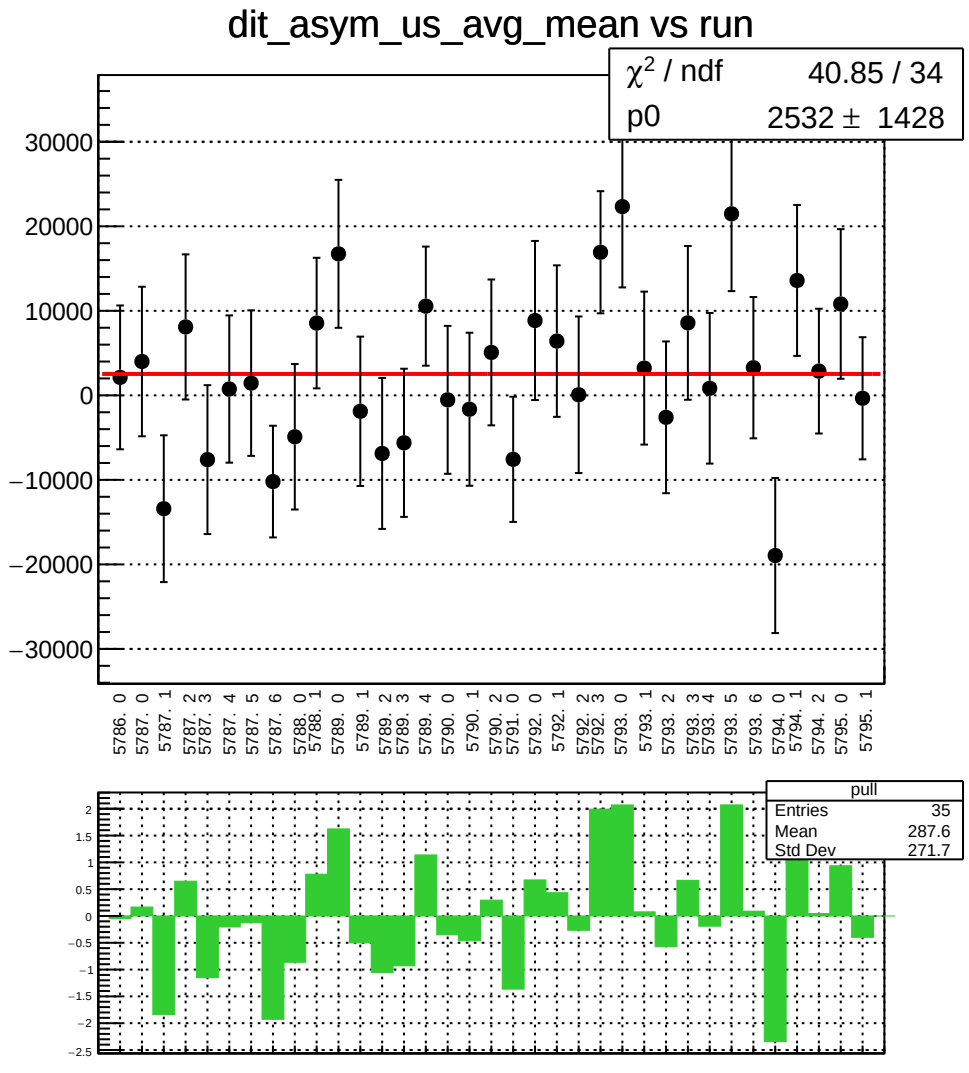
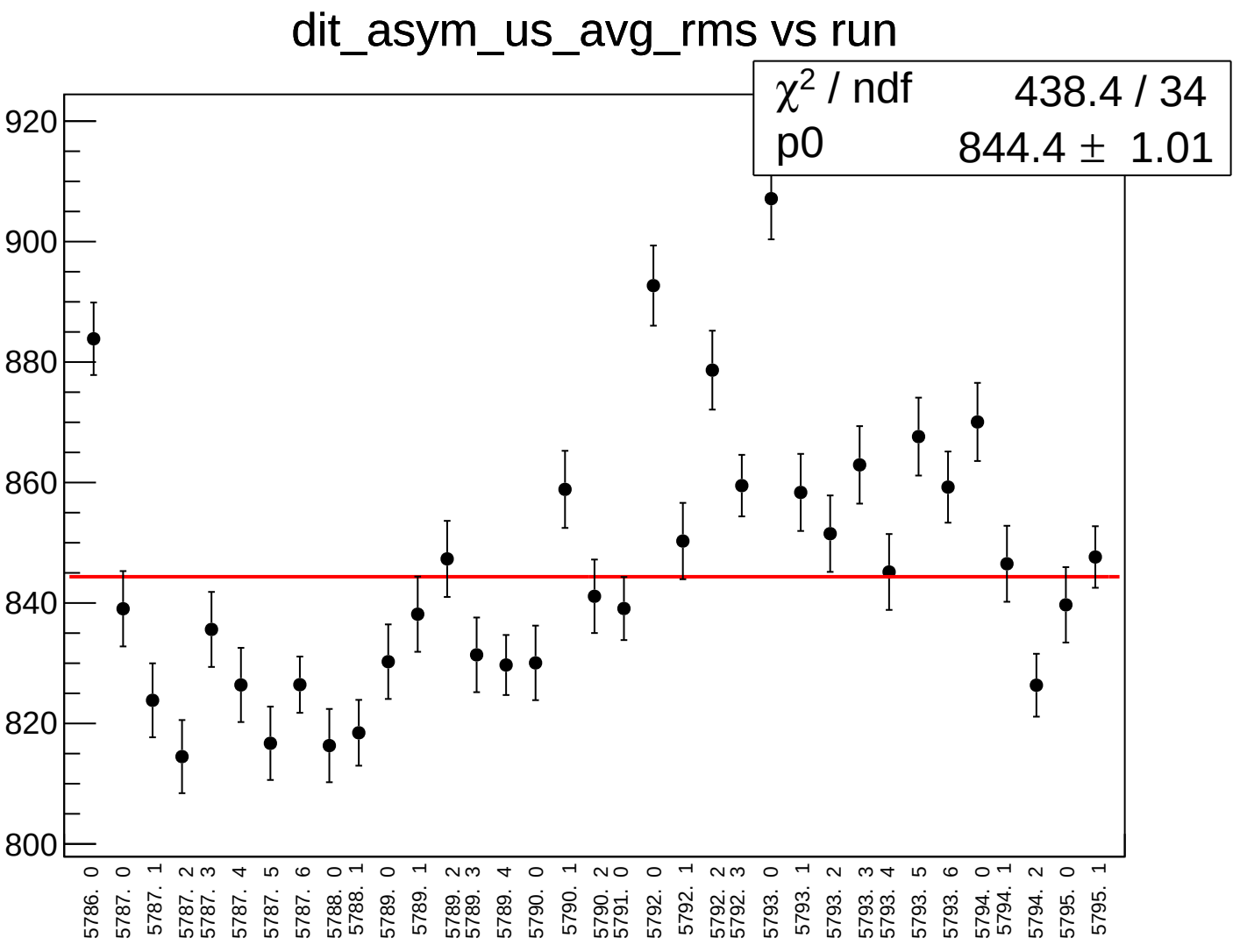
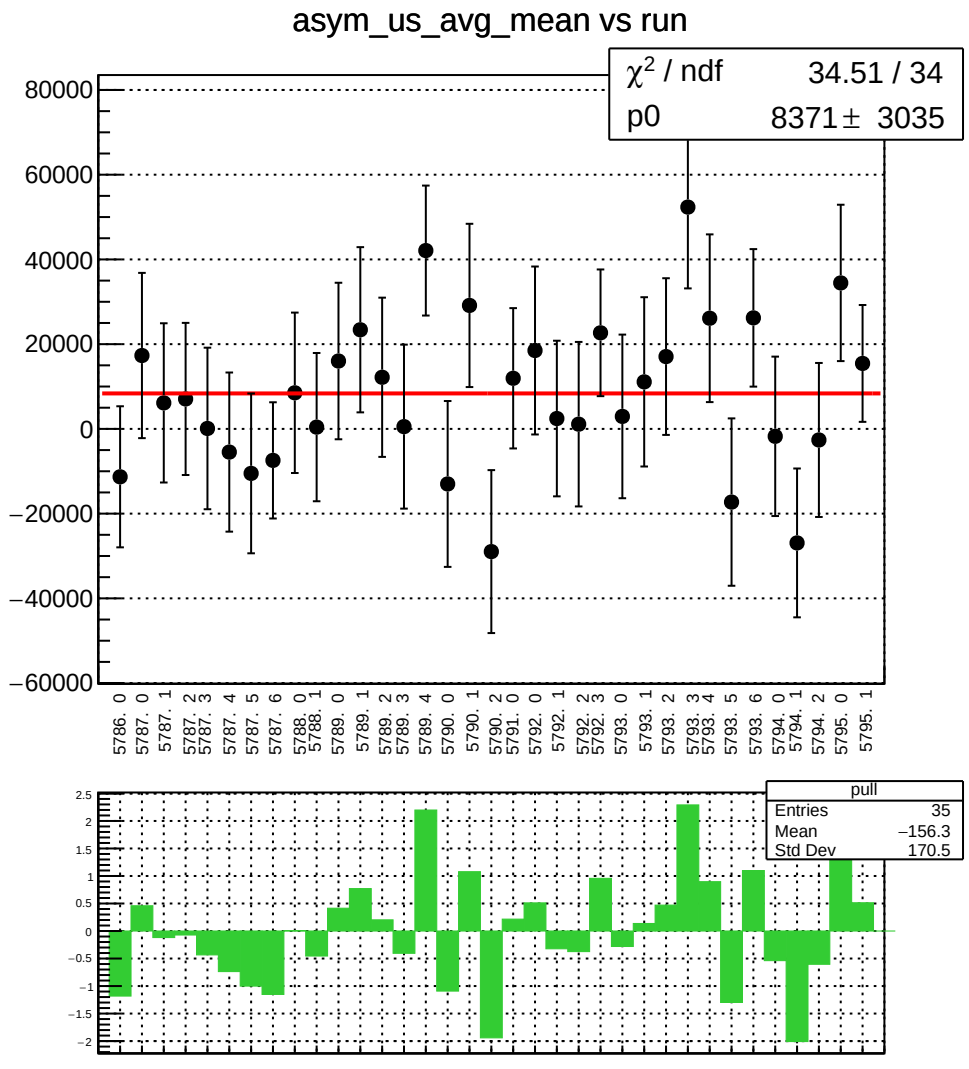
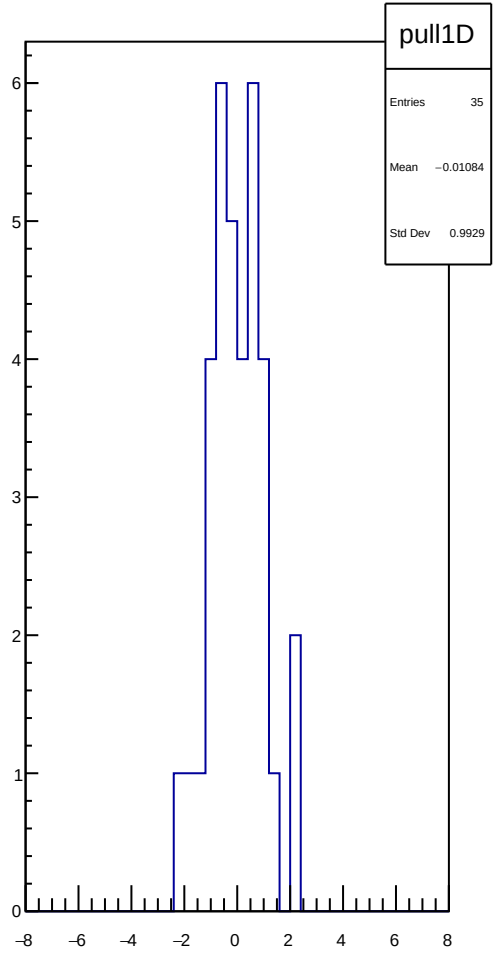
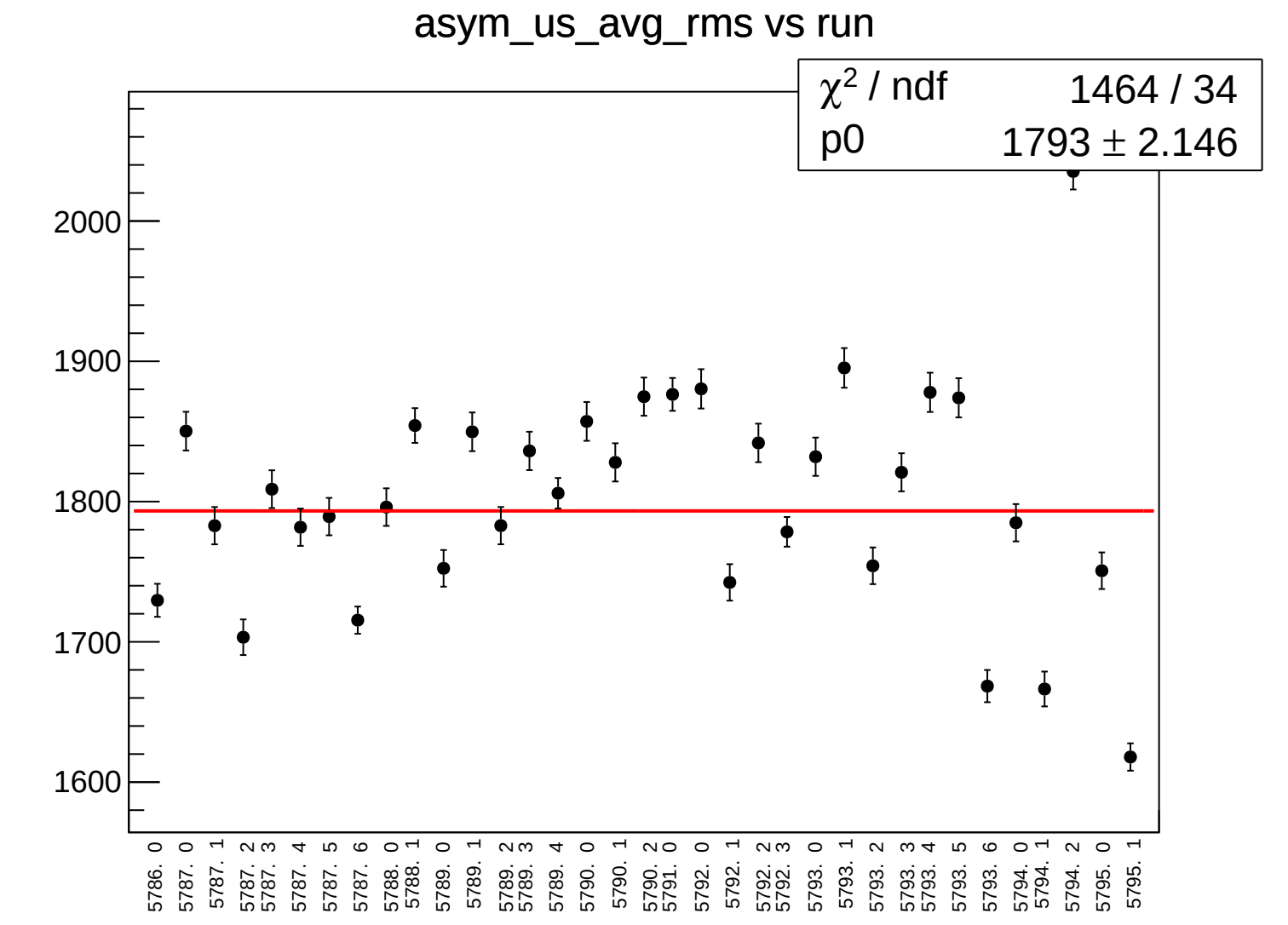
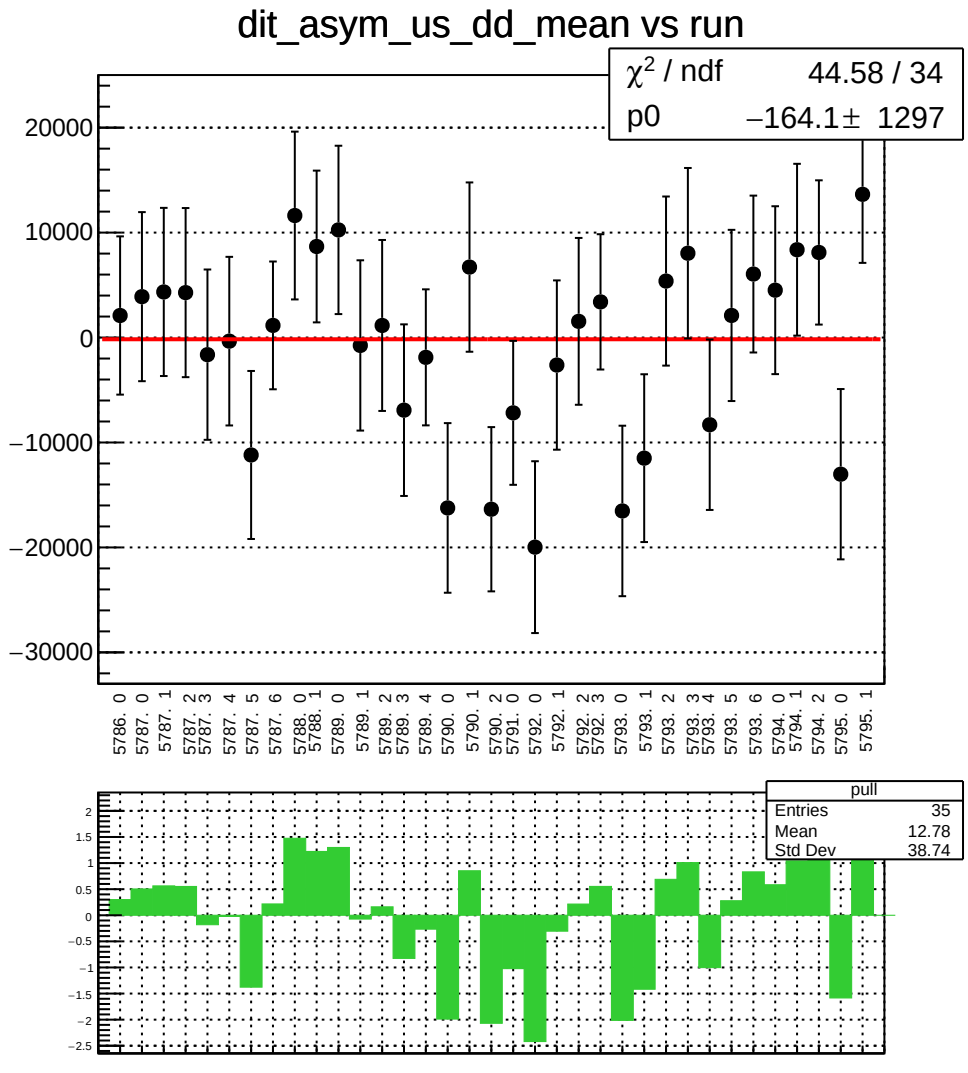

dit_asym_us_avg_mean vs run
χ² / ndf 40.85 / 34
p0 2532 ± 1428
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 287.6
Std Dev 271.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.01025
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

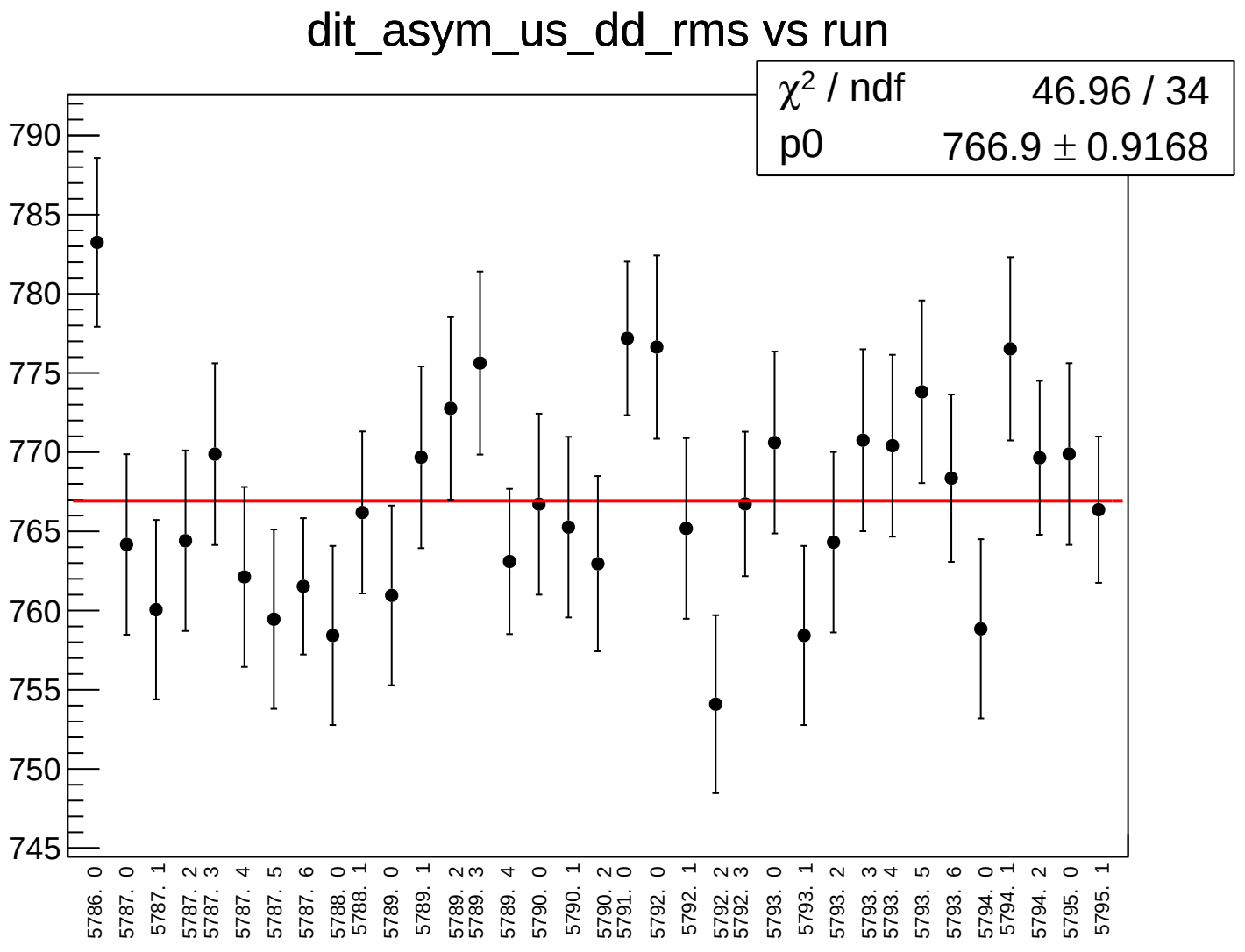

dit_asym_us_avg_rms vs run
χ² / ndf 438.4 / 34
p0 844.4 ± 1.01
920
900
880
860
840
820
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

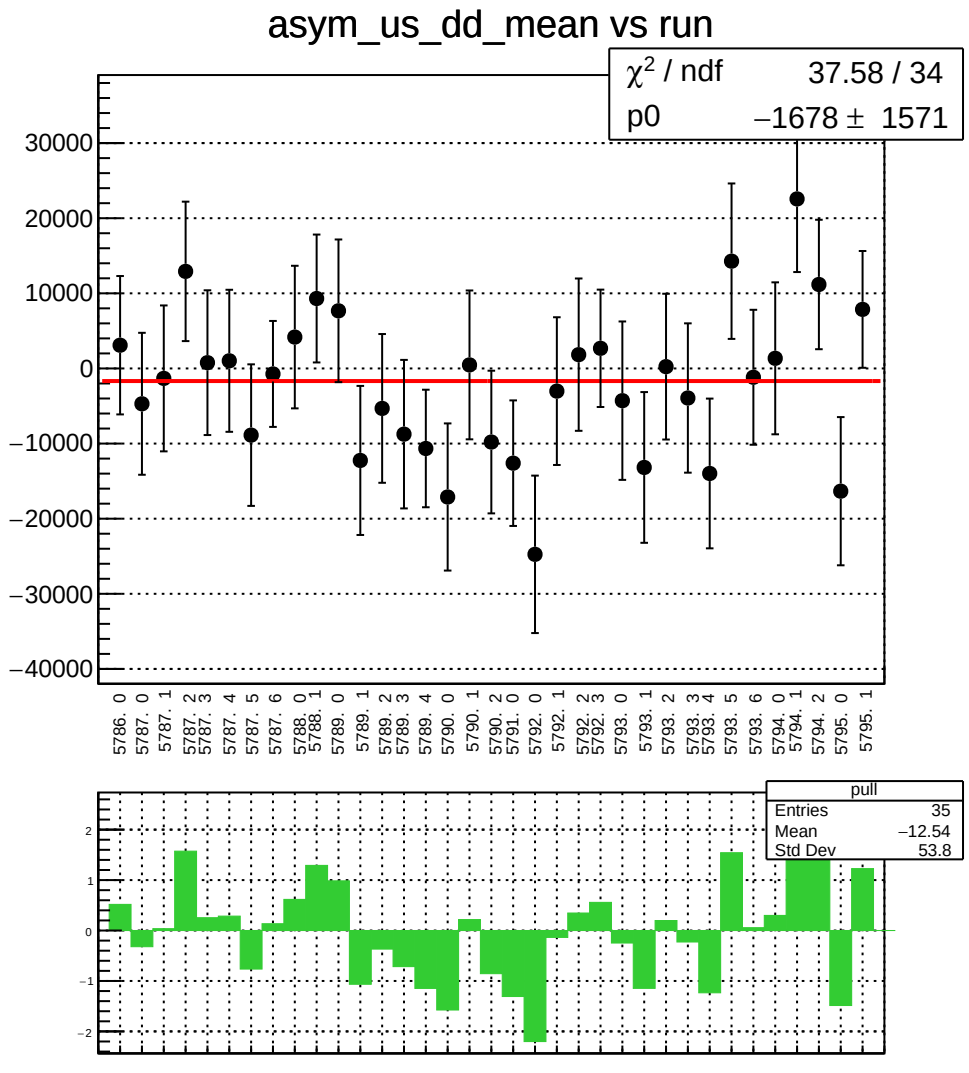

asym_us_avg_mean vs run
χ² / ndf 34.51 / 34
p0 8371 ± 3035
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −156.3
Std Dev 170.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

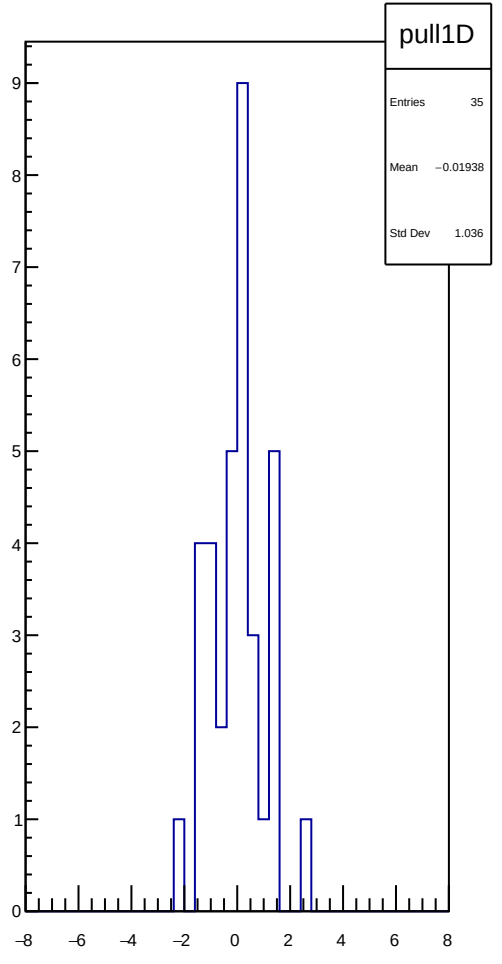

pull1D
Entries 35
Mean −0.01084
Std Dev 0.9929
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

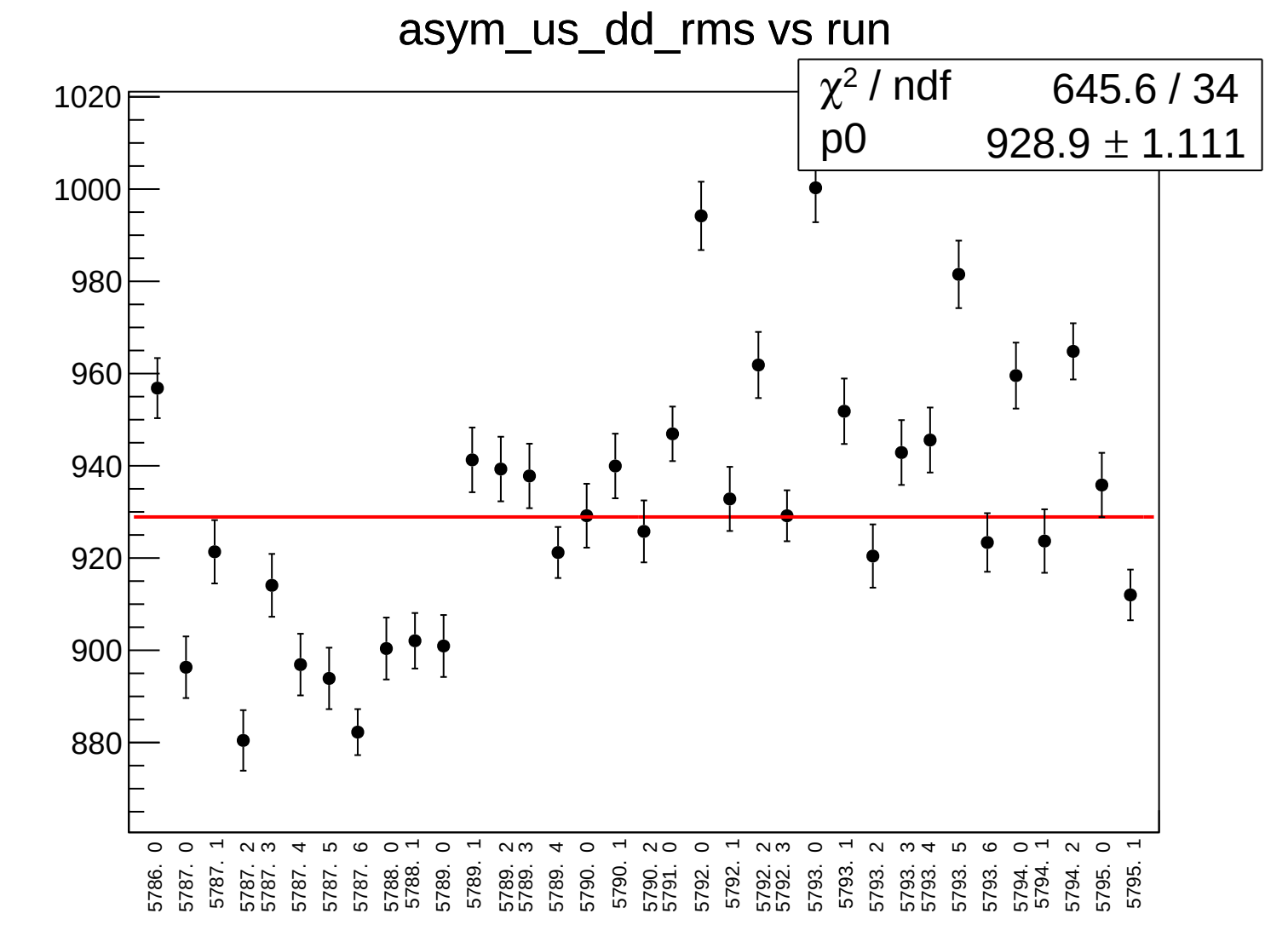

asym_us_avg_rms vs run
χ² / ndf 1464 / 34
p0 1793 ± 2.146
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

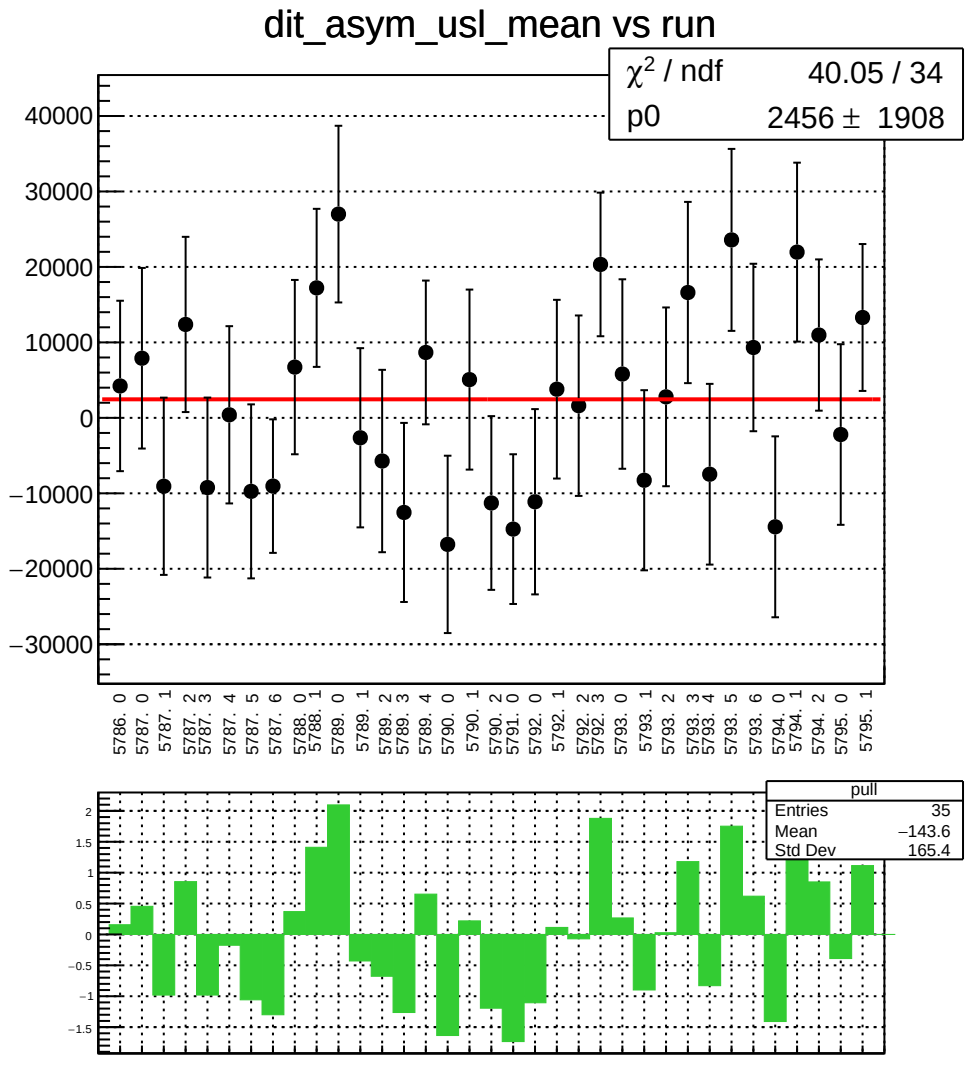

dit_asym_us_dd_mean vs run
χ² / ndf 44.58 / 34
p0 −164.1± 1297
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 12.78
Std Dev 38.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean −0.02575
Std Dev 1.128
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

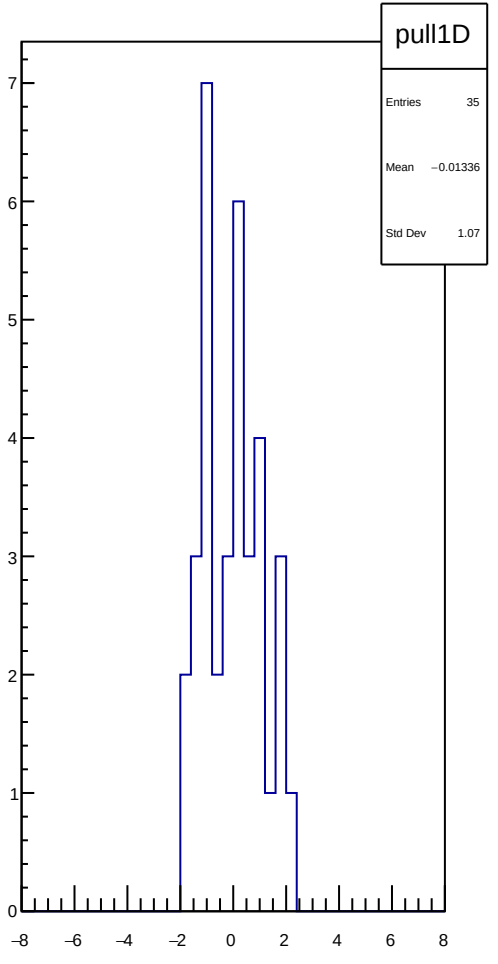

dit_asym_us_dd_rms vs run
χ² / ndf 46.96 / 34
p0 766.9 ± 0.9168
790
785
780
775
770
765
760
755
750
745
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

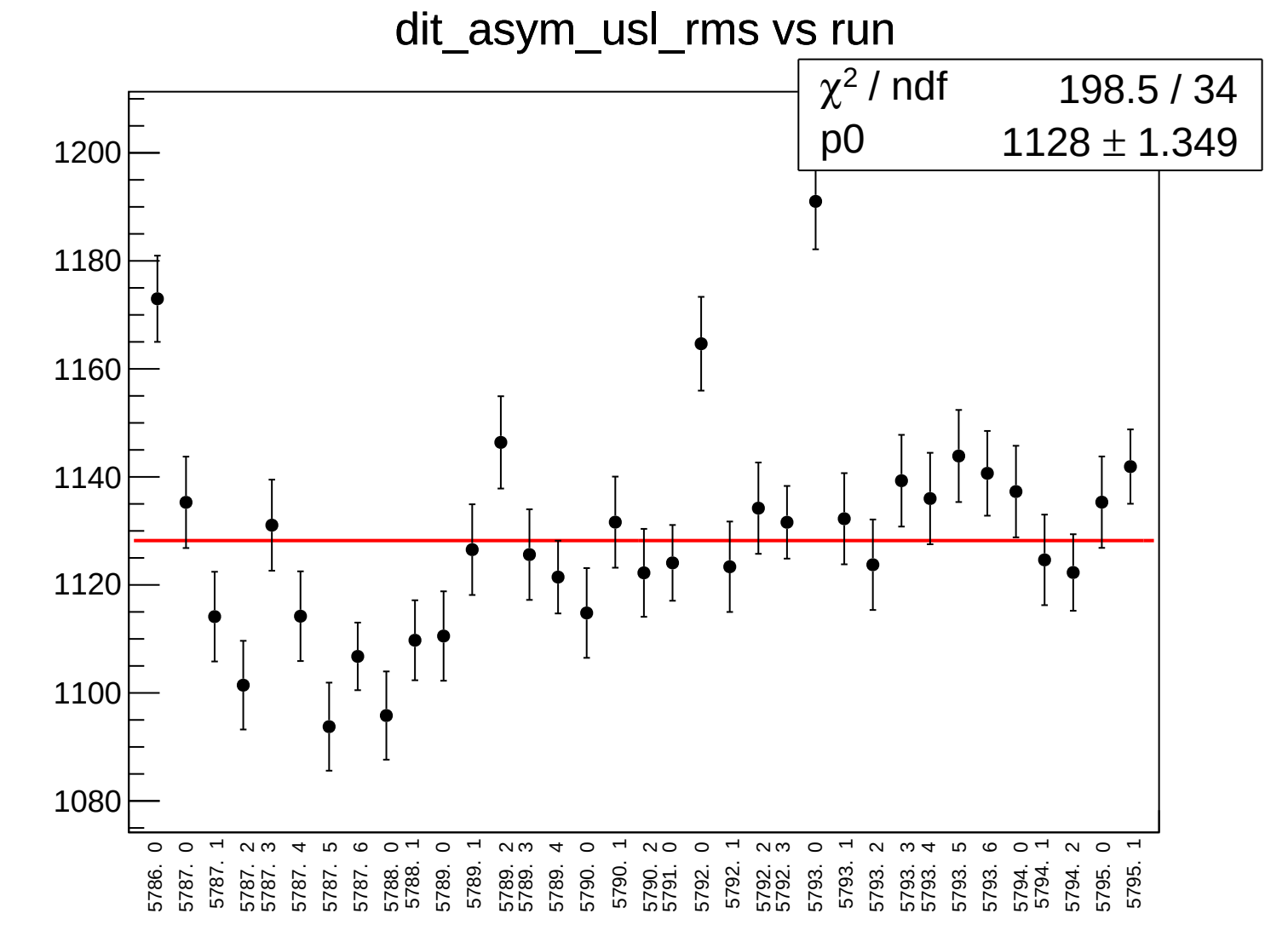

asym_us_dd_mean vs run
χ² / ndf 37.58 / 34
p0 −1678 ± 1571
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −12.54
Std Dev 53.8
2
1
0
−1
−2

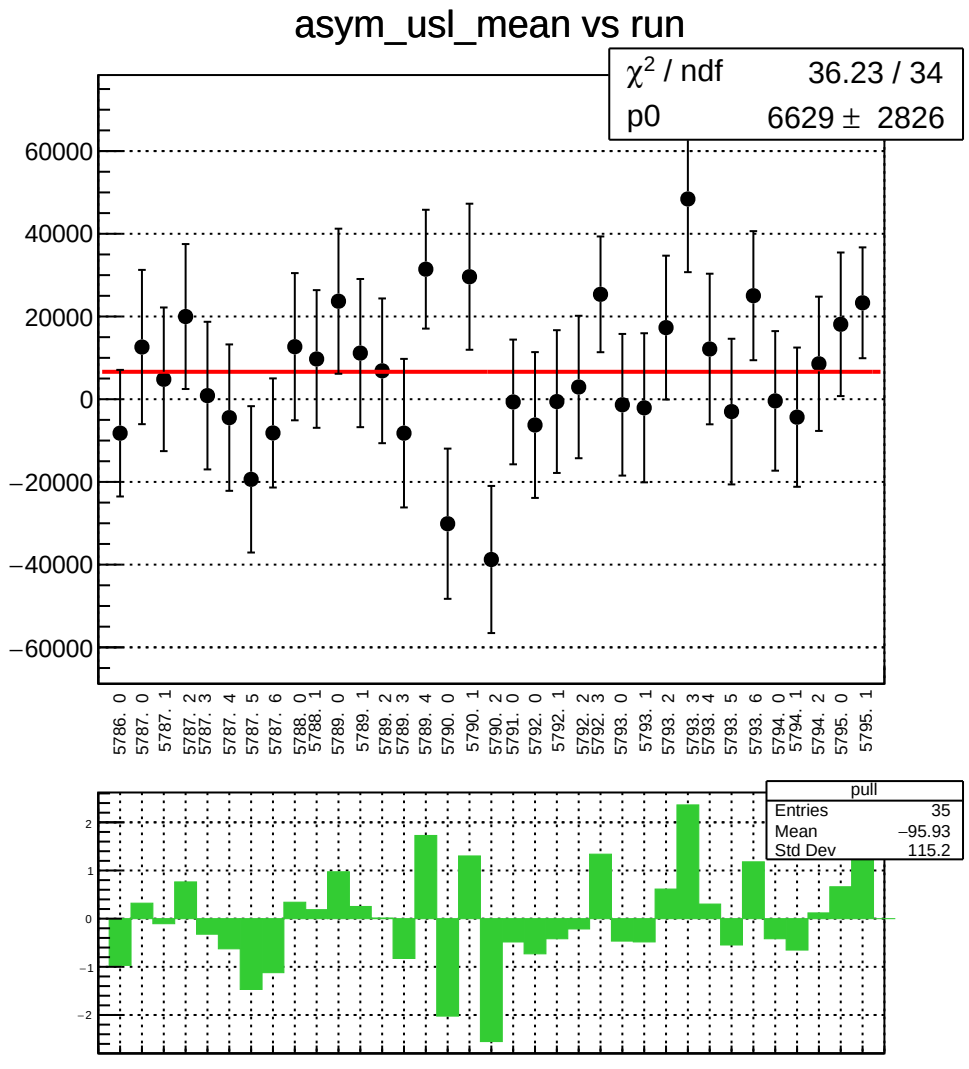

pull1D
Entries 35
Mean −0.01938
Std Dev 1.036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

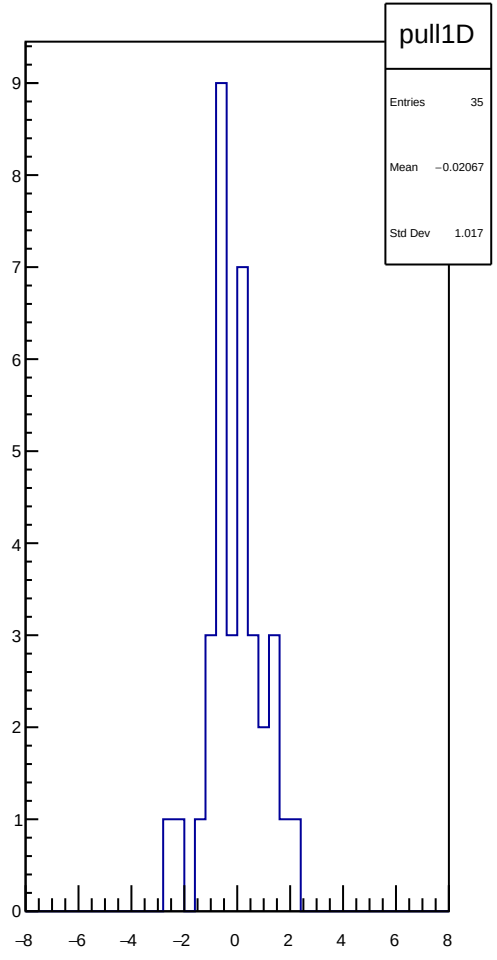

asym_us_dd_rms vs run
χ² / ndf 645.6 / 34
p0 928.9 ± 1.111
1020
1000
980
960
940
920
900
880
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

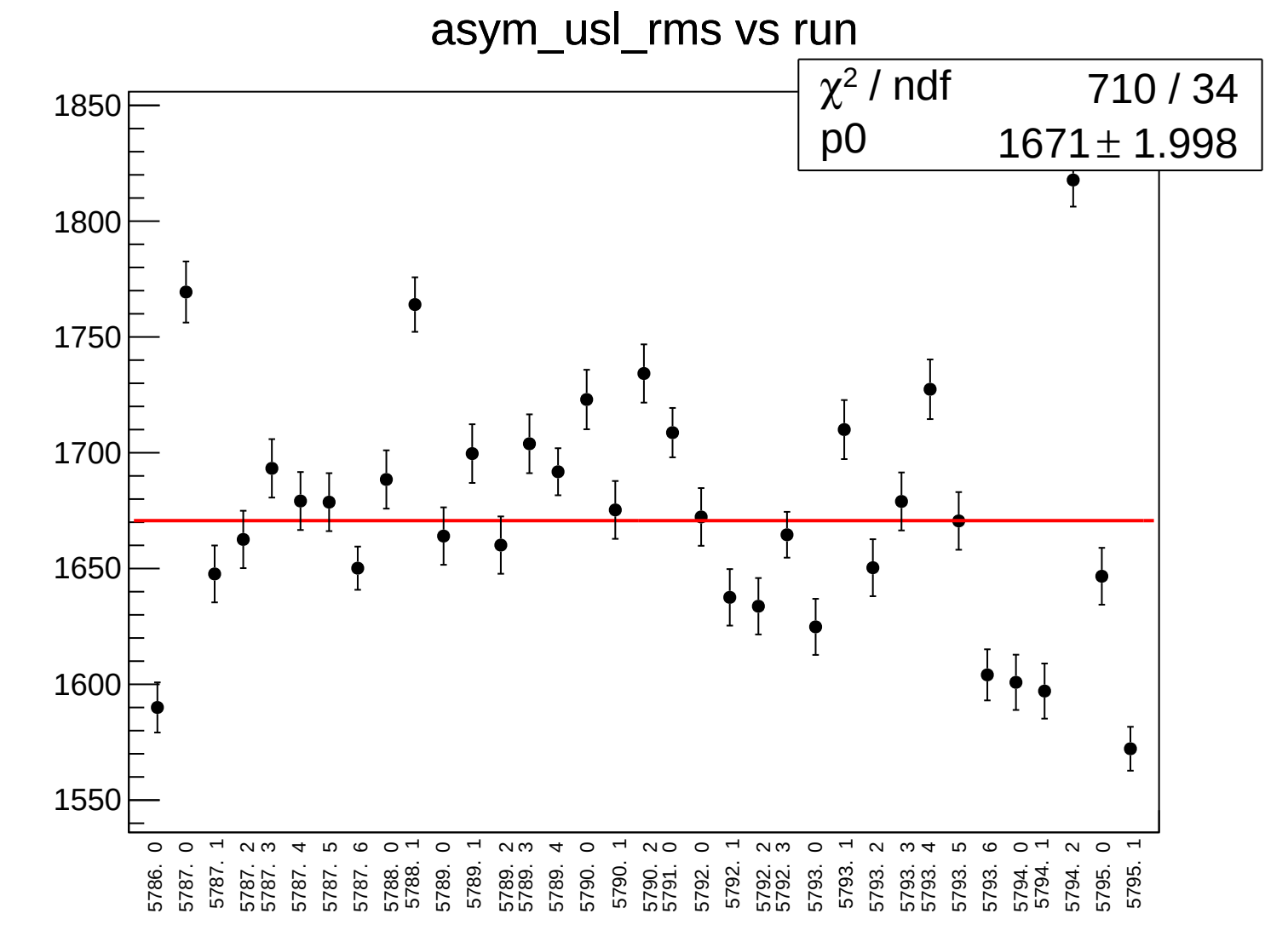

dit_asym_usl_mean vs run
χ² / ndf 40.05 / 34
p0 2456 ± 1908
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −143.6
Std Dev 165.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

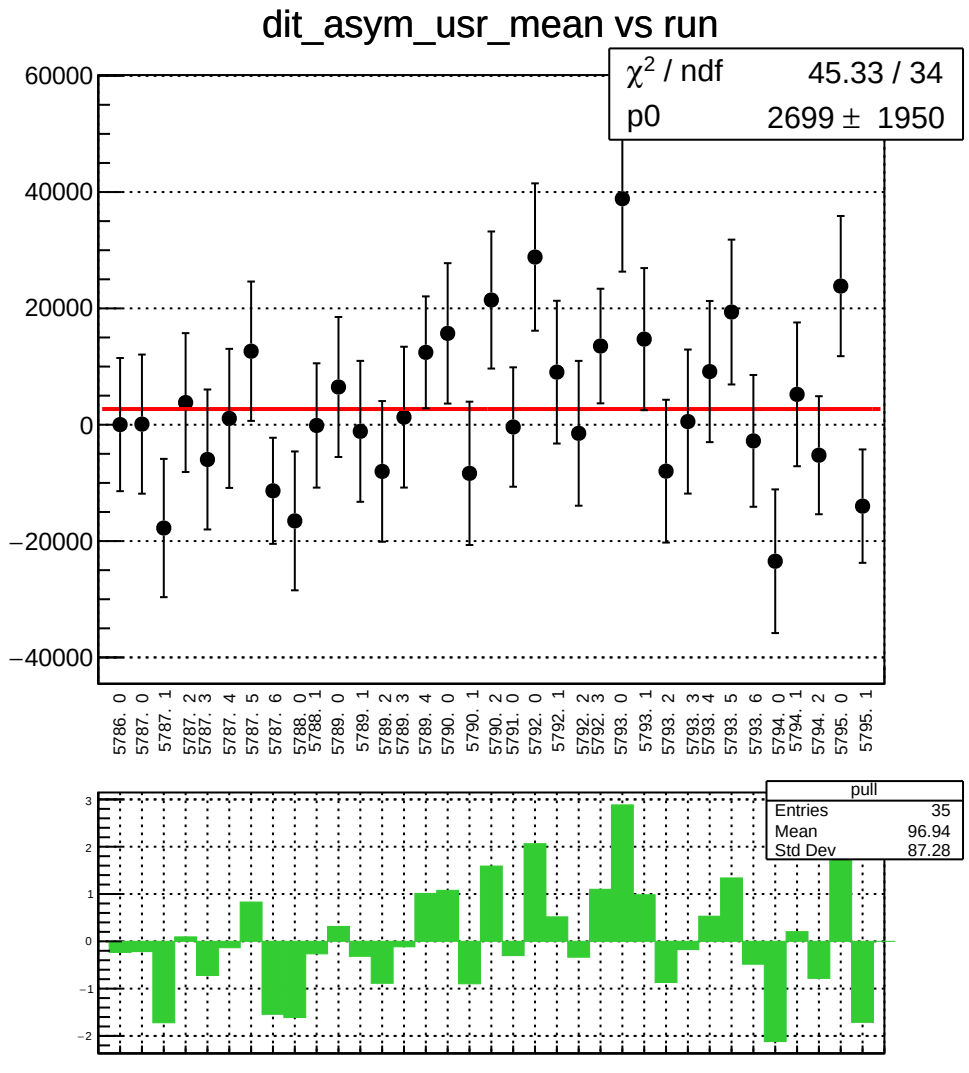

pull1D
Entries 35
Mean −0.01336
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

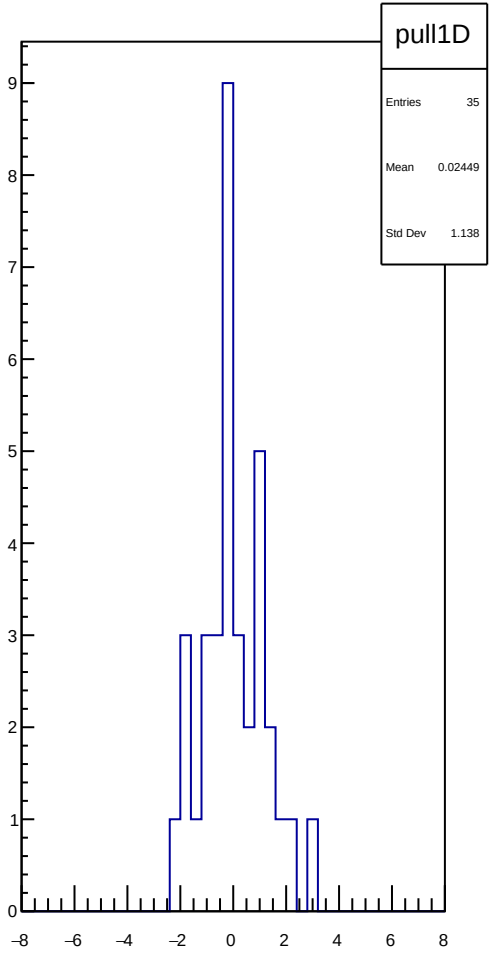

dit_asym_usl_rms vs run
χ² / ndf 198.5 / 34
p0 1128 ± 1.349
1200
1180
1160
1140
1120
1100
1080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

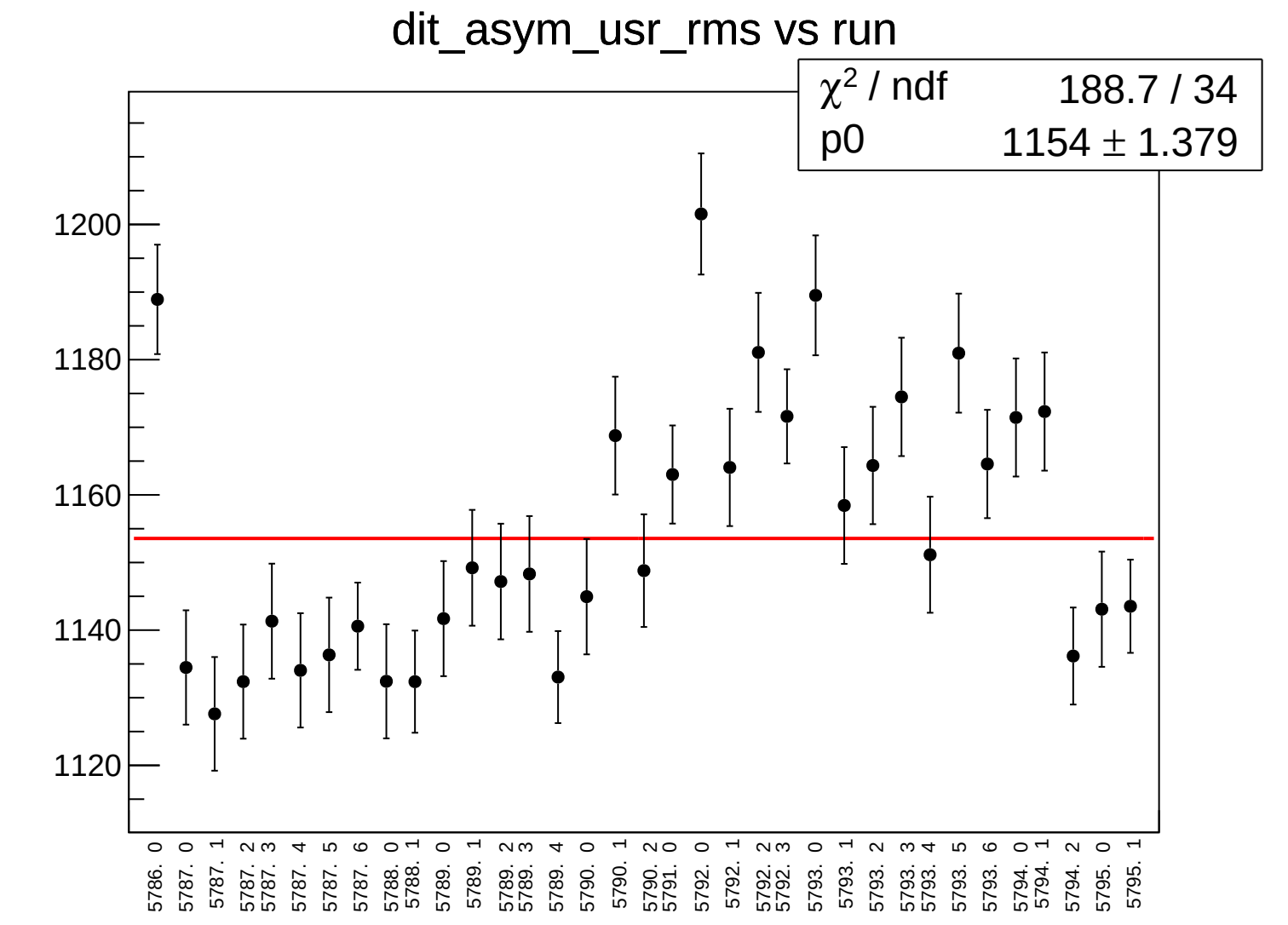

asym_usl_mean vs run
χ² / ndf 36.23 / 34
p0 6629 ± 2826
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −95.93
Std Dev 115.2
2
1
0
−1
−2

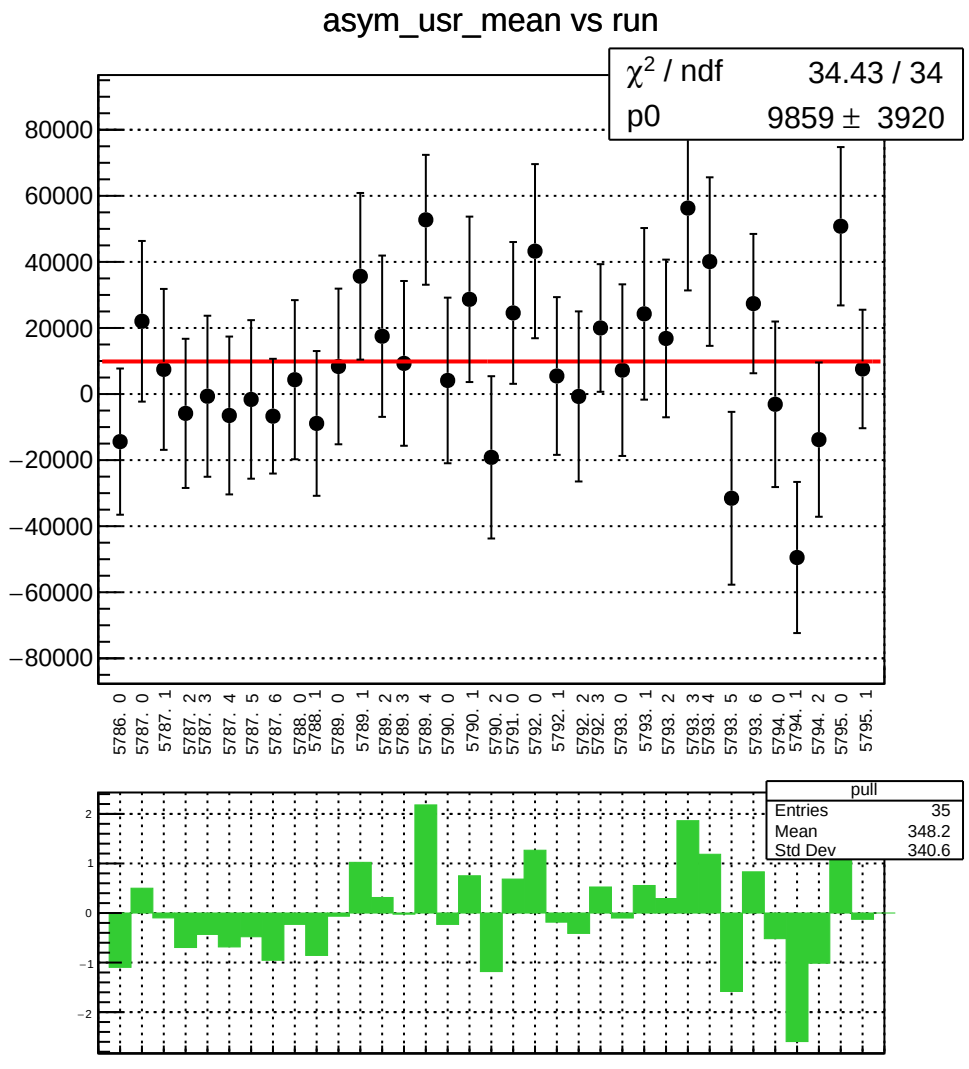

pull1D
Entries 35
Mean −0.02067
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

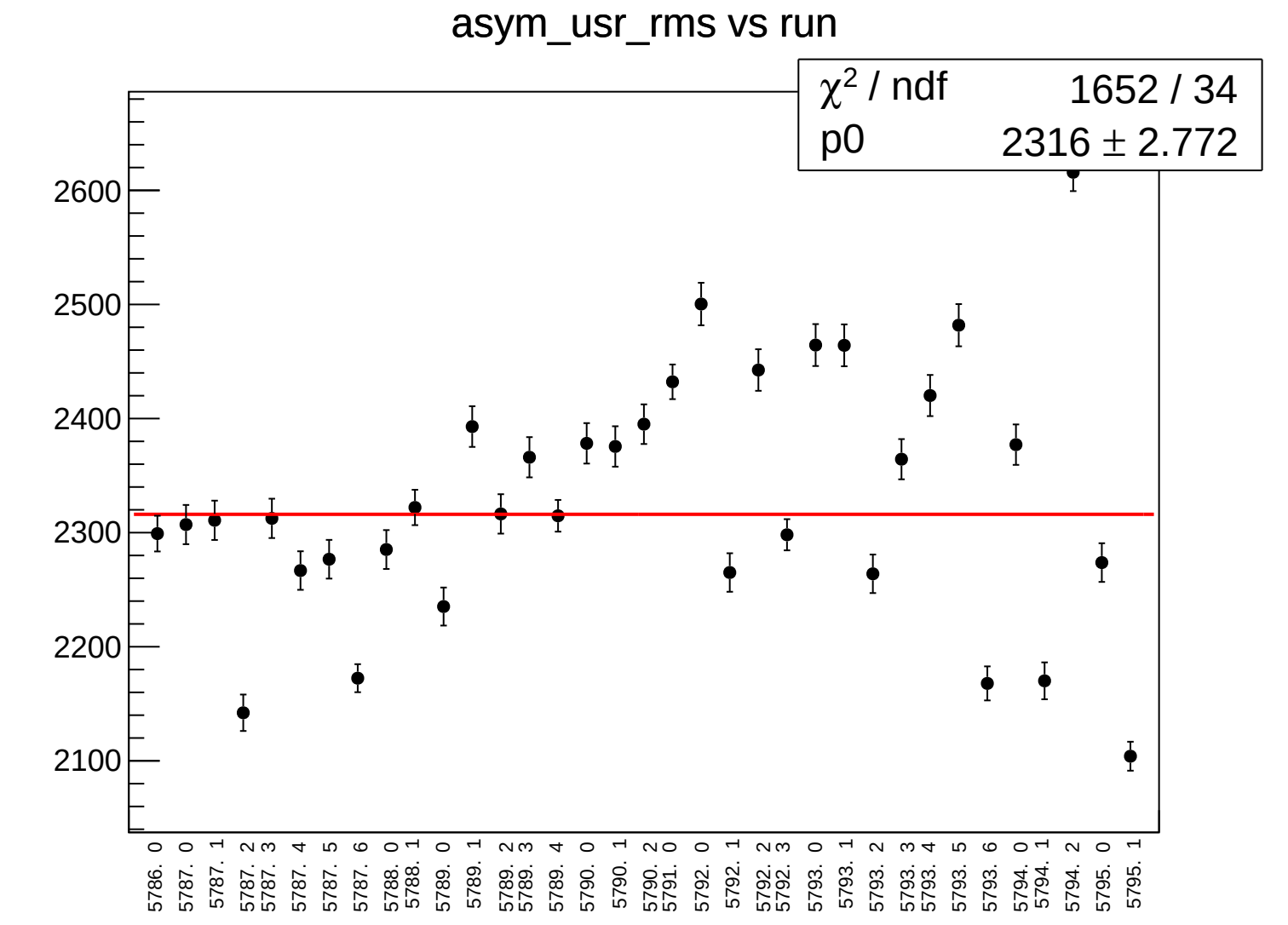

asym_usl_rms vs run
χ² / ndf 710 / 34
p0 1671 ± 1.998
1850
1800
1750
1700
1650
1600
1550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

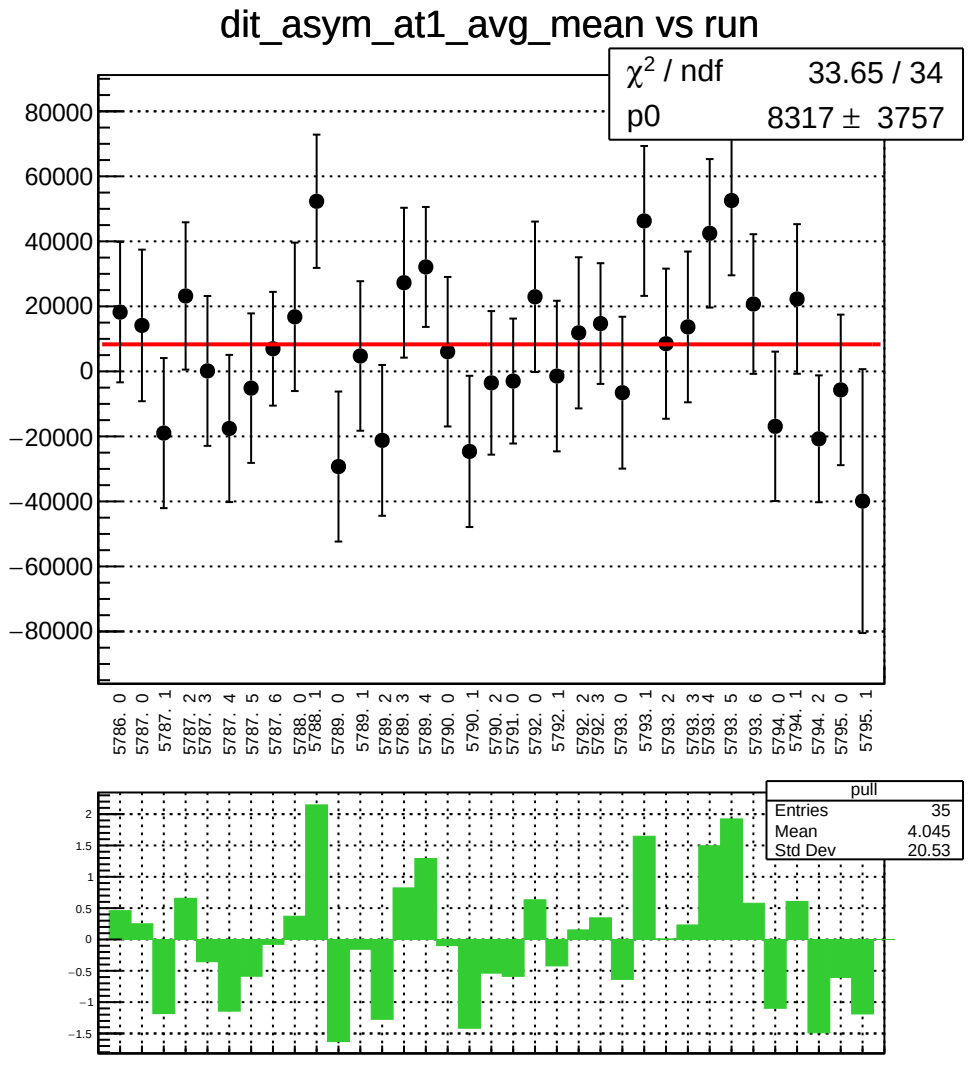

dit_asym_usr_mean vs run
χ² / ndf 45.33 / 34
p0 2699 ± 1950
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 96.94
Std Dev 87.28
3
2
1
0
−1
−2

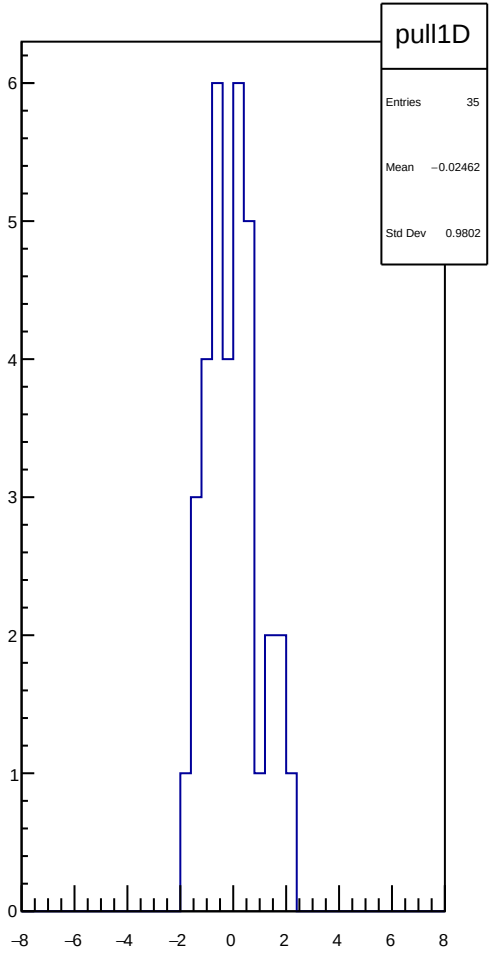

pull1D
Entries 35
Mean 0.02449
Std Dev 1.138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

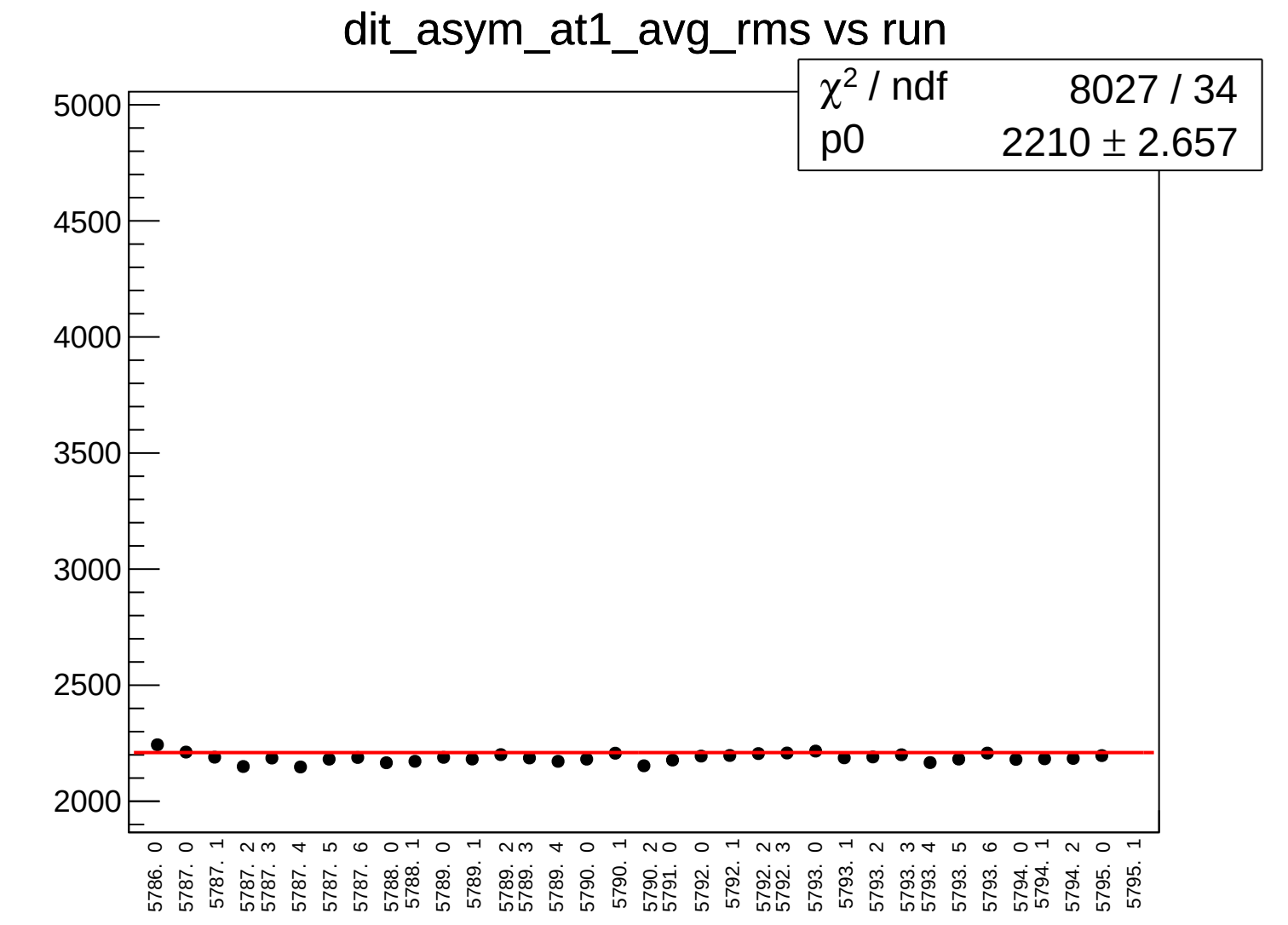

dit_asym_usr_rms vs run
χ² / ndf 188.7 / 34
p0 1154 ± 1.379
1200
1180
1160
1140
1120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

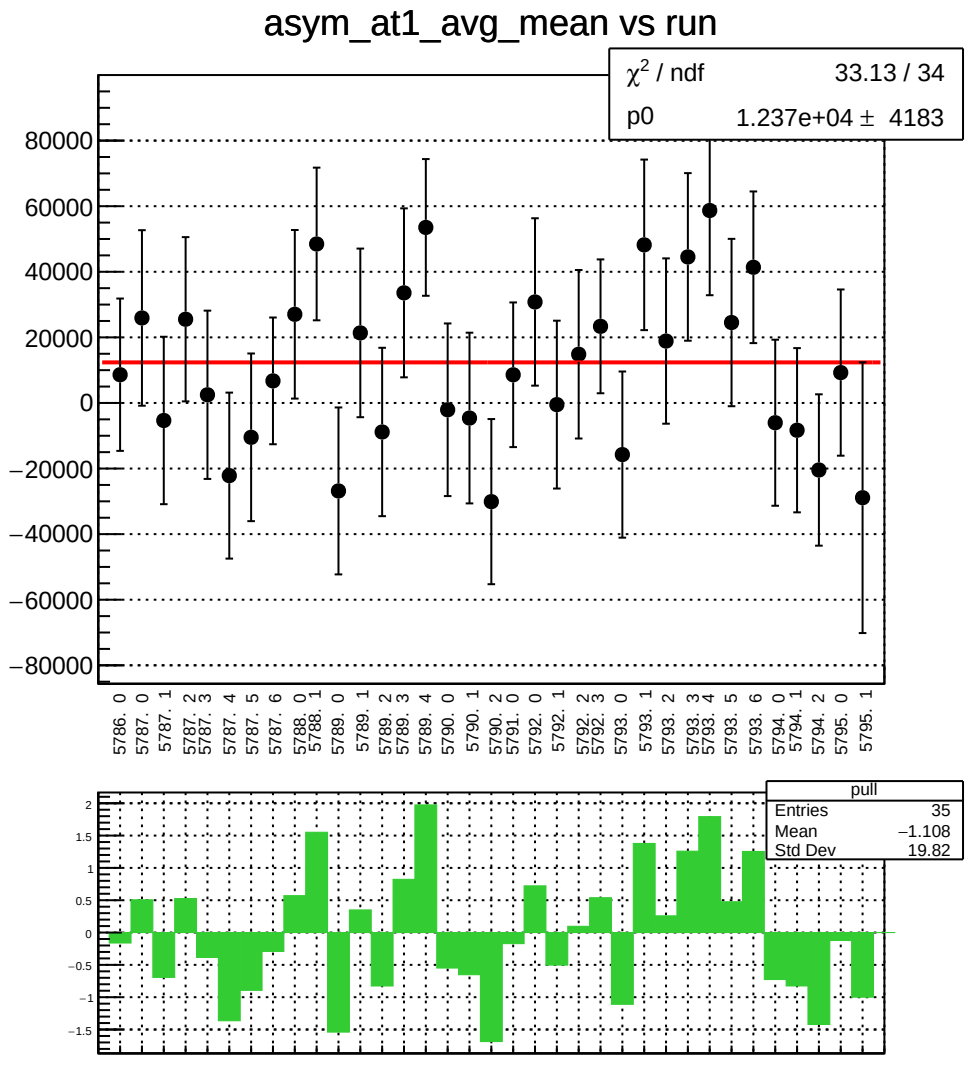

asym_usr_mean vs run
χ² / ndf 34.43 / 34
p0 9859 ± 3920
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 348.2
Std Dev 340.6
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.003696
Std Dev 0.9918
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

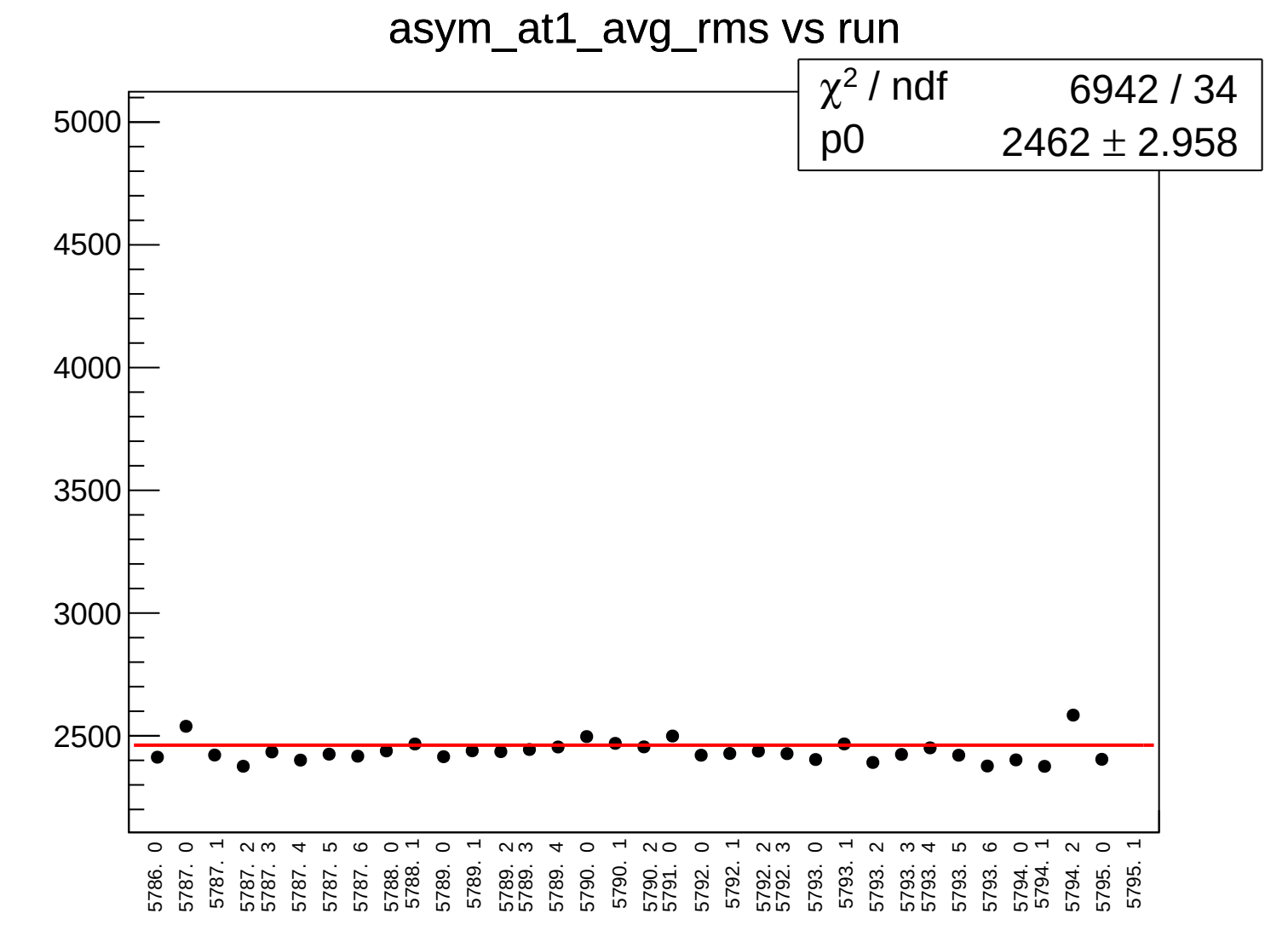

asym_usr_rms vs run
χ² / ndf 1652 / 34
p0 2316 ± 2.772
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

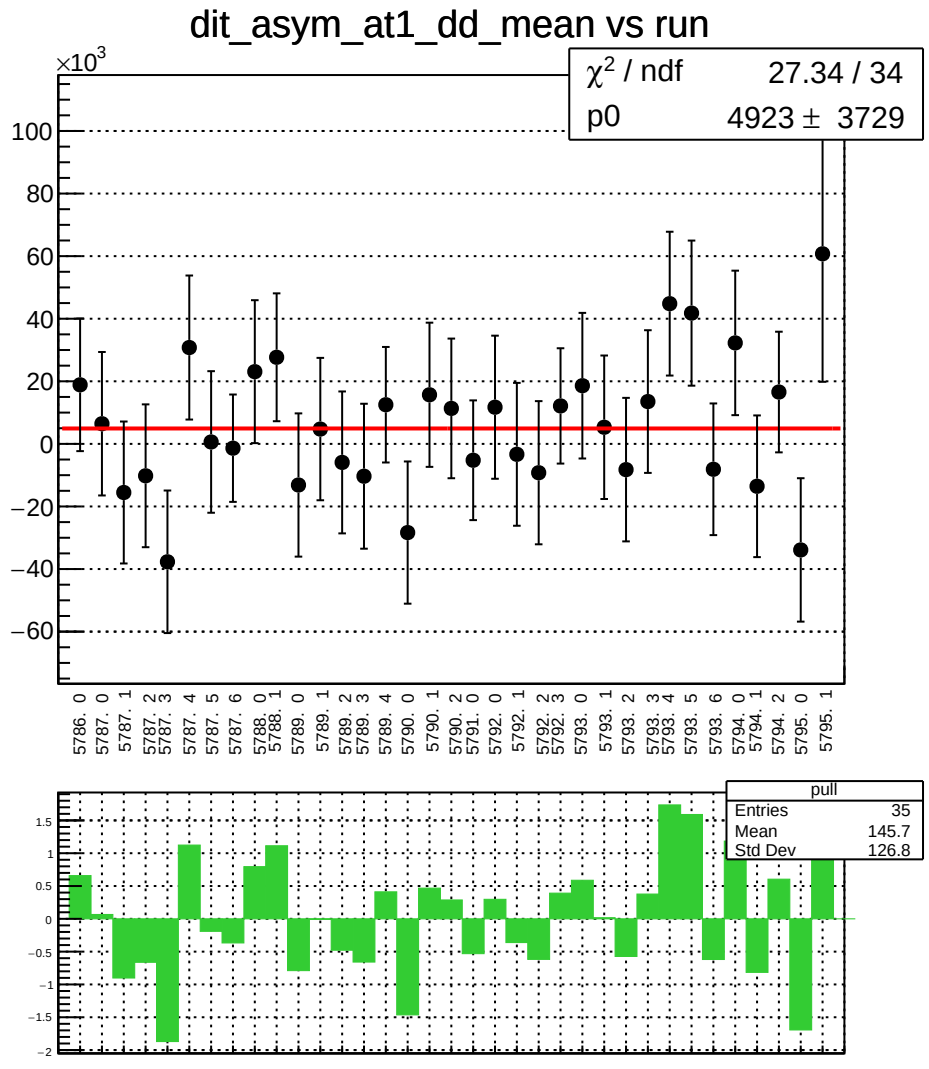

dit_asym_at1_avg_mean vs run
χ² / ndf 33.65 / 34
p0 8317 ± 3757
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 4.045
Std Dev 20.53
2
1.5
1
0.5
0
−0.5
−1
−1.5

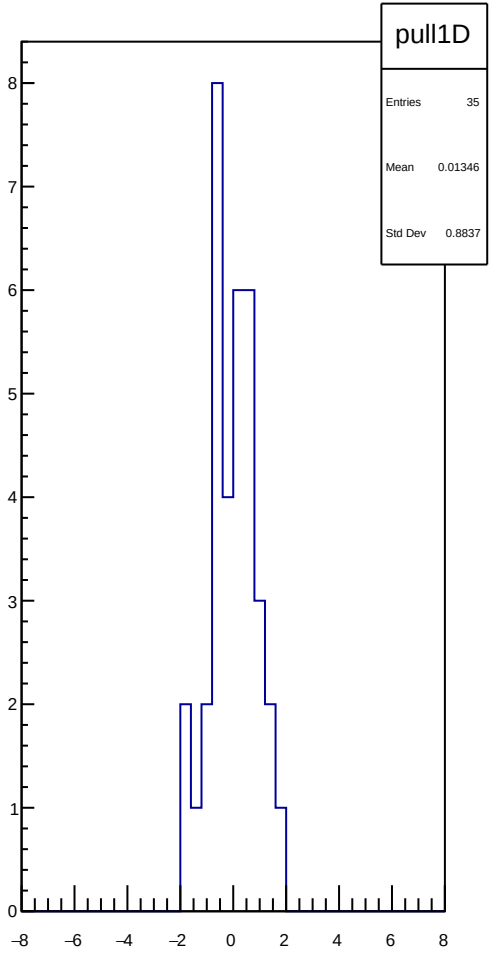

pull1D
Entries 35
Mean −0.02462
Std Dev 0.9802
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

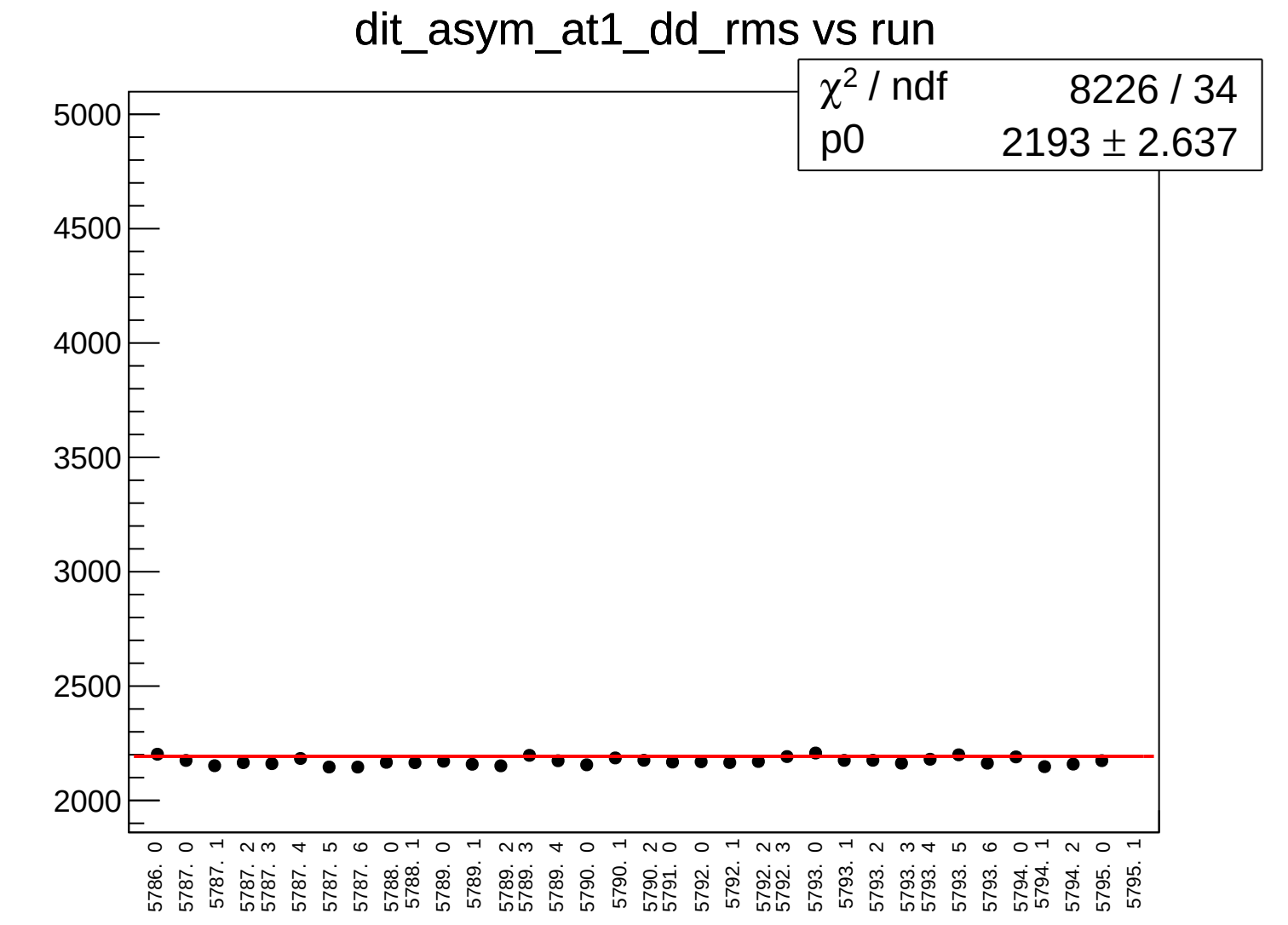

dit_asym_at1_avg_rms vs run
χ² / ndf 8027 / 34
p0 2210 ± 2.657
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

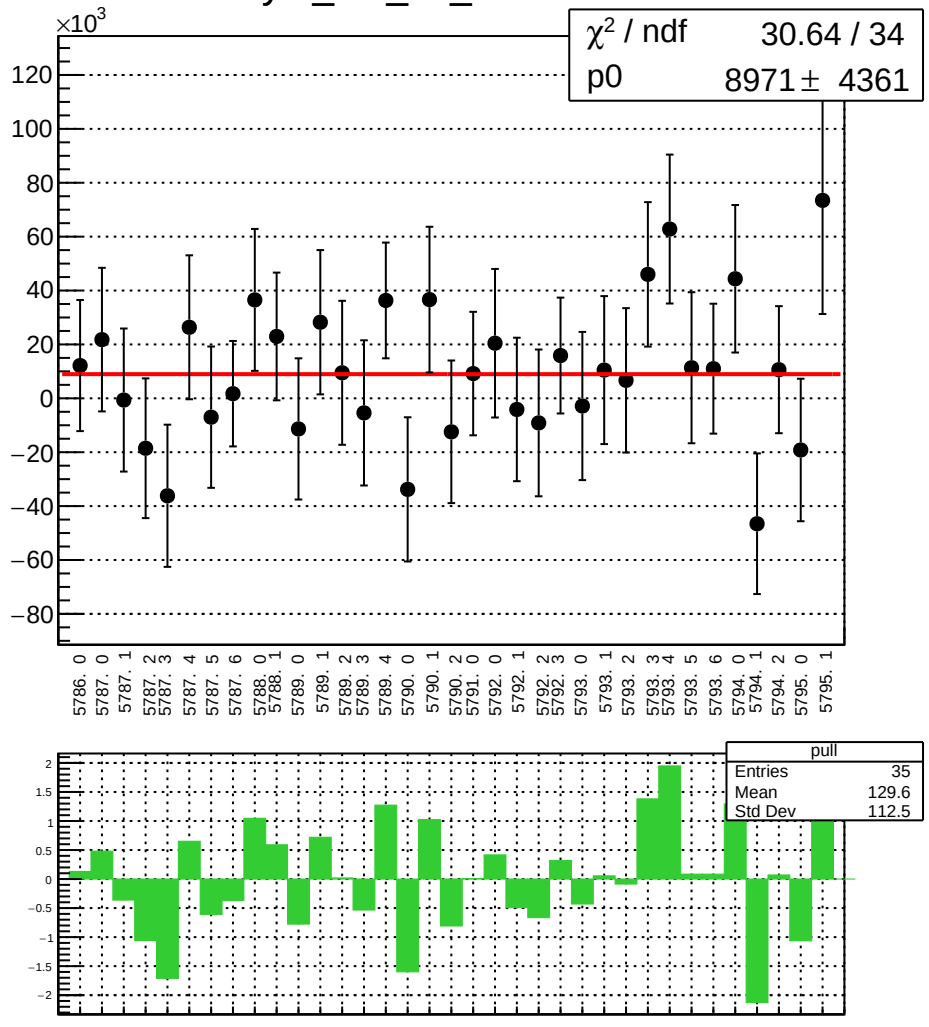

asym_at1_avg_mean vs run
χ² / ndf 33.13 / 34
p0 1.237e+04 ± 4183
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1.108
Std Dev 19.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.02424
Std Dev 0.9726
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

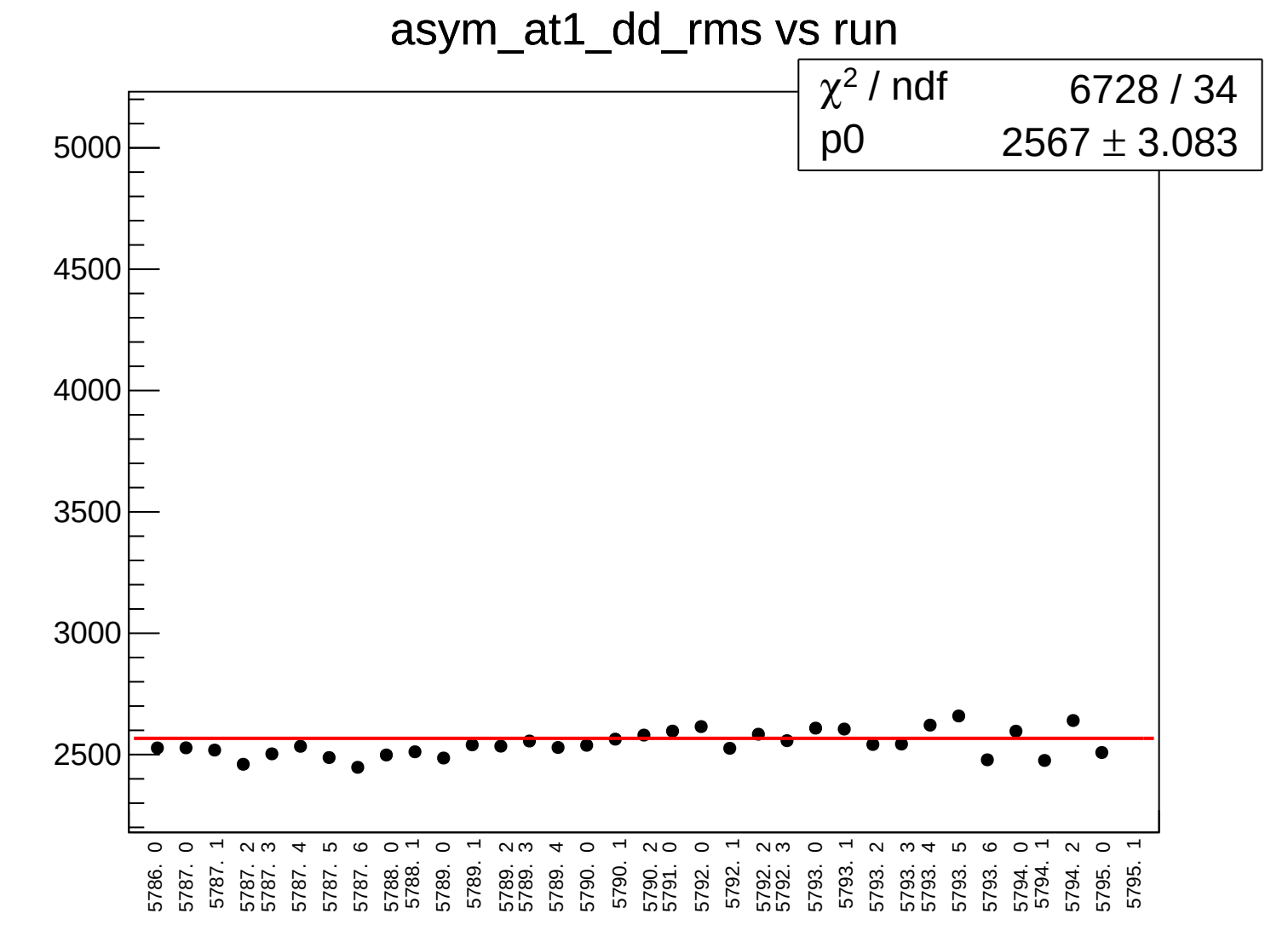

asym_at1_avg_rms vs run
χ^2 / ndf 6942 / 34
p0 2462 ± 2.958
5000
4500
4000
3500
3000
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

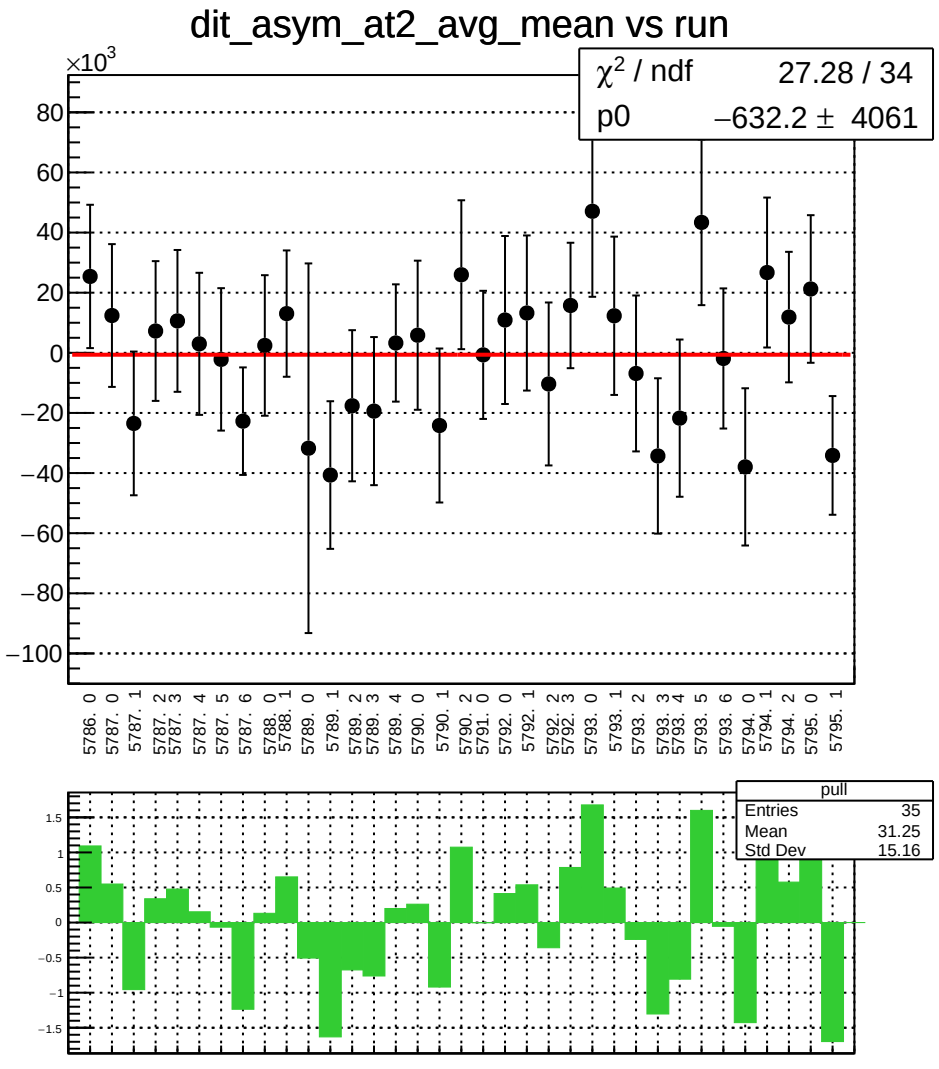

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 27.34 / 34
p0 4923 ± 3729
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 145.7
Std Dev 126.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

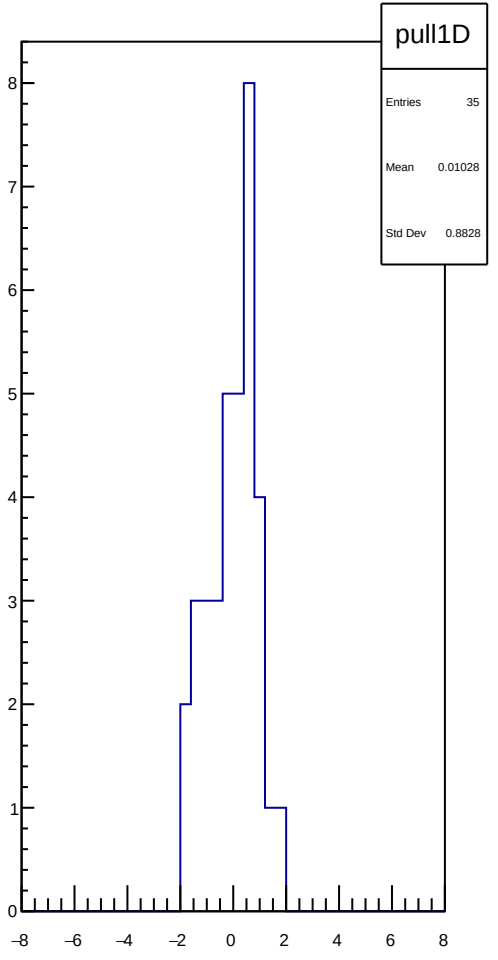

pull1D
Entries 35
Mean 0.01346
Std Dev 0.8837
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

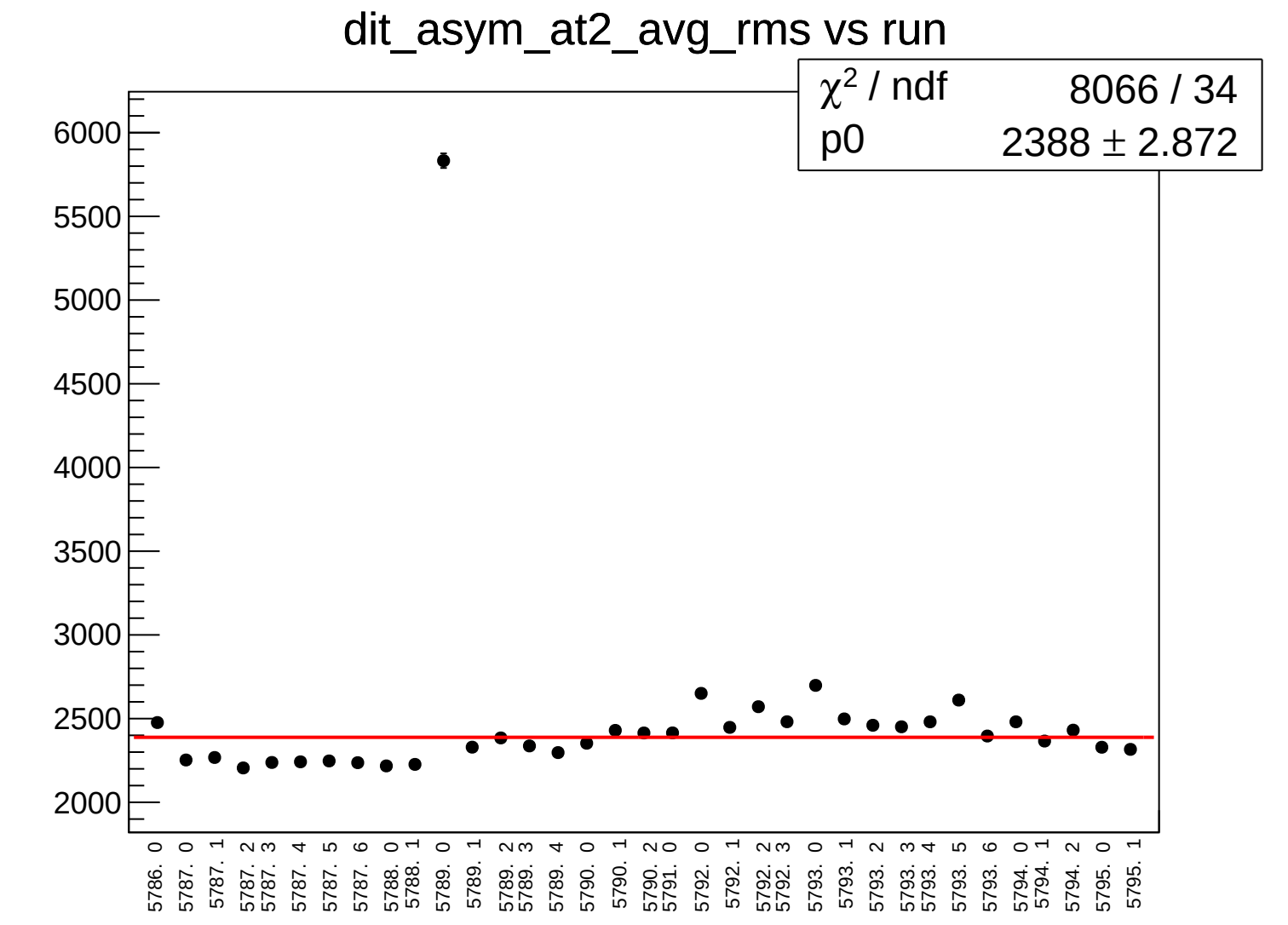

dit_asym_at1_dd_rms vs run
χ² / ndf 8226 / 34
p0 2193 ± 2.637
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

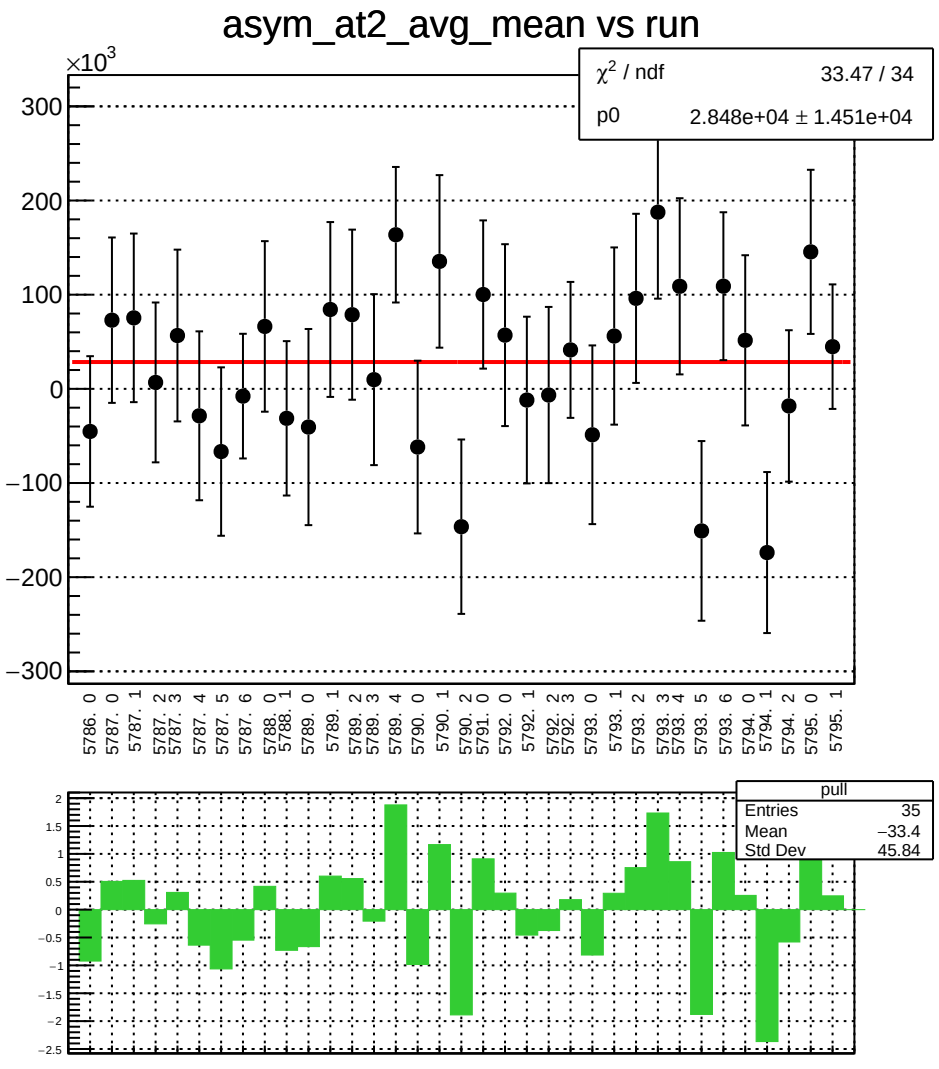

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 30.64 / 34
p0 8971 ± 4361
120
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 129.6
Std Dev 112.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.01246
Std Dev 0.9355
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

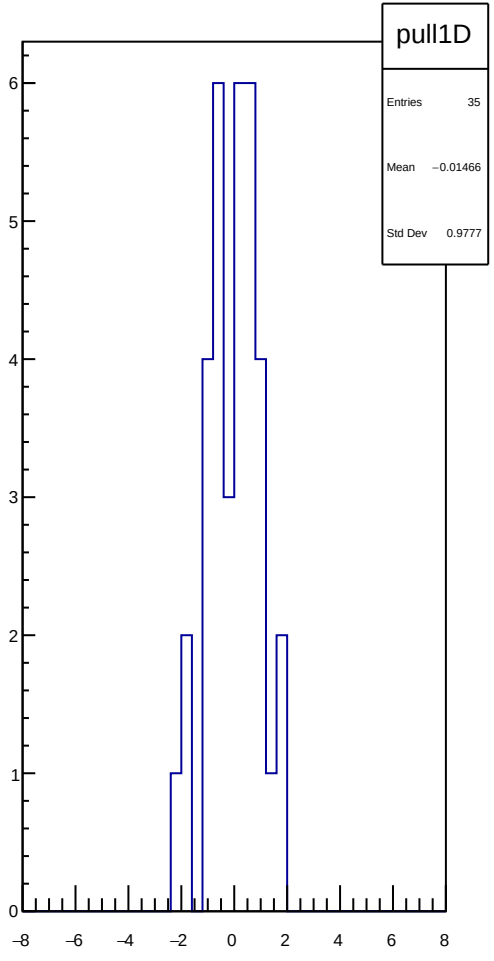

asym_at1_dd_rms vs run
χ² / ndf 6728 / 34
p0 2567 ± 3.083
5000
4500
4000
3500
3000
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

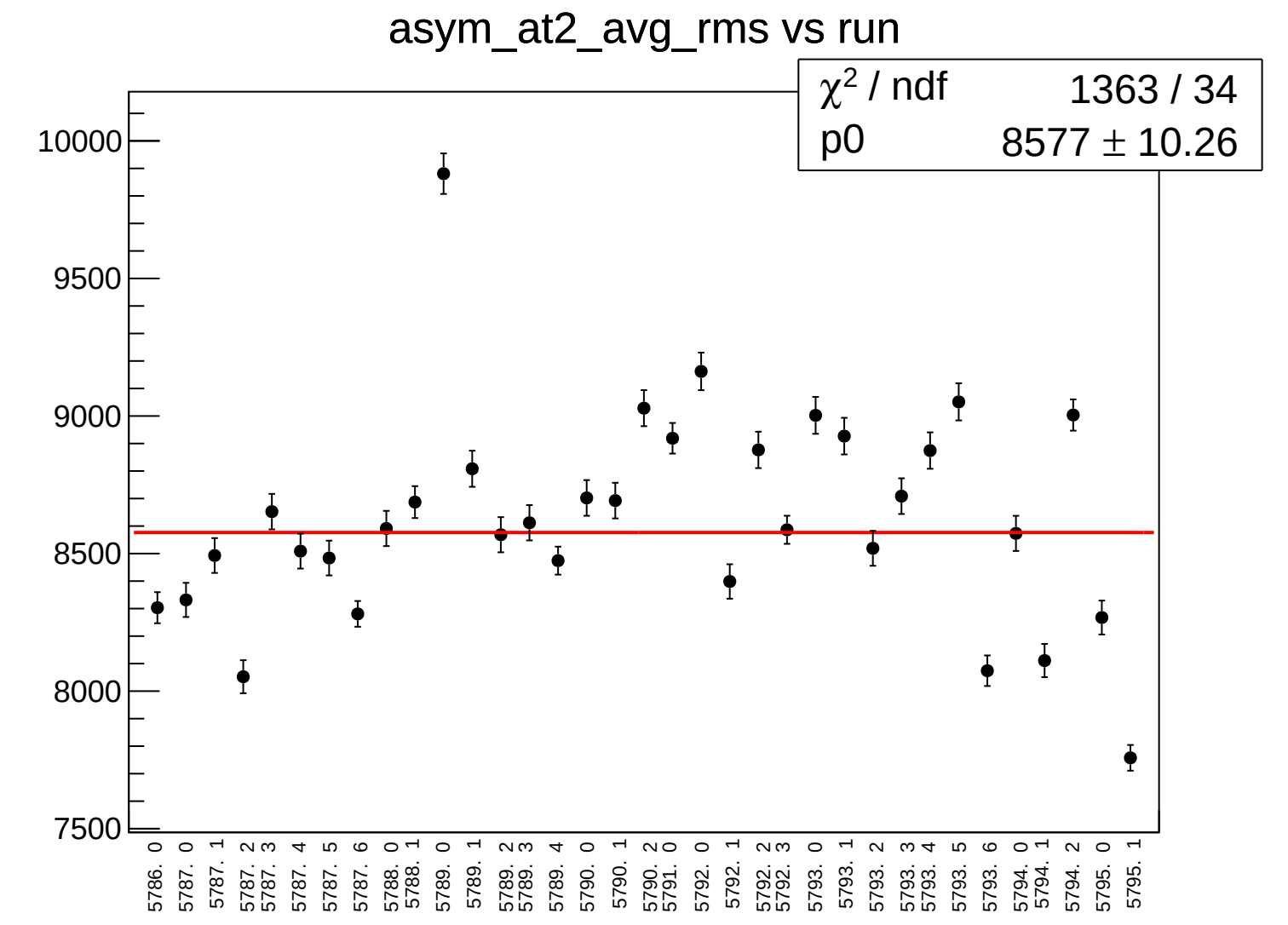

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 27.28 / 34
p0 −632.2 ± 4061
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 31.25
Std Dev 15.16
1.5
1
0.5
0
−0.5
−1
−1.5

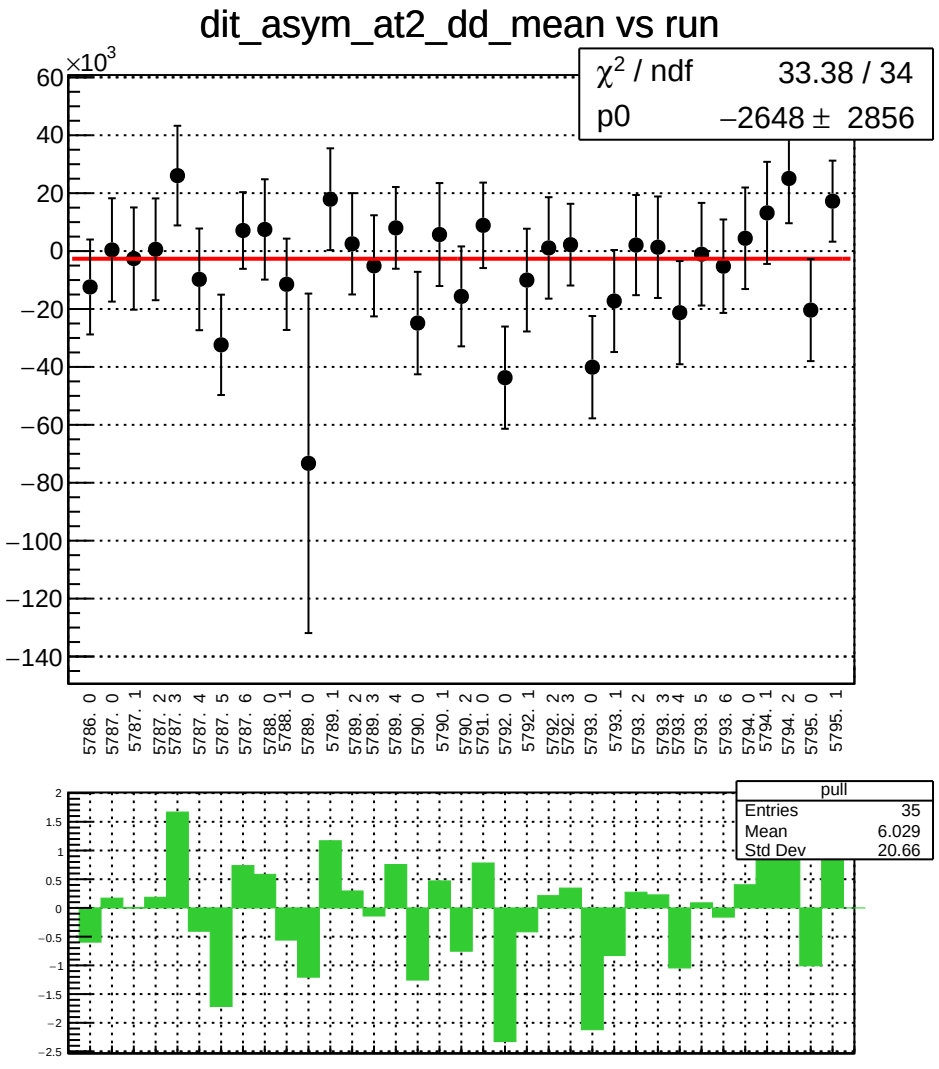

pull1D
Entries 35
Mean 0.01028
Std Dev 0.8828
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

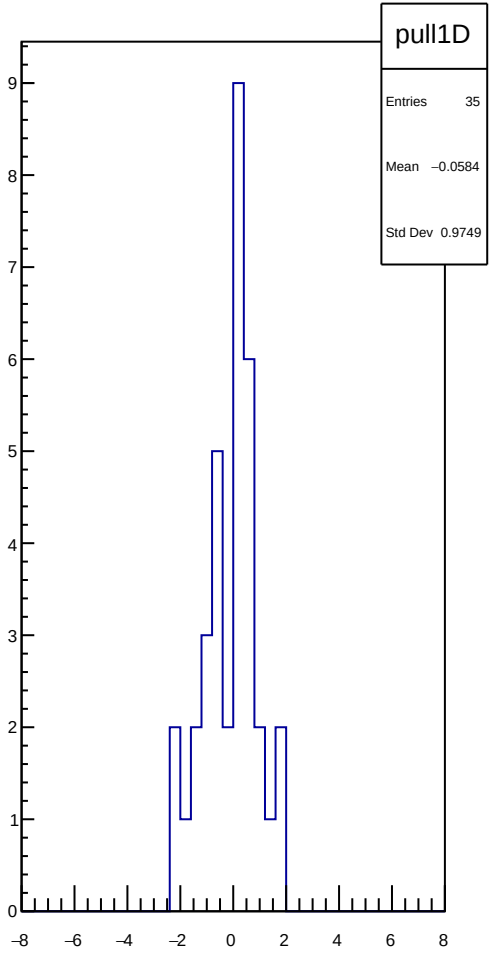

dit_asym_at2_avg_rms vs run
χ² / ndf 8066 / 34
p0 2388 ± 2.872
6000
5500
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

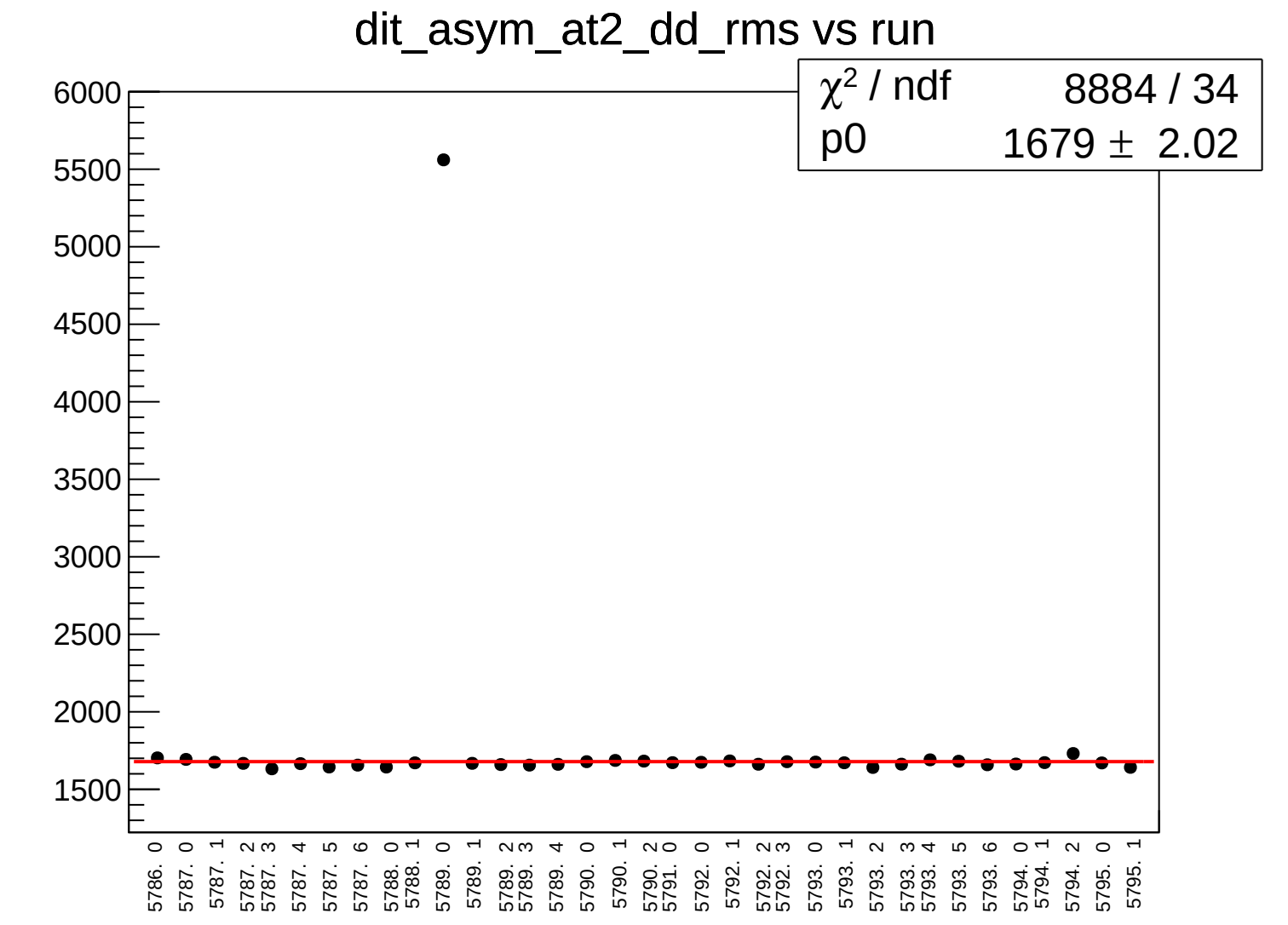

asym_at2_avg_mean vs run
×10^3
χ² / ndf 33.47 / 34
p0 2.848e+04 ± 1.451e+04
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −33.4
Std Dev 45.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

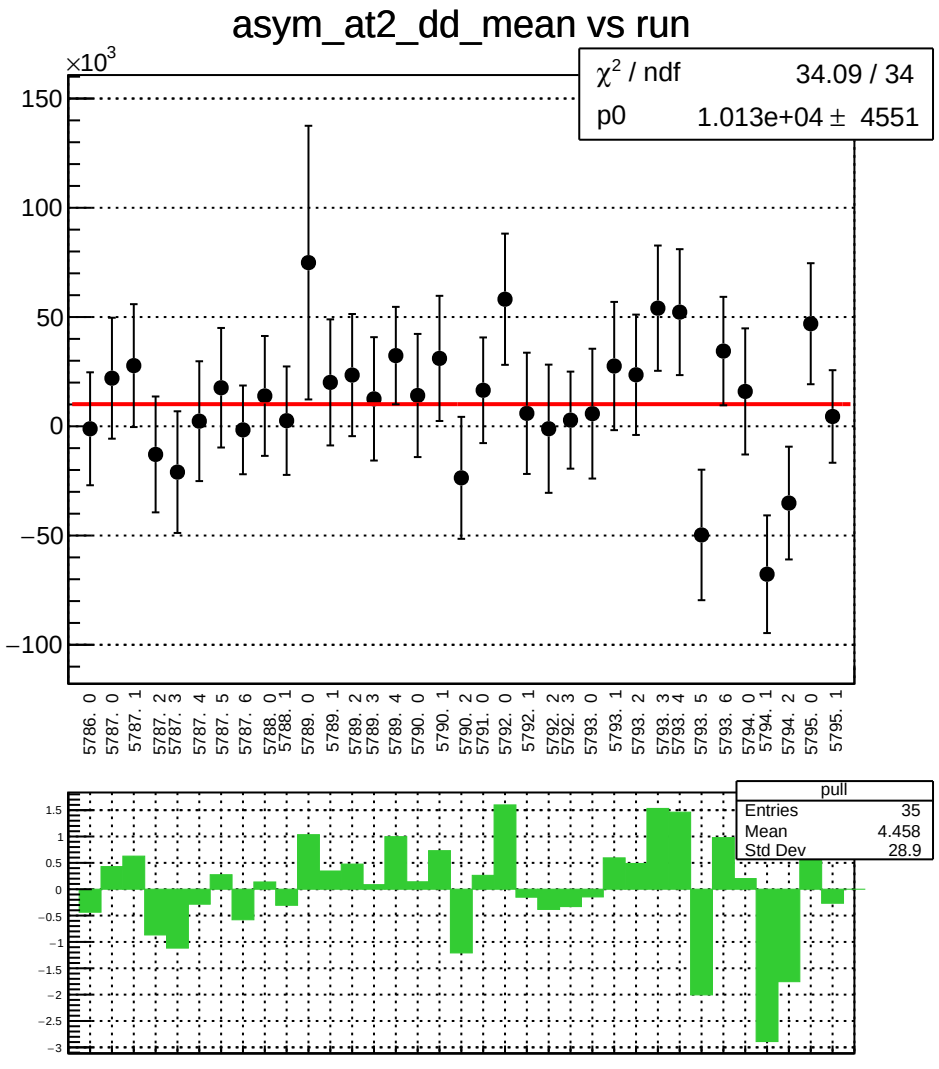

pull1D
Entries 35
Mean −0.01466
Std Dev 0.9777
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

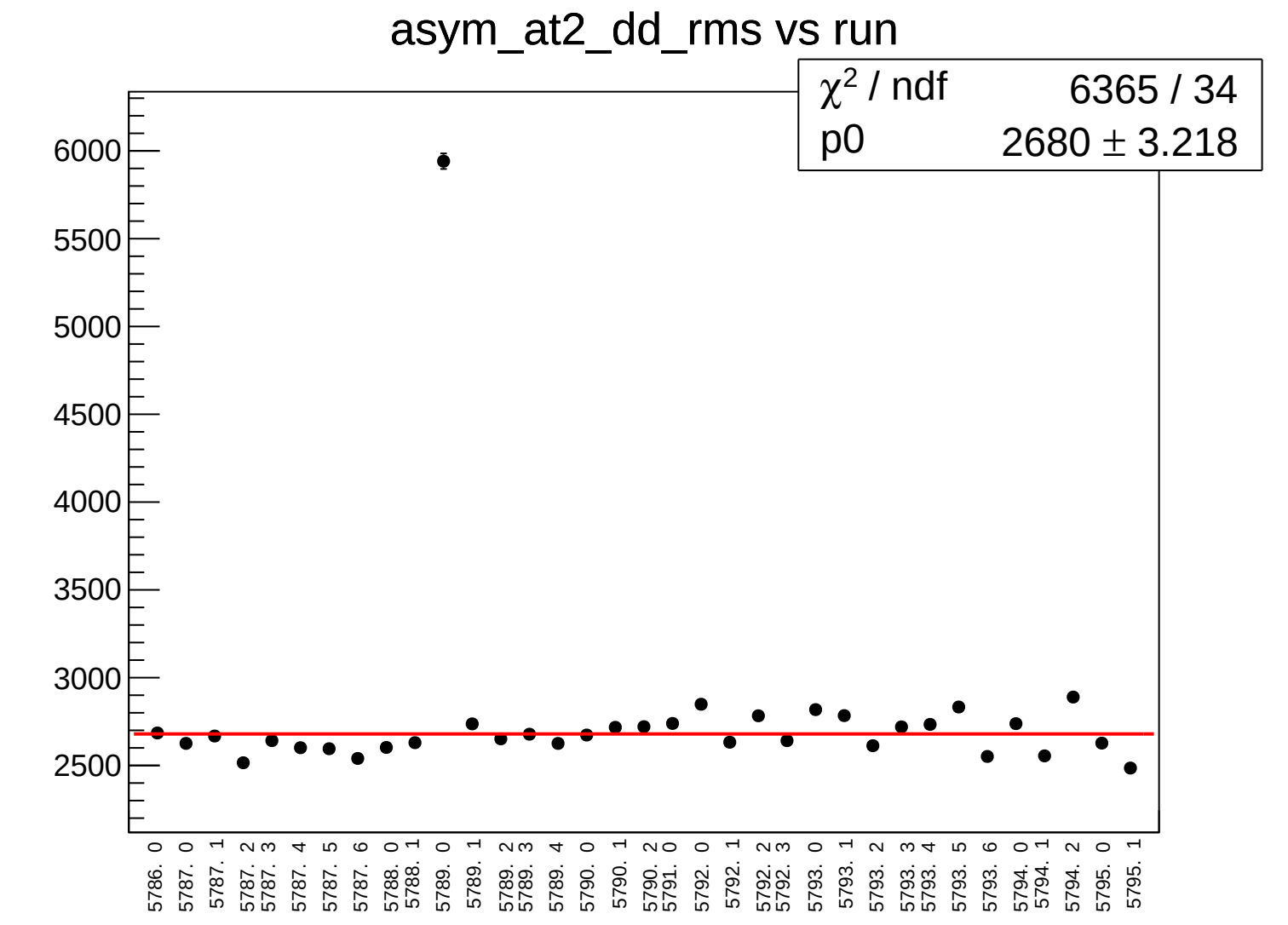

asym_at2_avg_rms vs run
χ² / ndf 1363 / 34
p0 8577 ± 10.26
10000
9500
9000
8500
8000
7500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

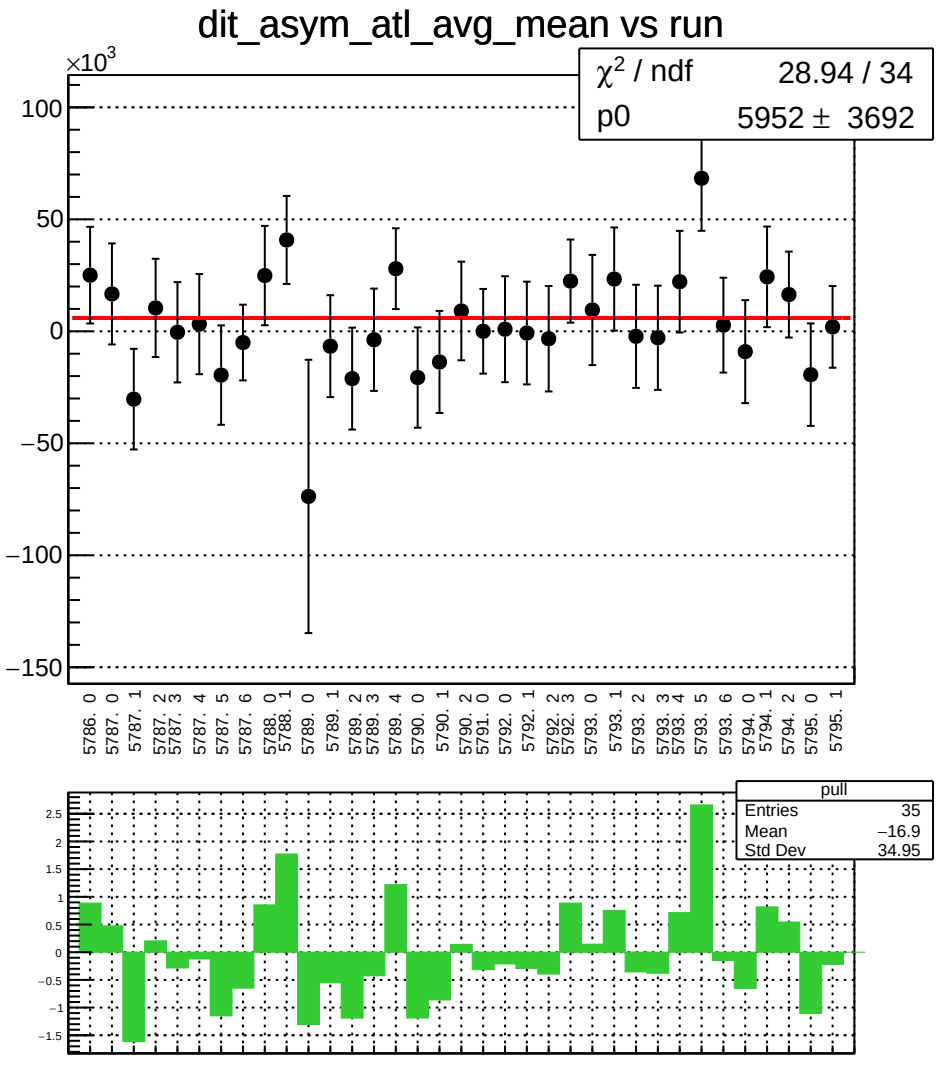

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 33.38 / 34
p0 −2648 ± 2856
pull
Entries 35
Mean 6.029
Std Dev 20.66

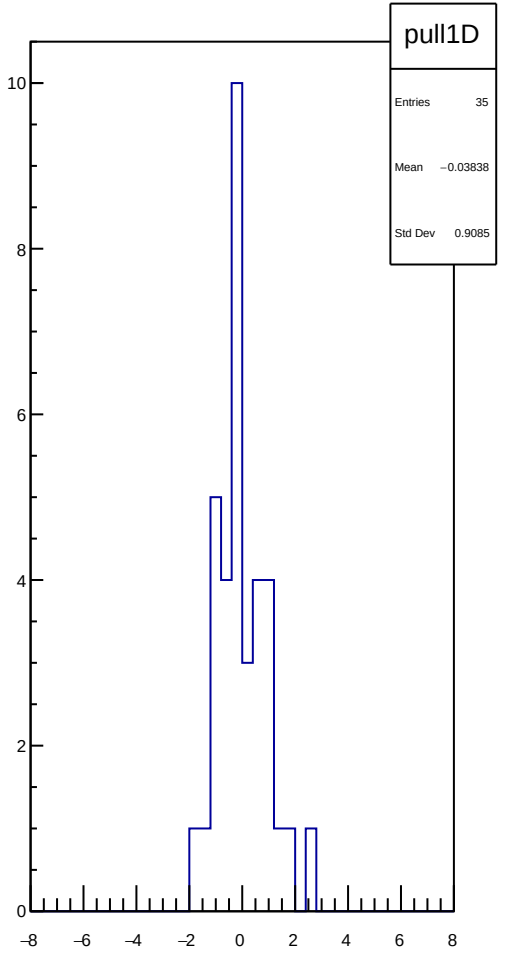

pull1D
Entries 35
Mean −0.0584
Std Dev 0.9749

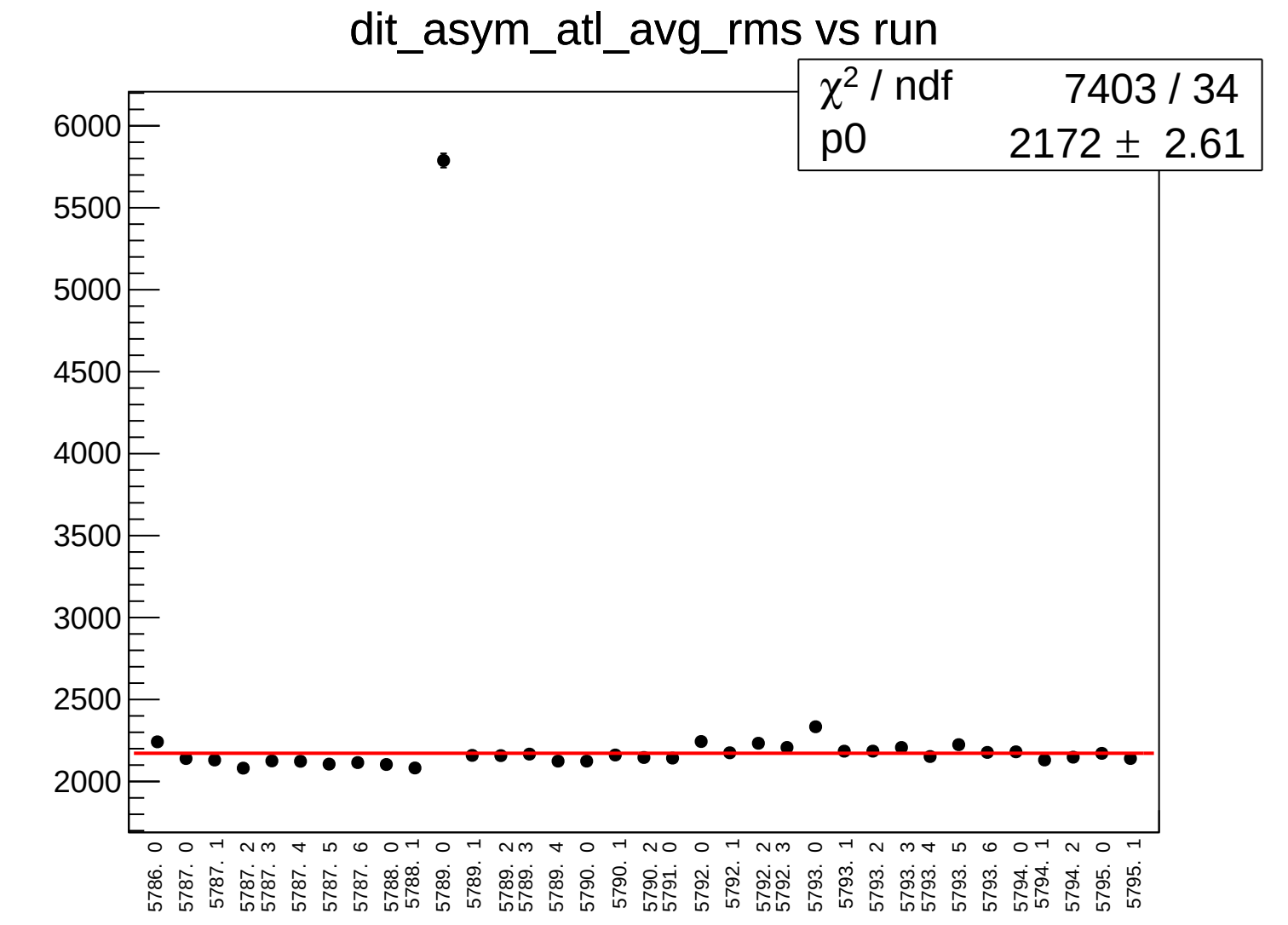

dit_asym_at2_dd_rms vs run
χ² / ndf 8884 / 34
p0 1679 ± 2.02
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

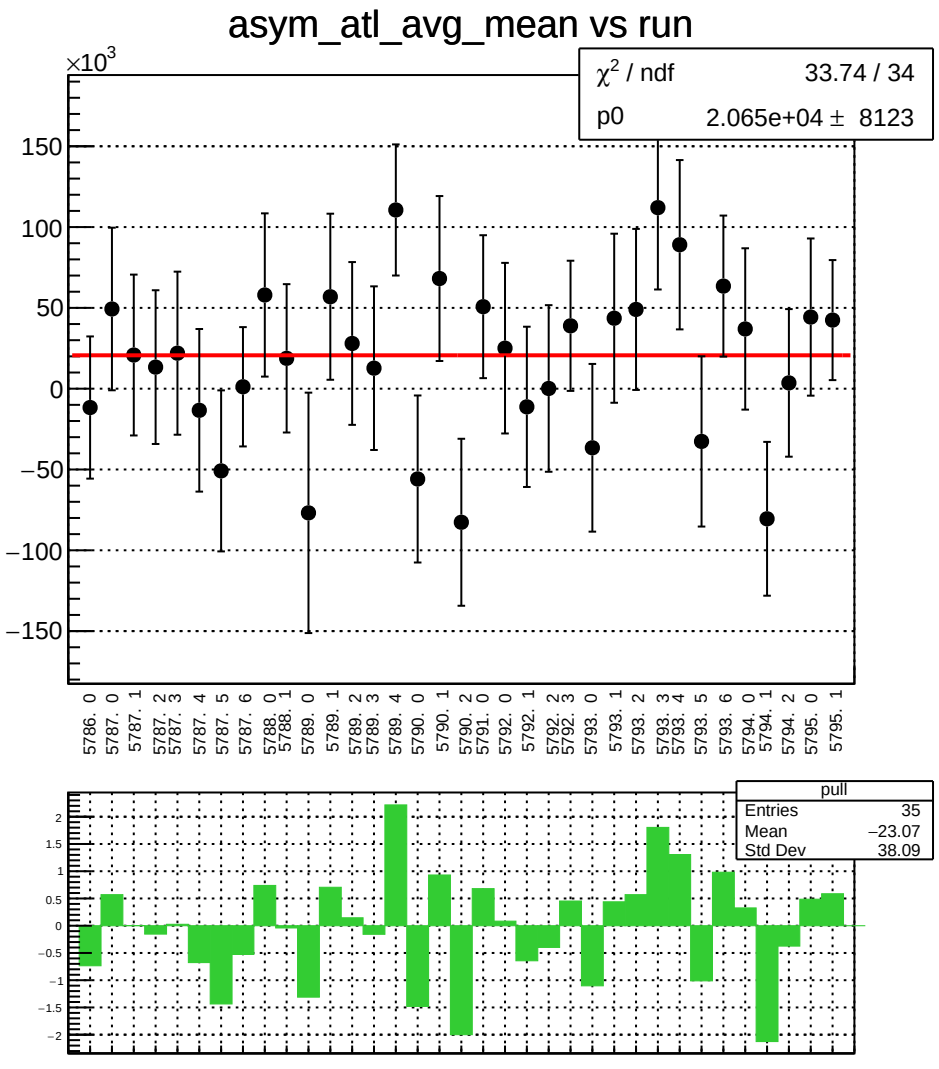

asym_at2_dd_mean vs run
×10^3
χ² / ndf 34.09 / 34
p0 1.013e+04 ± 4551
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 4.458
Std Dev 28.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 35
Mean 0.02878
Std Dev 0.9865
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

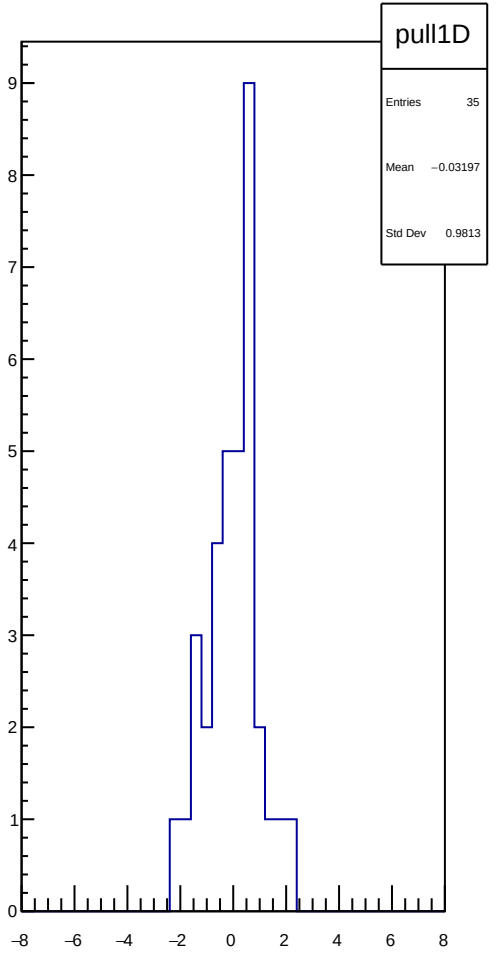

asym_at2_dd_rms vs run
χ² / ndf 6365 / 34
p0 2680 ± 3.218
6000
5500
5000
4500
4000
3500
3000
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

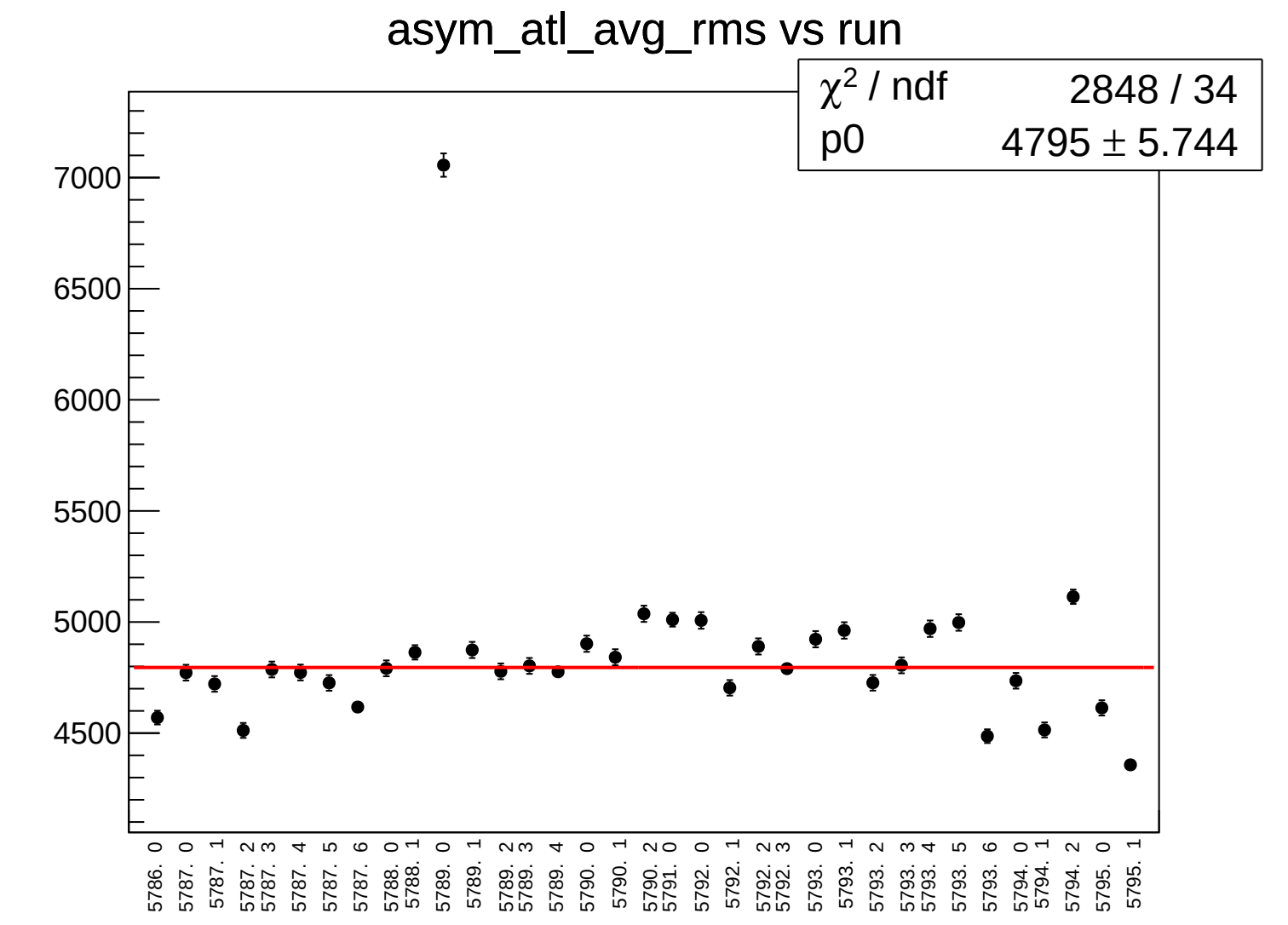

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 28.94 / 34
p0 5952 ± 3692
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −16.9
Std Dev 34.95
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

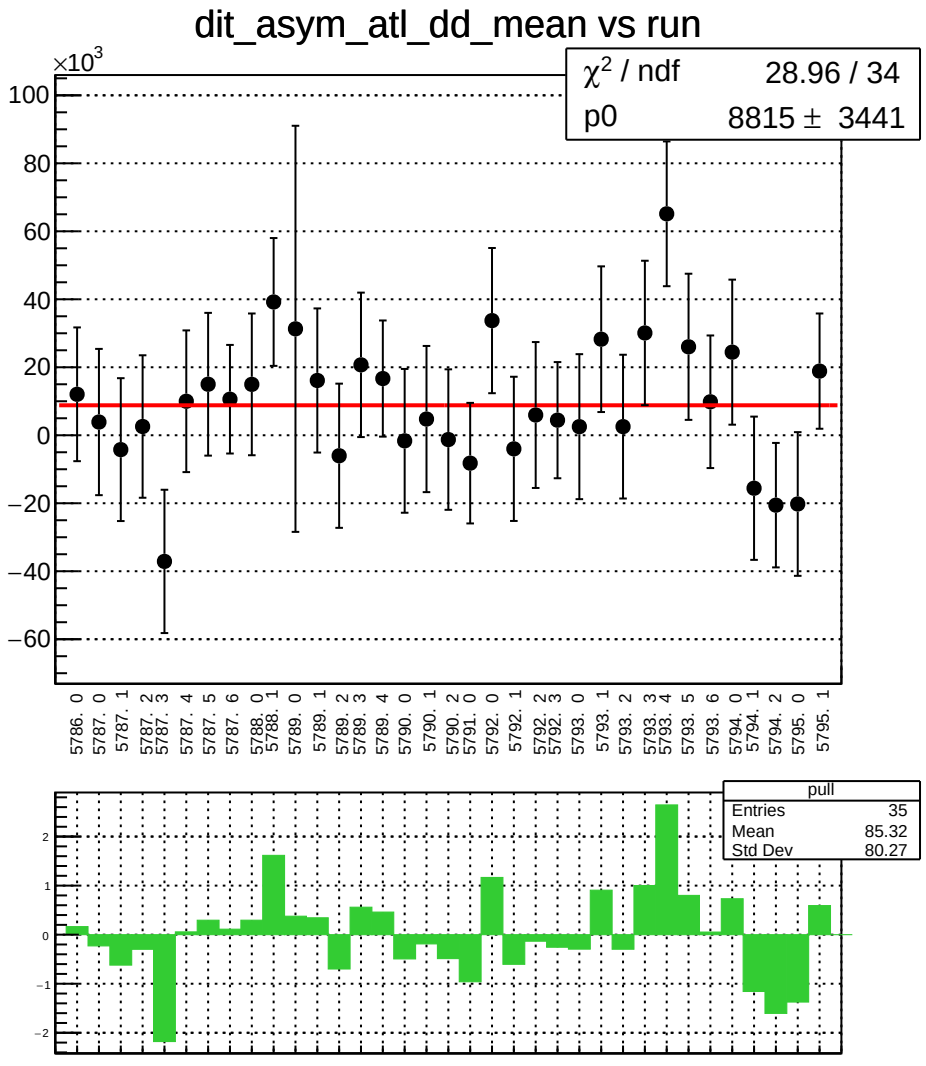

pull1D
Entries 35
Mean −0.03838
Std Dev 0.9085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

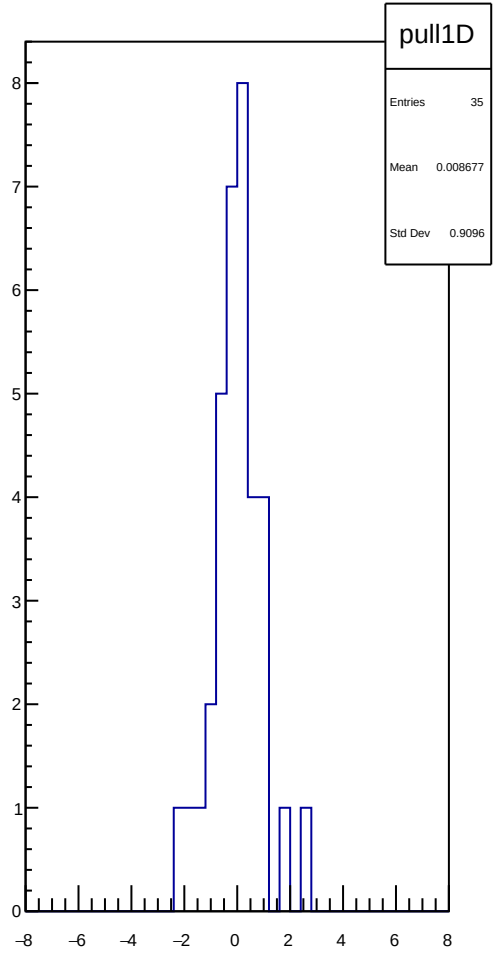

dit_asym_atl_avg_rms vs run
χ² / ndf 7403 / 34
p0 2172 ± 2.61
6000
5500
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

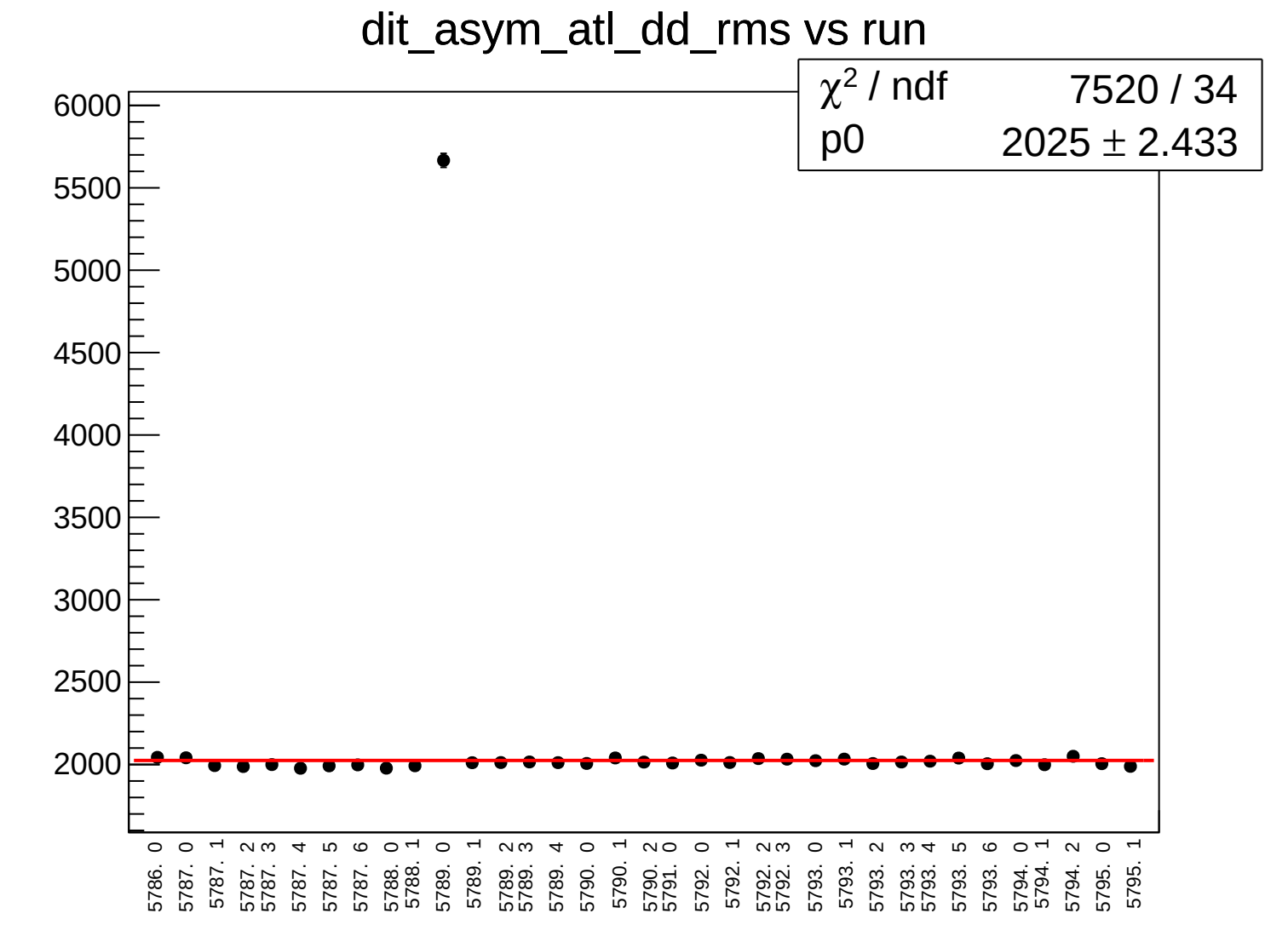

asym_atl_avg_mean vs run
×10^3
χ² / ndf 33.74 / 34
p0 2.065e+04 ± 8123
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −23.07
Std Dev 38.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

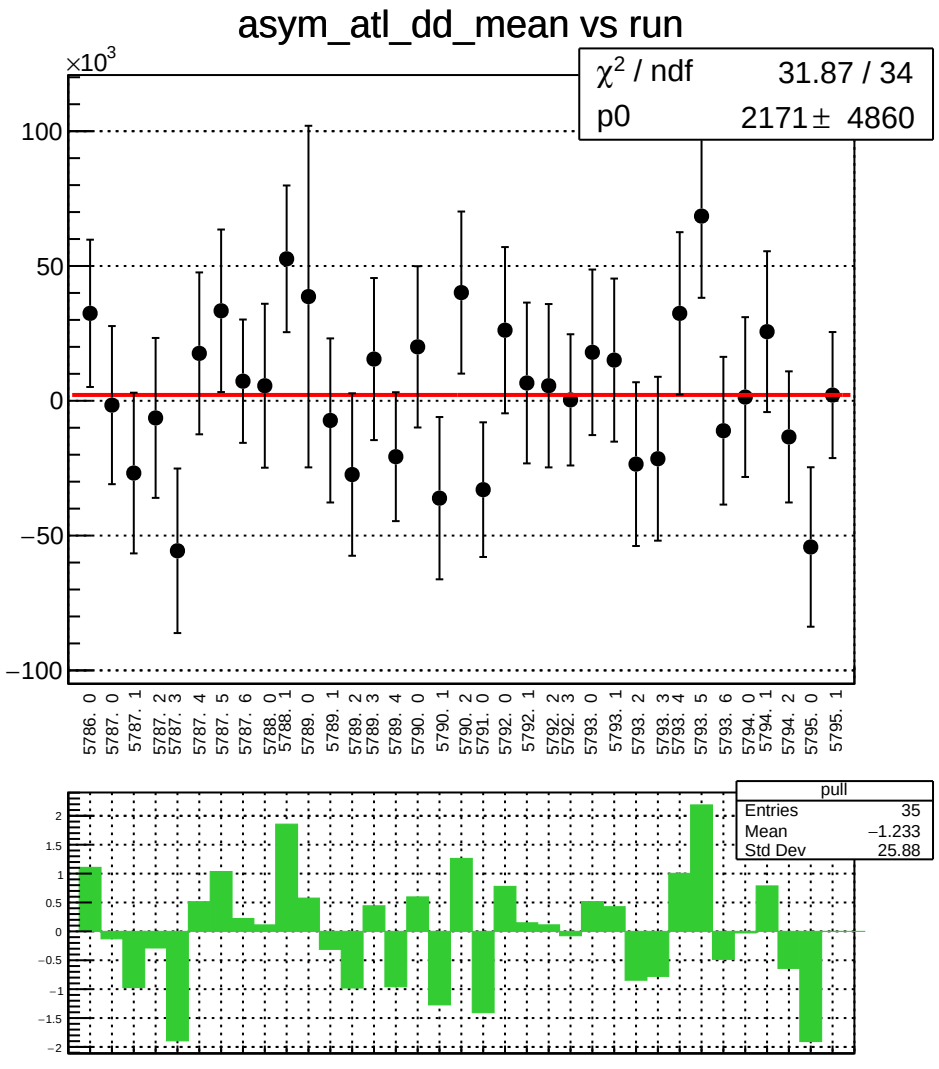

pull1D
Entries 35
Mean −0.03197
Std Dev 0.9813
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

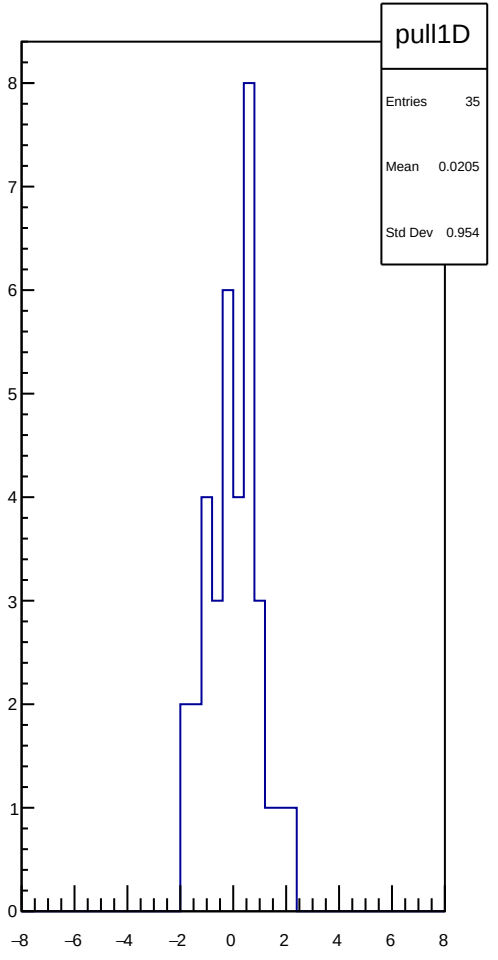

asym_atl_avg_rms vs run
χ² / ndf 2848 / 34
p0 4795 ± 5.744
7000
6500
6000
5500
5000
4500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

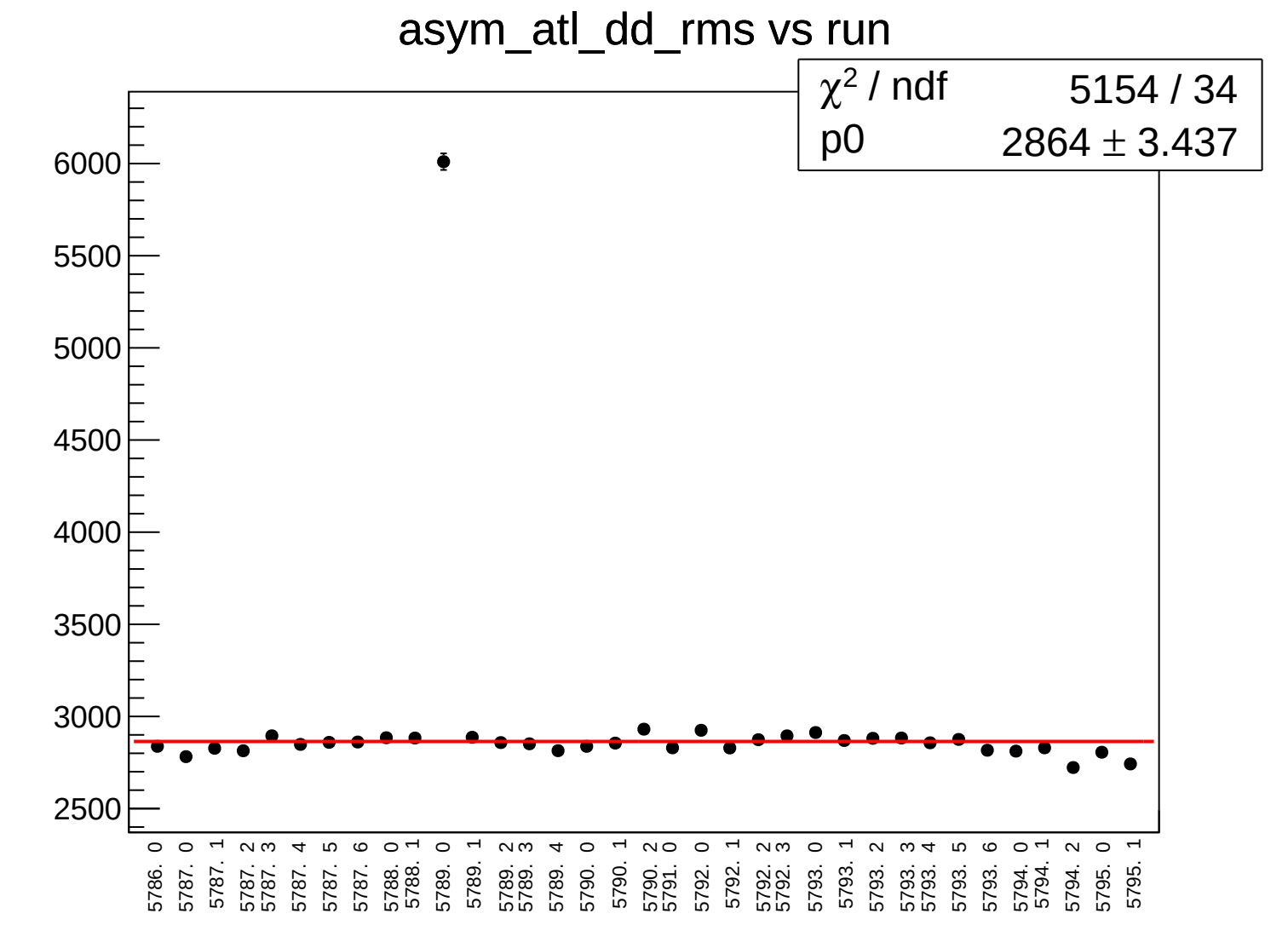

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 28.96 / 34
p0 8815 ± 3441
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 85.32
Std Dev 80.27
2
1
0
−1
−2

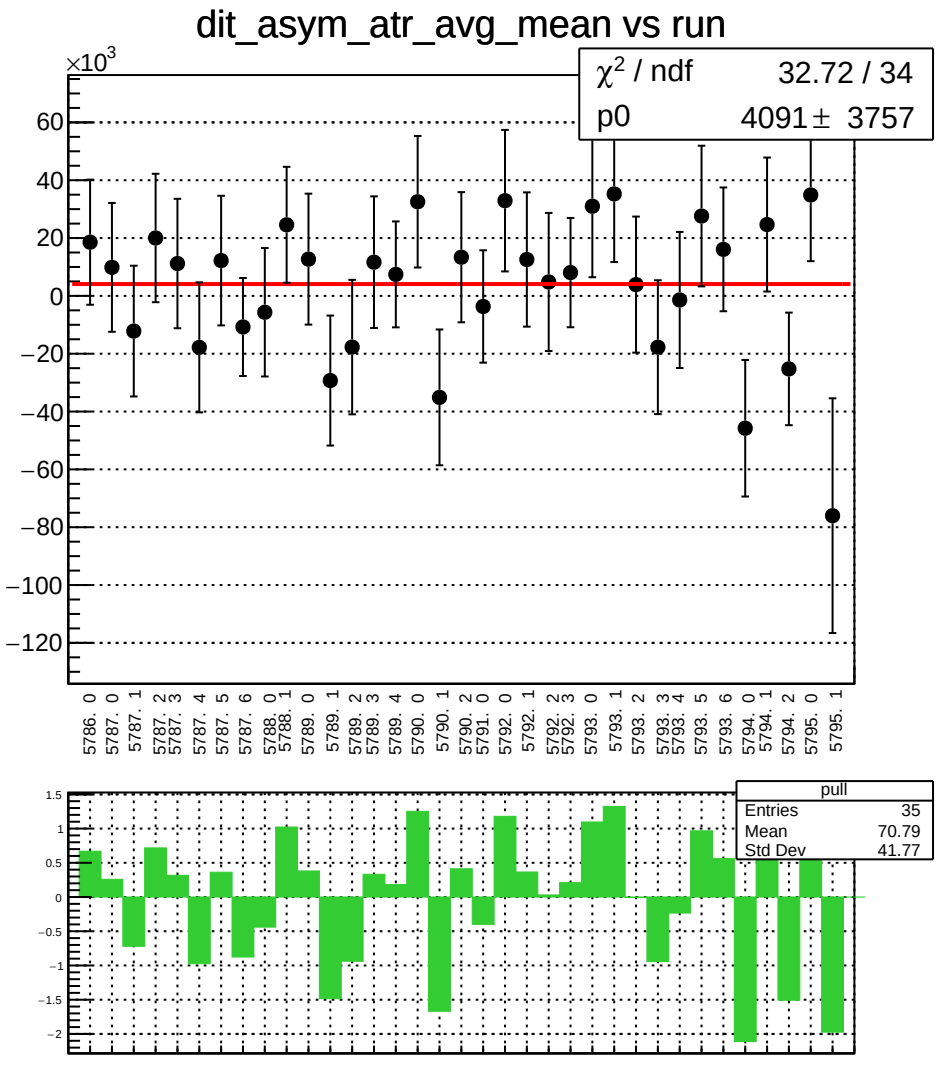

pull1D
Entries 35
Mean 0.008677
Std Dev 0.9096
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

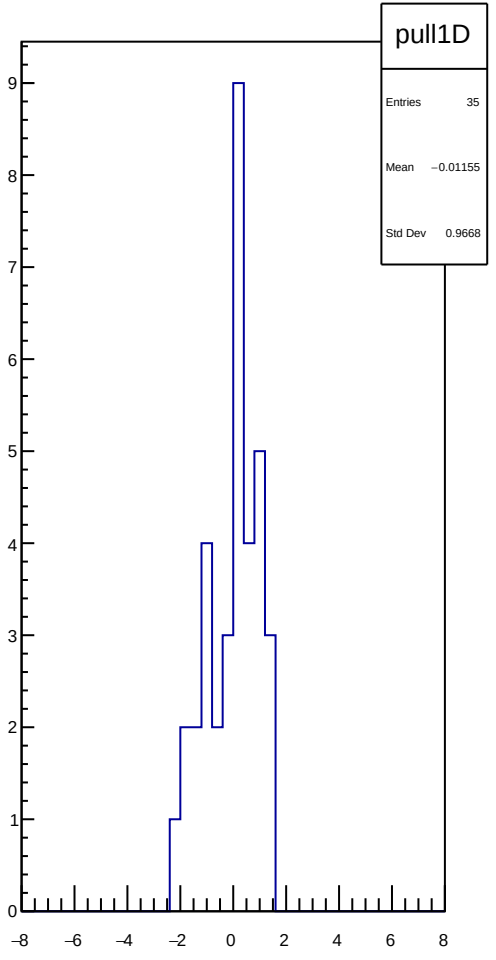

dit_asym_atl_dd_rms vs run
χ² / ndf 7520 / 34
p0 2025 ± 2.433
6000
5500
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

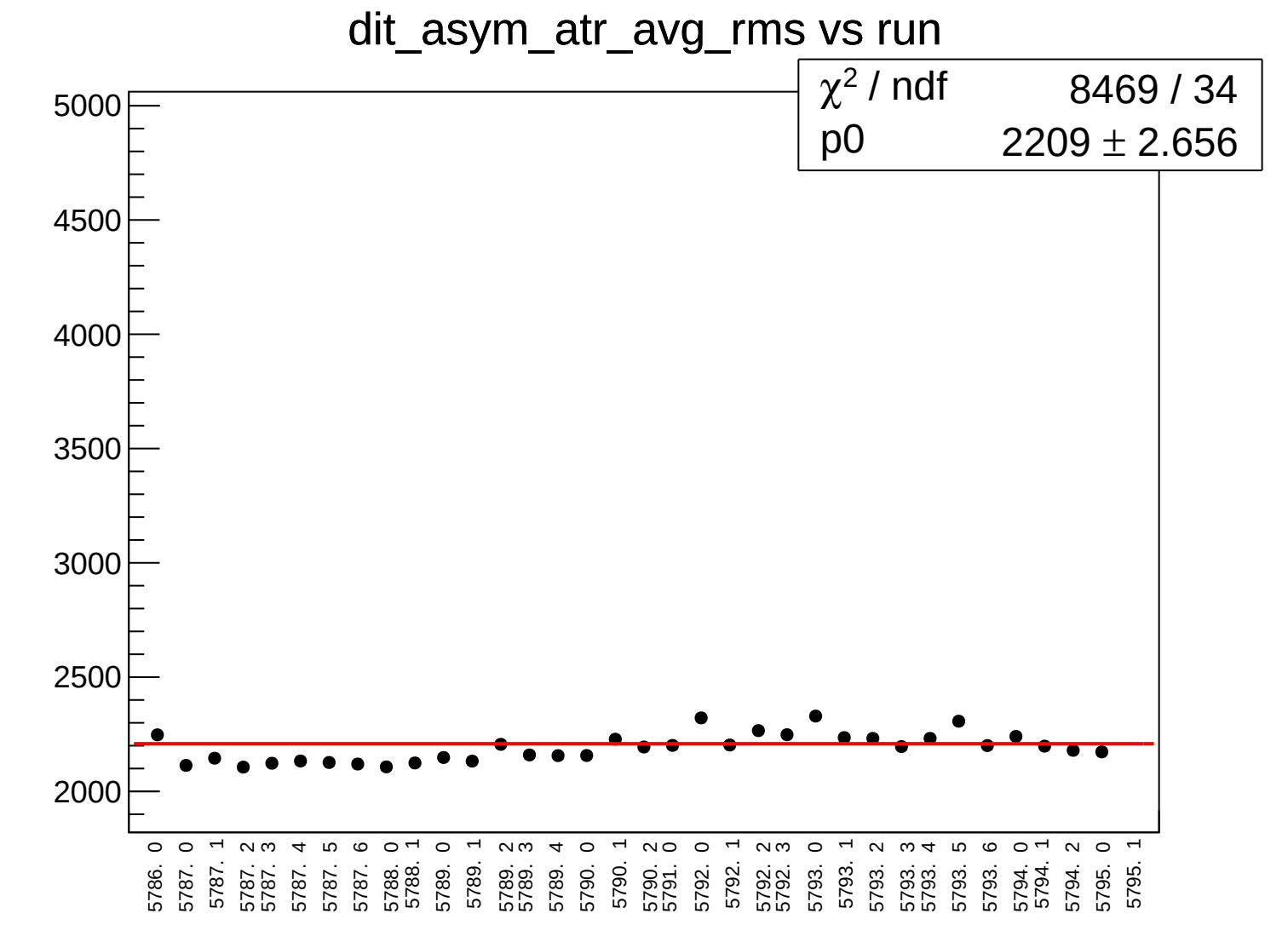

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 31.87 / 34
p0 2171 ± 4860
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1.233
Std Dev 25.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

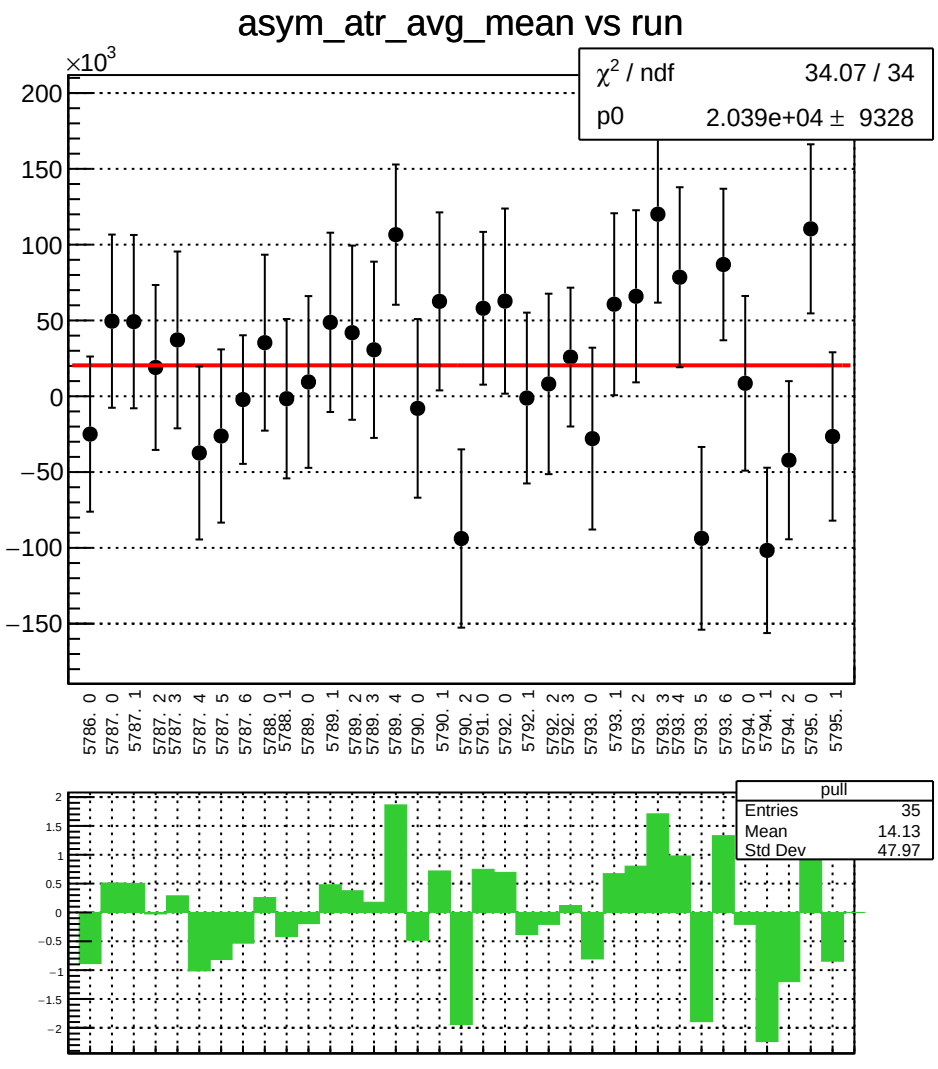

pull1D
Entries 35
Mean 0.0205
Std Dev 0.954
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

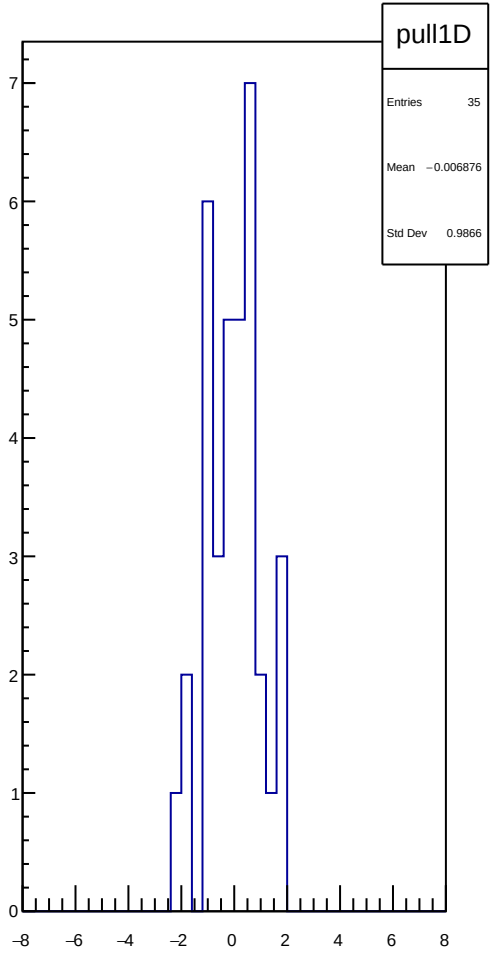

asym_atl_dd_rms vs run
χ² / ndf 5154 / 34
p0 2864 ± 3.437
6000
5500
5000
4500
4000
3500
3000
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

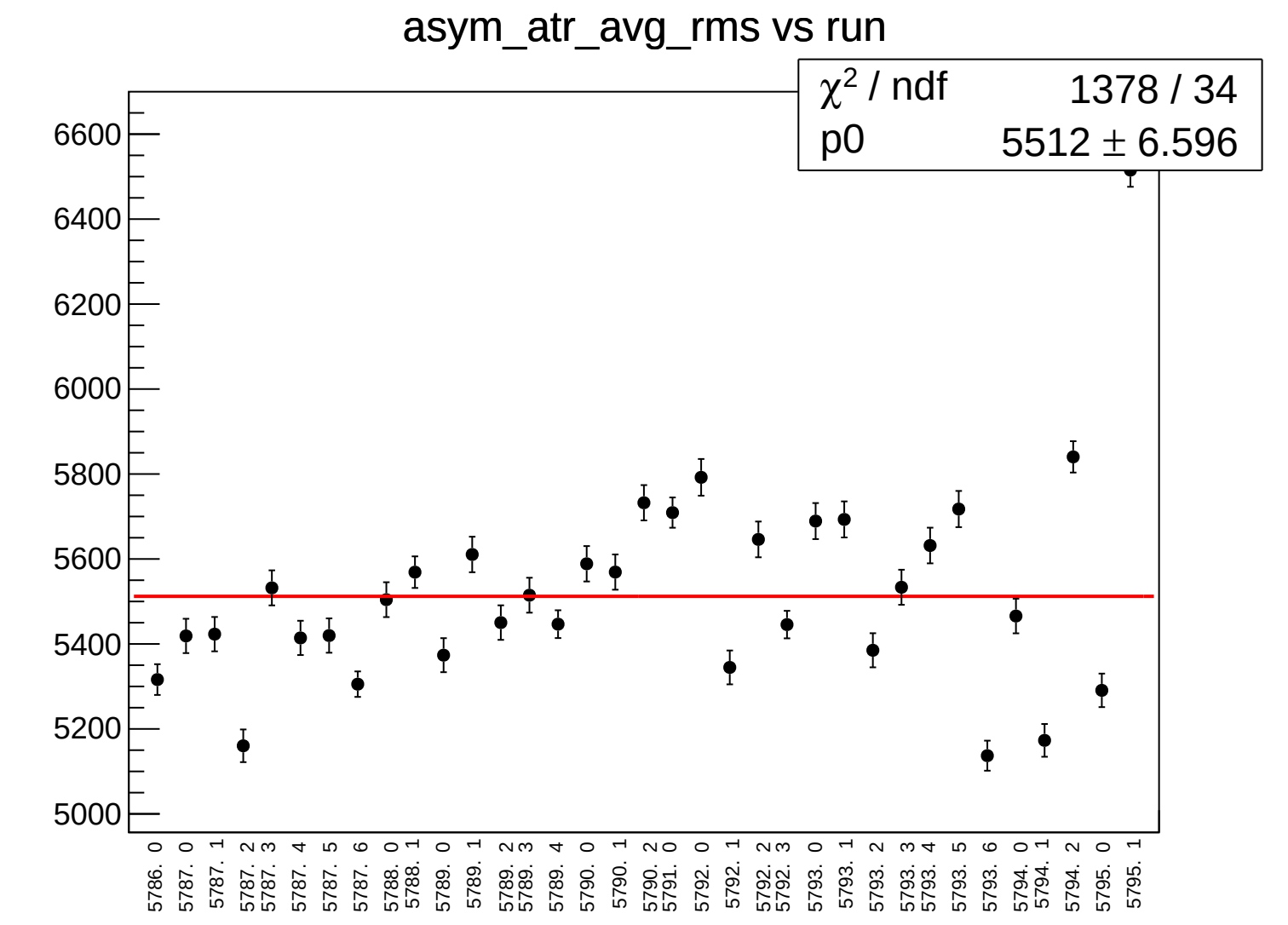

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 32.72 / 34
p0 4091 ± 3757
60
40
20
0
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.79
Std Dev 41.77
1.5
1
0.5
0
−0.5
−1
−1.5
−2

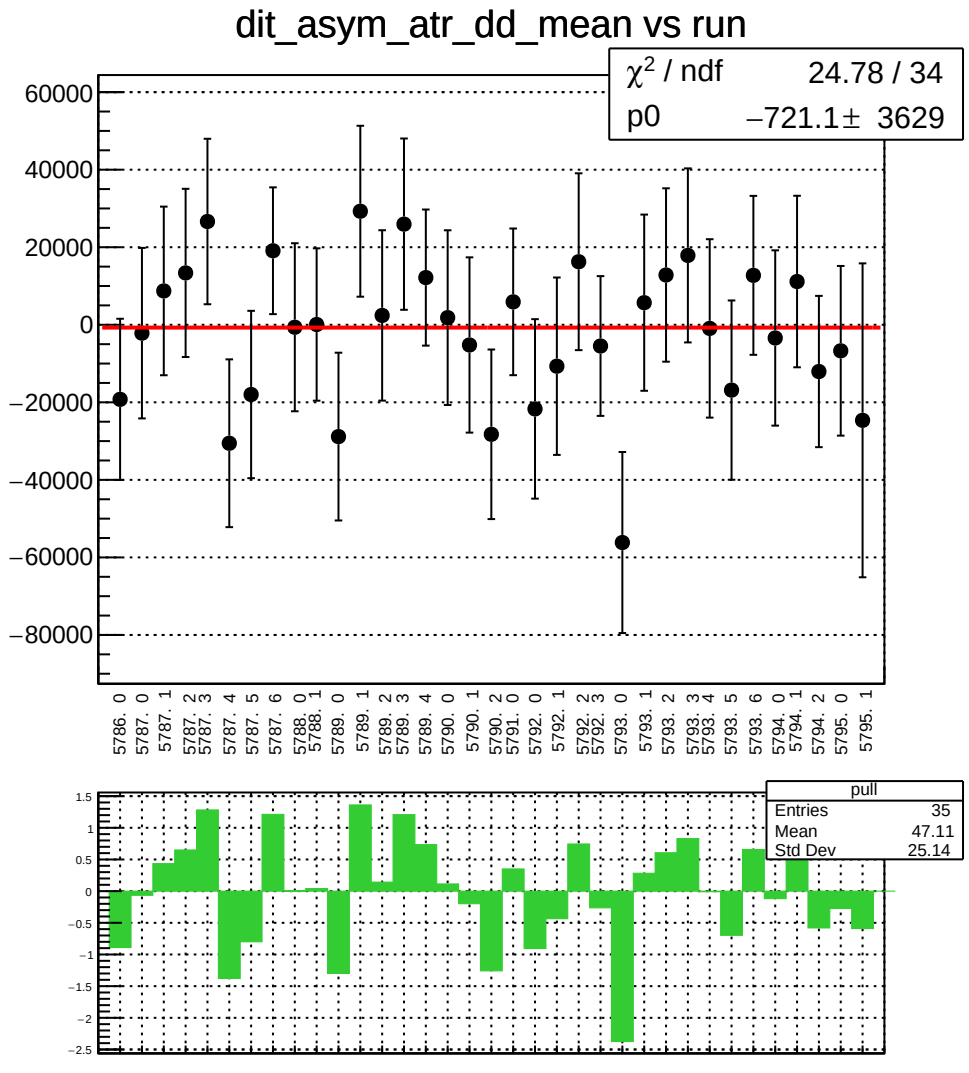

pull1D
Entries 35
Mean −0.01155
Std Dev 0.9668
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

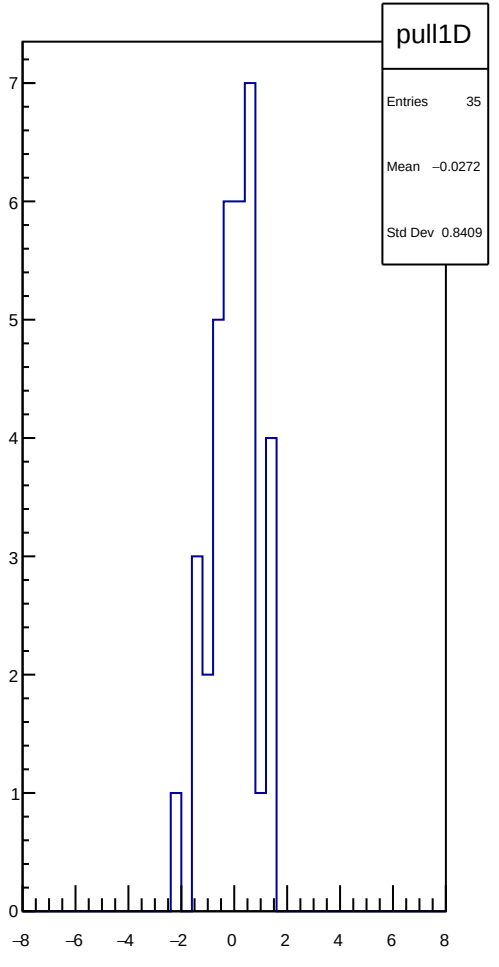

dit_asym_atr_avg_rms vs run
χ² / ndf 8469 / 34
p0 2209 ± 2.656
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

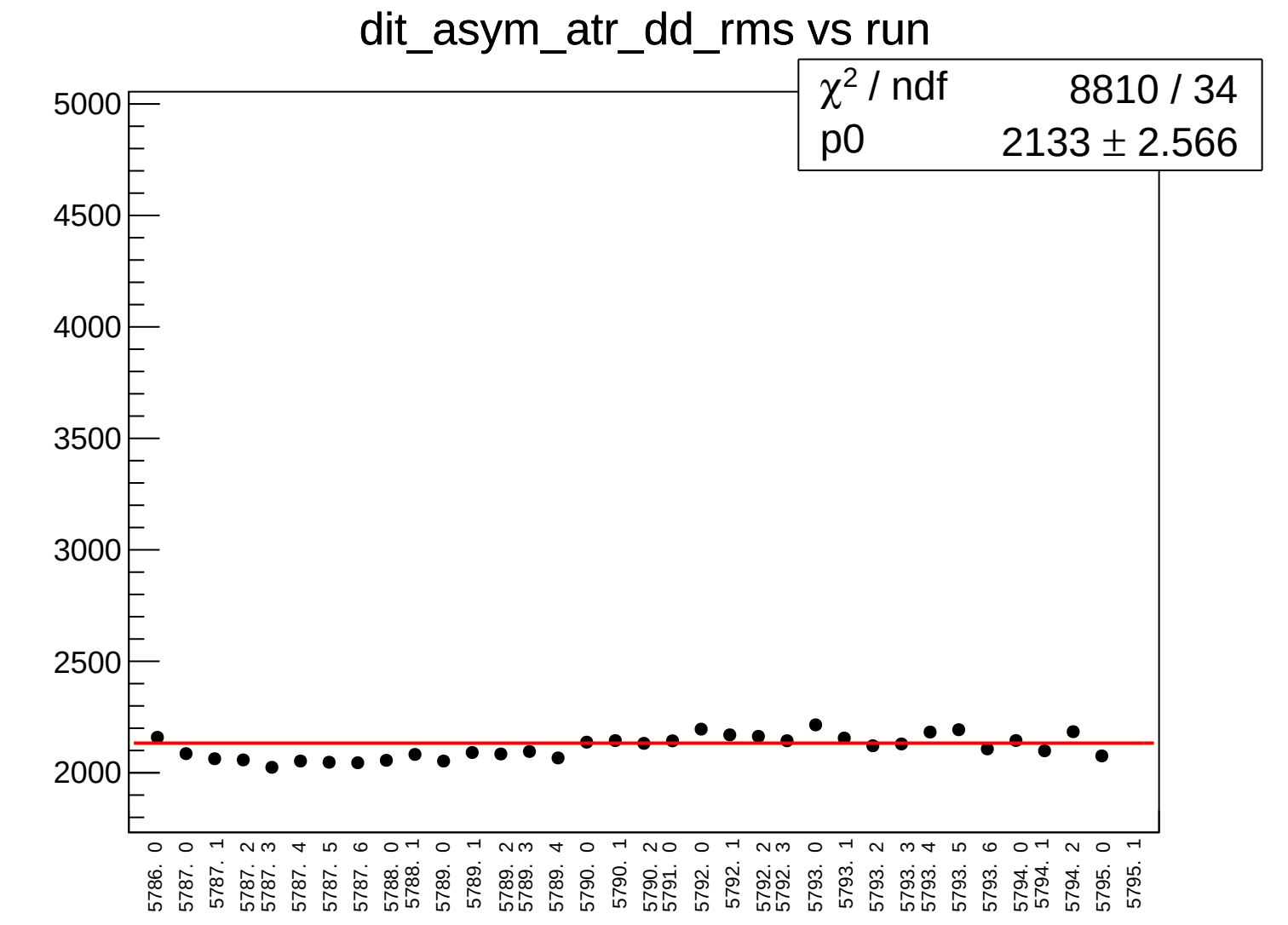

asym_atr_avg_mean vs run
×10^3
χ² / ndf 34.07 / 34
p0 2.039e+04 ± 9328
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 14.13
Std Dev 47.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

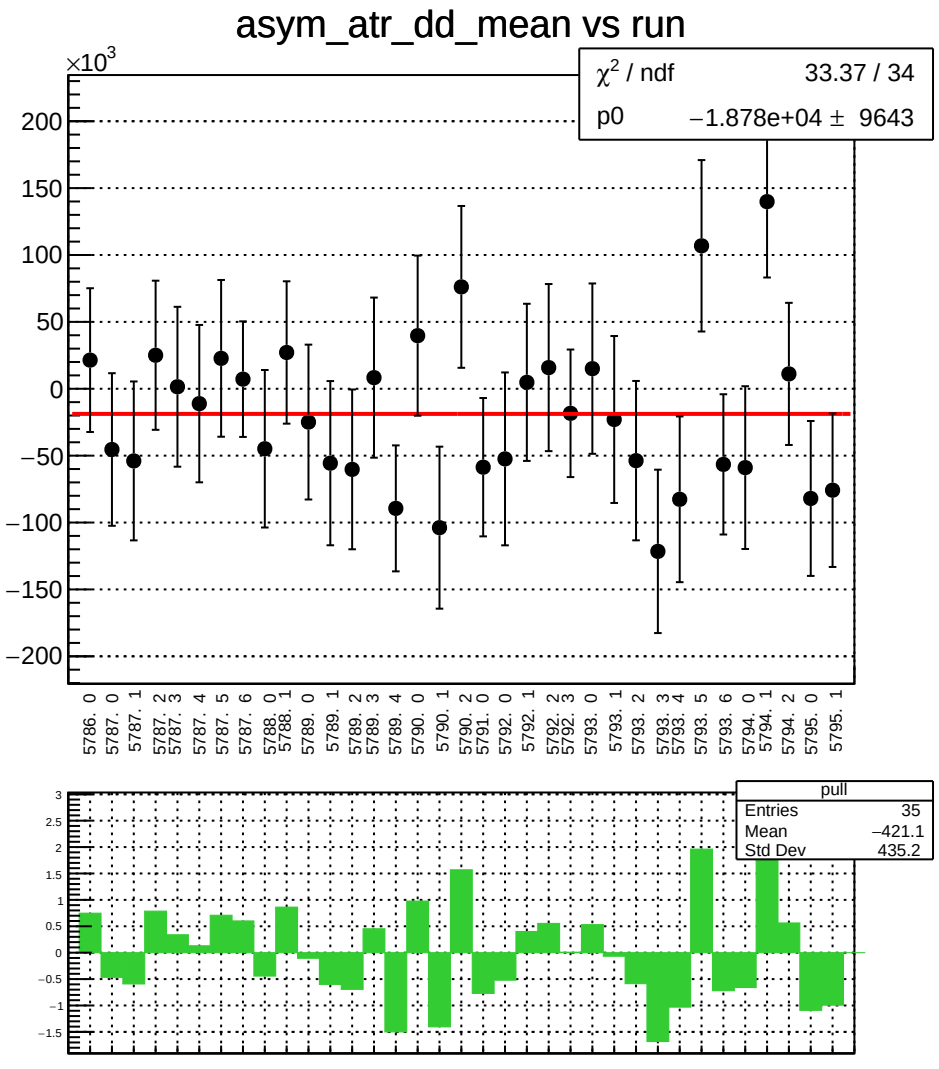

pull1D
Entries 35
Mean −0.006876
Std Dev 0.9866
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

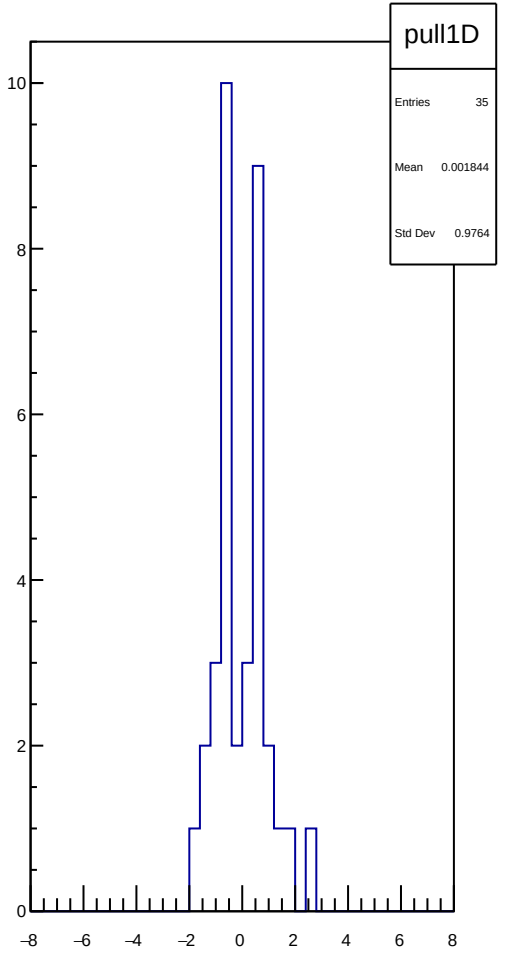

asym_atr_avg_rms vs run
χ² / ndf 1378 / 34
p0 5512 ± 6.596
6600
6400
6200
6000
5800
5600
5400
5200
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

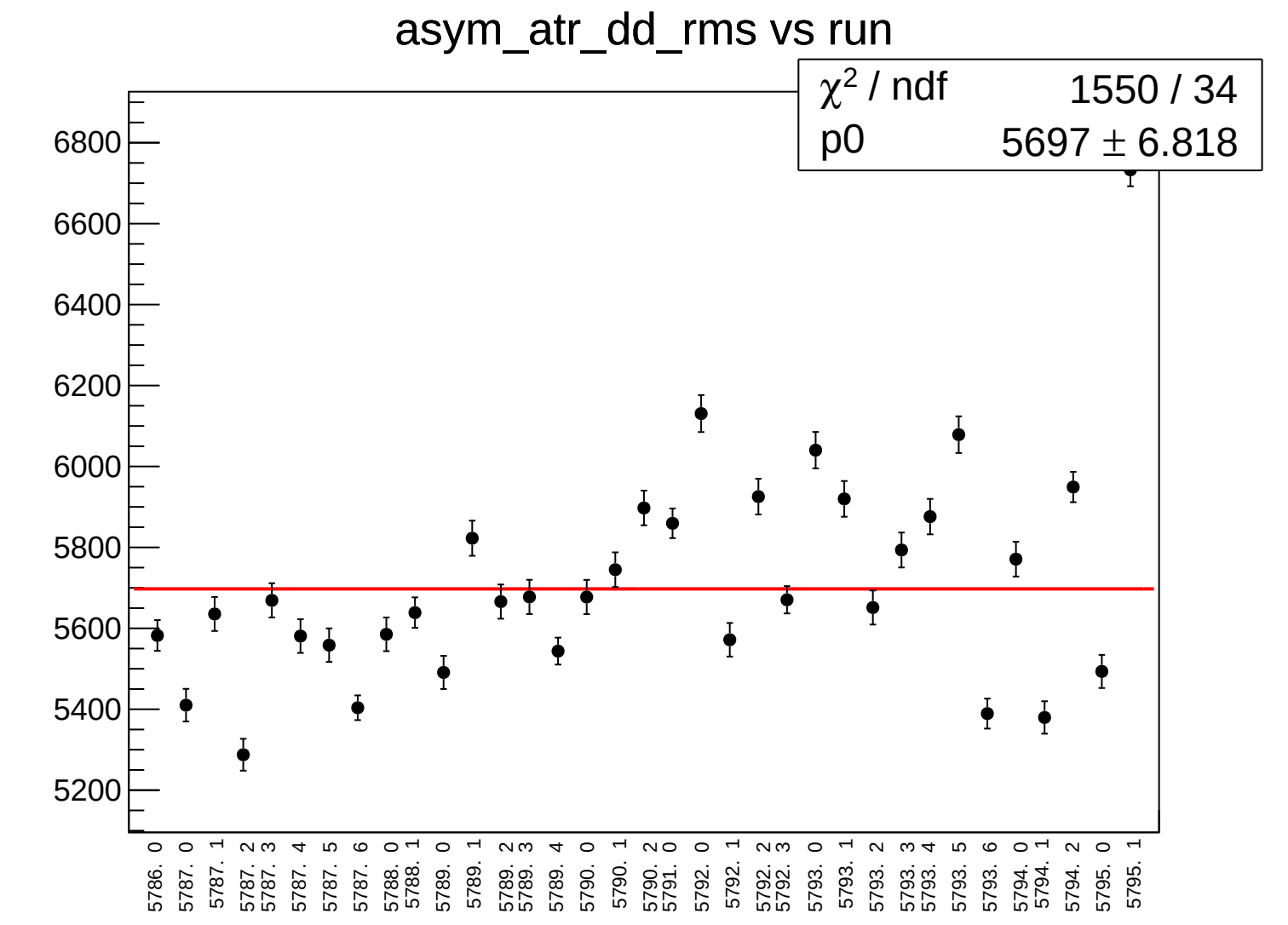

dit_asym_atr_dd_mean vs run
χ² / ndf 24.78 / 34
p0 −721.1± 3629
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 47.11
Std Dev 25.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

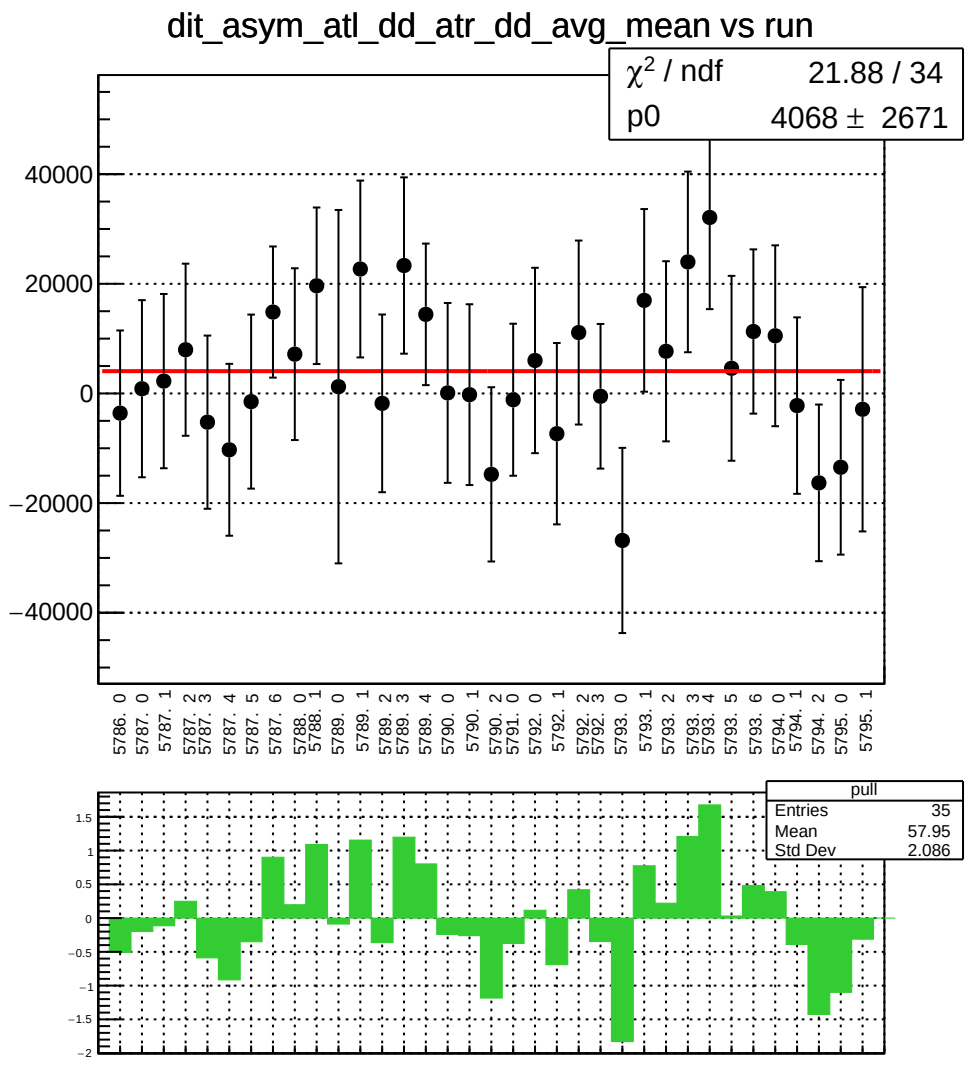

pull1D
Entries 35
Mean −0.0272
Std Dev 0.8409
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

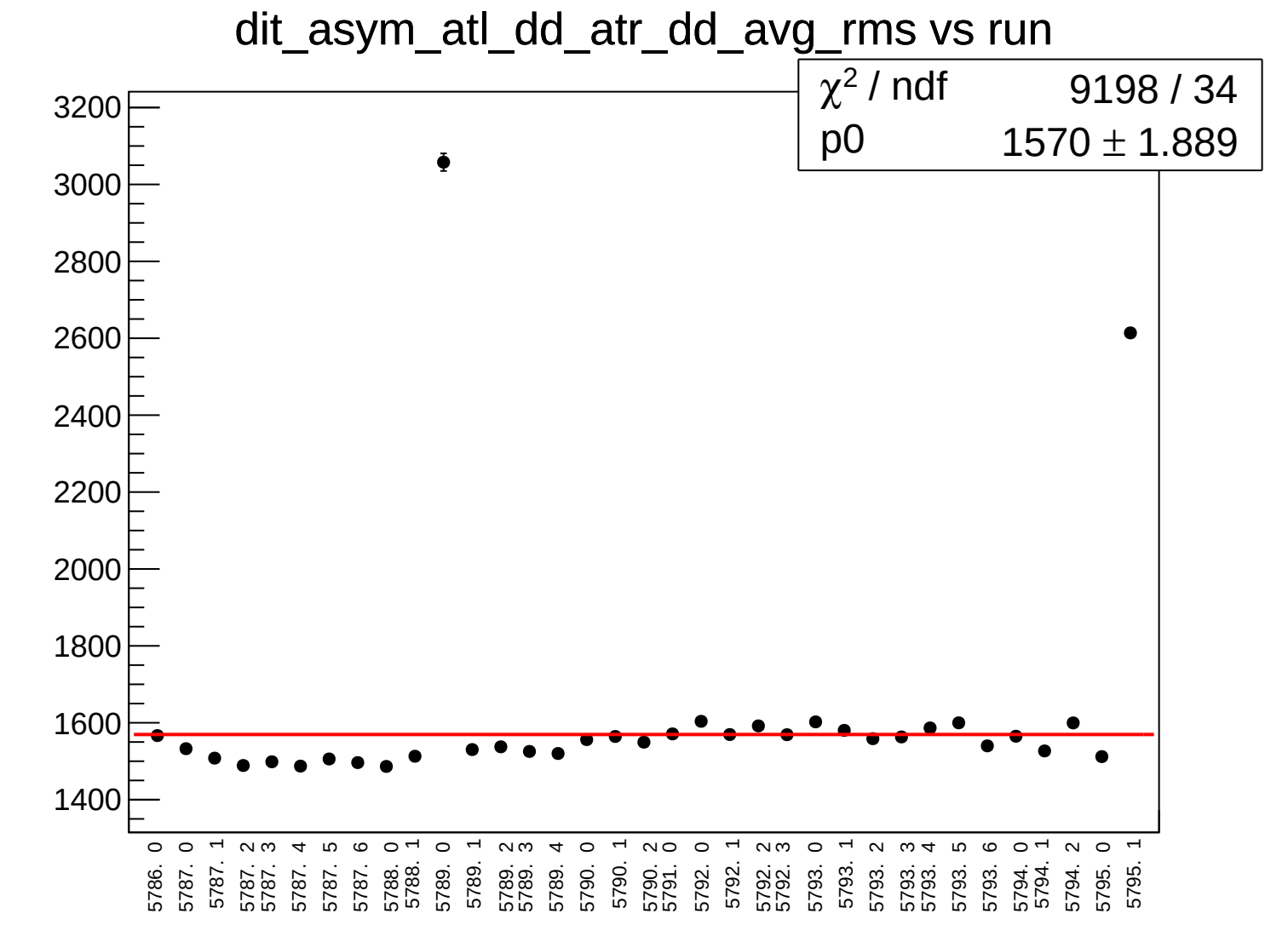

dit_asym_atr_dd_rms vs run
χ² / ndf 8810 / 34
p0 2133 ± 2.566
5000
4500
4000
3500
3000
2500
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

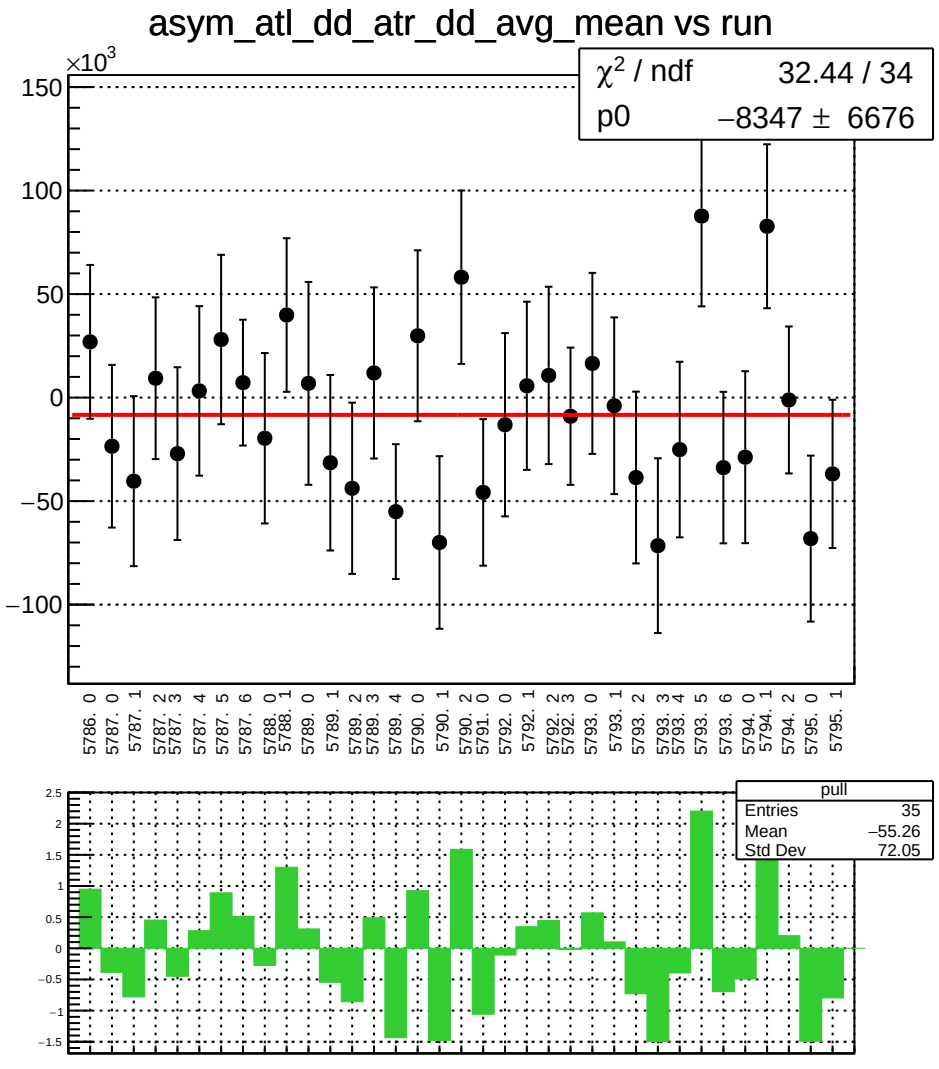

asym_atr_dd_mean vs run
×10^3
χ² / ndf 33.37 / 34
p0 −1.878e+04 ± 9643
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −421.1
Std Dev 435.2
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

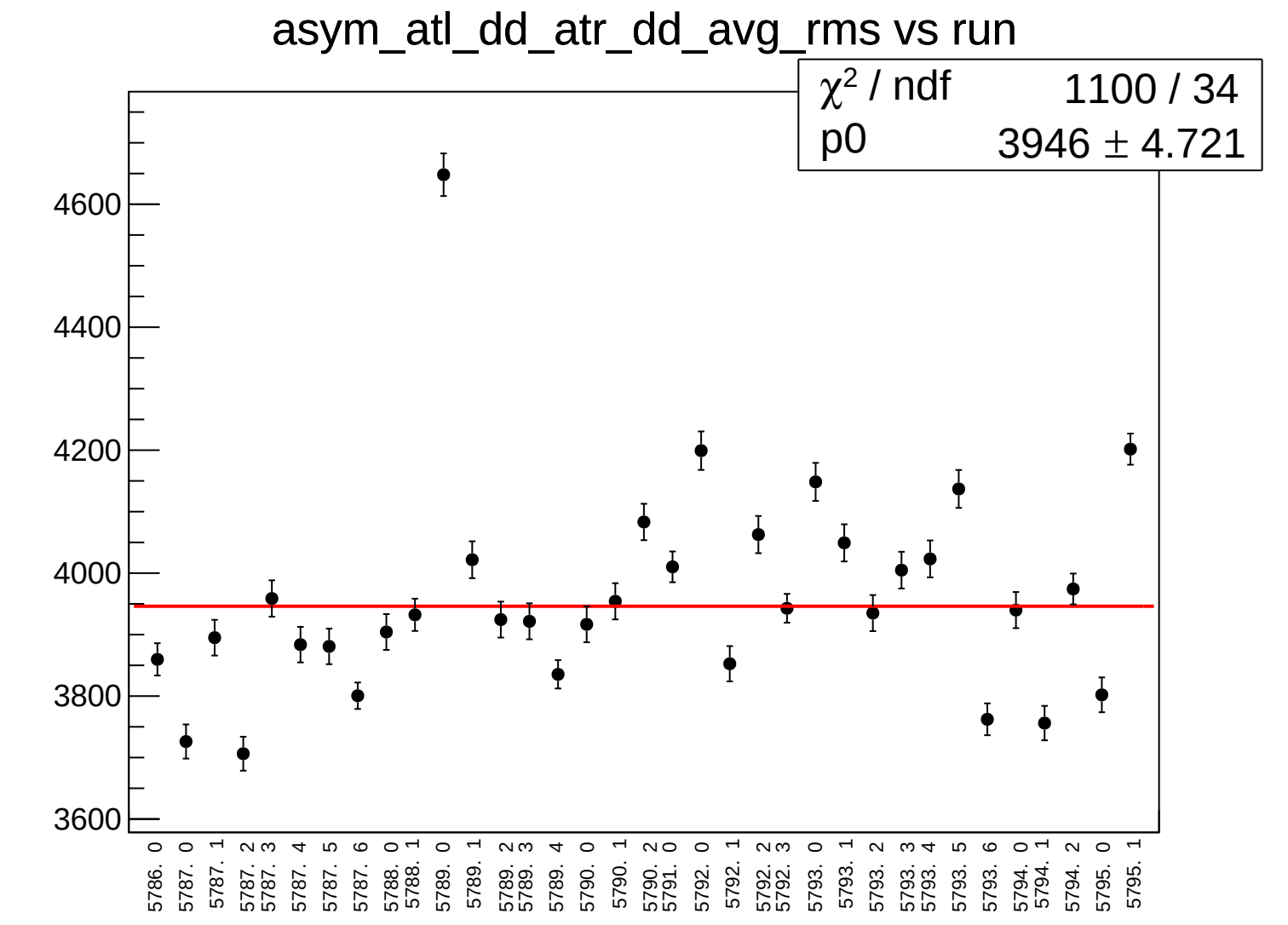

pull1D
Entries 35
Mean 0.001844
Std Dev 0.9764
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

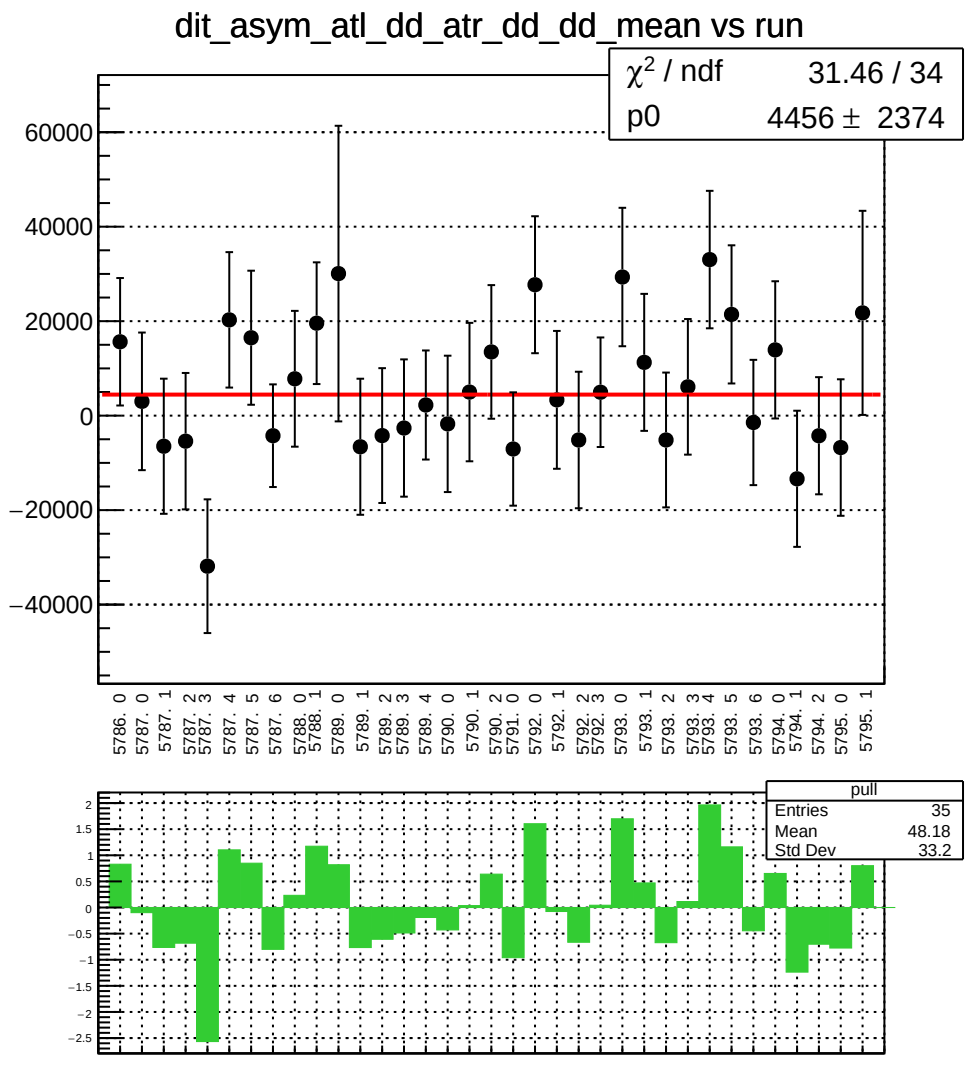

asym_atr_dd_rms vs run
χ² / ndf 1550 / 34
p0 5697 ± 6.818
6800
6600
6400
6200
6000
5800
5600
5400
5200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

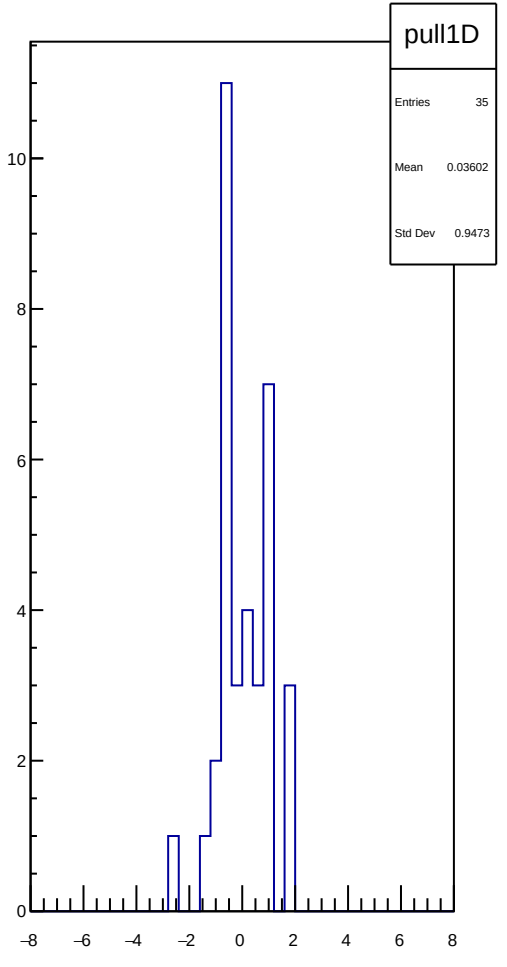

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 21.88 / 34
p0 4068 ± 2671
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 57.95
Std Dev 2.086
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.01054
Std Dev 0.7905
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

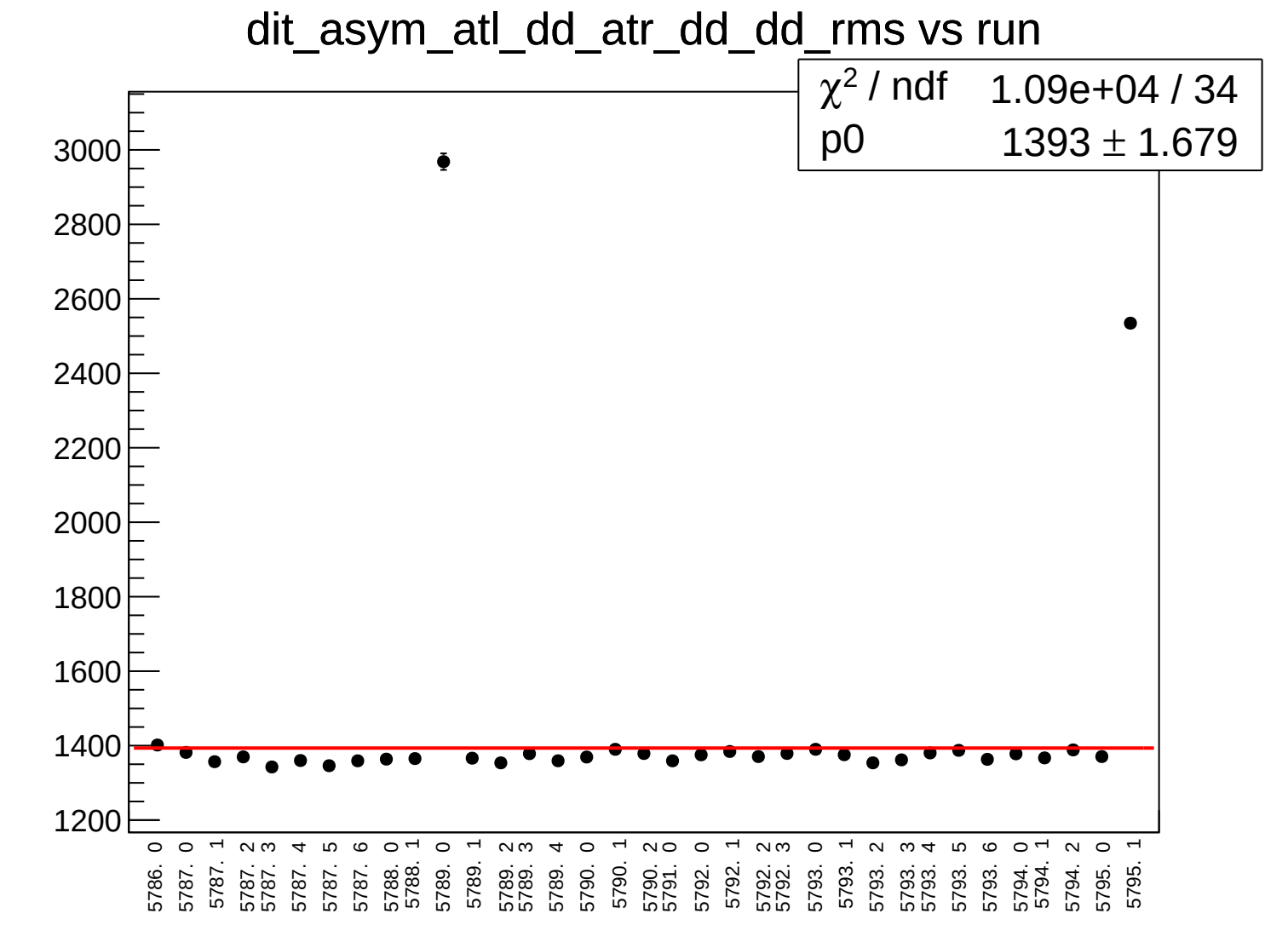

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 9198 / 34
p0 1570 ± 1.889
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

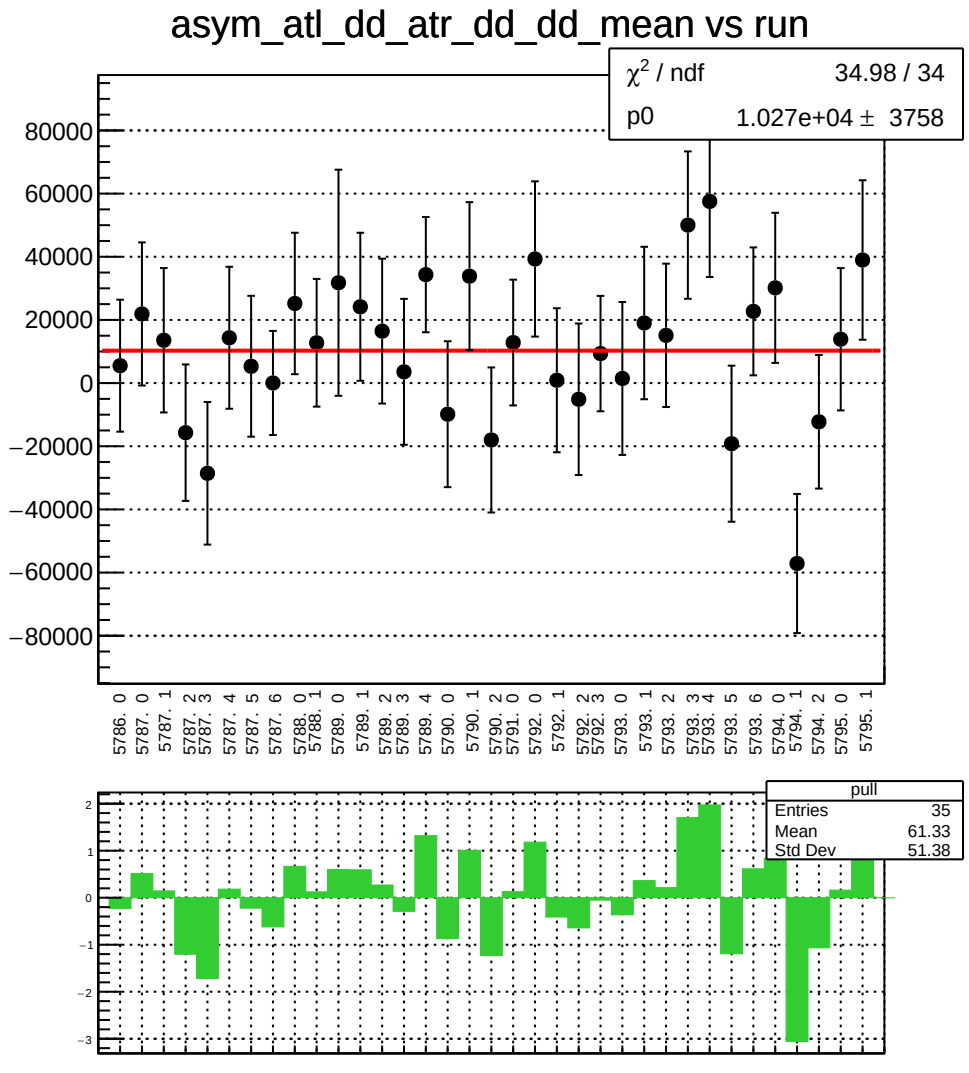

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 32.44 / 34
p0 −8347 ± 6676
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −55.26
Std Dev 72.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.01099
Std Dev 0.9626
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

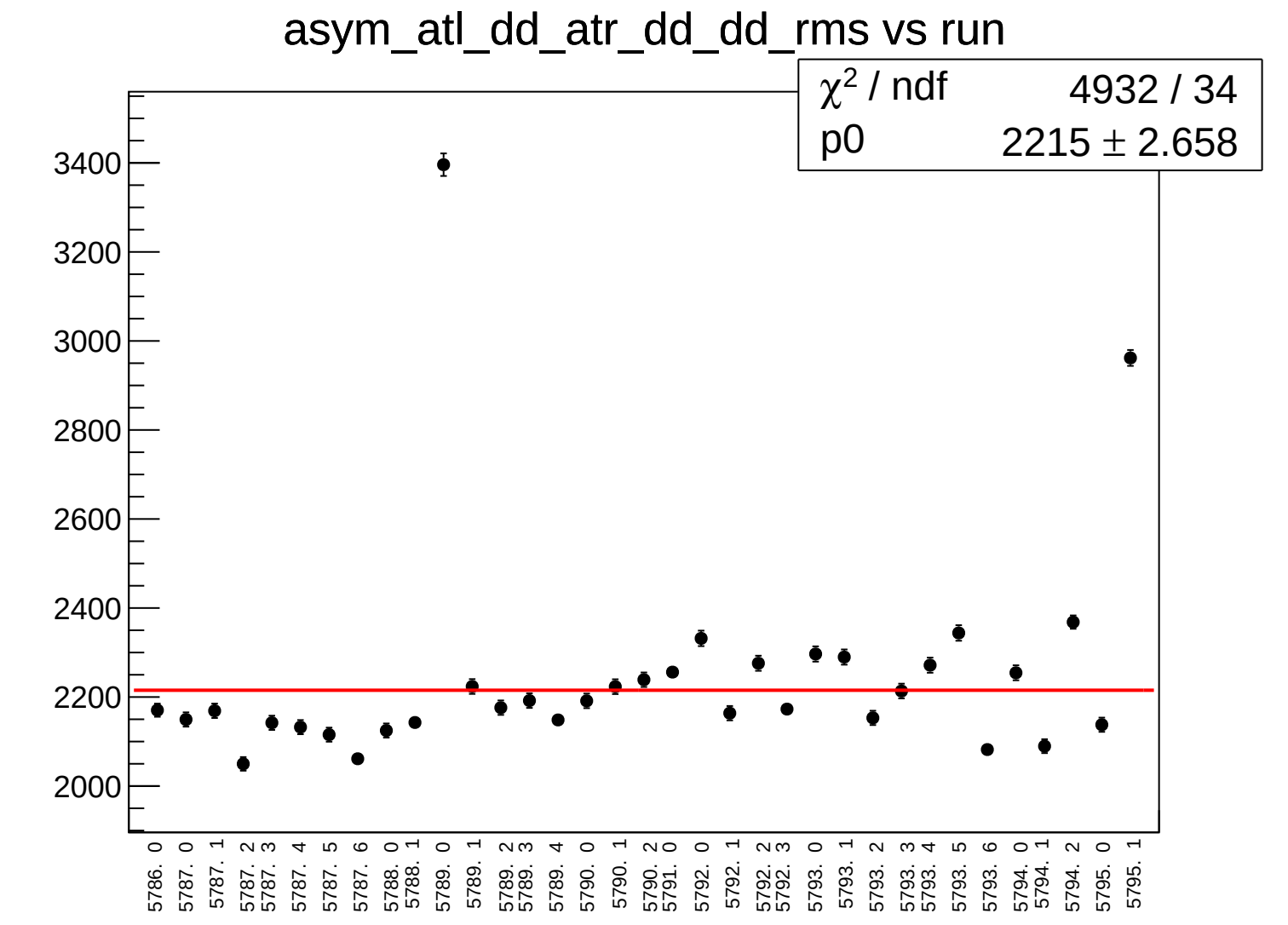

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1100 / 34
p0 3946 ± 4.721
4600
4400
4200
4000
3800
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

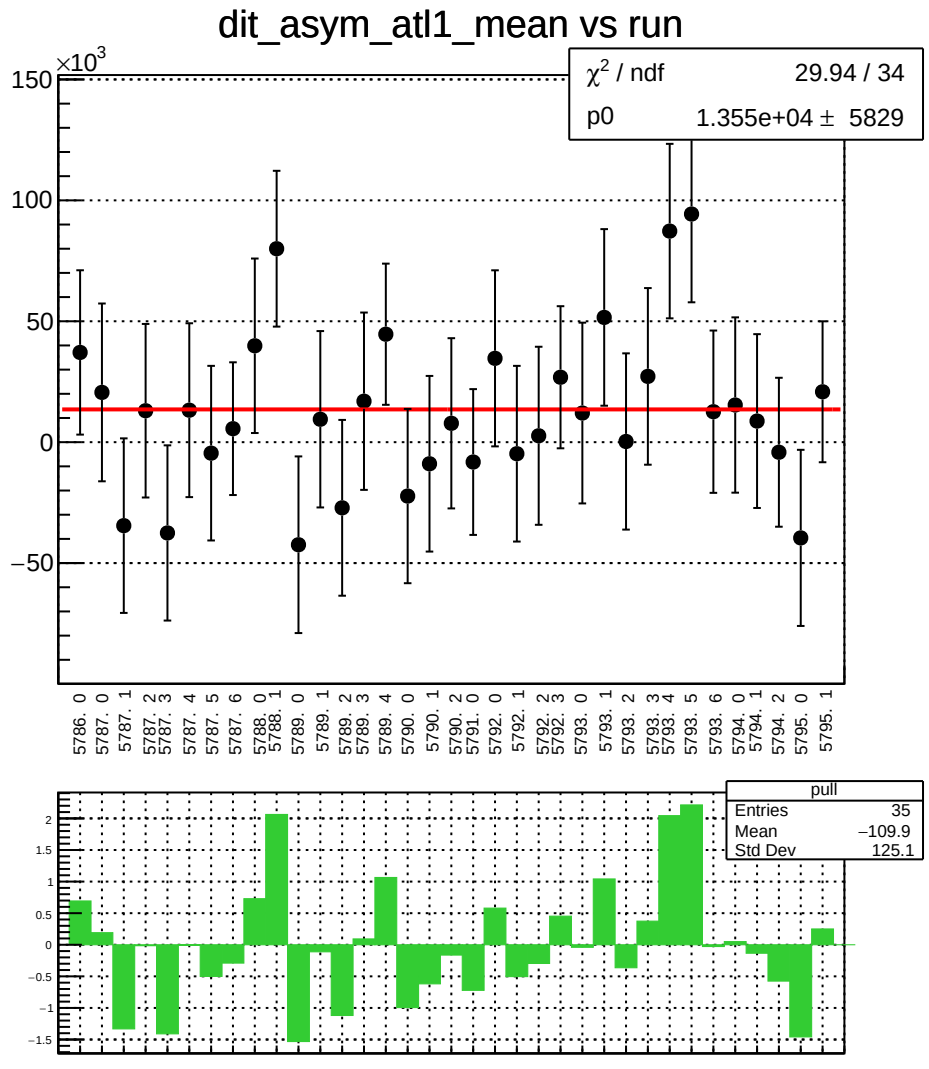

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 31.46 / 34
p0 4456 ± 2374
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 48.18
Std Dev 33.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

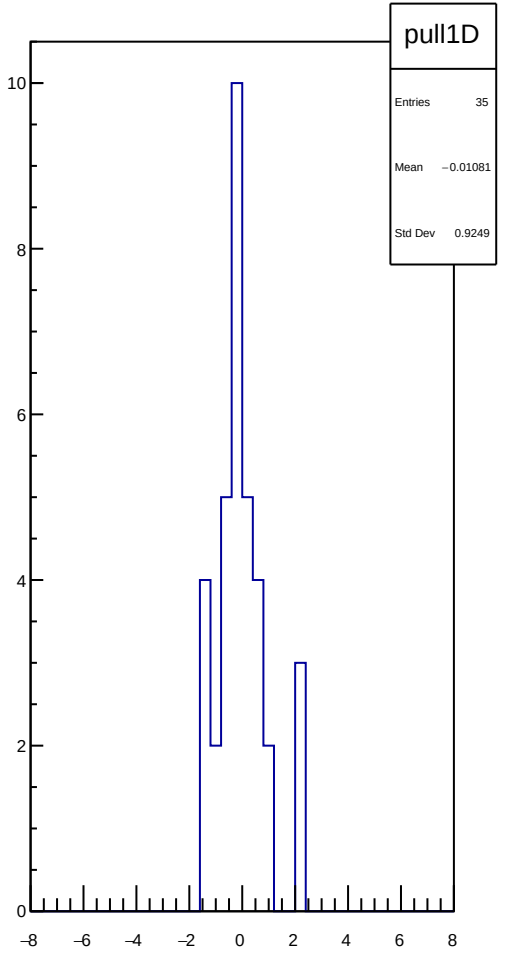

pull1D
Entries 35
Mean 0.03602
Std Dev 0.9473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

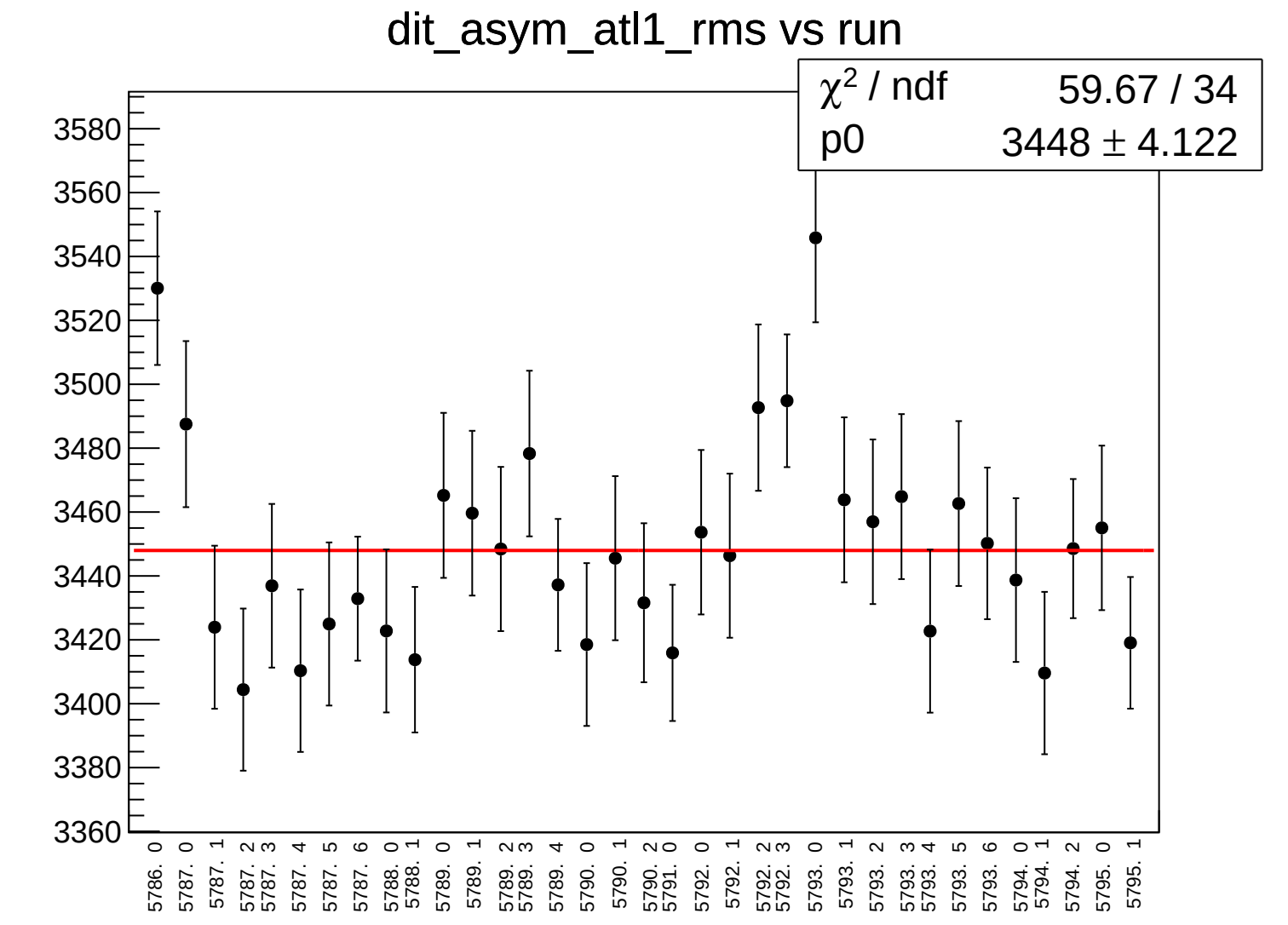

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.09e+04 / 34
p0 1393 ± 1.679
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

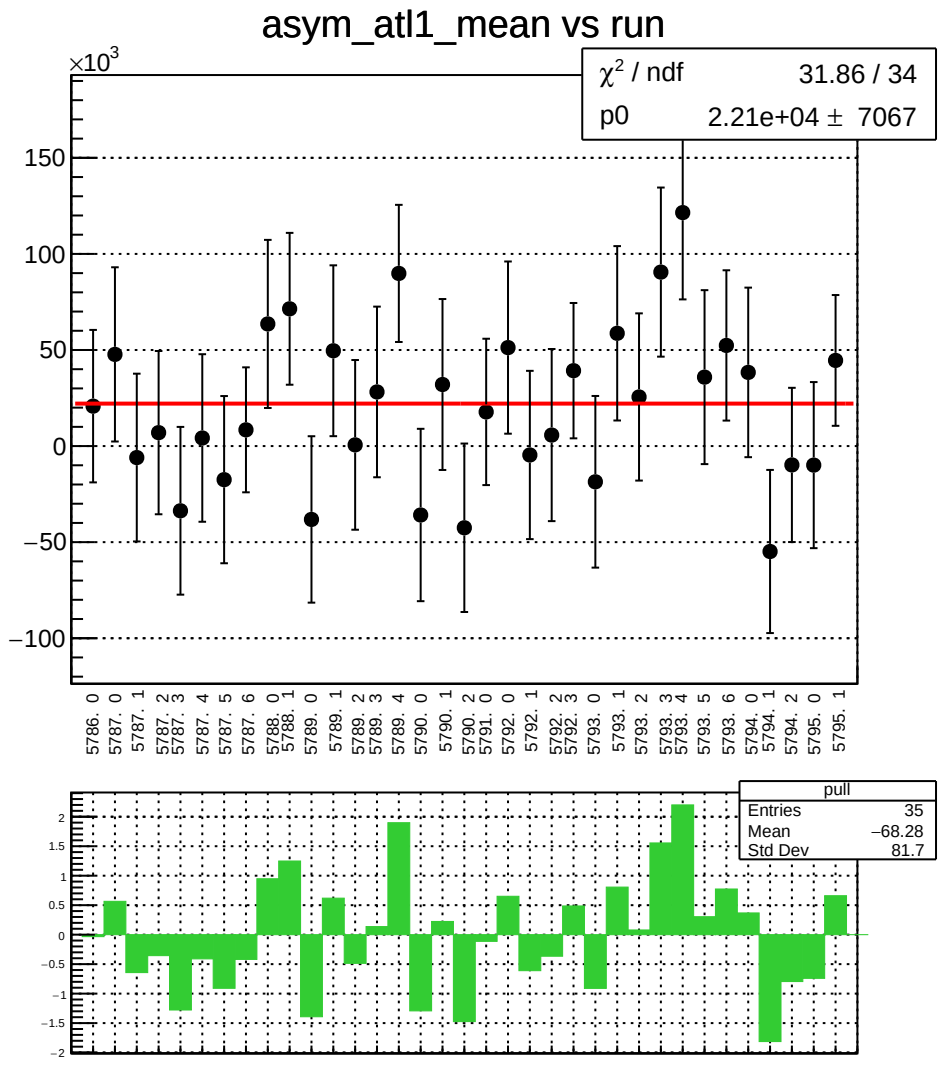

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.98 / 34
p0 1.027e+04 ± 3758
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 61.33
Std Dev 51.38
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean 0.01617
Std Dev 0.9996
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

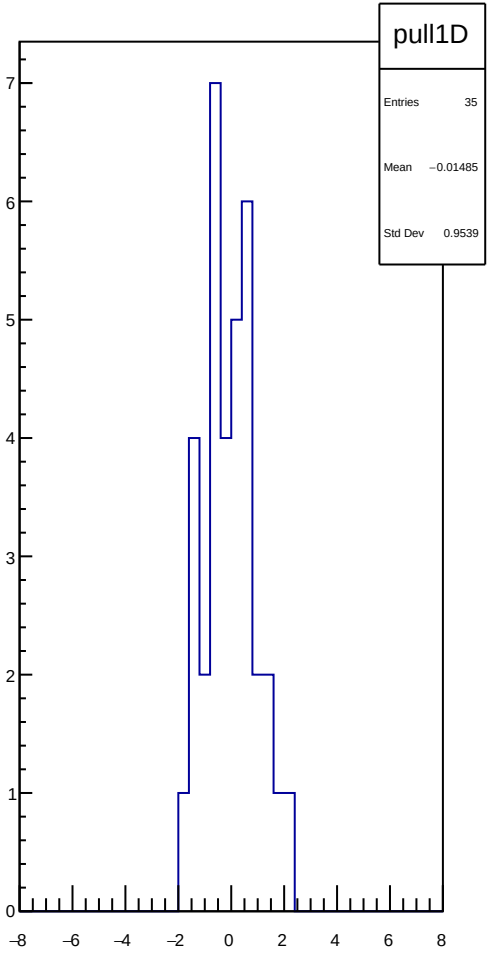

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4932 / 34
p0 2215 ± 2.658
3400
3200
3000
2800
2600
2400
2200
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

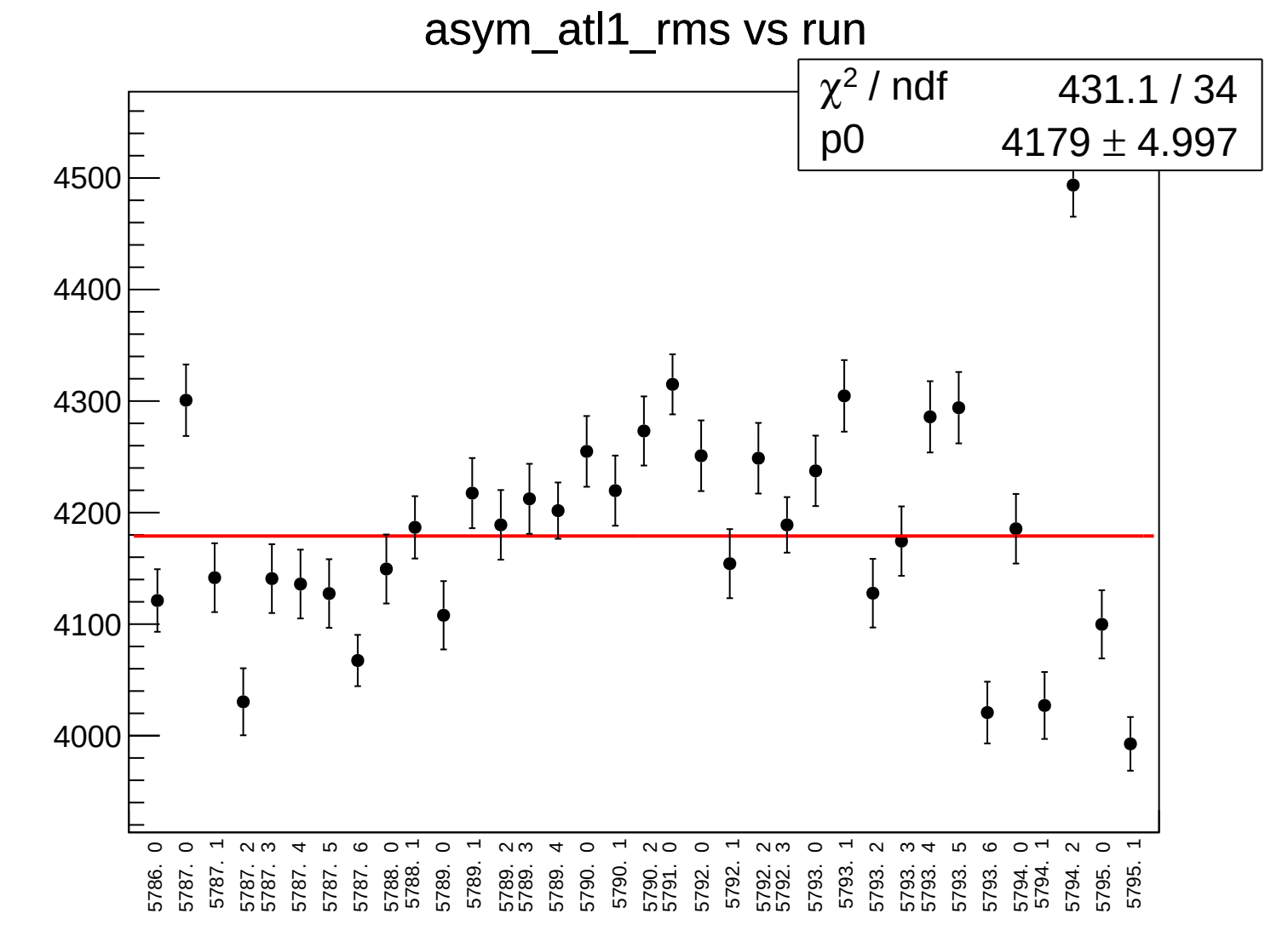

dit_asym_atl1_mean vs run
×10^3
150
100
50
0
−50
χ² / ndf 29.94 / 34
p0 1.355e+04 ± 5829
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −109.9
Std Dev 125.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

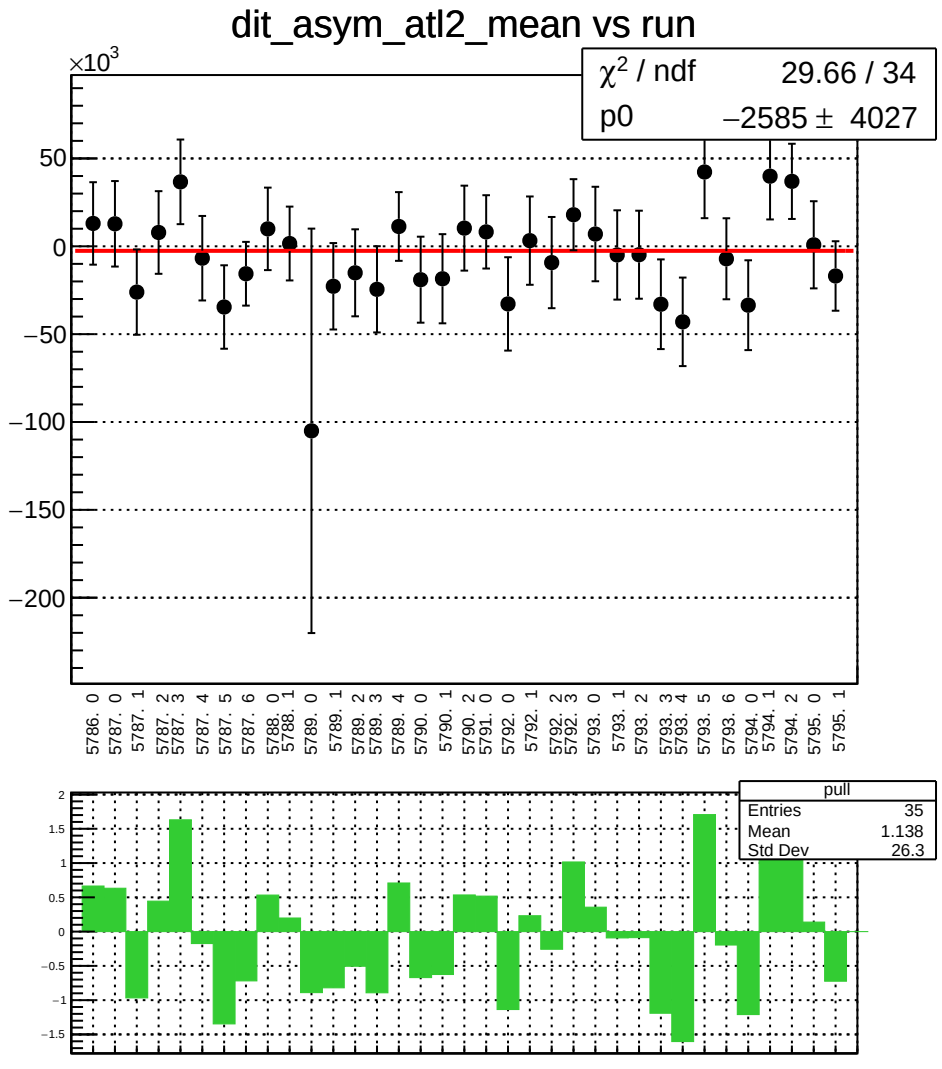

pull1D
Entries 35
Mean −0.01081
Std Dev 0.9249
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

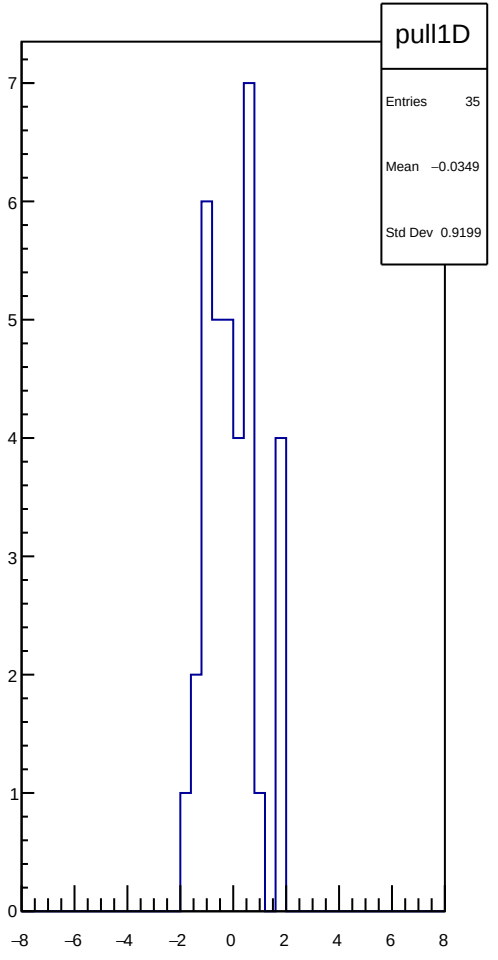

dit_asym_atl1_rms vs run
χ² / ndf 59.67 / 34
p0 3448 ± 4.122
3580
3560
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

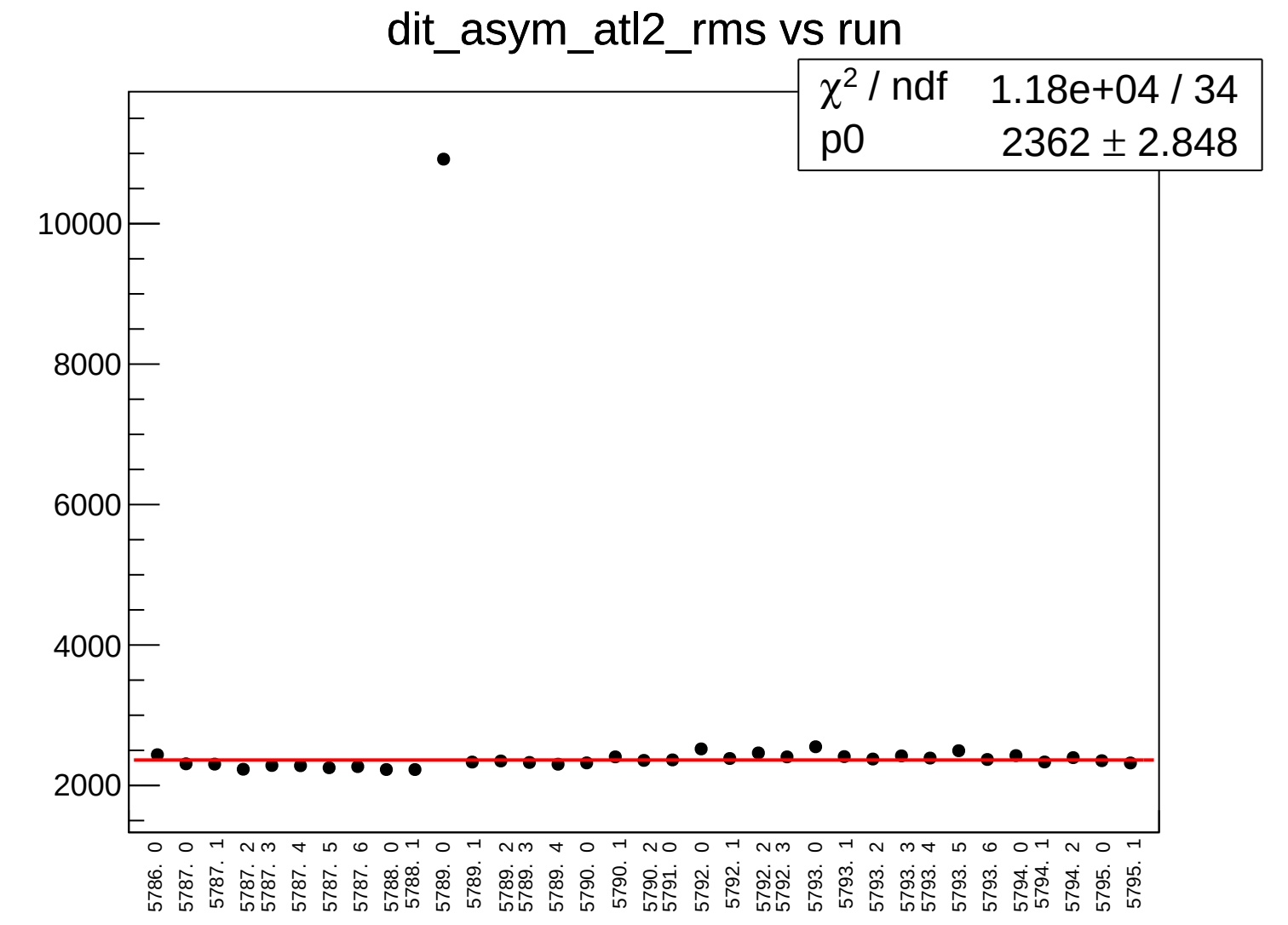

asym_atl1_mean vs run
×10^3
χ² / ndf 31.86 / 34
p0 2.21e+04 ± 7067
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −68.28
Std Dev 81.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

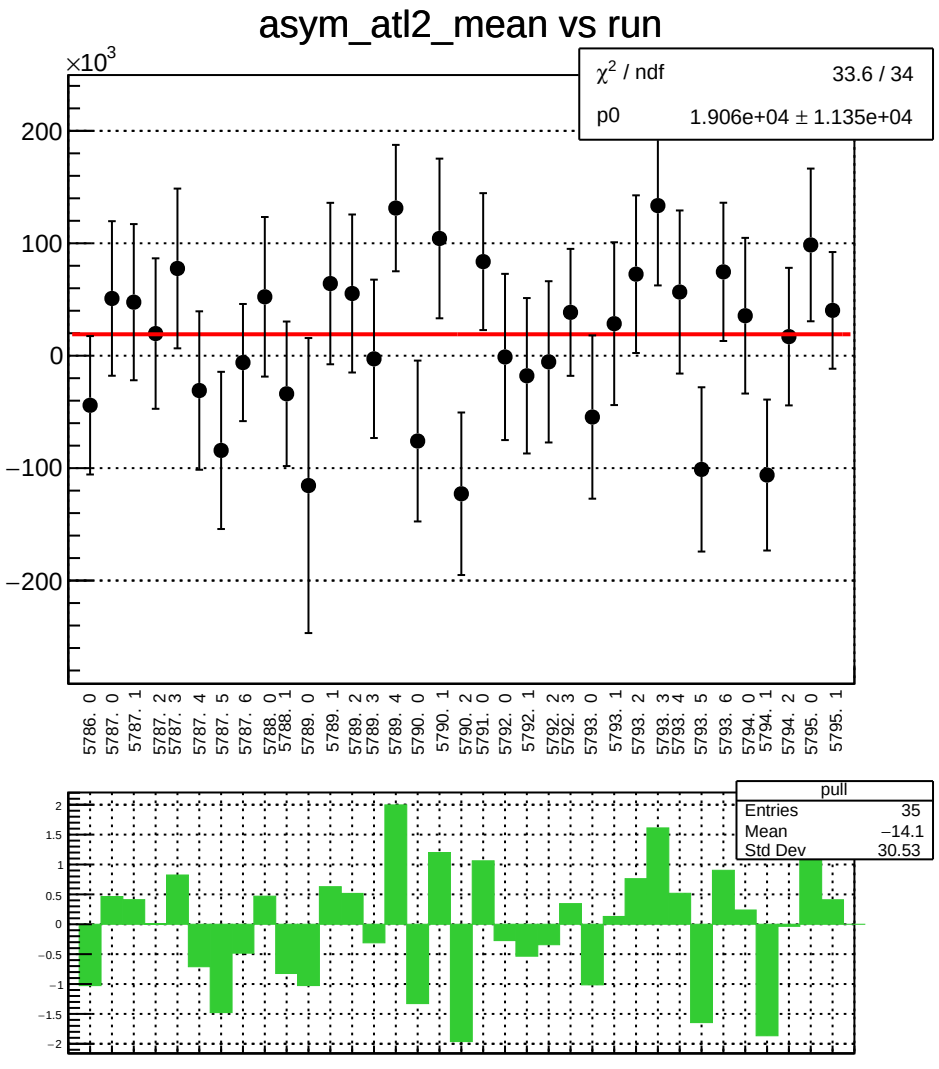

pull1D
Entries 35
Mean −0.01485
Std Dev 0.9539
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

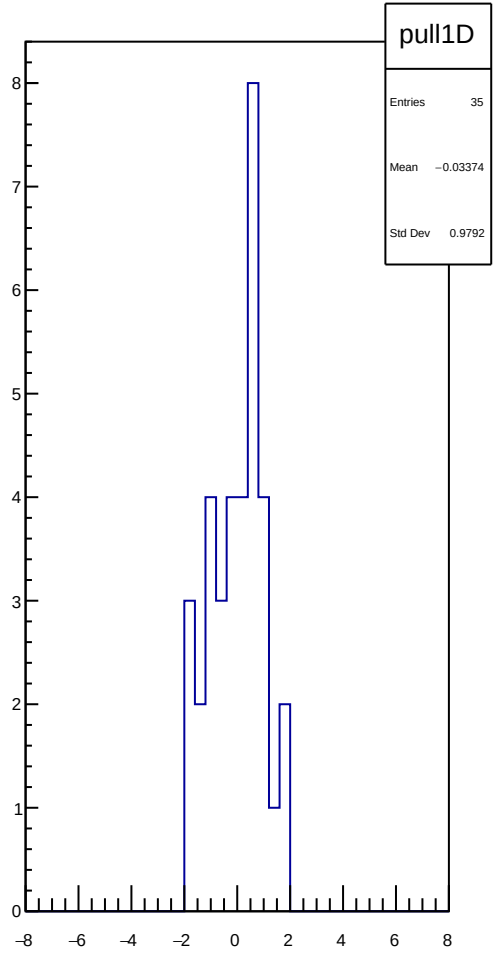

asym_atl1_rms vs run
χ² / ndf 431.1 / 34
p0 4179 ± 4.997
4500
4400
4300
4200
4100
4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

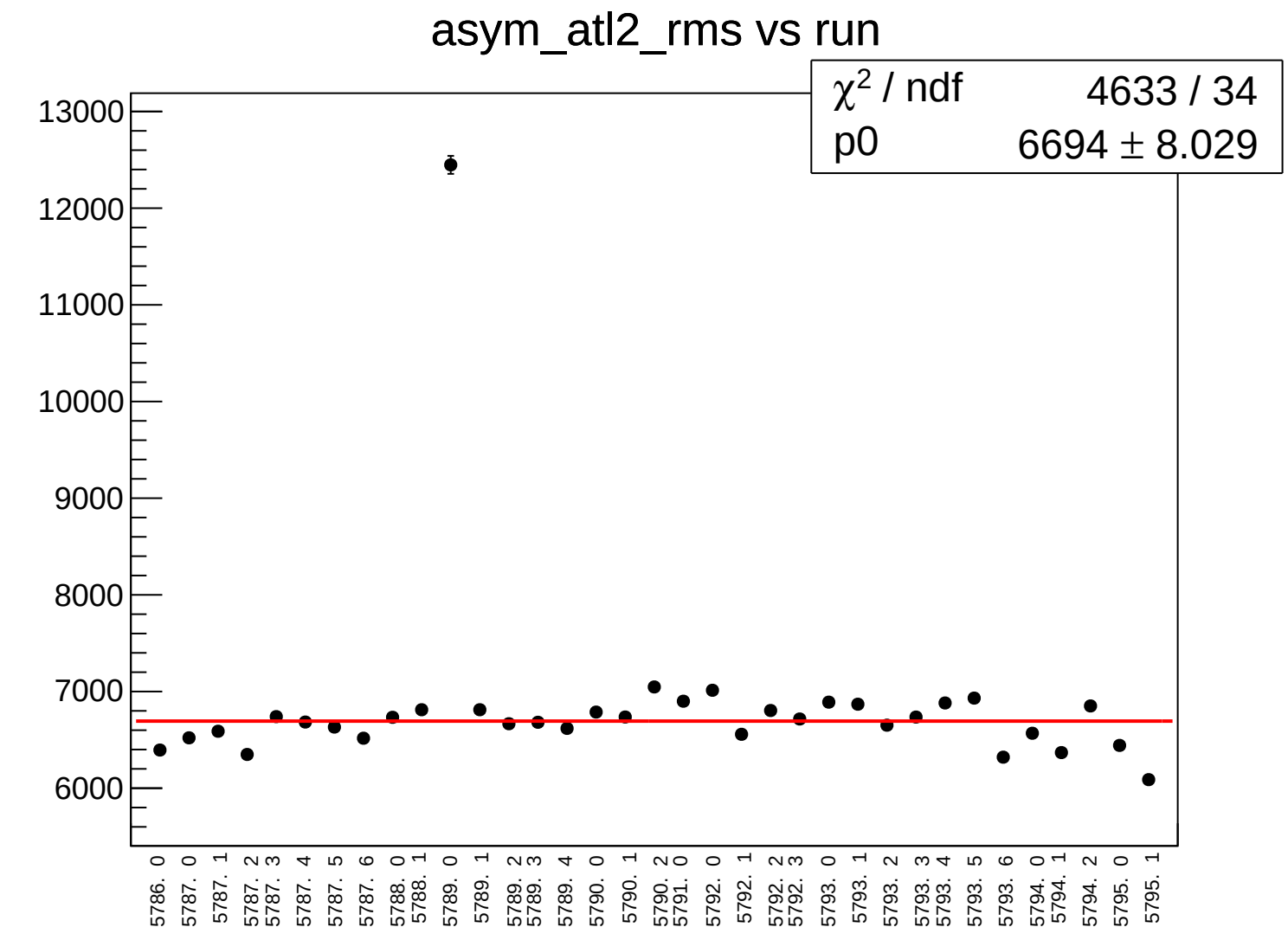

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 29.66 / 34
p0 −2585 ± 4027
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1.138
Std Dev 26.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

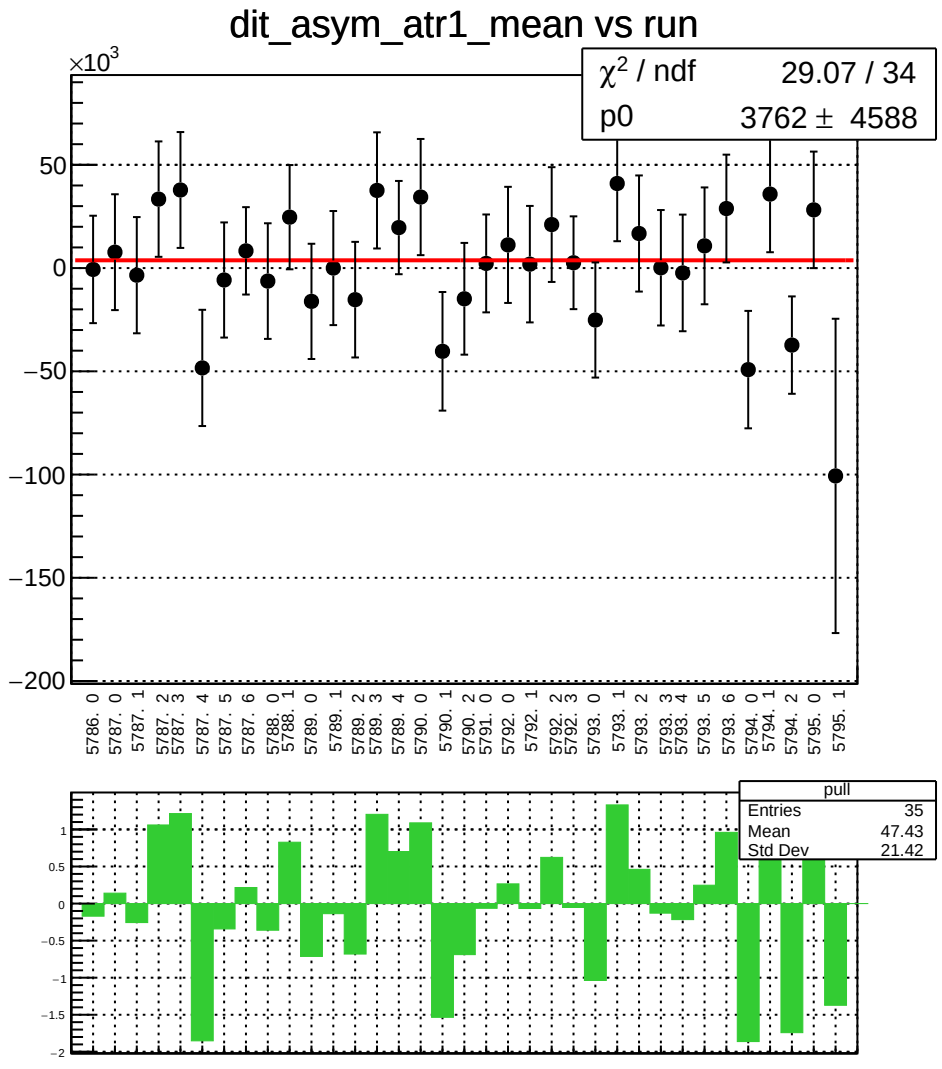

pull1D
Entries 35
Mean −0.0349
Std Dev 0.9199
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

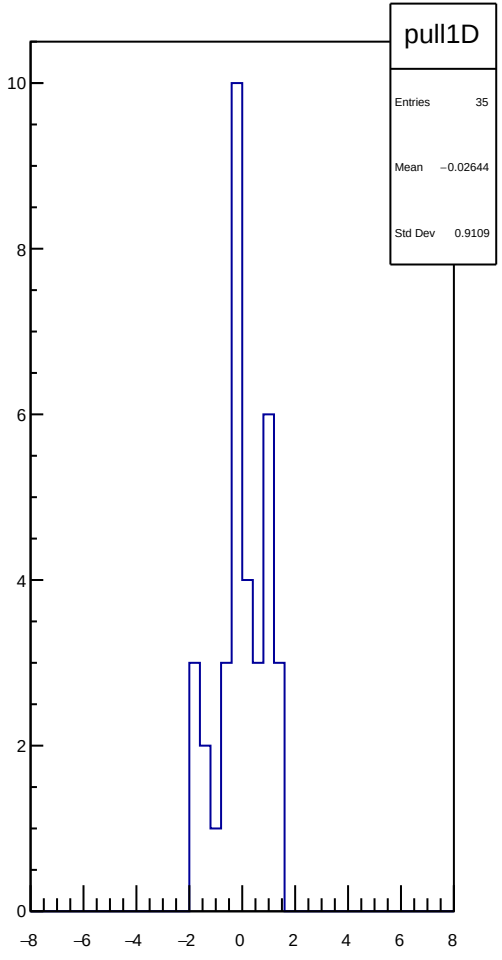

dit_asym_atl2_rms vs run
χ² / ndf 1.18e+04 / 34
p0 2362 ± 2.848
10000
8000
6000
4000
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

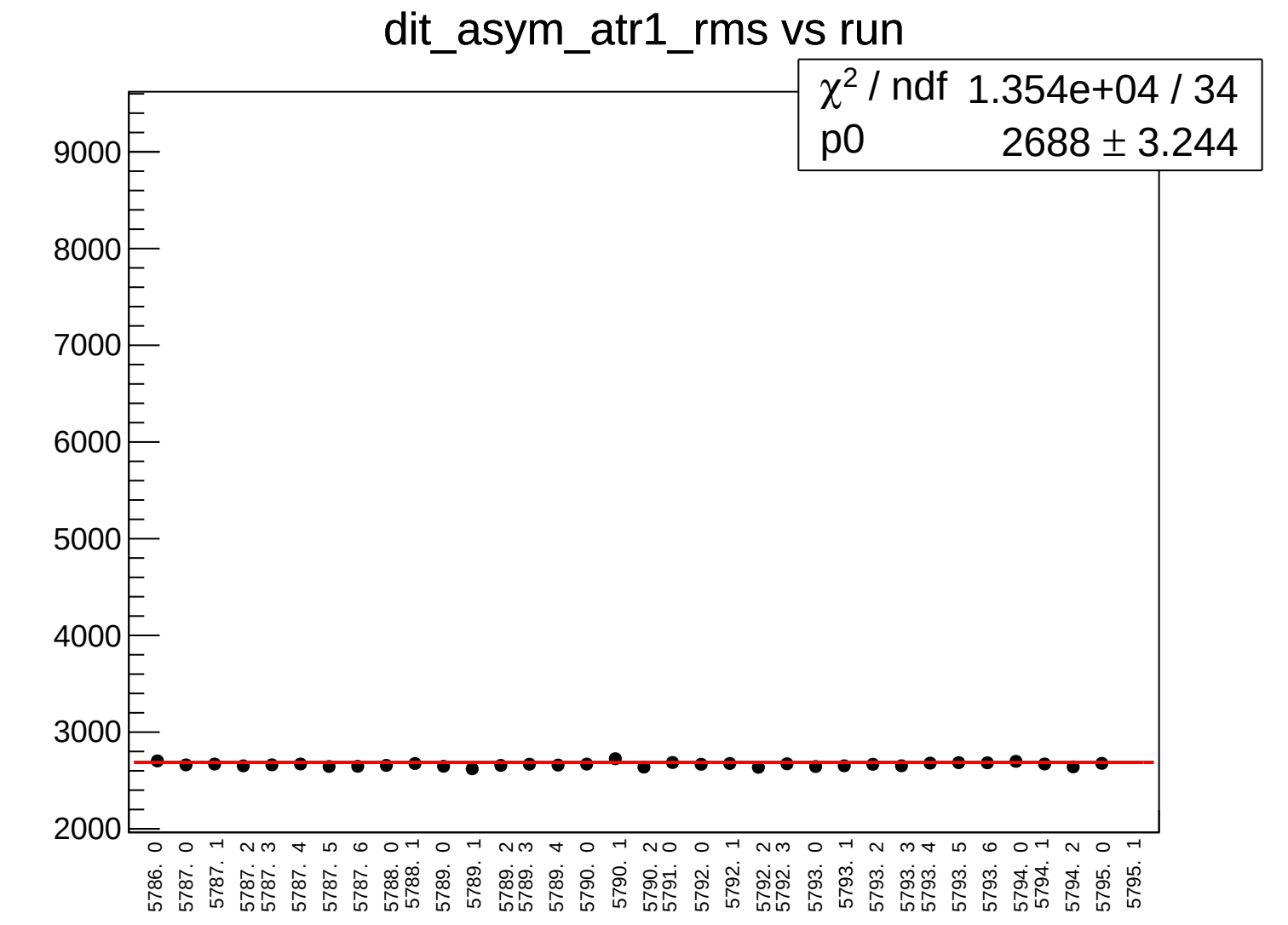

asym_atl2_mean vs run
×10^3
χ² / ndf 33.6 / 34
p0 1.906e+04 ± 1.135e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −14.1
Std Dev 30.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

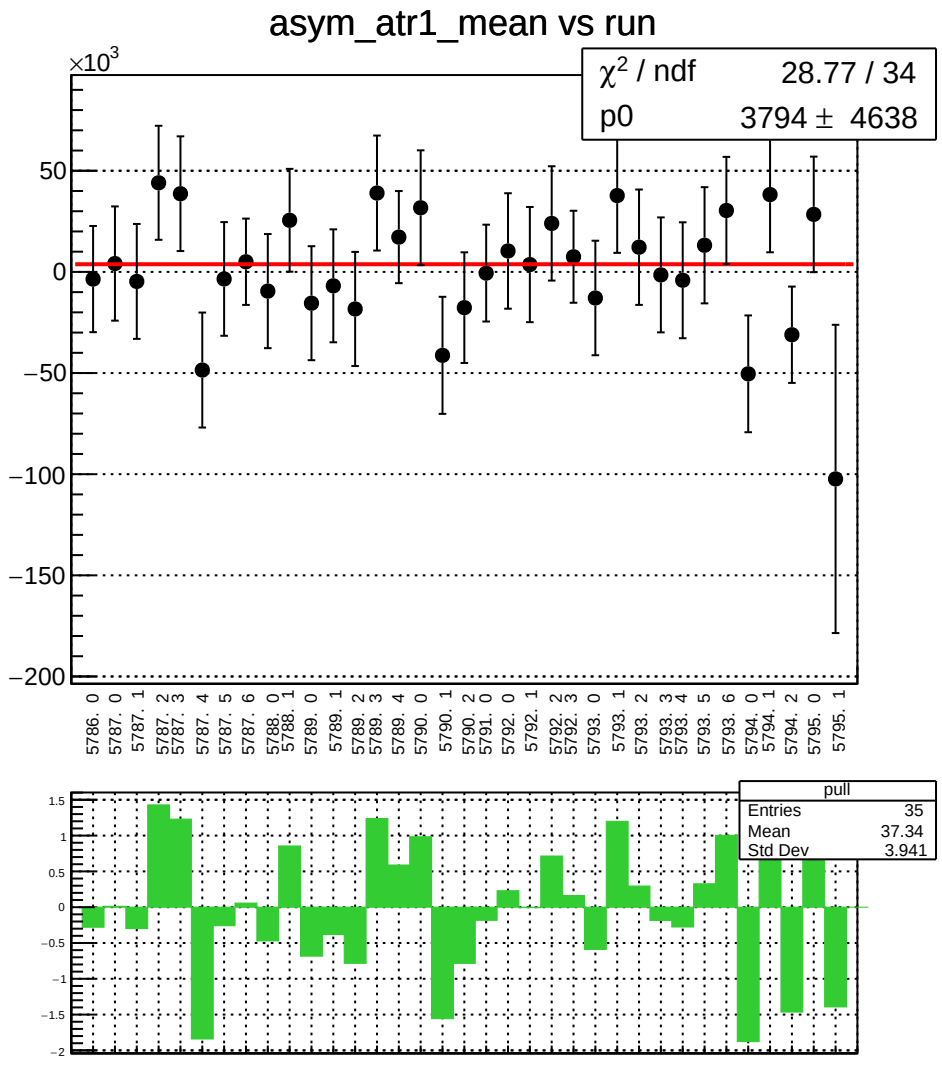

pull1D
Entries 35
Mean −0.03374
Std Dev 0.9792
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

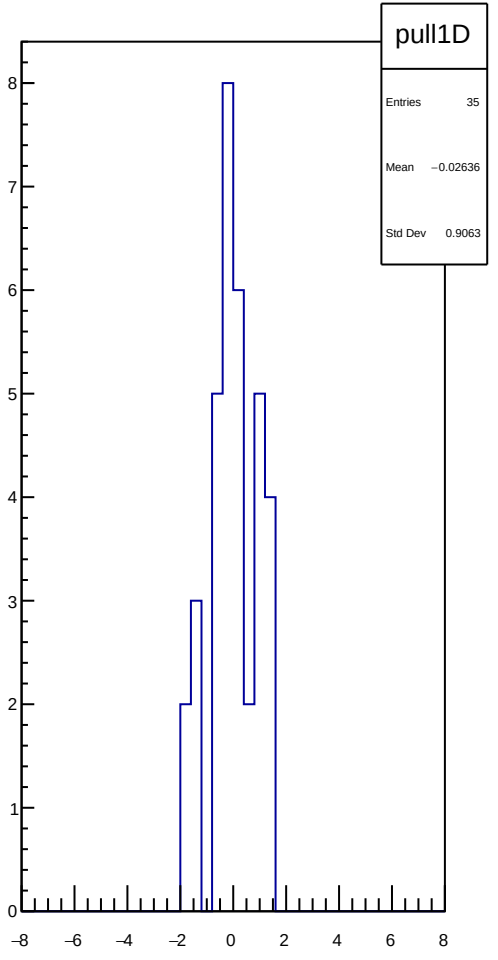

asym_atl2_rms vs run
χ² / ndf 4633 / 34
p0 6694 ± 8.029
13000
12000
11000
10000
9000
8000
7000
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

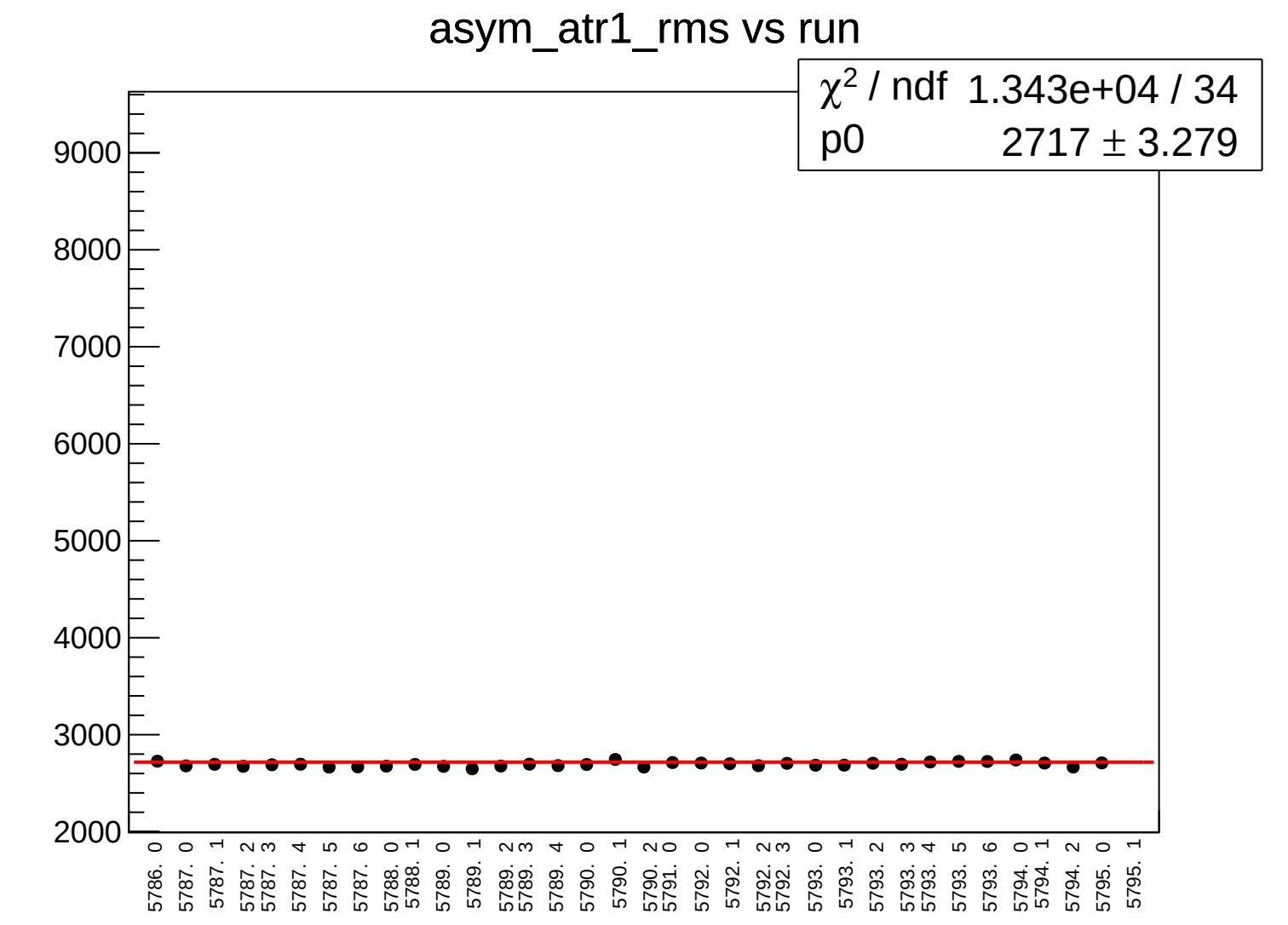

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 29.07 / 34
p0 3762 ± 4588
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 47.43
Std Dev 21.42
1
0.5
0
−0.5
−1
−1.5
−2

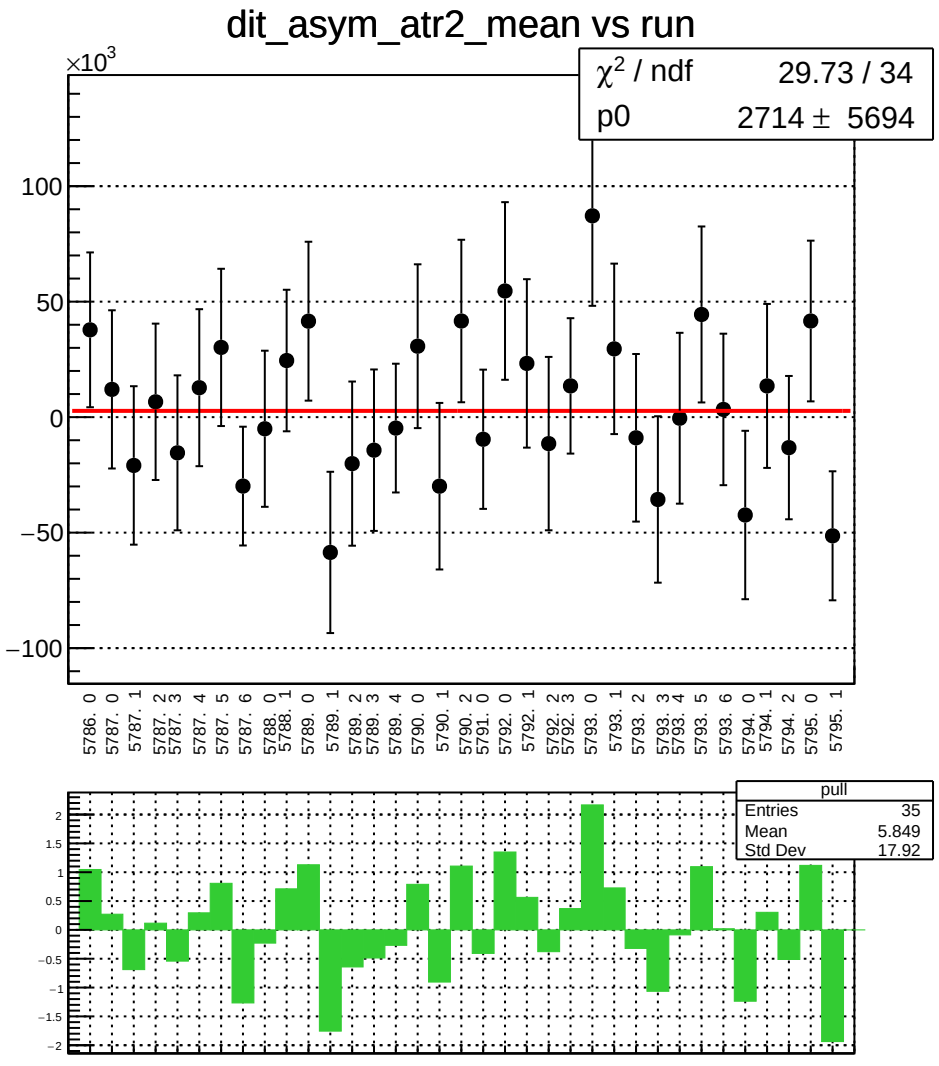

pull1D
Entries 35
Mean −0.02644
Std Dev 0.9109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

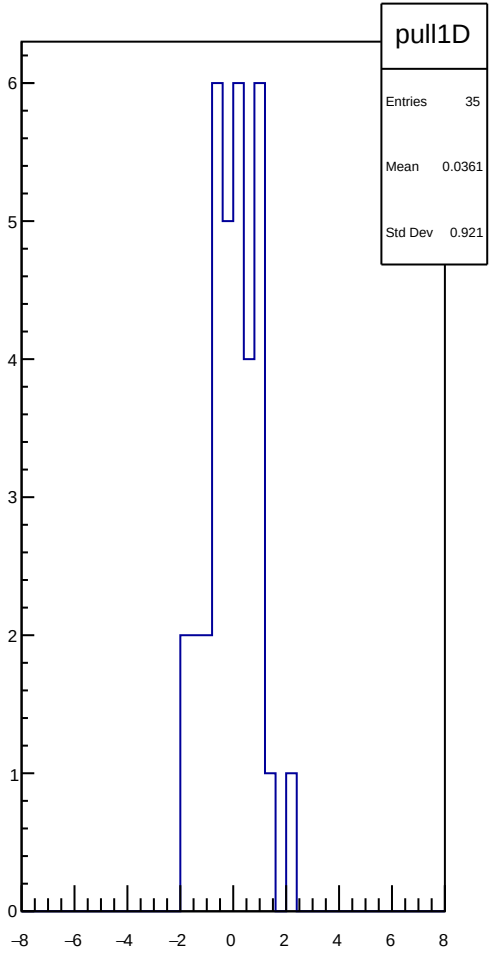

dit_asym_atr1_rms vs run
χ² / ndf 1.354e+04 / 34
p0 2688 ± 3.244
9000
8000
7000
6000
5000
4000
3000
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

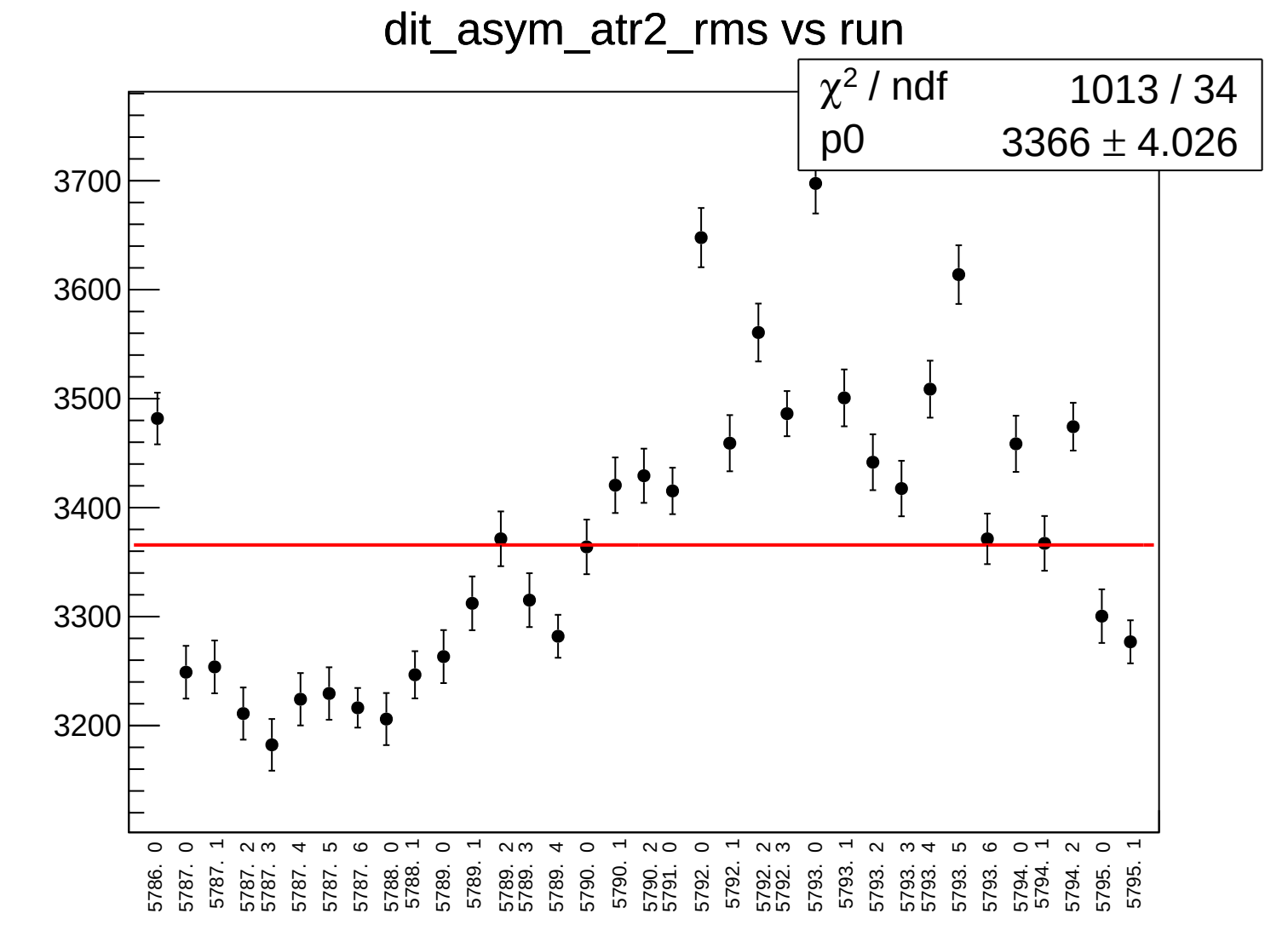

asym_atr1_mean vs run
×10^3
χ² / ndf 28.77 / 34
p0 3794 ± 4638
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 37.34
Std Dev 3.941
1.5
1
0.5
0
−0.5
−1
−1.5
−2

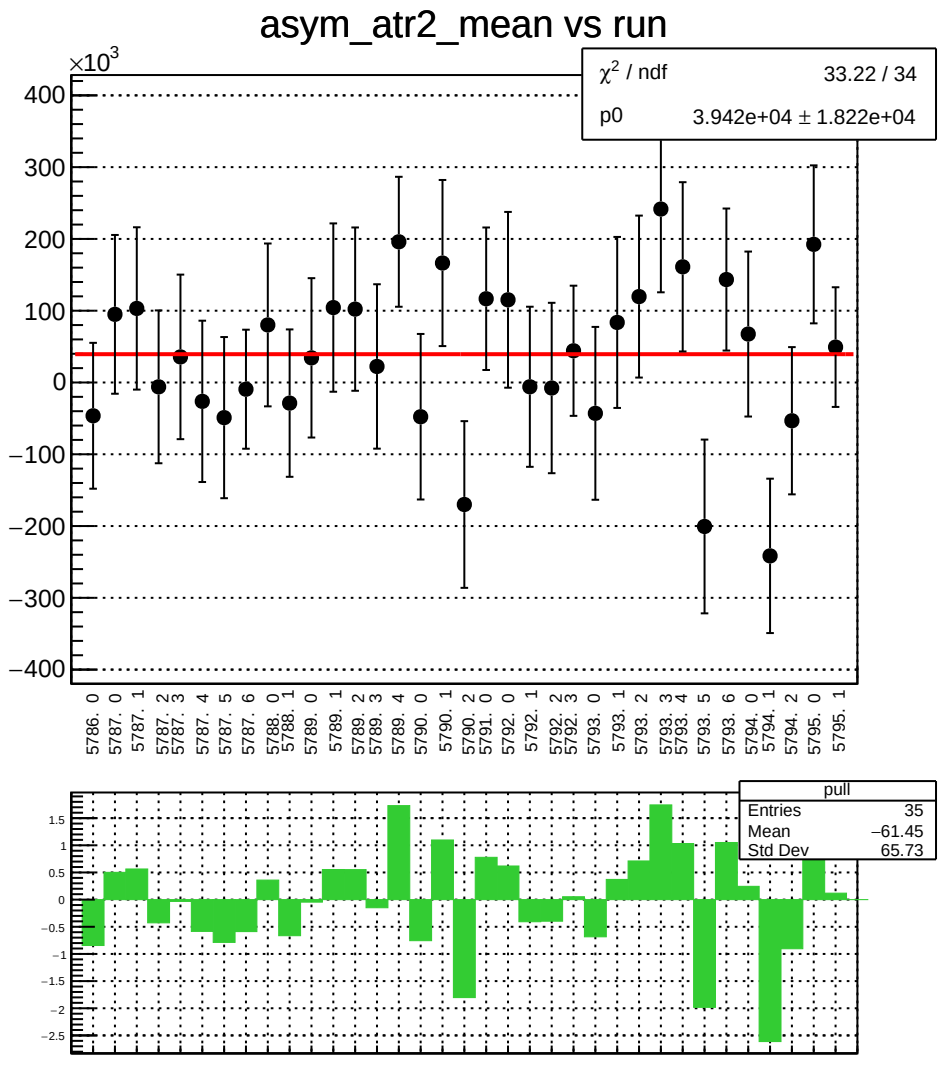

pull1D
Entries 35
Mean −0.02636
Std Dev 0.9063
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

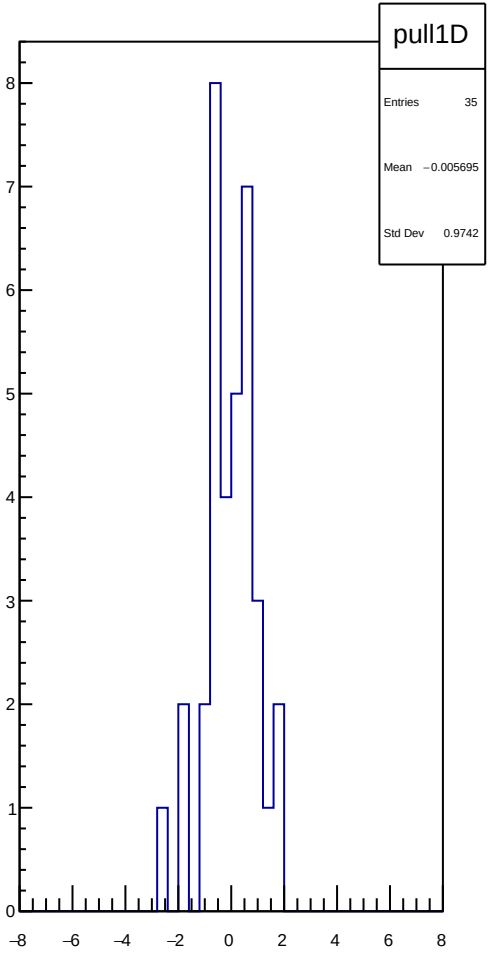

asym_atr1_rms vs run
χ² / ndf 1.343e+04 / 34
p0 2717 ± 3.279
9000
8000
7000
6000
5000
4000
3000
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

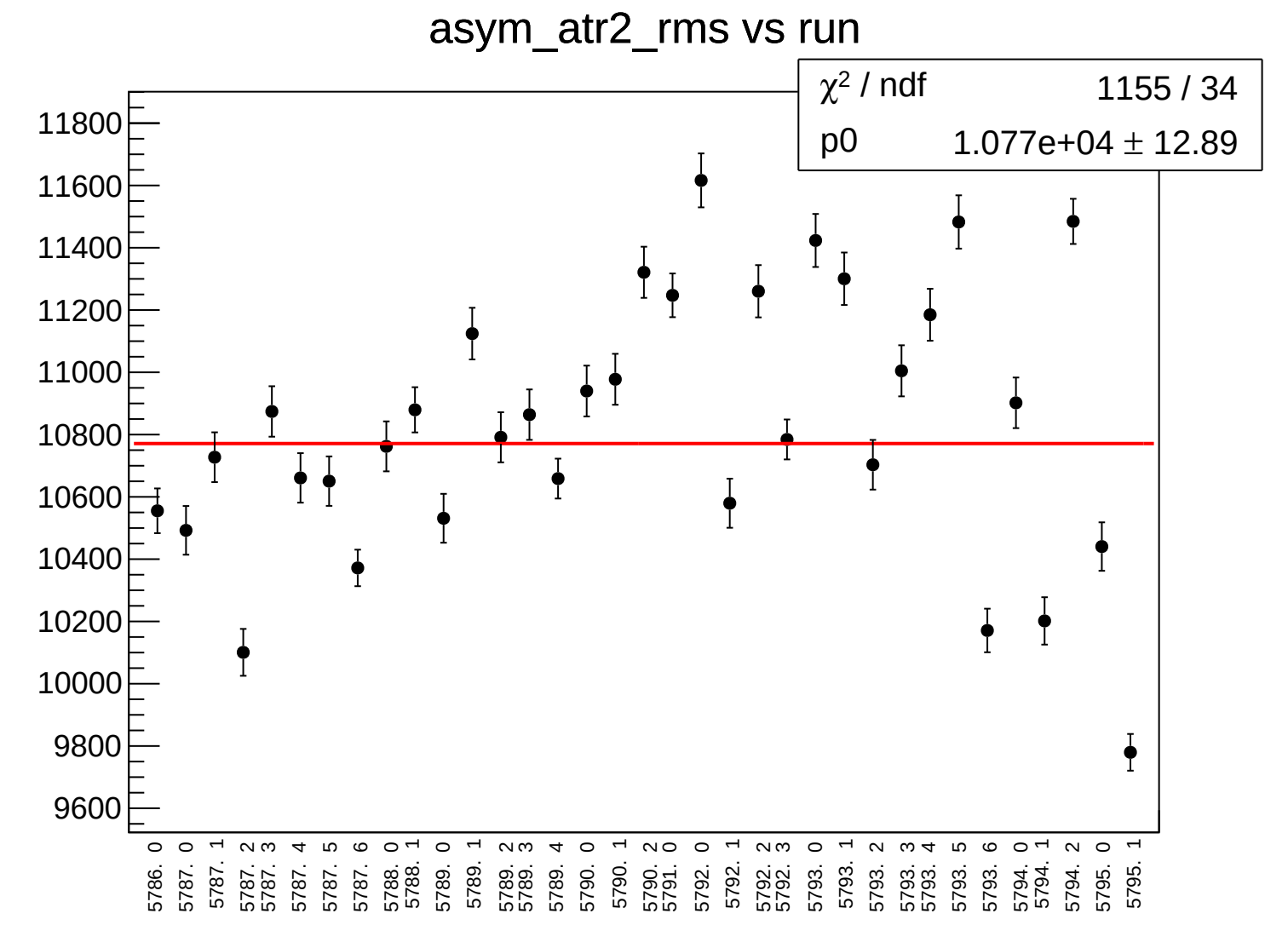

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 29.73 / 34
p0 2714 ± 5694
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 5.849
Std Dev 17.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

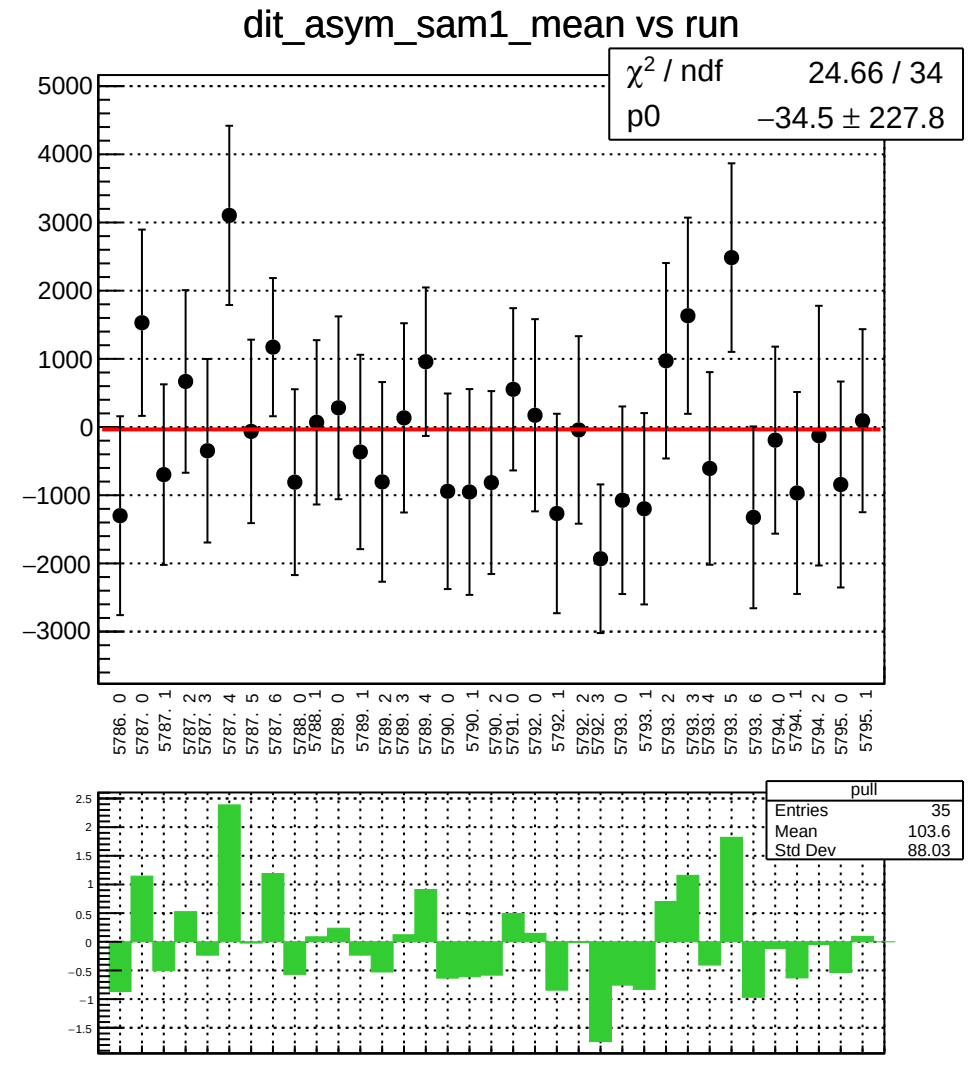

pull1D
Entries 35
Mean 0.0361
Std Dev 0.921
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

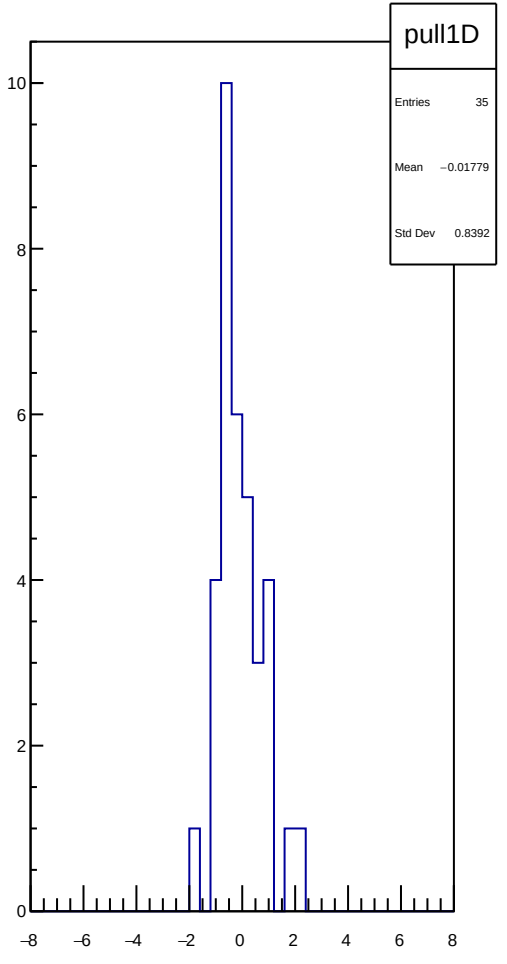

dit_asym_atr2_rms vs run
χ² / ndf 1013 / 34
p0 3366 ± 4.026
3700
3600
3500
3400
3300
3200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

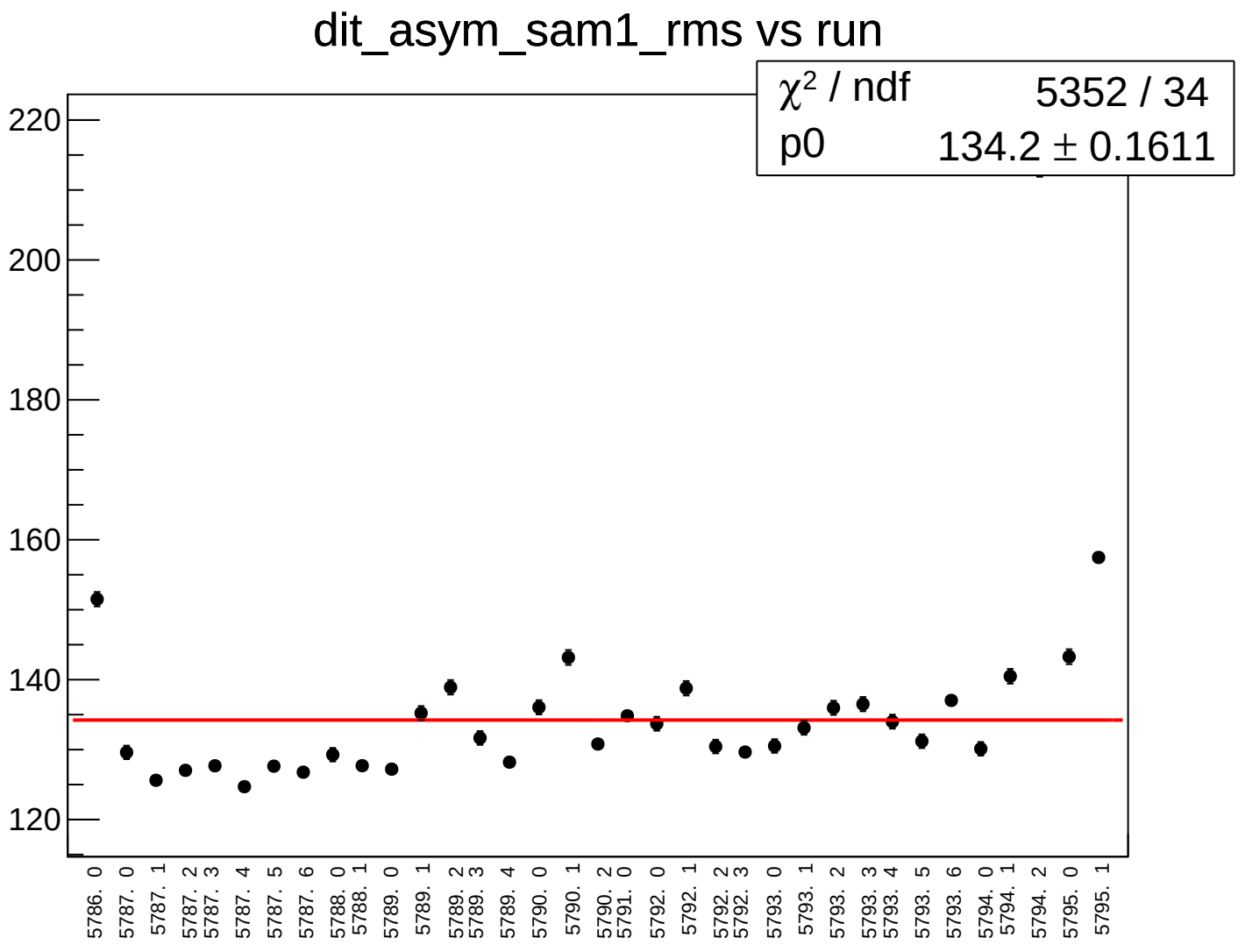

asym_atr2_mean vs run
×10^3
χ² / ndf 33.22 / 34
p0 3.942e+04 ± 1.822e+04
pull
Entries 35
Mean −61.45
Std Dev 65.73

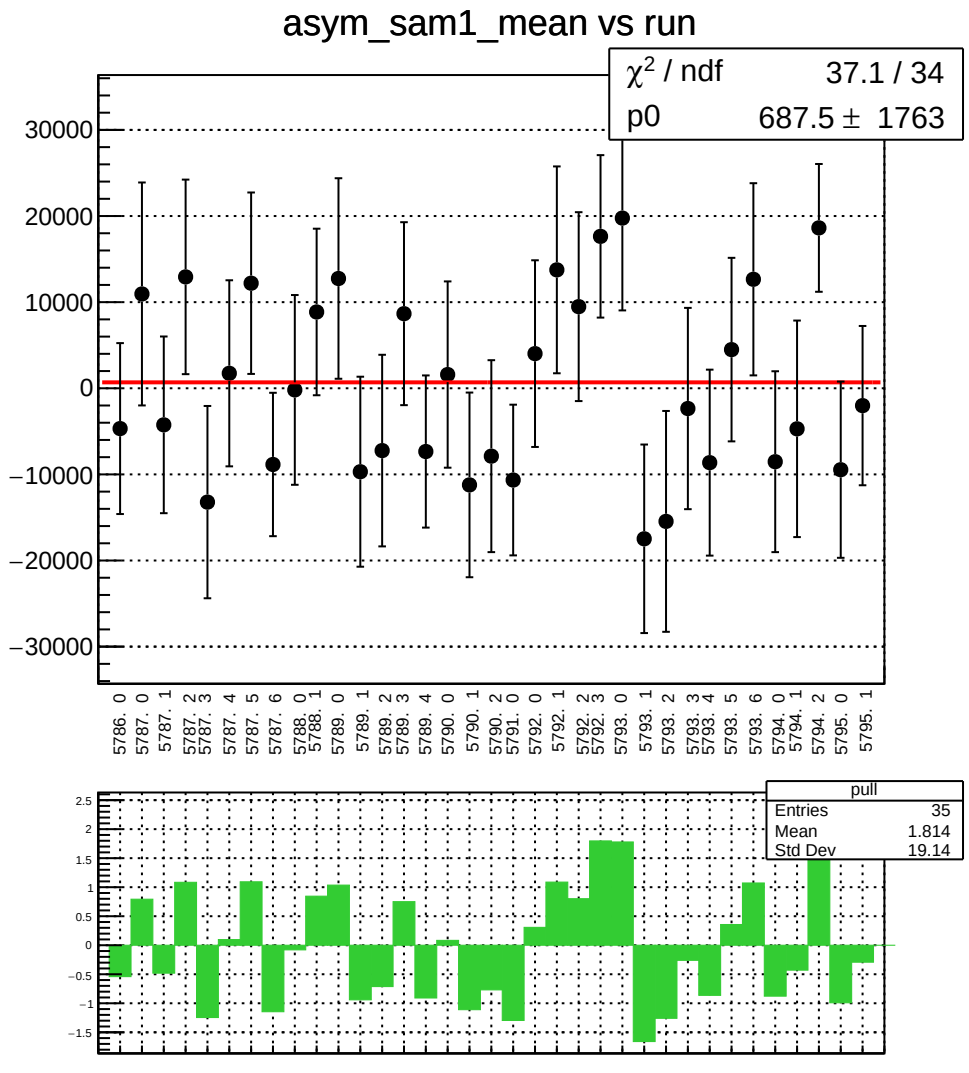

pull1D
Entries 35
Mean −0.005695
Std Dev 0.9742

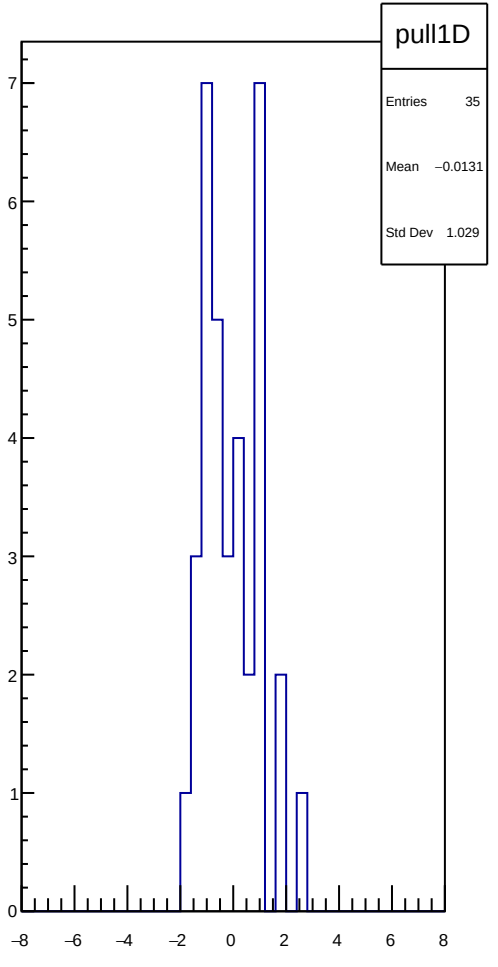

asym_atr2_rms vs run
χ² / ndf 1155 / 34
p0 1.077e+04 ± 12.89
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

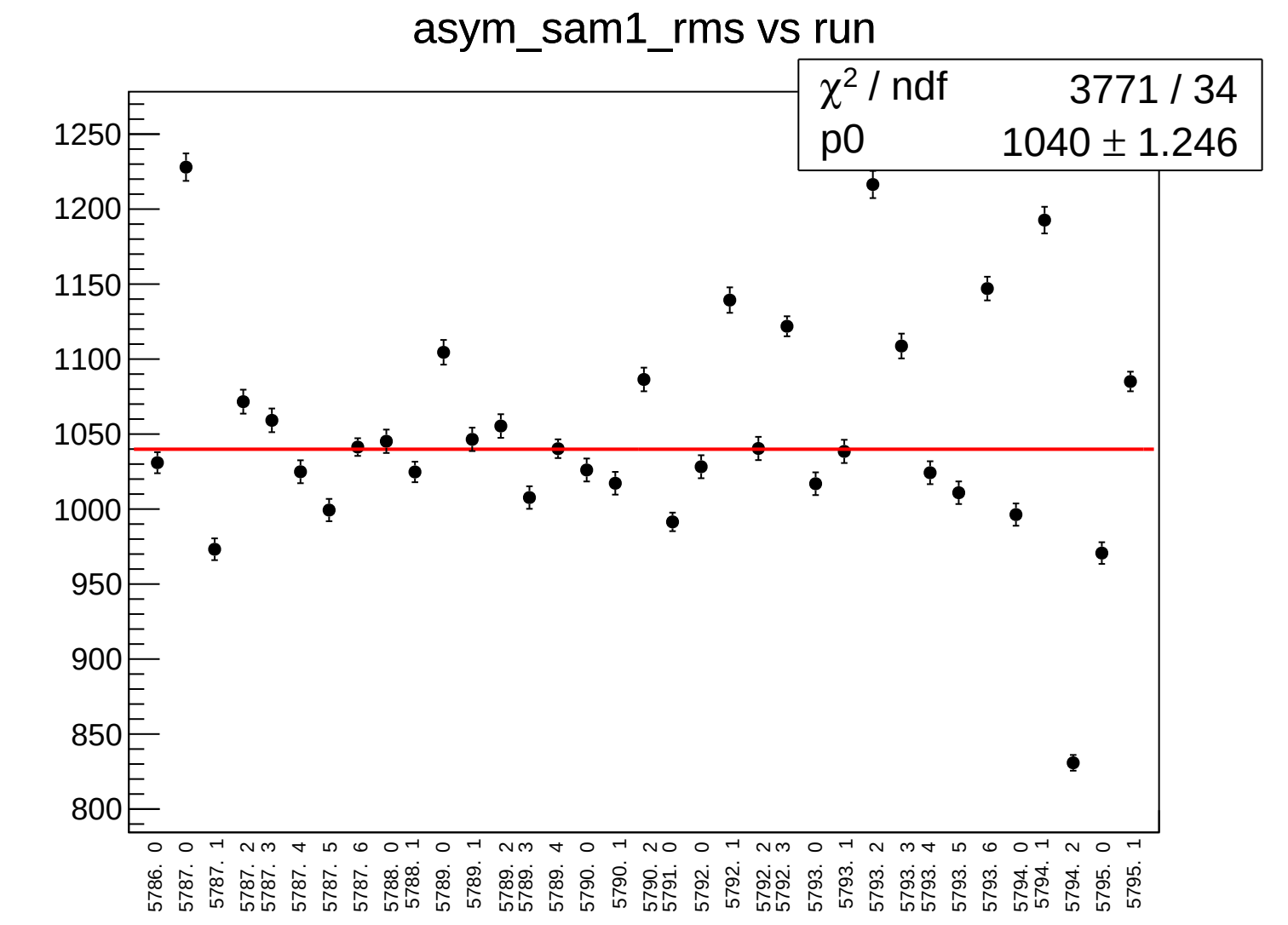

dit_asym_sam1_mean vs run
χ² / ndf 24.66 / 34
p0 −34.5 ± 227.8
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 103.6
Std Dev 88.03
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

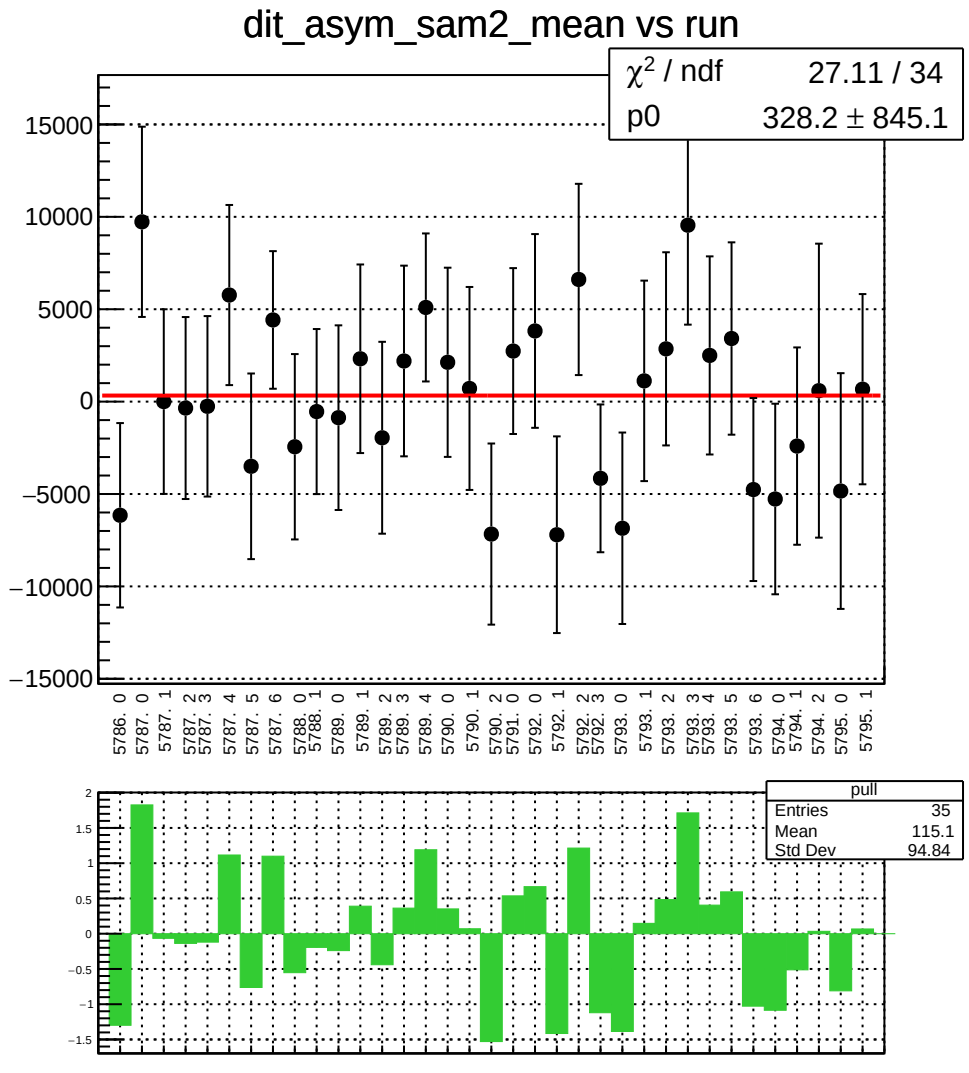

pull1D
Entries 35
Mean −0.01779
Std Dev 0.8392
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

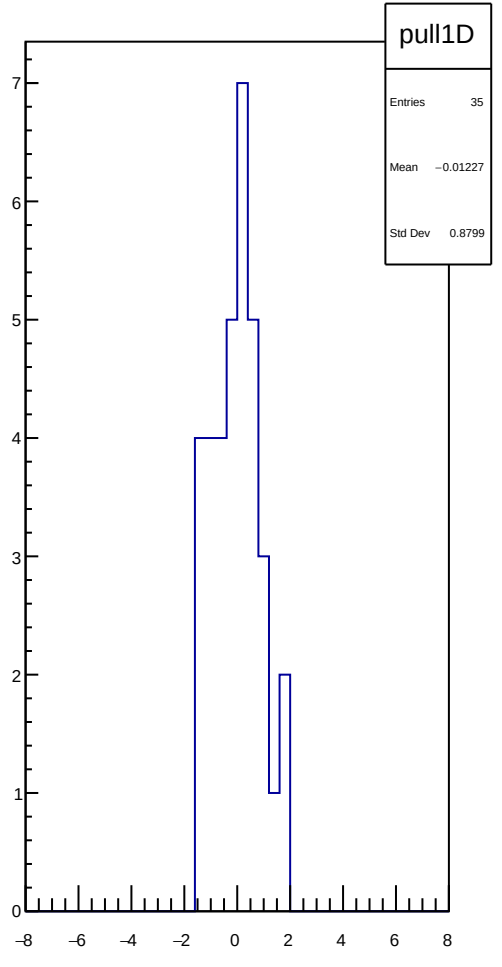

dit_asym_sam1_rms vs run
χ² / ndf 5352 / 34
p0 134.2 ± 0.1611
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

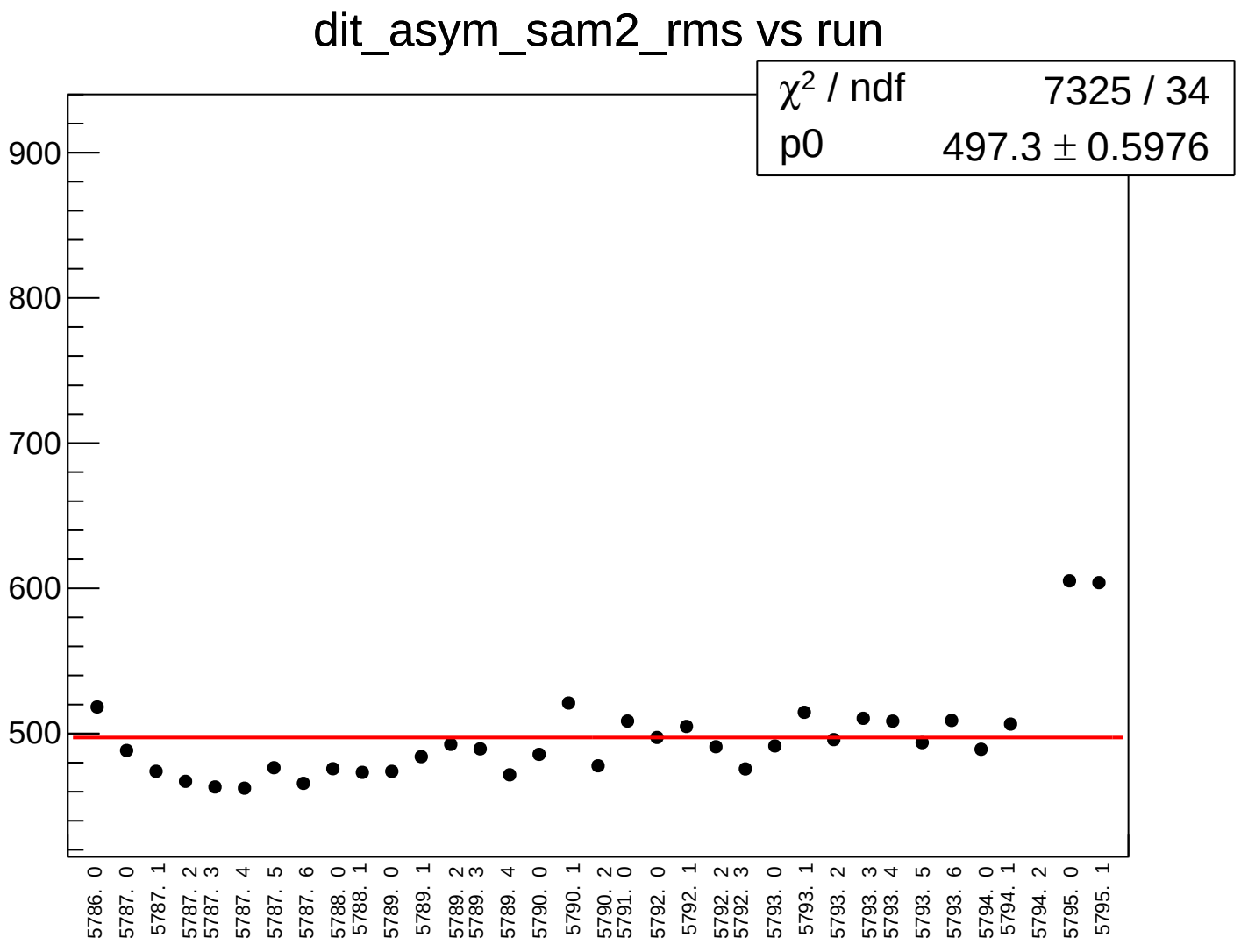

asym_sam1_mean vs run
χ² / ndf 37.1 / 34
p0 687.5 ± 1763
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1.814
Std Dev 19.14
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

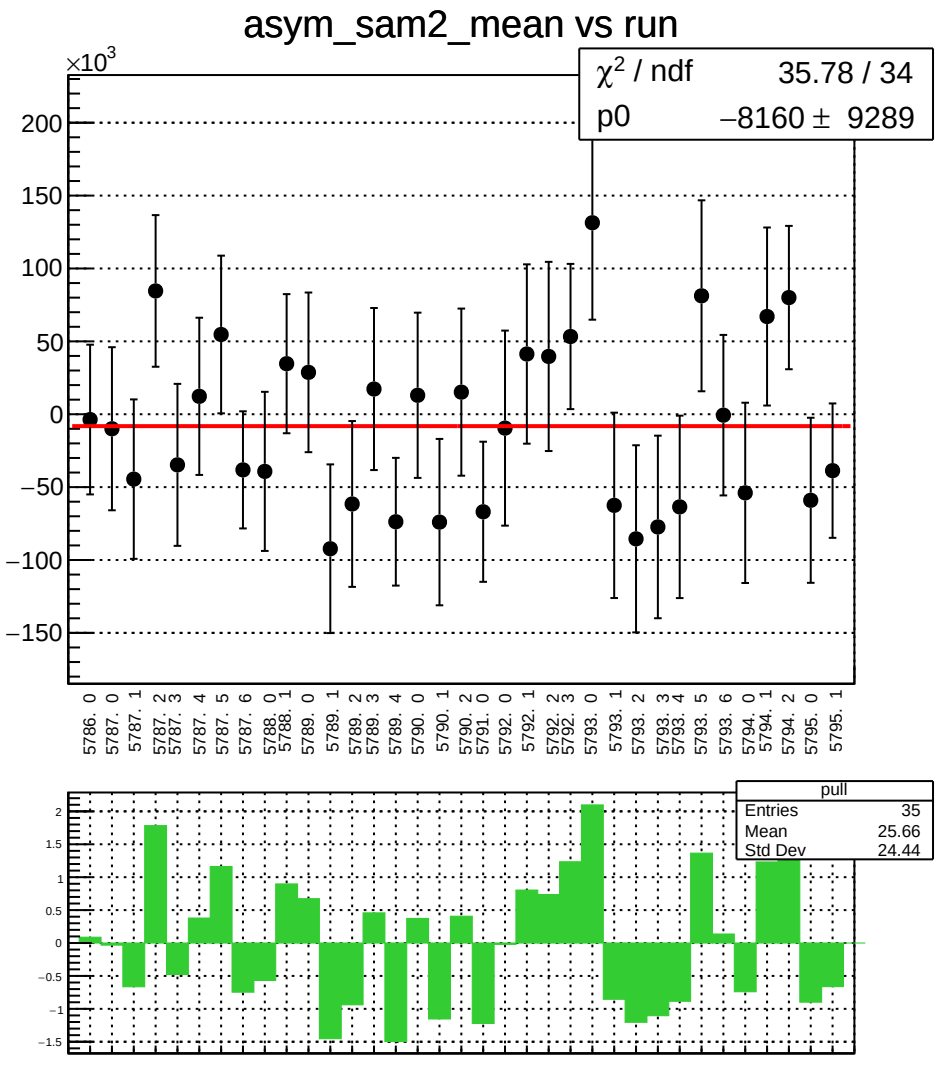

pull1D
Entries 35
Mean −0.0131
Std Dev 1.029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

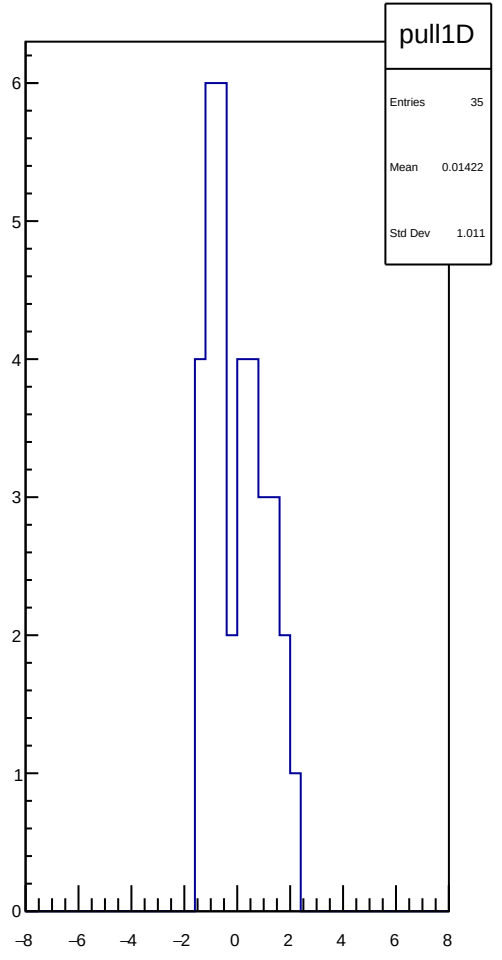

asym_sam1_rms vs run
χ² / ndf 3771 / 34
p0 1040 ± 1.246
1250
1200
1150
1100
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

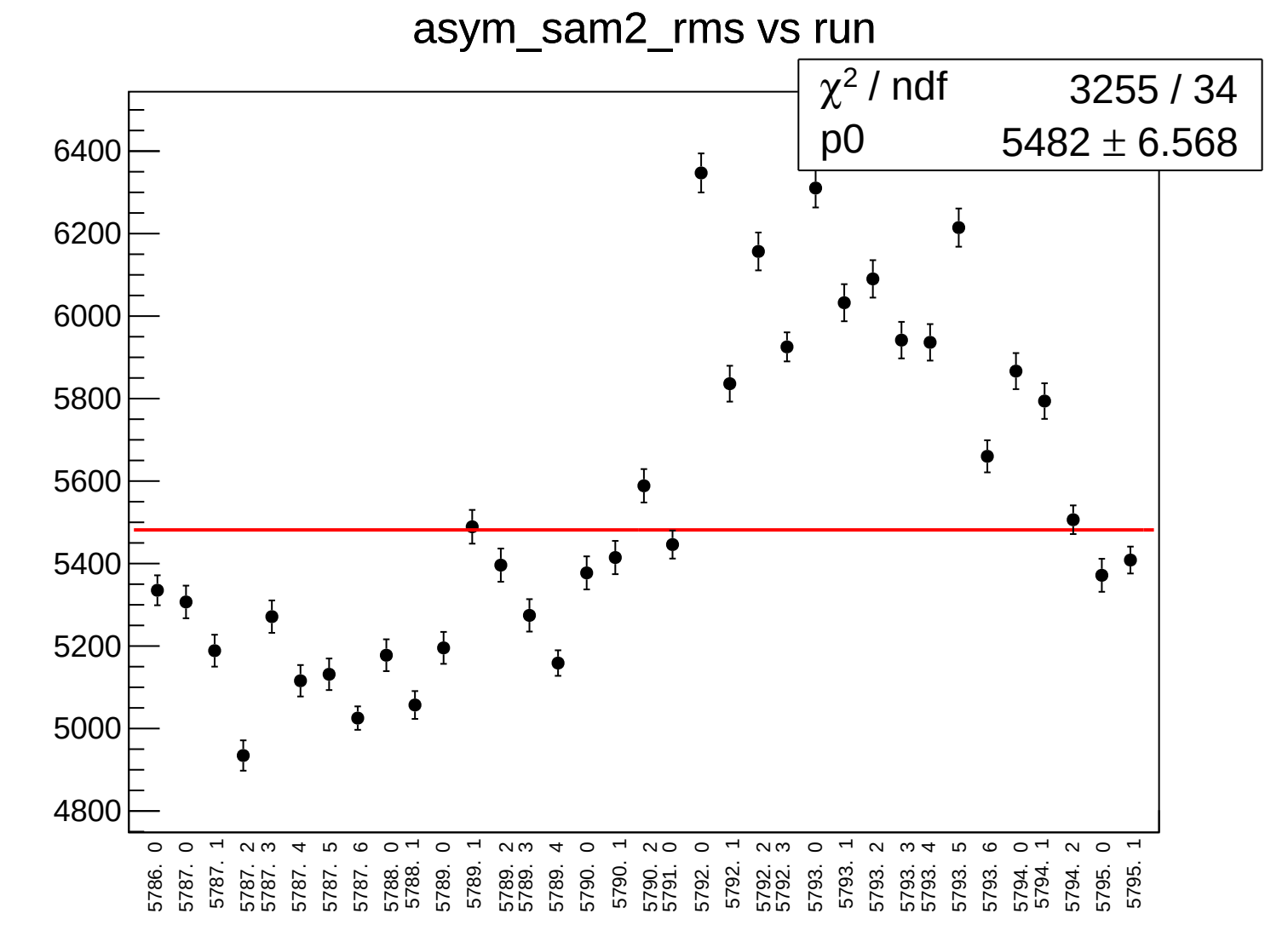

dit_asym_sam2_mean vs run
χ² / ndf 27.11 / 34
p0 328.2 ± 845.1
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 115.1
Std Dev 94.84
2
1.5
1
0.5
0
−0.5
−1
−1.5

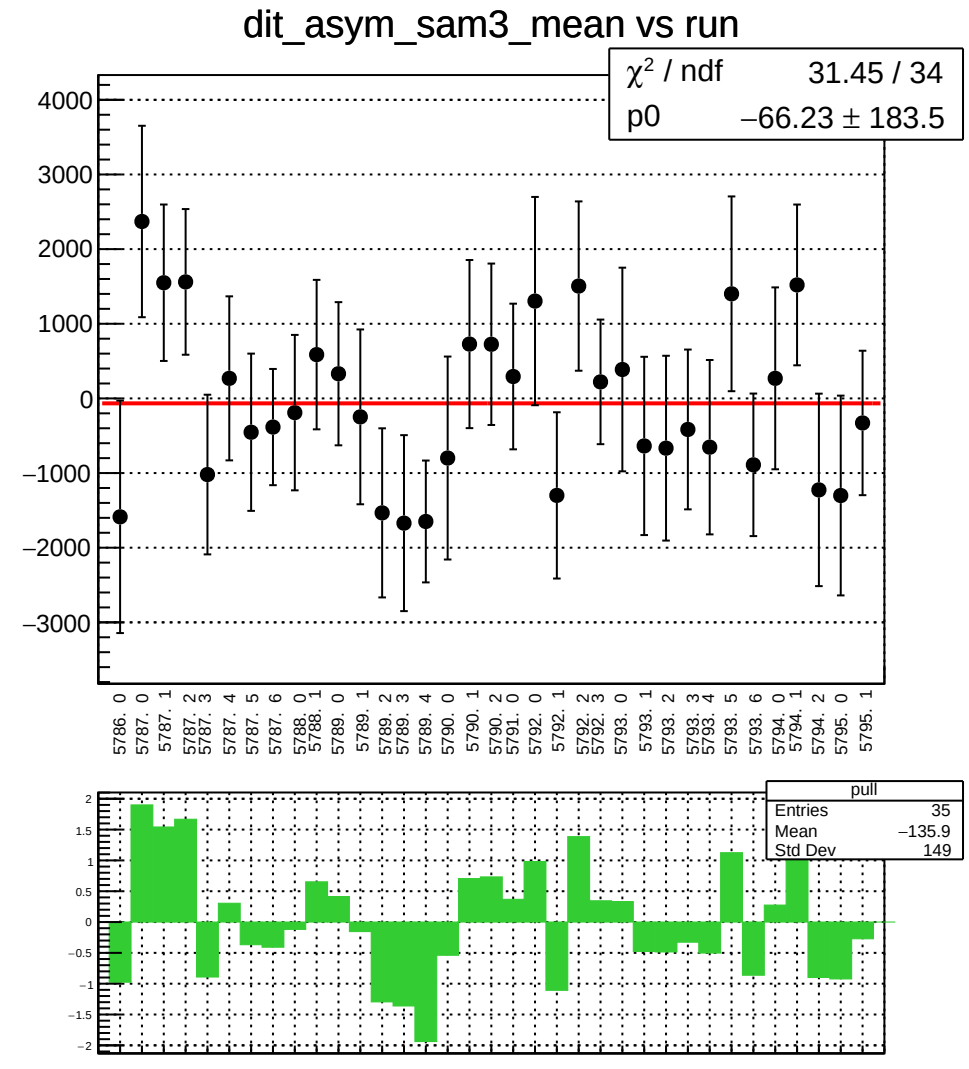

pull1D
Entries 35
Mean −0.01227
Std Dev 0.8799
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

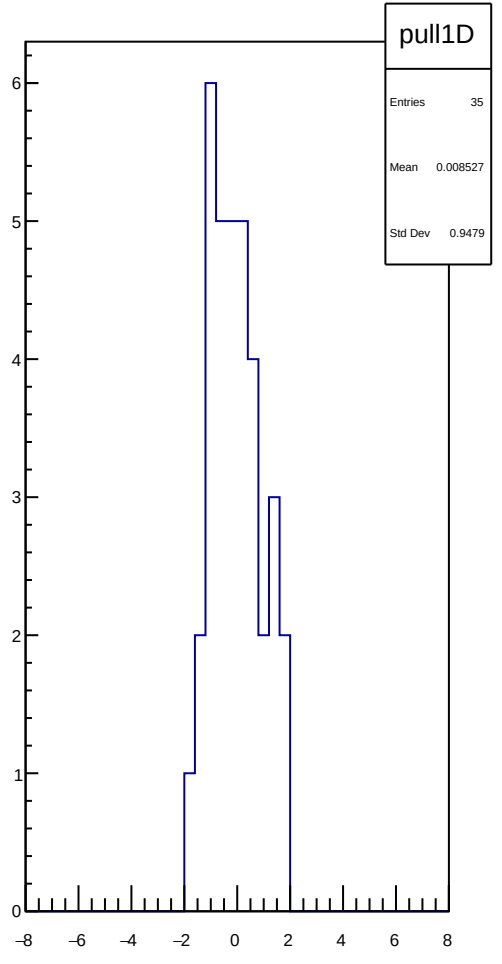

dit_asym_sam2_rms vs run
χ² / ndf 7325 / 34
p0 497.3 ± 0.5976
900
800
700
600
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

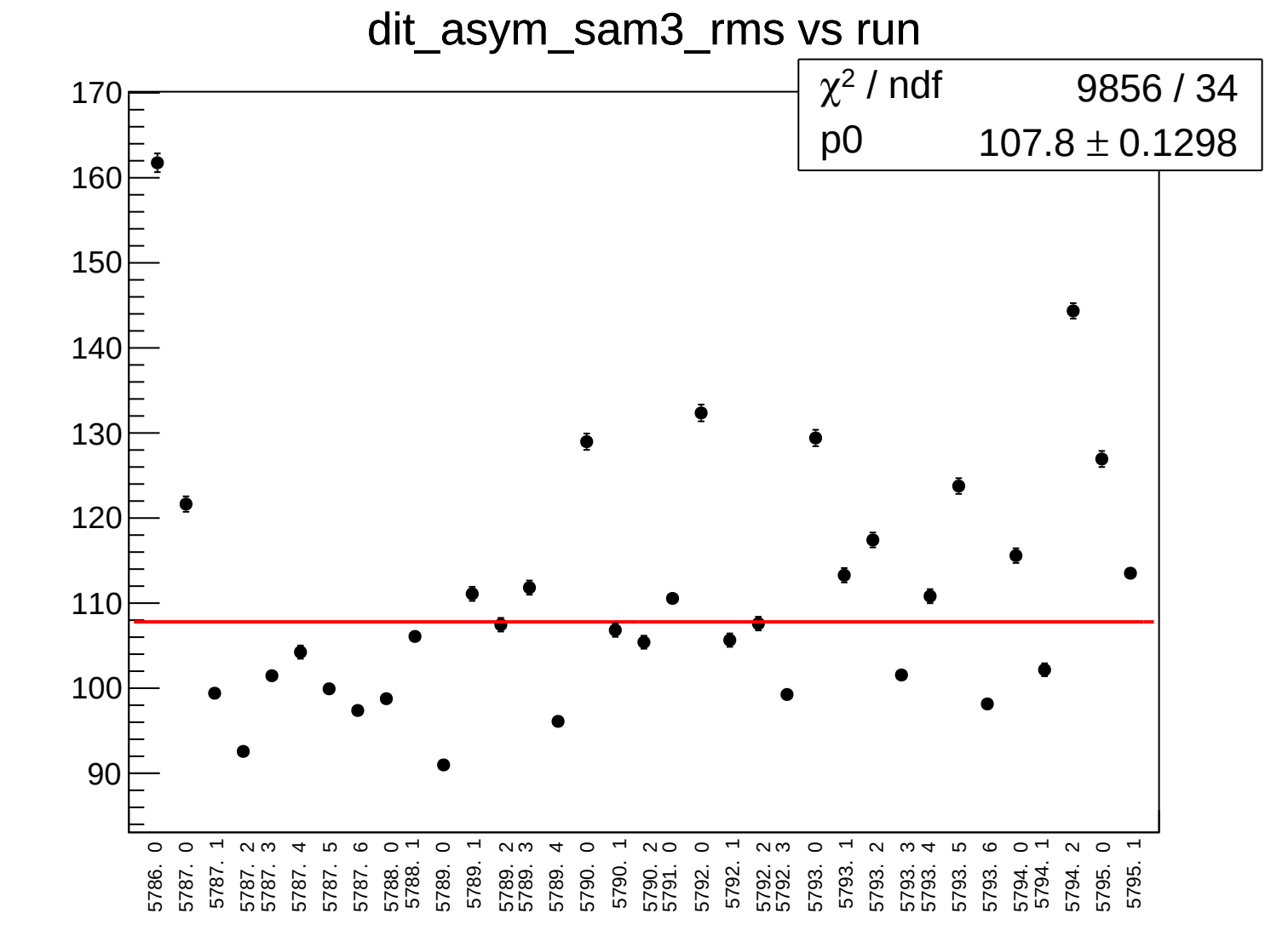

asym_sam2_mean vs run
×10^3
χ^2 / ndf 35.78 / 34
p0 −8160 ± 9289
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 25.66
Std Dev 24.44
2
1.5
1
0.5
0
−0.5
−1
−1.5

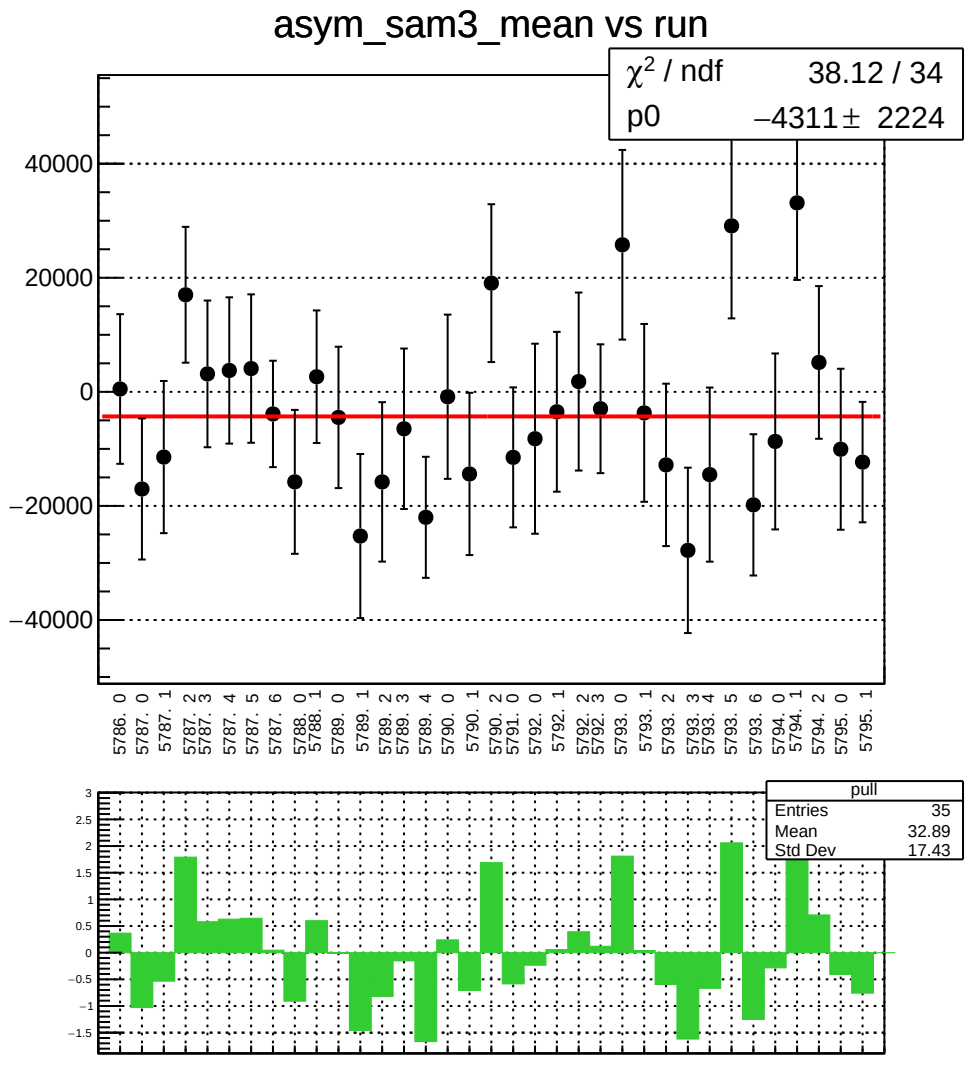

pull1D
Entries 35
Mean 0.01422
Std Dev 1.011
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

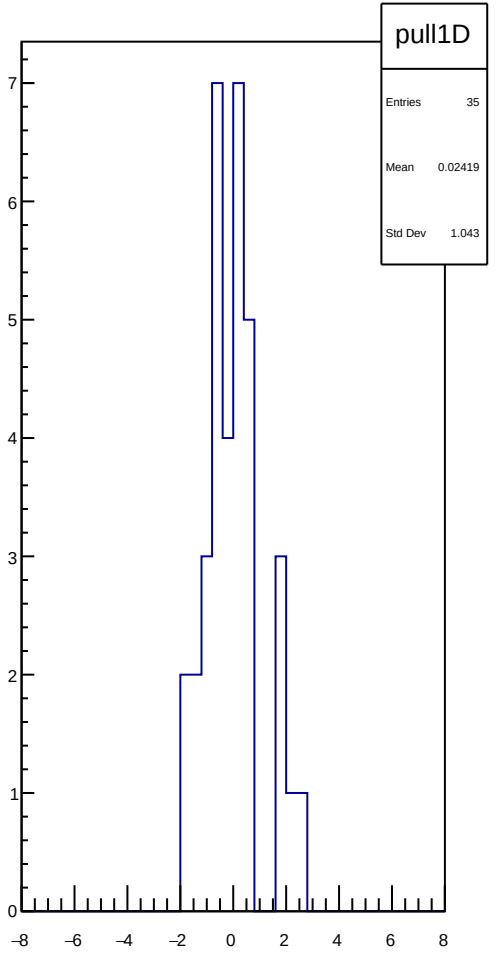

asym_sam2_rms vs run
χ² / ndf 3255 / 34
p0 5482 ± 6.568
6400
6200
6000
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

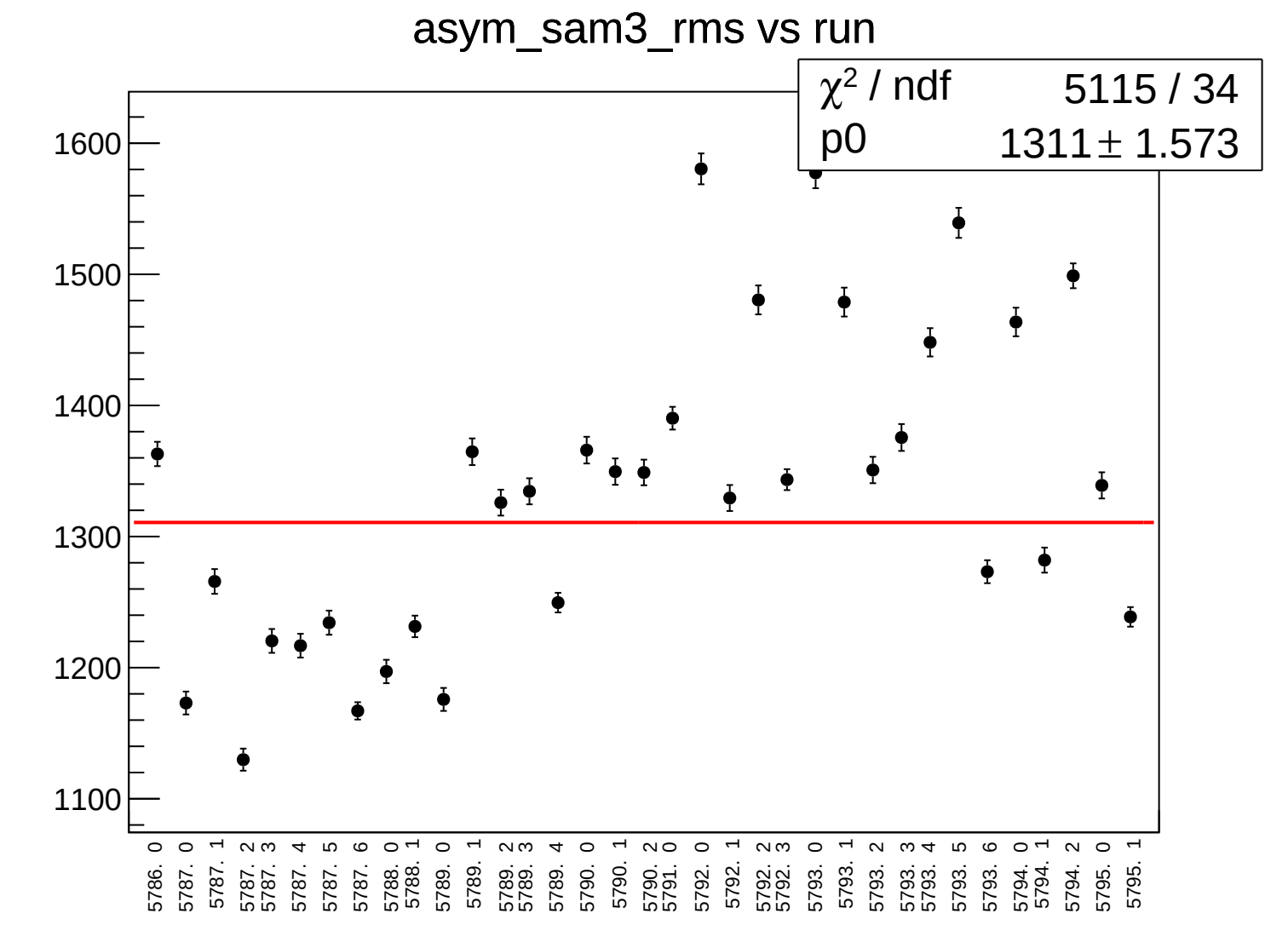

dit_asym_sam3_mean vs run
χ² / ndf 31.45 / 34
p0 −66.23 ± 183.5
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −135.9
Std Dev 149
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

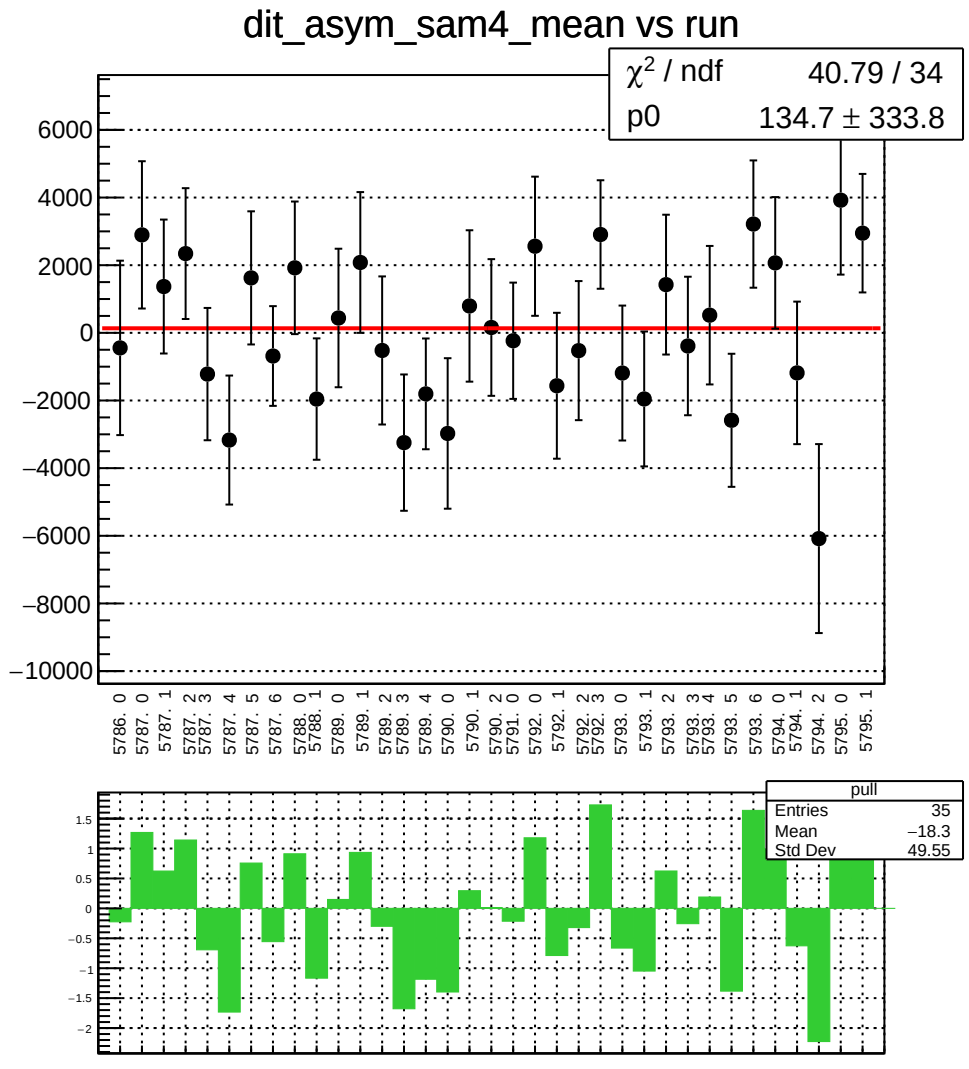

pull1D
Entries 35
Mean 0.008527
Std Dev 0.9479
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

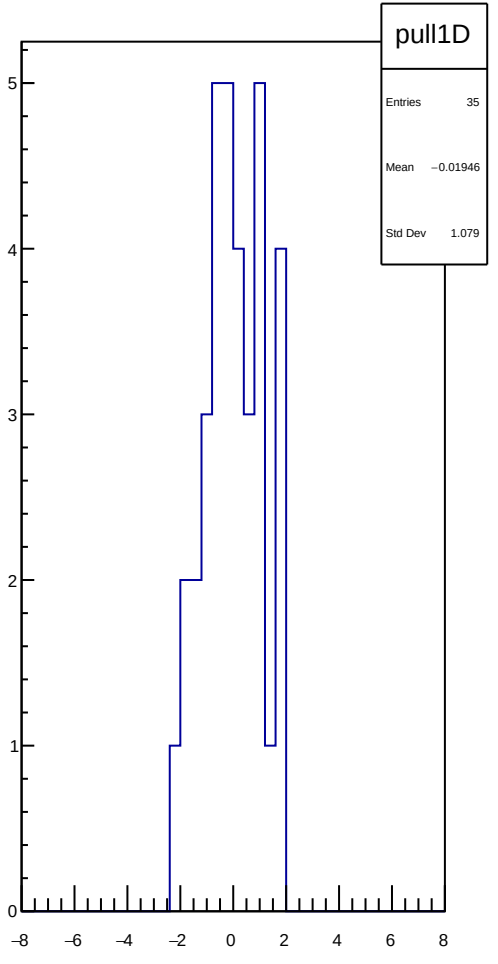

dit_asym_sam3_rms vs run
χ² / ndf 9856 / 34
p0 107.8 ± 0.1298
170
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

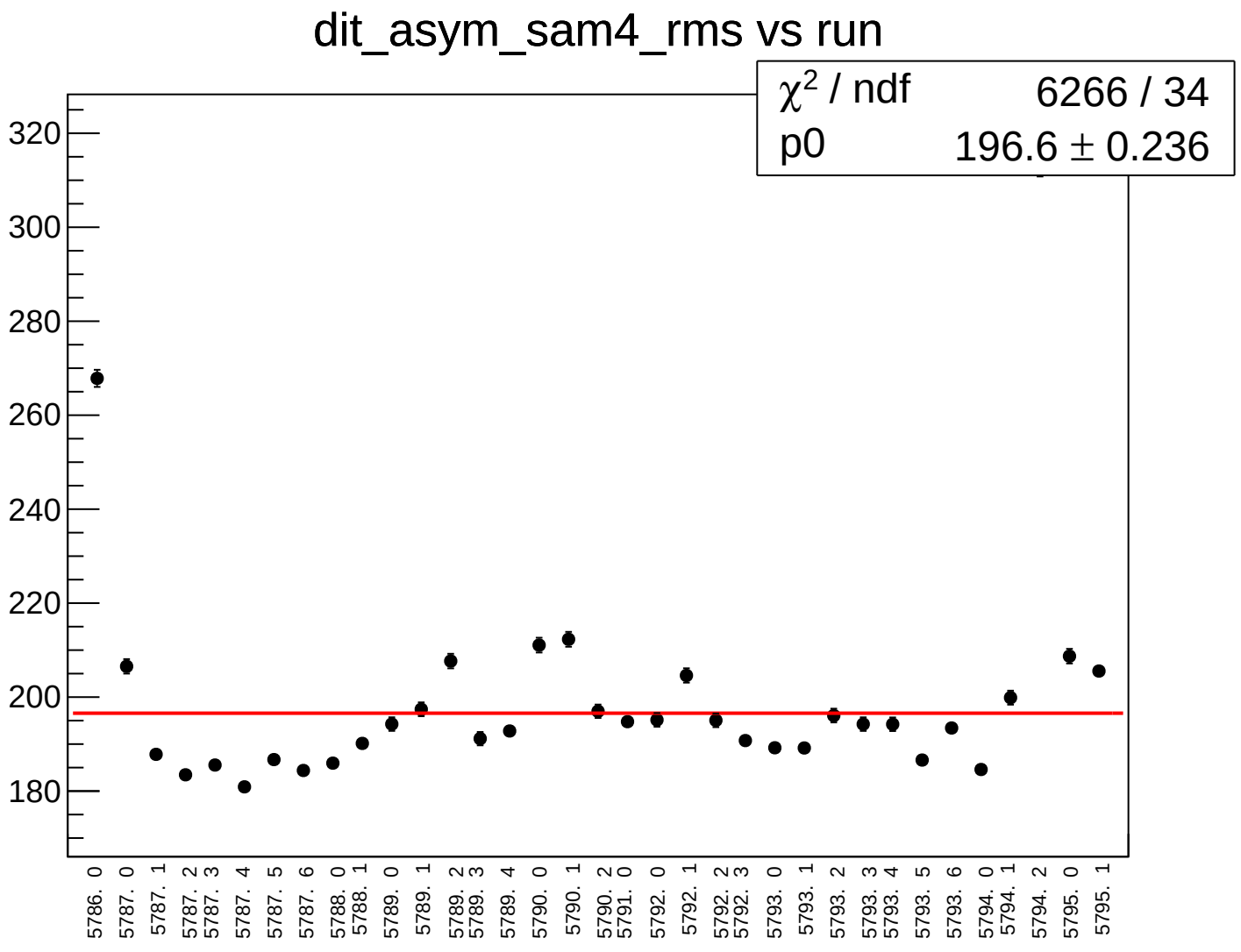

asym_sam3_mean vs run
χ² / ndf 38.12 / 34
p0 −4311 ± 2224
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 32.89
Std Dev 17.43
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

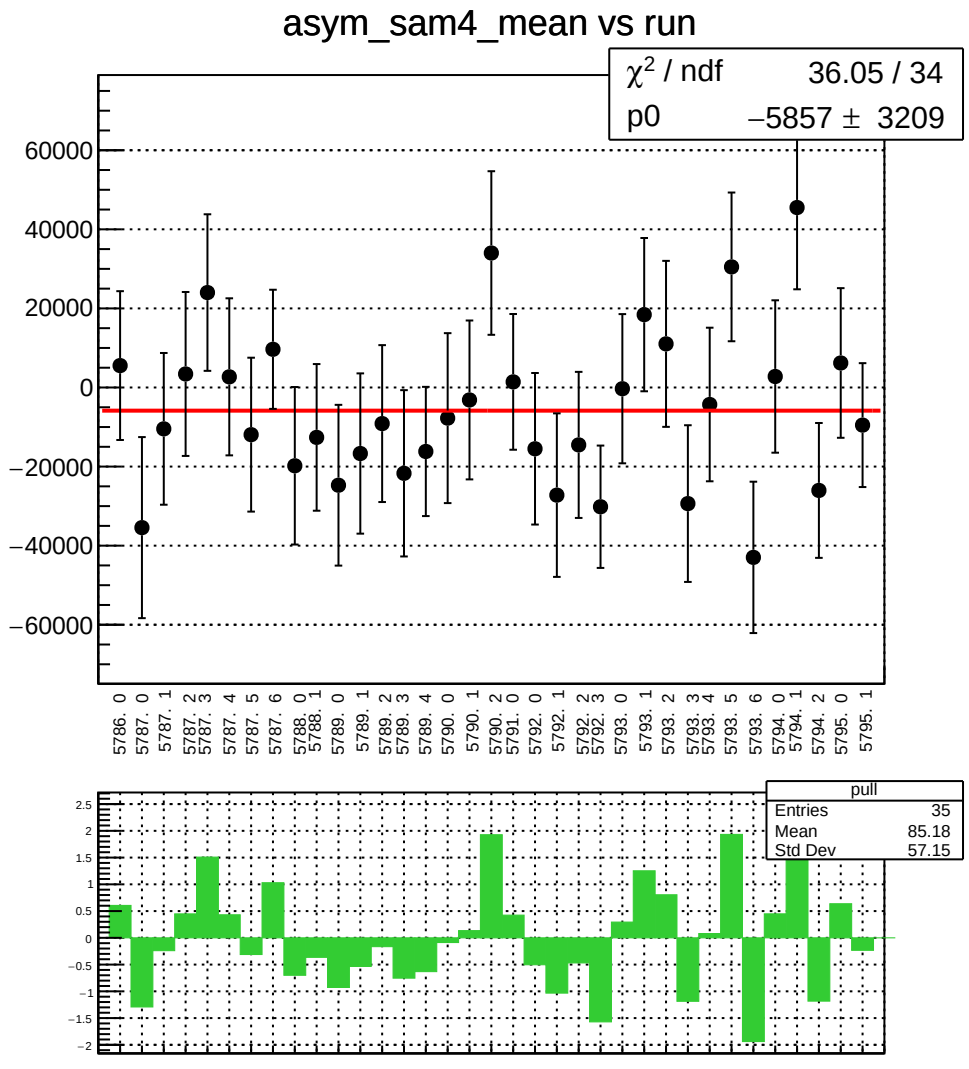

pull1D
Entries 35
Mean 0.02419
Std Dev 1.043
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

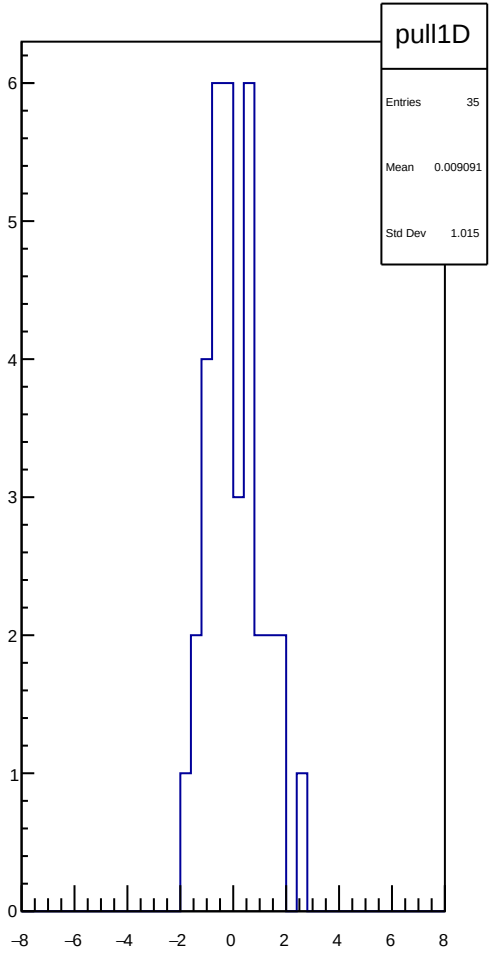

asym_sam3_rms vs run
χ² / ndf 5115 / 34
p0 1311 ± 1.573
1600
1500
1400
1300
1200
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

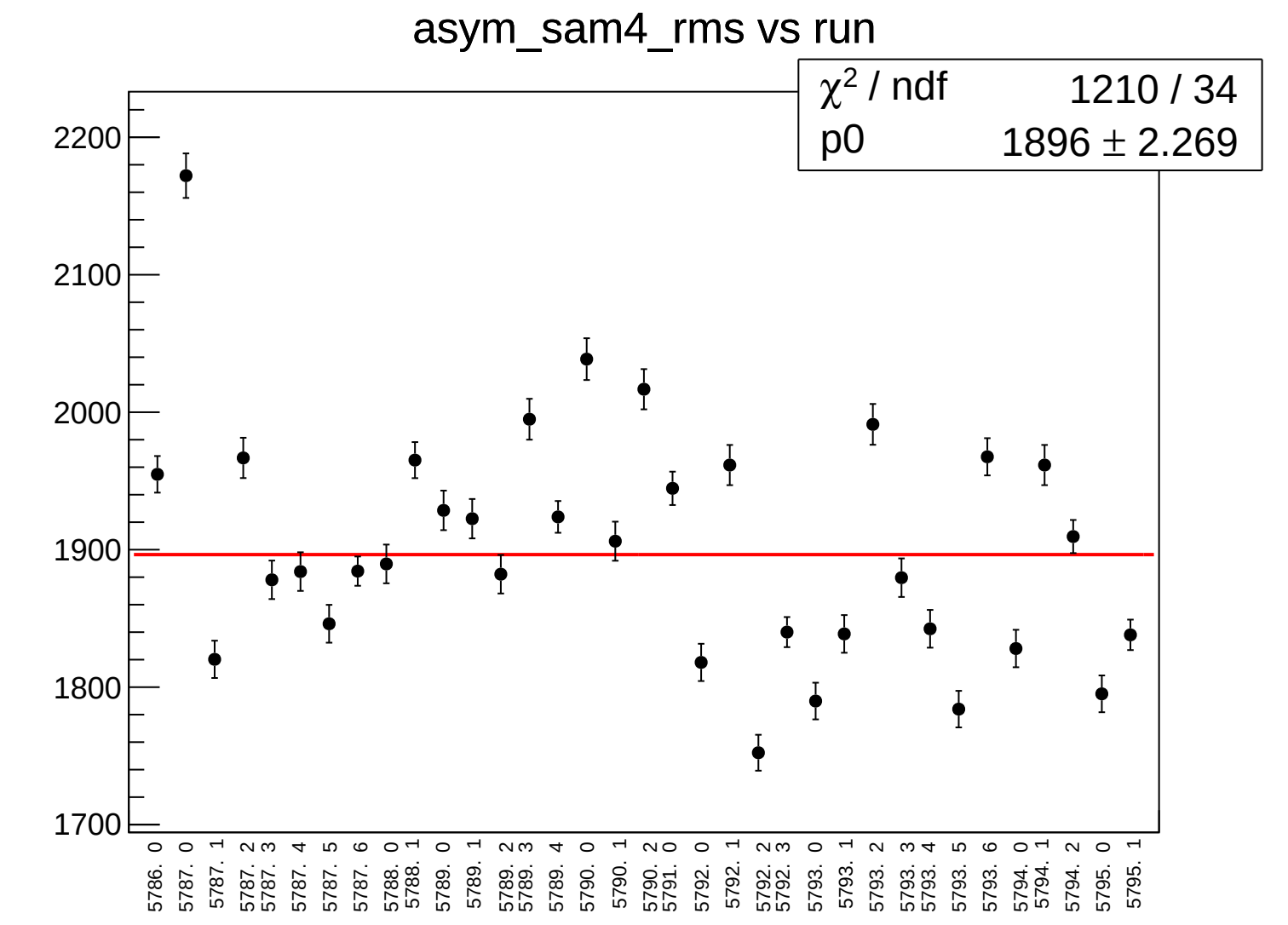

dit_asym_sam4_mean vs run
χ² / ndf 40.79 / 34
p0 134.7 ± 333.8
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −18.3
Std Dev 49.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2

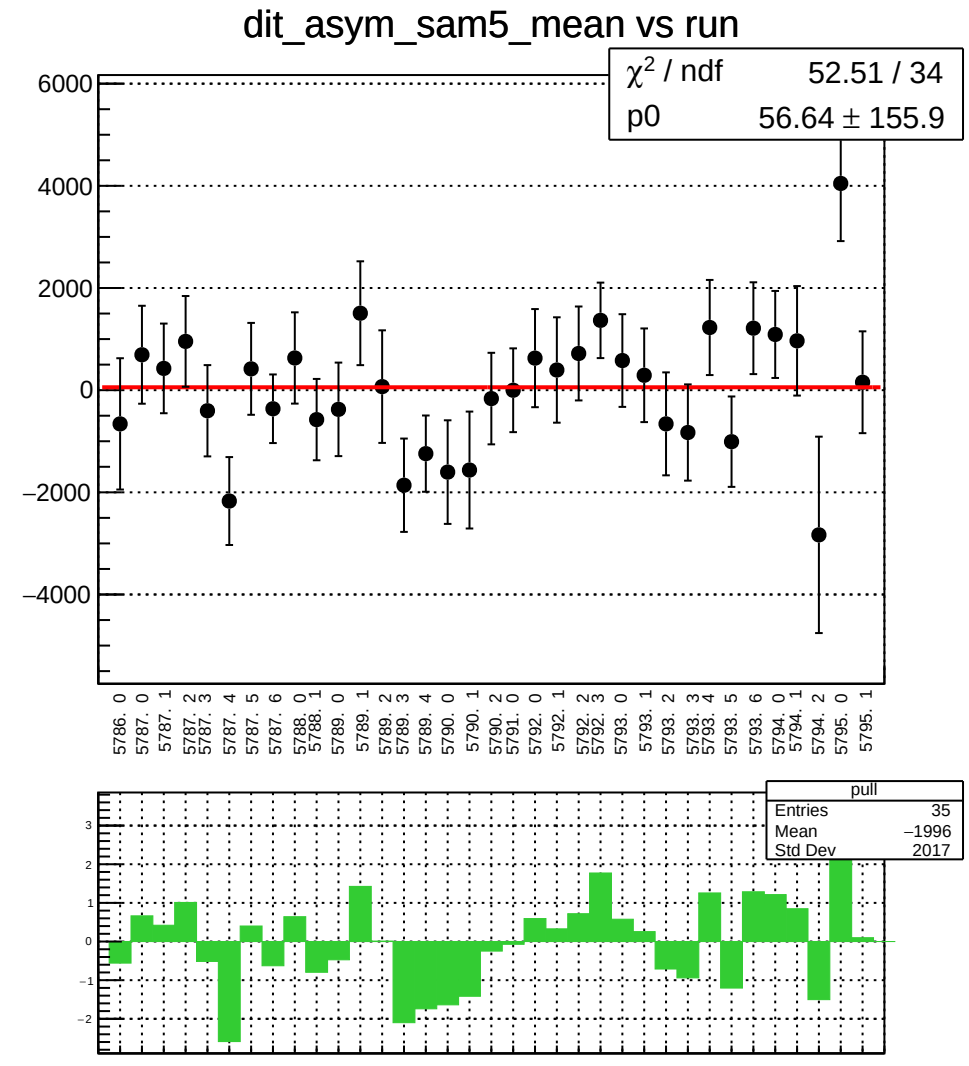

pull1D
Entries 35
Mean −0.01946
Std Dev 1.079
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

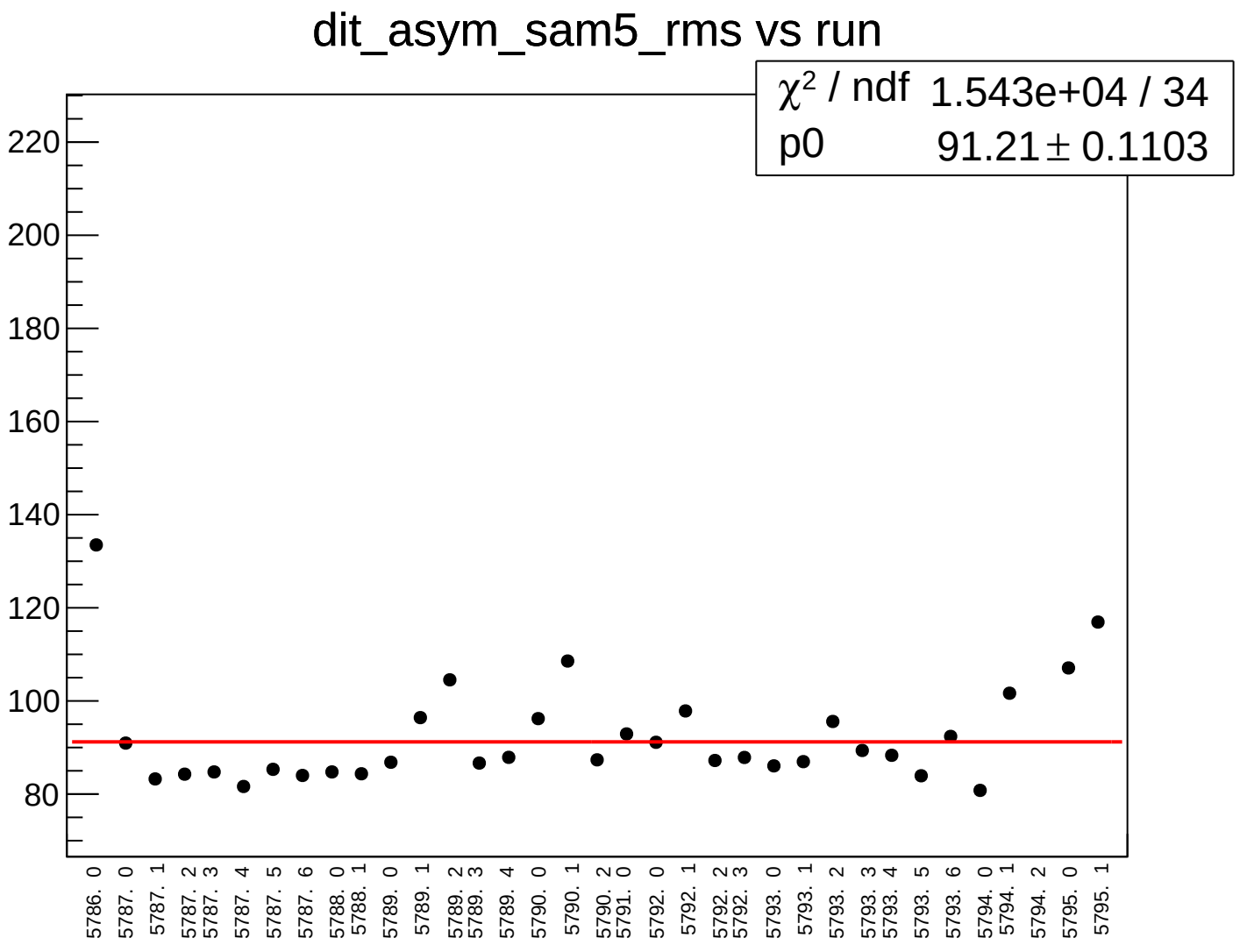

dit_asym_sam4_rms vs run
χ² / ndf 6266 / 34
p0 196.6 ± 0.236
320
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

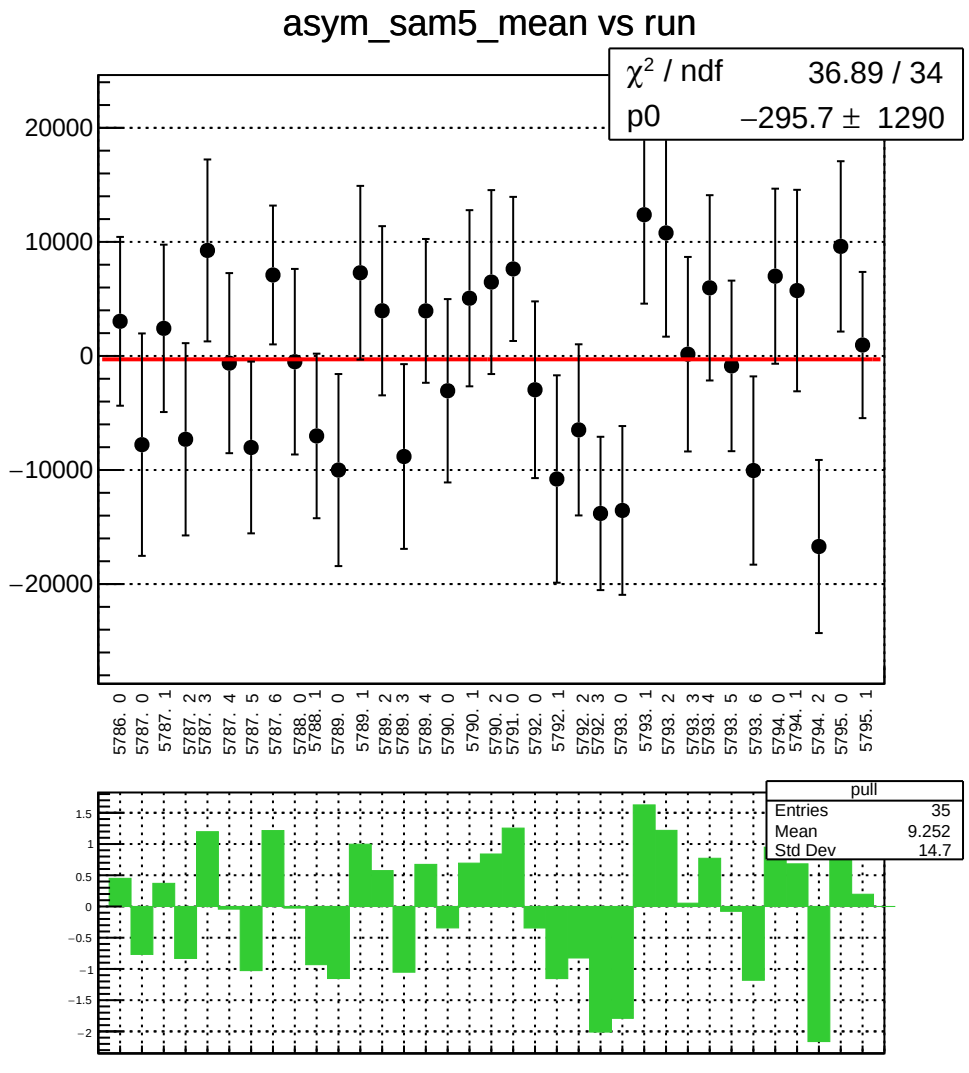

asym_sam4_mean vs run
χ² / ndf 36.05 / 34
p0 −5857 ± 3209
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 85.18
Std Dev 57.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

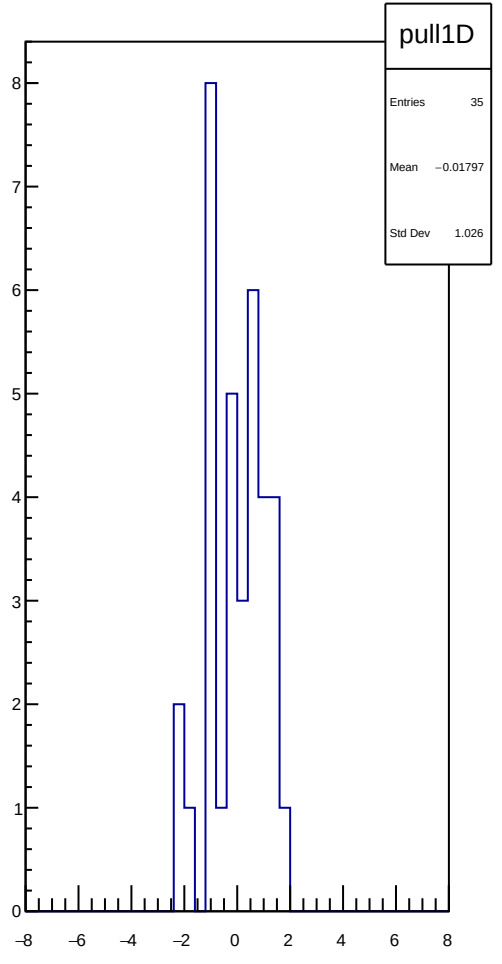

pull1D
Entries 35
Mean 0.009091
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

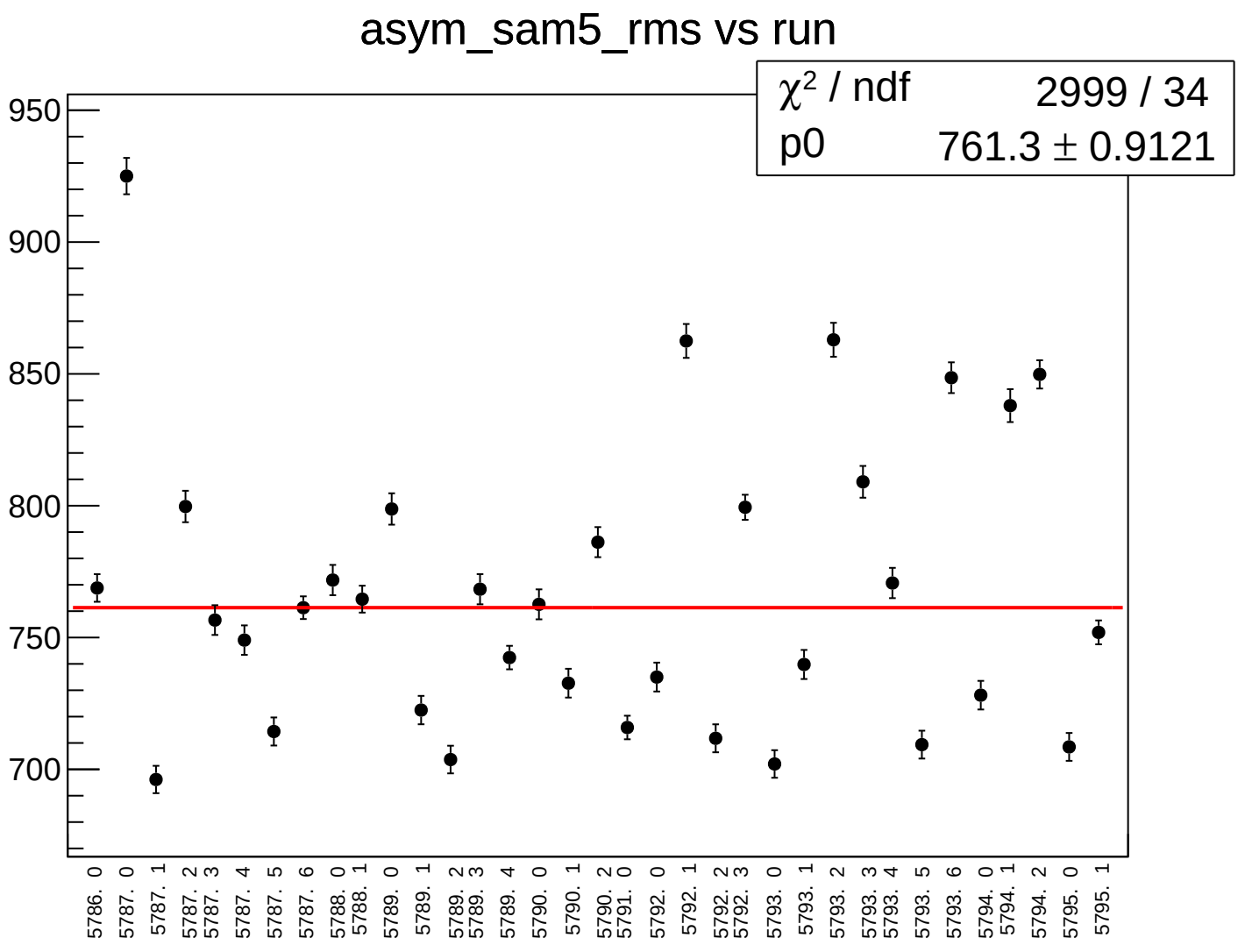

asym_sam4_rms vs run
χ² / ndf 1210 / 34
p0 1896 ± 2.269
2200
2100
2000
1900
1800
1700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

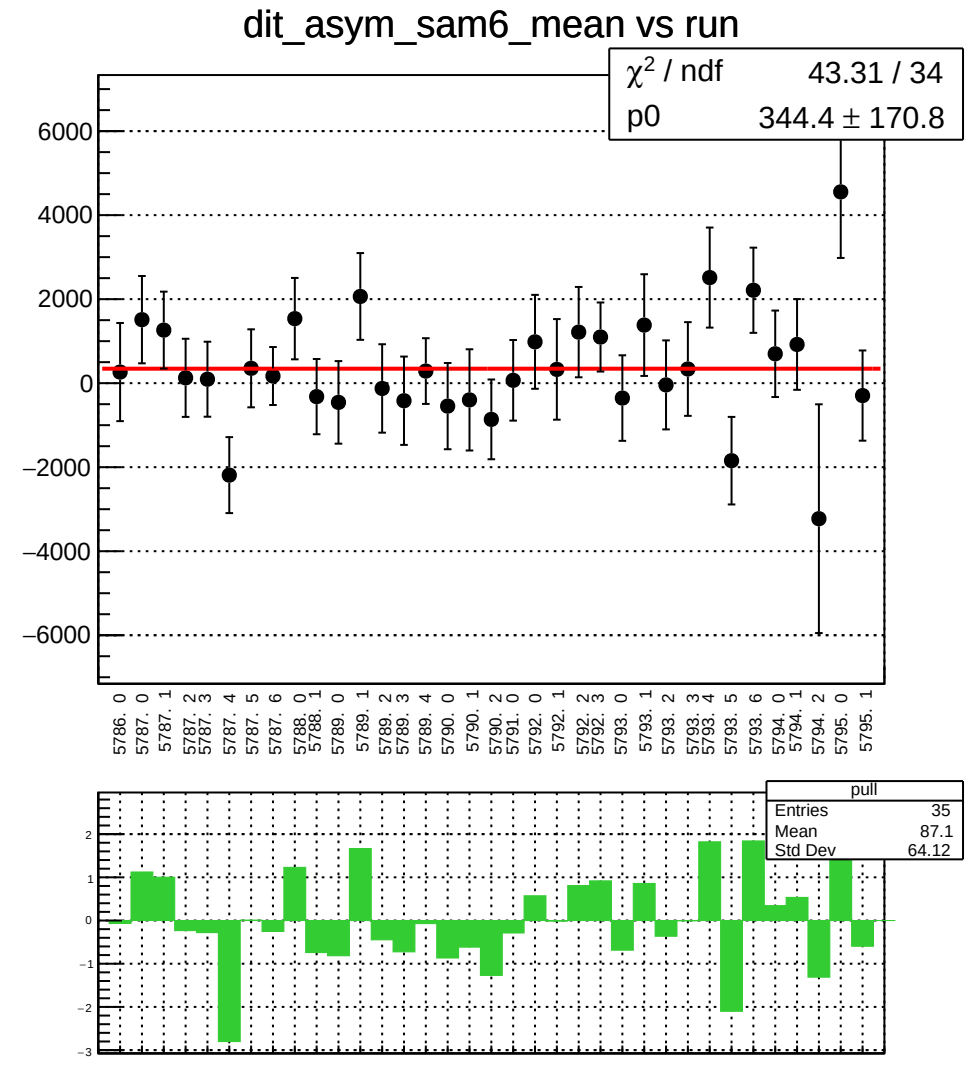

dit_asym_sam5_mean vs run
χ² / ndf 52.51 / 34
p0 56.64 ± 155.9
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1996
Std Dev 2017
3
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.001627
Std Dev 1.225
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

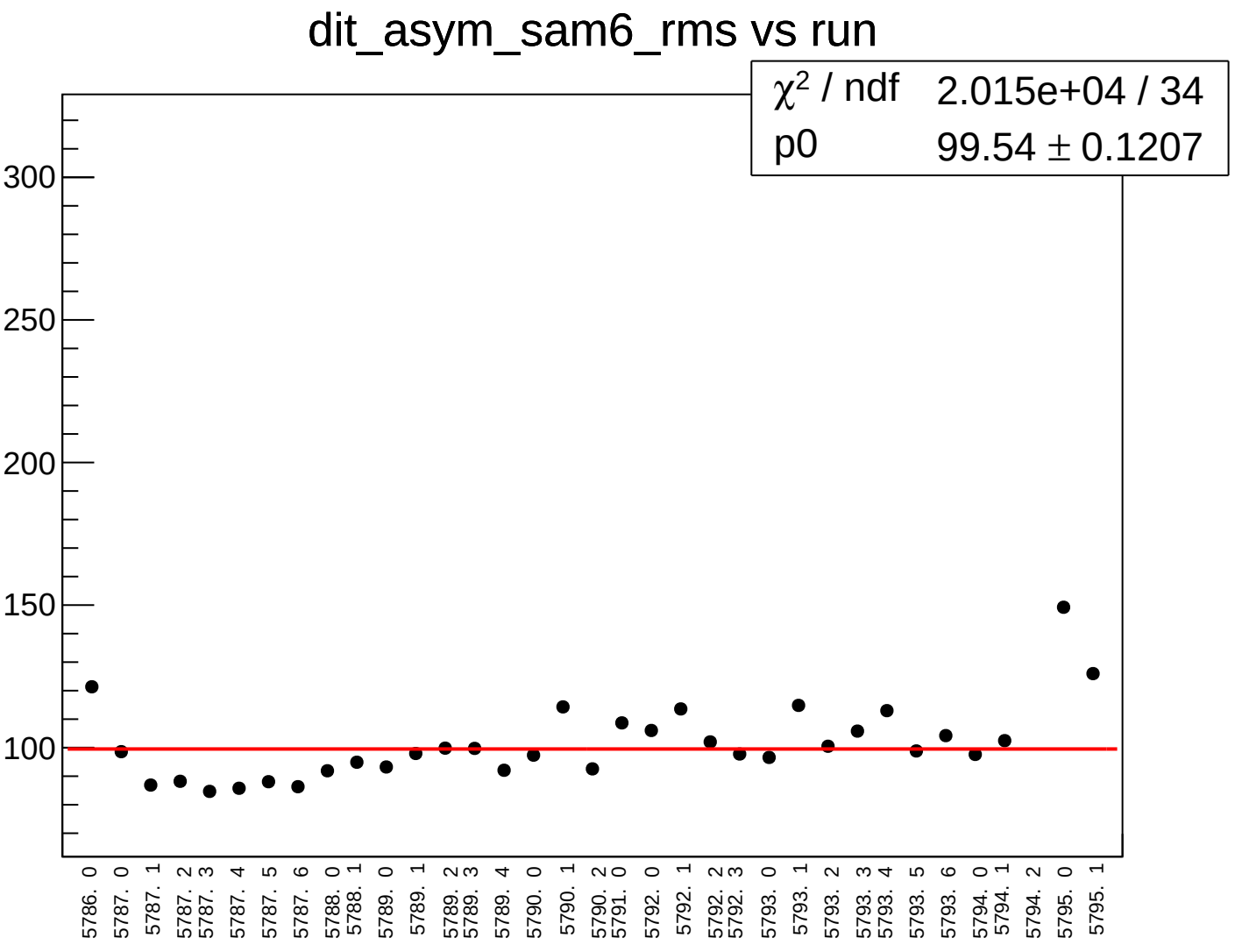

dit_asym_sam5_rms vs run
χ² / ndf 1.543e+04 / 34
p0 91.21 ± 0.1103
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

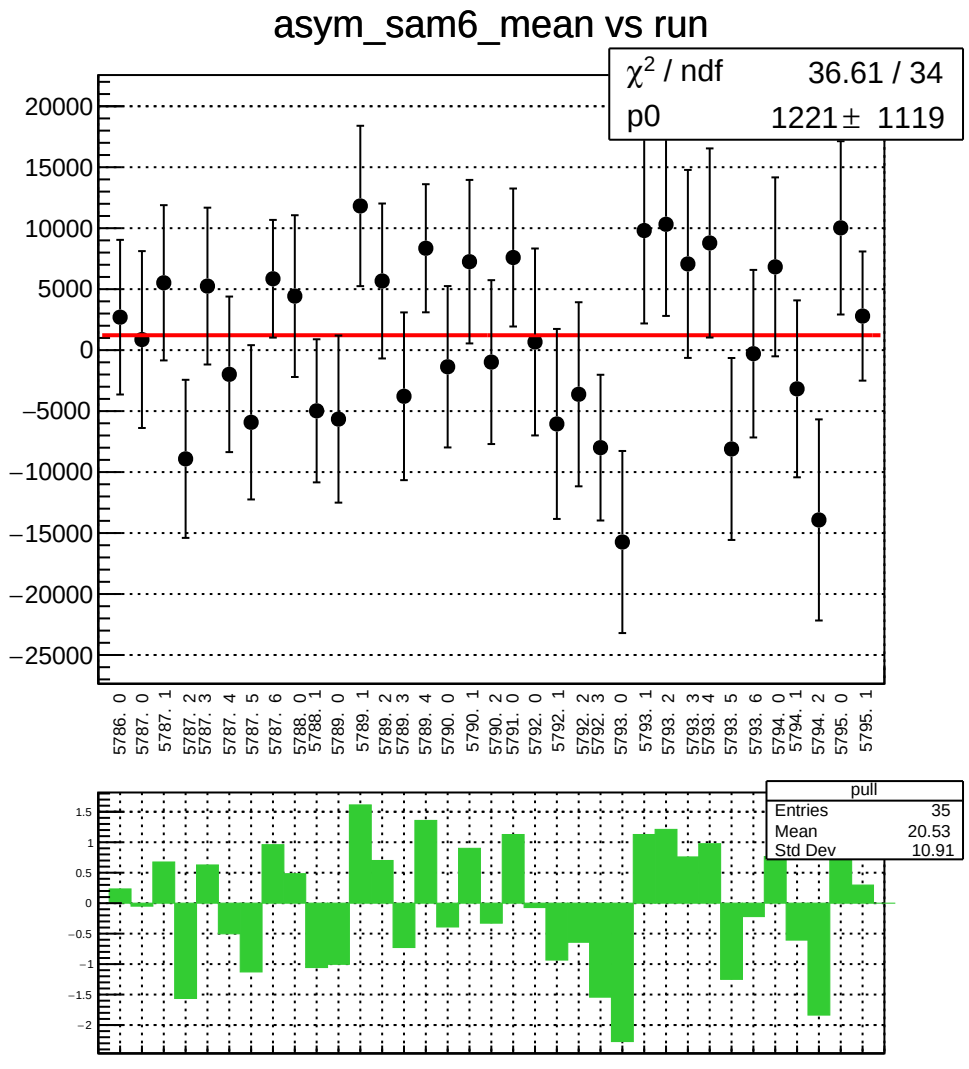

asym_sam5_mean vs run
χ² / ndf 36.89 / 34
p0 −295.7 ± 1290
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 9.252
Std Dev 14.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

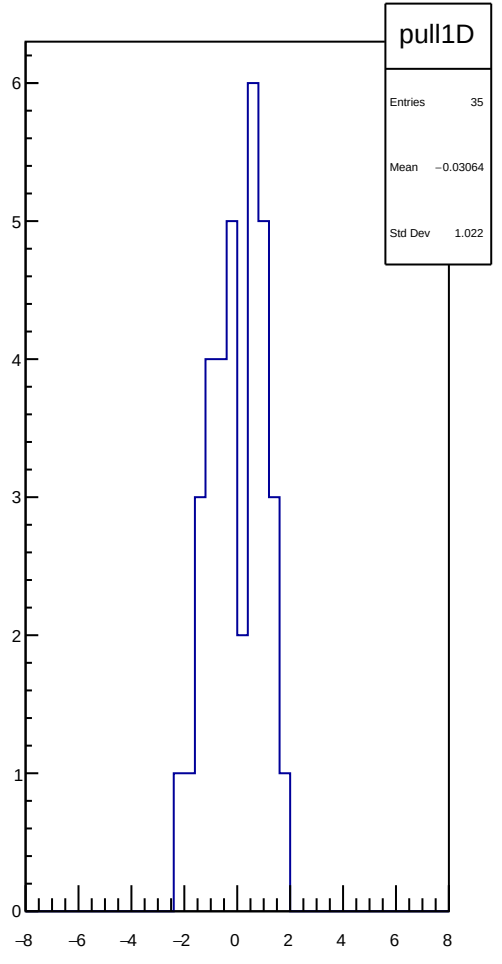

pull1D
Entries 35
Mean −0.01797
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

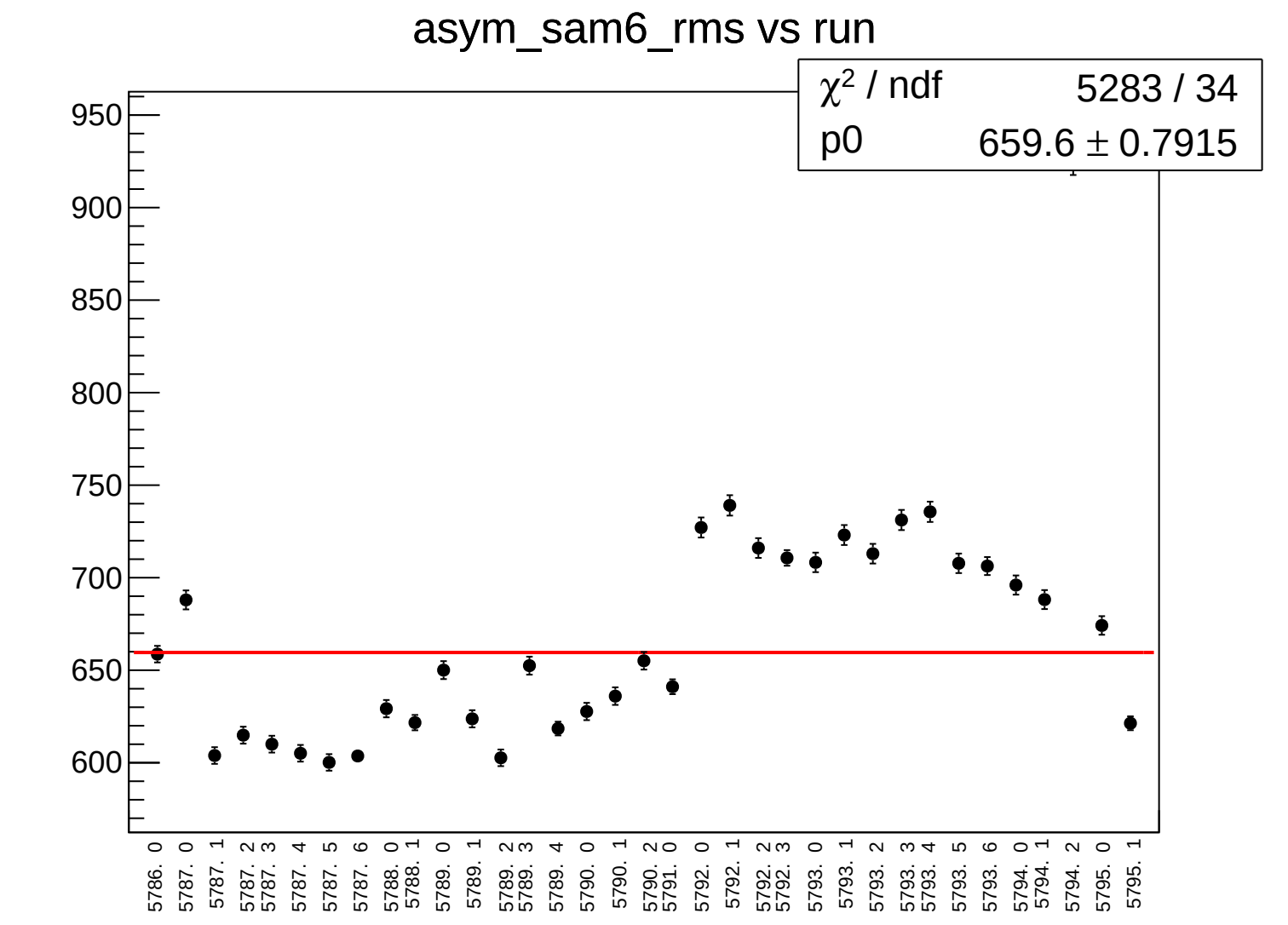

asym_sam5_rms vs run
χ² / ndf 2999 / 34
p0 761.3 ± 0.9121
950
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

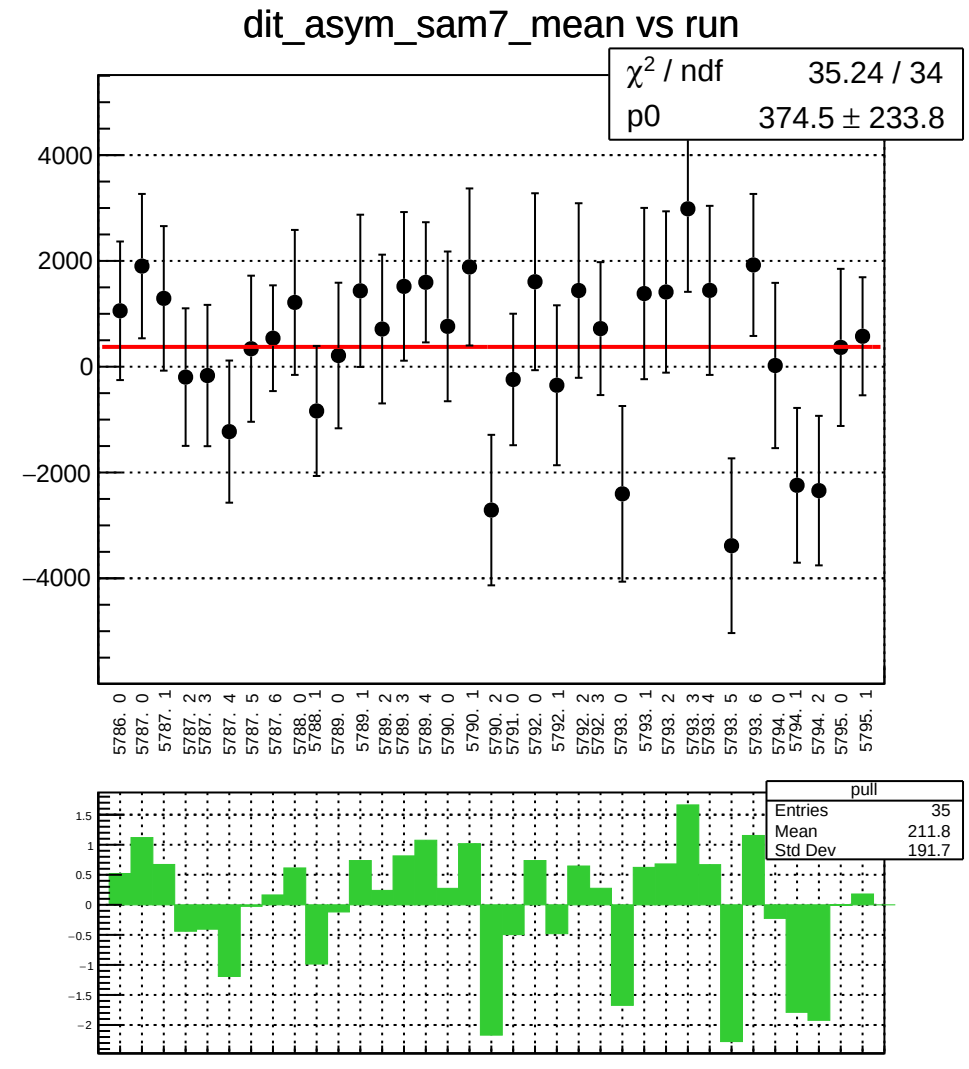

dit_asym_sam6_mean vs run
χ² / ndf 43.31 / 34
p0 344.4 ± 170.8
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 87.1
Std Dev 64.12
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean 0.02427
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

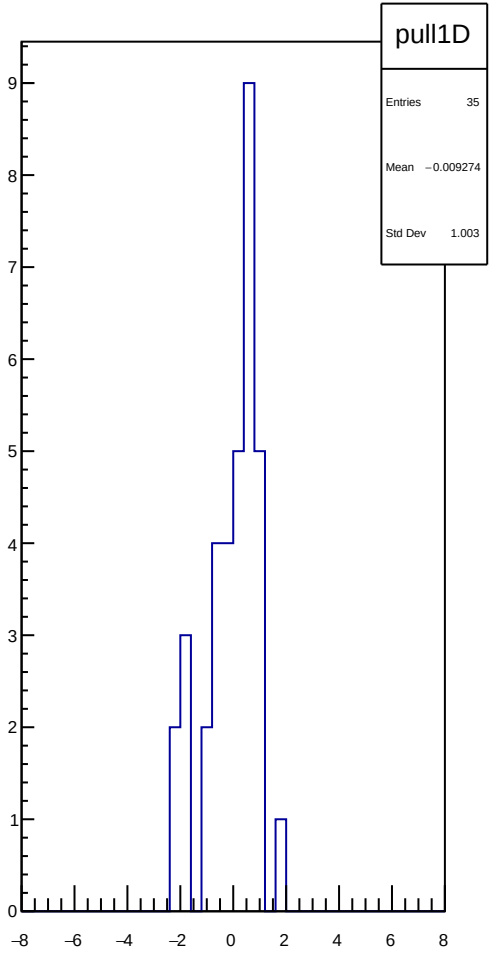

dit_asym_sam6_rms vs run
χ² / ndf 2.015e+04 / 34
p0 99.54 ± 0.1207
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

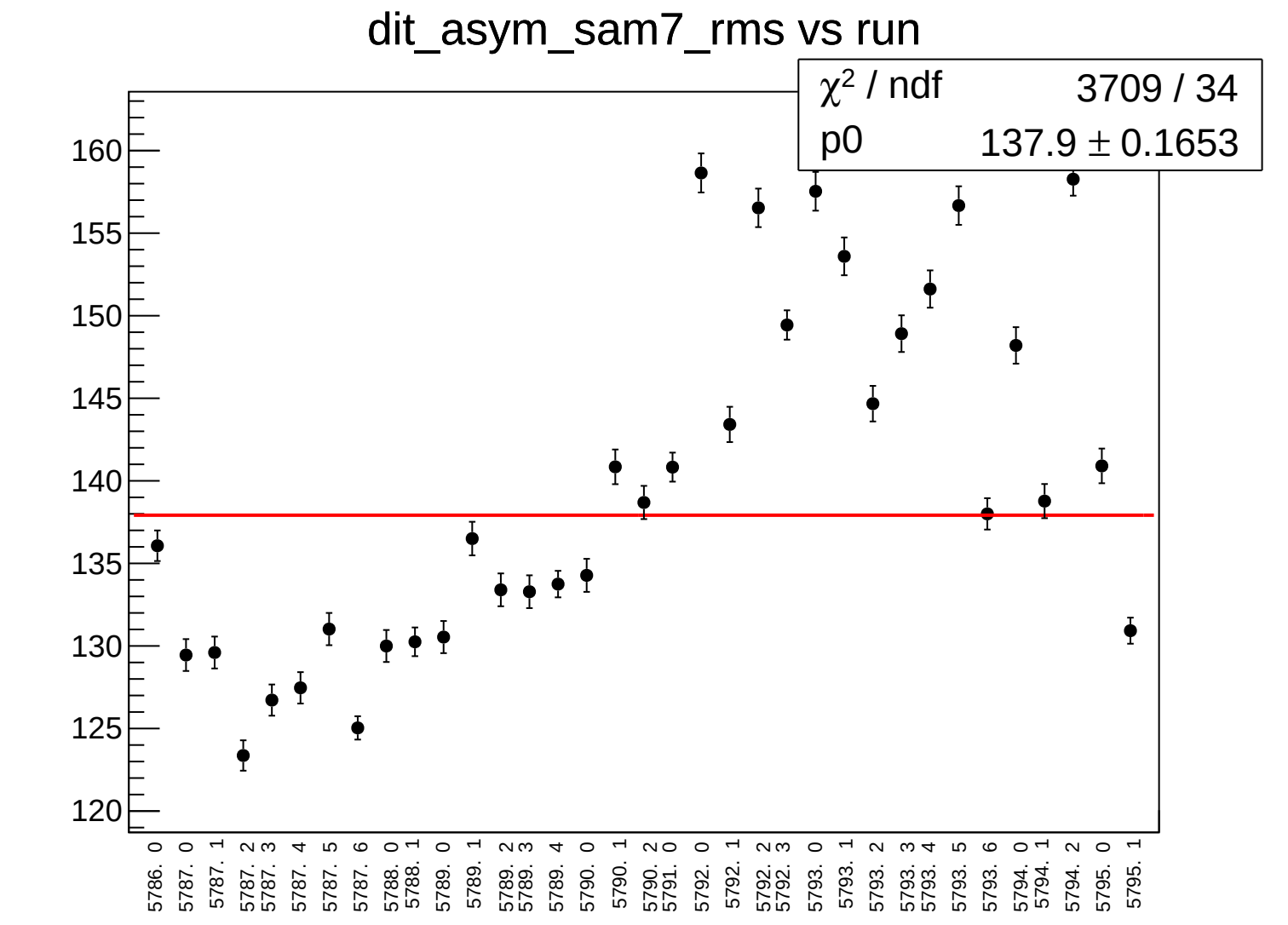

asym_sam6_mean vs run
χ² / ndf 36.61 / 34
p0 1221 ± 1119
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 20.53
Std Dev 10.91
1.5
1
0.5
0
−0.5
−1
−1.5
−2

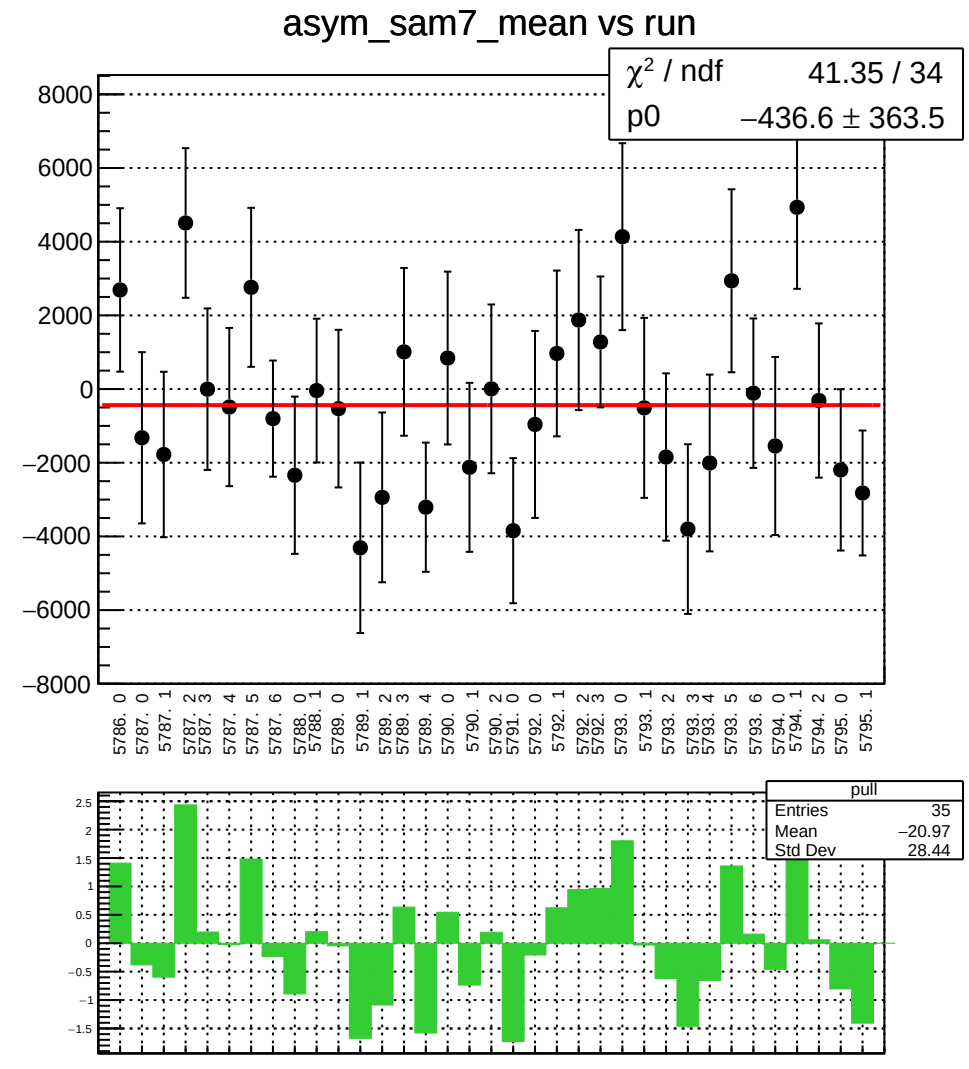

pull1D
Entries 35
Mean −0.03064
Std Dev 1.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

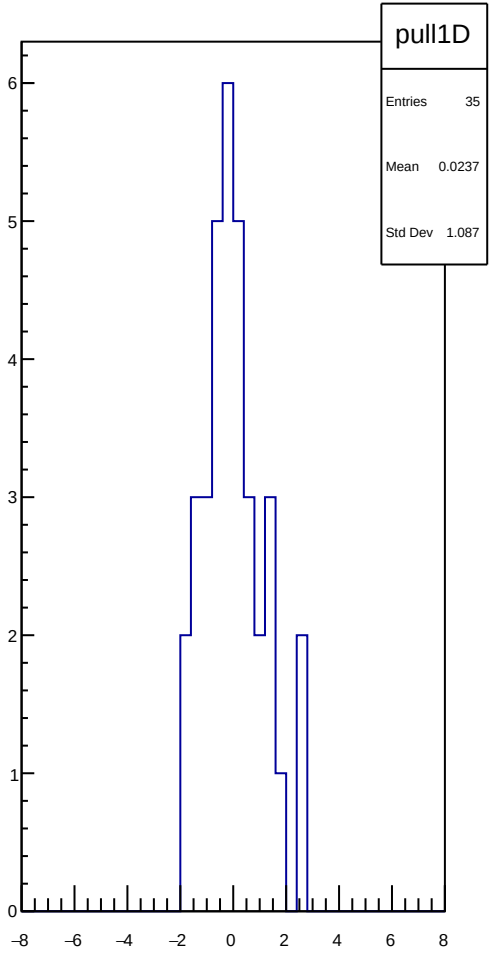

asym_sam6_rms vs run
χ² / ndf 5283 / 34
p0 659.6 ± 0.7915
950
900
850
800
750
700
650
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

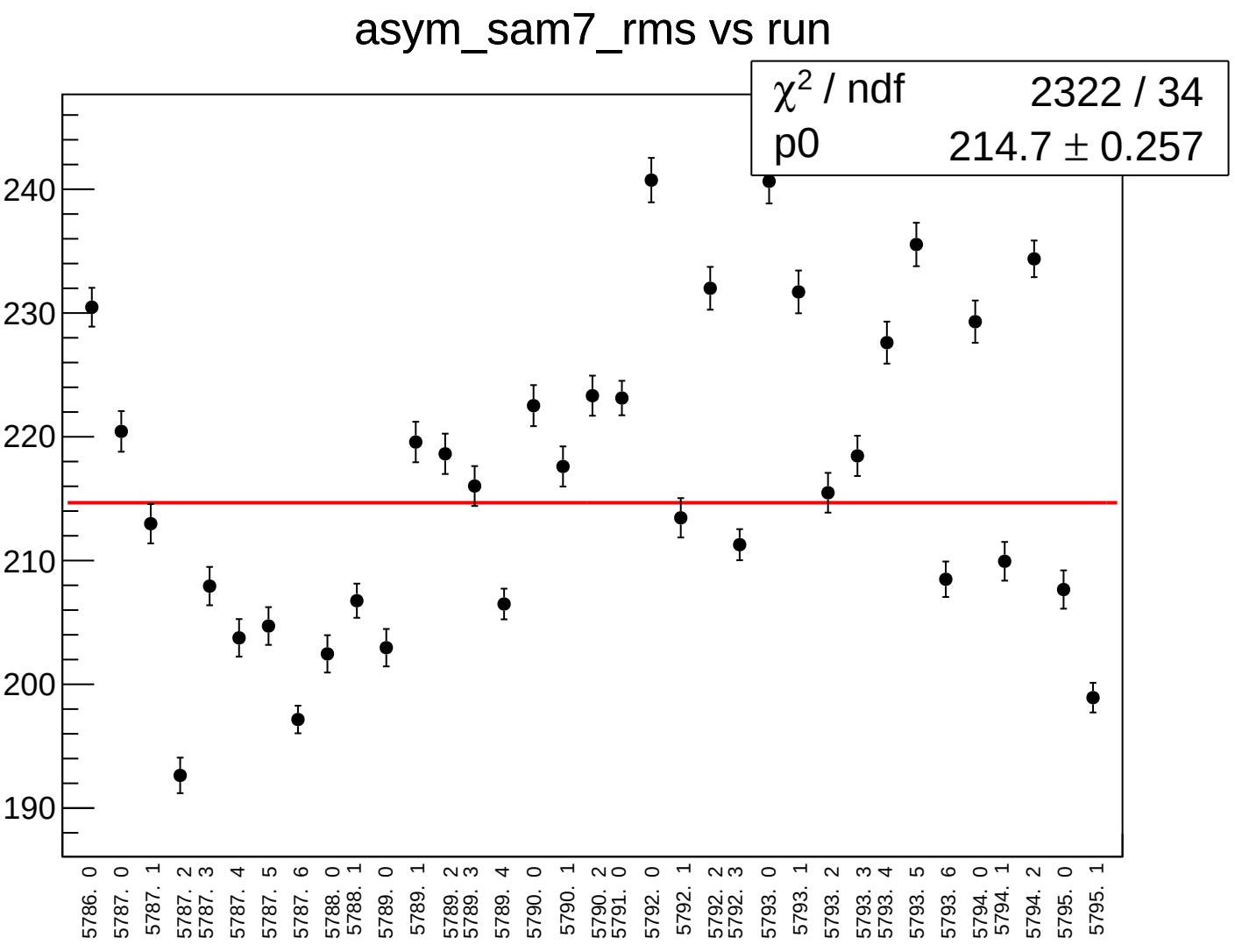

dit_asym_sam7_mean vs run
χ² / ndf 35.24 / 34
p0 374.5 ± 233.8
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 211.8
Std Dev 191.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

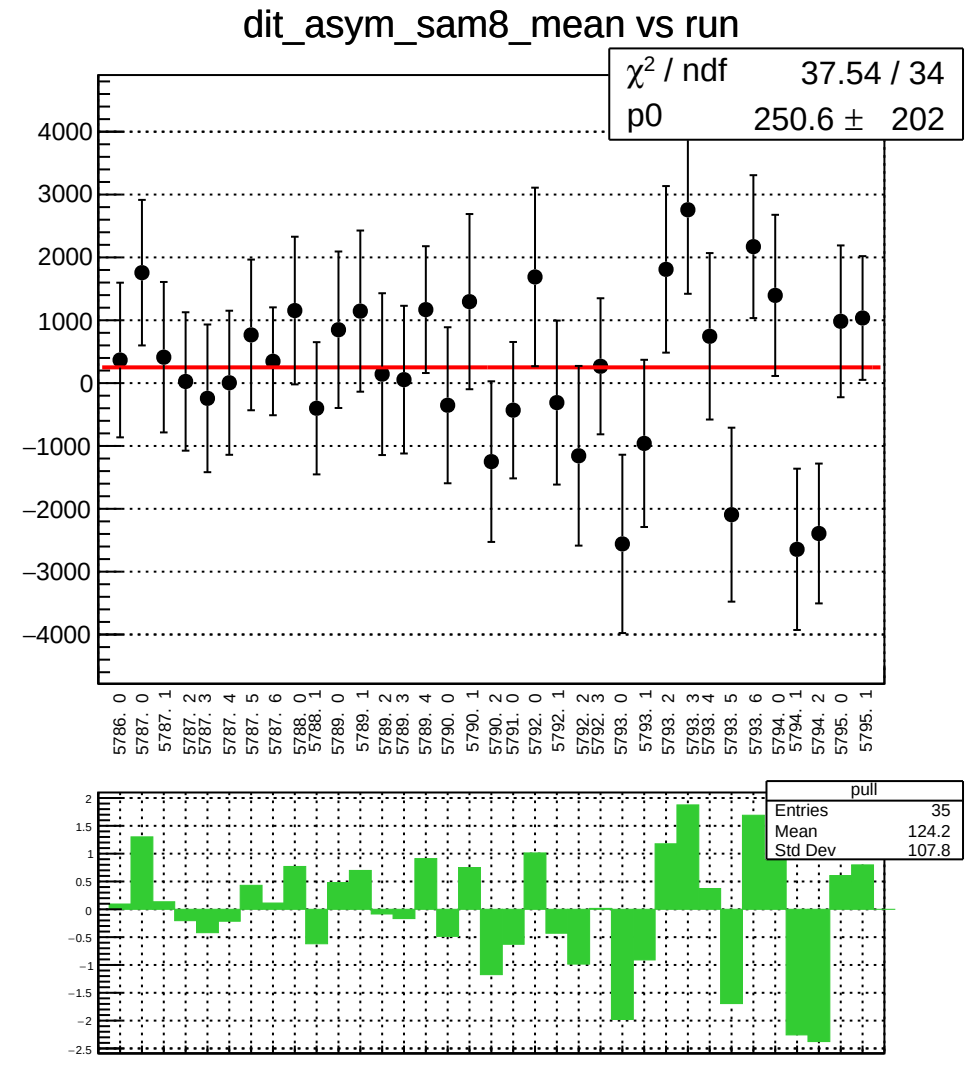

pull1D
Entries 35
Mean −0.009274
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

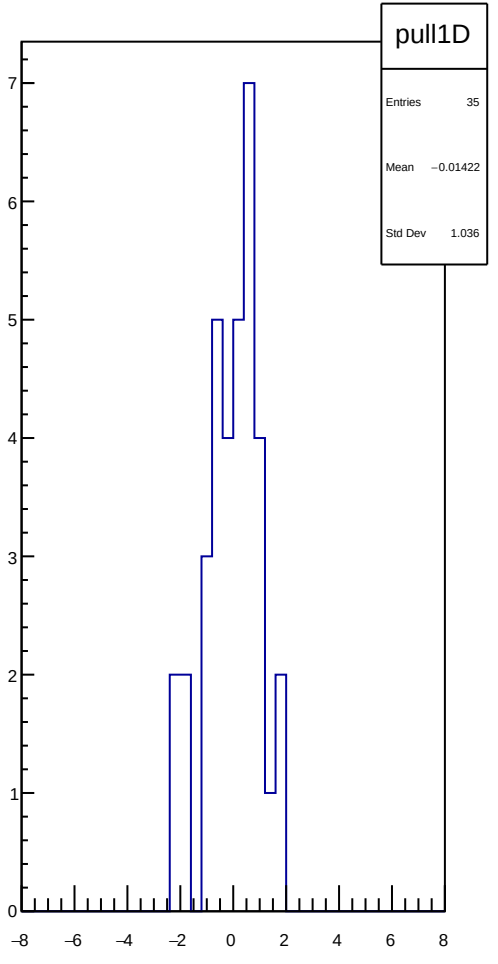

dit_asym_sam7_rms vs run
χ² / ndf 3709 / 34
p0 137.9 ± 0.1653
160
155
150
145
140
135
130
125
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

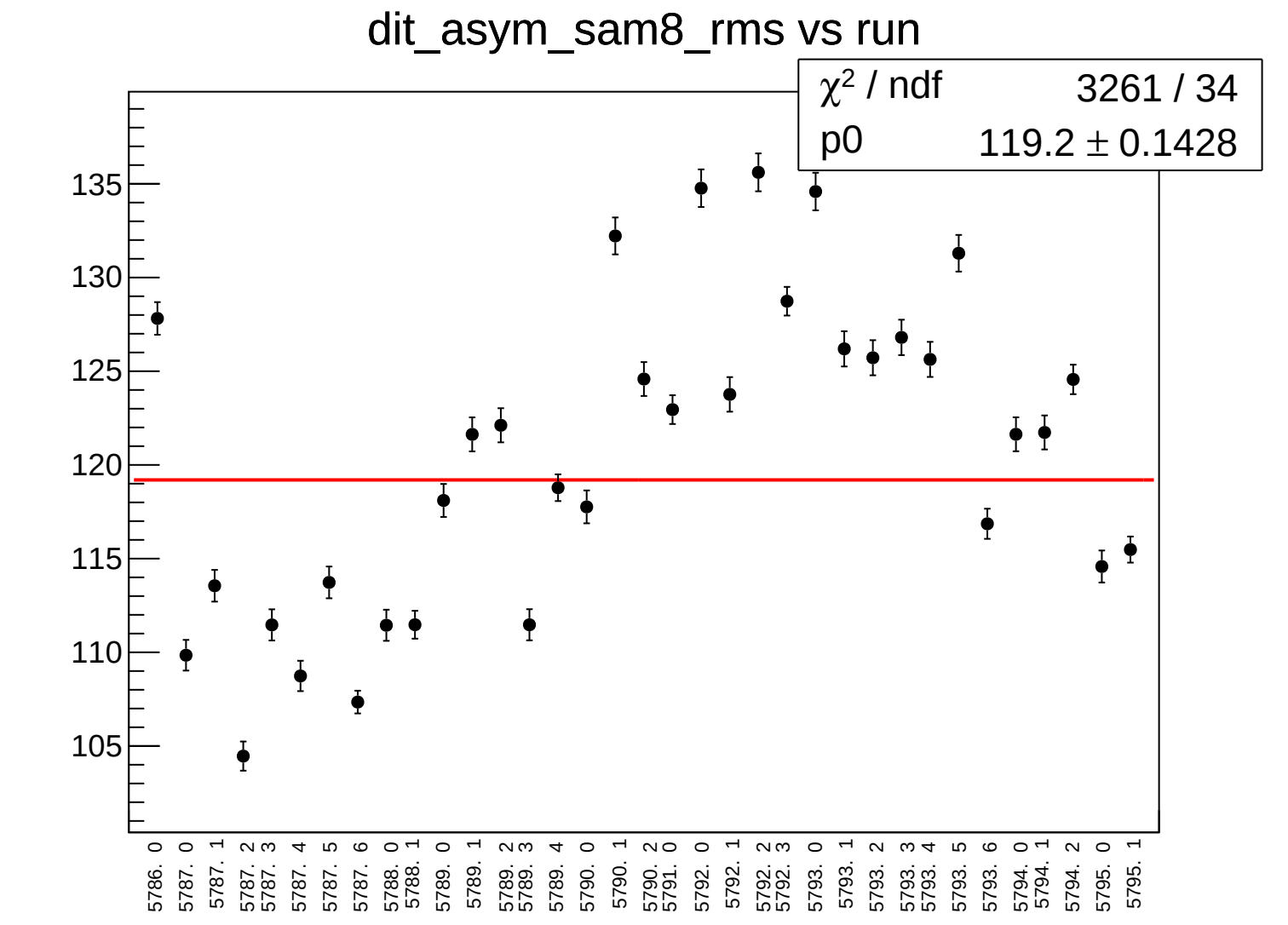

asym_sam7_mean vs run
χ² / ndf 41.35 / 34
p0 −436.6 ± 363.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −20.97
Std Dev 28.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

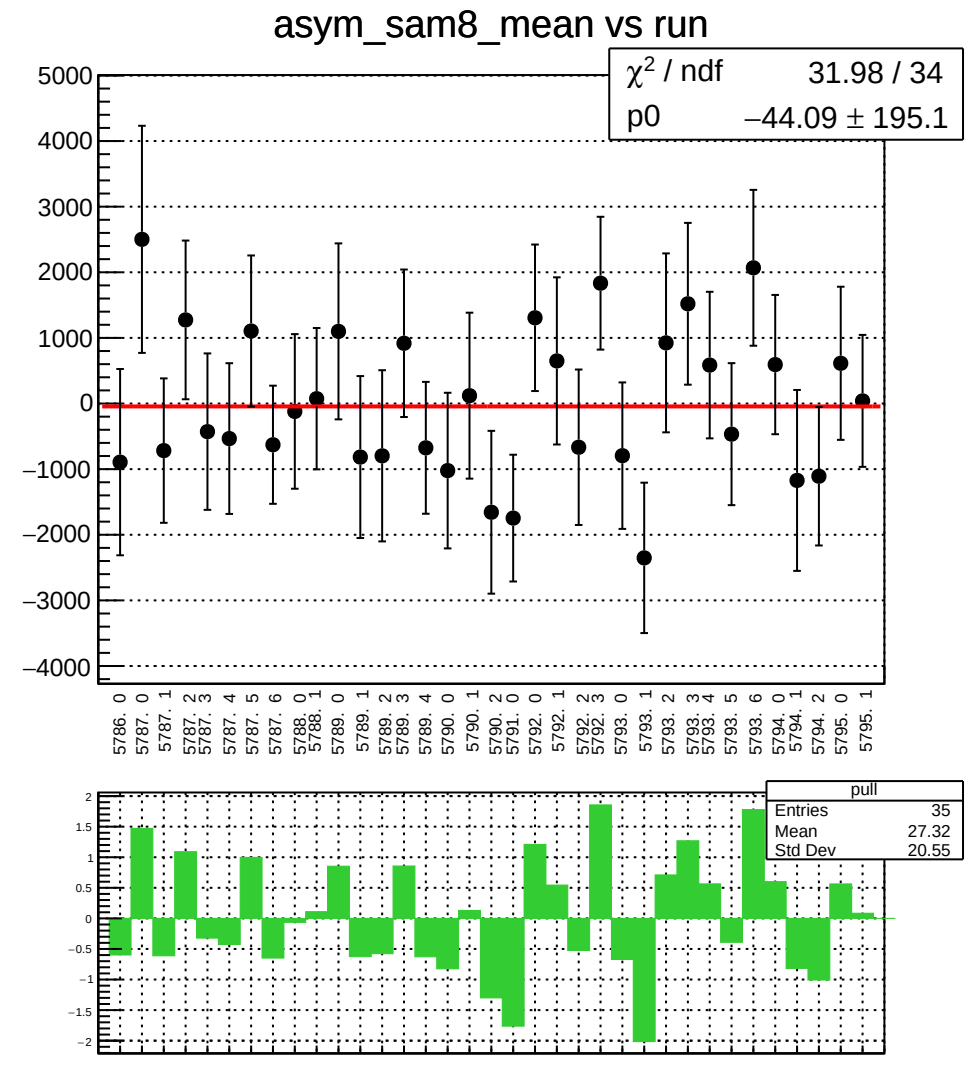

pull1D
Entries 35
Mean 0.0237
Std Dev 1.087
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

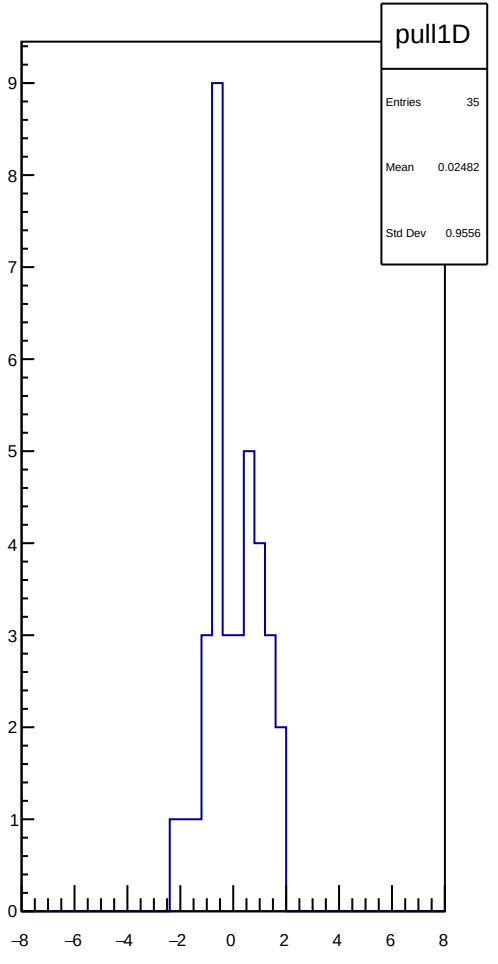

asym_sam7_rms vs run
χ² / ndf 2322 / 34
p0 214.7 ± 0.257
240
230
220
210
200
190
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

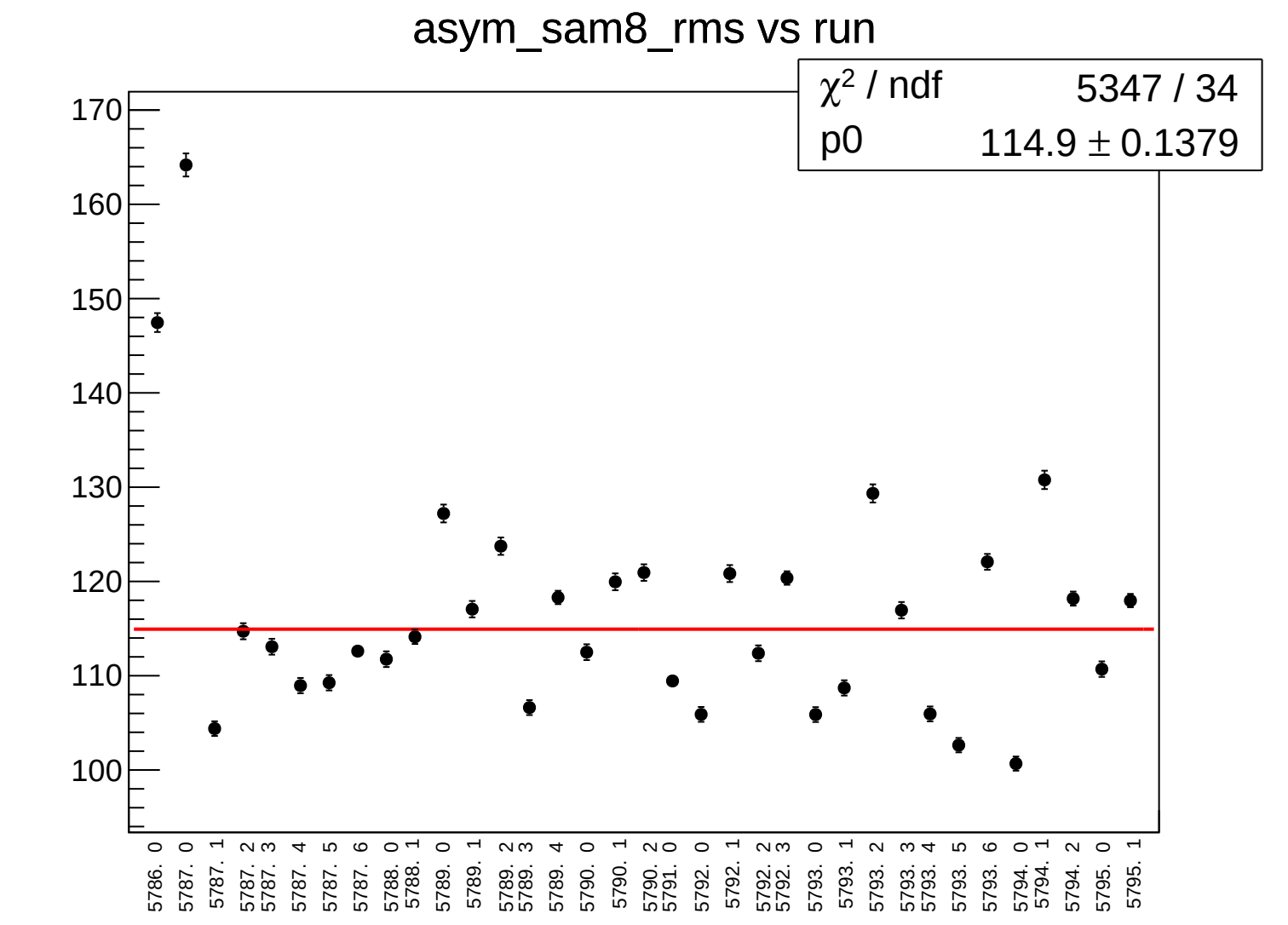

dit_asym_sam8_mean vs run
χ² / ndf 37.54 / 34
p0 250.6 ± 202
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 124.2
Std Dev 107.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

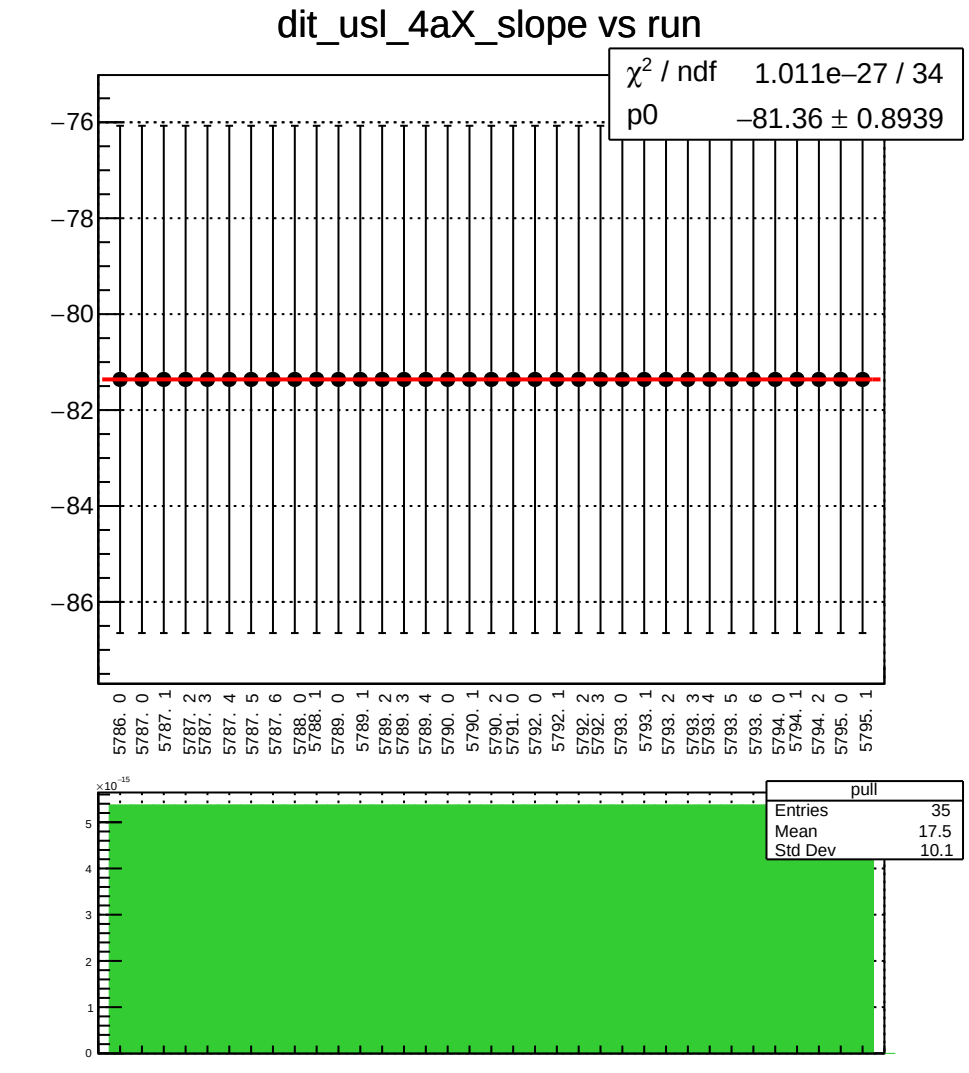

pull1D
Entries 35
Mean −0.01422
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

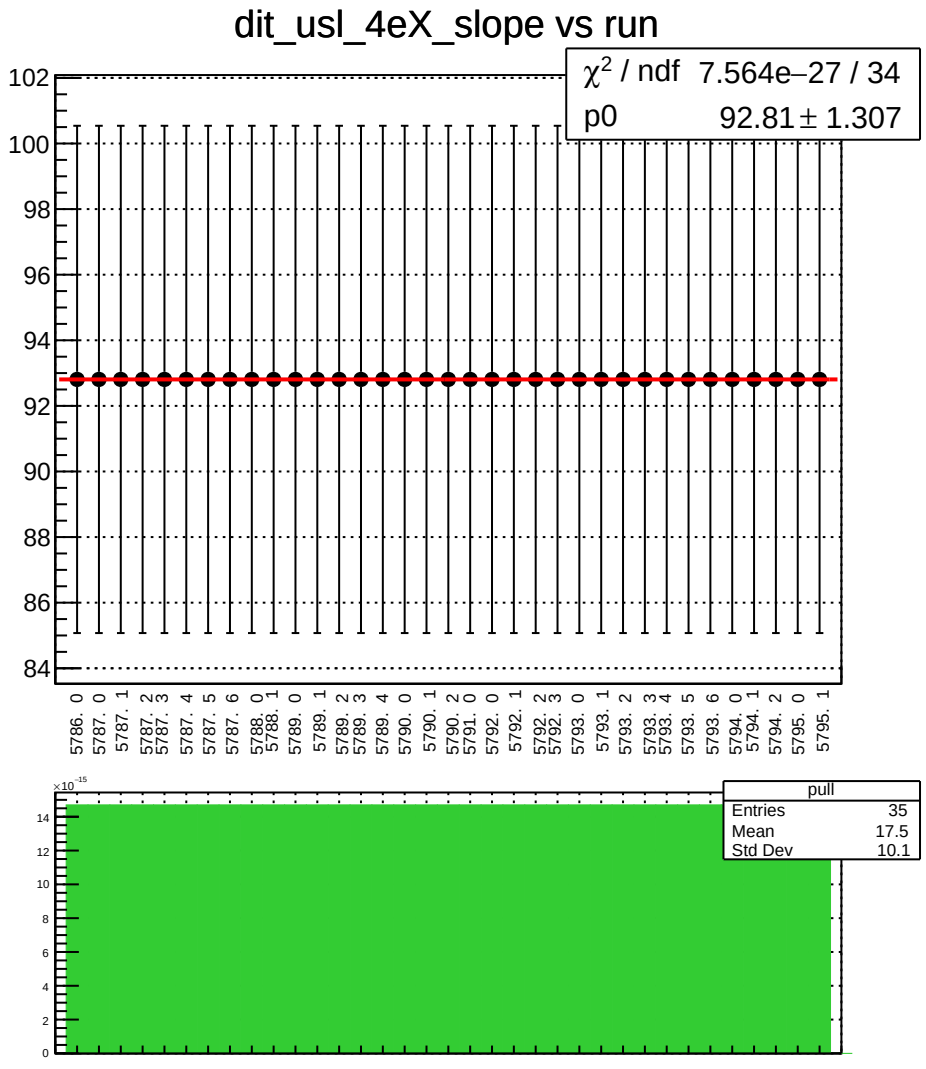

dit_asym_sam8_rms vs run
χ² / ndf 3261 / 34
p0 119.2 ± 0.1428
135
130
125
120
115
110
105
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

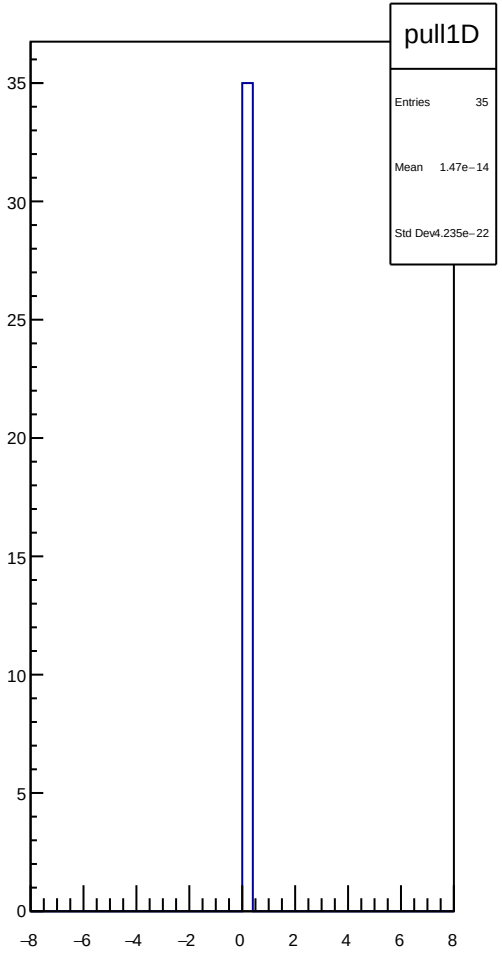

asym_sam8_mean vs run
χ² / ndf 31.98 / 34
p0 −44.09 ± 195.1
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 27.32
Std Dev 20.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

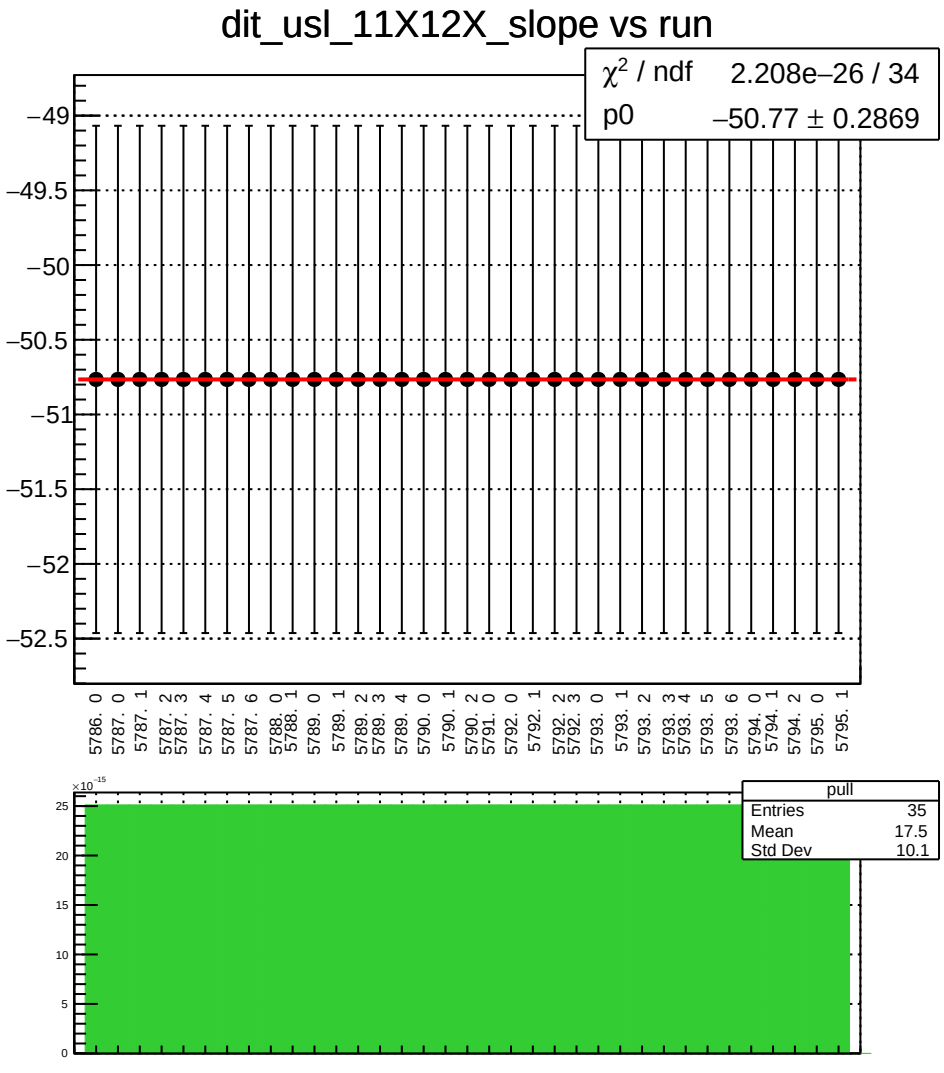

pull1D
Entries 35
Mean 0.02482
Std Dev 0.9556
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

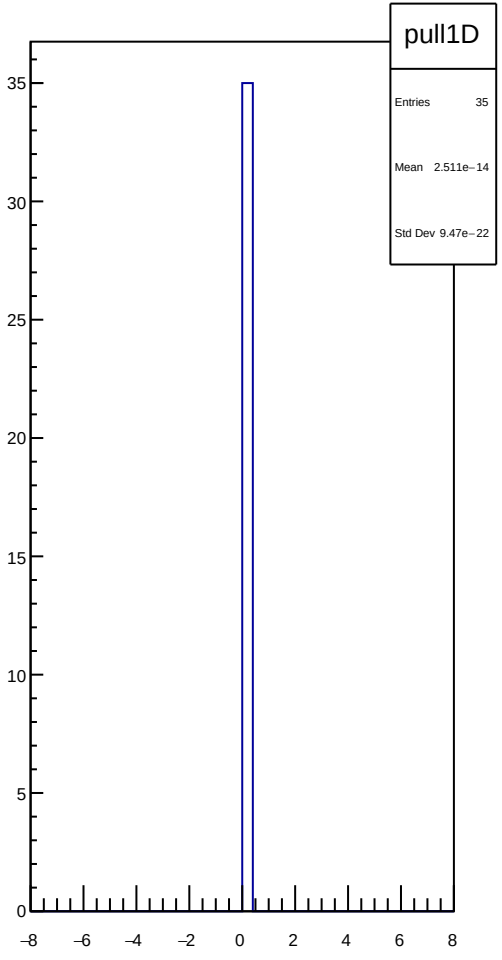

asym_sam8_rms vs run
χ² / ndf 5347 / 34
p0 114.9 ± 0.1379
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

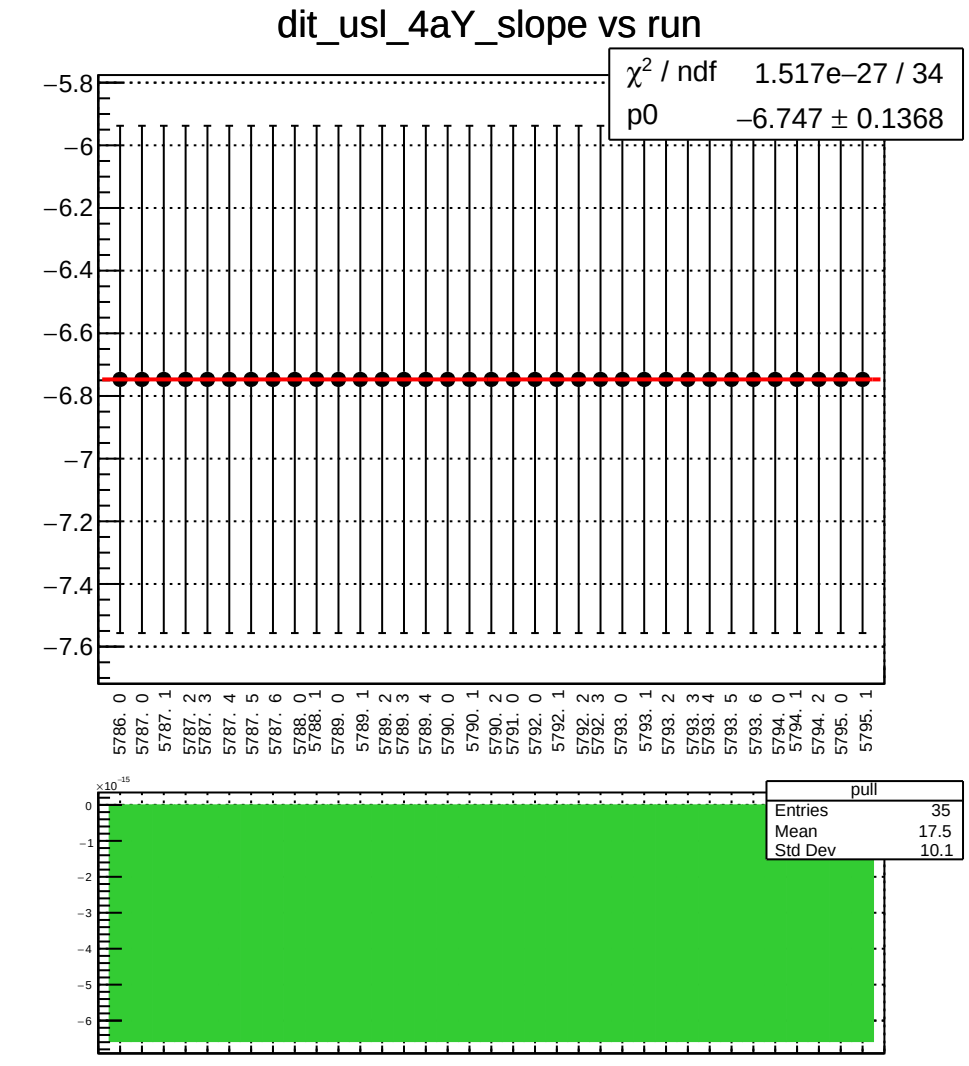

dit_usl_4aX_slope vs run
χ² / ndf 1.011e−27 / 34
p0 −81.36 ± 0.8939
−76
−78
−80
−82
−84
−86
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 5.375e−15
Std Dev1.674e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

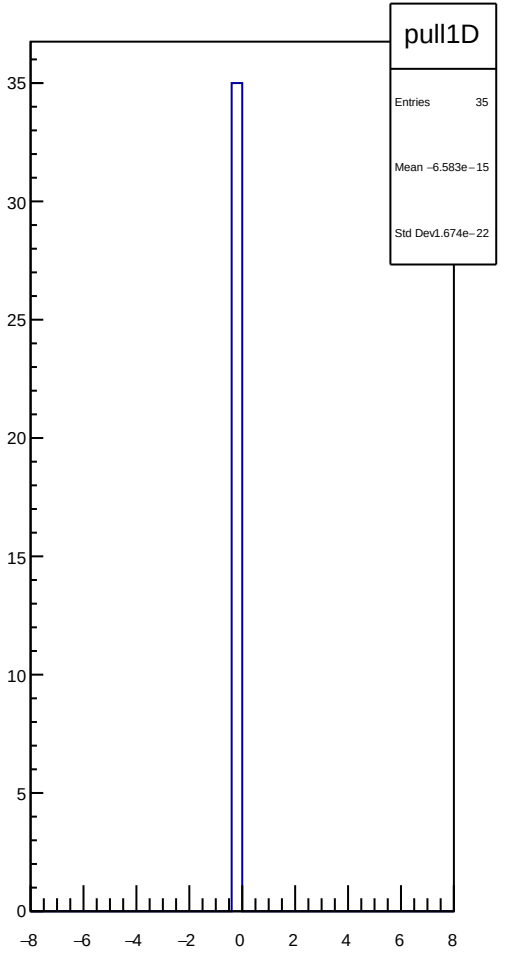

dit_usl_4eX_slope vs run
χ² / ndf 7.564e−27 / 34
p0 92.81 ± 1.307
102
100
98
96
94
92
90
88
86
84
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

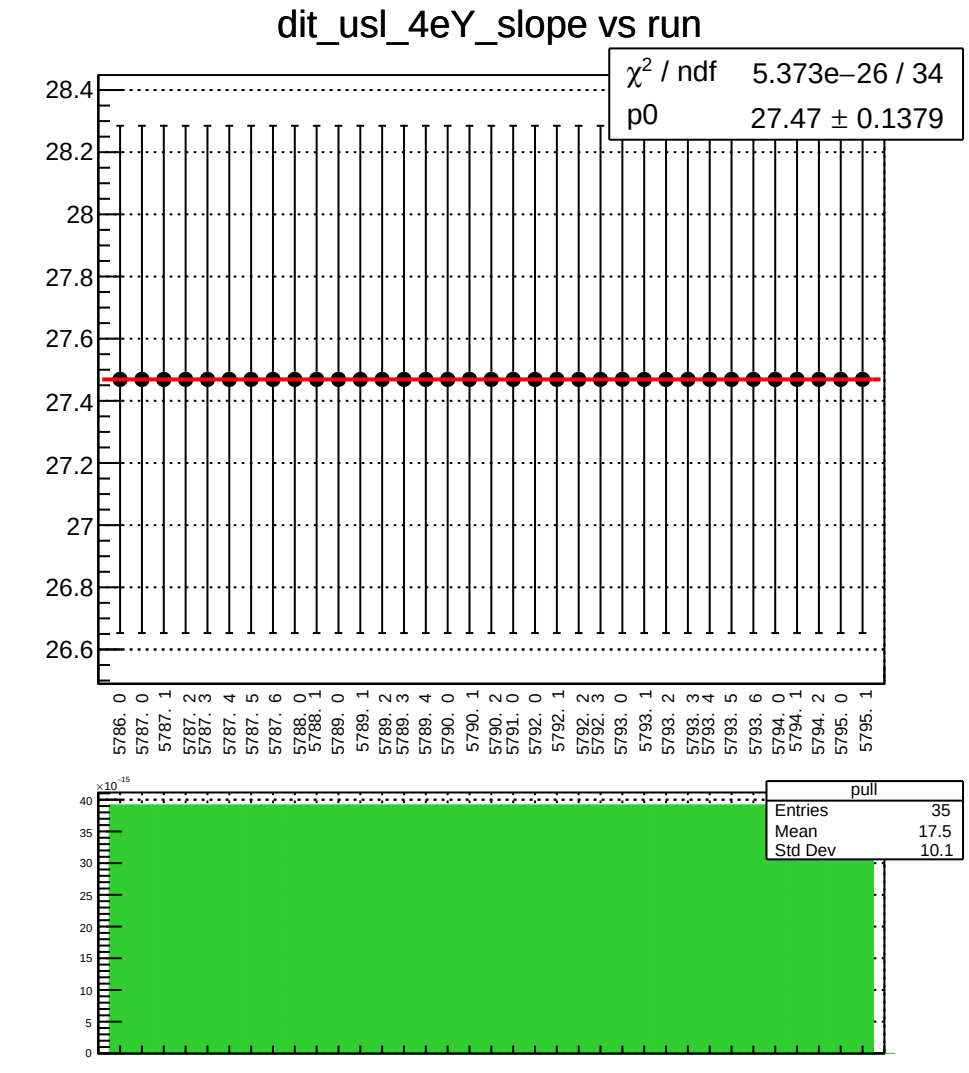

pull1D
Entries 35
Mean 1.47e−14
Std Dev 4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

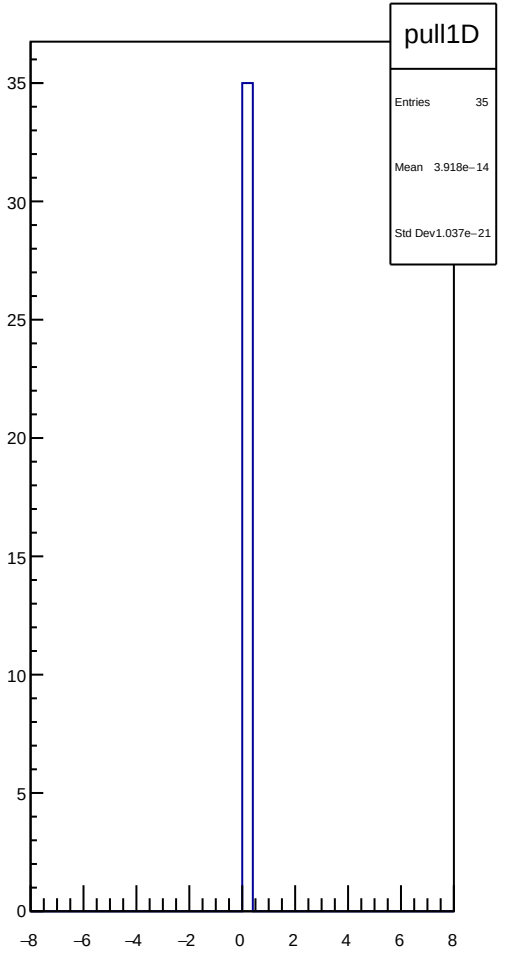

dit_usl_11X12X_slope vs run
χ² / ndf 2.208e−26 / 34
p0 −50.77 ± 0.2869
−49
−49.5
−50
−50.5
−51
−51.5
−52
−52.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

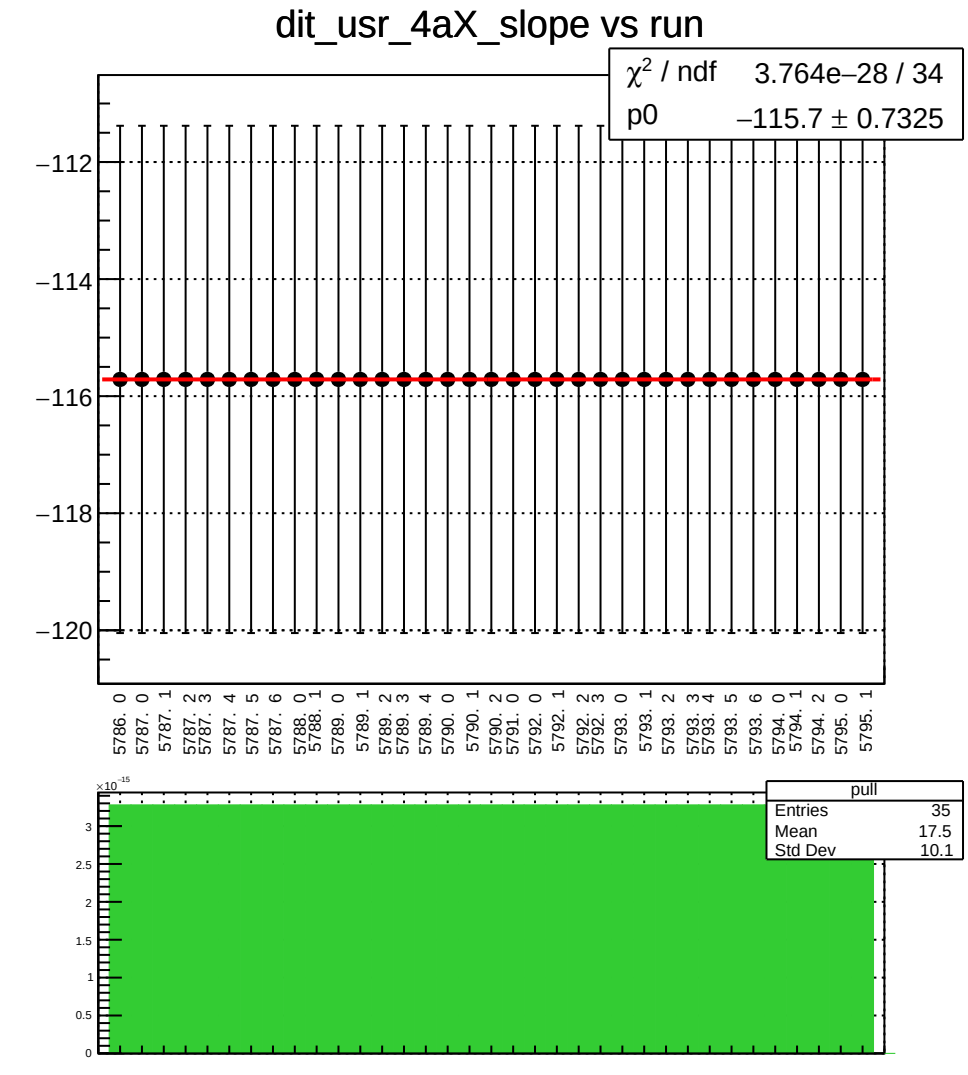

pull1D
Entries 35
Mean 2.511e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

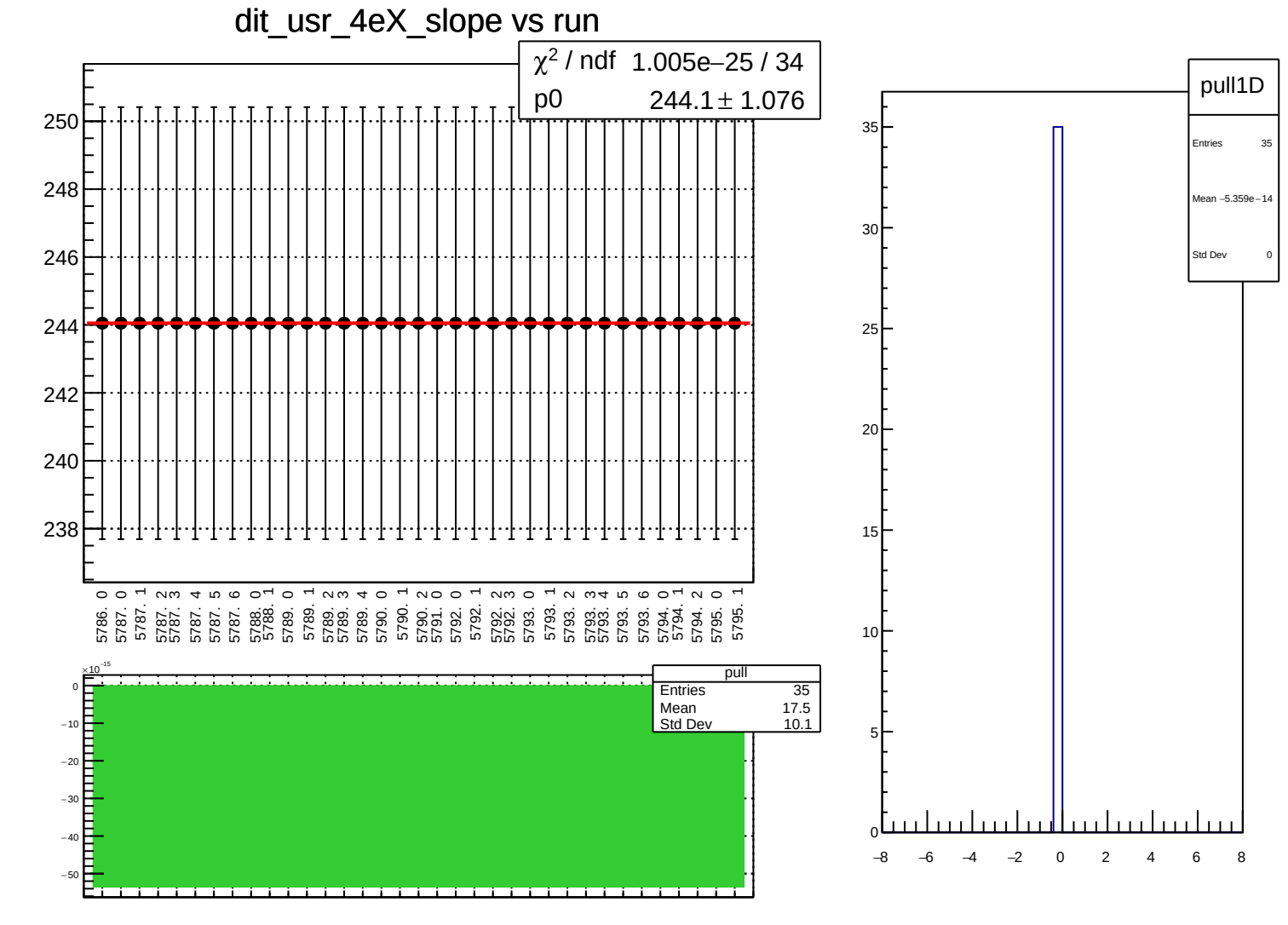

dit_usl_4aY_slope vs run
χ² / ndf 1.517e−27 / 34
p0 −6.747 ± 0.1368
−5.8
−6
−6.2
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 35
Mean 17.5
Std Dev 10.1

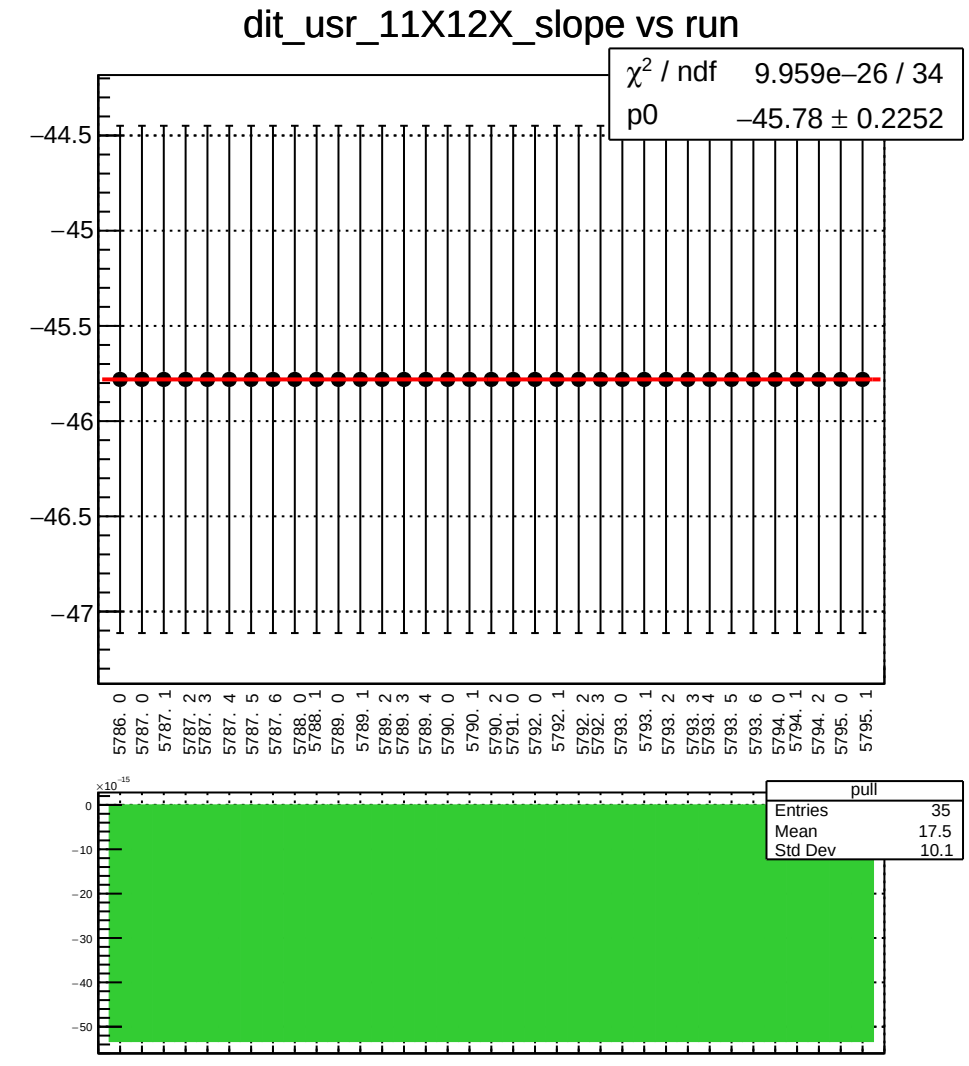

pull1D
Entries 35
Mean −6.583e−15
Std Dev1.674e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

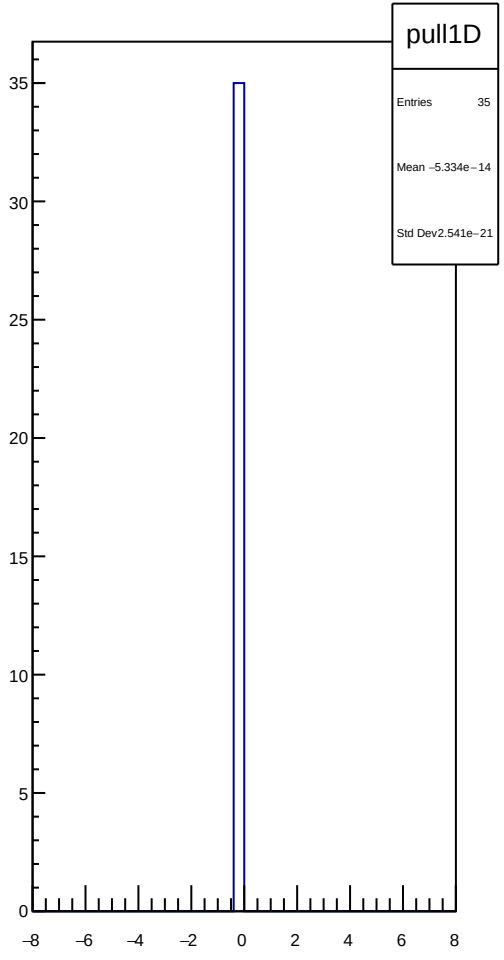

dit_usl_4eY_slope vs run
χ² / ndf 5.373e−26 / 34
p0 27.47 ± 0.1379
28.4
28.2
28
27.8
27.6
27.4
27.2
27
26.8
26.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

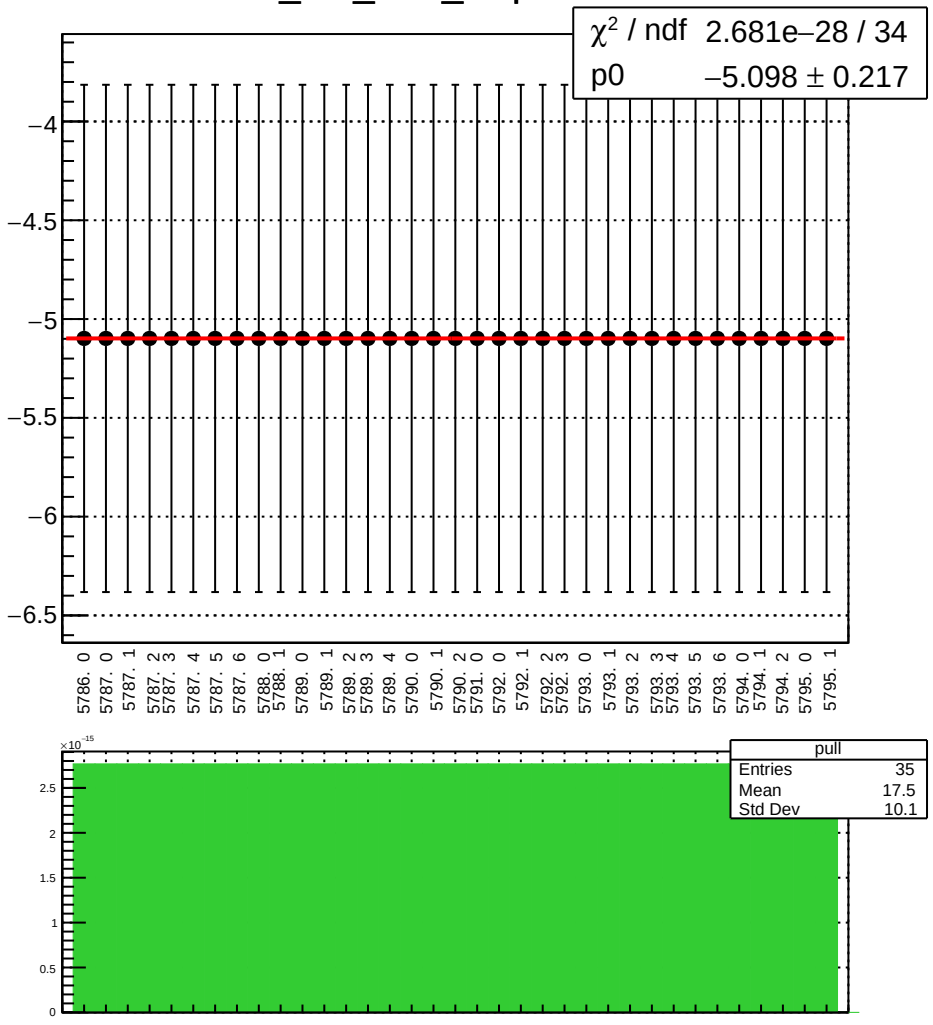

pull1D
Entries 35
Mean 3.918e−14
Std Dev1.037e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

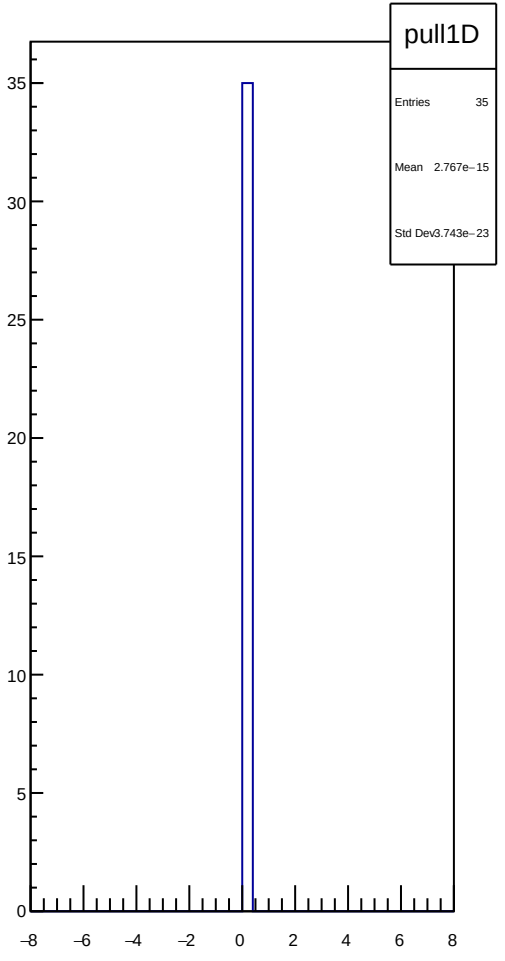

dit_usr_4aX_slope vs run
χ² / ndf 3.764e−28 / 34
p0 −115.7 ± 0.7325
−112
−114
−116
−118
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 3.279e−15
Std Dev1.297e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

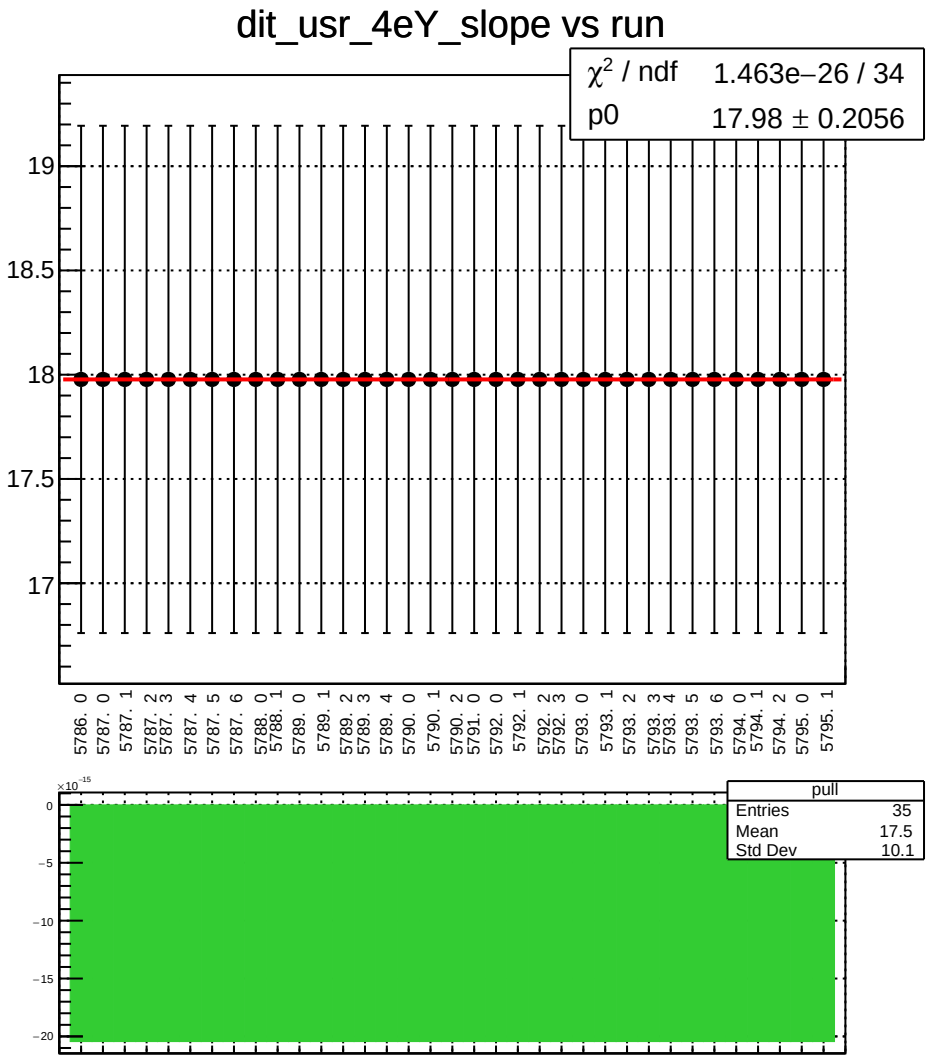

dit_usr_4eX_slope vs run
χ² / ndf 1.005e−25 / 34
p0 244.1 ± 1.076
250
248
246
244
242
240
238
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −5.359e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

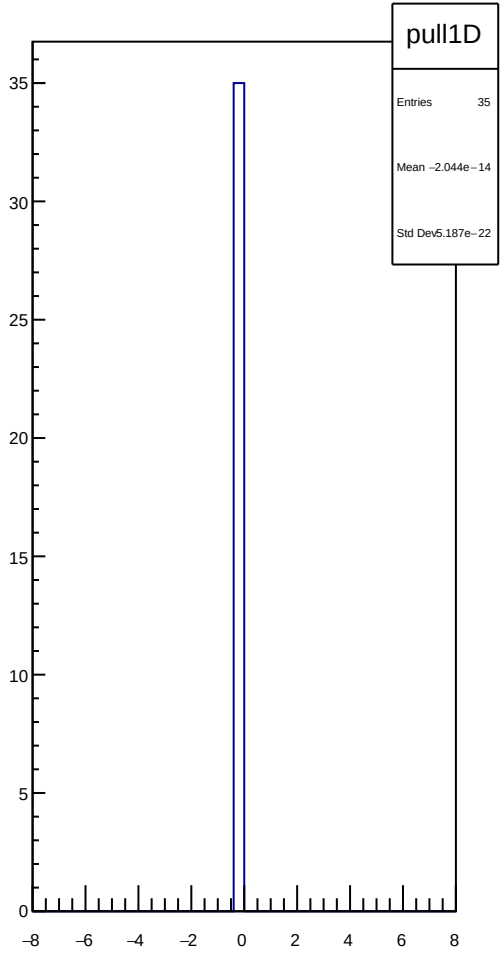

dit_usr_11X12X_slope vs run
χ² / ndf 9.959e−26 / 34
p0 −45.78 ± 0.2252
−44.5
−45
−45.5
−46
−46.5
−47
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 35
Mean 17.5
Std Dev 10.1

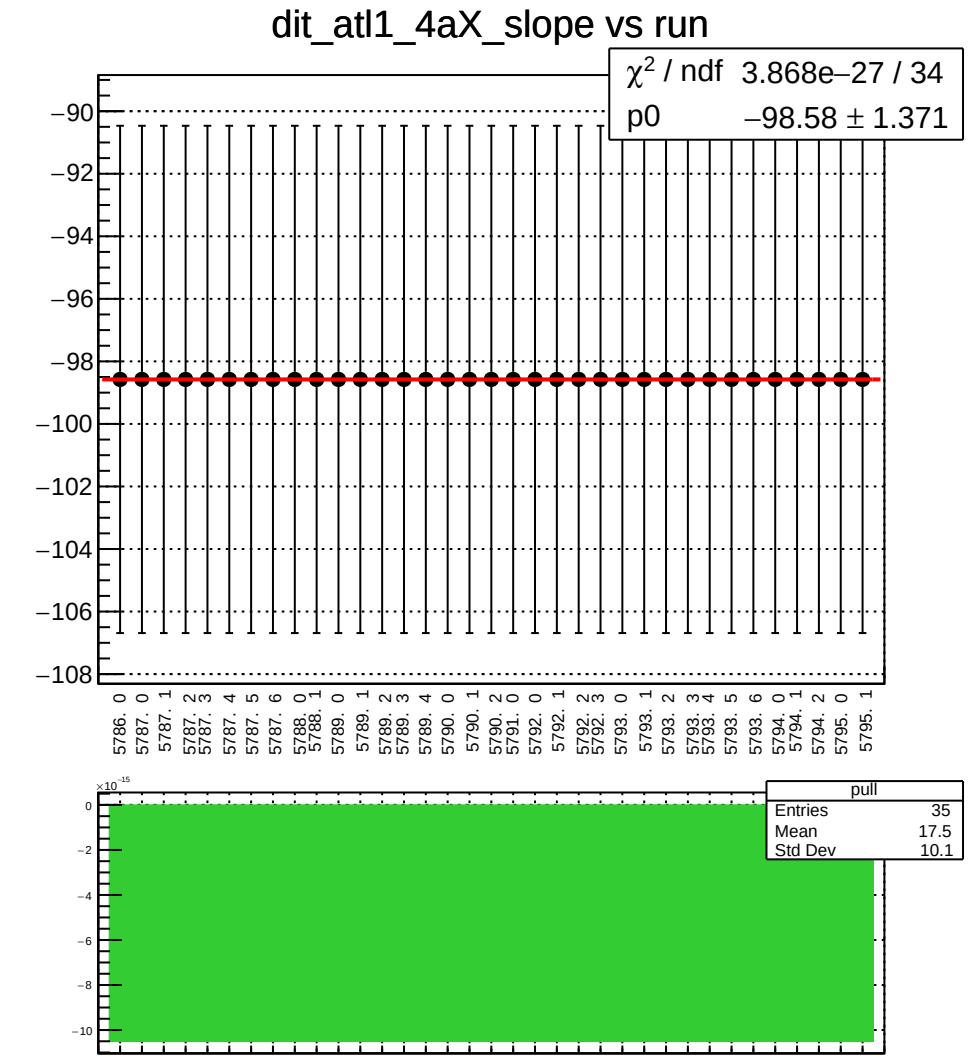

pull1D
Entries 35
Mean −5.334e−14
Std Dev2.541e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

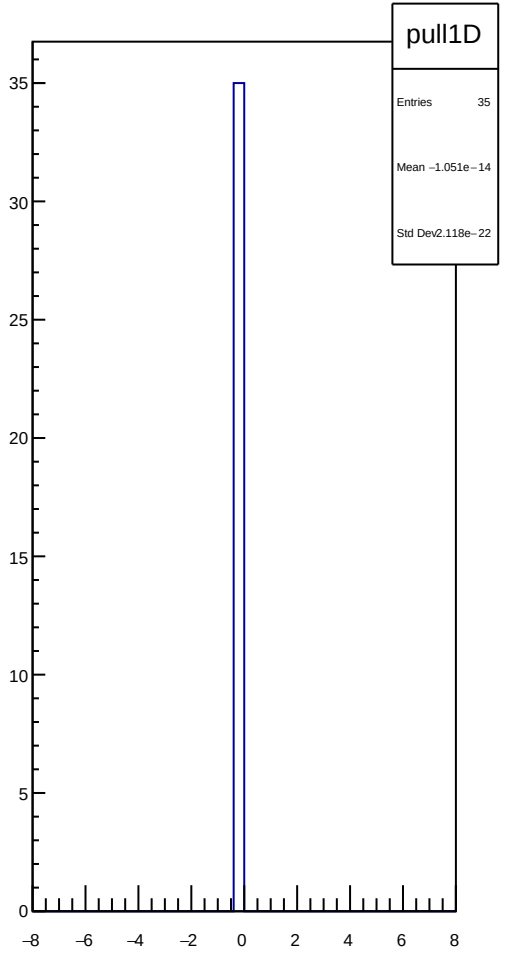

dit_usr_4aY_slope vs run
χ² / ndf 2.681e−28 / 34
p0 −5.098 ± 0.217
−4
−4.5
−5
−5.5
−6
−6.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

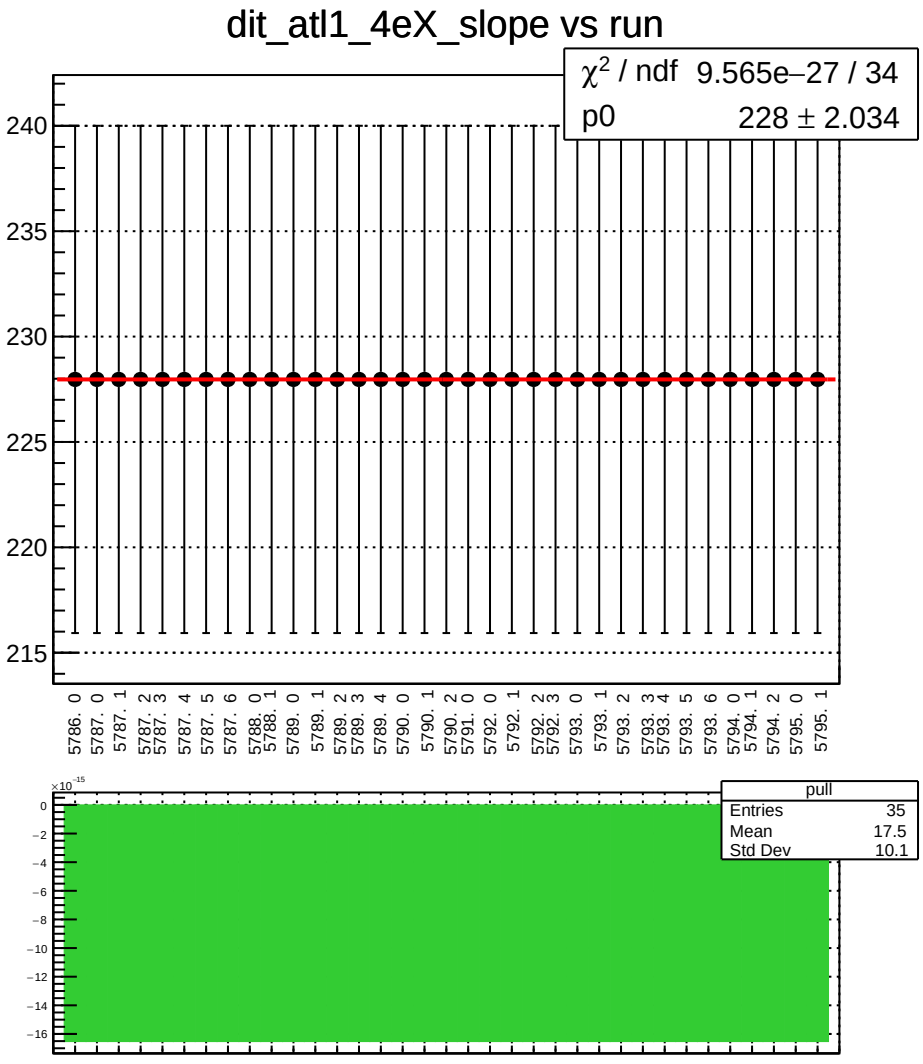

pull1D
Entries 35
Mean 2.767e−15
Std Dev 3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

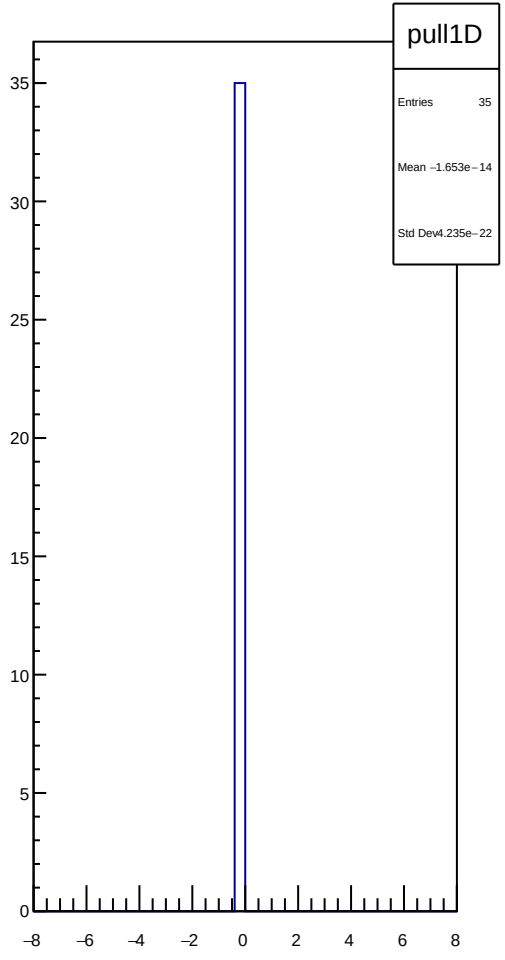

dit_usr_4eY_slope vs run
χ² / ndf 1.463e−26 / 34
p0 17.98 ± 0.2056
19
18.5
18
17.5
17
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 35
Mean 17.5
Std Dev 10.1

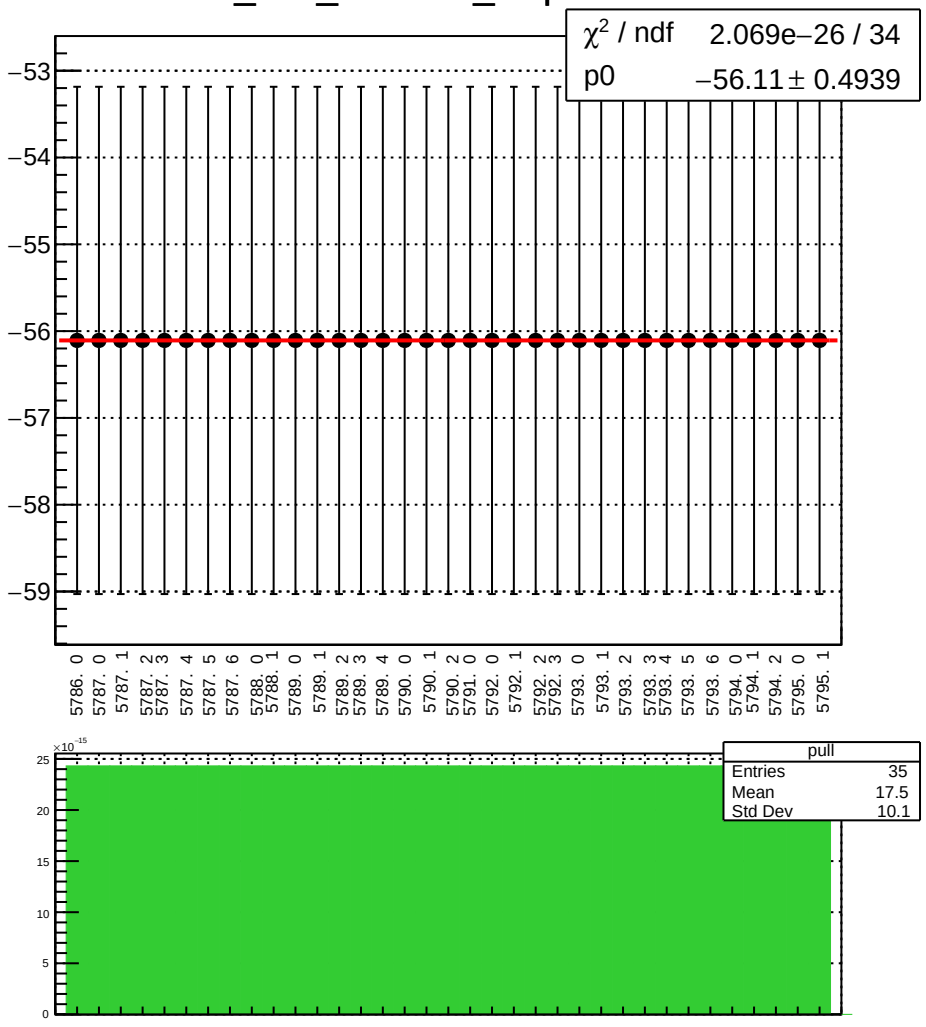

pull1D
Entries 35
Mean −2.044e−14
Std Dev 5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

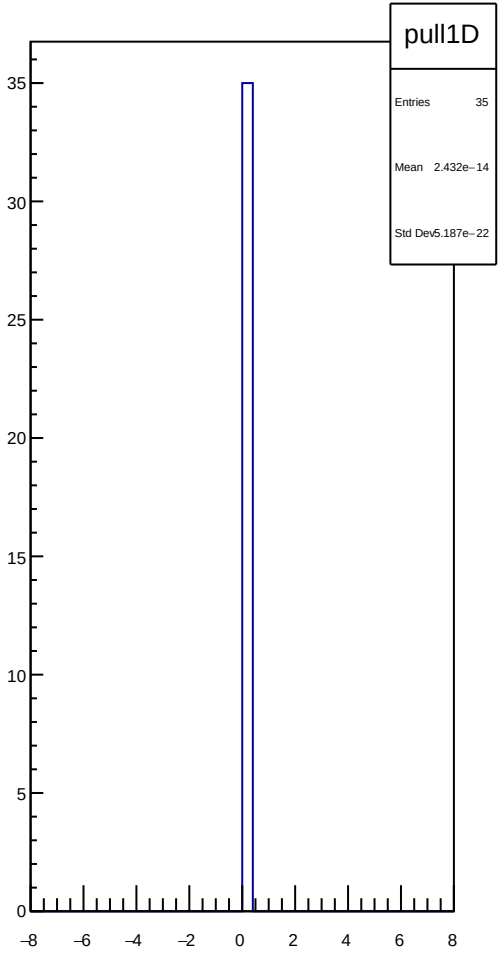

dit_atl1_4aX_slope vs run
χ² / ndf 3.868e−27 / 34
p0 −98.58 ± 1.371
−90
−92
−94
−96
−98
−100
−102
−104
−106
−108
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 35
Mean 17.5
Std Dev 10.1

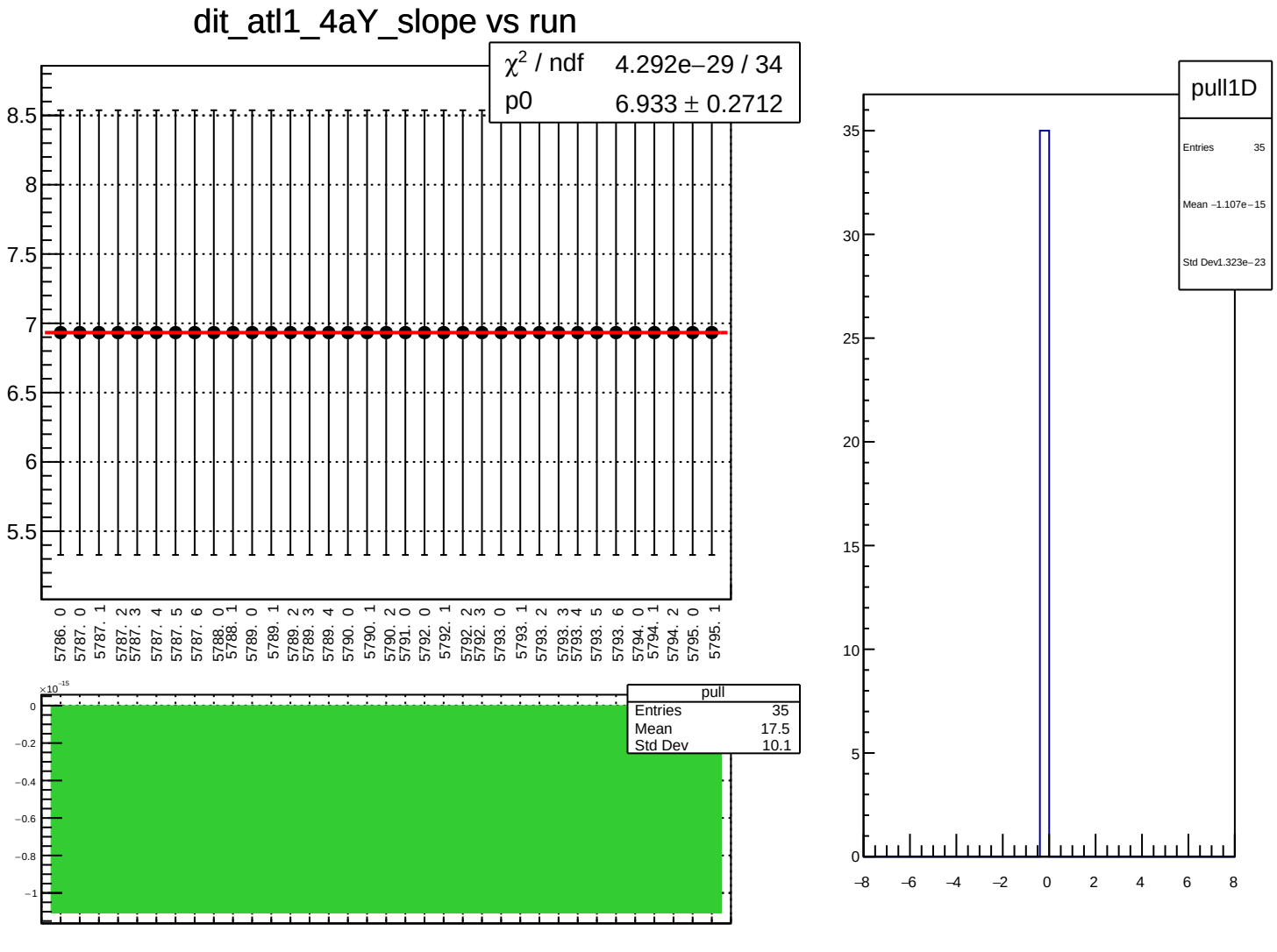

pull1D
Entries 35
Mean −1.051e−14
Std Dev 2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

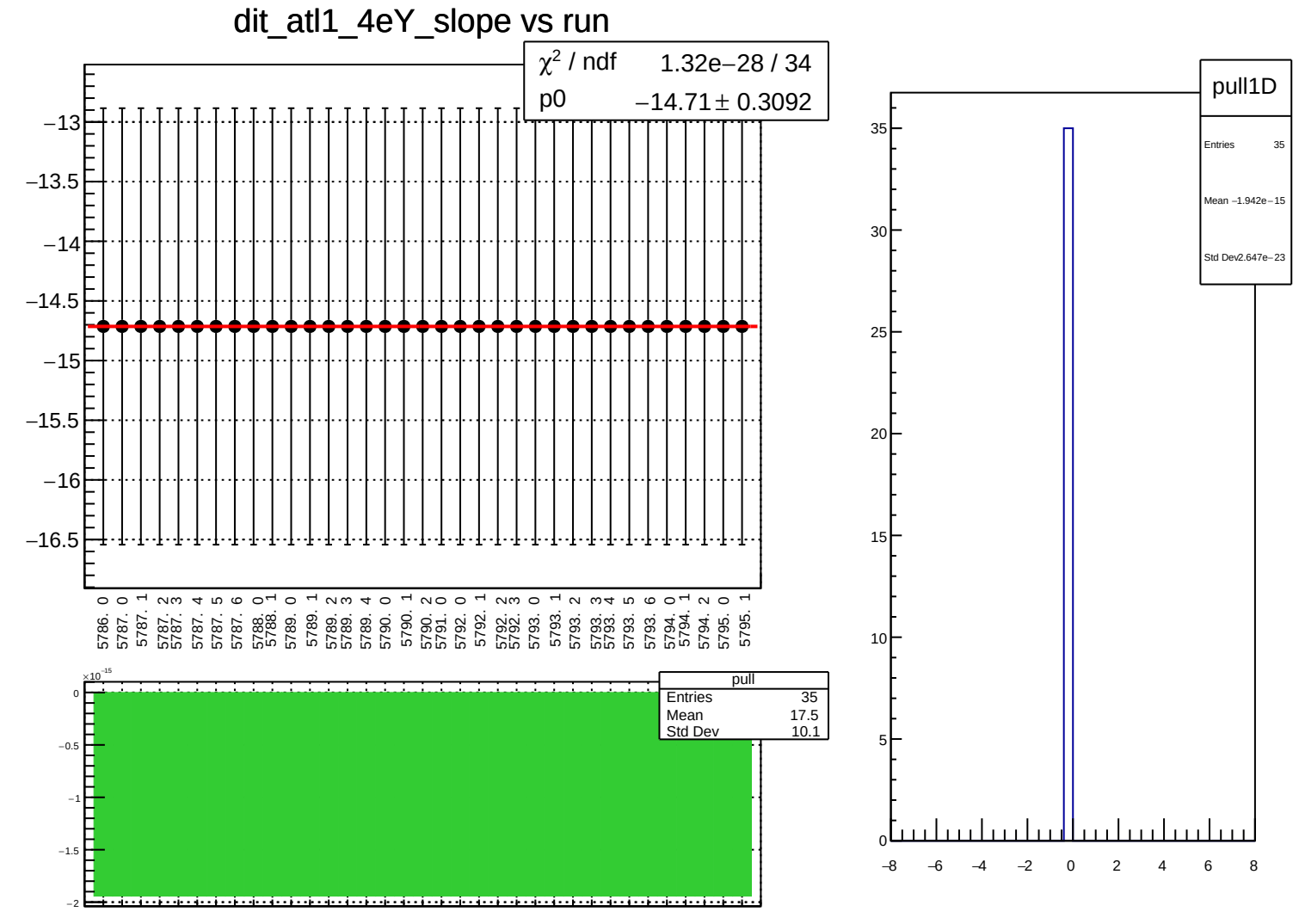

dit_atl1_4eX_slope vs run
χ² / ndf 9.565e−27 / 34
p0 228 ± 2.034
240
235
230
225
220
215
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 35
Mean 17.5
Std Dev 10.1

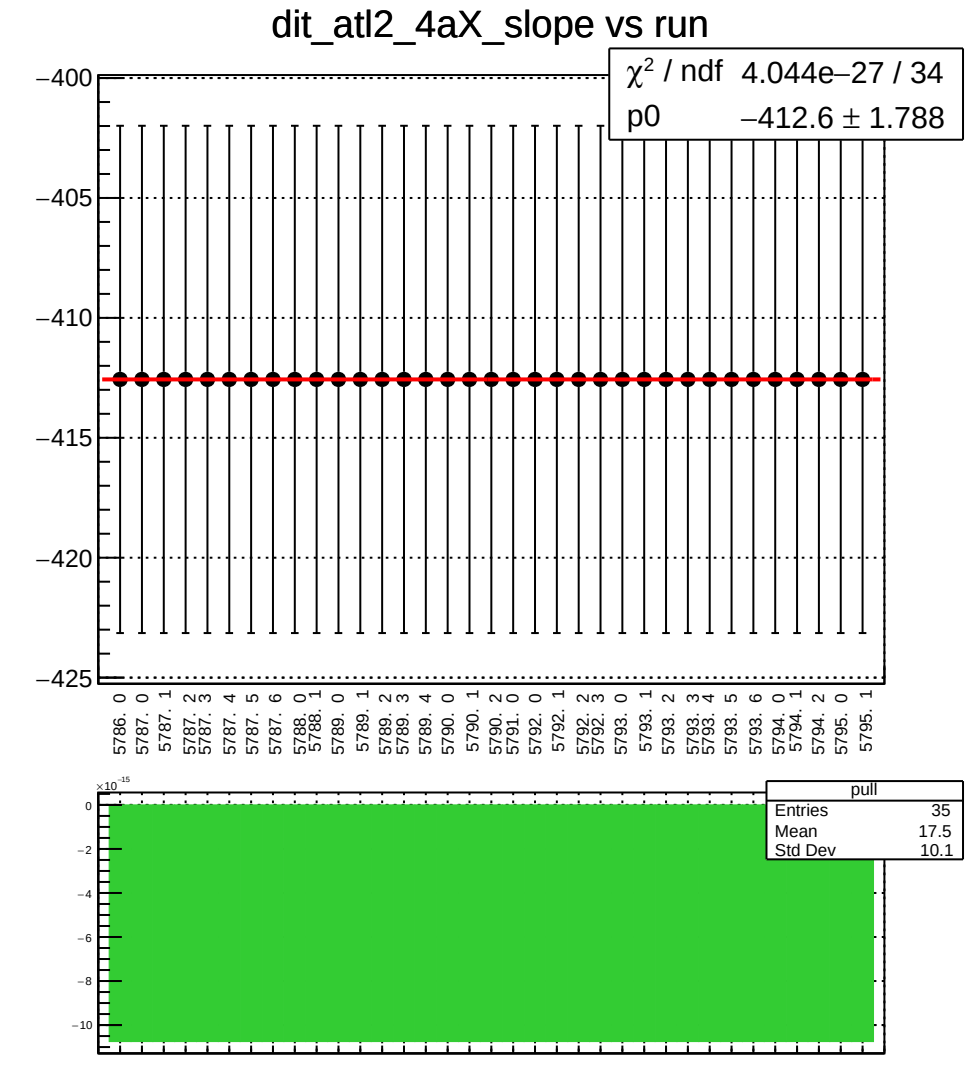

pull1D
Entries 35
Mean −1.653e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

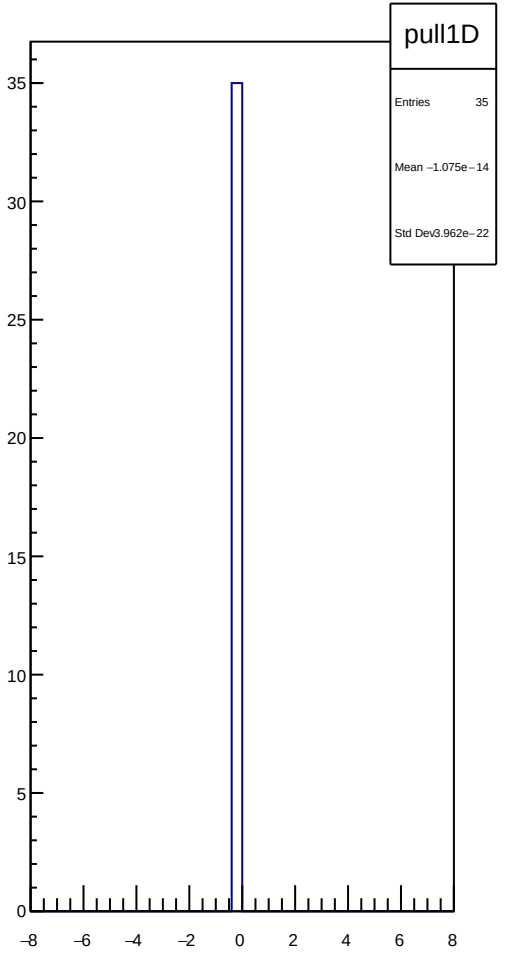

dit_atl1_11X12X_slope vs run
χ² / ndf 2.069e−26 / 34
p0 −56.11 ± 0.4939
−53
−54
−55
−56
−57
−58
−59
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

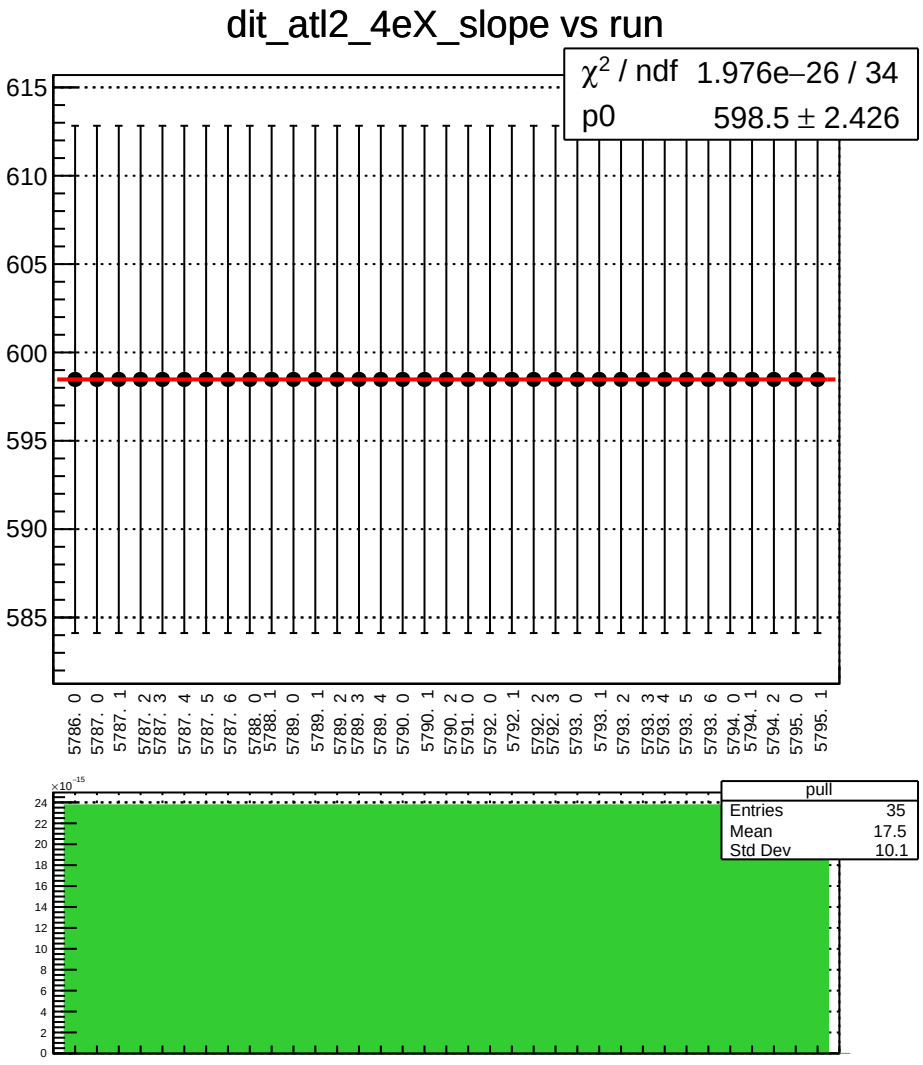

pull1D
Entries 35
Mean 2.432e−14
Std Dev5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

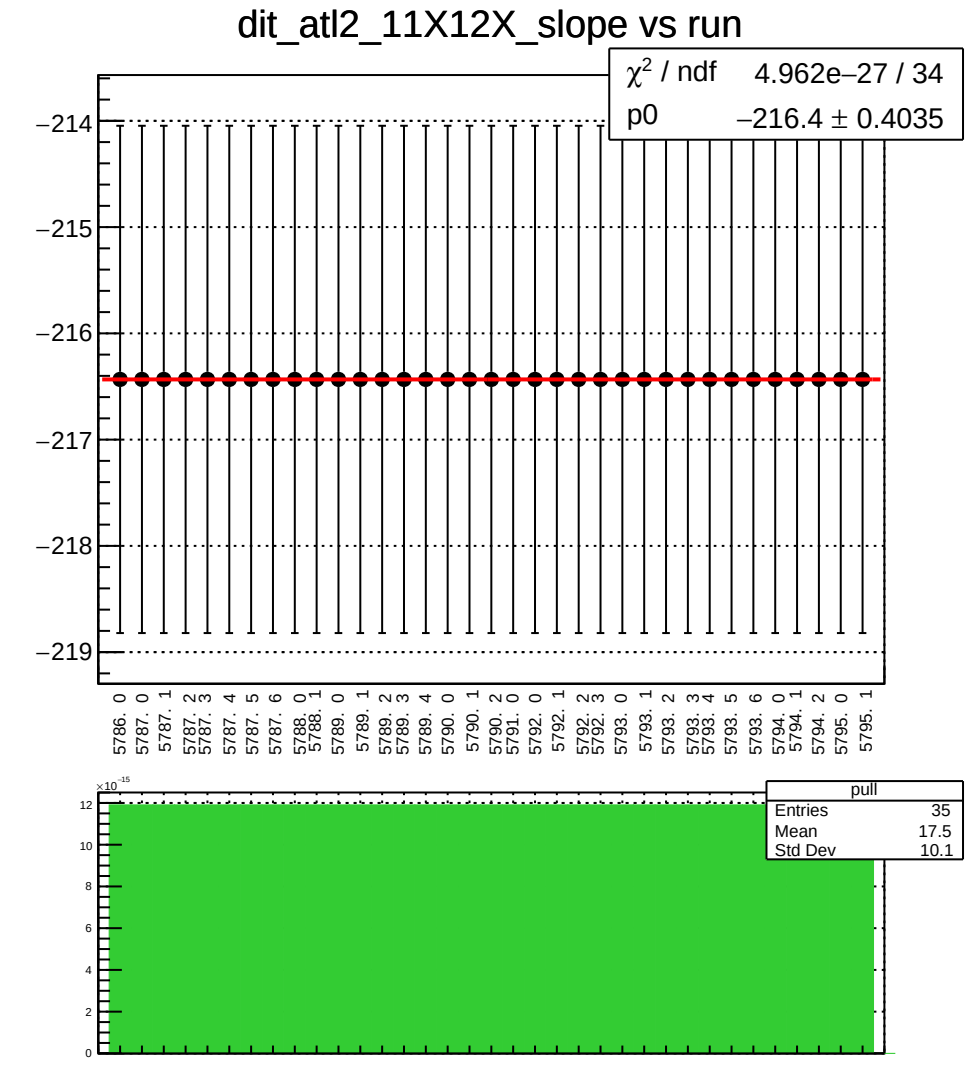

dit_atl1_4aY_slope vs run
χ² / ndf 4.292e−29 / 34
p0 6.933 ± 0.2712
8.5
8
7.5
7
6.5
6
5.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −1.107e−15
Std Dev1.323e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

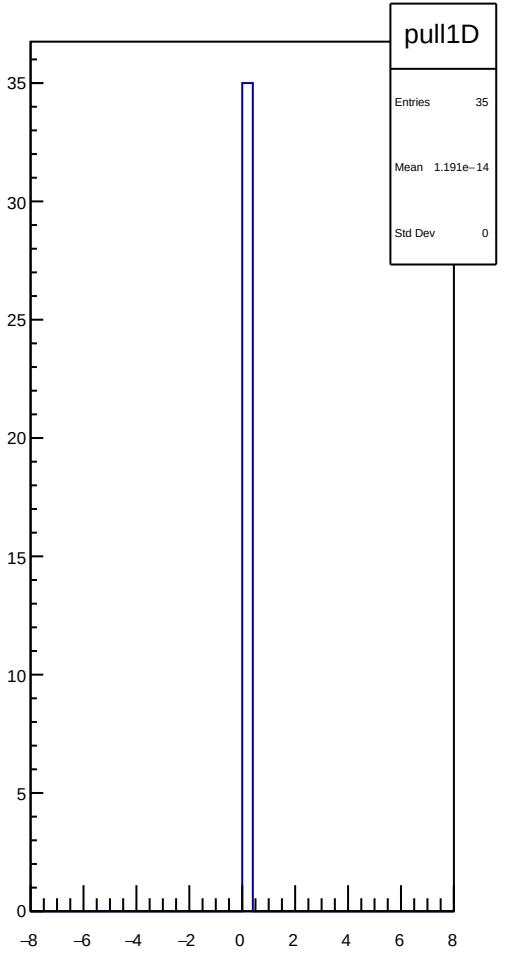

dit_atl1_4eY_slope vs run
χ² / ndf 1.32e−28 / 34
p0 −14.71 ± 0.3092
−13
−13.5
−14
−14.5
−15
−15.5
−16
−16.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −1.942e−15
Std Dev 2.647e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

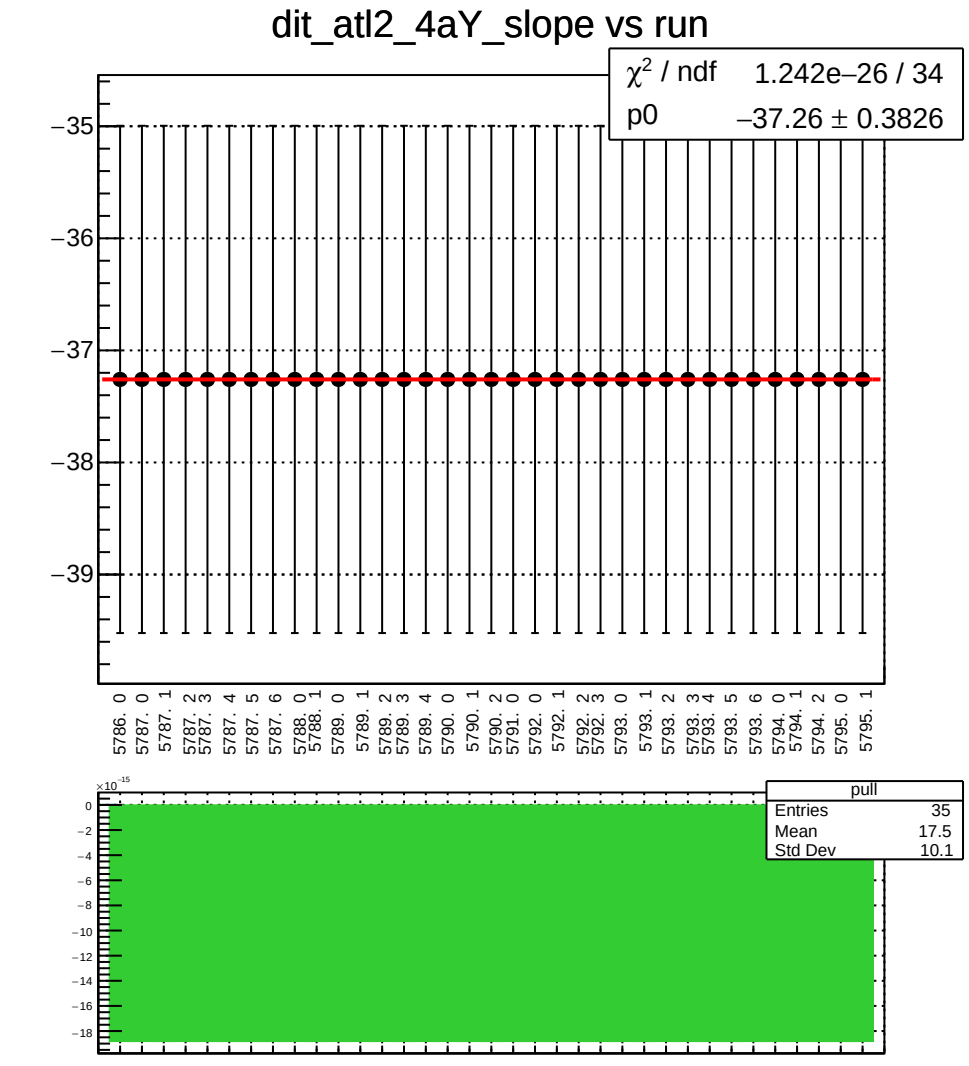

dit_atl2_4aX_slope vs run
χ² / ndf 4.044e−27 / 34
p0 −412.6 ± 1.788
−400
−405
−410
−415
−420
−425
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 35
Mean 17.5
Std Dev 10.1

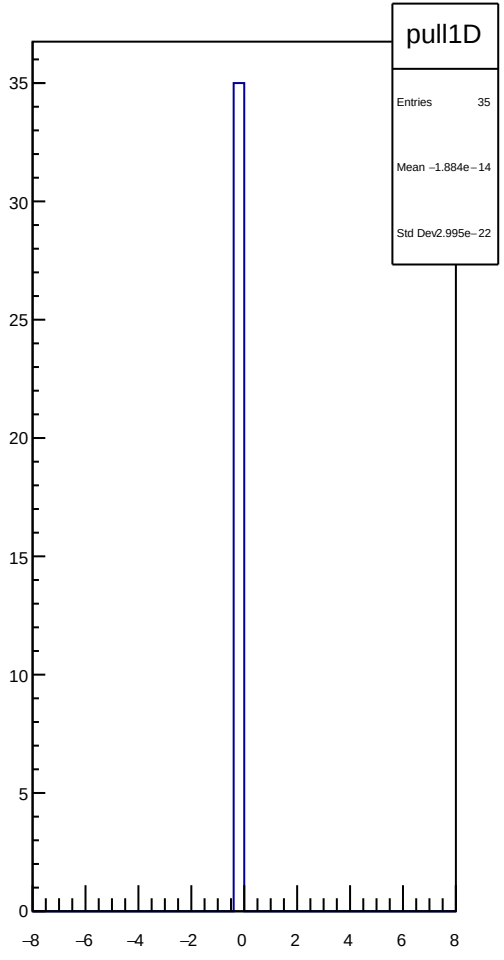

pull1D
Entries 35
Mean −1.075e−14
Std Dev3.962e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

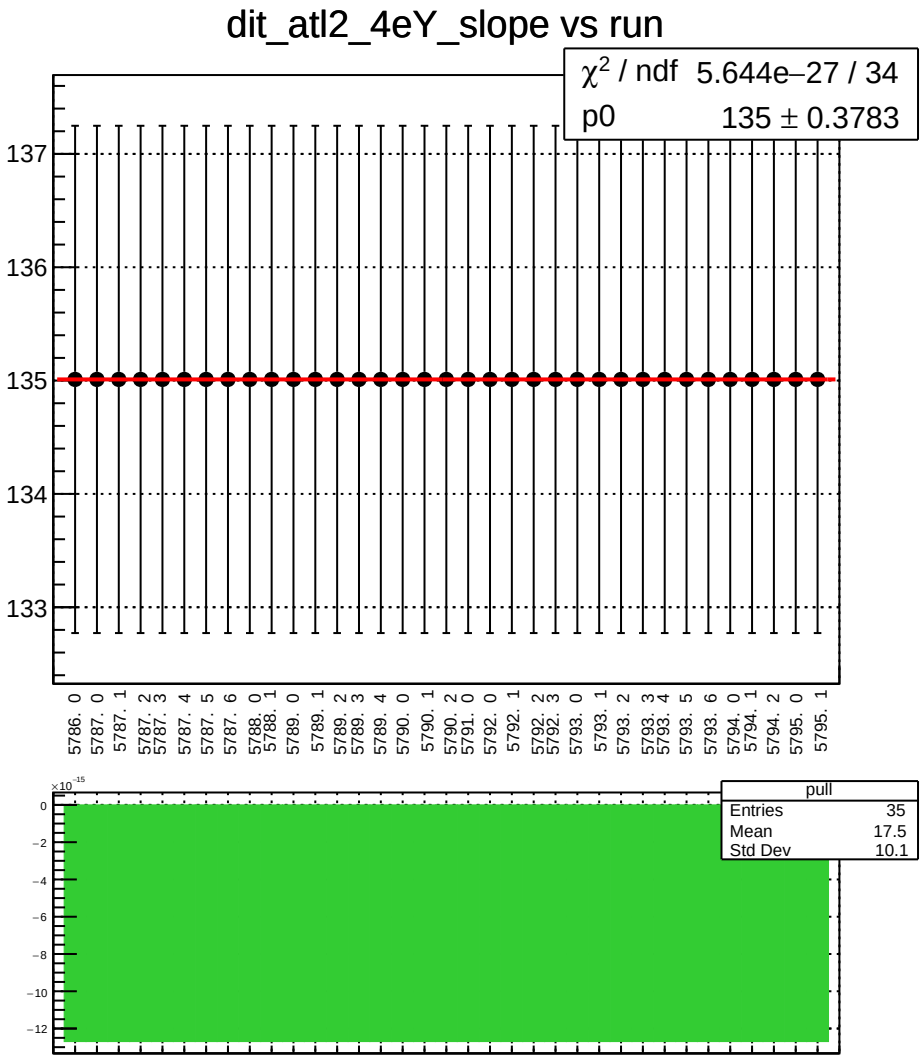

dit_atl2_4eX_slope vs run
χ² / ndf 1.976e−26 / 34
p0 598.5 ± 2.426
615
610
605
600
595
590
585
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 2.376e−14
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

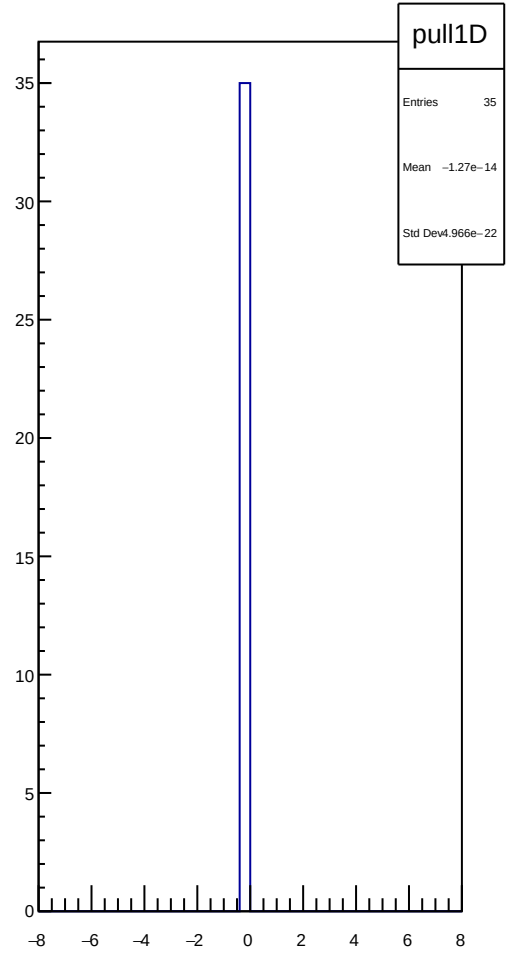

dit_atl2_11X12X_slope vs run
χ² / ndf 4.962e−27 / 34
p0 −216.4 ± 0.4035
−214
−215
−216
−217
−218
−219
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

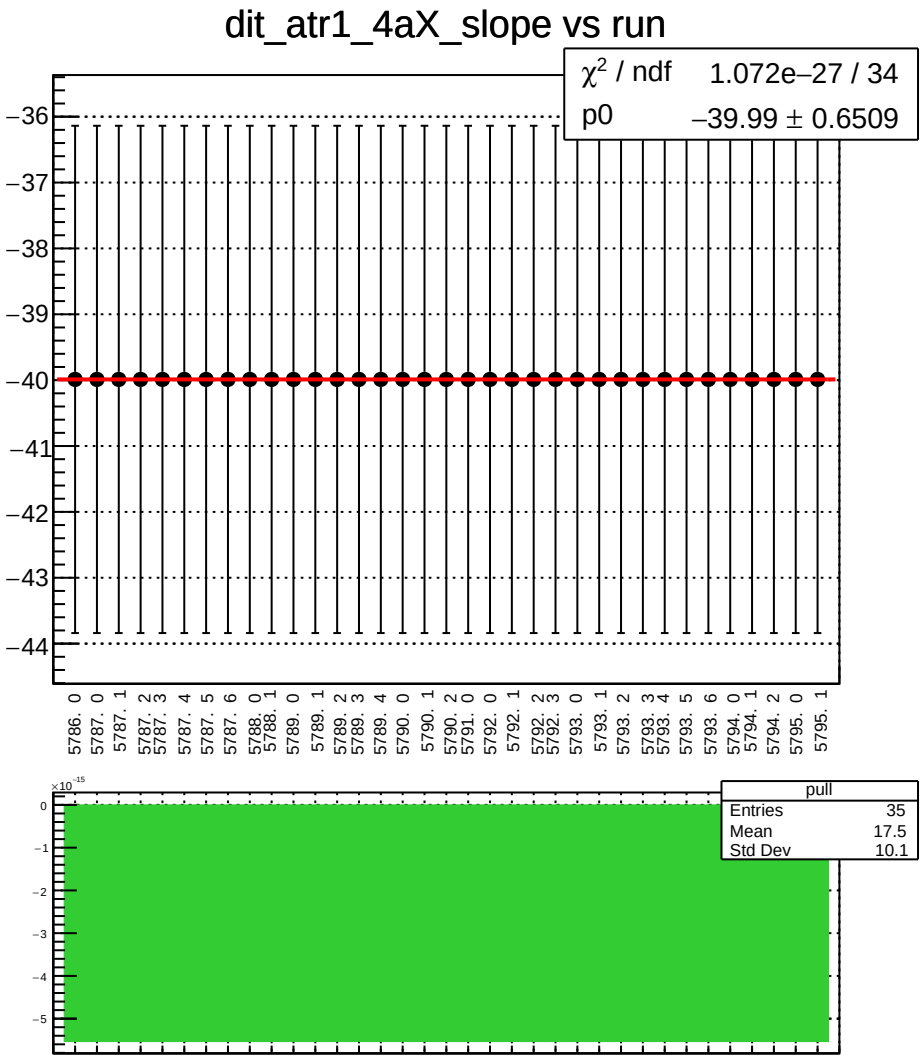

pull1D
Entries 35
Mean 1.191e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

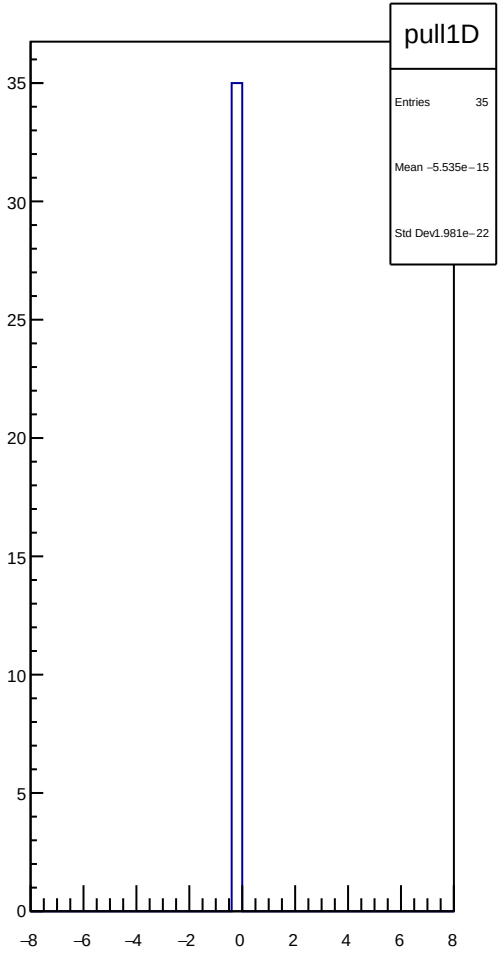

dit_atl2_4aY_slope vs run
χ² / ndf 1.242e−26 / 34
p0 −37.26 ± 0.3826
−35
−36
−37
−38
−39
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean 17.5
Std Dev 10.1

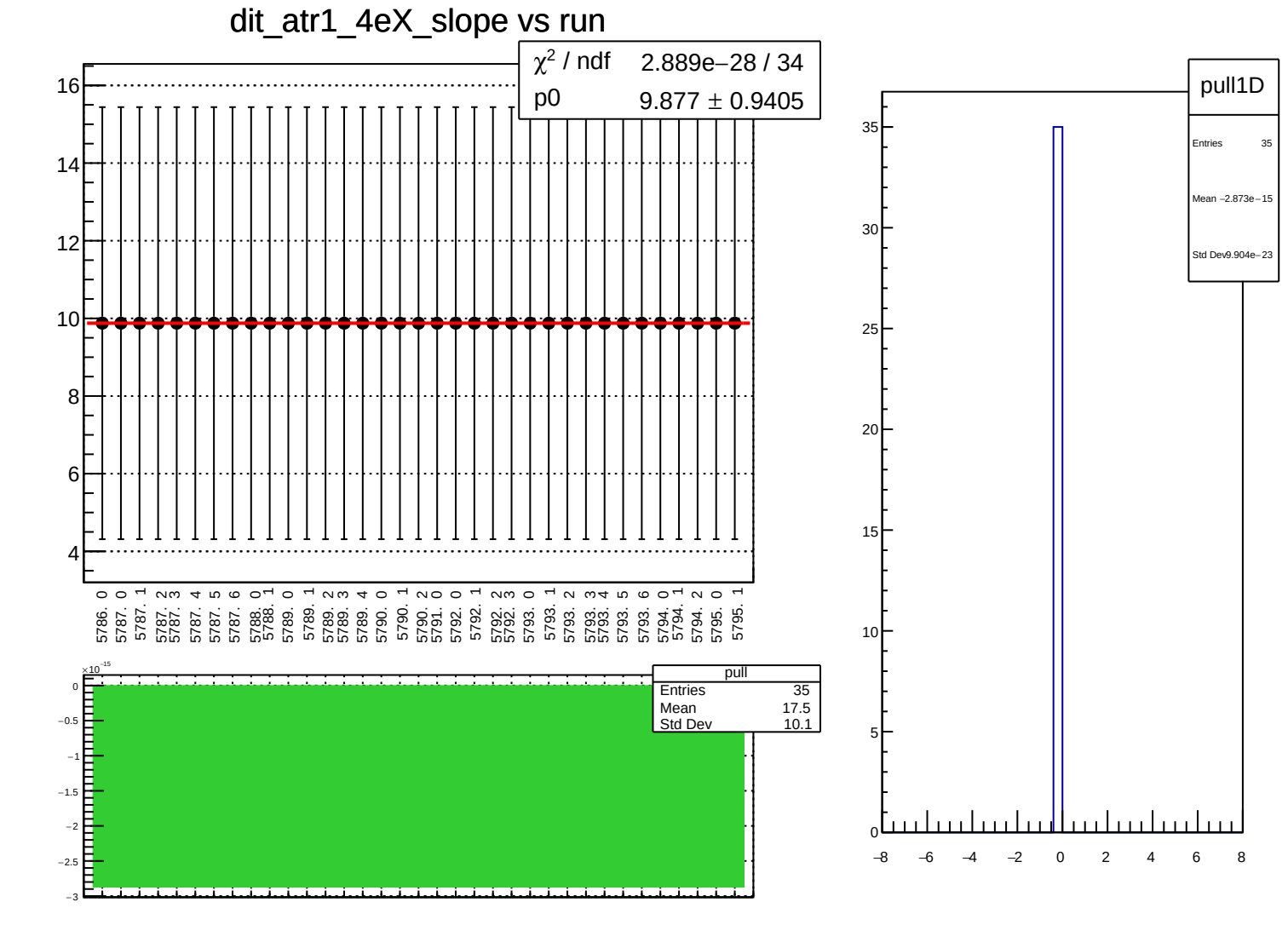

pull1D
Entries 35
Mean −1.884e−14
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

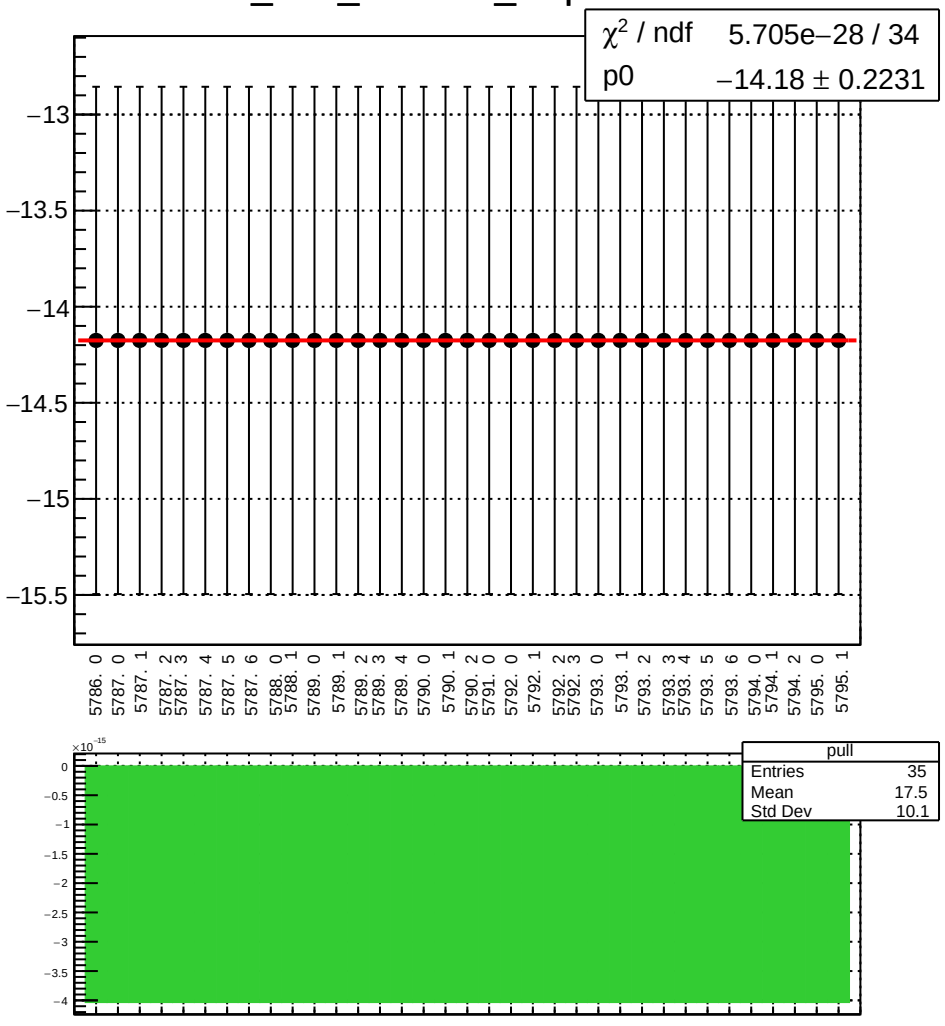

dit_atl2_4eY_slope vs run
χ² / ndf 5.644e−27 / 34
p0 135 ± 0.3783
137
136
135
134
133
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 35
Mean 17.5
Std Dev 10.1

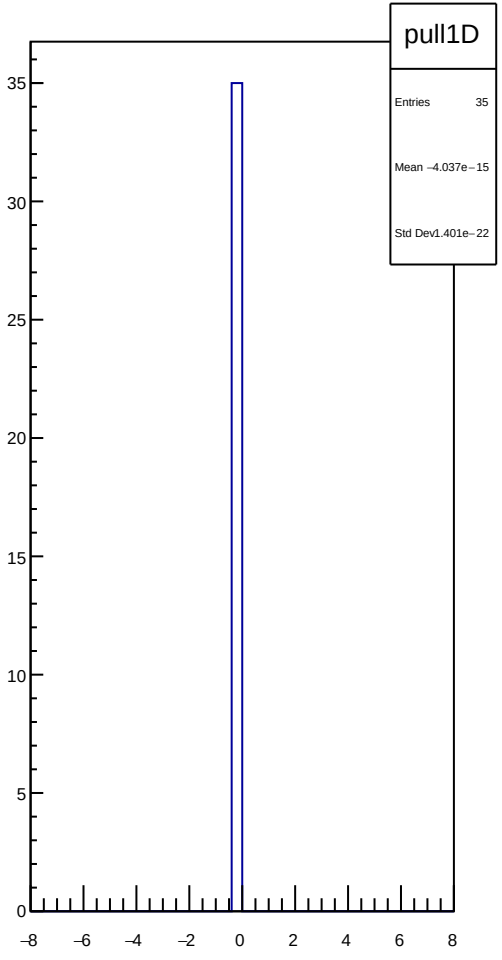

pull1D
Entries 35
Mean −1.27e−14
Std Dev 4.966e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

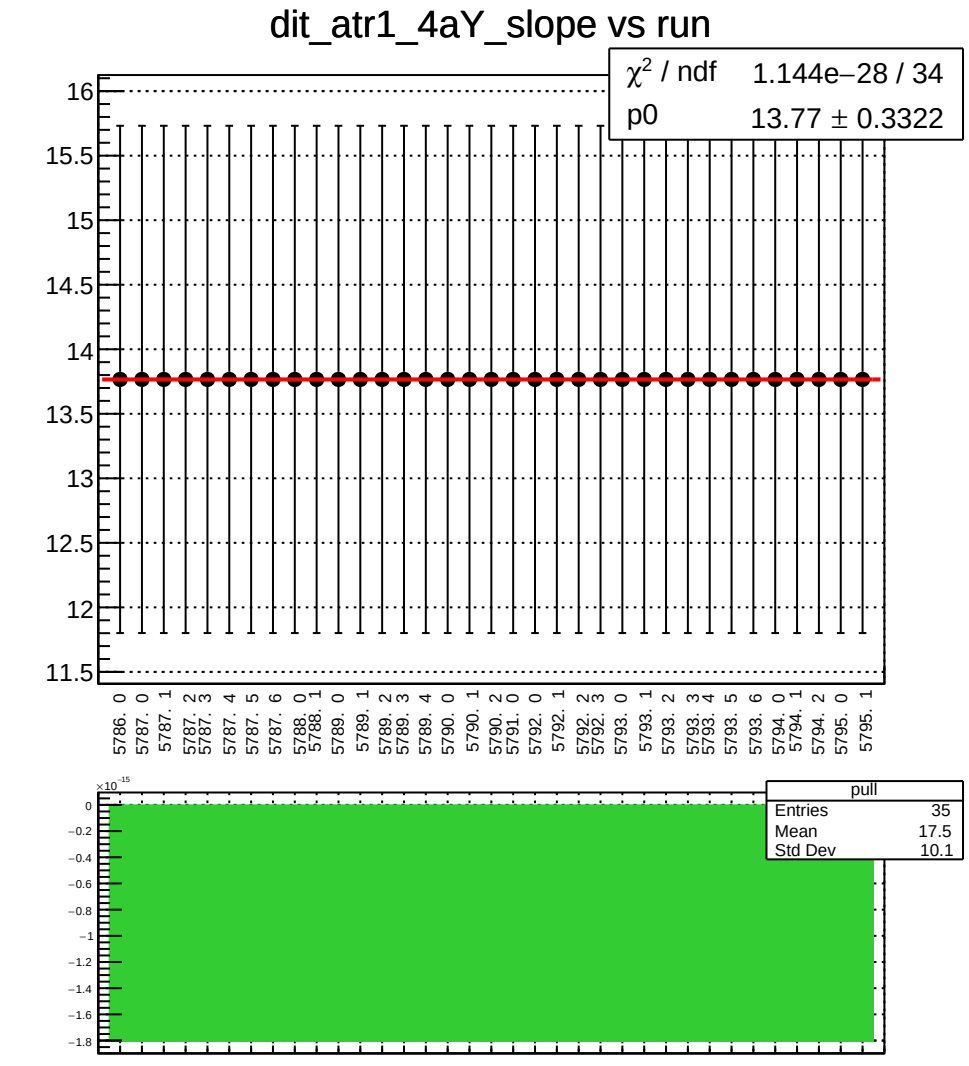

dit_atr1_4aX_slope vs run
χ² / ndf 1.072e−27 / 34
p0 −39.99 ± 0.6509
−36
−37
−38
−39
−40
−41
−42
−43
−44
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 35
Mean 17.5
Std Dev 10.1

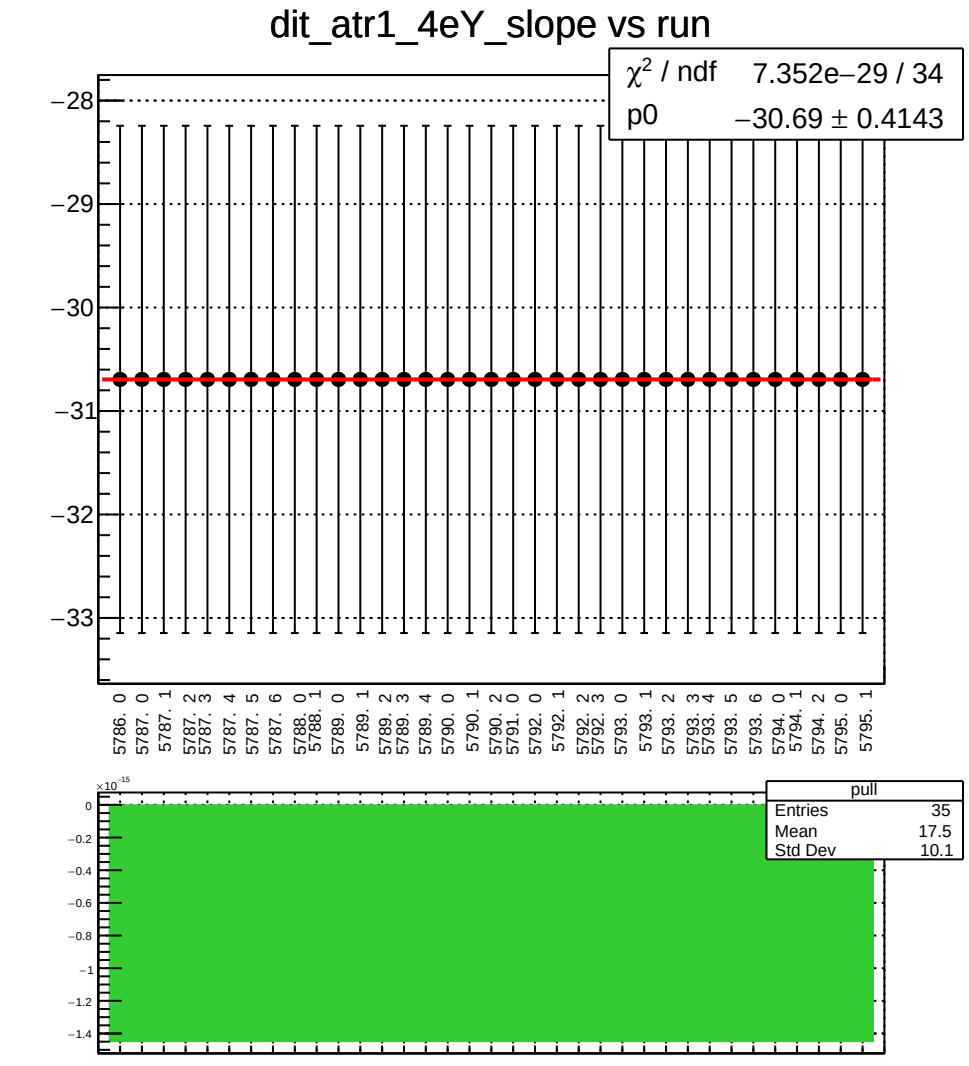

pull1D
Entries 35
Mean −5.535e−15
Std Dev1.981e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

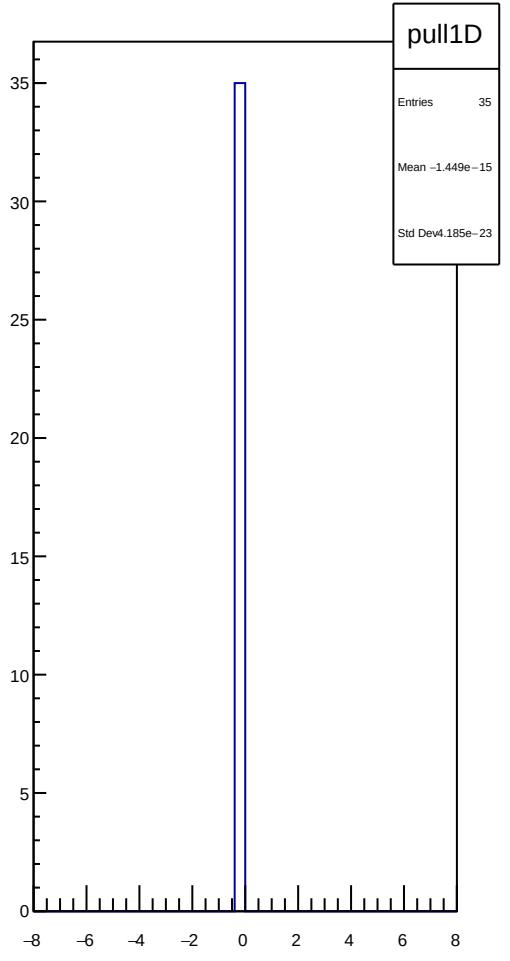

dit_atr1_4eX_slope vs run
χ² / ndf 2.889e−28 / 34
p0 9.877 ± 0.9405
16
14
12
10
8
6
4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −2.873e−15
Std Dev 9.904e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

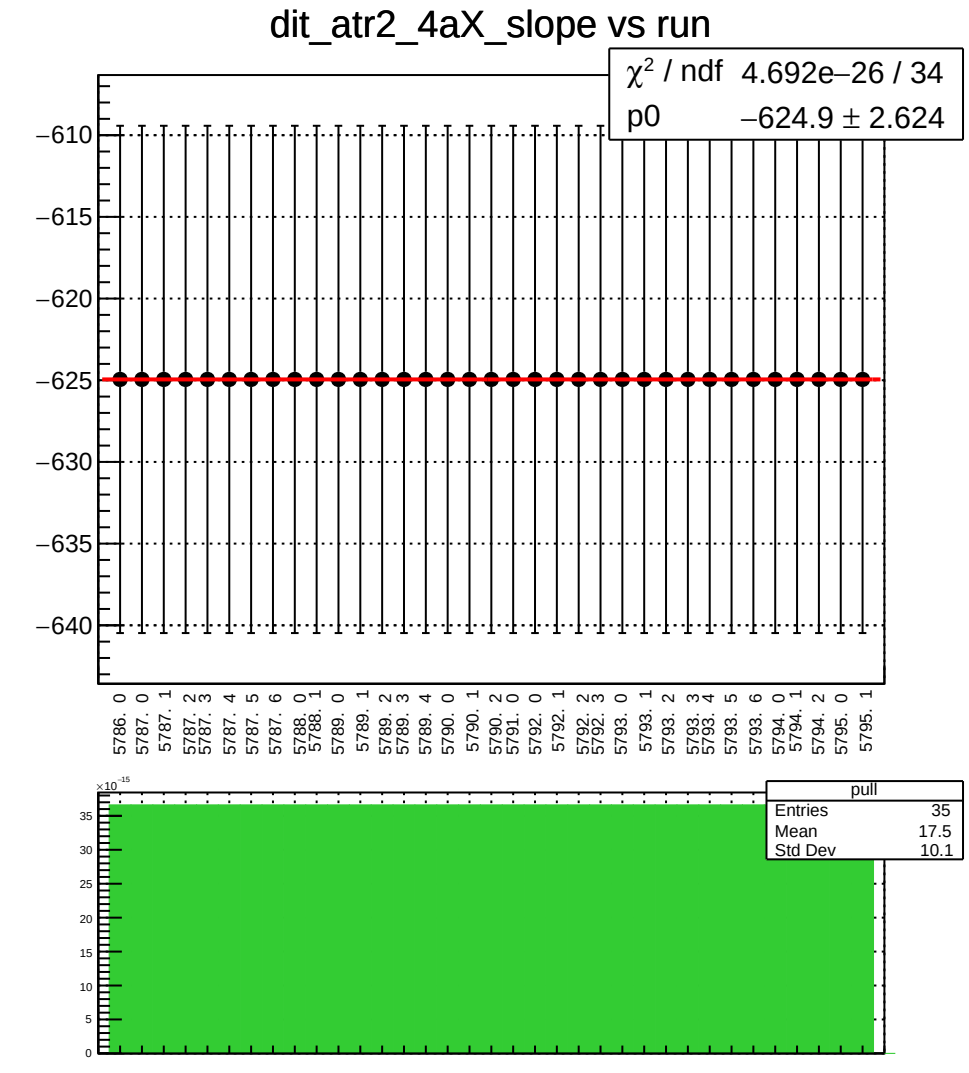

dit_atr1_11X12X_slope vs run
χ² / ndf 5.705e−28 / 34
p0 −14.18 ± 0.2231
−13
−13.5
−14
−14.5
−15
−15.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 35
Mean 17.5
Std Dev 10.1

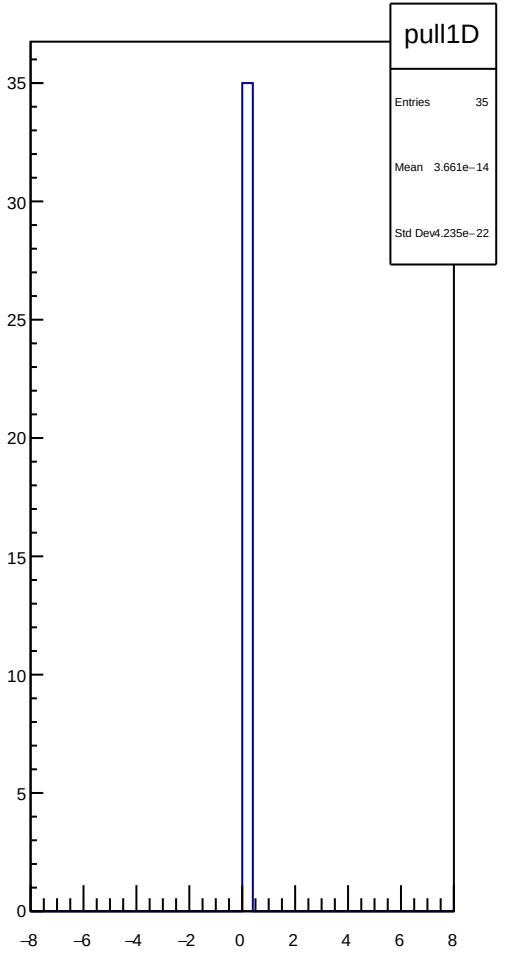

pull1D
Entries 35
Mean −4.037e−15
Std Dev1.401e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

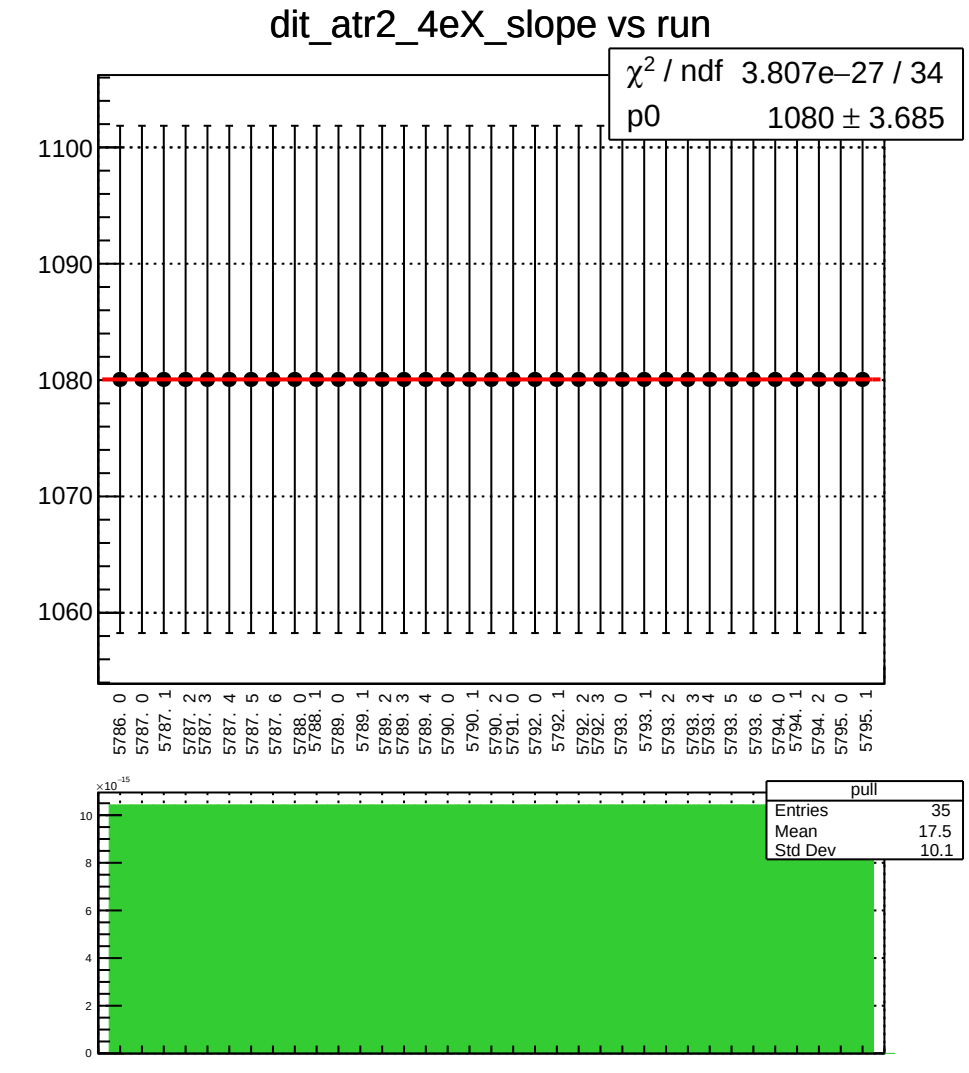

dit_atr1_4aY_slope vs run
χ² / ndf 1.144e−28 / 34
p0 13.77 ± 0.3322
16
15.5
15
14.5
14
13.5
13
12.5
12
11.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −1.808e−15
Std Dev5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

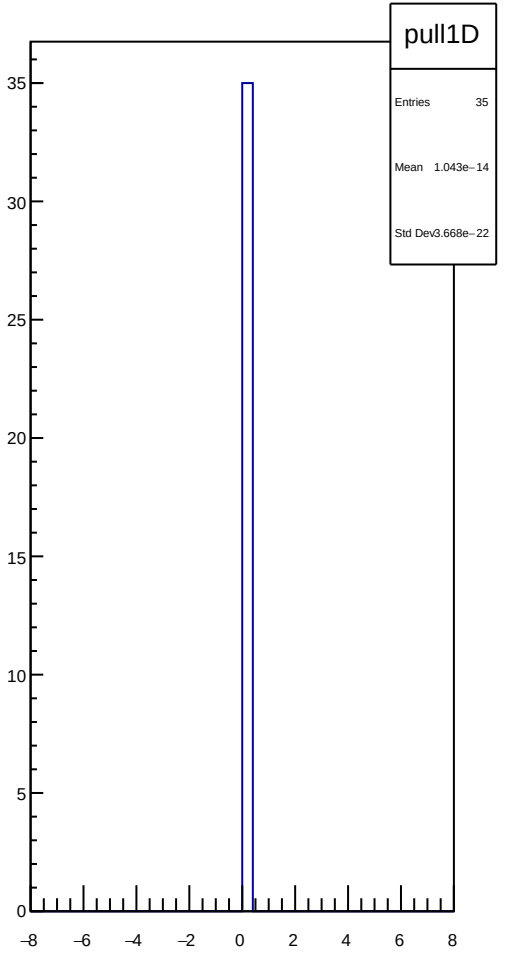

dit_atr1_4eY_slope vs run
χ² / ndf 7.352e−29 / 34
p0 −30.69 ± 0.4143
−28
−29
−30
−31
−32
−33
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 35
Mean 17.5
Std Dev 10.1

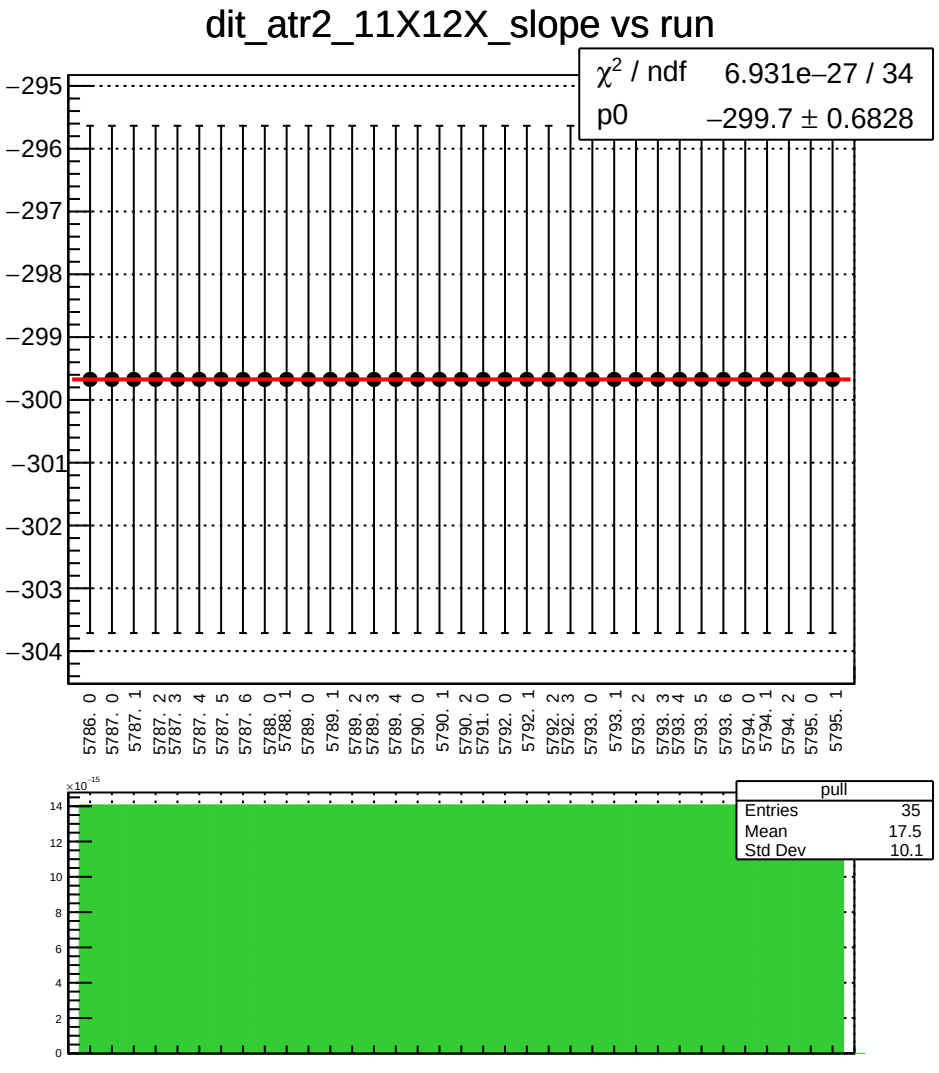

pull1D
Entries 35
Mean −1.449e−15
Std Dev4.185e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

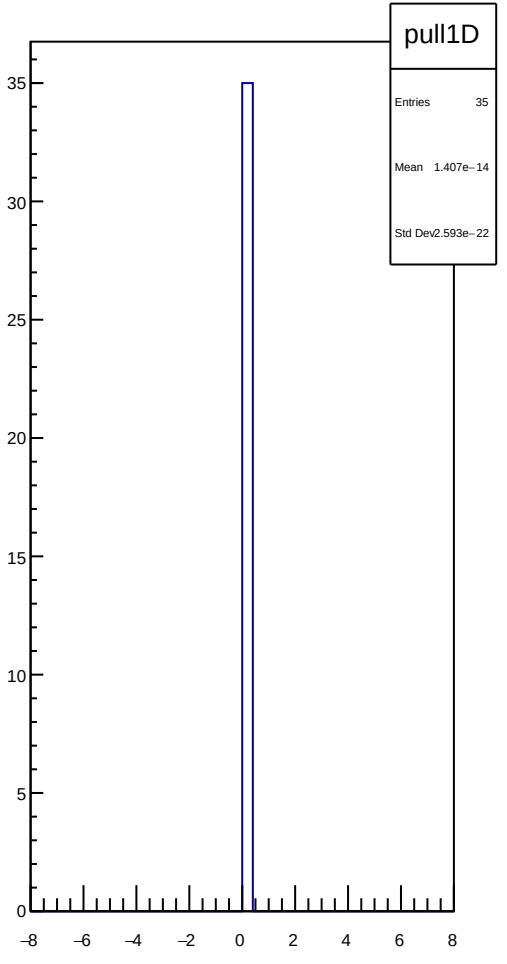

dit_atr2_4aX_slope vs run
χ² / ndf 4.692e−26 / 34
p0 −624.9 ± 2.624
−610
−615
−620
−625
−630
−635
−640
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1


pull1D
Entries 35
Mean 3.661e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eX_slope vs run
χ² / ndf 3.807e−27 / 34
p0 1080 ± 3.685
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1


pull1D
Entries 35
Mean 1.043e−14
Std Dev3.668e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_11X12X_slope vs run
χ² / ndf 6.931e−27 / 34
p0 −299.7 ± 0.6828
−295
−296
−297
−298
−299
−300
−301
−302
−303
−304
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1


pull1D
Entries 35
Mean 1.407e−14
Std Dev 2.593e−22
35
30
25
20
15
10
5
0
−8
−6
−4
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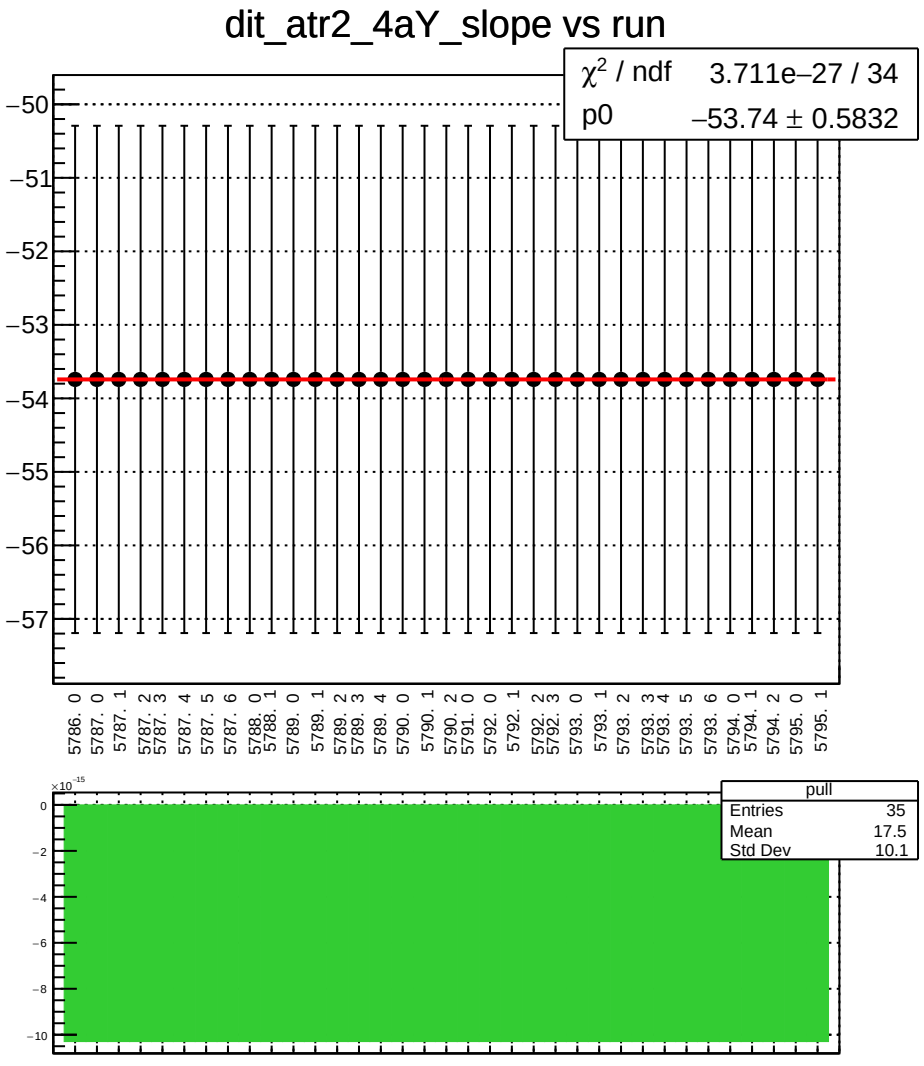
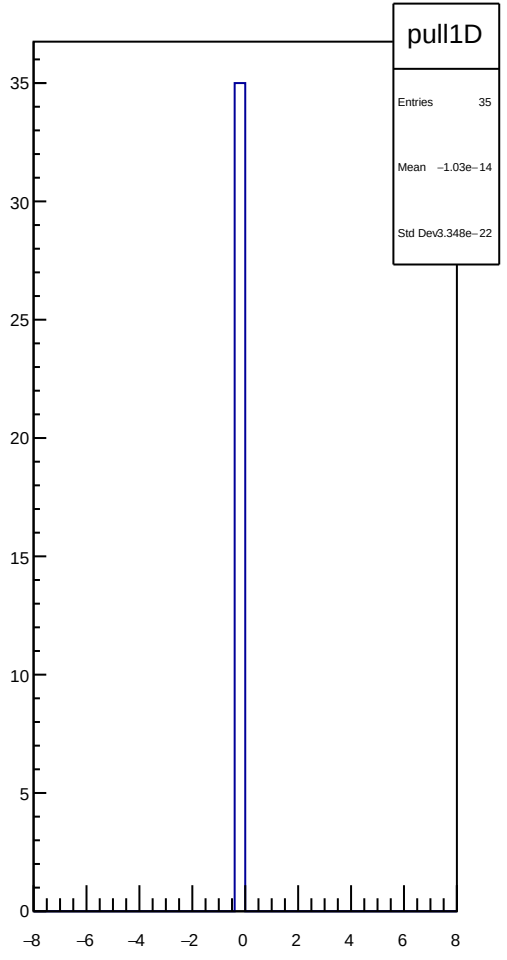
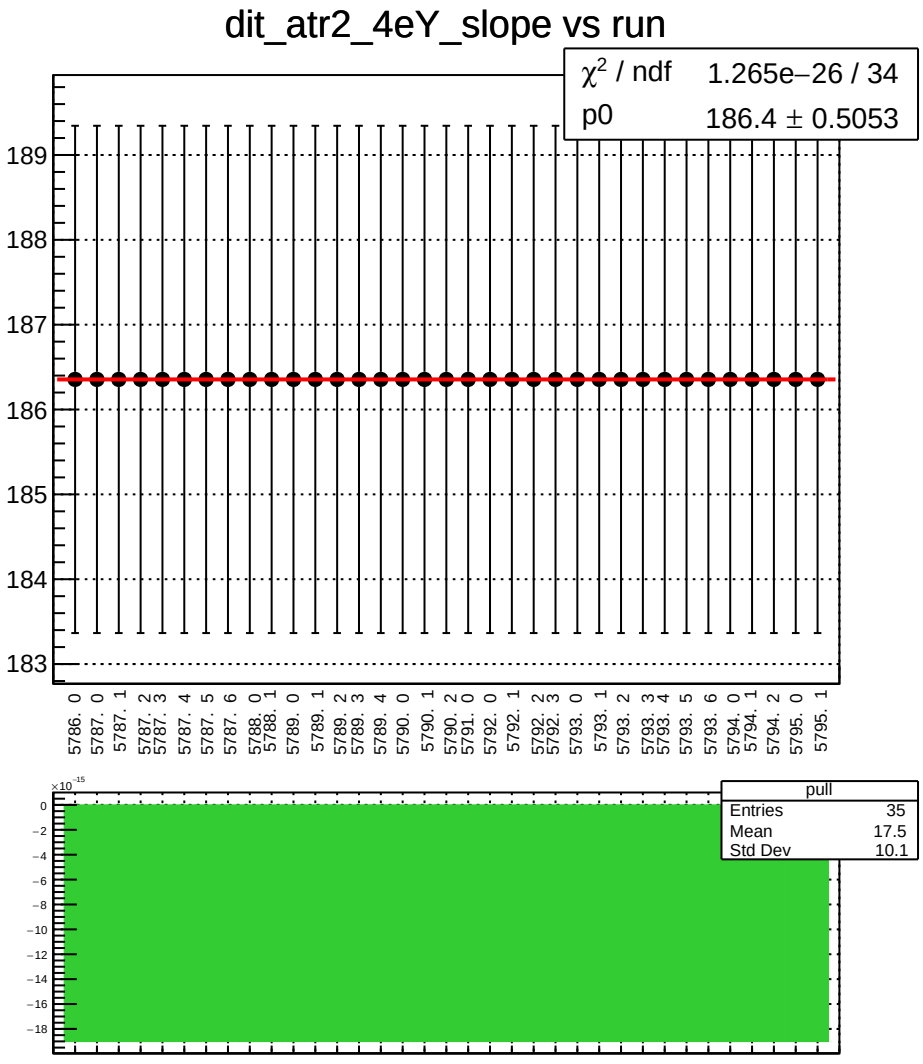
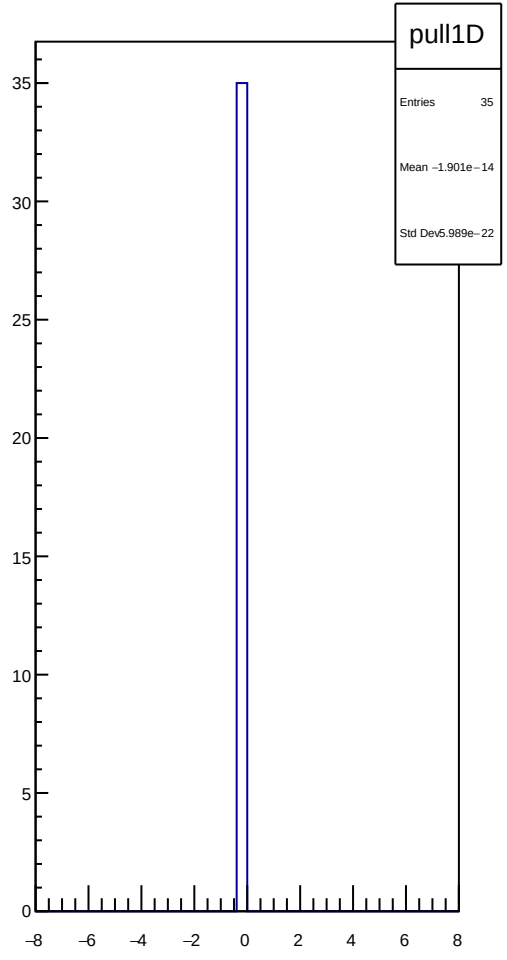
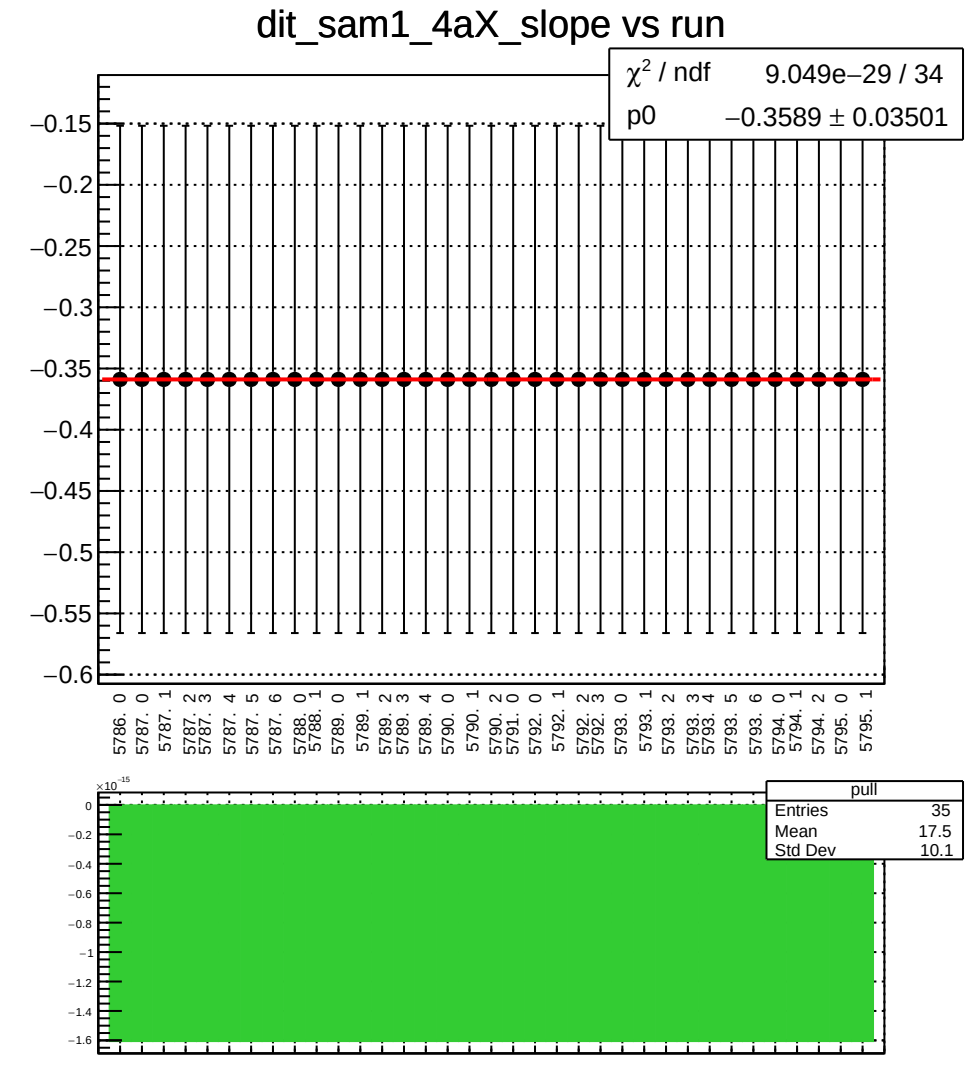
0
2
4
6
8

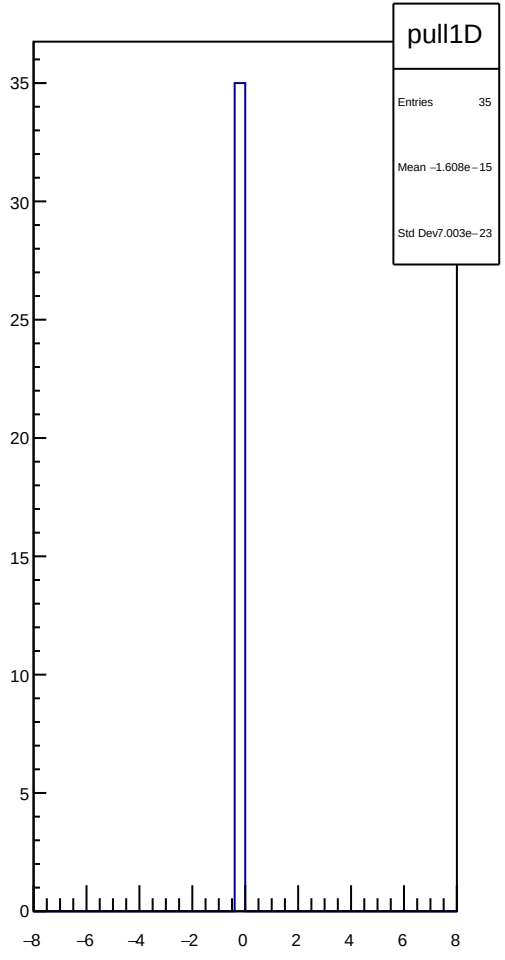

dit_atr2_4aY_slope vs run
χ² / ndf 3.711e−27 / 34
p0 −53.74 ± 0.5832
−50
−51
−52
−53
−54
−55
−56
−57
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 35
Mean 17.5
Std Dev 10.1

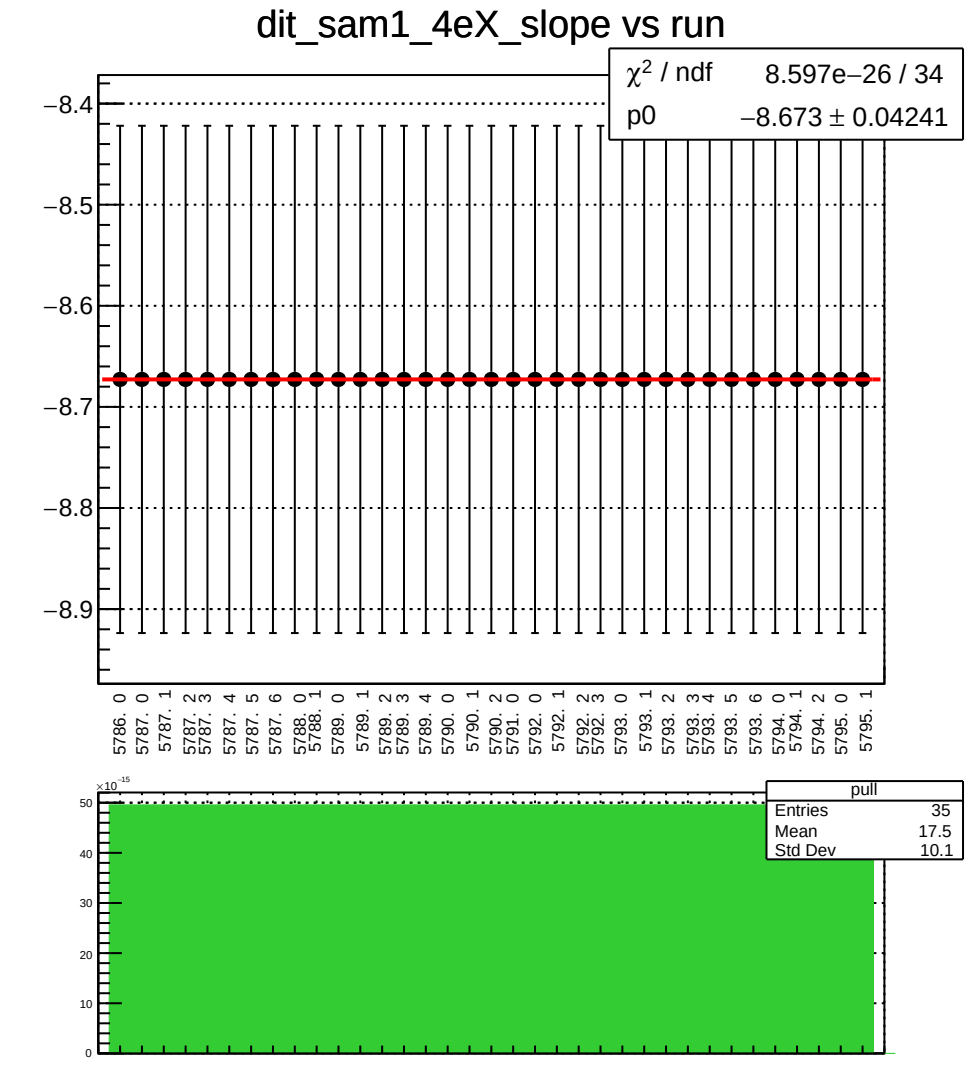

pull1D
Entries 35
Mean −1.03e−14
Std Dev3.348e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

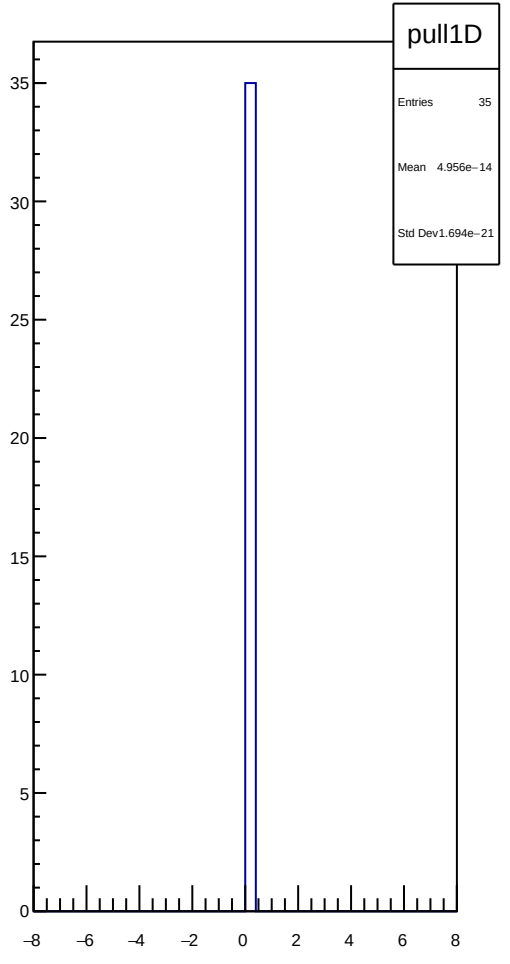

dit_atr2_4eY_slope vs run
χ² / ndf 1.265e−26 / 34
p0 186.4 ± 0.5053
189
188
187
186
185
184
183
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean 17.5
Std Dev 10.1

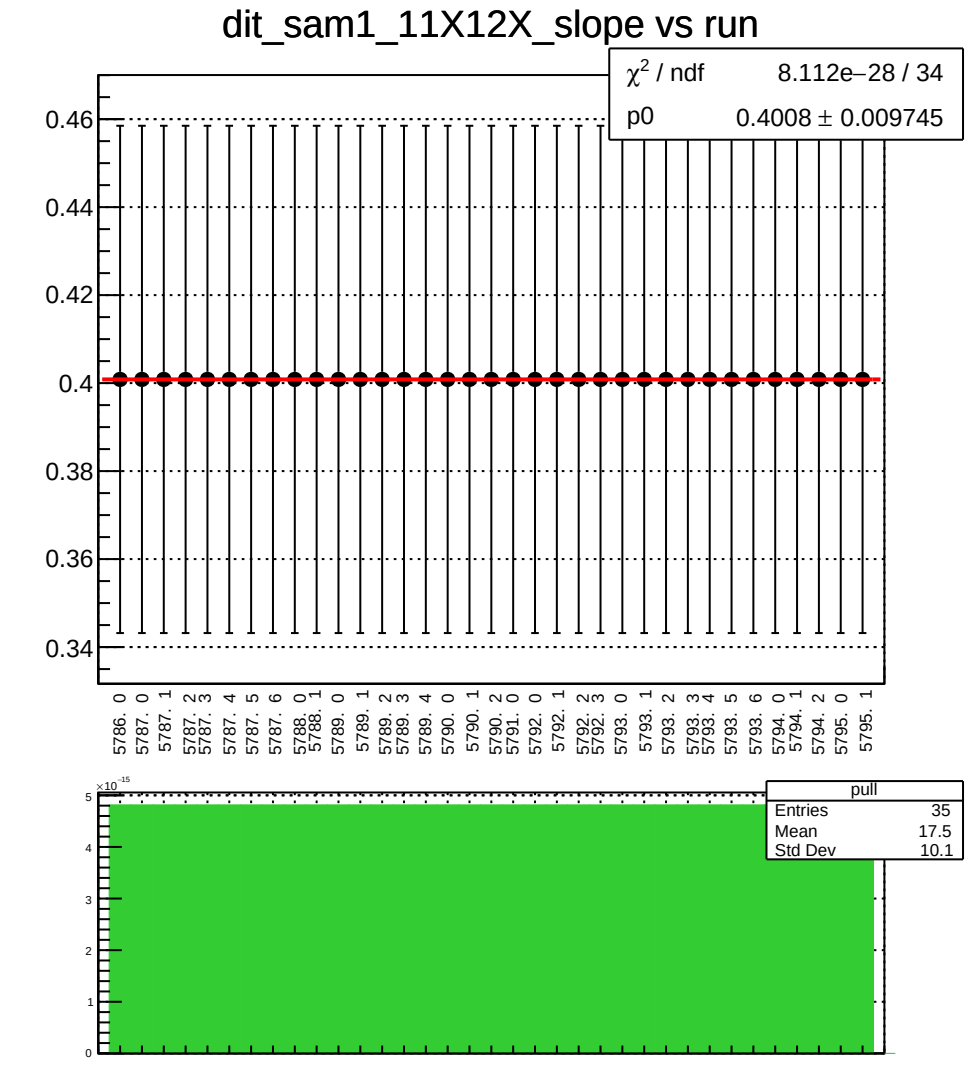

pull1D
Entries 35
Mean −1.901e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

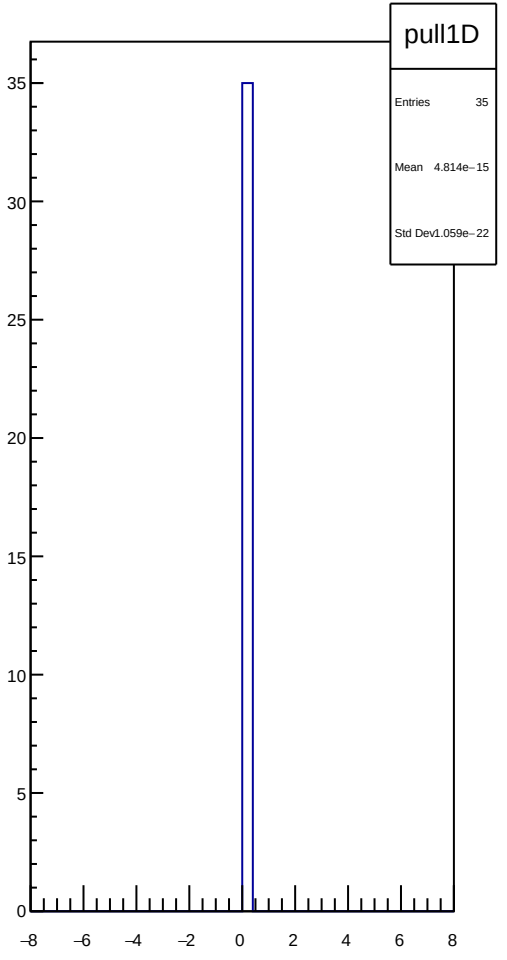

dit_sam1_4aX_slope vs run
χ² / ndf 9.049e−29 / 34
p0 −0.3589 ± 0.03501
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 35
Mean 17.5
Std Dev 10.1

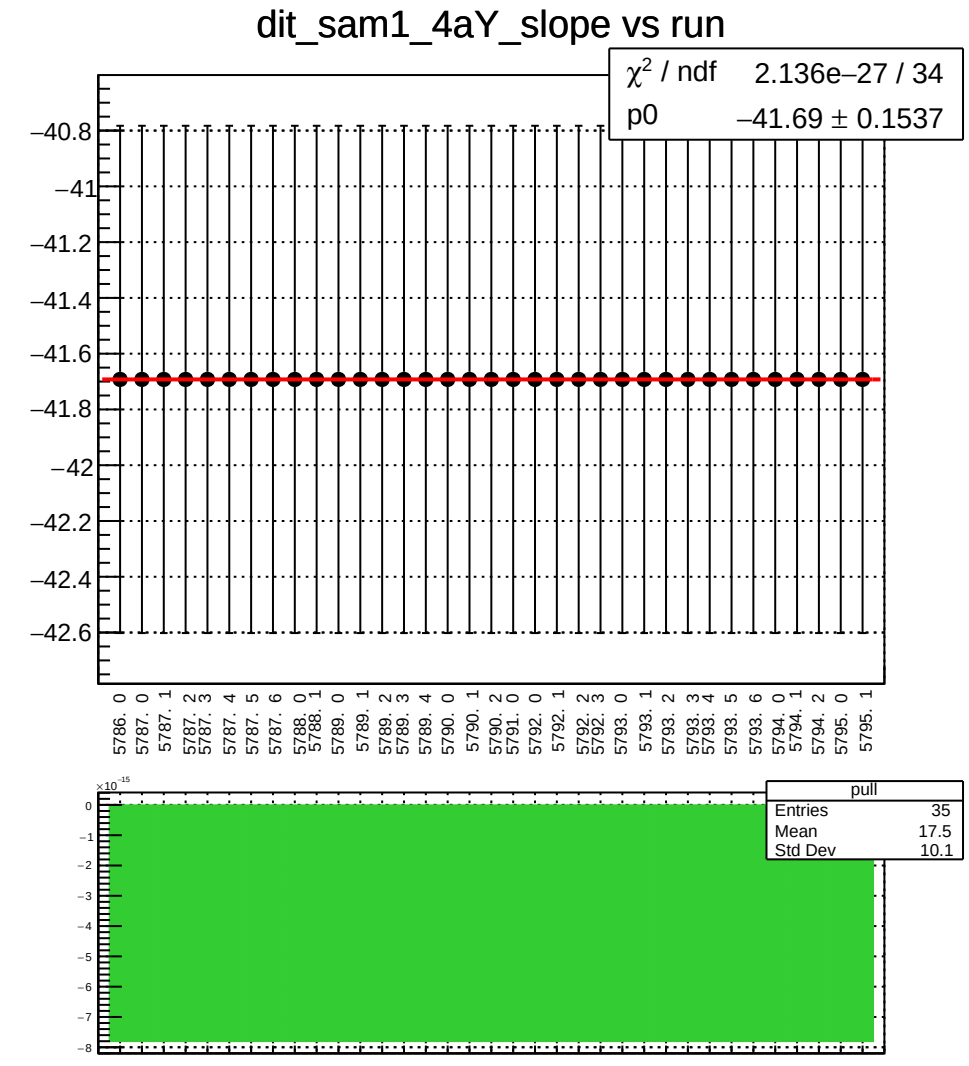

pull1D
Entries 35
Mean −1.608e−15
Std Dev7.003e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

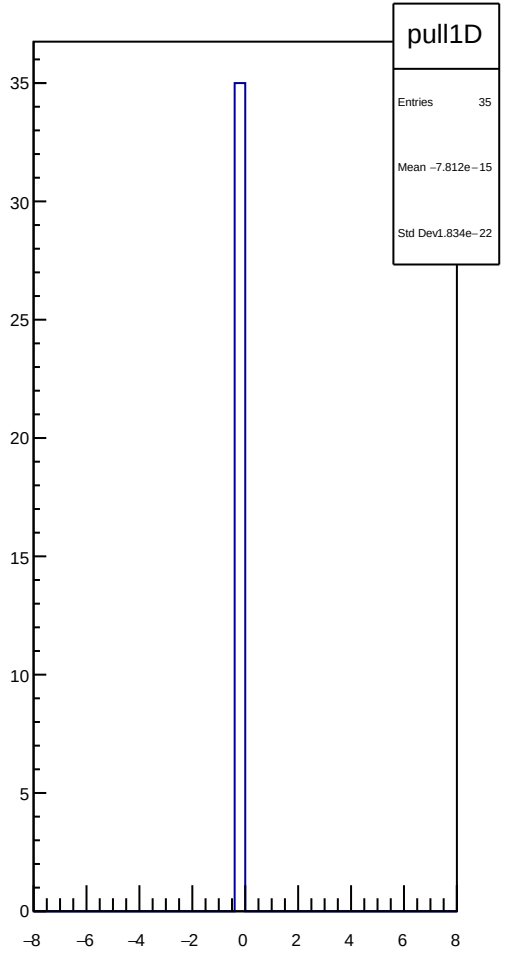

dit_sam1_4eX_slope vs run
χ² / ndf 8.597e−26 / 34
p0 −8.673 ± 0.04241
−8.4
−8.5
−8.6
−8.7
−8.8
−8.9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

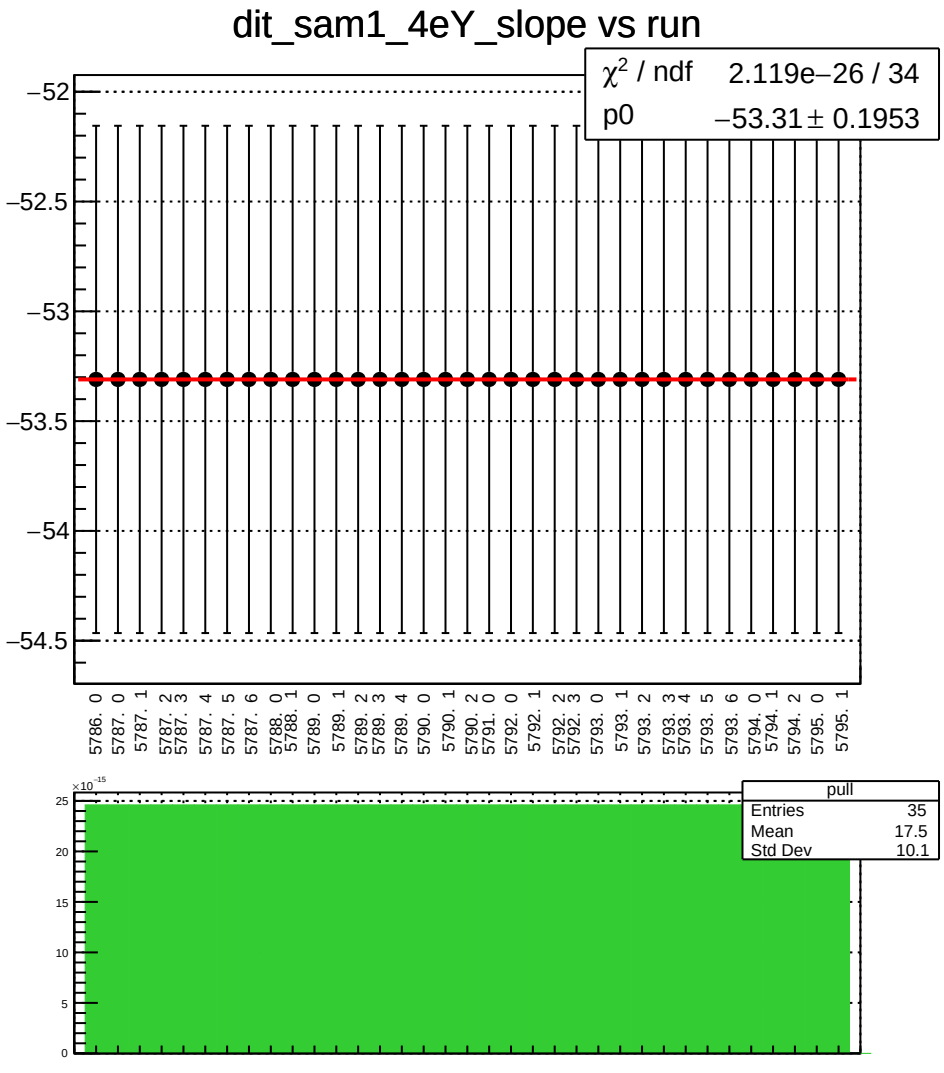

pull1D
Entries 35
Mean 4.956e−14
Std Dev1.694e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

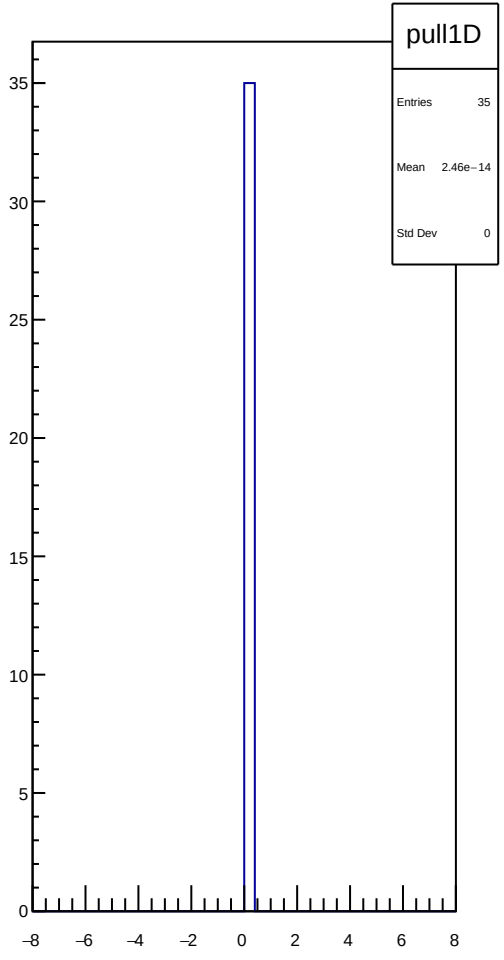

dit_sam1_11X12X_slope vs run
χ² / ndf 8.112e−28 / 34
p0 0.4008 ± 0.009745
0.46
0.44
0.42
0.4
0.38
0.36
0.34
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

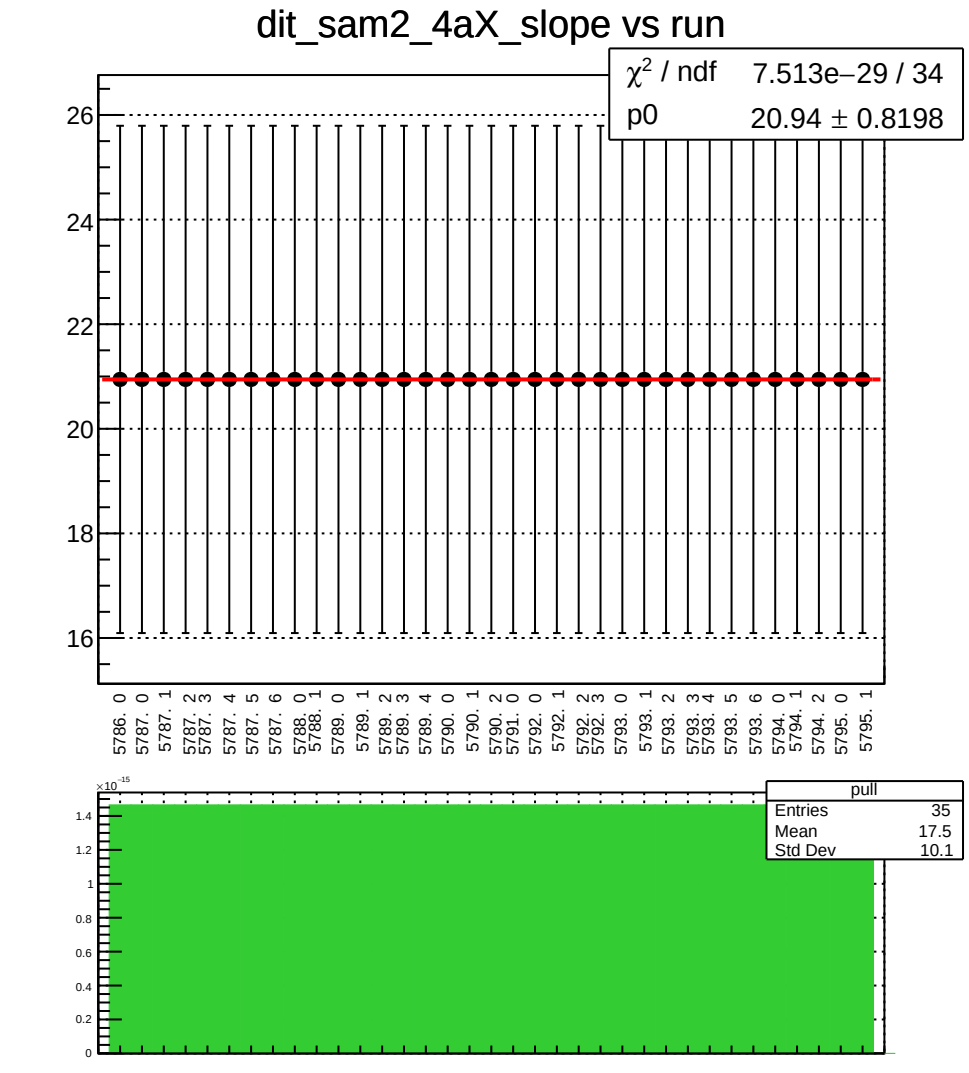

pull1D
Entries 35
Mean 4.814e−15
Std Dev1.059e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

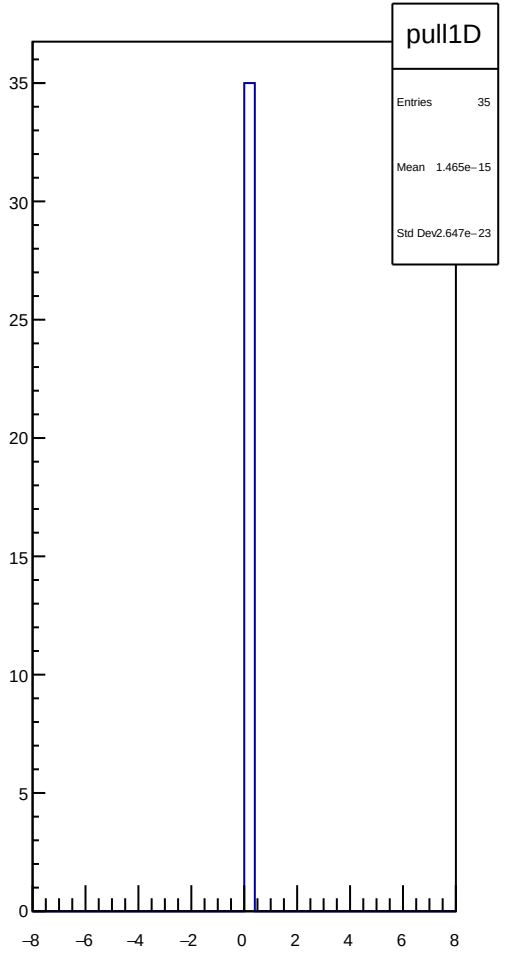

dit_sam1_4aY_slope vs run
χ² / ndf 2.136e−27 / 34
p0 −41.69 ± 0.1537
−40.8
−41
−41.2
−41.4
−41.6
−41.8
−42
−42.2
−42.4
−42.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 35
Mean 17.5
Std Dev 10.1

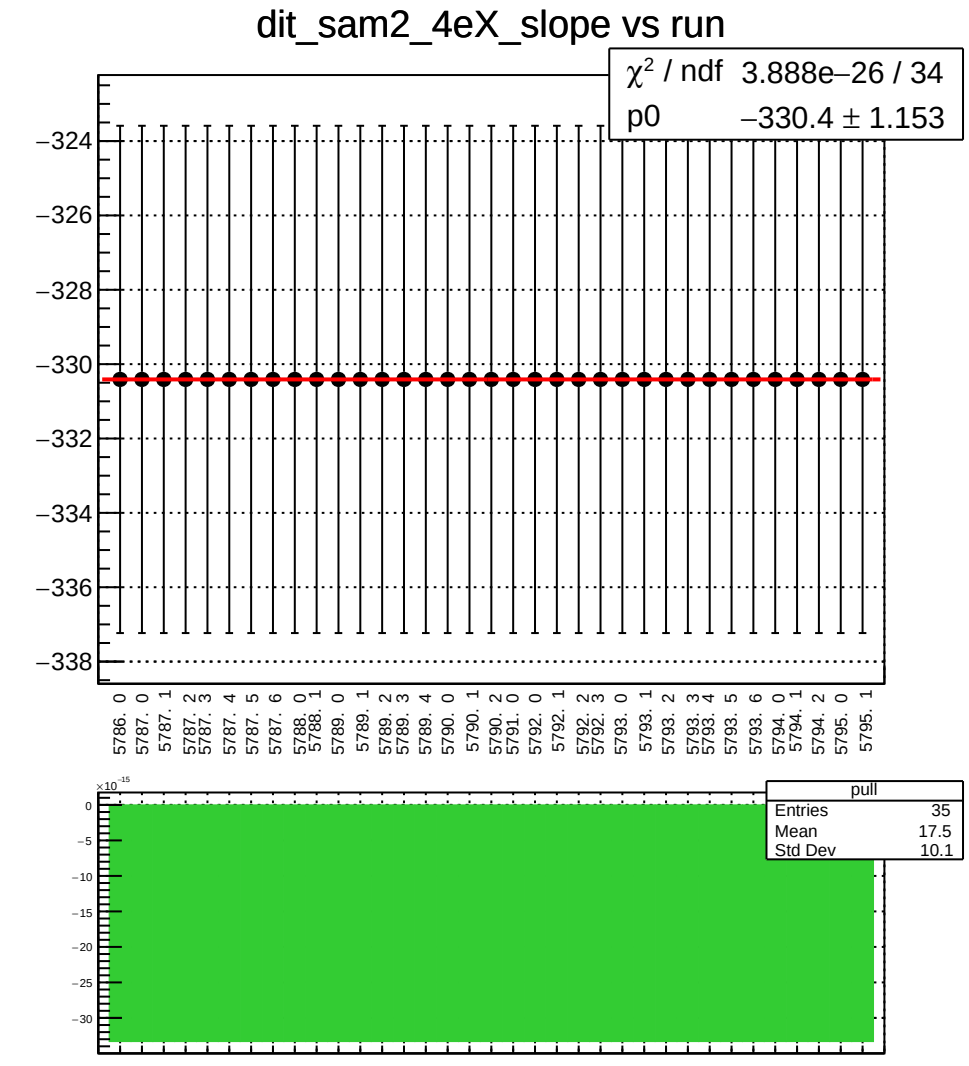

pull1D
Entries 35
Mean −7.812e−15
Std Dev1.834e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

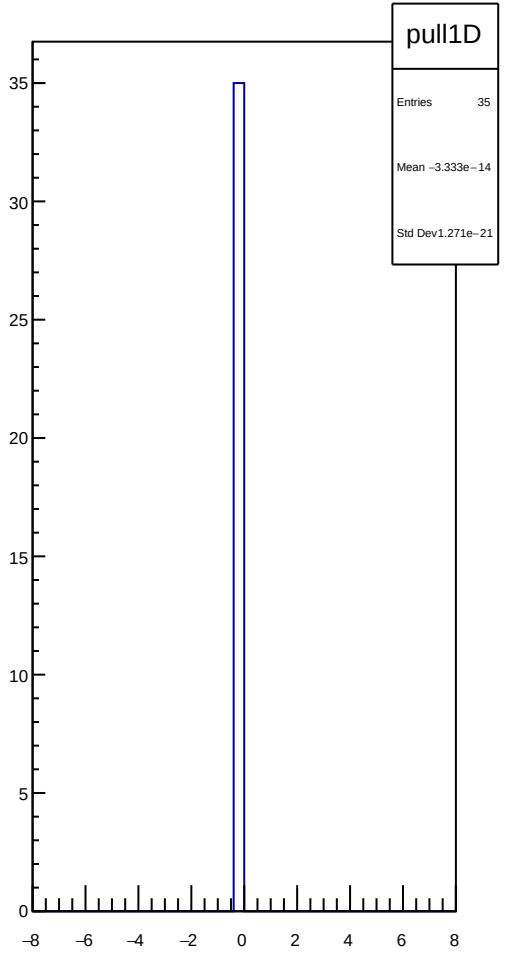

dit_sam1_4eY_slope vs run
χ² / ndf 2.119e−26 / 34
p0 −53.31 ± 0.1953
−52
−52.5
−53
−53.5
−54
−54.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

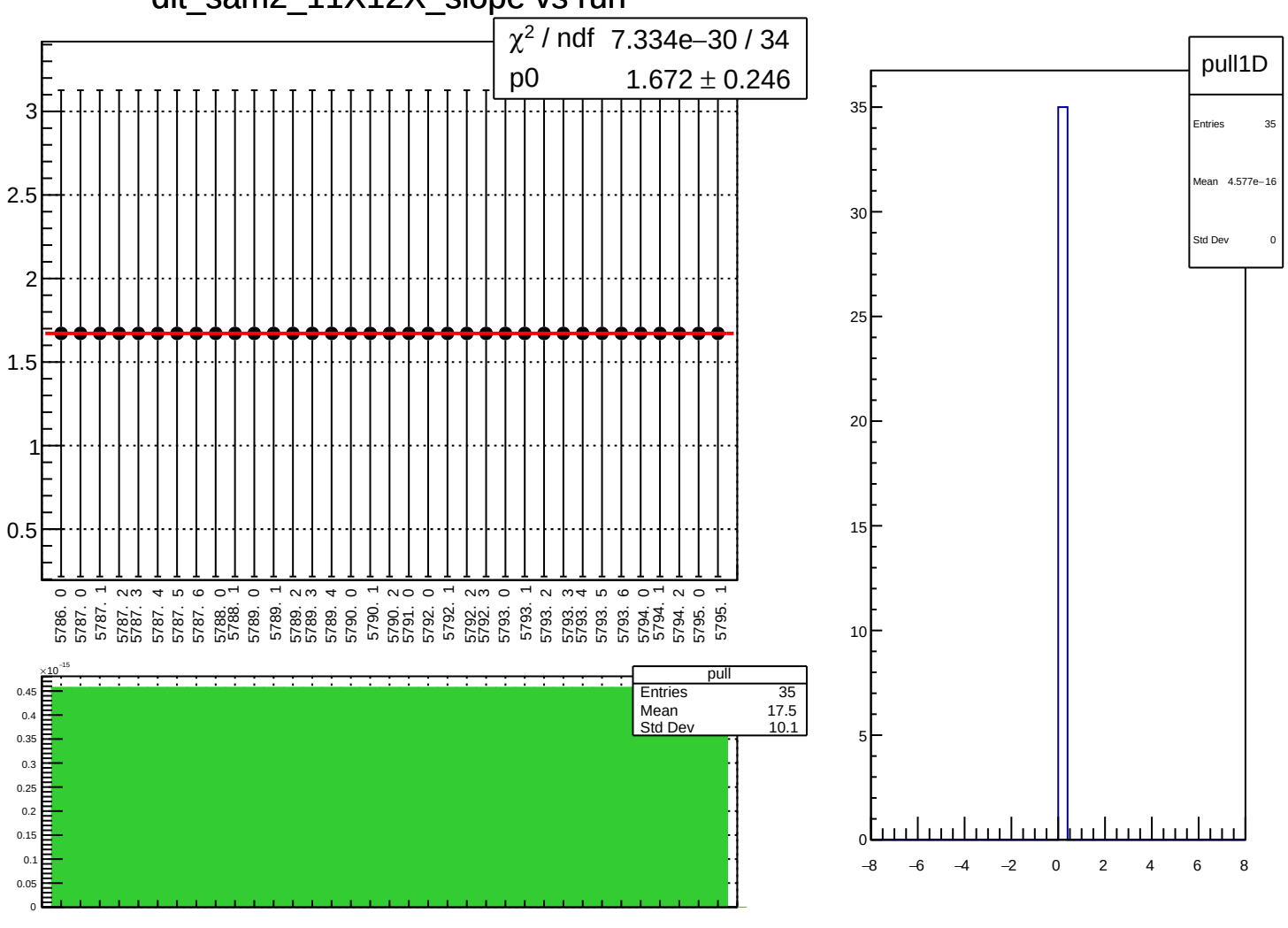

pull1D
Entries 35
Mean 2.46e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

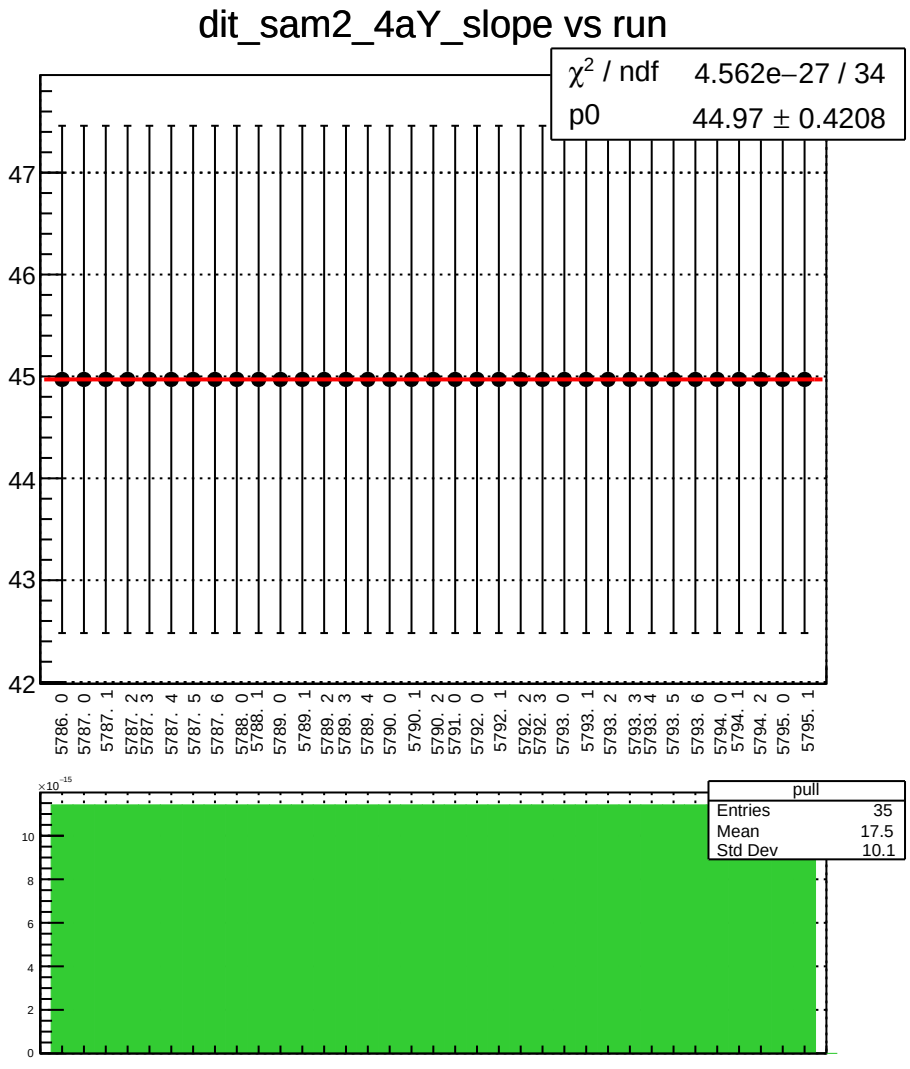

dit_sam2_4aX_slope vs run
χ² / ndf 7.513e−29 / 34
p0 20.94 ± 0.8198
26
24
22
20
18
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

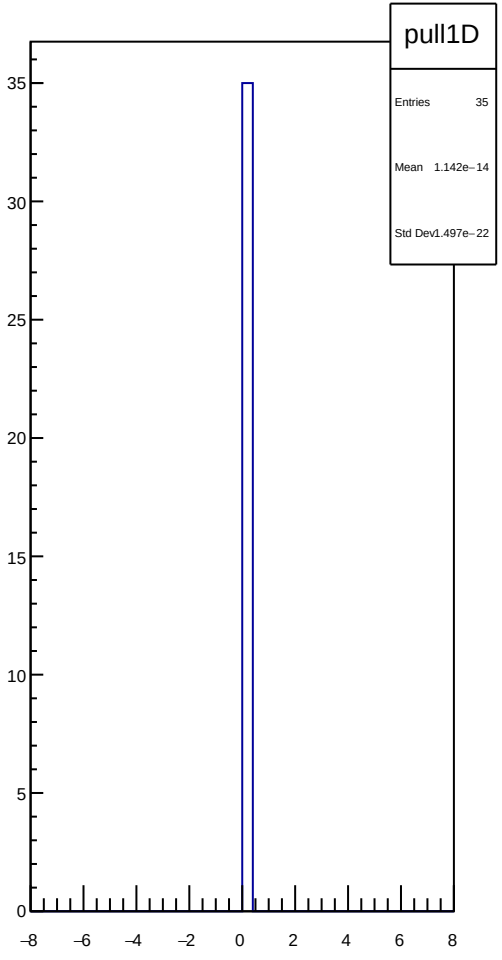

pull1D
Entries 35
Mean 1.465e−15
Std Dev2.647e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

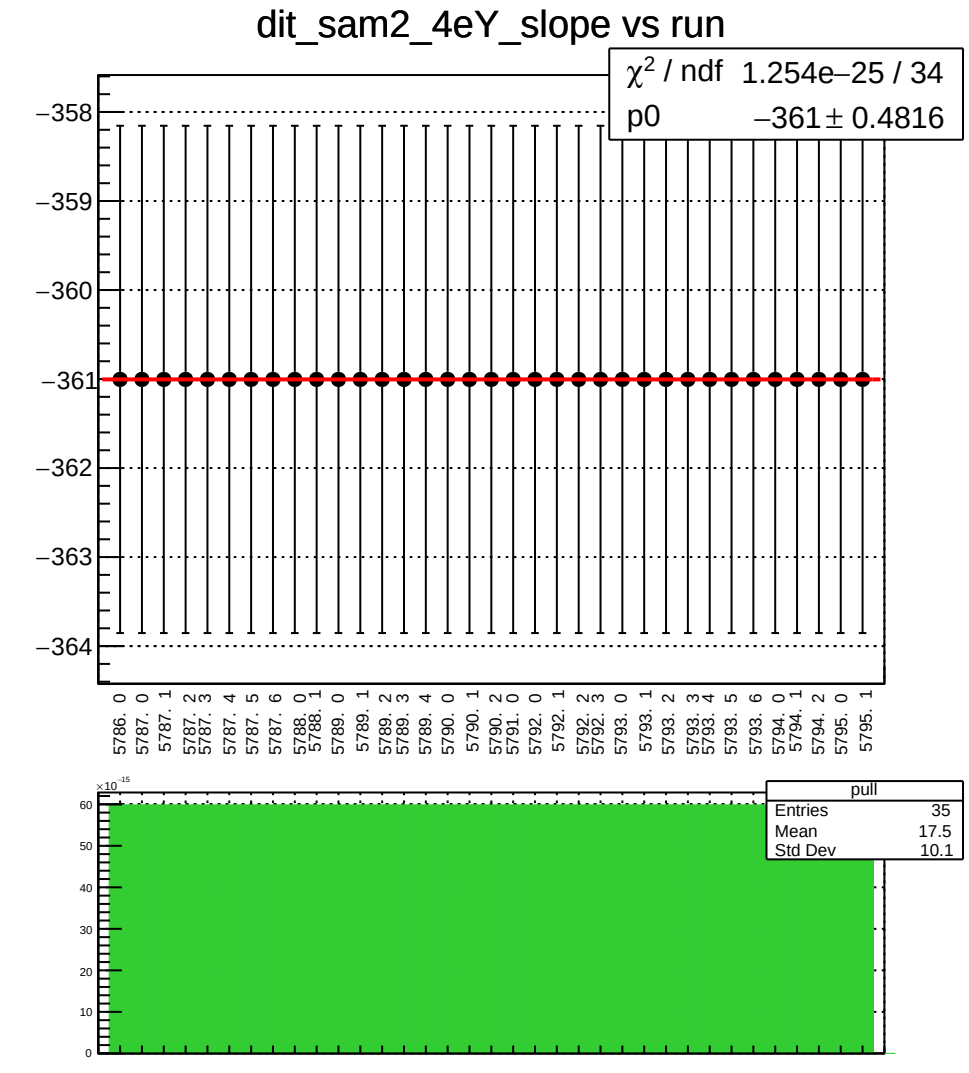

dit_sam2_4eX_slope vs run
χ² / ndf 3.888e−26 / 34
p0 −330.4 ± 1.153
−324
−326
−328
−330
−332
−334
−336
−338
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 35
Mean 17.5
Std Dev 10.1

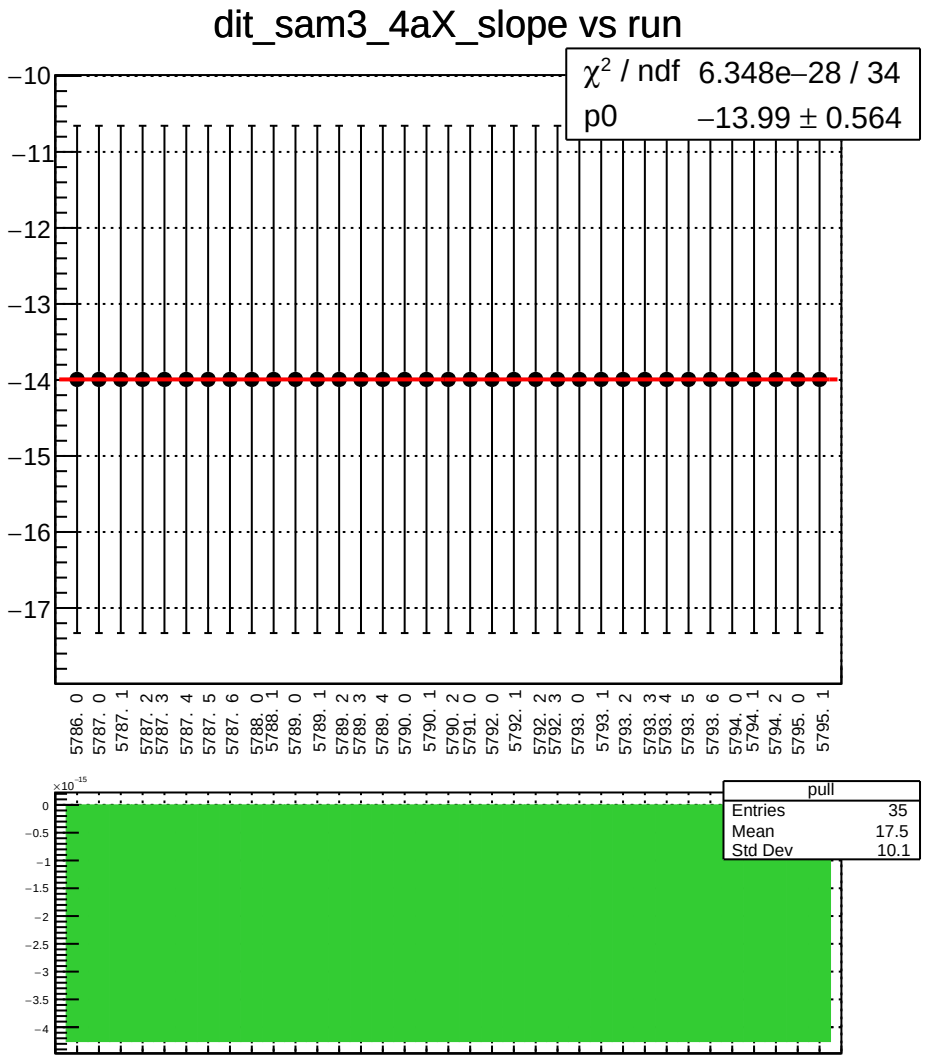

pull1D
Entries 35
Mean −3.333e−14
Std Dev1.271e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

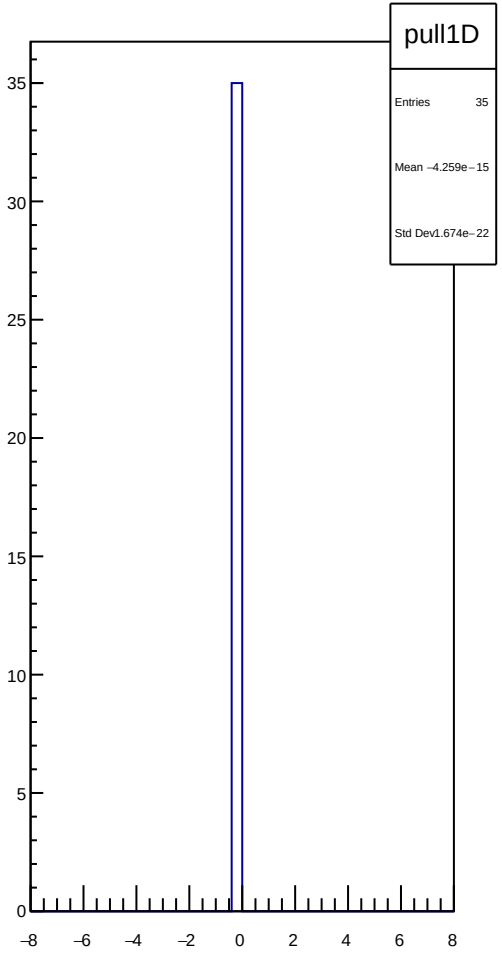

dit_sam2_11X12X_slope vs run
χ² / ndf 7.334e−30 / 34
p0 1.672 ± 0.246
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 4.577e−16
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

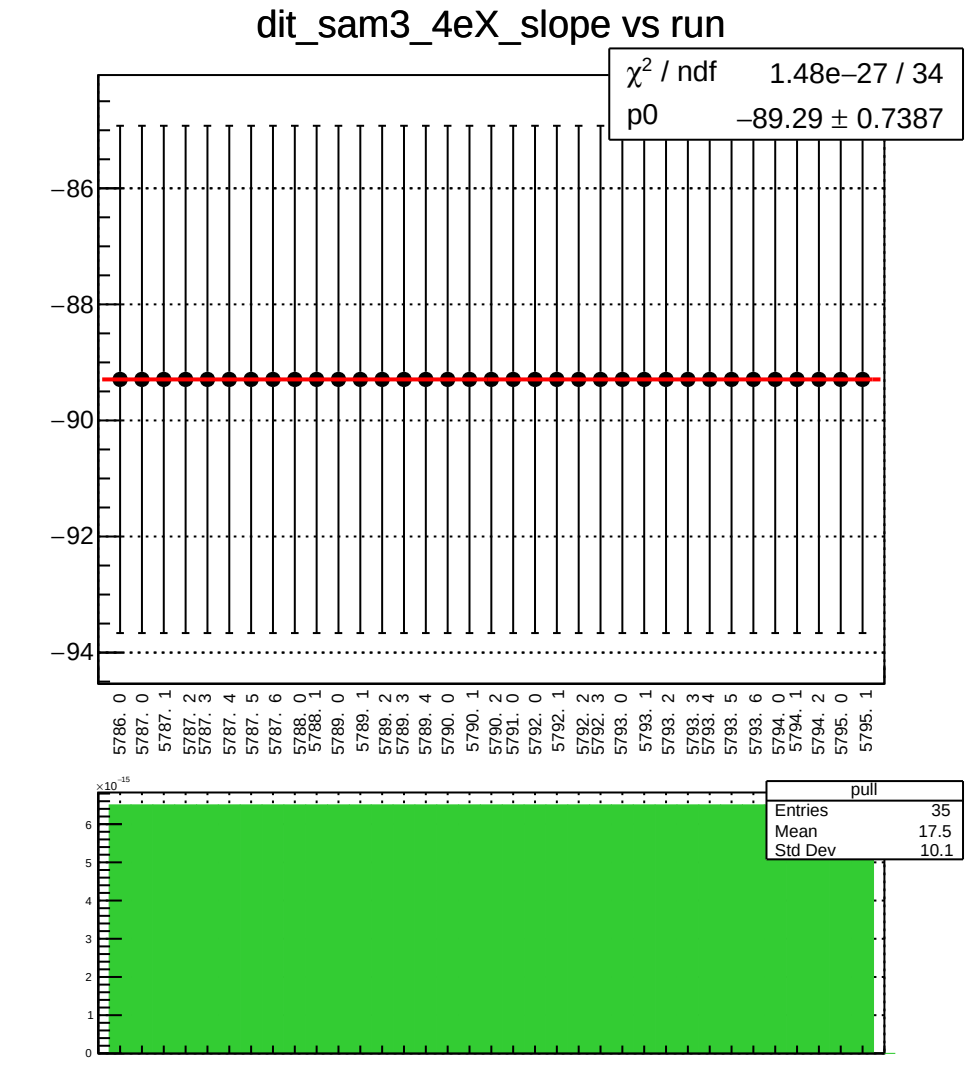

dit_sam2_4aY_slope vs run
χ² / ndf 4.562e−27 / 34
p0 44.97 ± 0.4208
47
46
45
44
43
42
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

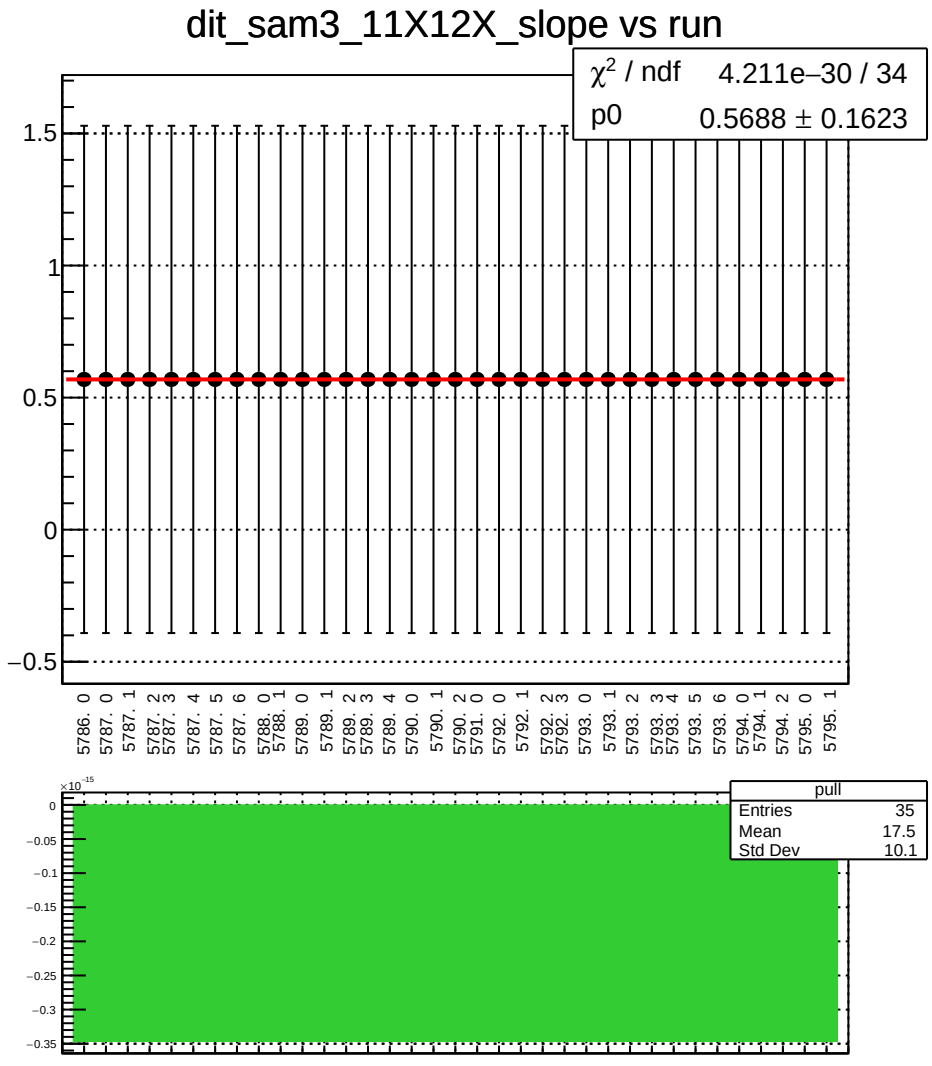

pull1D
Entries 35
Mean 1.142e−14
Std Dev1.497e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

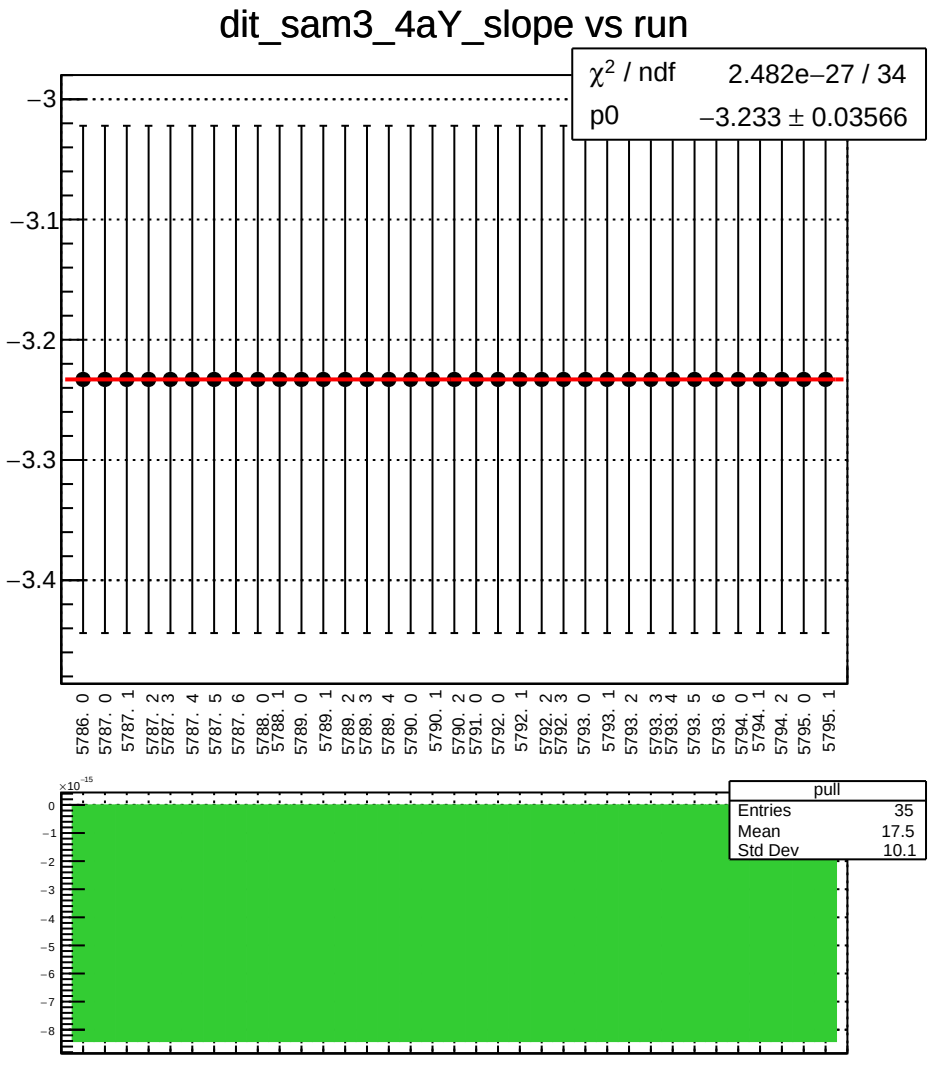

dit_sam2_4eY_slope vs run
χ² / ndf 1.254e−25 / 34
p0 −361 ± 0.4816
−358
−359
−360
−361
−362
−363
−364
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 5.985e−14
Std Dev 1.894e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

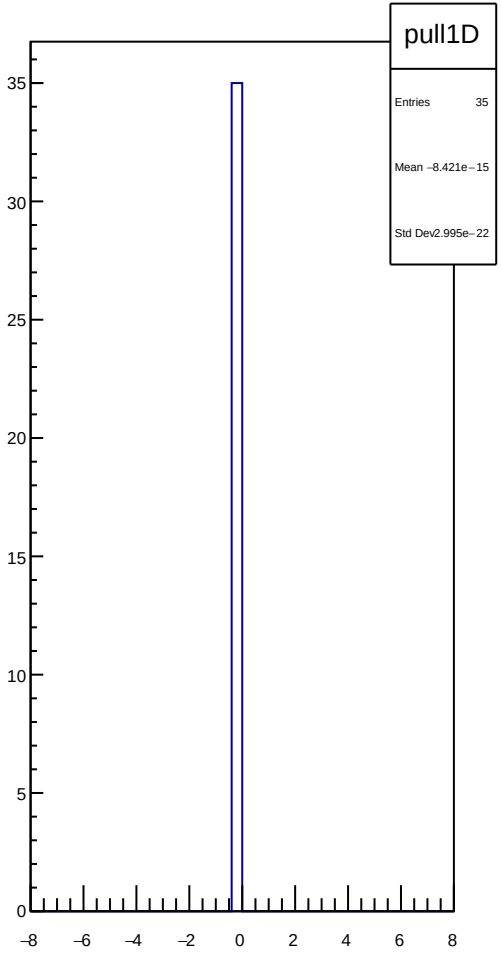

dit_sam3_4aX_slope vs run
χ² / ndf 6.348e−28 / 34
p0 −13.99 ± 0.564
−10
−11
−12
−13
−14
−15
−16
−17
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 35
Mean 17.5
Std Dev 10.1

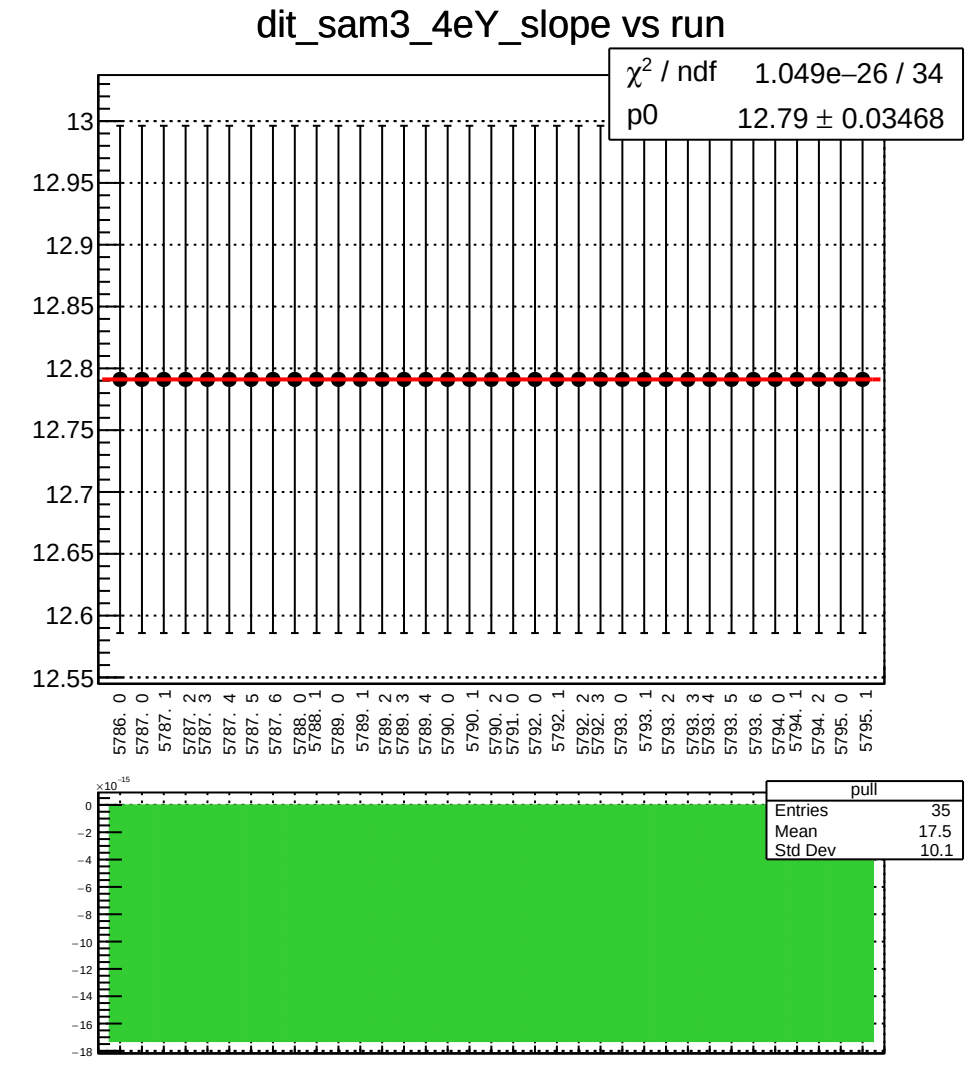

pull1D
Entries 35
Mean −4.259e−15
Std Dev1.674e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

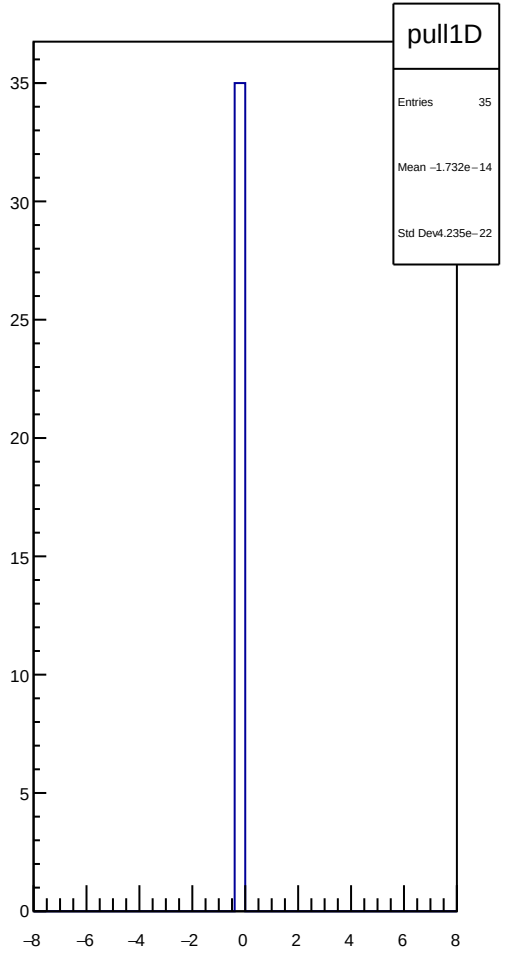

dit_sam3_4eX_slope vs run
χ² / ndf 1.48e−27 / 34
p0 −89.29 ± 0.7387
−86
−88
−90
−92
−94
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 6.503e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

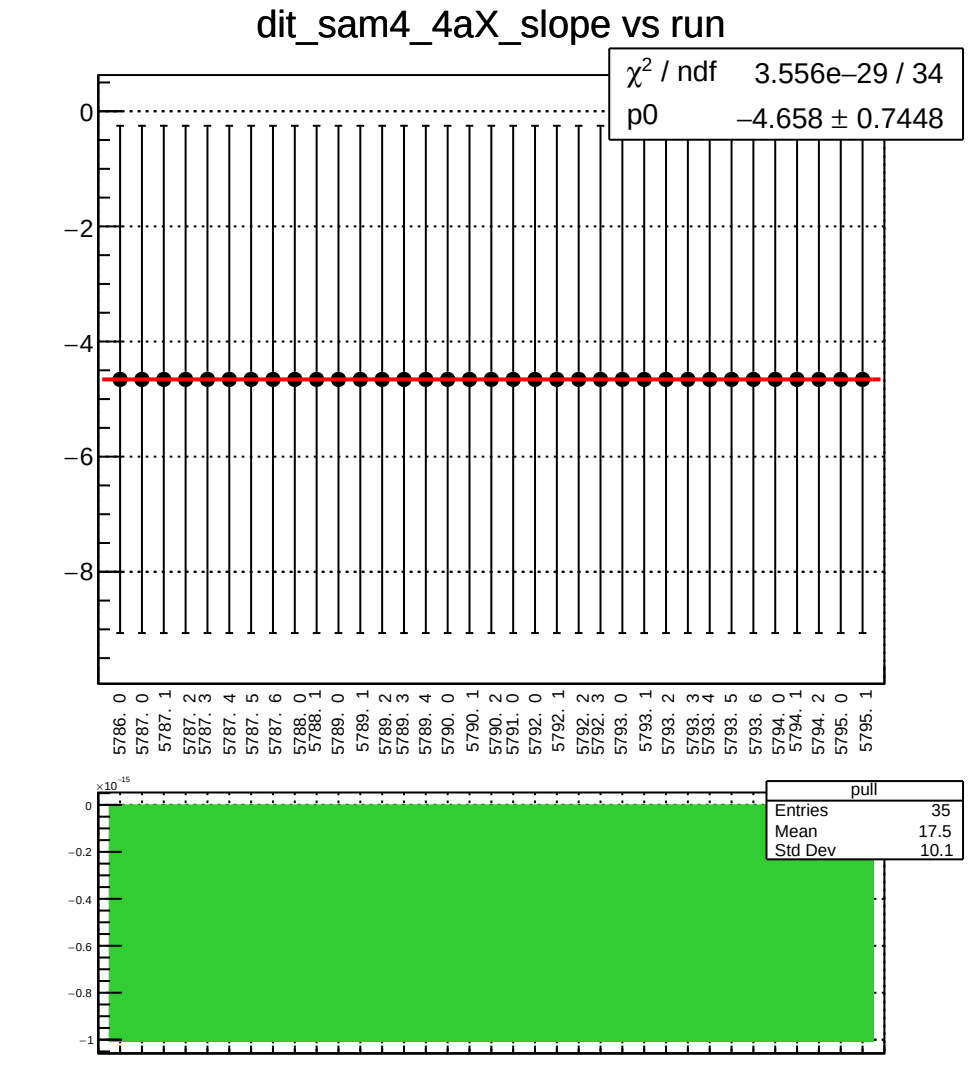

dit_sam3_11X12X_slope vs run
χ² / ndf 4.211e−30 / 34
p0 0.5688 ± 0.1623
1.5
1
0.5
0
−0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −3.469e−16
Std Dev1.404e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

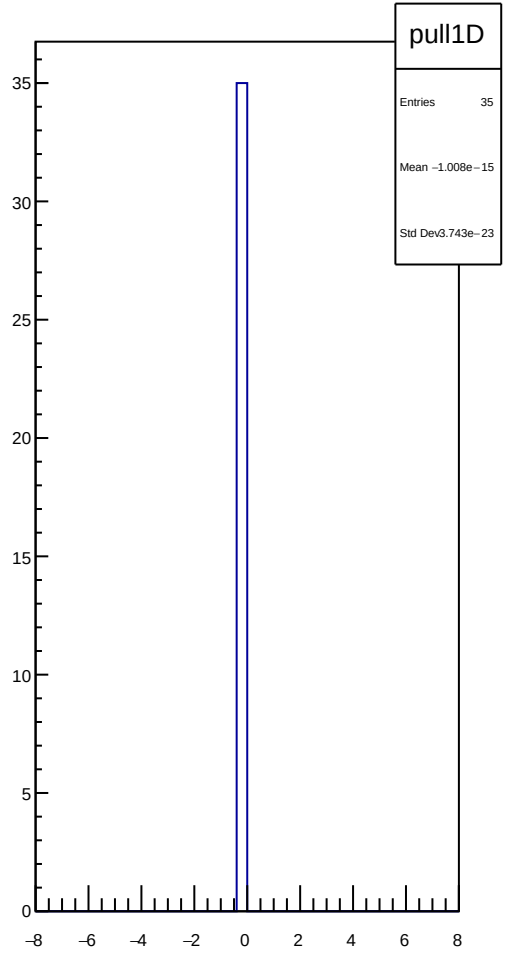

dit_sam3_4aY_slope vs run
χ² / ndf 2.482e−27 / 34
p0 −3.233 ± 0.03566
−3
−3.1
−3.2
−3.3
−3.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 35
Mean 17.5
Std Dev 10.1

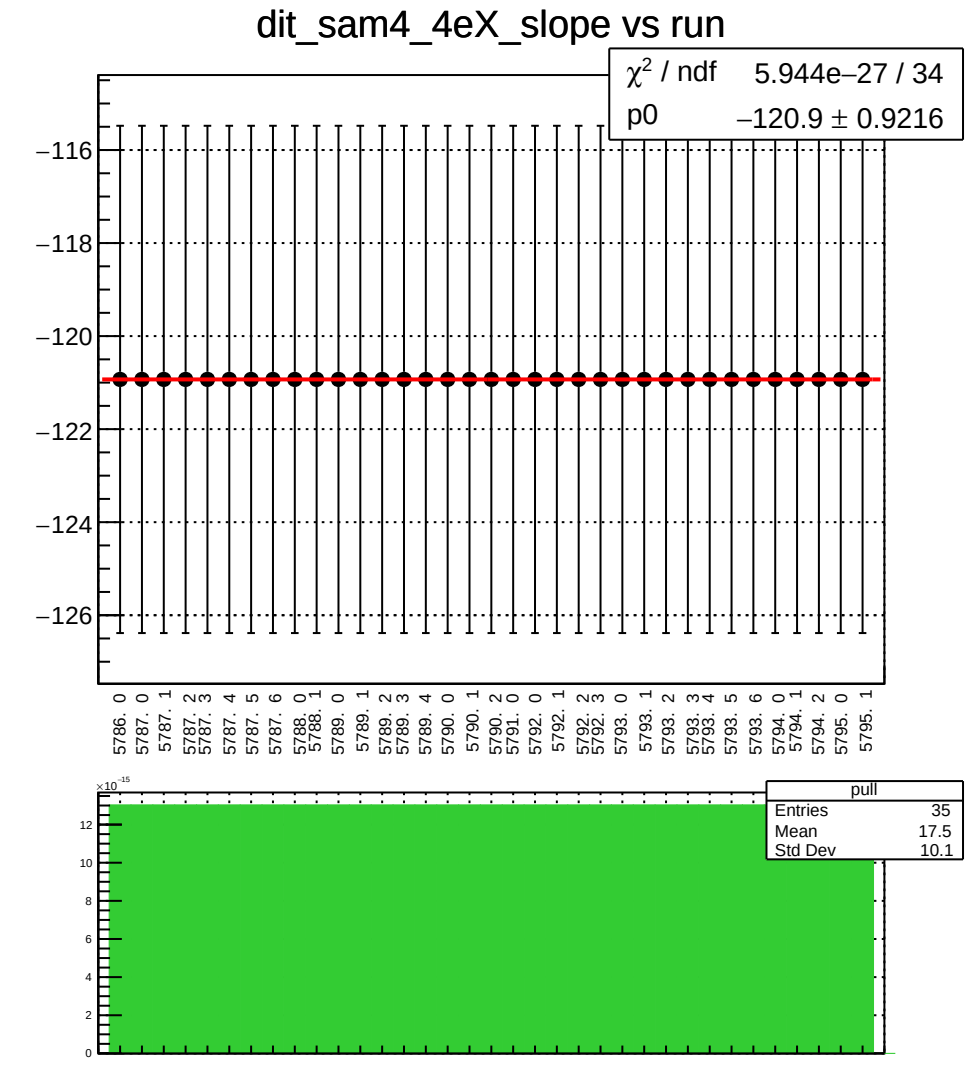

pull1D
Entries 35
Mean −8.421e−15
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

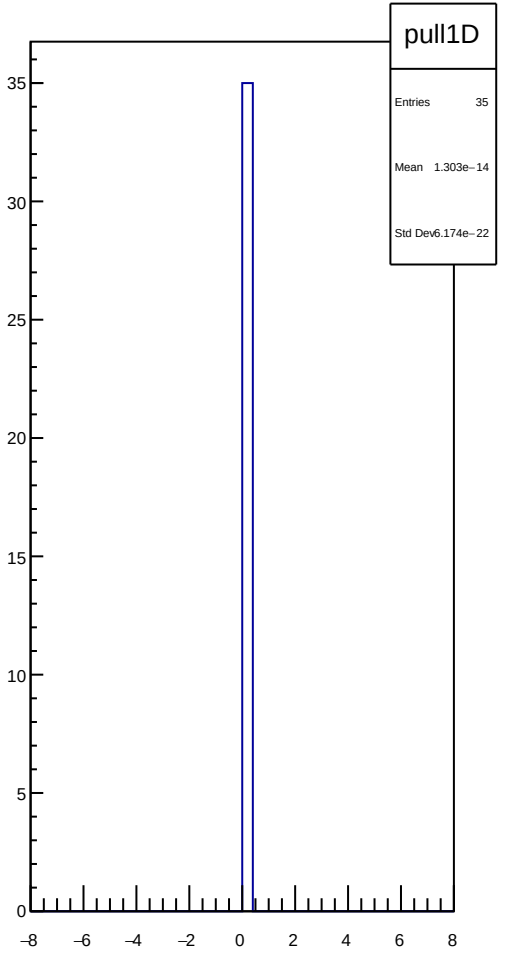

dit_sam3_4eY_slope vs run
χ² / ndf 1.049e−26 / 34
p0 12.79 ± 0.03468
13
12.95
12.9
12.85
12.8
12.75
12.7
12.65
12.6
12.55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean 17.5
Std Dev 10.1

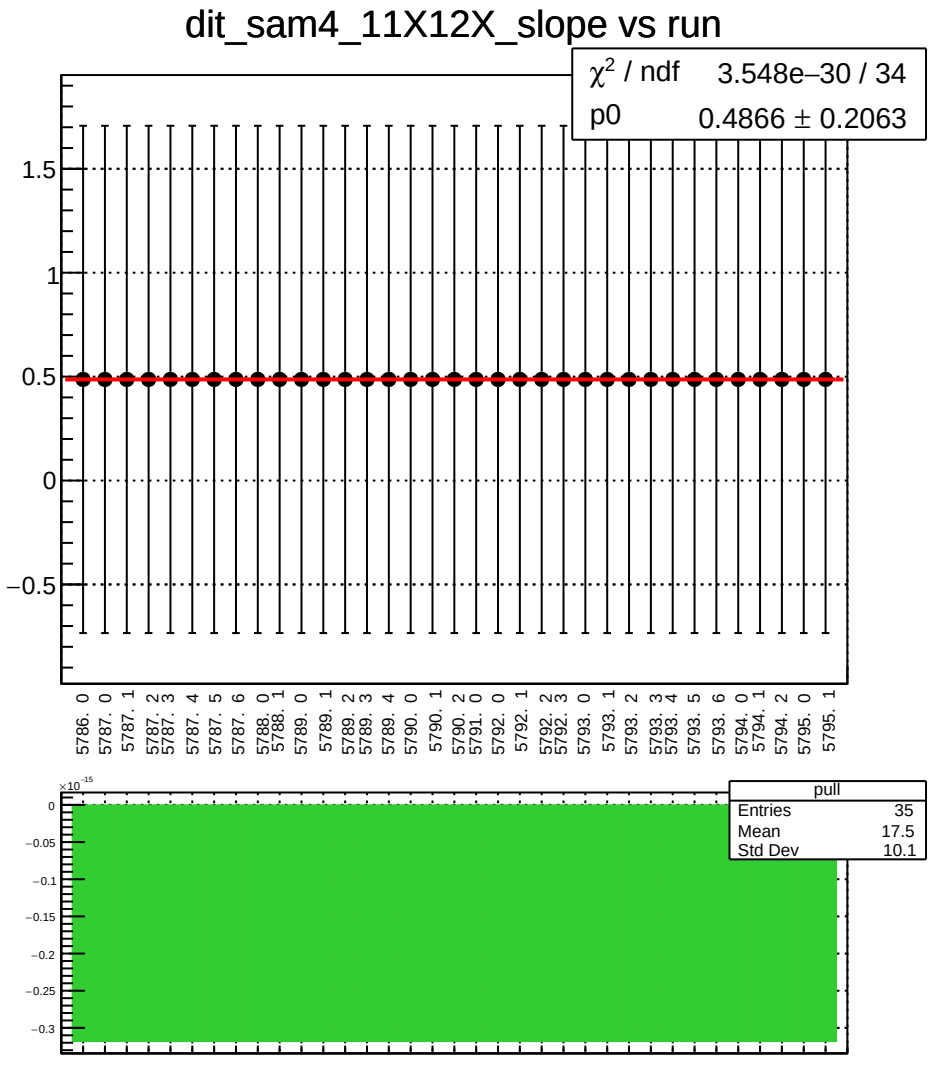

pull1D
Entries 35
Mean −1.732e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

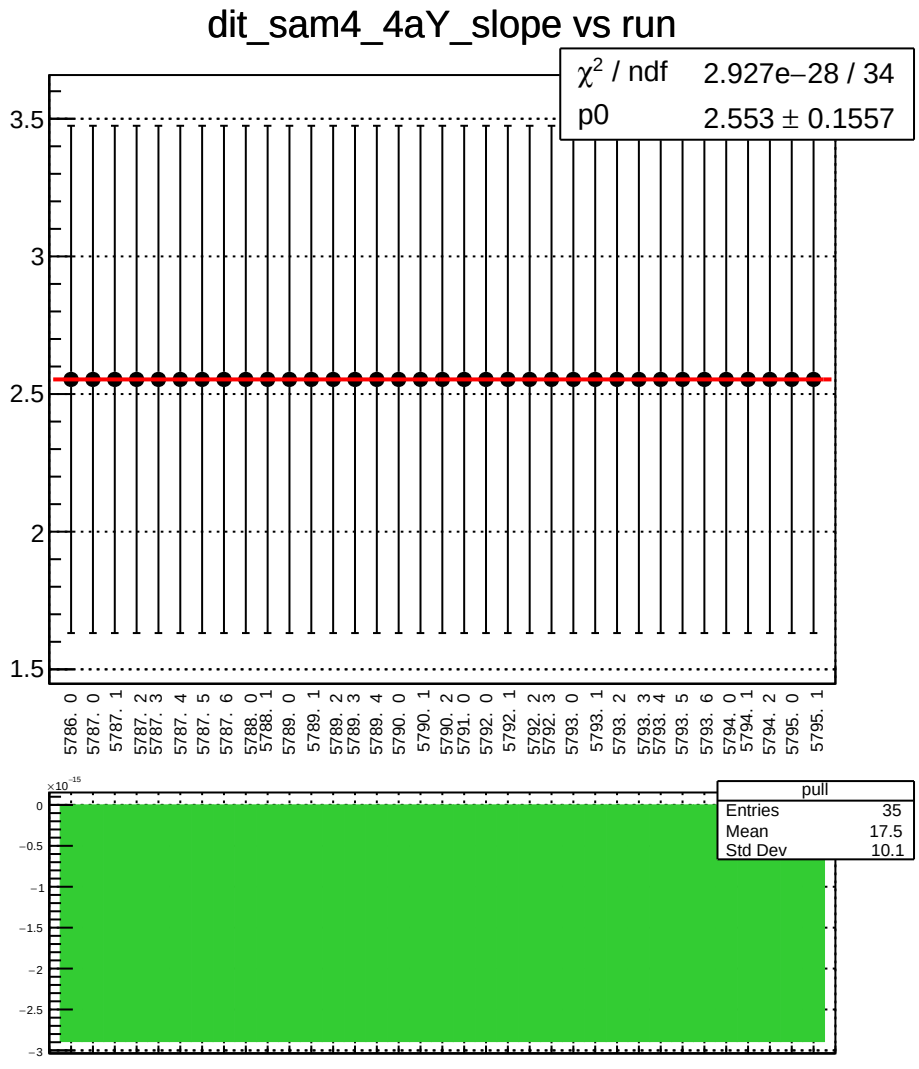

dit_sam4_4aX_slope vs run
χ² / ndf 3.556e−29 / 34
p0 −4.658 ± 0.7448
0
−2
−4
−6
−8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 35
Mean 17.5
Std Dev 10.1

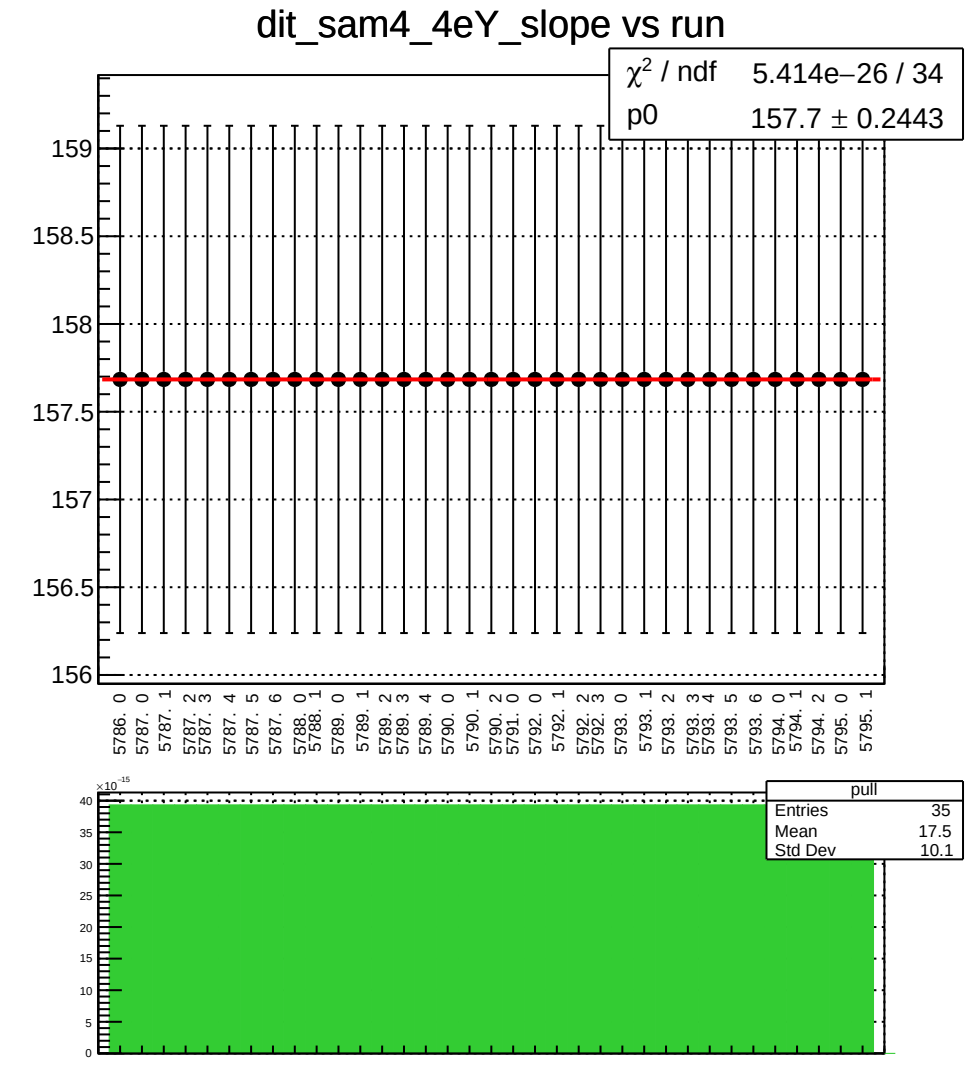

pull1D
Entries 35
Mean −1.008e−15
Std Dev 3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

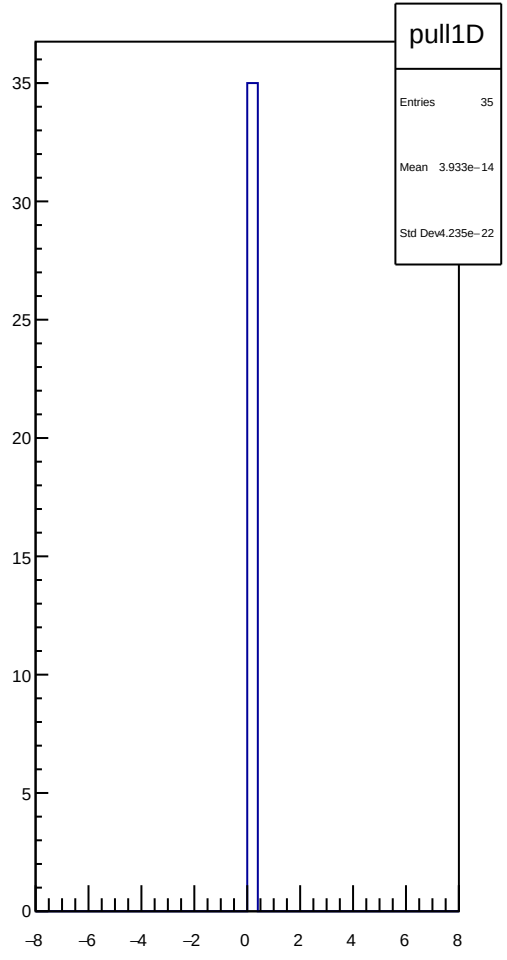

dit_sam4_4eX_slope vs run
χ² / ndf 5.944e−27 / 34
p0 −120.9 ± 0.9216
−116
−118
−120
−122
−124
−126
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

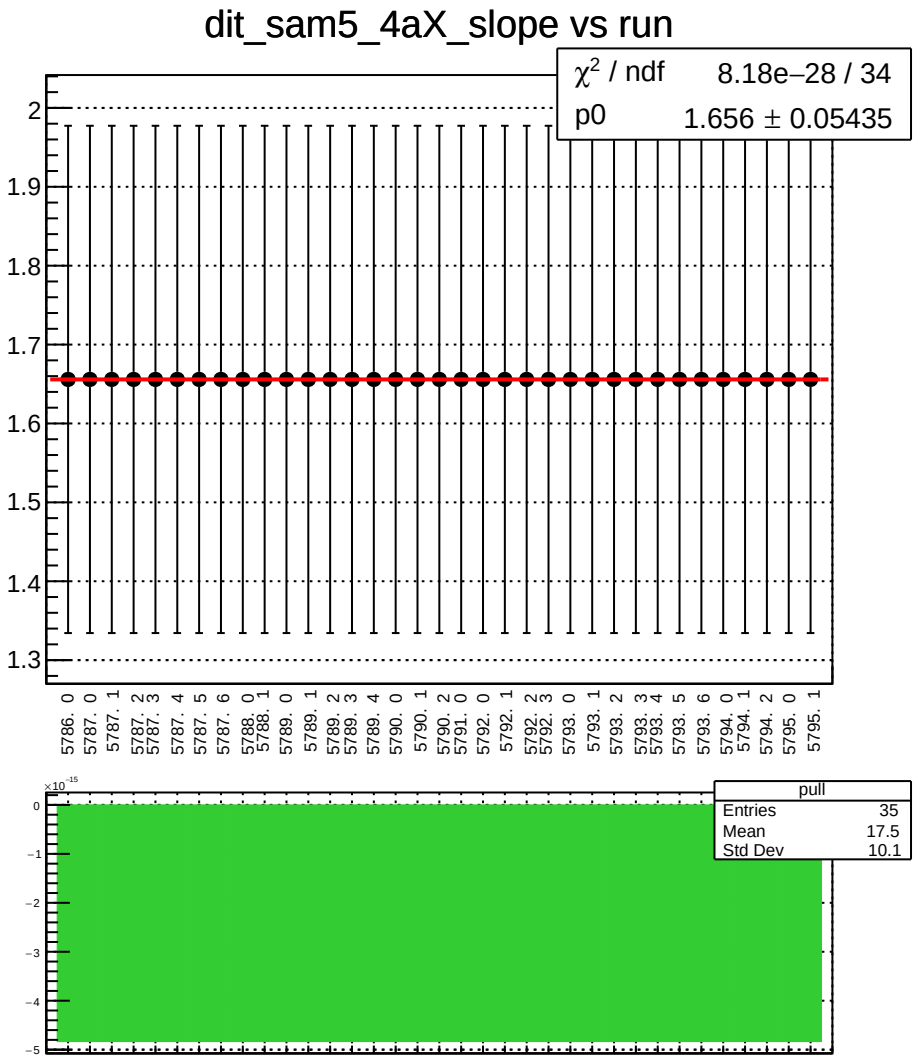

pull1D
Entries 35
Mean 1.303e−14
Std Dev 6.174e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

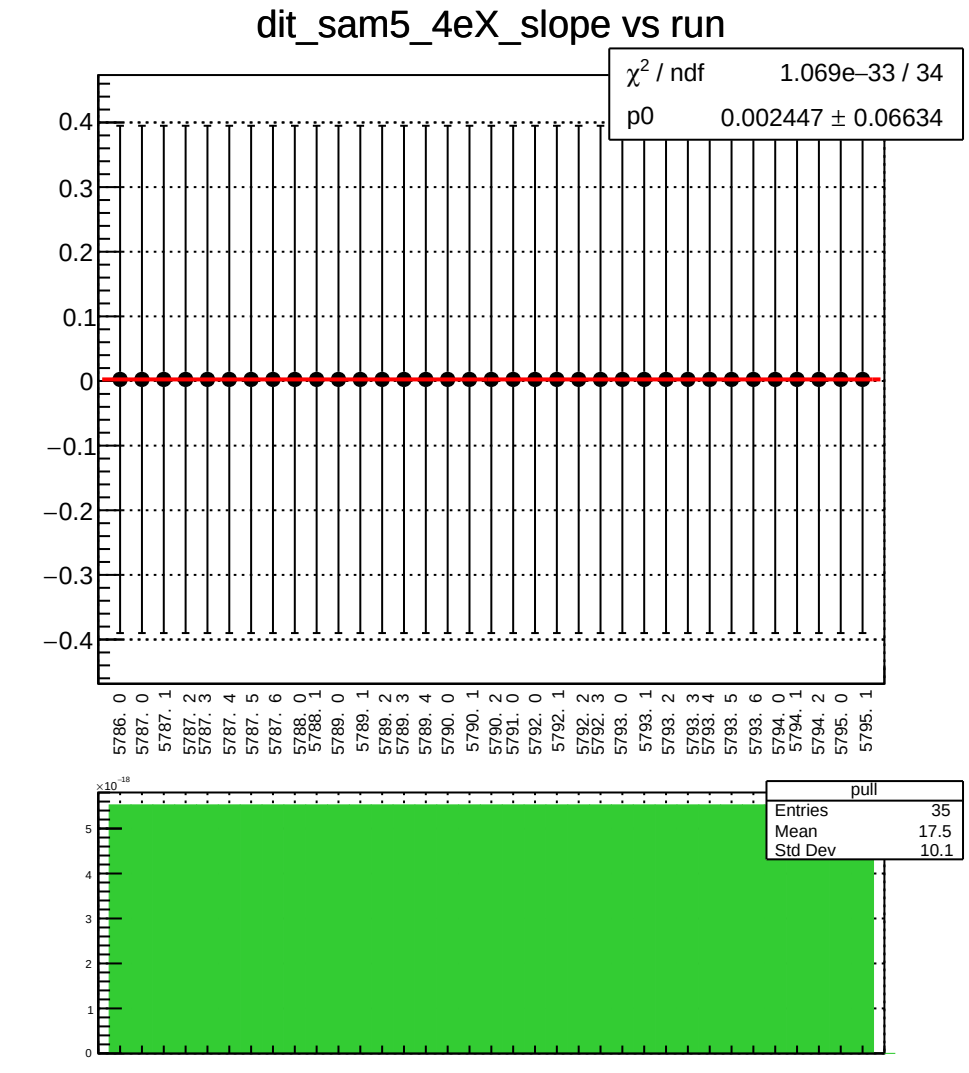

dit_sam4_11X12X_slope vs run
χ² / ndf 3.548e−30 / 34
p0 0.4866 ± 0.2063
1.5
1
0.5
0
−0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −3.184e−16
Std Dev1.046e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

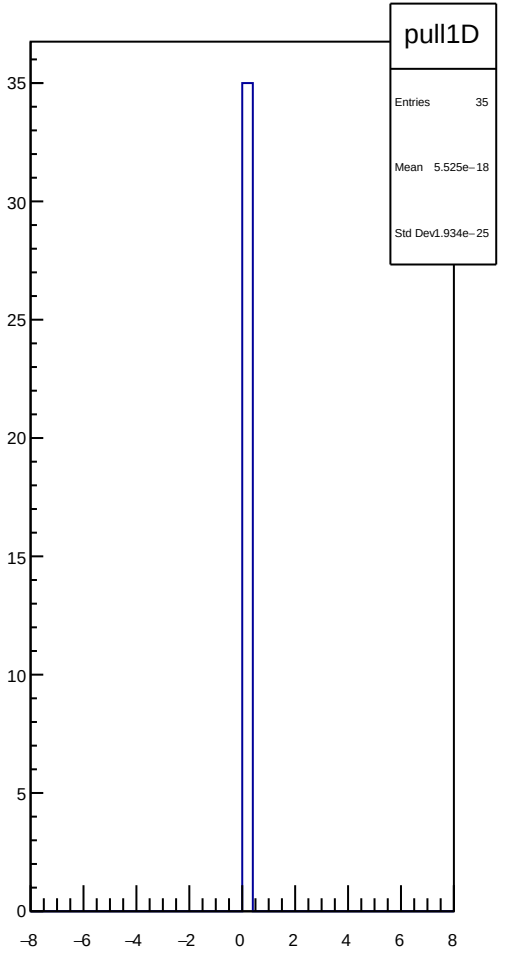

dit_sam4_4aY_slope vs run
χ² / ndf 2.927e−28 / 34
p0 2.553 ± 0.1557
3.5
3
2.5
2
1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −2.892e−15
Std Dev3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

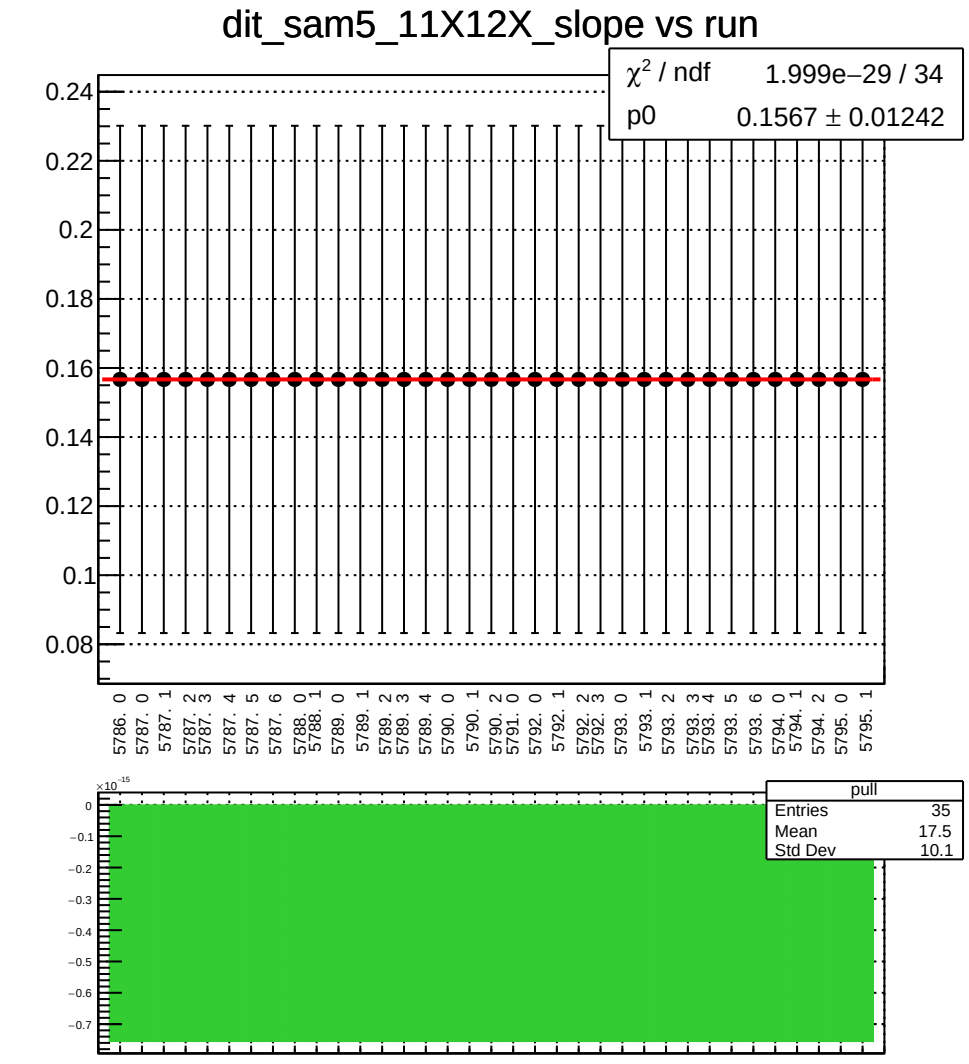

dit_sam4_4eY_slope vs run
χ² / ndf 5.414e−26 / 34
p0 157.7 ± 0.2443
159
158.5
158
157.5
157
156.5
156
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

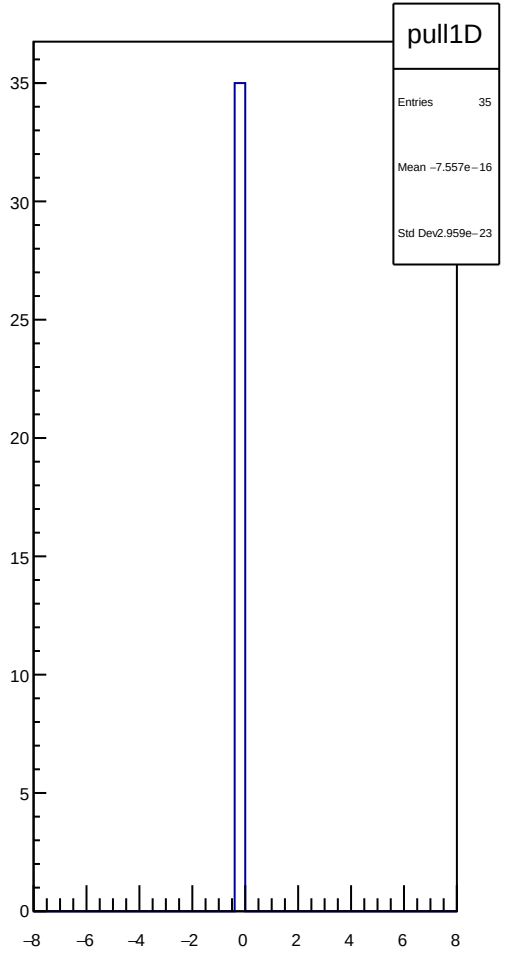

pull1D
Entries 35
Mean 3.933e−14
Std Dev4.235e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

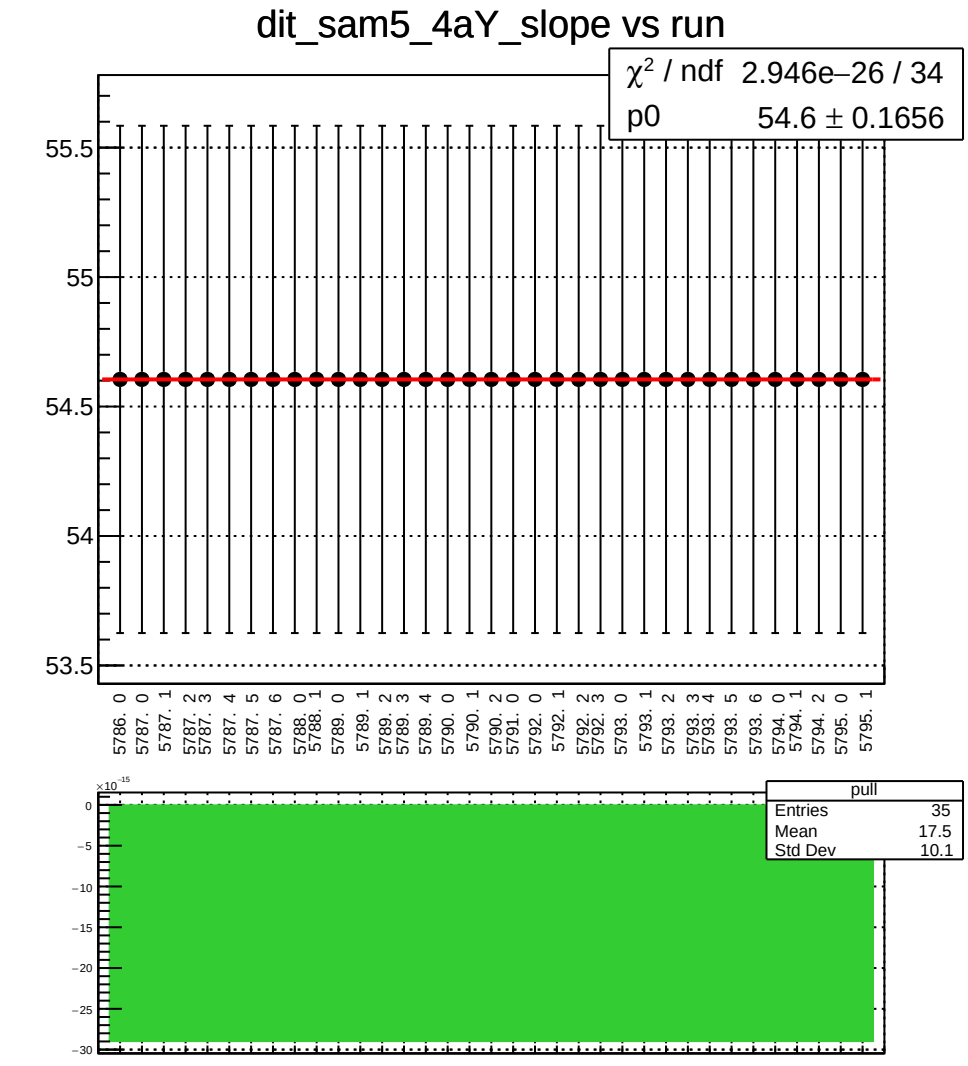

dit_sam5_4aX_slope vs run
χ² / ndf 8.18e−28 / 34
p0 1.656 ± 0.05435
2
1.9
1.8
1.7
1.6
1.5
1.4
1.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean −4.834e−15
Std Dev1.756e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

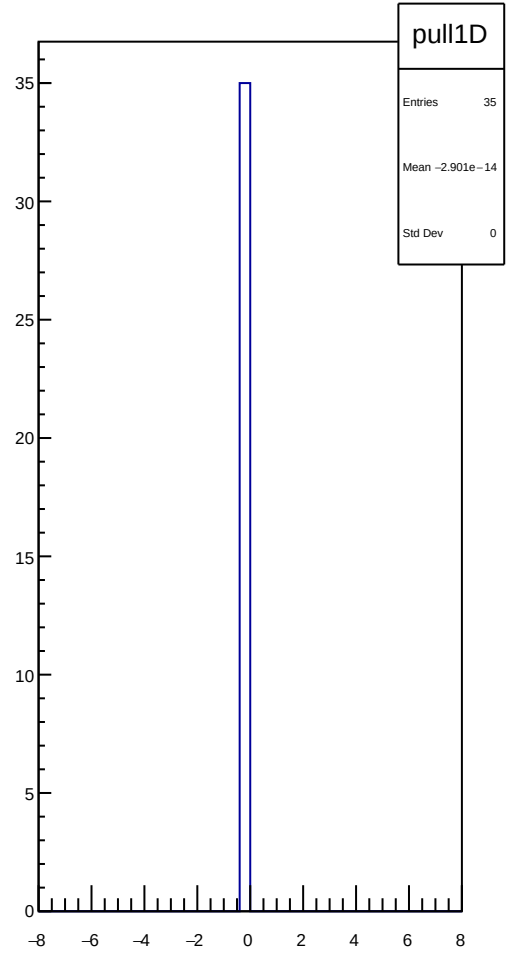

dit_sam5_4eX_slope vs run
χ² / ndf 1.069e−33 / 34
p0 0.002447 ± 0.06634
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁸
5
4
3
2
1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

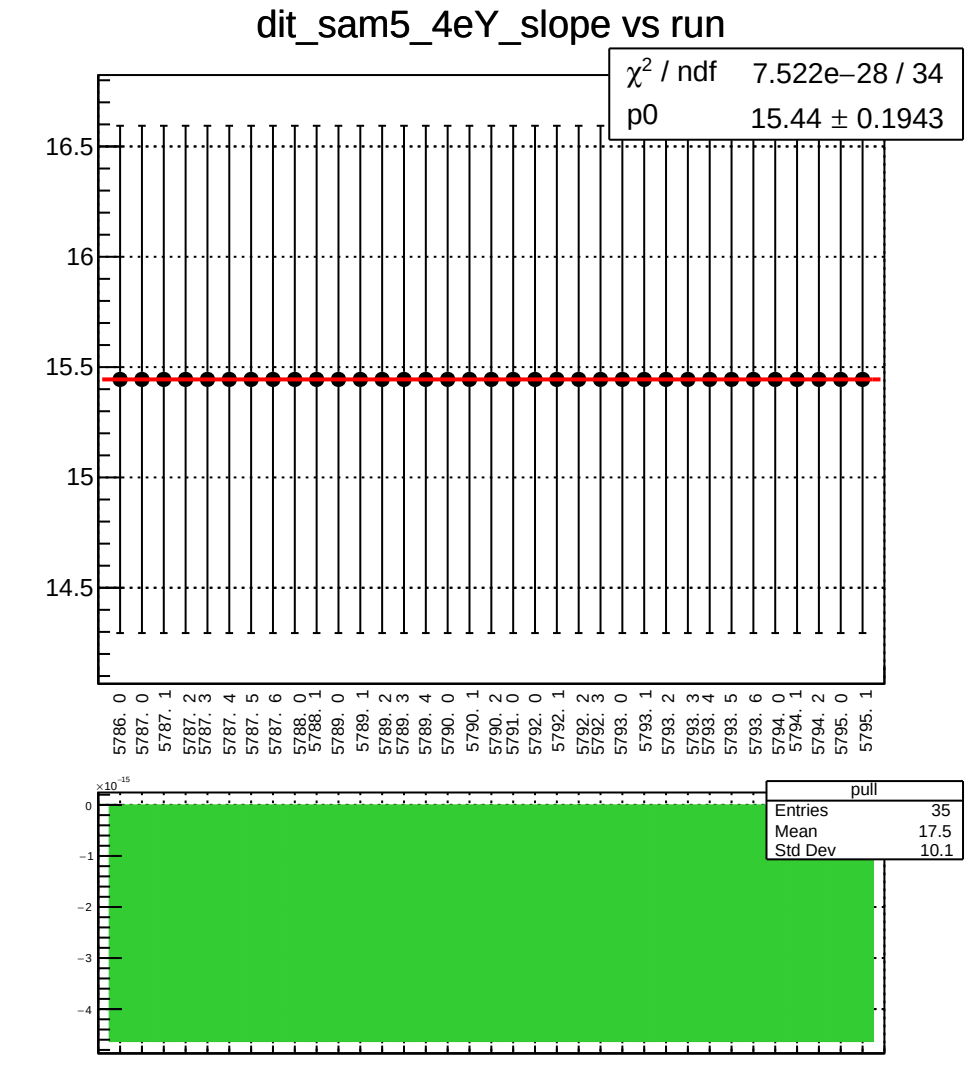

pull1D
Entries 35
Mean 5.525e−18
Std Dev1.934e−25
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

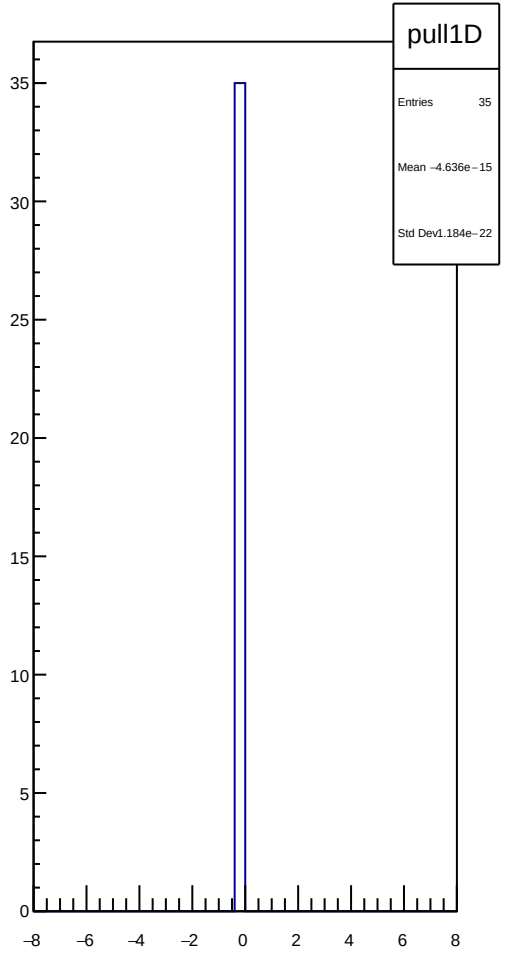

dit_sam5_11X12X_slope vs run
χ² / ndf 1.999e−29 / 34
p0 0.1567 ± 0.01242
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull
Entries 35
Mean 17.5
Std Dev 10.1

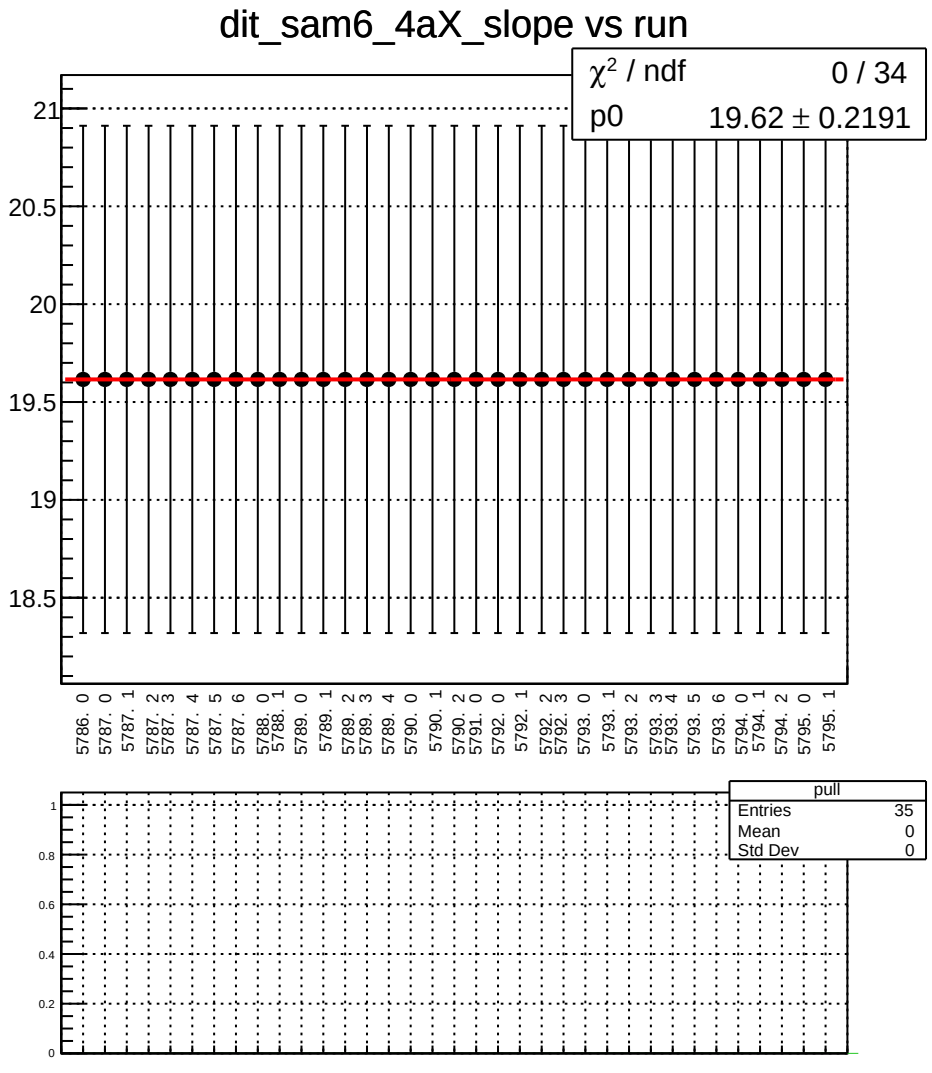

pull1D
Entries 35
Mean −7.557e−16
Std Dev2.959e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

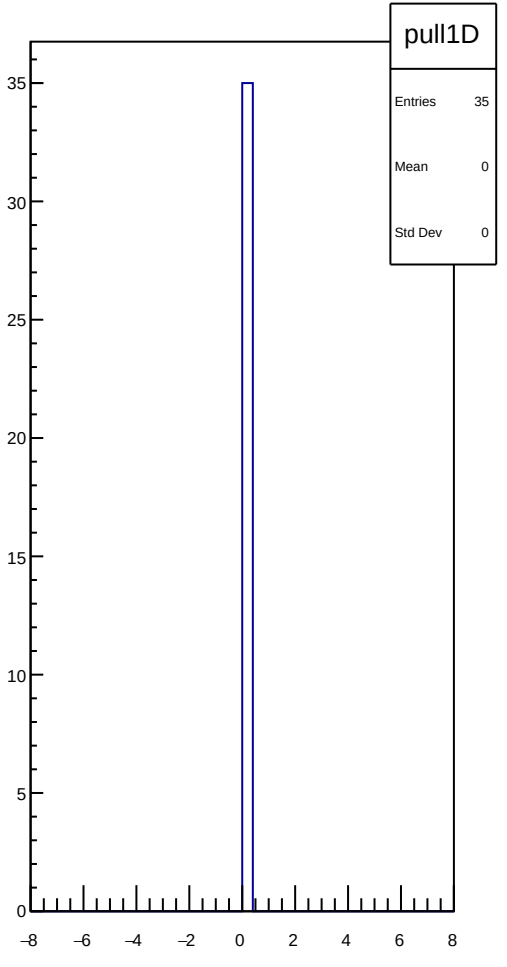

dit_sam5_4aY_slope vs run
χ² / ndf 2.946e−26 / 34
p0 54.6 ± 0.1656
55.5
55
54.5
54
53.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 35
Mean 17.5
Std Dev 10.1

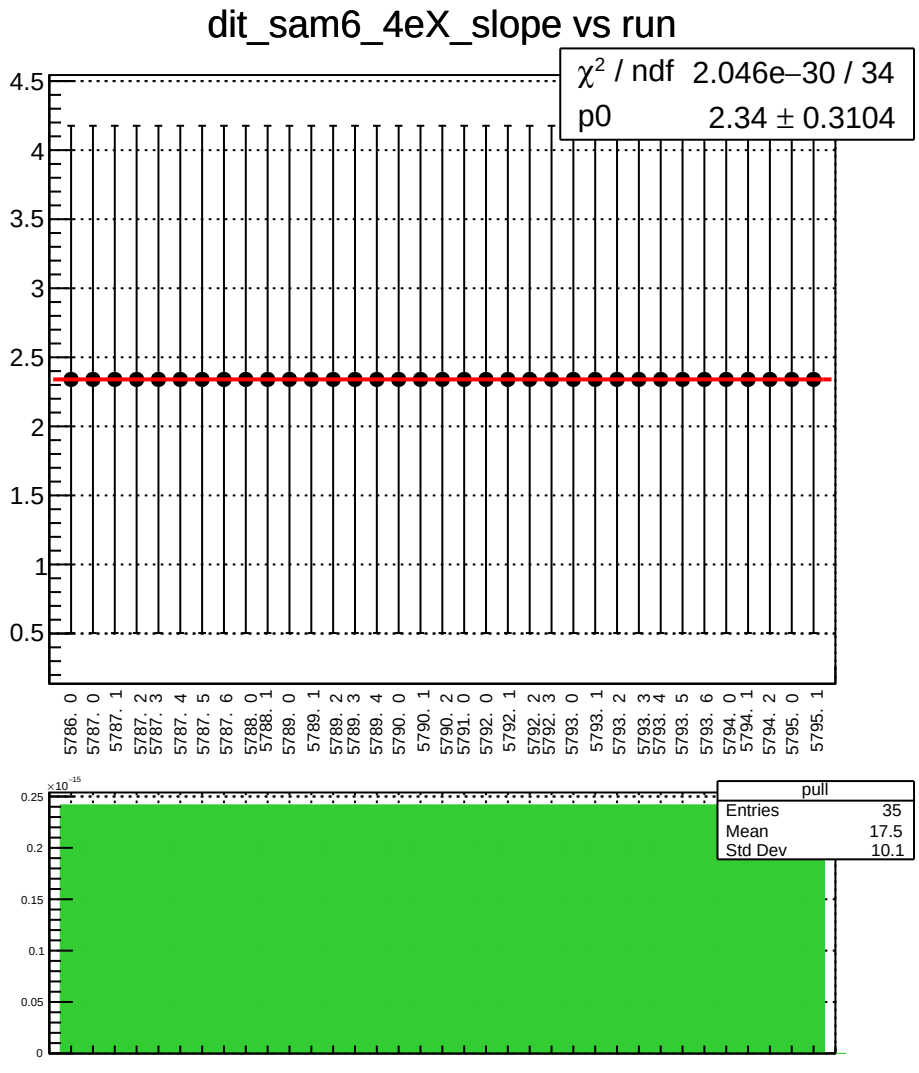

pull1D
Entries 35
Mean −2.901e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

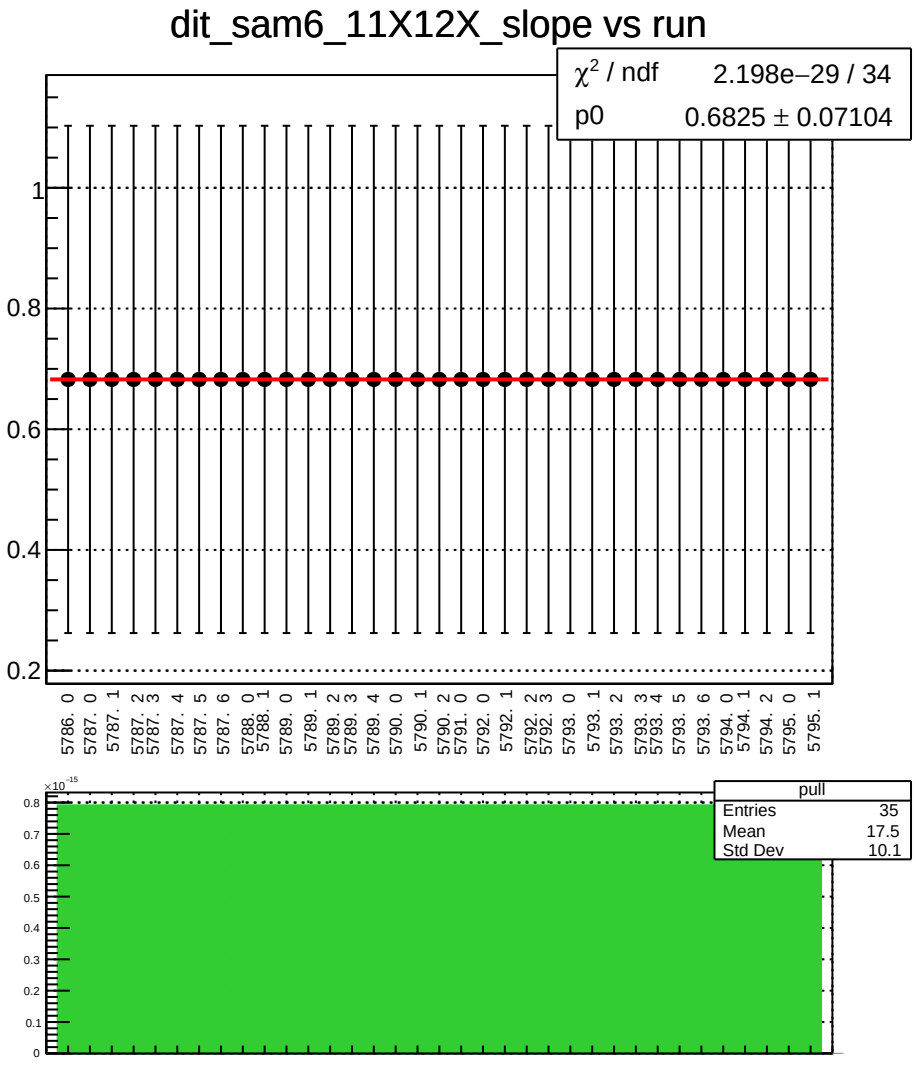

dit_sam5_4eY_slope vs run
χ² / ndf 7.522e−28 / 34
p0 15.44 ± 0.1943
16.5
16
15.5
15
14.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
pull
Entries 35
Mean 17.5
Std Dev 10.1

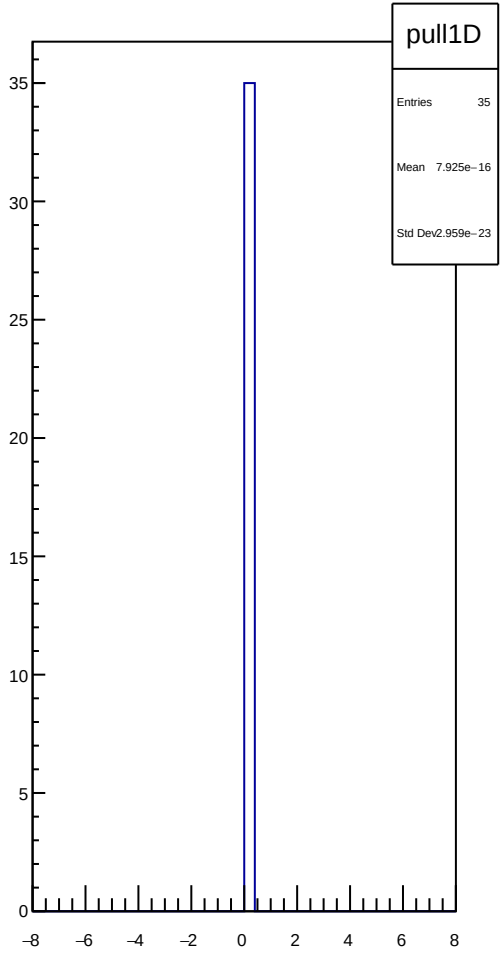

pull1D
Entries 35
Mean −4.636e−15
Std Dev1.184e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

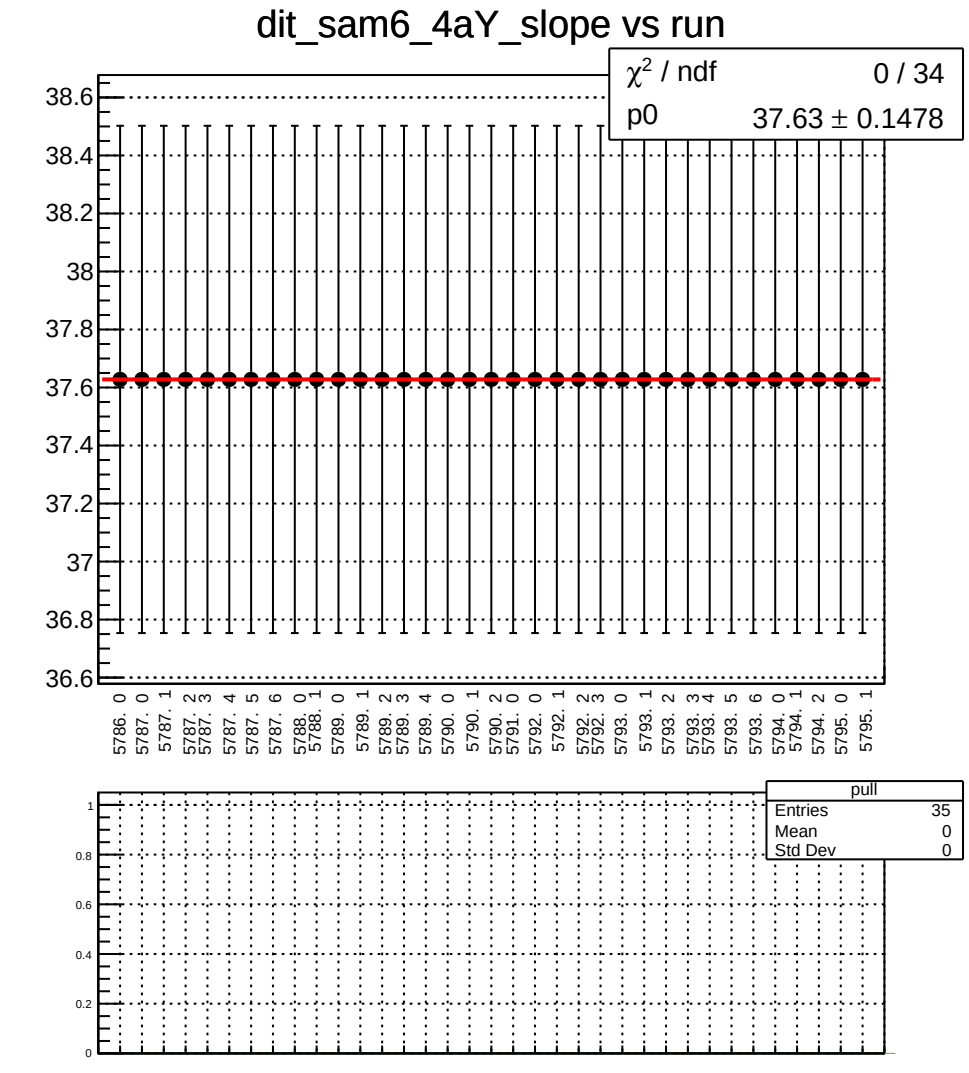

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 34
p0 19.62 ± 0.2191
21
20.5
20
19.5
19
18.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

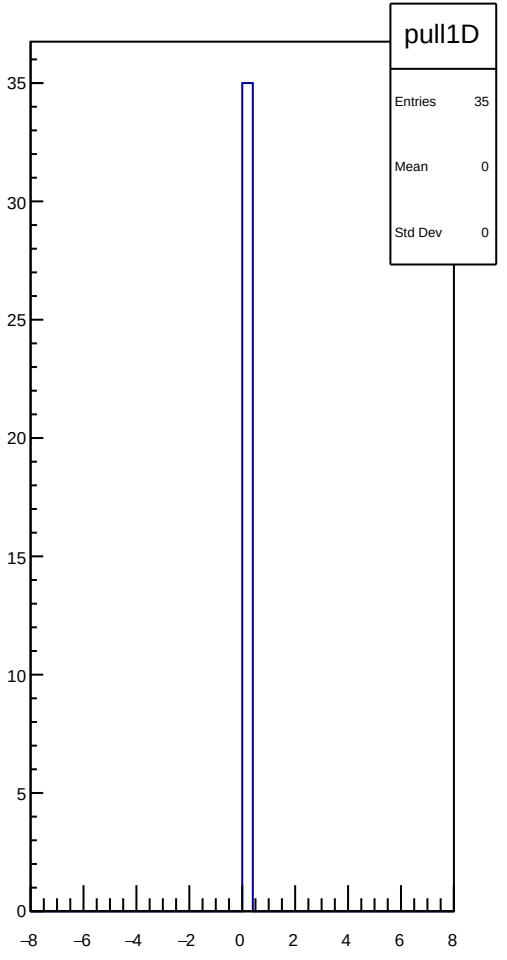

pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

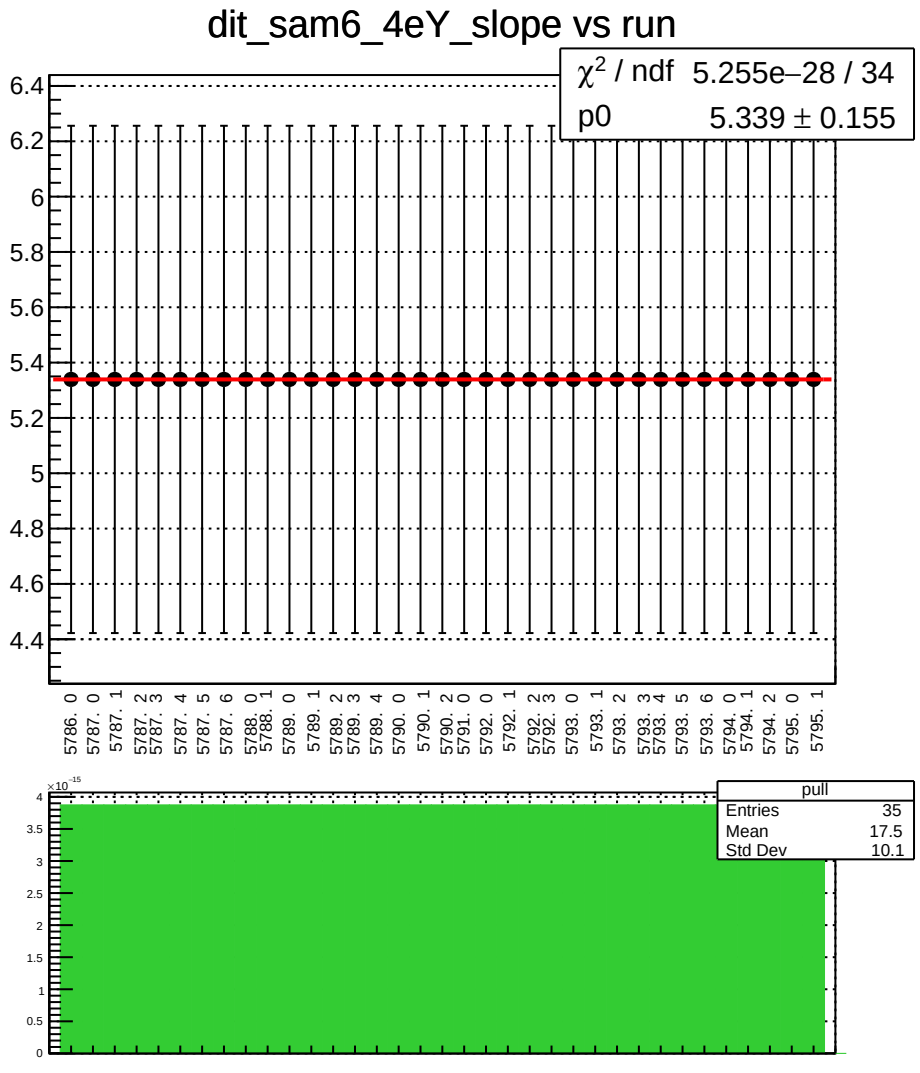

dit_sam6_4eX_slope vs run
χ² / ndf 2.046e−30 / 34
p0 2.34 ± 0.3104
4.5
4
3.5
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 2.418e−16
Std Dev3.309e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

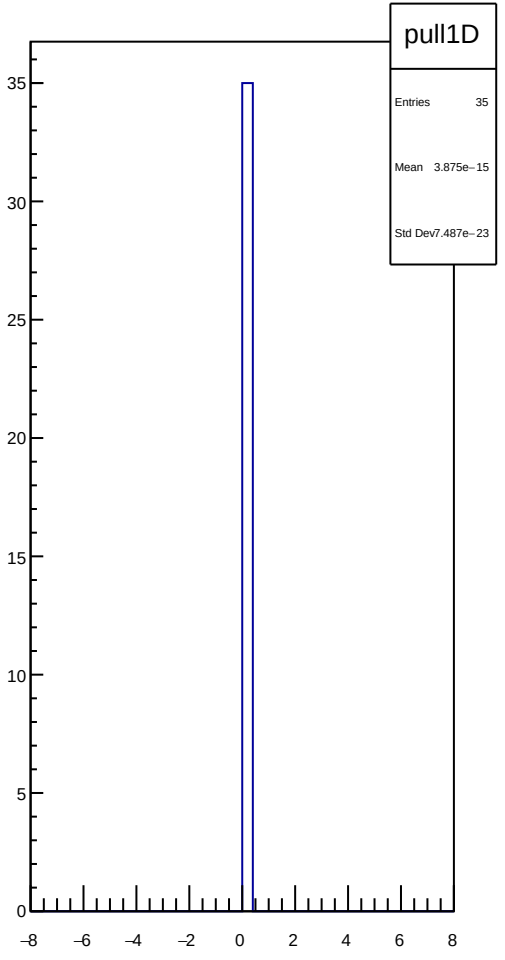

dit_sam6_11X12X_slope vs run
χ² / ndf 2.198e−29 / 34
p0 0.6825 ± 0.07104
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

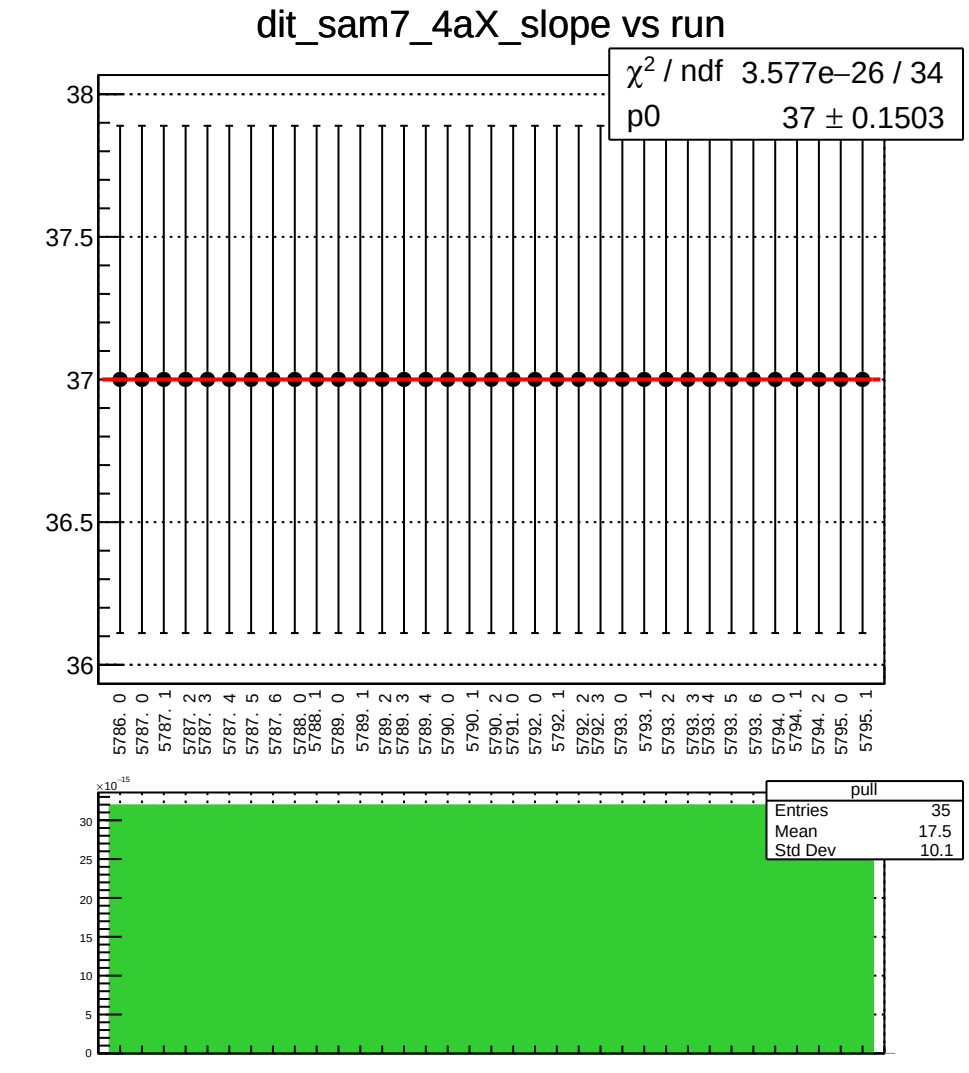

pull1D
Entries 35
Mean 7.925e−16
Std Dev 2.959e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

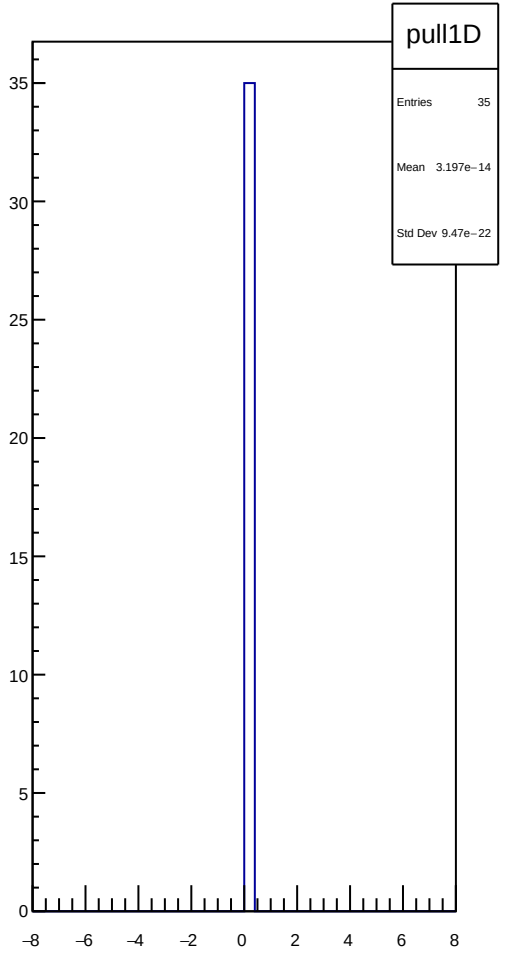

dit_sam6_4aY_slope vs run
χ² / ndf 0 / 34
p0 37.63 ± 0.1478
38.6
38.4
38.2
38
37.8
37.6
37.4
37.2
37
36.8
36.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

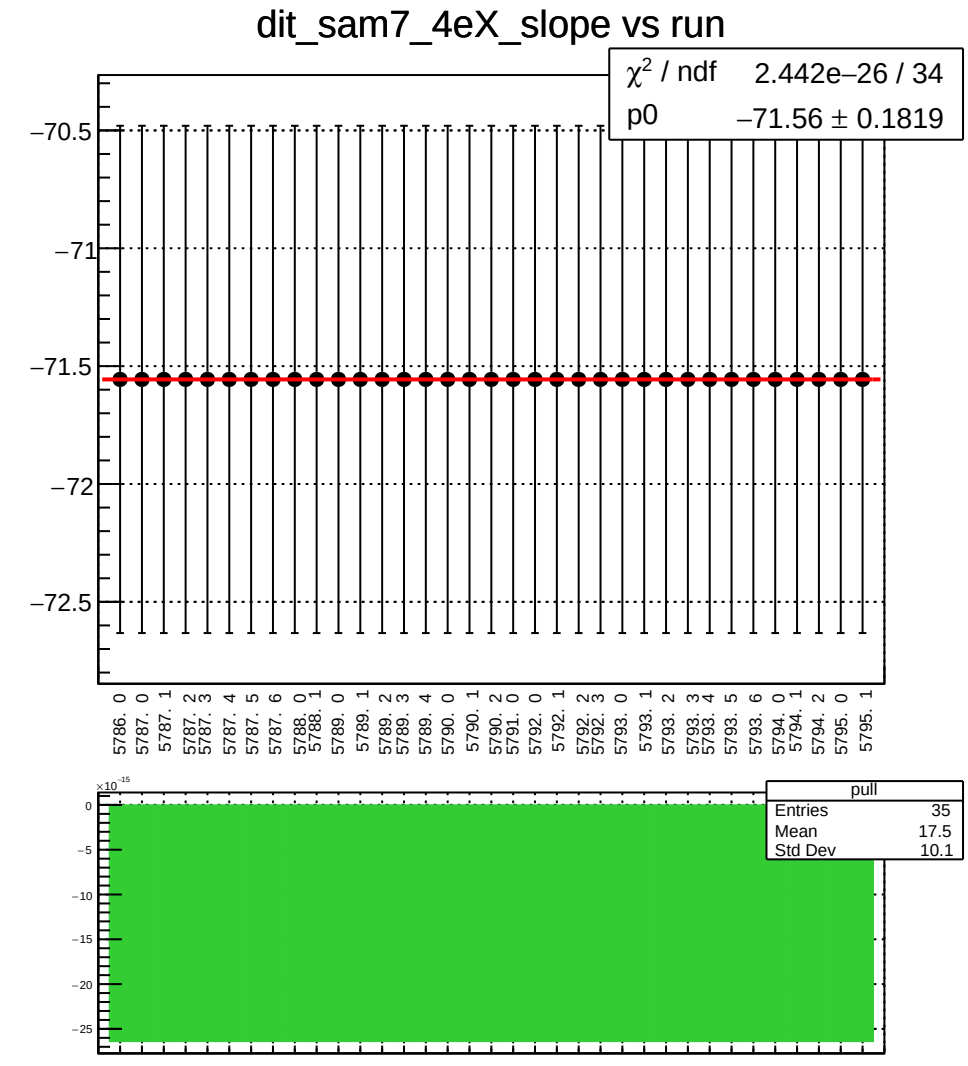

pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

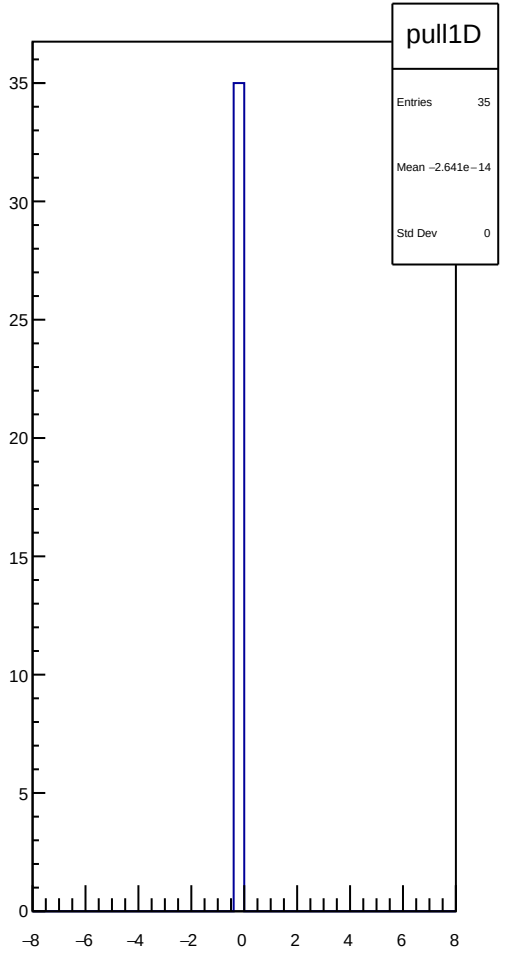

dit_sam6_4eY_slope vs run
χ² / ndf 5.255e−28 / 34
p0 5.339 ± 0.155
6.4
6.2
6
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

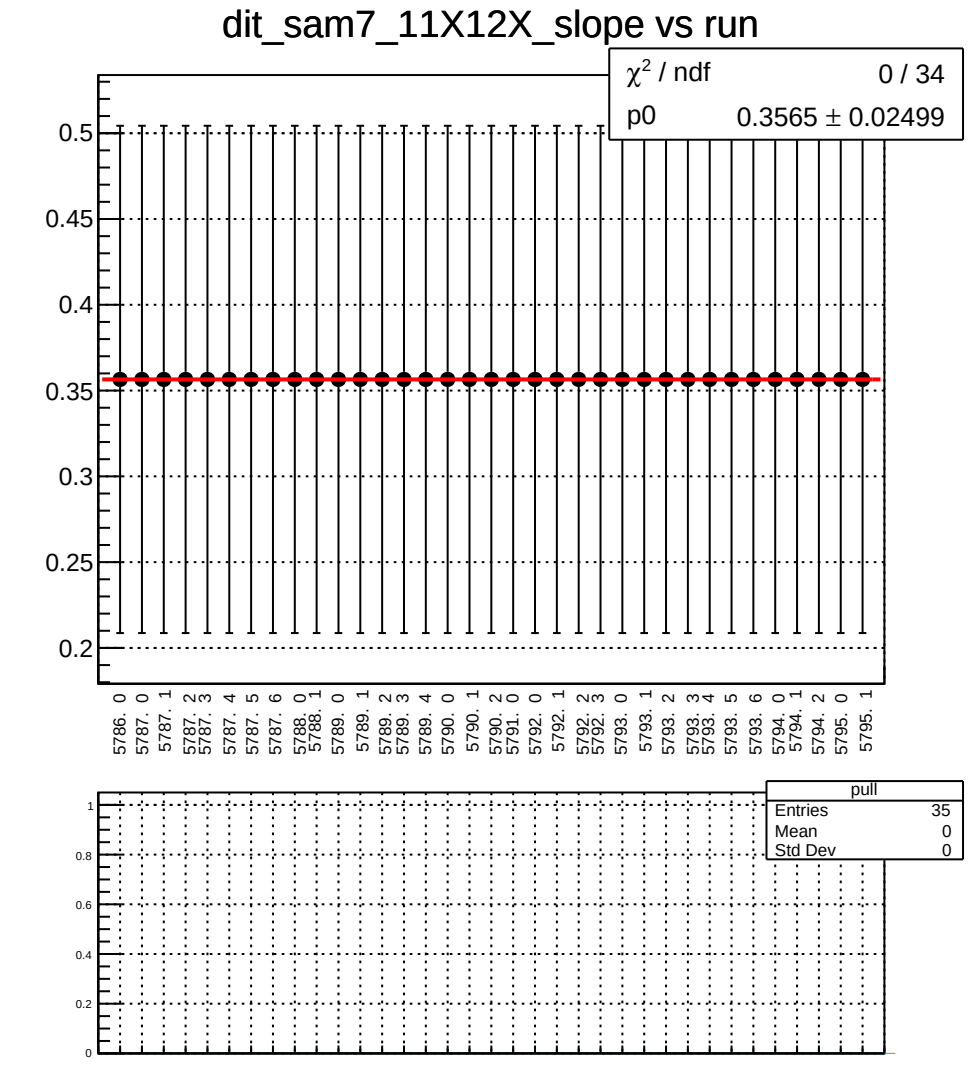

pull1D
Entries 35
Mean 3.875e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

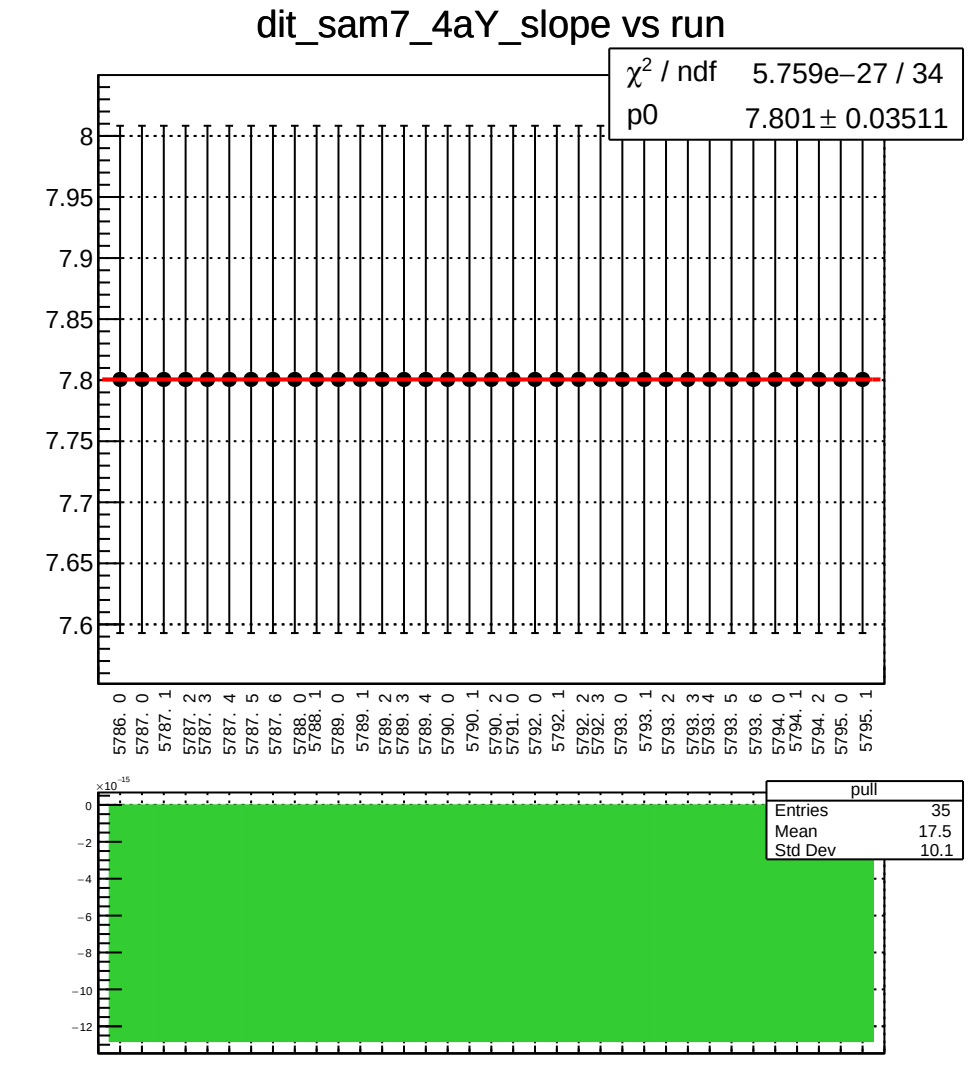

dit_sam7_4aX_slope vs run
χ² / ndf 3.577e−26 / 34
p0 37 ± 0.1503
38
37.5
37
36.5
36
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

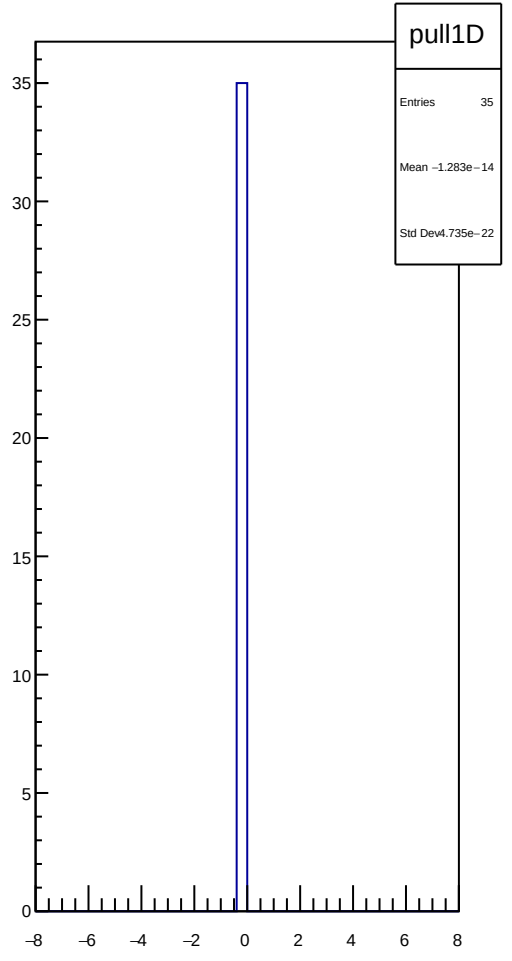

pull1D
Entries 35
Mean 3.197e−14
Std Dev 9.47e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

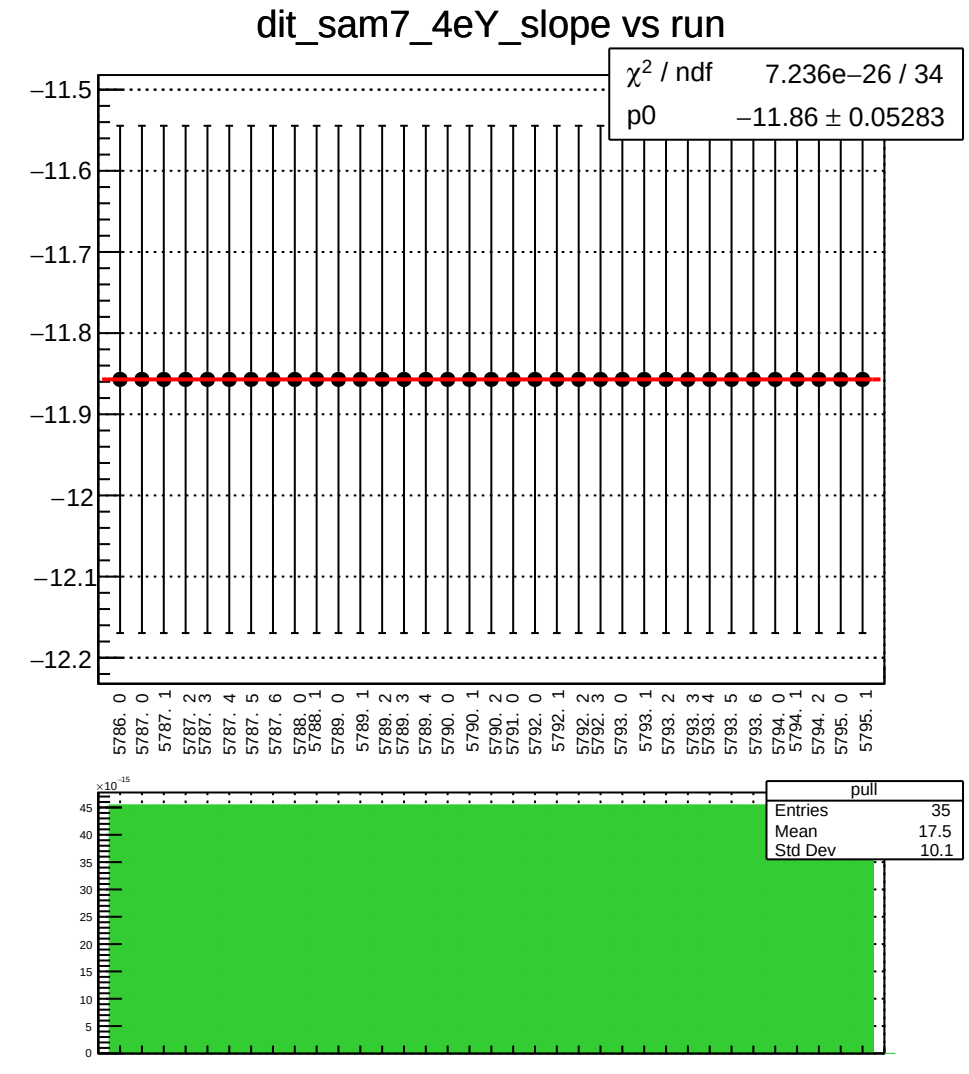

dit_sam7_4eX_slope vs run
χ² / ndf 2.442e−26 / 34
p0 −71.56 ± 0.1819
−70.5
−71
−71.5
−72
−72.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 35
Mean 17.5
Std Dev 10.1

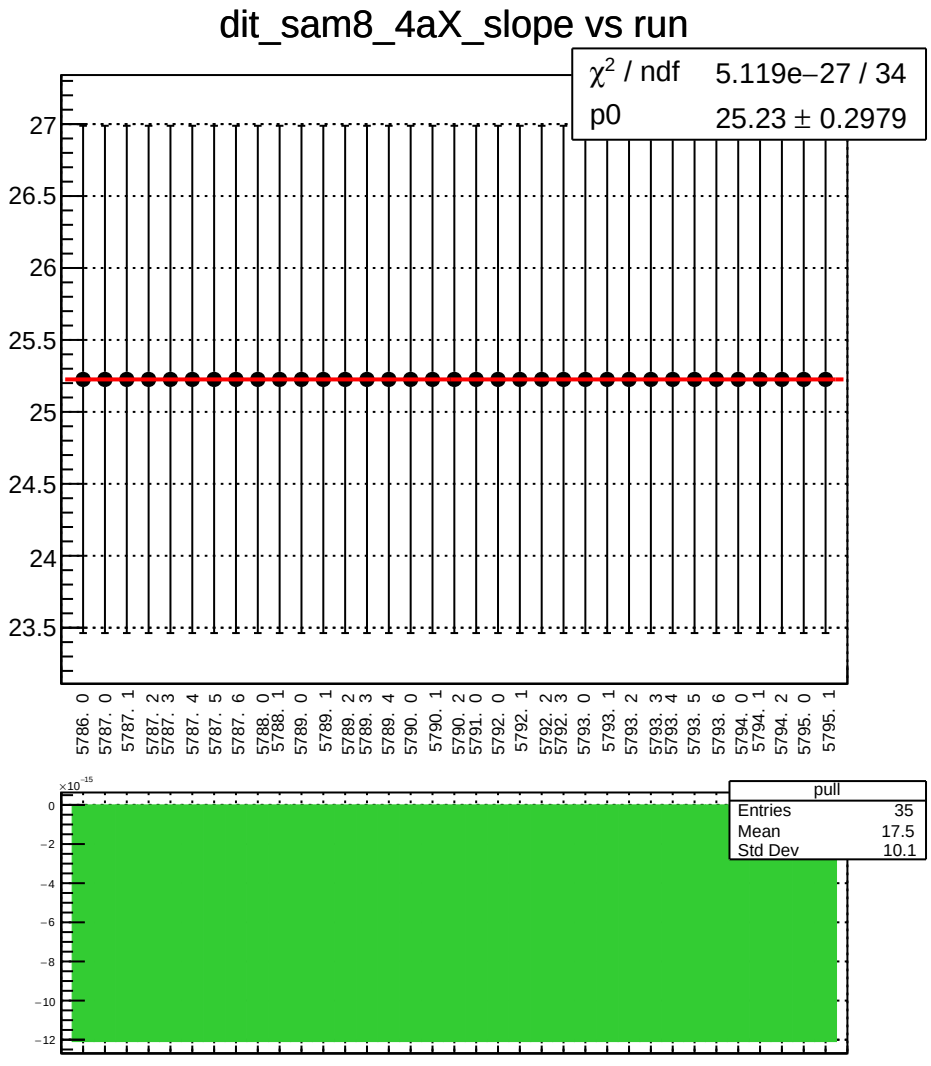

pull1D
Entries 35
Mean −2.641e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

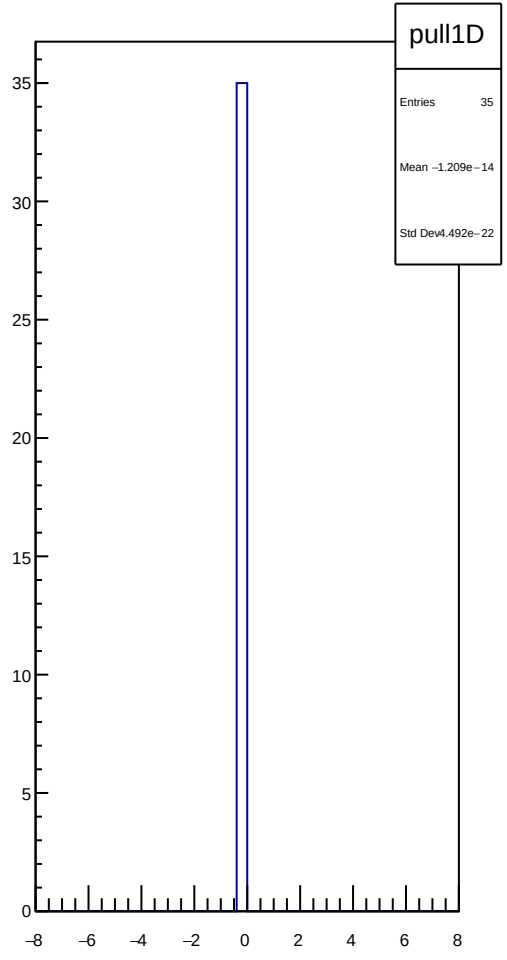

dit_sam7_11X12X_slope vs run
χ² / ndf 0 / 34
p0 0.3565 ± 0.02499
0.5
0.45
0.4
0.35
0.3
0.25
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 35
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

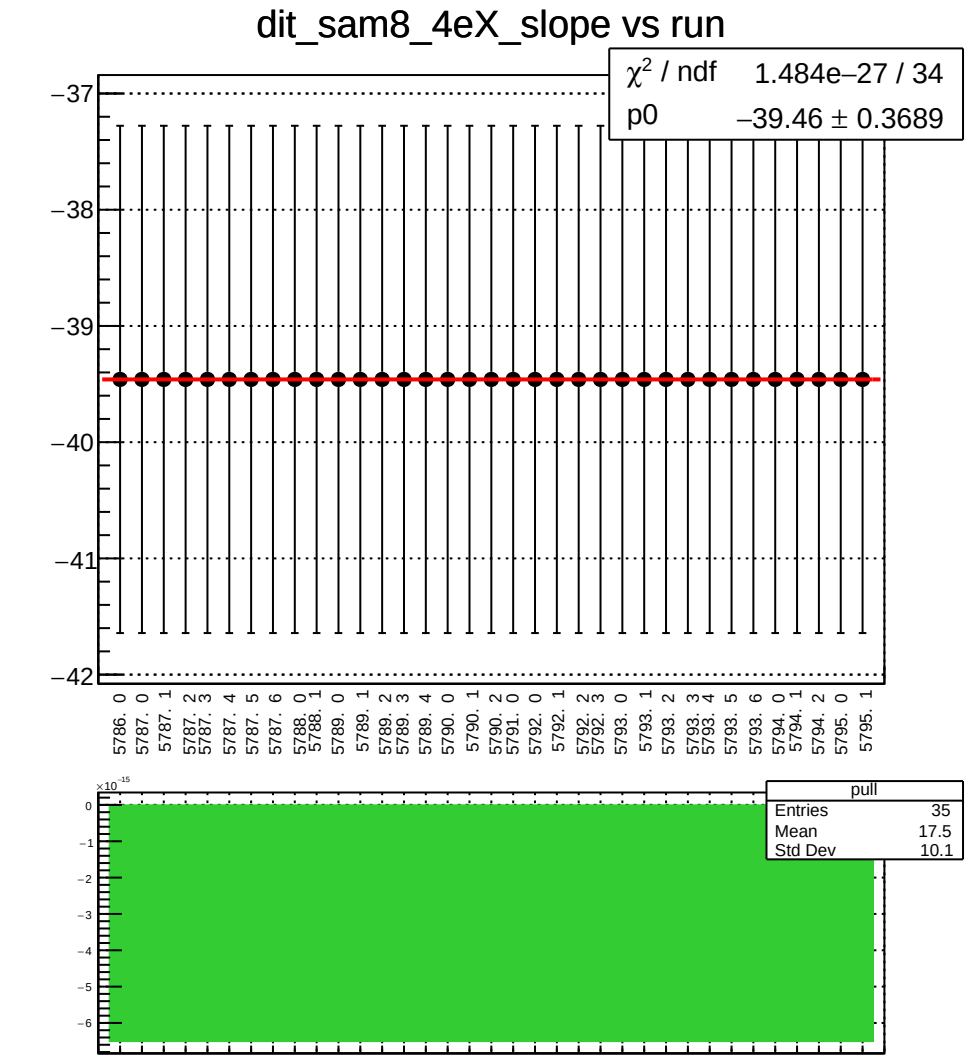

dit_sam7_4aY_slope vs run
χ² / ndf 5.759e−27 / 34
p0 7.801 ± 0.03511
8
7.95
7.9
7.85
7.8
7.75
7.7
7.65
7.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 35
Mean 17.5
Std Dev 10.1

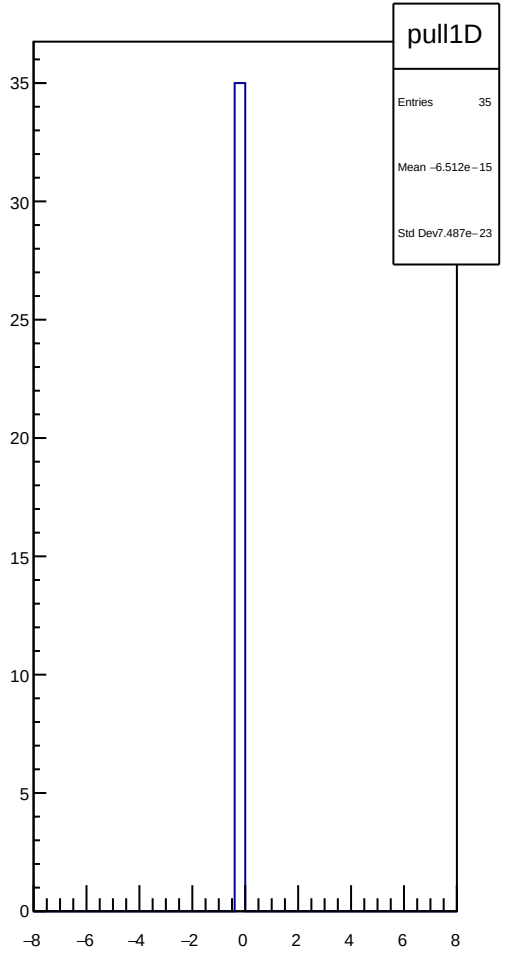

pull1D
Entries 35
Mean −1.283e−14
Std Dev4.735e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

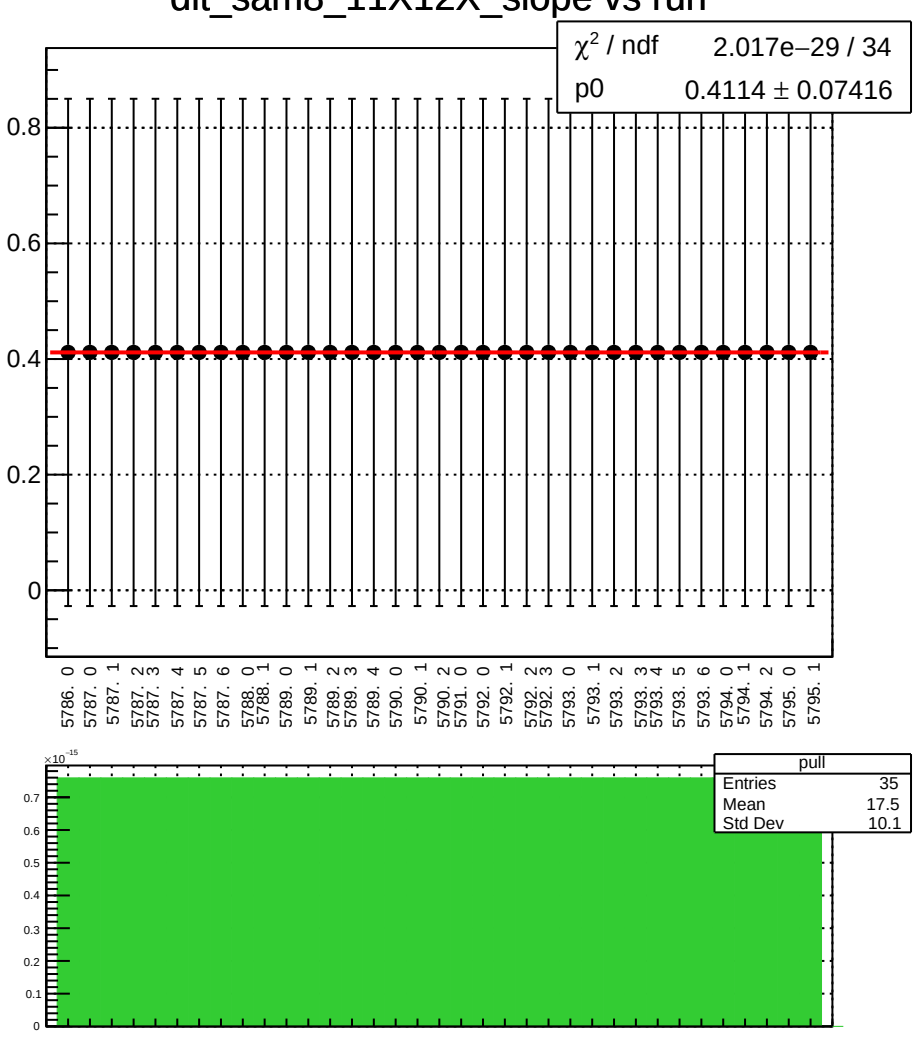

dit_sam7_4eY_slope vs run
χ² / ndf 7.236e−26 / 34
p0 −11.86 ± 0.05283
−11.5
−11.6
−11.7
−11.8
−11.9
−12
−12.1
−12.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 4.547e−14
Std Dev1.694e−21

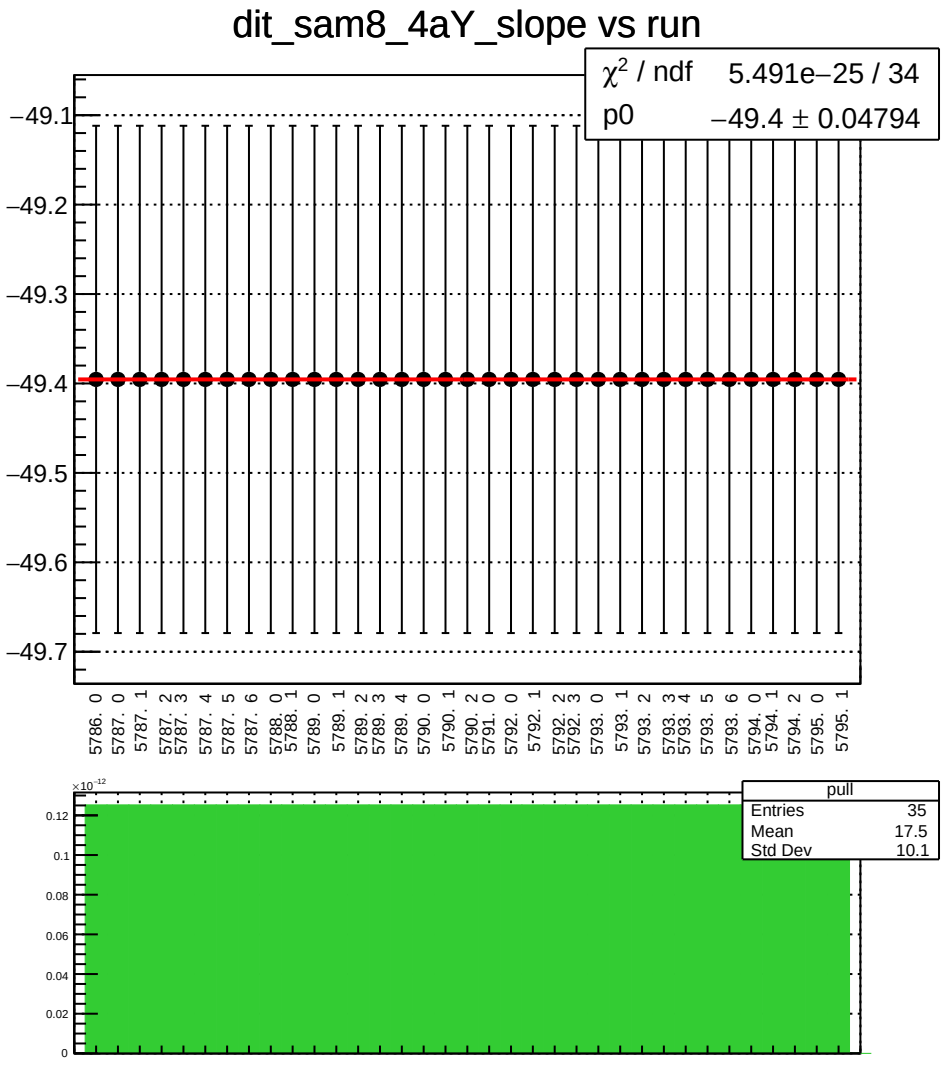

dit_sam8_4aX_slope vs run
χ² / ndf 5.119e−27 / 34
p0 25.23 ± 0.2979
27
26.5
26
25.5
25
24.5
24
23.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 35
Mean 17.5
Std Dev 10.1

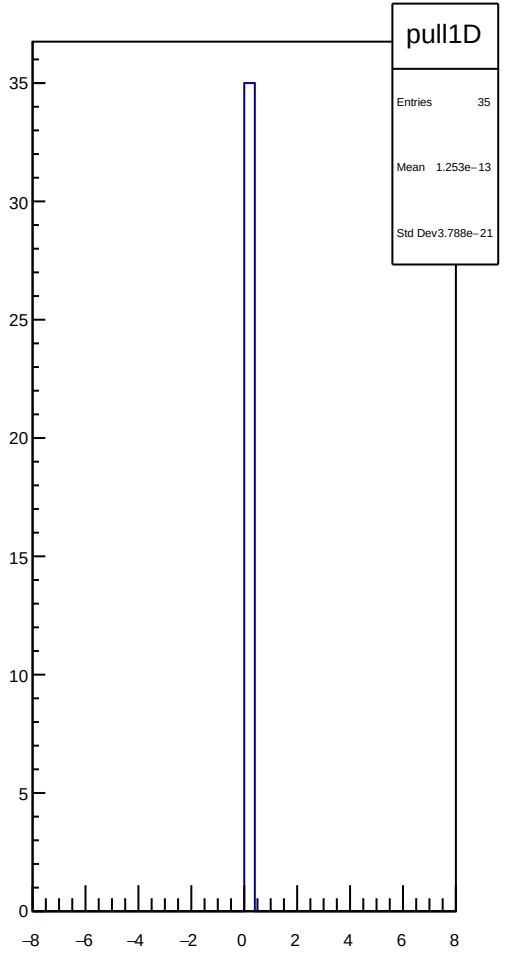

pull1D
Entries 35
Mean −1.209e−14
Std Dev4.492e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

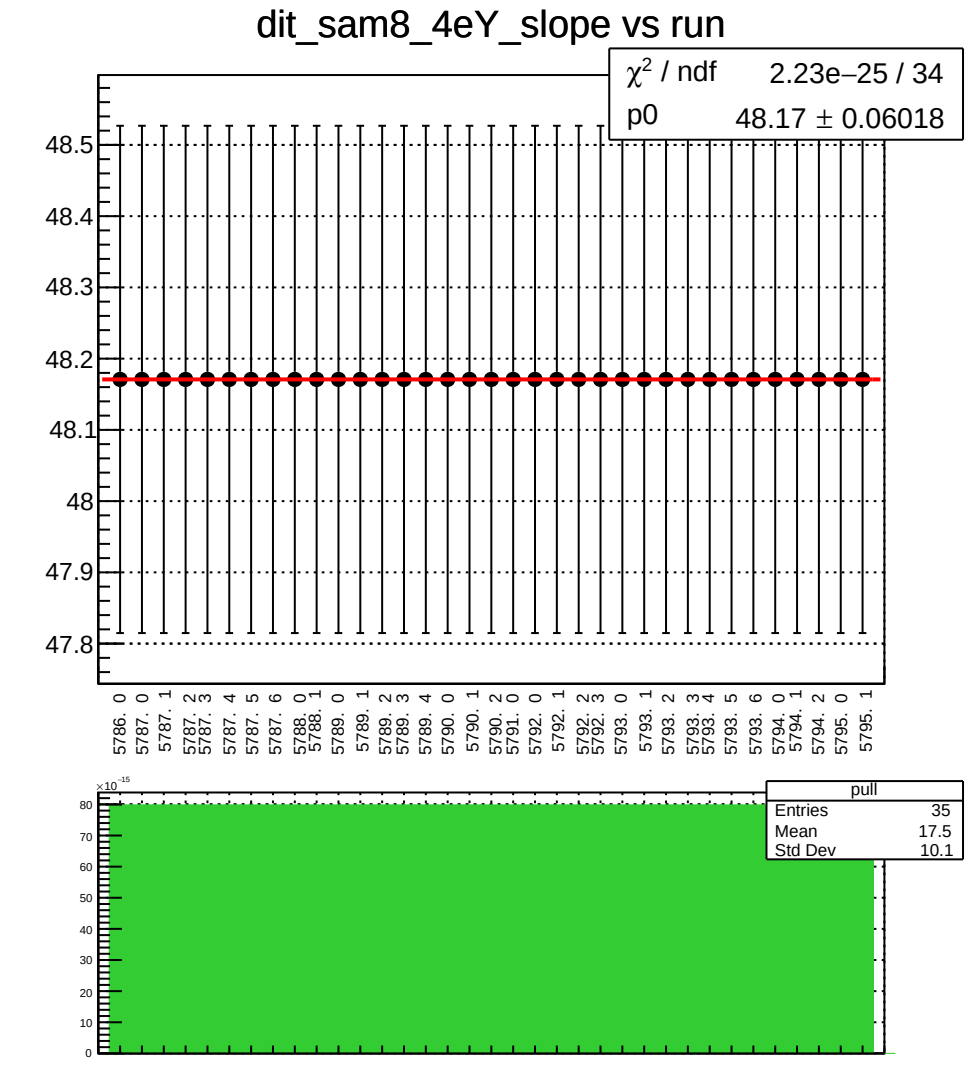

dit_sam8_4eX_slope vs run
χ² / ndf 1.484e−27 / 34
p0 −39.46 ± 0.3689
−37
−38
−39
−40
−41
−42
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 35
Mean 17.5
Std Dev 10.1

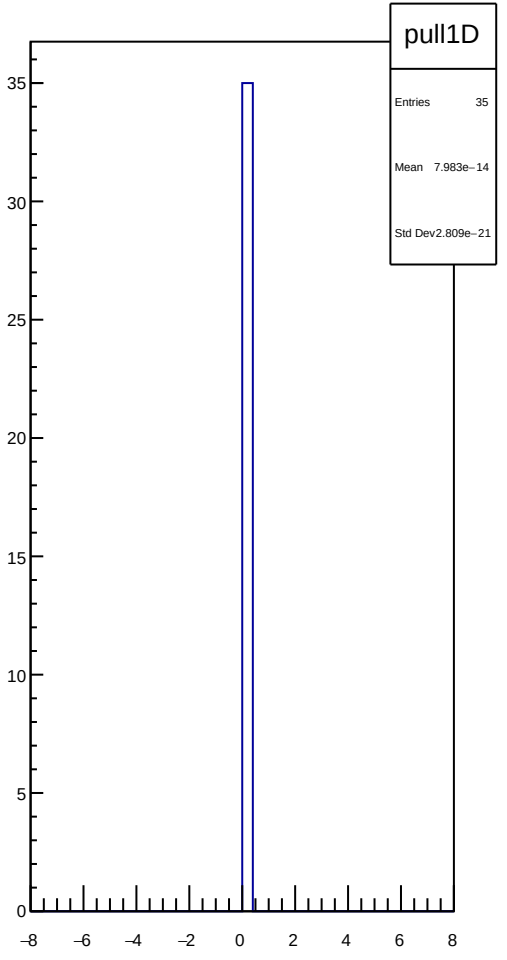

pull1D
Entries 35
Mean −6.512e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

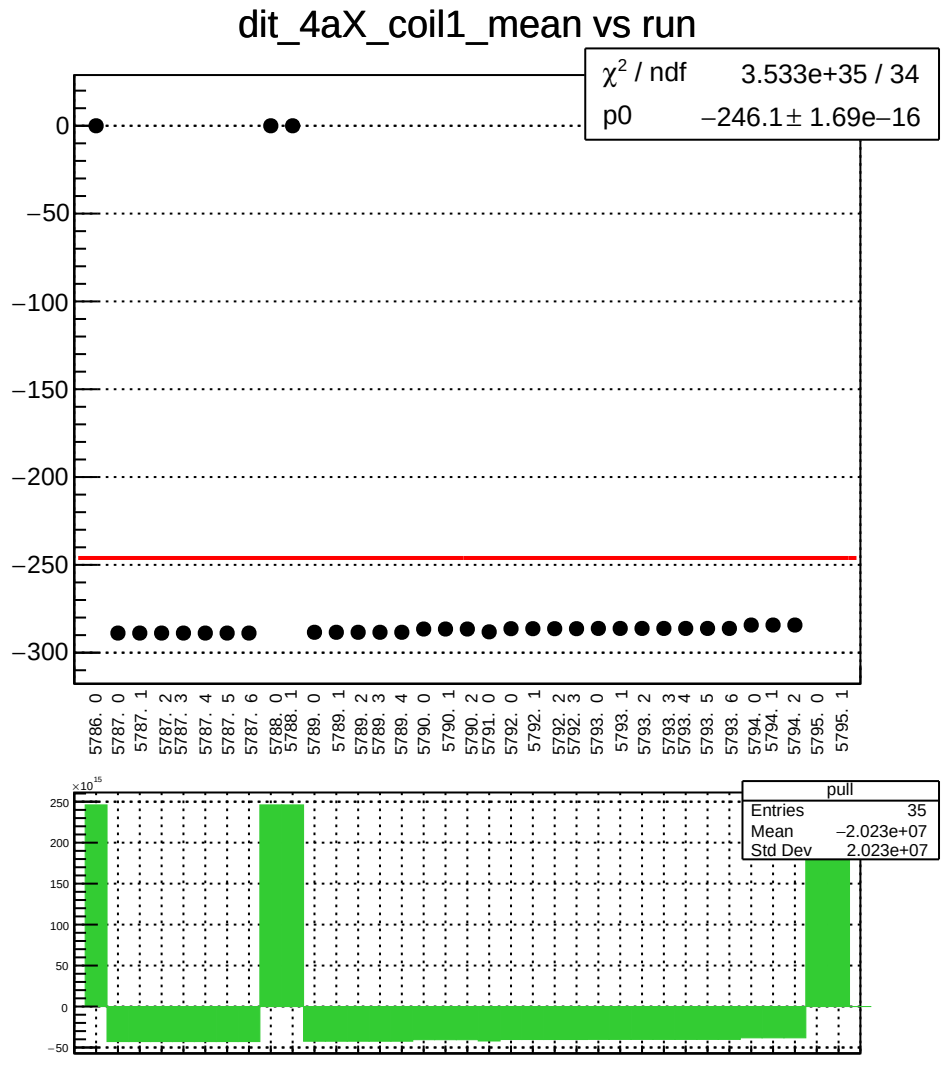

dit_sam8_11X12X_slope vs run
χ² / ndf 2.017e−29 / 34
p0 0.4114 ± 0.07416
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 35
Mean 17.5
Std Dev 10.1
pull1D
Entries 35
Mean 7.592e−16
Std Dev1.323e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

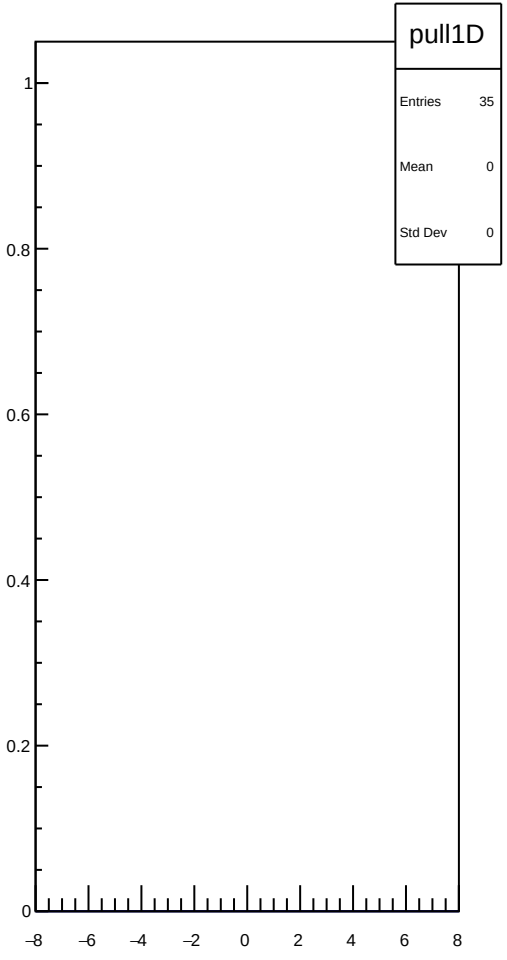

dit_sam8_4aY_slope vs run
χ² / ndf 5.491e−25 / 34
p0 −49.4 ± 0.04794
−49.1
−49.2
−49.3
−49.4
−49.5
−49.6
−49.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

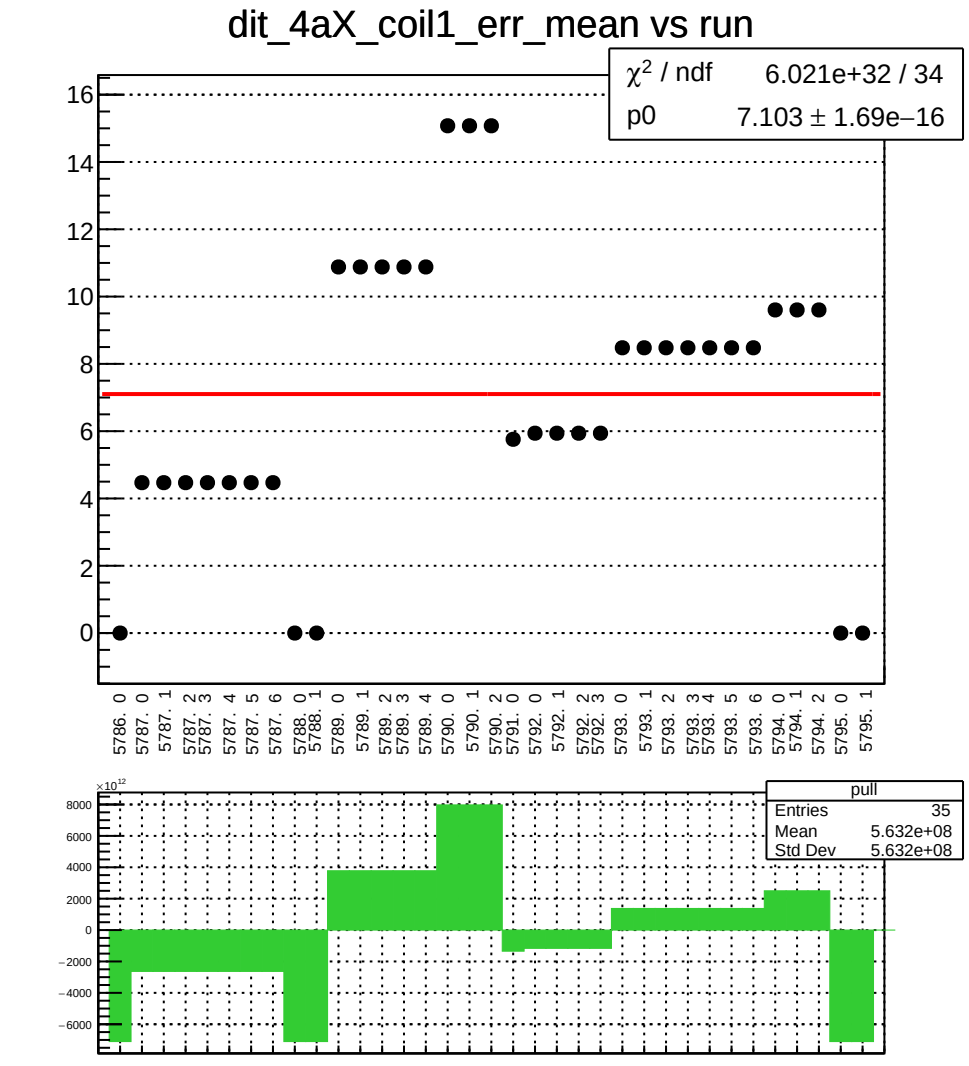

pull1D
Entries 35
Mean 1.253e−13
Std Dev3.788e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

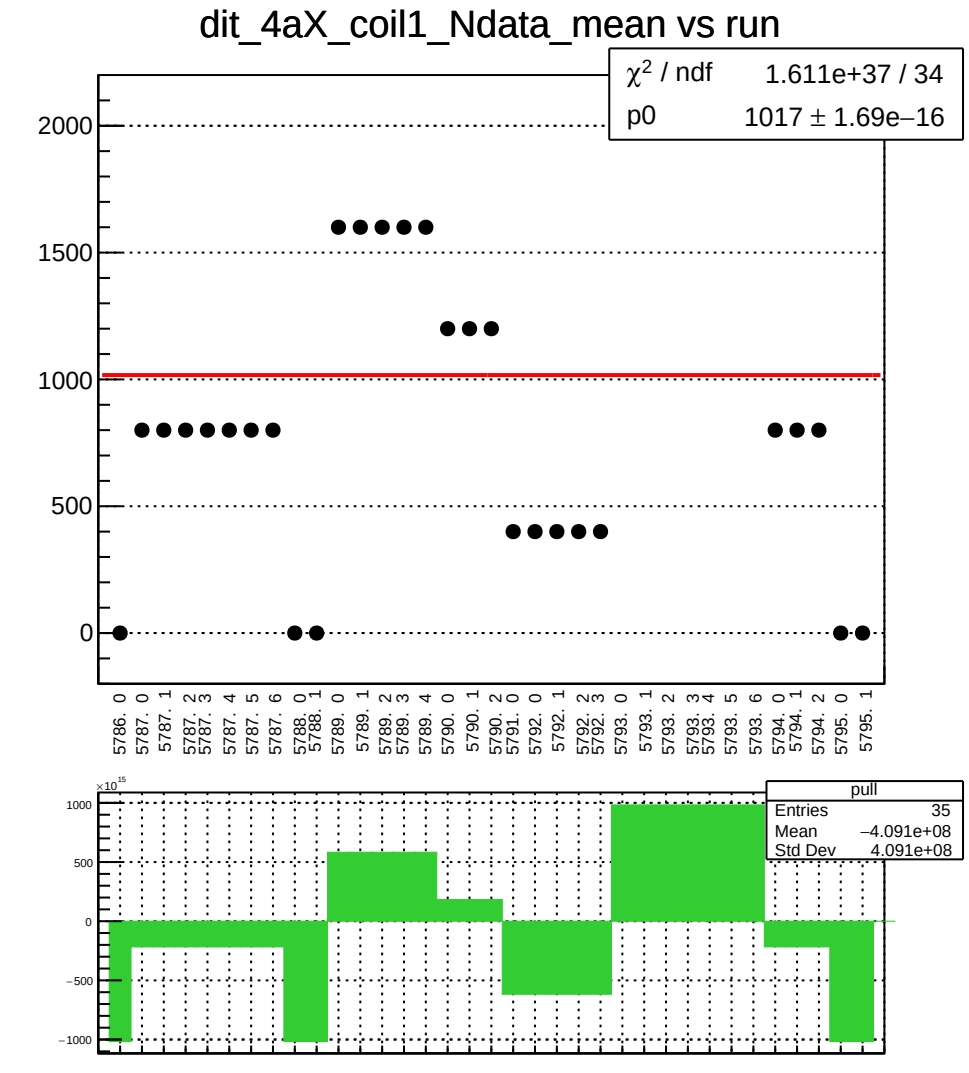

dit_sam8_4eY_slope vs run
χ² / ndf 2.23e−25 / 34
p0 48.17 ± 0.06018
48.5
48.4
48.3
48.2
48.1
48
47.9
47.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 35
Mean 17.5
Std Dev 10.1

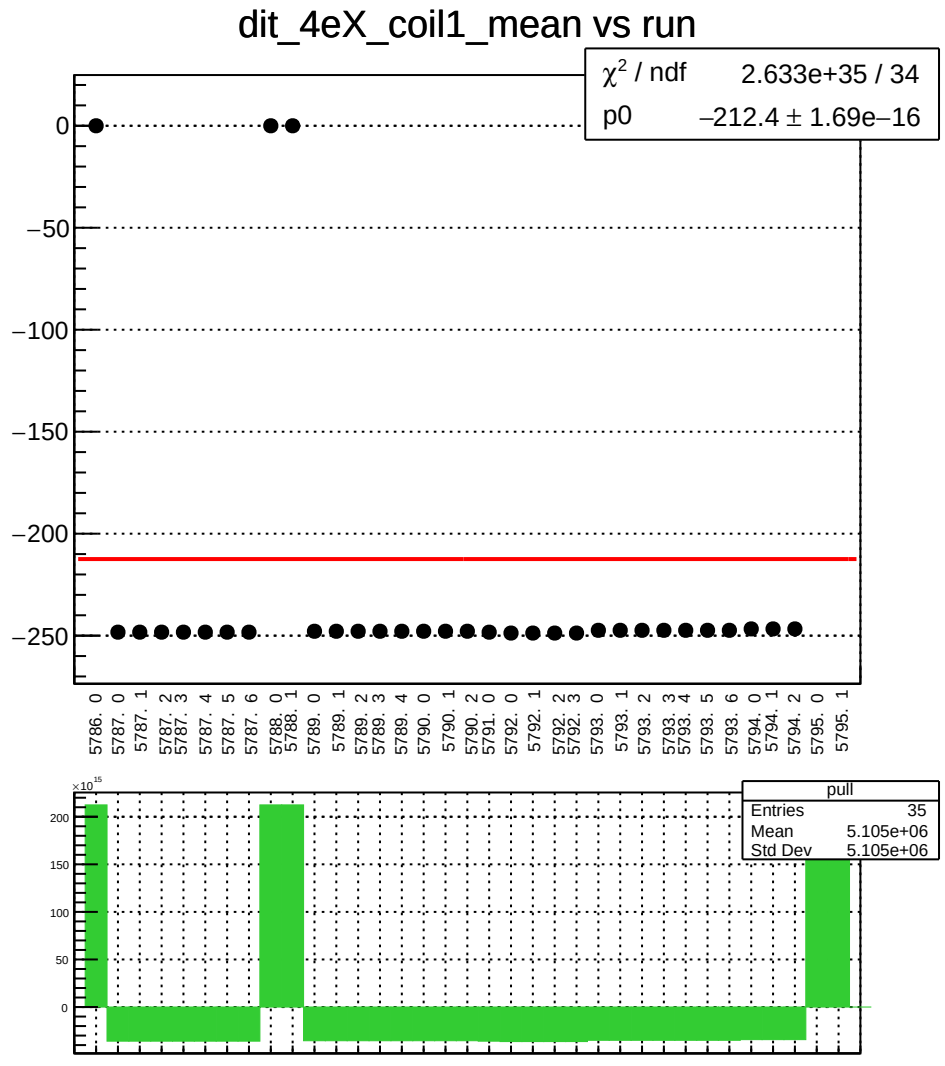

pull1D
Entries 35
Mean 7.983e−14
Std Dev2.809e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

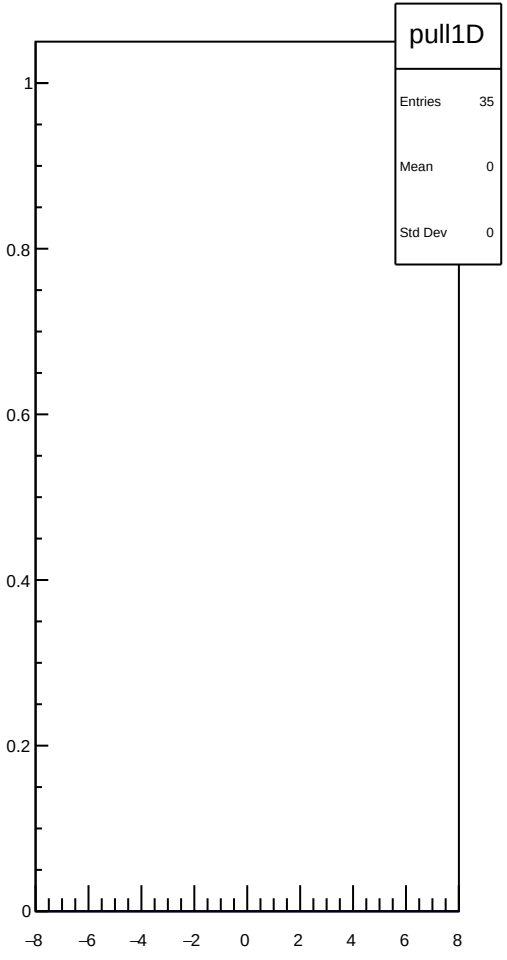

dit_4aX_coil1_mean vs run
χ² / ndf 3.533e+35 / 34
p0 −246.1 ± 1.69e−16
0
−50
−100
−150
−200
−250
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
250
200
150
100
50
0
−50
pull
Entries 35
Mean −2.023e+07
Std Dev 2.023e+07

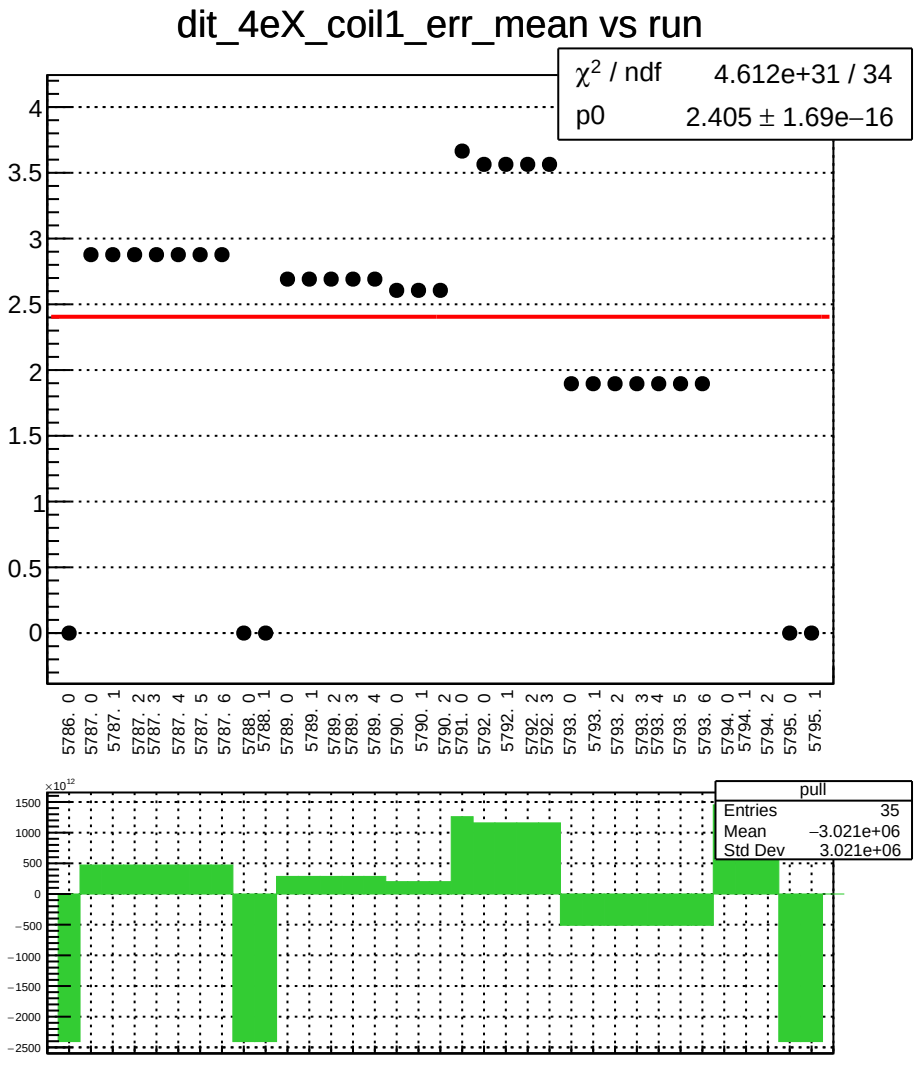

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

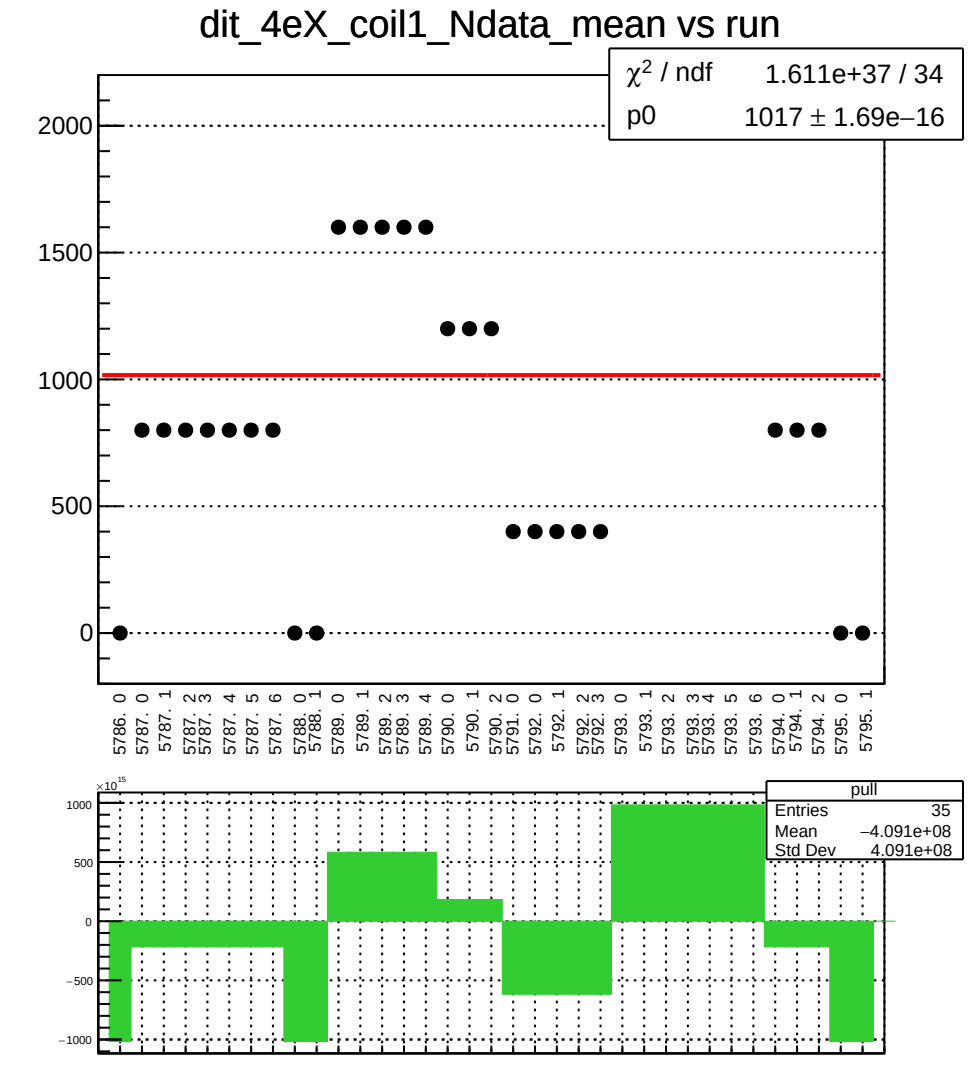

dit_4aX_coil1_err_mean vs run
χ² / ndf 6.021e+32 / 34
p0 7.103 ± 1.69e−16
pull
Entries 35
Mean 5.632e+08
Std Dev 5.632e+08
pull1D
Entries 35
Mean 0
Std Dev 0

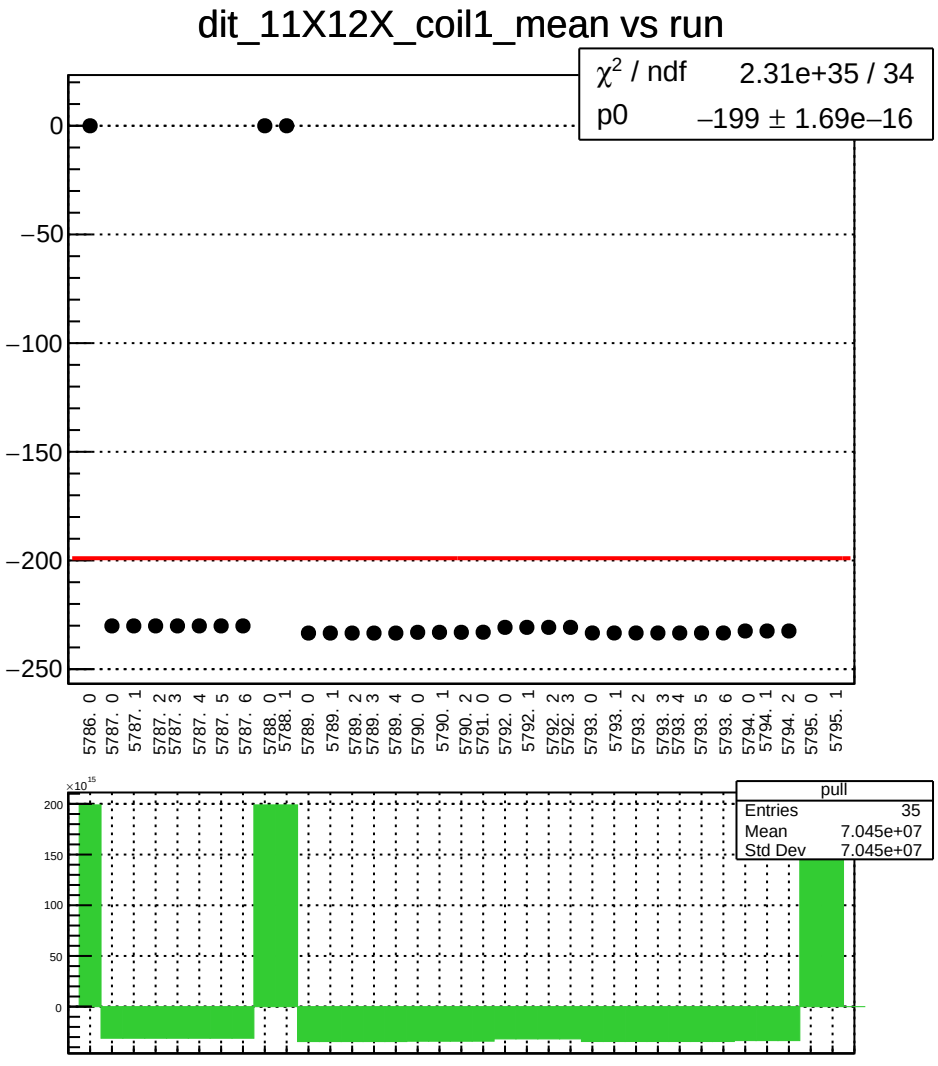

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

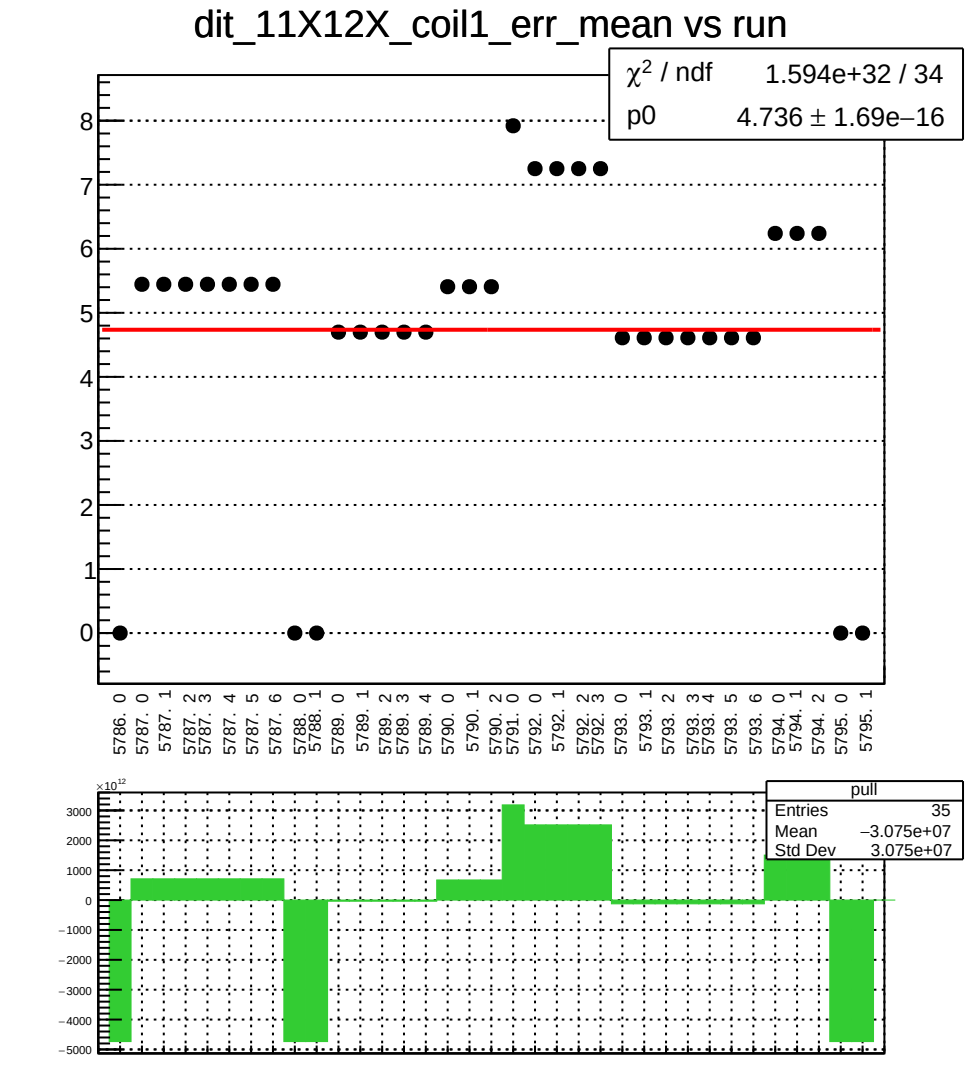

dit_4eX_coil1_mean vs run
χ² / ndf 2.633e+35 / 34
p0 –212.4 ± 1.69e–16
0
–50
–100
–150
–200
–250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
pull
Entries 35
Mean 5.105e+06
Std Dev 5.105e+06

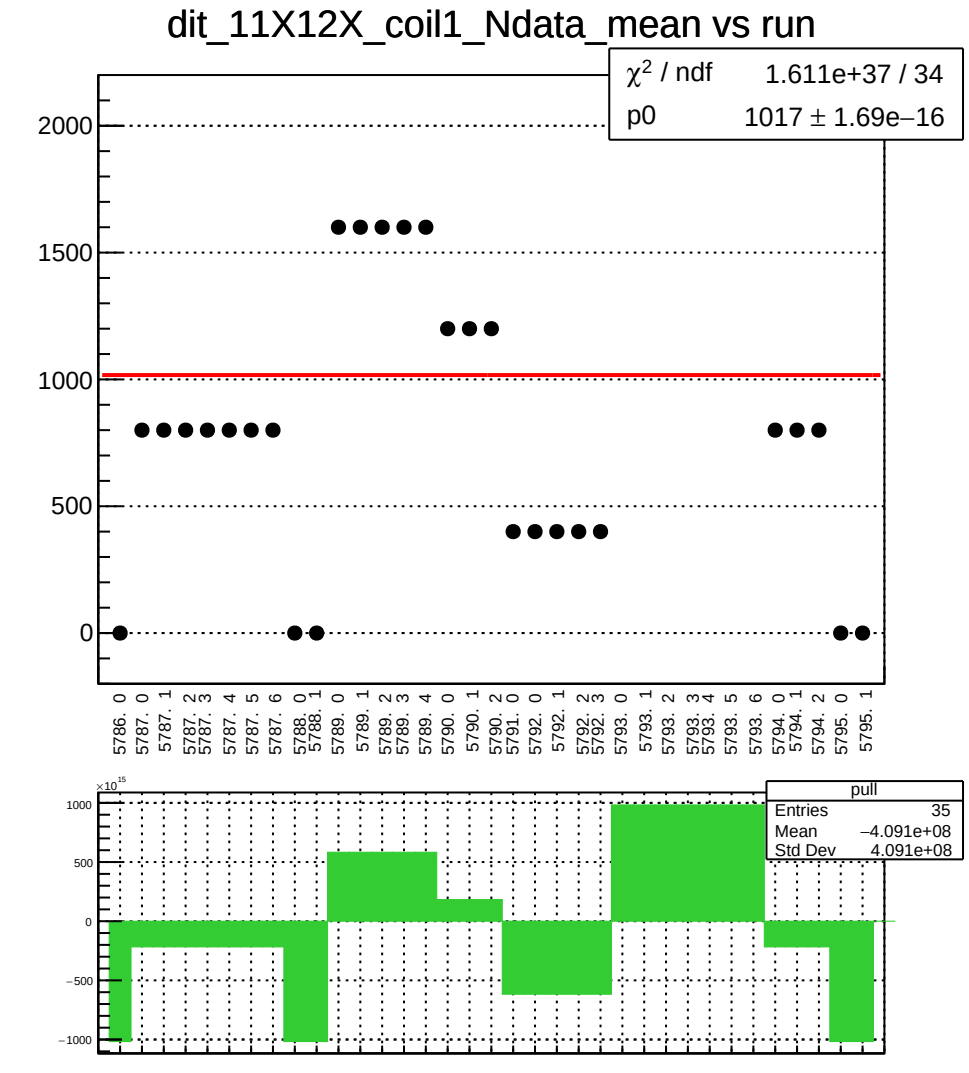

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

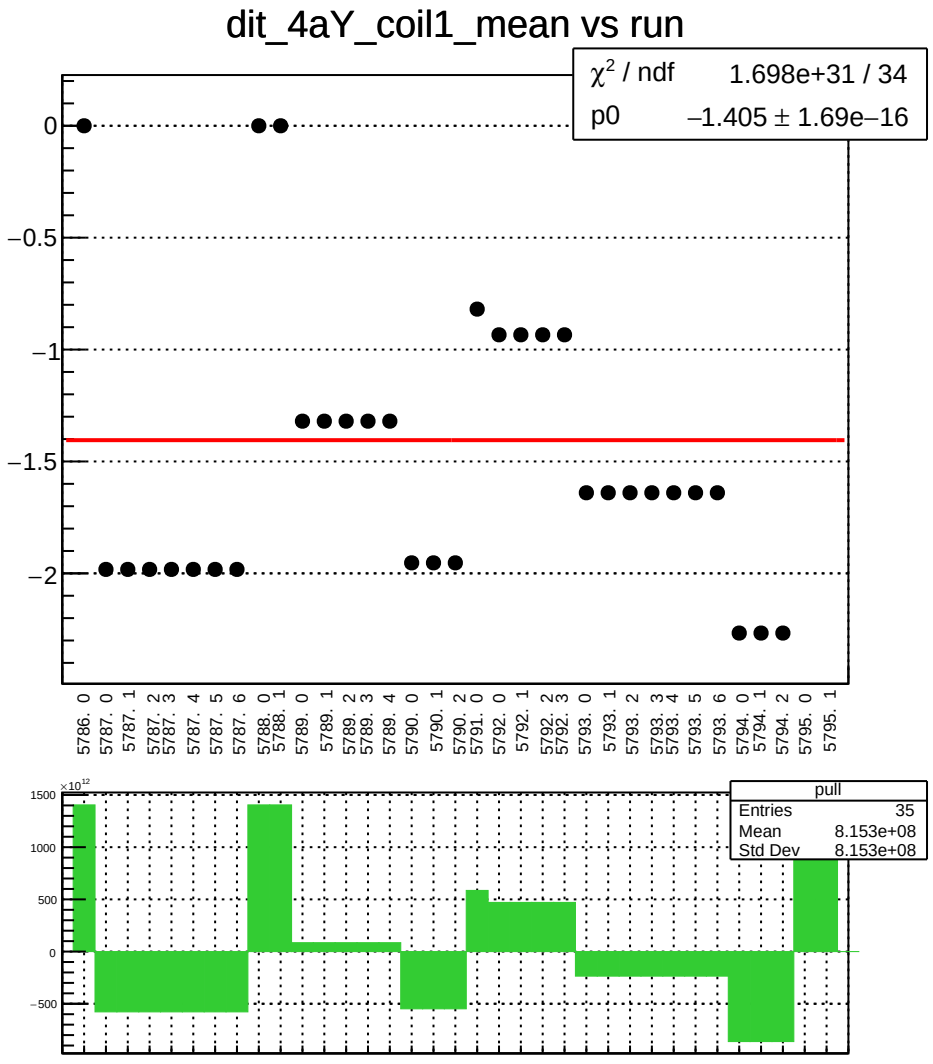

dit_4eX_coil1_err_mean vs run
χ² / ndf 4.612e+31 / 34
p0 2.405 ± 1.69e−16
4
3.5
3
2.5
2
1.5
1
0.5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 35
Mean −3.021e+06
Std Dev 3.021e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

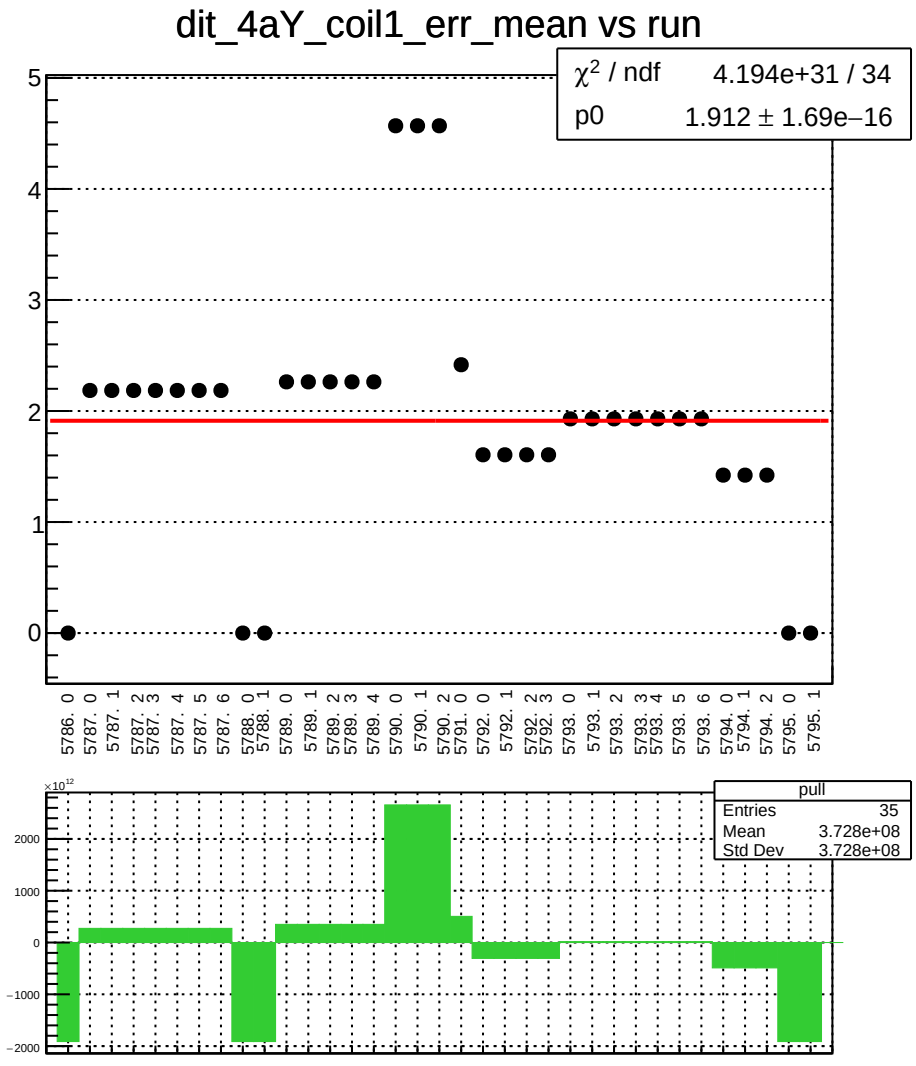

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

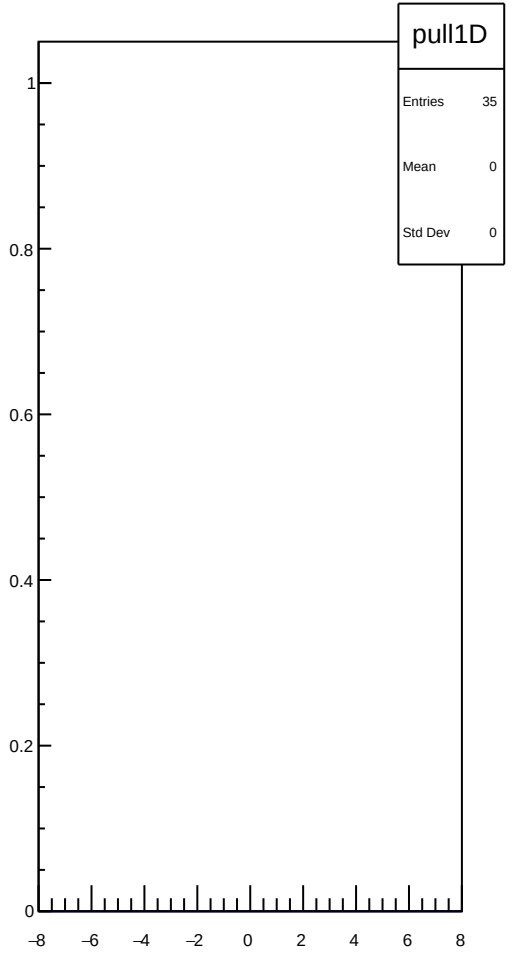

dit_11X12X_coil1_mean vs run
χ² / ndf 2.31e+35 / 34
p0 −199 ± 1.69e−16
0
−50
−100
−150
−200
−250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
pull
Entries 35
Mean 7.045e+07
Std Dev 7.045e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

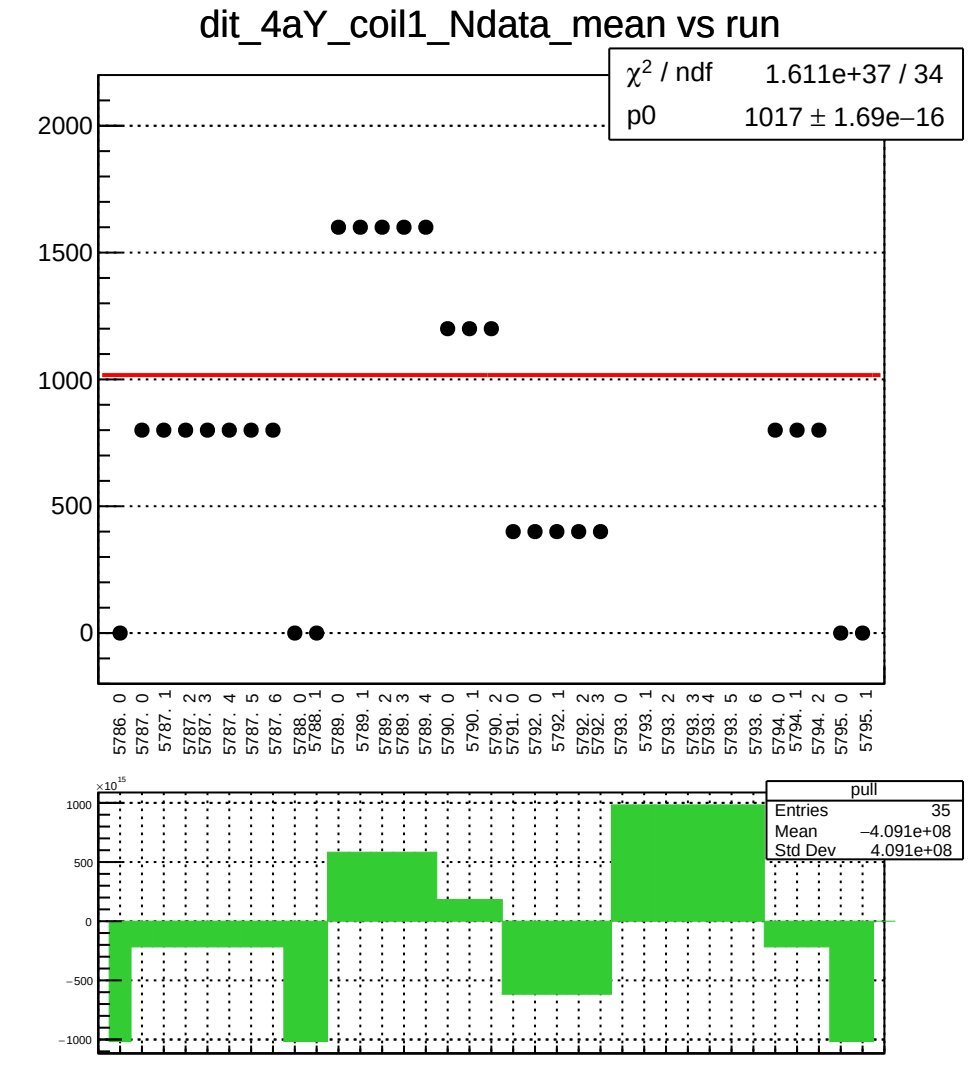

dit_11X12X_coil1_err_mean vs run
χ² / ndf 1.594e+32 / 34
p0 4.736 ± 1.69e−16
pull
Entries 35
Mean −3.075e+07
Std Dev 3.075e+07
pull1D
Entries 35
Mean 0
Std Dev 0

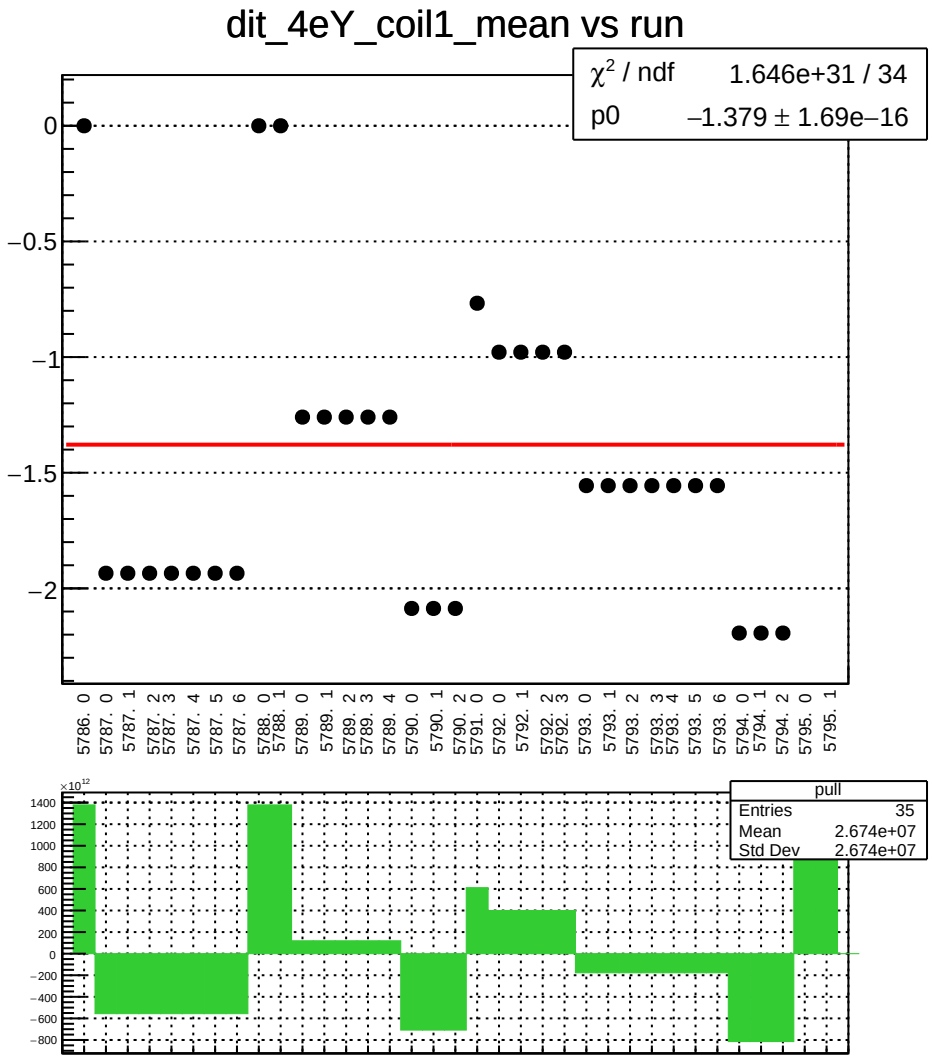

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

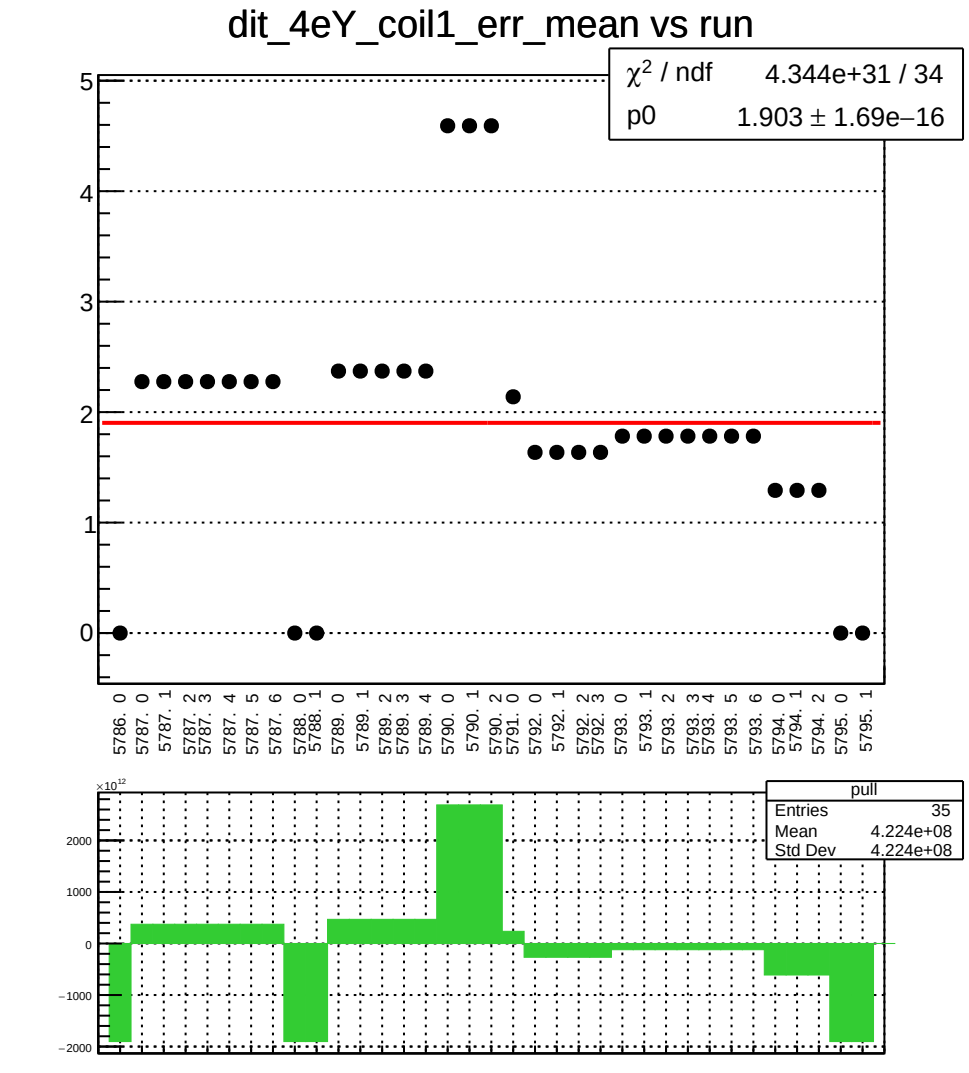

dit_4aY_coil1_mean vs run
χ² / ndf 1.698e+31 / 34
p0 −1.405 ± 1.69e−16
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1500
1000
500
0
−500
pull
Entries 35
Mean 8.153e+08
Std Dev 8.153e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

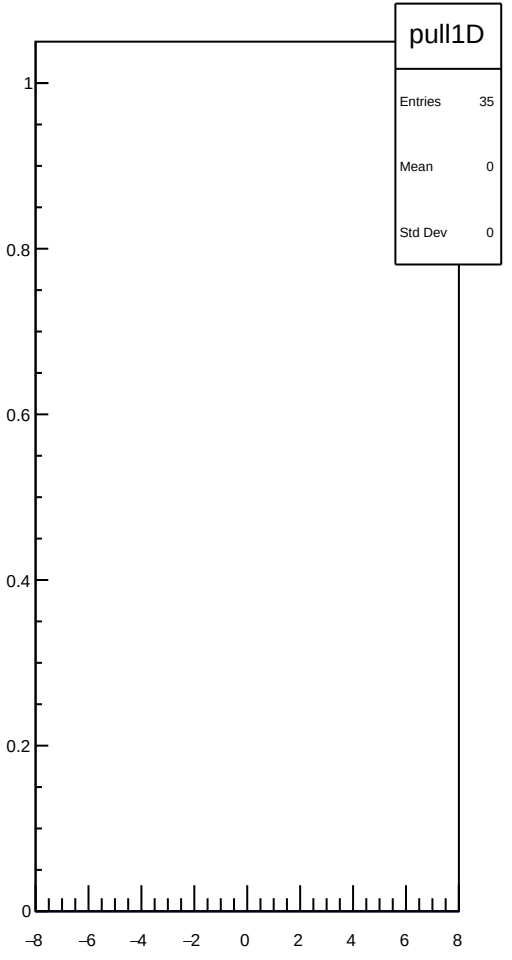

dit_4aY_coil1_err_mean vs run
χ² / ndf 4.194e+31 / 34
p0 1.912 ± 1.69e−16
pull
Entries 35
Mean 3.728e+08
Std Dev 3.728e+08
×10¹²

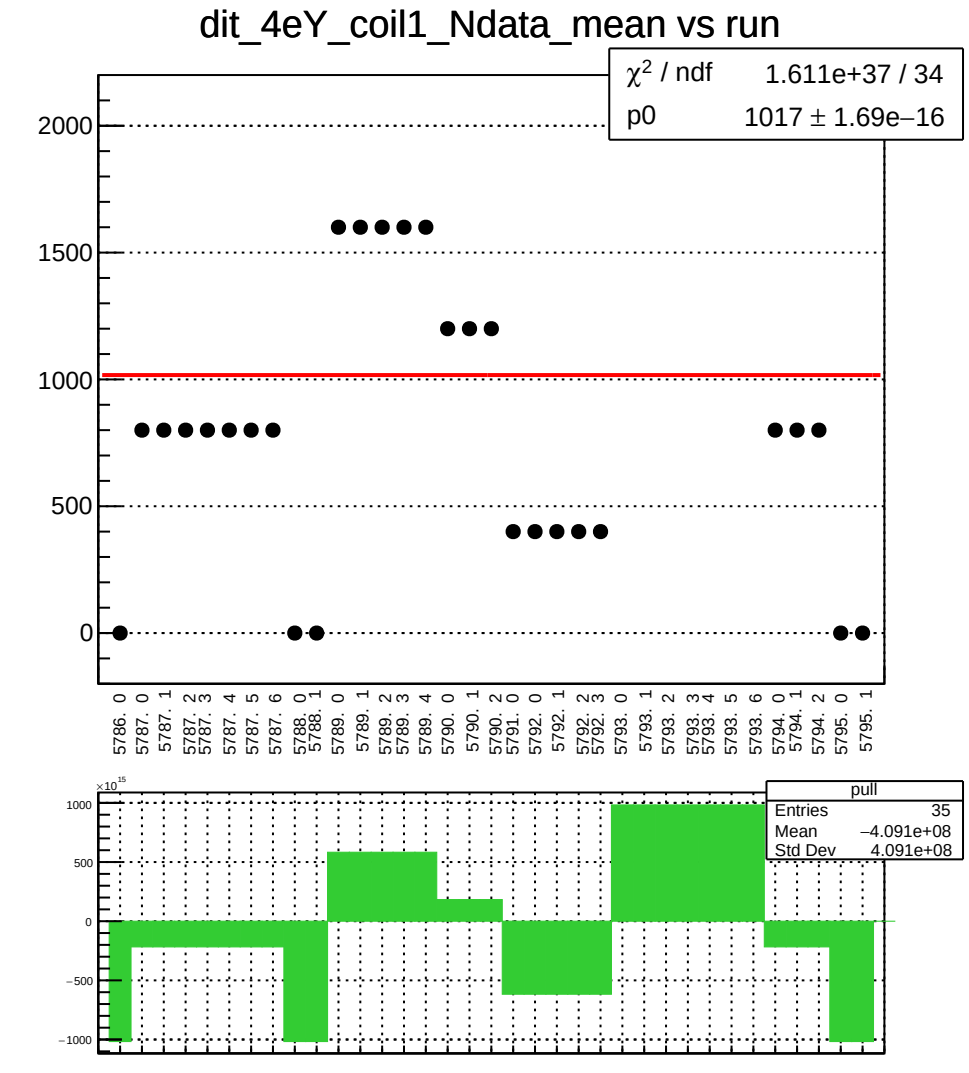

pull1D
Entries 35
Mean 0
Std Dev 0

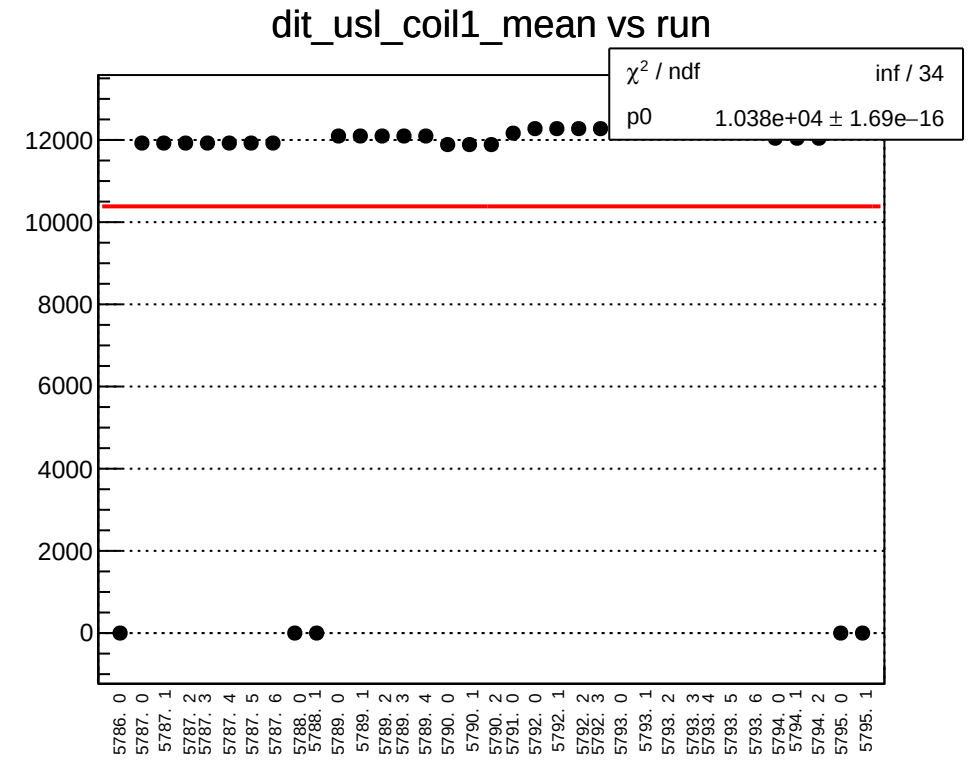

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

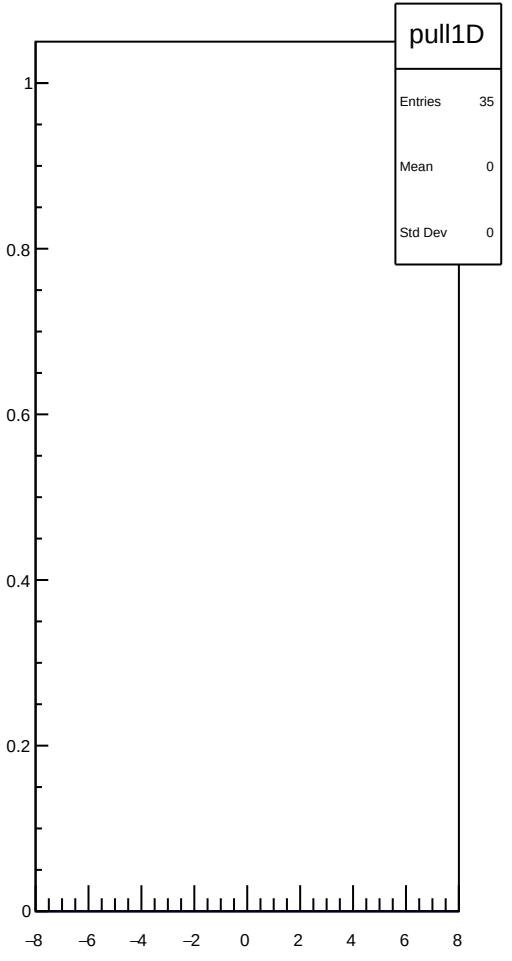

dit_4eY_coil1_mean vs run
χ² / ndf 1.646e+31 / 34
p0 −1.379 ± 1.69e−16
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1400
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 2.674e+07
Std Dev 2.674e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

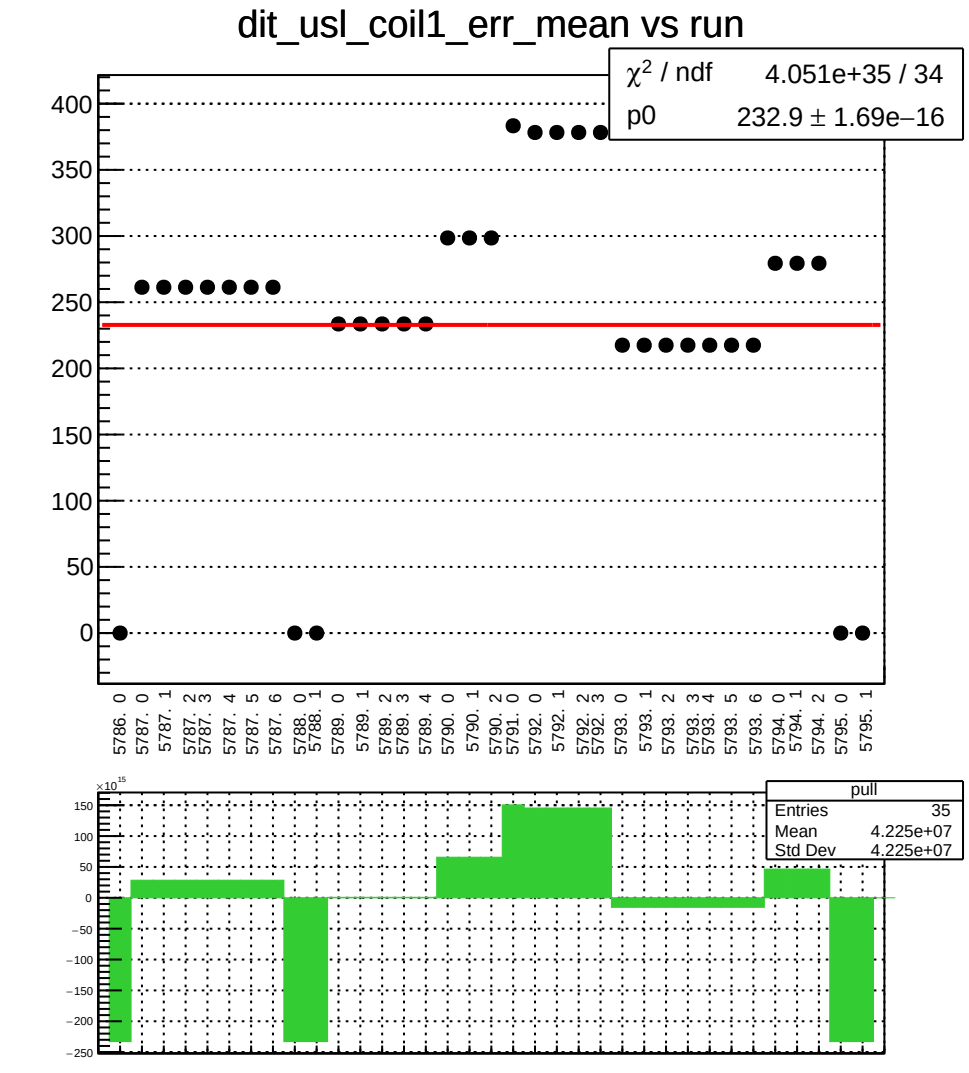

dit_4eY_coil1_err_mean vs run
χ² / ndf 4.344e+31 / 34
p0 1.903 ± 1.69e−16
5
4
3
2
1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
2000
1000
0
−1000
−2000
pull
Entries 35
Mean 4.224e+08
Std Dev 4.224e+08

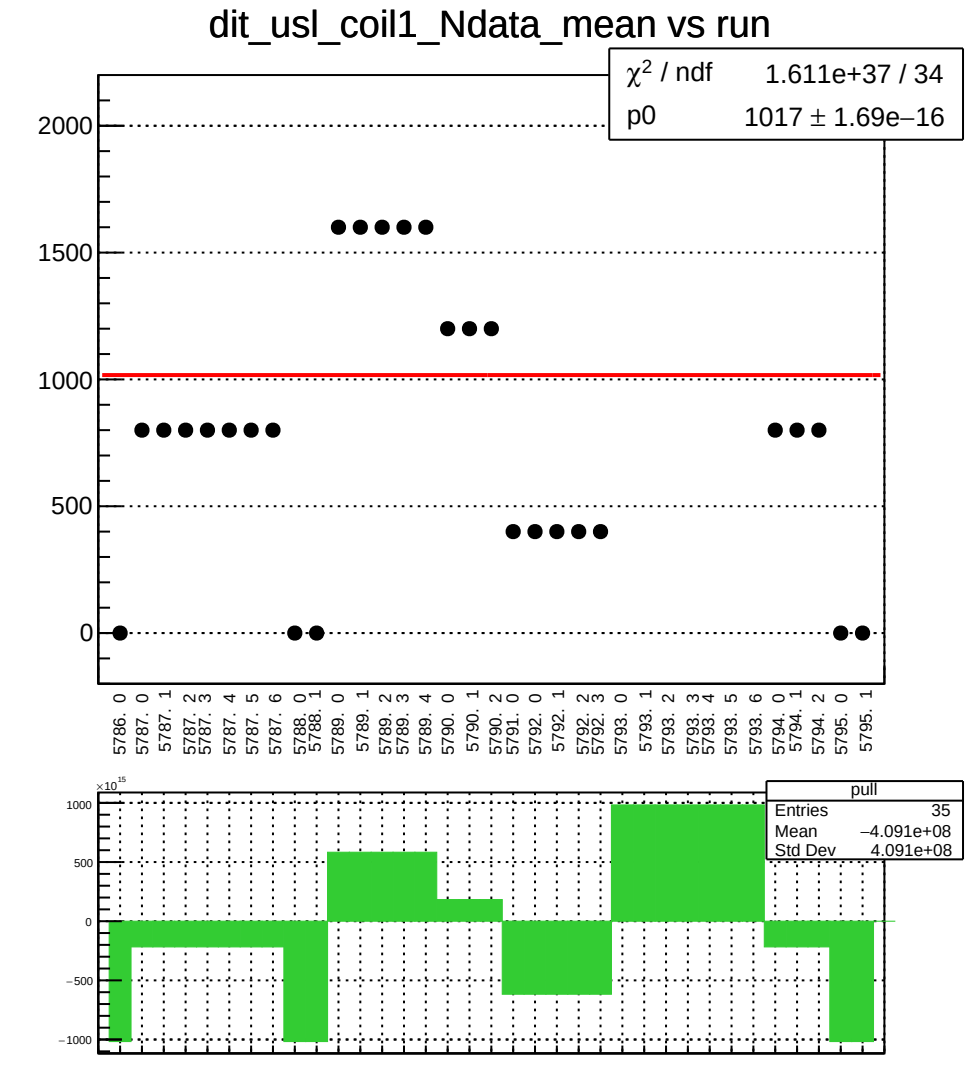

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

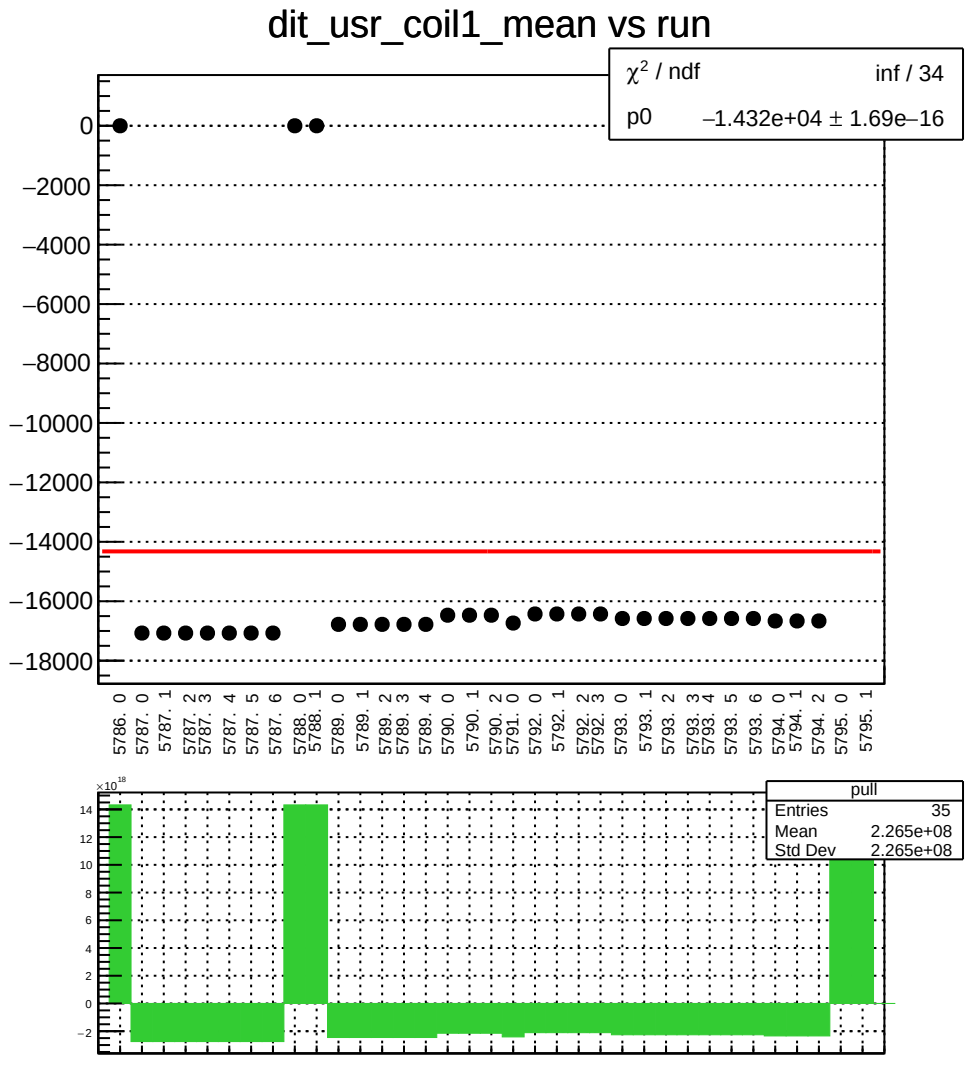

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

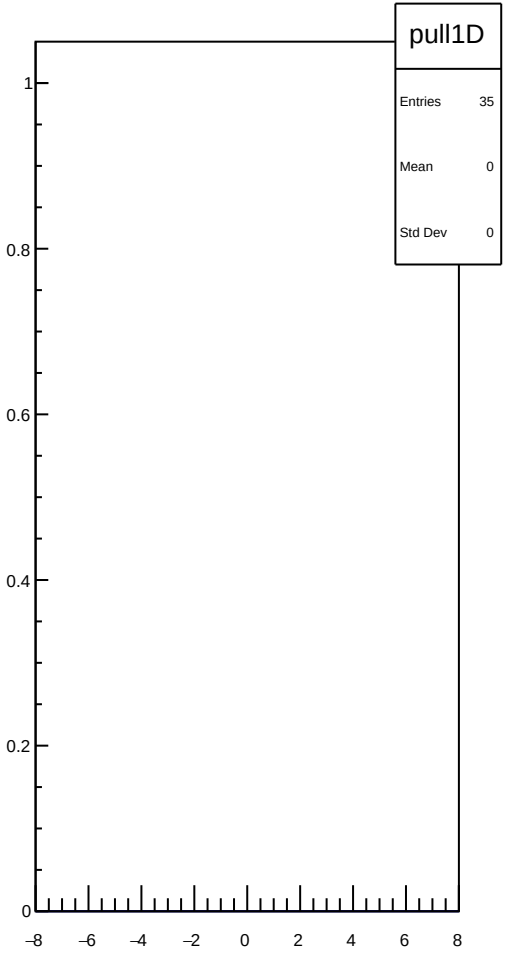

dit_usl_coil1_mean vs run
χ² / ndf inf / 34
p0 1.038e+04 ± 1.69e−16
12000
10000
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 35
Mean 3.225e+07
Std Dev 3.225e+07

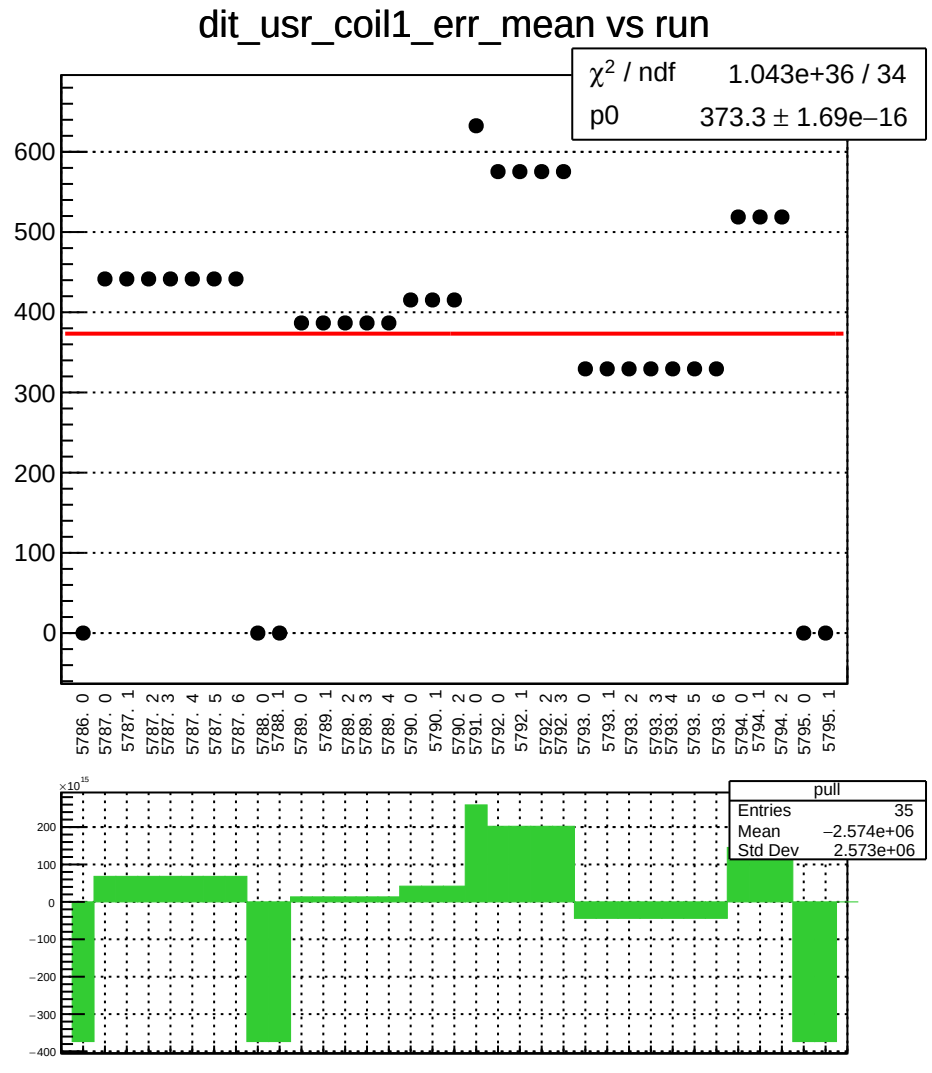

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

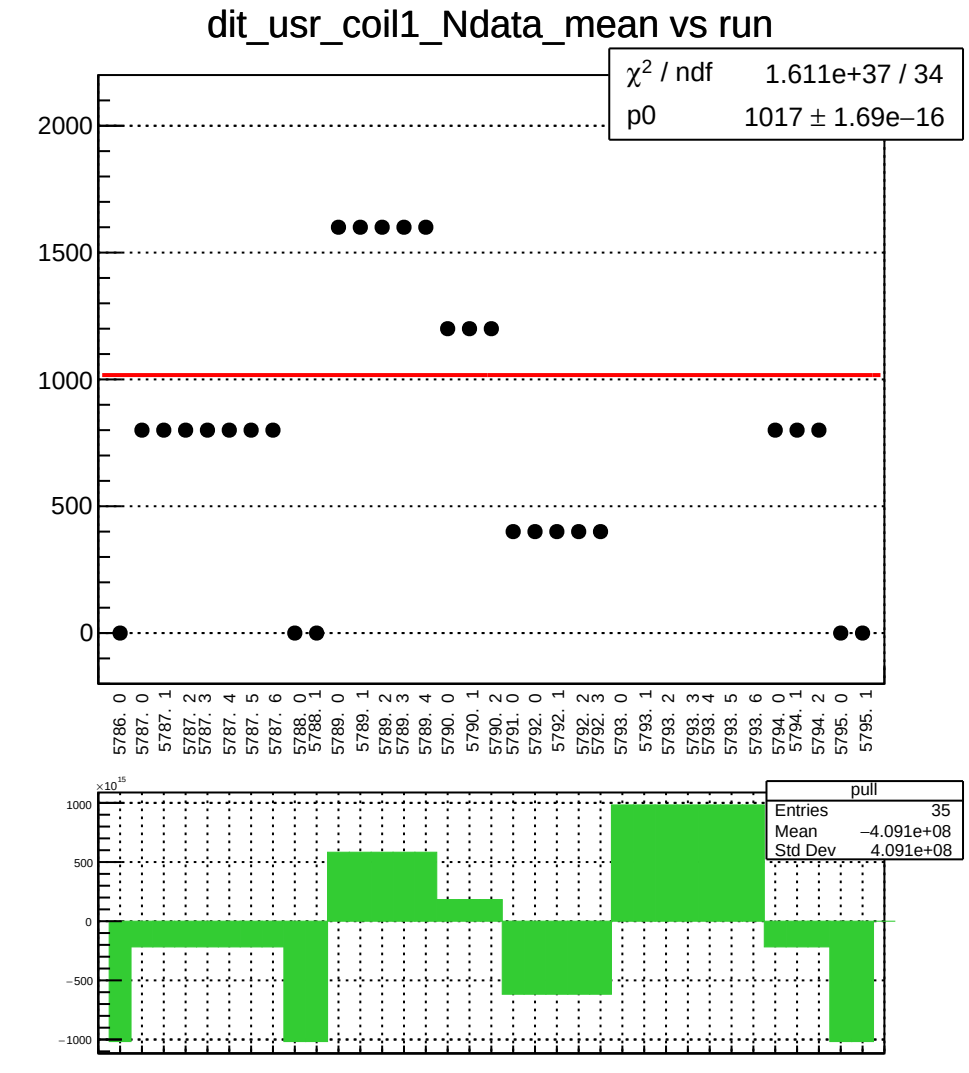

dit_usl_coil1_err_mean vs run
χ² / ndf 4.051e+35 / 34
p0 232.9 ± 1.69e−16
400
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 35
Mean 4.225e+07
Std Dev 4.225e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

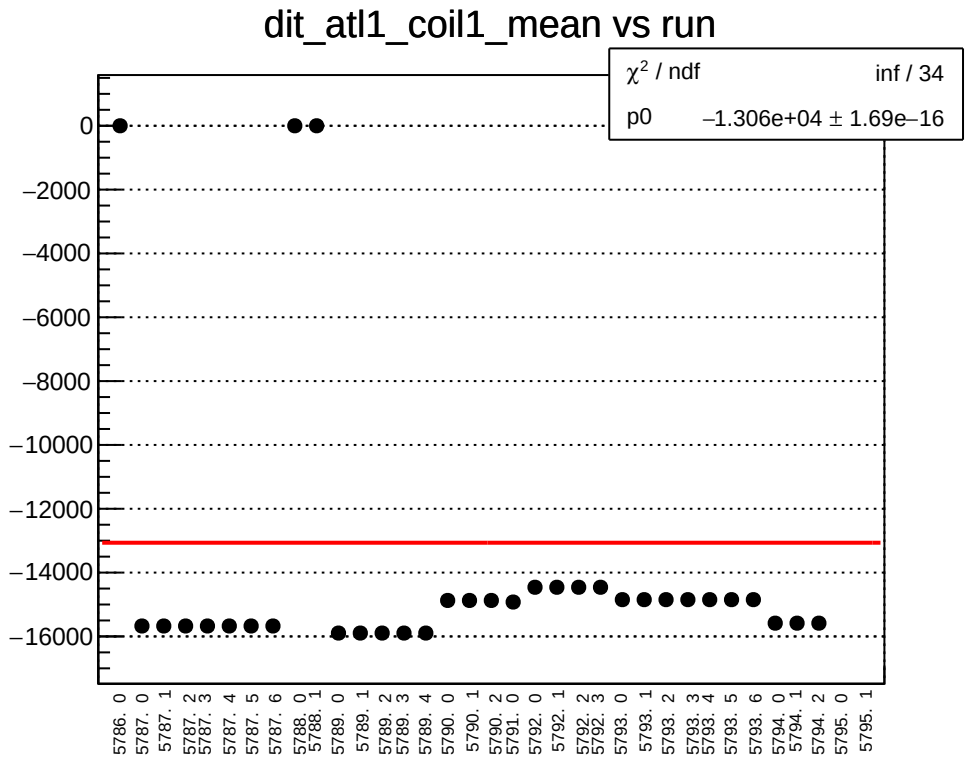

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

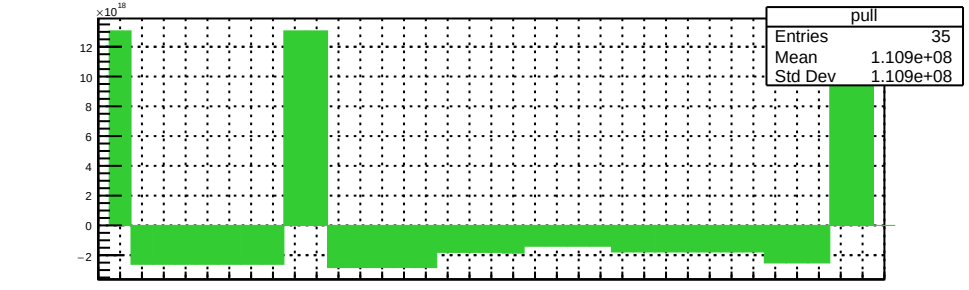

dit_usr_coil1_mean vs run
χ² / ndf inf / 34
p0 −1.432e+04 ± 1.69e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
14
12
10
8
6
4
2
0
−2
pull
Entries 35
Mean 2.265e+08
Std Dev 2.265e+08

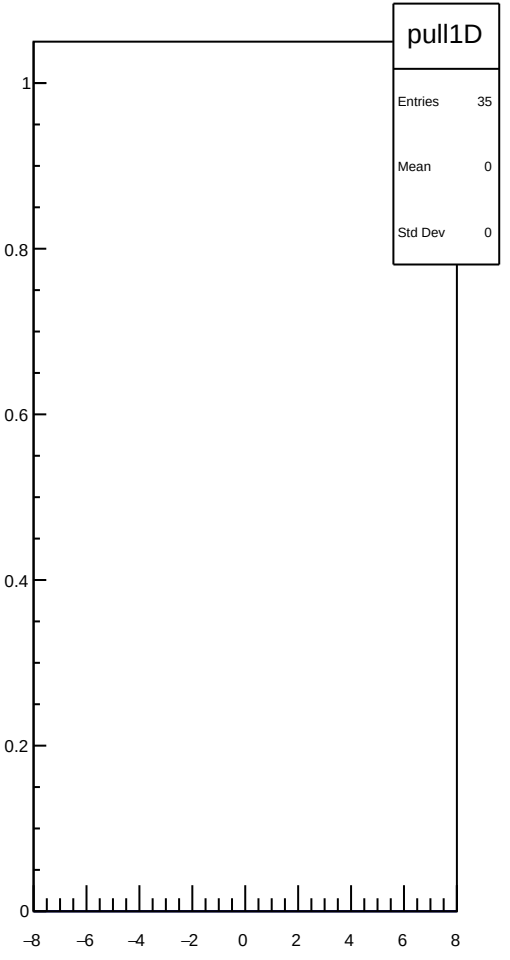

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

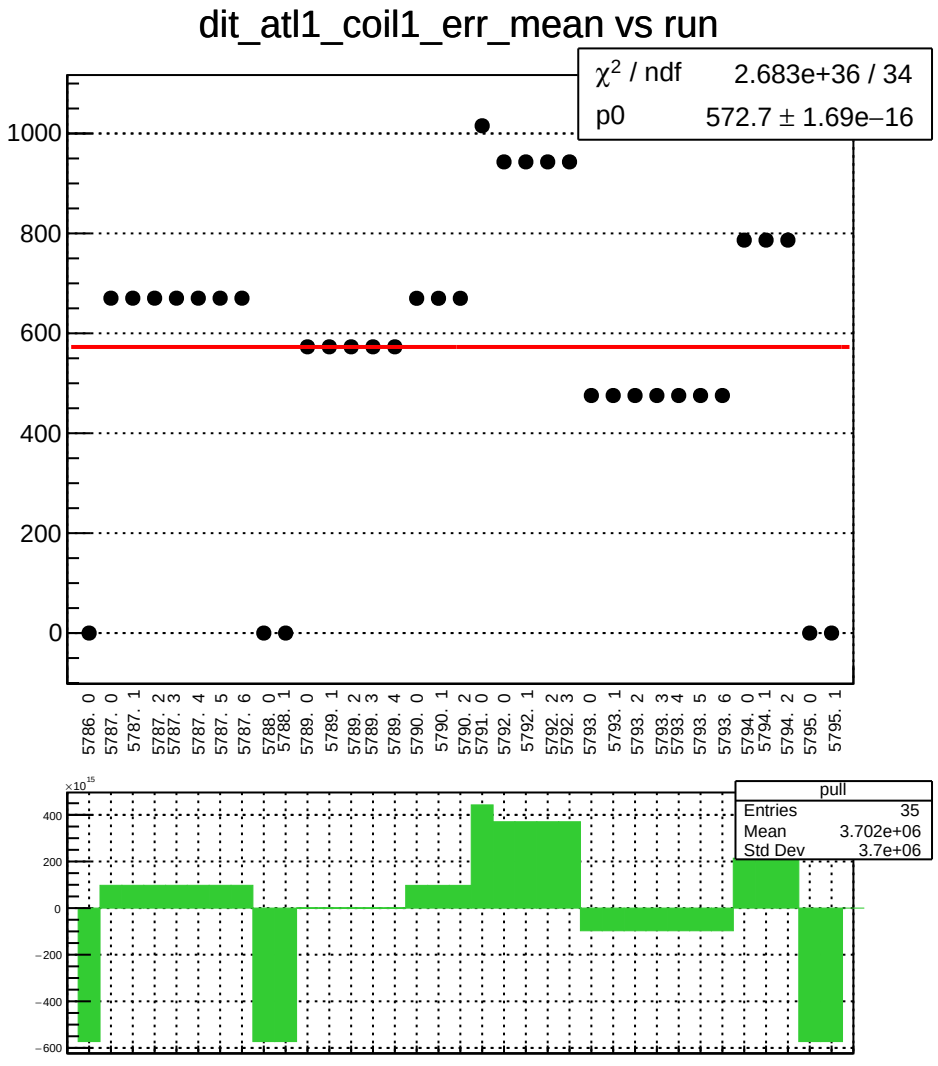

dit_usr_coil1_err_mean vs run
χ² / ndf 1.043e+36 / 34
p0 373.3 ± 1.69e−16
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
−400
pull
Entries 35
Mean −2.574e+06
Std Dev 2.573e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

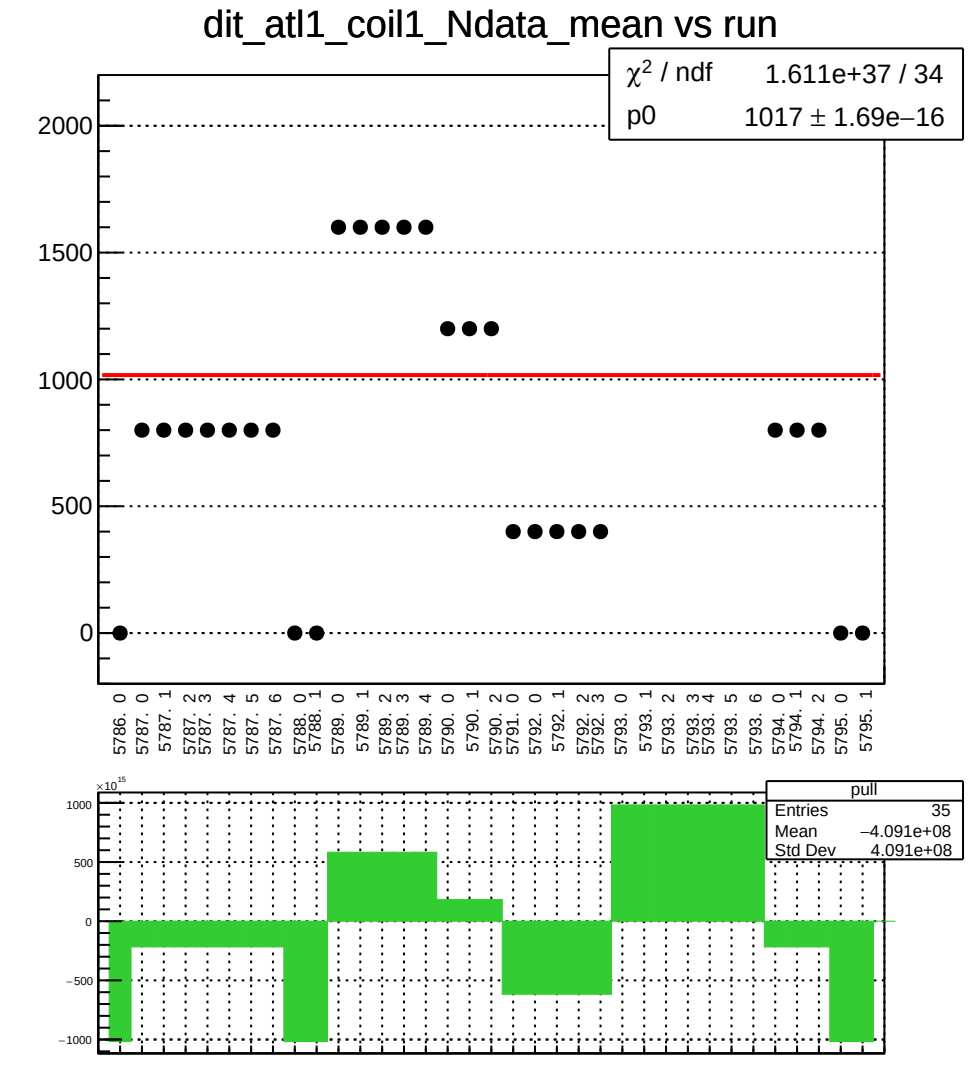

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

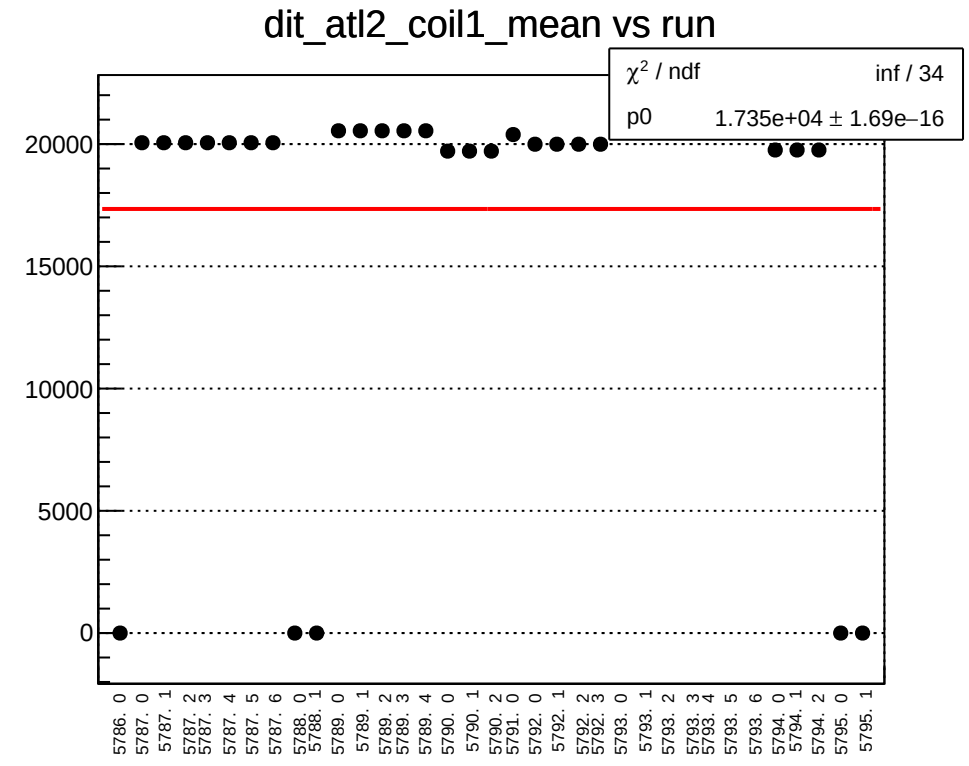

dit_atl1_coil1_mean vs run
χ² / ndf inf / 34
p0 −1.306e+04 ± 1.69e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

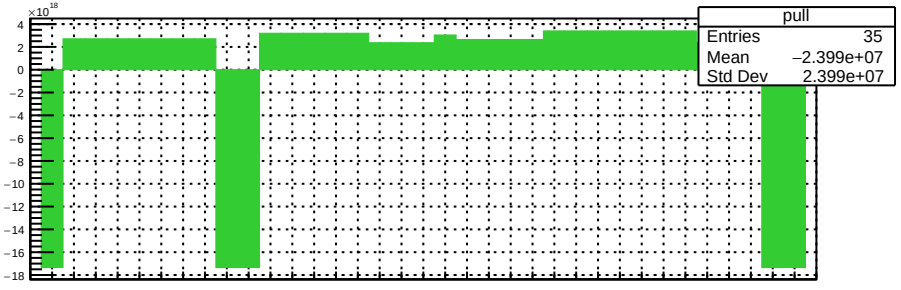

×10¹⁸
12
10
8
6
4
2
0
−2
pull
Entries 35
Mean 1.109e+08
Std Dev 1.109e+08

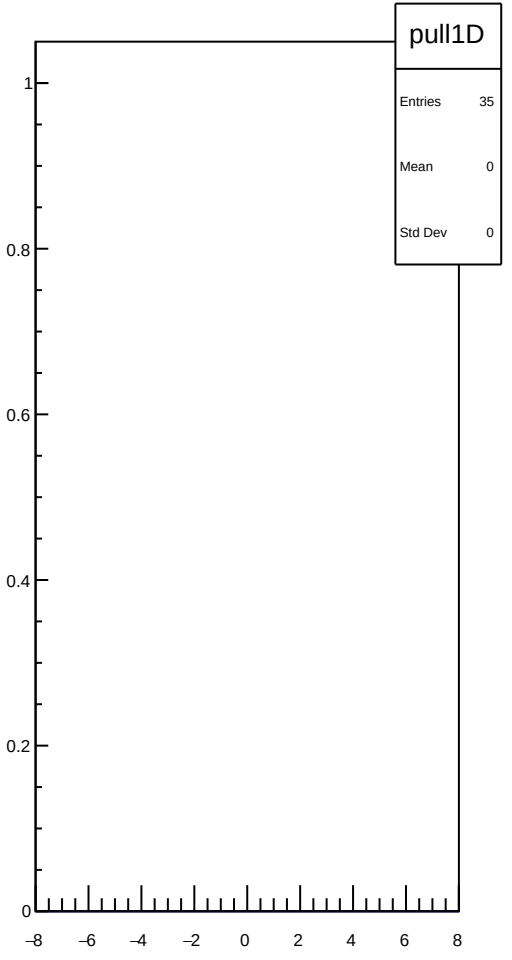

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

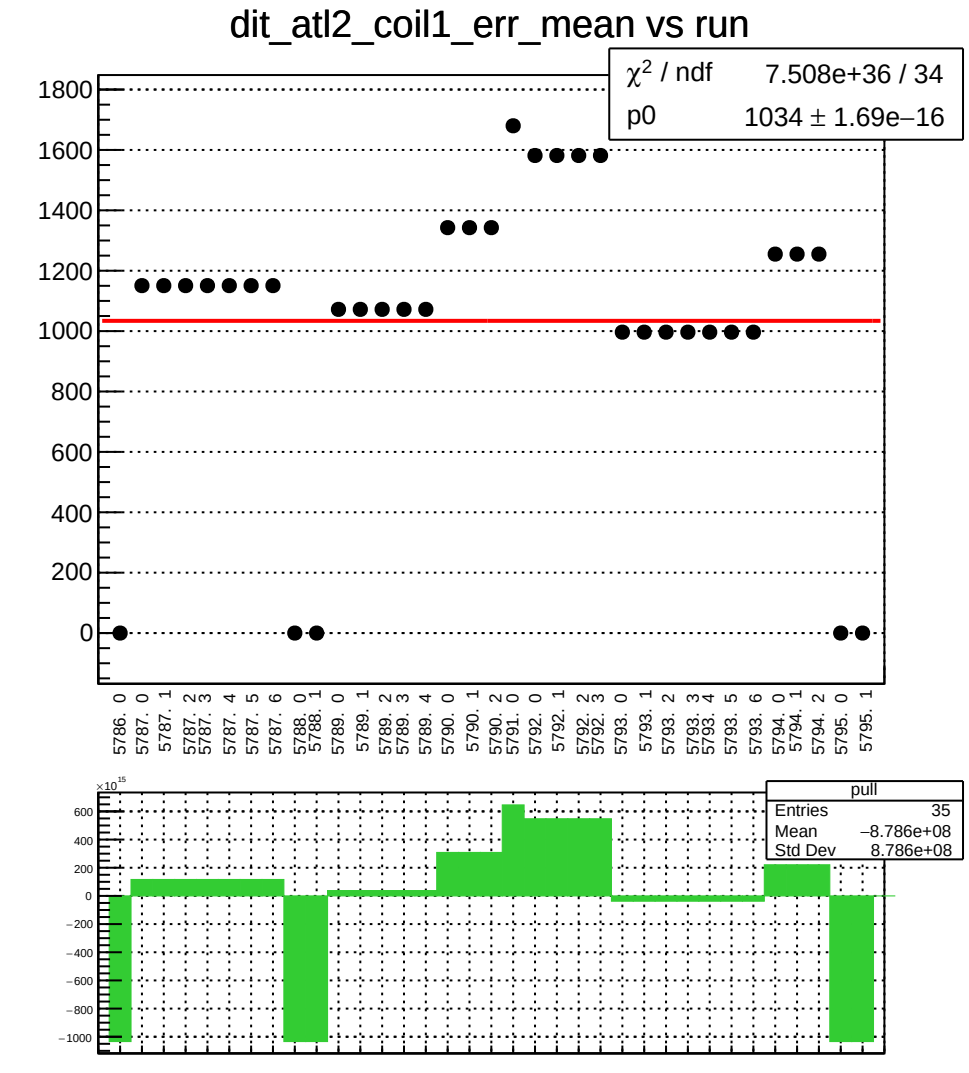

dit_atl1_coil1_err_mean vs run
χ² / ndf 2.683e+36 / 34
p0 572.7 ± 1.69e−16
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 35
Mean 3.702e+06
Std Dev 3.7e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

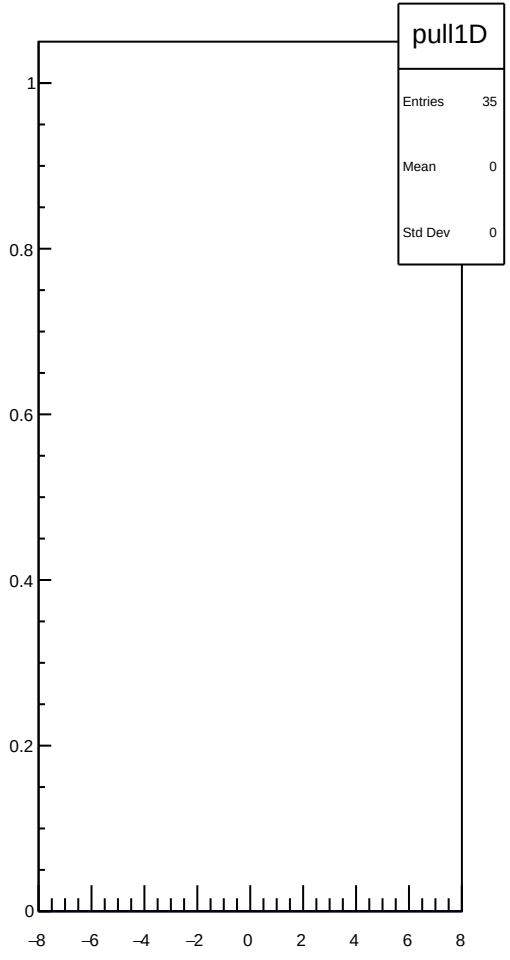

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

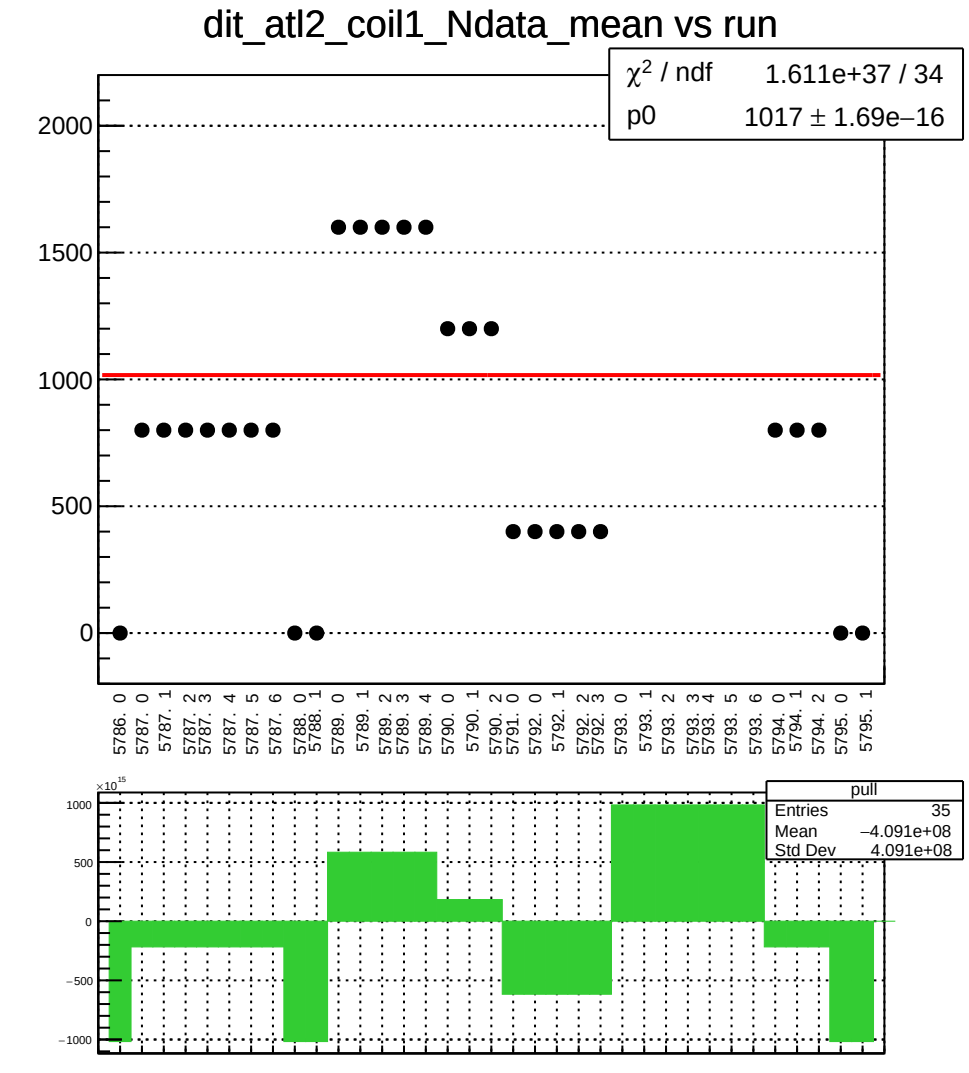

dit_atl2_coil1_mean vs run
χ² / ndf inf / 34
p0 1.735e+04 ± 1.69e−16
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

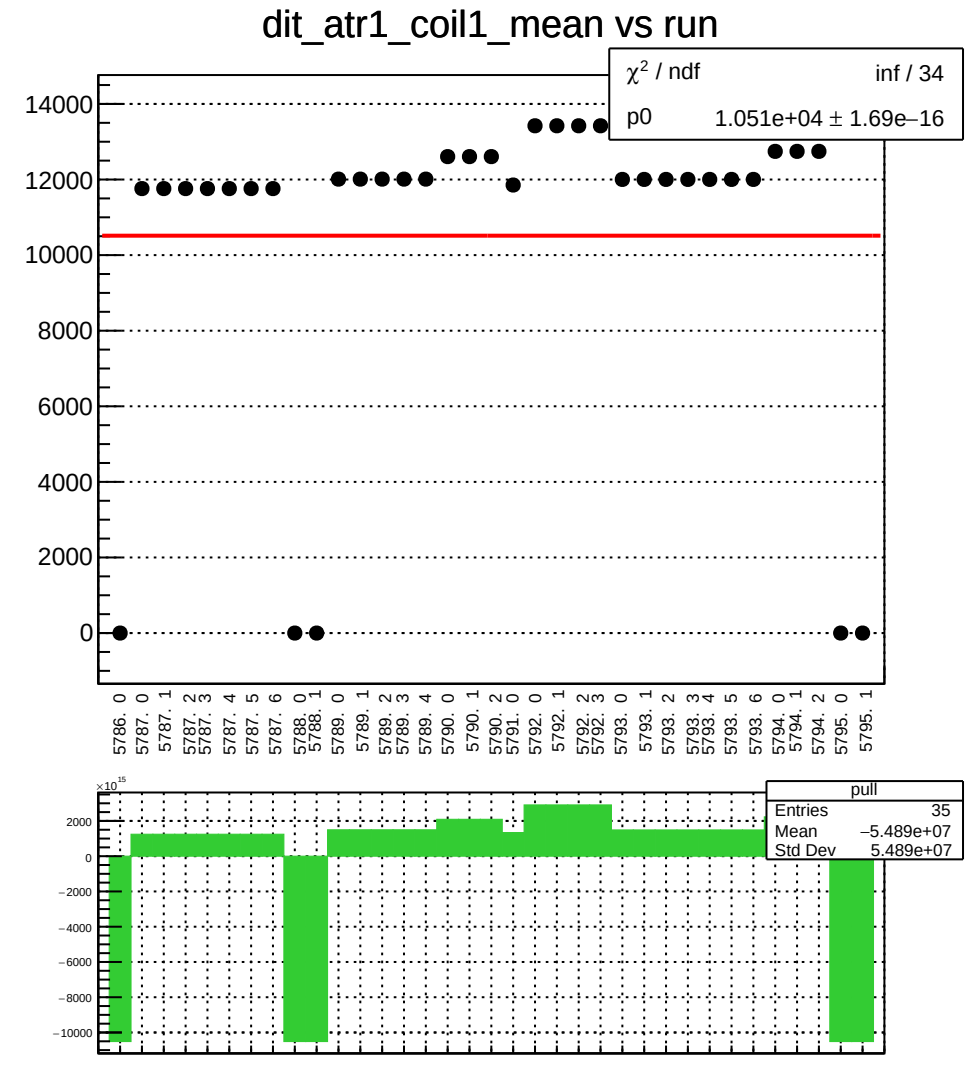

×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 35
Mean −2.399e+07
Std Dev 2.399e+07

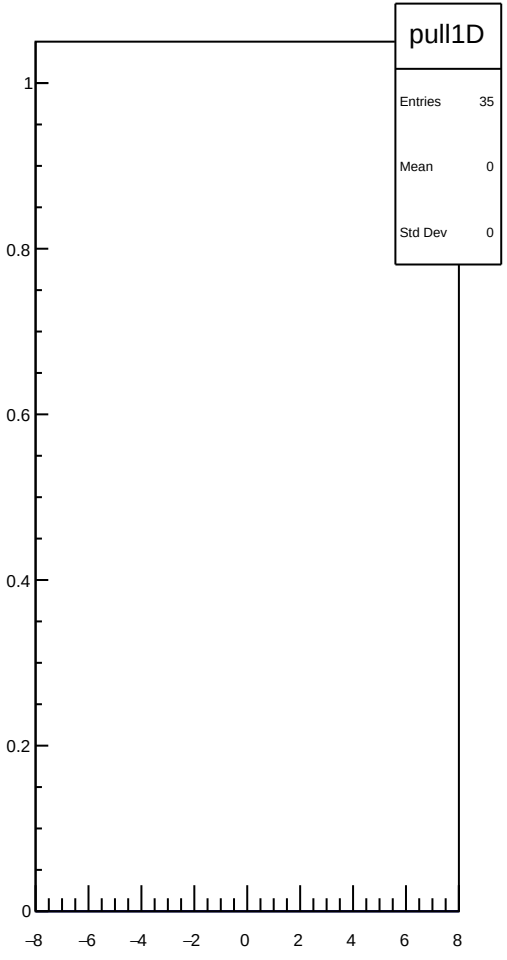

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

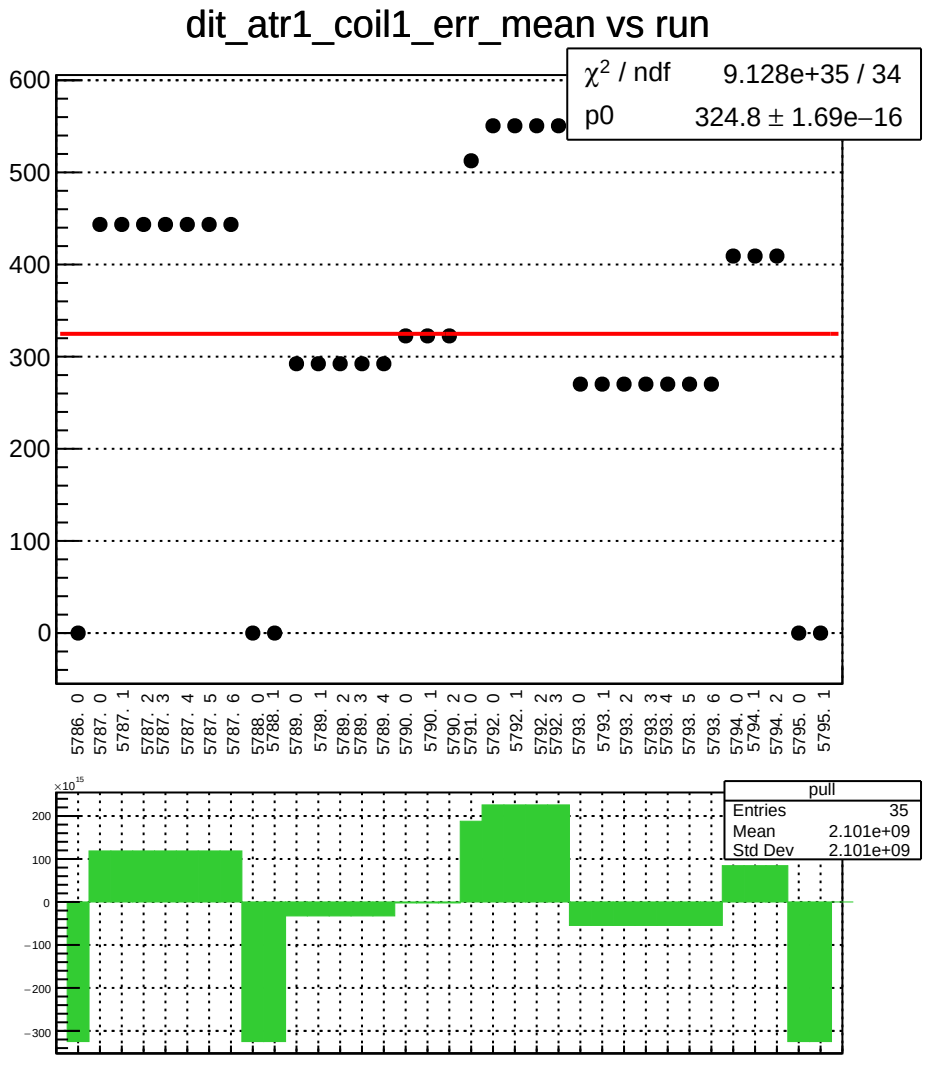

dit_atl2_coil1_err_mean vs run
χ² / ndf 7.508e+36 / 34
p0 1034 ± 1.69e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −8.786e+08
Std Dev 8.786e+08

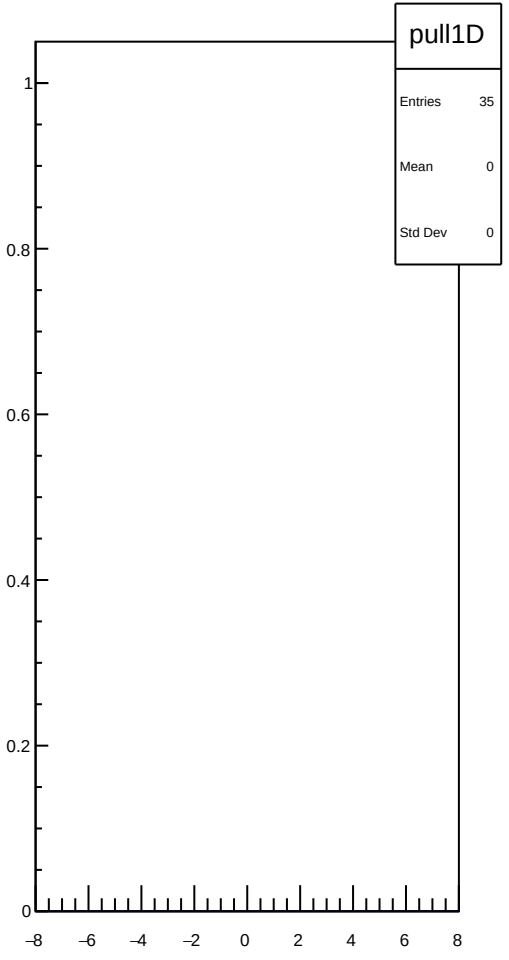

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

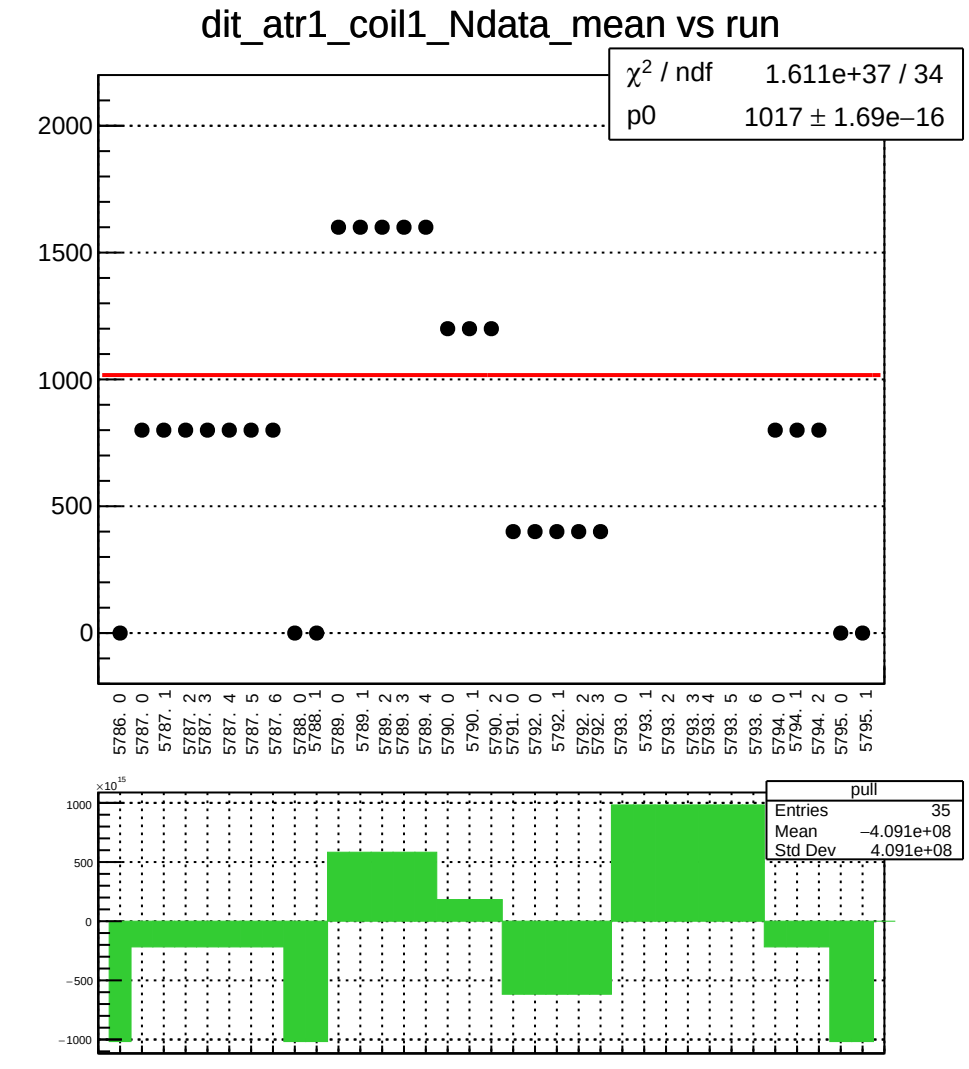

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

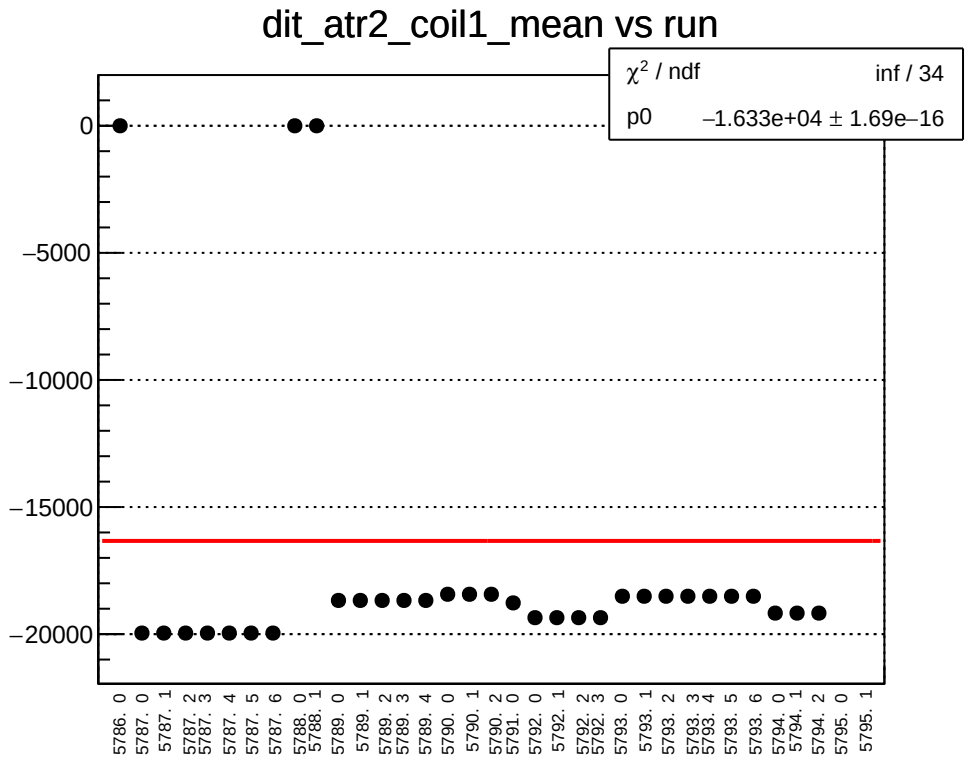

dit_atr1_coil1_mean vs run
χ² / ndf inf / 34
p0 1.051e+04 ± 1.69e−16
14000
12000
10000
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 35
Mean −5.489e+07
Std Dev 5.489e+07

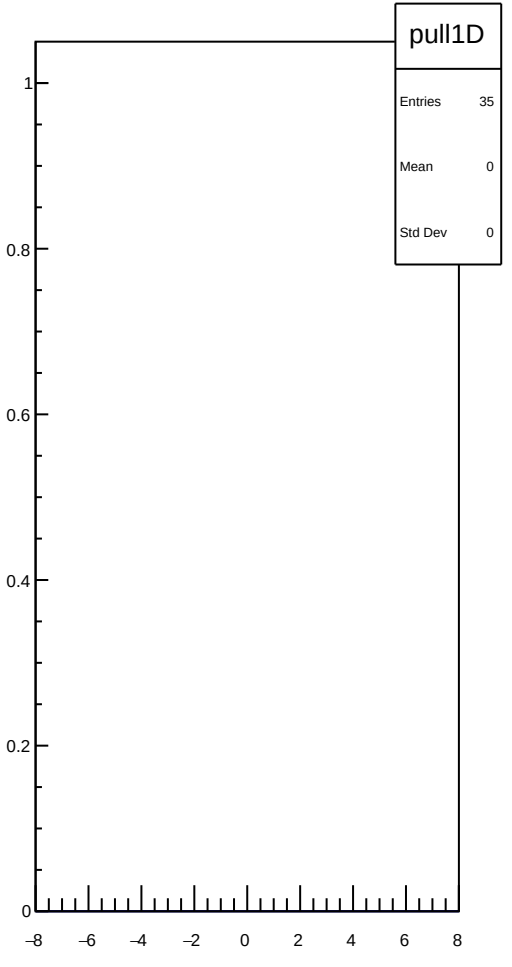

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

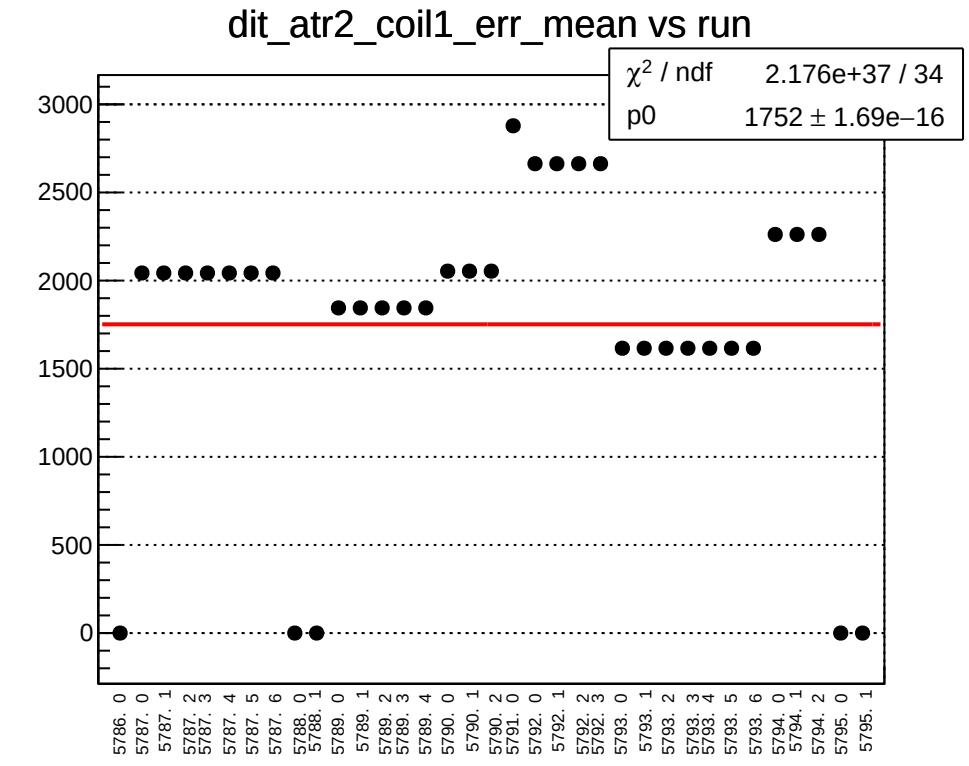

dit_atr1_coil1_err_mean vs run
χ² / ndf 9.128e+35 / 34
p0 324.8 ± 1.69e−16
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
pull
Entries 35
Mean 2.101e+09
Std Dev 2.101e+09

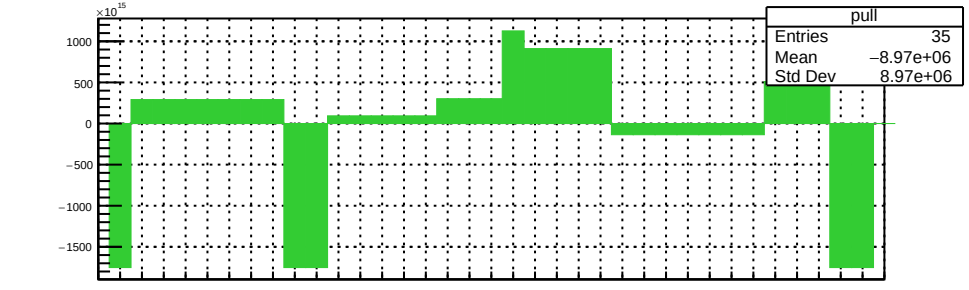

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

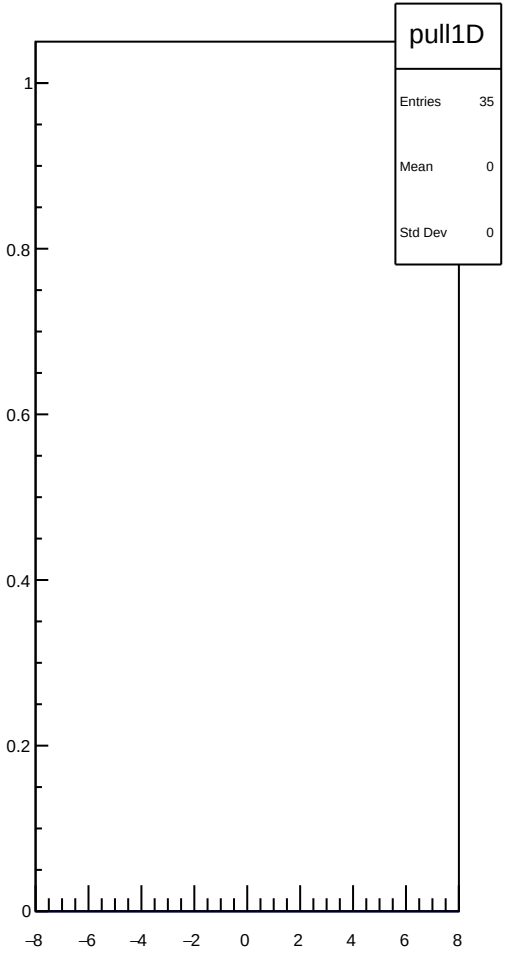

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

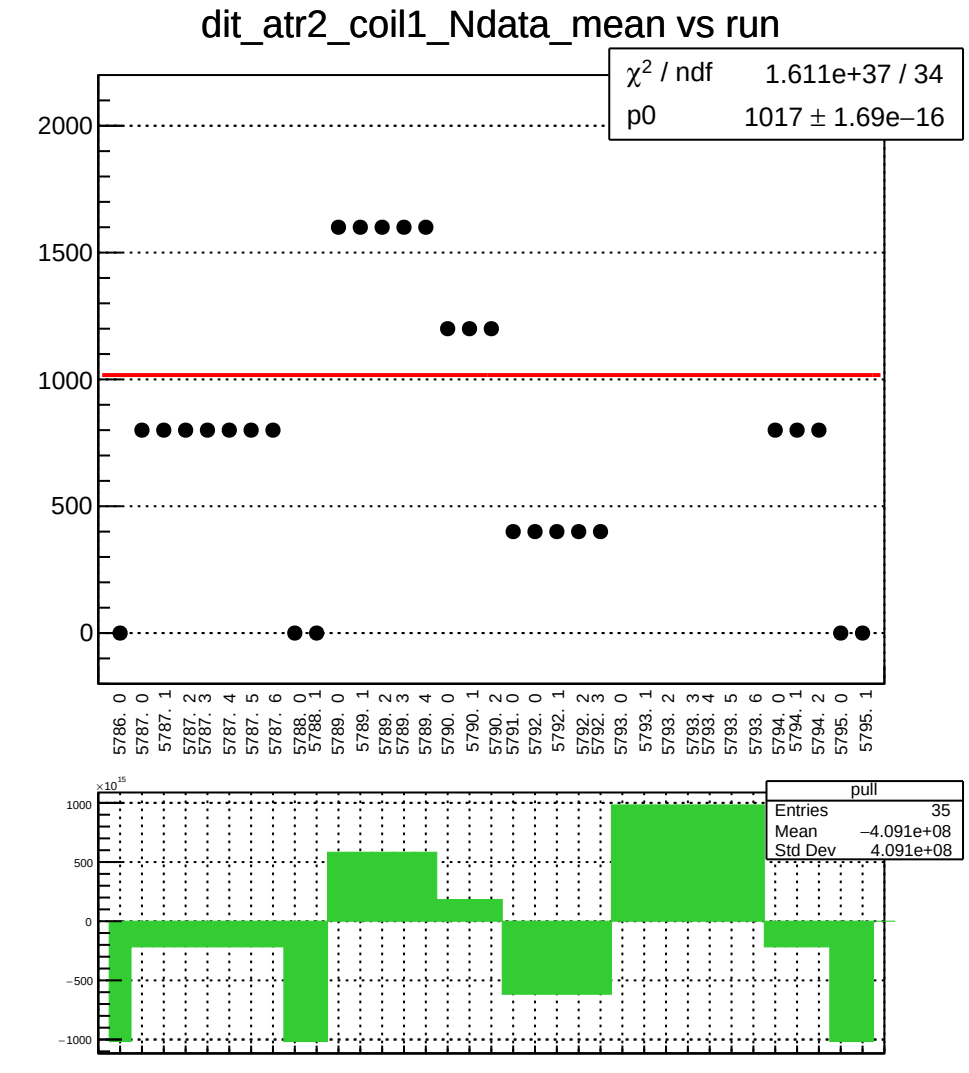

dit_atr2_coil1_mean vs run
χ² / ndf inf / 34
p0 −1.633e+04 ± 1.69e−16
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
16
14
12
10
8
6
4
2
0
−2
−4
pull
Entries 35
Mean −9.366e+07
Std Dev 9.366e+07

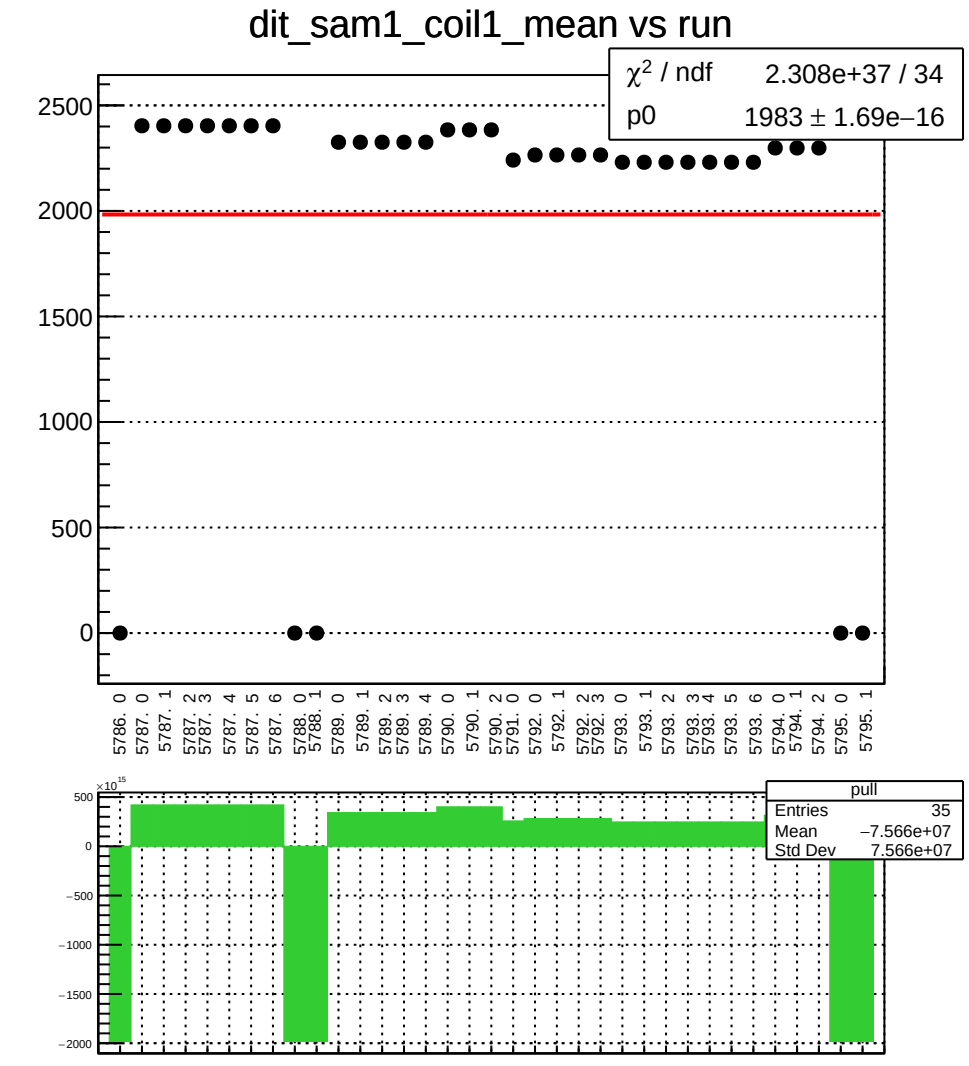

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

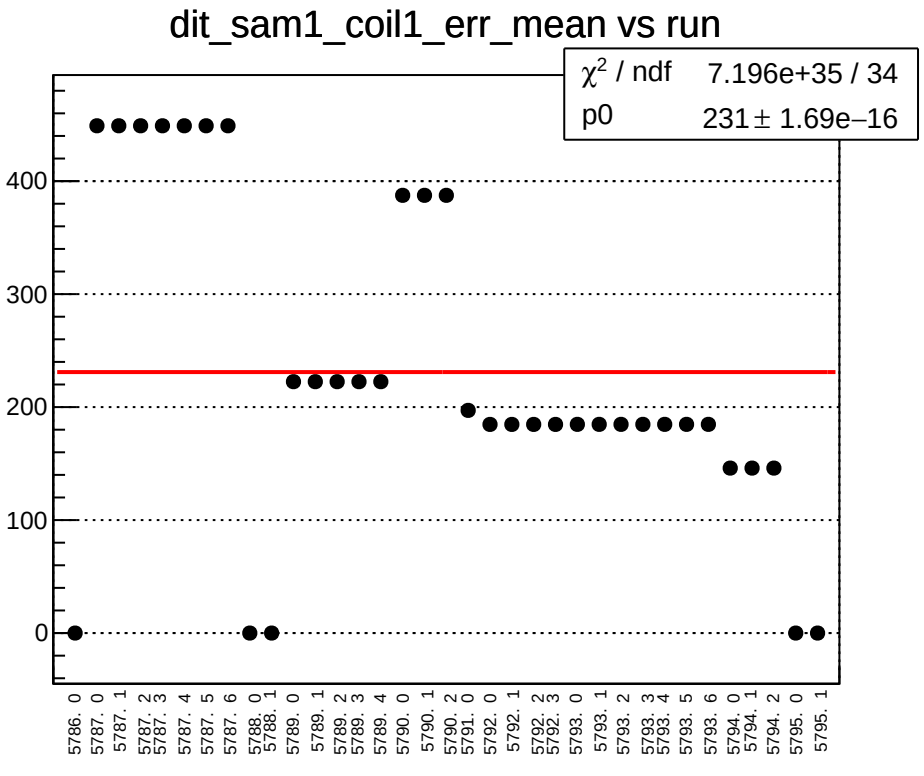

dit_atr2_coil1_err_mean vs run
χ² / ndf 2.176e+37 / 34
p0 1752 ± 1.69e−16
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

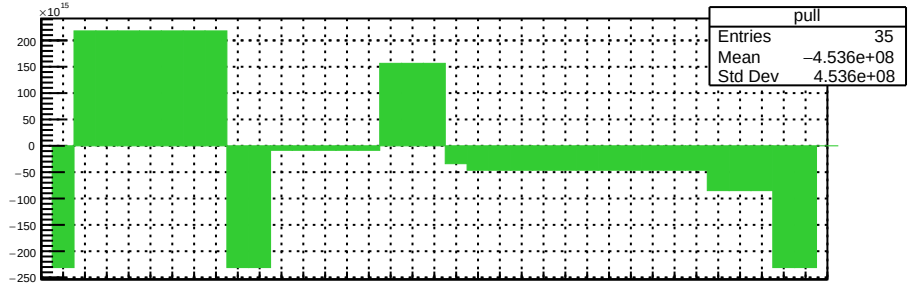

×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 35
Mean −8.97e+06
Std Dev 8.97e+06

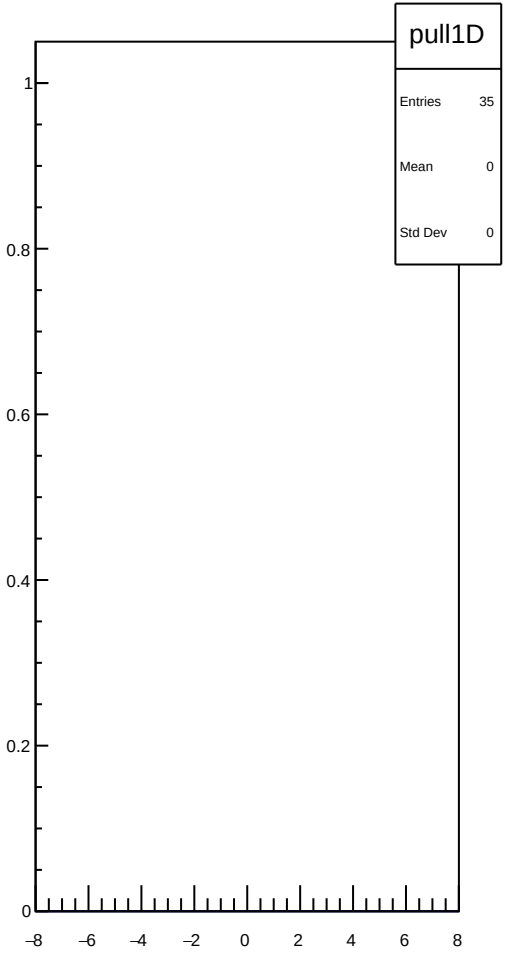

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

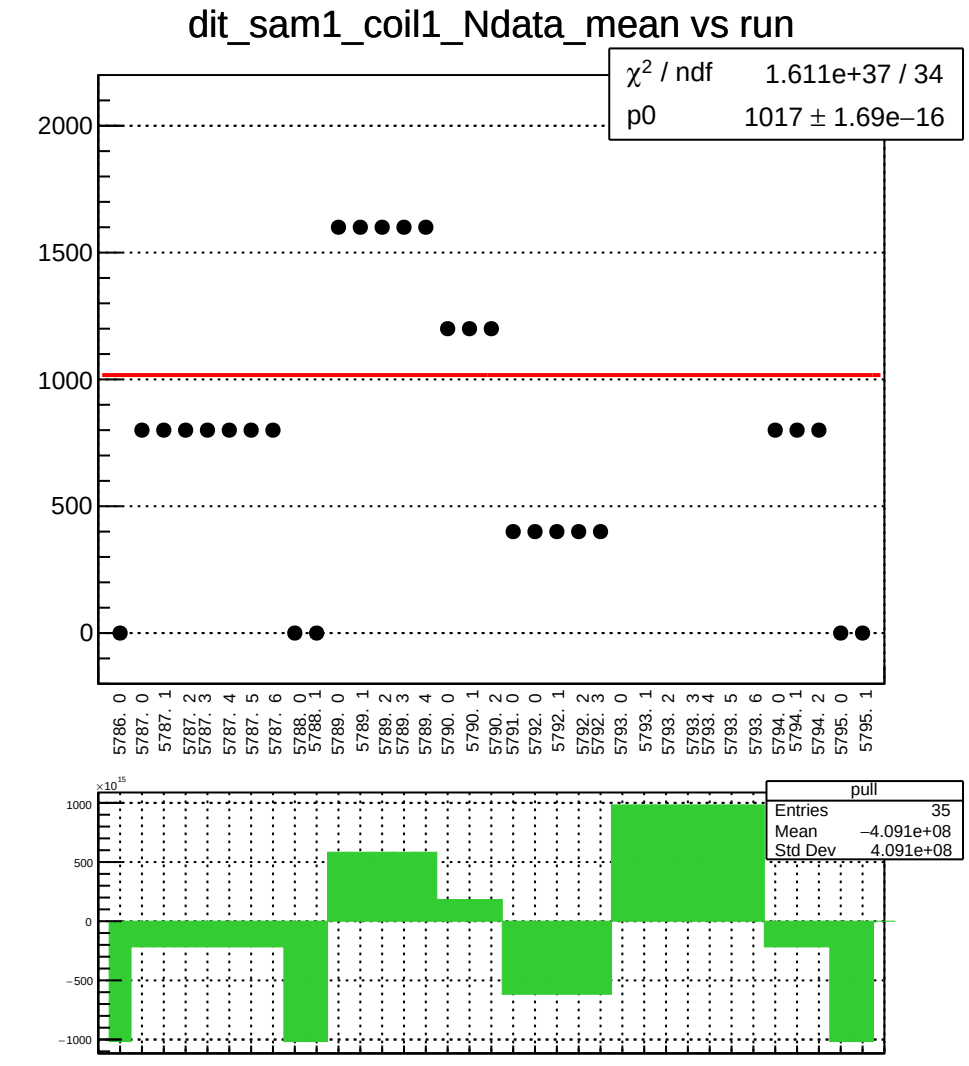

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

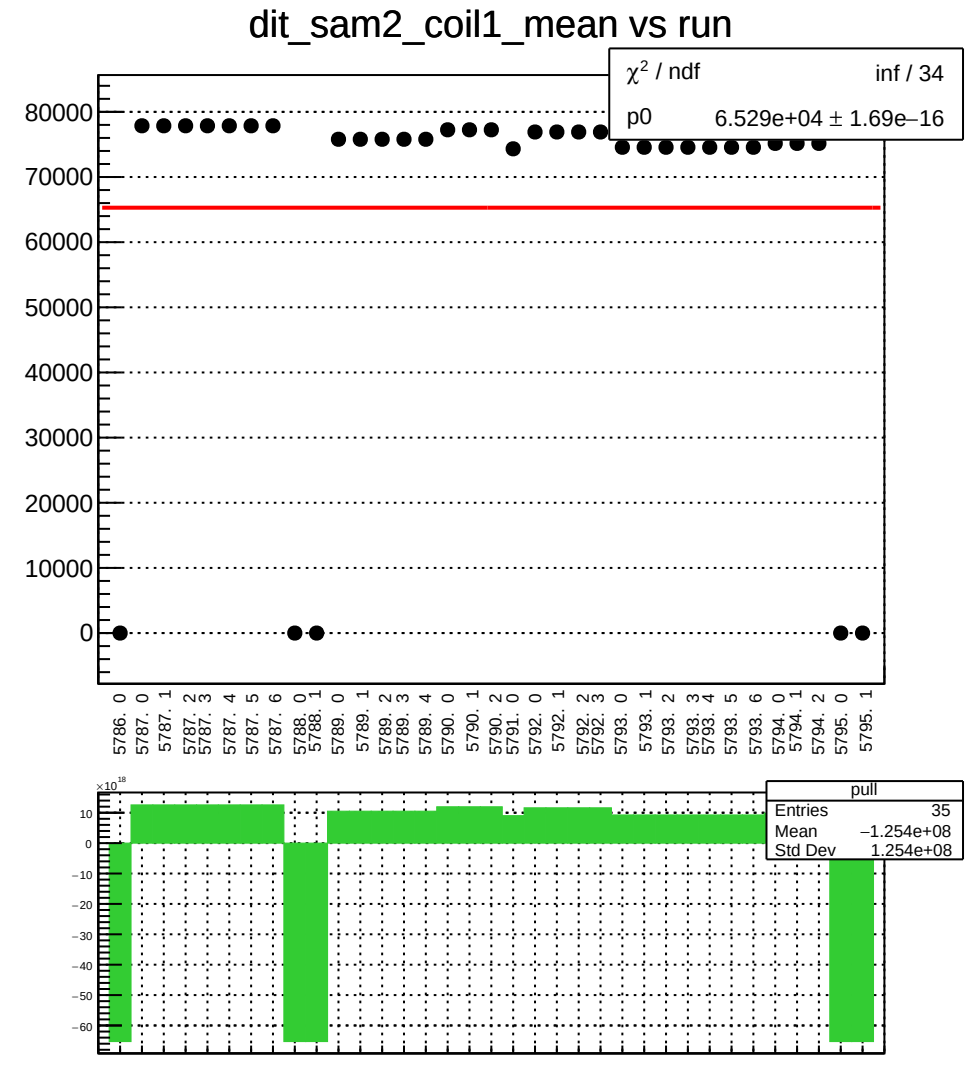

dit_sam1_coil1_mean vs run
χ² / ndf 2.308e+37 / 34
p0 1983 ± 1.69e−16
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10^15
500
0
−500
−1000
−1500
−2000
pull
Entries 35
Mean −7.566e+07
Std Dev 7.566e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

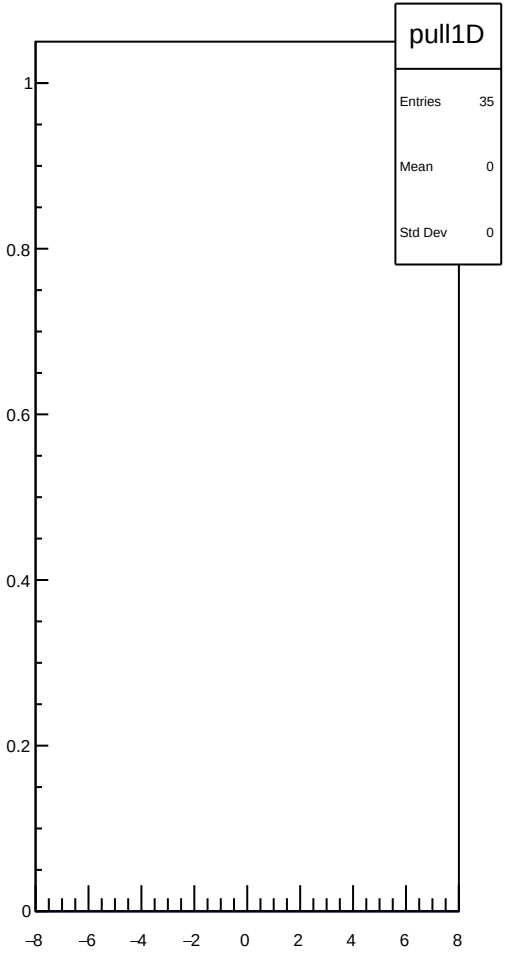

dit_sam1_coil1_err_mean vs run
χ² / ndf 7.196e+35 / 34
p0 231 ± 1.69e−16
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

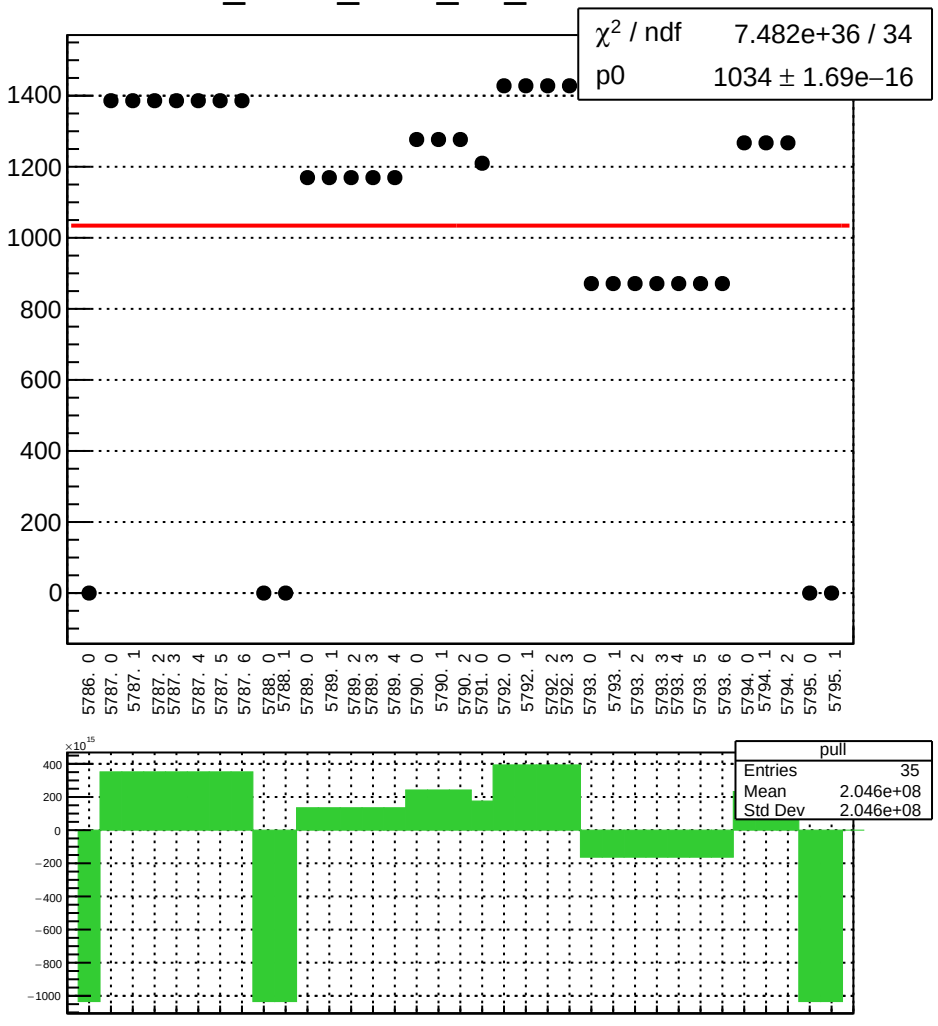

×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 35
Mean −4.536e+08
Std Dev 4.536e+08

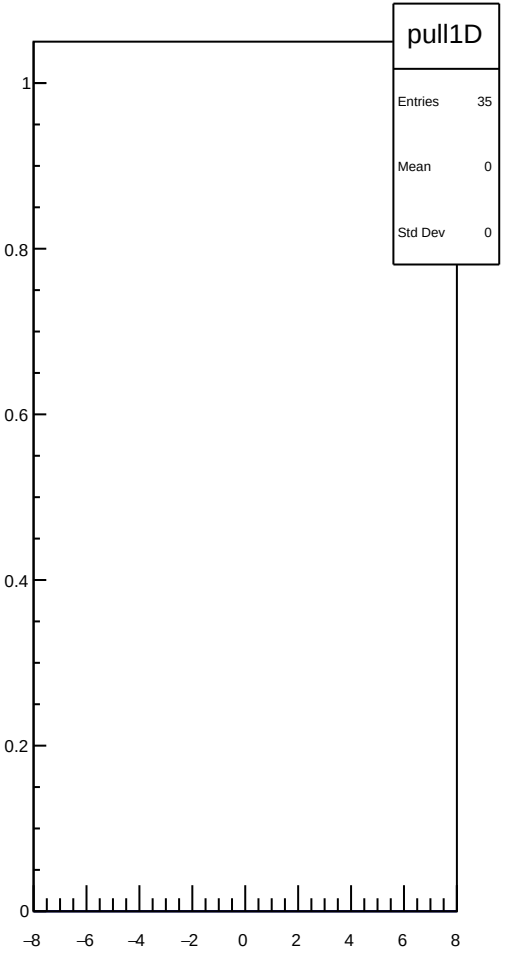

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

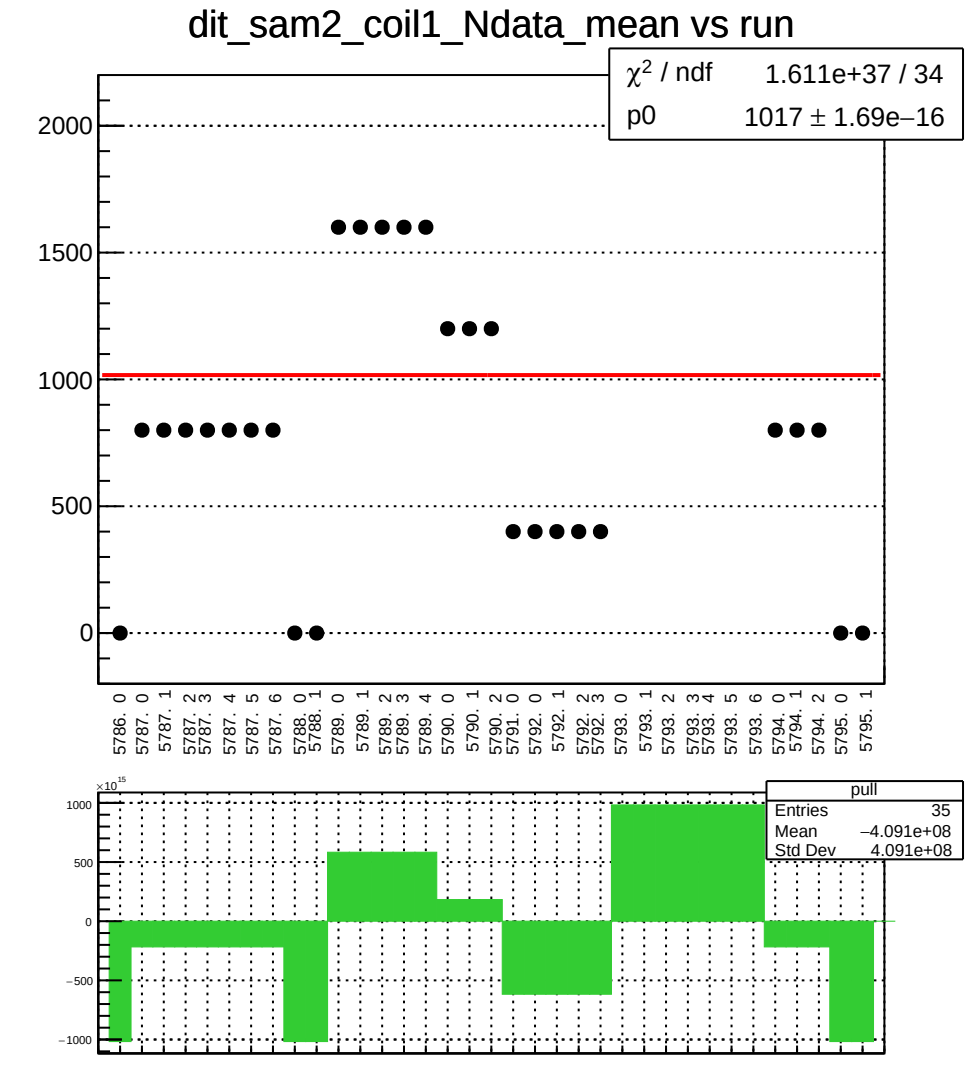

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

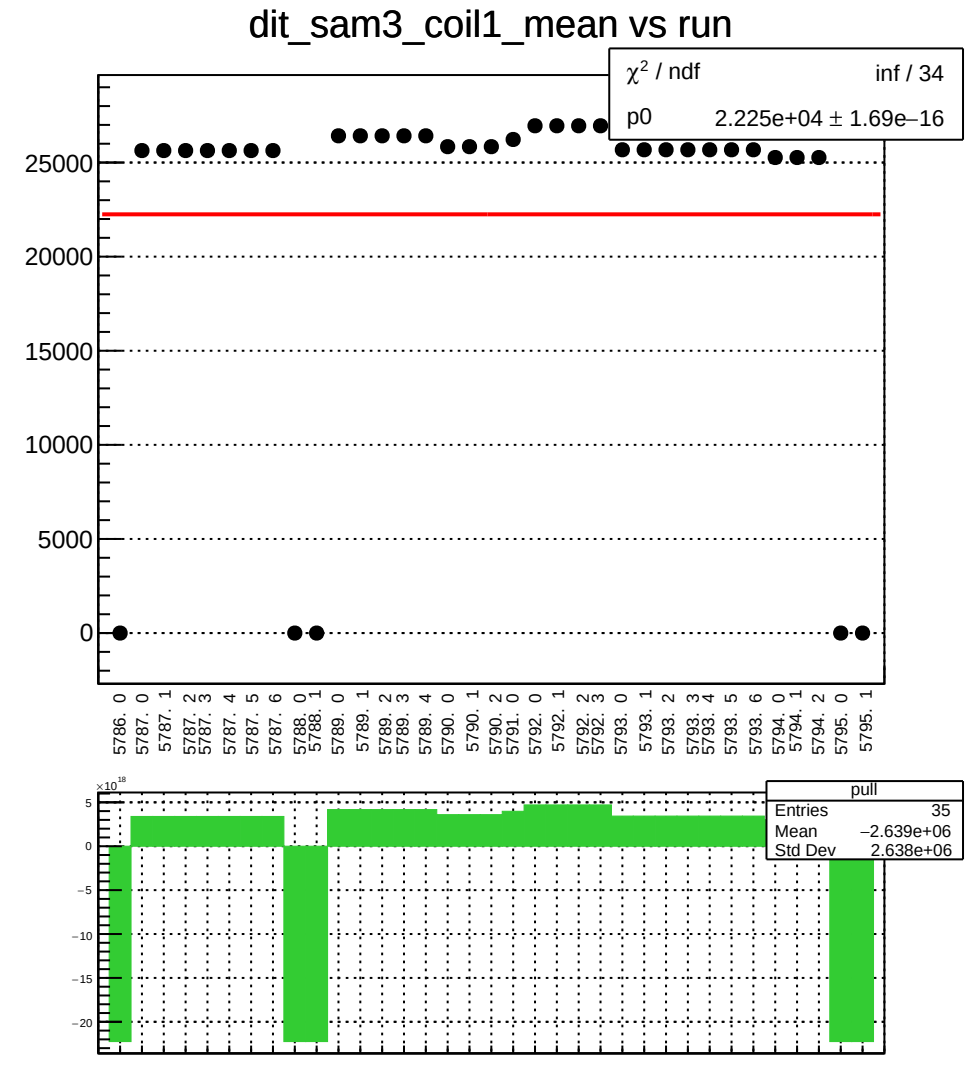

dit_sam2_coil1_mean vs run
χ² / ndf inf / 34
p0 6.529e+04 ± 1.69e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
10
0
−10
−20
−30
−40
−50
−60
pull
Entries 35
Mean −1.254e+08
Std Dev 1.254e+08

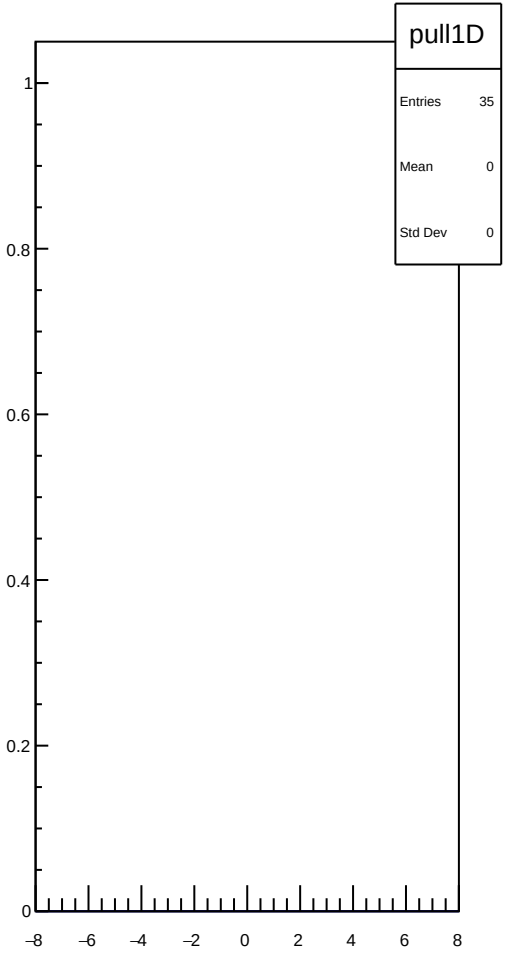

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

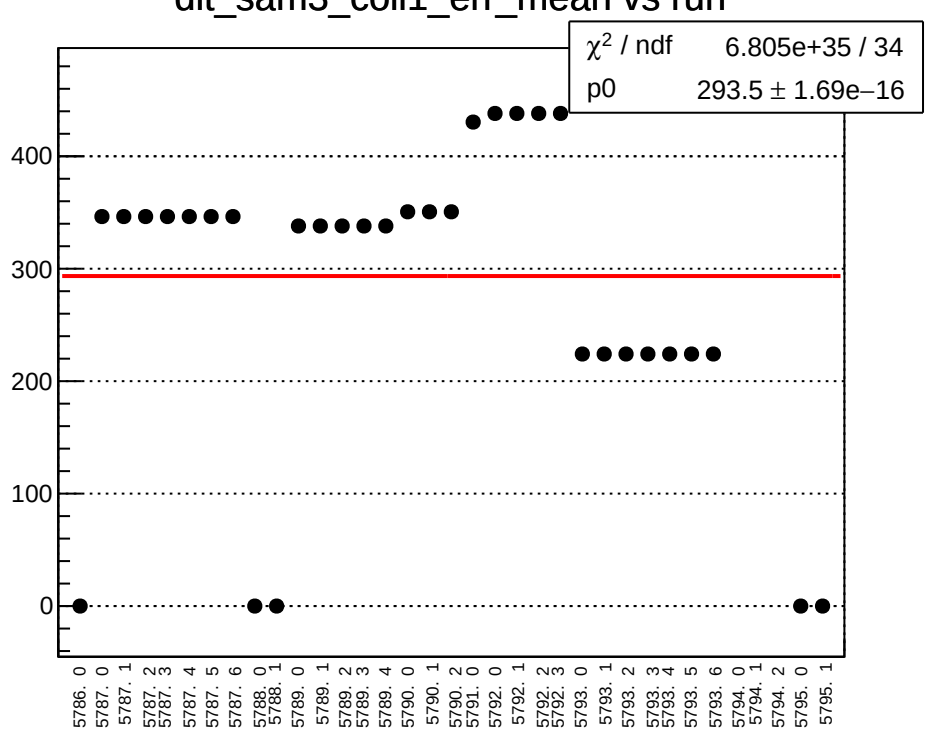

dit_sam2_coil1_err_mean vs run
χ² / ndf 7.482e+36 / 34
p0 1034 ± 1.69e−16
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean 2.046e+08
Std Dev 2.046e+08

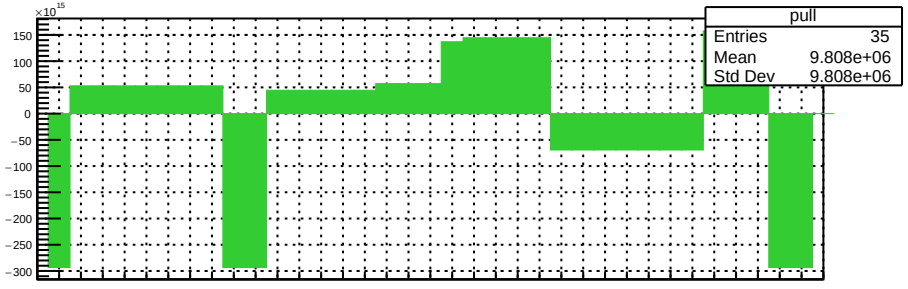

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

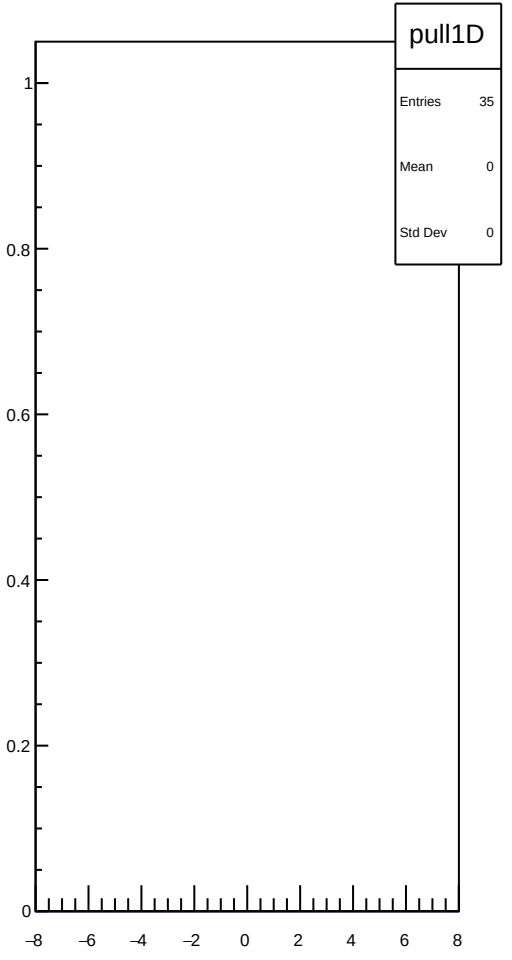

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

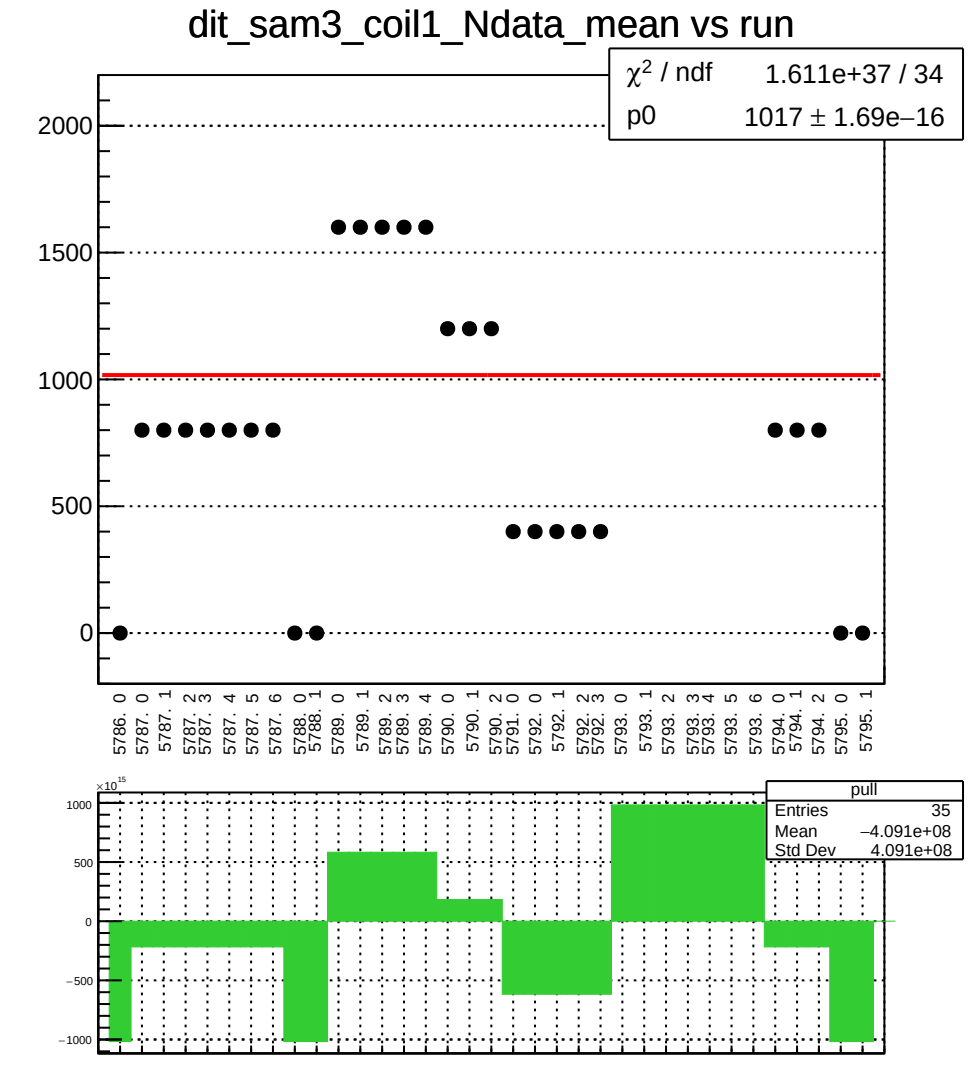

dit_sam3_coil1_mean vs run
χ² / ndf inf / 34
p0 2.225e+04 ± 1.69e−16
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
pull
Entries 35
Mean −2.639e+06
Std Dev 2.638e+06

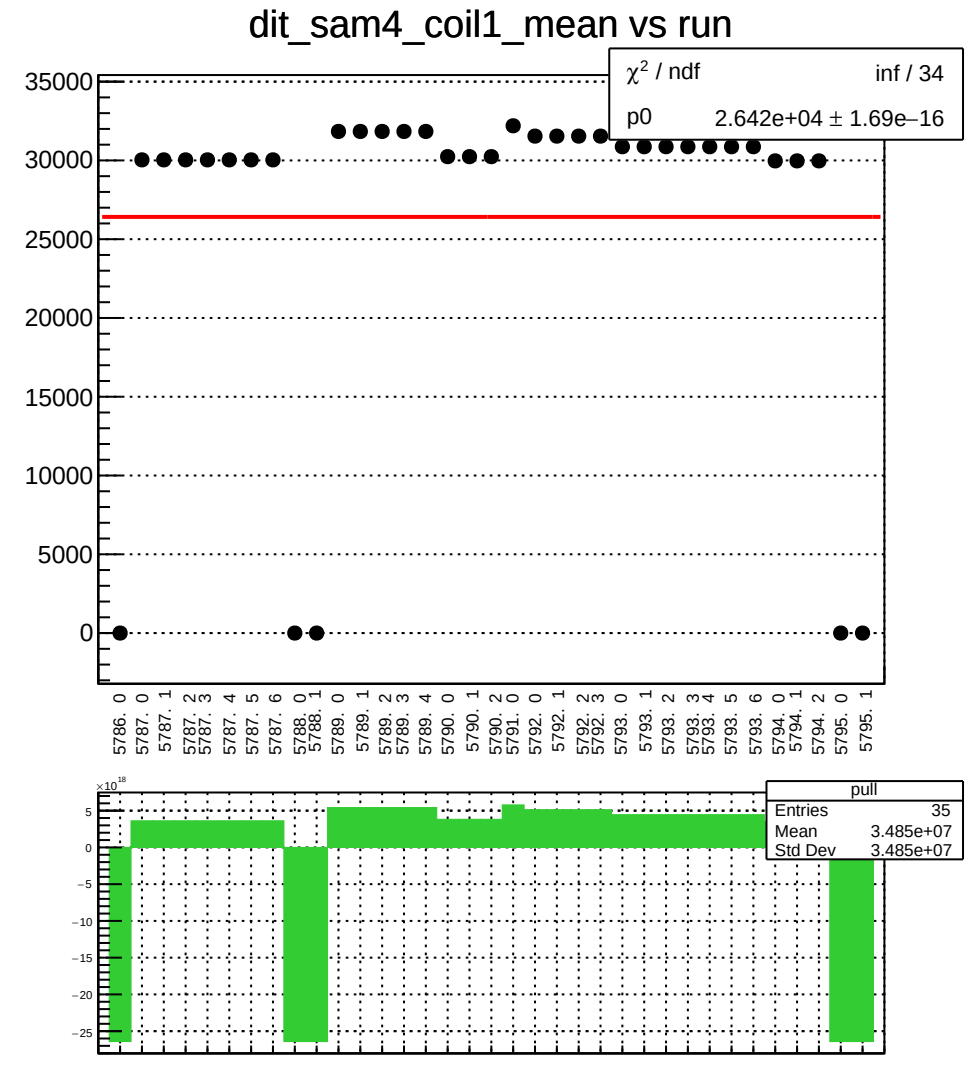

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

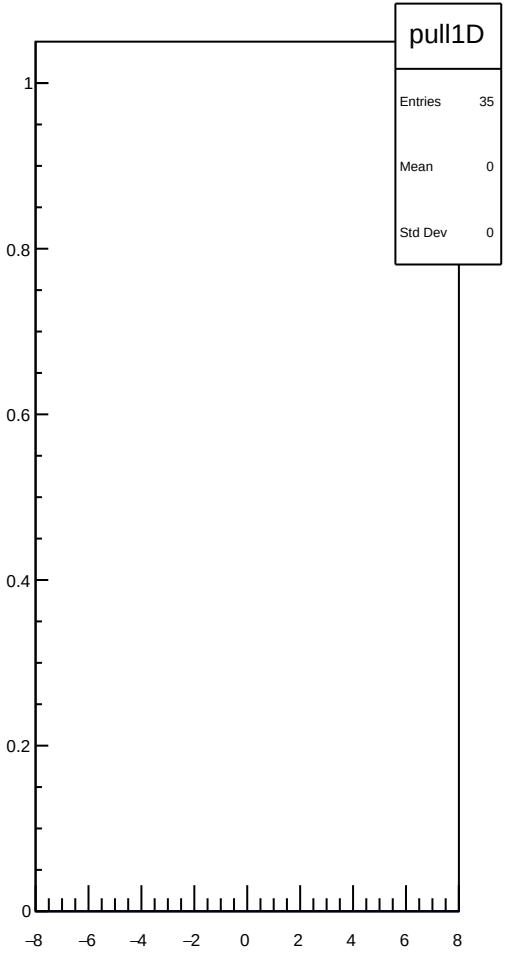

dit_sam3_coil1_err_mean vs run
χ² / ndf 6.805e+35 / 34
p0 293.5 ± 1.69e−16
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

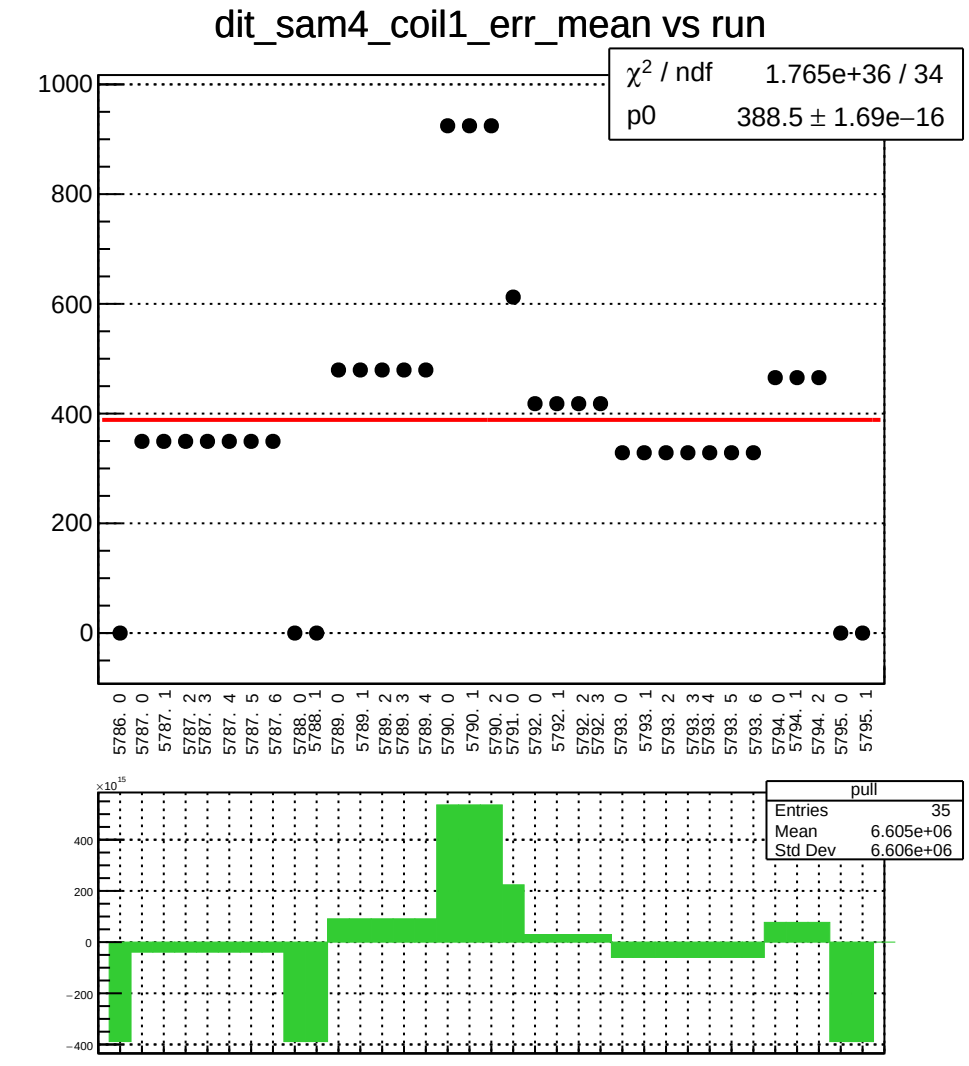

×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 35
Mean 9.808e+06
Std Dev 9.808e+06

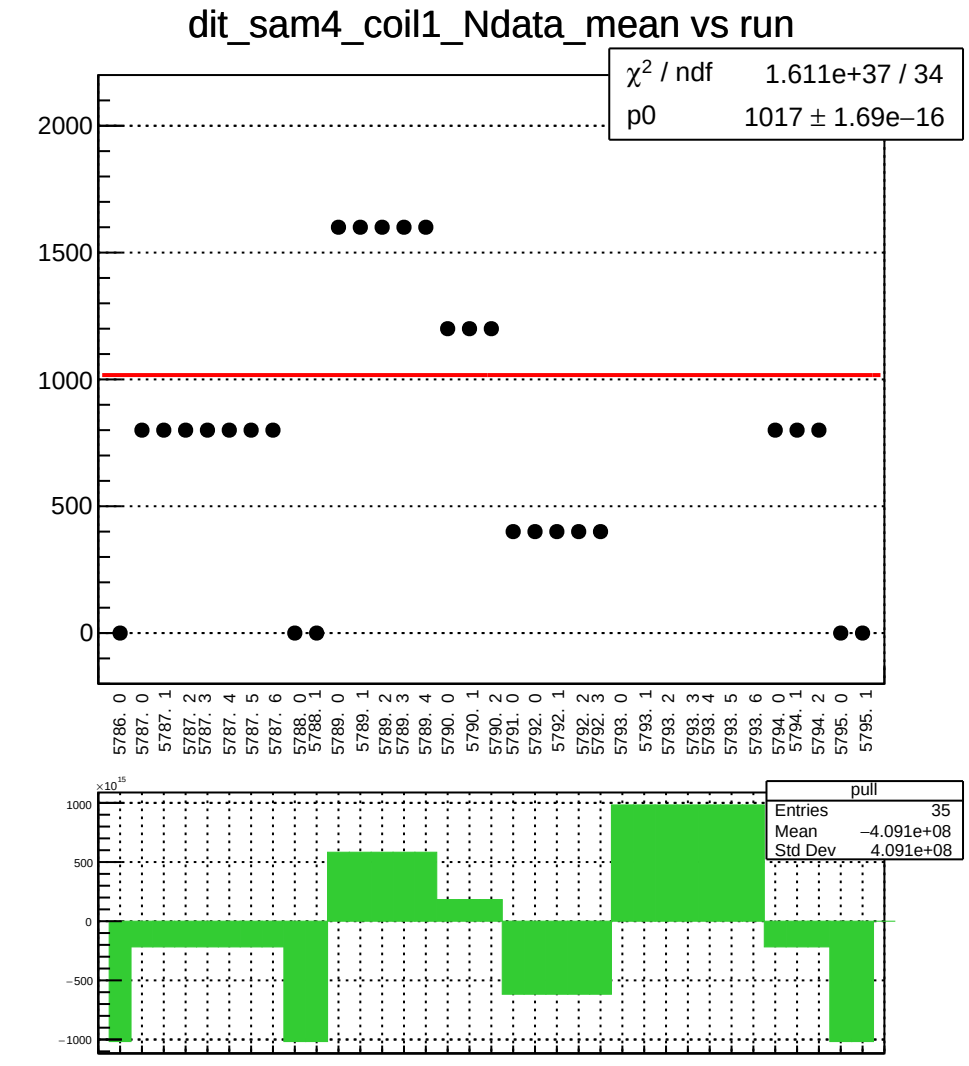

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

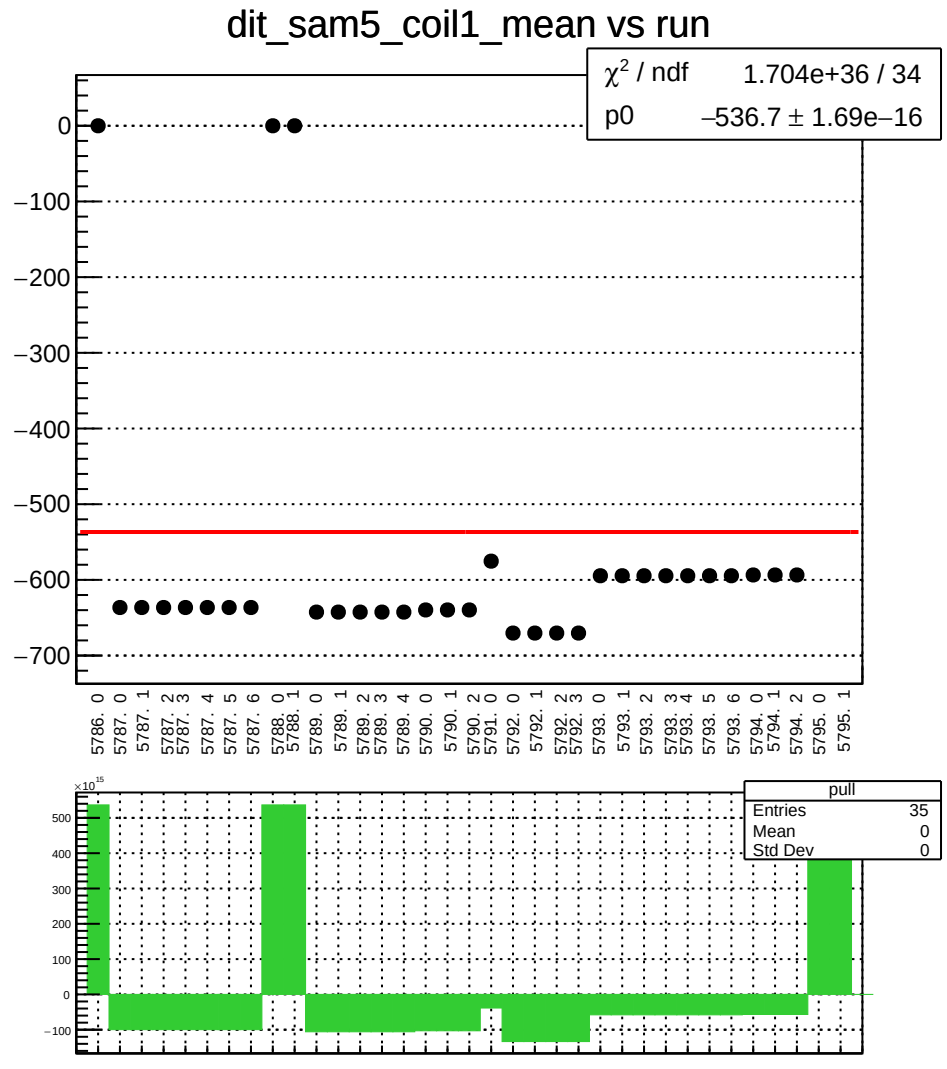

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

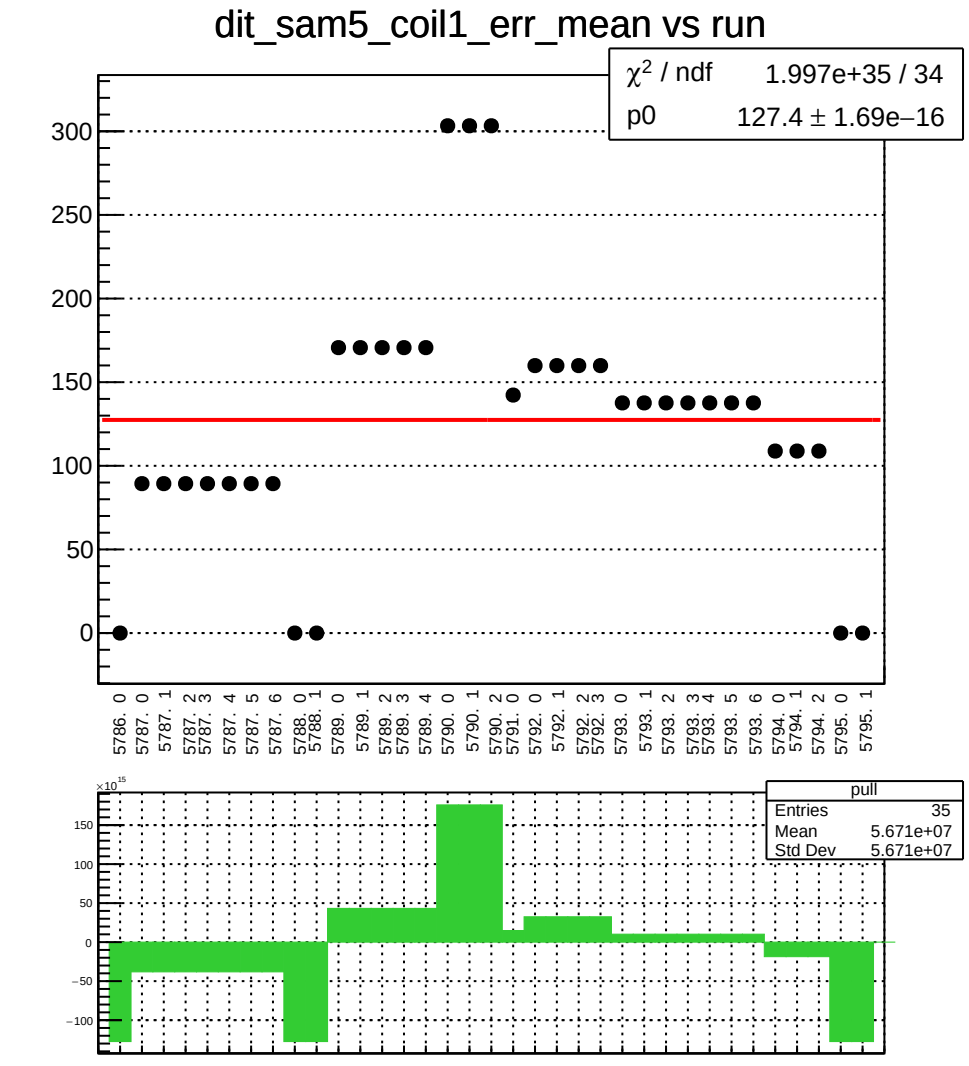

dit_sam4_coil1_mean vs run
χ² / ndf inf / 34
p0 2.642e+04 ± 1.69e−16
35000
30000
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 35
Mean 3.485e+07
Std Dev 3.485e+07

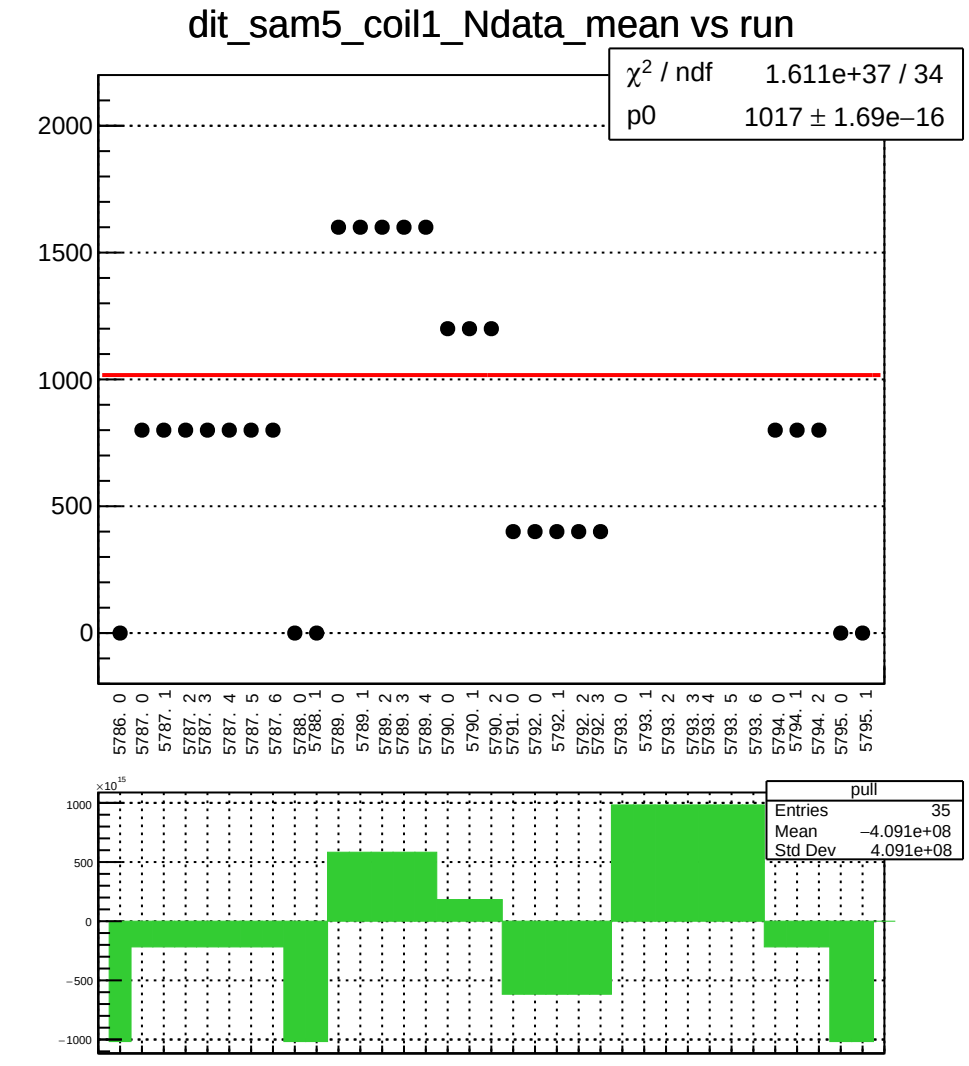

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

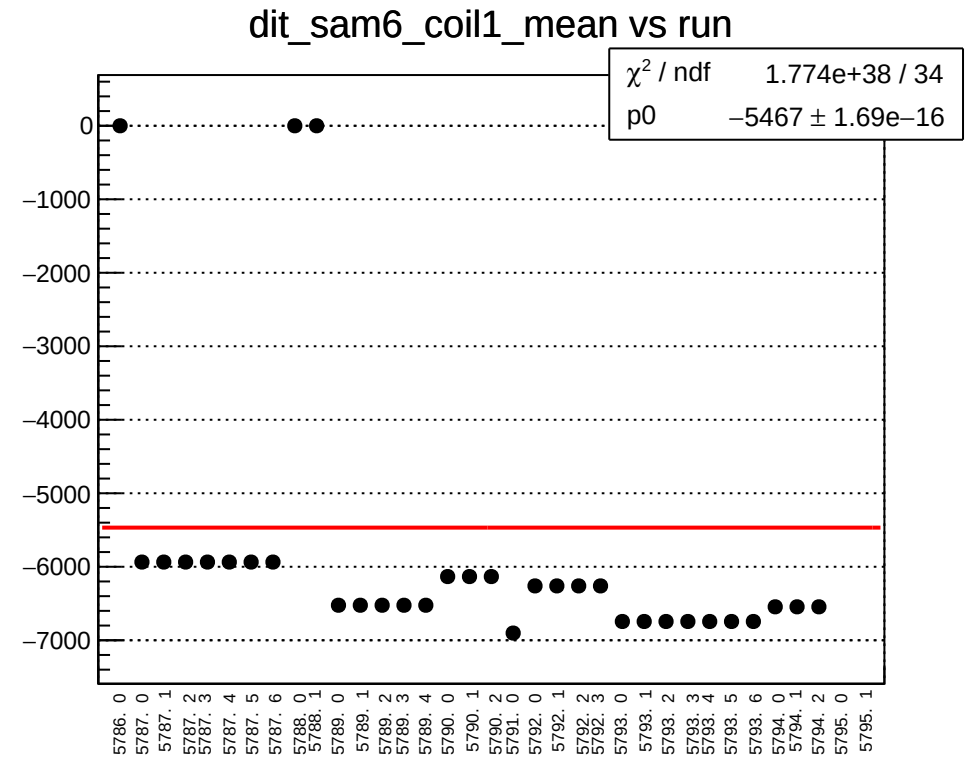

dit_sam4_coil1_err_mean vs run
χ² / ndf 1.765e+36 / 34
p0 388.5 ± 1.69e−16
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
pull
Entries 35
Mean 6.605e+06
Std Dev 6.606e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

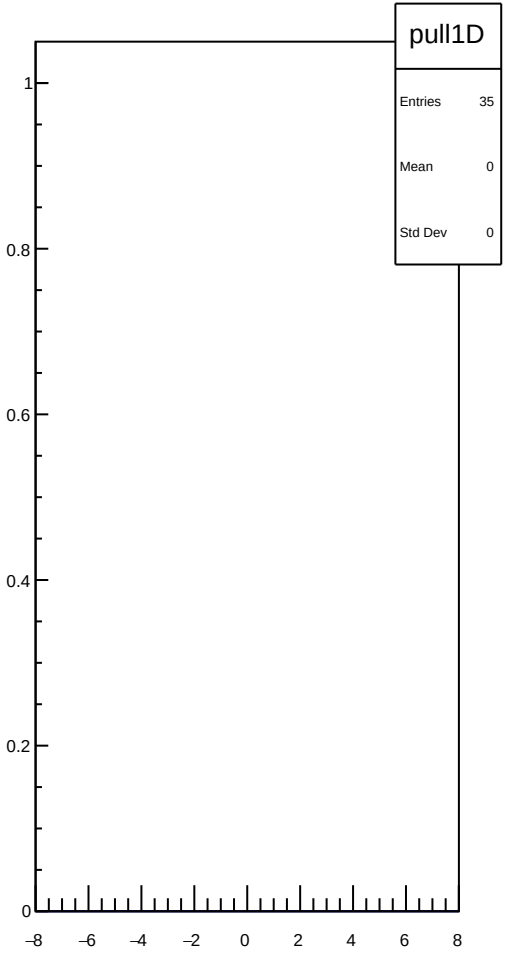

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

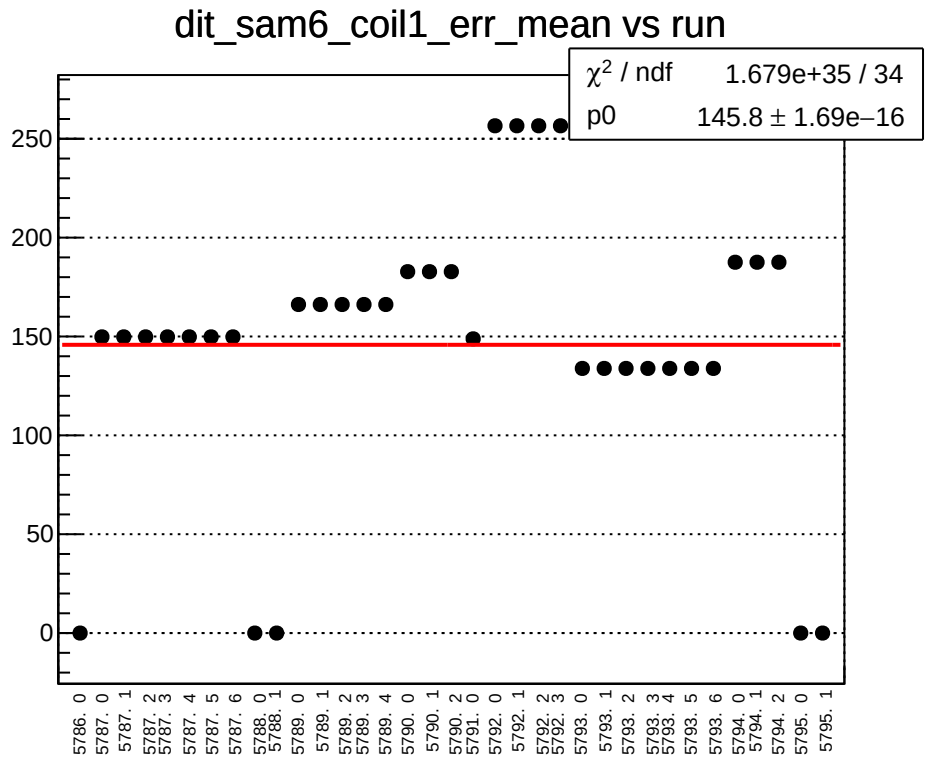

dit_sam5_coil1_mean vs run
χ² / ndf 1.704e+36 / 34
p0 –536.7 ± 1.69e–16
0
–100
–200
–300
–400
–500
–600
–700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
500
400
300
200
100
0
–100
pull
Entries 35
Mean 0
Std Dev 0
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

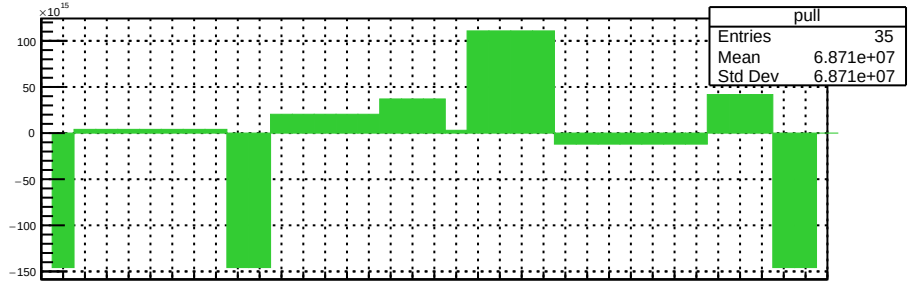

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.997e+35 / 34
p0 127.4 ± 1.69e−16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
150
100
50
0
−50
−100
pull
Entries 35
Mean 5.671e+07
Std Dev 5.671e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

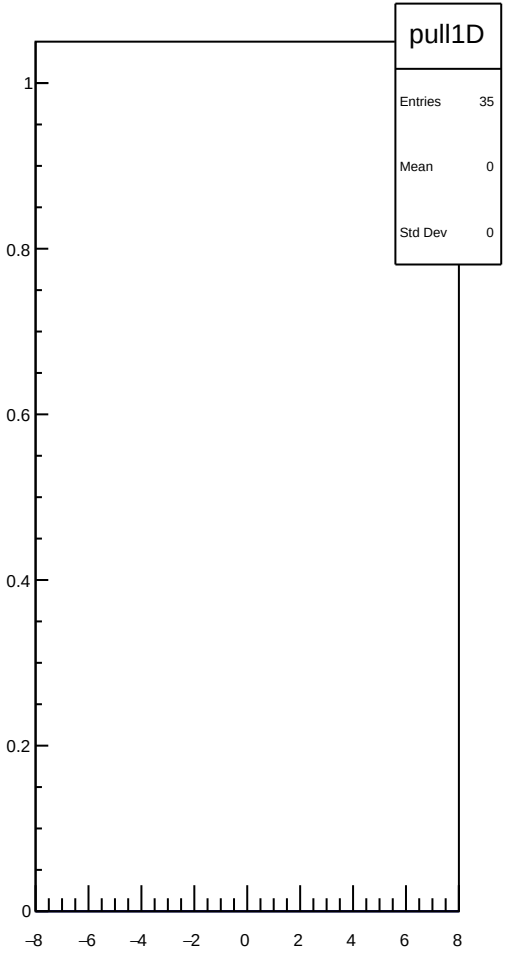

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

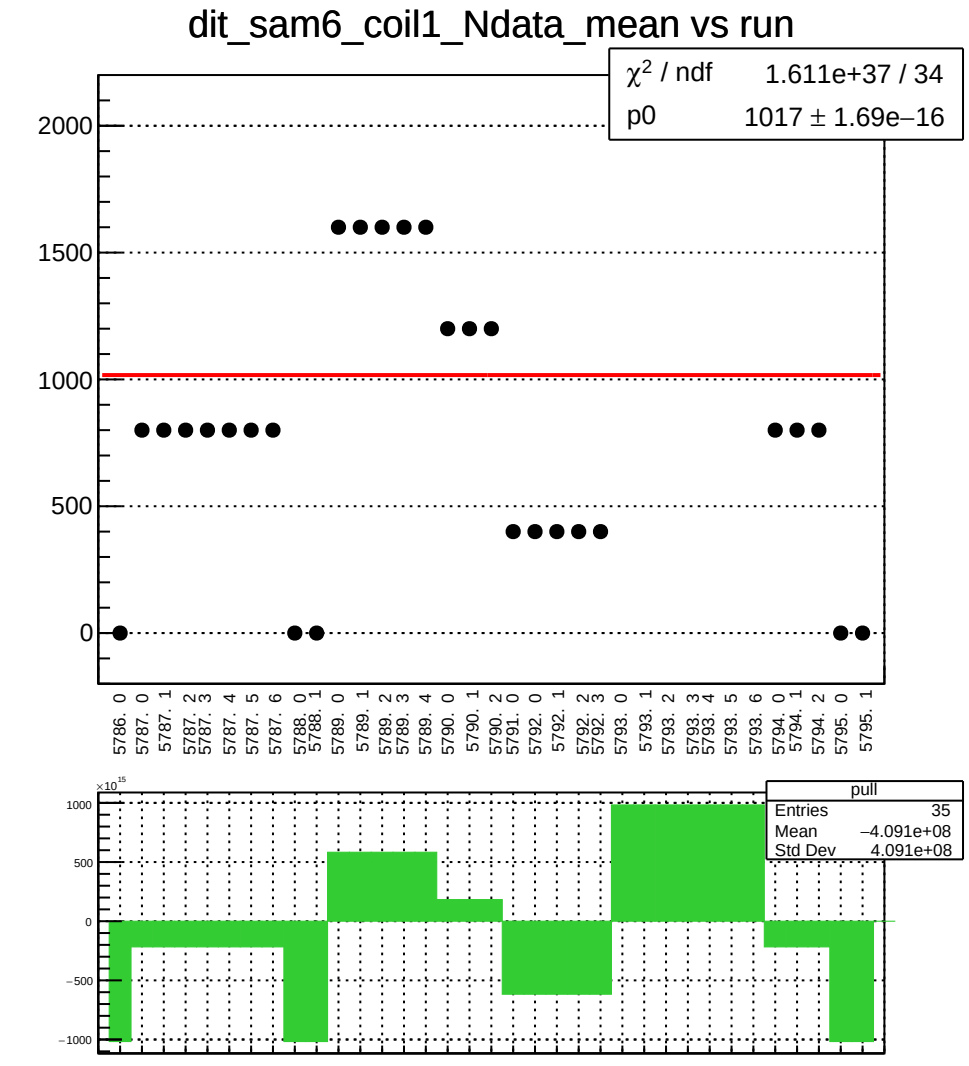

dit_sam6_coil1_mean vs run
χ² / ndf 1.774e+38 / 34
p0 −5467 ± 1.69e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull
Entries 35
Mean −2.644e+08
Std Dev 2.644e+08

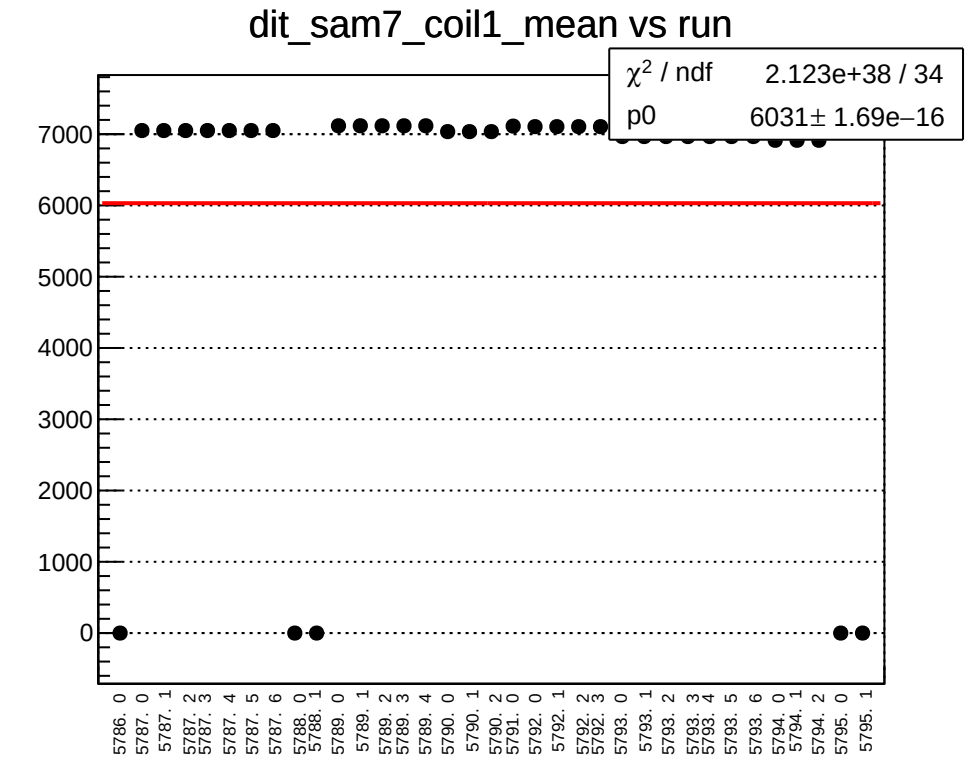

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

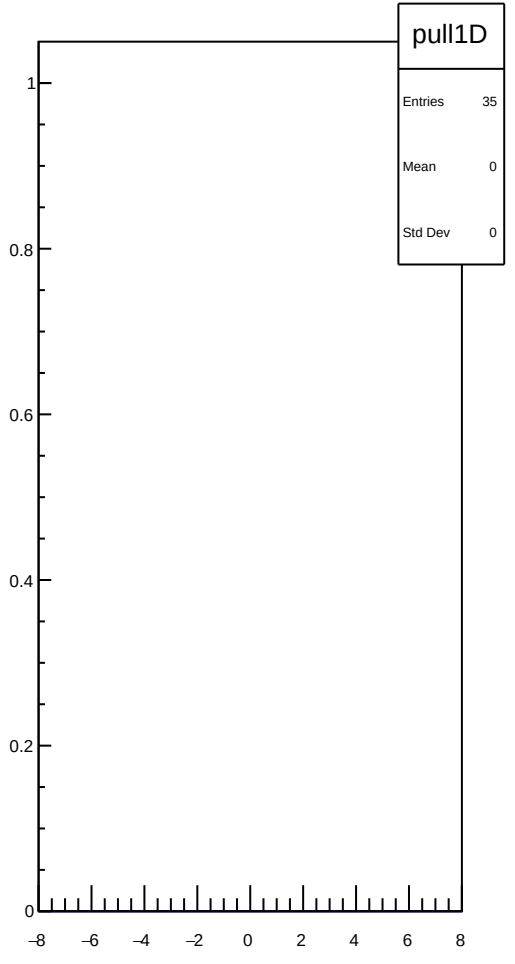

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.679e+35 / 34
p0 145.8 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

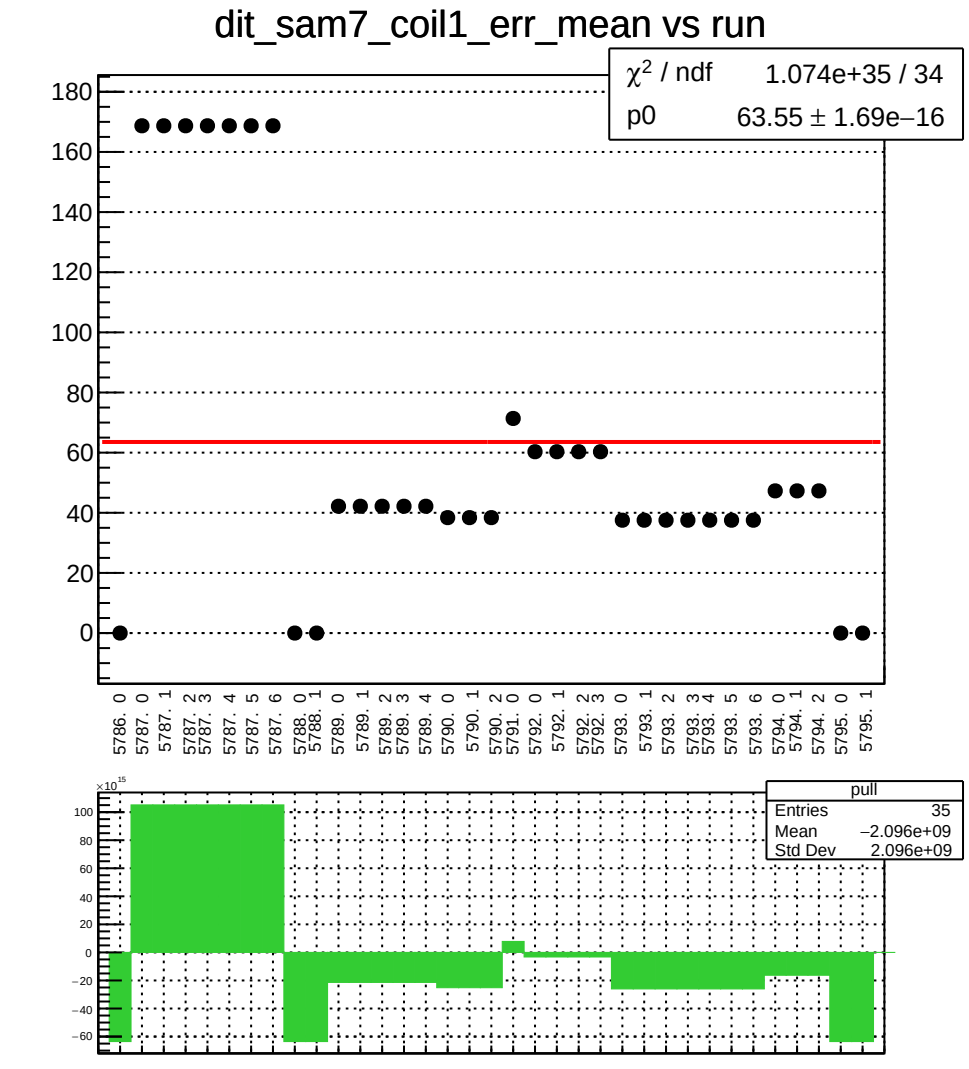

×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean 6.871e+07
Std Dev 6.871e+07

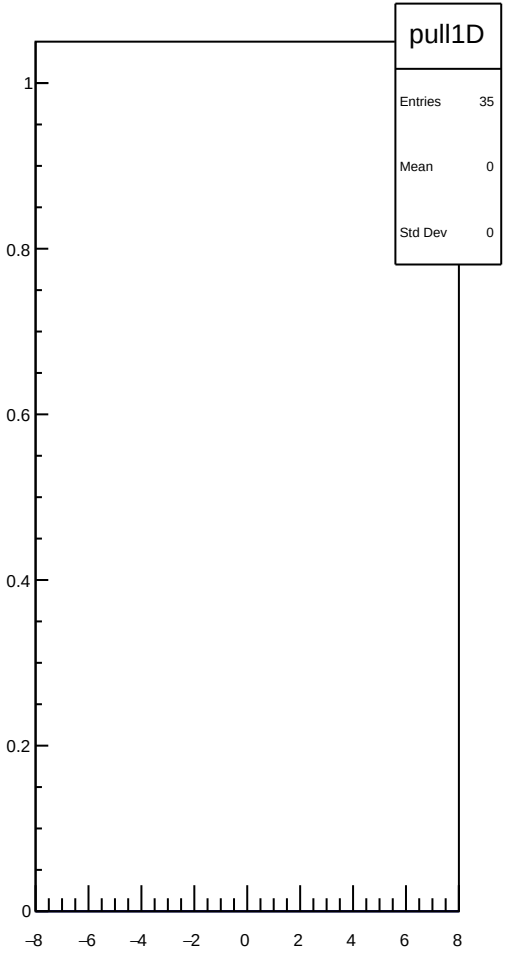

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

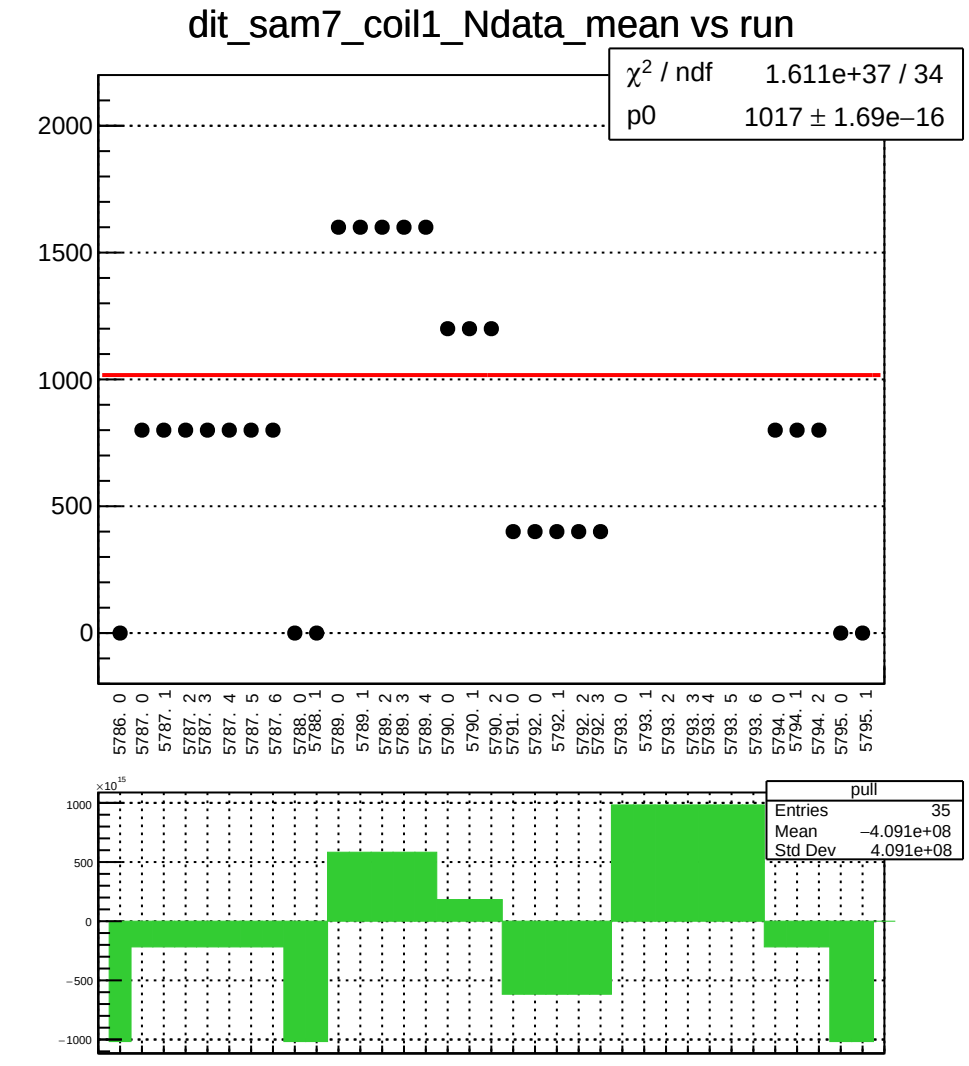

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

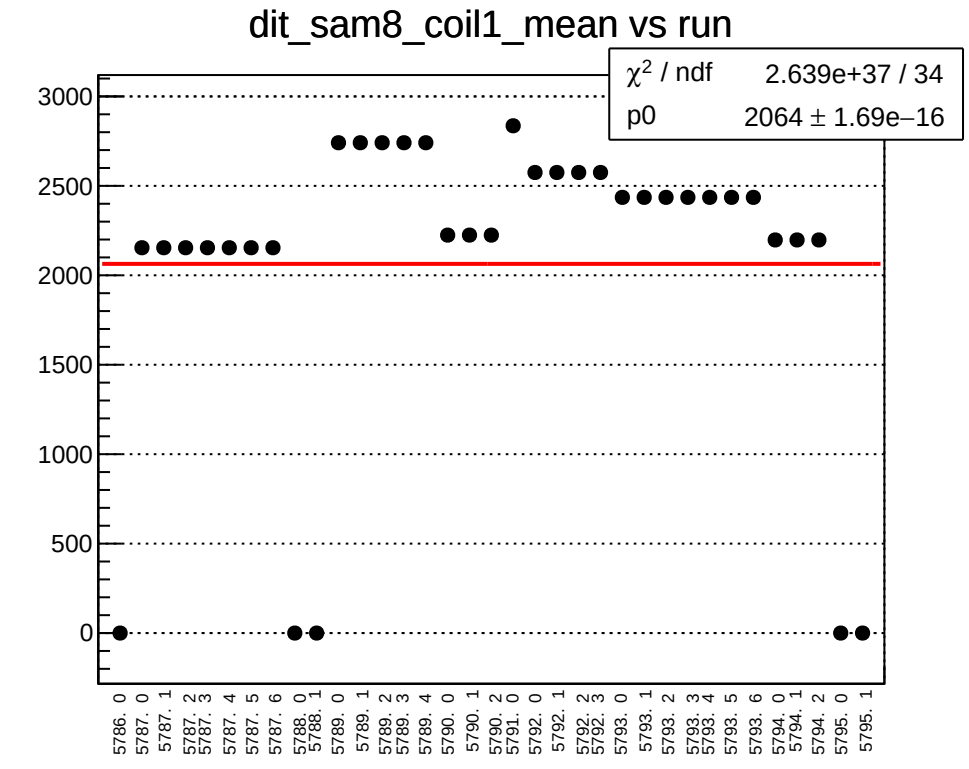

dit_sam7_coil1_mean vs run
χ² / ndf 2.123e+38 / 34
p0 6031± 1.69e−16
7000
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 35
Mean 3.331e+06
Std Dev 3.331e+06

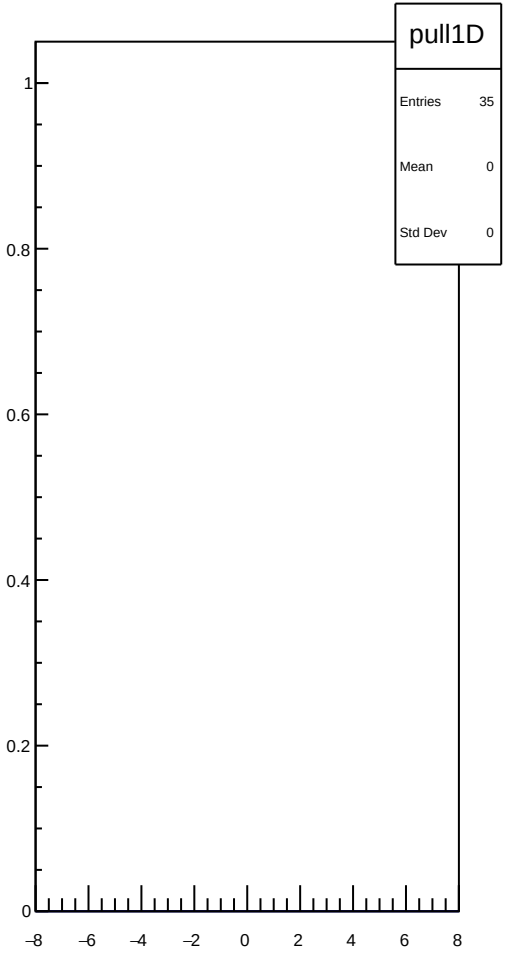

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

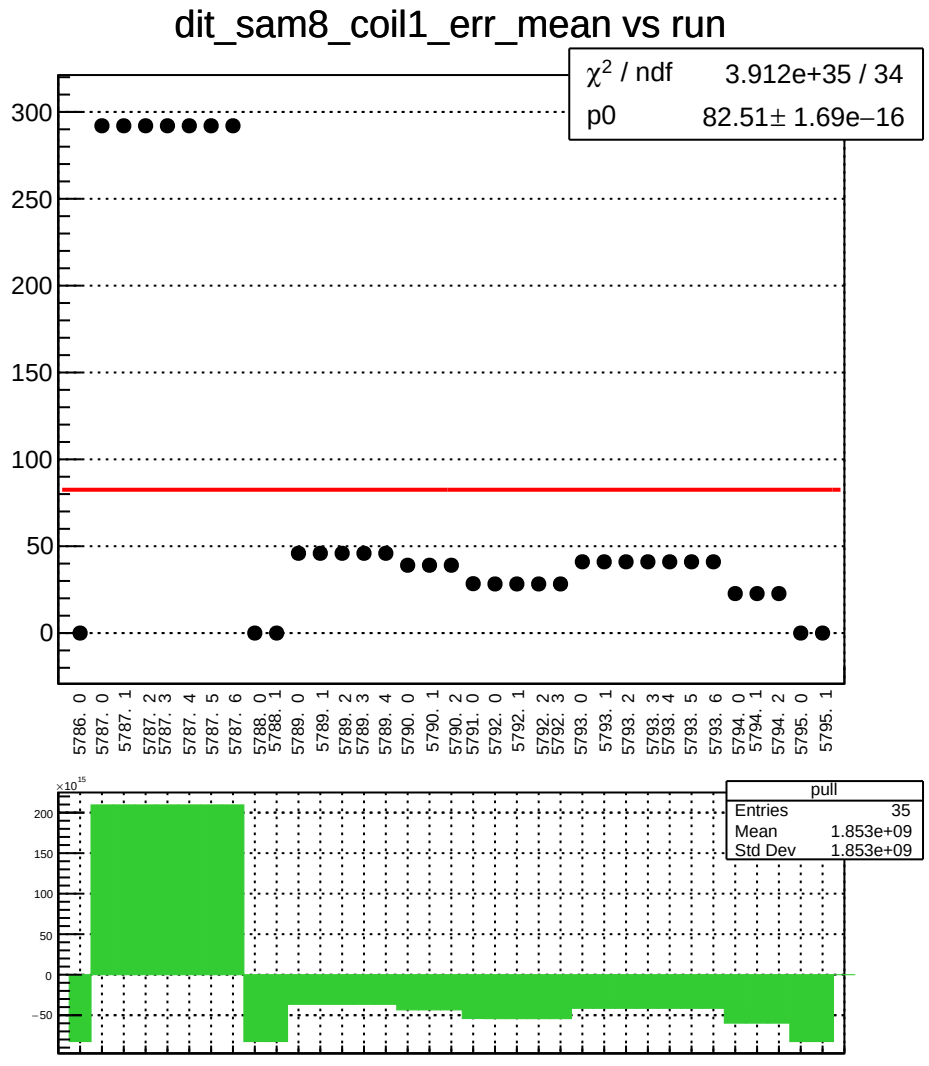

dit_sam7_coil1_err_mean vs run
χ² / ndf 1.074e+35 / 34
p0 63.55 ± 1.69e−16
180
160
140
120
100
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
pull
Entries 35
Mean −2.096e+09
Std Dev 2.096e+09

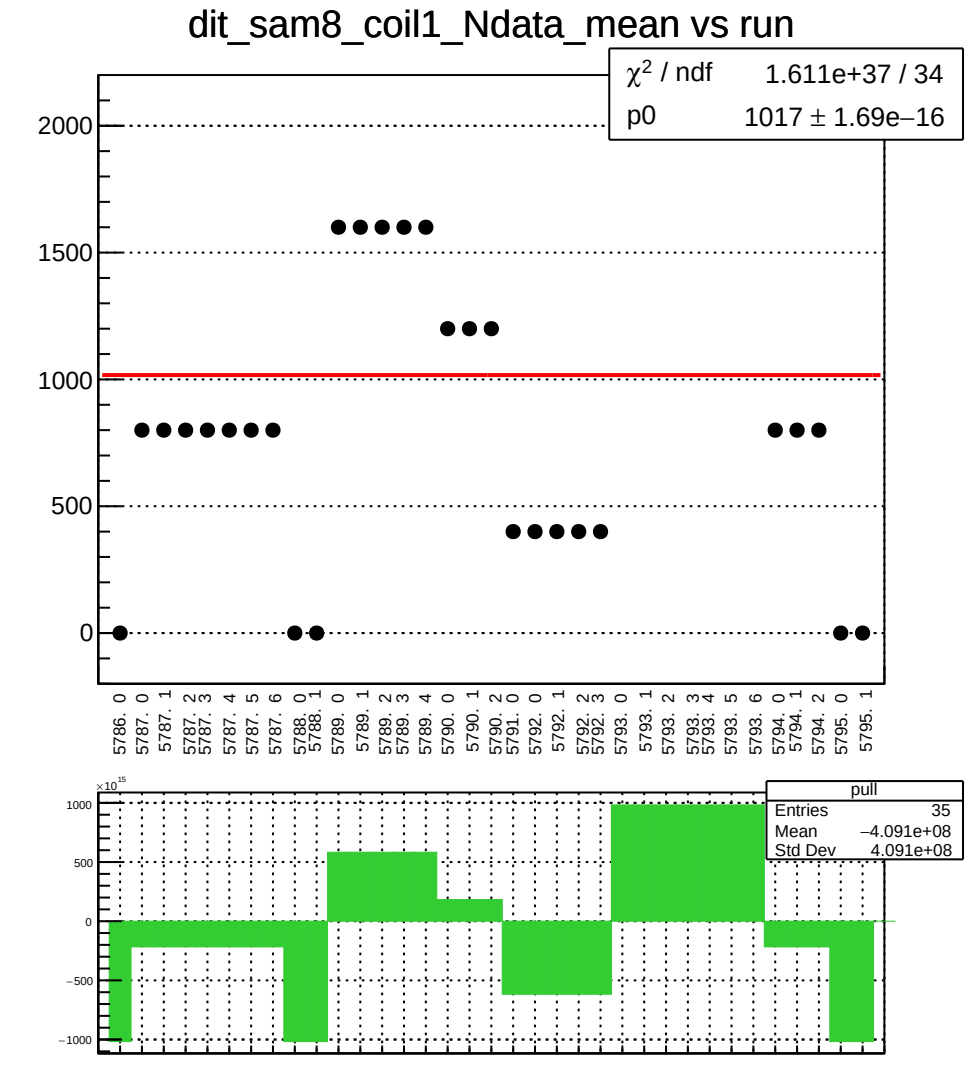

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

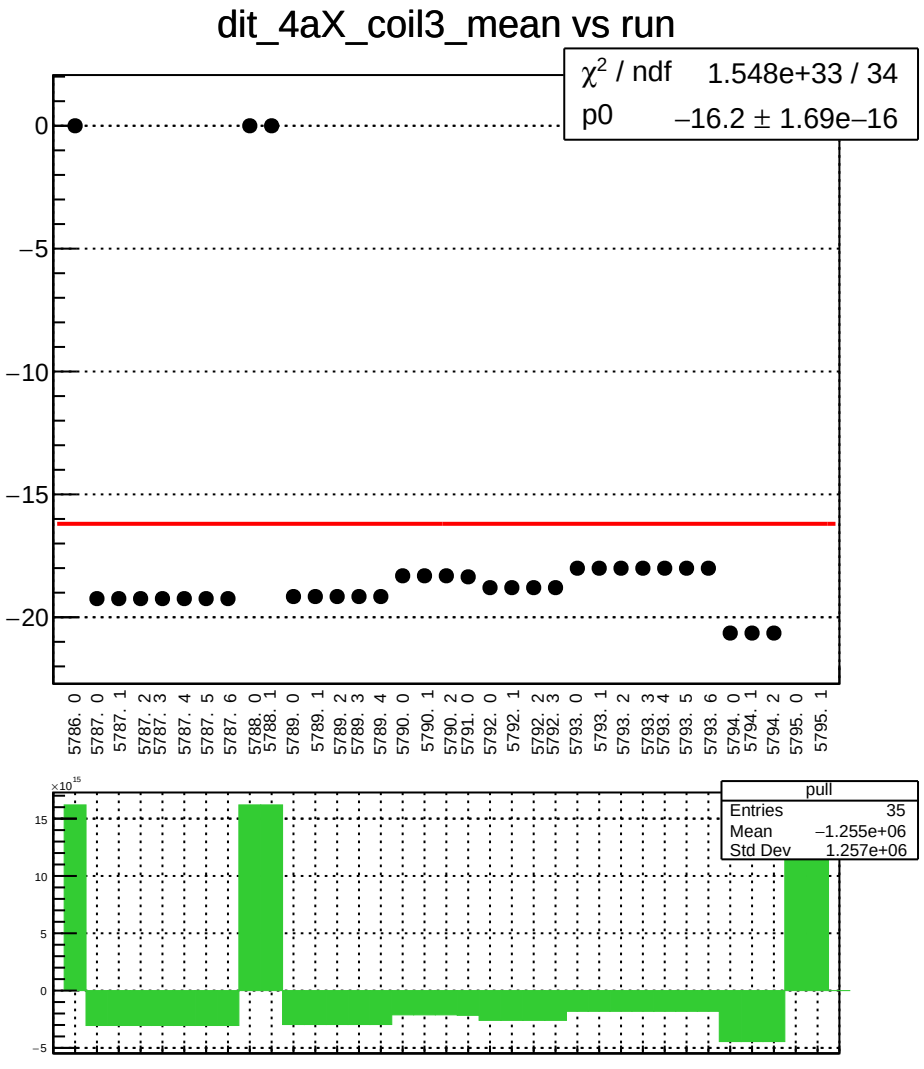

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

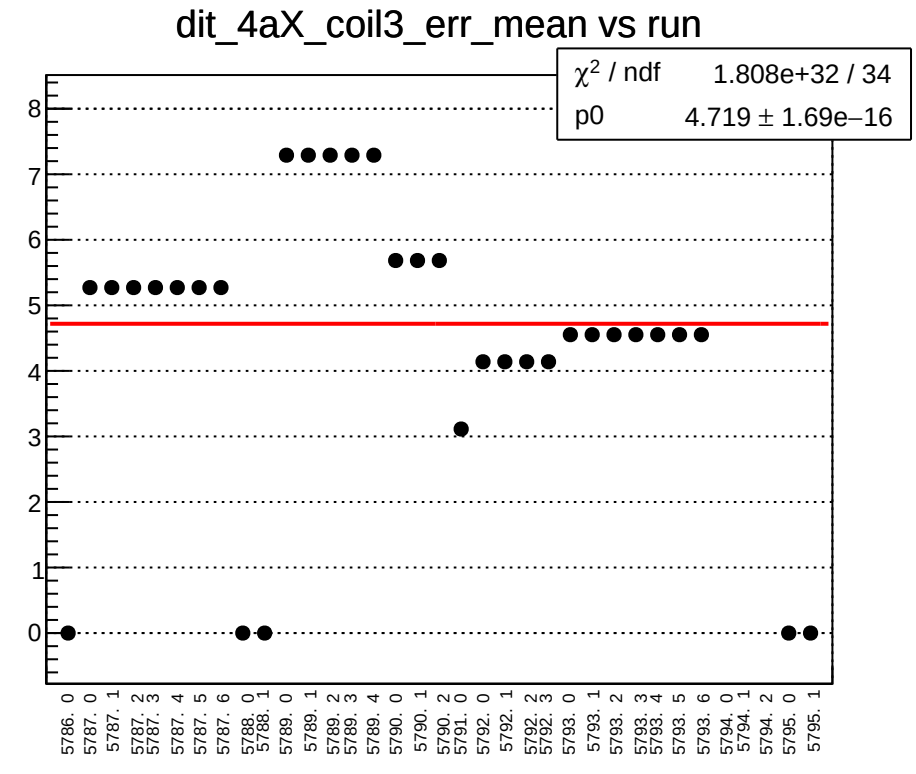

dit_sam8_coil1_mean vs run
χ² / ndf 2.639e+37 / 34
p0 2064 ± 1.69e−16
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
500
0
−500
−1000
−1500
−2000
pull
Entries 35
Mean −1.733e+08
Std Dev 1.733e+08

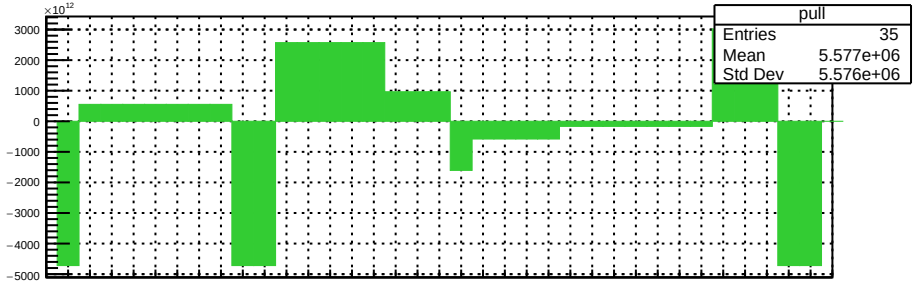

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

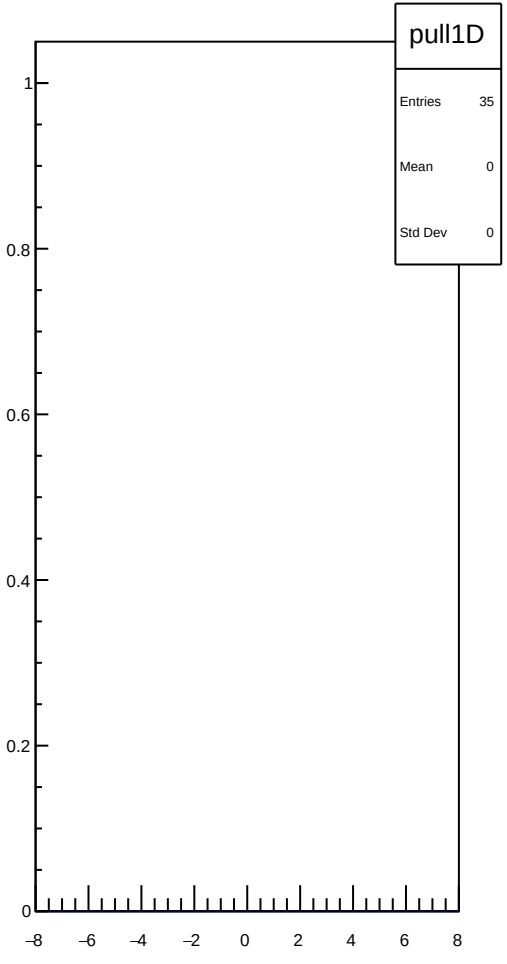

dit_sam8_coil1_err_mean vs run
χ² / ndf 3.912e+35 / 34
p0 82.51± 1.69e–16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
−50
pull
Entries 35
Mean 1.853e+09
Std Dev 1.853e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

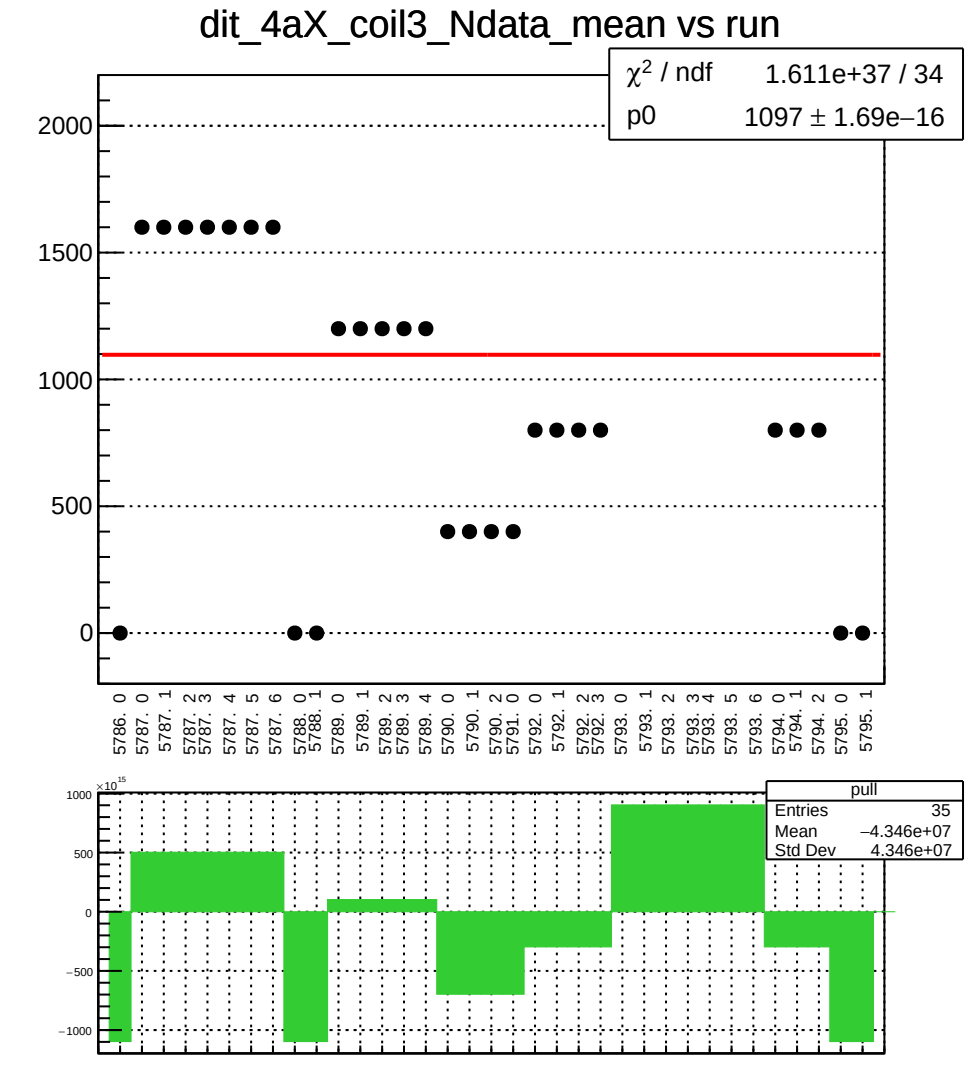

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1017 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.091e+08
Std Dev 4.091e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

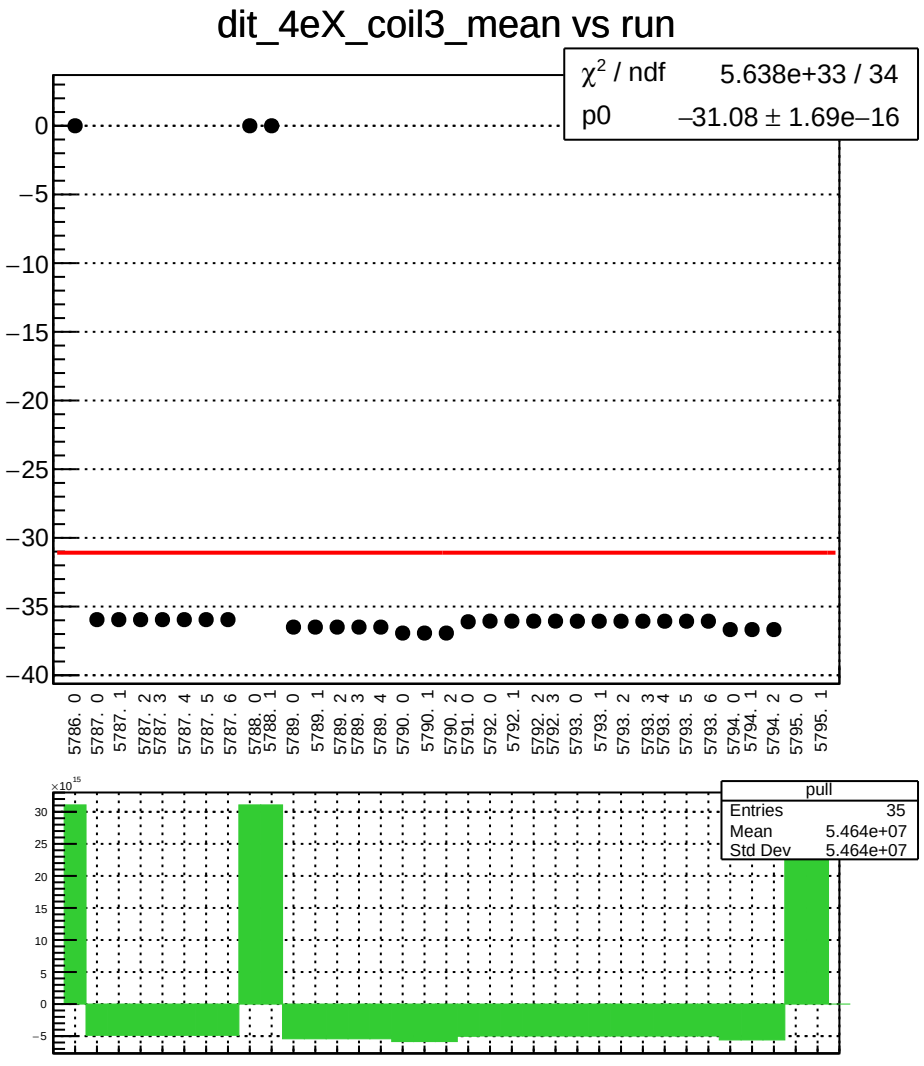

dit_4aX_coil3_mean vs run
χ² / ndf 1.548e+33 / 34
p0 −16.2 ± 1.69e−16
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
15
10
5
0
−5
pull
Entries 35
Mean −1.255e+06
Std Dev 1.257e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

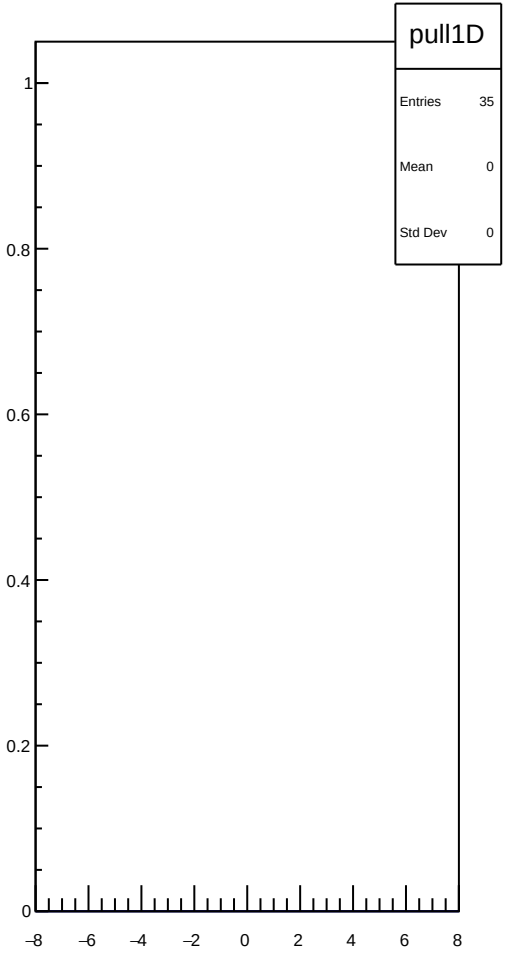

dit_4aX_coil3_err_mean vs run
χ² / ndf 1.808e+32 / 34
p0 4.719 ± 1.69e−16
8
7
6
5
4
3
2
1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

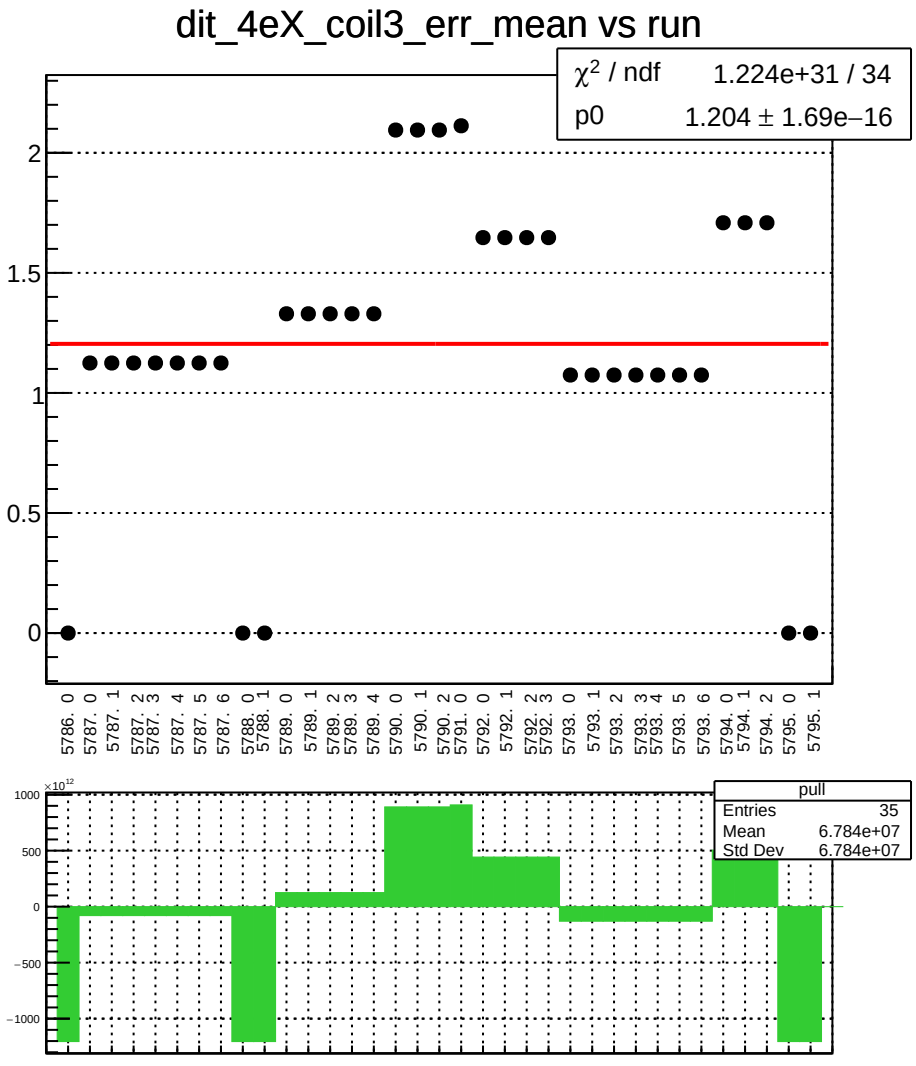

×10¹²
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 35
Mean 5.577e+06
Std Dev 5.576e+06

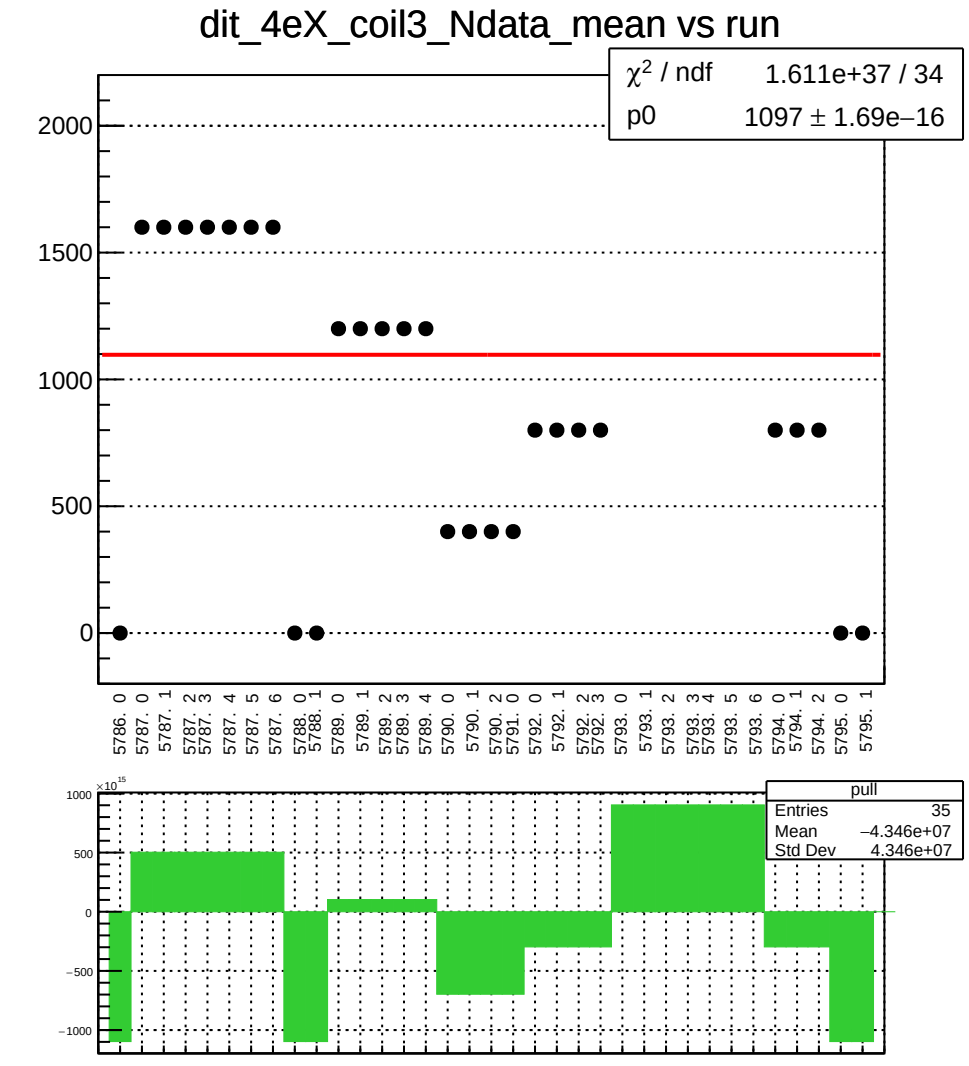

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

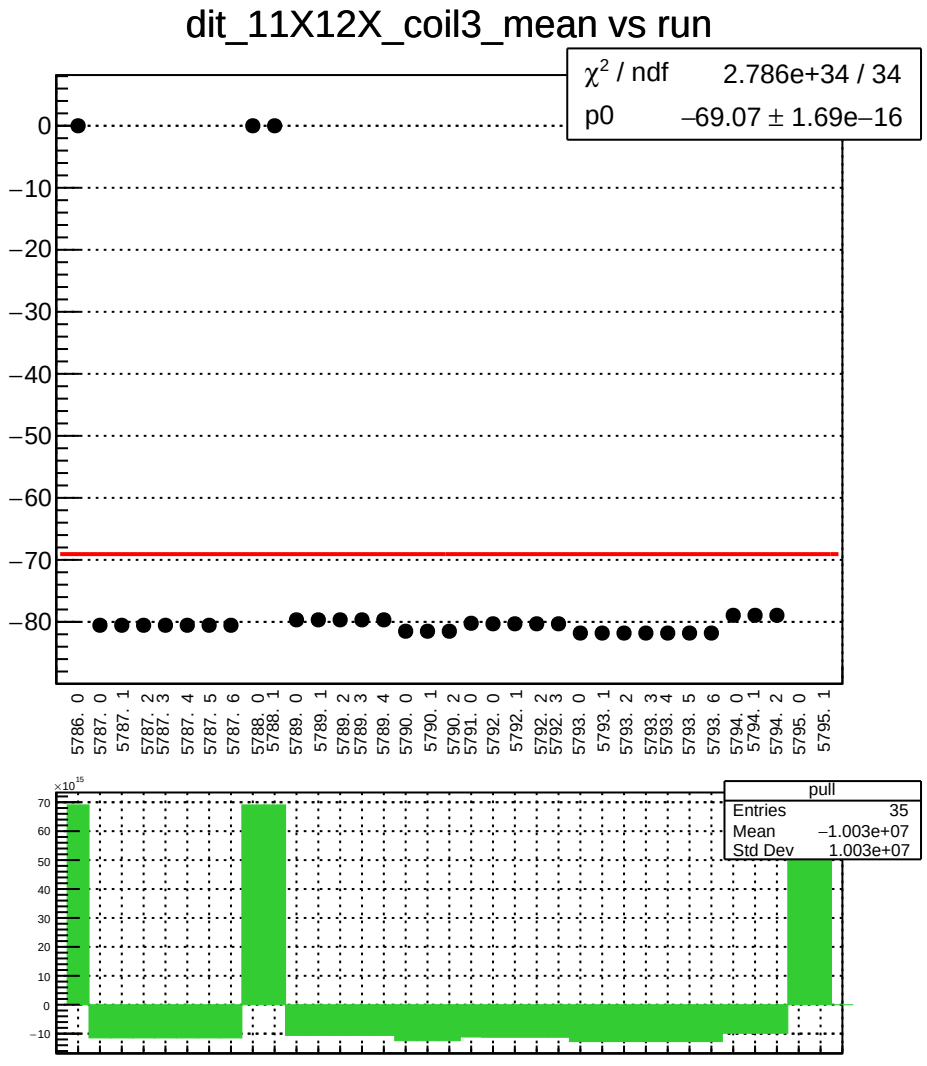

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

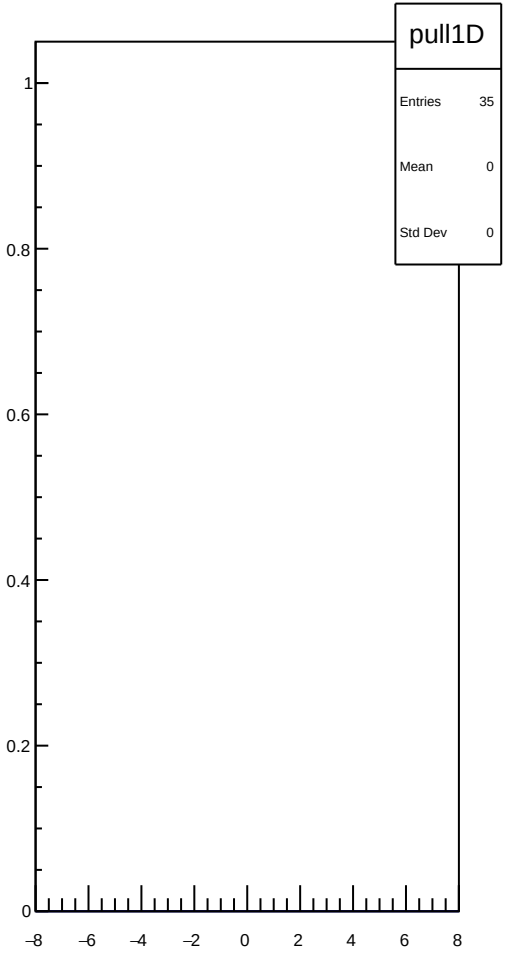

dit_4eX_coil3_mean vs run
χ² / ndf 5.638e+33 / 34
p0 –31.08 ± 1.69e–16
0
–5
–10
–15
–20
–25
–30
–35
–40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
30
25
20
15
10
5
0
–5
pull
Entries 35
Mean 5.464e+07
Std Dev 5.464e+07

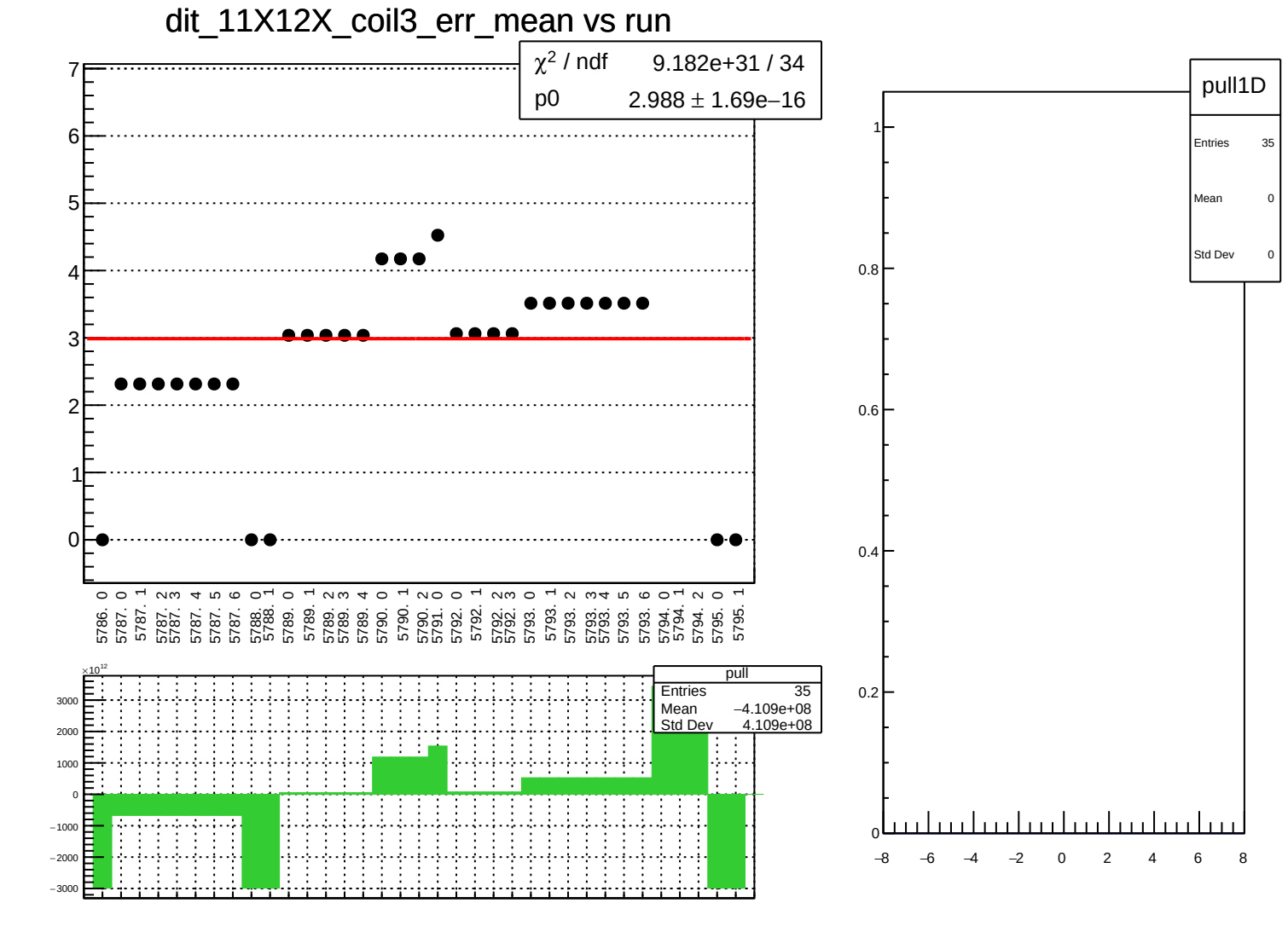

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

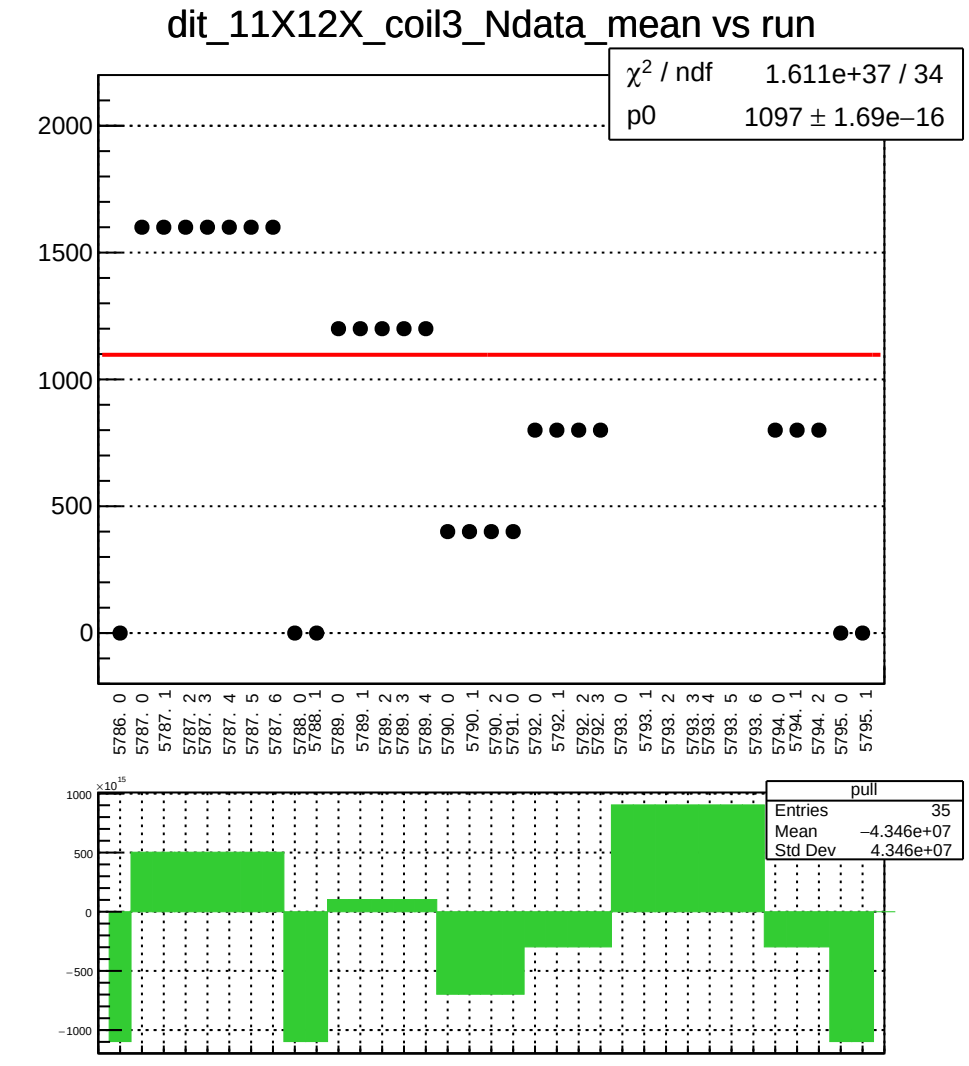

dit_4eX_coil3_err_mean vs run
χ² / ndf 1.224e+31 / 34
p0 1.204 ± 1.69e−16
2
1.5
1
0.5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1000
500
0
−500
−1000
pull
Entries 35
Mean 6.784e+07
Std Dev 6.784e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

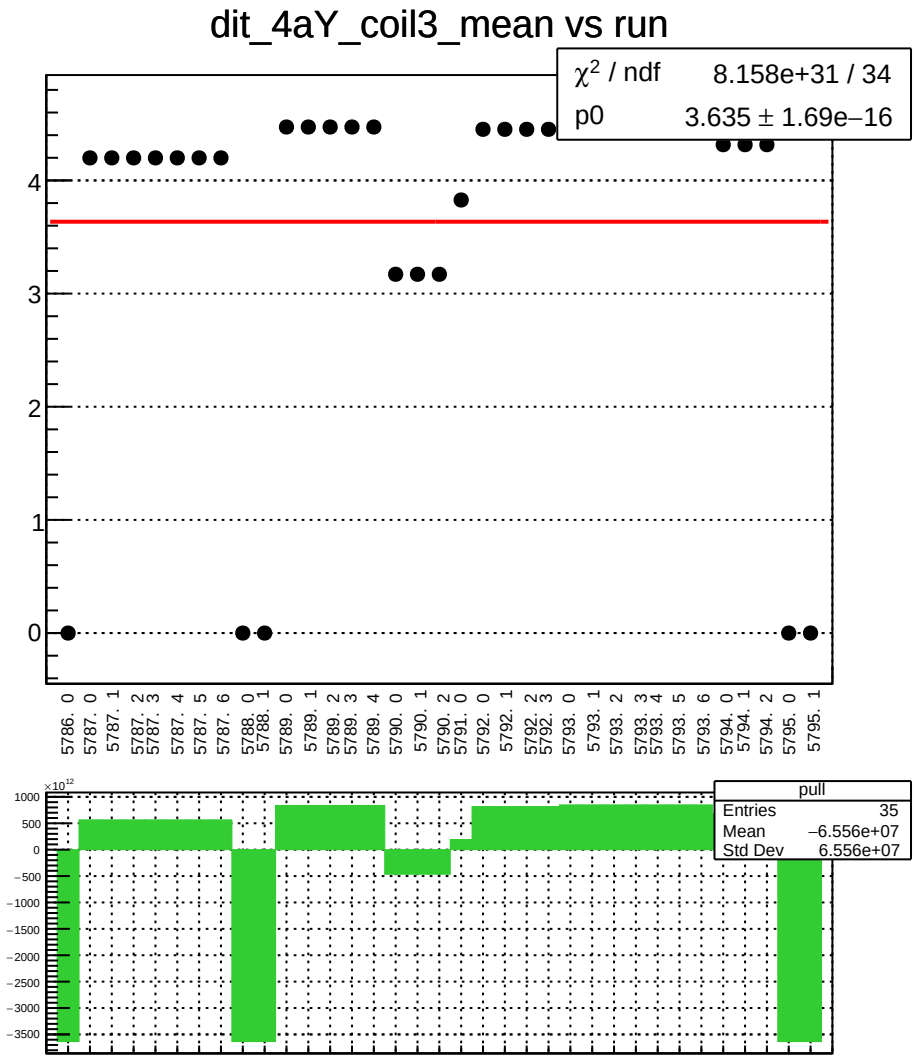

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

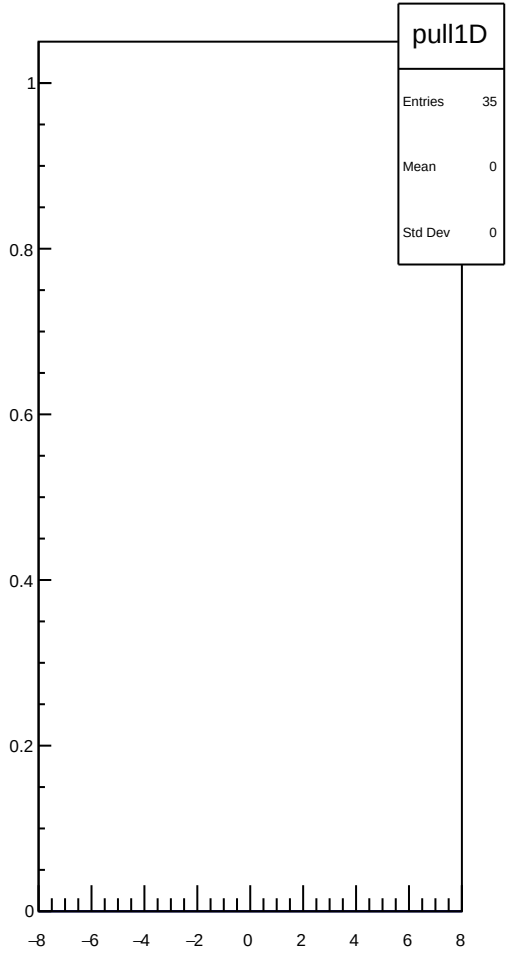

dit_11X12X_coil3_mean vs run
χ² / ndf 2.786e+34 / 34
p0 –69.07 ± 1.69e–16
0
−10
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
70
60
50
40
30
20
10
0
−10
pull
Entries 35
Mean –1.003e+07
Std Dev 1.003e+07

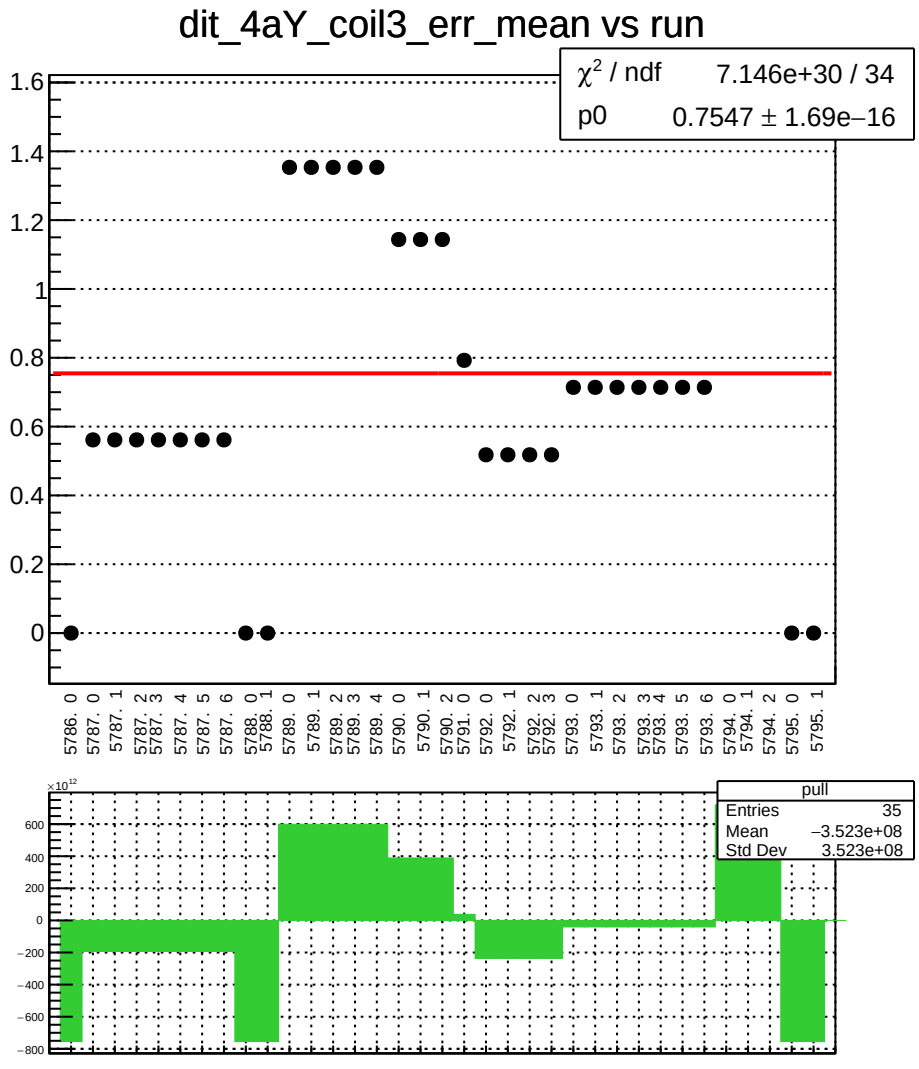

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

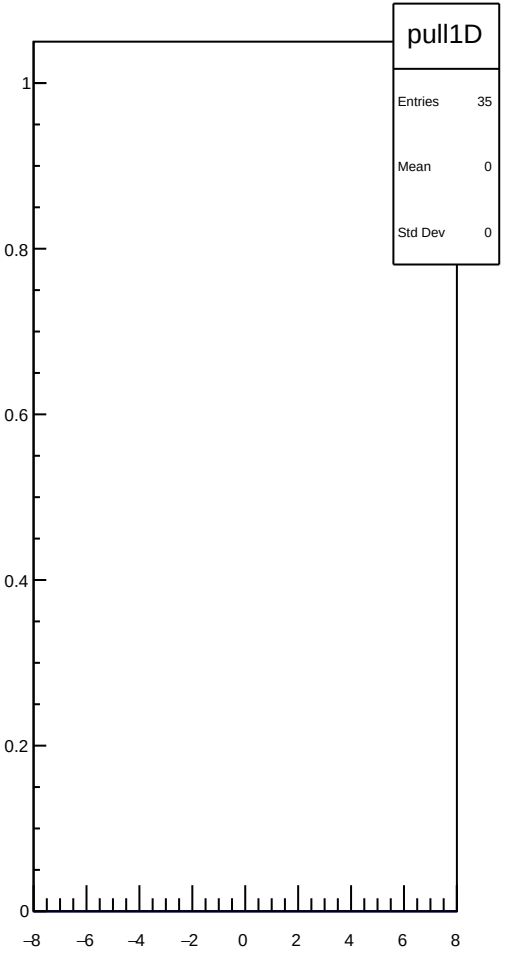

dit_11X12X_coil3_err_mean vs run
χ² / ndf 9.182e+31 / 34
p0 2.988 ± 1.69e−16
pull
Entries 35
Mean −4.109e+08
Std Dev 4.109e+08
pull1D
Entries 35
Mean 0
Std Dev 0

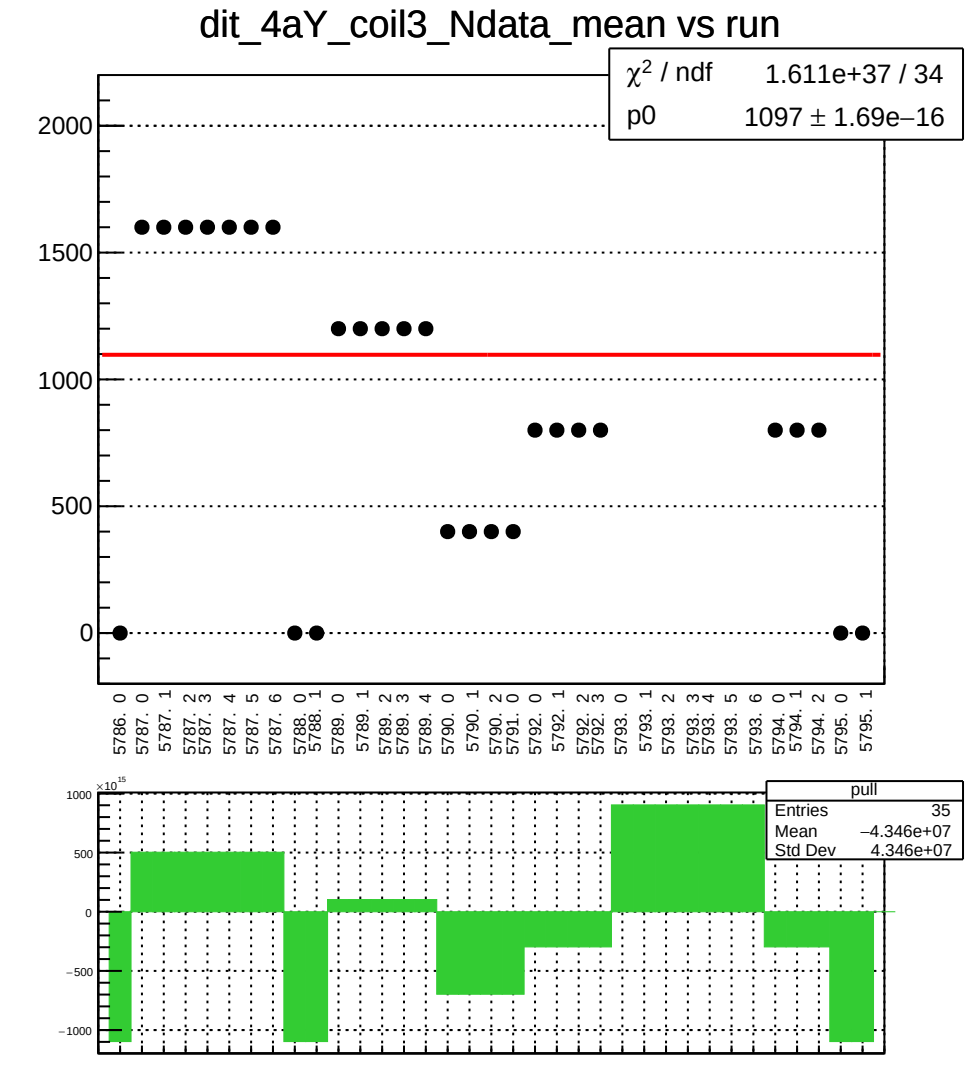

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

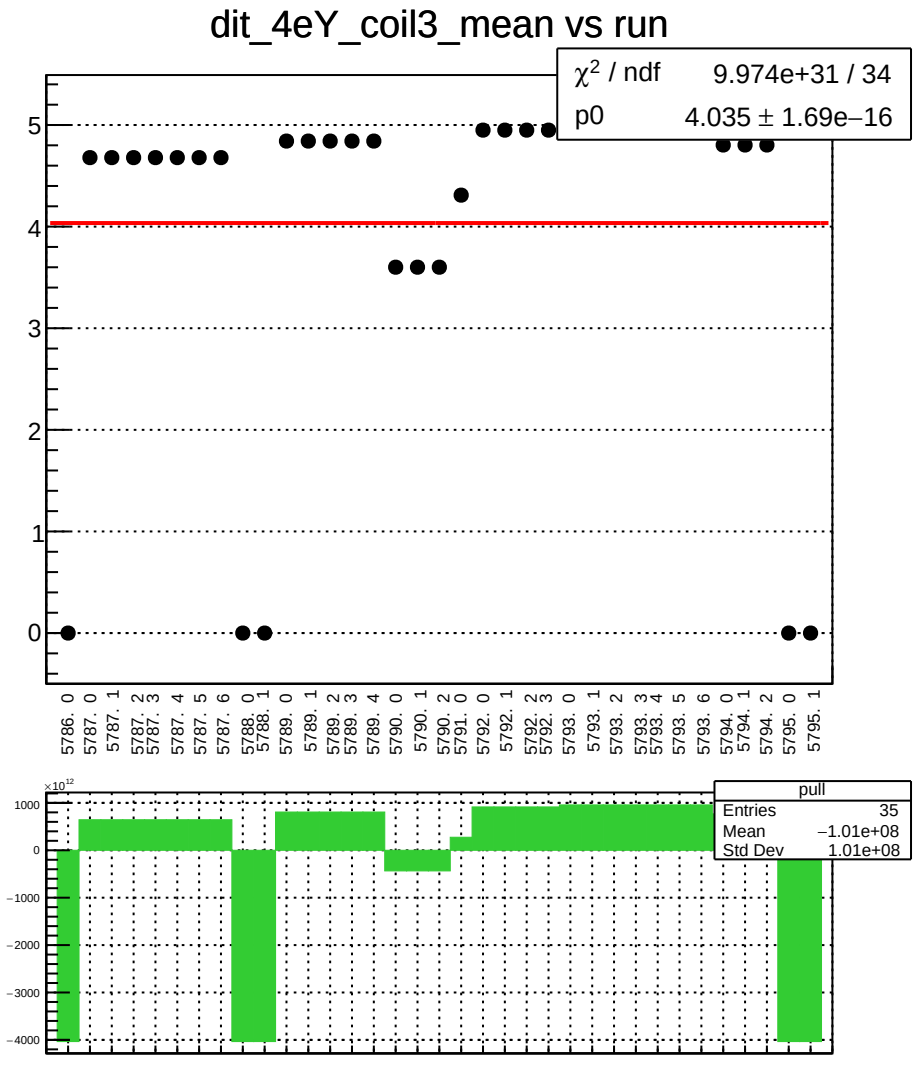

dit_4aY_coil3_mean vs run
χ² / ndf 8.158e+31 / 34
p0 3.635 ± 1.69e−16
pull
Entries 35
Mean −6.556e+07
Std Dev 6.556e+07

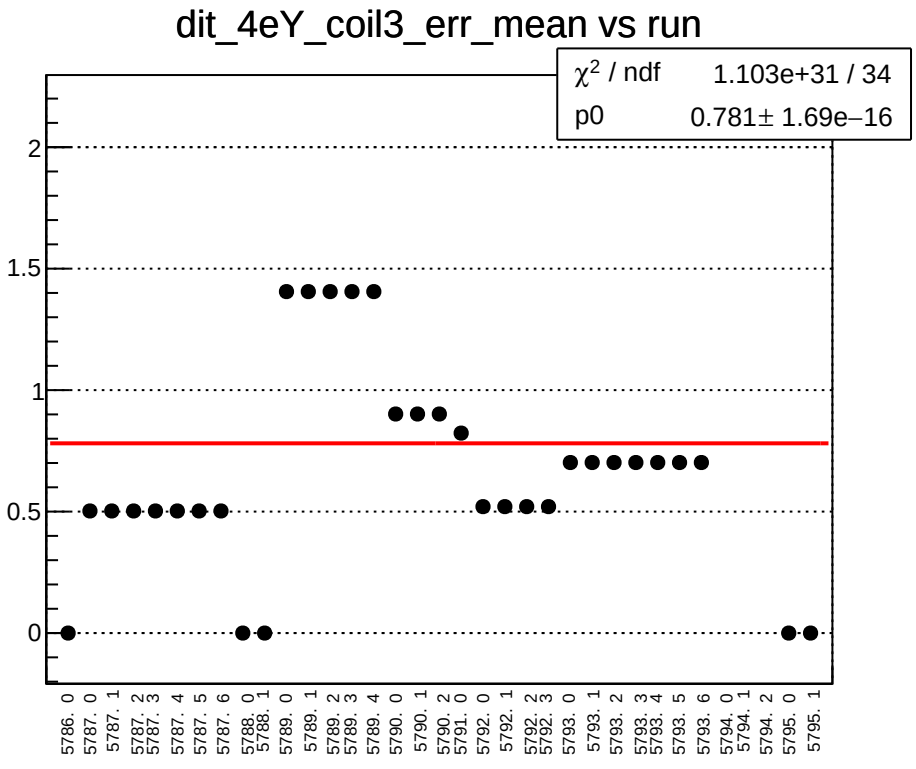

pull1D
Entries 35
Mean 0
Std Dev 0

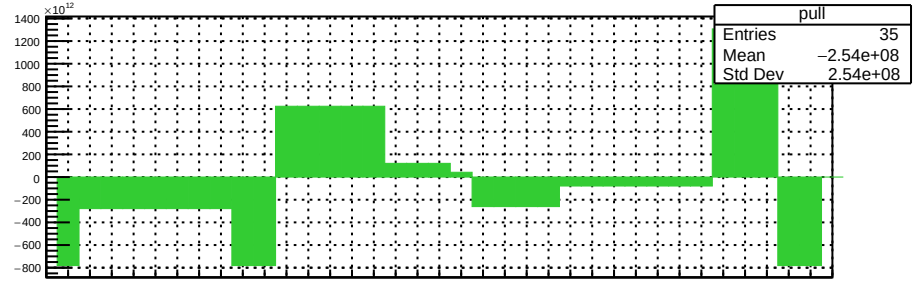

dit_4aY_coil3_err_mean vs run
χ² / ndf 7.146e+30 / 34
p0 0.7547 ± 1.69e−16
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −3.523e+08
Std Dev 3.523e+08

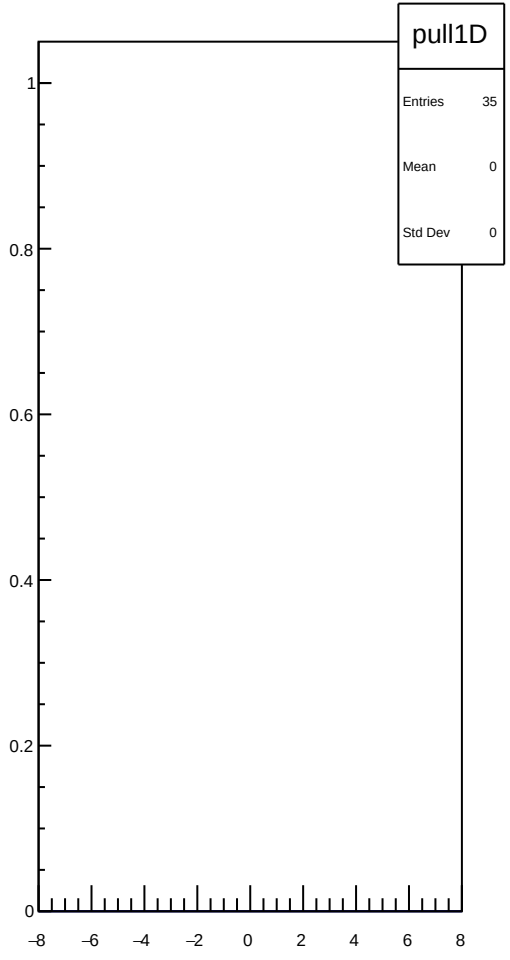

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

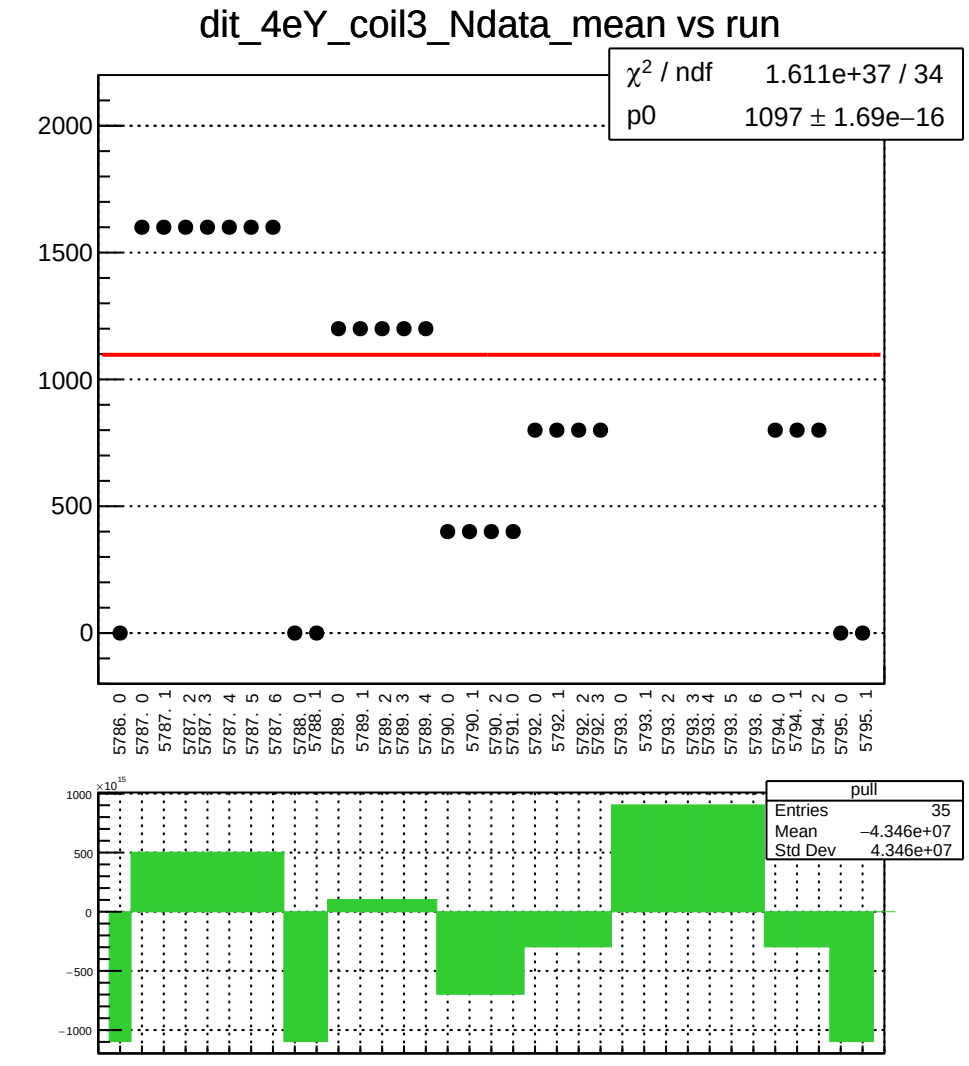

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

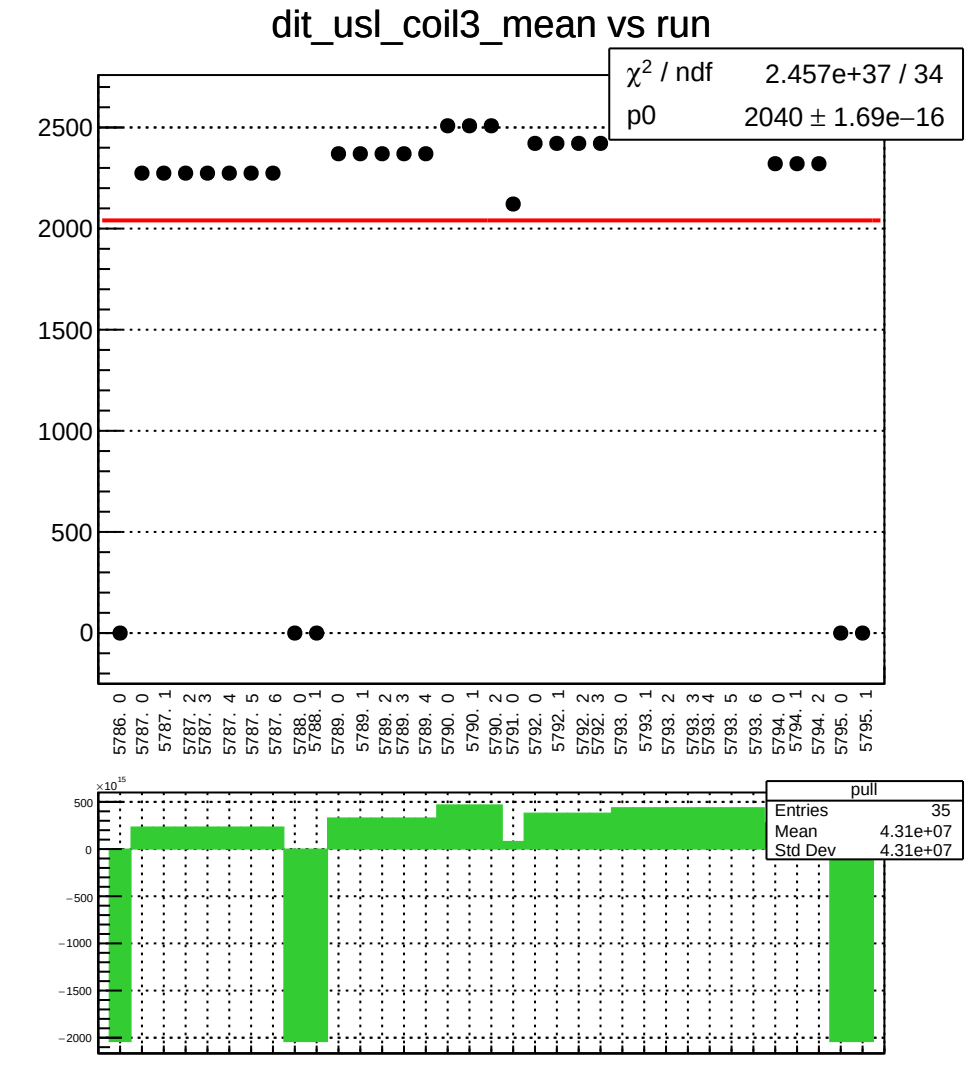

dit_4eY_coil3_mean vs run
χ² / ndf 9.974e+31 / 34
p0 4.035 ± 1.69e−16
0
1
2
3
4
5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −1.01e+08
Std Dev 1.01e+08
pull1D
Entries 35
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

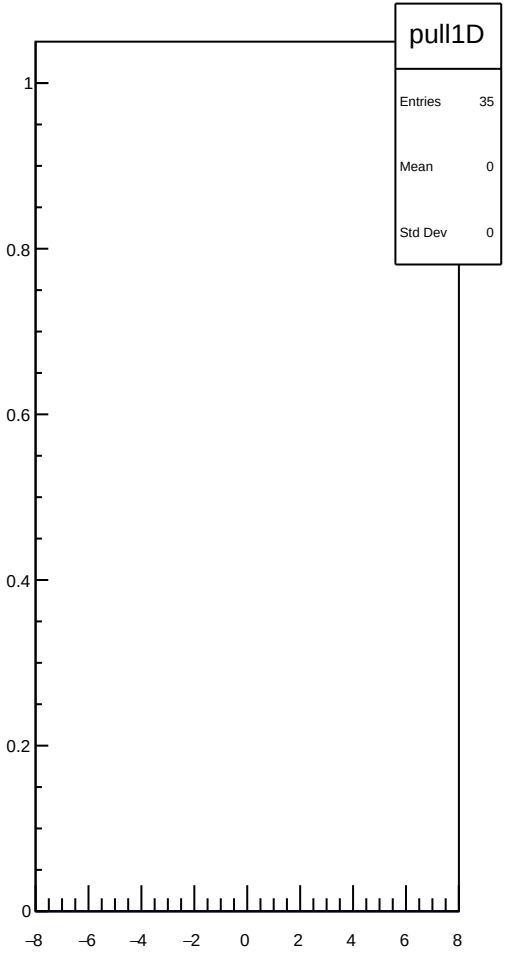

dit_4eY_coil3_err_mean vs run
χ² / ndf 1.103e+31 / 34
p0 0.781± 1.69e−16
2
1.5
1
0.5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

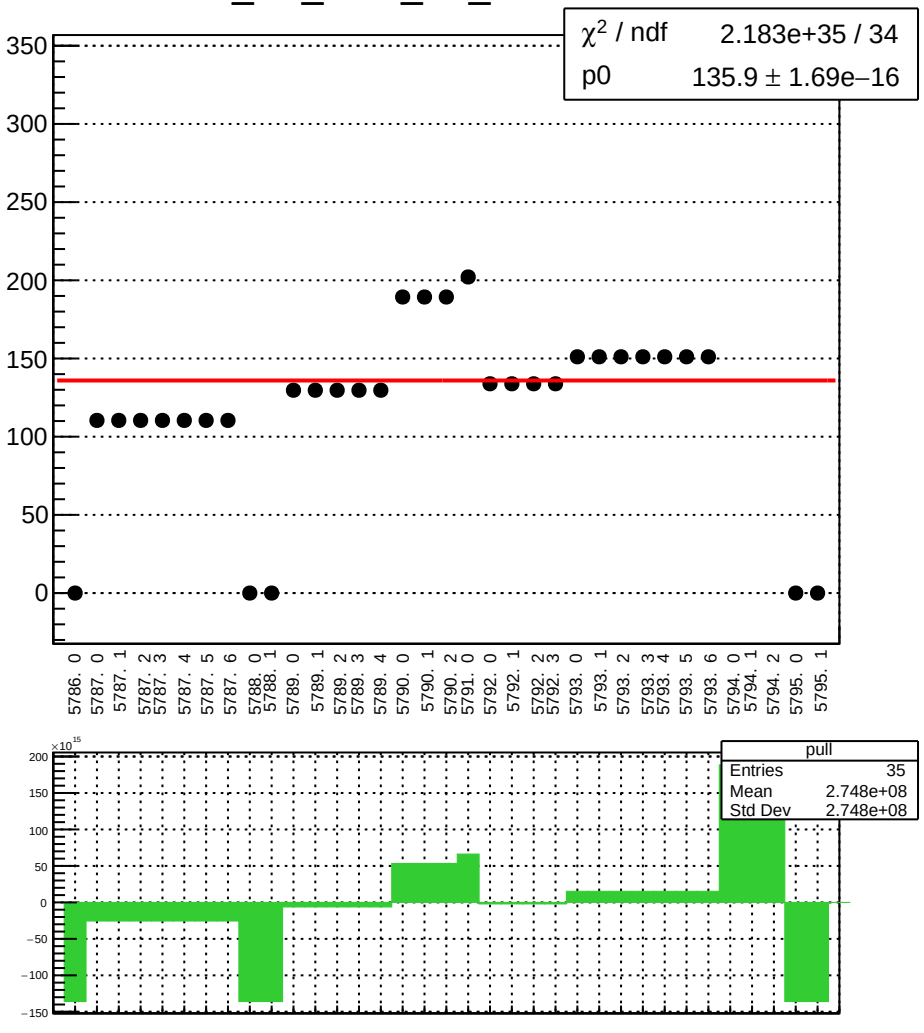

×10¹²
1400
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −2.54e+08
Std Dev 2.54e+08

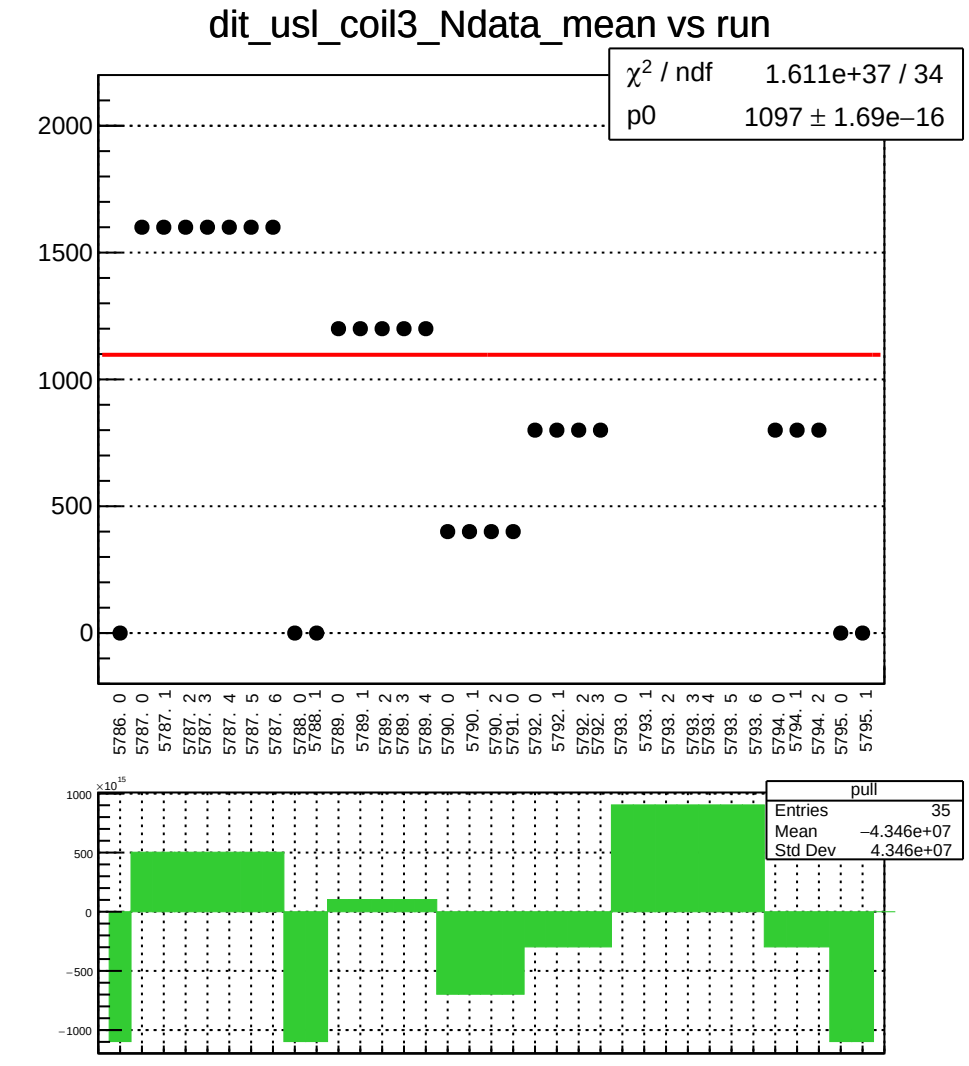

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

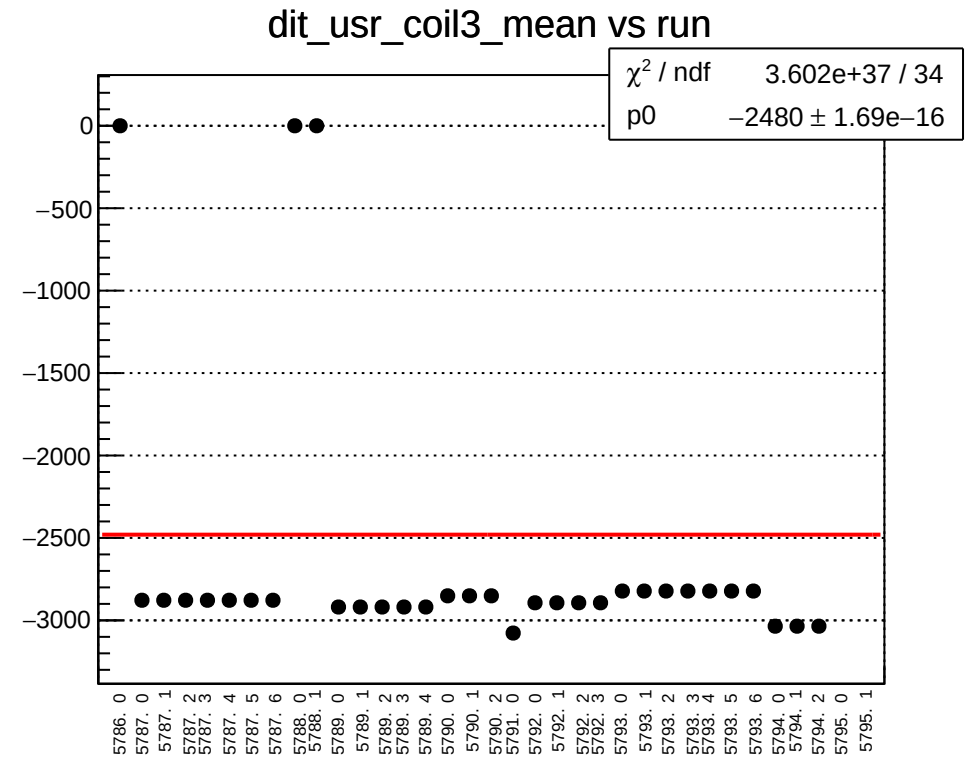

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

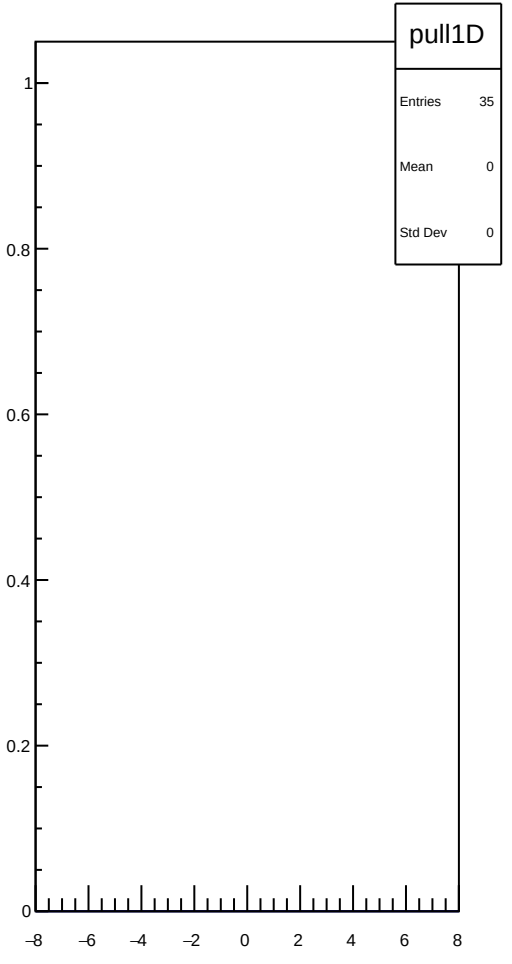

dit_usl_coil3_mean vs run
χ² / ndf 2.457e+37 / 34
p0 2040 ± 1.69e−16
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10^15
500
0
−500
−1000
−1500
−2000
pull
Entries 35
Mean 4.31e+07
Std Dev 4.31e+07

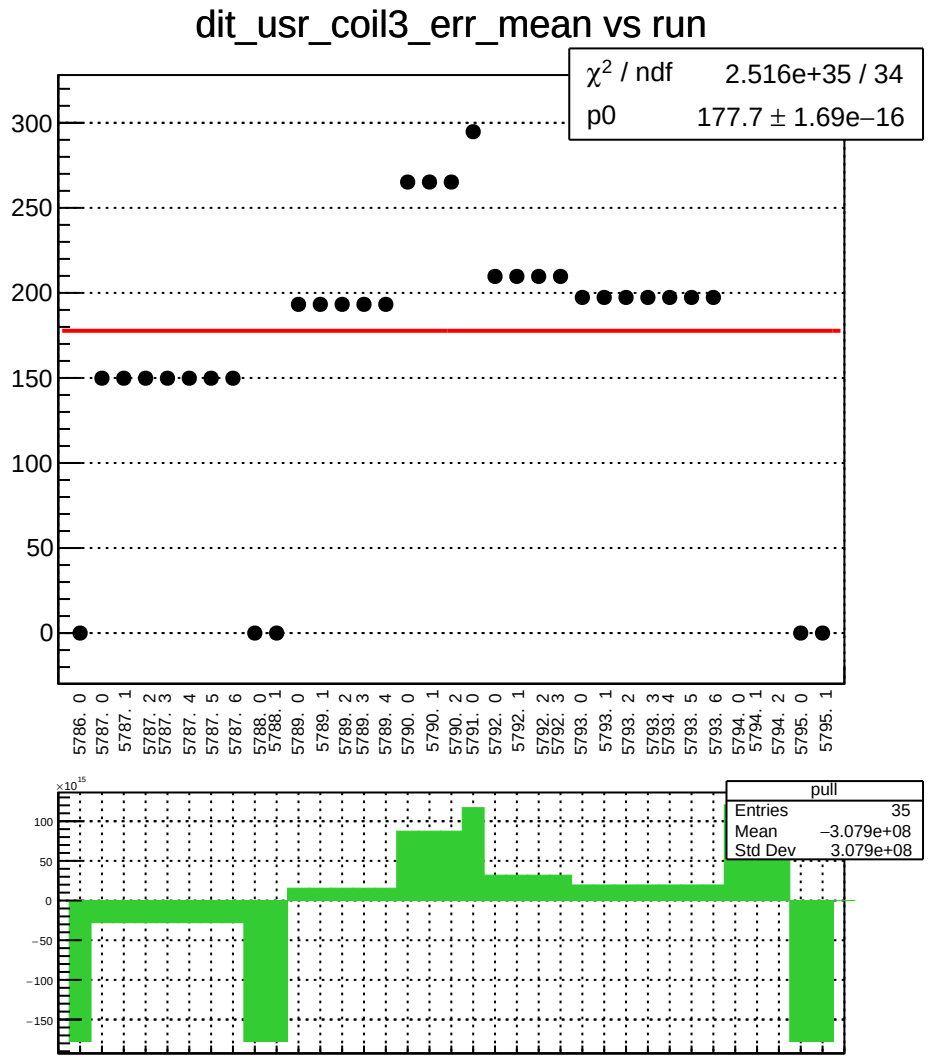

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

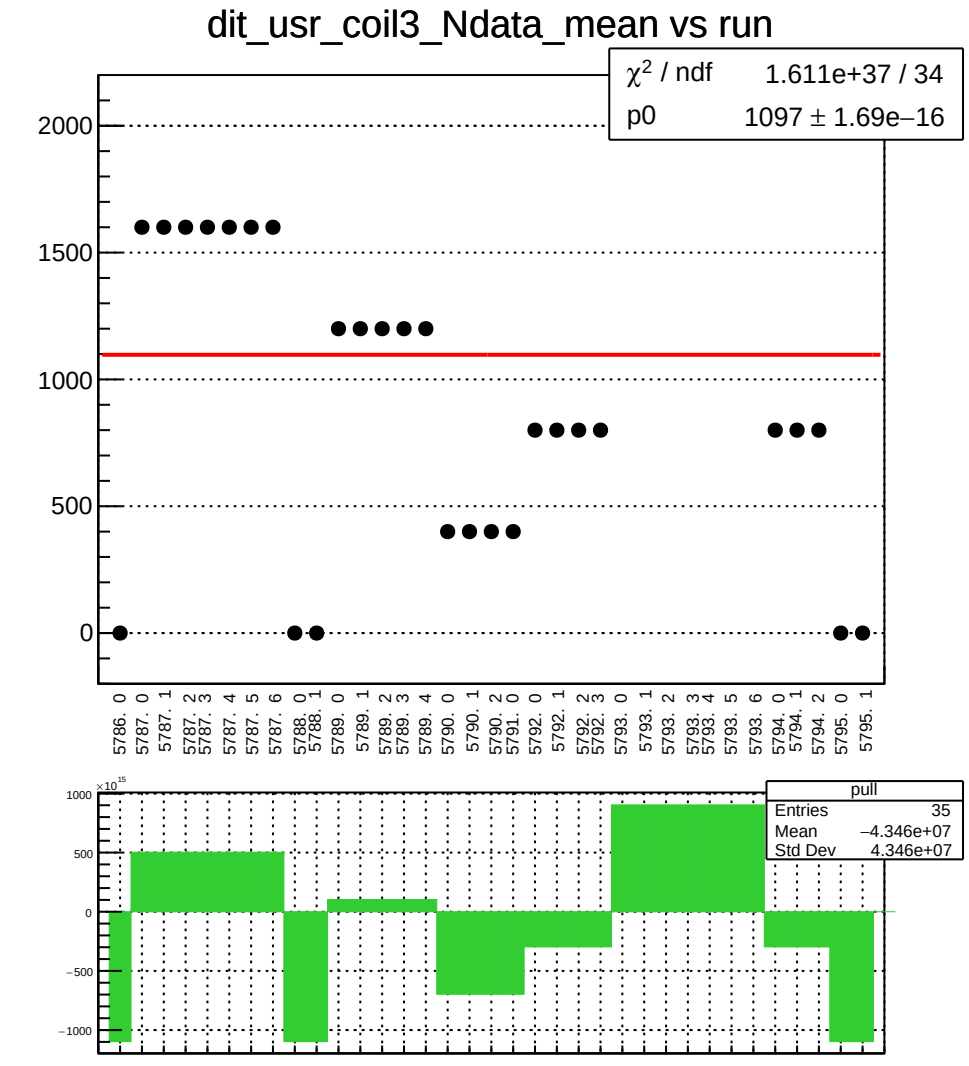

dit_usl_coil3_err_mean vs run
χ² / ndf 2.183e+35 / 34
p0 135.9 ± 1.69e−16
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull
Entries 35
Mean 2.748e+08
Std Dev 2.748e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

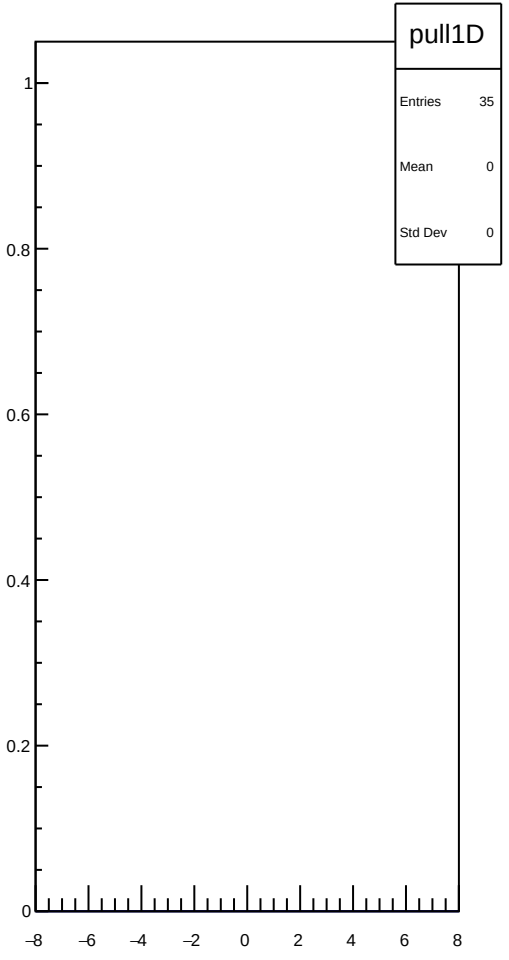

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

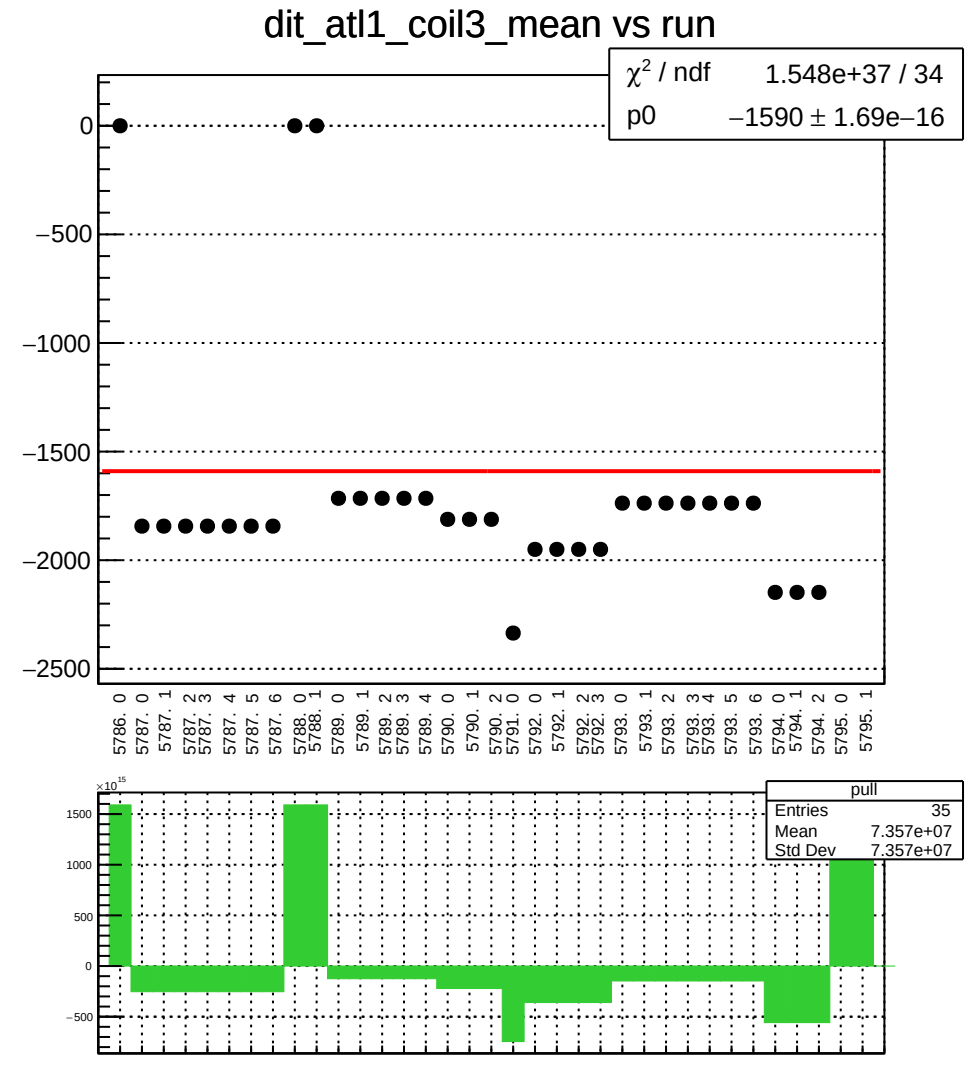

dit_usr_coil3_mean vs run
χ² / ndf 3.602e+37 / 34
p0 −2480 ± 1.69e−16
0
−500
−1000
−1500
−2000
−2500
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2500
2000
1500
1000
500
0
−500
pull
Entries 35
Mean 9.897e+06
Std Dev 9.897e+06

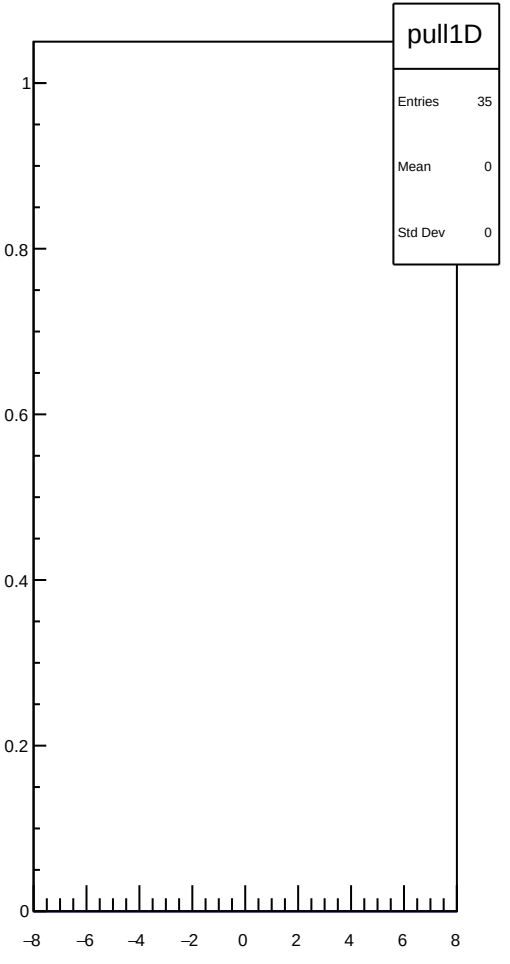

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

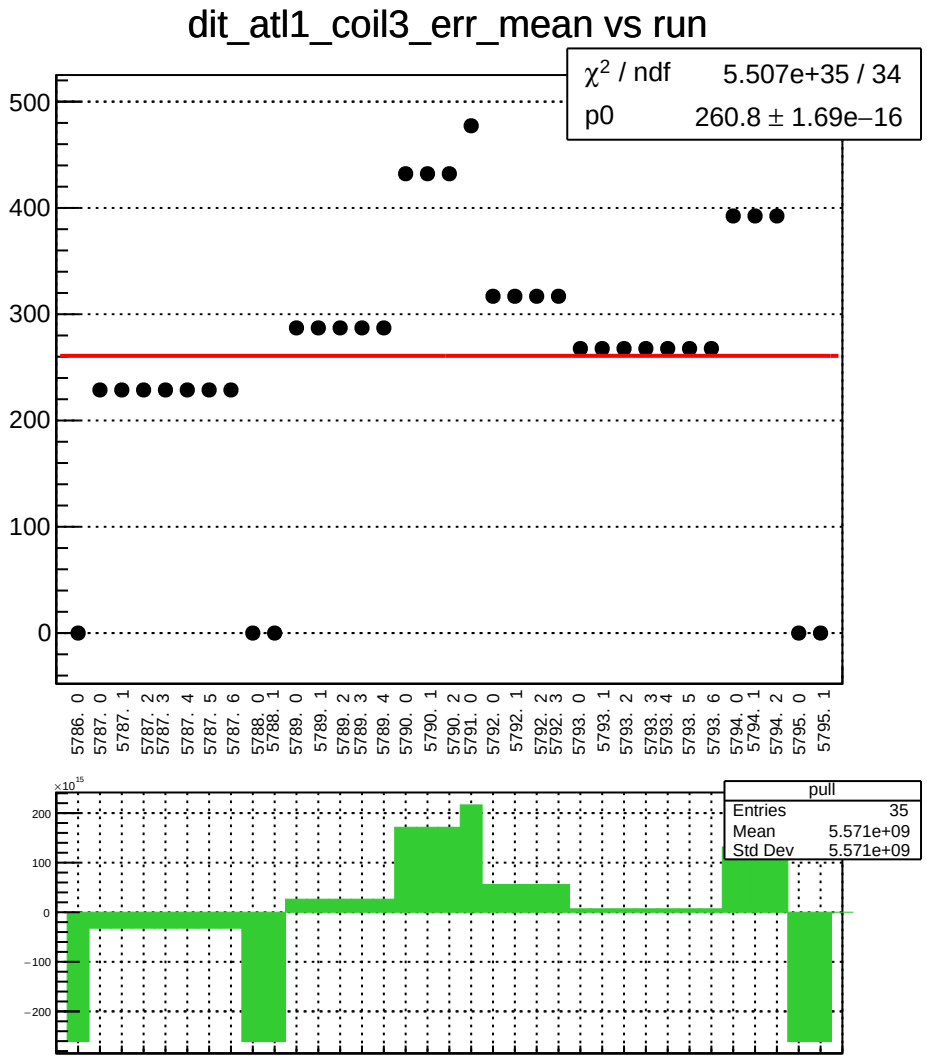

dit_usr_coil3_err_mean vs run
χ² / ndf 2.516e+35 / 34
p0 177.7 ± 1.69e−16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean −3.079e+08
Std Dev 3.079e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

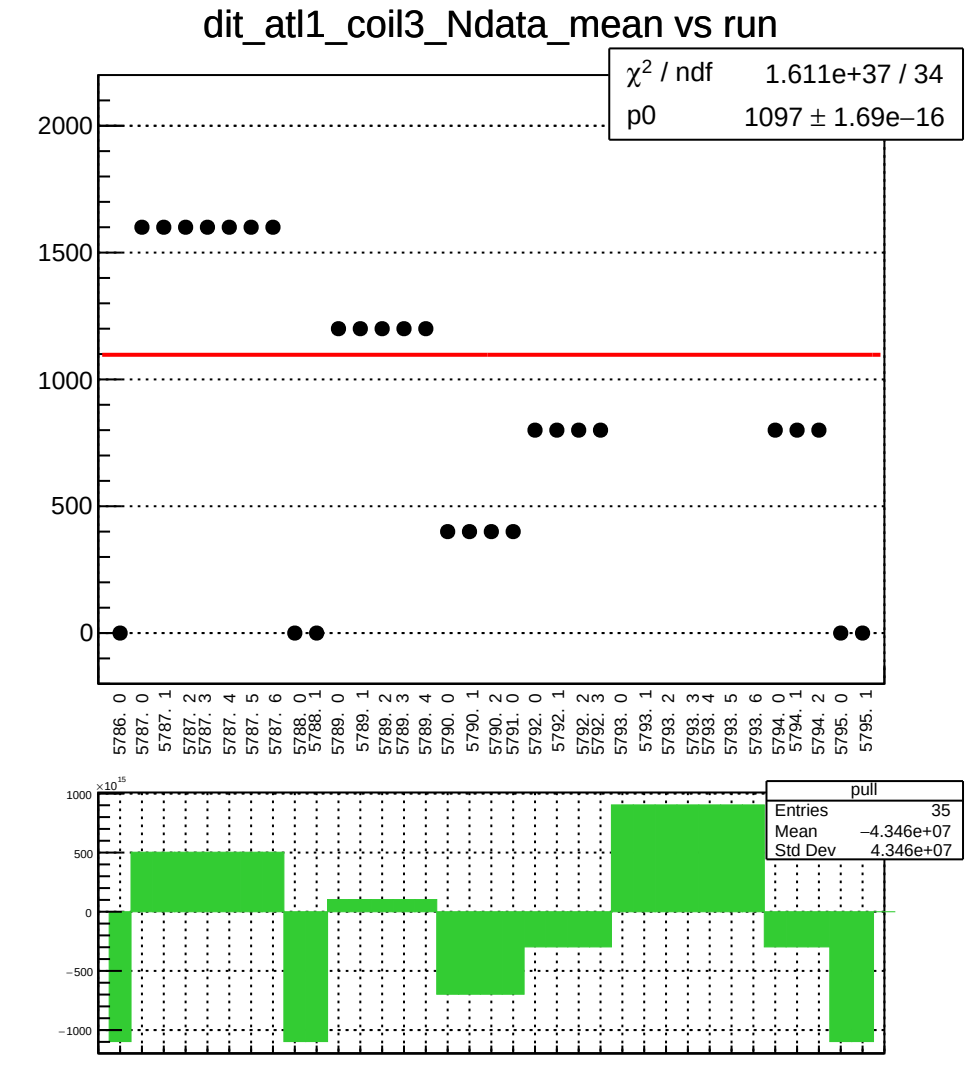

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07

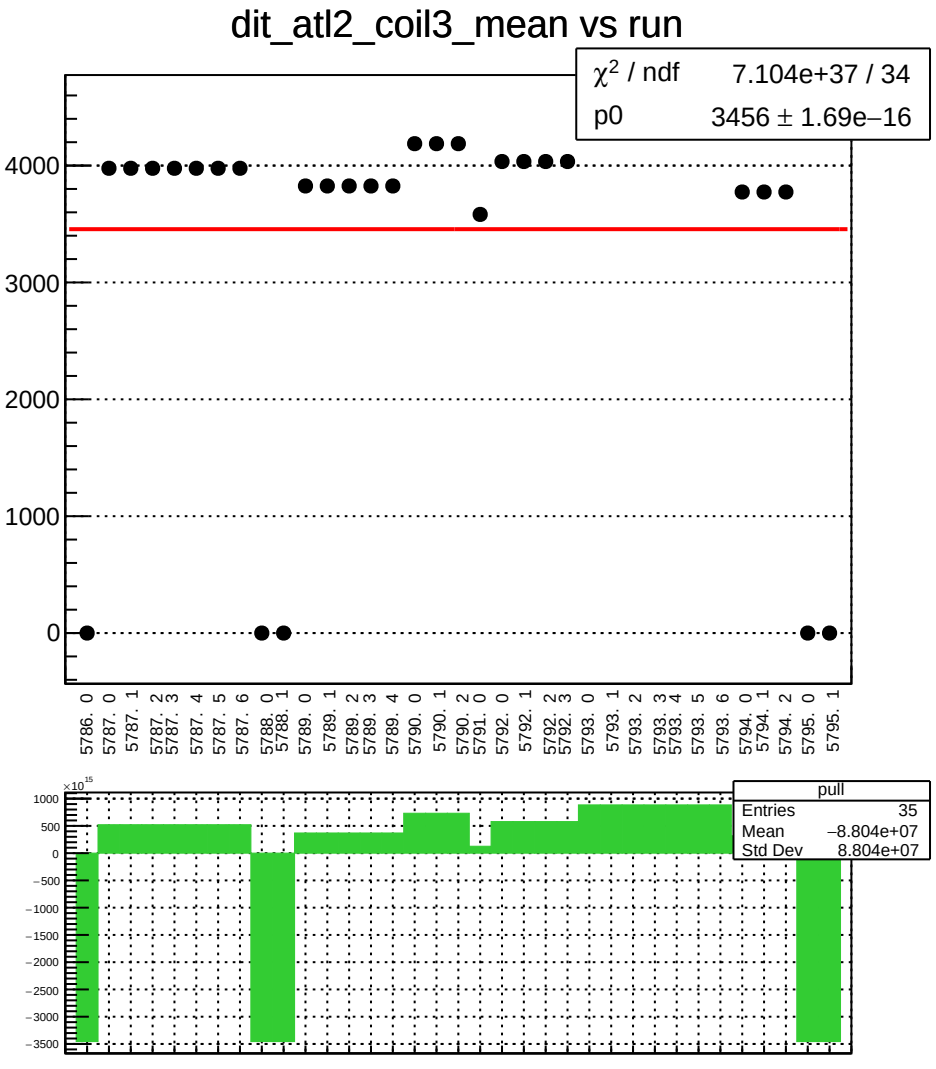

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

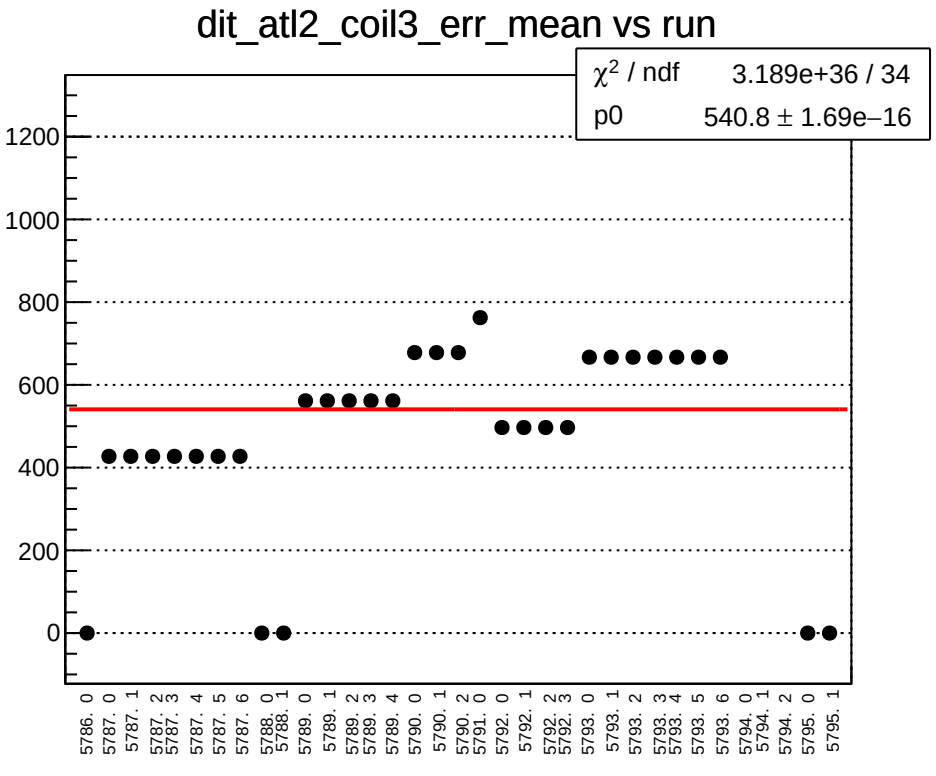

dit_atl1_coil3_mean vs run
χ² / ndf 1.548e+37 / 34
p0 −1590 ± 1.69e−16
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1500
1000
500
0
−500
pull
Entries 35
Mean 7.357e+07
Std Dev 7.357e+07

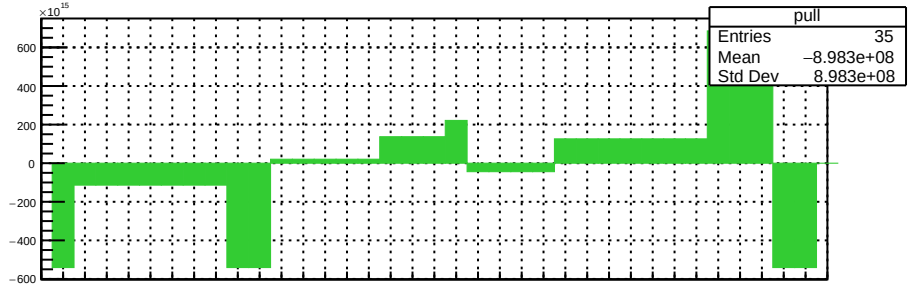

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

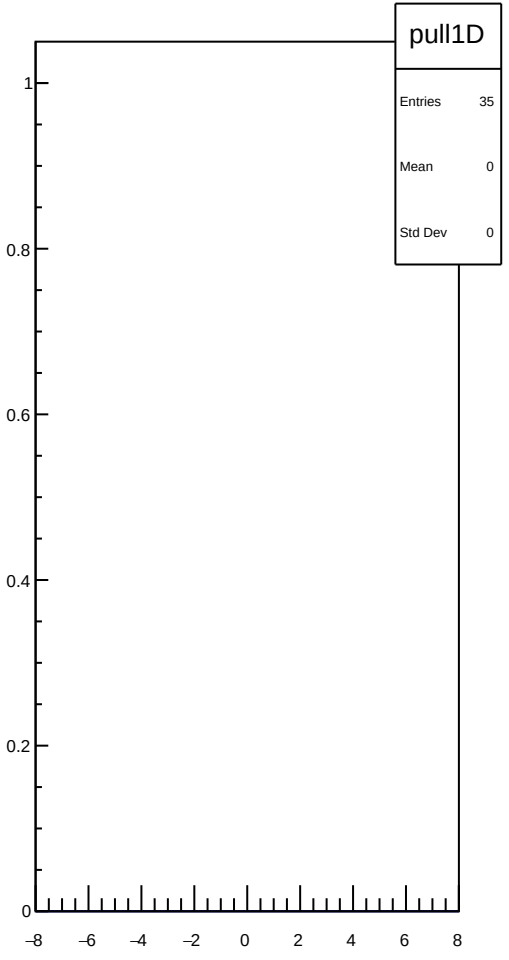

dit_atl1_coil3_err_mean vs run
χ² / ndf 5.507e+35 / 34
p0 260.8 ± 1.69e−16
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
pull
Entries 35
Mean 5.571e+09
Std Dev 5.571e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

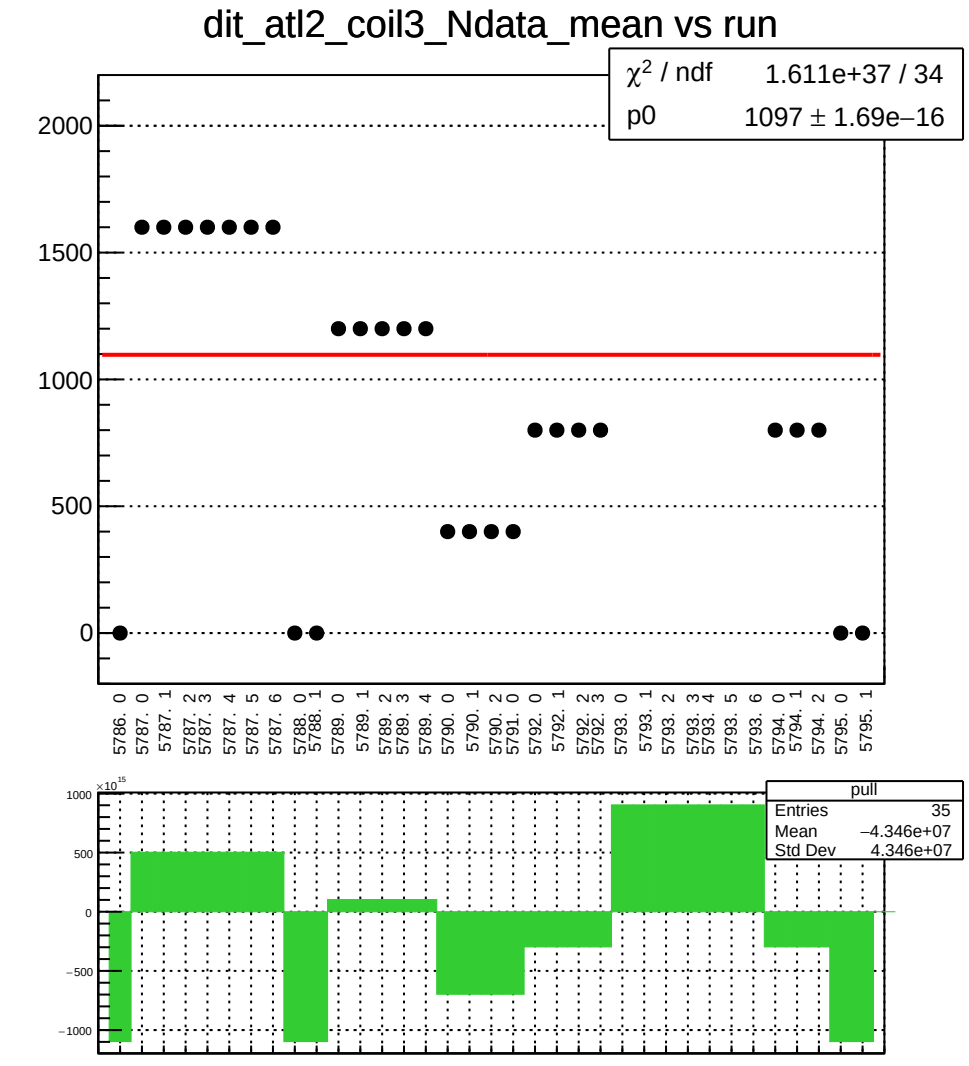

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

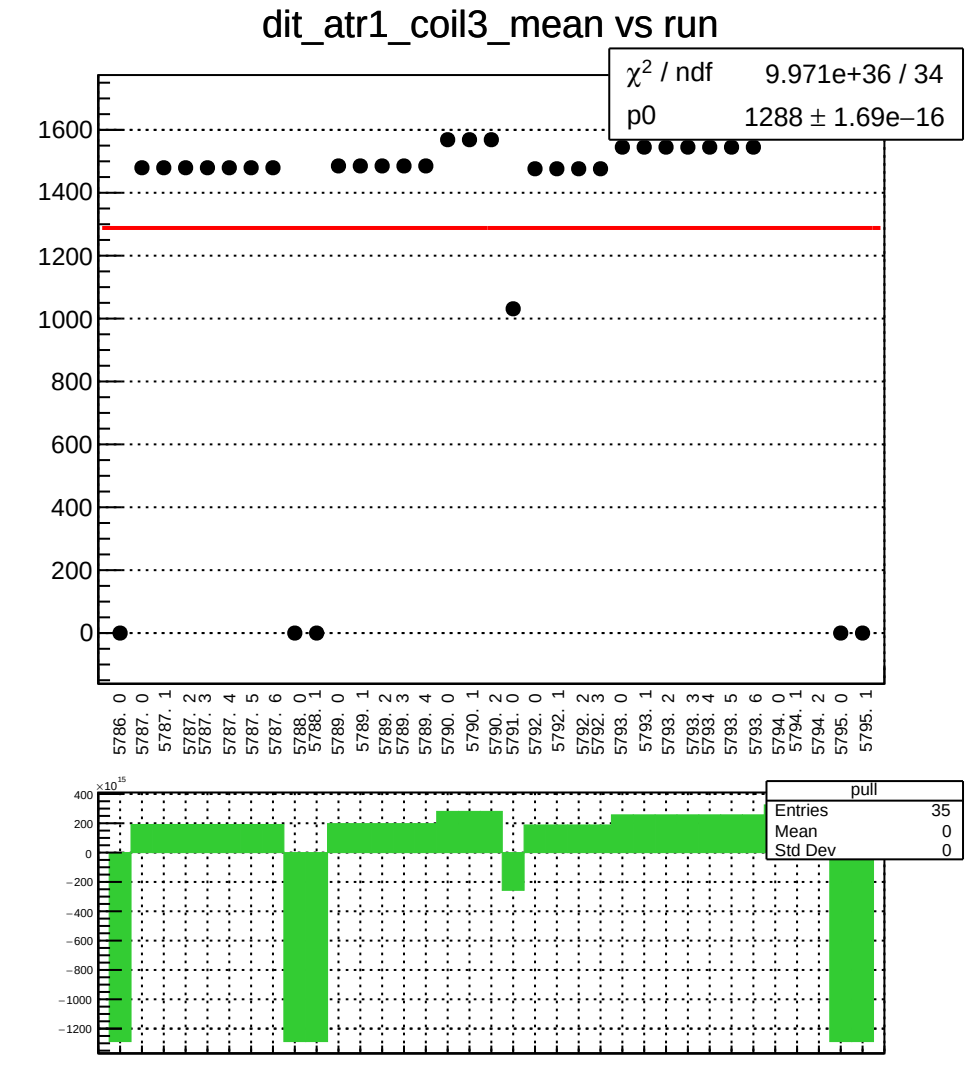

dit_atl2_coil3_mean vs run
χ² / ndf 7.104e+37 / 34
p0 3456 ± 1.69e−16
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 35
Mean −8.804e+07
Std Dev 8.804e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

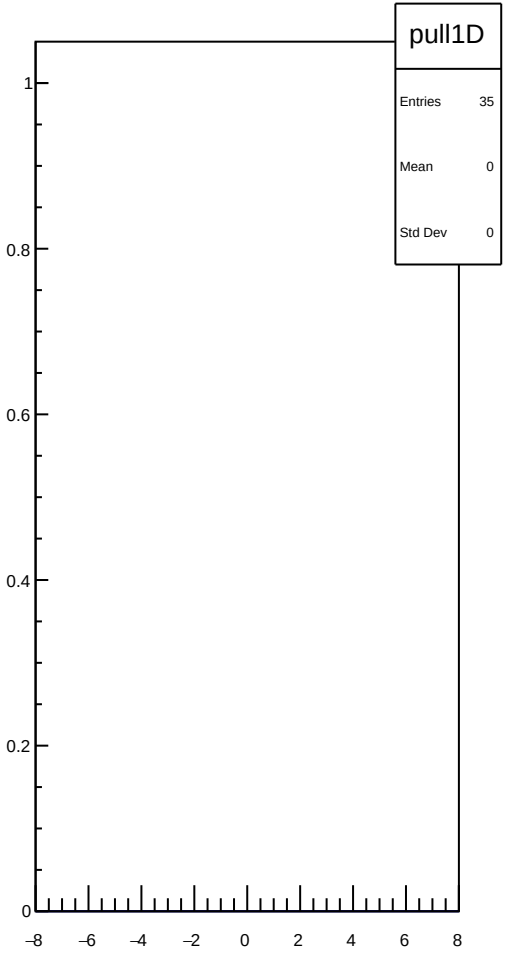

dit_atl2_coil3_err_mean vs run
χ² / ndf 3.189e+36 / 34
p0 540.8 ± 1.69e−16
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

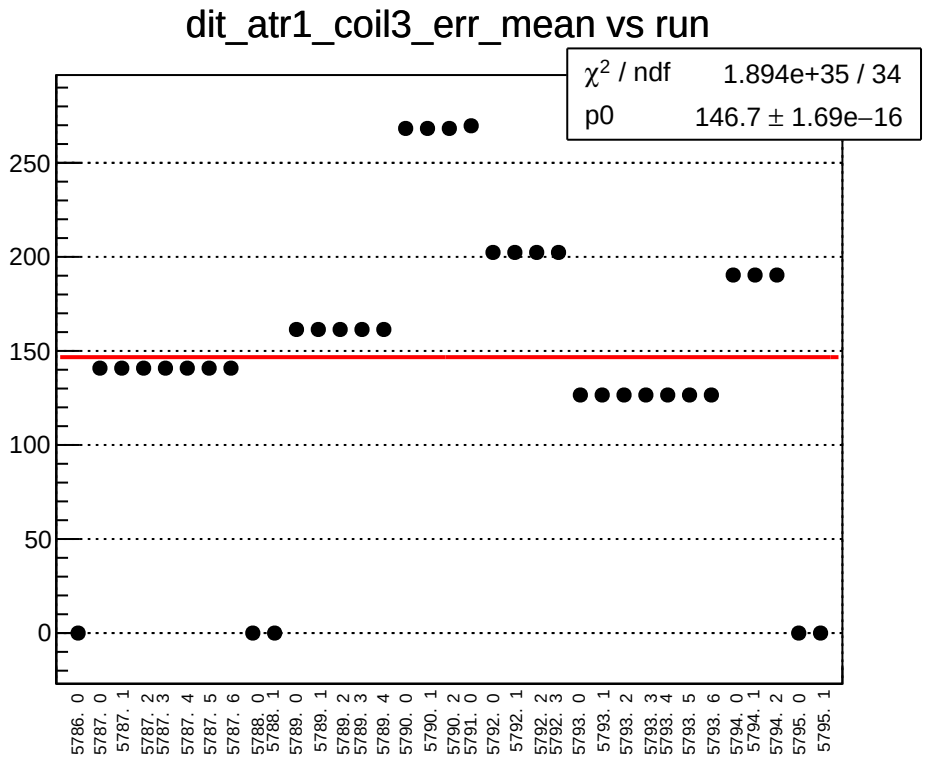

×10¹⁵
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean −8.983e+08
Std Dev 8.983e+08

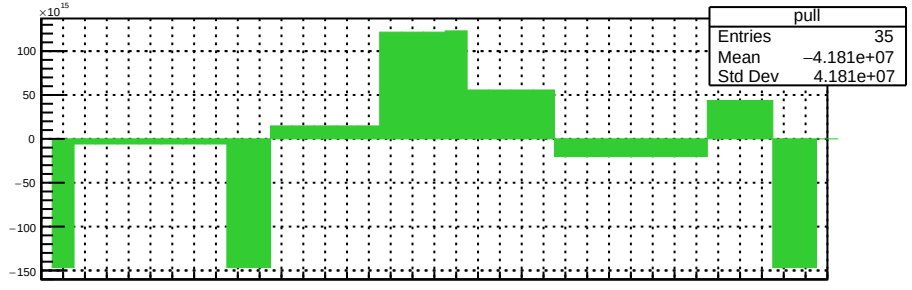

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

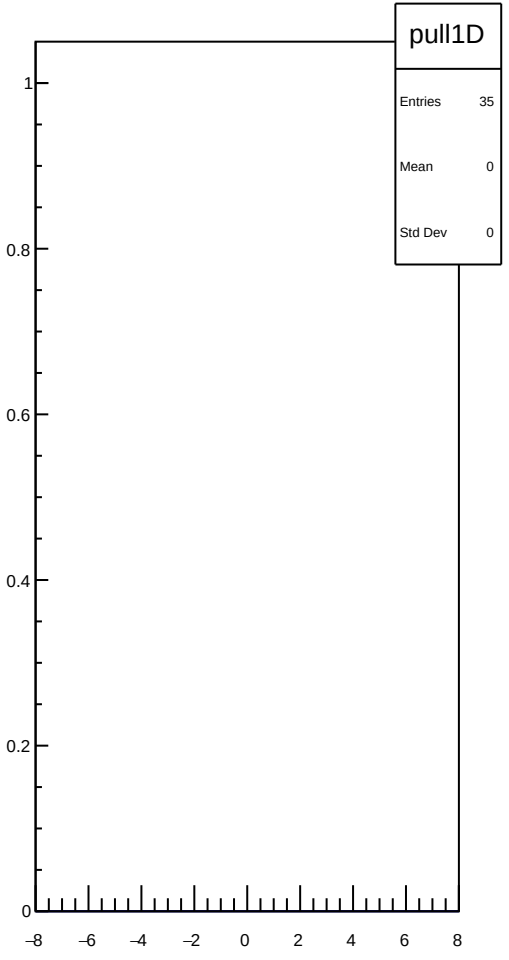

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

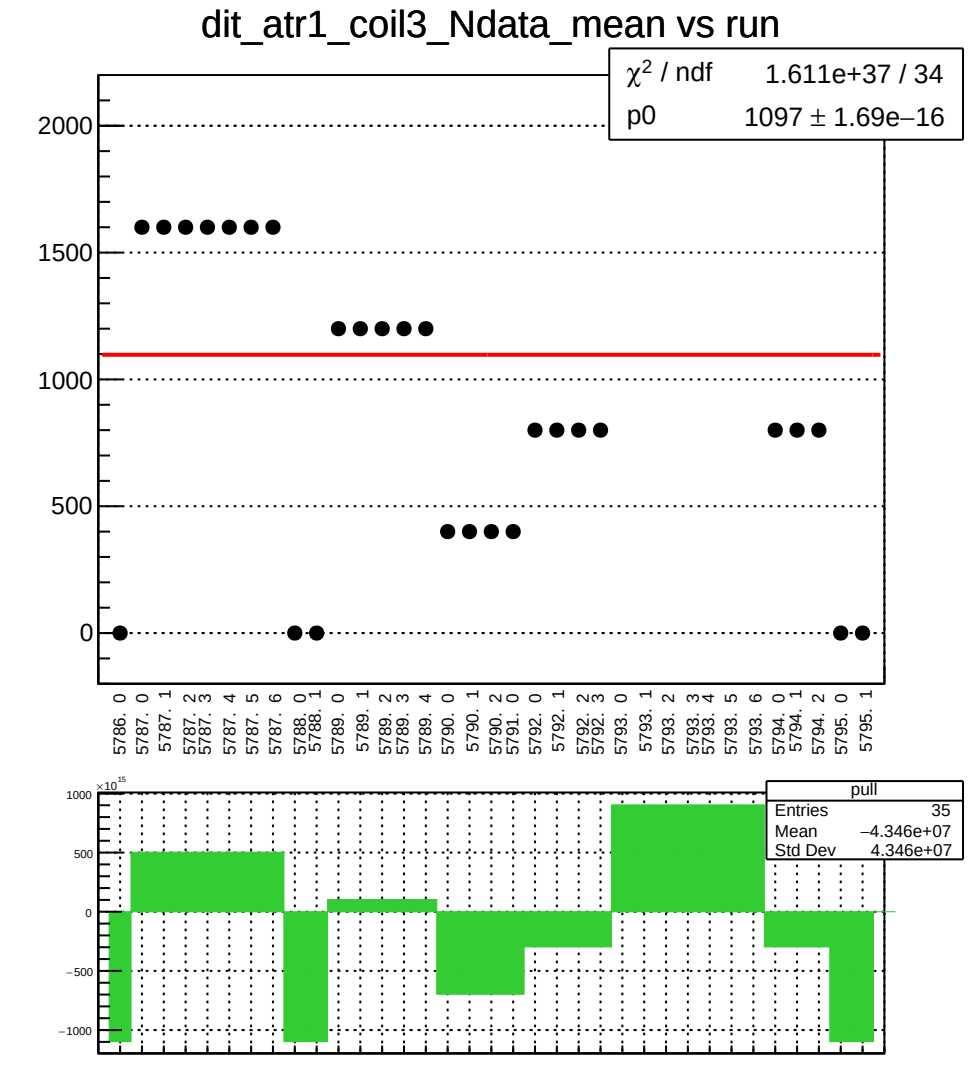

dit_atr1_coil3_mean vs run
χ² / ndf 9.971e+36 / 34
p0 1288 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 35
Mean 0
Std Dev 0

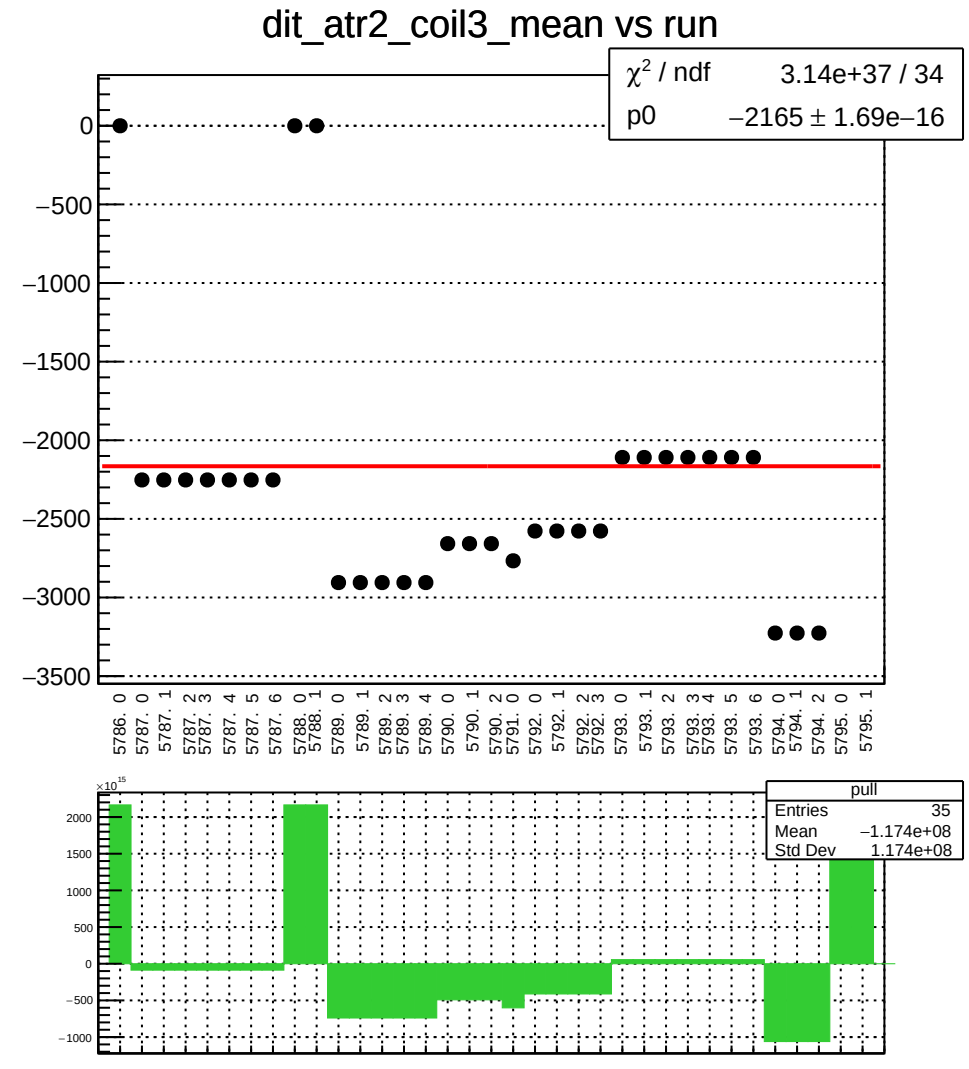

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

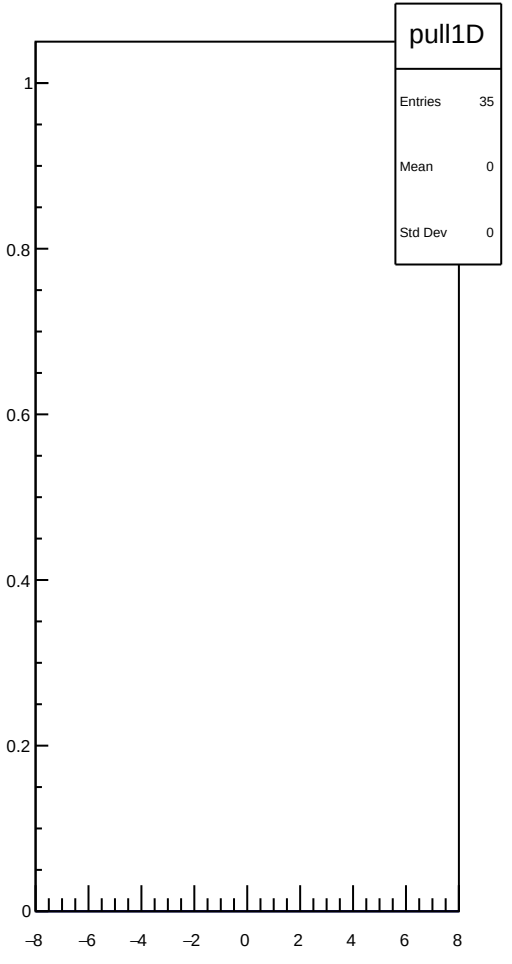

dit_atr1_coil3_err_mean vs run
χ² / ndf 1.894e+35 / 34
p0 146.7 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

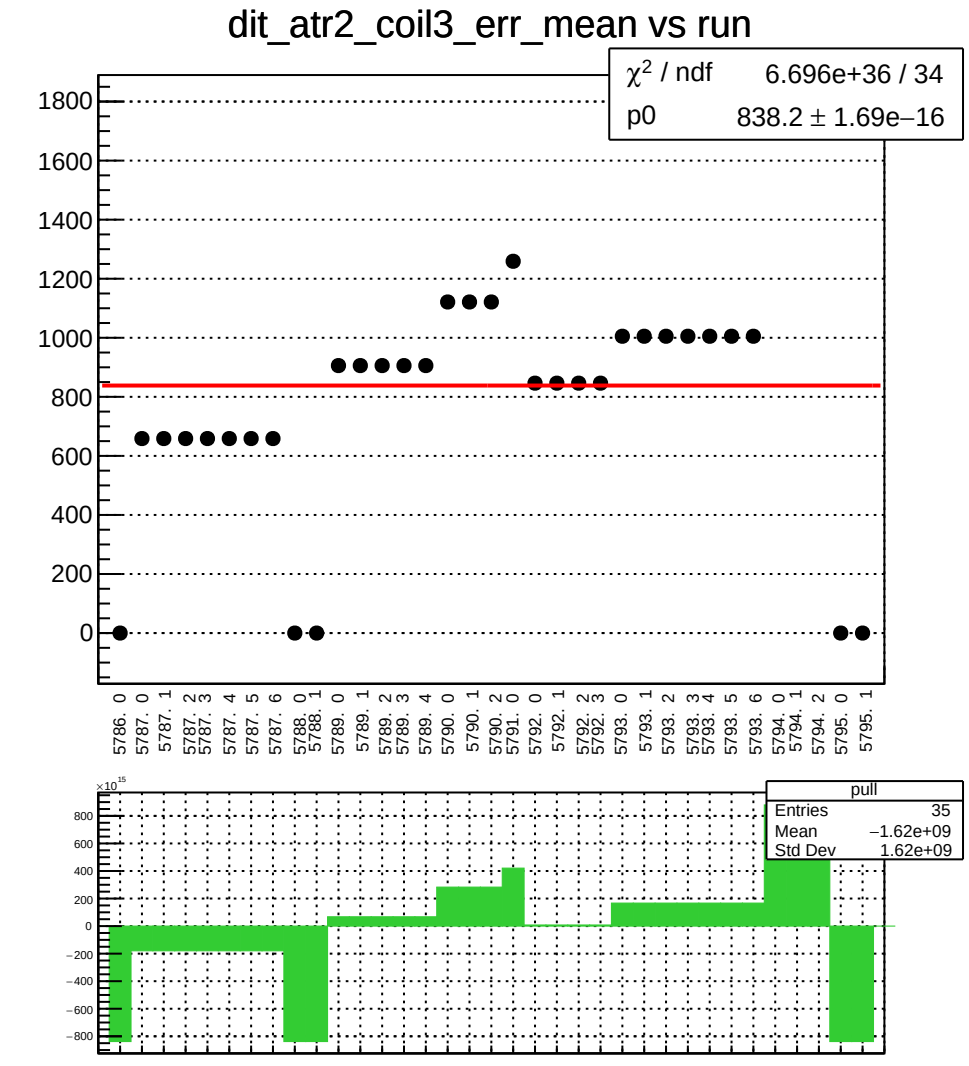

×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean −4.181e+07
Std Dev 4.181e+07

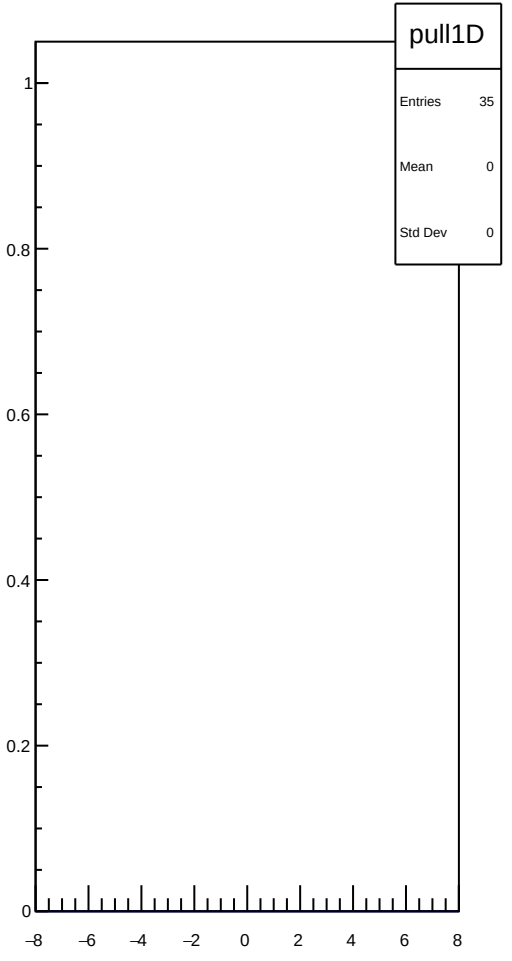

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

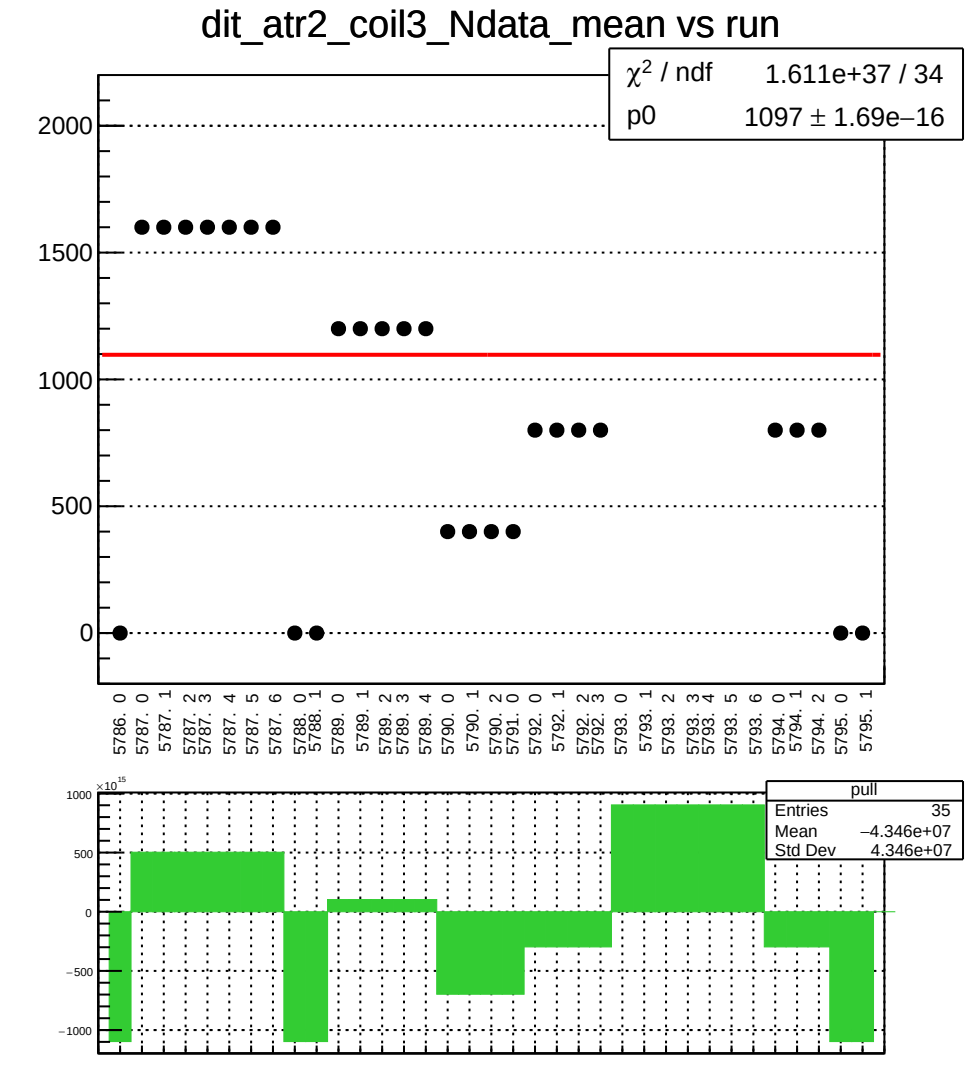

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

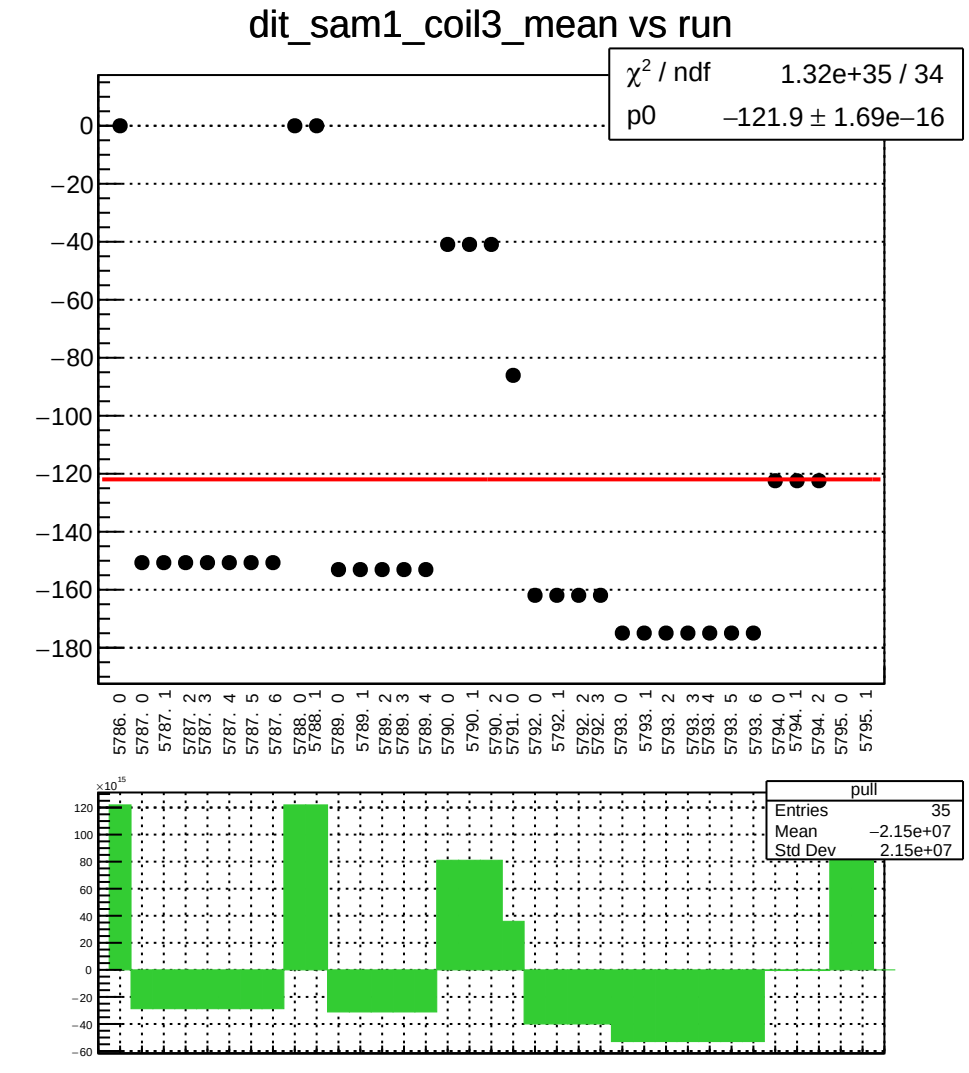

dit_atr2_coil3_mean vs run
χ² / ndf 3.14e+37 / 34
p0 −2165 ± 1.69e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
1500
1000
500
0
−500
−1000
pull
Entries 35
Mean −1.174e+08
Std Dev 1.174e+08

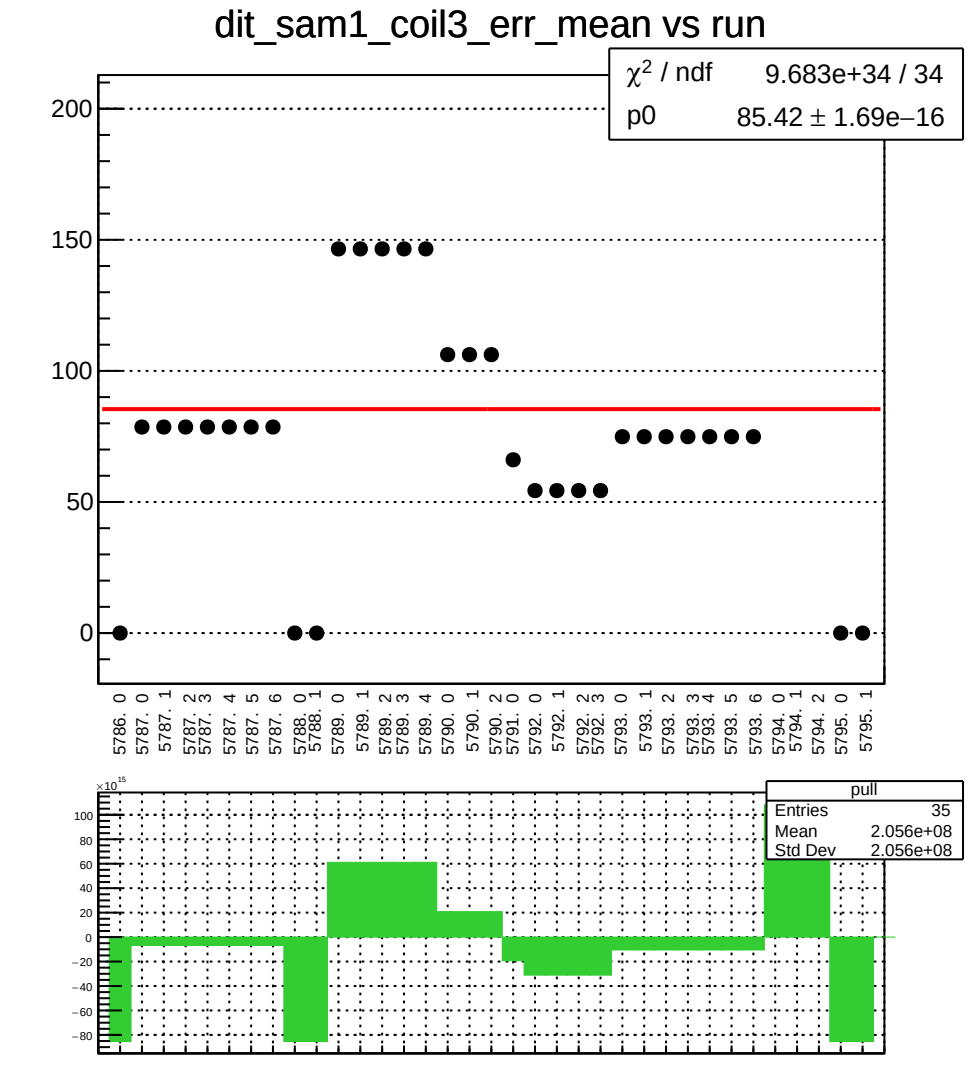

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

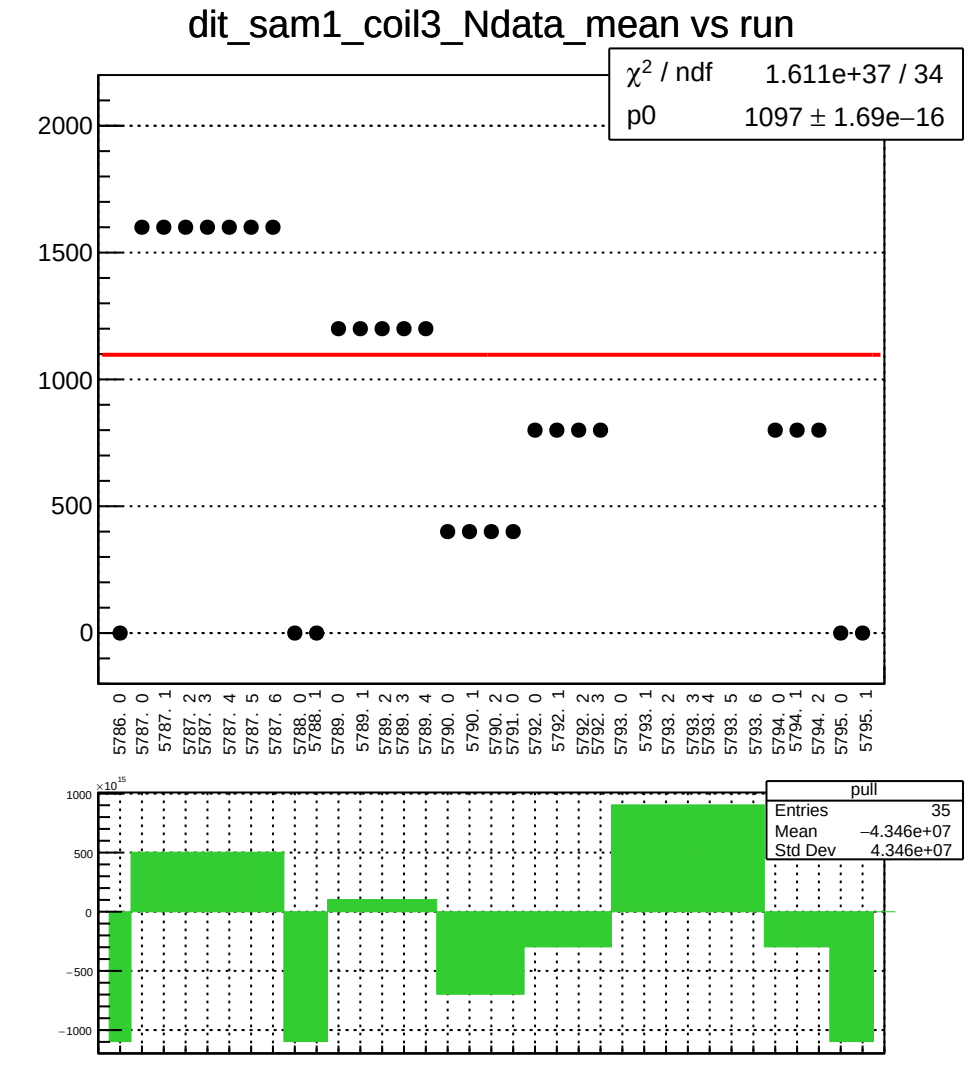

dit_atr2_coil3_err_mean vs run
χ² / ndf 6.696e+36 / 34
p0 838.2 ± 1.69e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −1.62e+09
Std Dev 1.62e+09

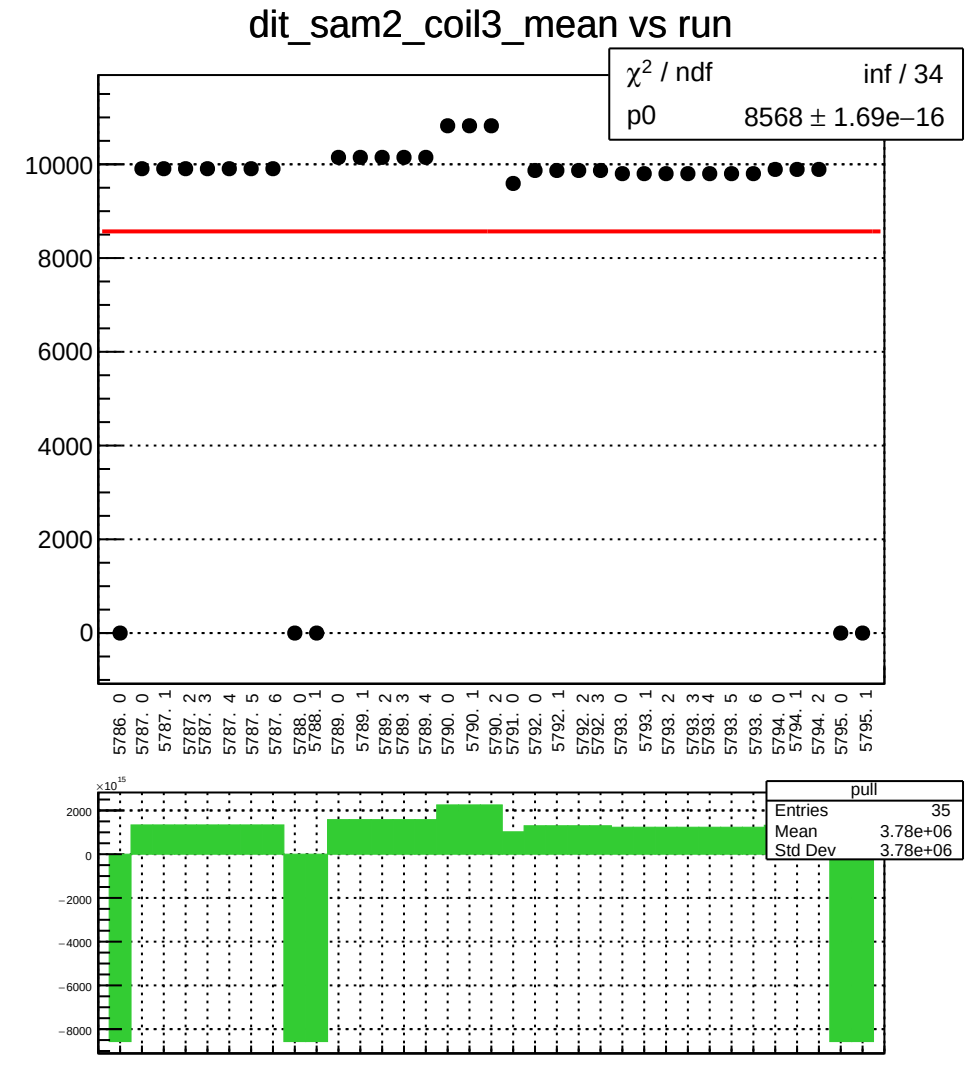

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

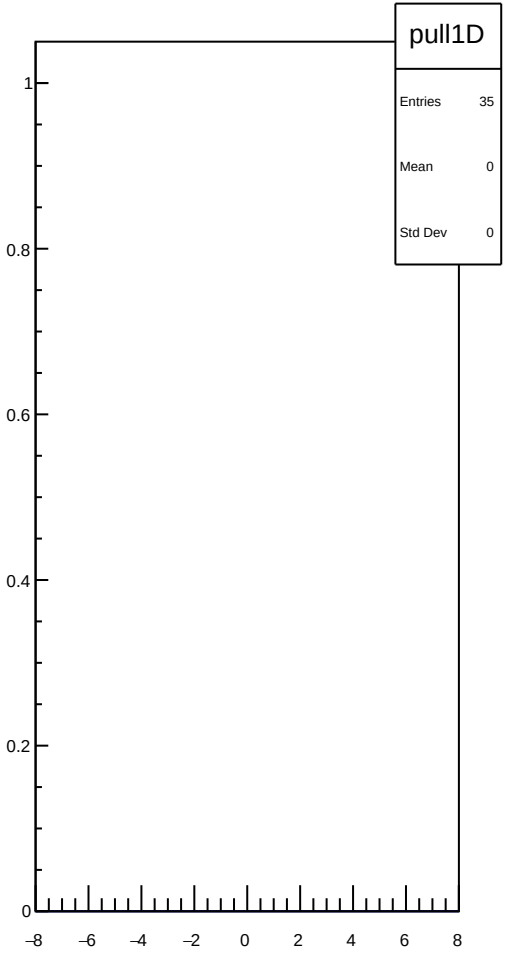

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

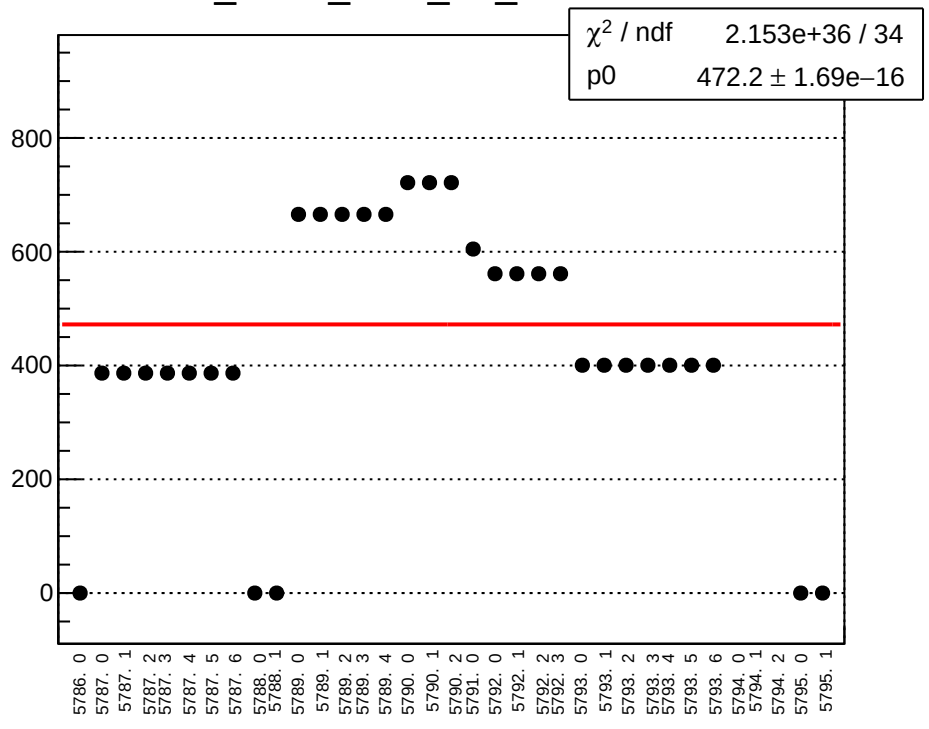

dit_sam1_coil3_mean vs run
χ² / ndf 1.32e+35 / 34
p0 −121.9 ± 1.69e−16
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
pull
Entries 35
Mean −2.15e+07
Std Dev 2.15e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

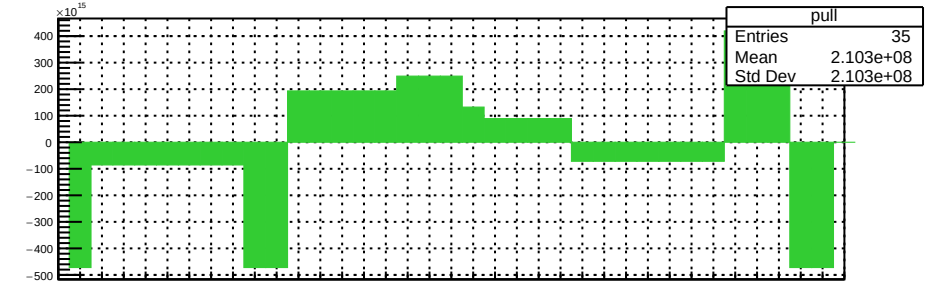

dit_sam1_coil3_err_mean vs run
χ² / ndf 9.683e+34 / 34
p0 85.42 ± 1.69e−16
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 35
Mean 2.056e+08
Std Dev 2.056e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

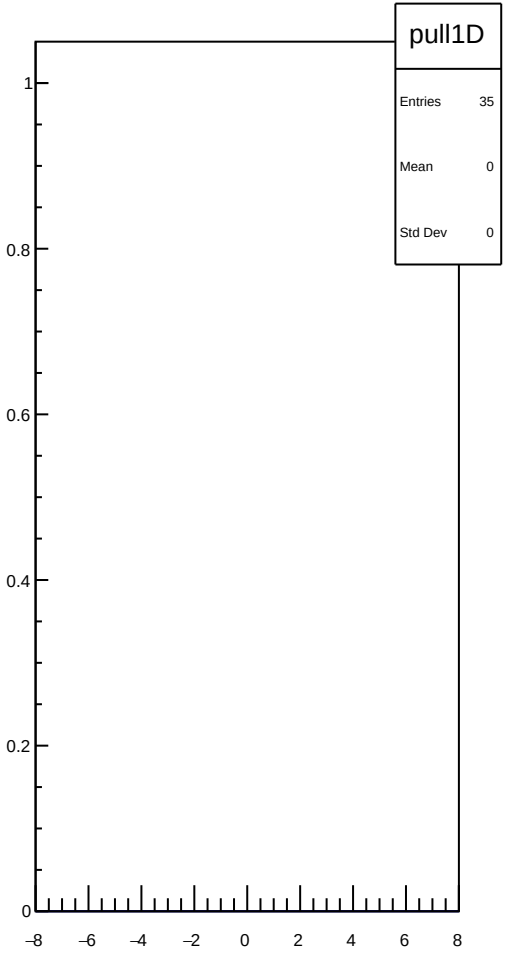

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

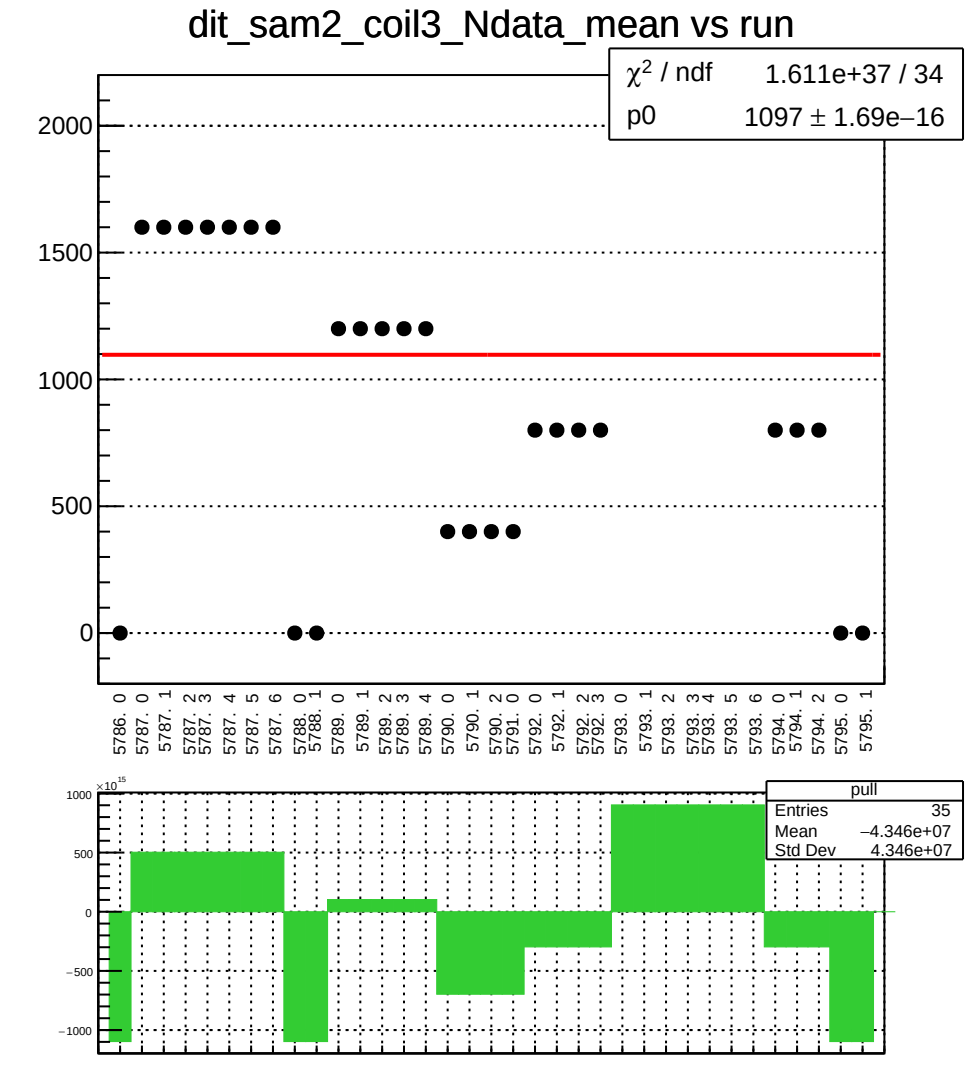

dit_sam2_coil3_mean vs run
χ² / ndf inf / 34
p0 8568 ± 1.69e−16
10000
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
pull
Entries 35
Mean 3.78e+06
Std Dev 3.78e+06

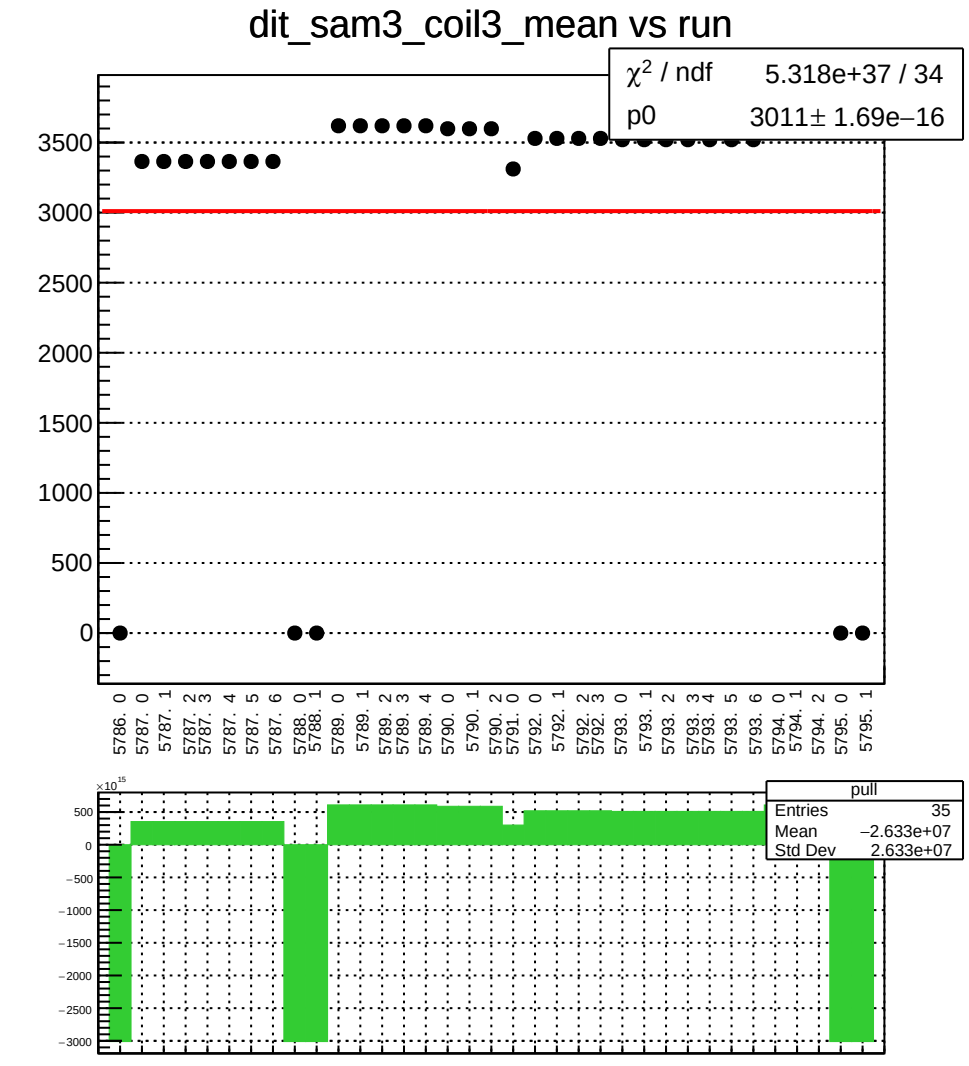

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

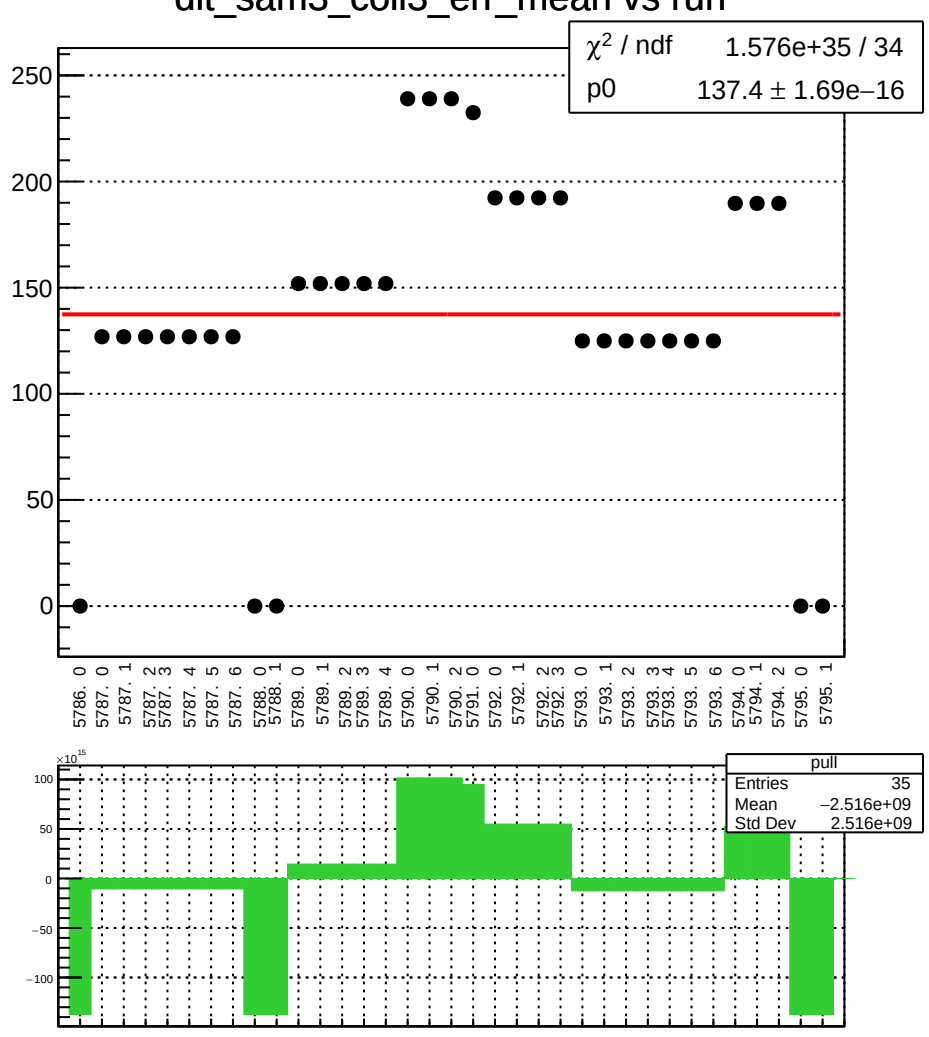

dit_sam2_coil3_err_mean vs run
χ² / ndf 2.153e+36 / 34
p0 472.2 ± 1.69e−16
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

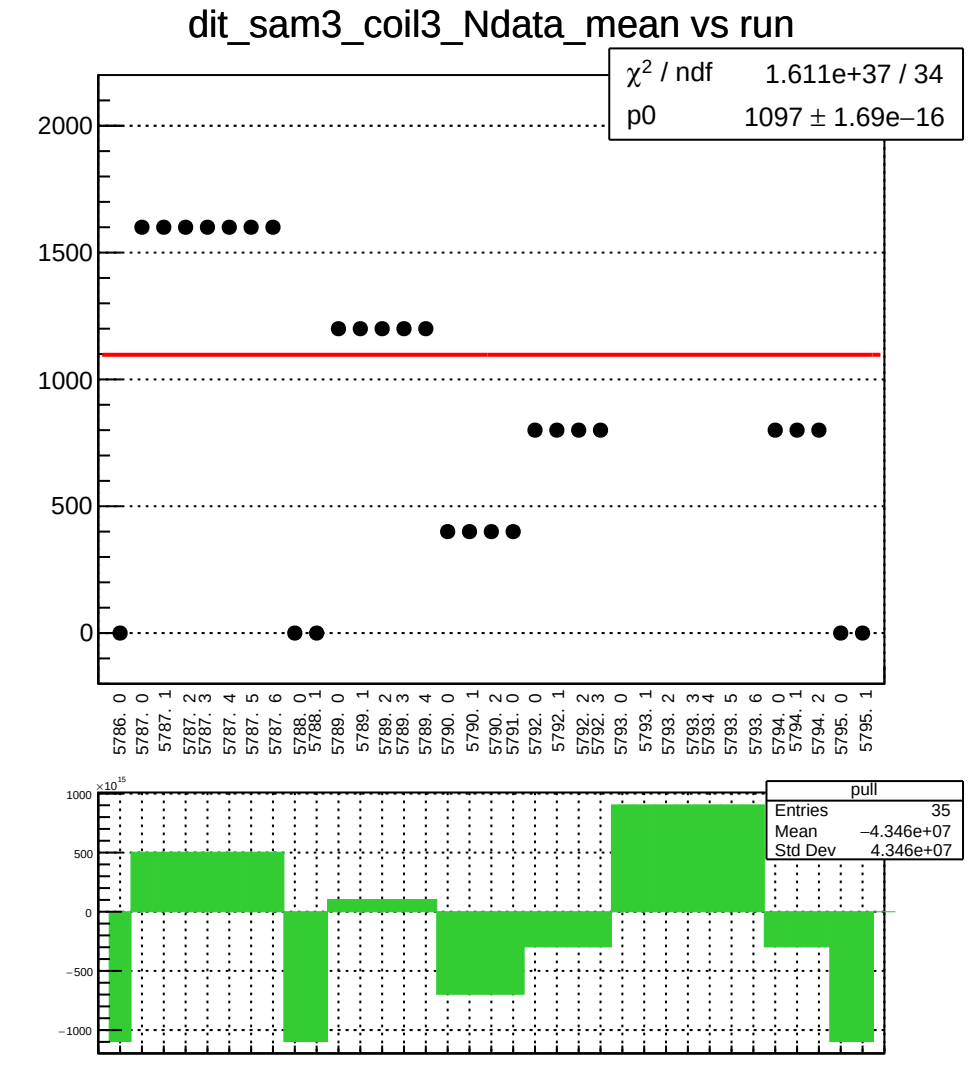

×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 35
Mean 2.103e+08
Std Dev 2.103e+08

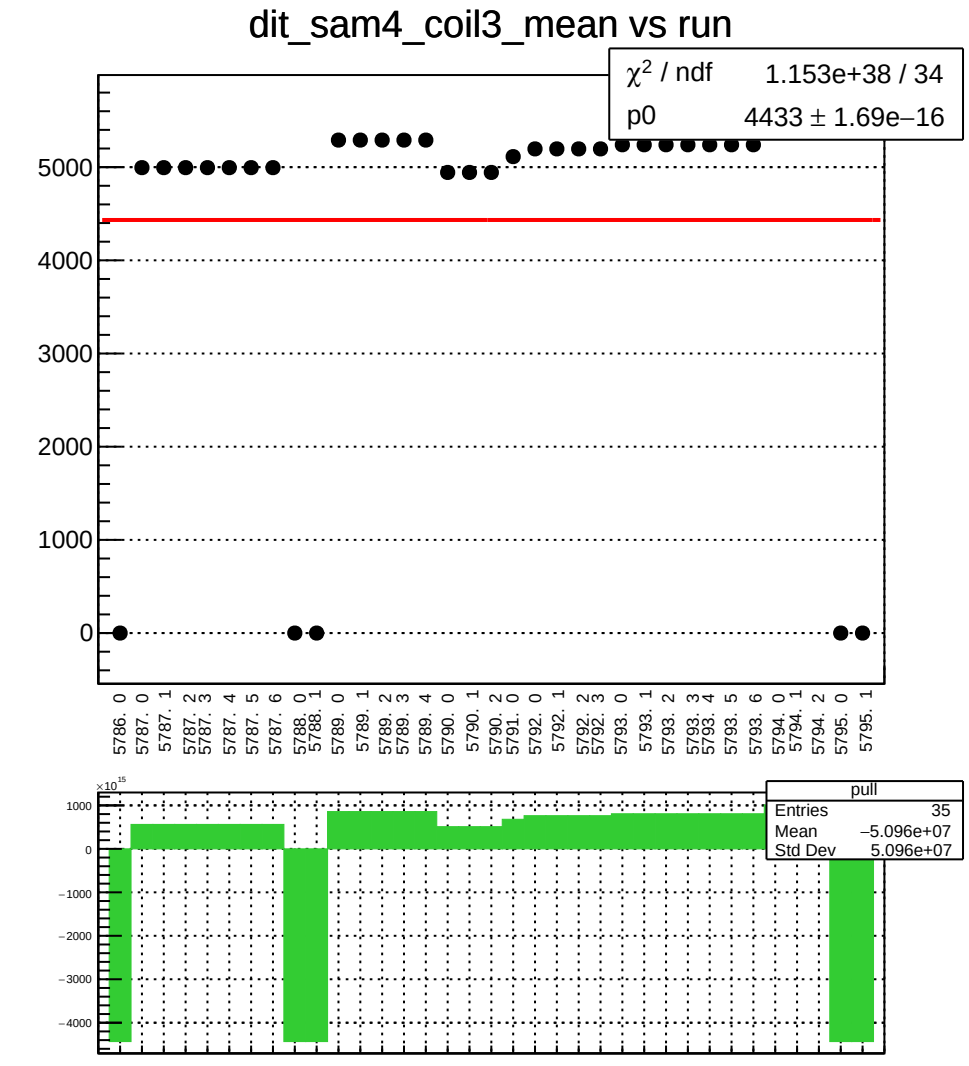

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

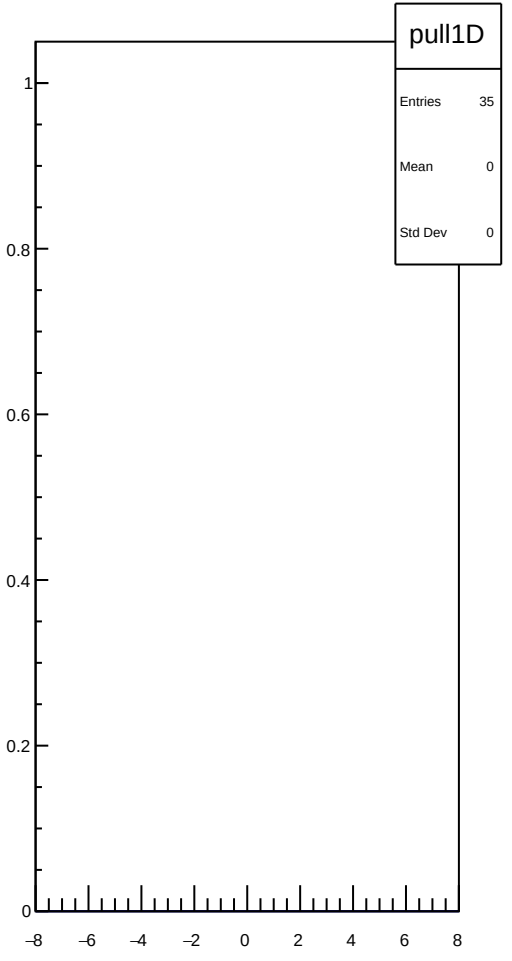

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

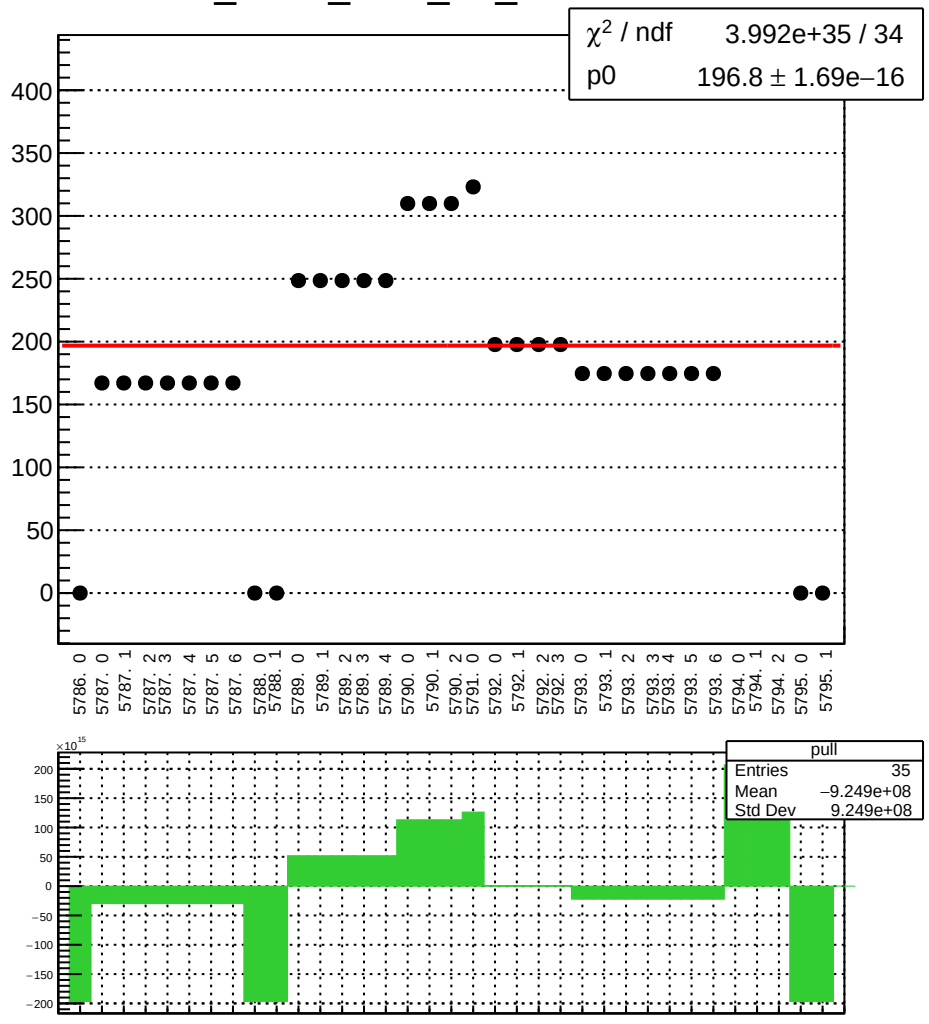

dit_sam3_coil3_mean vs run
χ² / ndf 5.318e+37 / 34
p0 3011± 1.69e−16
3500
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10^15
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 35
Mean −2.633e+07
Std Dev 2.633e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

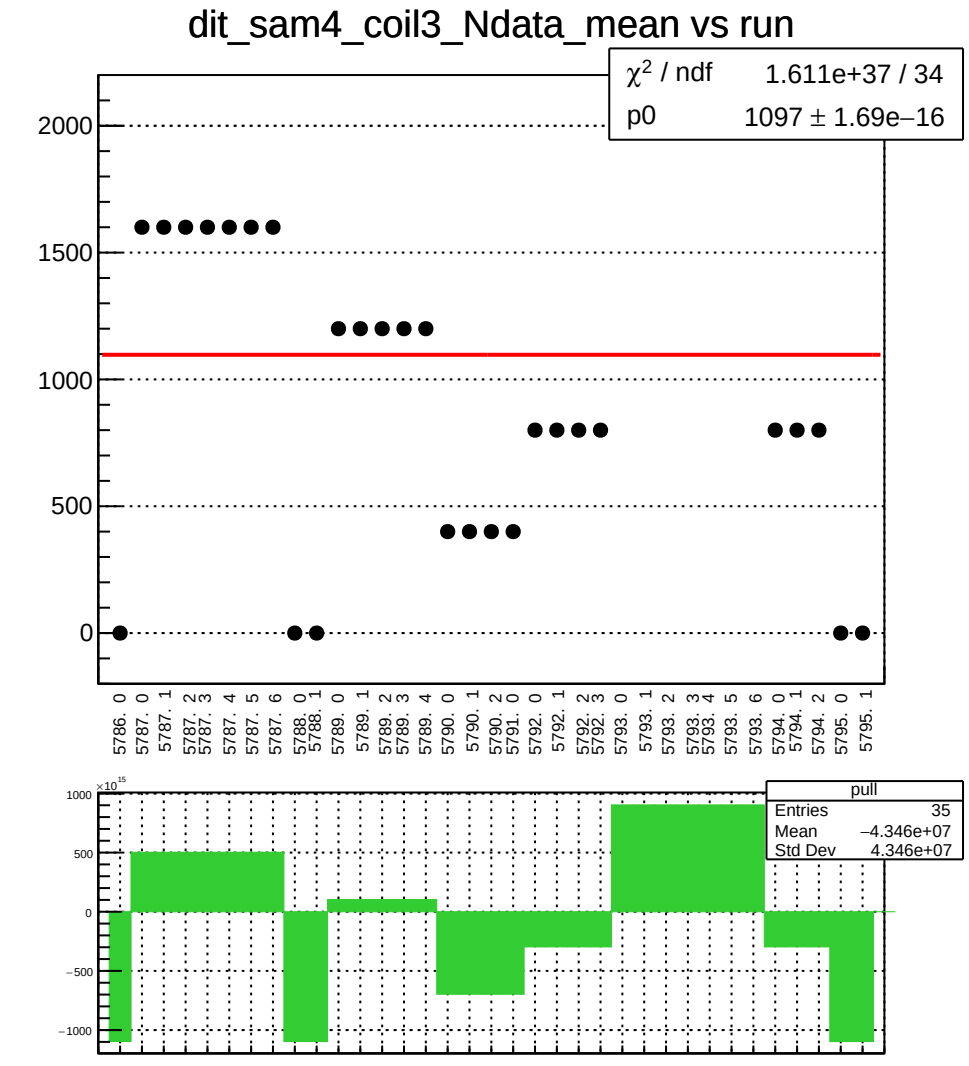

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.576e+35 / 34
p0 137.4 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
pull
Entries 35
Mean −2.516e+09
Std Dev 2.516e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

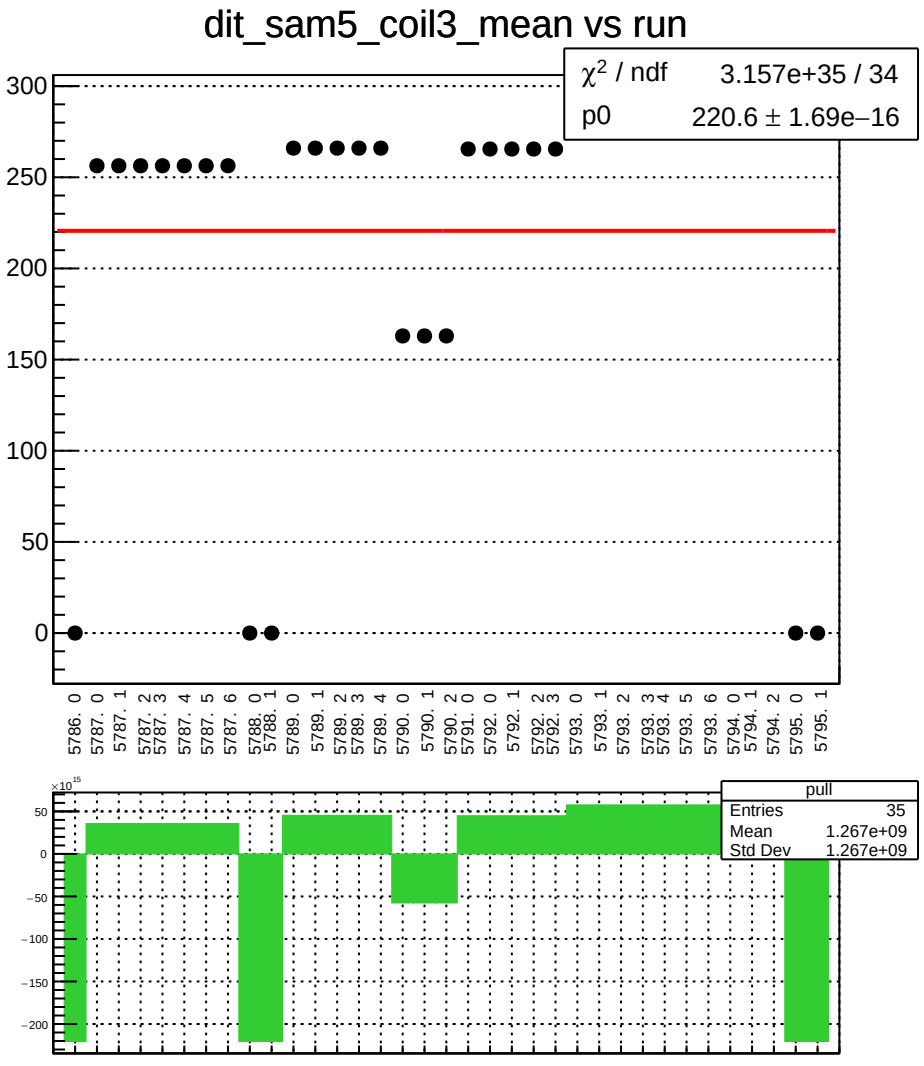

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

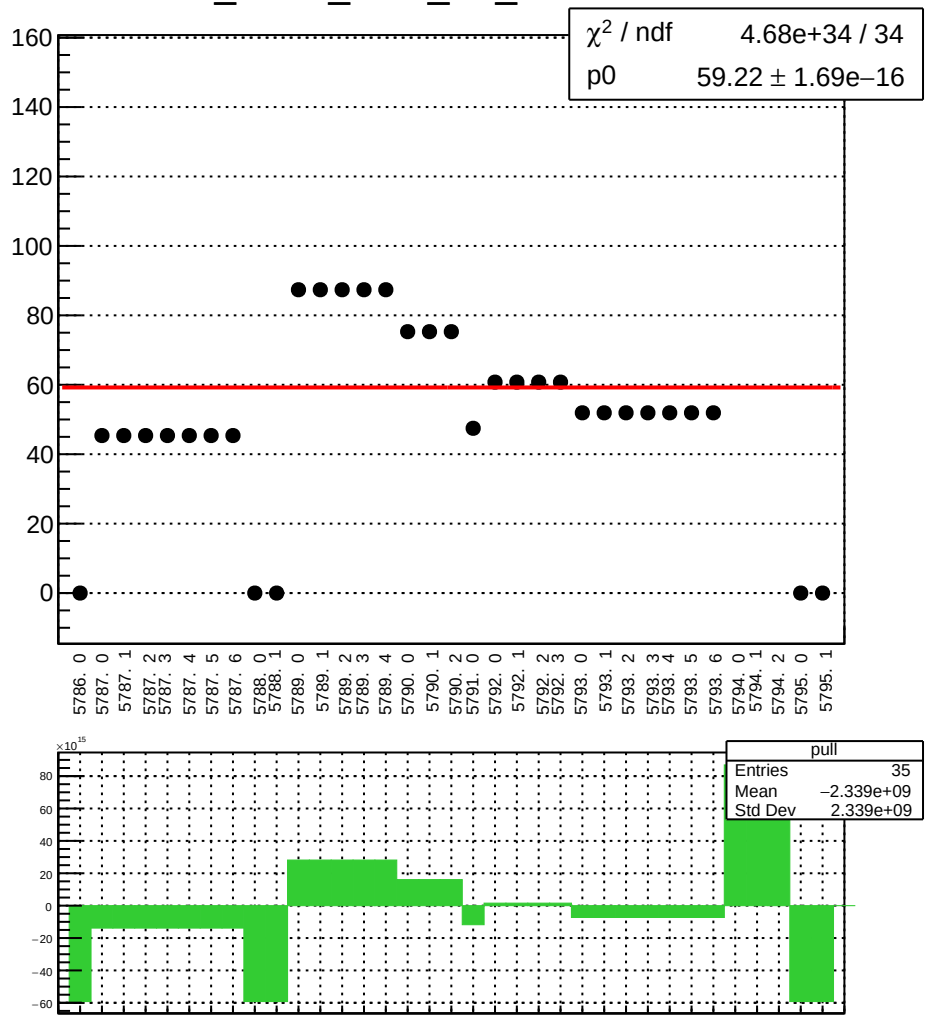

dit_sam4_coil3_mean vs run
χ² / ndf 1.153e+38 / 34
p0 4433 ± 1.69e−16
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −5.096e+07
Std Dev 5.096e+07

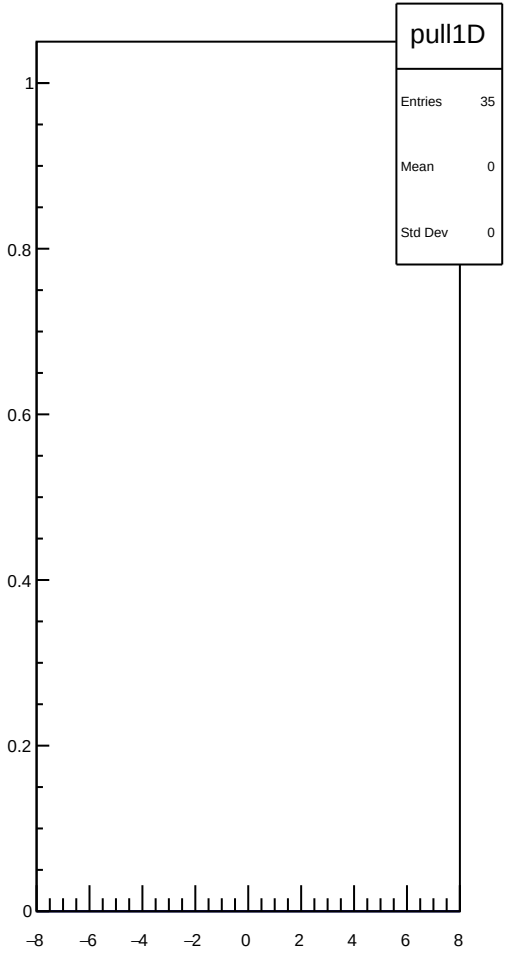

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

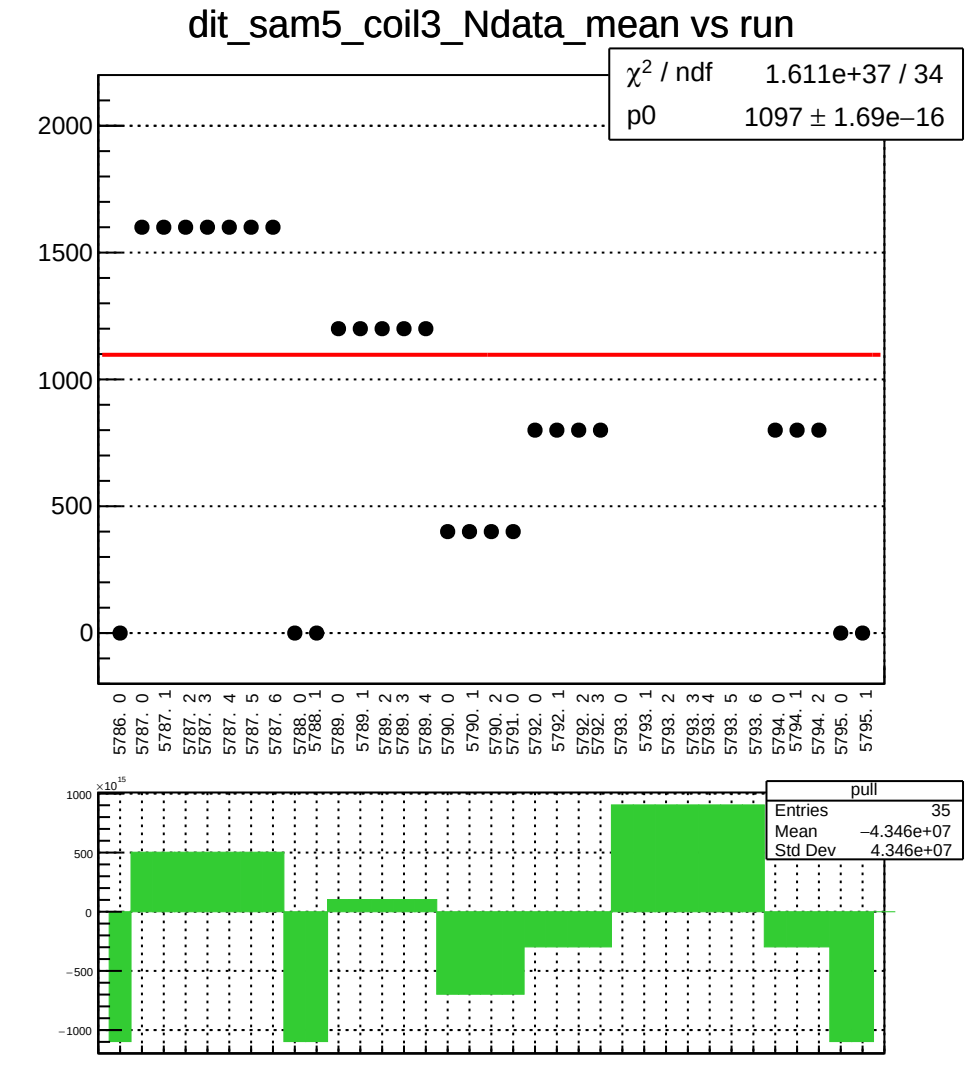

dit_sam4_coil3_err_mean vs run
χ² / ndf 3.992e+35 / 34
p0 196.8 ± 1.69e−16
400
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 35
Mean −9.249e+08
Std Dev 9.249e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

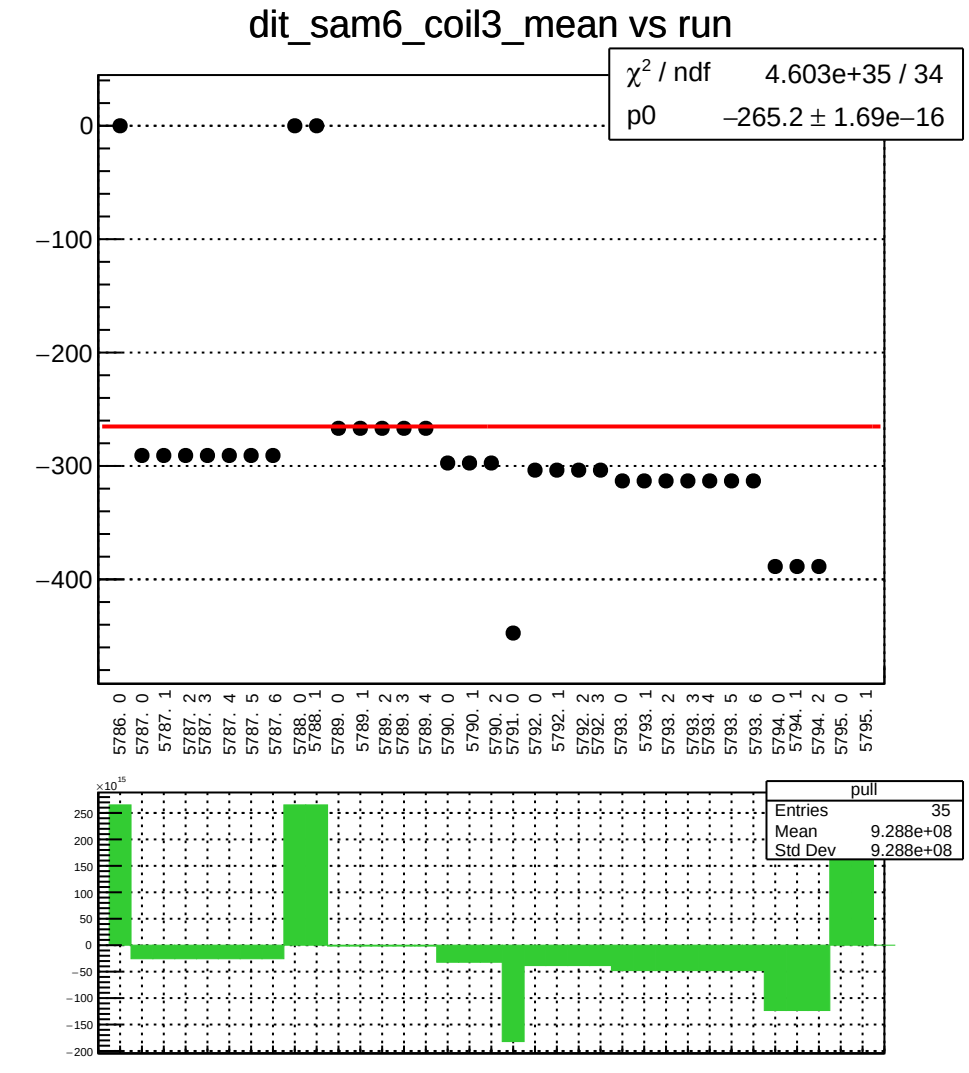

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

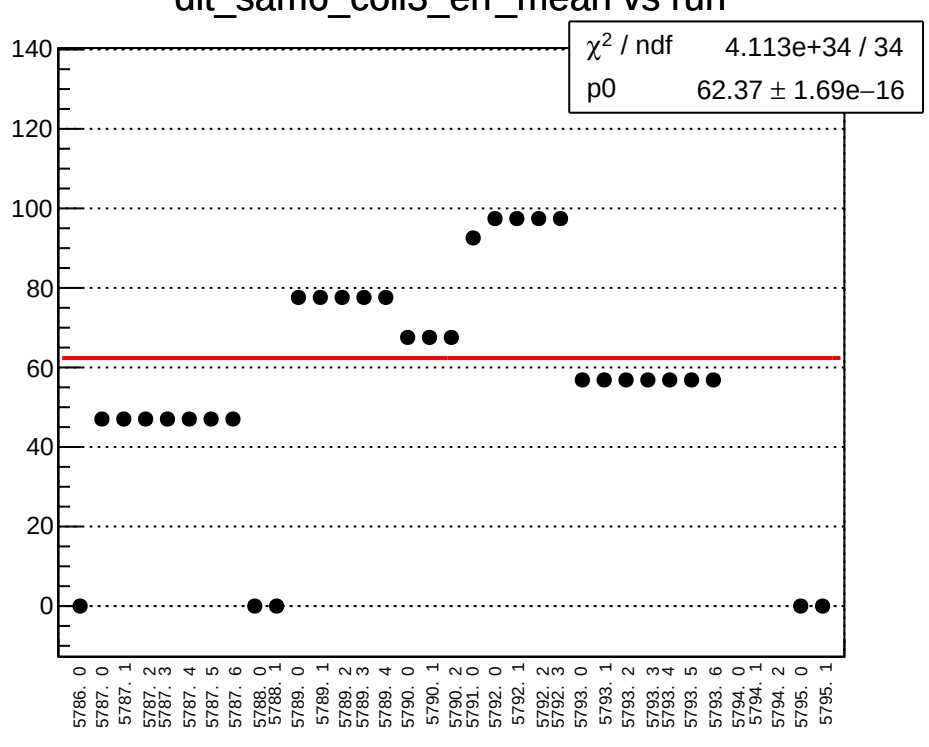

dit_sam5_coil3_mean vs run
χ² / ndf 3.157e+35 / 34
p0 220.6 ± 1.69e−16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
50
0
−50
−100
−150
−200
pull
Entries 35
Mean 1.267e+09
Std Dev 1.267e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

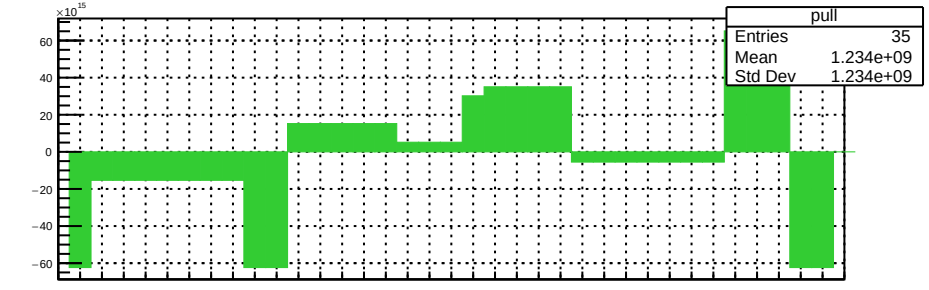

dit_sam5_coil3_err_mean vs run
χ² / ndf 4.68e+34 / 34
p0 59.22 ± 1.69e−16
pull
Entries 35
Mean −2.339e+09
Std Dev 2.339e+09
×10¹⁵

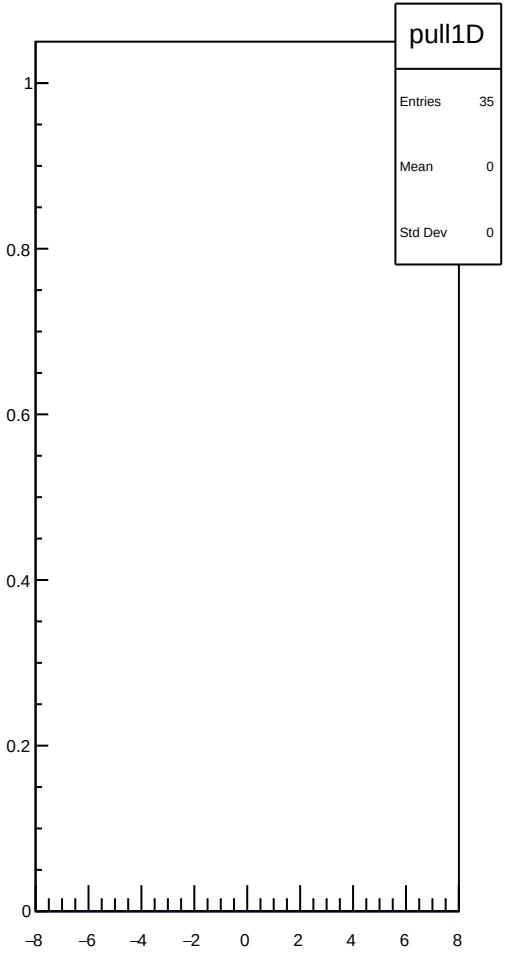

pull1D
Entries 35
Mean 0
Std Dev 0

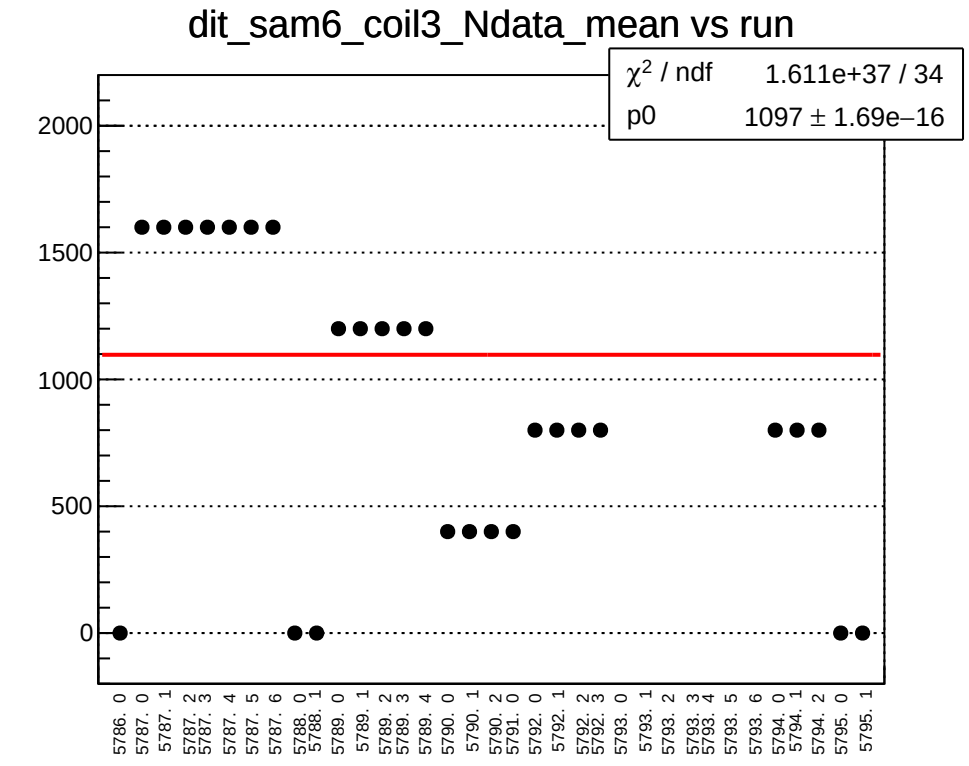

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

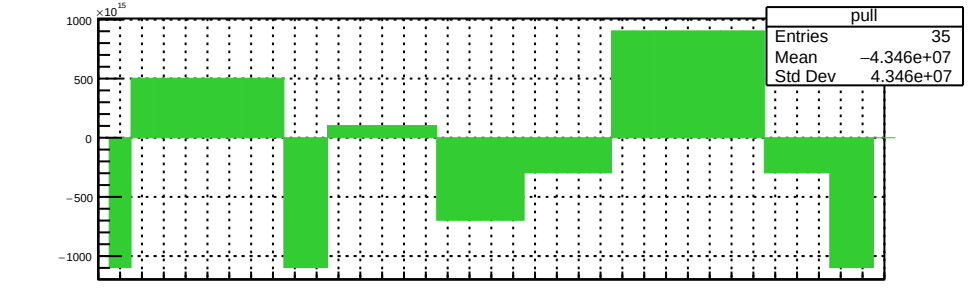

dit_sam6_coil3_mean vs run
χ² / ndf 4.603e+35 / 34
p0 –265.2 ± 1.69e–16
0
–100
–200
–300
–400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
250
200
150
100
50
0
–50
–100
–150
–200
pull
Entries 35
Mean 9.288e+08
Std Dev 9.288e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

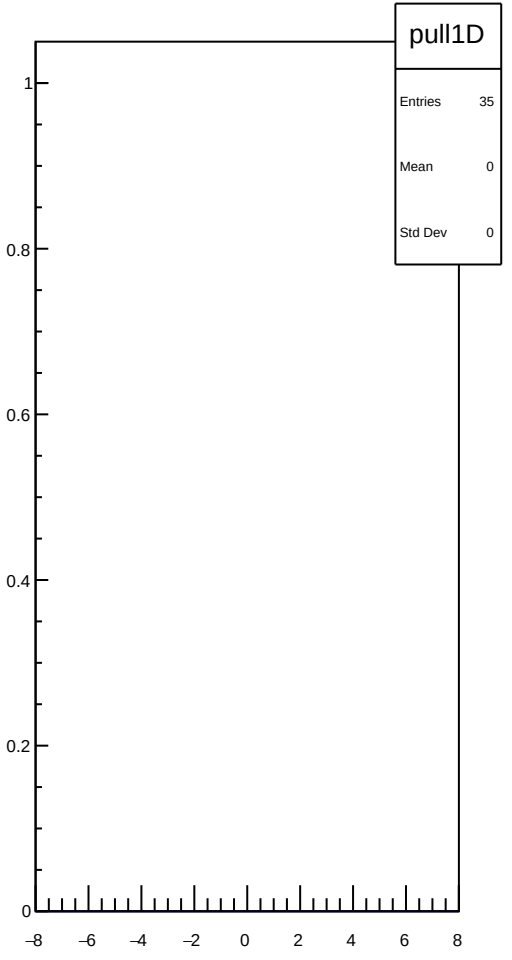

dit_sam6_coil3_err_mean vs run
χ² / ndf 4.113e+34 / 34
p0 62.37 ± 1.69e−16
140
120
100
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

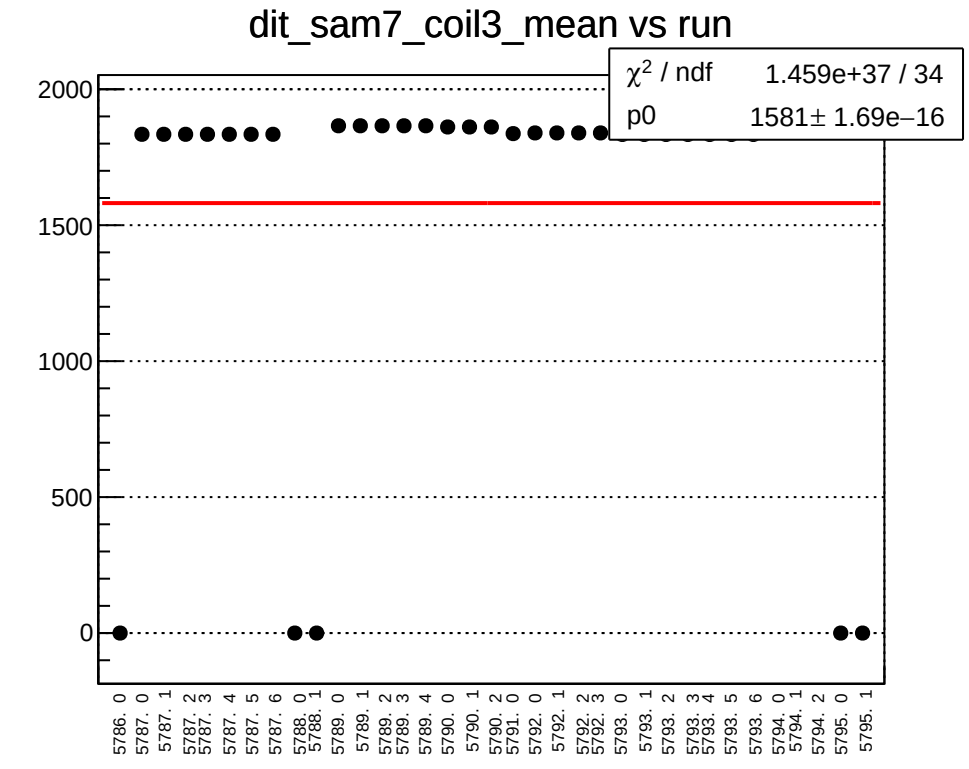

×10¹⁵
60
40
20
0
−20
−40
−60
pull
Entries 35
Mean 1.234e+09
Std Dev 1.234e+09

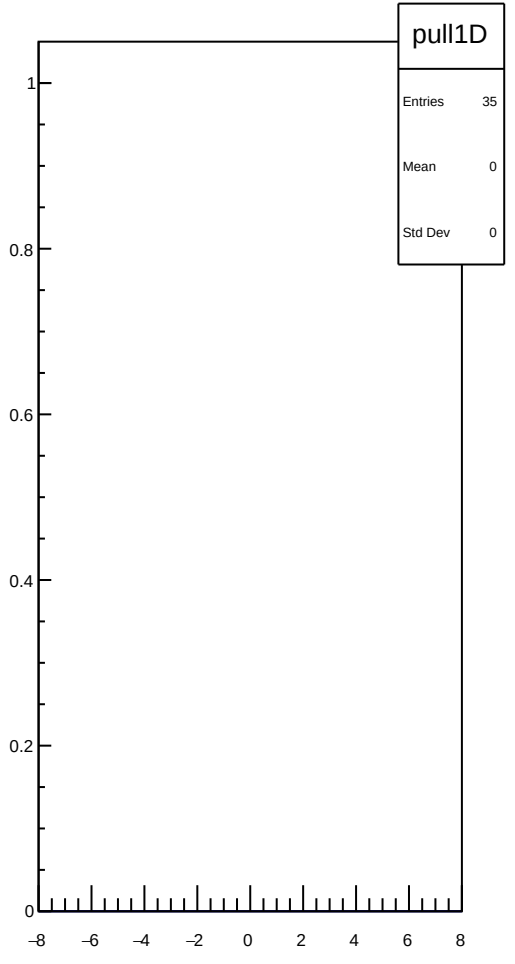

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

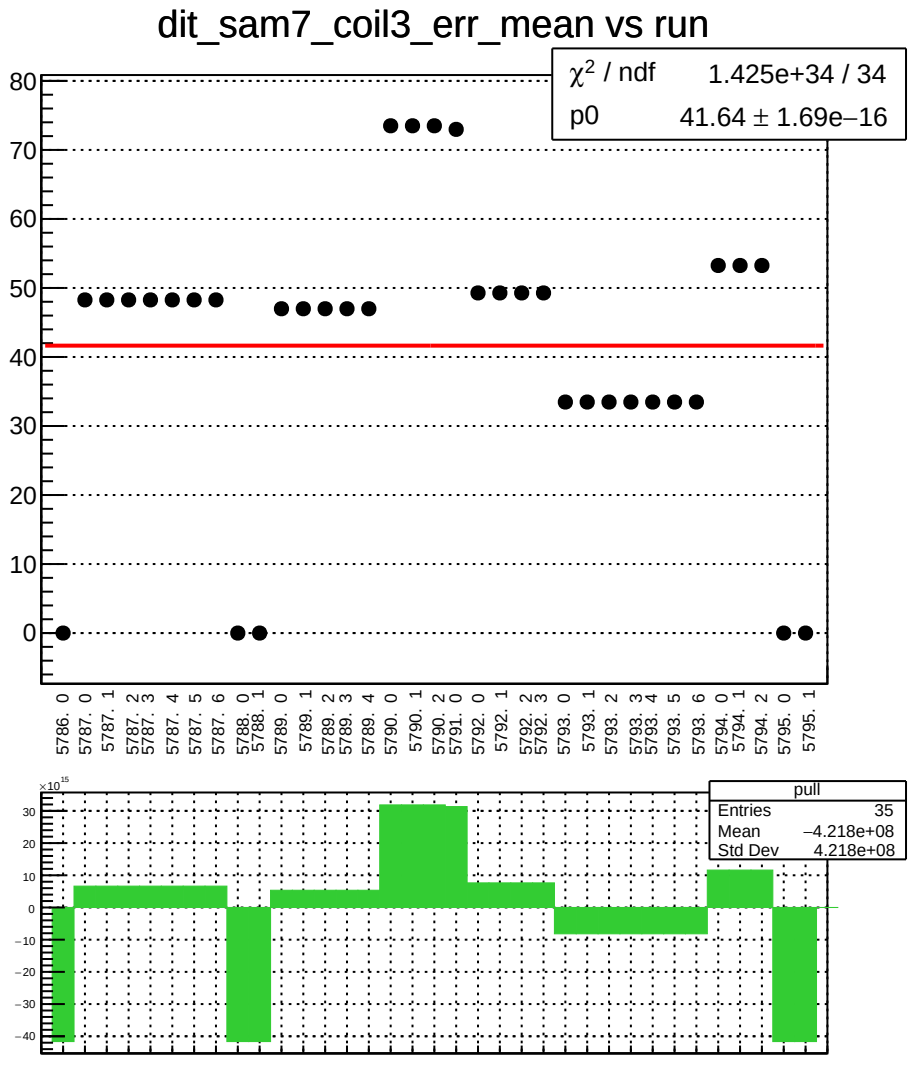

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

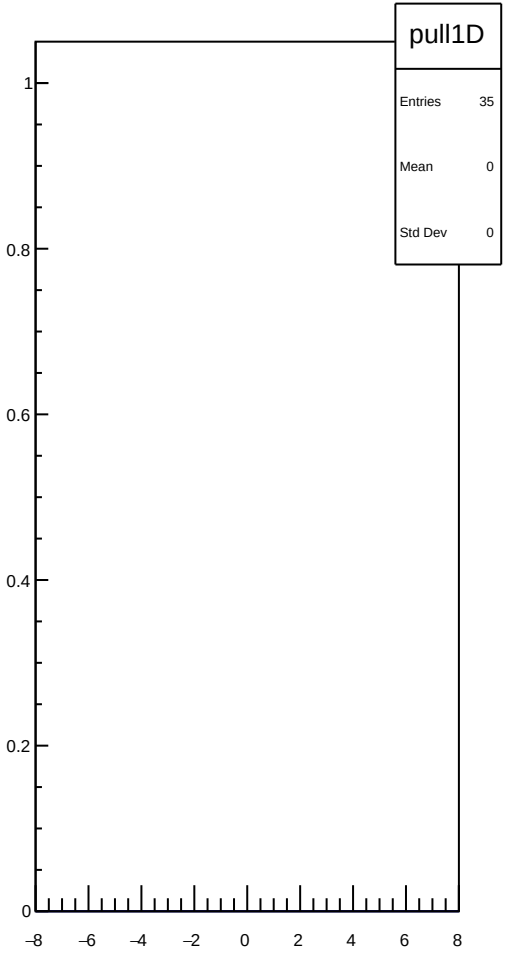

×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07

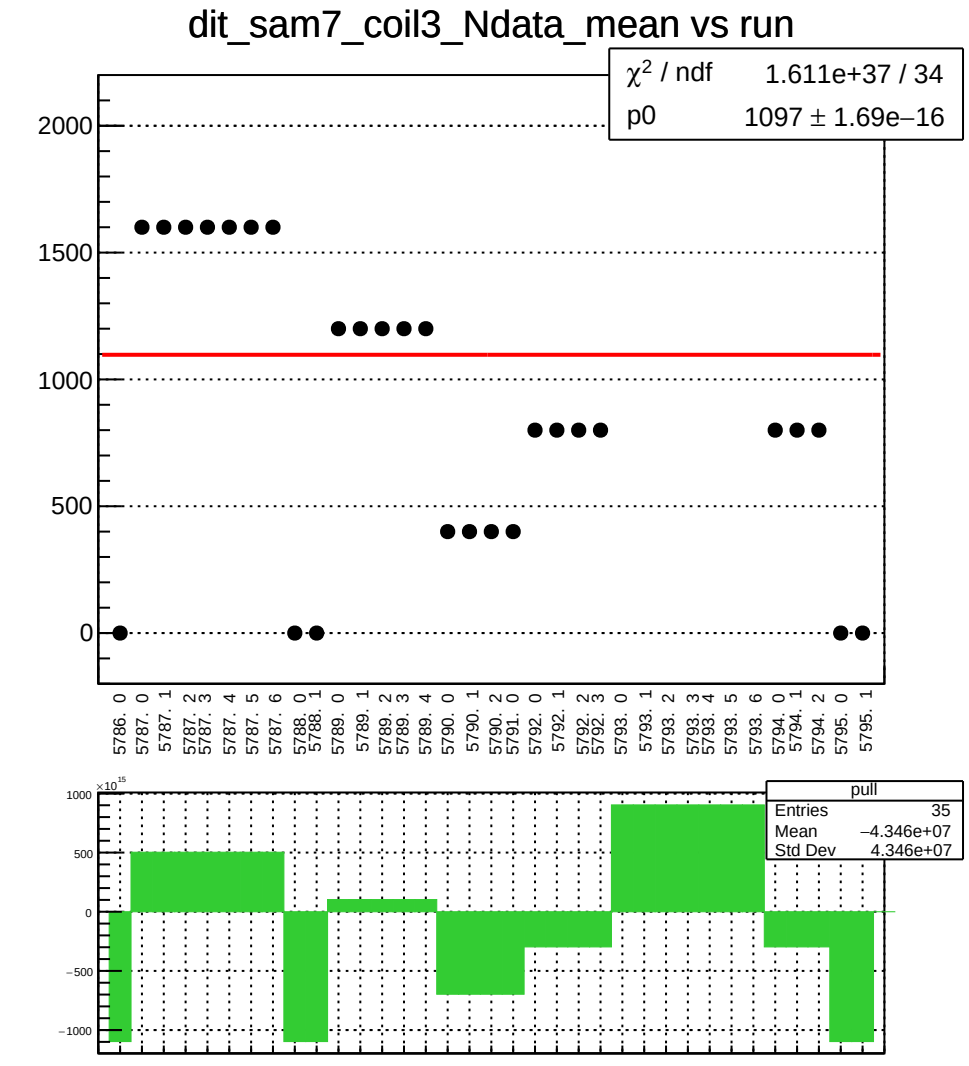

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

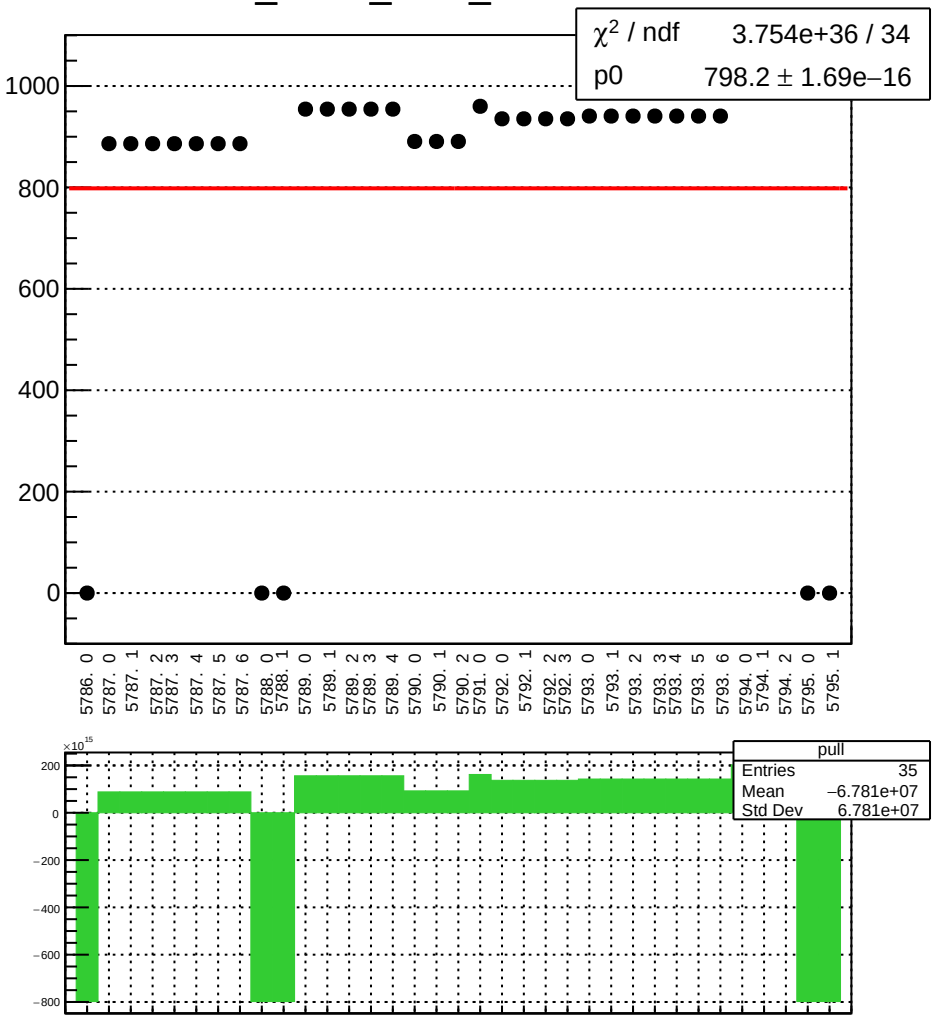

dit_sam7_coil3_mean vs run
χ² / ndf 1.459e+37 / 34
p0 1581± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 35
Mean −1.188e+07
Std Dev 1.188e+07

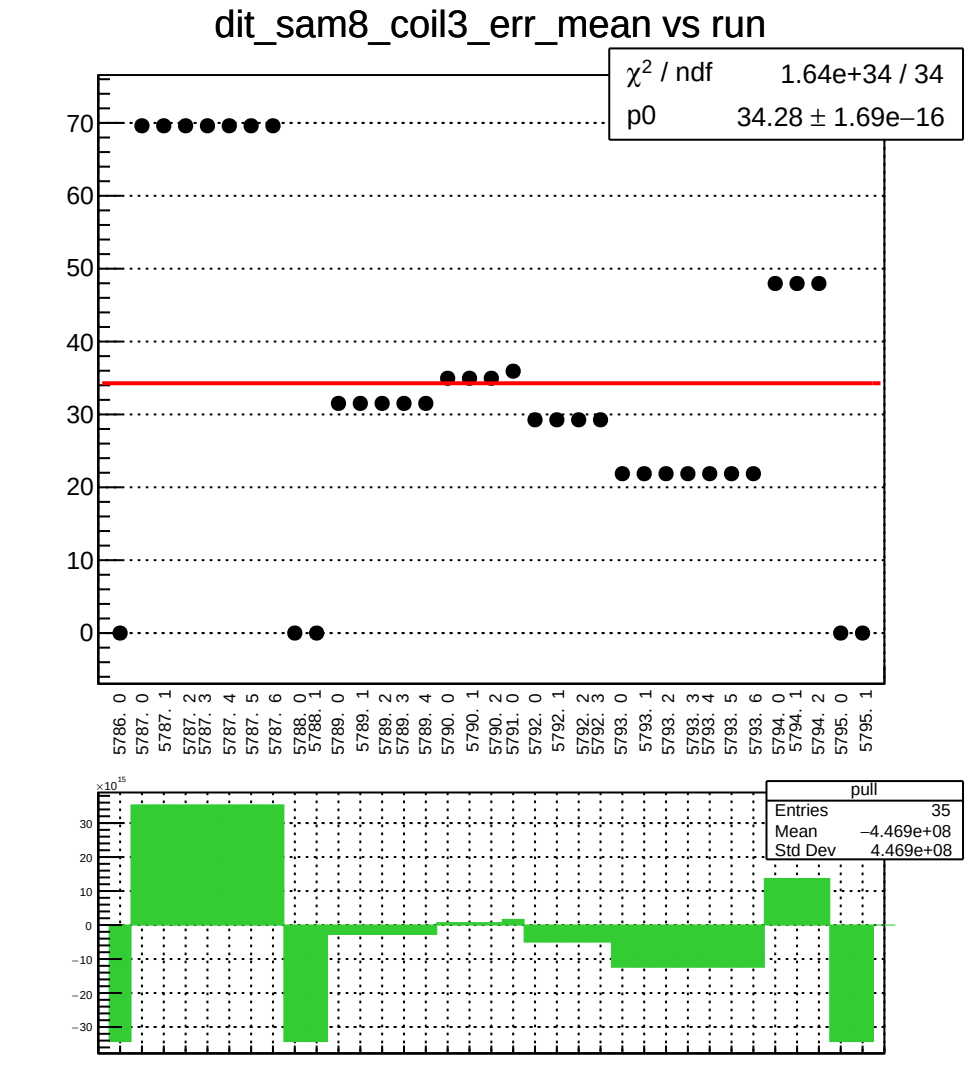

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

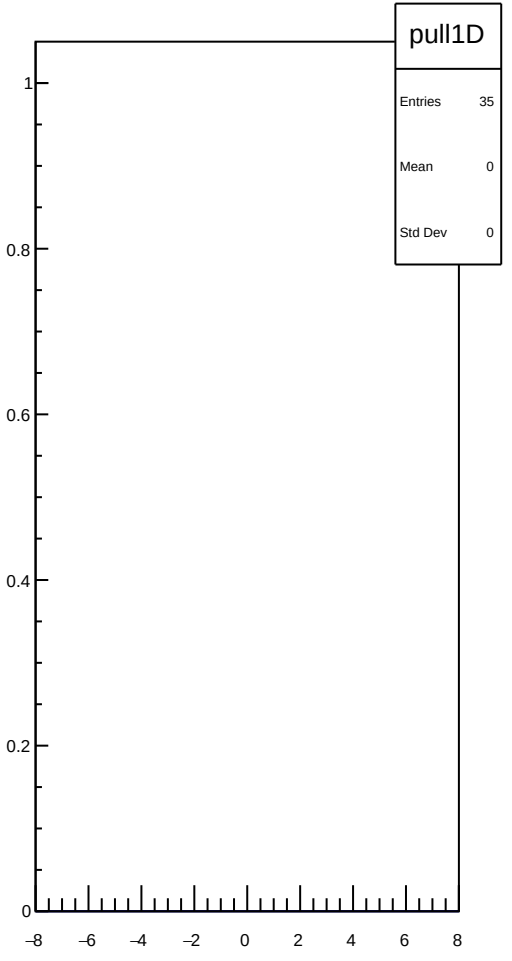

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.425e+34 / 34
p0 41.64 ± 1.69e−16
80
70
60
50
40
30
20
10
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
30
20
10
0
−10
−20
−30
−40
pull
Entries 35
Mean −4.218e+08
Std Dev 4.218e+08

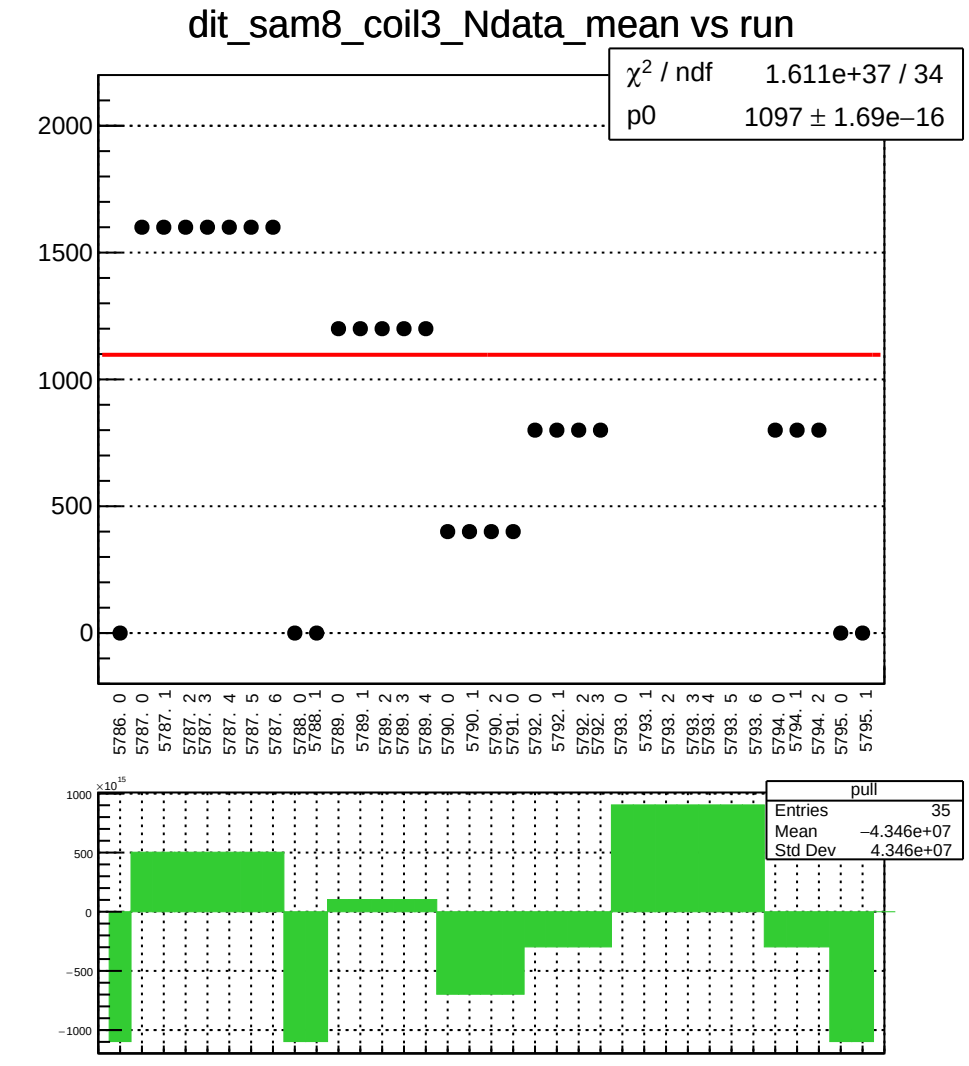

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

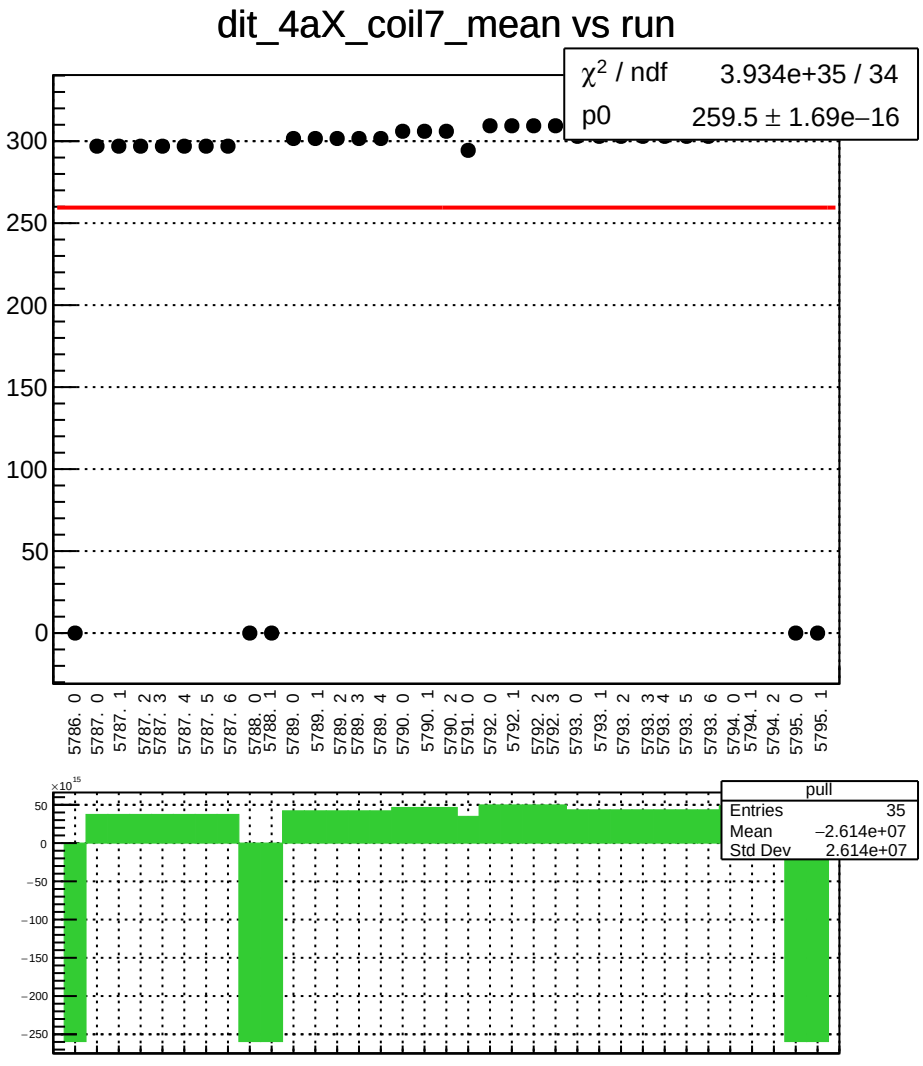

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

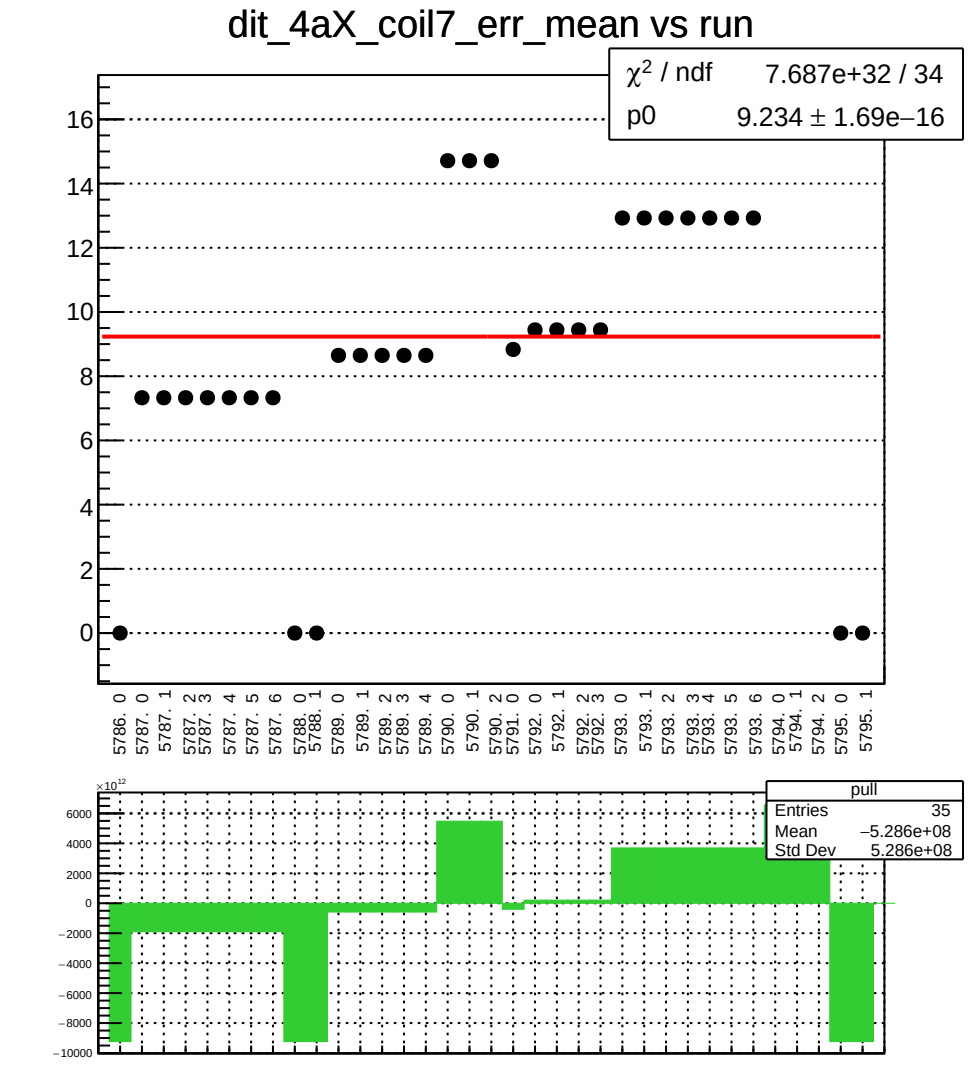

dit_sam8_coil3_mean vs run
χ² / ndf 3.754e+36 / 34
p0 798.2 ± 1.69e−16
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10^15
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −6.781e+07
Std Dev 6.781e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

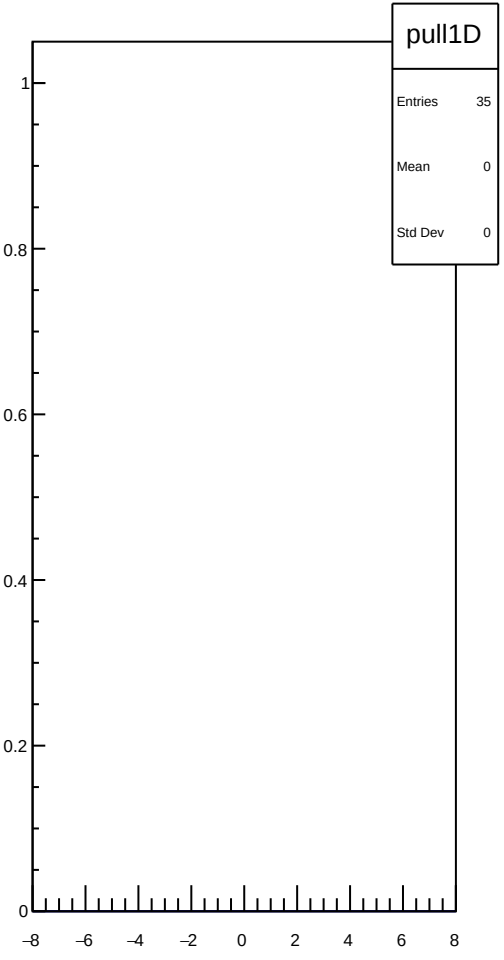

dit_sam8_coil3_err_mean vs run
χ² / ndf 1.64e+34 / 34
p0 34.28 ± 1.69e−16
70
60
50
40
30
20
10
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
30
20
10
0
−10
−20
−30
pull
Entries 35
Mean −4.469e+08
Std Dev 4.469e+08

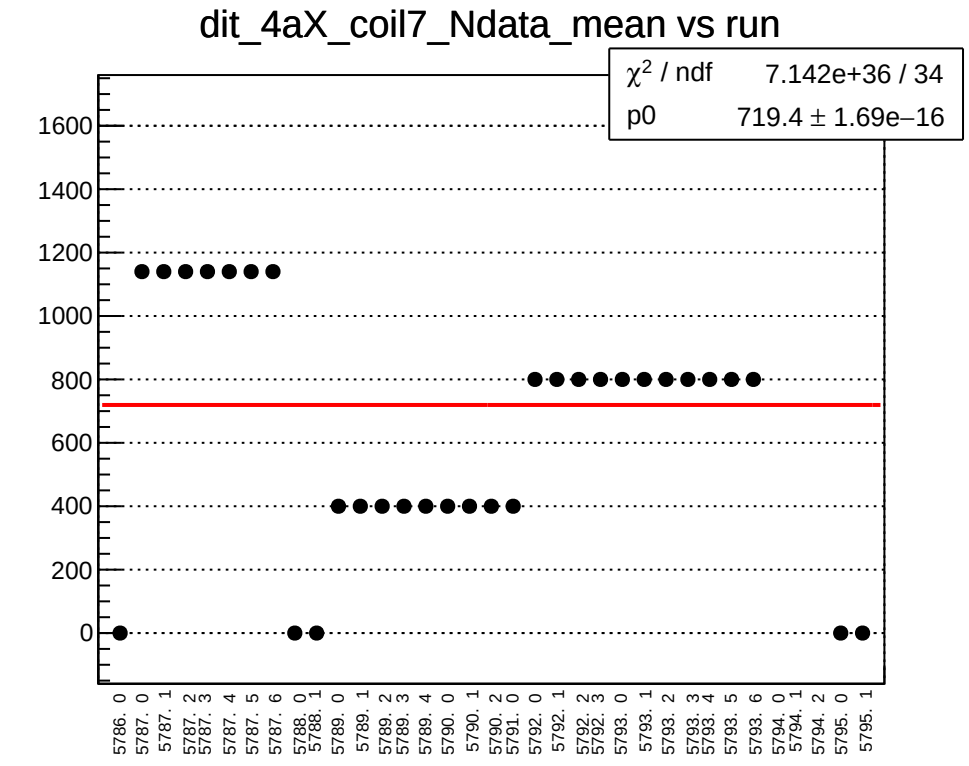

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

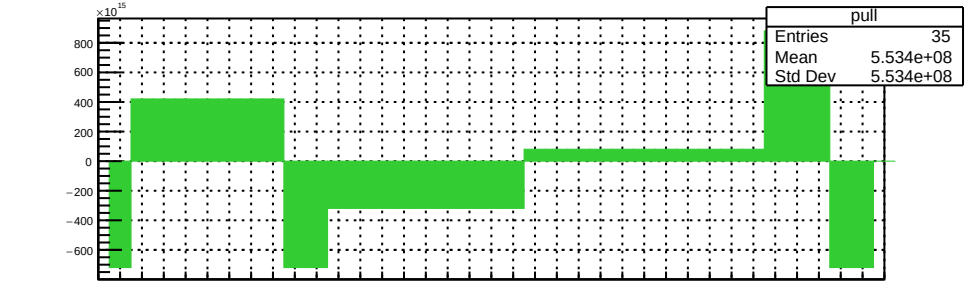

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.611e+37 / 34
p0 1097 ± 1.69e−16
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −4.346e+07
Std Dev 4.346e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

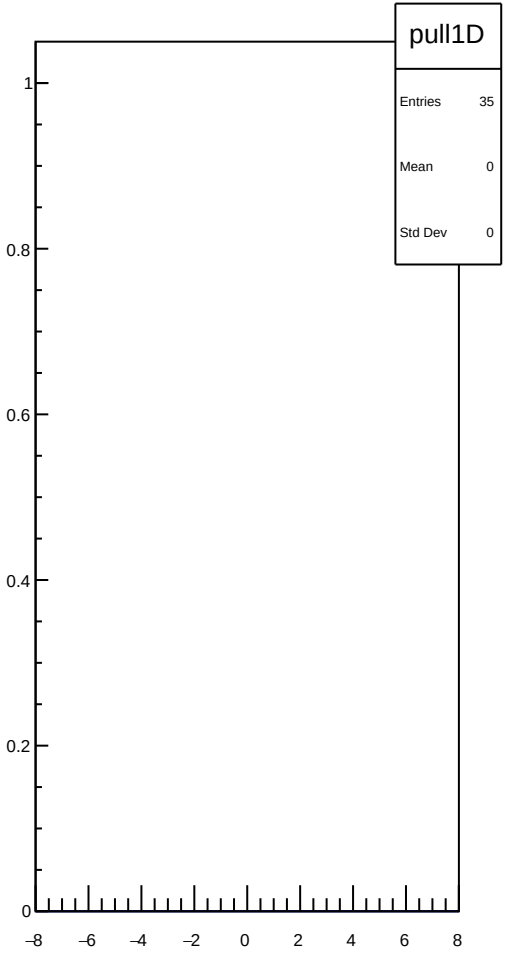

dit_4aX_coil7_mean vs run
χ² / ndf 3.934e+35 / 34
p0 259.5 ± 1.69e−16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
50
0
−50
−100
−150
−200
−250
pull
Entries 35
Mean −2.614e+07
Std Dev 2.614e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

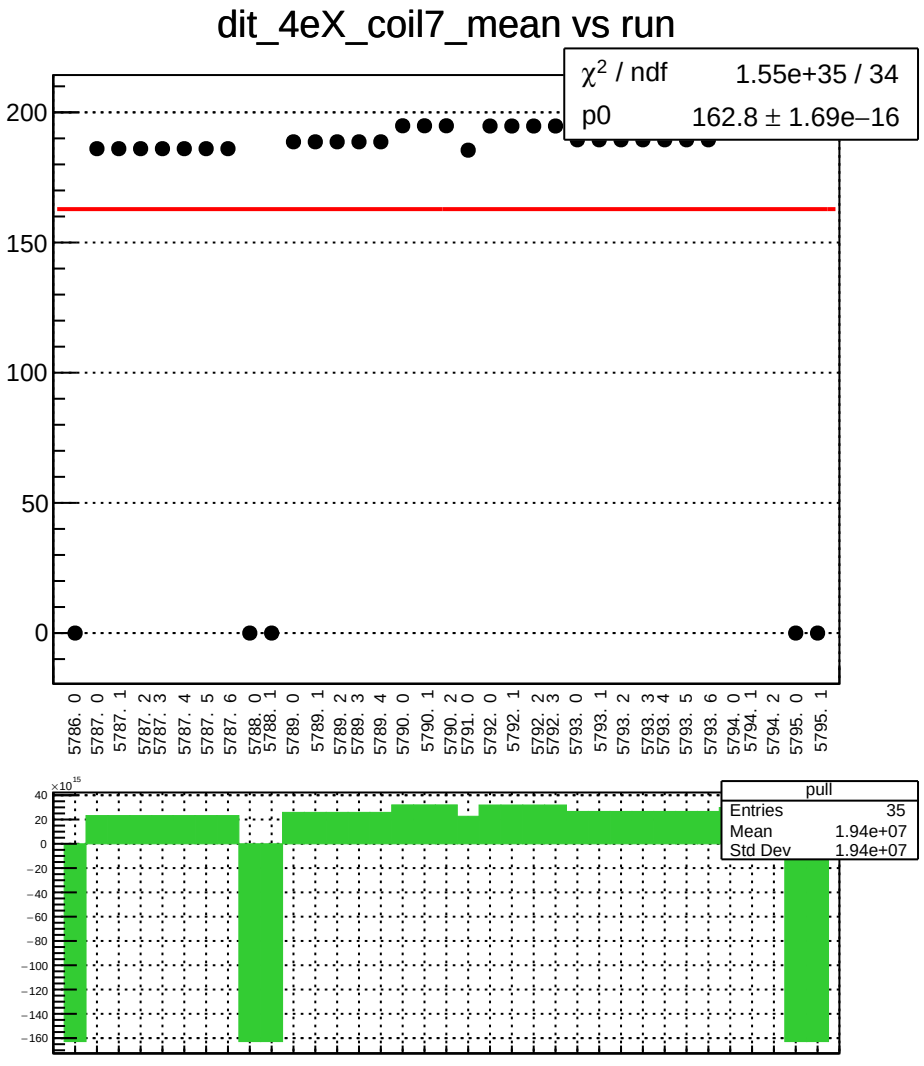

dit_4aX_coil7_err_mean vs run
χ² / ndf 7.687e+32 / 34
p0 9.234 ± 1.69e−16
pull
Entries 35
Mean −5.286e+08
Std Dev 5.286e+08
×10¹²

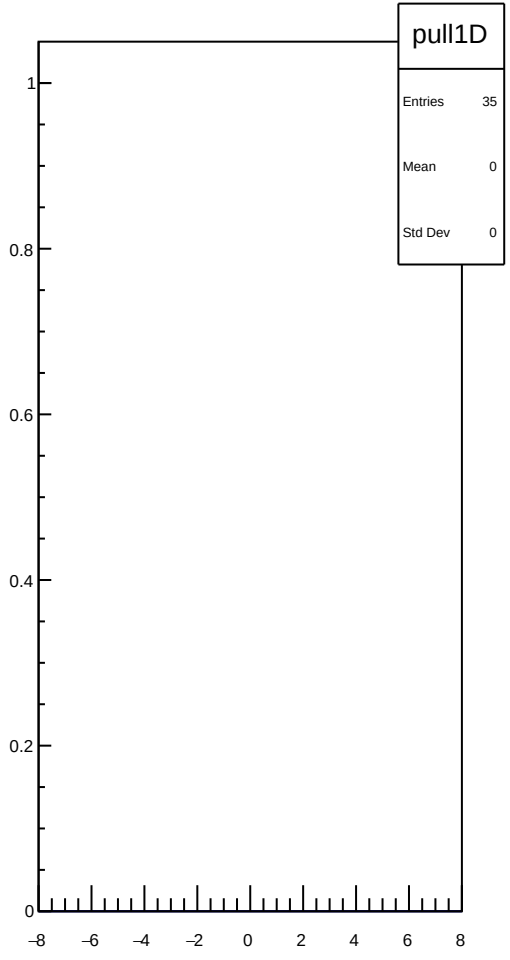

pull1D
Entries 35
Mean 0
Std Dev 0

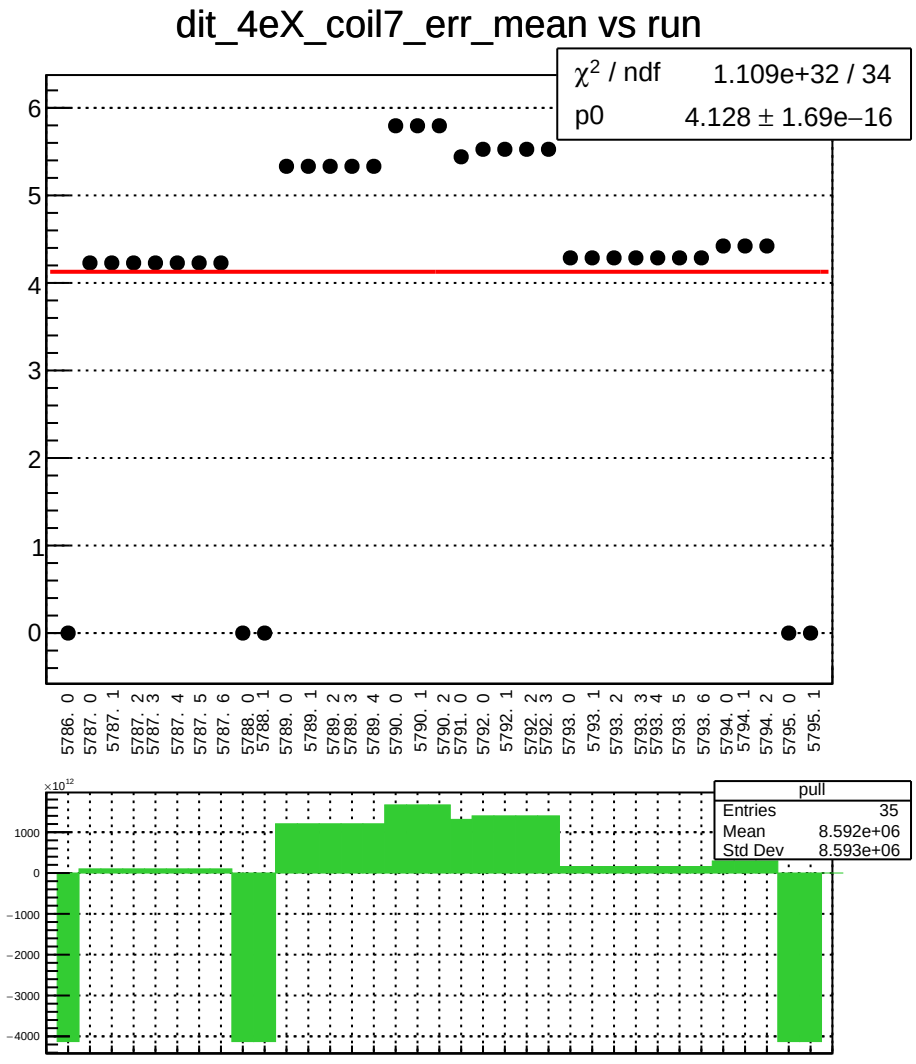

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

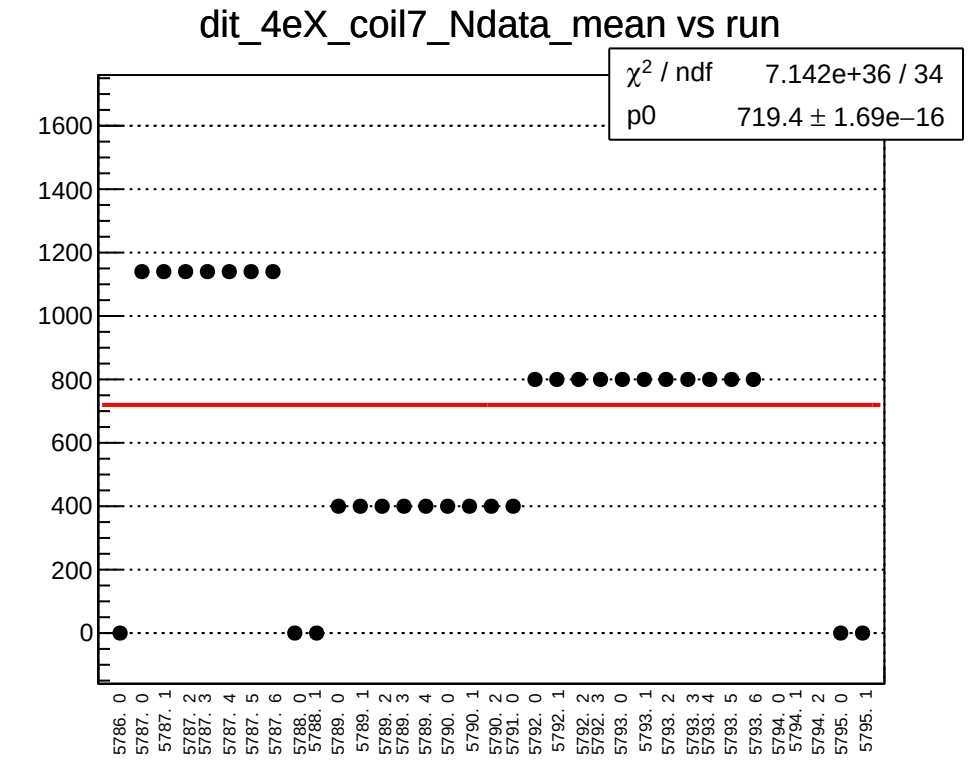

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

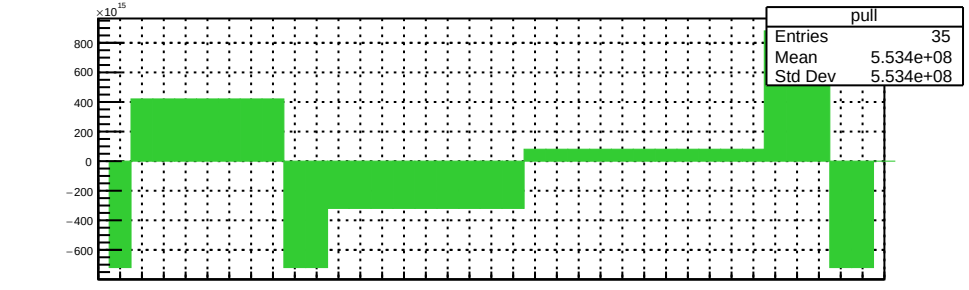

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

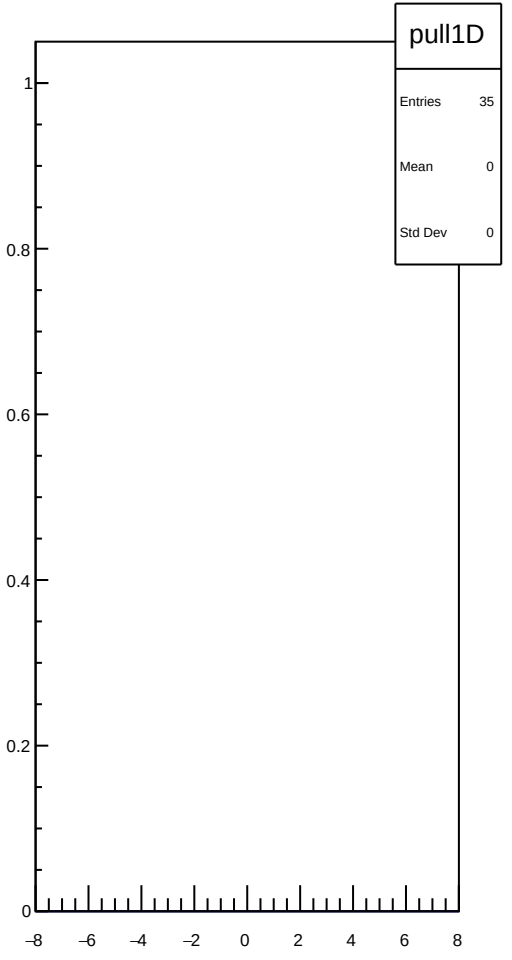

dit_4eX_coil7_mean vs run
χ² / ndf 1.55e+35 / 34
p0 162.8 ± 1.69e−16
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160
pull
Entries 35
Mean 1.94e+07
Std Dev 1.94e+07

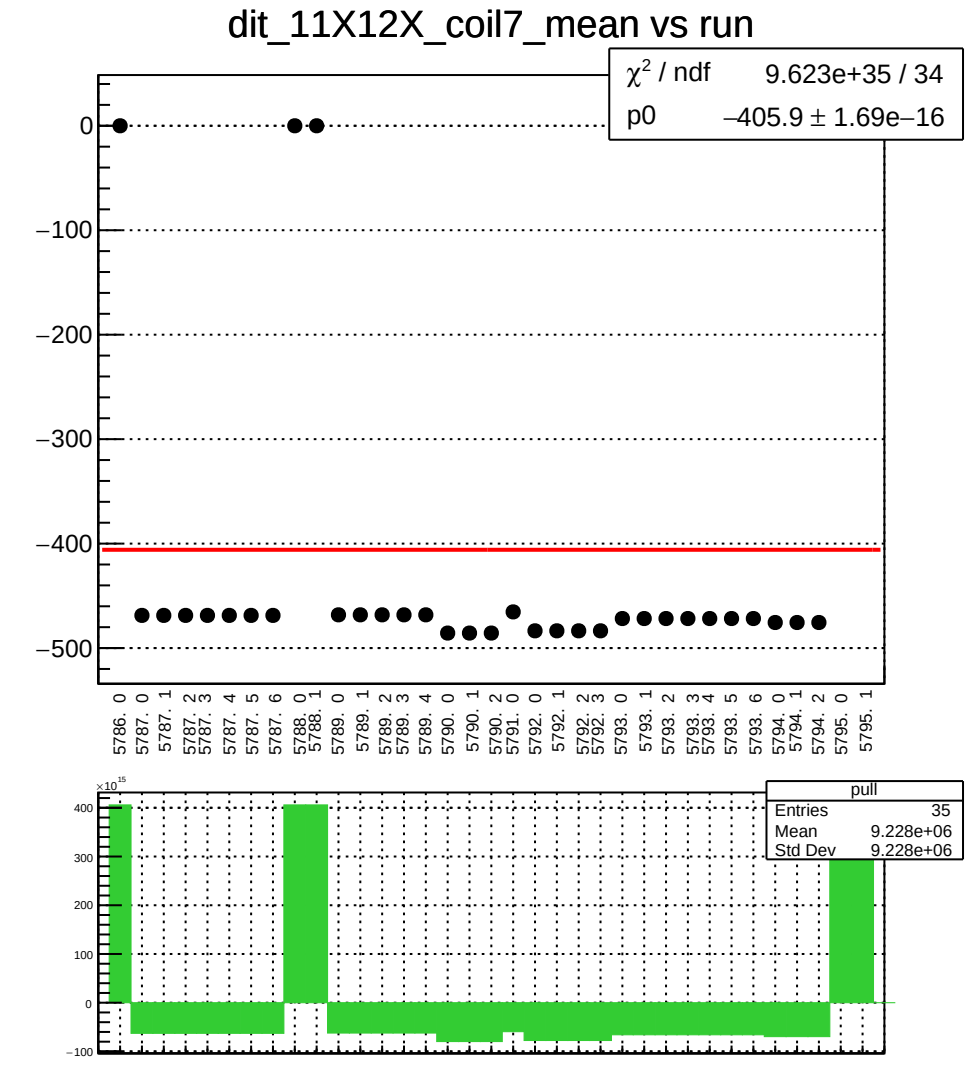

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

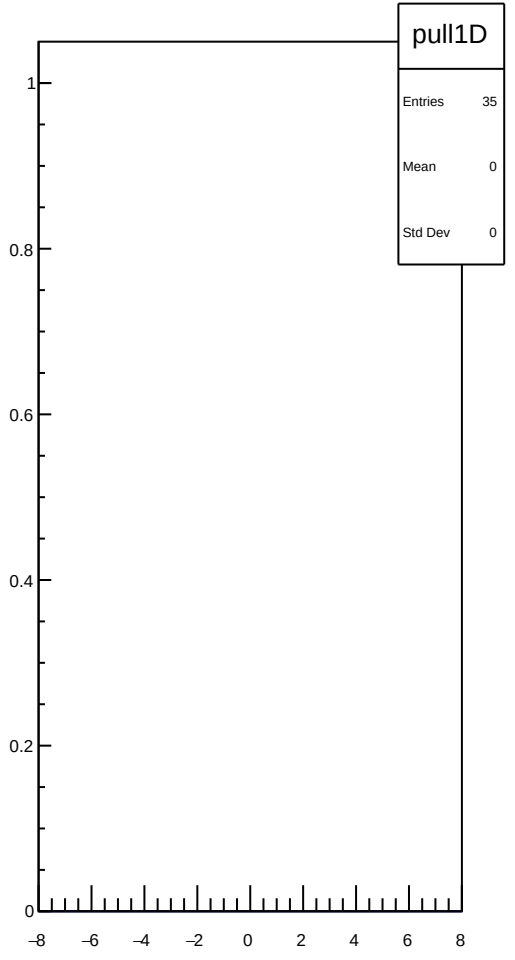

dit_4eX_coil7_err_mean vs run
χ² / ndf 1.109e+32 / 34
p0 4.128 ± 1.69e−16
pull
Entries 35
Mean 8.592e+06
Std Dev 8.593e+06
pull1D
Entries 35
Mean 0
Std Dev 0

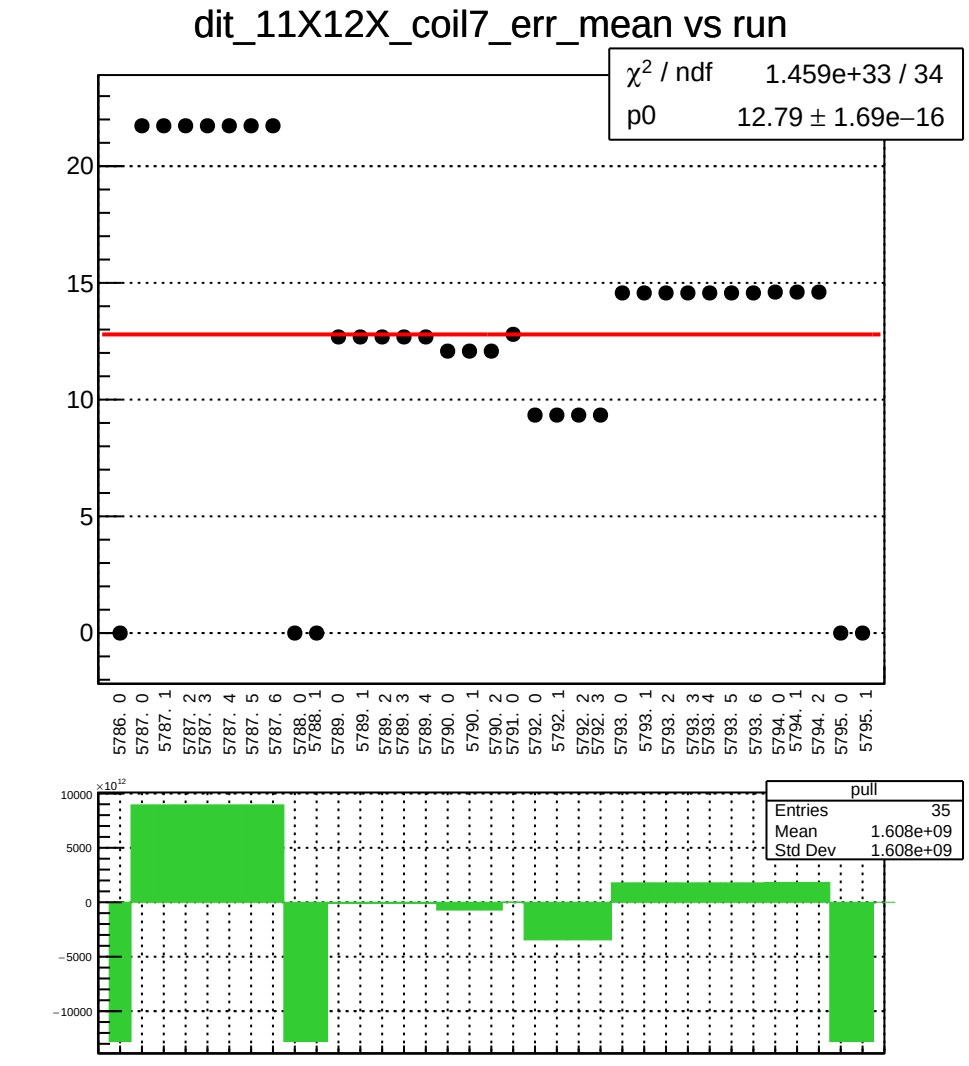

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

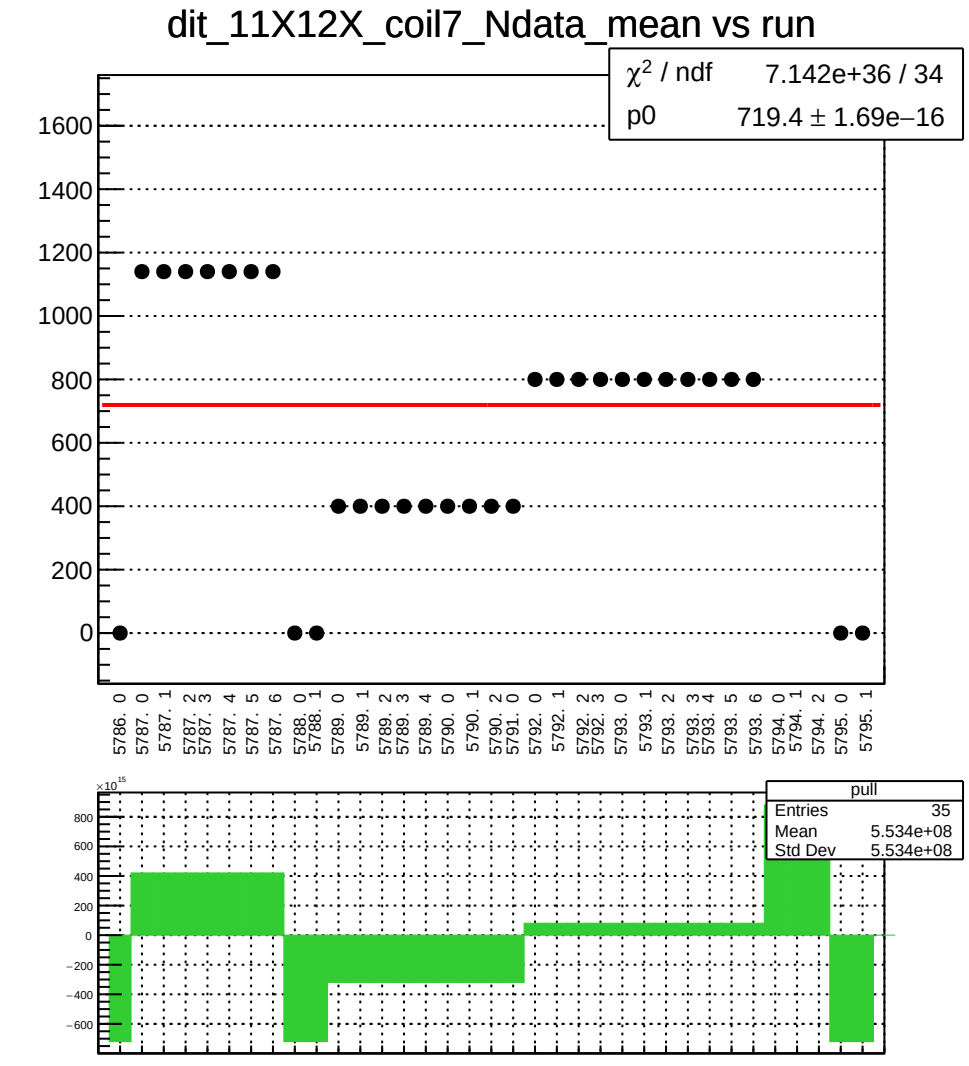

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

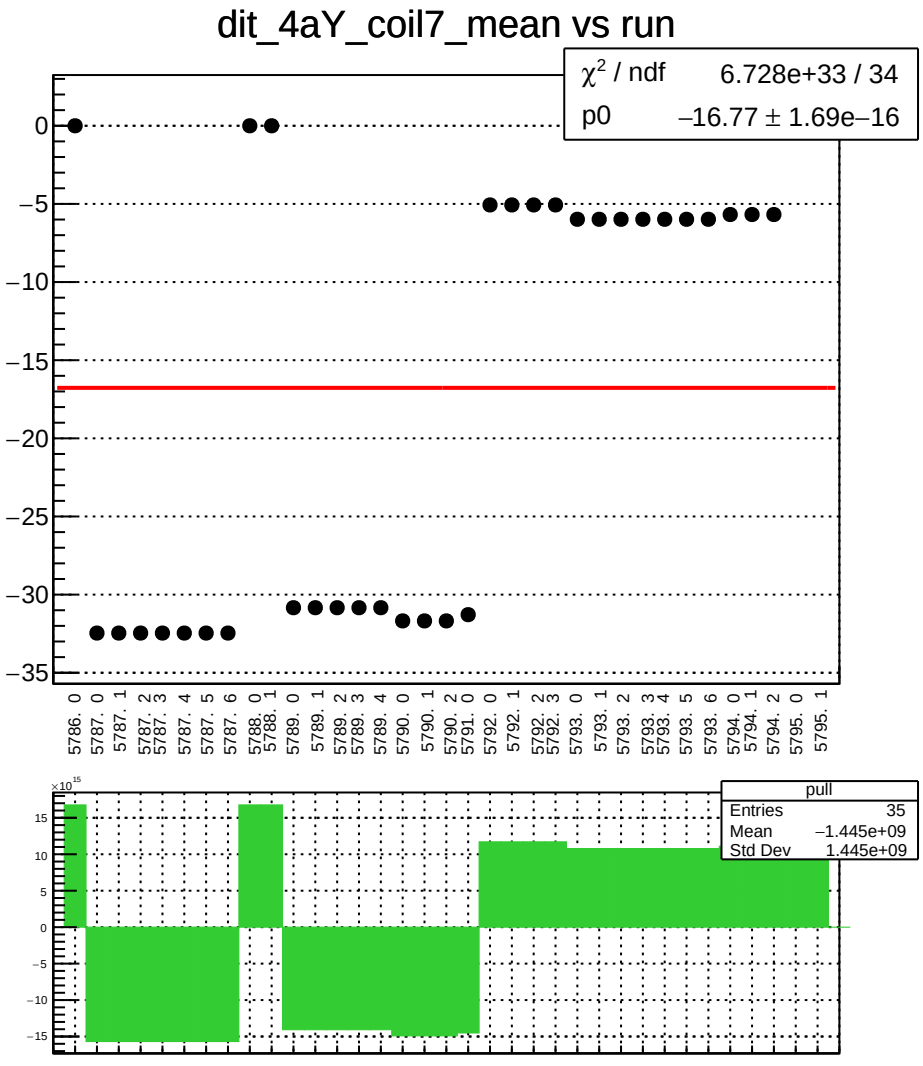

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

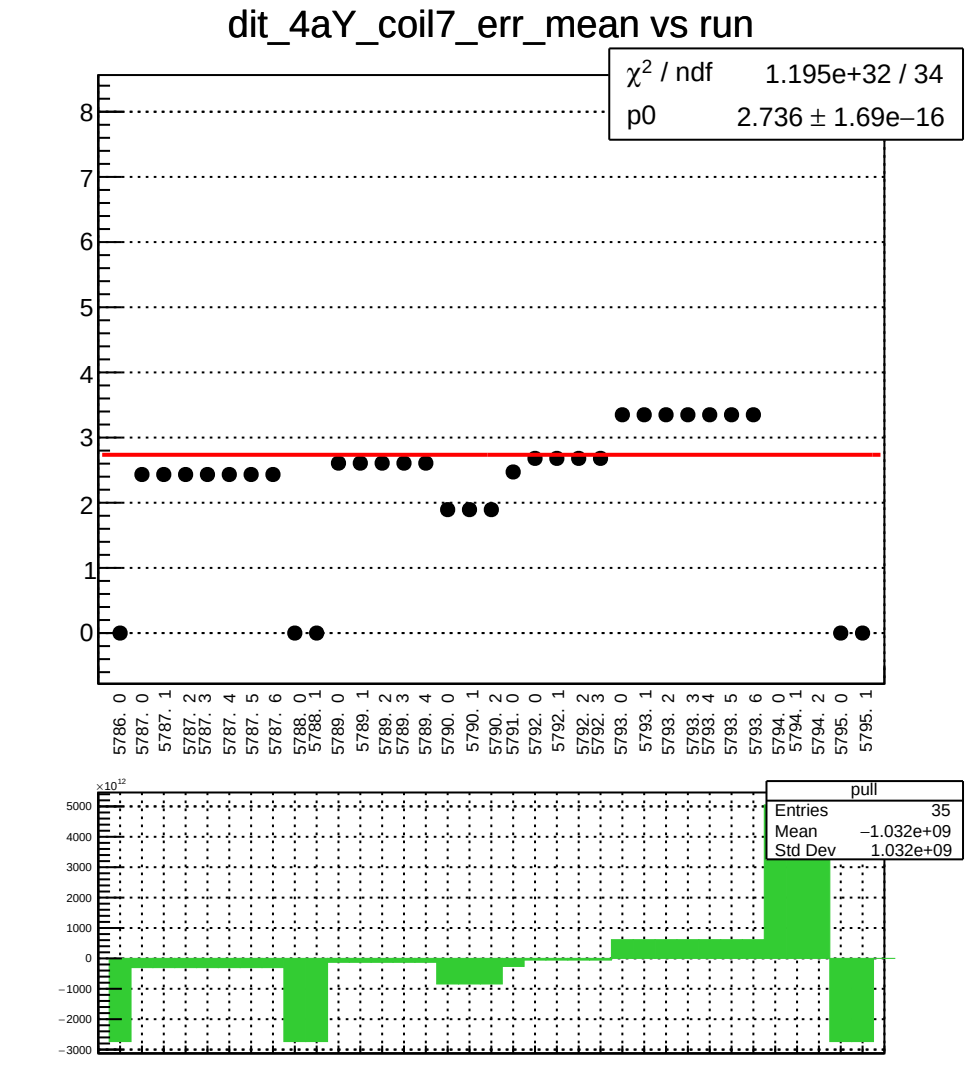

dit_11X12X_coil7_mean vs run
χ² / ndf 9.623e+35 / 34
p0 –405.9 ± 1.69e–16
0
–100
–200
–300
–400
–500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
300
200
100
0
–100
pull
Entries 35
Mean 9.228e+06
Std Dev 9.228e+06

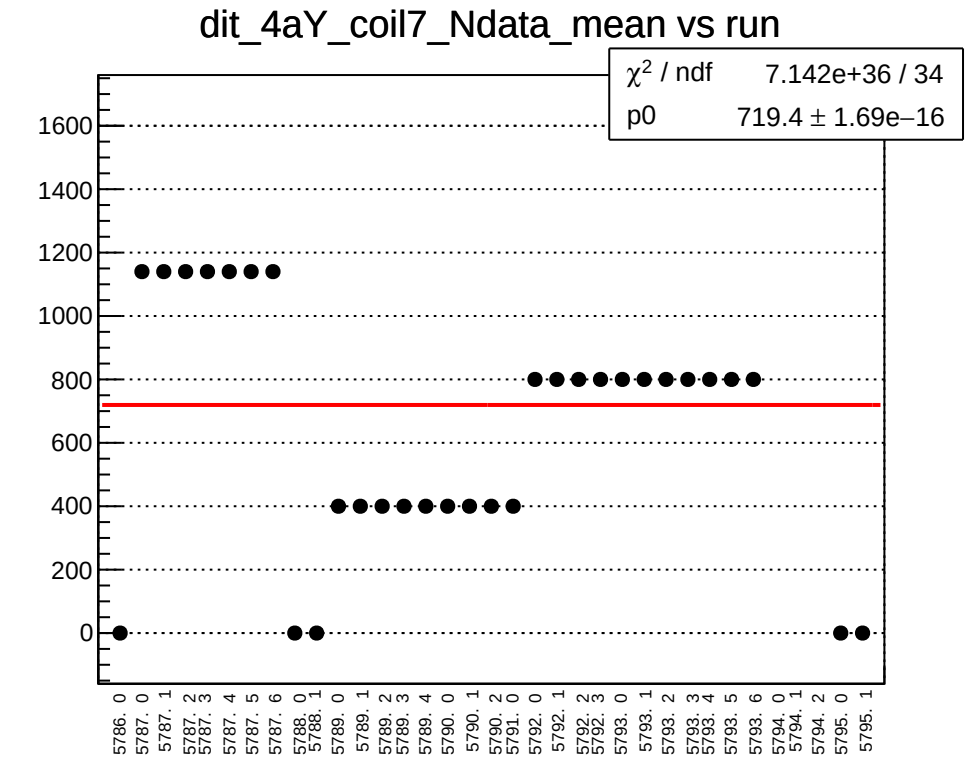

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

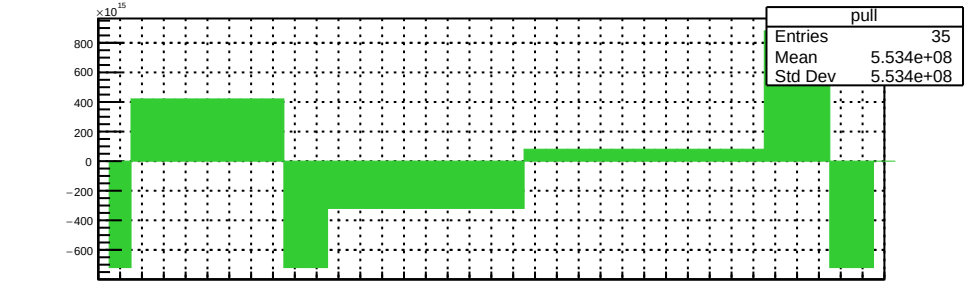

dit_11X12X_coil7_err_mean vs run
χ² / ndf 1.459e+33 / 34
p0 12.79 ± 1.69e−16
20
15
10
5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
10000
5000
0
−5000
−10000
pull
Entries 35
Mean 1.608e+09
Std Dev 1.608e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

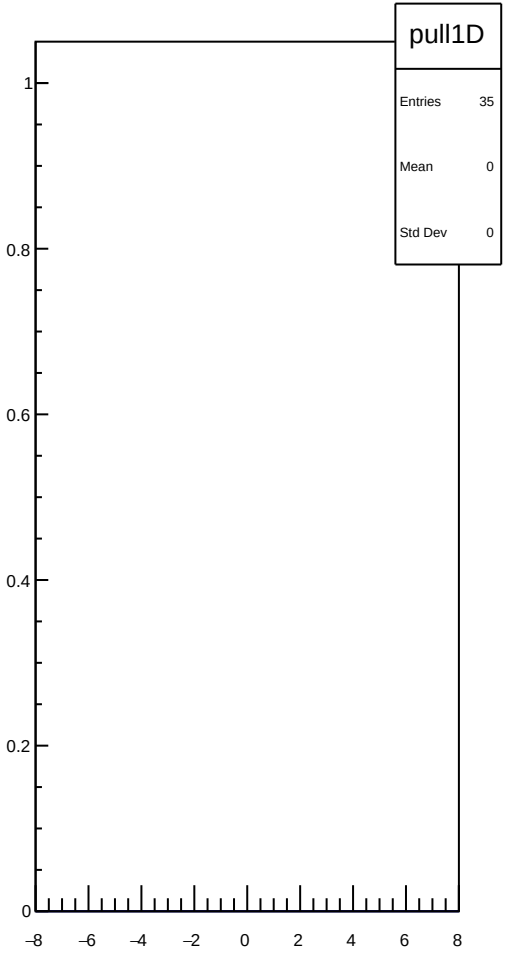

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

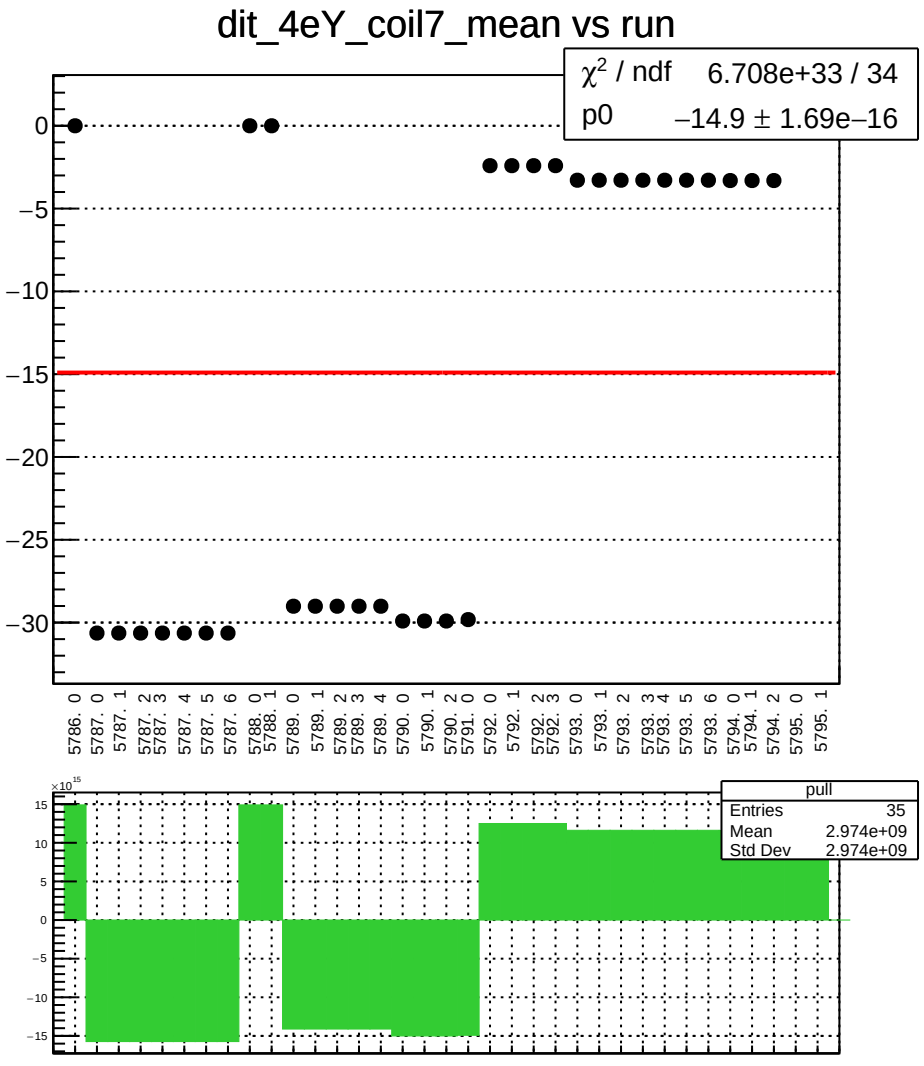

dit_4aY_coil7_mean vs run
χ² / ndf 6.728e+33 / 34
p0 –16.77 ± 1.69e–16
0
–5
–10
–15
–20
–25
–30
–35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
15
10
5
0
–5
–10
–15
pull
Entries 35
Mean –1.445e+09
Std Dev 1.445e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

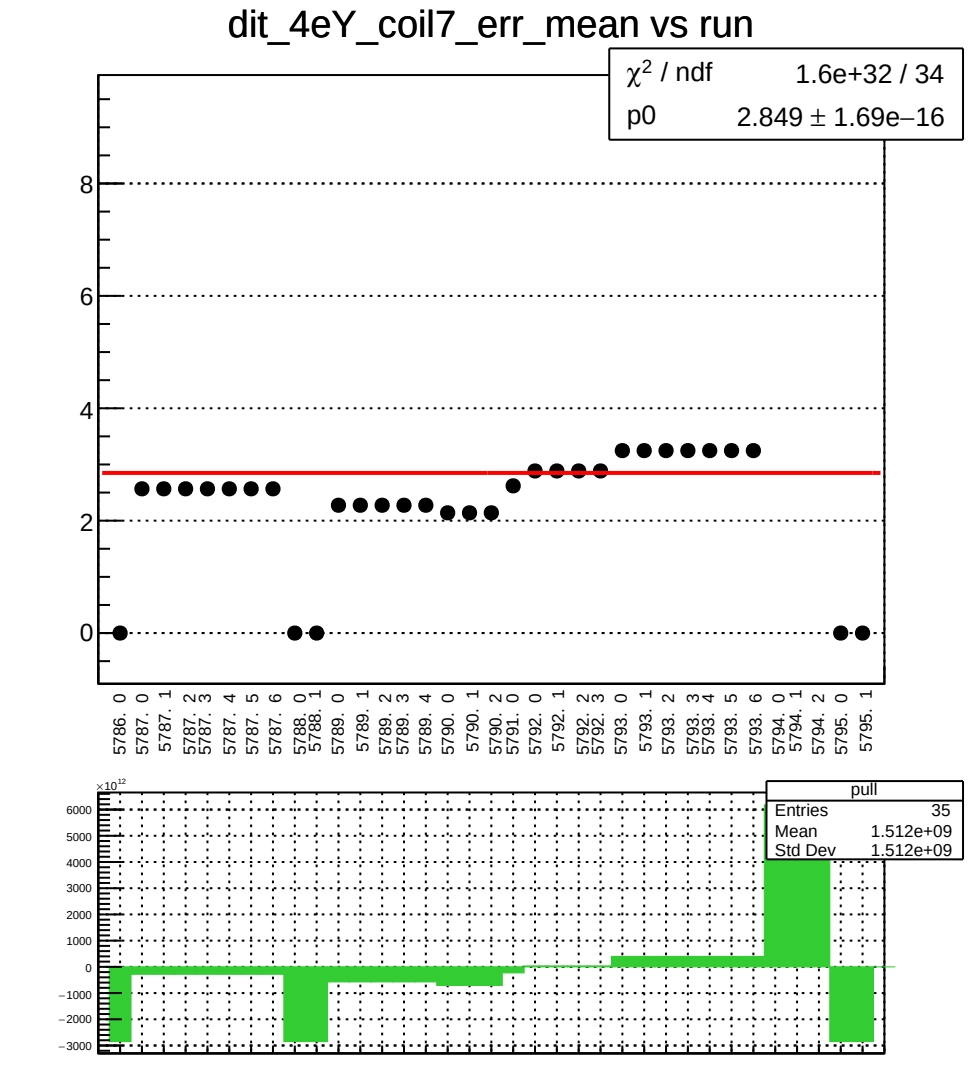

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.195e+32 / 34
p0 2.736 ± 1.69e−16
pull
Entries 35
Mean −1.032e+09
Std Dev 1.032e+09
pull1D
Entries 35
Mean 0
Std Dev 0

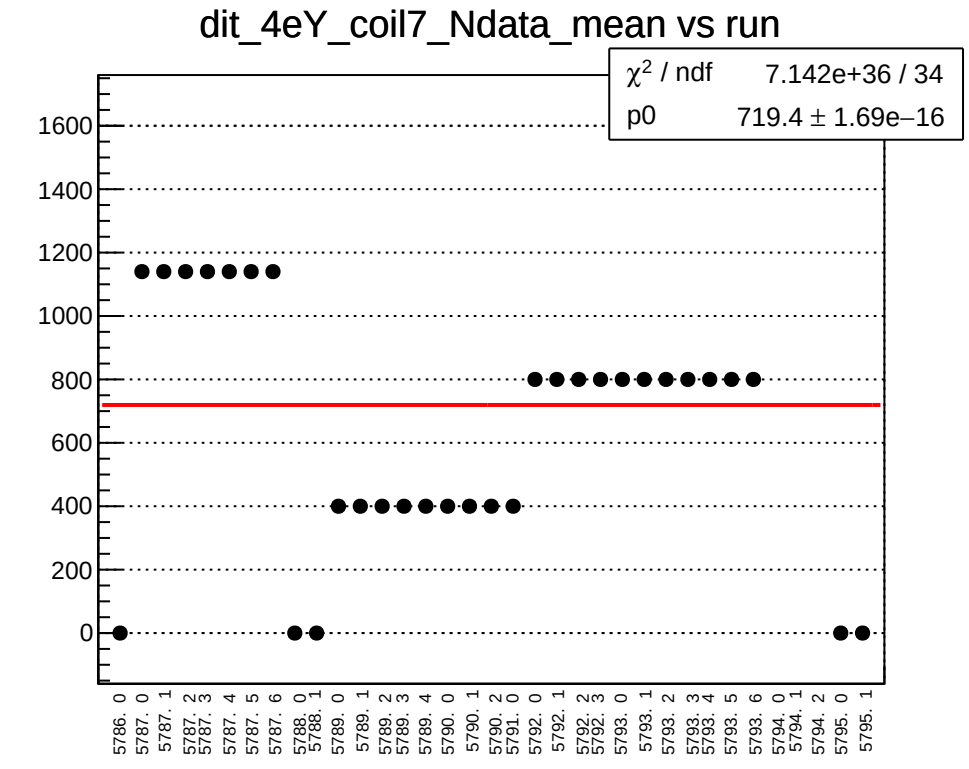

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

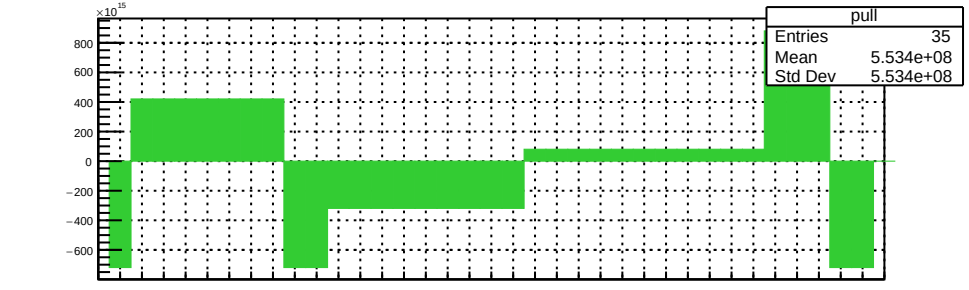

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

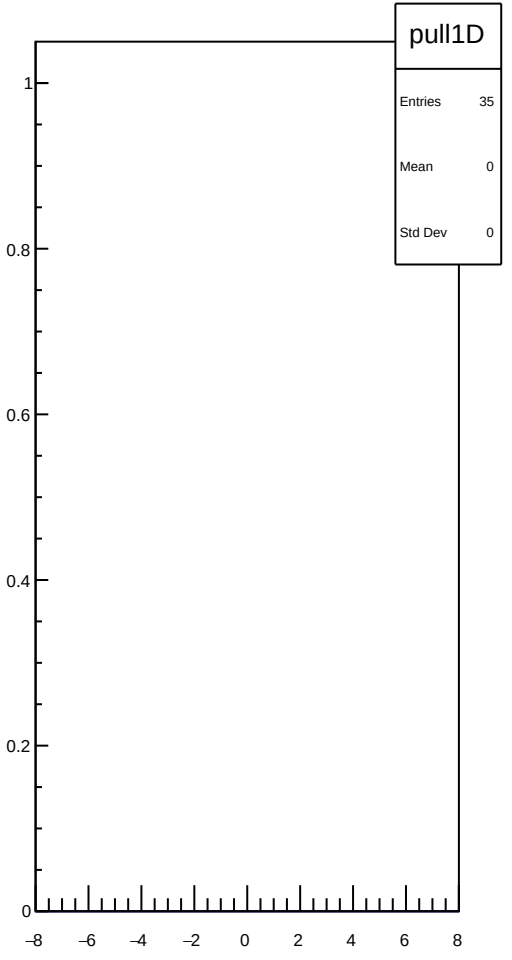

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

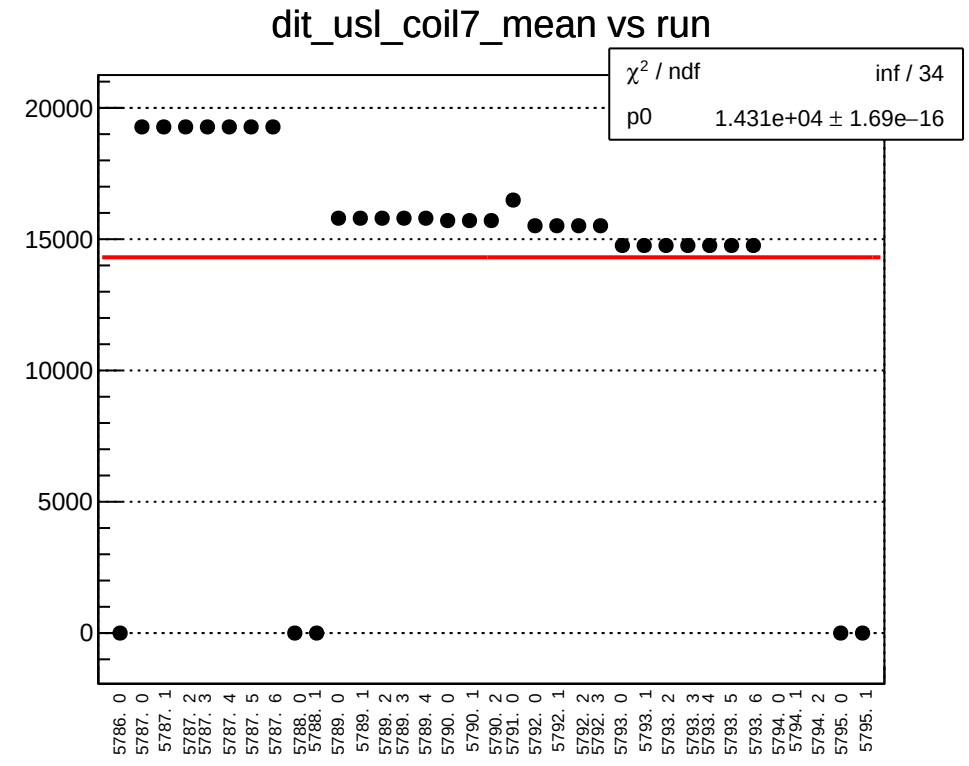

dit_4eY_coil7_mean vs run
χ² / ndf 6.708e+33 / 34
p0 −14.9 ± 1.69e−16
0
−5
−10
−15
−20
−25
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
15
10
5
0
−5
−10
−15
pull
Entries 35
Mean 2.974e+09
Std Dev 2.974e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

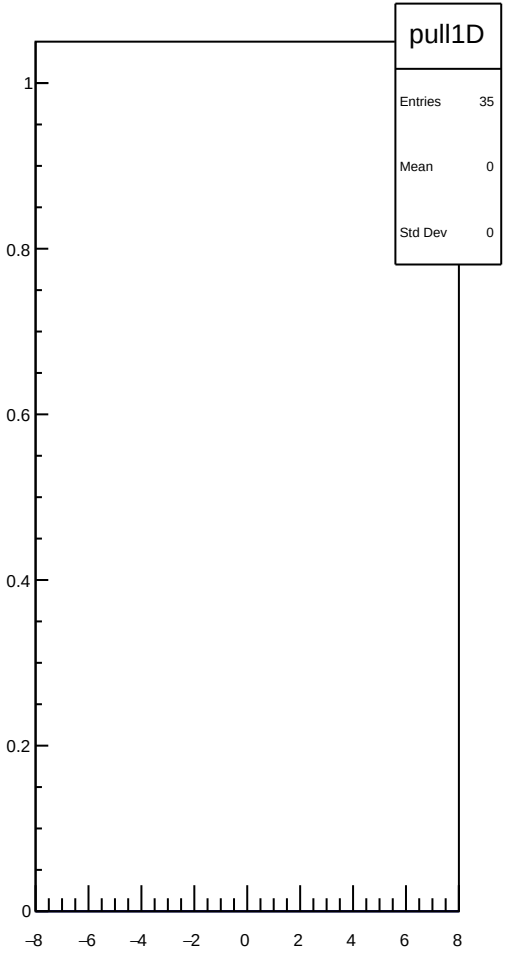

dit_4eY_coil7_err_mean vs run
χ² / ndf 1.6e+32 / 34
p0 2.849 ± 1.69e−16
0
2
4
6
8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
6000
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 35
Mean 1.512e+09
Std Dev 1.512e+09
pull1D
Entries 35
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

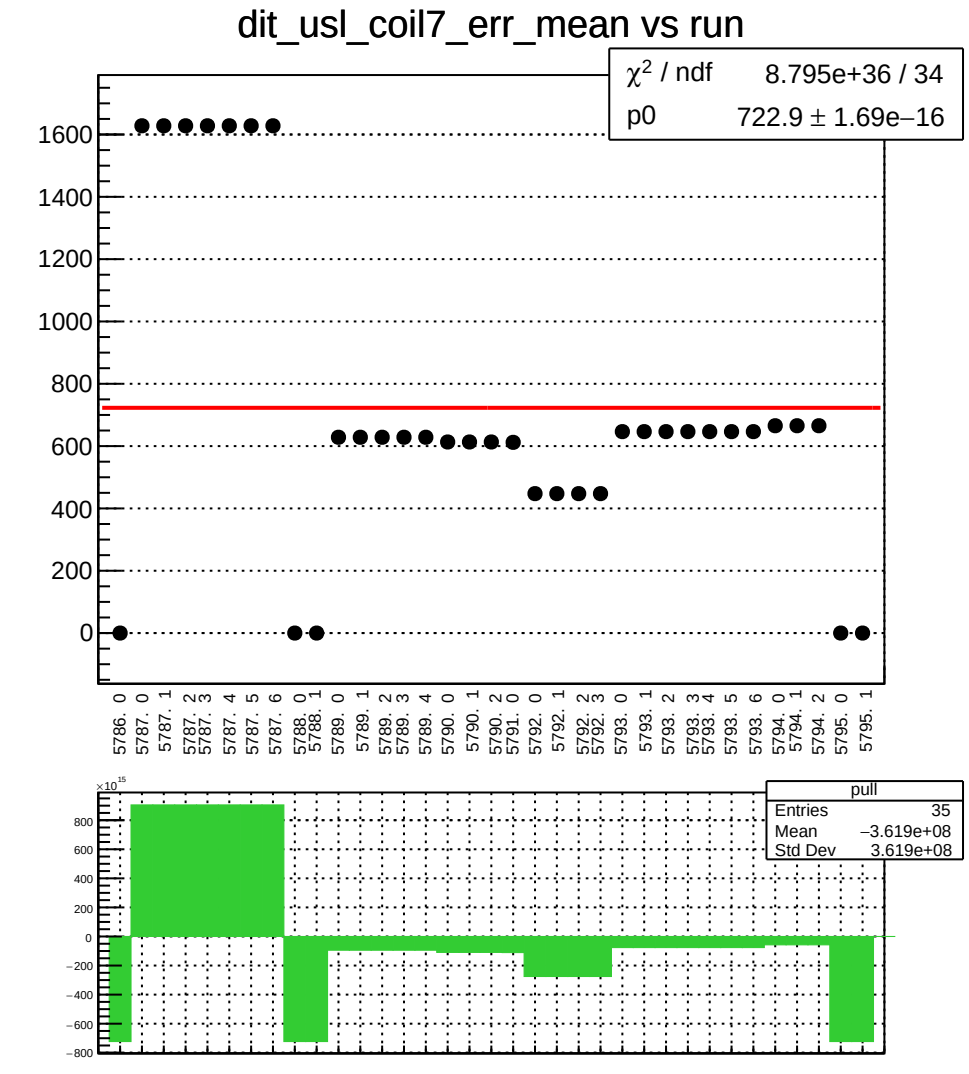

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

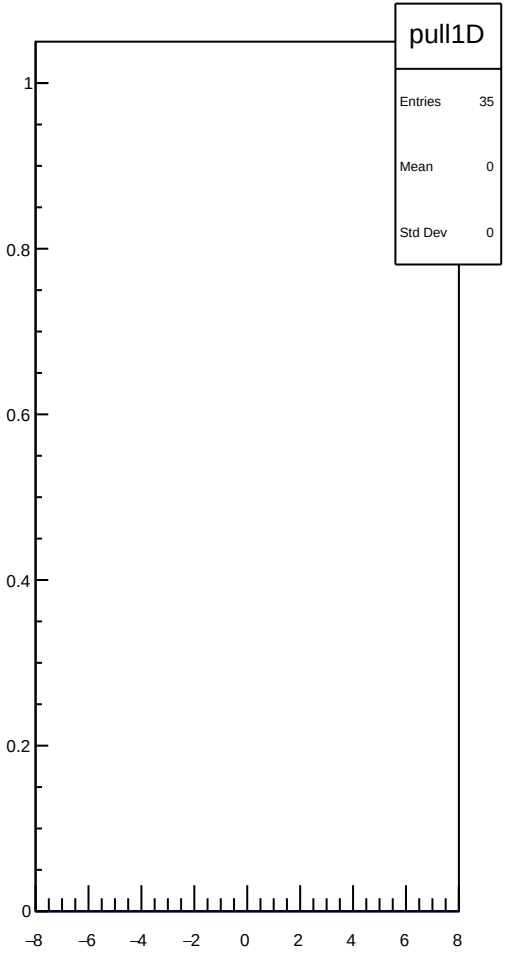

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

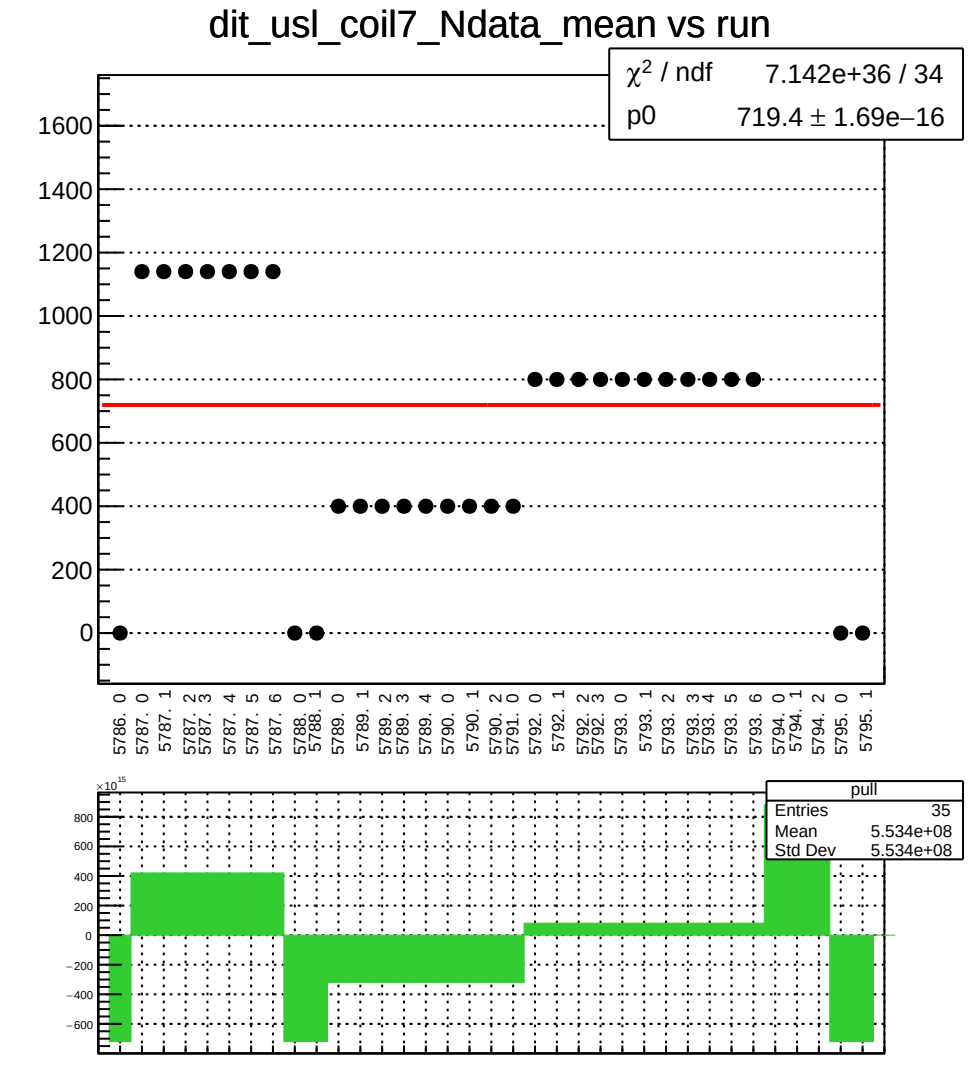

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

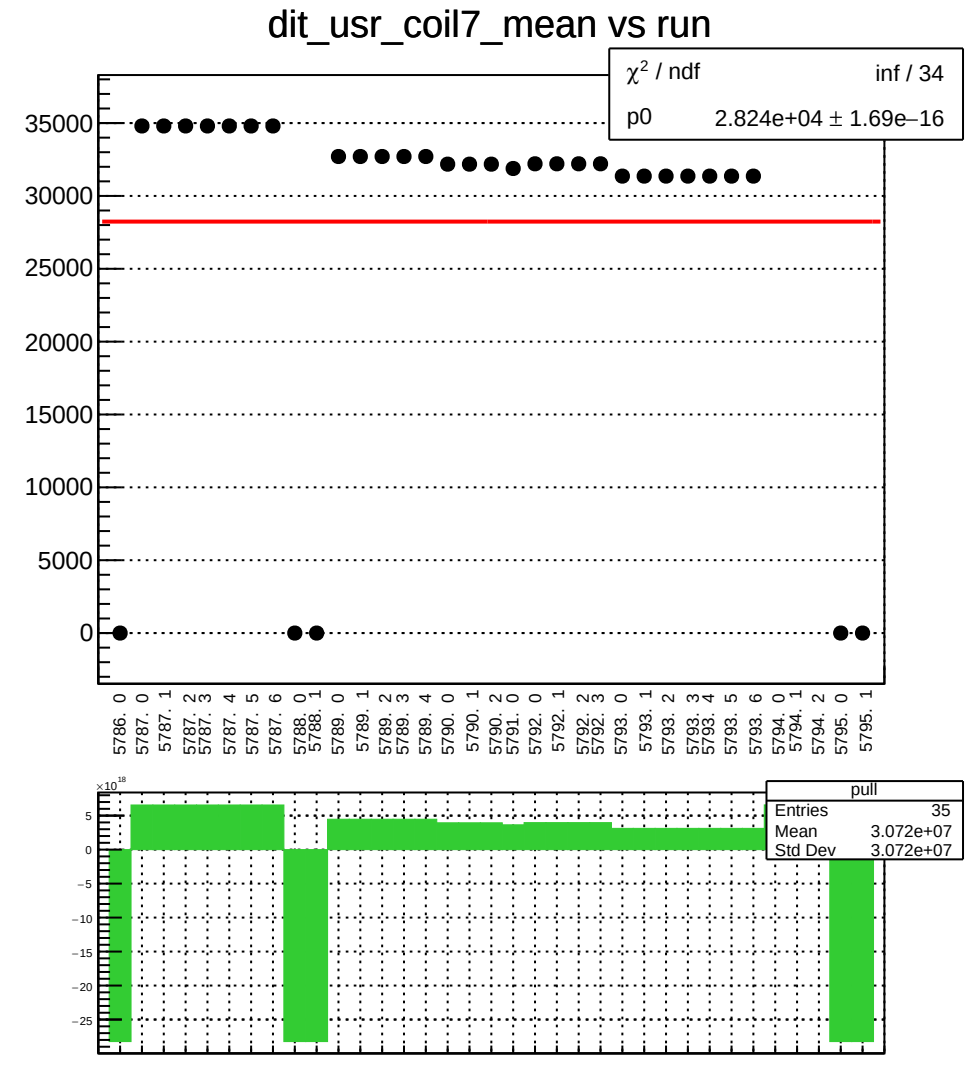

dit_usl_coil7_mean vs run
χ² / ndf inf / 34
p0 1.431e+04 ± 1.69e−16
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
pull
Entries 35
Mean 5.151e+07
Std Dev 5.151e+07

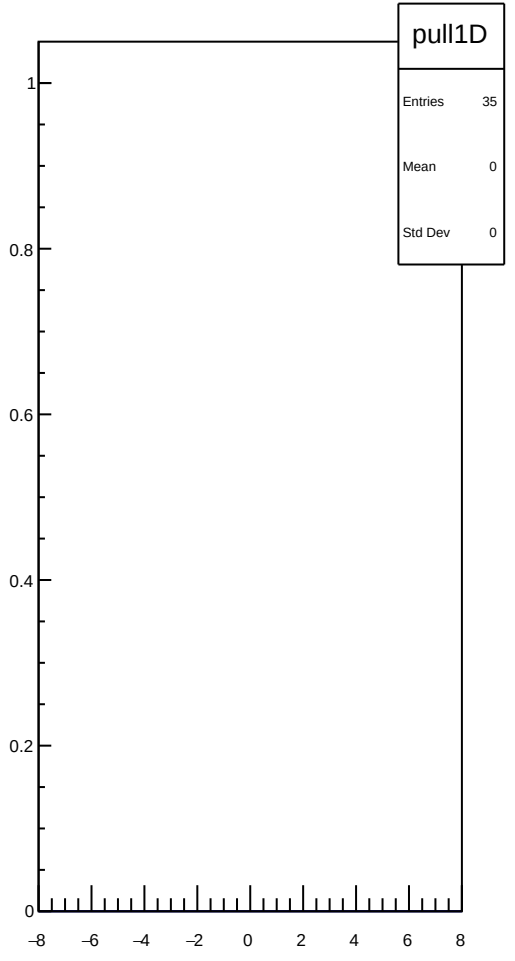

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

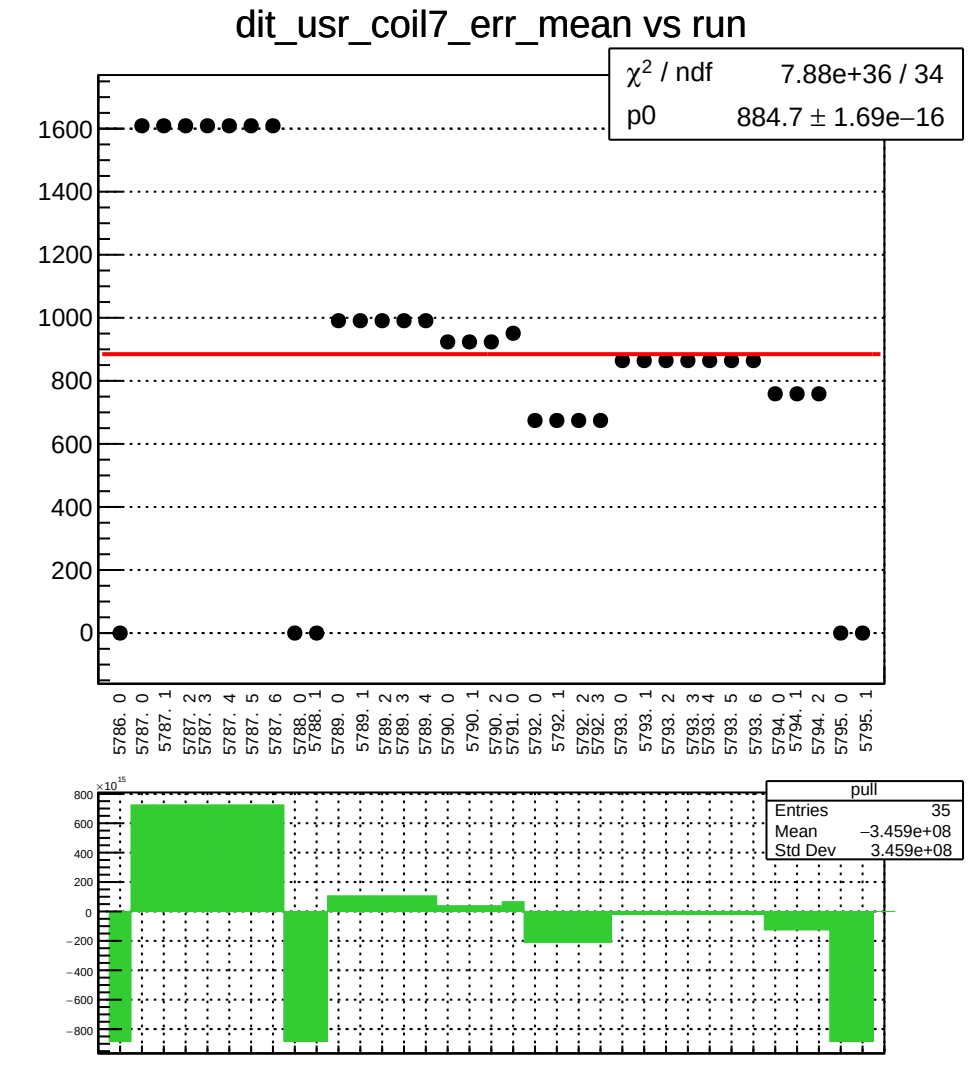

dit_usl_coil7_err_mean vs run
χ² / ndf 8.795e+36 / 34
p0 722.9 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −3.619e+08
Std Dev 3.619e+08

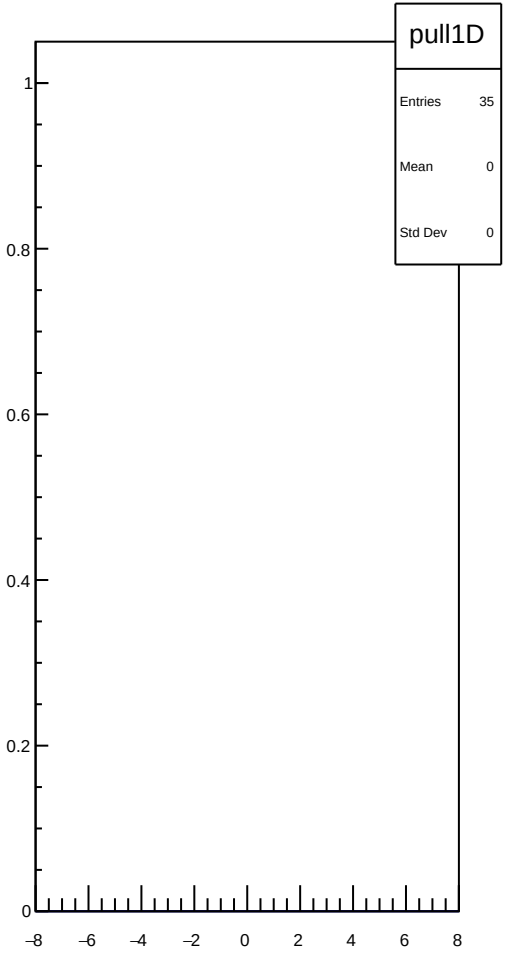

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

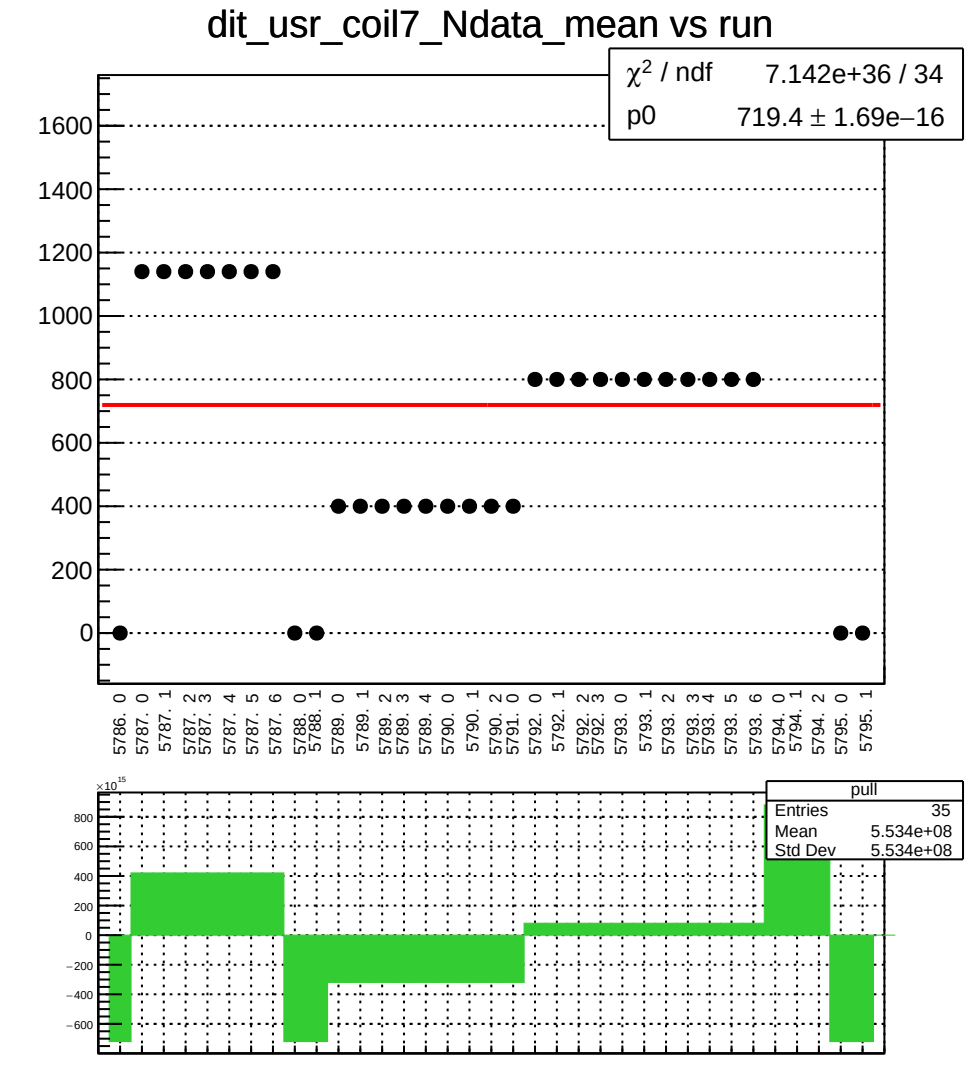

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

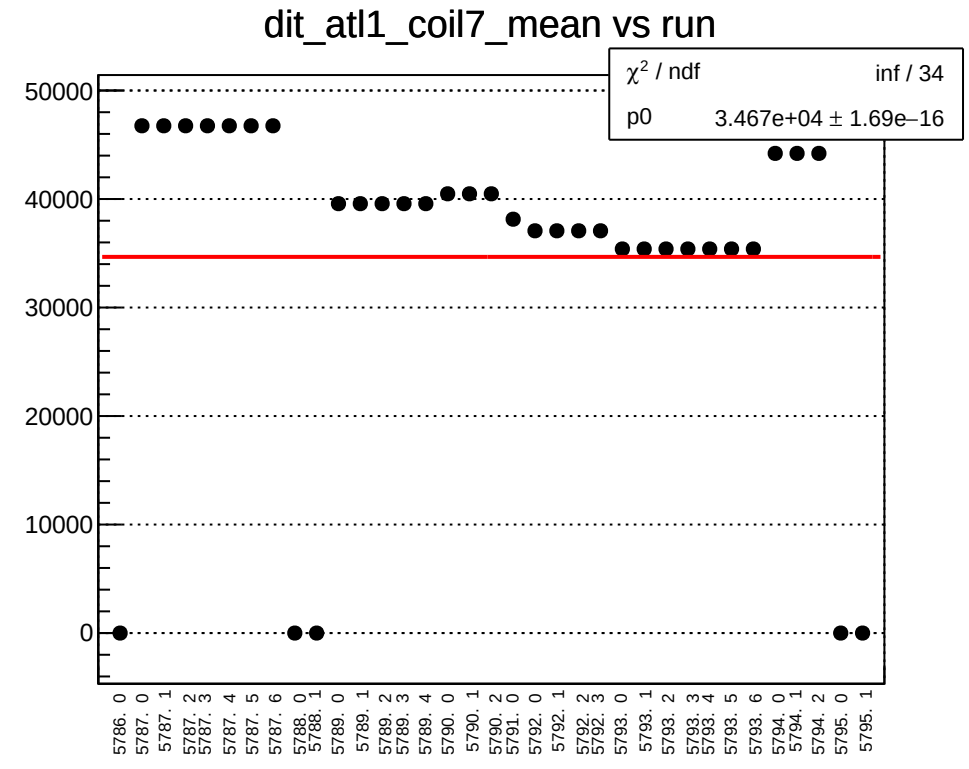

dit_usr_coil7_mean vs run
χ² / ndf inf / 34
p0 2.824e+04 ± 1.69e−16
35000
30000
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 35
Mean 3.072e+07
Std Dev 3.072e+07

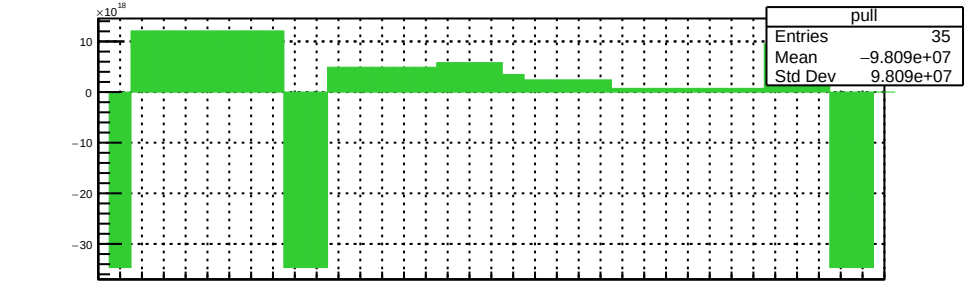

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

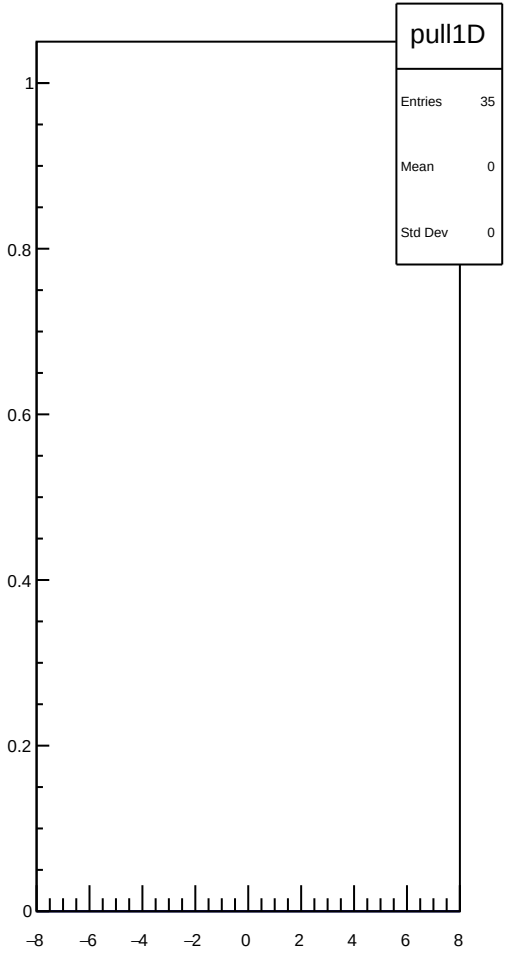

dit_usr_coil7_err_mean vs run
χ² / ndf 7.88e+36 / 34
p0 884.7 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean −3.459e+08
Std Dev 3.459e+08

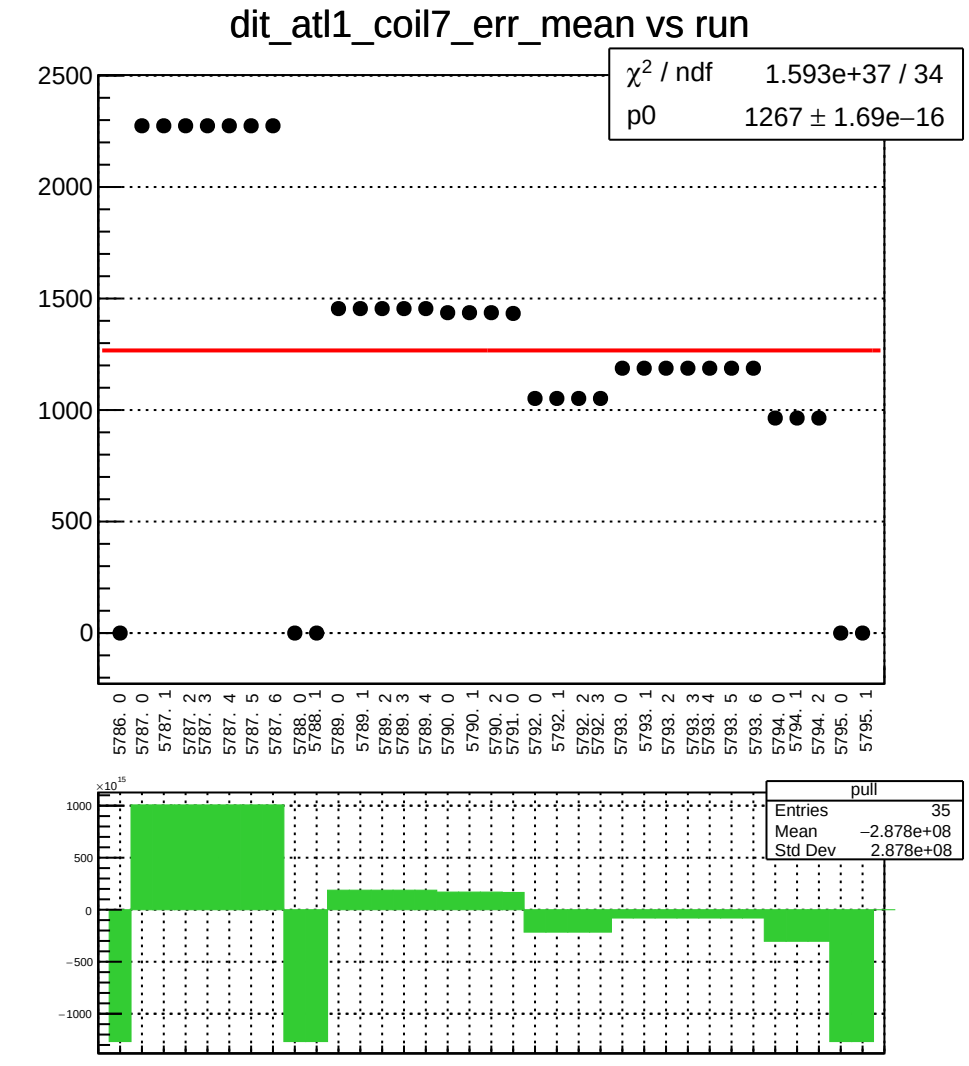

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

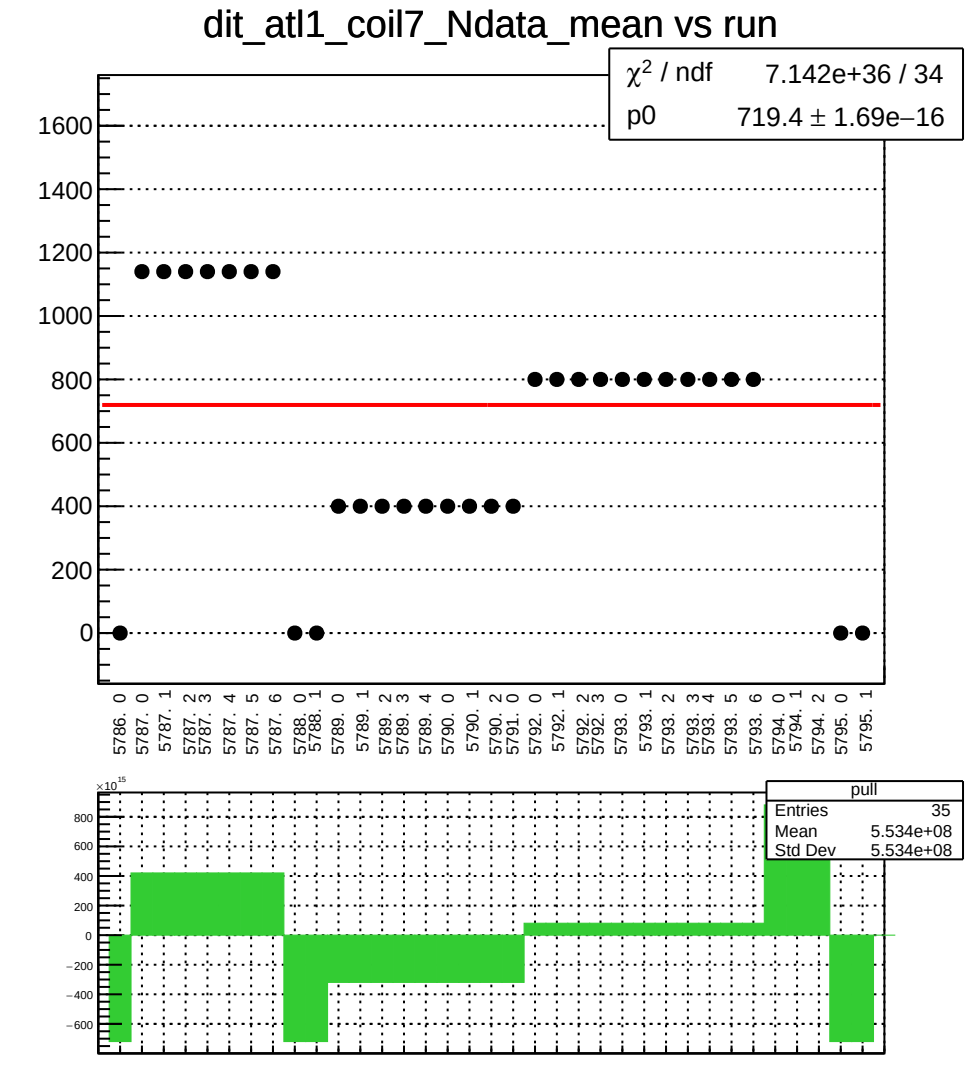

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

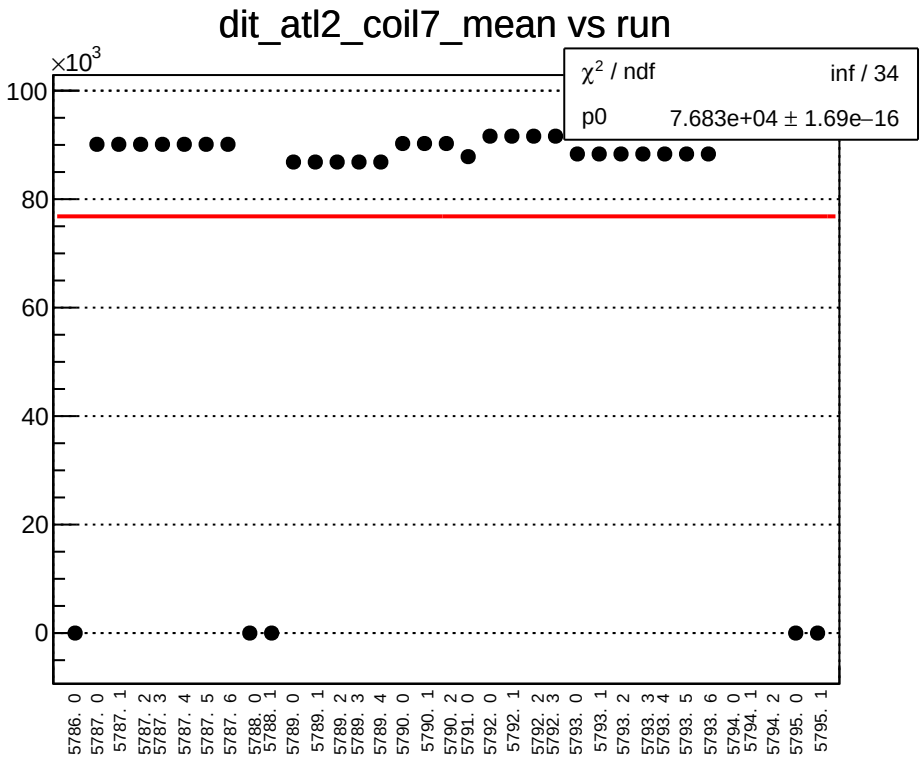

dit_atl1_coil7_mean vs run
χ² / ndf inf / 34
p0 3.467e+04 ± 1.69e−16
50000
40000
30000
20000
10000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

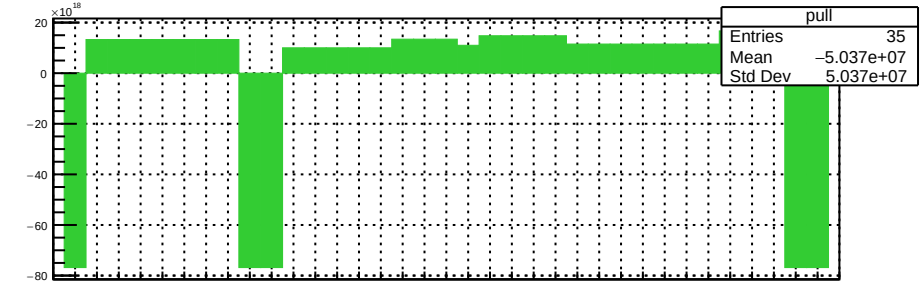

×10¹⁸
10
0
−10
−20
−30
pull
Entries 35
Mean −9.809e+07
Std Dev 9.809e+07

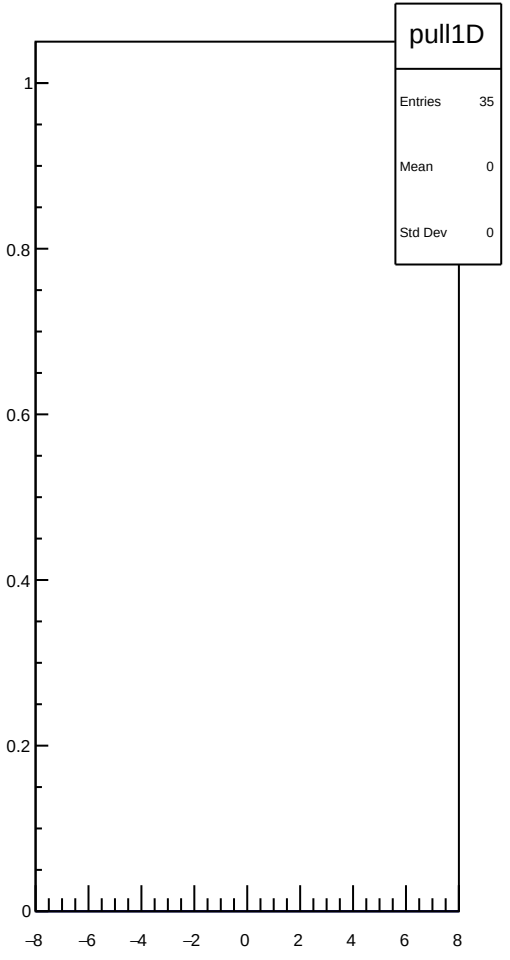

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

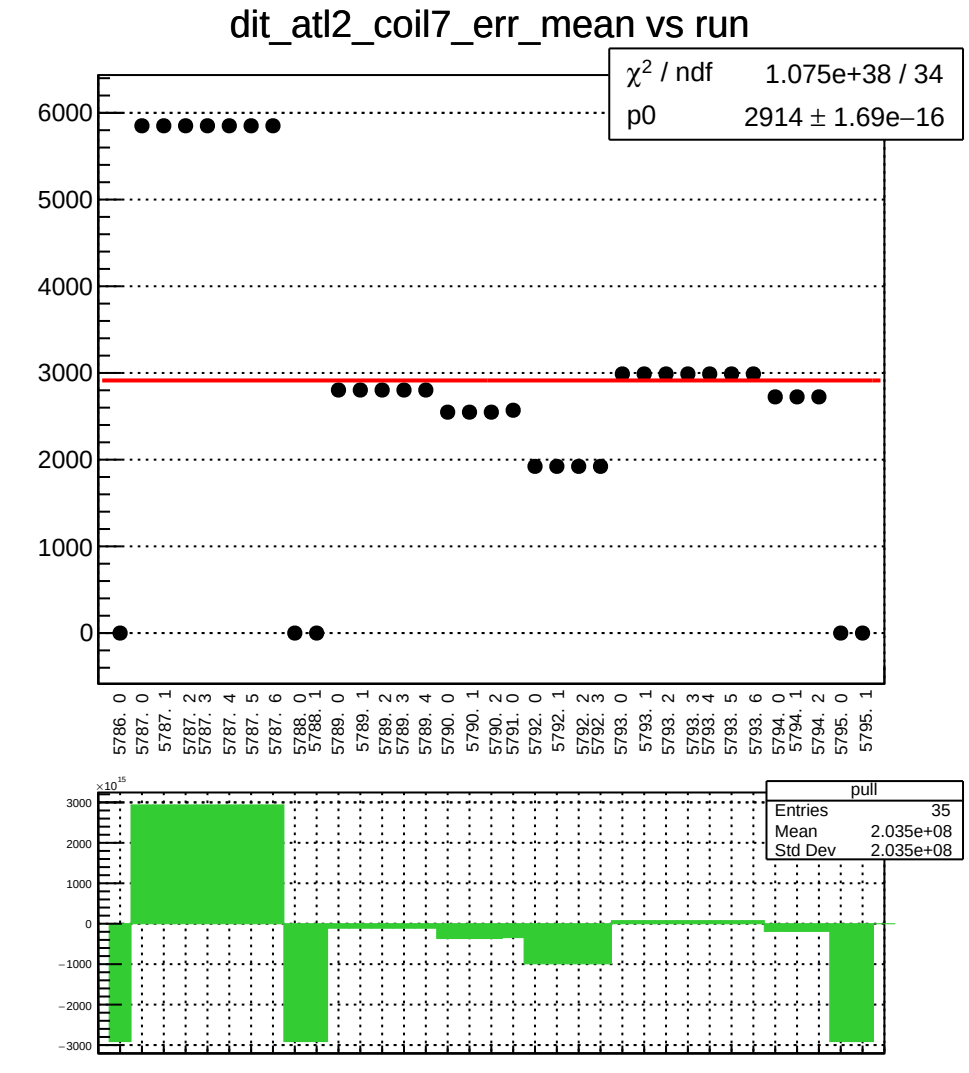

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.593e+37 / 34
p0 1267 ± 1.69e−16
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean −2.878e+08
Std Dev 2.878e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

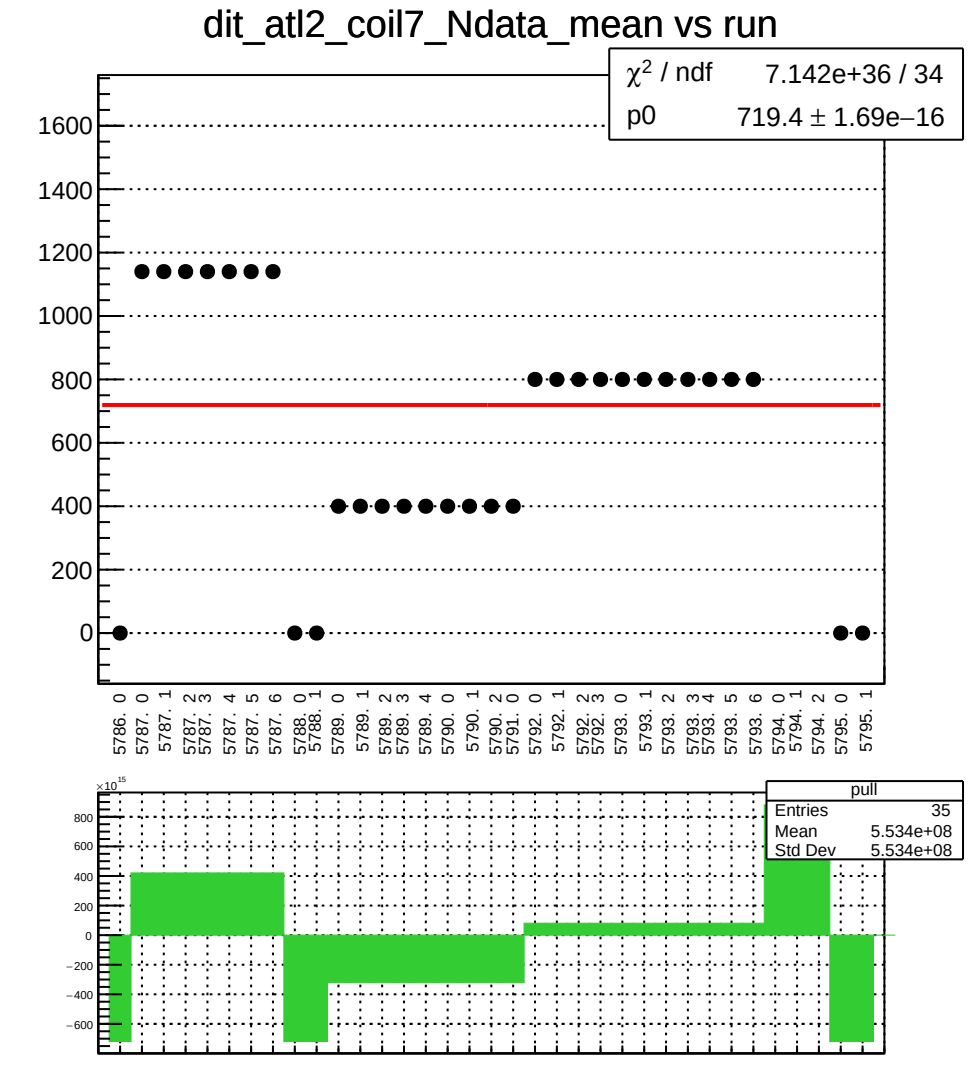

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

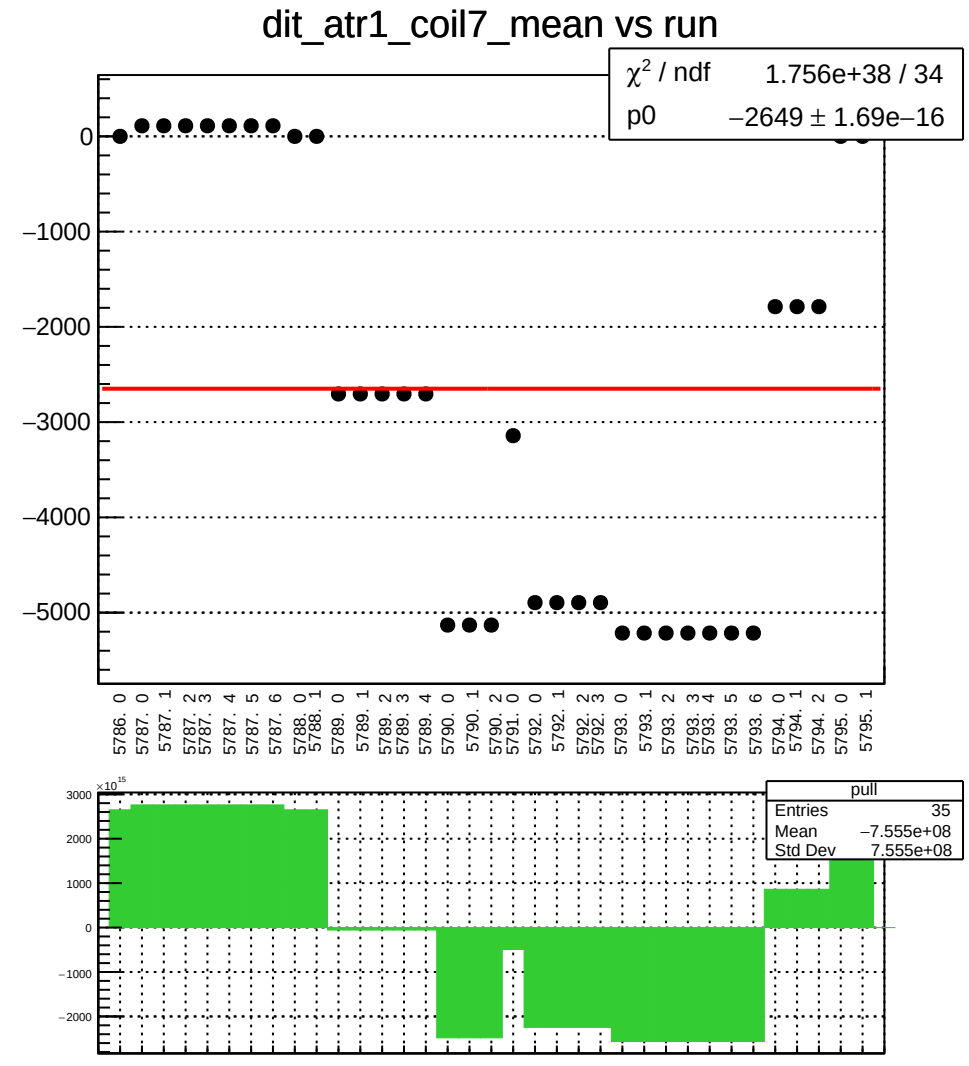

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 34
p0 7.683e+04 ± 1.69e−16
100
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

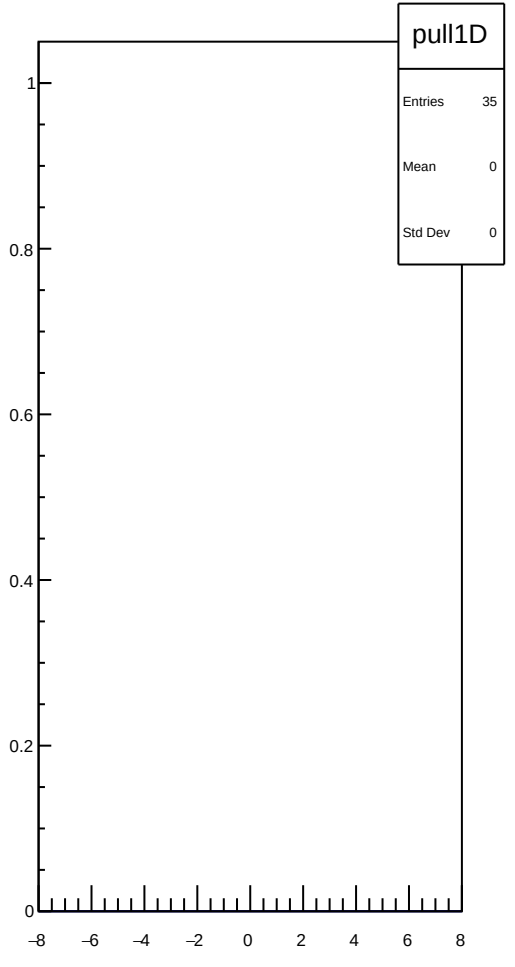

×10^18
20
0
−20
−40
−60
−80
pull
Entries 35
Mean −5.037e+07
Std Dev 5.037e+07

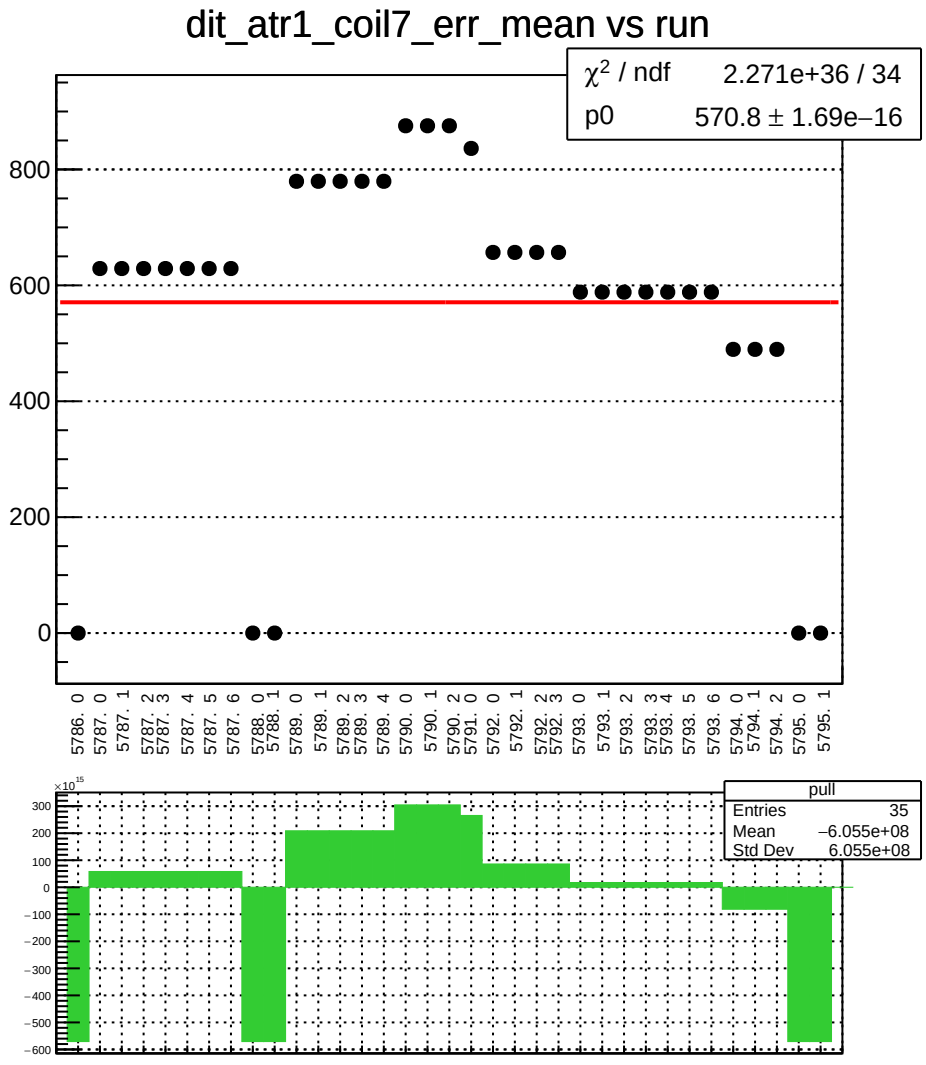

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

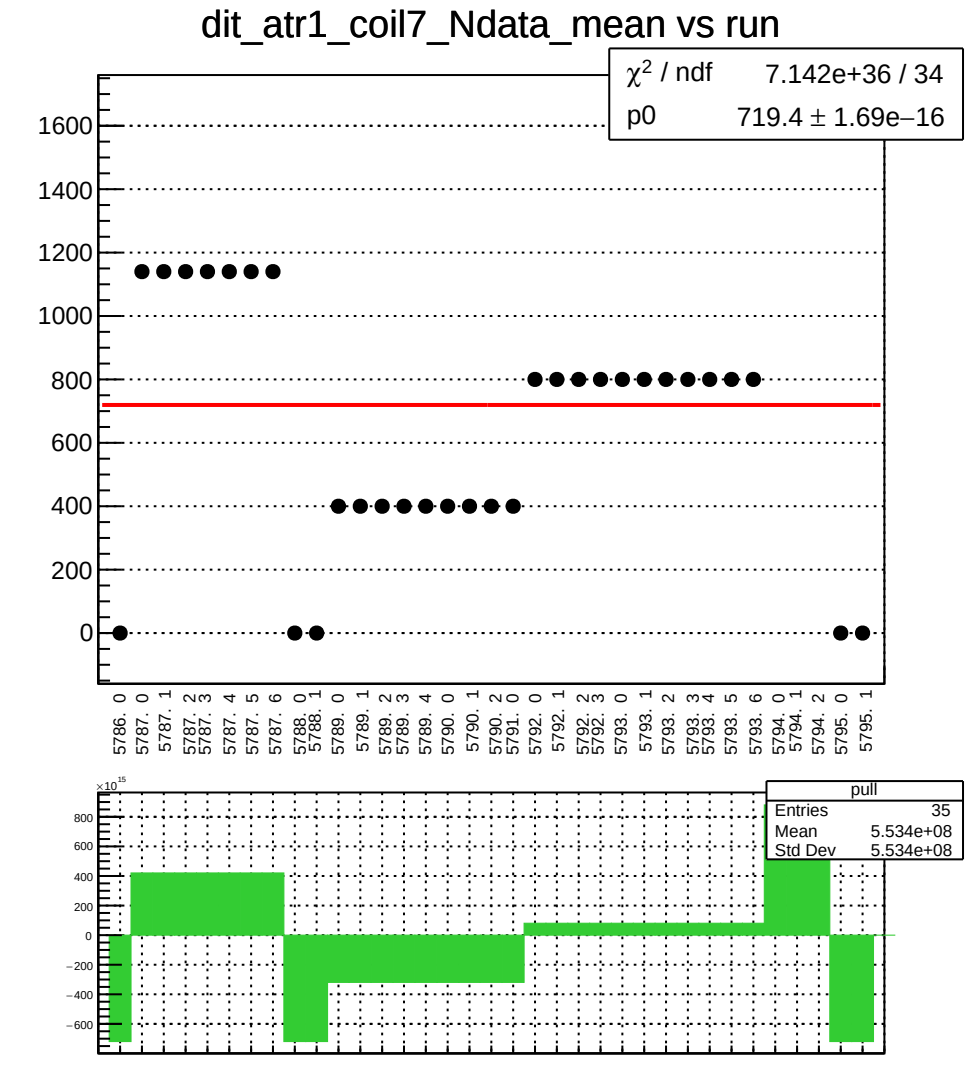

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.075e+38 / 34
p0 2914 ± 1.69e−16
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 35
Mean 2.035e+08
Std Dev 2.035e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

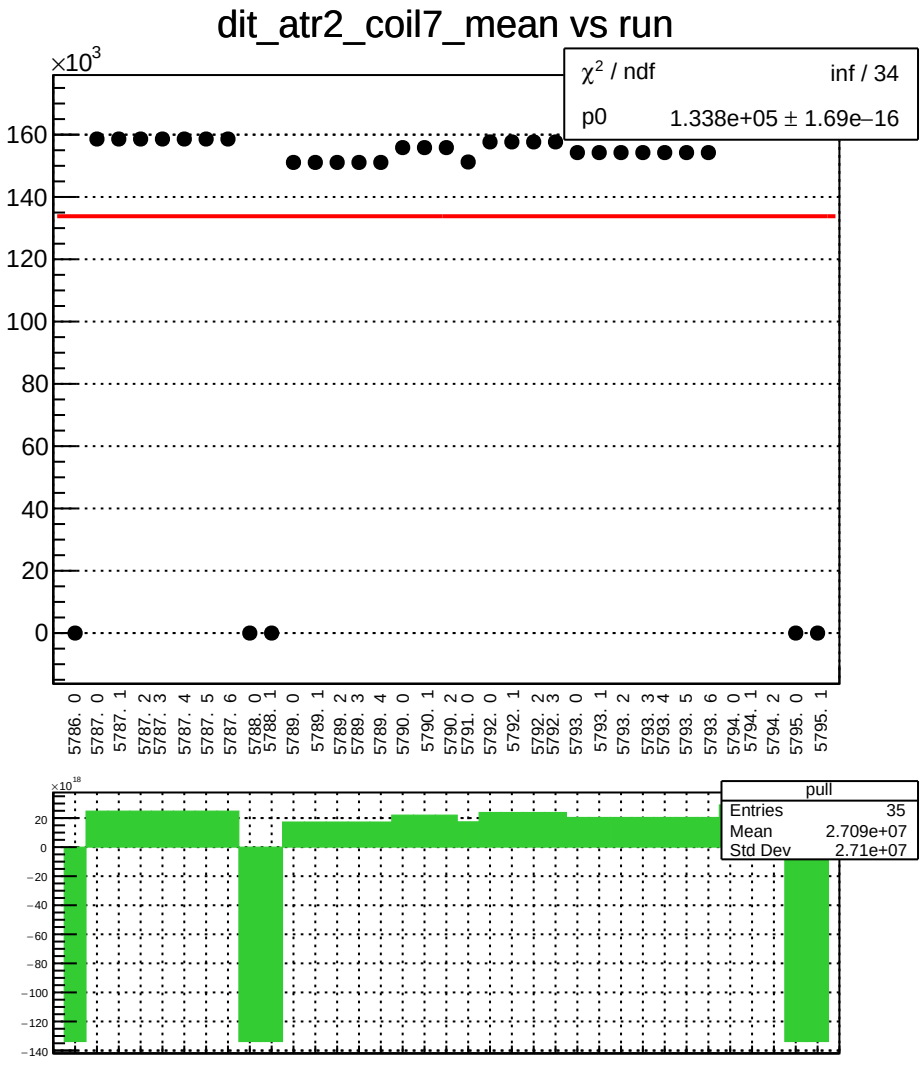

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

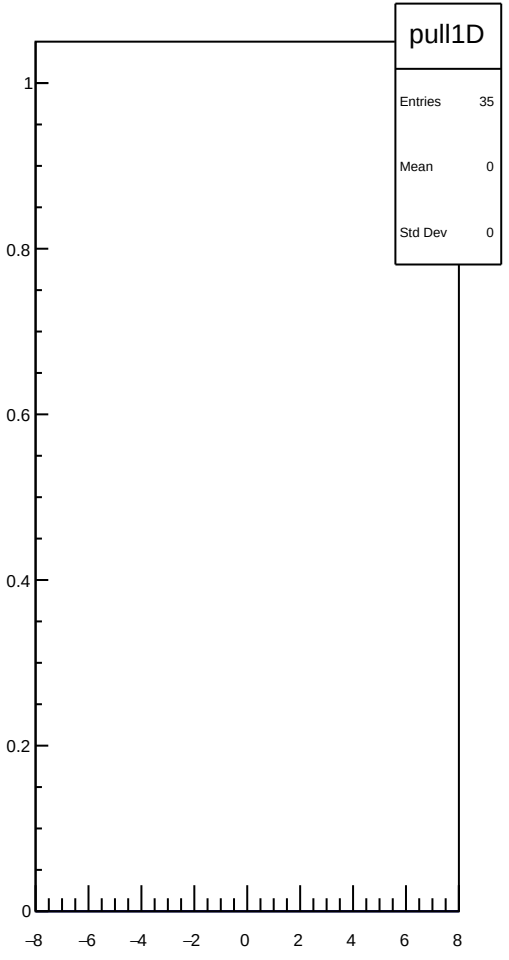

dit_atr1_coil7_mean vs run
χ² / ndf 1.756e+38 / 34
p0 −2649 ± 1.69e−16
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
3000
2000
1000
0
−1000
−2000
pull
Entries 35
Mean −7.555e+08
Std Dev 7.555e+08

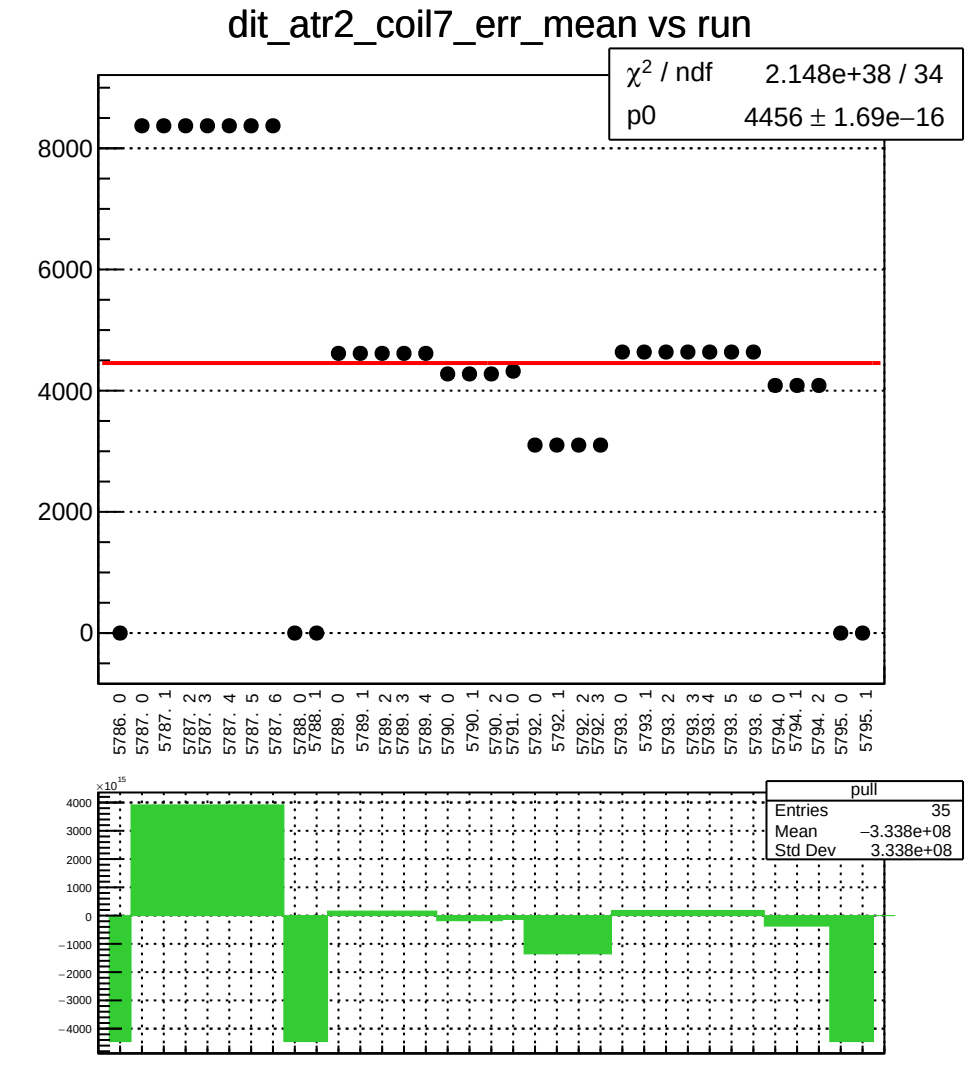

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

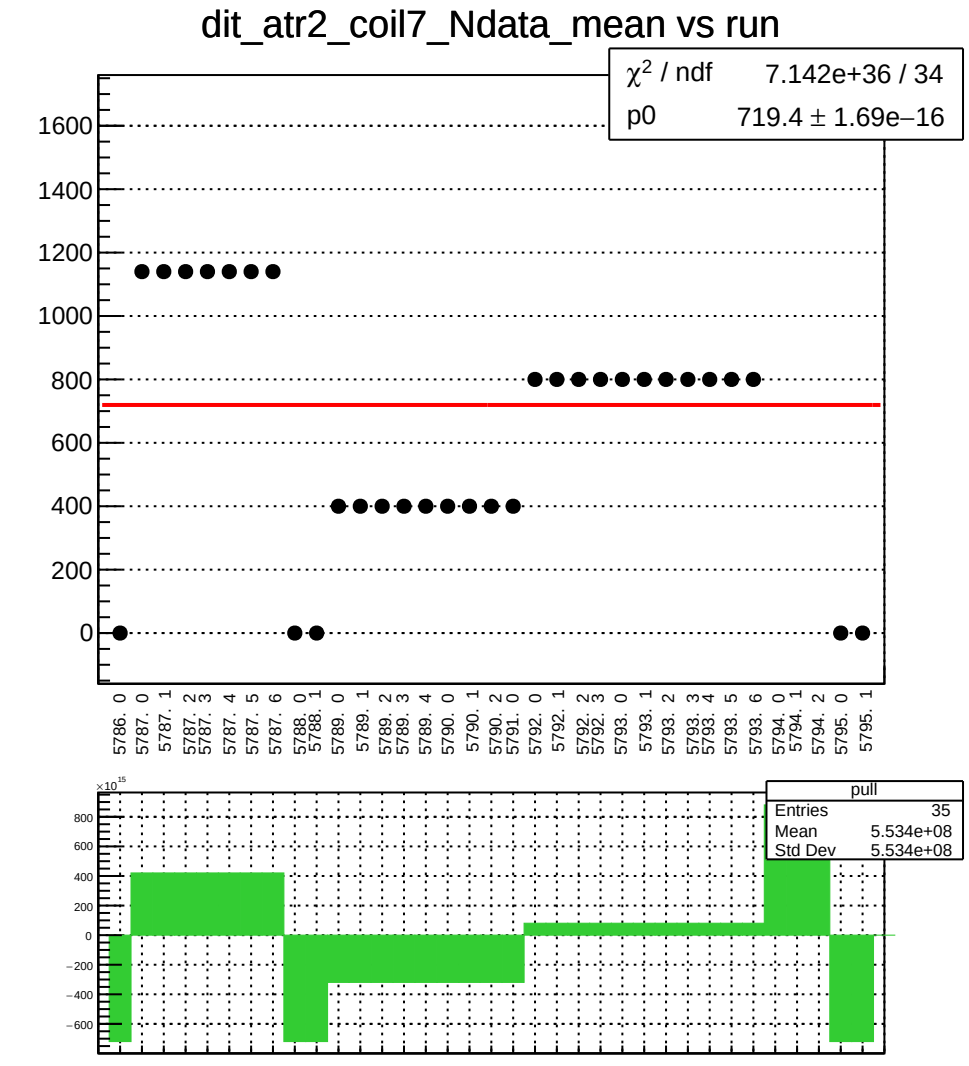

dit_atr1_coil7_err_mean vs run
χ² / ndf 2.271e+36 / 34
p0 570.8 ± 1.69e−16
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
−600
pull
Entries 35
Mean −6.055e+08
Std Dev 6.055e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

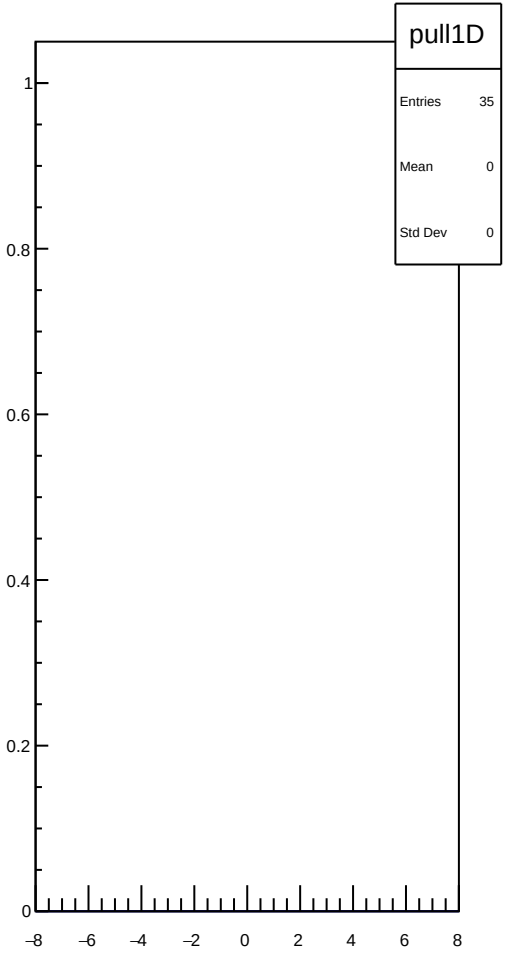

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

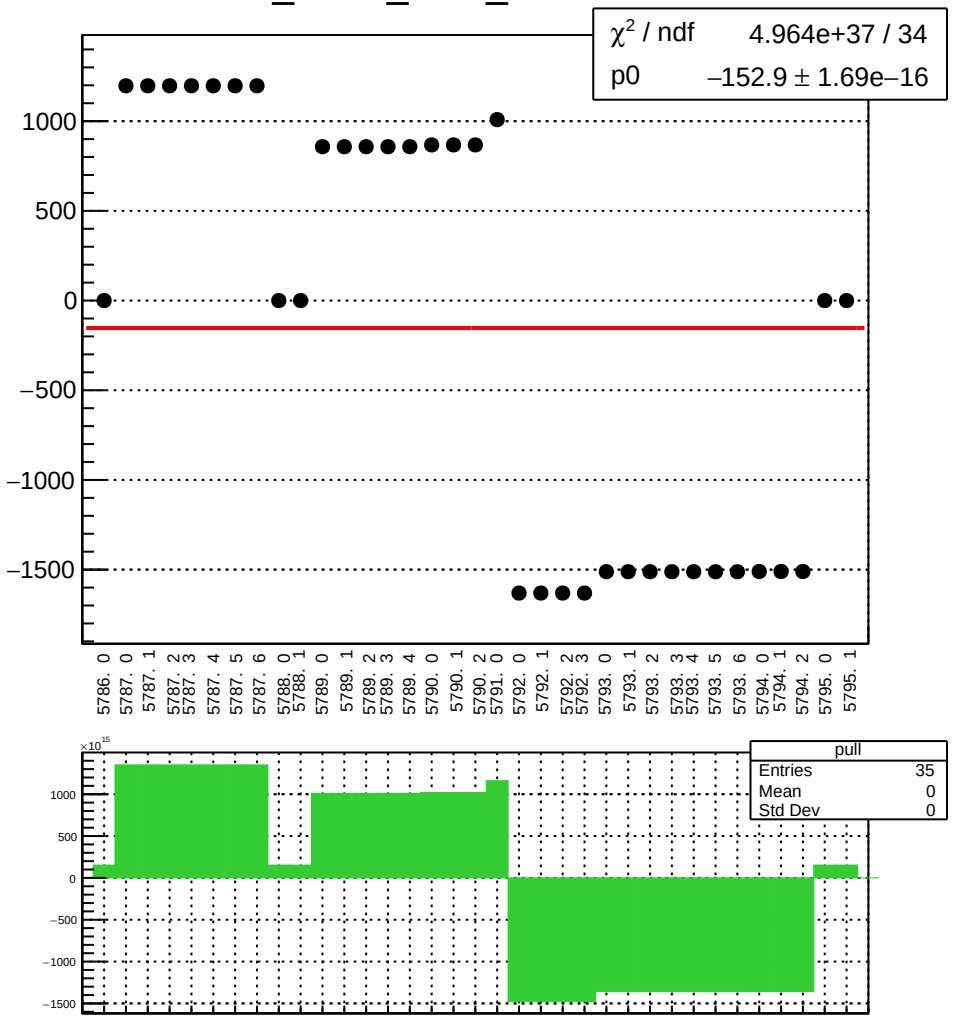

dit_atr2_coil7_mean vs run
χ² / ndf inf / 34
p0 1.338e+05 ± 1.69e−16
×10³
160
140
120
100
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 2.709e+07
Std Dev 2.71e+07
×10¹⁸
20
0
−20
−40
−60
−80
−100
−120
−140

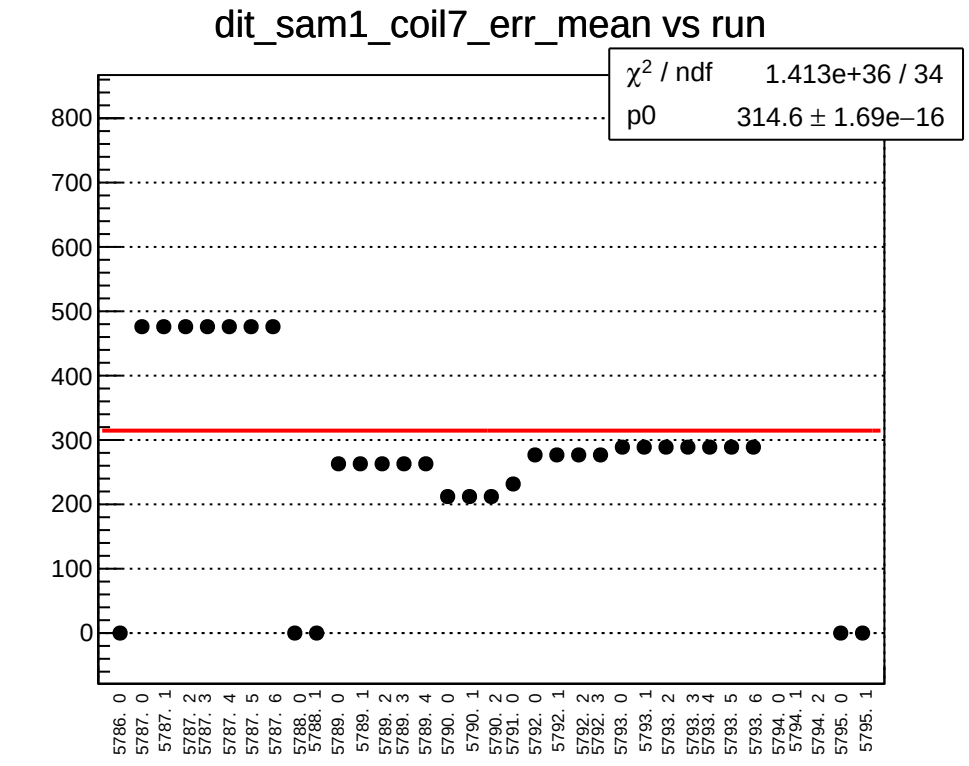

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

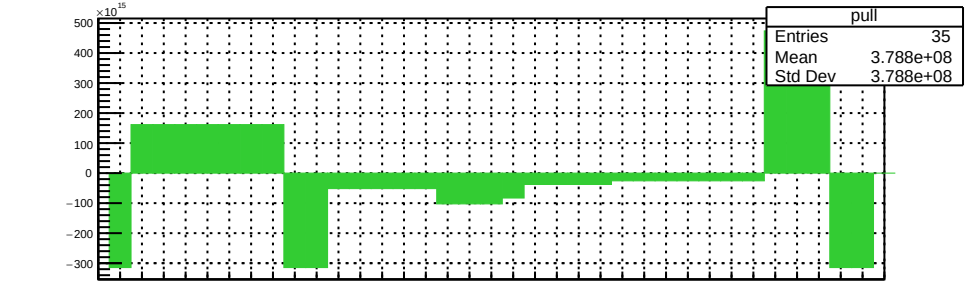

dit_atr2_coil7_err_mean vs run
χ² / ndf 2.148e+38 / 34
p0 4456 ± 1.69e−16
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −3.338e+08
Std Dev 3.338e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

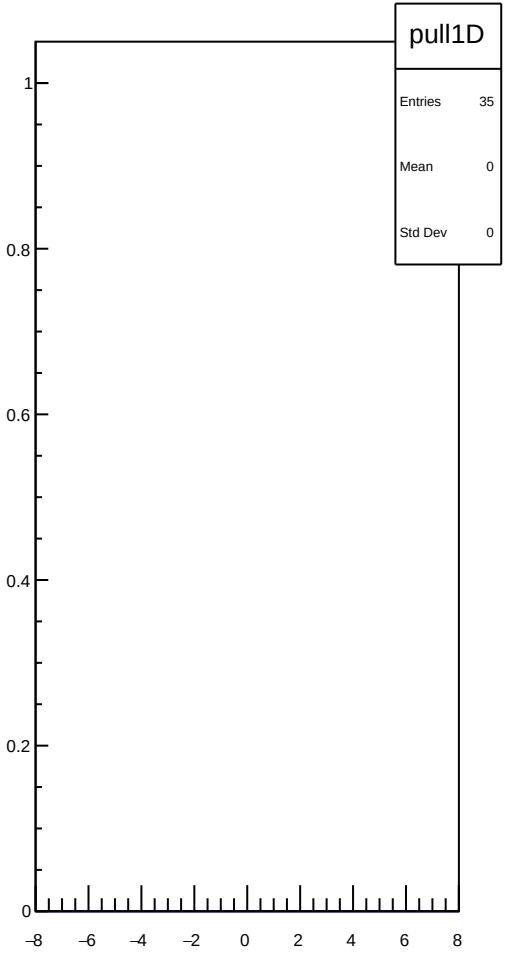

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

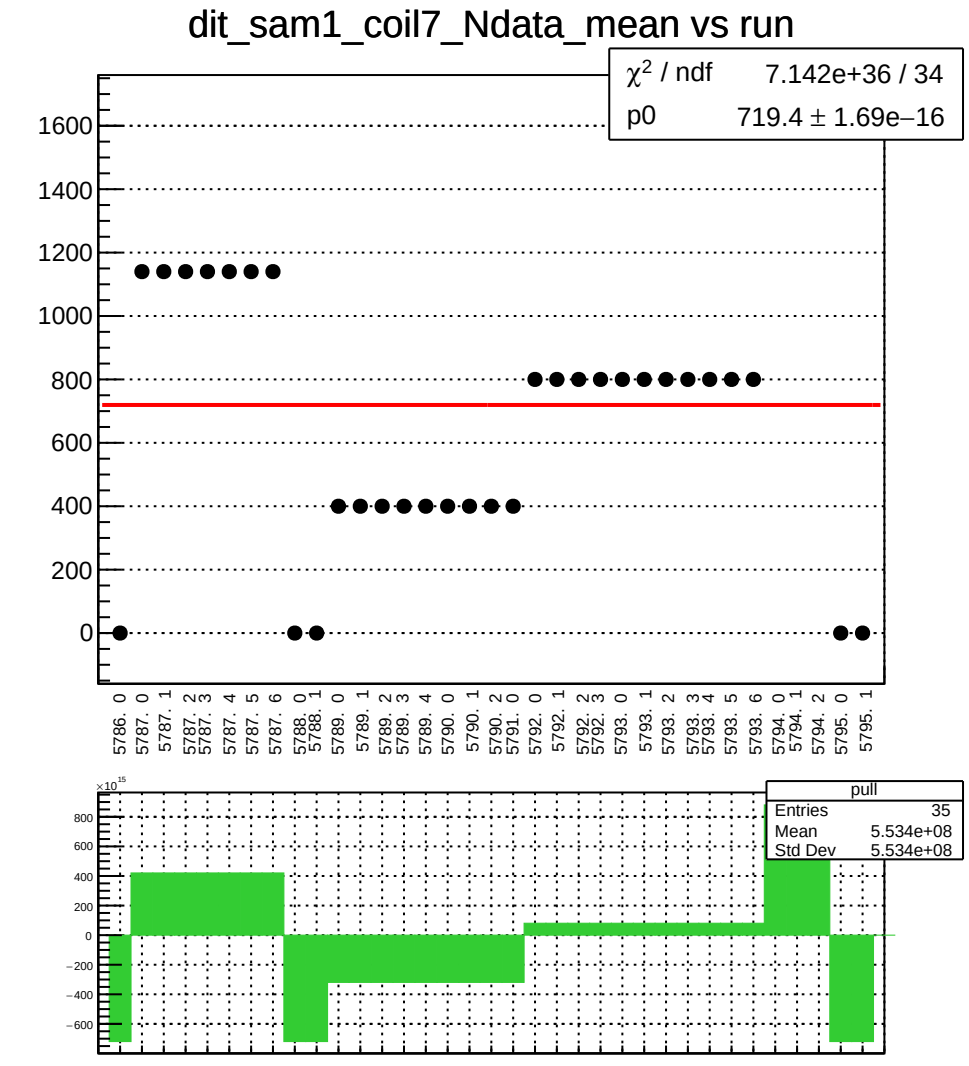

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

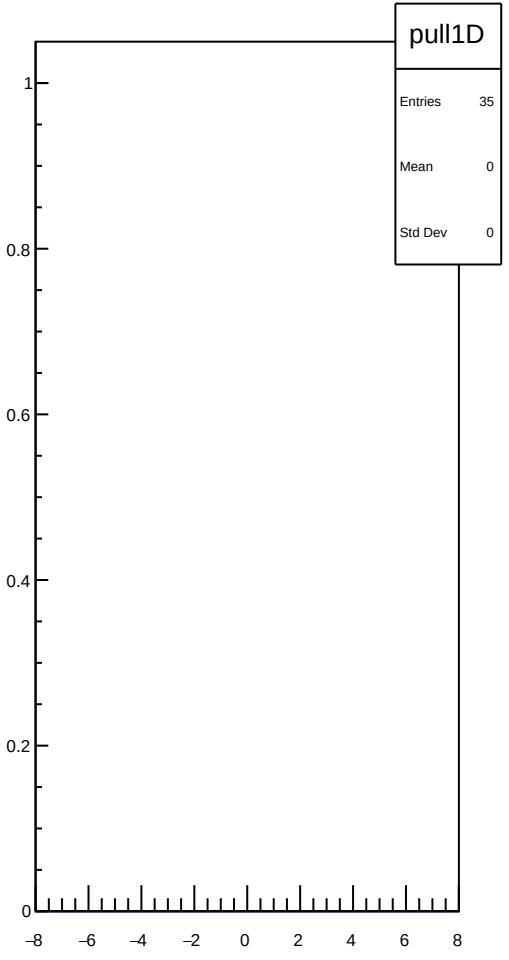

dit_sam1_coil7_mean vs run
χ² / ndf 4.964e+37 / 34
p0 −152.9 ± 1.69e−16
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
pull
Entries 35
Mean 0
Std Dev 0
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

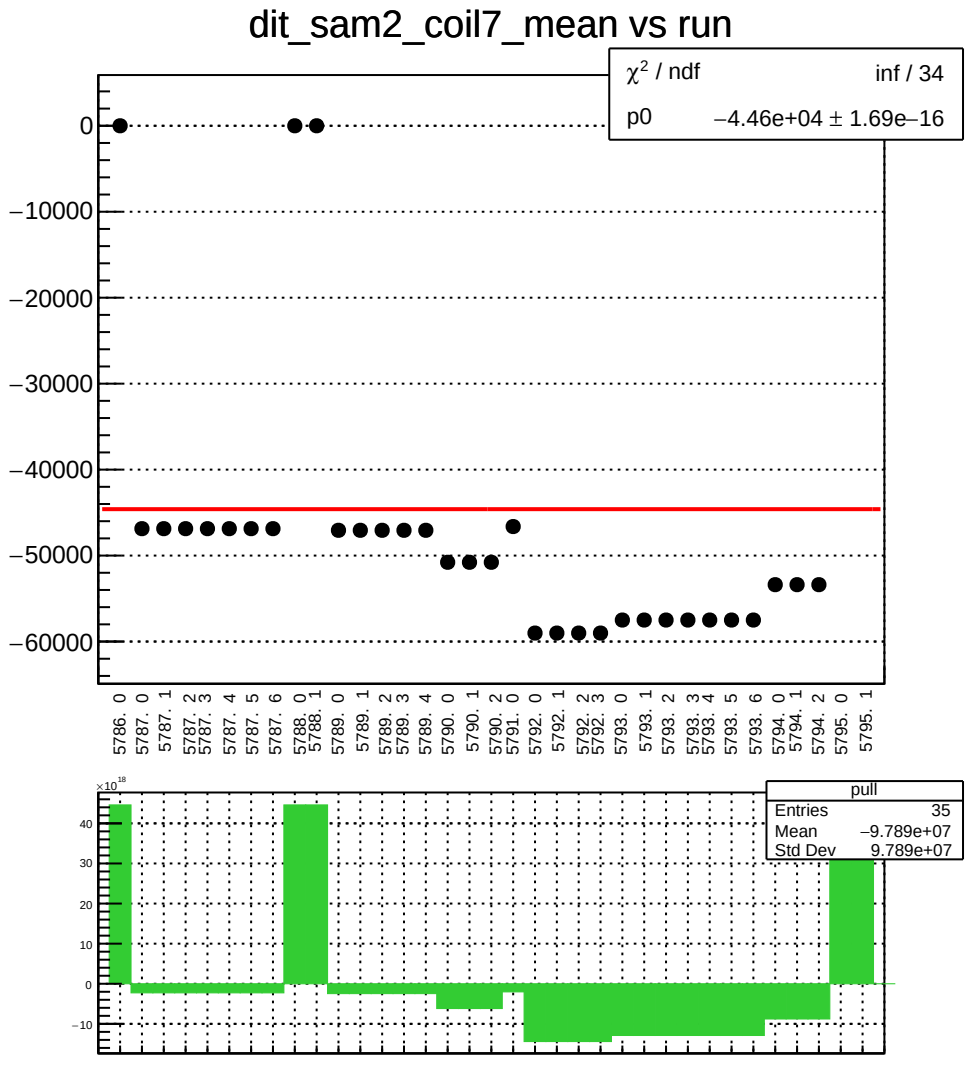

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.413e+36 / 34
p0 314.6 ± 1.69e−16
800
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

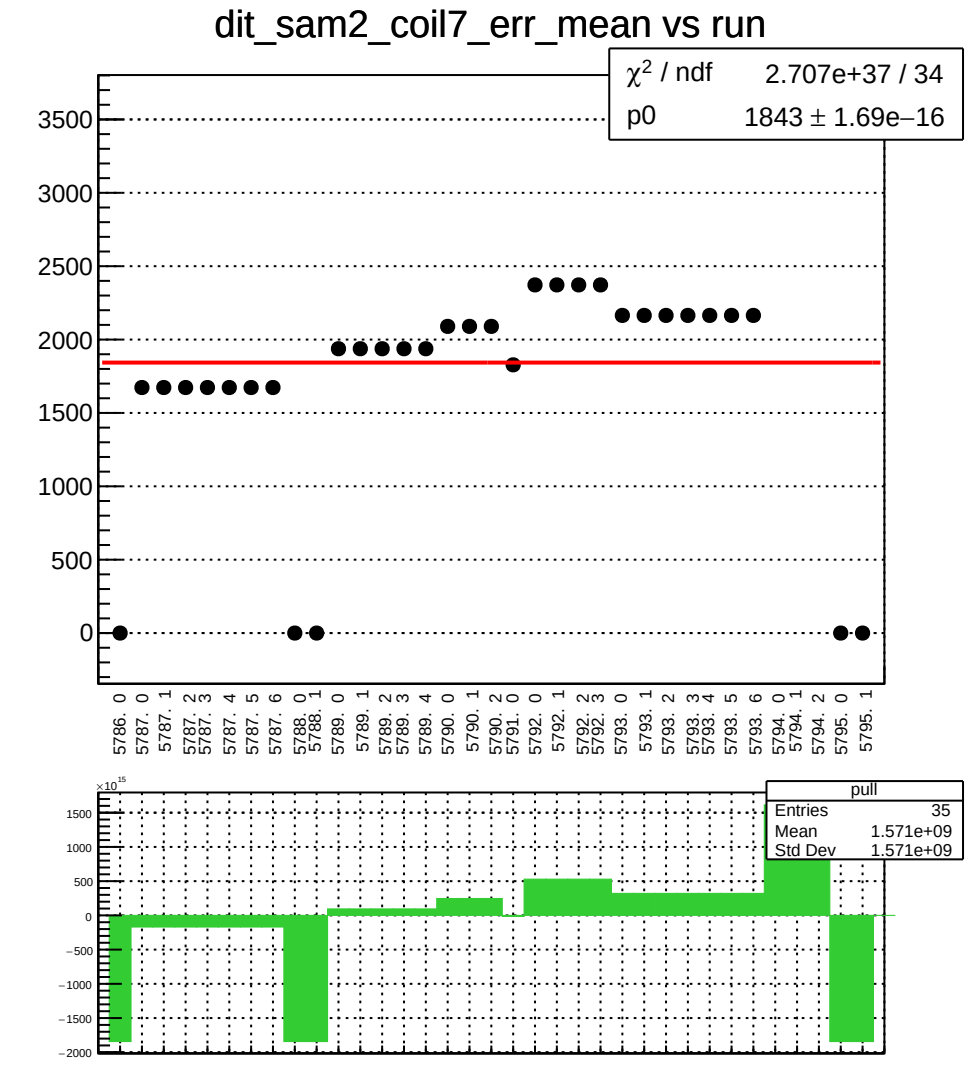

×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull
Entries 35
Mean 3.788e+08
Std Dev 3.788e+08

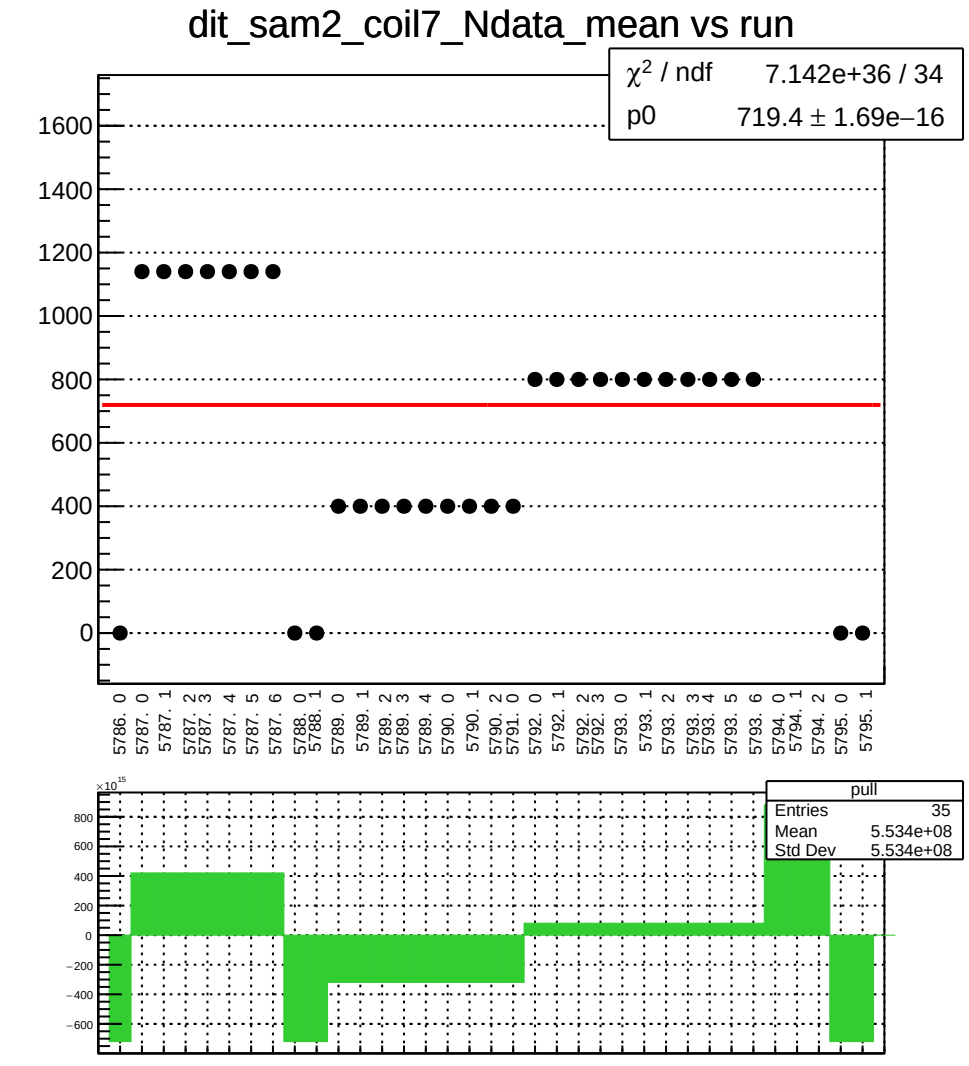

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

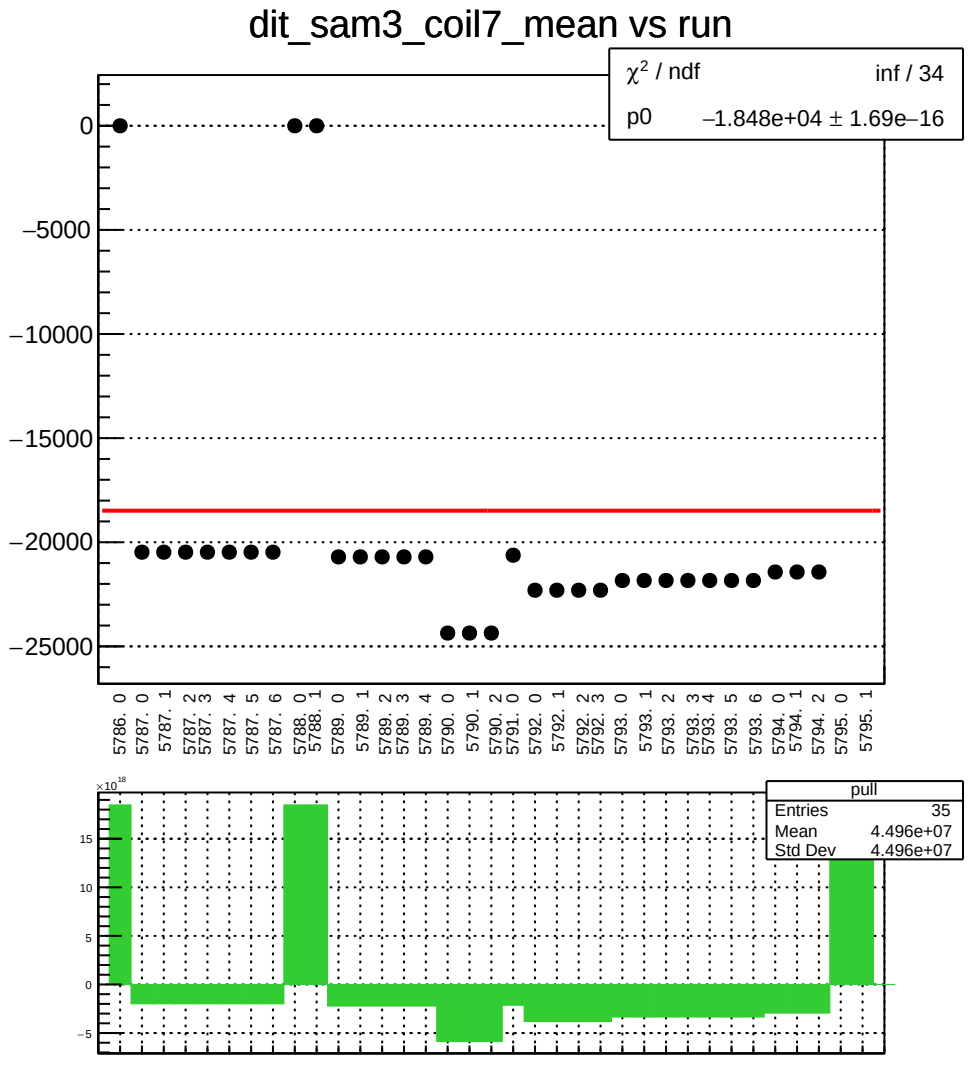

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

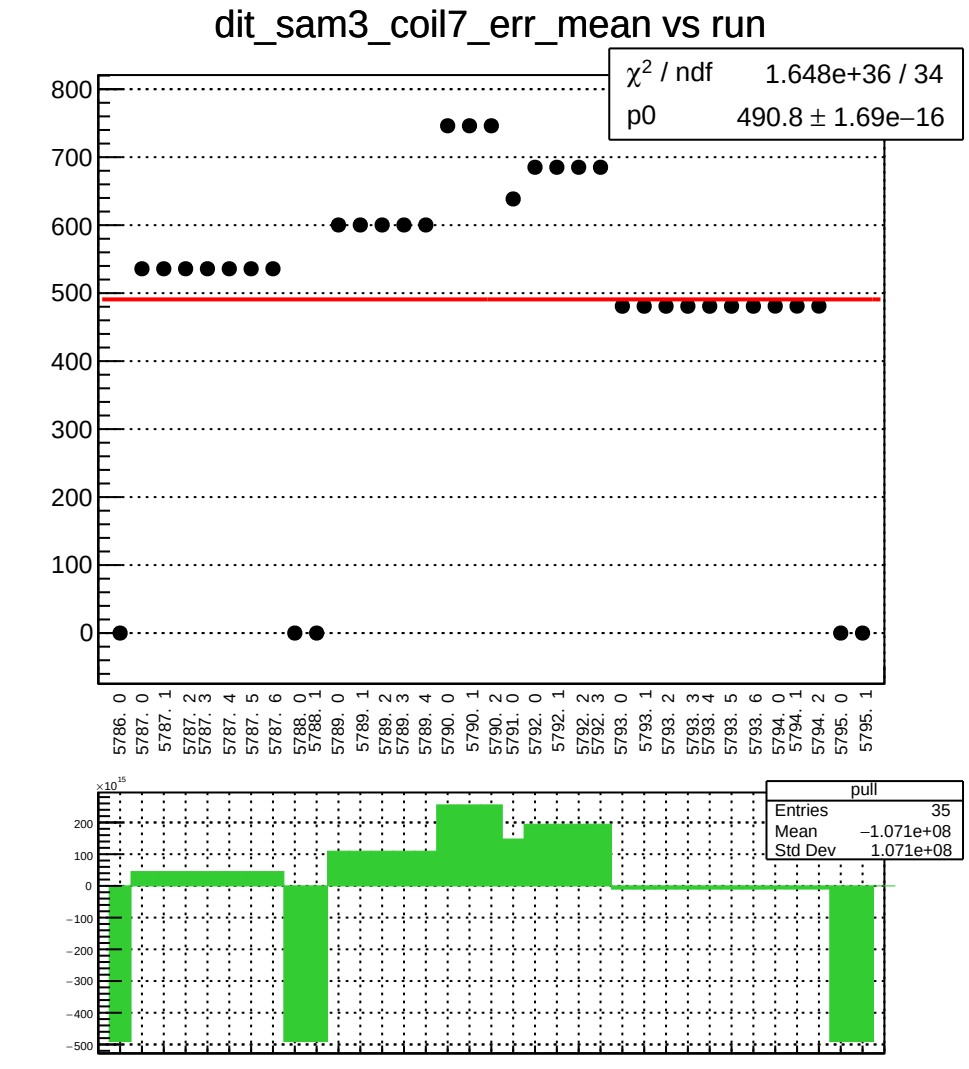

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

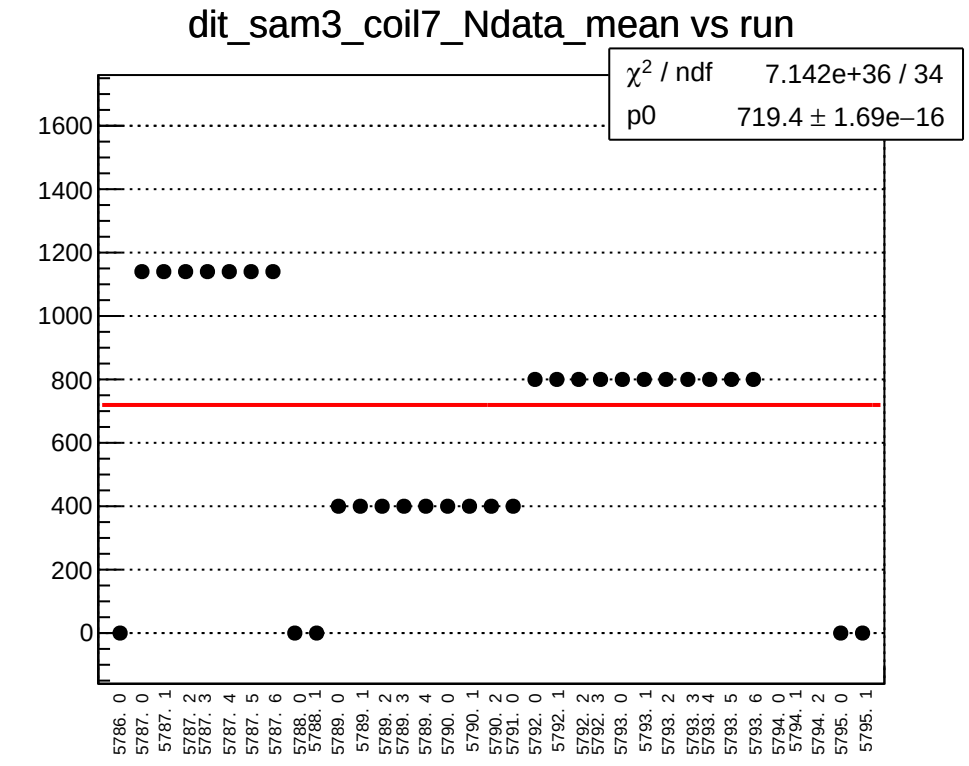

dit_sam2_coil7_mean vs run
χ² / ndf inf / 34
p0 −4.46e+04 ± 1.69e−16
0
−10000
−20000
−30000
−40000
−50000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
40
30
20
10
0
−10
pull
Entries 35
Mean −9.789e+07
Std Dev 9.789e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

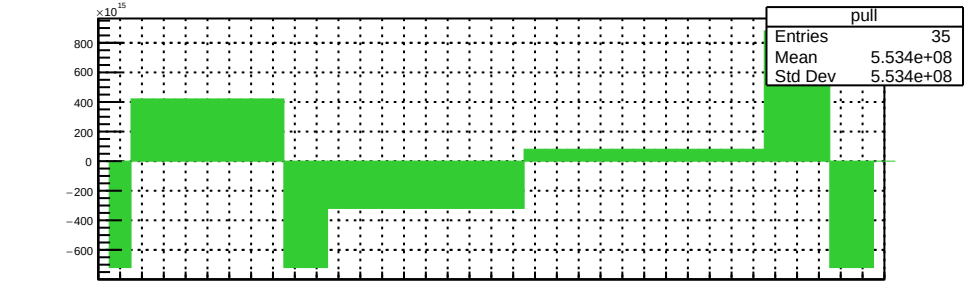

dit_sam2_coil7_err_mean vs run
χ² / ndf 2.707e+37 / 34
p0 1843 ± 1.69e−16
3500
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 35
Mean 1.571e+09
Std Dev 1.571e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

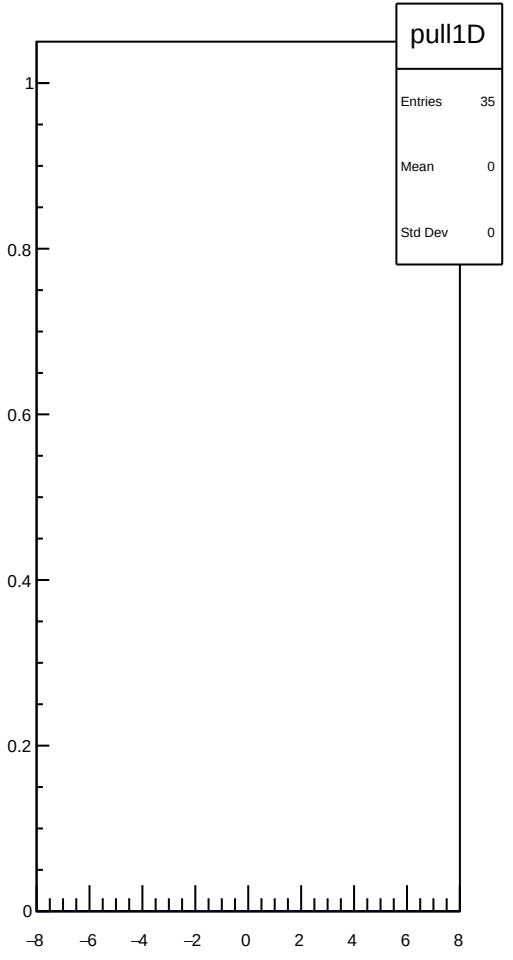

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

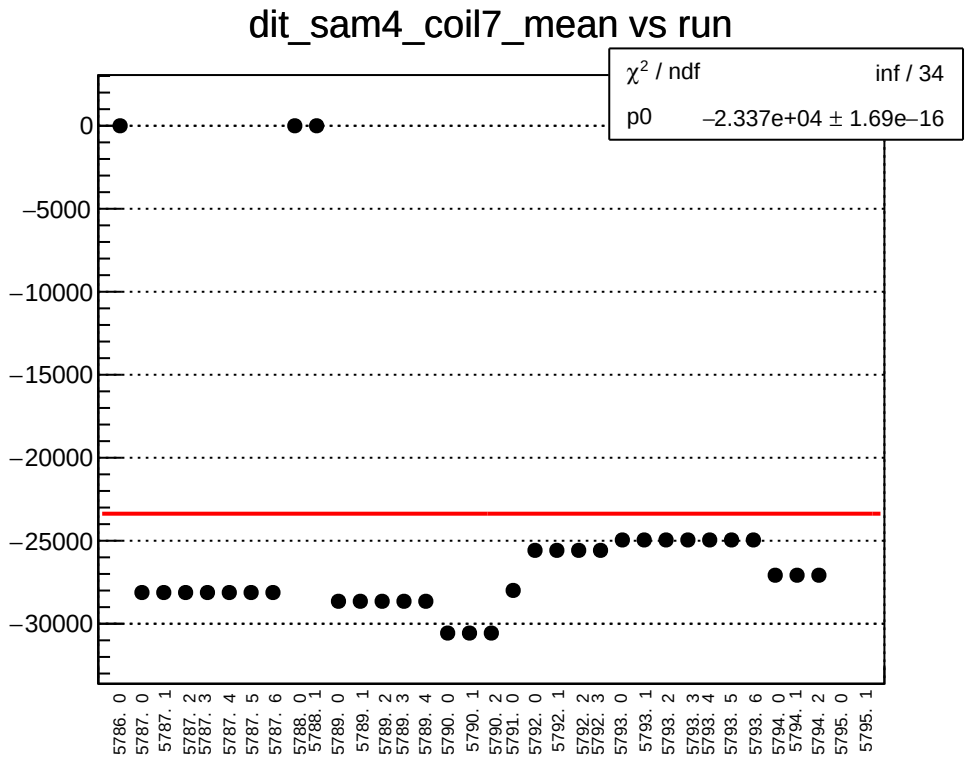

dit_sam3_coil7_mean vs run
χ² / ndf inf / 34
p0 −1.848e+04 ± 1.69e−16
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
15
10
5
0
−5
pull
Entries 35
Mean 4.496e+07
Std Dev 4.496e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

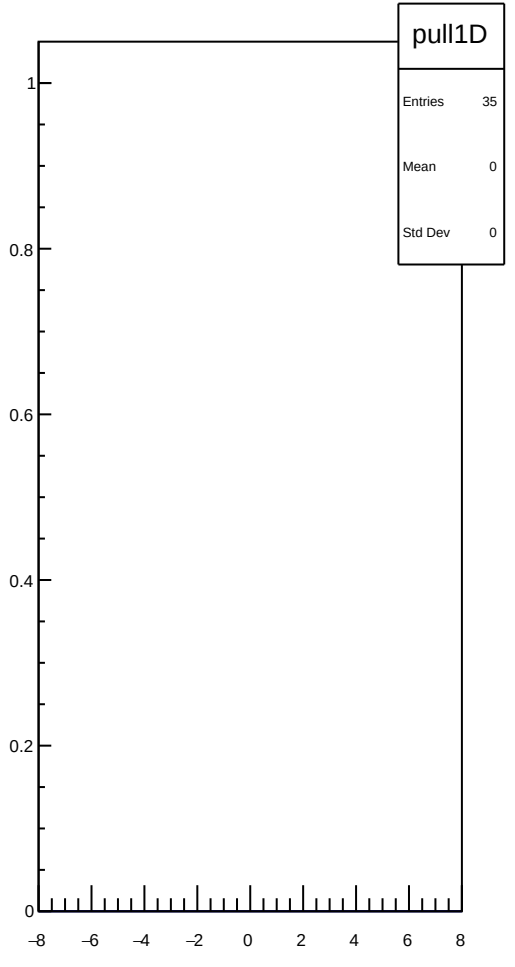

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.648e+36 / 34
p0 490.8 ± 1.69e−16
800
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
pull
Entries 35
Mean −1.071e+08
Std Dev 1.071e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

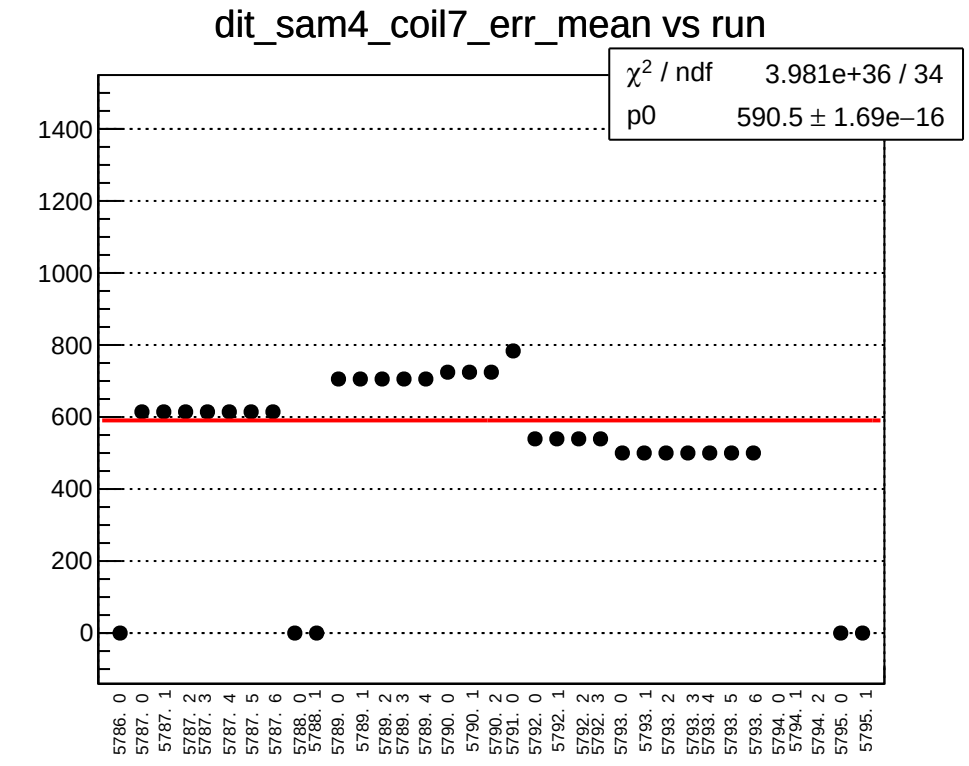

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

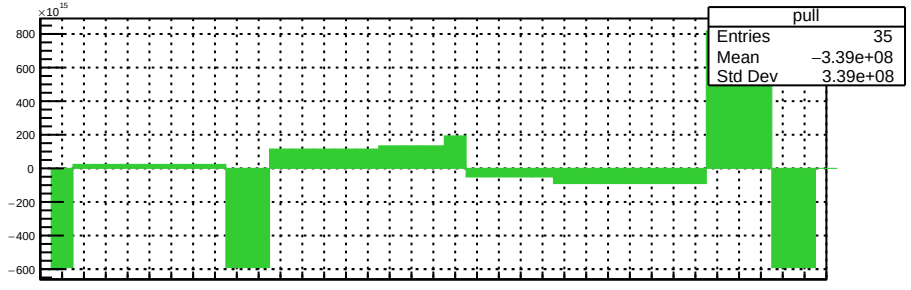

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

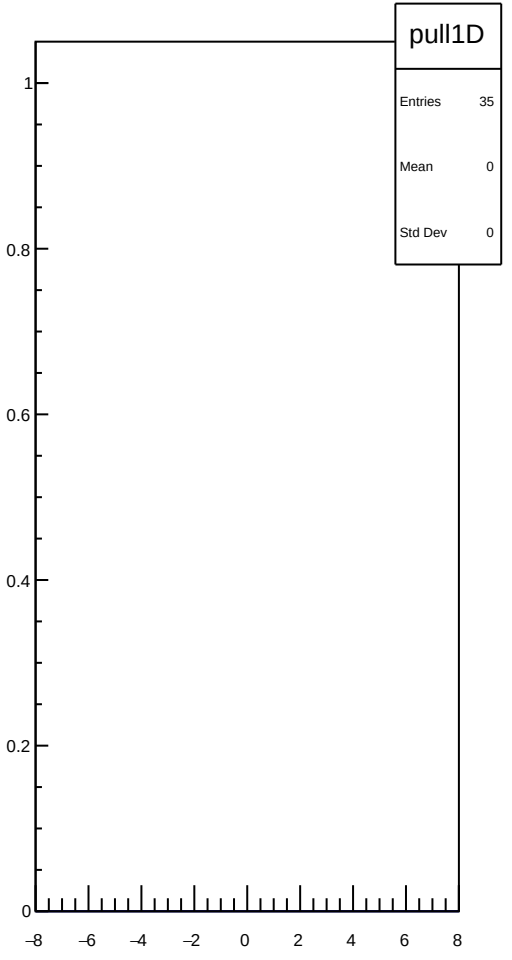

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

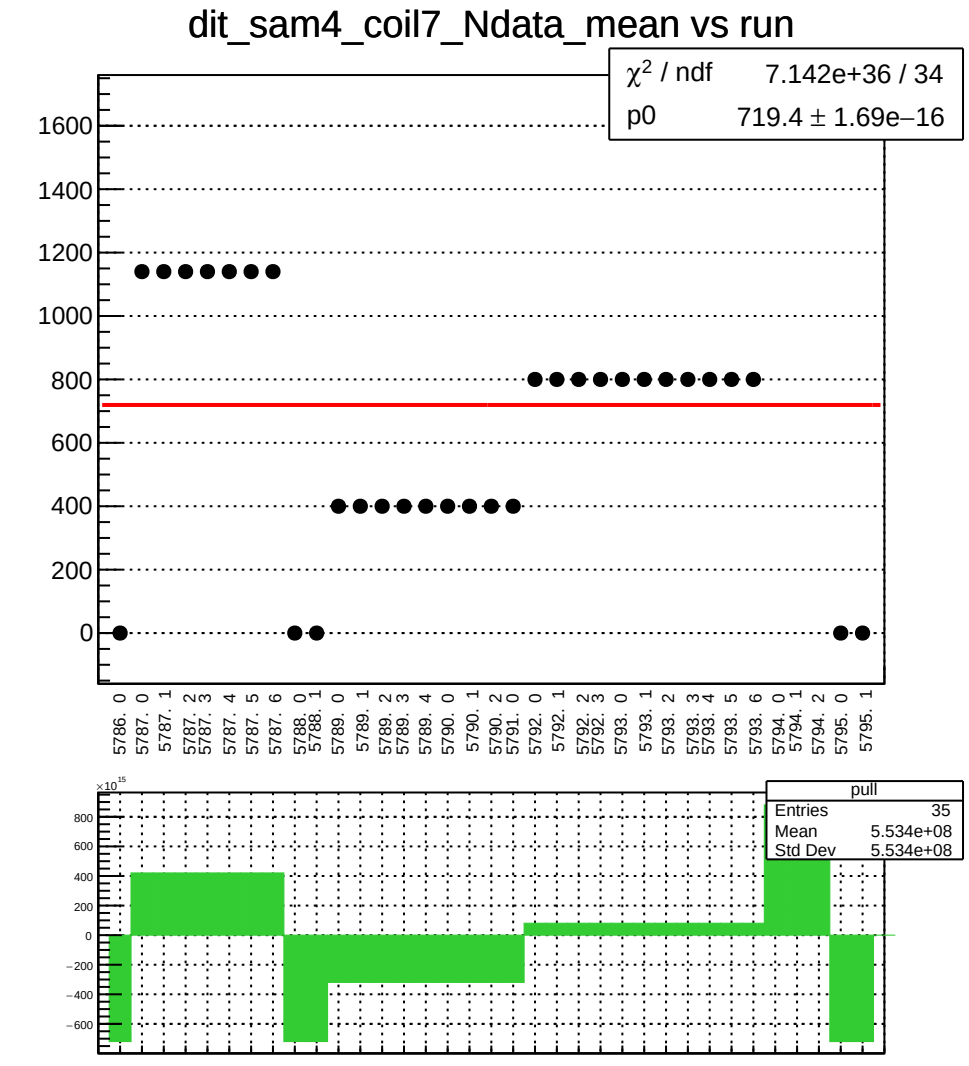

dit_sam4_coil7_mean vs run
χ² / ndf inf / 34
p0 −2.337e+04 ± 1.69e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
20
15
10
5
0
−5
pull
Entries 35
Mean −6.37e+07
Std Dev 6.37e+07

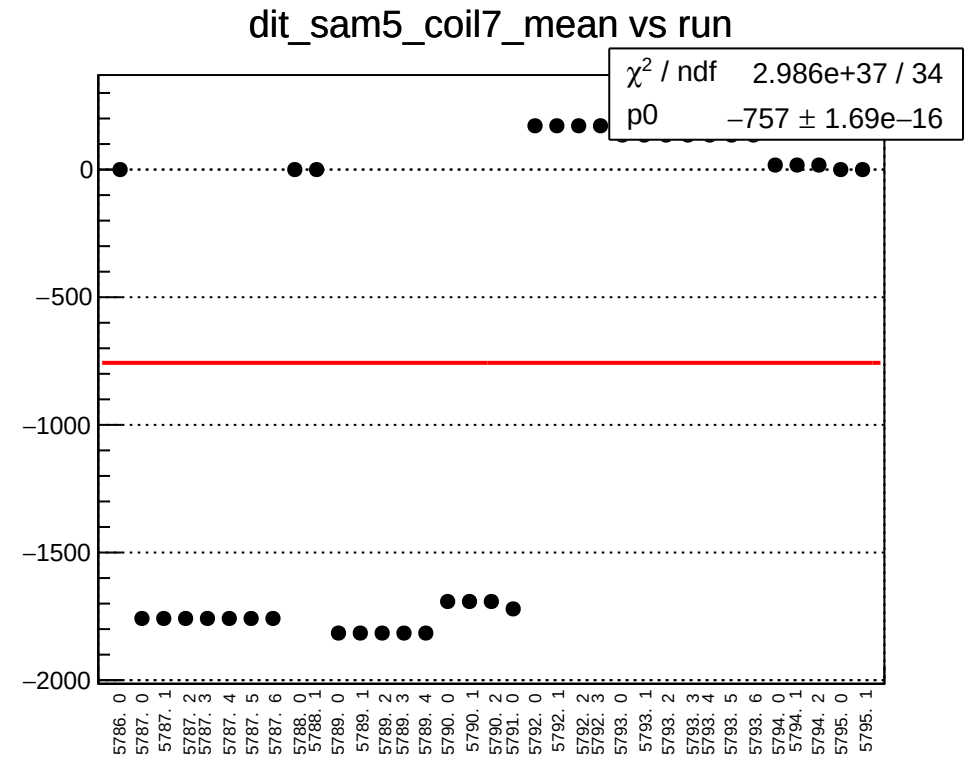

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

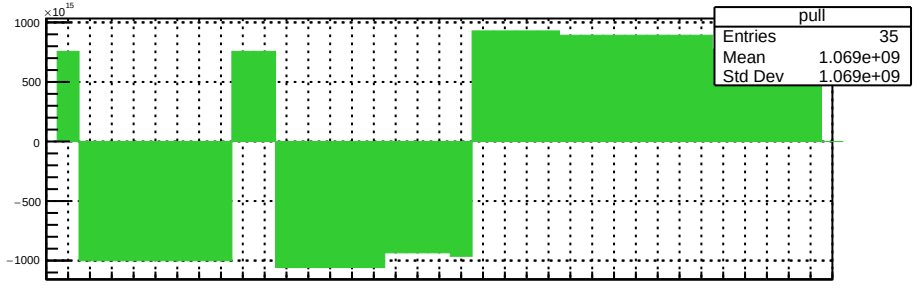

dit_sam4_coil7_err_mean vs run
χ² / ndf 3.981e+36 / 34
p0 590.5 ± 1.69e−16
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

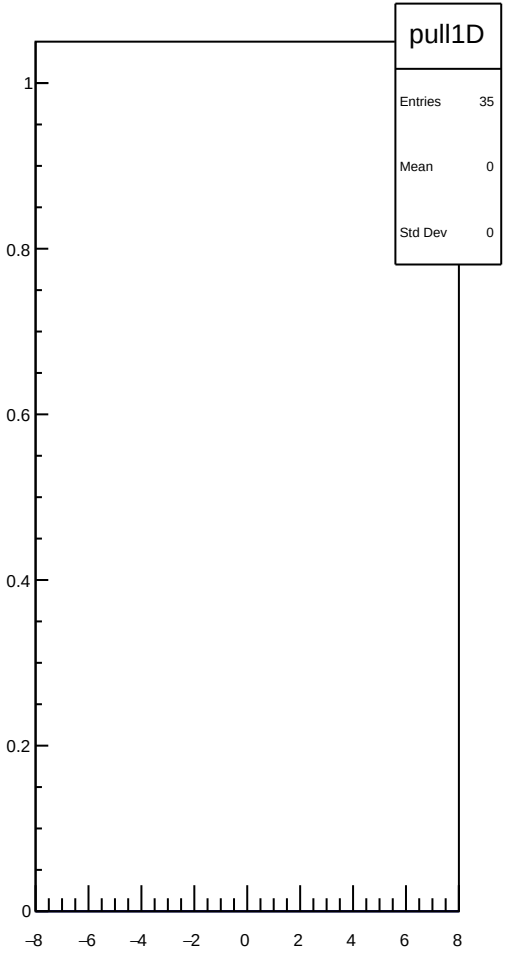

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean −3.39e+08
Std Dev 3.39e+08

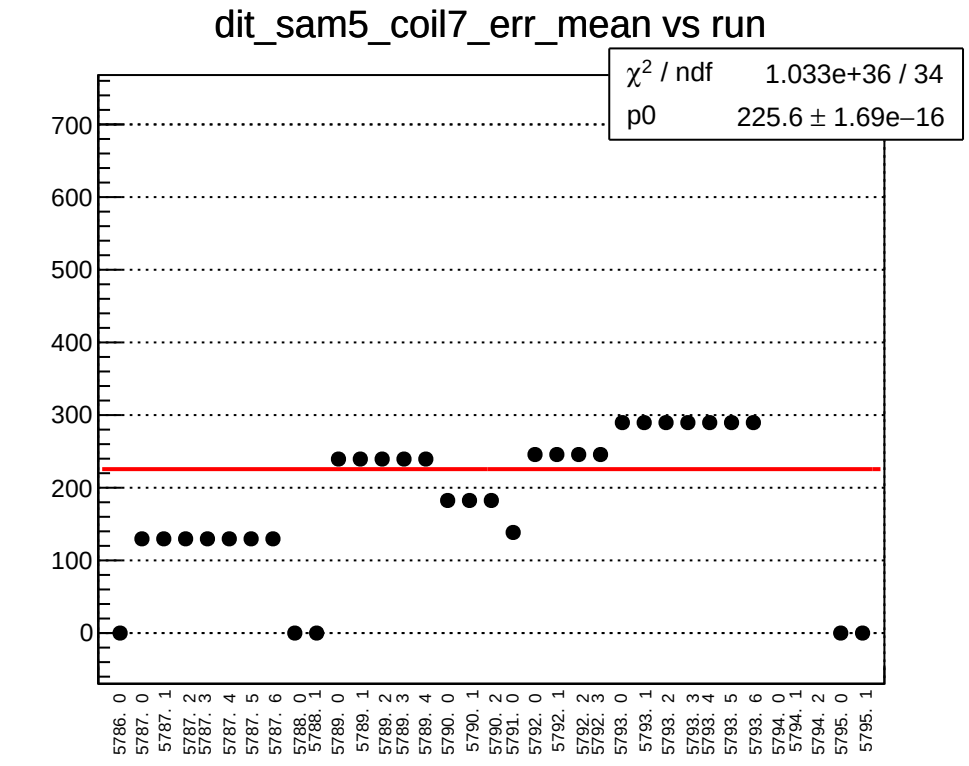

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

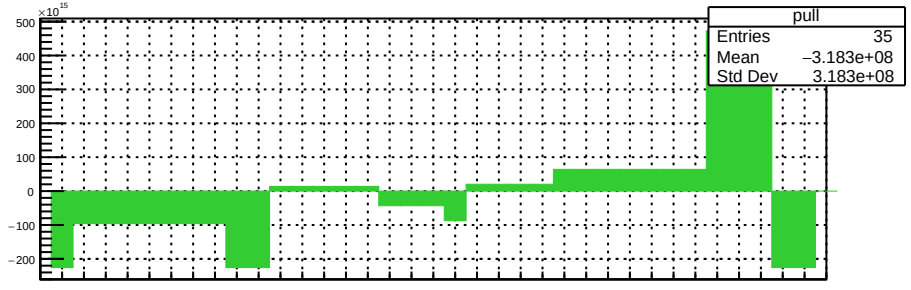

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

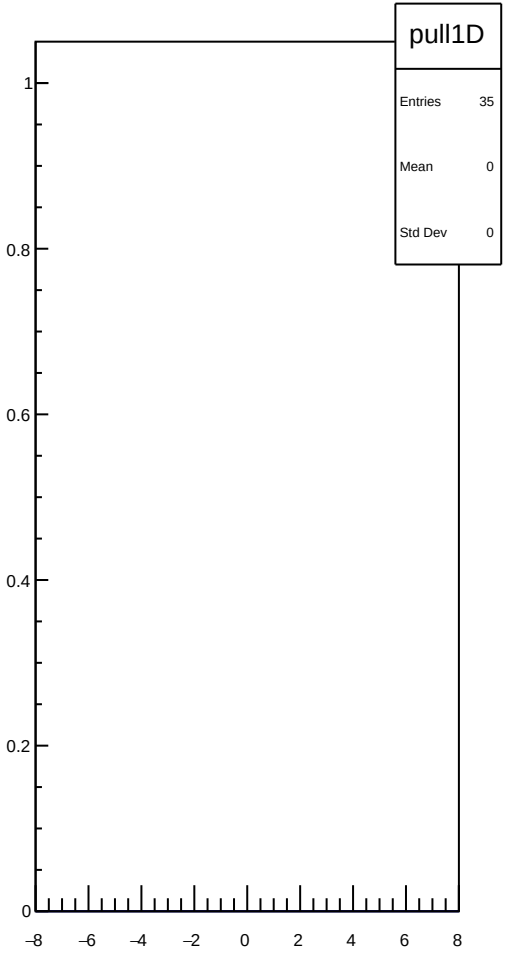

dit_sam5_coil7_mean vs run
χ² / ndf 2.986e+37 / 34
p0 −757 ± 1.69e−16
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

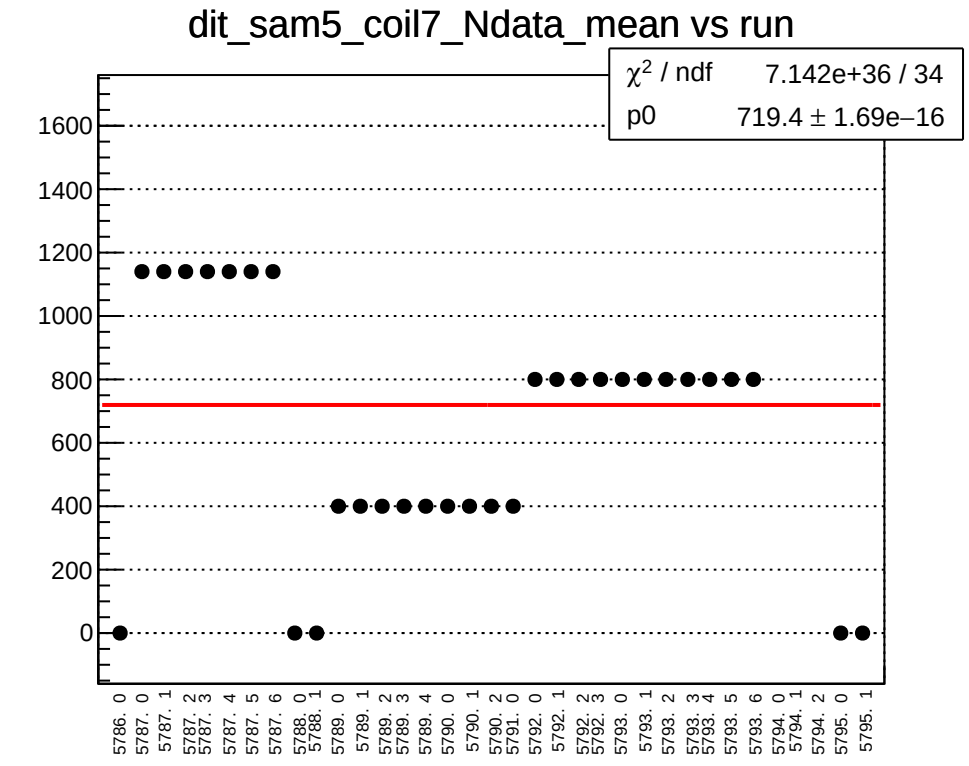

×10¹⁵
1000
500
0
−500
−1000
pull
Entries 35
Mean 1.069e+09
Std Dev 1.069e+09

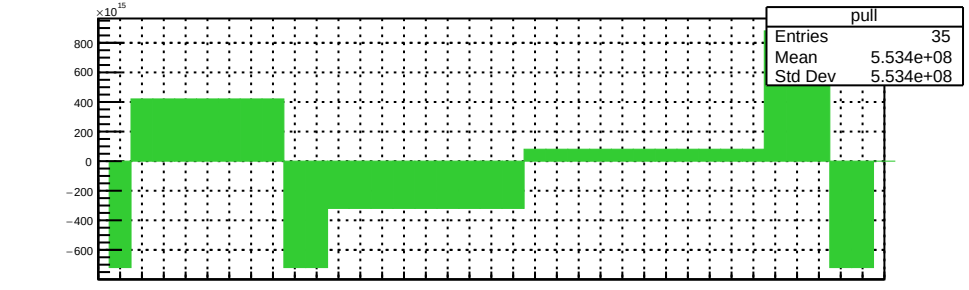

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

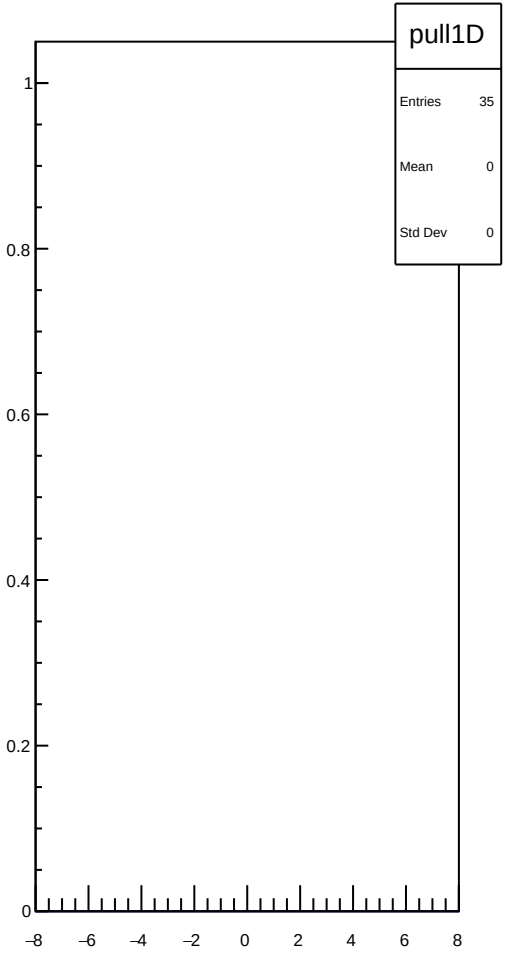

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.033e+36 / 34
p0 225.6 ± 1.69e−16
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

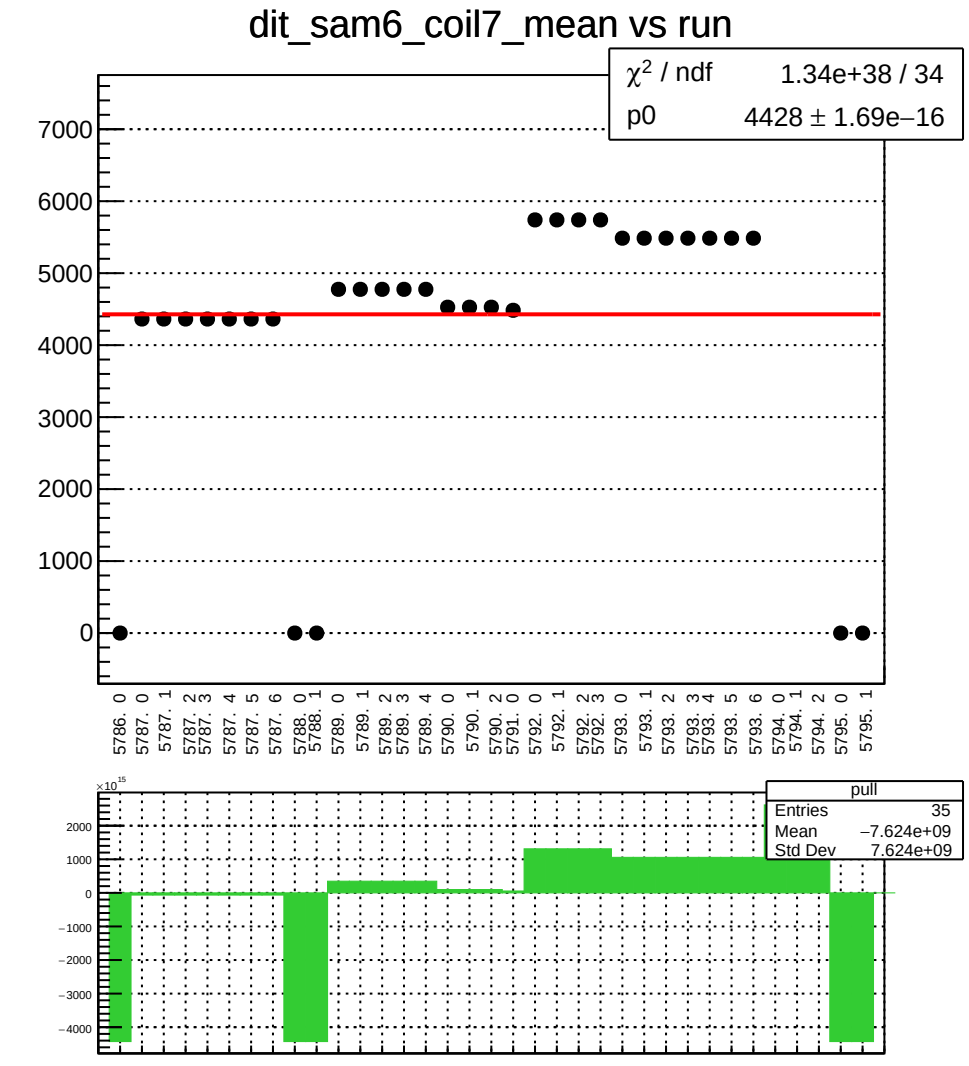

×10¹⁵
500
400
300
200
100
0
−100
−200
pull
Entries 35
Mean −3.183e+08
Std Dev 3.183e+08

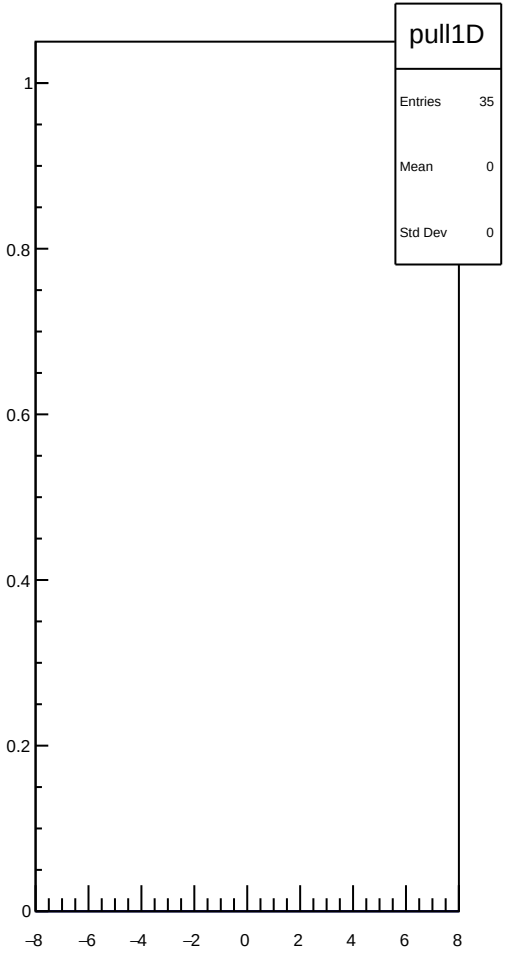

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

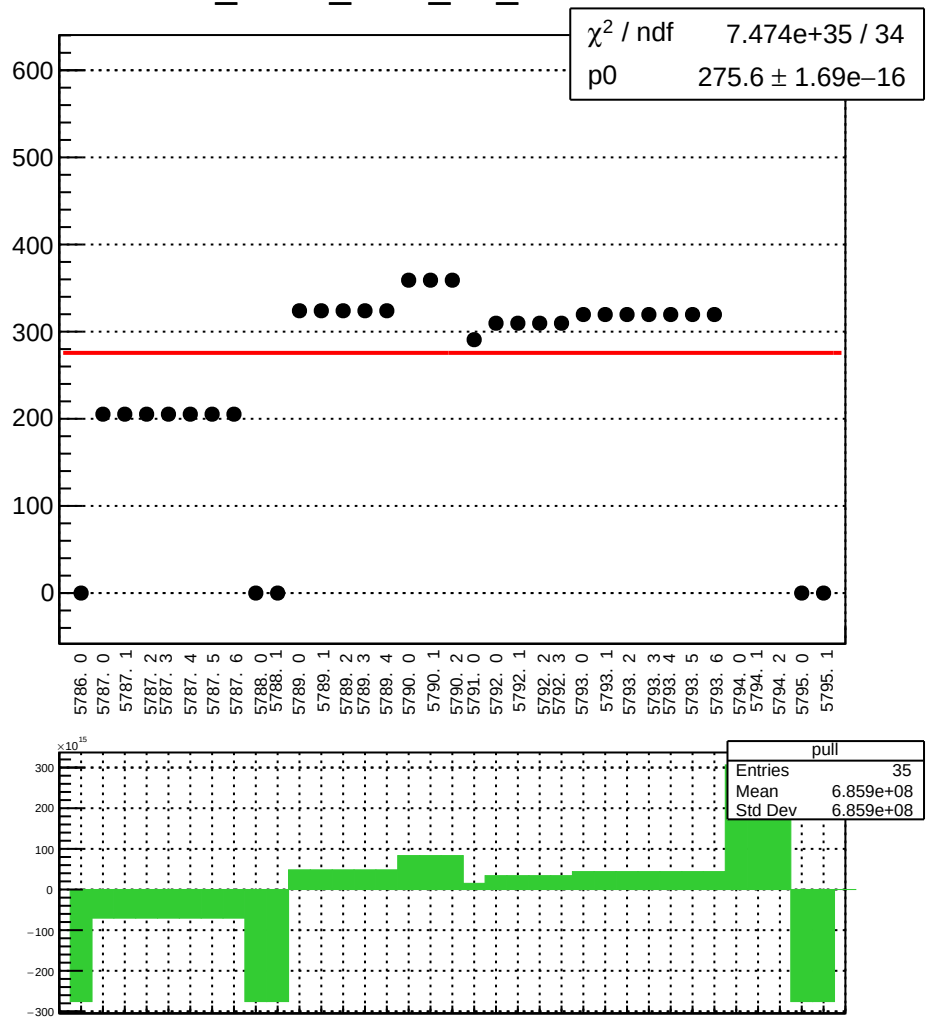

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

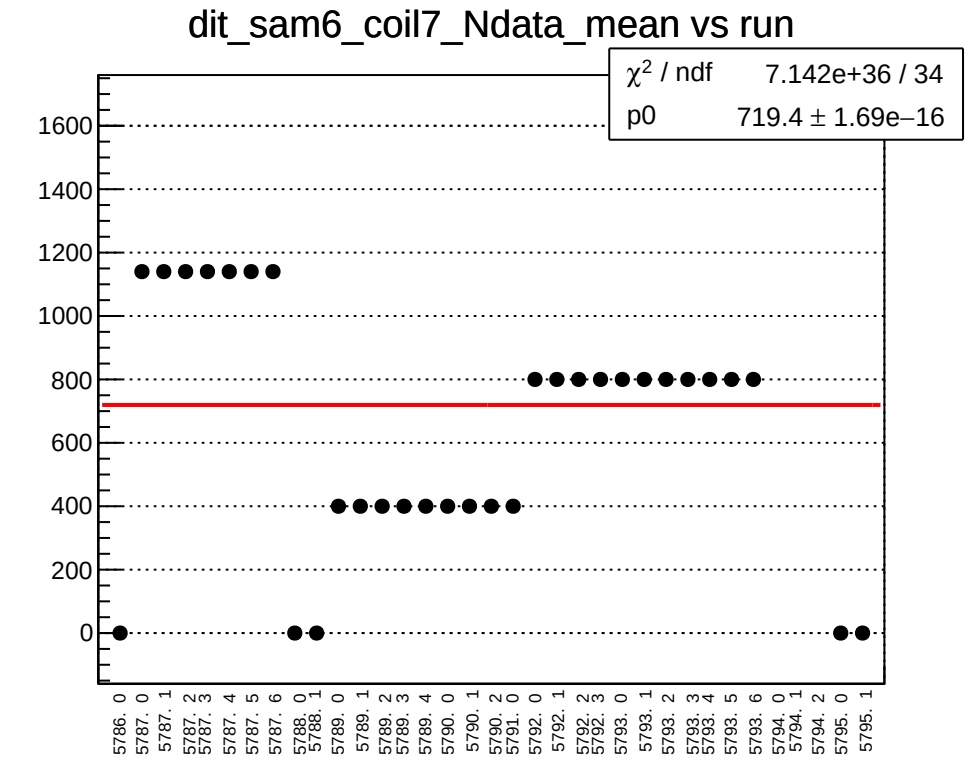

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

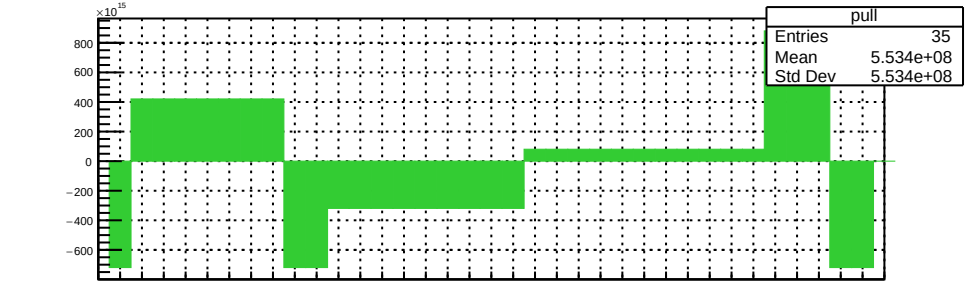

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

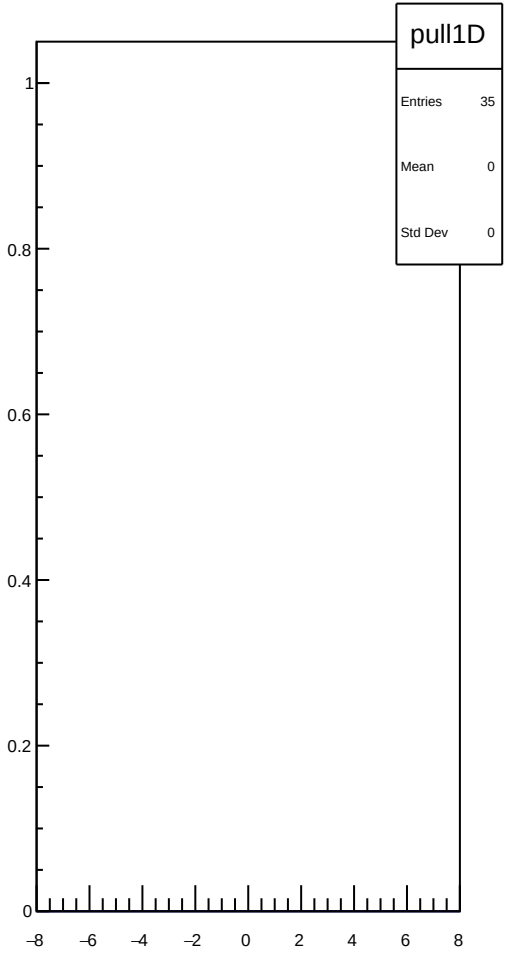

dit_sam6_coil7_mean vs run
χ² / ndf 1.34e+38 / 34
p0 4428 ± 1.69e−16
7000
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −7.624e+09
Std Dev 7.624e+09

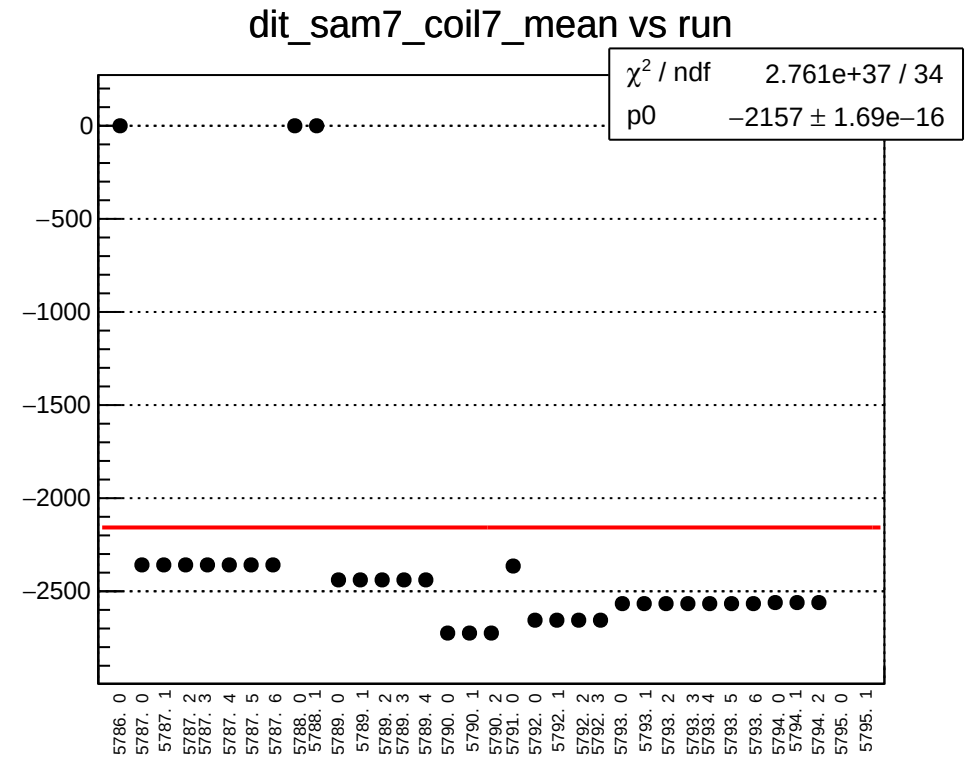

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

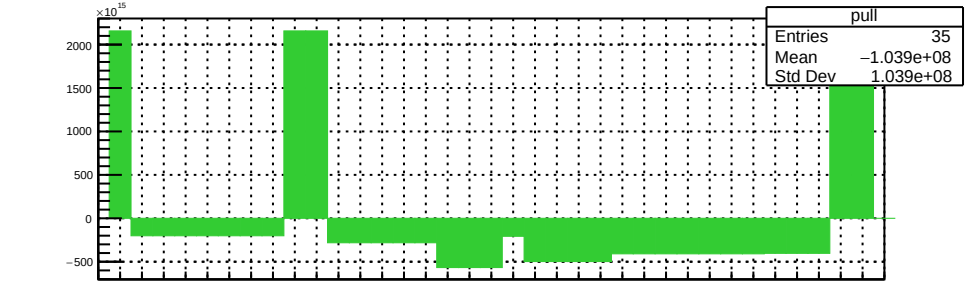

dit_sam6_coil7_err_mean vs run
χ² / ndf 7.474e+35 / 34
p0 275.6 ± 1.69e−16
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
−200
−300
pull
Entries 35
Mean 6.859e+08
Std Dev 6.859e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

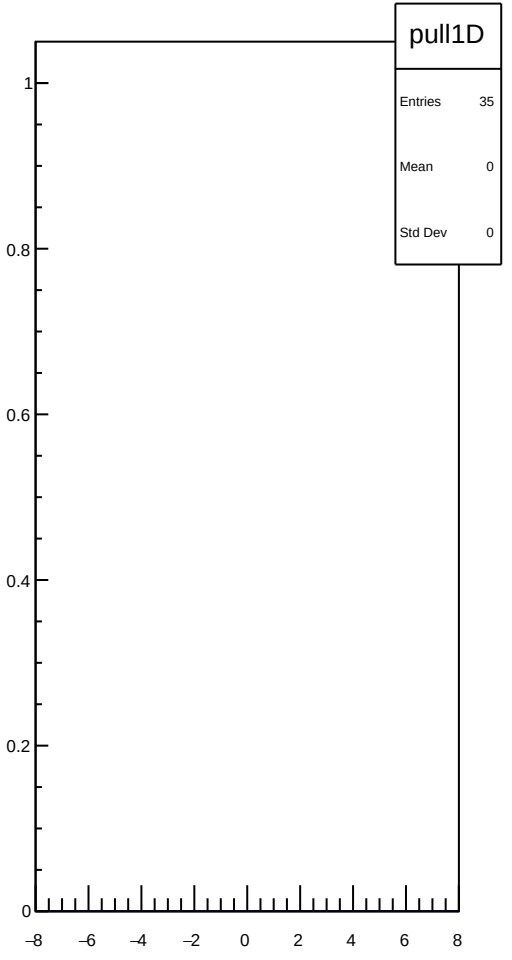

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

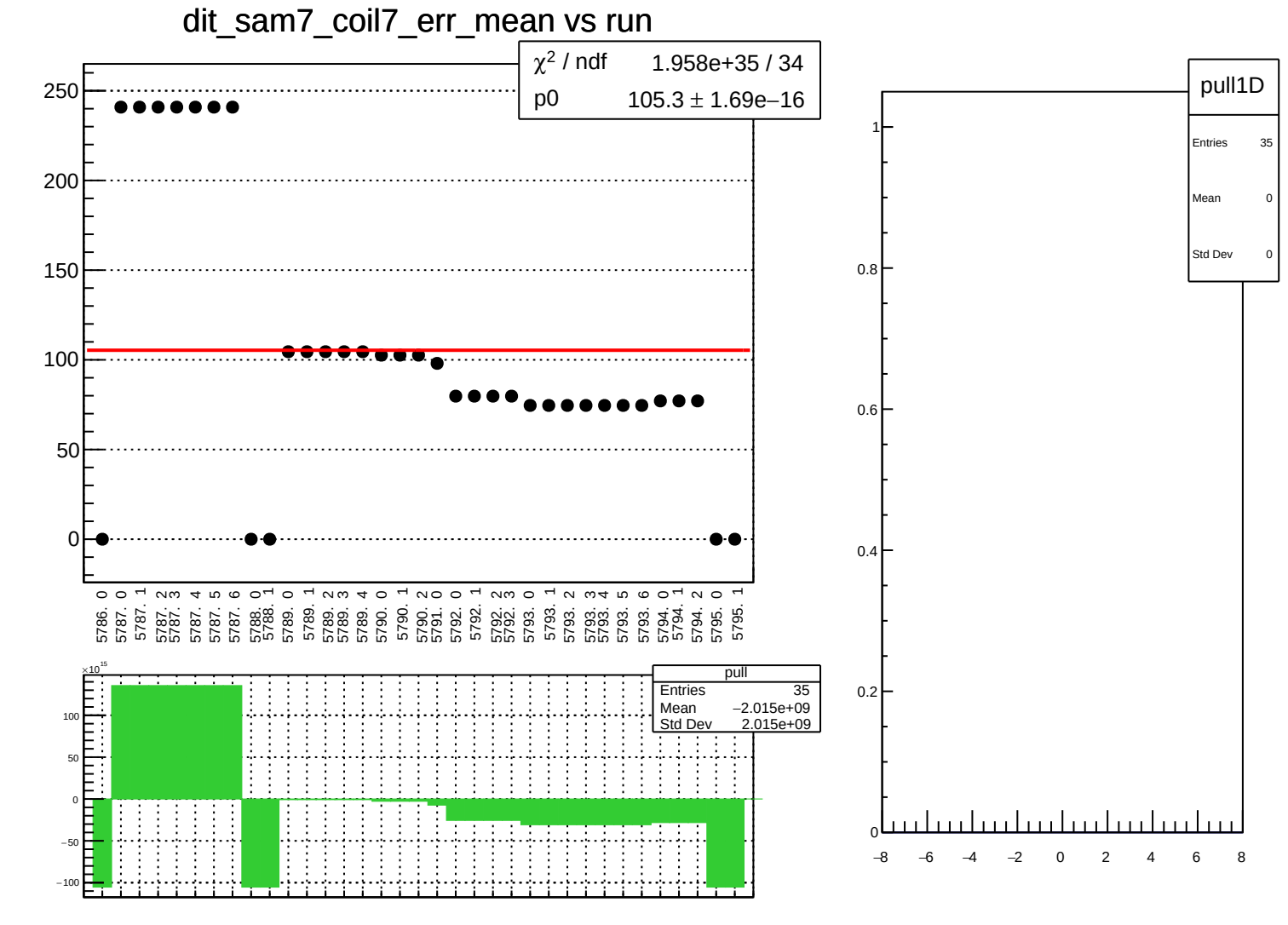

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

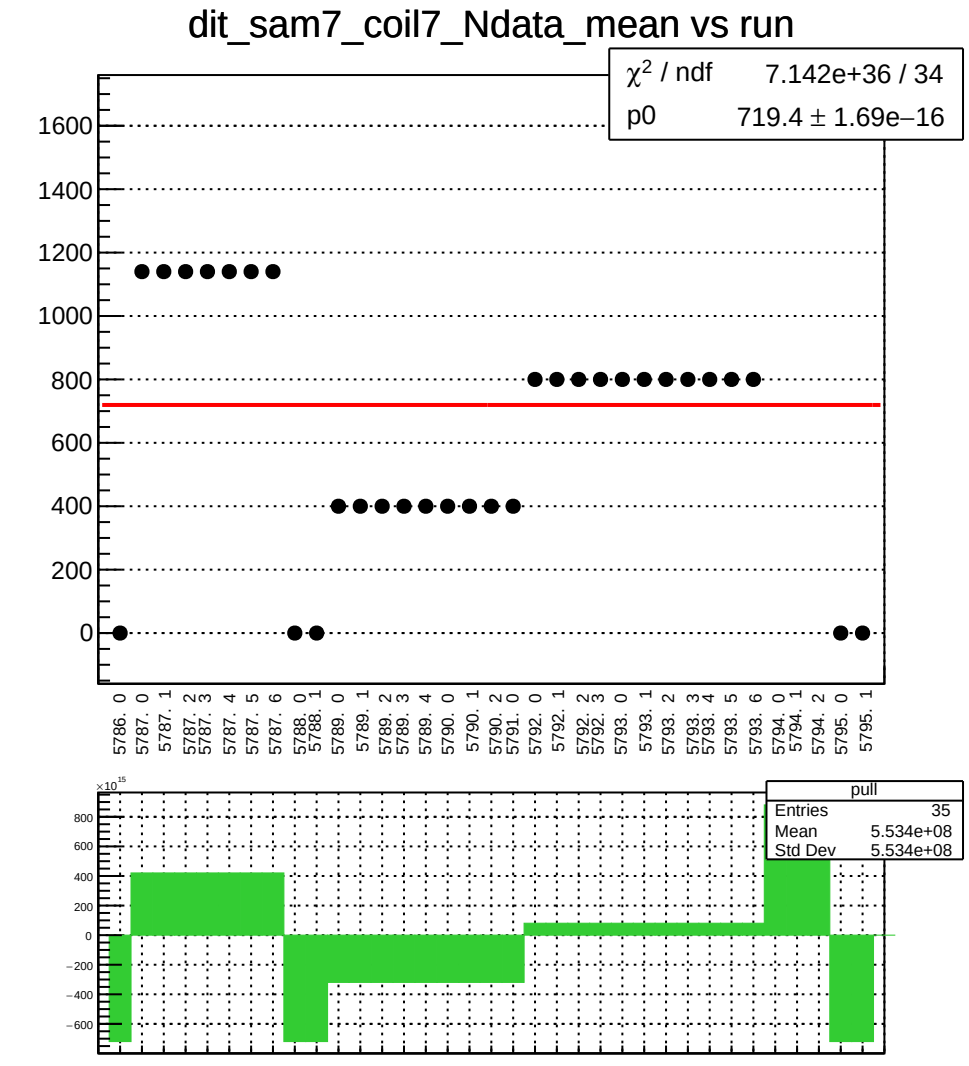

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

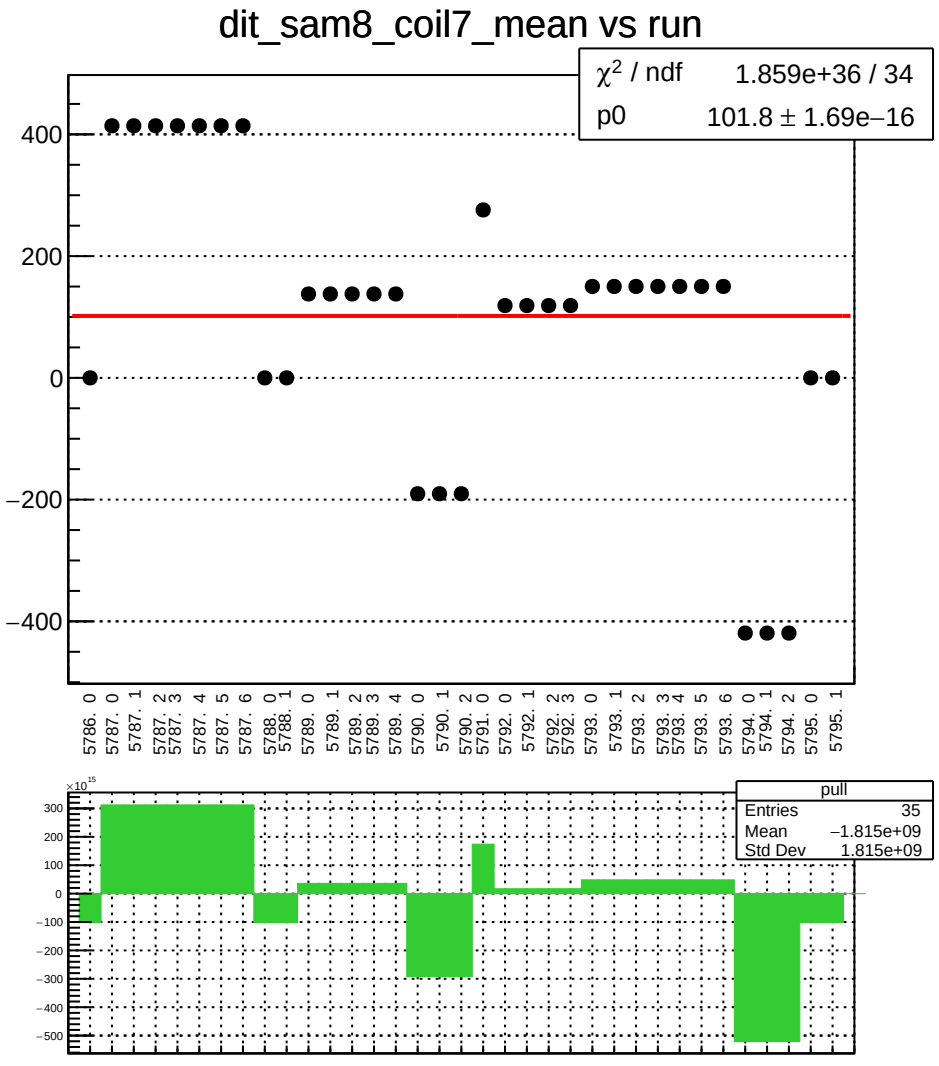

dit_sam7_coil7_mean vs run
χ² / ndf 2.761e+37 / 34
p0 −2157 ± 1.69e−16
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

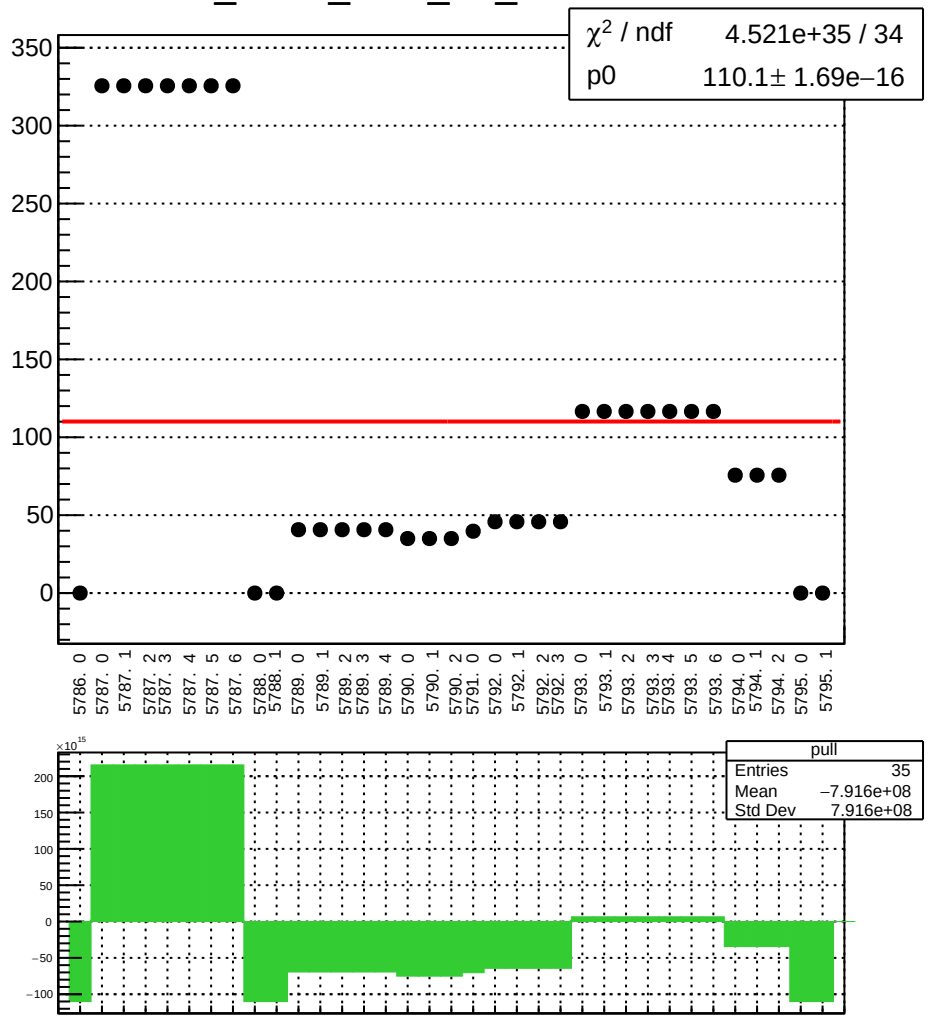

×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 35
Mean −1.039e+08
Std Dev 1.039e+08

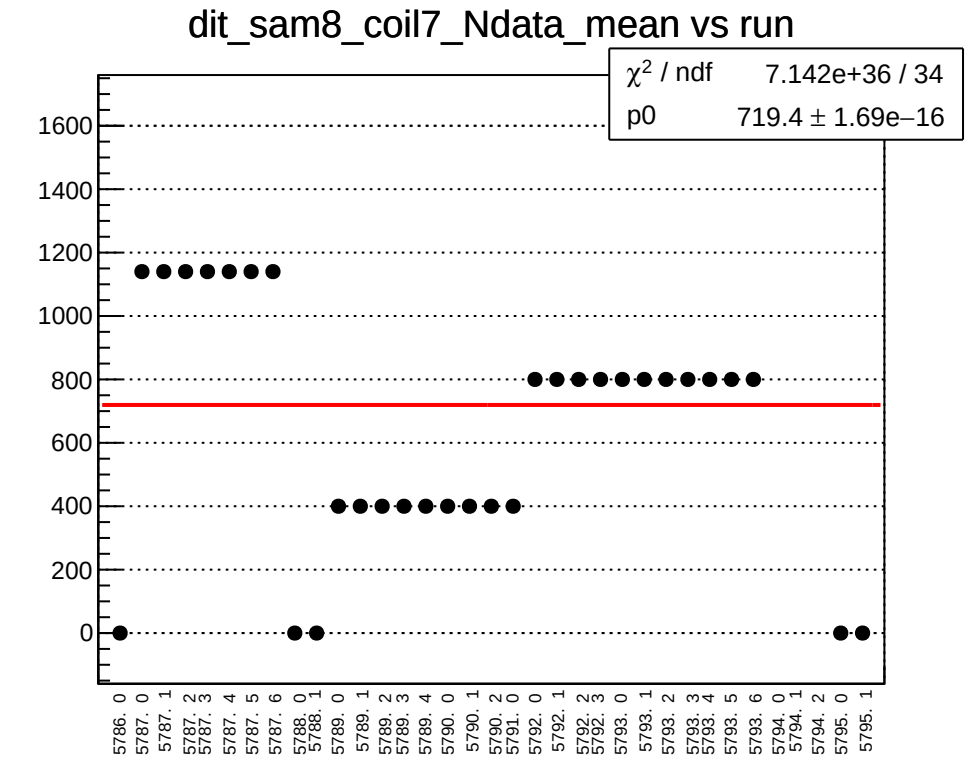

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

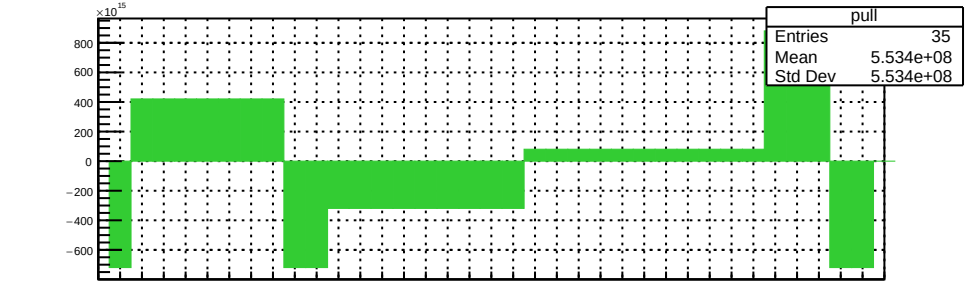

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.958e+35 / 34
p0 105.3 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
pull
Entries 35
Mean −2.015e+09
Std Dev 2.015e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

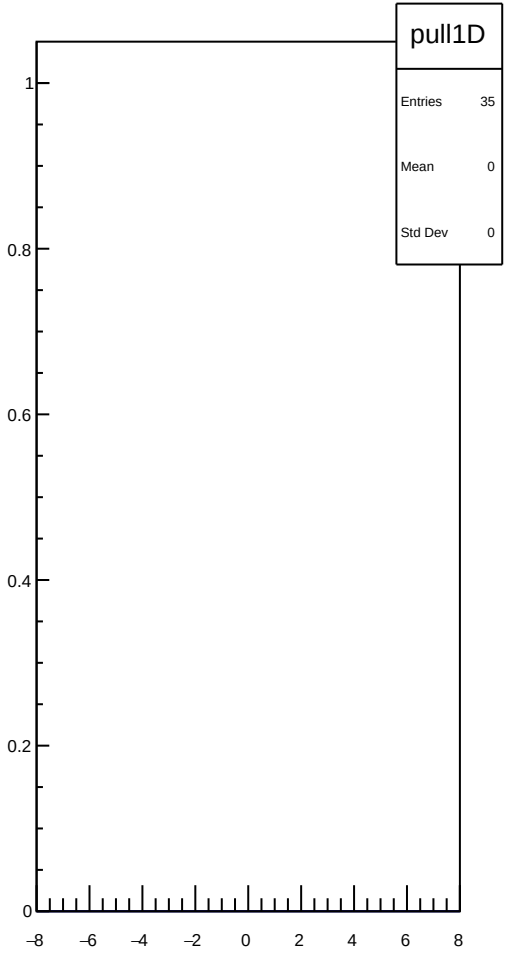

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

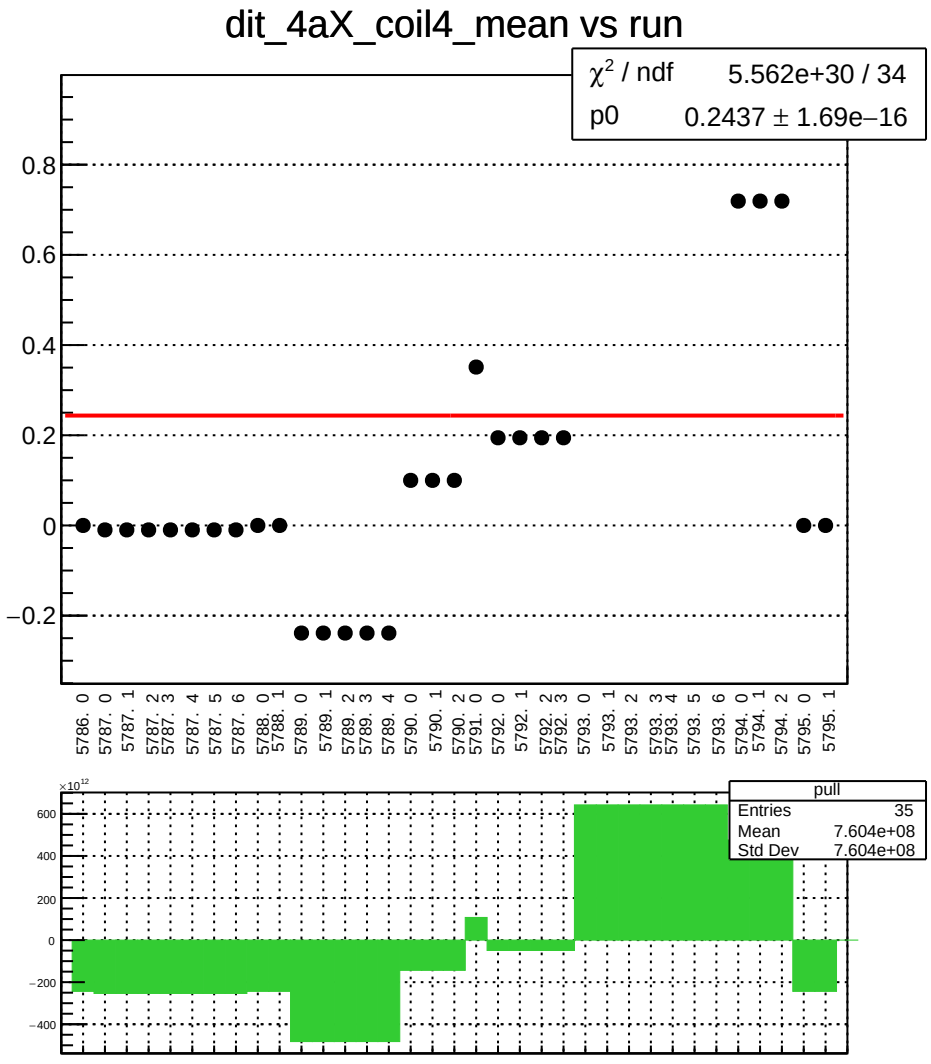

dit_sam8_coil7_mean vs run
χ² / ndf 1.859e+36 / 34
p0 101.8 ± 1.69e−16
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 35
Mean −1.815e+09
Std Dev 1.815e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

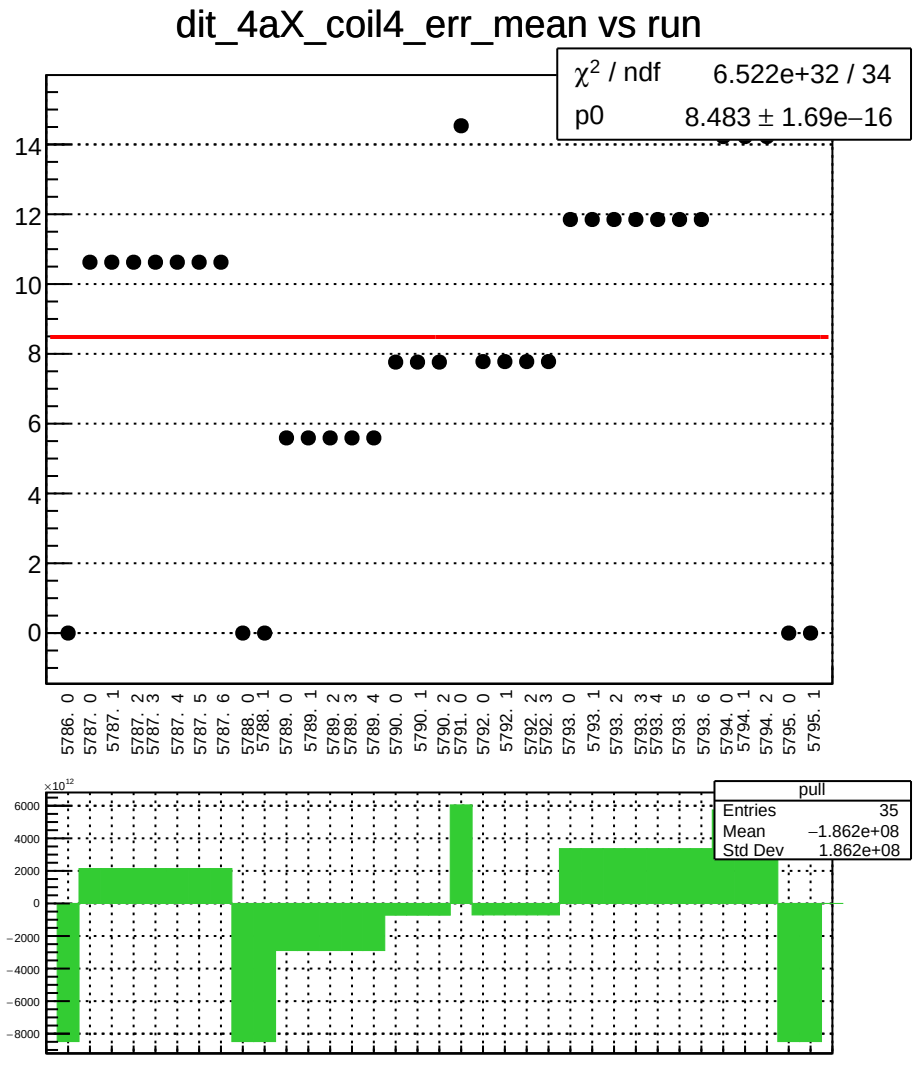

dit_sam8_coil7_err_mean vs run
χ² / ndf 4.521e+35 / 34
p0 110.1± 1.69e−16
pull
Entries 35
Mean −7.916e+08
Std Dev 7.916e+08
pull1D
Entries 35
Mean 0
Std Dev 0

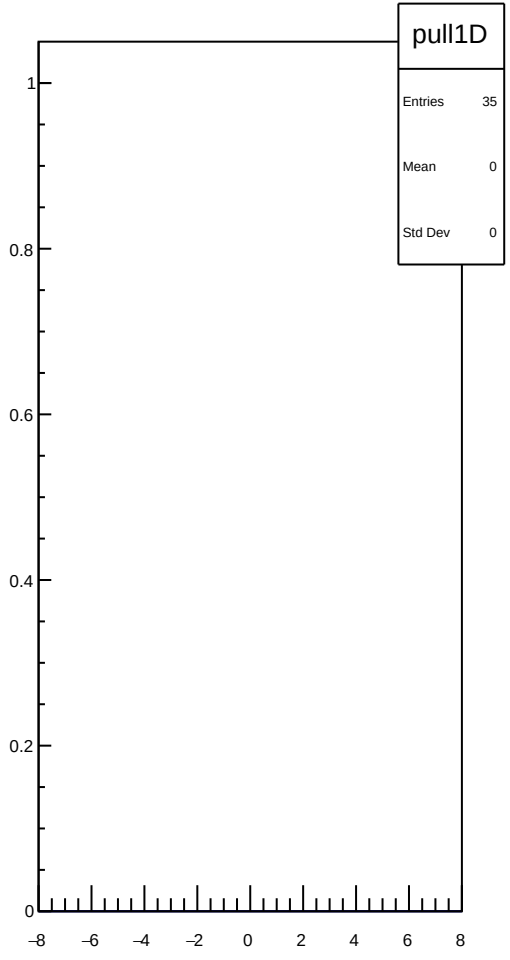

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 7.142e+36 / 34
p0 719.4 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

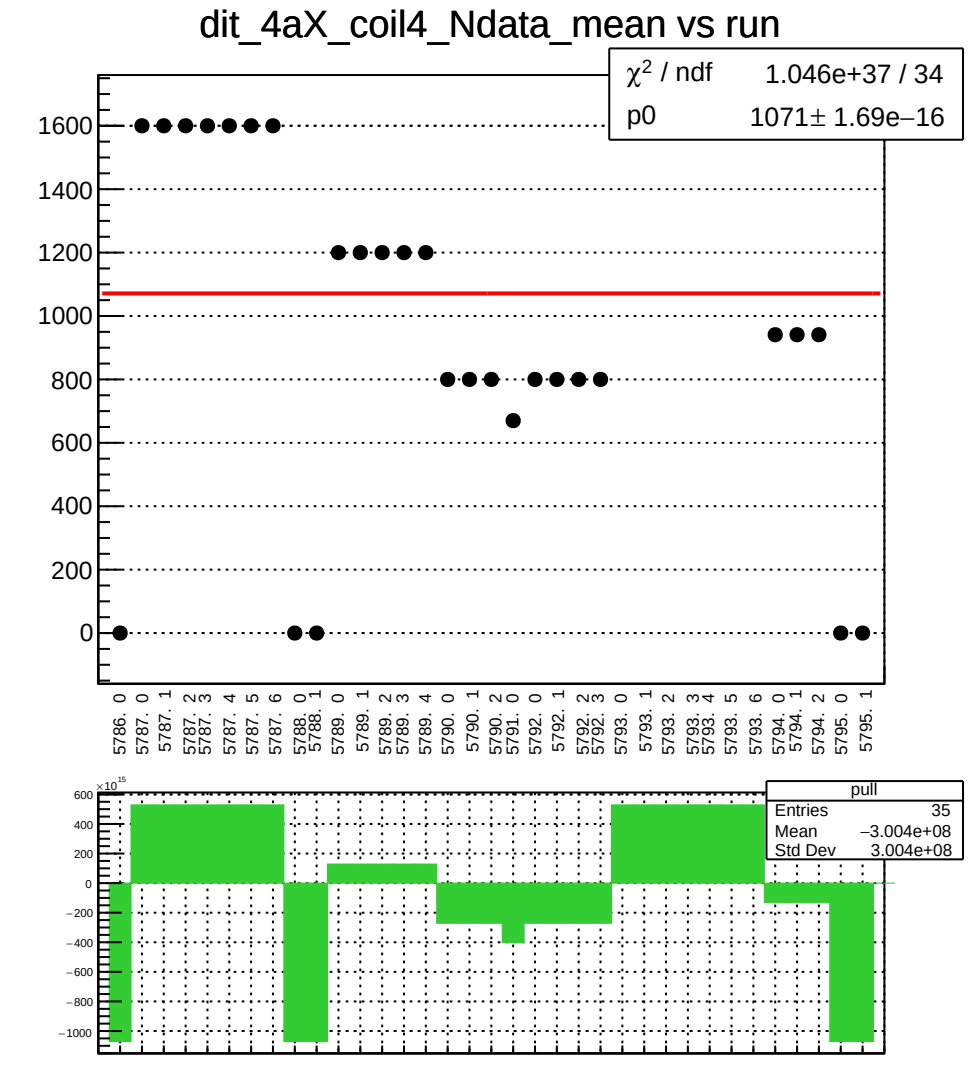

×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.534e+08
Std Dev 5.534e+08

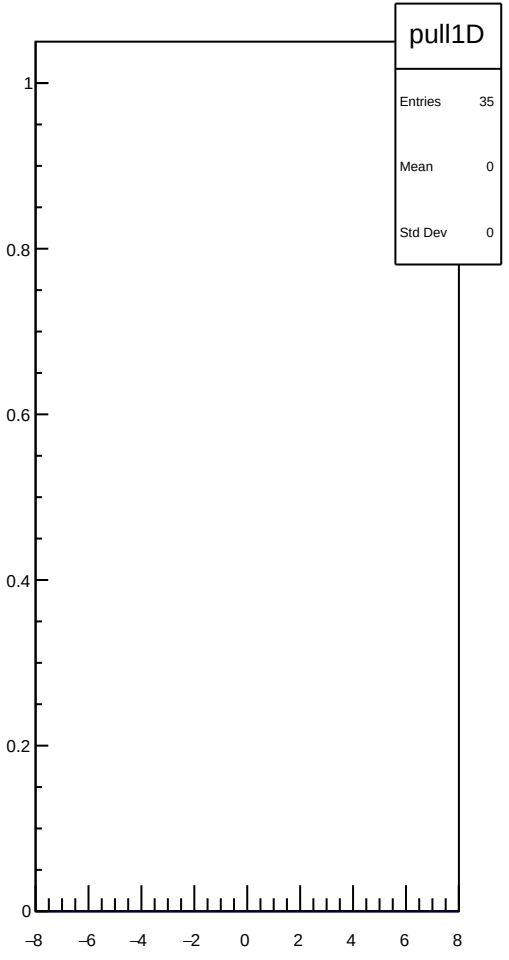

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

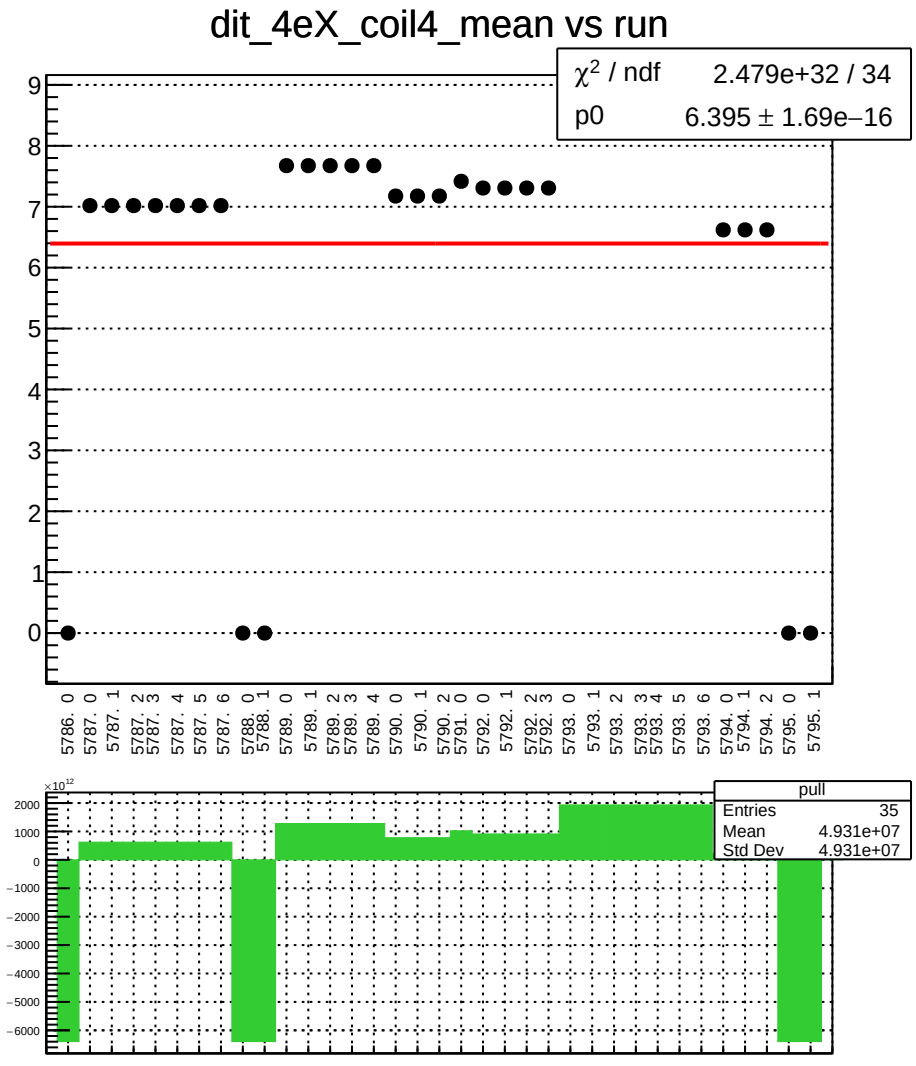

dit_4aX_coil4_mean vs run
χ² / ndf 5.562e+30 / 34
p0 0.2437 ± 1.69e−16
0.8
0.6
0.4
0.2
0
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
600
400
200
0
−200
−400
pull
Entries 35
Mean 7.604e+08
Std Dev 7.604e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

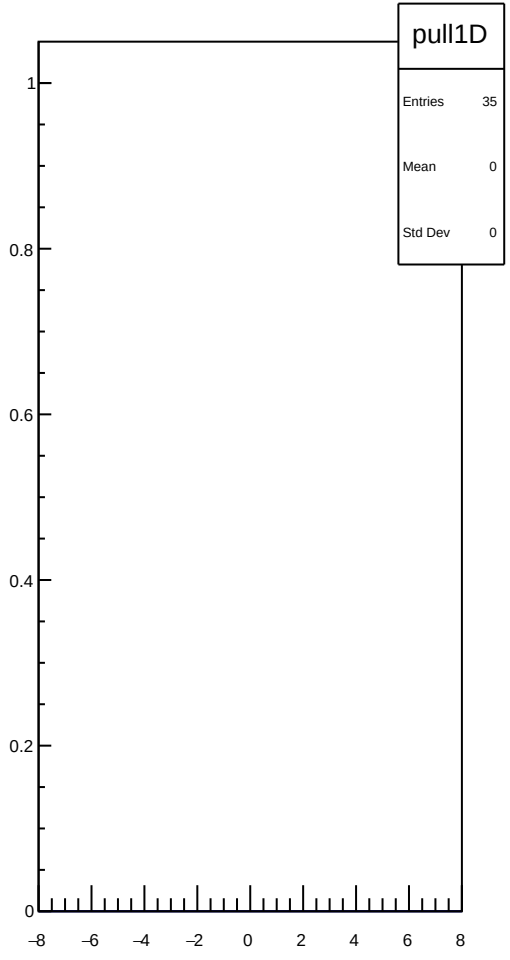

dit_4aX_coil4_err_mean vs run
χ² / ndf 6.522e+32 / 34
p0 8.483 ± 1.69e−16
pull
Entries 35
Mean −1.862e+08
Std Dev 1.862e+08
×10¹²

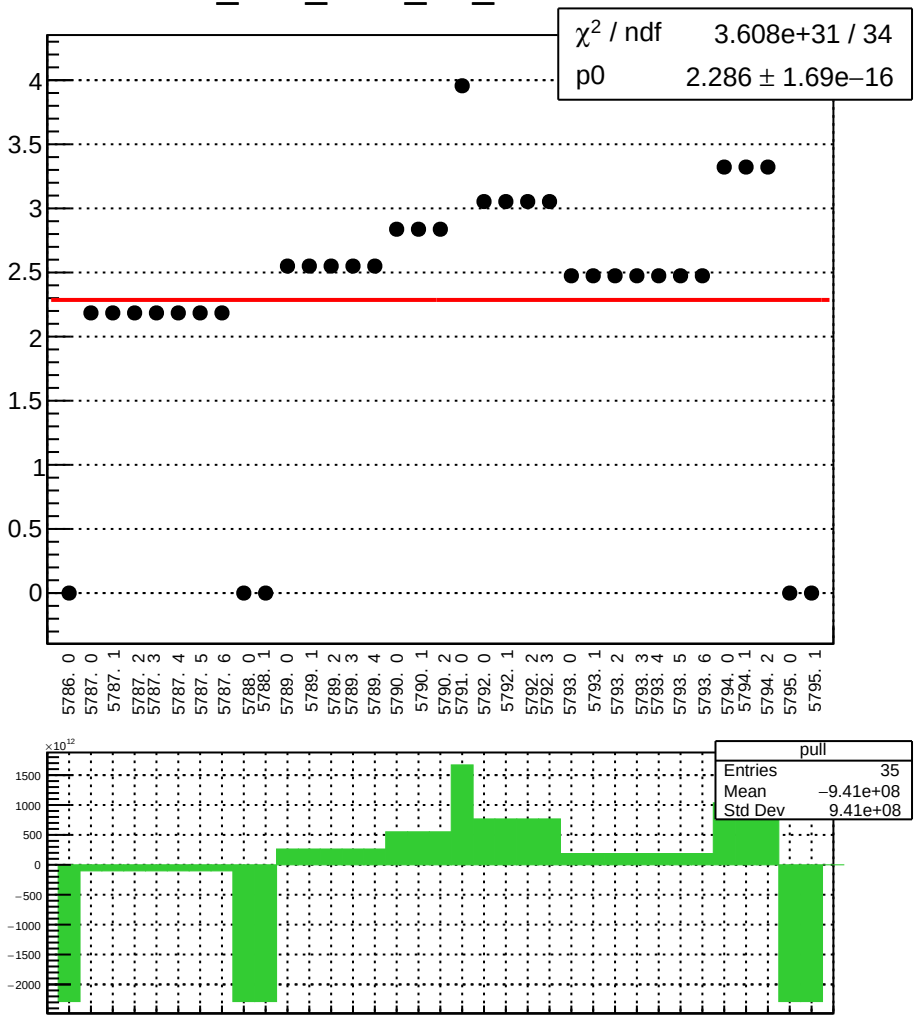

pull1D
Entries 35
Mean 0
Std Dev 0

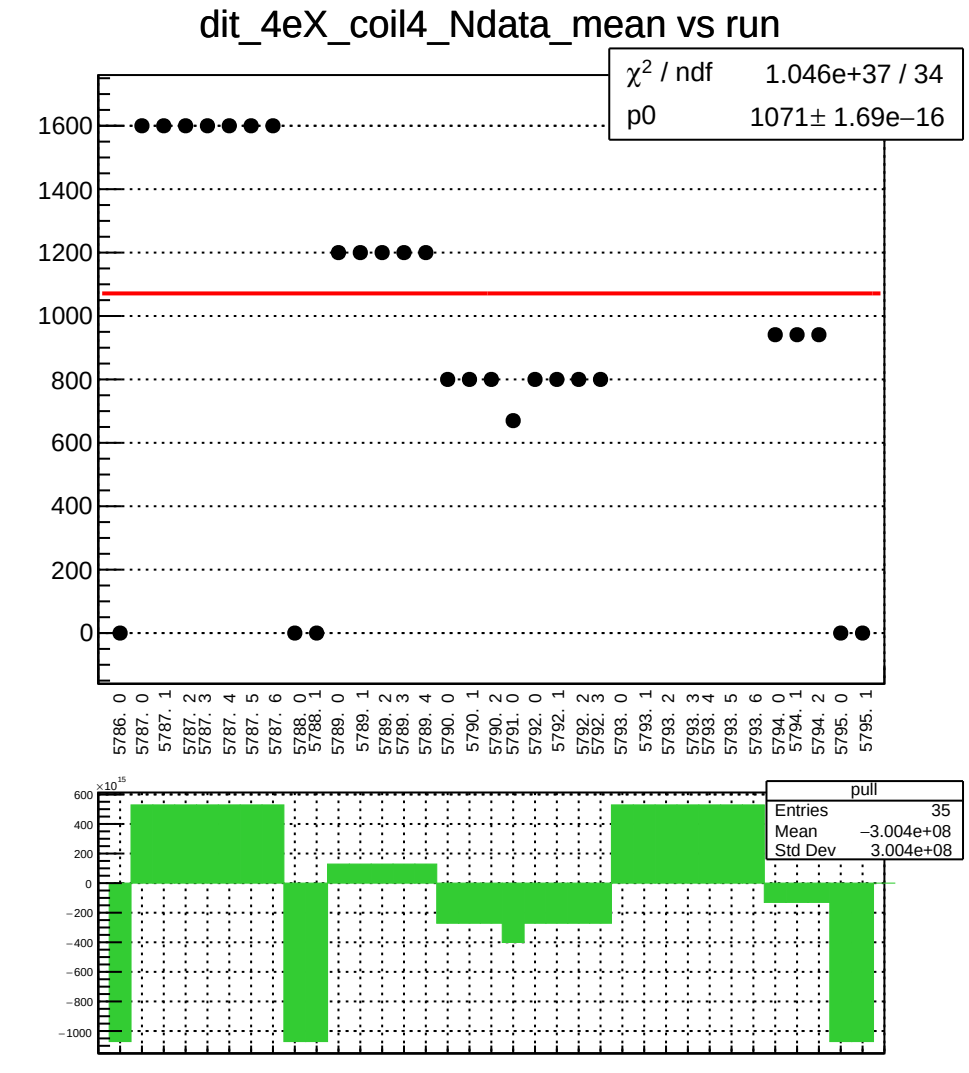

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

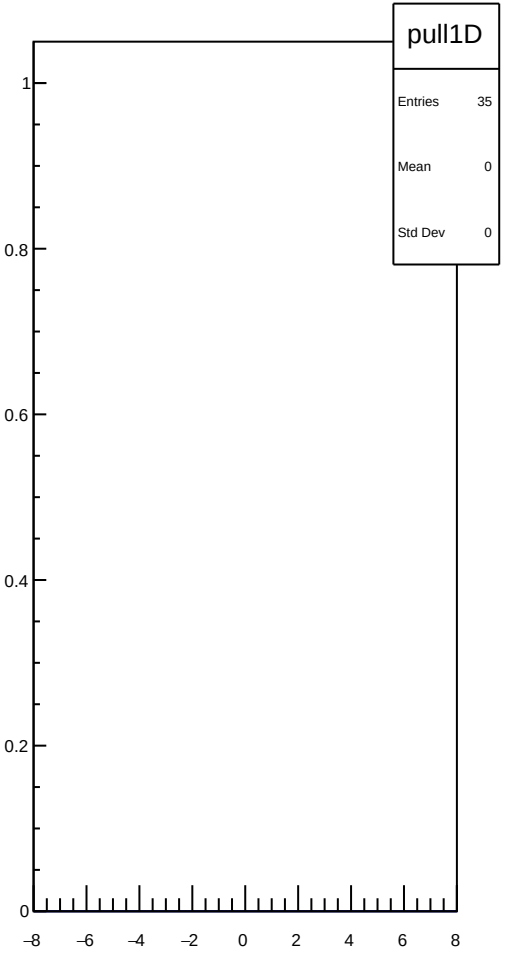

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

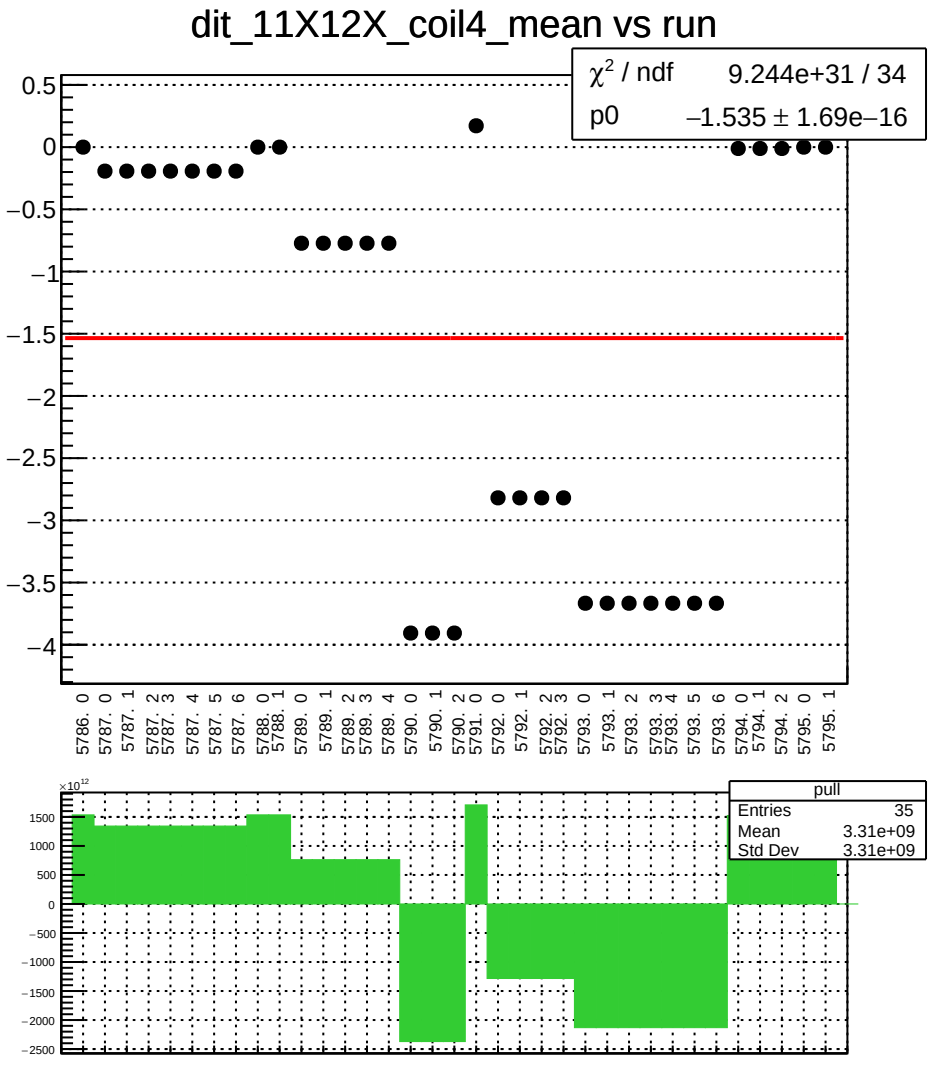

dit_4eX_coil4_mean vs run
χ² / ndf 2.479e+32 / 34
p0 6.395 ± 1.69e−16
pull
Entries 35
Mean 4.931e+07
Std Dev 4.931e+07

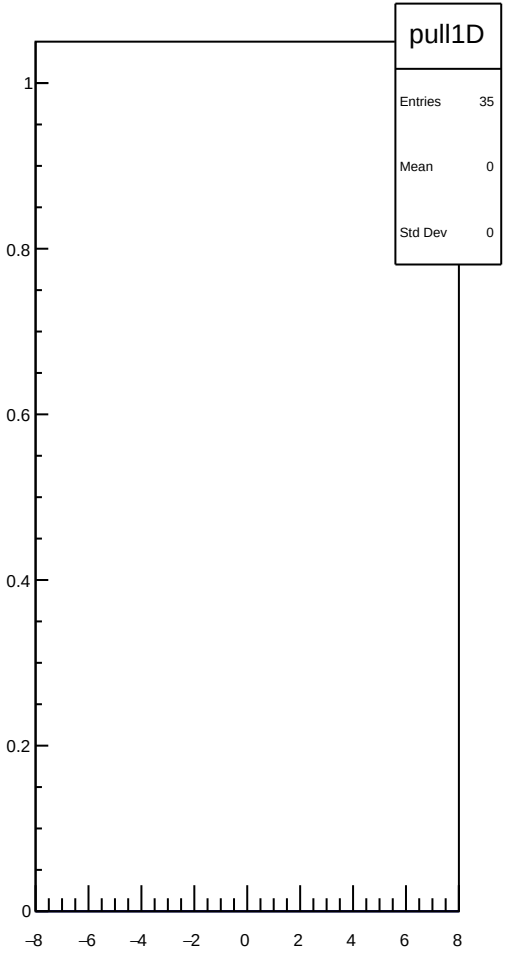

pull1D
Entries 35
Mean 0
Std Dev 0

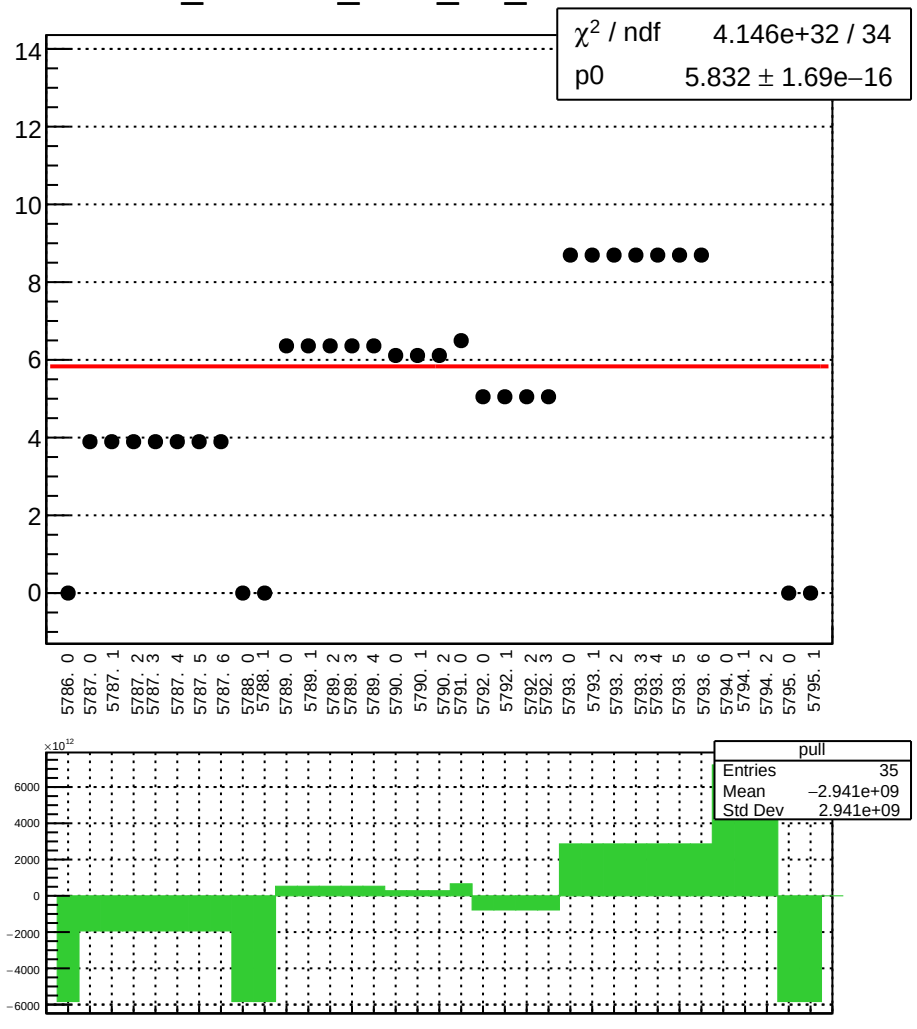

dit_4eX_coil4_err_mean vs run
χ² / ndf 3.608e+31 / 34
p0 2.286 ± 1.69e−16
pull
Entries 35
Mean −9.41e+08
Std Dev 9.41e+08
pull1D
Entries 35
Mean 0
Std Dev 0

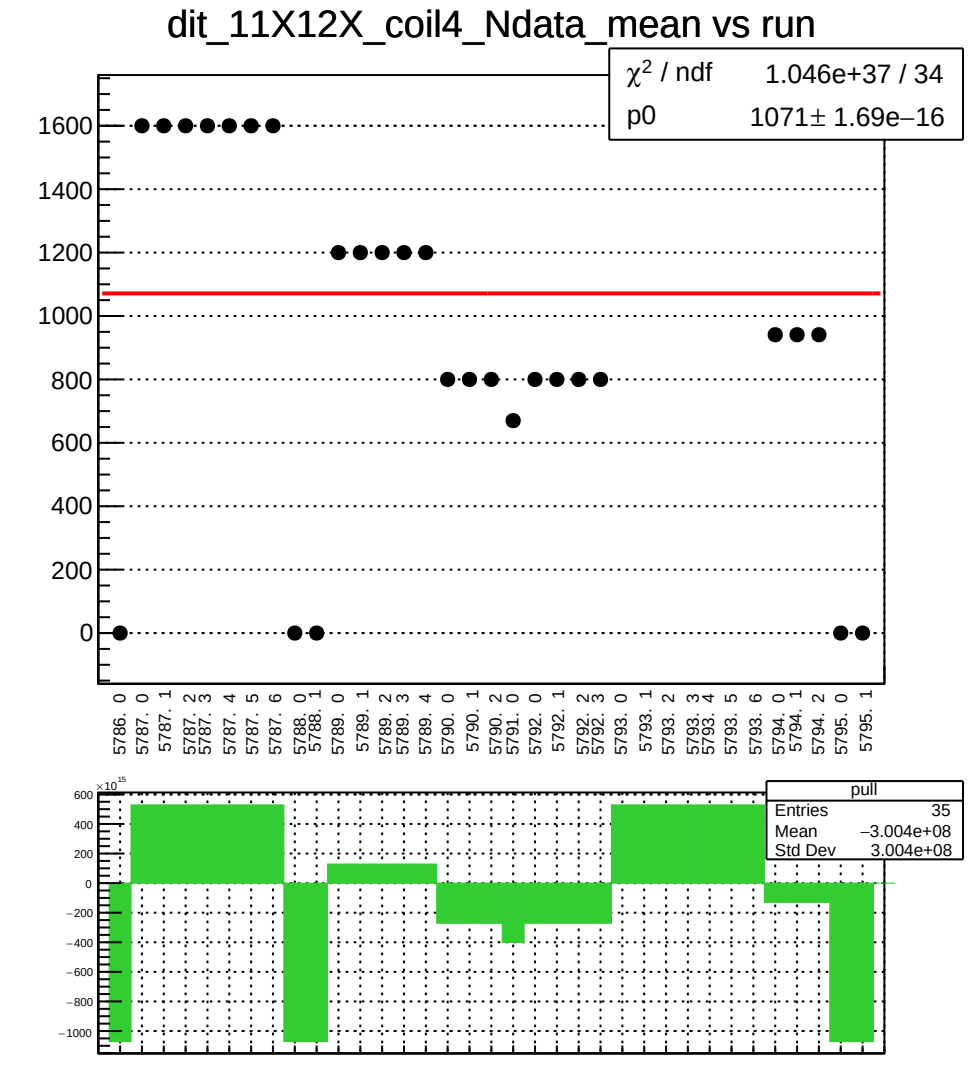

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

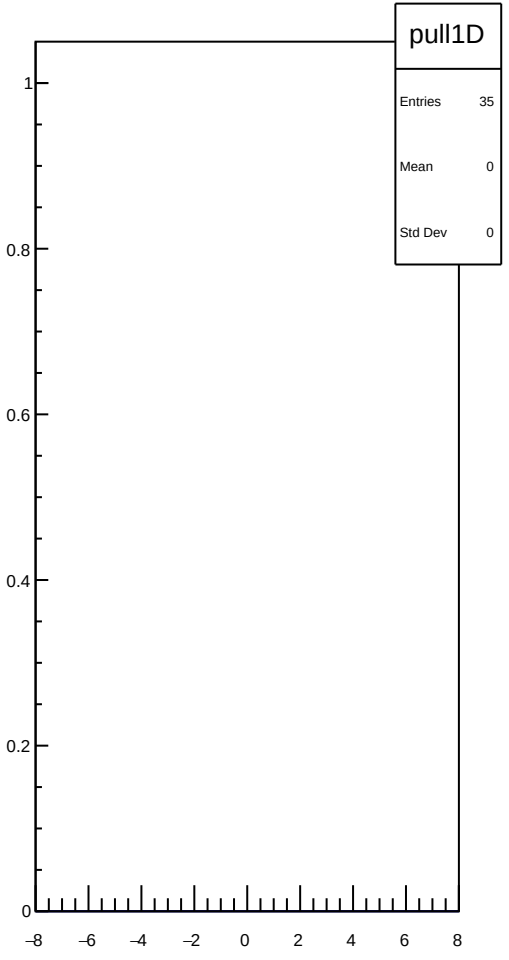

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

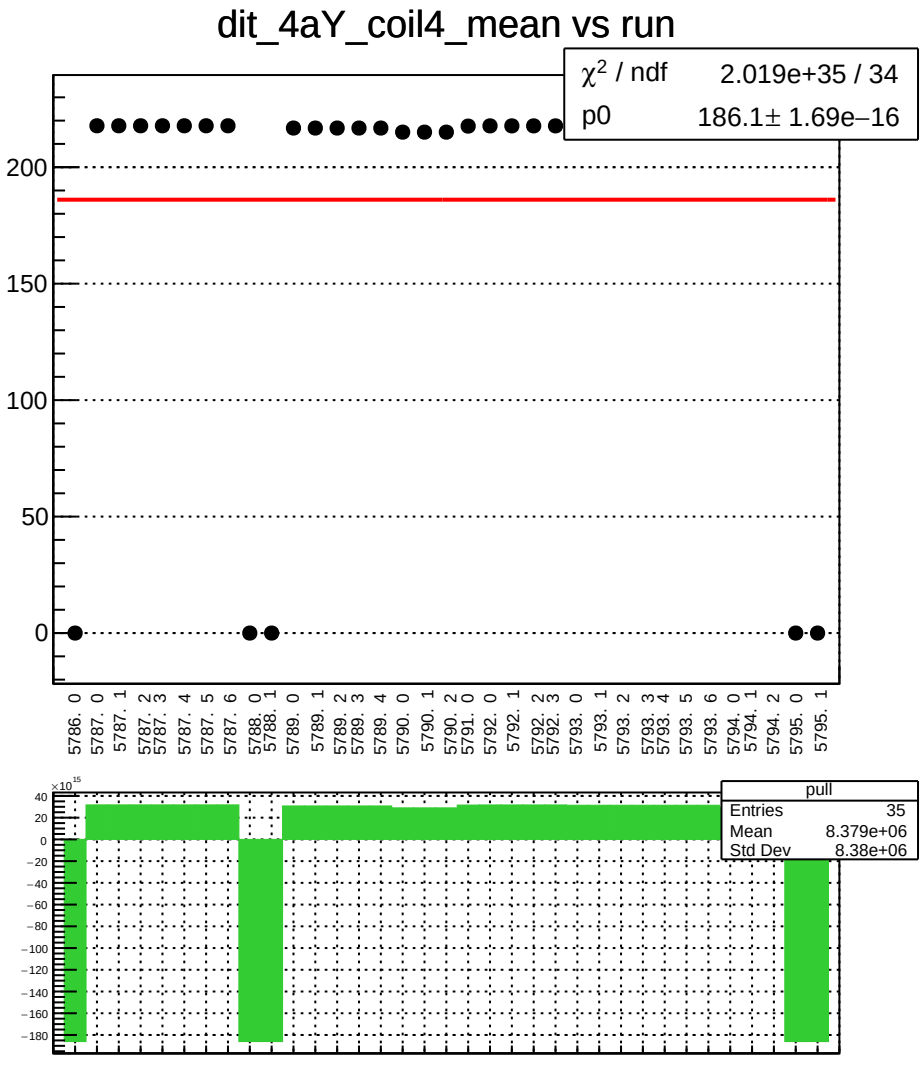

dit_11X12X_coil4_mean vs run
χ² / ndf 9.244e+31 / 34
p0 –1.535 ± 1.69e–16
0.5
0
–0.5
–1
–1.5
–2
–2.5
–3
–3.5
–4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1500
1000
500
0
–500
–1000
–1500
–2000
–2500
pull
Entries 35
Mean 3.31e+09
Std Dev 3.31e+09

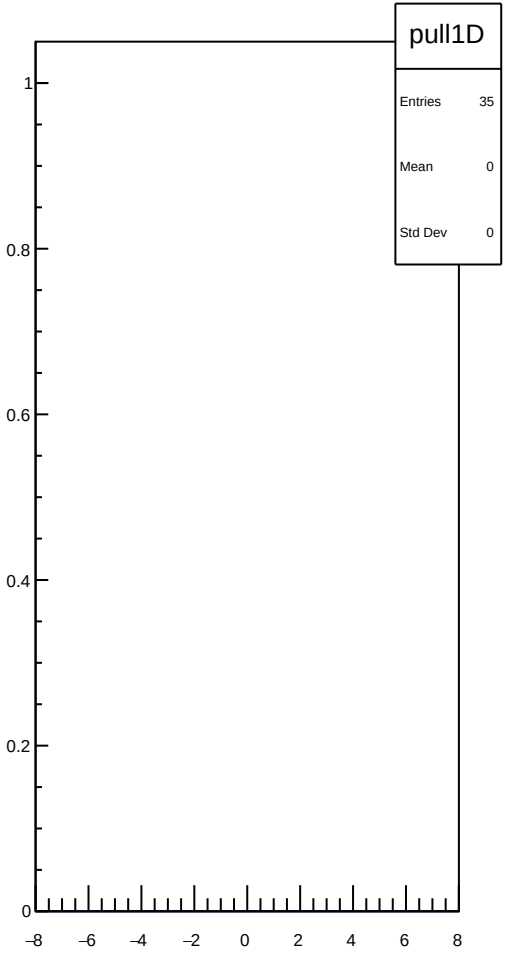

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

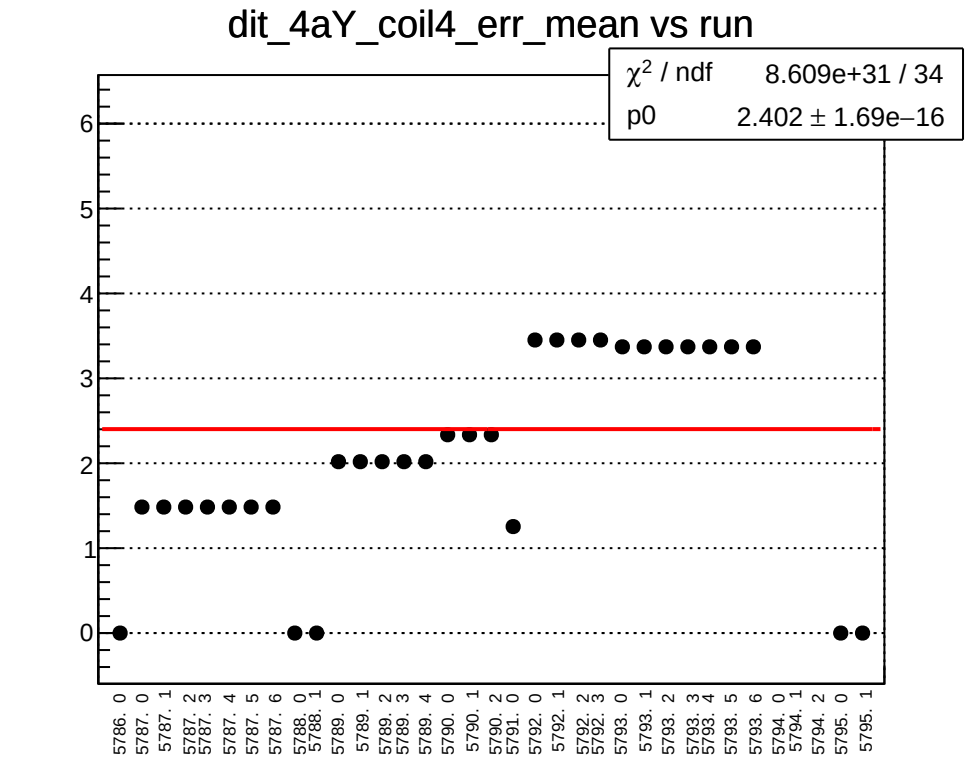

dit_11X12X_coil4_err_mean vs run
χ² / ndf 4.146e+32 / 34
p0 5.832 ± 1.69e−16
14
12
10
8
6
4
2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 35
Mean −2.941e+09
Std Dev 2.941e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

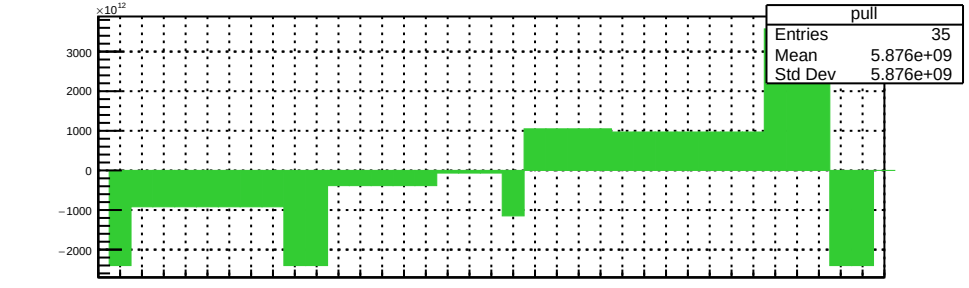

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

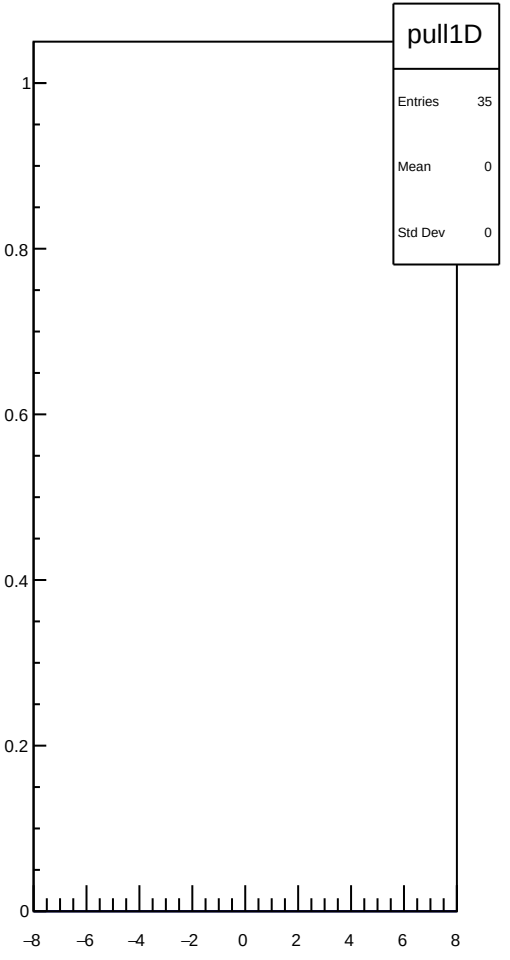

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

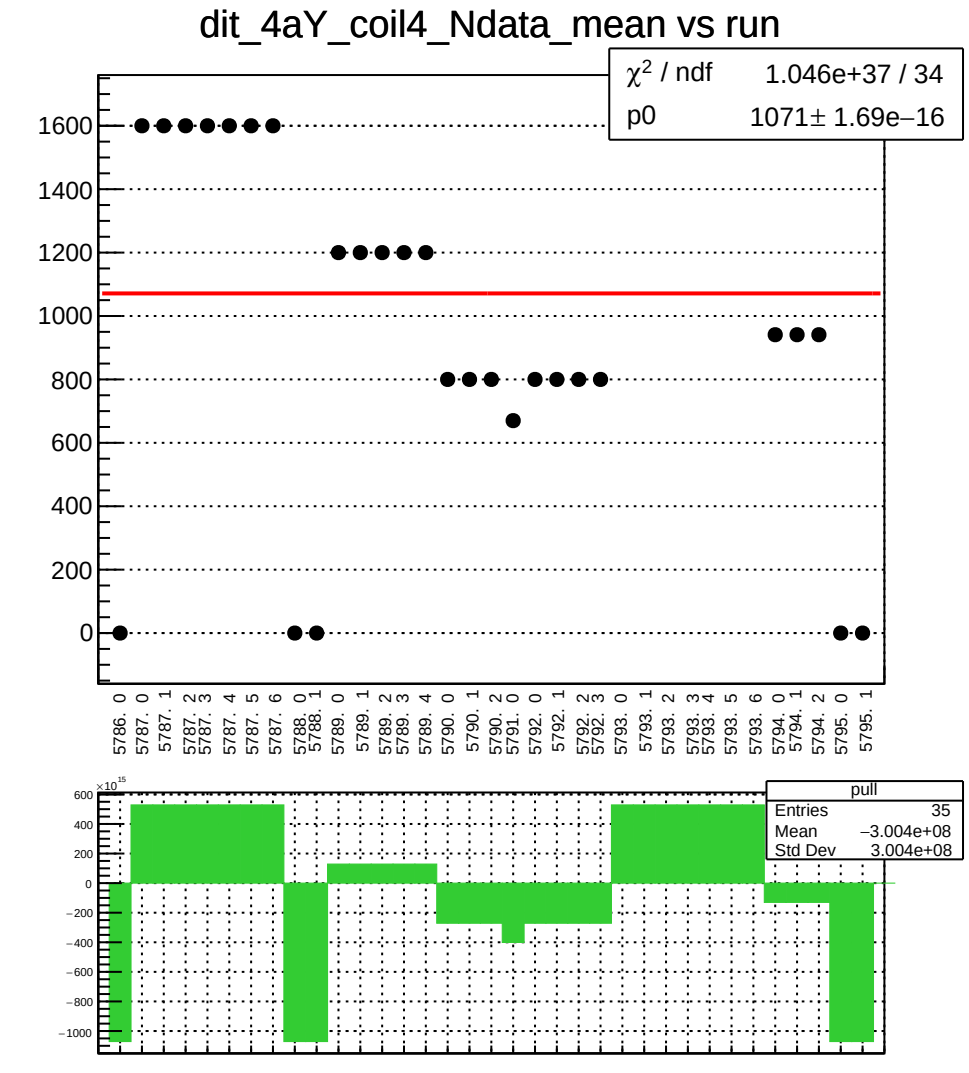

dit_4aY_coil4_mean vs run
χ² / ndf 2.019e+35 / 34
p0 186.1± 1.69e−16
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull
Entries 35
Mean 8.379e+06
Std Dev 8.38e+06

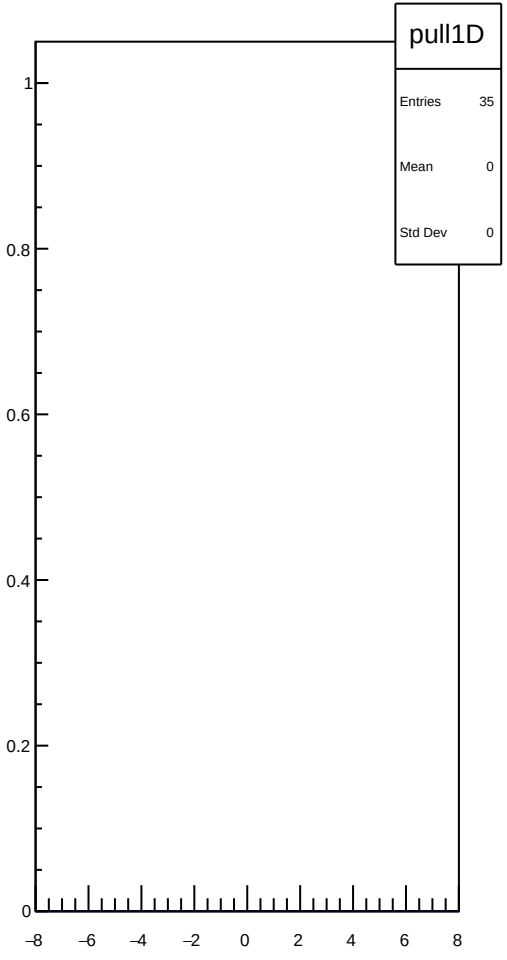

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

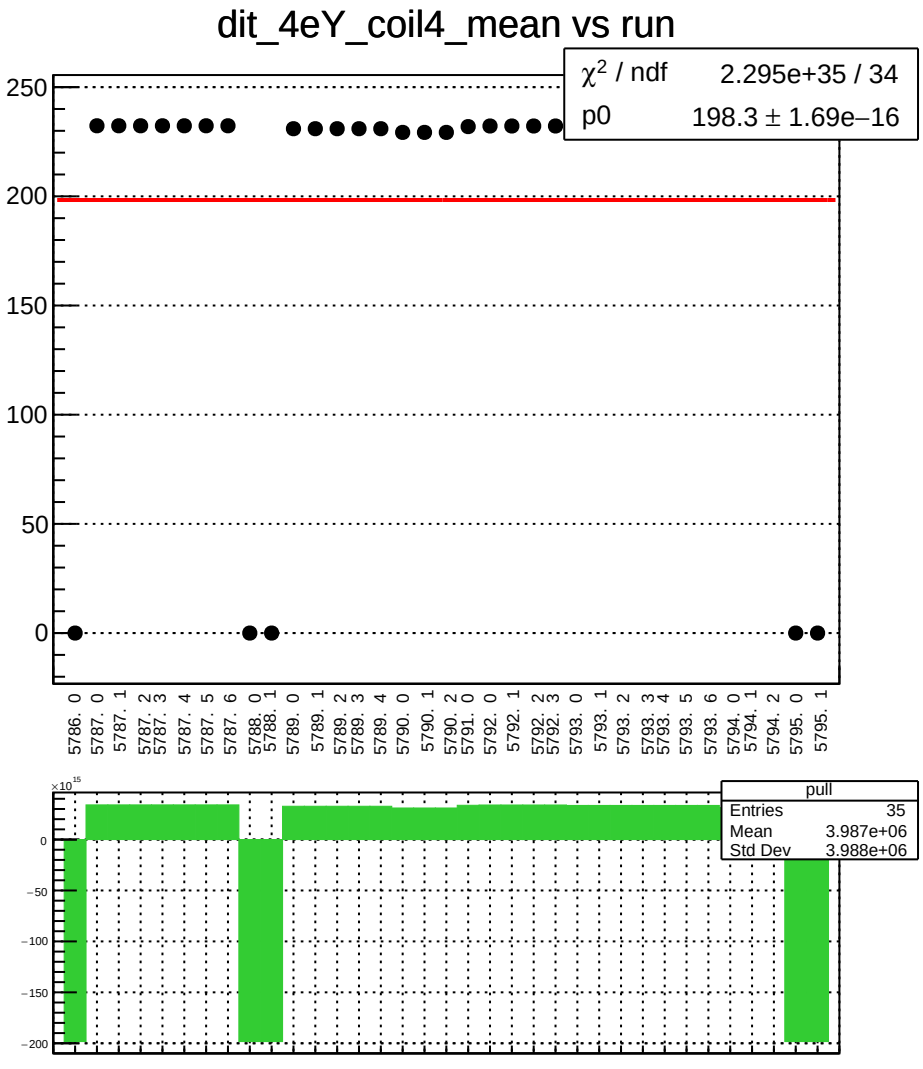

dit_4aY_coil4_err_mean vs run
χ² / ndf 8.609e+31 / 34
p0 2.402 ± 1.69e−16
0
1
2
3
4
5
6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

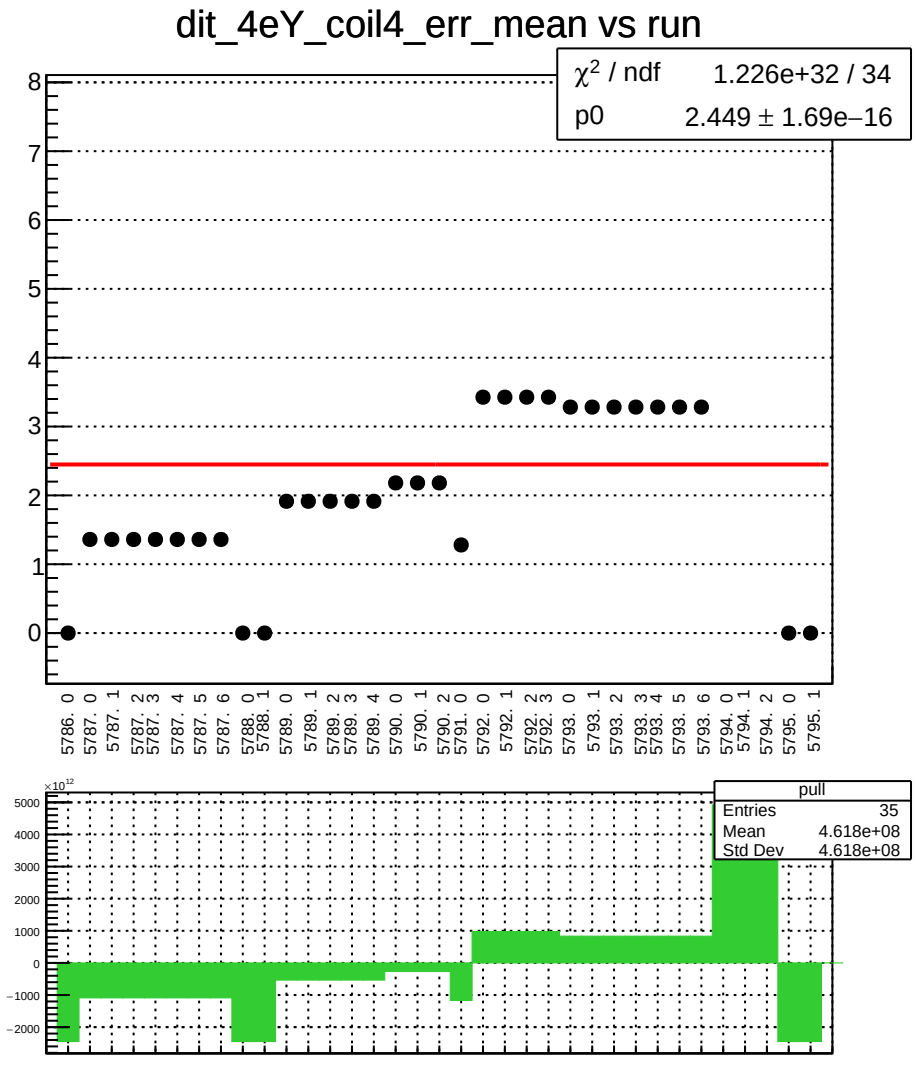

×10¹²
3000
2000
1000
0
−1000
−2000
pull
Entries 35
Mean 5.876e+09
Std Dev 5.876e+09

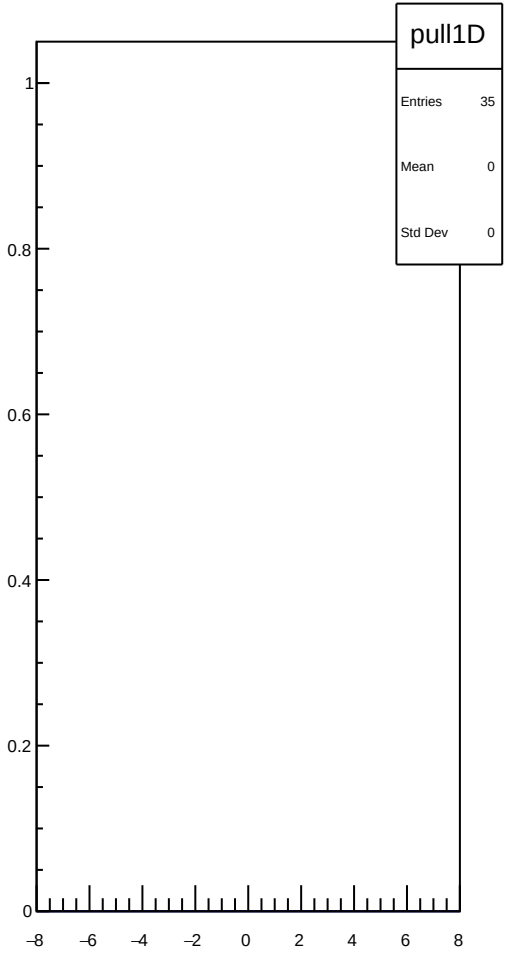

pull1D
Entries 35
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

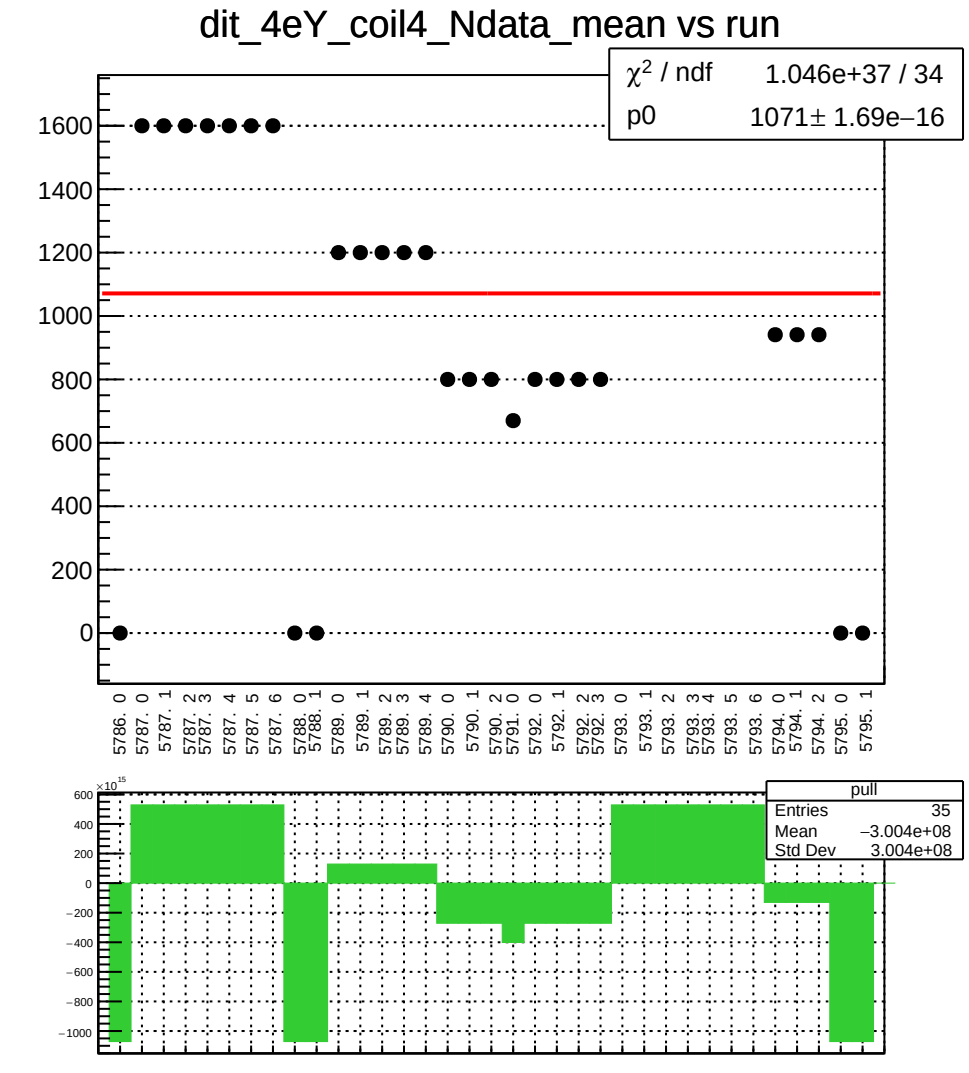

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

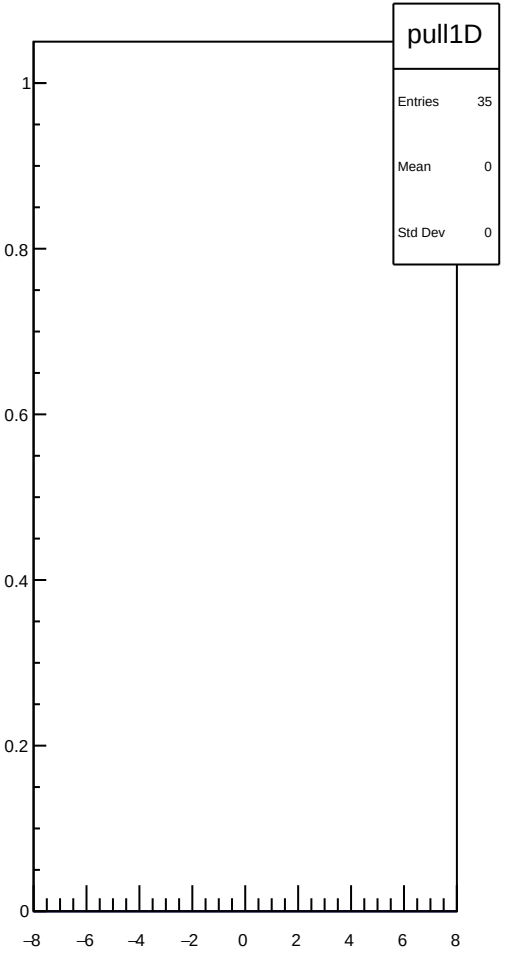

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

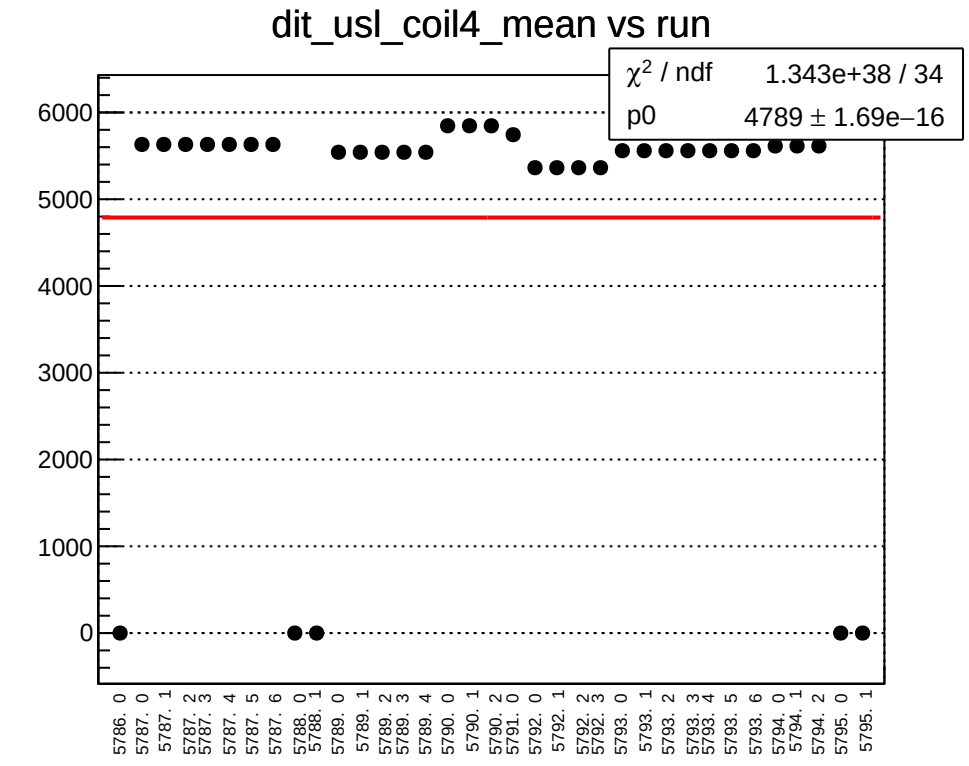

dit_4eY_coil4_mean vs run
χ² / ndf 2.295e+35 / 34
p0 198.3 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
0
−50
−100
−150
−200
pull
Entries 35
Mean 3.987e+06
Std Dev 3.988e+06
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

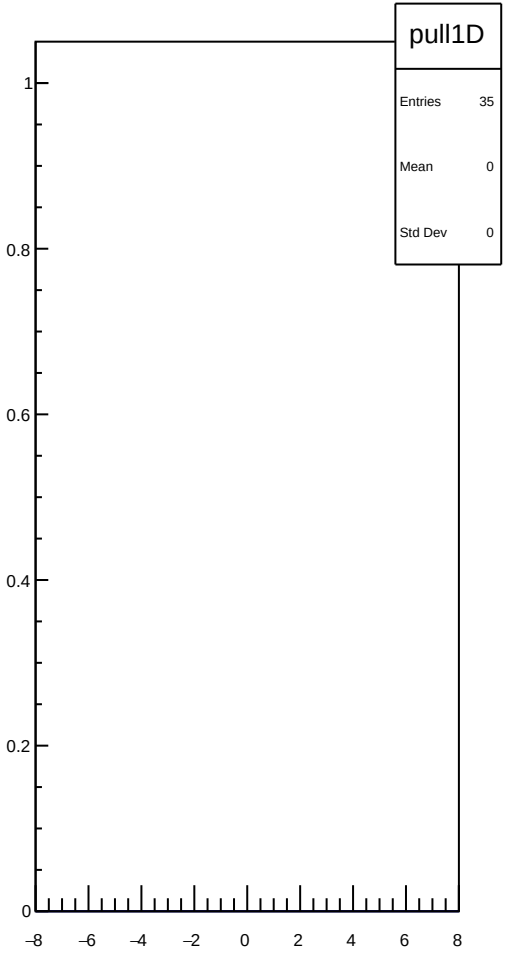

dit_4eY_coil4_err_mean vs run
χ² / ndf 1.226e+32 / 34
p0 2.449 ± 1.69e−16
pull
Entries 35
Mean 4.618e+08
Std Dev 4.618e+08
×10¹²

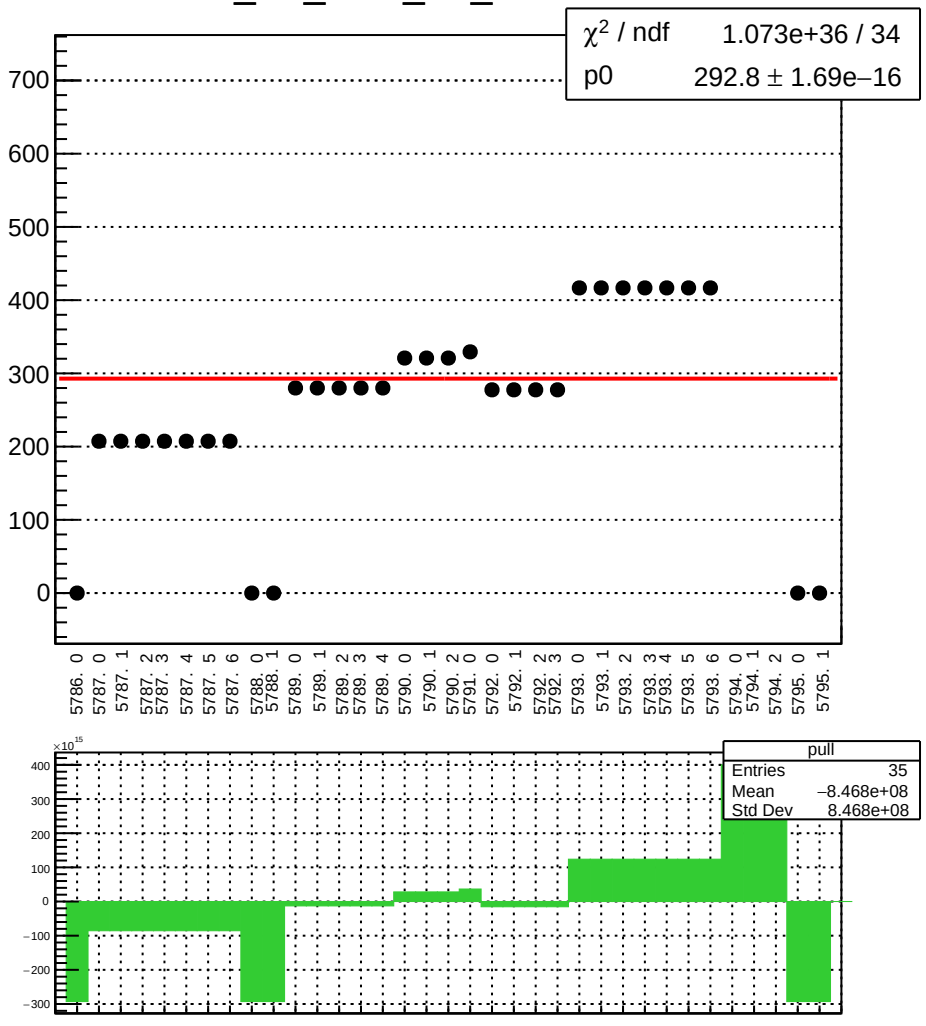

pull1D
Entries 35
Mean 0
Std Dev 0

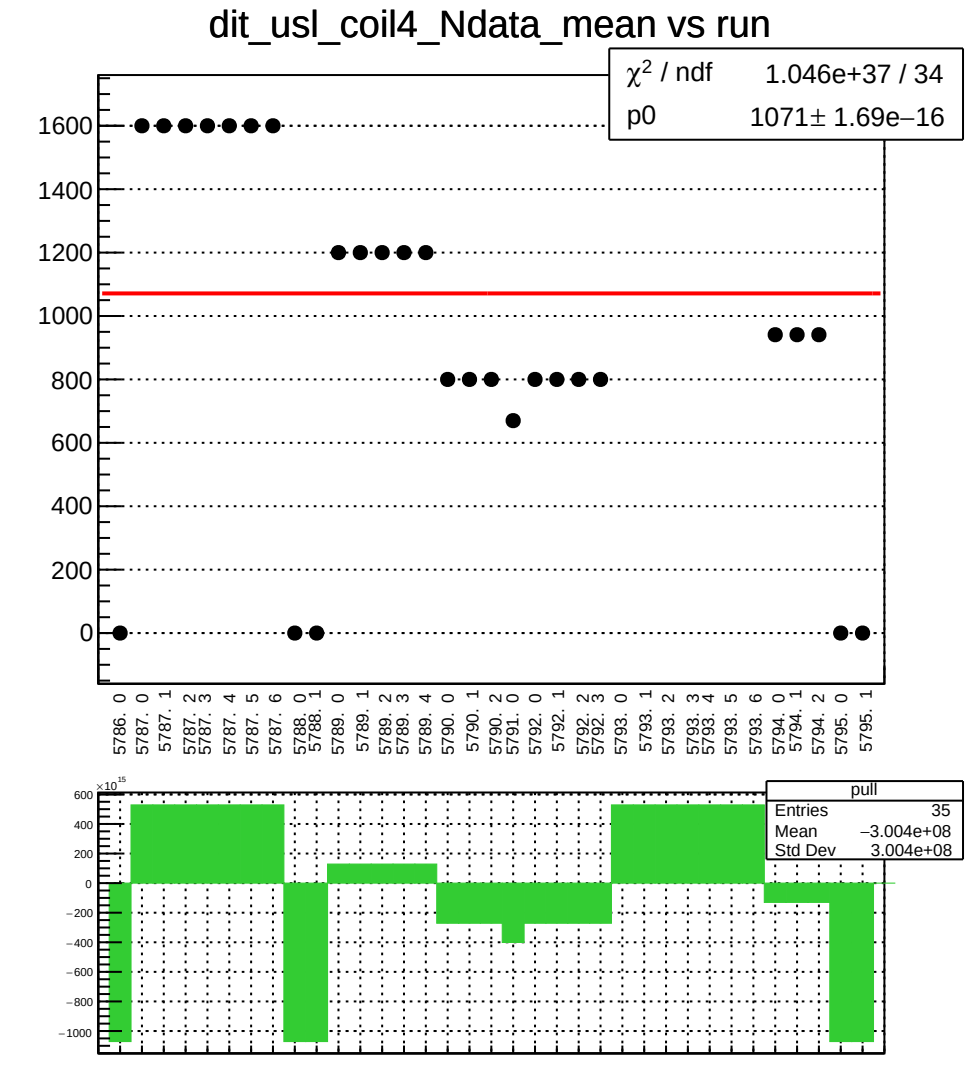

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

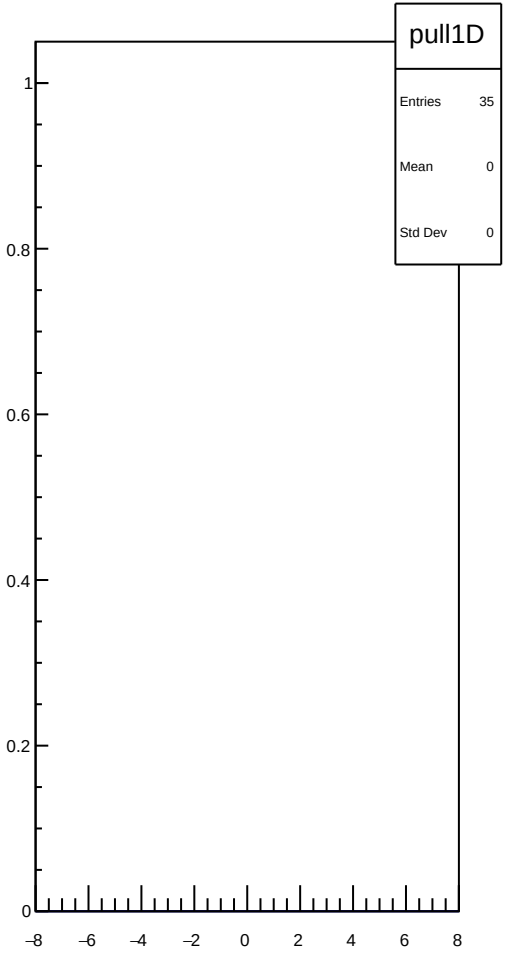

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

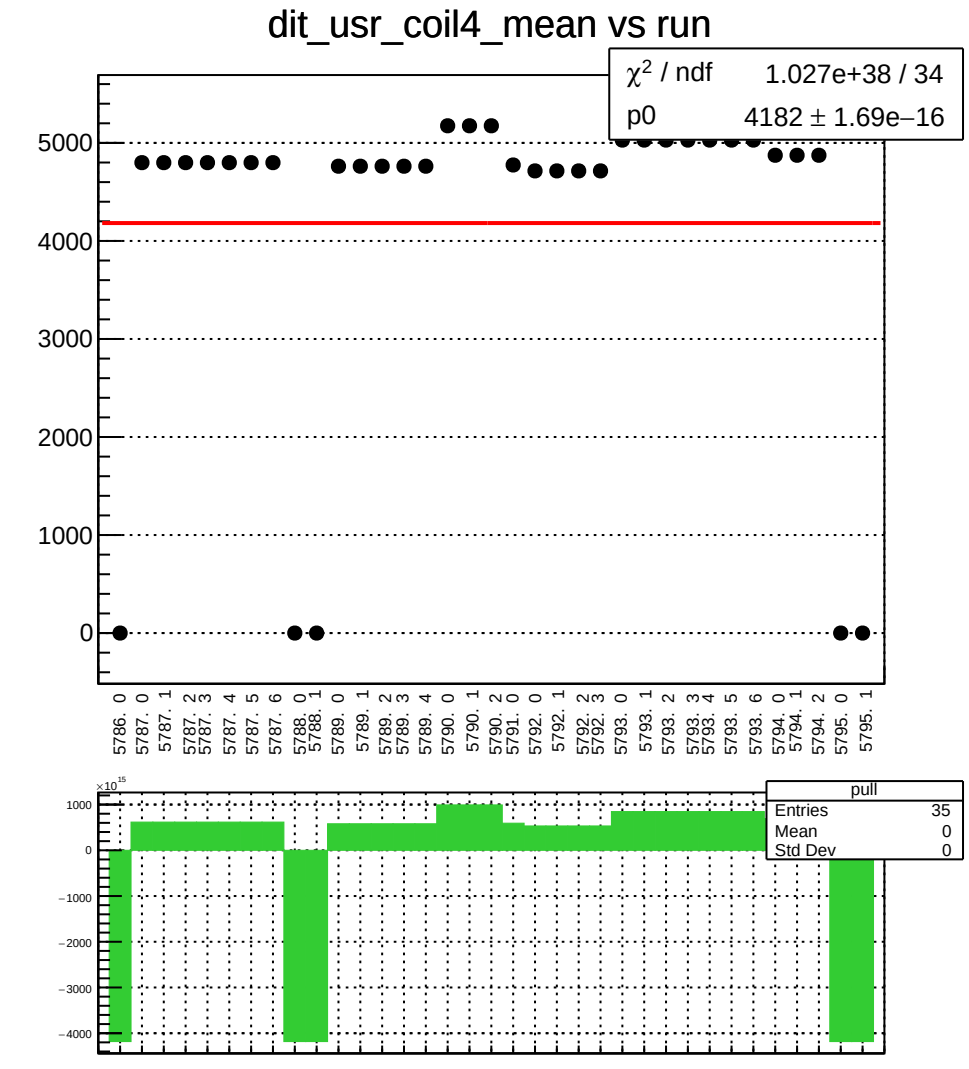

dit_usl_coil4_mean vs run
χ² / ndf 1.343e+38 / 34
p0 4789 ± 1.69e−16
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 35
Mean −3.509e+06
Std Dev 3.51e+06

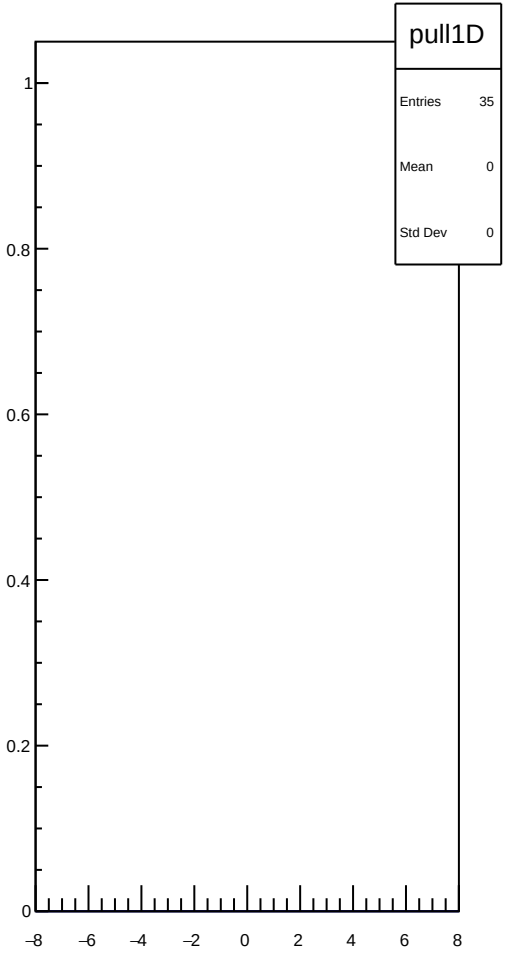

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

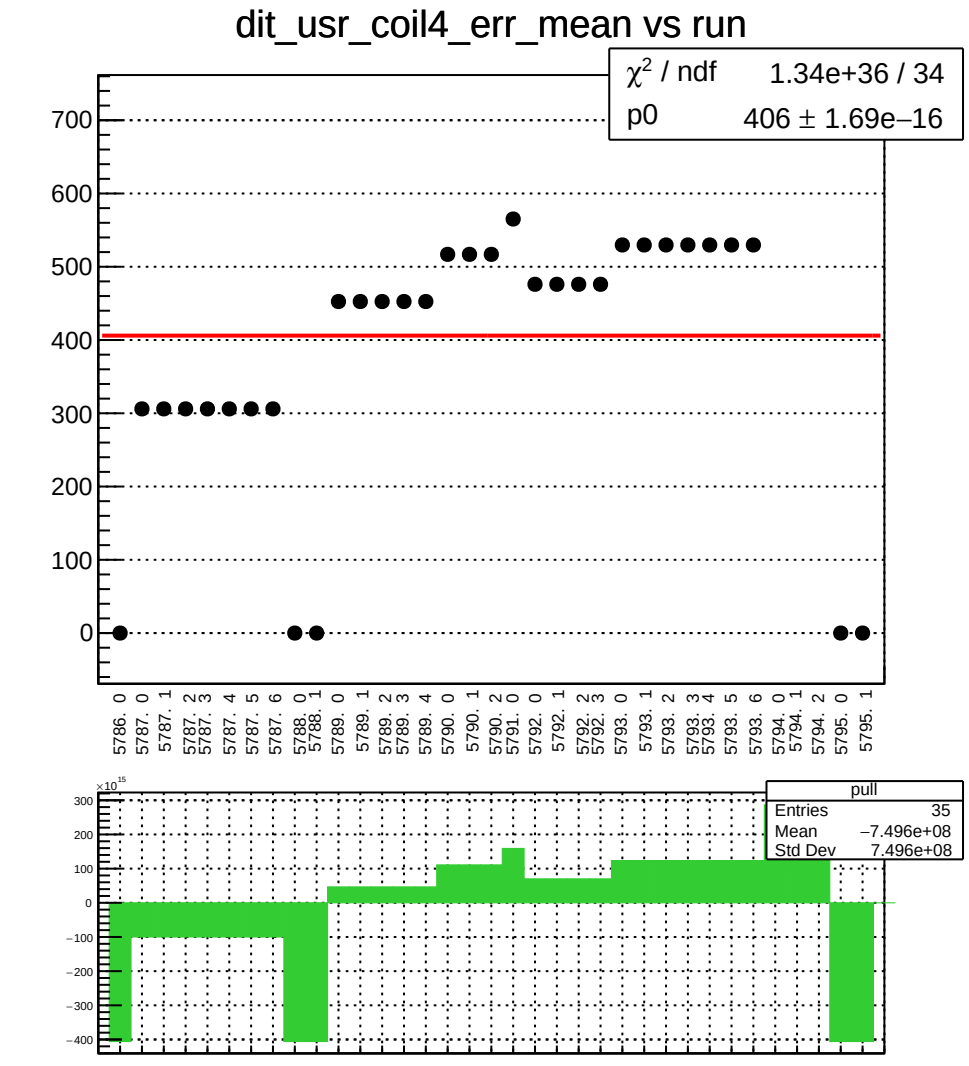

dit_usl_coil4_err_mean vs run
χ² / ndf 1.073e+36 / 34
p0 292.8 ± 1.69e−16
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
300
200
100
0
−100
−200
−300
pull
Entries 35
Mean −8.468e+08
Std Dev 8.468e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

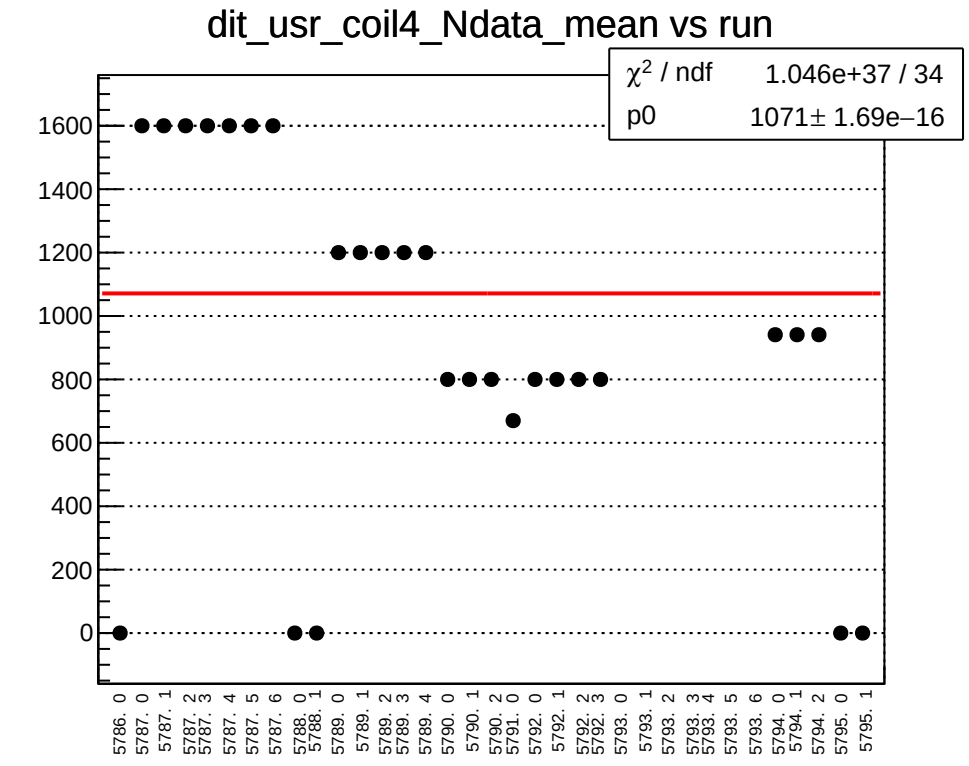

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

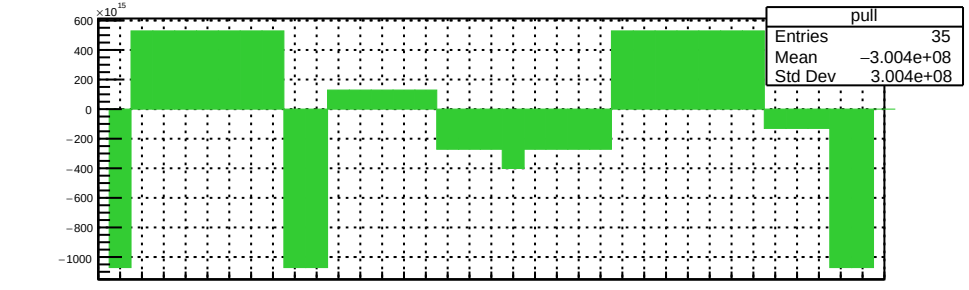

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

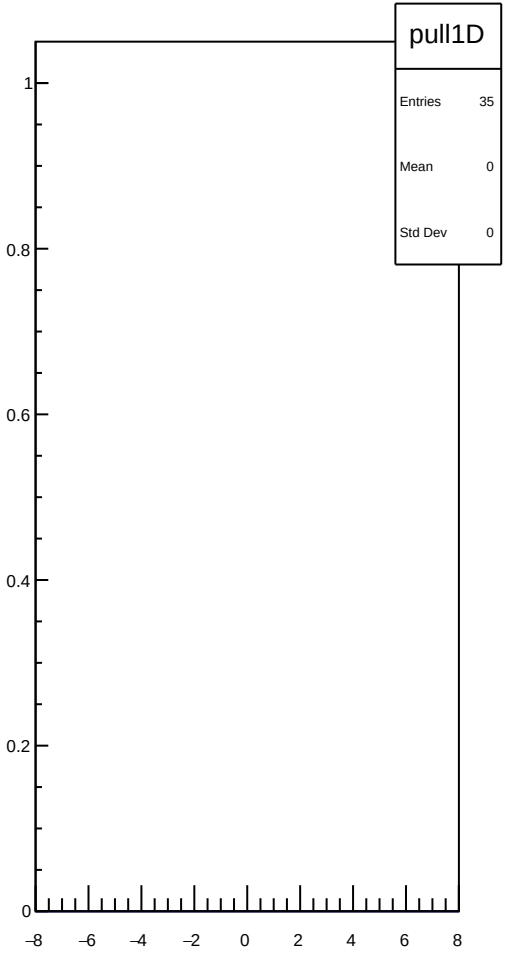

dit_usr_coil4_mean vs run
χ² / ndf 1.027e+38 / 34
p0 4182 ± 1.69e−16
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean 0
Std Dev 0

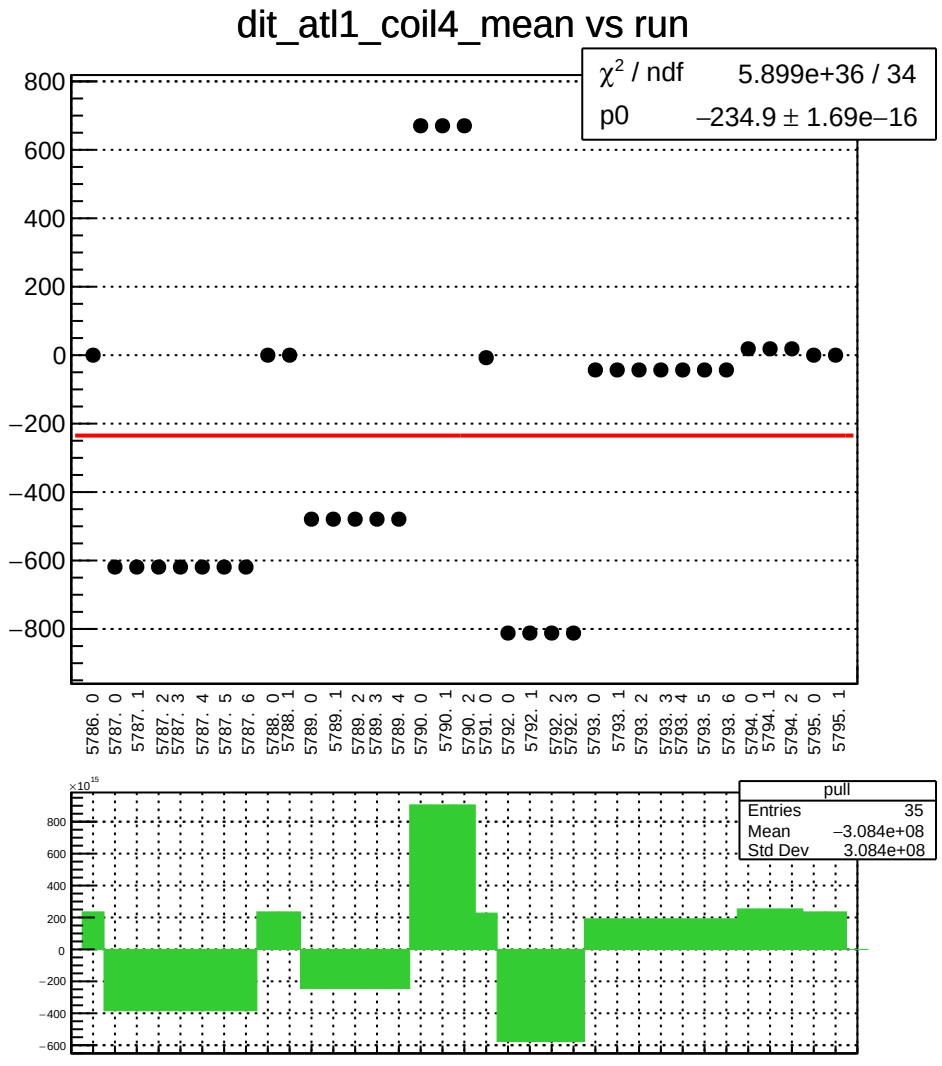

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

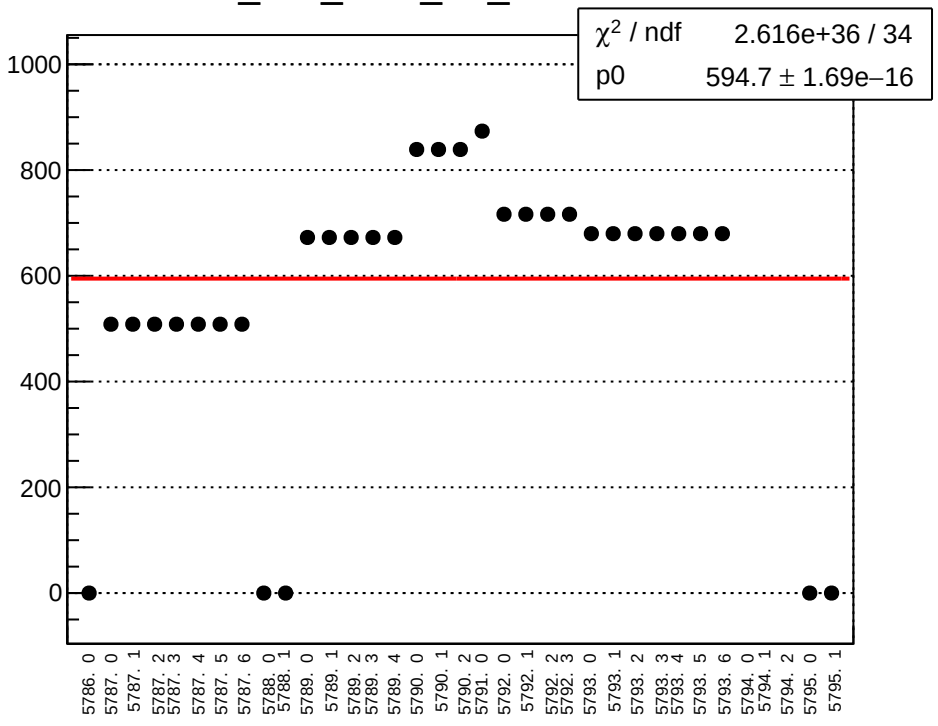

dit_usr_coil4_err_mean vs run
χ² / ndf 1.34e+36 / 34
p0 406 ± 1.69e−16
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull
Entries 35
Mean −7.496e+08
Std Dev 7.496e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

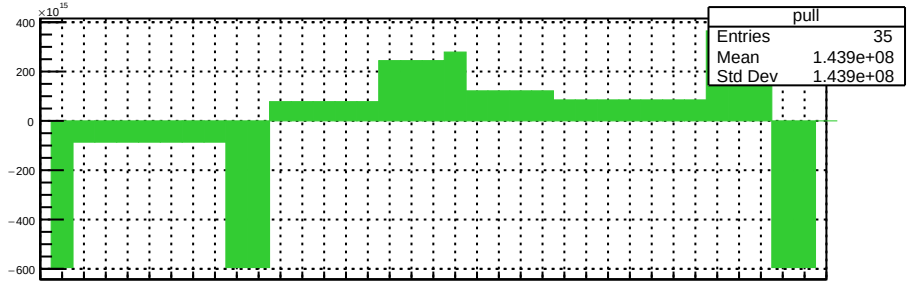

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

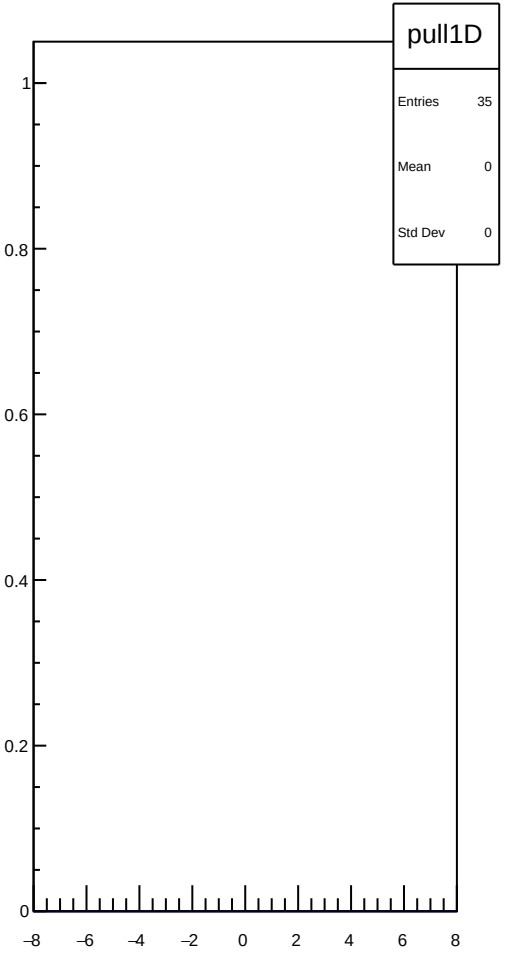

×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

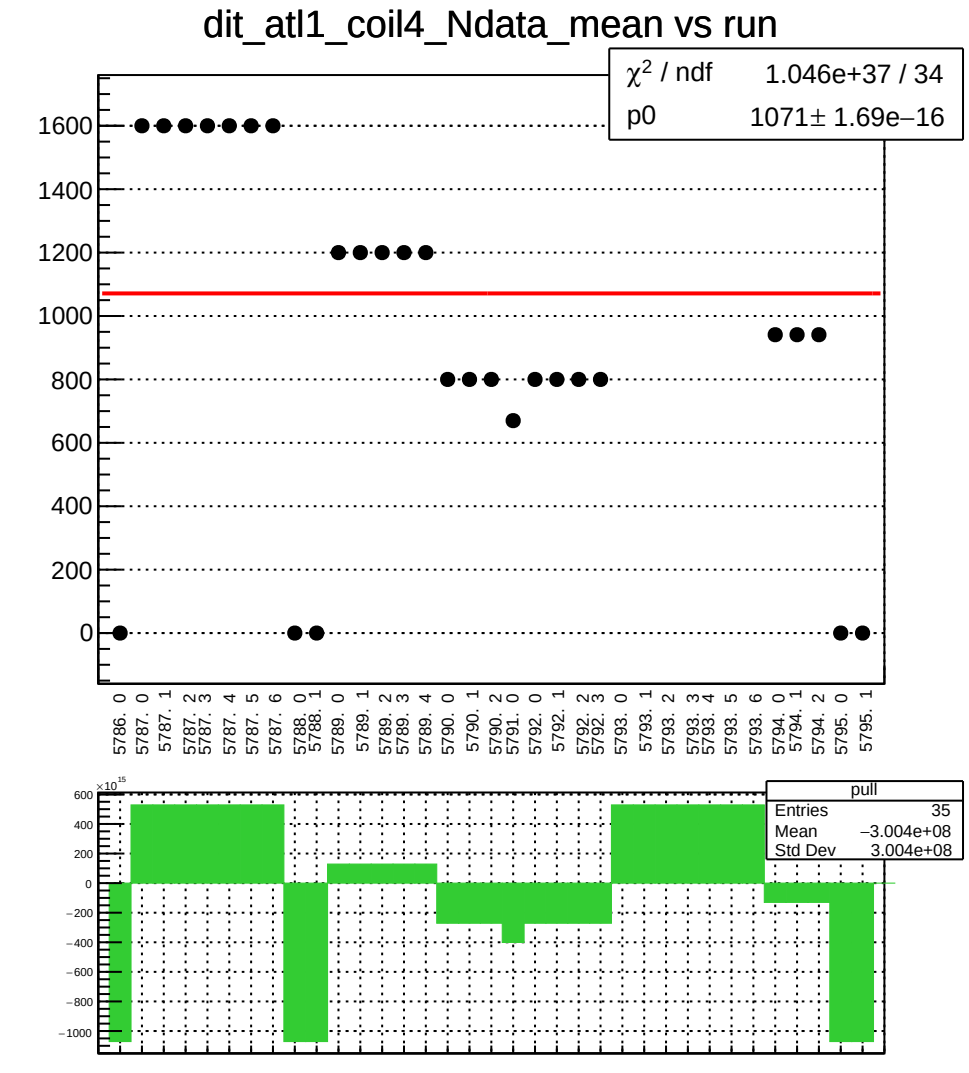

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

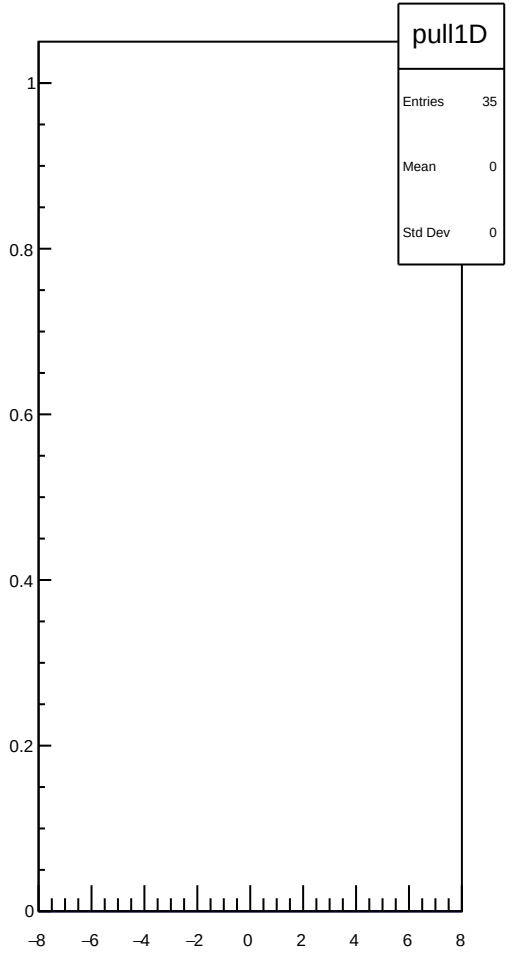

dit_atl1_coil4_mean vs run
χ² / ndf 5.899e+36 / 34
p0 –234.9 ± 1.69e–16
800
600
400
200
0
–200
–400
–600
–800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
–200
–400
–600
pull
Entries 35
Mean –3.084e+08
Std Dev 3.084e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

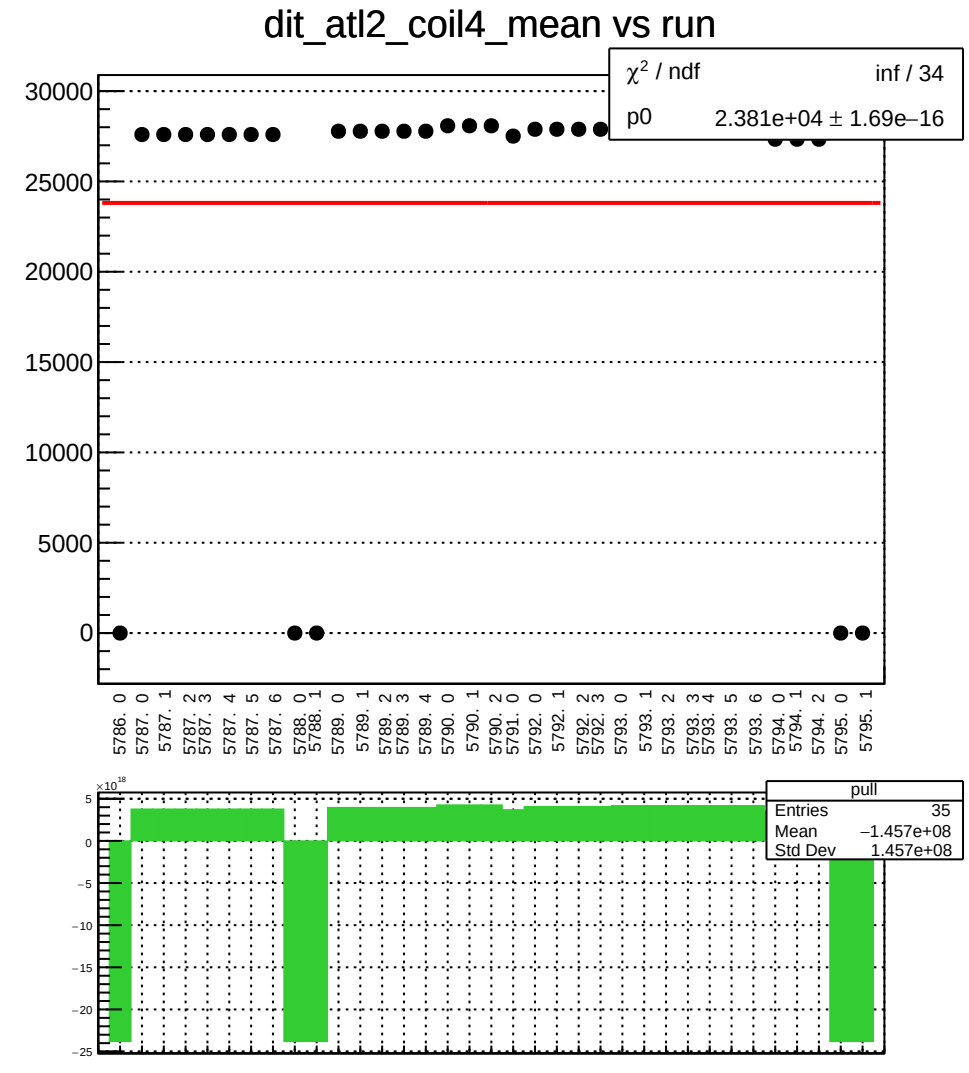

dit_atl1_coil4_err_mean vs run
χ² / ndf 2.616e+36 / 34
p0 594.7 ± 1.69e−16
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

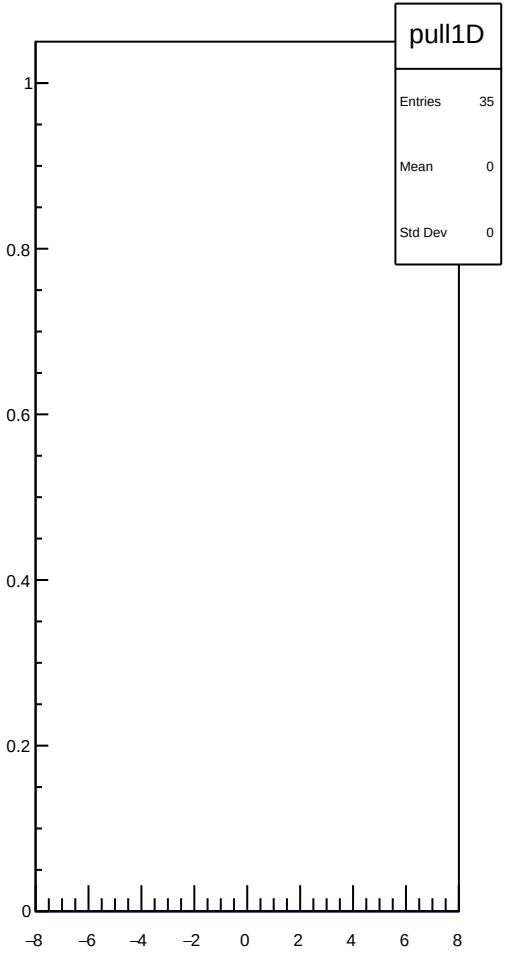

×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 35
Mean 1.439e+08
Std Dev 1.439e+08

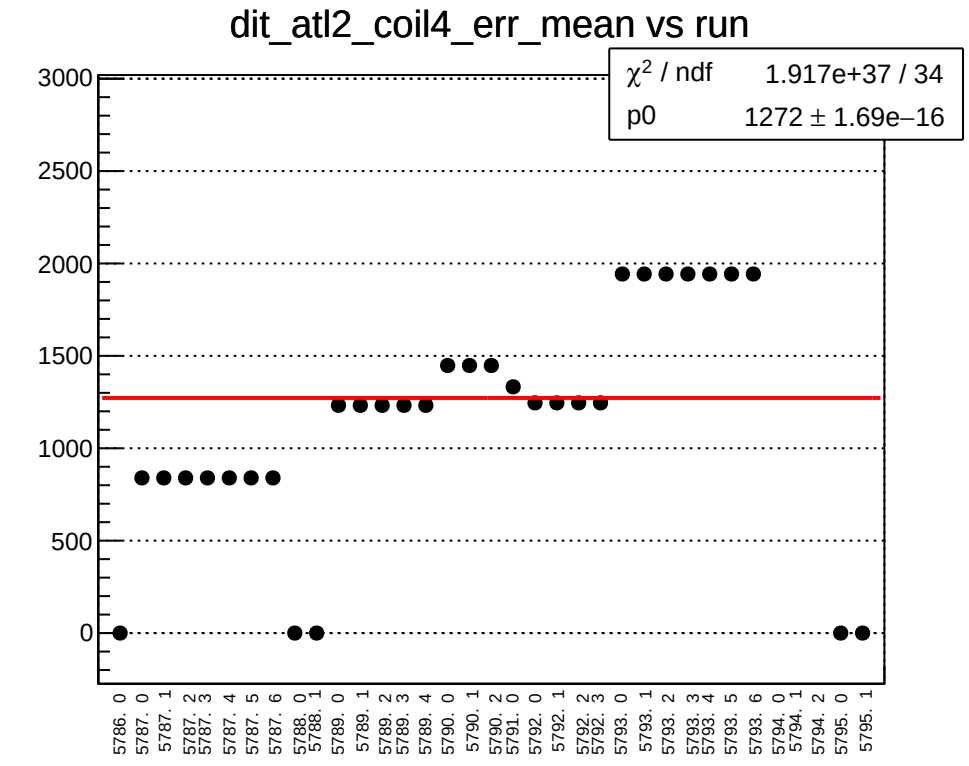

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

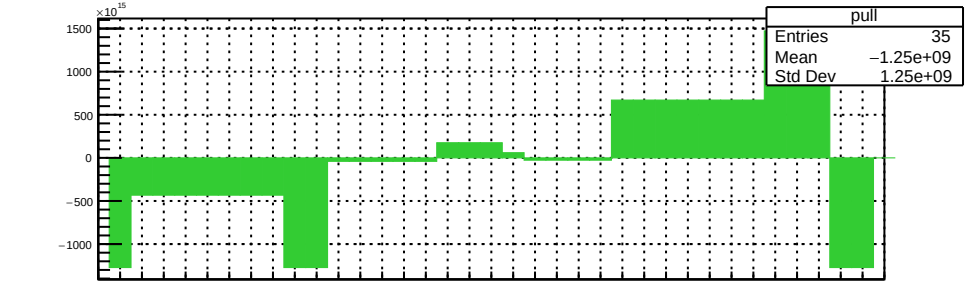

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

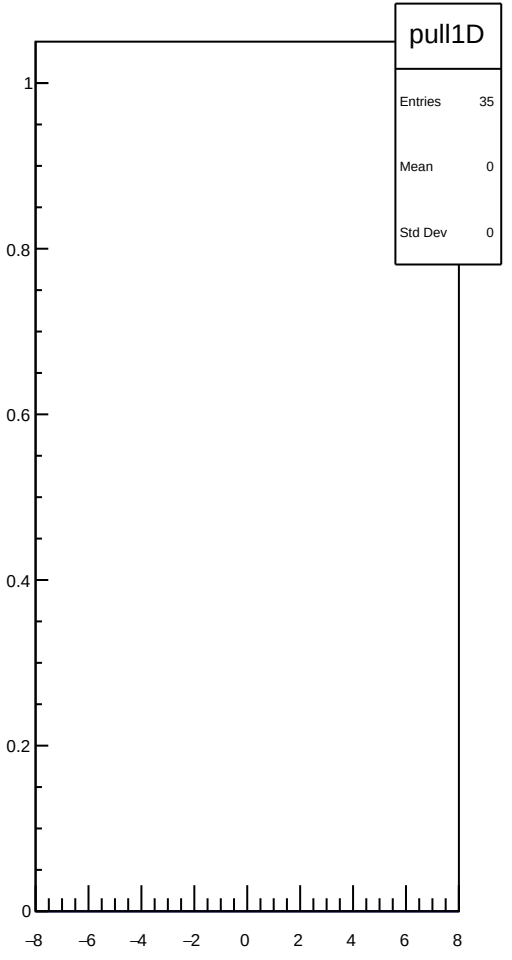

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

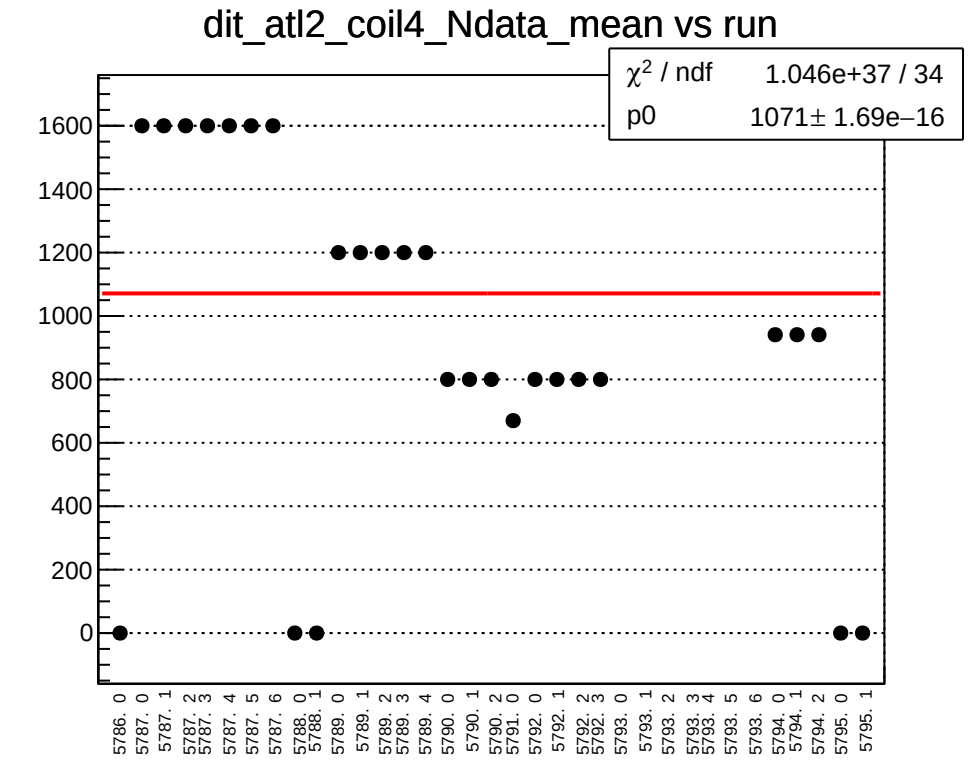

dit_atl2_coil4_mean vs run
χ² / ndf inf / 34
p0 2.381e+04 ± 1.69e−16
30000
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 35
Mean −1.457e+08
Std Dev 1.457e+08

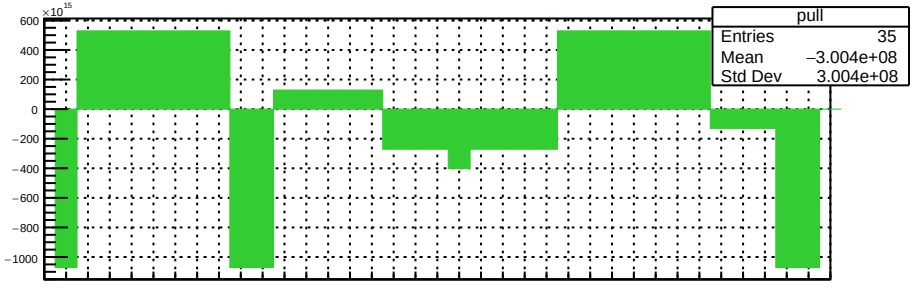

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

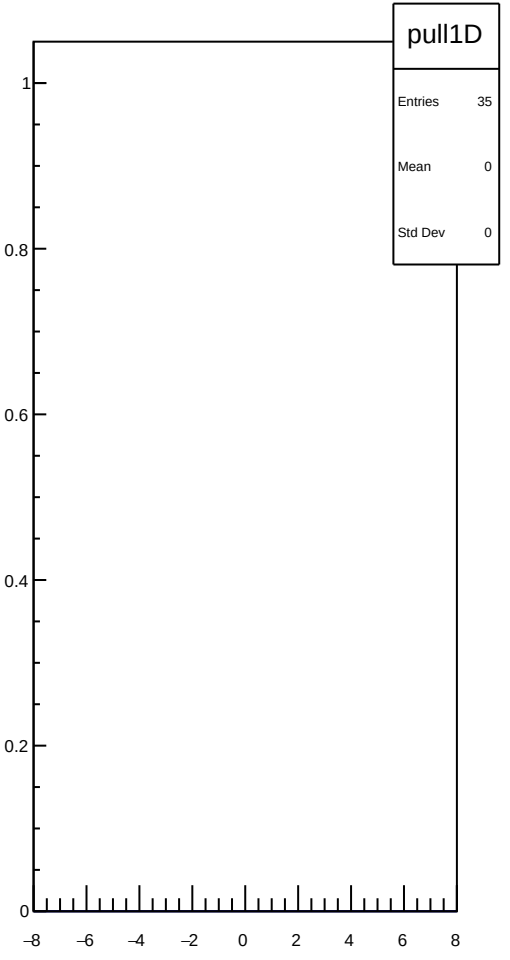

dit_atl2_coil4_err_mean vs run
χ² / ndf 1.917e+37 / 34
p0 1272 ± 1.69e−16
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

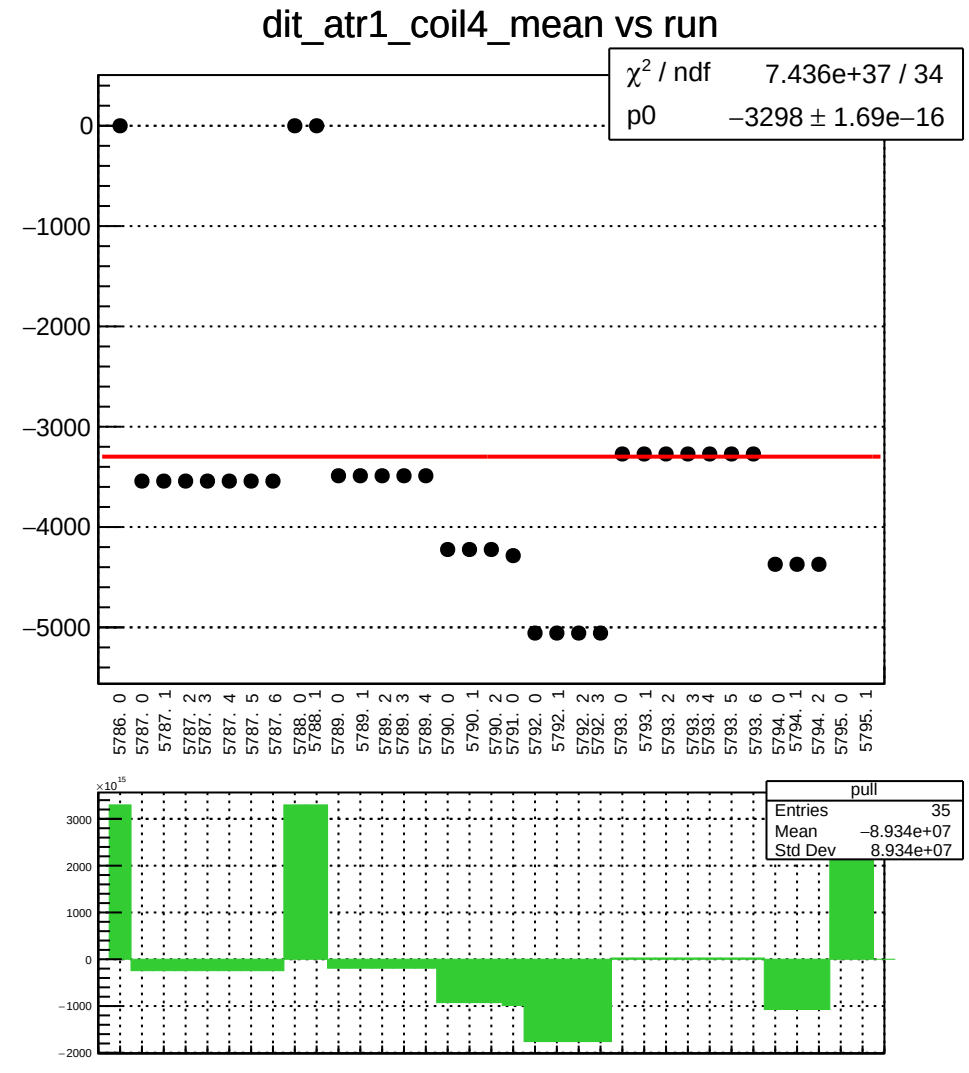

×10¹⁵
1500
1000
500
0
−500
−1000
pull
Entries 35
Mean −1.25e+09
Std Dev 1.25e+09

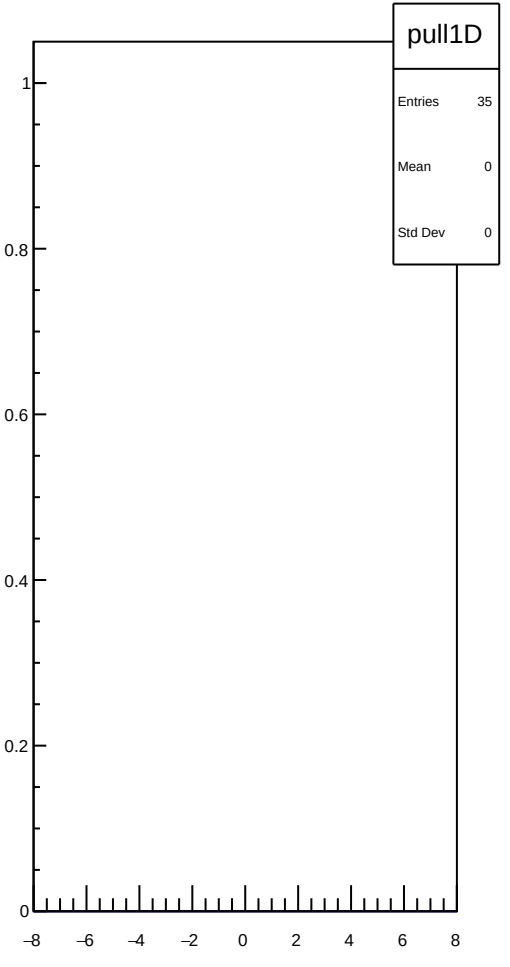

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

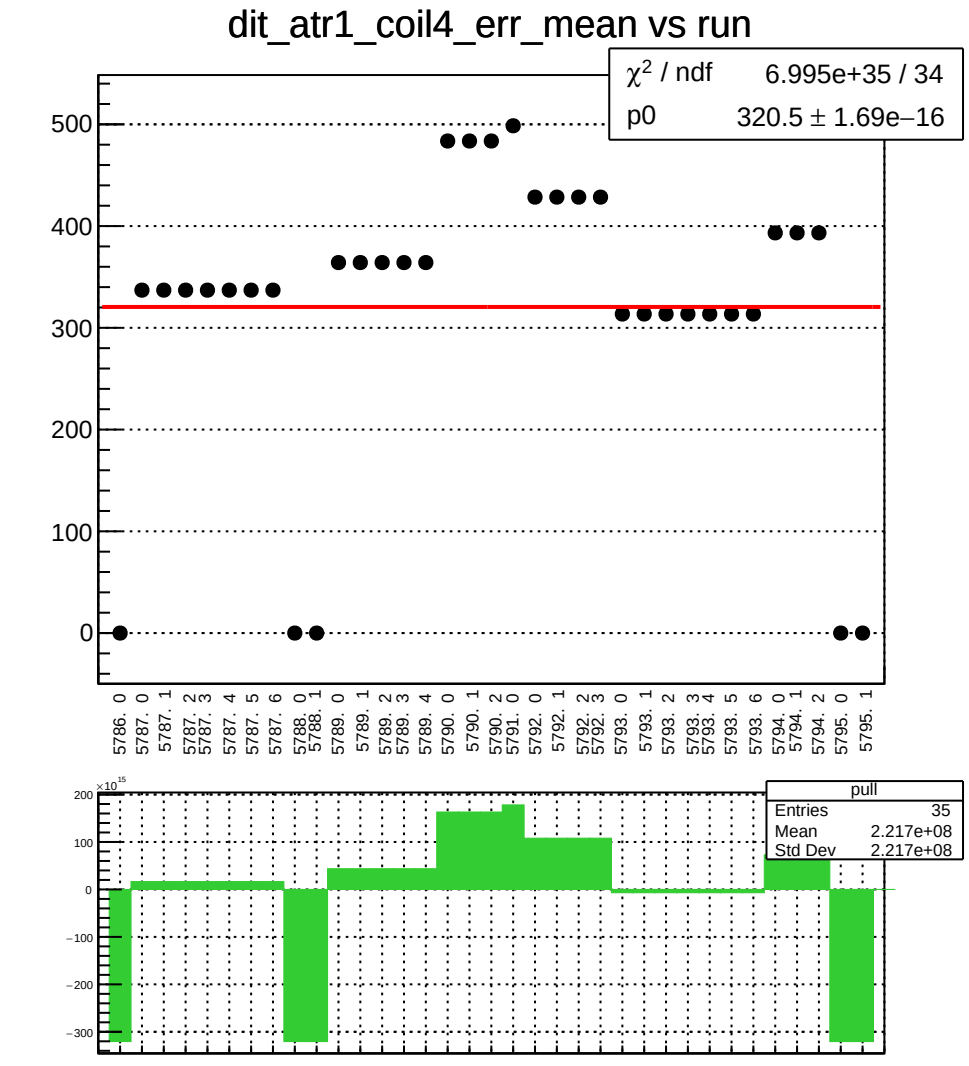

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

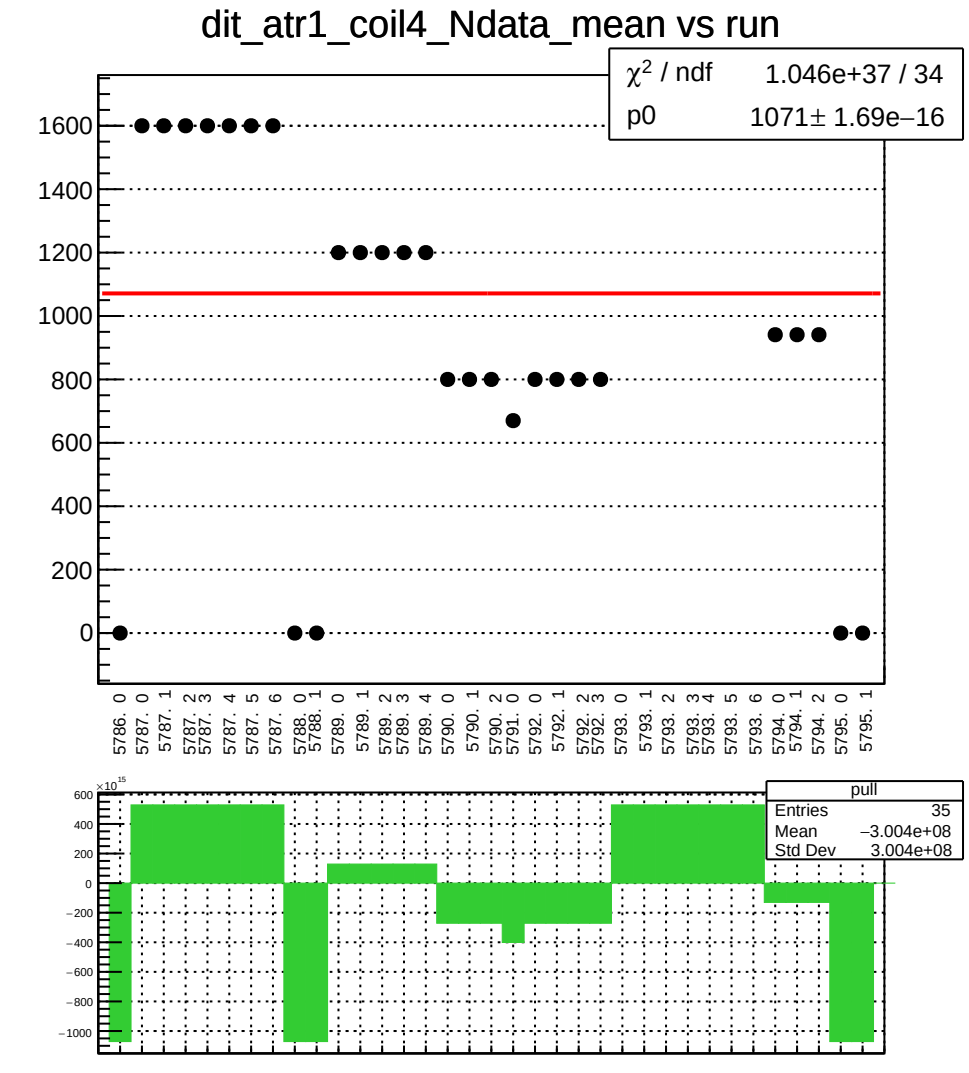

×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

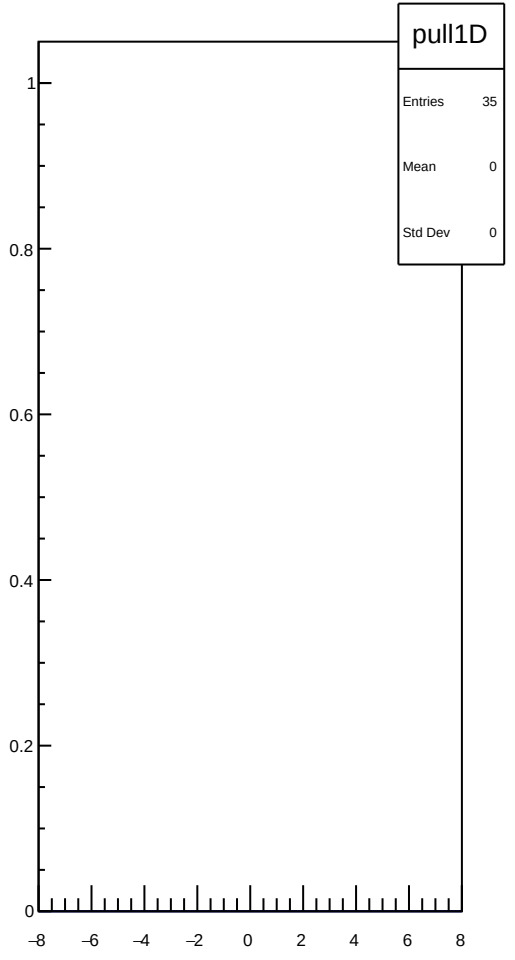

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

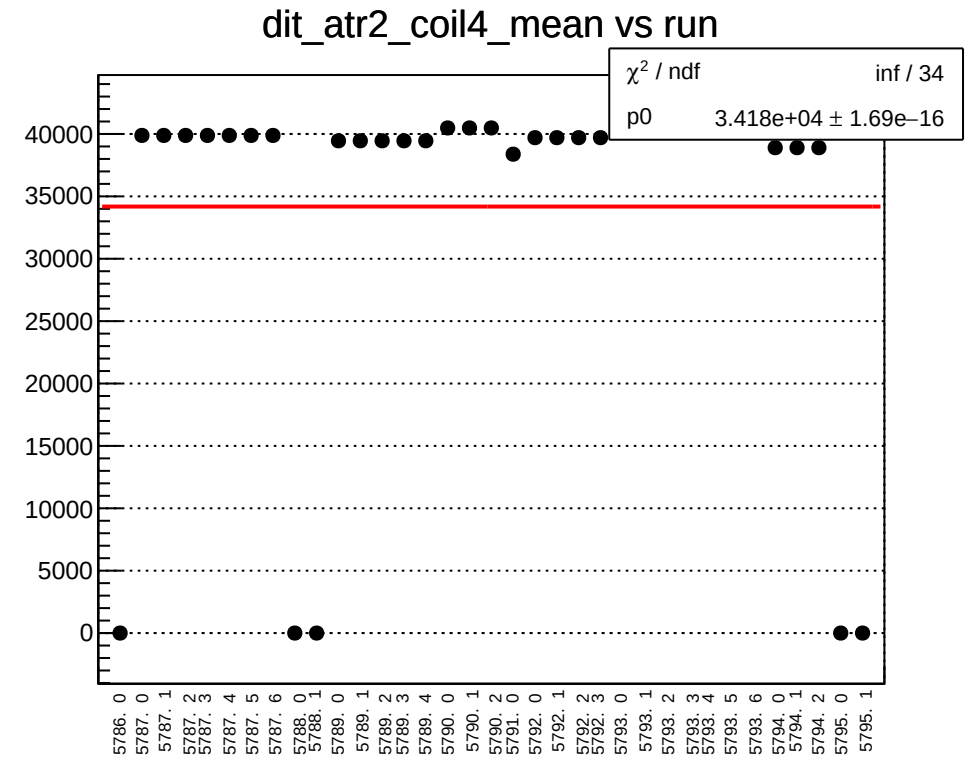

dit_atr1_coil4_mean vs run
χ² / ndf 7.436e+37 / 34
p0 −3298 ± 1.69e−16
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
3000
2000
1000
0
−1000
−2000
pull
Entries 35
Mean −8.934e+07
Std Dev 8.934e+07

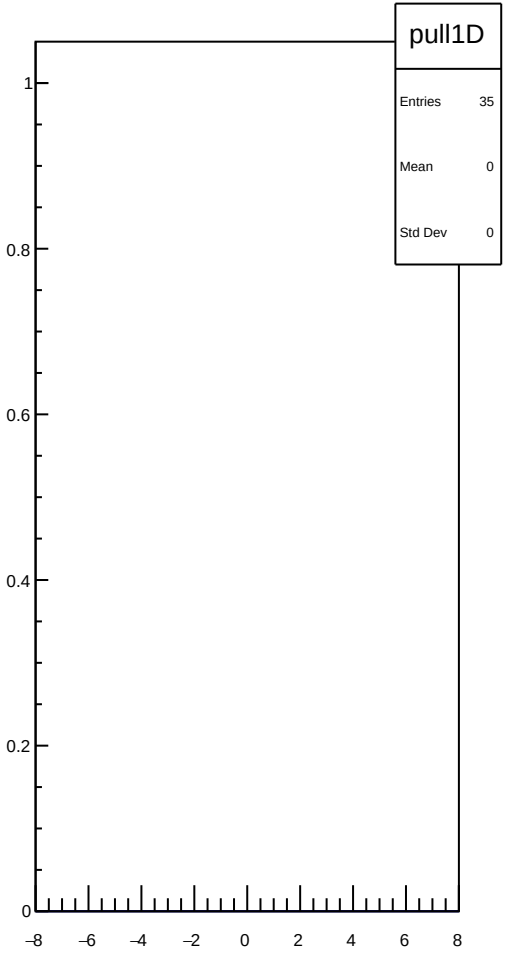

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

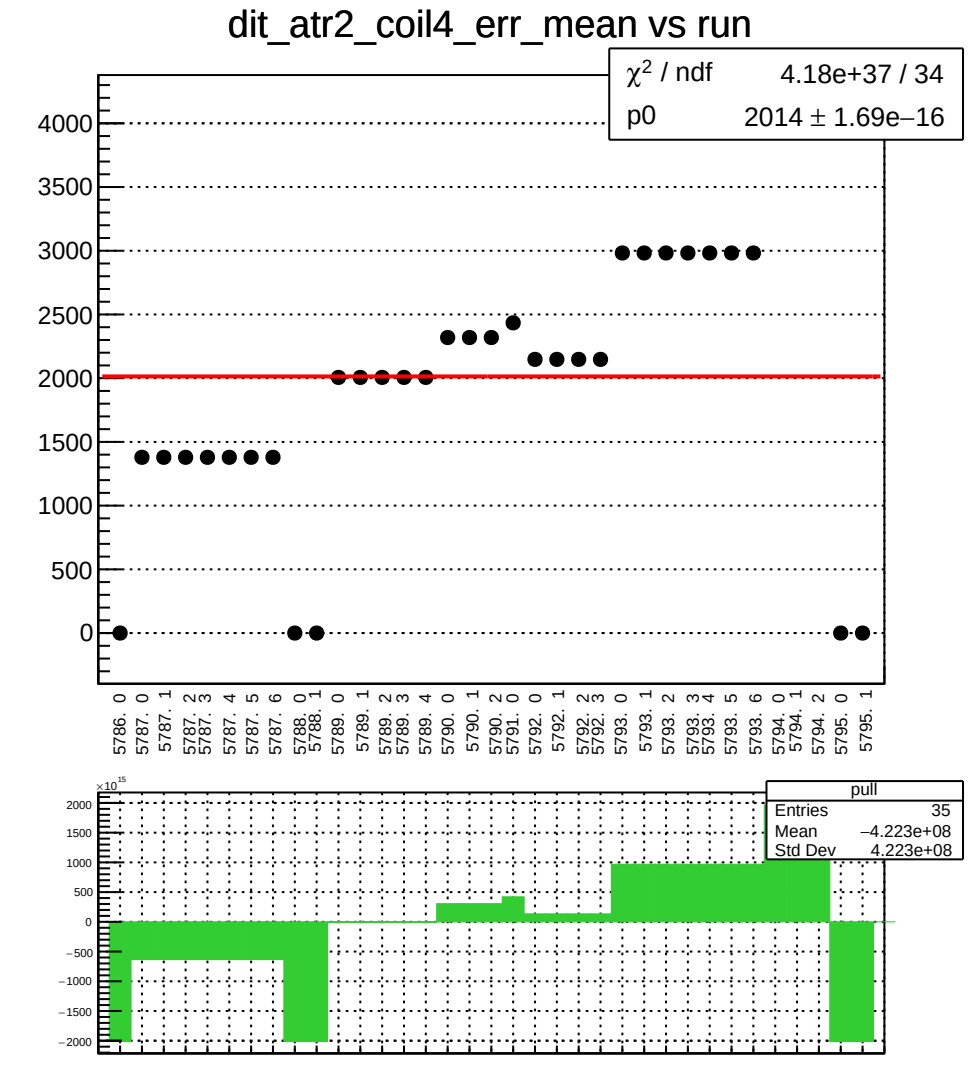

dit_atr1_coil4_err_mean vs run
χ² / ndf 6.995e+35 / 34
p0 320.5 ± 1.69e−16
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
pull
Entries 35
Mean 2.217e+08
Std Dev 2.217e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

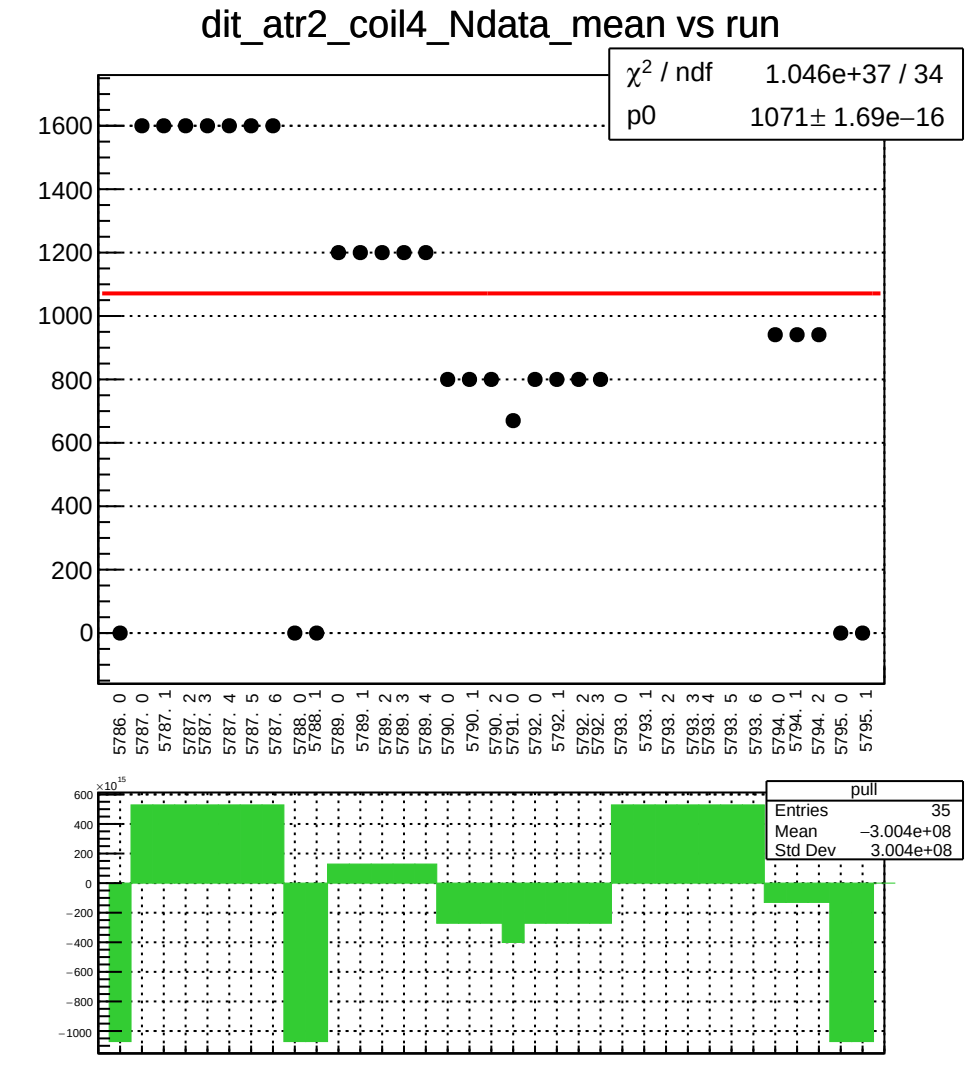

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

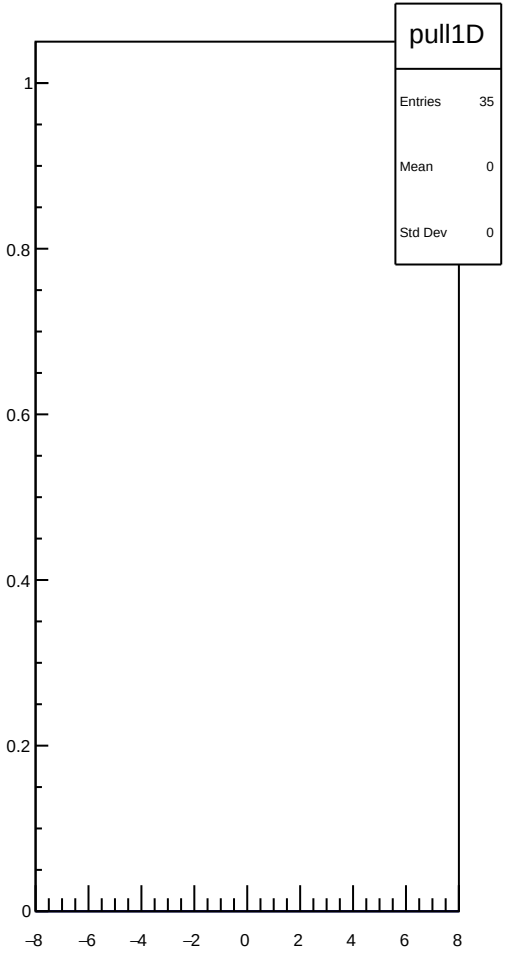

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

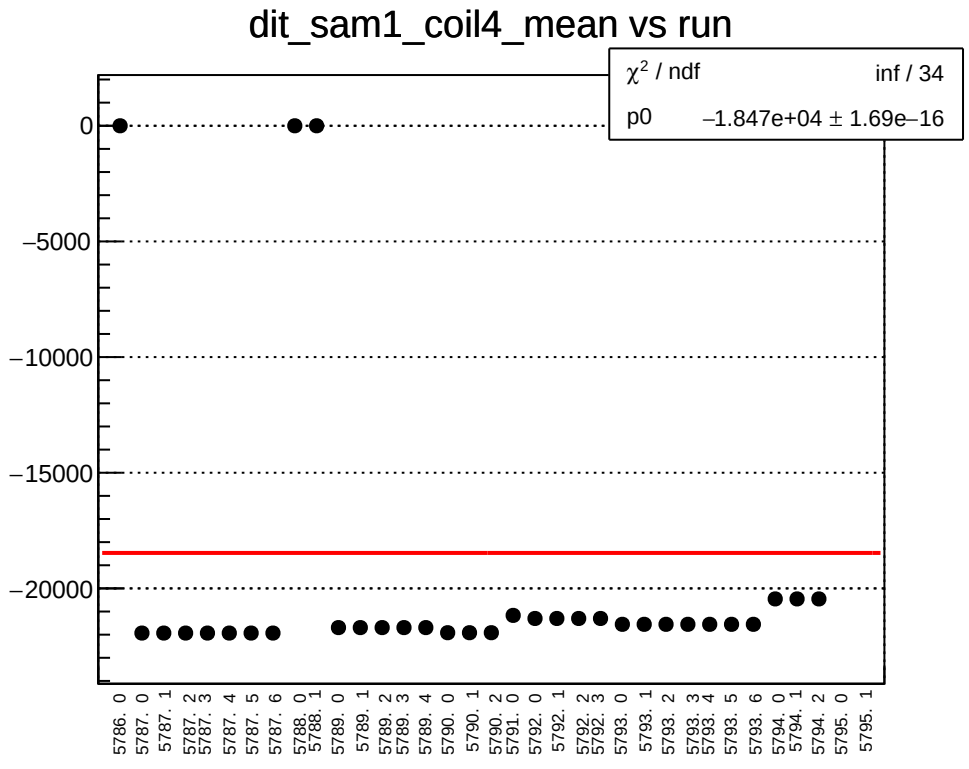

dit_atr2_coil4_mean vs run
χ² / ndf inf / 34
p0 3.418e+04 ± 1.69e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 35
Mean −3.167e+07
Std Dev 3.167e+07

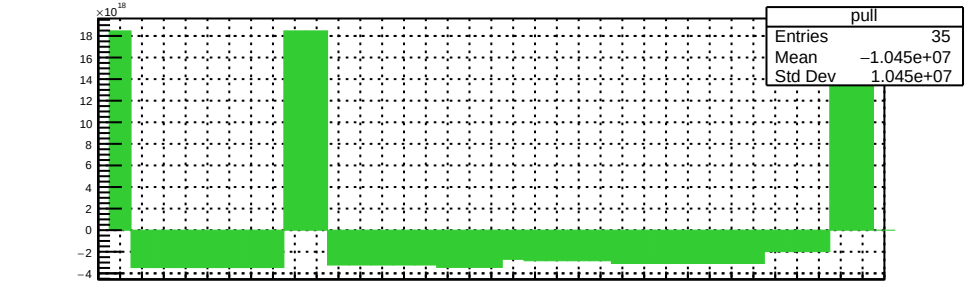

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

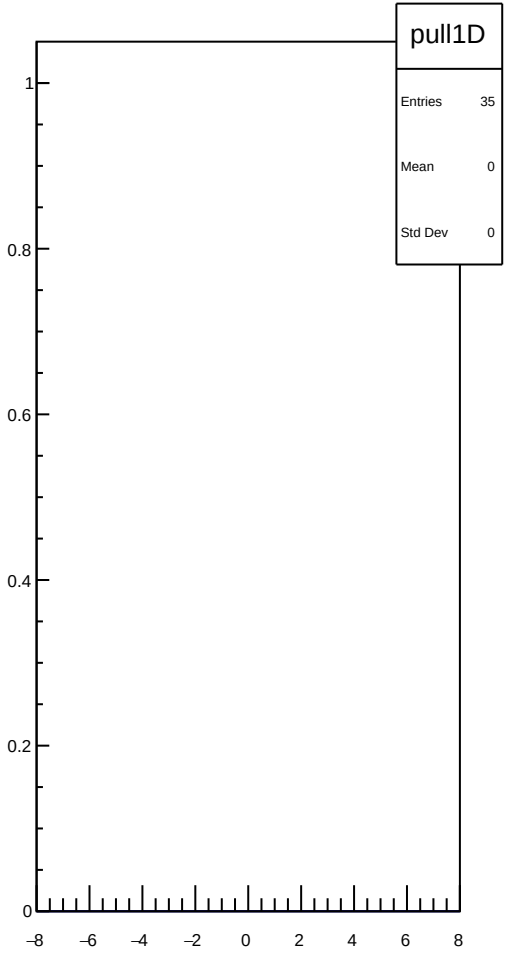

dit_atr2_coil4_err_mean vs run
χ² / ndf 4.18e+37 / 34
p0 2014 ± 1.69e−16
4000
3500
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 35
Mean −4.223e+08
Std Dev 4.223e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

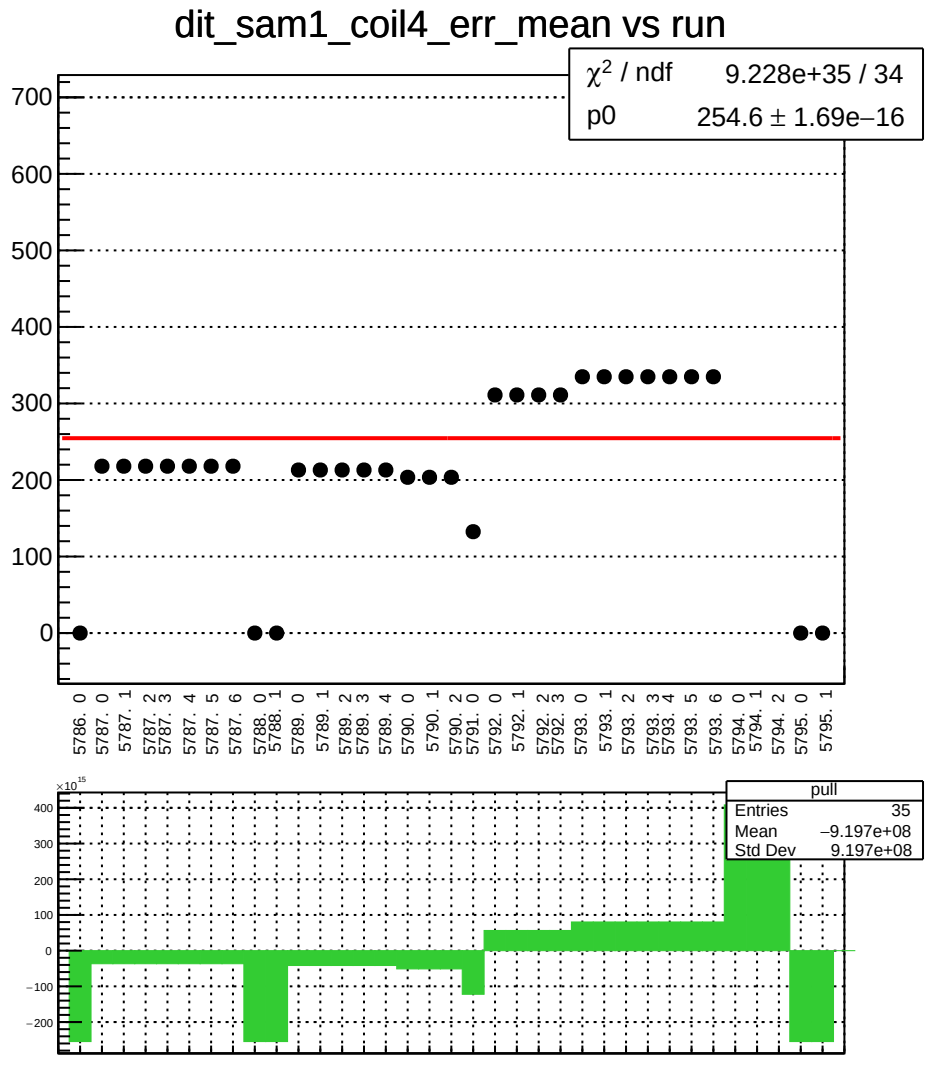

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

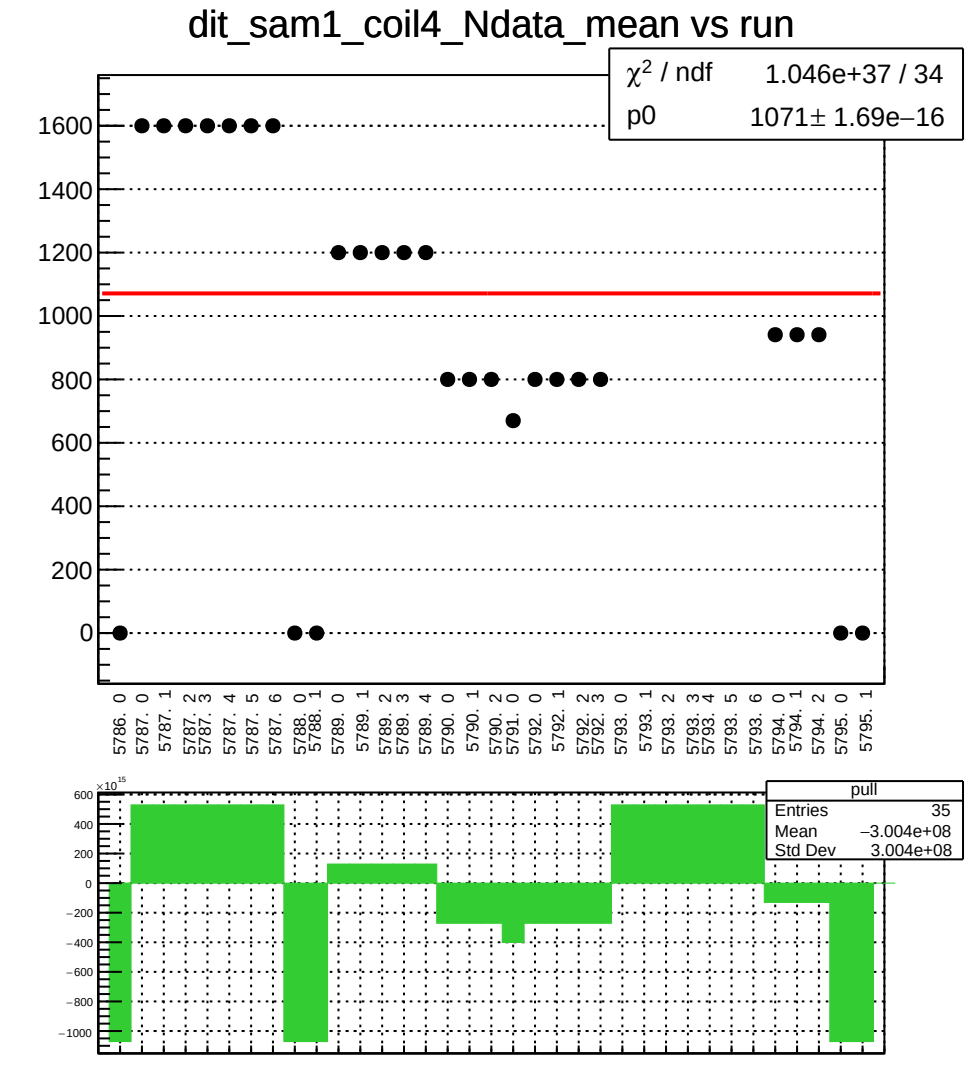

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

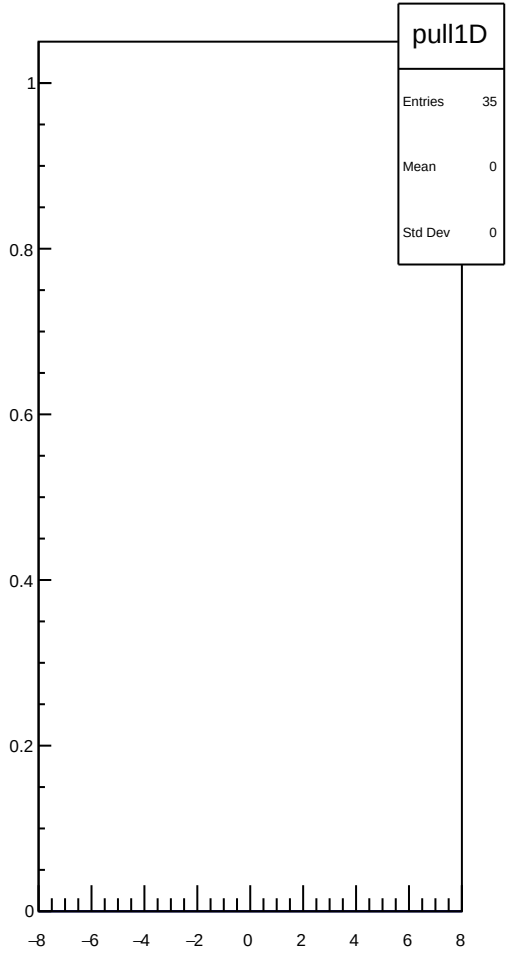

dit_sam1_coil4_mean vs run
χ² / ndf inf / 34
p0 −1.847e+04 ± 1.69e−16
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

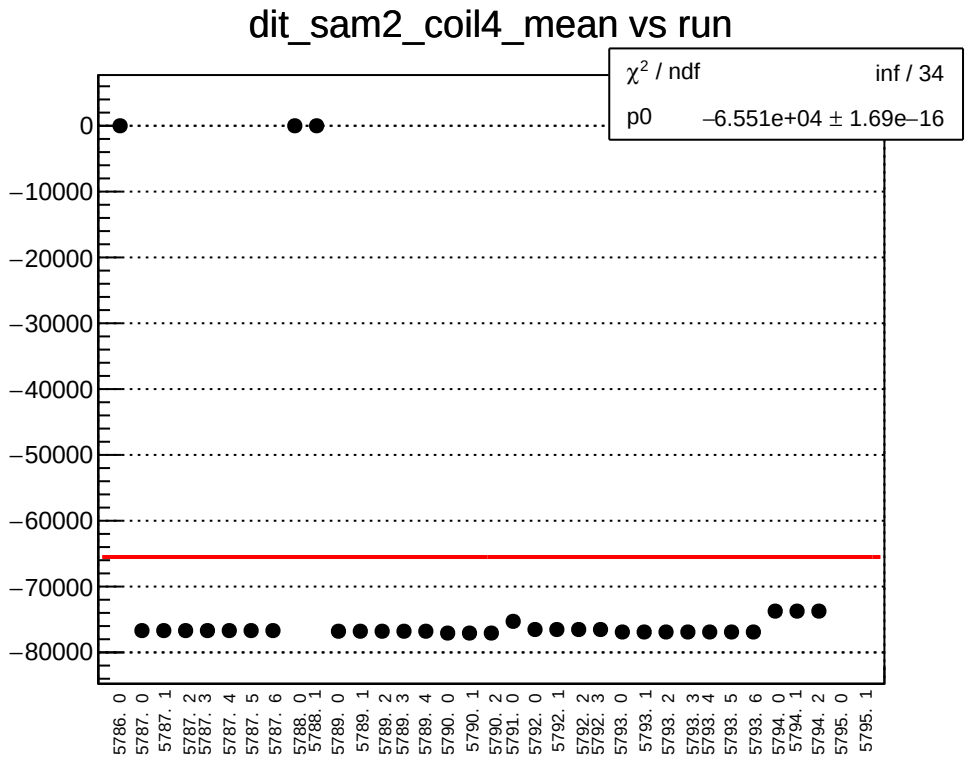

×10¹⁸
18
16
14
12
10
8
6
4
2
0
−2
−4
pull
Entries 35
Mean −1.045e+07
Std Dev 1.045e+07

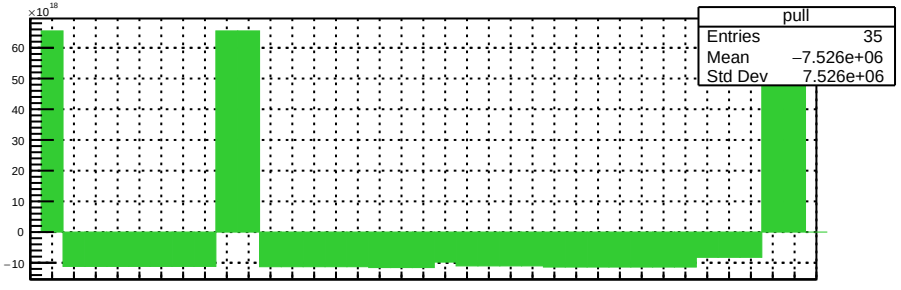

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

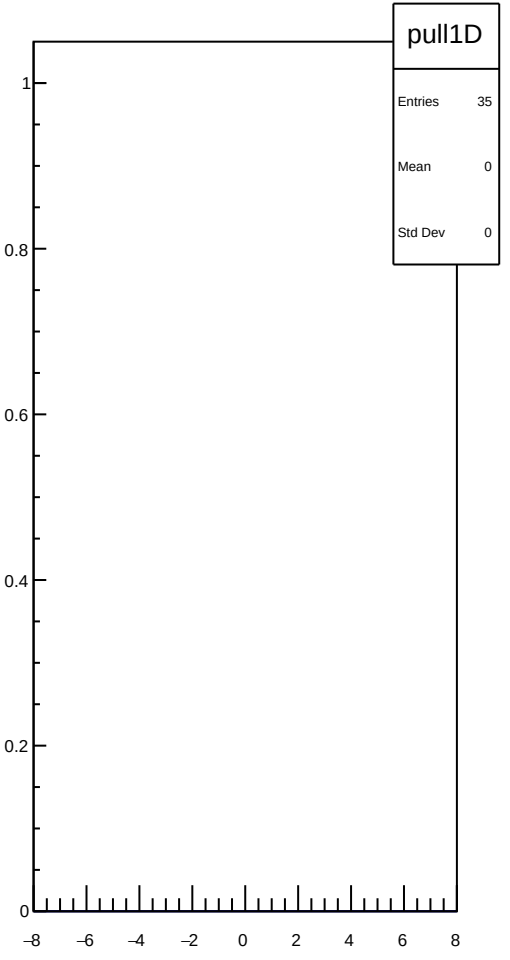

dit_sam1_coil4_err_mean vs run
χ² / ndf 9.228e+35 / 34
p0 254.6 ± 1.69e−16
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
300
200
100
0
−100
−200
pull
Entries 35
Mean −9.197e+08
Std Dev 9.197e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

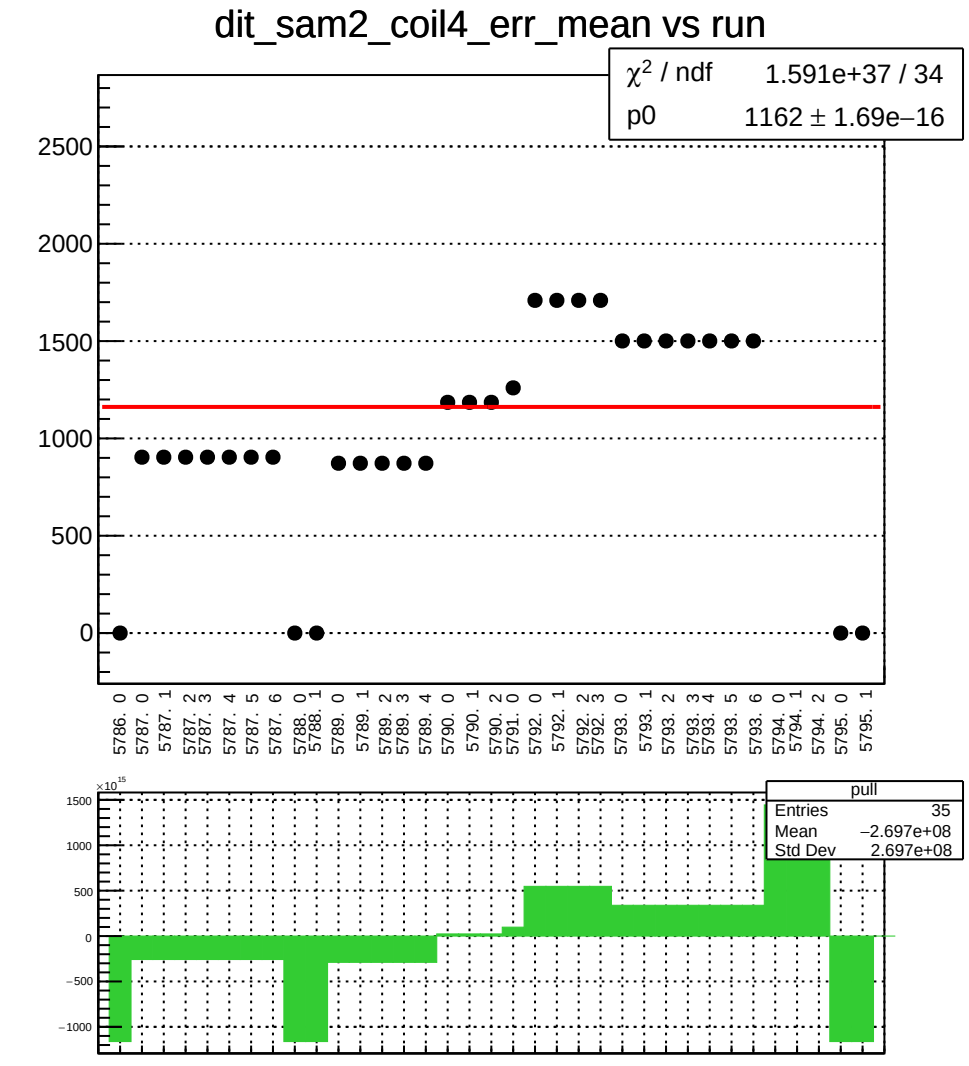

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

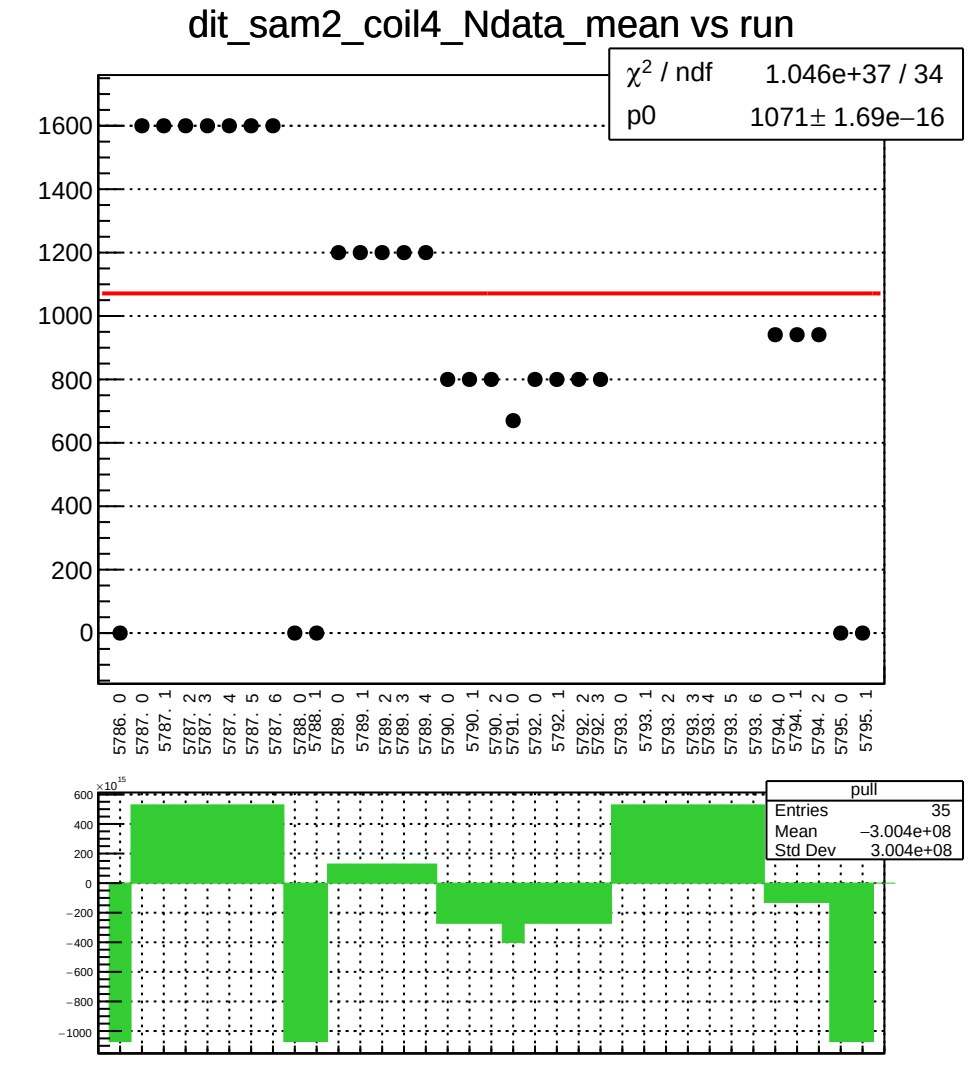

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

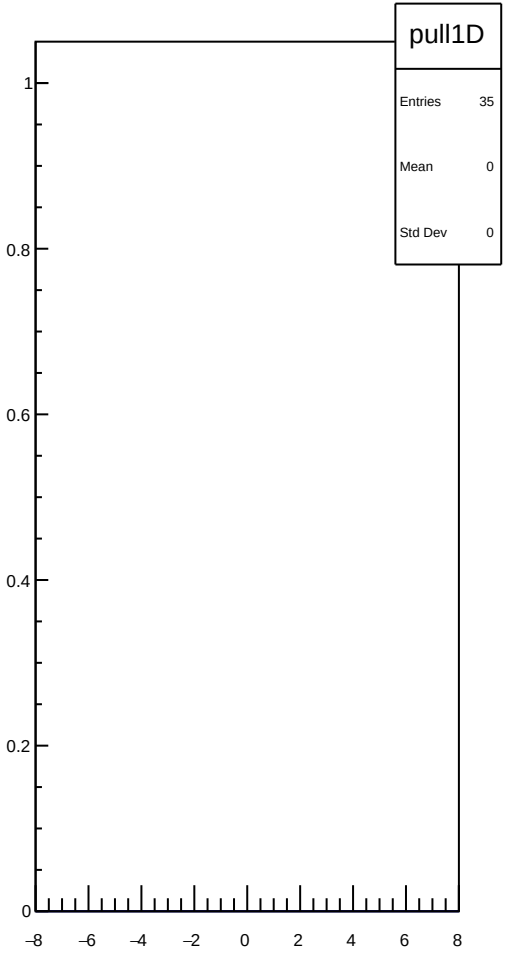

dit_sam2_coil4_mean vs run
χ² / ndf inf / 34
p0 −6.551e+04 ± 1.69e−16
0
−10000
−20000
−30000
−40000
−50000
−60000
−70000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

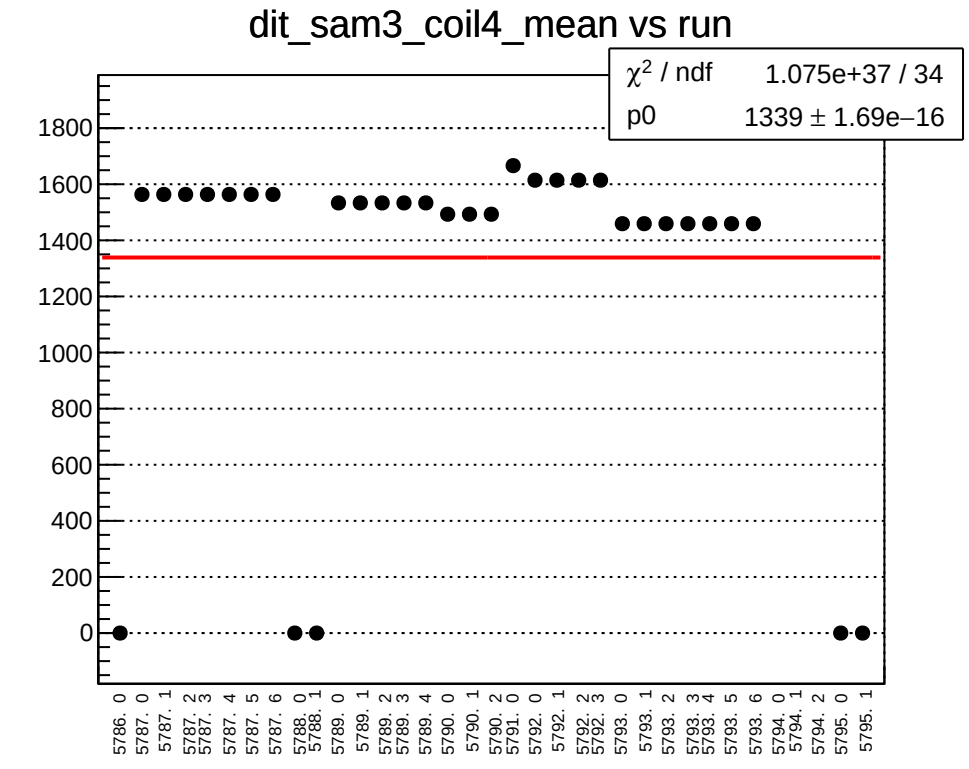

×10¹⁸
60
50
40
30
20
10
0
−10
pull
Entries 35
Mean −7.526e+06
Std Dev 7.526e+06

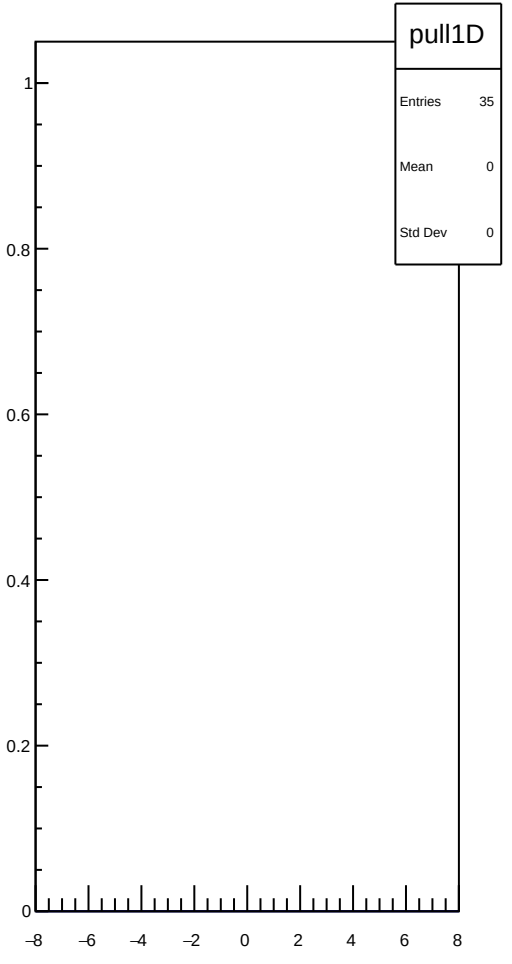

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

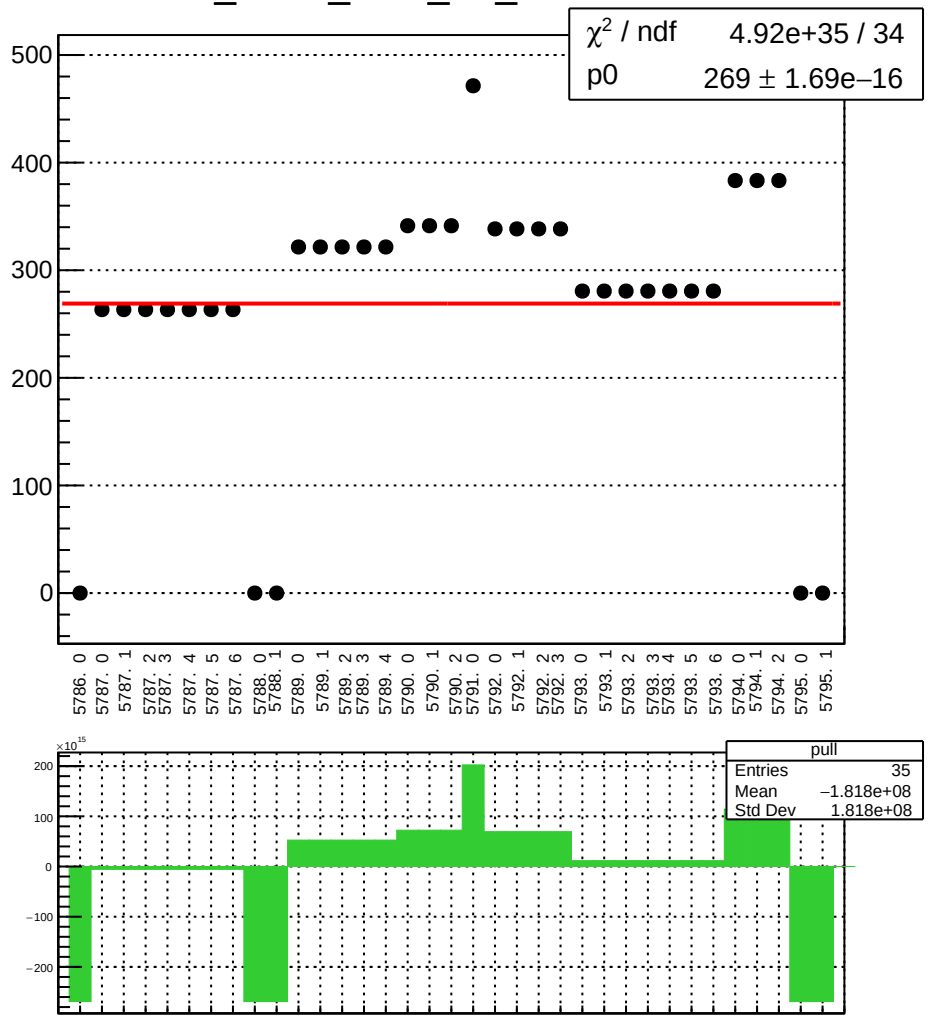

dit_sam2_coil4_err_mean vs run
χ² / ndf 1.591e+37 / 34
p0 1162 ± 1.69e−16
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1500
1000
500
0
−500
−1000
pull
Entries 35
Mean −2.697e+08
Std Dev 2.697e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

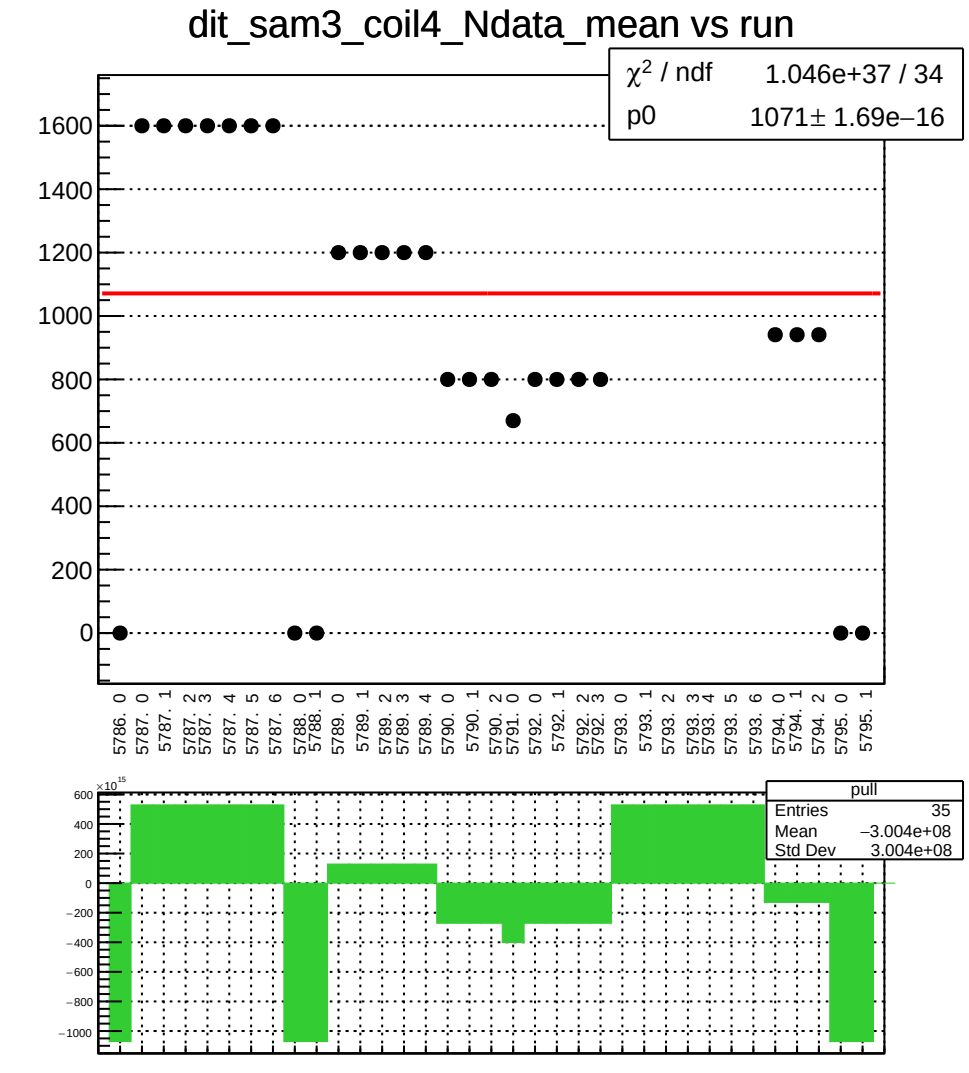

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

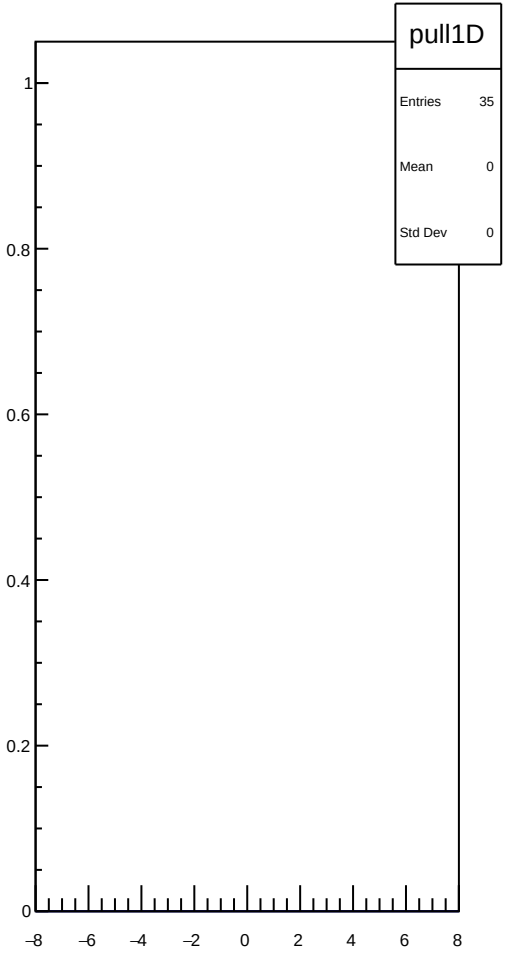

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

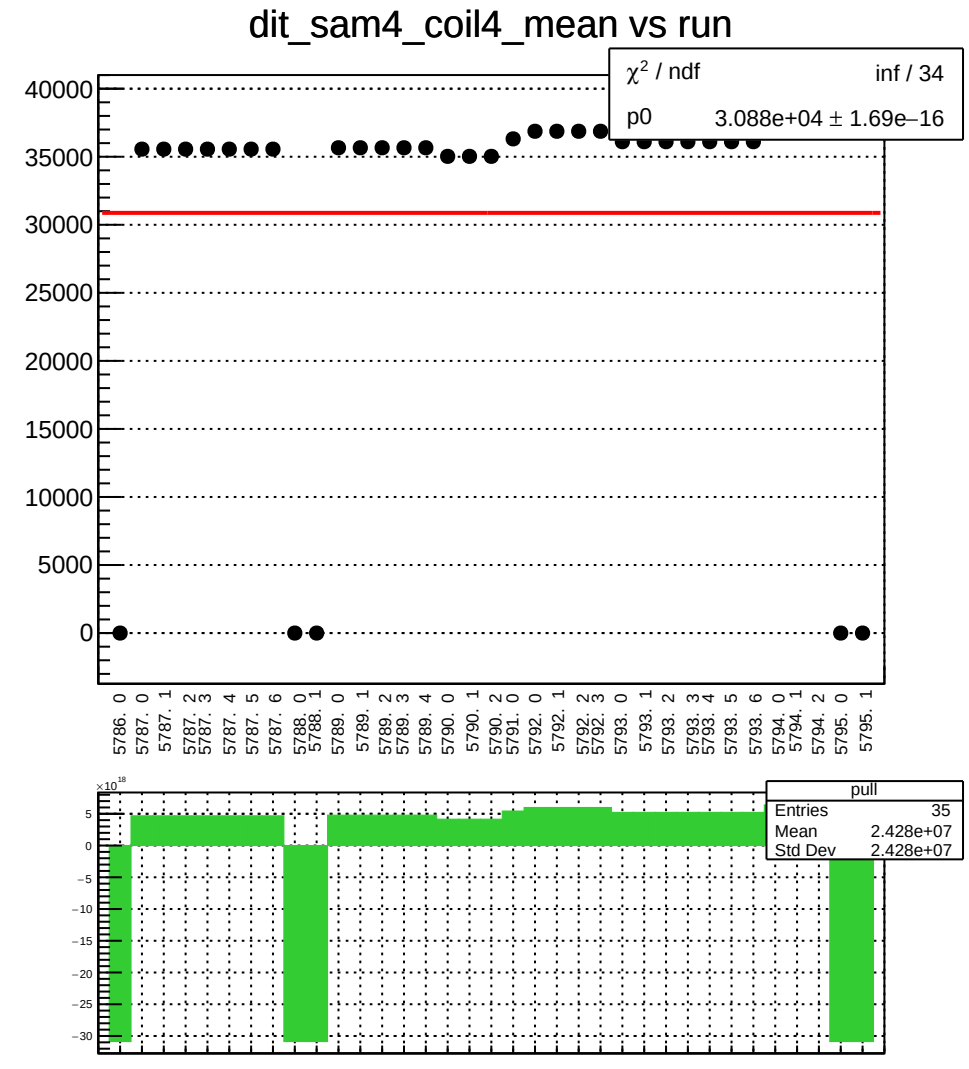

dit_sam3_coil4_mean vs run
χ² / ndf 1.075e+37 / 34
p0 1339 ± 1.69e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 35
Mean −5.475e+07
Std Dev 5.475e+07

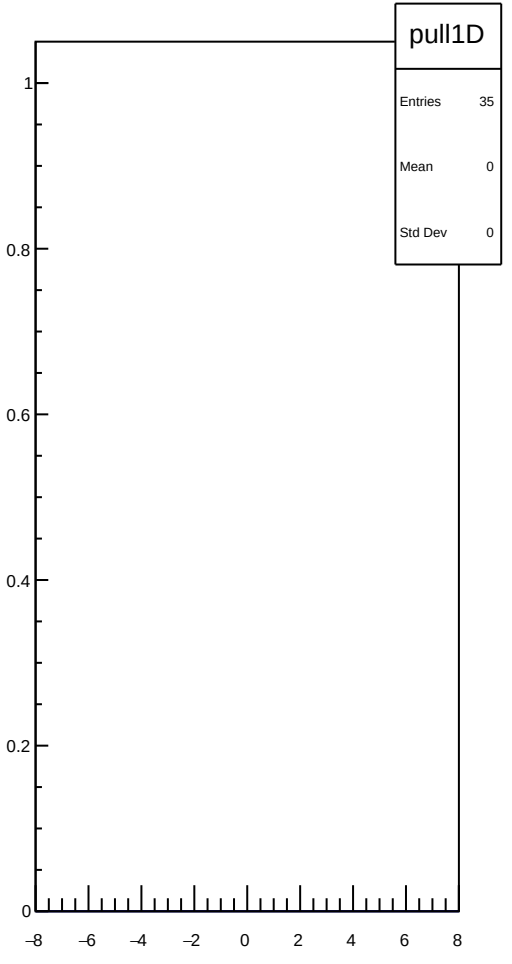

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

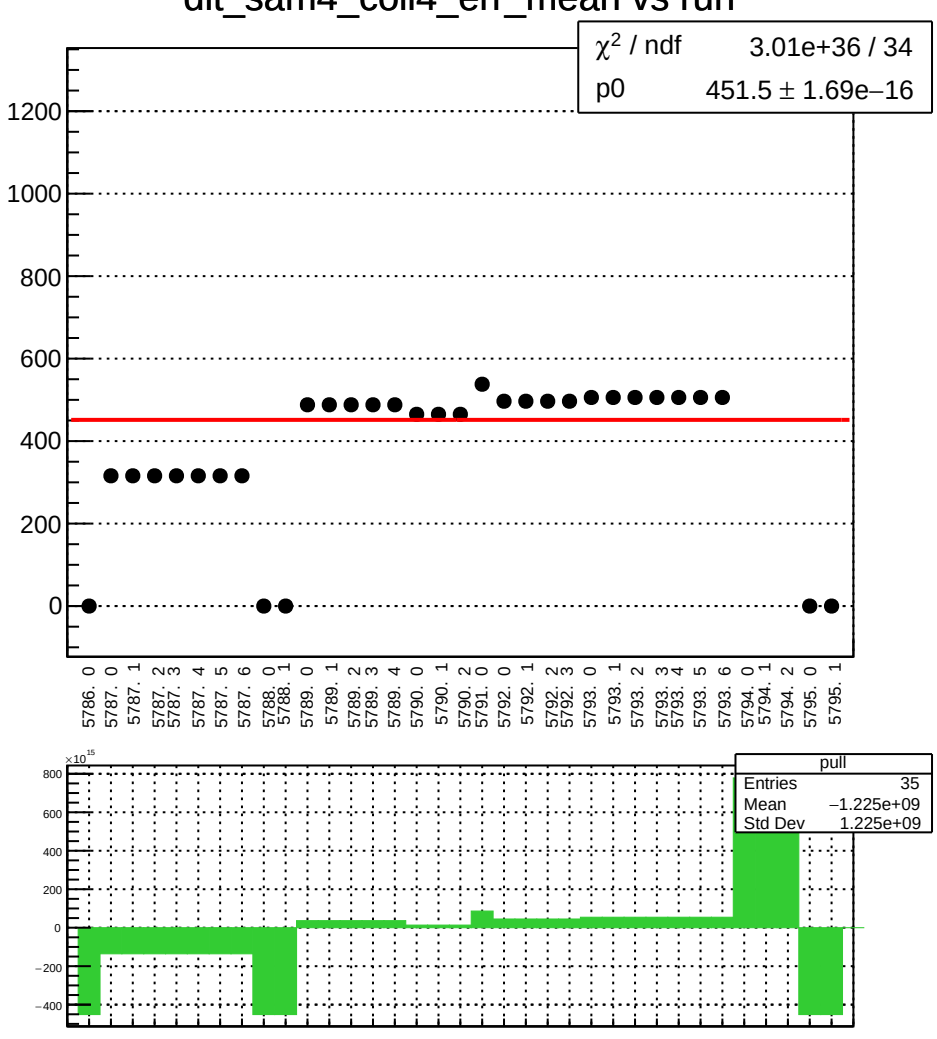

dit_sam3_coil4_err_mean vs run
χ² / ndf 4.92e+35 / 34
p0 269 ± 1.69e−16
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
pull
Entries 35
Mean −1.818e+08
Std Dev 1.818e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

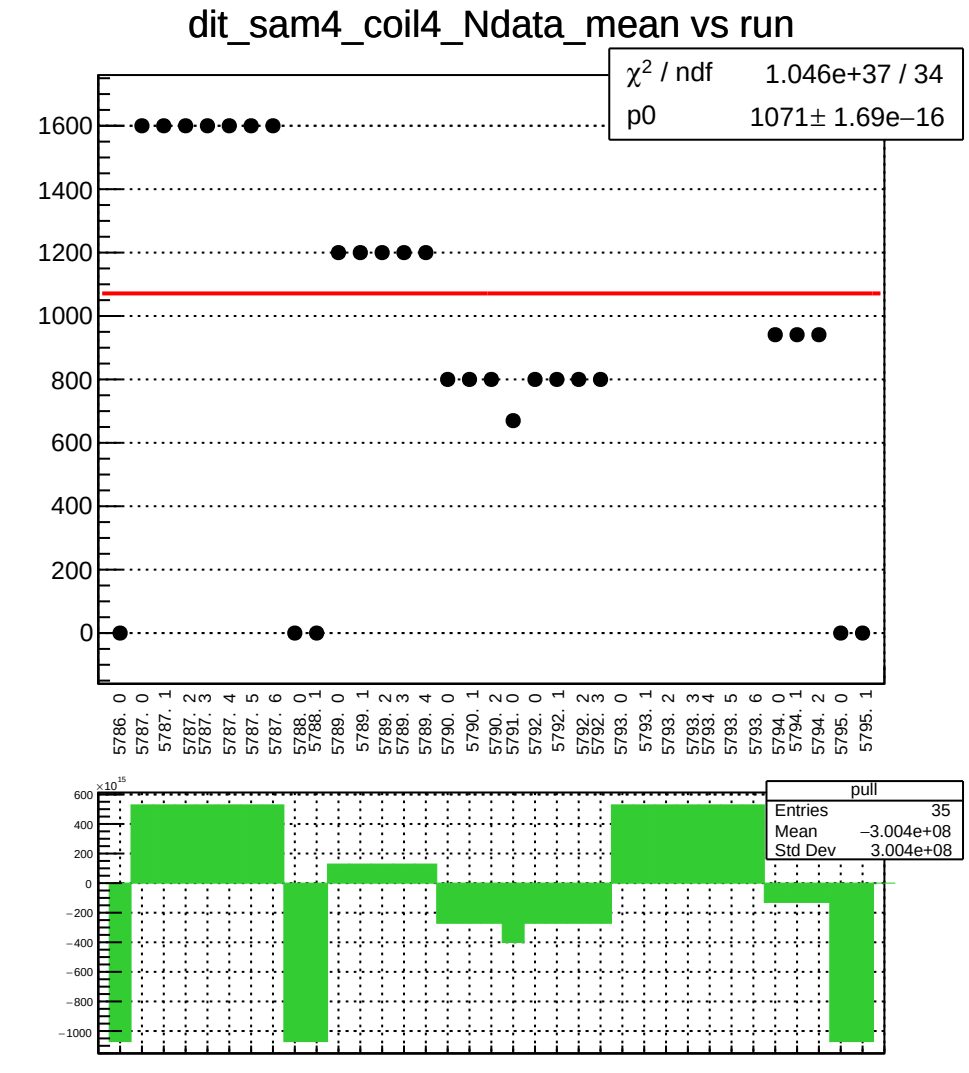

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

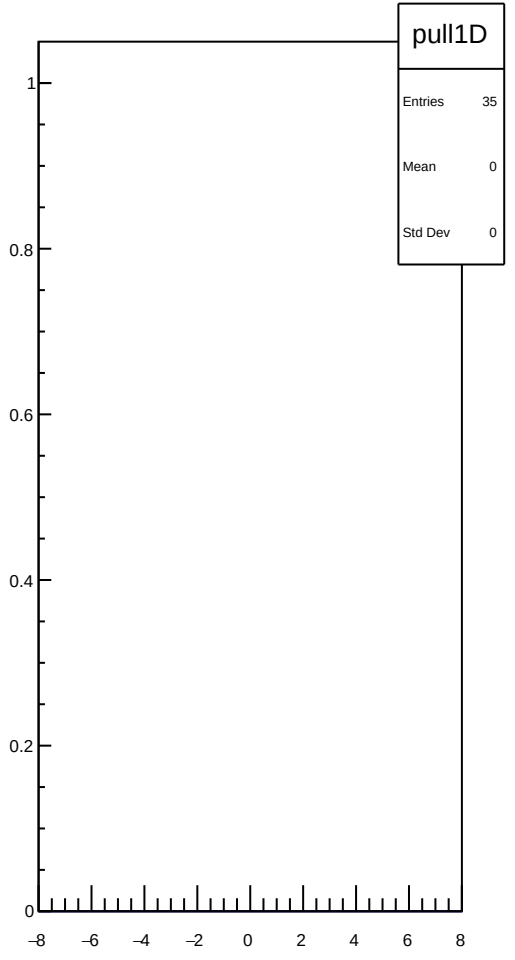

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

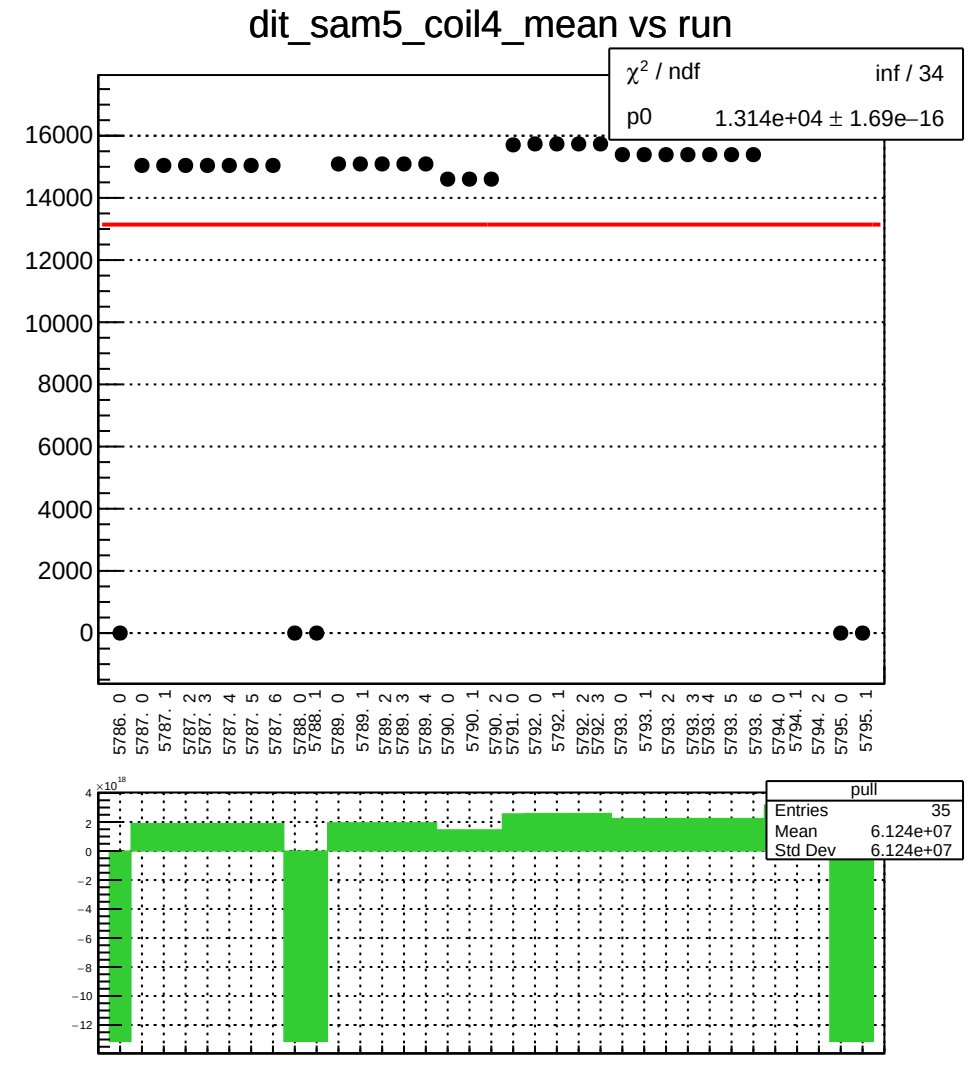

dit_sam4_coil4_mean vs run
χ² / ndf inf / 34
p0 3.088e+04 ± 1.69e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull
Entries 35
Mean 2.428e+07
Std Dev 2.428e+07

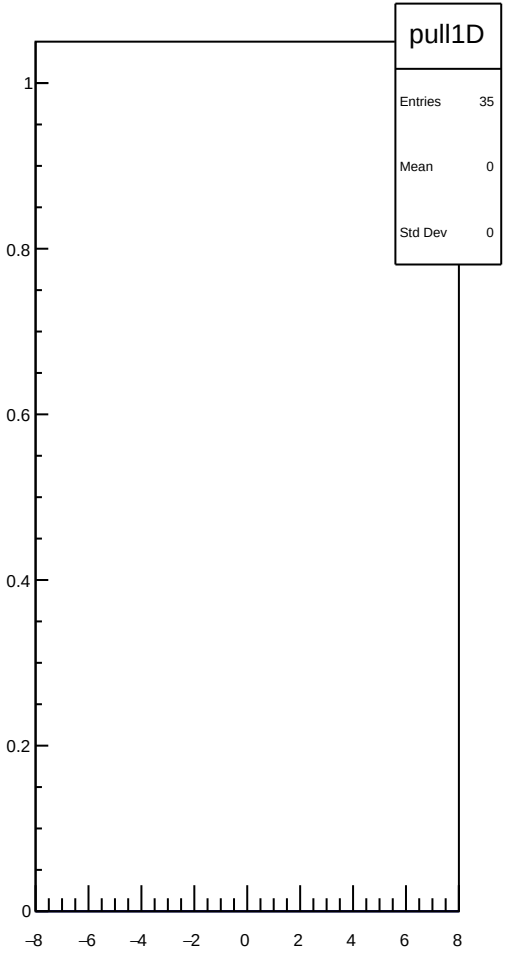

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

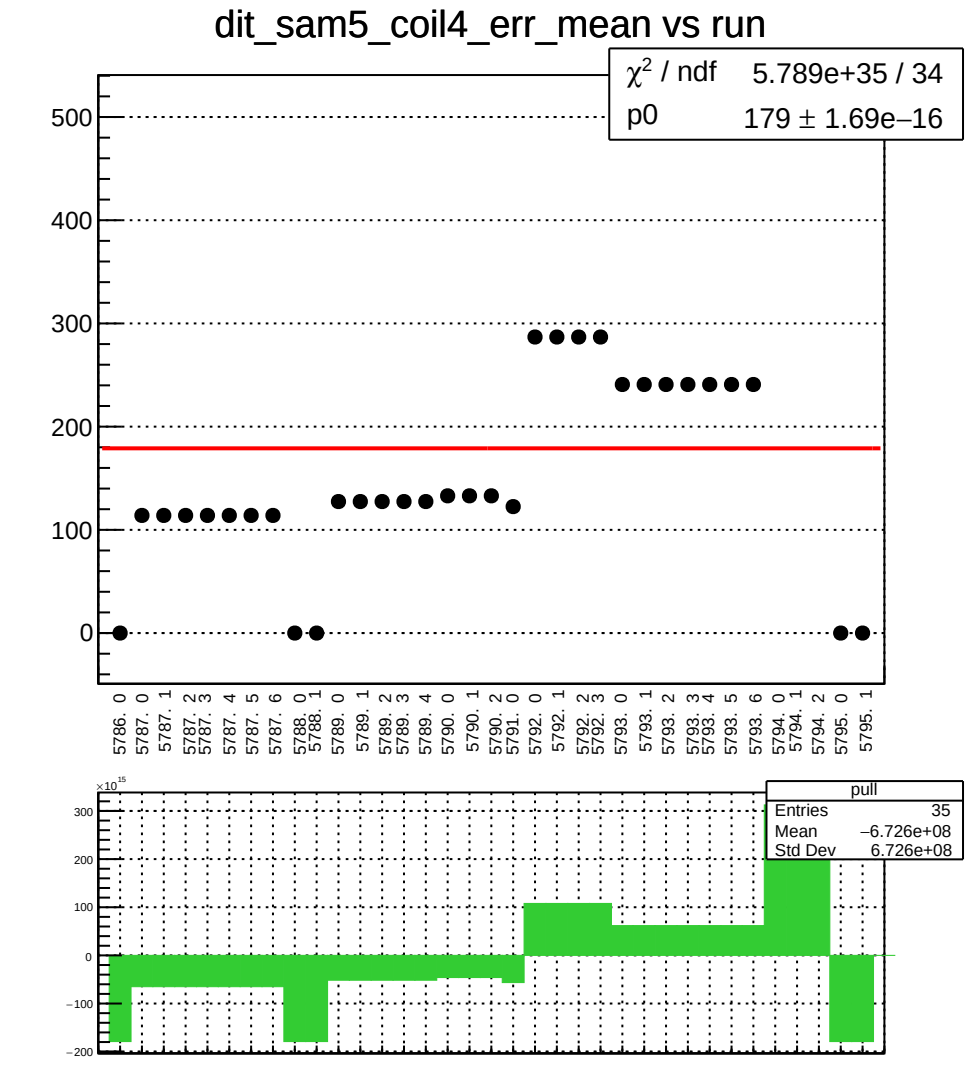

dit_sam4_coil4_err_mean vs run
χ² / ndf 3.01e+36 / 34
p0 451.5 ± 1.69e−16
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
800
600
400
200
0
−200
−400
pull
Entries 35
Mean −1.225e+09
Std Dev 1.225e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

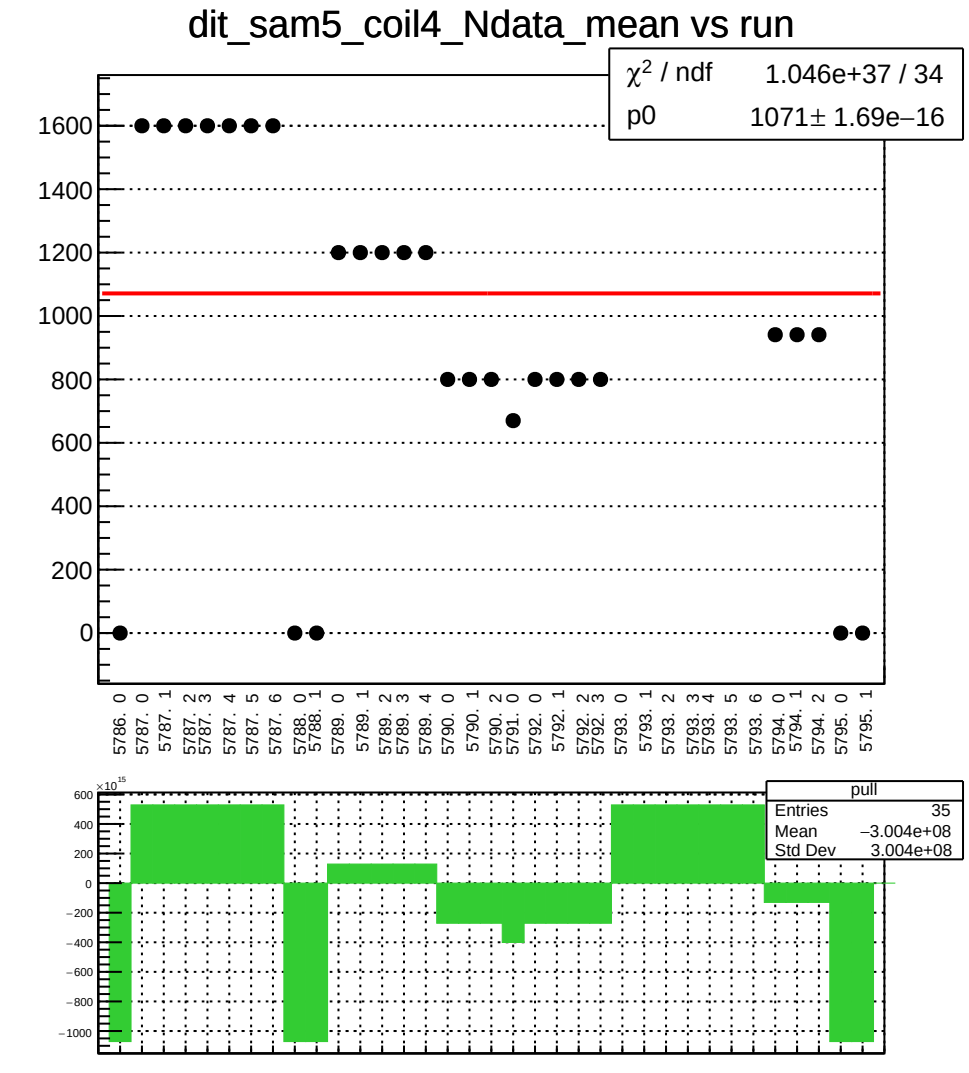

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

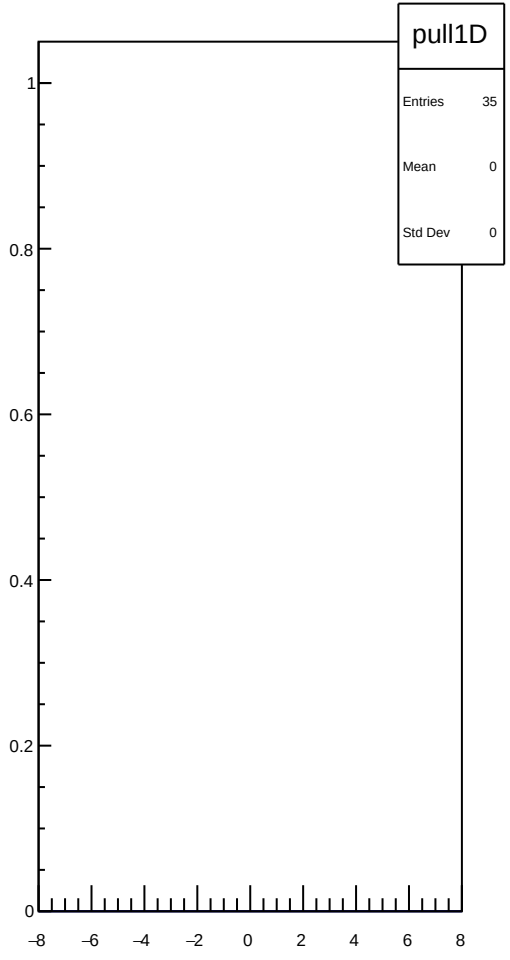

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

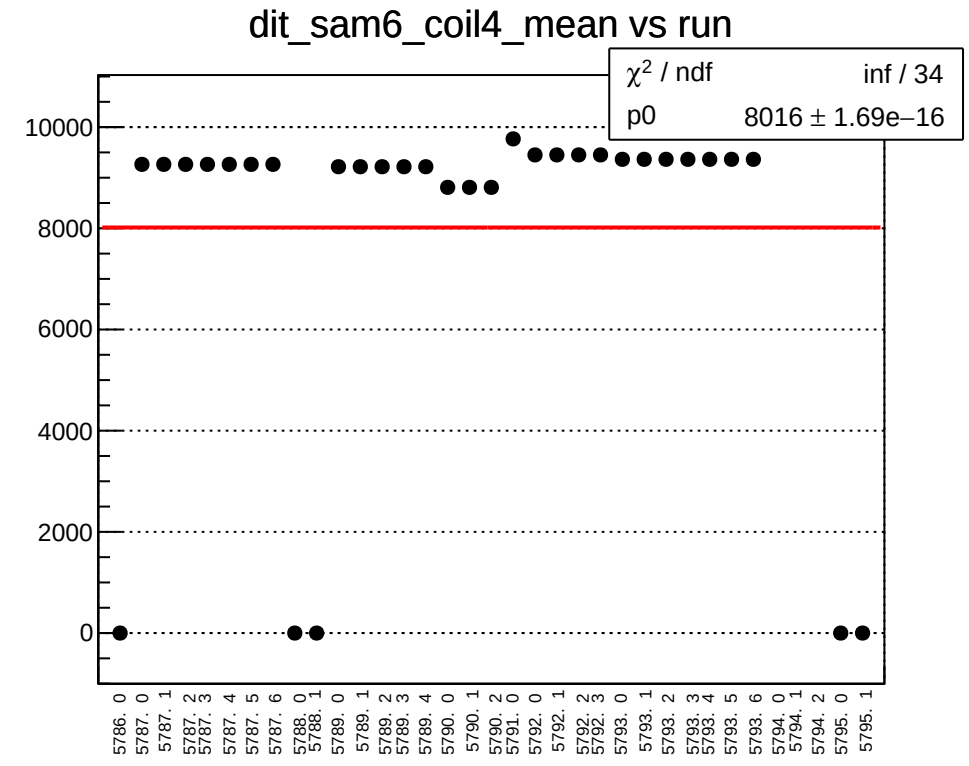

dit_sam5_coil4_mean vs run
χ² / ndf inf / 34
p0 1.314e+04 ± 1.69e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
pull
Entries 35
Mean 6.124e+07
Std Dev 6.124e+07

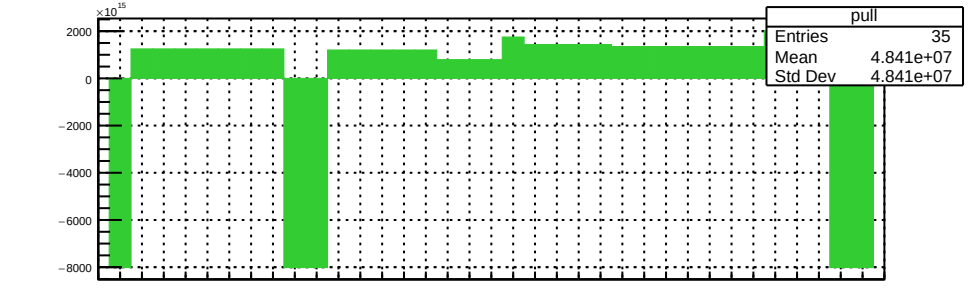

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

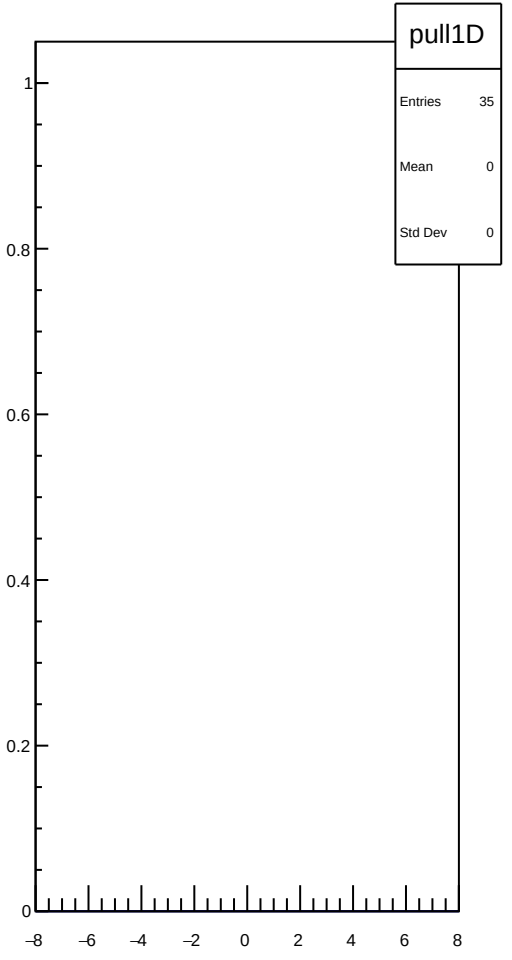

dit_sam5_coil4_err_mean vs run
χ² / ndf 5.789e+35 / 34
p0 179 ± 1.69e−16
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
−200
pull
Entries 35
Mean −6.726e+08
Std Dev 6.726e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

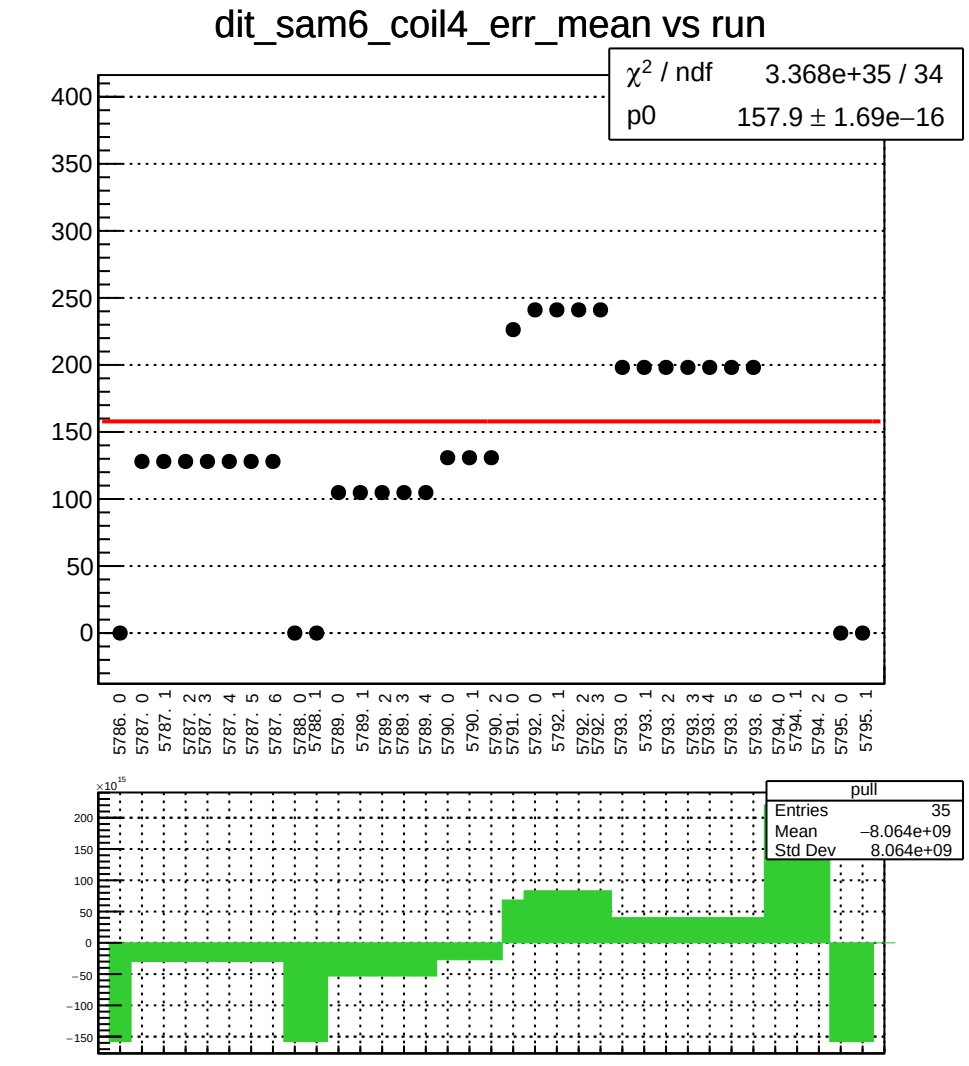

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

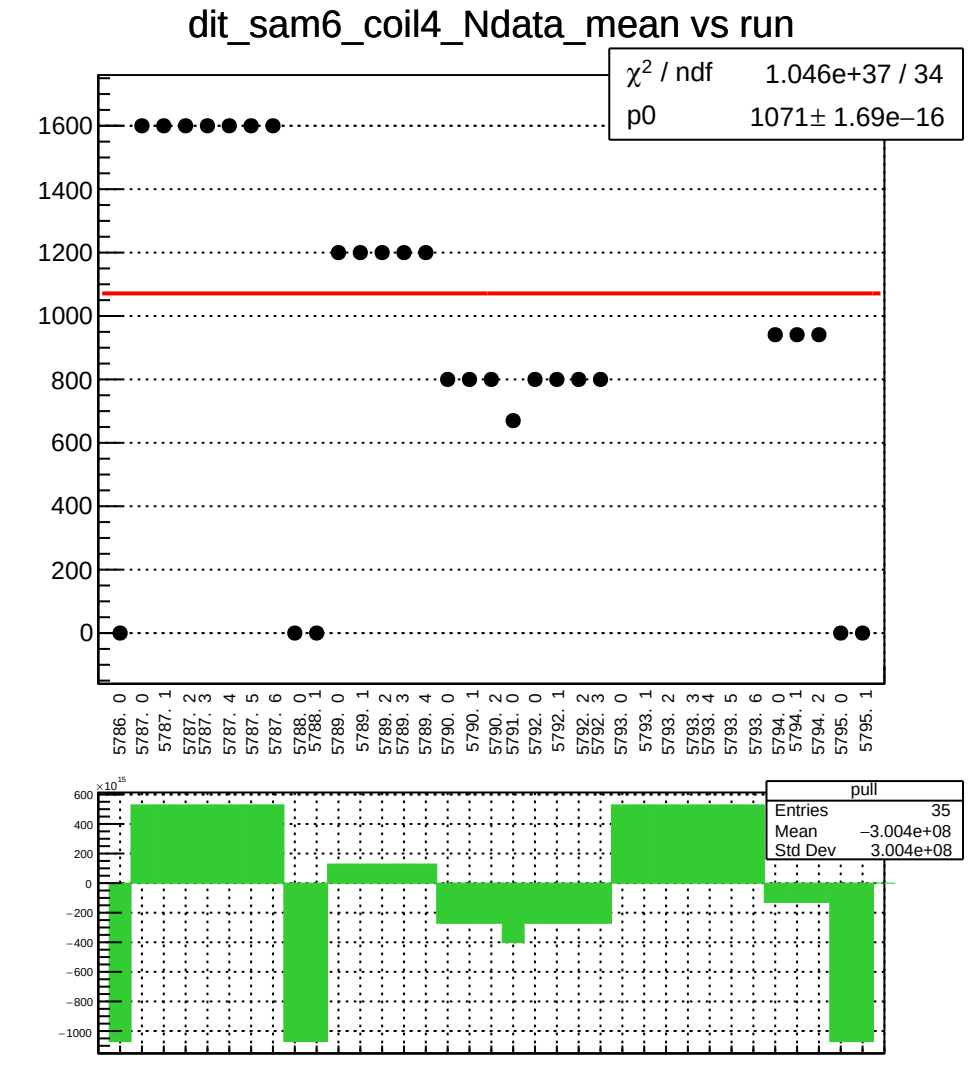

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

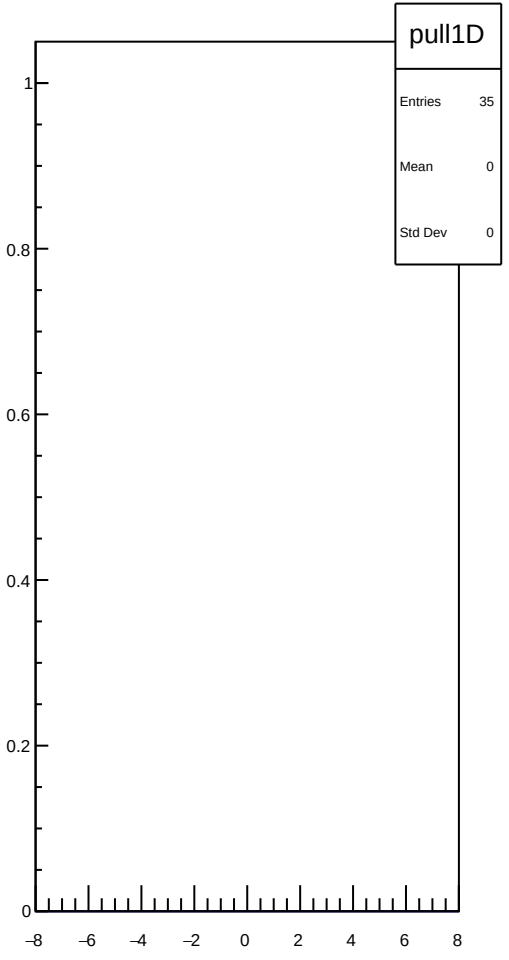

dit_sam6_coil4_mean vs run
χ² / ndf inf / 34
p0 8016 ± 1.69e−16
10000
8000
6000
4000
2000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

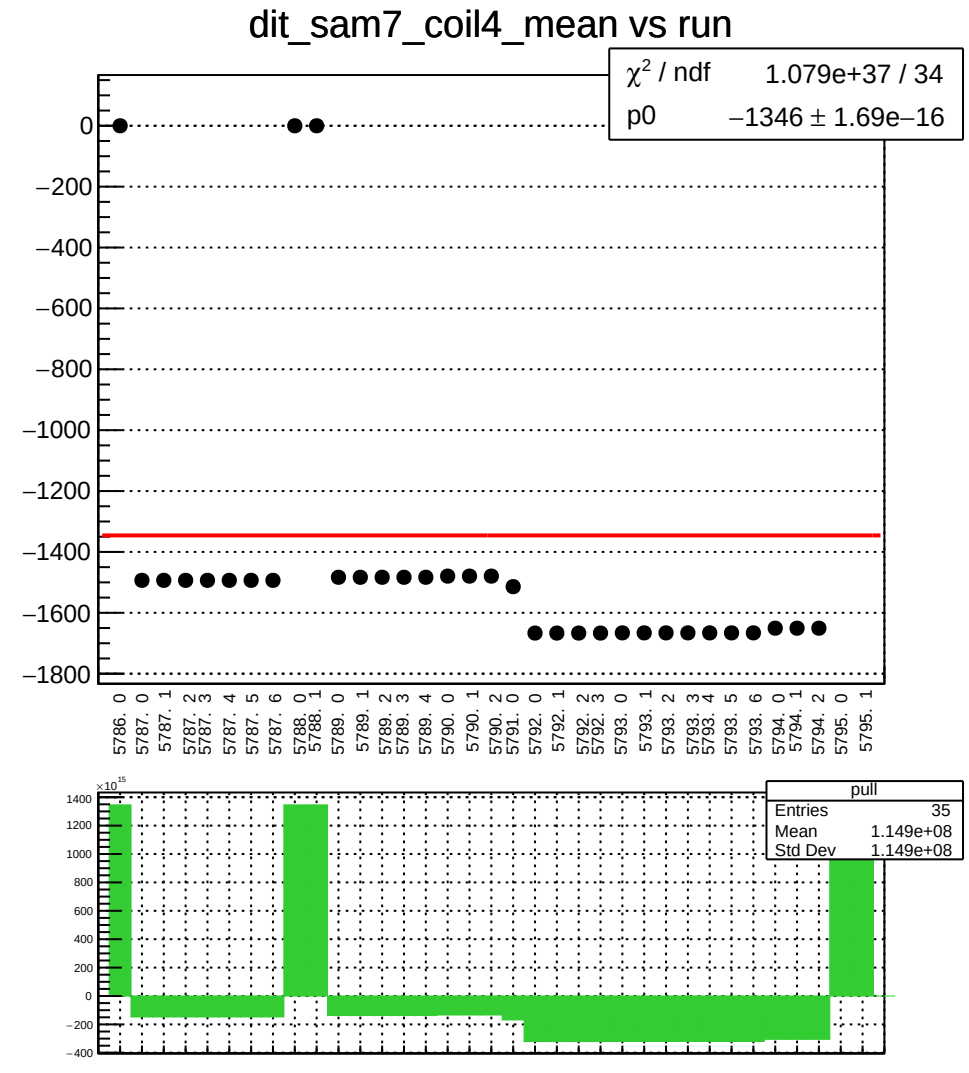

×10¹⁵
2000
0
−2000
−4000
−6000
−8000
pull
Entries 35
Mean 4.841e+07
Std Dev 4.841e+07

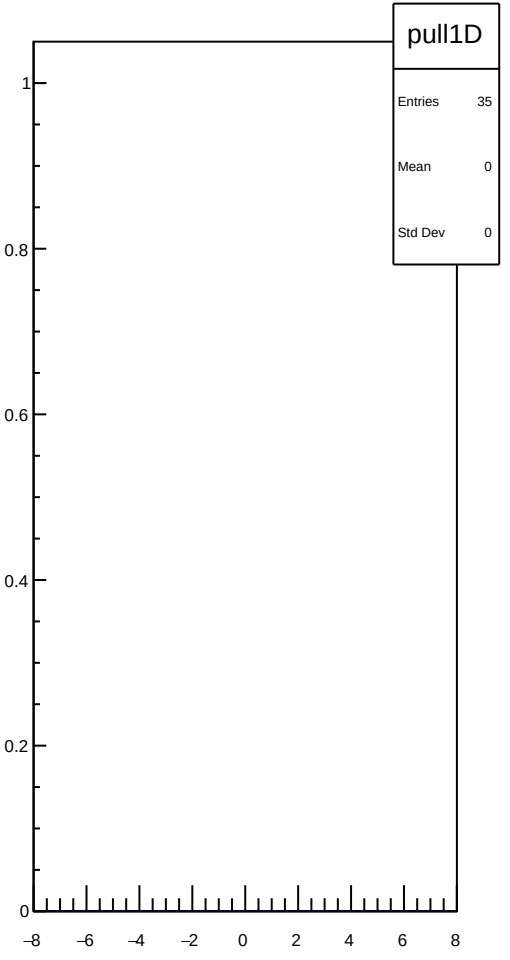

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

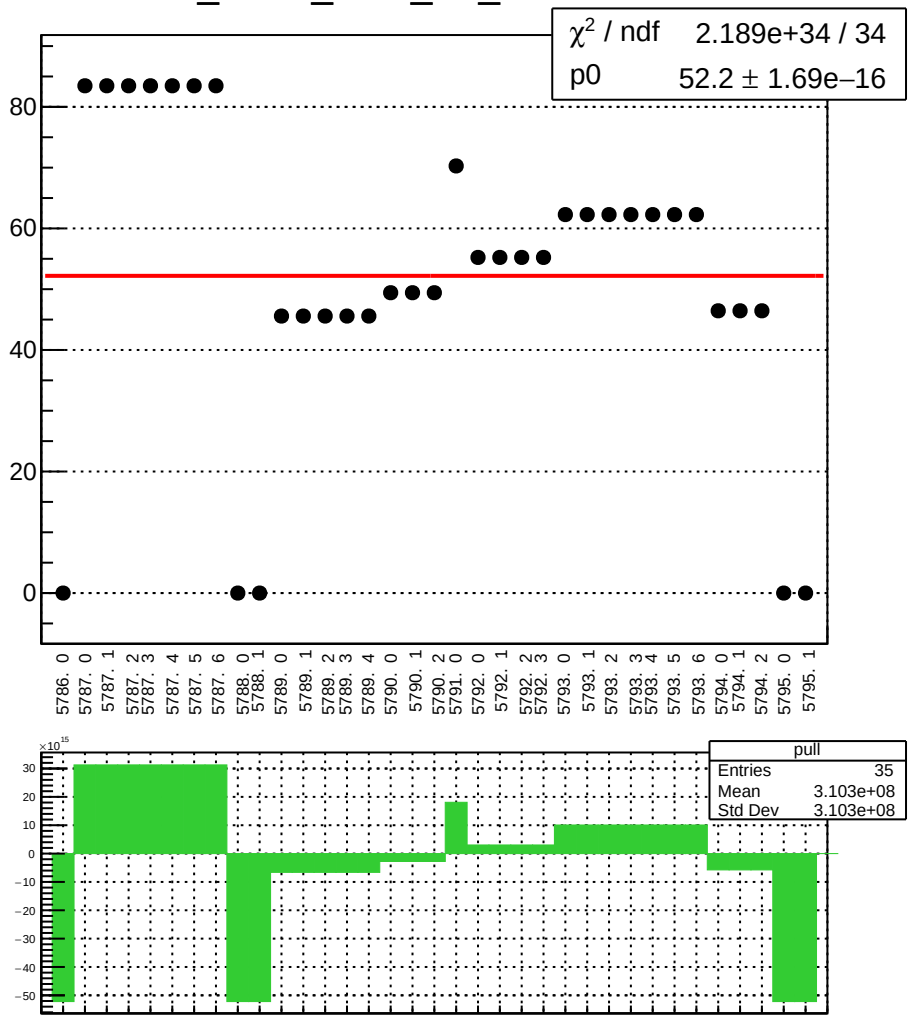

dit_sam6_coil4_err_mean vs run
χ² / ndf 3.368e+35 / 34
p0 157.9 ± 1.69e−16
400
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull
Entries 35
Mean −8.064e+09
Std Dev 8.064e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

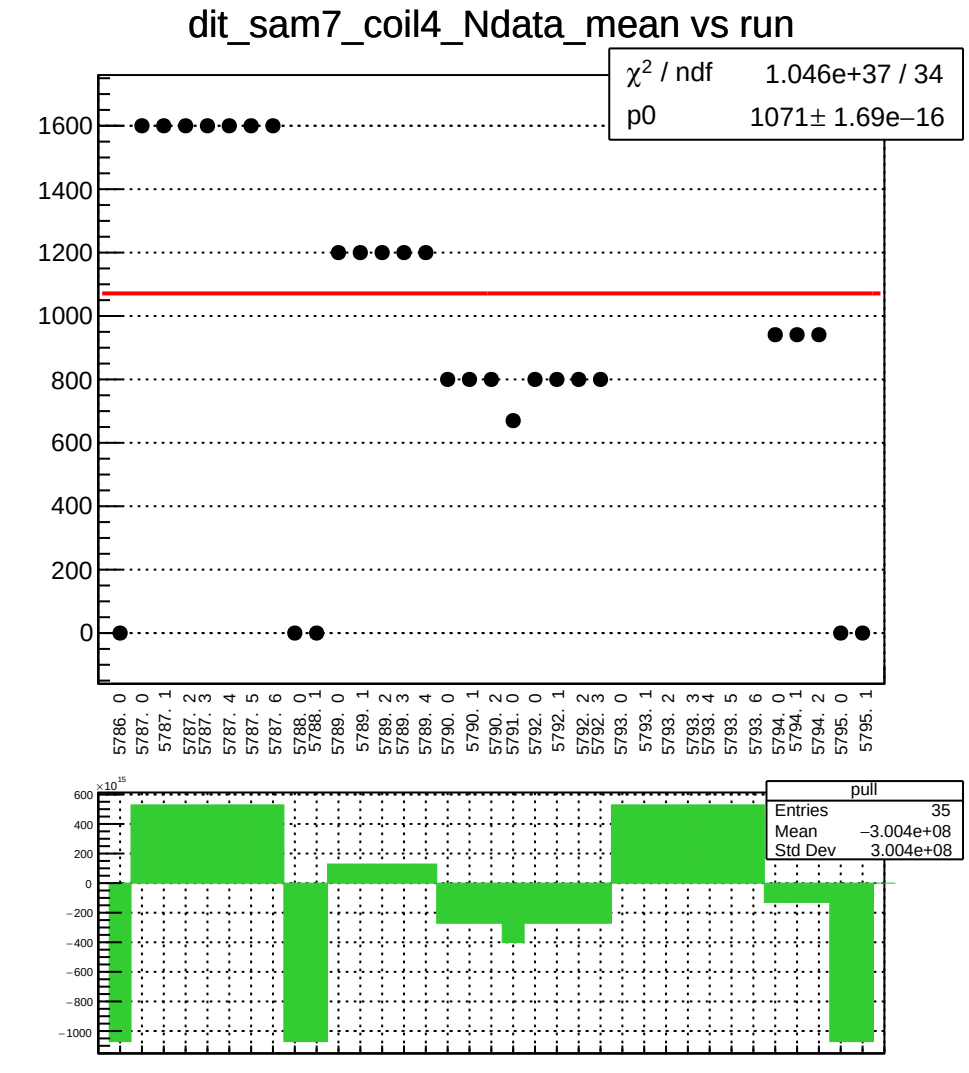

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

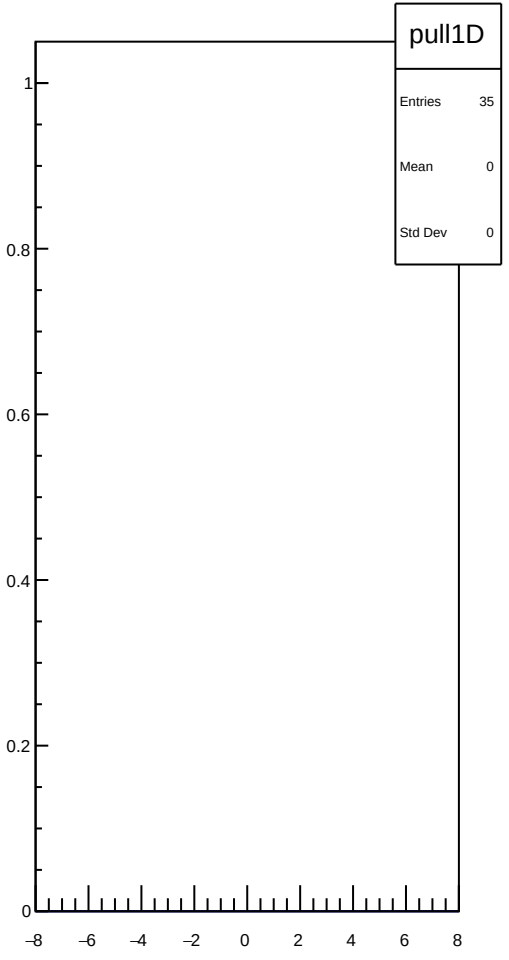

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

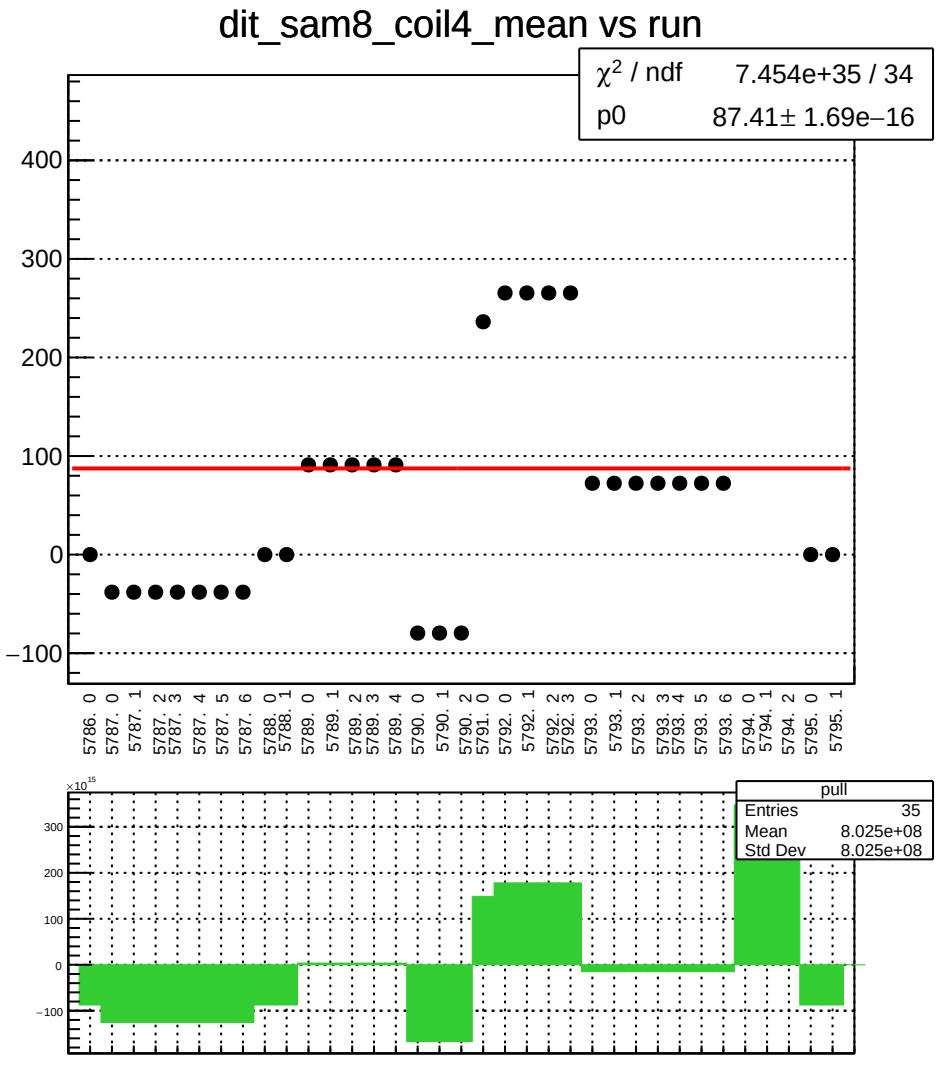

dit_sam7_coil4_mean vs run
χ² / ndf 1.079e+37 / 34
p0 −1346 ± 1.69e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
−400
pull
Entries 35
Mean 1.149e+08
Std Dev 1.149e+08

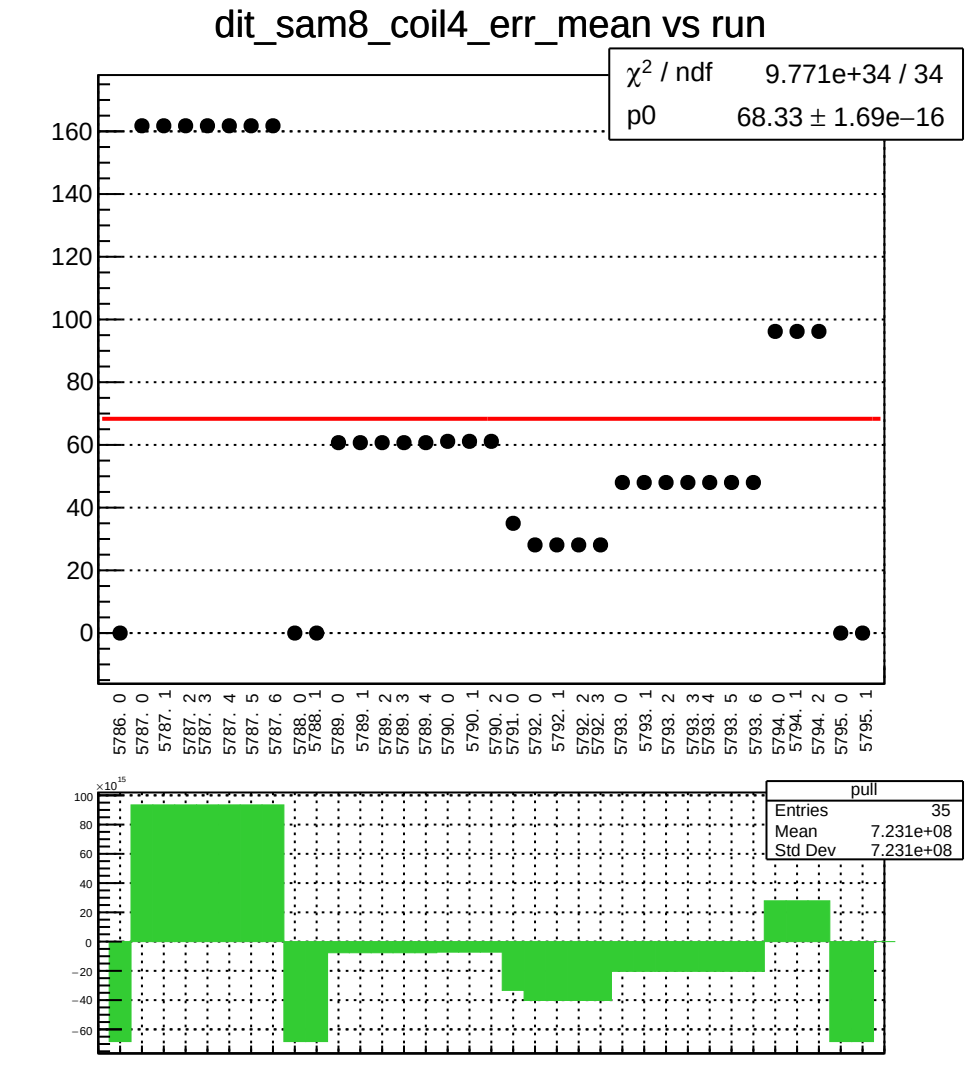

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

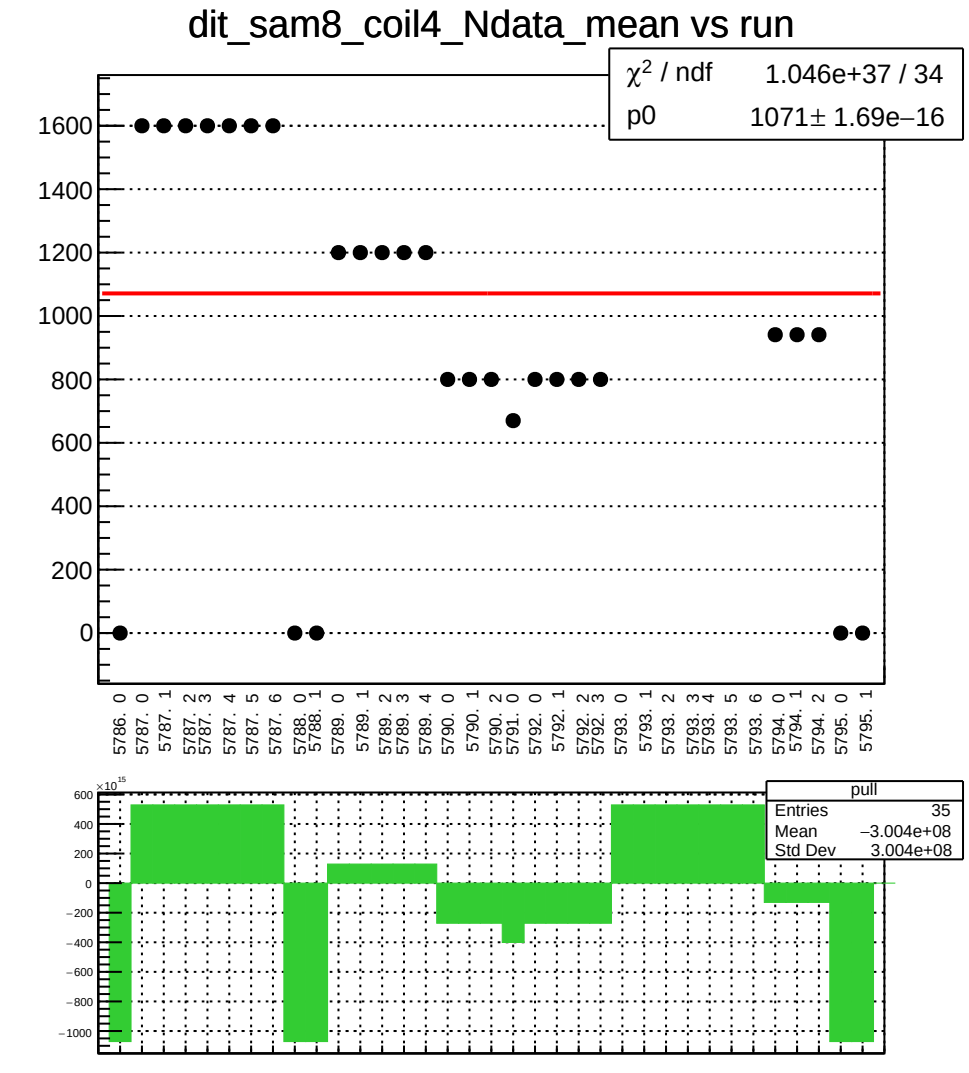

dit_sam7_coil4_err_mean vs run
χ² / ndf 2.189e+34 / 34
p0 52.2 ± 1.69e−16
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
30
20
10
0
−10
−20
−30
−40
−50
pull
Entries 35
Mean 3.103e+08
Std Dev 3.103e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

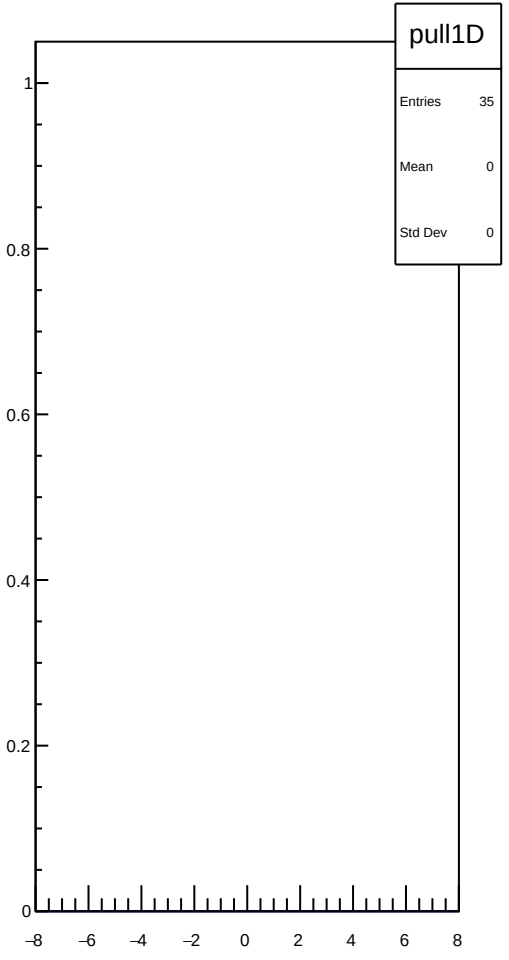

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

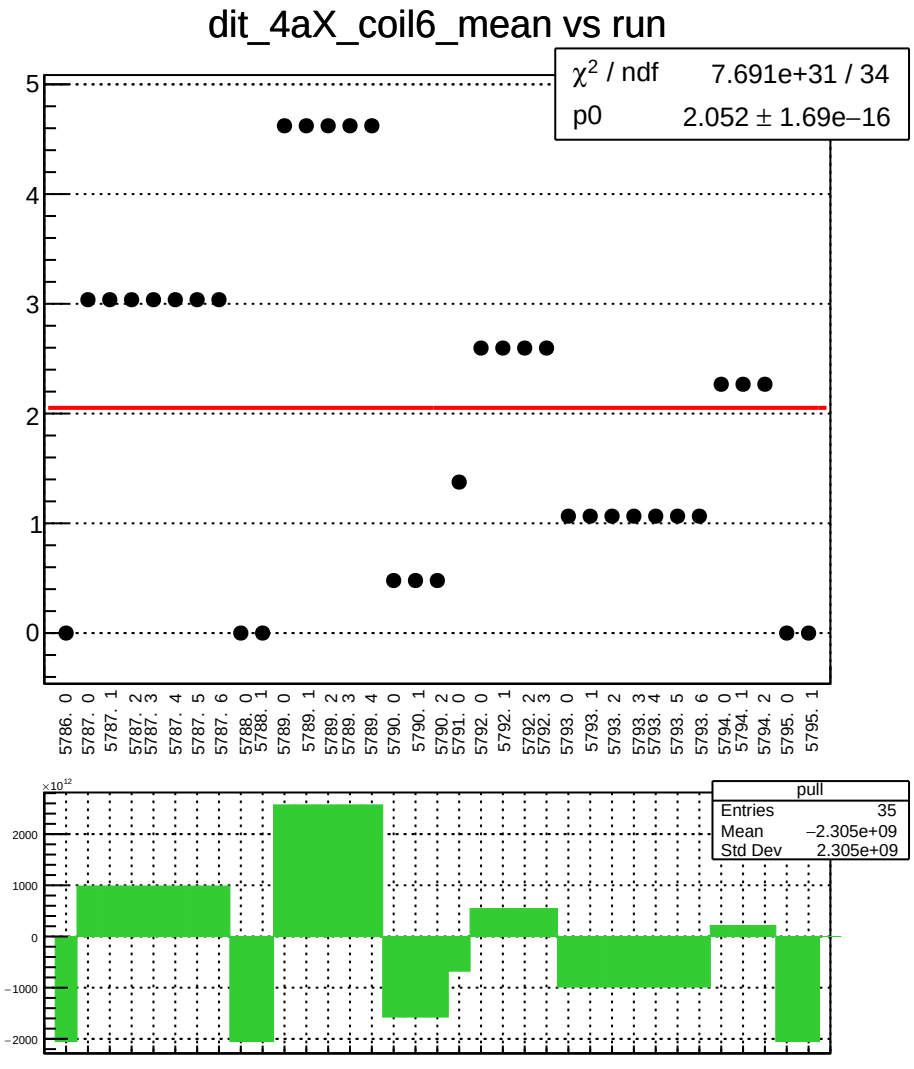

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

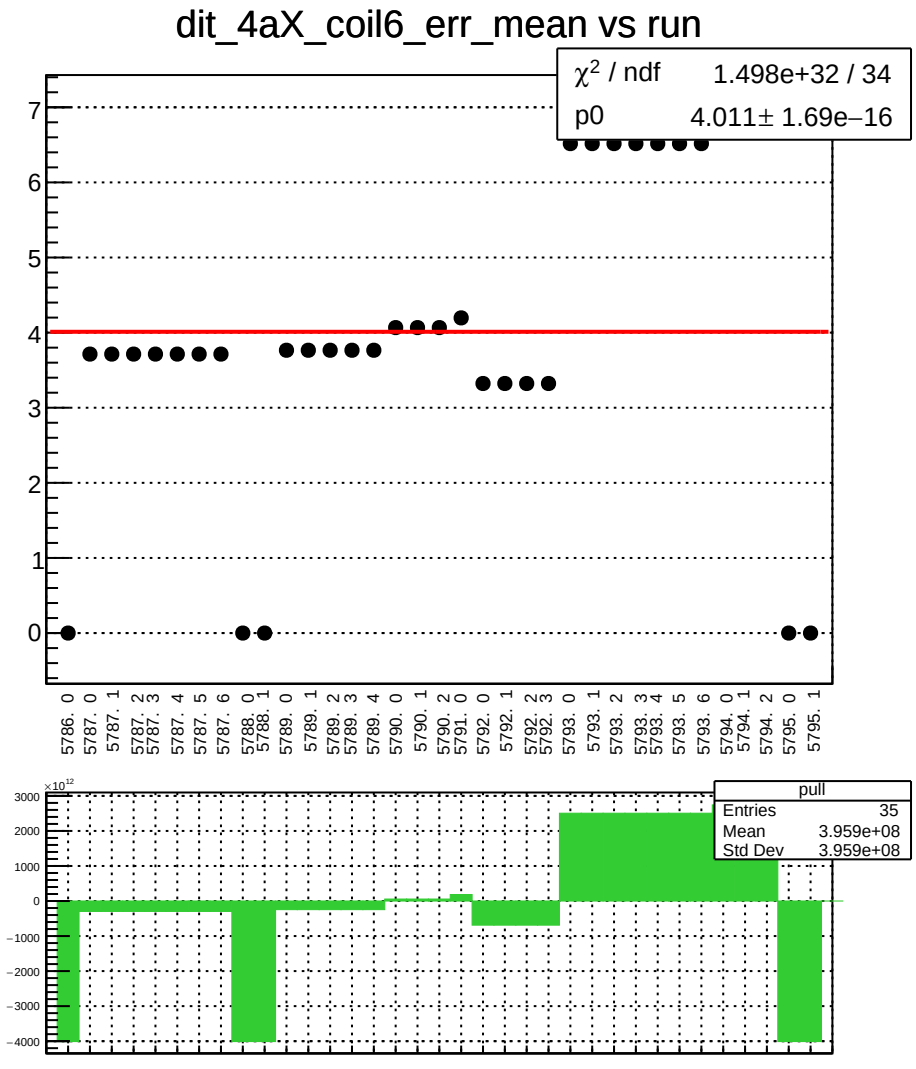

dit_sam8_coil4_mean vs run
χ² / ndf 7.454e+35 / 34
p0 87.41± 1.69e−16
400
300
200
100
0
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
200
100
0
−100
pull
Entries 35
Mean 8.025e+08
Std Dev 8.025e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

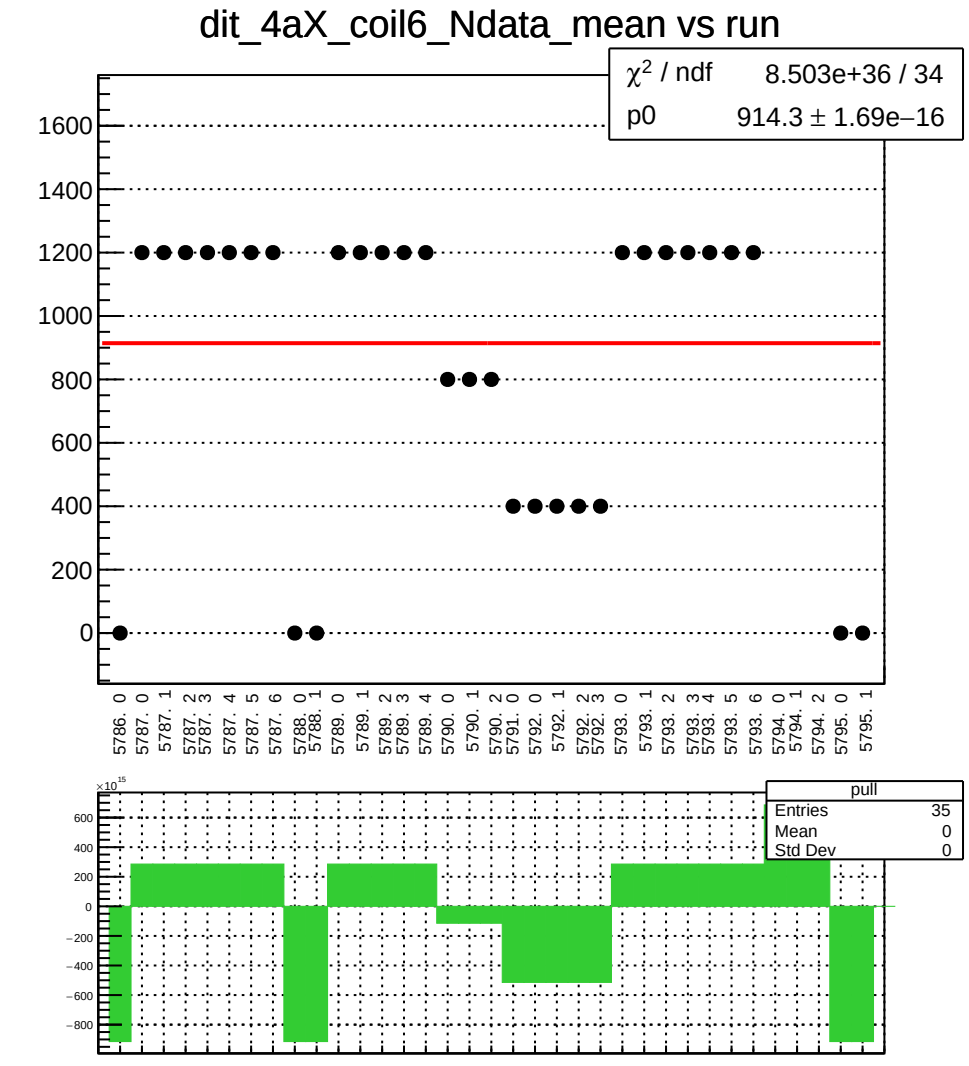

dit_sam8_coil4_err_mean vs run
χ² / ndf 9.771e+34 / 34
p0 68.33 ± 1.69e−16
160
140
120
100
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
pull
Entries 35
Mean 7.231e+08
Std Dev 7.231e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

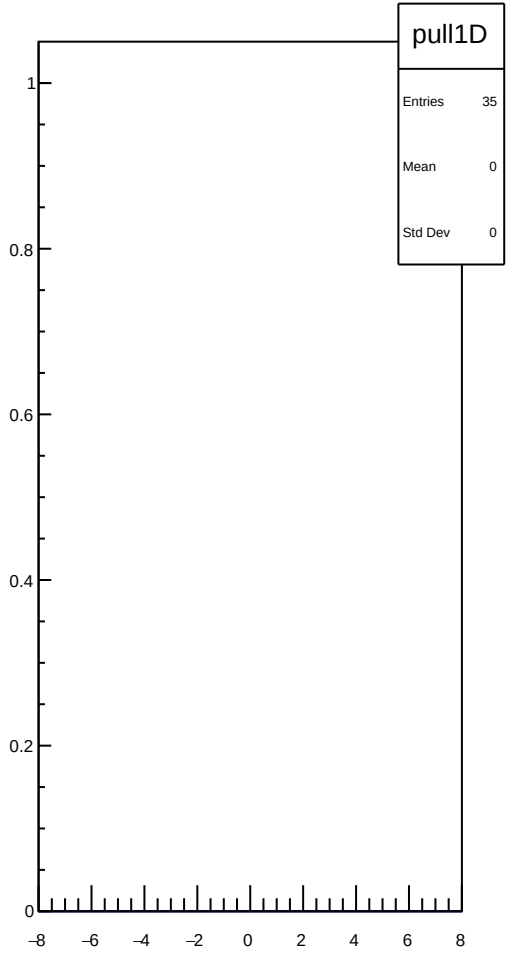

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.046e+37 / 34
p0 1071± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean −3.004e+08
Std Dev 3.004e+08

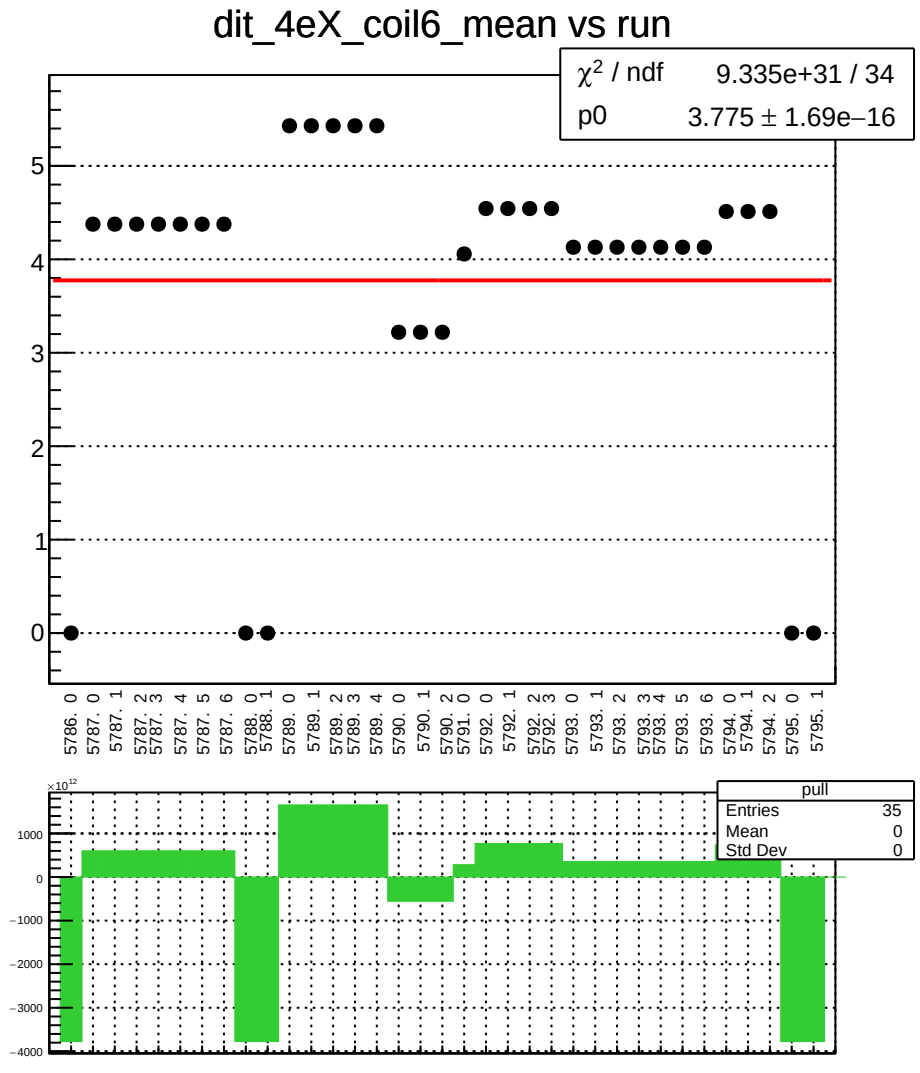

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

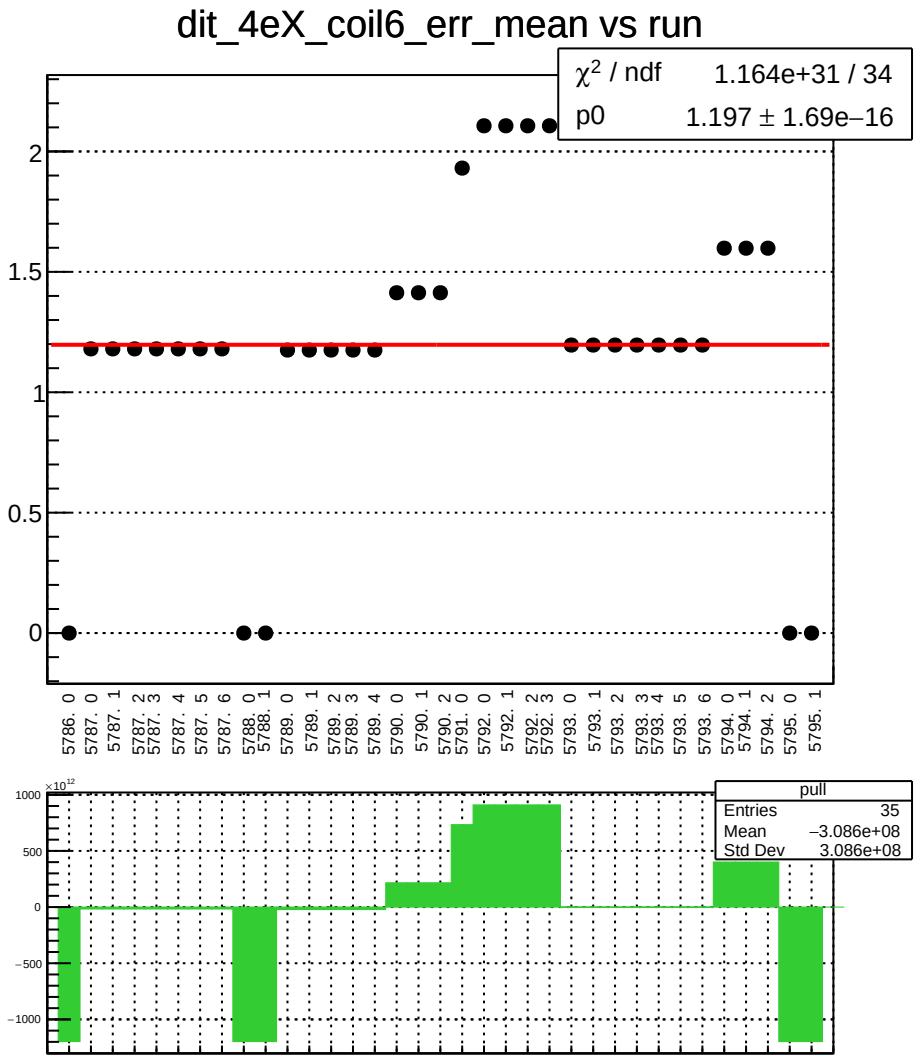

dit_4aX_coil6_mean vs run
χ² / ndf 7.691e+31 / 34
p0 2.052 ± 1.69e−16
5
4
3
2
1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
2000
1000
0
−1000
−2000
pull
Entries 35
Mean −2.305e+09
Std Dev 2.305e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

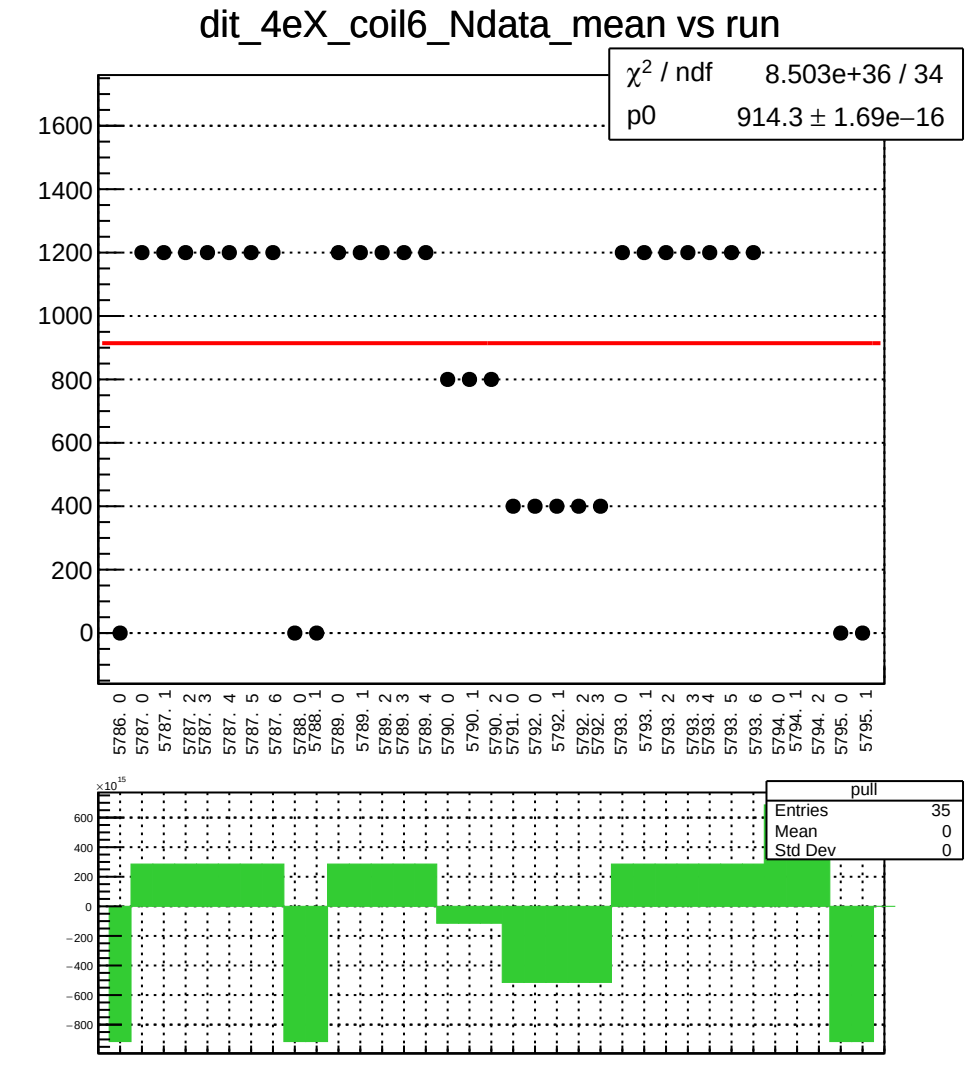

dit_4aX_coil6_err_mean vs run
χ² / ndf 1.498e+32 / 34
p0 4.011± 1.69e−16
pull
Entries 35
Mean 3.959e+08
Std Dev 3.959e+08
pull1D
Entries 35
Mean 0
Std Dev 0

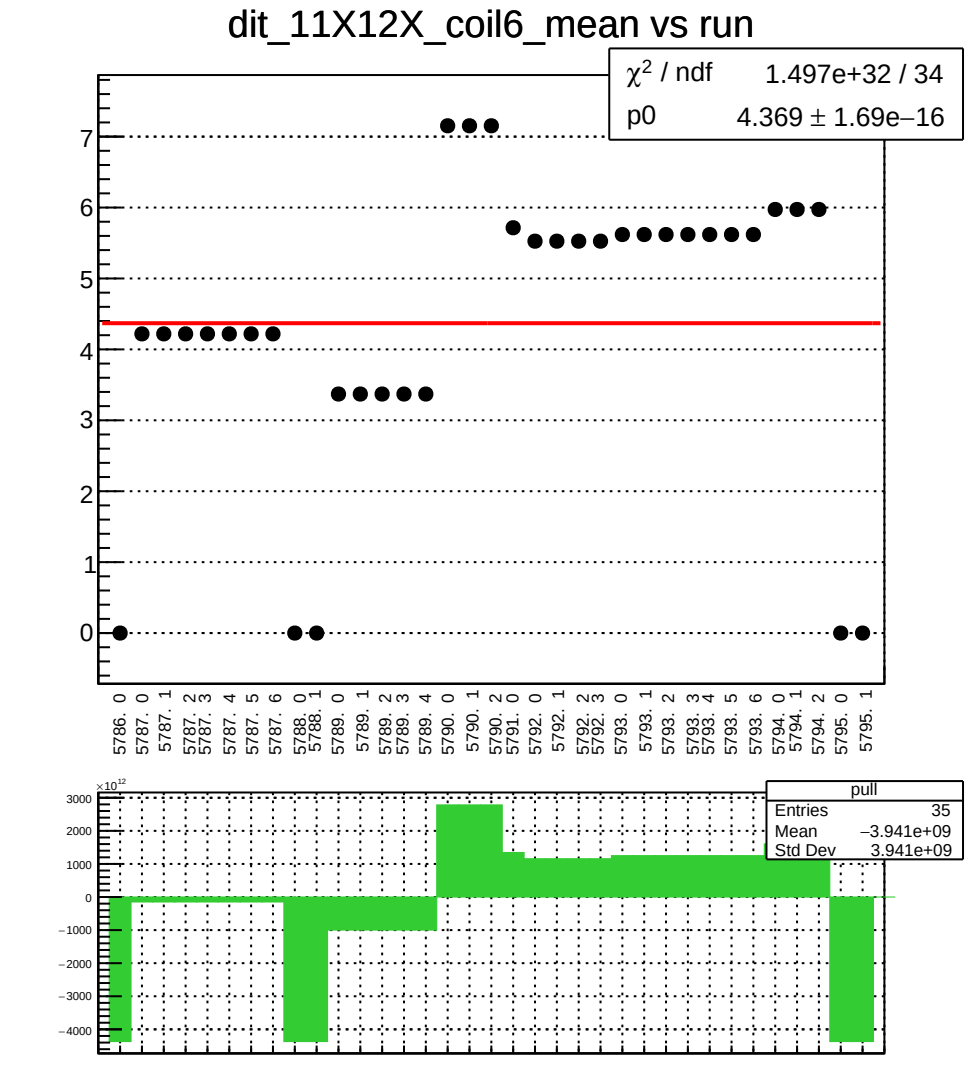

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

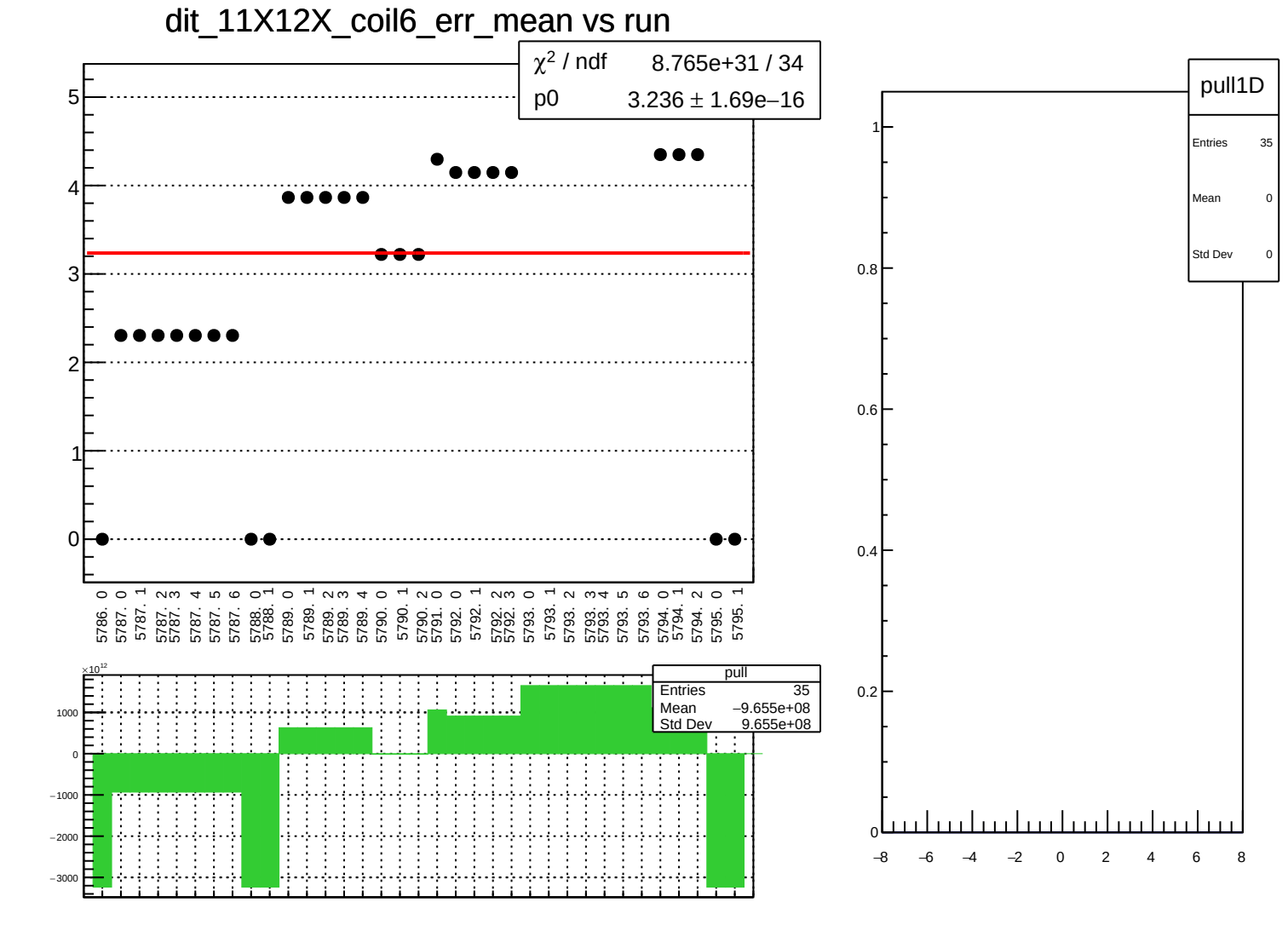

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

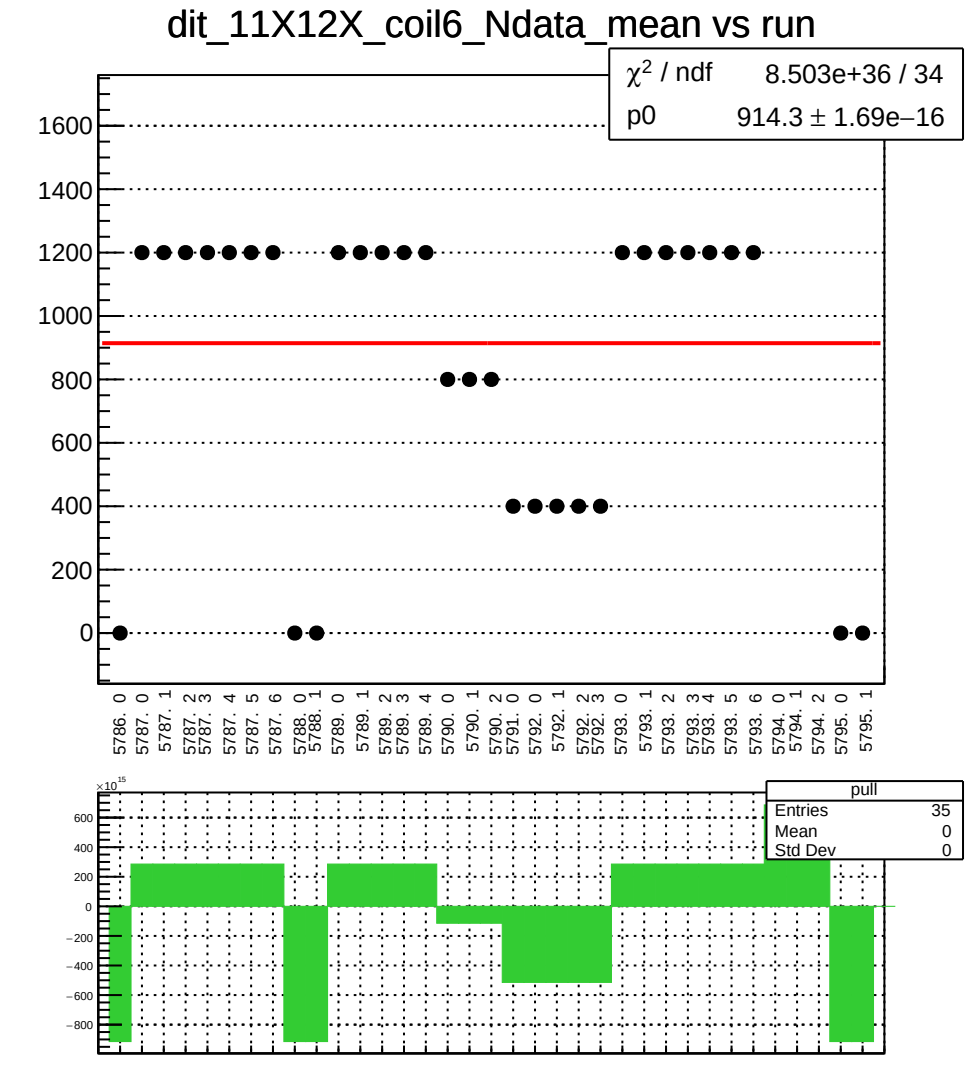

dit_4eX_coil6_mean vs run
χ² / ndf 9.335e+31 / 34
p0 3.775 ± 1.69e−16
5
4
3
2
1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean 0
Std Dev 0
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

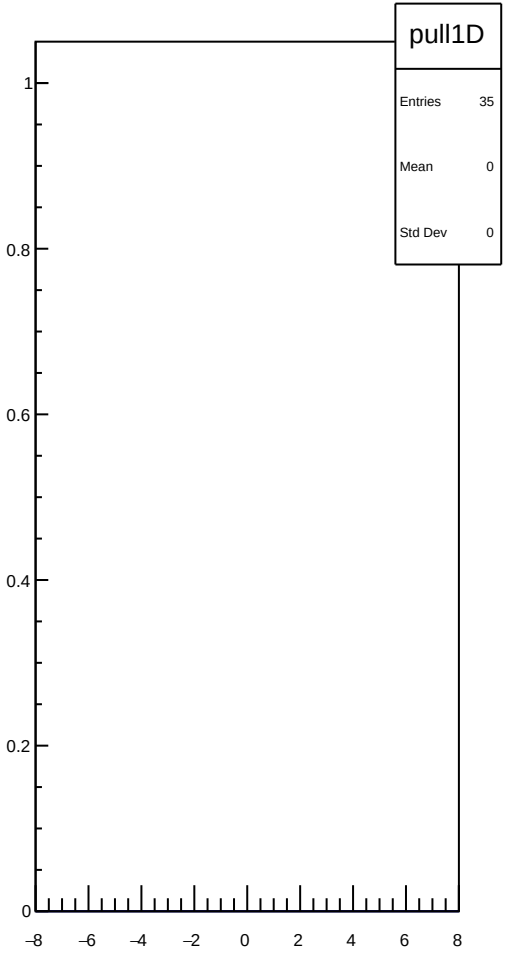

dit_4eX_coil6_err_mean vs run
χ² / ndf 1.164e+31 / 34
p0 1.197 ± 1.69e−16
2
1.5
1
0.5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
1000
500
0
−500
−1000
pull
Entries 35
Mean −3.086e+08
Std Dev 3.086e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

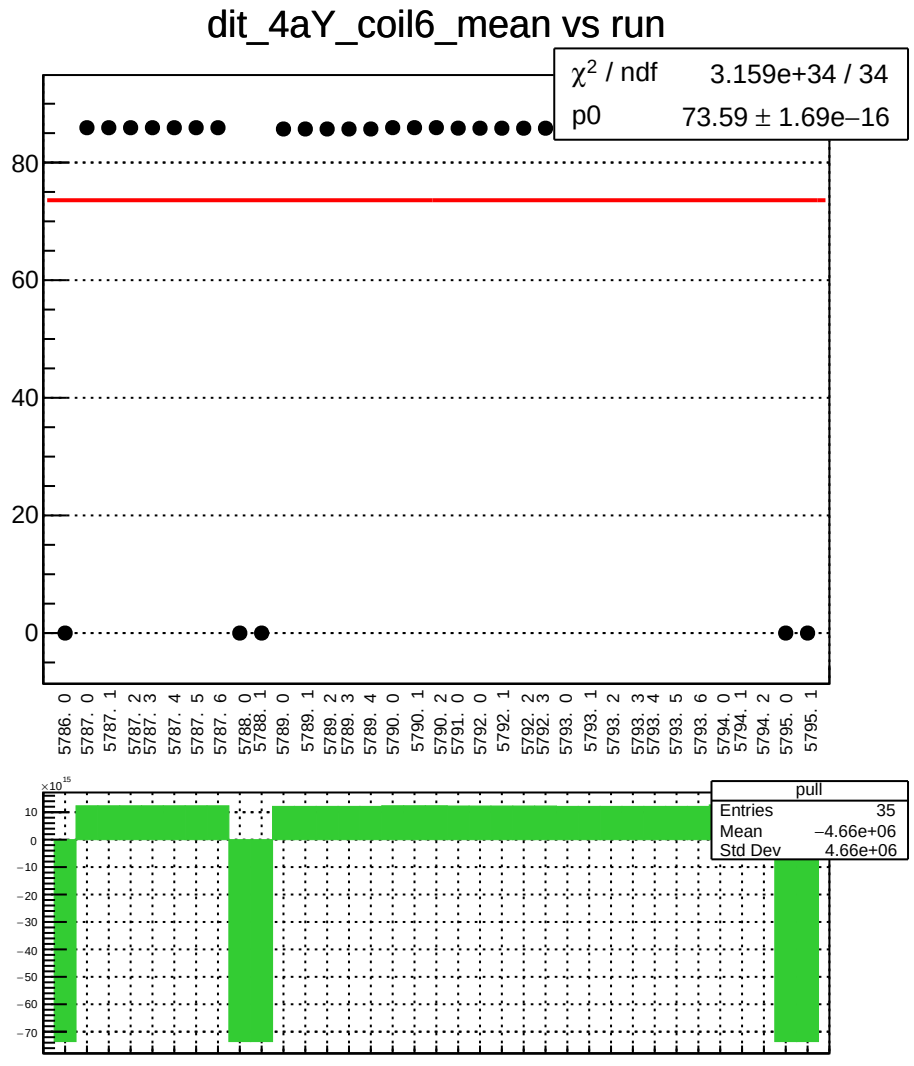

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

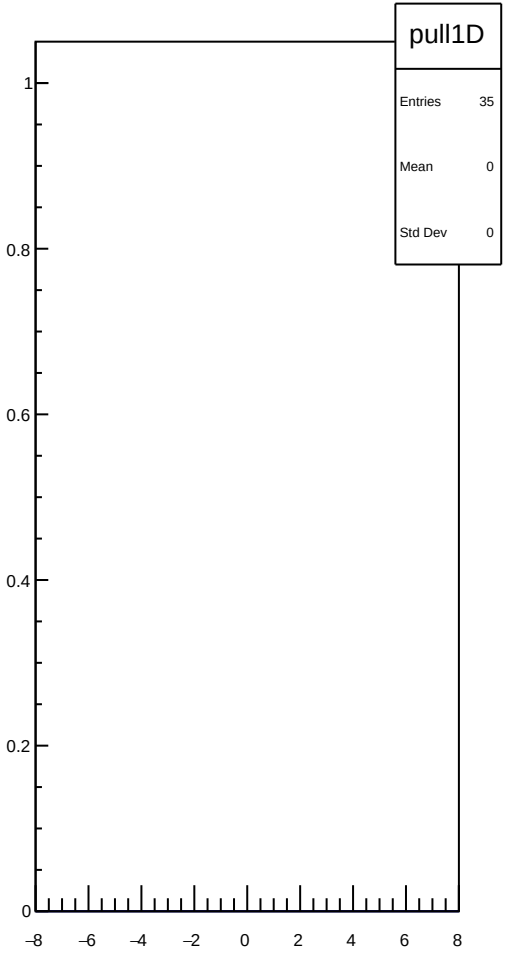

dit_11X12X_coil6_mean vs run
χ² / ndf 1.497e+32 / 34
p0 4.369 ± 1.69e−16
0
1
2
3
4
5
6
7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −3.941e+09
Std Dev 3.941e+09
pull1D
Entries 35
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

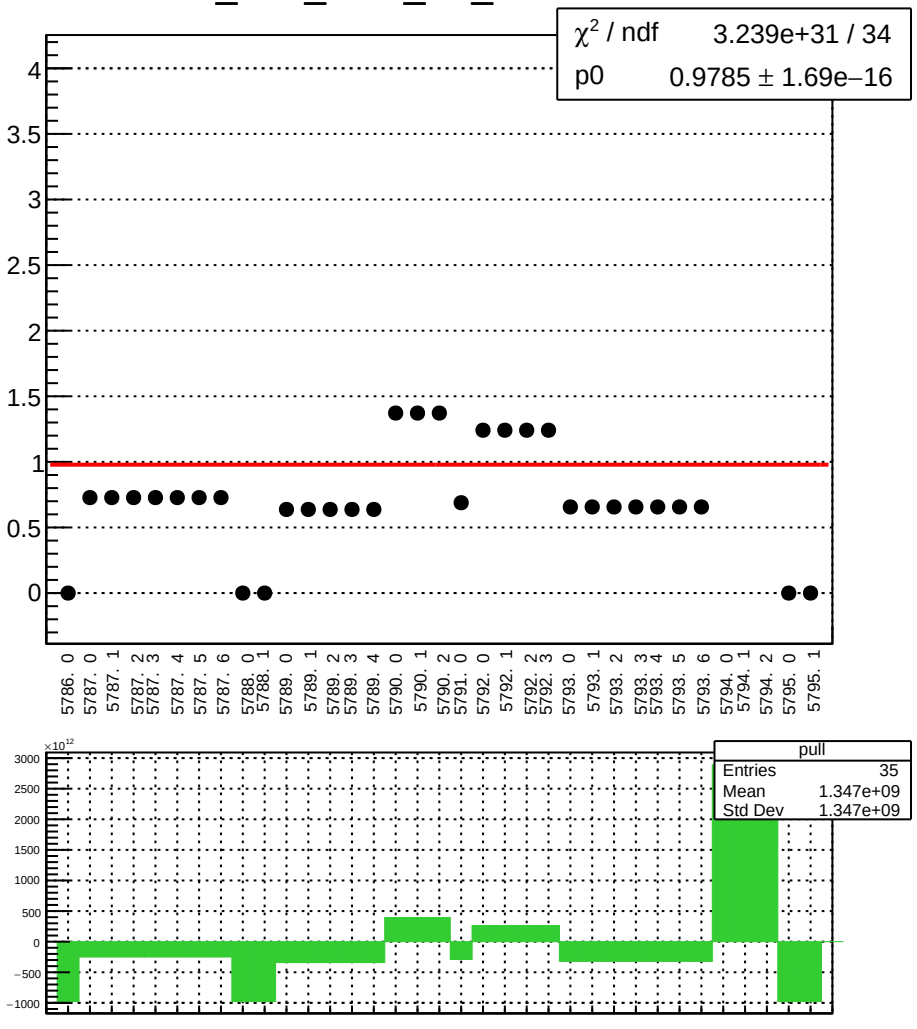

dit_11X12X_coil6_err_mean vs run
χ² / ndf 8.765e+31 / 34
p0 3.236 ± 1.69e−16
pull
Entries 35
Mean −9.655e+08
Std Dev 9.655e+08
pull1D
Entries 35
Mean 0
Std Dev 0

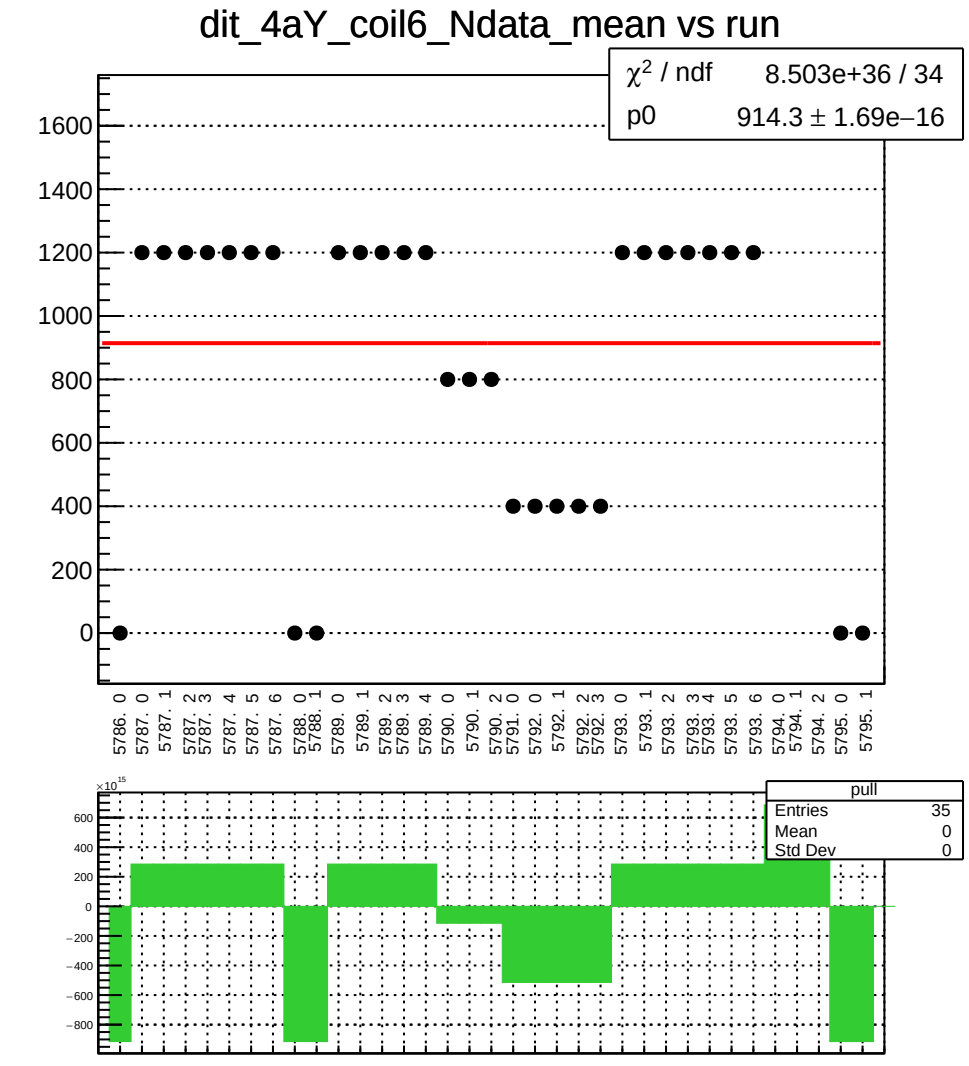

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

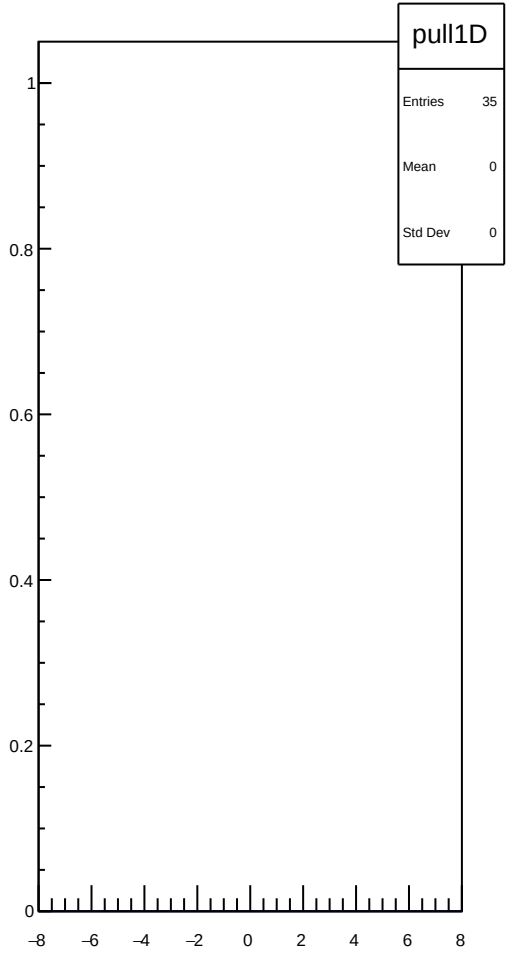

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

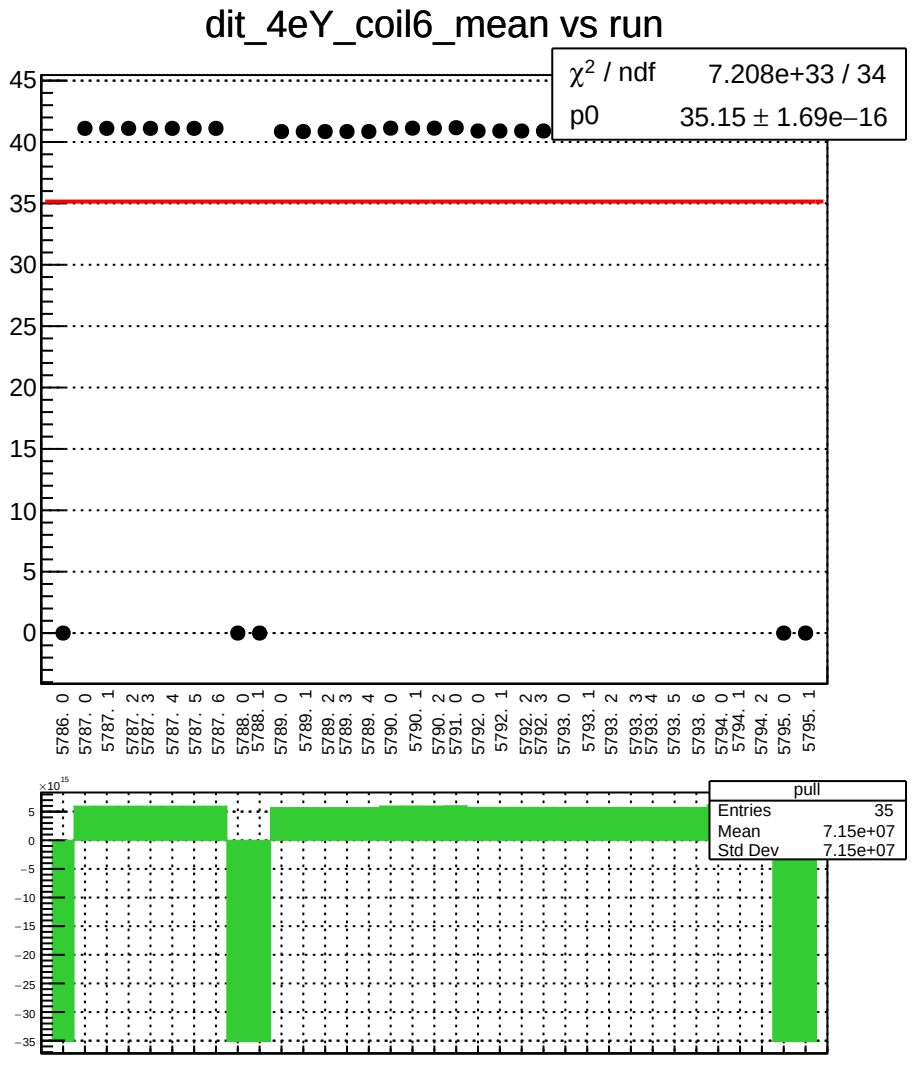

dit_4aY_coil6_mean vs run
χ² / ndf 3.159e+34 / 34
p0 73.59 ± 1.69e−16
80
60
40
20
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
10
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 35
Mean −4.66e+06
Std Dev 4.66e+06

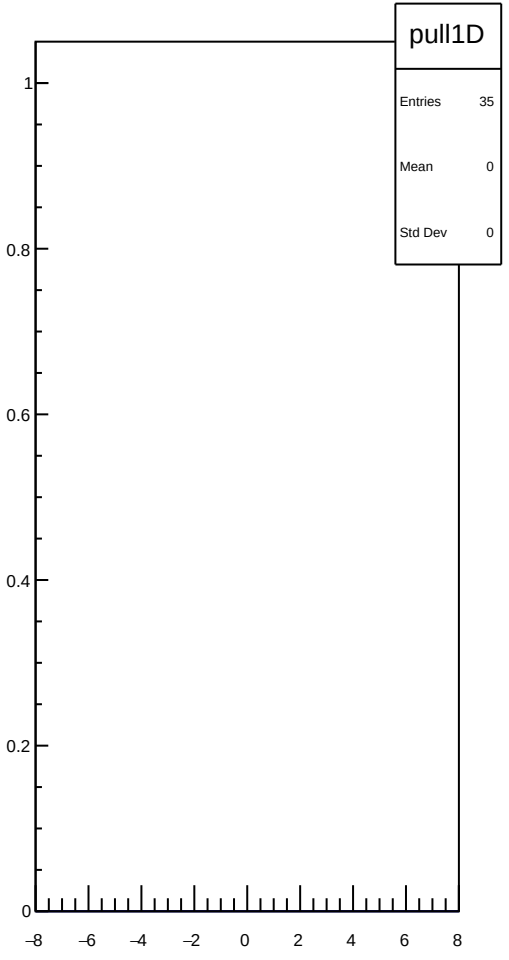

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

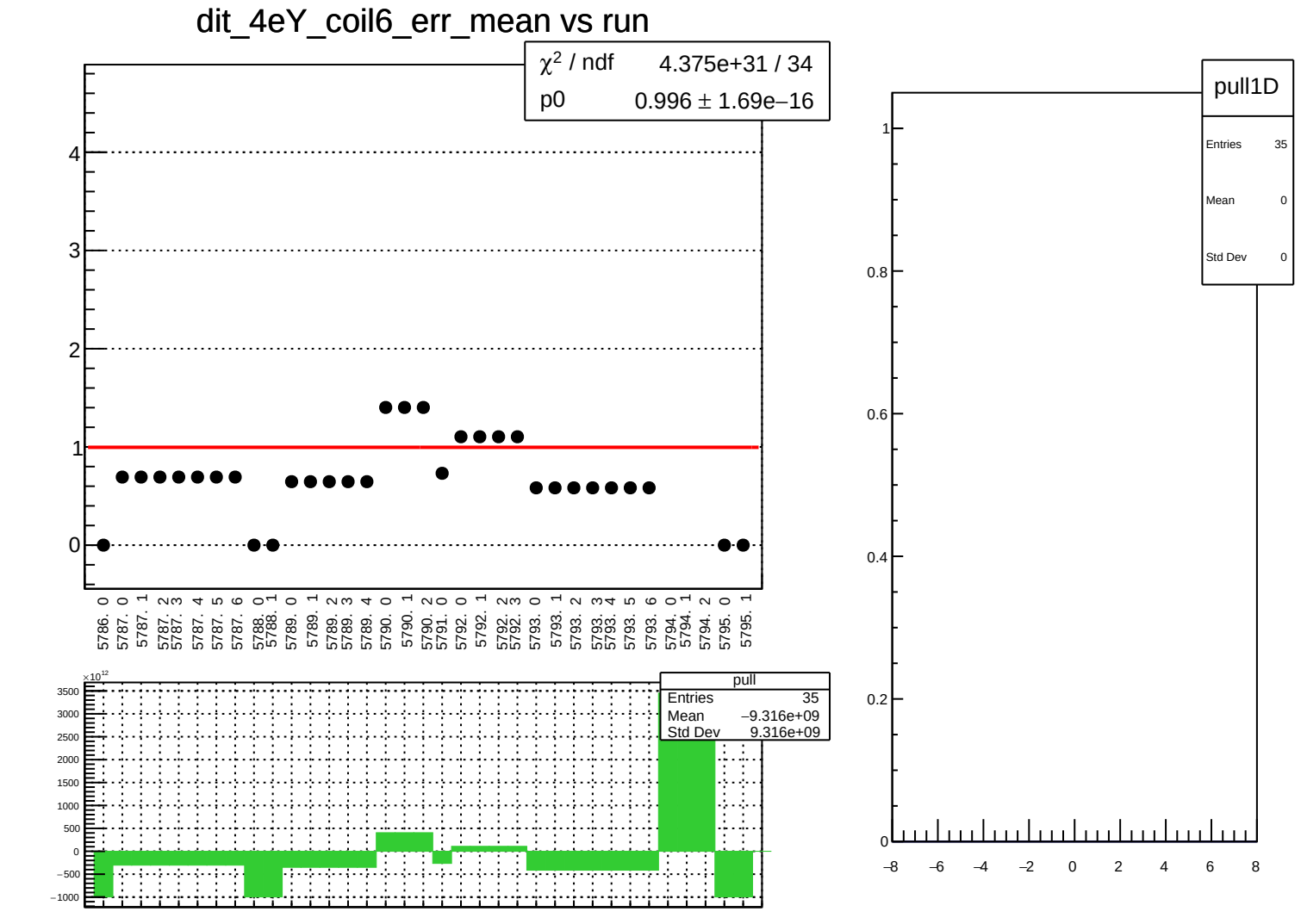

dit_4aY_coil6_err_mean vs run
χ² / ndf 3.239e+31 / 34
p0 0.9785 ± 1.69e−16
pull
Entries 35
Mean 1.347e+09
Std Dev 1.347e+09
pull1D
Entries 35
Mean 0
Std Dev 0

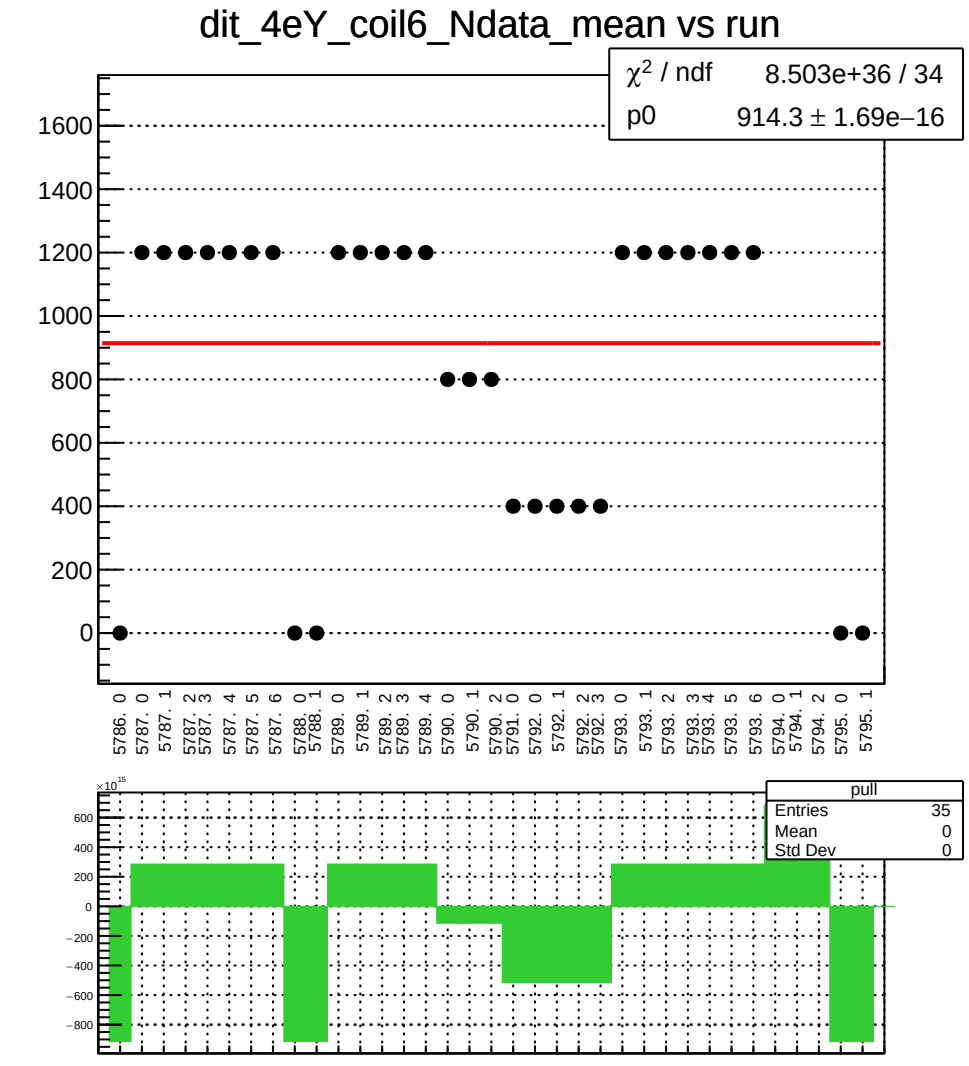

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

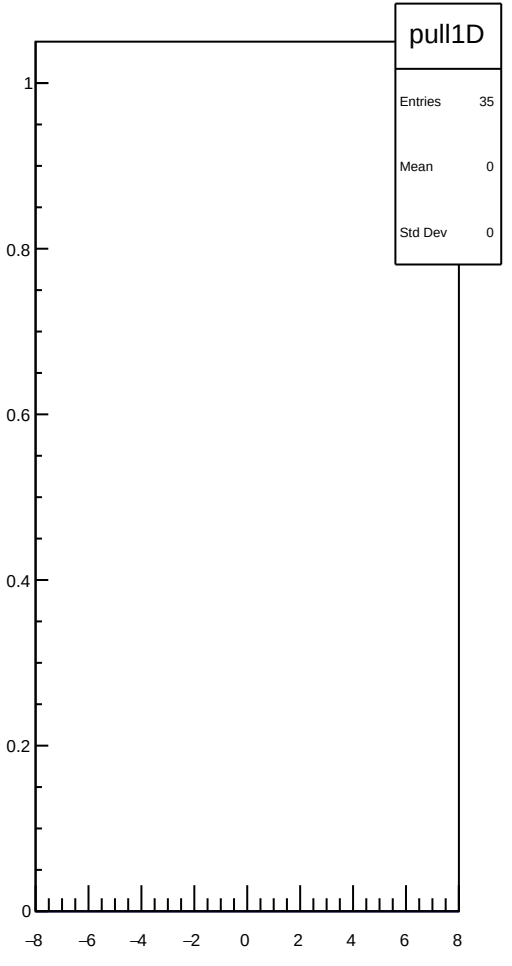

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

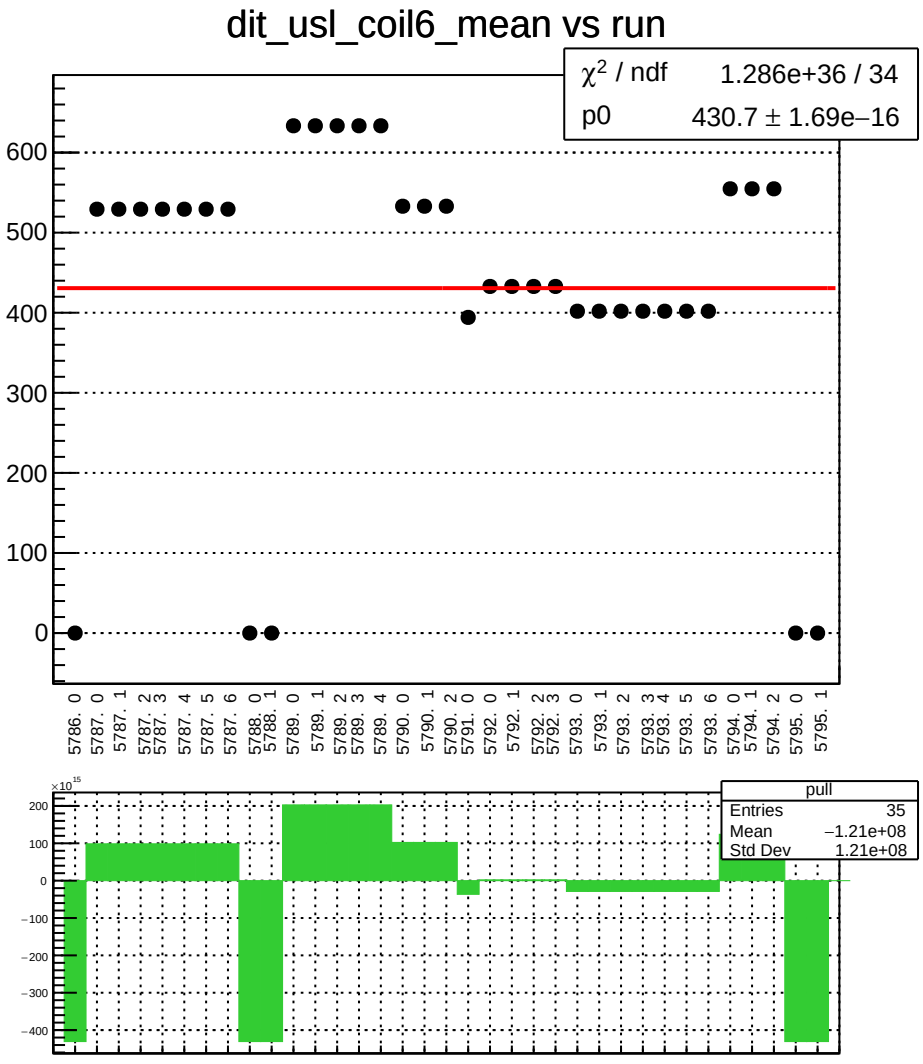

dit_4eY_coil6_mean vs run
χ² / ndf 7.208e+33 / 34
p0 35.15 ± 1.69e−16
45
40
35
30
25
20
15
10
5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
5
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 35
Mean 7.15e+07
Std Dev 7.15e+07

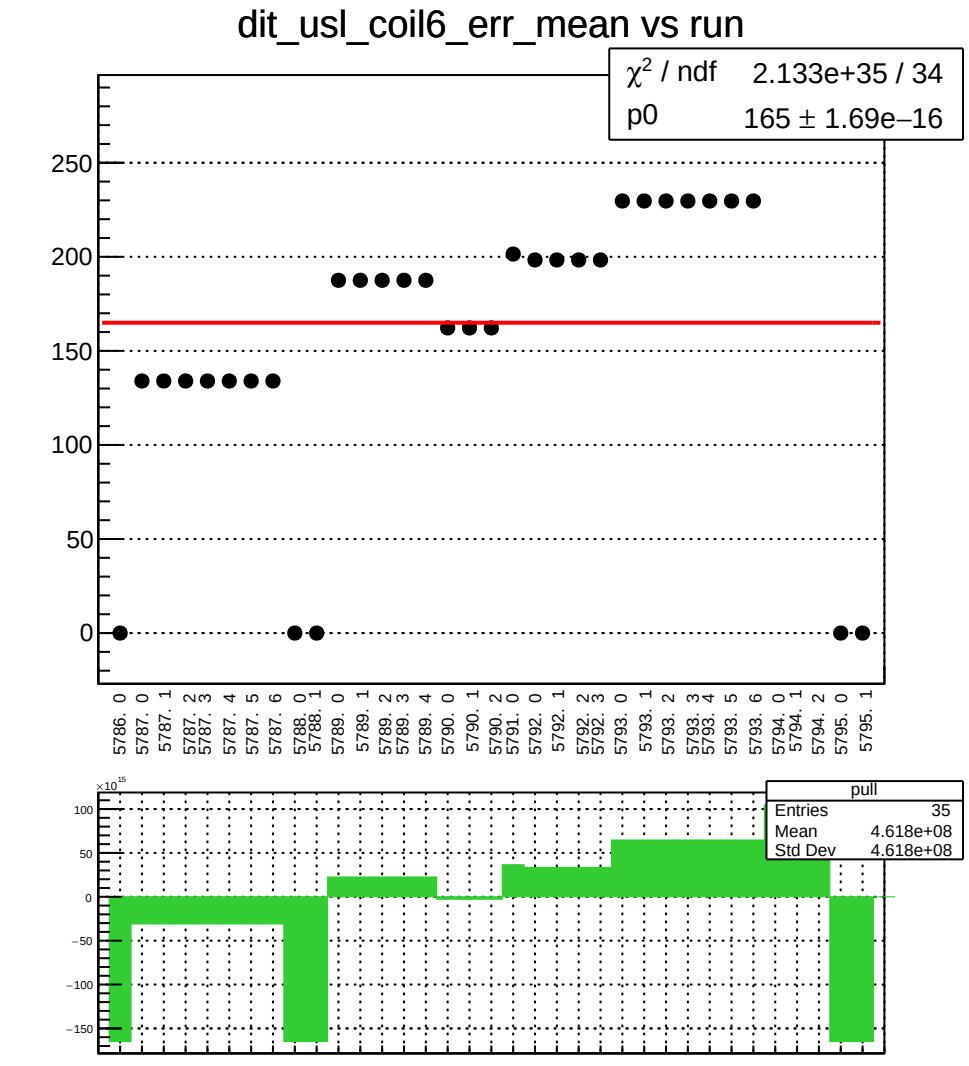

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

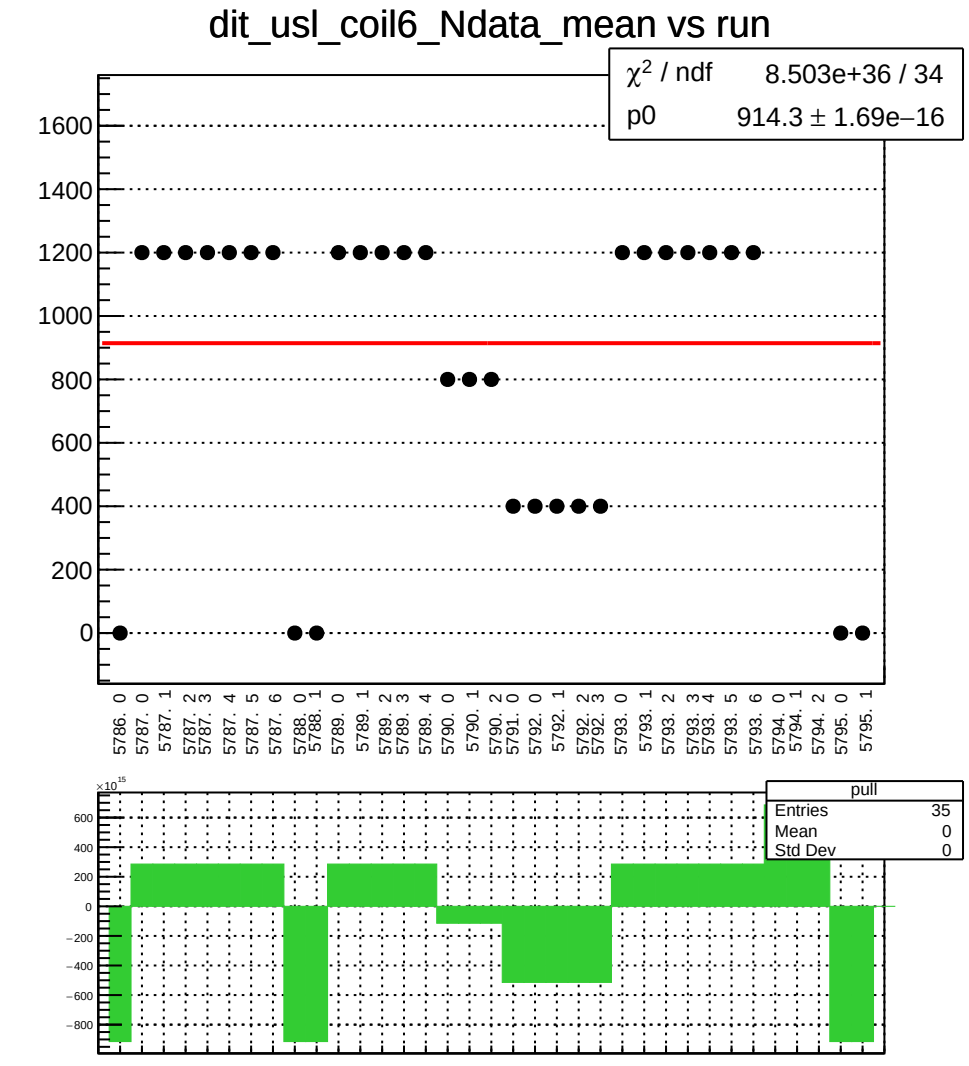

dit_4eY_coil6_err_mean vs run
χ² / ndf 4.375e+31 / 34
p0 0.996 ± 1.69e−16
pull
Entries 35
Mean −9.316e+09
Std Dev 9.316e+09
pull1D
Entries 35
Mean 0
Std Dev 0

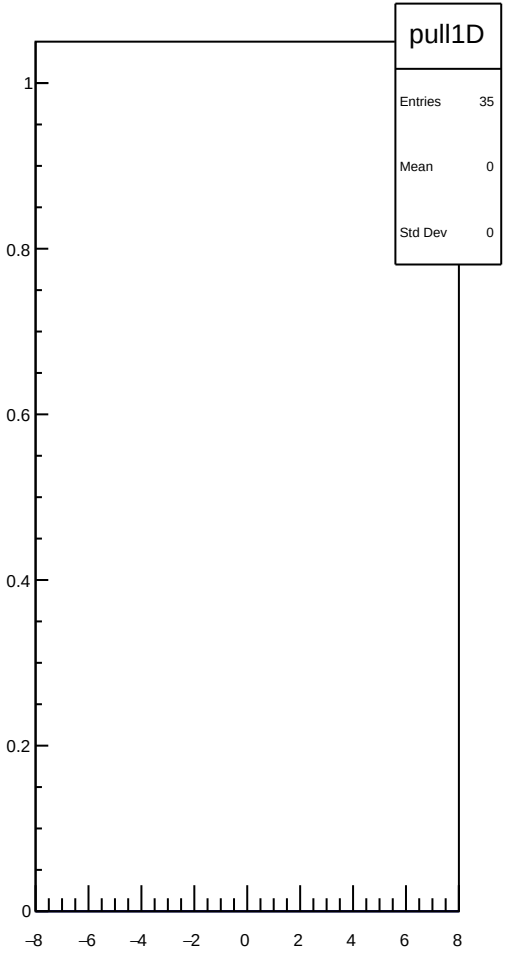

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

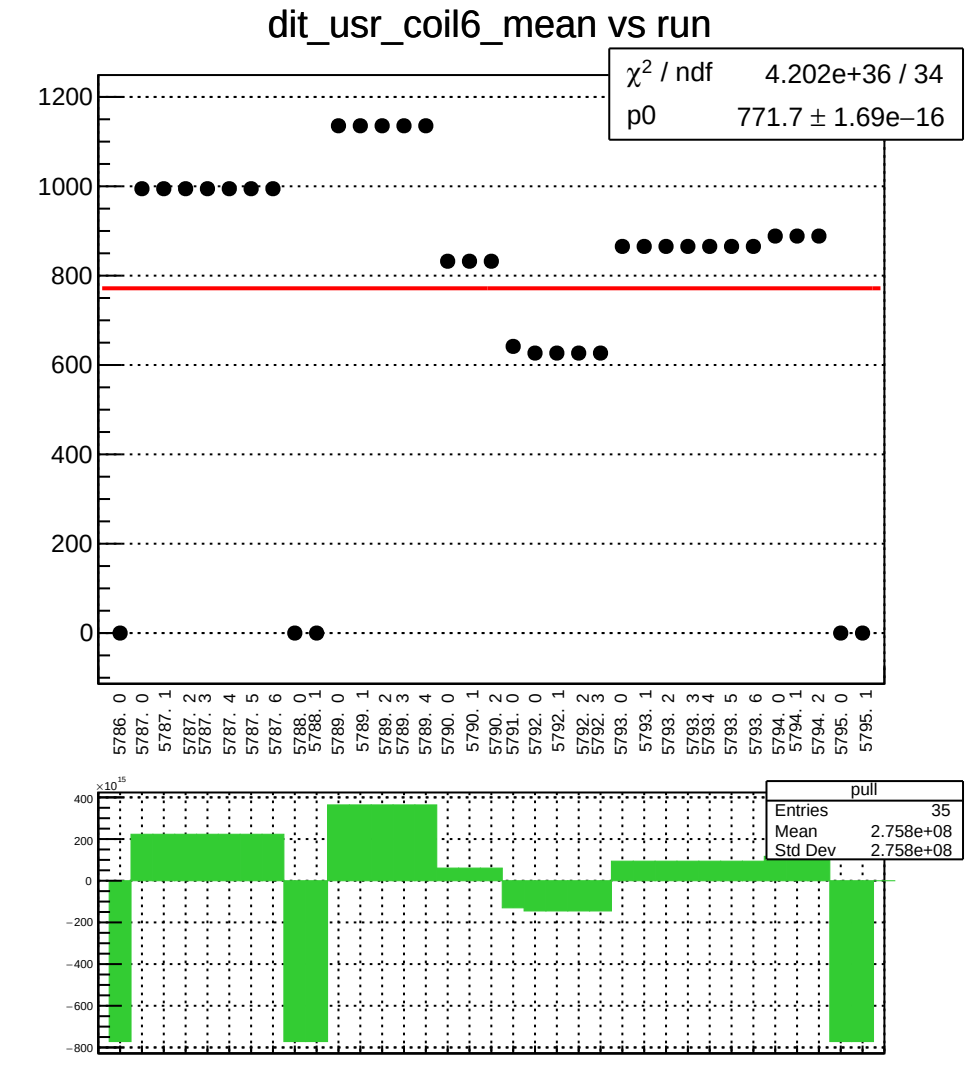

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

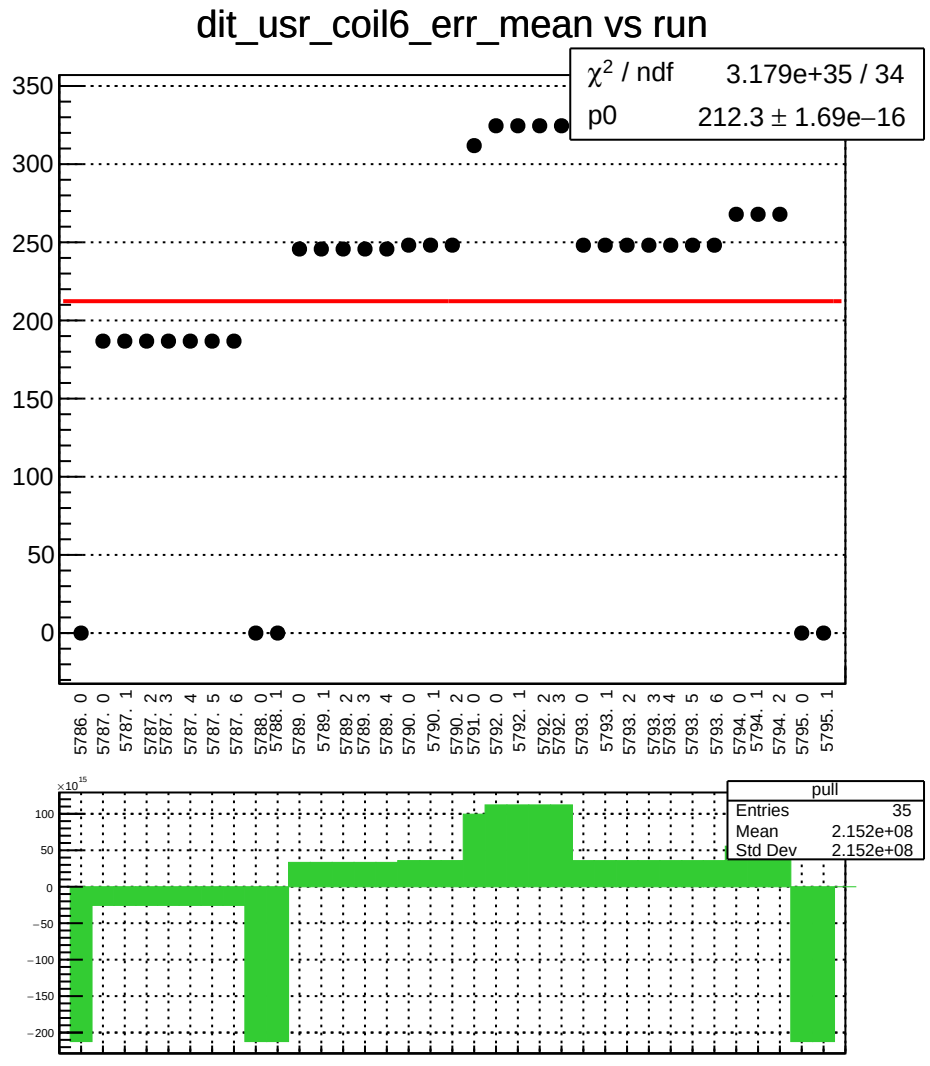

dit_usl_coil6_mean vs run
χ² / ndf 1.286e+36 / 34
p0 430.7 ± 1.69e−16
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
−400
pull
Entries 35
Mean −1.21e+08
Std Dev 1.21e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

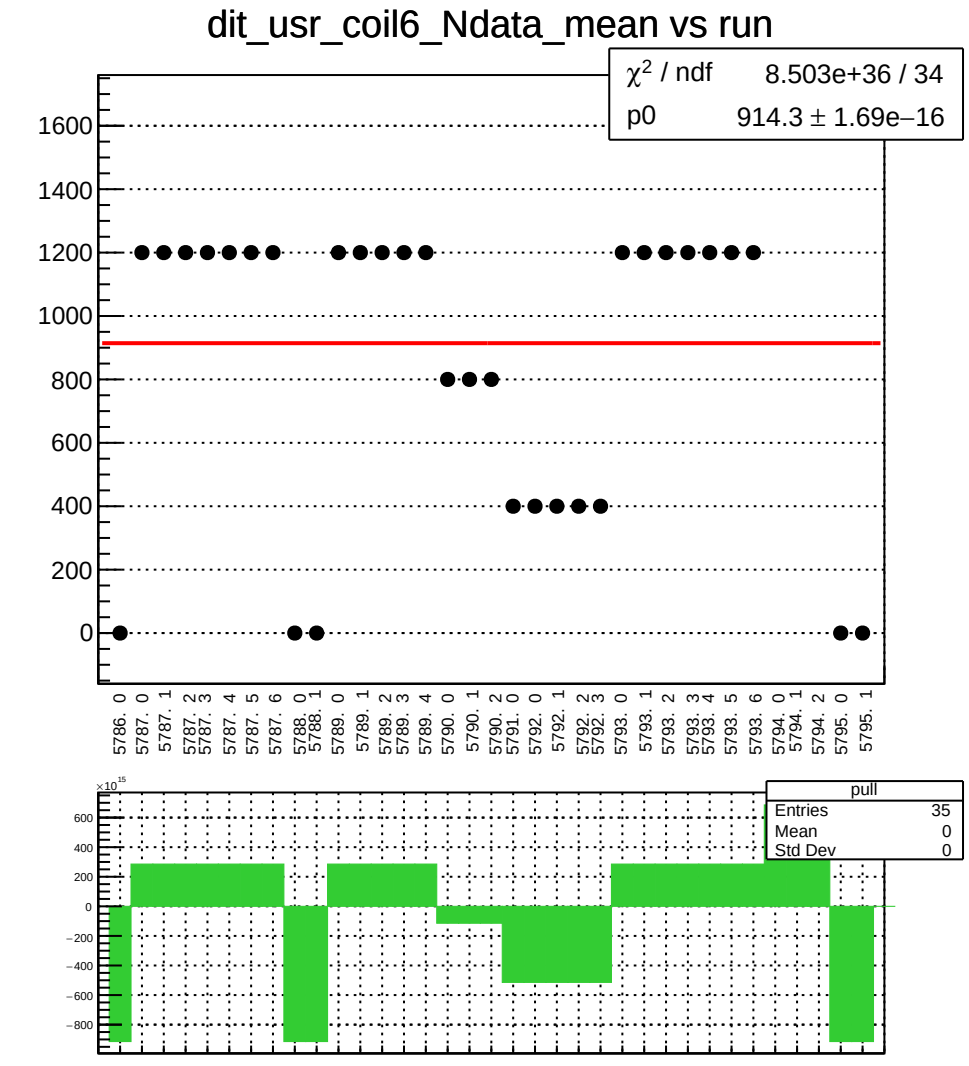

dit_usl_coil6_err_mean vs run
χ² / ndf 2.133e+35 / 34
p0 165 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean 4.618e+08
Std Dev 4.618e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

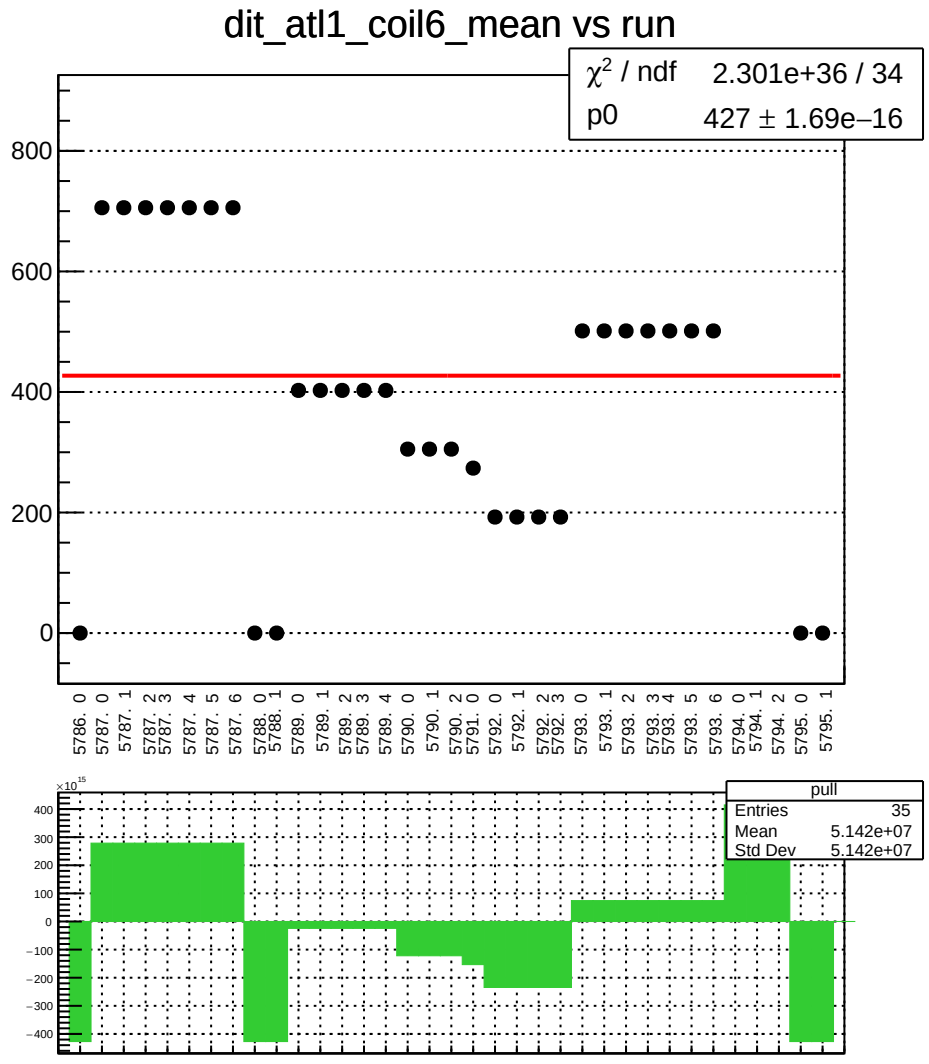

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

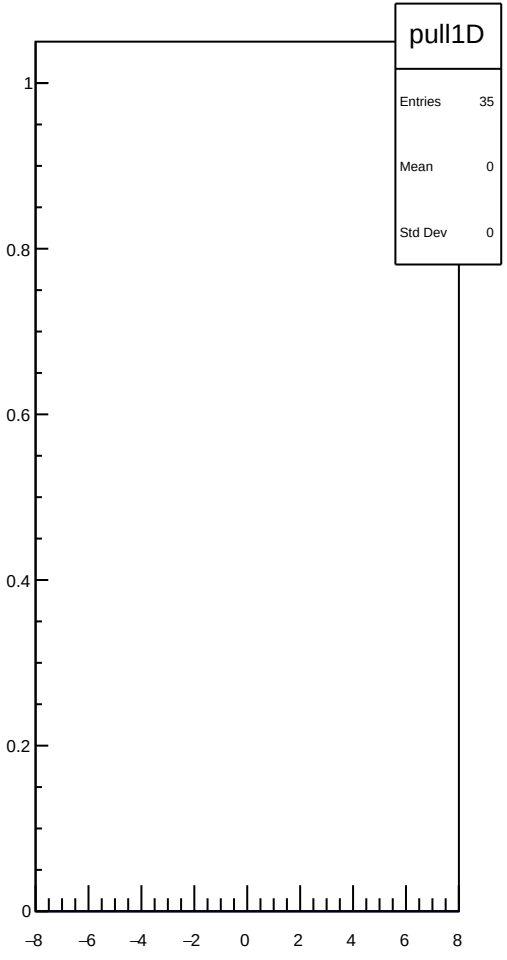

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

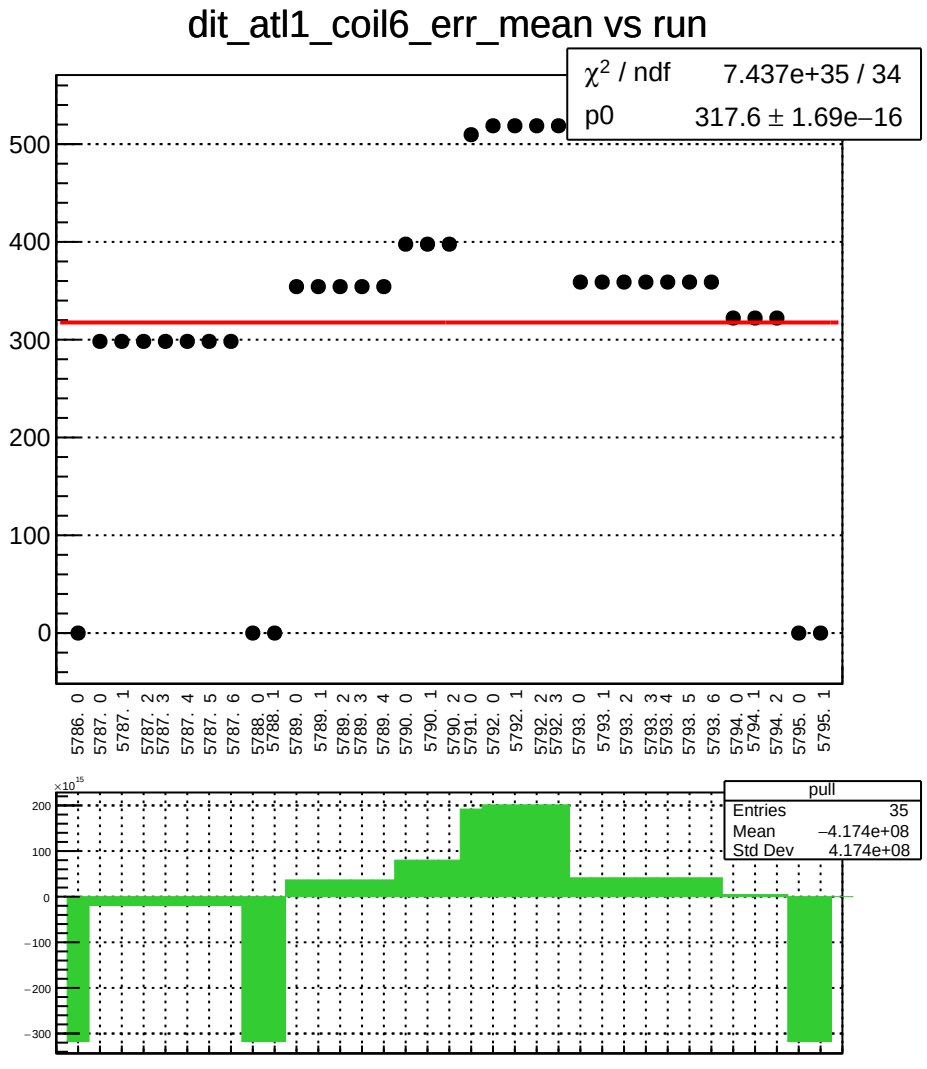

dit_usr_coil6_mean vs run
χ² / ndf 4.202e+36 / 34
p0 771.7 ± 1.69e−16
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 2.758e+08
Std Dev 2.758e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

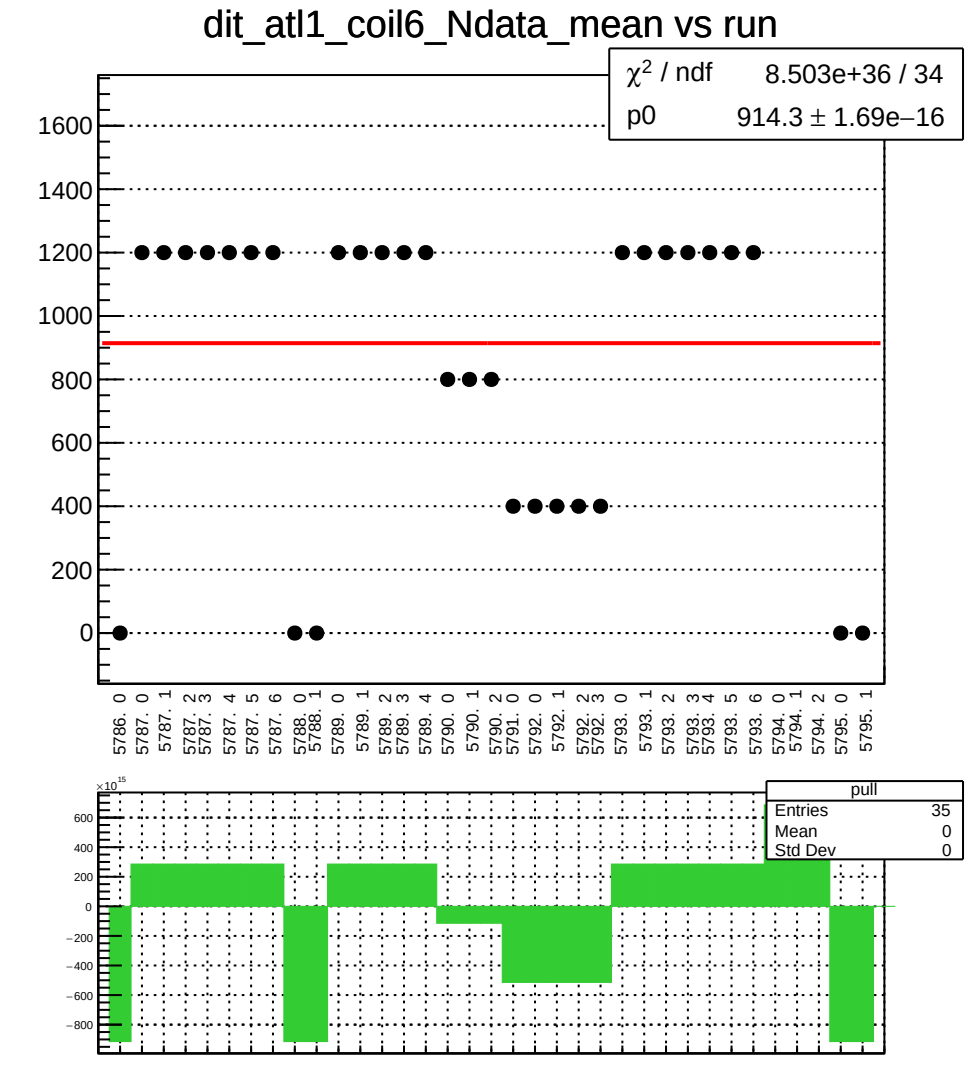

dit_usr_coil6_err_mean vs run
χ² / ndf 3.179e+35 / 34
p0 212.3 ± 1.69e−16
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
−150
−200
pull
Entries 35
Mean 2.152e+08
Std Dev 2.152e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

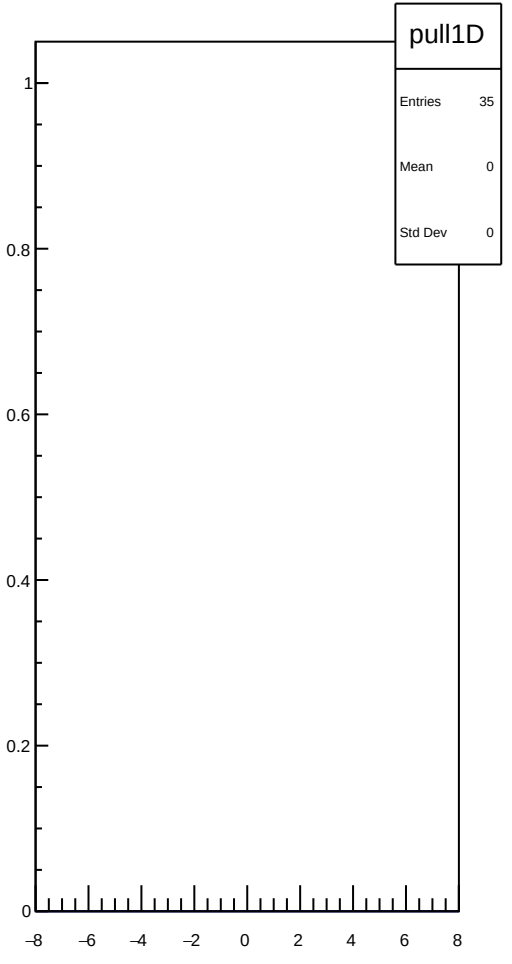

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

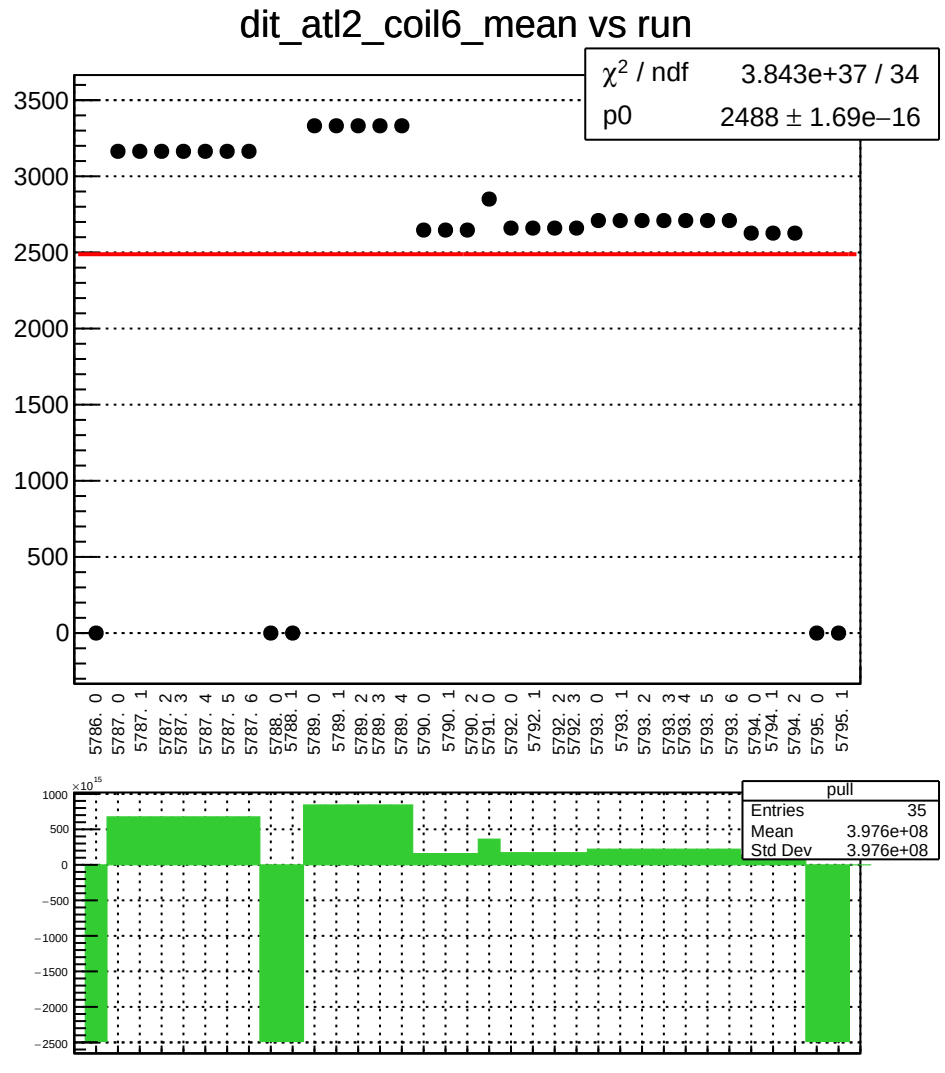

dit_atl1_coil6_mean vs run
χ² / ndf 2.301e+36 / 34
p0 427 ± 1.69e−16
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 35
Mean 5.142e+07
Std Dev 5.142e+07

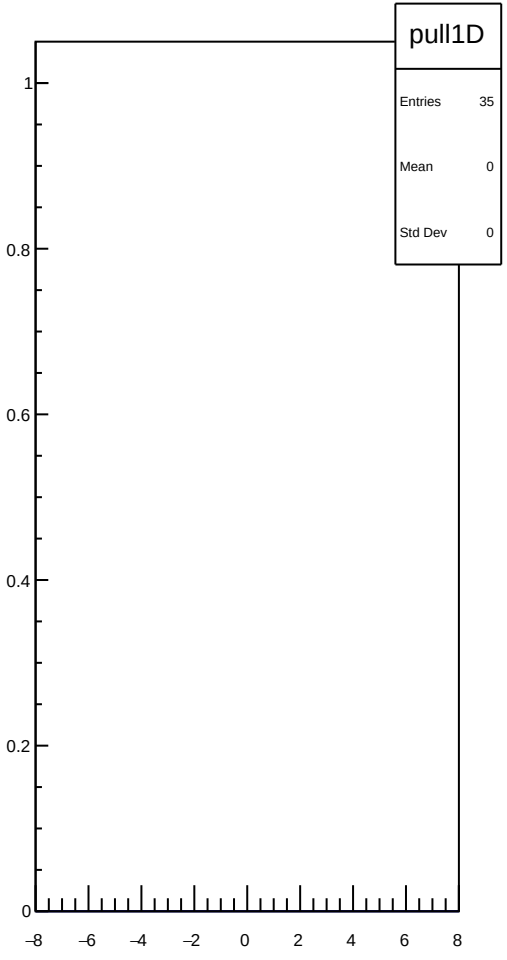

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

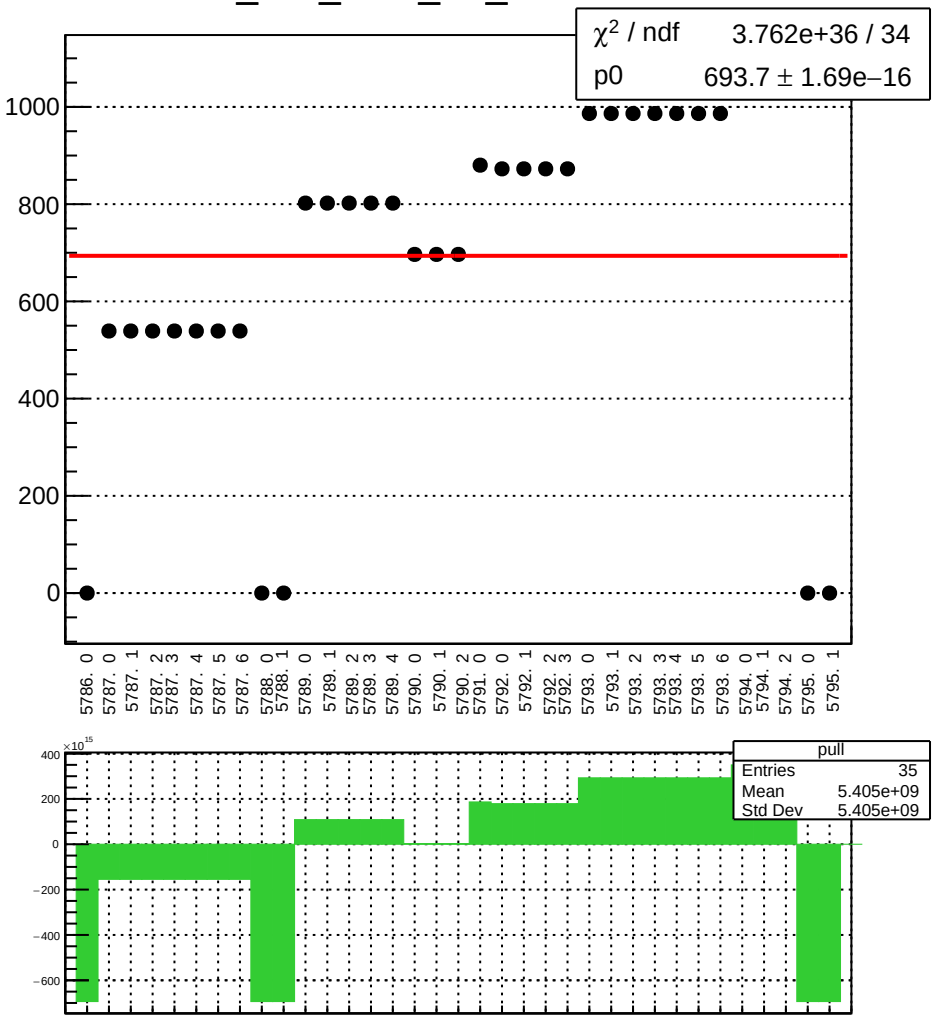

dit_atl1_coil6_err_mean vs run
χ² / ndf 7.437e+35 / 34
p0 317.6 ± 1.69e−16
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
pull
Entries 35
Mean −4.174e+08
Std Dev 4.174e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

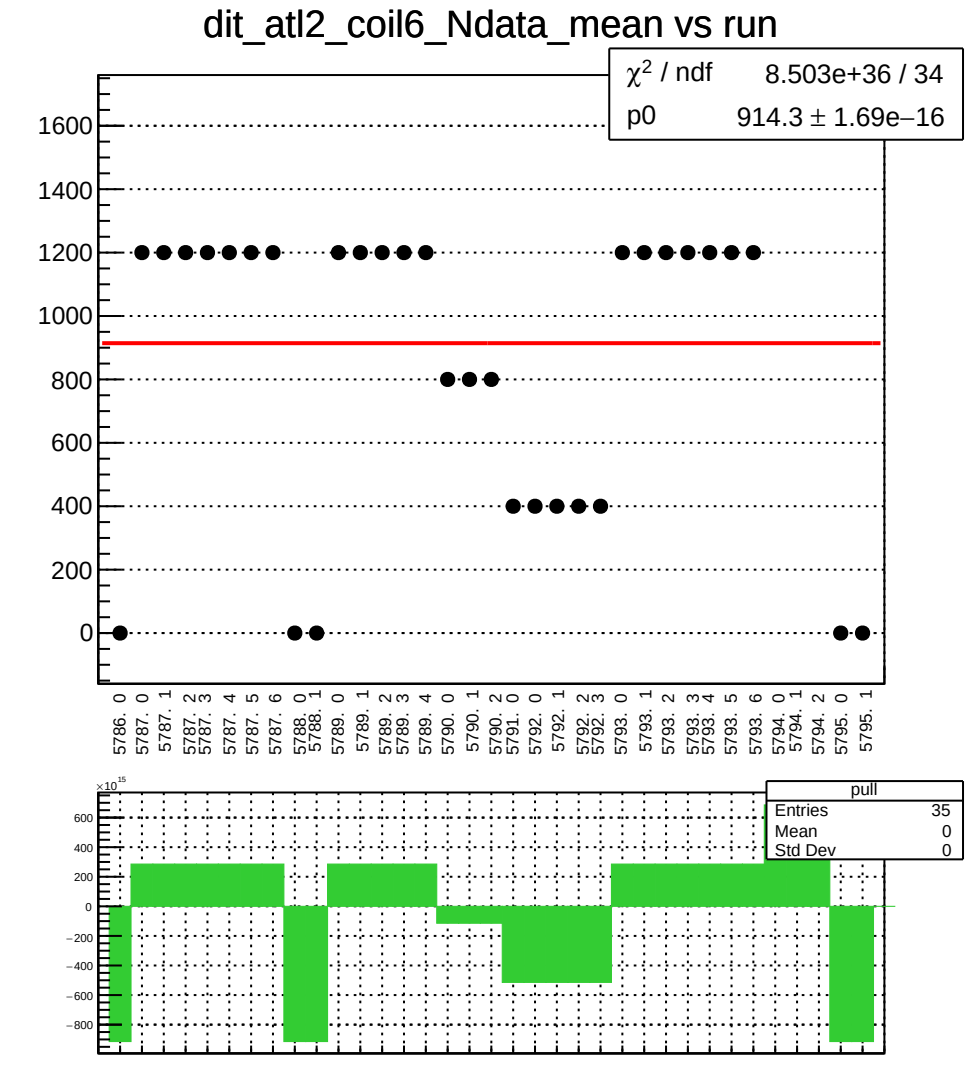

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

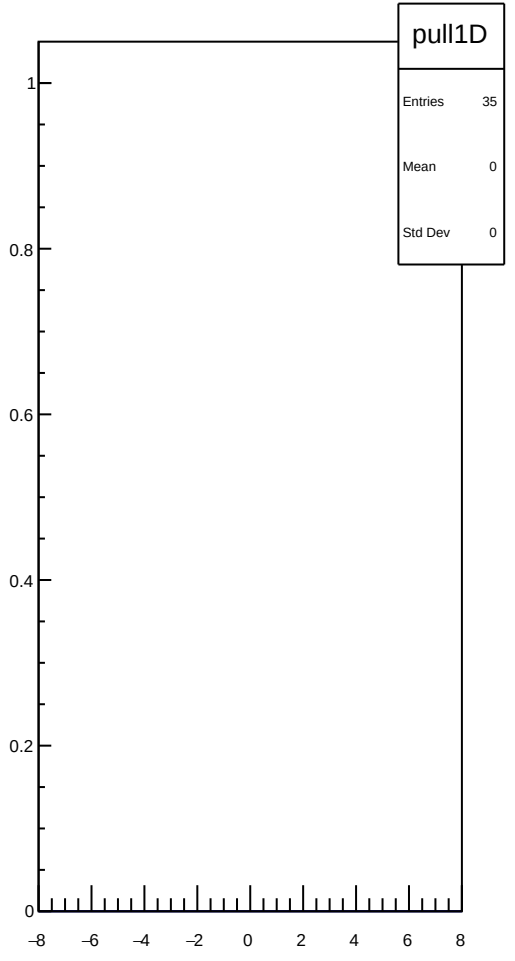

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

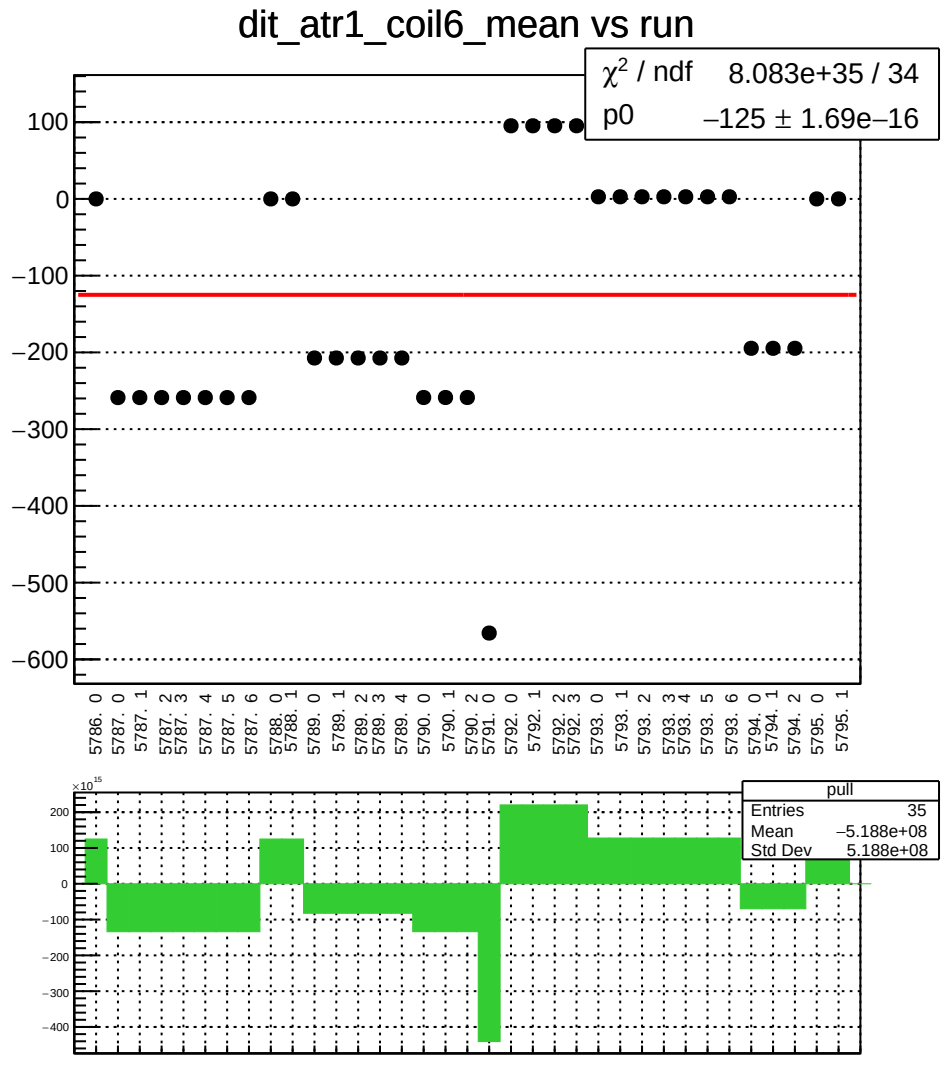

dit_atl2_coil6_mean vs run
χ² / ndf 3.843e+37 / 34
p0 2488 ± 1.69e−16
3500
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 35
Mean 3.976e+08
Std Dev 3.976e+08

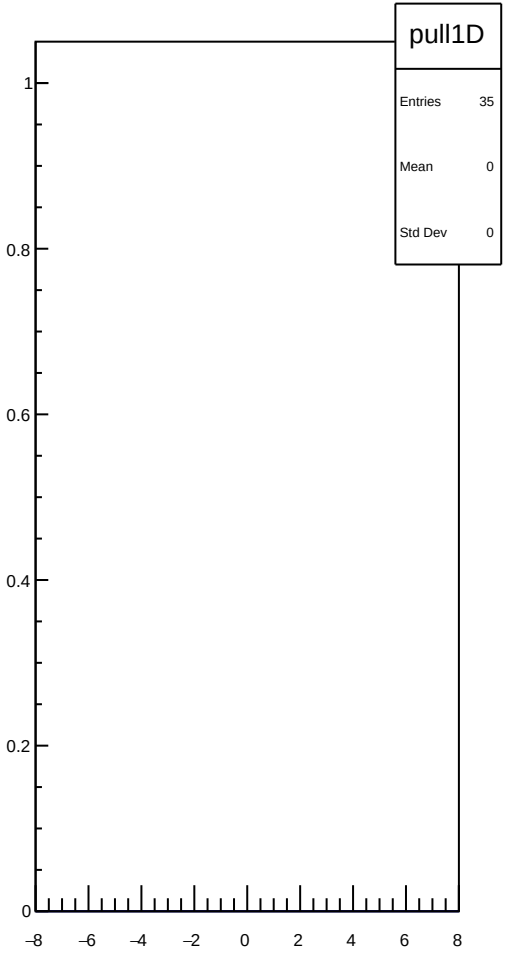

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

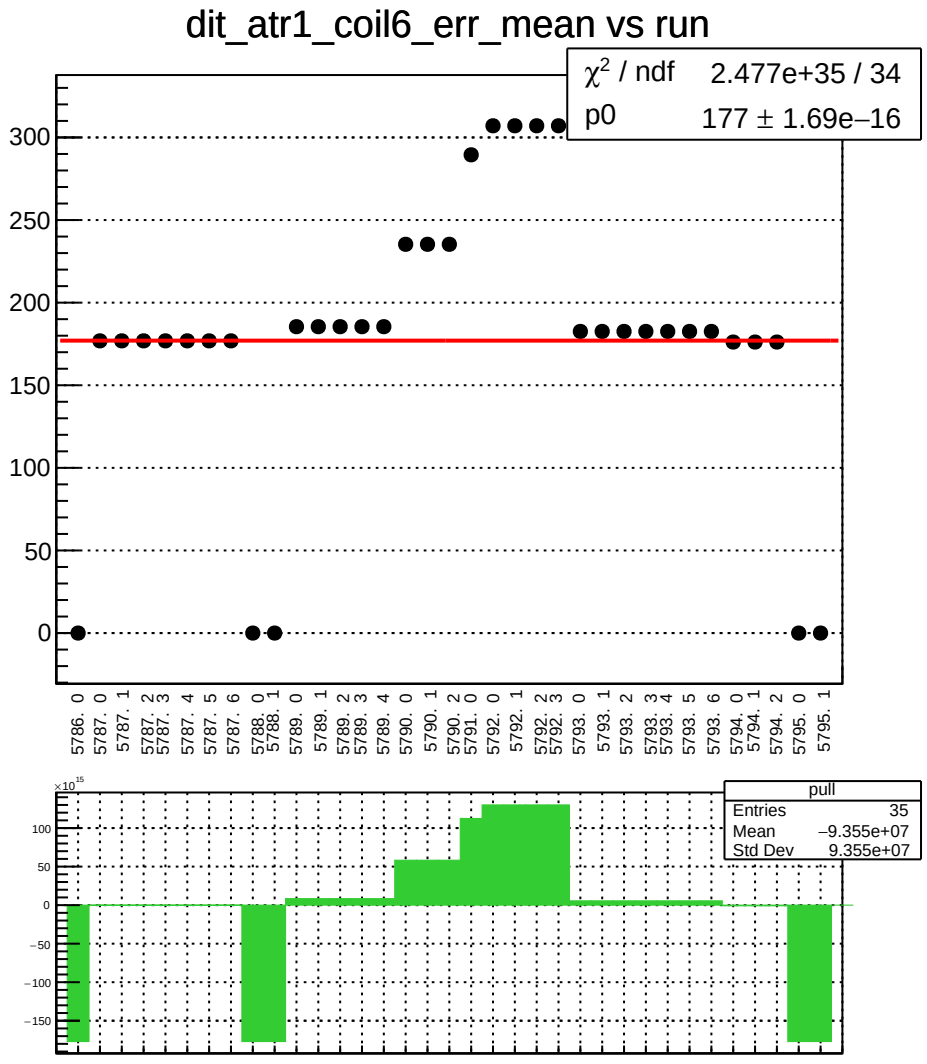

dit_atl2_coil6_err_mean vs run
χ² / ndf 3.762e+36 / 34
p0 693.7 ± 1.69e−16
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 35
Mean 5.405e+09
Std Dev 5.405e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

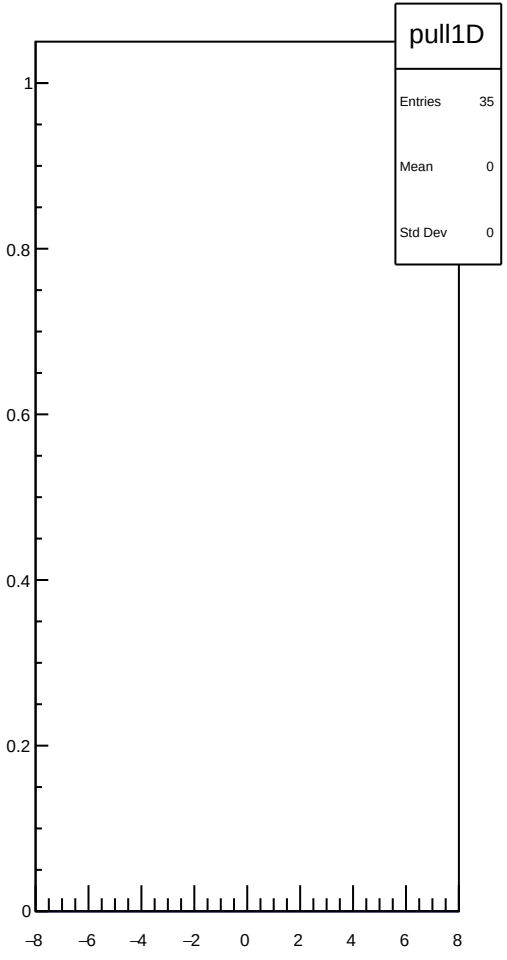

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

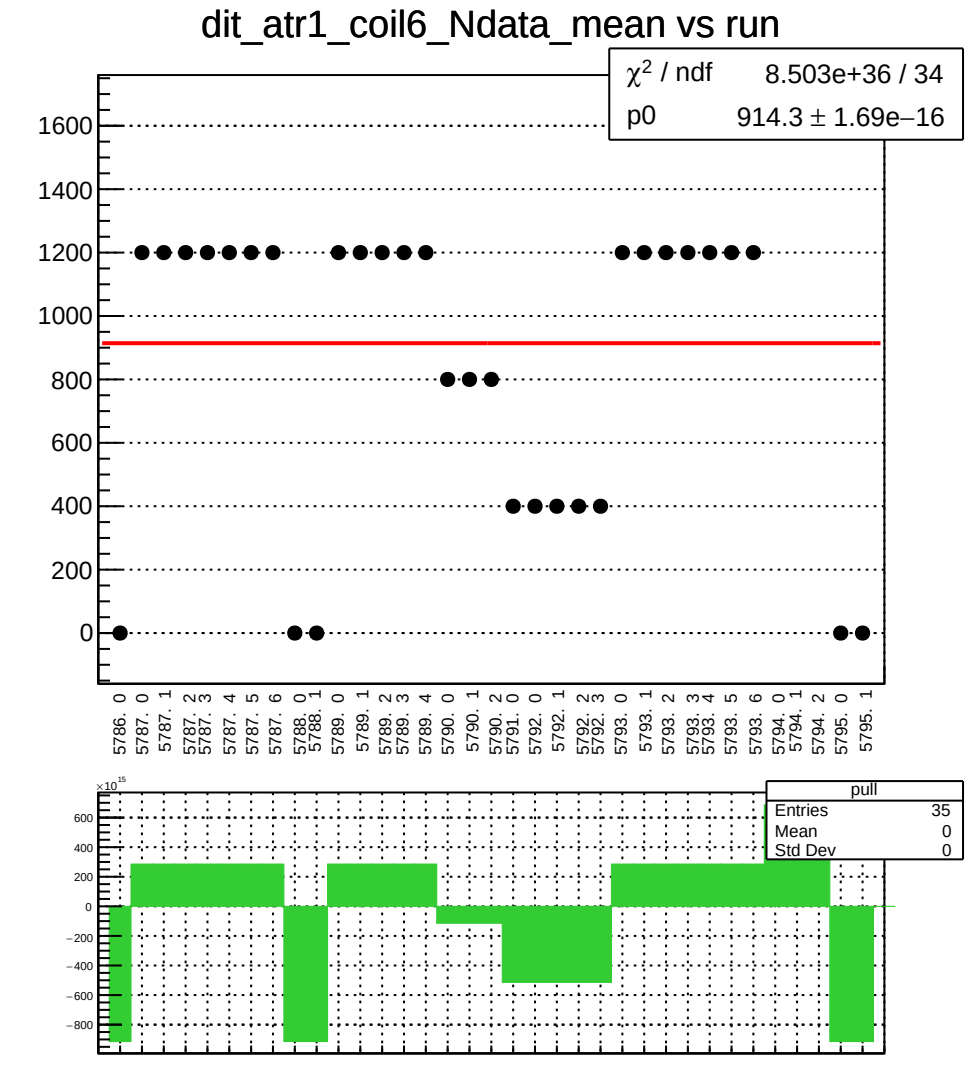

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

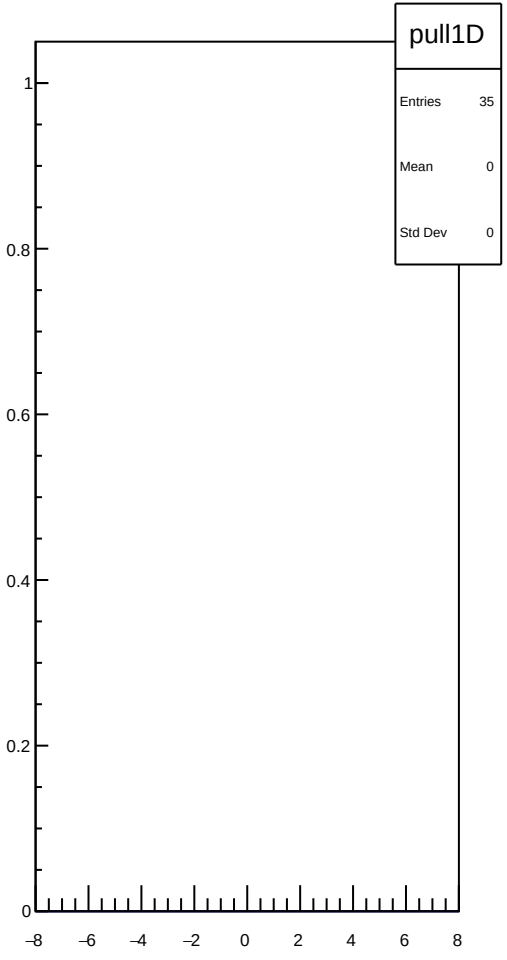

dit_atr1_coil6_mean vs run
χ² / ndf 8.083e+35 / 34
p0 −125 ± 1.69e−16
100
0
−100
−200
−300
−400
−500
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
100
0
−100
−200
−300
−400
pull
Entries 35
Mean −5.188e+08
Std Dev 5.188e+08

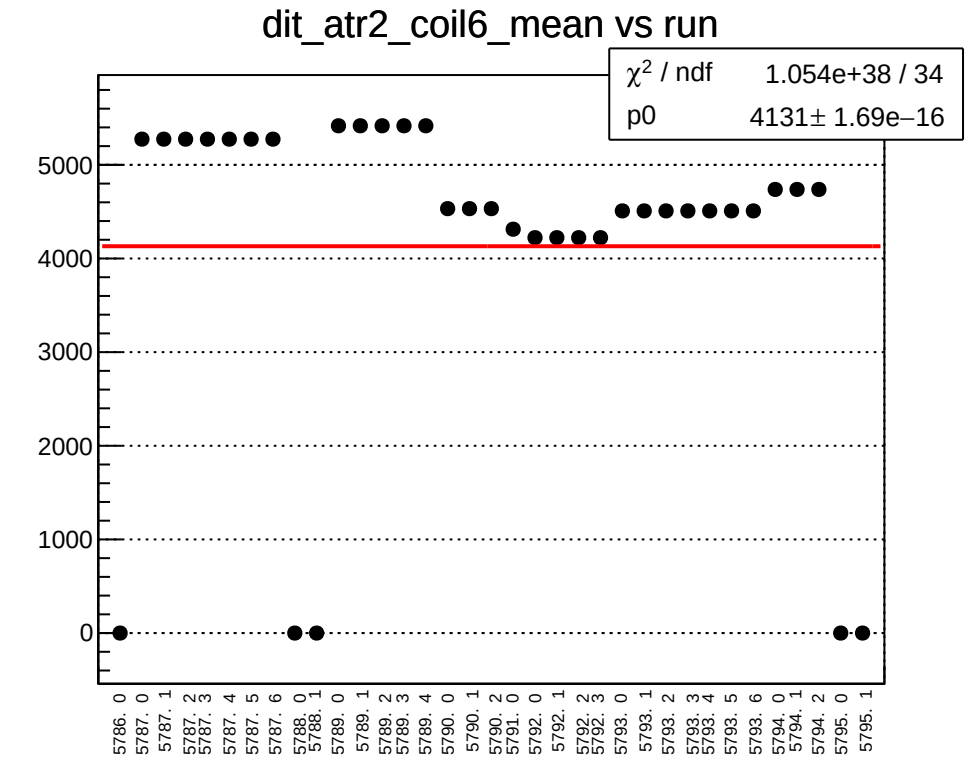

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

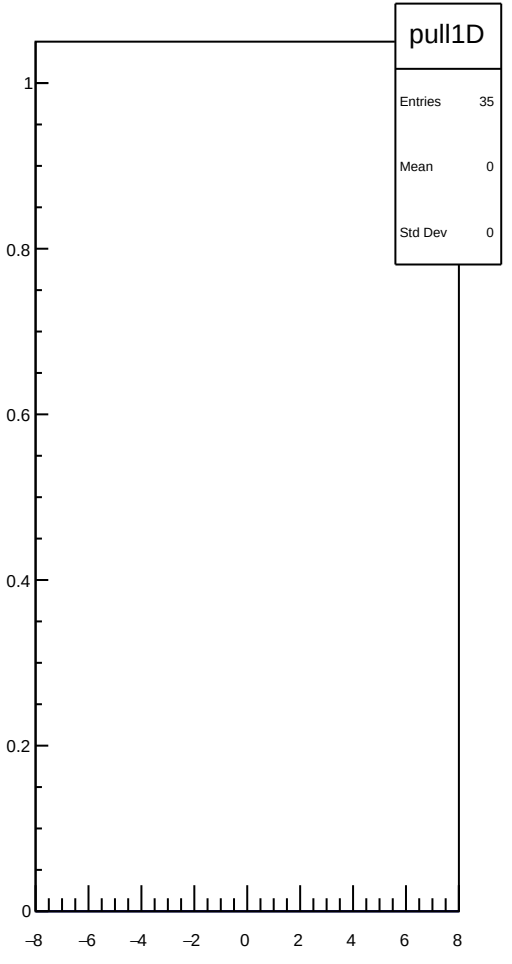

dit_atr1_coil6_err_mean vs run
χ² / ndf 2.477e+35 / 34
p0 177 ± 1.69e−16
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean −9.355e+07
Std Dev 9.355e+07

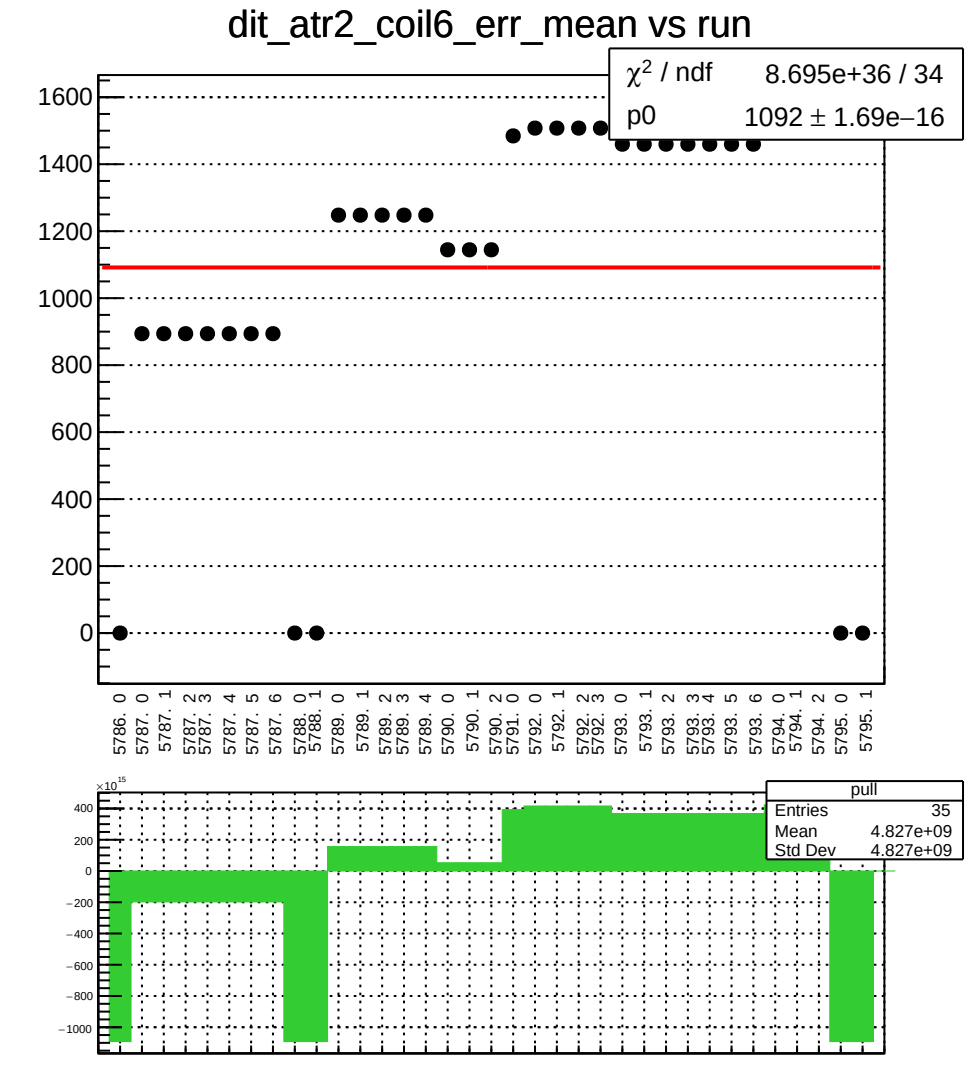

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

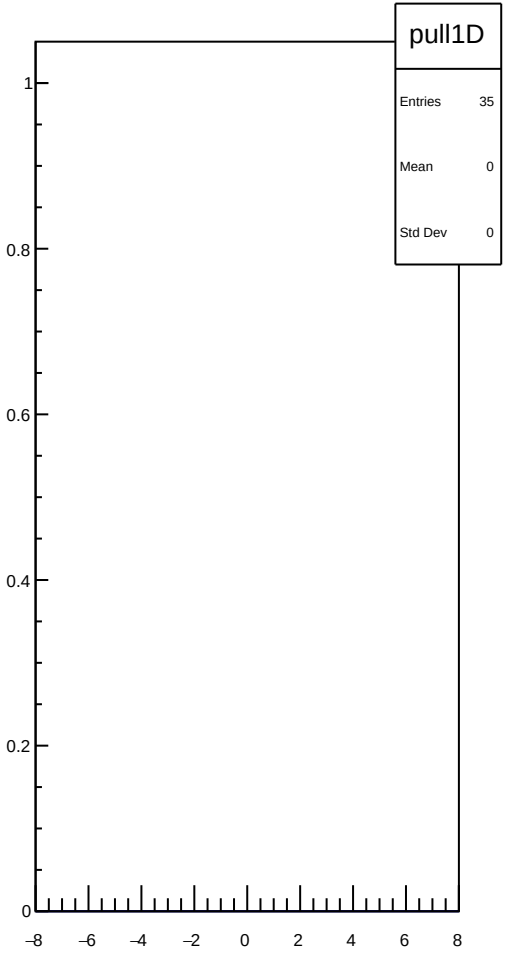

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

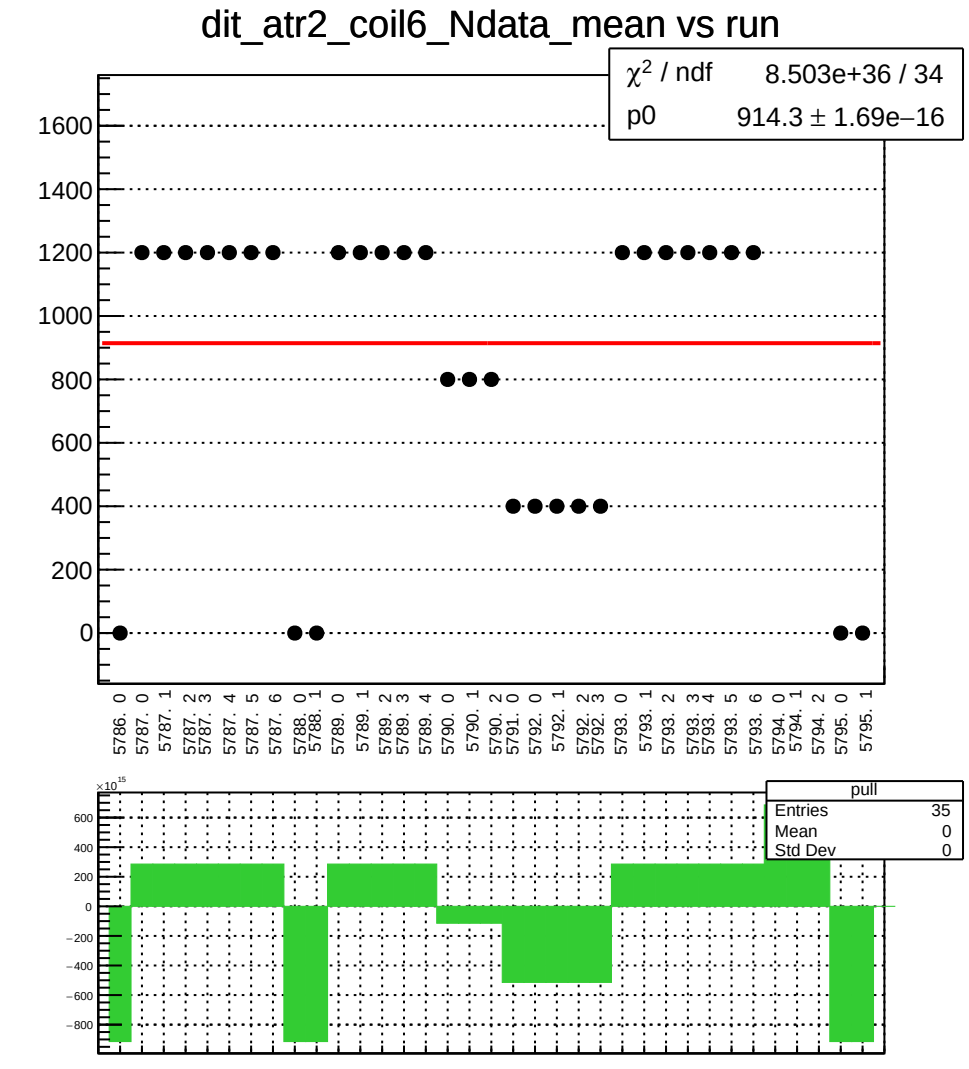

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

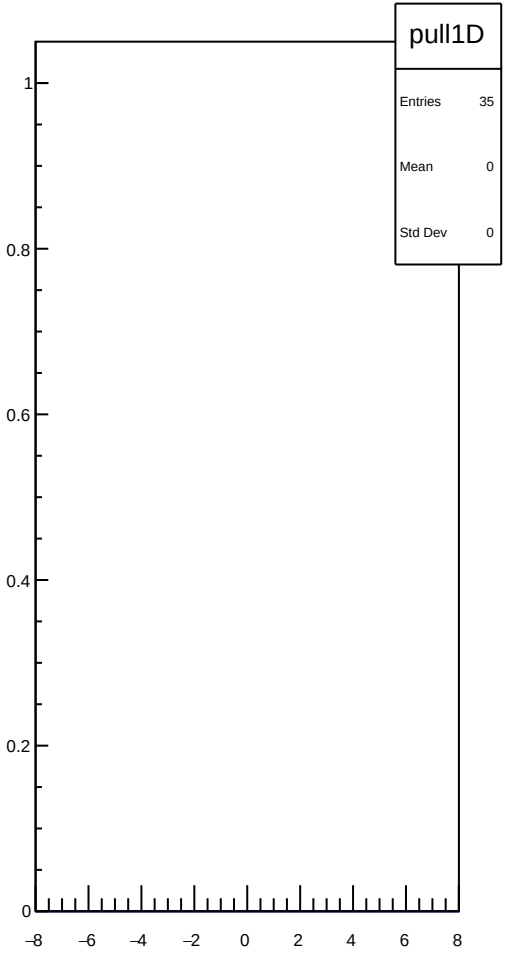

dit_atr2_coil6_mean vs run
χ² / ndf 1.054e+38 / 34
p0 4131± 1.69e−16
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean −1.144e+08
Std Dev 1.144e+08

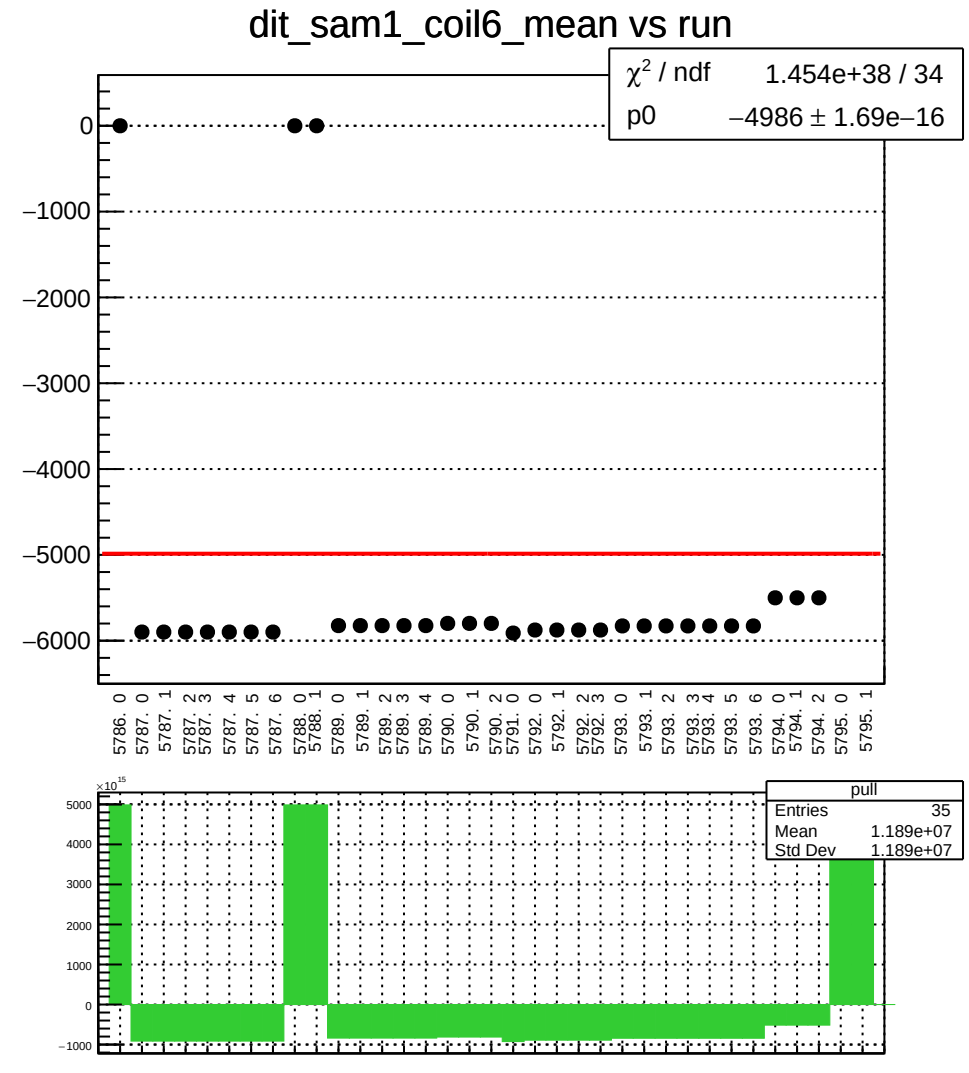

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

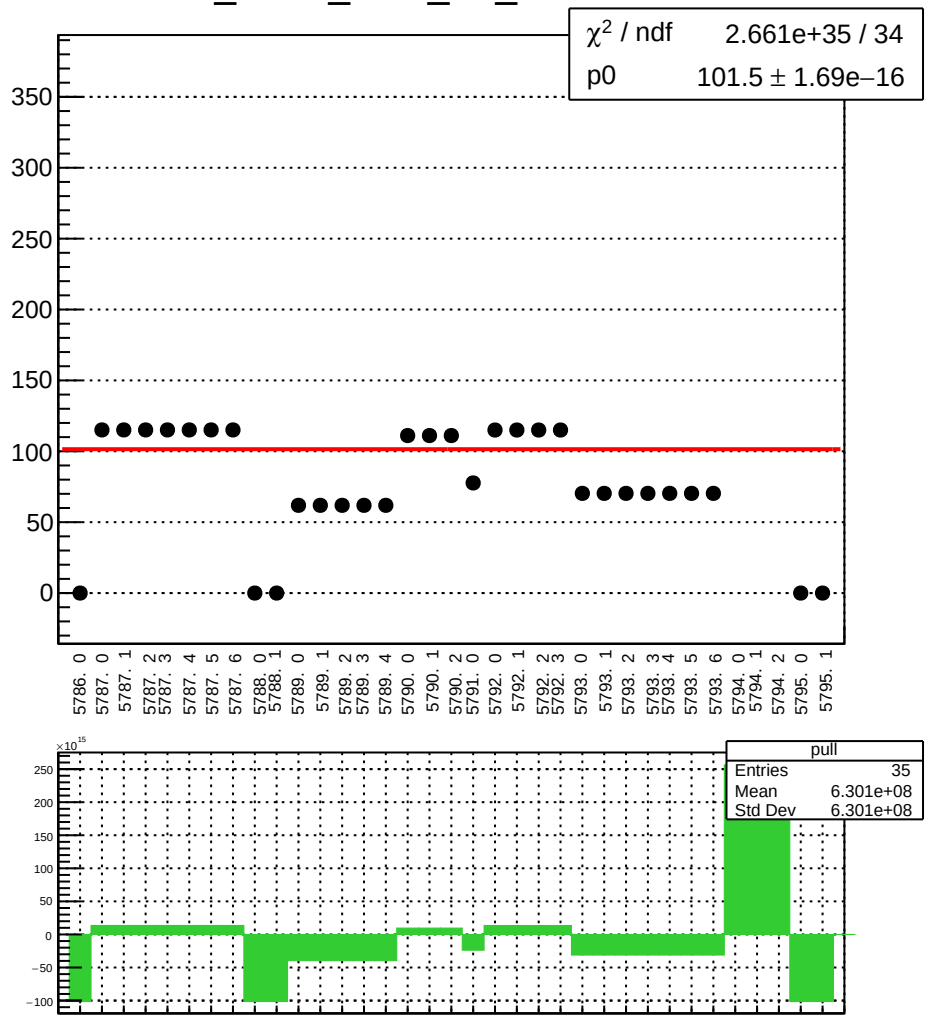

dit_atr2_coil6_err_mean vs run
χ² / ndf 8.695e+36 / 34
p0 1092 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10^15
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 35
Mean 4.827e+09
Std Dev 4.827e+09

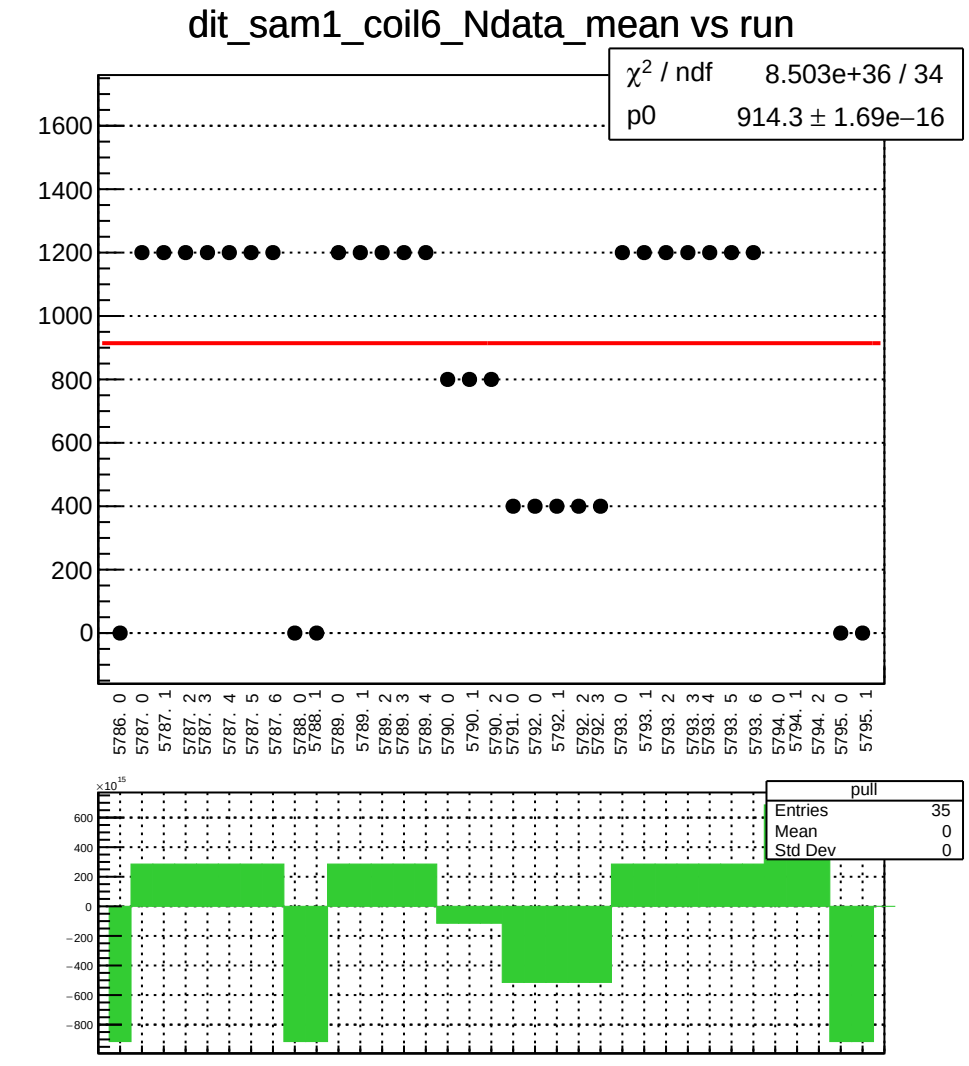

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

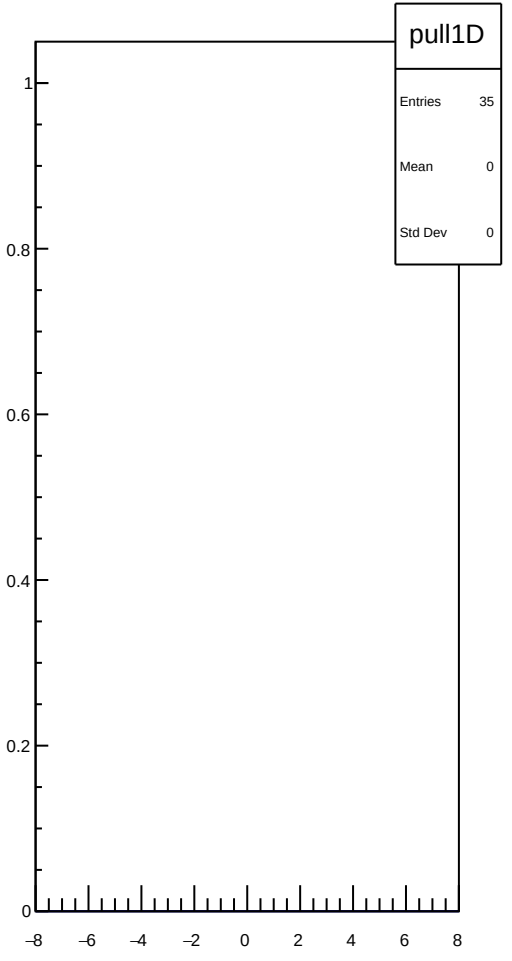

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

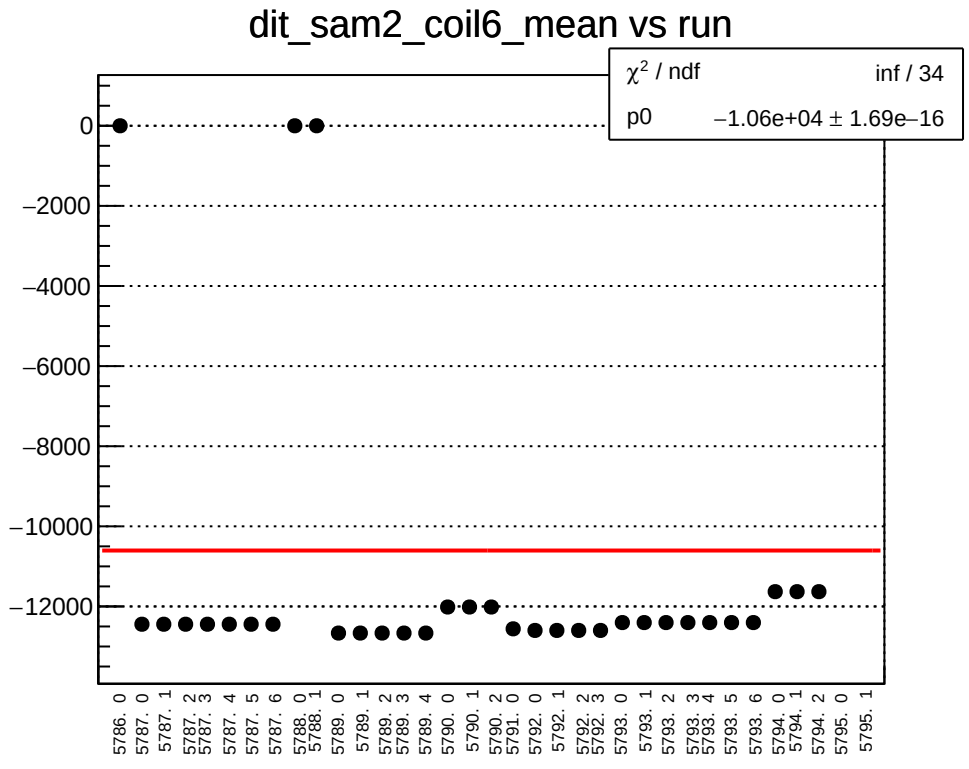

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

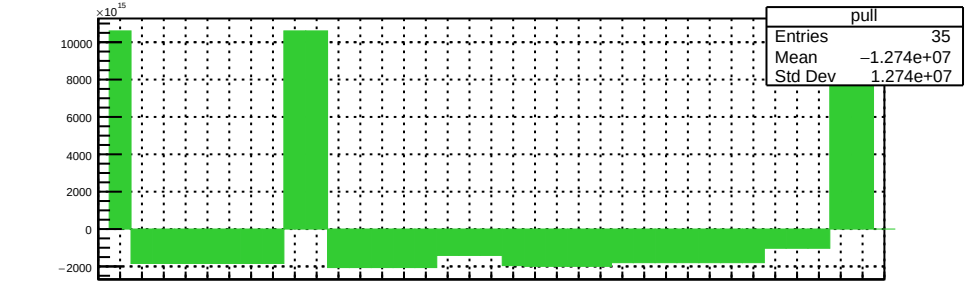

dit_sam1_coil6_mean vs run
χ² / ndf 1.454e+38 / 34
p0 −4986 ± 1.69e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull
Entries 35
Mean 1.189e+07
Std Dev 1.189e+07
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

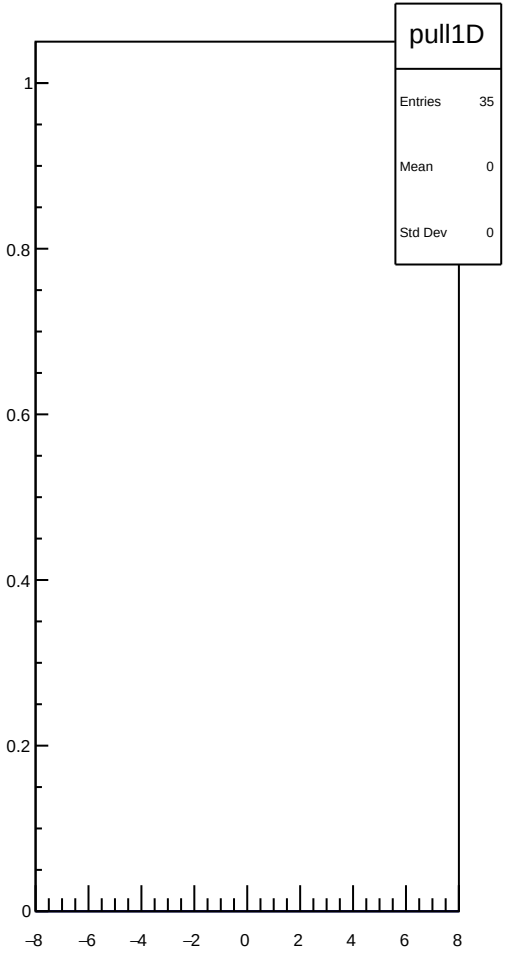

dit_sam1_coil6_err_mean vs run
χ² / ndf 2.661e+35 / 34
p0 101.5 ± 1.69e−16
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
250
200
150
100
50
0
−50
−100
pull
Entries 35
Mean 6.301e+08
Std Dev 6.301e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

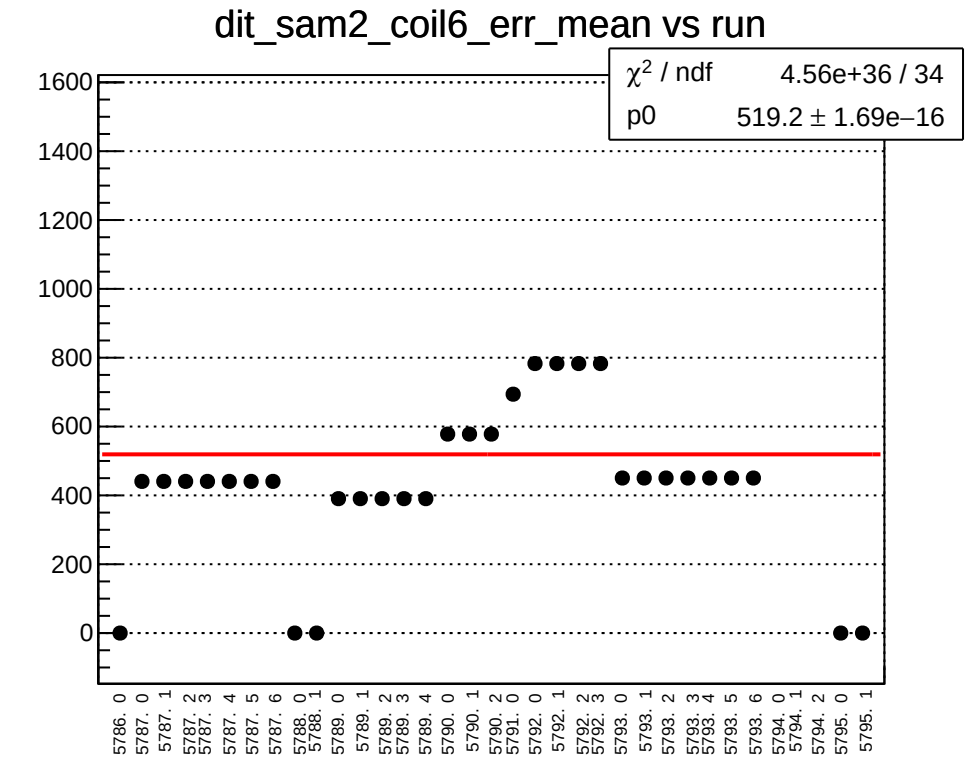

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

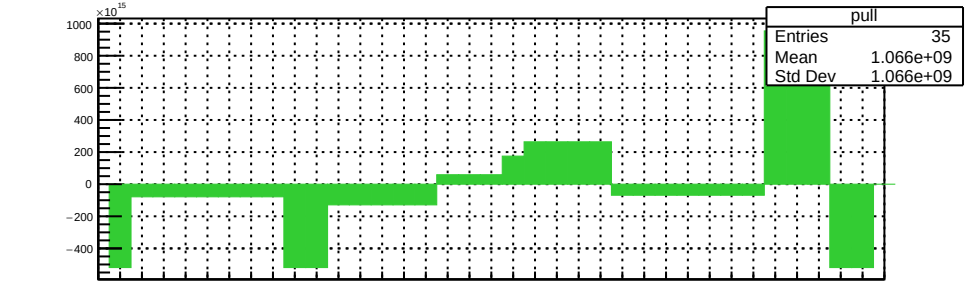

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

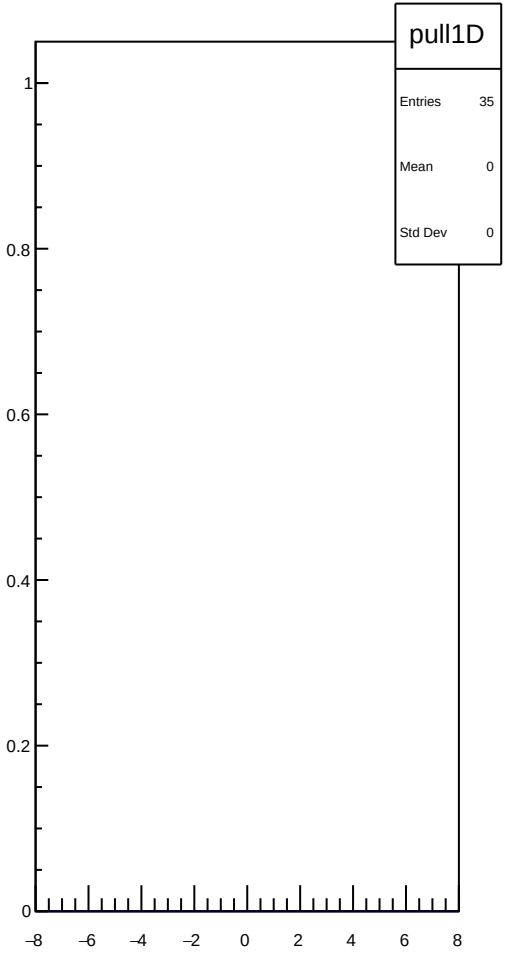

dit_sam2_coil6_mean vs run
χ² / ndf inf / 34
p0 −1.06e+04 ± 1.69e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

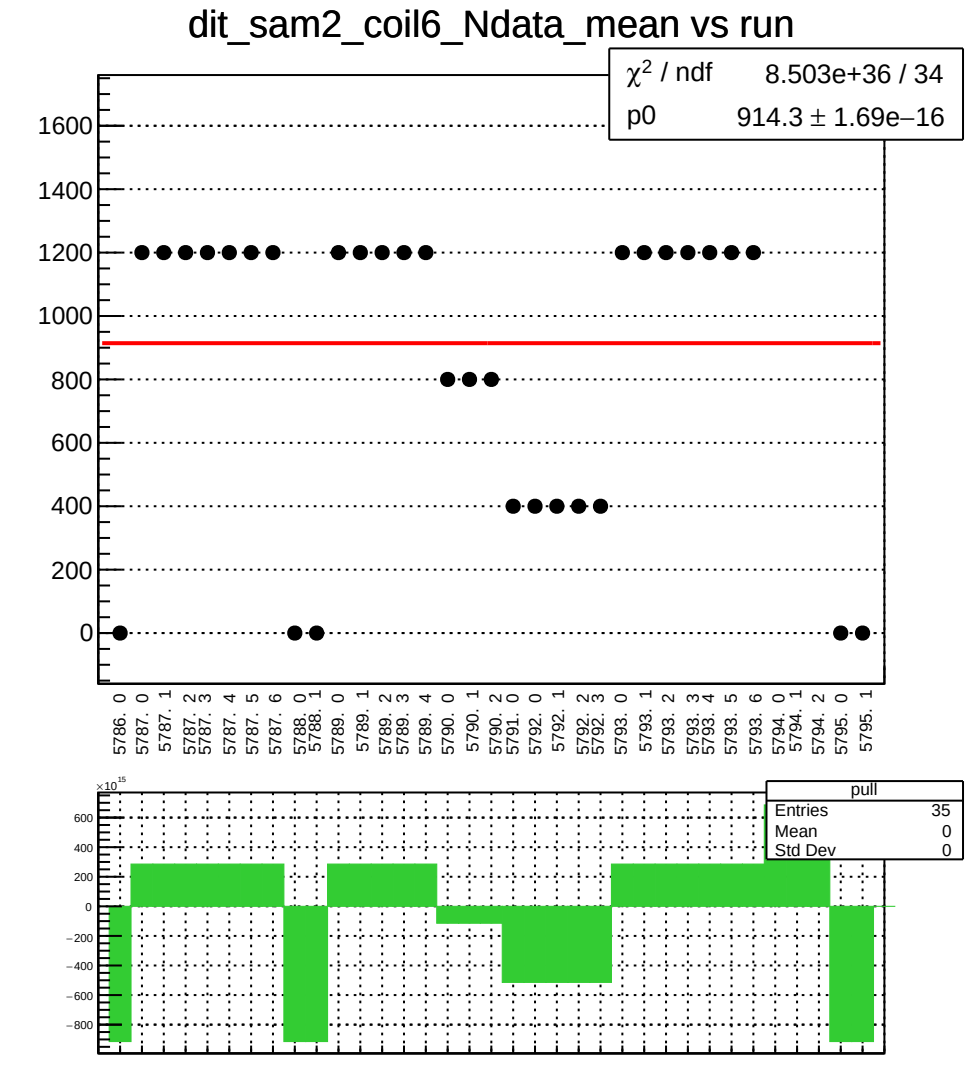

×10¹⁵
10000
8000
6000
4000
2000
0
−2000
pull
Entries 35
Mean −1.274e+07
Std Dev 1.274e+07

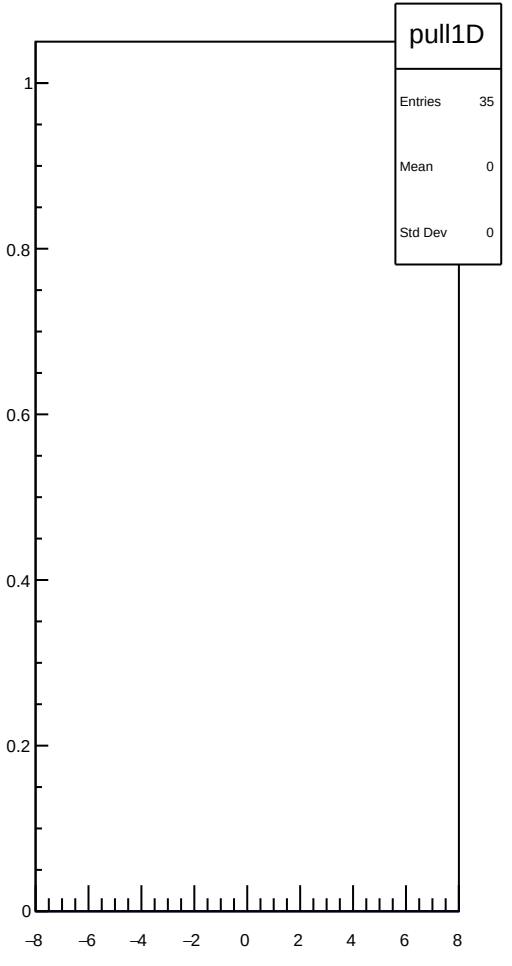

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

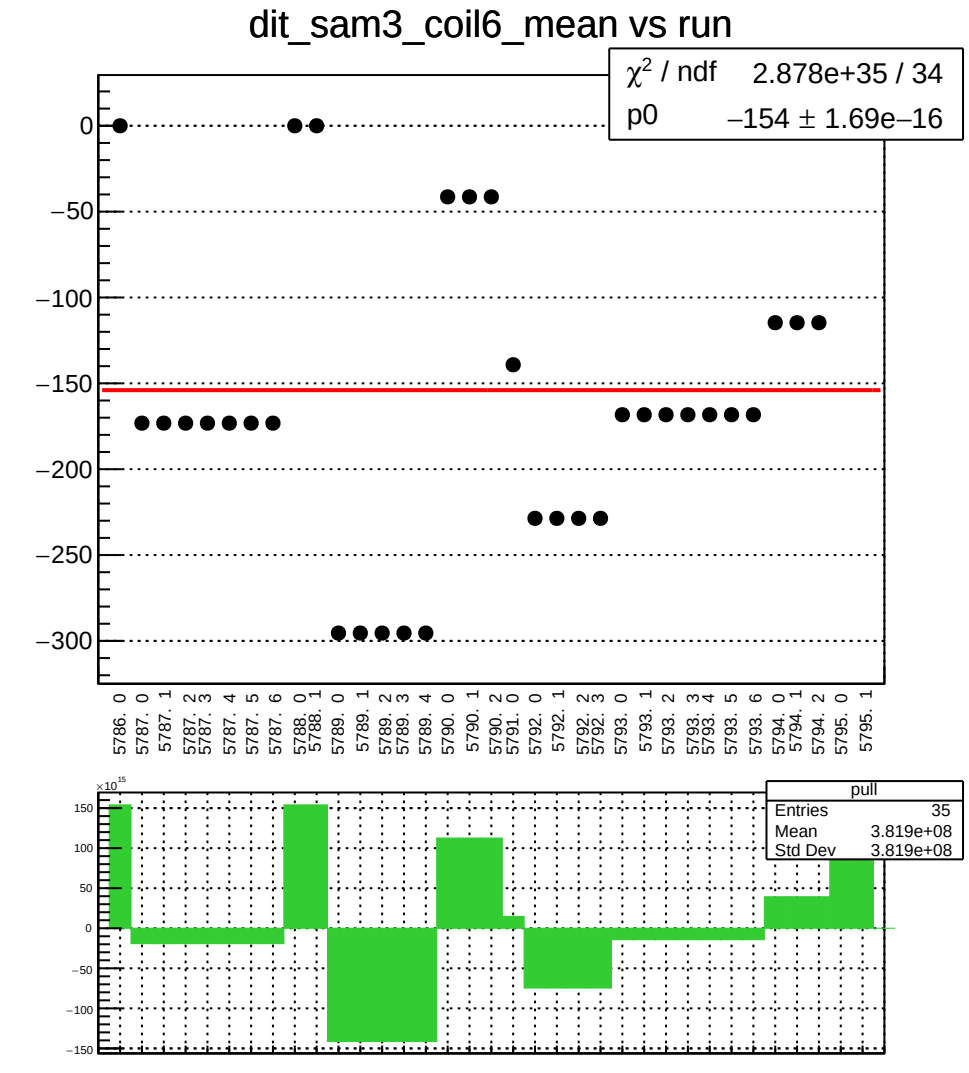

dit_sam2_coil6_err_mean vs run
χ² / ndf 4.56e+36 / 34
p0 519.2 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

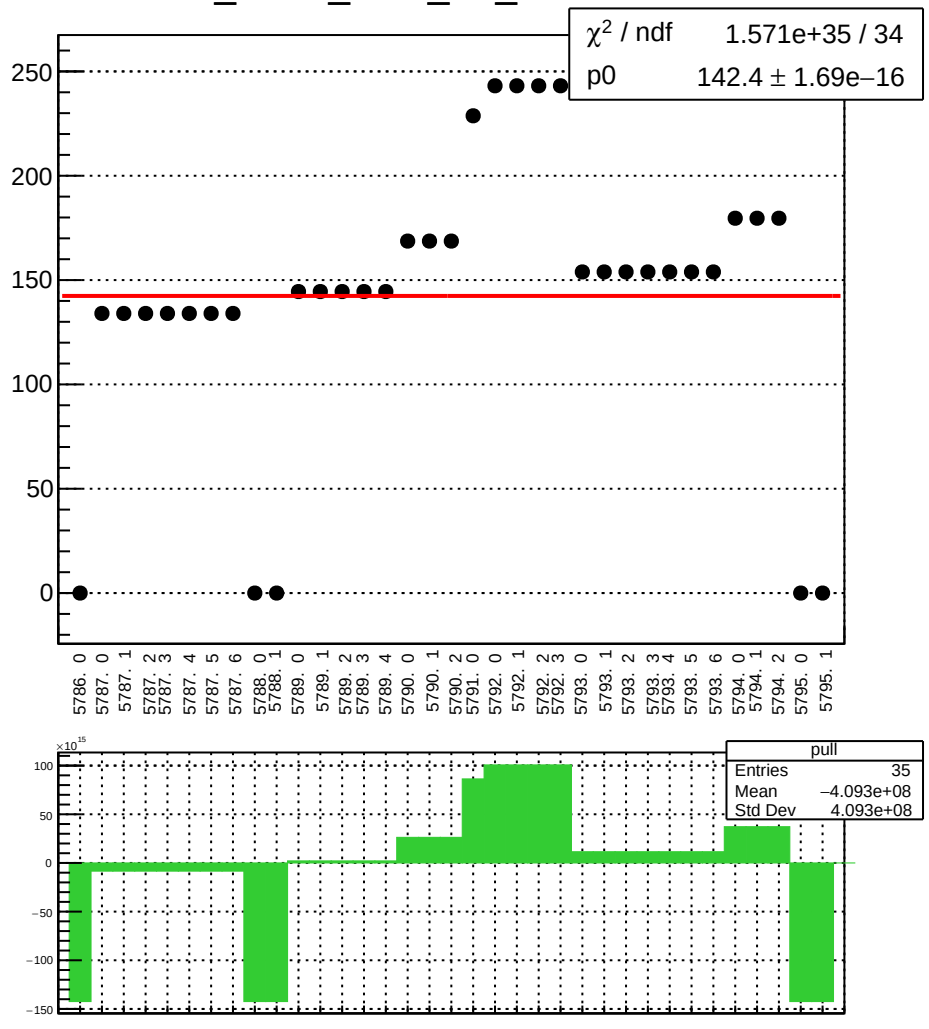

×10¹⁵
1000
800
600
400
200
0
−200
−400
pull
Entries 35
Mean 1.066e+09
Std Dev 1.066e+09

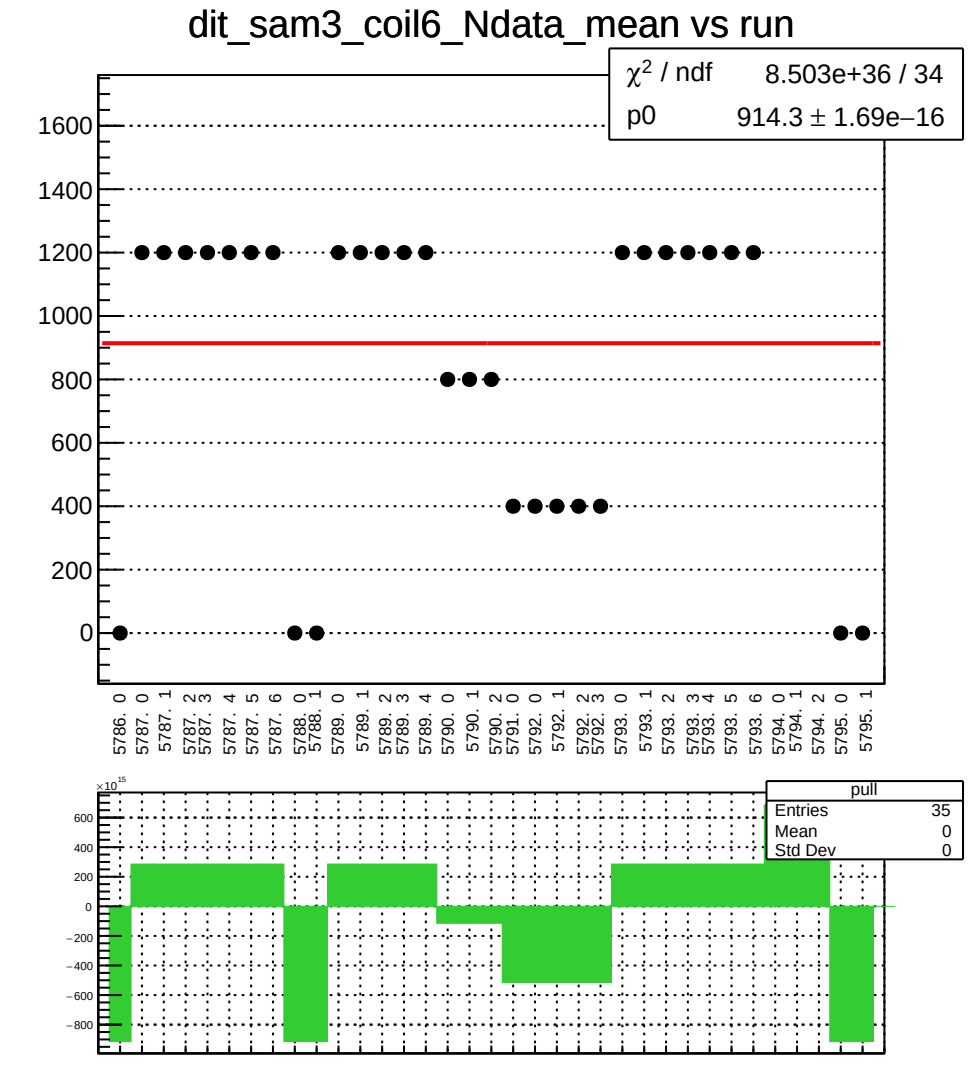

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

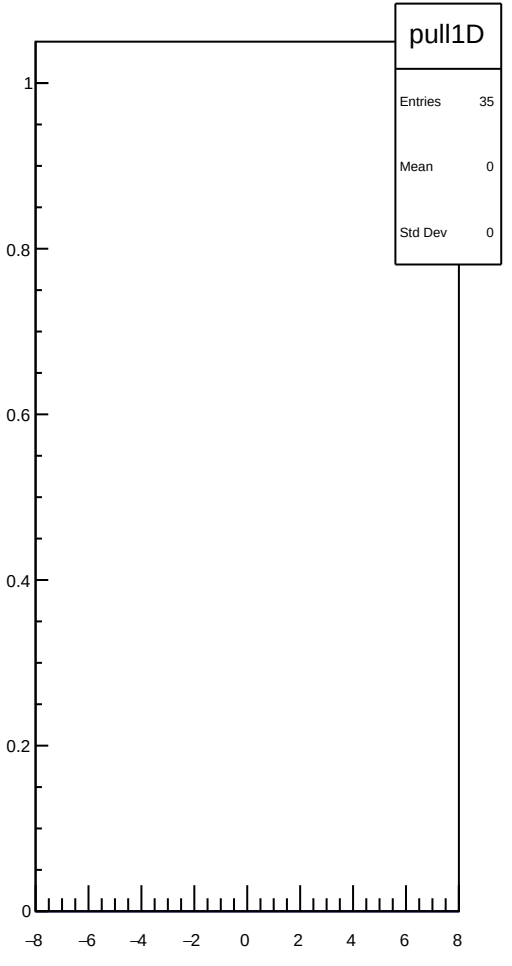

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

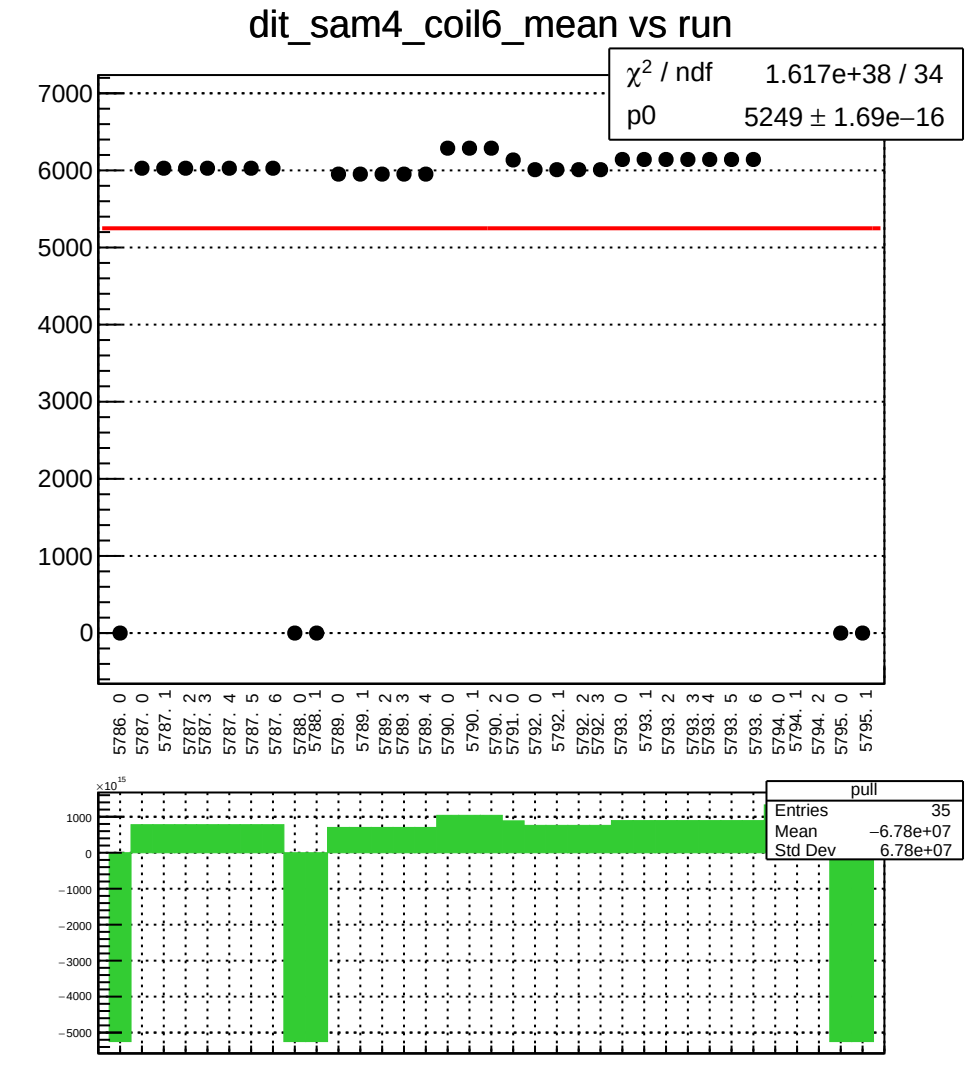

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

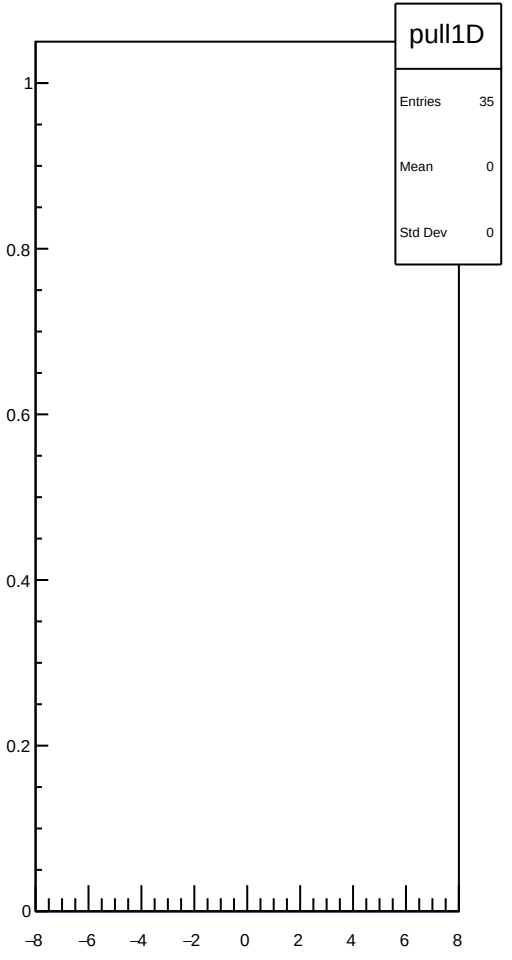

dit_sam3_coil6_mean vs run
χ² / ndf 2.878e+35 / 34
p0 −154 ± 1.69e−16
0
−50
−100
−150
−200
−250
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
150
100
50
0
−50
−100
−150
pull
Entries 35
Mean 3.819e+08
Std Dev 3.819e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

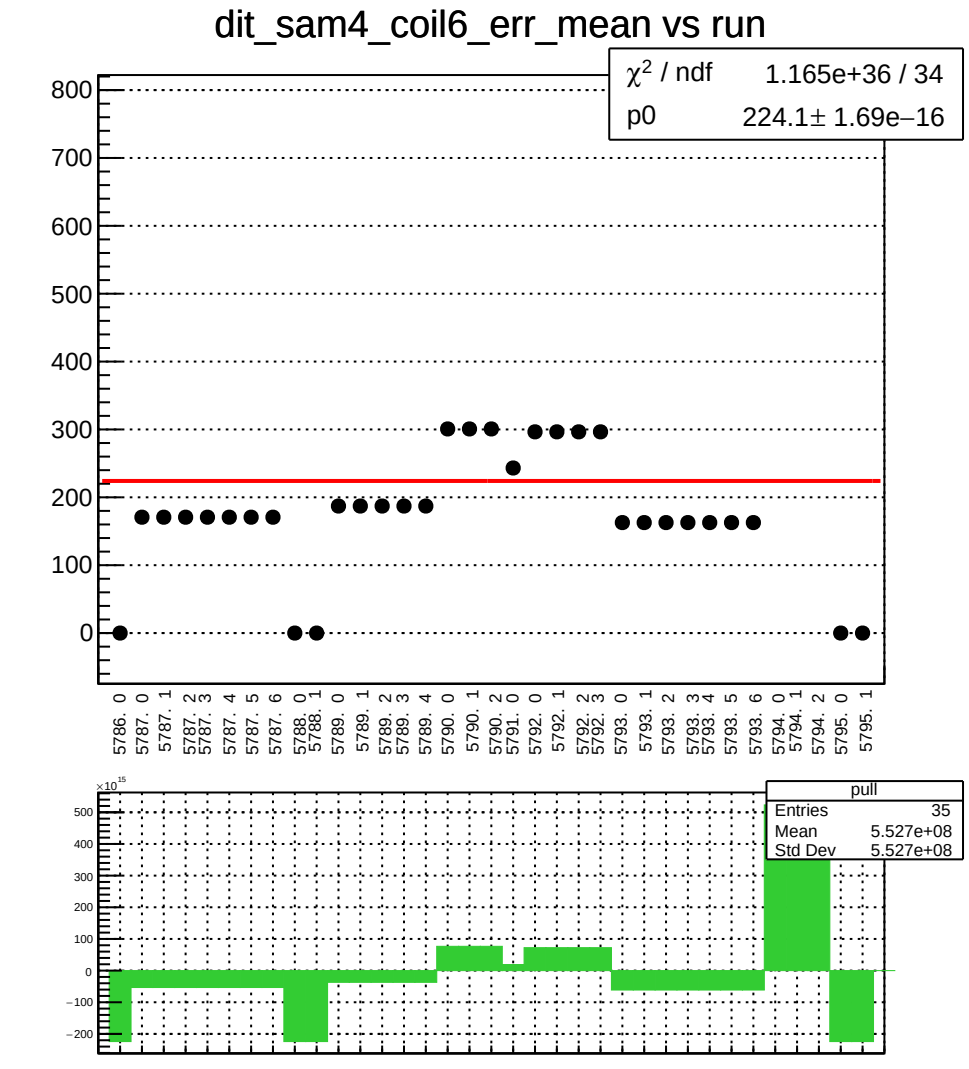

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.571e+35 / 34
p0 142.4 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
100
50
0
−50
−100
−150
pull
Entries 35
Mean −4.093e+08
Std Dev 4.093e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

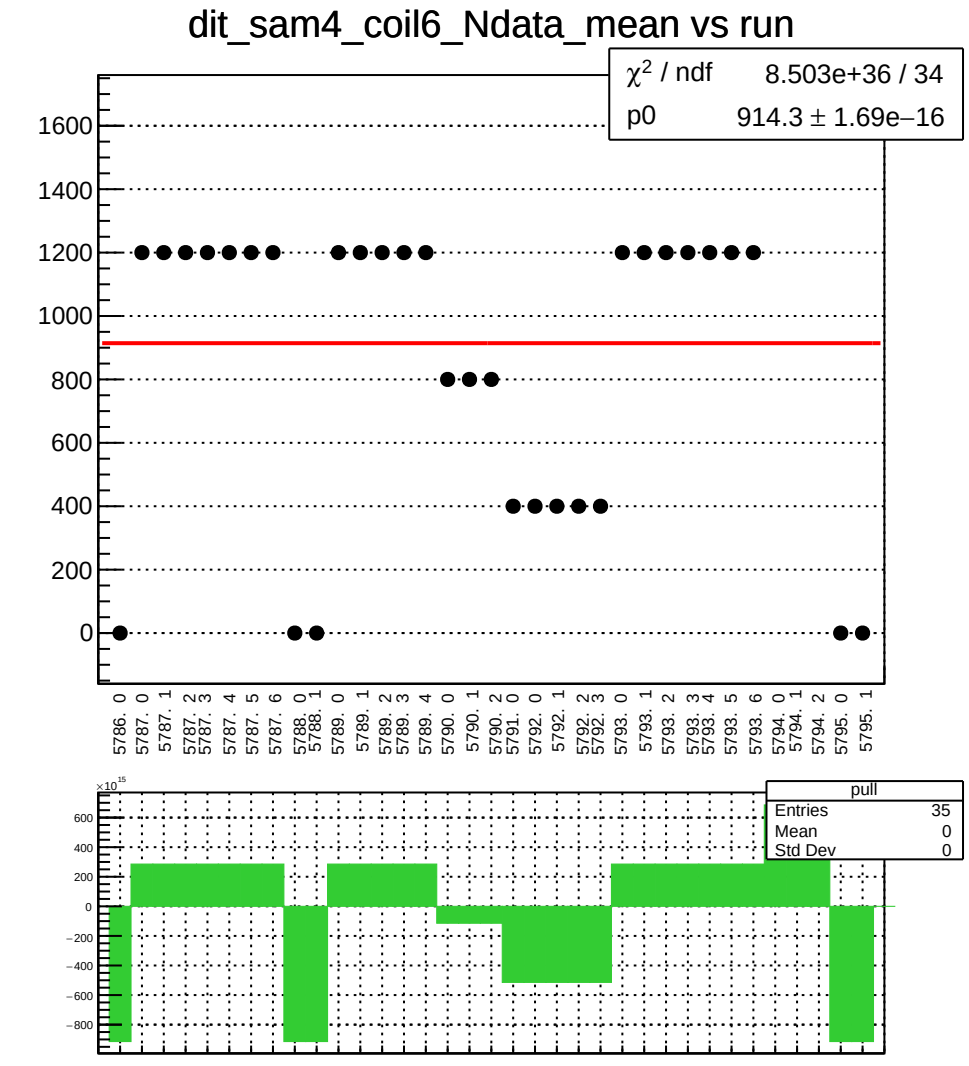

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

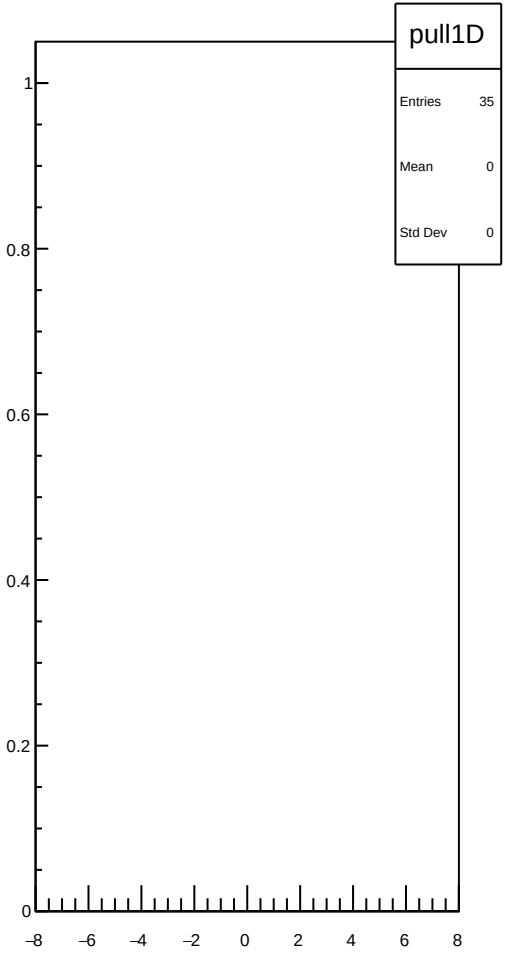

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

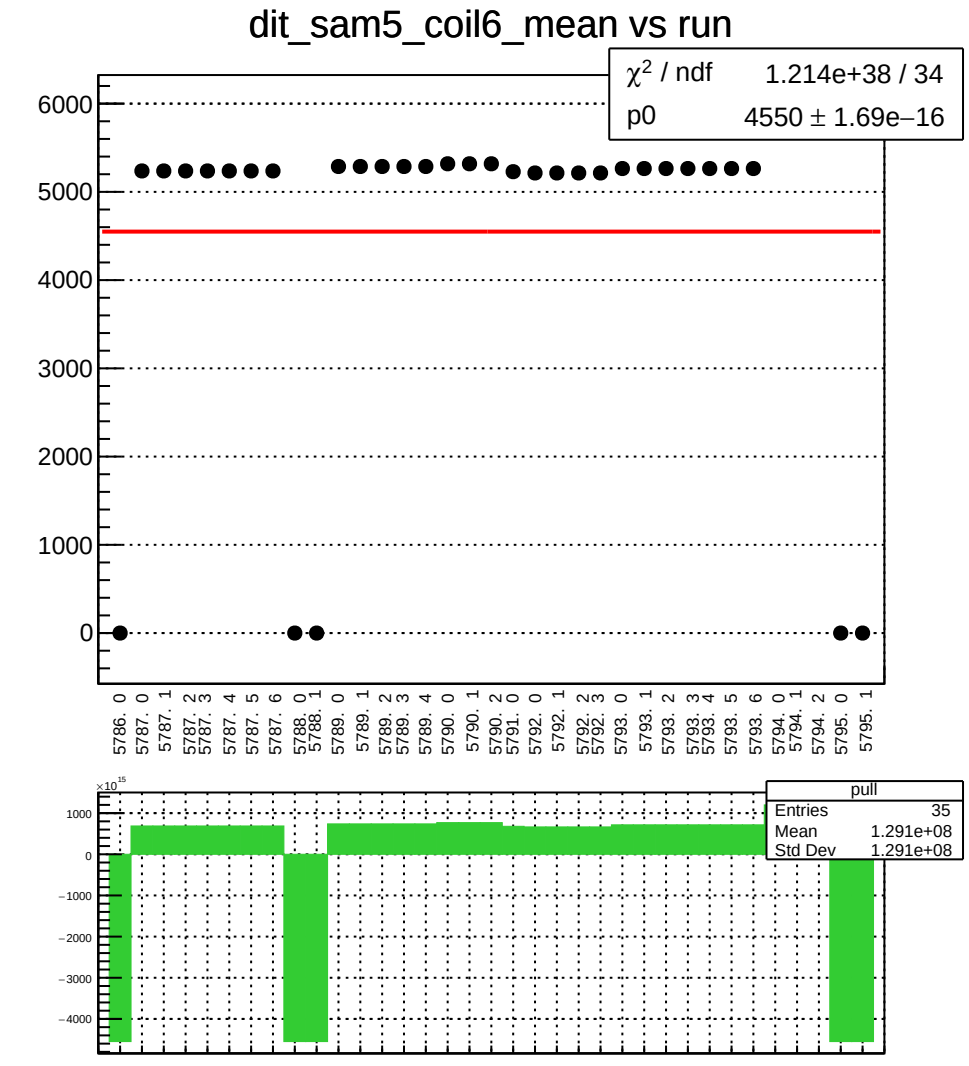

dit_sam4_coil6_mean vs run
χ² / ndf 1.617e+38 / 34
p0 5249 ± 1.69e−16
7000
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 35
Mean −6.78e+07
Std Dev 6.78e+07

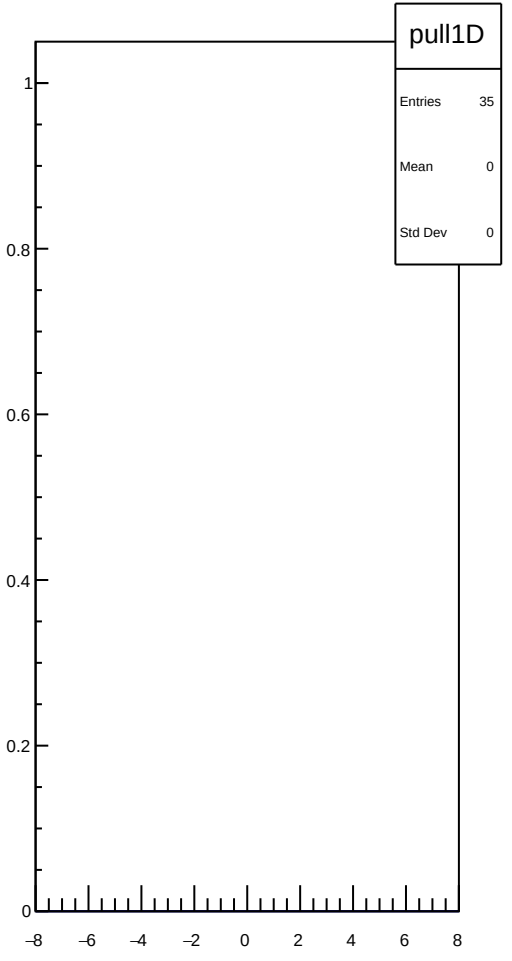

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

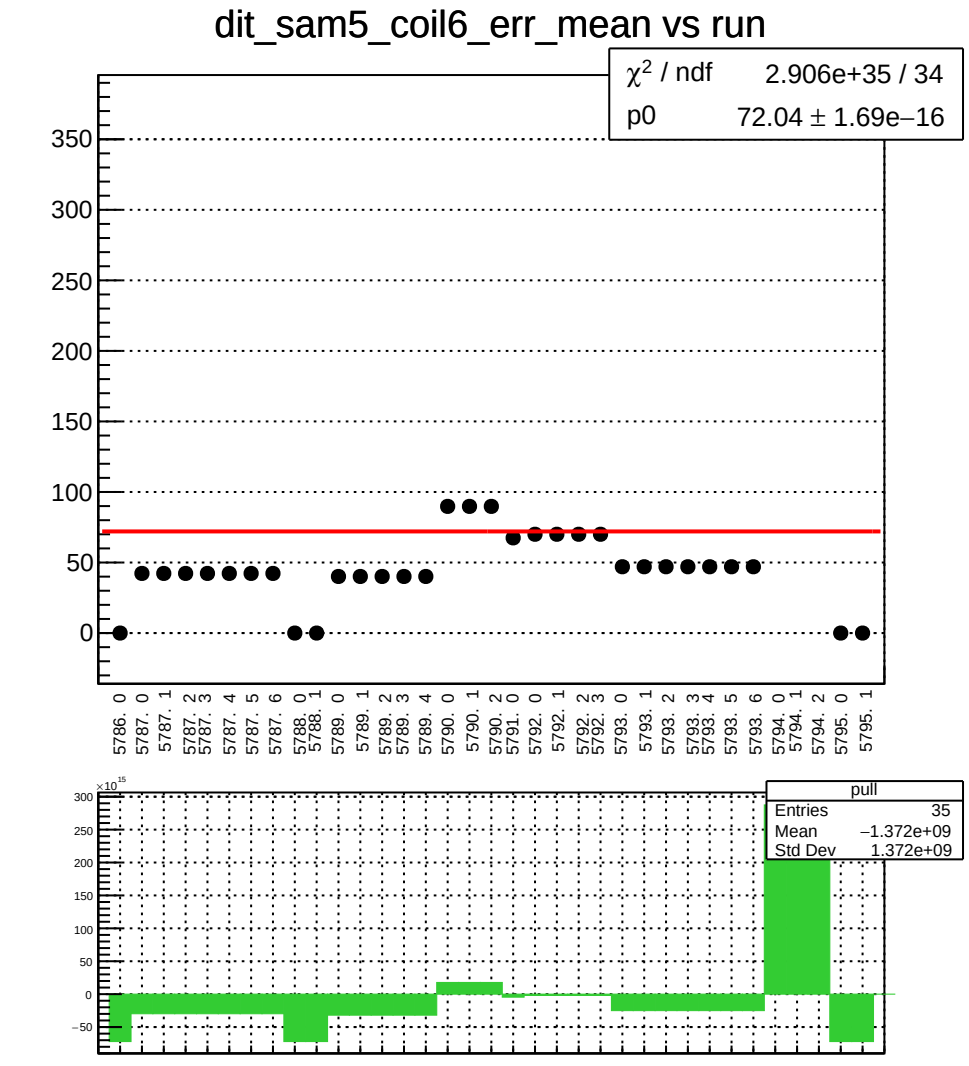

dit_sam4_coil6_err_mean vs run
χ² / ndf 1.165e+36 / 34
p0 224.1± 1.69e−16
800
700
600
500
400
300
200
100
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
500
400
300
200
100
0
−100
−200
pull
Entries 35
Mean 5.527e+08
Std Dev 5.527e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

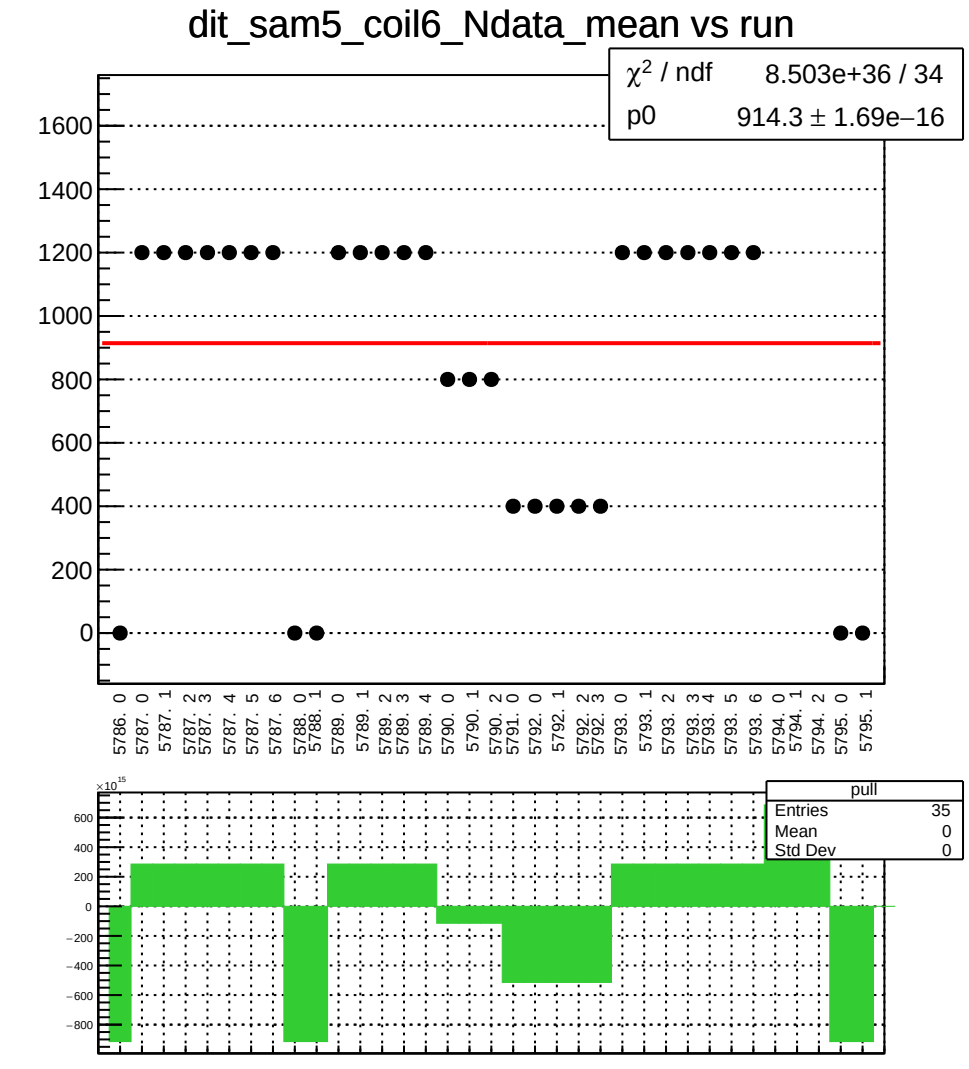

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

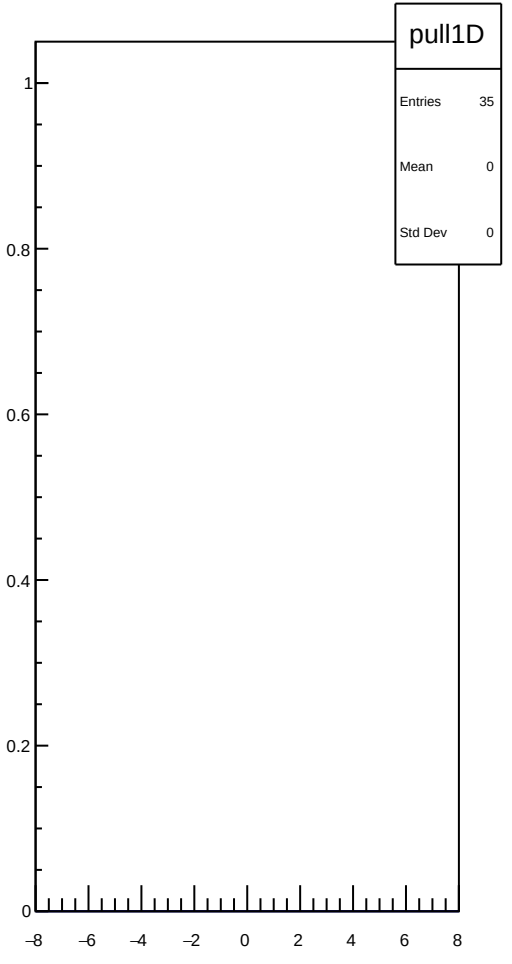

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

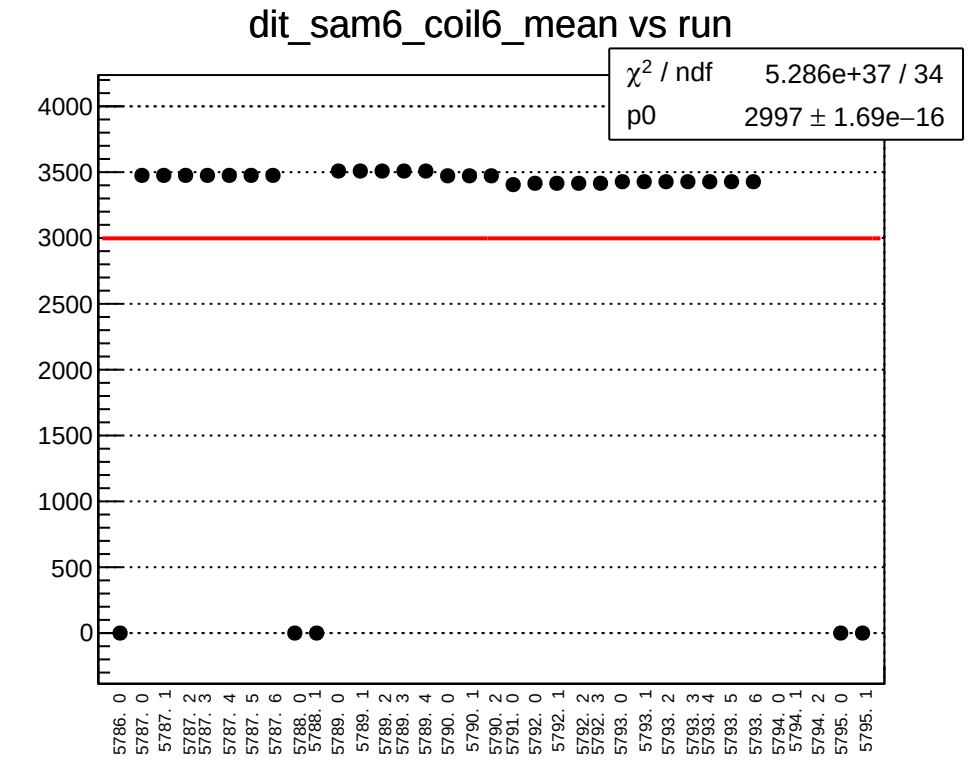

dit_sam5_coil6_mean vs run
χ² / ndf 1.214e+38 / 34
p0 4550 ± 1.69e−16
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull
Entries 35
Mean 1.291e+08
Std Dev 1.291e+08

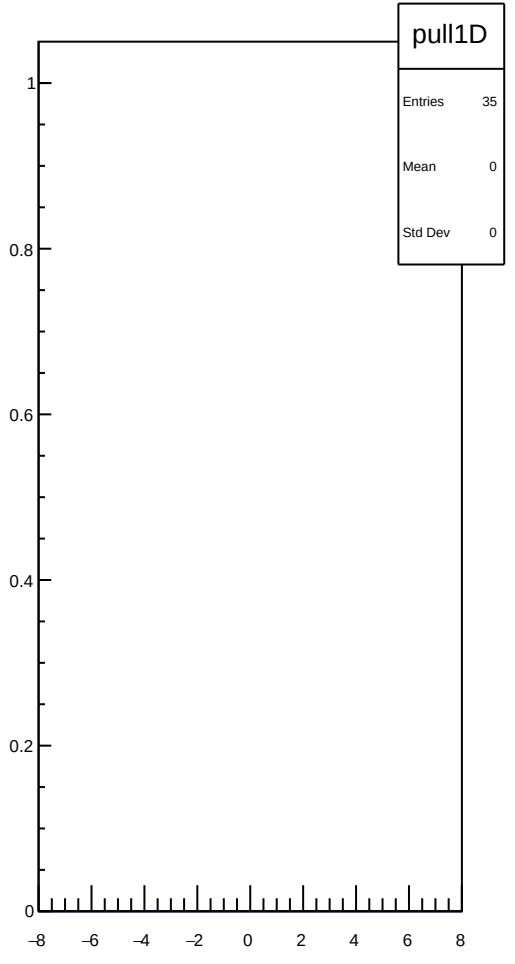

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

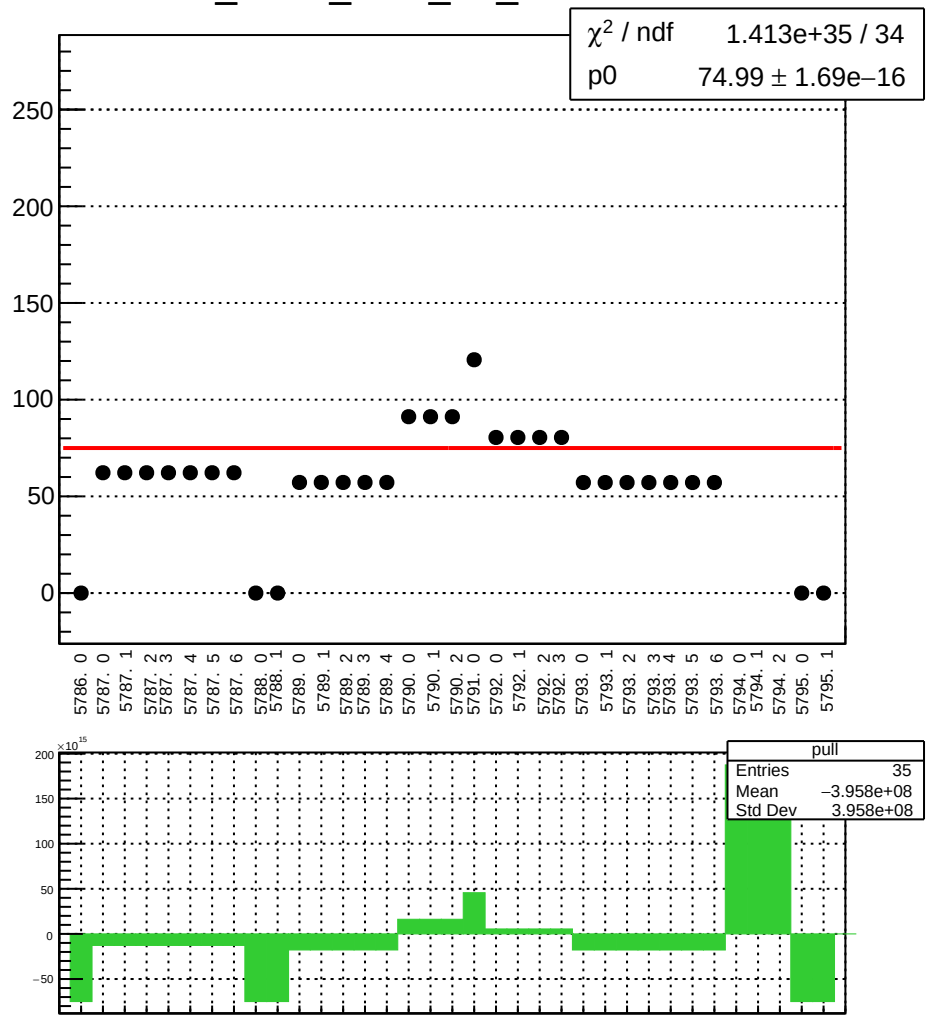

dit_sam5_coil6_err_mean vs run
χ² / ndf 2.906e+35 / 34
p0 72.04 ± 1.69e−16
350
300
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
300
250
200
150
100
50
0
−50
pull
Entries 35
Mean −1.372e+09
Std Dev 1.372e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

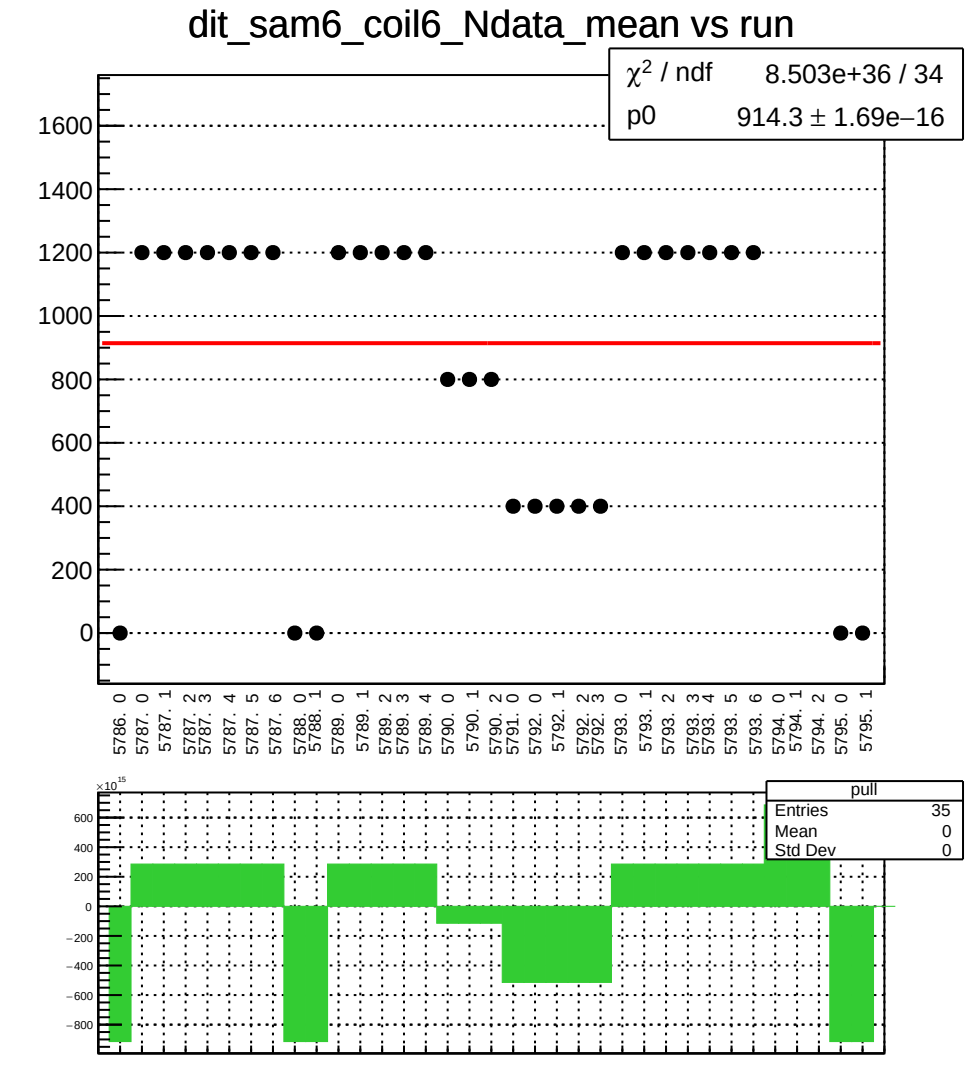

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

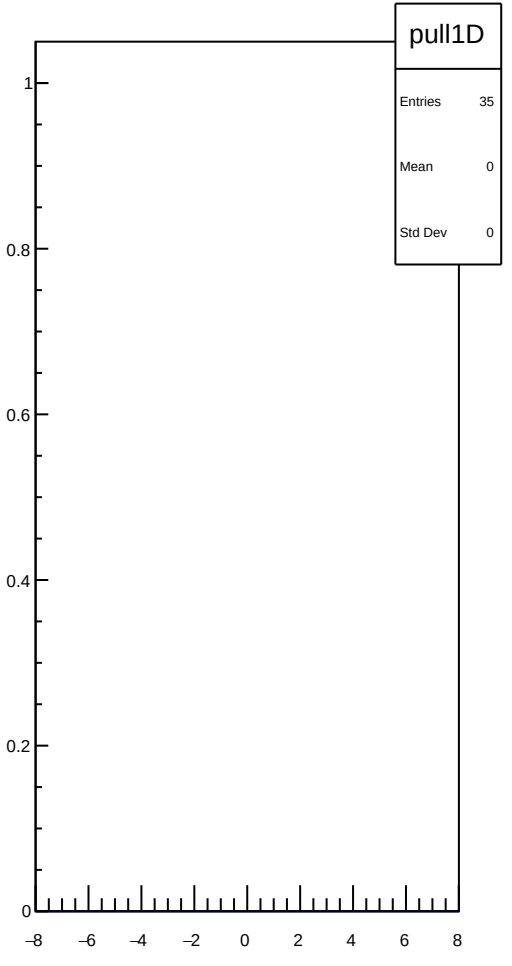

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

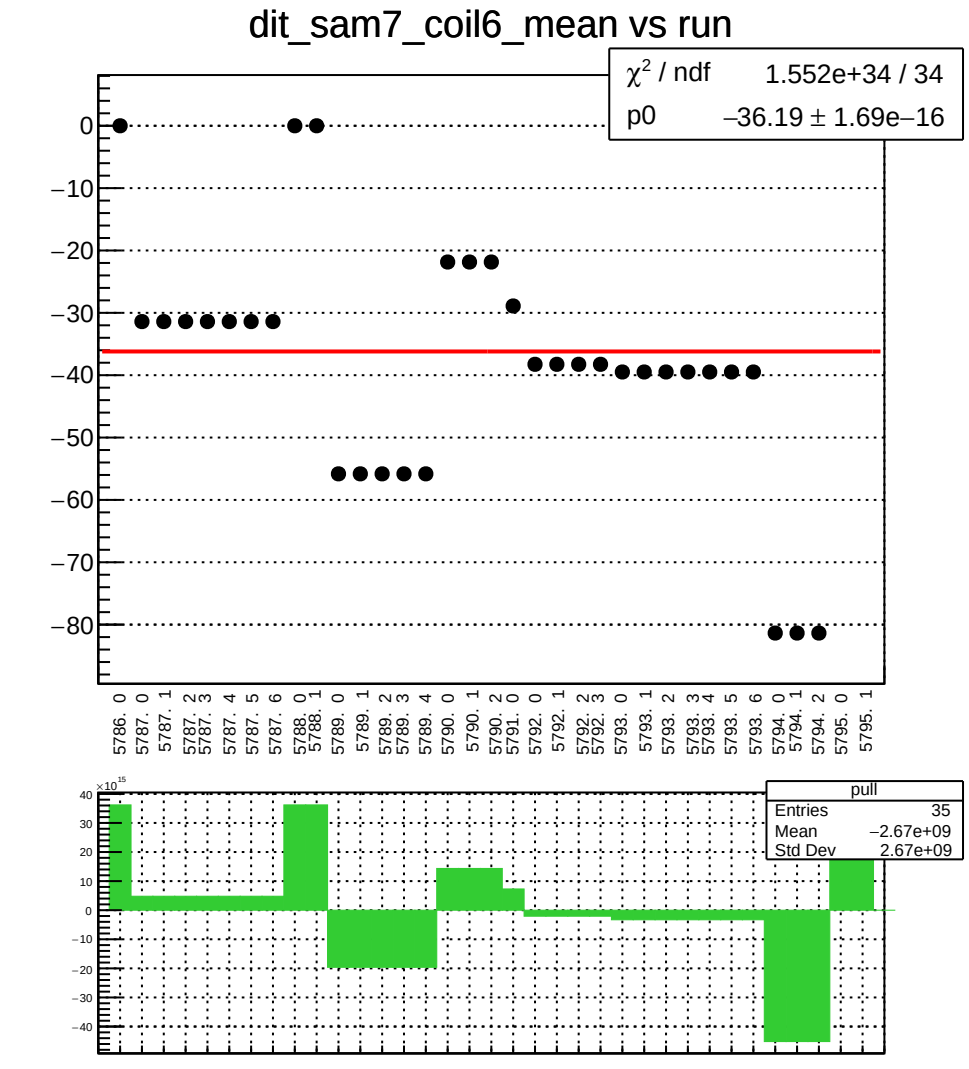

dit_sam6_coil6_mean vs run
χ² / ndf 5.286e+37 / 34
p0 2997 ± 1.69e−16
4000
3500
3000
2500
2000
1500
1000
500
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 35
Mean 7.055e+07
Std Dev 7.055e+07

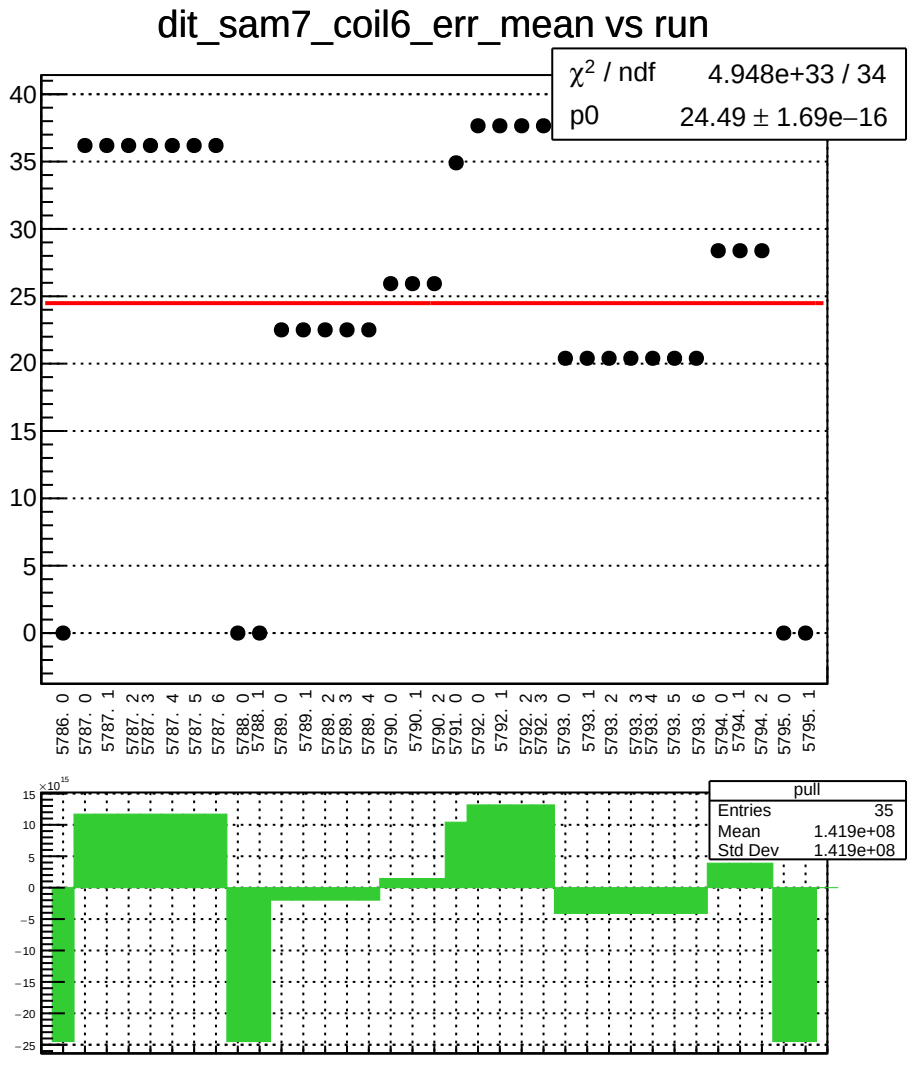

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

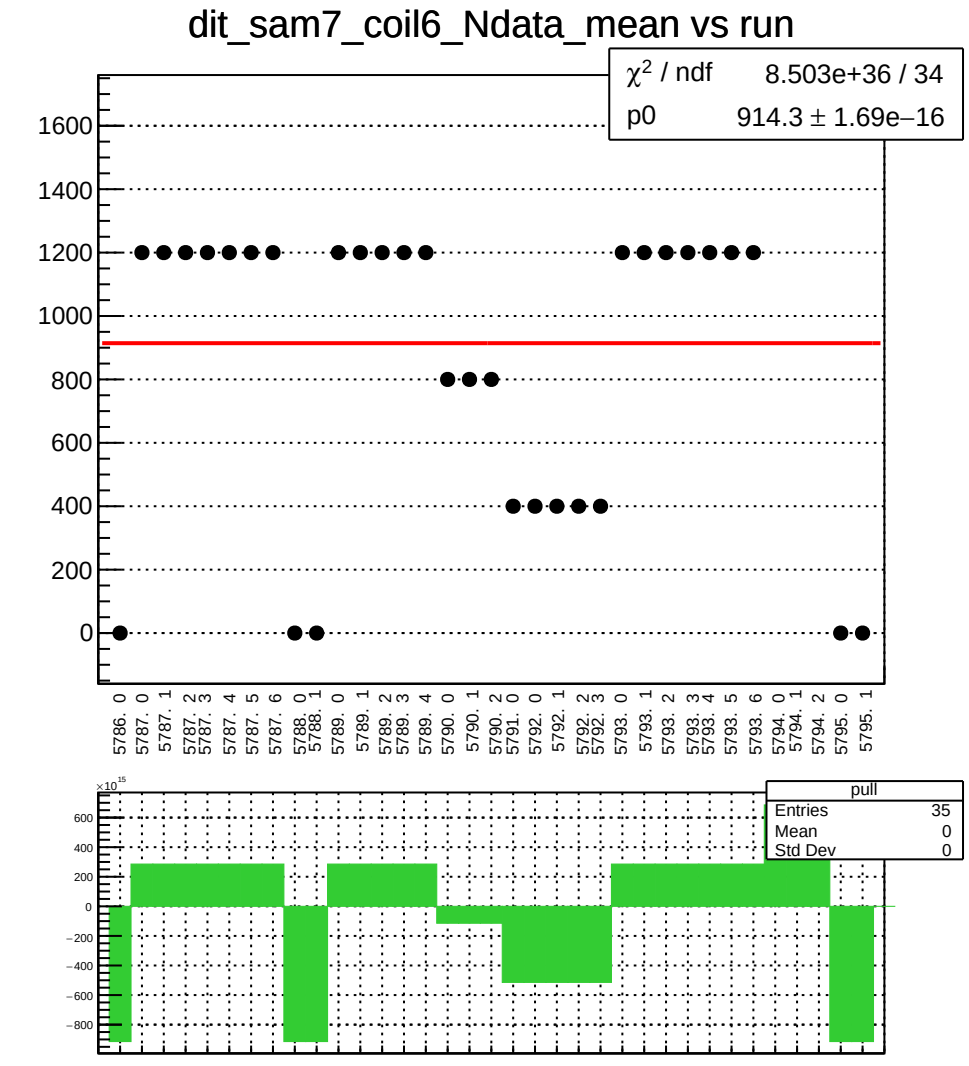

dit_sam6_coil6_err_mean vs run
χ² / ndf 1.413e+35 / 34
p0 74.99 ± 1.69e−16
250
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
200
150
100
50
0
−50
pull
Entries 35
Mean −3.958e+08
Std Dev 3.958e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

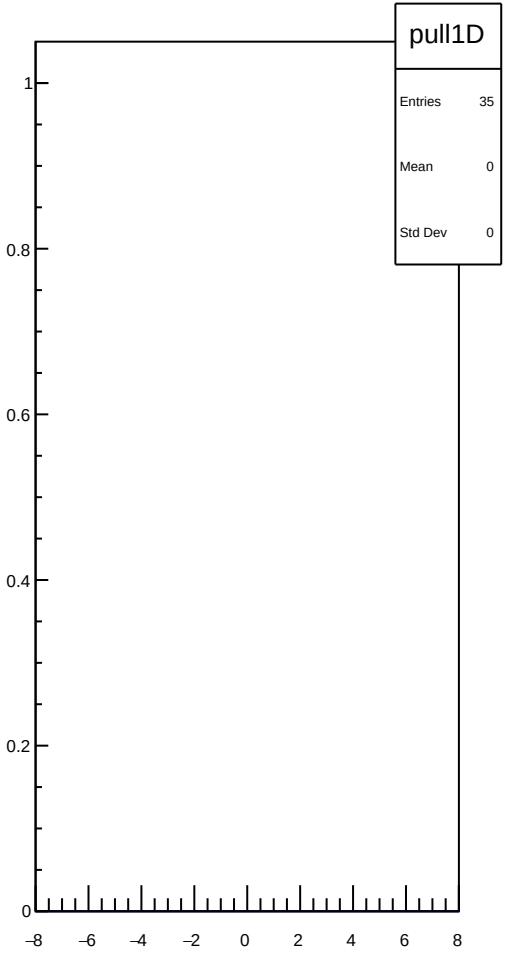

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

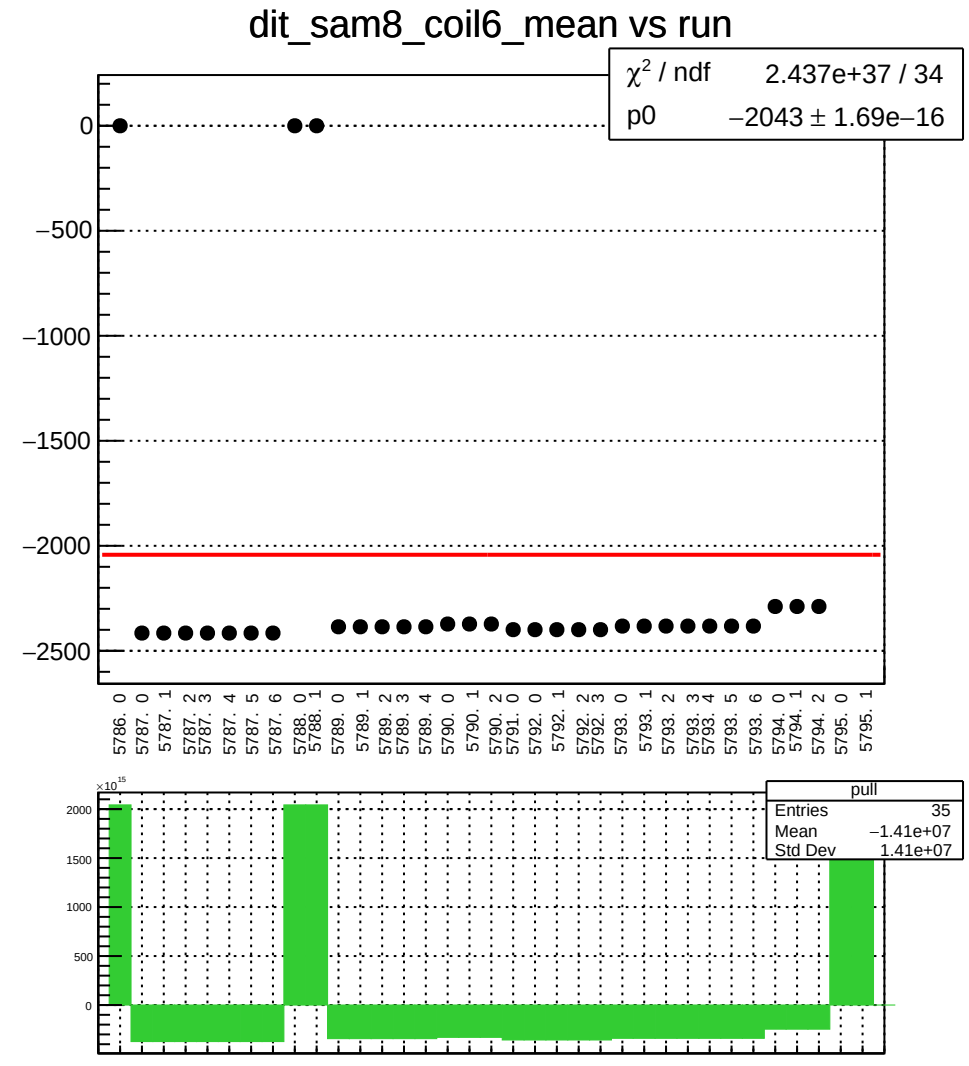

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

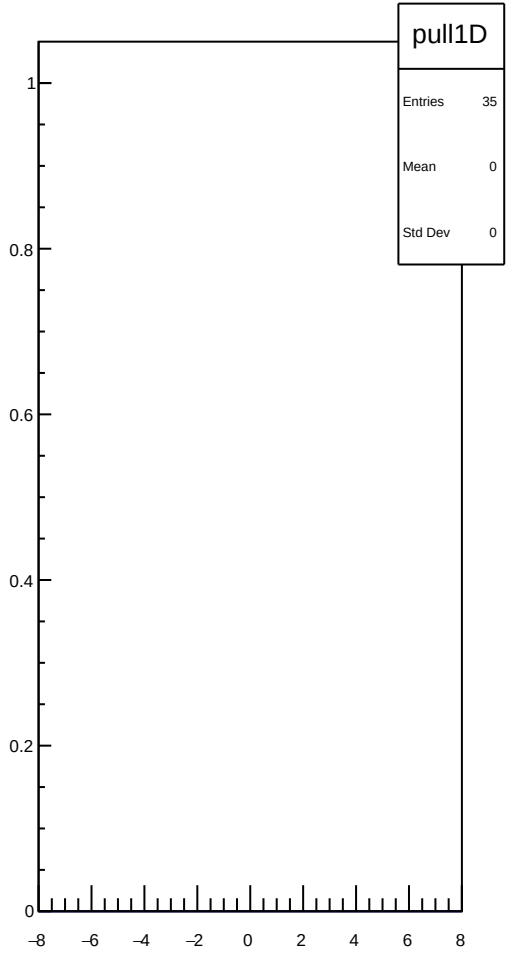

dit_sam7_coil6_mean vs run
χ² / ndf 1.552e+34 / 34
p0 −36.19 ± 1.69e−16
0
−10
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
40
30
20
10
0
−10
−20
−30
−40
pull
Entries 35
Mean −2.67e+09
Std Dev 2.67e+09
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

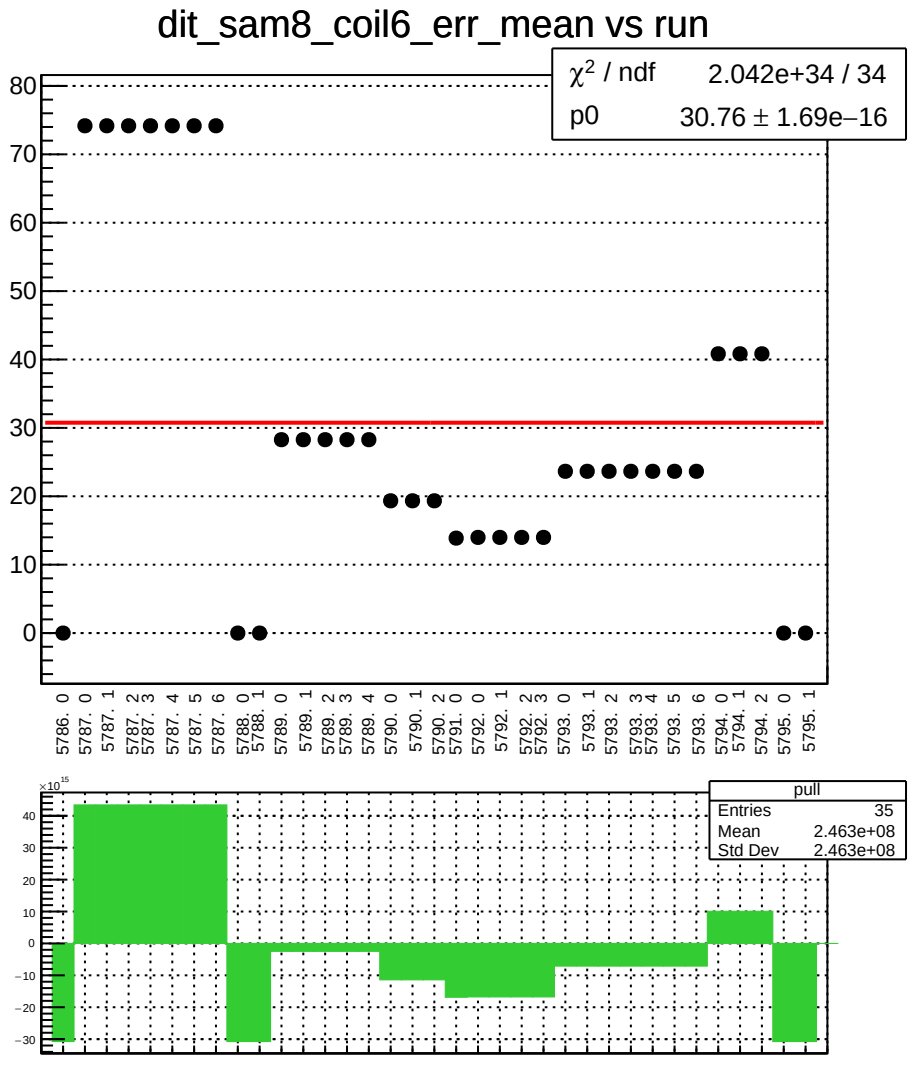

dit_sam7_coil6_err_mean vs run
χ² / ndf 4.948e+33 / 34
p0 24.49 ± 1.69e−16
40
35
30
25
20
15
10
5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
15
10
5
0
−5
−10
−15
−20
−25
pull
Entries 35
Mean 1.419e+08
Std Dev 1.419e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

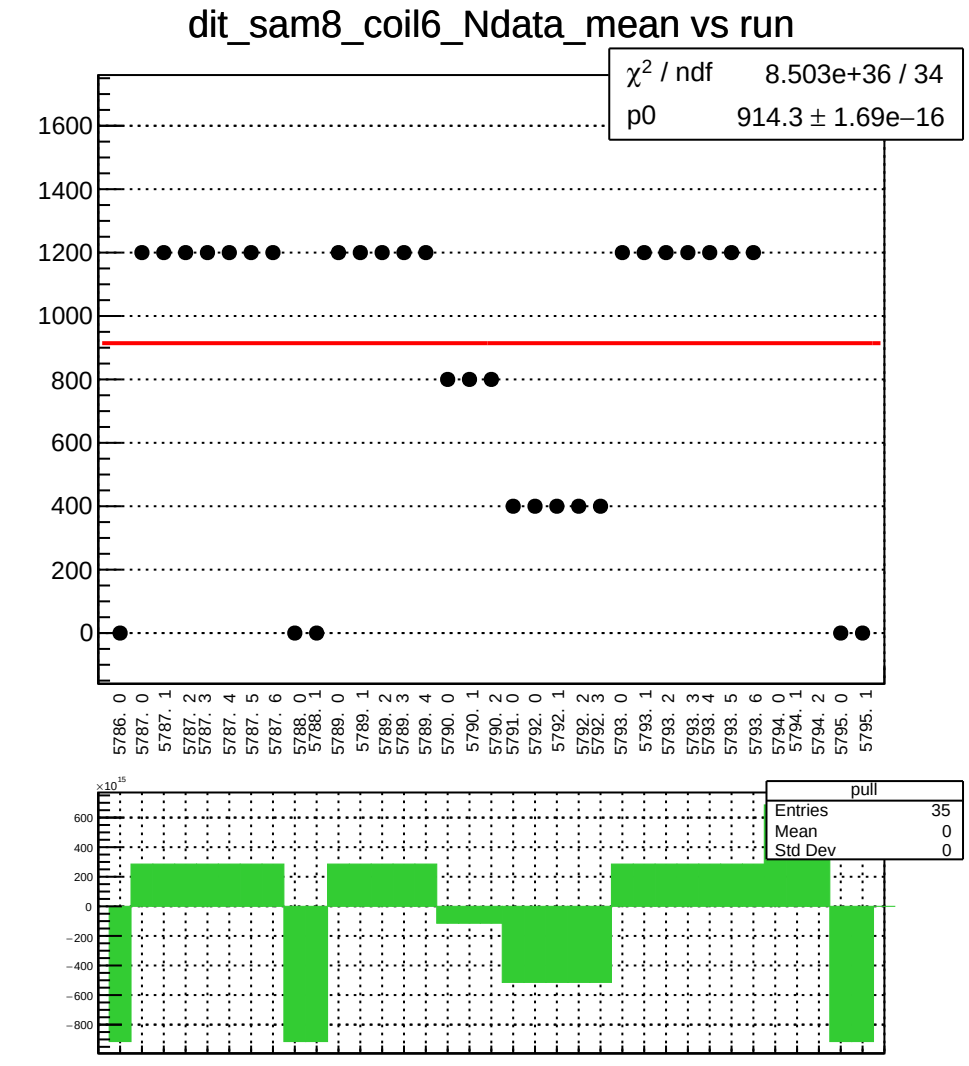

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0

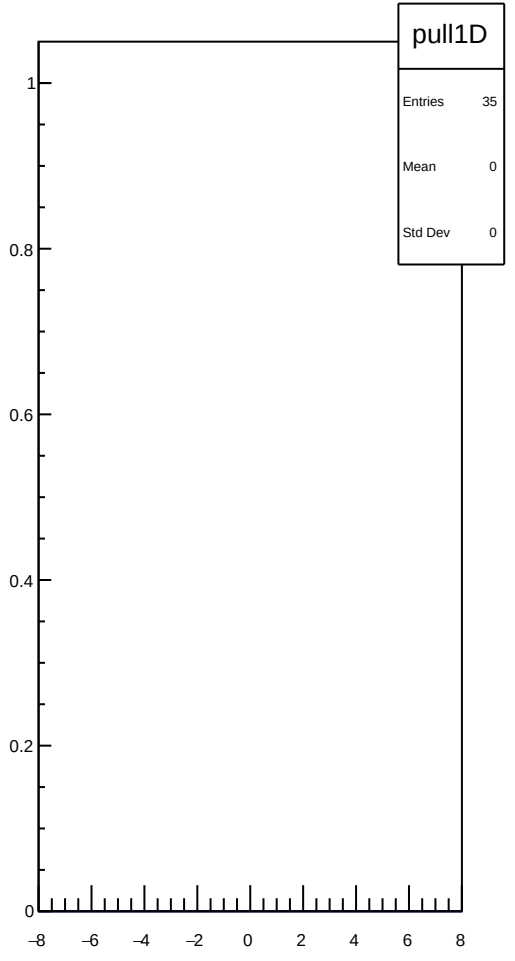

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

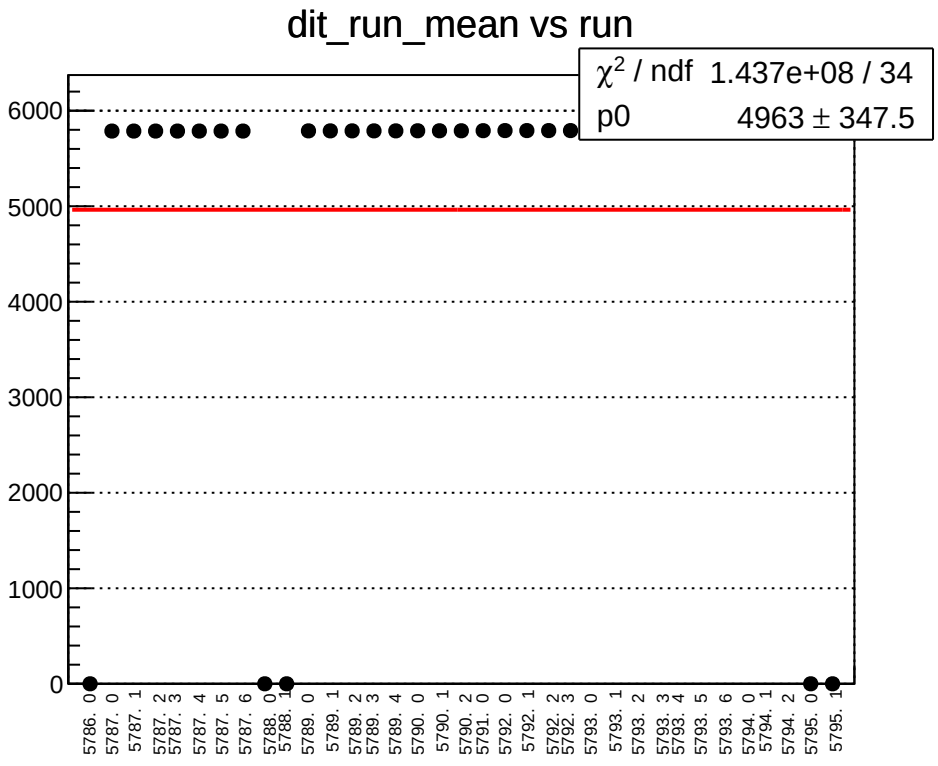

dit_sam8_coil6_mean vs run
χ² / ndf 2.437e+37 / 34
p0 −2043 ± 1.69e−16
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
2000
1500
1000
500
0
pull
Entries 35
Mean −1.41e+07
Std Dev 1.41e+07


pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil6_err_mean vs run
χ² / ndf 2.042e+34 / 34
p0 30.76 ± 1.69e−16
80
70
60
50
40
30
20
10
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
40
30
20
10
0
−10
−20
−30
pull
Entries 35
Mean 2.463e+08
Std Dev 2.463e+08
pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 8.503e+36 / 34
p0 914.3 ± 1.69e−16
1600
1400
1200
1000
800
600
400
200
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull
Entries 35
Mean 0
Std Dev 0


pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_run_mean vs run
χ² / ndf 1.437e+08 / 34
p0 4963 ± 347.5
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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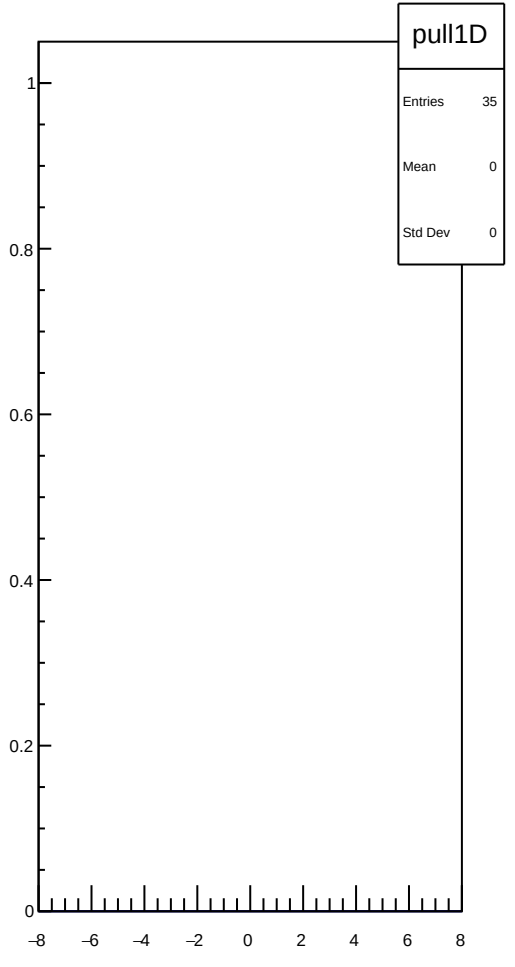
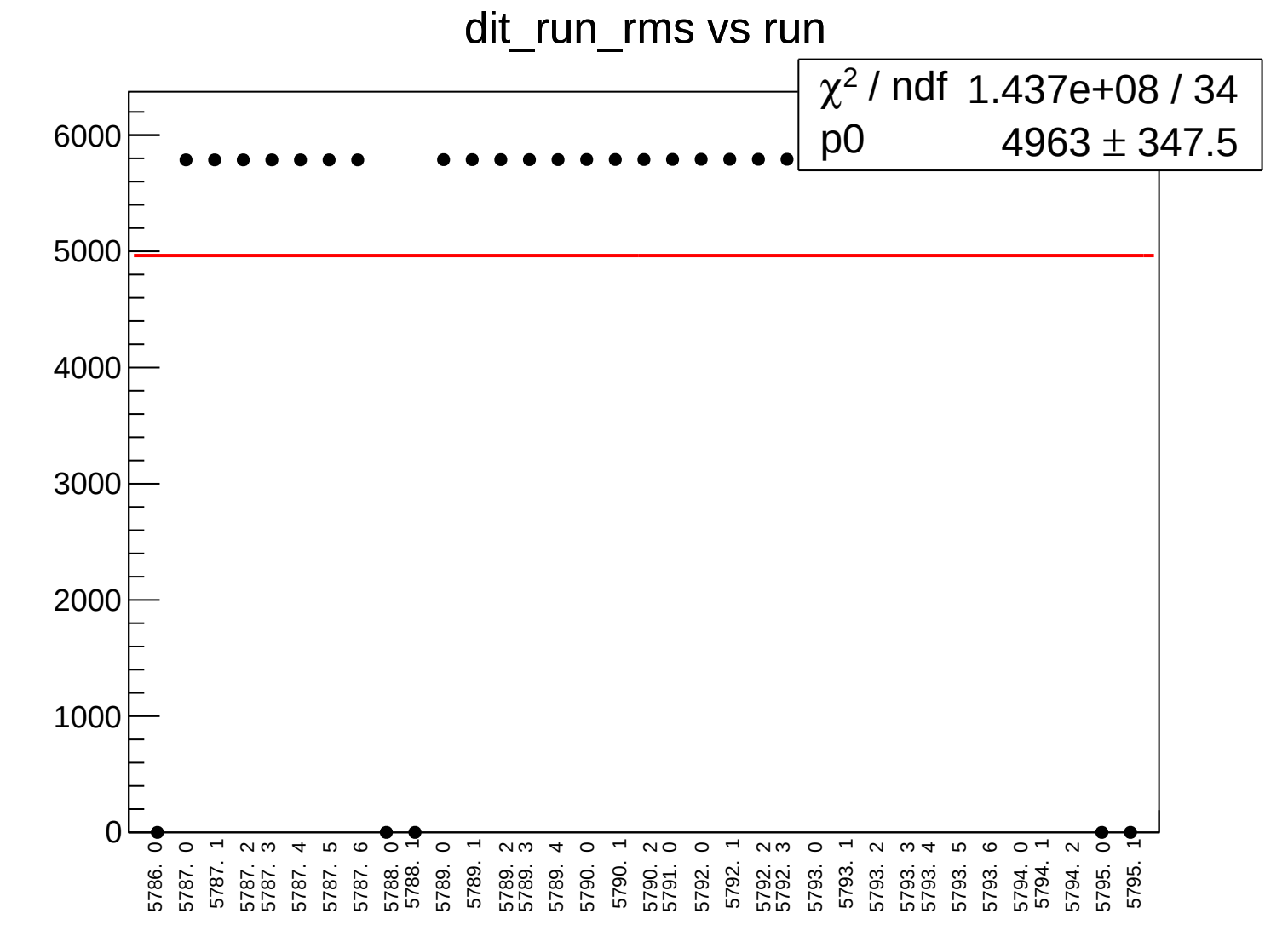
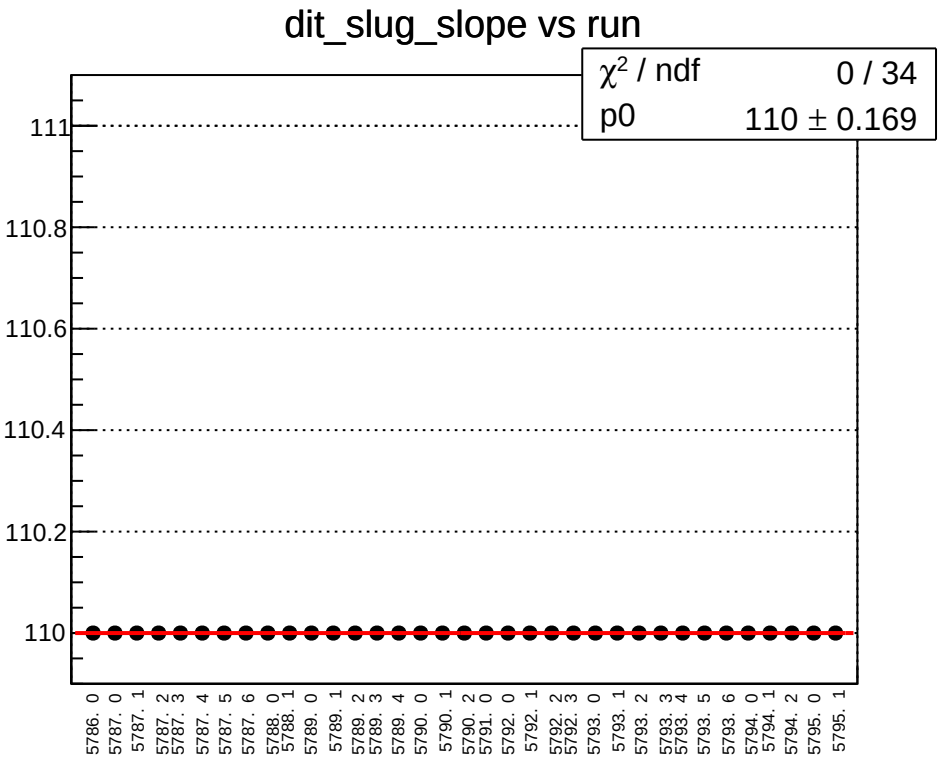
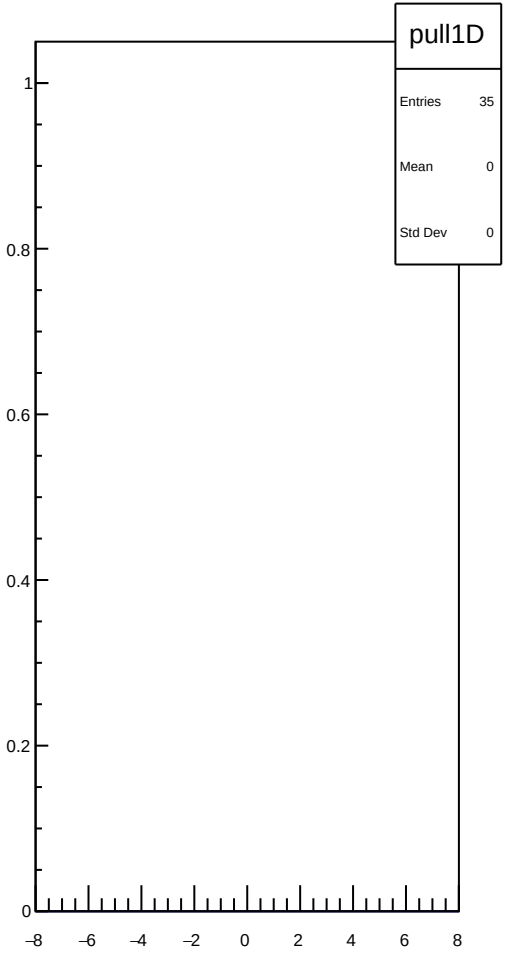
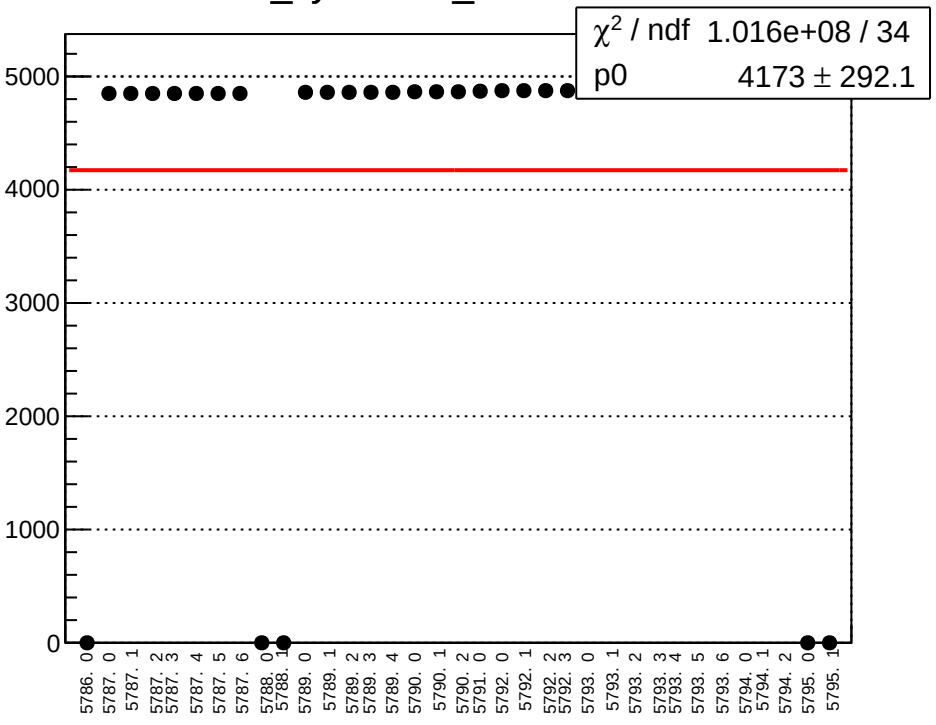
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

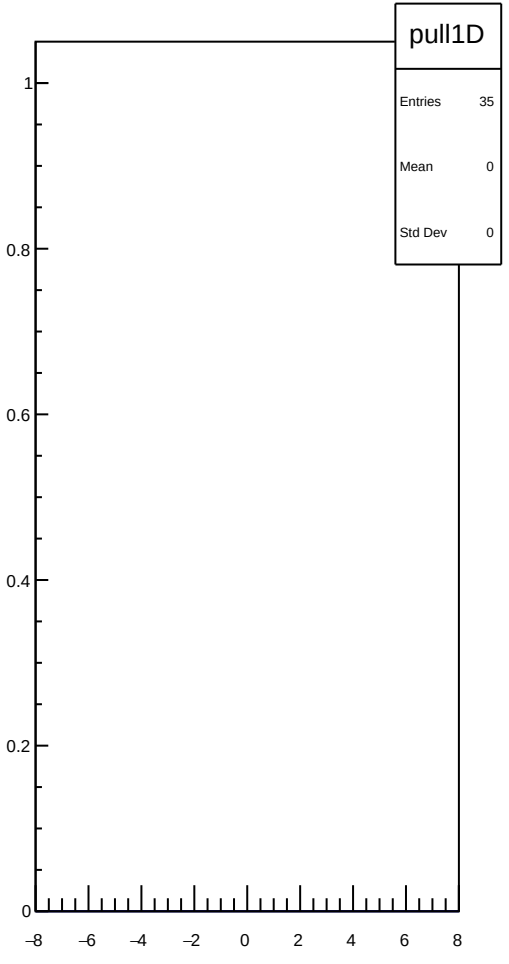

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

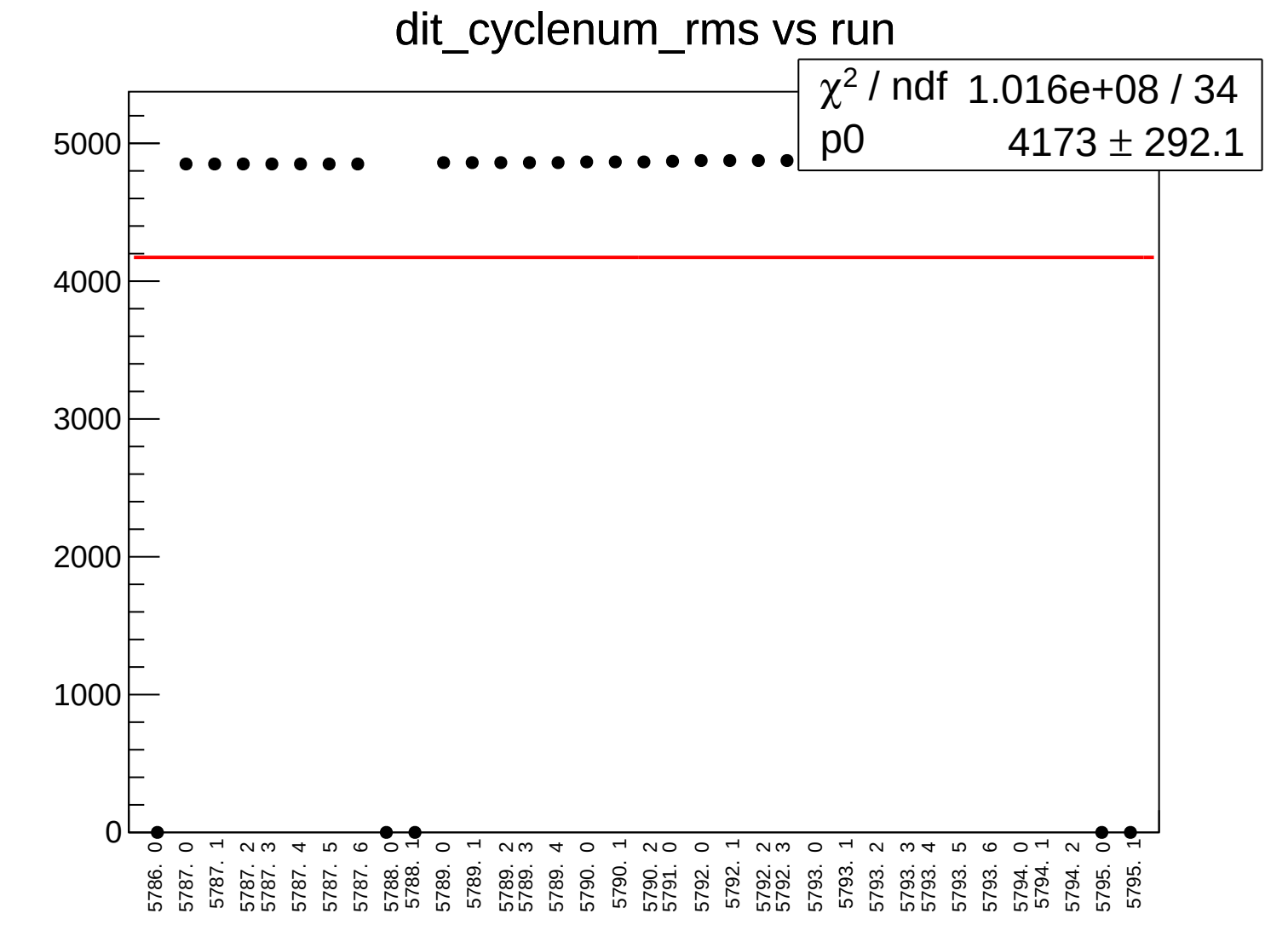

dit_run_rms vs run
χ² / ndf 1.437e+08 / 34
p0 4963 ± 347.5
6000
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

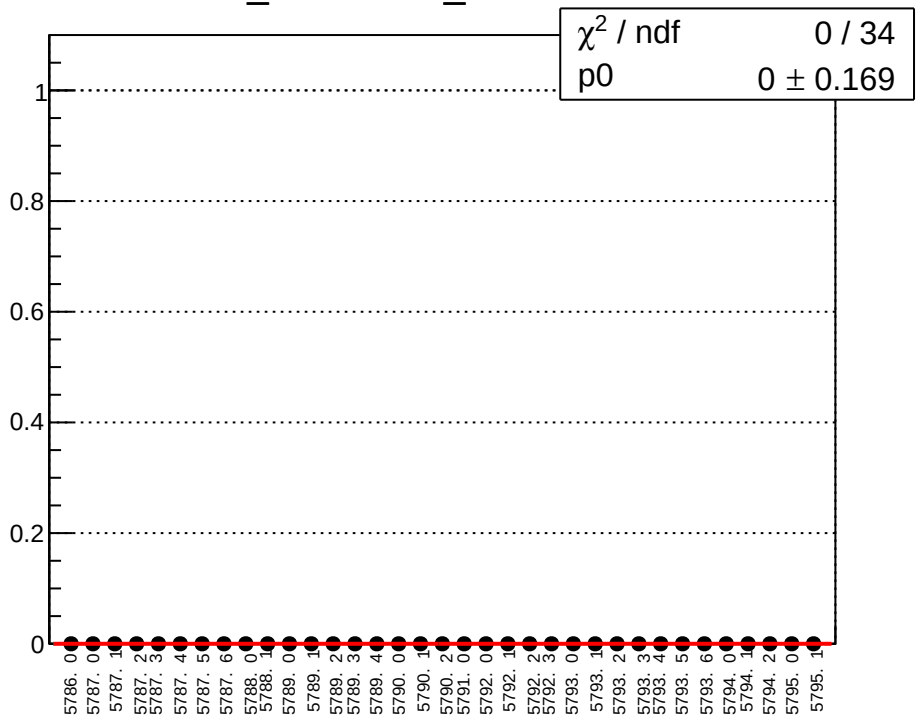

dit_slug_slope vs run
χ² / ndf 0 / 34
p0 110 ± 0.169
111
110.8
110.6
110.4
110.2
110
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

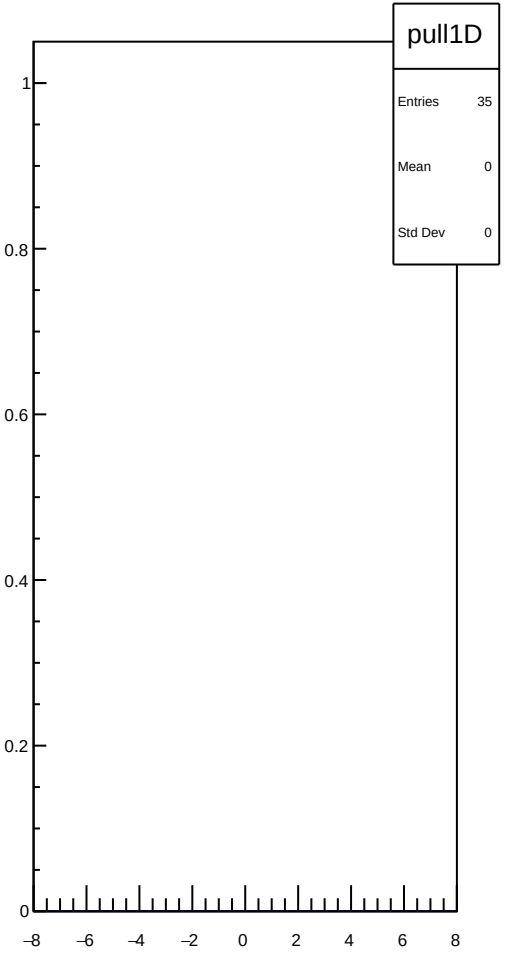

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

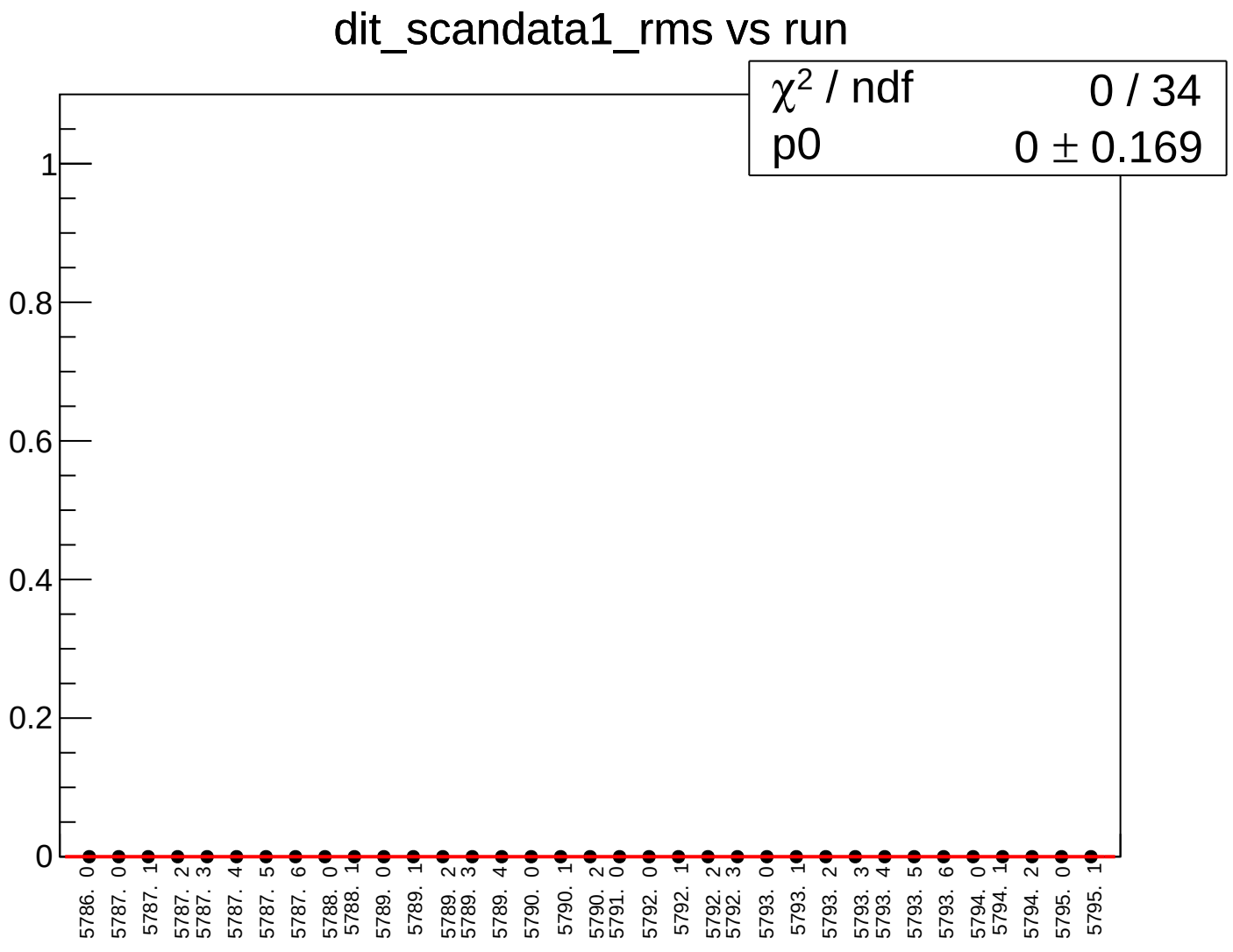

dit_cyclenum_mean vs run
χ^2 / ndf 1.016e+08 / 34
p0 4173 ± 292.1
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

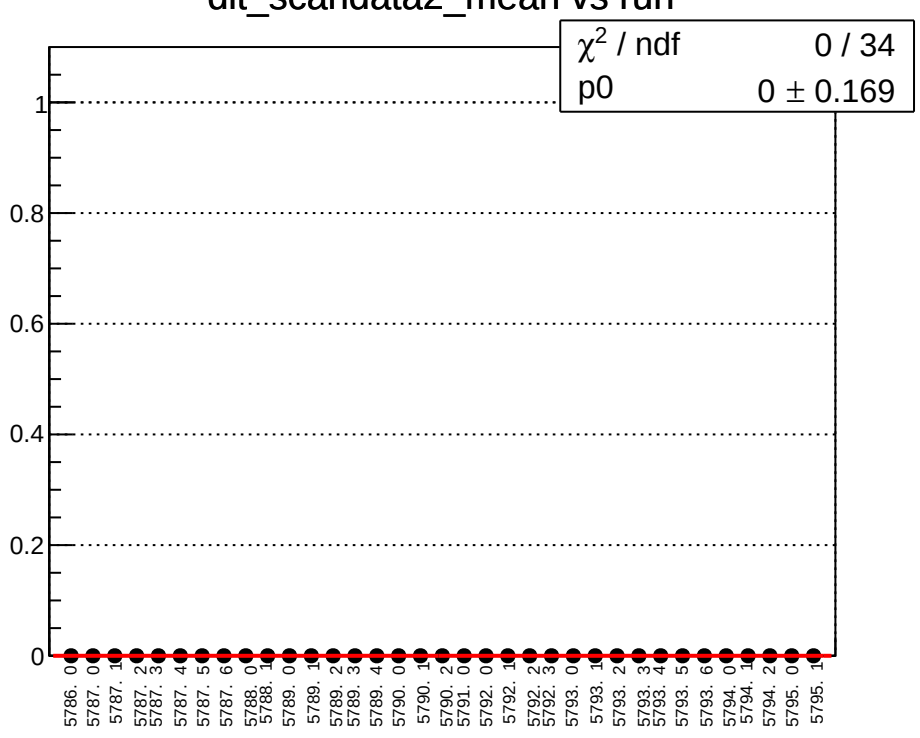

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

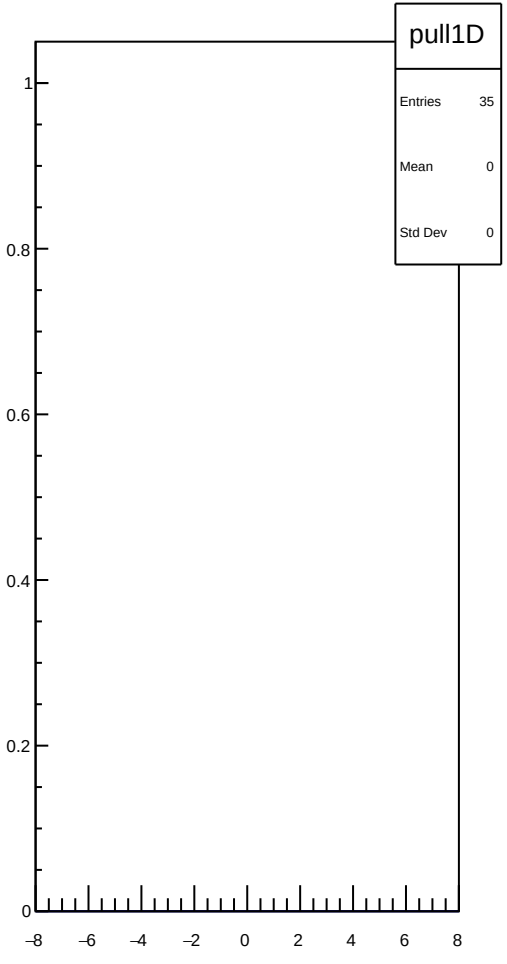

dit_cyclenum_rms vs run
χ² / ndf 1.016e+08 / 34
p0 4173 ± 292.1
5000
4000
3000
2000
1000
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

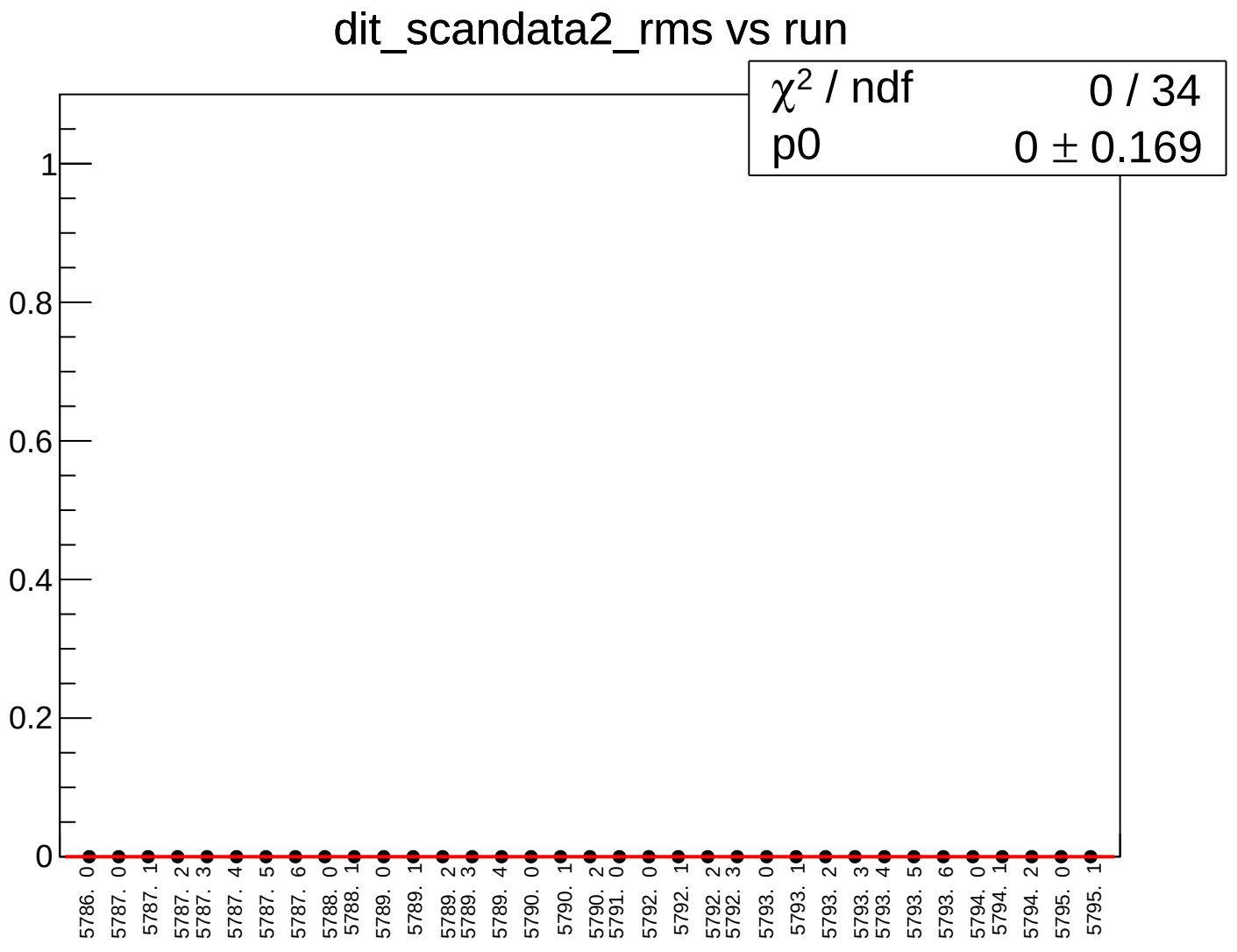

dit_scandata1_mean vs run
χ^2 / ndf 0 / 34
p0 0 ± 0.169
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

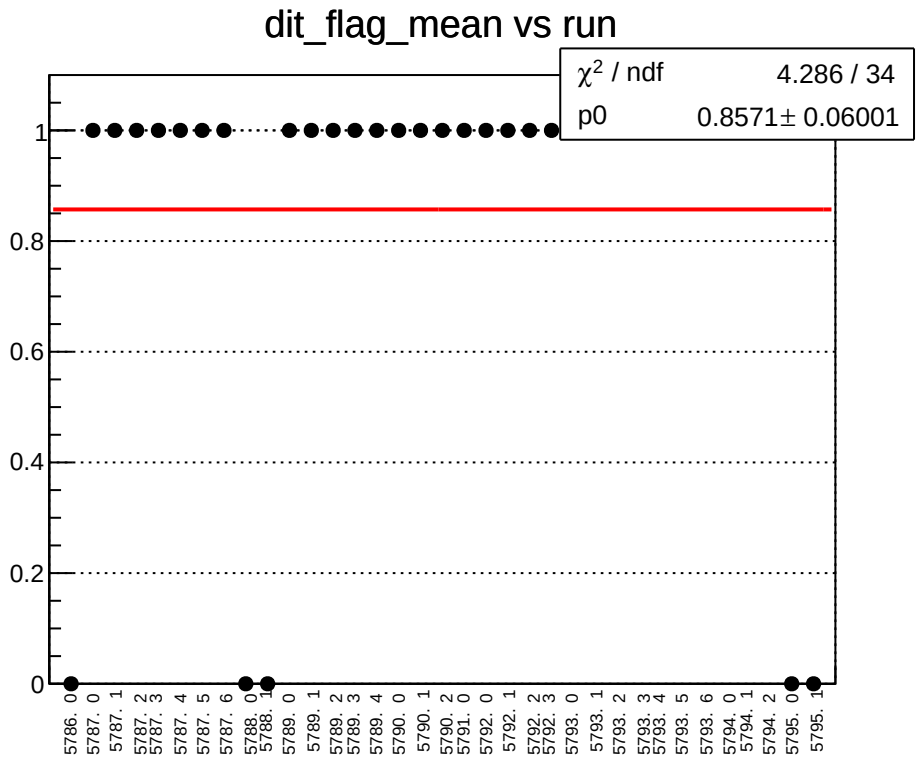

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

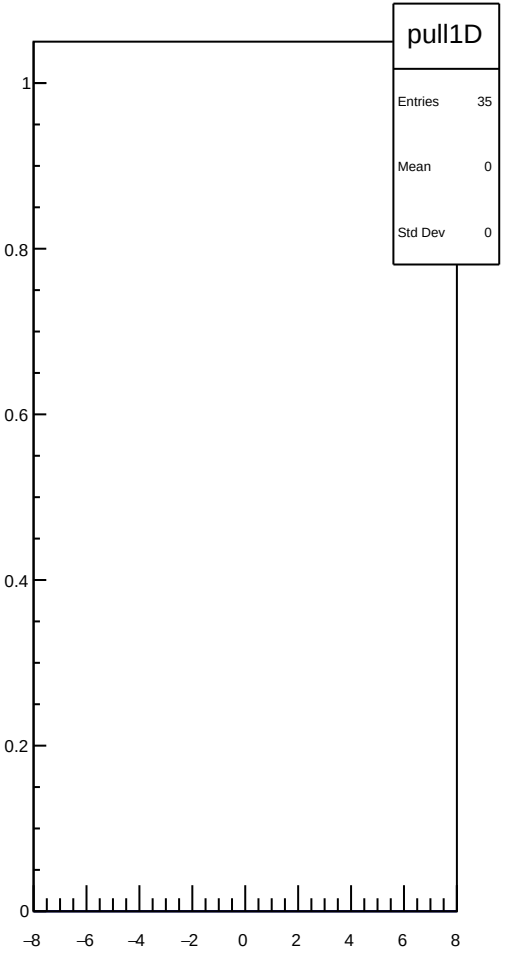

dit_scandata1_rms vs run
χ² / ndf 0 / 34
p0 0 ± 0.169
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

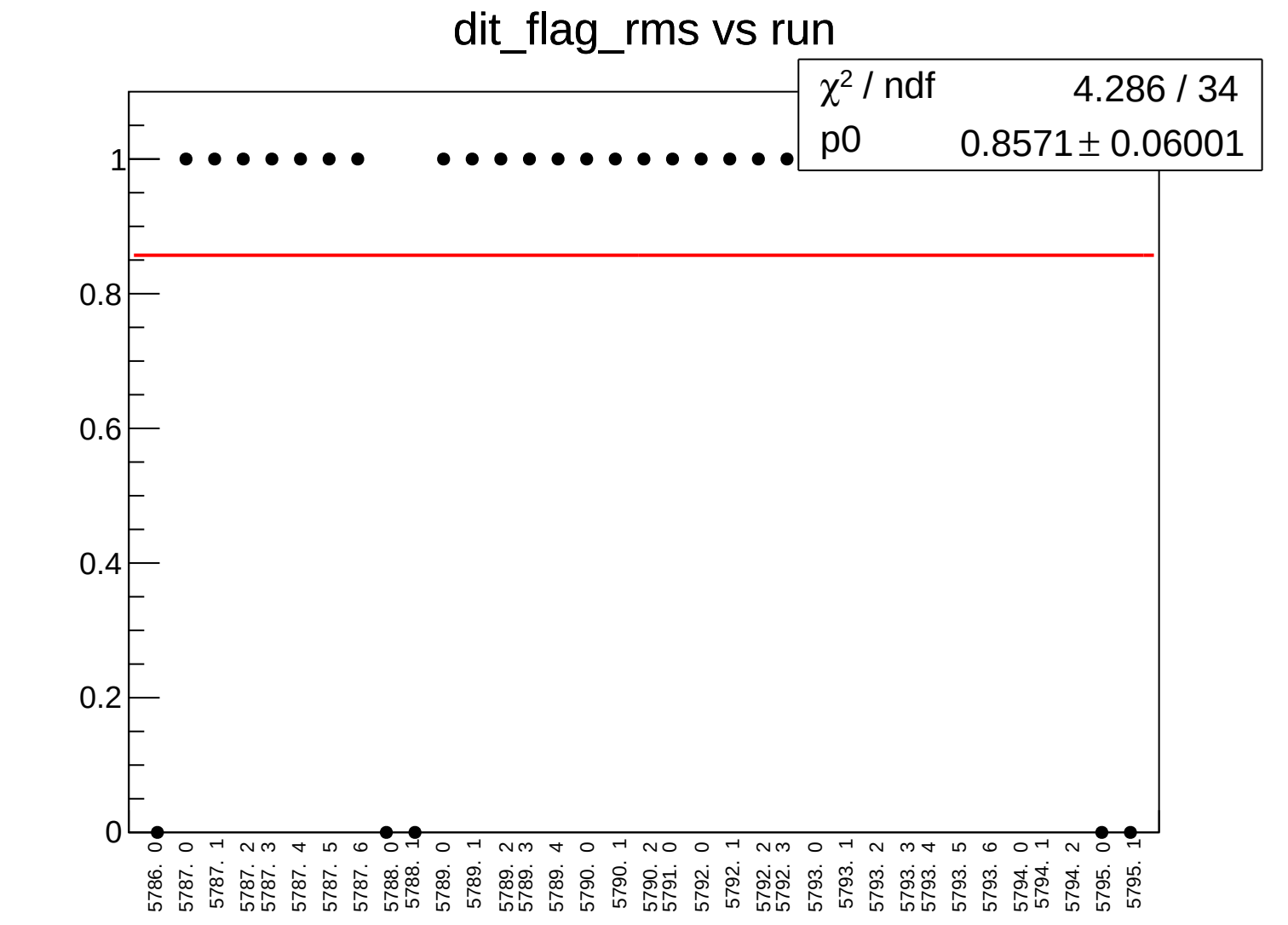

dit_scandata2_mean vs run
χ^2 / ndf 0 / 34
p0 0 ± 0.169
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

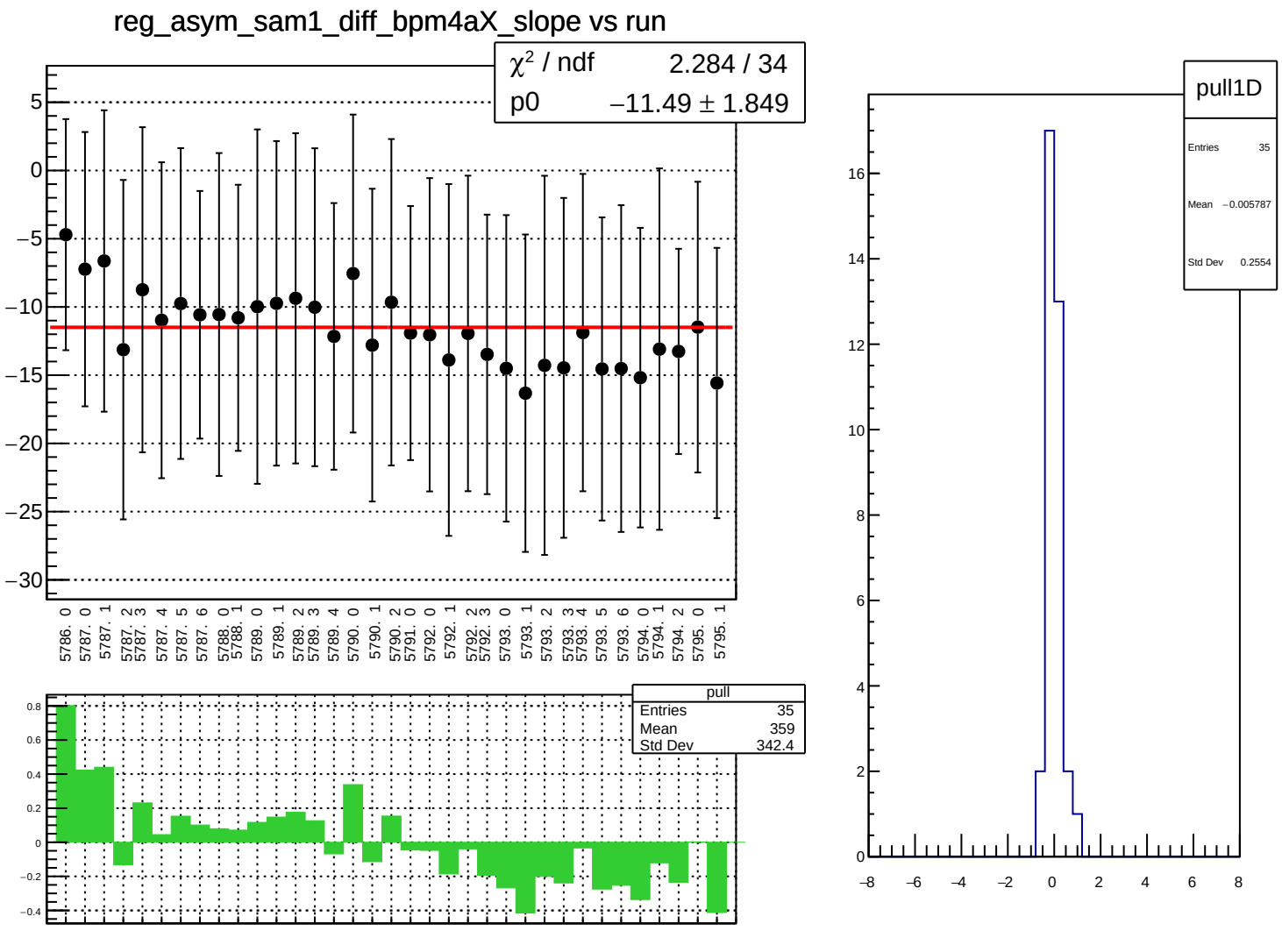

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

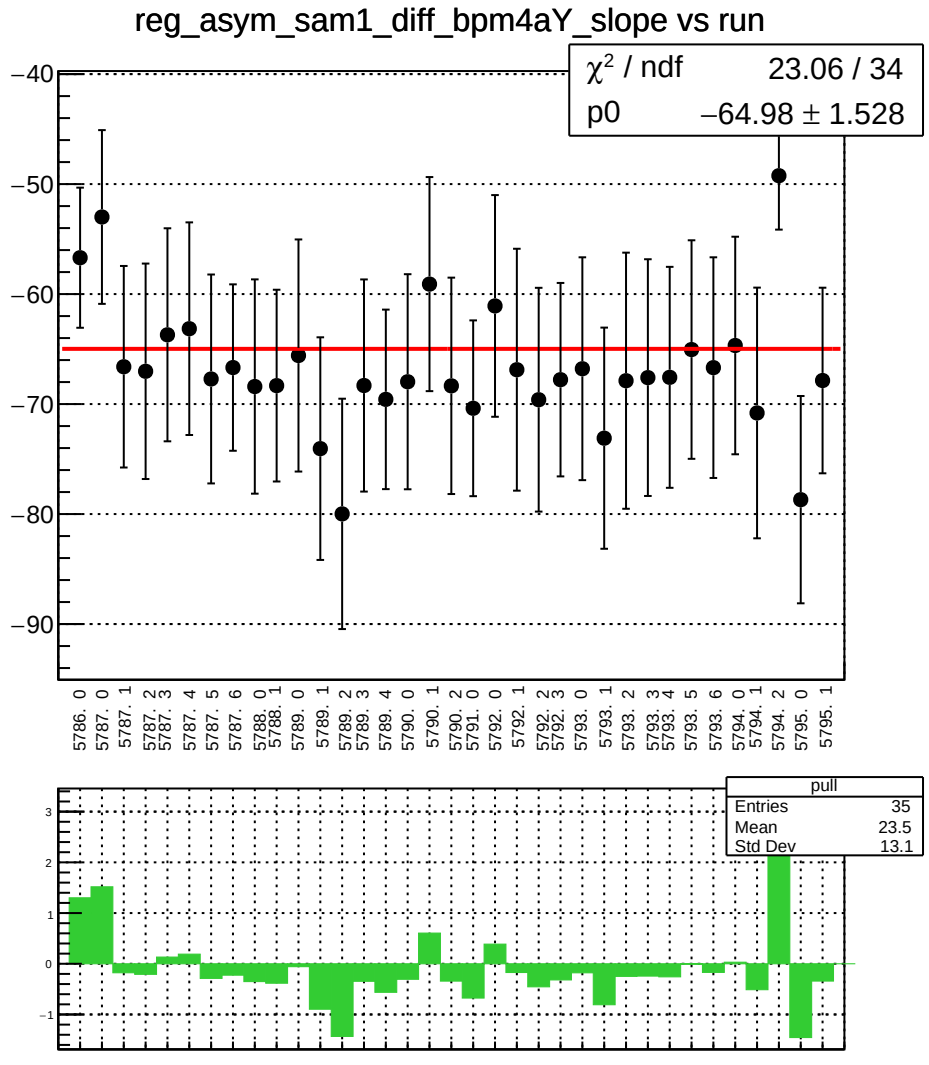

dit_scandata2_rms vs run
χ² / ndf 0 / 34
p0 0 ± 0.169
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

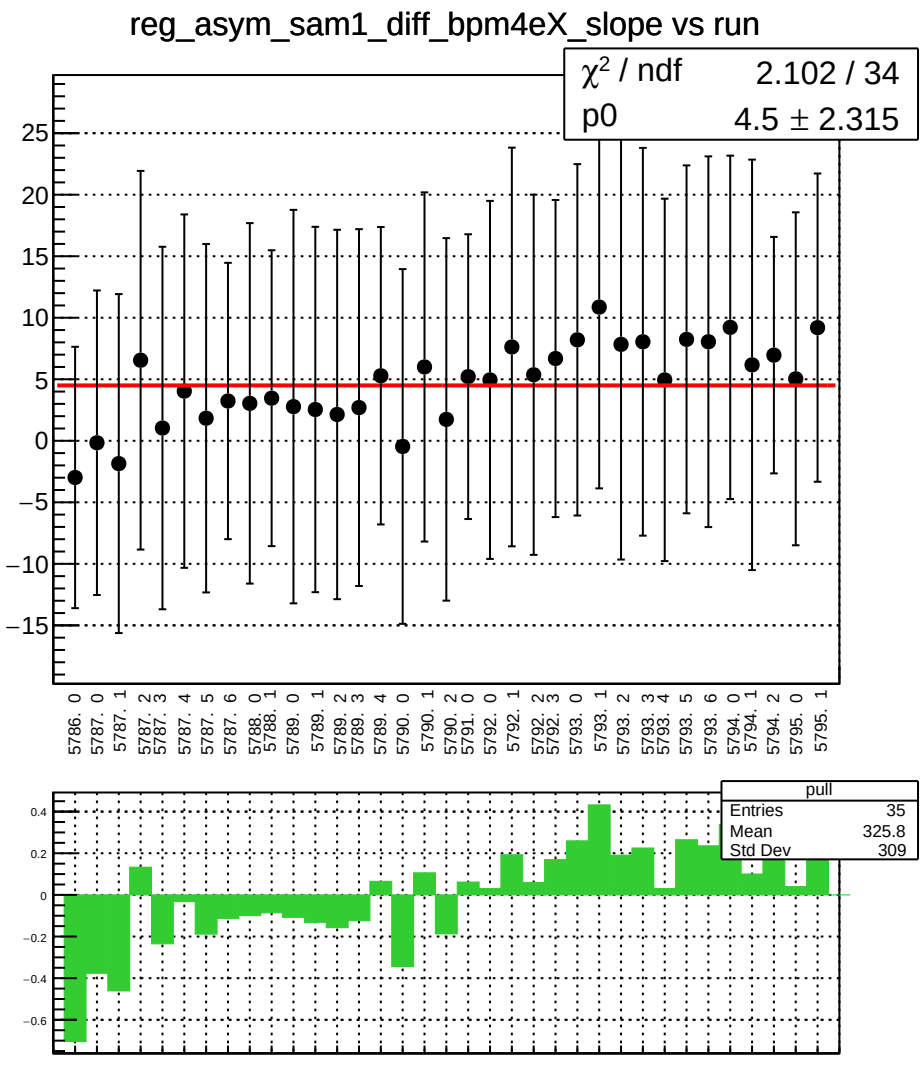

dit_flag_mean vs run
χ² / ndf 4.286 / 34
p0 0.8571± 0.06001
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

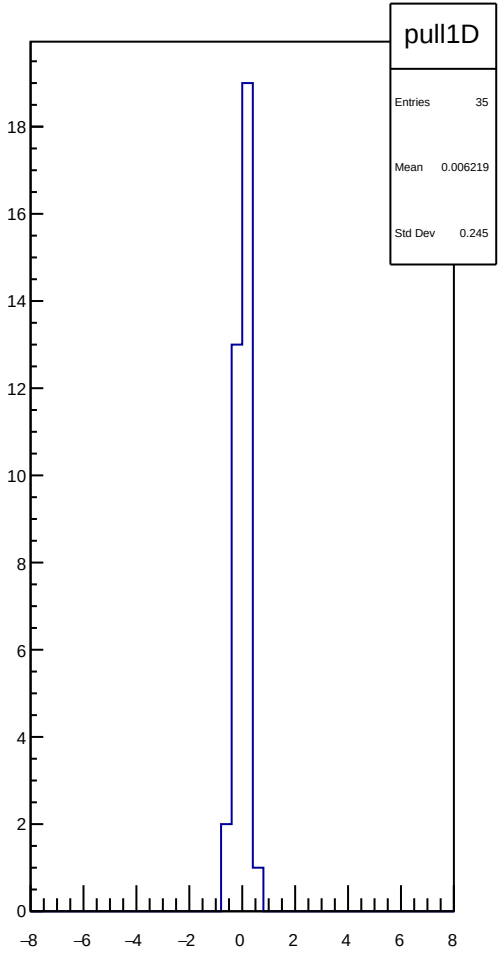

pull1D
Entries 35
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

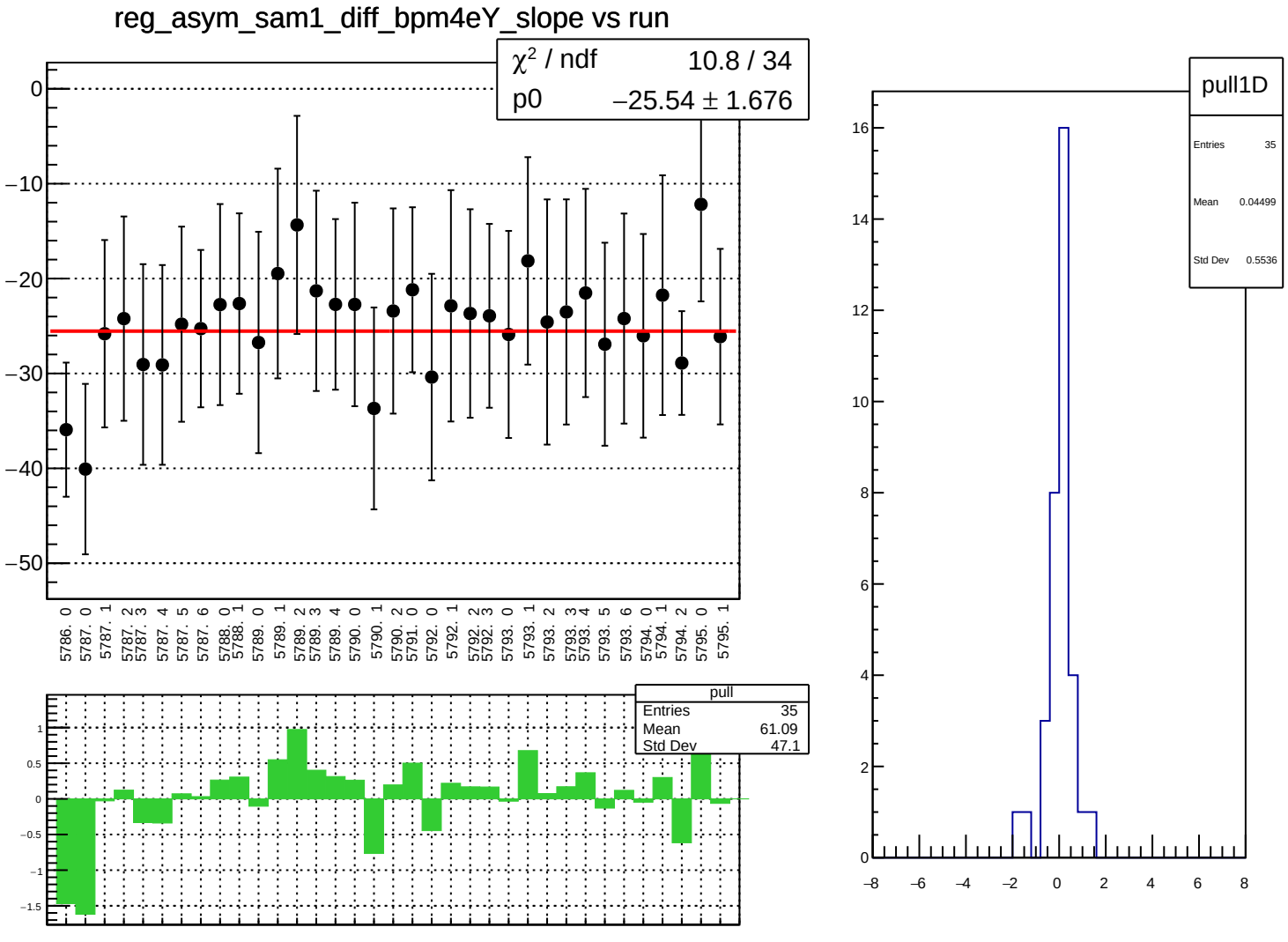

dit_flag_rms vs run
χ² / ndf 4.286 / 34
p0 0.8571 ± 0.06001
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

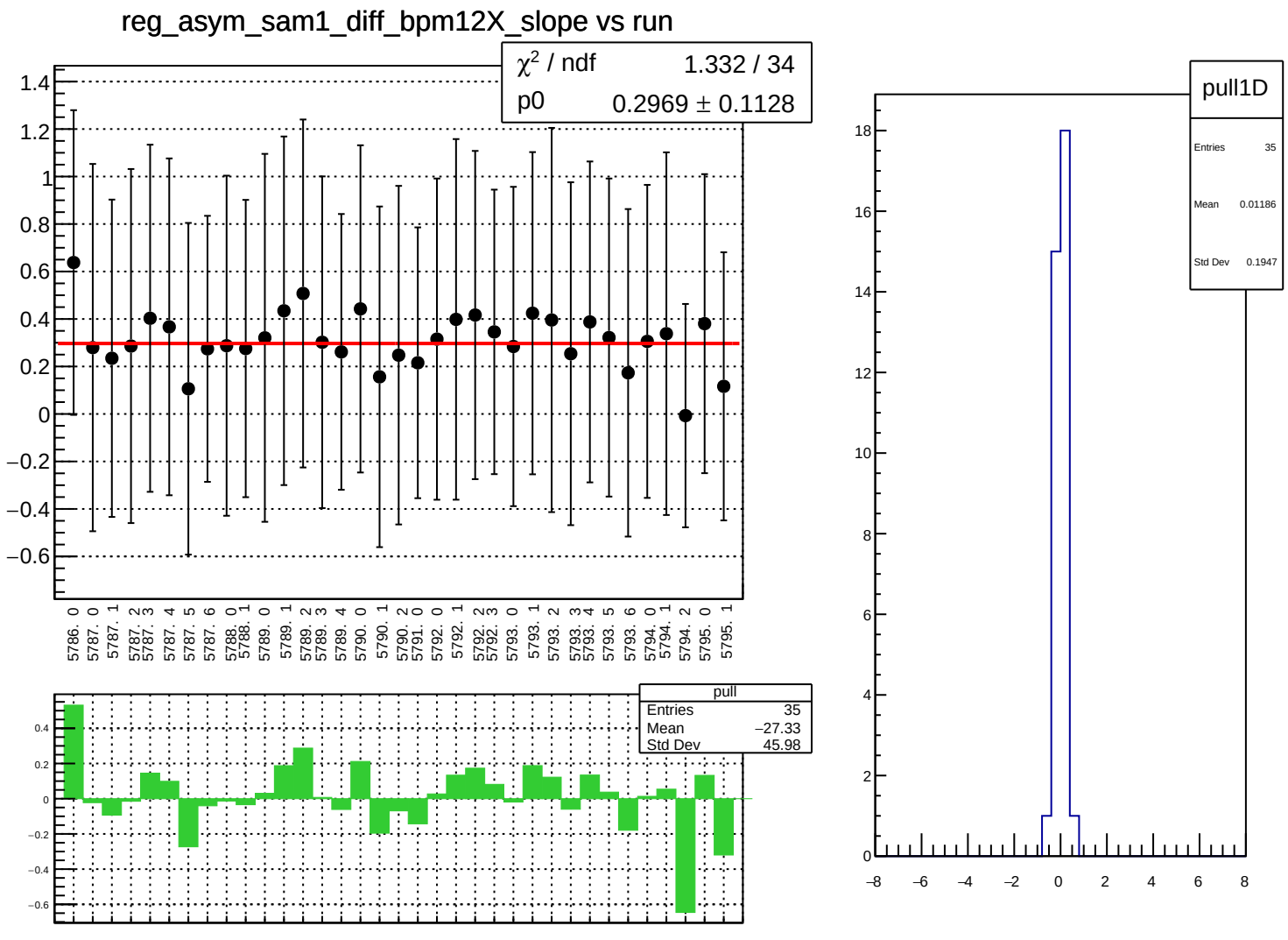

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 2.284 / 34
p0 −11.49 ± 1.849
pull
Entries 35
Mean 359
Std Dev 342.4
pull1D
Entries 35
Mean −0.005787
Std Dev 0.2554

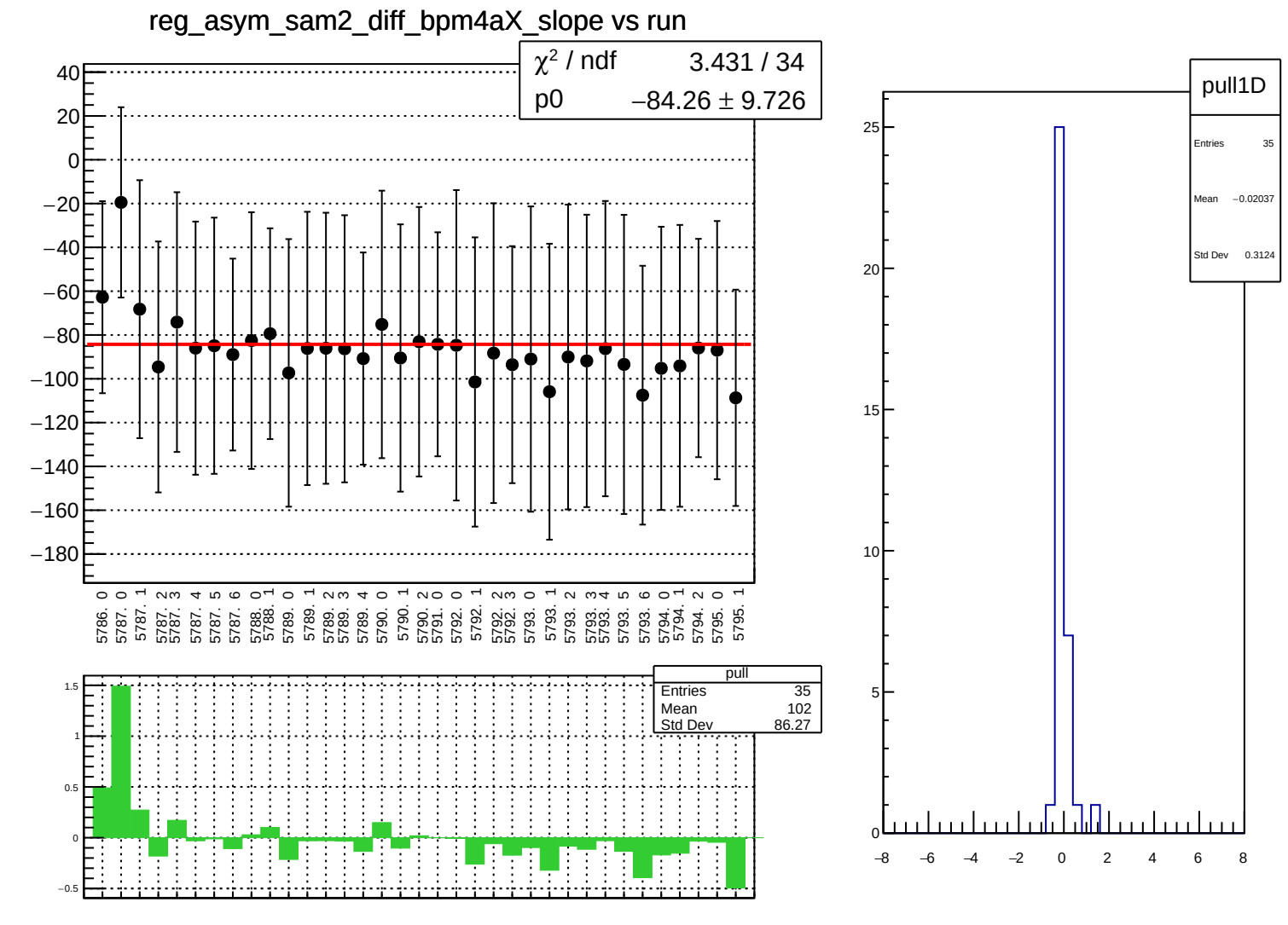

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 23.06 / 34
p0 −64.98 ± 1.528
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 23.5
Std Dev 13.1
3
2
1
0
−1
pull1D
Entries 35
Mean −0.1155
Std Dev 0.8034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

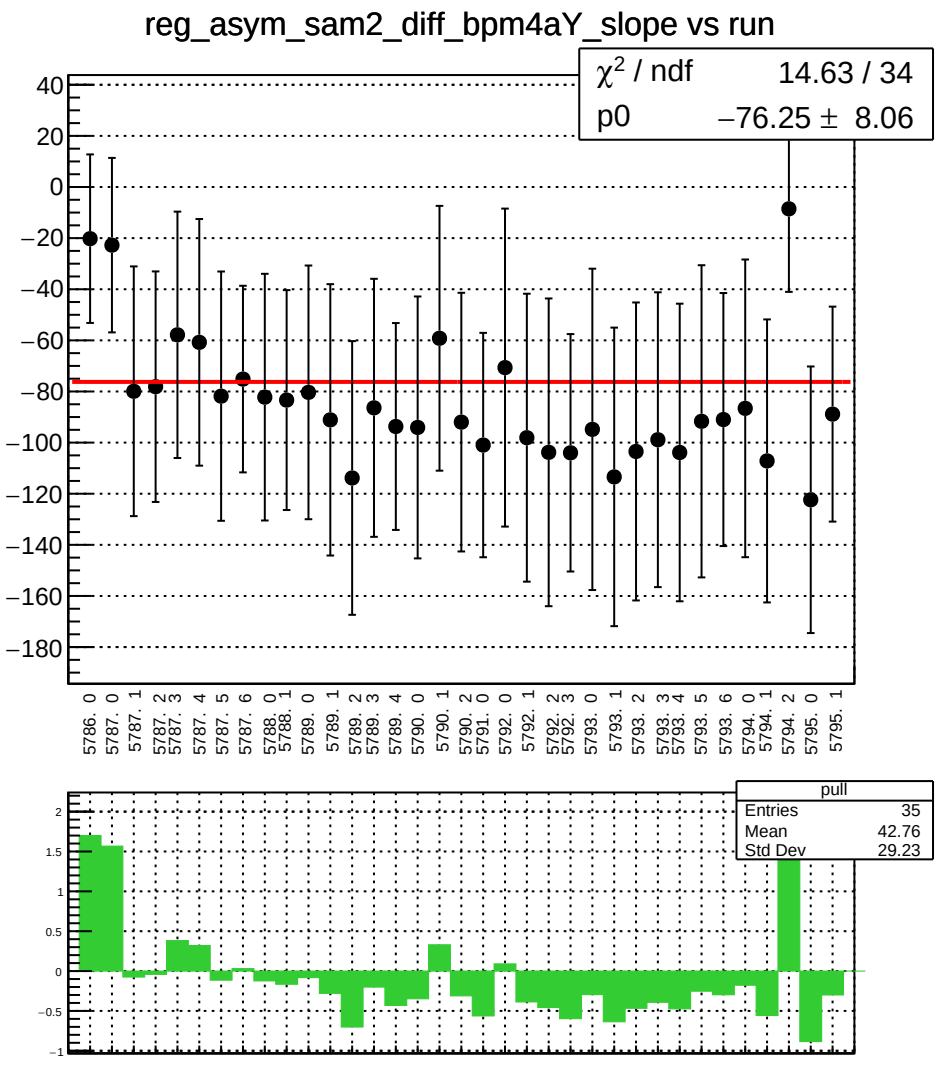

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 2.102 / 34
p0 4.5 ± 2.315
pull
Entries 35
Mean 325.8
Std Dev 309

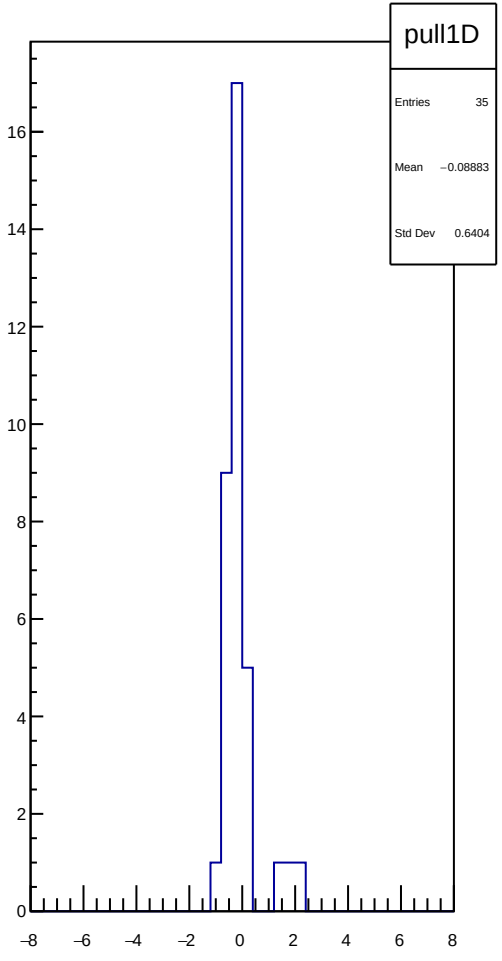

pull1D
Entries 35
Mean 0.006219
Std Dev 0.245

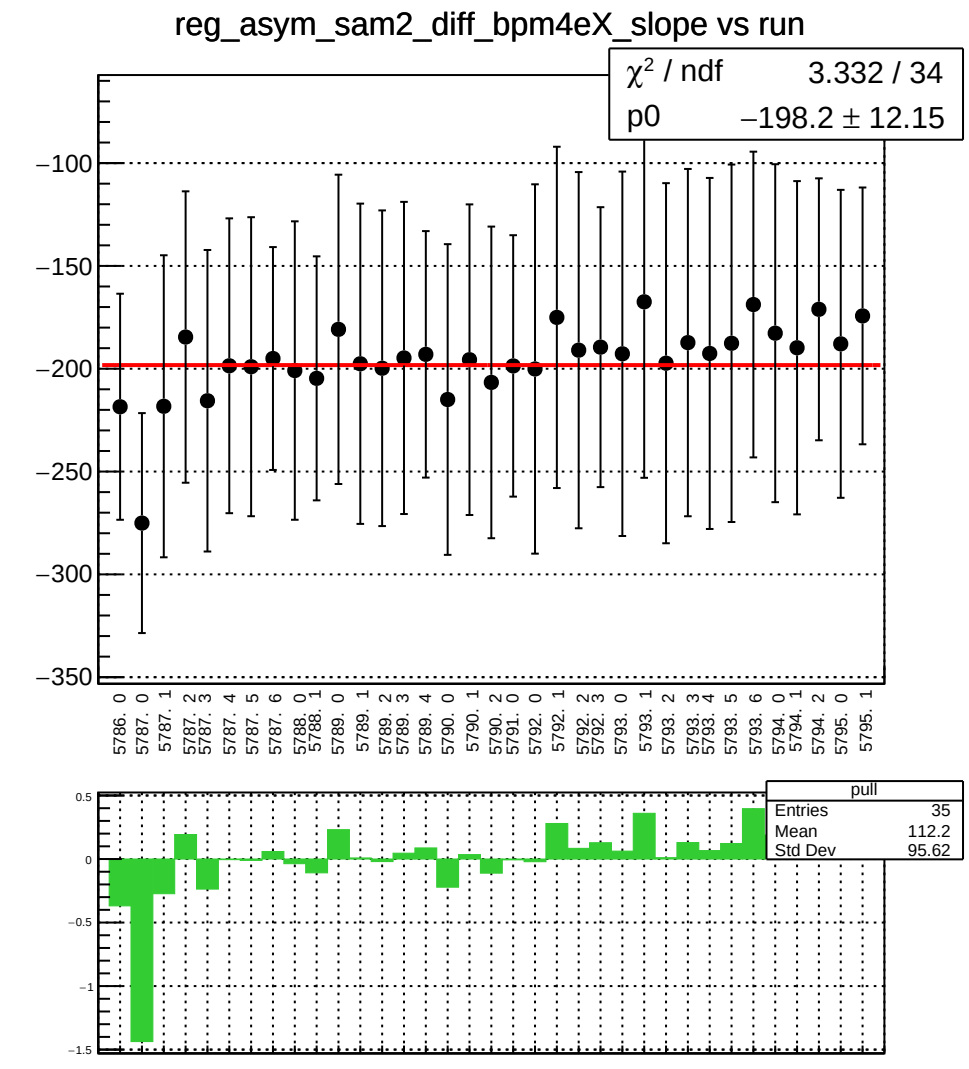

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 10.8 / 34
p0 −25.54 ± 1.676
0
−10
−20
−30
−40
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 61.09
Std Dev 47.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.04499
Std Dev 0.5536
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

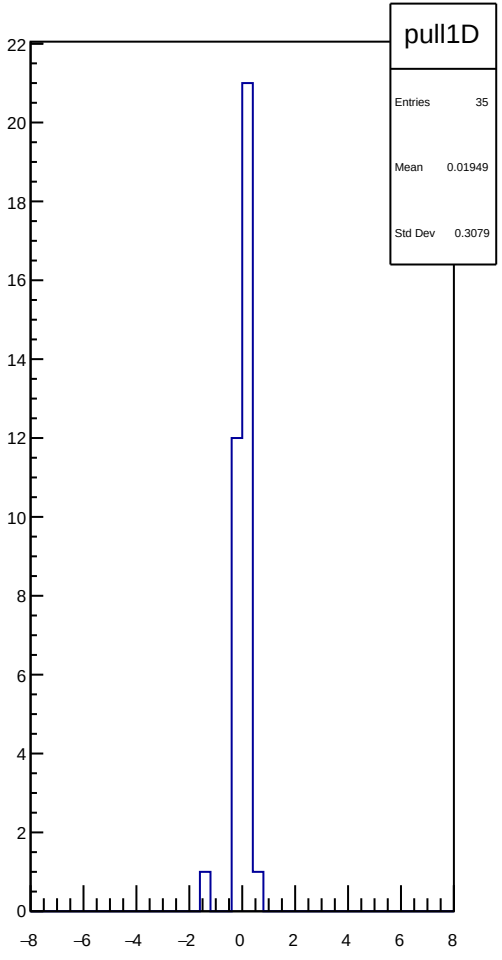

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.332 / 34
p0 0.2969 ± 0.1128
pull
Entries 35
Mean −27.33
Std Dev 45.98
pull1D
Entries 35
Mean 0.01186
Std Dev 0.1947

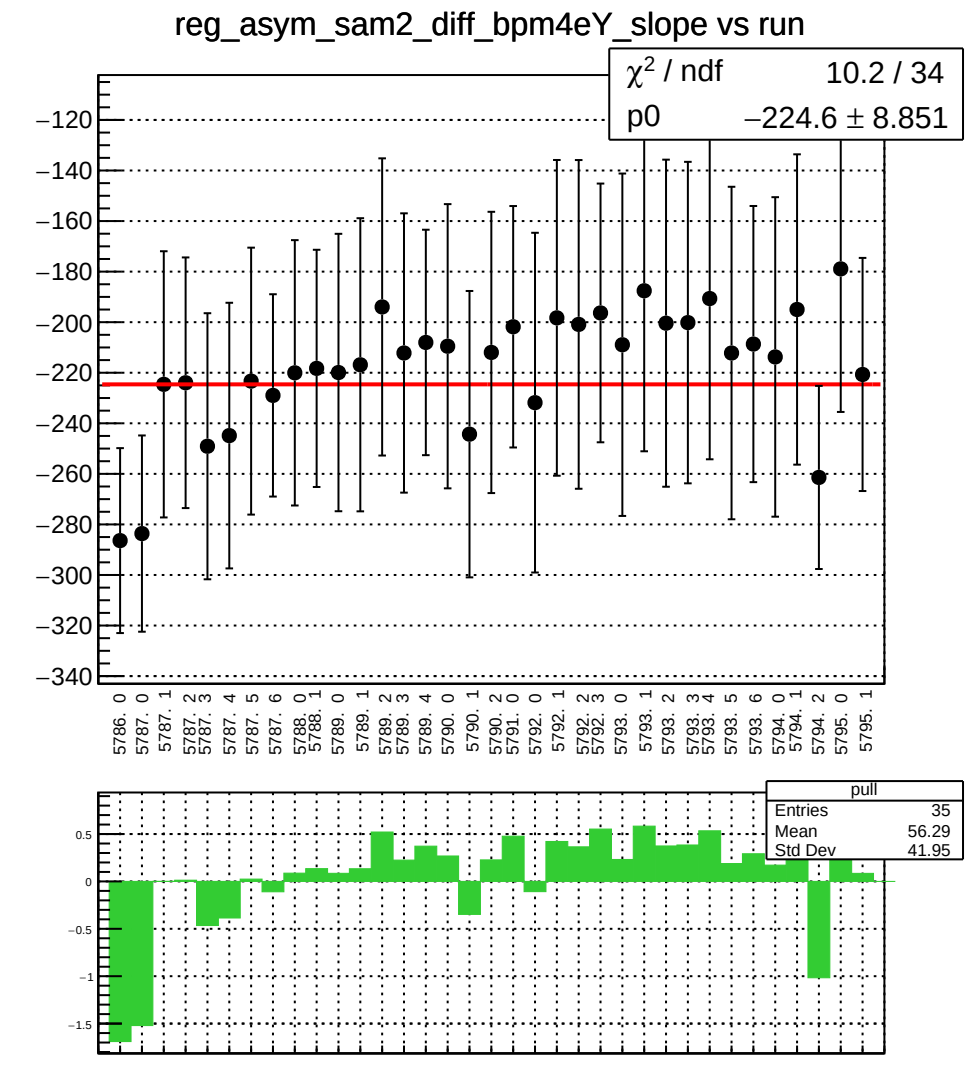

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 3.431 / 34
p0 −84.26 ± 9.726
pull
Entries 35
Mean 102
Std Dev 86.27
pull1D
Entries 35
Mean −0.02037
Std Dev 0.3124

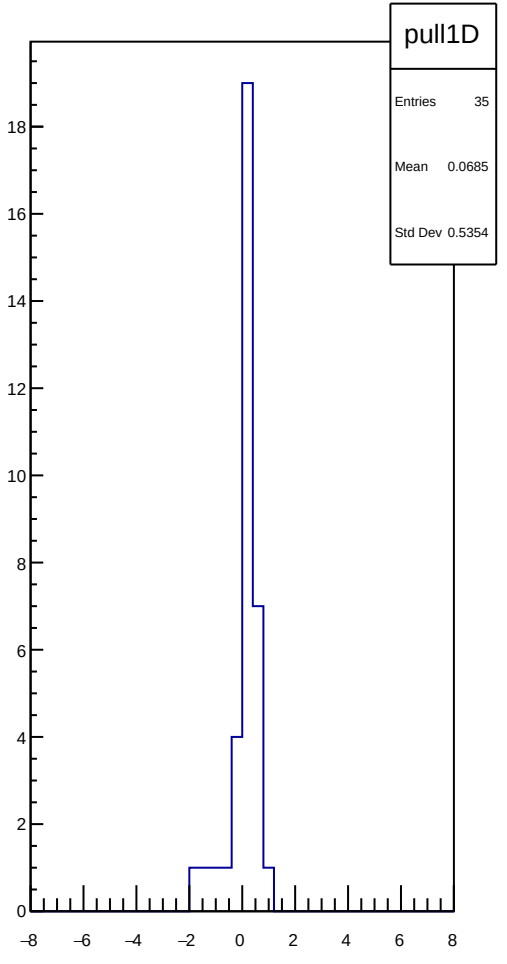

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.63 / 34
p0 −76.25 ± 8.06
pull
Entries 35
Mean 42.76
Std Dev 29.23

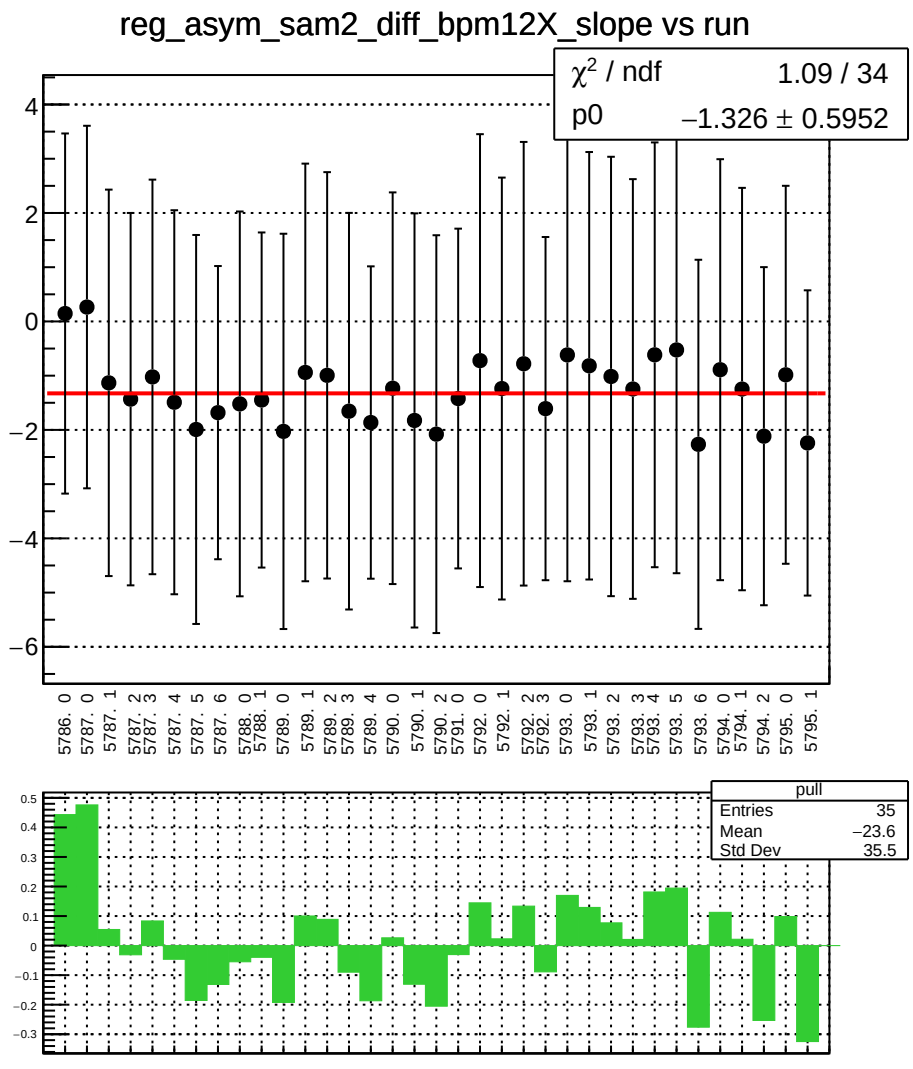

pull1D
Entries 35
Mean −0.08883
Std Dev 0.6404

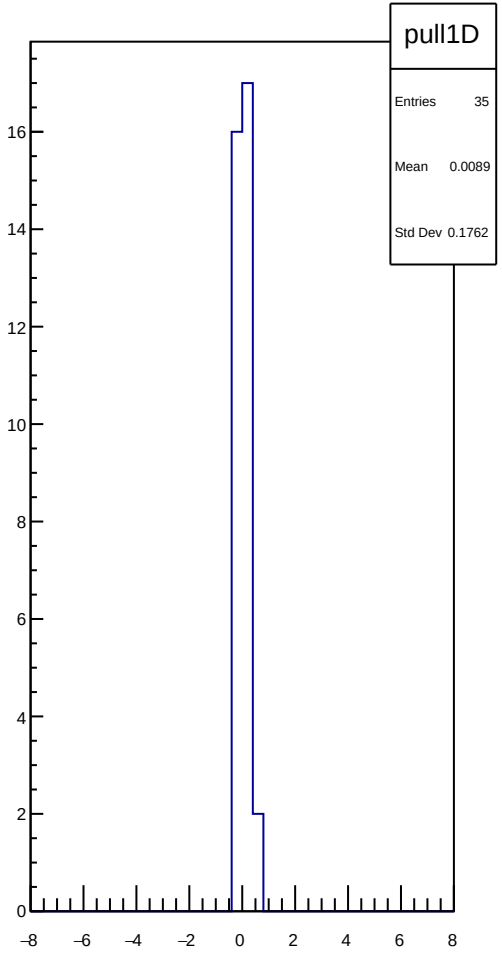

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 3.332 / 34
p0 −198.2 ± 12.15
−100
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 112.2
Std Dev 95.62
0.5
0
−0.5
−1
−1.5

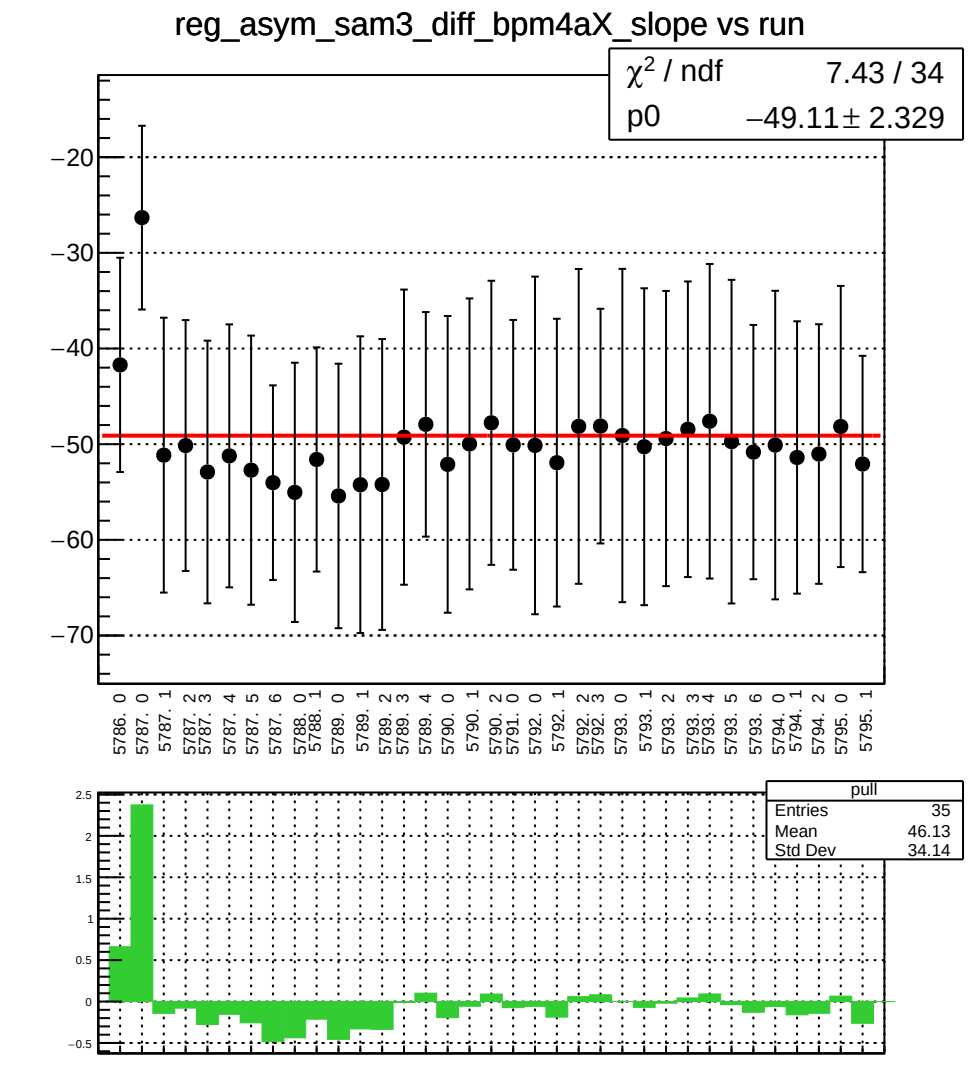

pull1D
Entries 35
Mean 0.01949
Std Dev 0.3079
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

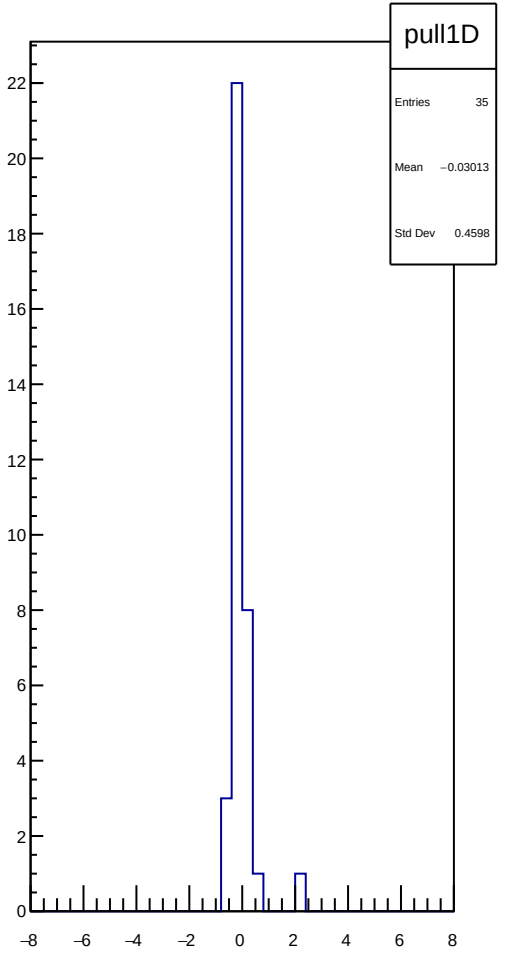

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 10.2 / 34
p0 −224.6 ± 8.851
−120
−140
−160
−180
−200
−220
−240
−260
−280
−300
−320
−340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 56.29
Std Dev 41.95
0.5
0
−0.5
−1
−1.5

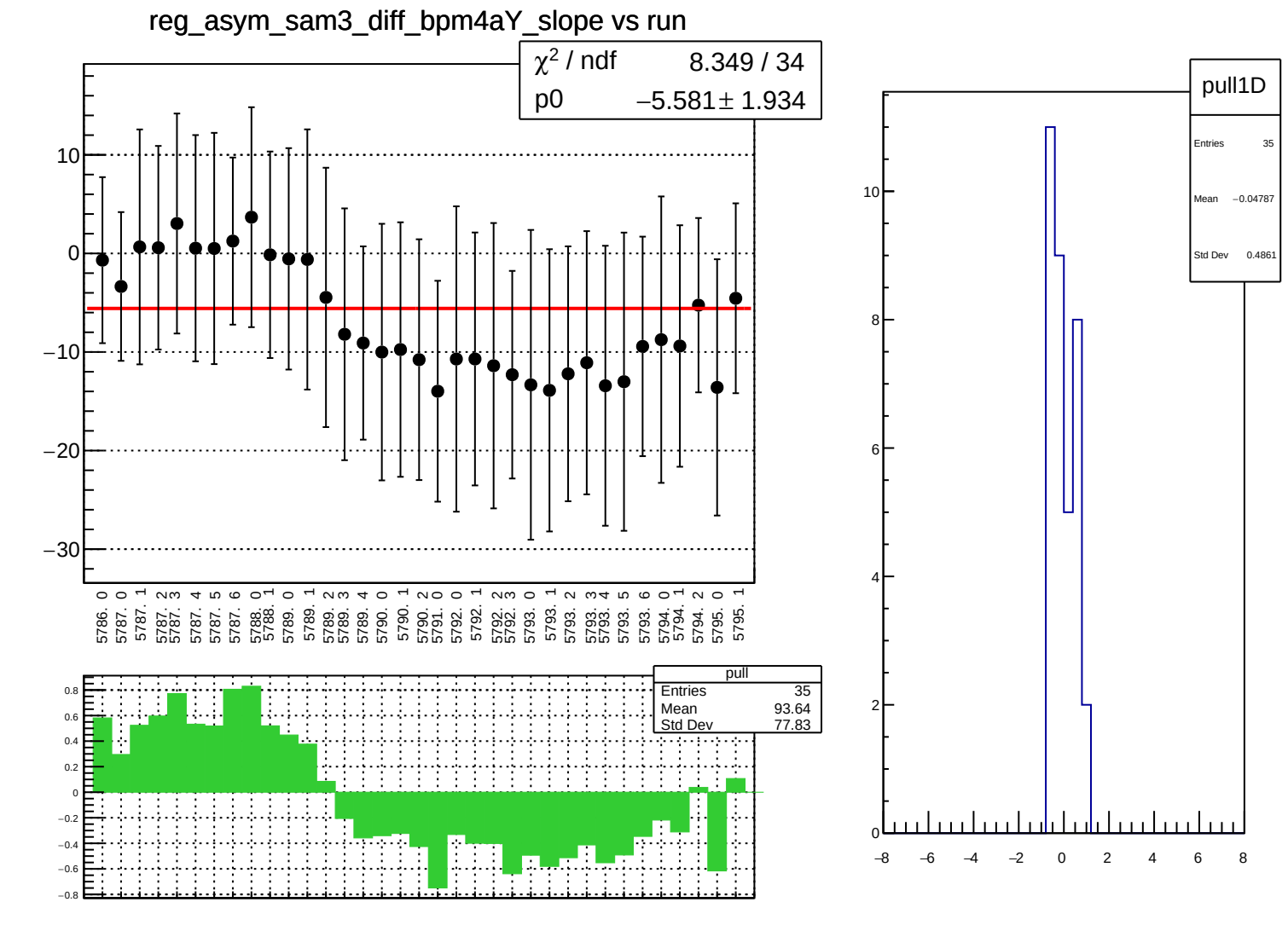

pull1D
Entries 35
Mean 0.0685
Std Dev 0.5354
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

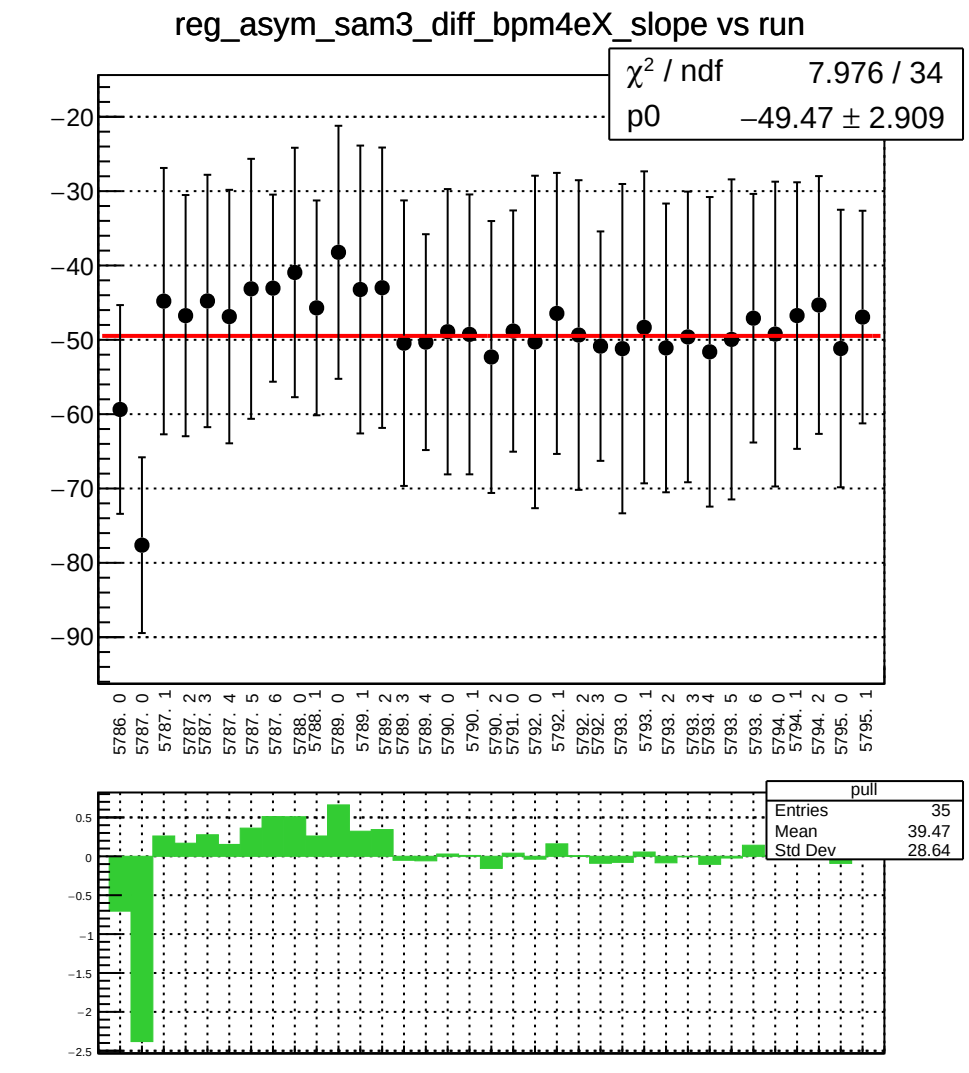

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.09 / 34
p0 −1.326 ± 0.5952
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −23.6
Std Dev 35.5
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

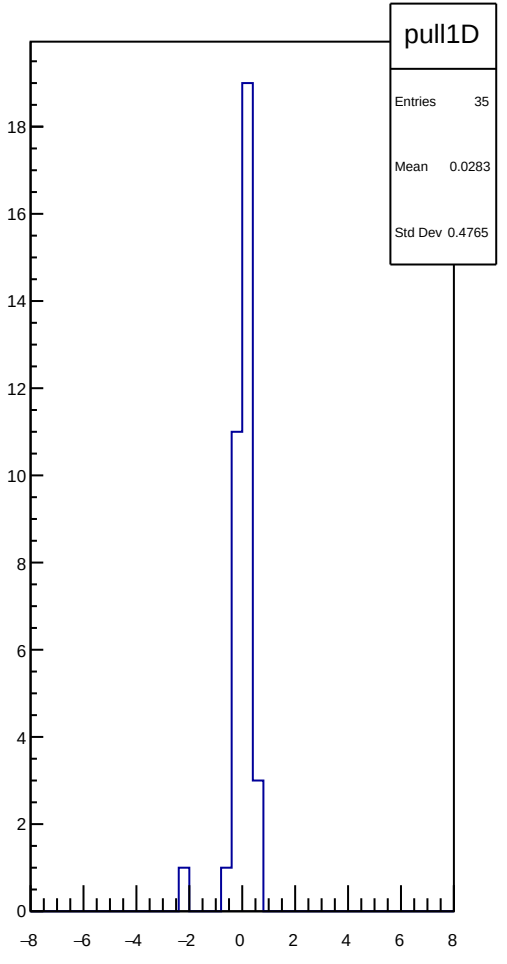

pull1D
Entries 35
Mean 0.0089
Std Dev 0.1762
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

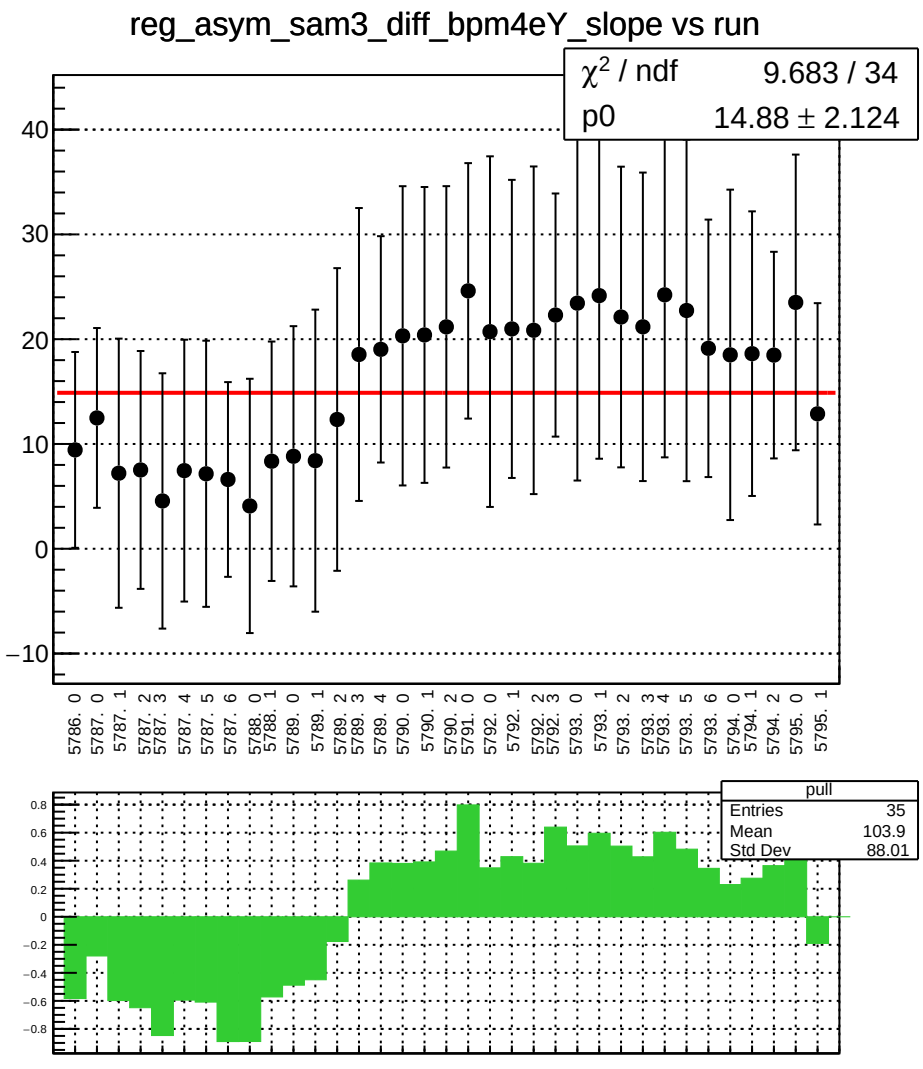

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 7.43 / 34
p0 −49.11 ± 2.329
−20
−30
−40
−50
−60
−70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 46.13
Std Dev 34.14
2.5
2
1.5
1
0.5
0
−0.5

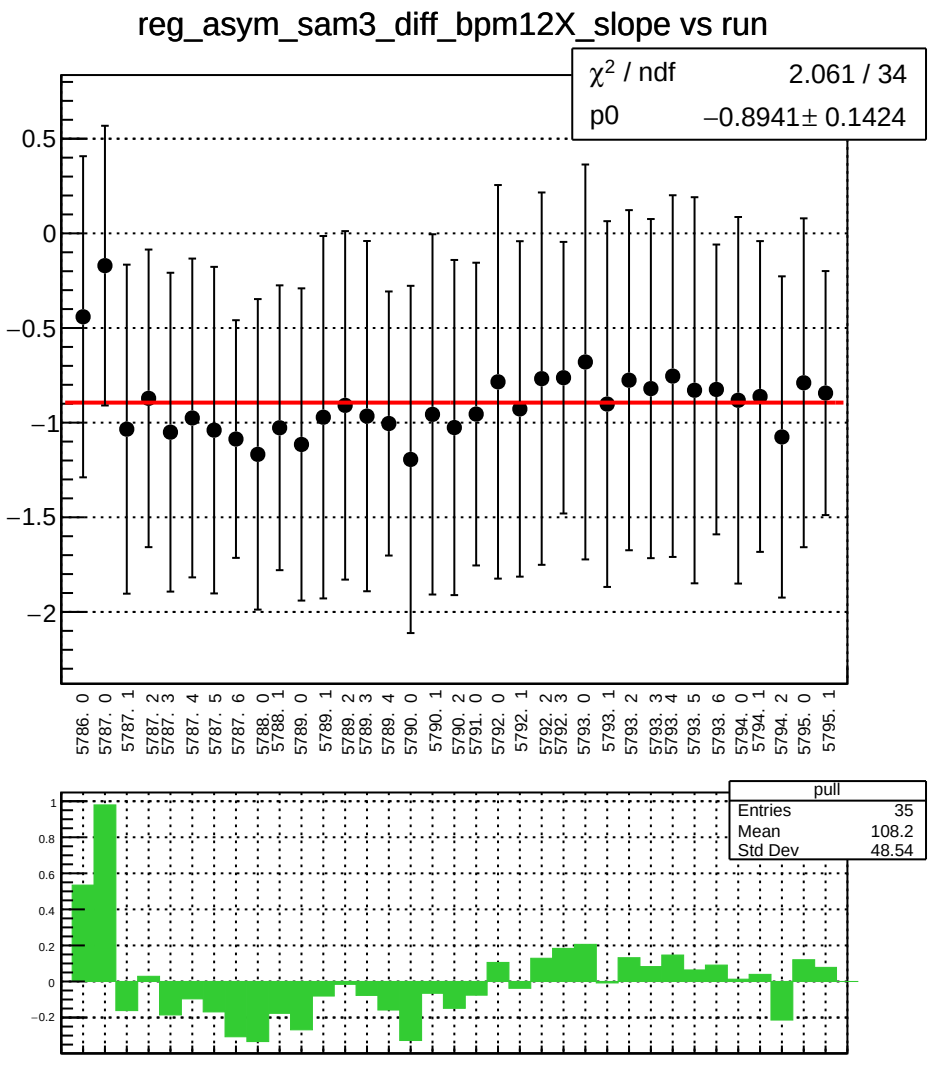

pull1D
Entries 35
Mean −0.03013
Std Dev 0.4598
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

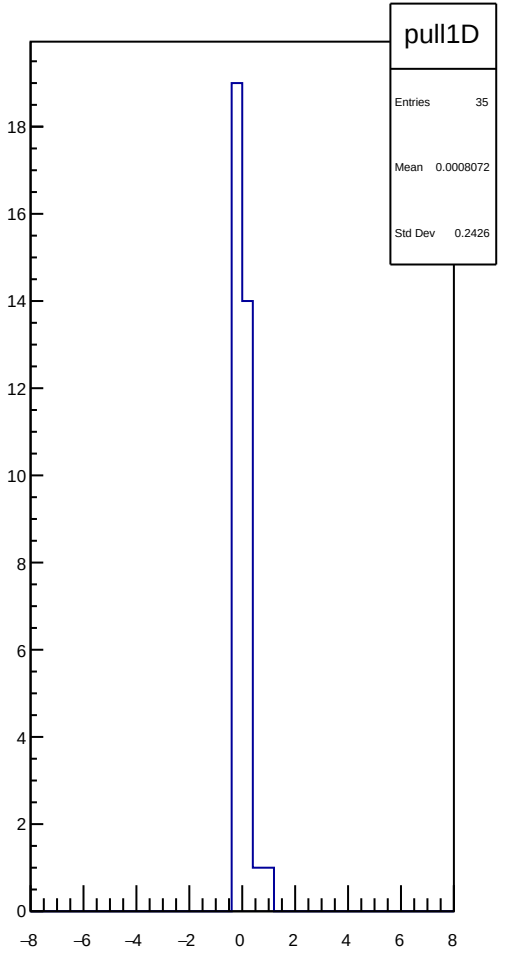

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 8.349 / 34
p0 −5.581± 1.934
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 93.64
Std Dev 77.83
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.04787
Std Dev 0.4861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

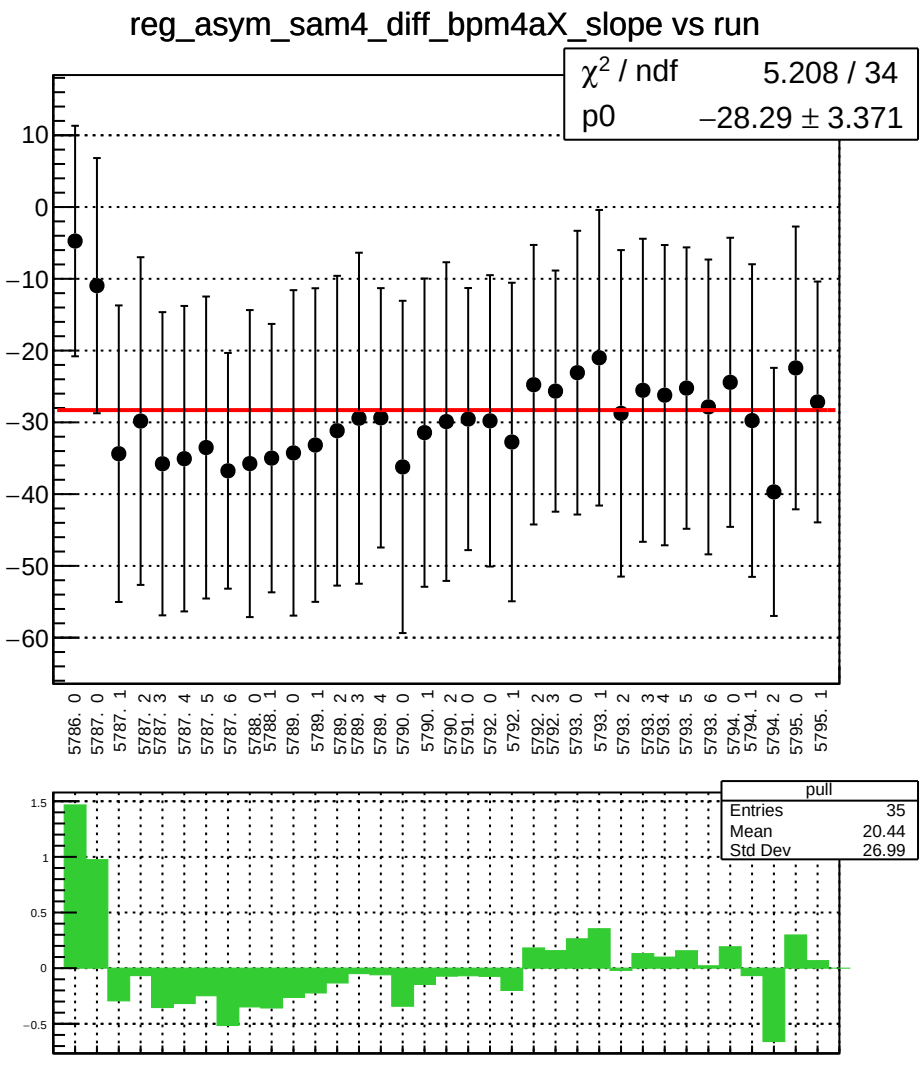

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.976 / 34
p0 −49.47 ± 2.909
−20
−30
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 39.47
Std Dev 28.64
0.5
0
−0.5
−1
−1.5
−2
−2.5

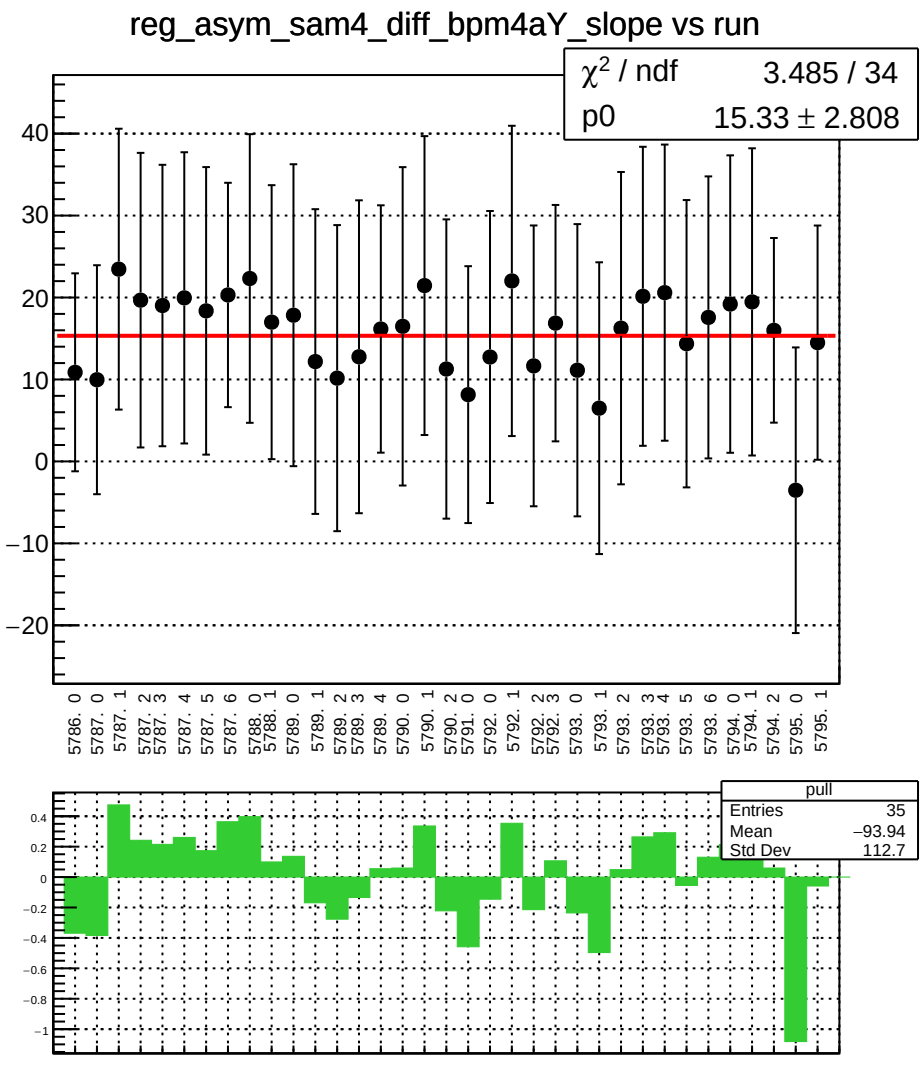

pull1D
Entries 35
Mean 0.0283
Std Dev 0.4765
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

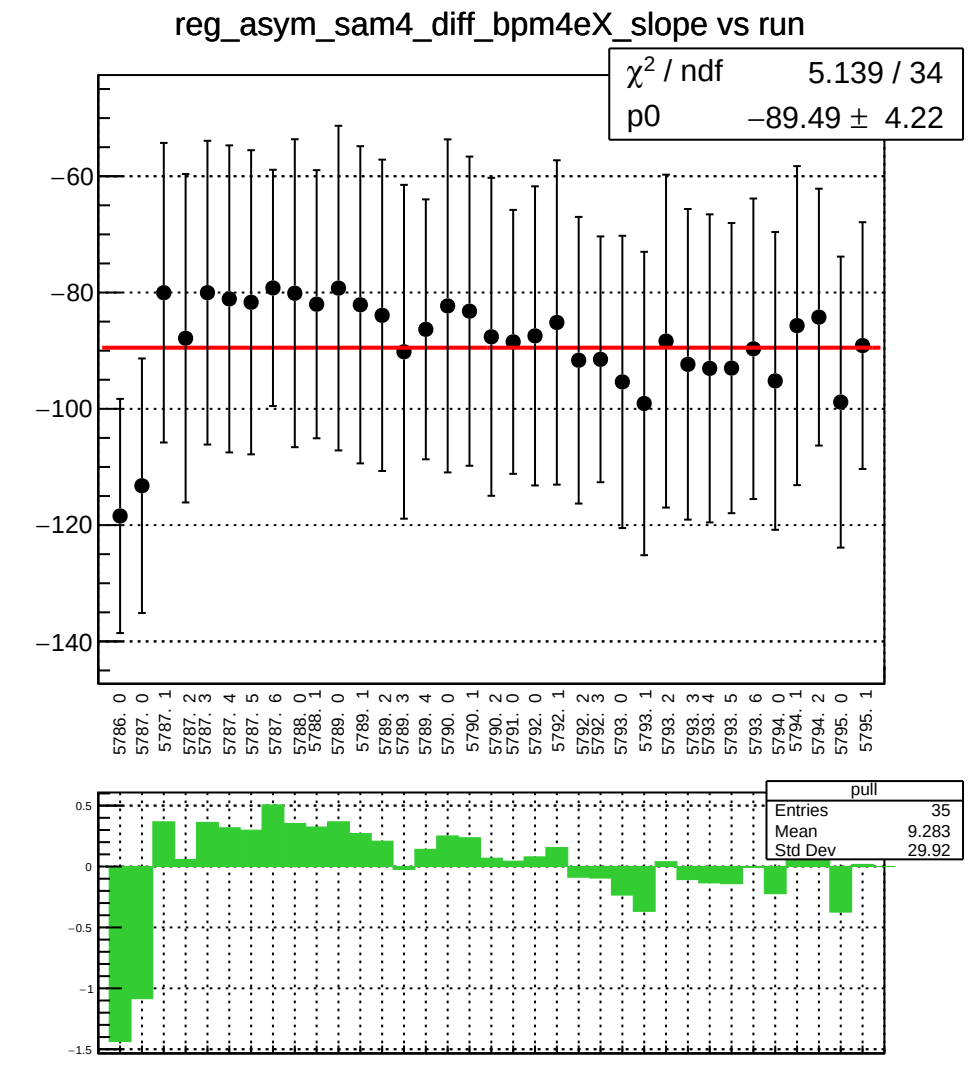

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 9.683 / 34
p0 14.88 ± 2.124
40
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 103.9
Std Dev 88.01
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.04607
Std Dev 0.524
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

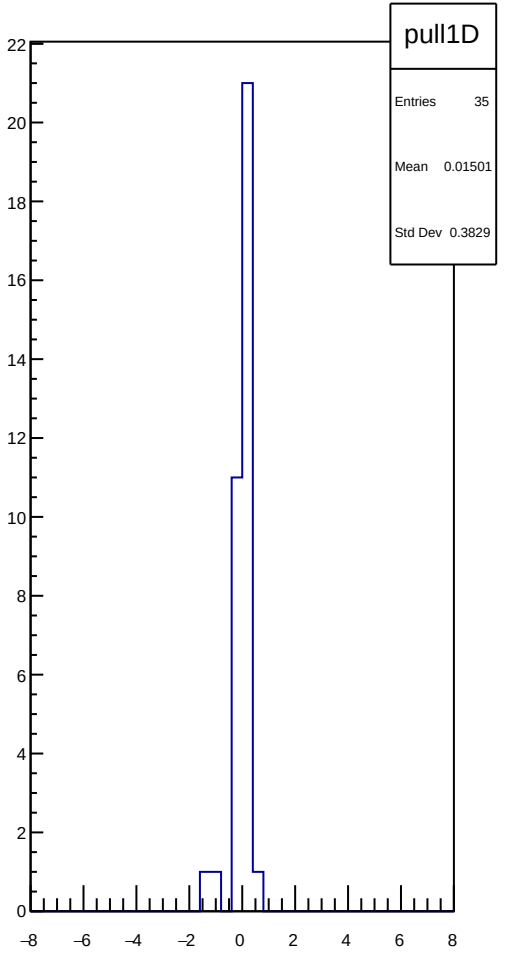

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.061 / 34
p0 −0.8941± 0.1424
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 108.2
Std Dev 48.54
1
0.8
0.6
0.4
0.2
0
−0.2

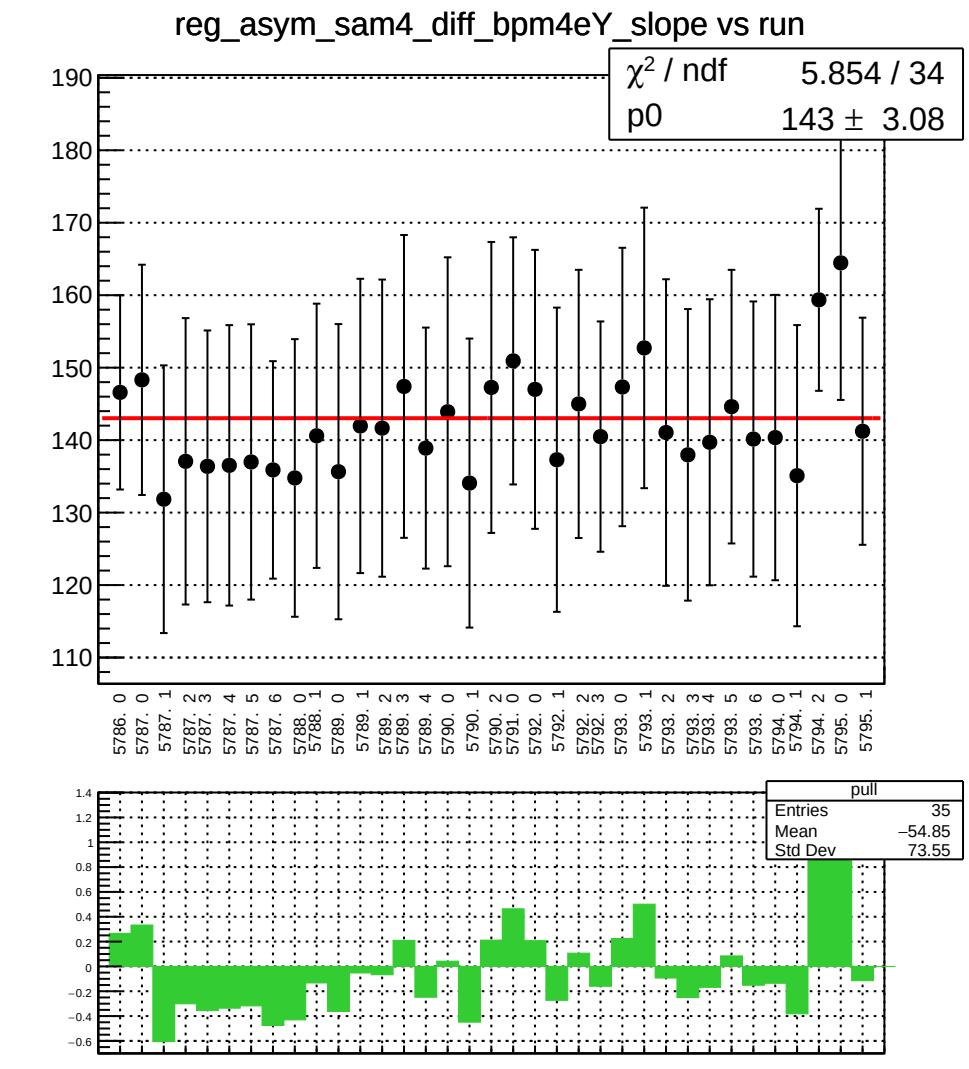

pull1D
Entries 35
Mean 0.0008072
Std Dev 0.2426
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

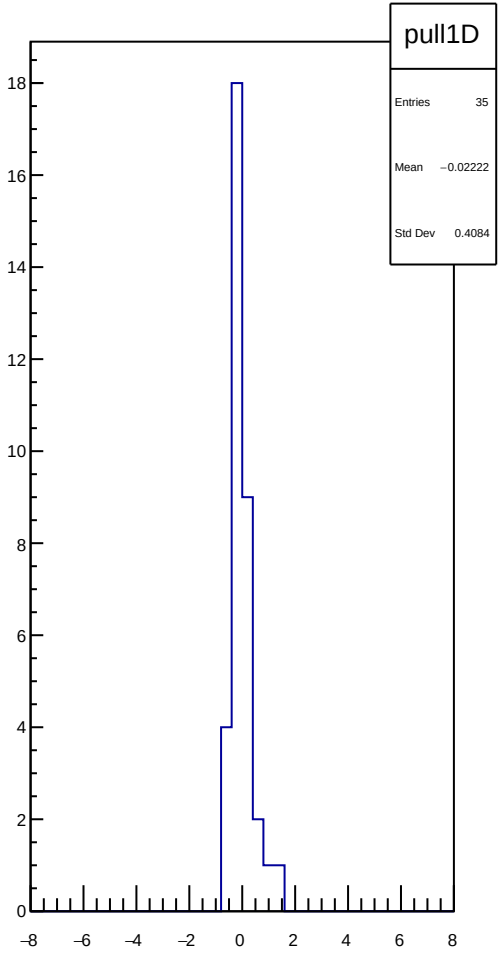

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 5.208 / 34
p0 −28.29 ± 3.371
10
0
−10
−20
−30
−40
−50
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 20.44
Std Dev 26.99
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.01464
Std Dev 0.3855
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

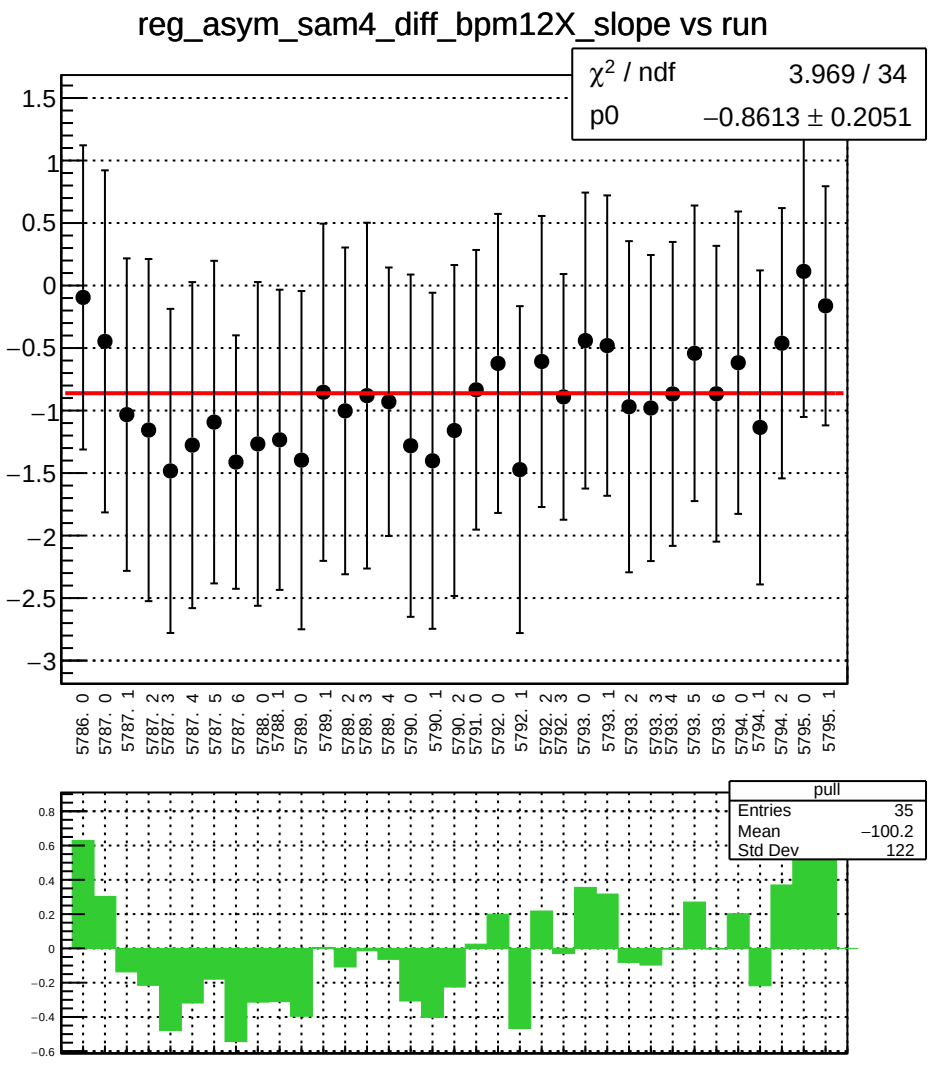

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.485 / 34
p0 15.33 ± 2.808
40
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −93.94
Std Dev 112.7
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean 0.005736
Std Dev 0.3155
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

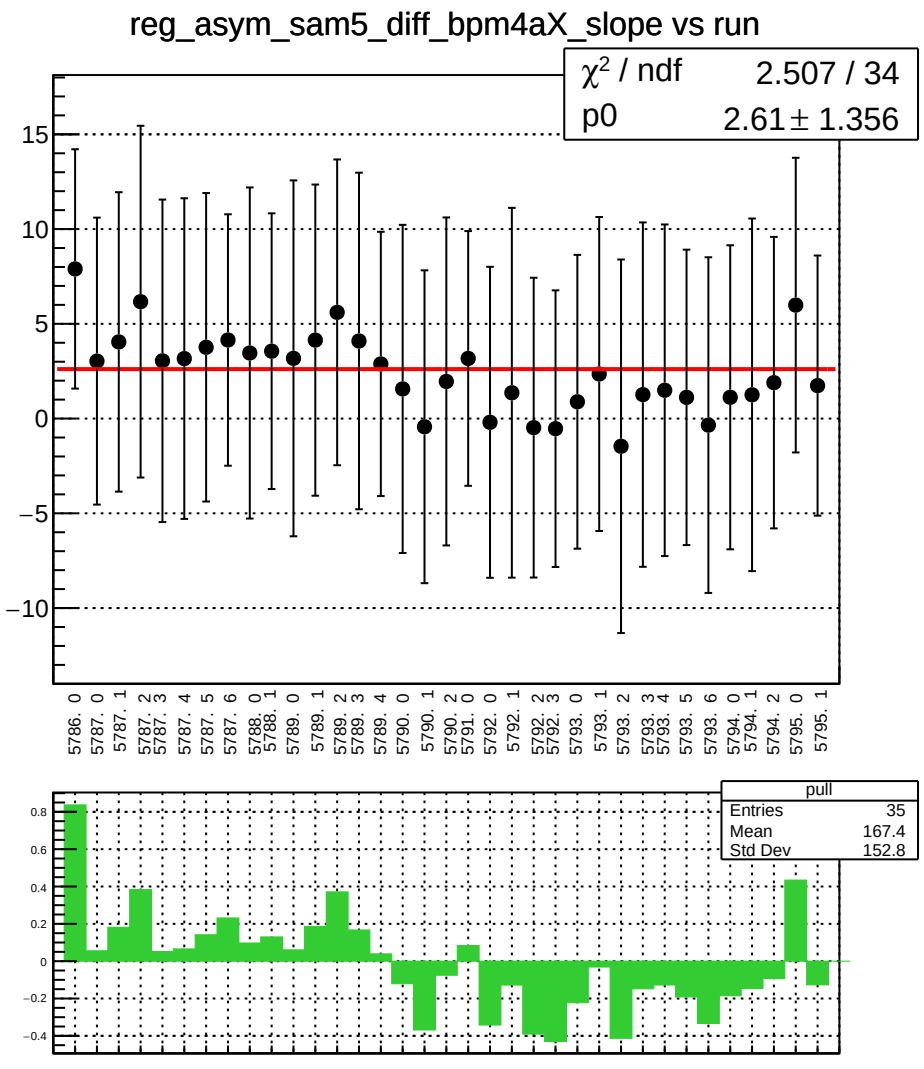

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.139 / 34
p0 −89.49 ± 4.22
−60
−80
−100
−120
−140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 9.283
Std Dev 29.92
0.5
0
−0.5
−1
−1.5

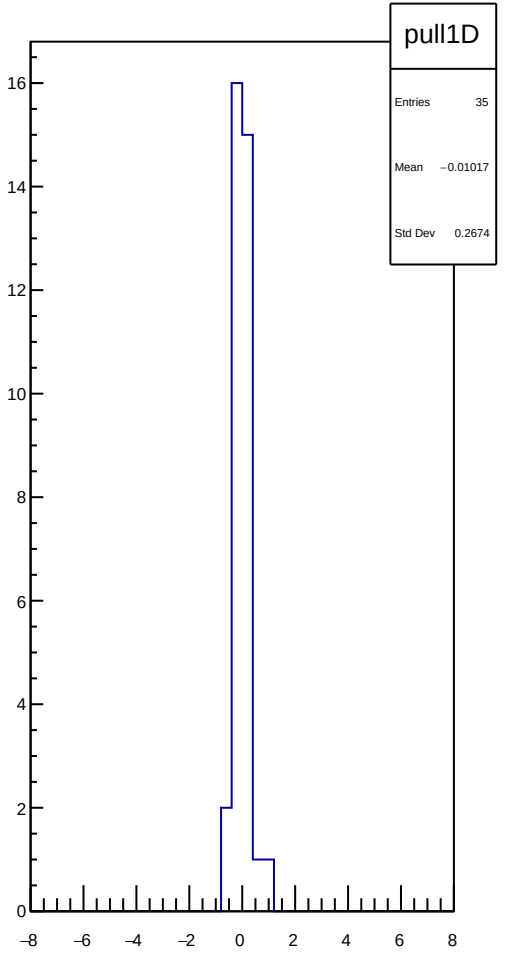

pull1D
Entries 35
Mean 0.01501
Std Dev 0.3829
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

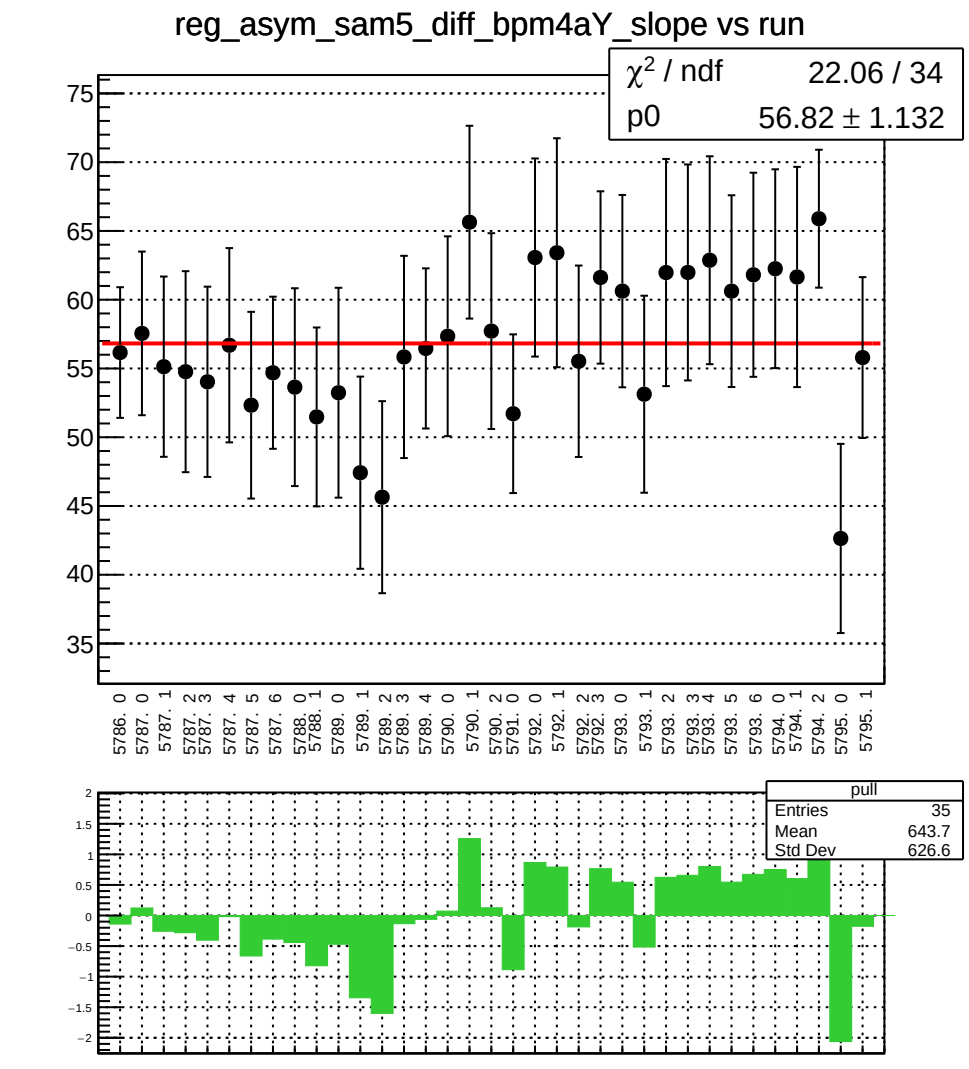

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 5.854 / 34
p0 143 ± 3.08
pull
Entries 35
Mean −54.85
Std Dev 73.55

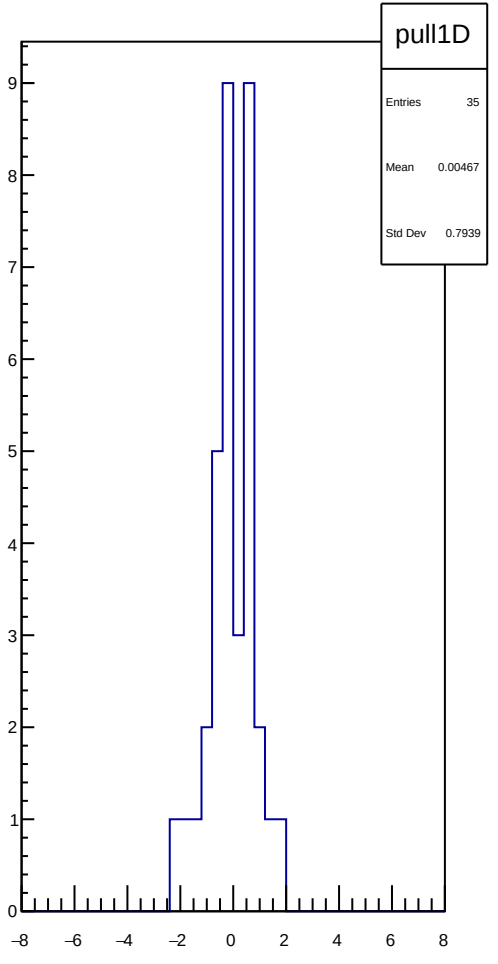

pull1D
Entries 35
Mean −0.02222
Std Dev 0.4084

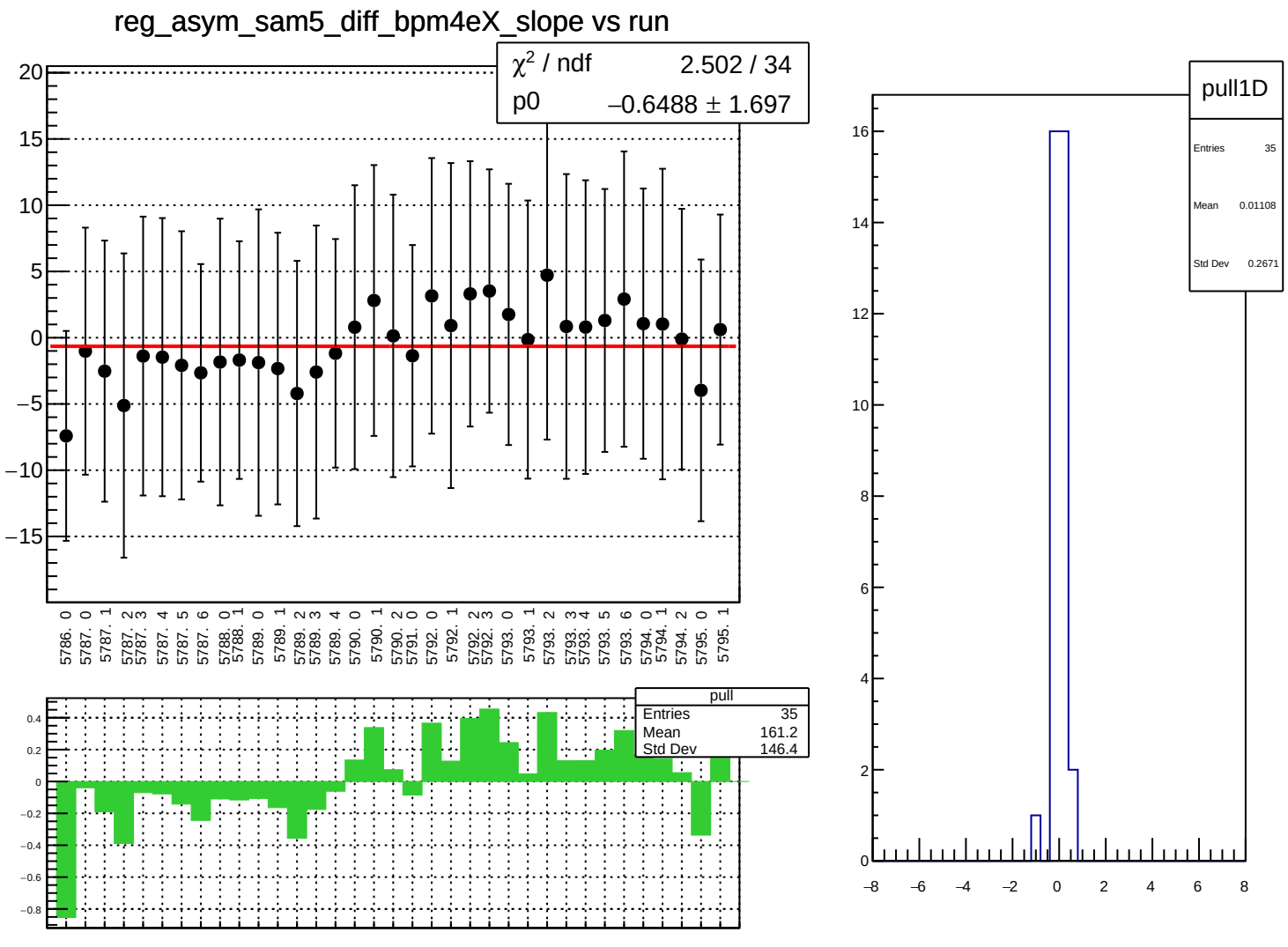

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.969 / 34
p0 −0.8613 ± 0.2051
pull
Entries 35
Mean −100.2
Std Dev 122
pull1D
Entries 35
Mean −0.01291
Std Dev 0.3365

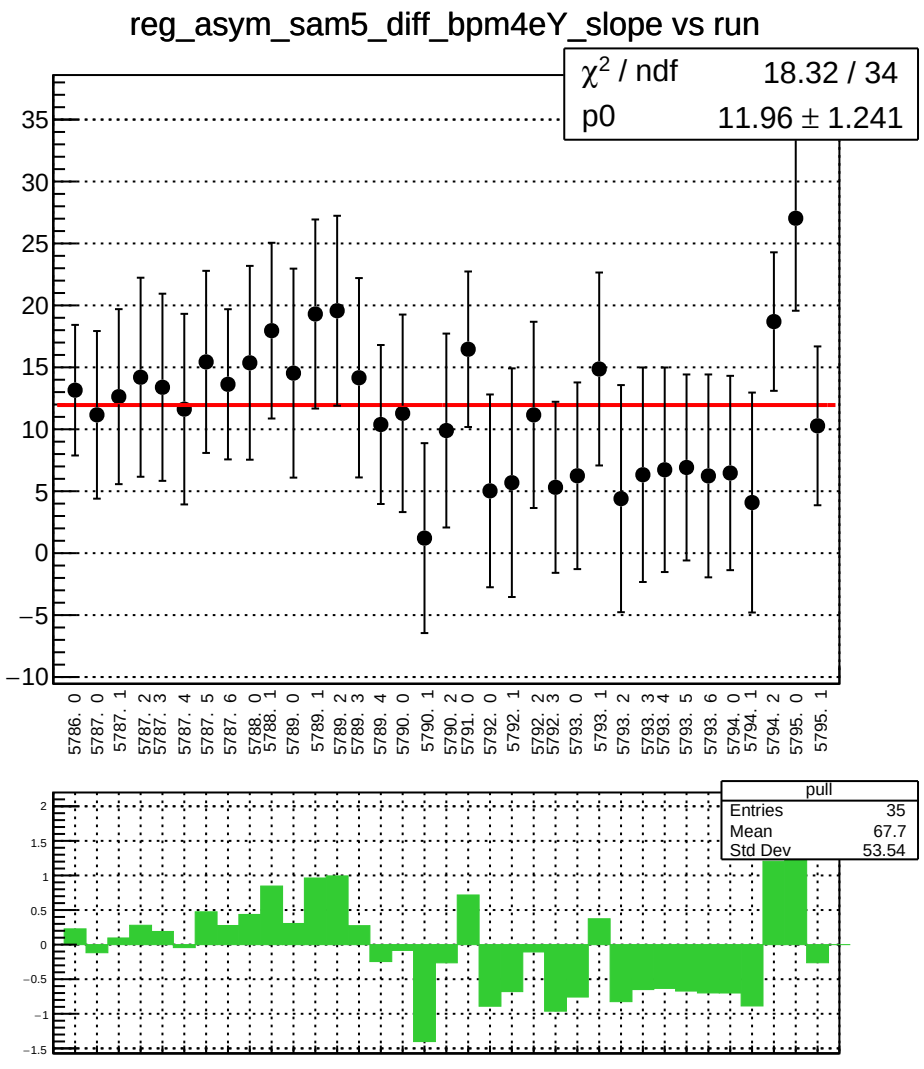

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 2.507 / 34
p0 2.61 ± 1.356
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 167.4
Std Dev 152.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4

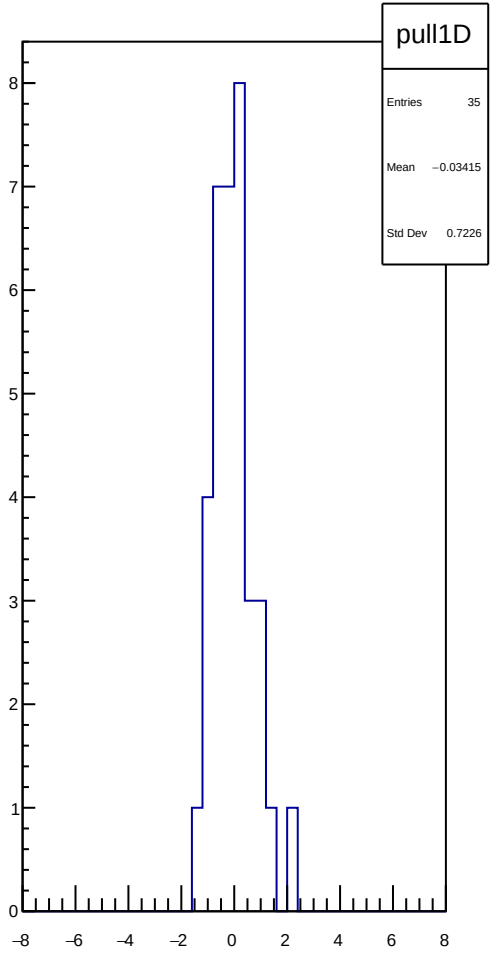

pull1D
Entries 35
Mean −0.01017
Std Dev 0.2674
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

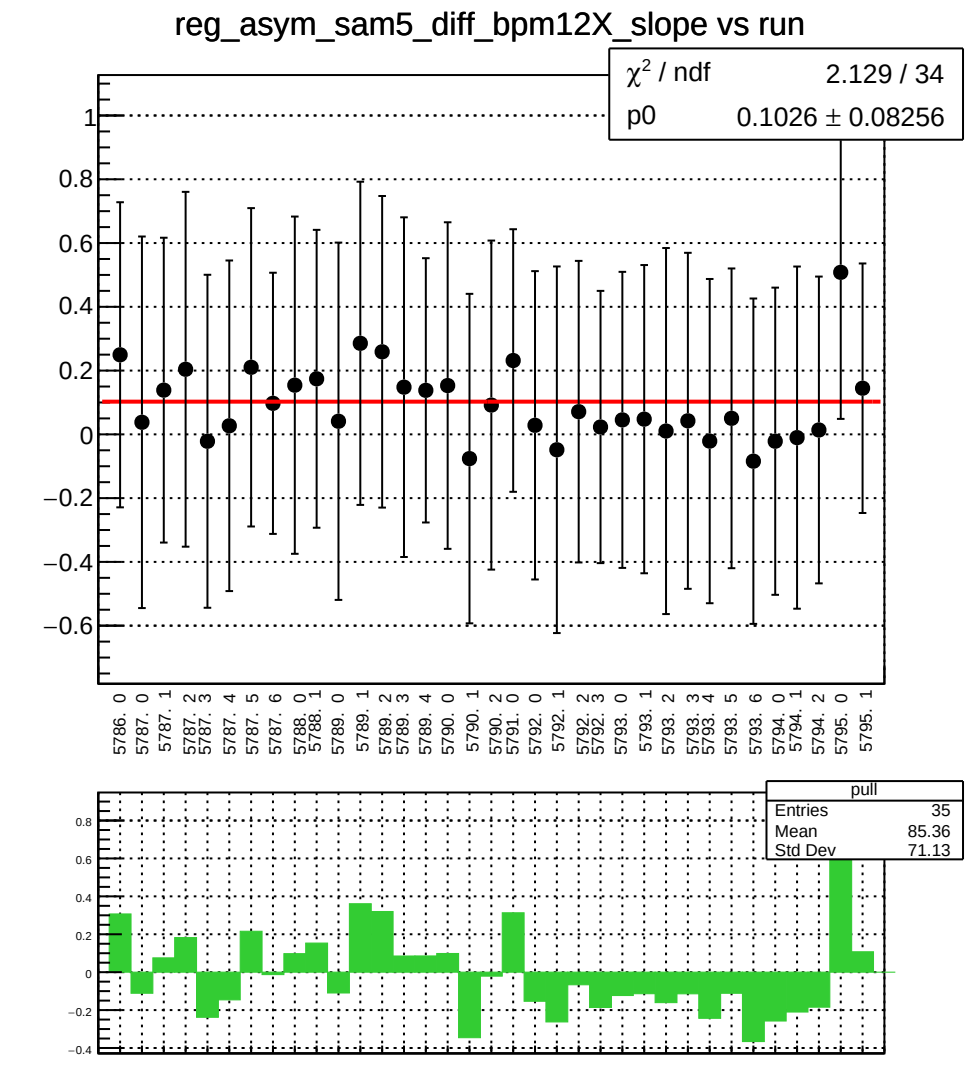

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 22.06 / 34
p0 56.82 ± 1.132
pull
Entries 35
Mean 643.7
Std Dev 626.6

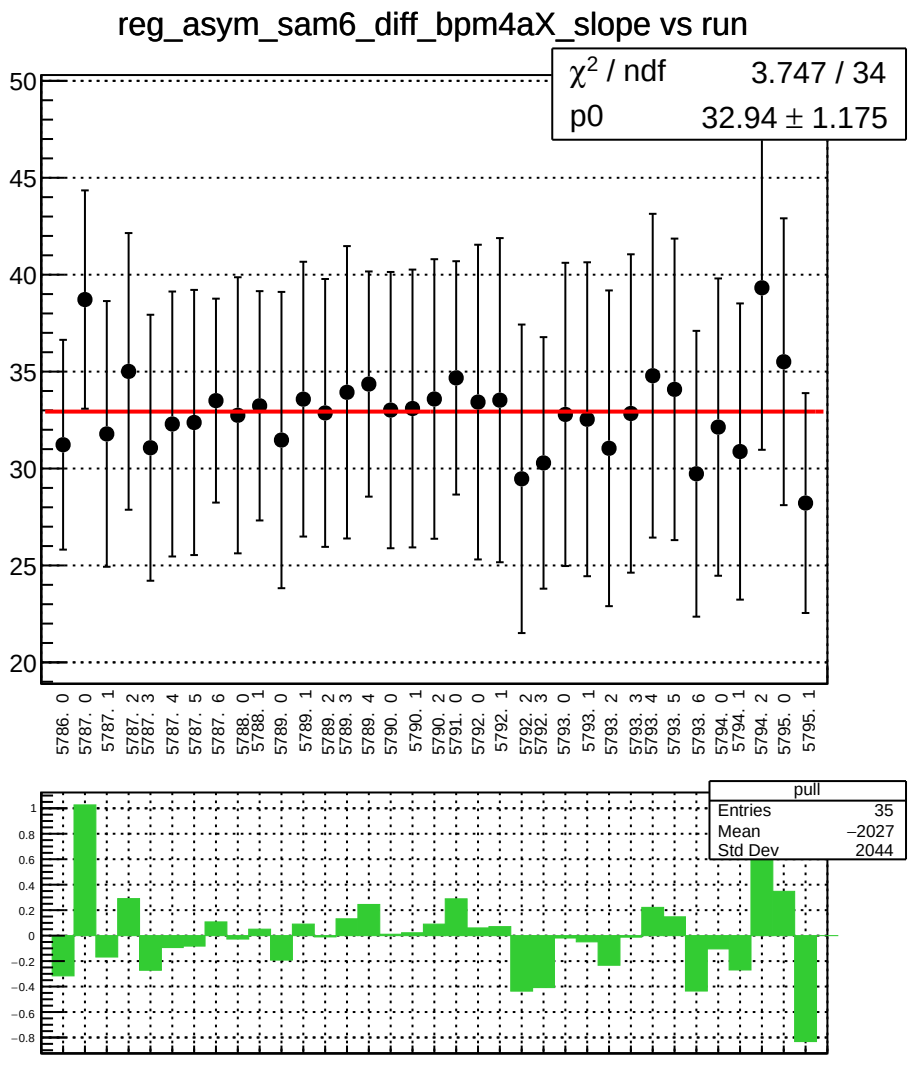

pull1D
Entries 35
Mean 0.00467
Std Dev 0.7939

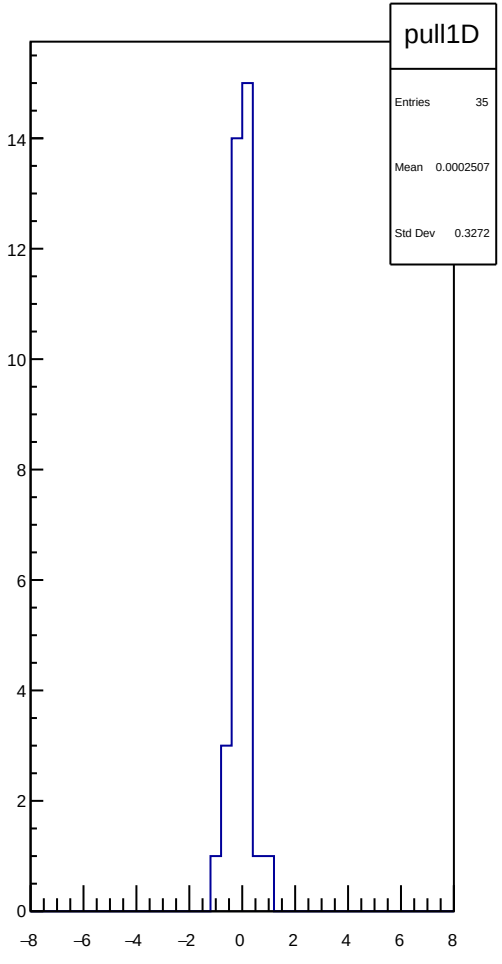

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.502 / 34
p0 −0.6488 ± 1.697
pull
Entries 35
Mean 161.2
Std Dev 146.4
pull1D
Entries 35
Mean 0.01108
Std Dev 0.2671

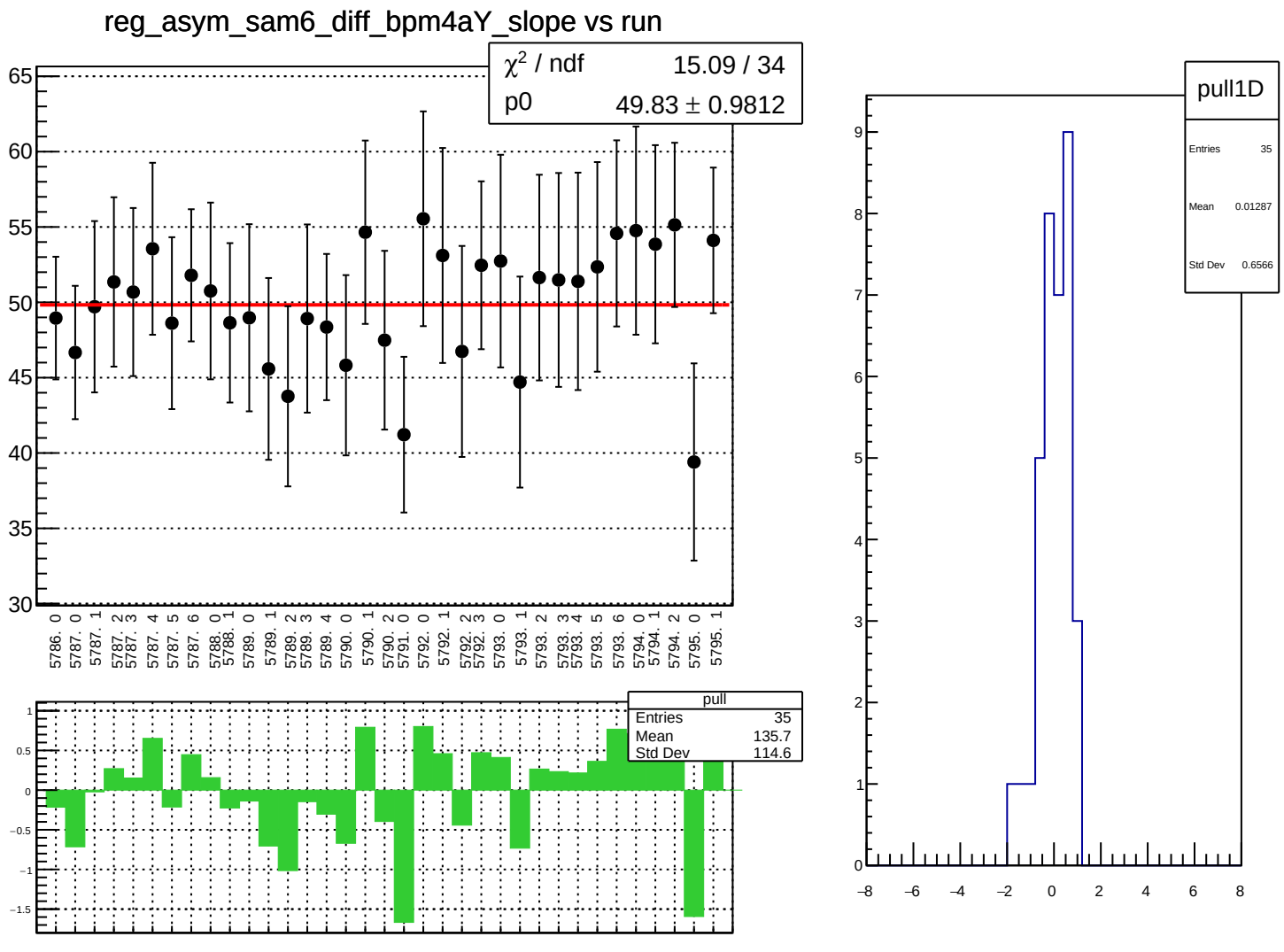

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.32 / 34
p0 11.96 ± 1.241
pull
Entries 35
Mean 67.7
Std Dev 53.54

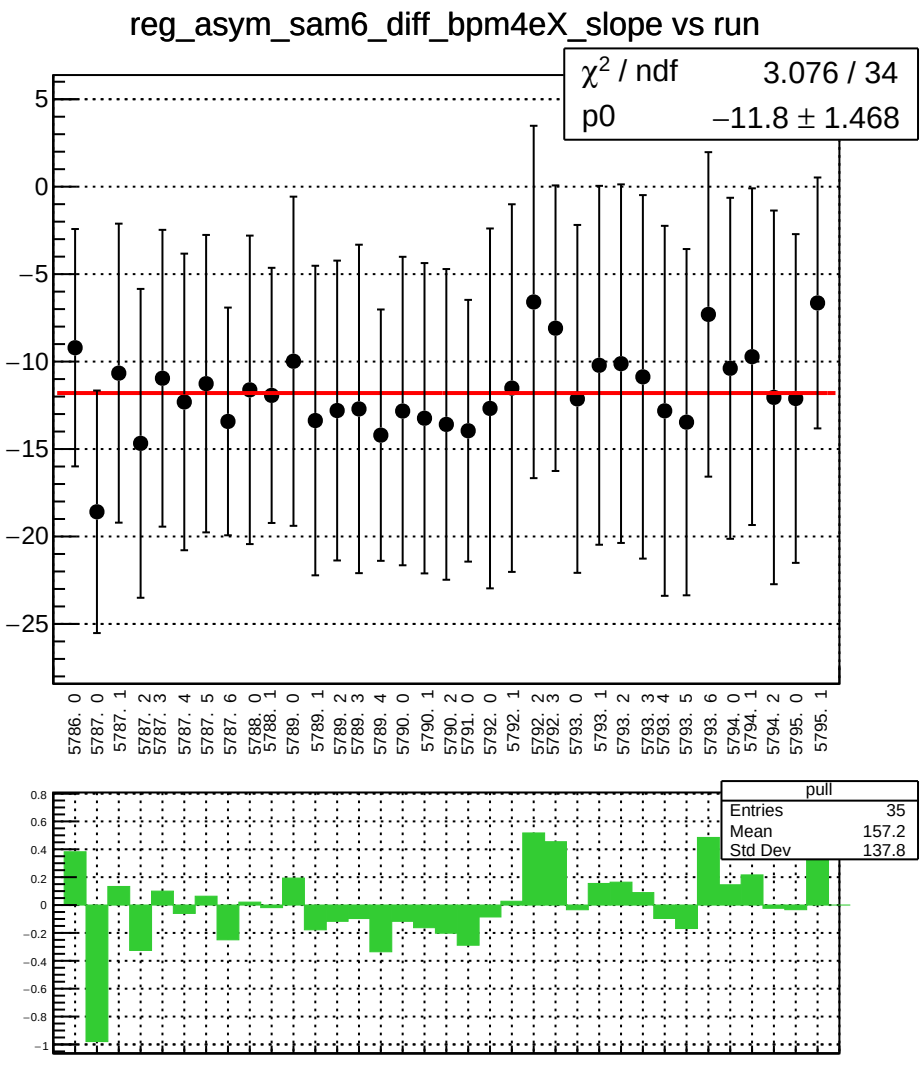

pull1D
Entries 35
Mean −0.03415
Std Dev 0.7226

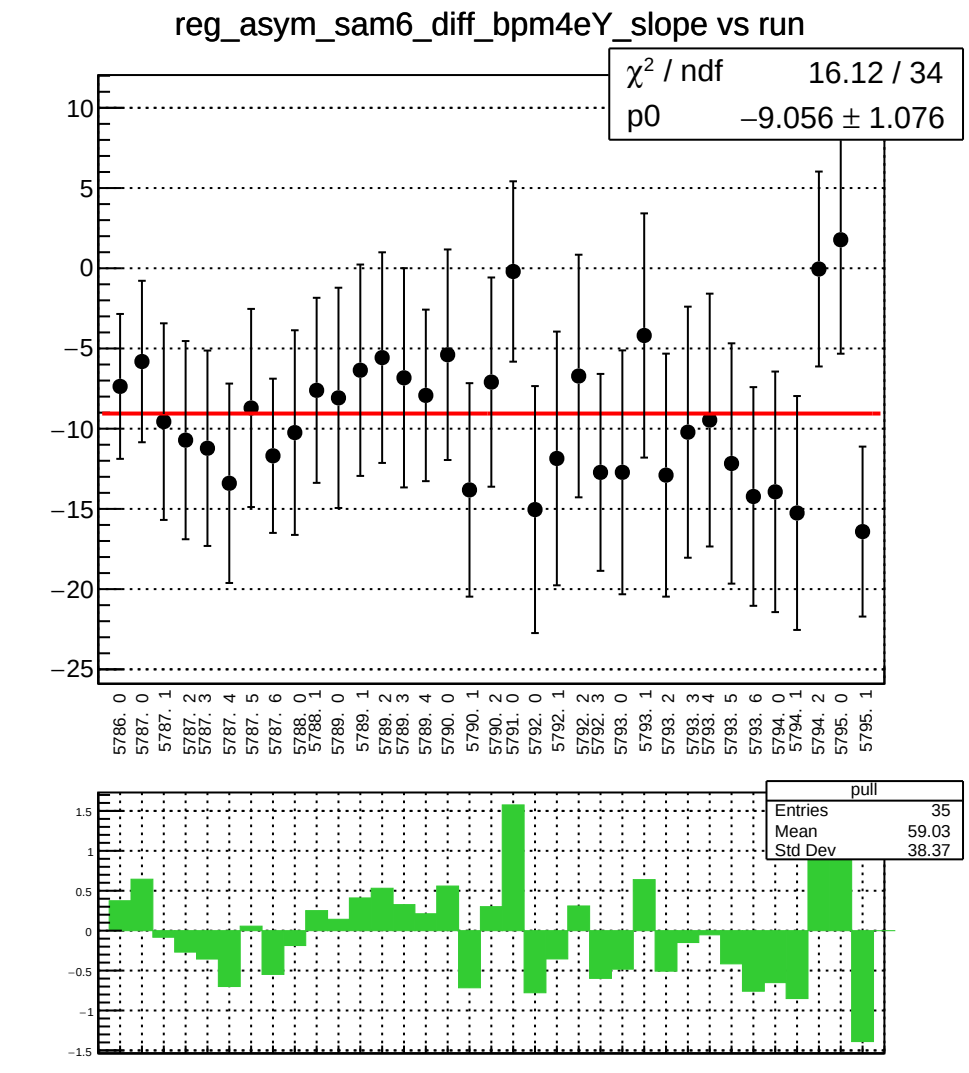

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.129 / 34
p0 0.1026 ± 0.08256
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 85.36
Std Dev 71.13
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.007189
Std Dev 0.2465
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

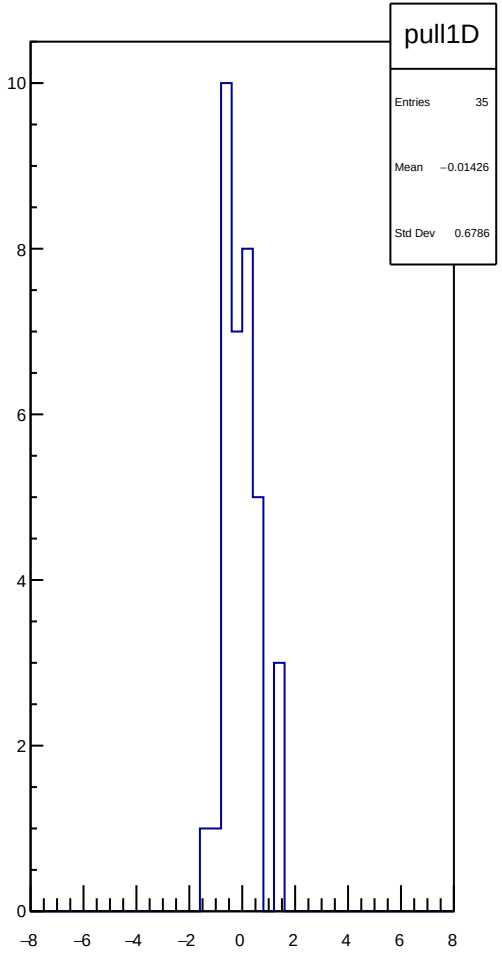

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 3.747 / 34
p0 32.94 ± 1.175
pull
Entries 35
Mean −2027
Std Dev 2044

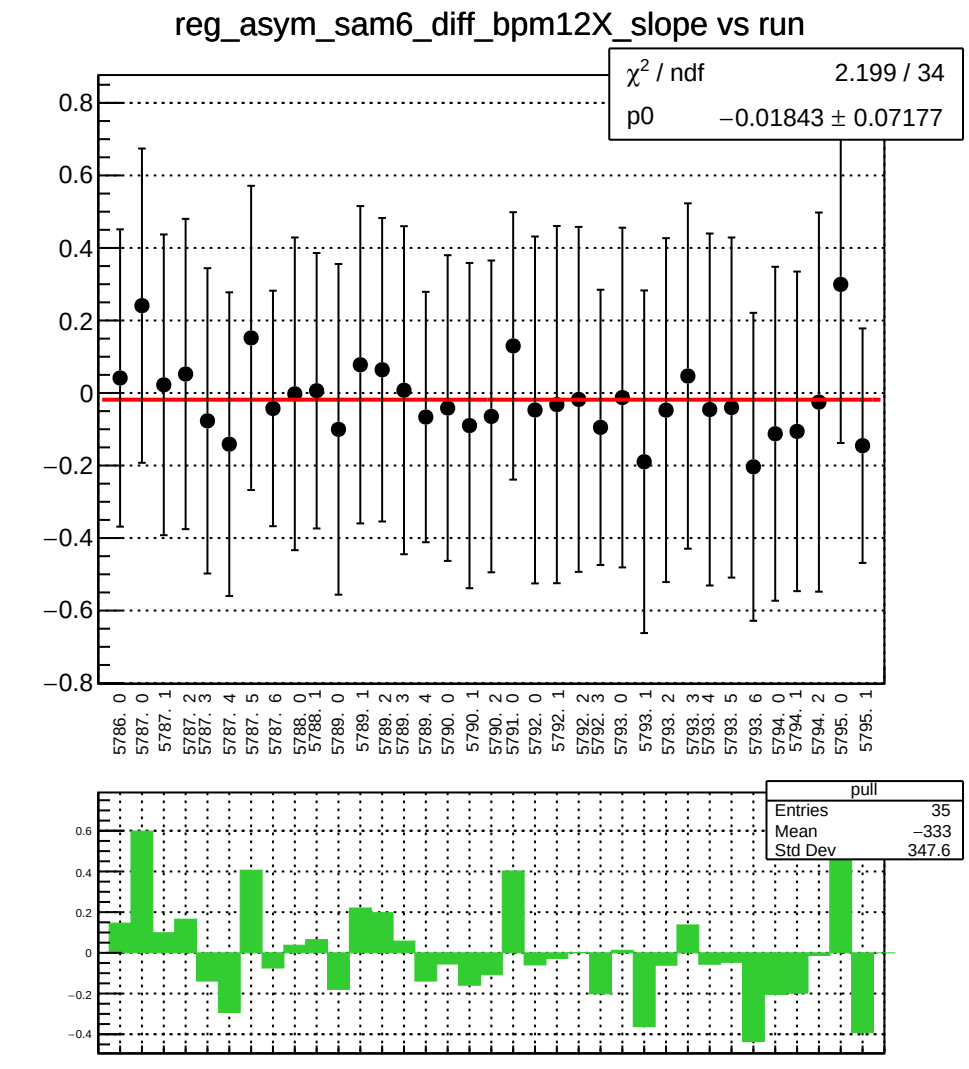

pull1D
Entries 35
Mean 0.0002507
Std Dev 0.3272

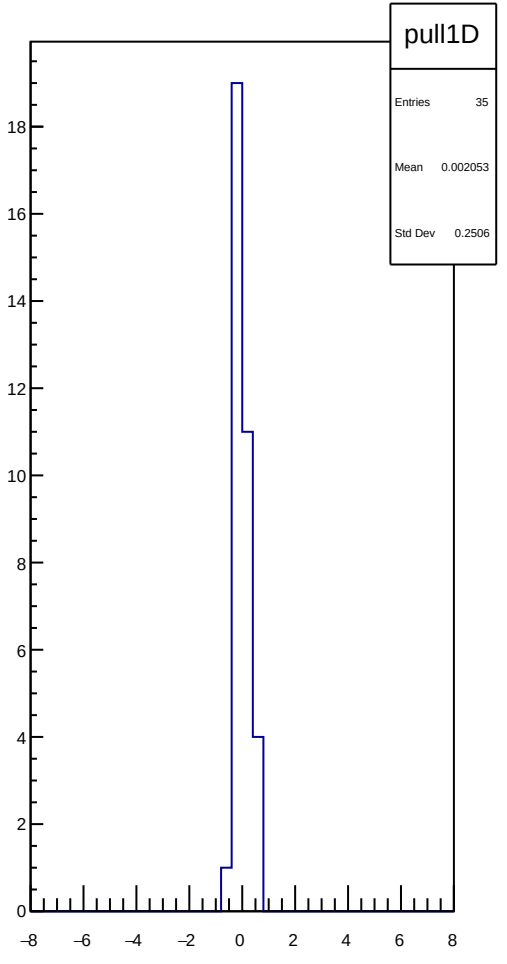

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 15.09 / 34
p0 49.83 ± 0.9812
pull
Entries 35
Mean 135.7
Std Dev 114.6
pull1D
Entries 35
Mean 0.01287
Std Dev 0.6566

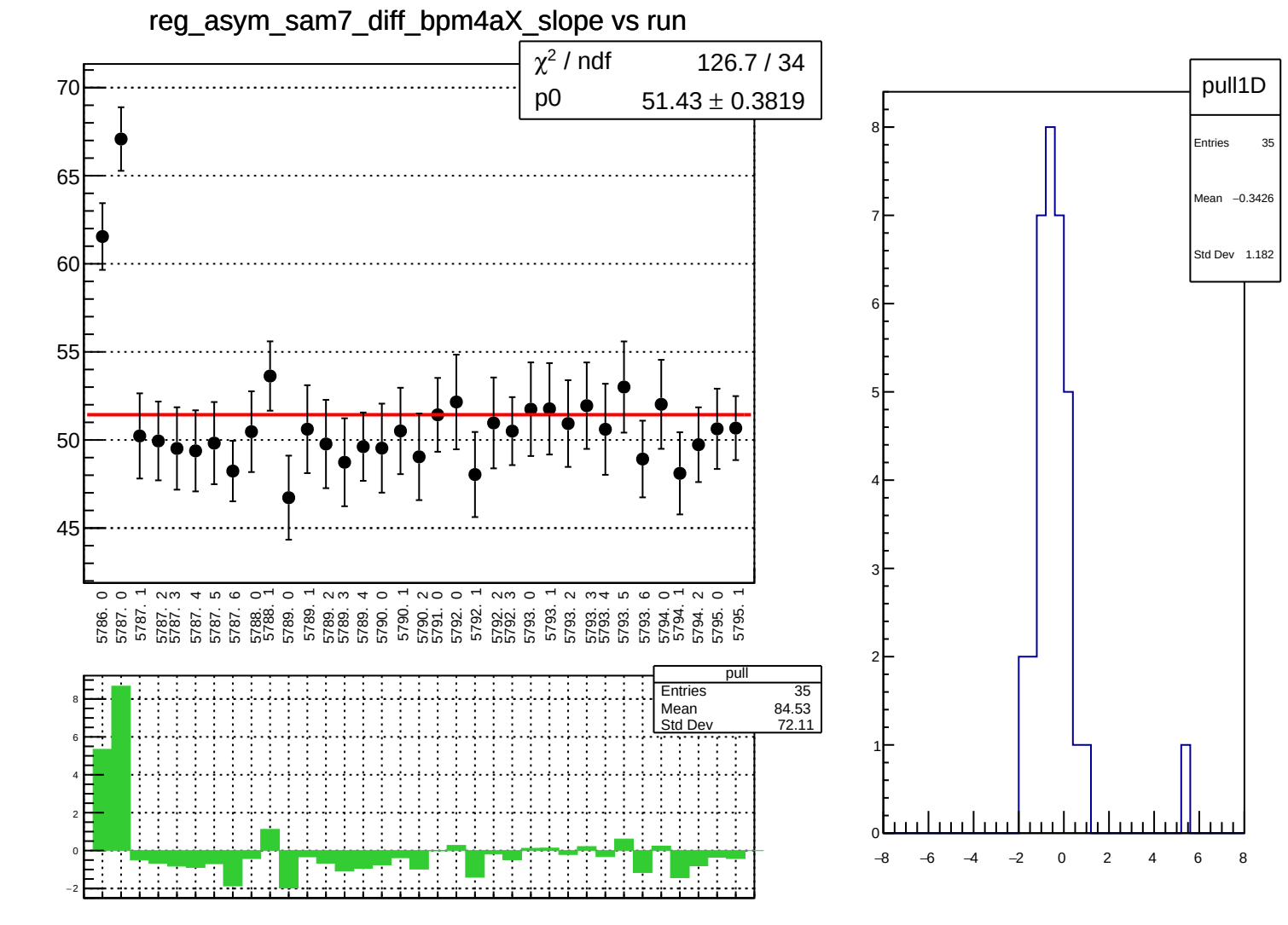

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.076 / 34
p0 −11.8 ± 1.468
5
0
−5
−10
−15
−20
−25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 157.2
Std Dev 137.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 35
Mean 0.008426
Std Dev 0.2963
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

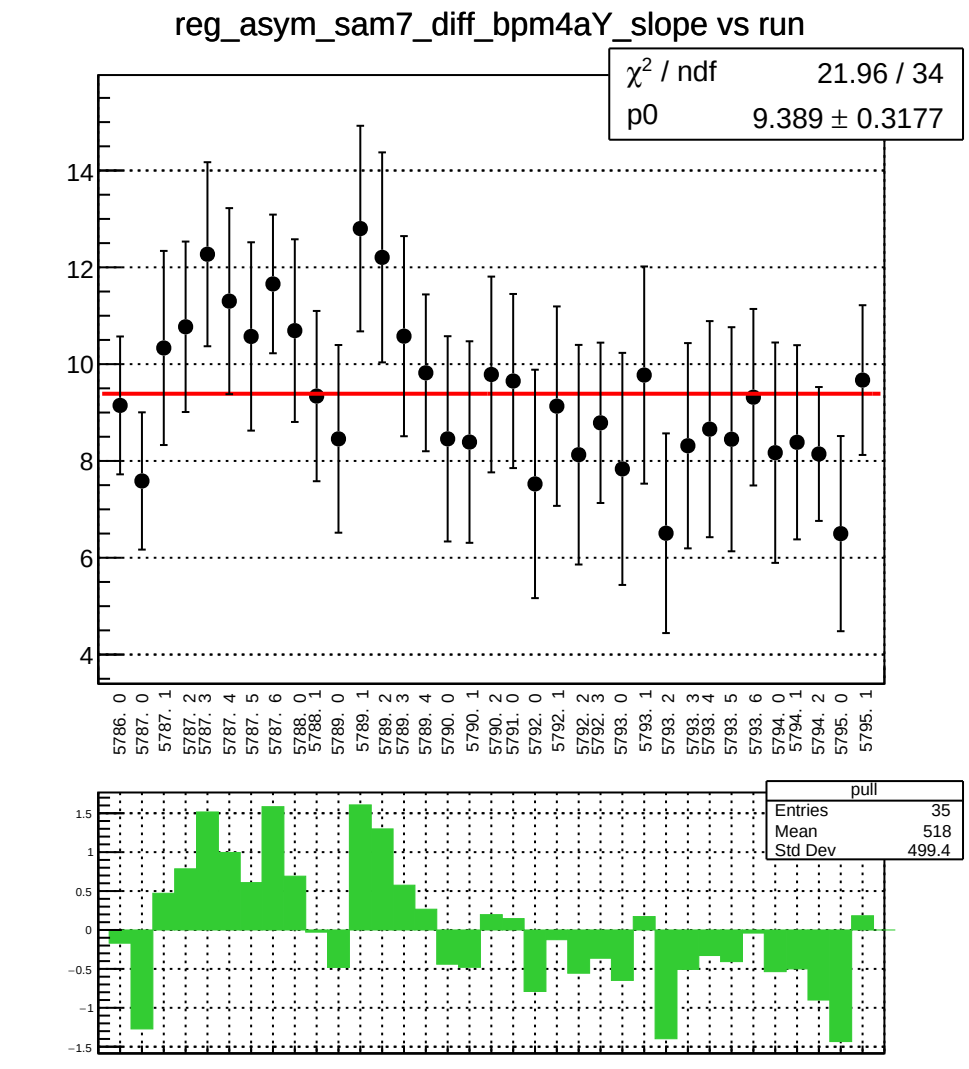

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.12 / 34
p0 −9.056 ± 1.076
pull
Entries 35
Mean 59.03
Std Dev 38.37

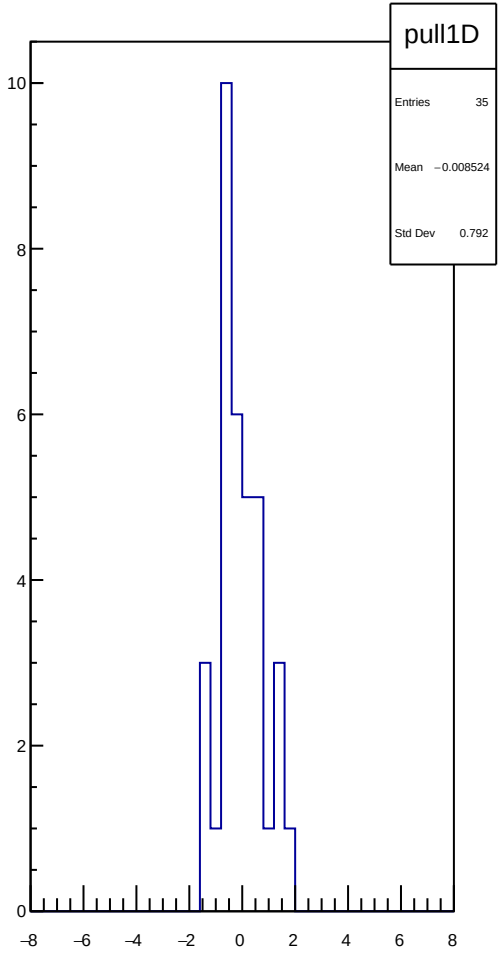

pull1D
Entries 35
Mean −0.01426
Std Dev 0.6786

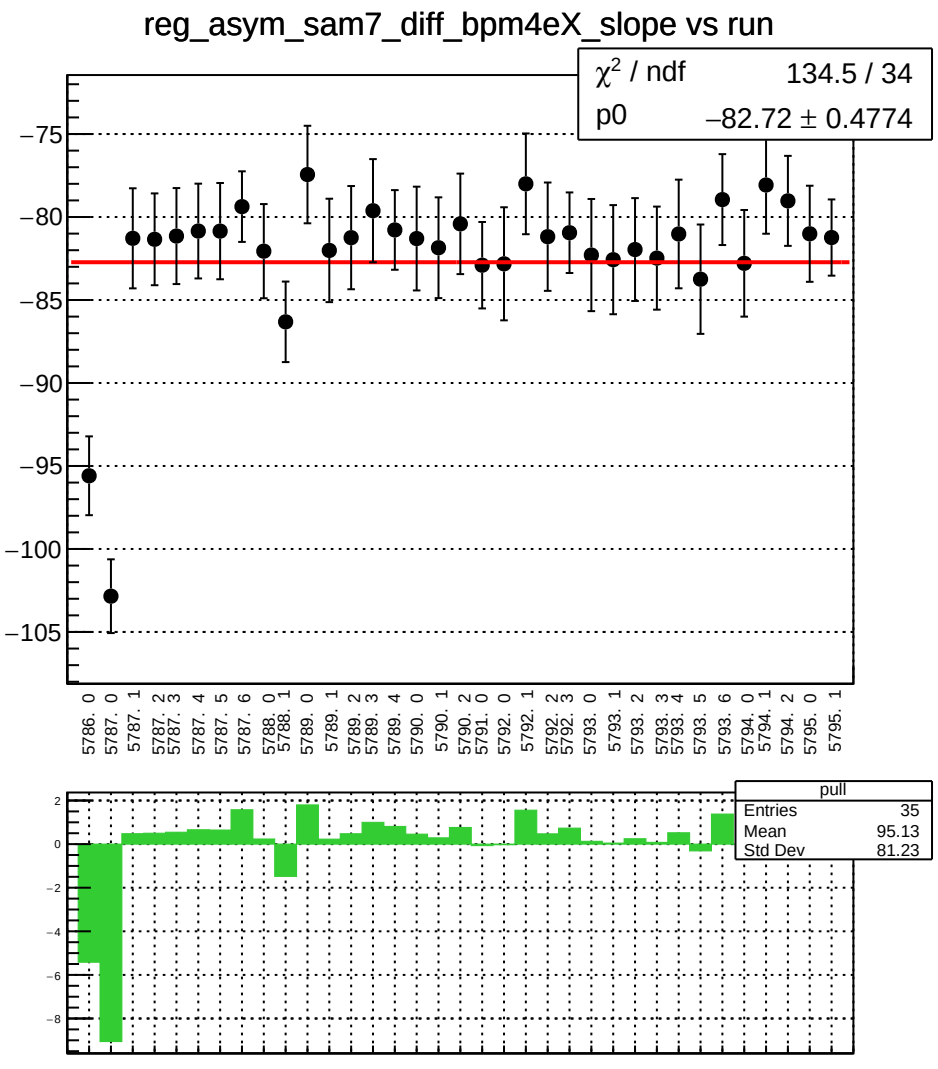

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.199 / 34
p0 −0.01843 ± 0.07177
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −333
Std Dev 347.6
0.6
0.4
0.2
0
−0.2
−0.4

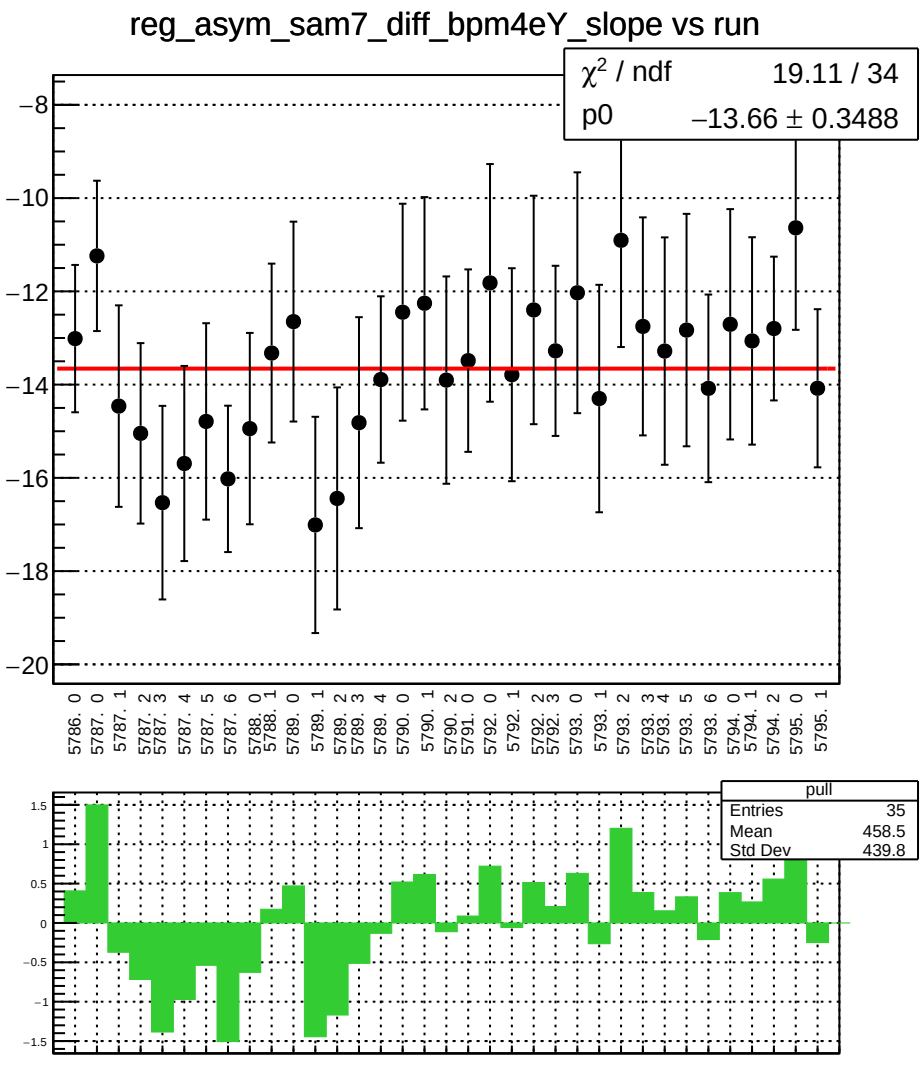

pull1D
Entries 35
Mean 0.002053
Std Dev 0.2506
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

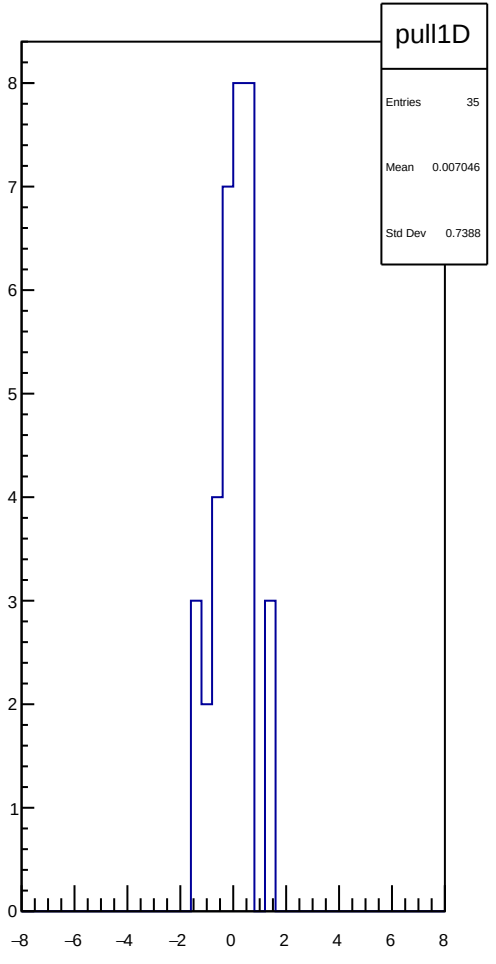

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 126.7 / 34
p0 51.43 ± 0.3819
70
65
60
55
50
45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 84.53
Std Dev 72.11
8
6
4
2
0
−2
pull1D
Entries 35
Mean −0.3426
Std Dev 1.182
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

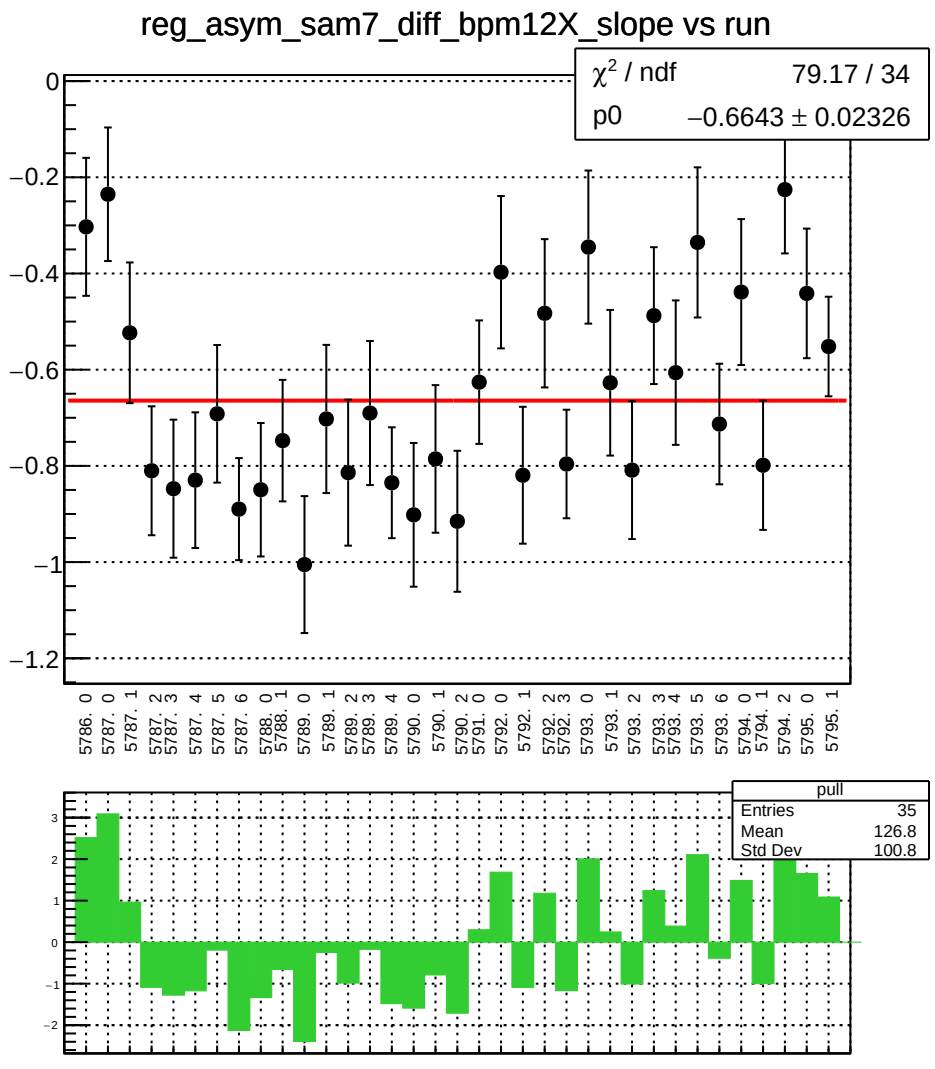

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 21.96 / 34
p0 9.389 ± 0.3177
pull
Entries 35
Mean 518
Std Dev 499.4

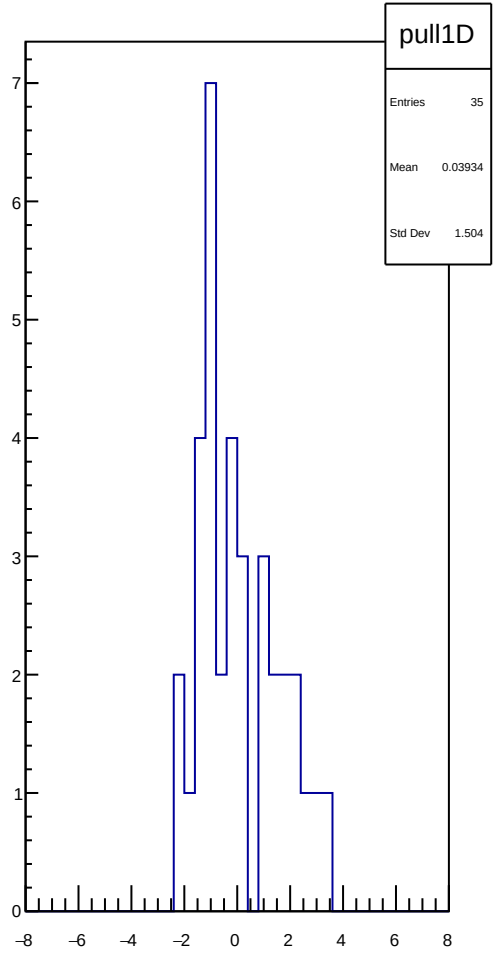

pull1D
Entries 35
Mean −0.008524
Std Dev 0.792

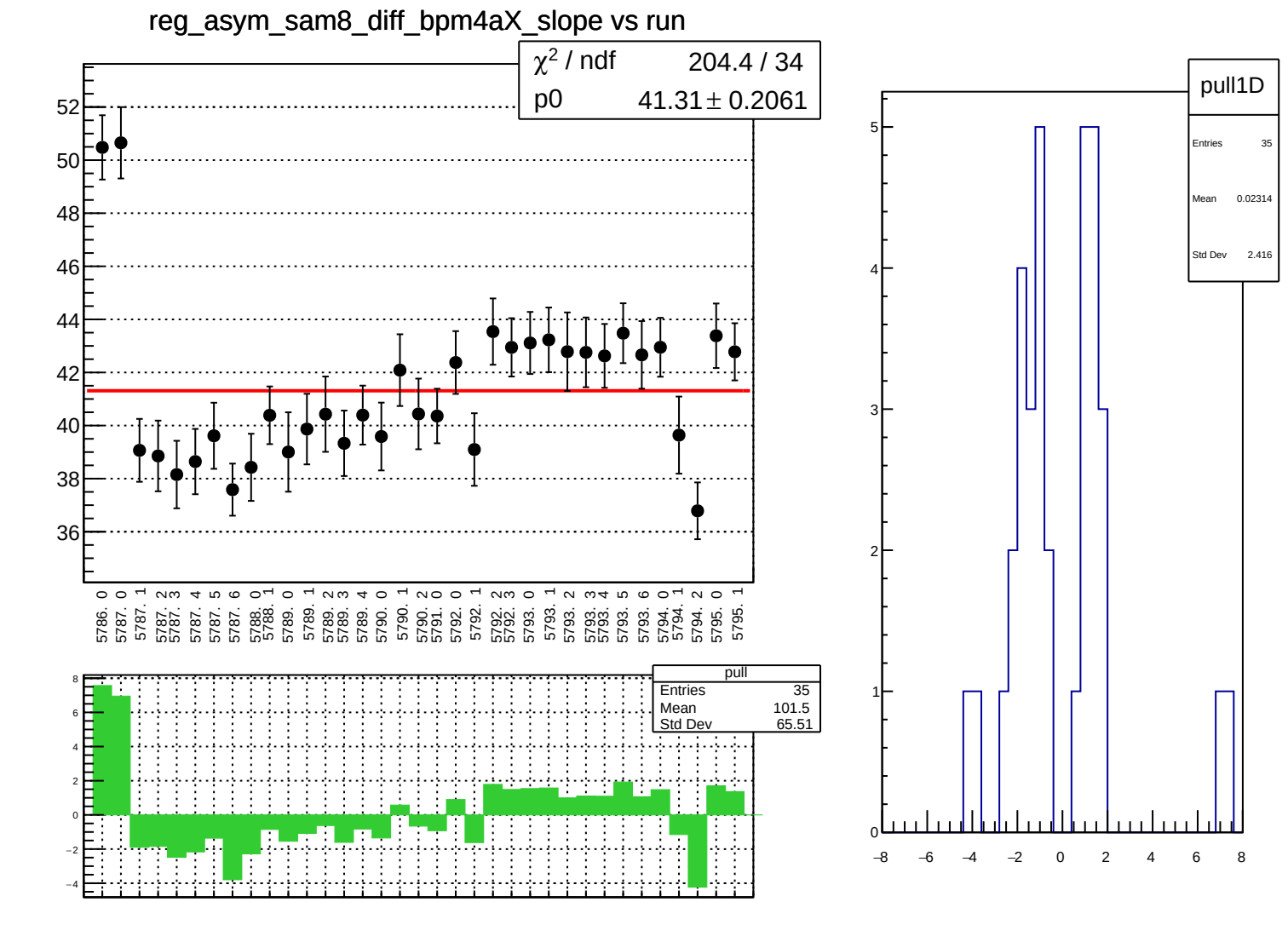

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 134.5 / 34
p0 −82.72 ± 0.4774
−75
−80
−85
−90
−95
−100
−105
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 95.13
Std Dev 81.23
2
0
−2
−4
−6
−8
pull1D
Entries 35
Mean 0.3671
Std Dev 1.186
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

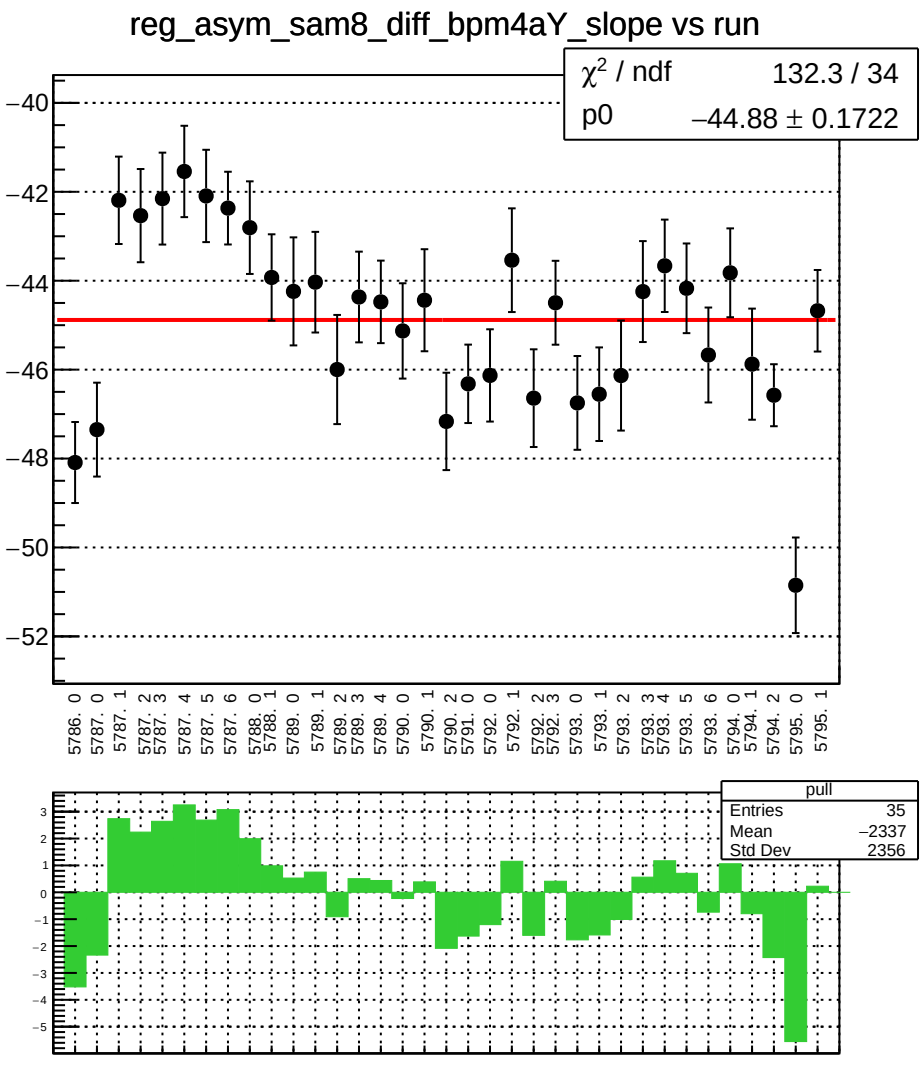

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 19.11 / 34
p0 −13.66 ± 0.3488
pull
Entries 35
Mean 458.5
Std Dev 439.8

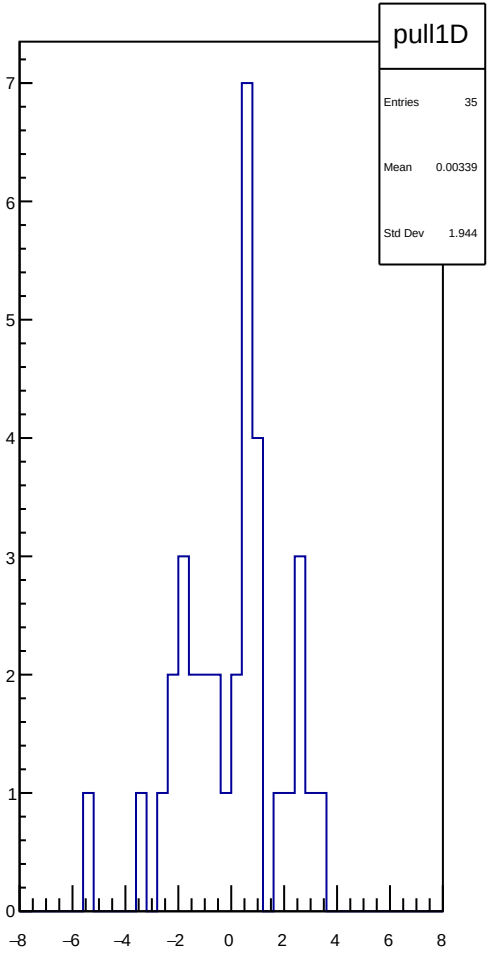

pull1D
Entries 35
Mean 0.007046
Std Dev 0.7388

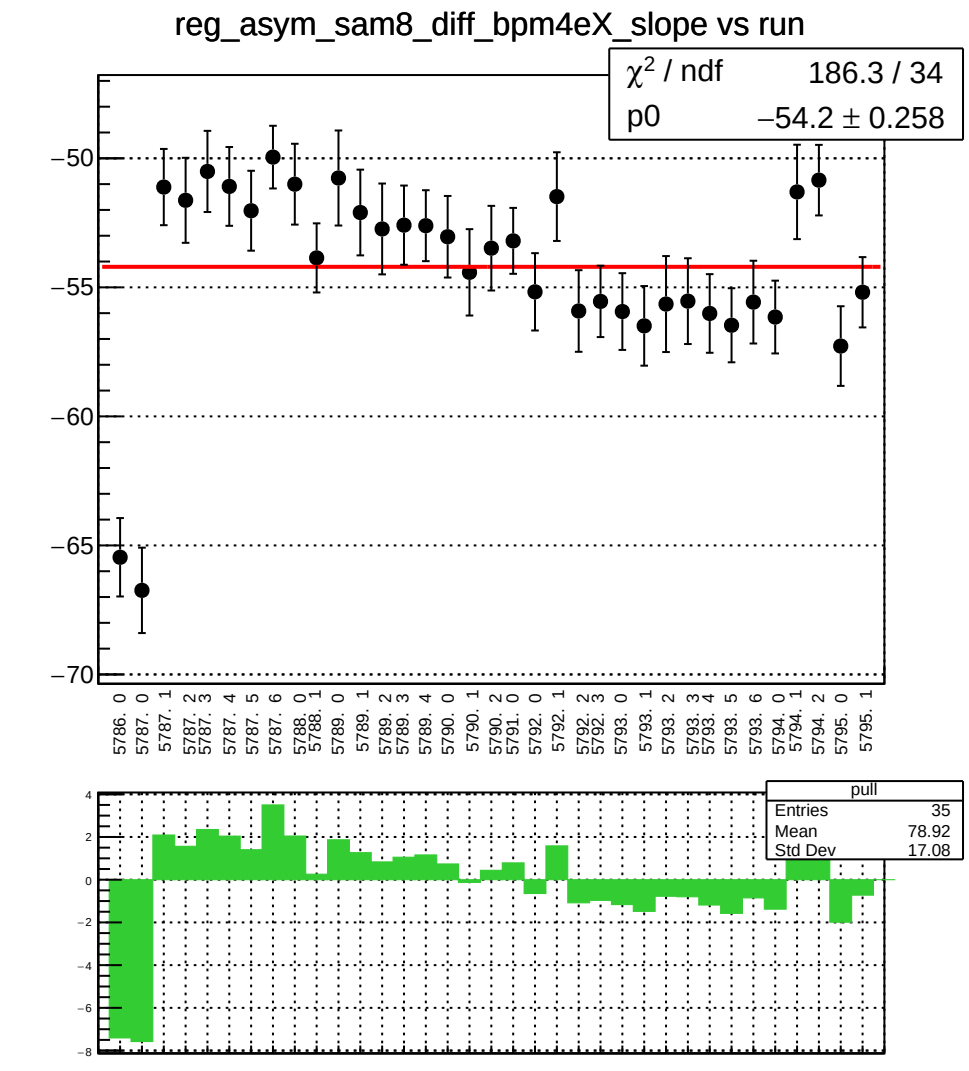

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 79.17 / 34
p0 −0.6643 ± 0.02326
pull
Entries 35
Mean 126.8
Std Dev 100.8

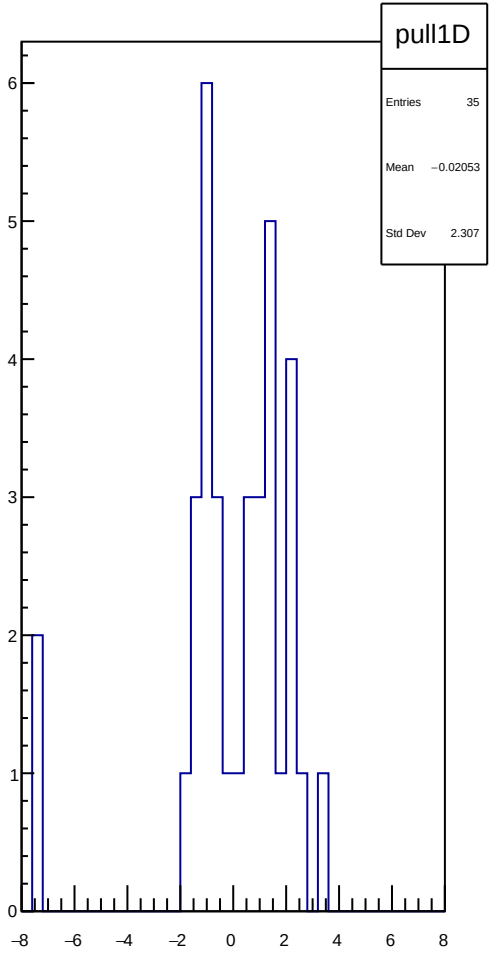

pull1D
Entries 35
Mean 0.03934
Std Dev 1.504

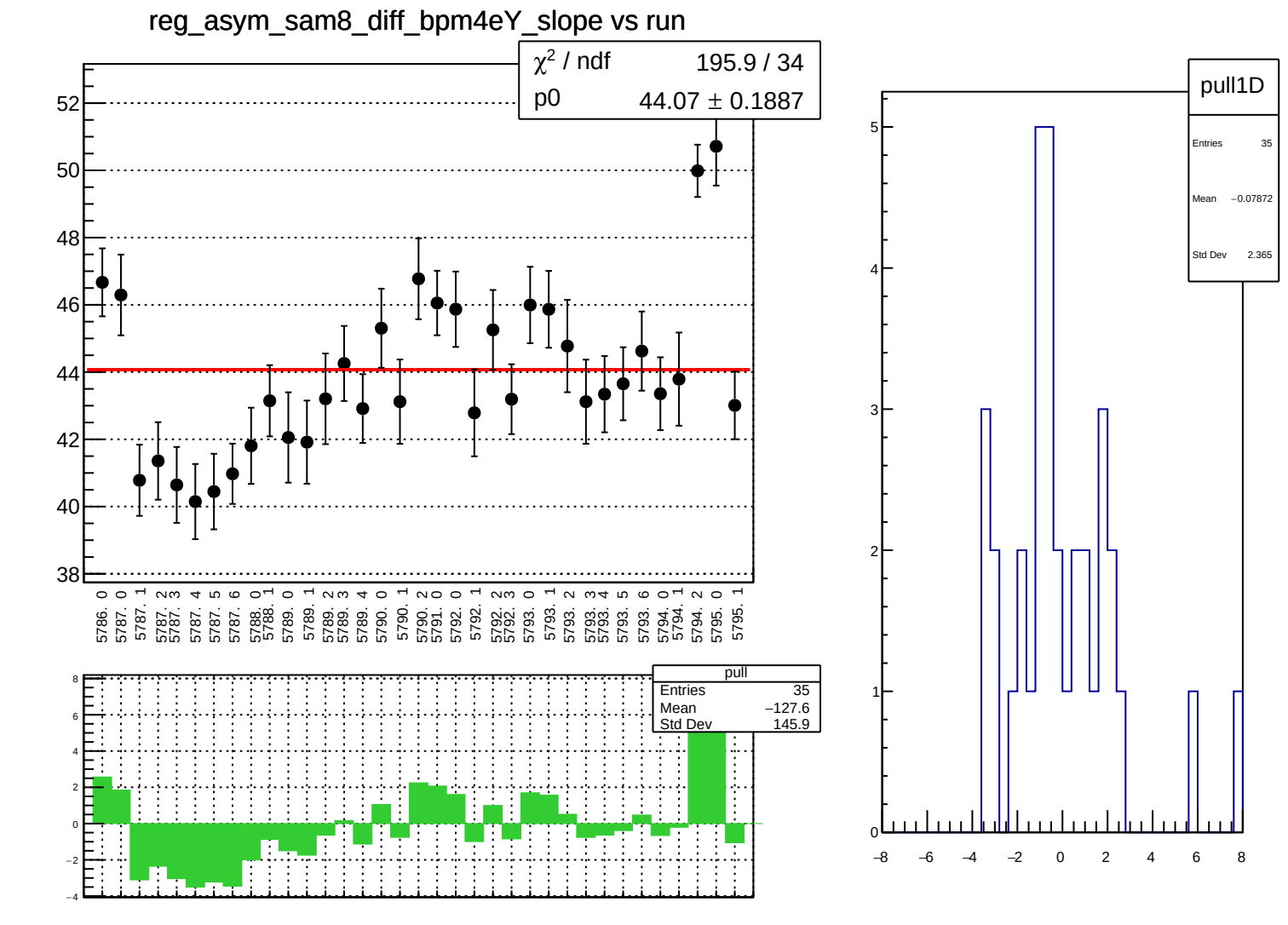

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 204.4 / 34
p0 41.31 ± 0.2061
pull
Entries 35
Mean 101.5
Std Dev 65.51
pull1D
Entries 35
Mean 0.02314
Std Dev 2.416

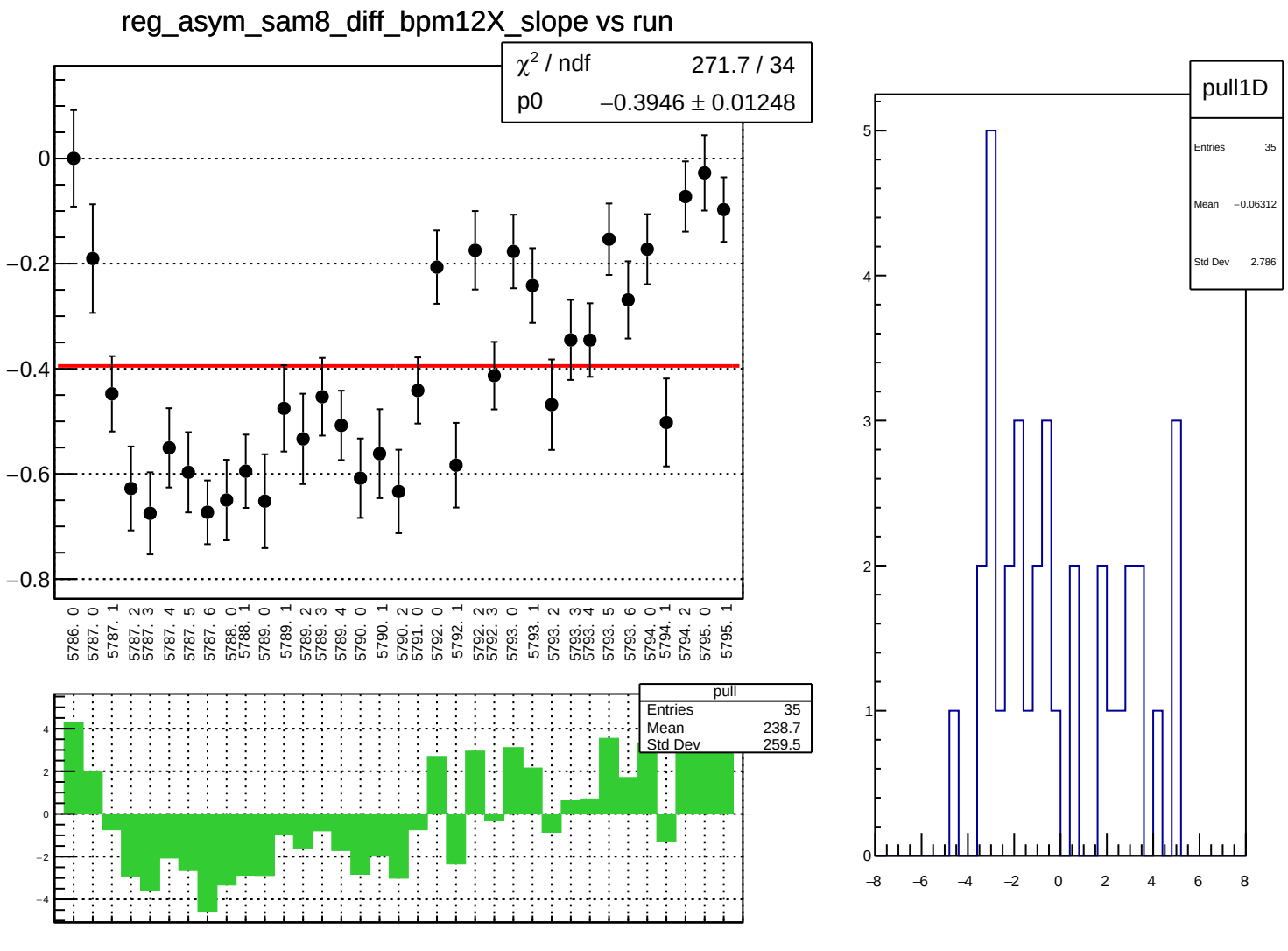

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 132.3 / 34
p0 −44.88 ± 0.1722
−40
−42
−44
−46
−48
−50
−52
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −2337
Std Dev 2356
3
2
1
0
−1
−2
−3
−4
−5

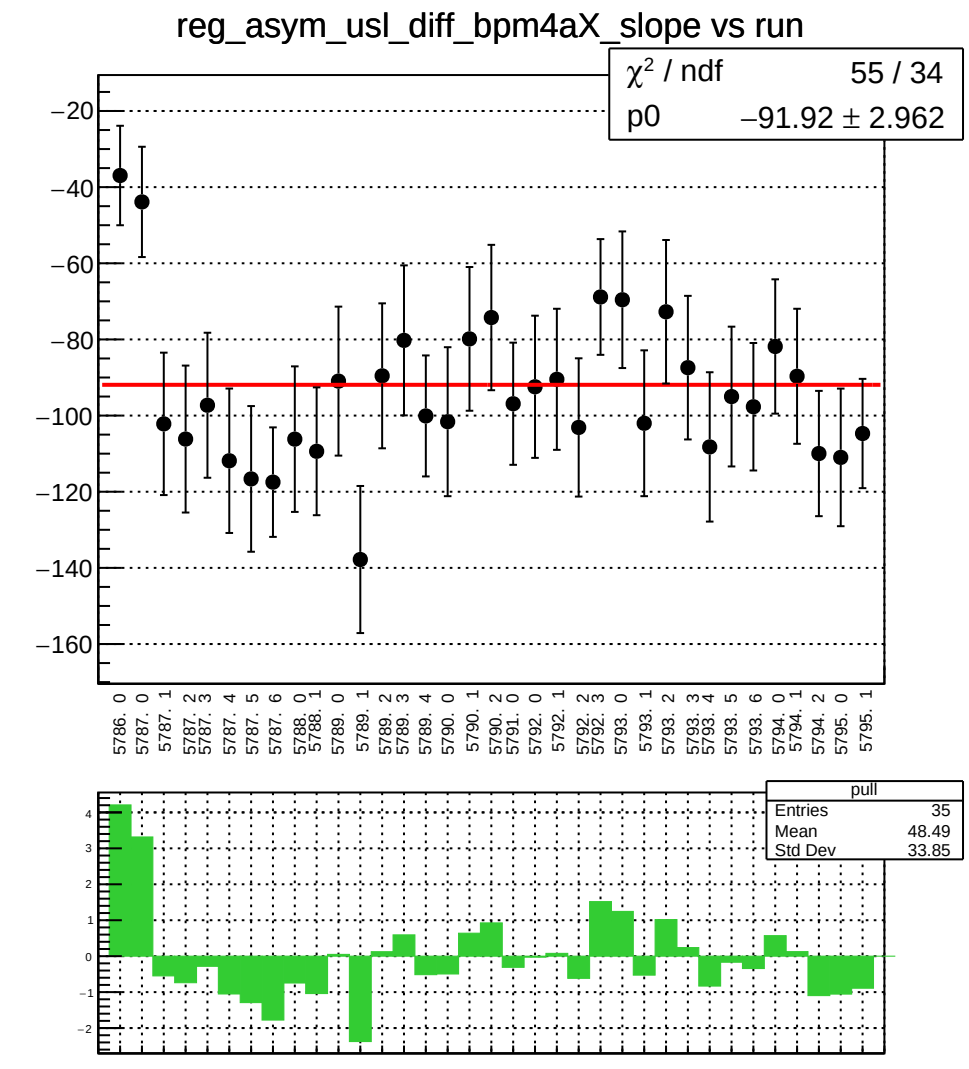

pull1D
Entries 35
Mean 0.00339
Std Dev 1.944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

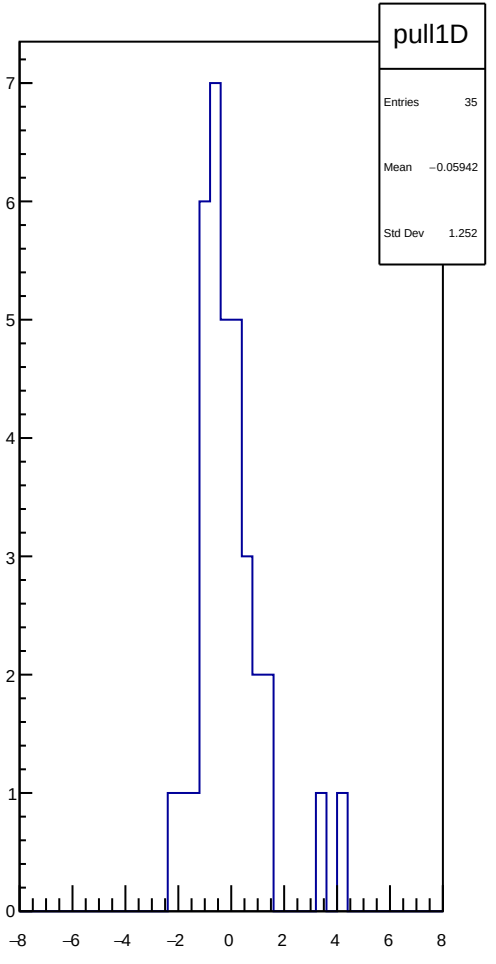

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 186.3 / 34
p0 −54.2 ± 0.258
pull
Entries 35
Mean 78.92
Std Dev 17.08

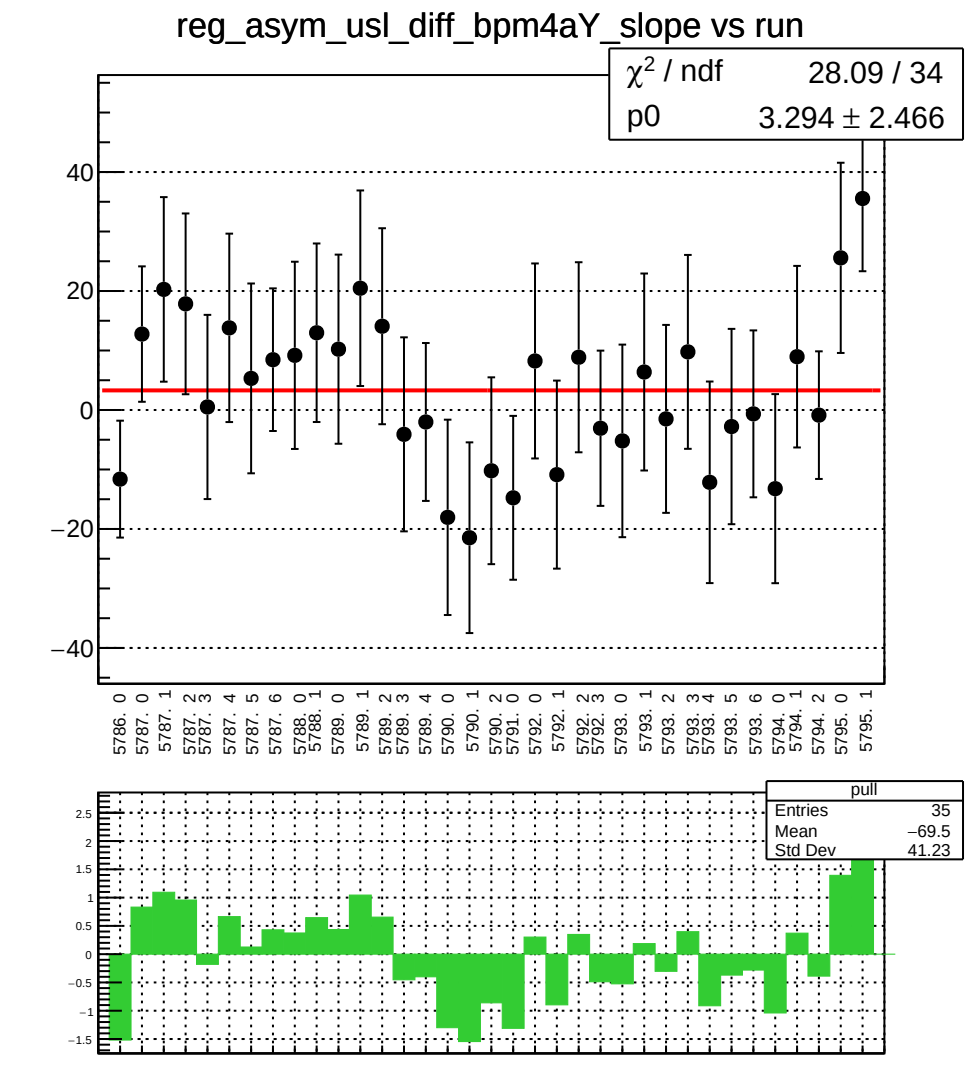

pull1D
Entries 35
Mean −0.02053
Std Dev 2.307

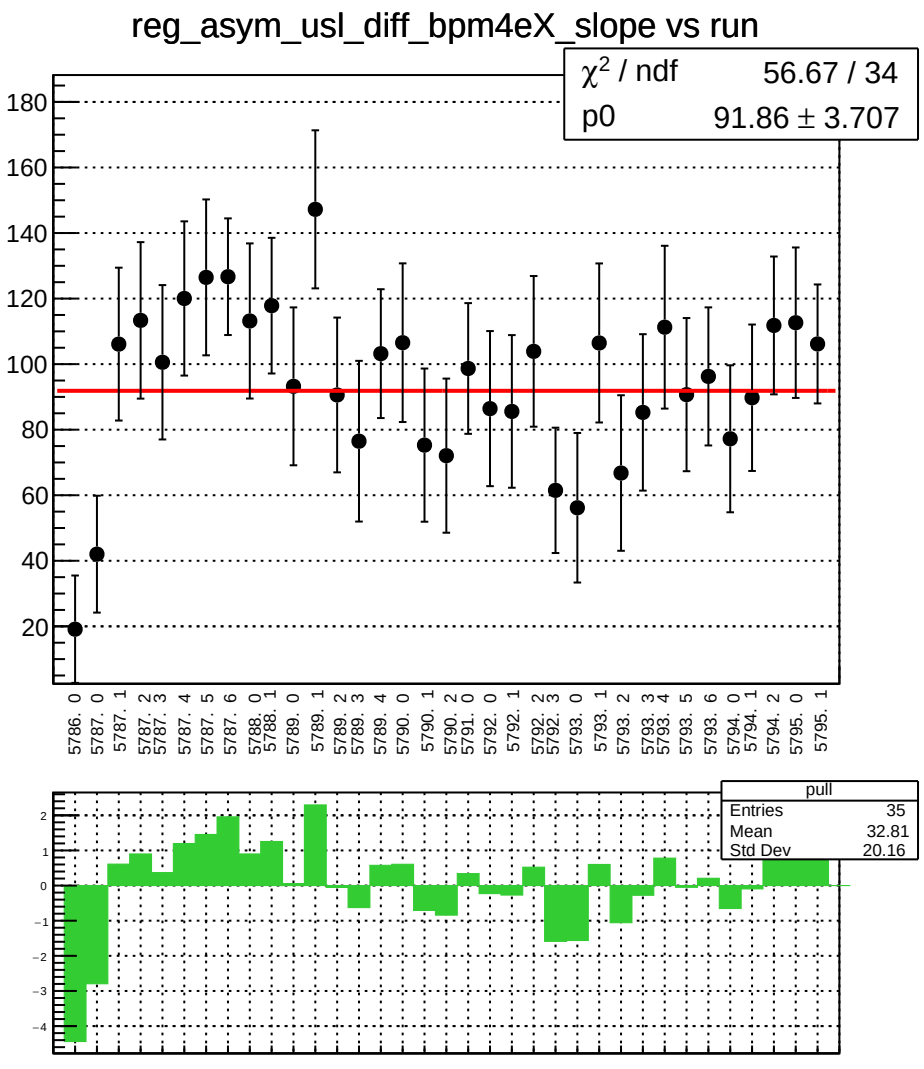

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 195.9 / 34
p0 44.07 ± 0.1887
pull
Entries 35
Mean −127.6
Std Dev 145.9
pull1D
Entries 35
Mean −0.07872
Std Dev 2.365

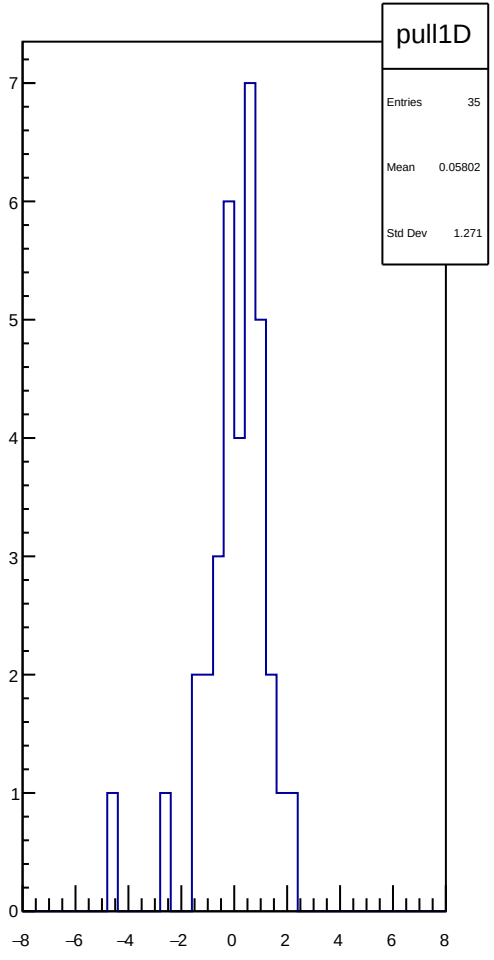

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 271.7 / 34
p0 −0.3946 ± 0.01248
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −238.7
Std Dev 259.5
4
2
0
−2
−4
pull1D
Entries 35
Mean −0.06312
Std Dev 2.786
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

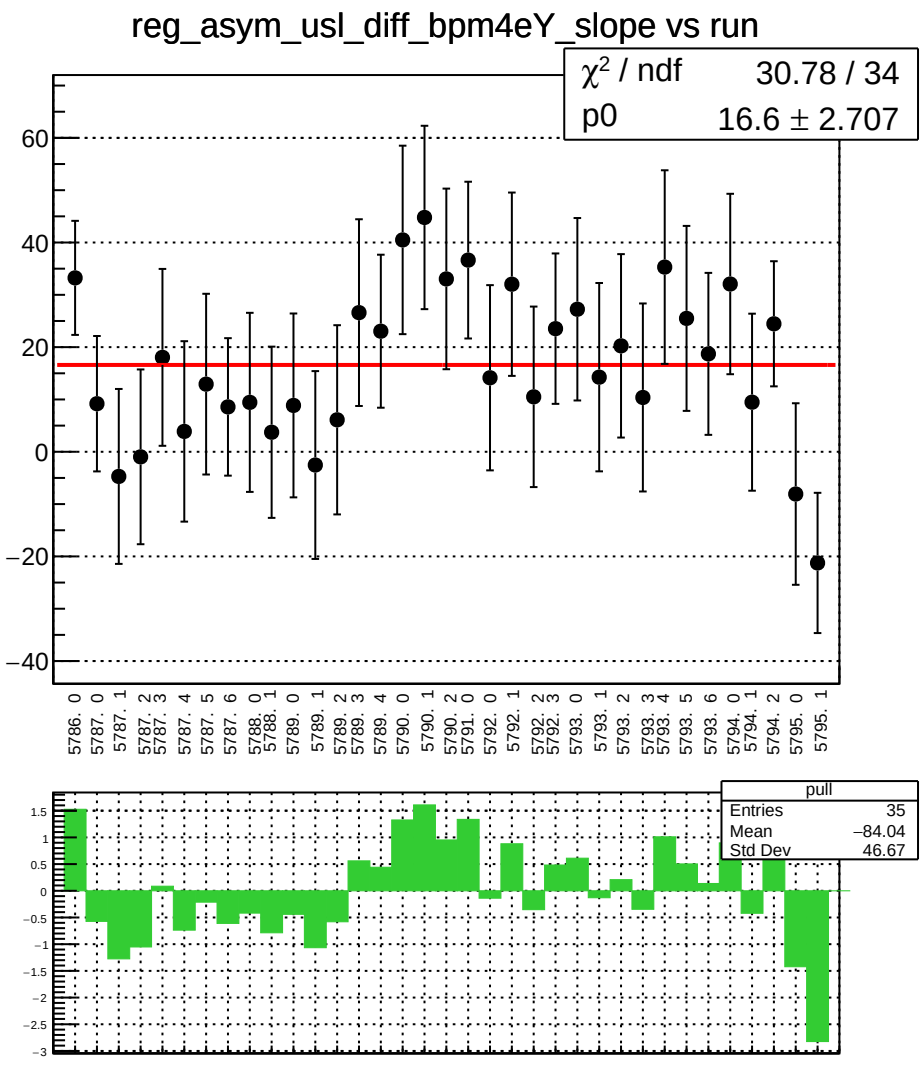

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 55 / 34
p0 −91.92 ± 2.962
−20
−40
−60
−80
−100
−120
−140
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 48.49
Std Dev 33.85
4
3
2
1
0
−1
−2

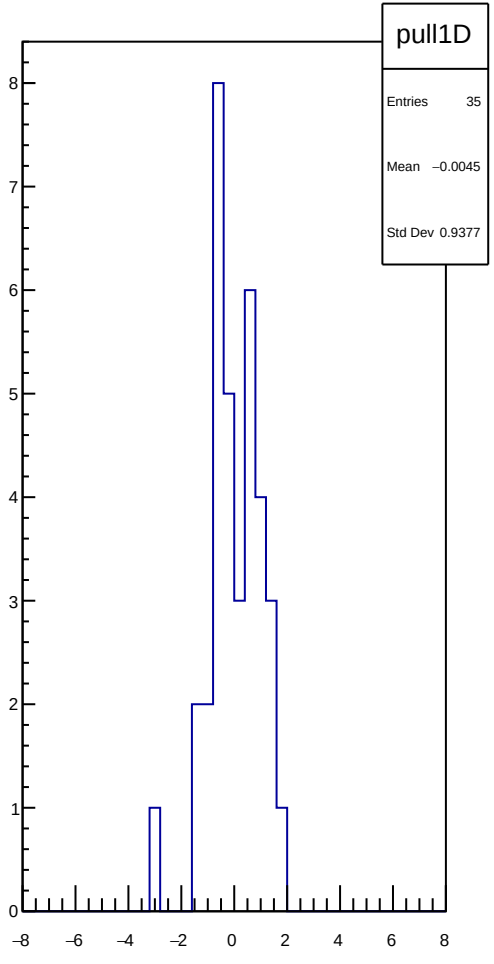

pull1D
Entries 35
Mean −0.05942
Std Dev 1.252
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

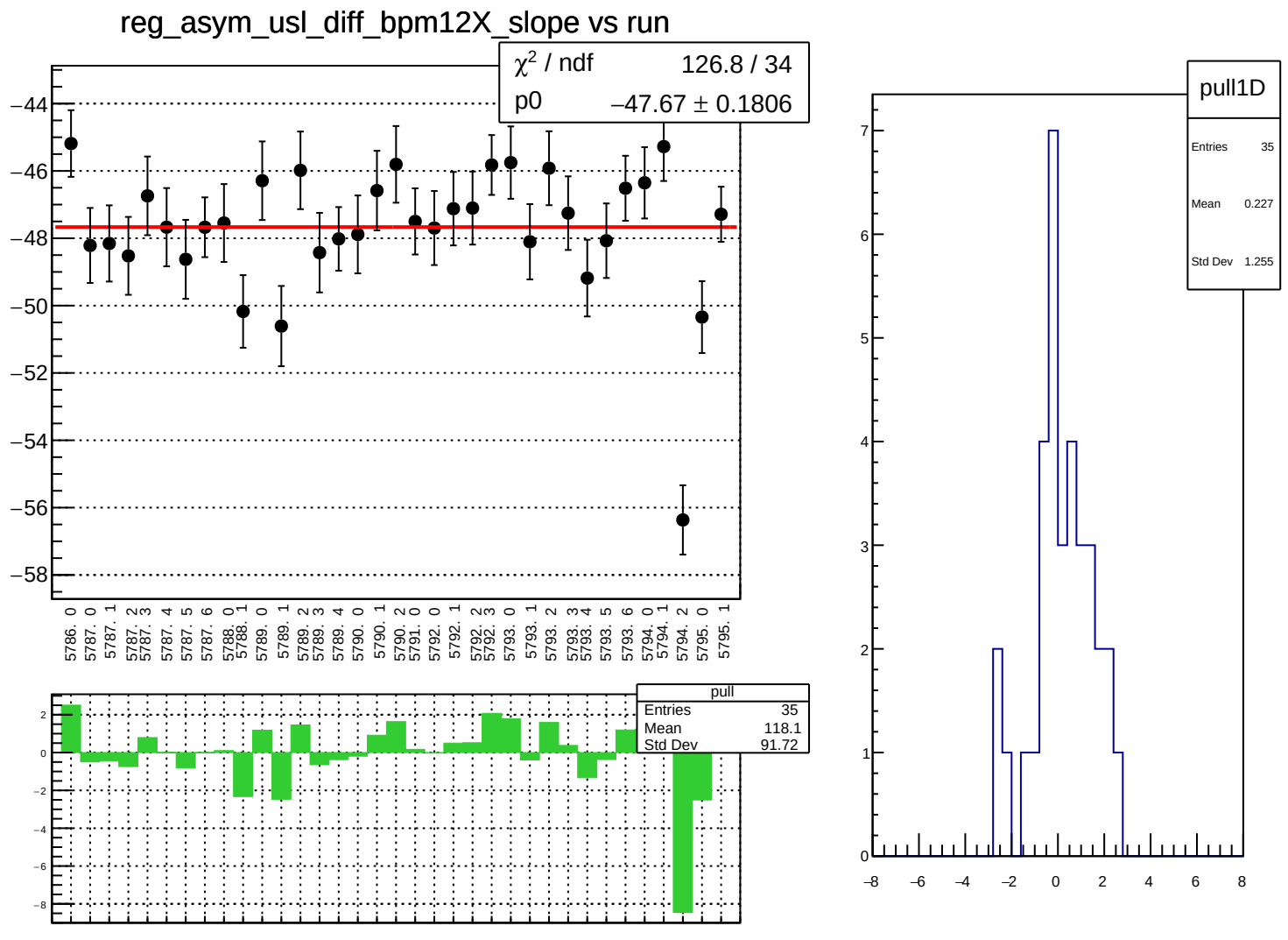

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 28.09 / 34
p0 3.294 ± 2.466
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −69.5
Std Dev 41.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.003706
Std Dev 0.8958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

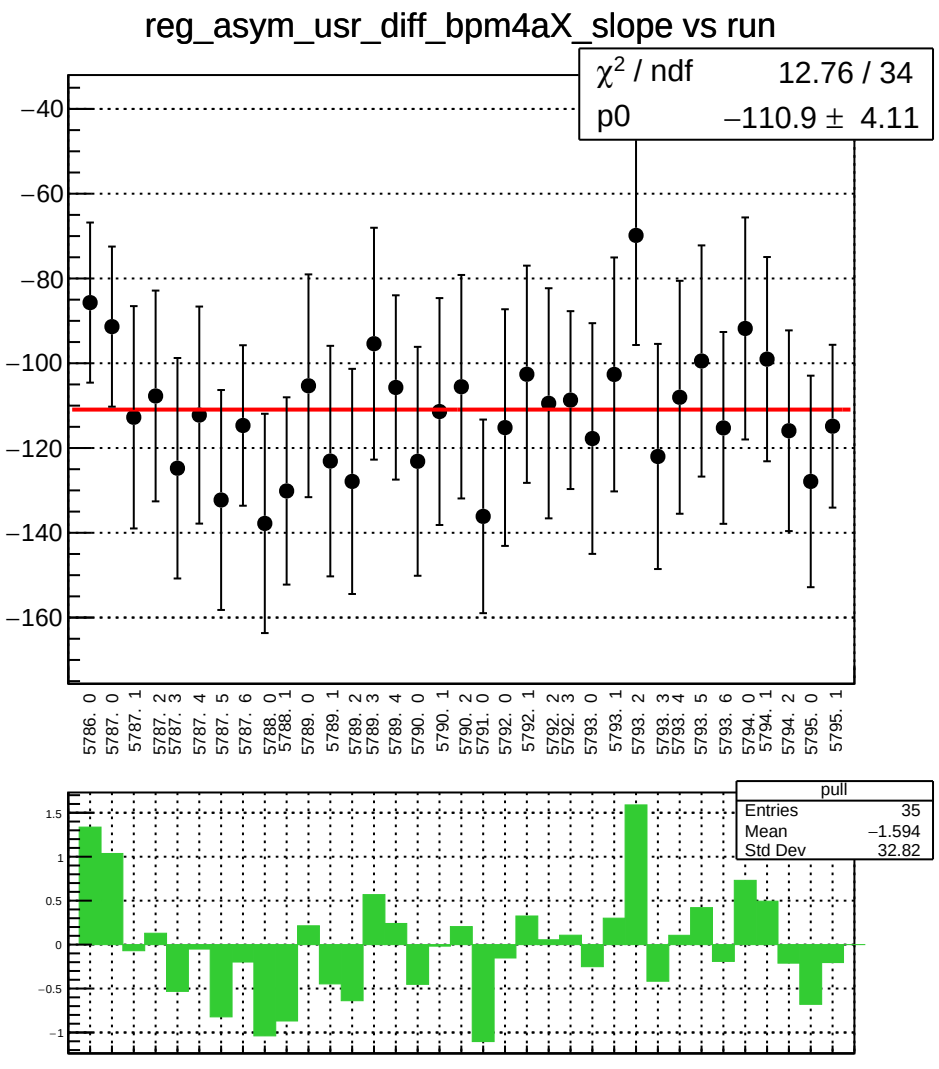

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 56.67 / 34
p0 91.86 ± 3.707
pull
Entries 35
Mean 32.81
Std Dev 20.16

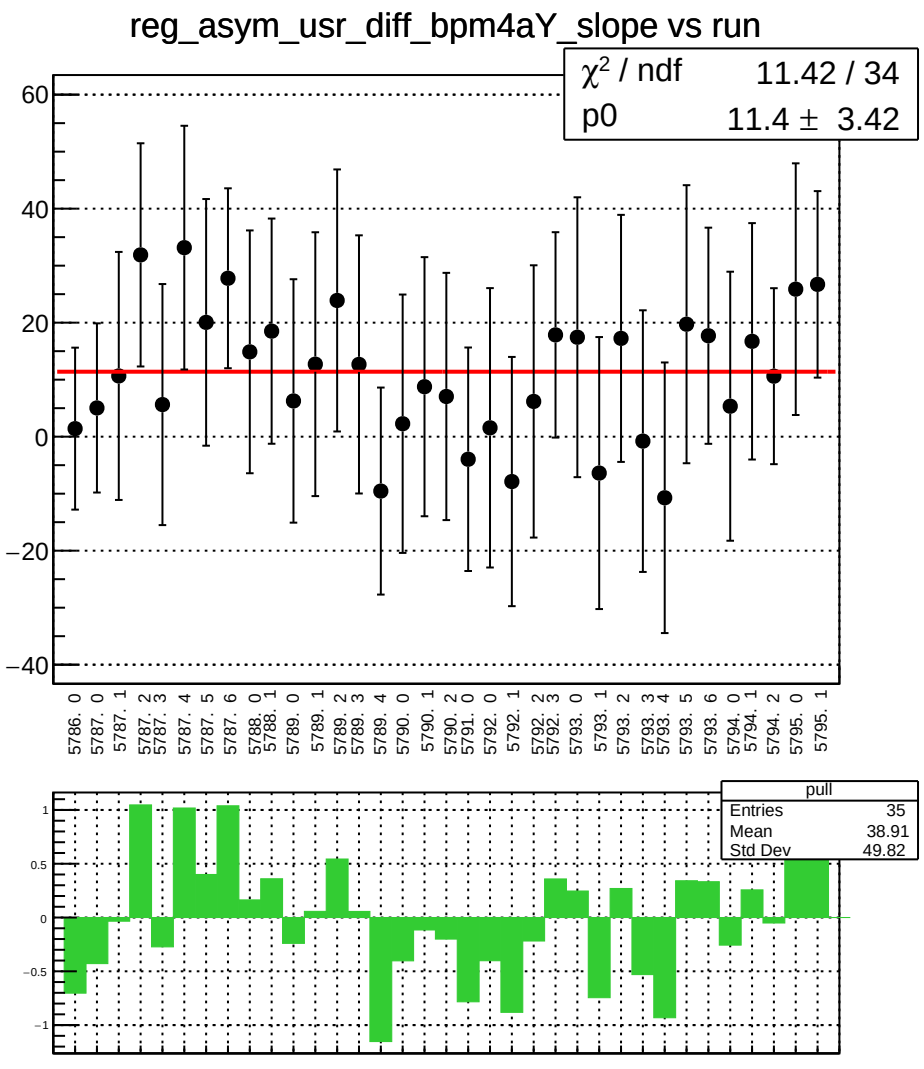

pull1D
Entries 35
Mean 0.05802
Std Dev 1.271

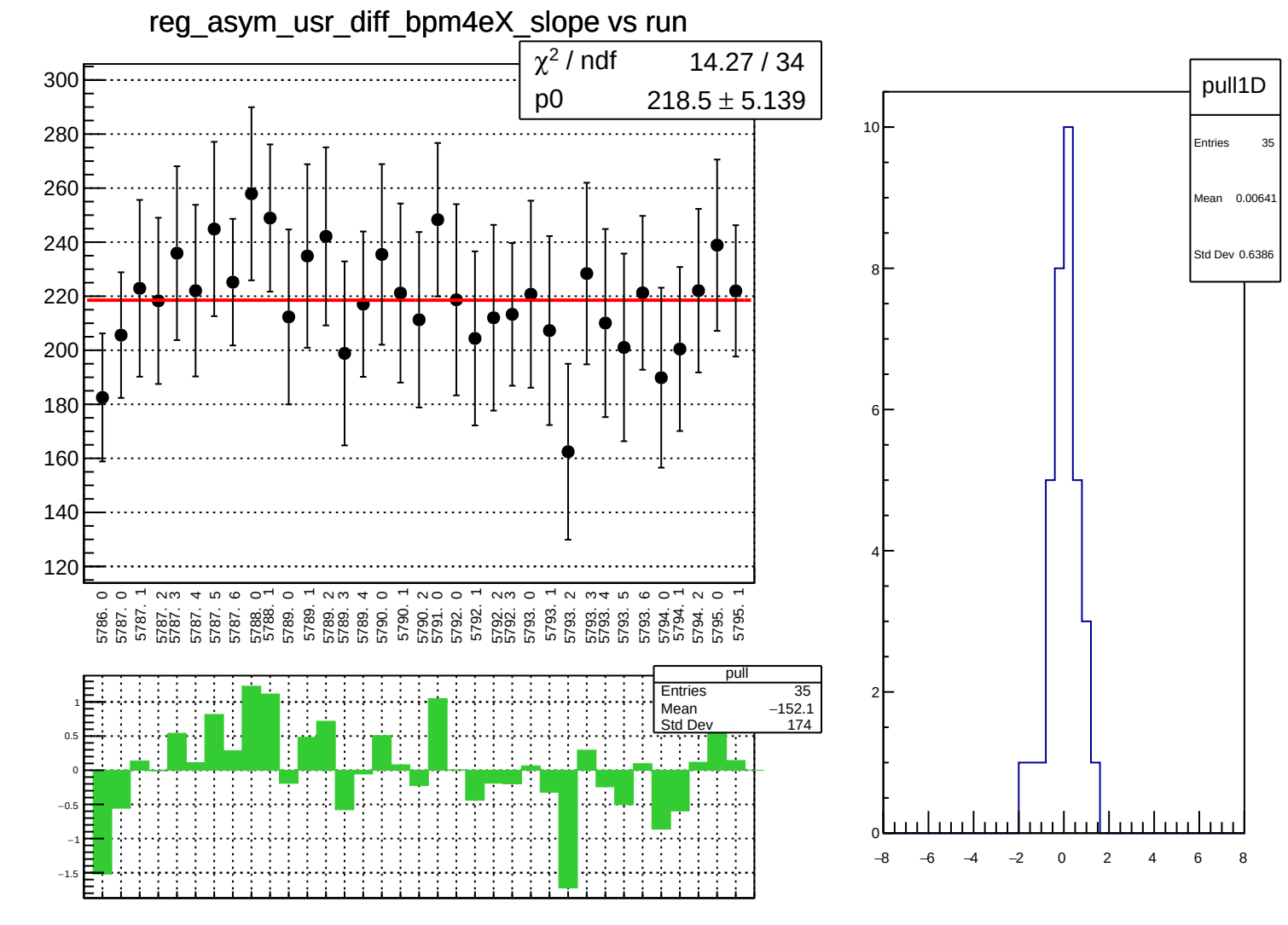

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 30.78 / 34
p0 16.6 ± 2.707
pull
Entries 35
Mean −84.04
Std Dev 46.67

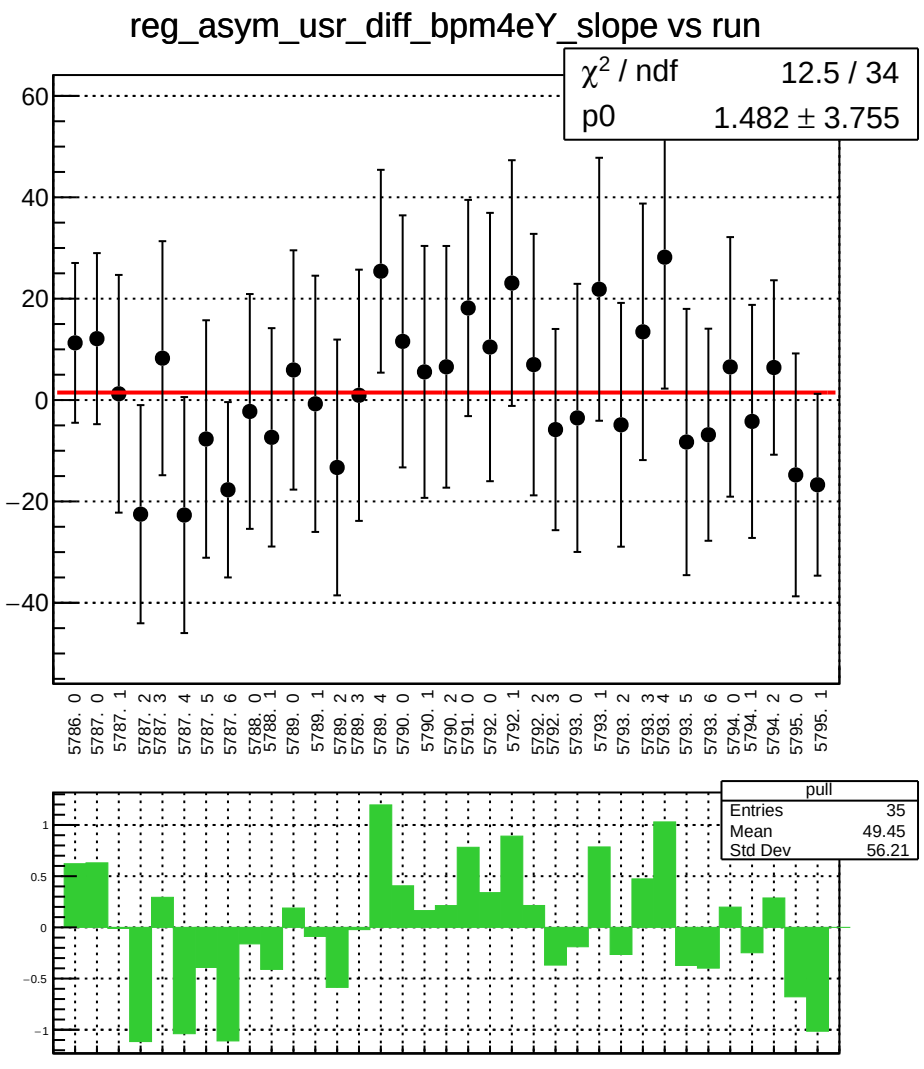

pull1D
Entries 35
Mean −0.0045
Std Dev 0.9377

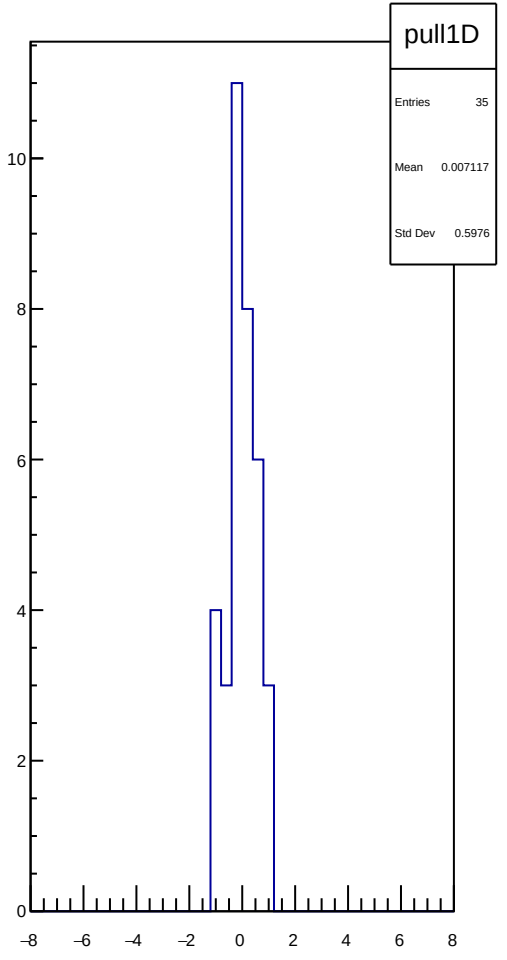

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 126.8 / 34
p0 −47.67 ± 0.1806
−44
−46
−48
−50
−52
−54
−56
−58
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 118.1
Std Dev 91.72
2
0
−2
−4
−6
−8
pull1D
Entries 35
Mean 0.227
Std Dev 1.255
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

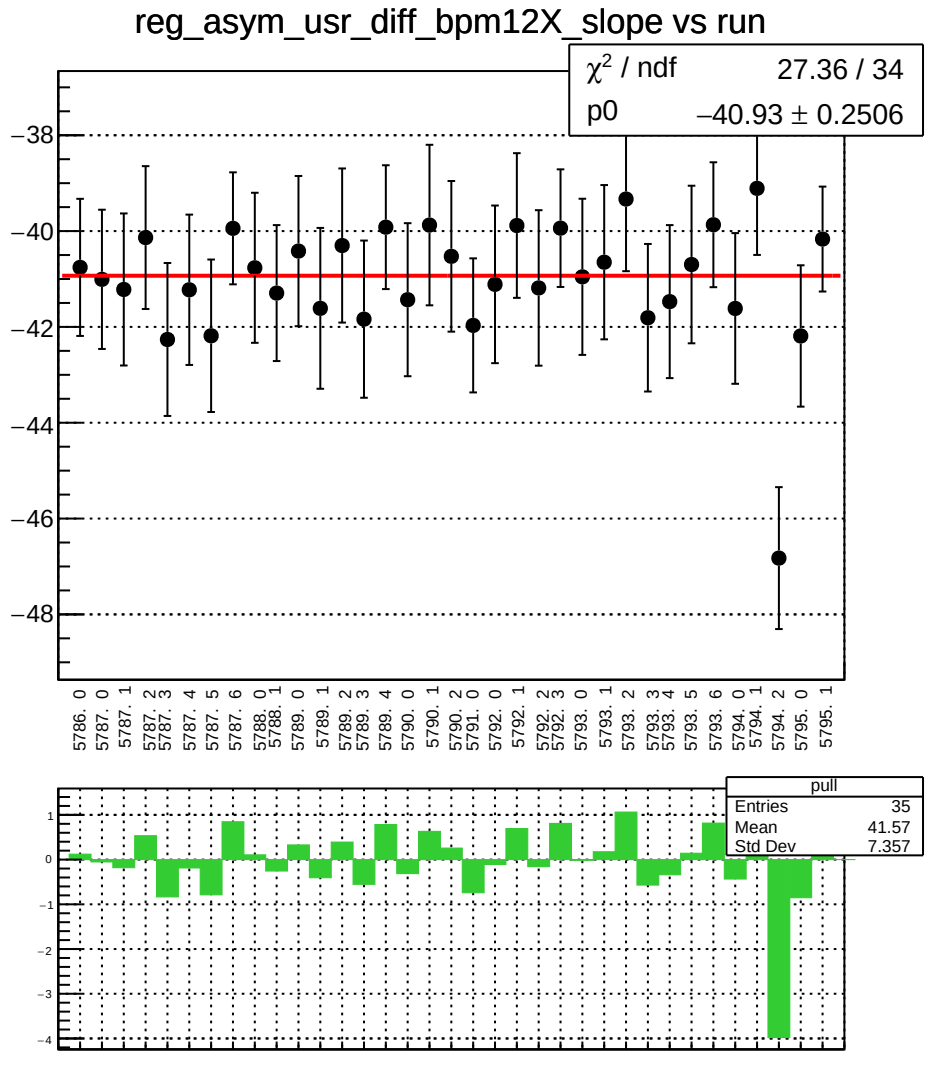

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 12.76 / 34
p0 −110.9 ± 4.11
−40
−60
−80
−100
−120
−140
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1.594
Std Dev 32.82
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.01385
Std Dev 0.6036
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

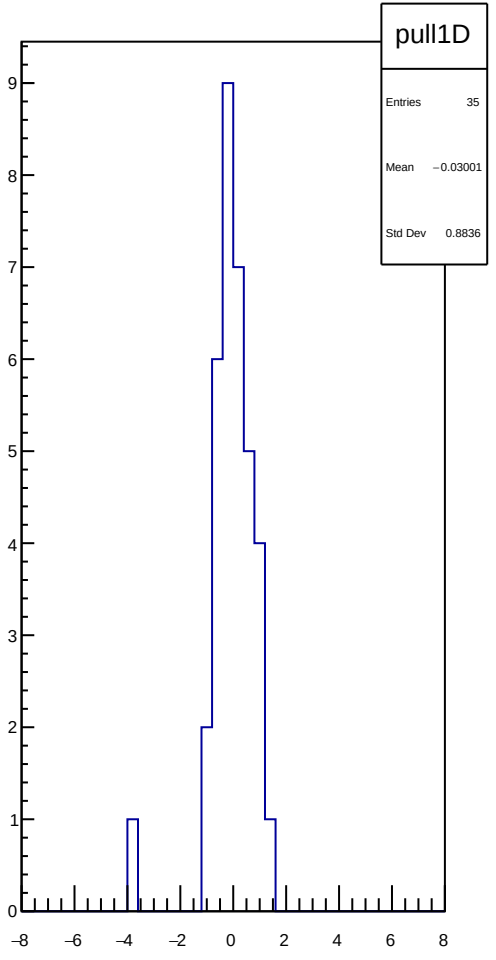

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 11.42 / 34
p0 11.4 ± 3.42
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 38.91
Std Dev 49.82
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.007603
Std Dev 0.5712
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

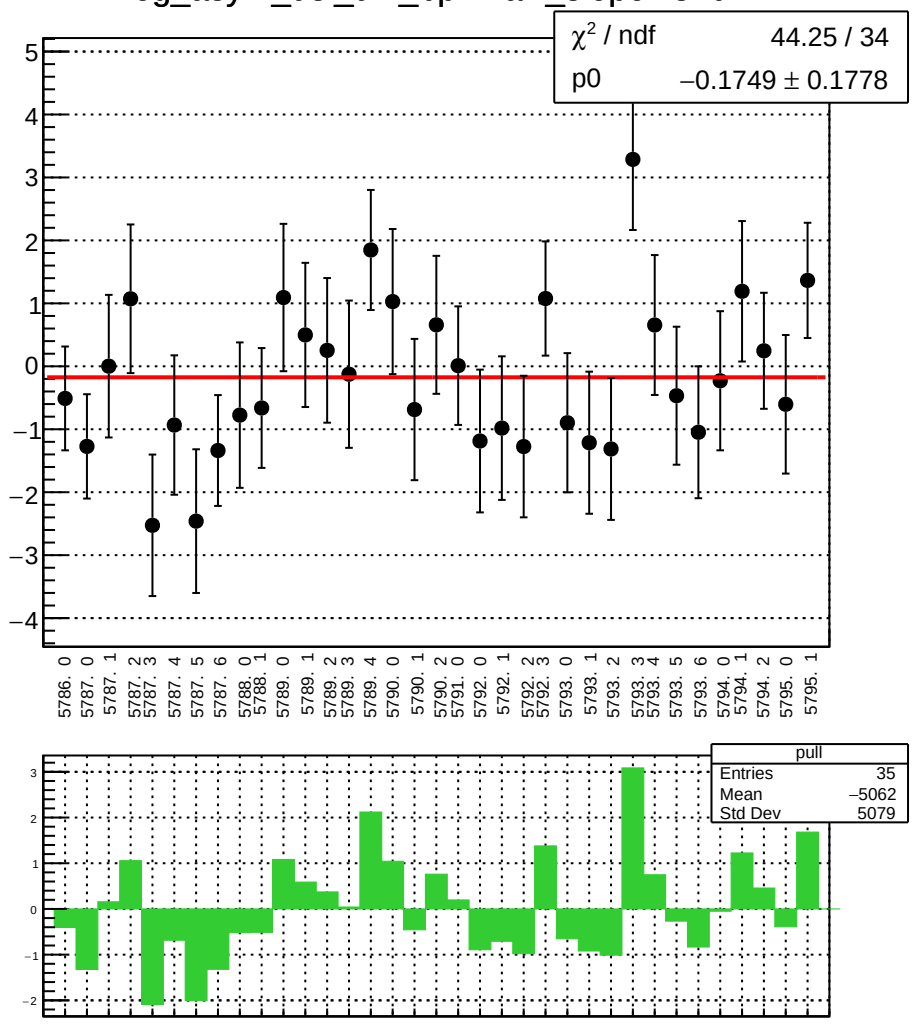

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 14.27 / 34
p0 218.5 ± 5.139
300
280
260
240
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −152.1
Std Dev 174
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.00641
Std Dev 0.6386
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

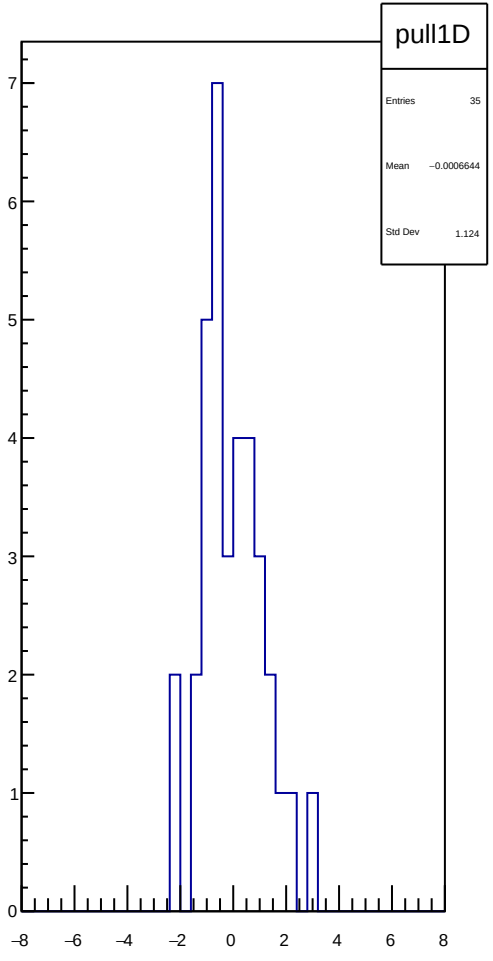

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 12.5 / 34
p0 1.482 ± 3.755
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 49.45
Std Dev 56.21
1
0.5
0
−0.5
−1

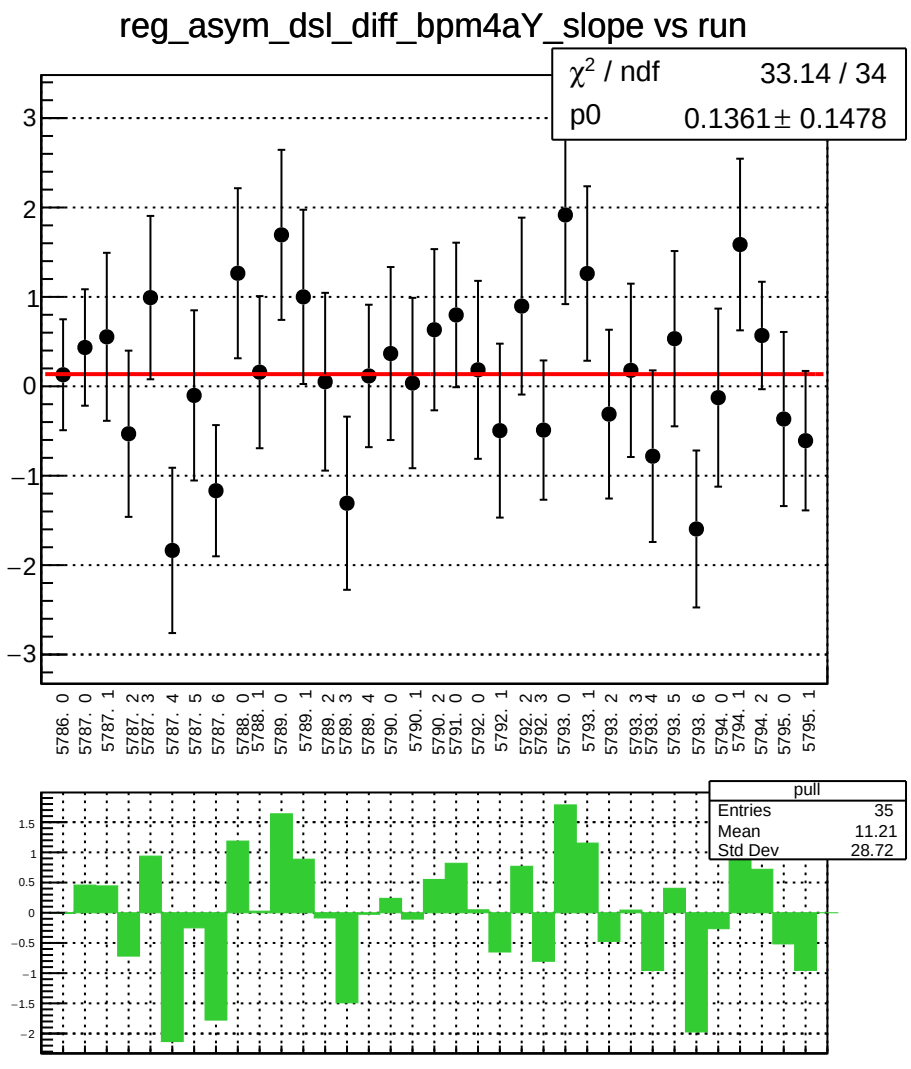

pull1D
Entries 35
Mean 0.007117
Std Dev 0.5976
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

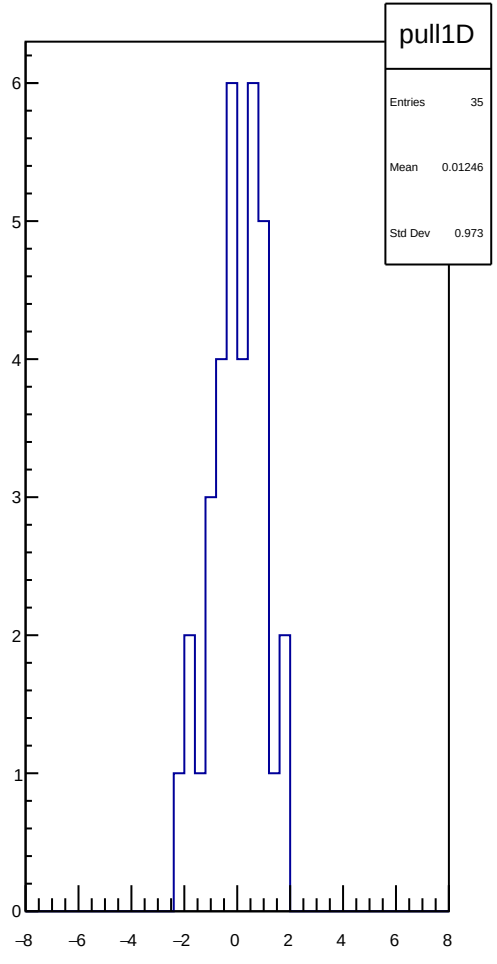

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 27.36 / 34
p0 −40.93 ± 0.2506
−38
−40
−42
−44
−46
−48
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 41.57
Std Dev 7.357
1
0
−1
−2
−3
−4

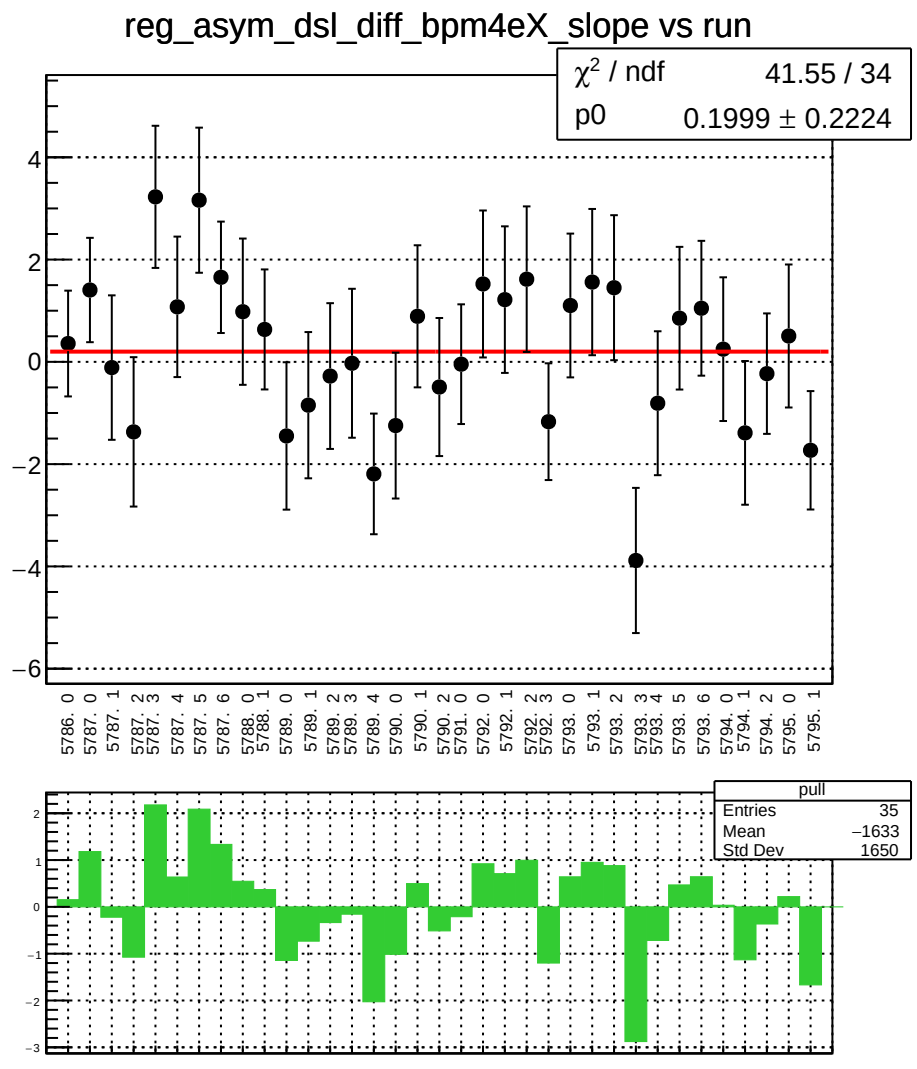

pull1D
Entries 35
Mean −0.03001
Std Dev 0.8836
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

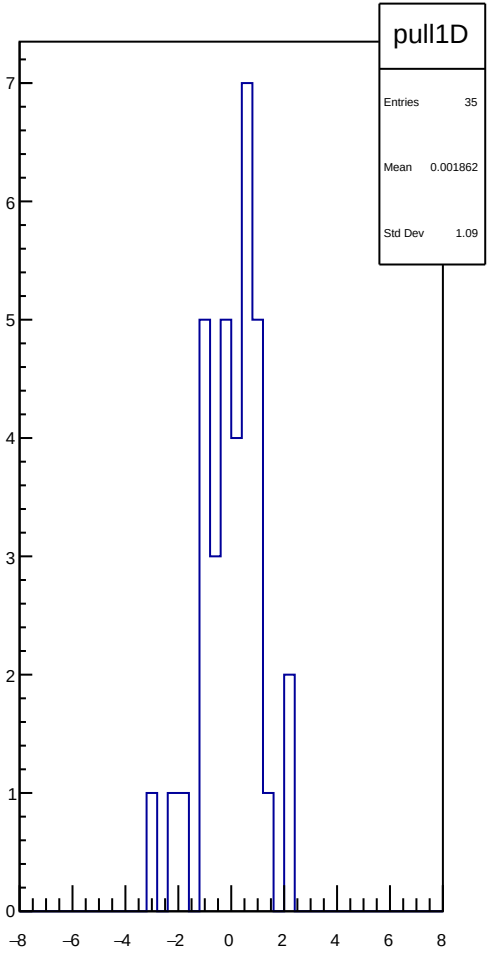

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 44.25 / 34
p0 −0.1749 ± 0.1778
pull
Entries 35
Mean −5062
Std Dev 5079

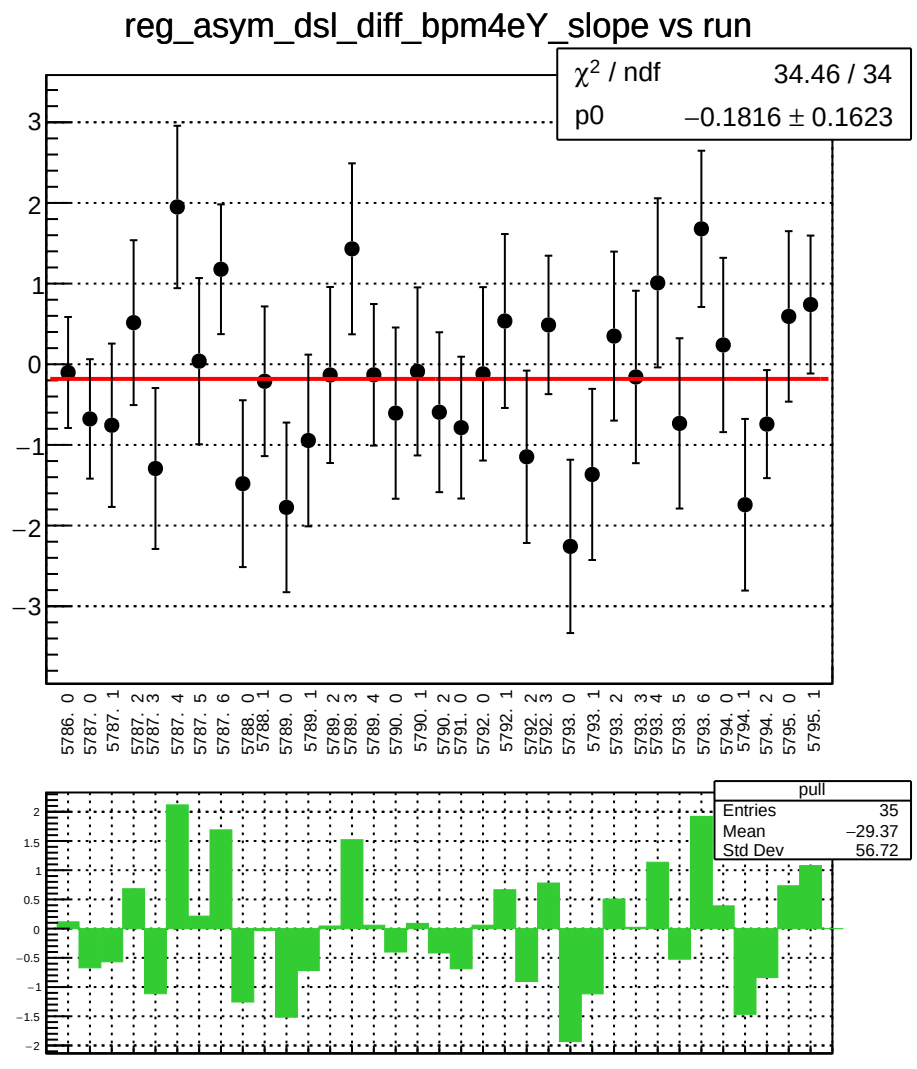

pull1D
Entries 35
Mean −0.0006644
Std Dev 1.124

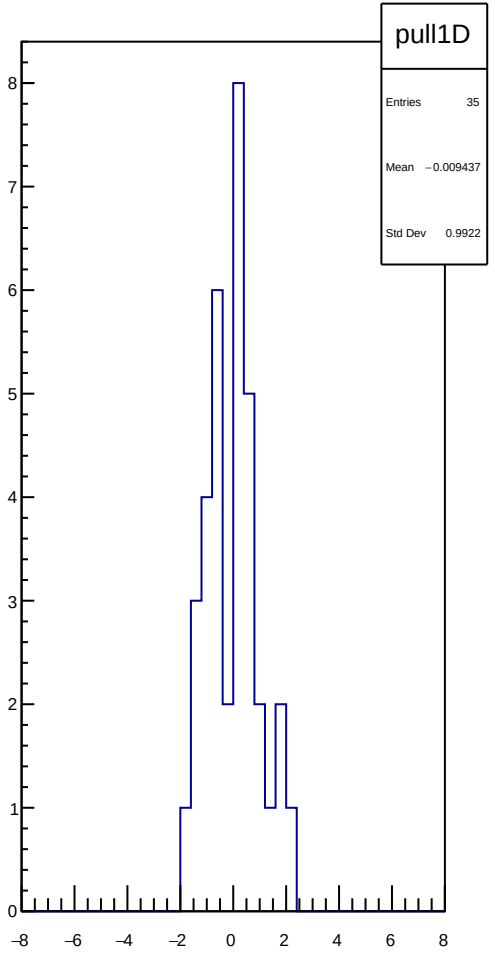

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 33.14 / 34
p0 0.1361± 0.1478
pull
Entries 35
Mean 11.21
Std Dev 28.72

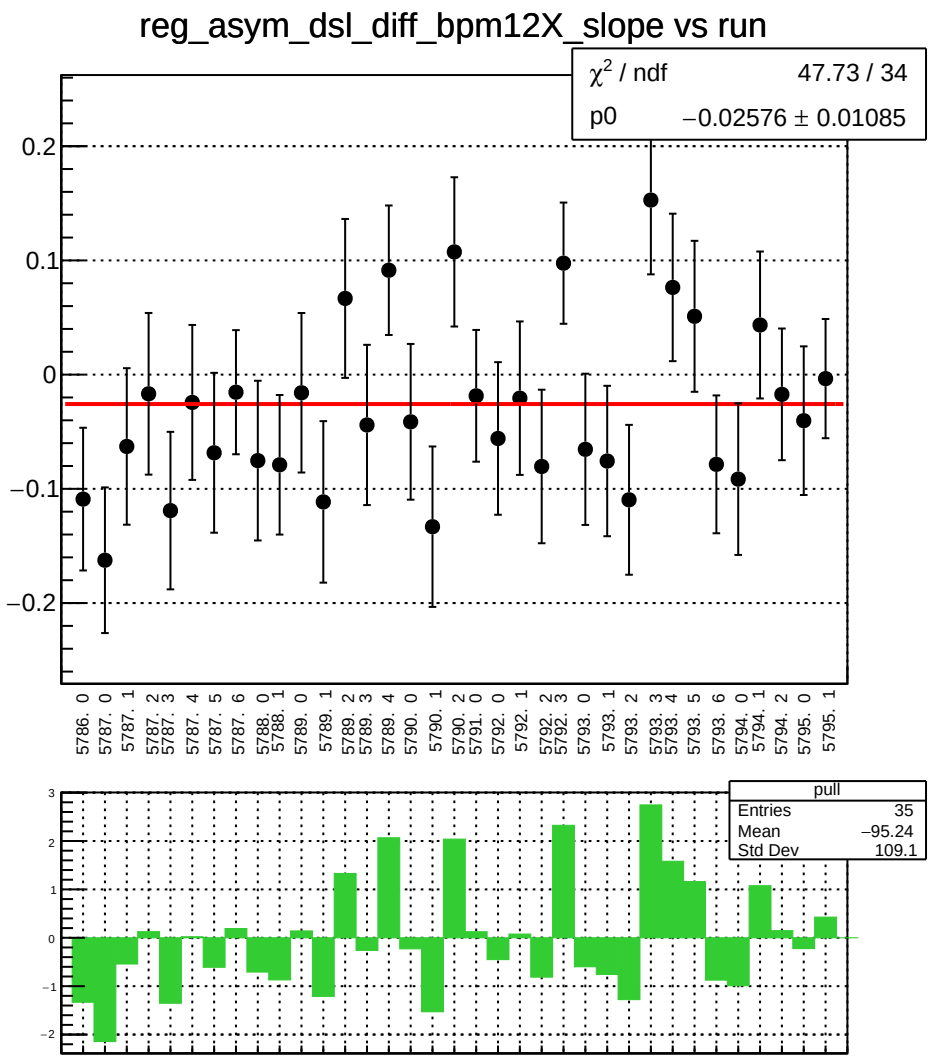

pull1D
Entries 35
Mean 0.01246
Std Dev 0.973

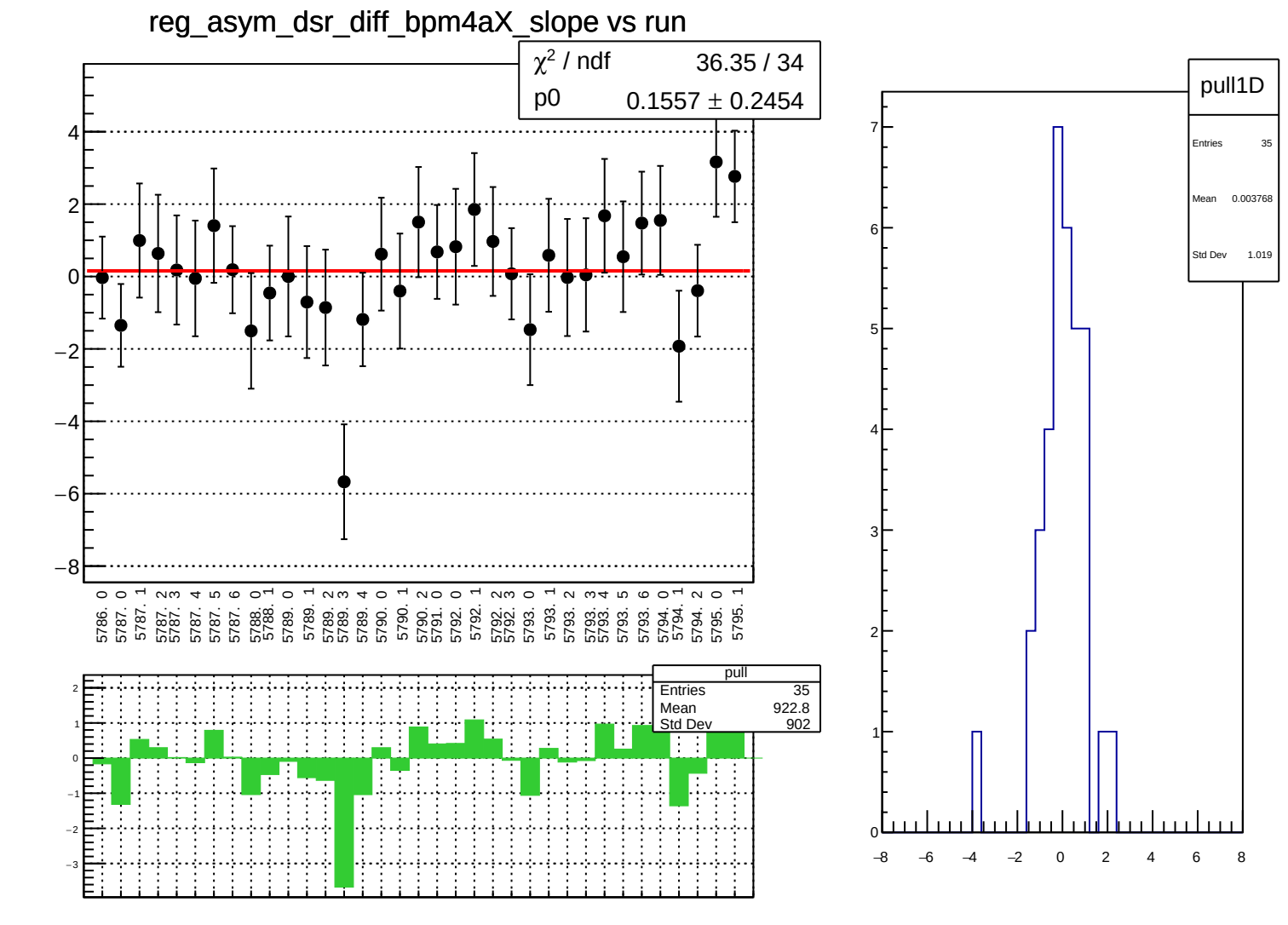

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 41.55 / 34
p0 0.1999 ± 0.2224
pull
Entries 35
Mean −1633
Std Dev 1650

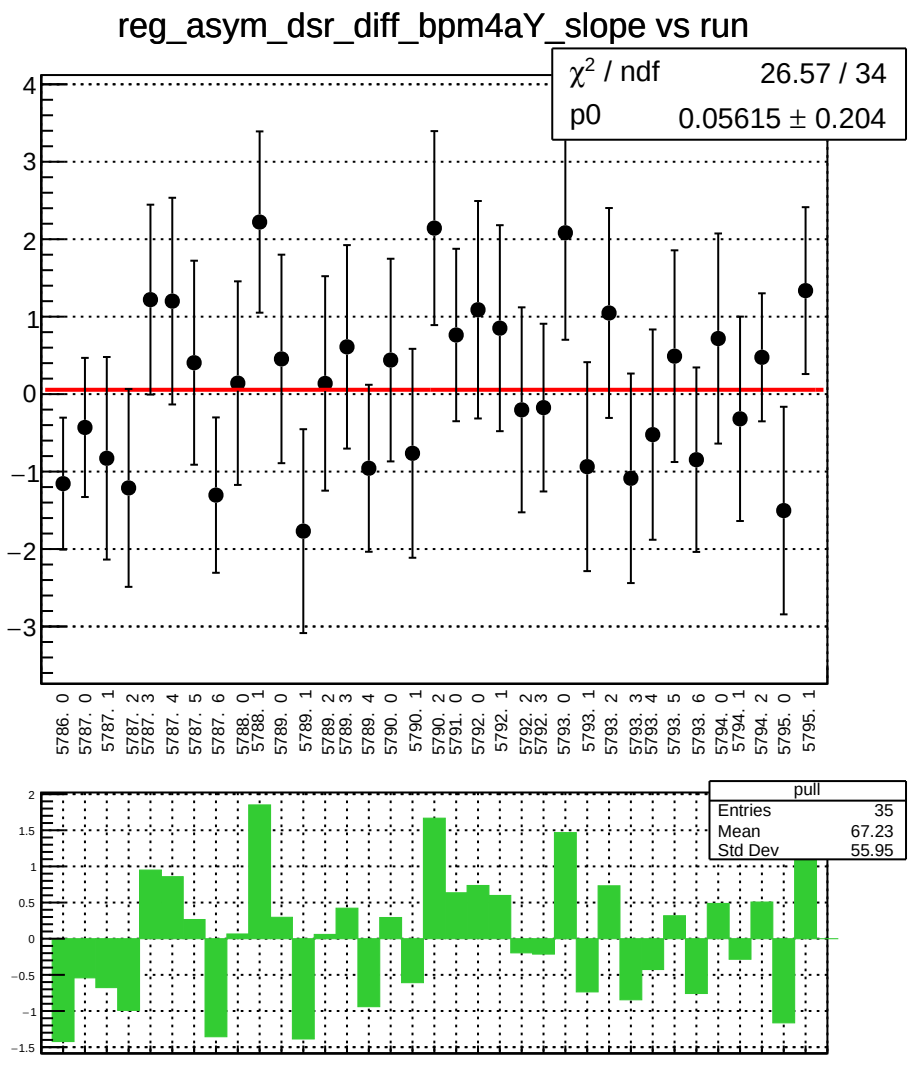

pull1D
Entries 35
Mean 0.001862
Std Dev 1.09

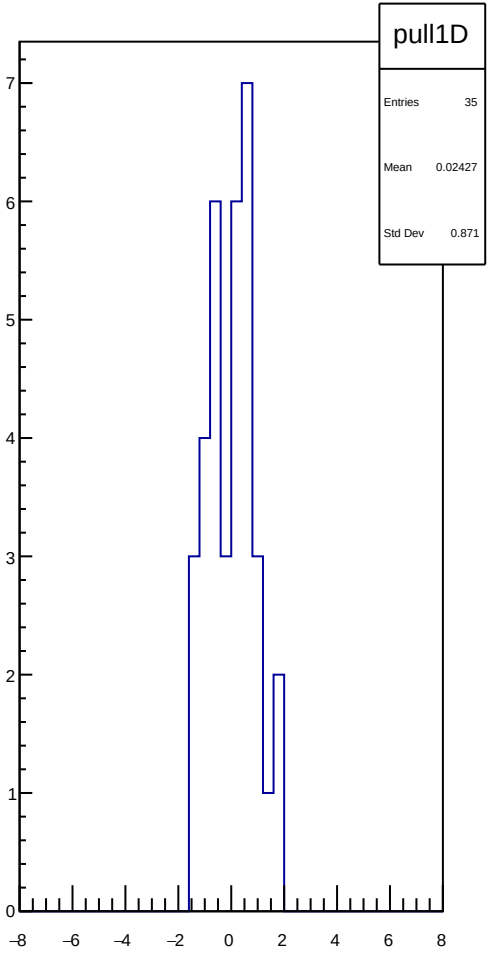

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 34.46 / 34
p0 −0.1816 ± 0.1623
pull
Entries 35
Mean −29.37
Std Dev 56.72

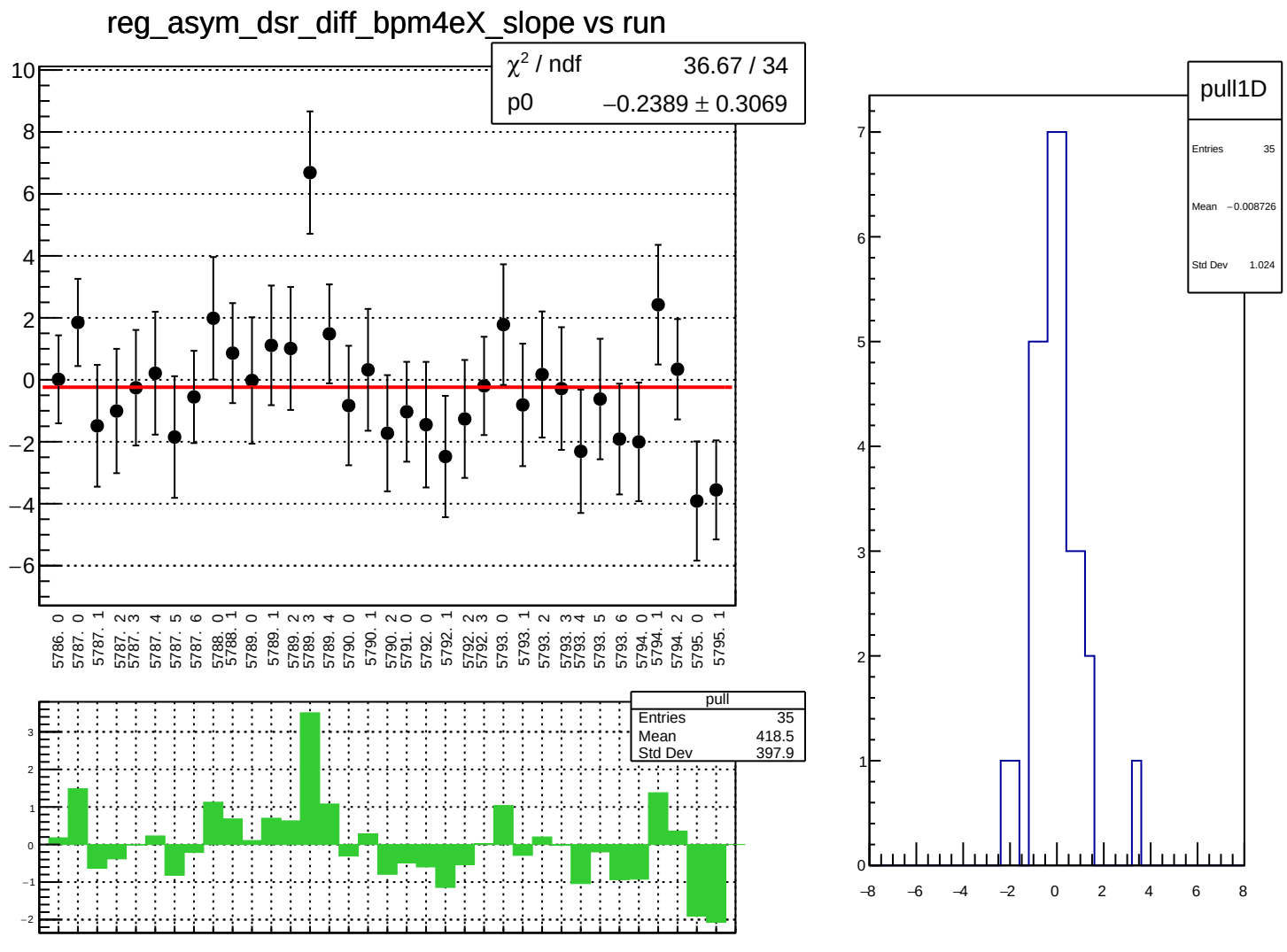

pull1D
Entries 35
Mean −0.009437
Std Dev 0.9922

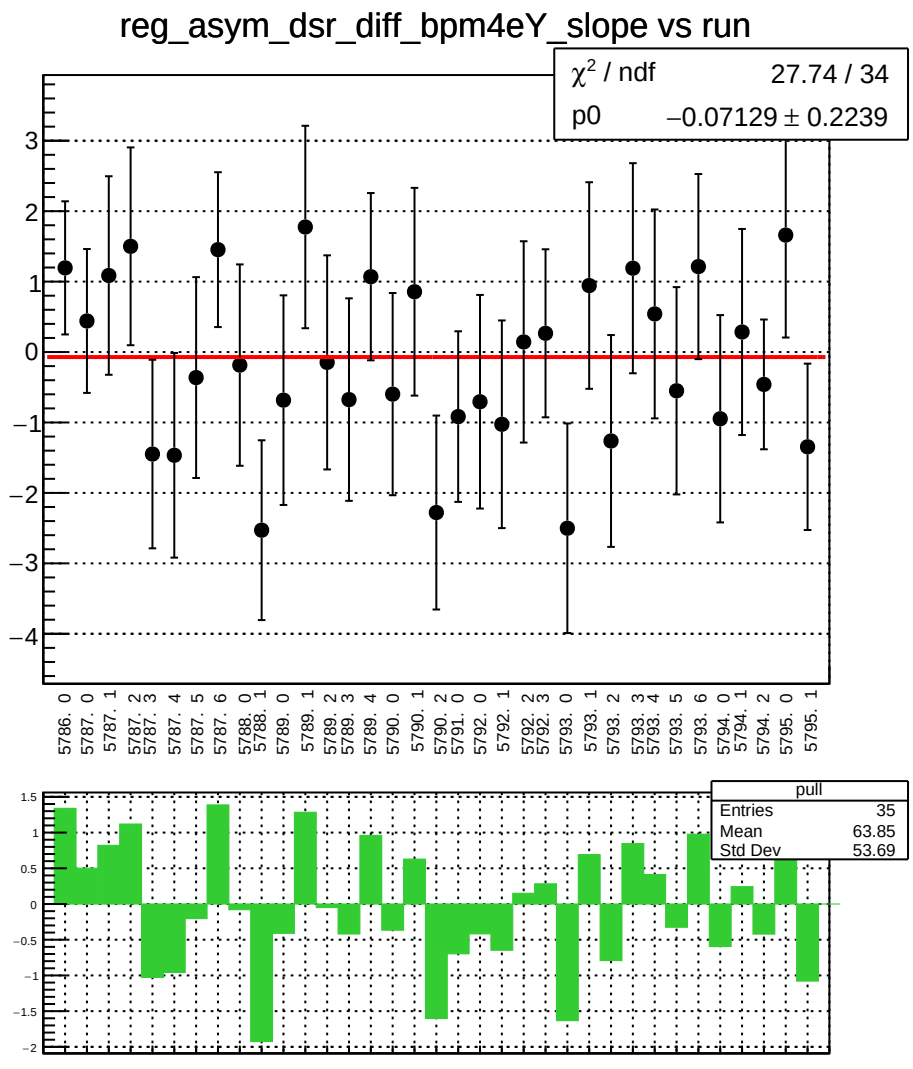

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 47.73 / 34
p0 −0.02576 ± 0.01085
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −95.24
Std Dev 109.1
3
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.03417
Std Dev 1.167
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

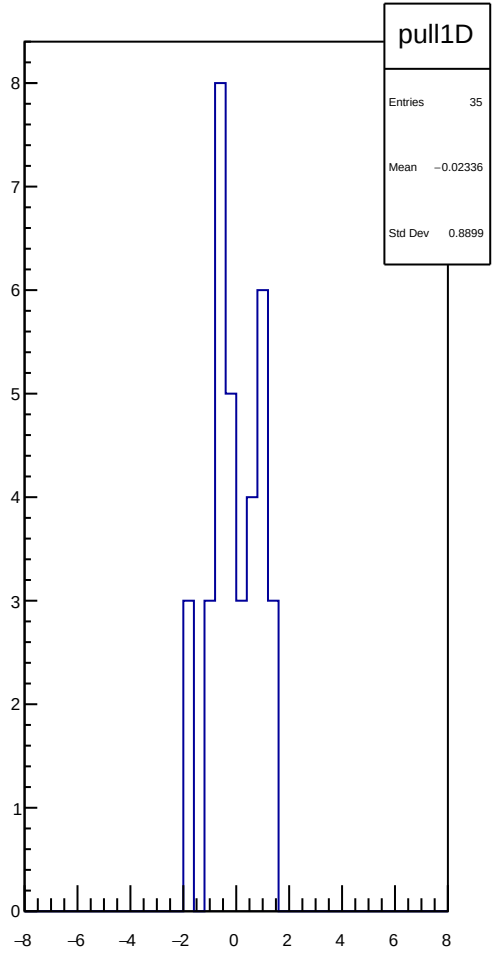

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 36.35 / 34
p0 0.1557 ± 0.2454
pull
Entries 35
Mean 922.8
Std Dev 902
pull1D
Entries 35
Mean 0.003768
Std Dev 1.019

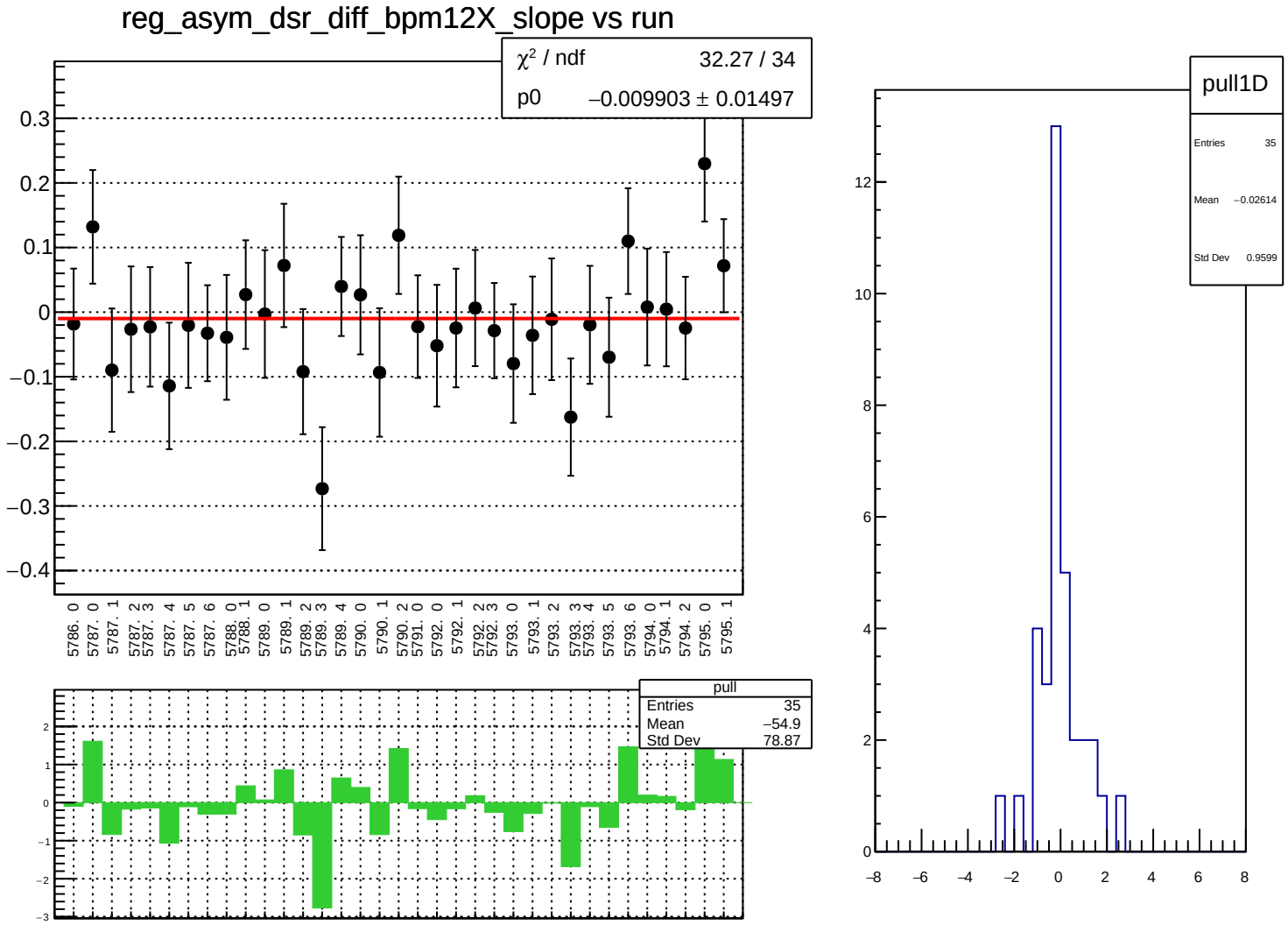

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 26.57 / 34
p0 0.05615 ± 0.204
pull
Entries 35
Mean 67.23
Std Dev 55.95

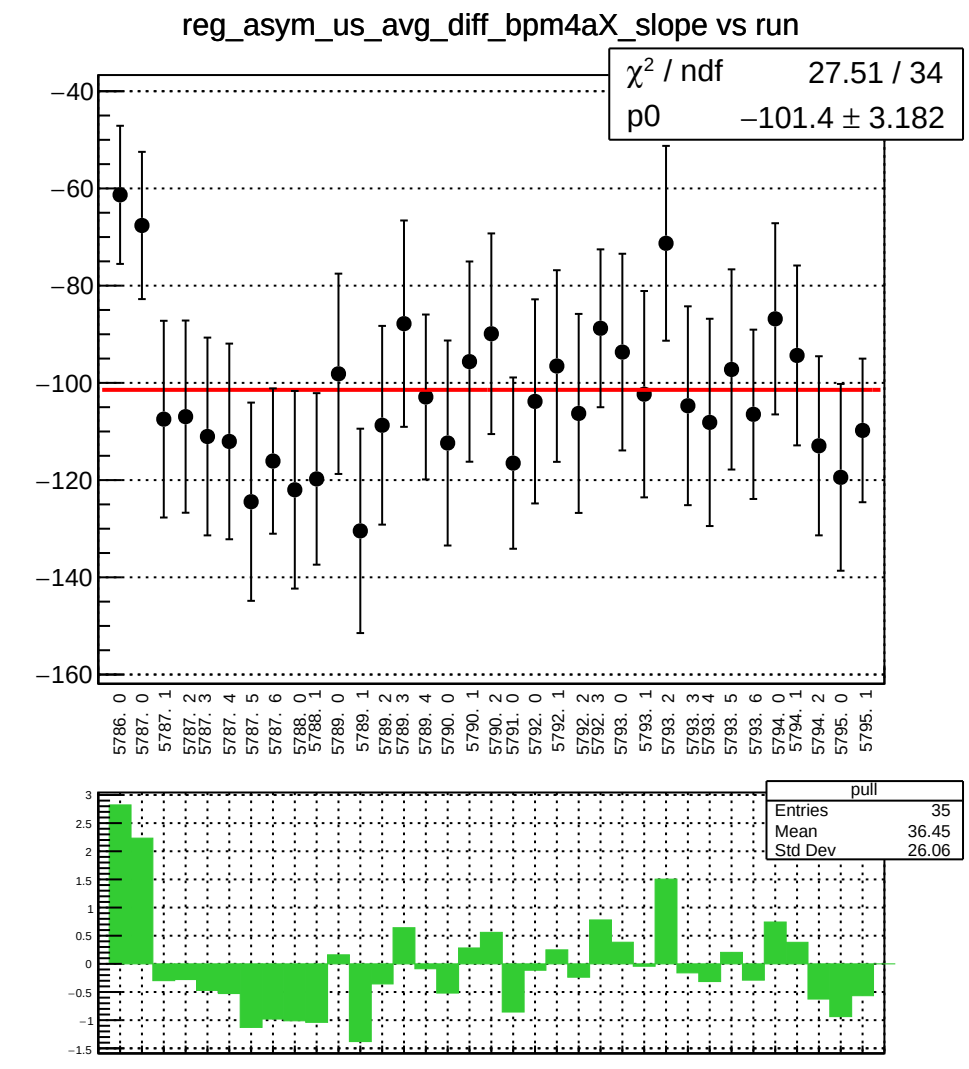

pull1D
Entries 35
Mean 0.02427
Std Dev 0.871

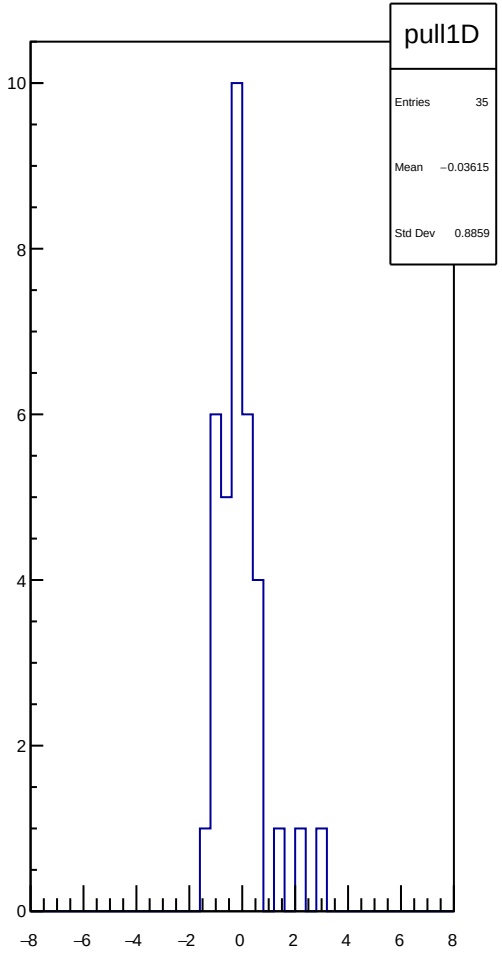

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 36.67 / 34
p0 −0.2389 ± 0.3069
pull
Entries 35
Mean 418.5
Std Dev 397.9
pull1D
Entries 35
Mean −0.008726
Std Dev 1.024

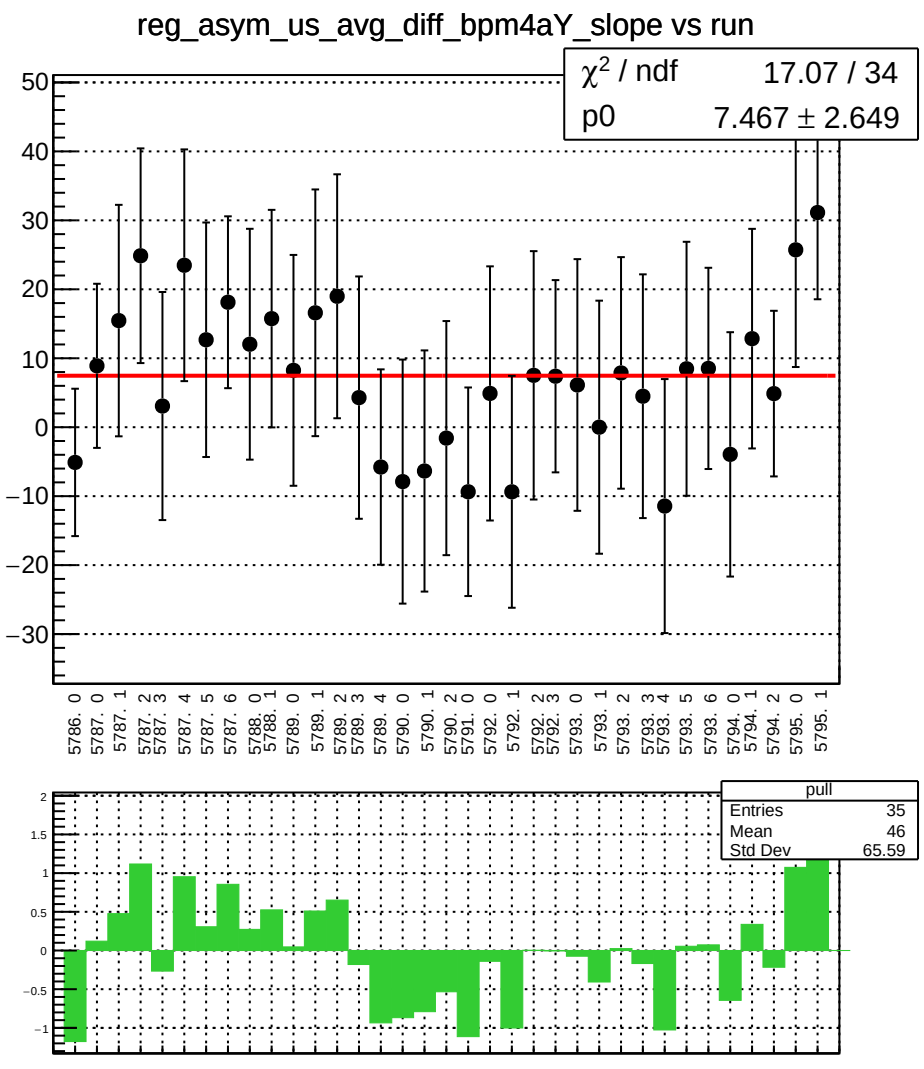

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 27.74 / 34
p0 −0.07129 ± 0.2239
pull
Entries 35
Mean 63.85
Std Dev 53.69

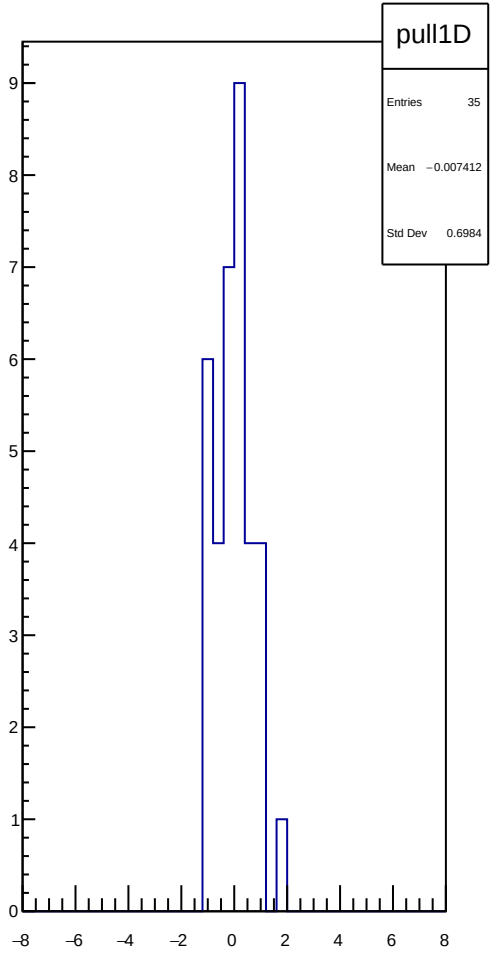

pull1D
Entries 35
Mean −0.02336
Std Dev 0.8899

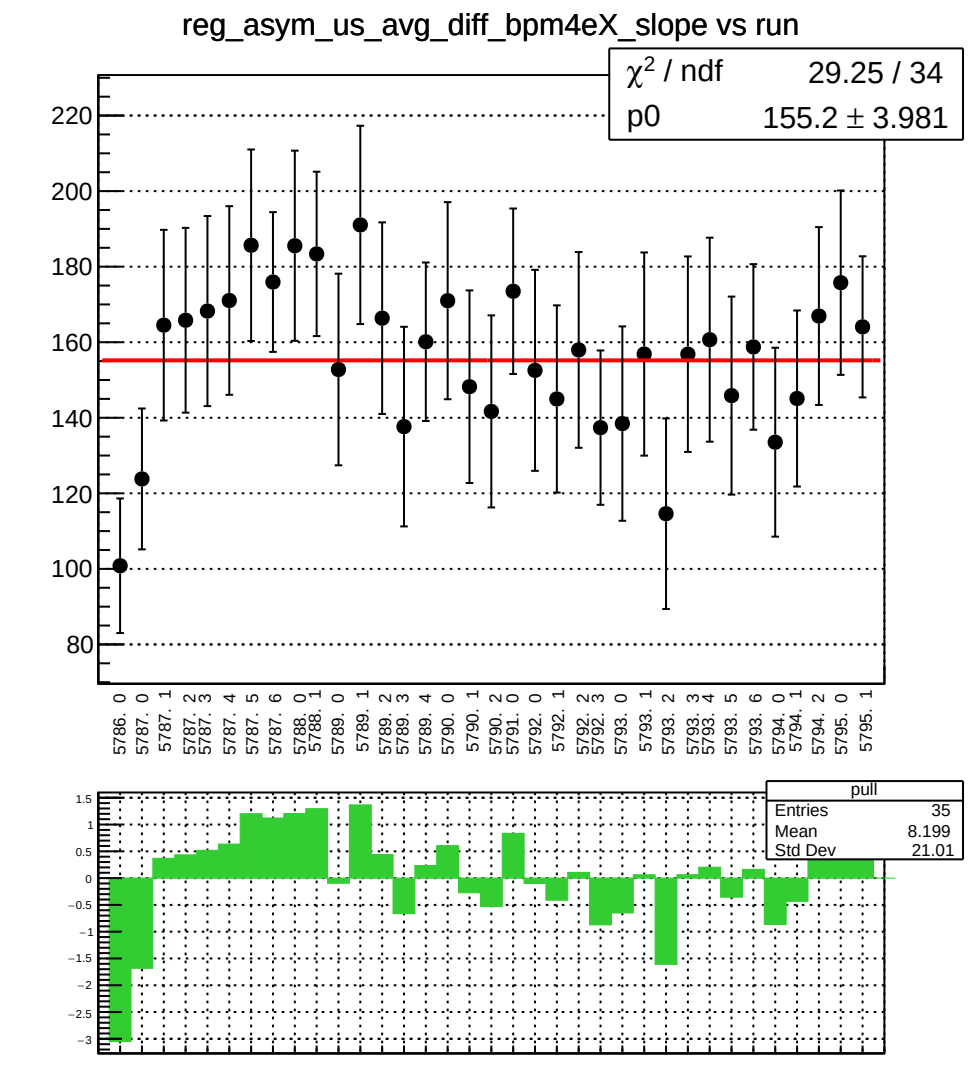

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 32.27 / 34
p0 −0.009903 ± 0.01497
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −54.9
Std Dev 78.87
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean −0.02614
Std Dev 0.9599
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

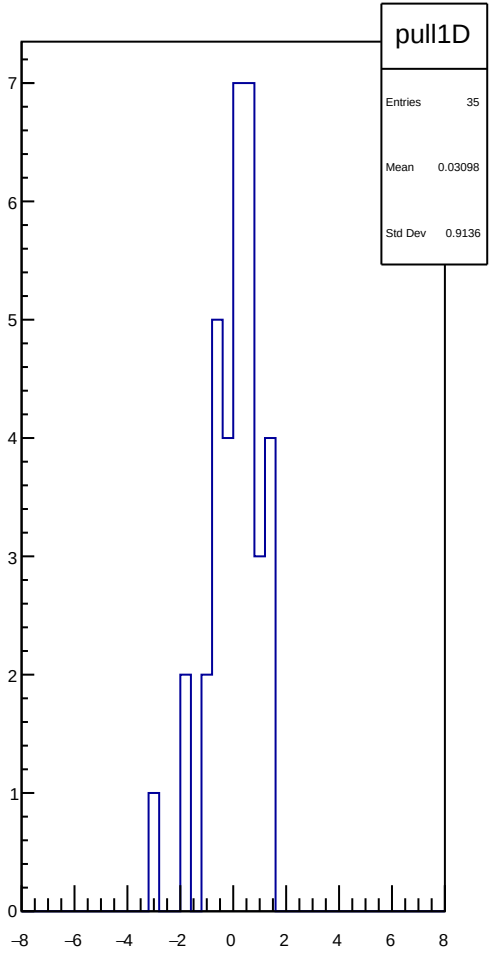

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.51 / 34
p0 −101.4 ± 3.182
pull
Entries 35
Mean 36.45
Std Dev 26.06

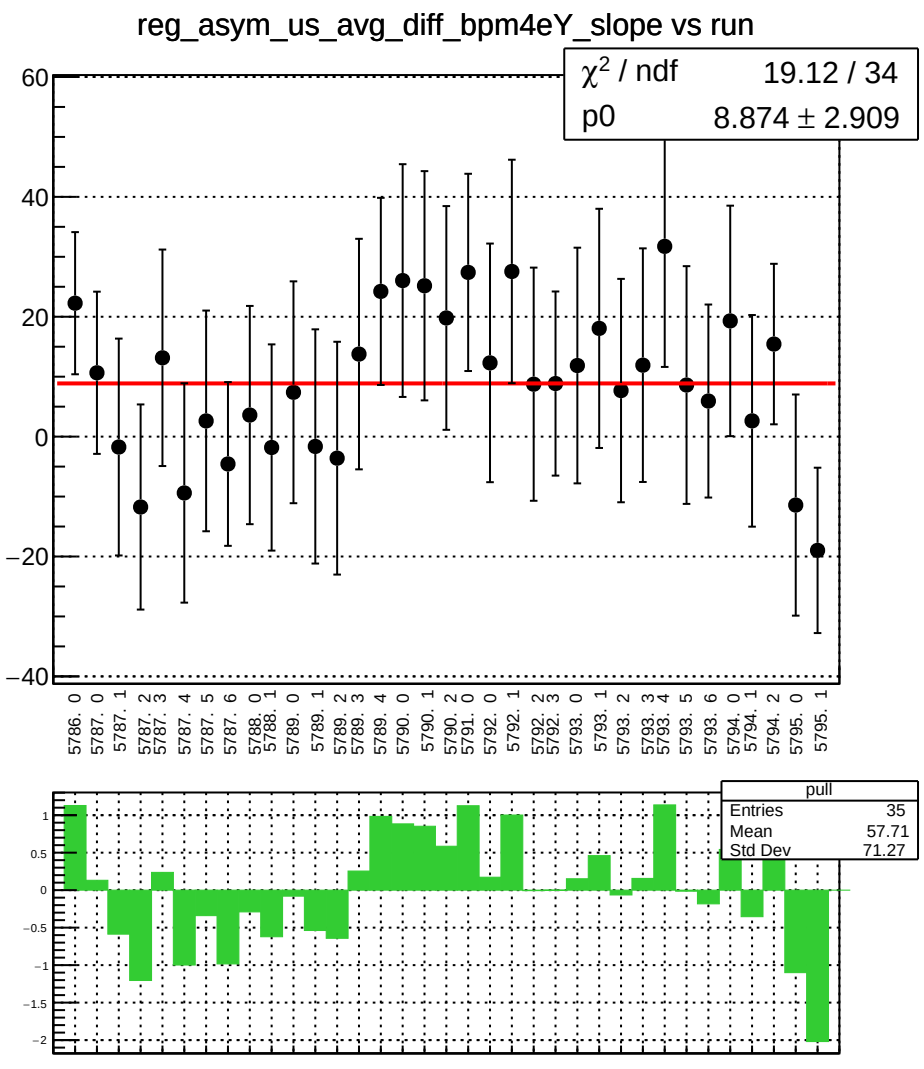

pull1D
Entries 35
Mean −0.03615
Std Dev 0.8859

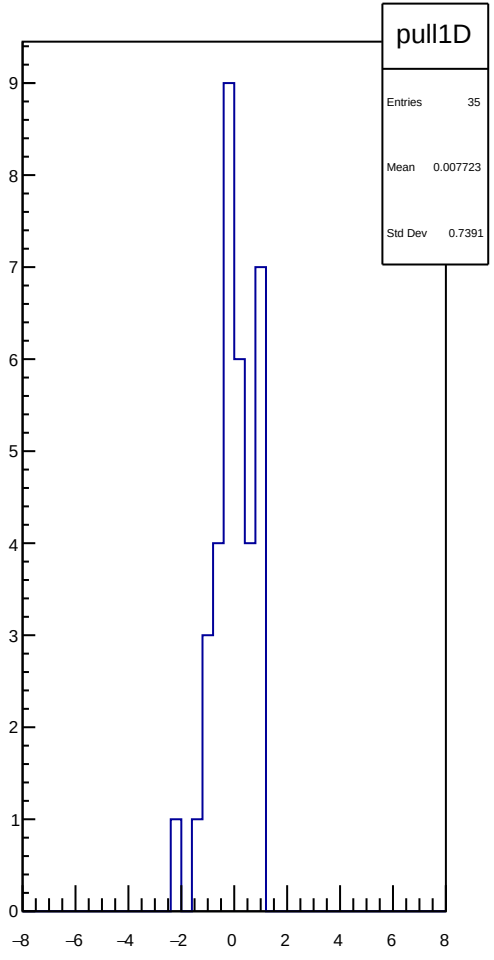

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.07 / 34
p0 7.467 ± 2.649
pull
Entries 35
Mean 46
Std Dev 65.59

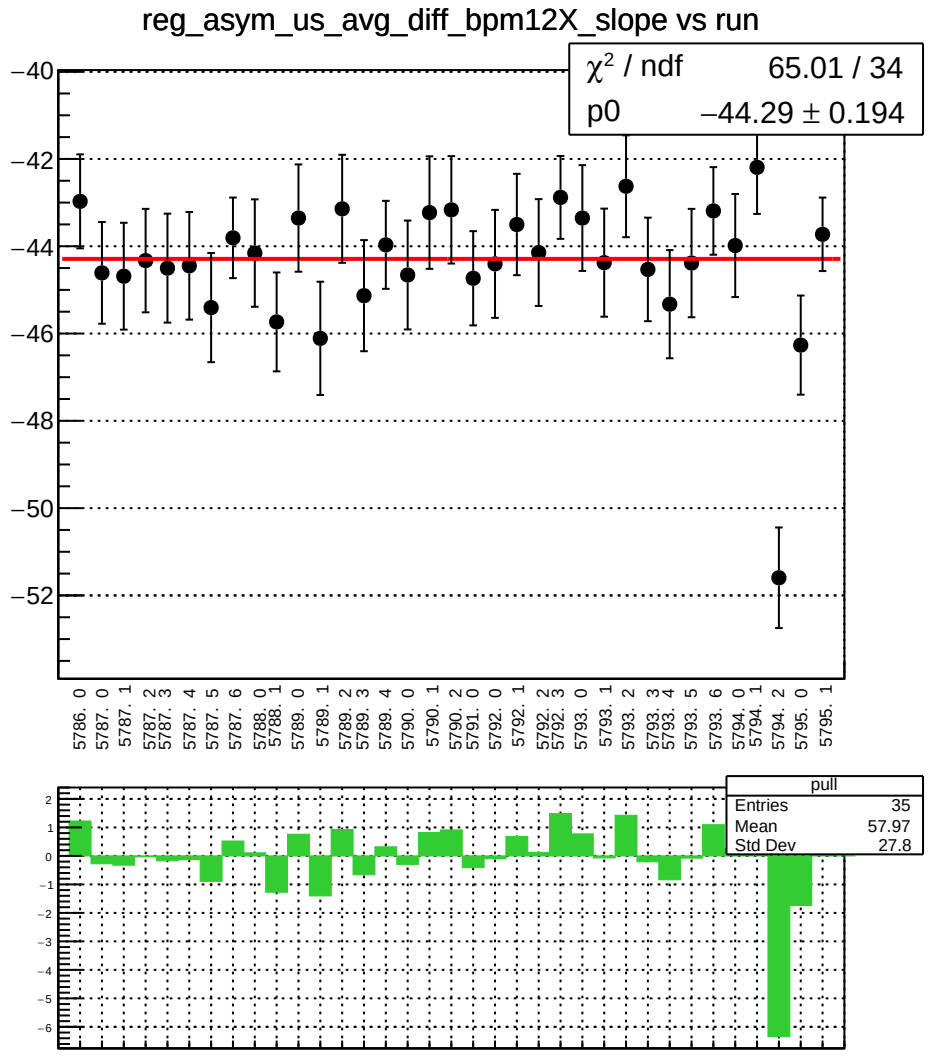

pull1D
Entries 35
Mean −0.007412
Std Dev 0.6984

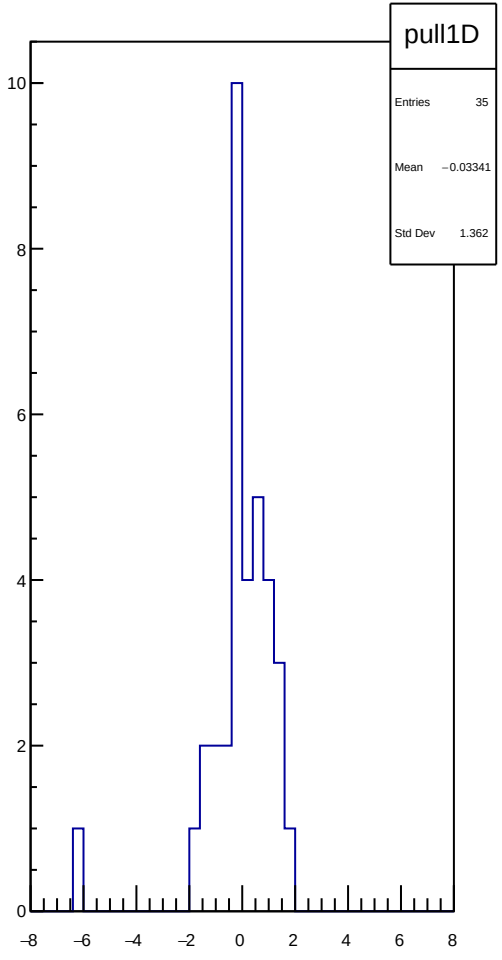

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.25 / 34
p0 155.2 ± 3.981
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 8.199
Std Dev 21.01
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

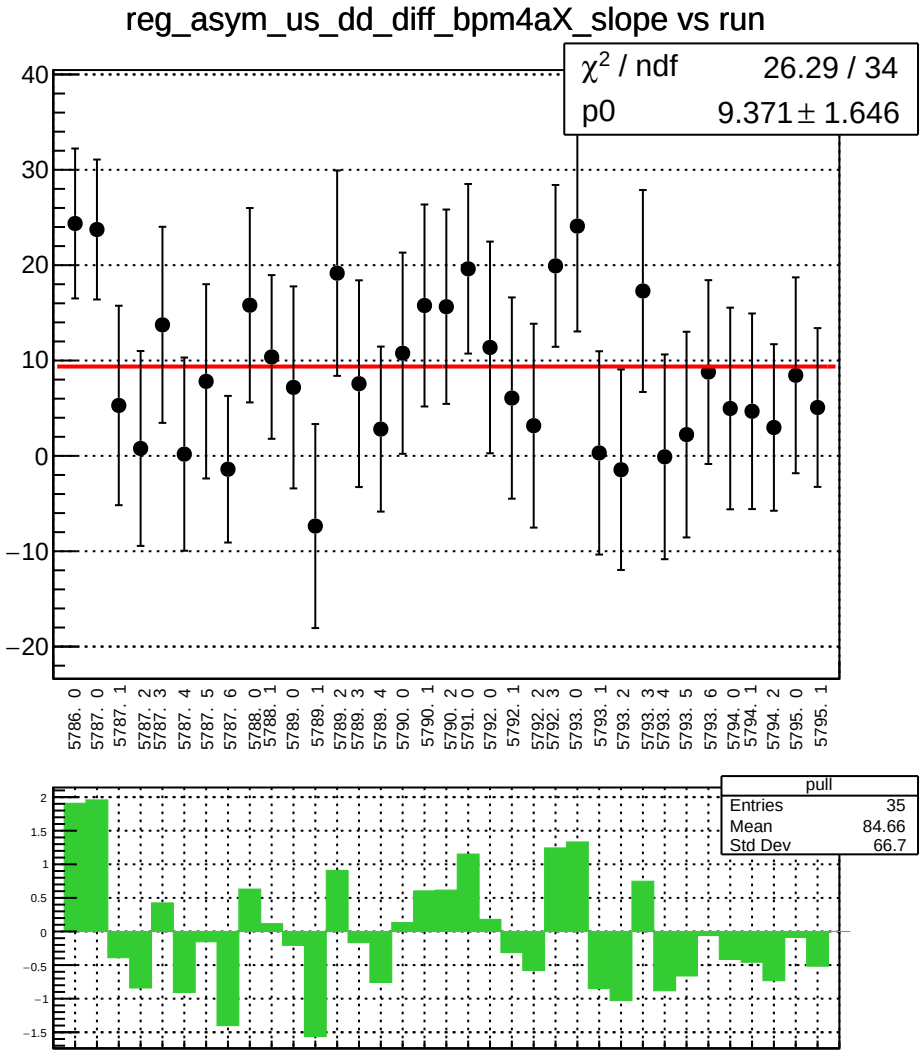

pull1D
Entries 35
Mean 0.03098
Std Dev 0.9136
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

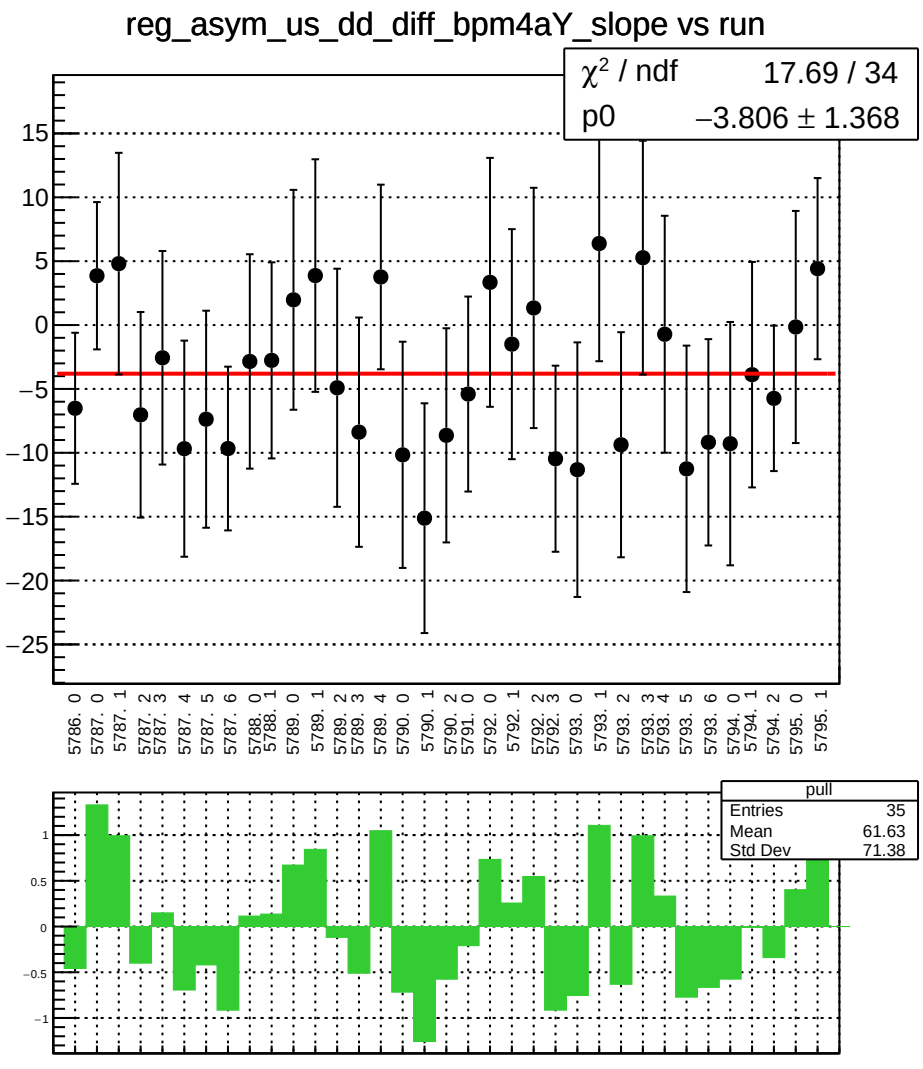

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.12 / 34
p0 8.874 ± 2.909
pull
Entries 35
Mean 57.71
Std Dev 71.27

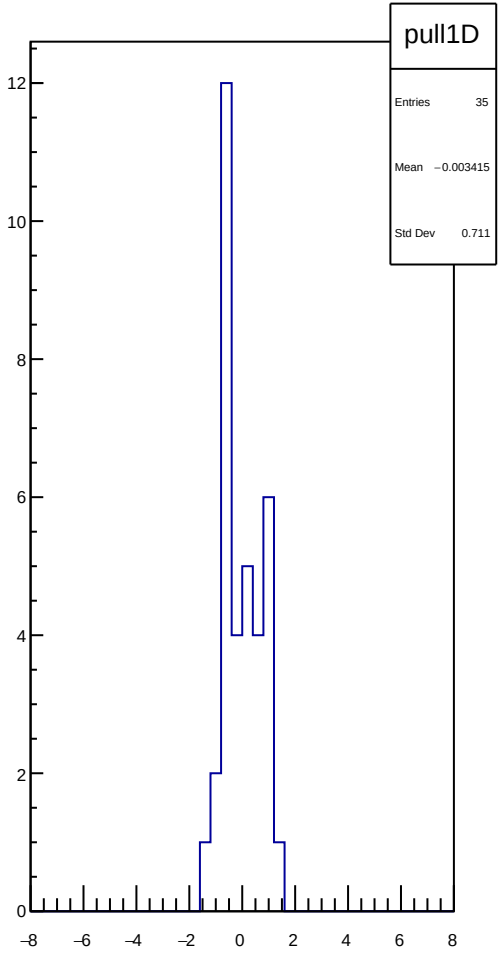

pull1D
Entries 35
Mean 0.007723
Std Dev 0.7391

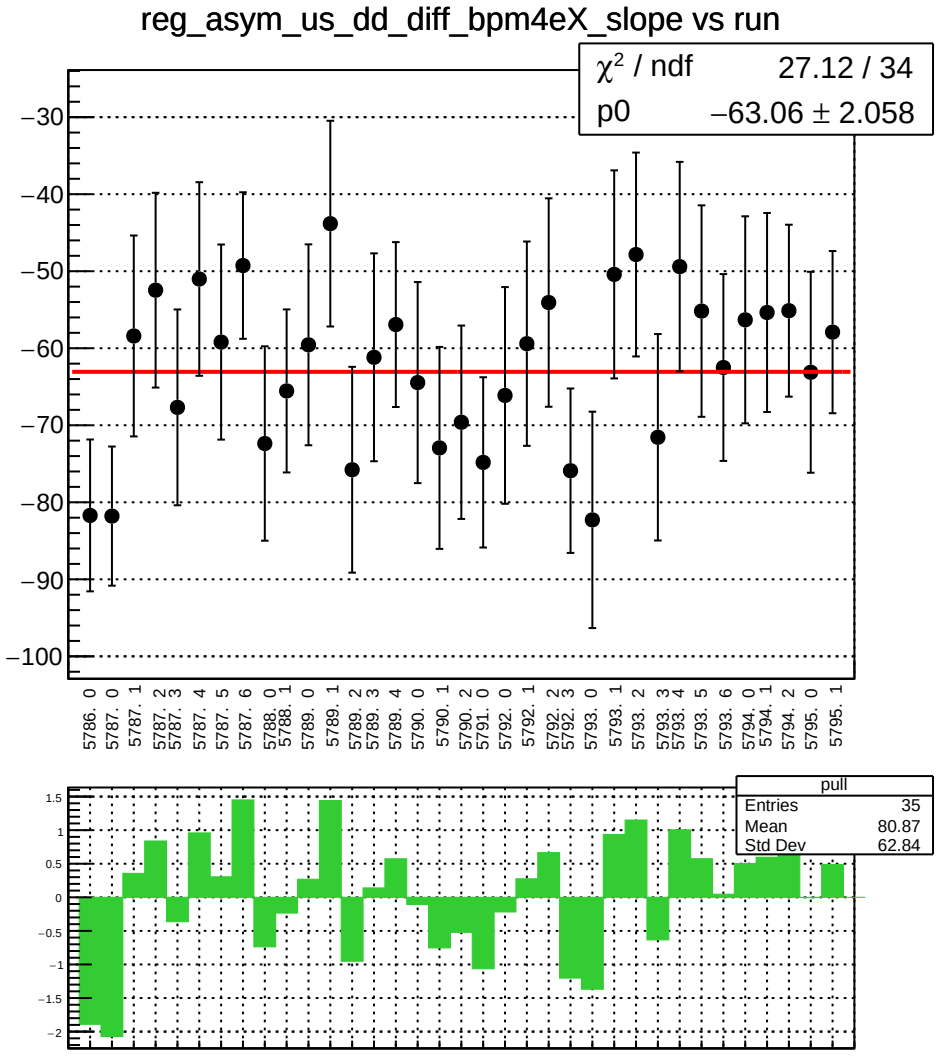

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 65.01 / 34
p0 −44.29 ± 0.194
pull
Entries 35
Mean 57.97
Std Dev 27.8

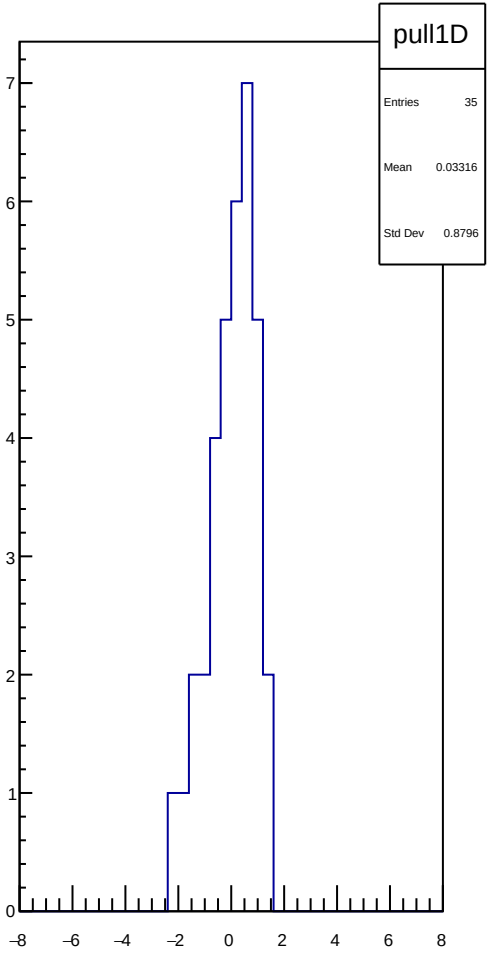

pull1D
Entries 35
Mean −0.03341
Std Dev 1.362

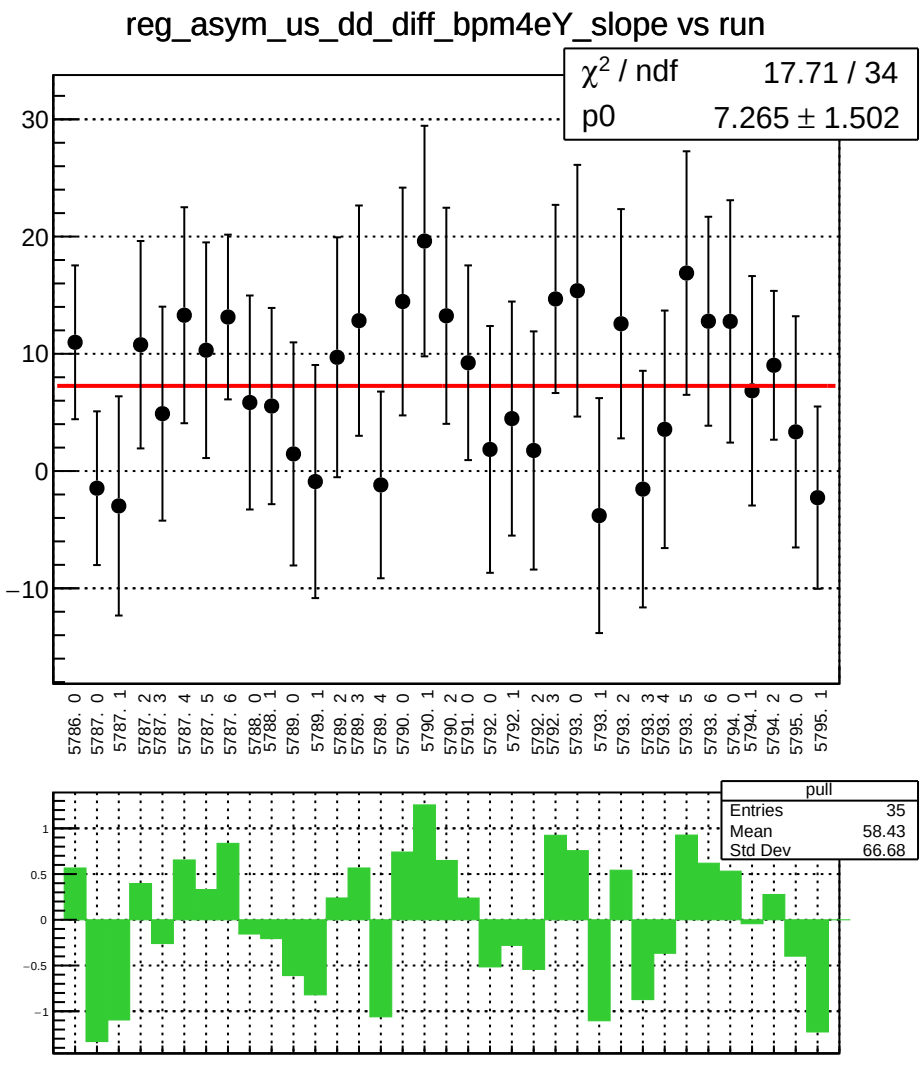

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.29 / 34
p0 9.371 ± 1.646
40
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 84.66
Std Dev 66.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.02901
Std Dev 0.8662
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

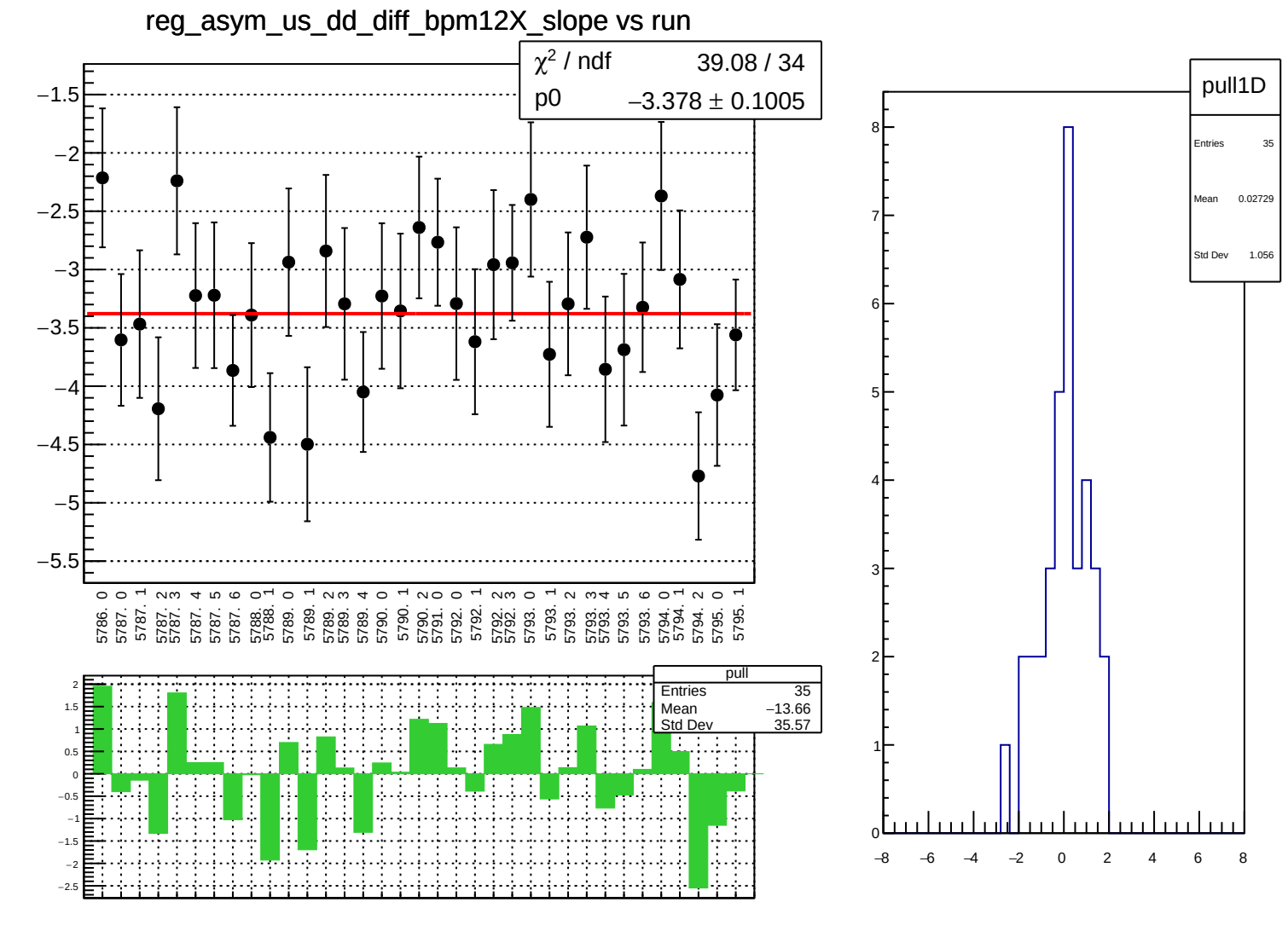

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.69 / 34
p0 −3.806 ± 1.368
15
10
5
0
−5
−10
−15
−20
−25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 61.63
Std Dev 71.38
1
0.5
0
−0.5
−1

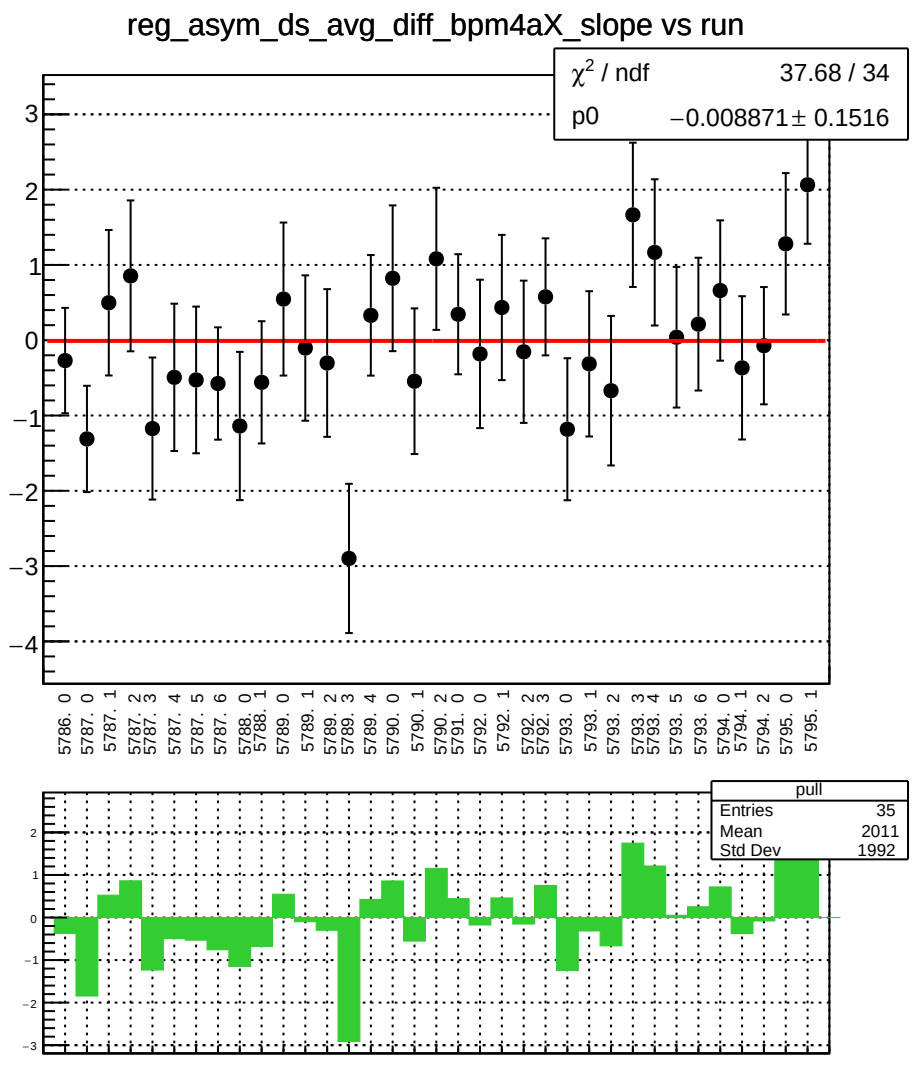

pull1D
Entries 35
Mean −0.003415
Std Dev 0.711
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

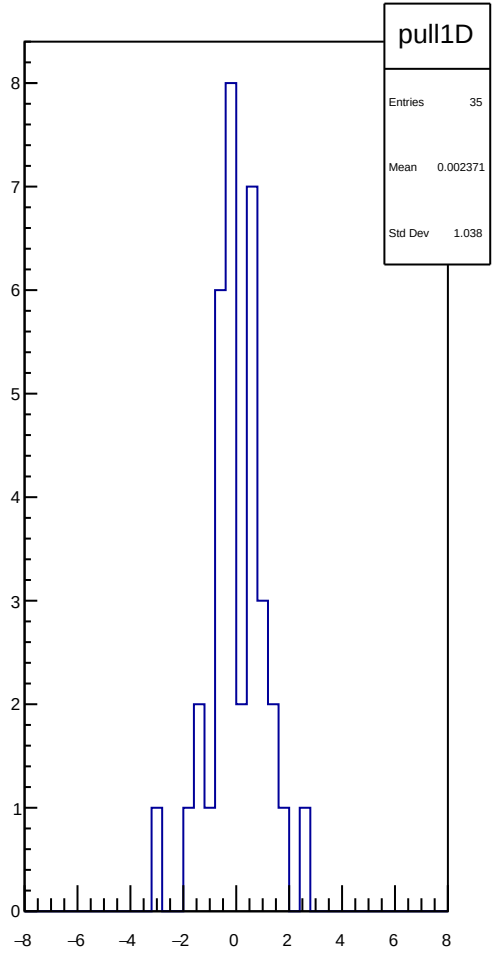

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.12 / 34
p0 −63.06 ± 2.058
−30
−40
−50
−60
−70
−80
−90
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 80.87
Std Dev 62.84
1.5
1
0.5
0
−0.5
−1
−1.5
−2

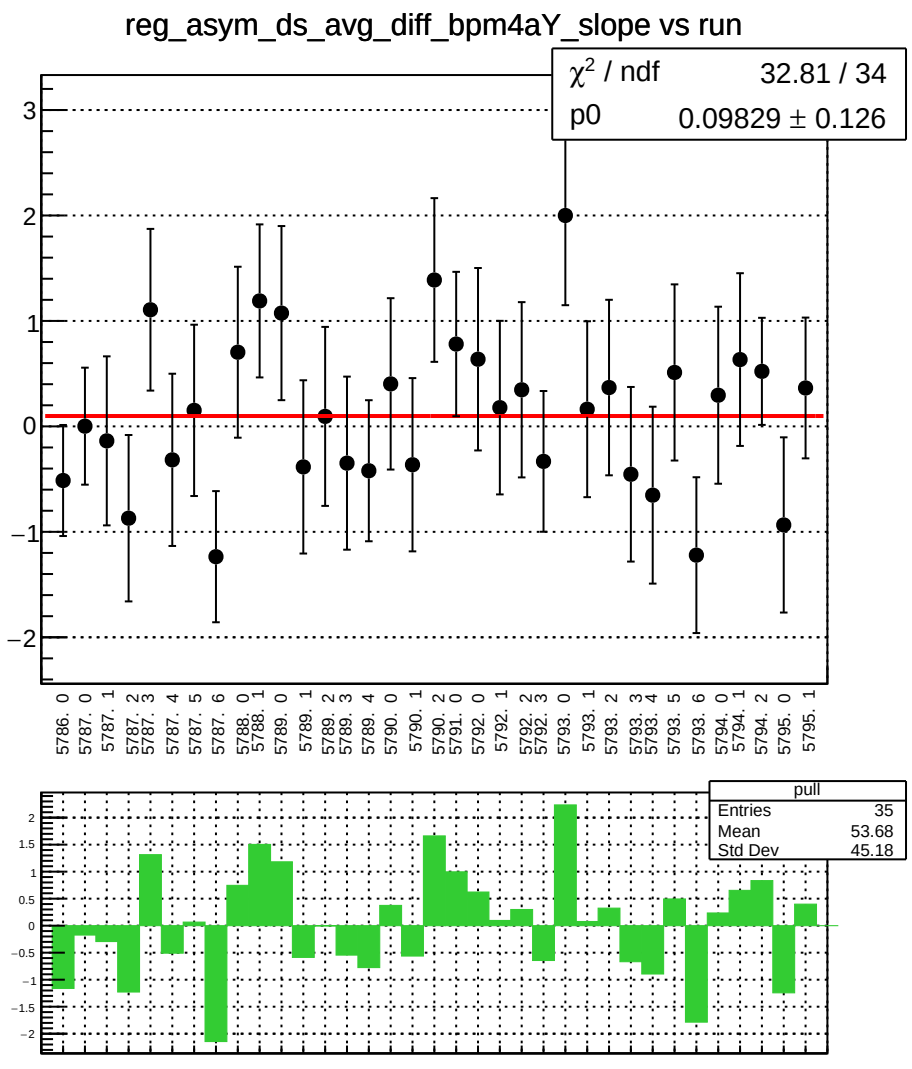

pull1D
Entries 35
Mean 0.03316
Std Dev 0.8796
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

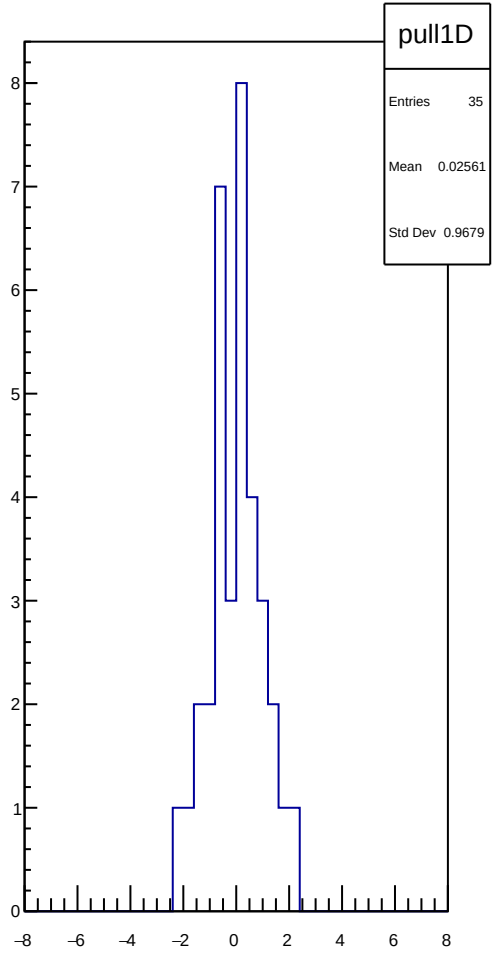

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.71 / 34
p0 7.265 ± 1.502
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 58.43
Std Dev 66.68
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.004622
Std Dev 0.7113
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

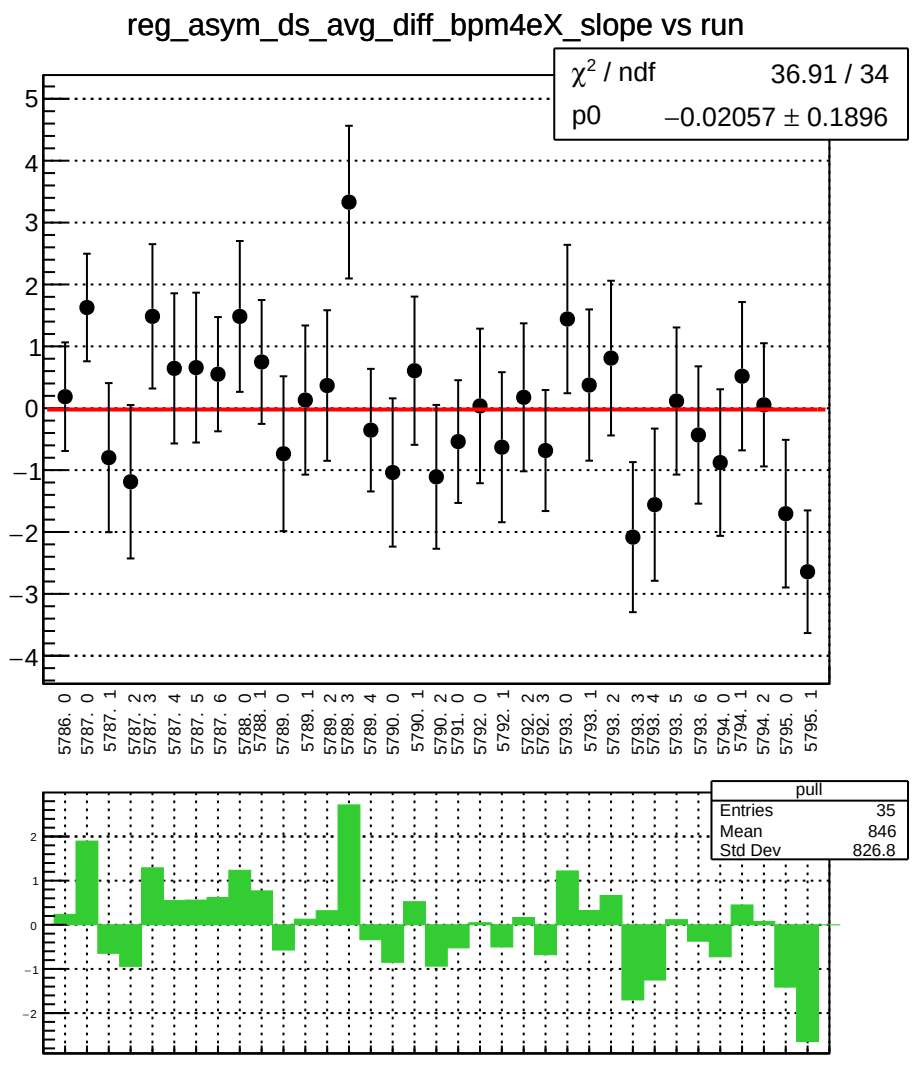

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 39.08 / 34
p0 −3.378 ± 0.1005
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −13.66
Std Dev 35.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.02729
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

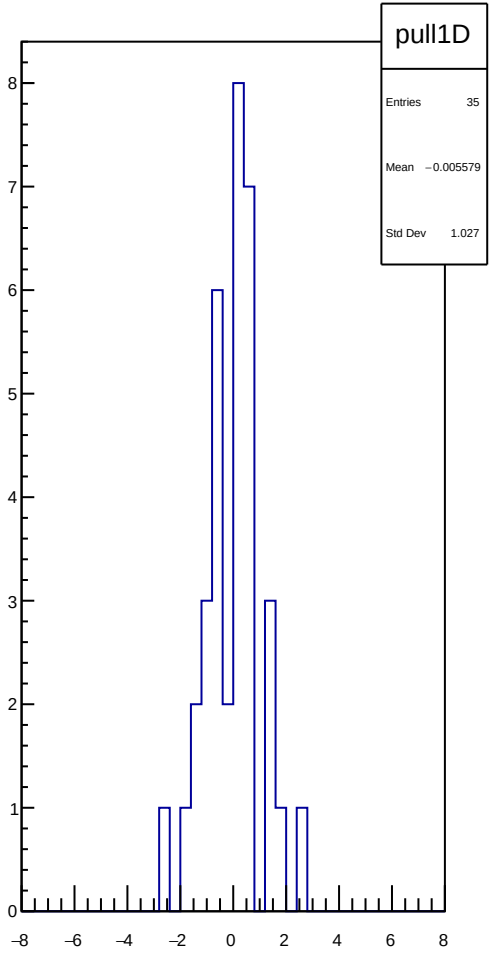

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.68 / 34
p0 −0.008871 ± 0.1516
pull
Entries 35
Mean 2011
Std Dev 1992

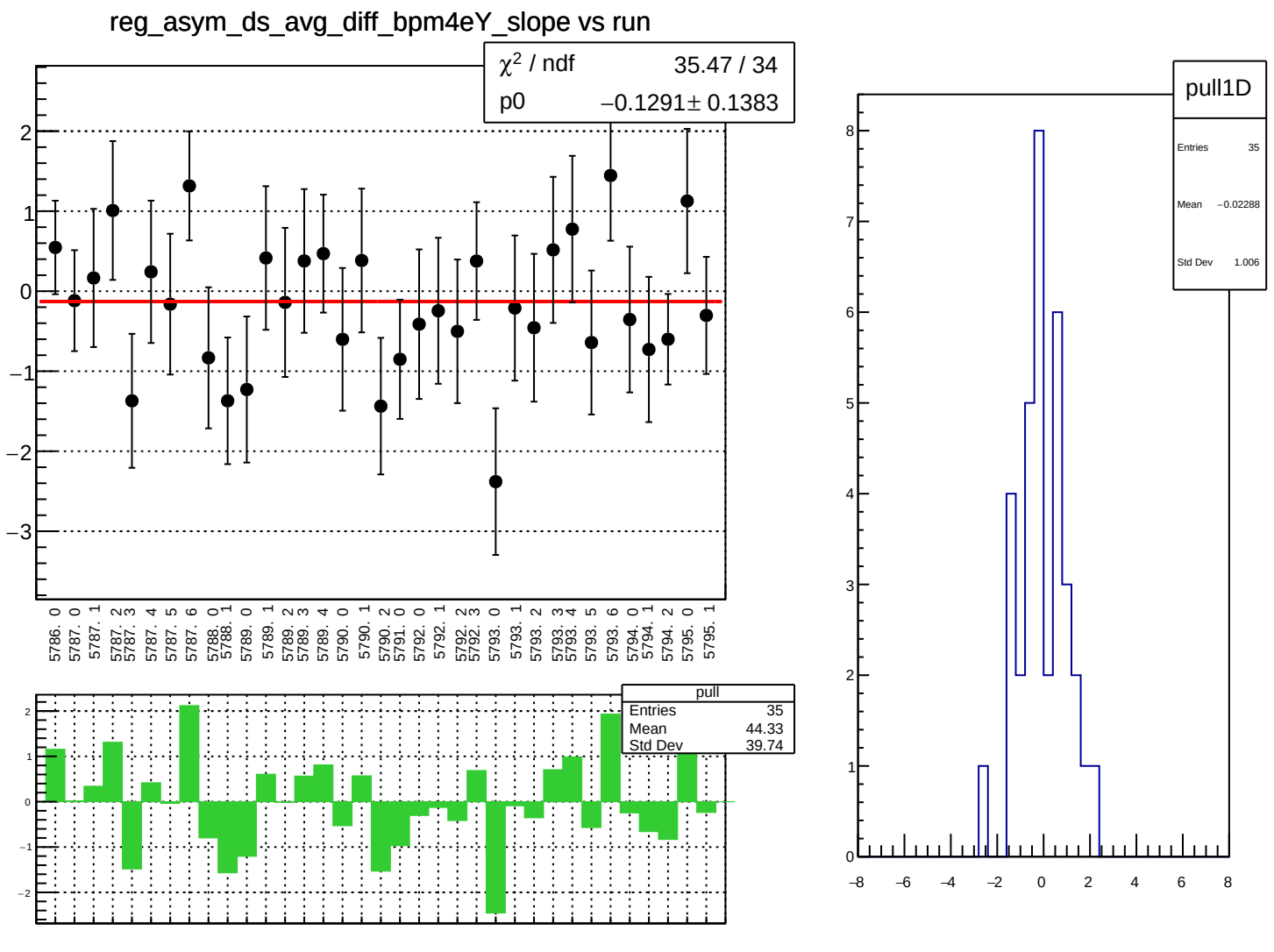

pull1D
Entries 35
Mean 0.002371
Std Dev 1.038

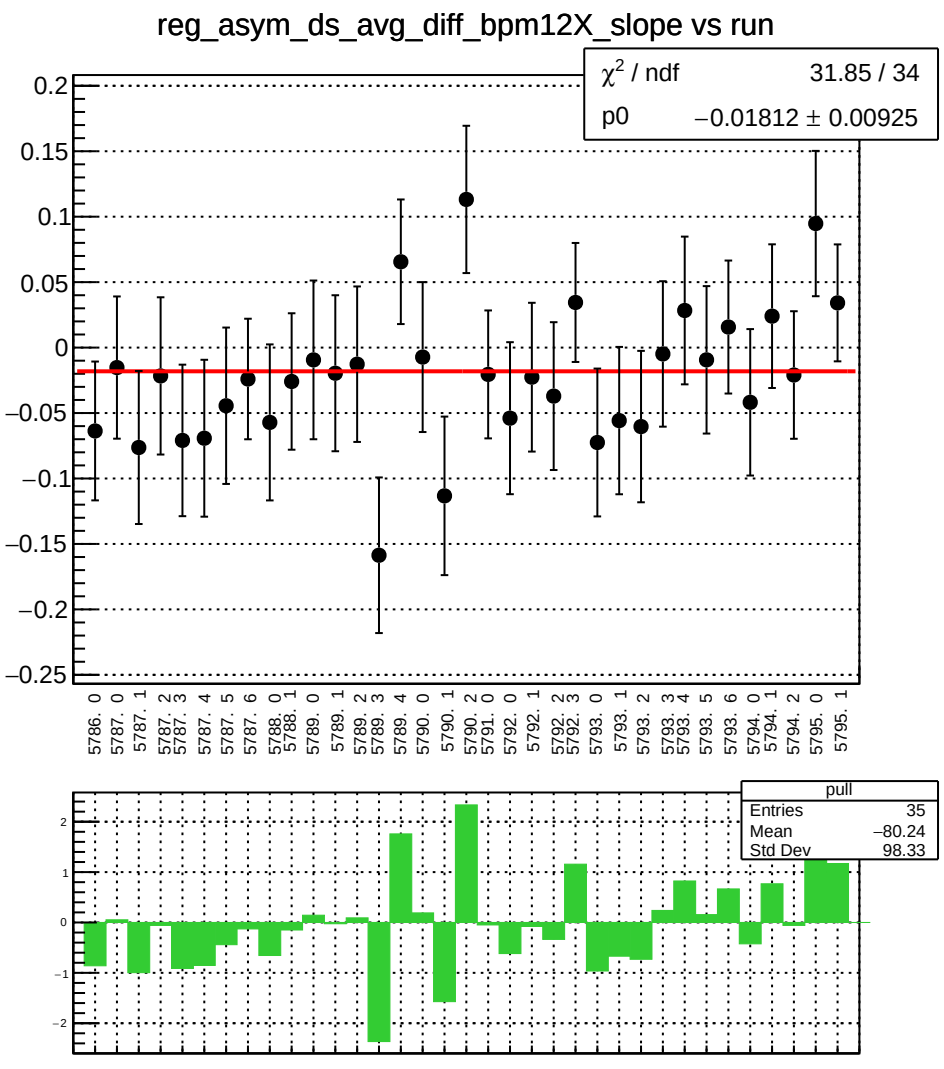

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.81 / 34
p0 0.09829 ± 0.126
pull
Entries 35
Mean 53.68
Std Dev 45.18

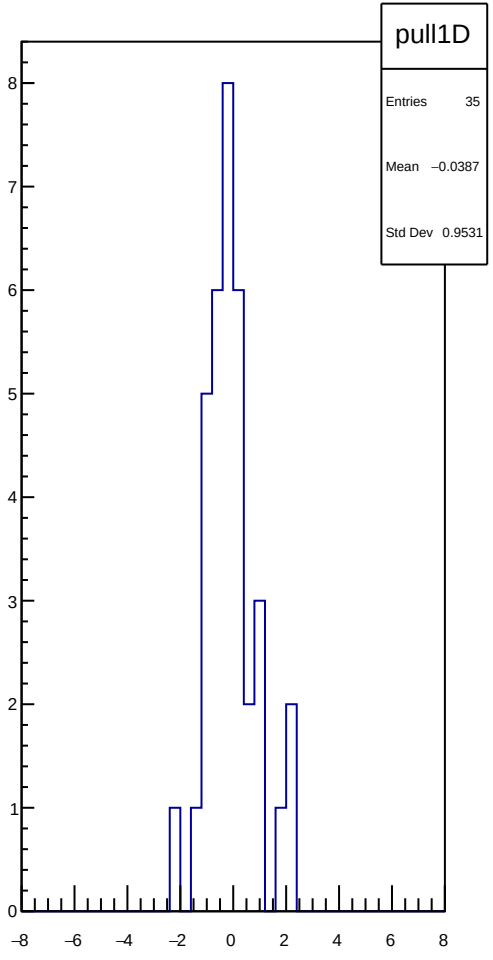

pull1D
Entries 35
Mean 0.02561
Std Dev 0.9679

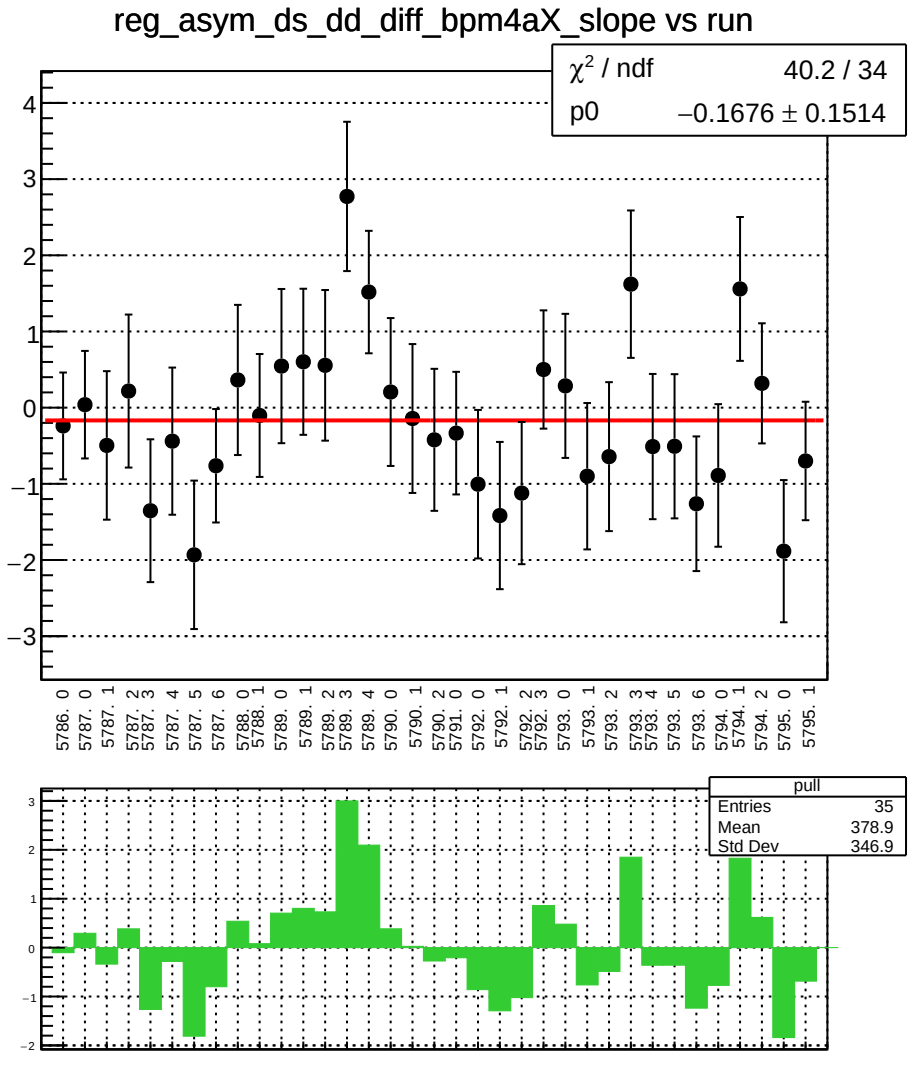

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.91 / 34
p0 −0.02057 ± 0.1896
pull
Entries 35
Mean 846
Std Dev 826.8

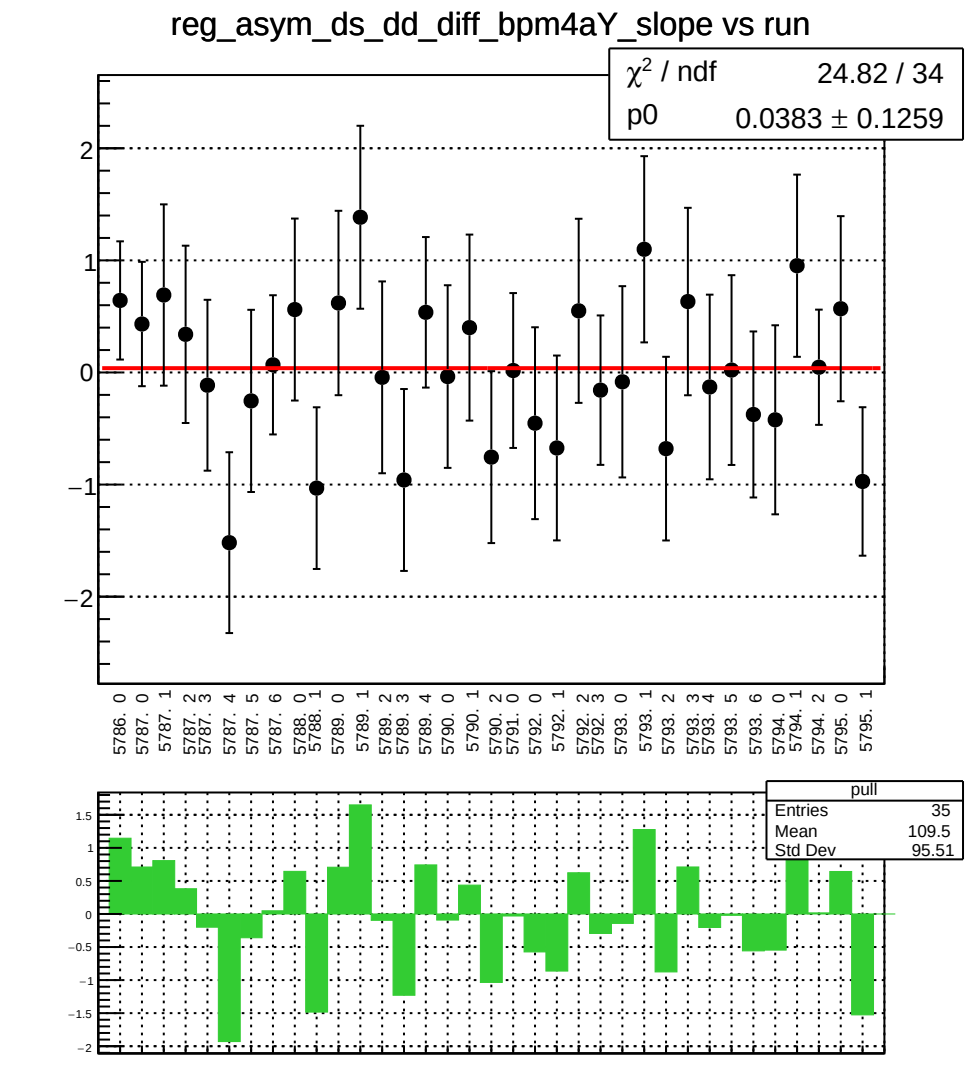

pull1D
Entries 35
Mean −0.005579
Std Dev 1.027

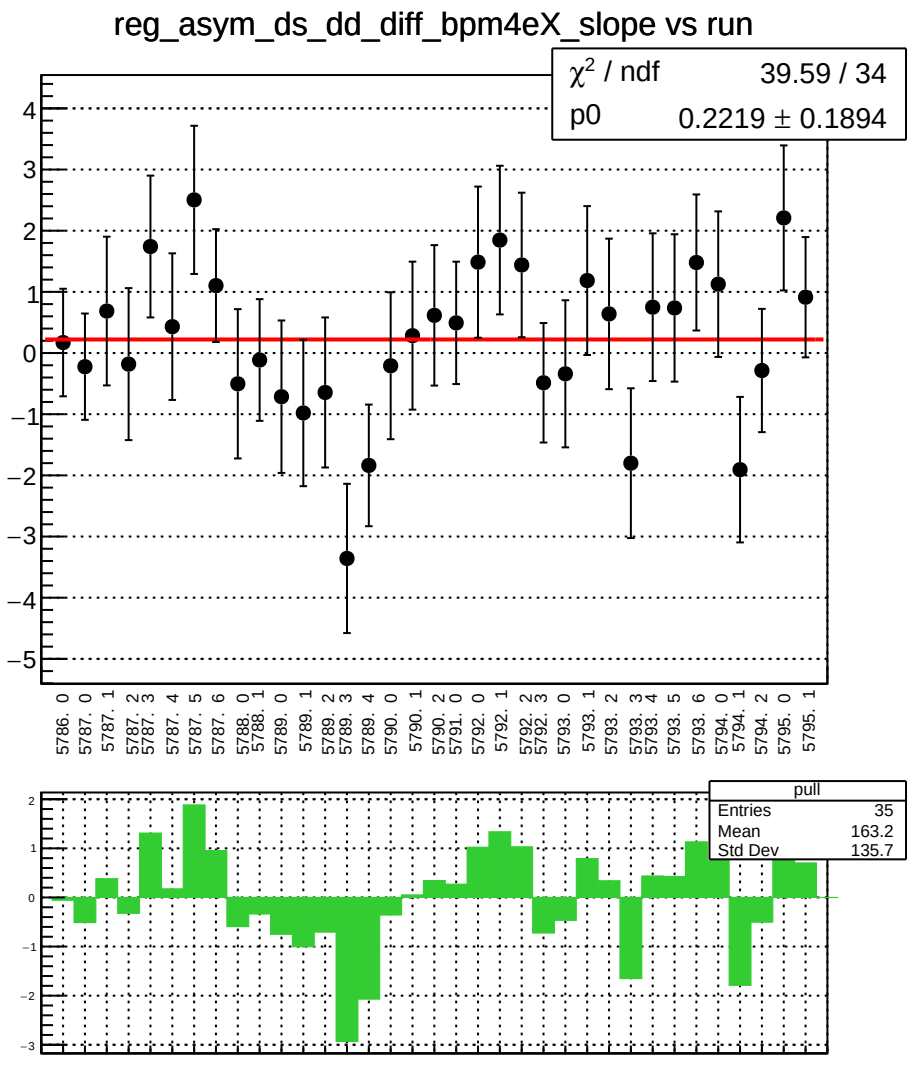

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.47 / 34
p0 −0.1291± 0.1383
pull
Entries 35
Mean 44.33
Std Dev 39.74
pull1D
Entries 35
Mean −0.02288
Std Dev 1.006

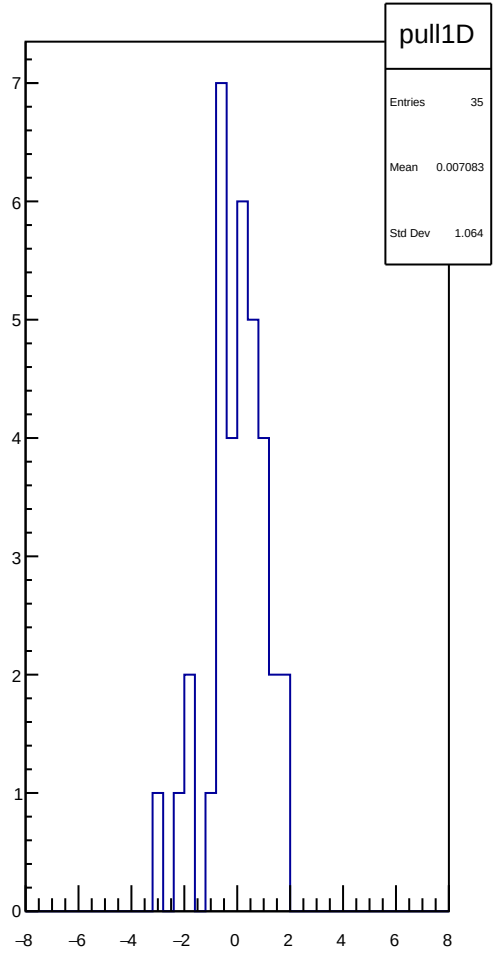

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 31.85 / 34
p0 −0.01812 ± 0.00925
pull
Entries 35
Mean −80.24
Std Dev 98.33

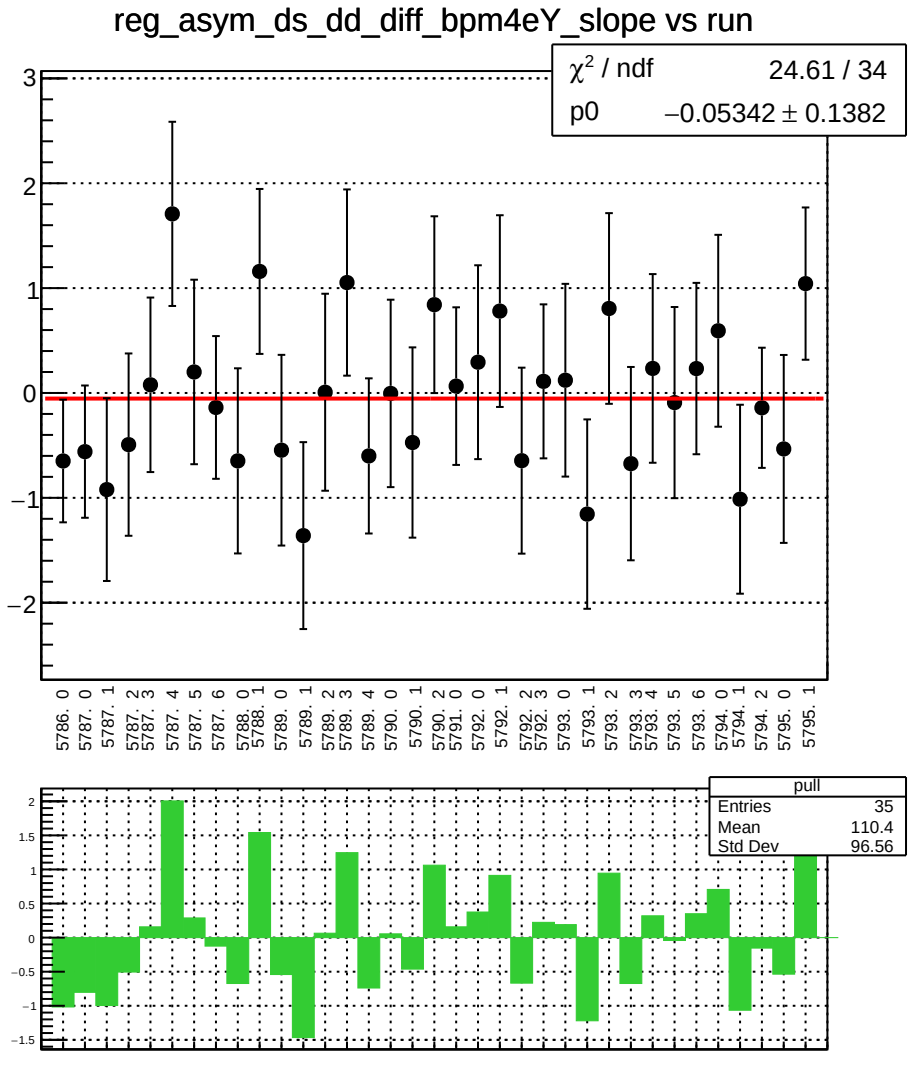

pull1D
Entries 35
Mean −0.0387
Std Dev 0.9531

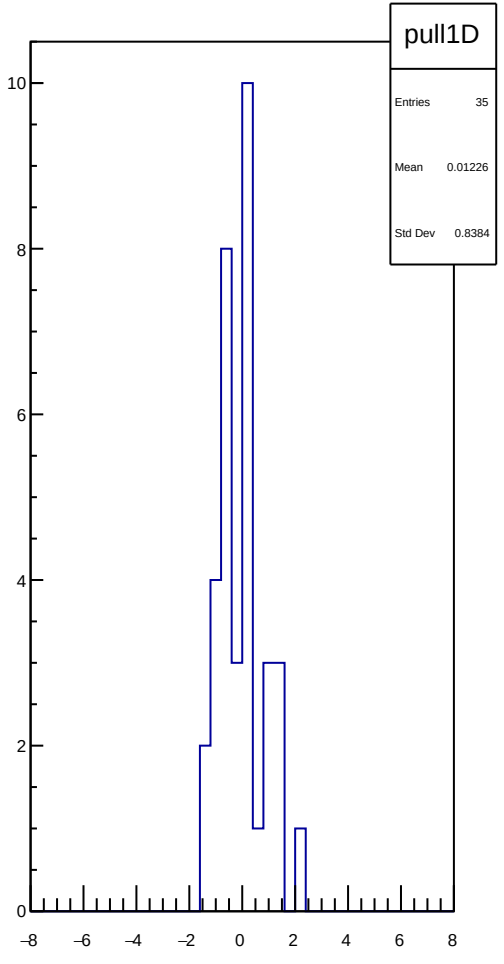

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.2 / 34
p0 −0.1676 ± 0.1514
pull
Entries 35
Mean 378.9
Std Dev 346.9
pull1D
Entries 35
Mean −0.00217
Std Dev 1.072

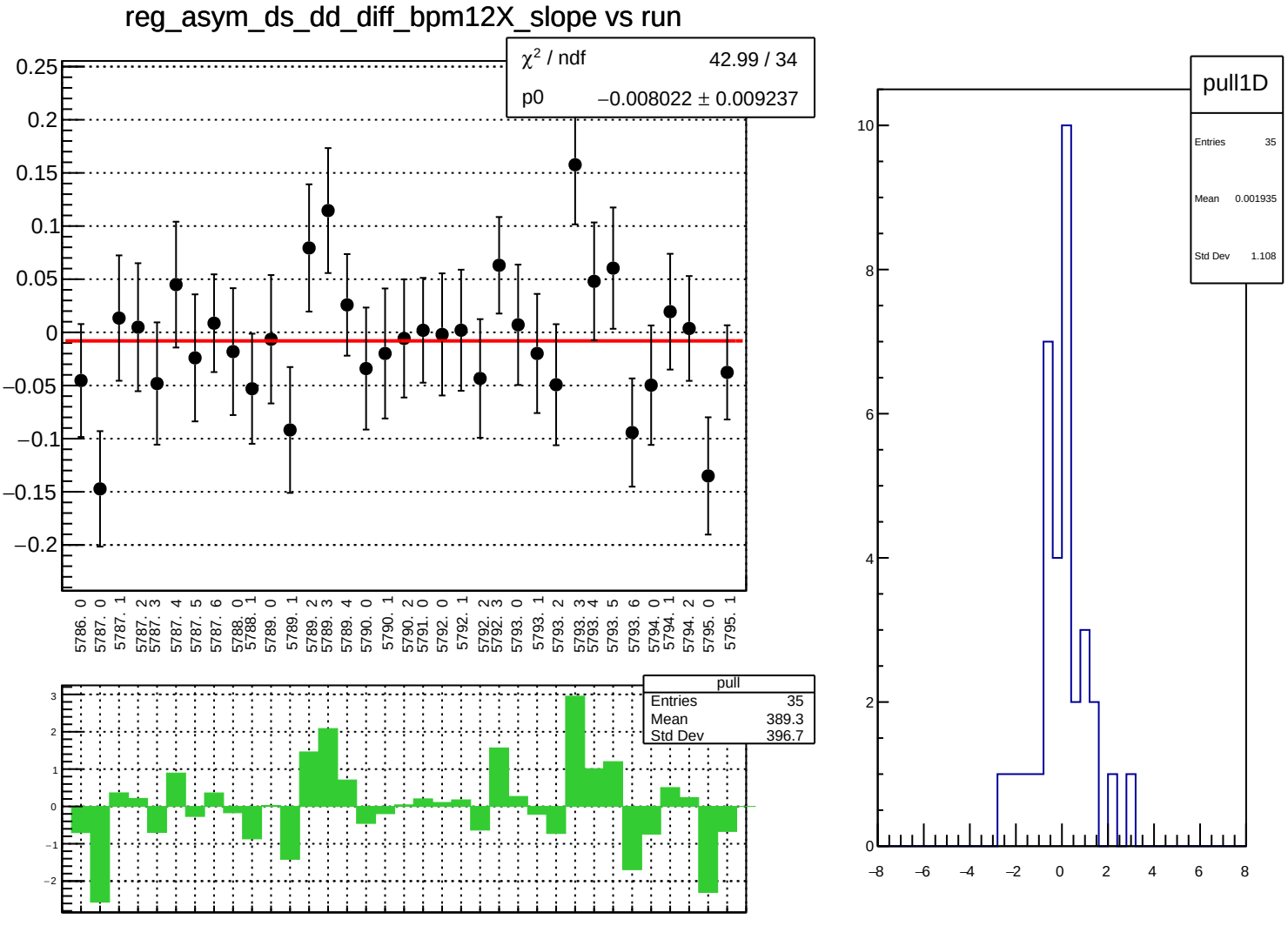

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.82 / 34
p0 0.0383 ± 0.1259
2
1
0
−1
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 109.5
Std Dev 95.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.01116
Std Dev 0.842
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

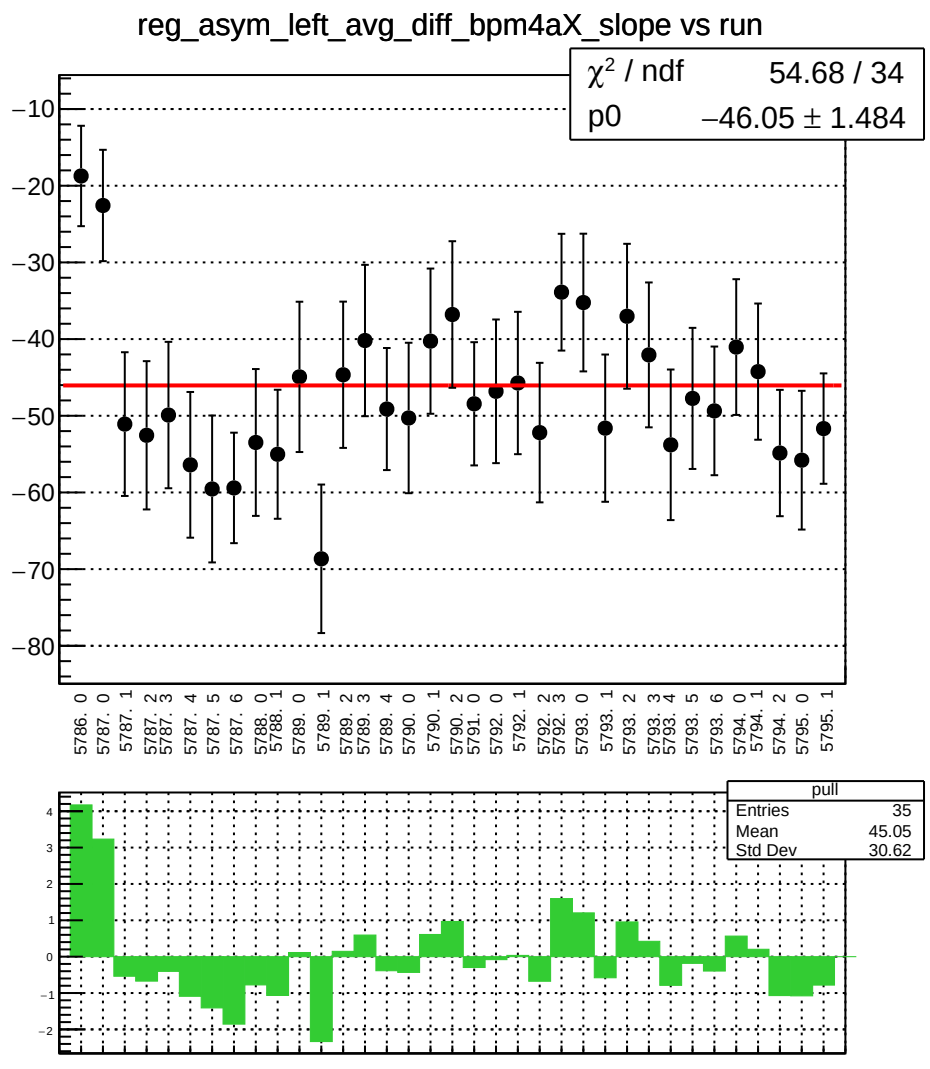

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.59 / 34
p0 0.2219 ± 0.1894
pull
Entries 35
Mean 163.2
Std Dev 135.7

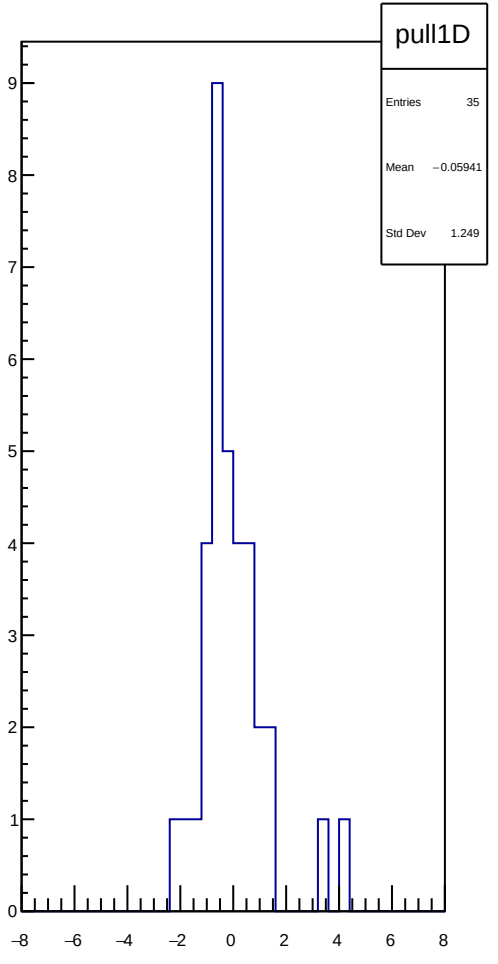

pull1D
Entries 35
Mean 0.007083
Std Dev 1.064

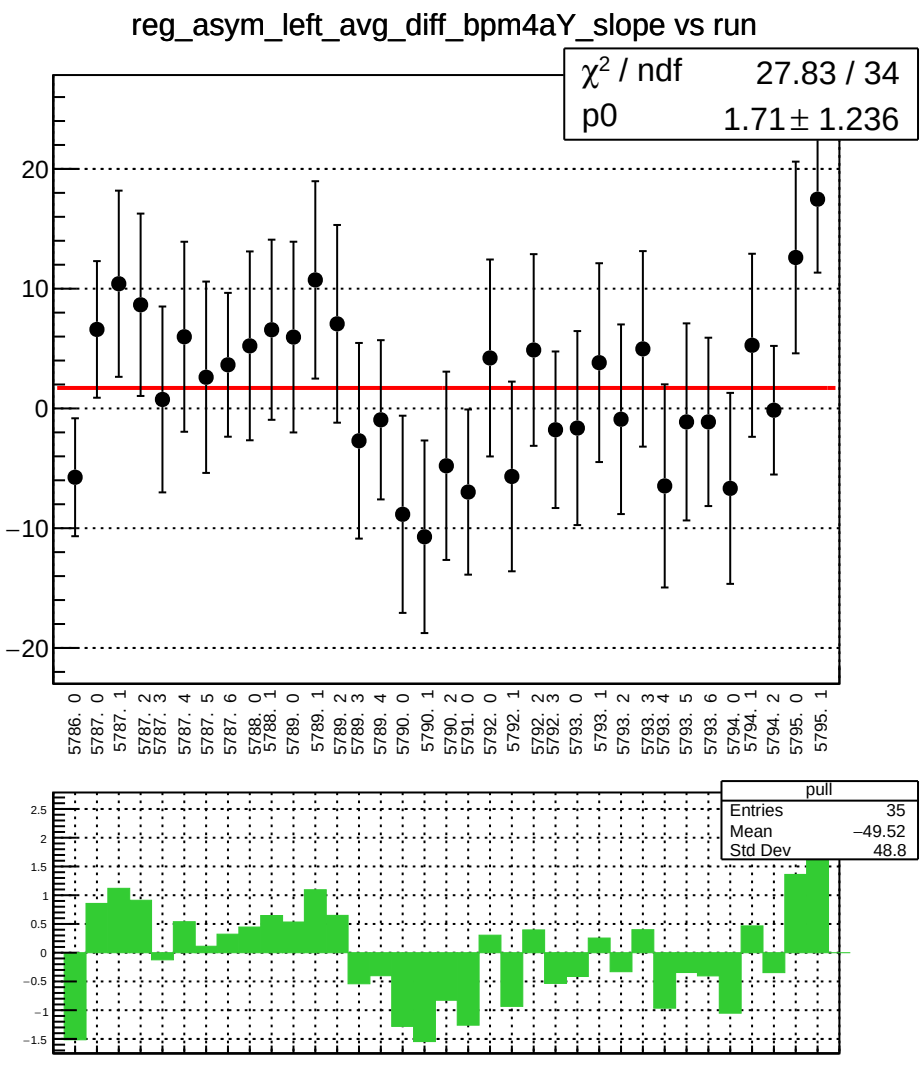

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.61 / 34
p0 −0.05342 ± 0.1382
pull
Entries 35
Mean 110.4
Std Dev 96.56

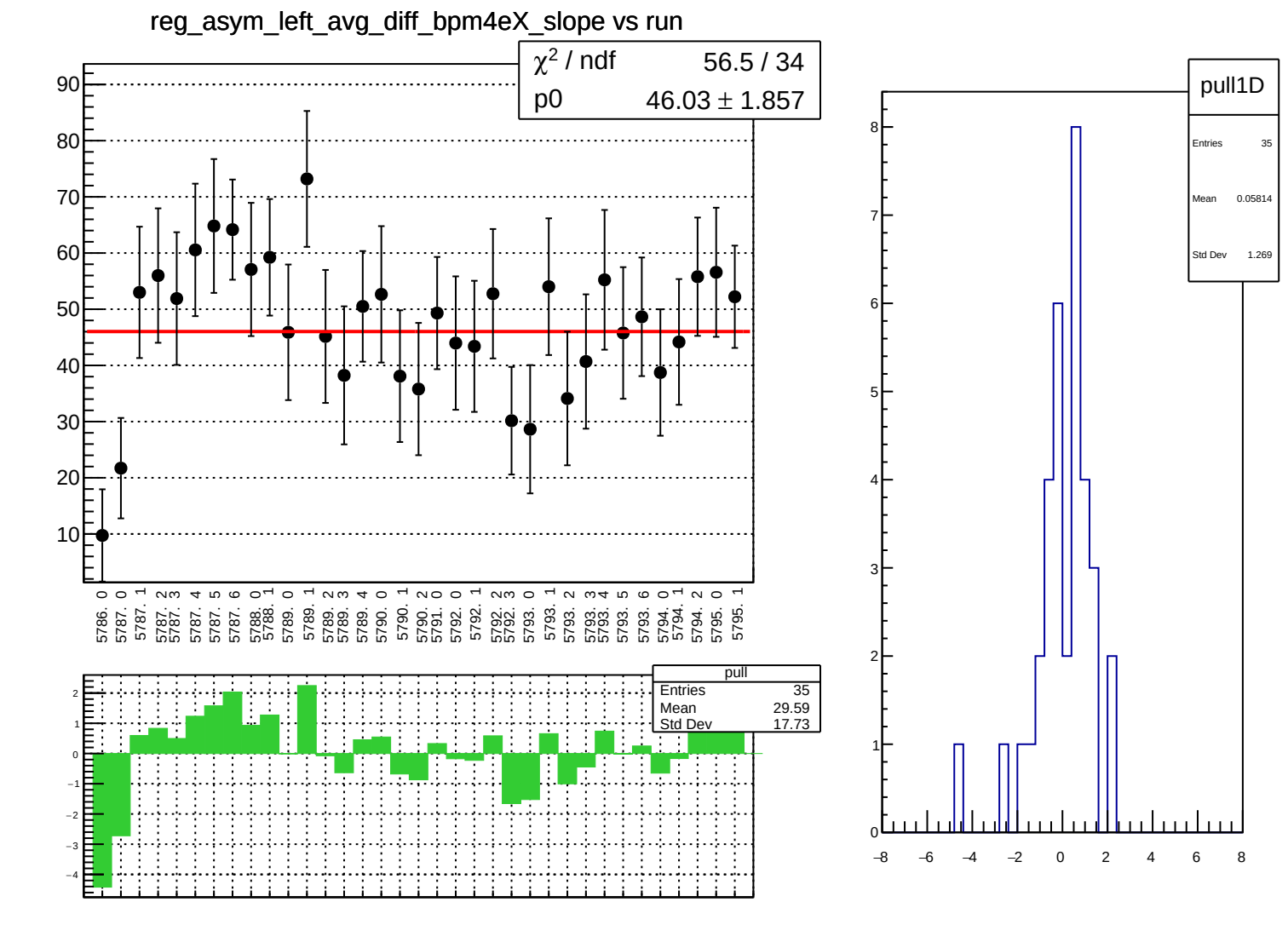

pull1D
Entries 35
Mean 0.01226
Std Dev 0.8384

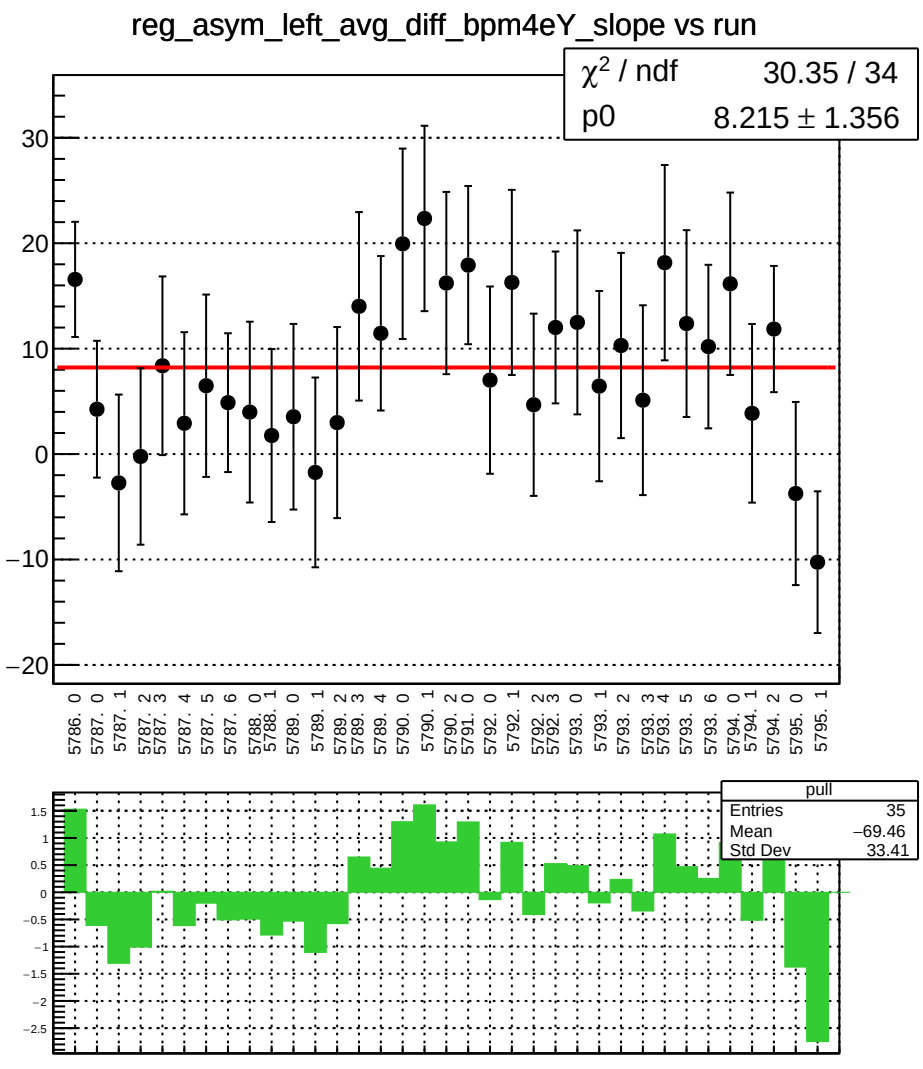

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 42.99 / 34
p0 −0.008022 ± 0.009237
pull
Entries 35
Mean 389.3
Std Dev 396.7
pull1D
Entries 35
Mean 0.001935
Std Dev 1.108

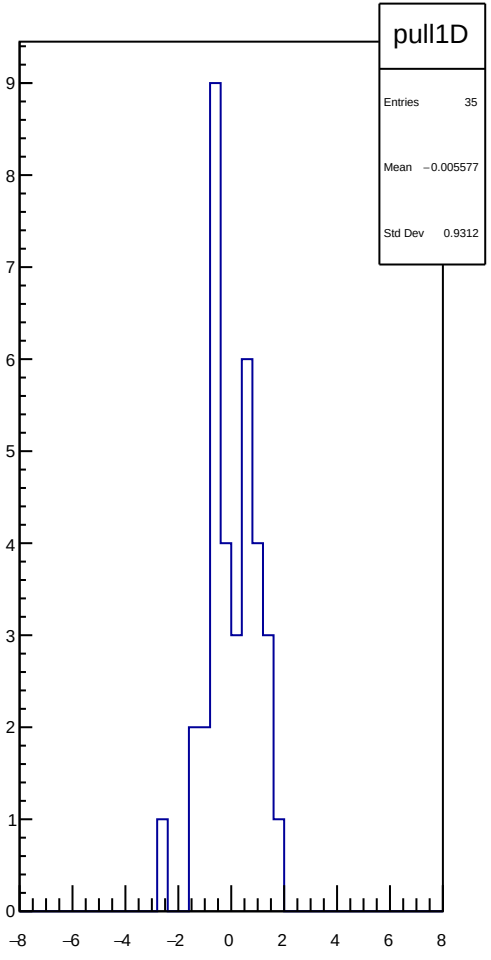

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.68 / 34
p0 −46.05 ± 1.484
−10
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 45.05
Std Dev 30.62
4
3
2
1
0
−1
−2

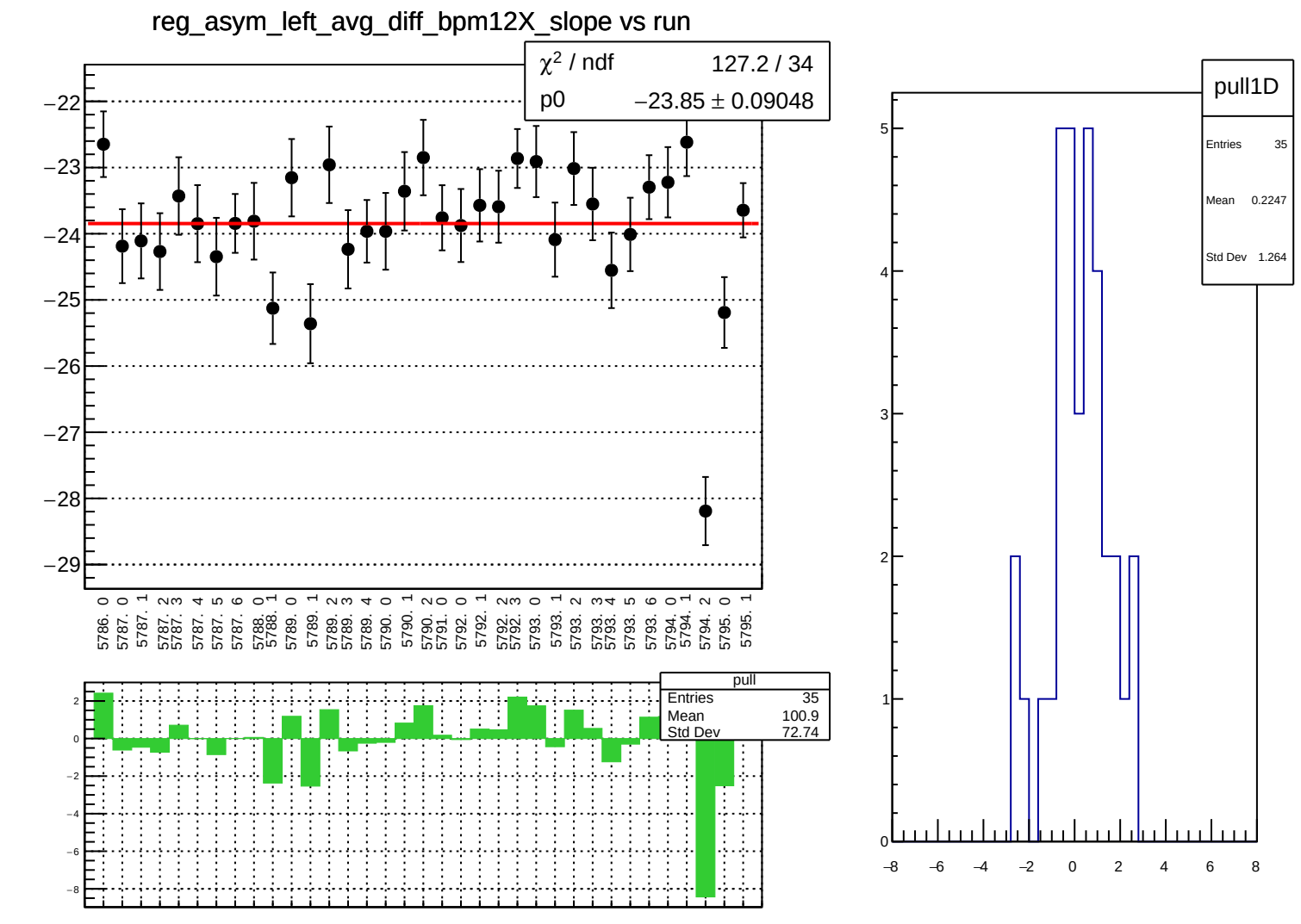

pull1D
Entries 35
Mean −0.05941
Std Dev 1.249
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

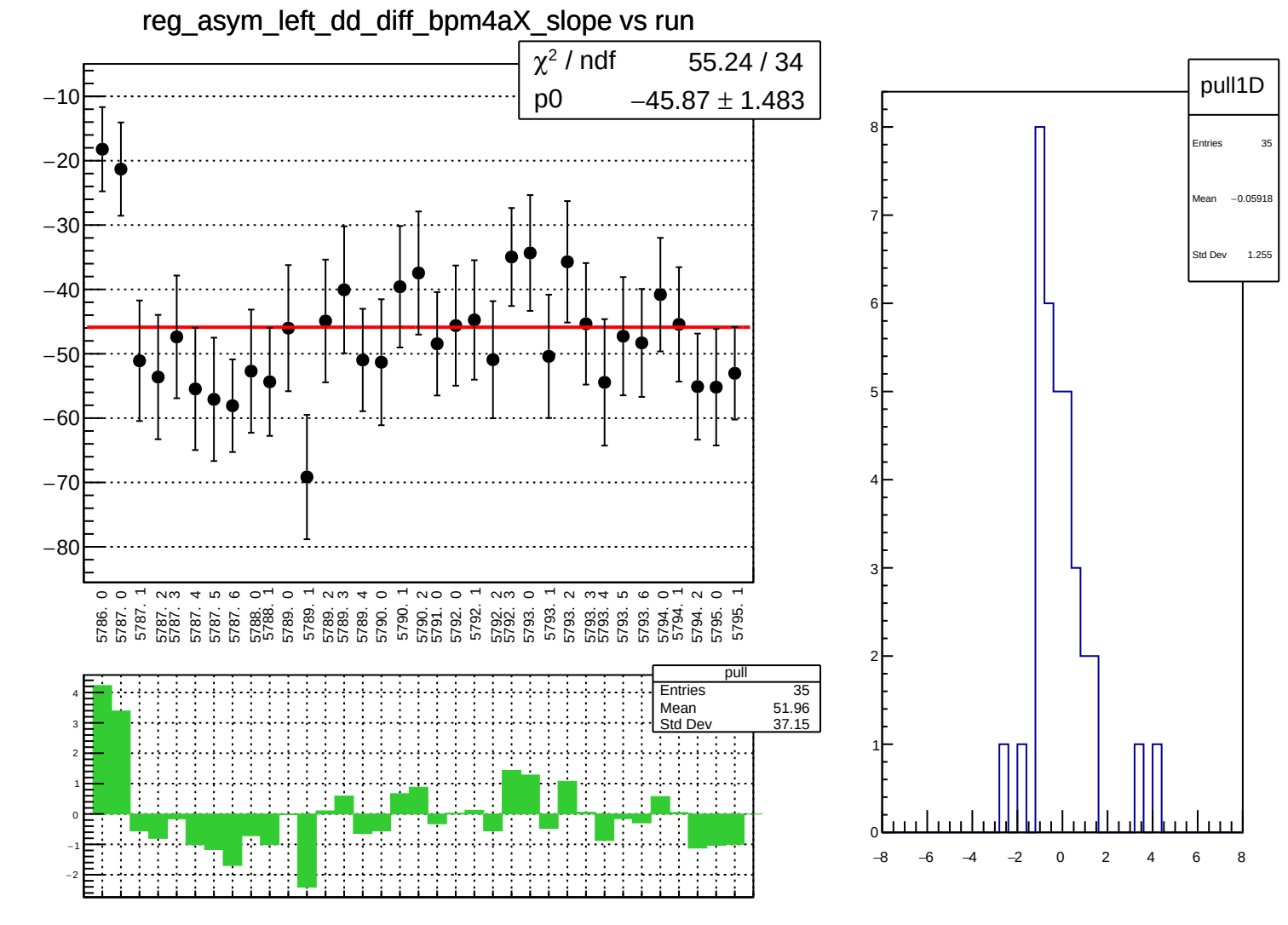

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.83 / 34
p0 1.71 ± 1.236
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −49.52
Std Dev 48.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.004904
Std Dev 0.8918
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

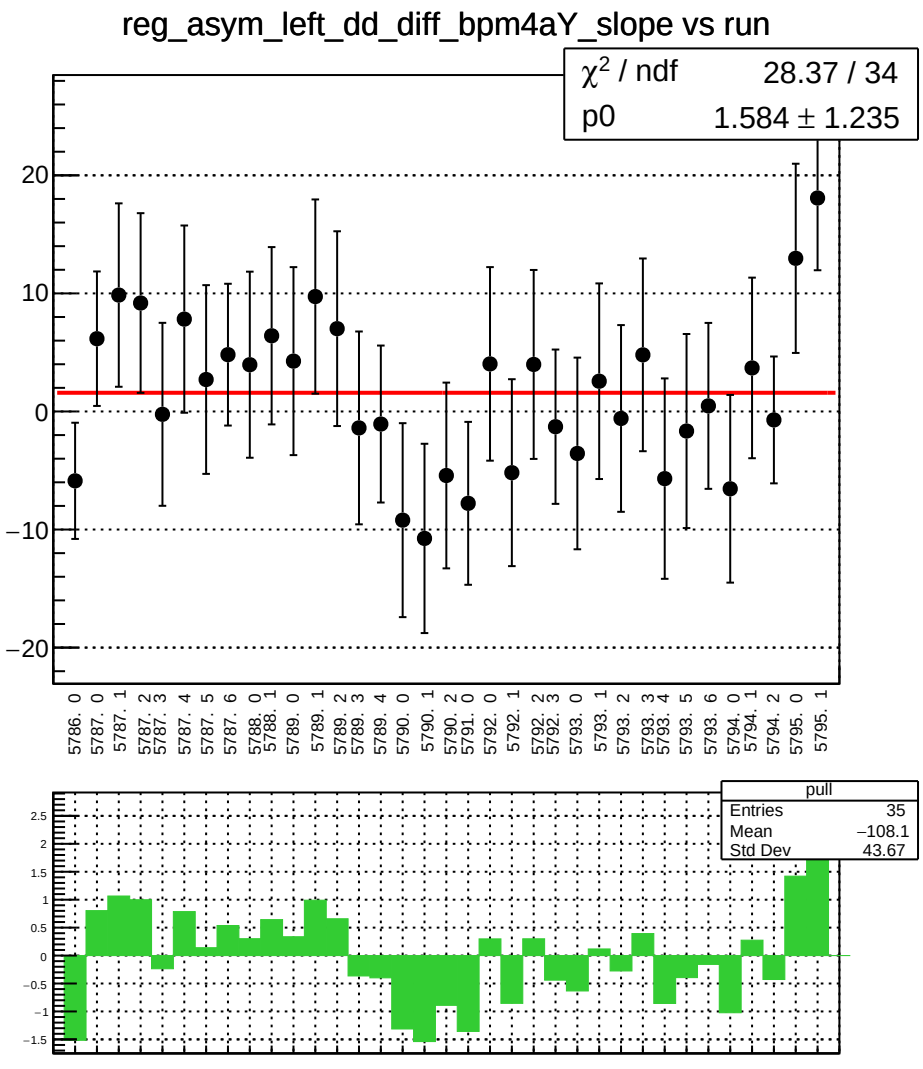

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.5 / 34
p0 46.03 ± 1.857
pull
Entries 35
Mean 29.59
Std Dev 17.73
pull1D
Entries 35
Mean 0.05814
Std Dev 1.269

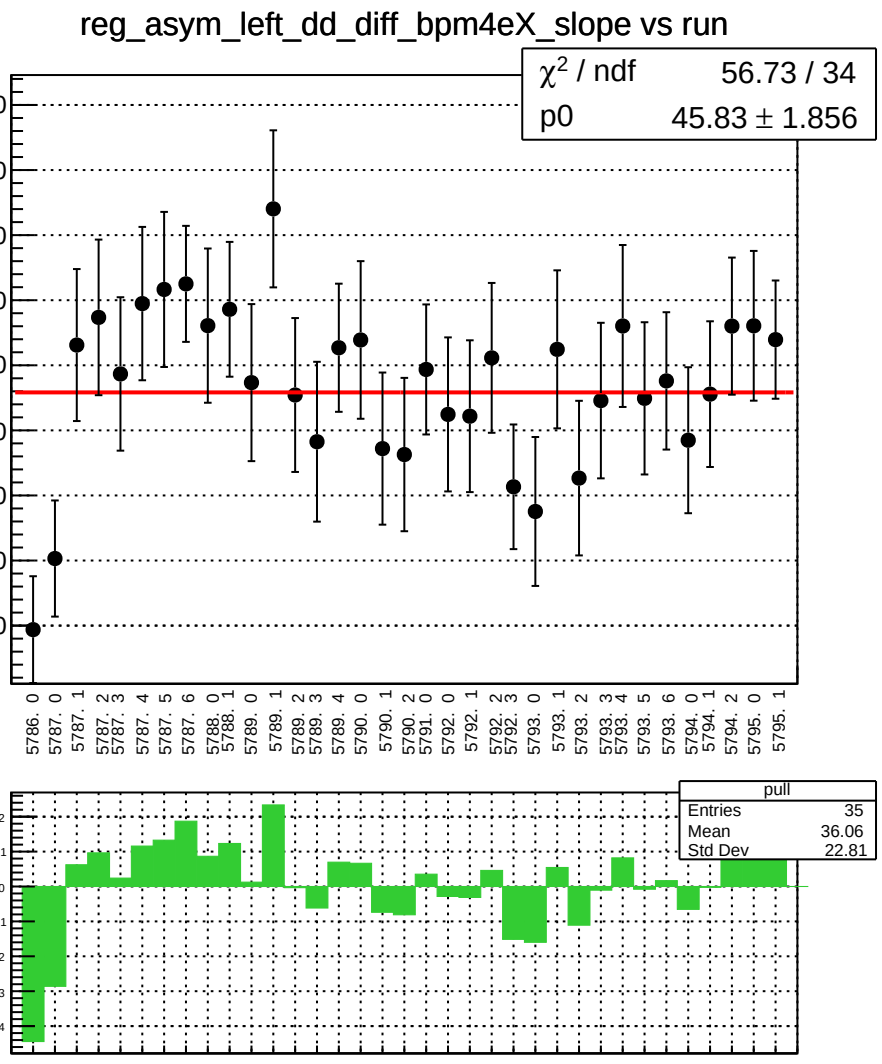

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.35 / 34
p0 8.215 ± 1.356
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −69.46
Std Dev 33.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

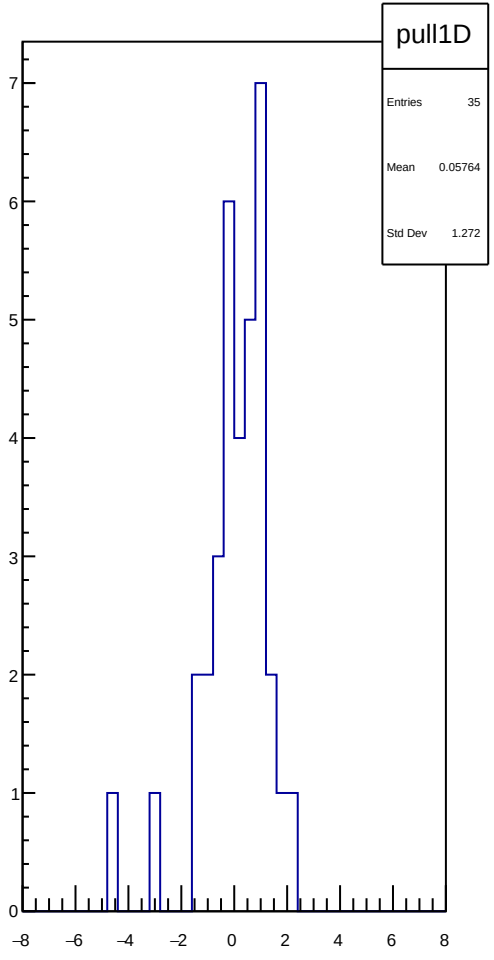

pull1D
Entries 35
Mean −0.005577
Std Dev 0.9312
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

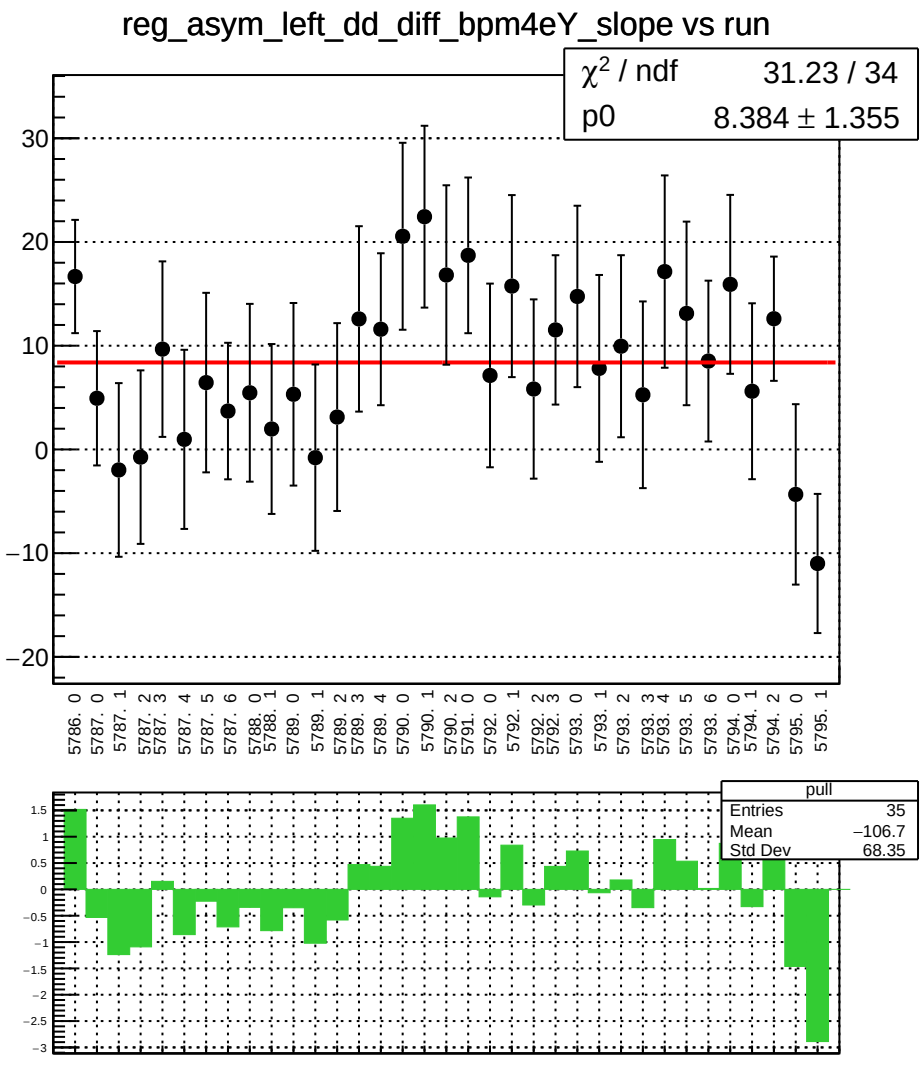

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 127.2 / 34
p0 −23.85 ± 0.09048
−22
−23
−24
−25
−26
−27
−28
−29
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 100.9
Std Dev 72.74
2
0
−2
−4
−6
−8
pull1D
Entries 35
Mean 0.2247
Std Dev 1.264
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

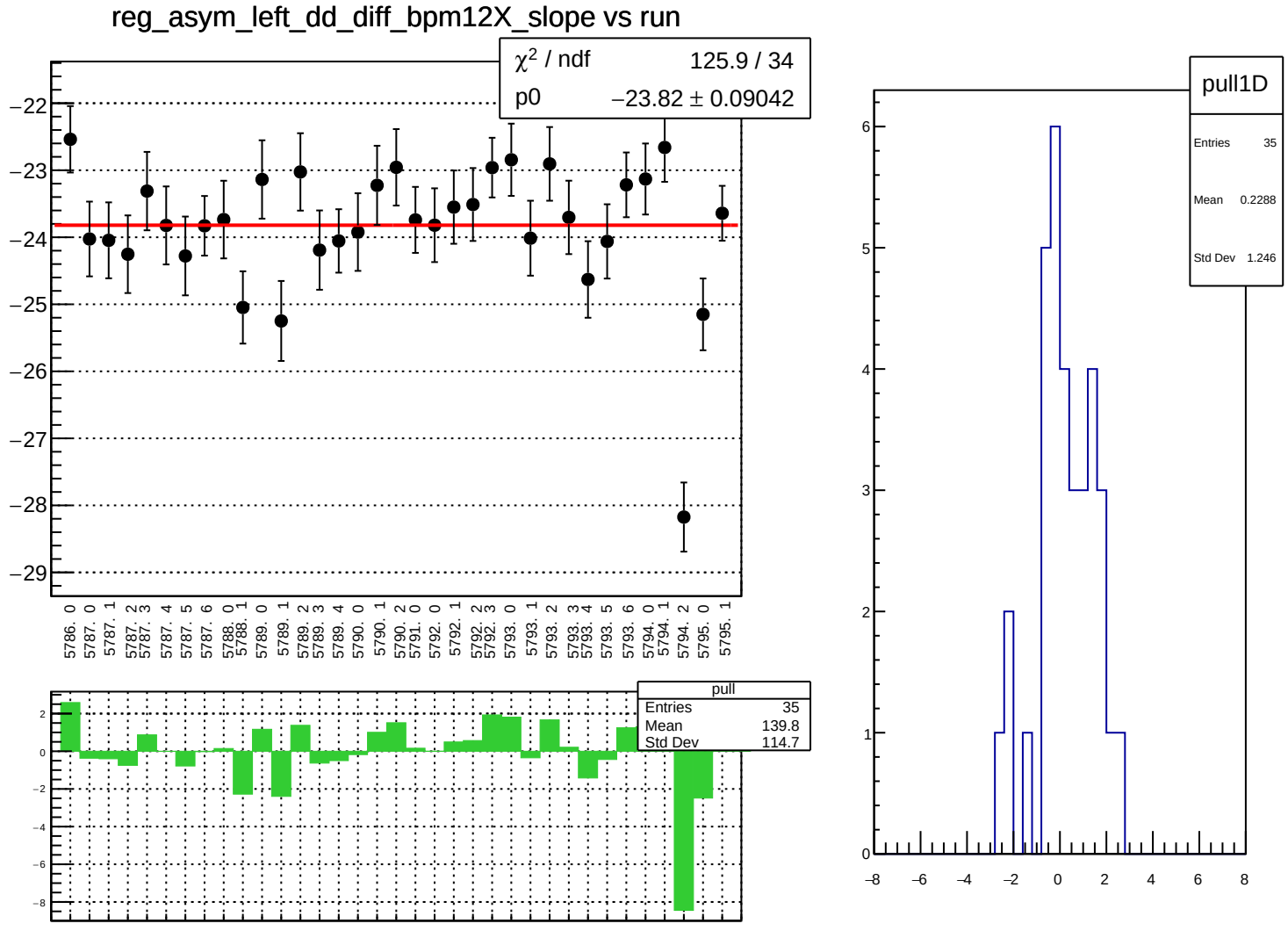

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 55.24 / 34
p0 −45.87 ± 1.483
pull
Entries 35
Mean 51.96
Std Dev 37.15
pull1D
Entries 35
Mean −0.05918
Std Dev 1.255

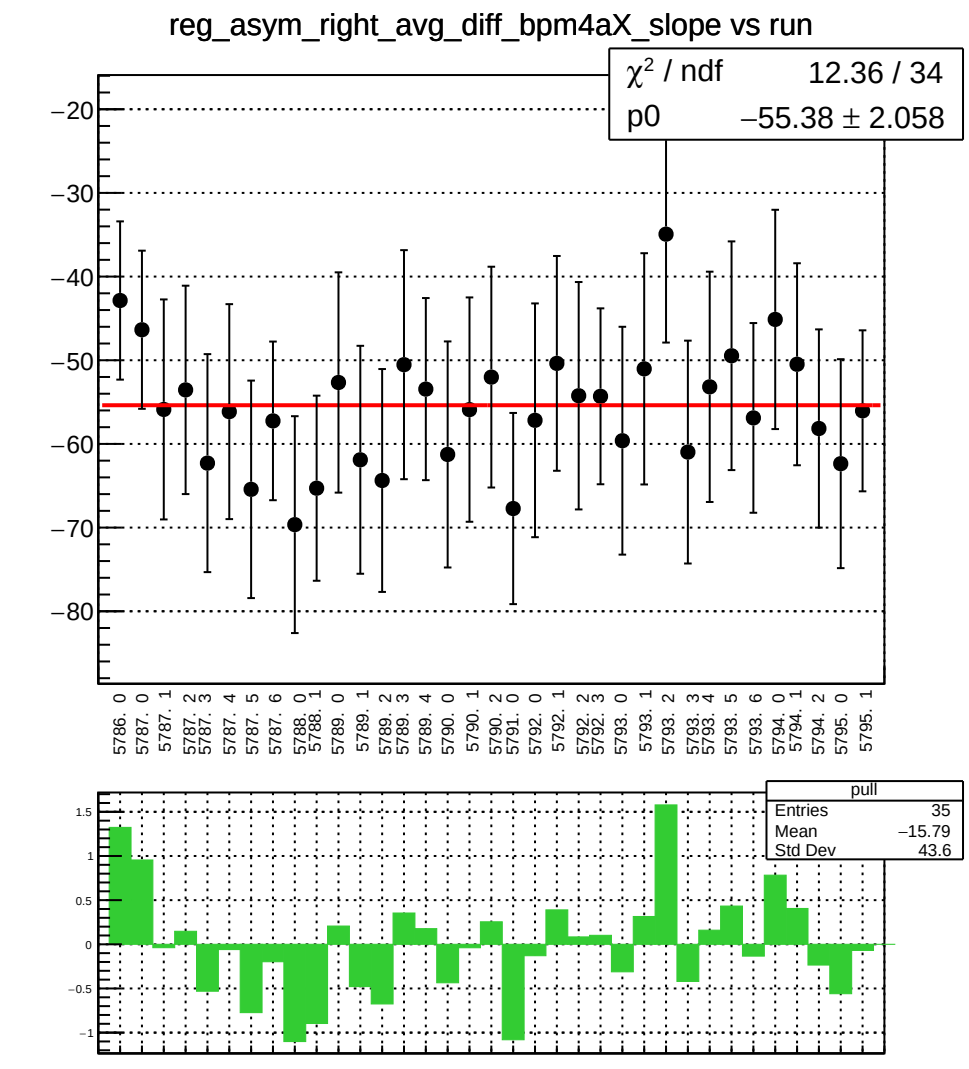

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.37 / 34
p0 1.584 ± 1.235
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −108.1
Std Dev 43.67
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.002516
Std Dev 0.9003
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

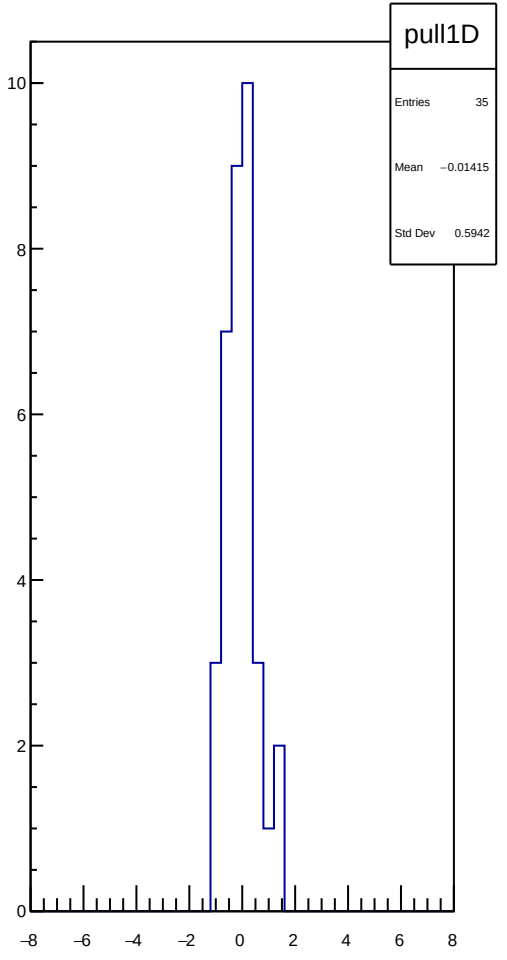

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.73 / 34
p0 45.83 ± 1.856
pull
Entries 35
Mean 36.06
Std Dev 22.81

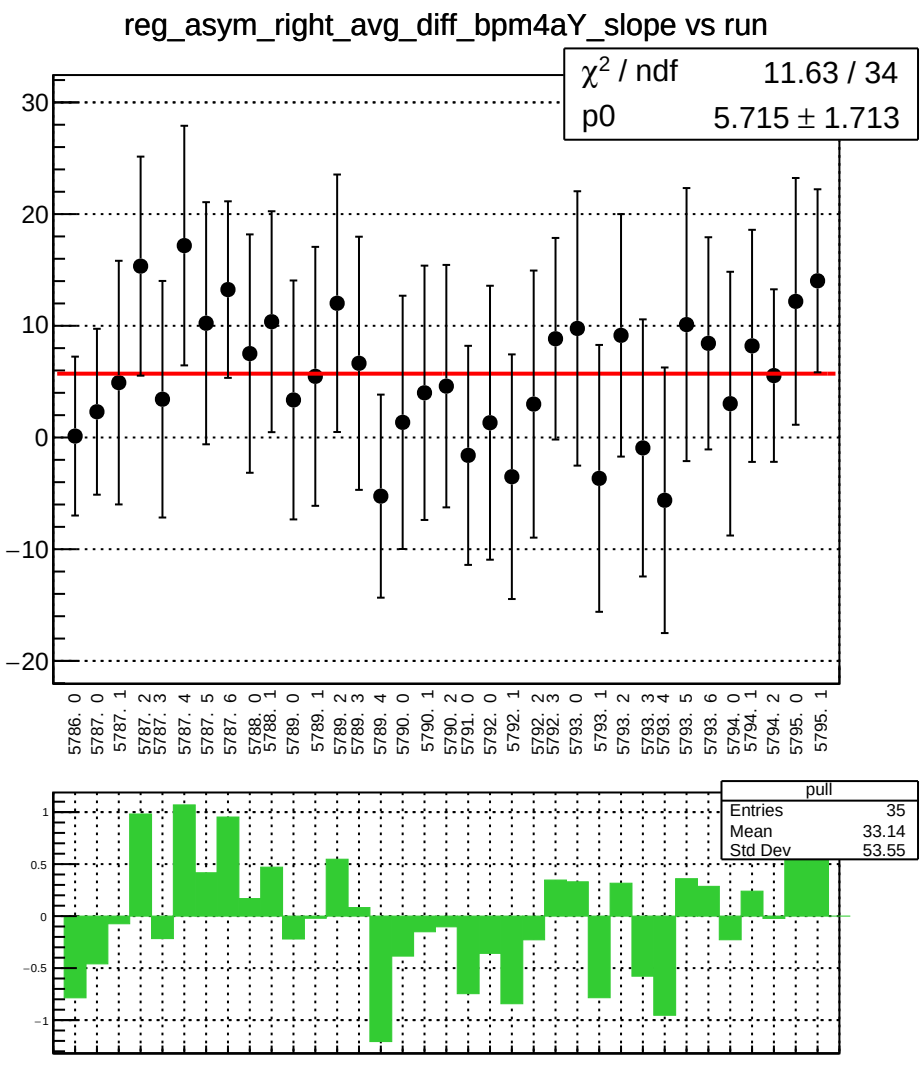

pull1D
Entries 35
Mean 0.05764
Std Dev 1.272

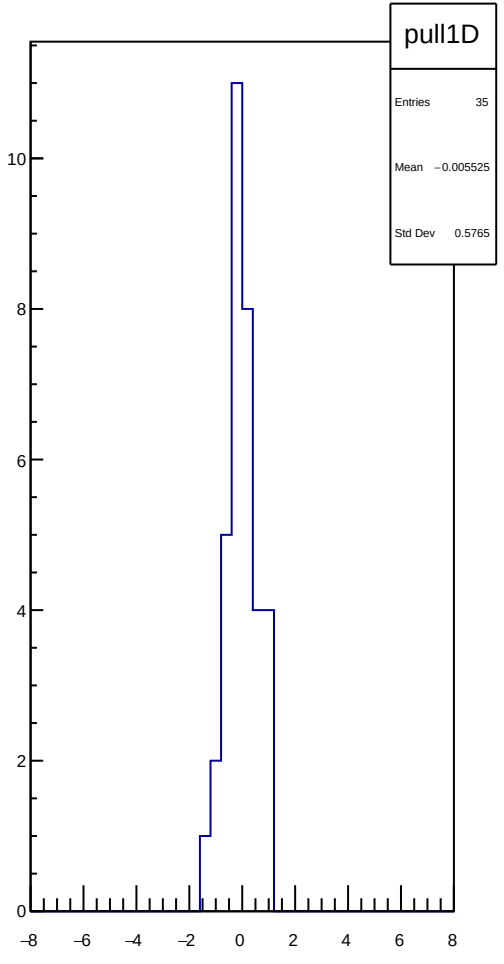

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.23 / 34
p0 8.384 ± 1.355
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −106.7
Std Dev 68.35
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 35
Mean −0.003447
Std Dev 0.9445
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

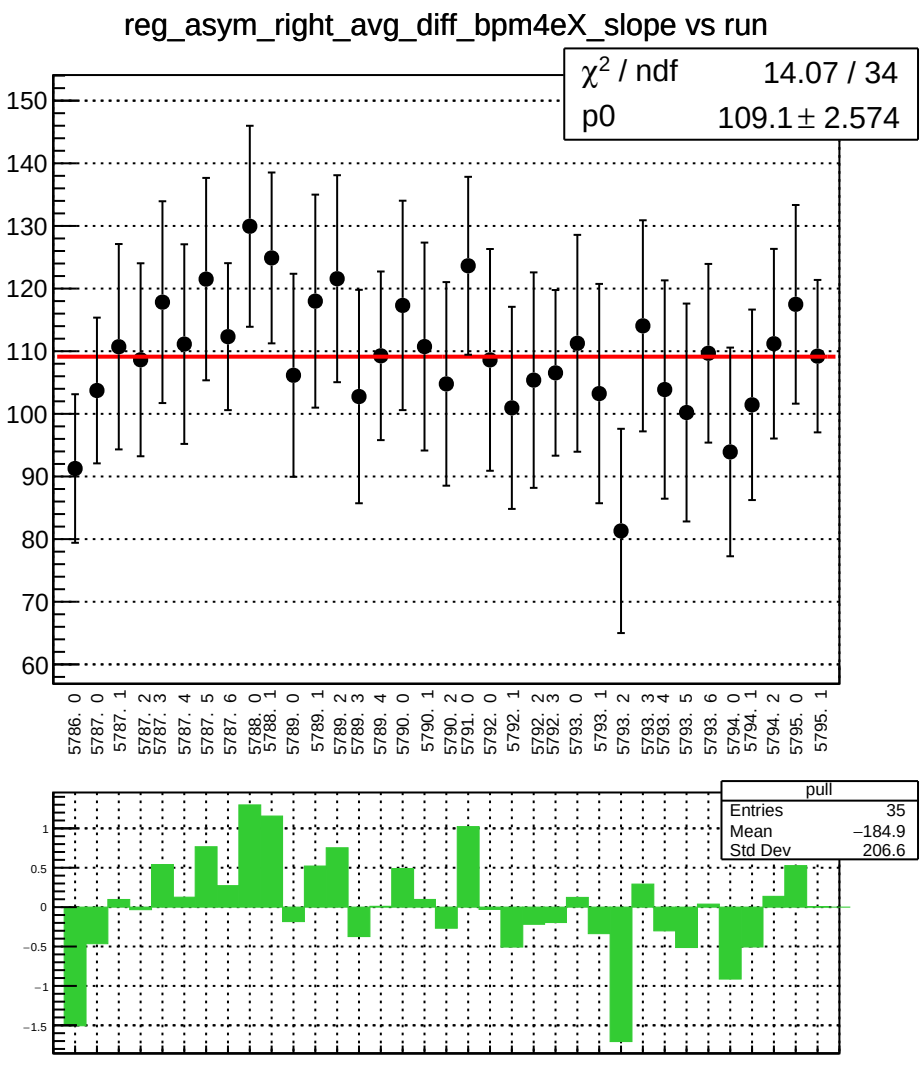

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 125.9 / 34
p0 −23.82 ± 0.09042
−22
−23
−24
−25
−26
−27
−28
−29
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 139.8
Std Dev 114.7
2
0
−2
−4
−6
−8
pull1D
Entries 35
Mean 0.2288
Std Dev 1.246
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

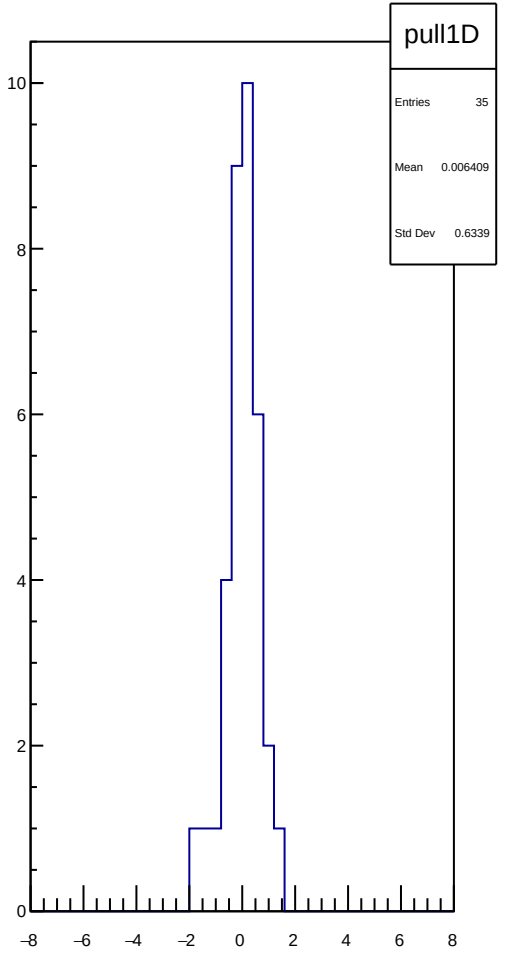

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.36 / 34
p0 −55.38 ± 2.058
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −15.79
Std Dev 43.6
1.5
1
0.5
0
−0.5
−1

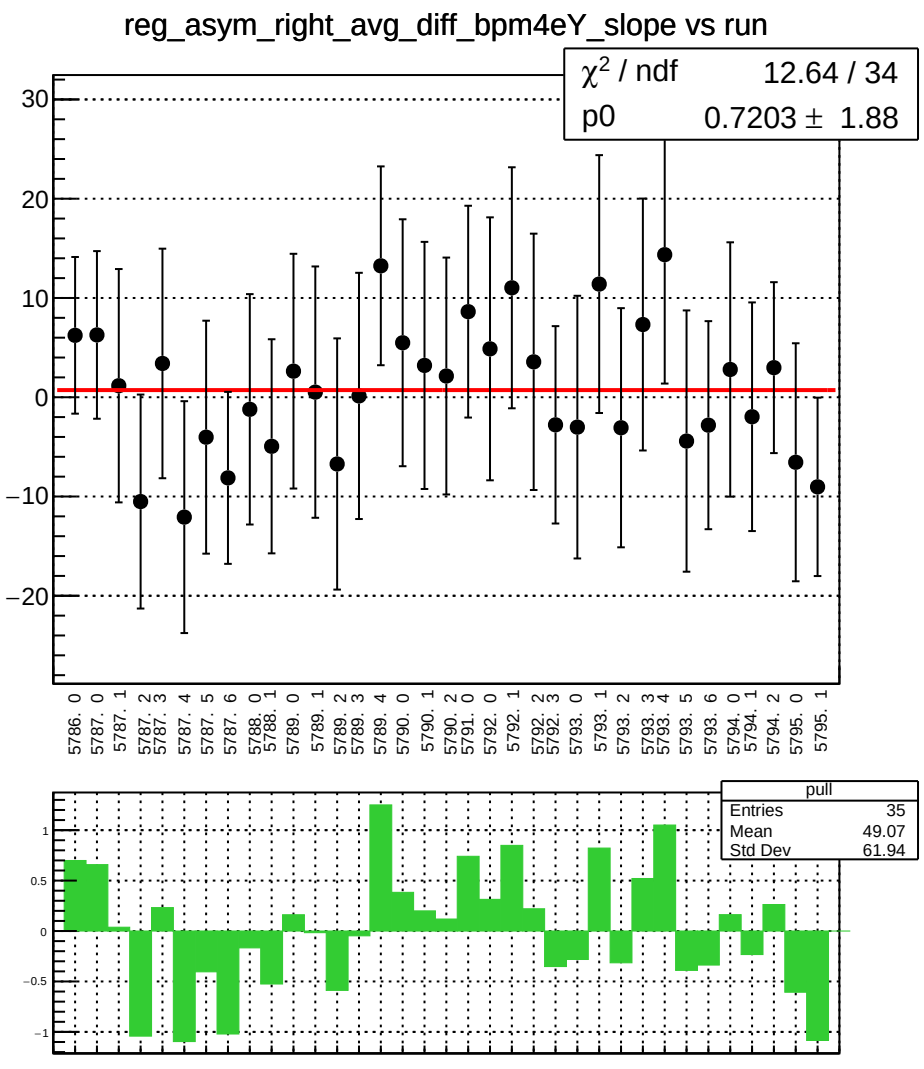

pull1D
Entries 35
Mean −0.01415
Std Dev 0.5942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

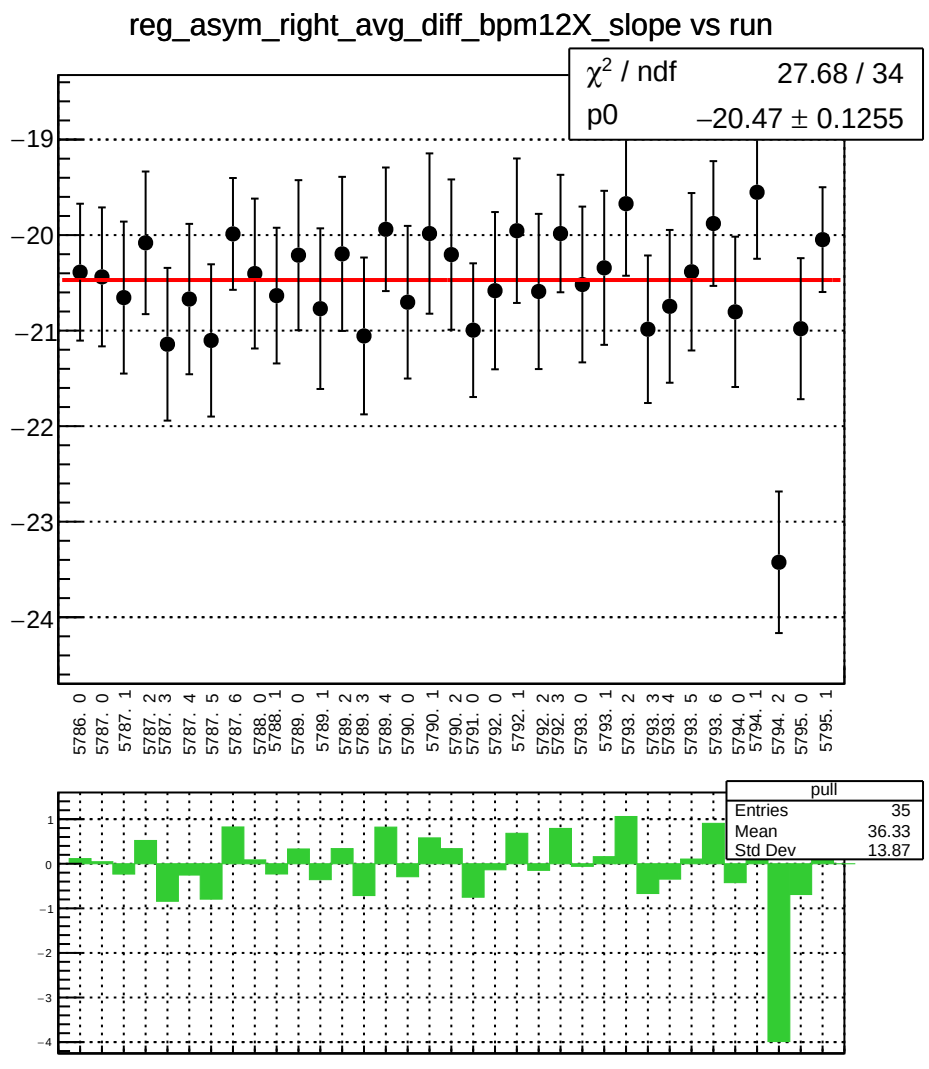

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.63 / 34
p0 5.715 ± 1.713
pull
Entries 35
Mean 33.14
Std Dev 53.55

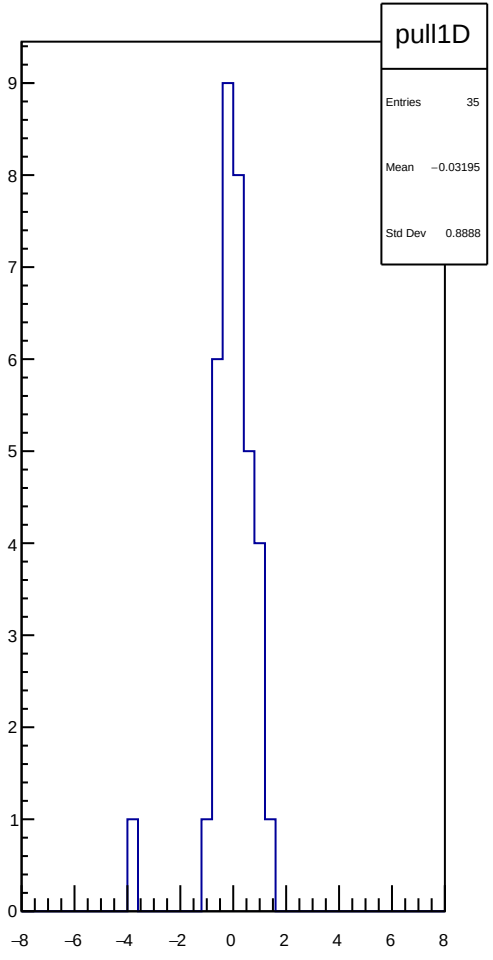

pull1D
Entries 35
Mean −0.005525
Std Dev 0.5765

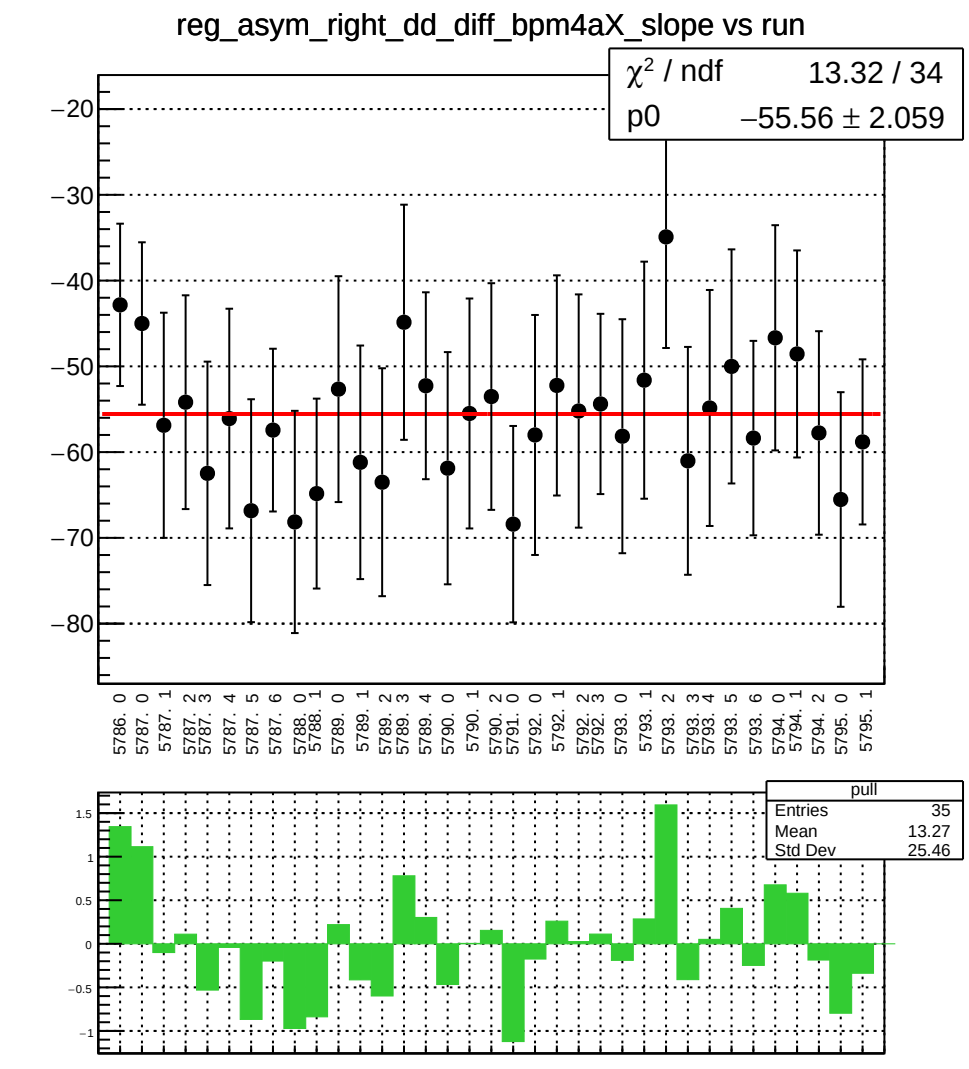

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.07 / 34
p0 109.1 ± 2.574
150
140
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −184.9
Std Dev 206.6
1
0.5
0
−0.5
−1
−1.5

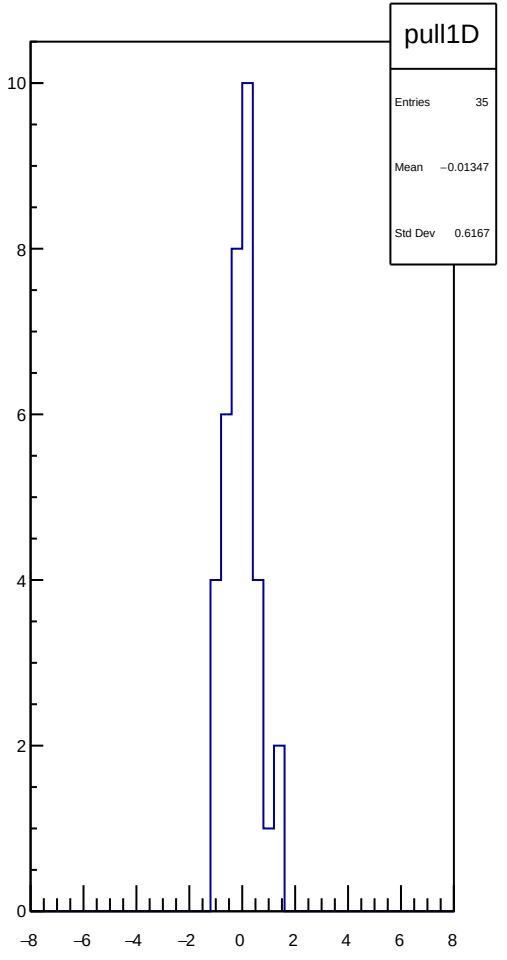

pull1D
Entries 35
Mean 0.006409
Std Dev 0.6339
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

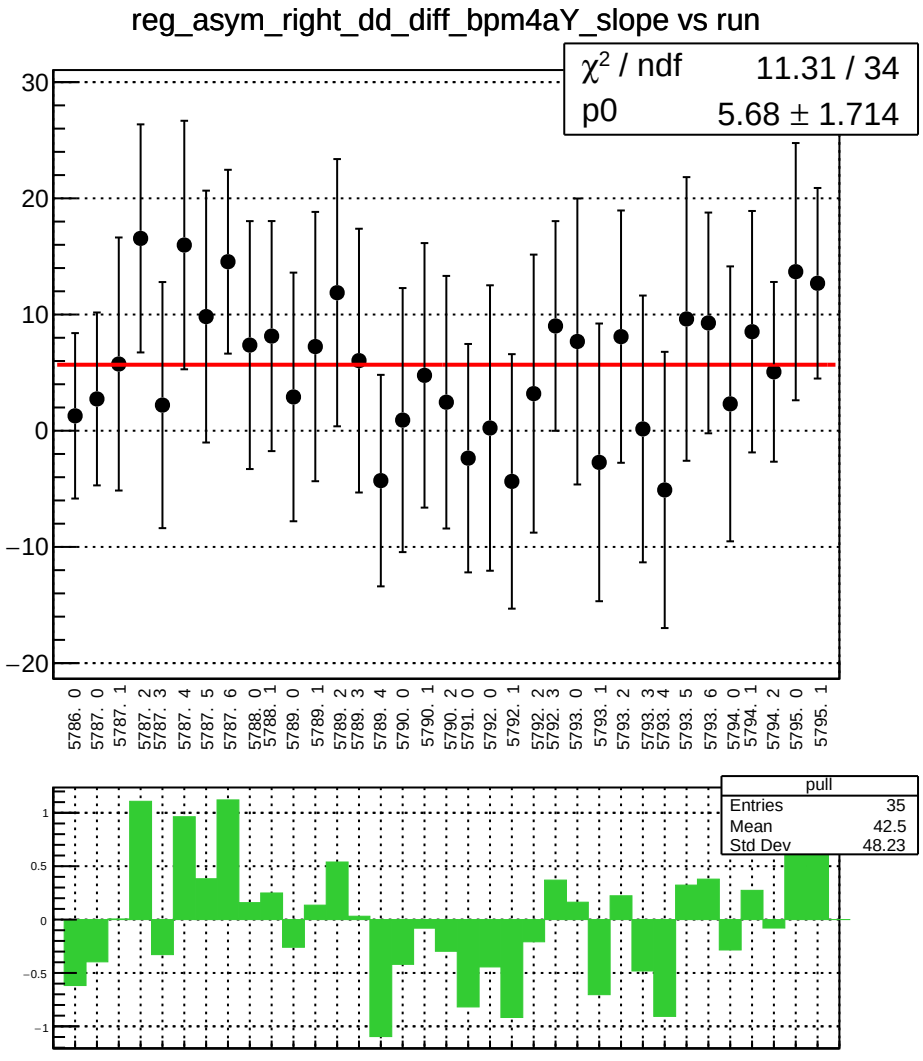

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.64 / 34
p0 0.7203 ± 1.88
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 49.07
Std Dev 61.94
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.005021
Std Dev 0.6009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 27.68 / 34
p0 −20.47 ± 0.1255
−19
−20
−21
−22
−23
−24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 36.33
Std Dev 13.87
1
0
−1
−2
−3
−4


pull1D
Entries 35
Mean −0.03195
Std Dev 0.8888
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.32 / 34
p0 −55.56 ± 2.059
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 13.27
Std Dev 25.46
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 35
Mean −0.01347
Std Dev 0.6167
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.31 / 34
p0 5.68 ± 1.714
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
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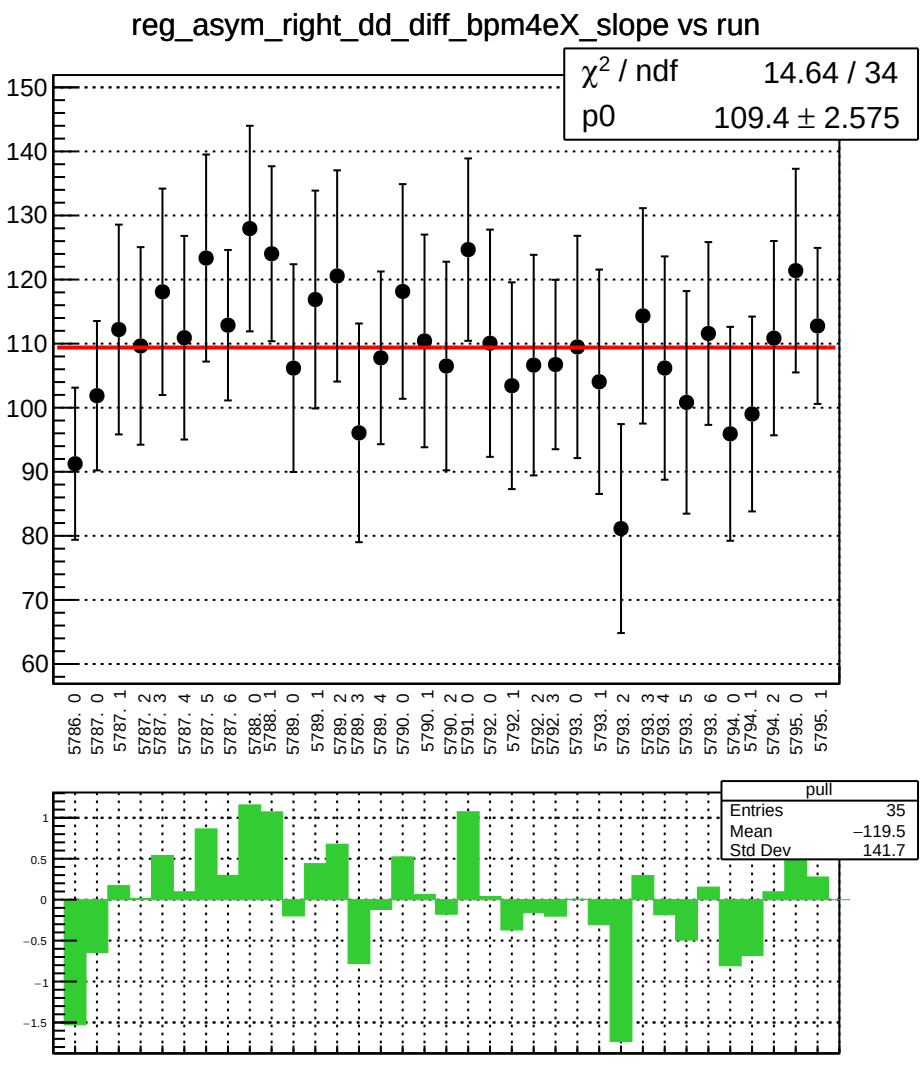
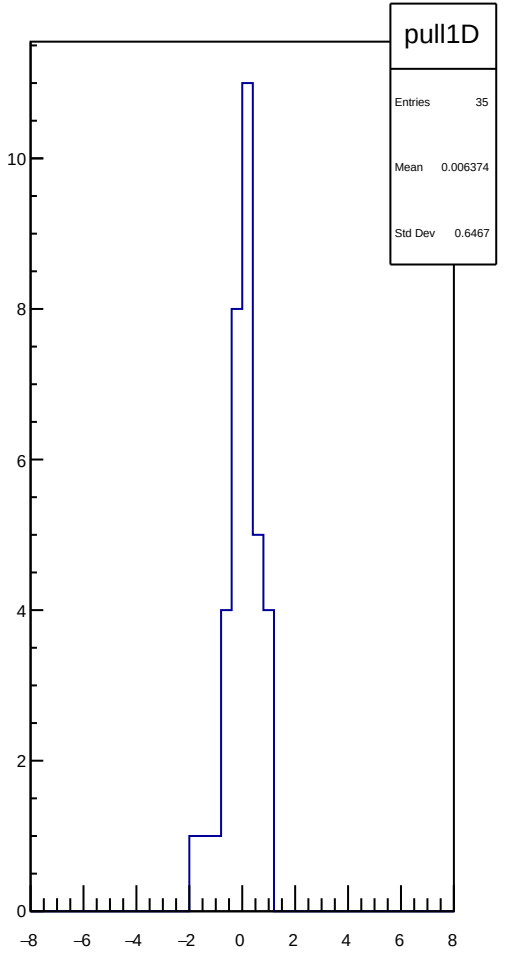
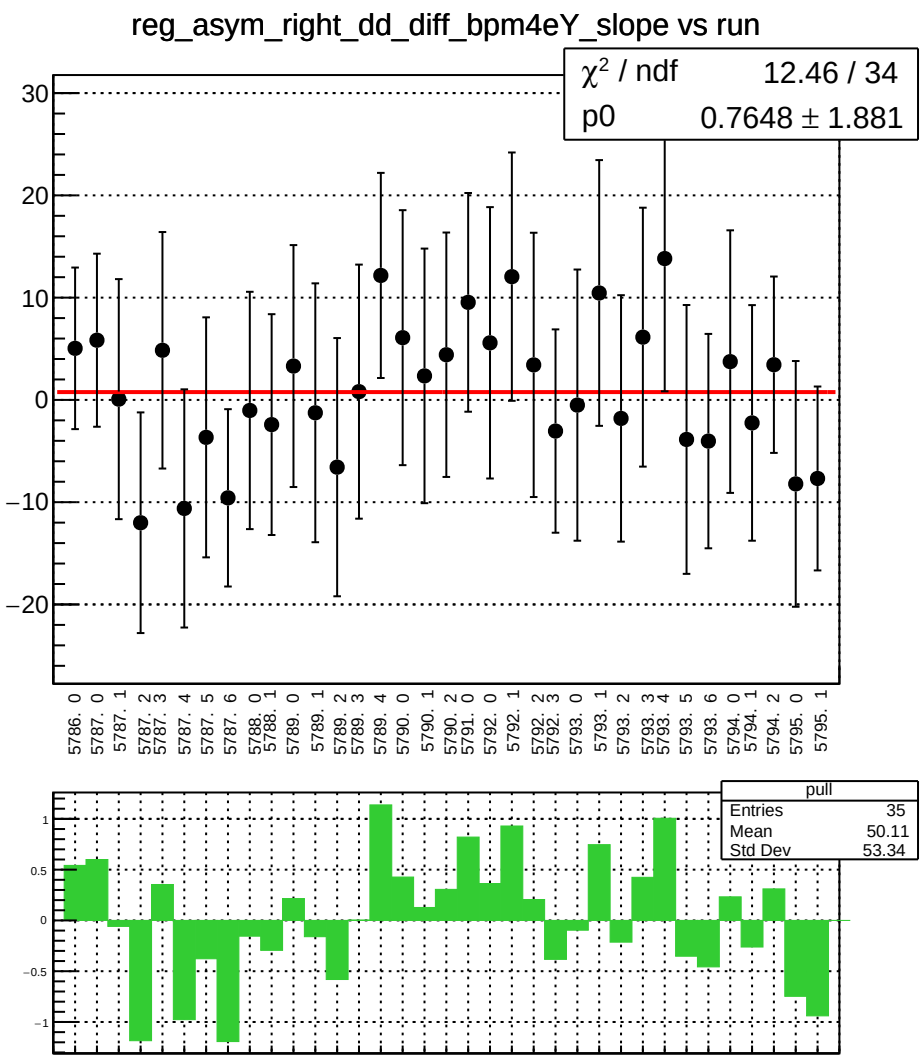
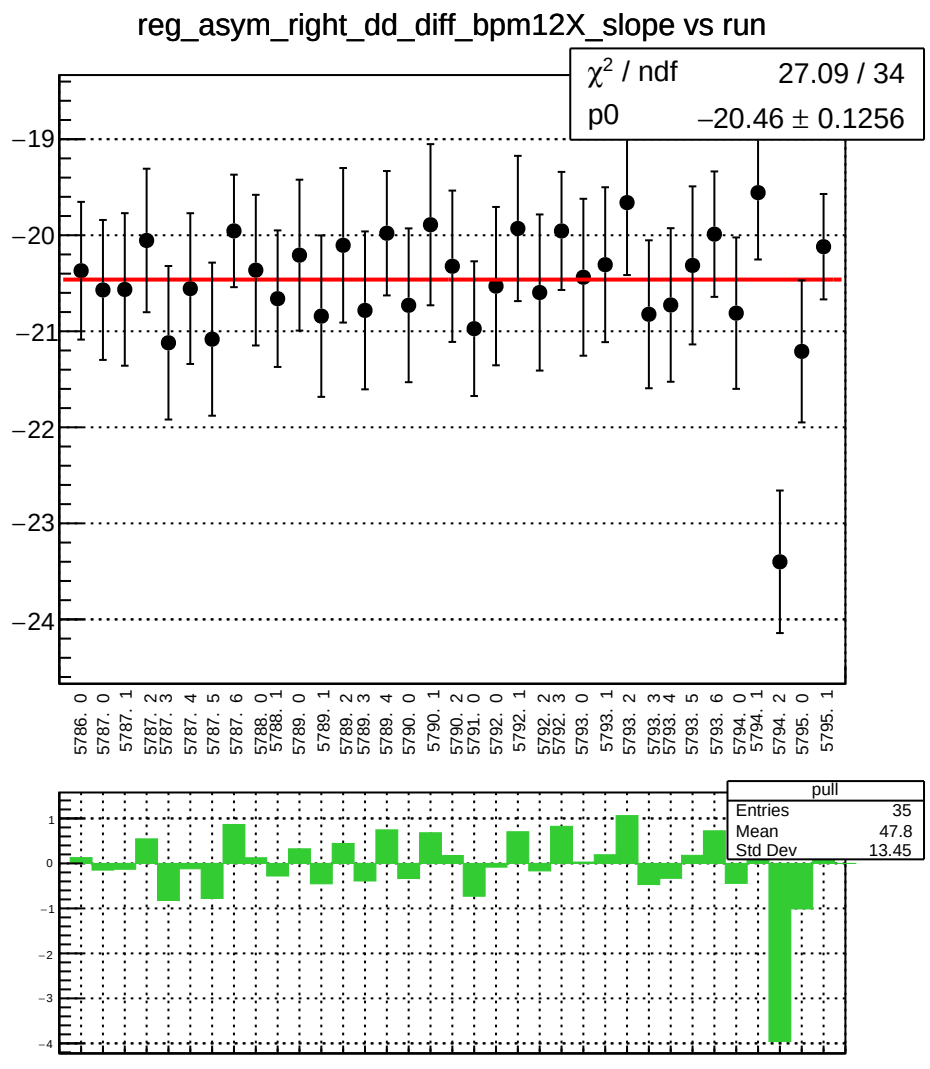
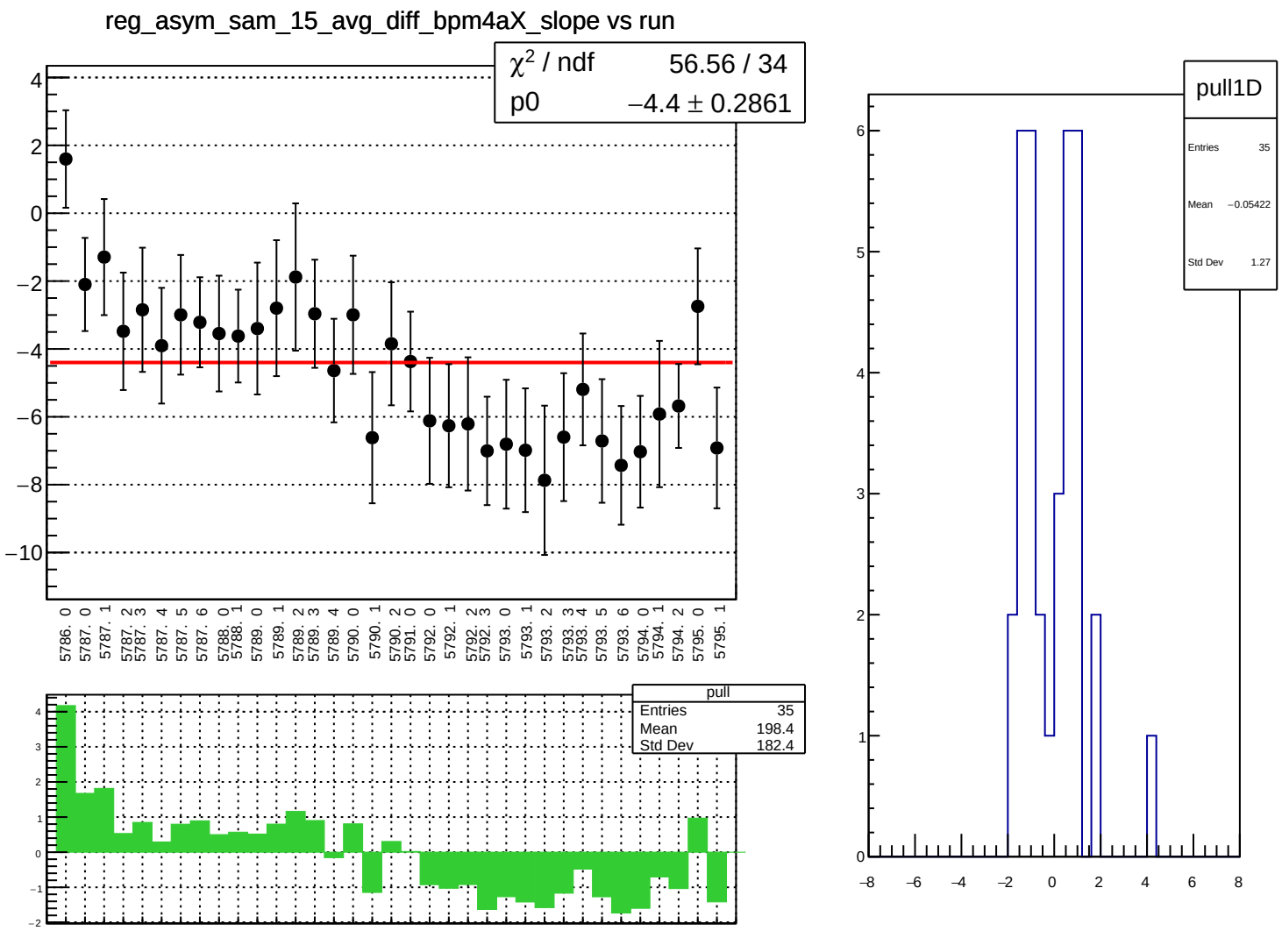
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 42.5
Std Dev 48.23
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.009543
Std Dev 0.5685
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

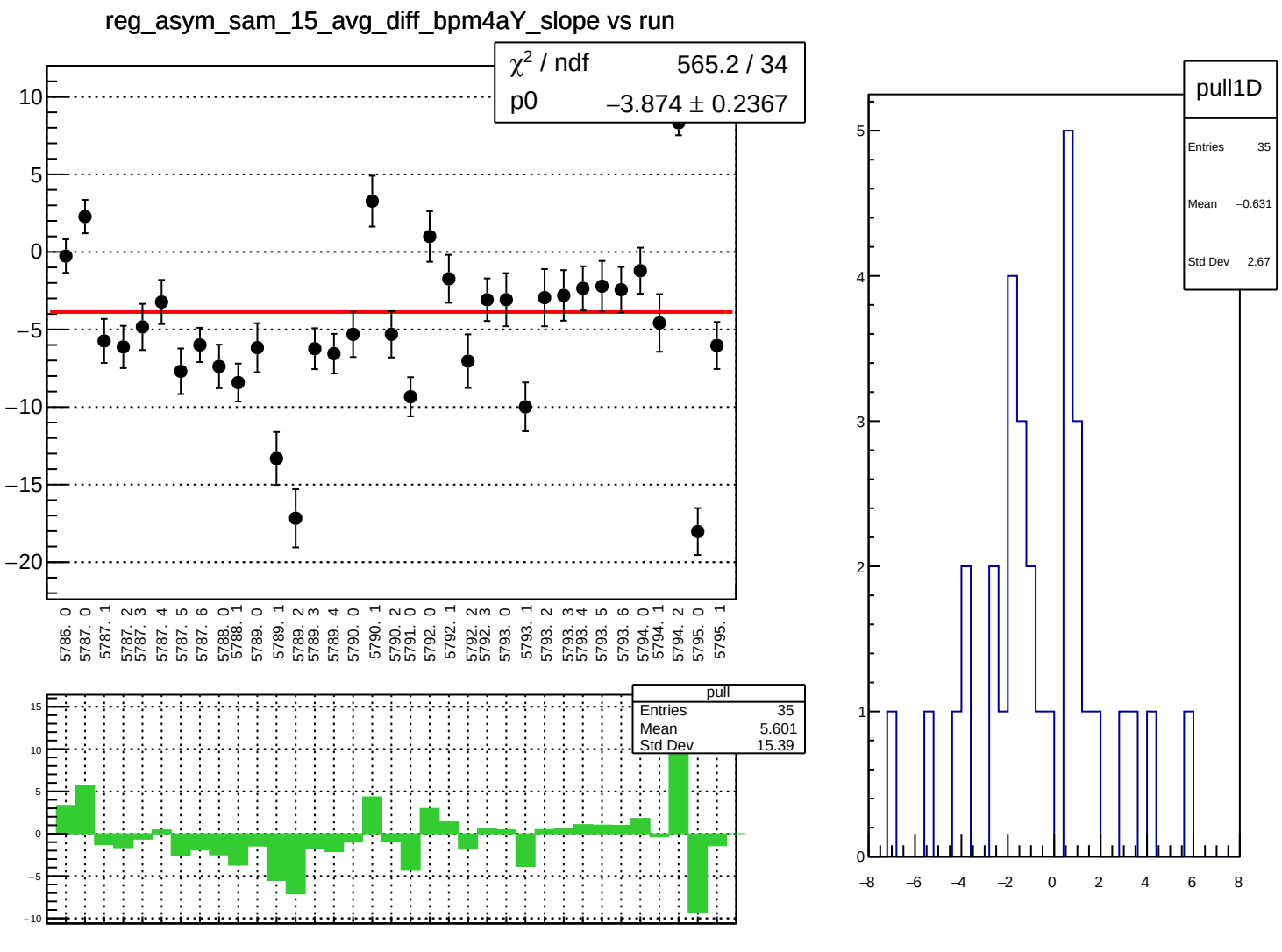

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.64 / 34
p0 109.4 ± 2.575
150
140
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −119.5
Std Dev 141.7
1
0.5
0
−0.5
−1
−1.5

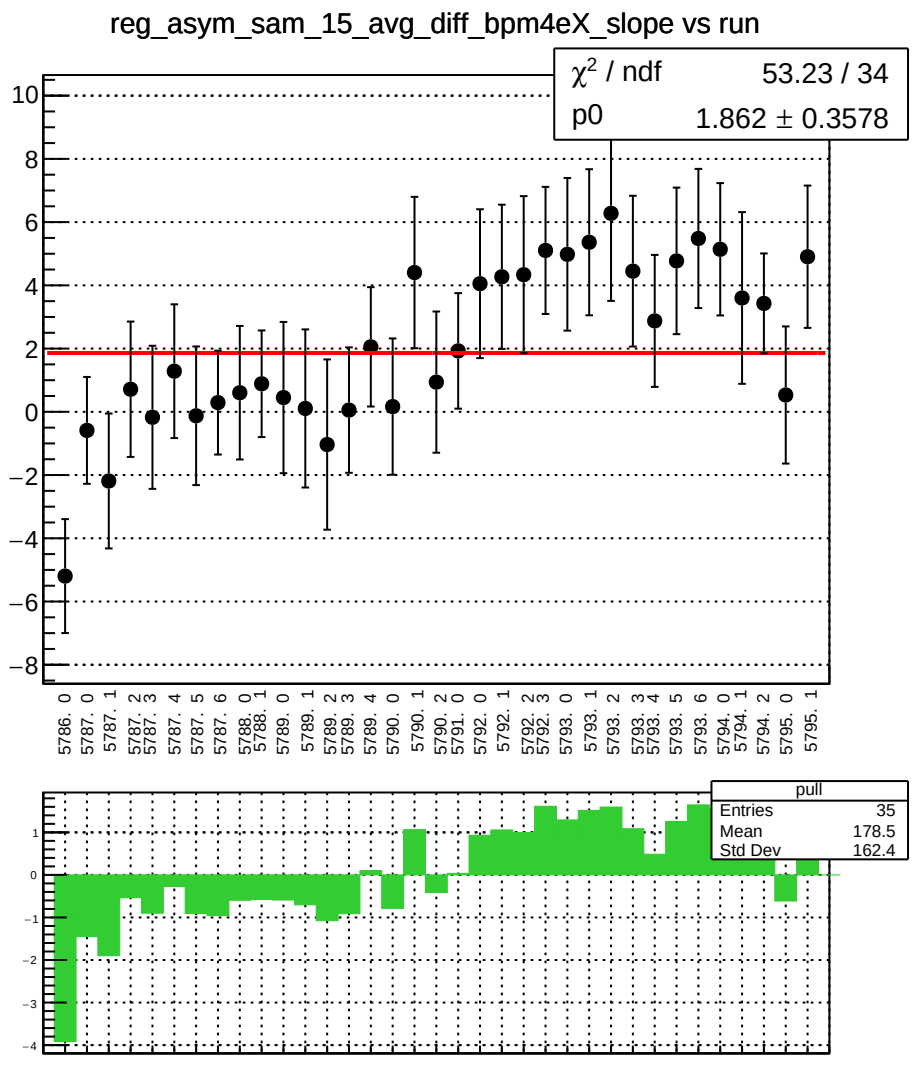

pull1D
Entries 35
Mean 0.006374
Std Dev 0.6467
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

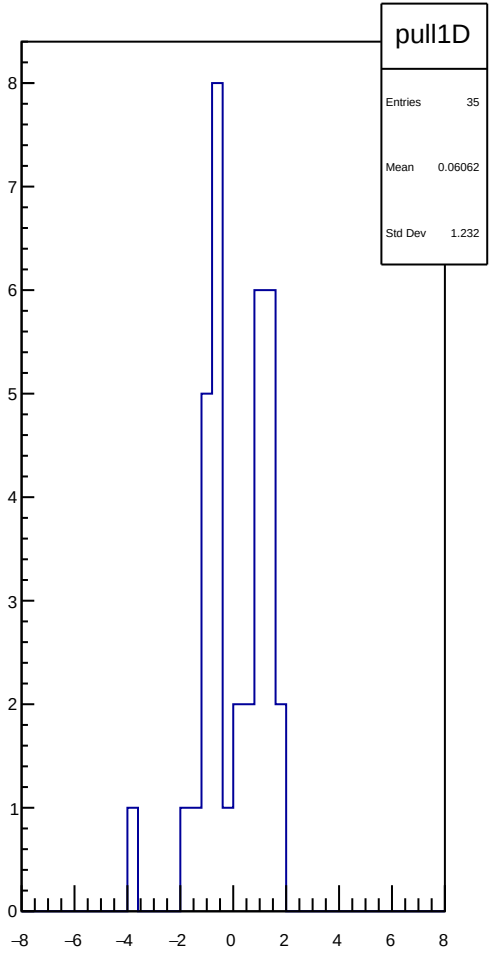

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.46 / 34
p0 0.7648 ± 1.881
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 50.11
Std Dev 53.34
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.009061
Std Dev 0.5966
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

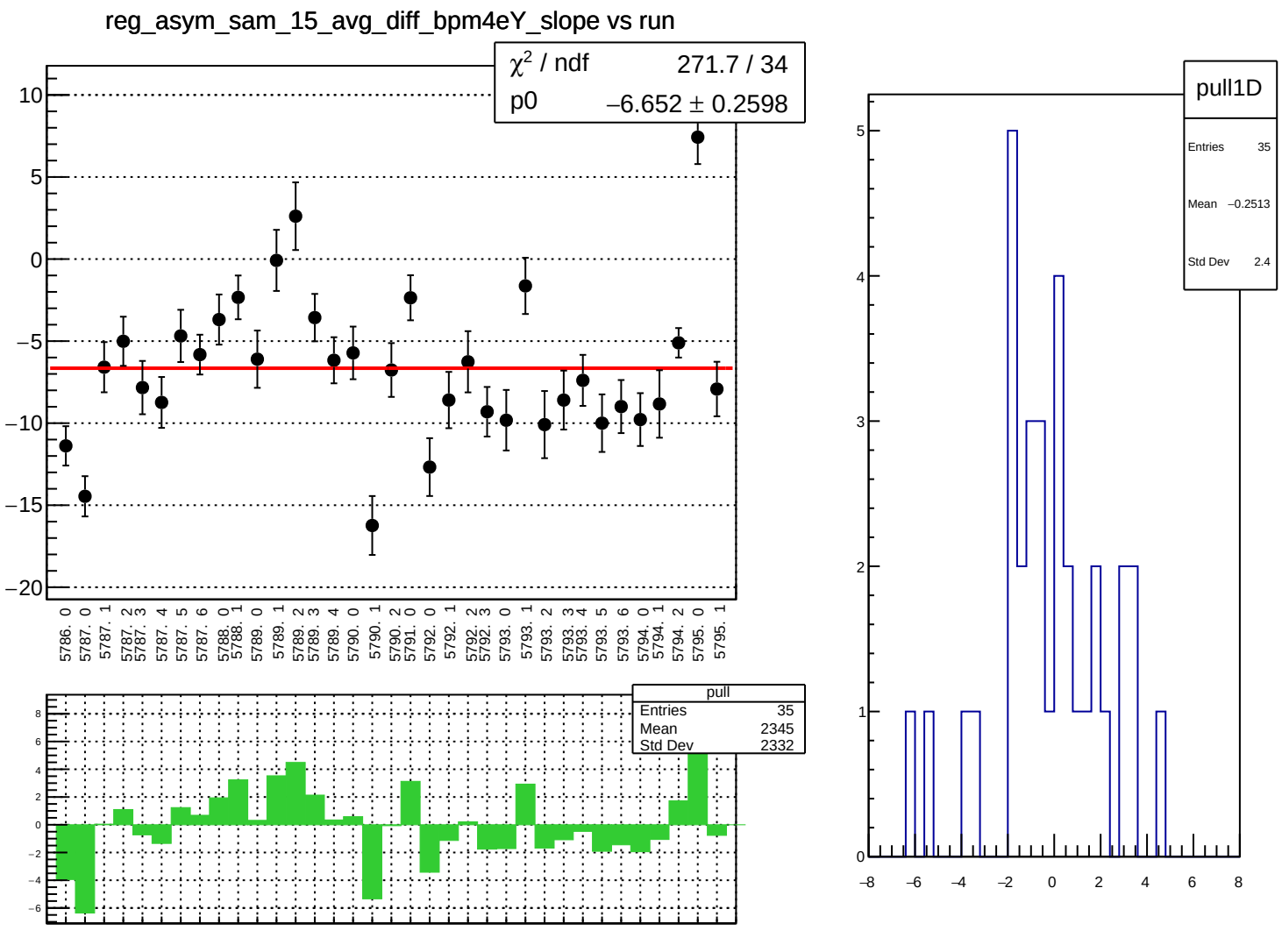

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 27.09 / 34
p0 −20.46 ± 0.1256
−19
−20
−21
−22
−23
−24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 47.8
Std Dev 13.45
1
0
−1
−2
−3
−4
pull1D
Entries 35
Mean −0.02781
Std Dev 0.8793
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

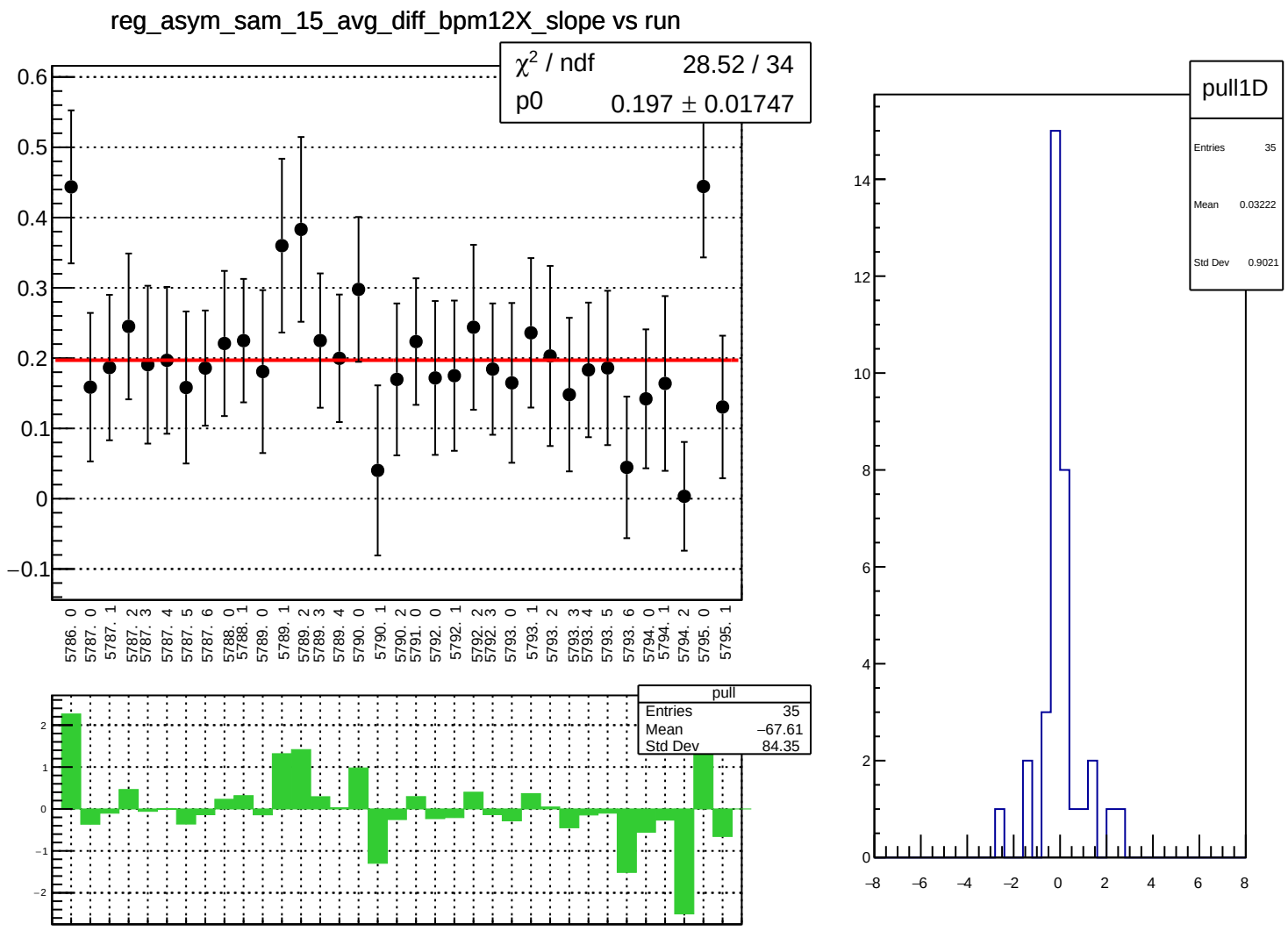

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.56 / 34
p0 −4.4 ± 0.2861
4
2
0
−2
−4
−6
−8
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 198.4
Std Dev 182.4
4
3
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.05422
Std Dev 1.27
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

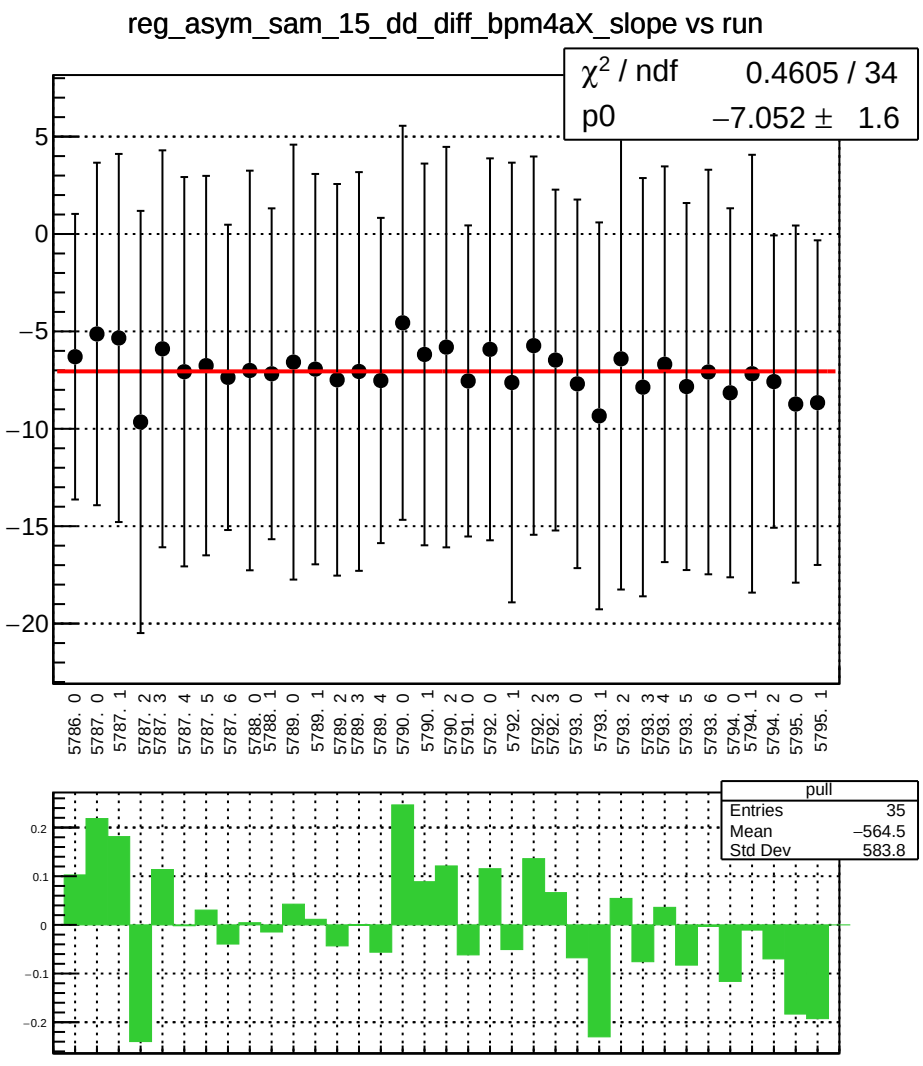

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 565.2 / 34
p0 −3.874 ± 0.2367
pull
Entries 35
Mean 5.601
Std Dev 15.39
pull1D
Entries 35
Mean −0.631
Std Dev 2.67


reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.23 / 34
p0 1.862 ± 0.3578
pull
Entries 35
Mean 178.5
Std Dev 162.4


pull1D
Entries 35
Mean 0.06062
Std Dev 1.232


reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 271.7 / 34
p0 −6.652 ± 0.2598
10
5
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 2345
Std Dev 2332
8
6
4
2
0
−2
−4
−6
pull1D
Entries 35
Mean −0.2513
Std Dev 2.4
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 28.52 / 34
p0 0.197 ± 0.01747
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −67.61
Std Dev 84.35
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.03222
Std Dev 0.9021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4605 / 34
p0 −7.052 ± 1.6
5
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5790. 2
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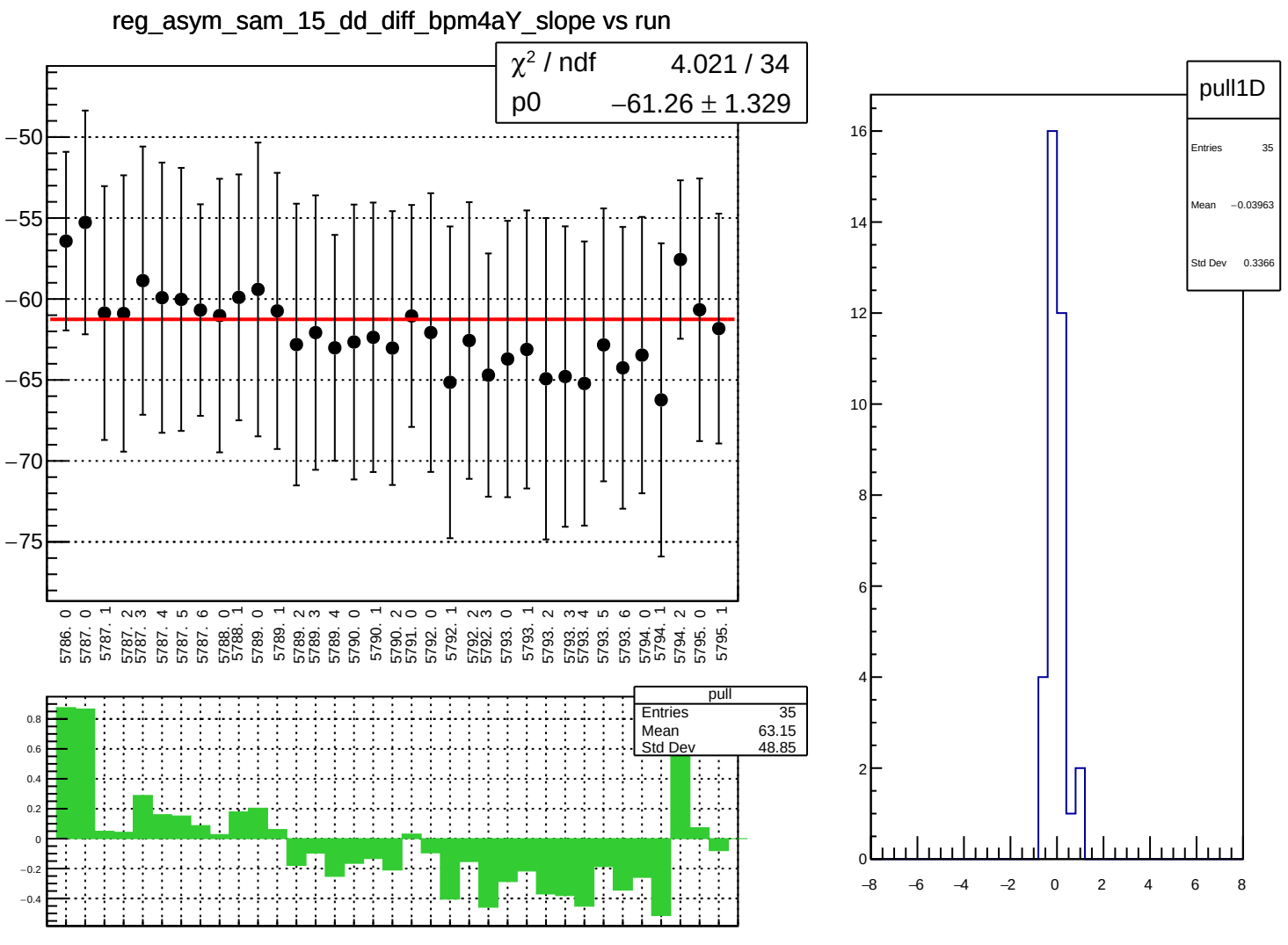
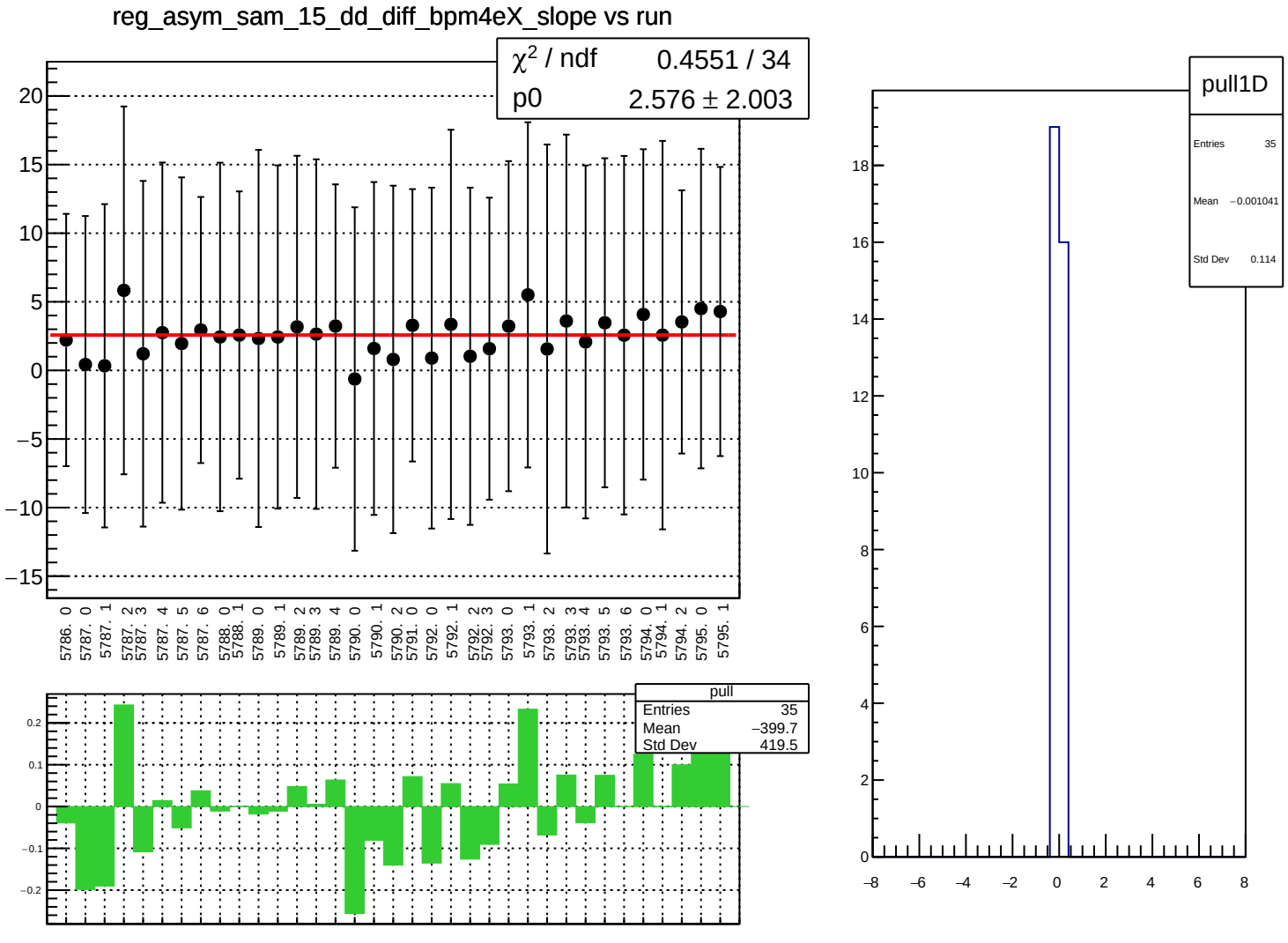
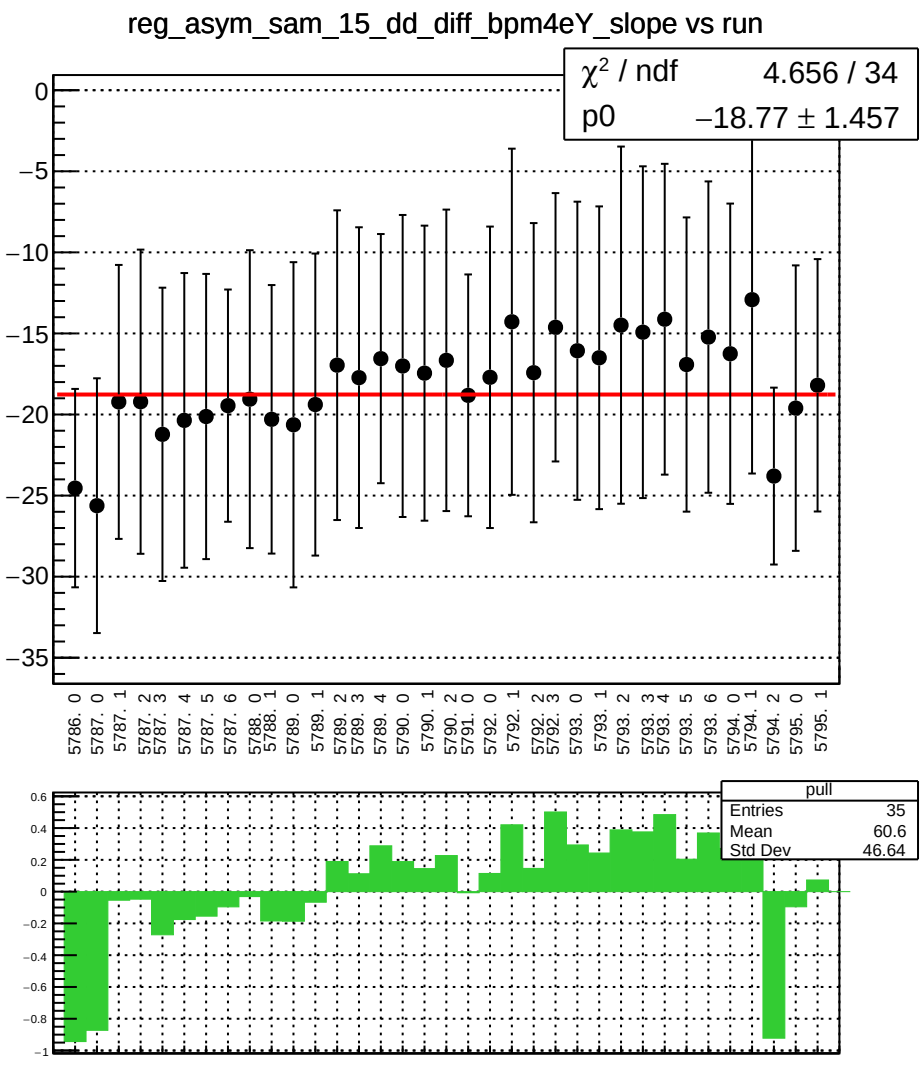
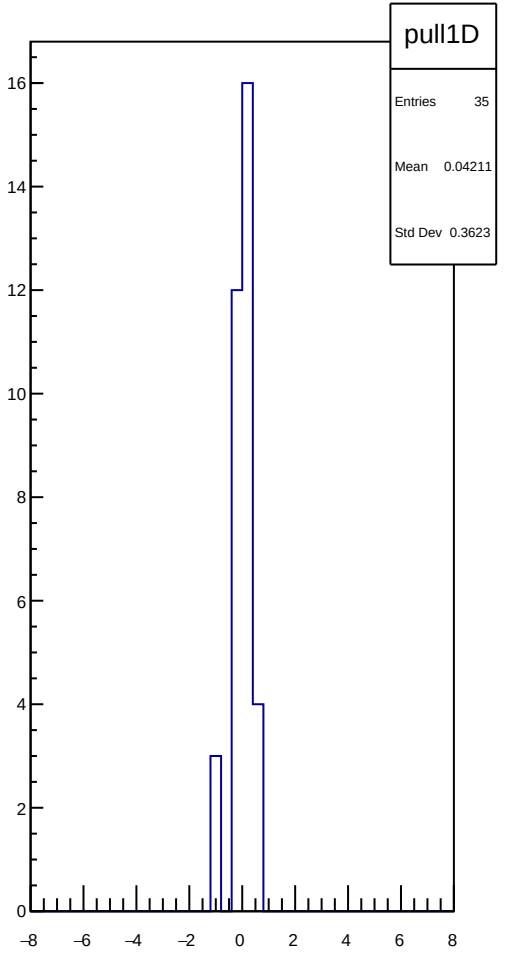
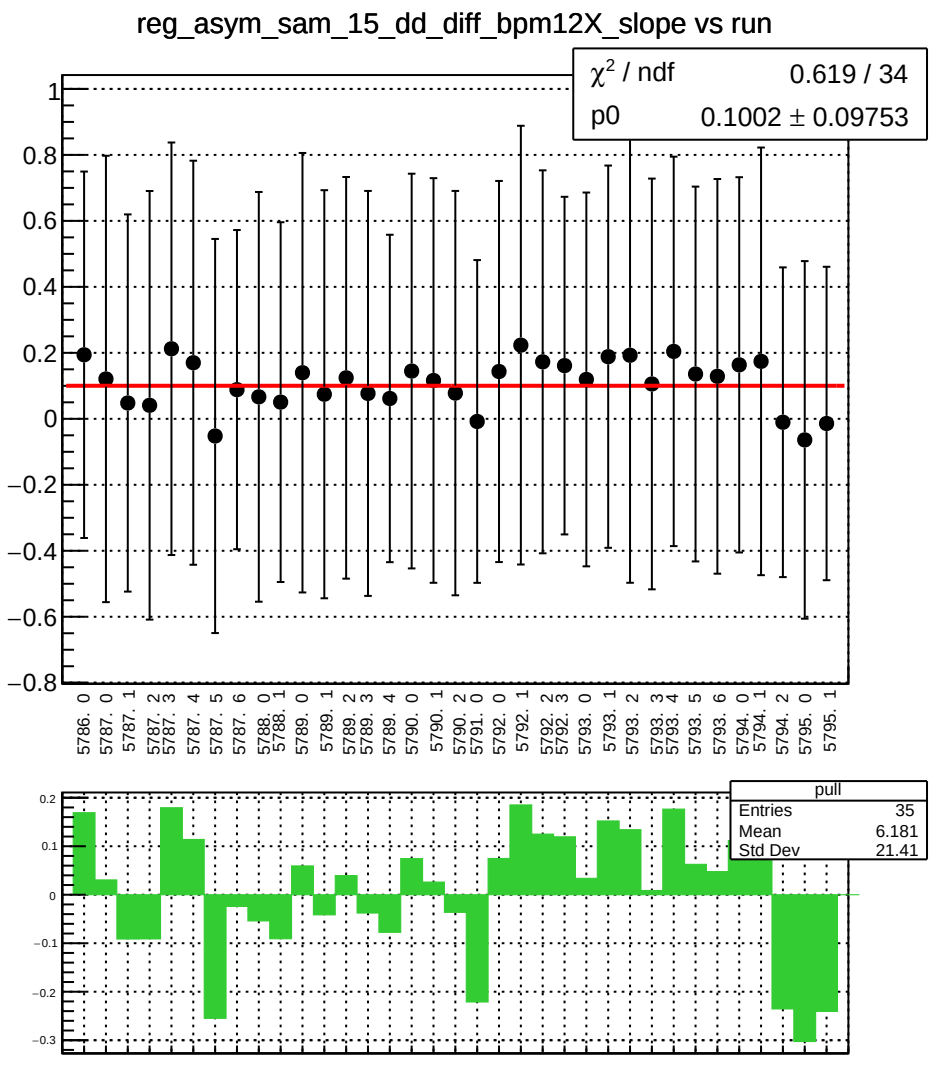
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −564.5
Std Dev 583.8
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean 0.000852
Std Dev 0.1147
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

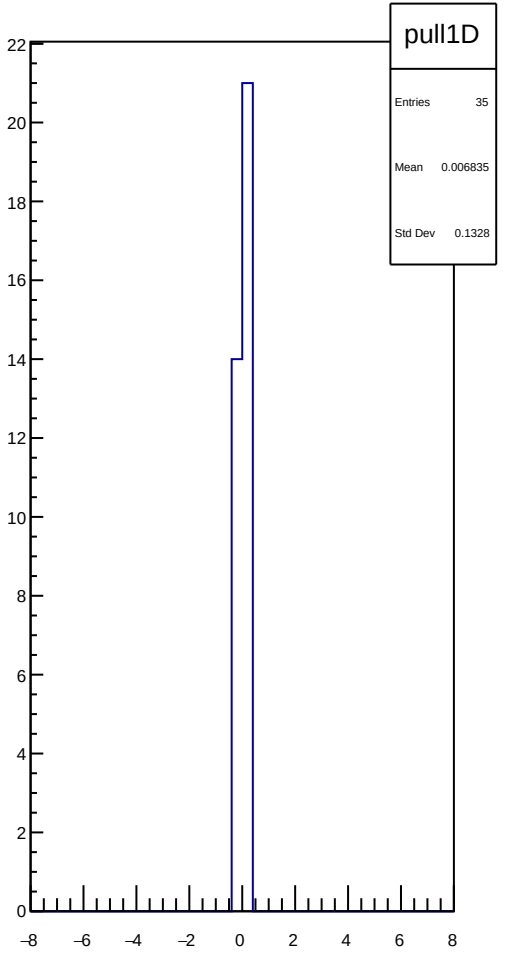

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.021 / 34
p0 −61.26 ± 1.329
−50
−55
−60
−65
−70
−75
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 63.15
Std Dev 48.85
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.03963
Std Dev 0.3366
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

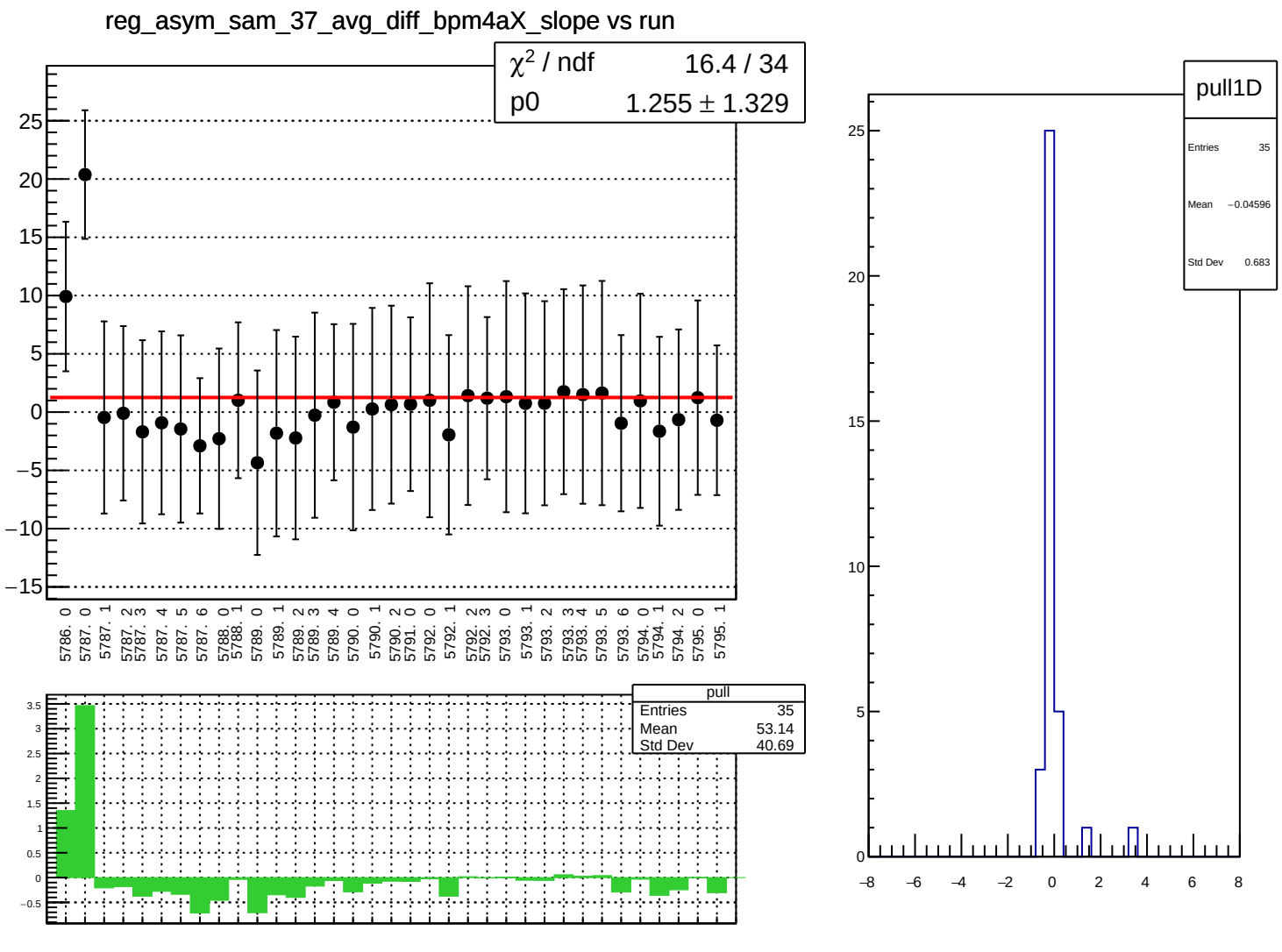

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4551 / 34
p0 2.576 ± 2.003
20
15
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −399.7
Std Dev 419.5
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −0.001041
Std Dev 0.114
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

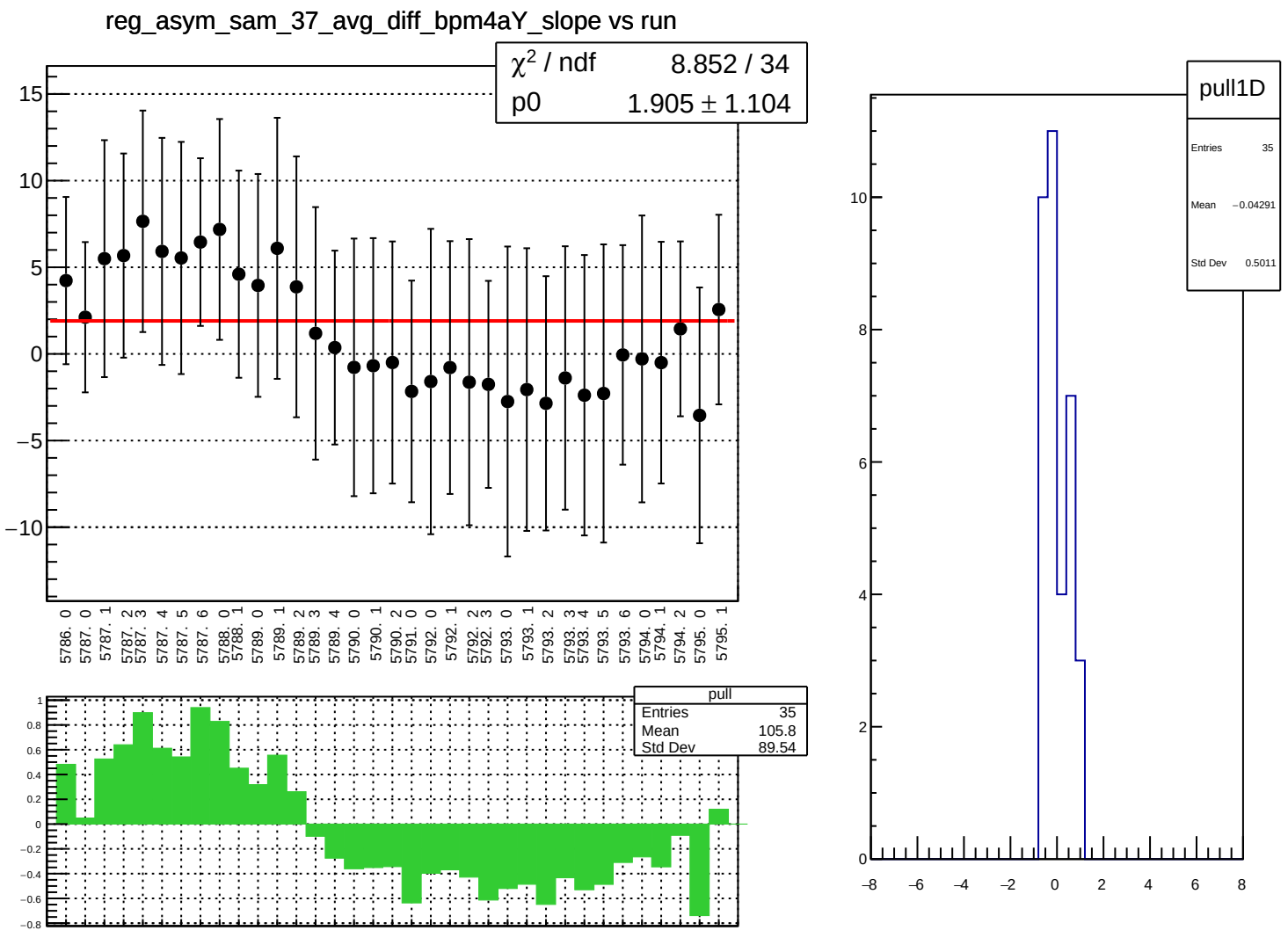

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.656 / 34
p0 −18.77 ± 1.457
0
−5
−10
−15
−20
−25
−30
−35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 60.6
Std Dev 46.64
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

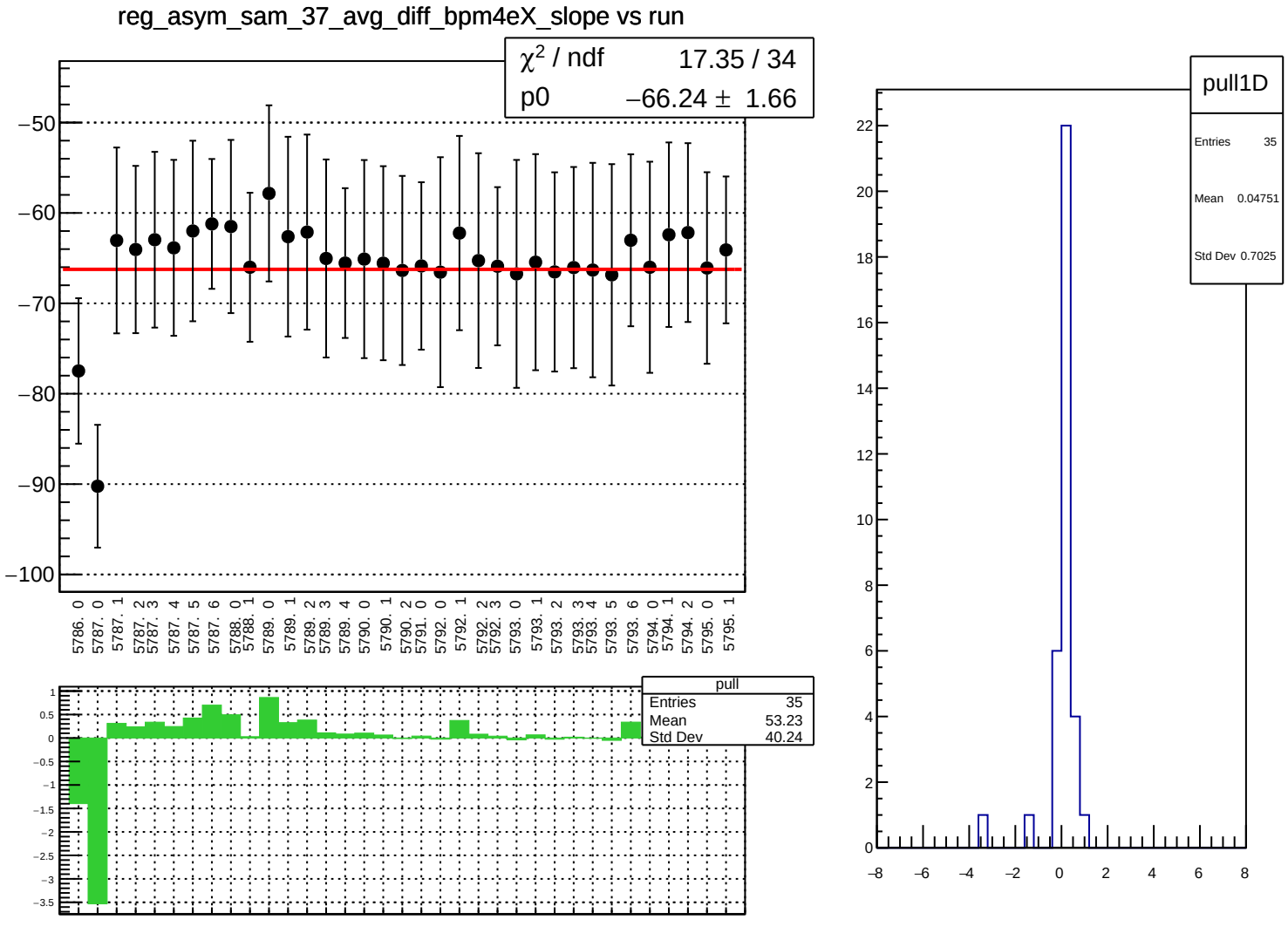

pull1D
Entries 35
Mean 0.04211
Std Dev 0.3623
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

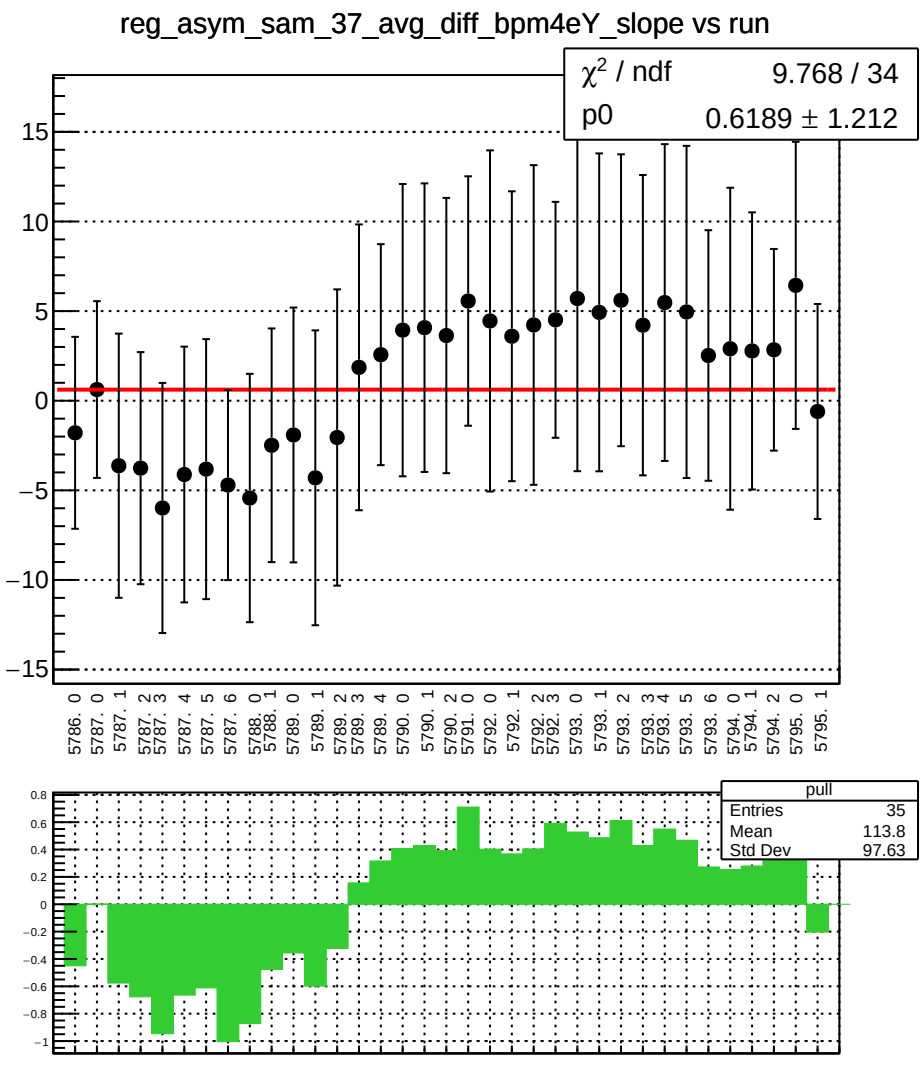

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.619 / 34
p0 0.1002 ± 0.09753
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 6.181
Std Dev 21.41
0.2
0.1
0
−0.1
−0.2
−0.3

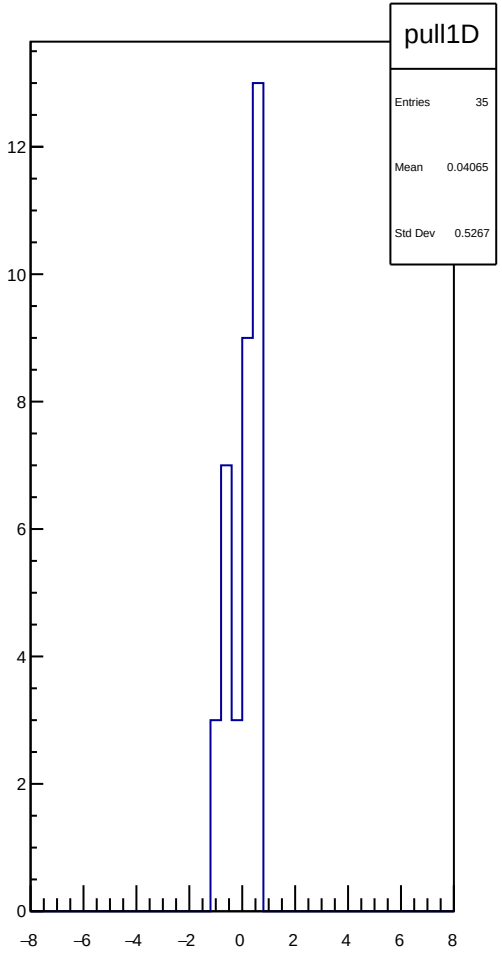

pull1D
Entries 35
Mean 0.006835
Std Dev 0.1328
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

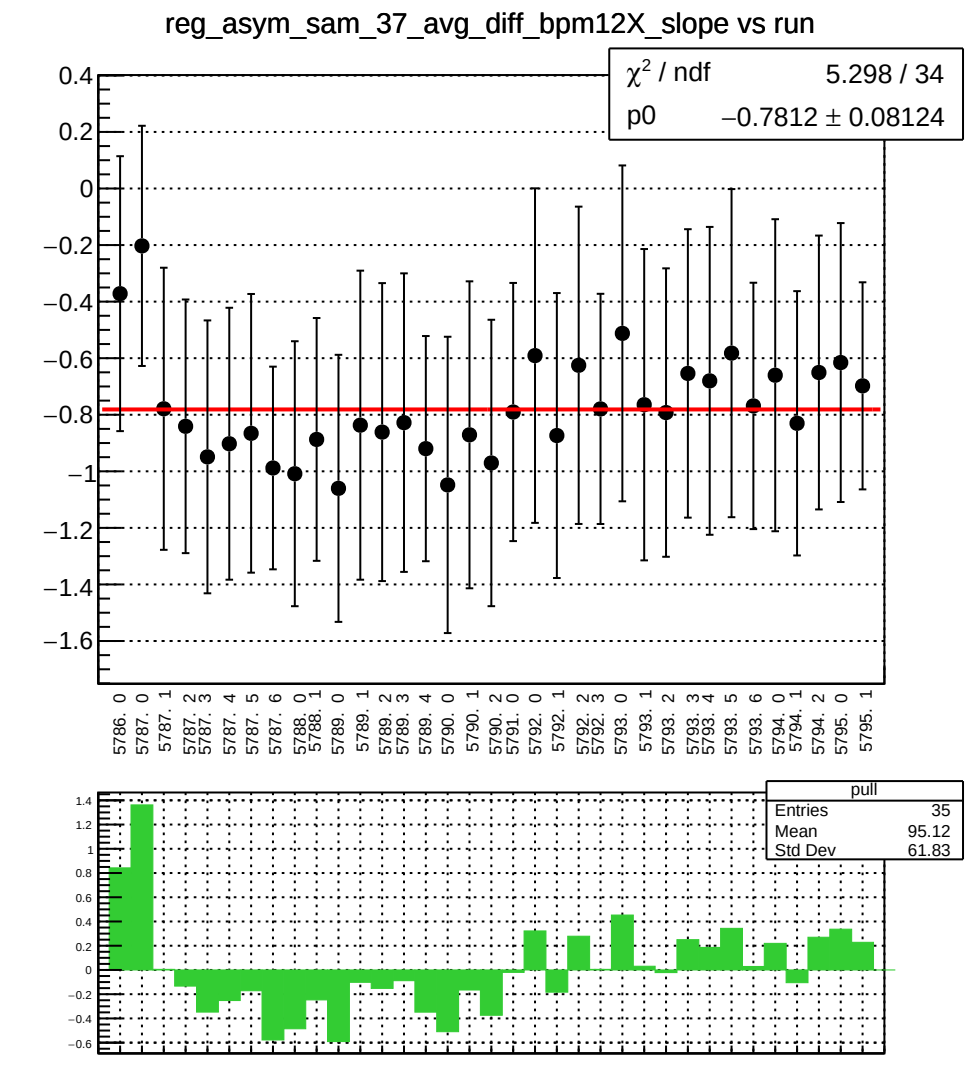

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.4 / 34
p0 1.255 ± 1.329
pull
Entries 35
Mean 53.14
Std Dev 40.69
pull1D
Entries 35
Mean −0.04596
Std Dev 0.683

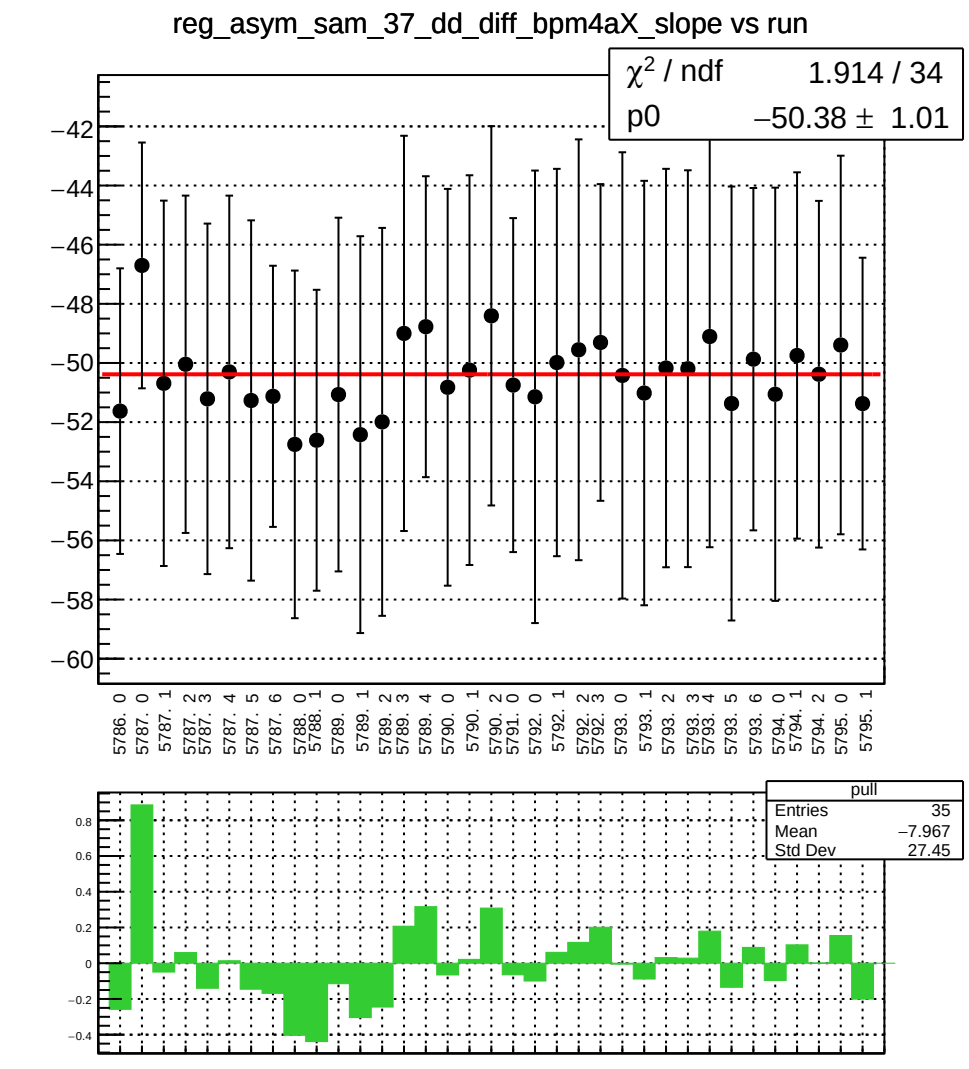

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.852 / 34
p0 1.905 ± 1.104
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 105.8
Std Dev 89.54
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.04291
Std Dev 0.5011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

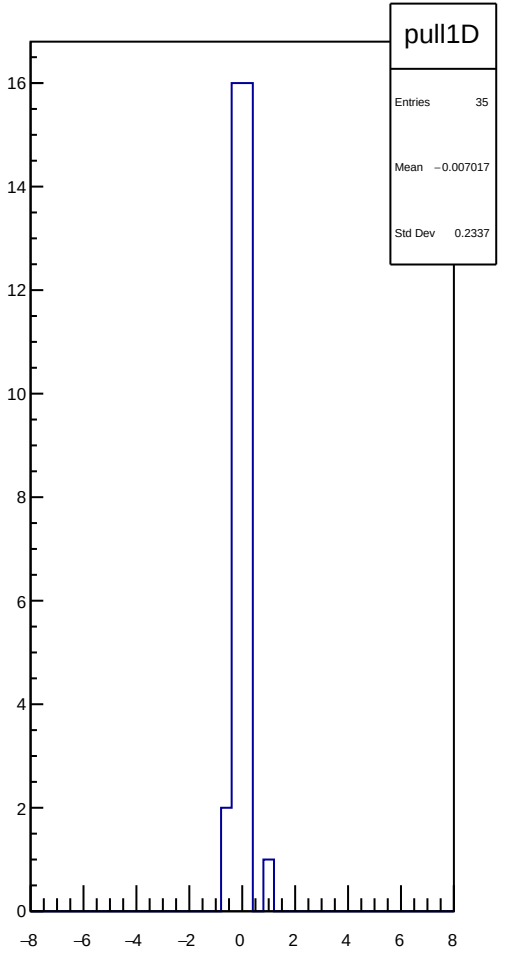

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.35 / 34
p0 −66.24 ± 1.66
−50
−60
−70
−80
−90
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 53.23
Std Dev 40.24
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 35
Mean 0.04751
Std Dev 0.7025
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

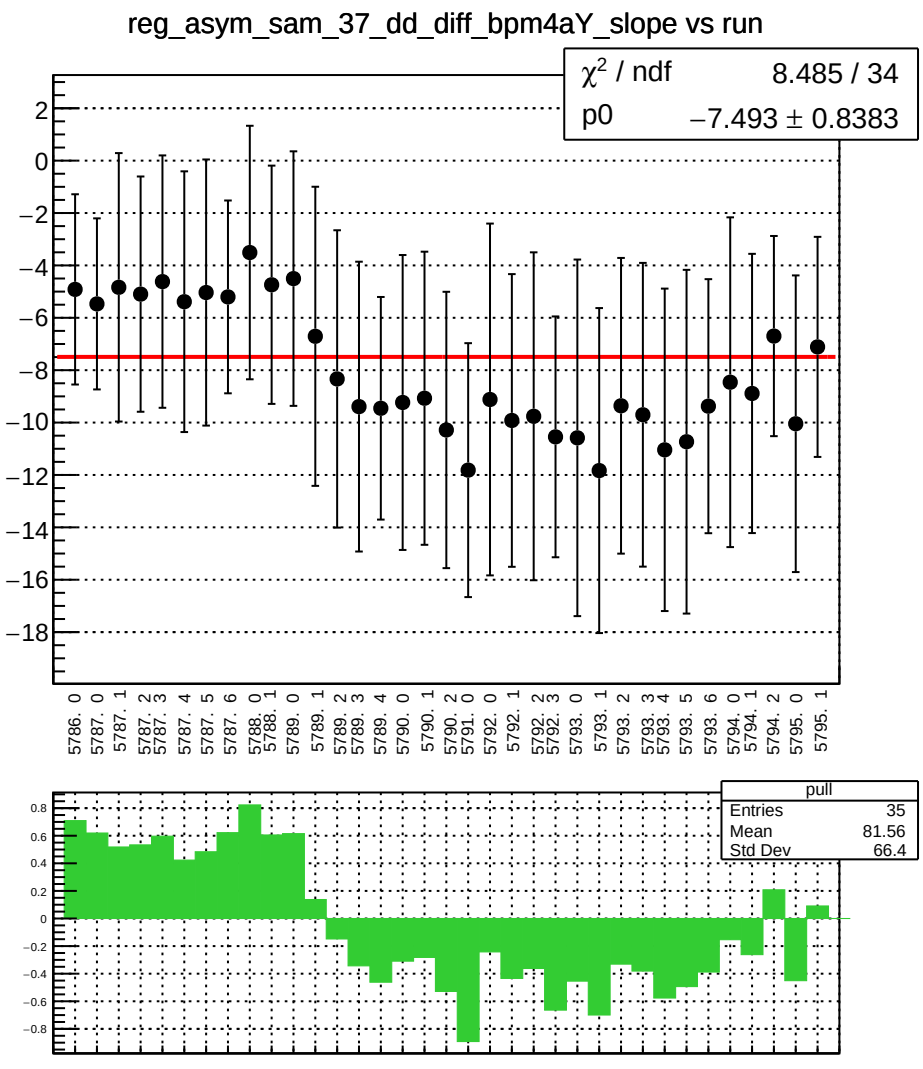

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.768 / 34
p0 0.6189 ± 1.212
pull
Entries 35
Mean 113.8
Std Dev 97.63

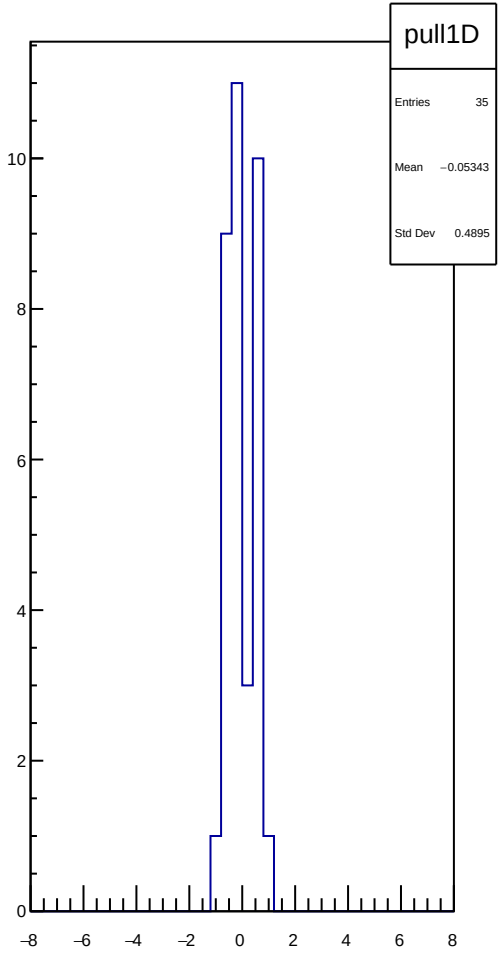

pull1D
Entries 35
Mean 0.04065
Std Dev 0.5267

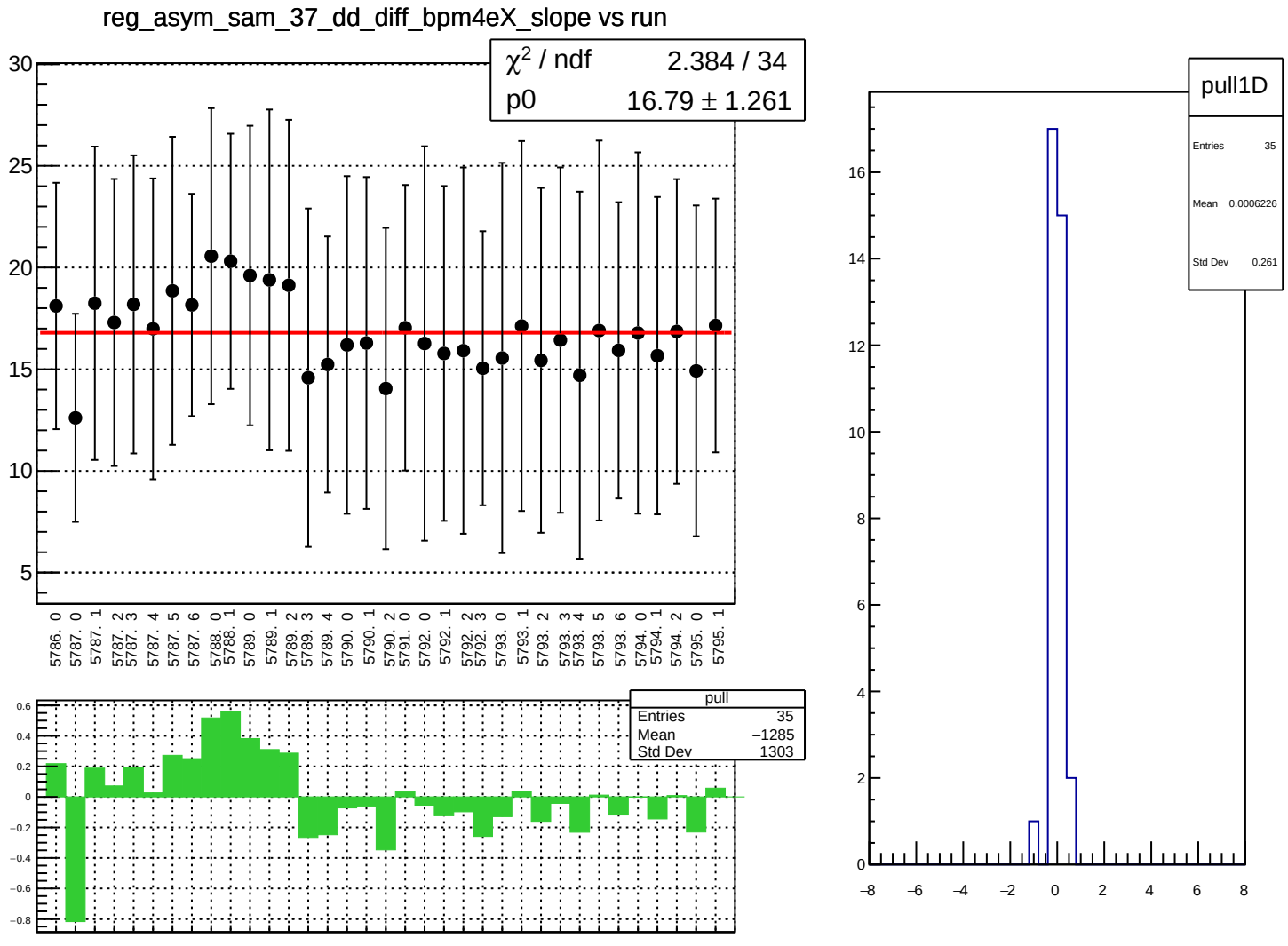

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.298 / 34
p0 −0.7812 ± 0.08124
pull
Entries 35
Mean 95.12
Std Dev 61.83
pull1D
Entries 35
Mean 0.008171
Std Dev 0.389

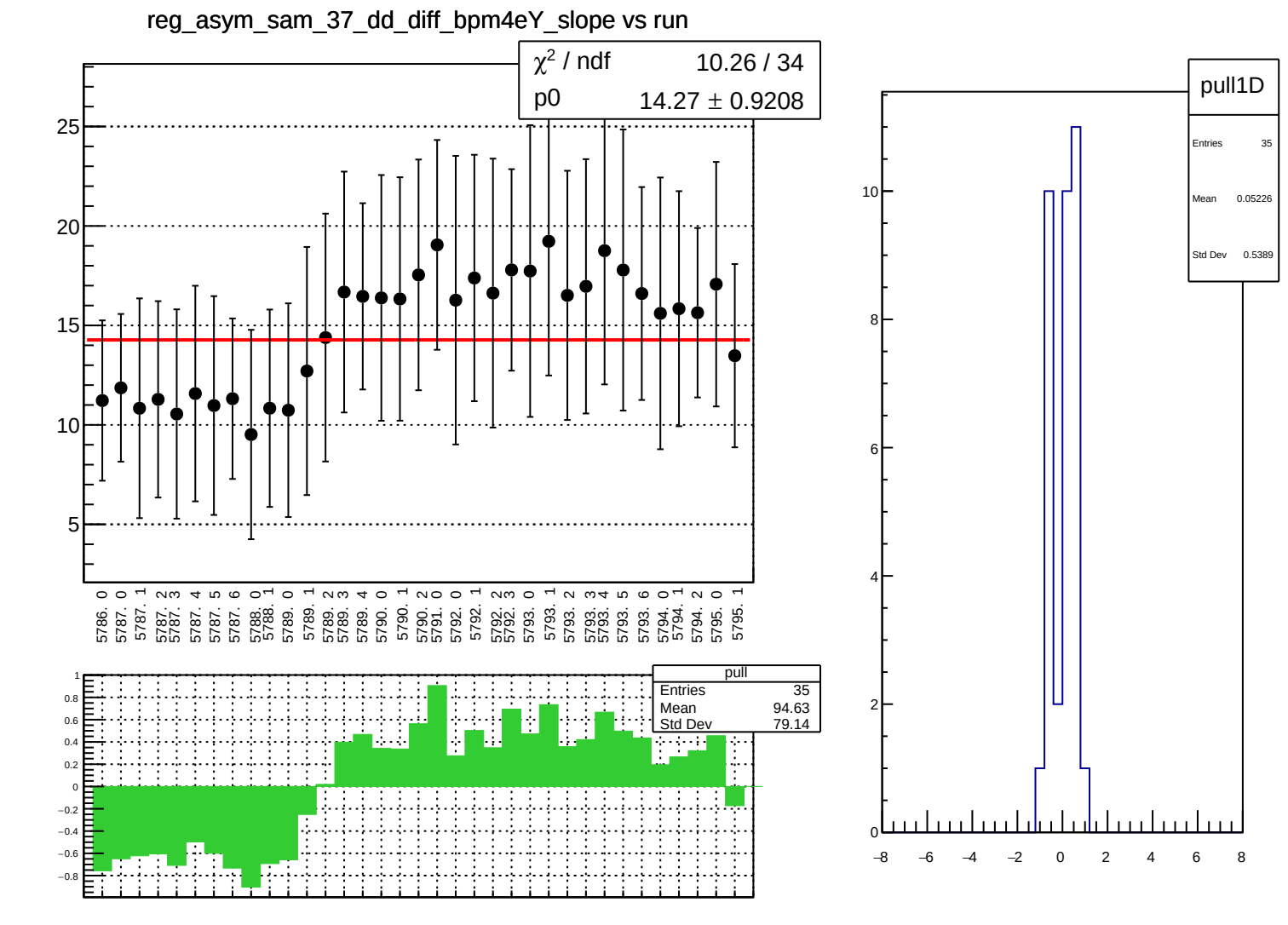

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.914 / 34
p0 −50.38 ± 1.01
−42
−44
−46
−48
−50
−52
−54
−56
−58
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −7.967
Std Dev 27.45
0.8
0.6
0.4
0.2
0
−0.2
−0.4

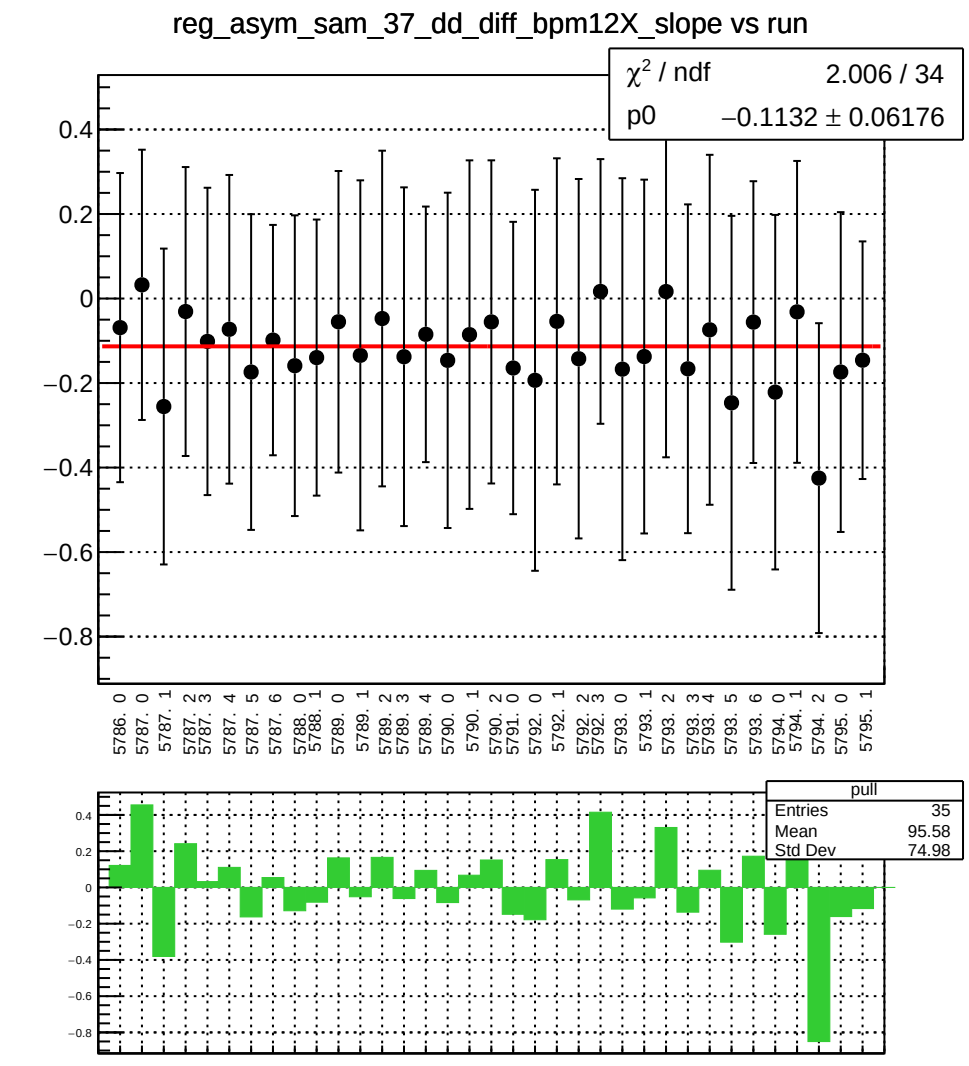

pull1D
Entries 35
Mean −0.007017
Std Dev 0.2337
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

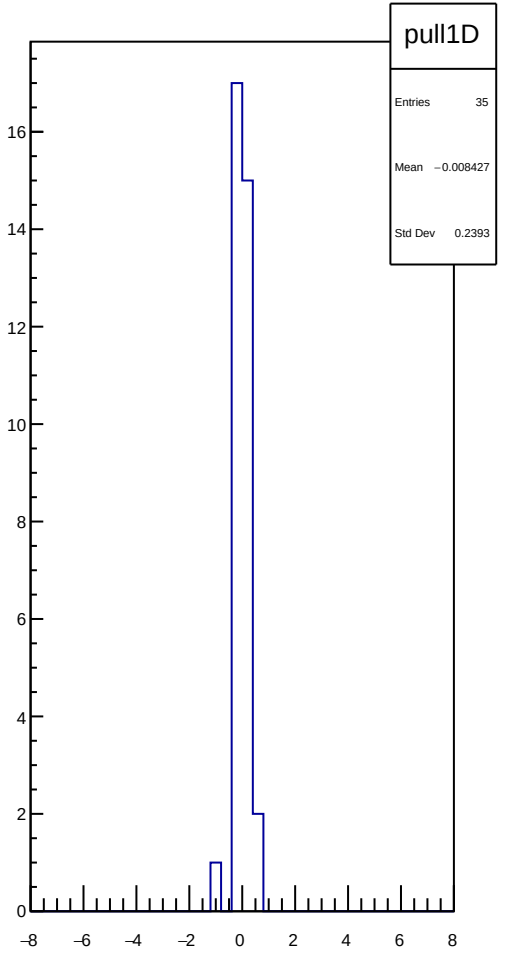

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.485 / 34
p0 −7.493 ± 0.8383
pull
Entries 35
Mean 81.56
Std Dev 66.4

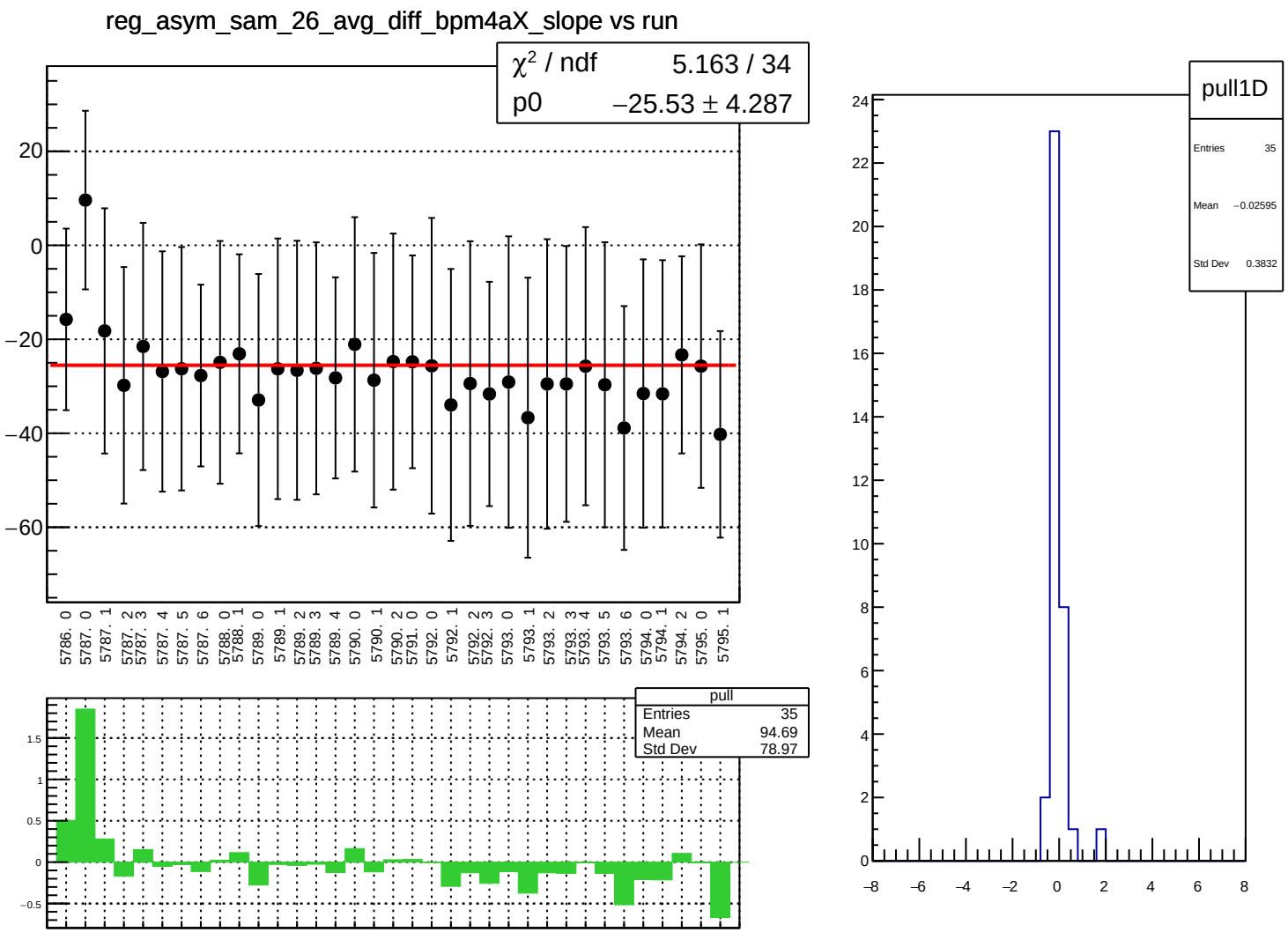

pull1D
Entries 35
Mean −0.05343
Std Dev 0.4895

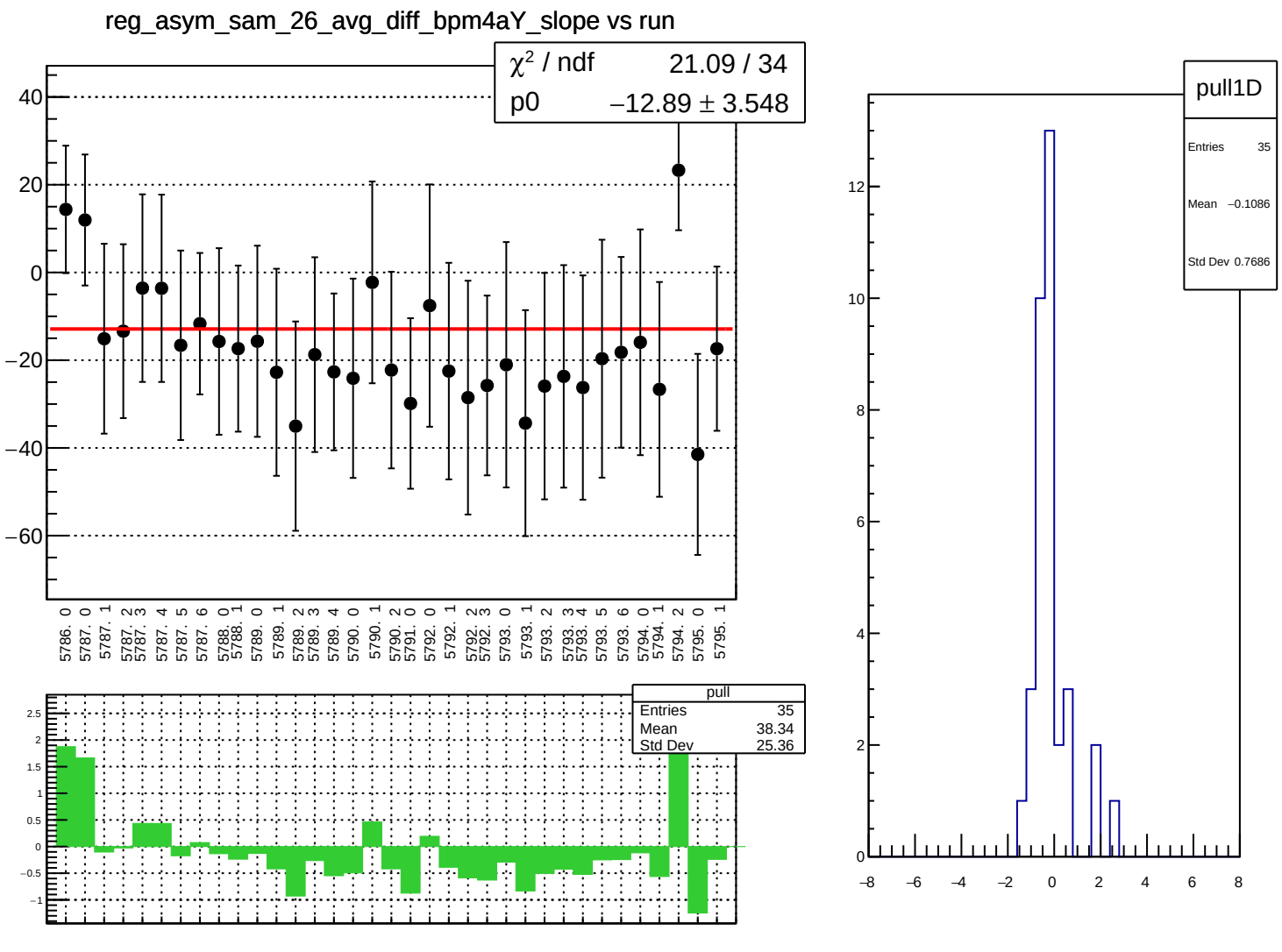

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.384 / 34
p0 16.79 ± 1.261
30
25
20
15
10
5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1285
Std Dev 1303
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.0006226
Std Dev 0.261
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

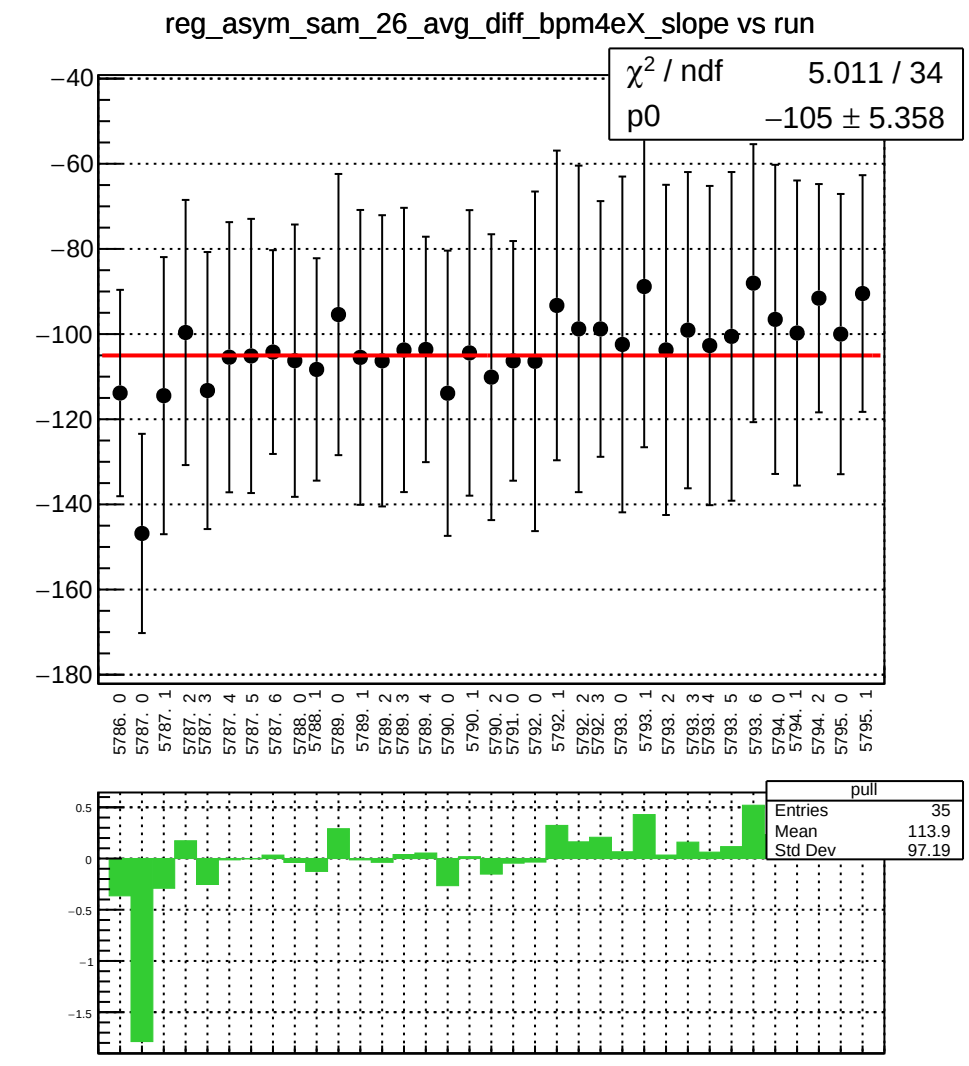

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.26 / 34
p0 14.27 ± 0.9208
pull
Entries 35
Mean 94.63
Std Dev 79.14
pull1D
Entries 35
Mean 0.05226
Std Dev 0.5389

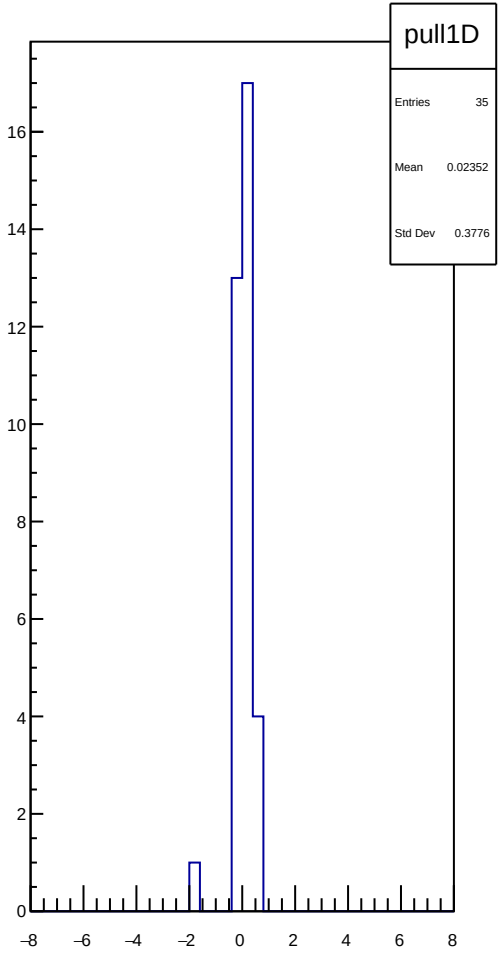

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.006 / 34
p0 −0.1132 ± 0.06176
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 95.58
Std Dev 74.98
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

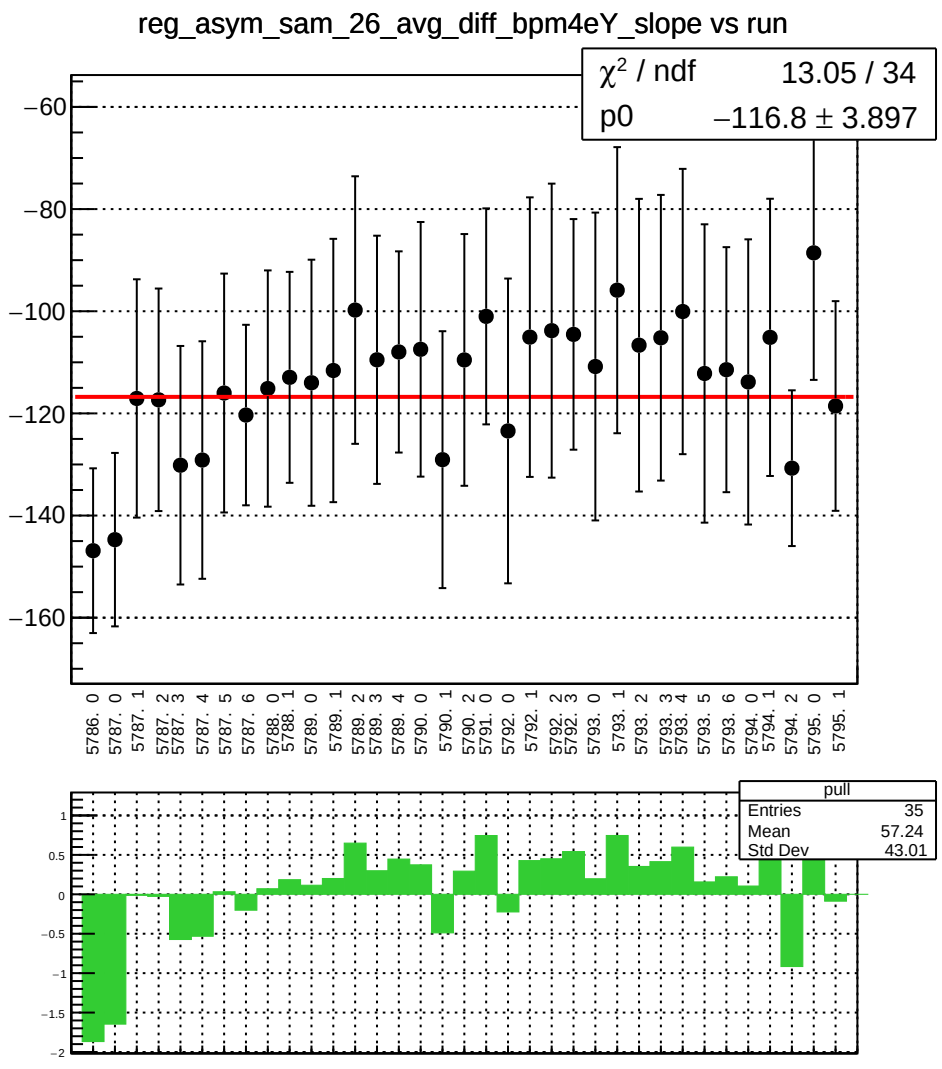

pull1D
Entries 35
Mean −0.008427
Std Dev 0.2393
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

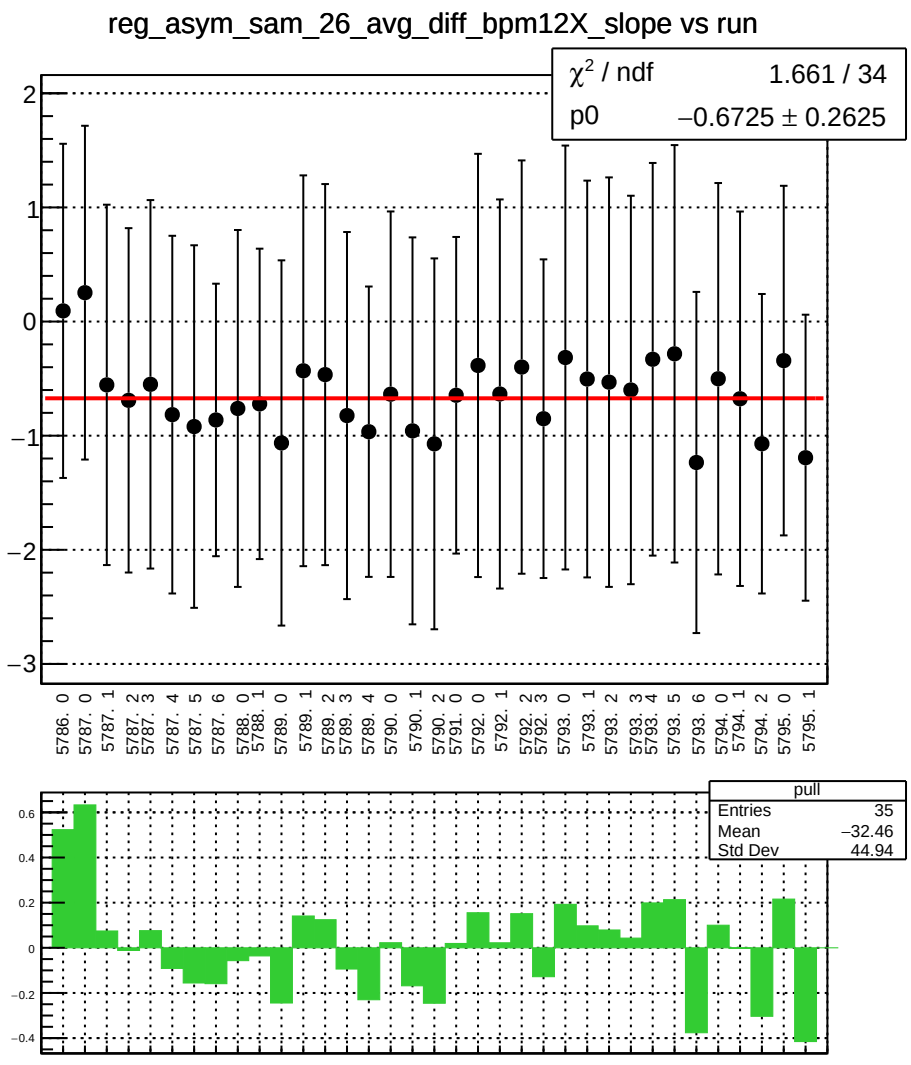

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.163 / 34
p0 −25.53 ± 4.287
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 94.69
Std Dev 78.97
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.02595
Std Dev 0.3832
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

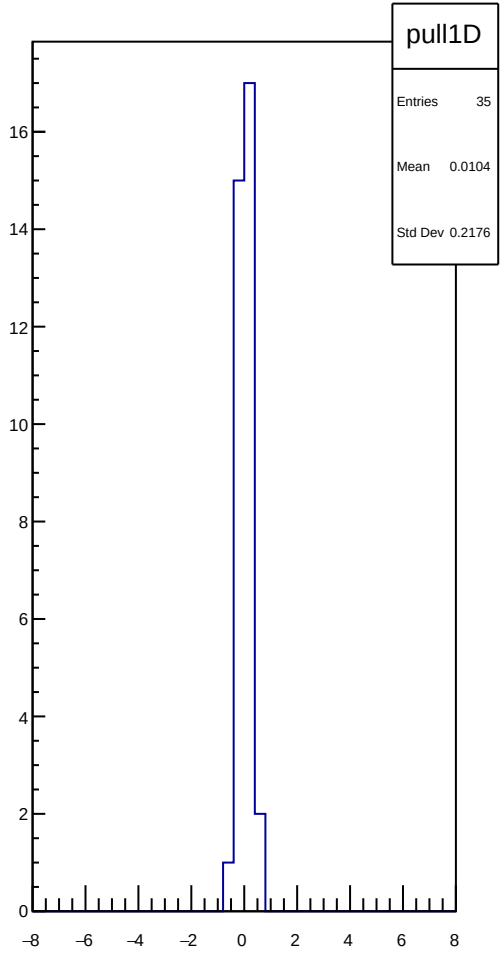

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.09 / 34
p0 −12.89 ± 3.548
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 38.34
Std Dev 25.36
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.1086
Std Dev 0.7686
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

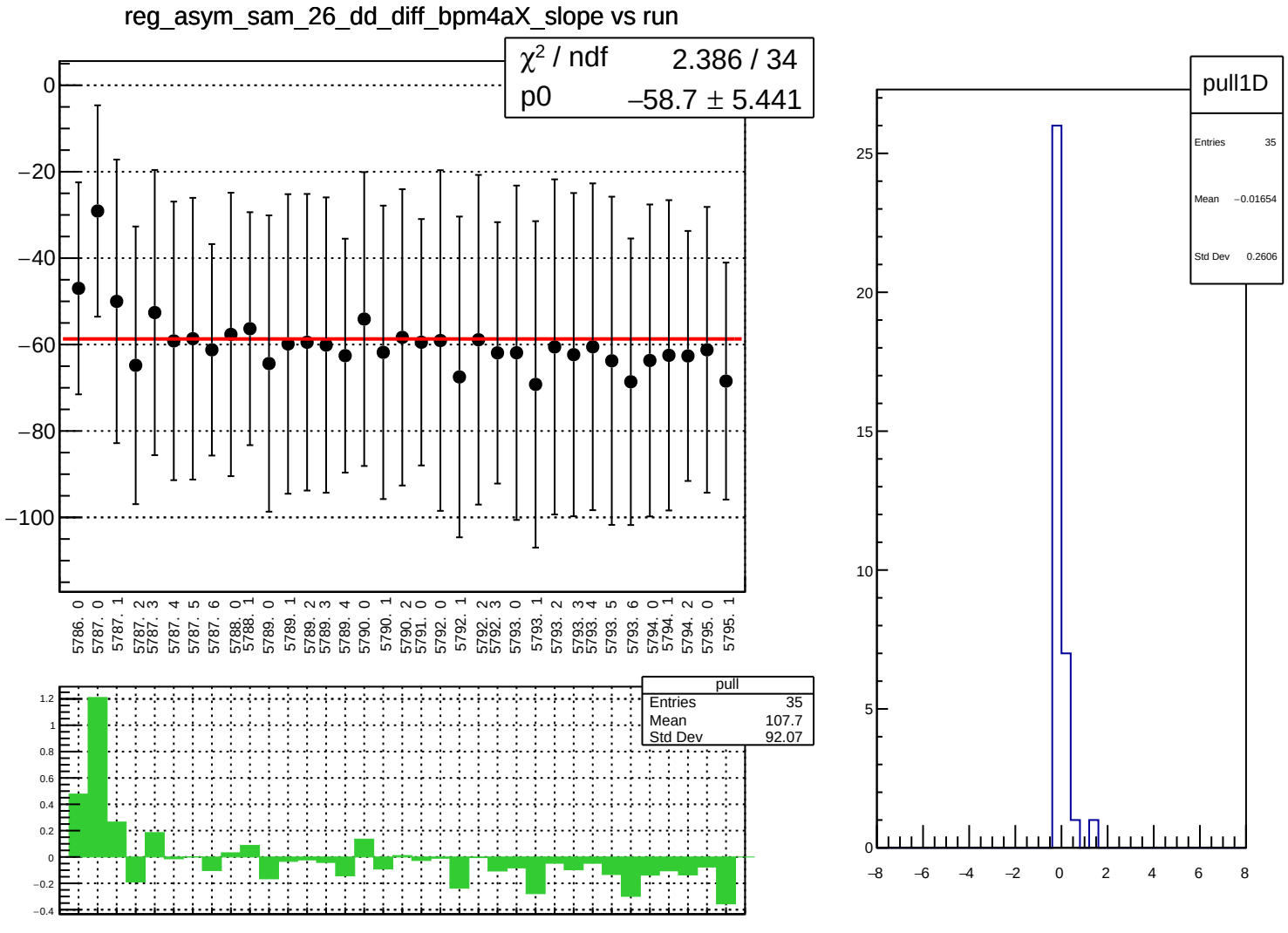

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.011 / 34
p0 −105 ± 5.358
pull
Entries 35
Mean 113.9
Std Dev 97.19

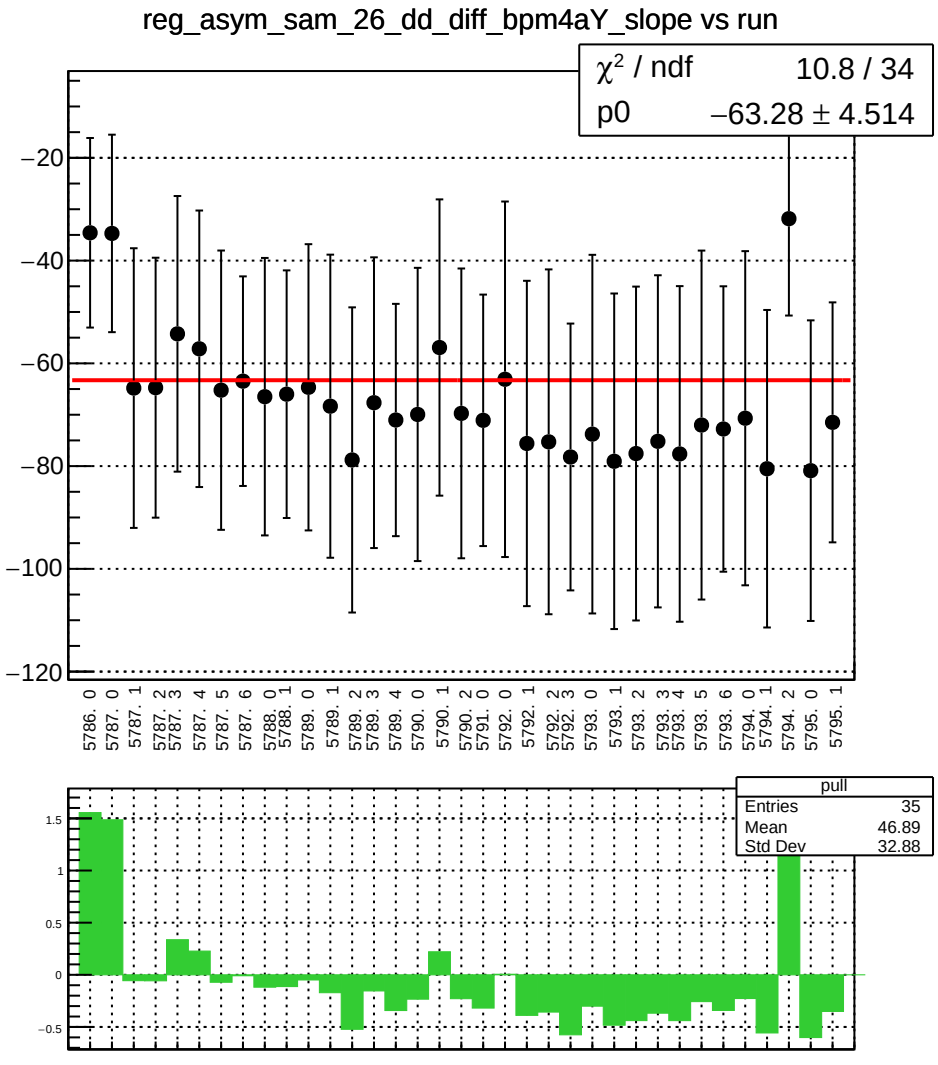

pull1D
Entries 35
Mean 0.02352
Std Dev 0.3776

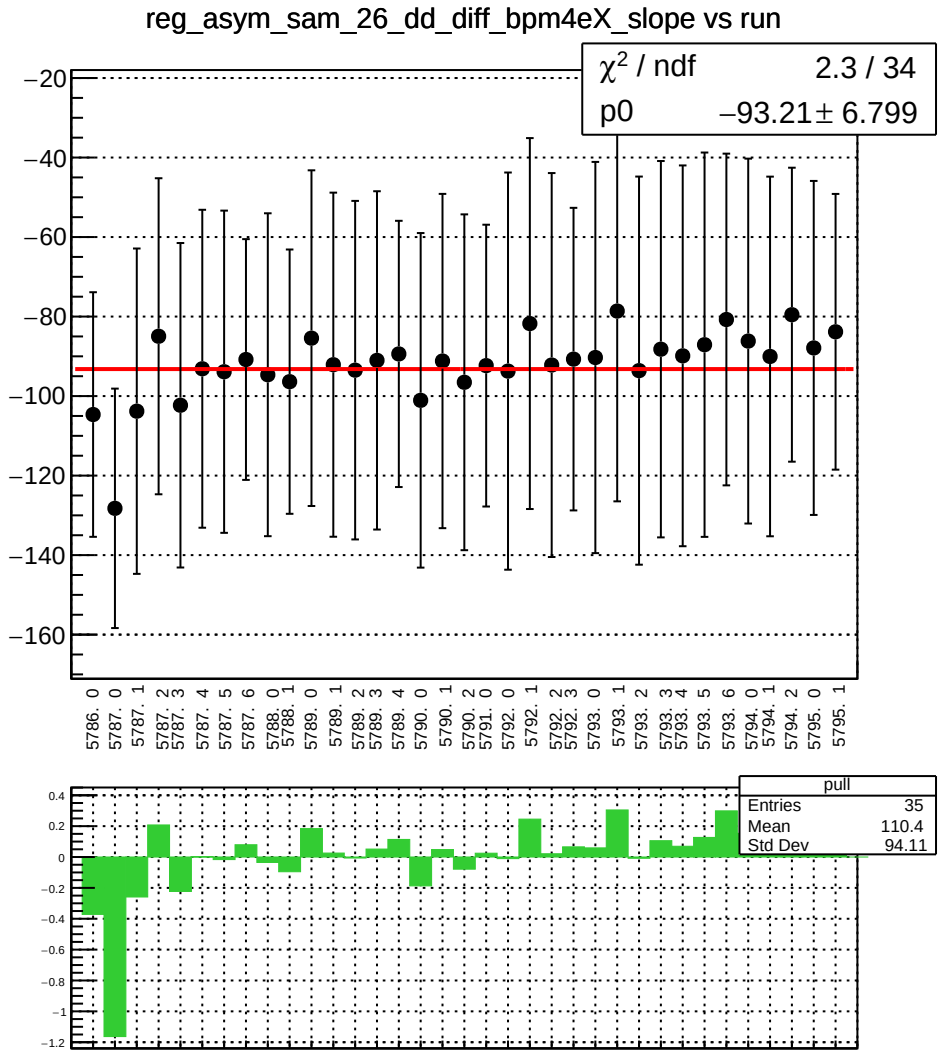

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.05 / 34
p0 −116.8 ± 3.897
−60
−80
−100
−120
−140
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 57.24
Std Dev 43.01
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.07456
Std Dev 0.6061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

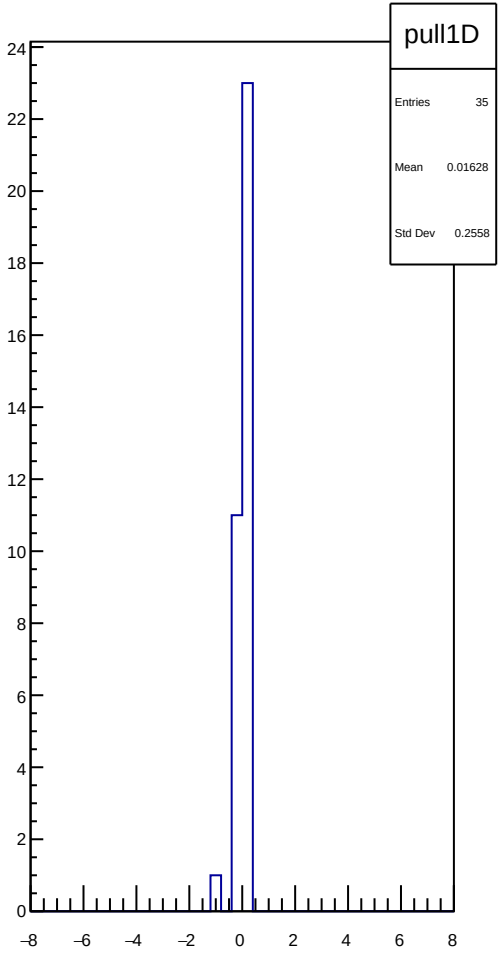

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.661 / 34
p0 −0.6725 ± 0.2625
pull
Entries 35
Mean −32.46
Std Dev 44.94

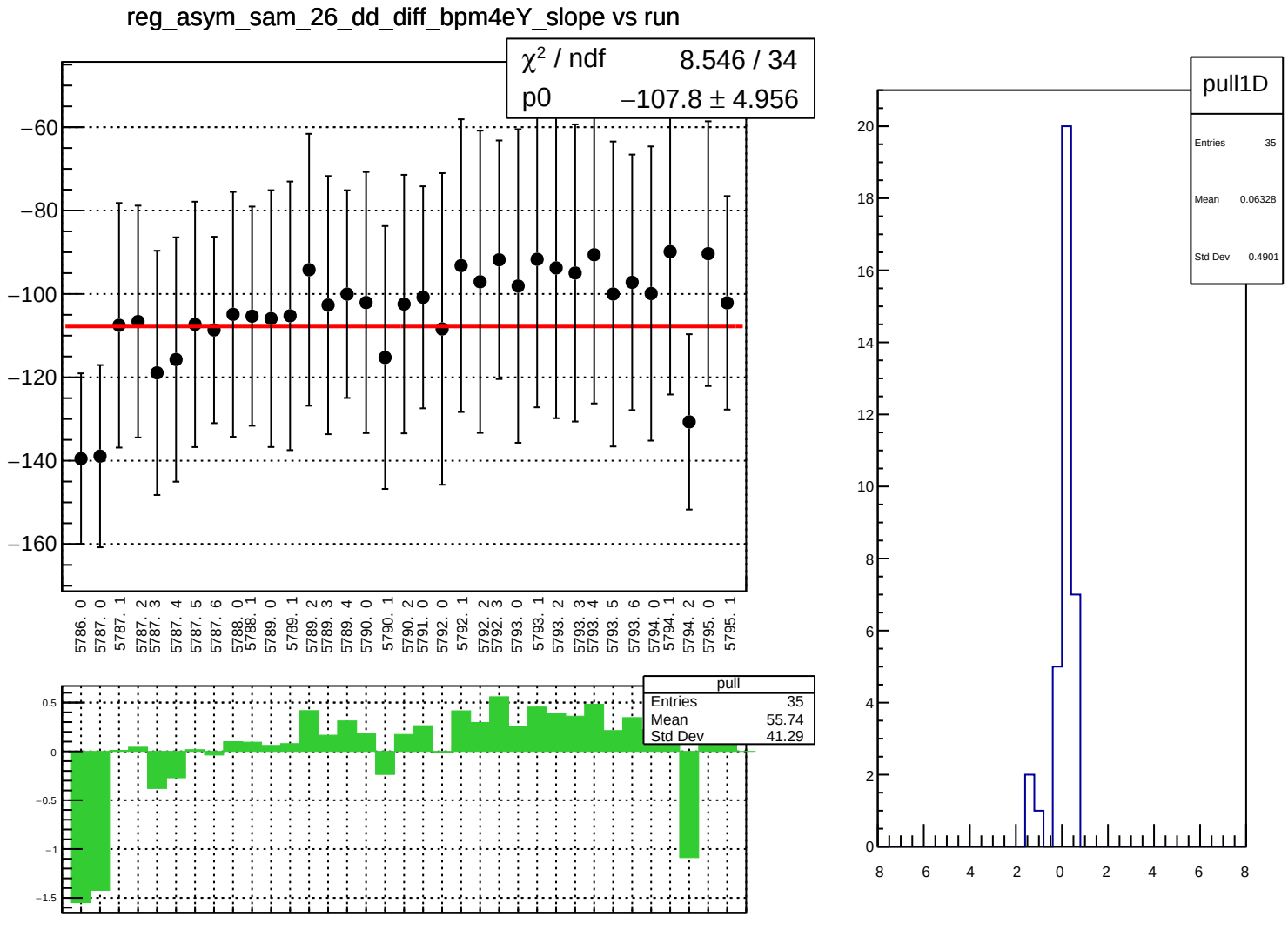

pull1D
Entries 35
Mean 0.0104
Std Dev 0.2176

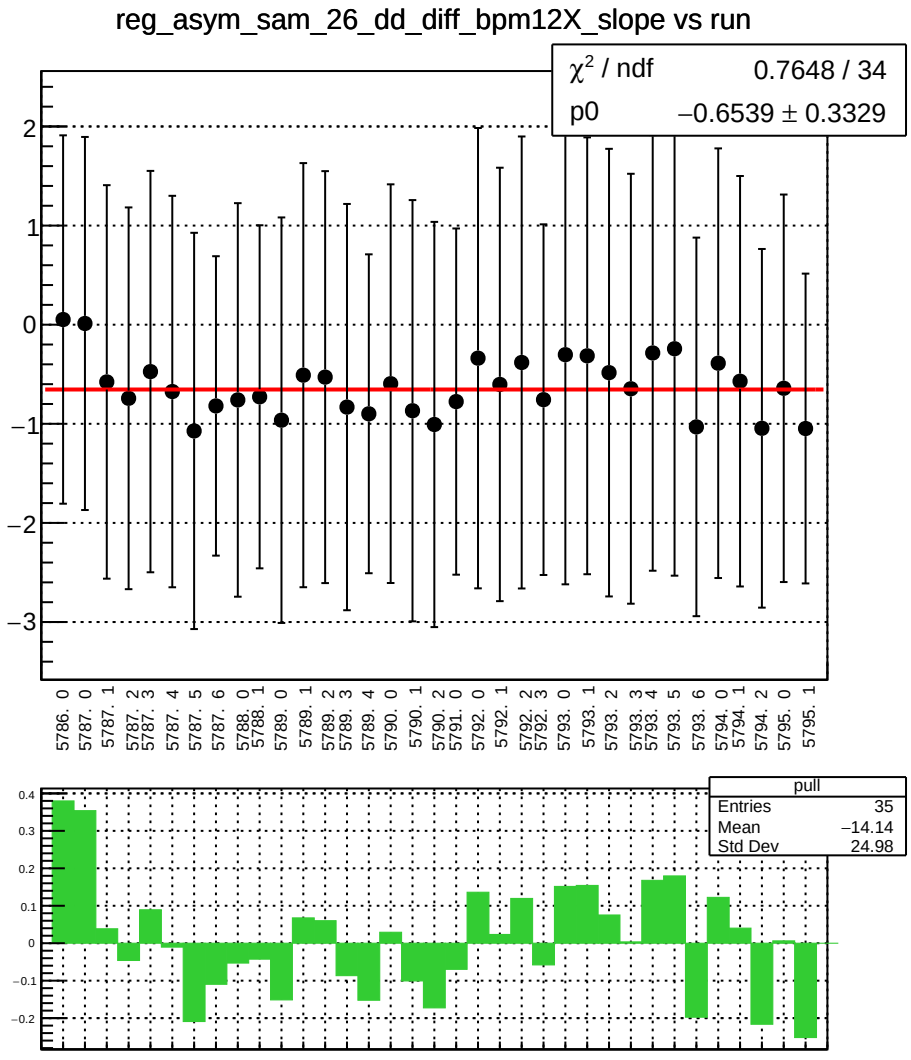

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.386 / 34
p0 −58.7 ± 5.441
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 107.7
Std Dev 92.07
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.01654
Std Dev 0.2606
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

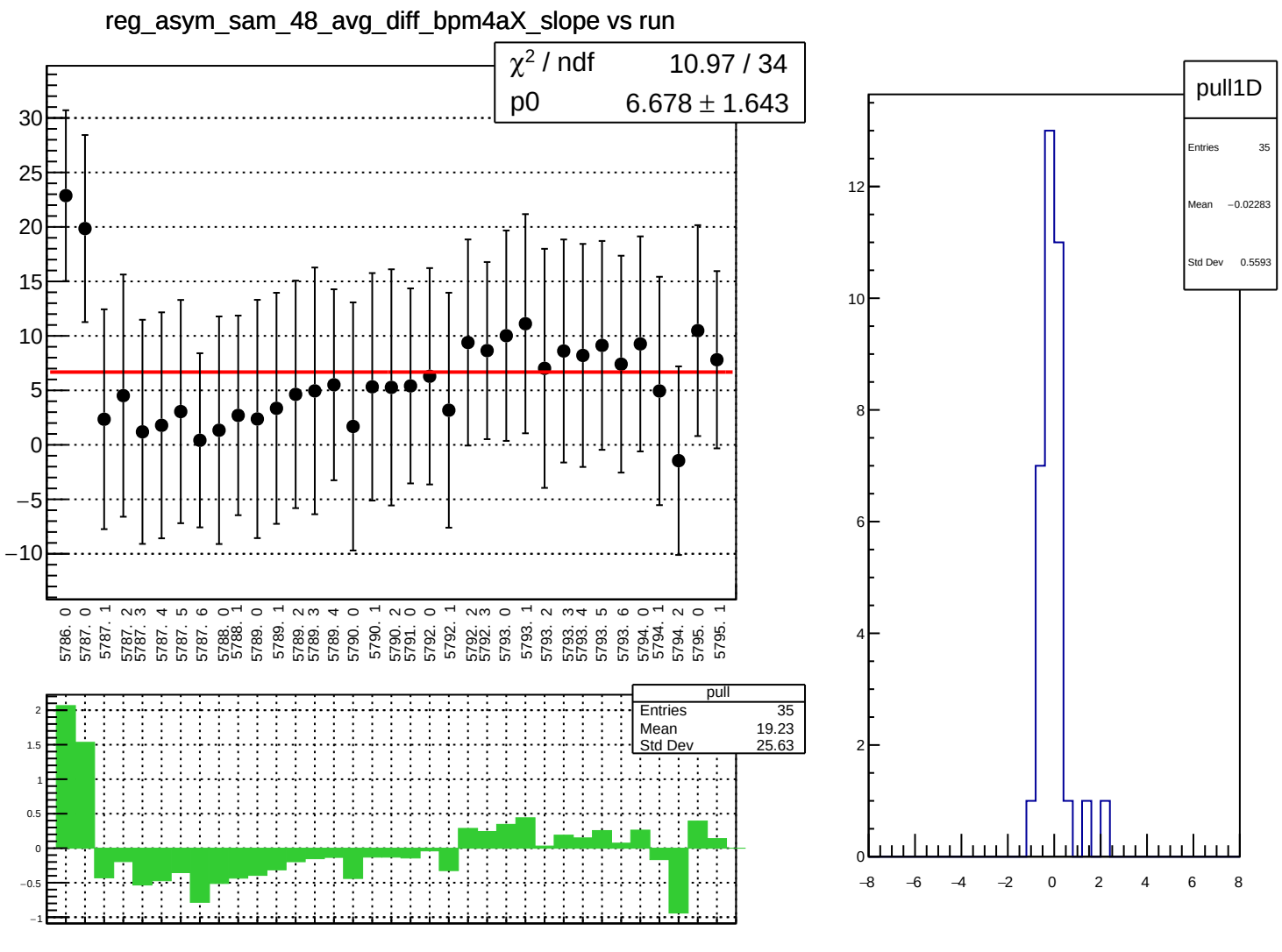

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 34
p0 −63.28 ± 4.514
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 46.89
Std Dev 32.88
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.07527
Std Dev 0.5505
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

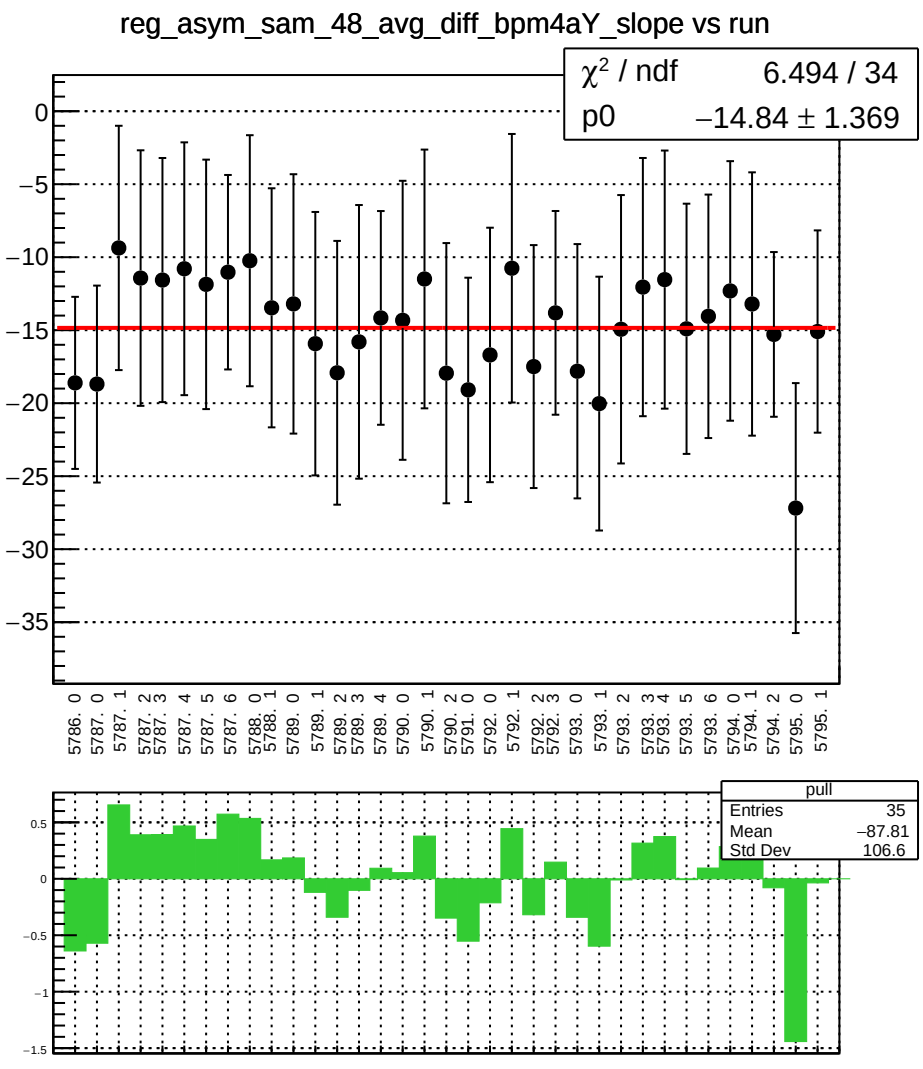

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.3 / 34
p0 −93.21 ± 6.799
pull
Entries 35
Mean 110.4
Std Dev 94.11

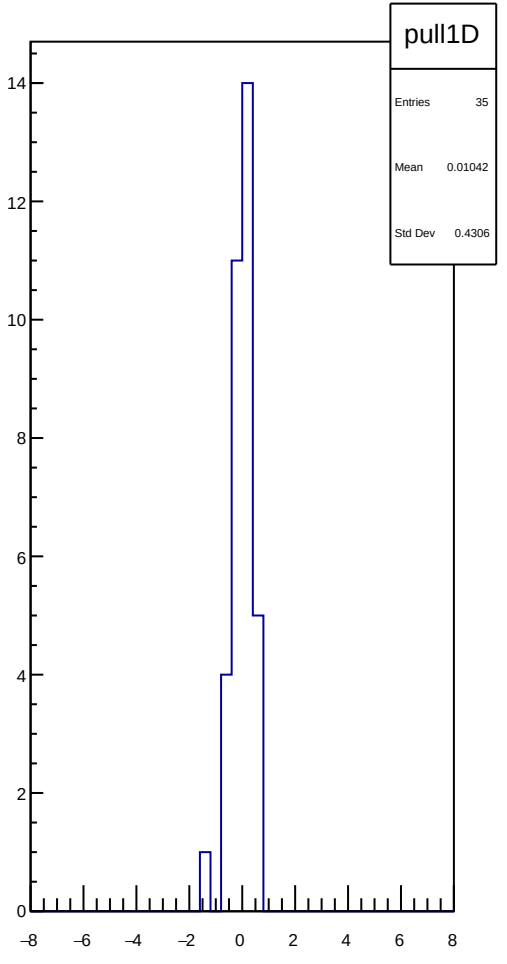

pull1D
Entries 35
Mean 0.01628
Std Dev 0.2558

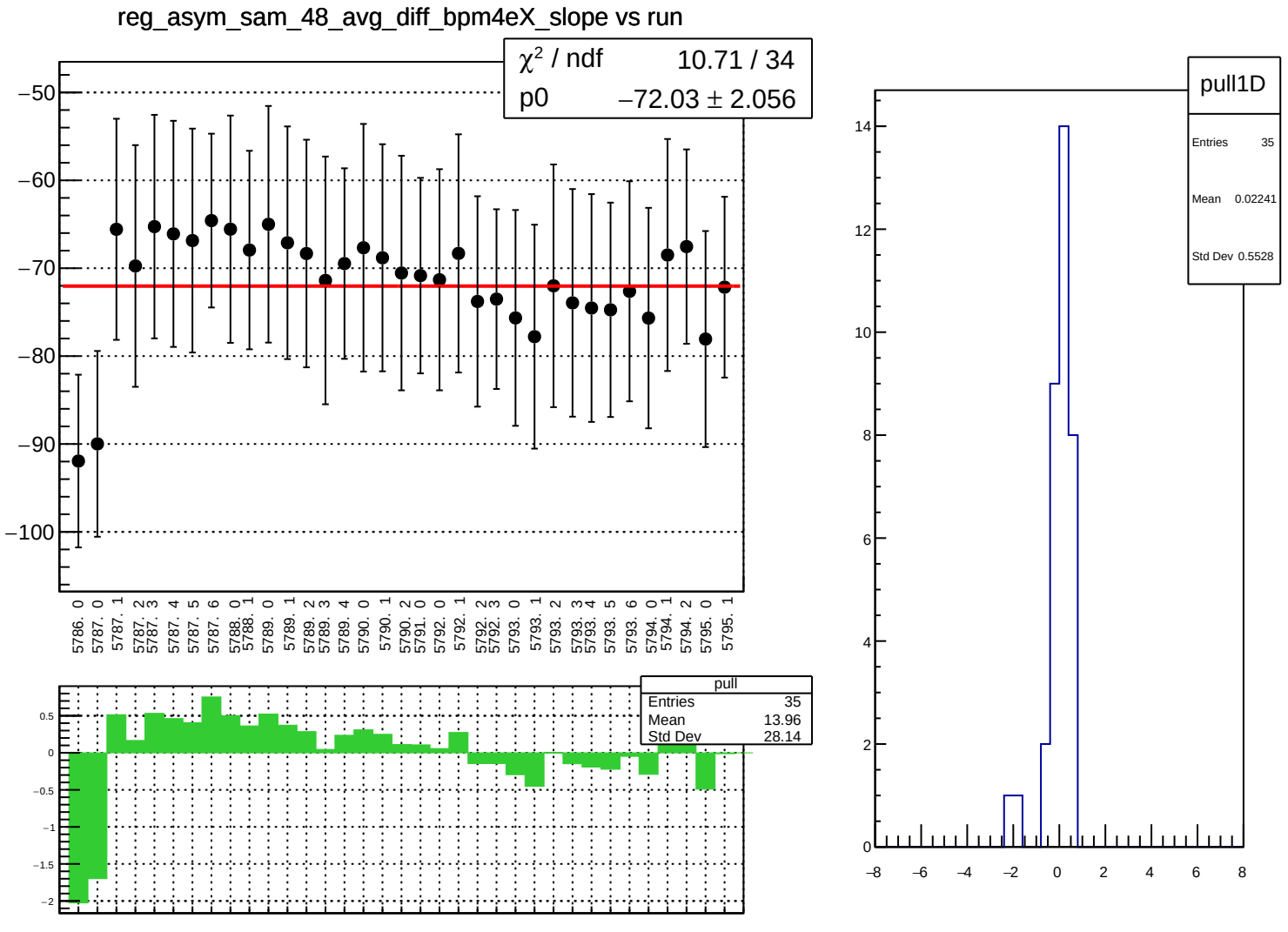

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.546 / 34
p0 −107.8 ± 4.956
−60
−80
−100
−120
−140
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 55.74
Std Dev 41.29
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.06328
Std Dev 0.4901
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

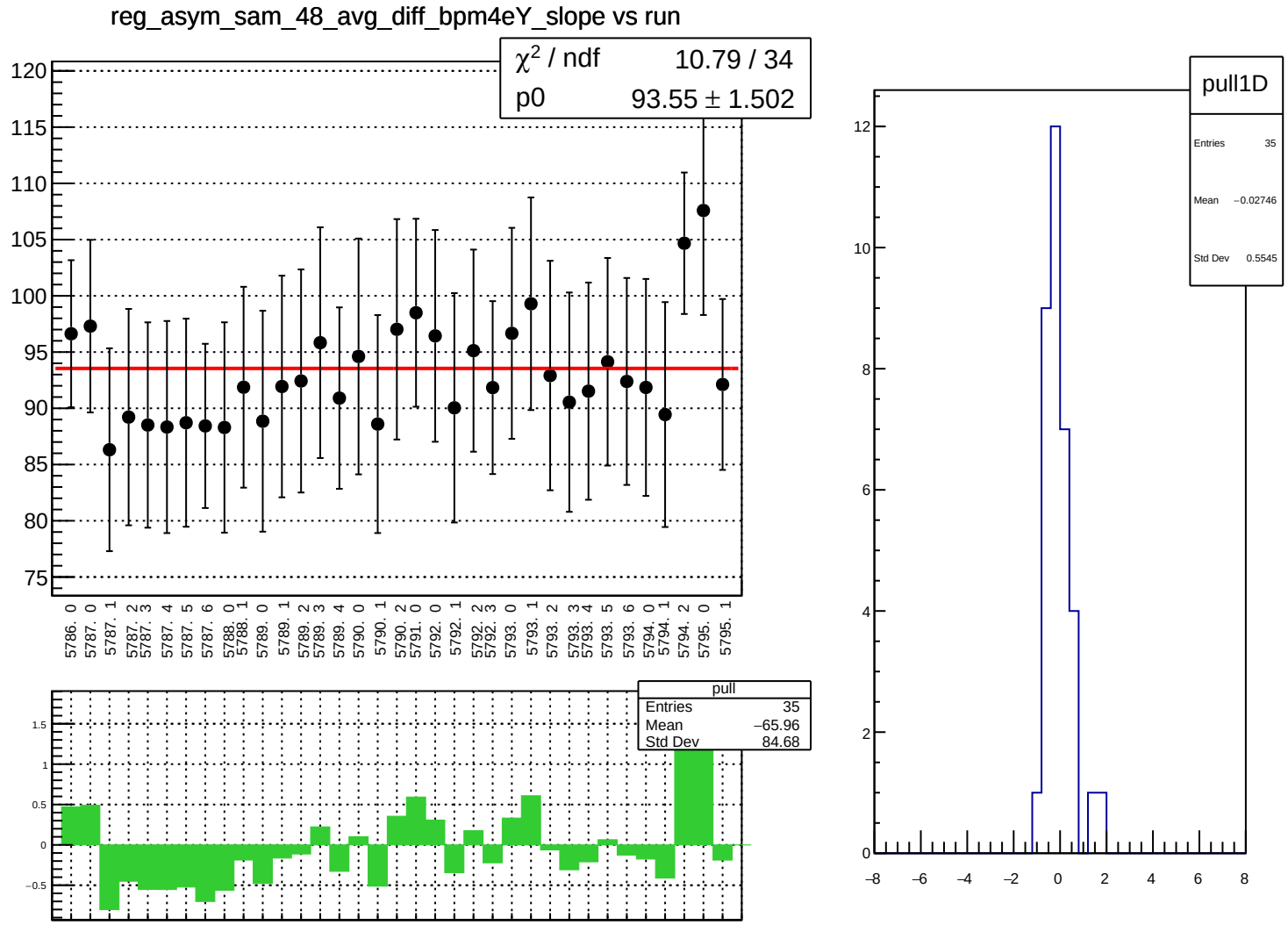

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7648 / 34
p0 −0.6539 ± 0.3329
pull
Entries 35
Mean −14.14
Std Dev 24.98
pull1D
Entries 35
Mean 0.007748
Std Dev 0.1476

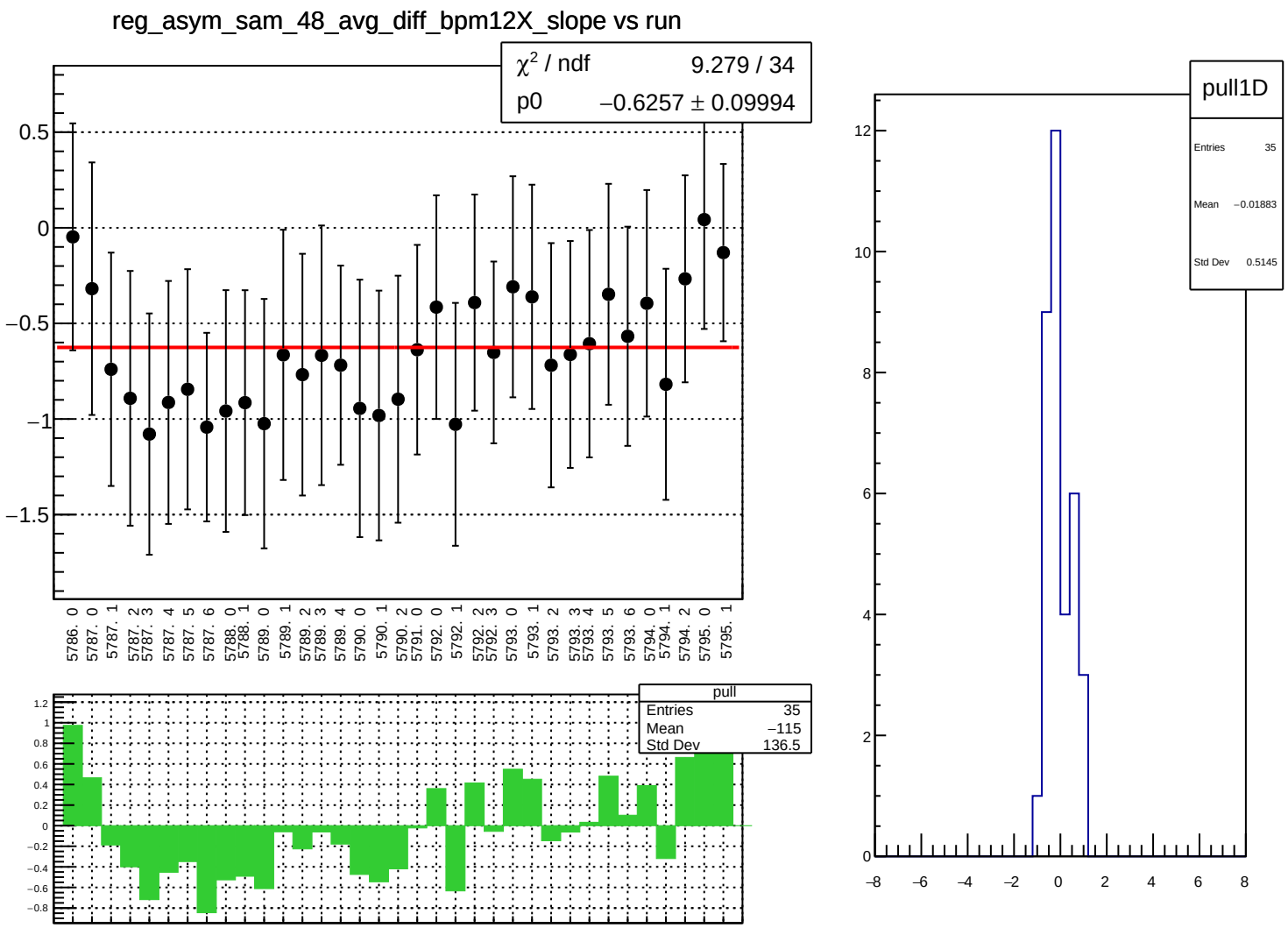

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.97 / 34
p0 6.678 ± 1.643
30
25
20
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 19.23
Std Dev 25.63
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.02283
Std Dev 0.5593
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

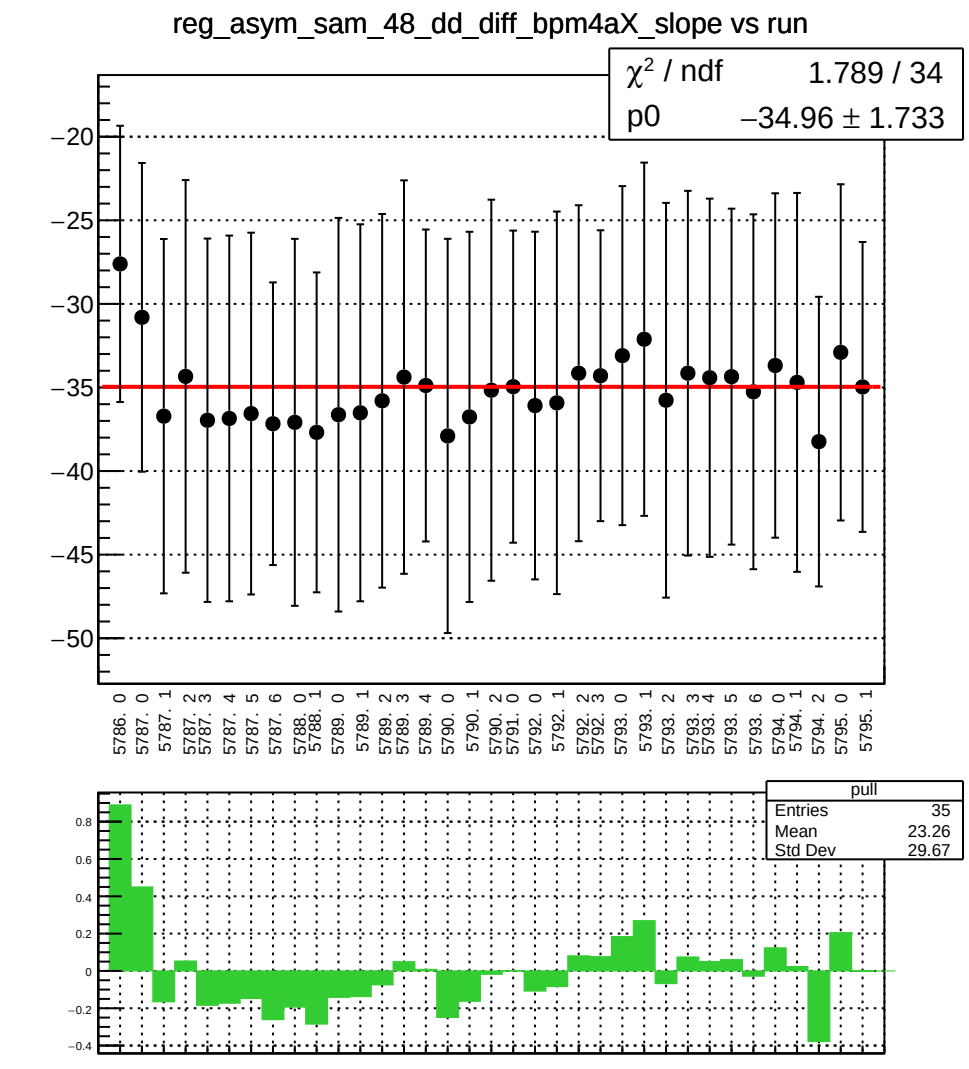

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.494 / 34
p0 −14.84 ± 1.369
0
−5
−10
−15
−20
−25
−30
−35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −87.81
Std Dev 106.6
0.5
0
−0.5
−1
−1.5

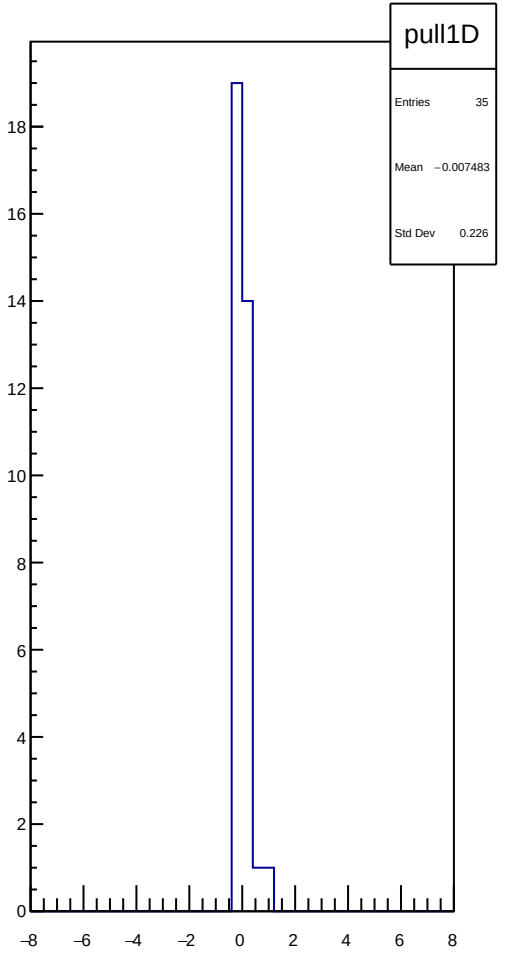

pull1D
Entries 35
Mean 0.01042
Std Dev 0.4306
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

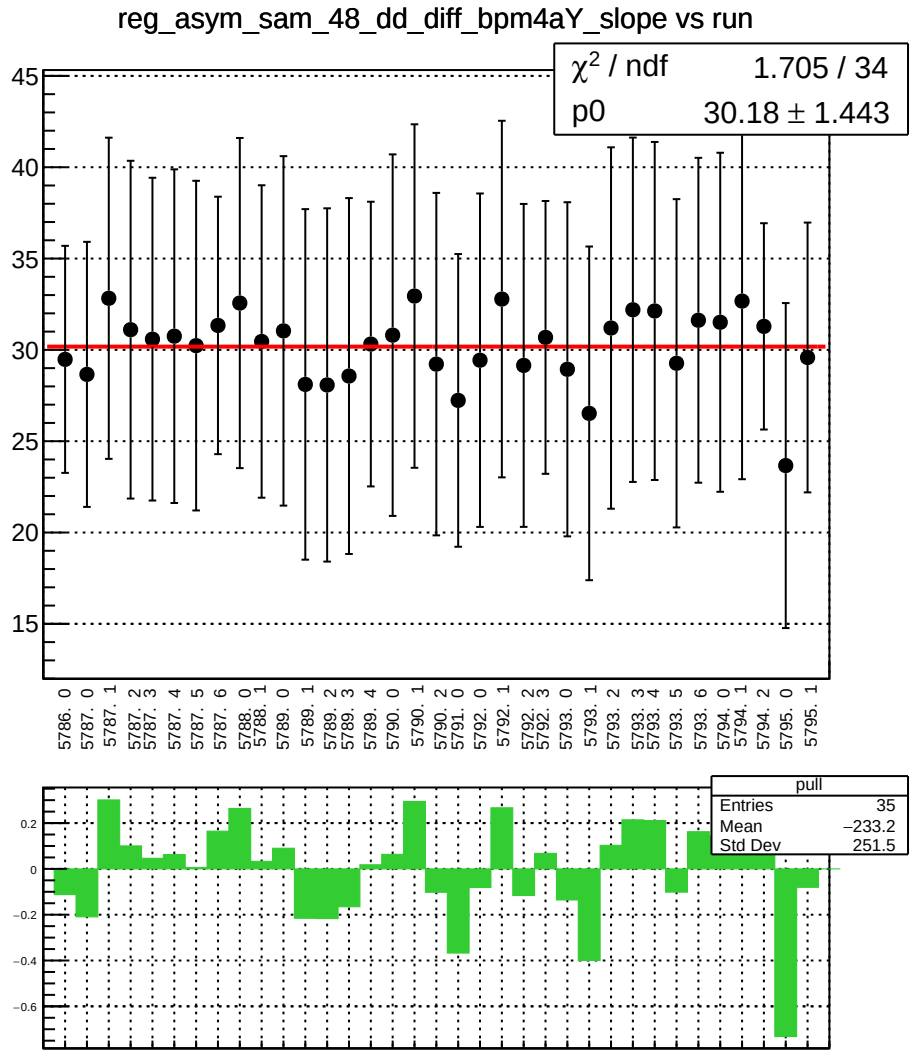

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.71 / 34
p0 −72.03 ± 2.056
pull
Entries 35
Mean 13.96
Std Dev 28.14
pull1D
Entries 35
Mean 0.02241
Std Dev 0.5528

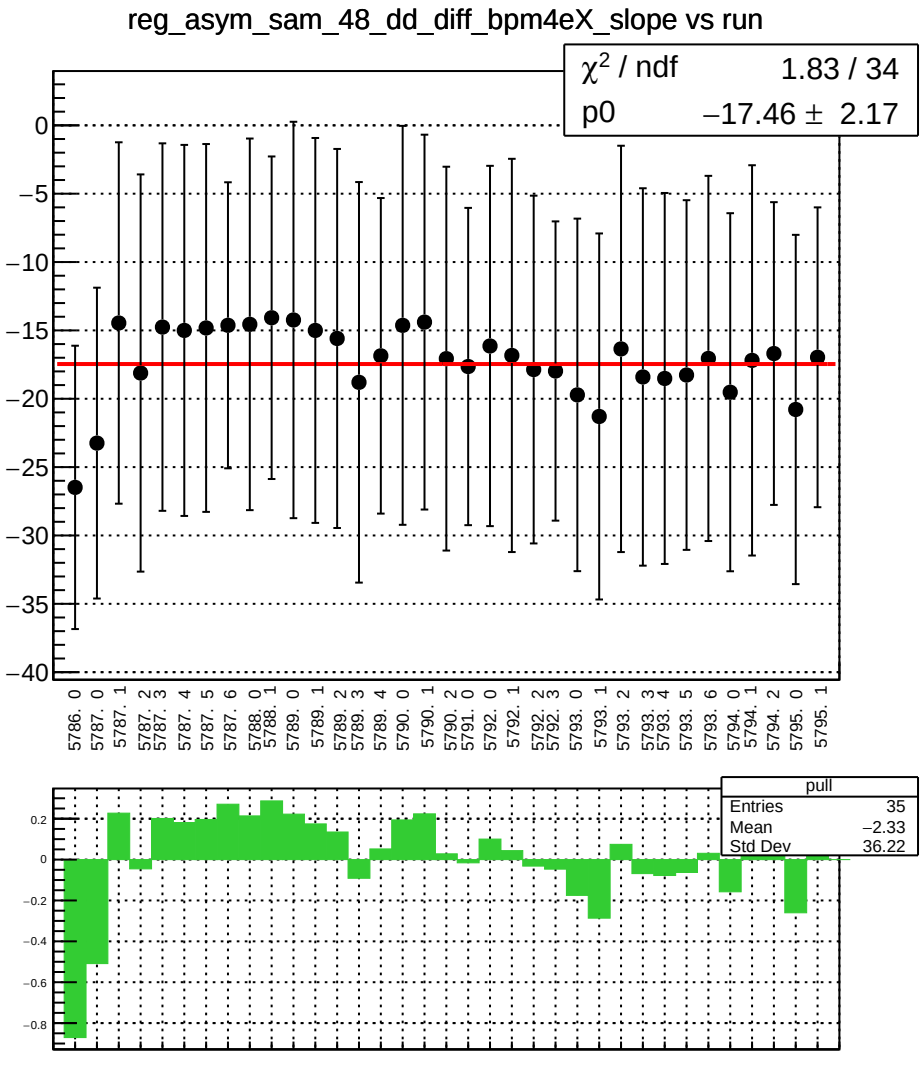

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.79 / 34
p0 93.55 ± 1.502
120
115
110
105
100
95
90
85
80
75
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −65.96
Std Dev 84.68
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.02746
Std Dev 0.5545
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

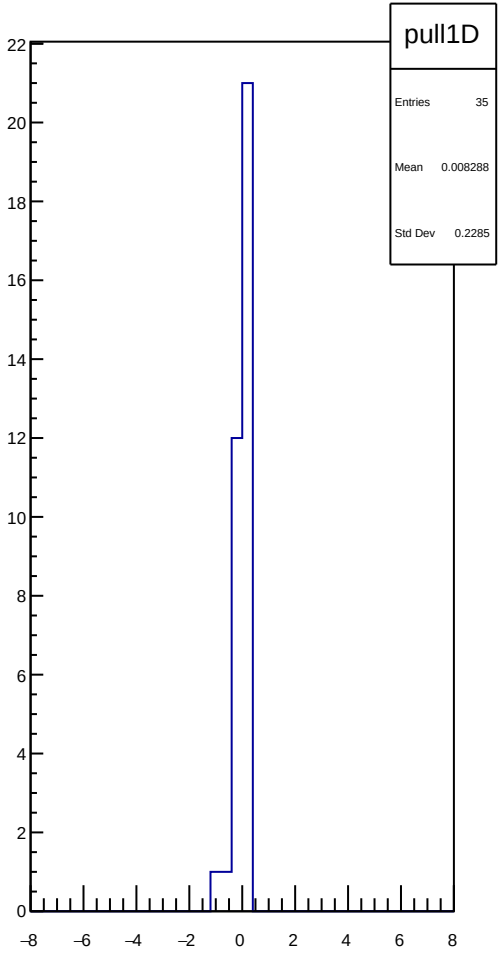

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 9.279 / 34
p0 −0.6257 ± 0.09994
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −115
Std Dev 136.5
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.01883
Std Dev 0.5145
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

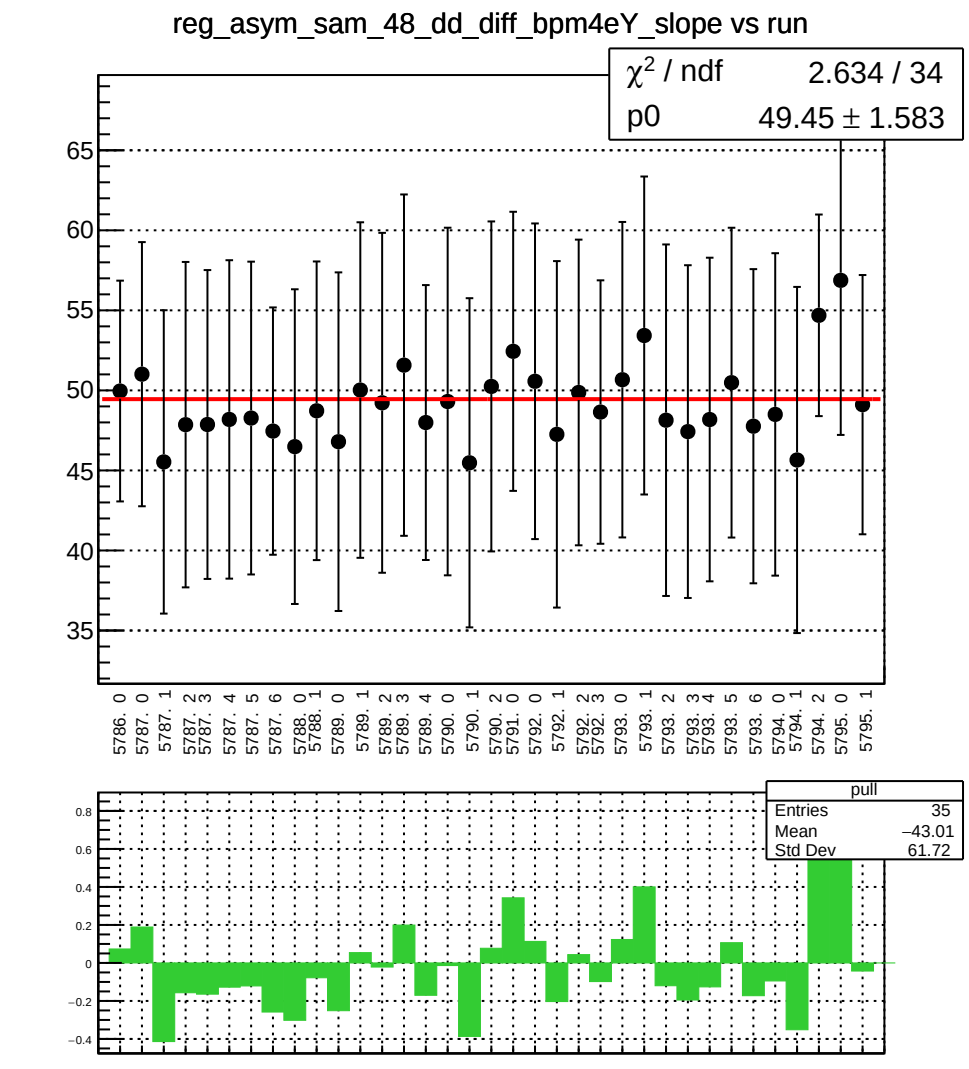

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.789 / 34
p0 −34.96 ± 1.733
−20
−25
−30
−35
−40
−45
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 23.26
Std Dev 29.67
0.8
0.6
0.4
0.2
0
−0.2
−0.4

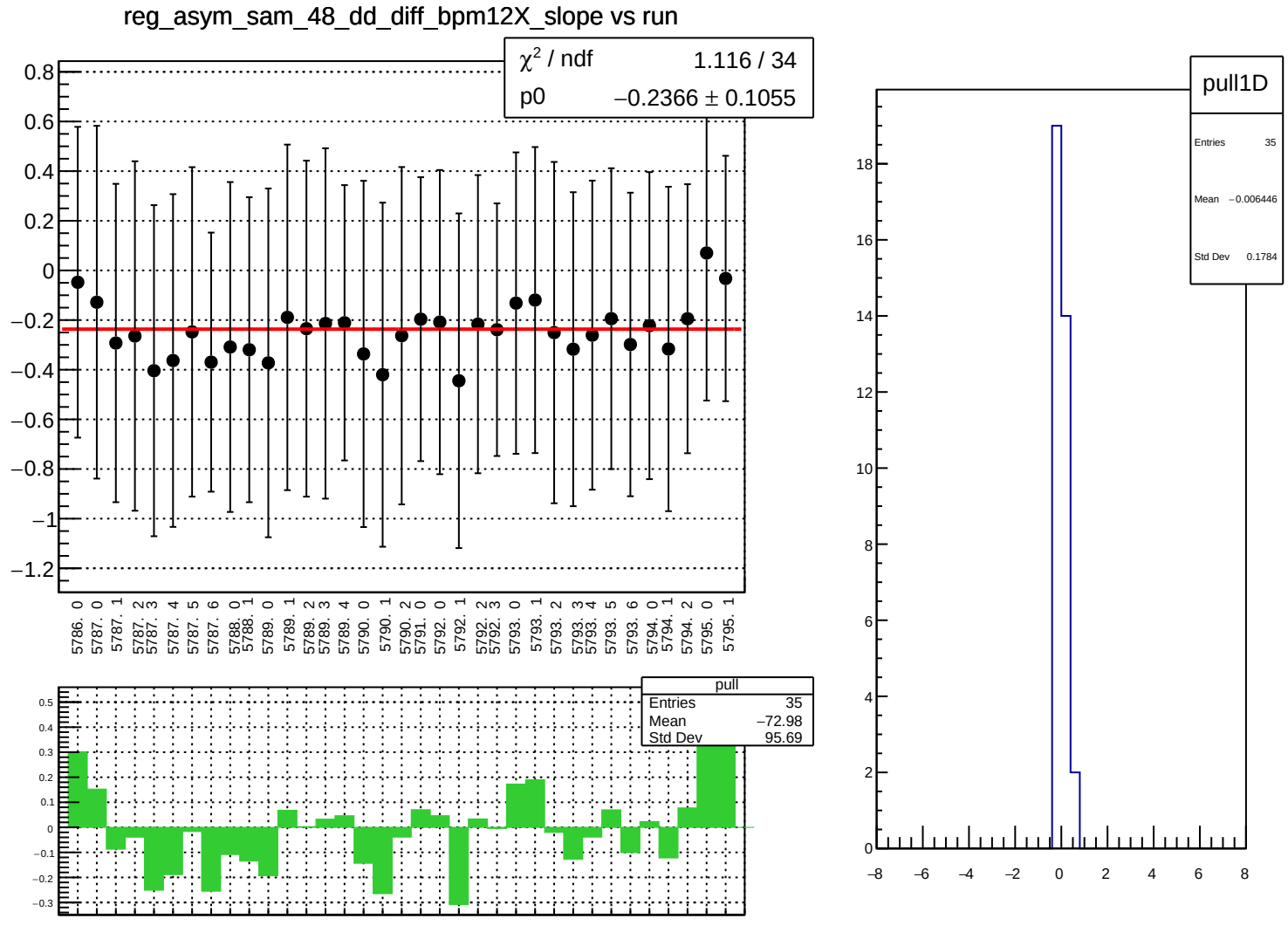

pull1D
Entries 35
Mean −0.007483
Std Dev 0.226
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

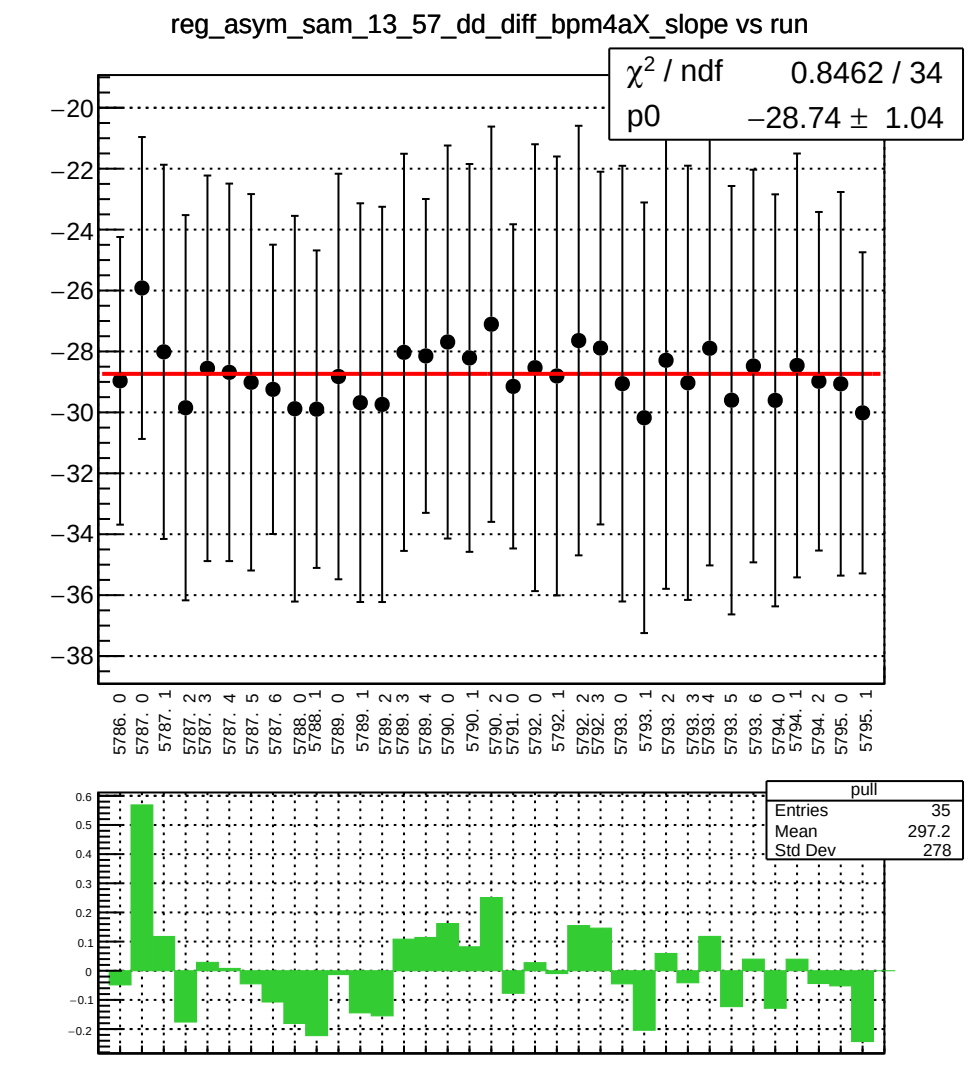

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.705 / 34
p0 30.18 ± 1.443
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −233.2
Std Dev 251.5
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean 0.0007867
Std Dev 0.2207
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

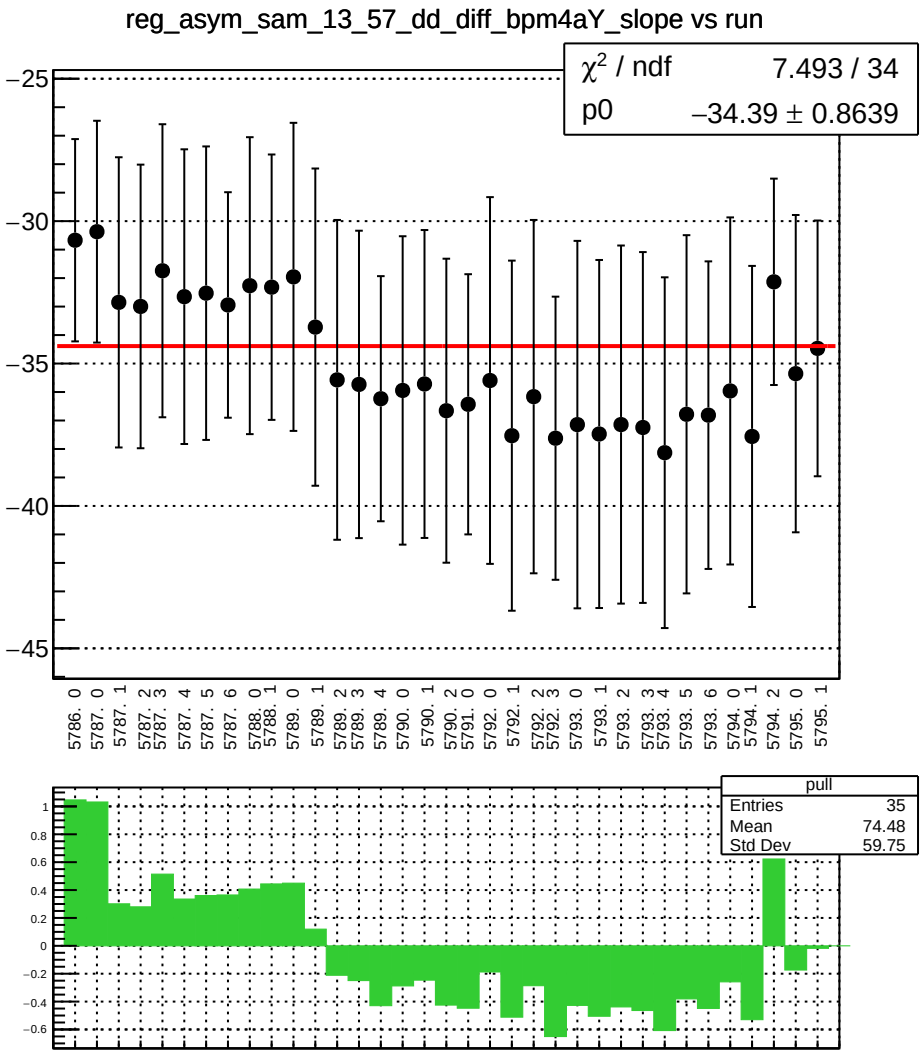

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.83 / 34
p0 −17.46 ± 2.17
pull
Entries 35
Mean −2.33
Std Dev 36.22

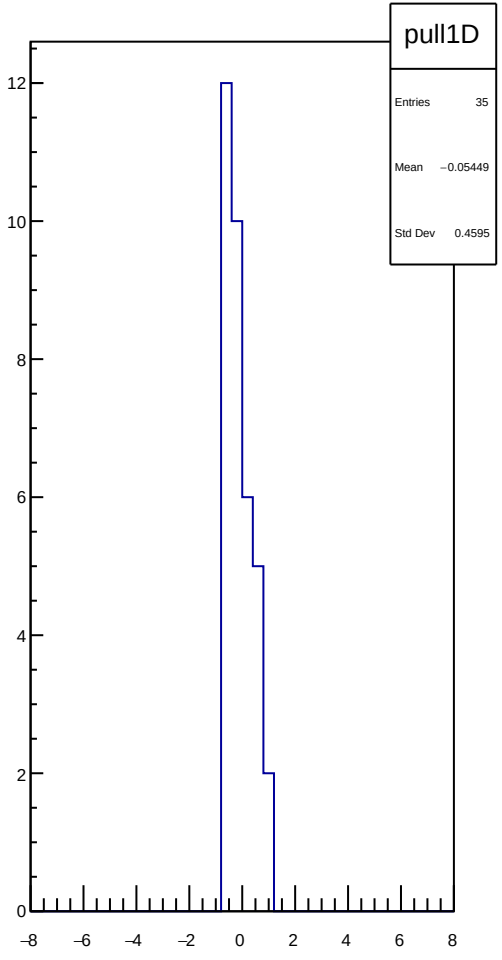

pull1D
Entries 35
Mean 0.008288
Std Dev 0.2285

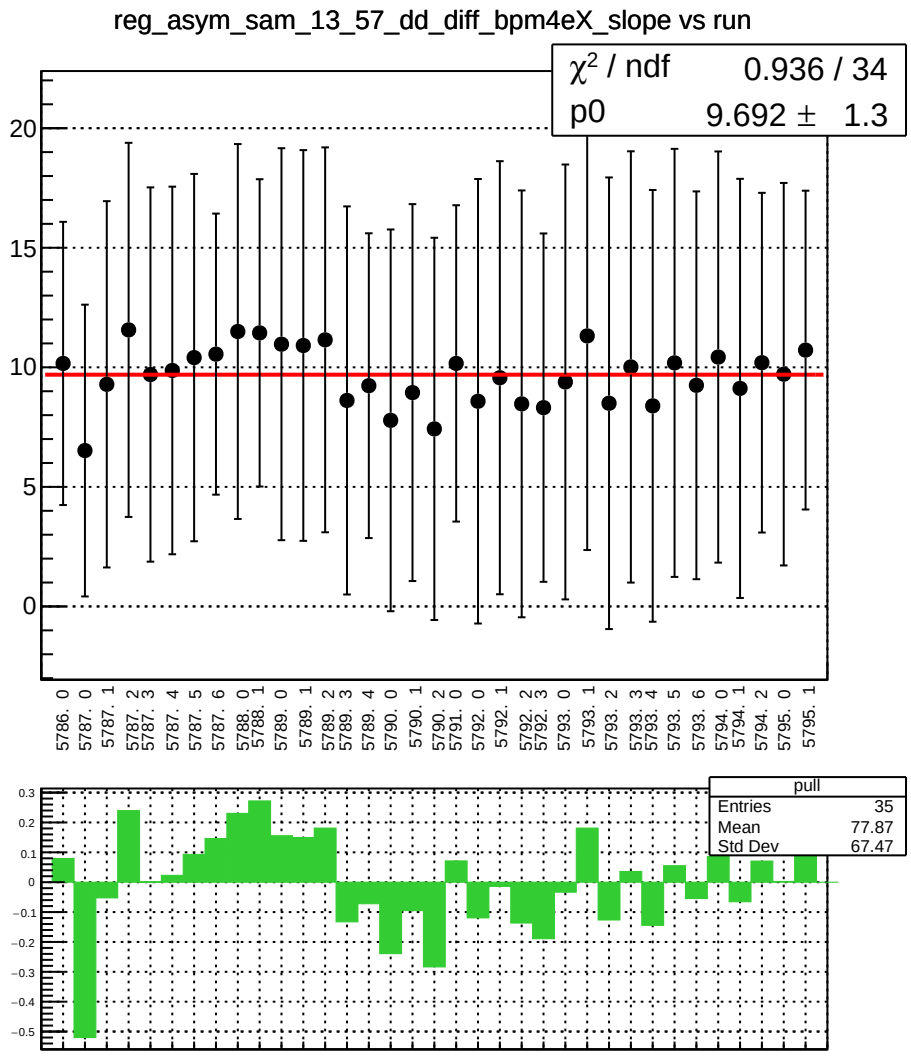

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.634 / 34
p0 49.45 ± 1.583
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −43.01
Std Dev 61.72
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean −0.01555
Std Dev 0.2739
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

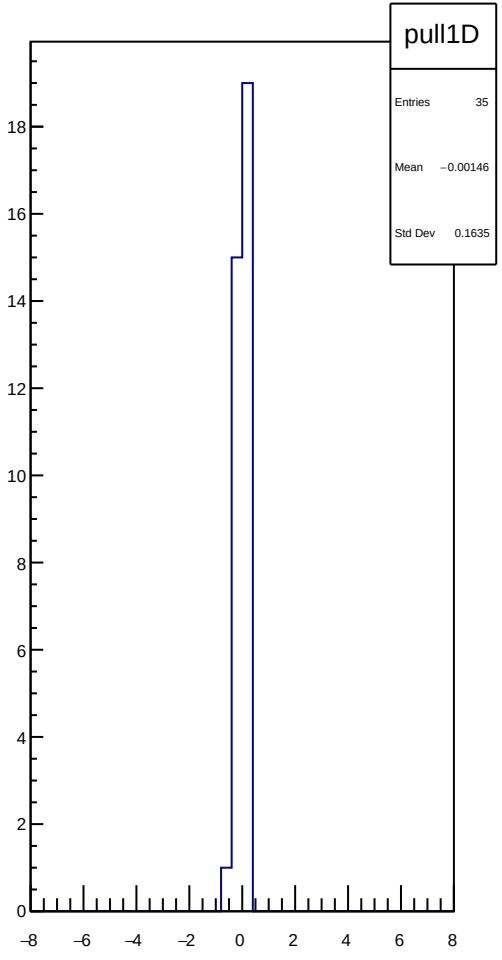

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.116 / 34
p0 −0.2366 ± 0.1055
pull
Entries 35
Mean −72.98
Std Dev 95.69
pull1D
Entries 35
Mean −0.006446
Std Dev 0.1784

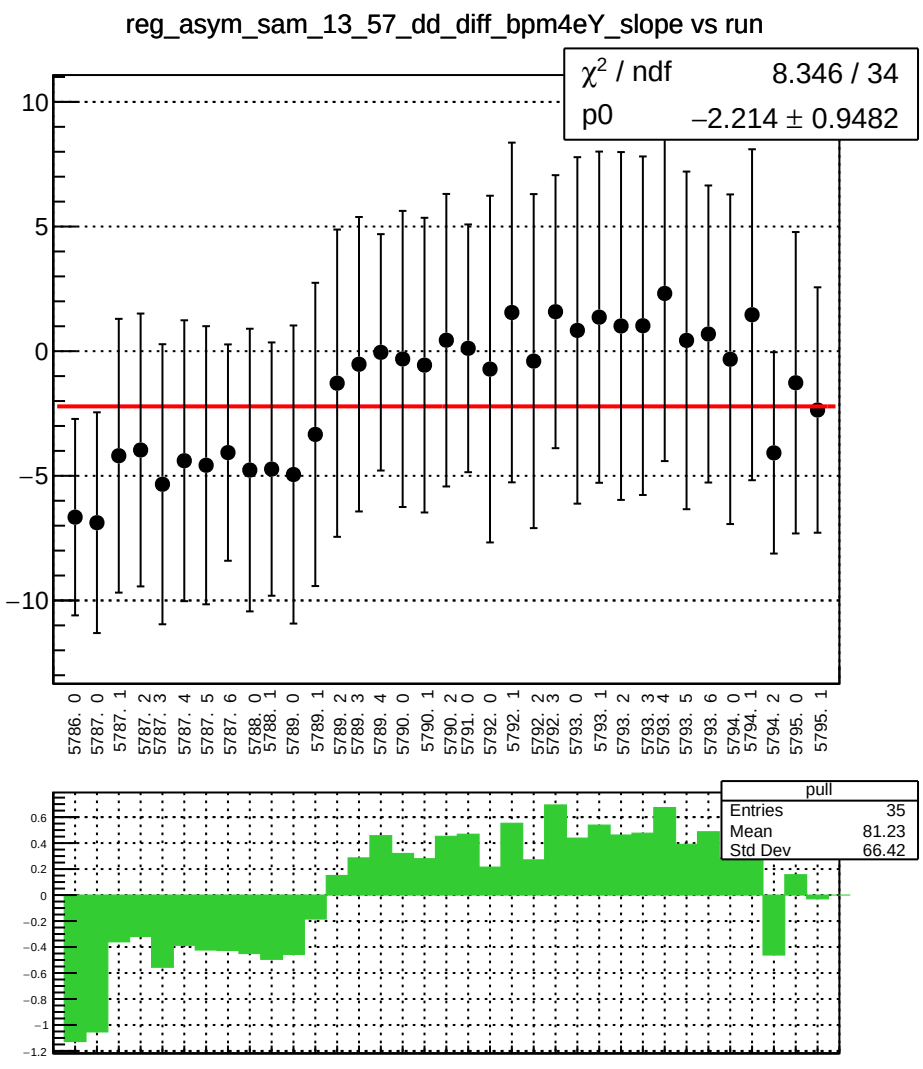

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8462 / 34
p0 −28.74 ± 1.04
−20
−22
−24
−26
−28
−30
−32
−34
−36
−38
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 297.2
Std Dev 278
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 35
Mean −0.0009447
Std Dev 0.1555
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

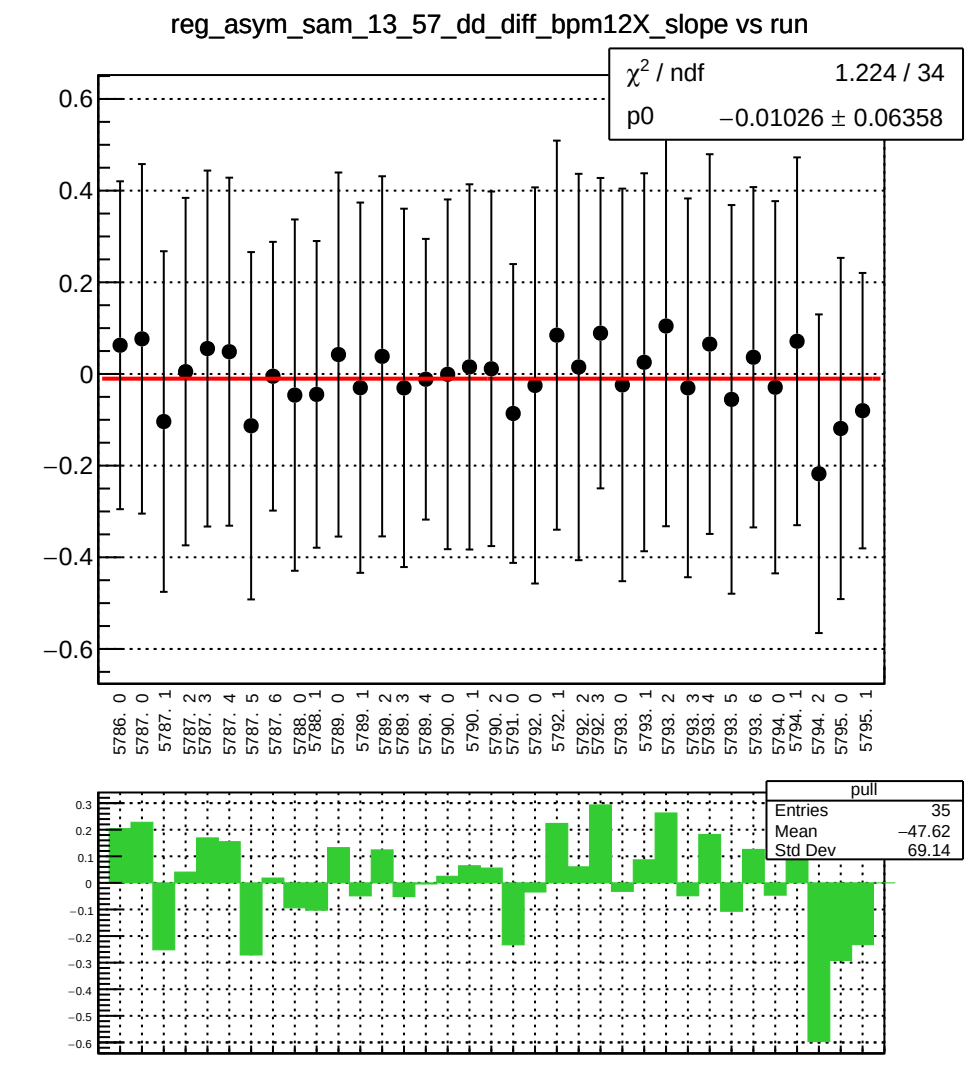

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.493 / 34
p0 −34.39 ± 0.8639
−25
−30
−35
−40
−45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 74.48
Std Dev 59.75
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

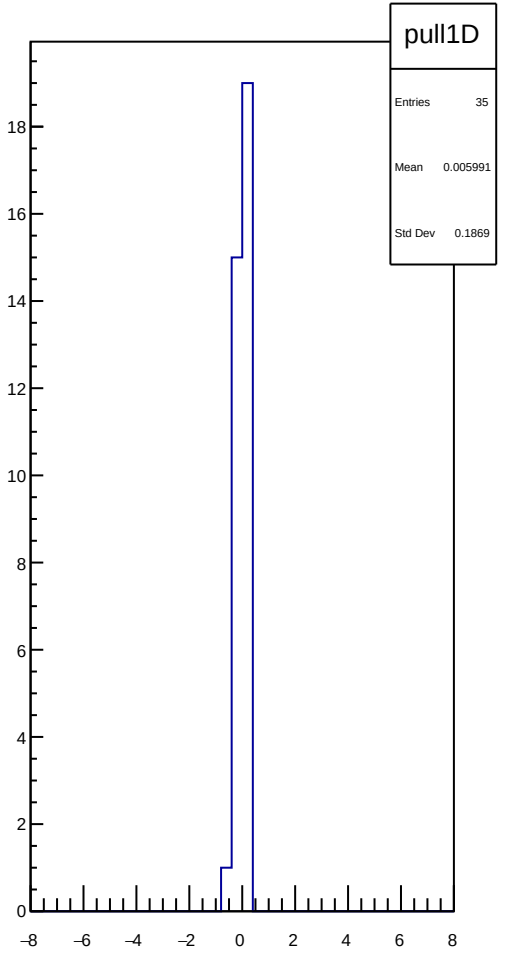

pull1D
Entries 35
Mean −0.05449
Std Dev 0.4595
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

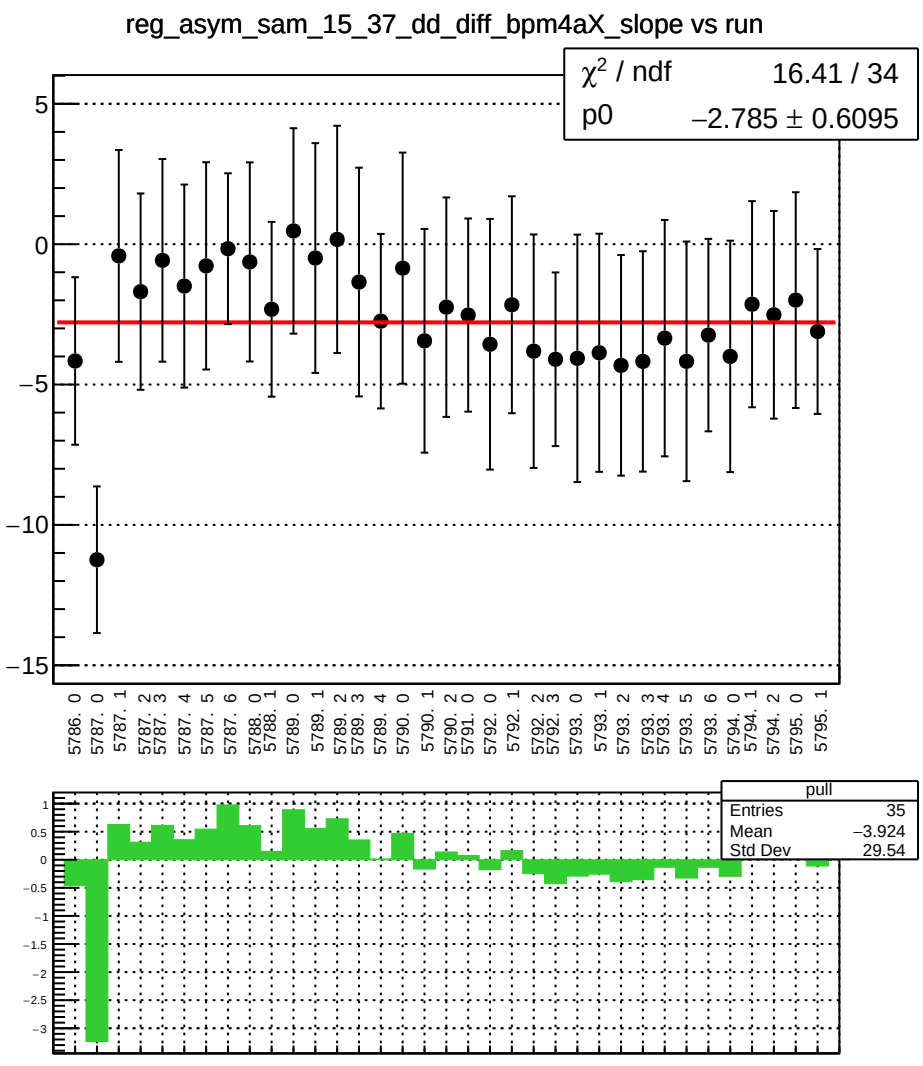

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.936 / 34
p0 9.692 ± 1.3
20
15
10
5
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 77.87
Std Dev 67.47
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

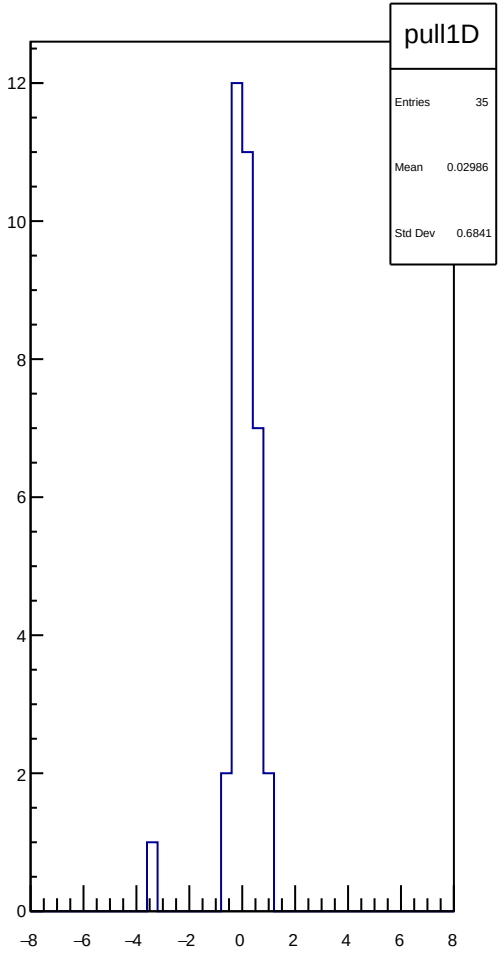

pull1D
Entries 35
Mean −0.00146
Std Dev 0.1635
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

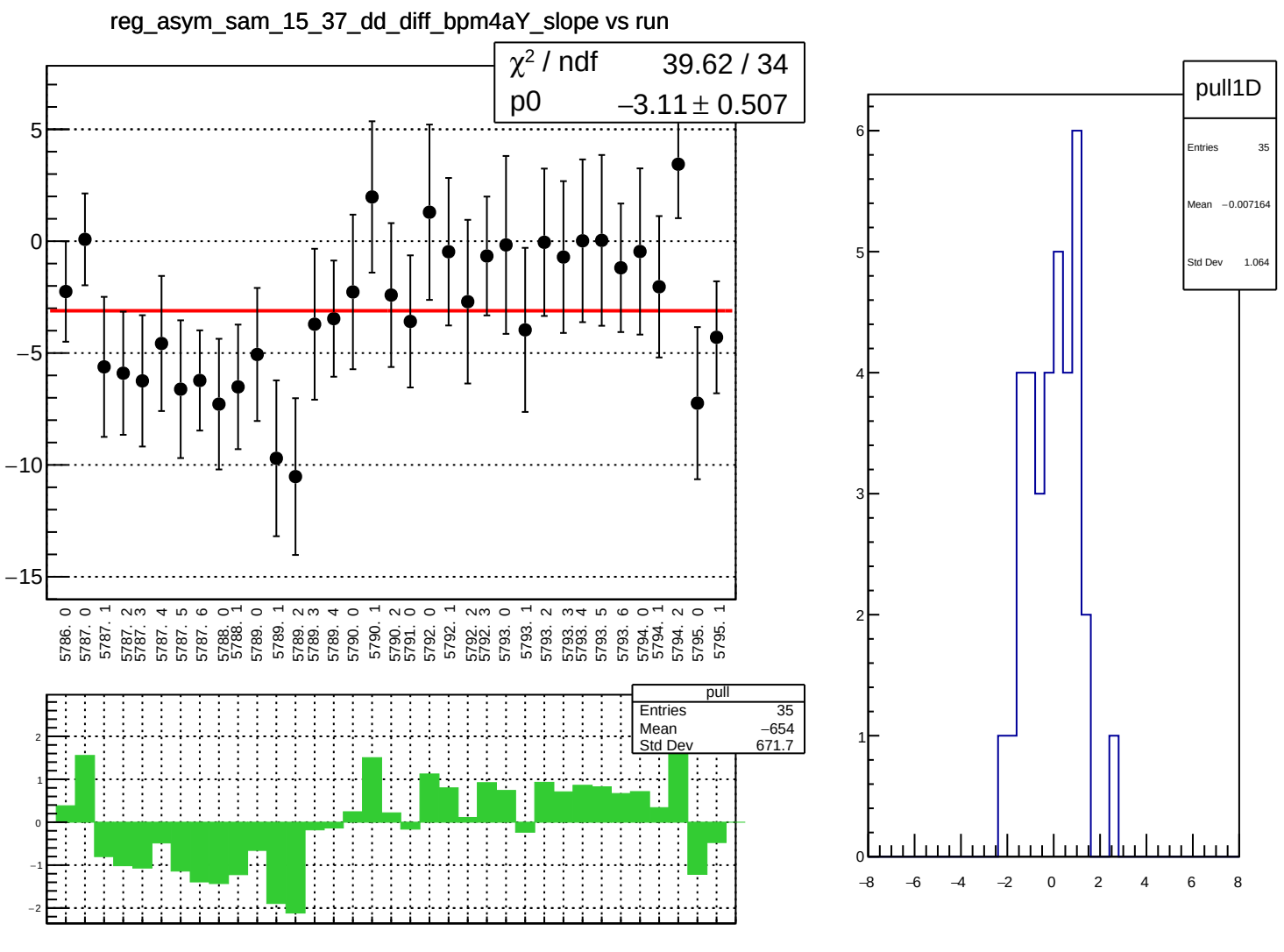

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.346 / 34
p0 −2.214 ± 0.9482
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 81.23
Std Dev 66.42
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 35
Mean 0.0537
Std Dev 0.4854
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

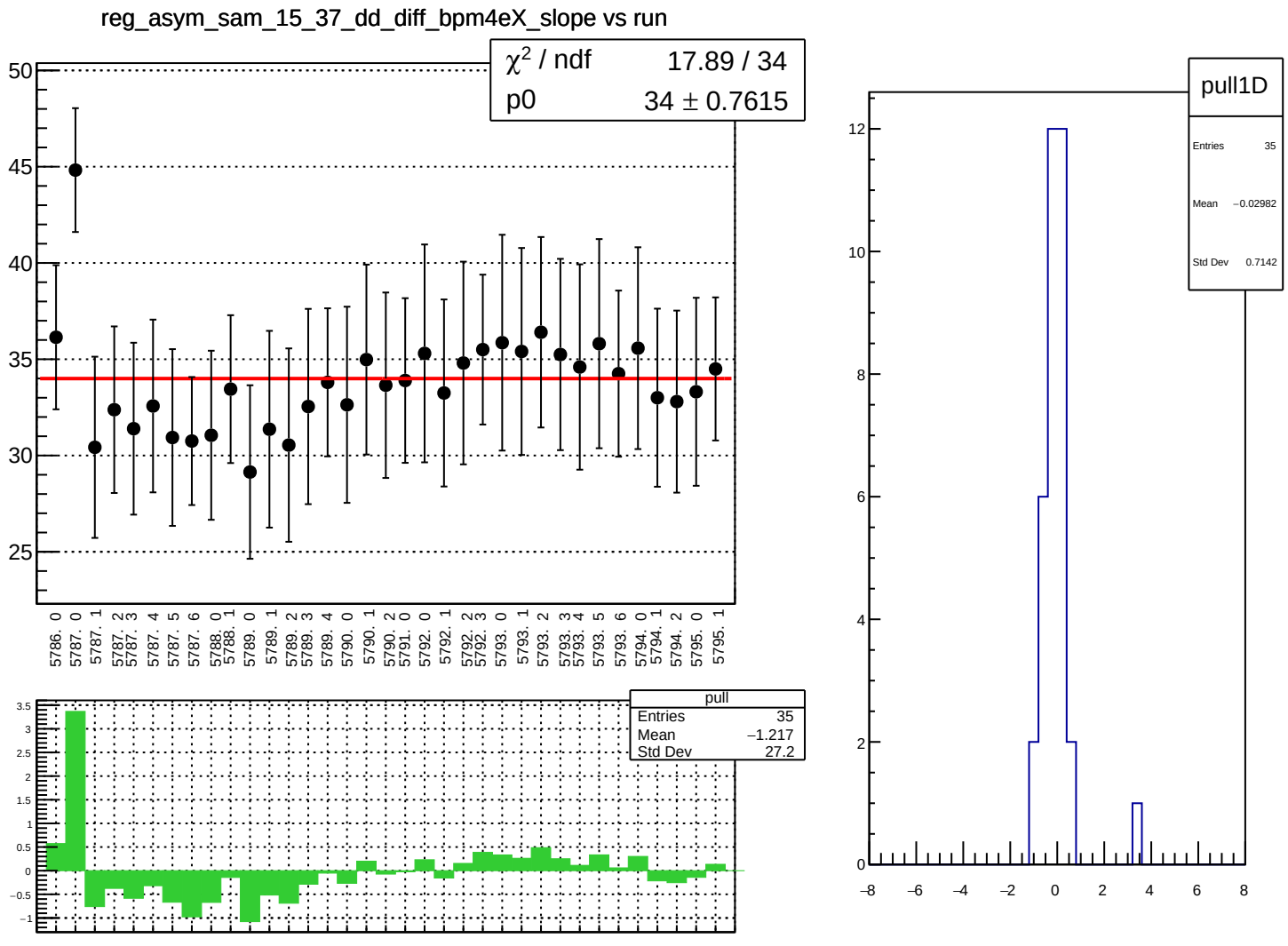

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.224 / 34
p0 −0.01026 ± 0.06358
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −47.62
Std Dev 69.14
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

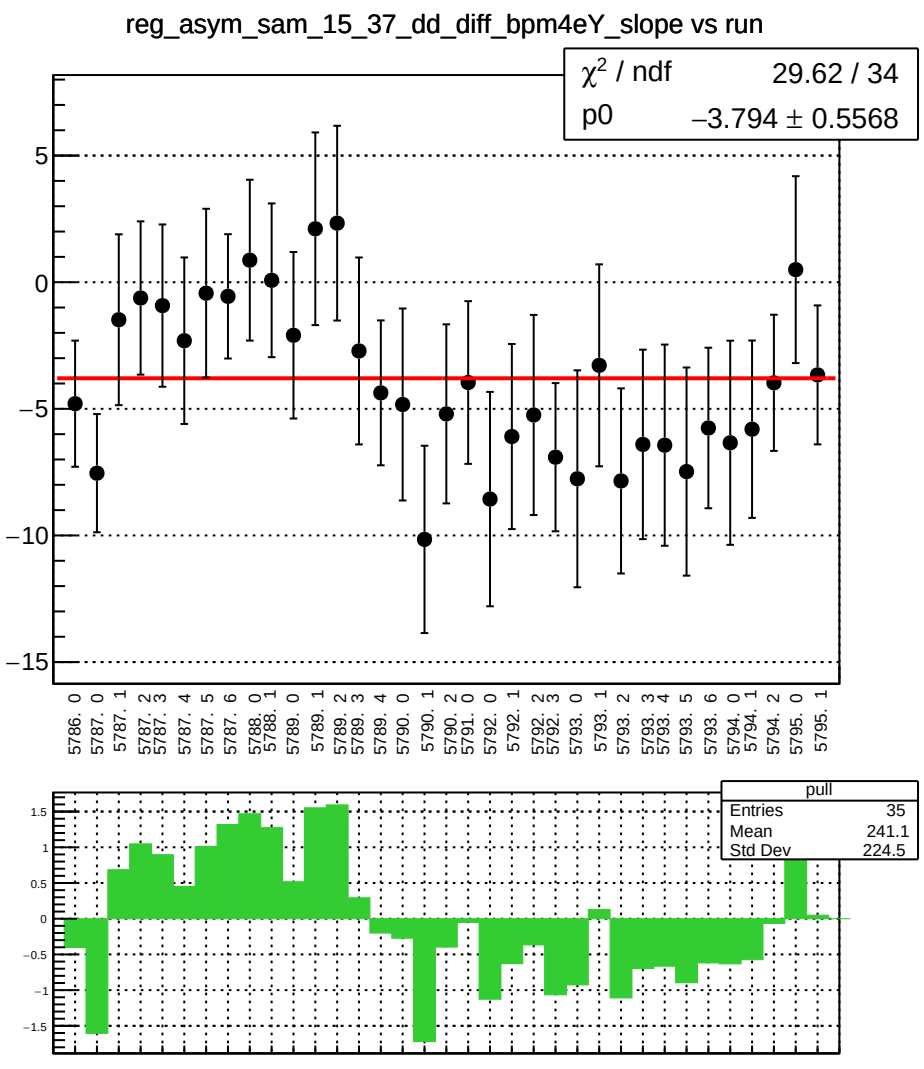

pull1D
Entries 35
Mean 0.005991
Std Dev 0.1869
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

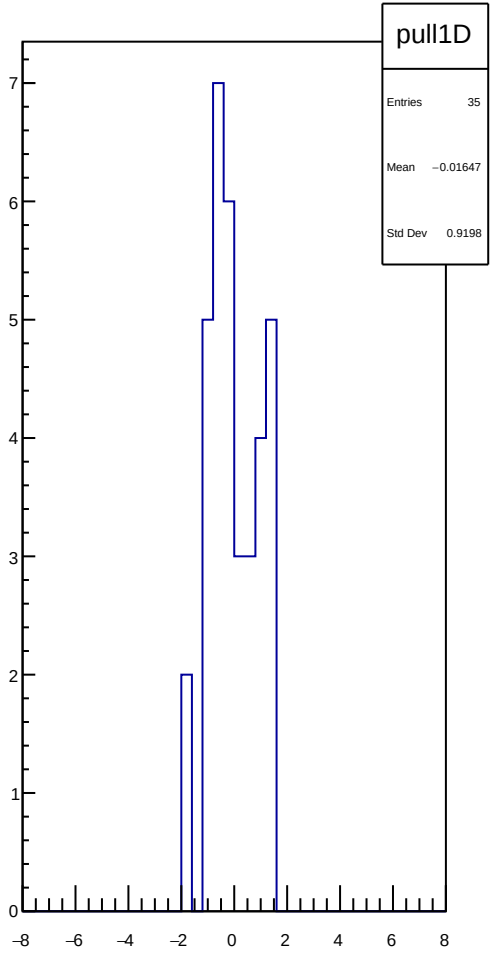

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.41 / 34
p0 −2.785 ± 0.6095
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −3.924
Std Dev 29.54
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

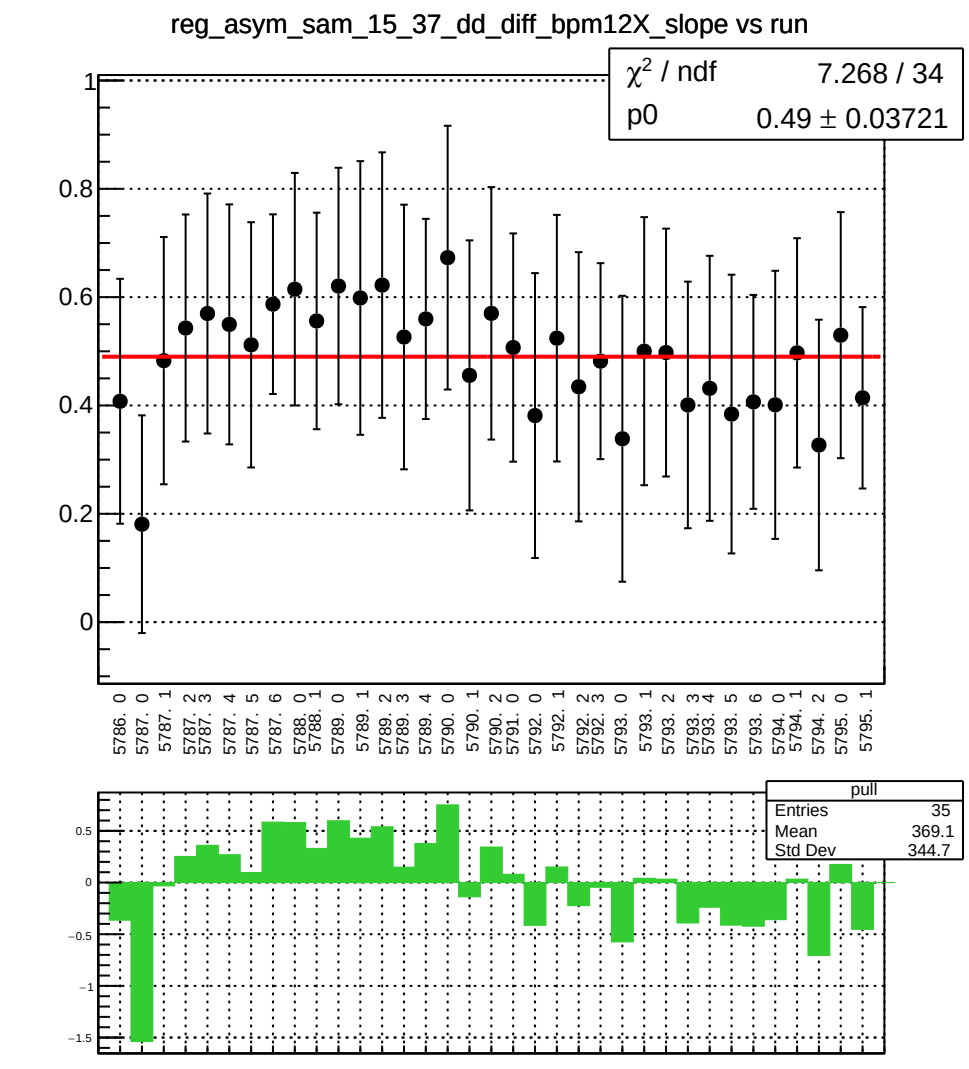

pull1D
Entries 35
Mean 0.02986
Std Dev 0.6841
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

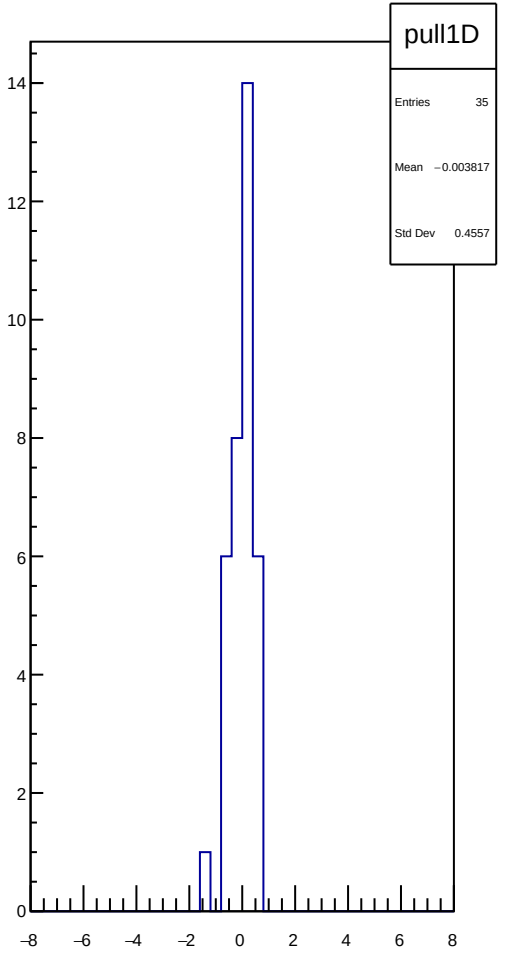

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.62 / 34
p0 −3.11 ± 0.507
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −654
Std Dev 671.7
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.007164
Std Dev 1.064
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

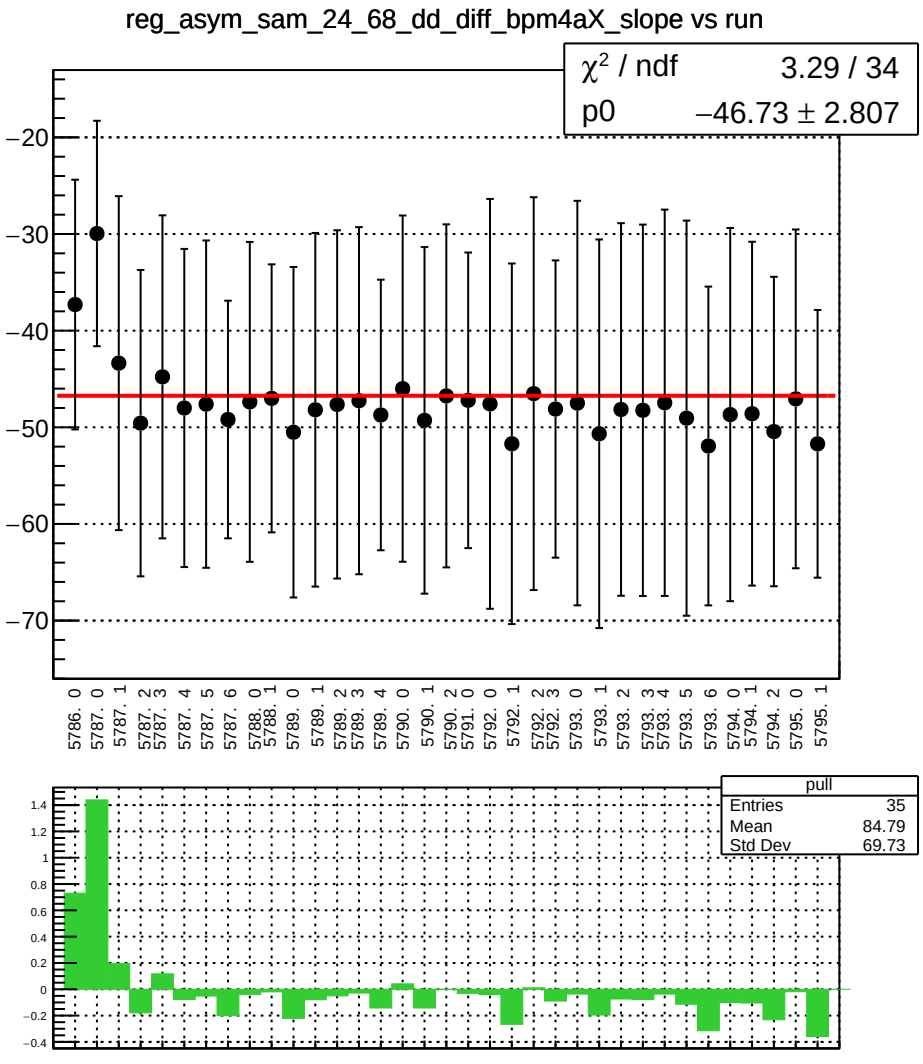

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.89 / 34
p0 34 ± 0.7615
50
45
40
35
30
25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −1.217
Std Dev 27.2
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.02982
Std Dev 0.7142
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

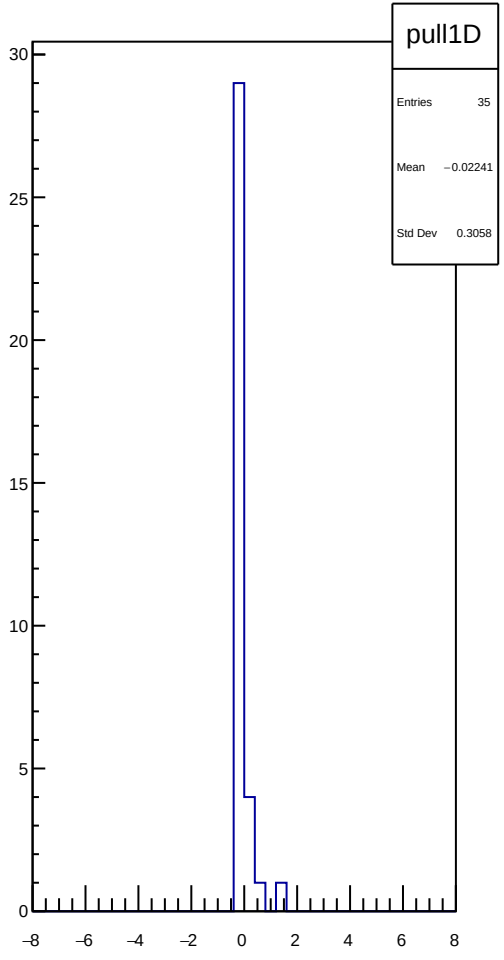

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.62 / 34
p0 −3.794 ± 0.5568
pull
Entries 35
Mean 241.1
Std Dev 224.5

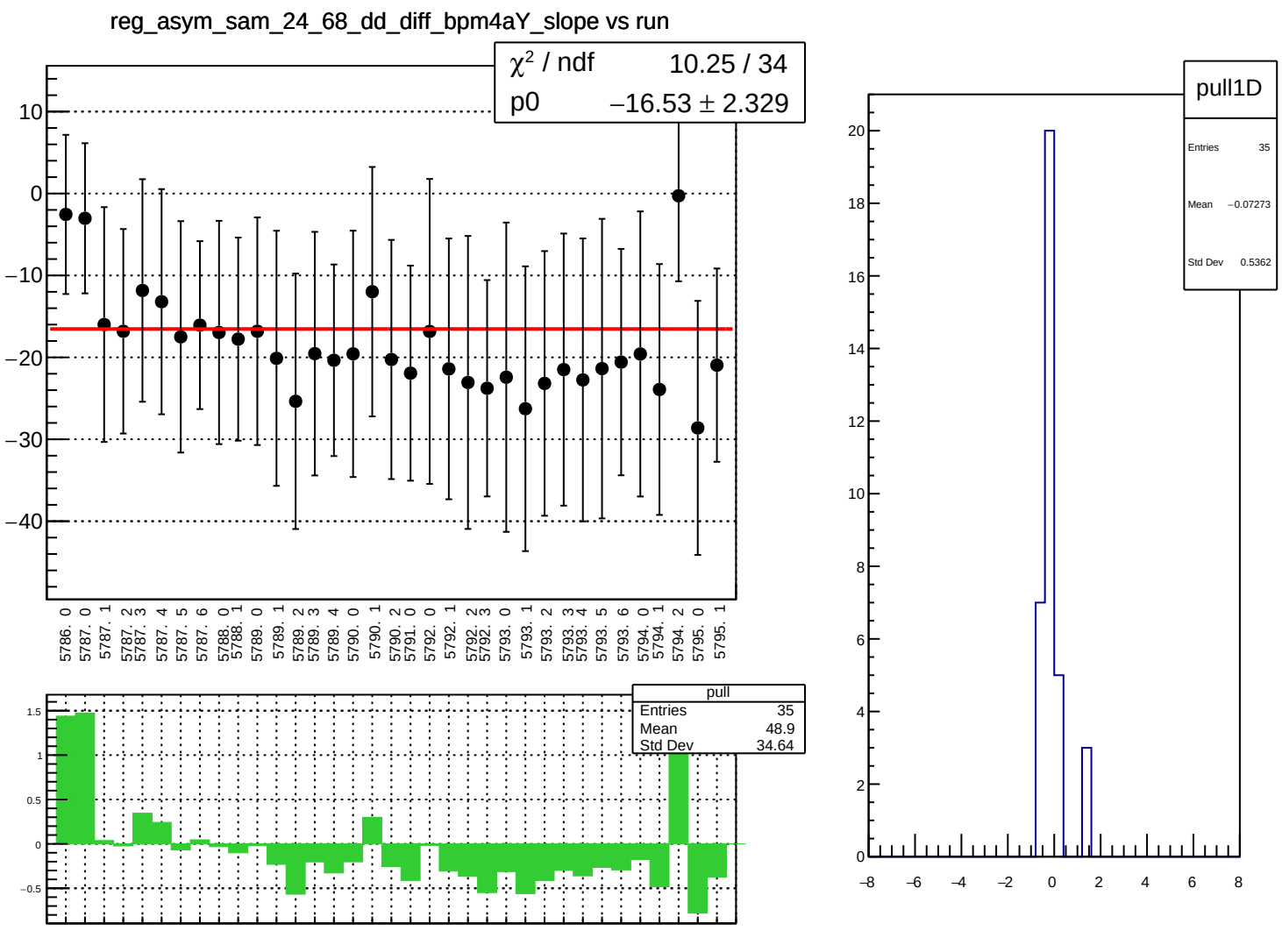

pull1D
Entries 35
Mean −0.01647
Std Dev 0.9198

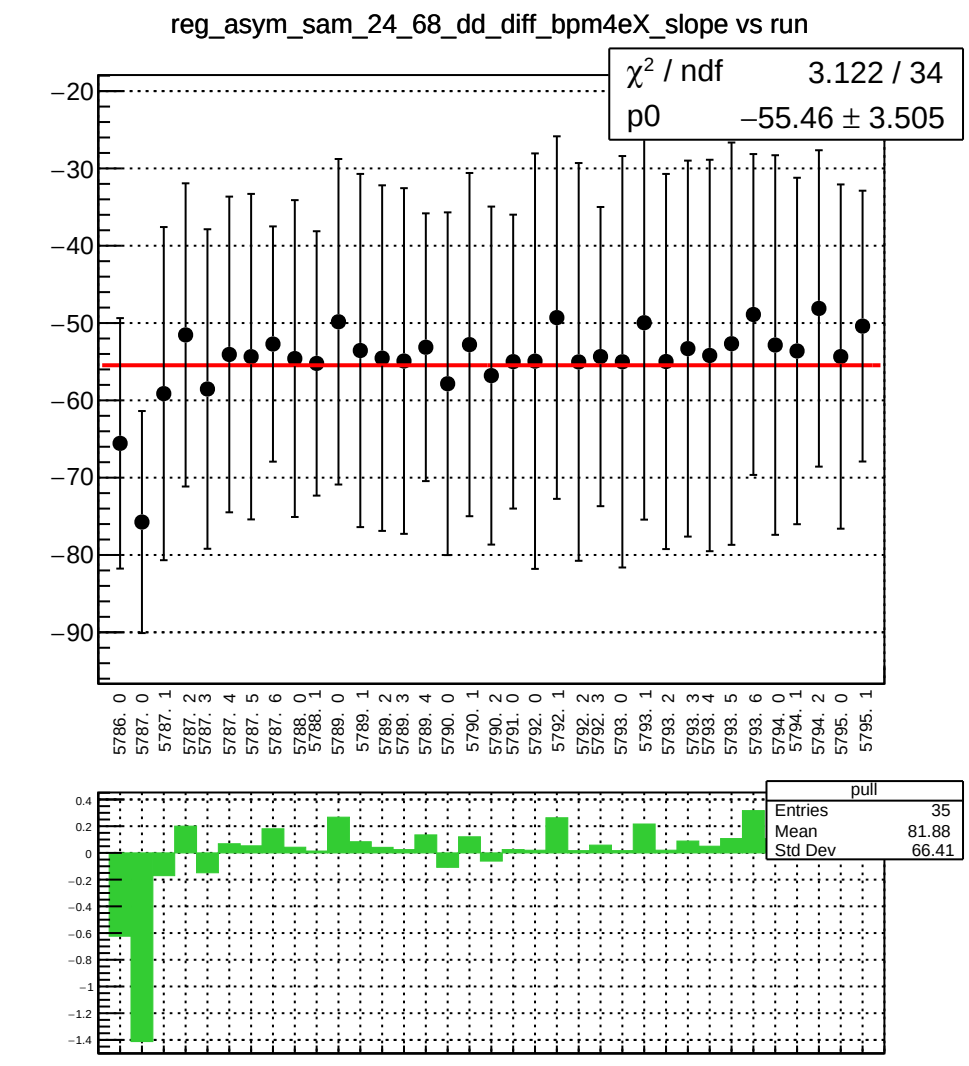

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.268 / 34
p0 0.49 ± 0.03721
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 369.1
Std Dev 344.7
0.5
0
−0.5
−1
−1.5

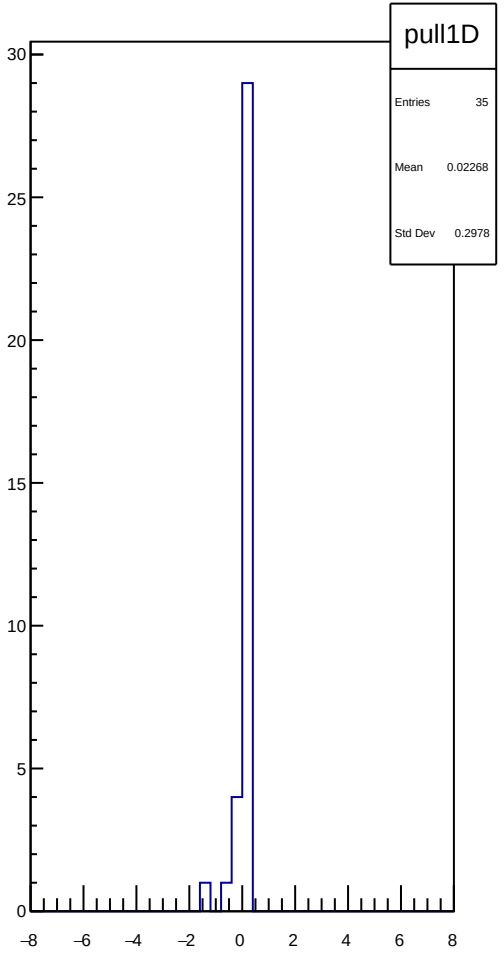

pull1D
Entries 35
Mean −0.003817
Std Dev 0.4557
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

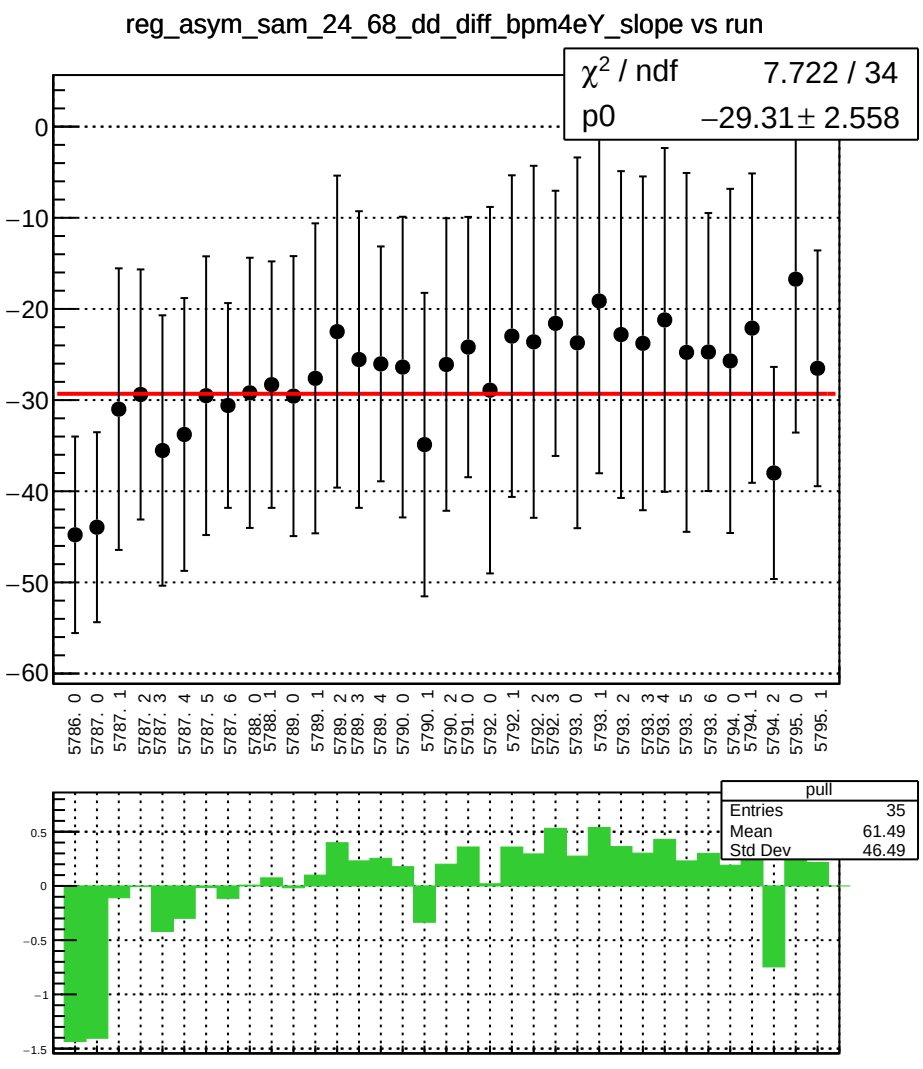

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.29 / 34
p0 −46.73 ± 2.807
−20
−30
−40
−50
−60
−70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 84.79
Std Dev 69.73
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

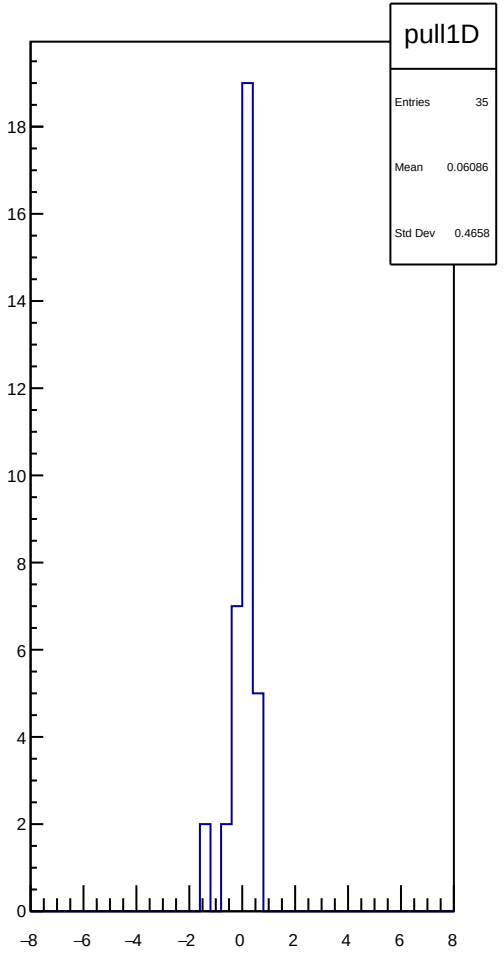

pull1D
Entries 35
Mean −0.02241
Std Dev 0.3058
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

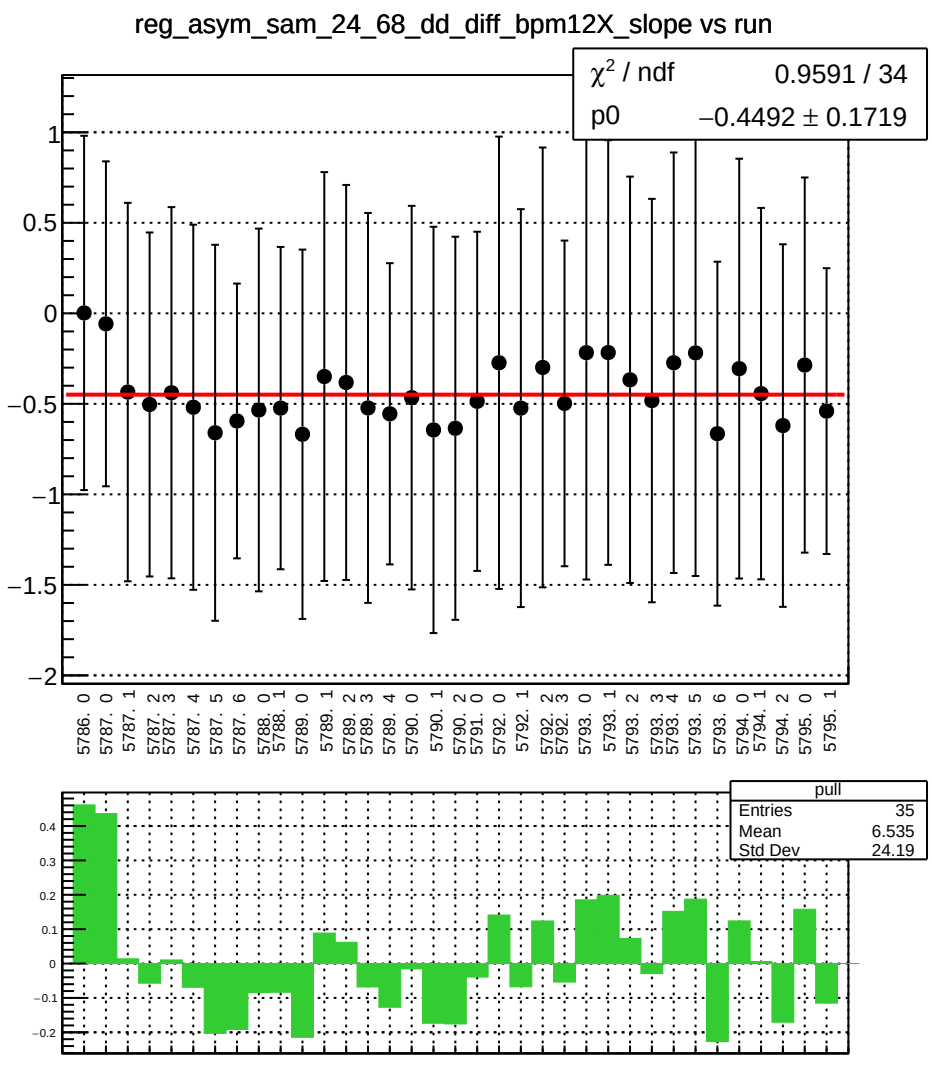

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.25 / 34
p0 −16.53 ± 2.329
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 48.9
Std Dev 34.64
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.07273
Std Dev 0.5362
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

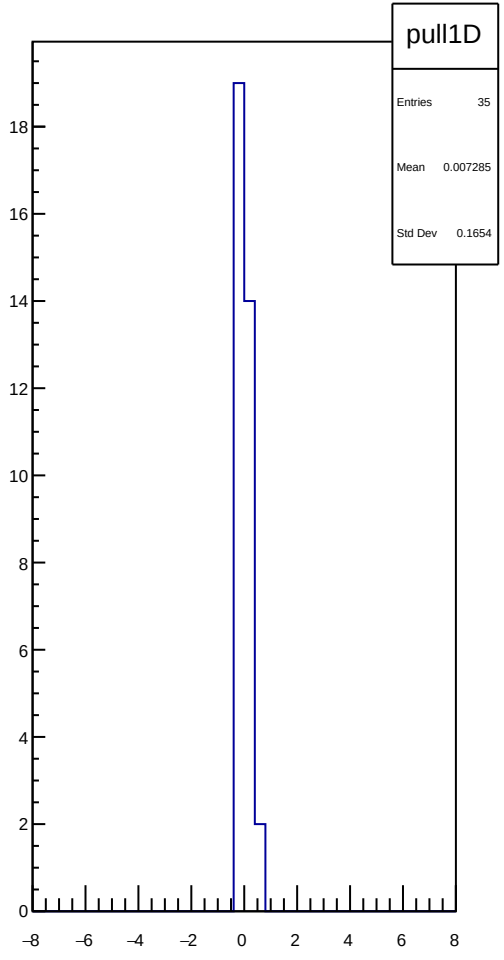

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.122 / 34
p0 −55.46 ± 3.505
pull
Entries 35
Mean 81.88
Std Dev 66.41

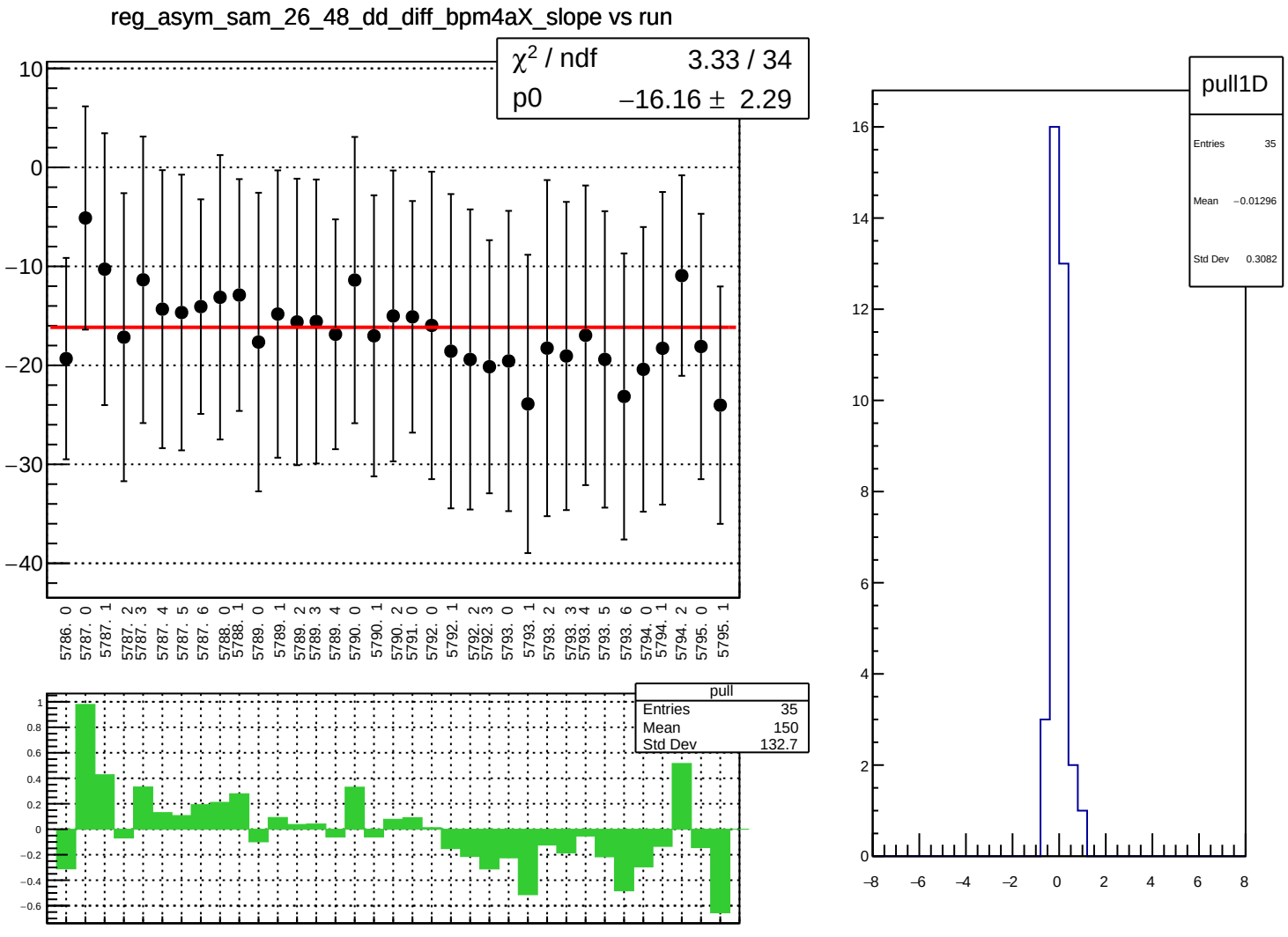

pull1D
Entries 35
Mean 0.02268
Std Dev 0.2978

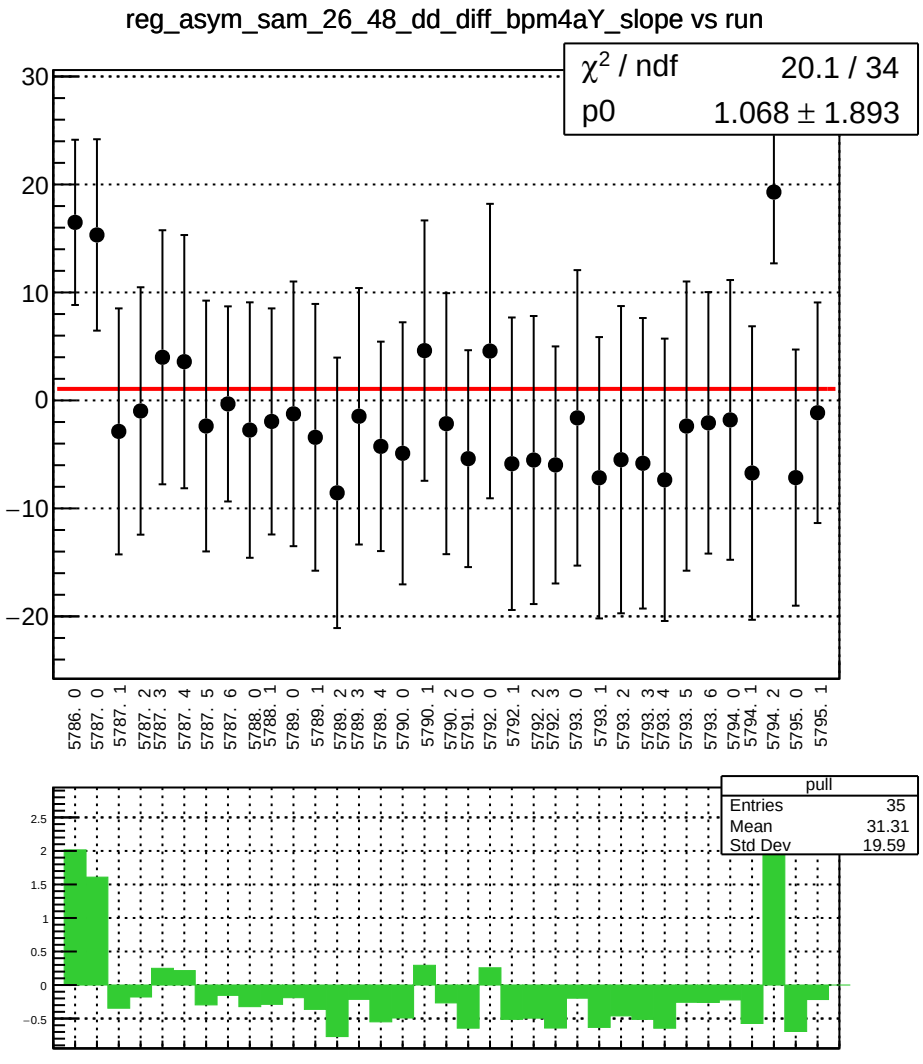

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.722 / 34
p0 −29.31 ± 2.558
0
−10
−20
−30
−40
−50
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 61.49
Std Dev 46.49
0.5
0
−0.5
−1
−1.5

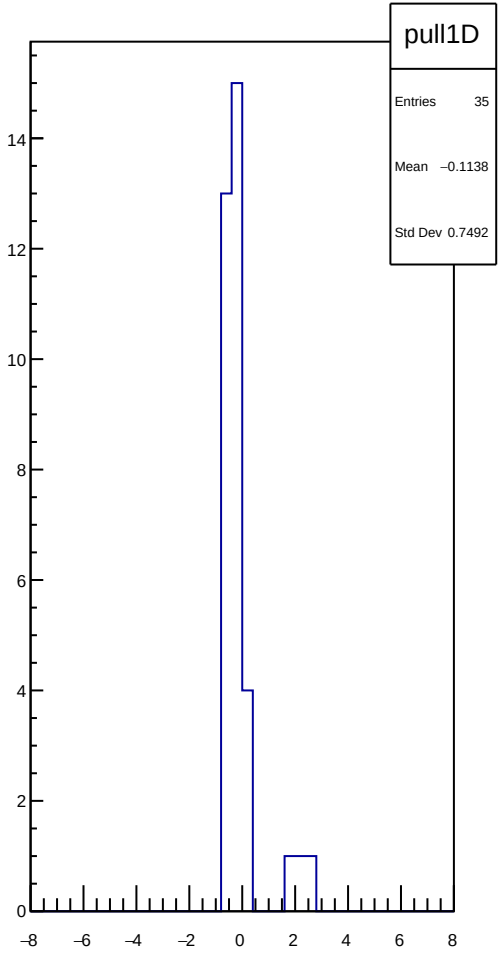

pull1D
Entries 35
Mean 0.06086
Std Dev 0.4658
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

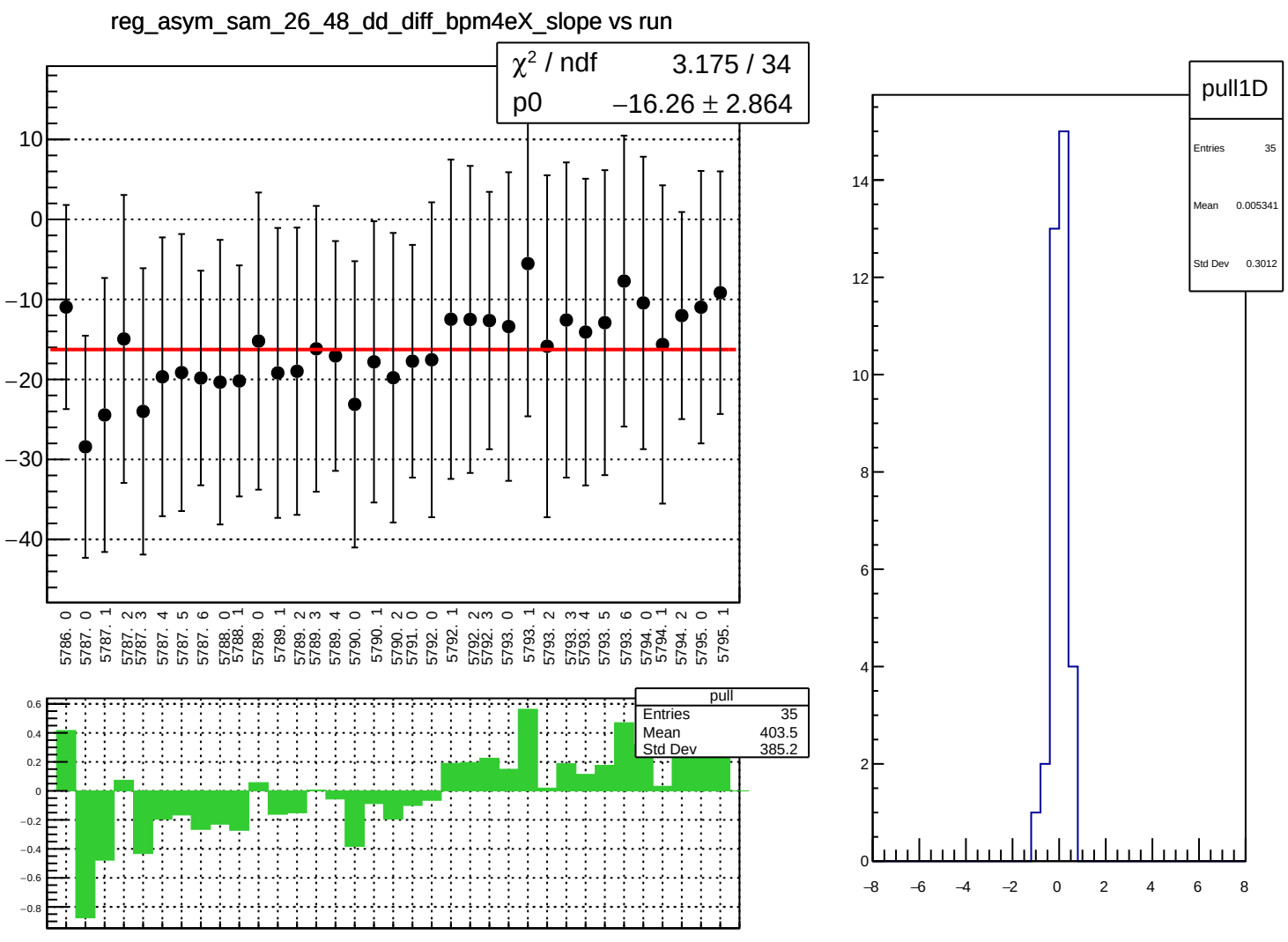

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9591 / 34
p0 −0.4492 ± 0.1719
pull
Entries 35
Mean 6.535
Std Dev 24.19

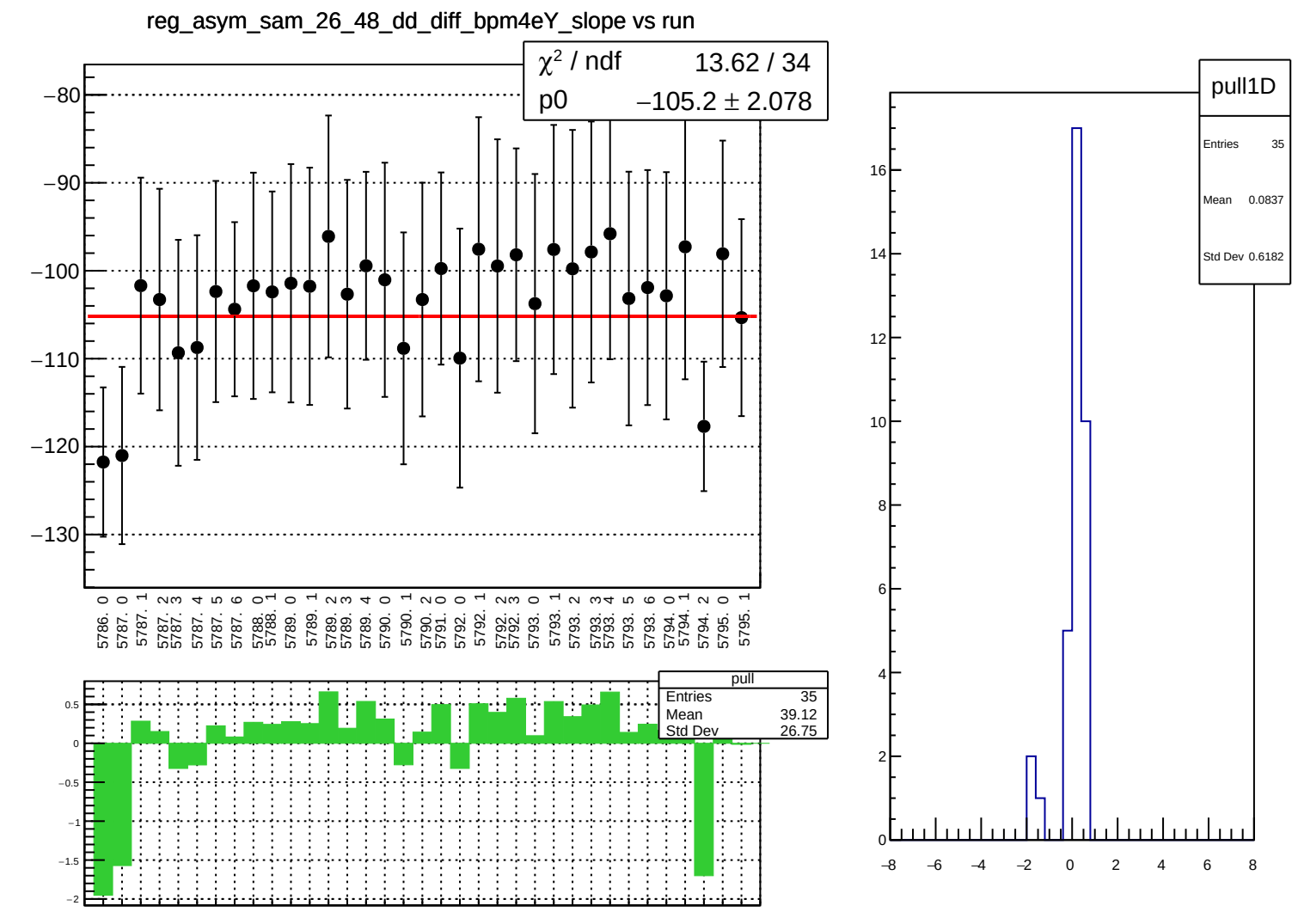

pull1D
Entries 35
Mean 0.007285
Std Dev 0.1654

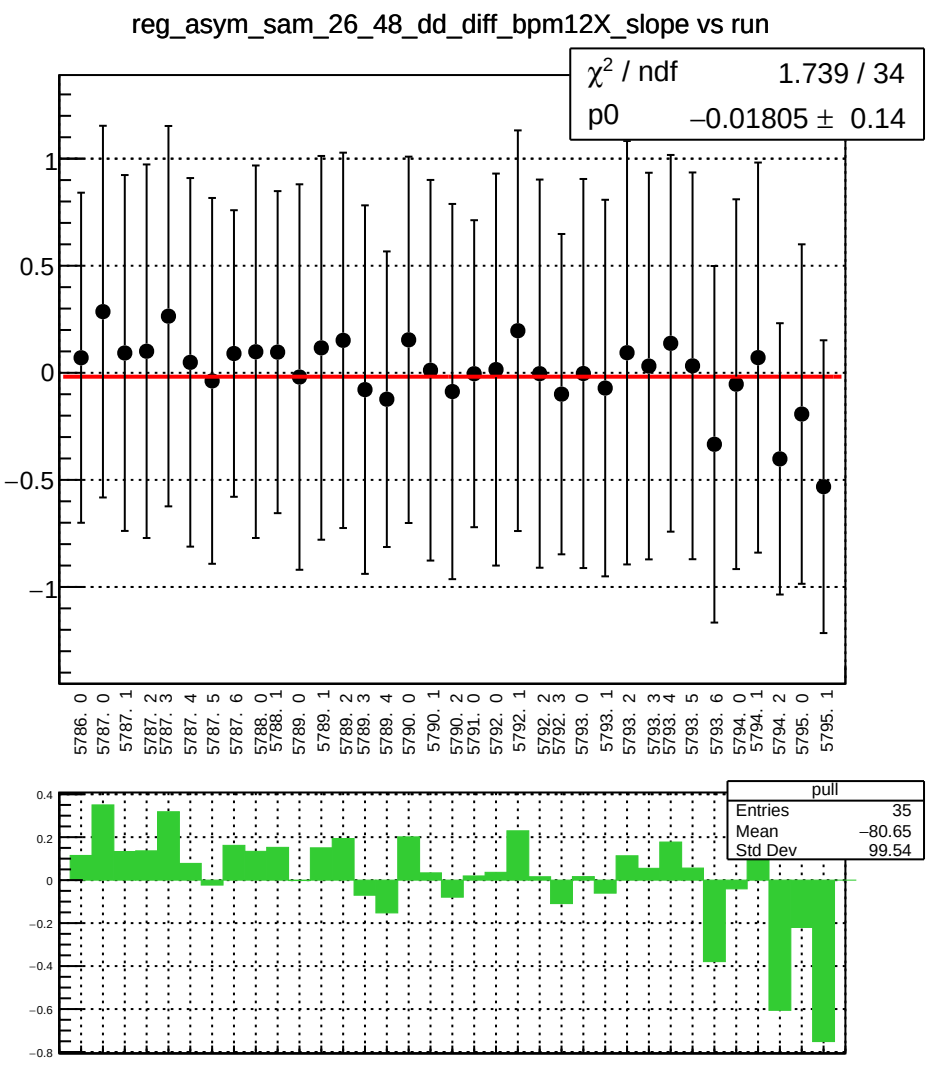

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.33 / 34
p0 −16.16 ± 2.29
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 150
Std Dev 132.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean −0.01296
Std Dev 0.3082
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

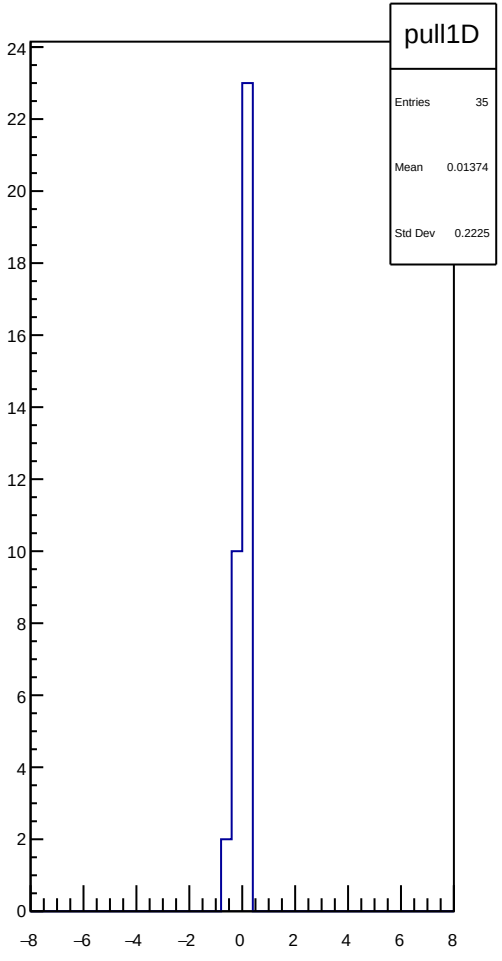

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.1 / 34
p0 1.068 ± 1.893
pull
Entries 35
Mean 31.31
Std Dev 19.59

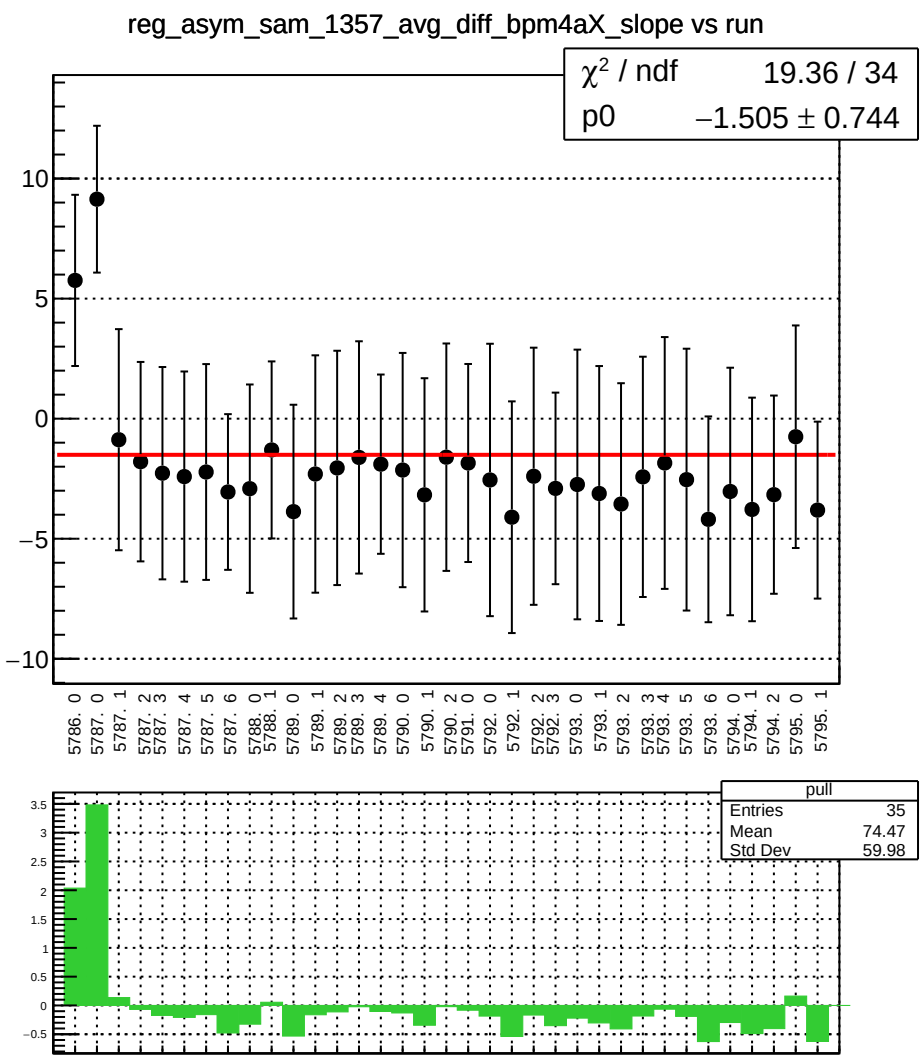

pull1D
Entries 35
Mean −0.1138
Std Dev 0.7492

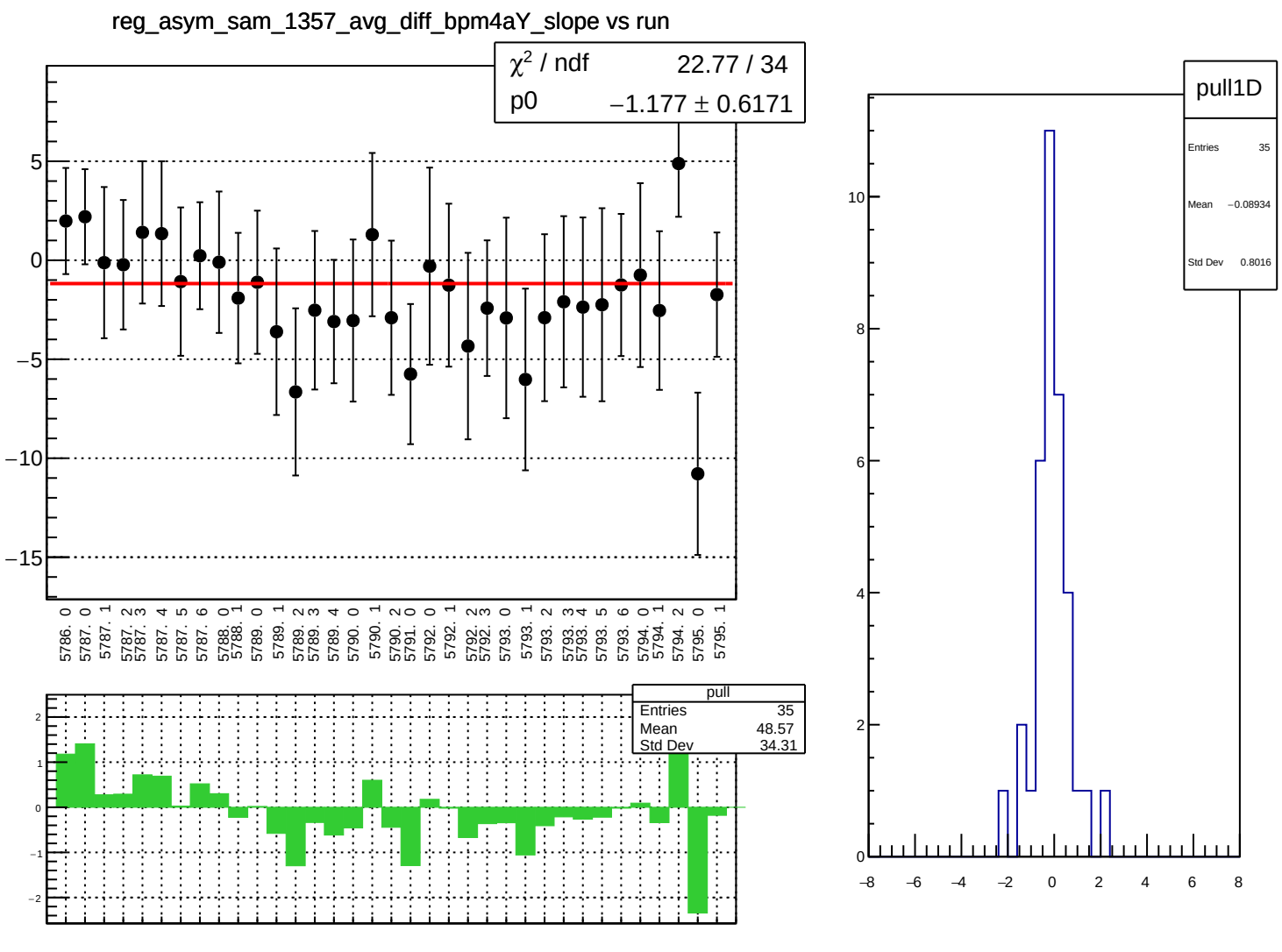

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.175 / 34
p0 −16.26 ± 2.864
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 403.5
Std Dev 385.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean 0.005341
Std Dev 0.3012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

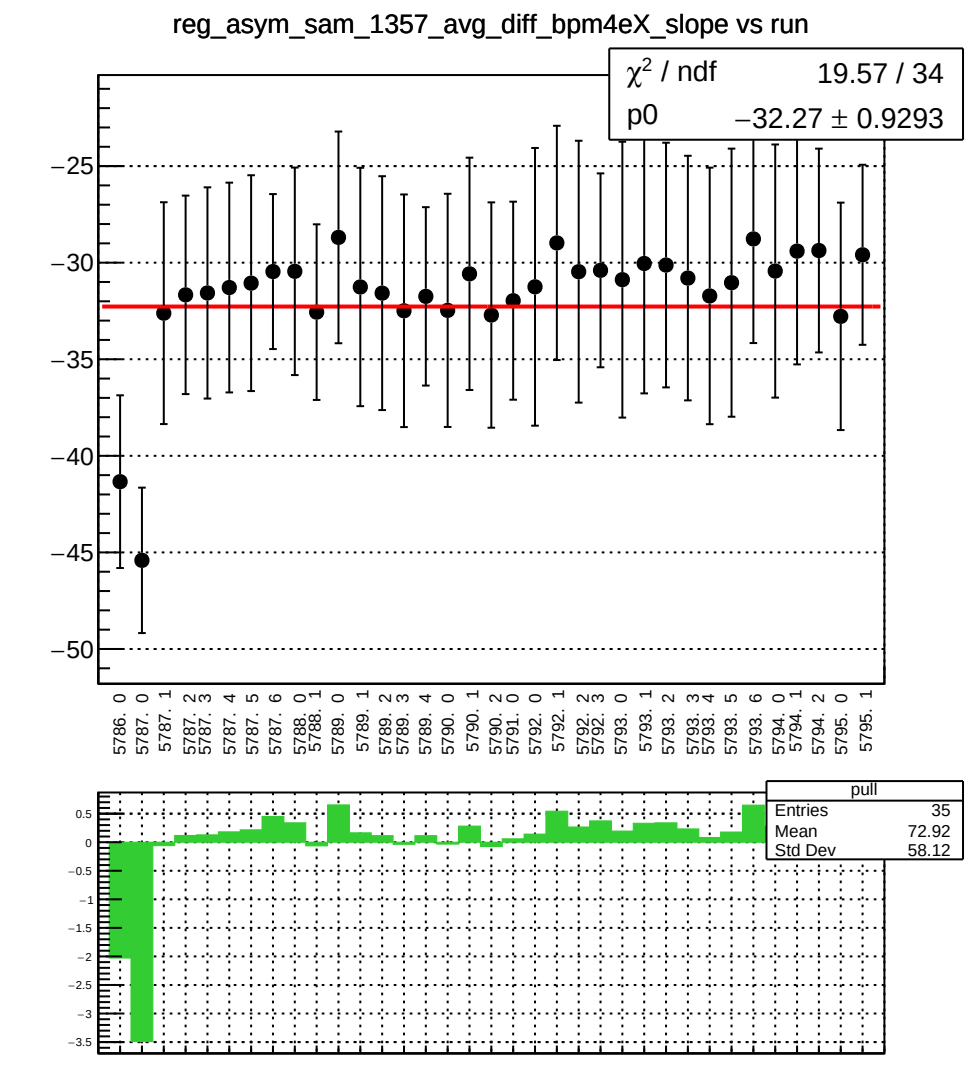

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.62 / 34
p0 −105.2 ± 2.078
−80
−90
−100
−110
−120
−130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 39.12
Std Dev 26.75
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.0837
Std Dev 0.6182
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

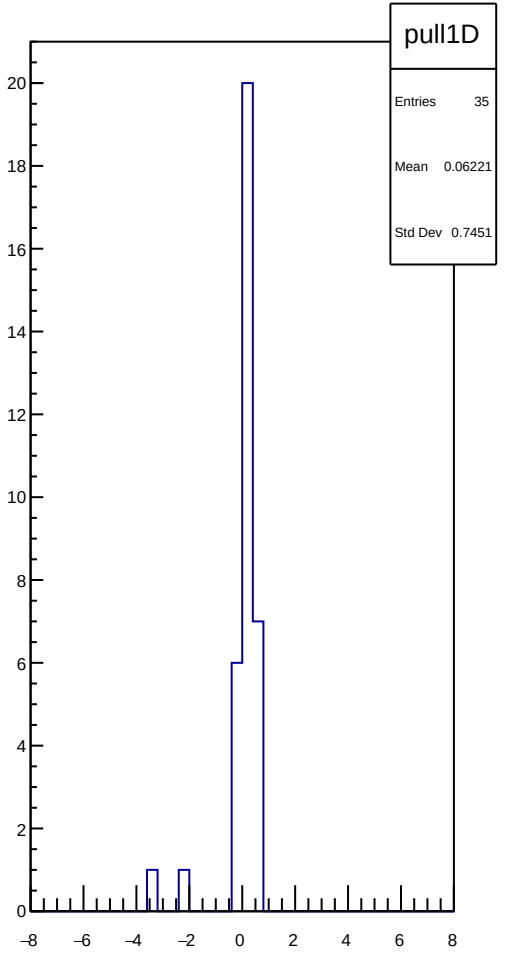

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.739 / 34
p0 −0.01805 ± 0.14
pull
Entries 35
Mean −80.65
Std Dev 99.54

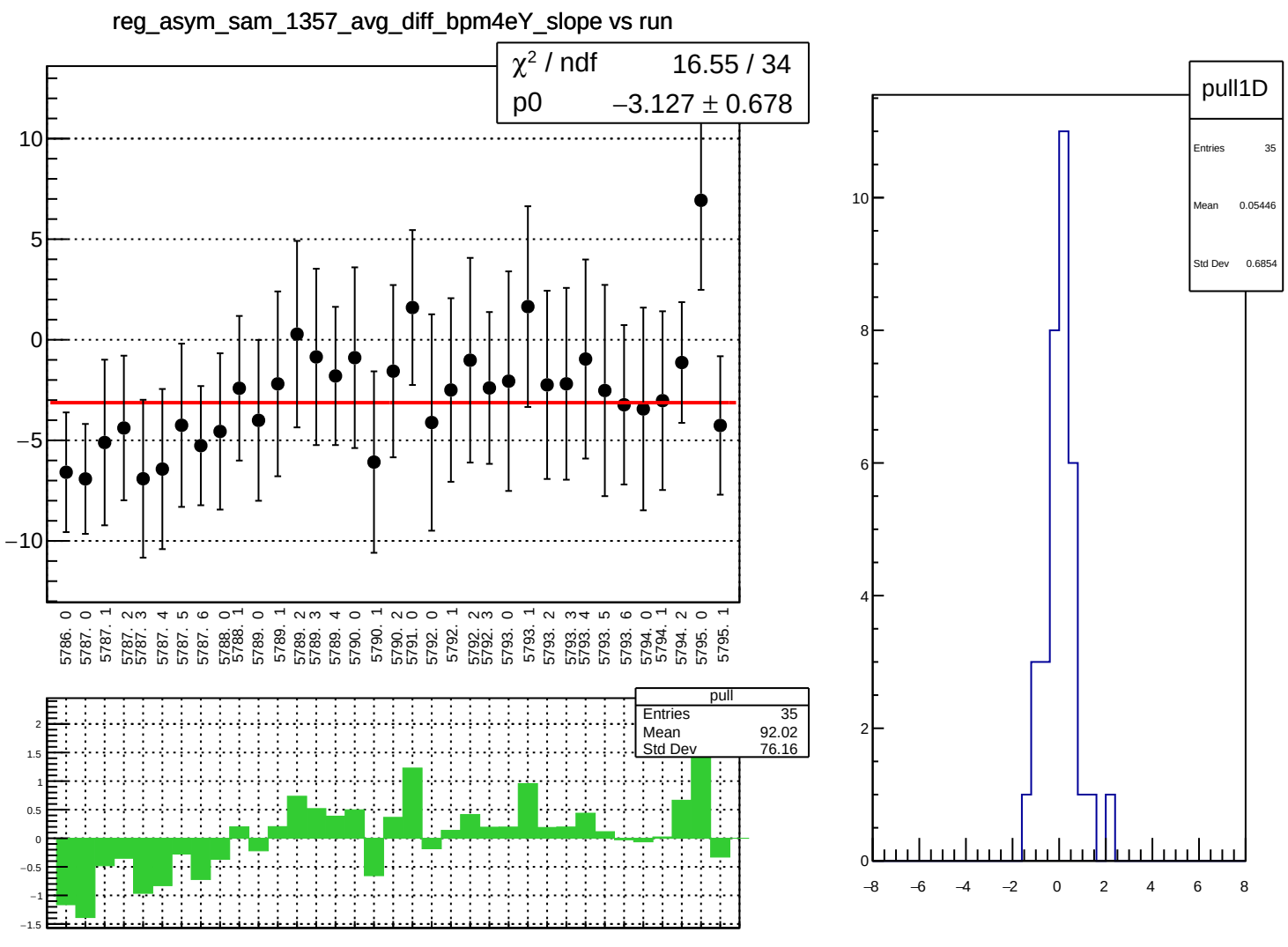

pull1D
Entries 35
Mean 0.01374
Std Dev 0.2225

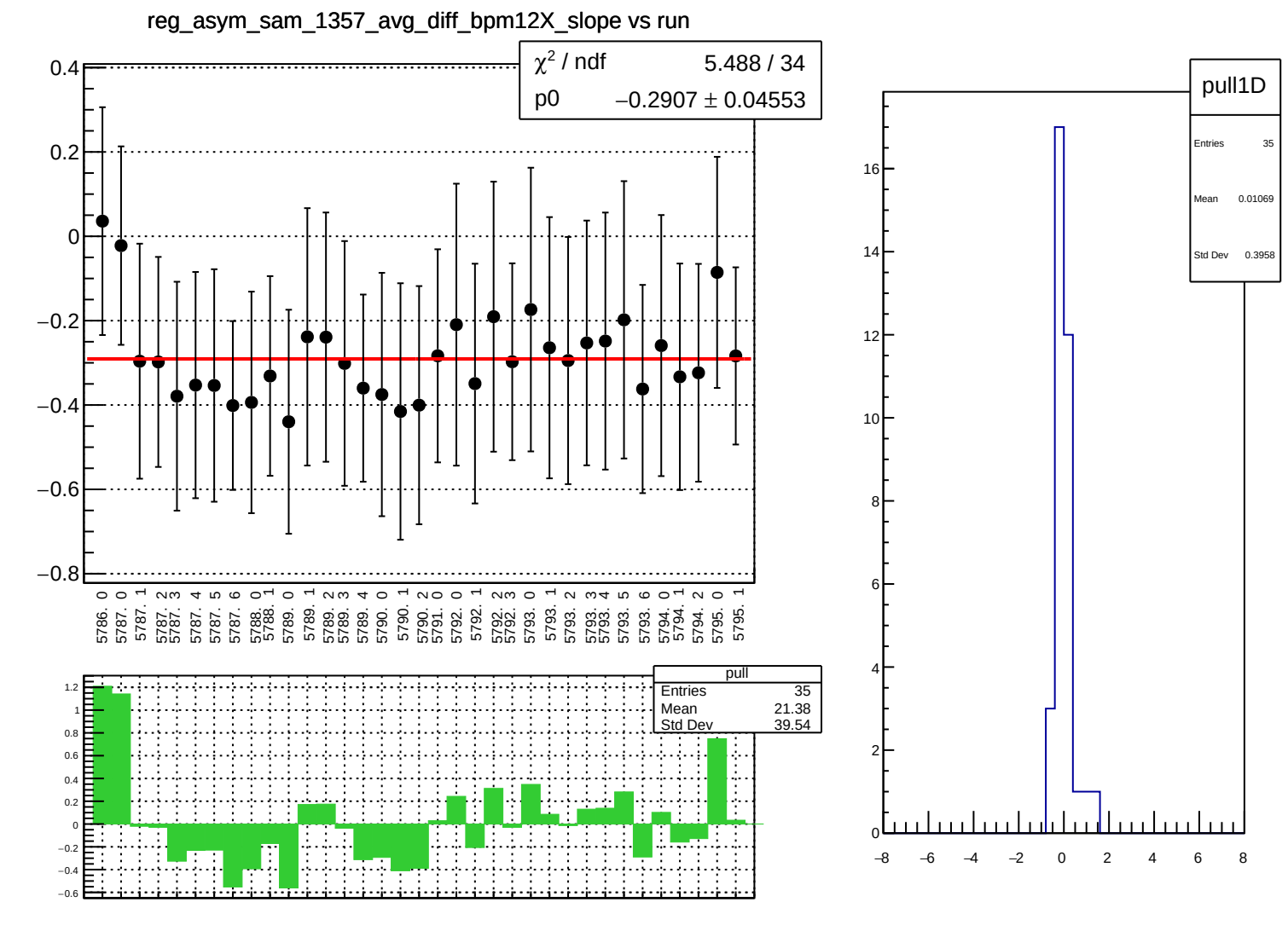

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 19.36 / 34
p0 −1.505 ± 0.744
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 74.47
Std Dev 59.98
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.05982
Std Dev 0.7414
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

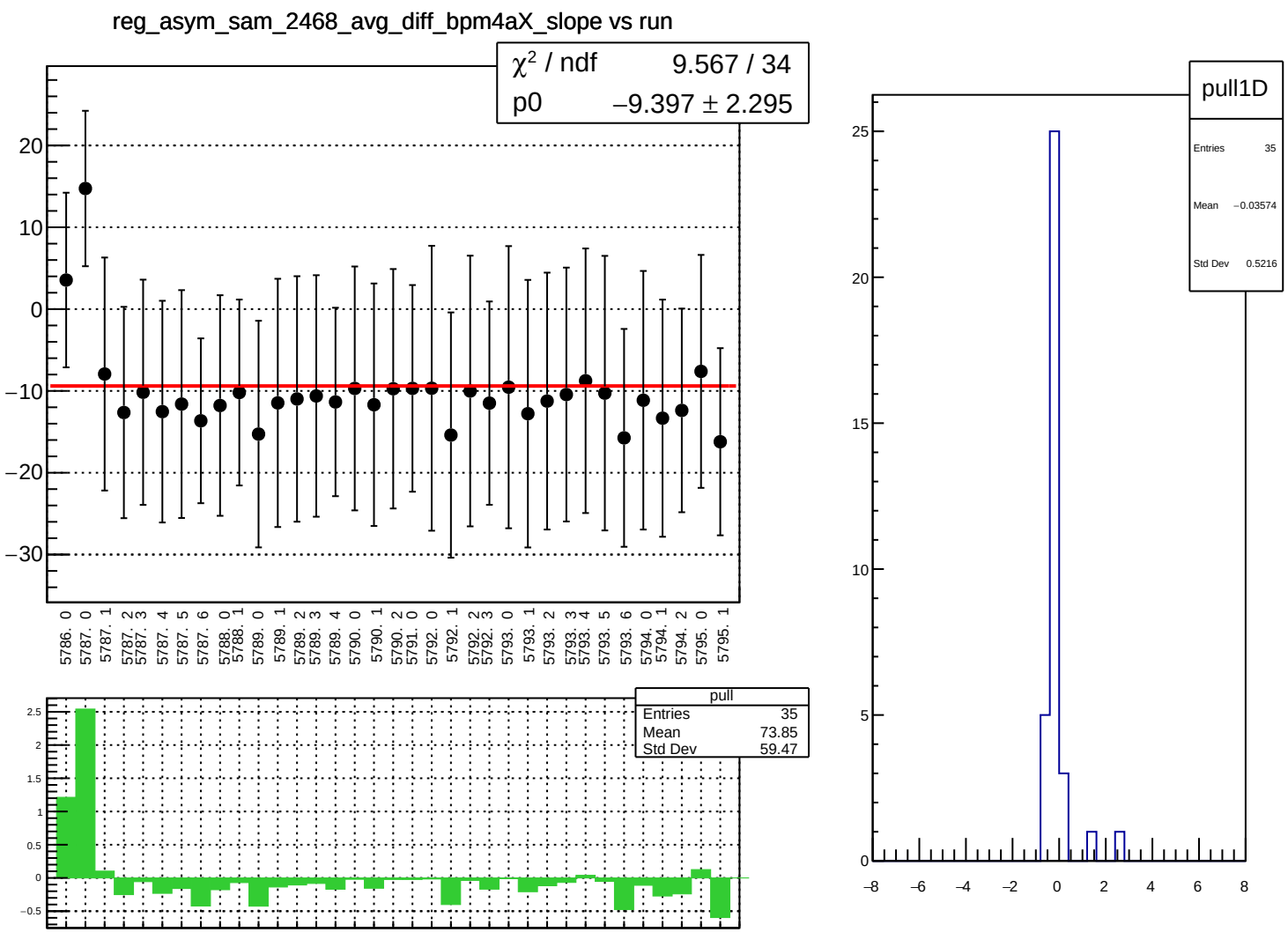

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.77 / 34
p0 −1.177 ± 0.6171
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 48.57
Std Dev 34.31
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.08934
Std Dev 0.8016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

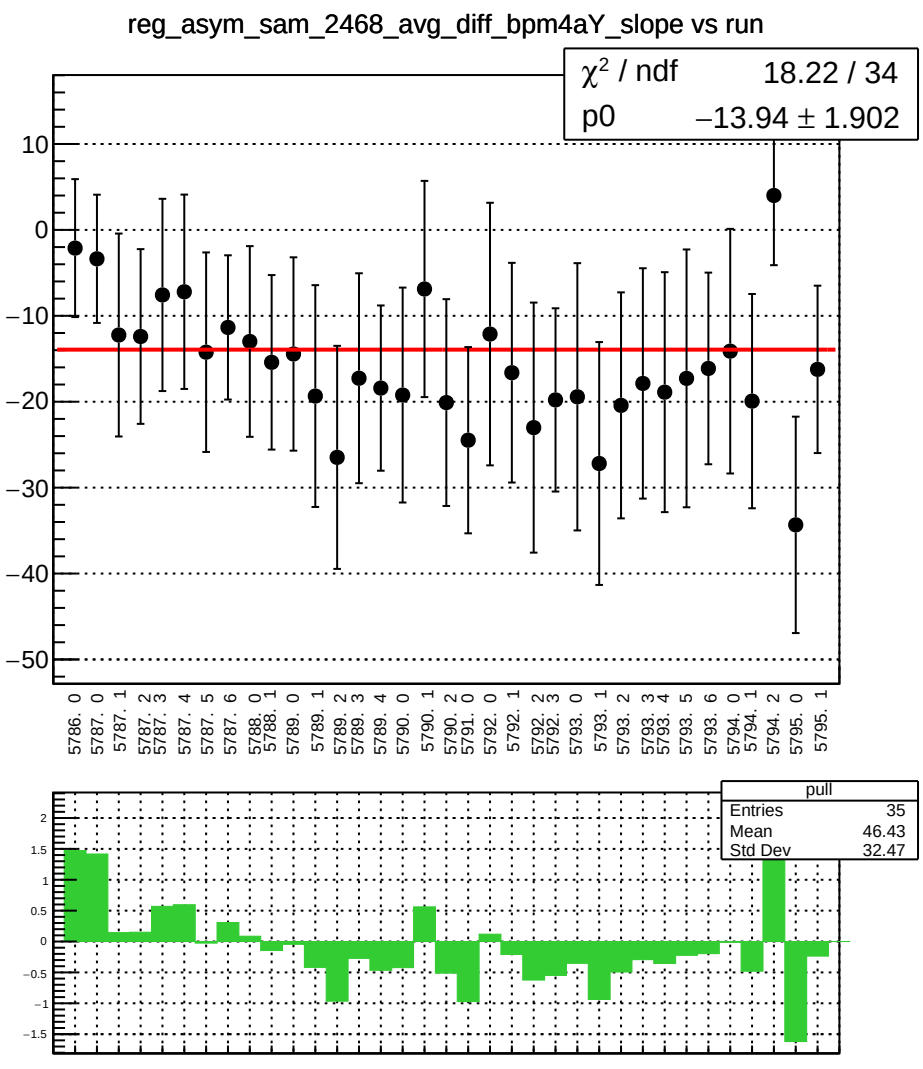

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.57 / 34
p0 −32.27 ± 0.9293
−25
−30
−35
−40
−45
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 72.92
Std Dev 58.12
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

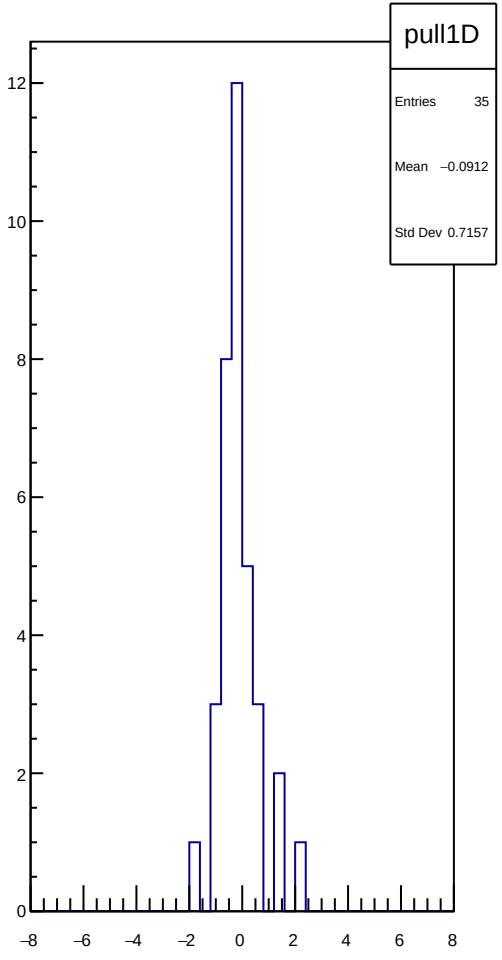

pull1D
Entries 35
Mean 0.06221
Std Dev 0.7451
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

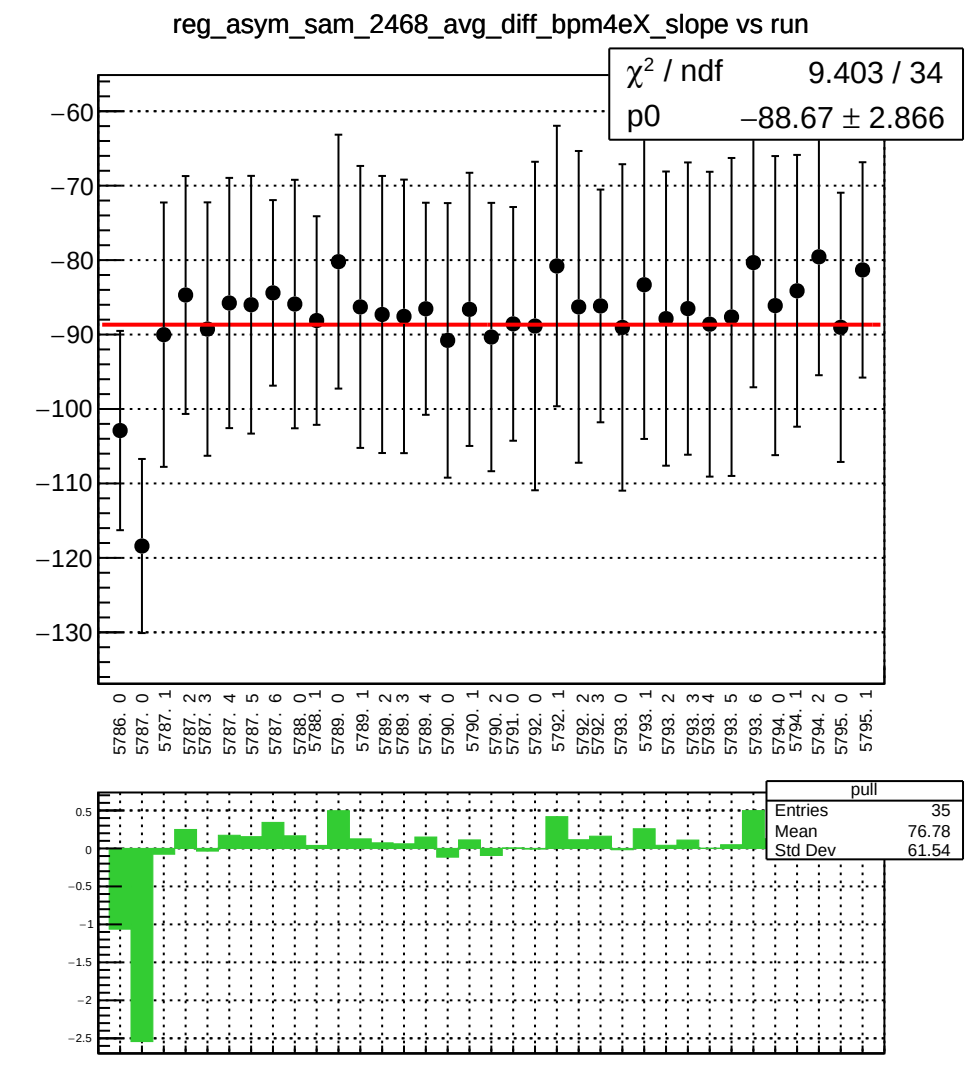

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.55 / 34
p0 −3.127 ± 0.678
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 92.02
Std Dev 76.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.05446
Std Dev 0.6854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

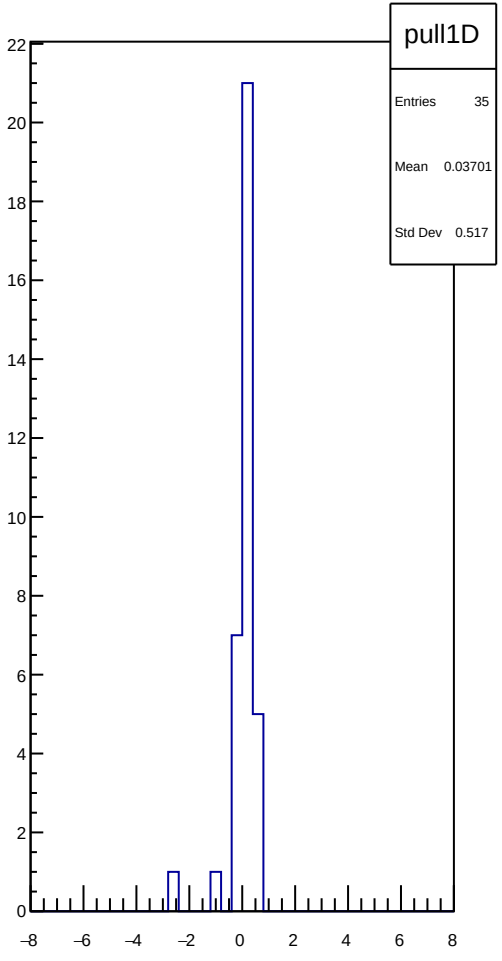

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 5.488 / 34
p0 −0.2907 ± 0.04553
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 21.38
Std Dev 39.54
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean 0.01069
Std Dev 0.3958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

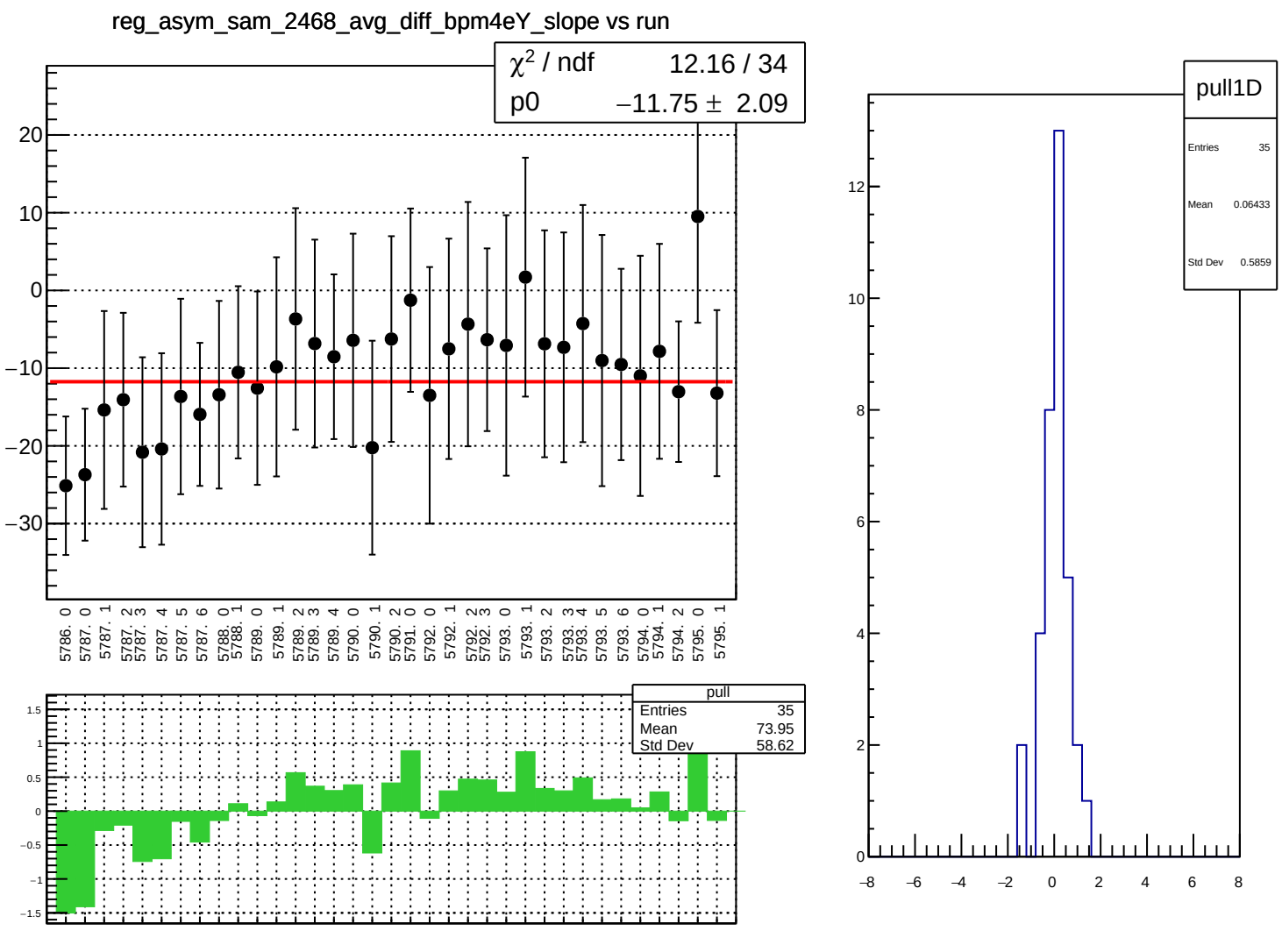

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.567 / 34
p0 −9.397 ± 2.295
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 73.85
Std Dev 59.47
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.03574
Std Dev 0.5216
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

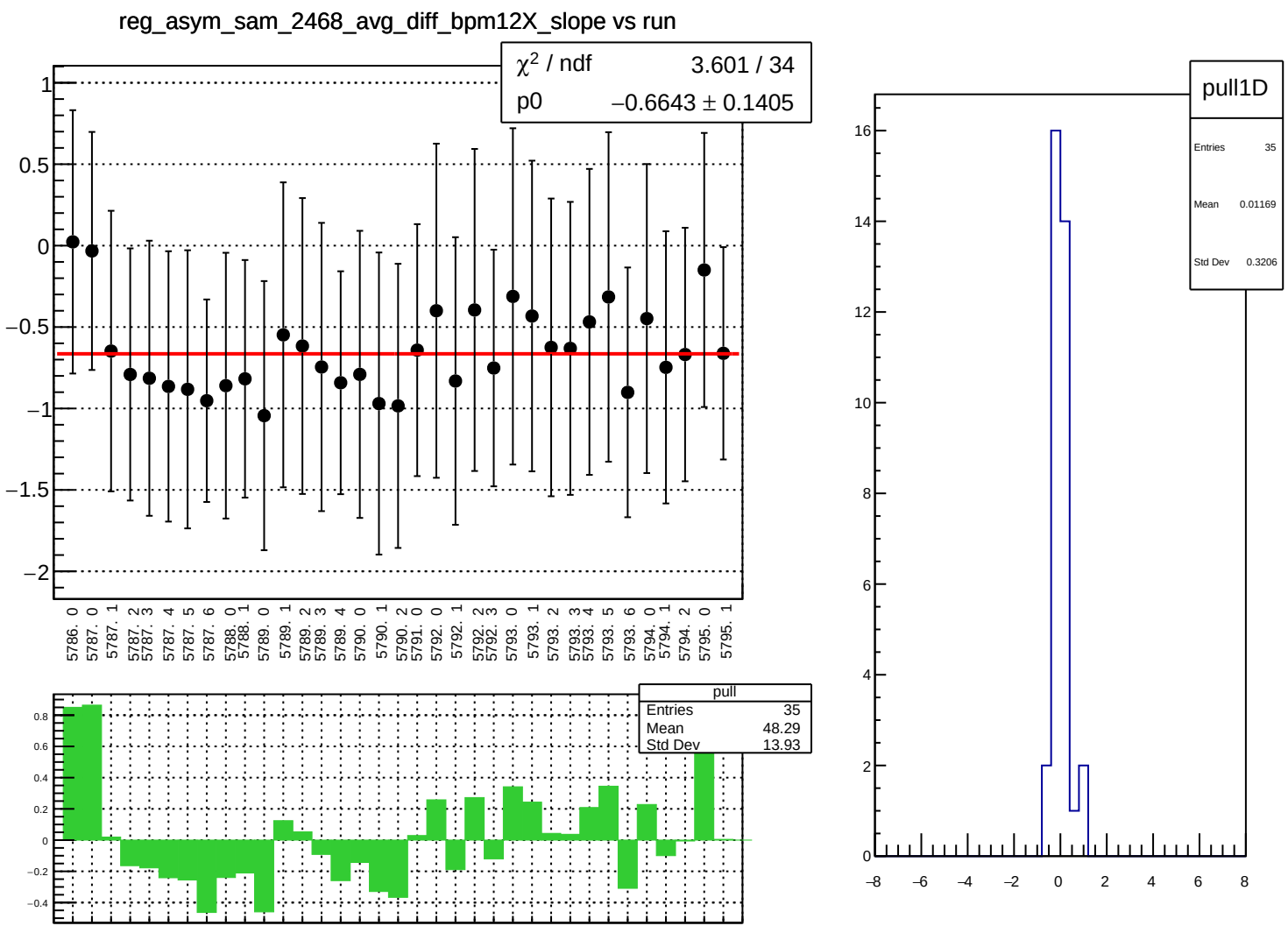

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.22 / 34
p0 −13.94 ± 1.902
pull
Entries 35
Mean 46.43
Std Dev 32.47

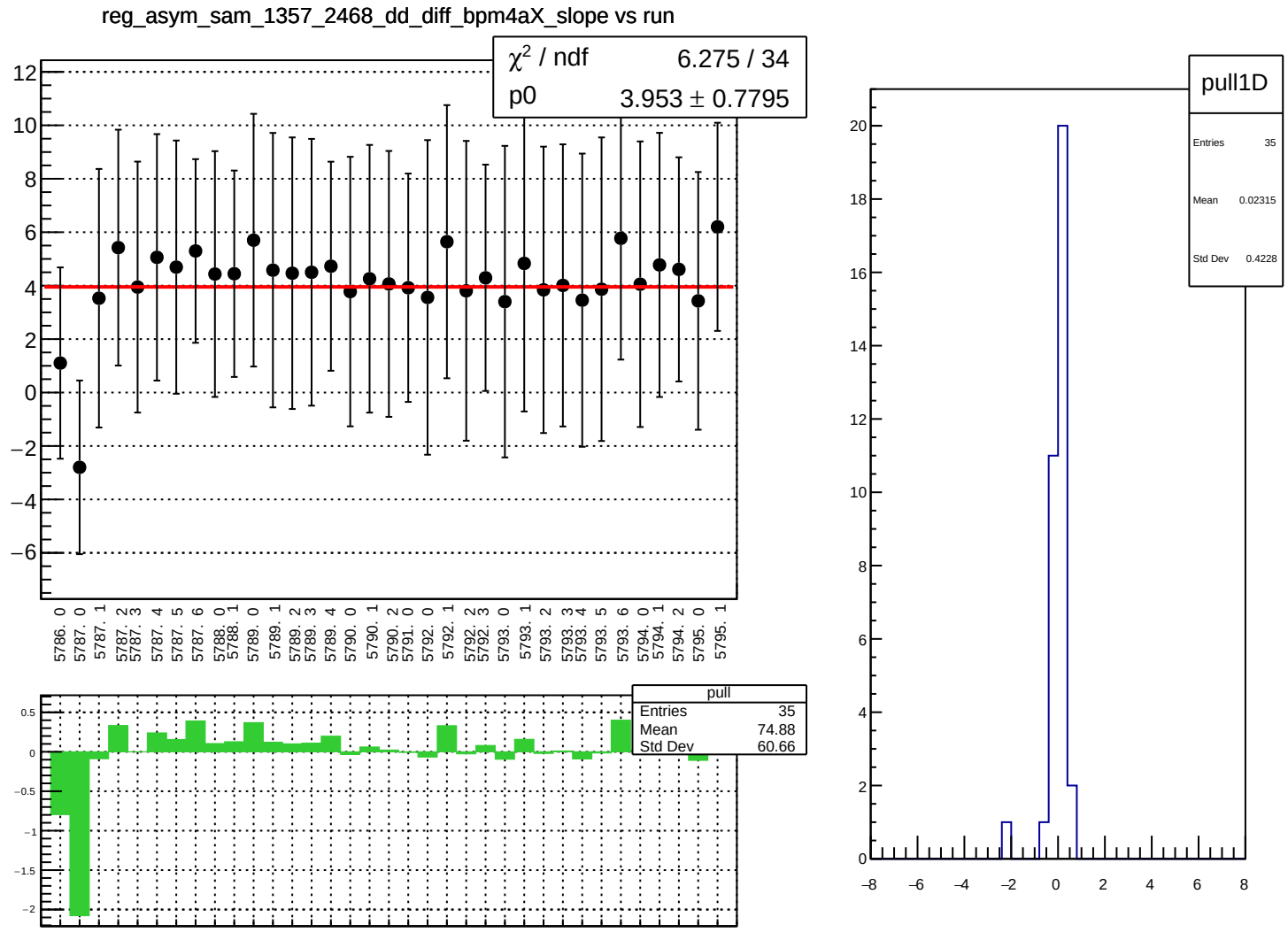

pull1D
Entries 35
Mean −0.0912
Std Dev 0.7157

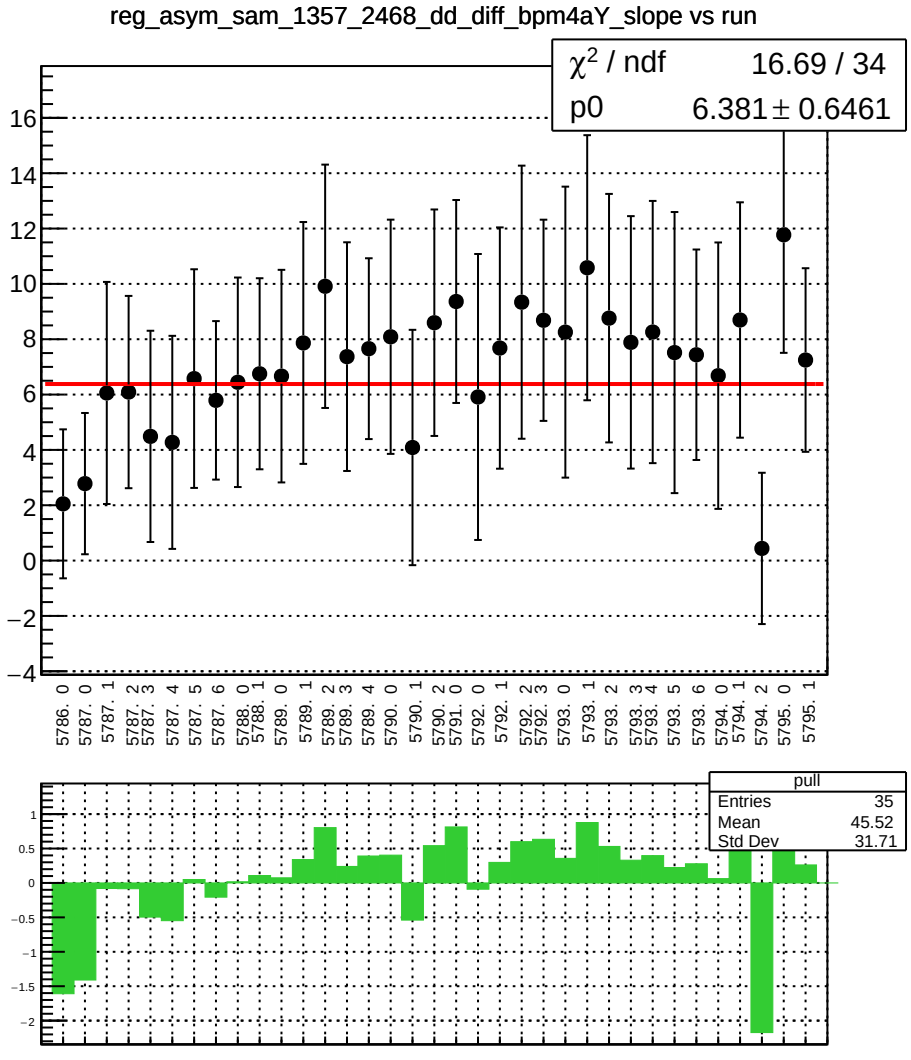

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.403 / 34
p0 −88.67 ± 2.866
pull
Entries 35
Mean 76.78
Std Dev 61.54

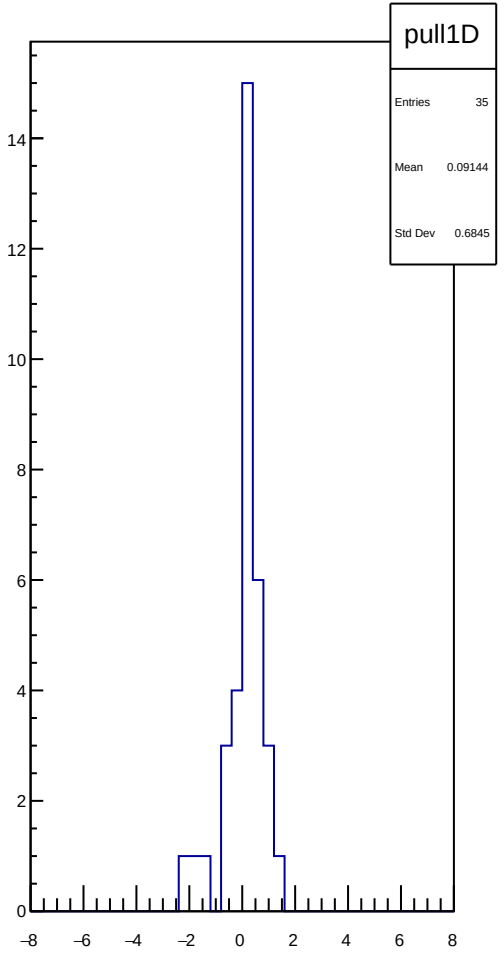

pull1D
Entries 35
Mean 0.03701
Std Dev 0.517

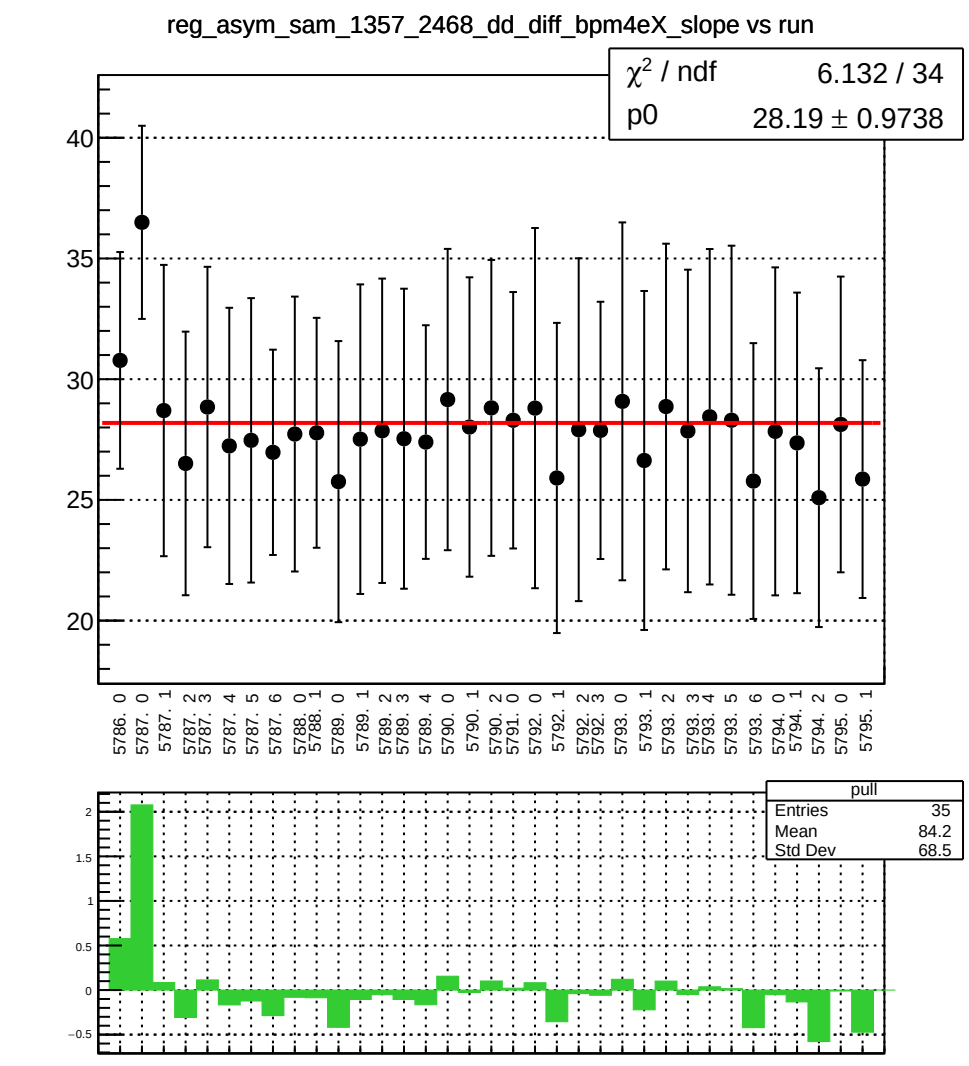

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.16 / 34
p0 −11.75 ± 2.09
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 73.95
Std Dev 58.62
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.06433
Std Dev 0.5859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

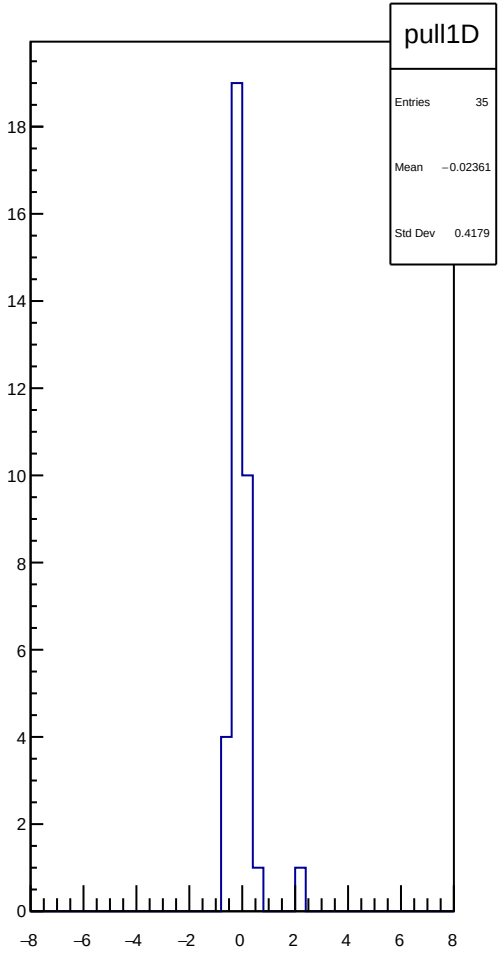

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.601 / 34
p0 −0.6643 ± 0.1405
pull
Entries 35
Mean 48.29
Std Dev 13.93
pull1D
Entries 35
Mean 0.01169
Std Dev 0.3206

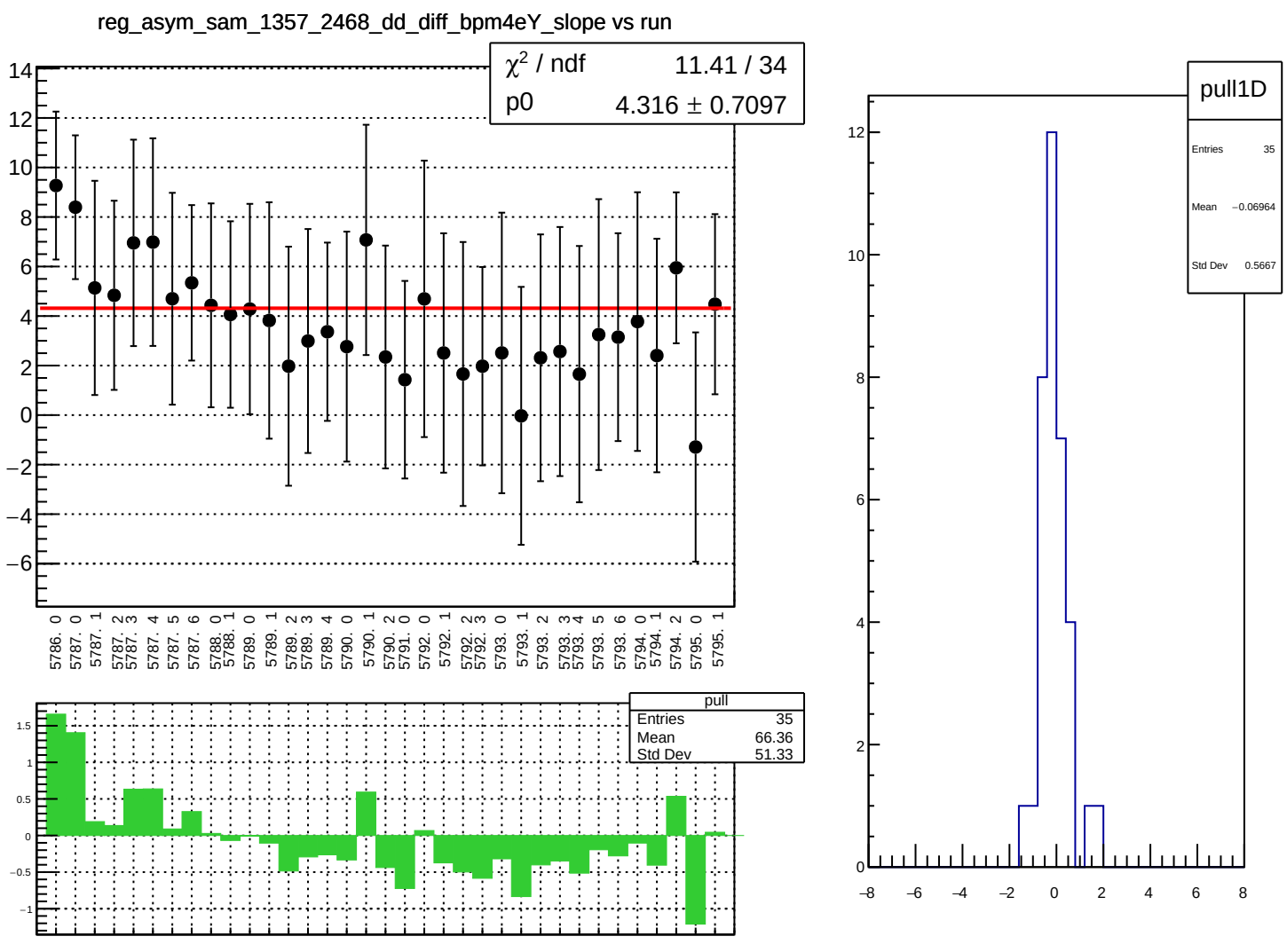

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.275 / 34
p0 3.953 ± 0.7795
pull
Entries 35
Mean 74.88
Std Dev 60.66
pull1D
Entries 35
Mean 0.02315
Std Dev 0.4228

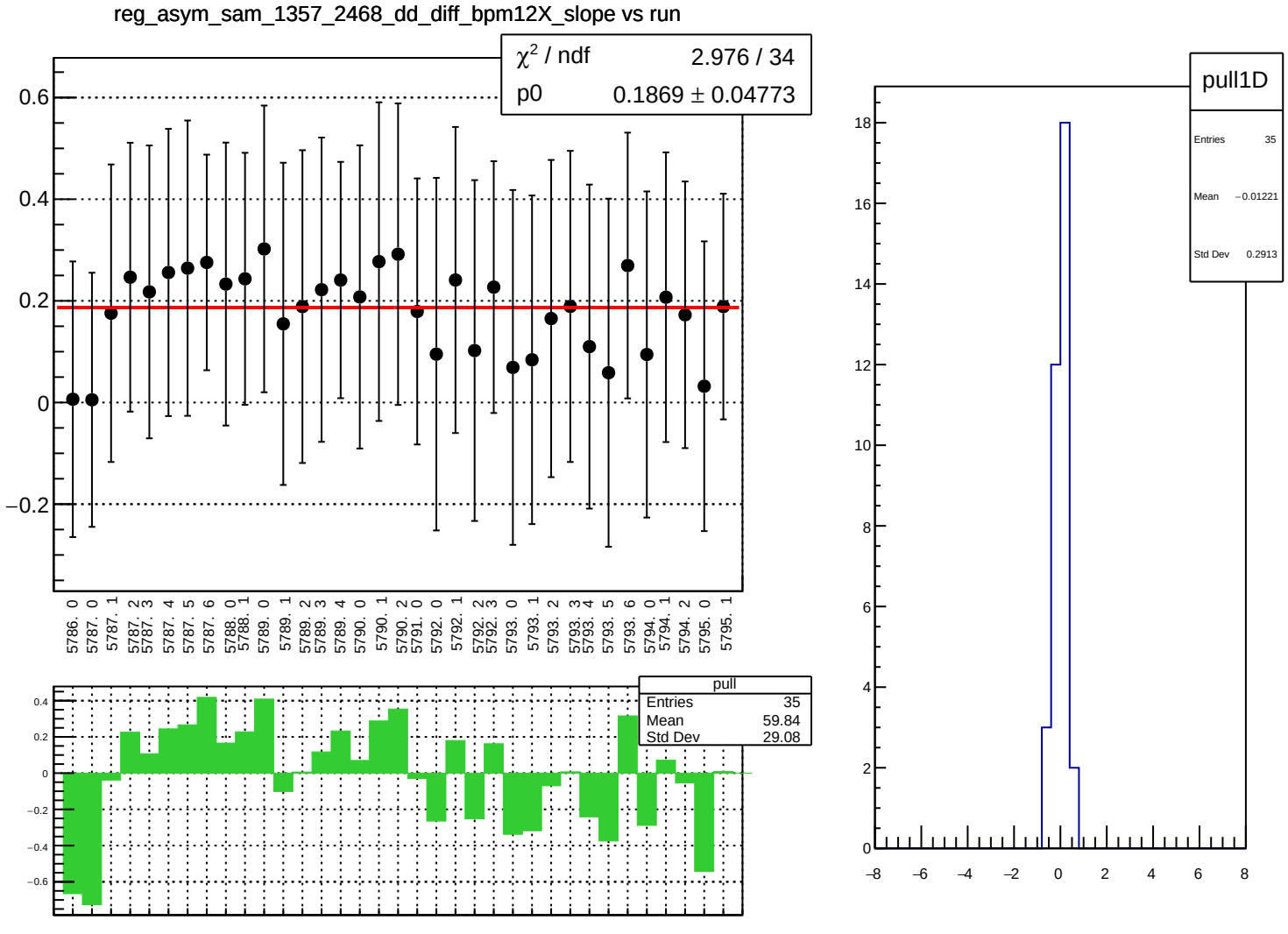

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.69 / 34
p0 6.381 ± 0.6461
pull
Entries 35
Mean 45.52
Std Dev 31.71

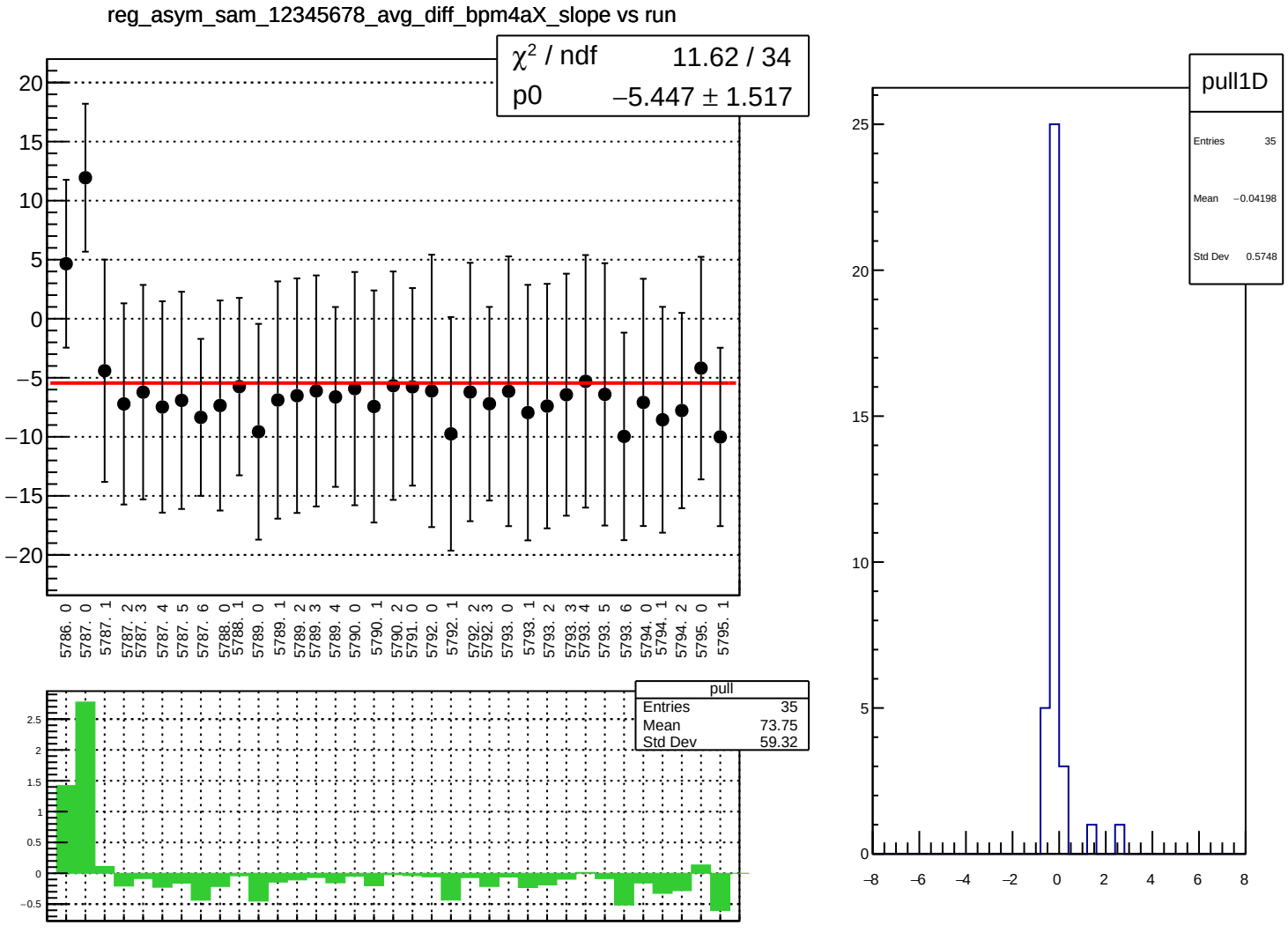

pull1D
Entries 35
Mean 0.09144
Std Dev 0.6845

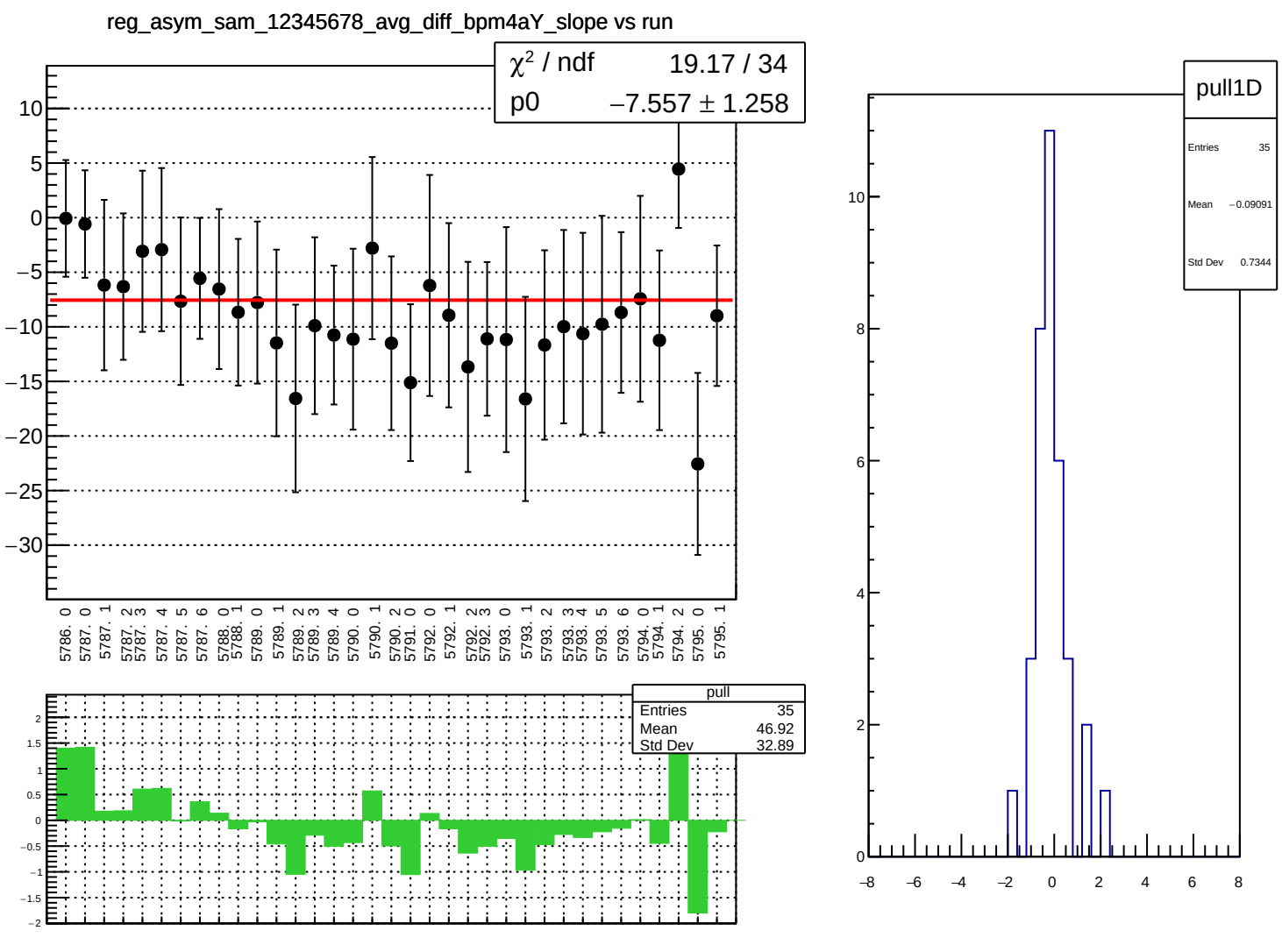

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.132 / 34
p0 28.19 ± 0.9738
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 84.2
Std Dev 68.5
2
1.5
1
0.5
0
−0.5

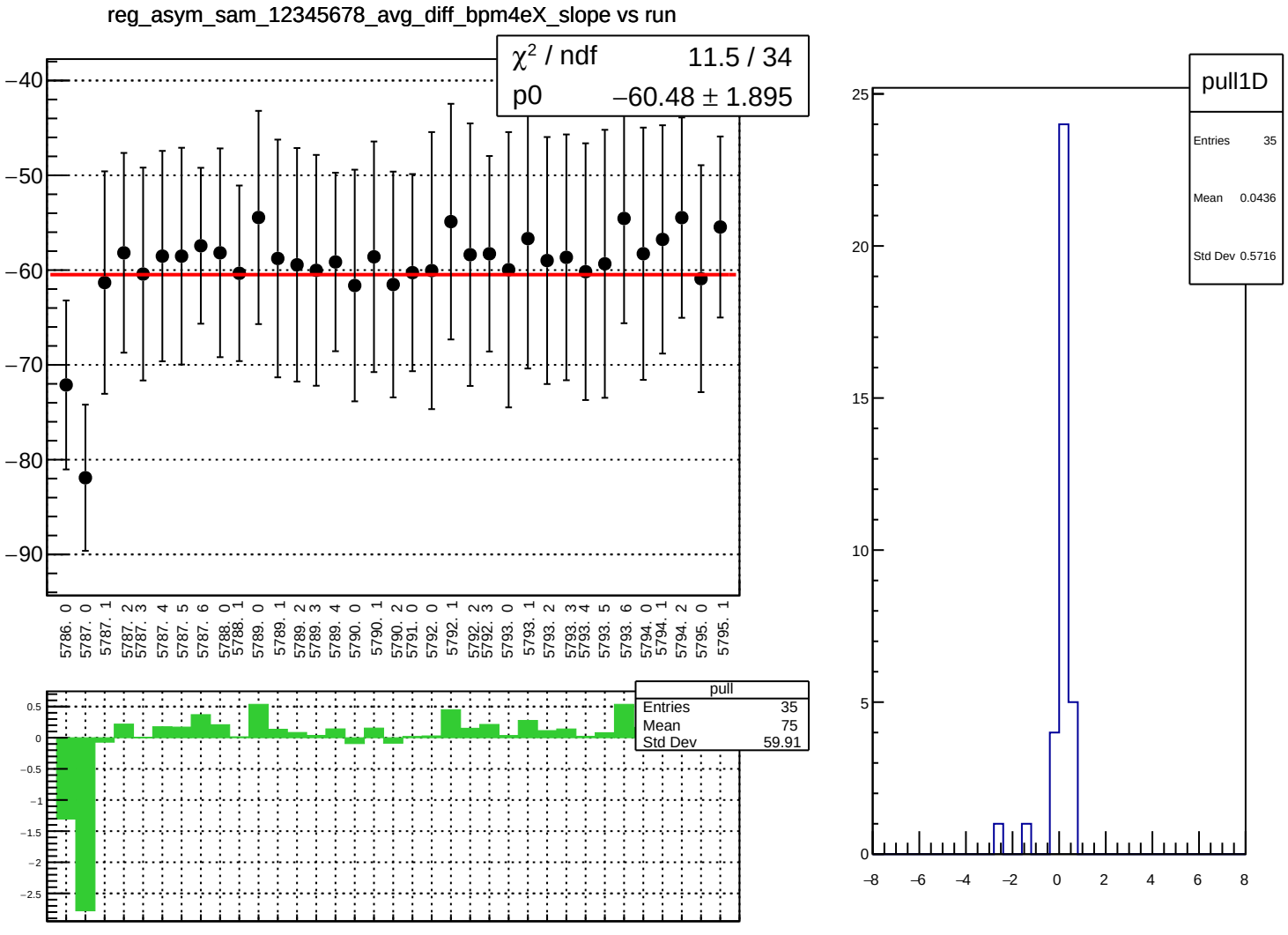

pull1D
Entries 35
Mean −0.02361
Std Dev 0.4179
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

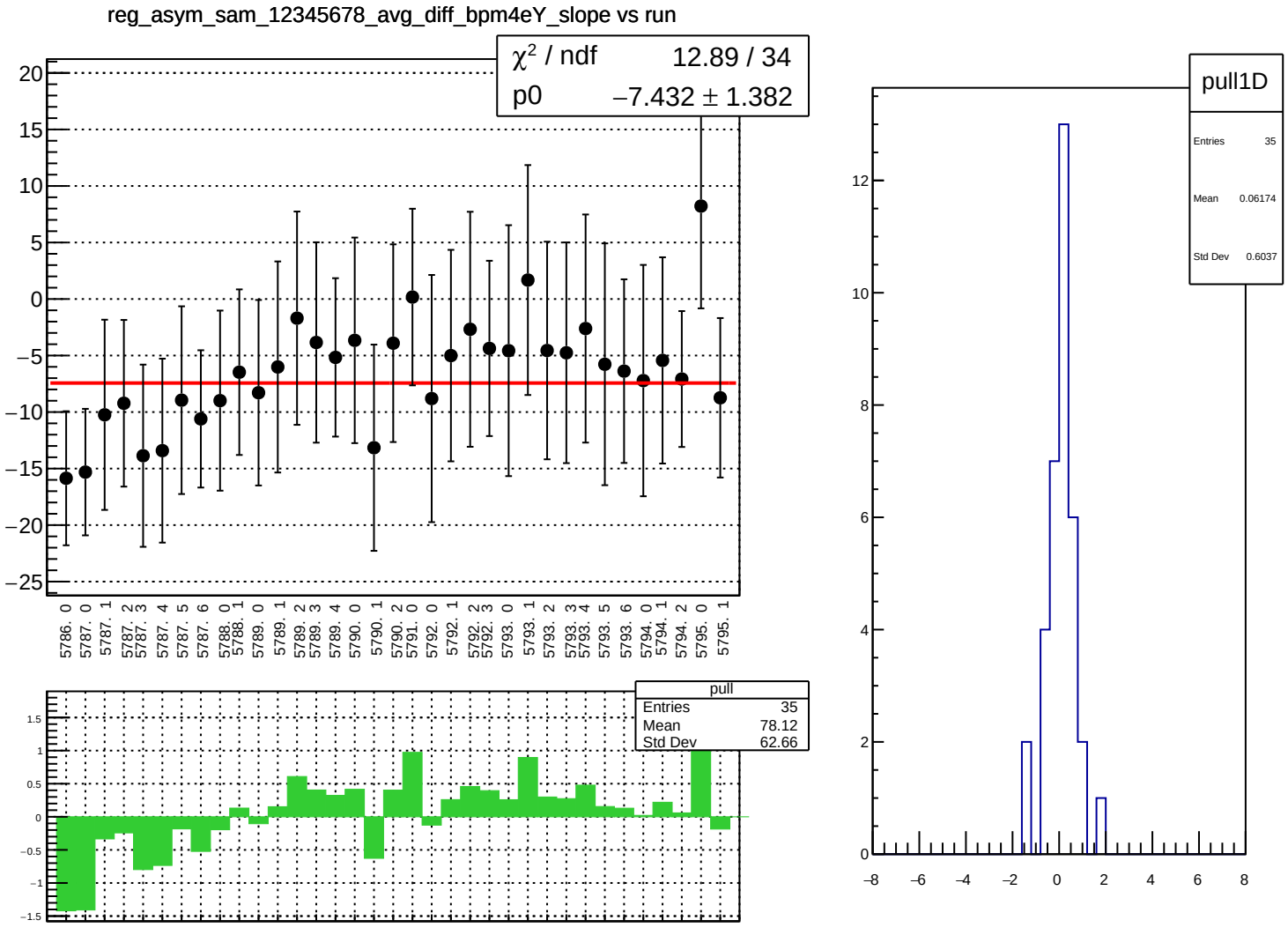

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.41 / 34
p0 4.316 ± 0.7097
pull
Entries 35
Mean 66.36
Std Dev 51.33
pull1D
Entries 35
Mean −0.06964
Std Dev 0.5667

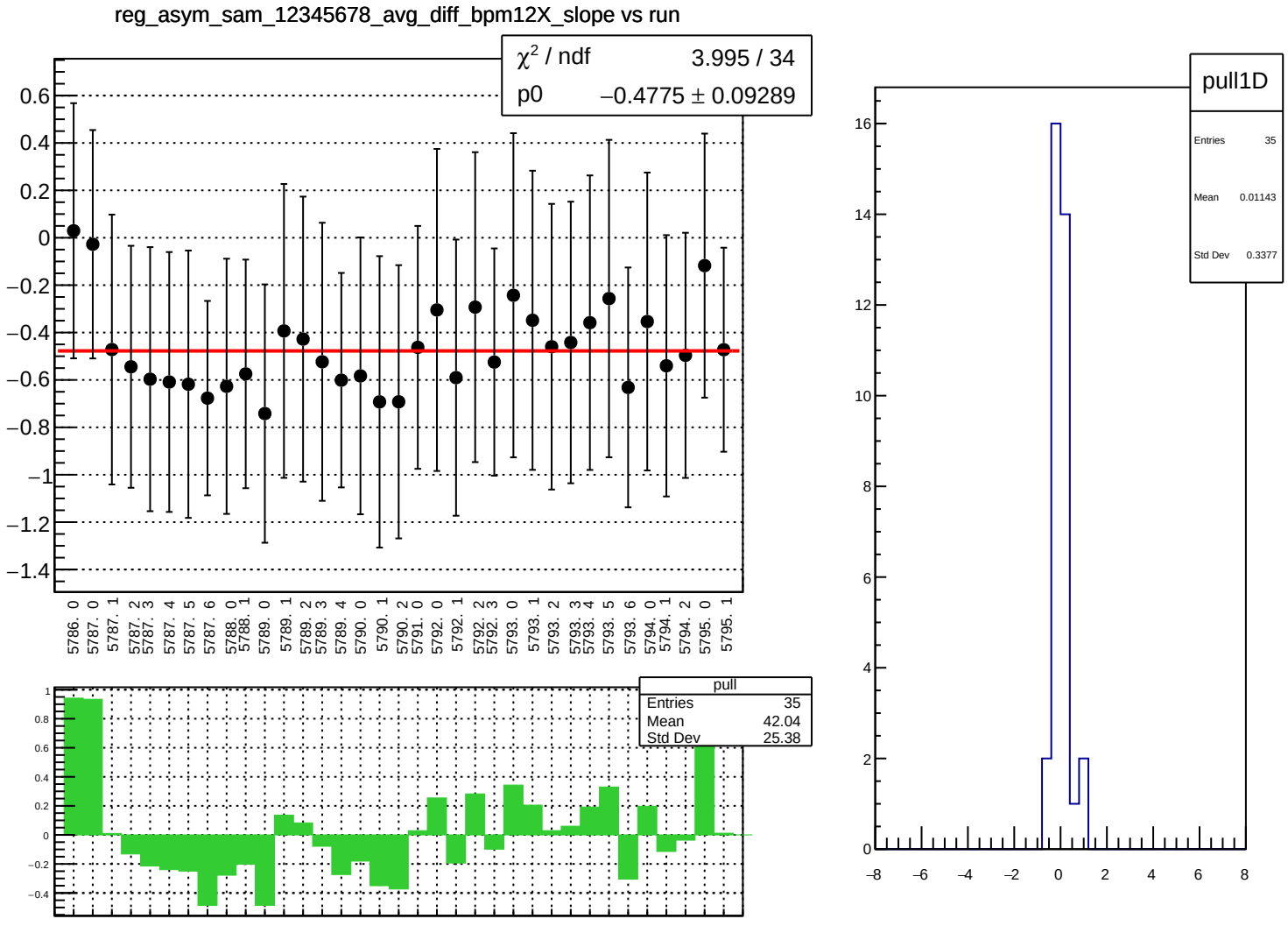

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.976 / 34
p0 0.1869 ± 0.04773
0.6
0.4
0.2
0
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 59.84
Std Dev 29.08
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean −0.01221
Std Dev 0.2913
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

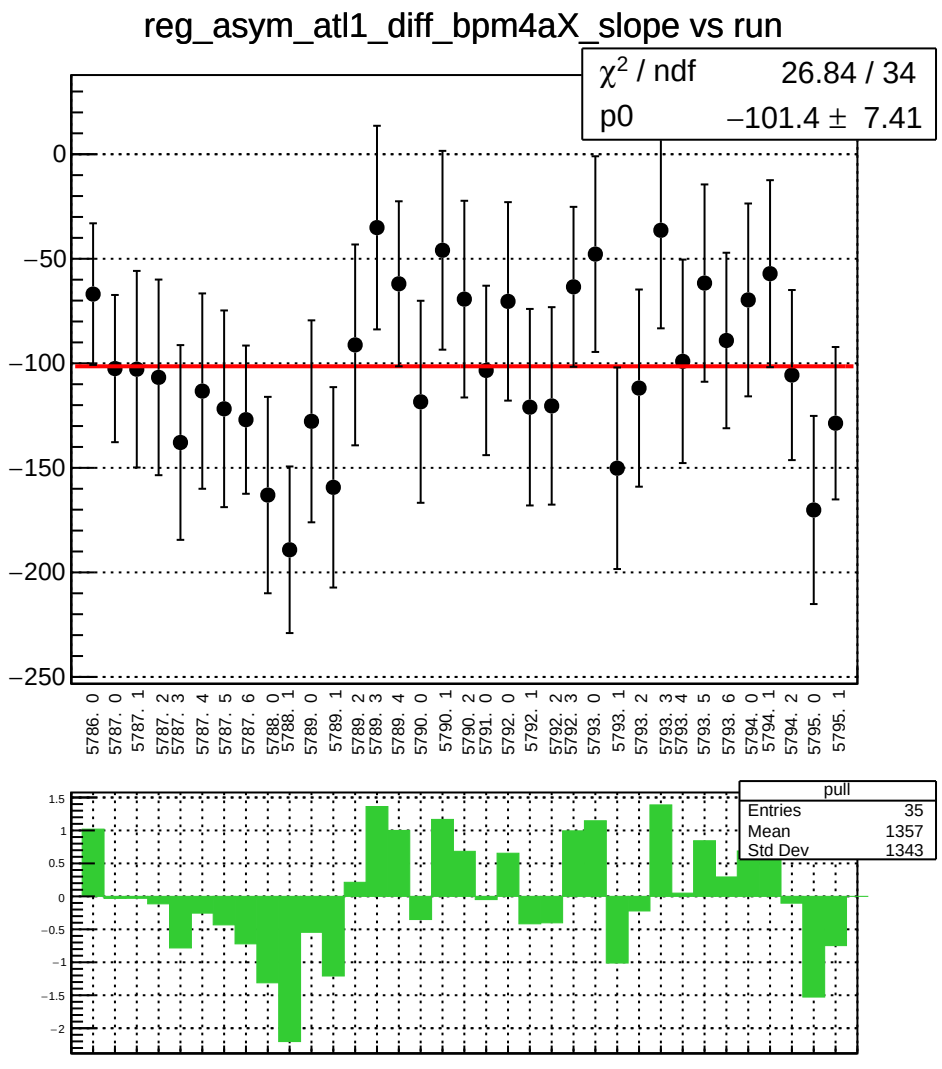

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.62 / 34
p0 −5.447 ± 1.517
20
15
10
5
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 73.75
Std Dev 59.32
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 35
Mean −0.04198
Std Dev 0.5748
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

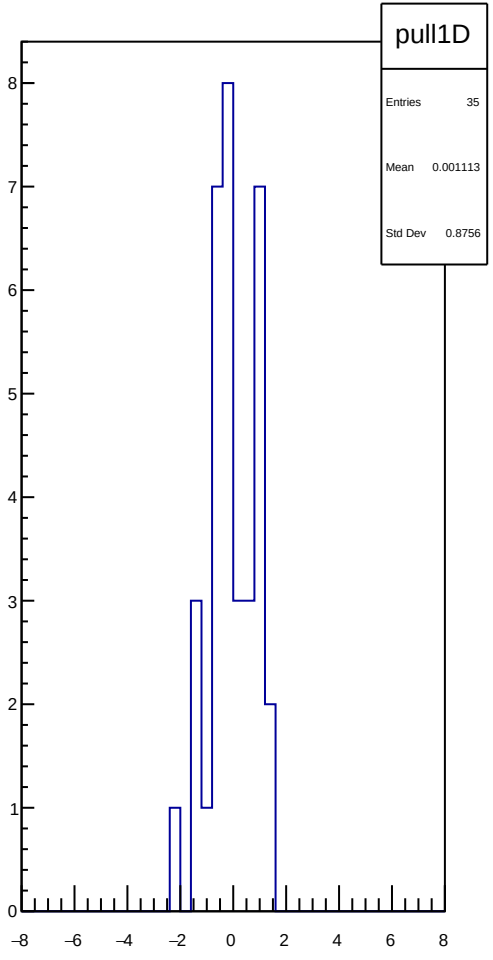

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.17 / 34
p0 −7.557 ± 1.258
10
5
0
−5
−10
−15
−20
−25
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 46.92
Std Dev 32.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.09091
Std Dev 0.7344
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

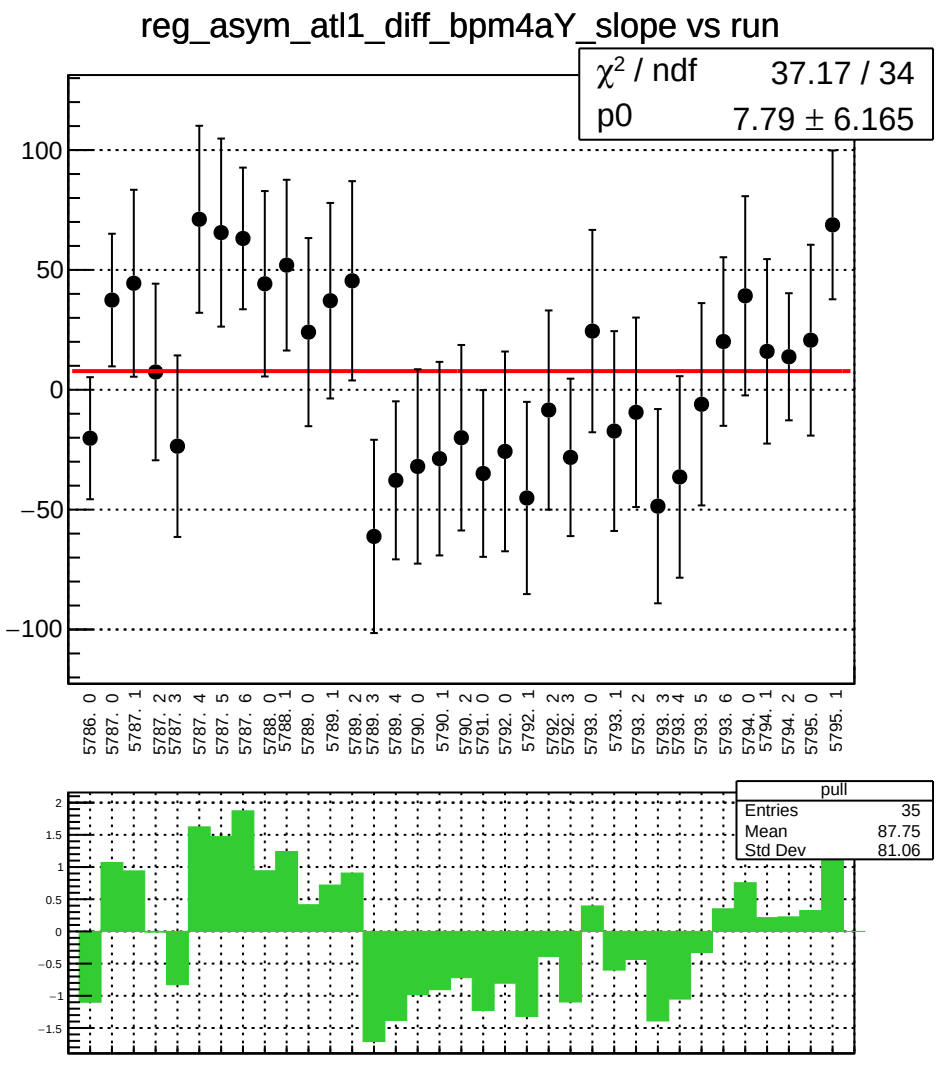

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.5 / 34
p0 −60.48 ± 1.895
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 75
Std Dev 59.91
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.0436
Std Dev 0.5716
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

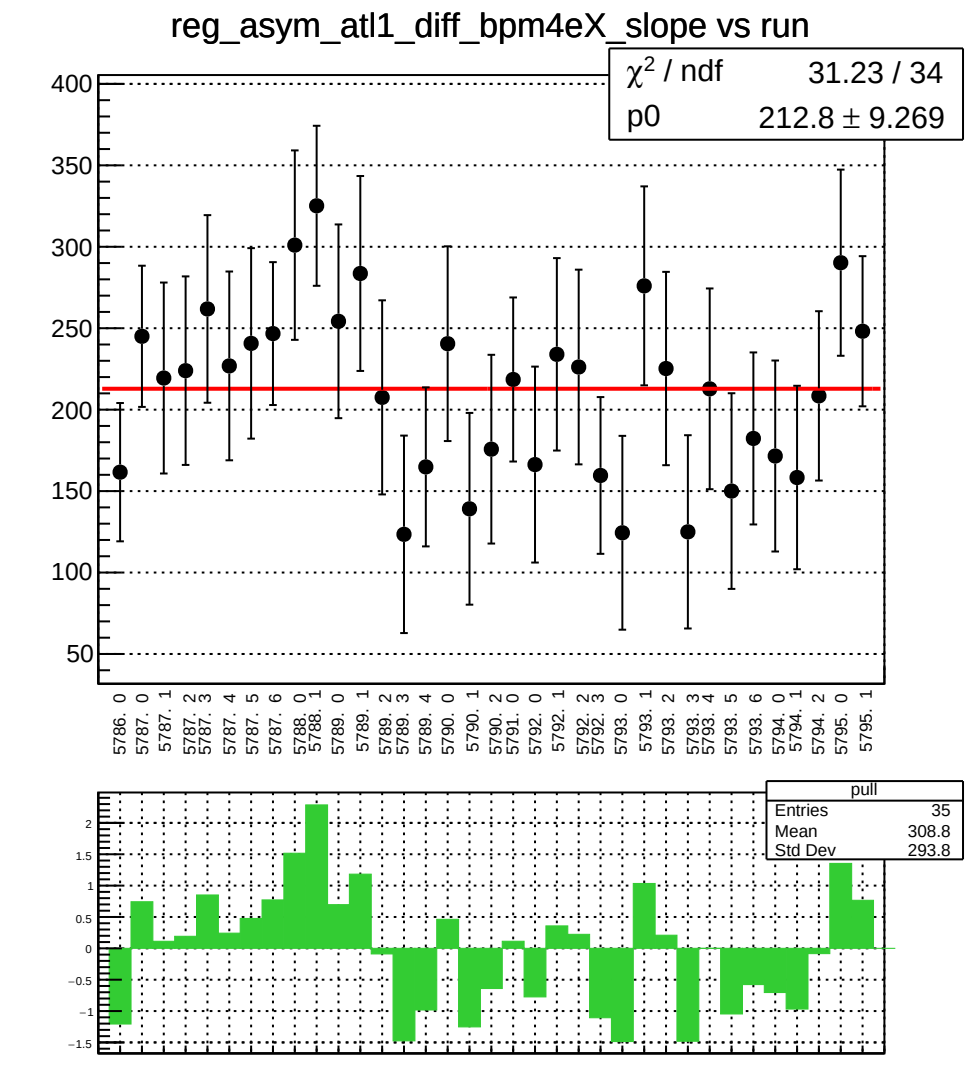

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.89 / 34
p0 −7.432 ± 1.382
pull
Entries 35
Mean 78.12
Std Dev 62.66
pull1D
Entries 35
Mean 0.06174
Std Dev 0.6037

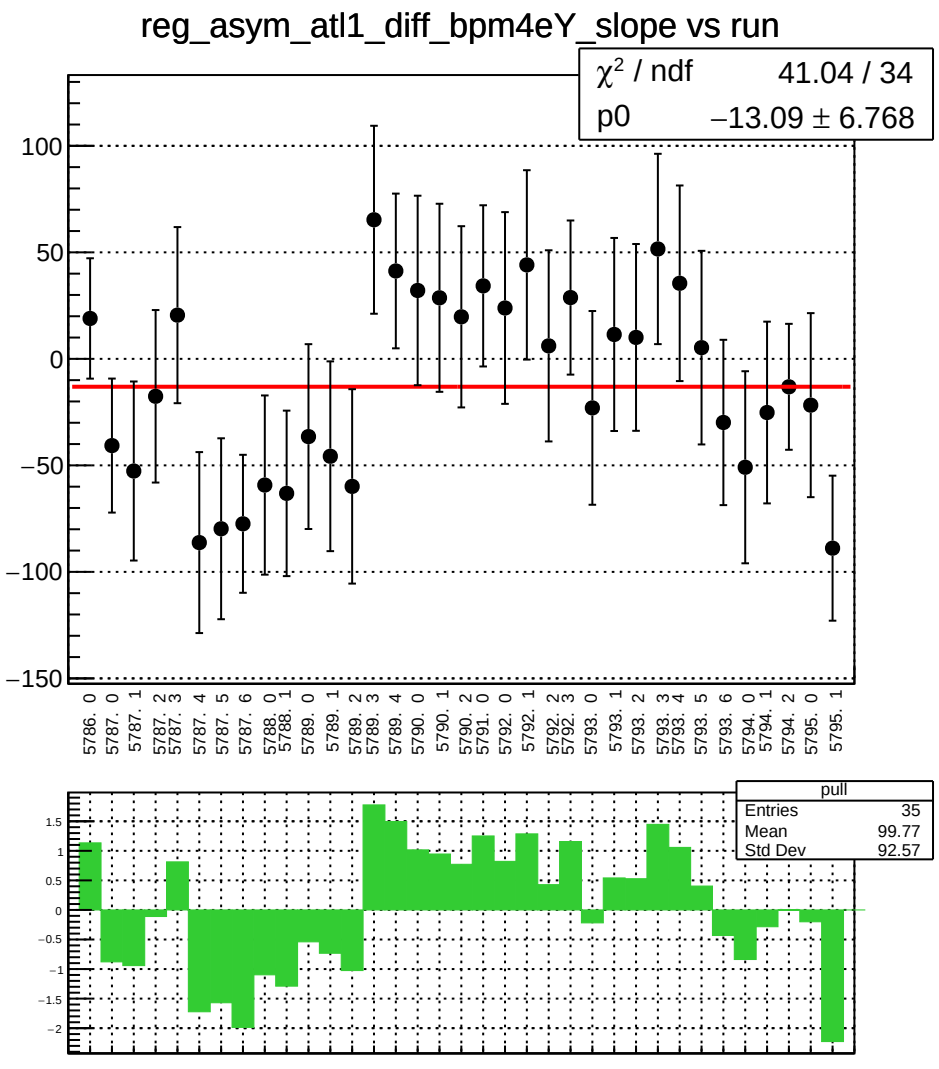

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.995 / 34
p0 −0.4775 ± 0.09289
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 42.04
Std Dev 25.38
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 35
Mean 0.01143
Std Dev 0.3377
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

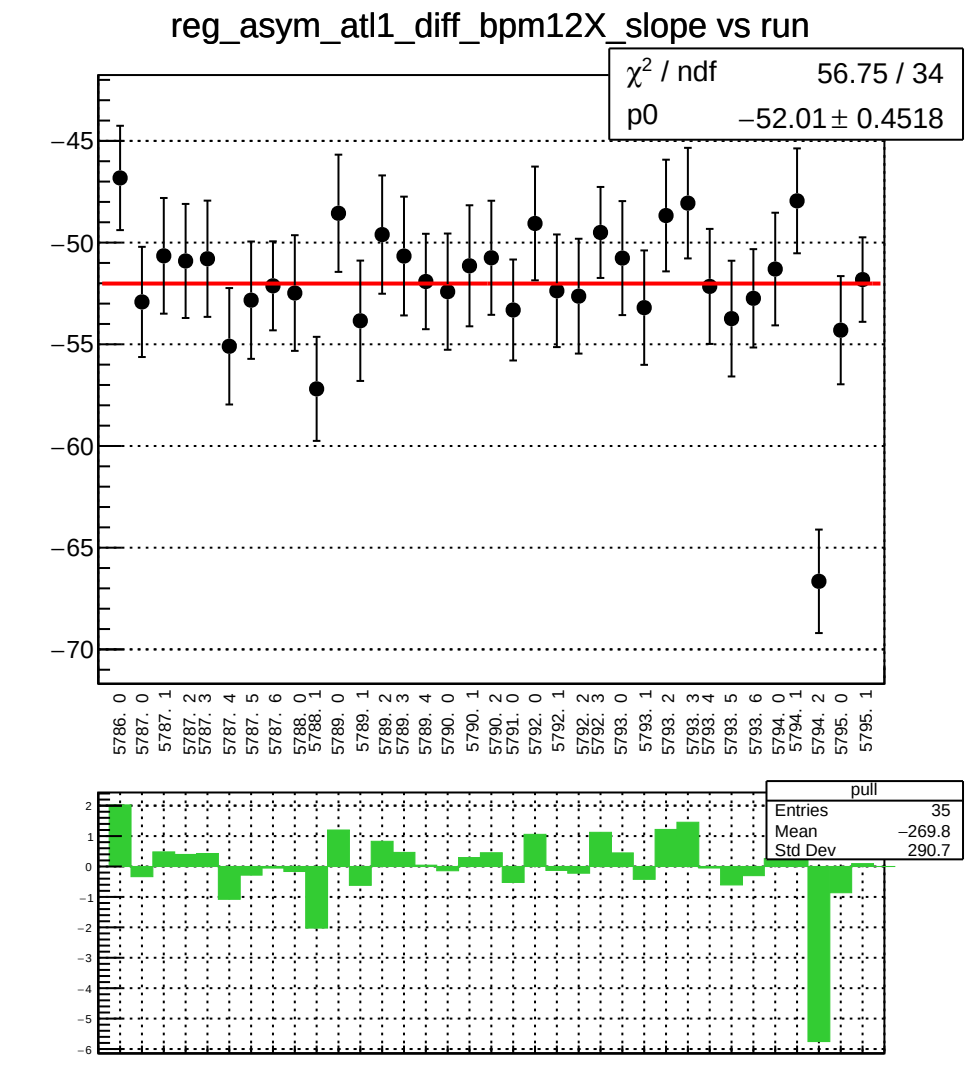

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 26.84 / 34
p0 −101.4 ± 7.41
0
−50
−100
−150
−200
−250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1357
Std Dev 1343
1.5
1
0.5
0
−0.5
−1
−1.5
−2

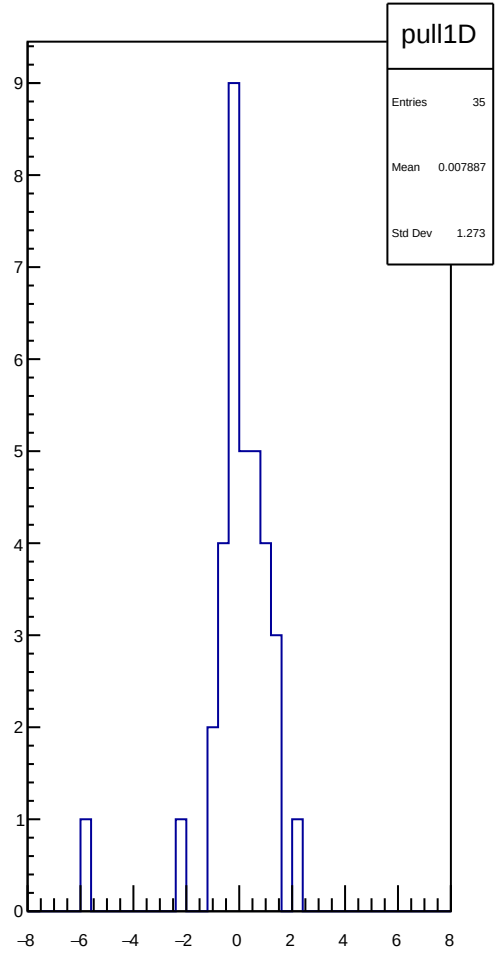

pull1D
Entries 35
Mean 0.001113
Std Dev 0.8756
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

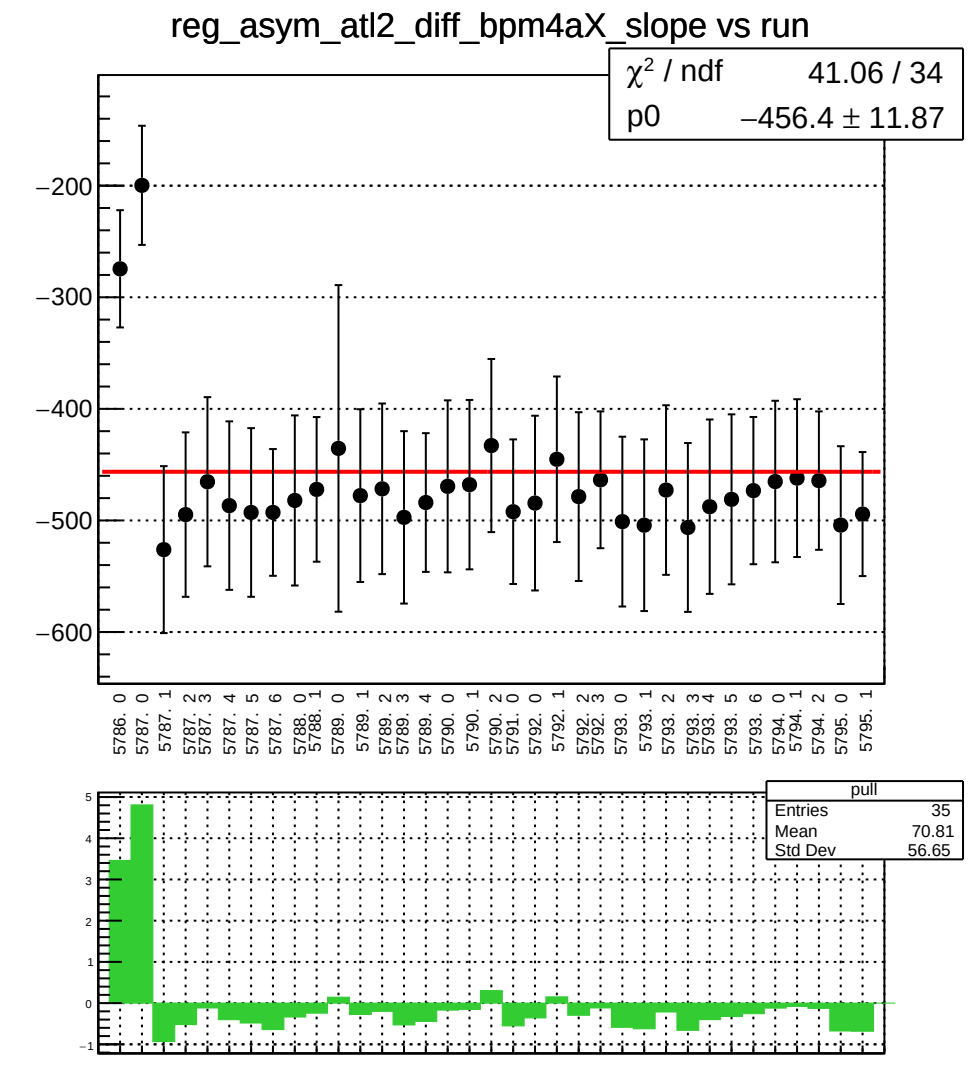

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 37.17 / 34
p0 7.79 ± 6.165
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 87.75
Std Dev 81.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.02405
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

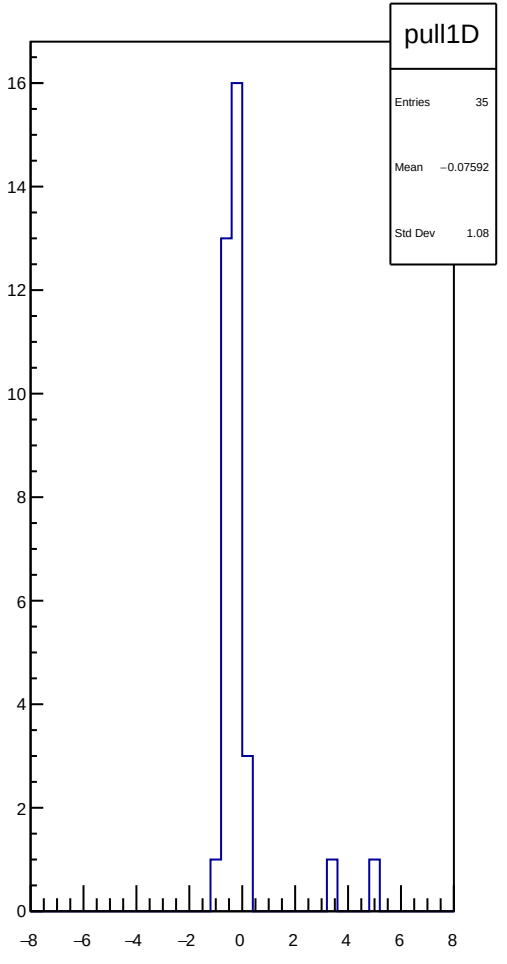

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 31.23 / 34
p0 212.8 ± 9.269
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 308.8
Std Dev 293.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.008144
Std Dev 0.9446
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

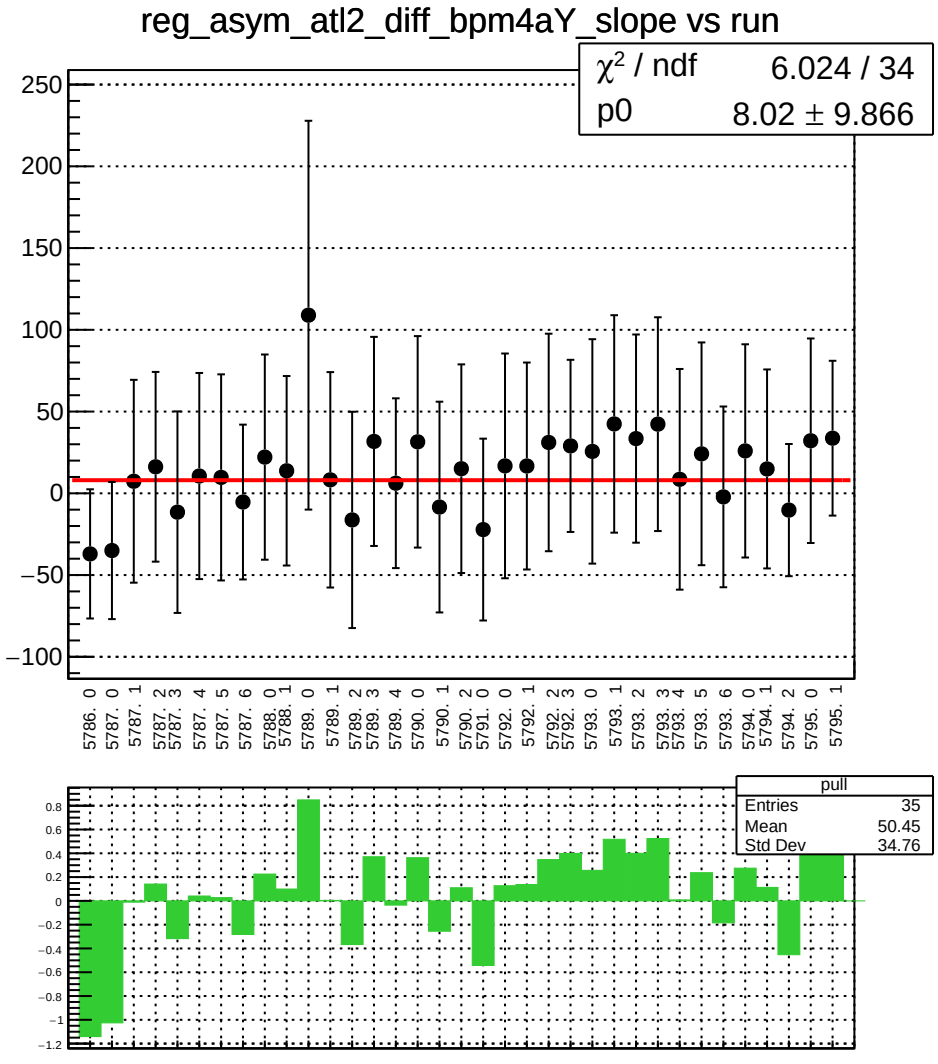

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 41.04 / 34
p0 −13.09 ± 6.768
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 99.77
Std Dev 92.57
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.02239
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

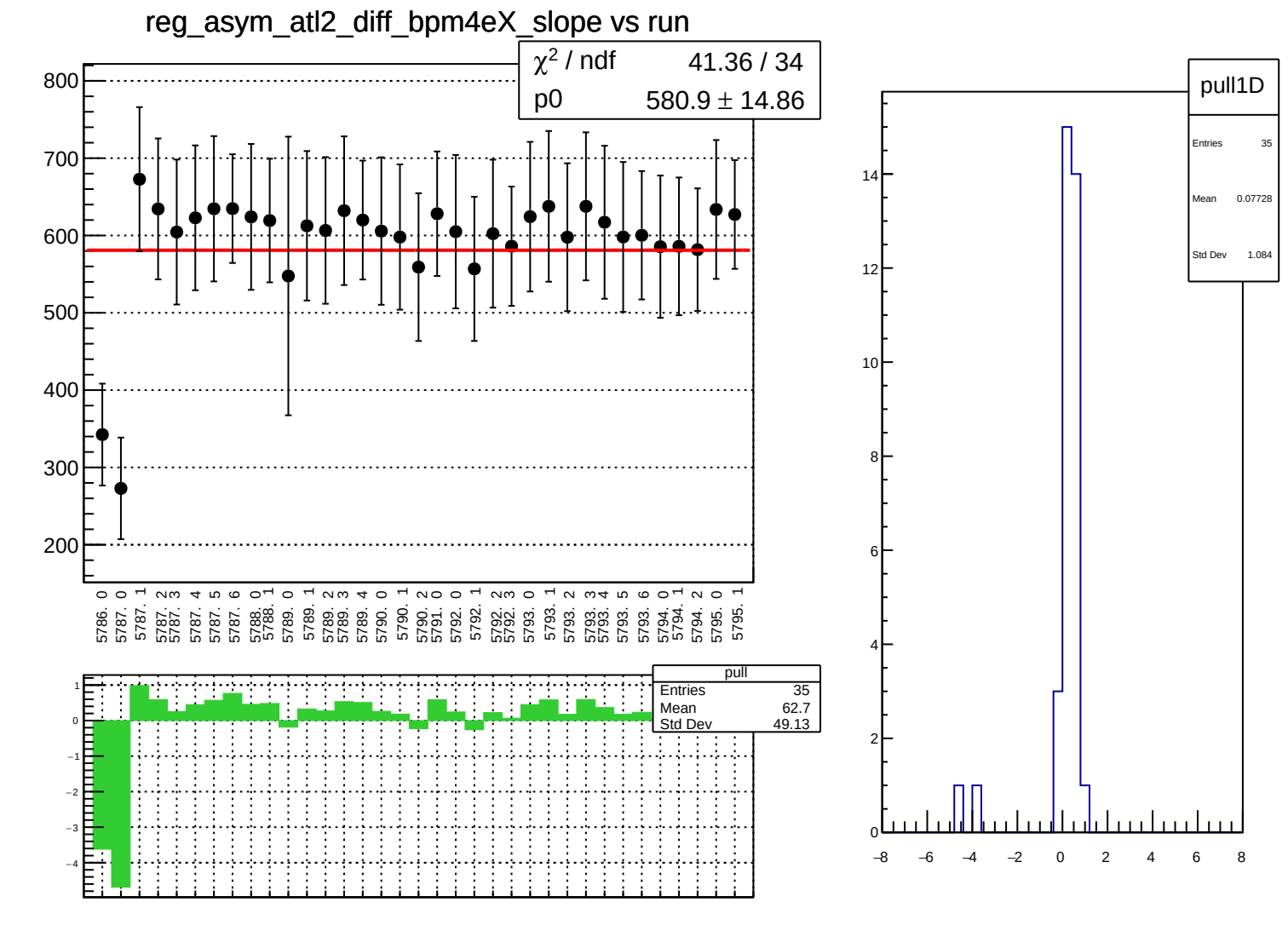

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 56.75 / 34
p0 −52.01 ± 0.4518
pull
Entries 35
Mean −269.8
Std Dev 290.7

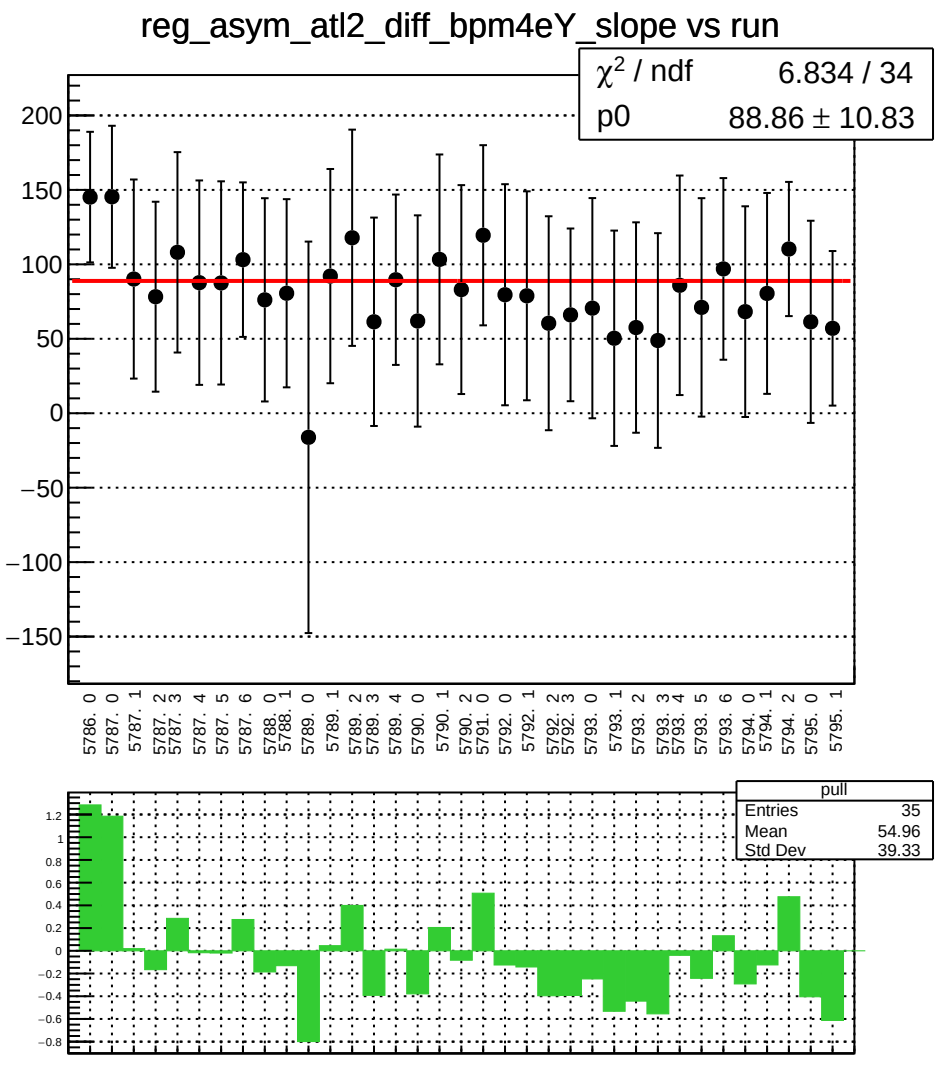

pull1D
Entries 35
Mean 0.007887
Std Dev 1.273

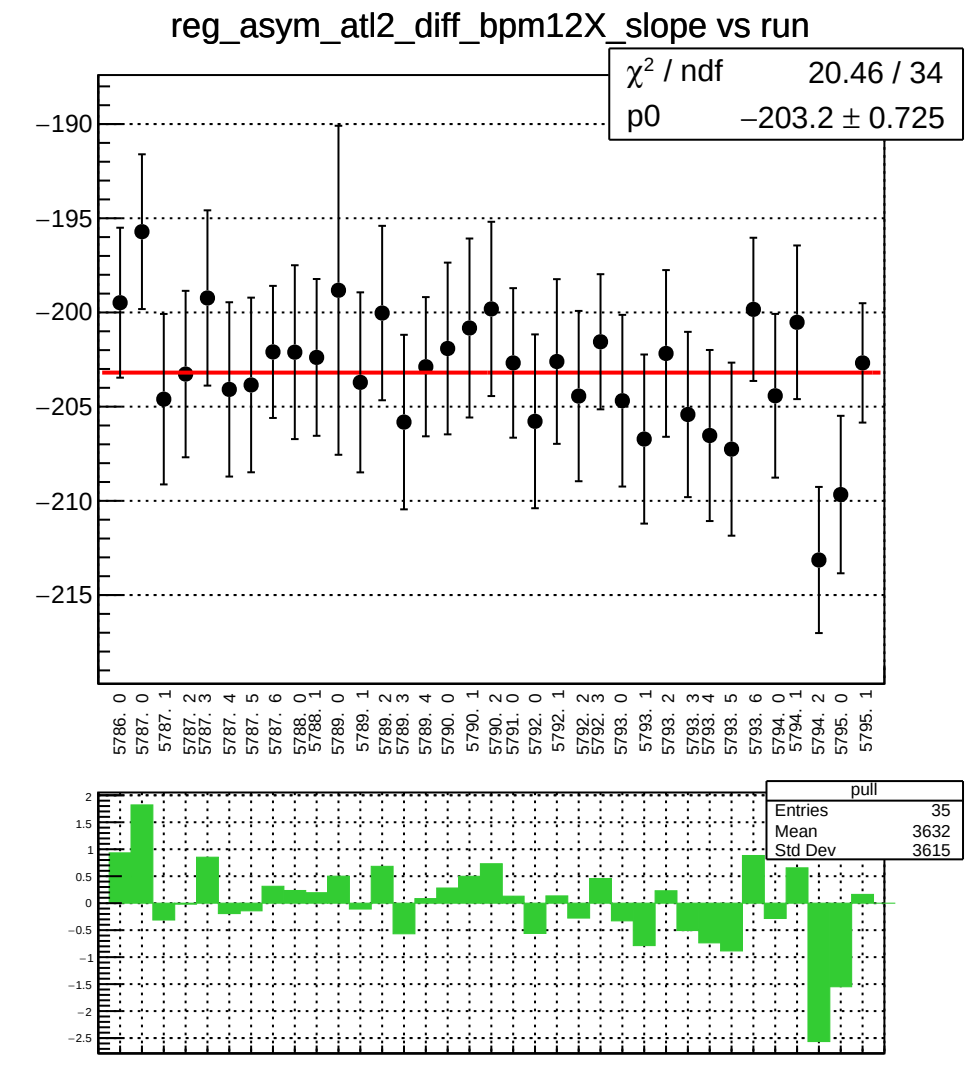

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 41.06 / 34
p0 −456.4 ± 11.87
−200
−300
−400
−500
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.81
Std Dev 56.65
5
4
3
2
1
0
−1

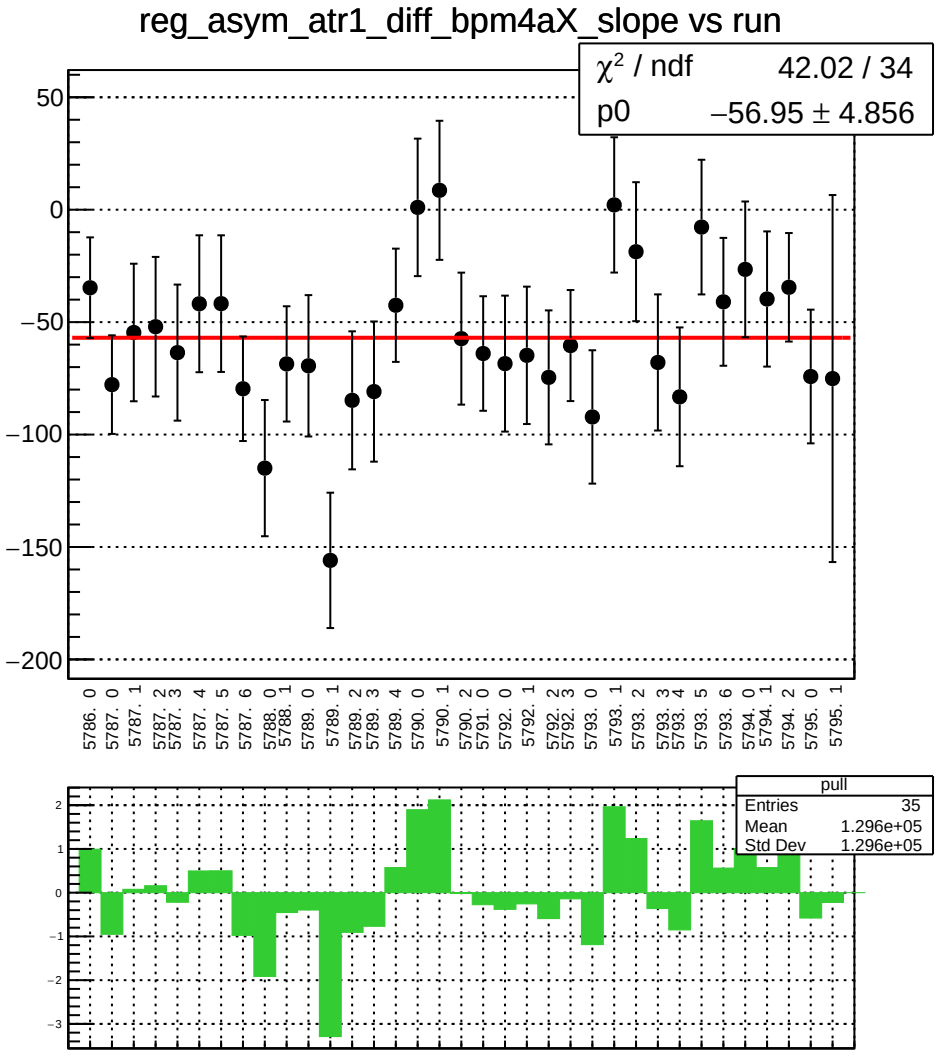

pull1D
Entries 35
Mean −0.07592
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.024 / 34
p0 8.02 ± 9.866
250
200
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 50.45
Std Dev 34.76
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 35
Mean 0.0539
Std Dev 0.4113
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 41.36 / 34
p0 580.9 ± 14.86
800
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 62.7
Std Dev 49.13
1
0
−1
−2
−3
−4
pull1D
Entries 35
Mean 0.07728
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.834 / 34
p0 88.86 ± 10.83
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 54.96
Std Dev 39.33
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.05407
Std Dev 0.4386
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 20.46 / 34
p0 −203.2 ± 0.725
−190
−195
−200
−205
−210
−215
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 3632
Std Dev 3615
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean −0.001031
Std Dev 0.7645
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 42.02 / 34
p0 −56.95 ± 4.856
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1.296e+05
Std Dev 1.296e+05
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean 1.9e−05
Std Dev 1.096
9
8
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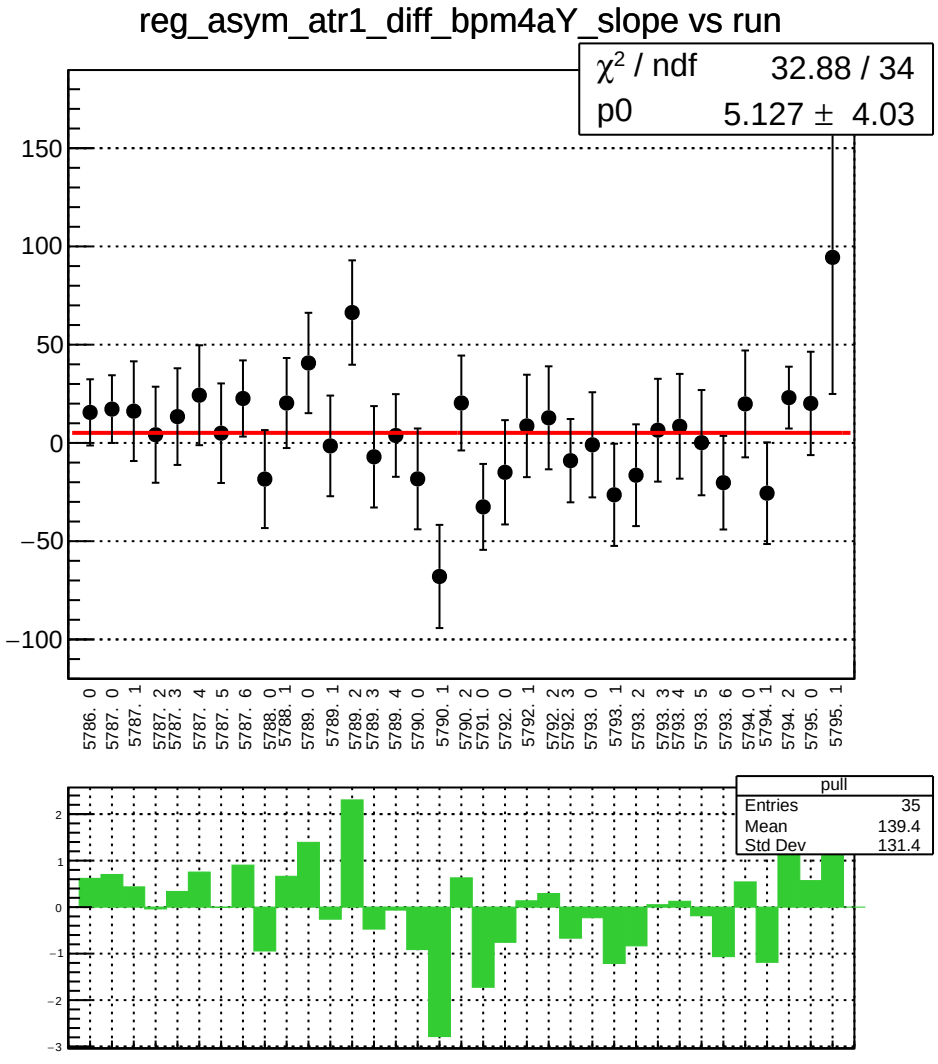
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 32.88 / 34
p0 5.127 ± 4.03
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 139.4
Std Dev 131.4
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean −0.01313
Std Dev 0.9691
8
7
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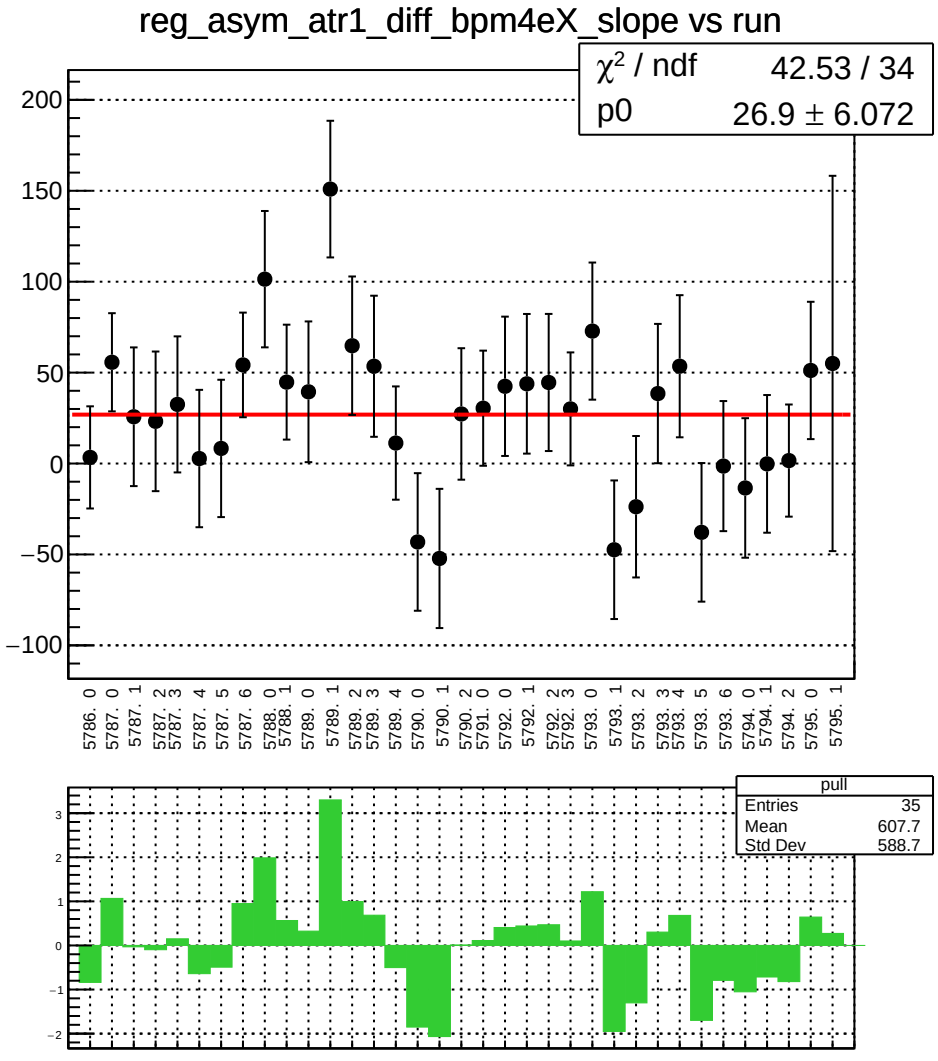
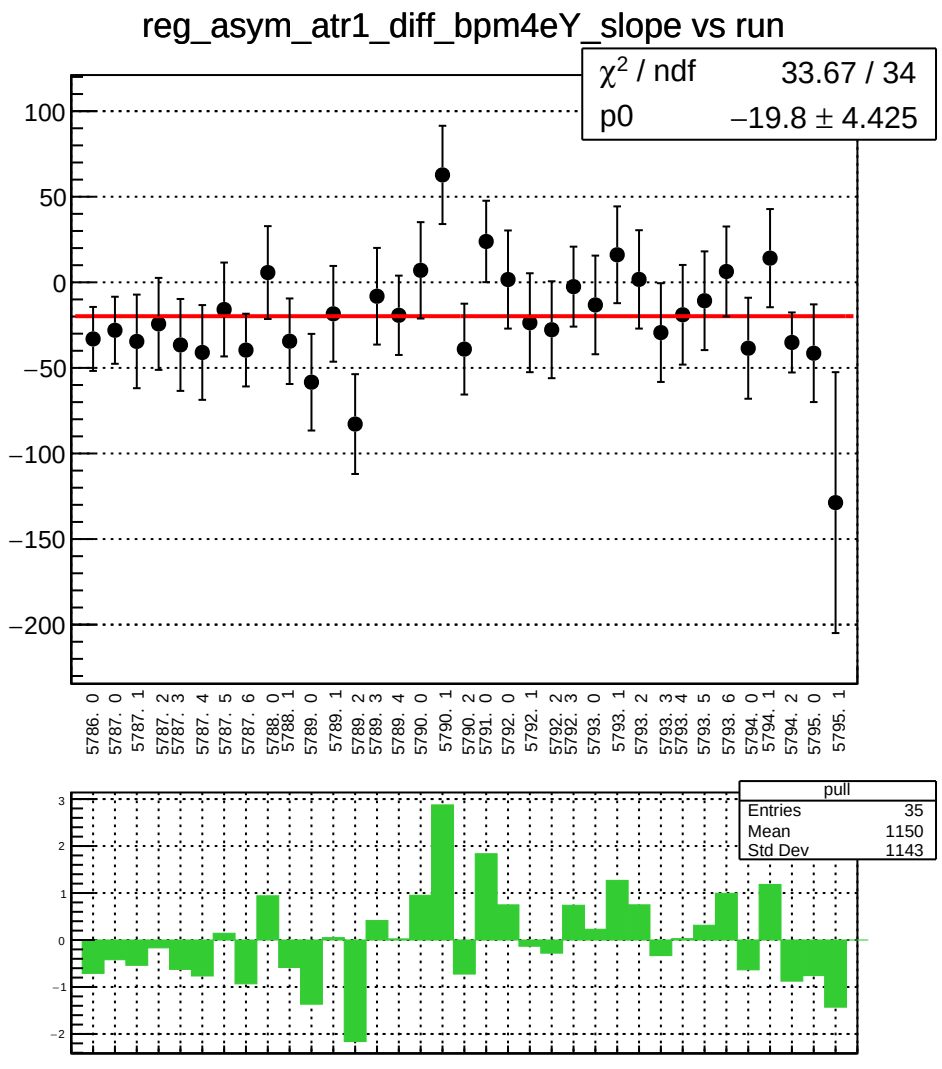
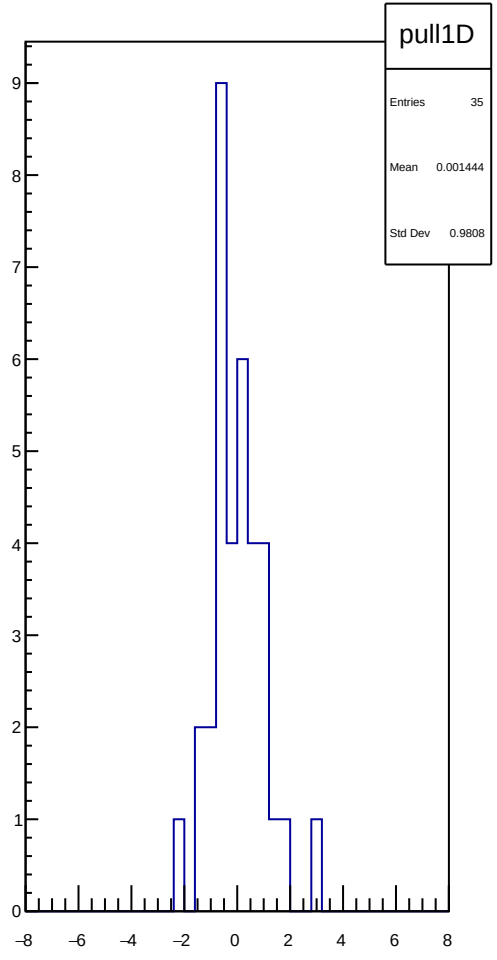
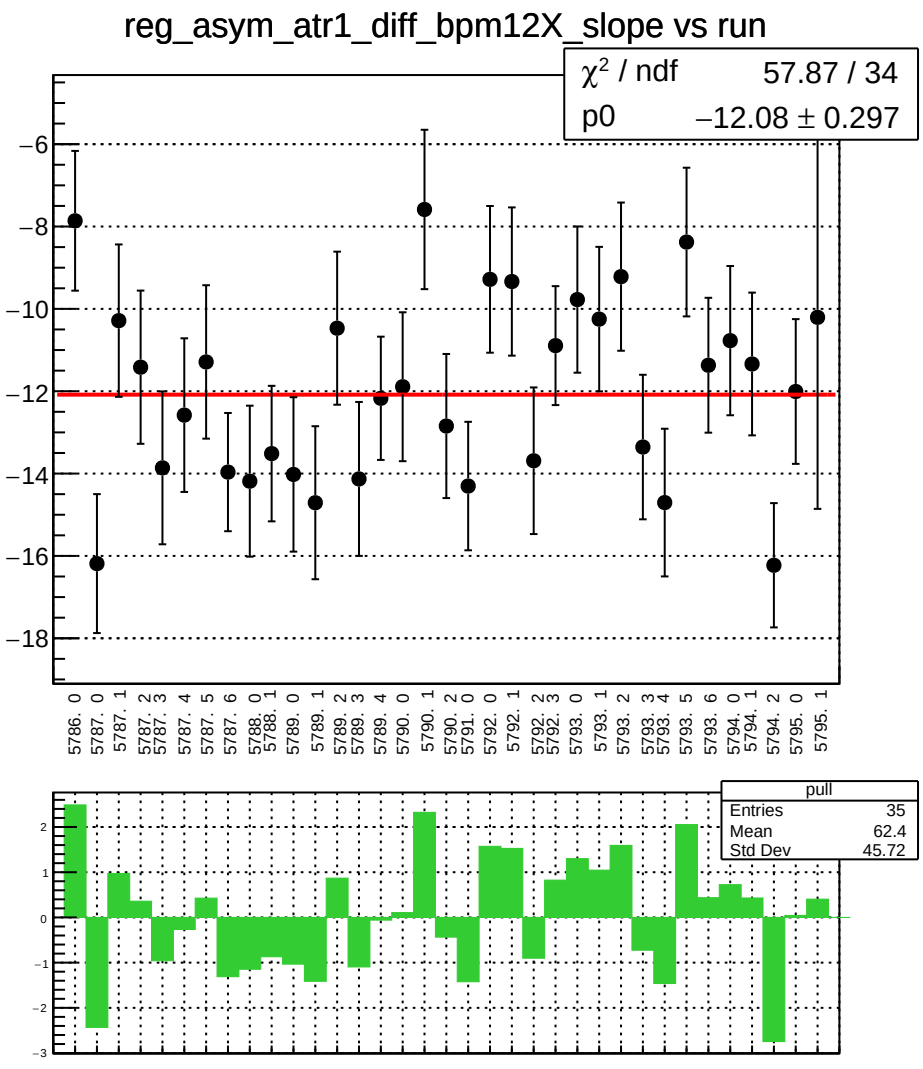
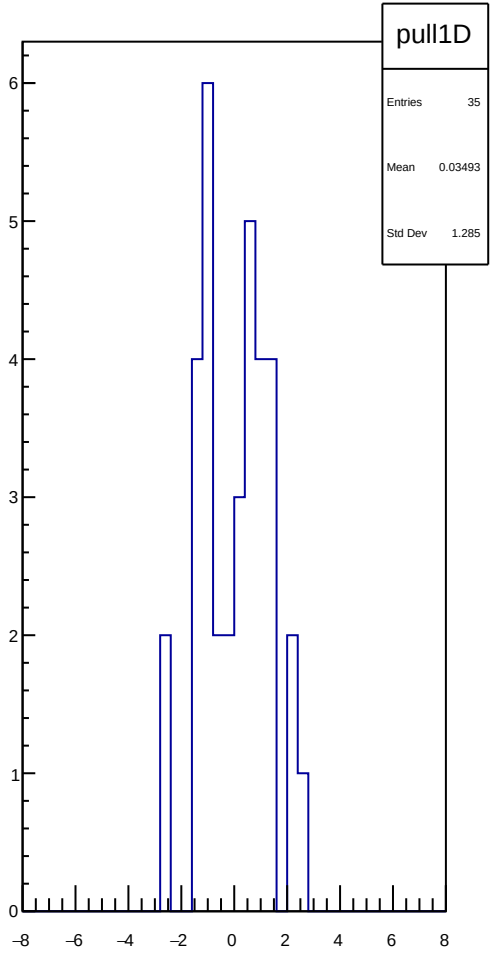
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

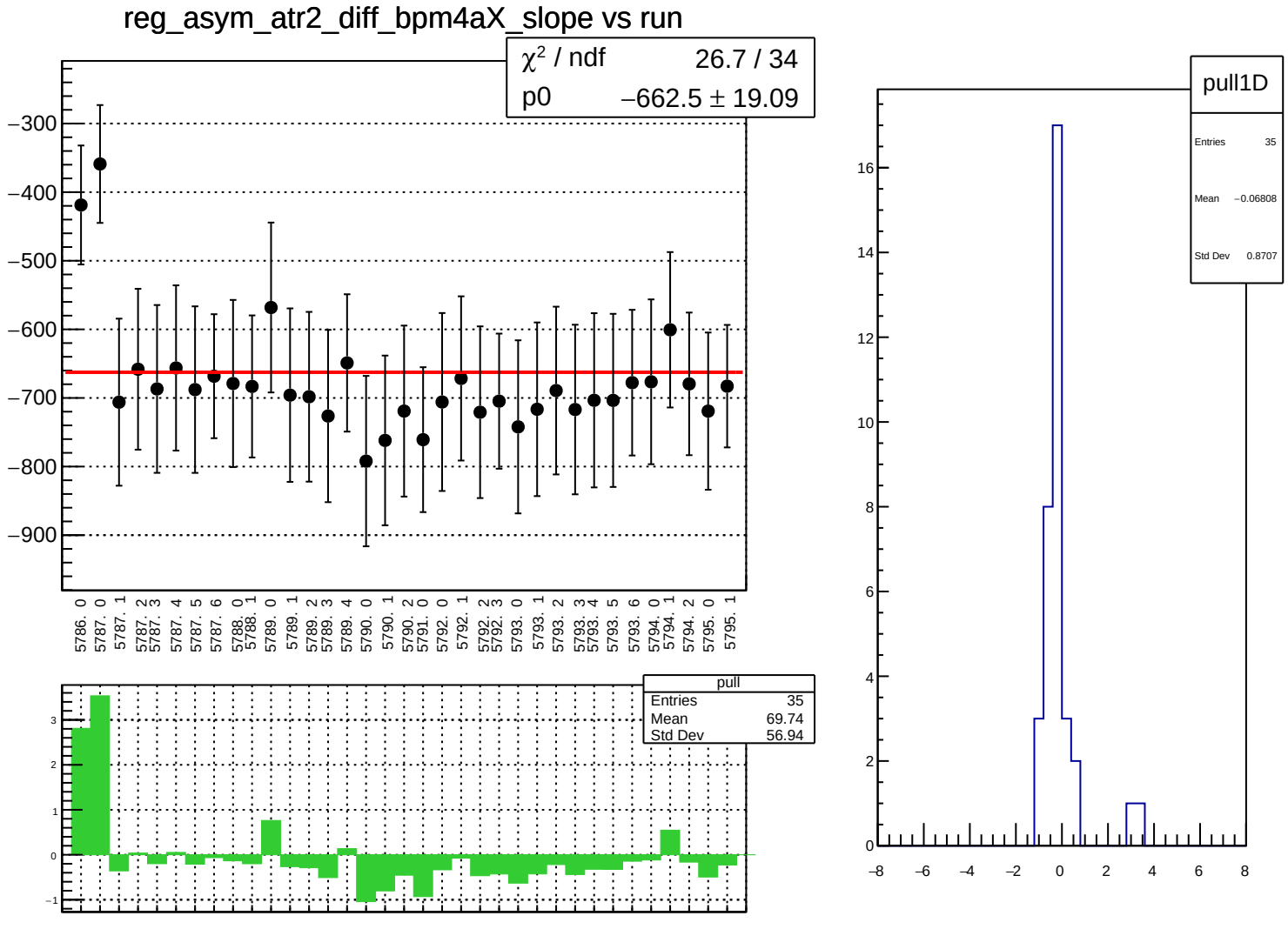

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 42.53 / 34
p0 26.9 ± 6.072
200
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 607.7
Std Dev 588.7
3
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.004654
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

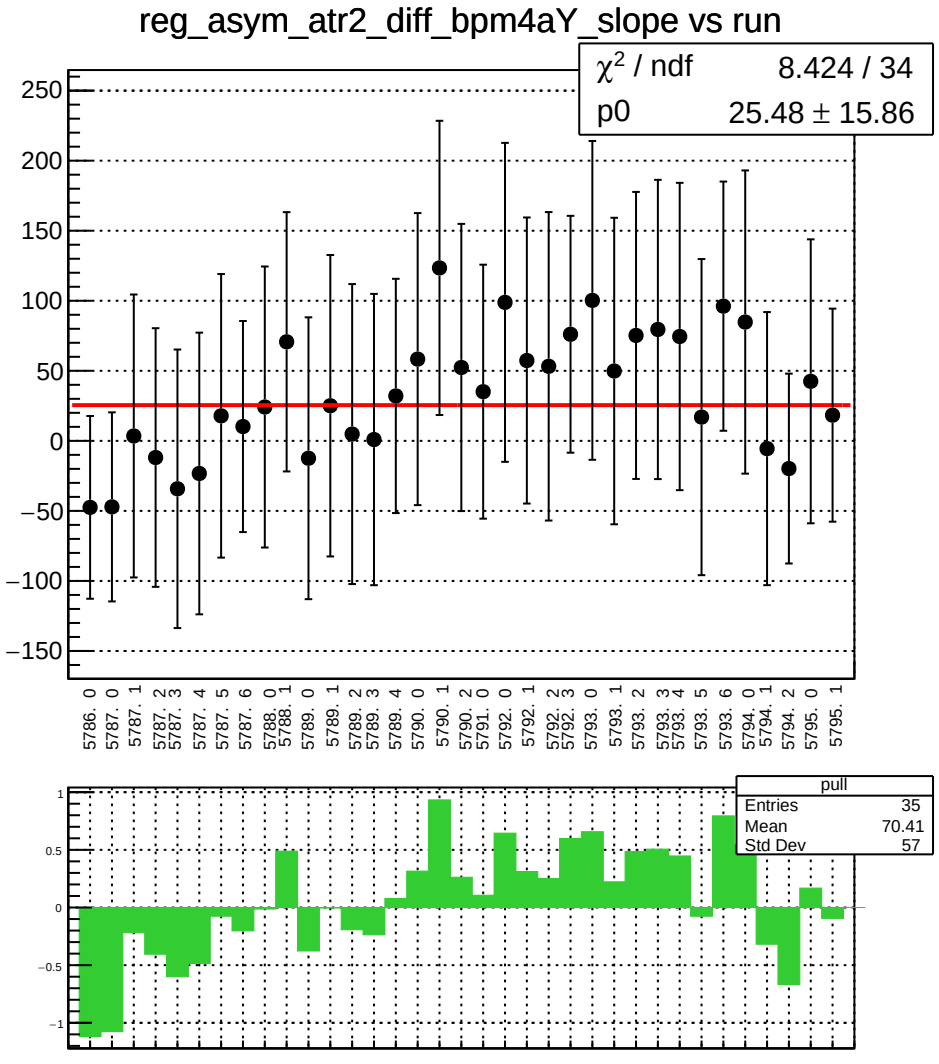

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 33.67 / 34
p0 −19.8 ± 4.425
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1150
Std Dev 1143
3
2
1
0
−1
−2

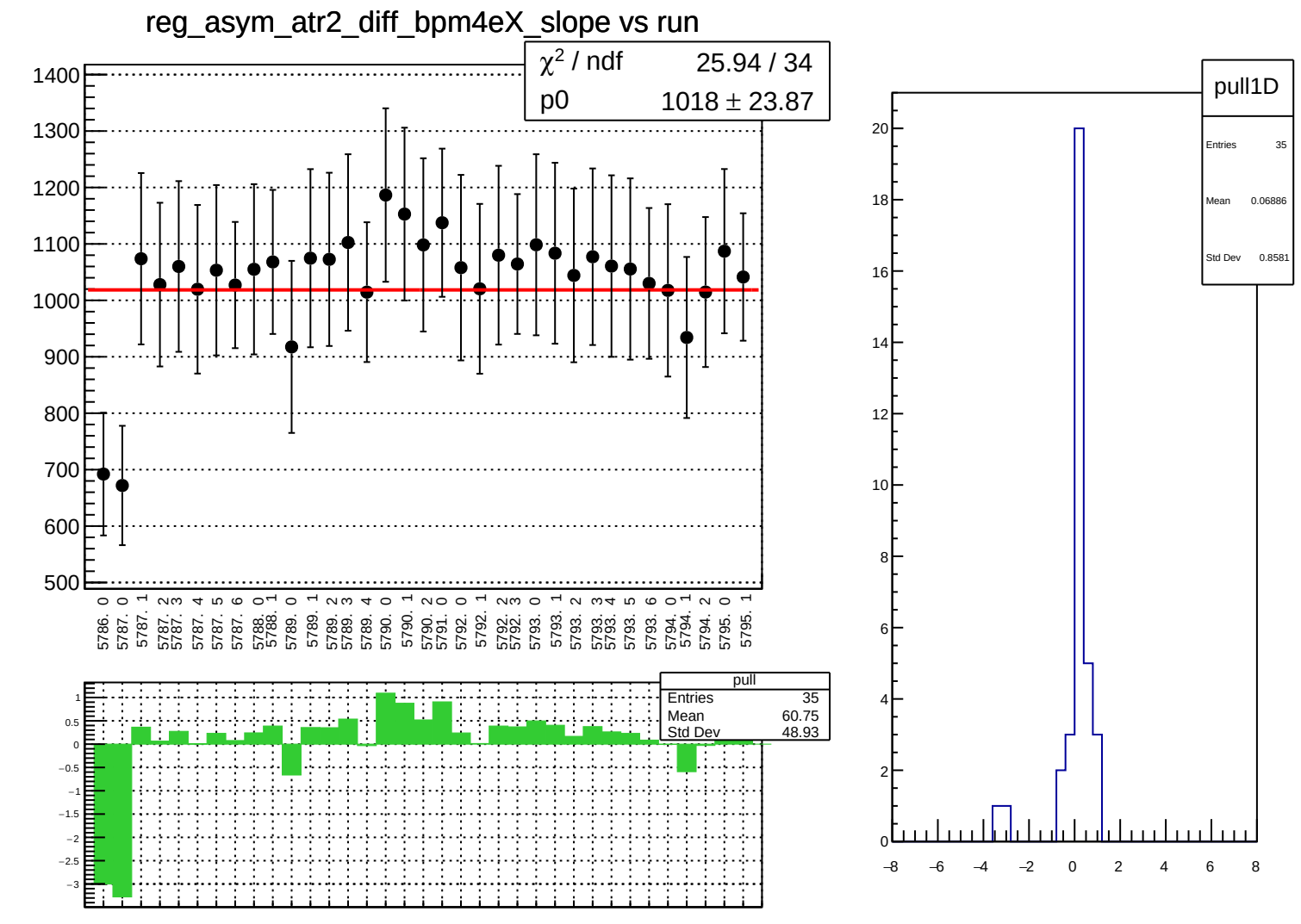

pull1D
Entries 35
Mean 0.001444
Std Dev 0.9808
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

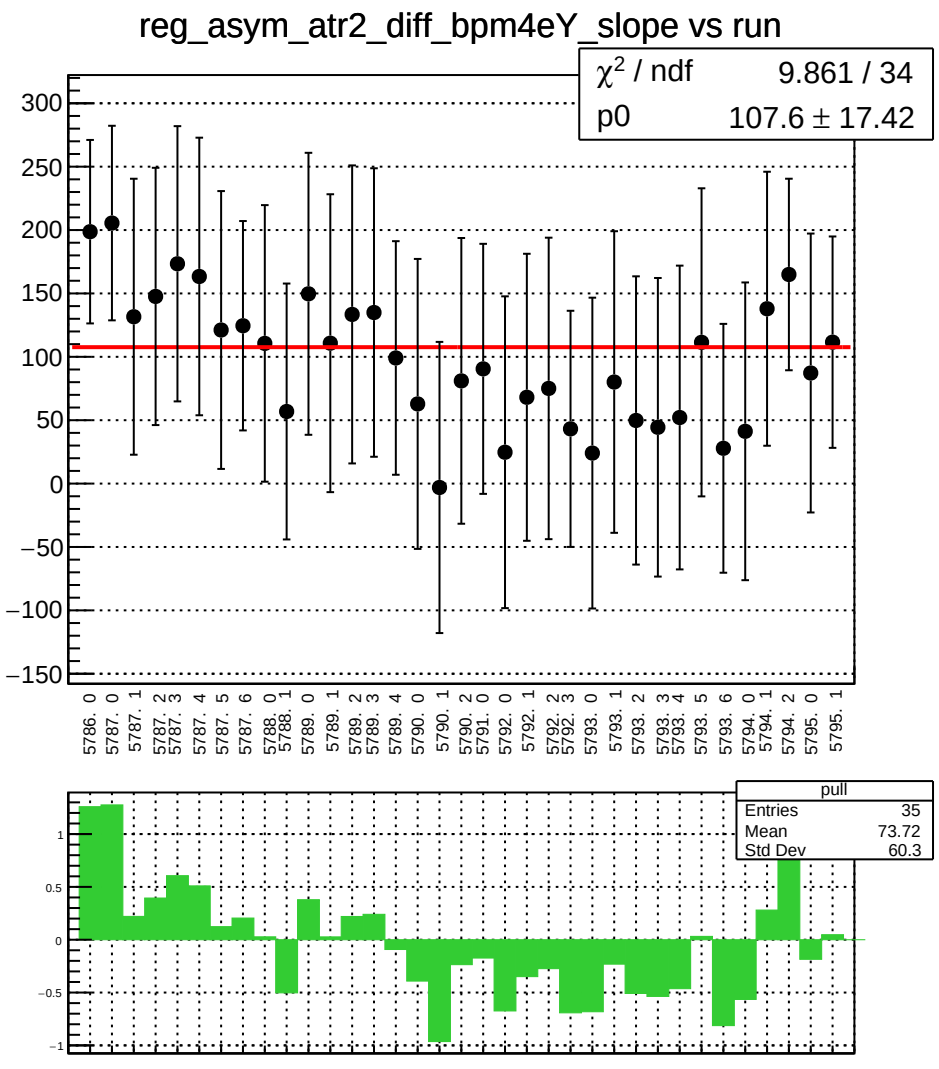

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 57.87 / 34
p0 −12.08 ± 0.297
pull
Entries 35
Mean 62.4
Std Dev 45.72

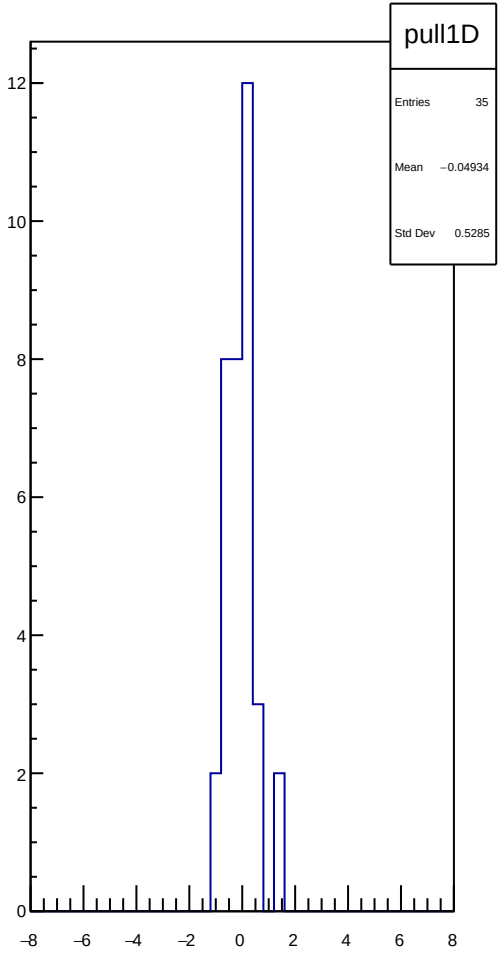

pull1D
Entries 35
Mean 0.03493
Std Dev 1.285

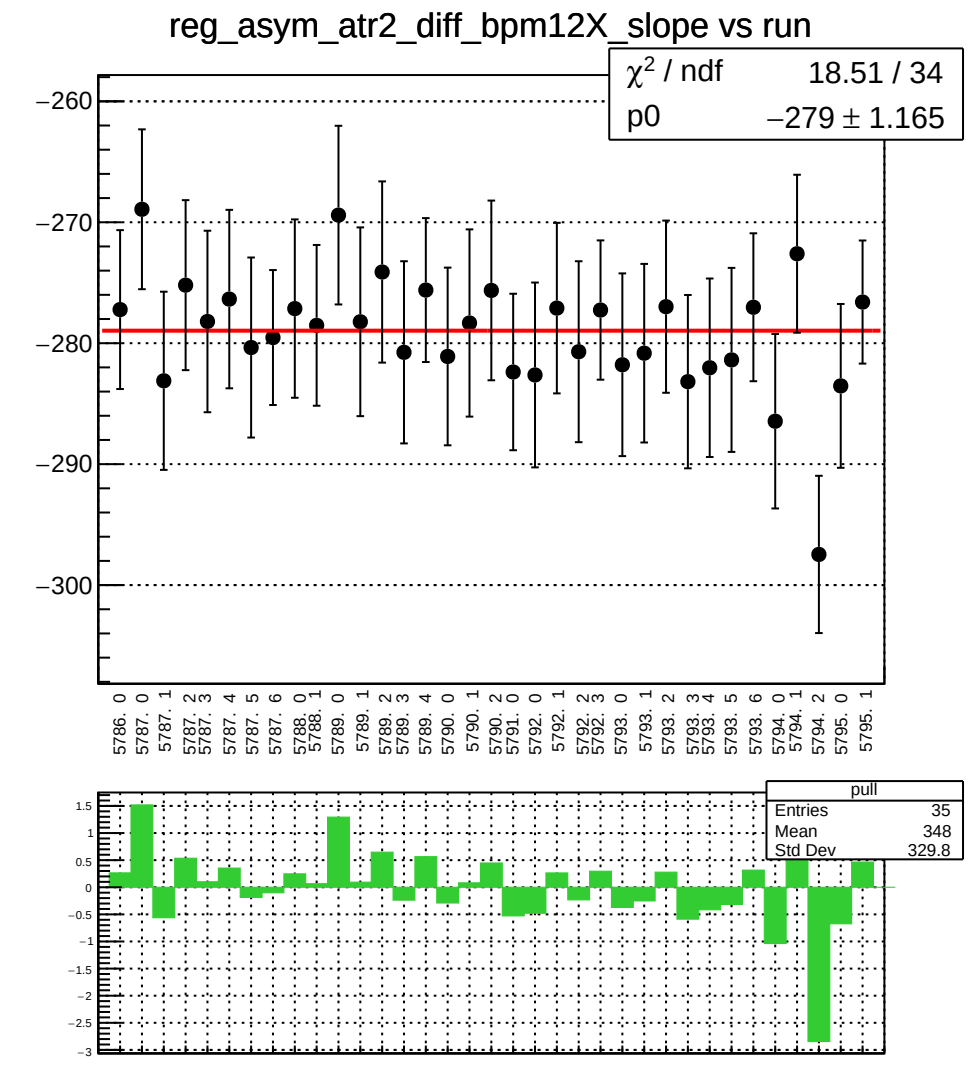

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 26.7 / 34
p0 −662.5 ± 19.09
−300
−400
−500
−600
−700
−800
−900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 69.74
Std Dev 56.94
3
2
1
0
−1
pull1D
Entries 35
Mean −0.06808
Std Dev 0.8707
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

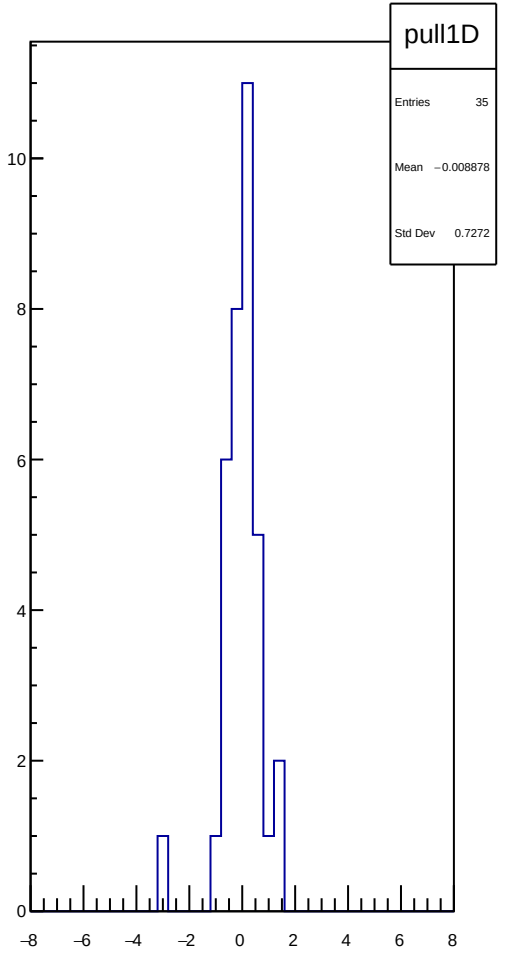

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 8.424 / 34
p0 25.48 ± 15.86
250
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.41
Std Dev 57
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.04742
Std Dev 0.4883
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

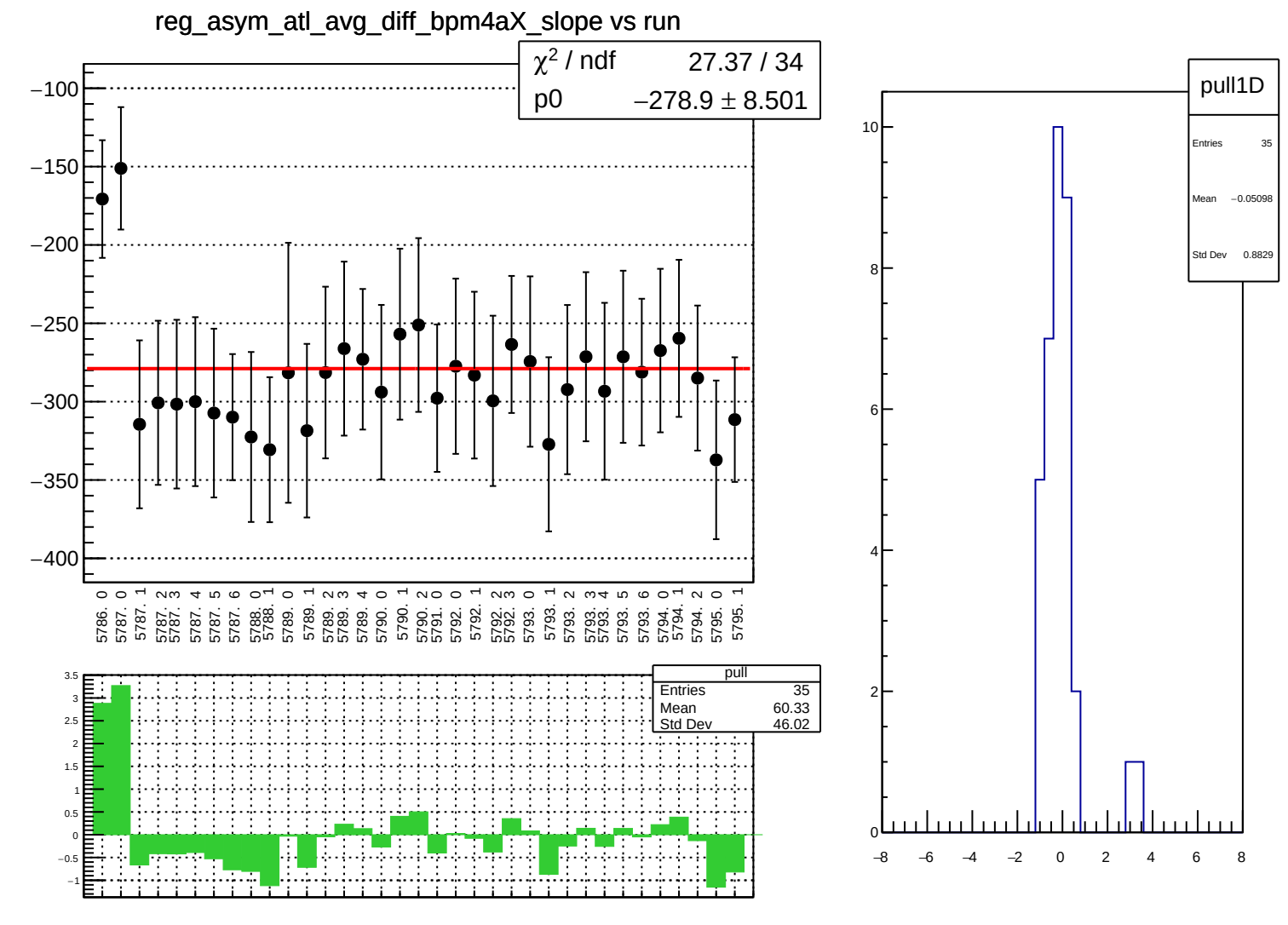

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 25.94 / 34
p0 1018 ± 23.87
pull
Entries 35
Mean 60.75
Std Dev 48.93
pull1D
Entries 35
Mean 0.06886
Std Dev 0.8581

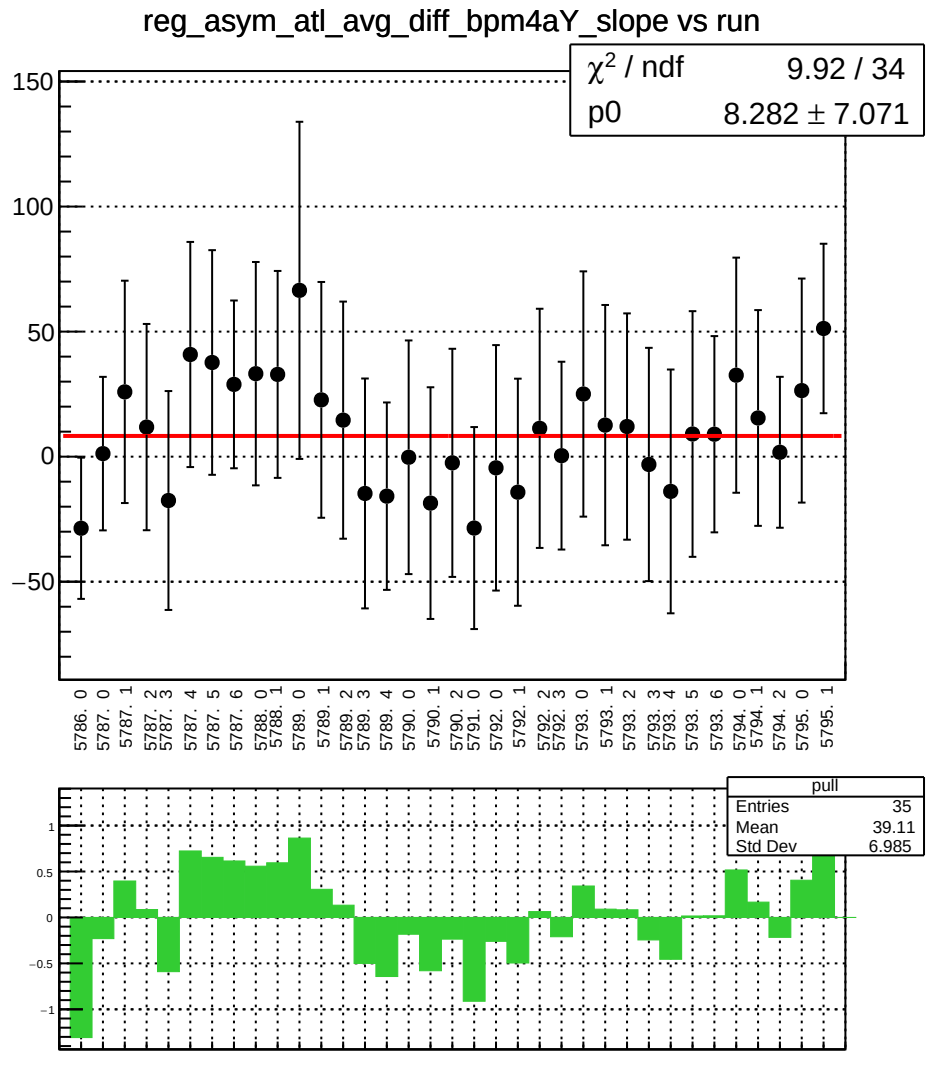

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 9.861 / 34
p0 107.6 ± 17.42
pull
Entries 35
Mean 73.72
Std Dev 60.3

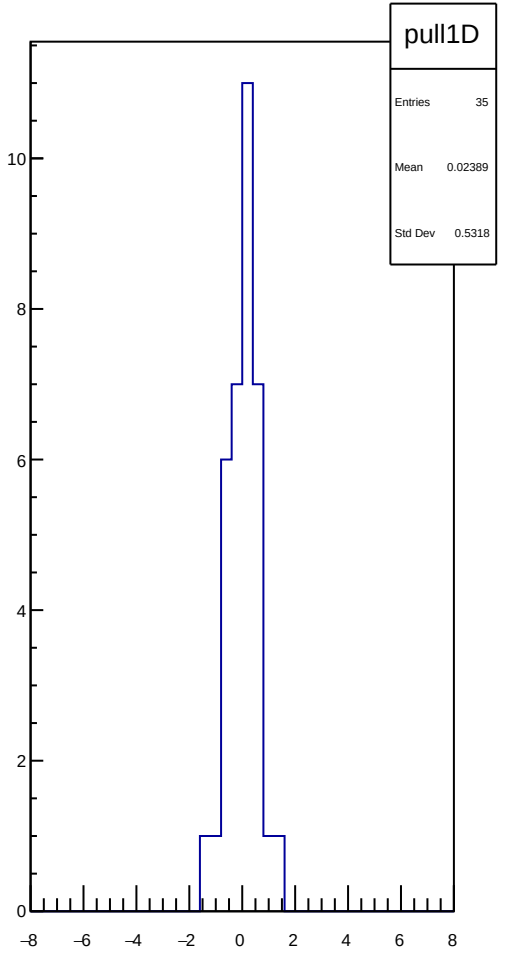

pull1D
Entries 35
Mean −0.04934
Std Dev 0.5285


reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 18.51 / 34
p0 −279 ± 1.165
−260
−270
−280
−290
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 348
Std Dev 329.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3


pull1D
Entries 35
Mean −0.008878
Std Dev 0.7272
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.37 / 34
p0 −278.9 ± 8.501
−100
−150
−200
−250
−300
−350
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 60.33
Std Dev 46.02
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.05098
Std Dev 0.8829
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.92 / 34
p0 8.282 ± 7.071
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 39.11
Std Dev 6.985
1
0.5
0
−0.5
−1


pull1D
Entries 35
Mean 0.02389
Std Dev 0.5318
10
8
6
4
2
0
−8
−6
−4
−2
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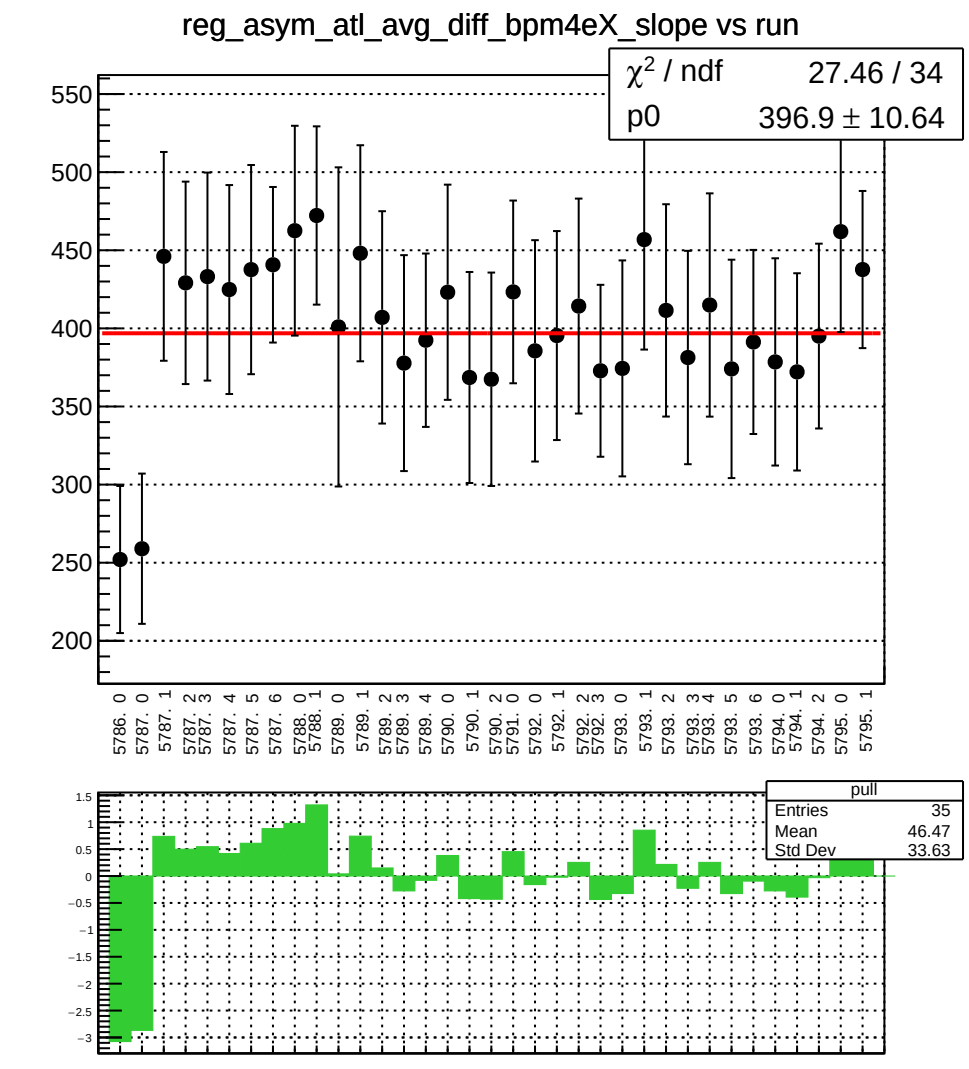
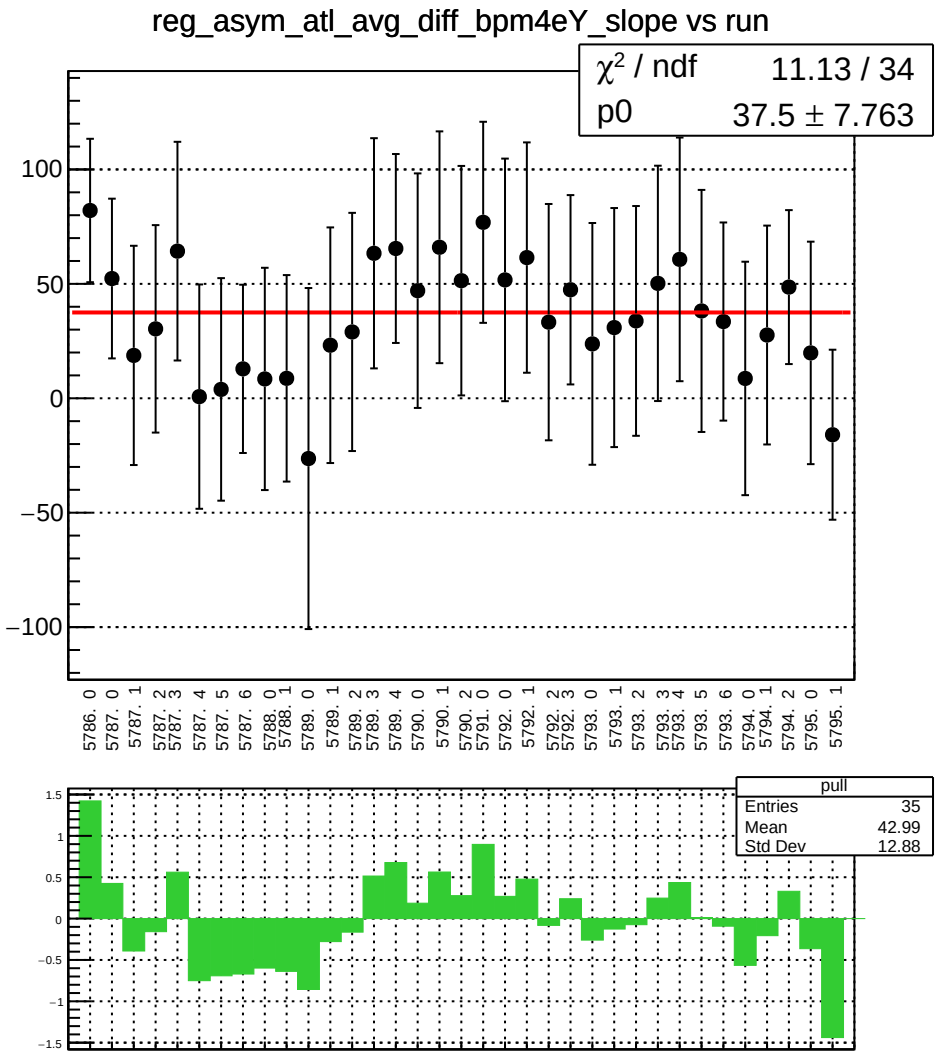
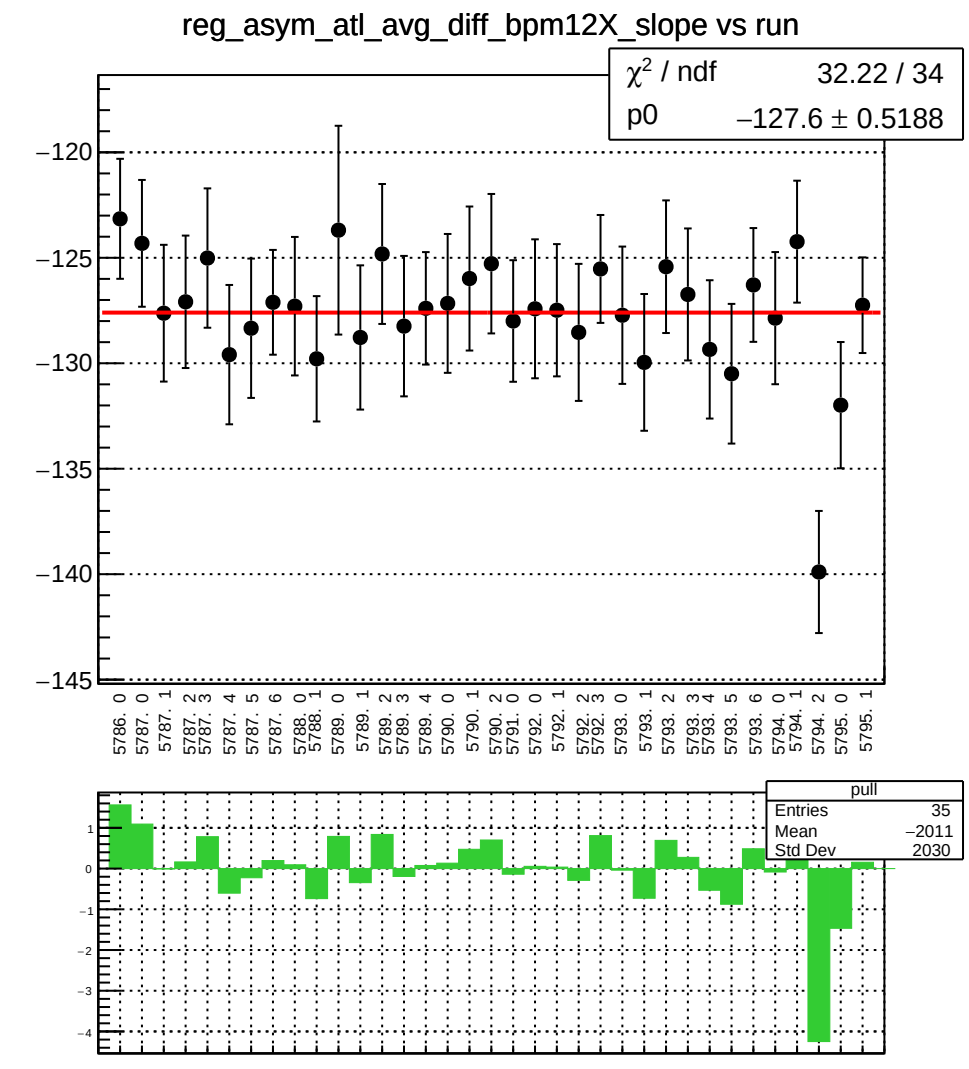
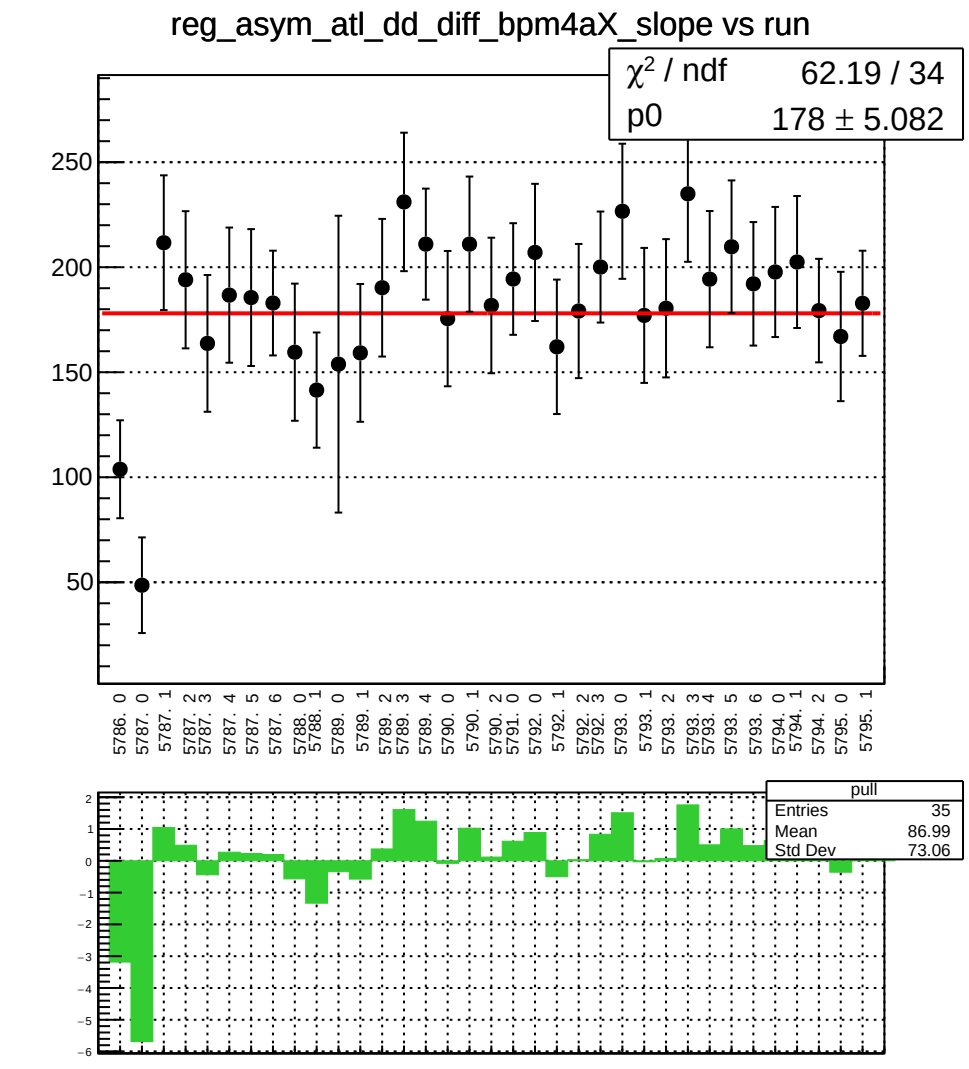
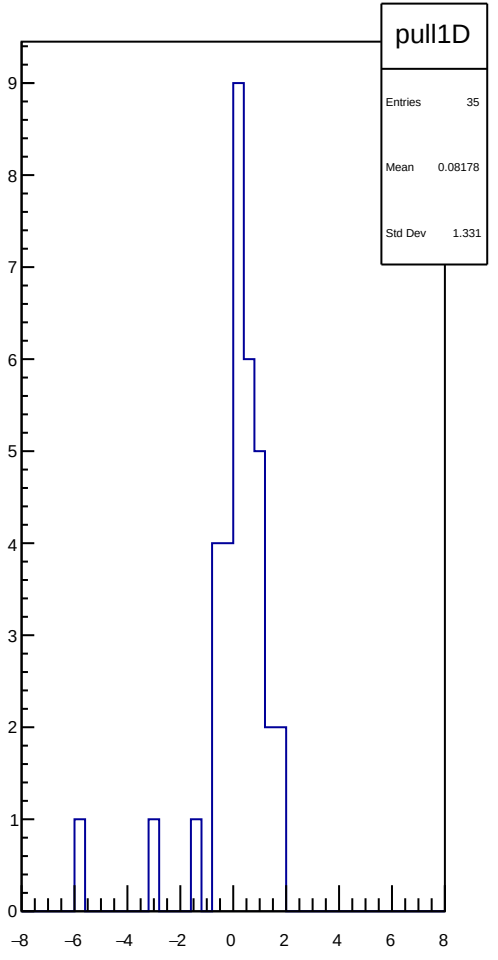
2
4
6
8

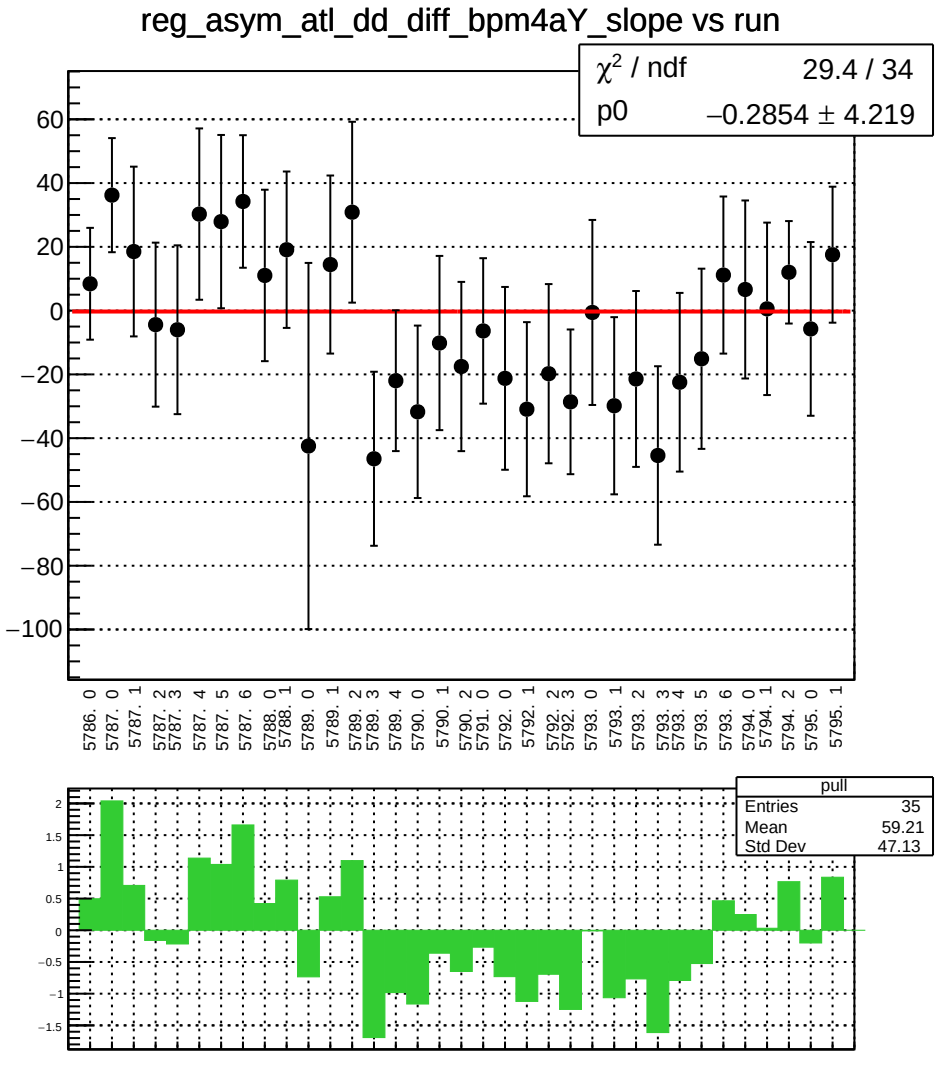

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.46 / 34
p0 396.9 ± 10.64
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 46.47
Std Dev 33.63
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 35
Mean 0.04887
Std Dev 0.8845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

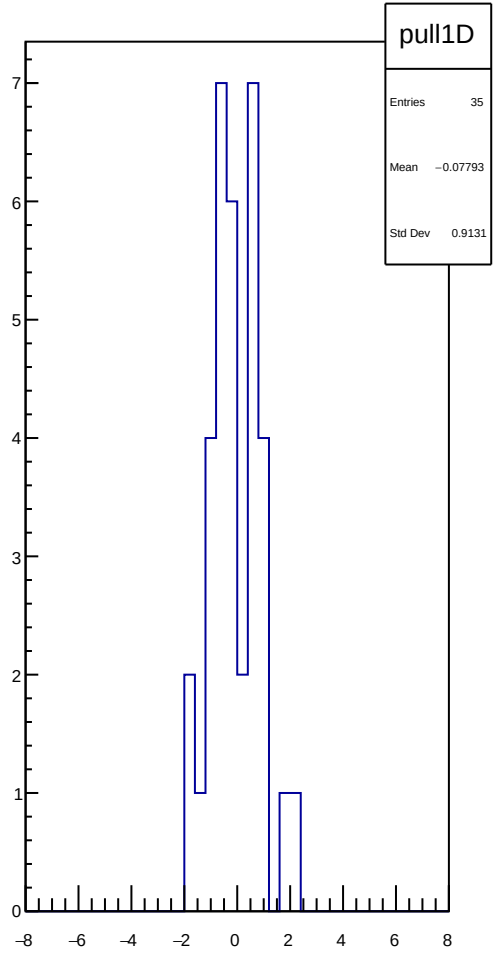

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.13 / 34
p0 37.5 ± 7.763
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 42.99
Std Dev 12.88
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.02483
Std Dev 0.5633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

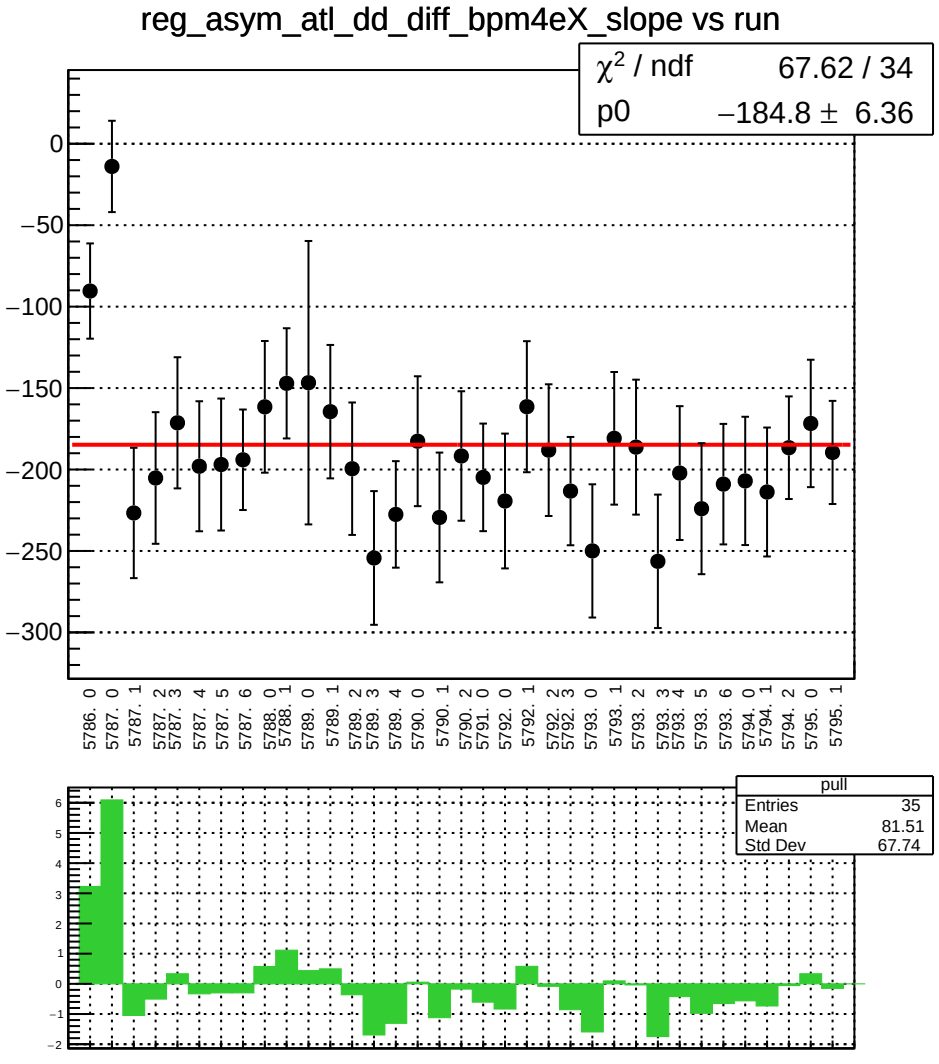

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 32.22 / 34
p0 −127.6 ± 0.5188
−120
−125
−130
−135
−140
−145
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −2011
Std Dev 2030
1
0
−1
−2
−3
−4
pull1D
Entries 35
Mean 0.00175
Std Dev 0.9594
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

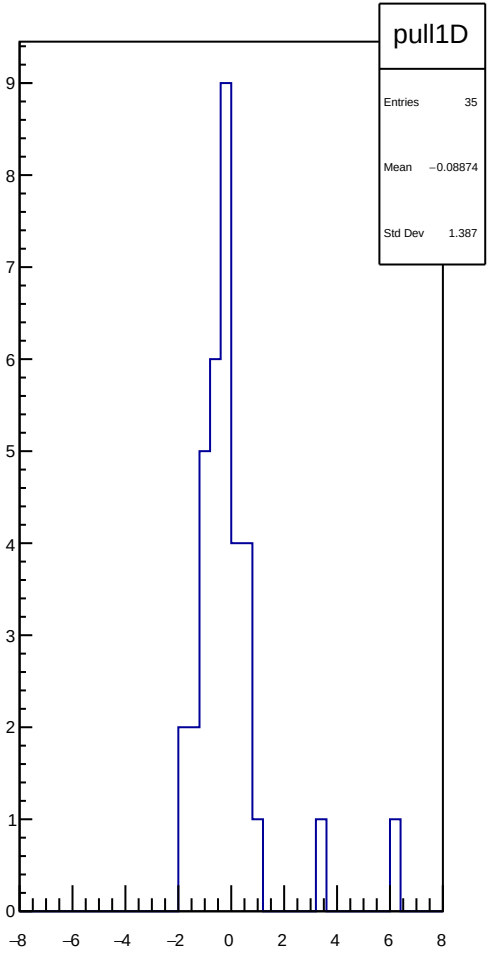

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 62.19 / 34
p0 178 ± 5.082
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 86.99
Std Dev 73.06
2
1
0
−1
−2
−3
−4
−5
−6

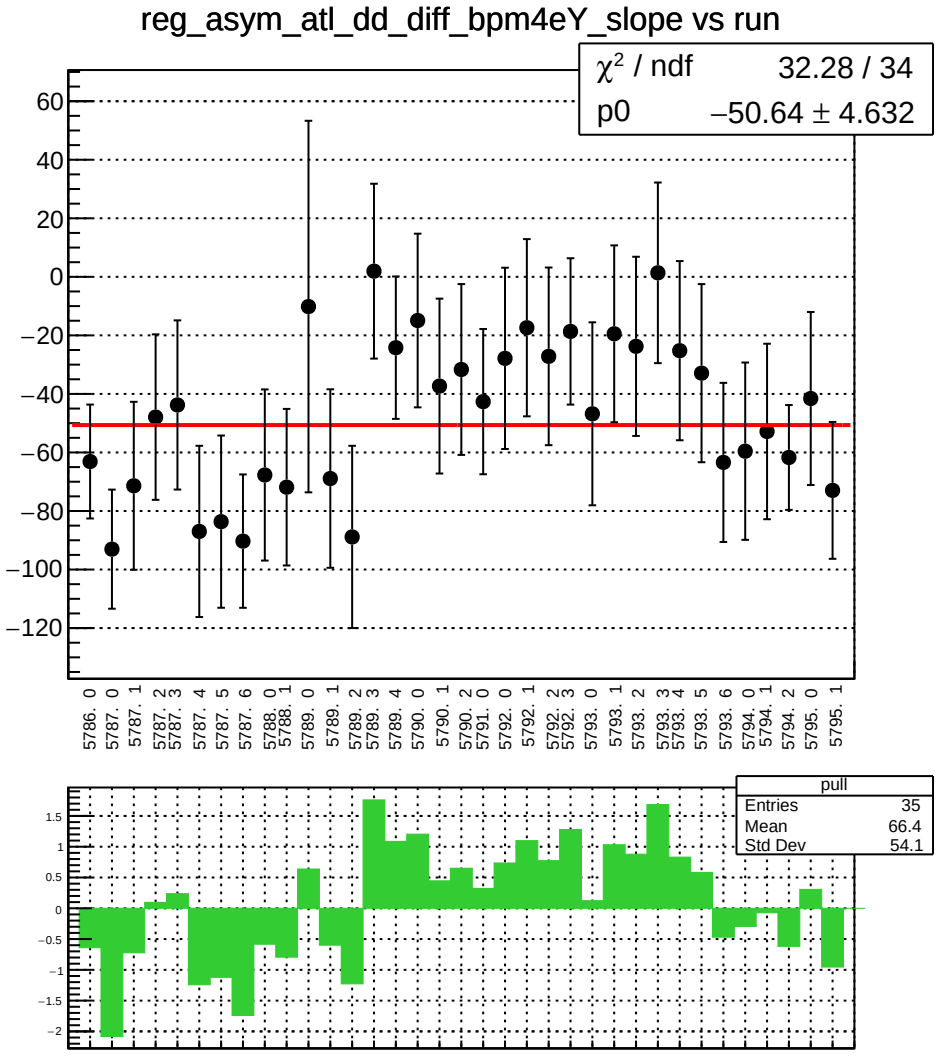

pull1D
Entries 35
Mean 0.08178
Std Dev 1.331
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

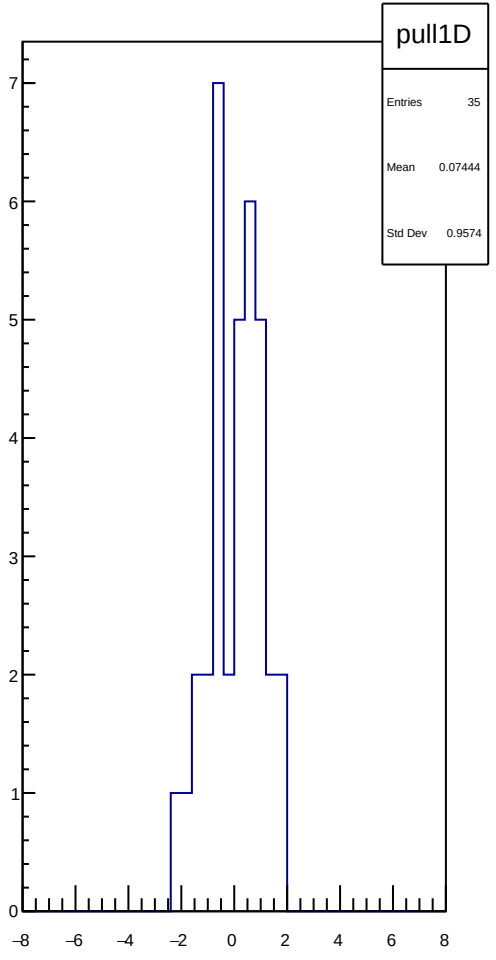

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.4 / 34
p0 −0.2854 ± 4.219
pull
Entries 35
Mean 59.21
Std Dev 47.13

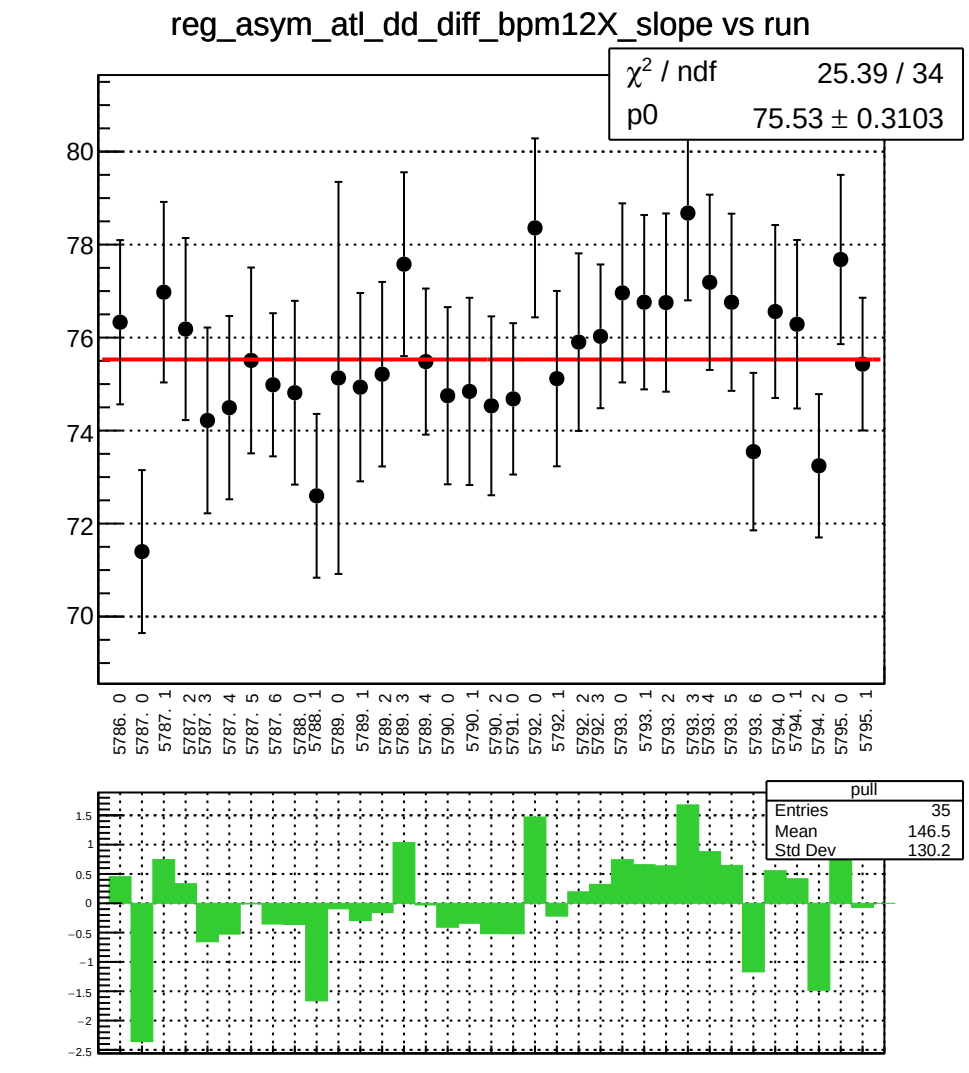

pull1D
Entries 35
Mean −0.07793
Std Dev 0.9131

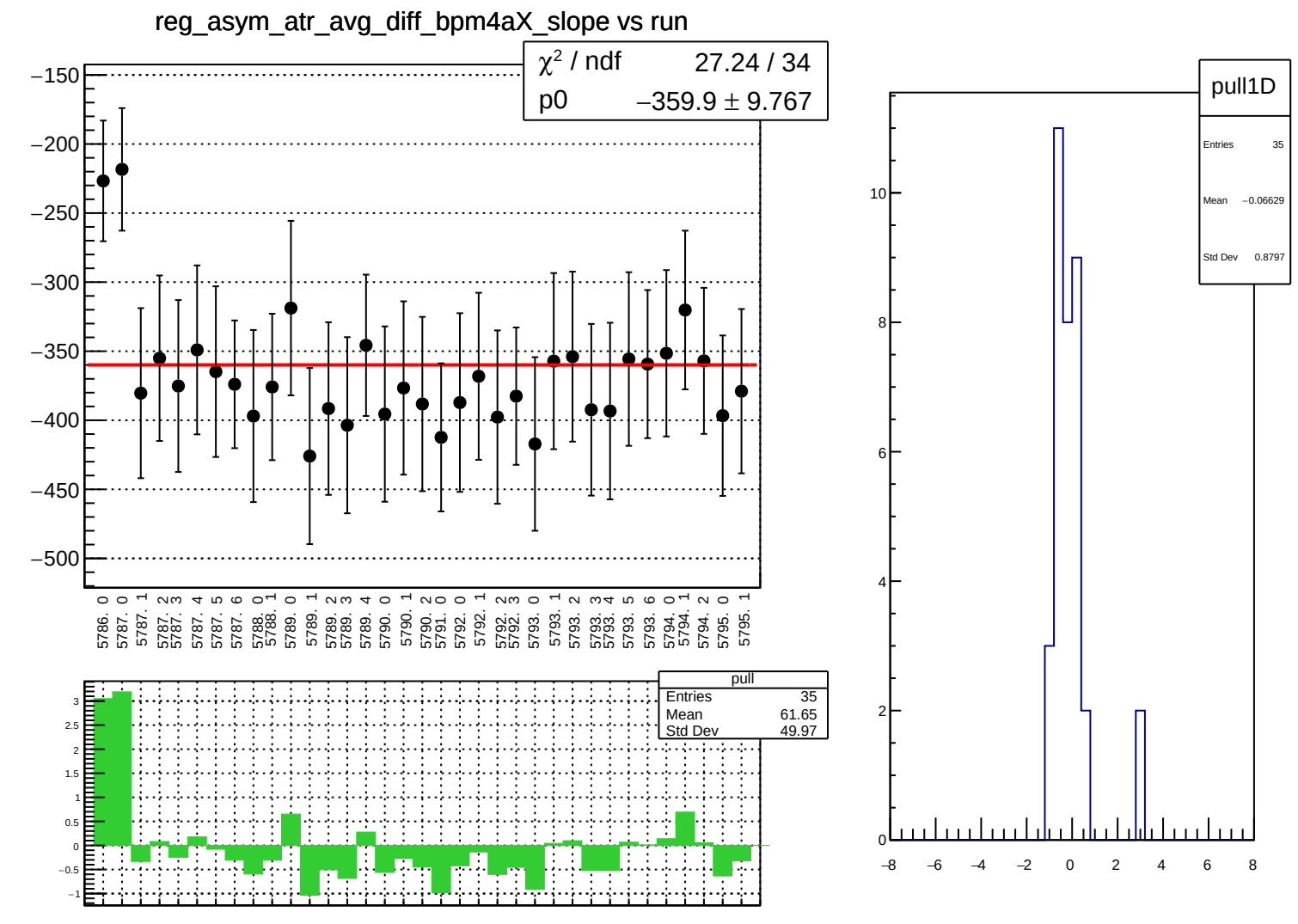

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.62 / 34
p0 −184.8 ± 6.36
pull
Entries 35
Mean 81.51
Std Dev 67.74

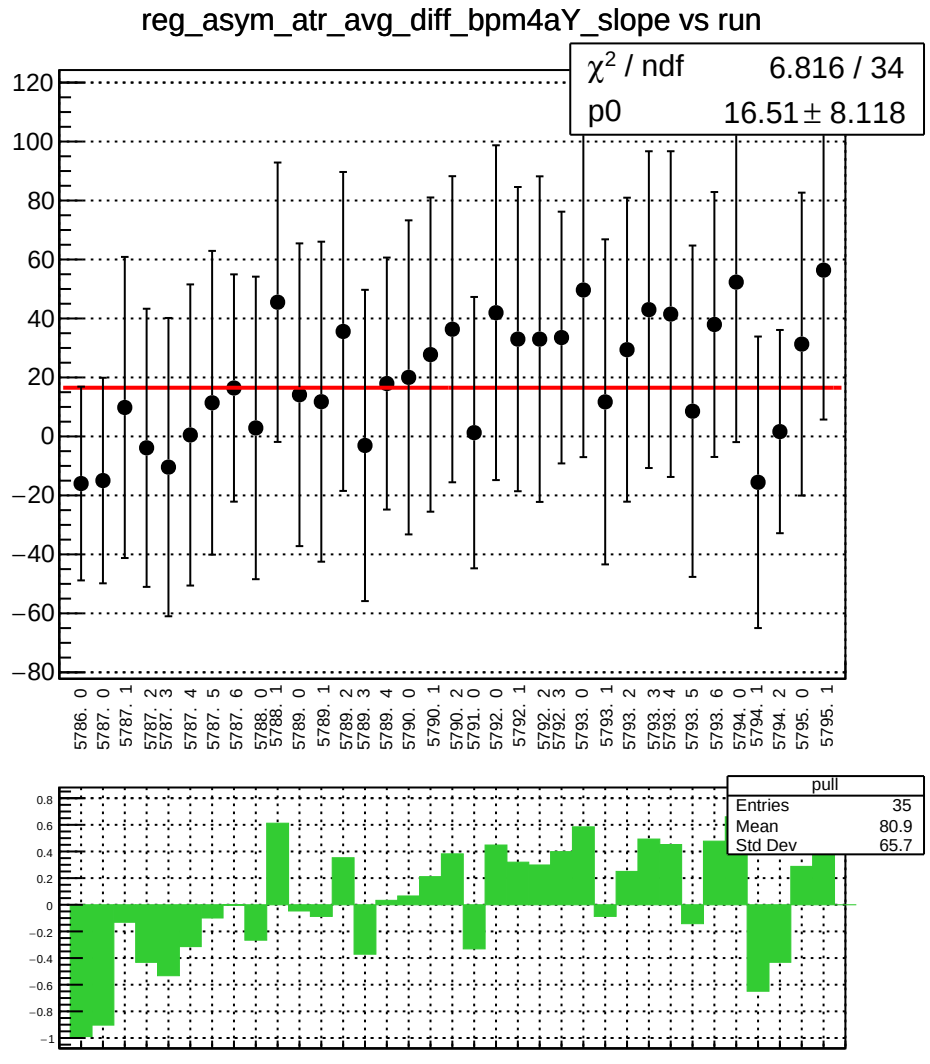

pull1D
Entries 35
Mean −0.08874
Std Dev 1.387

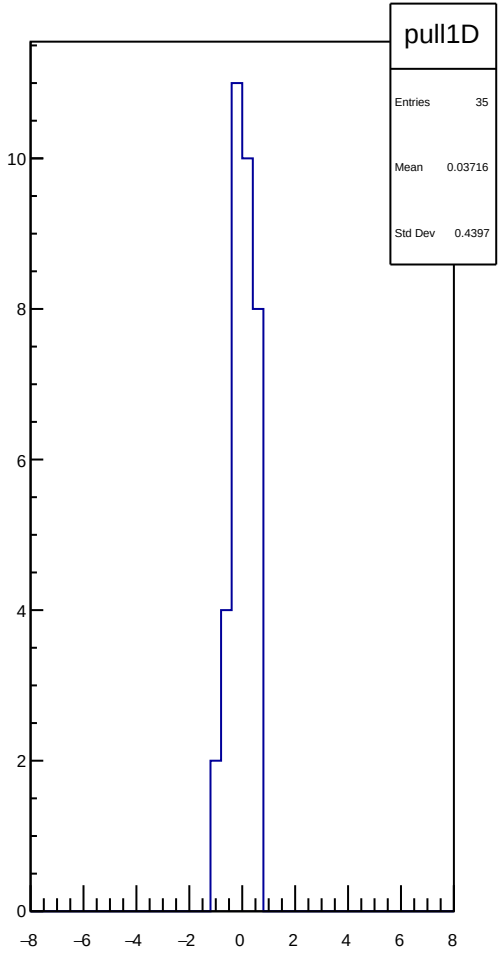

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.28 / 34
p0 −50.64 ± 4.632
pull
Entries 35
Mean 66.4
Std Dev 54.1

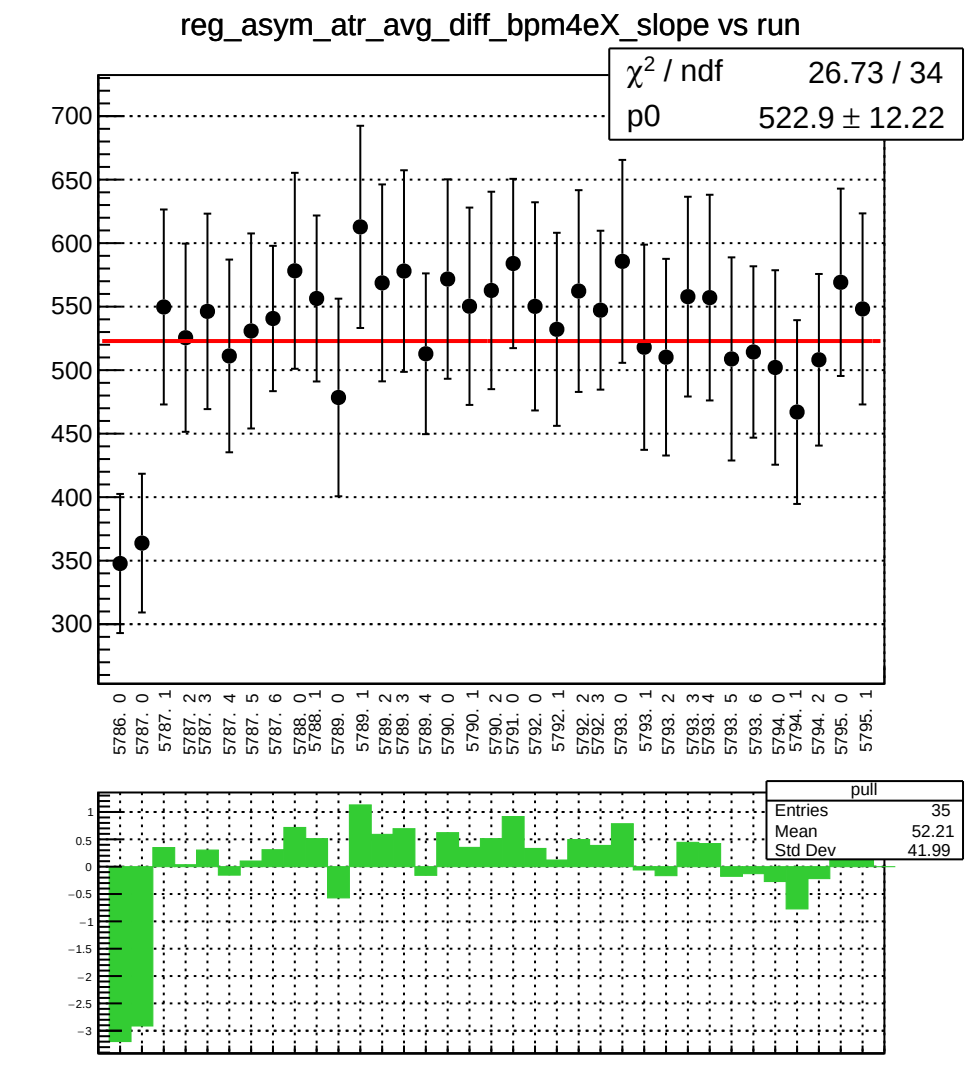

pull1D
Entries 35
Mean 0.07444
Std Dev 0.9574

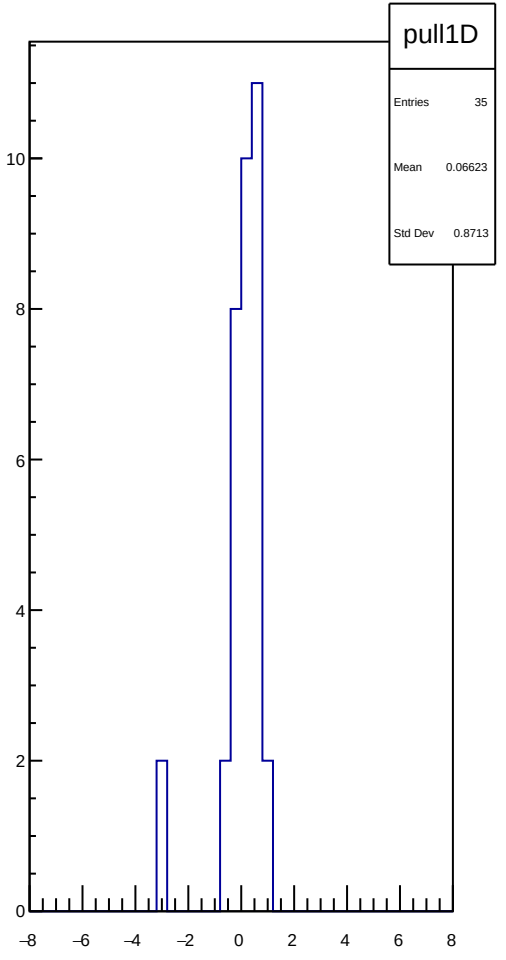

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 25.39 / 34
p0 75.53 ± 0.3103
80
78
76
74
72
70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 146.5
Std Dev 130.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.02068
Std Dev 0.8514
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

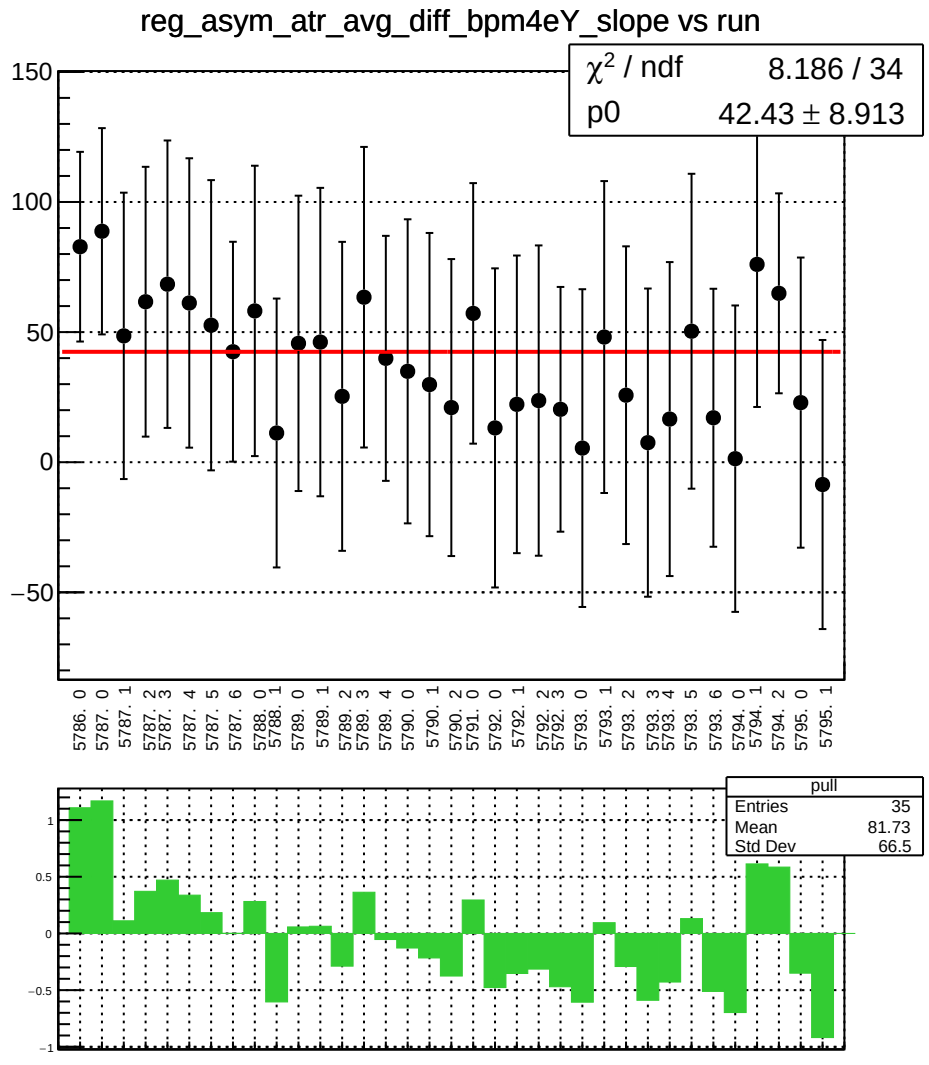

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.24 / 34
p0 −359.9 ± 9.767
pull
Entries 35
Mean 61.65
Std Dev 49.97
pull1D
Entries 35
Mean −0.06629
Std Dev 0.8797

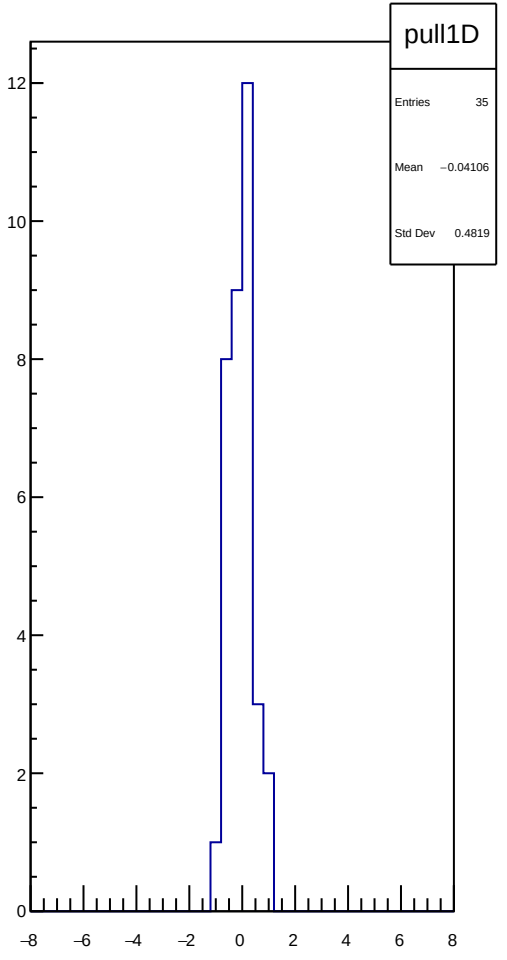

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.816 / 34
p0 16.51 ± 8.118
pull
Entries 35
Mean 80.9
Std Dev 65.7

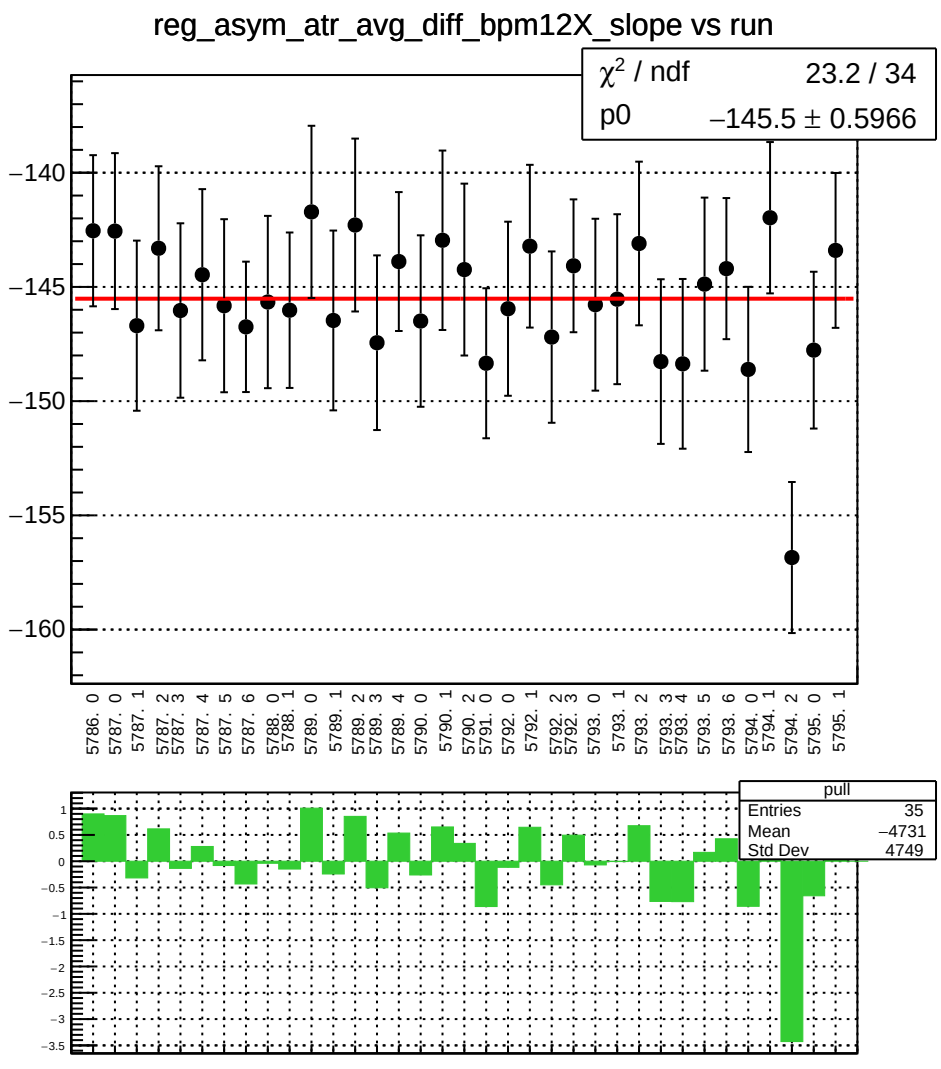

pull1D
Entries 35
Mean 0.03716
Std Dev 0.4397

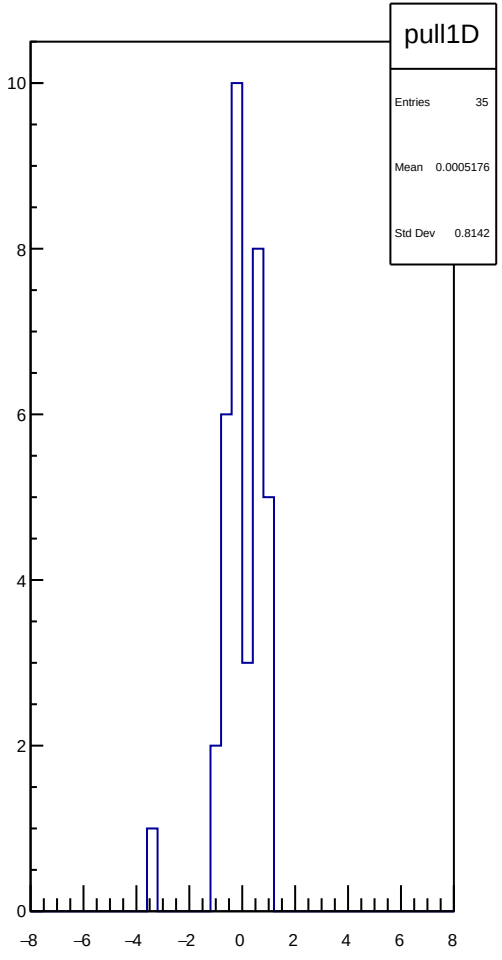

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.73 / 34
p0 522.9 ± 12.22
700
650
600
550
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 52.21
Std Dev 41.99
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

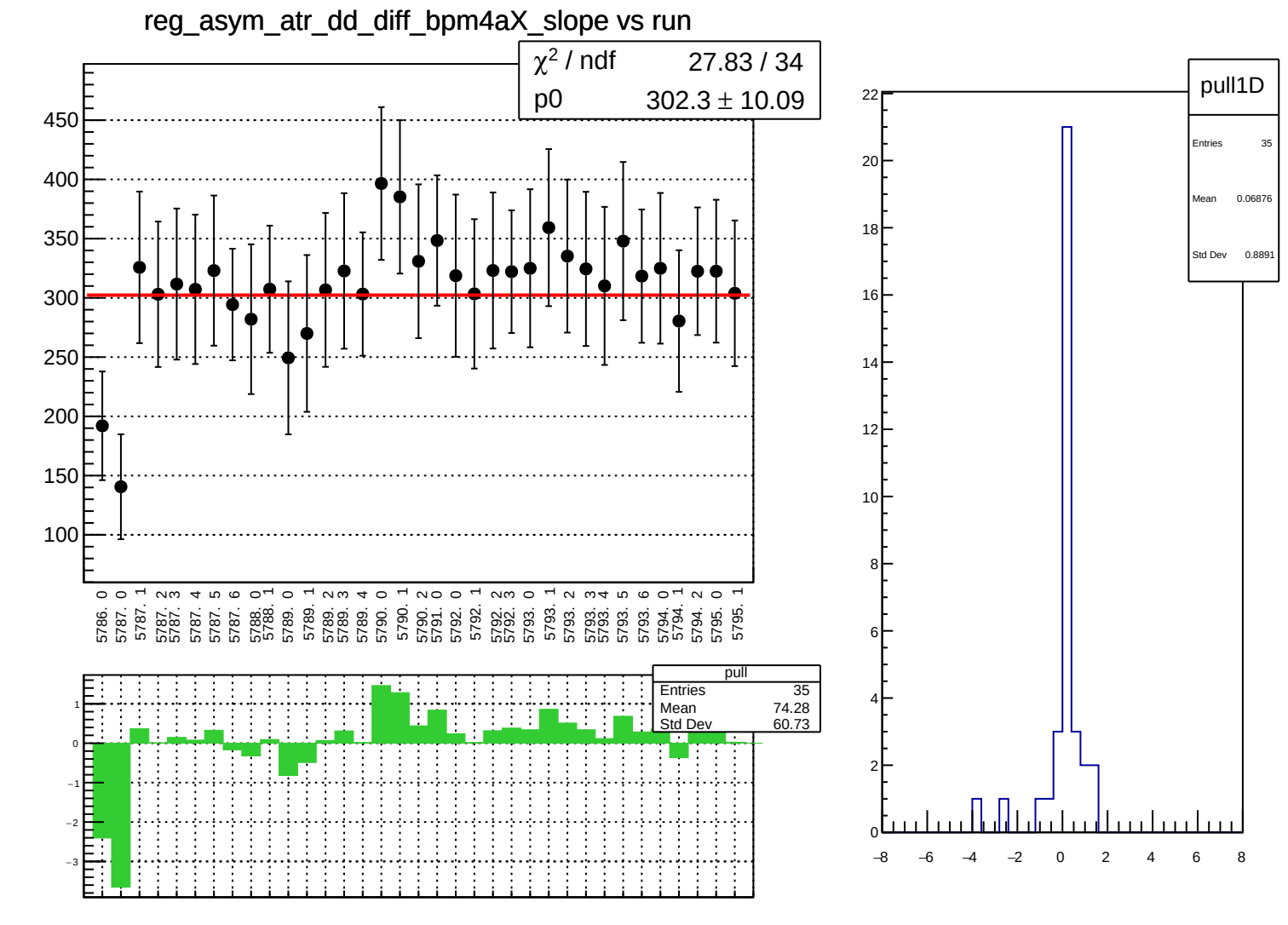

pull1D
Entries 35
Mean 0.06623
Std Dev 0.8713
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

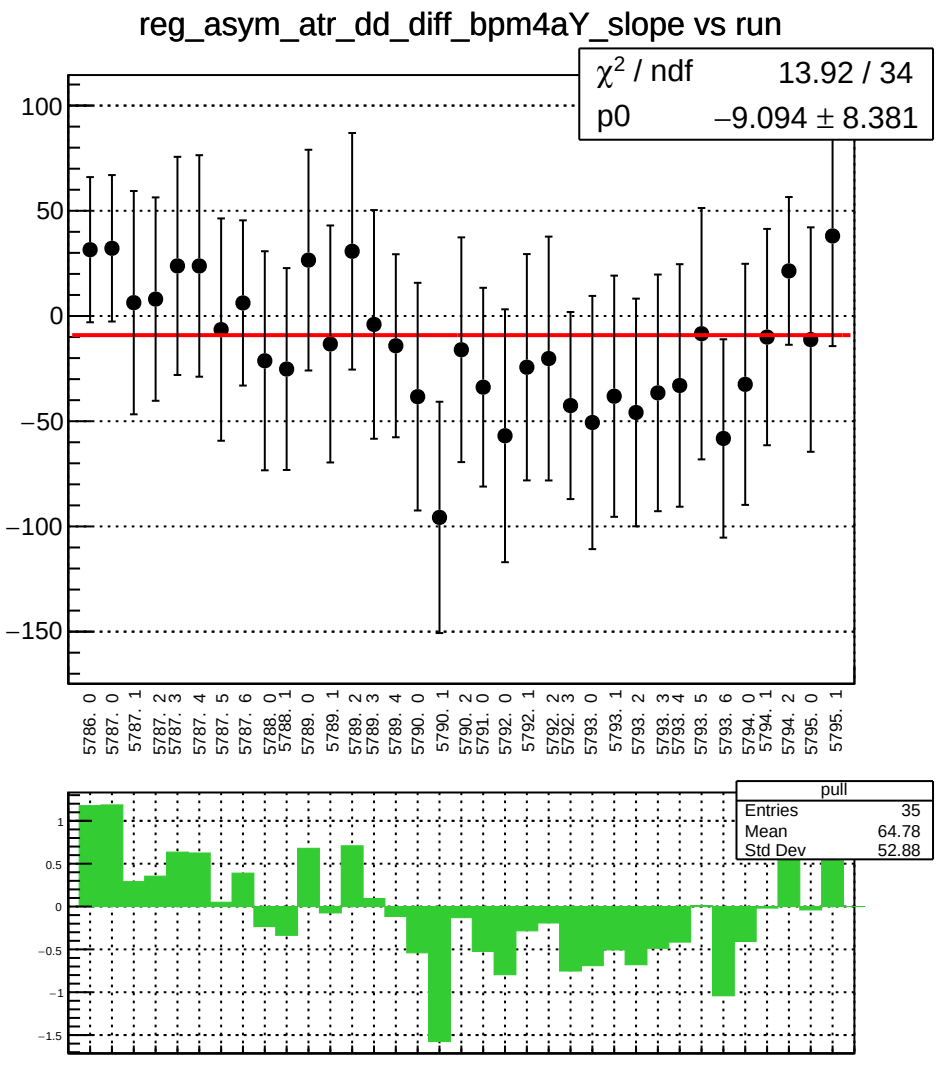

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.186 / 34
p0 42.43 ± 8.913
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 81.73
Std Dev 66.5
1
0.5
0
−0.5
−1

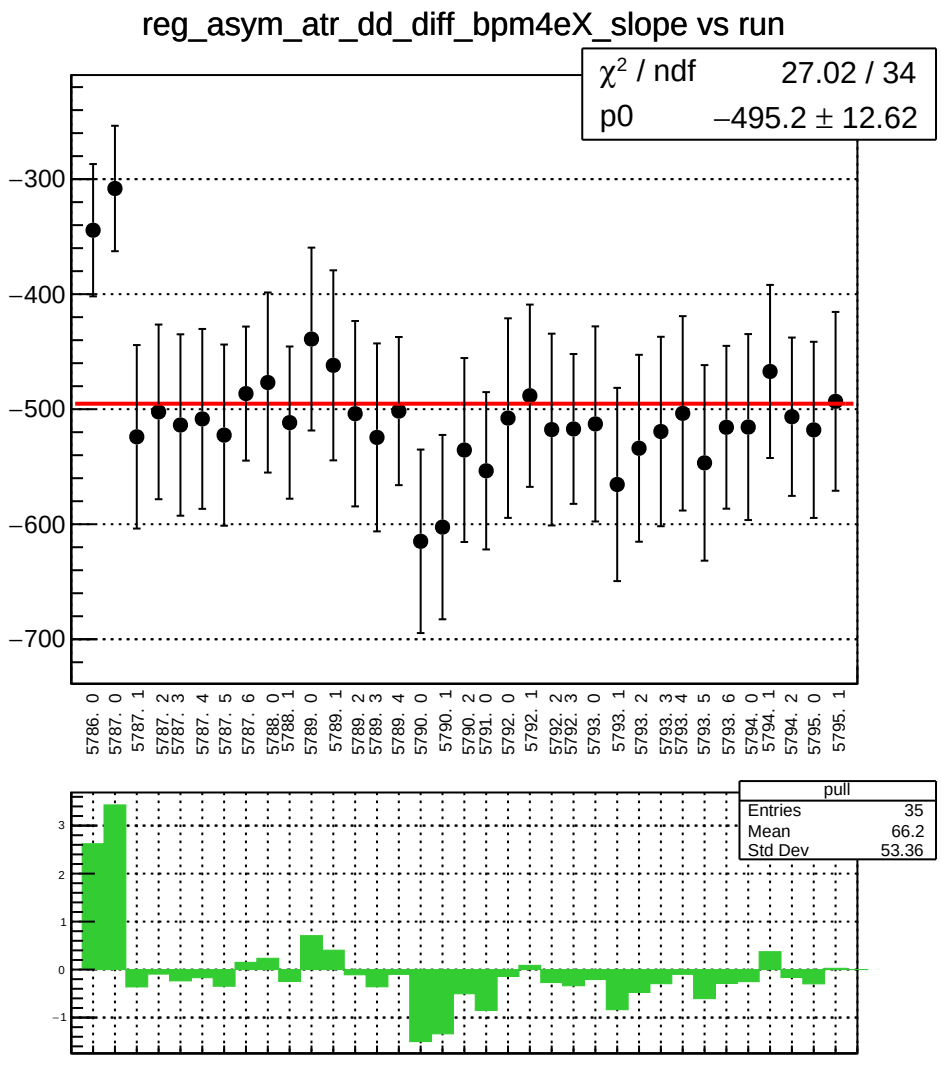

pull1D
Entries 35
Mean −0.04106
Std Dev 0.4819
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

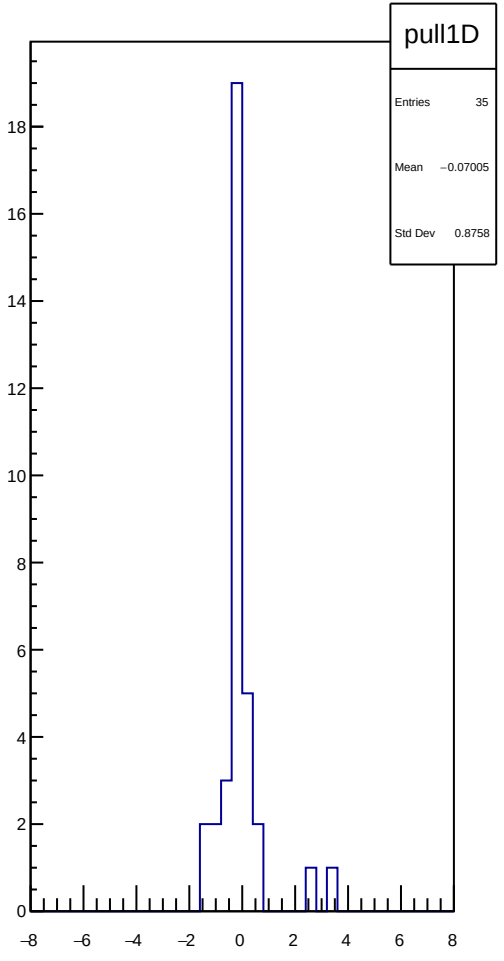

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 23.2 / 34
p0 −145.5 ± 0.5966
−140
−145
−150
−155
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −4731
Std Dev 4749
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

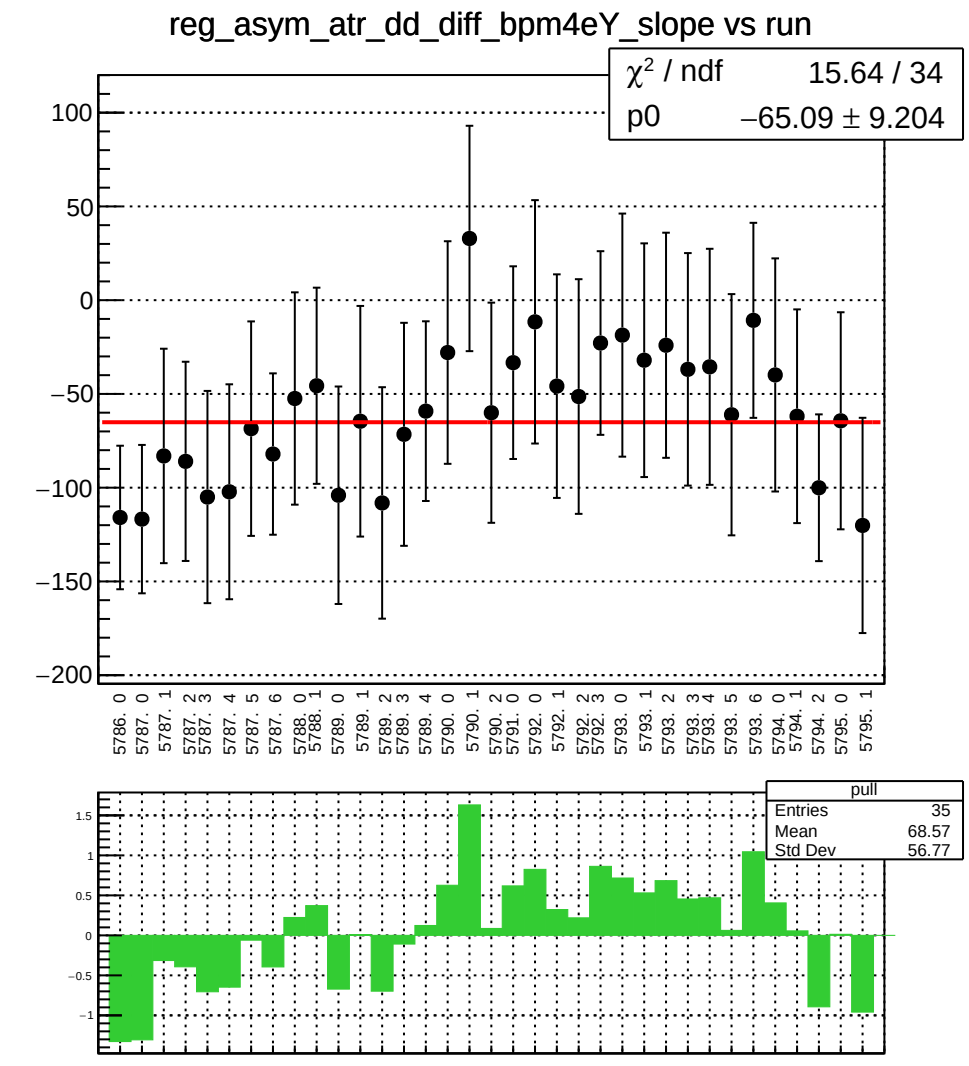

pull1D
Entries 35
Mean 0.0005176
Std Dev 0.8142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

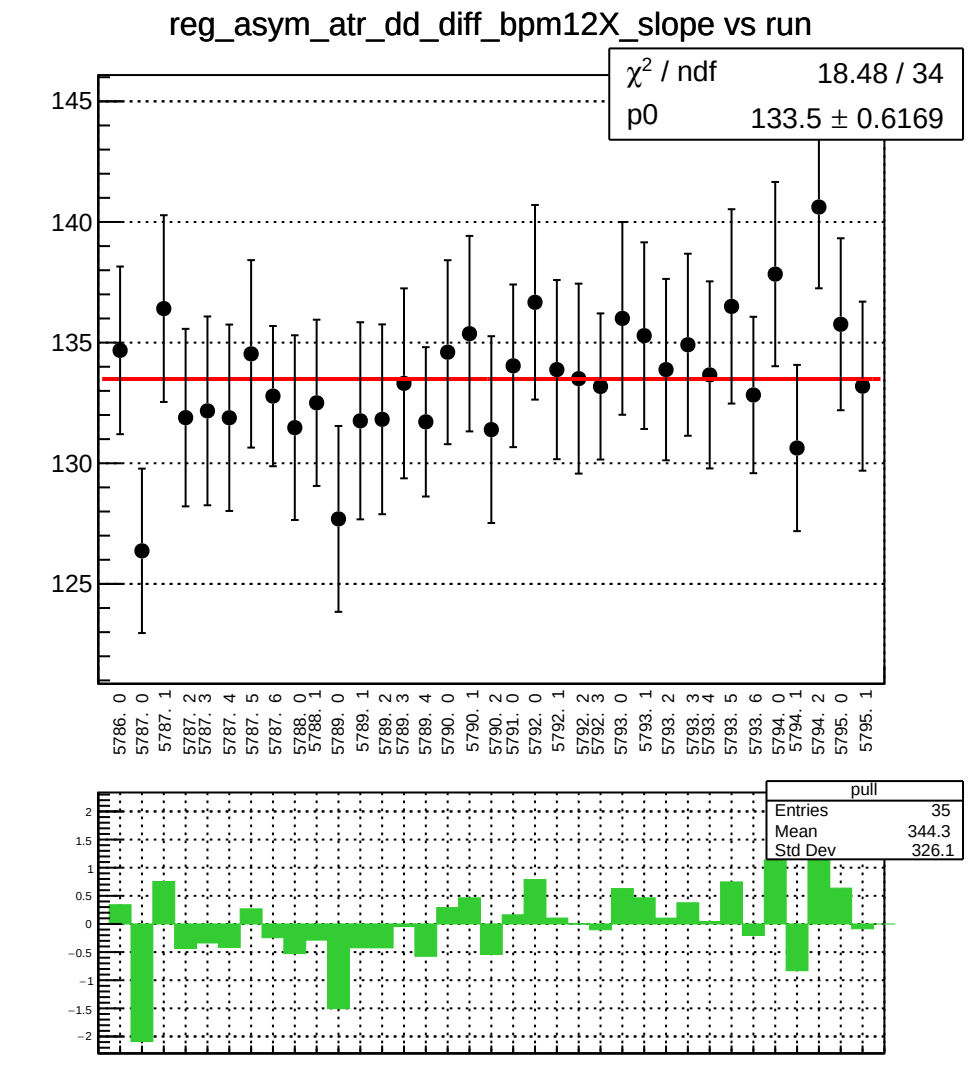

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.83 / 34
p0 302.3 ± 10.09
pull
Entries 35
Mean 74.28
Std Dev 60.73
pull1D
Entries 35
Mean 0.06876
Std Dev 0.8891

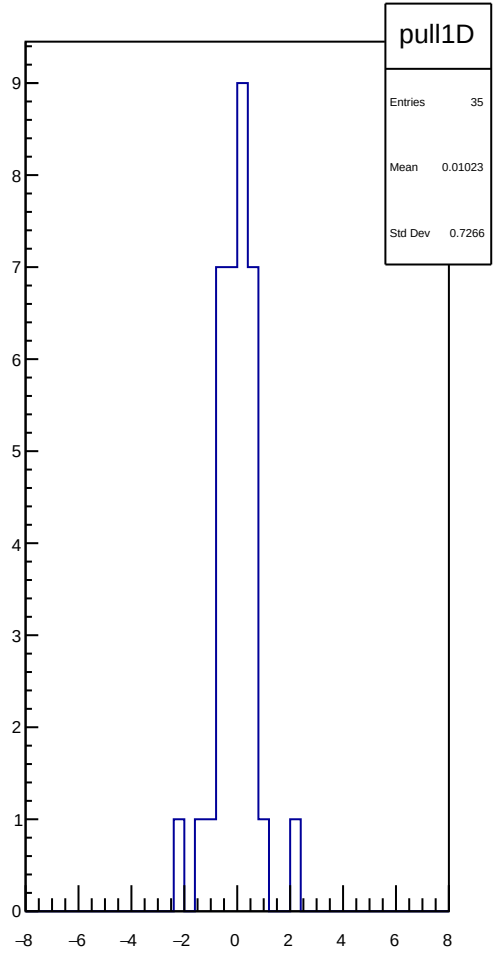

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.92 / 34
p0 −9.094 ± 8.381
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 64.78
Std Dev 52.88
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.05337
Std Dev 0.6284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

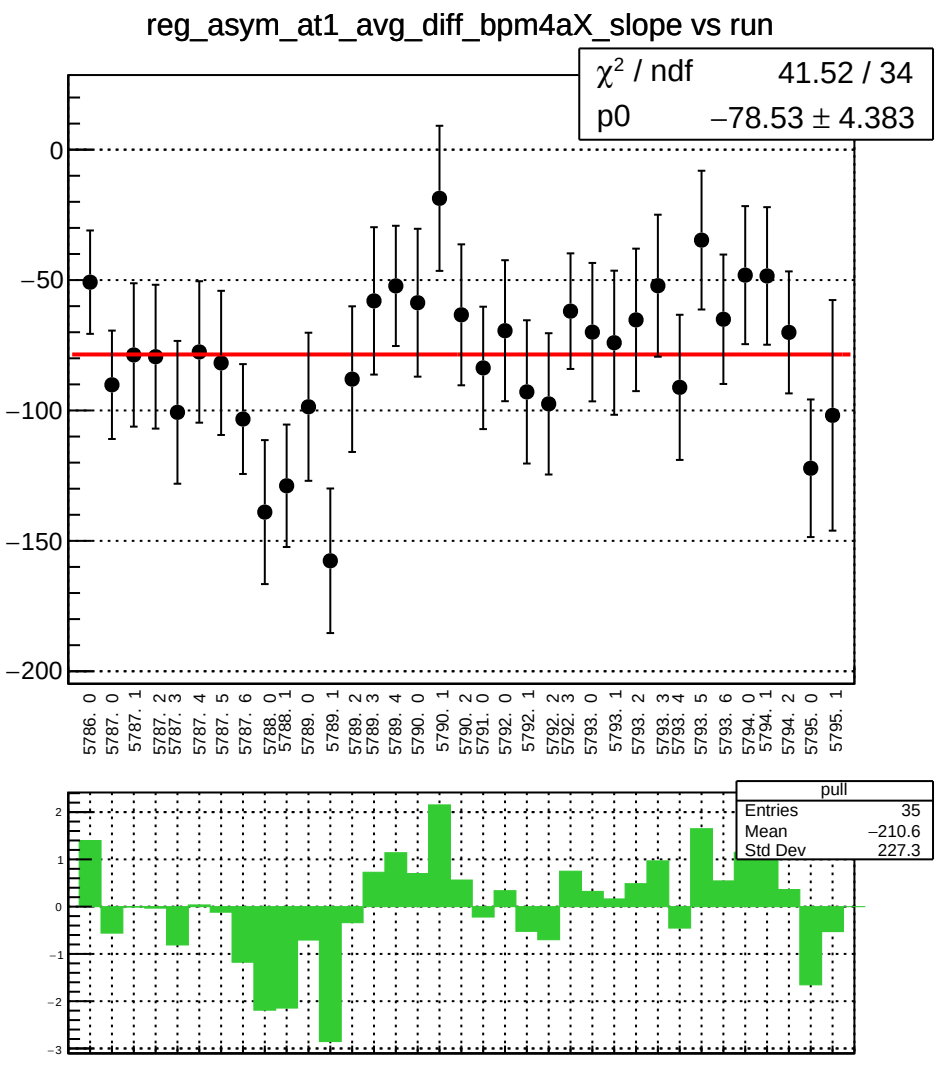

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.02 / 34
p0 −495.2 ± 12.62
−300
−400
−500
−600
−700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 66.2
Std Dev 53.36
3
2
1
0
−1

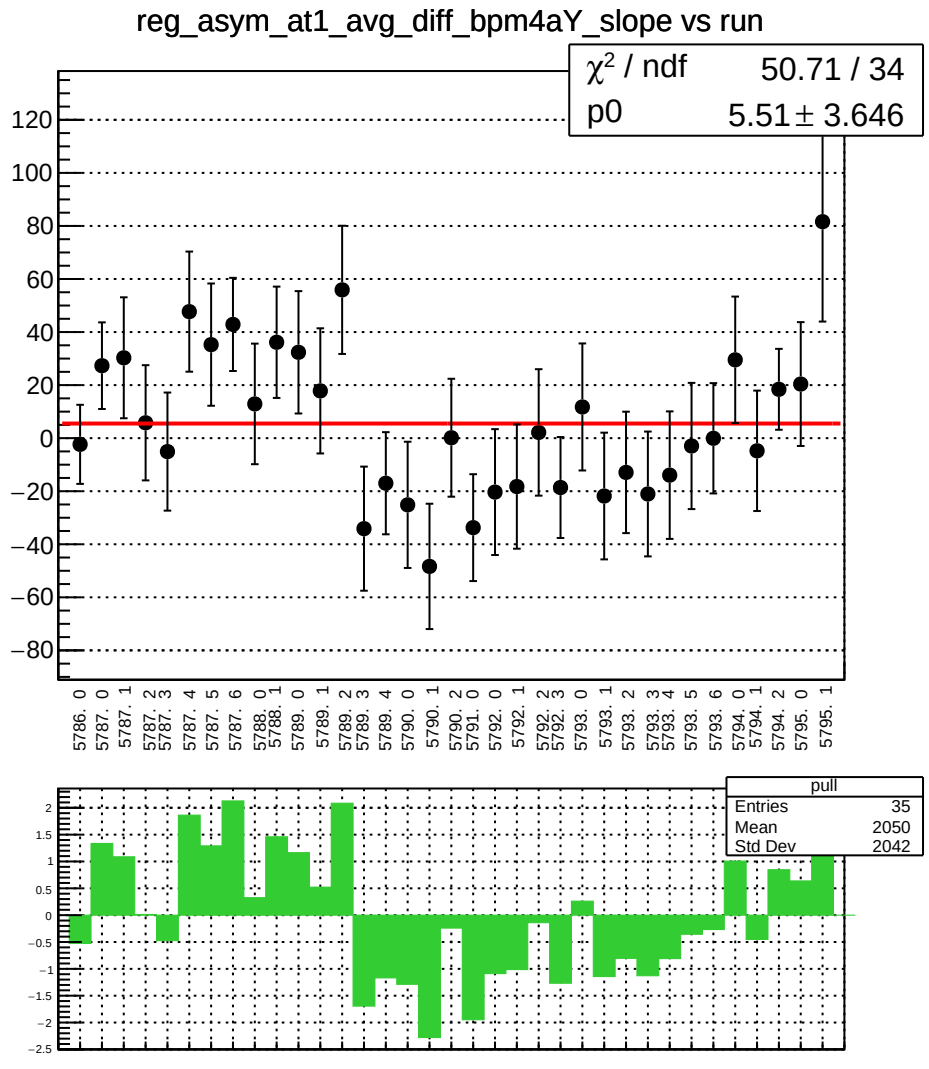

pull1D
Entries 35
Mean −0.07005
Std Dev 0.8758
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

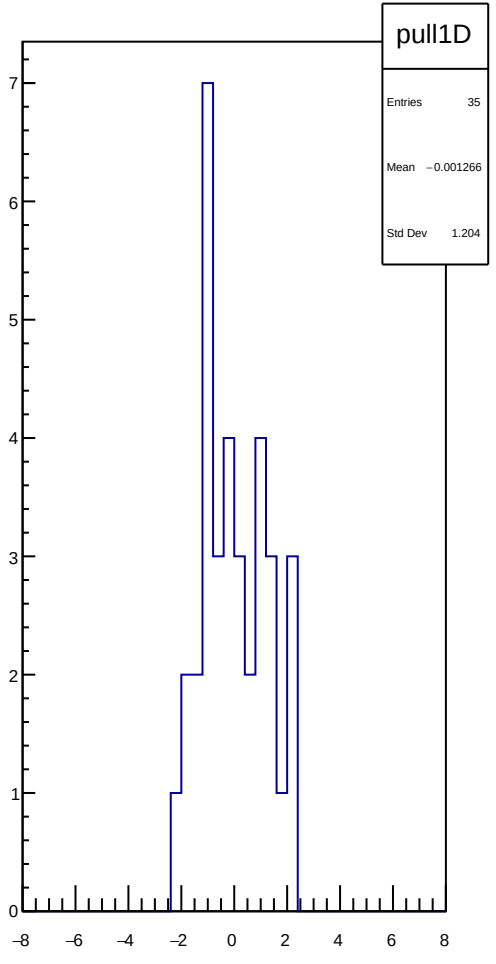

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.64 / 34
p0 −65.09 ± 9.204
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 68.57
Std Dev 56.77
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.05373
Std Dev 0.6662
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

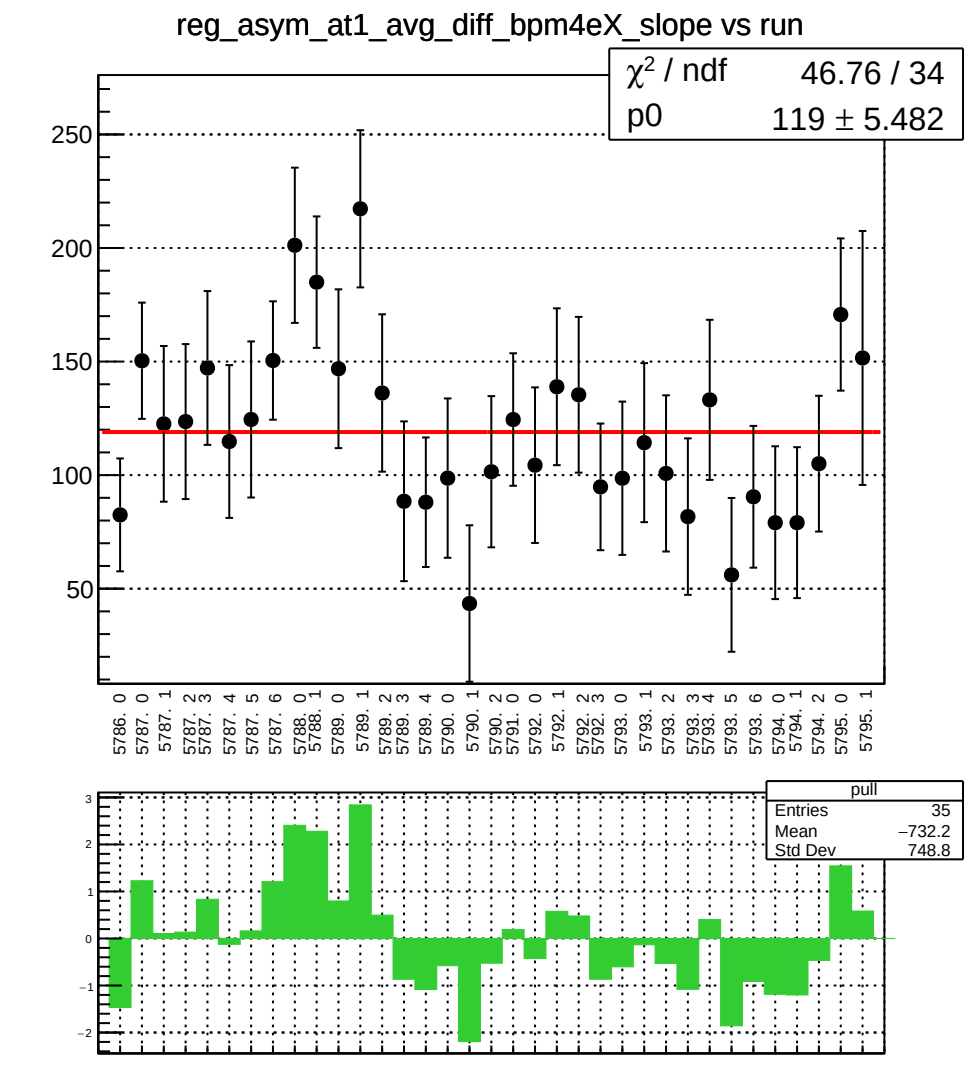

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 18.48 / 34
p0 133.5 ± 0.6169
145
140
135
130
125
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 344.3
Std Dev 326.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

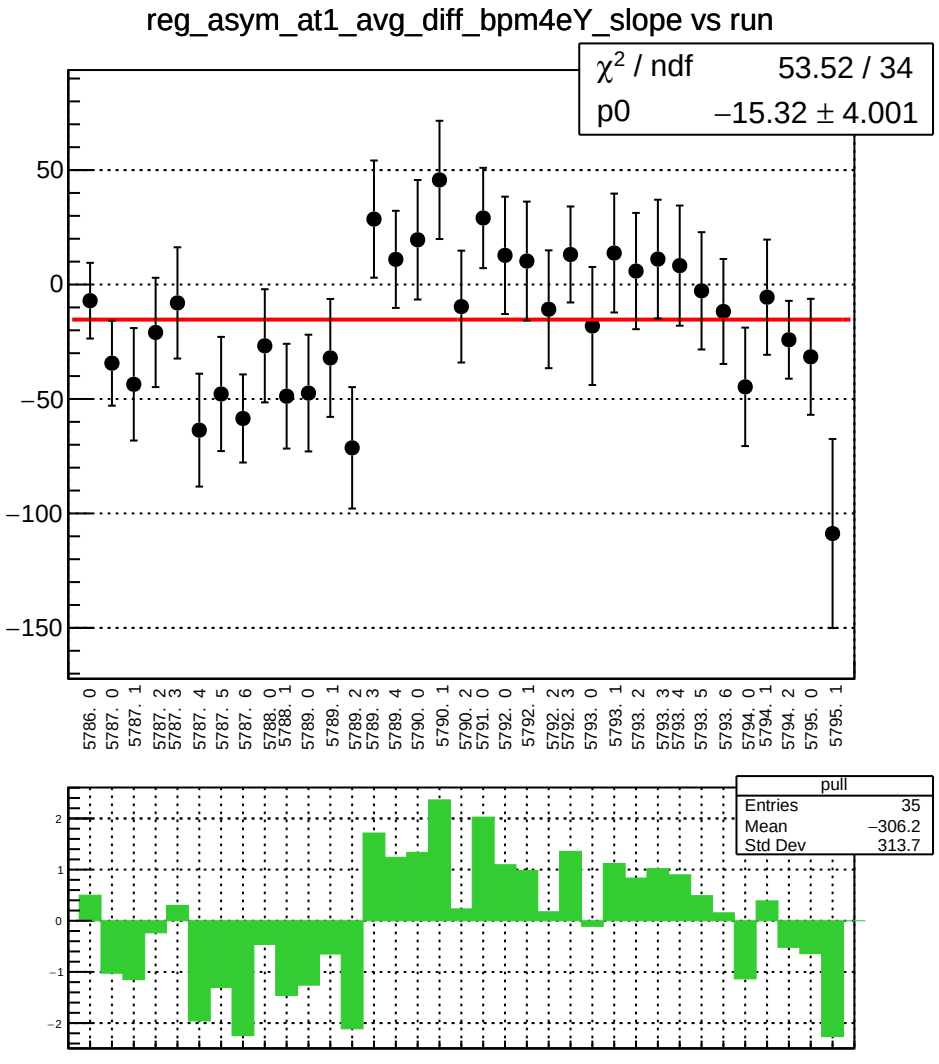

pull1D
Entries 35
Mean 0.01023
Std Dev 0.7266
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

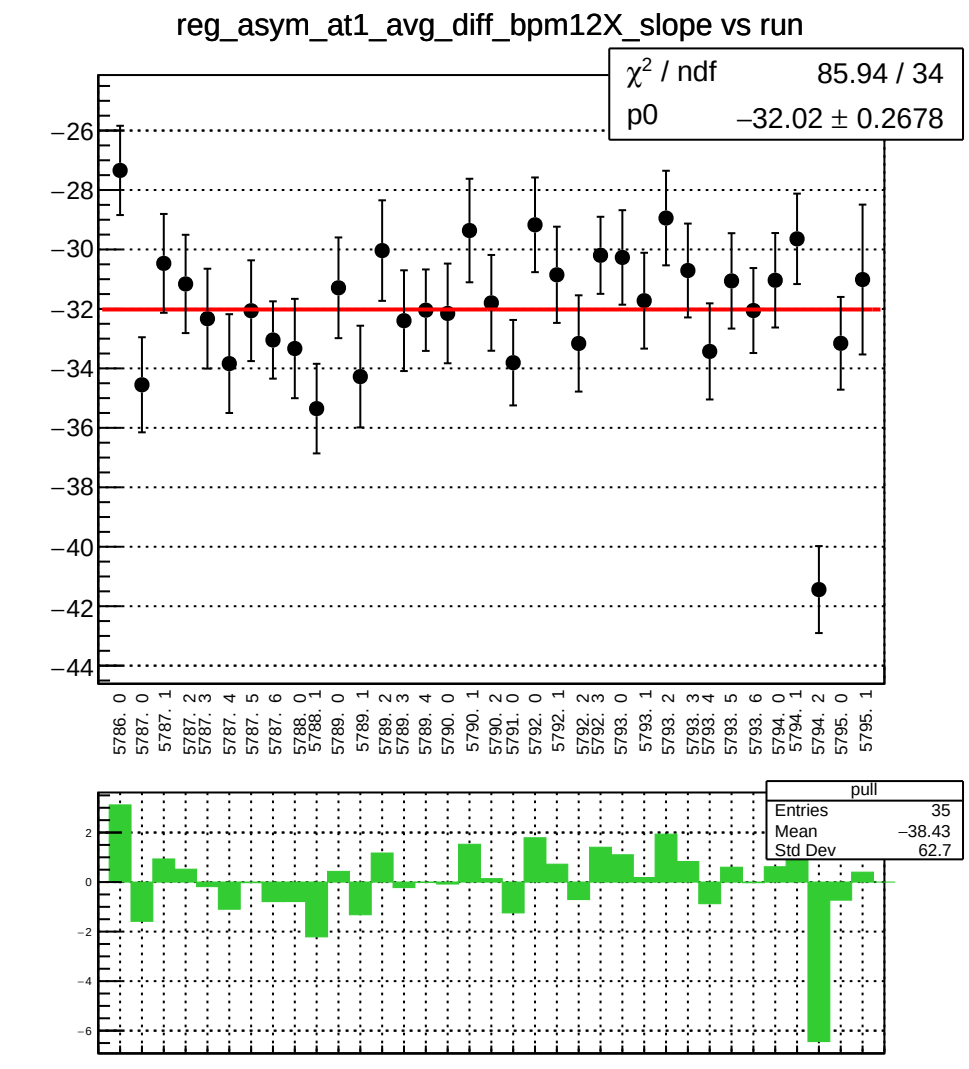

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 41.52 / 34
p0 −78.53 ± 4.383
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −210.6
Std Dev 227.3
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean −0.01204
Std Dev 1.089
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

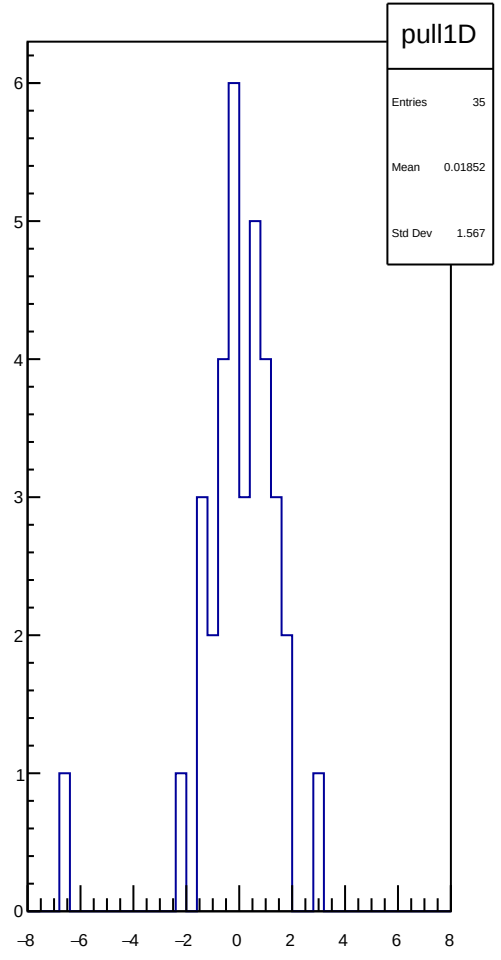

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.71 / 34
p0 5.51 ± 3.646
pull
Entries 35
Mean 2050
Std Dev 2042

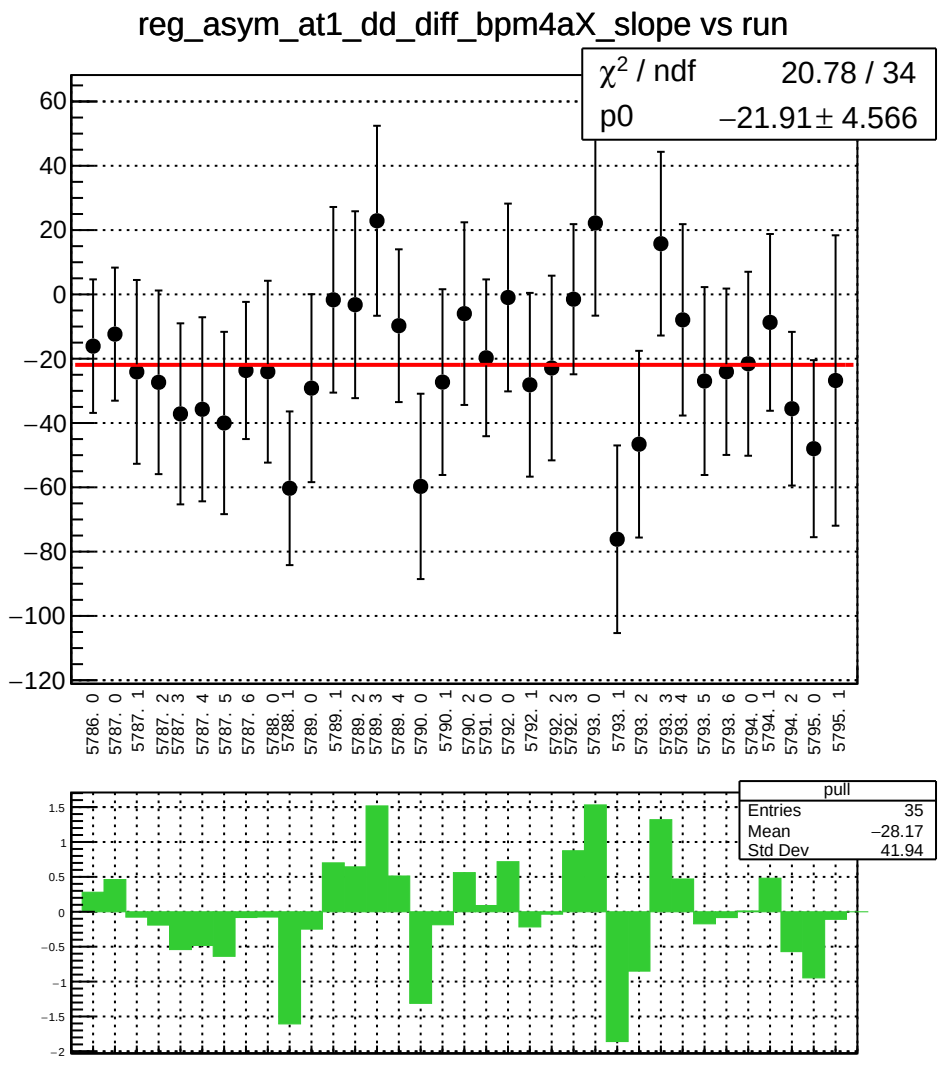

pull1D
Entries 35
Mean −0.001266
Std Dev 1.204

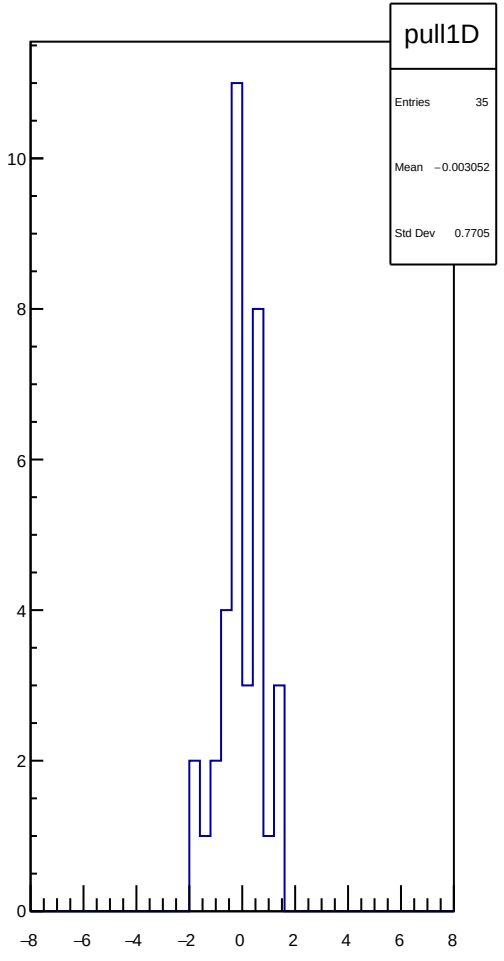

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.76 / 34
p0 119 ± 5.482
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −732.2
Std Dev 748.8
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.004883
Std Dev 1.156
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

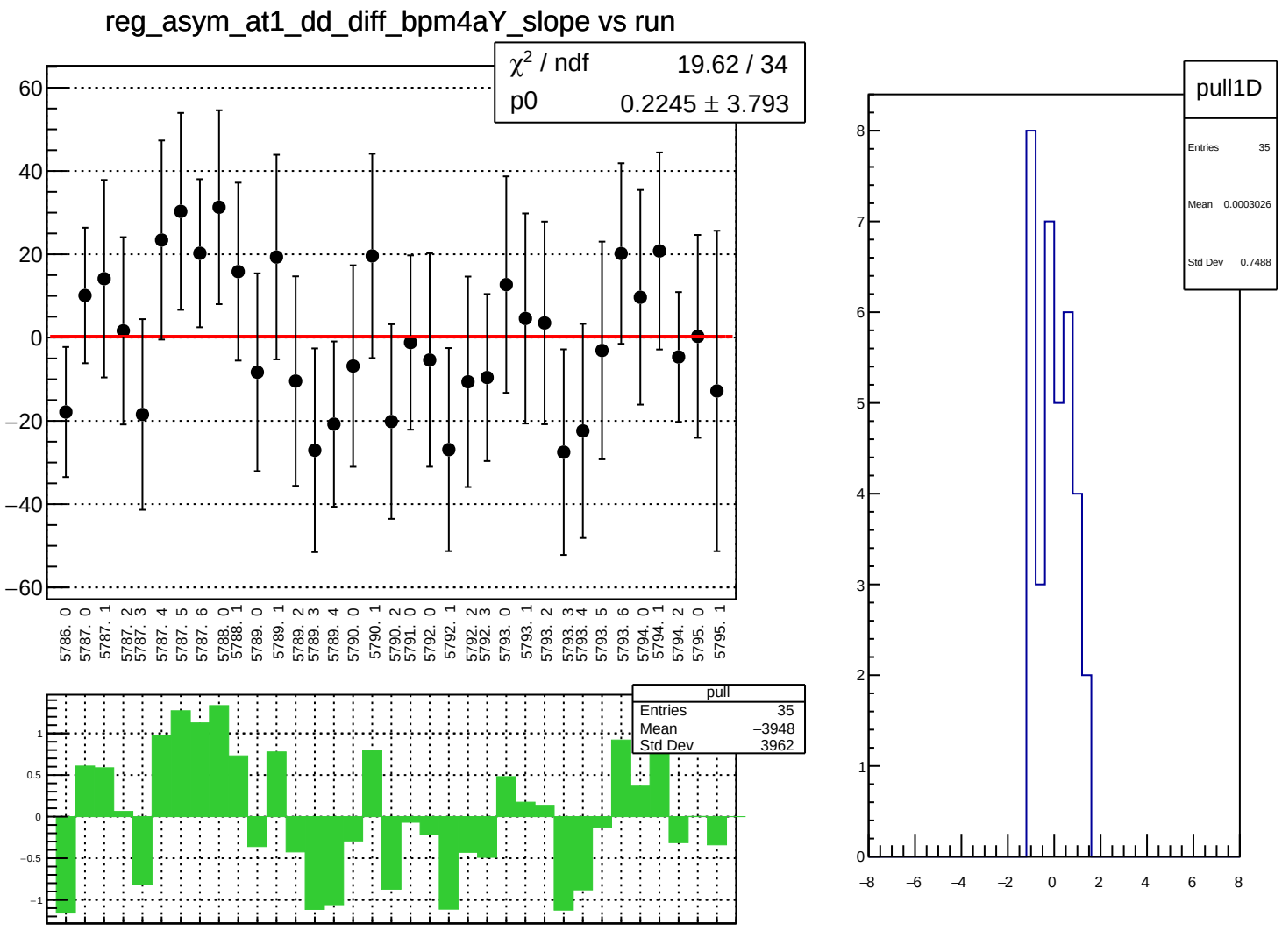

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.52 / 34
p0 −15.32 ± 4.001
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −306.2
Std Dev 313.7
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.008511
Std Dev 1.237
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

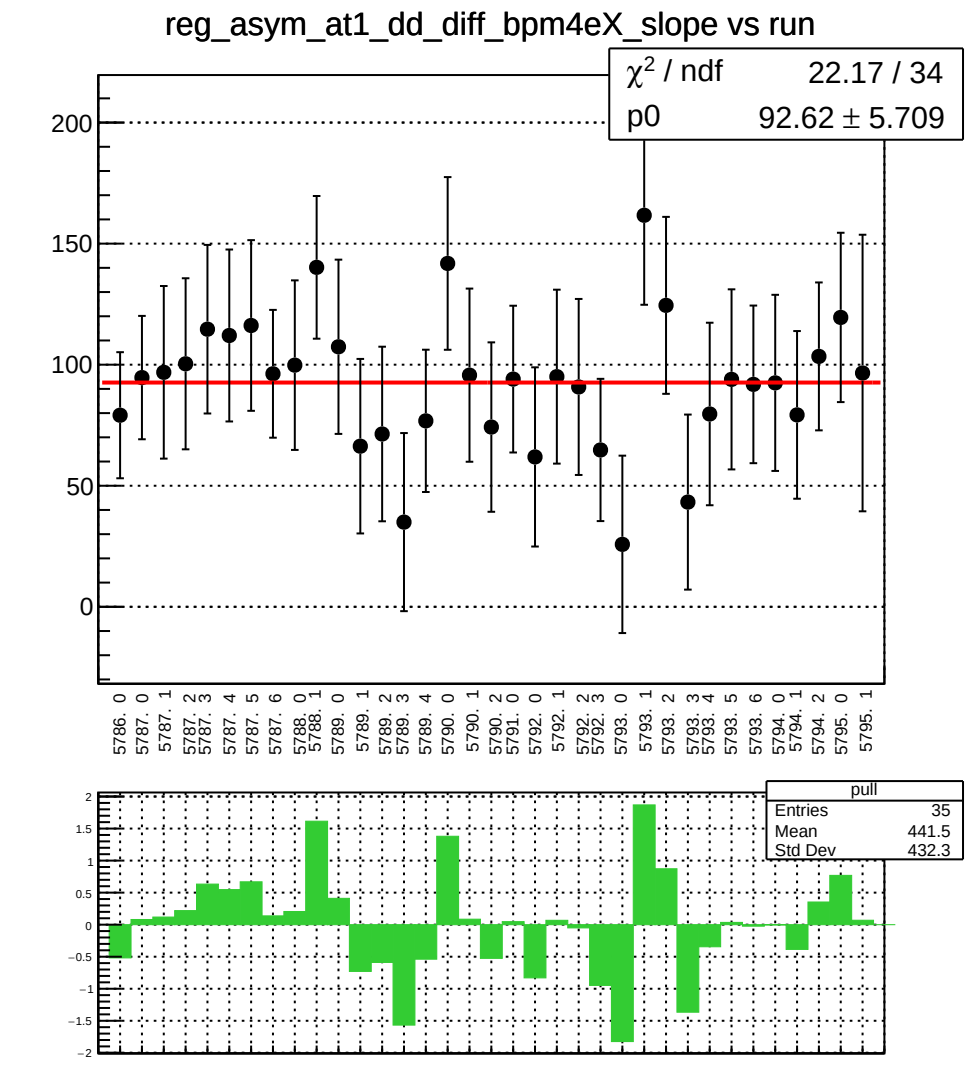

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 85.94 / 34
p0 −32.02 ± 0.2678
pull
Entries 35
Mean −38.43
Std Dev 62.7

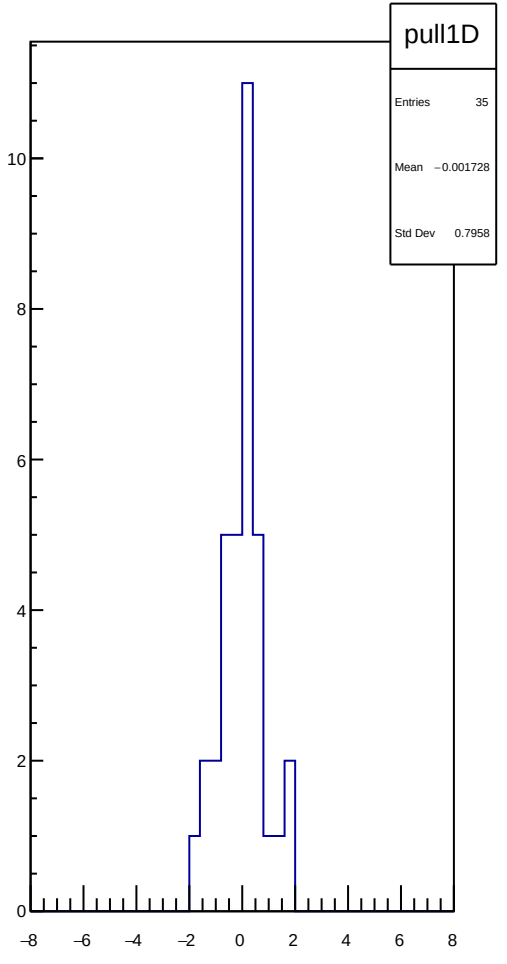

pull1D
Entries 35
Mean 0.01852
Std Dev 1.567

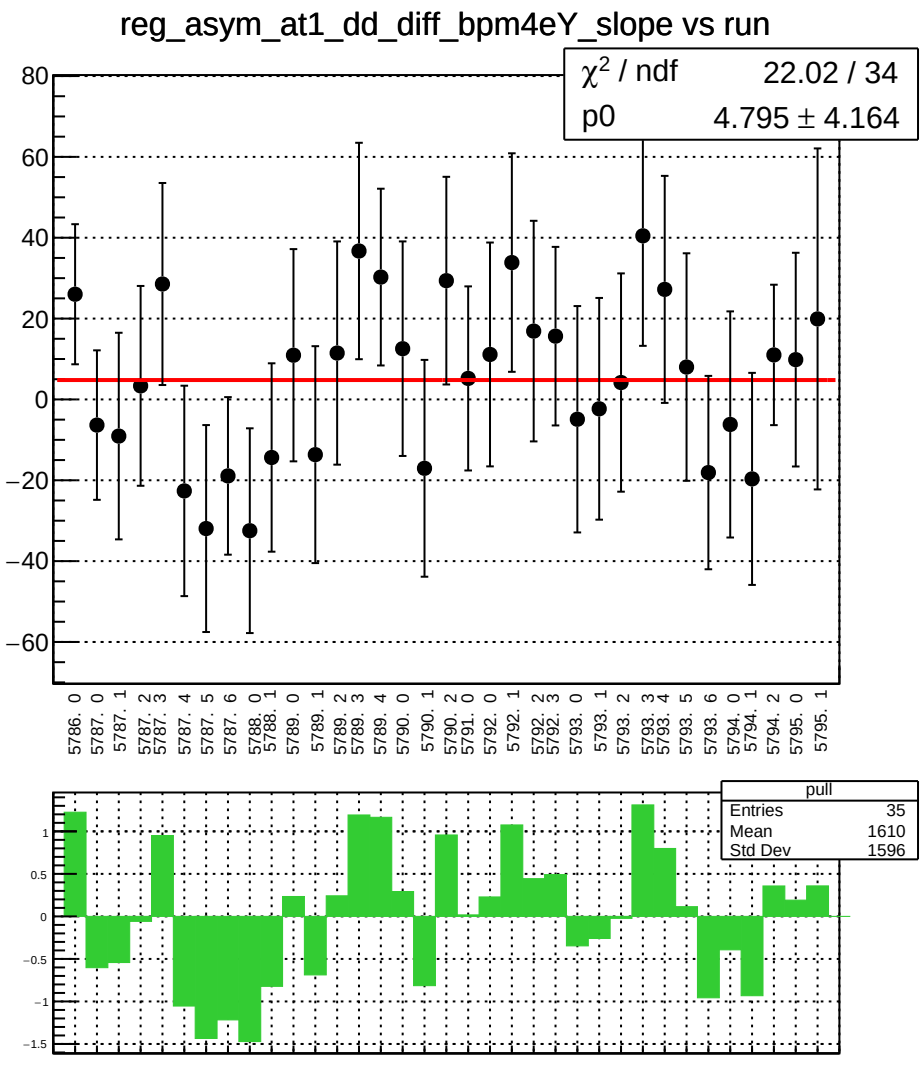

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 20.78 / 34
p0 −21.91 ± 4.566
pull
Entries 35
Mean −28.17
Std Dev 41.94

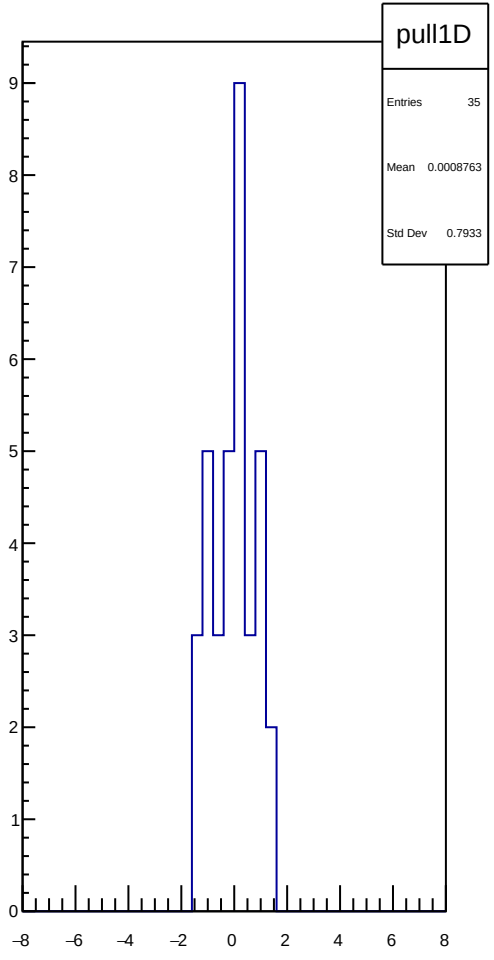

pull1D
Entries 35
Mean −0.003052
Std Dev 0.7705

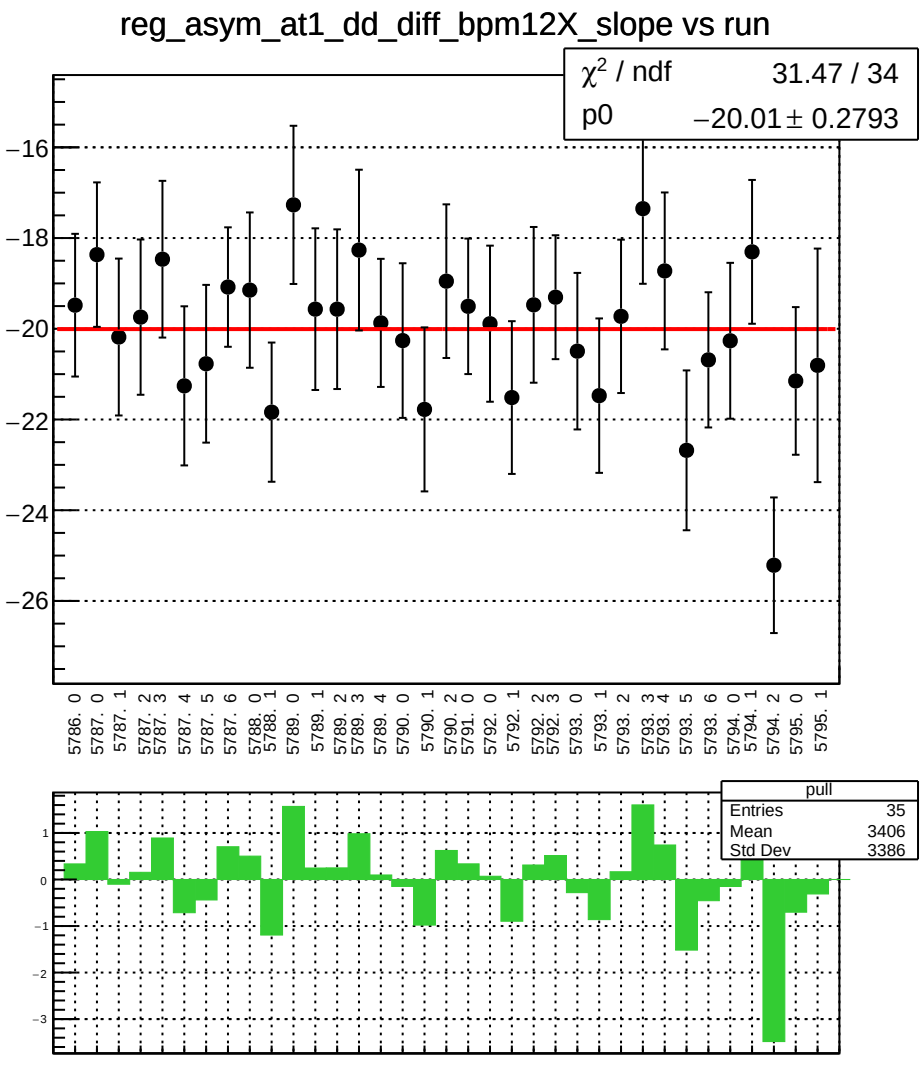

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.62 / 34
p0 0.2245 ± 3.793
pull
Entries 35
Mean −3948
Std Dev 3962
pull1D
Entries 35
Mean 0.0003026
Std Dev 0.7488

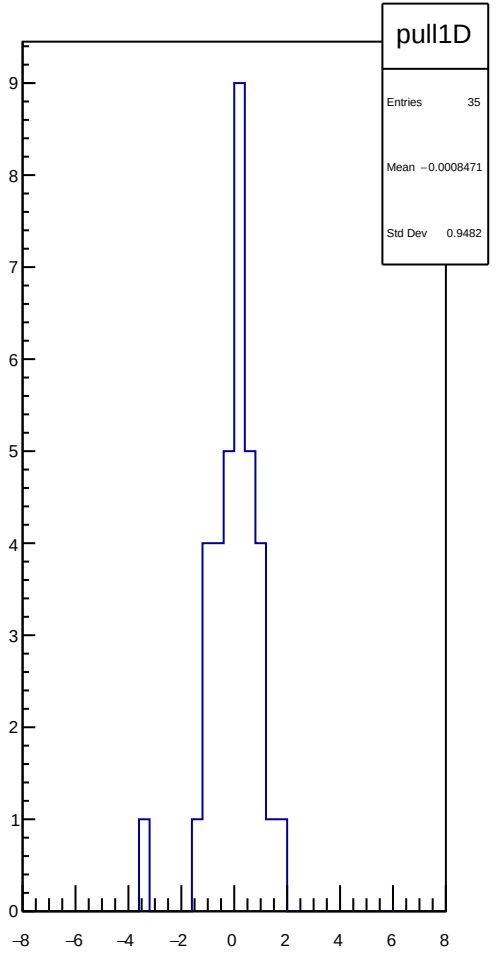

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.17 / 34
p0 92.62 ± 5.709
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 441.5
Std Dev 432.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

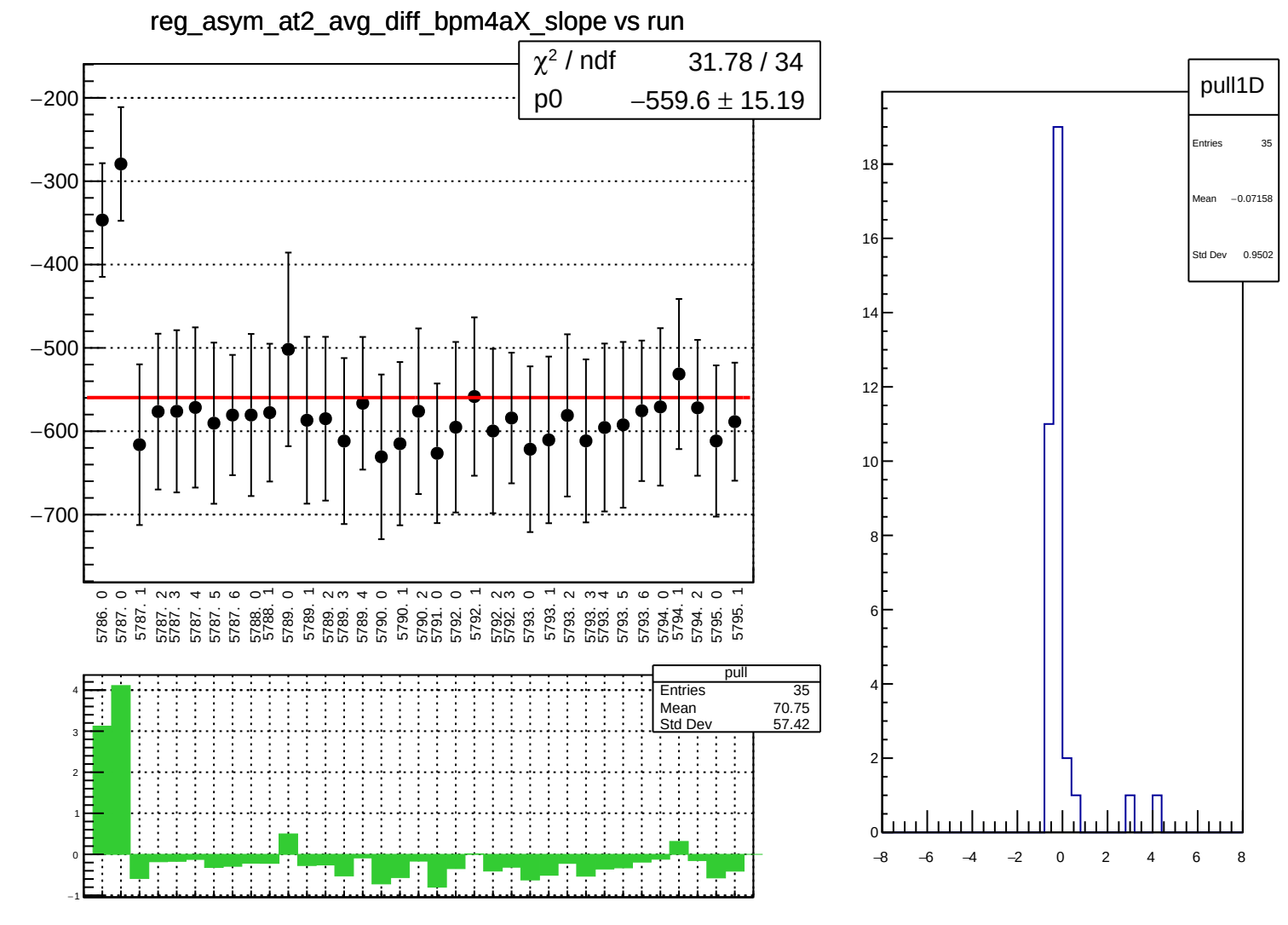

pull1D
Entries 35
Mean −0.001728
Std Dev 0.7958
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

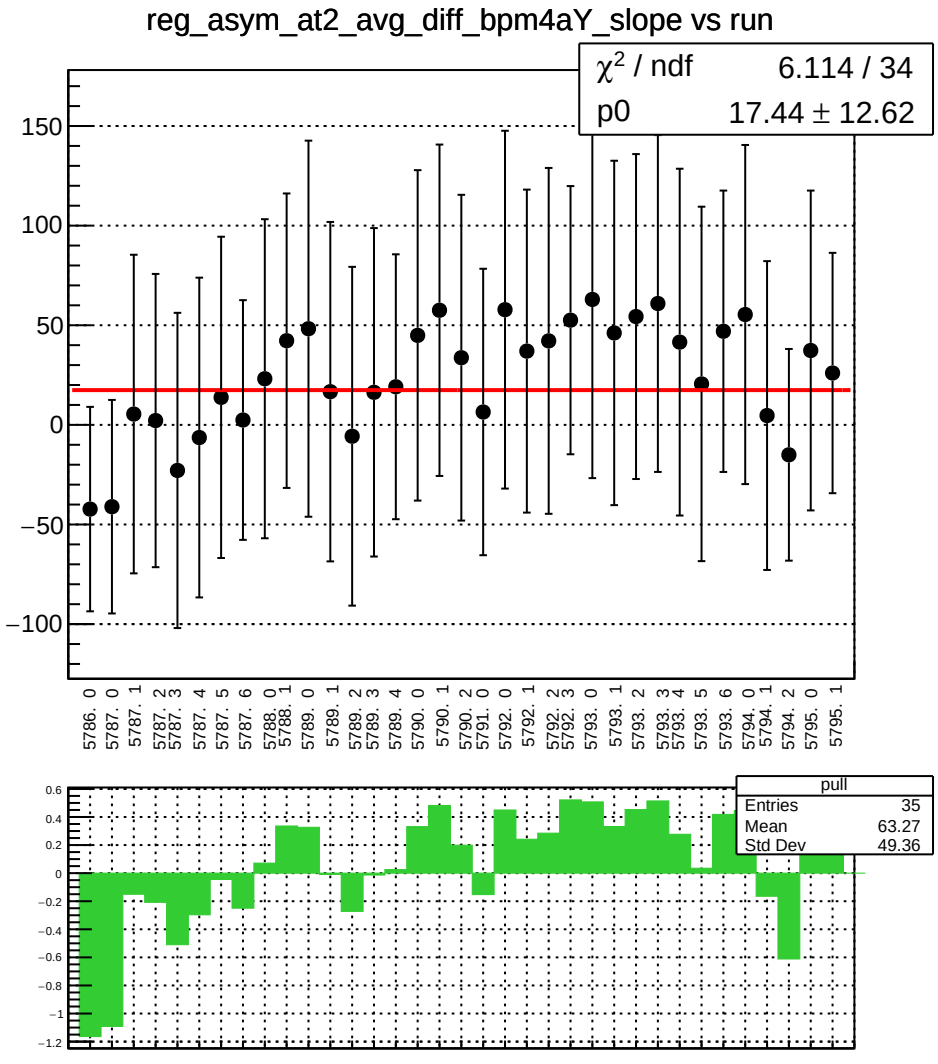

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.02 / 34
p0 4.795 ± 4.164
pull
Entries 35
Mean 1610
Std Dev 1596

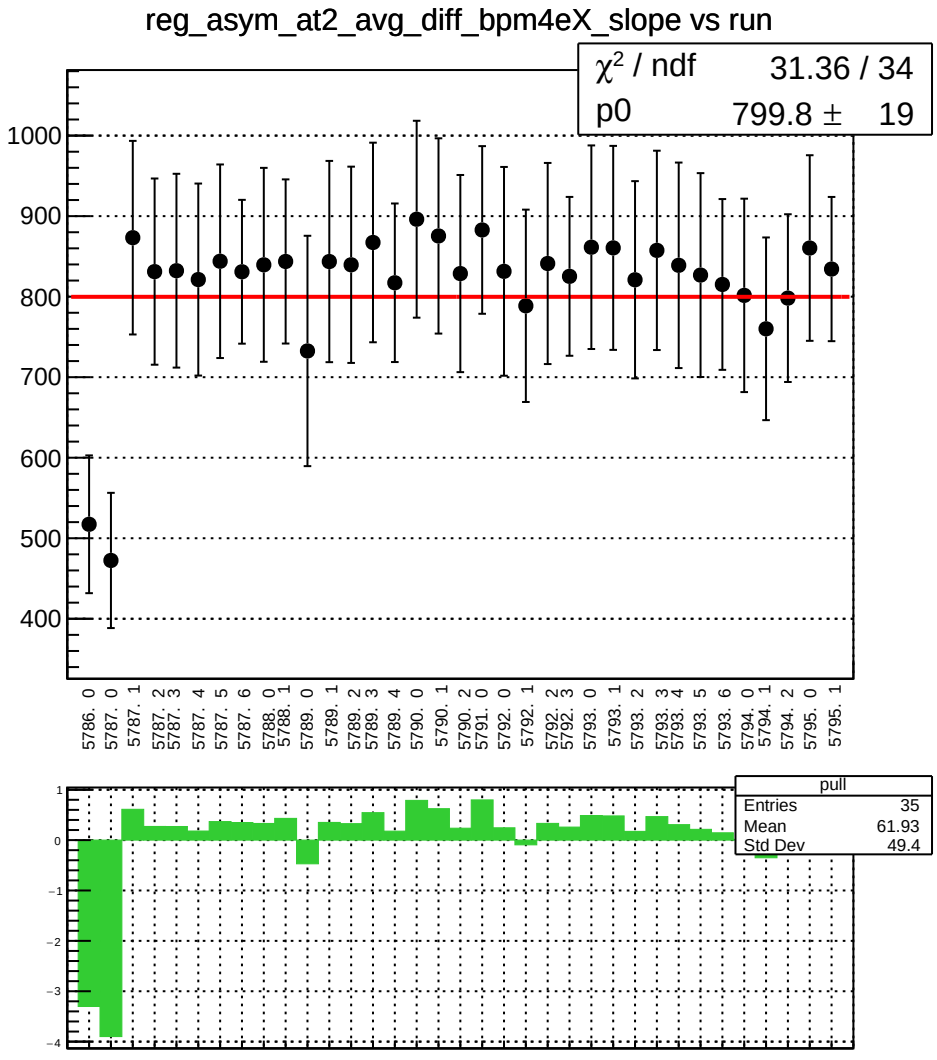

pull1D
Entries 35
Mean 0.0008763
Std Dev 0.7933

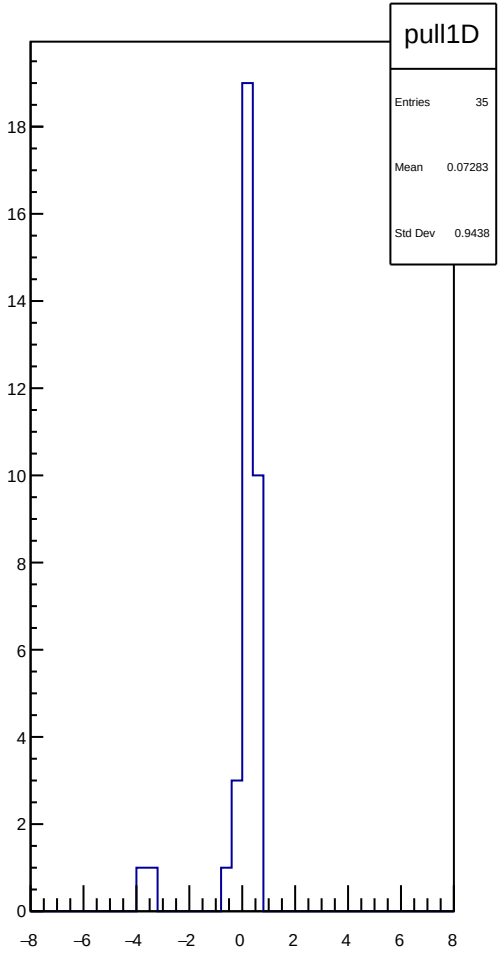

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 31.47 / 34
p0 −20.01 ± 0.2793
−16
−18
−20
−22
−24
−26
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 3406
Std Dev 3386
1
0
−1
−2
−3

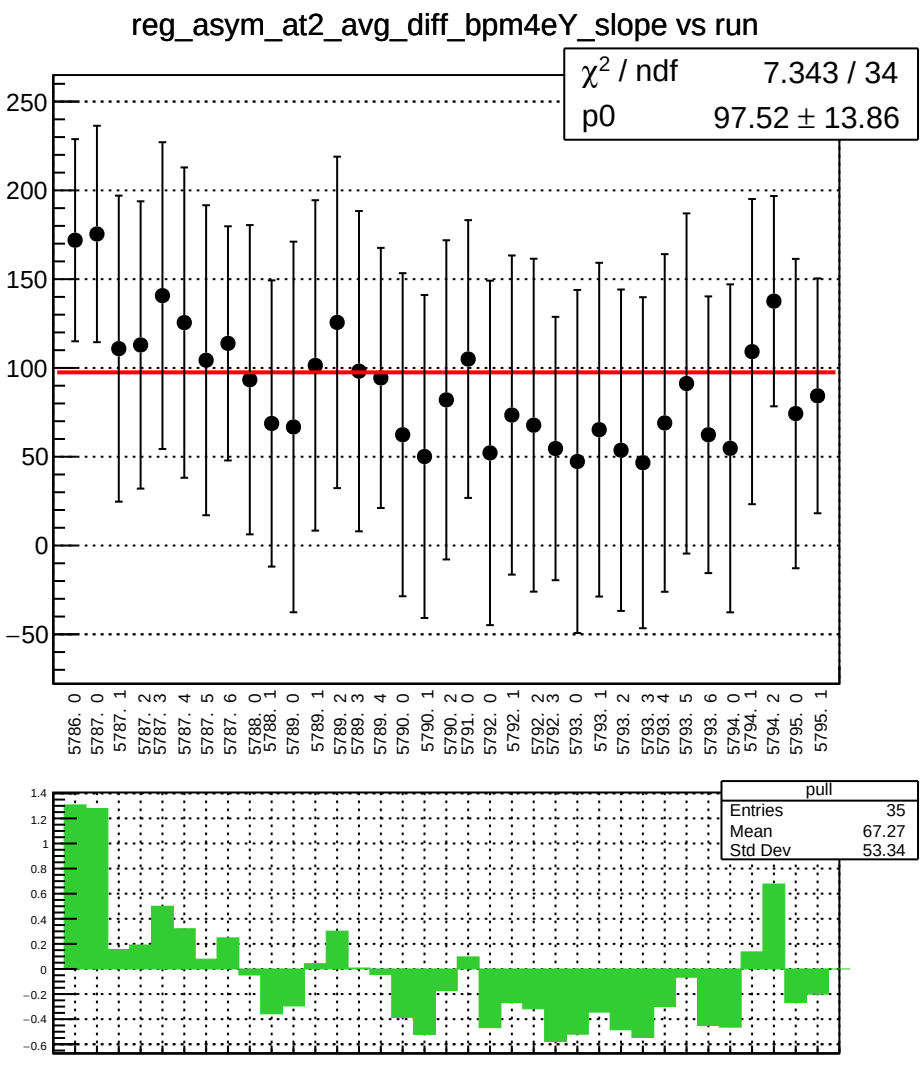

pull1D
Entries 35
Mean −0.0008471
Std Dev 0.9482
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

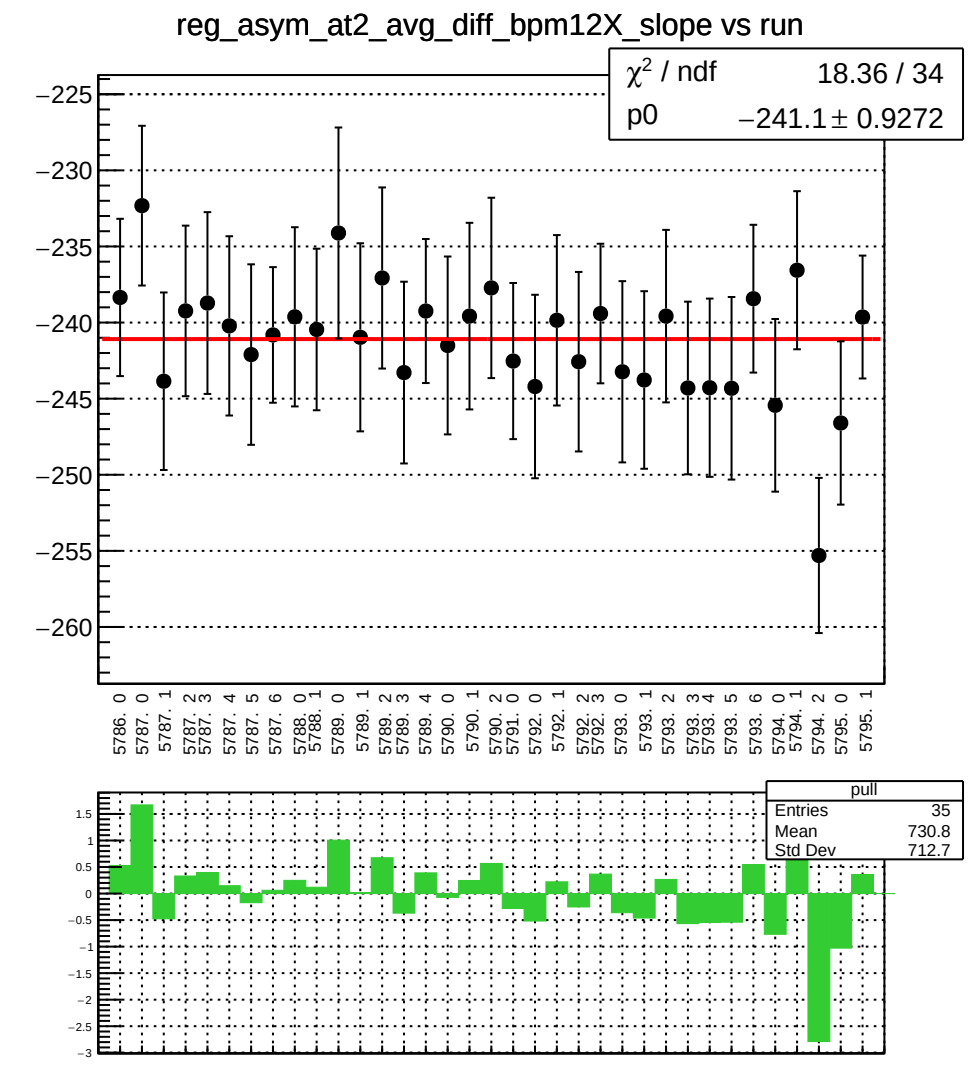

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 31.78 / 34
p0 −559.6 ± 15.19
−200
−300
−400
−500
−600
−700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.75
Std Dev 57.42
4
3
2
1
0
−1
pull1D
Entries 35
Mean −0.07158
Std Dev 0.9502
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

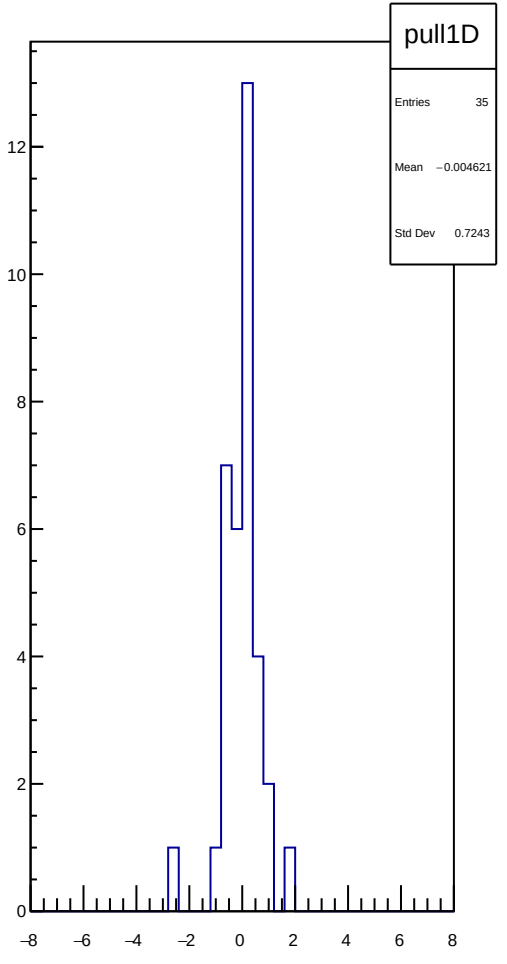

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.114 / 34
p0 17.44 ± 12.62
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 63.27
Std Dev 49.36
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 35
Mean 0.04866
Std Dev 0.4151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

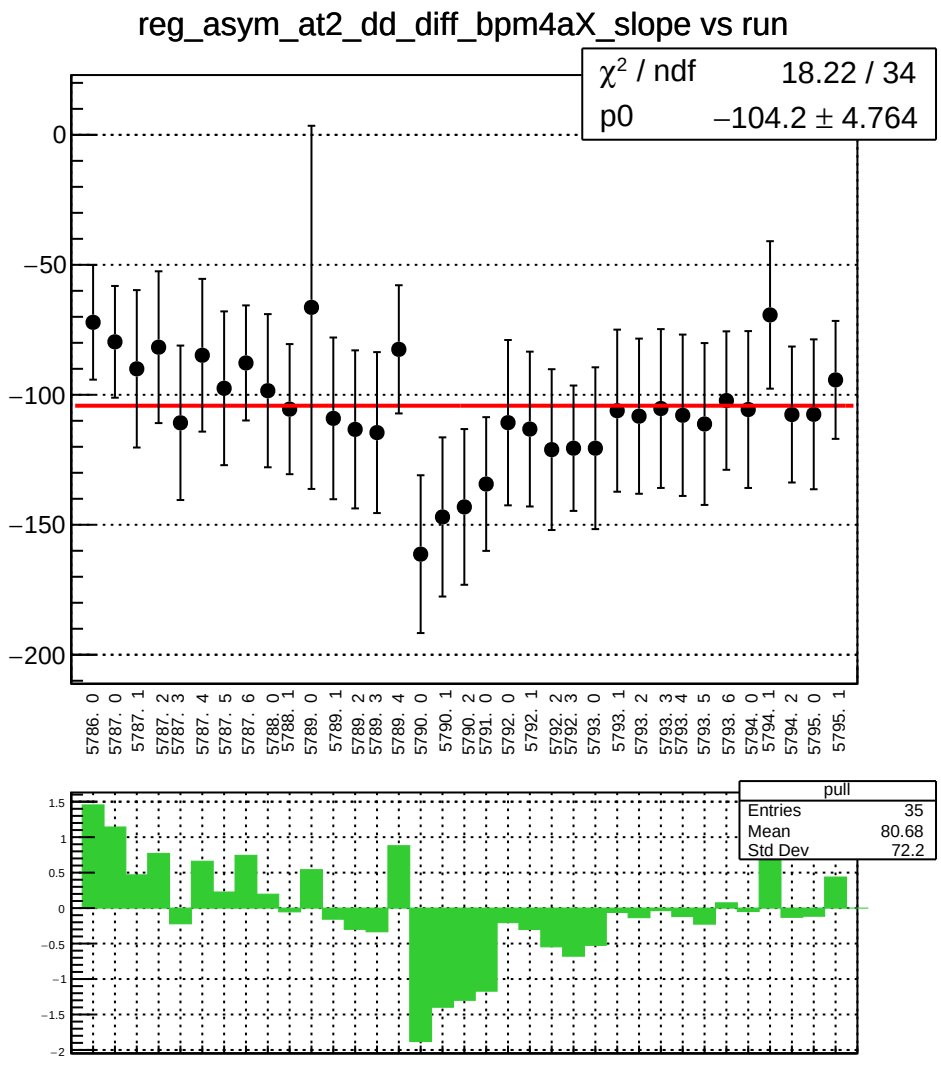

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.36 / 34
p0 799.8 ± 19
1000
900
800
700
600
500
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 61.93
Std Dev 49.4
1
0
−1
−2
−3
−4

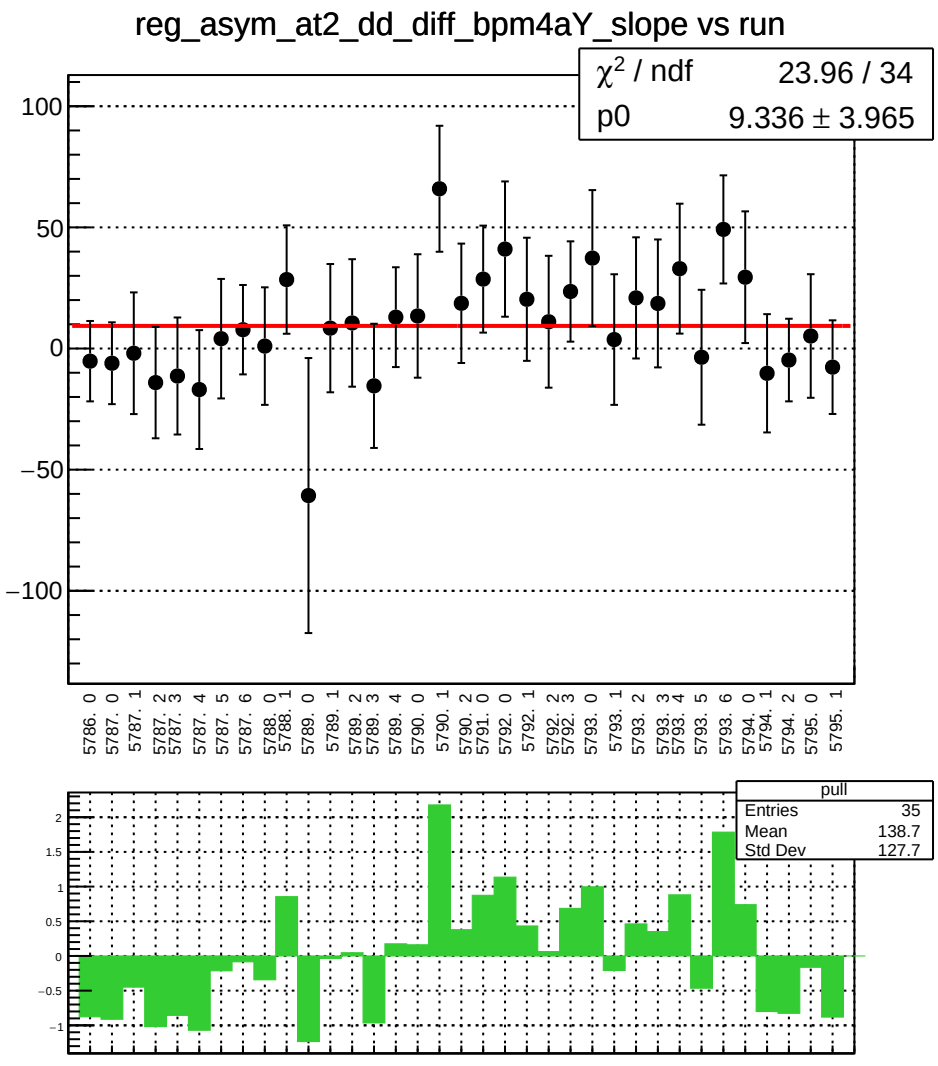

pull1D
Entries 35
Mean 0.07283
Std Dev 0.9438
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

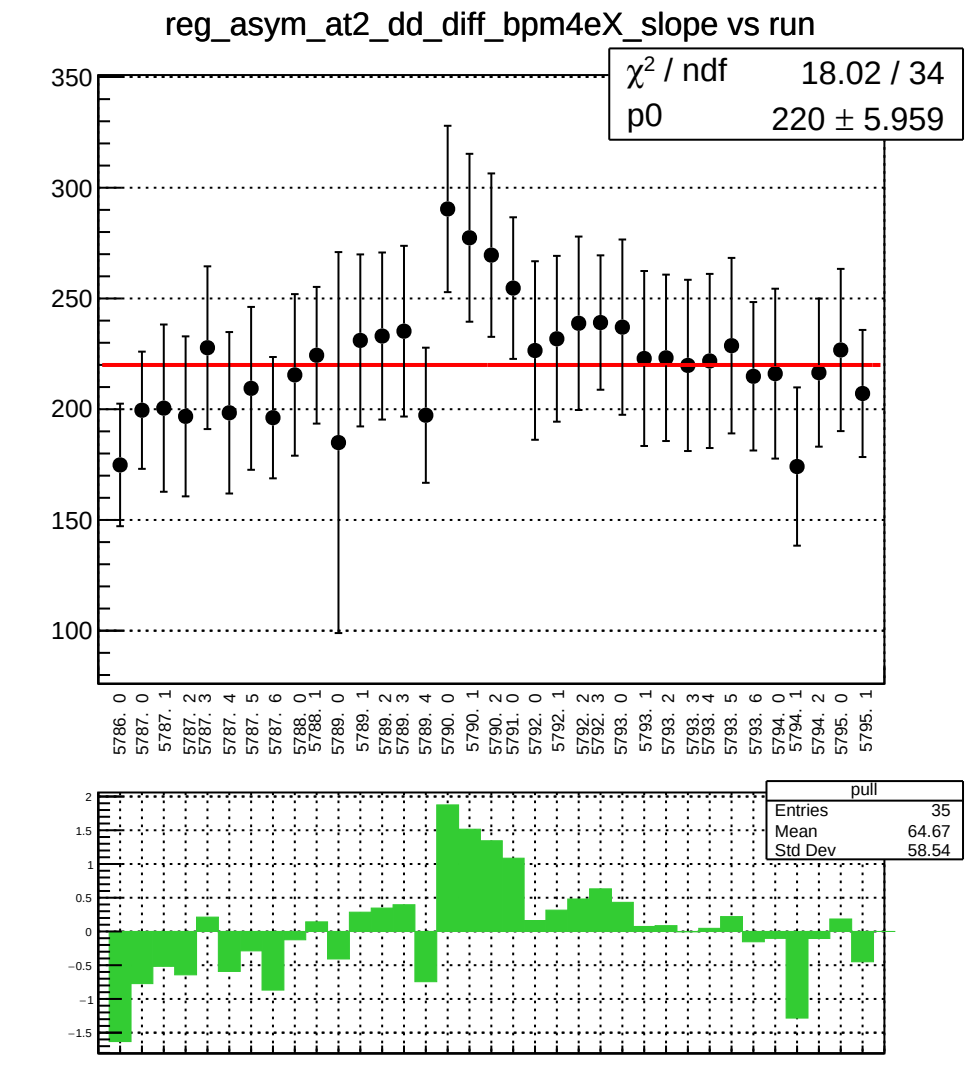

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.343 / 34
p0 97.52 ± 13.86
250
200
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 67.27
Std Dev 53.34
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 35
Mean −0.05009
Std Dev 0.4553
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

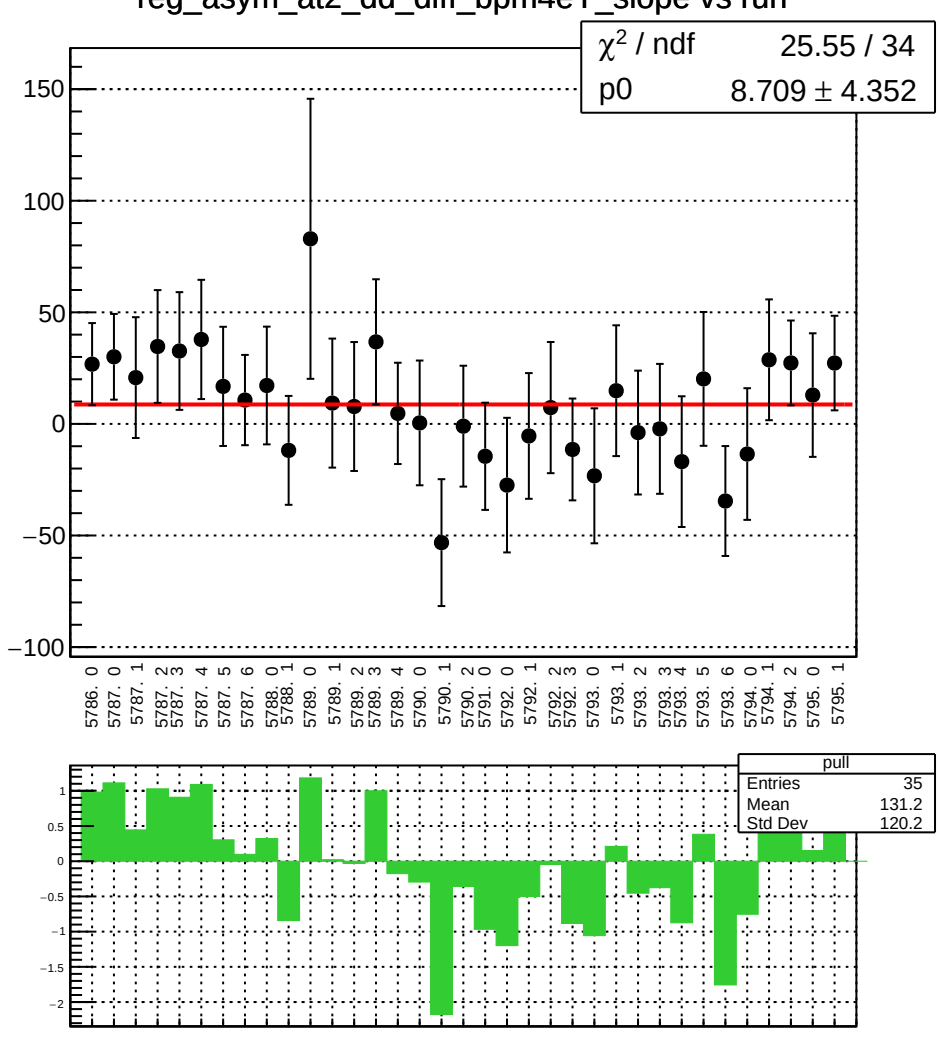

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.36 / 34
p0 −241.1 ± 0.9272
−225
−230
−235
−240
−245
−250
−255
−260
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 730.8
Std Dev 712.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

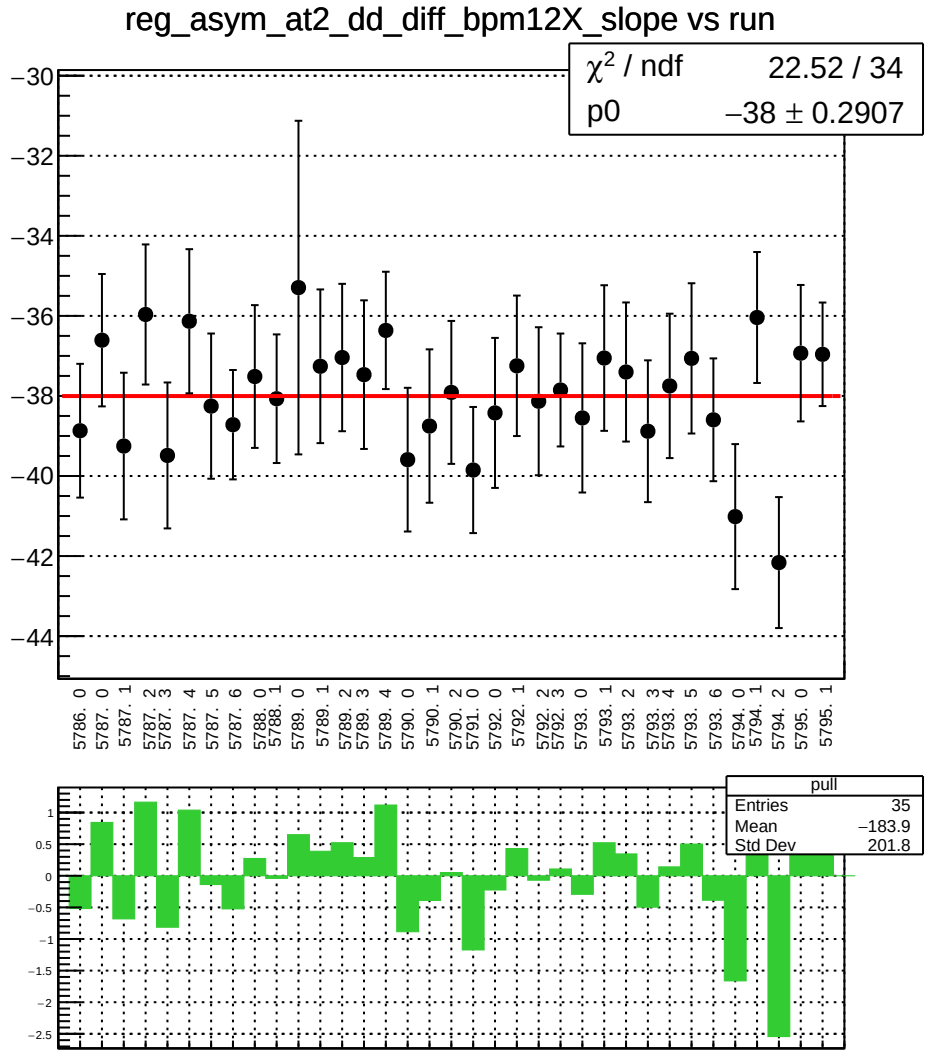

pull1D
Entries 35
Mean −0.004621
Std Dev 0.7243
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

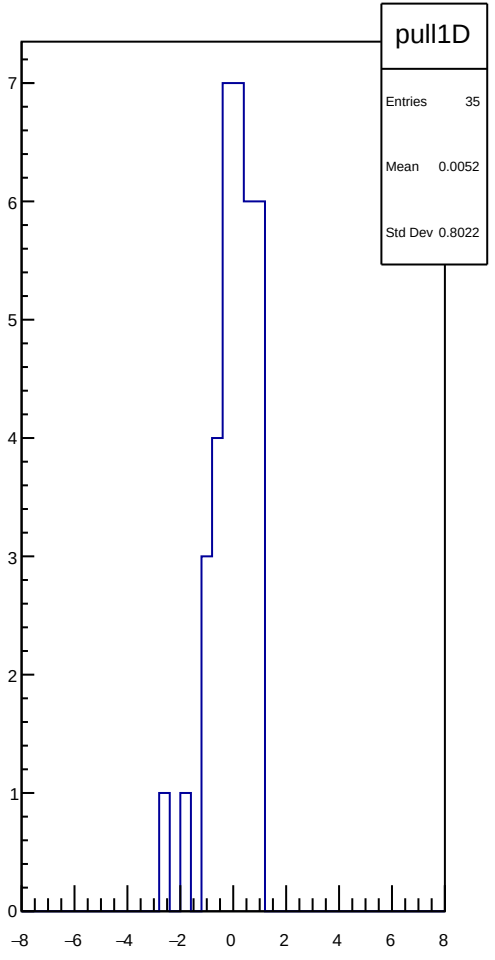

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.22 / 34
p0 −104.2 ± 4.764
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 80.68
Std Dev 72.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.03175
Std Dev 0.7207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

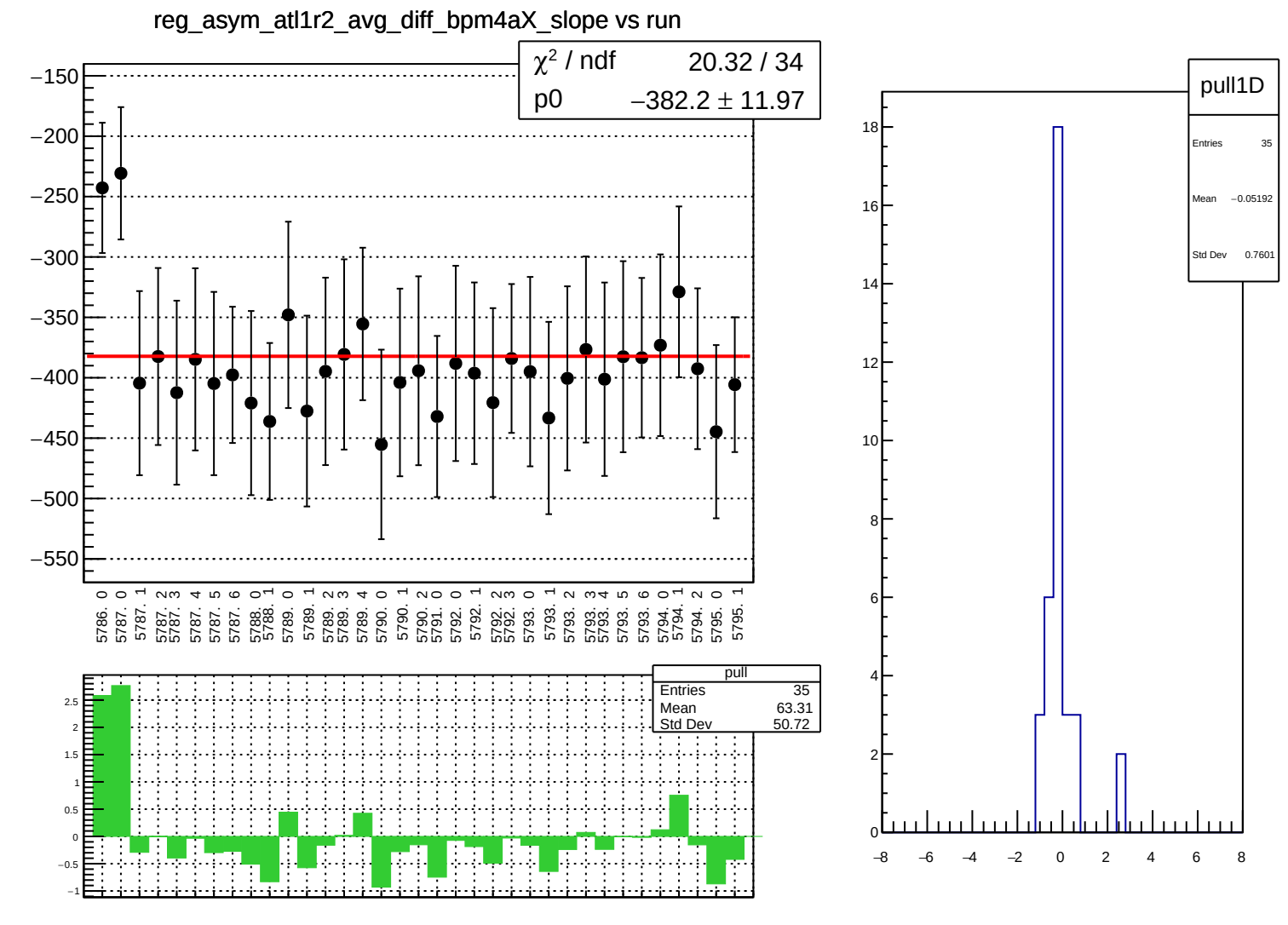

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.96 / 34
p0 9.336 ± 3.965
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 138.7
Std Dev 127.7
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.02272
Std Dev 0.8272
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

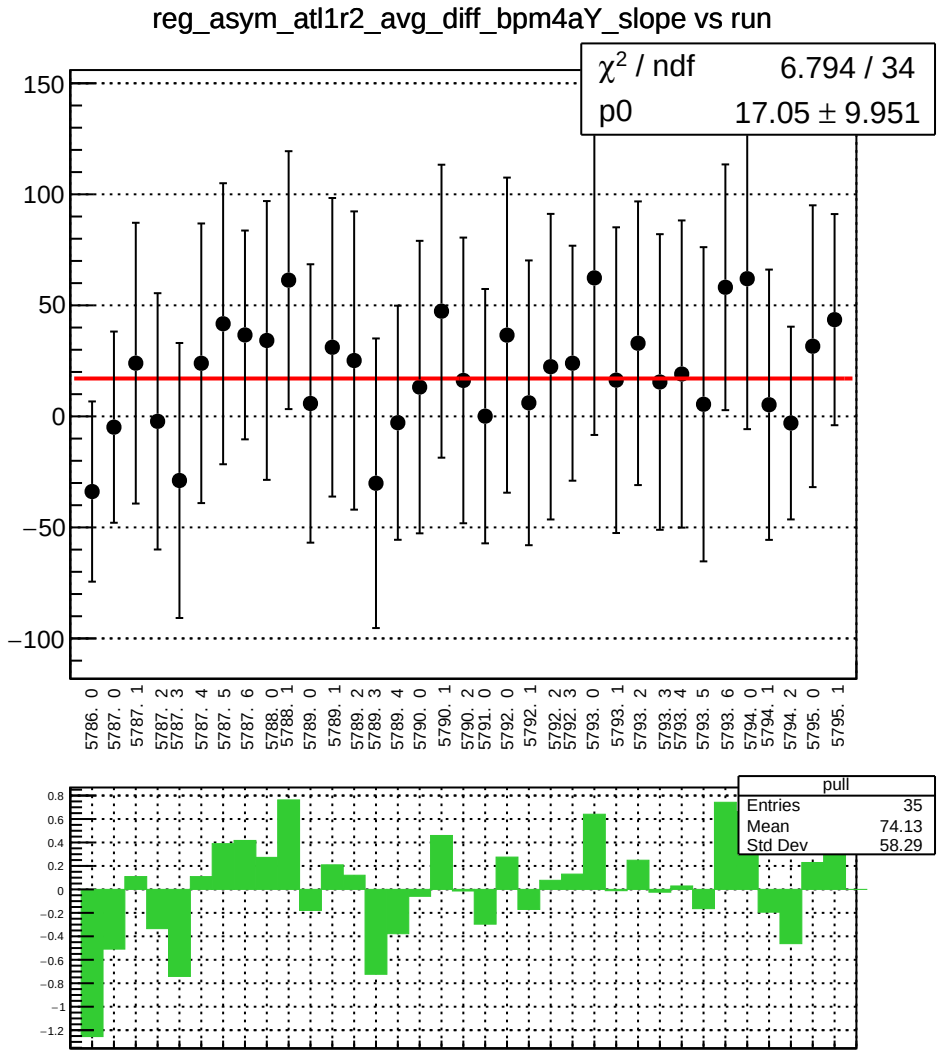

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.02 / 34
p0 220 ± 5.959
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 64.67
Std Dev 58.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.03301
Std Dev 0.7167
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

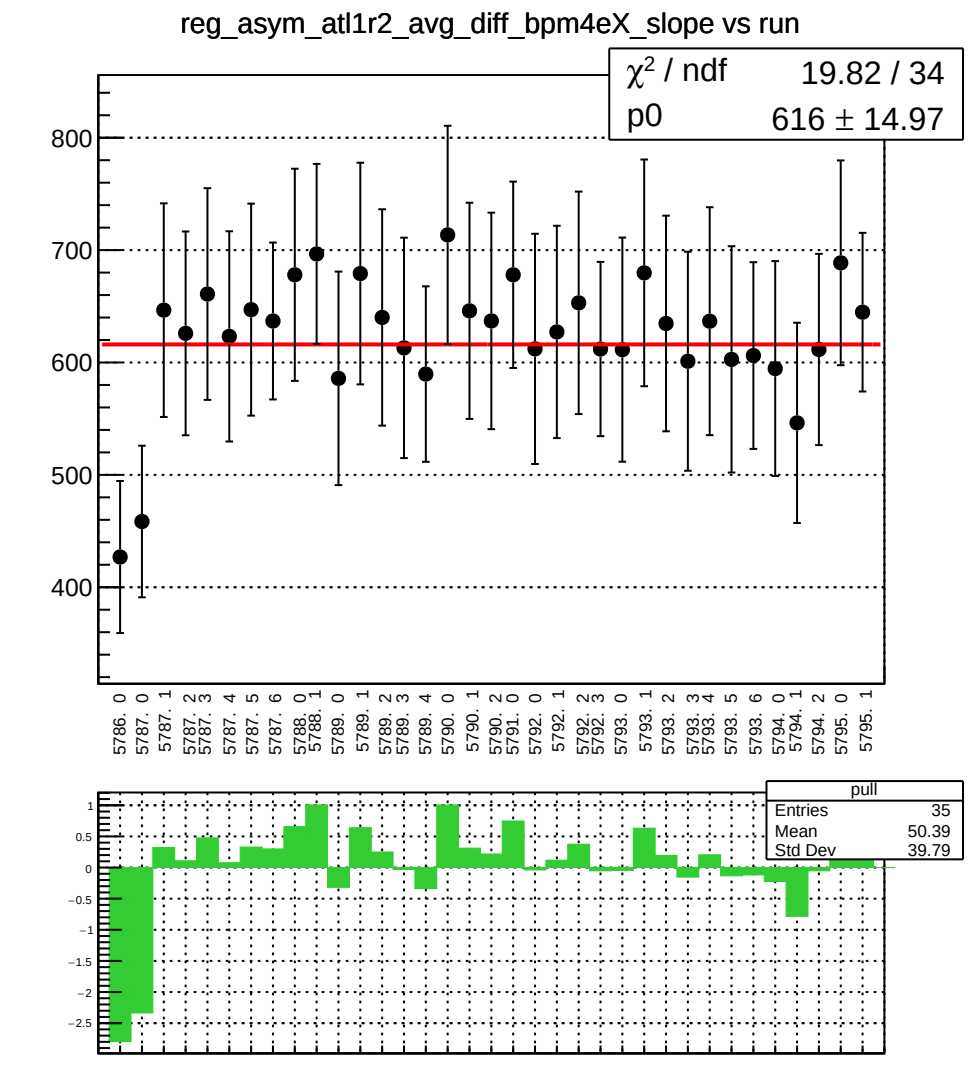

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.55 / 34
p0 8.709 ± 4.352
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 131.2
Std Dev 120.2
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.02619
Std Dev 0.854
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

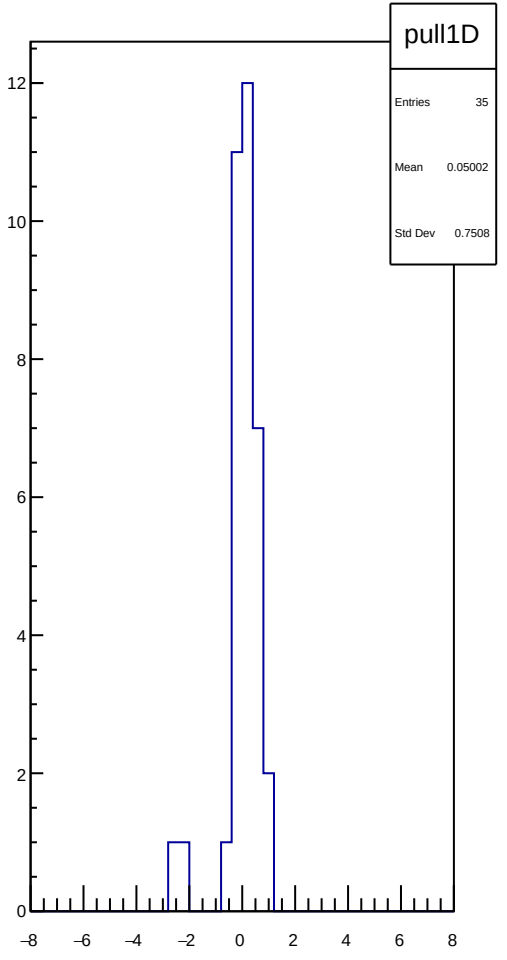

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.52 / 34
p0 −38 ± 0.2907
−30
−32
−34
−36
−38
−40
−42
−44
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −183.9
Std Dev 201.8
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

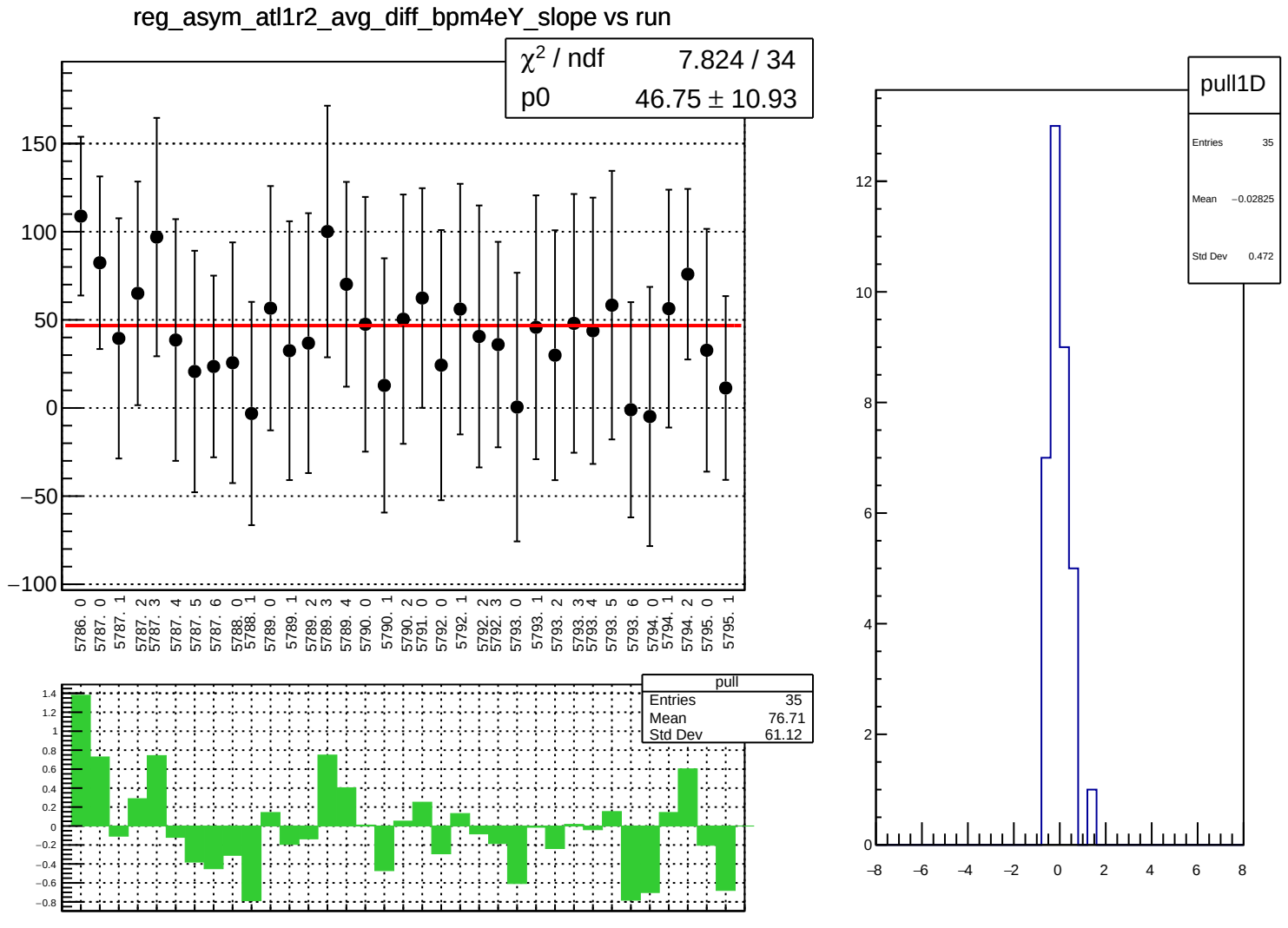

pull1D
Entries 35
Mean 0.0052
Std Dev 0.8022
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

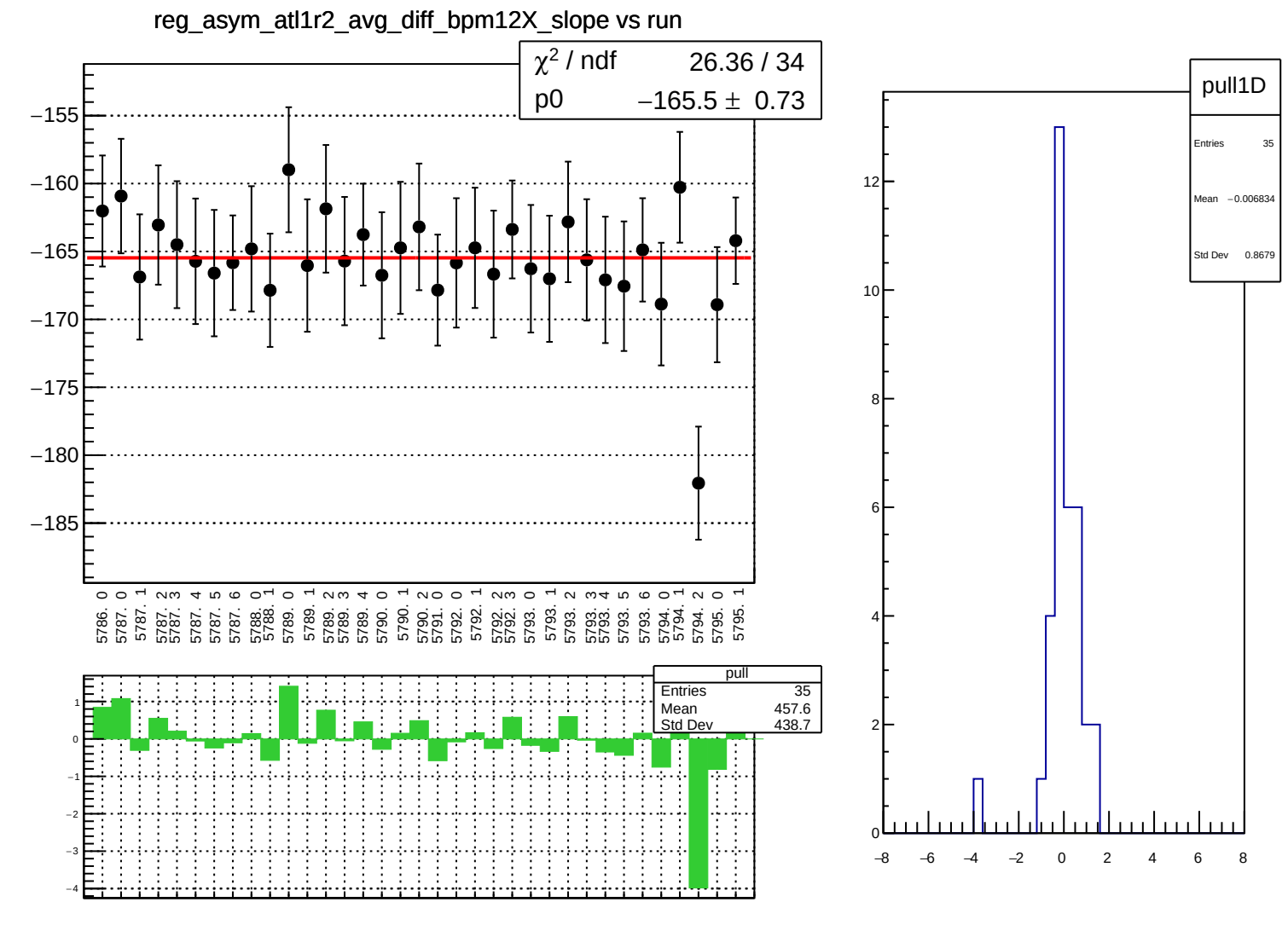

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.32 / 34
p0 −382.2 ± 11.97
−150
−200
−250
−300
−350
−400
−450
−500
−550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 63.31
Std Dev 50.72
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.05192
Std Dev 0.7601
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

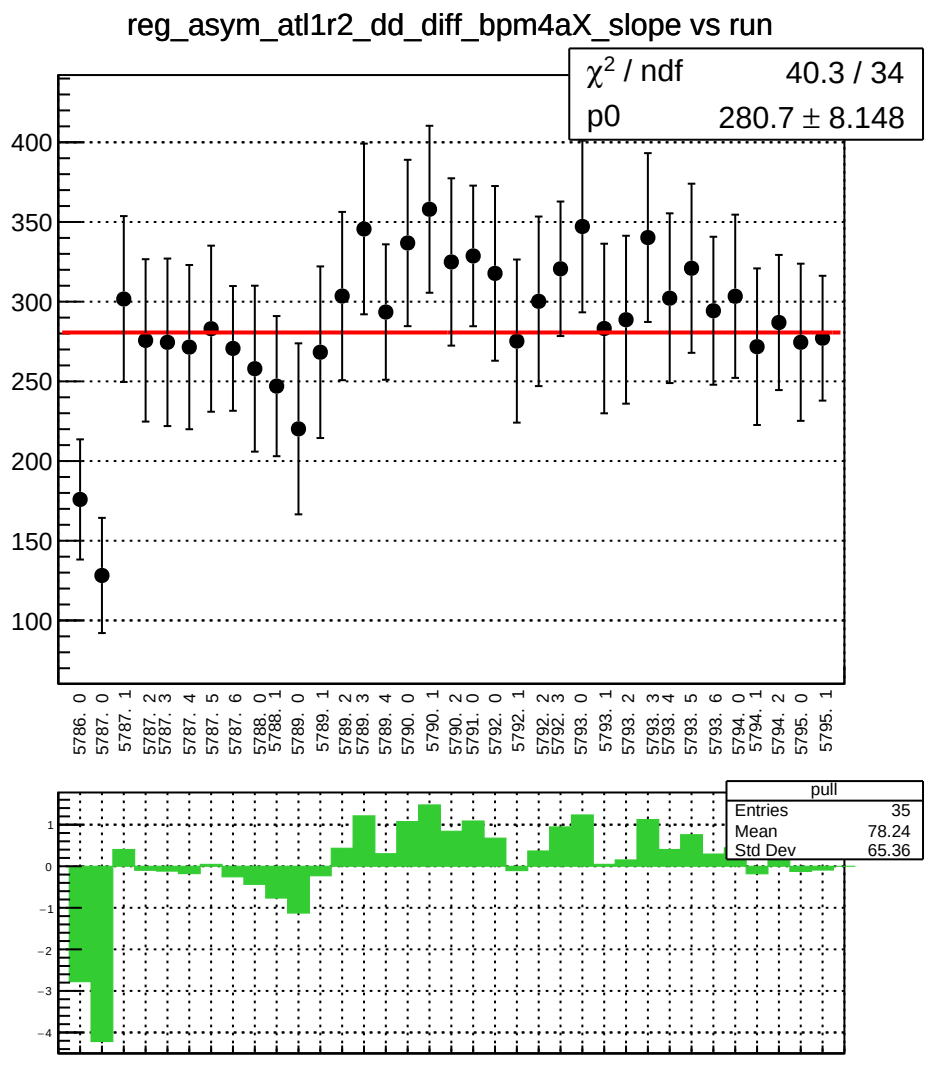

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.794 / 34
p0 17.05 ± 9.951
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 74.13
Std Dev 58.29
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 35
Mean 0.02657
Std Dev 0.4398
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

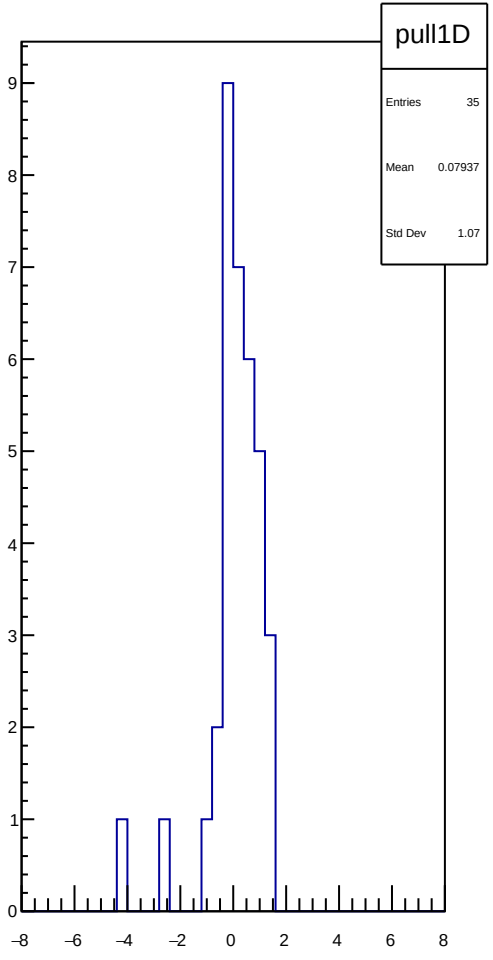

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.82 / 34
p0 616 ± 14.97
800
700
600
500
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 50.39
Std Dev 39.79
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

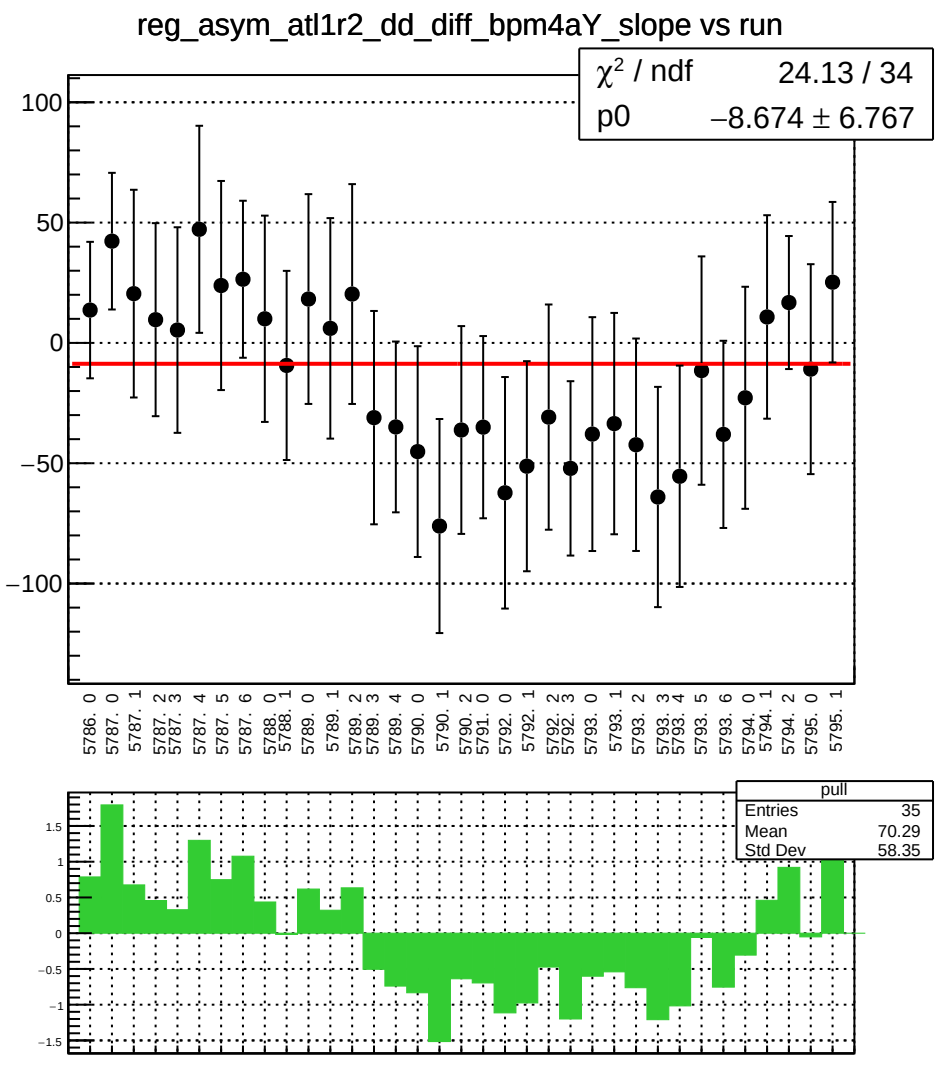

pull1D
Entries 35
Mean 0.05002
Std Dev 0.7508
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

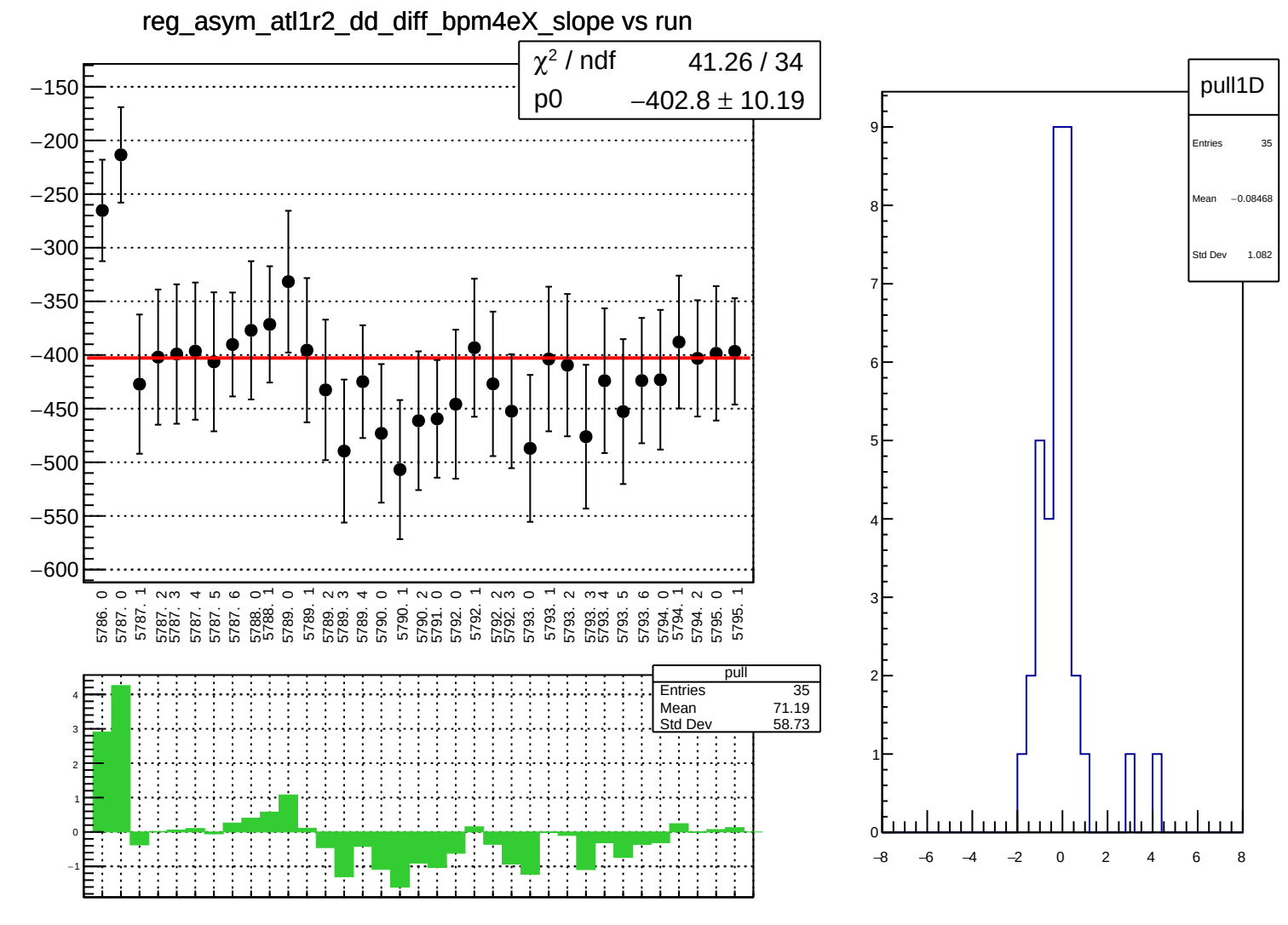

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.824 / 34
p0 46.75 ± 10.93
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 76.71
Std Dev 61.12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 35
Mean −0.02825
Std Dev 0.472
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

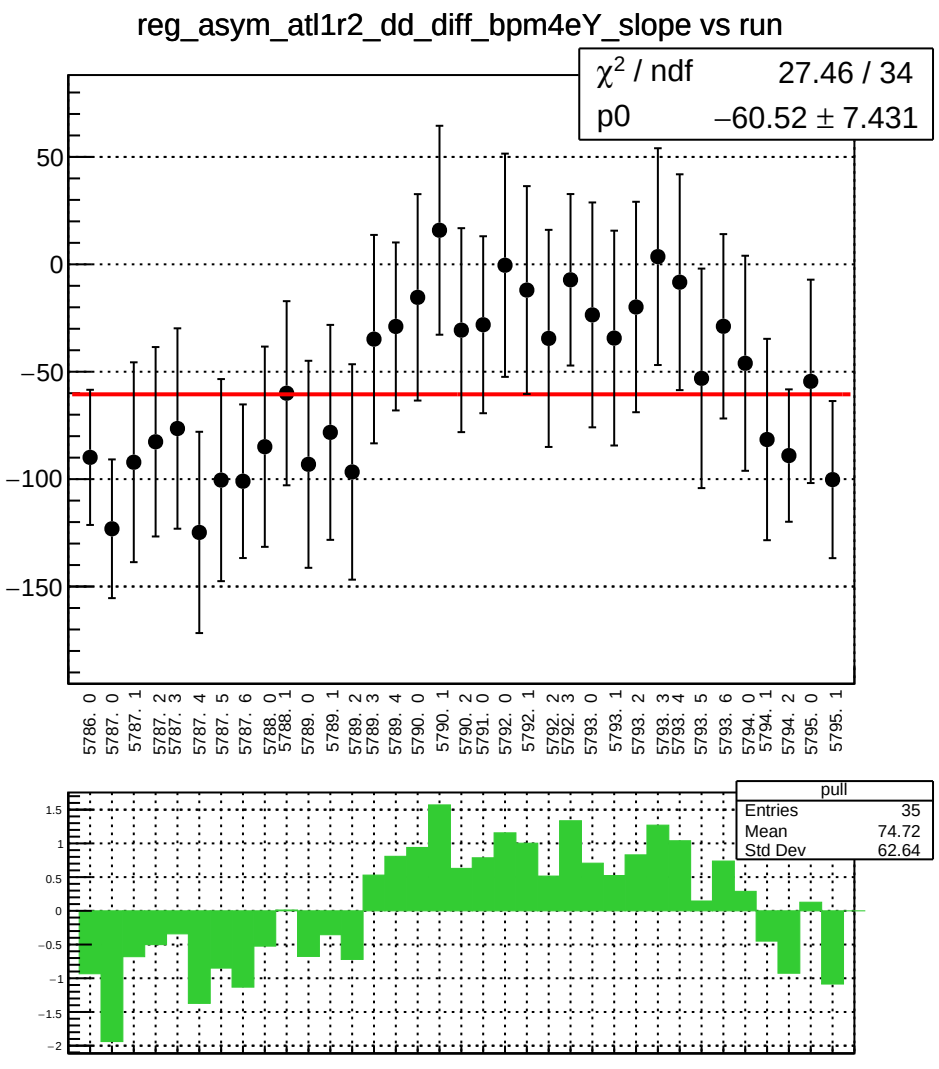

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.36 / 34
p0 −165.5 ± 0.73
−155
−160
−165
−170
−175
−180
−185
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 457.6
Std Dev 438.7
1
0
−1
−2
−3
−4
pull1D
Entries 35
Mean −0.006834
Std Dev 0.8679
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

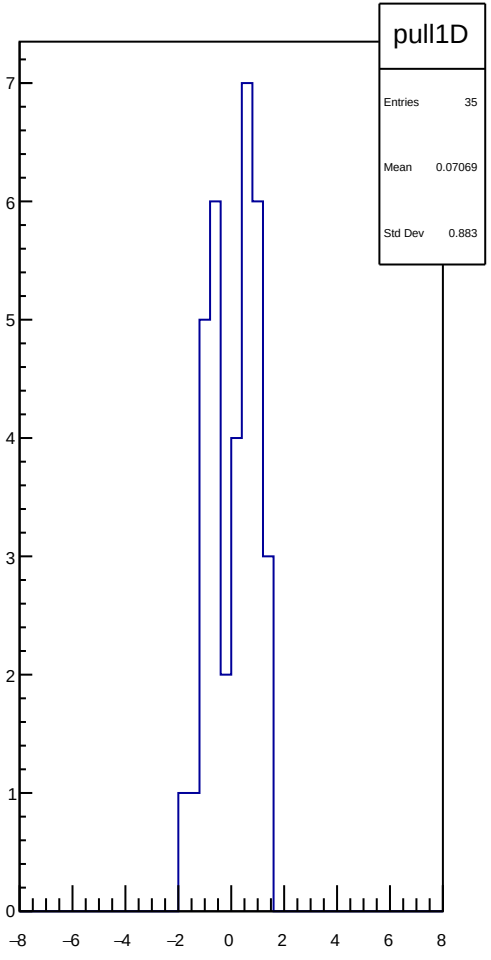

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.3 / 34
p0 280.7 ± 8.148
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 78.24
Std Dev 65.36
1
0
−1
−2
−3
−4

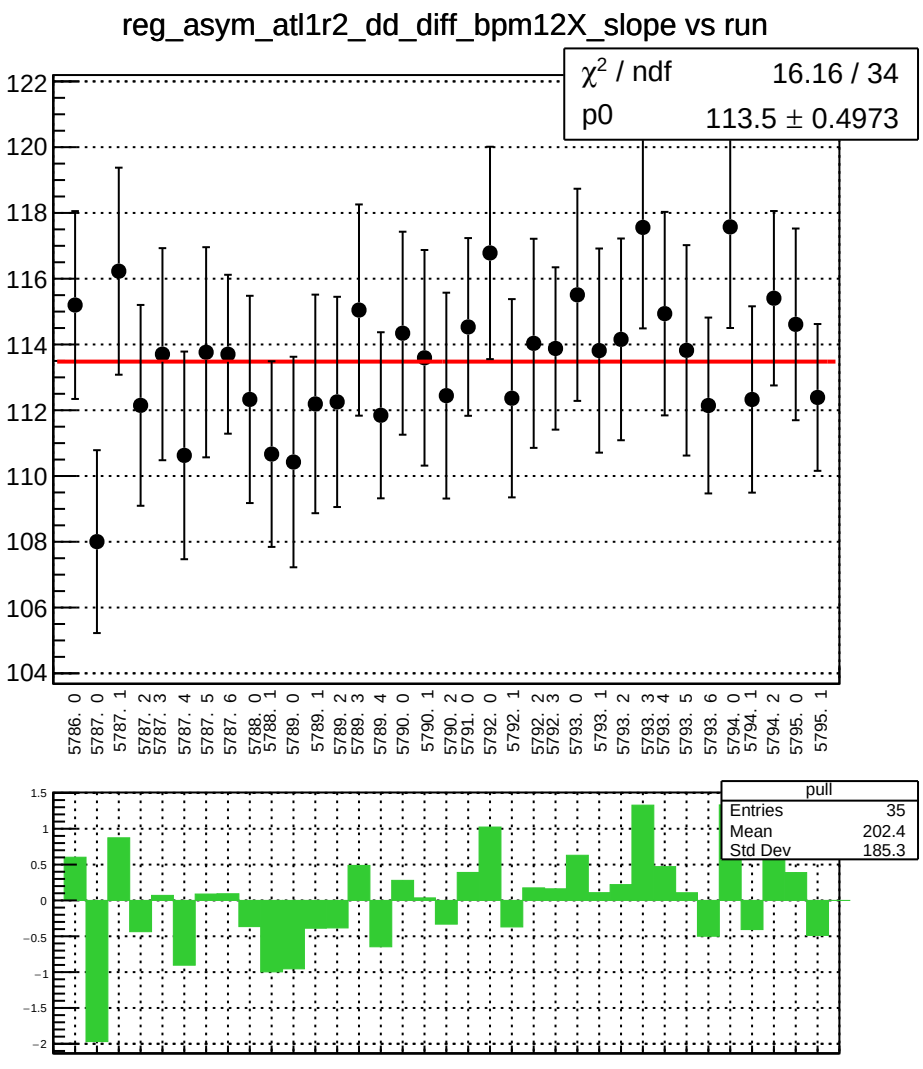

pull1D
Entries 35
Mean 0.07937
Std Dev 1.07
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

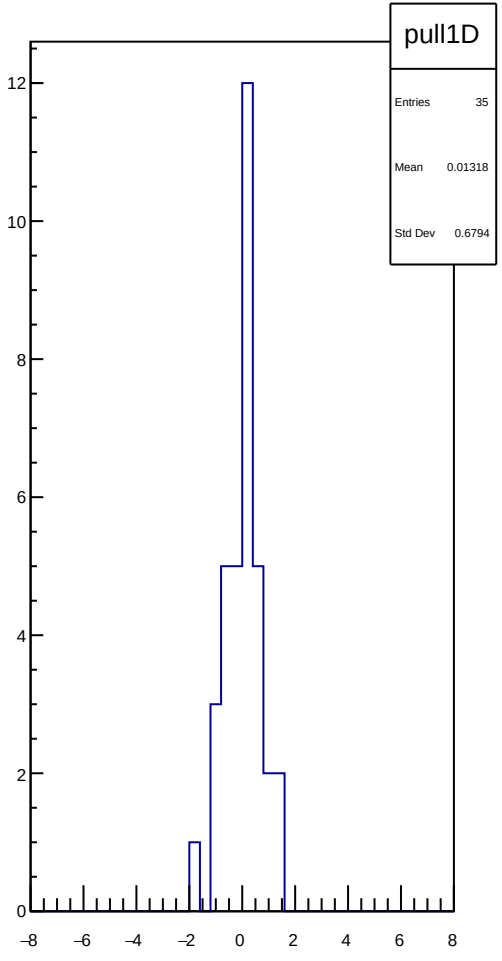

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.13 / 34
p0 −8.674 ± 6.767
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.29
Std Dev 58.35
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.06955
Std Dev 0.8274
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

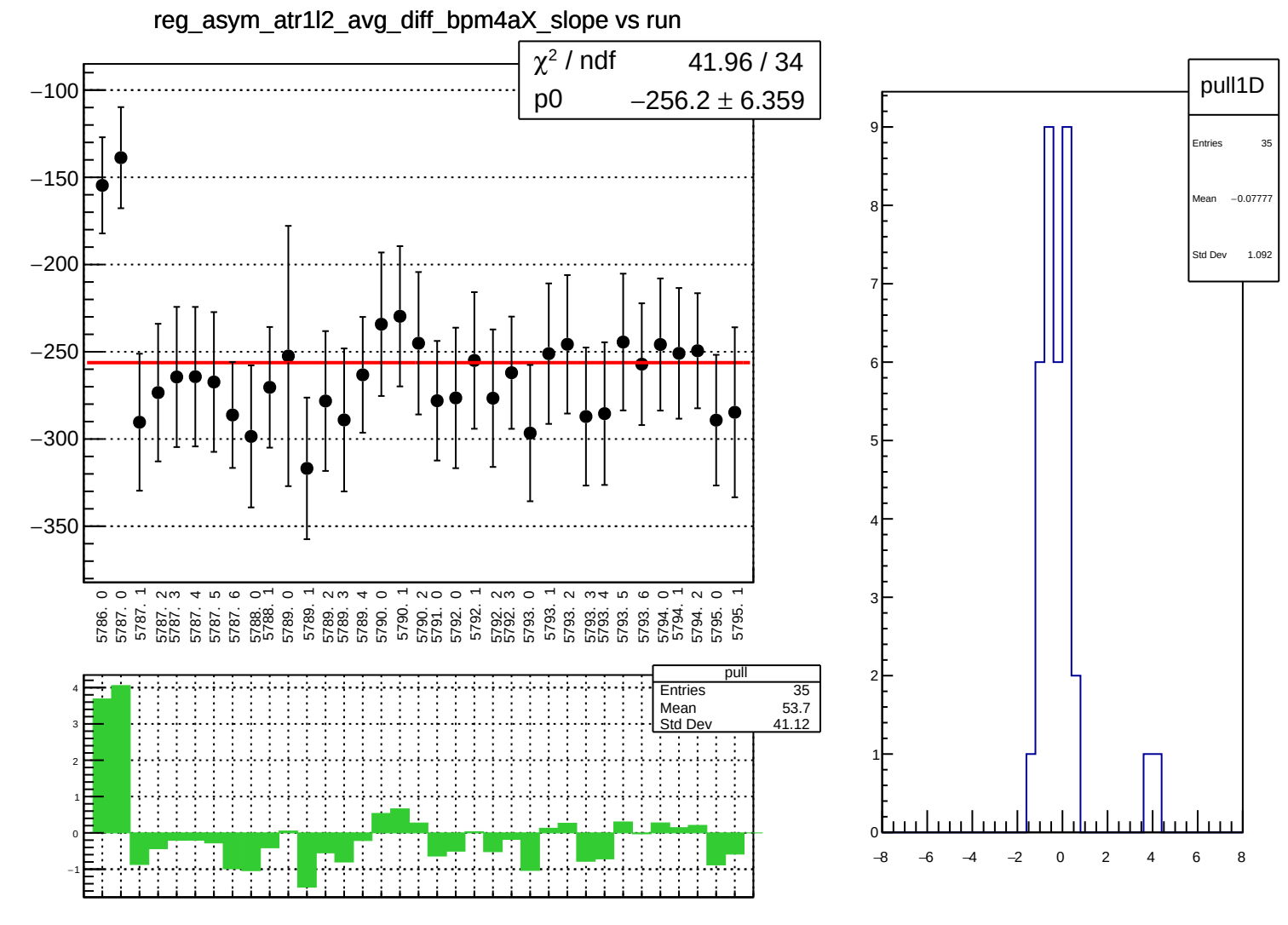

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.26 / 34
p0 −402.8 ± 10.19
pull
Entries 35
Mean 71.19
Std Dev 58.73
pull1D
Entries 35
Mean −0.08468
Std Dev 1.082

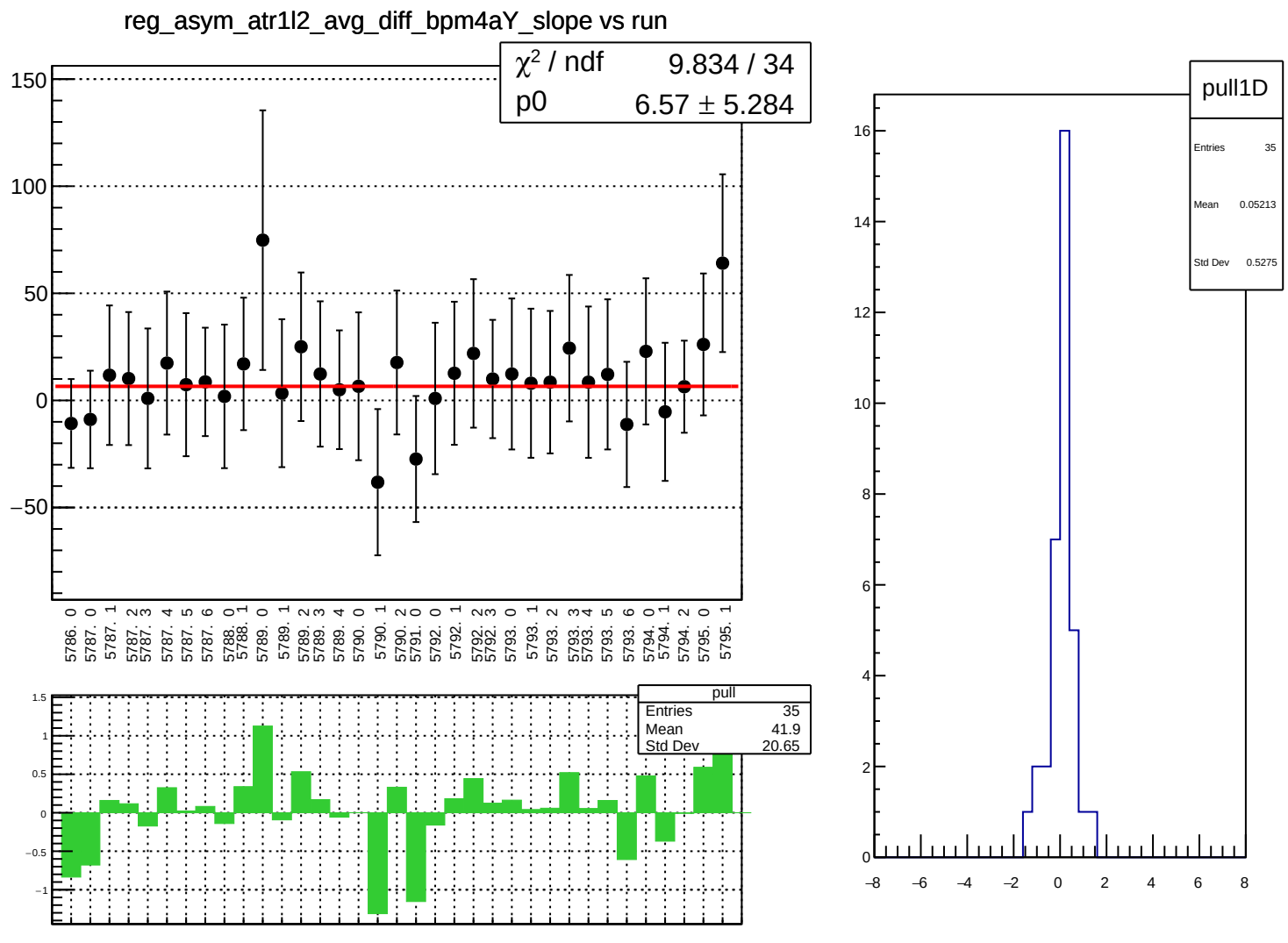

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.46 / 34
p0 −60.52 ± 7.431
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 74.72
Std Dev 62.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2

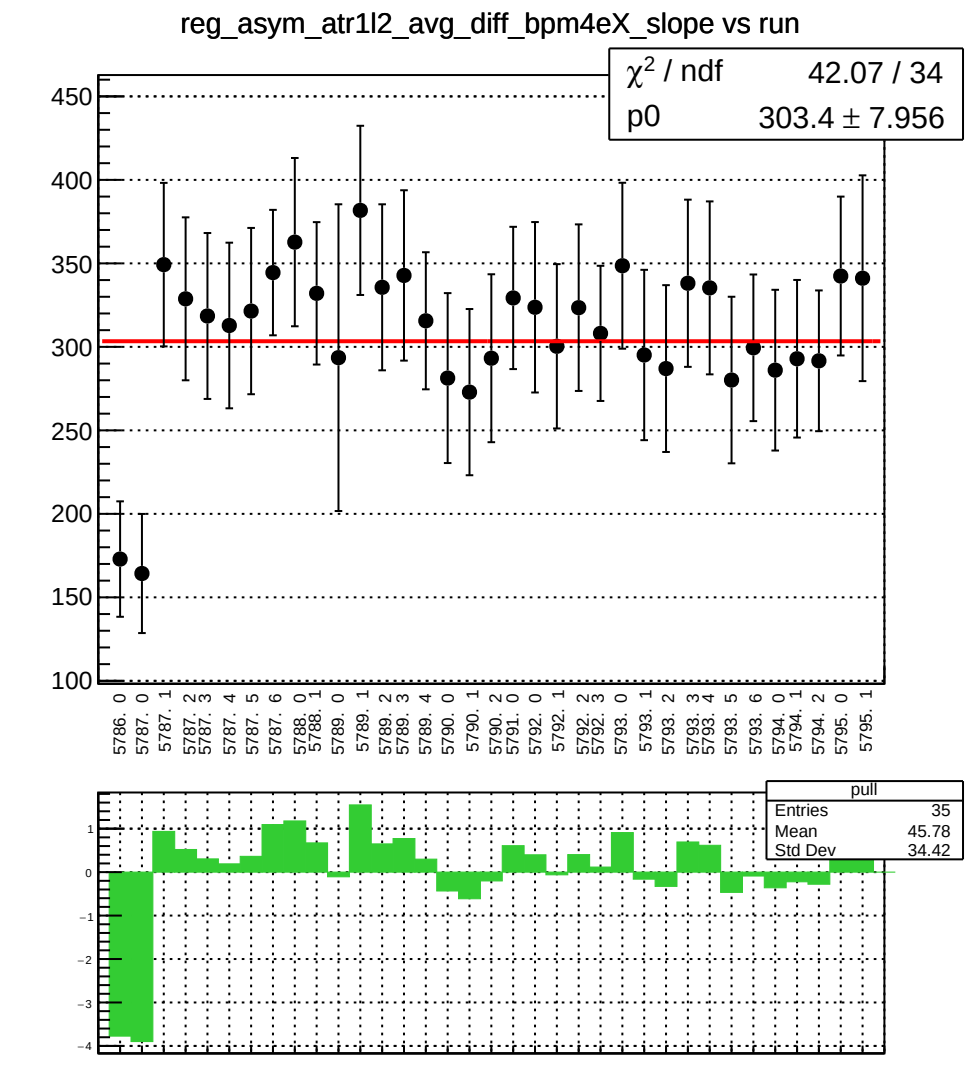

pull1D
Entries 35
Mean 0.07069
Std Dev 0.883
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

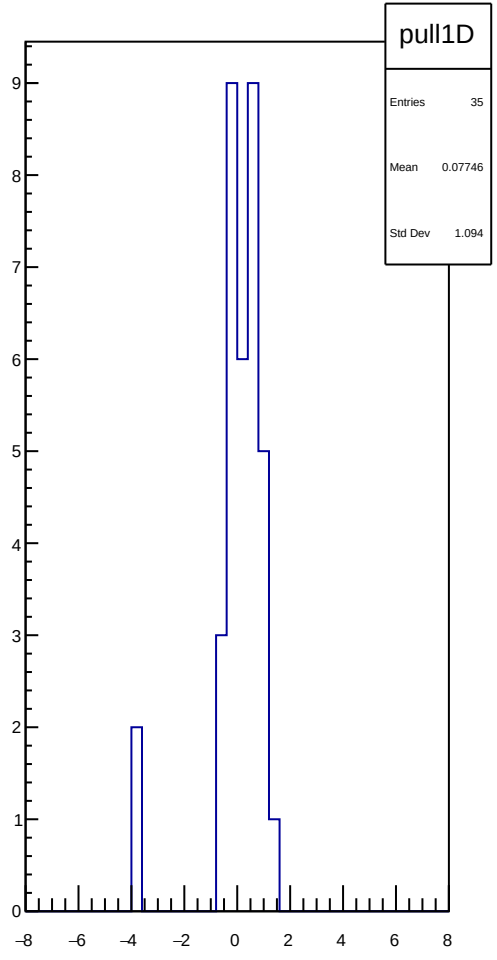

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.16 / 34
p0 113.5 ± 0.4973
pull
Entries 35
Mean 202.4
Std Dev 185.3

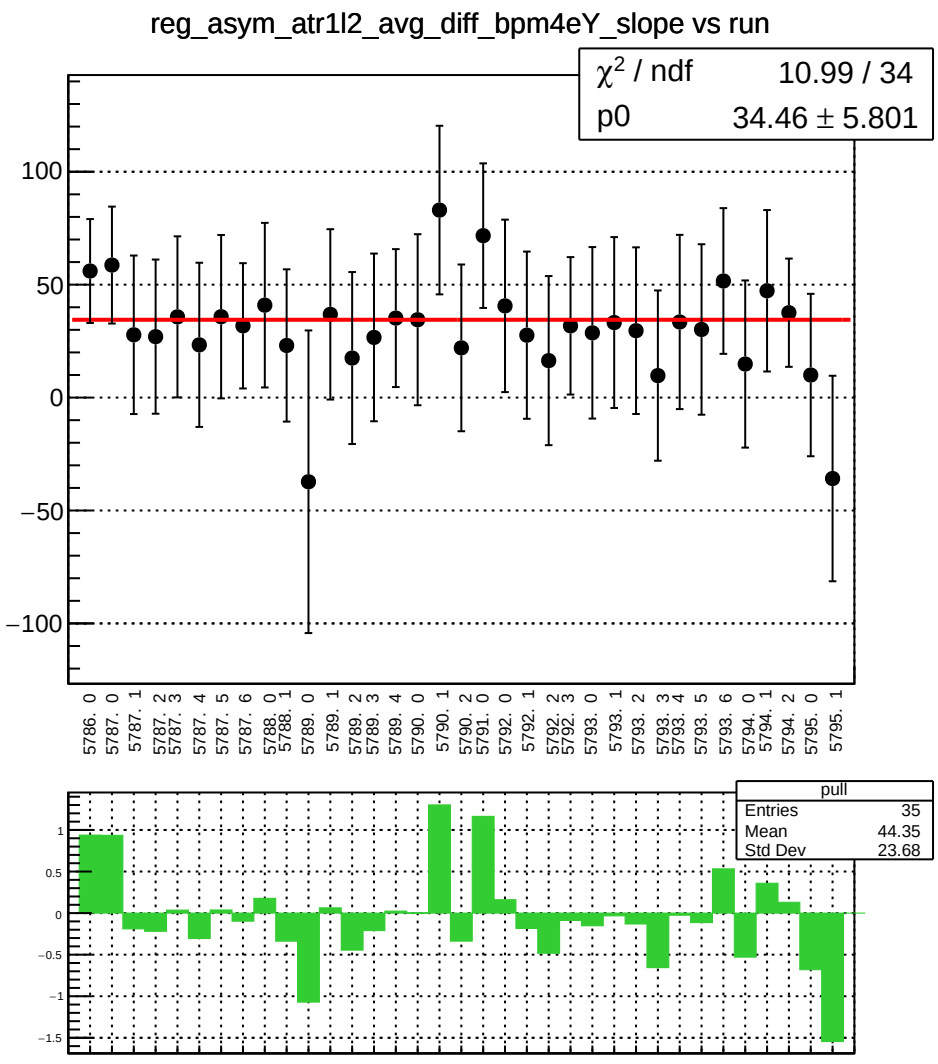

pull1D
Entries 35
Mean 0.01318
Std Dev 0.6794

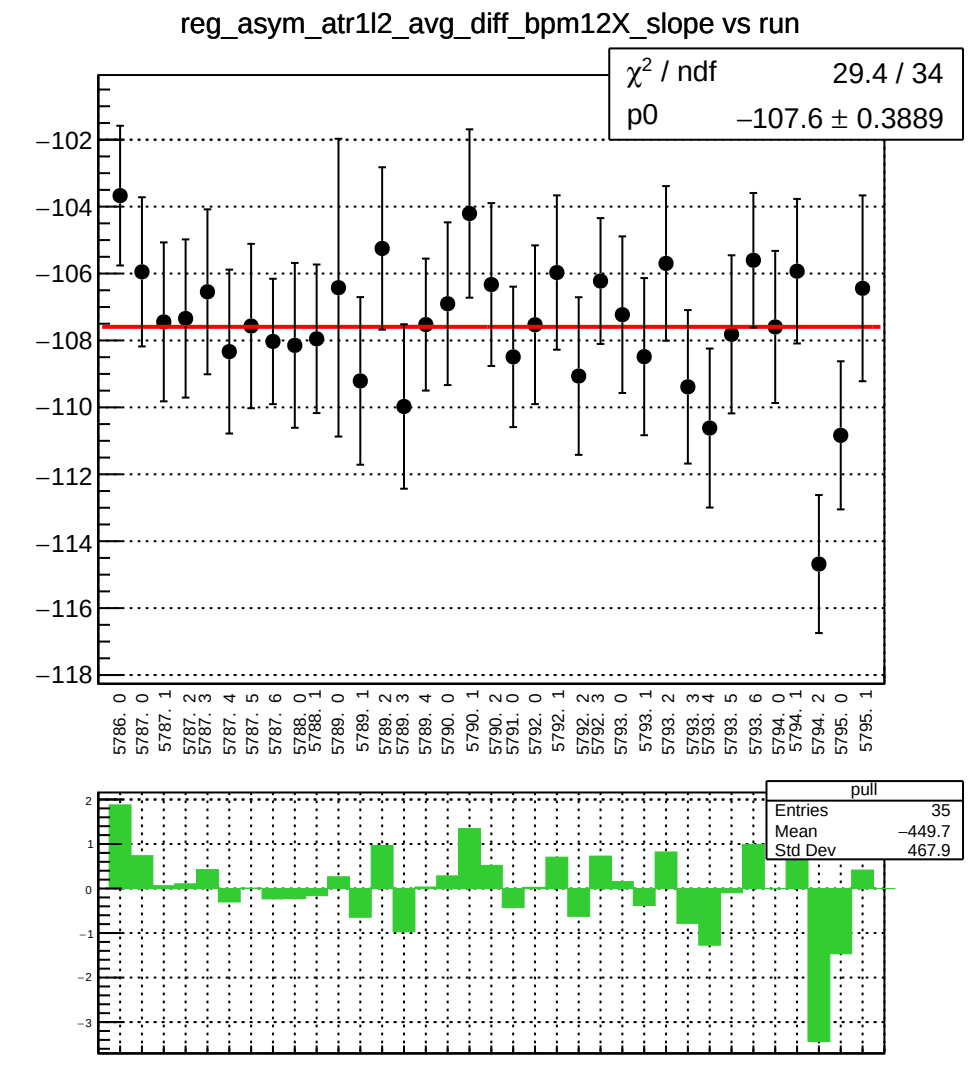

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 41.96 / 34
p0 −256.2 ± 6.359
−100
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 53.7
Std Dev 41.12
pull1D
Entries 35
Mean −0.07777
Std Dev 1.092

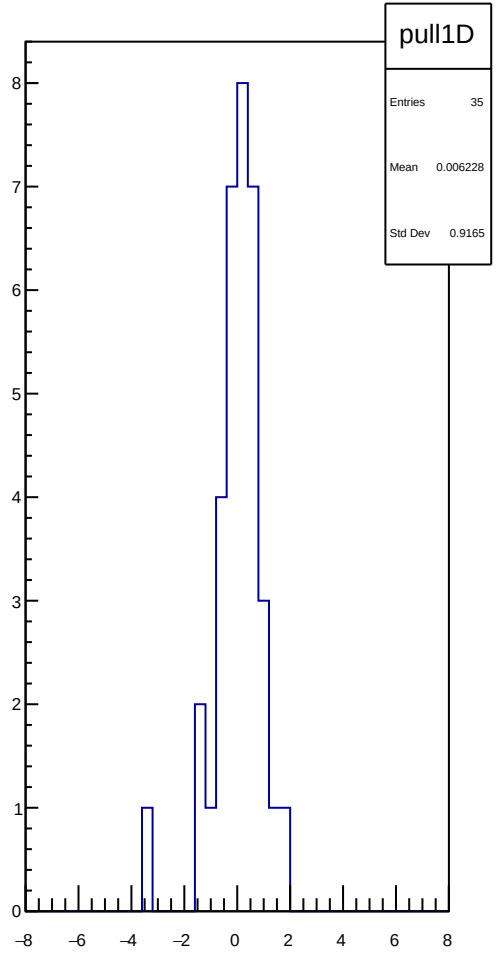

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.834 / 34
p0 6.57 ± 5.284
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 41.9
Std Dev 20.65
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.05213
Std Dev 0.5275
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

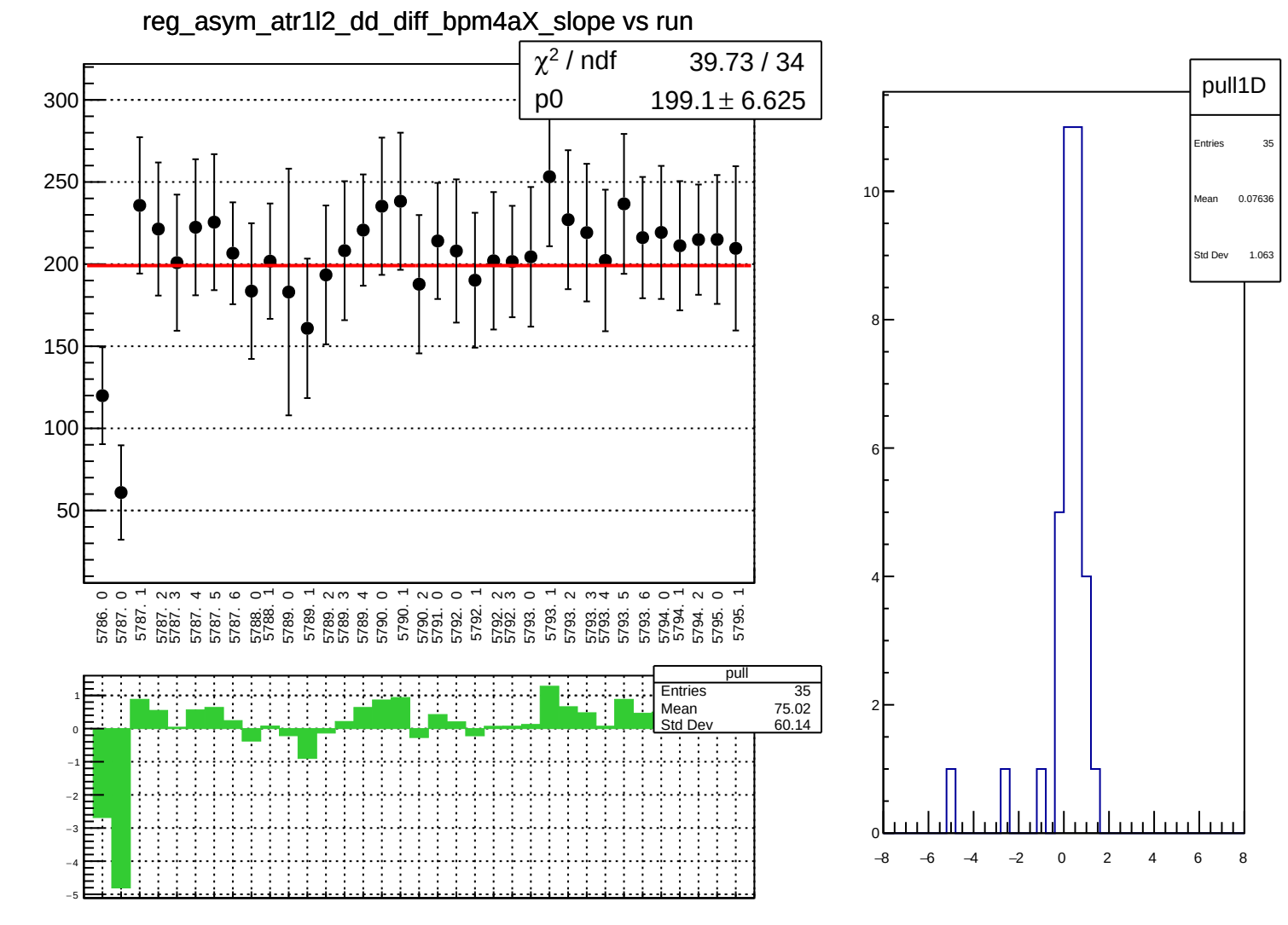

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.07 / 34
p0 303.4 ± 7.956
pull
Entries 35
Mean 45.78
Std Dev 34.42

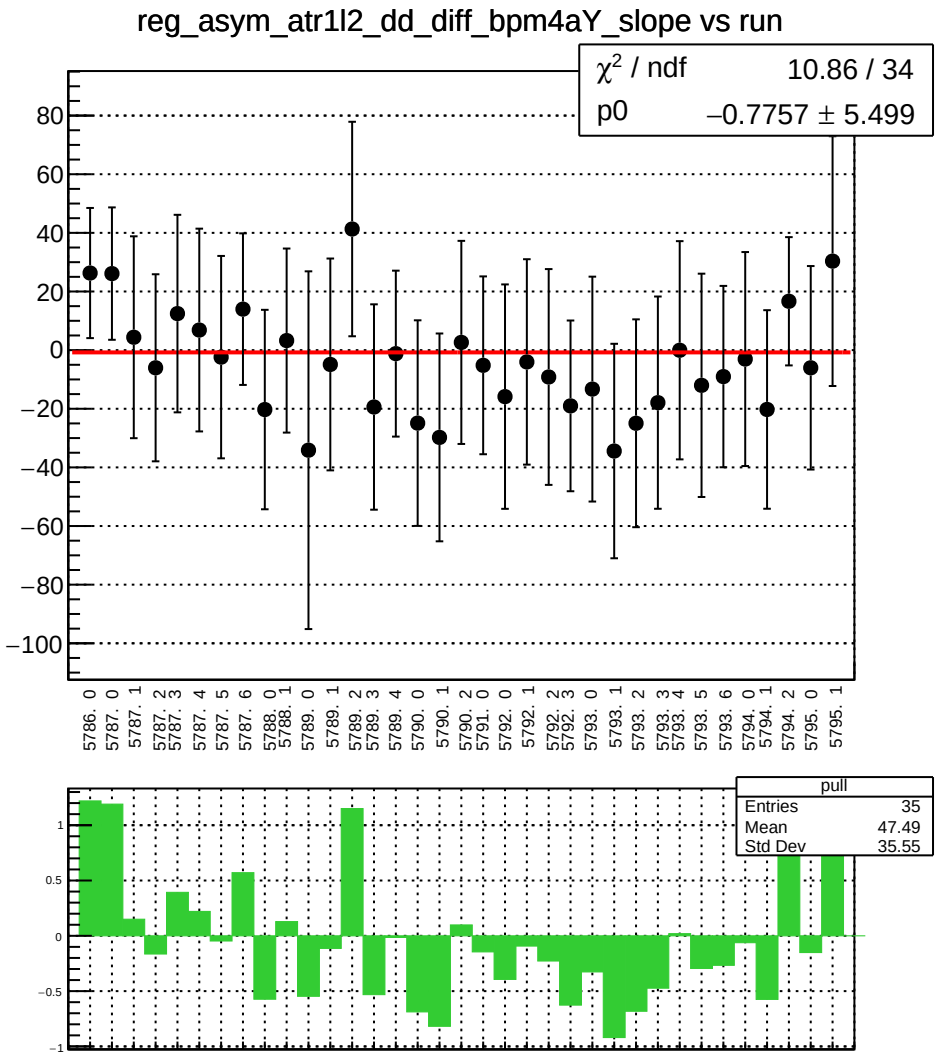

pull1D
Entries 35
Mean 0.07746
Std Dev 1.094

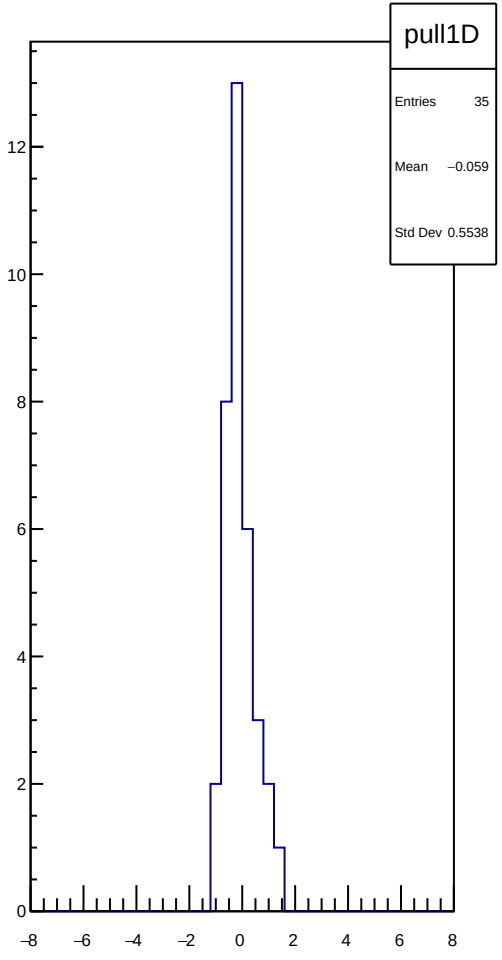

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.99 / 34
p0 34.46 ± 5.801
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 44.35
Std Dev 23.68
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean −0.05645
Std Dev 0.5575
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

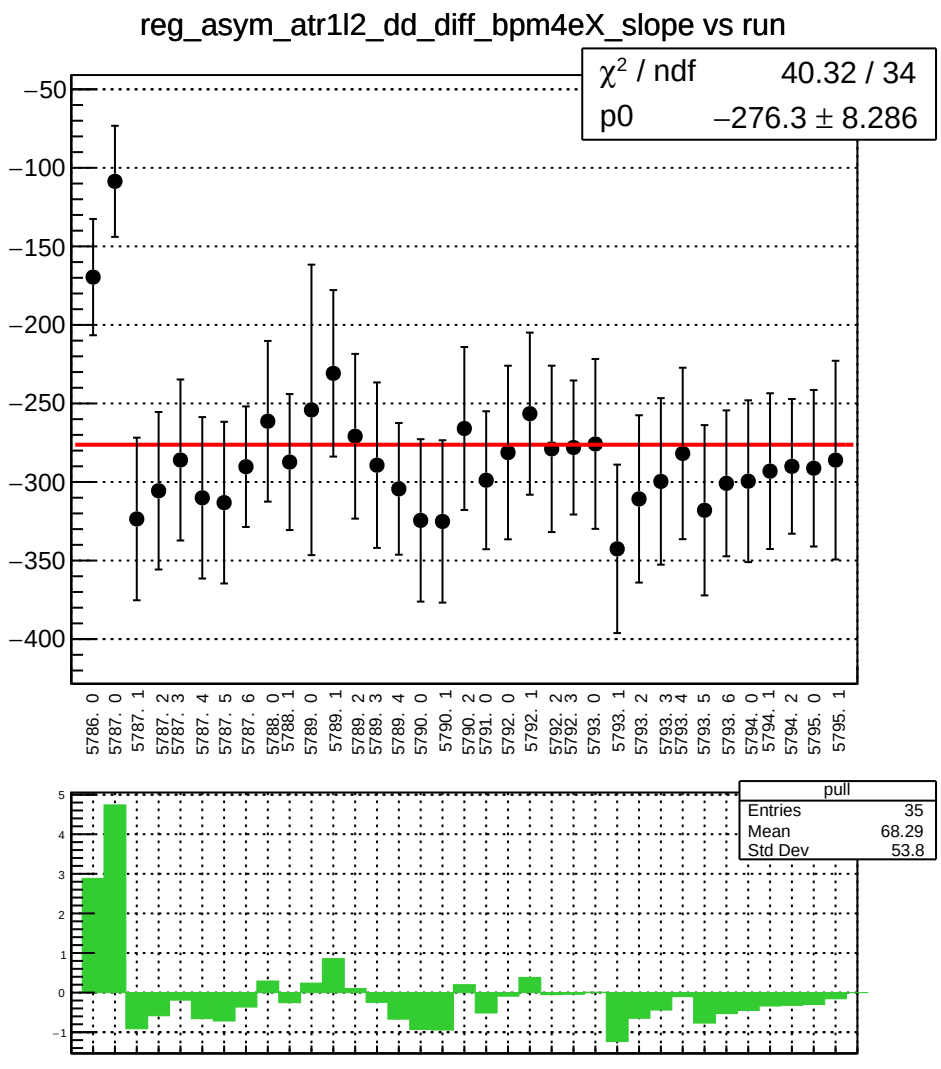

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.4 / 34
p0 −107.6 ± 0.3889
pull
Entries 35
Mean −449.7
Std Dev 467.9

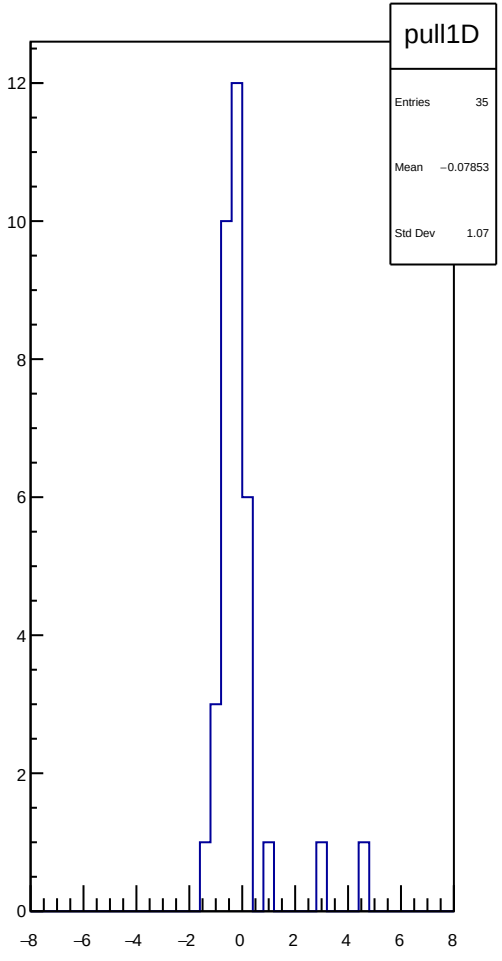

pull1D
Entries 35
Mean 0.006228
Std Dev 0.9165

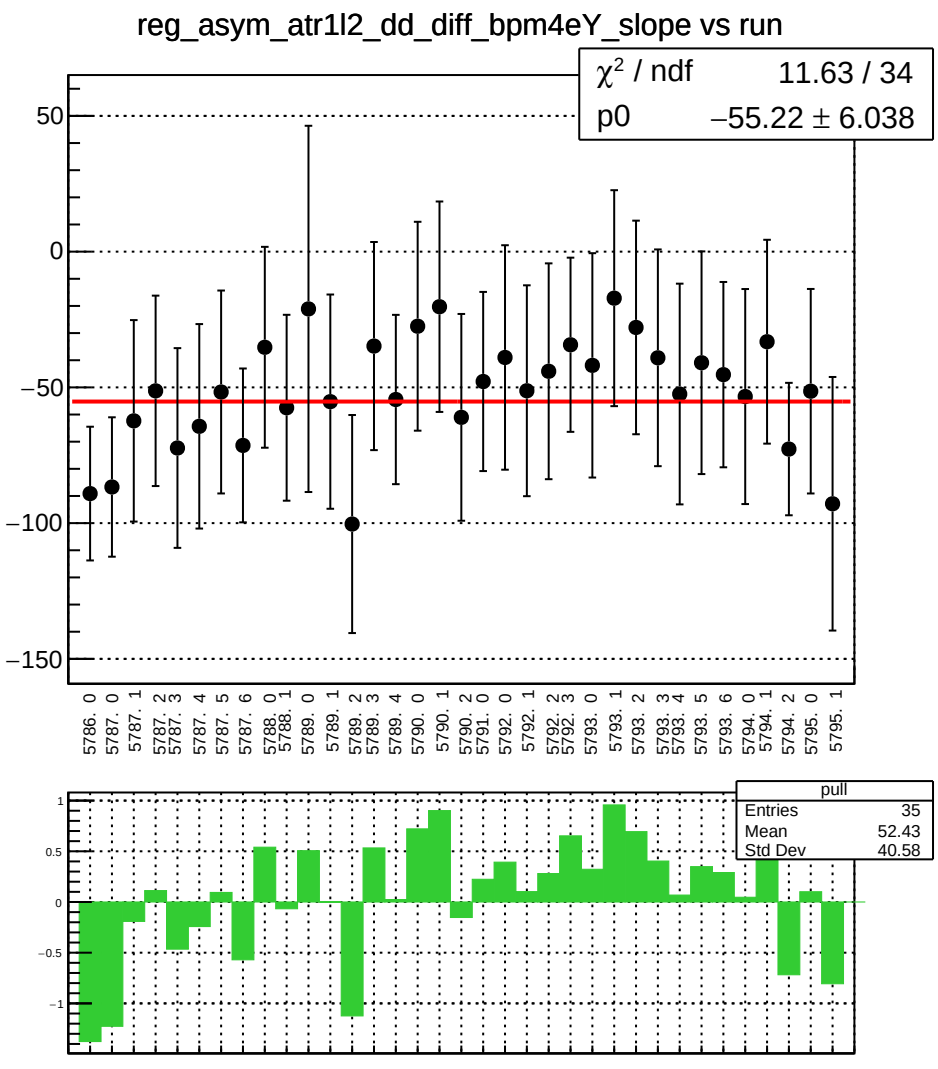

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ2 / ndf 39.73 / 34
p0 199.1 ± 6.625
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 75.02
Std Dev 60.14
1
0
−1
−2
−3
−4
−5
pull1D
Entries 35
Mean 0.07636
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

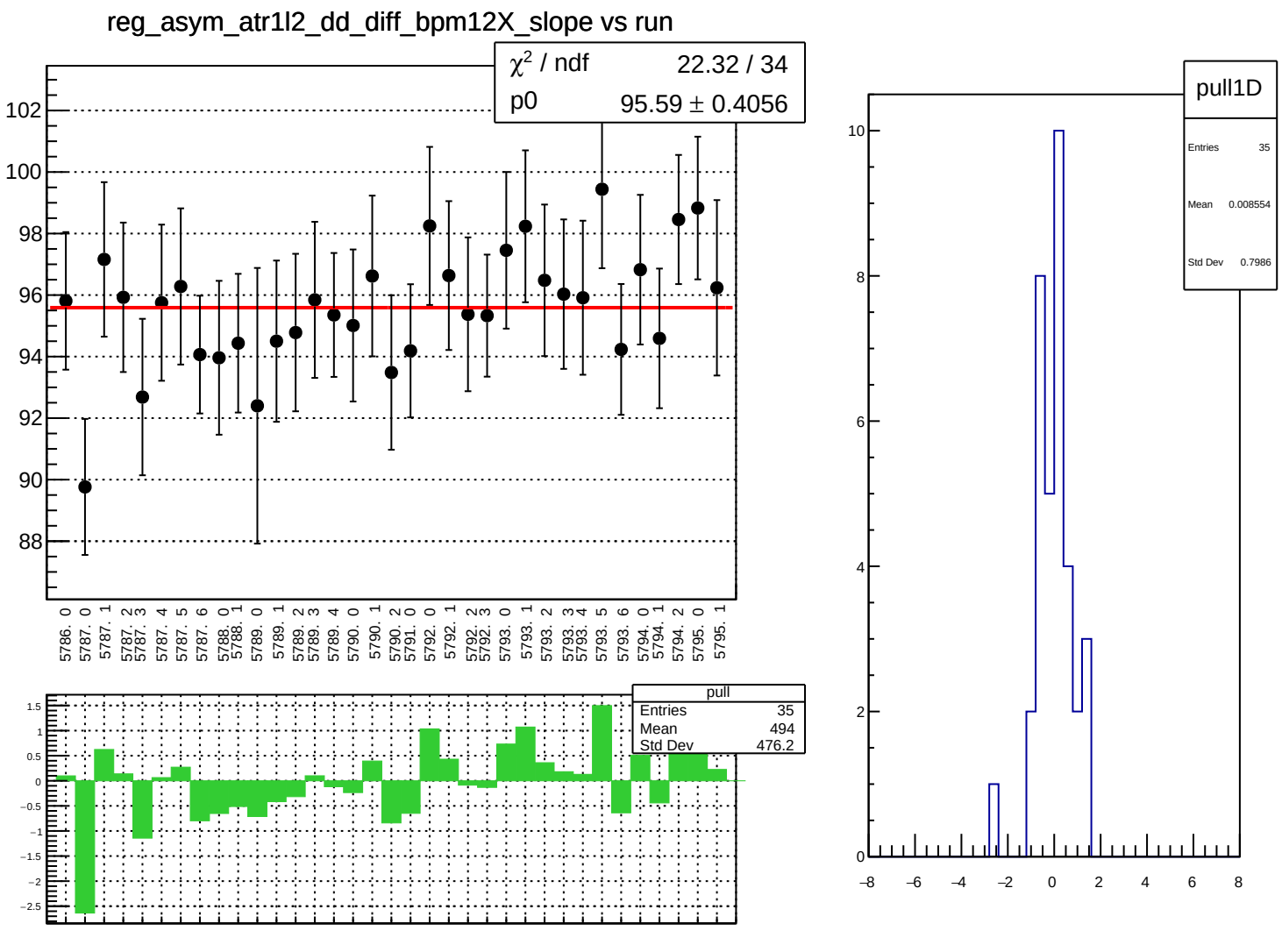

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 34
p0 −0.7757 ± 5.499
pull
Entries 35
Mean 47.49
Std Dev 35.55

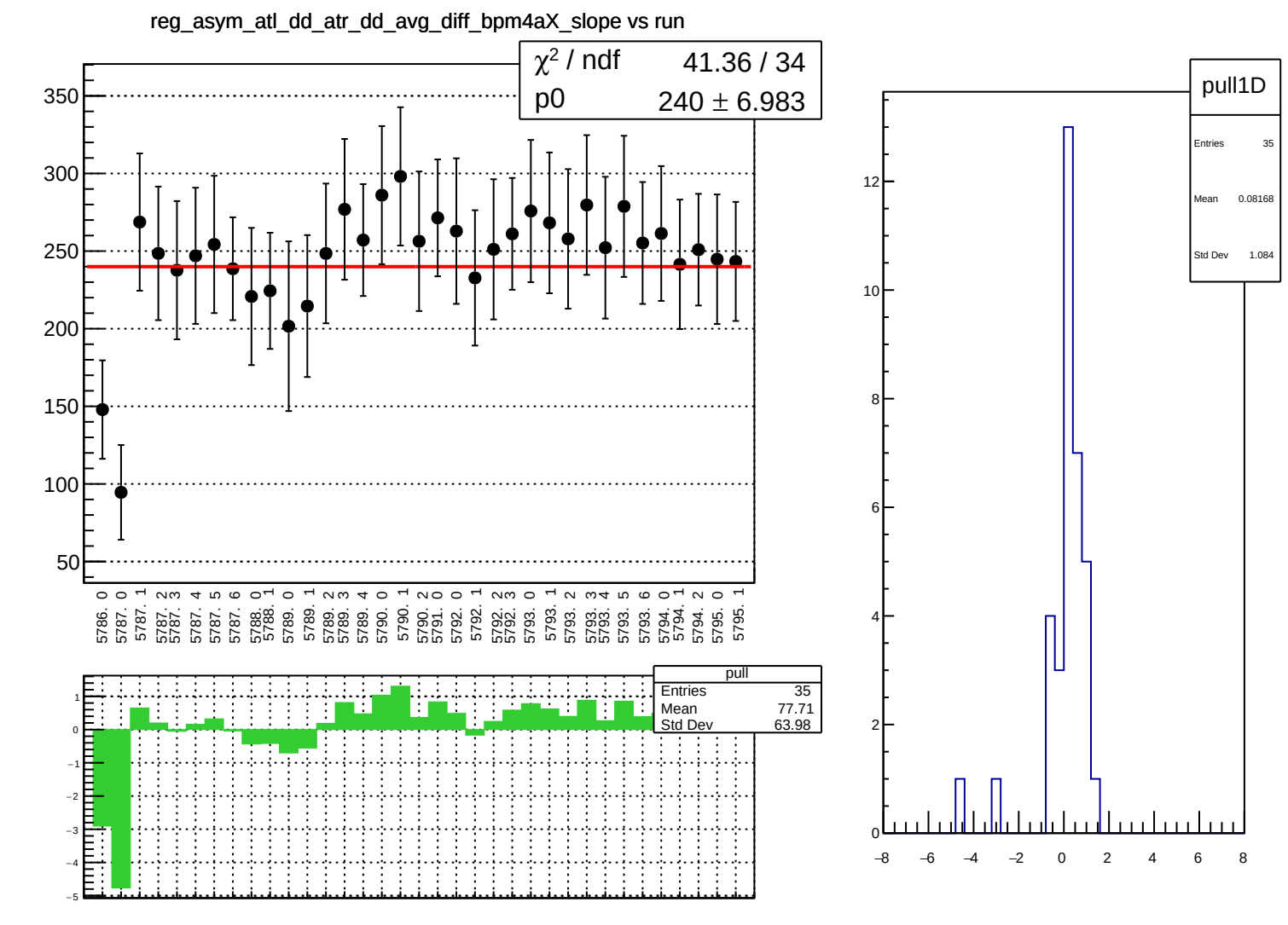

pull1D
Entries 35
Mean −0.059
Std Dev 0.5538

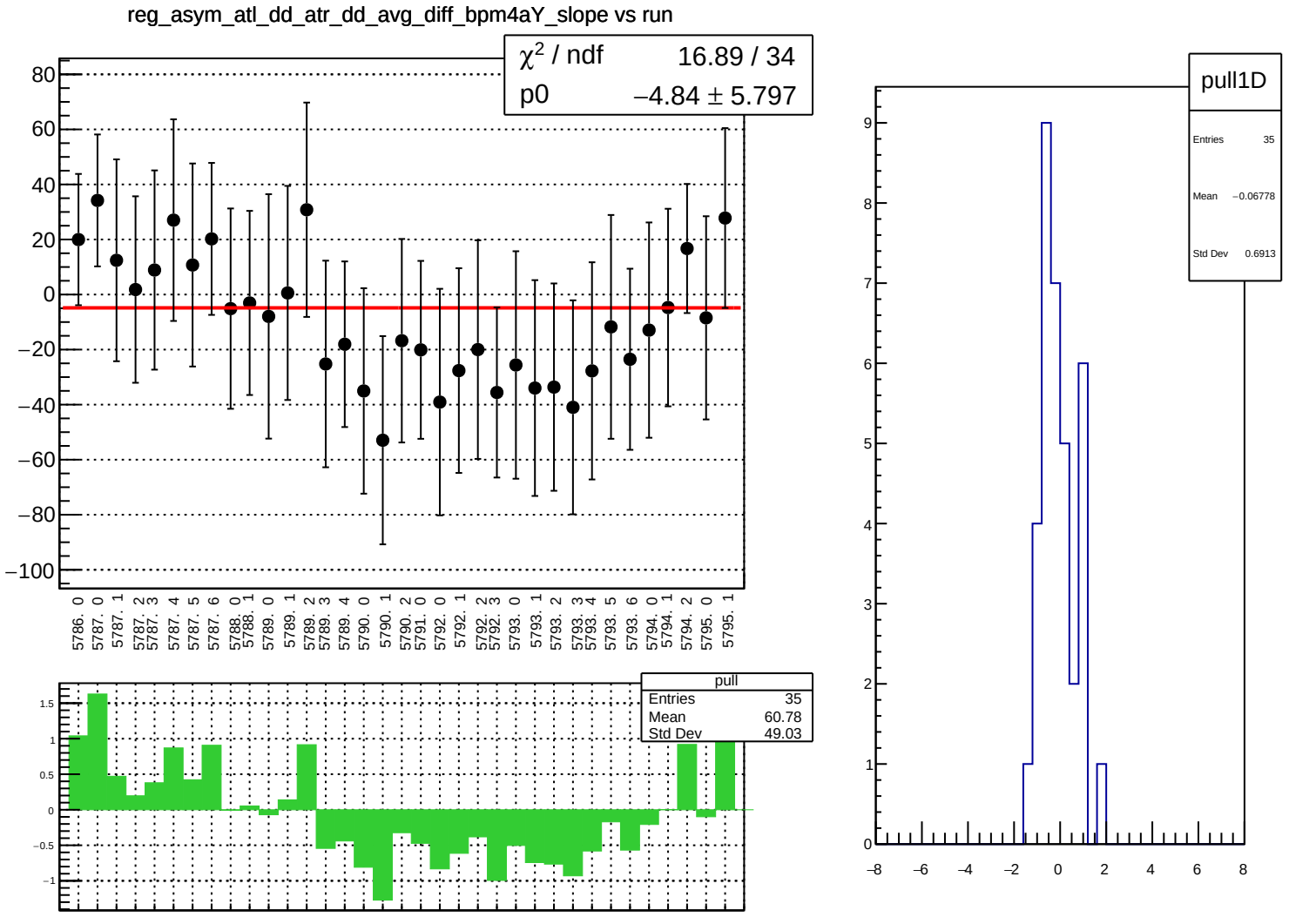

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.32 / 34
p0 −276.3 ± 8.286
pull
Entries 35
Mean 68.29
Std Dev 53.8

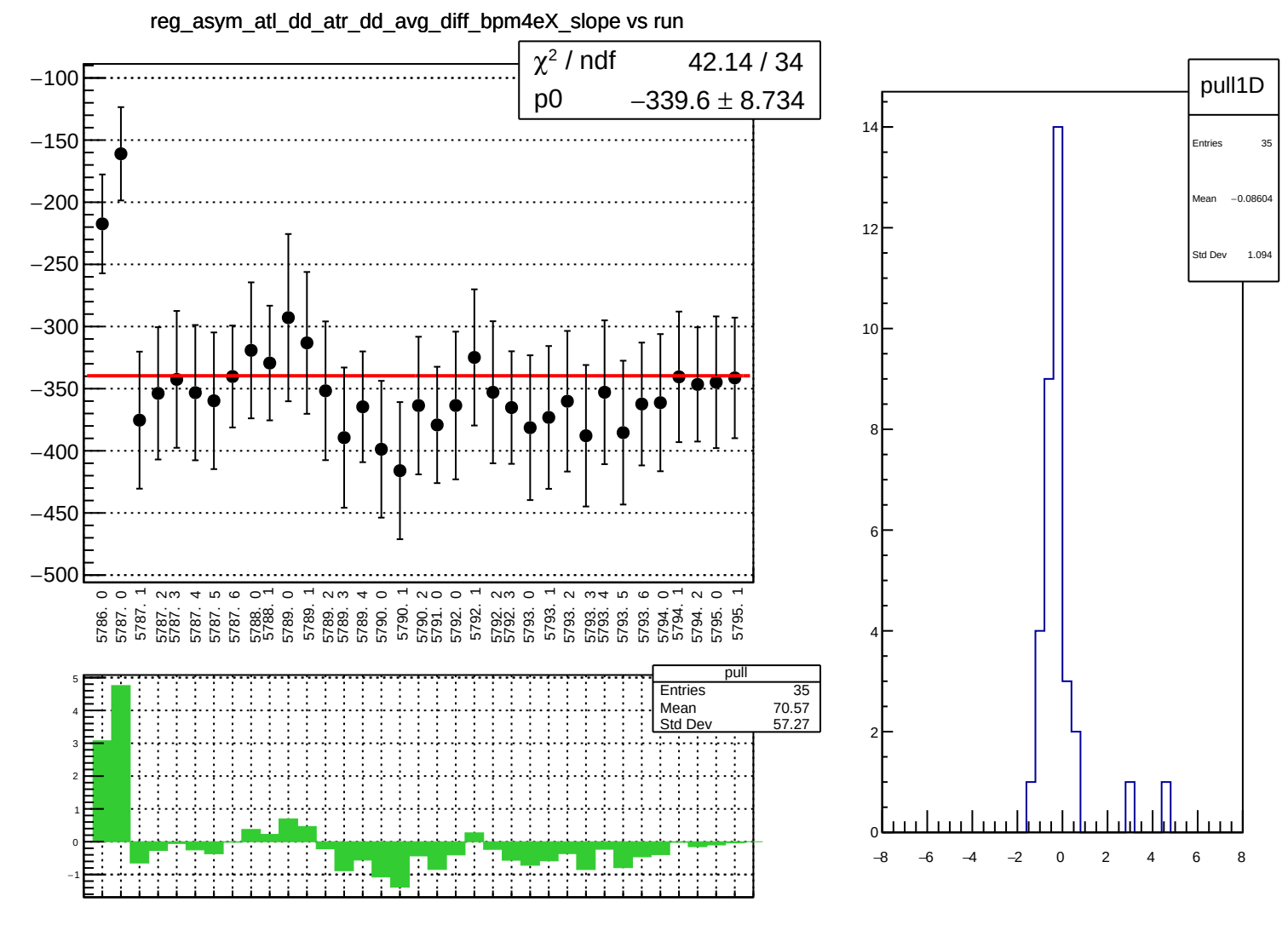

pull1D
Entries 35
Mean −0.07853
Std Dev 1.07

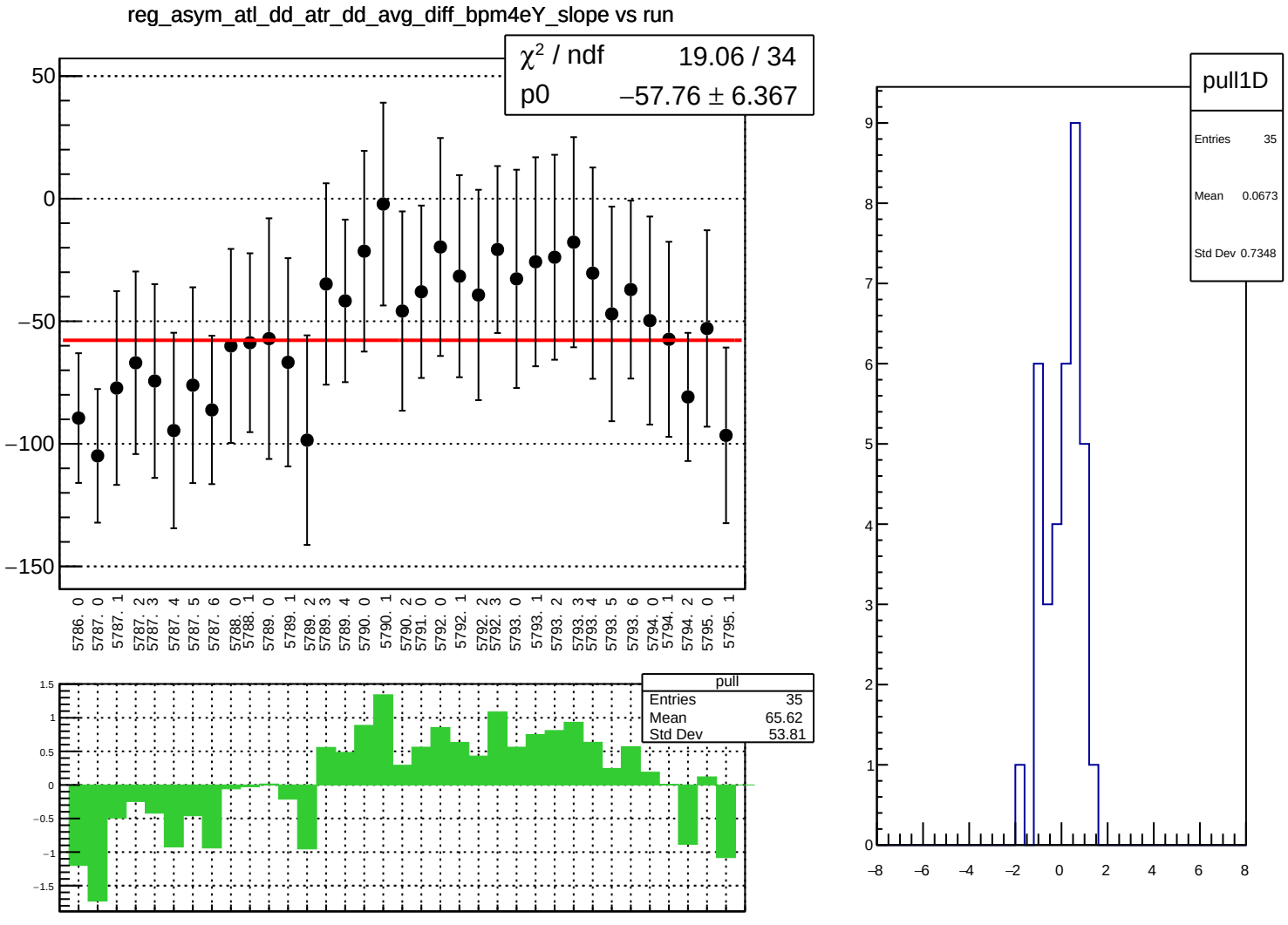

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.63 / 34
p0 −55.22 ± 6.038
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 52.43
Std Dev 40.58
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.05614
Std Dev 0.5736
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

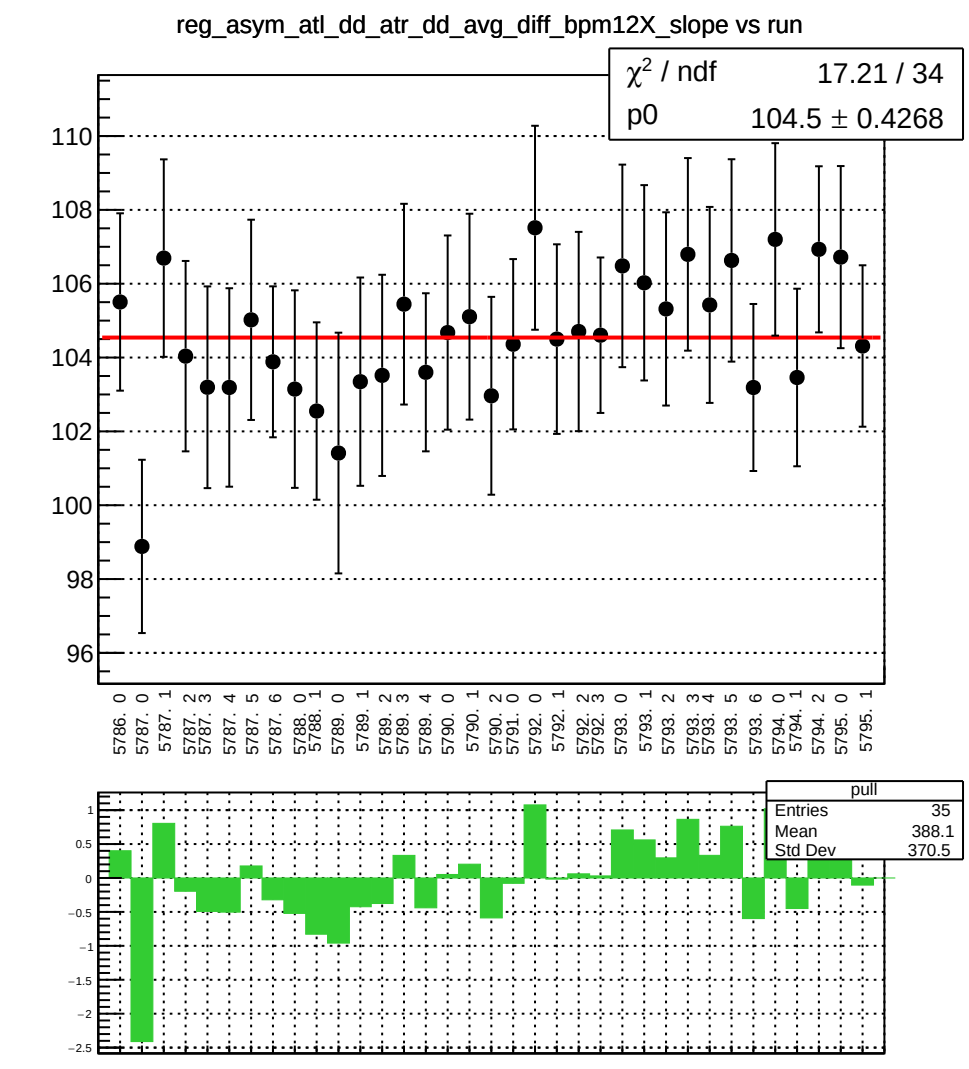

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.32 / 34
p0 95.59 ± 0.4056
102
100
98
96
94
92
90
88
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 494
Std Dev 476.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 35
Mean 0.008554
Std Dev 0.7986
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

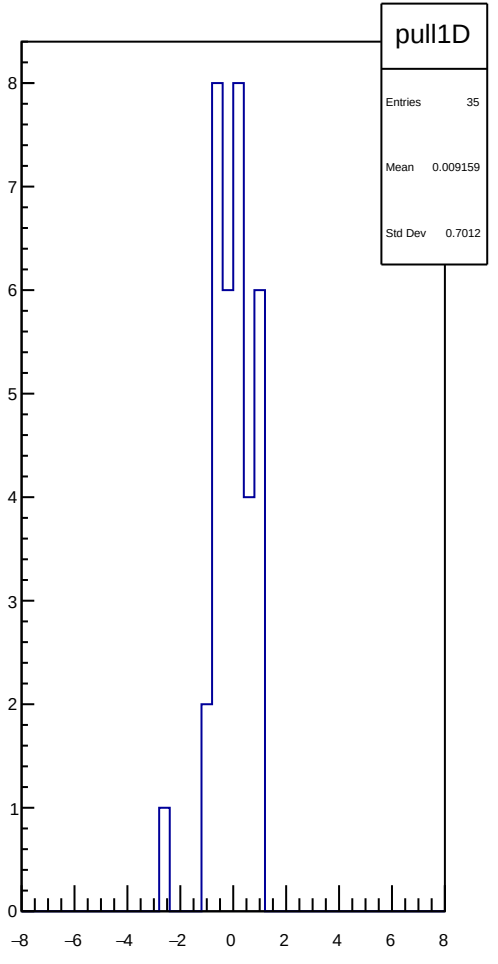

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 41.36 / 34
p0 240 ± 6.983
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 77.71
Std Dev 63.98
1
0
−1
−2
−3
−4
−5
pull1D
Entries 35
Mean 0.08168
Std Dev 1.084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

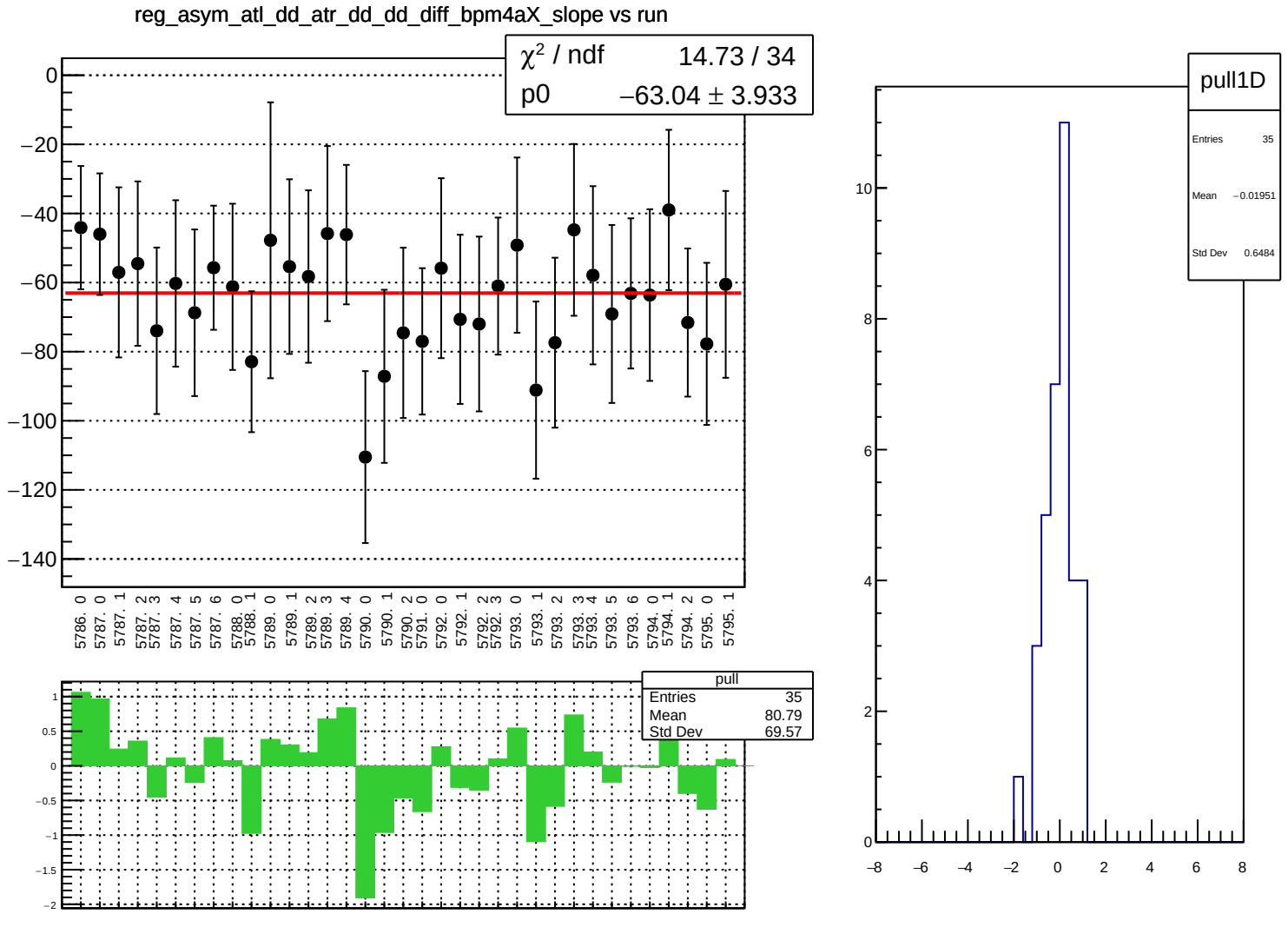

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.89 / 34
p0 −4.84 ± 5.797
pull
Entries 35
Mean 60.78
Std Dev 49.03
pull1D
Entries 35
Mean −0.06778
Std Dev 0.6913

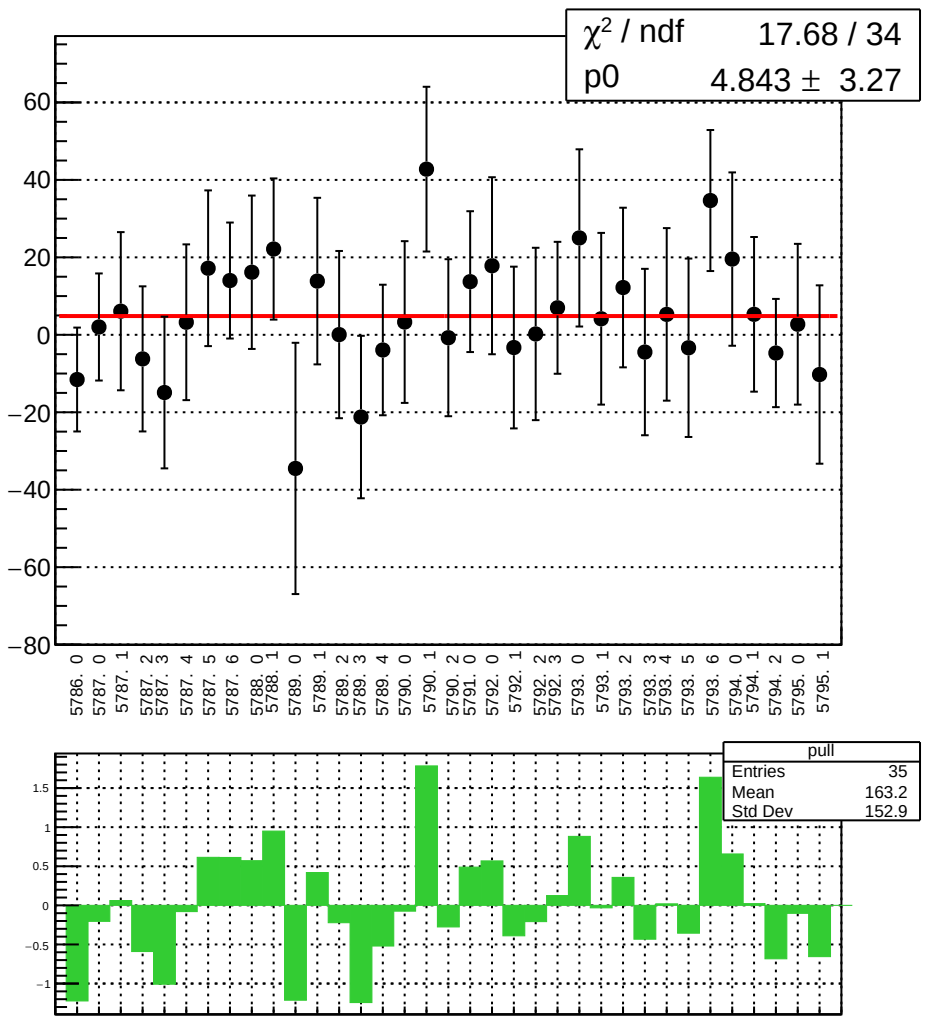

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.14 / 34
p0 −339.6 ± 8.734
−100
−150
−200
−250
−300
−350
−400
−450
−500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 70.57
Std Dev 57.27
5
4
3
2
1
0
−1
pull1D
Entries 35
Mean −0.08604
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

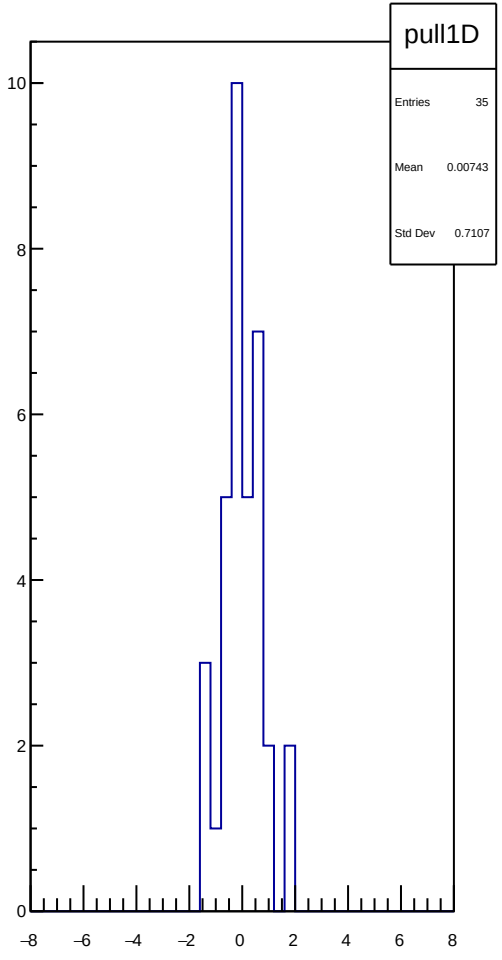

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.06 / 34
p0 −57.76 ± 6.367
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 65.62
Std Dev 53.81
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.0673
Std Dev 0.7348
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

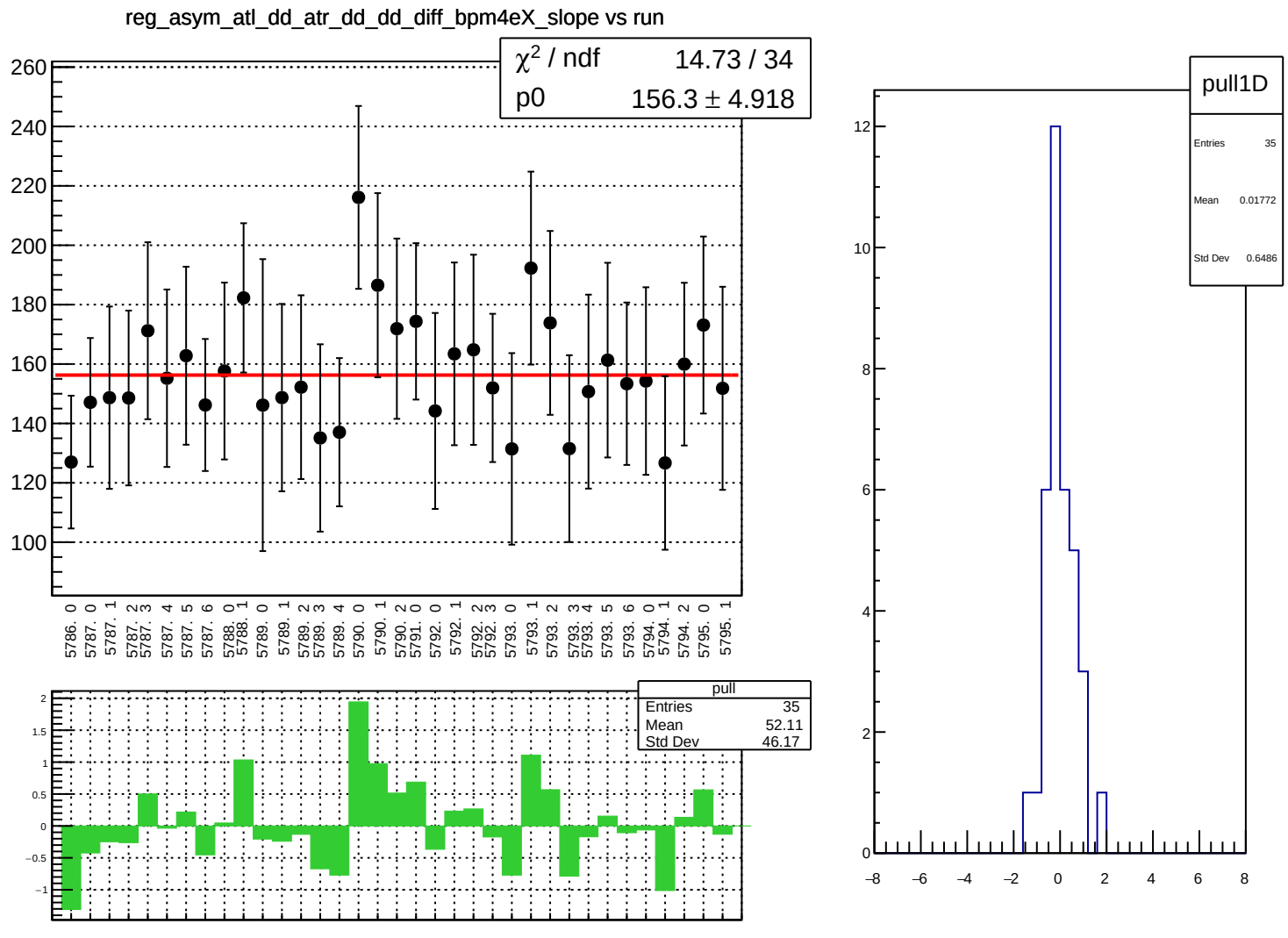

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 17.21 / 34
p0 104.5 ± 0.4268
110
108
106
104
102
100
98
96
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 388.1
Std Dev 370.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

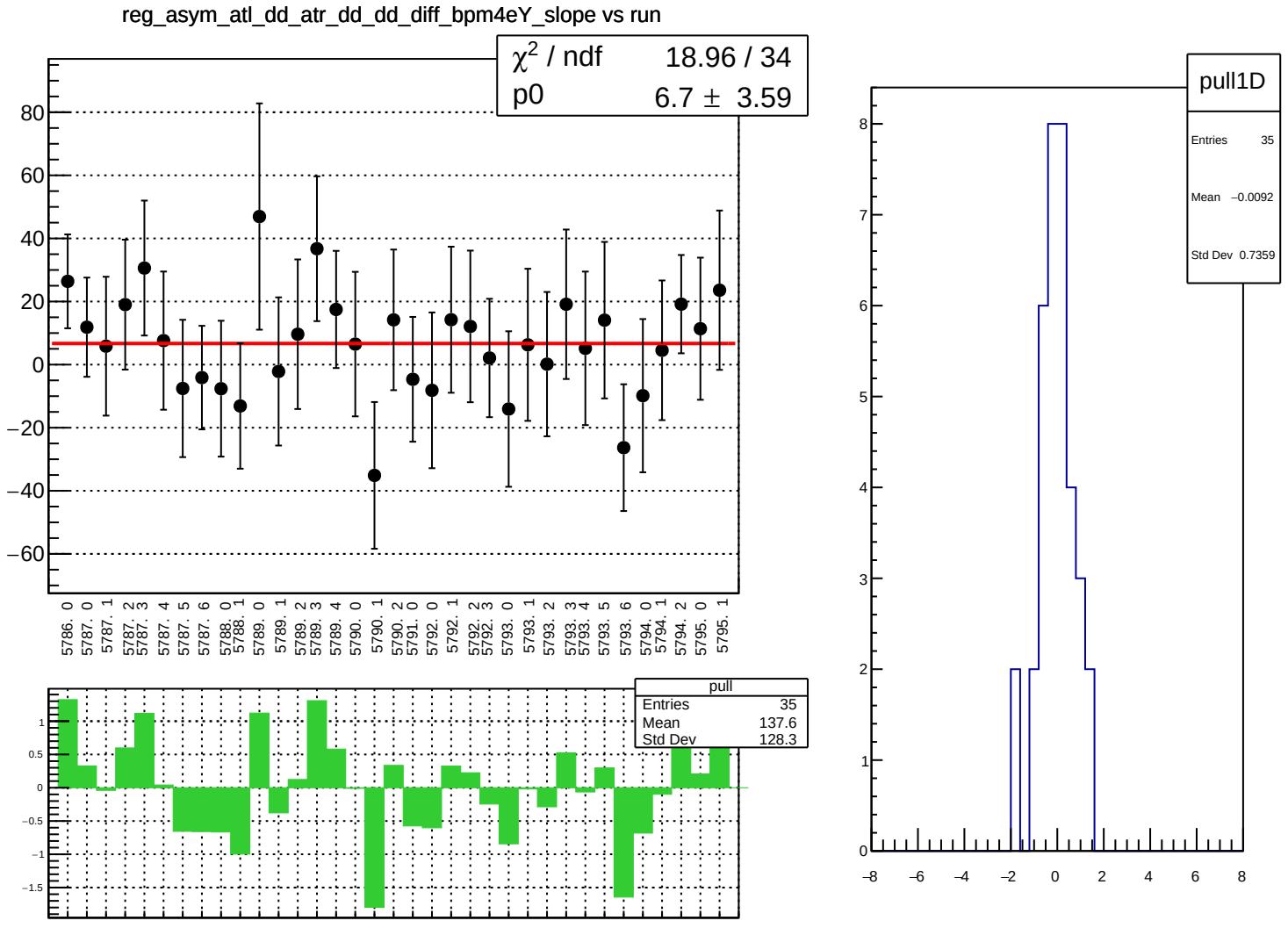

pull1D
Entries 35
Mean 0.009159
Std Dev 0.7012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

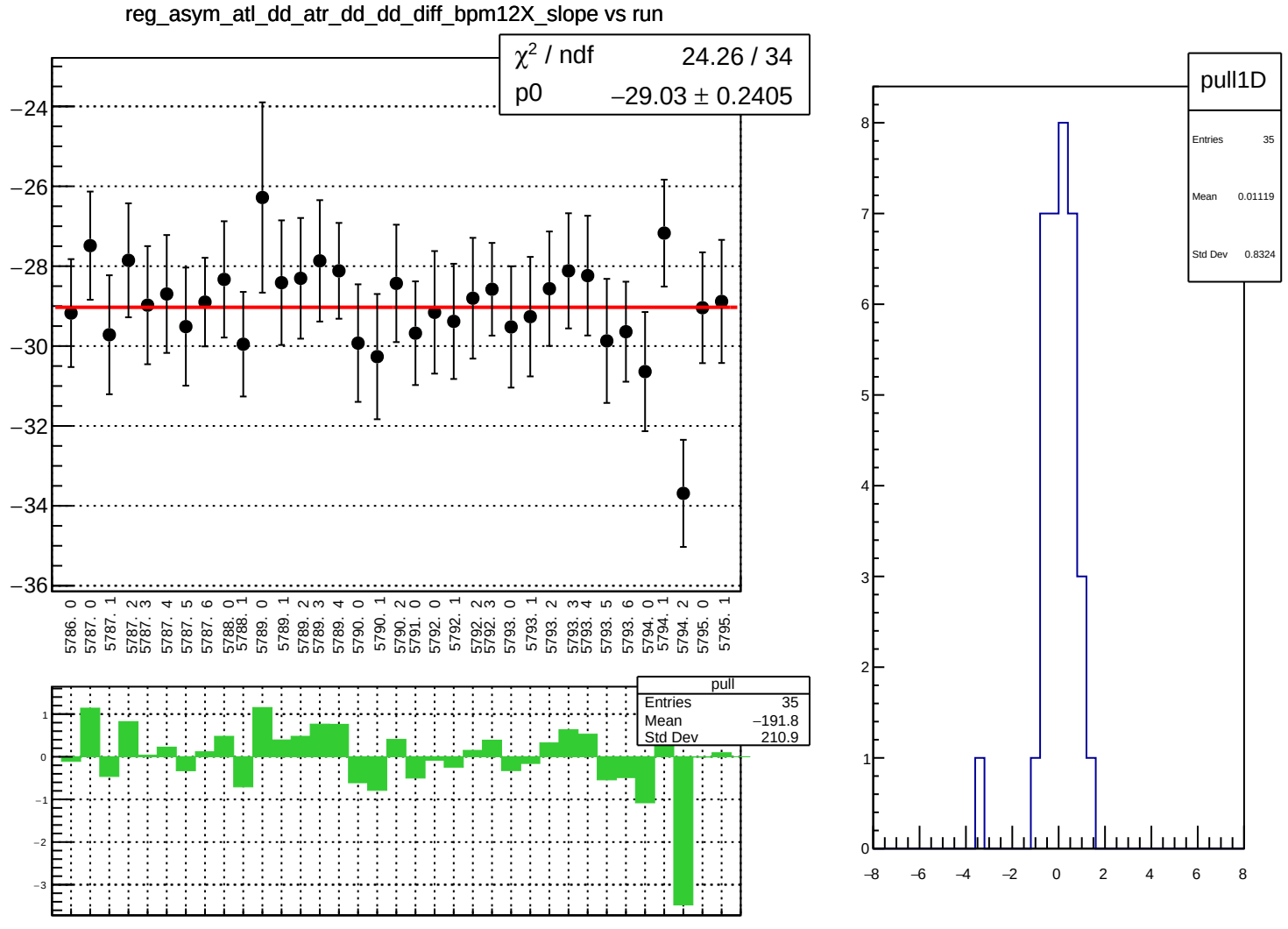

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.73 / 34
p0 −63.04 ± 3.933
0
−20
−40
−60
−80
−100
−120
−140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 80.79
Std Dev 69.57
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.01951
Std Dev 0.6484
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

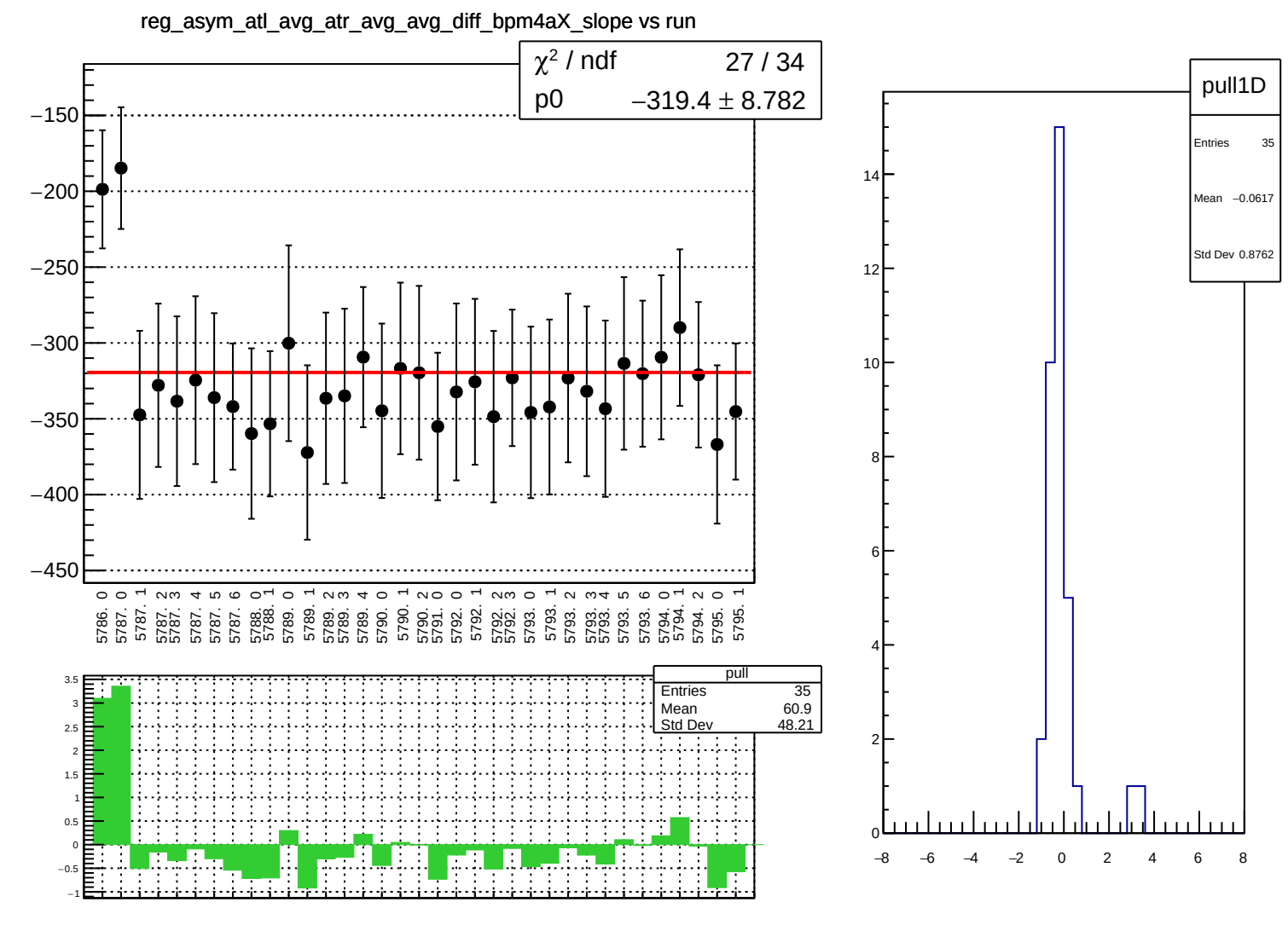

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.68 / 34
p0 4.843 ± 3.27
pull
Entries 35
Mean 163.2
Std Dev 152.9

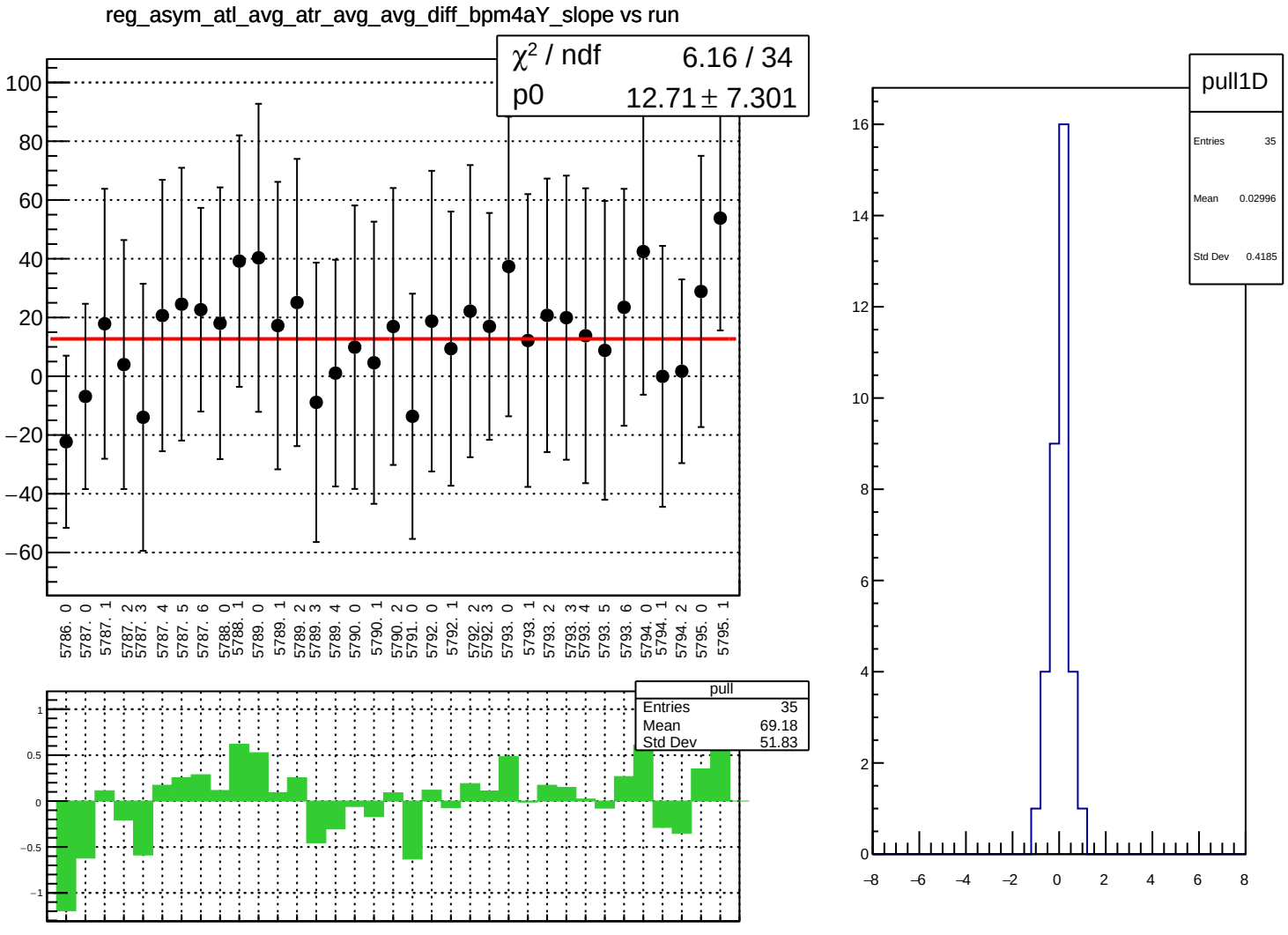

pull1D
Entries 35
Mean 0.00743
Std Dev 0.7107

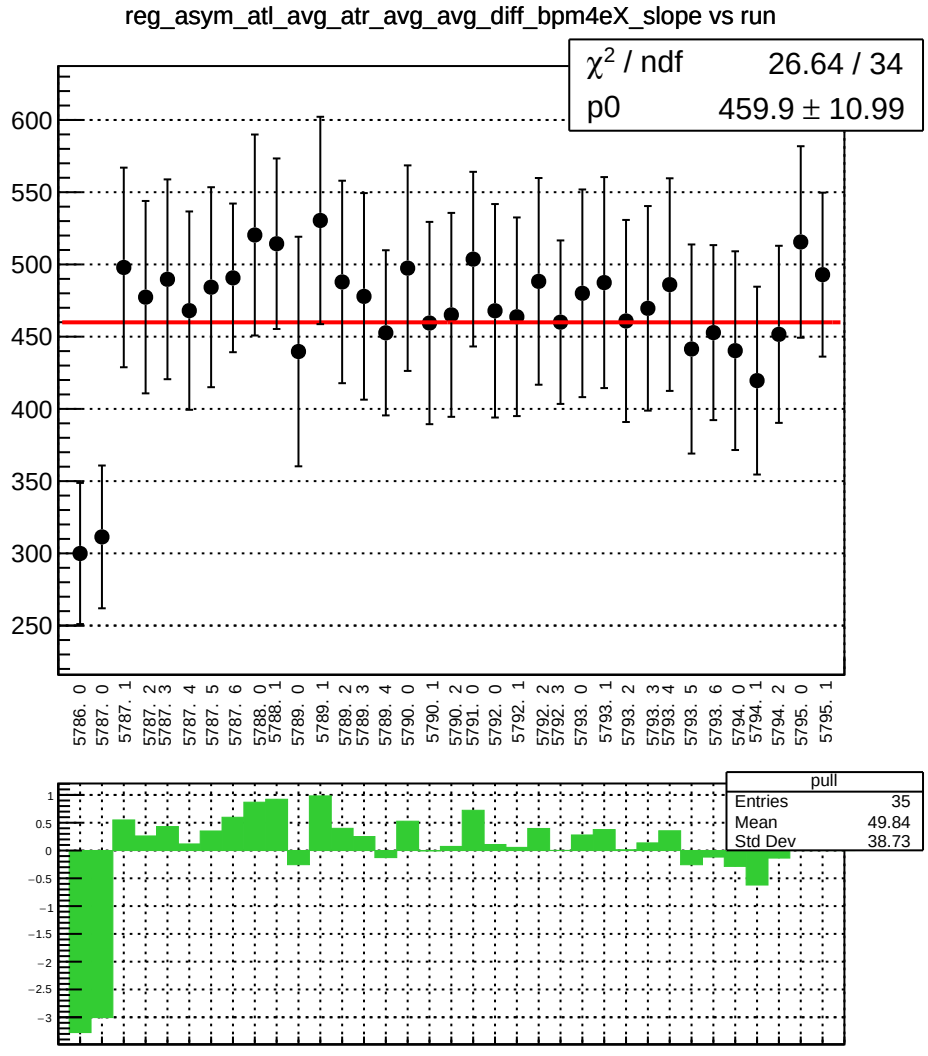

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.73 / 34
p0 156.3 ± 4.918
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 52.11
Std Dev 46.17
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean 0.01772
Std Dev 0.6486
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

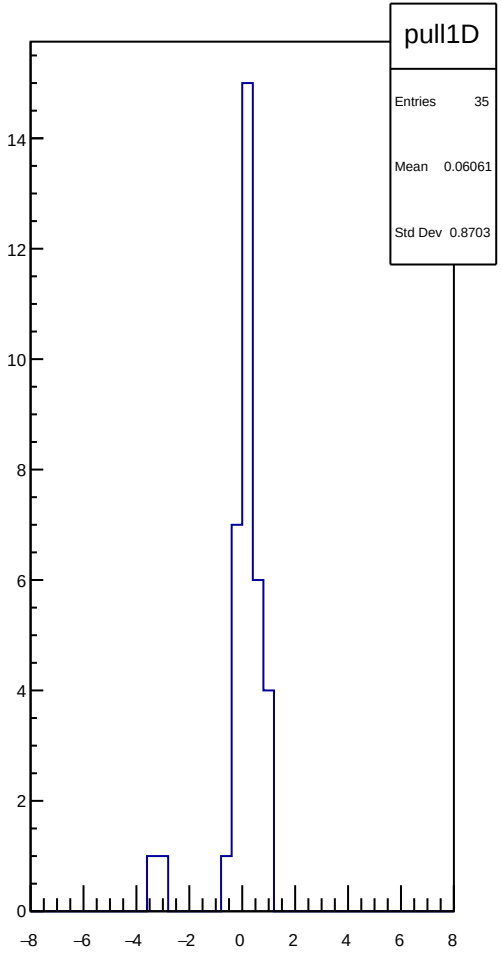

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.96 / 34
p0 6.7 ± 3.59
pull
Entries 35
Mean 137.6
Std Dev 128.3
pull1D
Entries 35
Mean −0.0092
Std Dev 0.7359

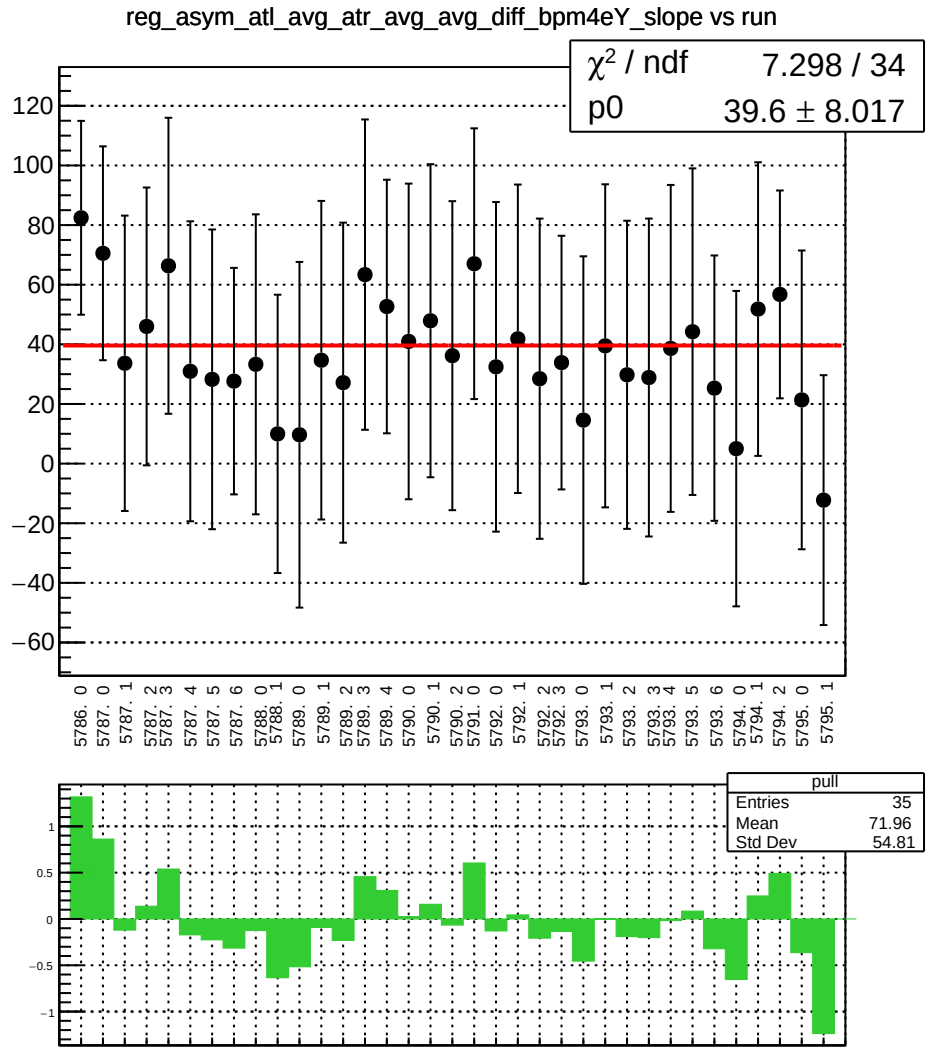

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 24.26 / 34
p0 −29.03 ± 0.2405
pull
Entries 35
Mean −191.8
Std Dev 210.9
pull1D
Entries 35
Mean 0.01119
Std Dev 0.8324

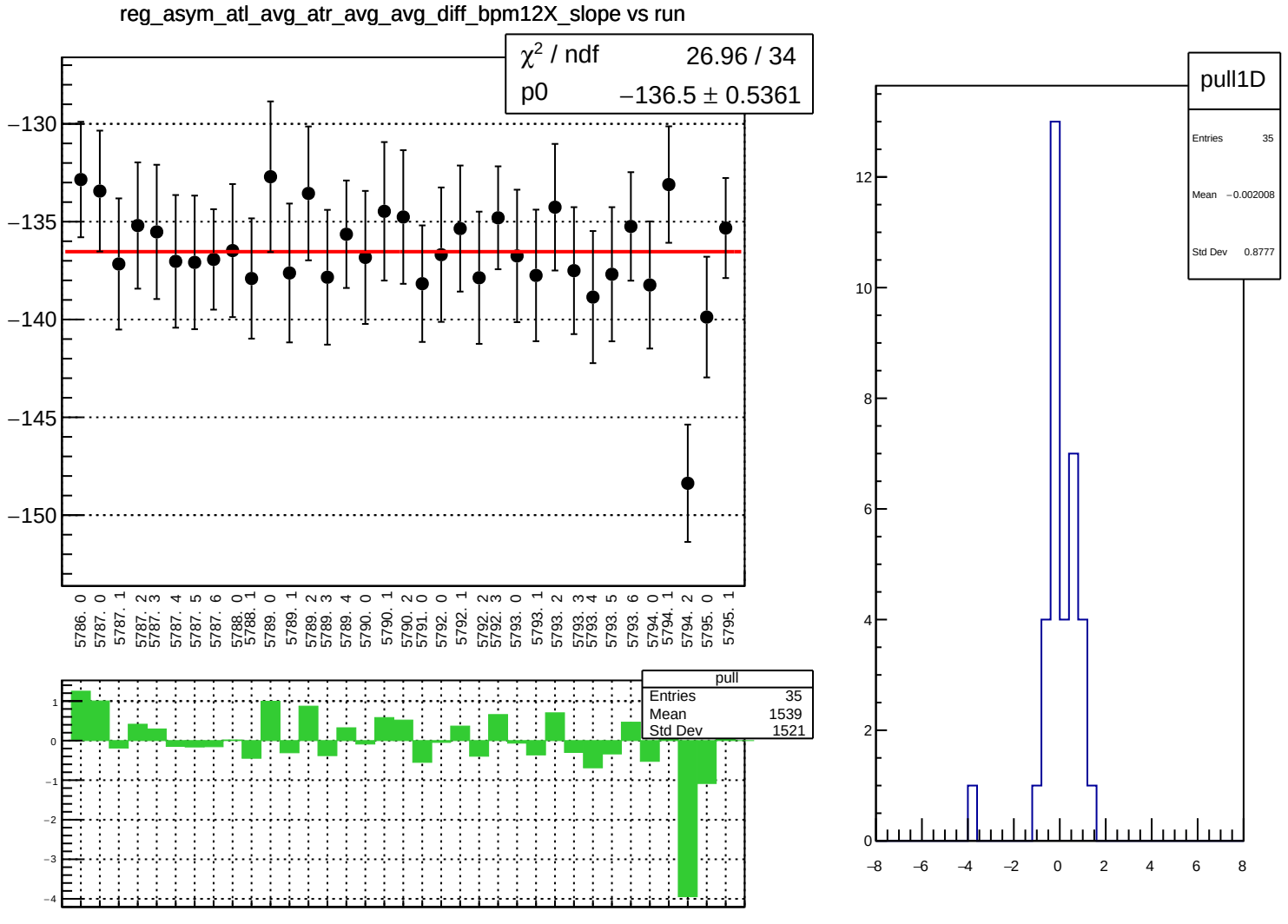

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 27 / 34
p0 −319.4 ± 8.782
−150
−200
−250
−300
−350
−400
−450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 60.9
Std Dev 48.21
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 35
Mean −0.0617
Std Dev 0.8762
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

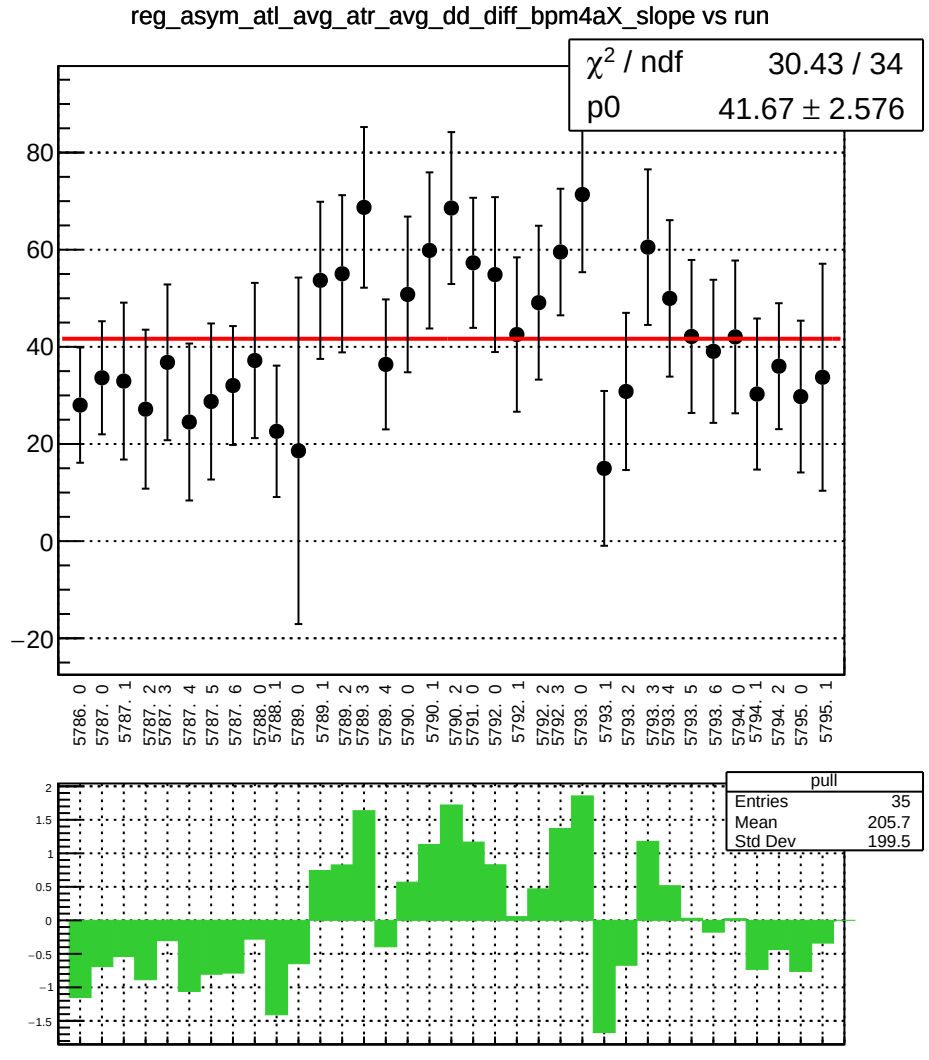

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.16 / 34
p0 12.71 ± 7.301
pull
Entries 35
Mean 69.18
Std Dev 51.83
pull1D
Entries 35
Mean 0.02996
Std Dev 0.4185

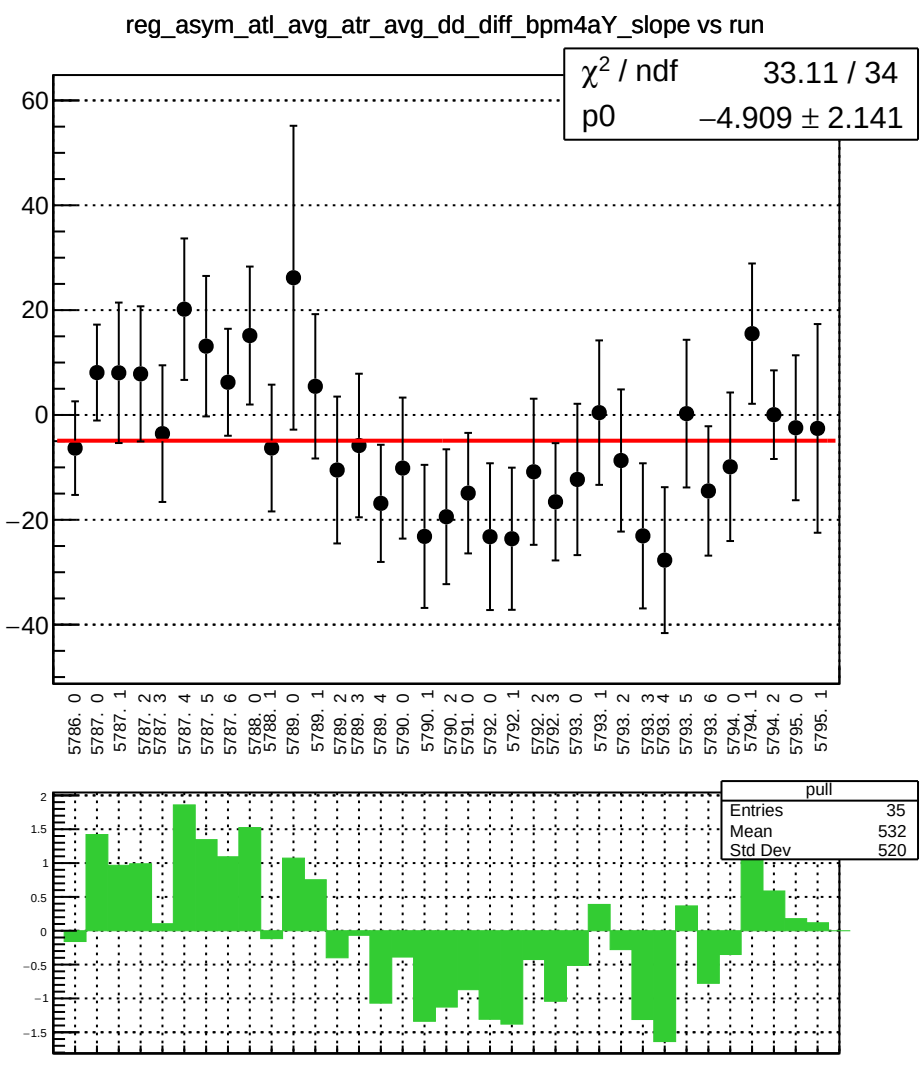

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.64 / 34
p0 459.9 ± 10.99
600
550
500
450
400
350
300
250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 49.84
Std Dev 38.73
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

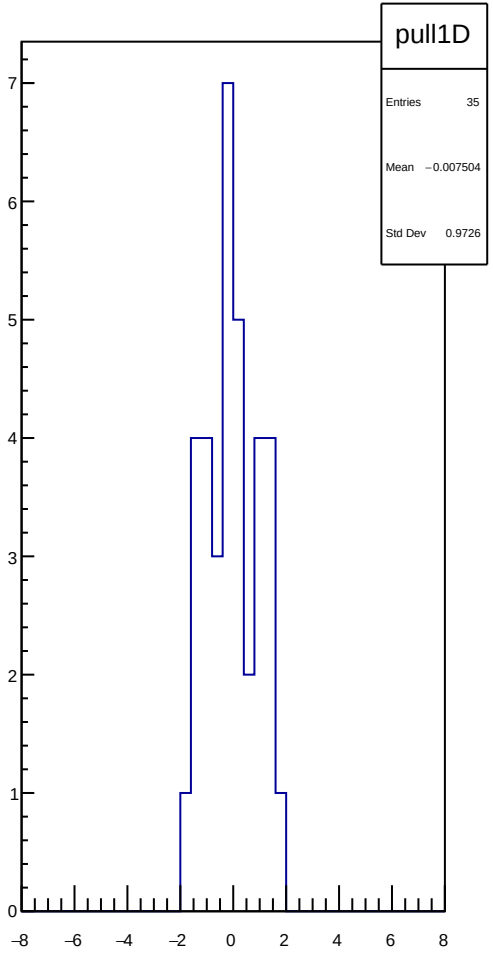

pull1D
Entries 35
Mean 0.06061
Std Dev 0.8703
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

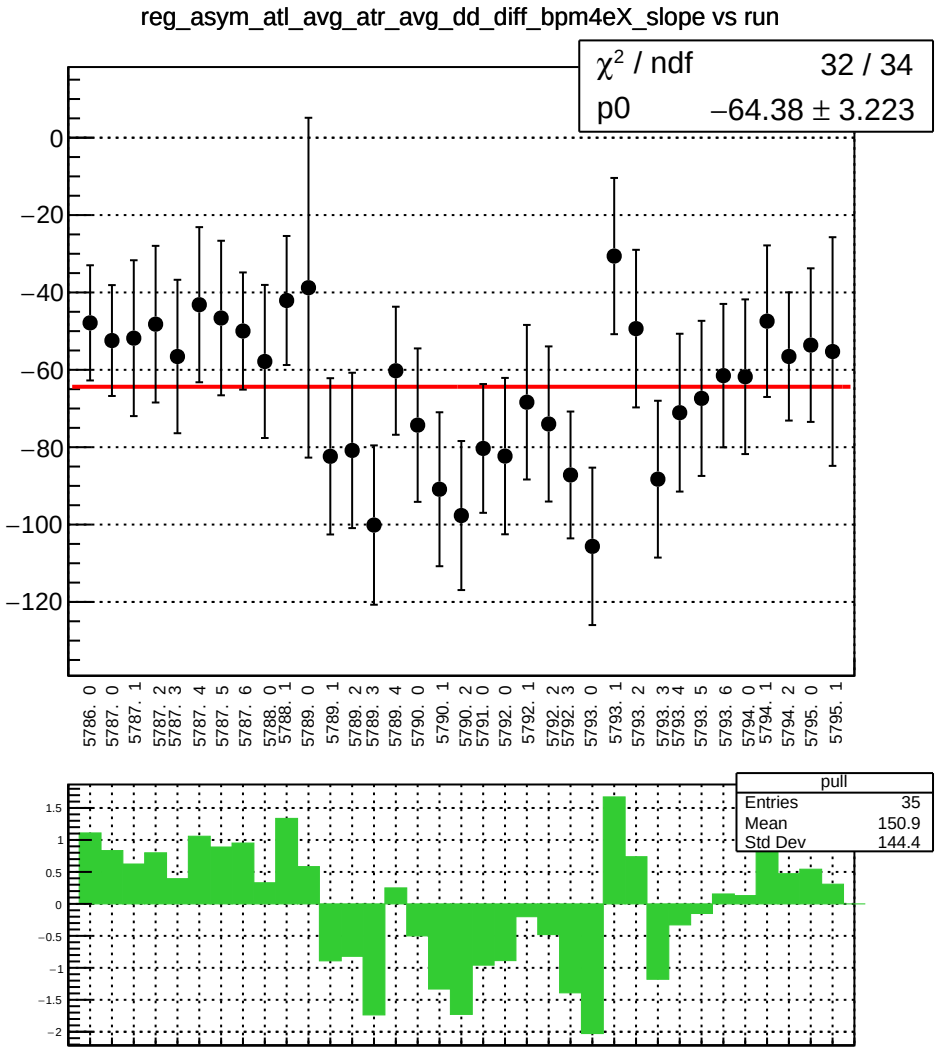

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.298 / 34
p0 39.6 ± 8.017
pull
Entries 35
Mean 71.96
Std Dev 54.81
pull1D
Entries 35
Mean −0.03241
Std Dev 0.4555

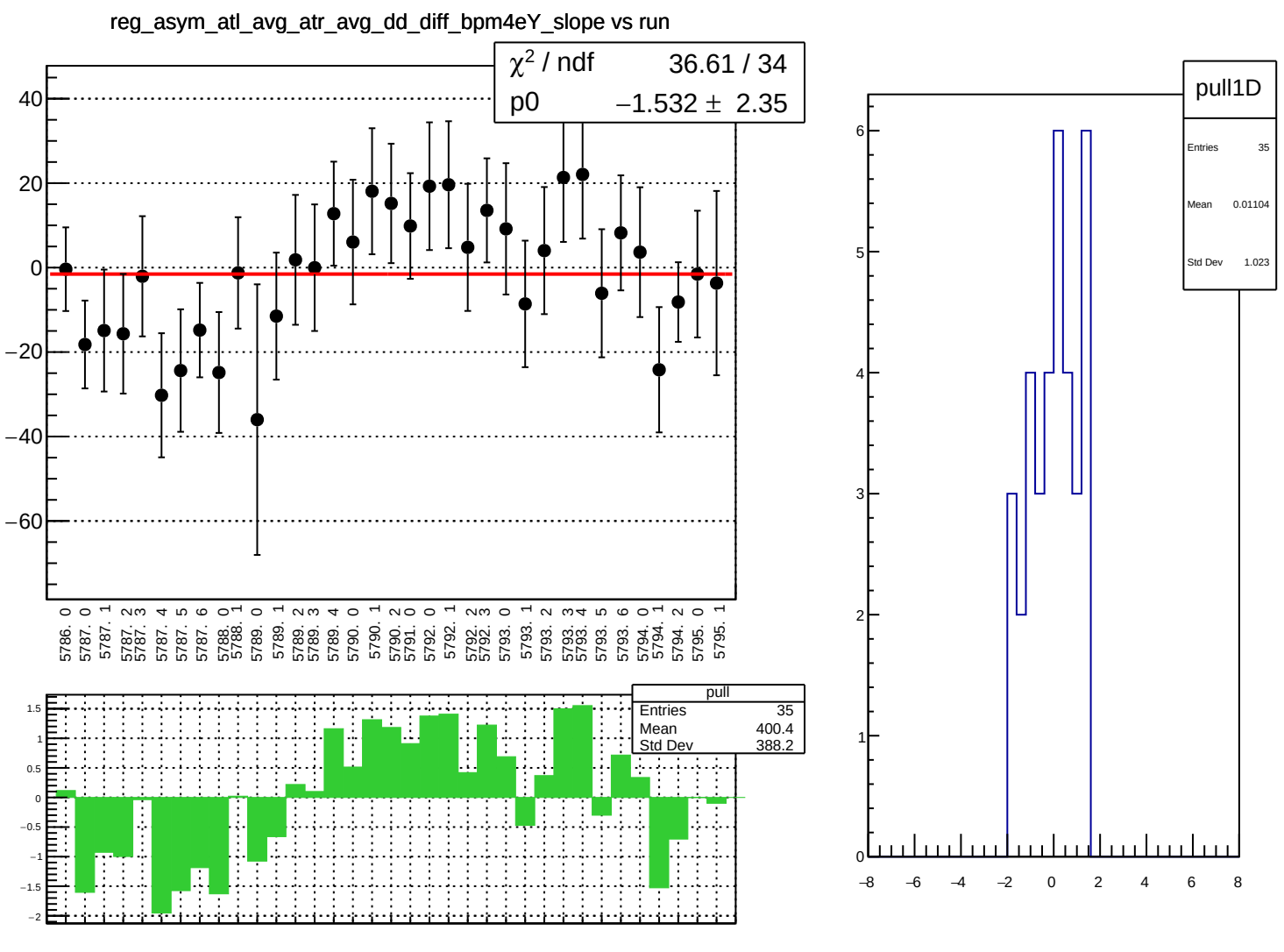

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.96 / 34
p0 −136.5 ± 0.5361
−130
−135
−140
−145
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 1539
Std Dev 1521
pull1D
Entries 35
Mean −0.002008
Std Dev 0.8777

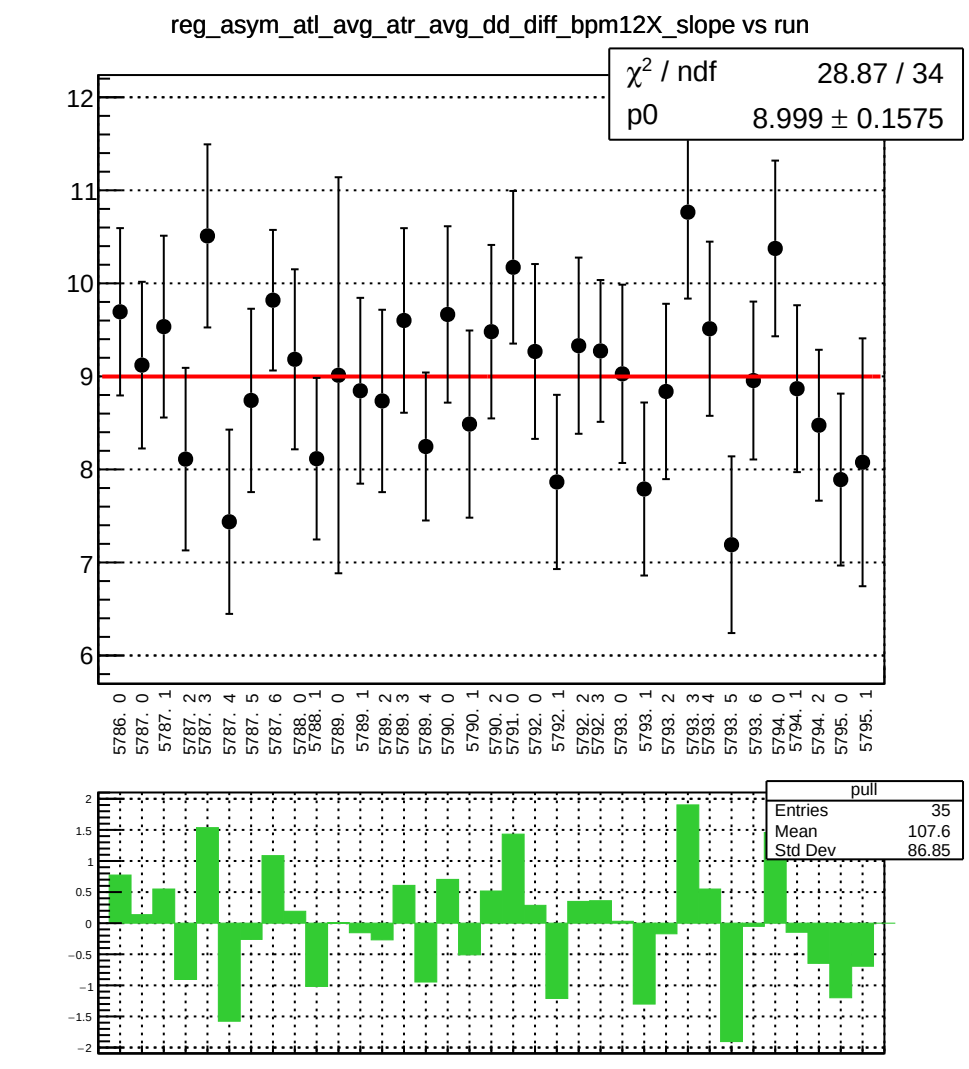

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.43 / 34
p0 41.67 ± 2.576
80
60
40
20
0
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 205.7
Std Dev 199.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 35
Mean 0.01092
Std Dev 0.9323
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

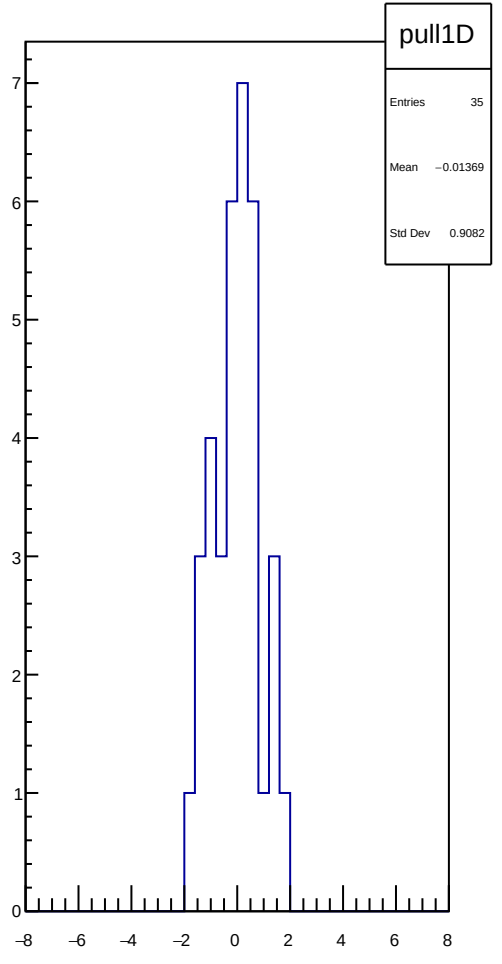

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.11 / 34
p0 −4.909 ± 2.141
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 532
Std Dev 520
2
1.5
1
0.5
0
−0.5
−1
−1.5

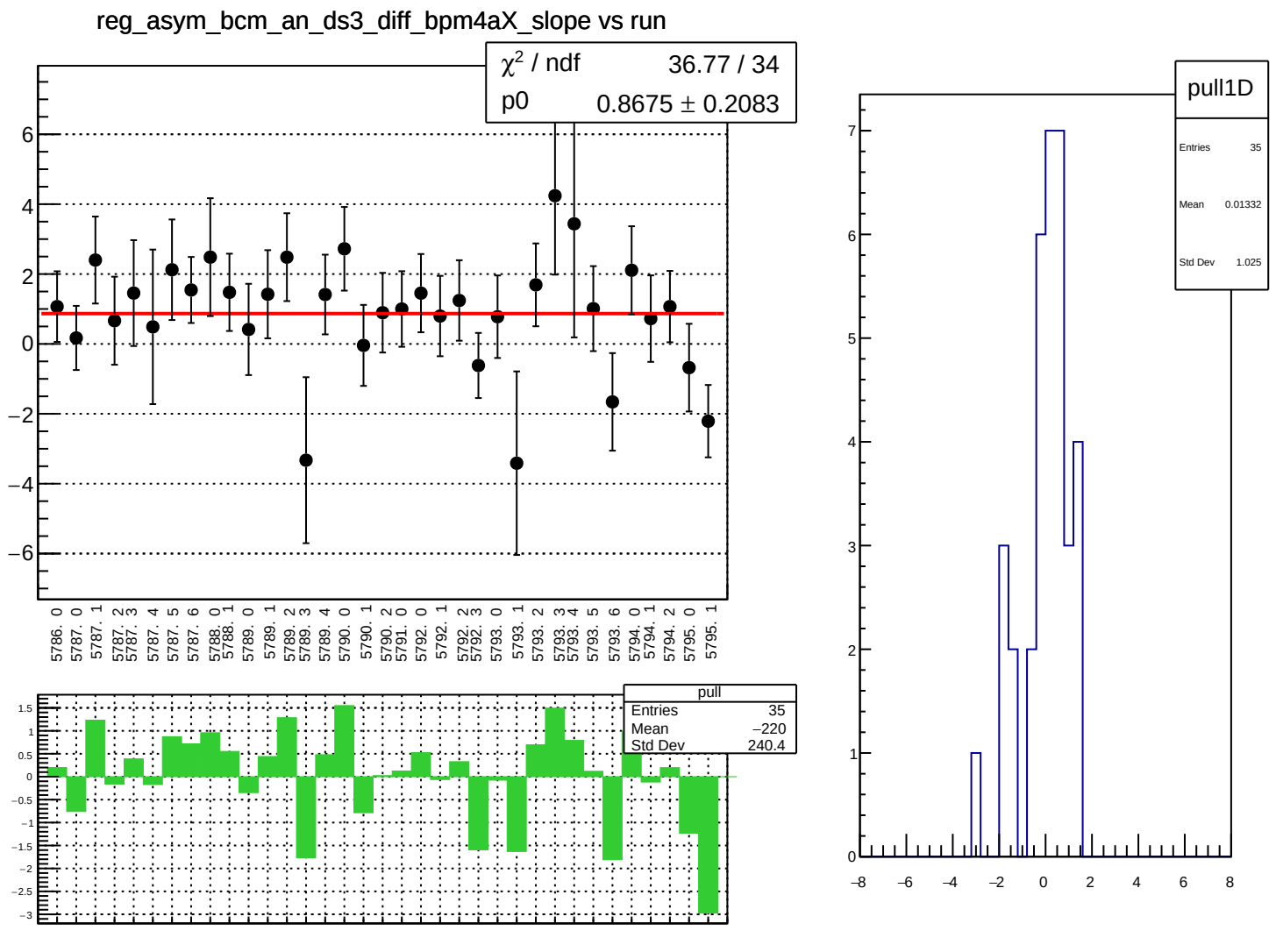

pull1D
Entries 35
Mean −0.007504
Std Dev 0.9726
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

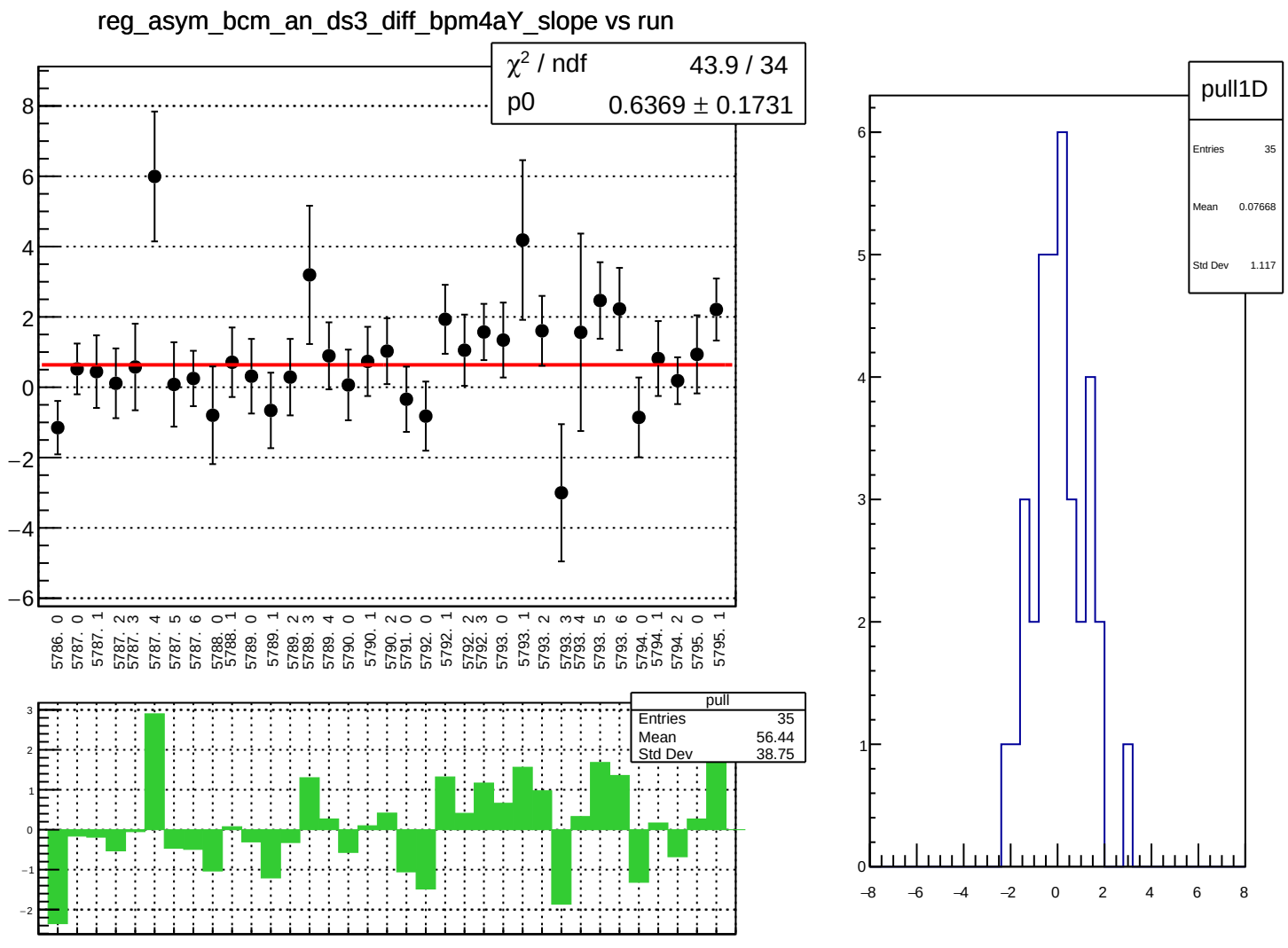

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 32 / 34
p0 −64.38 ± 3.223
0
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 150.9
Std Dev 144.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.01612
Std Dev 0.956
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

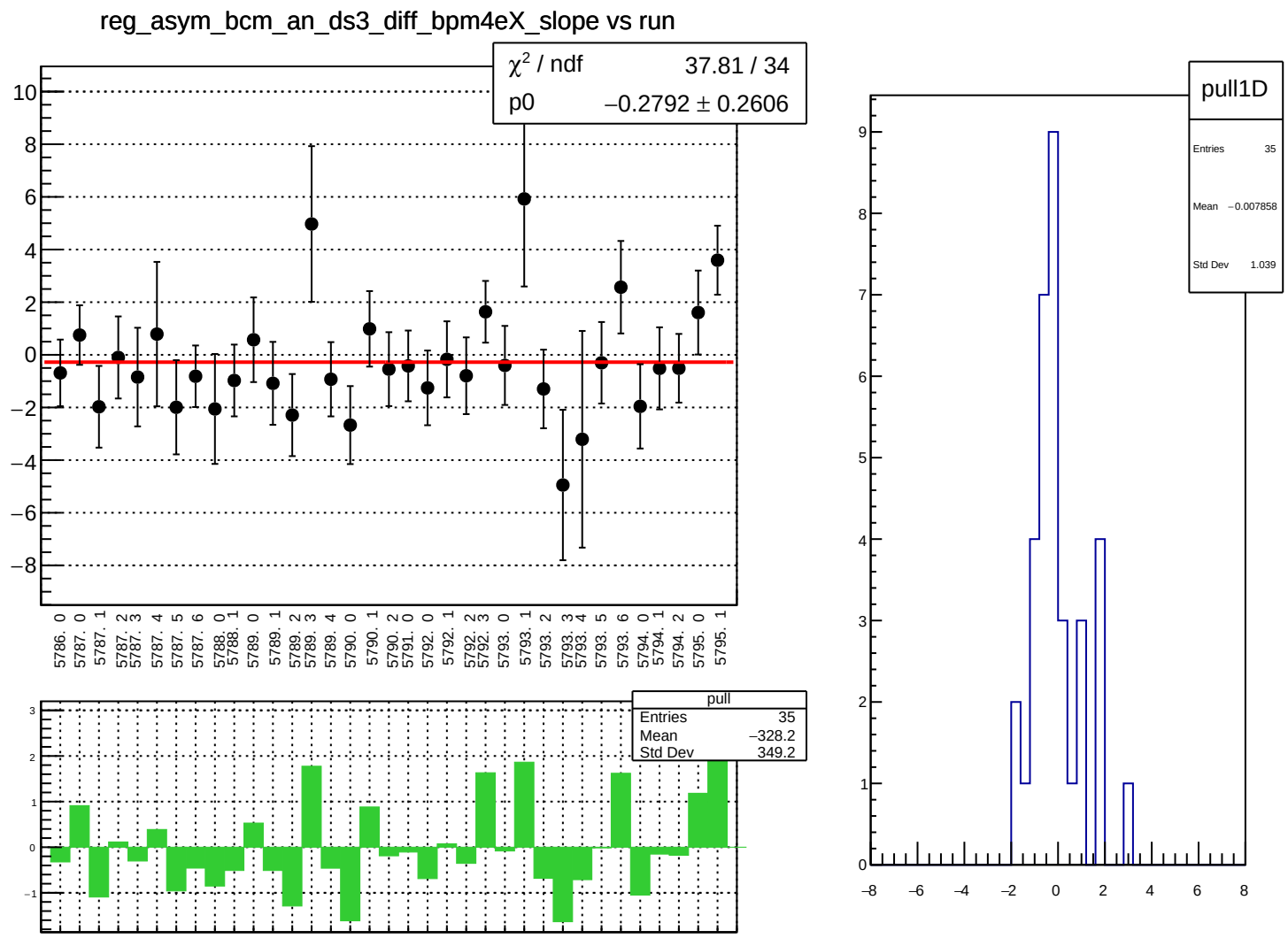

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.61 / 34
p0 −1.532 ± 2.35
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 400.4
Std Dev 388.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean 0.01104
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

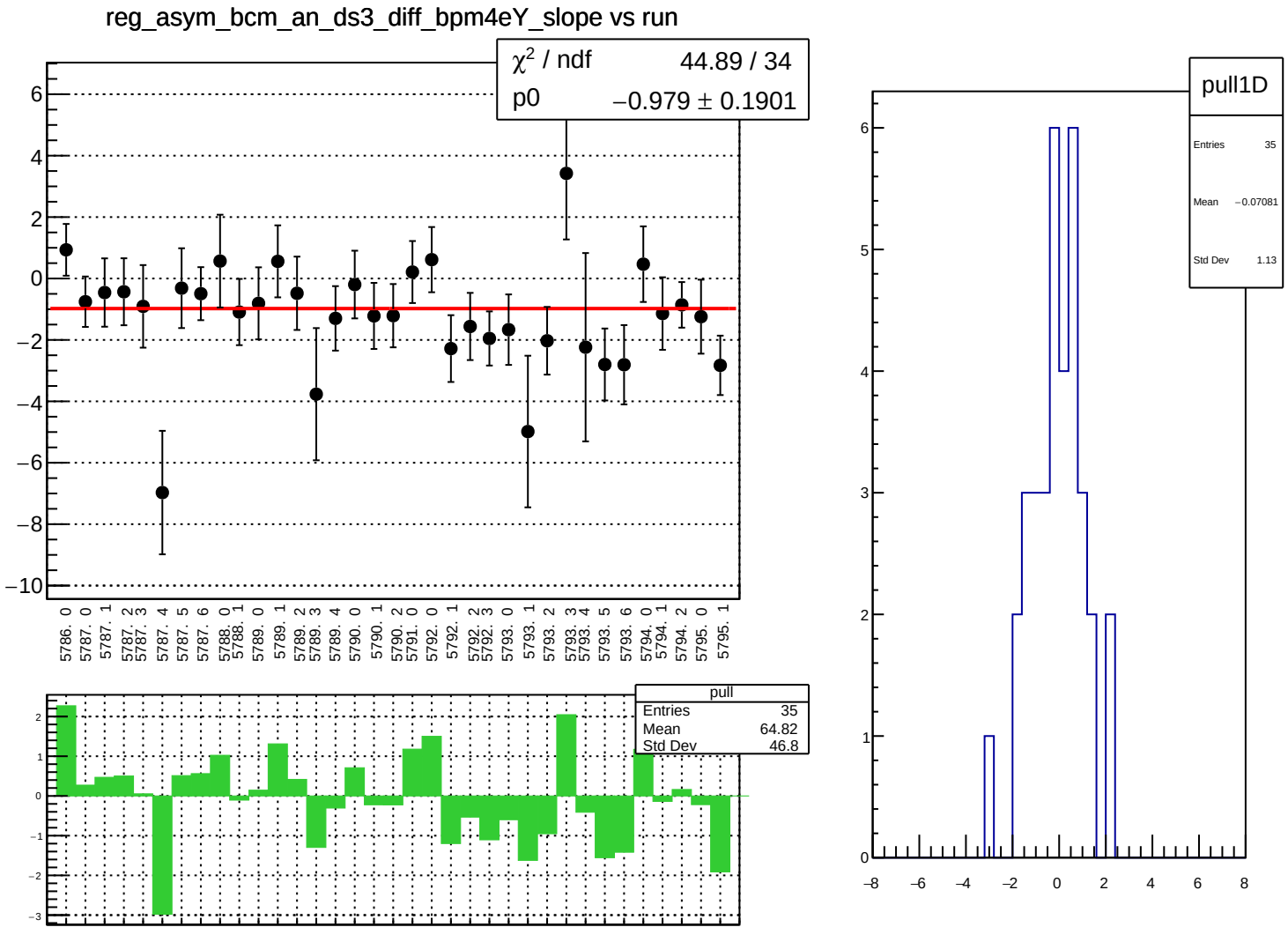

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 28.87 / 34
p0 8.999 ± 0.1575
12
11
10
9
8
7
6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 107.6
Std Dev 86.85
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

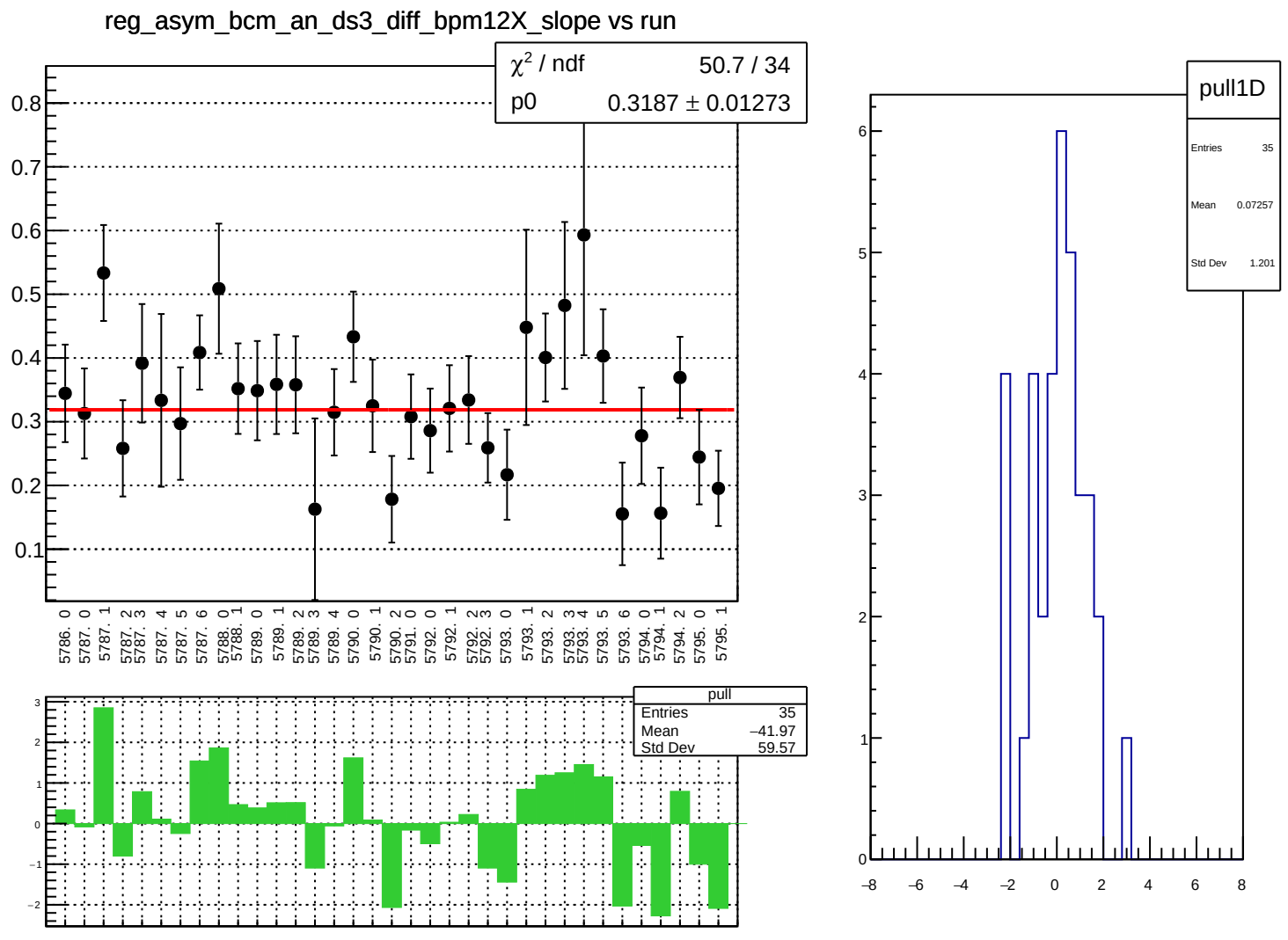

pull1D
Entries 35
Mean −0.01369
Std Dev 0.9082
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

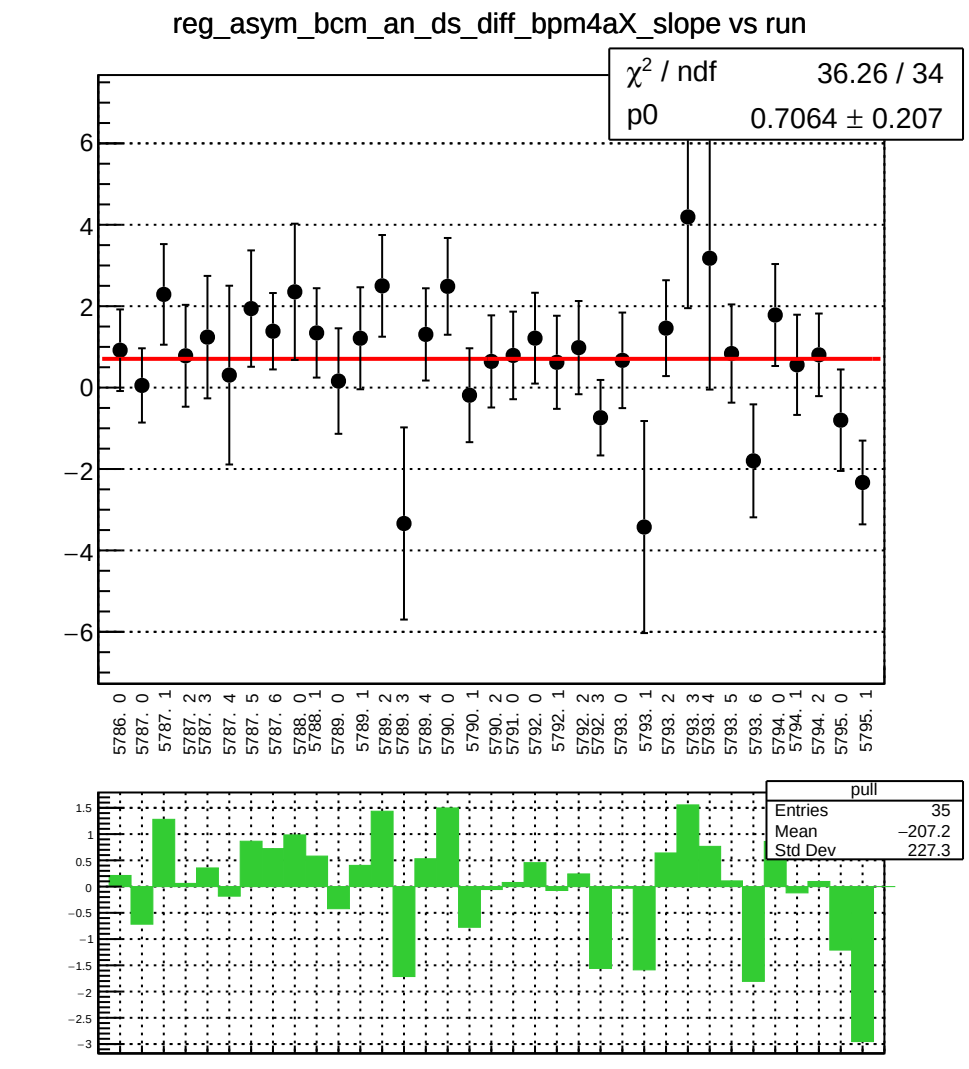

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 36.77 / 34
p0 0.8675 ± 0.2083
pull
Entries 35
Mean −220
Std Dev 240.4
pull1D
Entries 35
Mean 0.01332
Std Dev 1.025

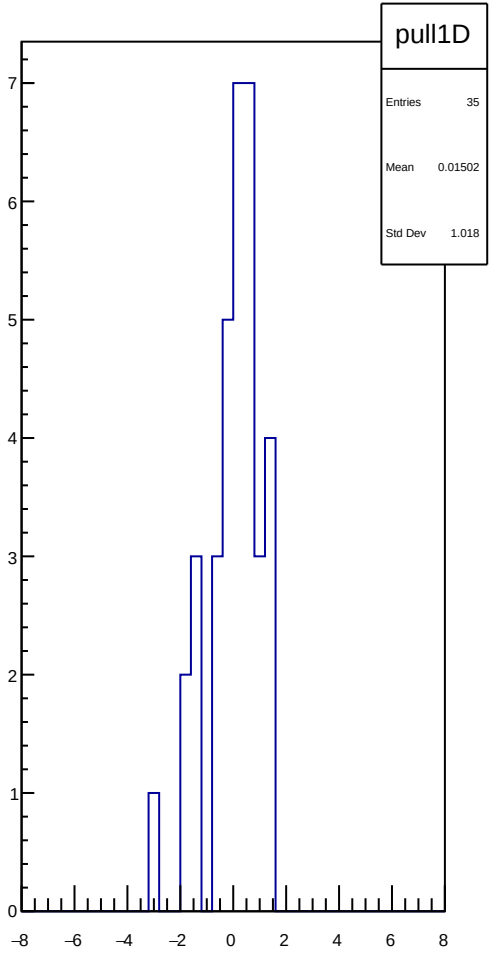

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 43.9 / 34
p0 0.6369 ± 0.1731
pull
Entries 35
Mean 56.44
Std Dev 38.75
pull1D
Entries 35
Mean 0.07668
Std Dev 1.117

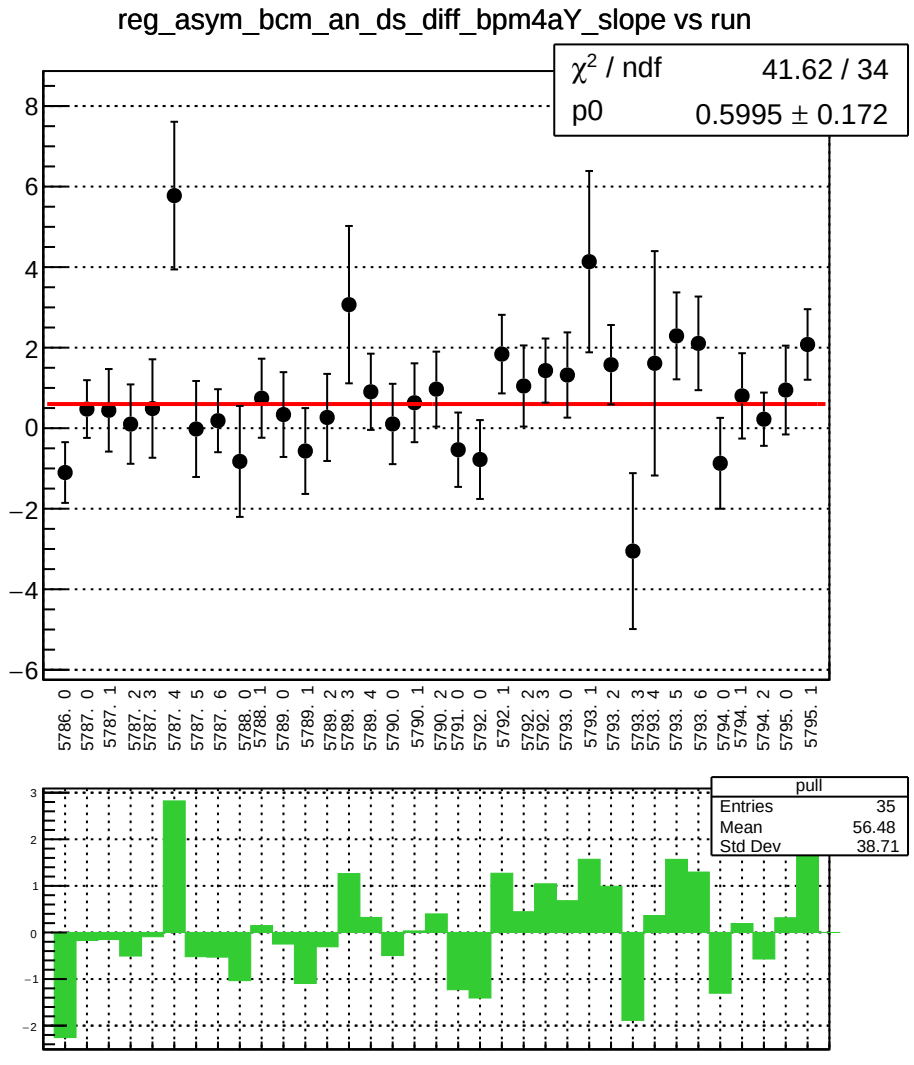

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 37.81 / 34
p0 −0.2792 ± 0.2606
pull
Entries 35
Mean −328.2
Std Dev 349.2
pull1D
Entries 35
Mean −0.007858
Std Dev 1.039

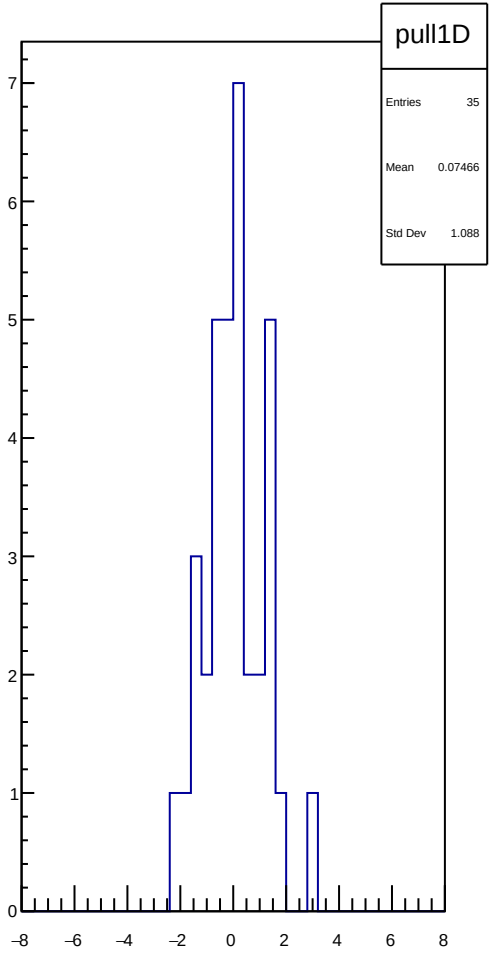

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 44.89 / 34
p0 −0.979 ± 0.1901
pull
Entries 35
Mean 64.82
Std Dev 46.8
pull1D
Entries 35
Mean −0.07081
Std Dev 1.13

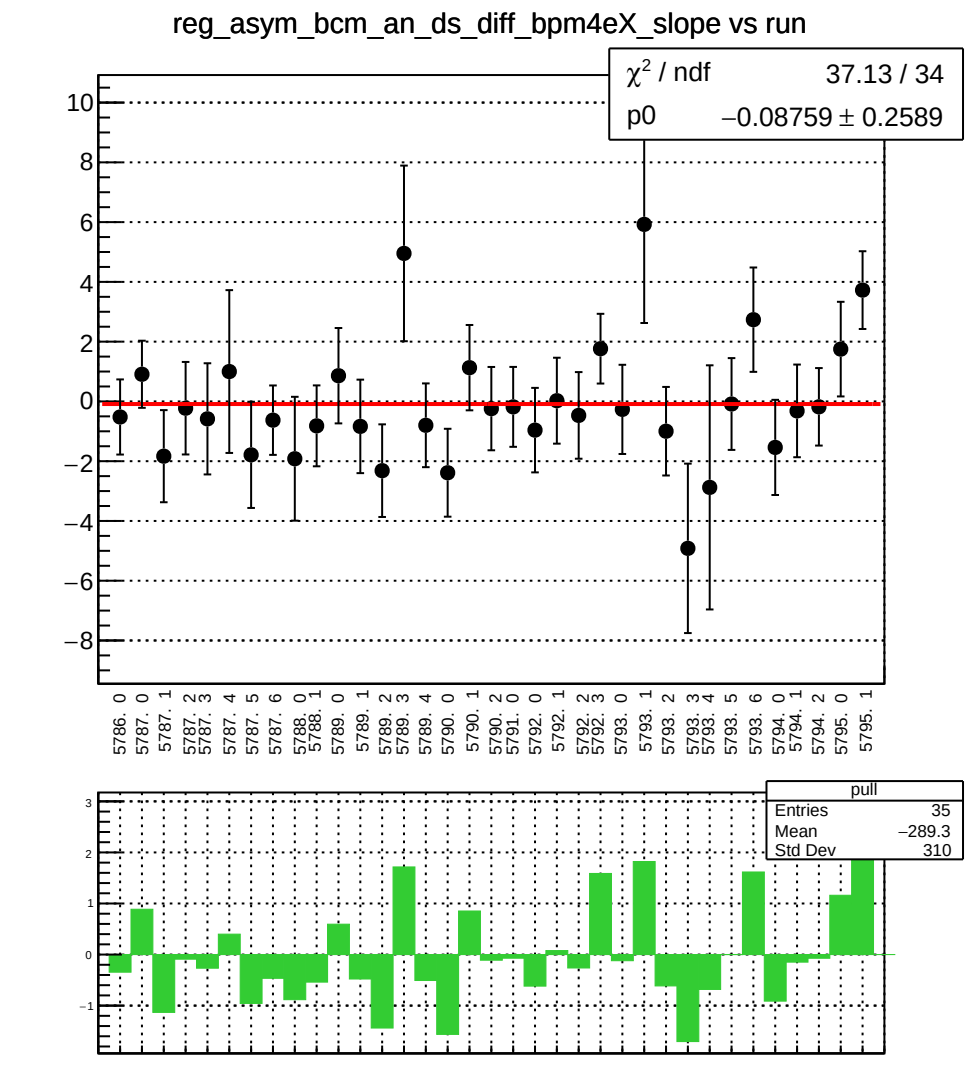

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 50.7 / 34
p0 0.3187 ± 0.01273
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −41.97
Std Dev 59.57
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.07257
Std Dev 1.201
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

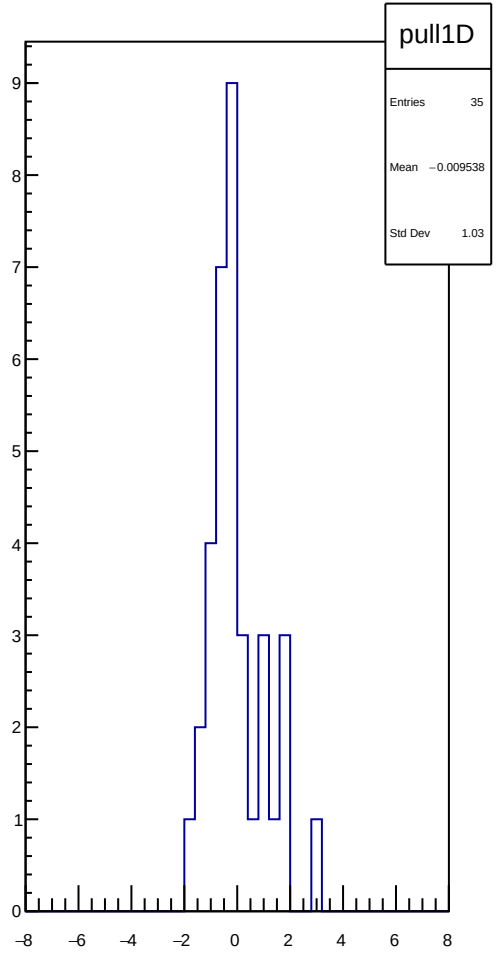

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 36.26 / 34
p0 0.7064 ± 0.207
pull
Entries 35
Mean −207.2
Std Dev 227.3

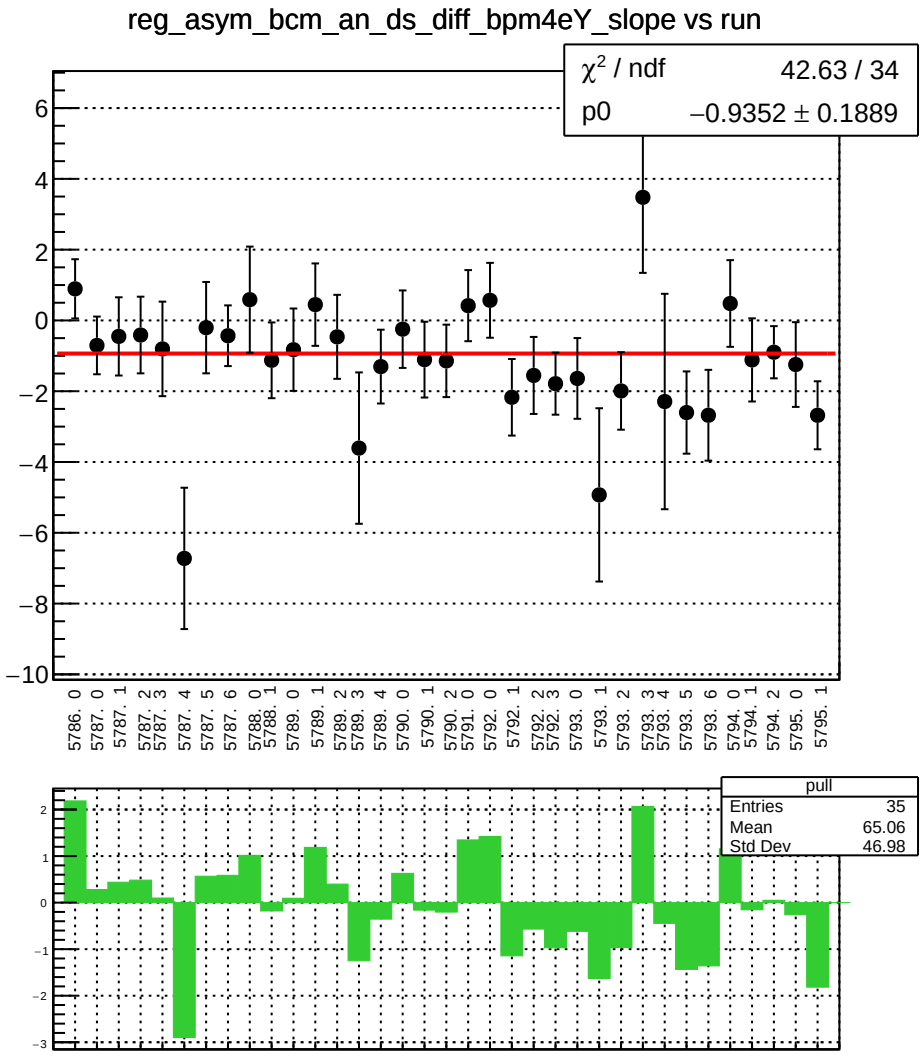

pull1D
Entries 35
Mean 0.01502
Std Dev 1.018

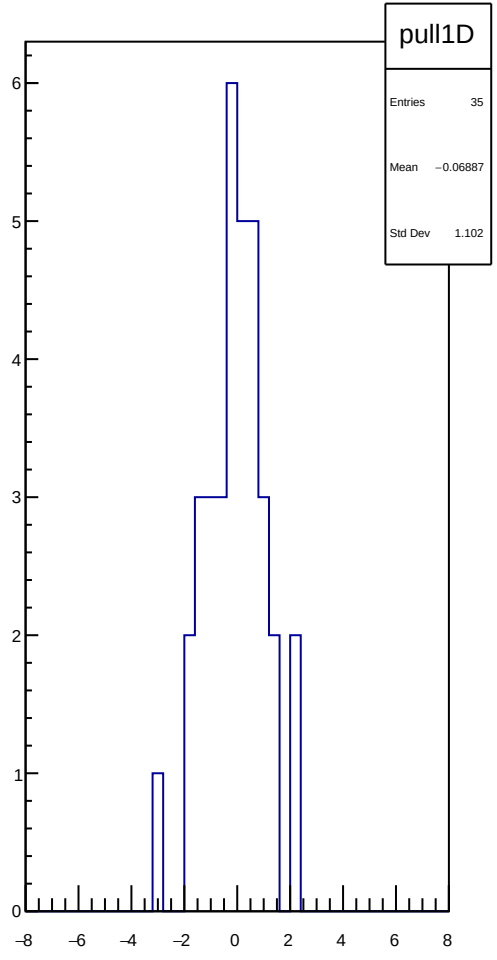

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 41.62 / 34
p0 0.5995 ± 0.172
pull
Entries 35
Mean 56.48
Std Dev 38.71

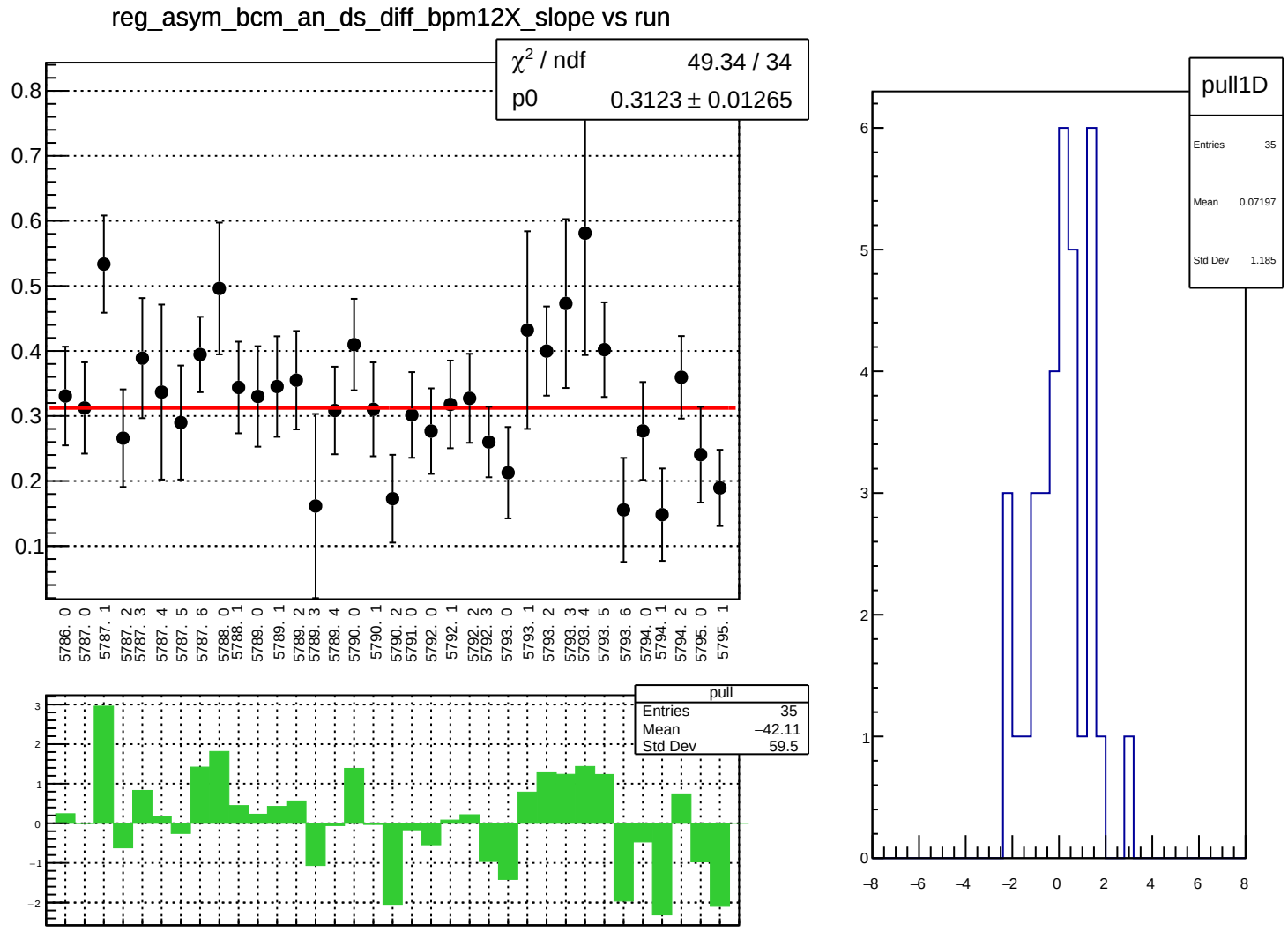

pull1D
Entries 35
Mean 0.07466
Std Dev 1.088

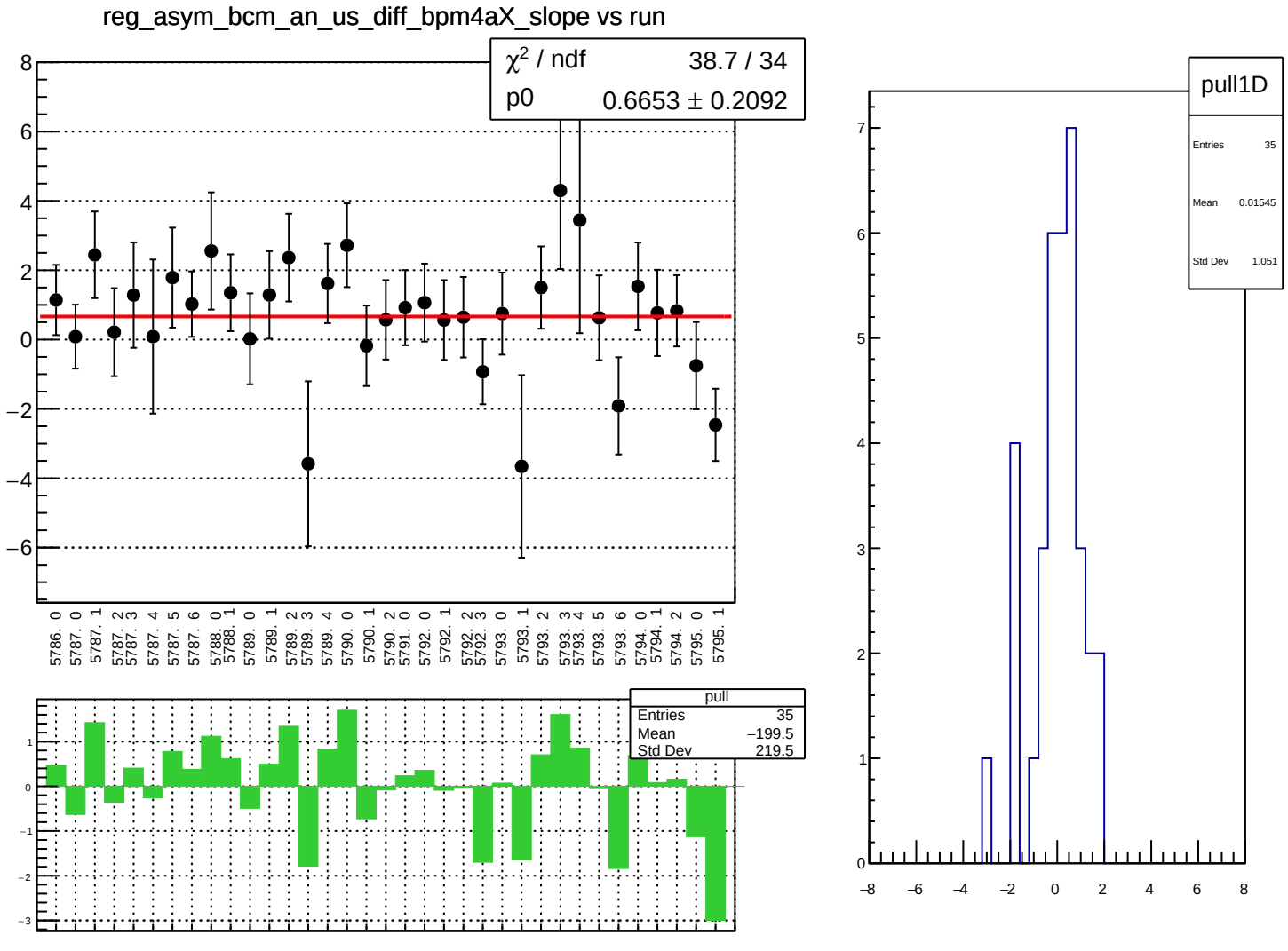

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 37.13 / 34
p0 −0.08759 ± 0.2589
pull
Entries 35
Mean −289.3
Std Dev 310

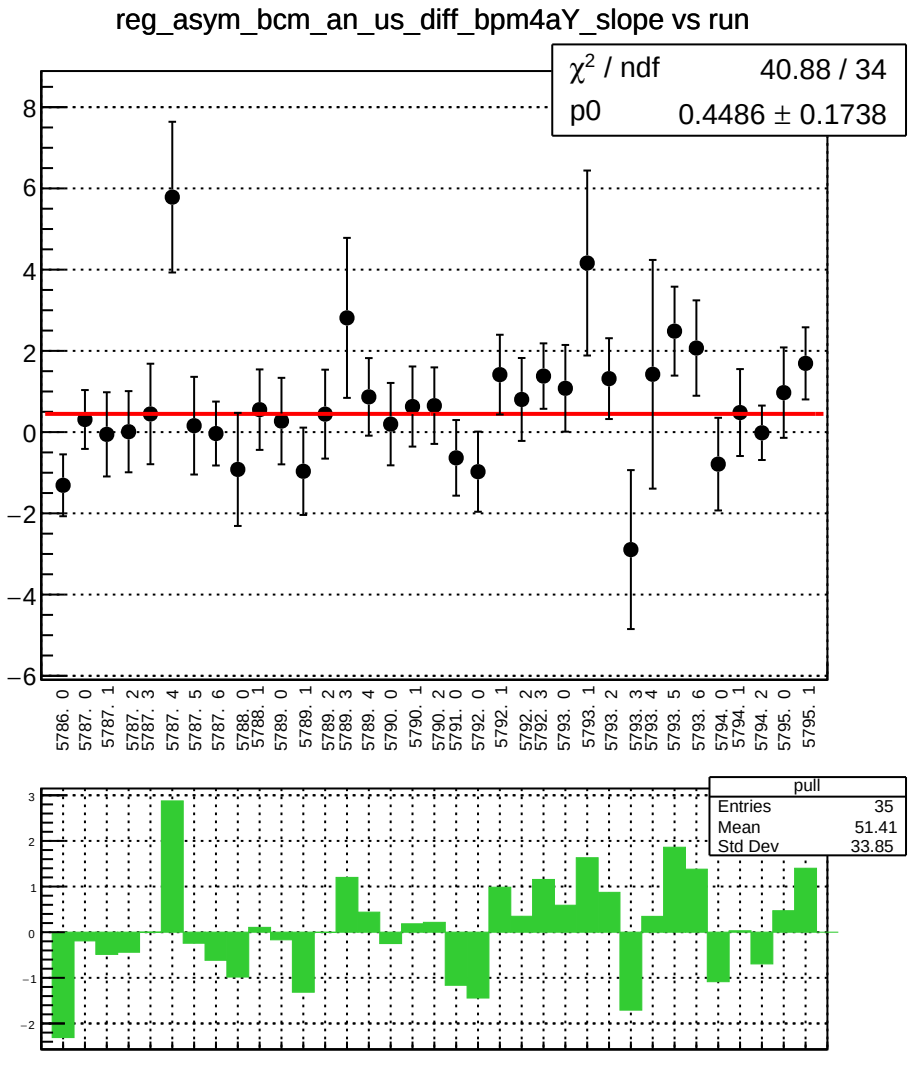

pull1D
Entries 35
Mean −0.009538
Std Dev 1.03

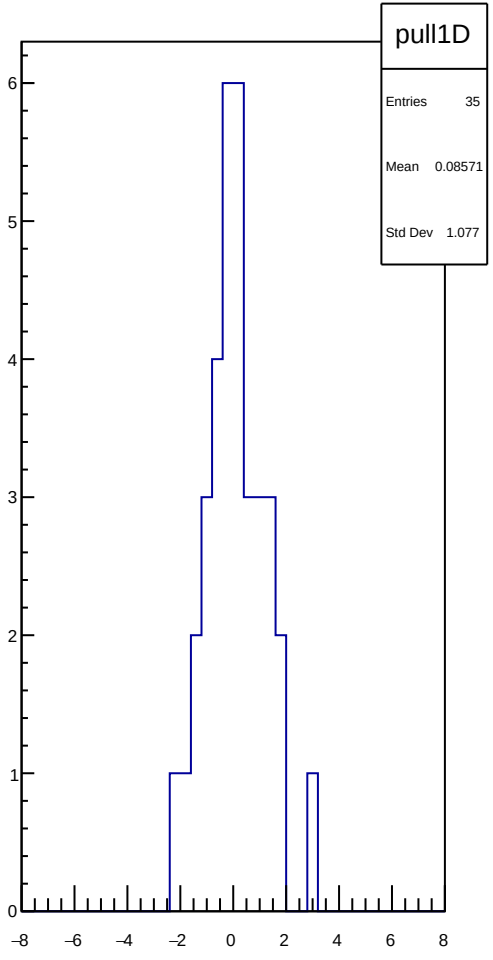

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 42.63 / 34
p0 −0.9352 ± 0.1889
pull
Entries 35
Mean 65.06
Std Dev 46.98

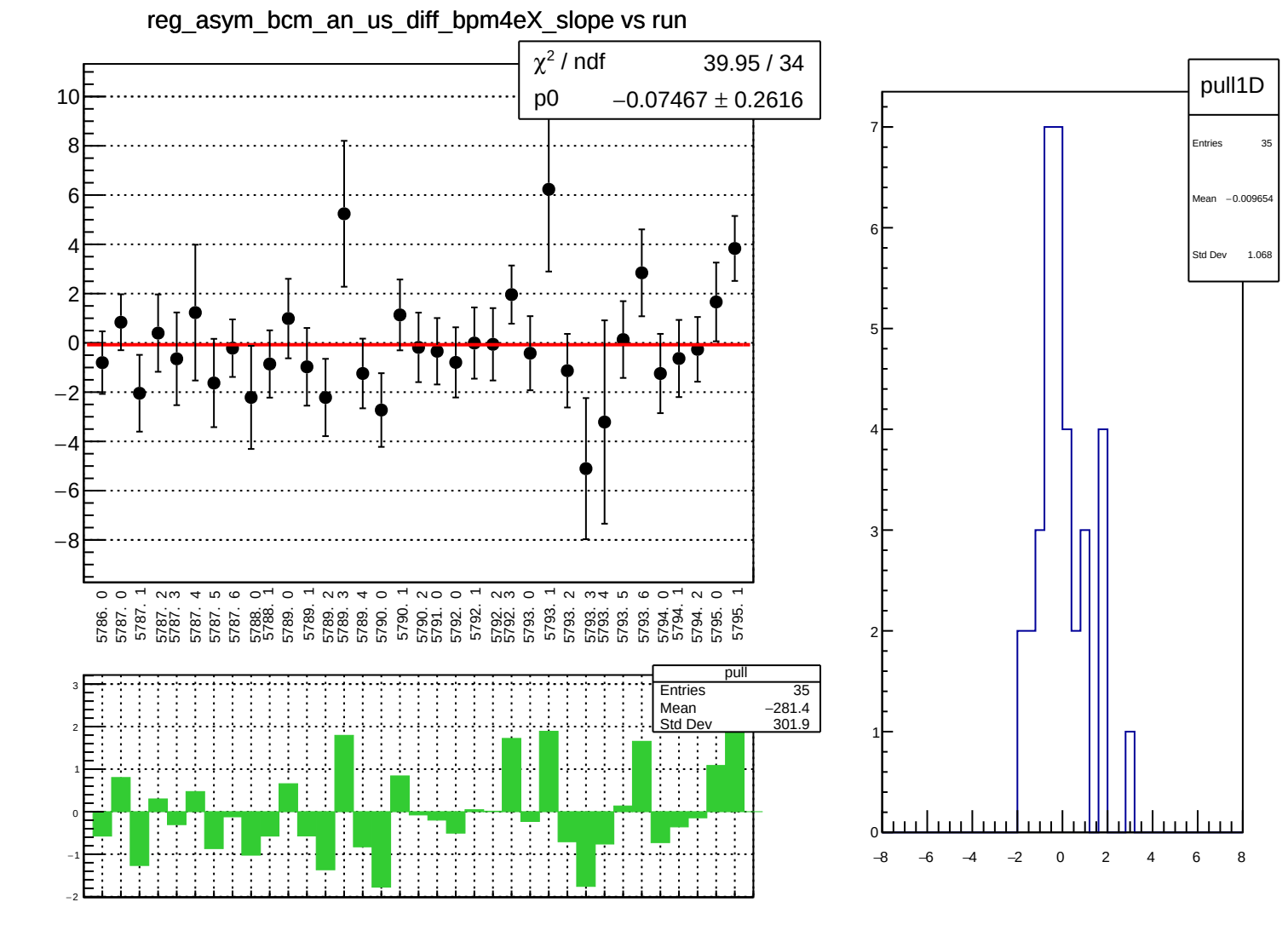

pull1D
Entries 35
Mean −0.06887
Std Dev 1.102

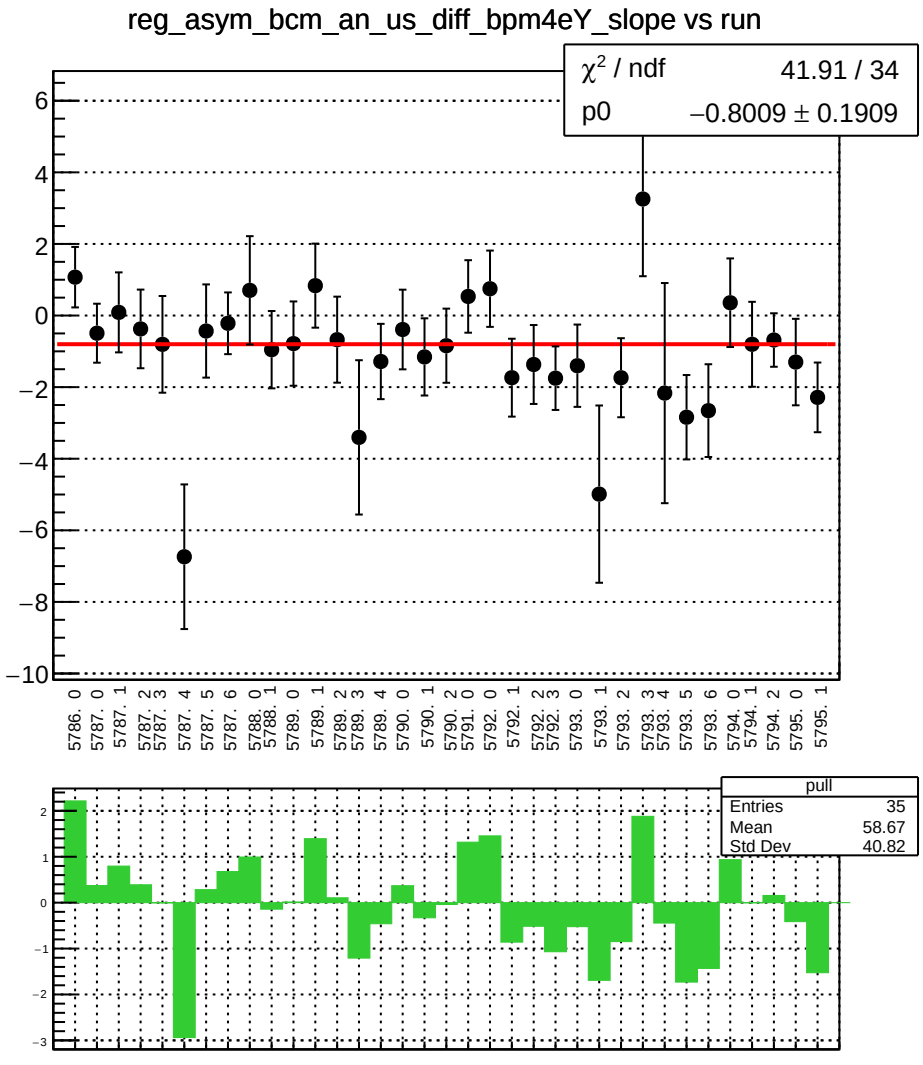

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 49.34 / 34
p0 0.3123 ± 0.01265
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −42.11
Std Dev 59.5
3
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.07197
Std Dev 1.185
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

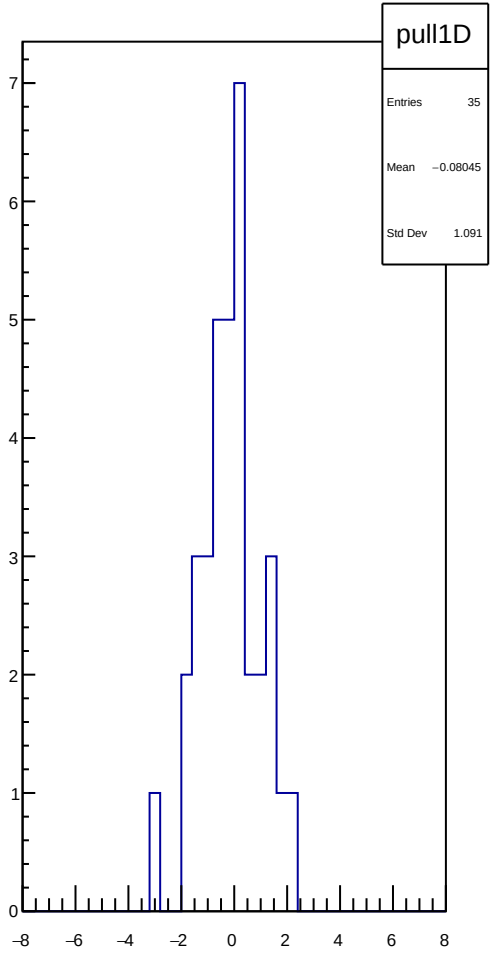

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 38.7 / 34
p0 0.6653 ± 0.2092
pull
Entries 35
Mean −199.5
Std Dev 219.5
pull1D
Entries 35
Mean 0.01545
Std Dev 1.051

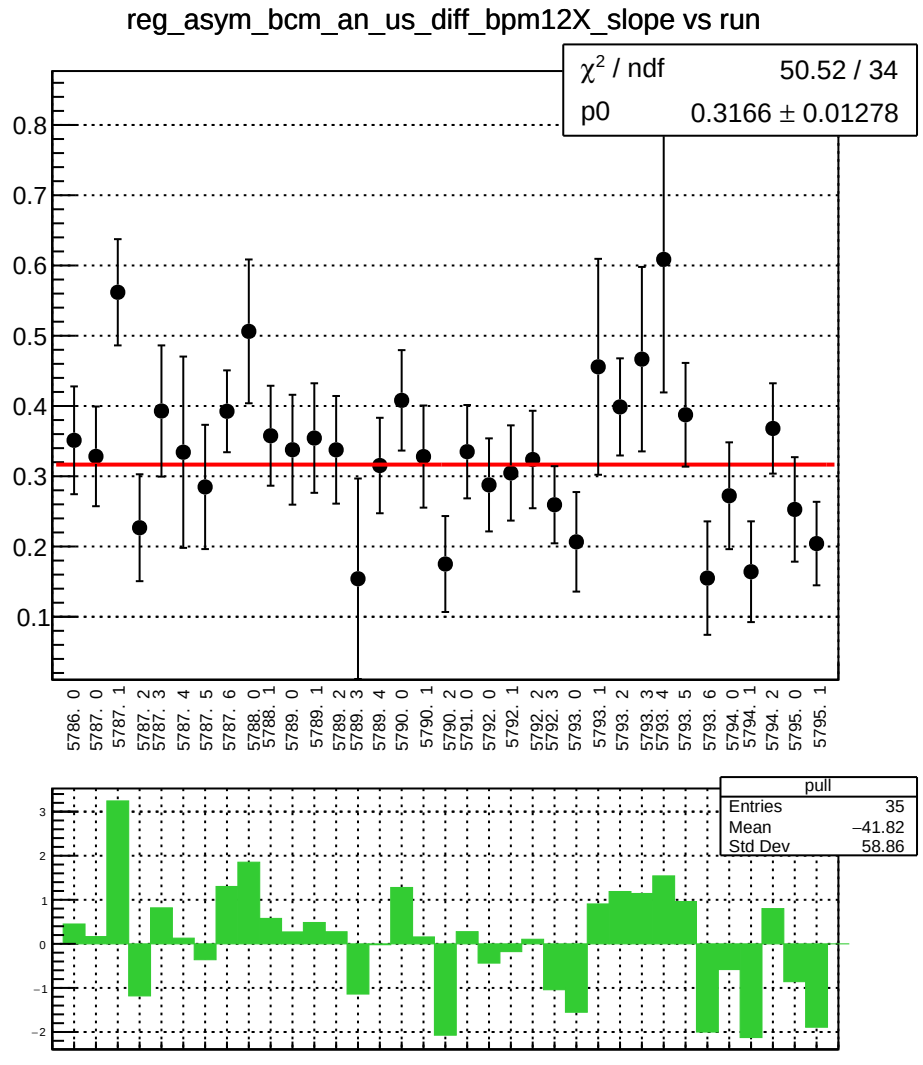

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 40.88 / 34
p0 0.4486 ± 0.1738
pull
Entries 35
Mean 51.41
Std Dev 33.85

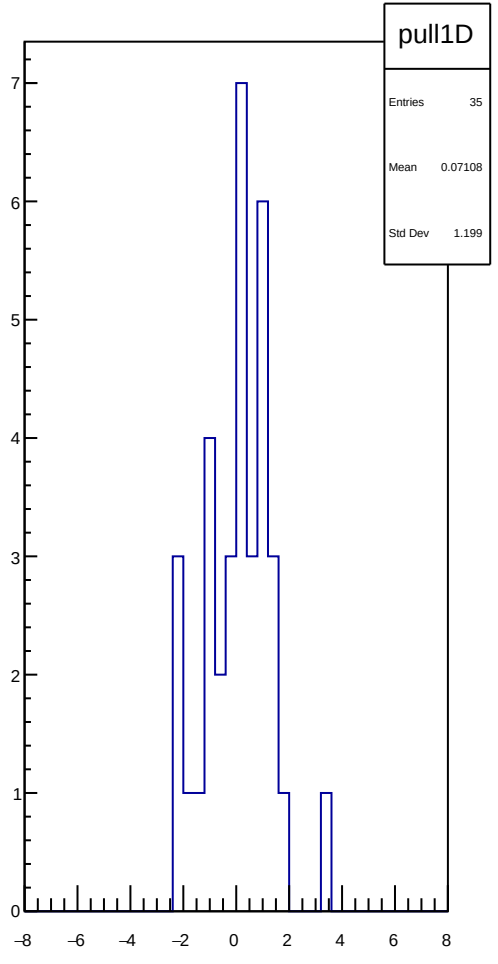

pull1D
Entries 35
Mean 0.08571
Std Dev 1.077

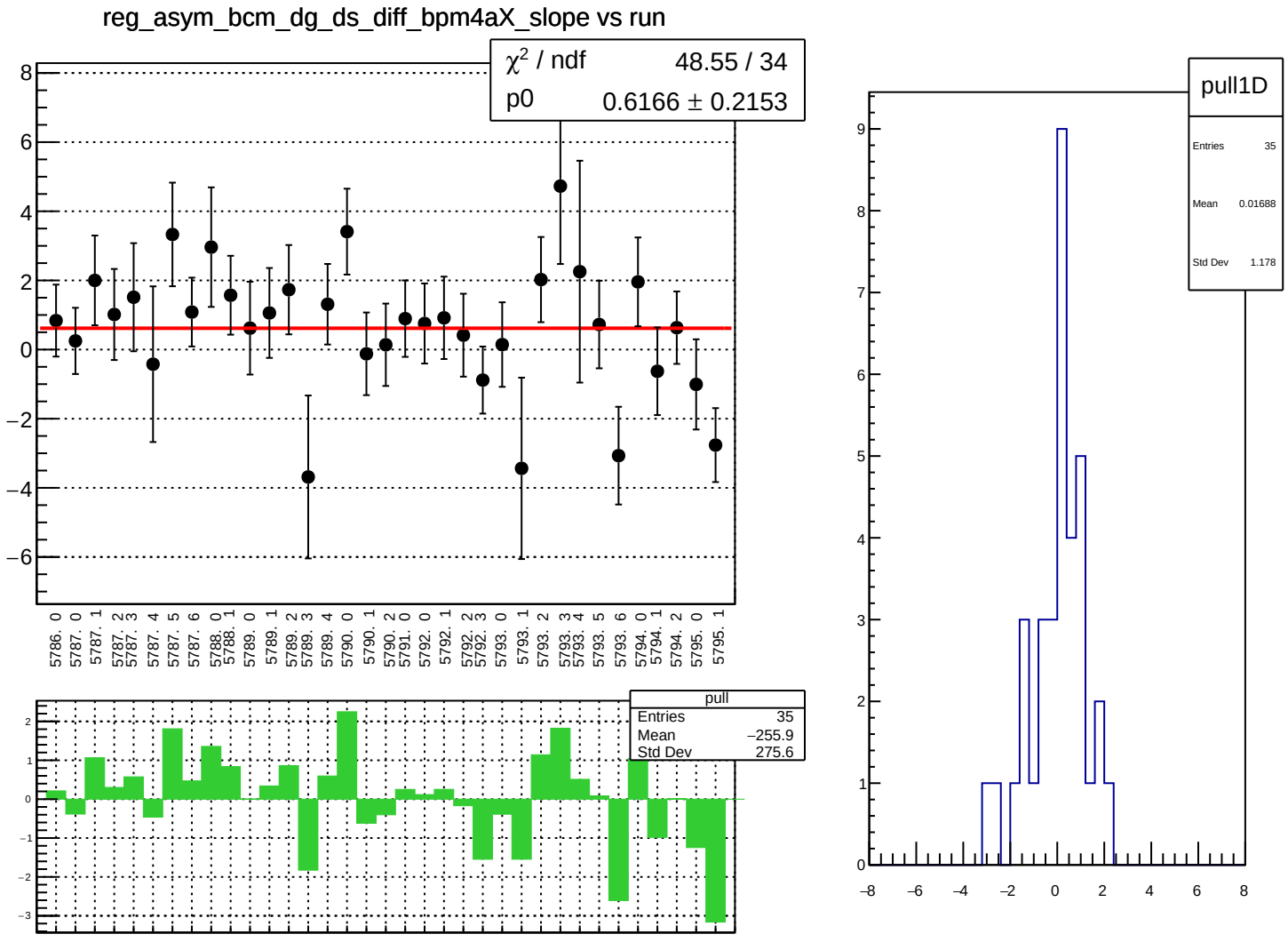

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 39.95 / 34
p0 −0.07467 ± 0.2616
pull
Entries 35
Mean −281.4
Std Dev 301.9
pull1D
Entries 35
Mean −0.009654
Std Dev 1.068

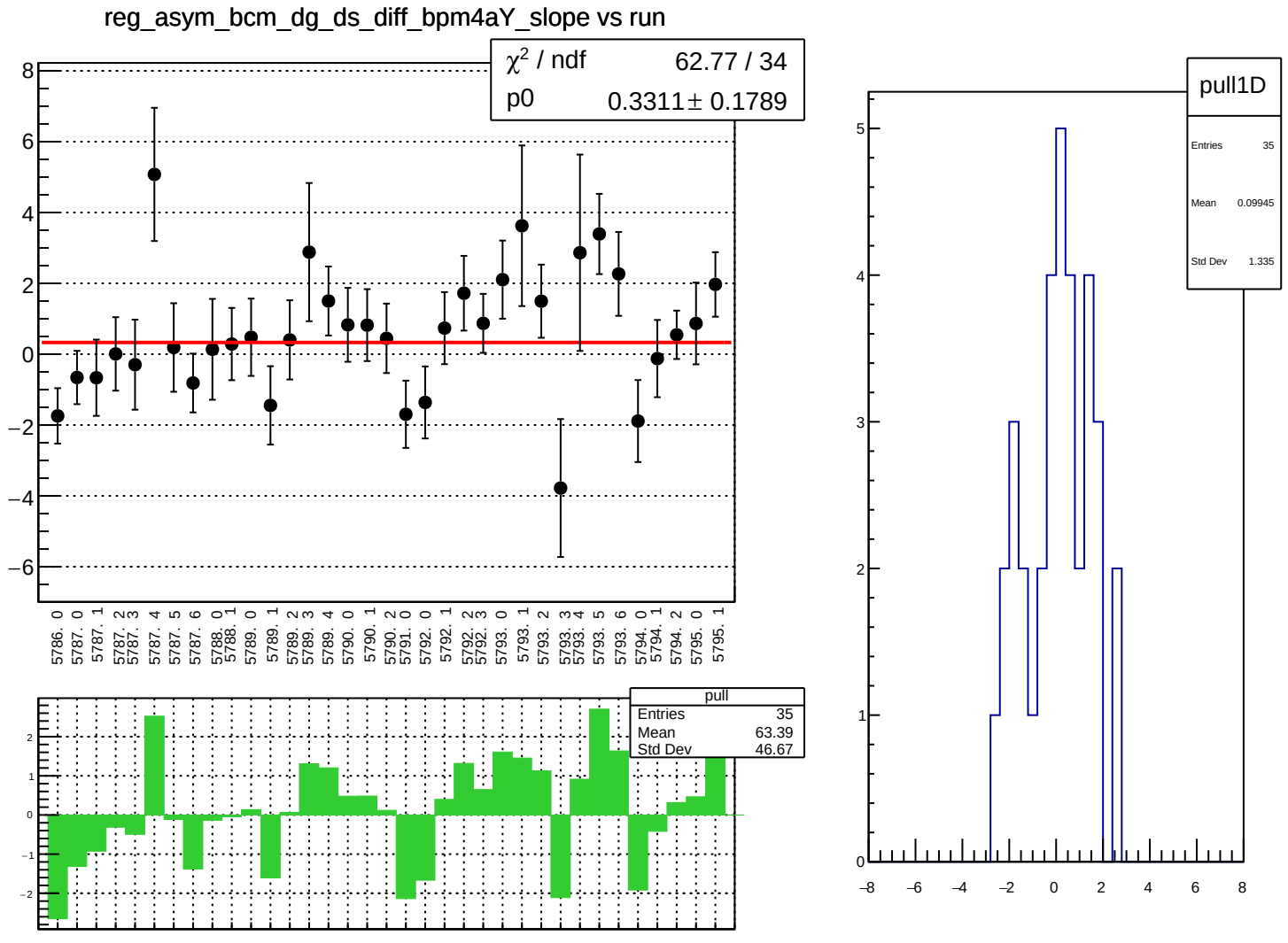

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 41.91 / 34
p0 −0.8009 ± 0.1909
pull
Entries 35
Mean 58.67
Std Dev 40.82

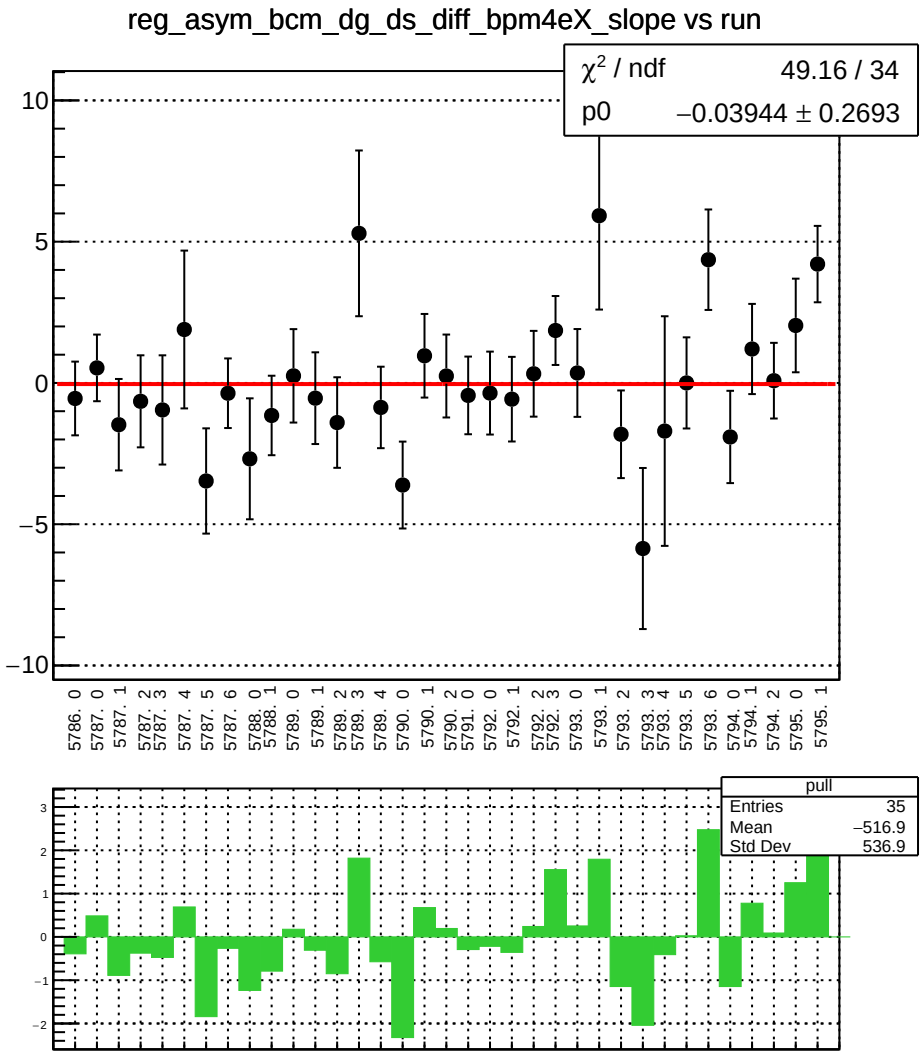

pull1D
Entries 35
Mean −0.08045
Std Dev 1.091

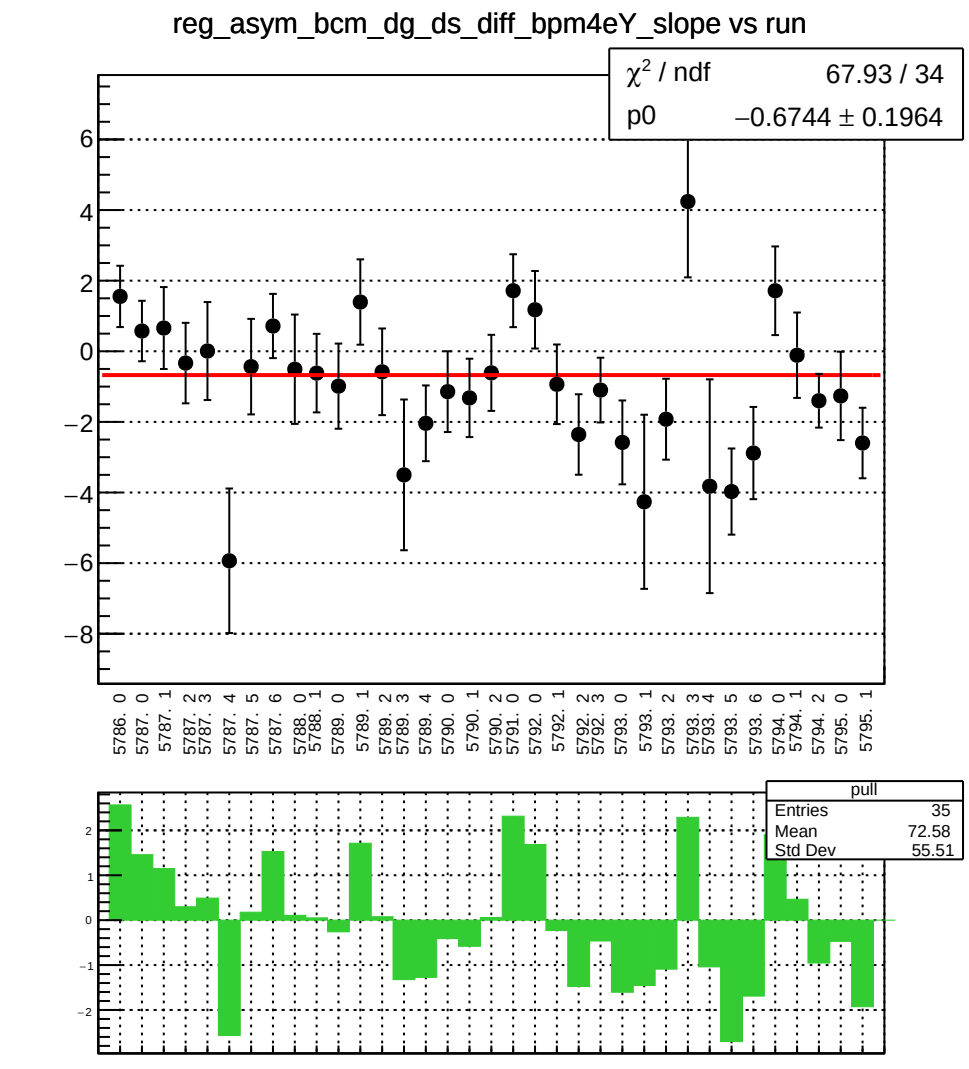

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 50.52 / 34
p0 0.3166 ± 0.01278
pull
Entries 35
Mean −41.82
Std Dev 58.86

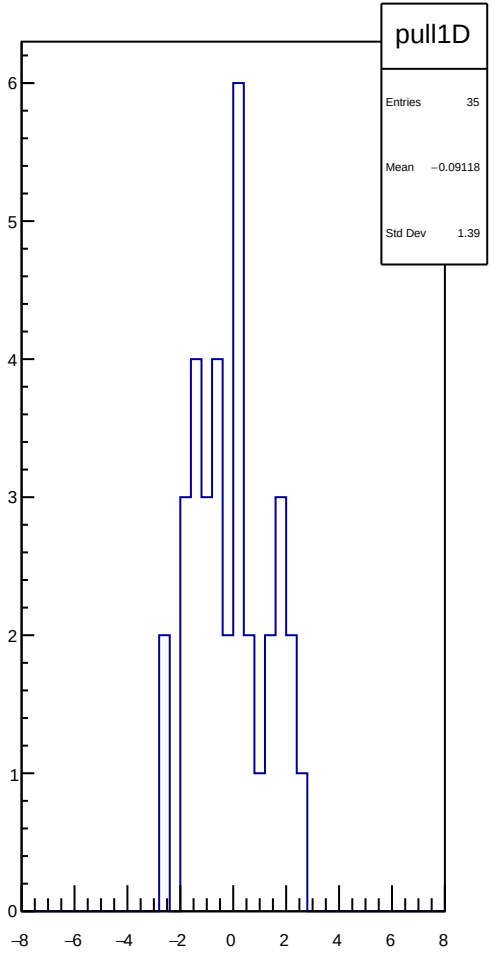

pull1D
Entries 35
Mean 0.07108
Std Dev 1.199

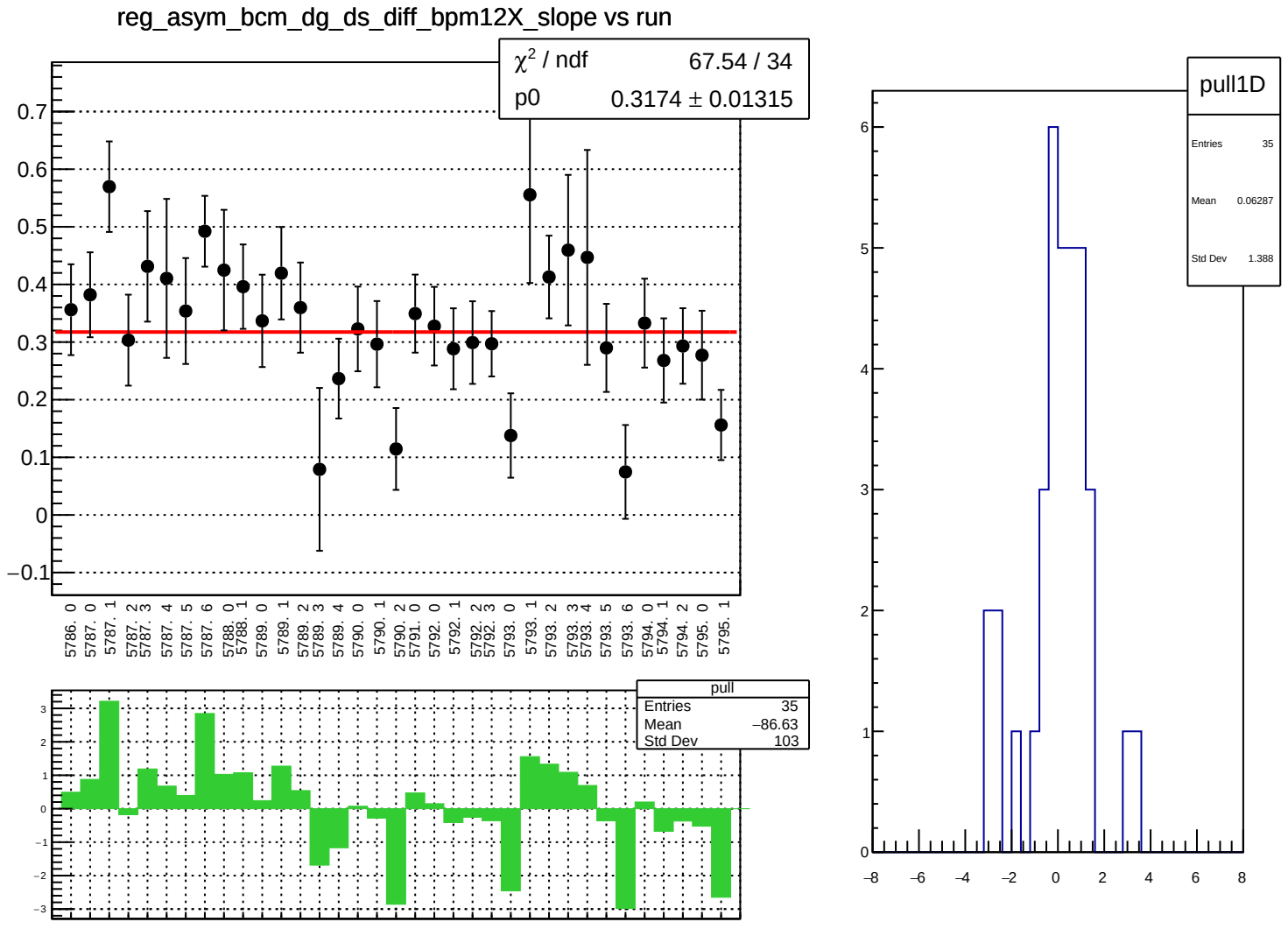

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 48.55 / 34
p0 0.6166 ± 0.2153
pull
Entries 35
Mean −255.9
Std Dev 275.6
pull1D
Entries 35
Mean 0.01688
Std Dev 1.178

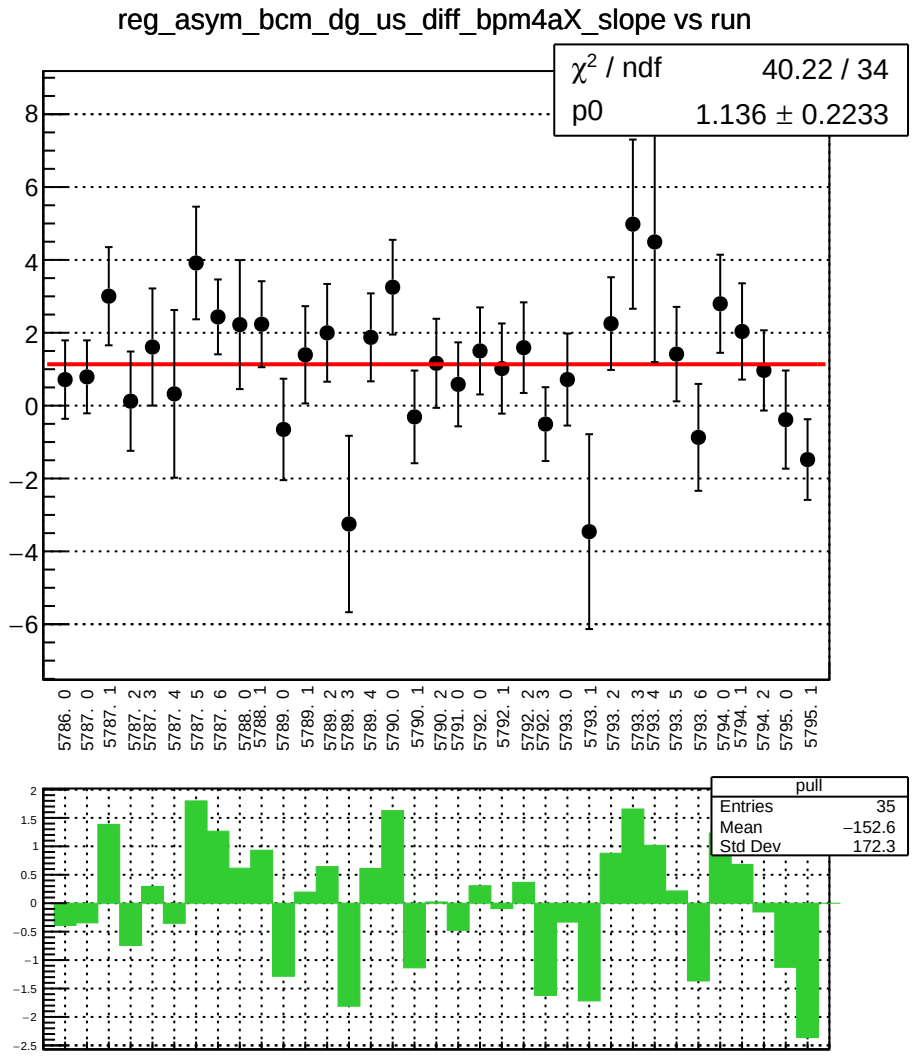

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 62.77 / 34
p0 0.3311 ± 0.1789
8
6
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean 63.39
Std Dev 46.67
2
1
0
−1
−2
pull1D
Entries 35
Mean 0.09945
Std Dev 1.335
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

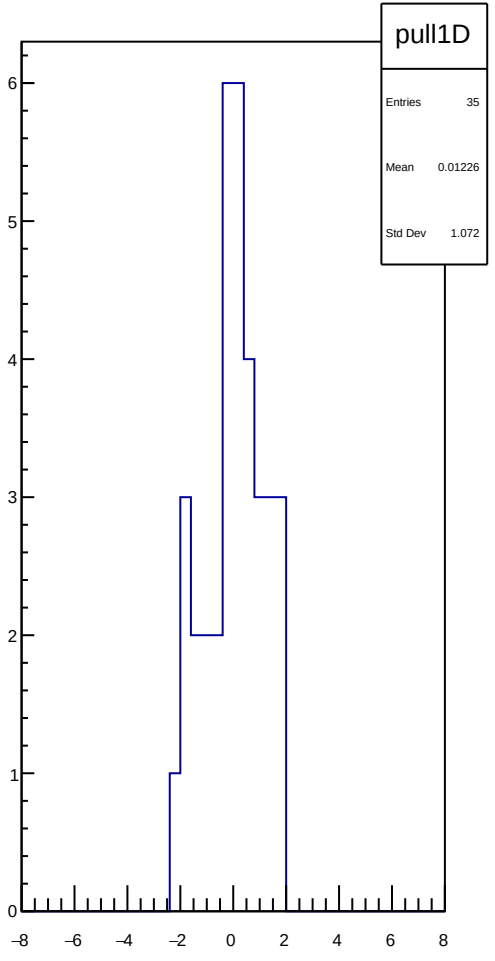

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 49.16 / 34
p0 −0.03944 ± 0.2693
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −516.9
Std Dev 536.9
3
2
1
0
−1
−2
pull1D
Entries 35
Mean −0.007968
Std Dev 1.185
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

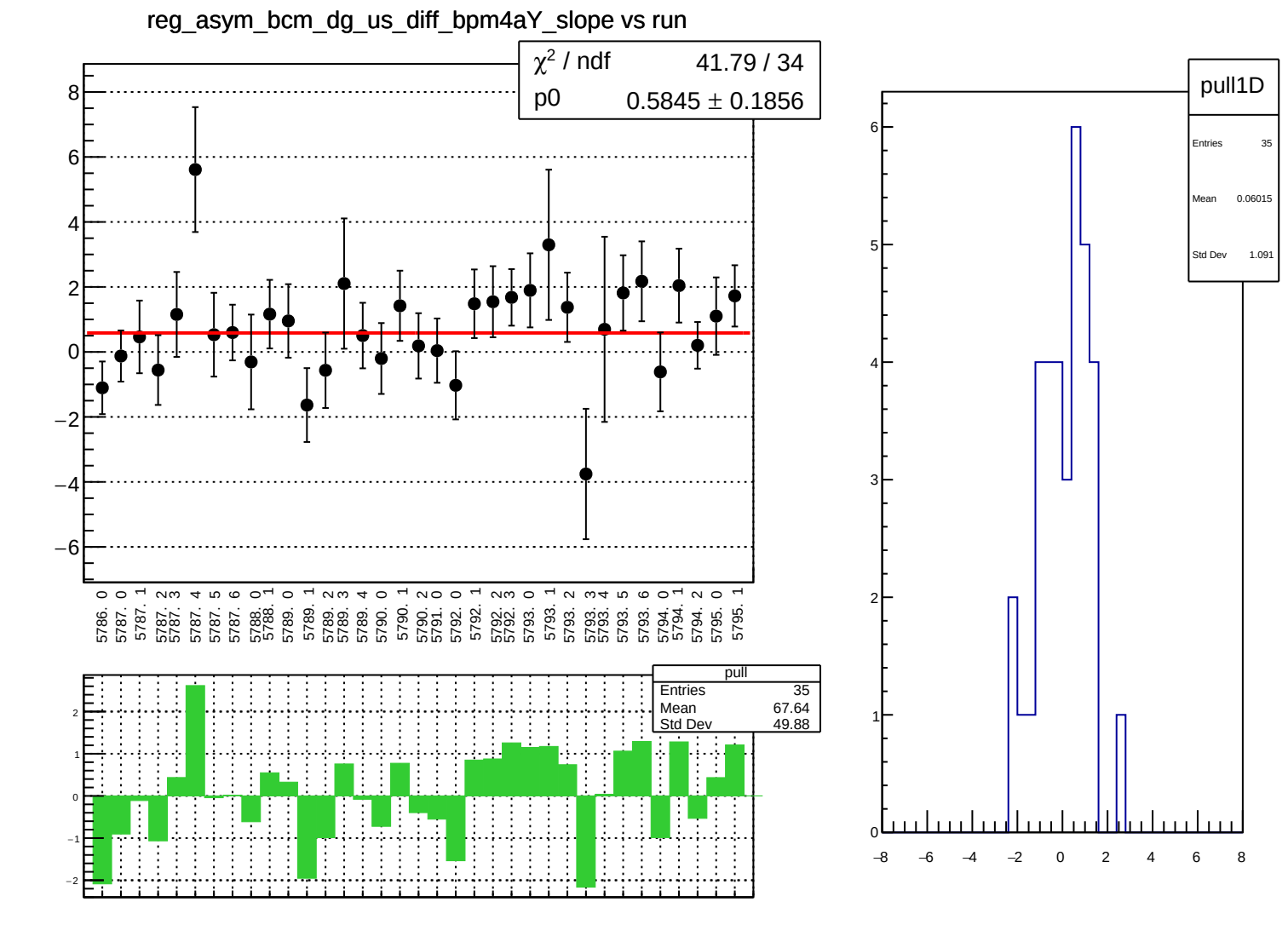

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 67.93 / 34
p0 −0.6744 ± 0.1964
pull
Entries 35
Mean 72.58
Std Dev 55.51

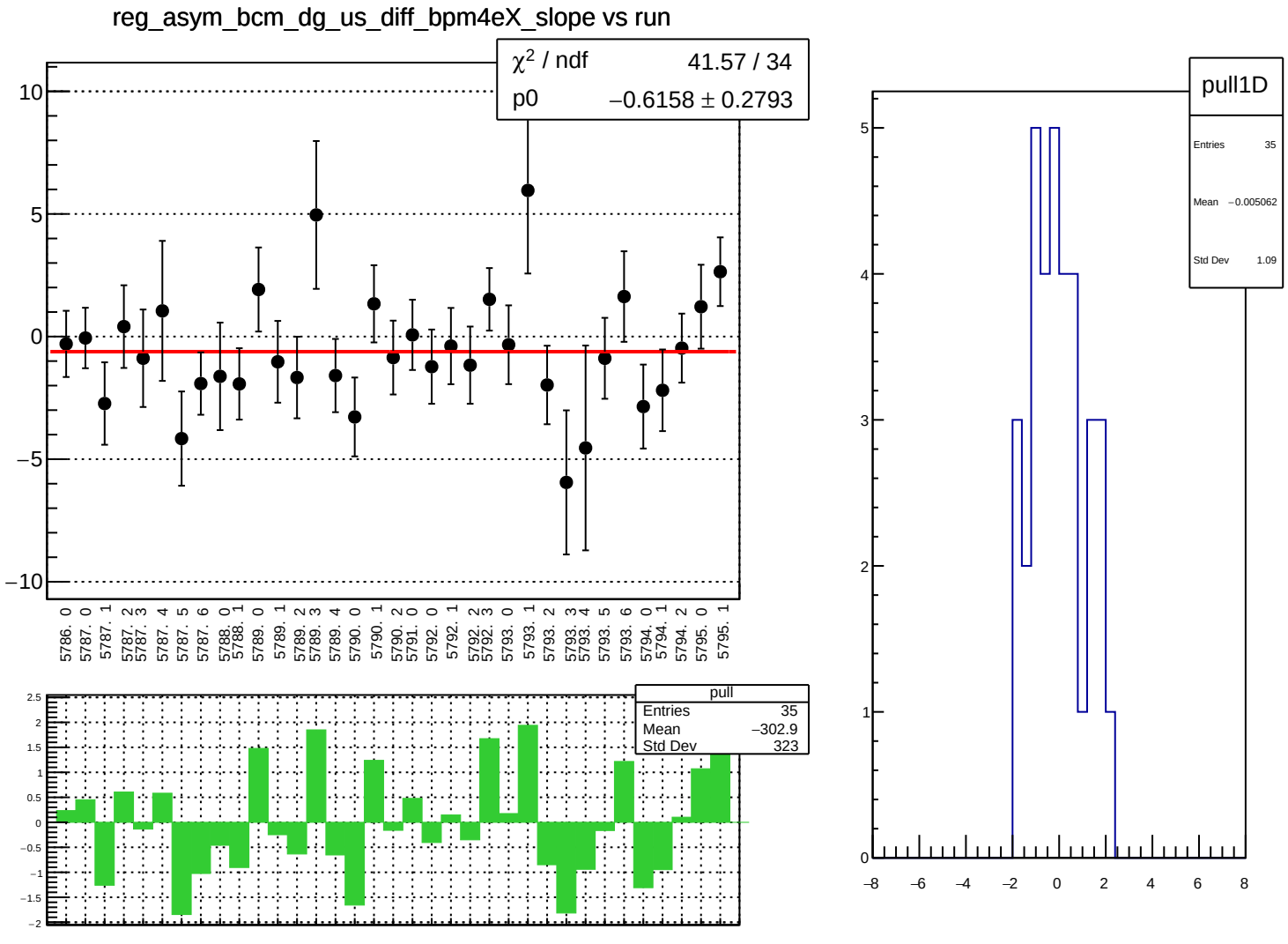

pull1D
Entries 35
Mean −0.09118
Std Dev 1.39

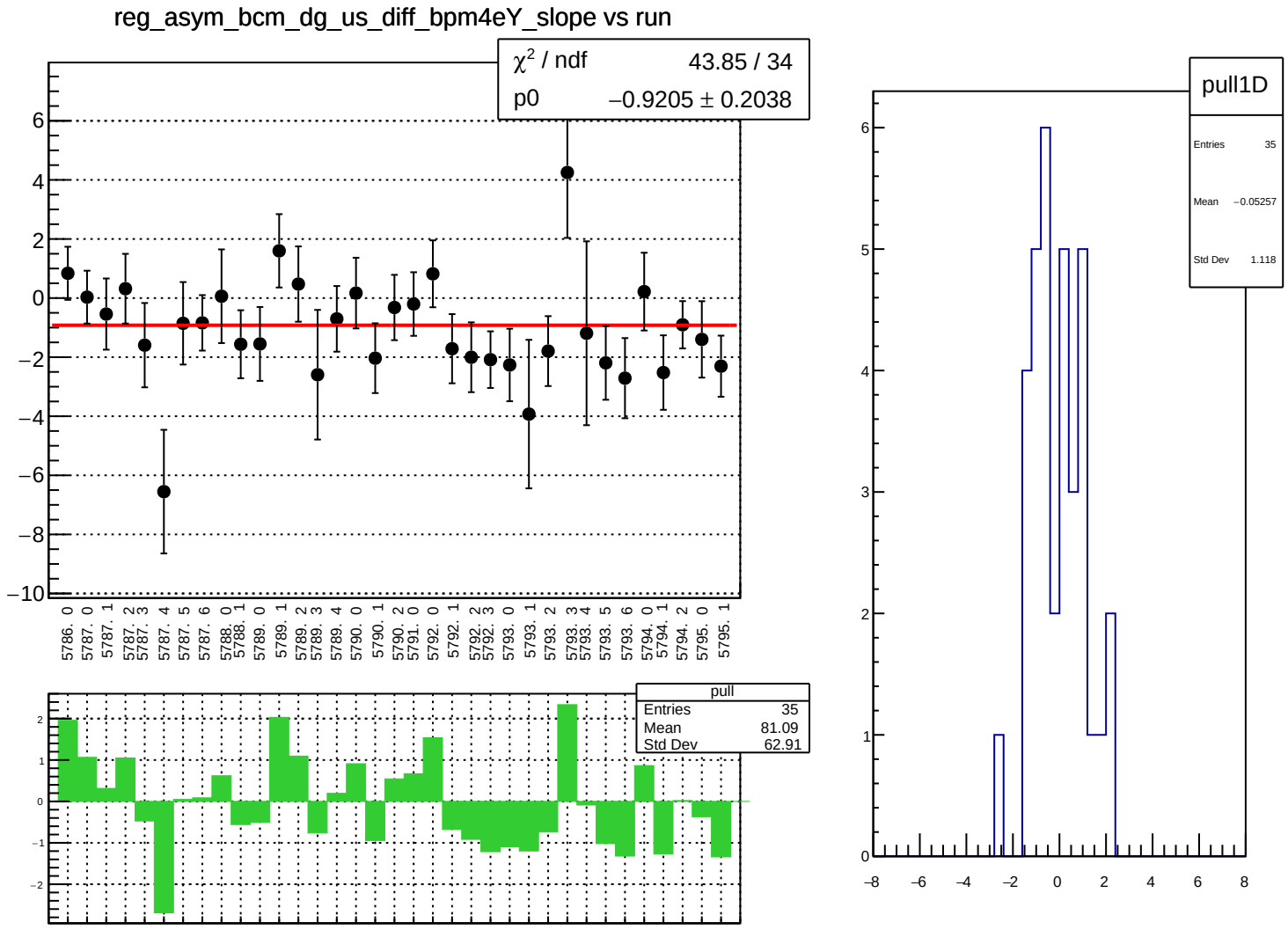

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 67.54 / 34
p0 0.3174 ± 0.01315
pull
Entries 35
Mean −86.63
Std Dev 103
pull1D
Entries 35
Mean 0.06287
Std Dev 1.388

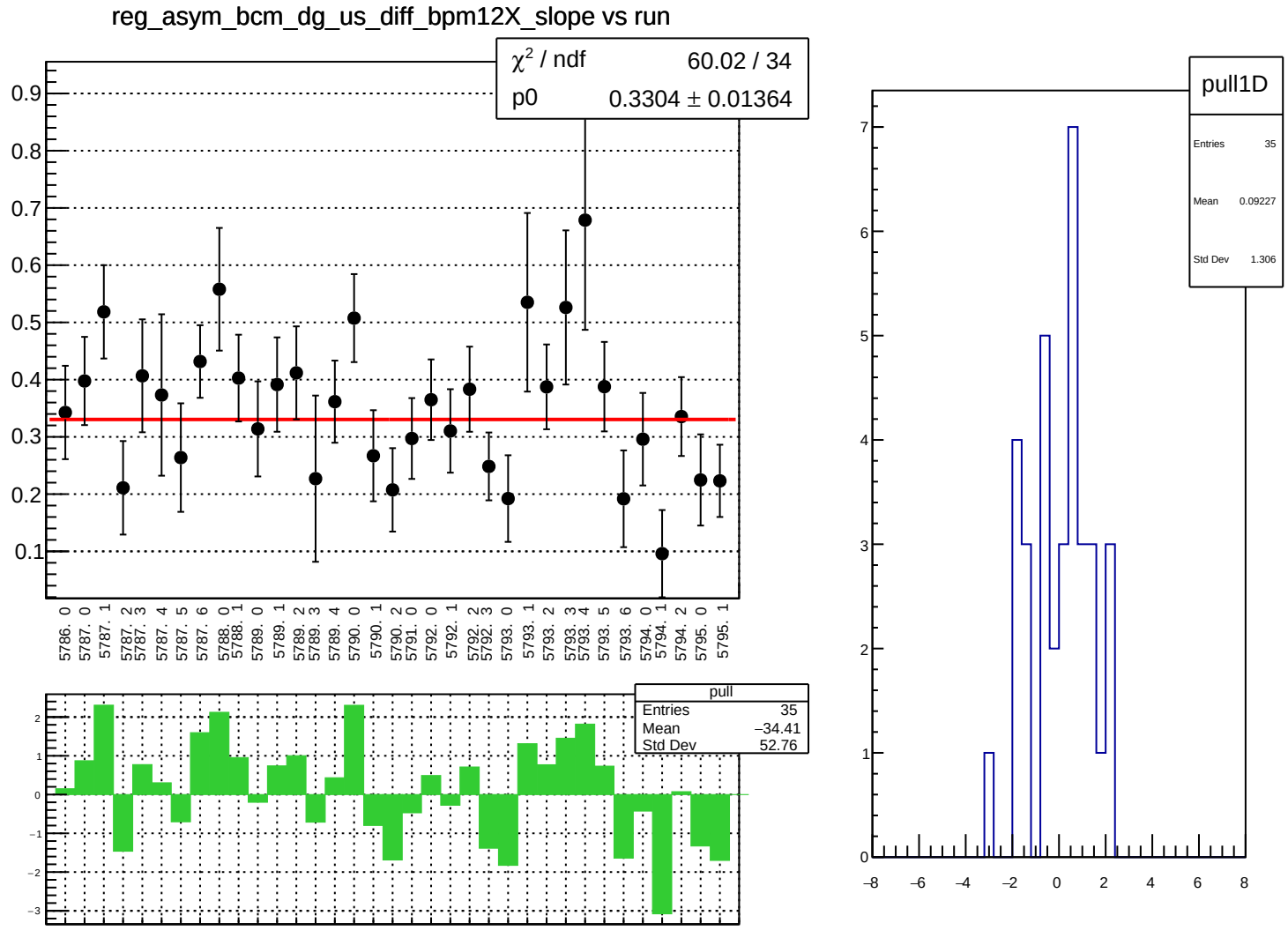

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 40.22 / 34
p0 1.136 ± 0.2233
pull
Entries 35
Mean −152.6
Std Dev 172.3


pull1D
Entries 35
Mean 0.01226
Std Dev 1.072


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 41.79 / 34
p0 0.5845 ± 0.1856
pull
Entries 35
Mean 67.64
Std Dev 49.88
pull1D
Entries 35
Mean 0.06015
Std Dev 1.091


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 41.57 / 34
p0 −0.6158 ± 0.2793
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −302.9
Std Dev 323
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 35
Mean −0.005062
Std Dev 1.09
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 43.85 / 34
p0 −0.9205 ± 0.2038
pull
Entries 35
Mean 81.09
Std Dev 62.91
pull1D
Entries 35
Mean −0.05257
Std Dev 1.118


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 60.02 / 34
p0 0.3304 ± 0.01364
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 35
Mean −34.41
Std Dev 52.76
2
1
0
−1
−2
−3
pull1D
Entries 35
Mean 0.09227
Std Dev 1.306
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8