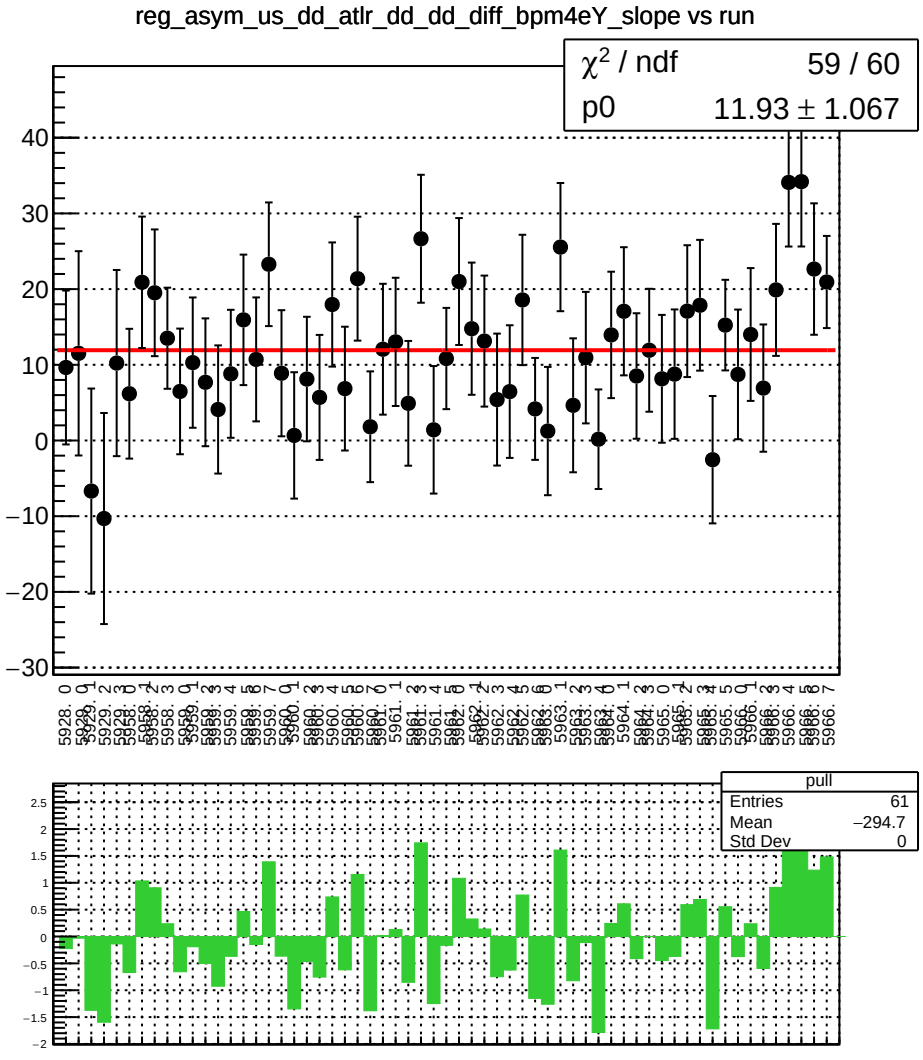

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.17 / 60
p0 −31.41 ± 1.243
pull
Entries 61
Mean 689.5
Std Dev 0

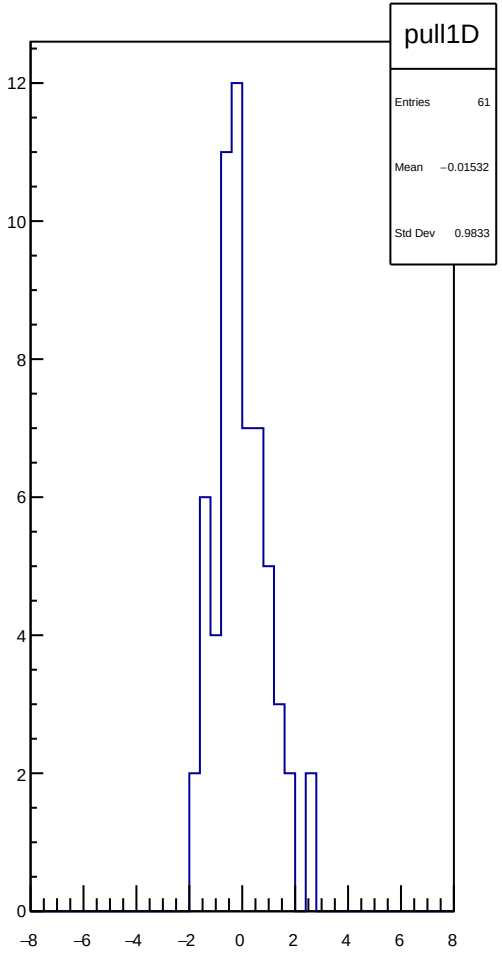

pull1D
Entries 61
Mean −0.003113
Std Dev 0.9681

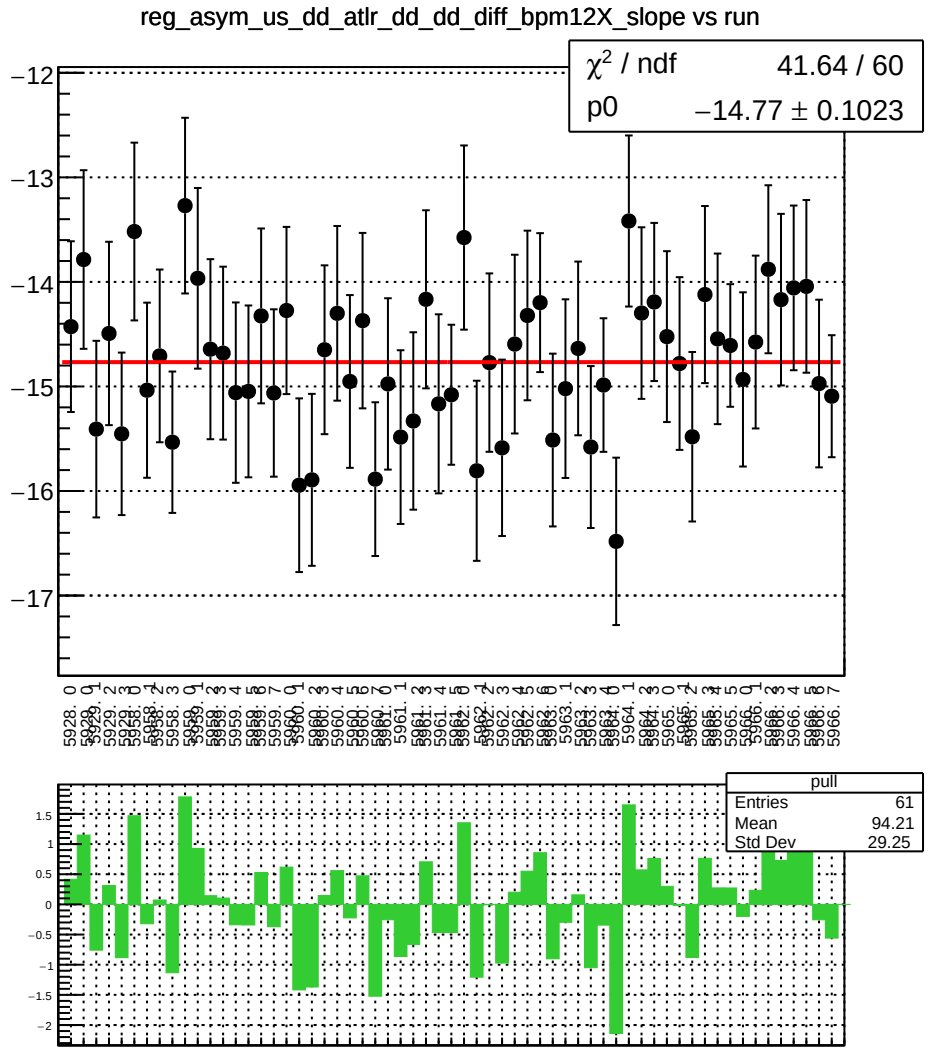

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.46 / 60
p0 −2.794 ± 0.8318
pull
Entries 61
Mean −218.2
Std Dev 0

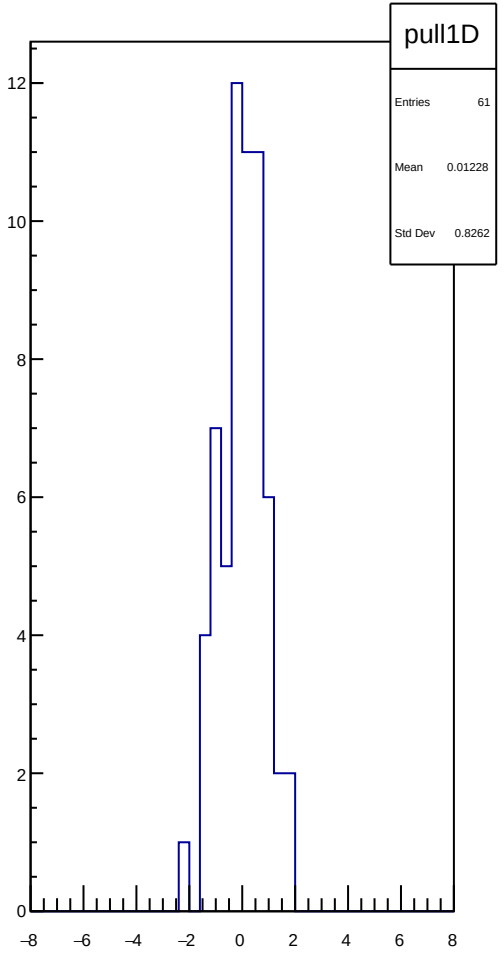

pull1D
Entries 61
Mean 0.02251
Std Dev 0.987

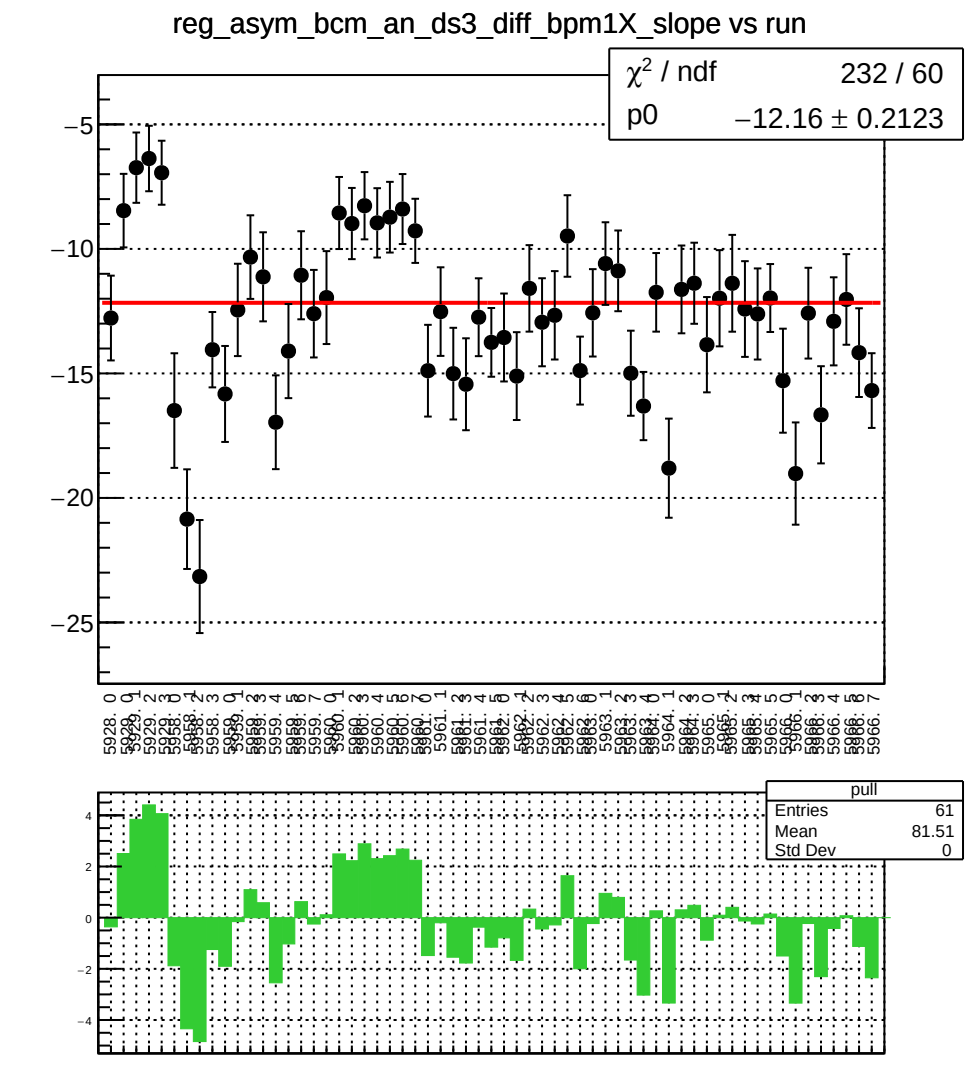

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.18 / 60
p0 −7.369 ± 1.285
pull
Entries 61
Mean 177.3
Std Dev 0
pull1D
Entries 61
Mean −0.0146
Std Dev 0.9848

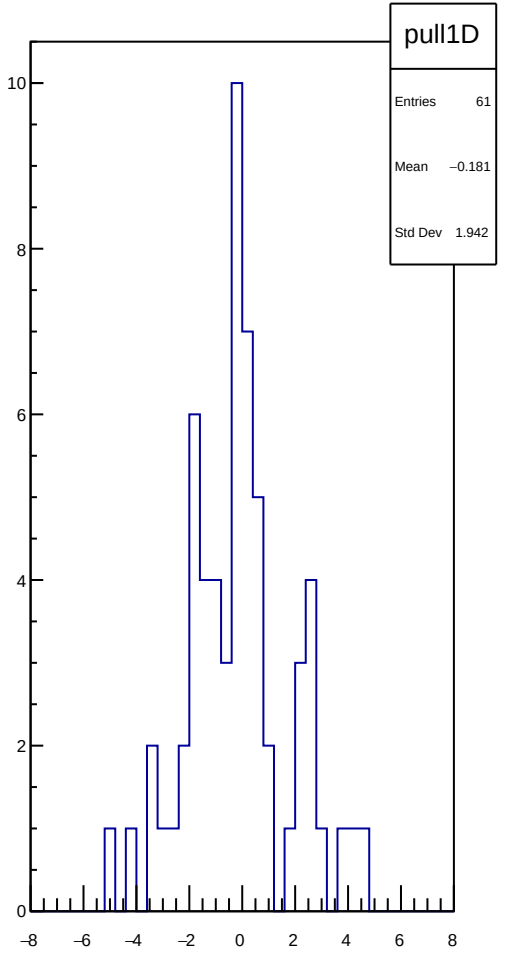

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 59 / 60
p0 11.93 ± 1.067
pull
Entries 61
Mean −294.7
Std Dev 0

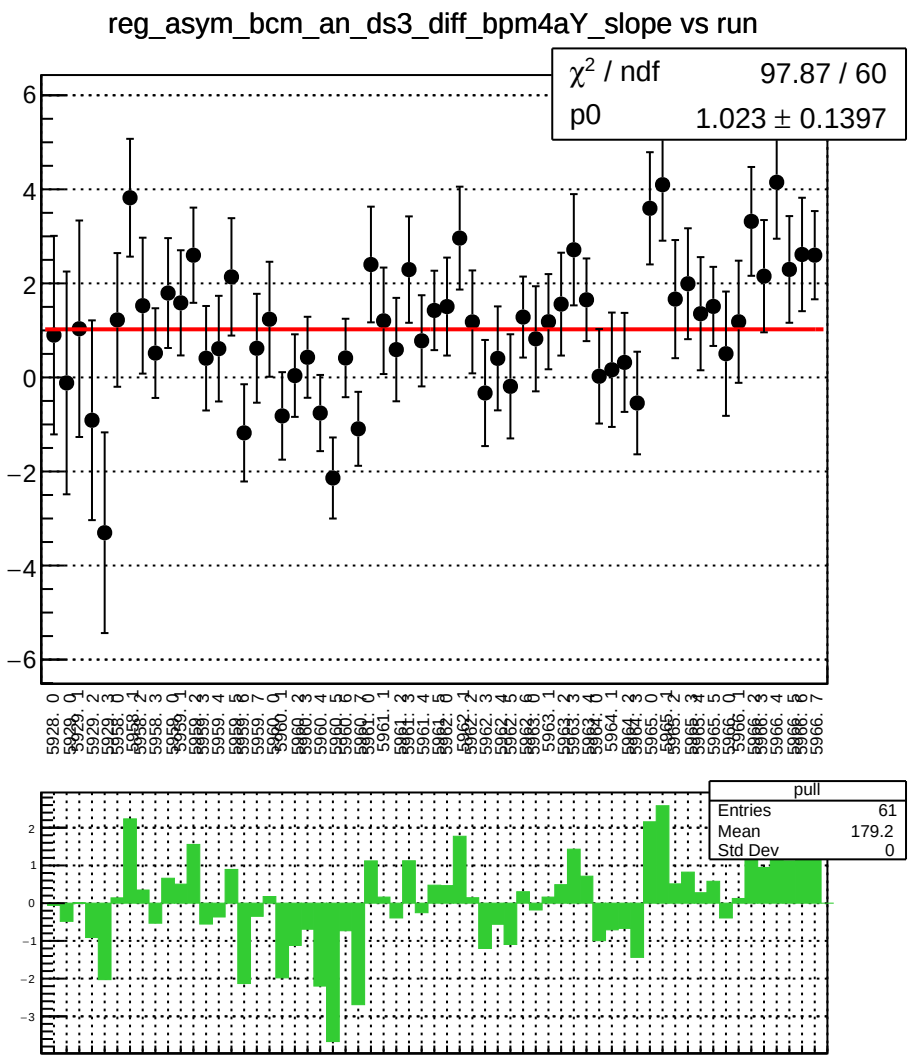

pull1D
Entries 61
Mean −0.01532
Std Dev 0.9833

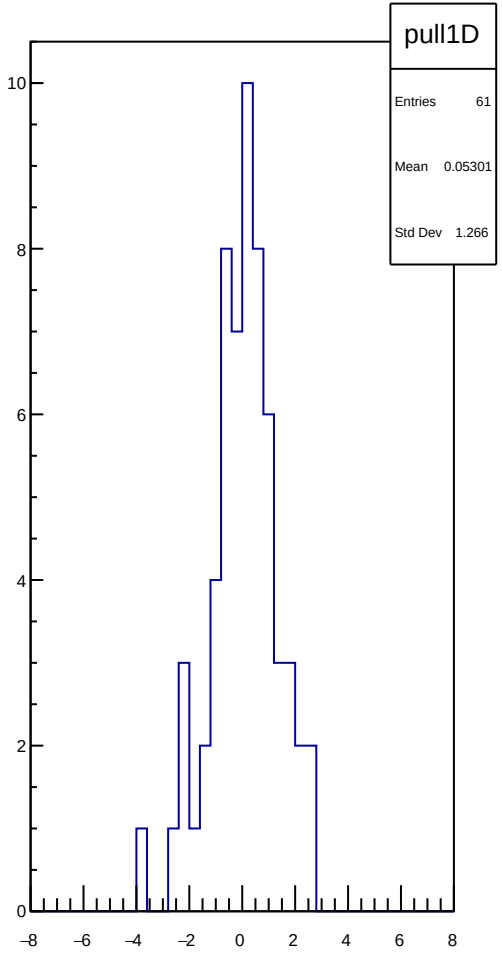

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 41.64 / 60
p0 −14.77 ± 0.1023
pull
Entries 61
Mean 94.21
Std Dev 29.25

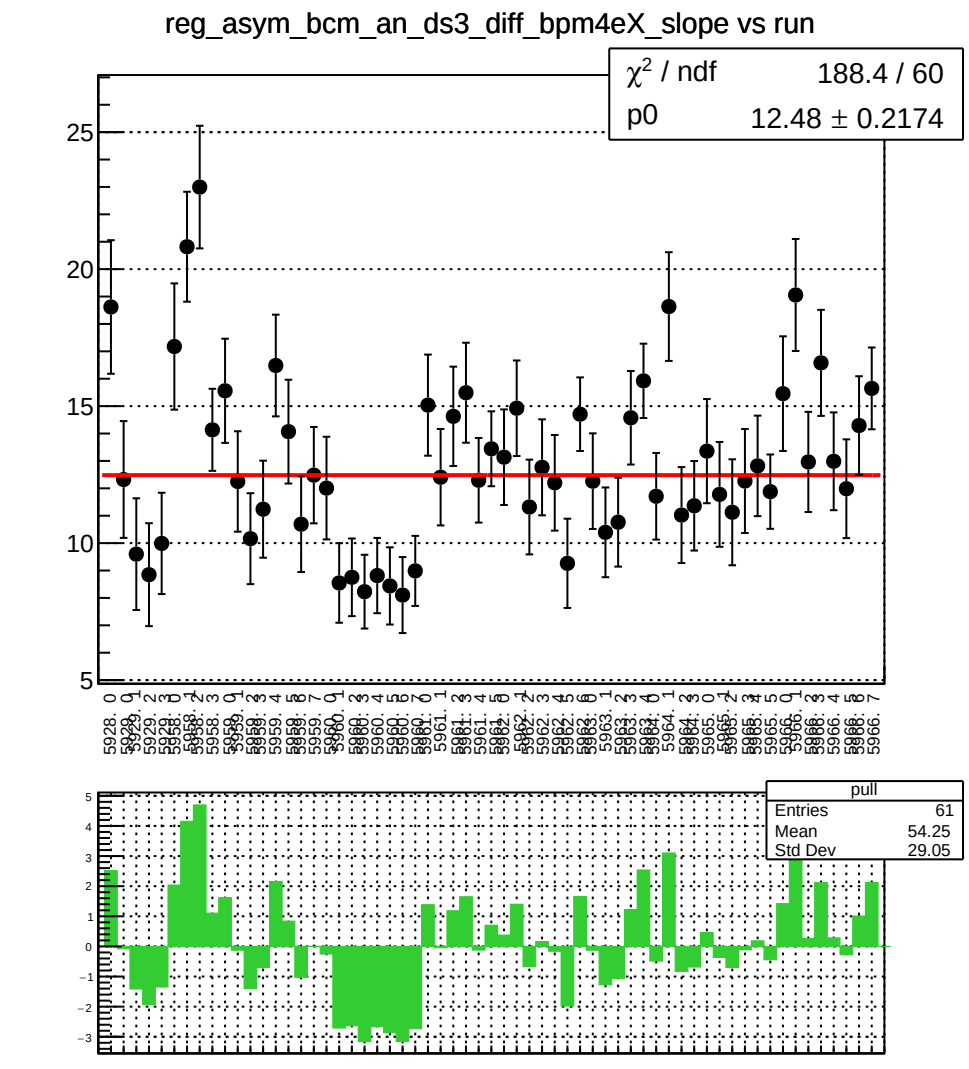

pull1D
Entries 61
Mean 0.01228
Std Dev 0.8262

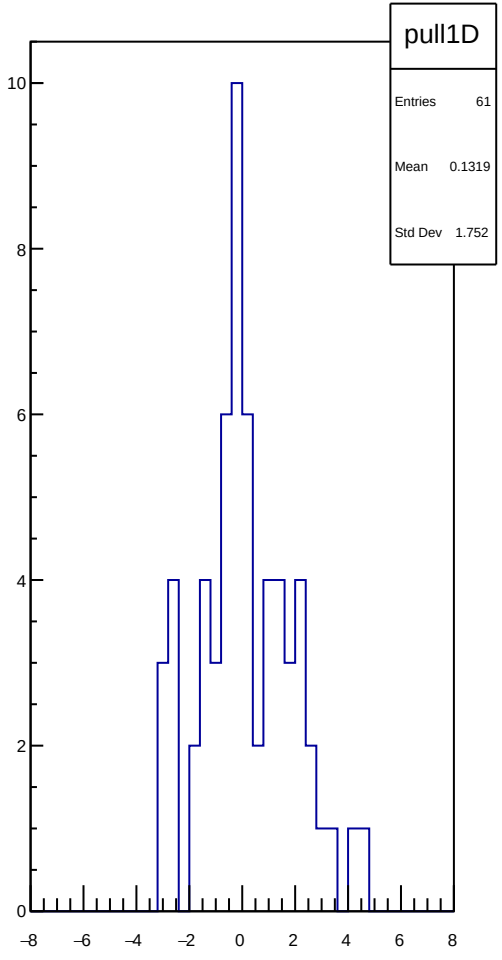

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 232 / 60
p0 −12.16 ± 0.2123
pull
Entries 61
Mean 81.51
Std Dev 0

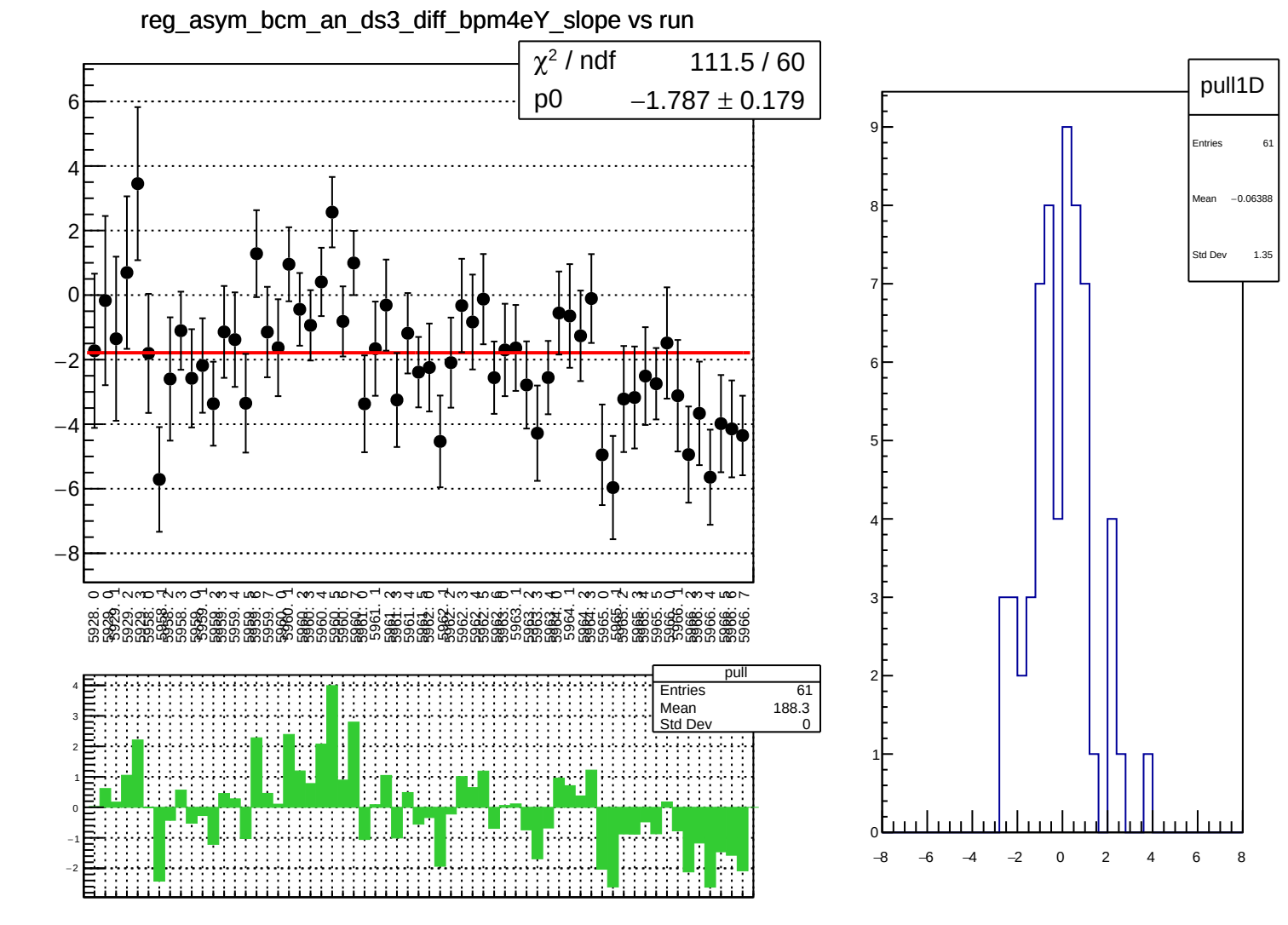

pull1D
Entries 61
Mean −0.181
Std Dev 1.942

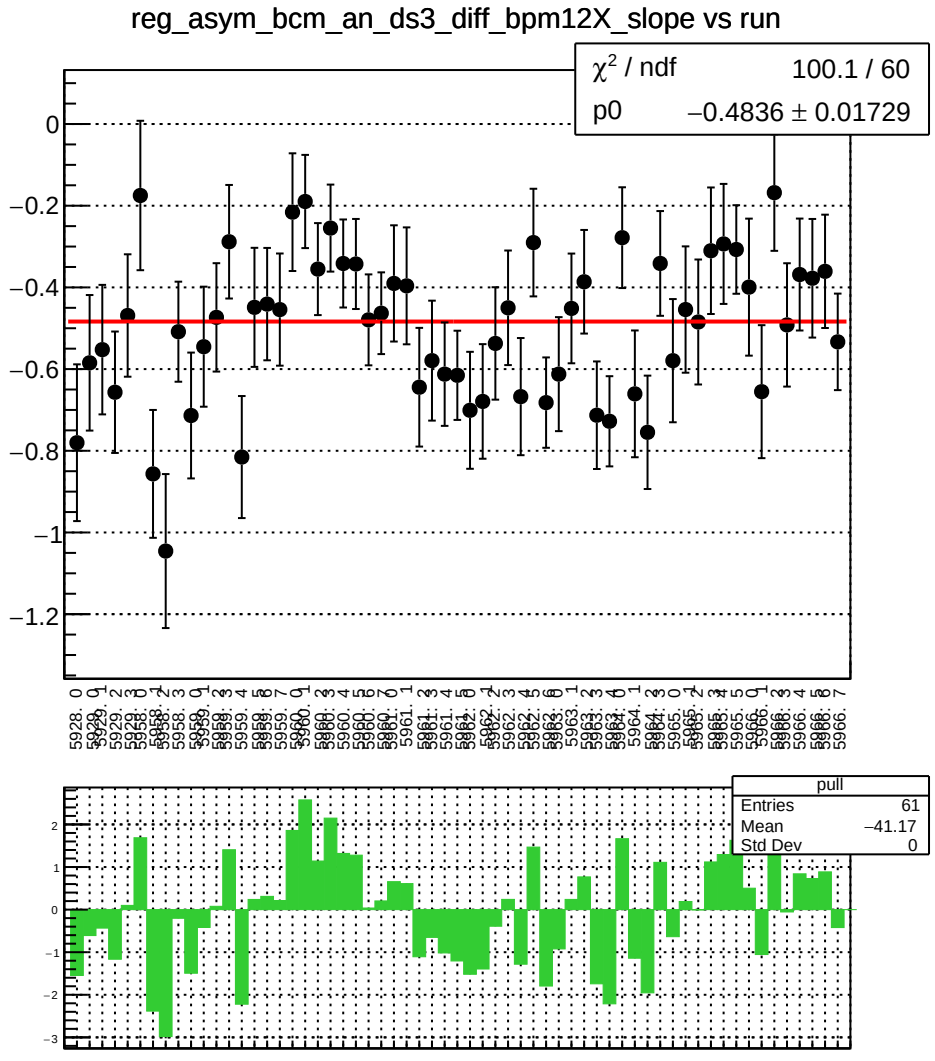

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 97.87 / 60
p0 1.023 ± 0.1397
pull
Entries 61
Mean 179.2
Std Dev 0

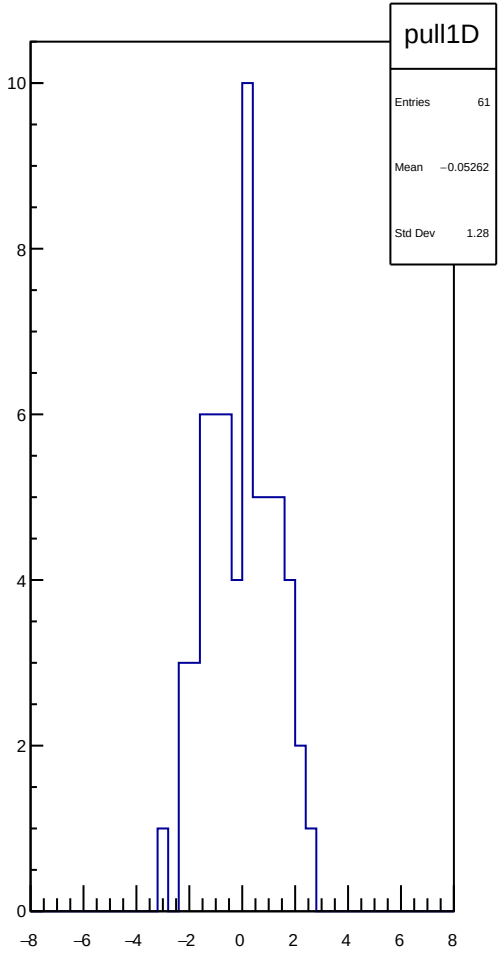

pull1D
Entries 61
Mean 0.05301
Std Dev 1.266

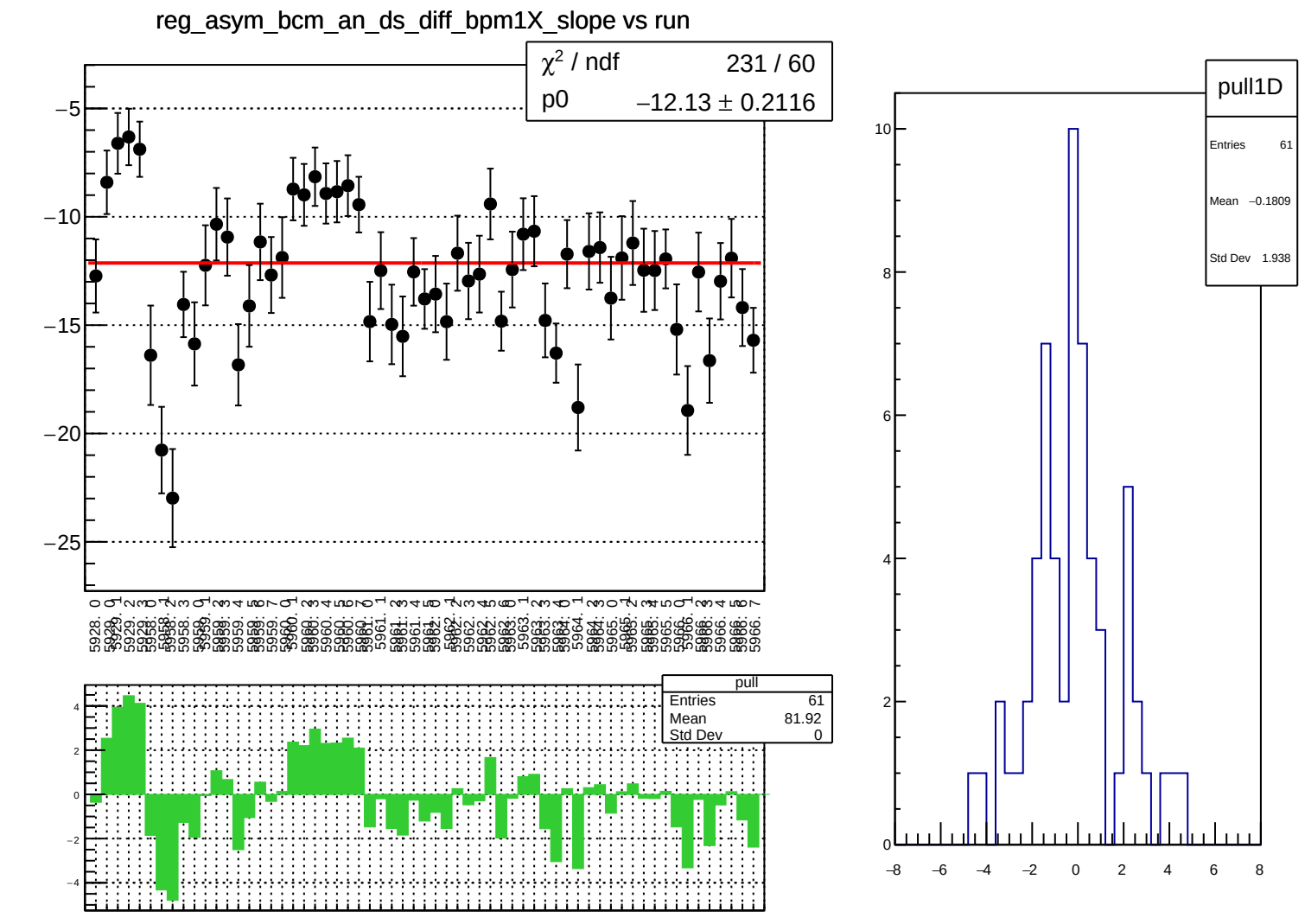

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 188.4 / 60
p0 12.48 ± 0.2174
pull
Entries 61
Mean 54.25
Std Dev 29.05

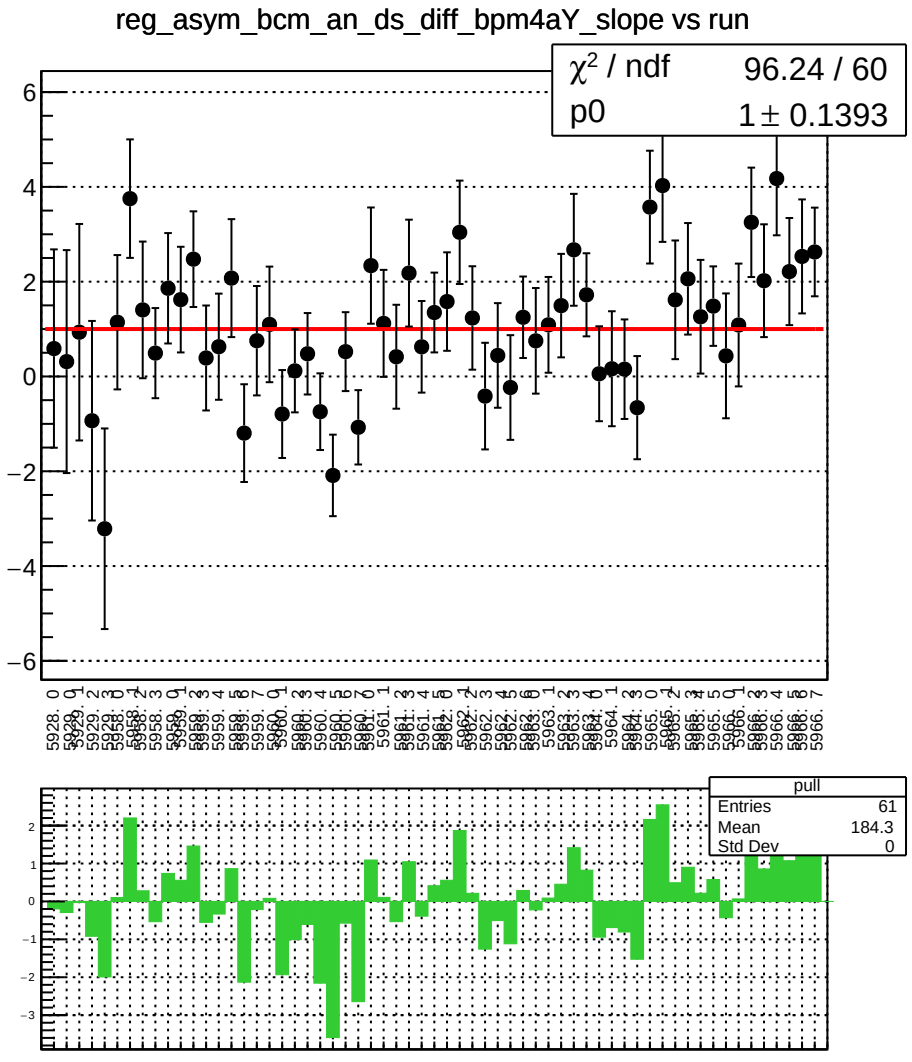

pull1D
Entries 61
Mean 0.1319
Std Dev 1.752

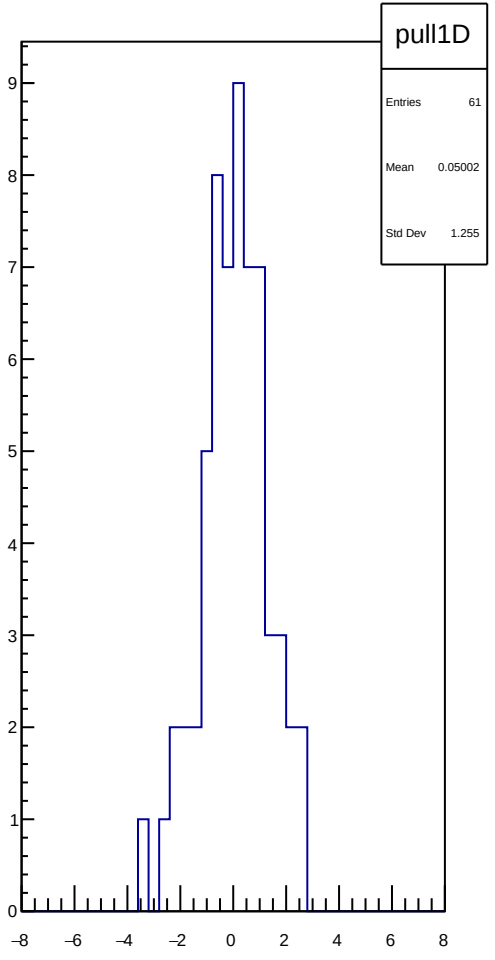

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 111.5 / 60
p0 −1.787 ± 0.179
pull
Entries 61
Mean 188.3
Std Dev 0
pull1D
Entries 61
Mean −0.06388
Std Dev 1.35

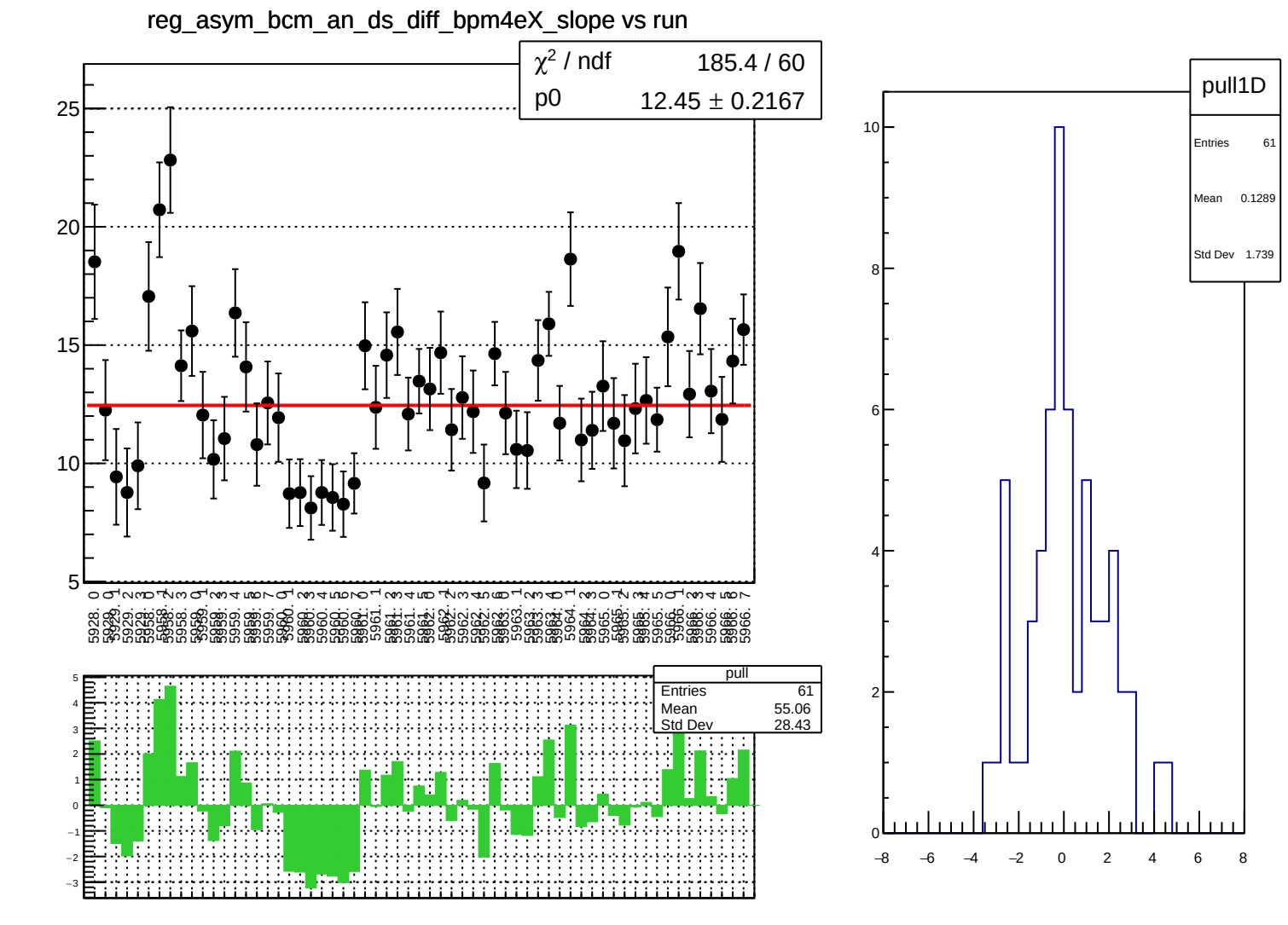

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 100.1 / 60
p0 −0.4836 ± 0.01729
pull
Entries 61
Mean −41.17
Std Dev 0

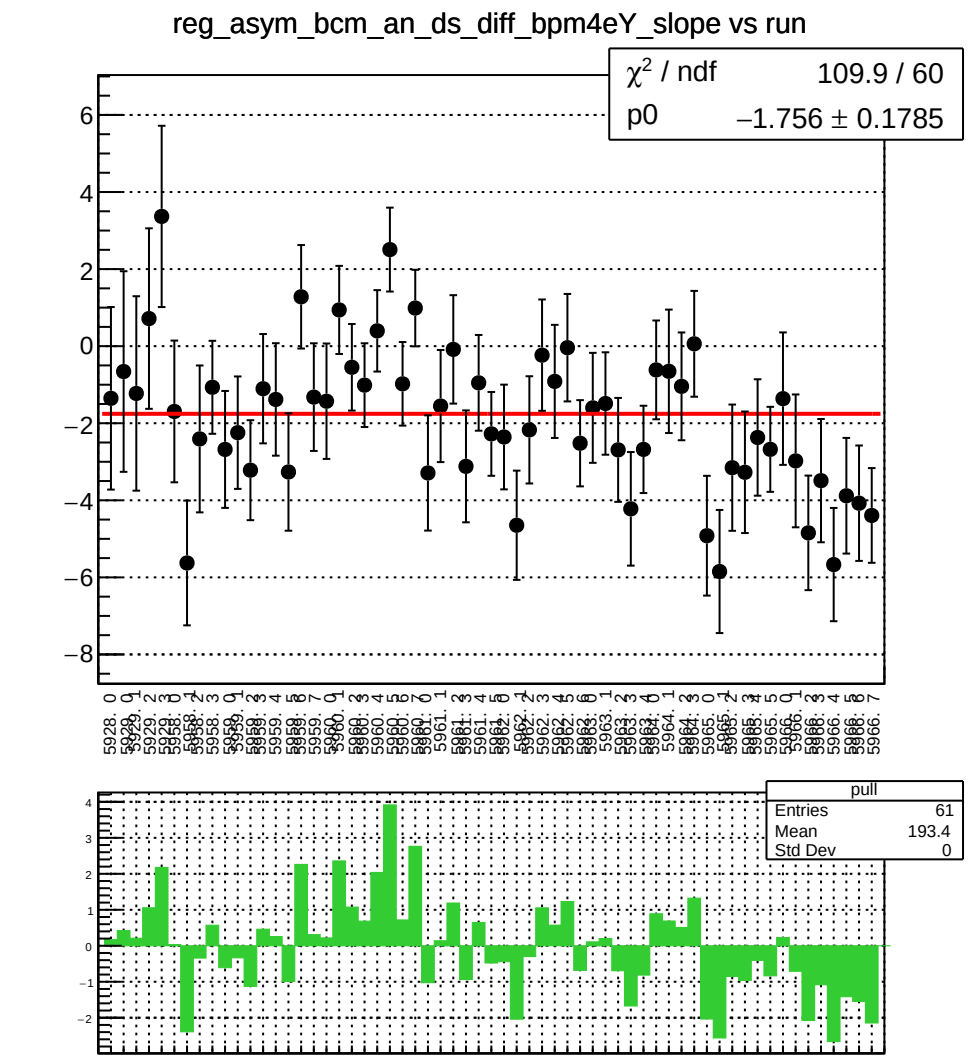

pull1D
Entries 61
Mean −0.05262
Std Dev 1.28

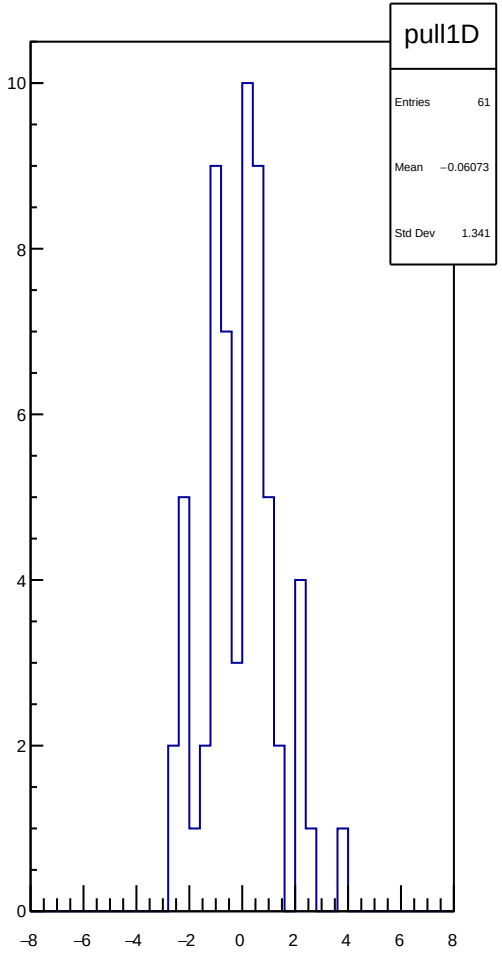

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 231 / 60
p0 −12.13 ± 0.2116
pull
Entries 61
Mean 81.92
Std Dev 0
pull1D
Entries 61
Mean −0.1809
Std Dev 1.938

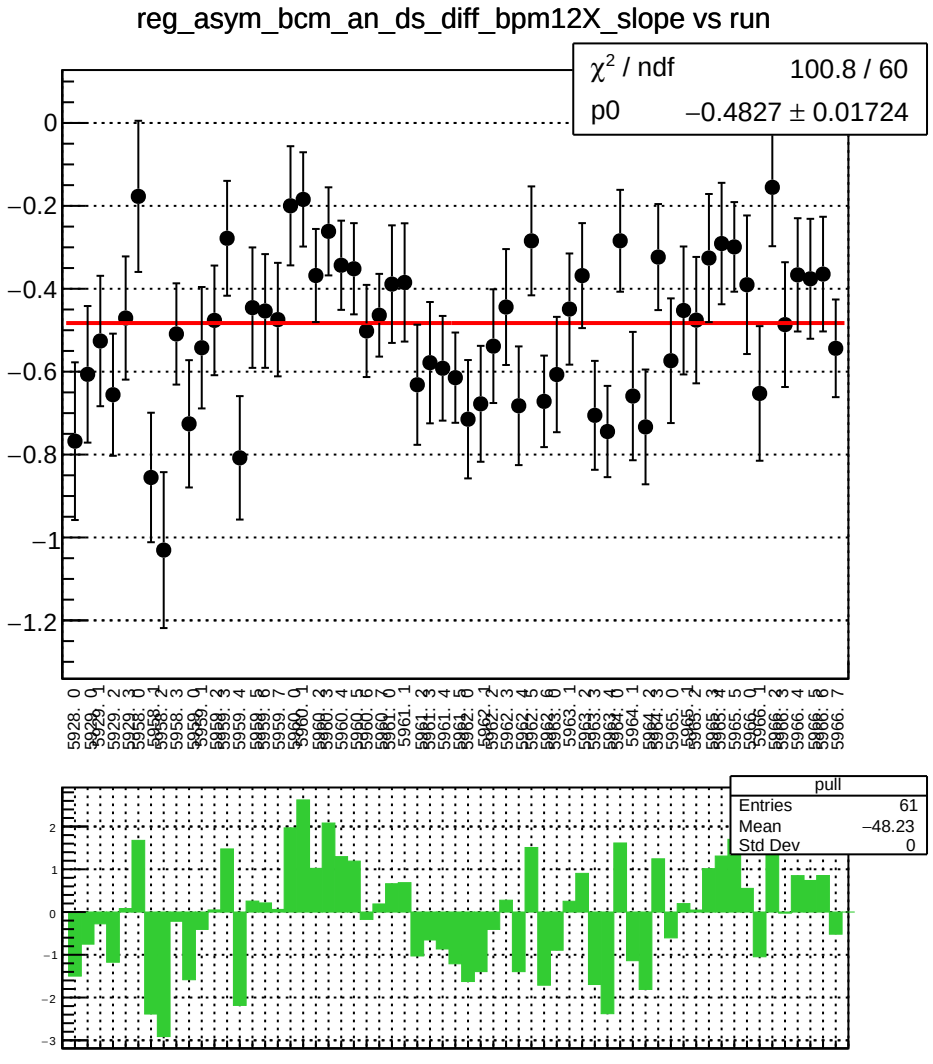

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 96.24 / 60
p0 1 ± 0.1393
pull
Entries 61
Mean 184.3
Std Dev 0

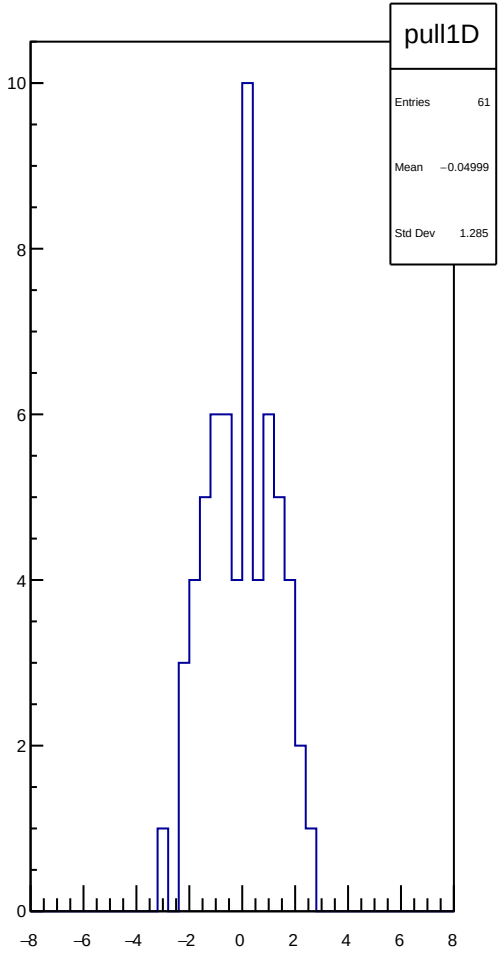

pull1D
Entries 61
Mean 0.05002
Std Dev 1.255

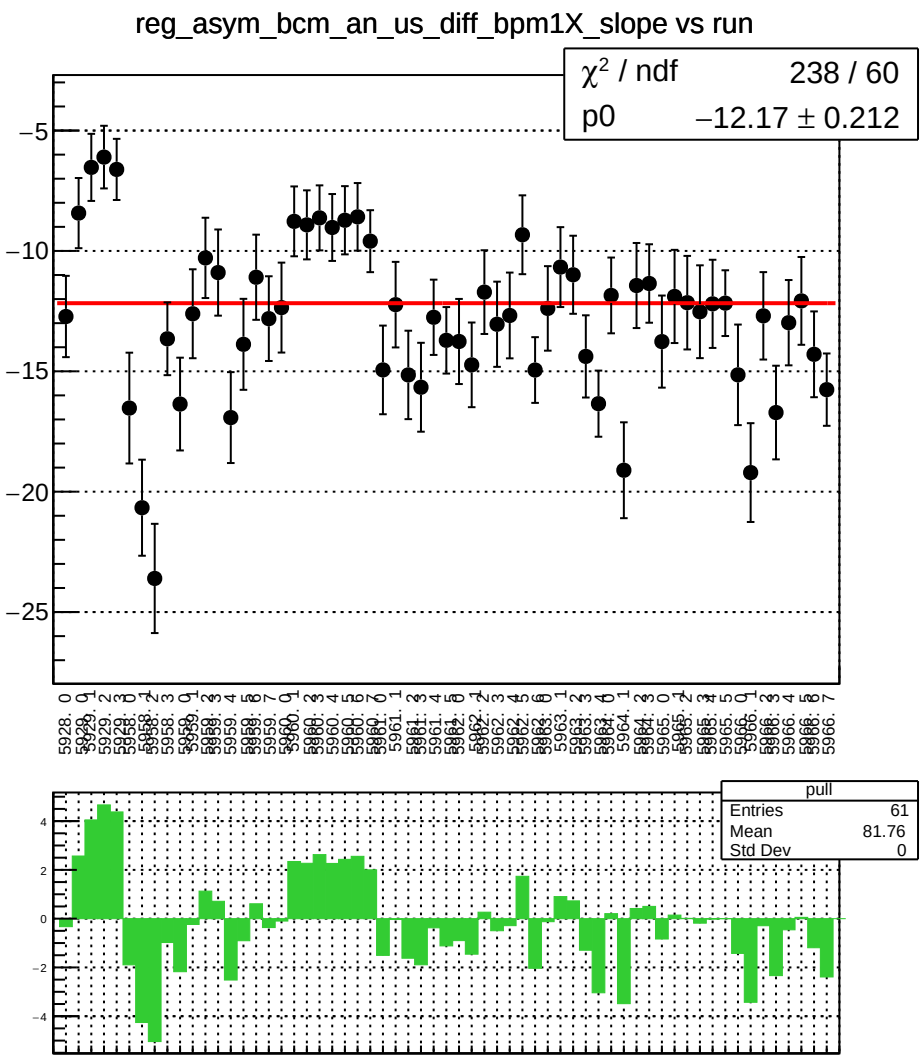

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 185.4 / 60
p0 12.45 ± 0.2167
pull
Entries 61
Mean 55.06
Std Dev 28.43
pull1D
Entries 61
Mean 0.1289
Std Dev 1.739

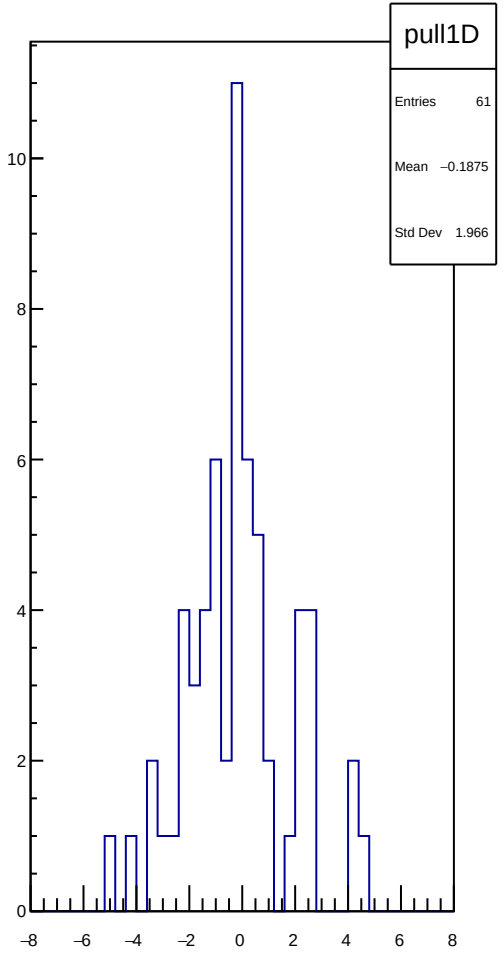

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 109.9 / 60
p0 −1.756 ± 0.1785
pull
Entries 61
Mean 193.4
Std Dev 0

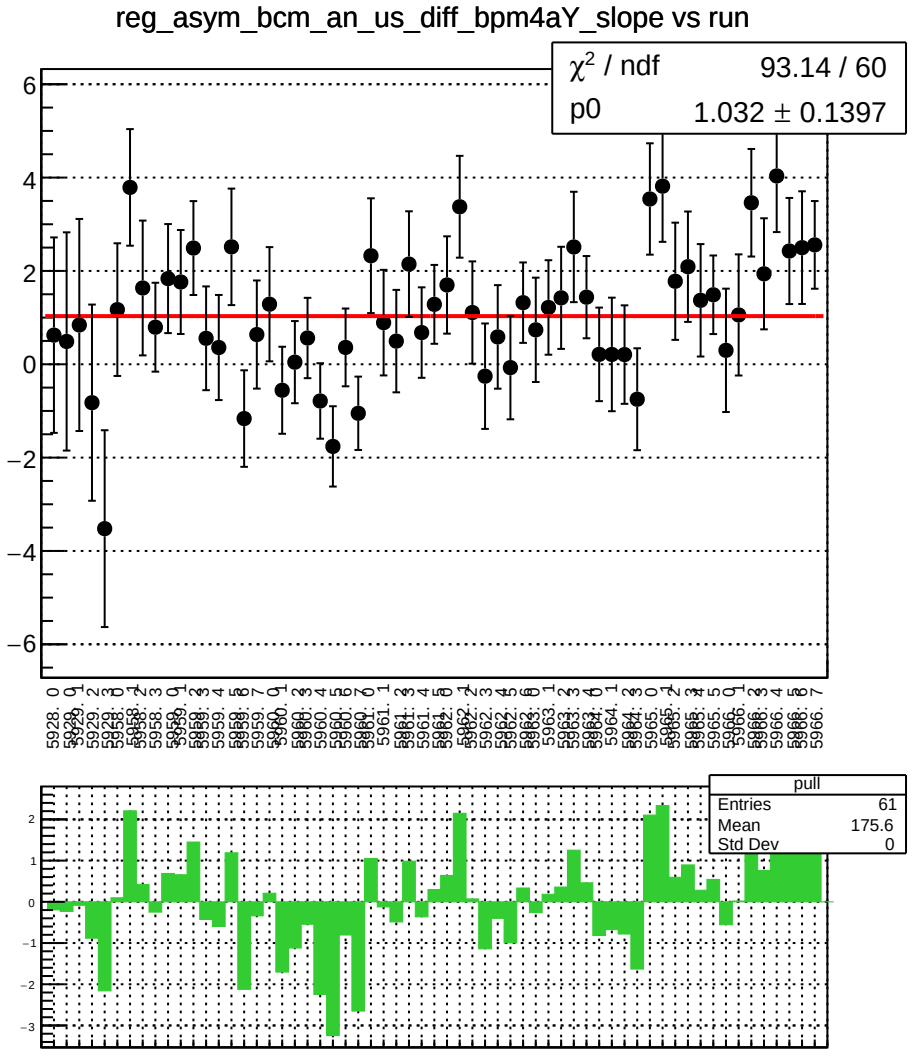

pull1D
Entries 61
Mean −0.06073
Std Dev 1.341

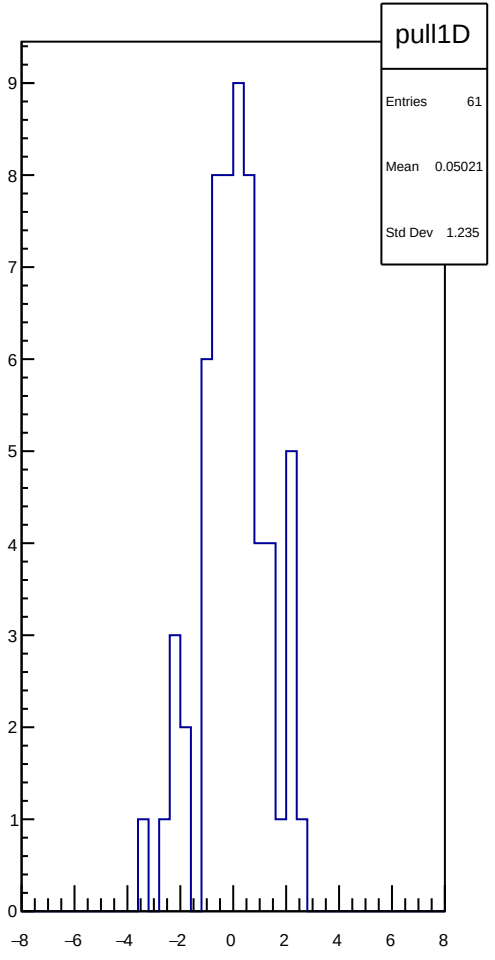

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 100.8 / 60
p0 −0.4827 ± 0.01724
pull
Entries 61
Mean −48.23
Std Dev 0

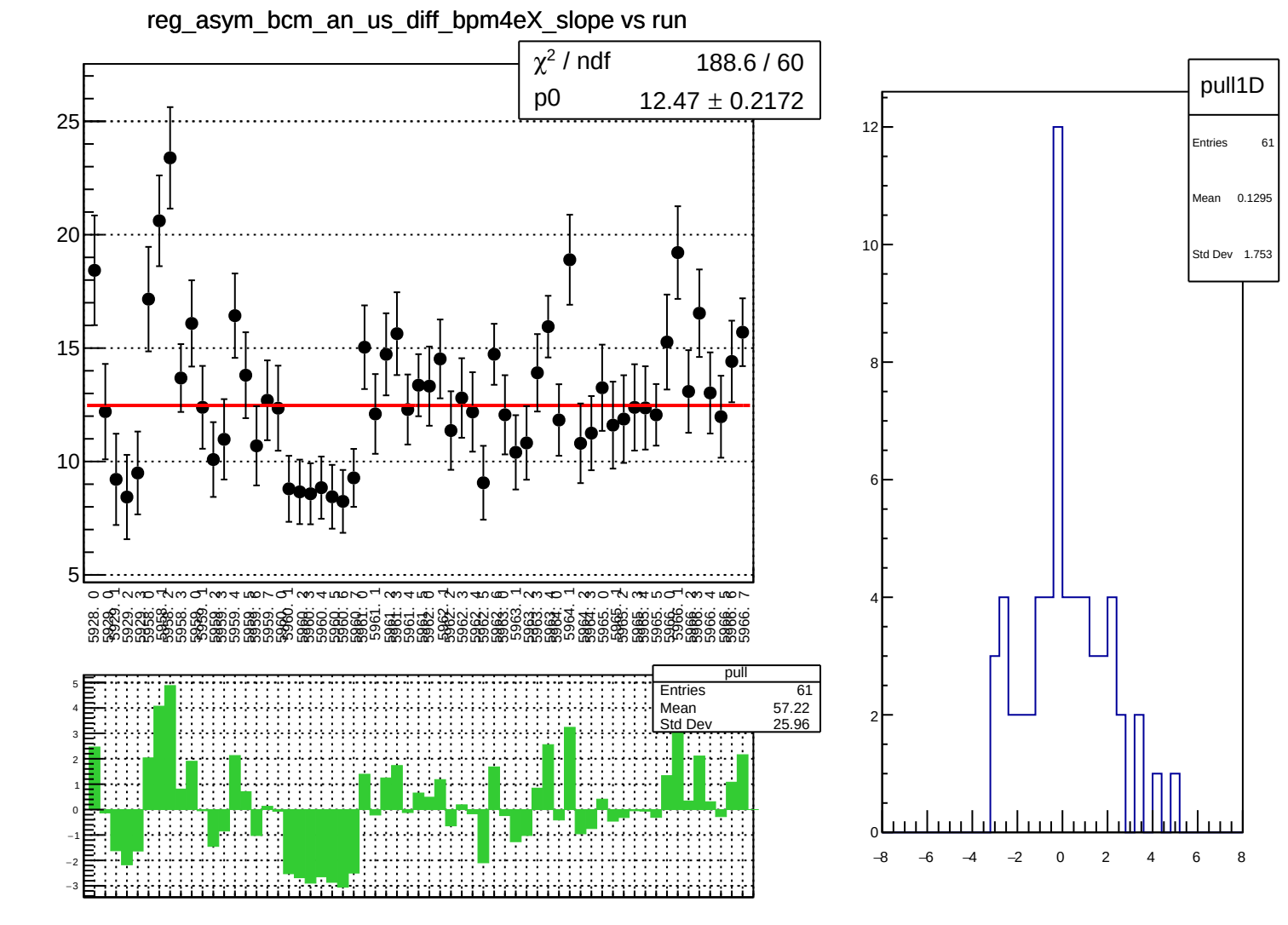

pull1D
Entries 61
Mean −0.04999
Std Dev 1.285

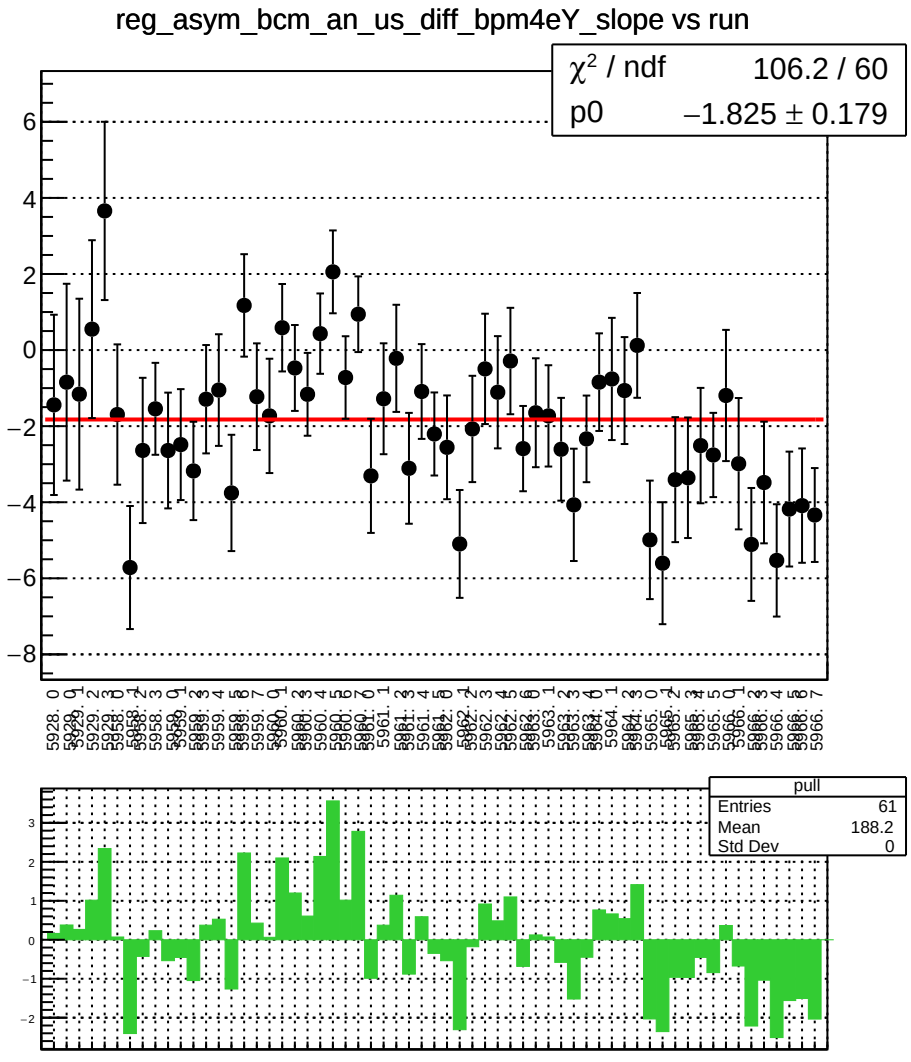

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 238 / 60
p0 −12.17 ± 0.212
pull
Entries 61
Mean 81.76
Std Dev 0

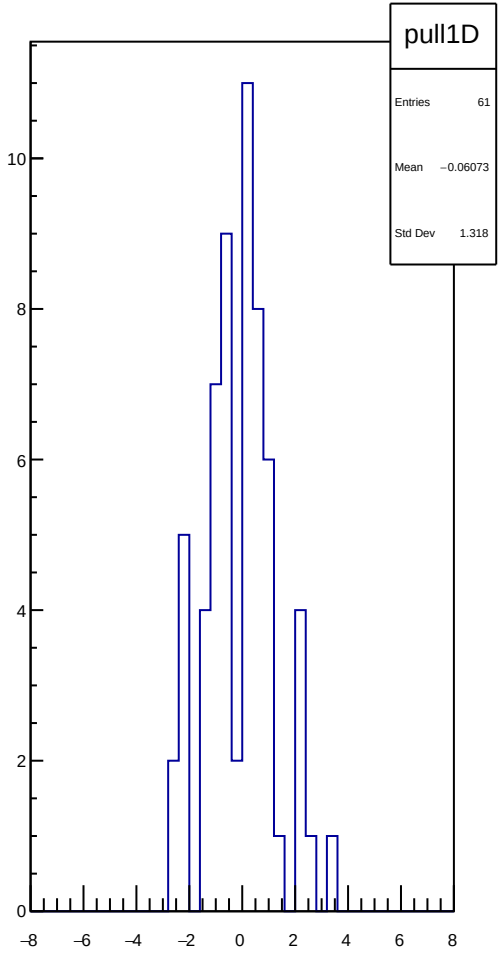

pull1D
Entries 61
Mean −0.1875
Std Dev 1.966

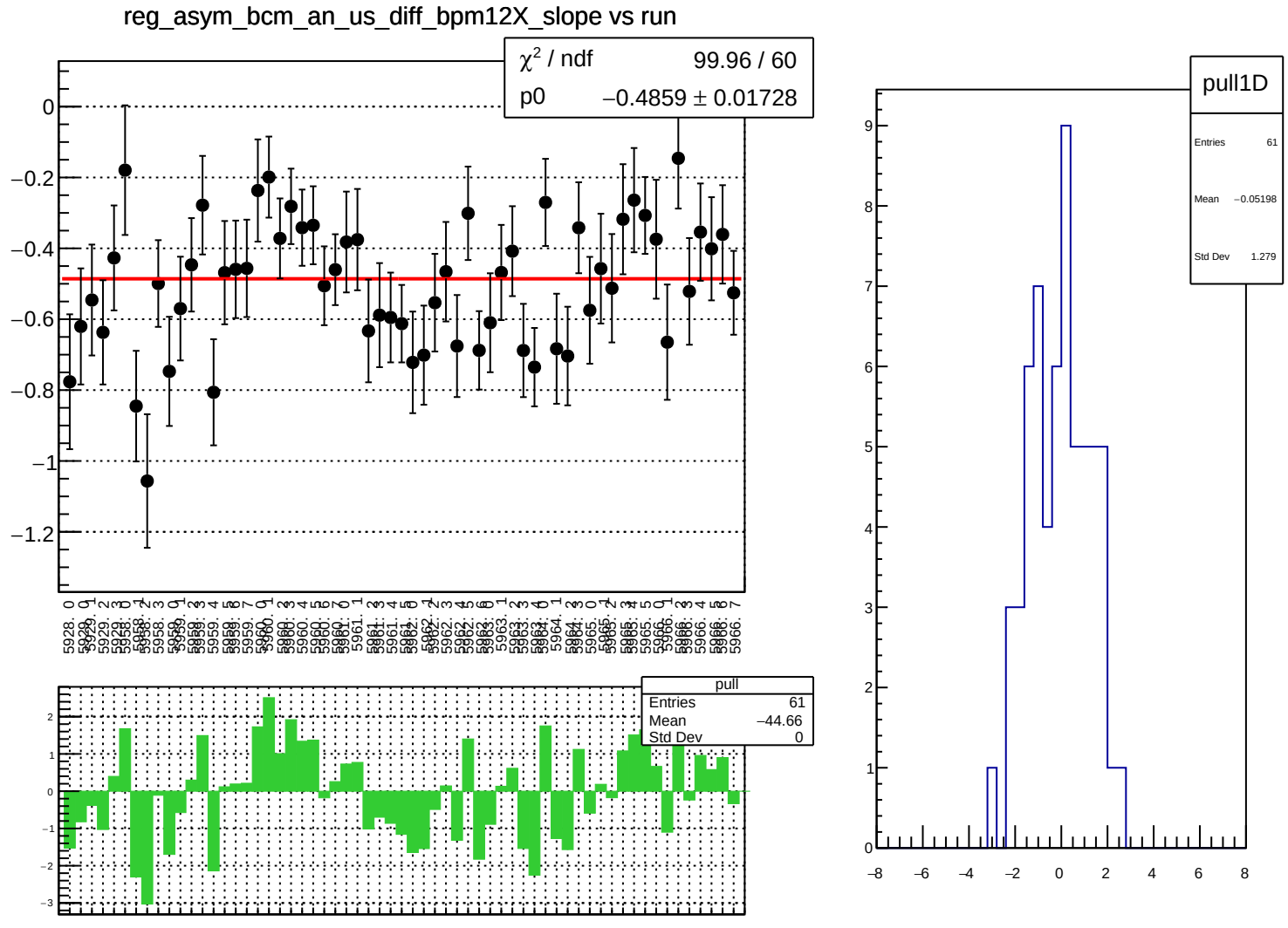

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 93.14 / 60
p0 1.032 ± 0.1397
pull
Entries 61
Mean 175.6
Std Dev 0

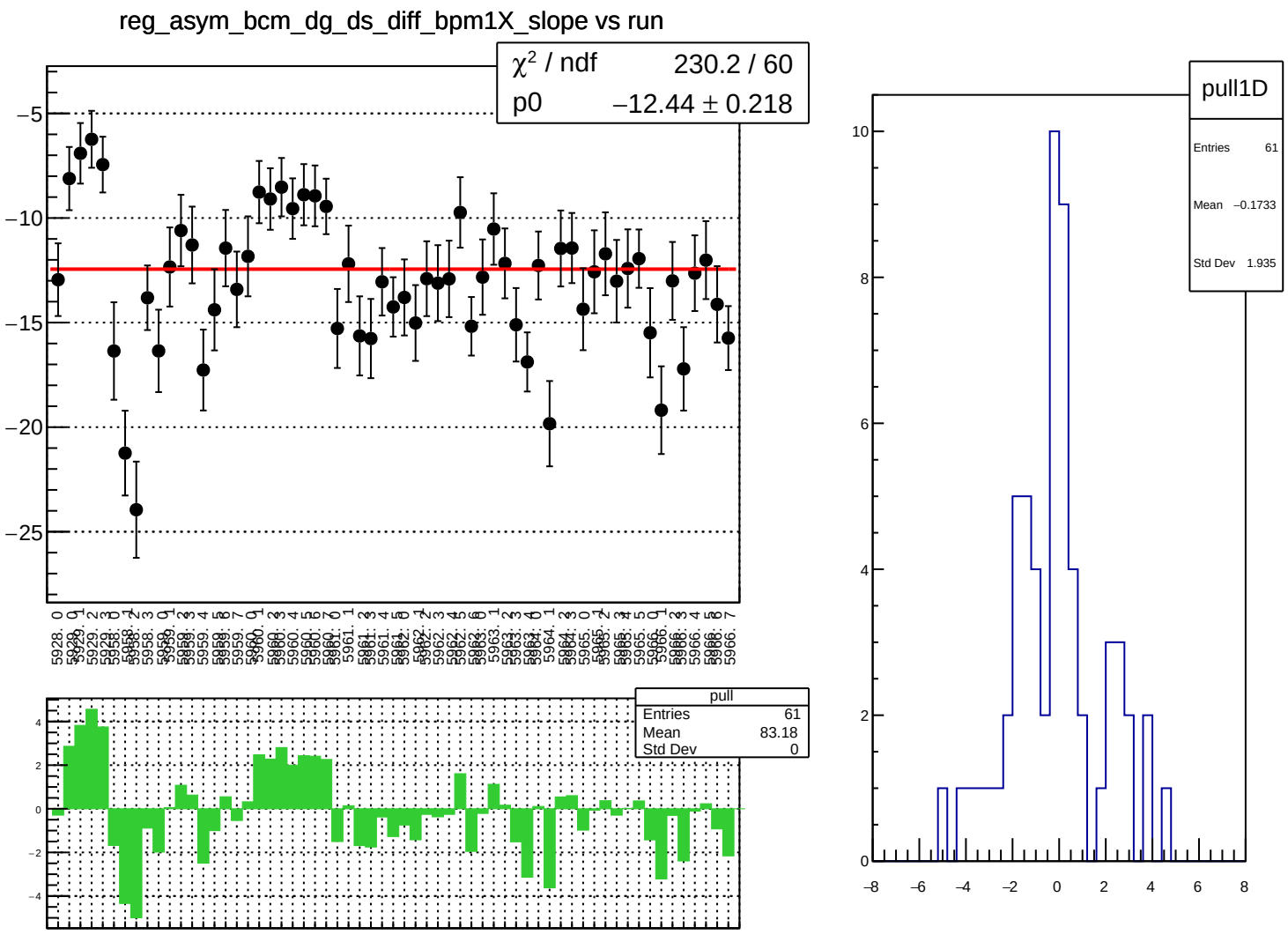

pull1D
Entries 61
Mean 0.05021
Std Dev 1.235

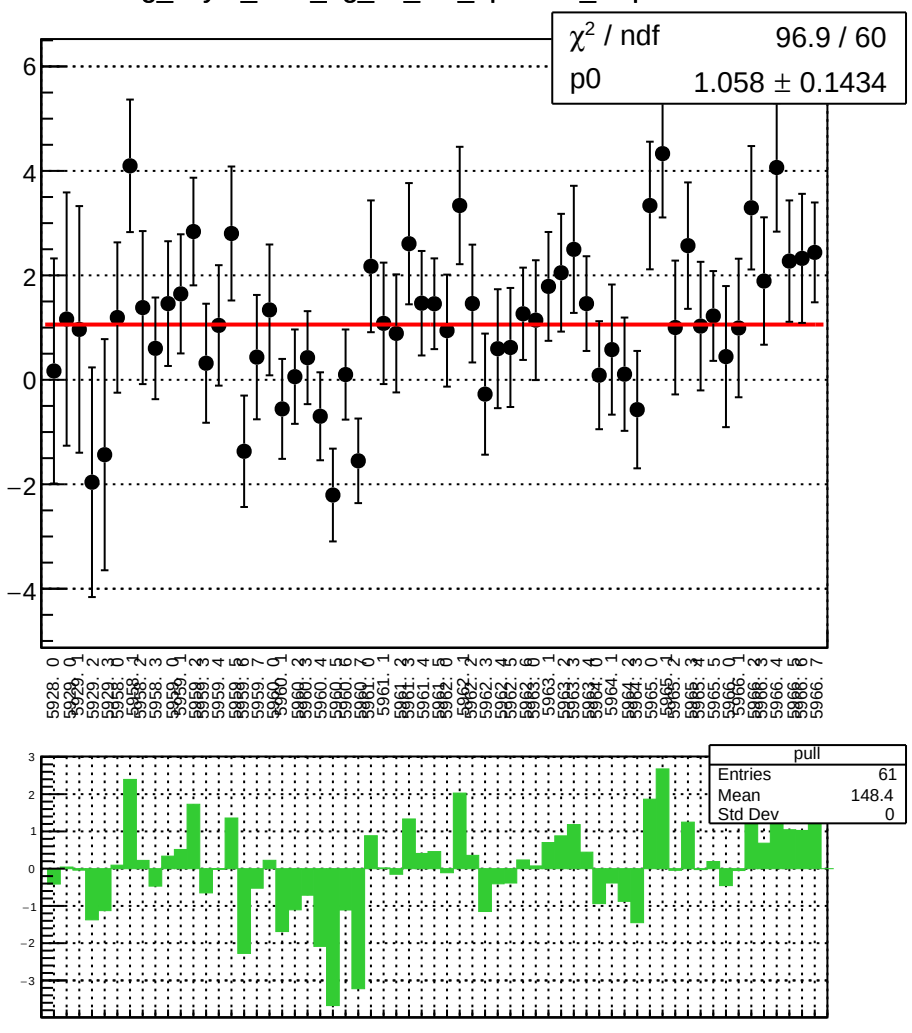

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 188.6 / 60
p0 12.47 ± 0.2172
pull
Entries 61
Mean 57.22
Std Dev 25.96
pull1D
Entries 61
Mean 0.1295
Std Dev 1.753

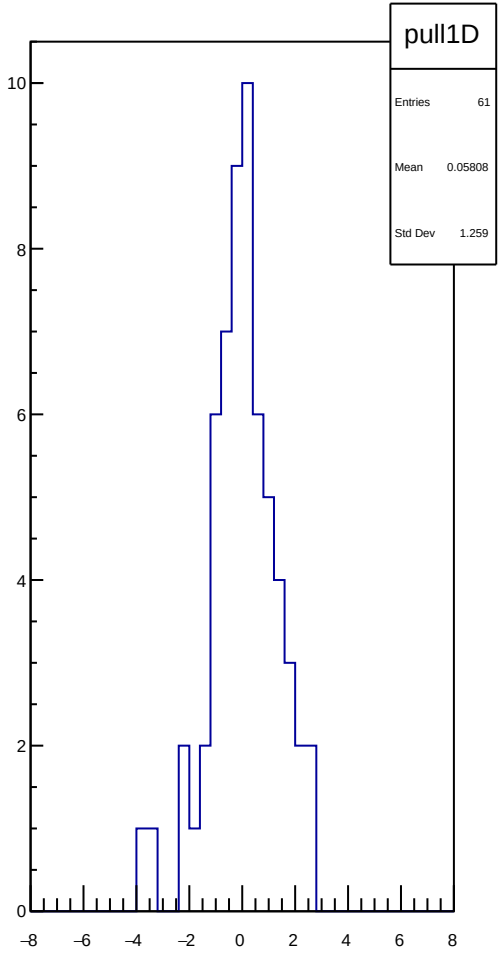

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 106.2 / 60
p0 −1.825 ± 0.179
pull
Entries 61
Mean 188.2
Std Dev 0

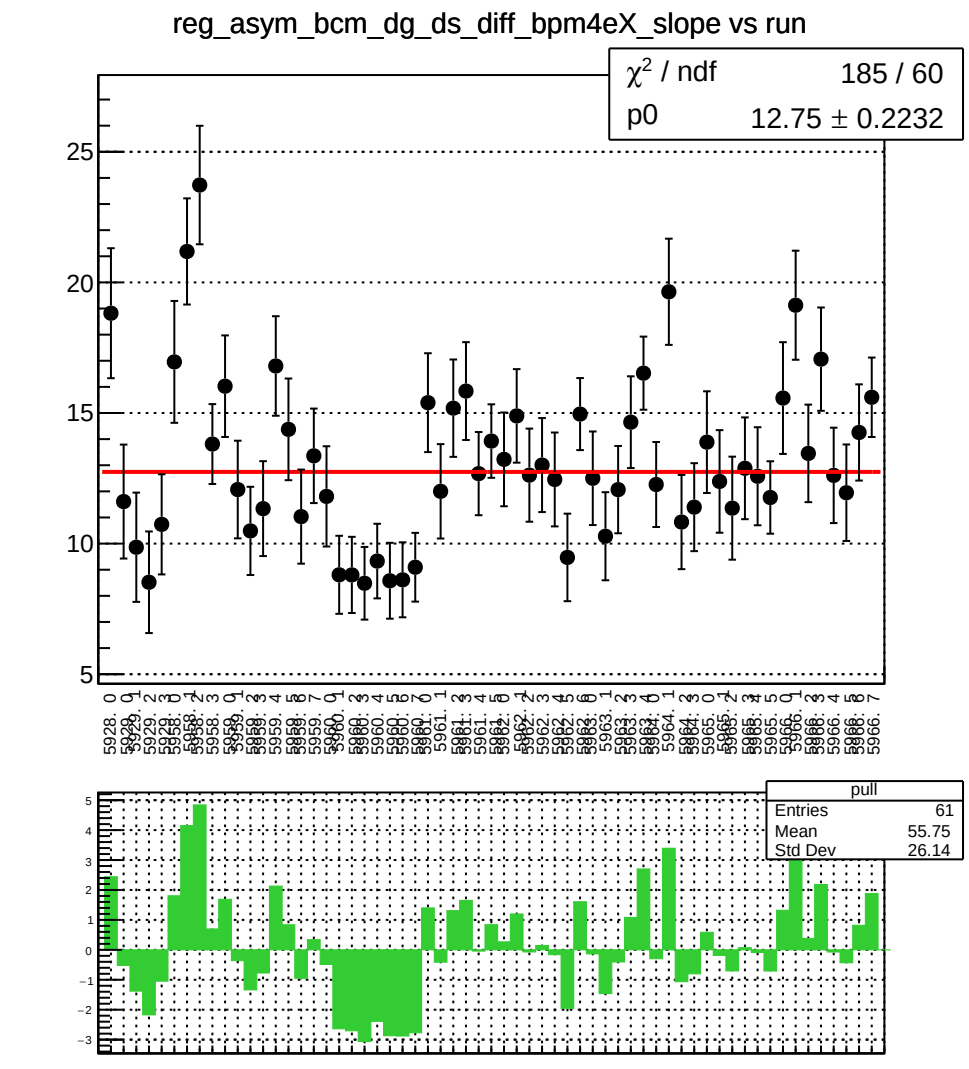

pull1D
Entries 61
Mean −0.06073
Std Dev 1.318

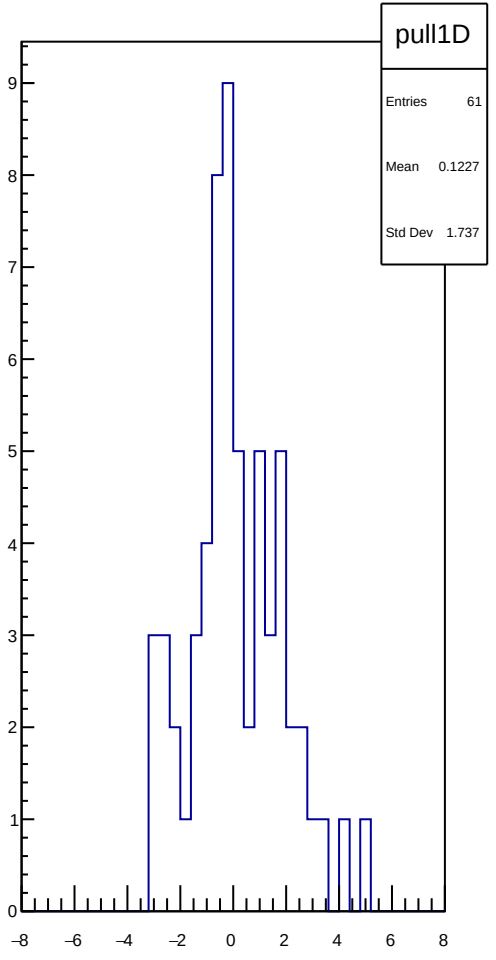

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 99.96 / 60
p0 −0.4859 ± 0.01728
pull
Entries 61
Mean −44.66
Std Dev 0
pull1D
Entries 61
Mean −0.05198
Std Dev 1.279

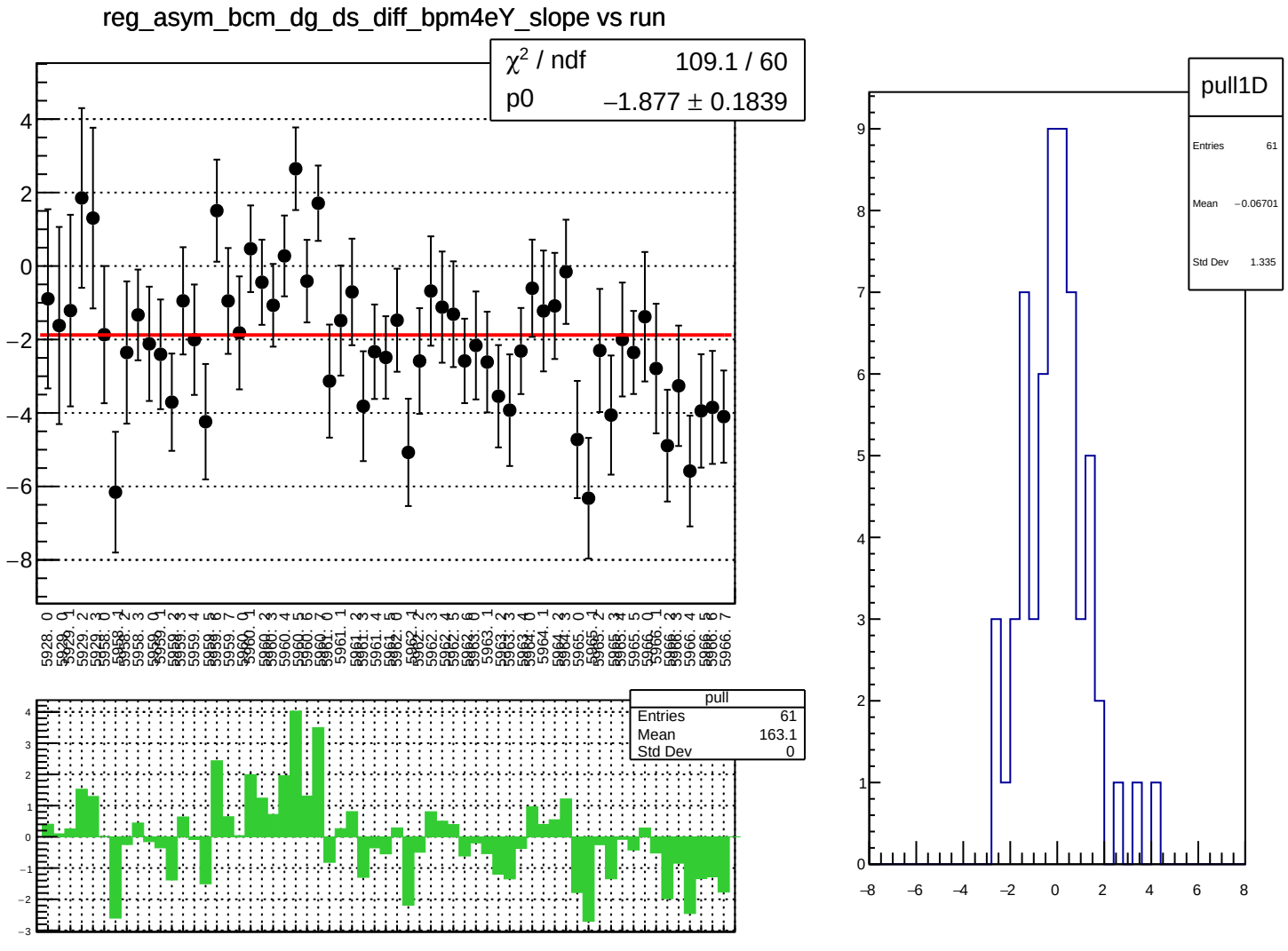

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 230.2 / 60
p0 −12.44 ± 0.218
pull
Entries 61
Mean 83.18
Std Dev 0
pull1D
Entries 61
Mean −0.1733
Std Dev 1.935

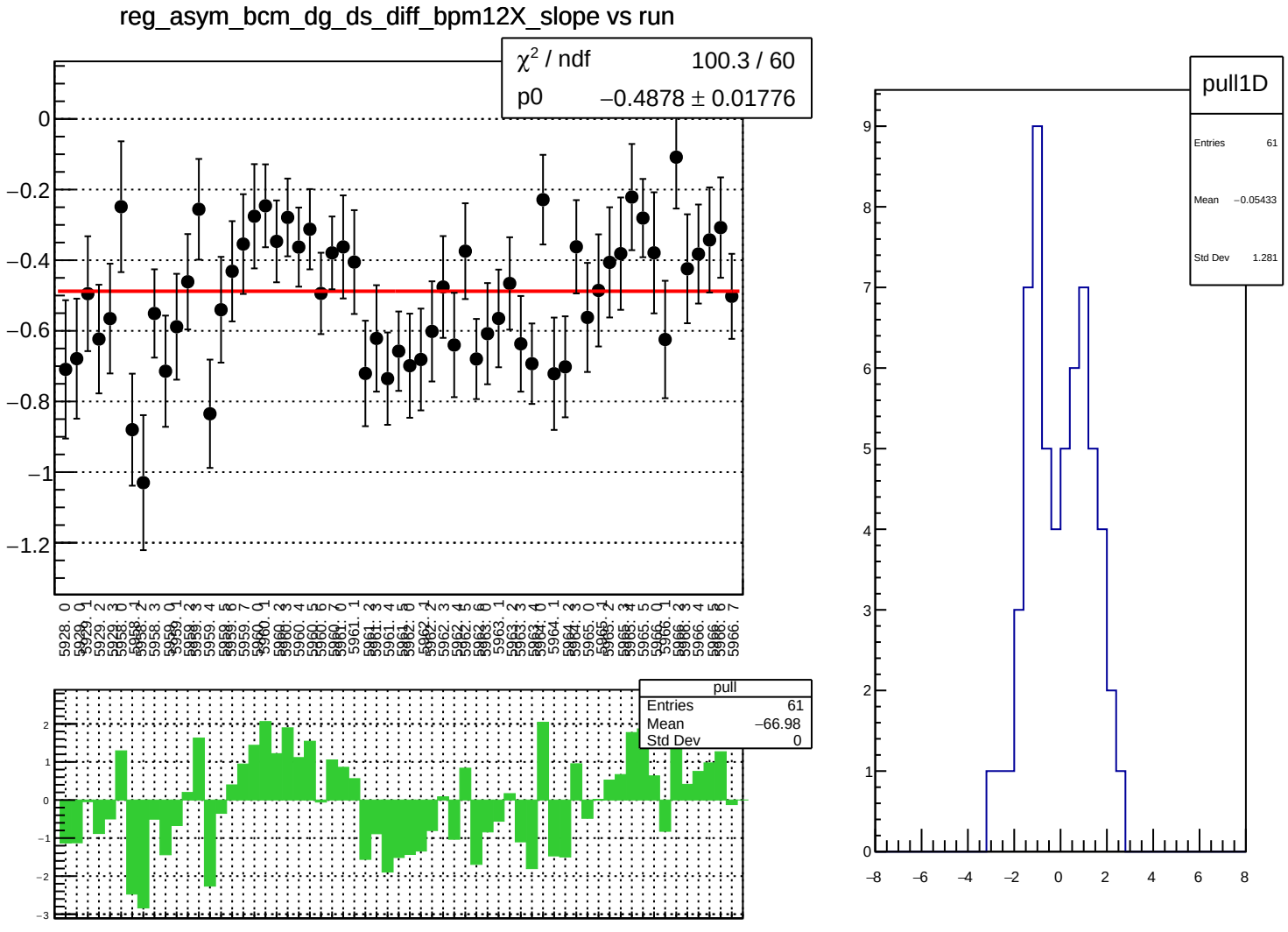

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 96.9 / 60
p0 1.058 ± 0.1434
pull
Entries 61
Mean 148.4
Std Dev 0

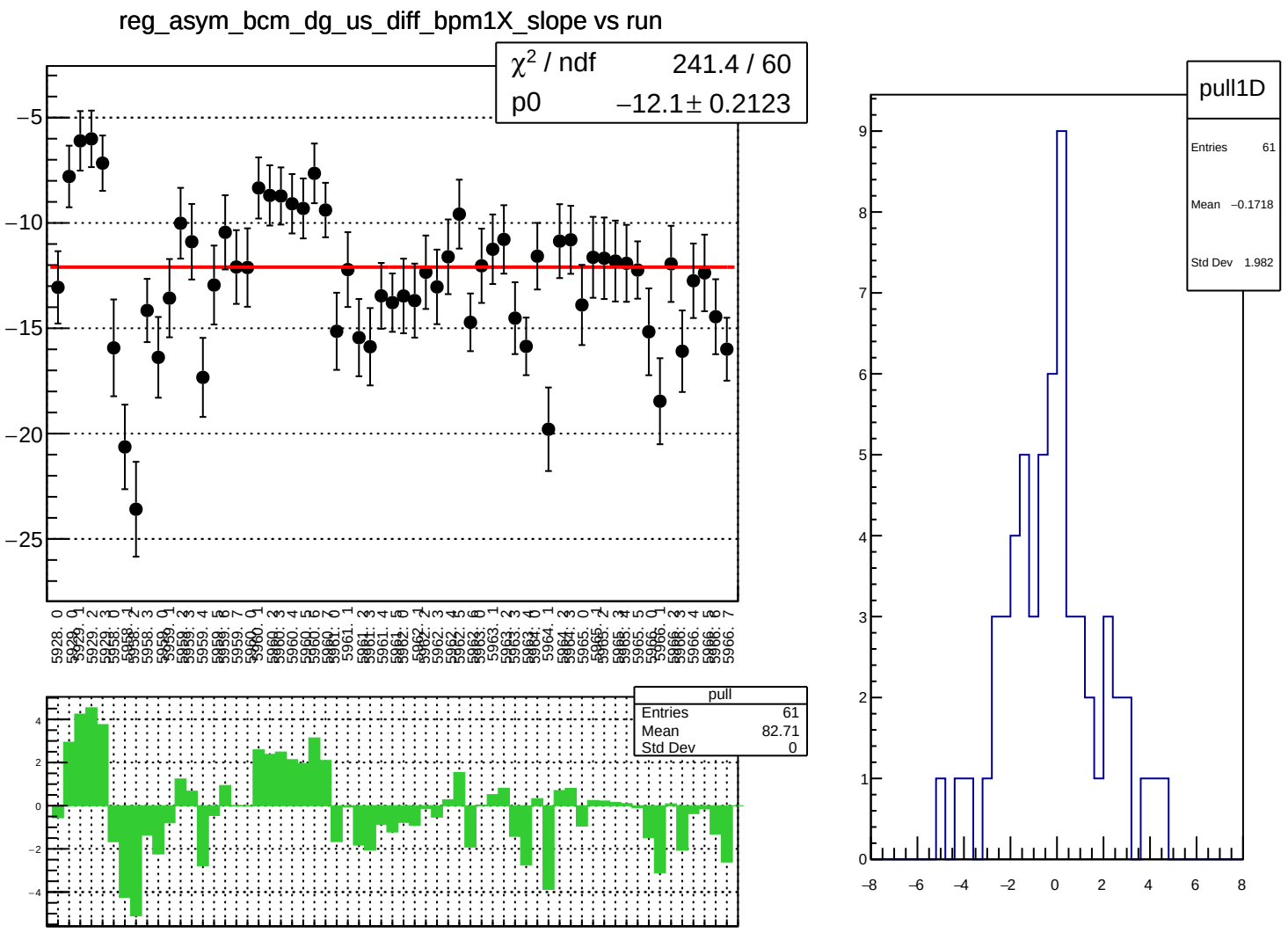

pull1D
Entries 61
Mean 0.05808
Std Dev 1.259

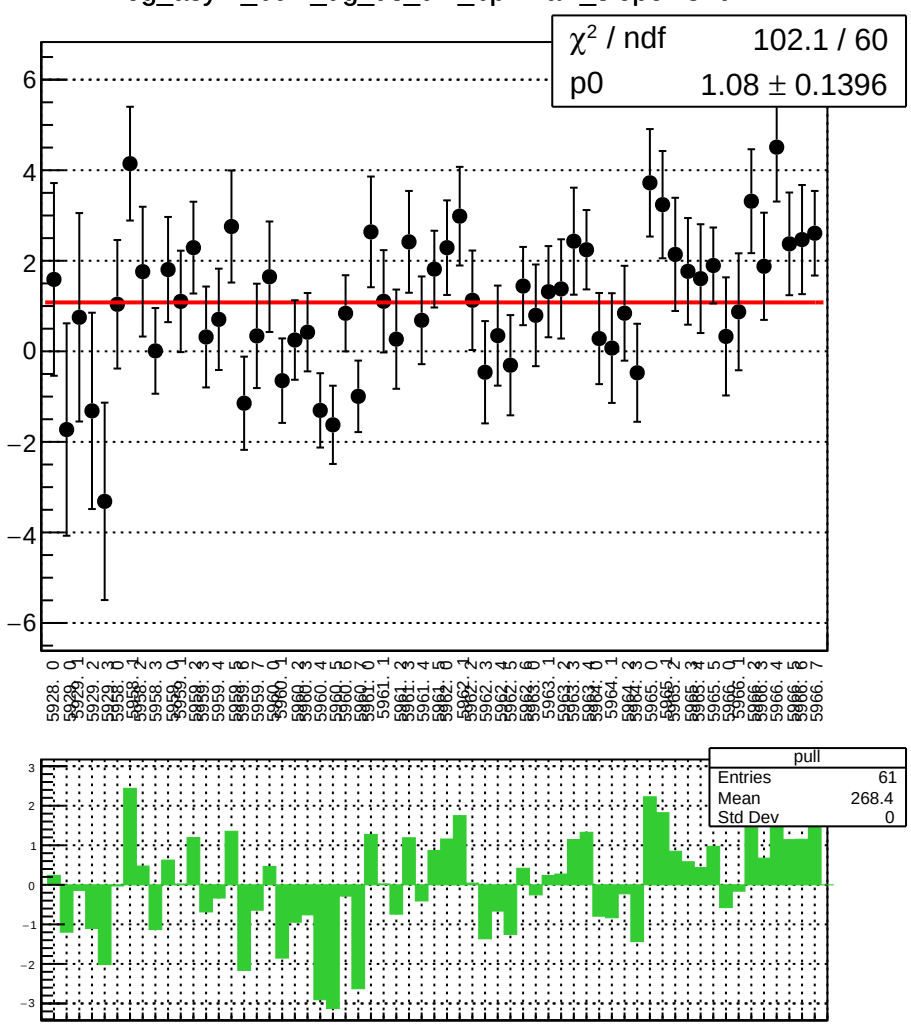

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 185 / 60
p0 12.75 ± 0.2232
pull
Entries 61
Mean 55.75
Std Dev 26.14

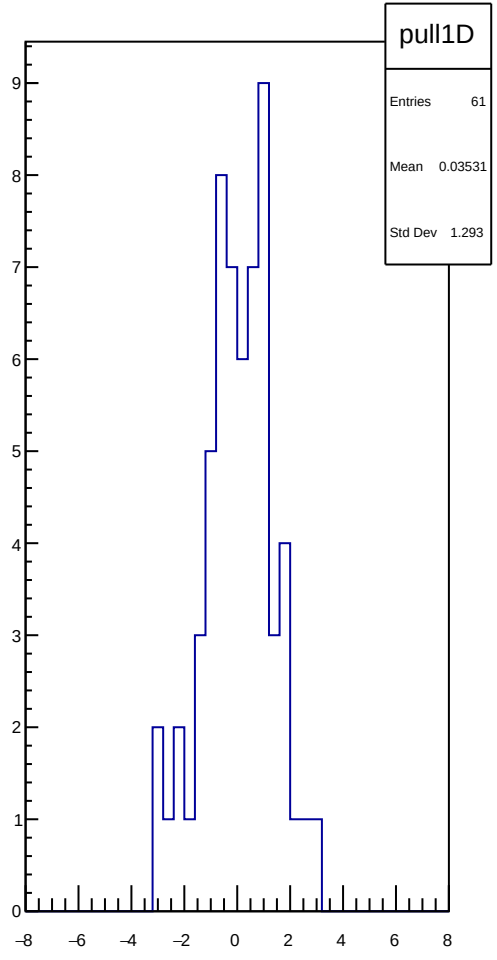

pull1D
Entries 61
Mean 0.1227
Std Dev 1.737

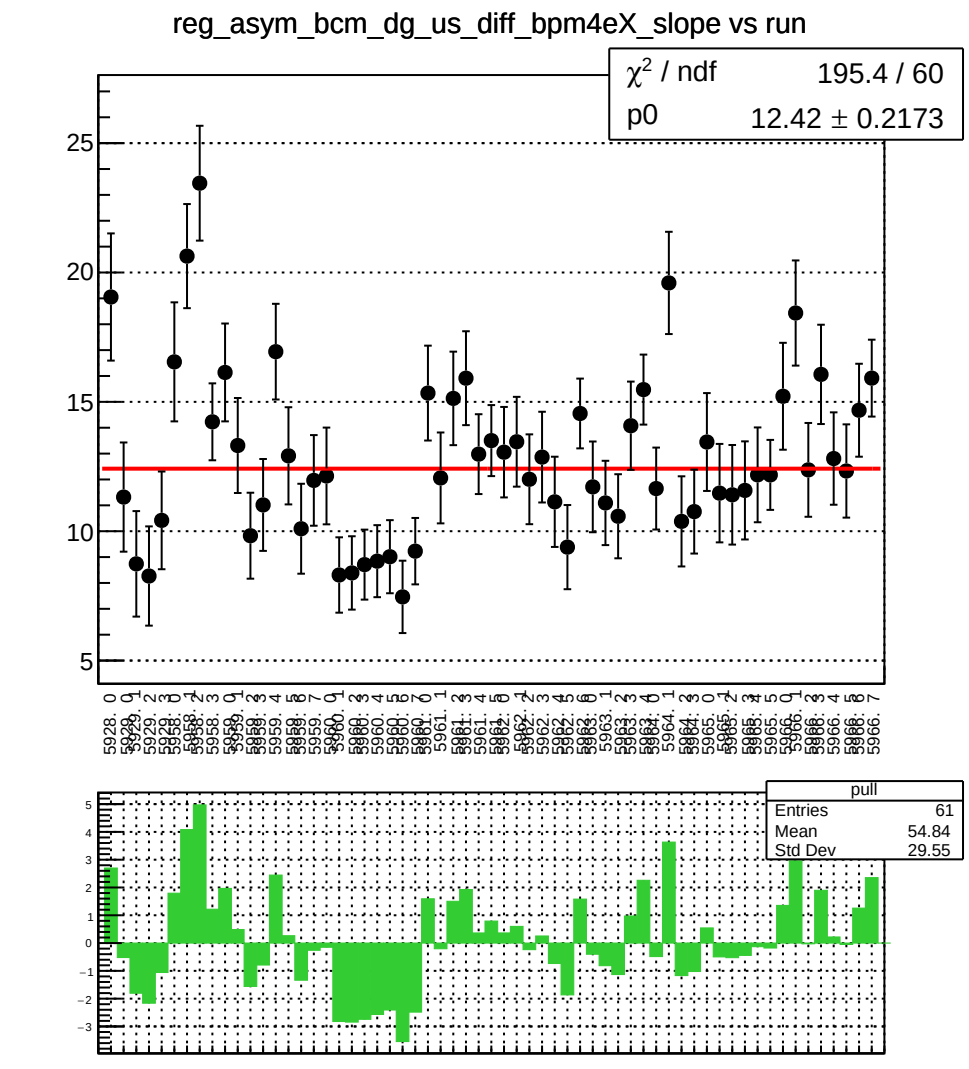

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 109.1 / 60
p0 −1.877 ± 0.1839
pull
Entries 61
Mean 163.1
Std Dev 0
pull1D
Entries 61
Mean −0.06701
Std Dev 1.335

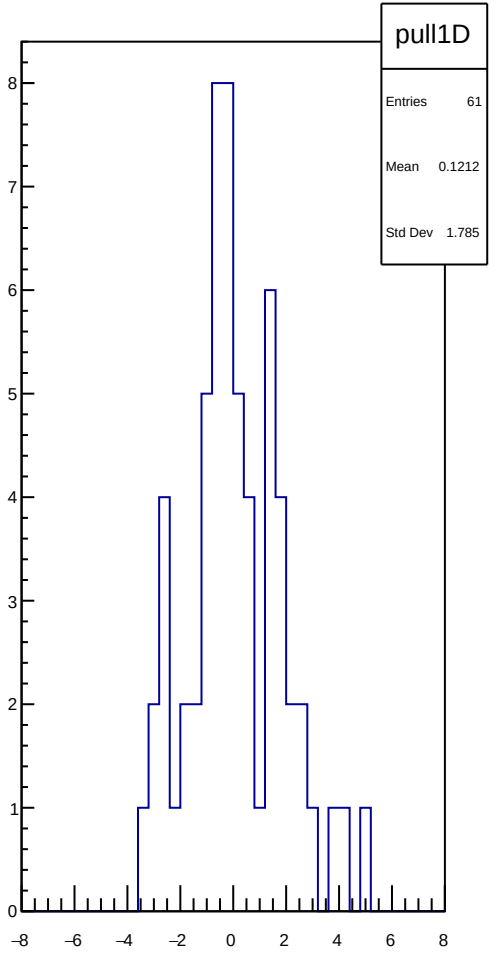

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 100.3 / 60
p0 −0.4878 ± 0.01776
pull
Entries 61
Mean −66.98
Std Dev 0
pull1D
Entries 61
Mean −0.05433
Std Dev 1.281

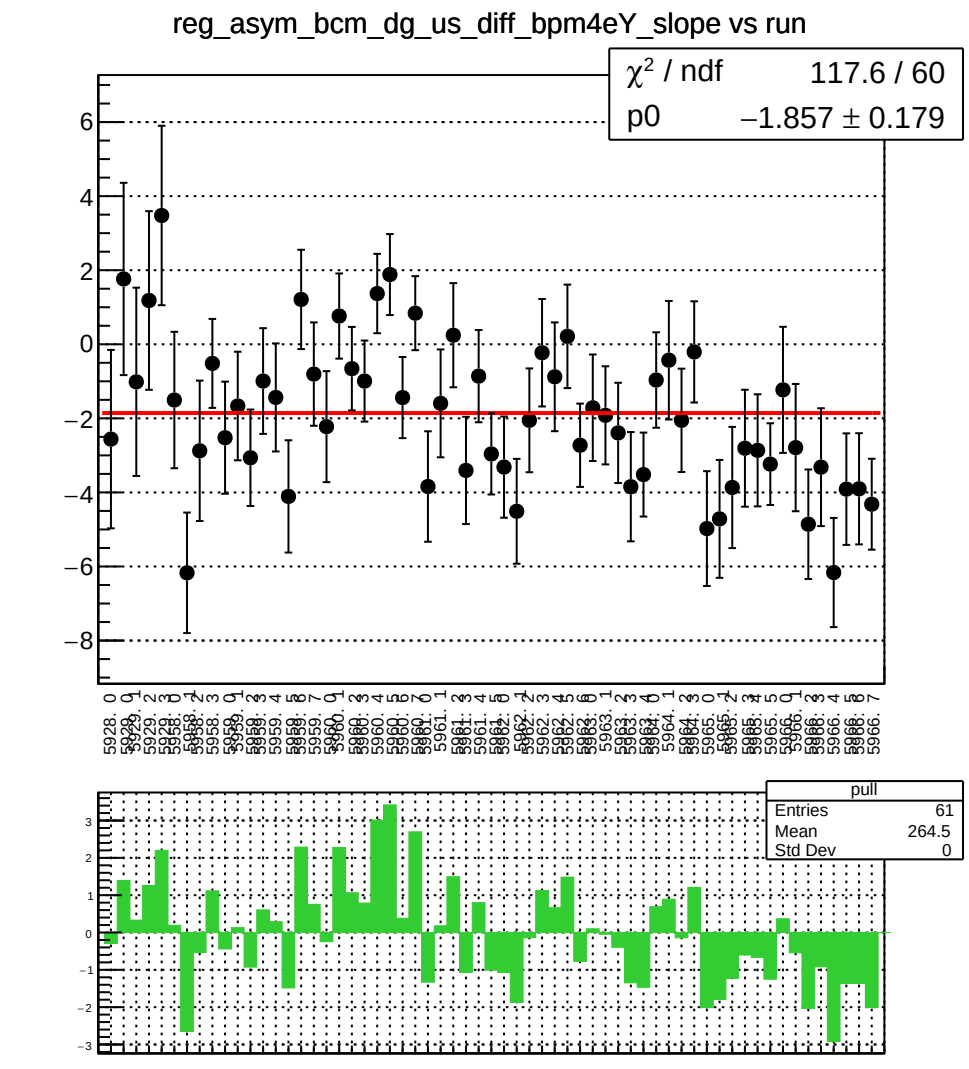

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 241.4 / 60
p0 −12.1 ± 0.2123
pull
Entries 61
Mean 82.71
Std Dev 0
pull1D
Entries 61
Mean −0.1718
Std Dev 1.982

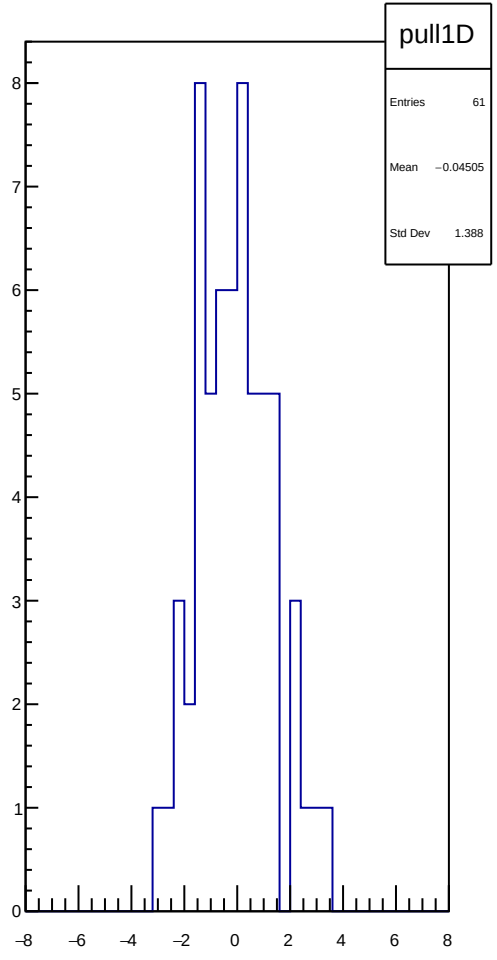

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 102.1 / 60
p0 1.08 ± 0.1396
pull
Entries 61
Mean 268.4
Std Dev 0

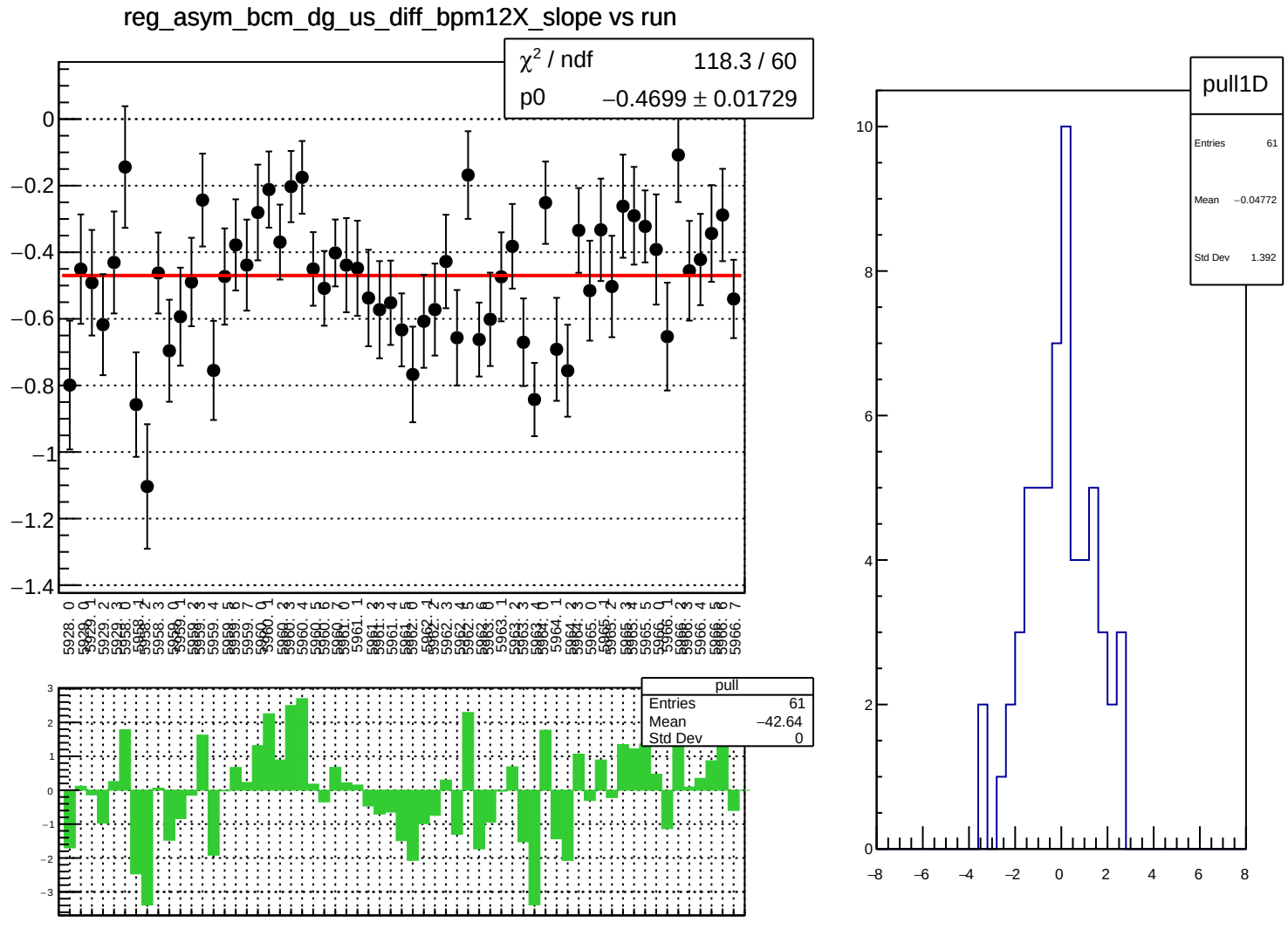

pull1D
Entries 61
Mean 0.03531
Std Dev 1.293

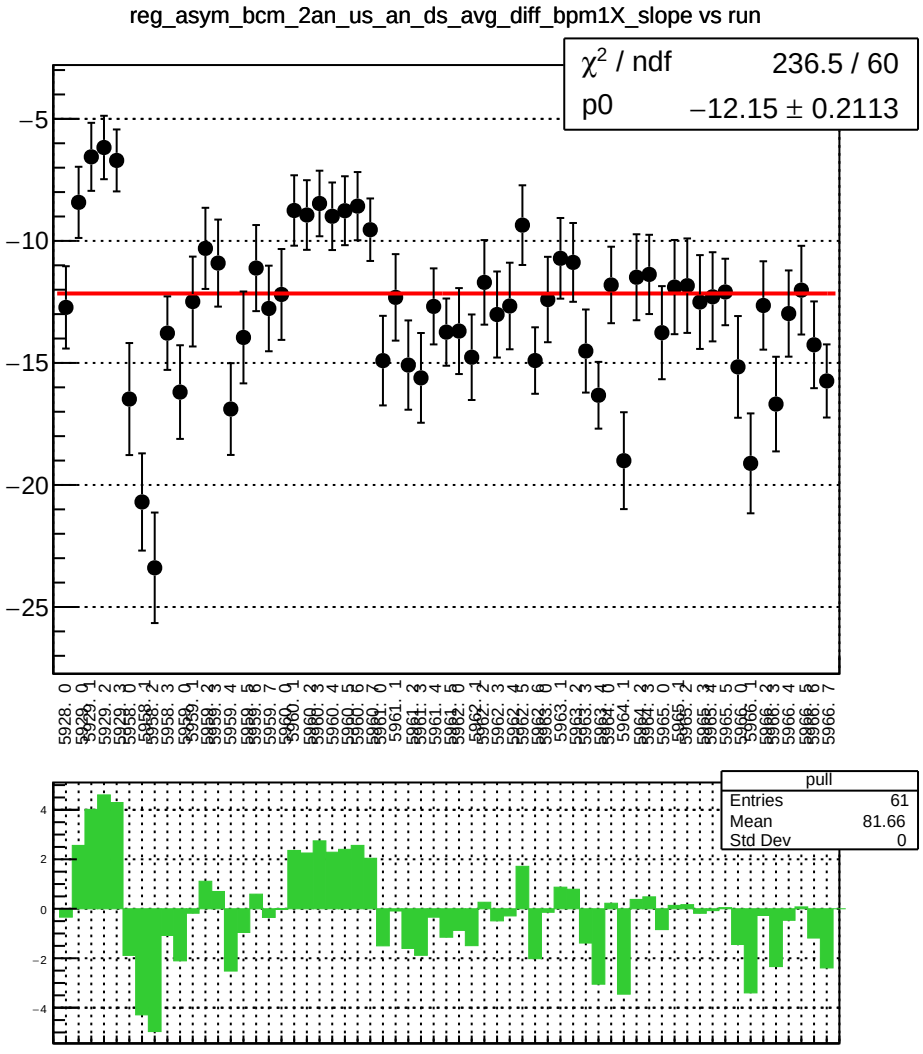

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 195.4 / 60
p0 12.42 ± 0.2173
pull
Entries 61
Mean 54.84
Std Dev 29.55

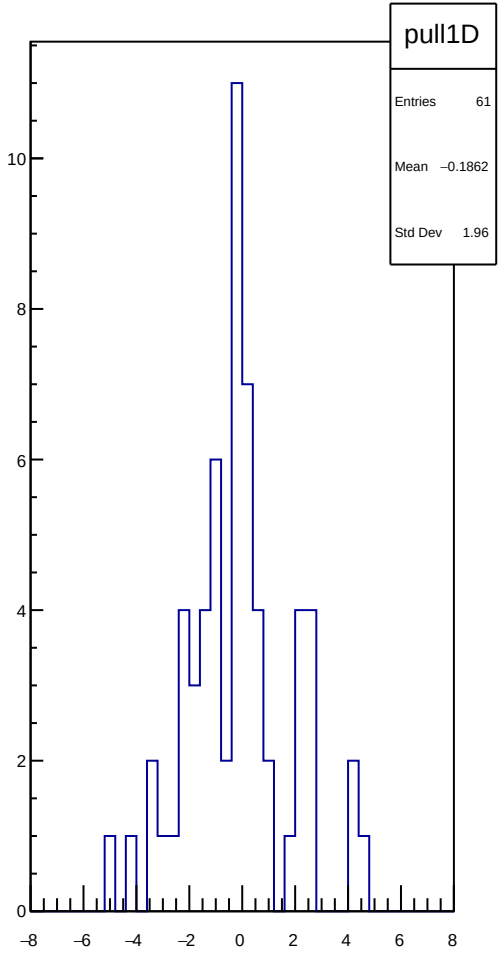

pull1D
Entries 61
Mean 0.1212
Std Dev 1.785

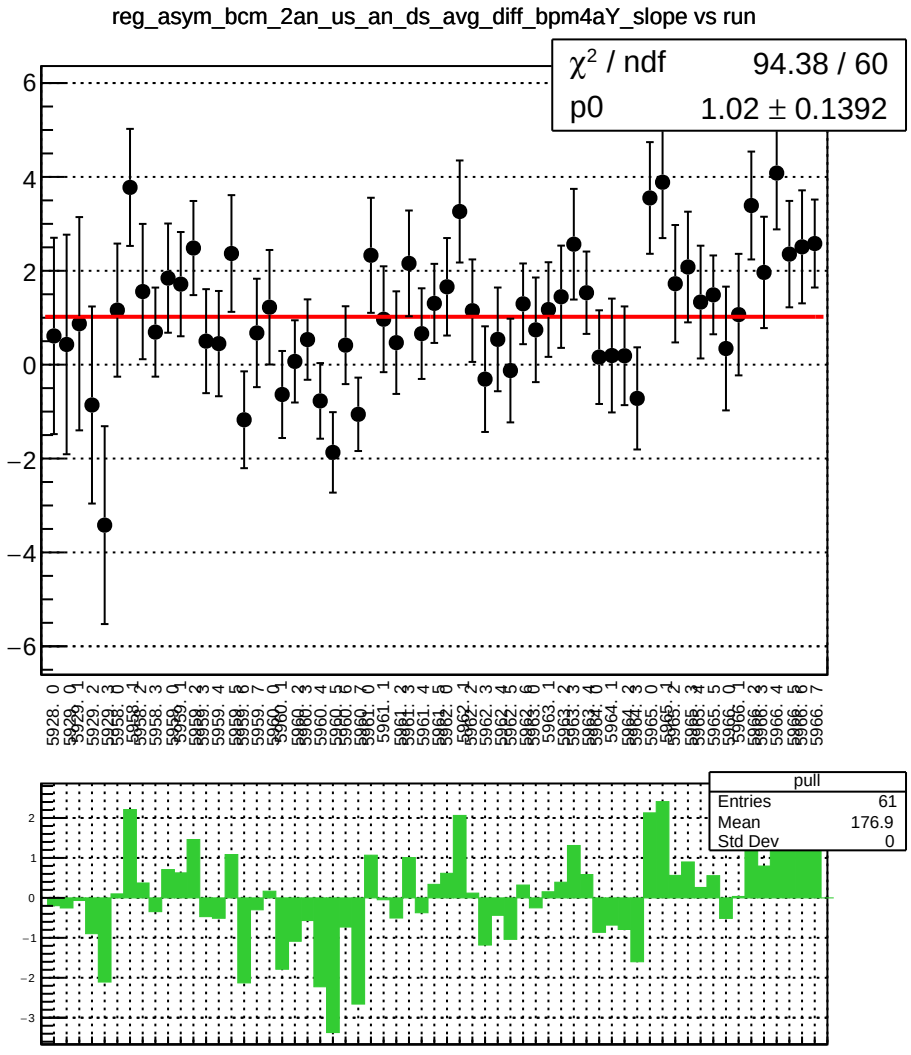

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 117.6 / 60
p0 −1.857 ± 0.179
pull
Entries 61
Mean 264.5
Std Dev 0

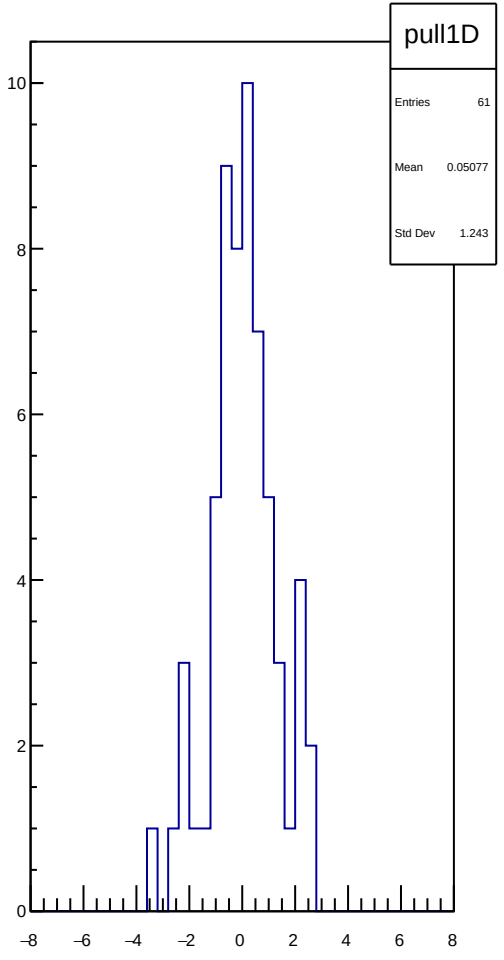

pull1D
Entries 61
Mean −0.04505
Std Dev 1.388

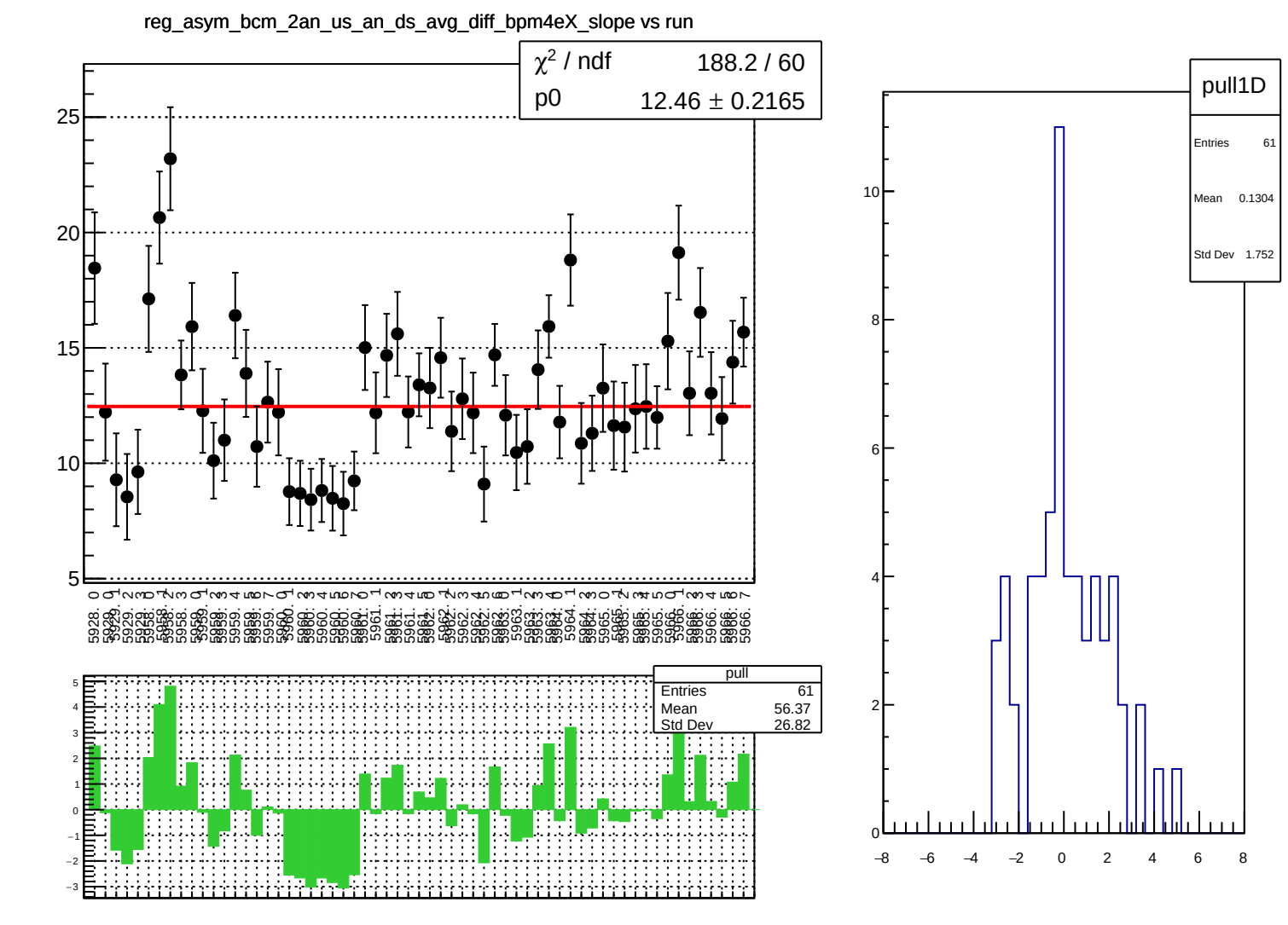

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 118.3 / 60
p0 −0.4699 ± 0.01729
pull
Entries 61
Mean −42.64
Std Dev 0
pull1D
Entries 61
Mean −0.04772
Std Dev 1.392

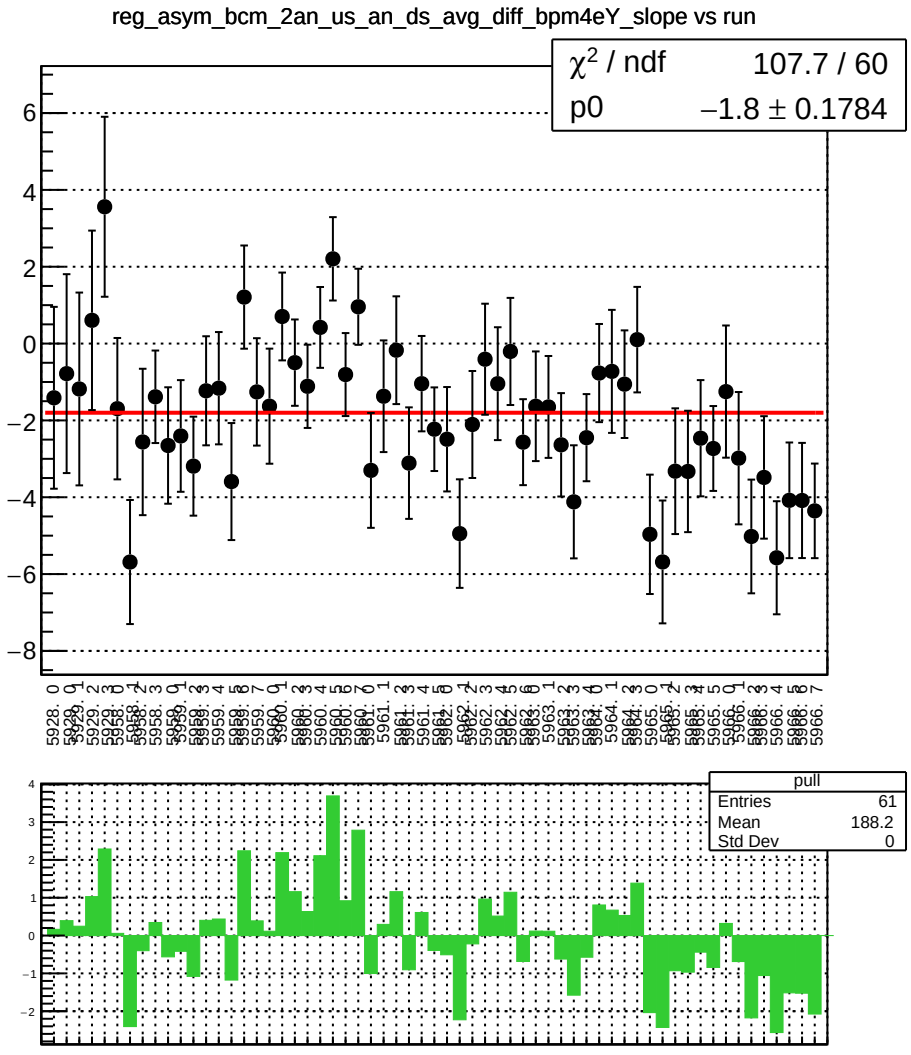

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 236.5 / 60
p0 −12.15 ± 0.2113
pull
Entries 61
Mean 81.66
Std Dev 0

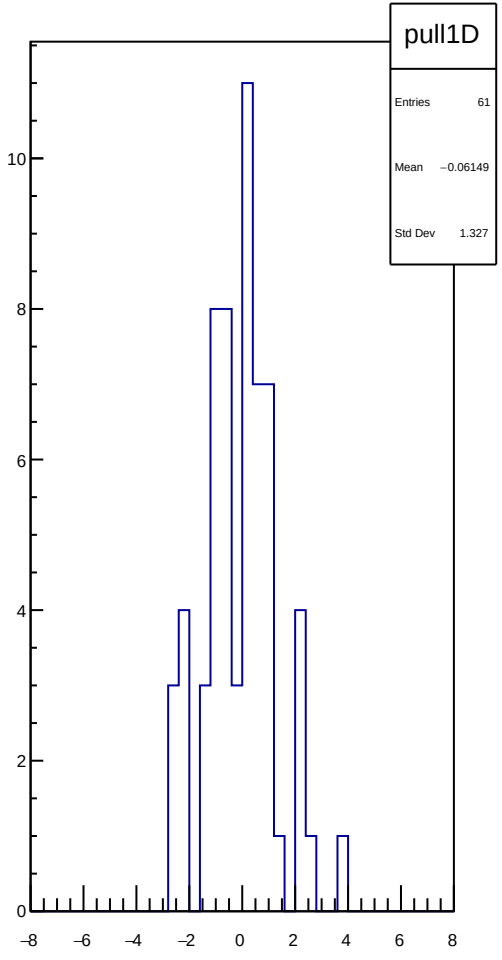

pull1D
Entries 61
Mean −0.1862
Std Dev 1.96

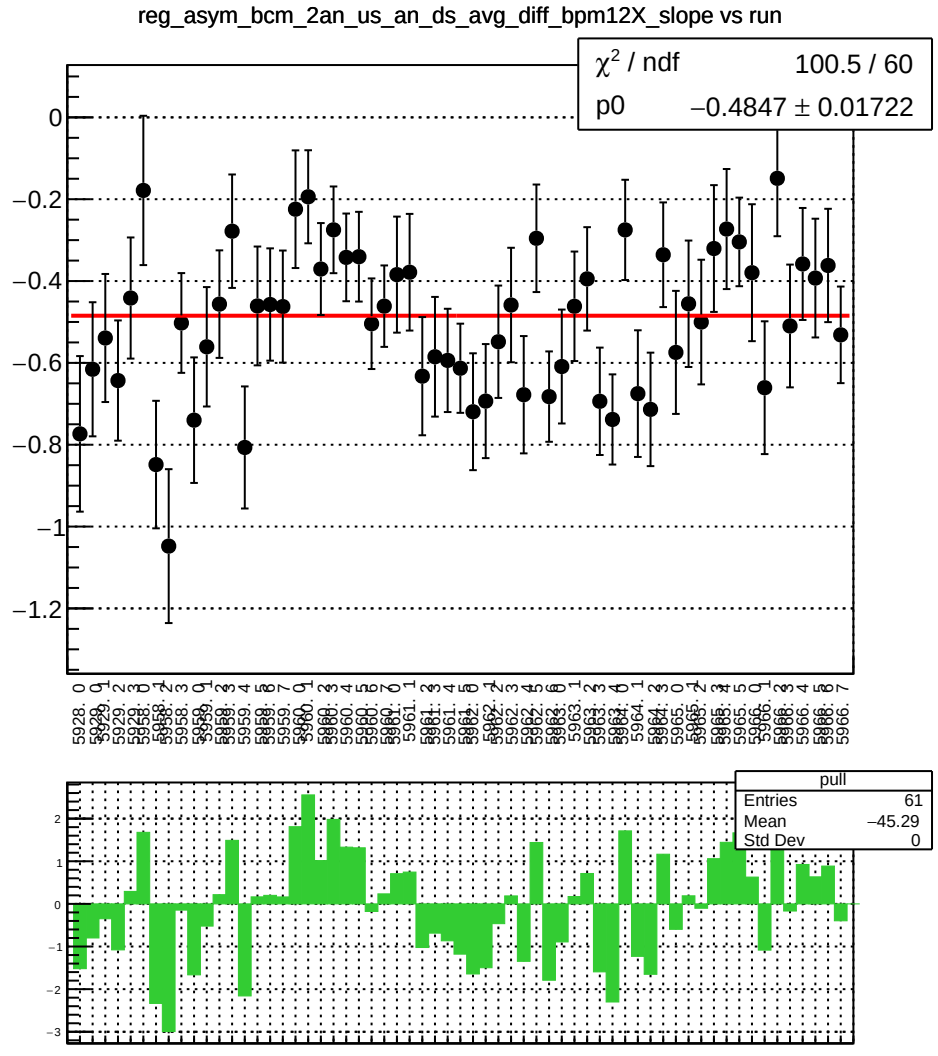

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.38 / 60
p0 1.02 ± 0.1392
pull
Entries 61
Mean 176.9
Std Dev 0

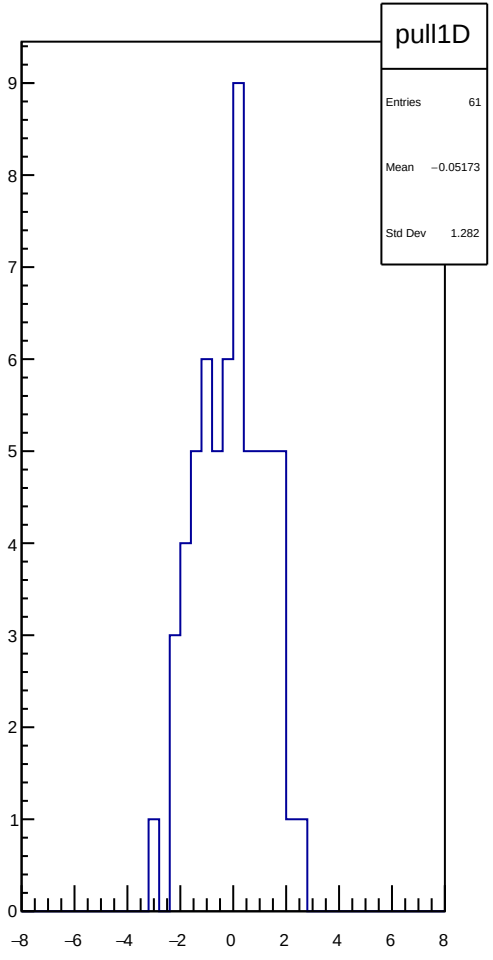

pull1D
Entries 61
Mean 0.05077
Std Dev 1.243

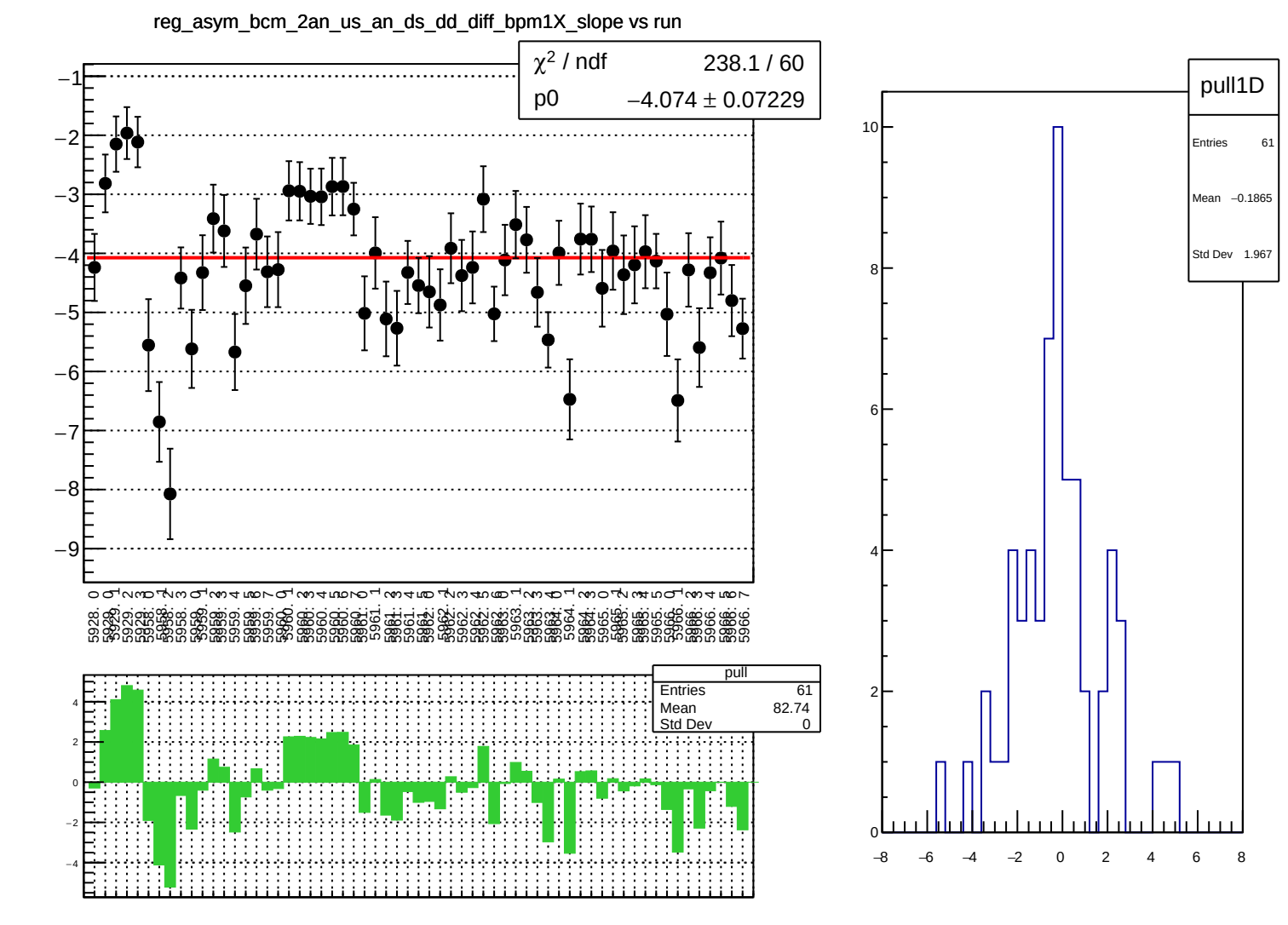

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 188.2 / 60
p0 12.46 ± 0.2165
pull
Entries 61
Mean 56.37
Std Dev 26.82
pull1D
Entries 61
Mean 0.1304
Std Dev 1.752

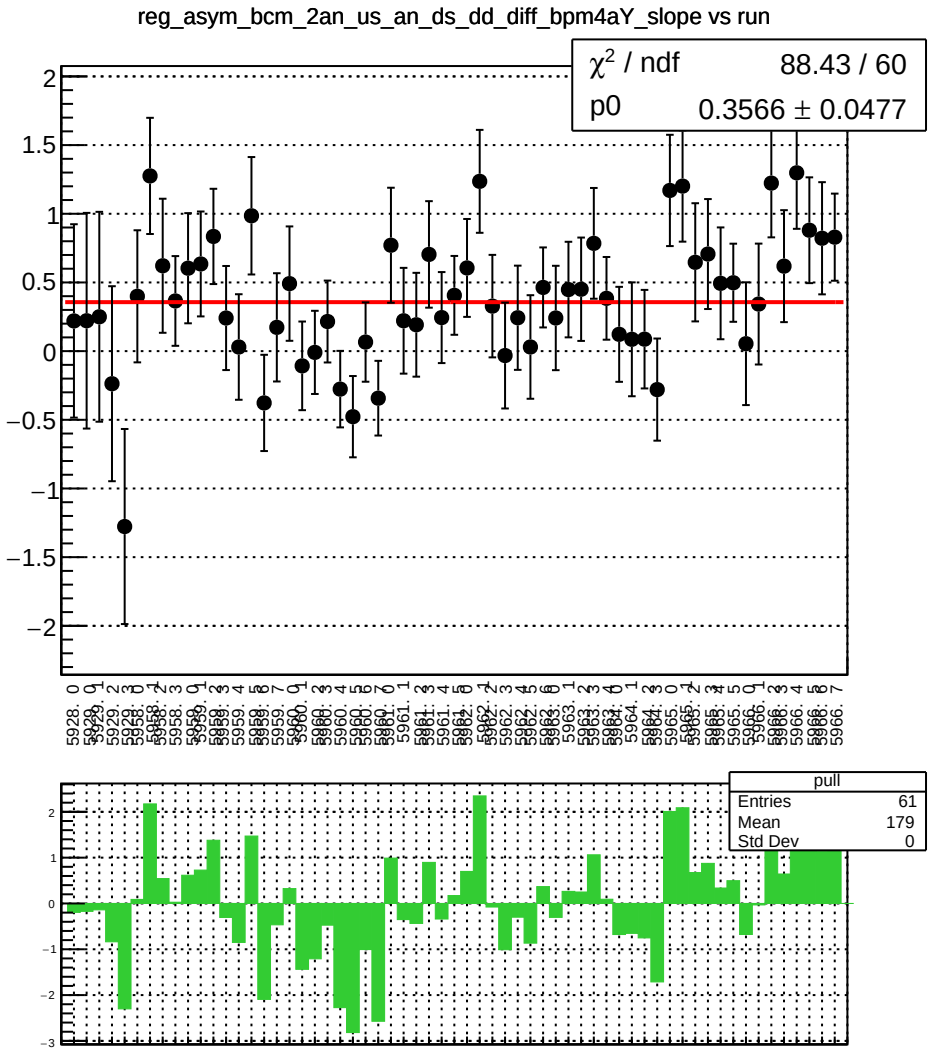

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 107.7 / 60
p0 −1.8 ± 0.1784
pull
Entries 61
Mean 188.2
Std Dev 0

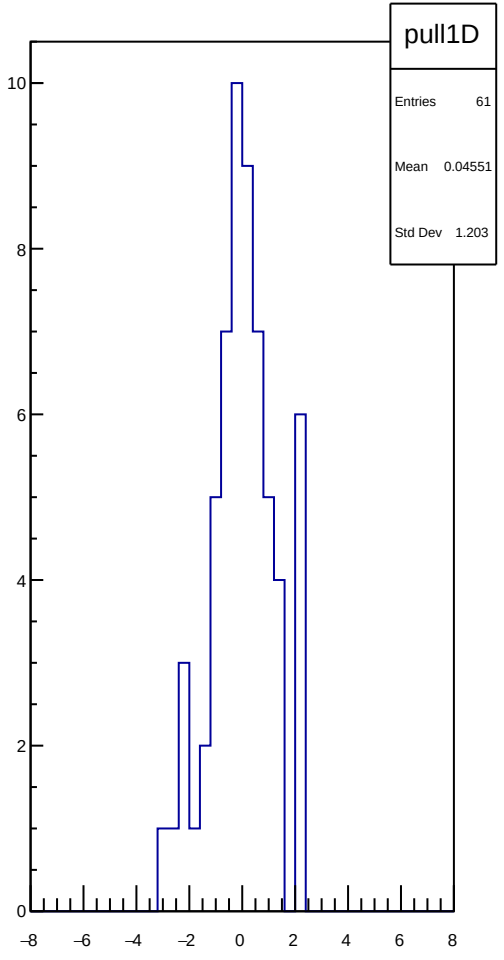

pull1D
Entries 61
Mean −0.06149
Std Dev 1.327

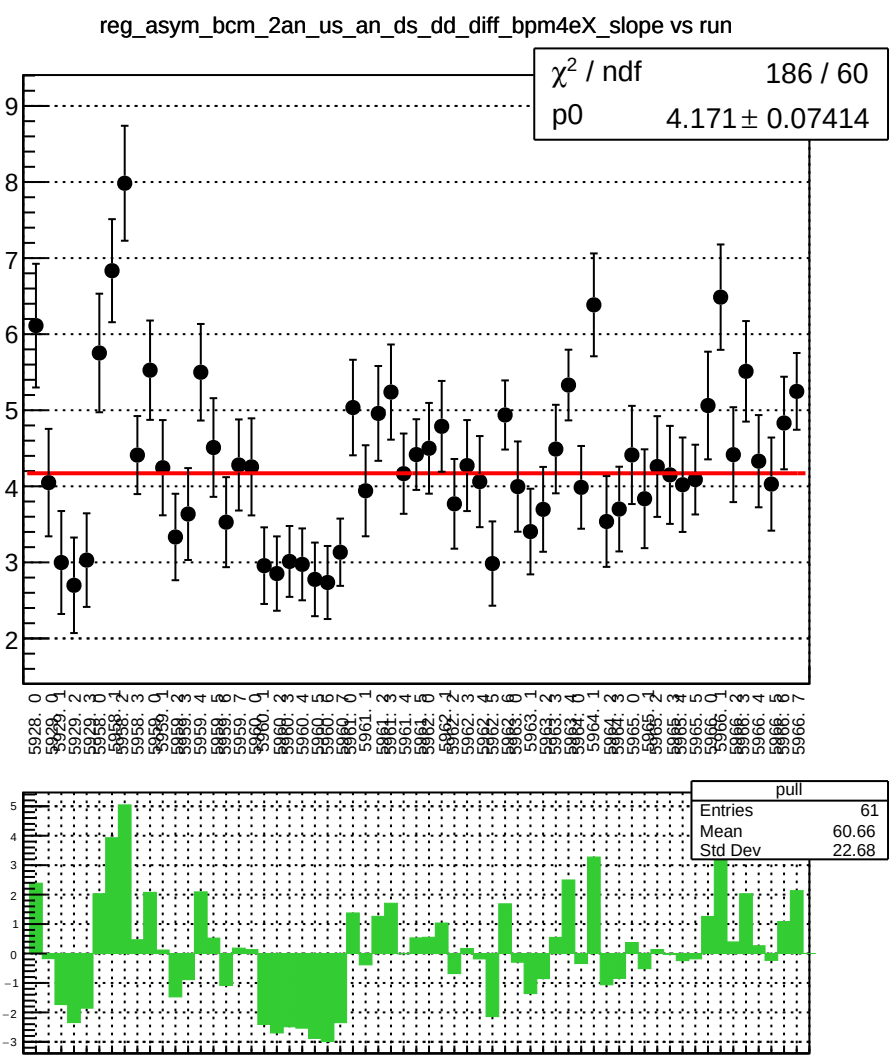

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 60
p0 −0.4847 ± 0.01722
pull
Entries 61
Mean −45.29
Std Dev 0

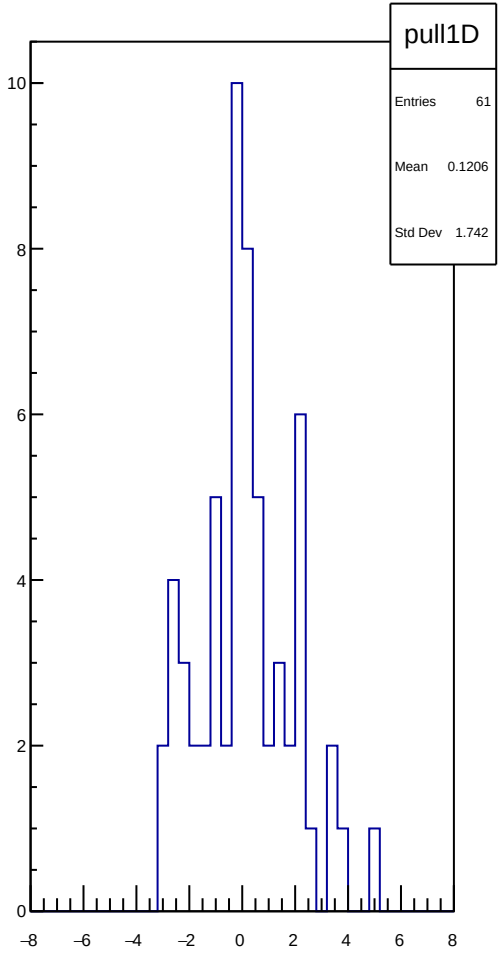

pull1D
Entries 61
Mean −0.05173
Std Dev 1.282

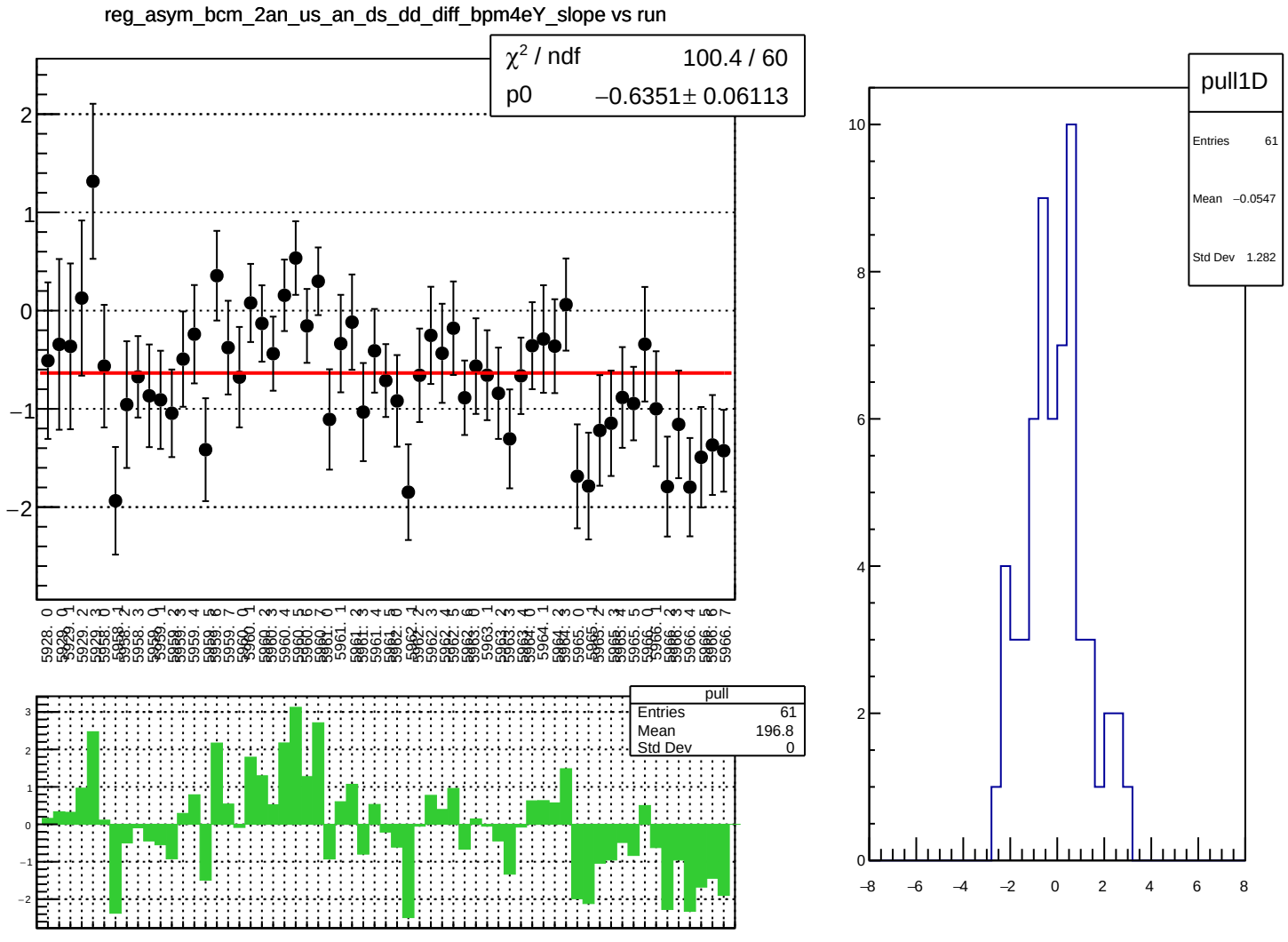

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 238.1 / 60
p0 −4.074 ± 0.07229
pull
Entries 61
Mean 82.74
Std Dev 0
pull1D
Entries 61
Mean −0.1865
Std Dev 1.967

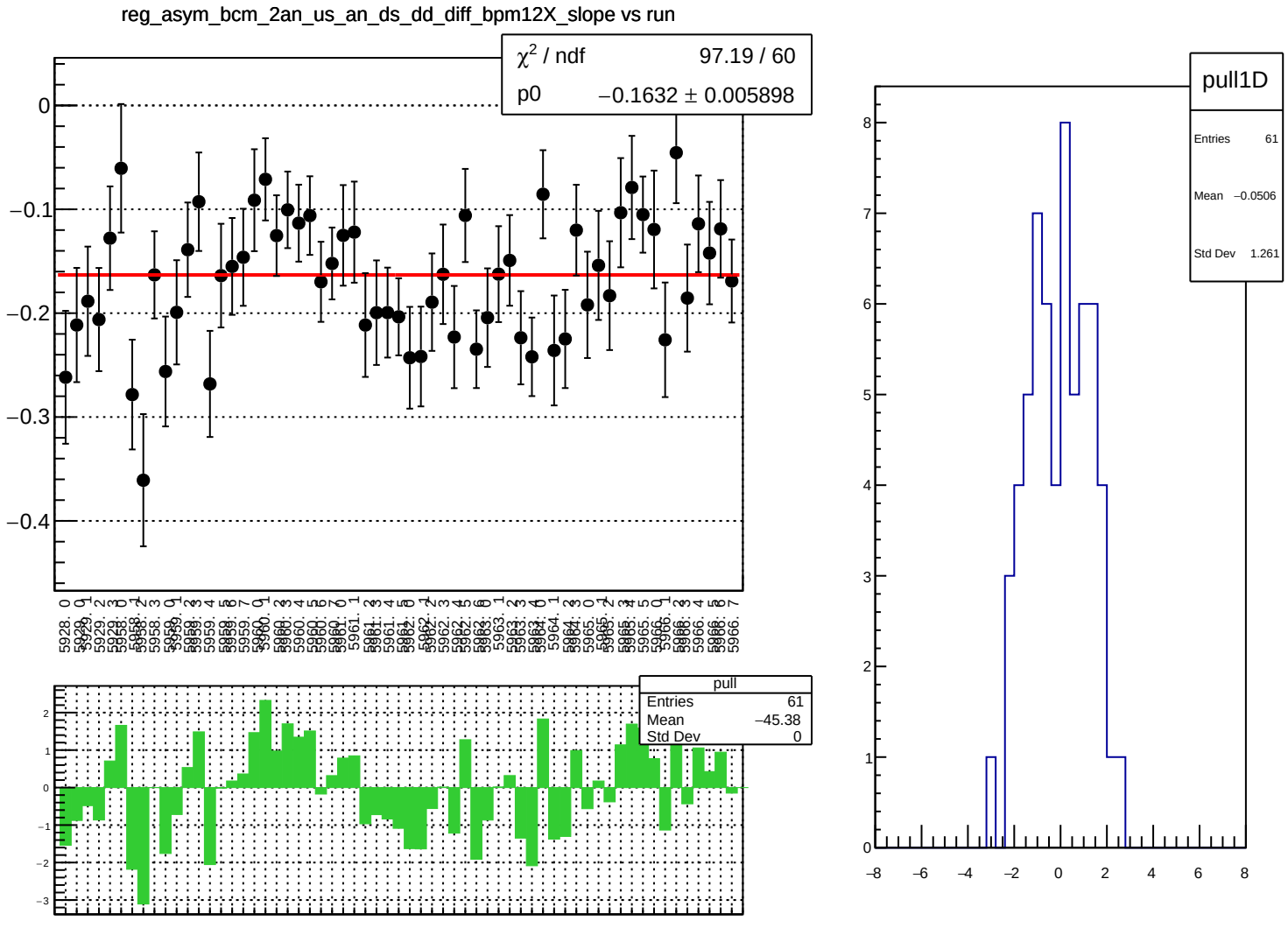

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.43 / 60
p0 0.3566 ± 0.0477
pull
Entries 61
Mean 179
Std Dev 0

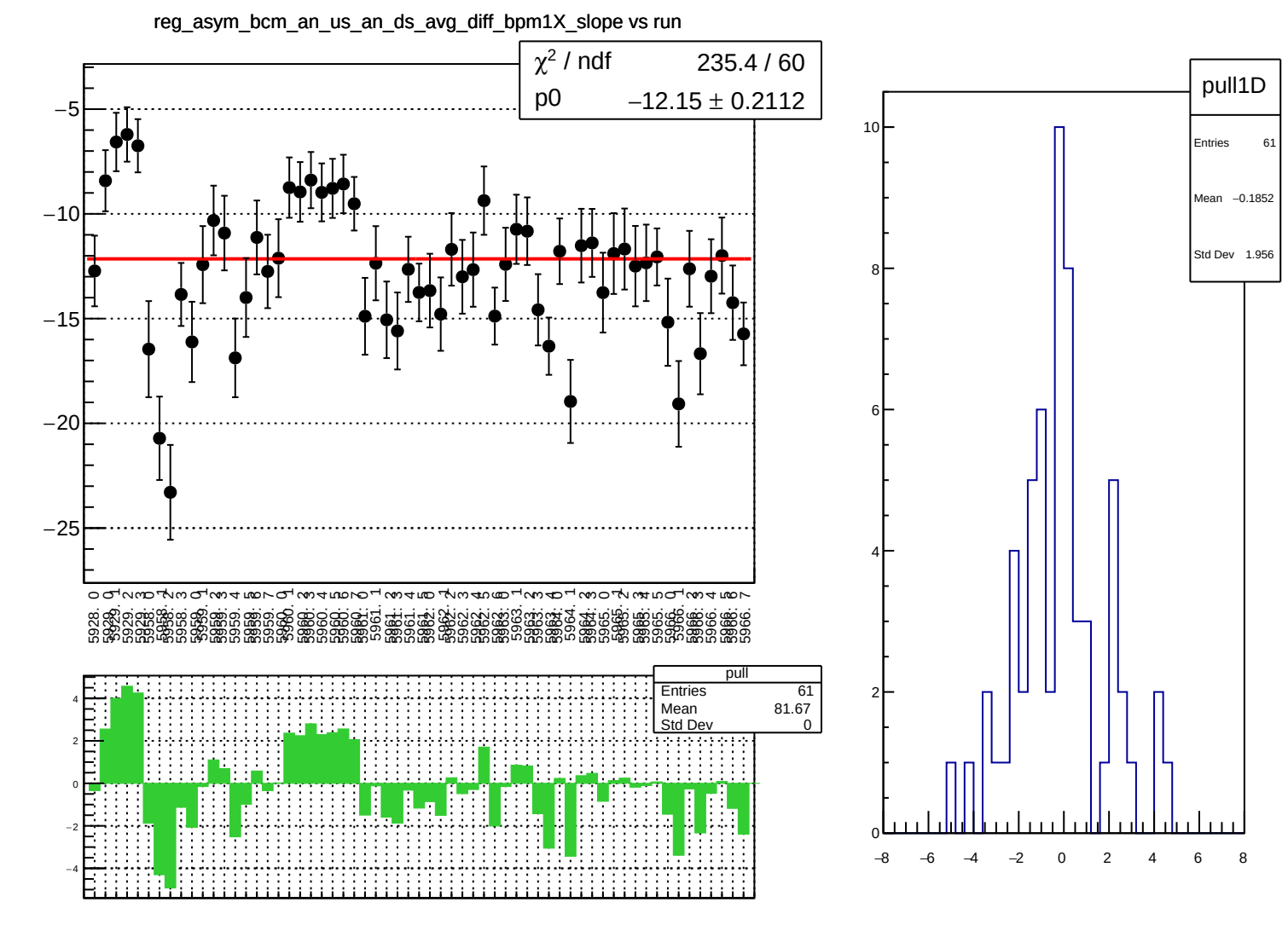

pull1D
Entries 61
Mean 0.04551
Std Dev 1.203

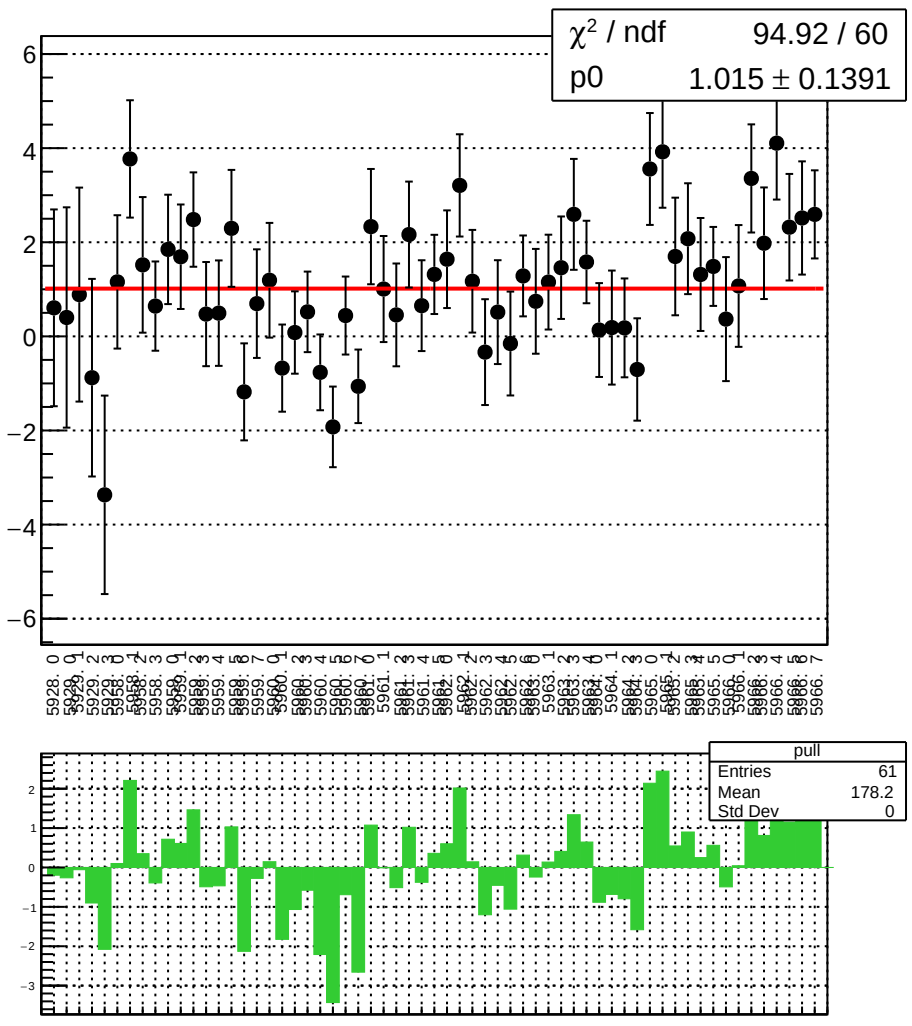

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 186 / 60
p0 4.171 ± 0.07414
pull
Entries 61
Mean 60.66
Std Dev 22.68

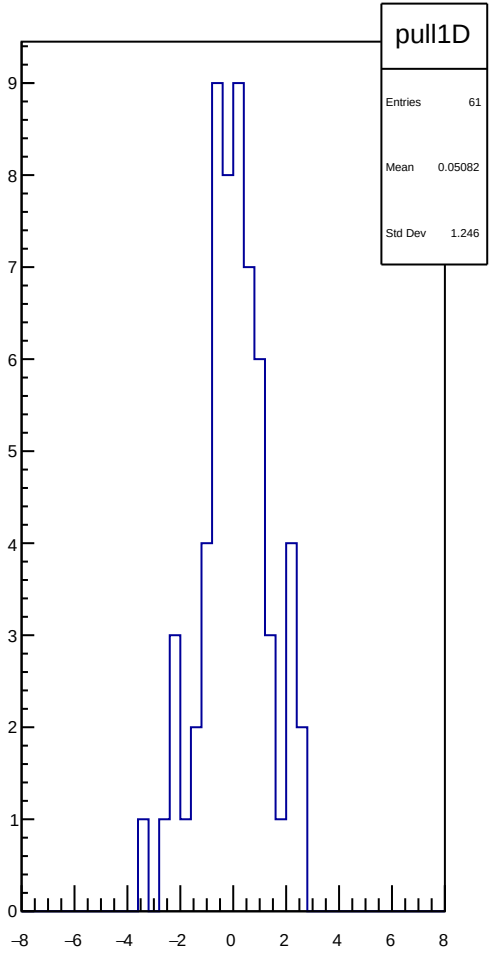

pull1D
Entries 61
Mean 0.1206
Std Dev 1.742

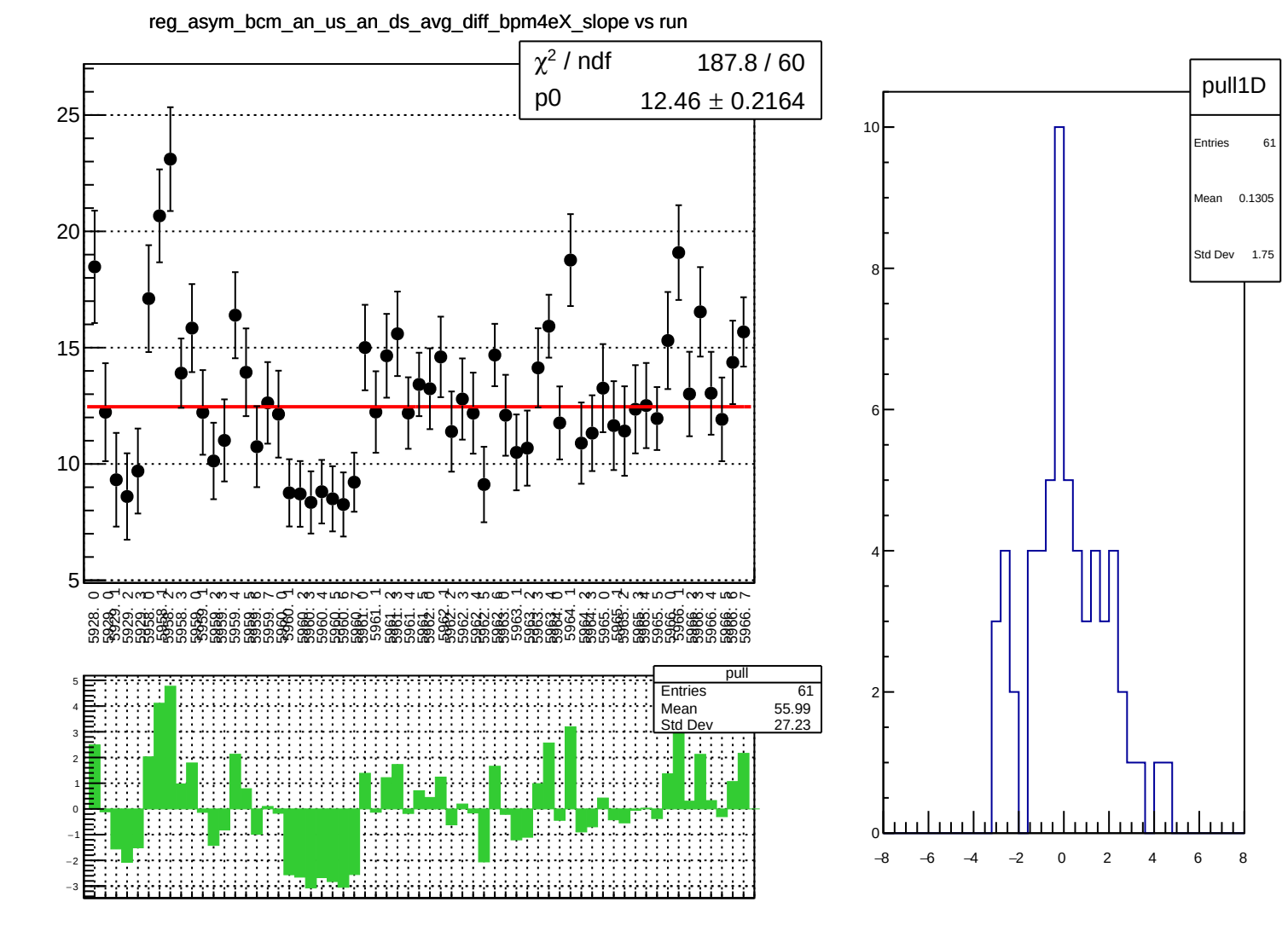

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.4 / 60
p0 −0.6351 ± 0.06113
pull
Entries 61
Mean 196.8
Std Dev 0
pull1D
Entries 61
Mean −0.0547
Std Dev 1.282

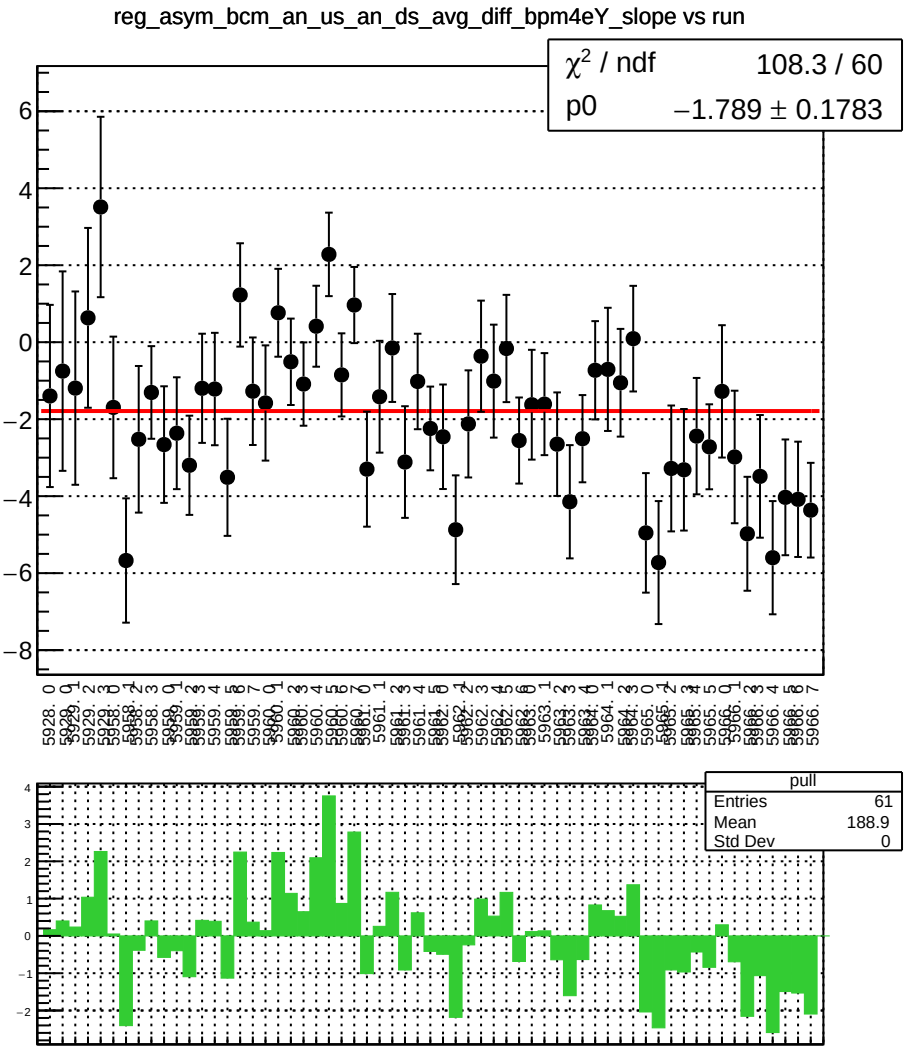

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 97.19 / 60
p0 −0.1632 ± 0.005898
pull
Entries 61
Mean −45.38
Std Dev 0
pull1D
Entries 61
Mean −0.0506
Std Dev 1.261

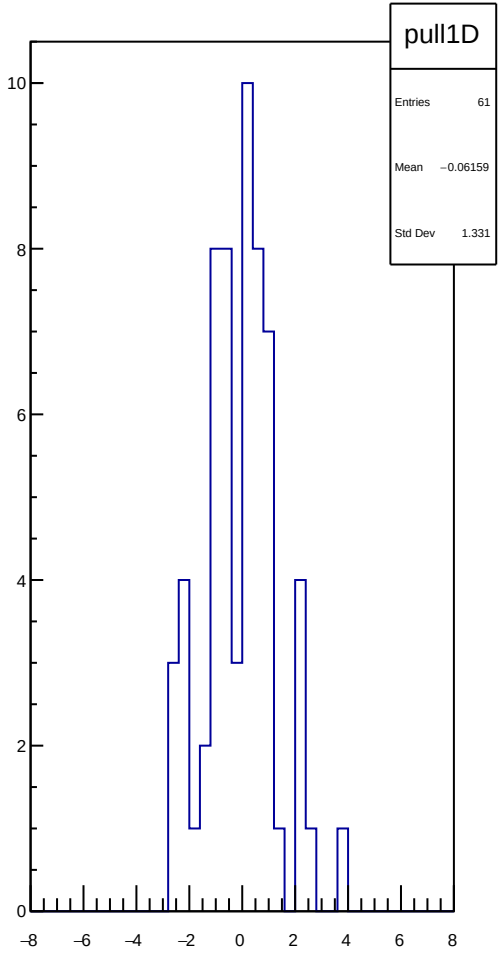

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 235.4 / 60
p0 −12.15 ± 0.2112
pull
Entries 61
Mean 81.67
Std Dev 0
pull1D
Entries 61
Mean −0.1852
Std Dev 1.956

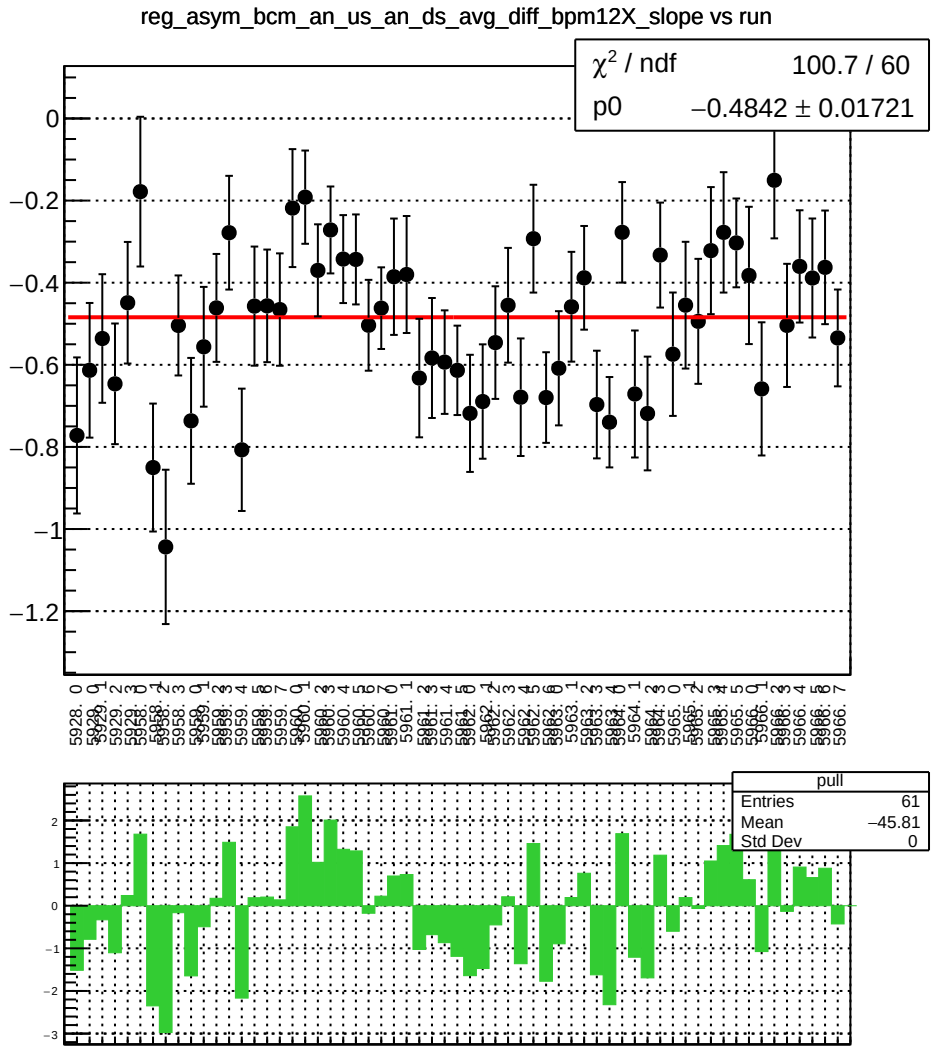

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.92 / 60
p0 1.015 ± 0.1391
pull
Entries 61
Mean 178.2
Std Dev 0

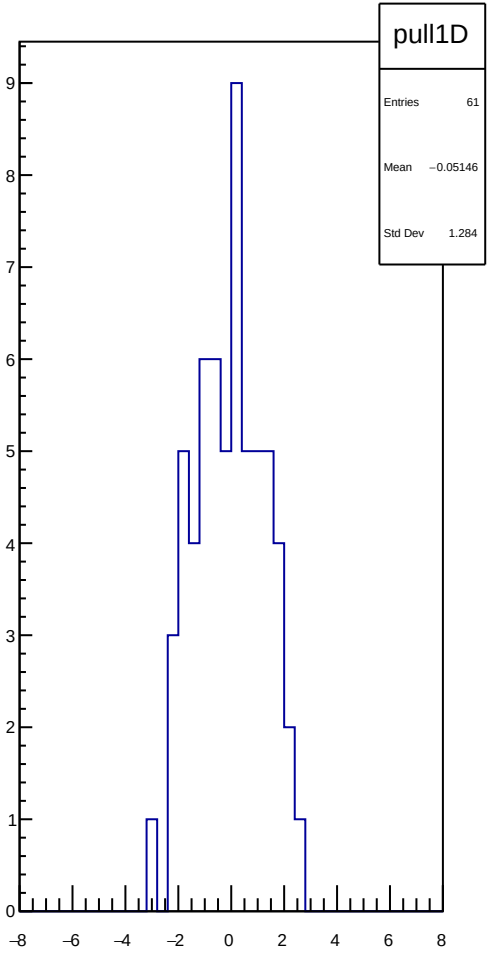

pull1D
Entries 61
Mean 0.05082
Std Dev 1.246

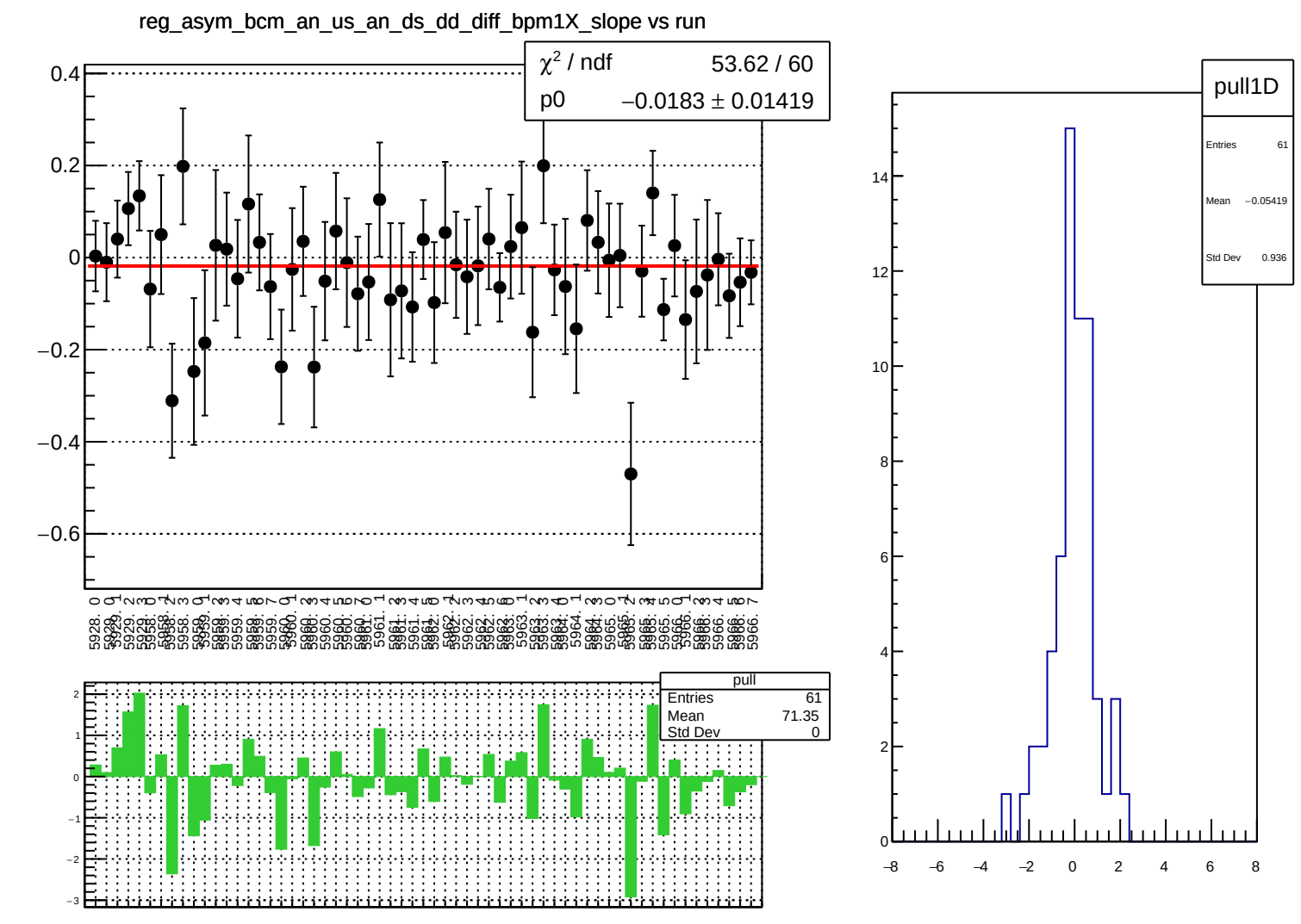

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 187.8 / 60
p0 12.46 ± 0.2164
pull
Entries 61
Mean 55.99
Std Dev 27.23
pull1D
Entries 61
Mean 0.1305
Std Dev 1.75

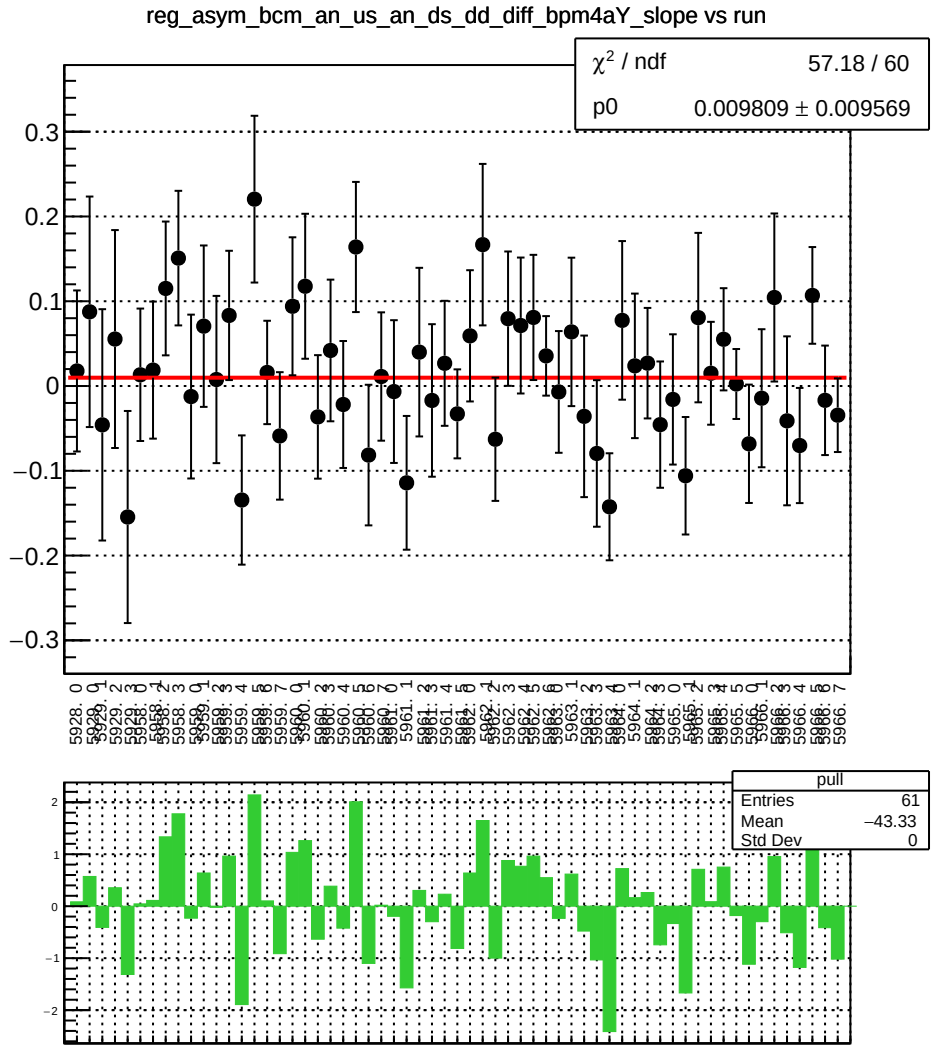

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 108.3 / 60
p0 −1.789 ± 0.1783
pull
Entries 61
Mean 188.9
Std Dev 0

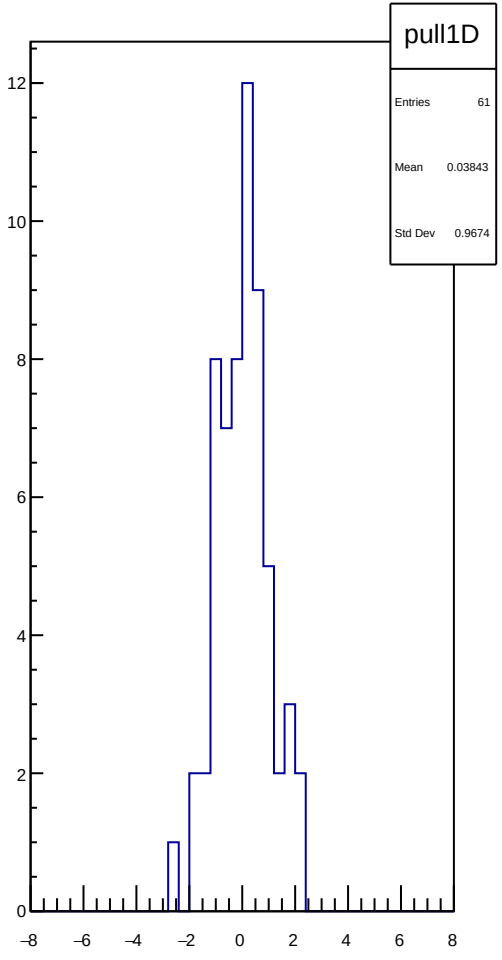

pull1D
Entries 61
Mean −0.06159
Std Dev 1.331

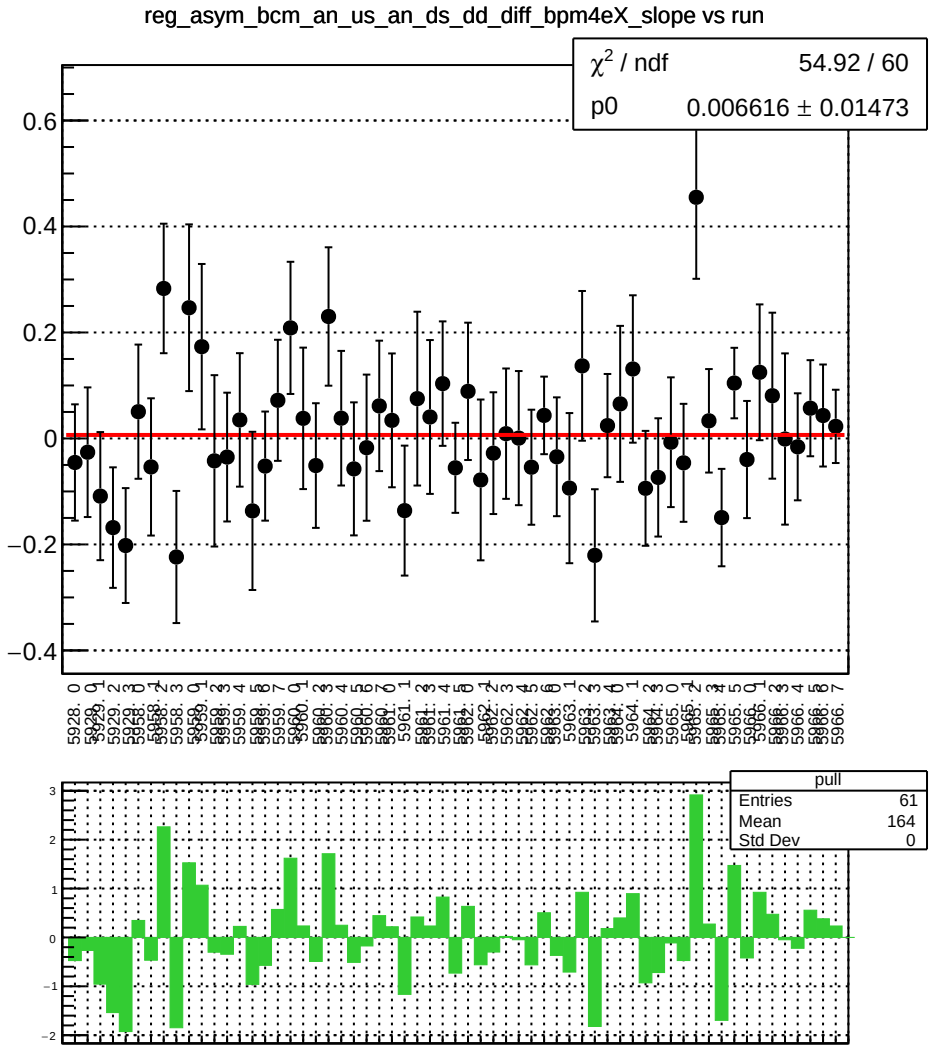

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 100.7 / 60
p0 −0.4842 ± 0.01721
pull
Entries 61
Mean −45.81
Std Dev 0

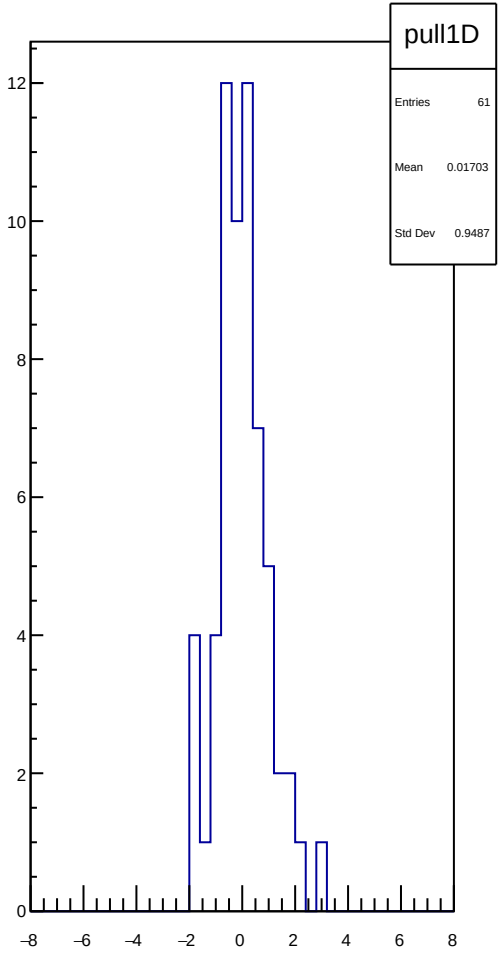

pull1D
Entries 61
Mean −0.05146
Std Dev 1.284

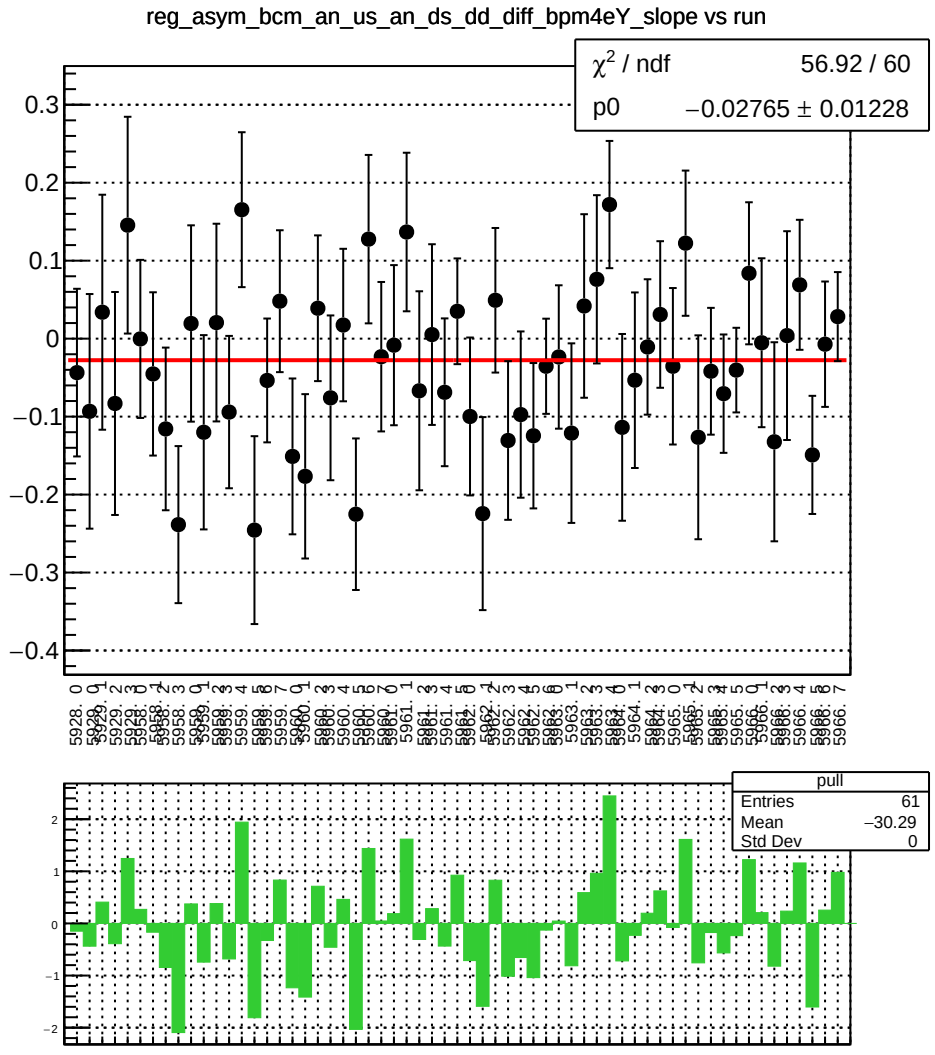

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 53.62 / 60
p0 −0.0183 ± 0.01419
pull
Entries 61
Mean 71.35
Std Dev 0
pull1D
Entries 61
Mean −0.05419
Std Dev 0.936

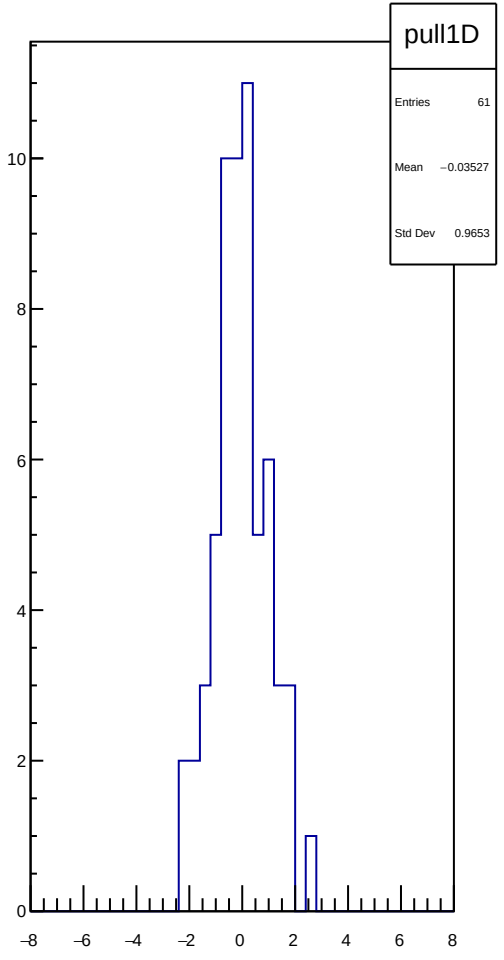

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.18 / 60
p0 0.009809 ± 0.009569
pull
Entries 61
Mean −43.33
Std Dev 0

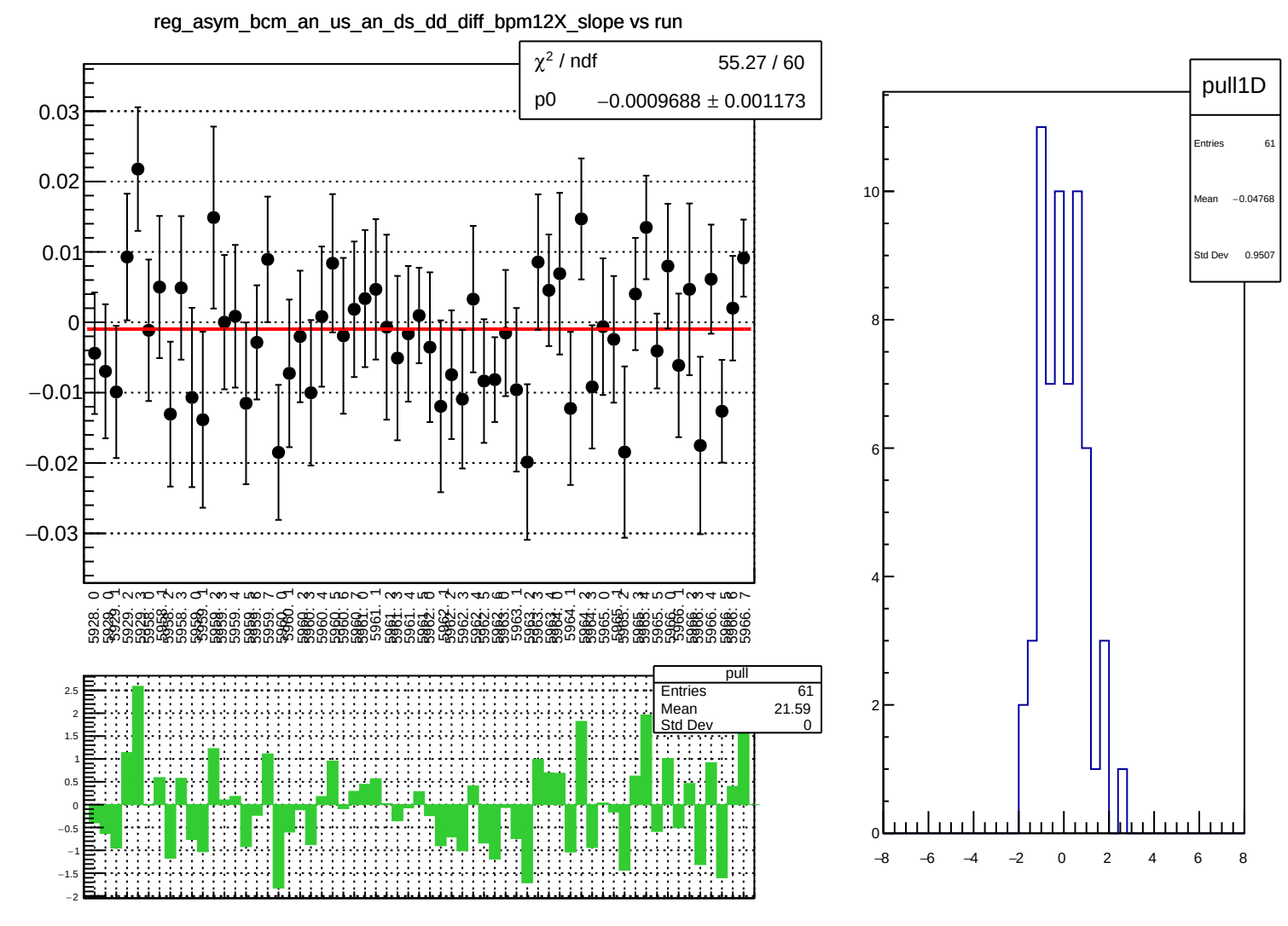

pull1D
Entries 61
Mean 0.03843
Std Dev 0.9674

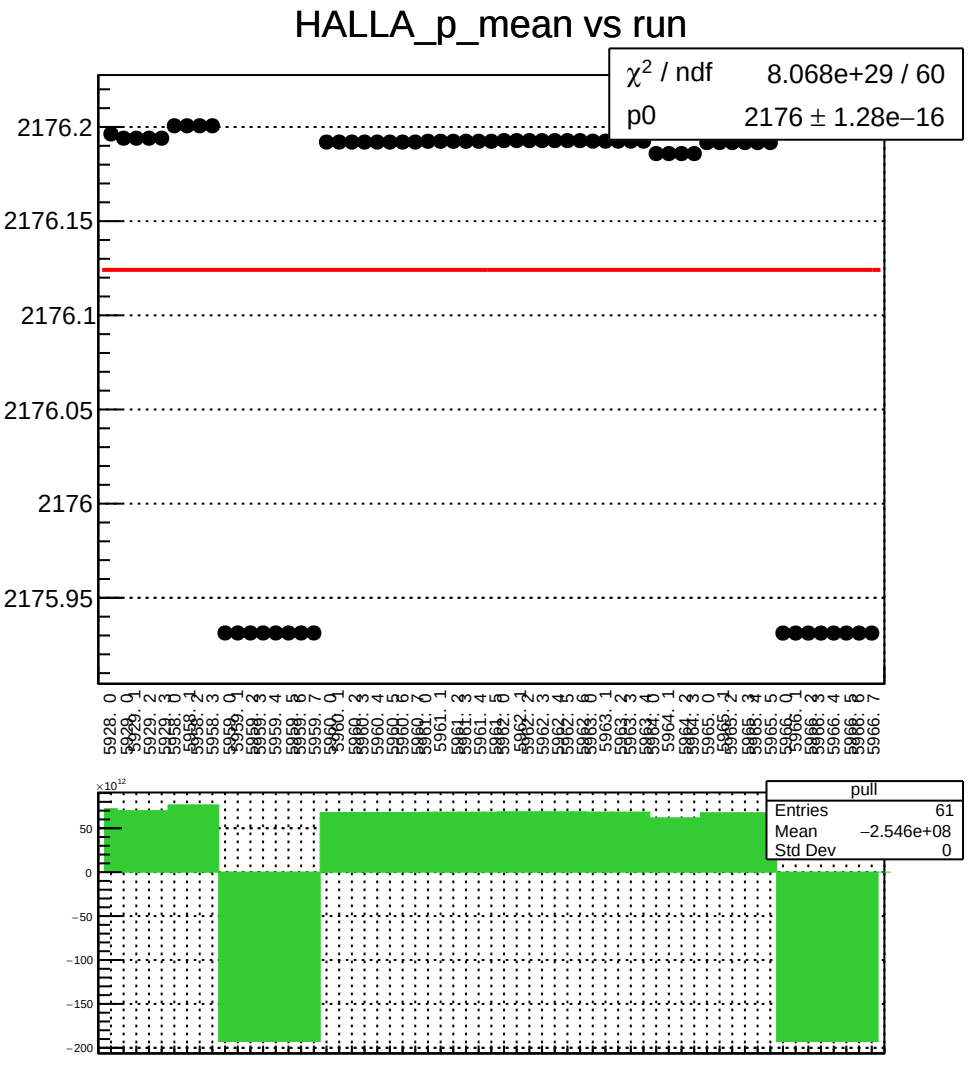

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.92 / 60
p0 0.006616 ± 0.01473
pull
Entries 61
Mean 164
Std Dev 0

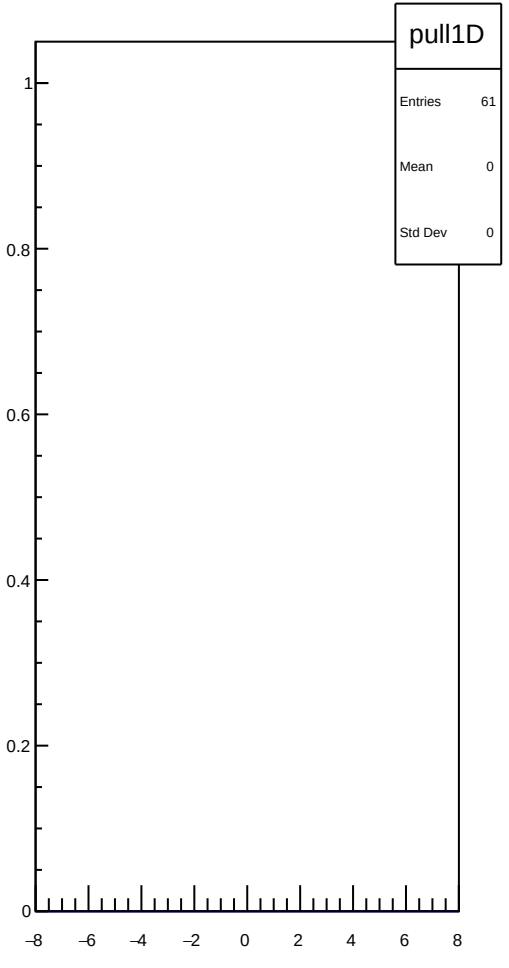

pull1D
Entries 61
Mean 0.01703
Std Dev 0.9487

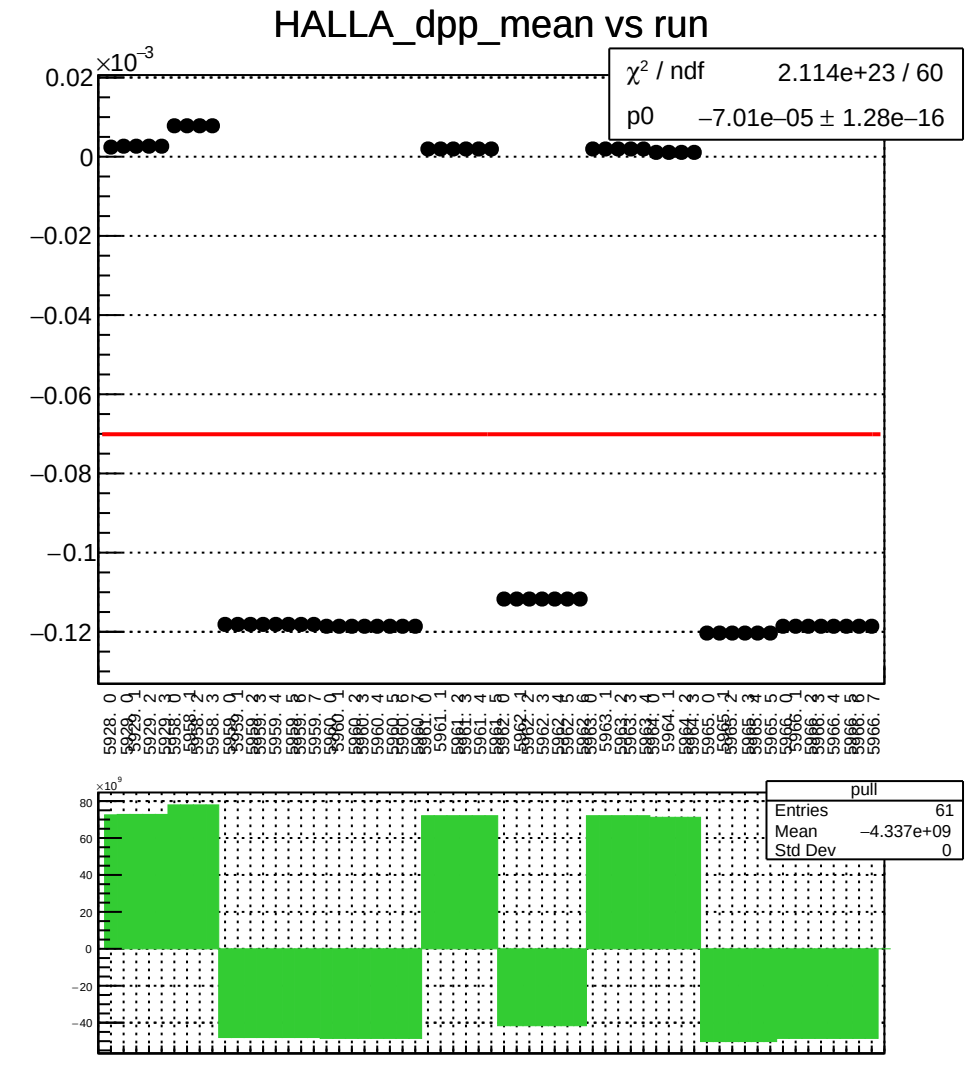

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.92 / 60
p0 −0.02765 ± 0.01228
pull
Entries 61
Mean −30.29
Std Dev 0

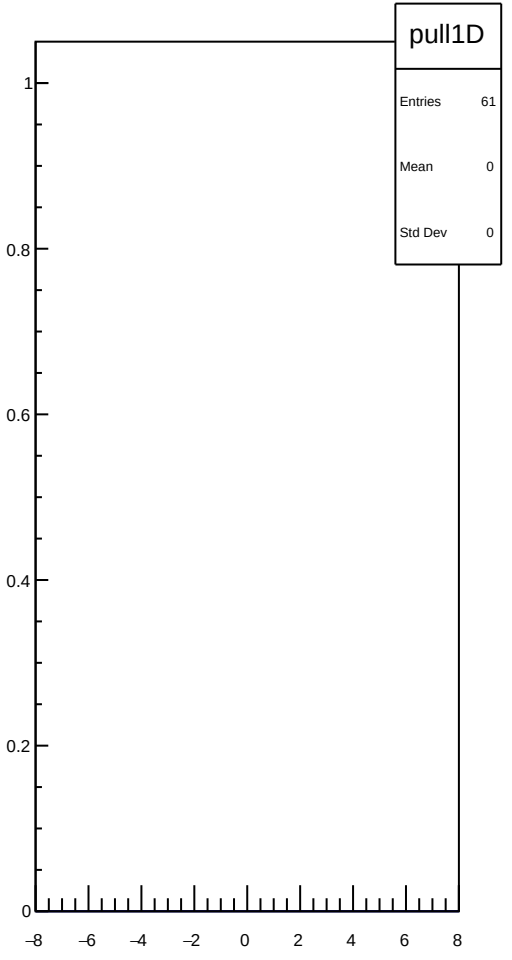

pull1D
Entries 61
Mean −0.03527
Std Dev 0.9653

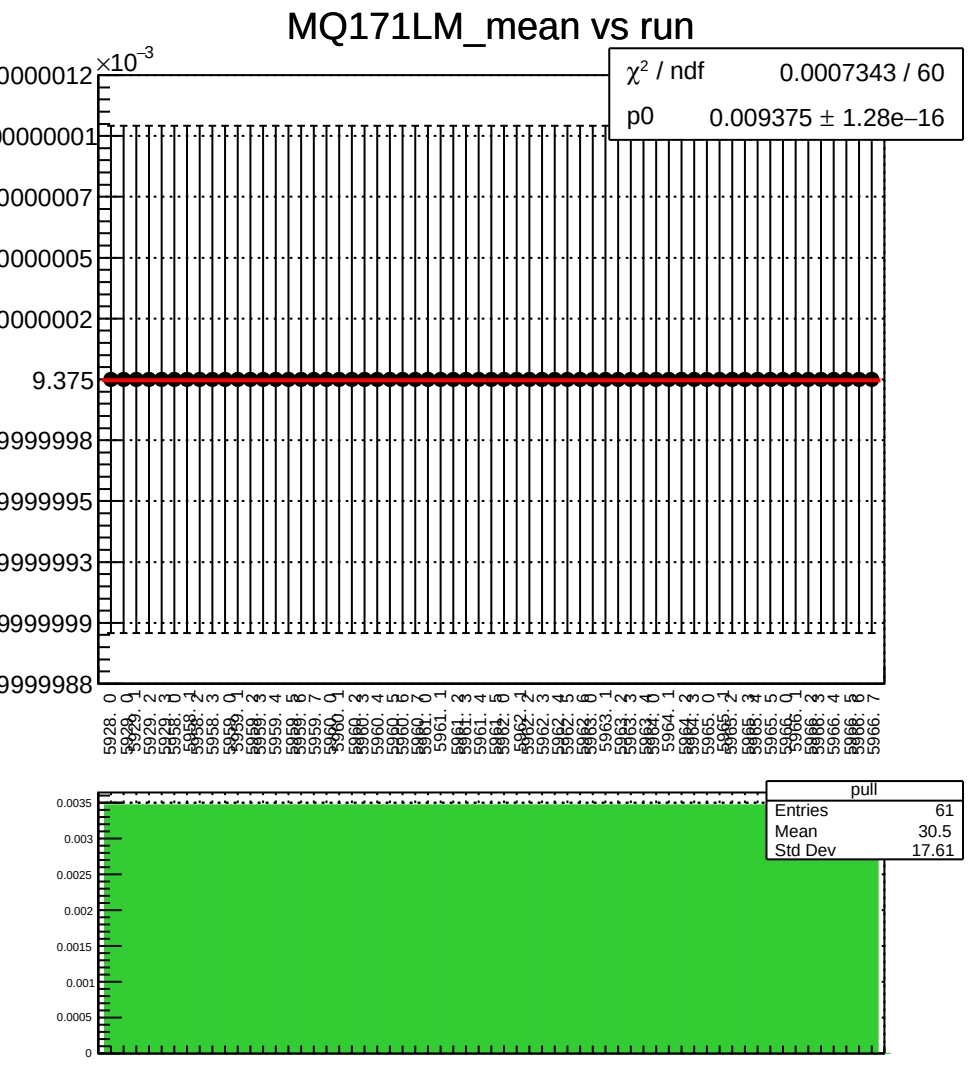

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 55.27 / 60
p0 −0.0009688 ± 0.001173
pull
Entries 61
Mean 21.59
Std Dev 0
pull1D
Entries 61
Mean −0.04768
Std Dev 0.9507

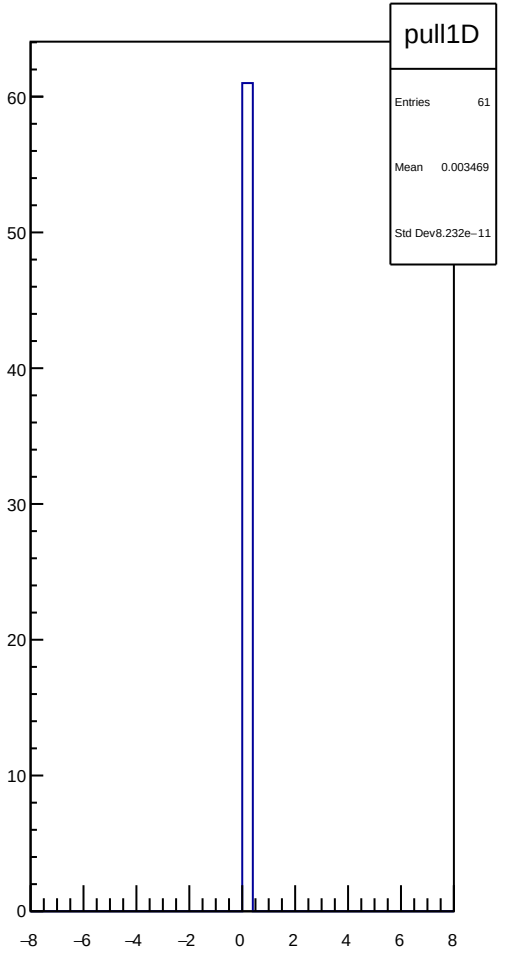

HALLA_p_mean vs run
χ² / ndf 8.068e+29 / 60
p0 2176 ± 1.28e−16
2176.2
2176.15
2176.1
2176.05
2176
2175.95
pull
Entries 61
Mean −2.546e+08
Std Dev 0
×10¹²
50
0
−50
−100
−150
−200

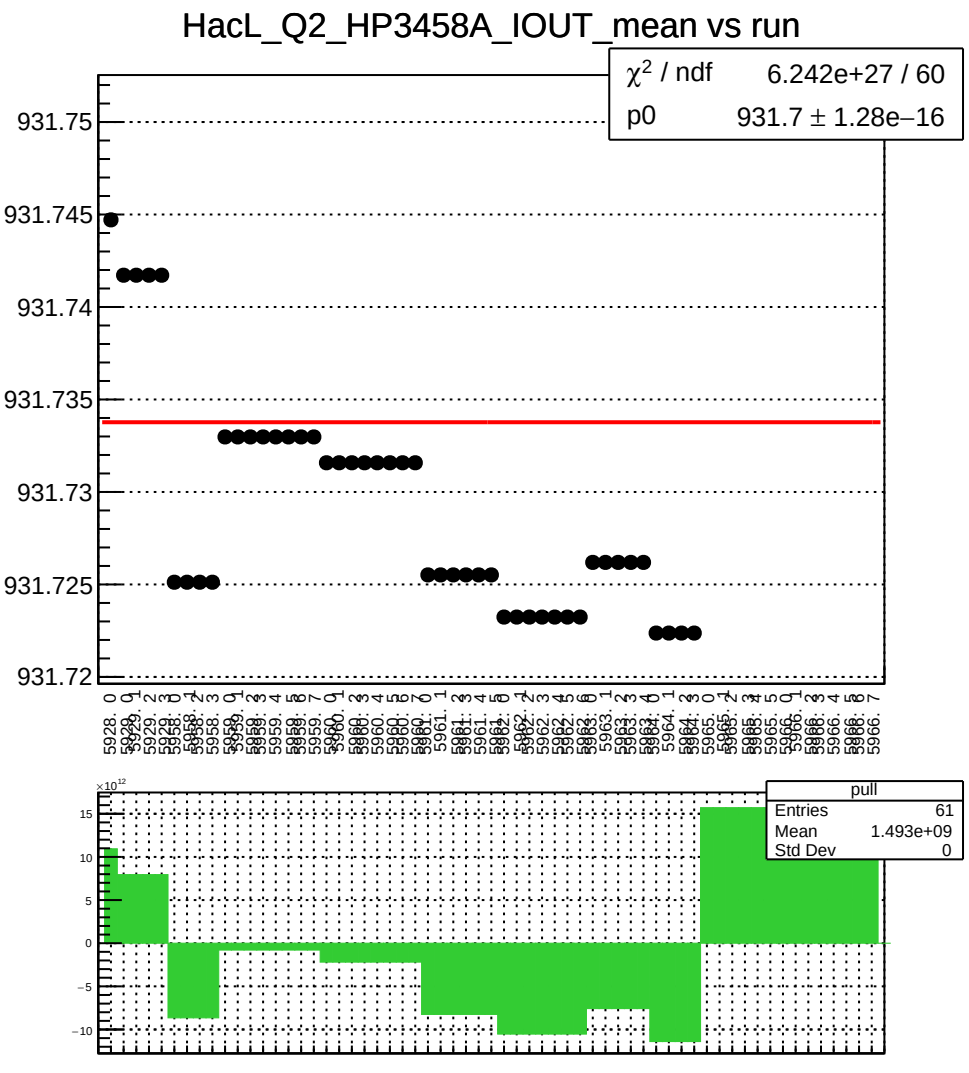

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

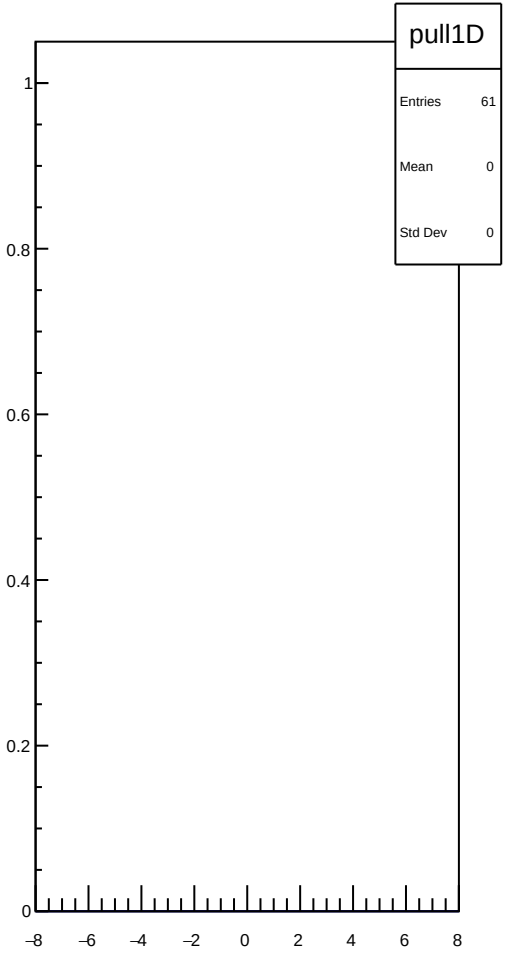

HALLA_dpp_mean vs run
χ² / ndf 2.114e+23 / 60
p0 −7.01e−05 ± 1.28e−16
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 61
Mean −4.337e+09
Std Dev 0
×10⁹
80
60
40
20
0
−20
−40

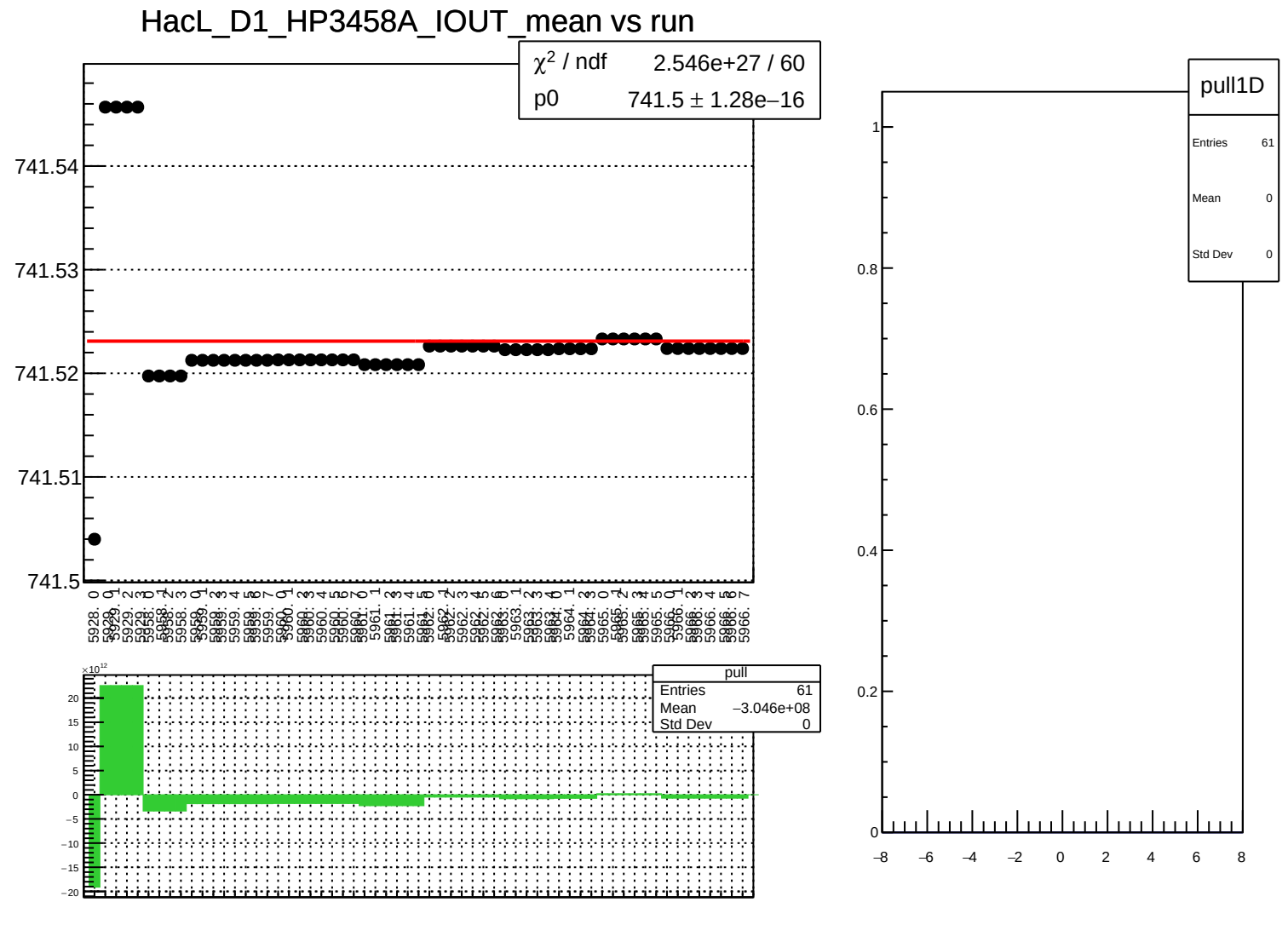

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

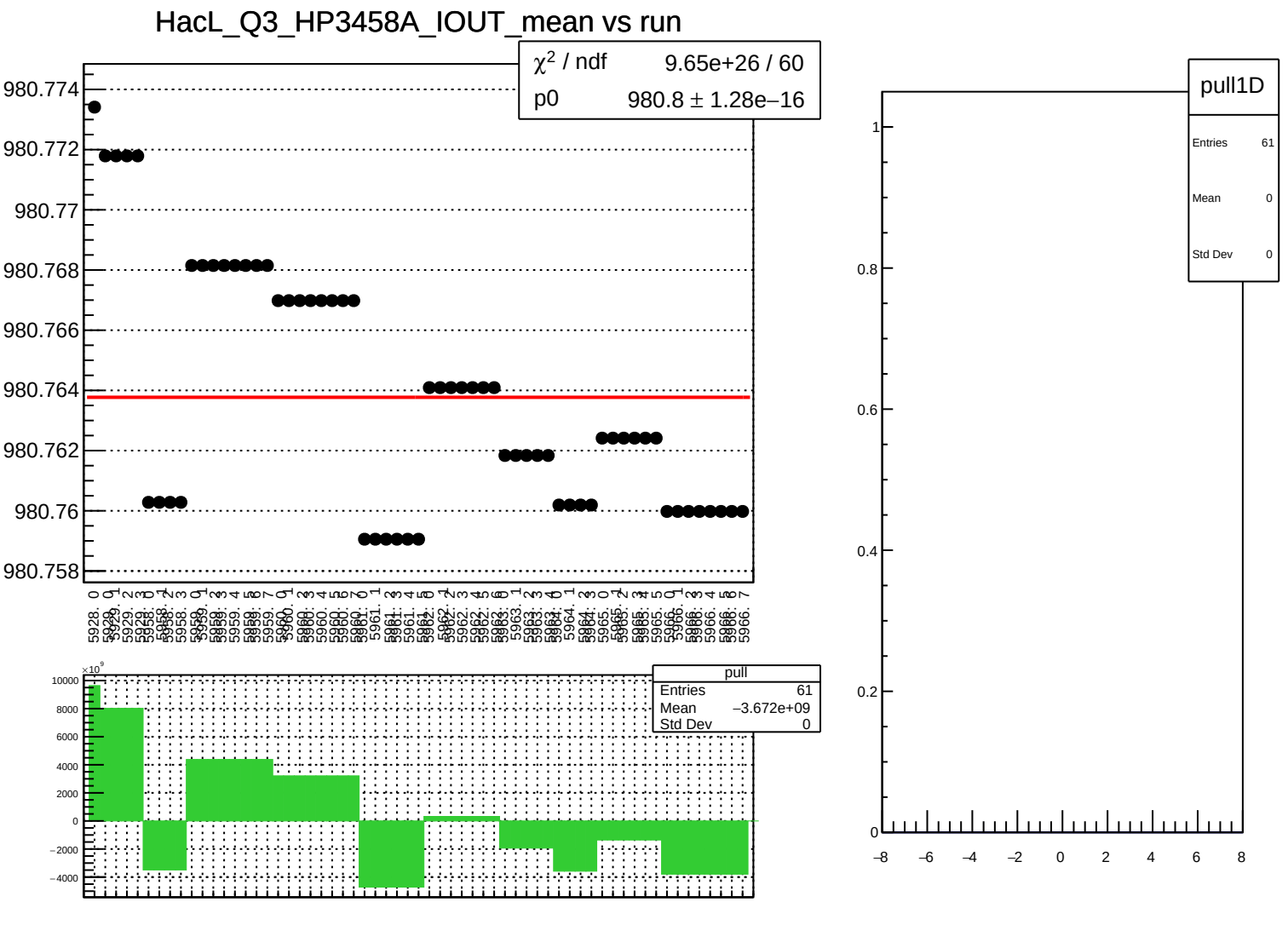

MQ171LM_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61

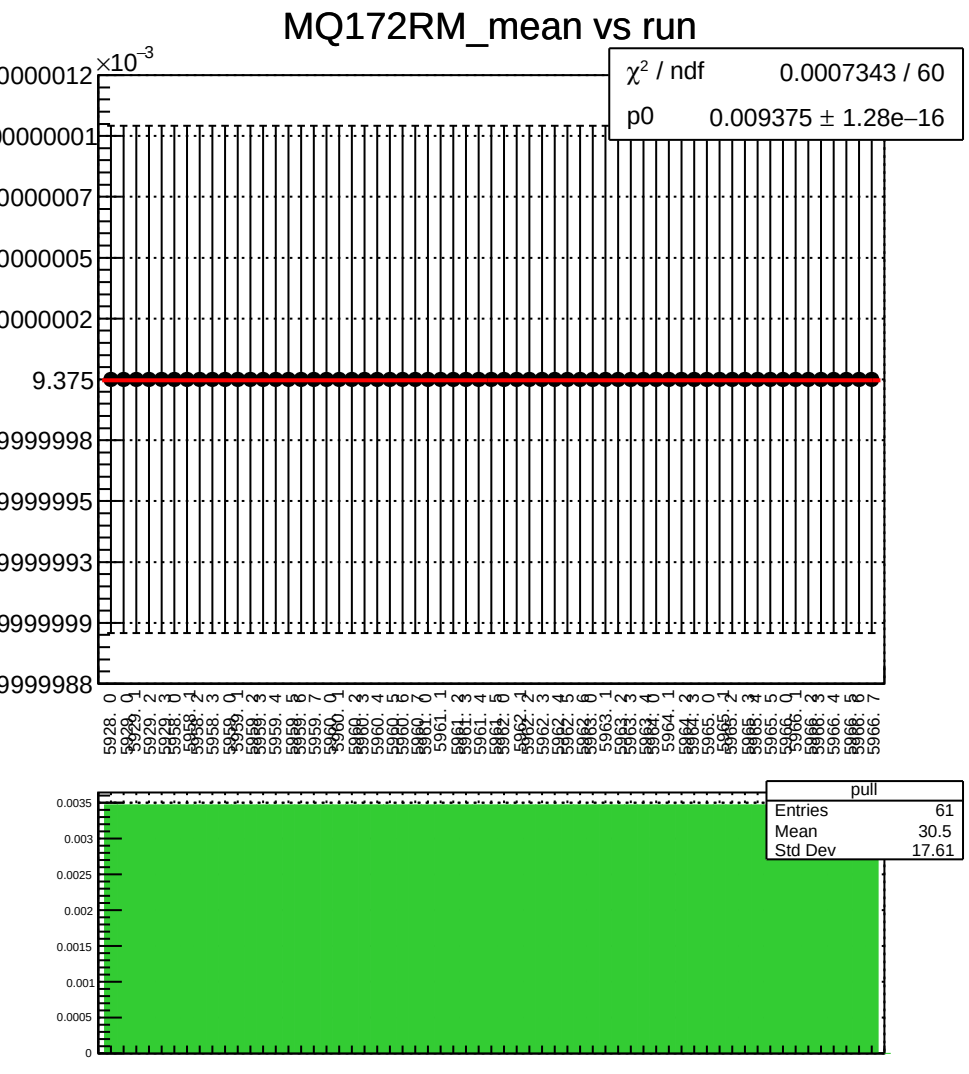

pull1D
Entries 61
Mean 0.003469
Std Dev8.232e−11

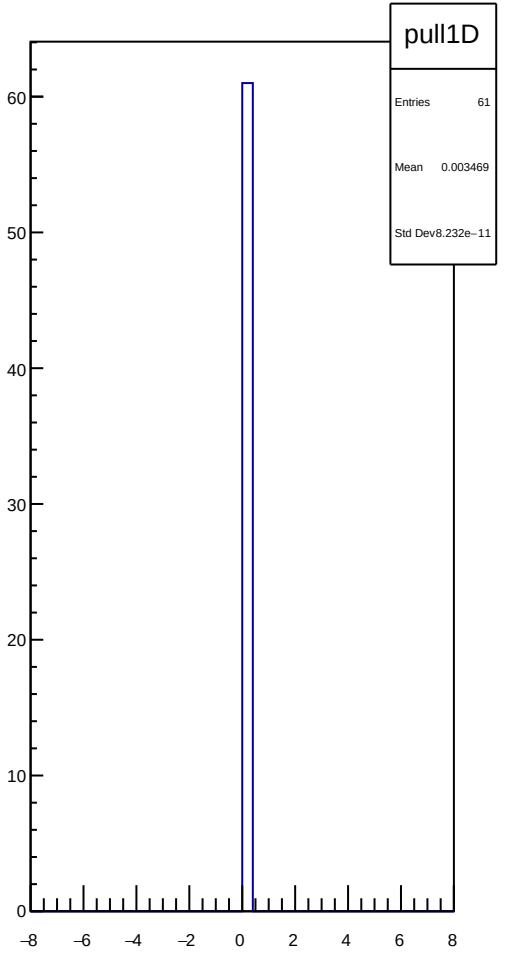

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 6.242e+27 / 60
p0 931.7 ± 1.28e−16
931.75
931.745
931.74
931.735
931.73
931.725
931.72
pull
Entries 61
Mean 1.493e+09
Std Dev 0
×10¹²
15
10
5
0
−5
−10

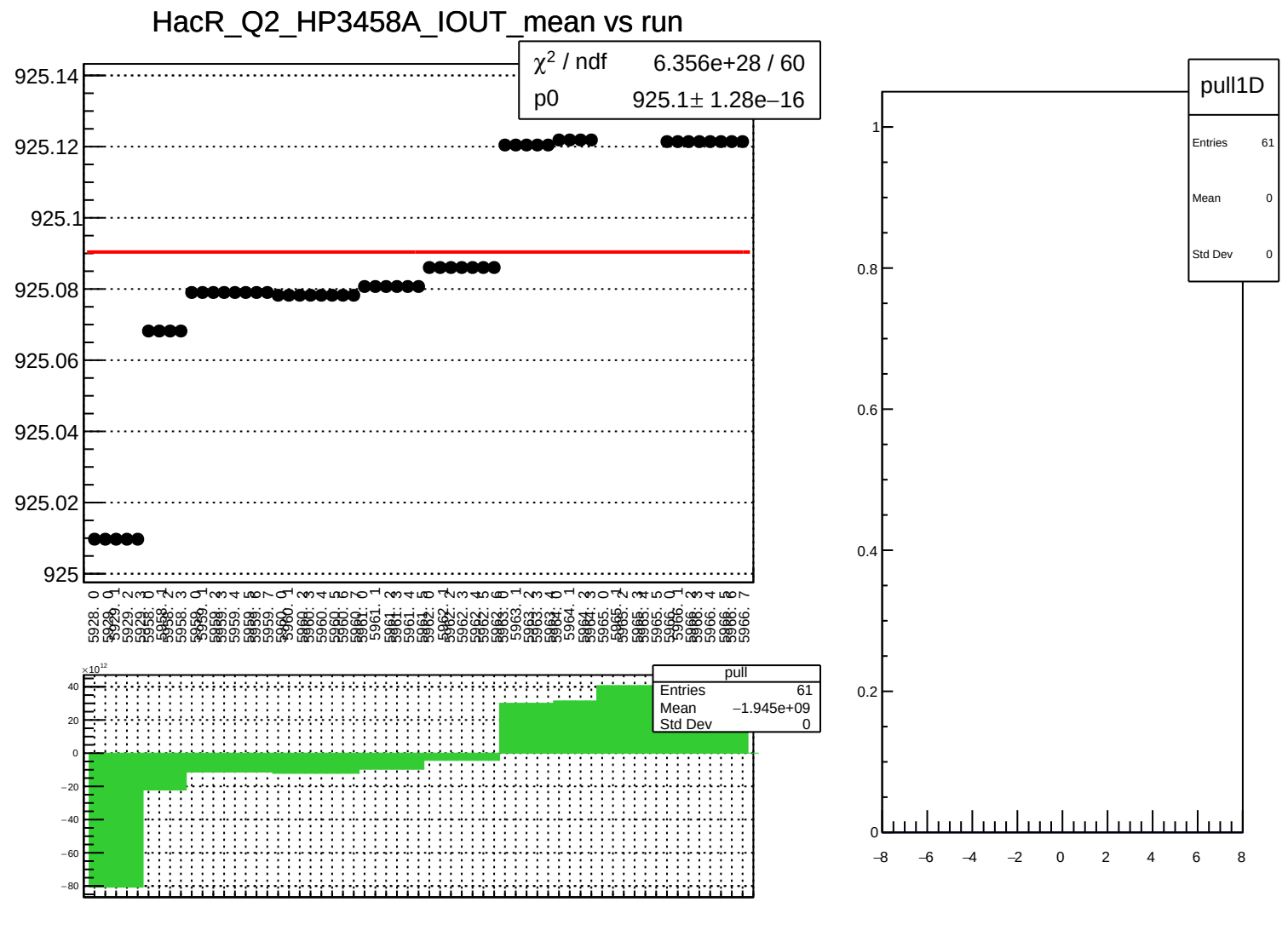

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

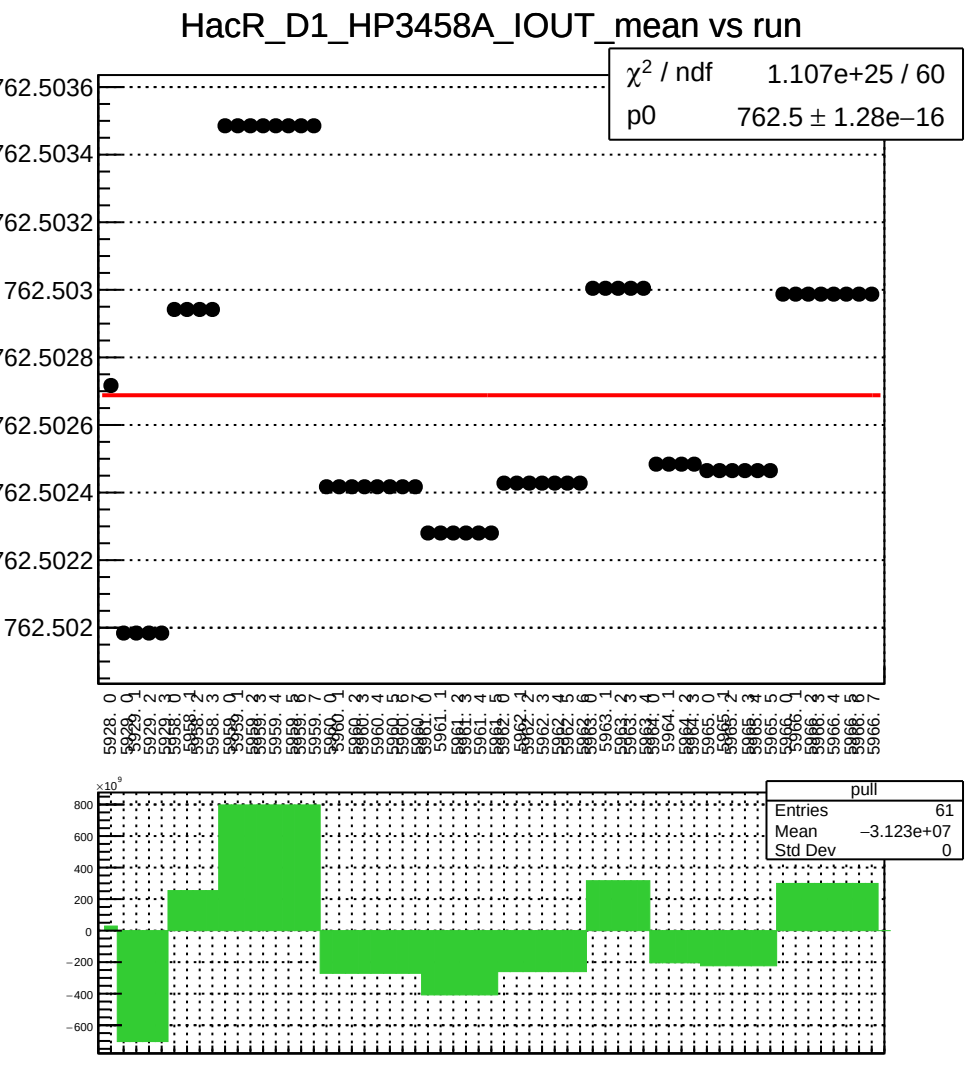

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 2.546e+27 / 60
p0 741.5 ± 1.28e−16
741.54
741.53
741.52
741.51
741.5
pull
Entries 61
Mean −3.046e+08
Std Dev 0
pull1D
Entries 61
Mean 0
Std Dev 0

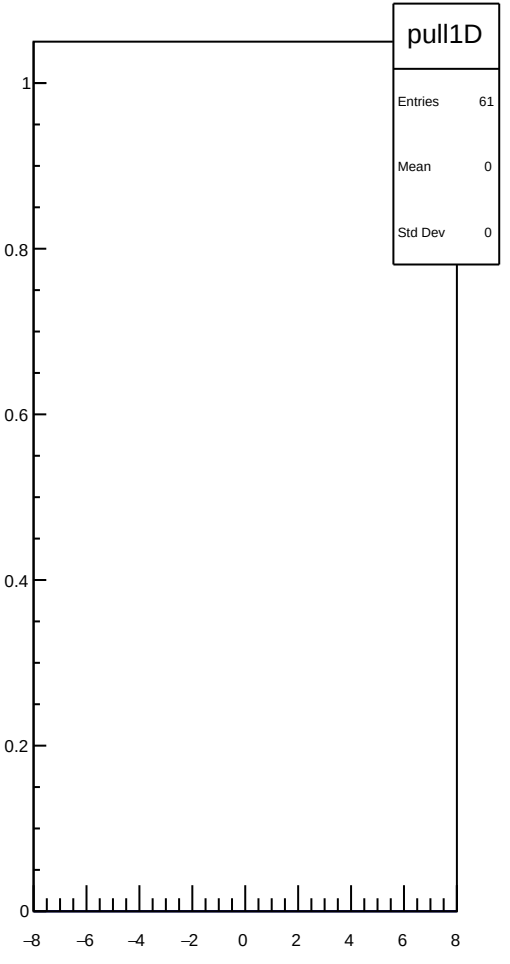

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.65e+26 / 60
p0 980.8 ± 1.28e−16
980.774
980.772
980.77
980.768
980.766
980.764
980.762
980.76
980.758
pull
Entries 61
Mean −3.672e+09
Std Dev 0
×10⁹
10000
8000
6000
4000
2000
0
−2000
−4000
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

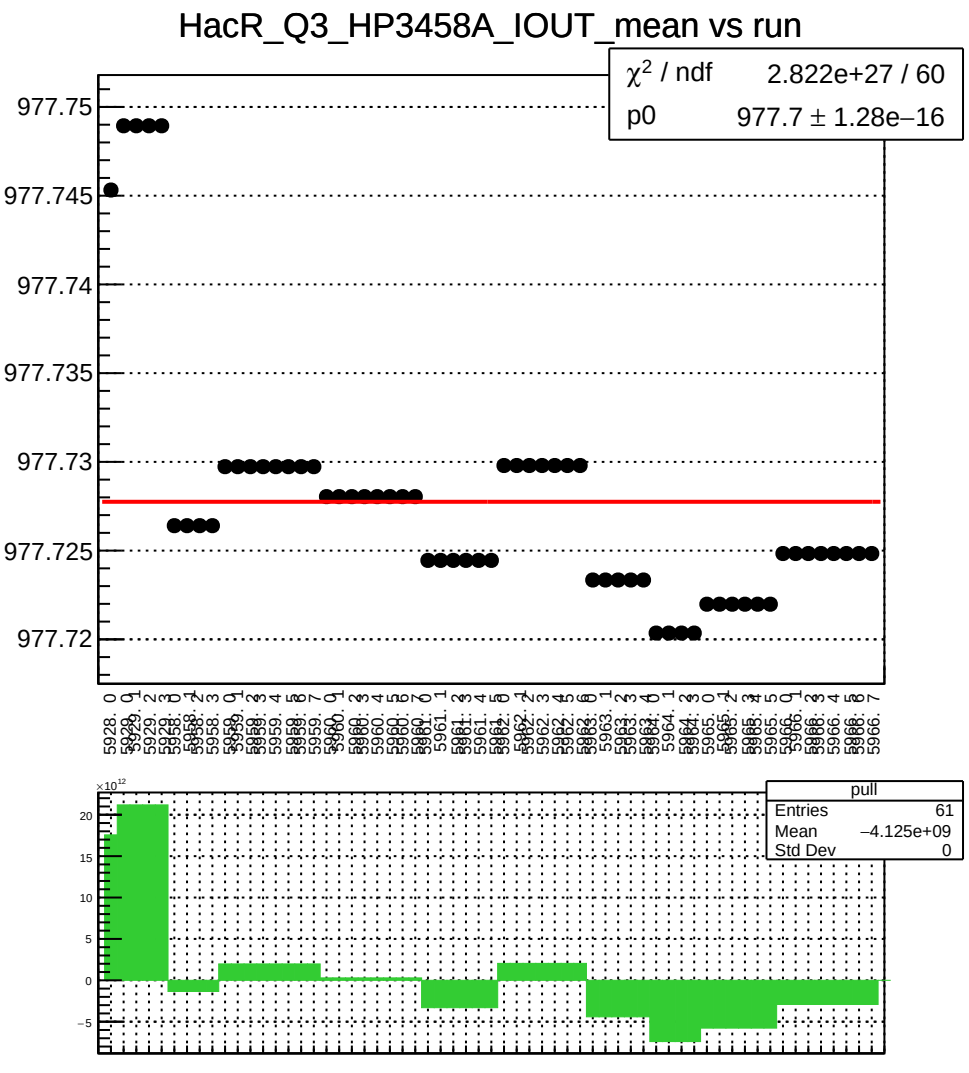

MQ172RM_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61

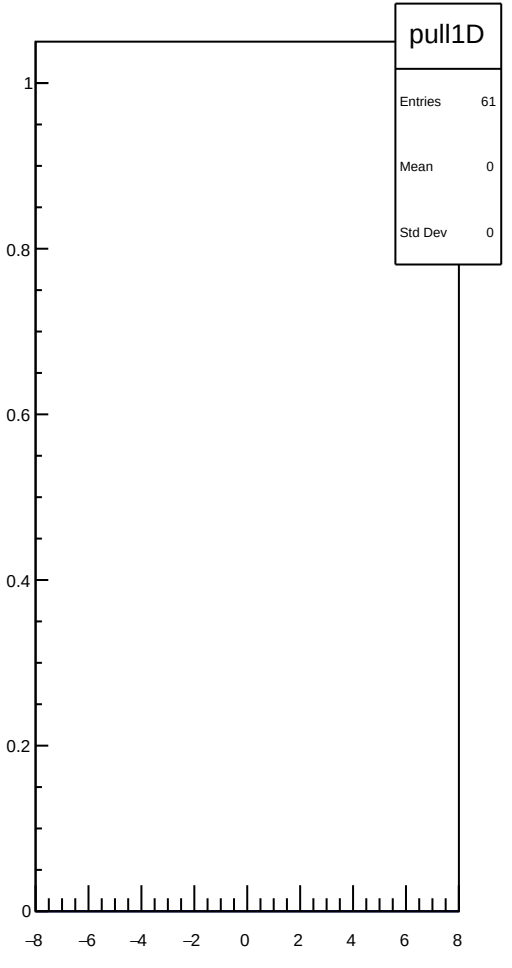

pull1D
Entries 61
Mean 0.003469
Std Dev8.232e−11

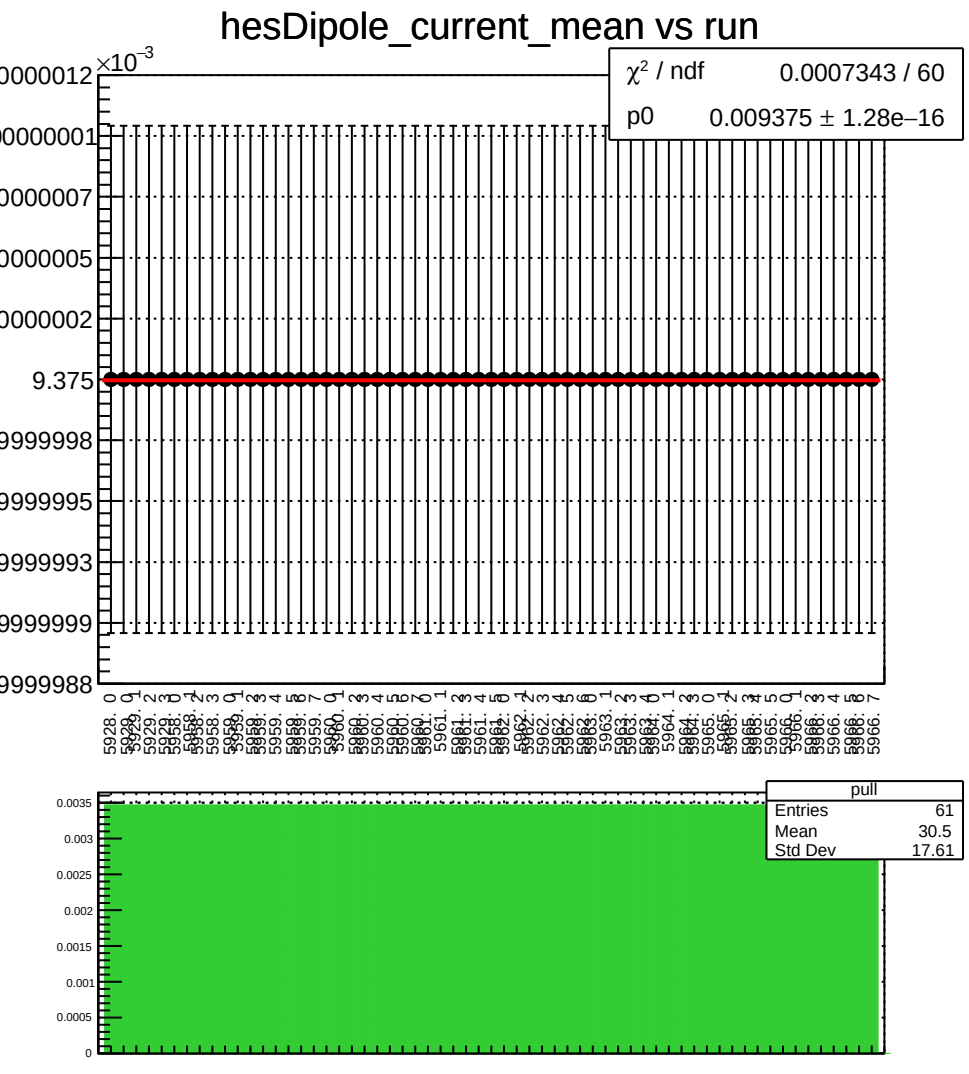

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 6.356e+28 / 60
p0 925.1± 1.28e−16
925.14
925.12
925.1
925.08
925.06
925.04
925.02
925
pull
Entries 61
Mean −1.945e+09
Std Dev 0
×10¹²
40
20
0
−20
−40
−60
−80
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

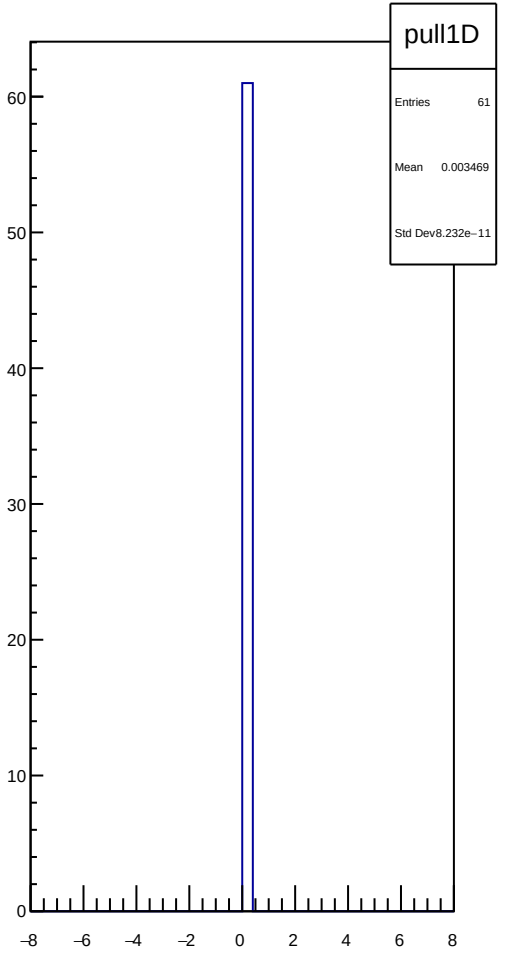

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.107e+25 / 60
p0 762.5 ± 1.28e−16
762.5036
762.5034
762.5032
762.503
762.5028
762.5026
762.5024
762.5022
762.502
pull
Entries 61
Mean −3.123e+07
Std Dev 0
×10⁹
800
600
400
200
0
−200
−400
−600

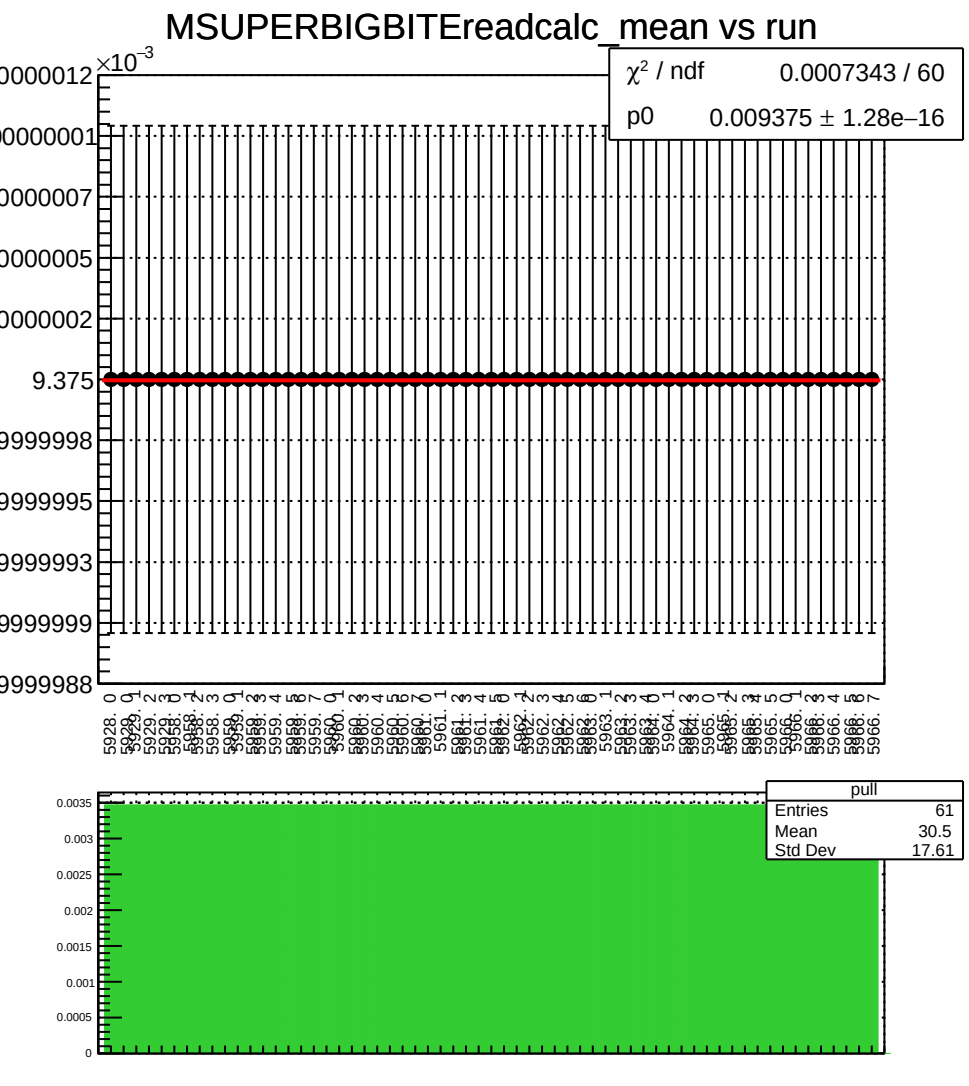

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

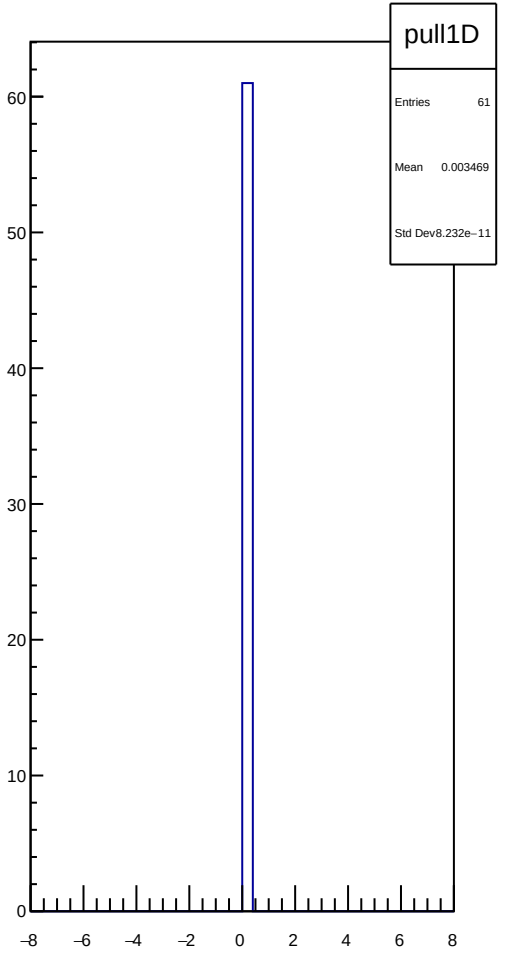

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.822e+27 / 60
p0 977.7 ± 1.28e−16
977.75
977.745
977.74
977.735
977.73
977.725
977.72
pull
Entries 61
Mean −4.125e+09
Std Dev 0
×10¹²
20
15
10
5
0
−5

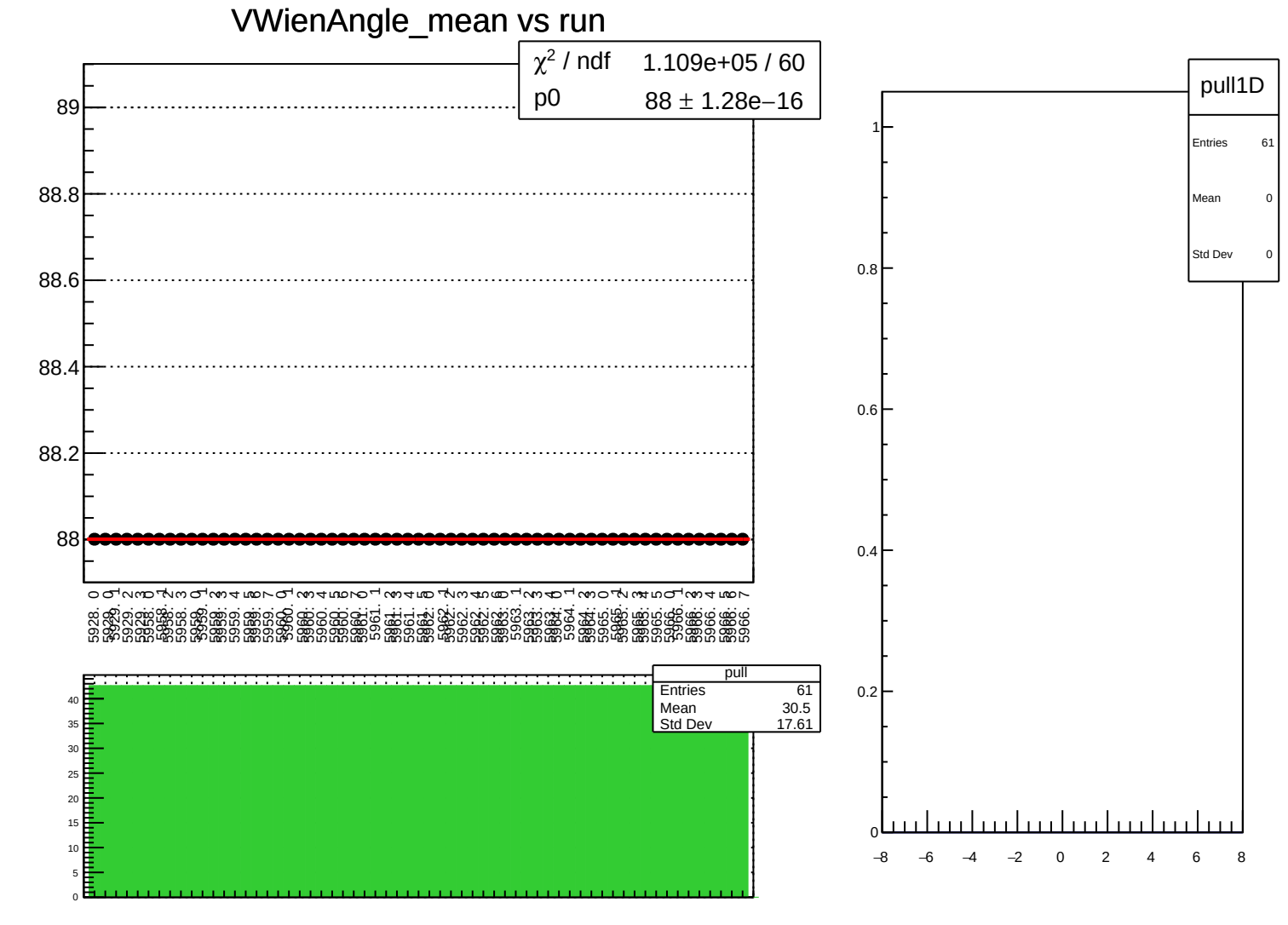

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

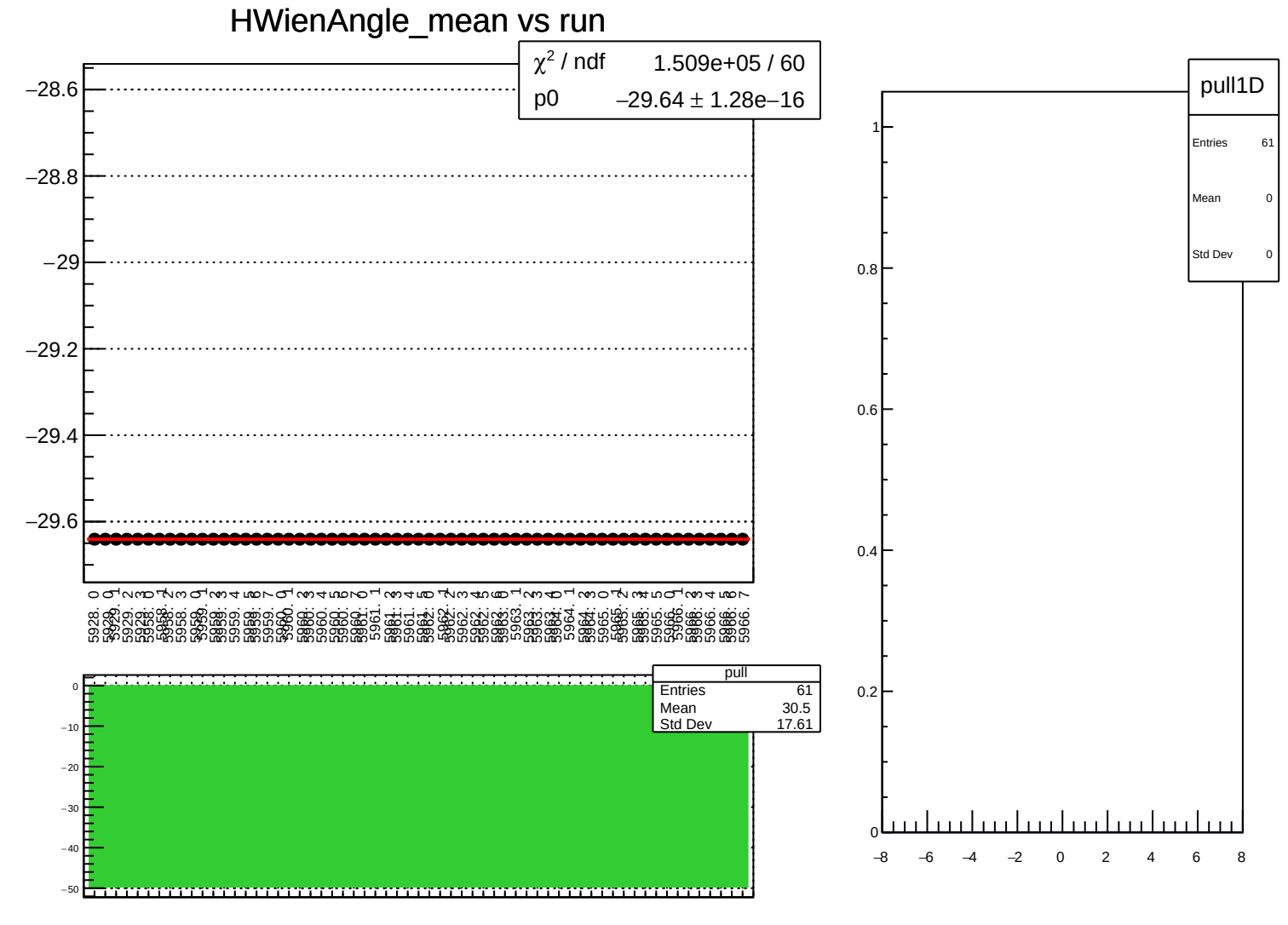

hesDipole_current_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61

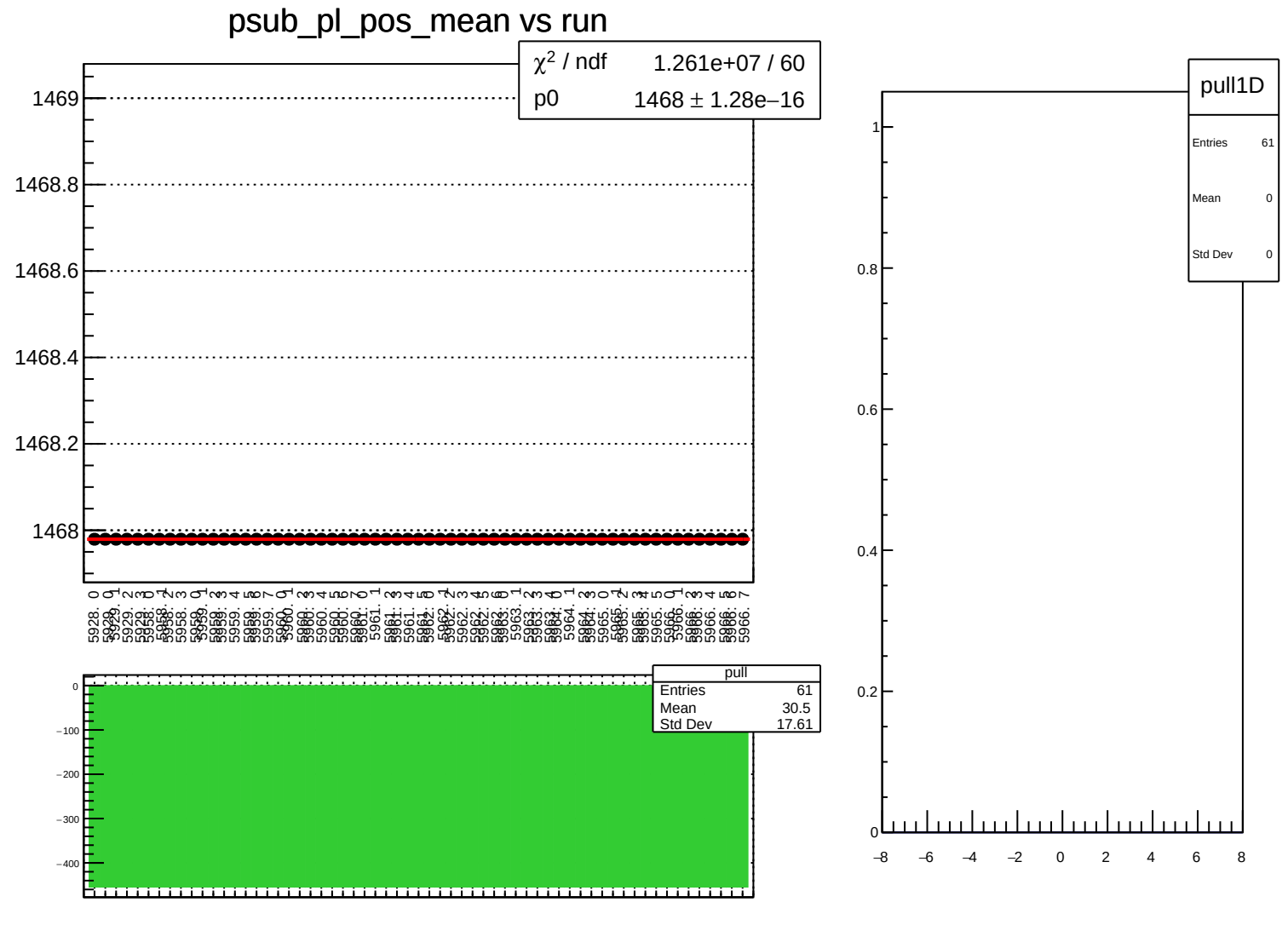

pull1D
Entries 61
Mean 0.003469
Std Dev8.232e−11

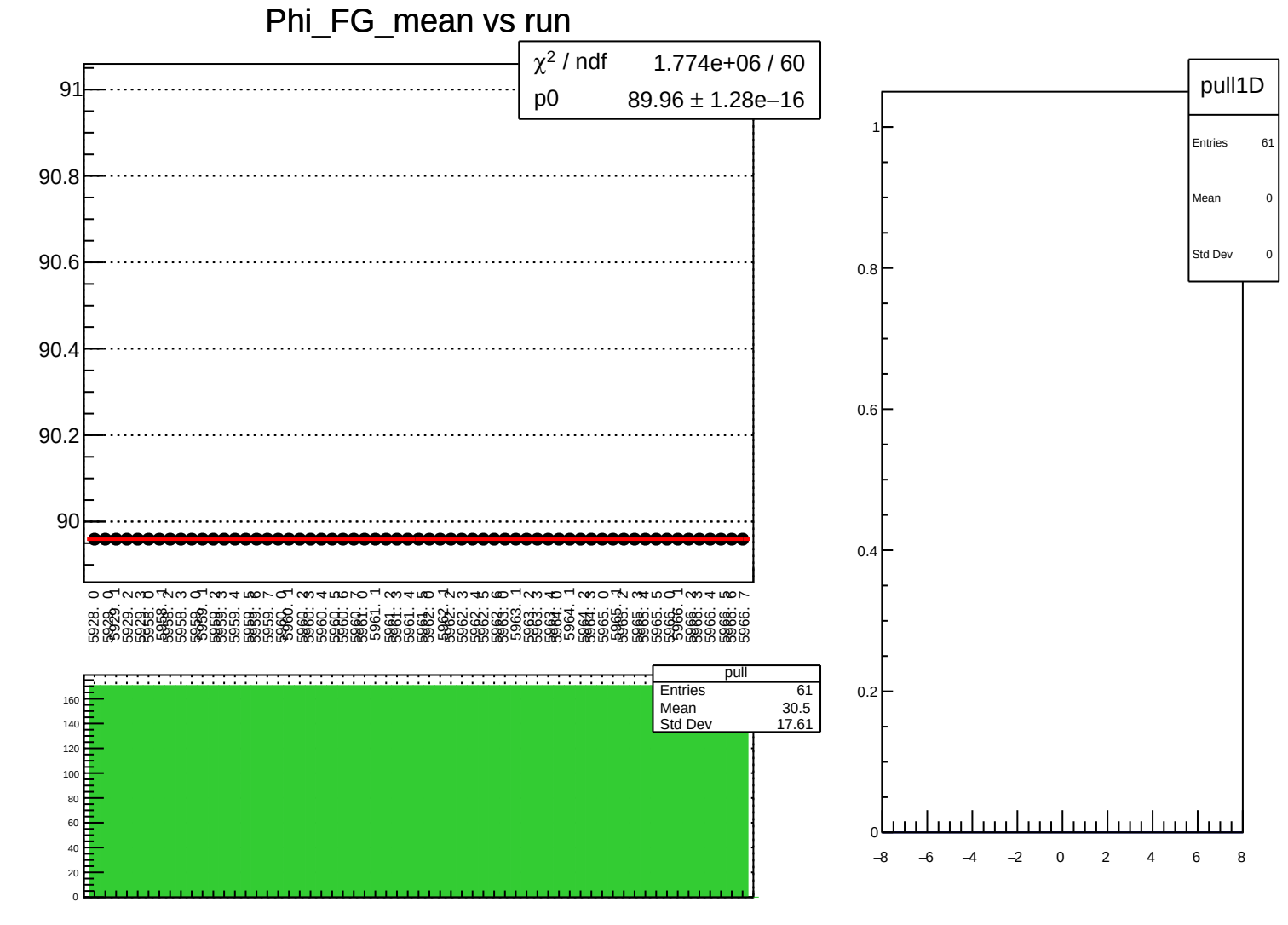

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61

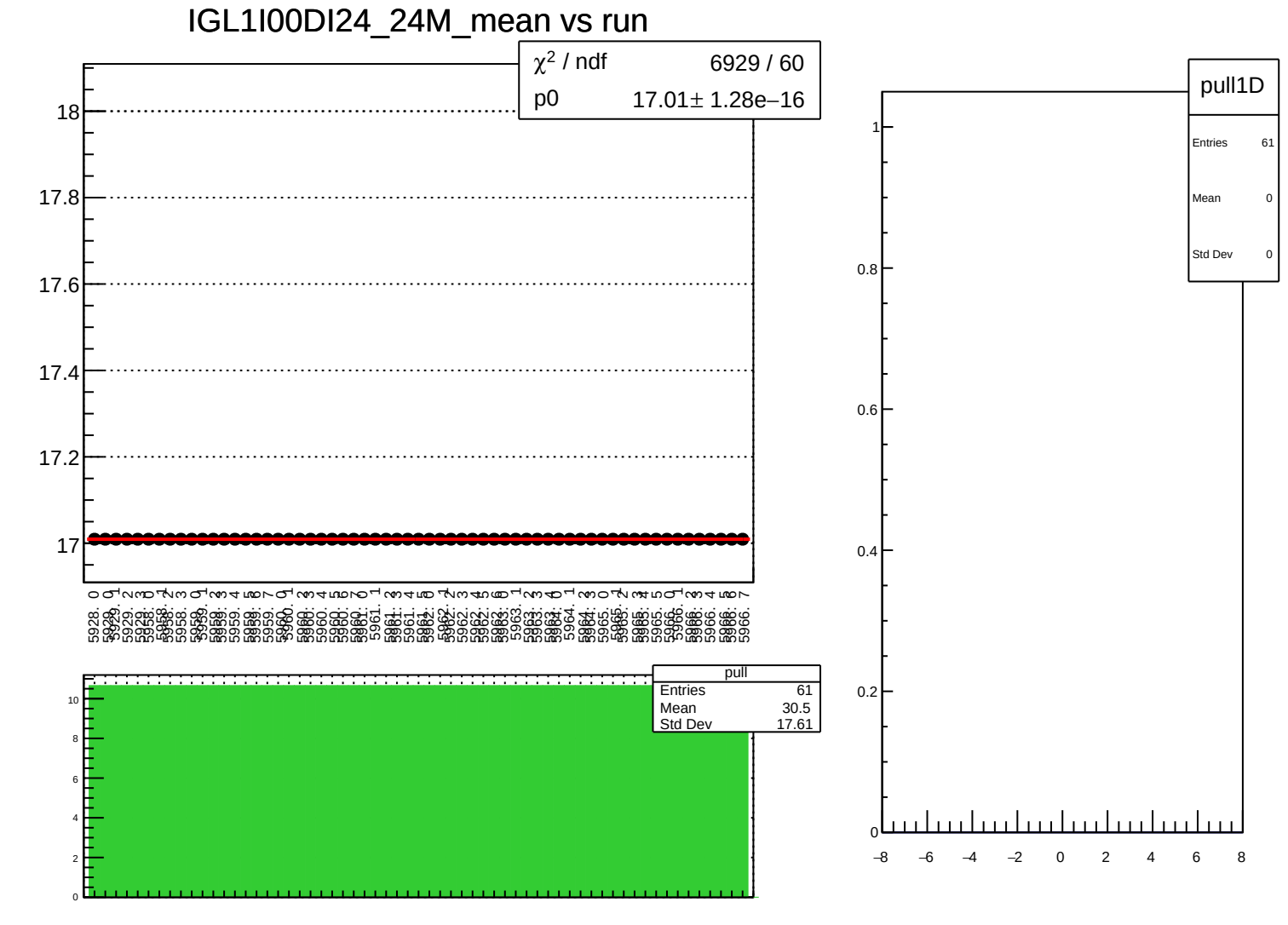

pull1D
Entries 61
Mean 0.003469
Std Dev 8.232e−11

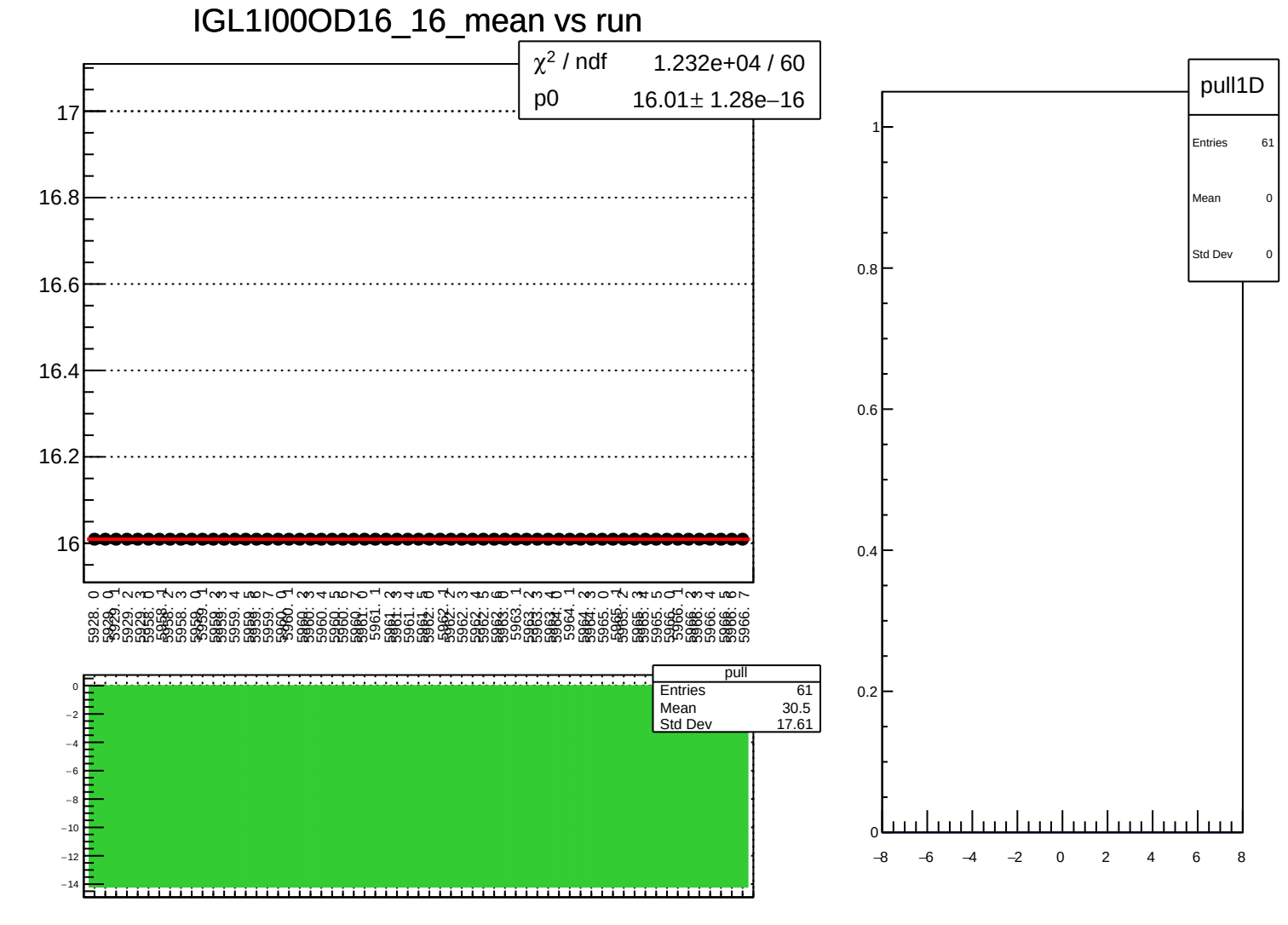

VWienAngle_mean vs run
χ² / ndf 1.109e+05 / 60
p0 88 ± 1.28e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 61
Mean 30.5
Std Dev 17.61
40
35
30
25
20
15
10
5
0
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

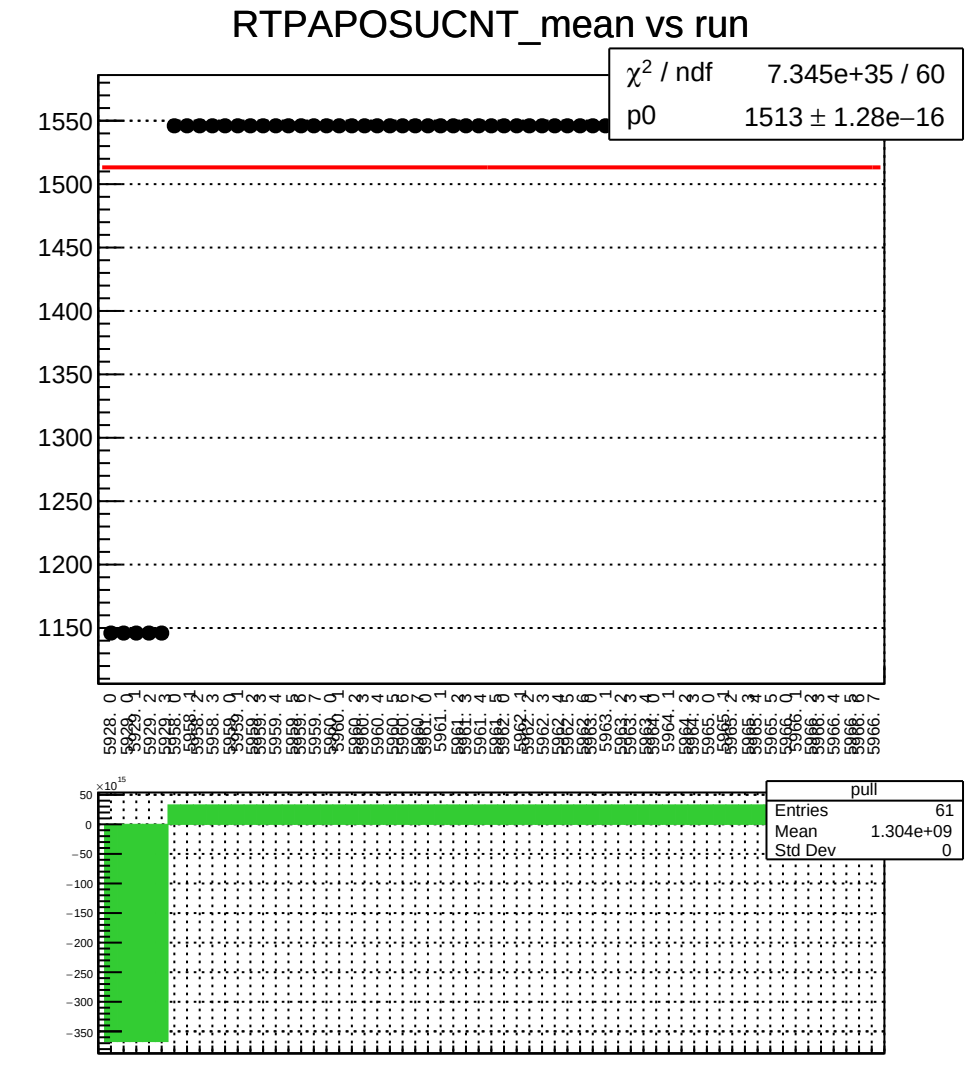

HWienAngle_mean vs run
χ² / ndf 1.509e+05 / 60
p0 −29.64 ± 1.28e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 61
Mean 30.5
Std Dev 17.61
0
−10
−20
−30
−40
−50
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

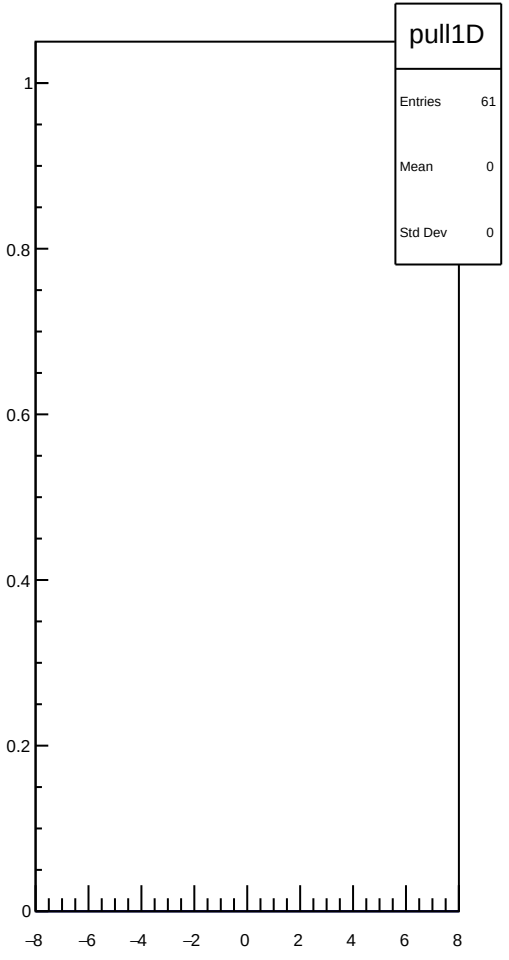

psub_pl_pos_mean vs run
χ² / ndf 1.261e+07 / 60
p0 1468 ± 1.28e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 61
Mean 30.5
Std Dev 17.61
0
−100
−200
−300
−400
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

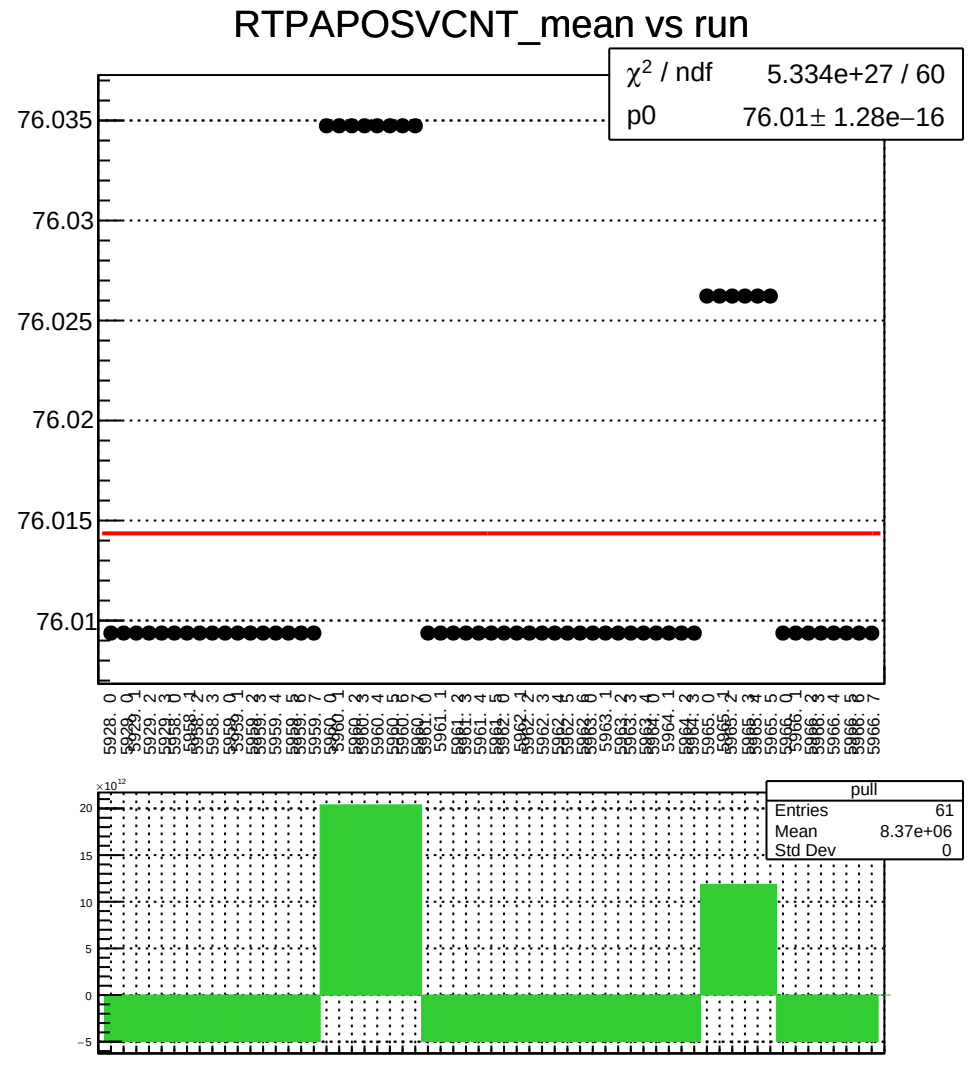

Phi_FG_mean vs run
χ² / ndf 1.774e+06 / 60
p0 89.96 ± 1.28e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 61
Mean 30.5
Std Dev 17.61
160
140
120
100
80
60
40
20
0
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

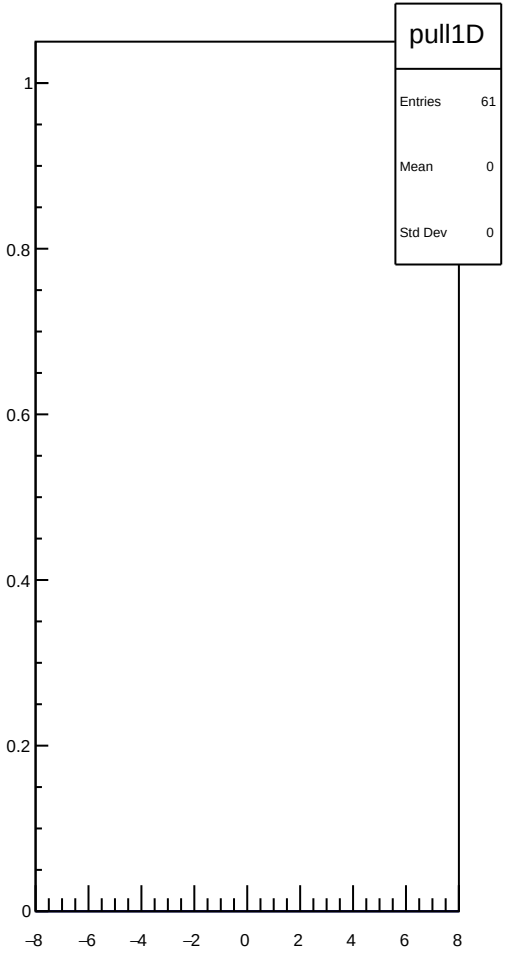

IGL1I00DI24_24M_mean vs run
χ² / ndf 6929 / 60
p0 17.01± 1.28e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 61
Mean 30.5
Std Dev 17.61
10
8
6
4
2
0
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

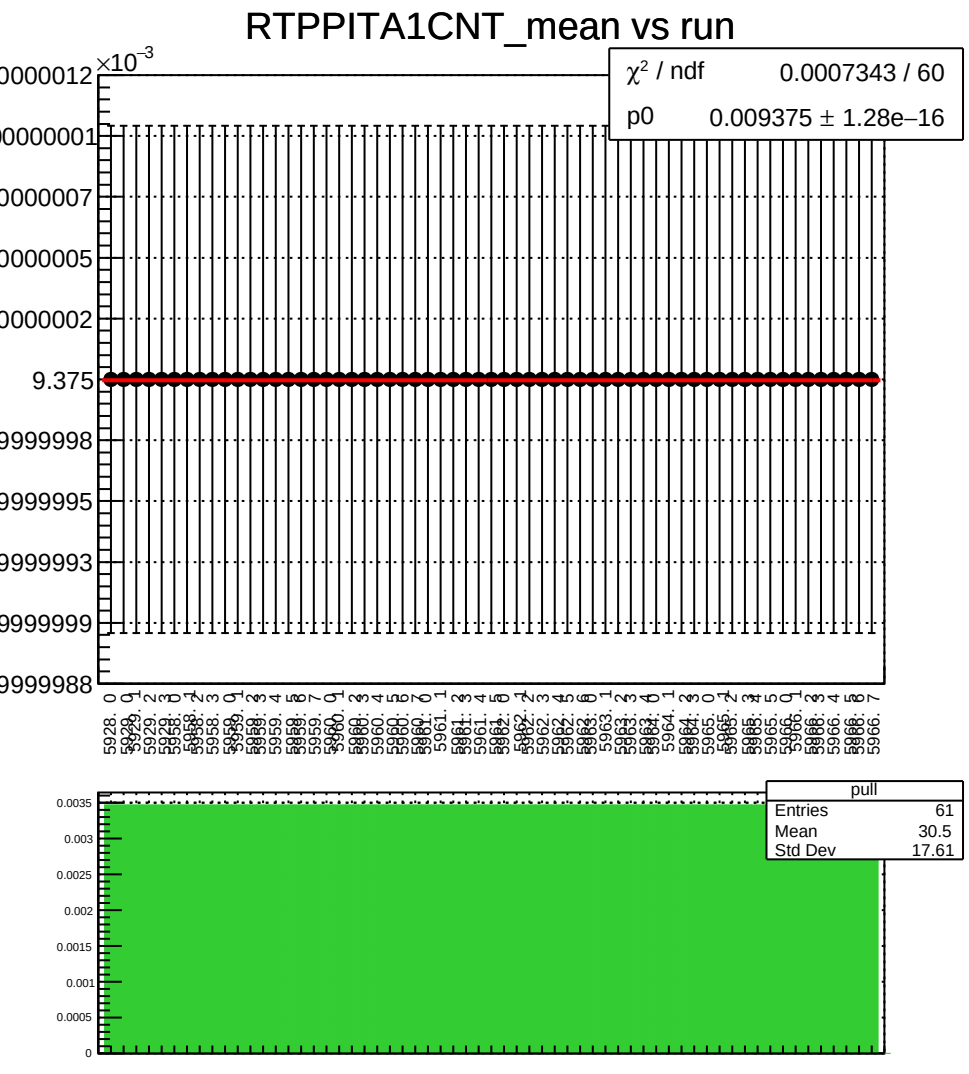

IGL1I00OD16_16_mean vs run
χ² / ndf 1.232e+04 / 60
p0 16.01± 1.28e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 61
Mean 30.5
Std Dev 17.61
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

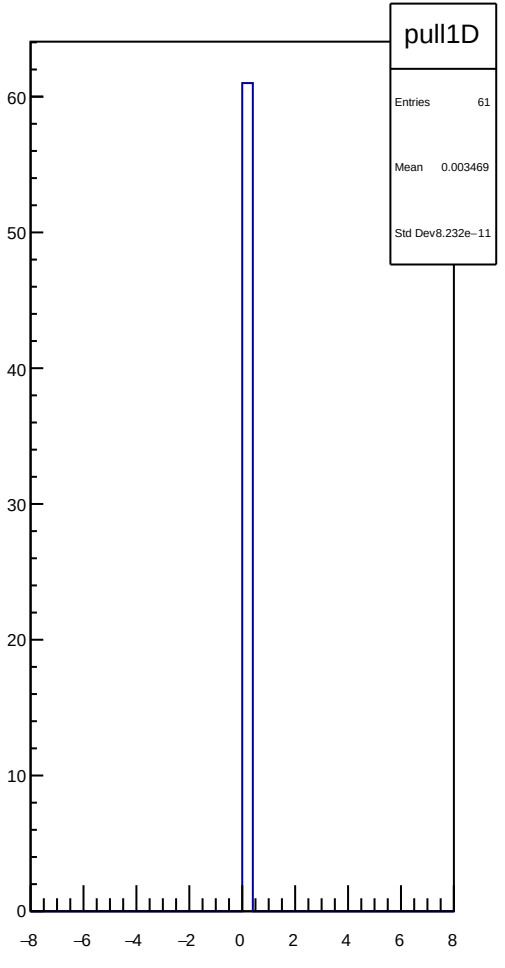

RTPAPOSUCNT_mean vs run
χ² / ndf 7.345e+35 / 60
p0 1513 ± 1.28e−16
1550
1500
1450
1400
1350
1300
1250
1200
1150
pull
Entries 61
Mean 1.304e+09
Std Dev 0
×10¹⁵
50
0
−50
−100
−150
−200
−250
−300
−350

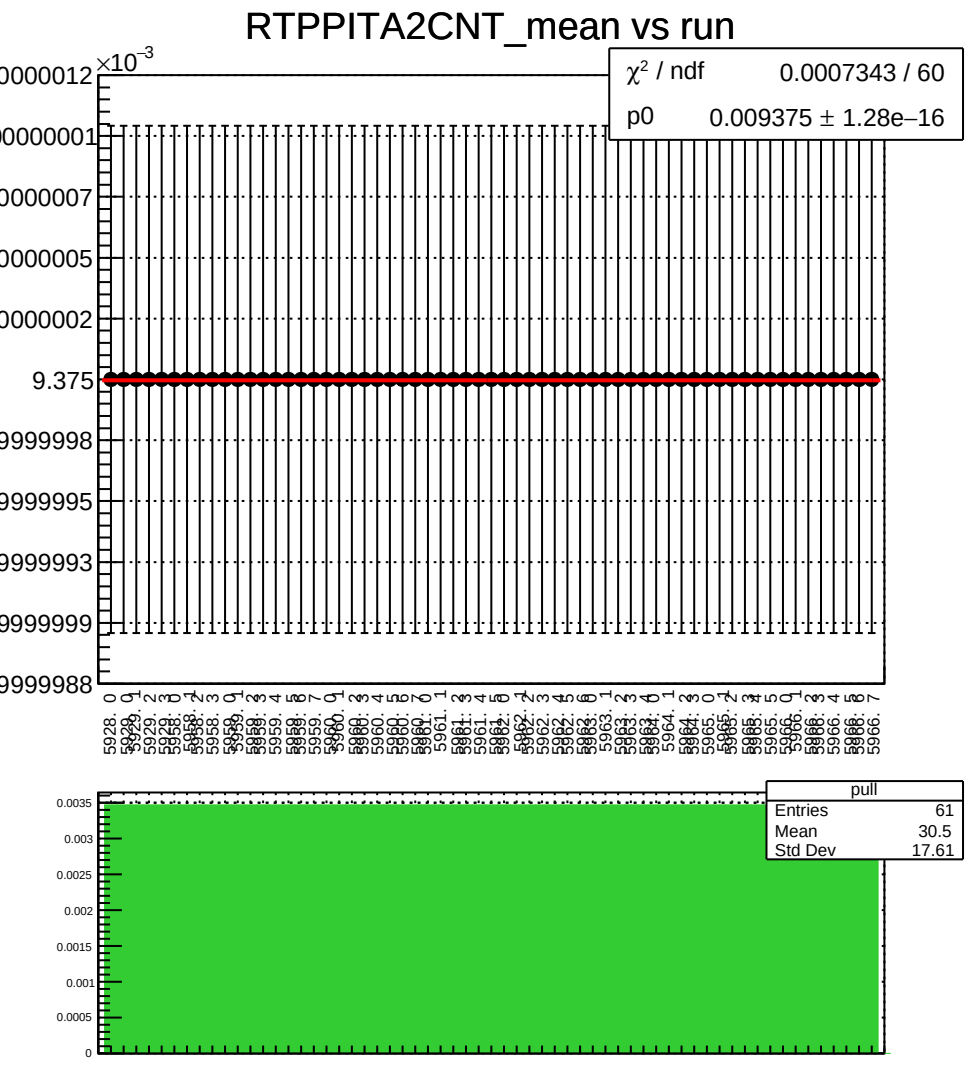

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

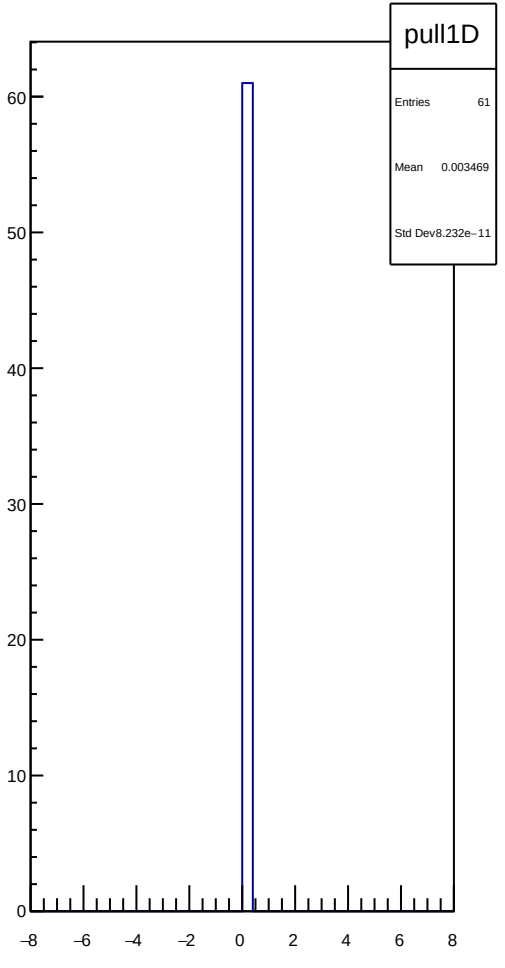

RTPAPOSVCNT_mean vs run
χ² / ndf 5.334e+27 / 60
p0 76.01± 1.28e−16
76.035
76.03
76.025
76.02
76.015
76.01
pull
Entries 61
Mean 8.37e+06
Std Dev 0
×10¹²
20
15
10
5
0
−5


pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61


pull1D
Entries 61
Mean 0.003469
Std Dev8.232e−11


RTPPITA2CNT_mean vs run
χ² / ndf 0.0007343 / 60
p0 0.009375 ± 1.28e−16
×10⁻³
pull
Entries 61
Mean 30.5
Std Dev 17.61


pull1D
Entries 61
Mean 0.003469
Std Dev 8.232e−11