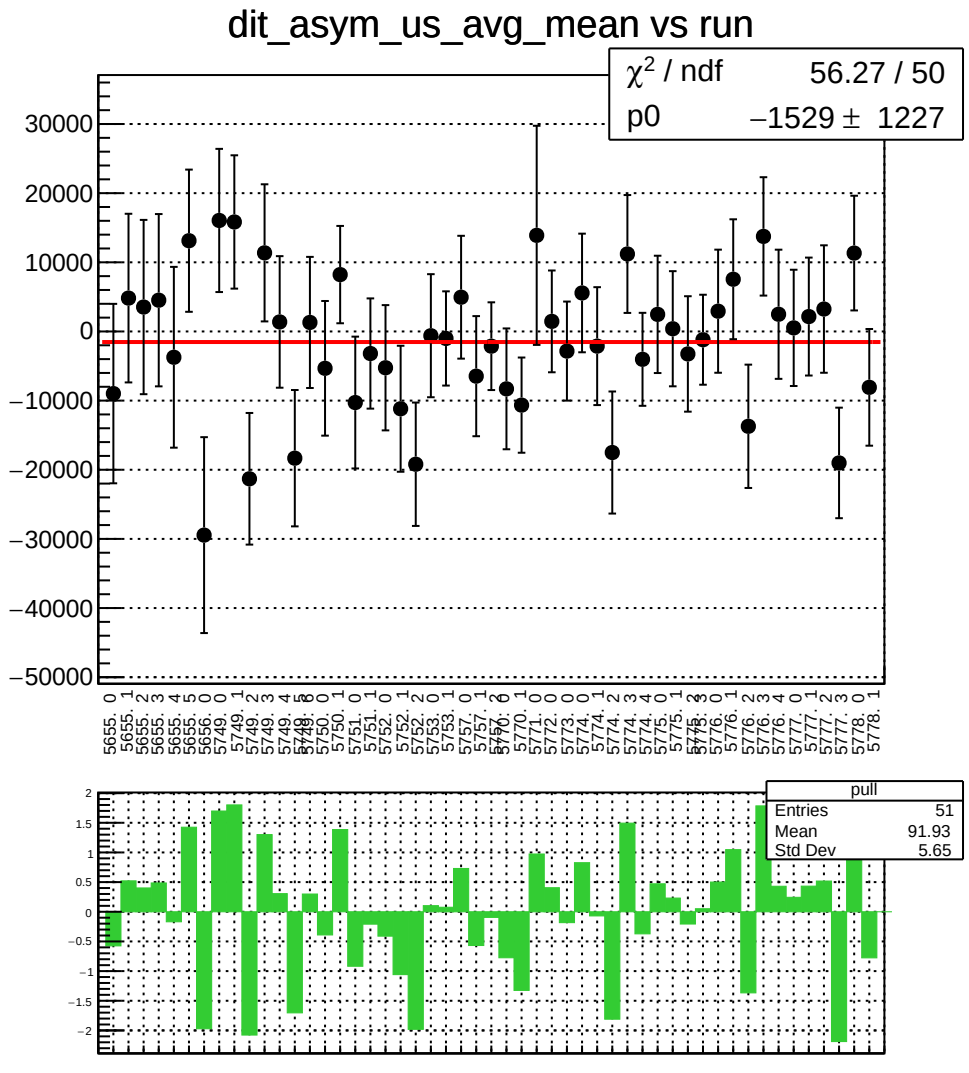
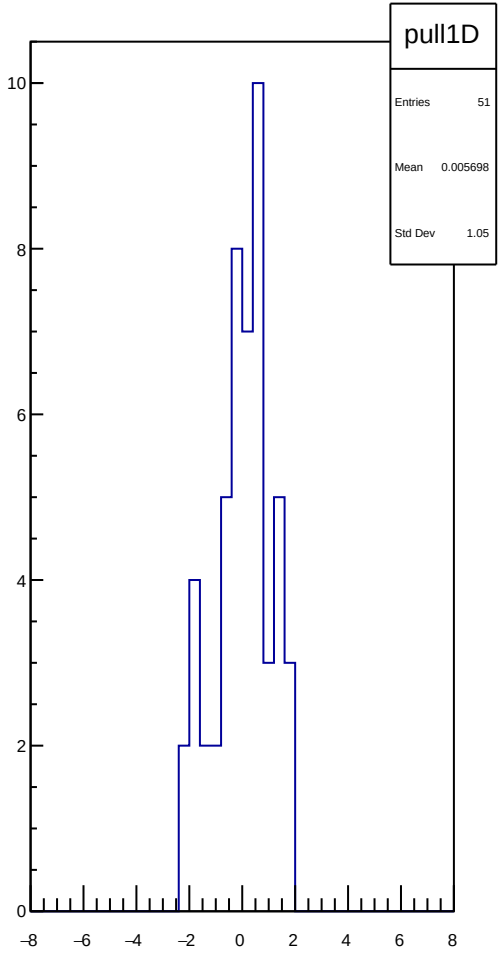
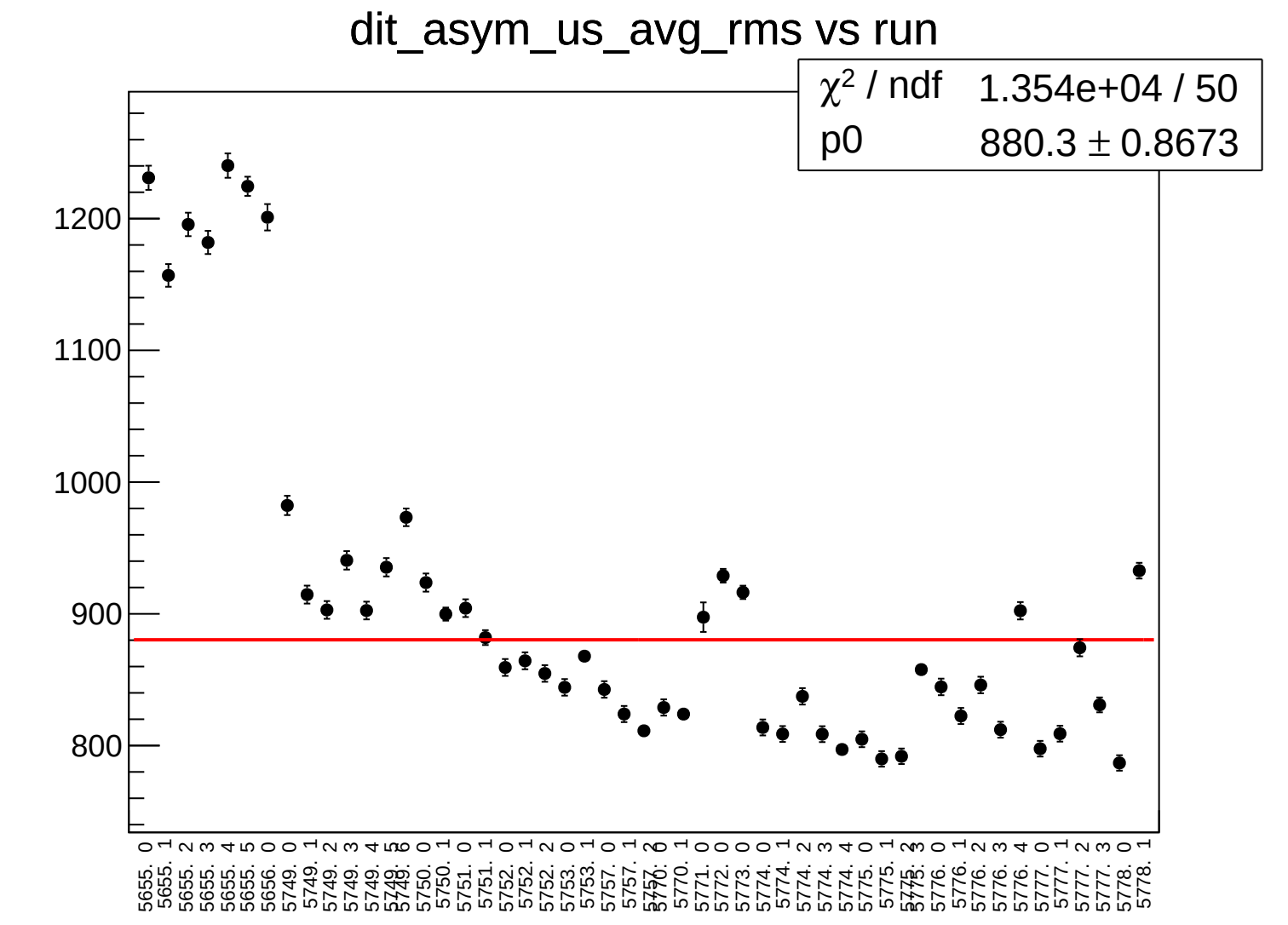
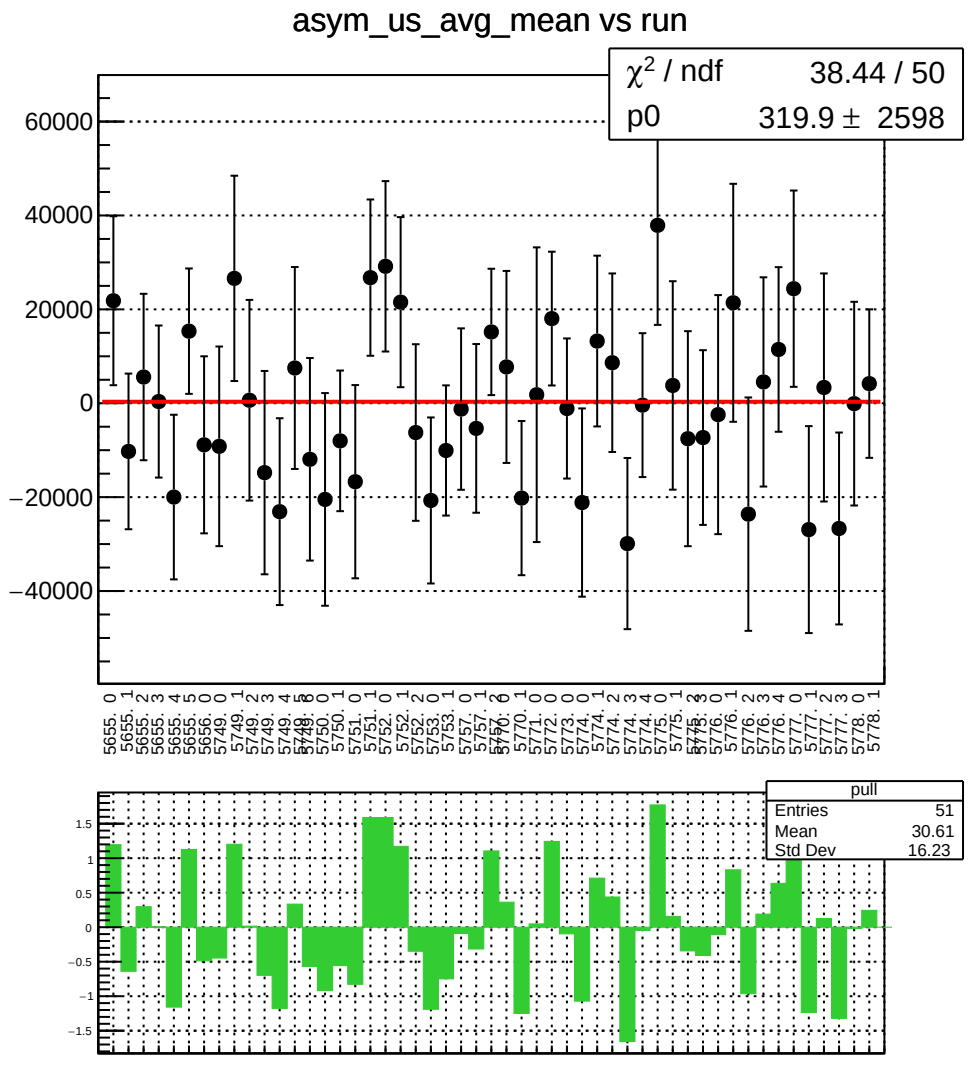
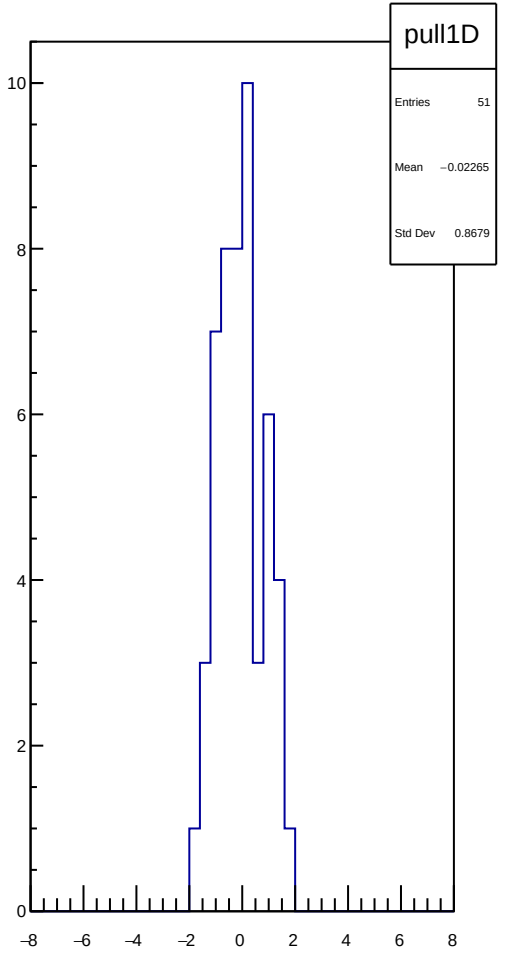
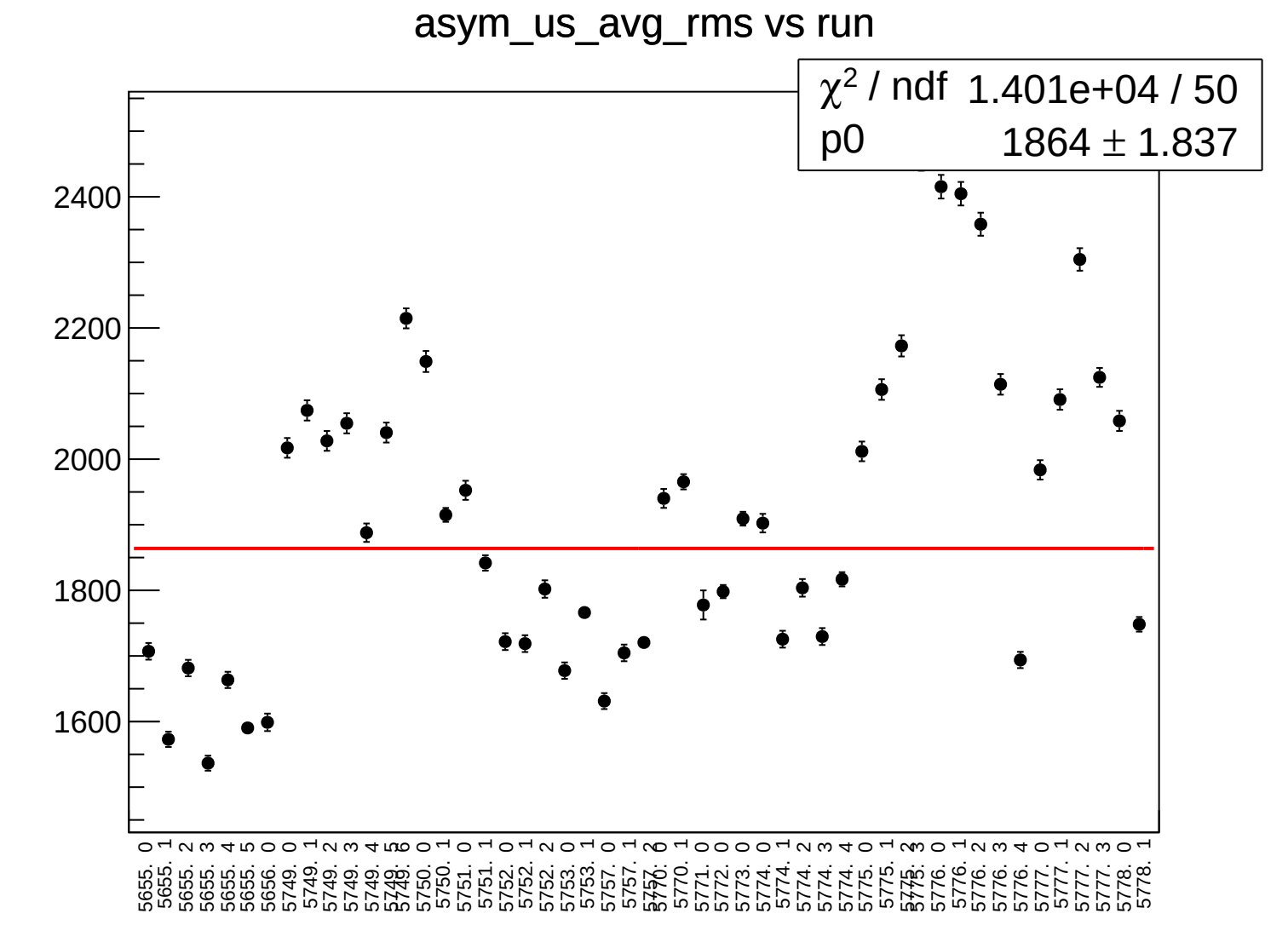

dit_asym_us_avg_mean vs run
χ² / ndf 56.27 / 50
p0 −1529 ± 1227
pull
Entries 51
Mean 91.93
Std Dev 5.65

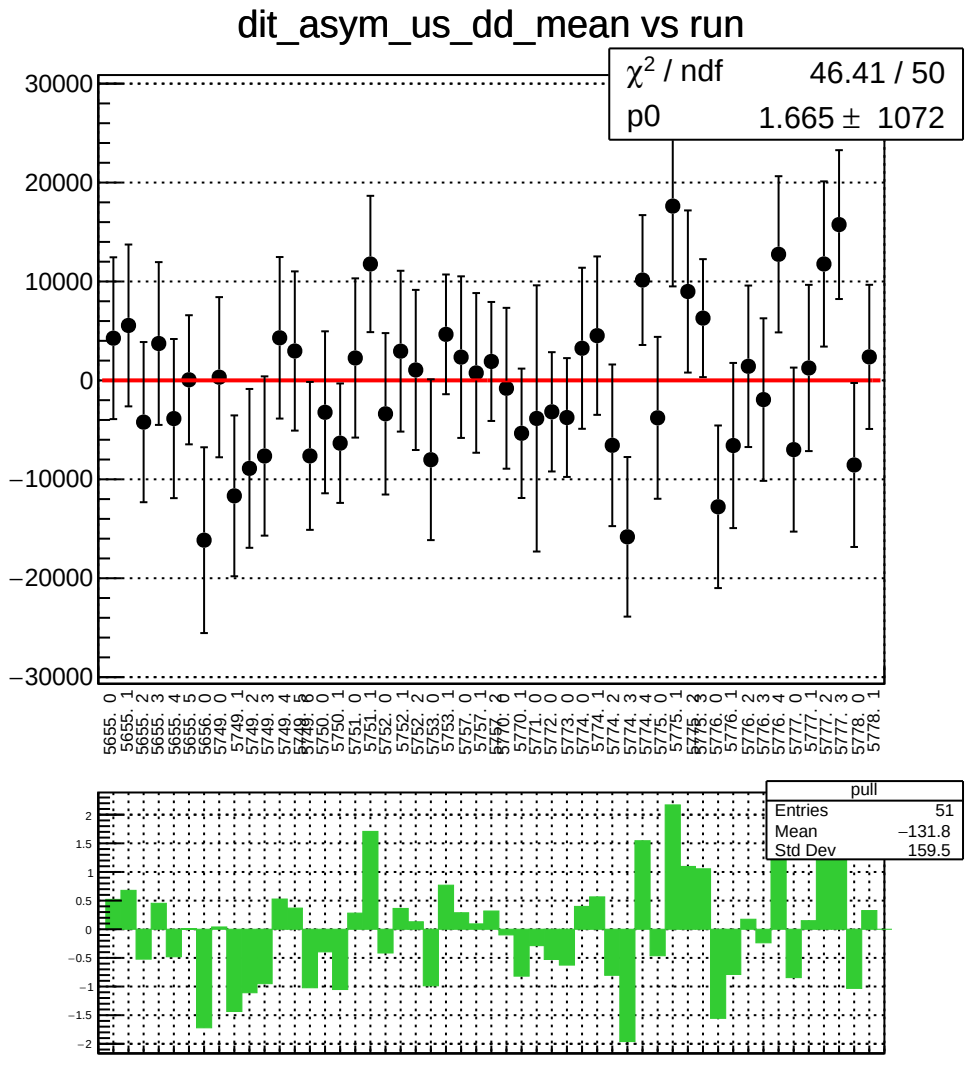

pull1D
Entries 51
Mean 0.005698
Std Dev 1.05

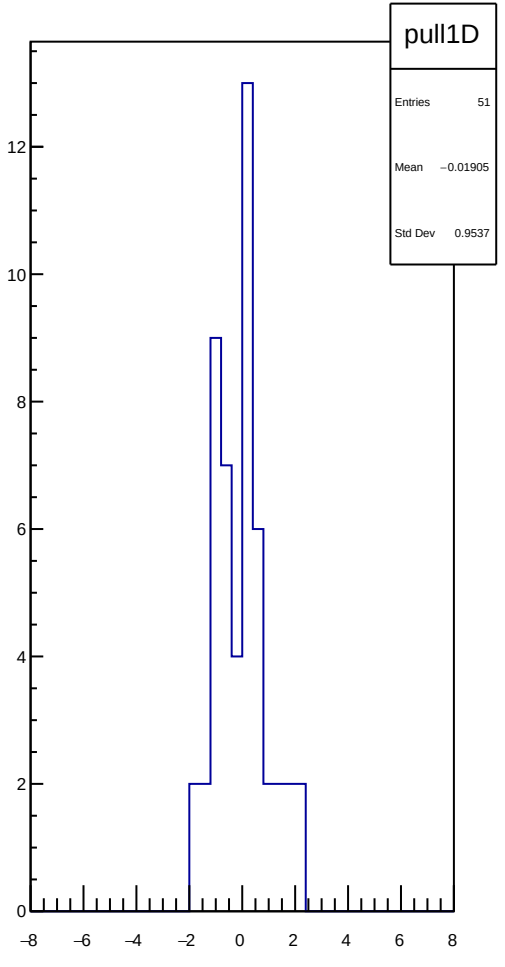

dit_asym_us_avg_rms vs run
χ² / ndf 1.354e+04 / 50
p0 880.3 ± 0.8673
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

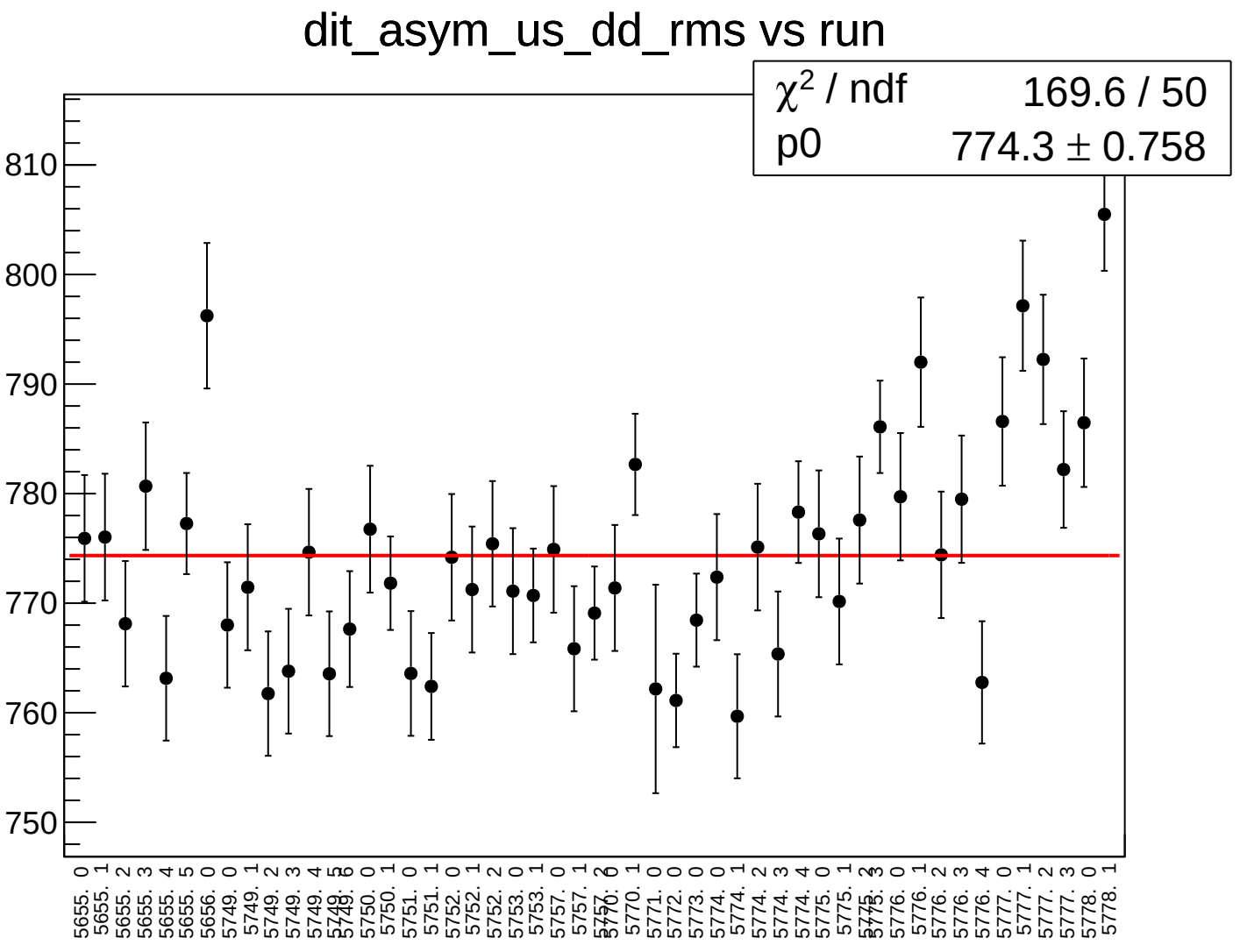

asym_us_avg_mean vs run
χ² / ndf 38.44 / 50
p0 319.9 ± 2598
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 30.61
Std Dev 16.23
1.5
1
0.5
0
−0.5
−1
−1.5

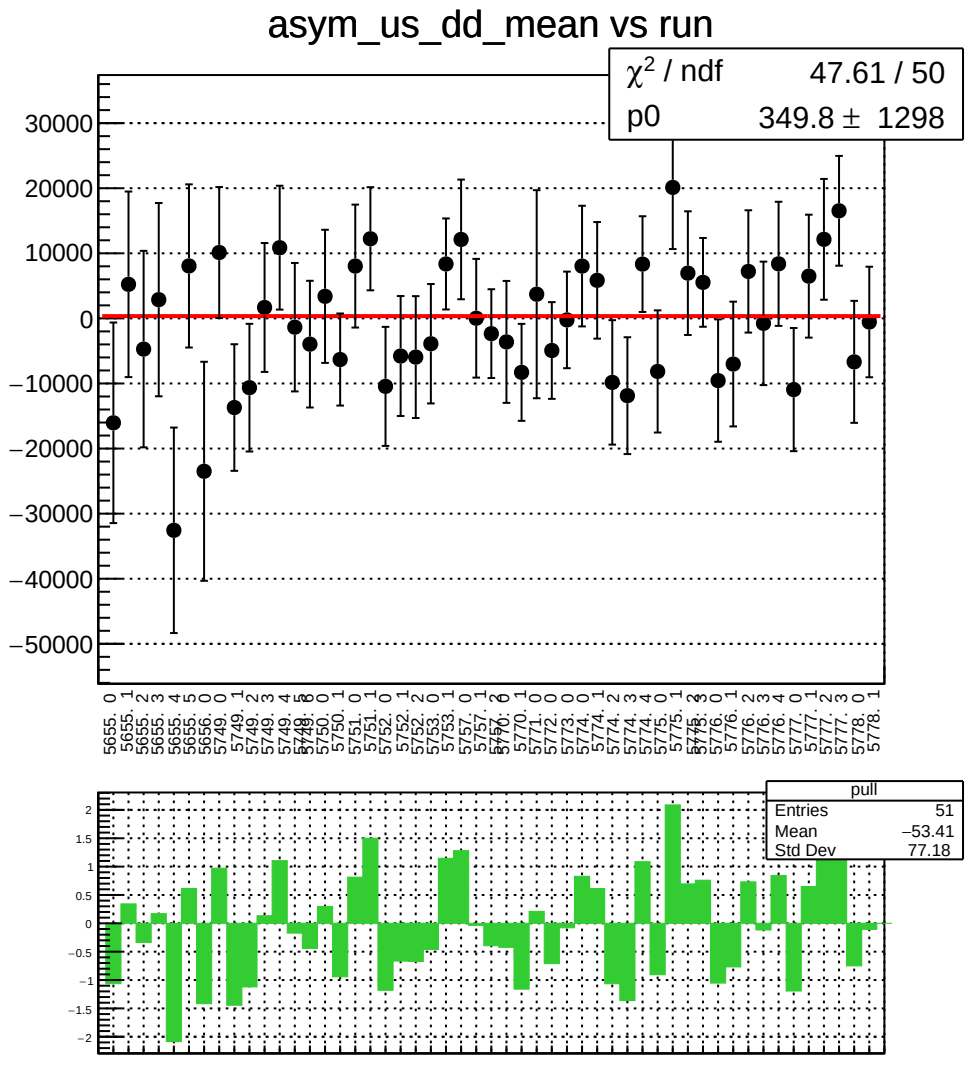

pull1D
Entries 51
Mean −0.02265
Std Dev 0.8679
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

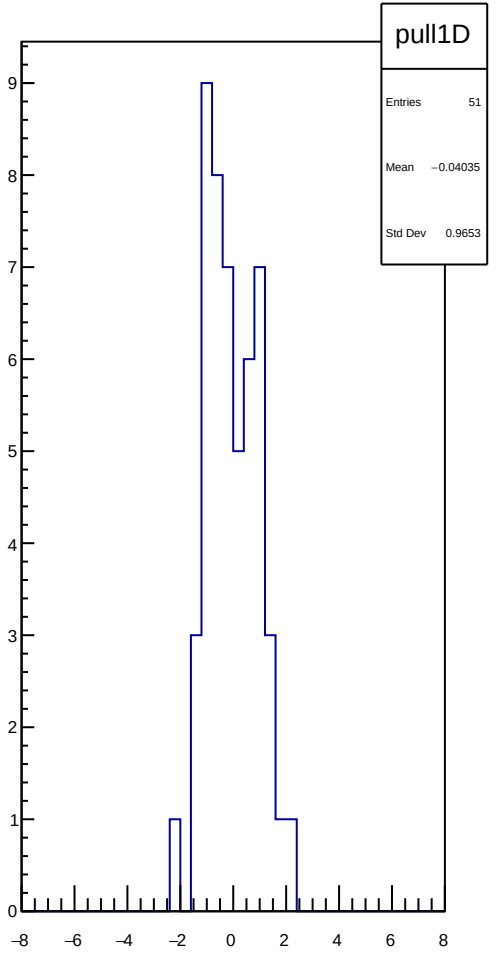

asym_us_avg_rms vs run
χ² / ndf 1.401e+04 / 50
p0 1864 ± 1.837
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

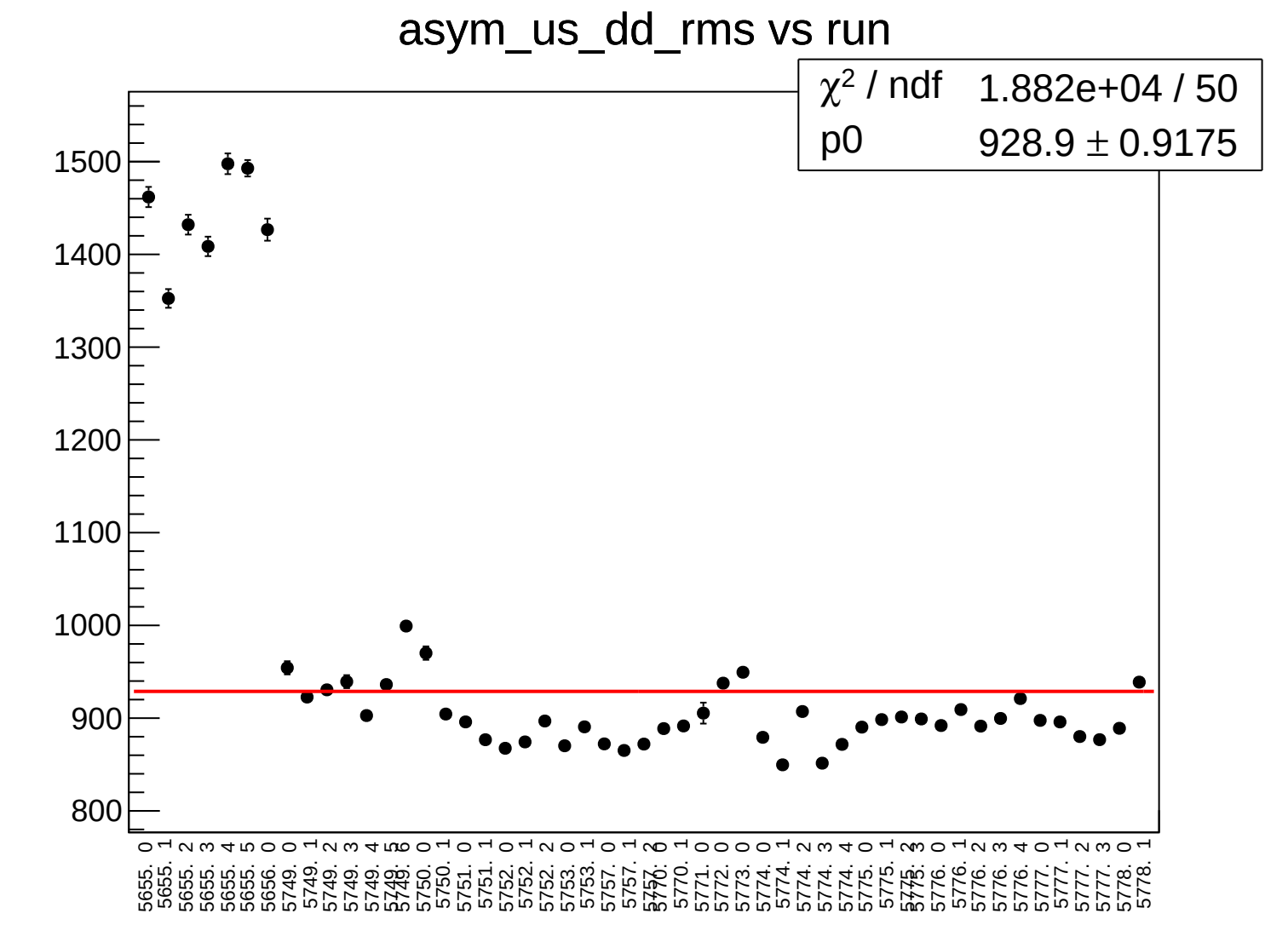

dit_asym_us_dd_mean vs run
χ² / ndf 46.41 / 50
p0 1.665 ± 1072
pull
Entries 51
Mean −131.8
Std Dev 159.5

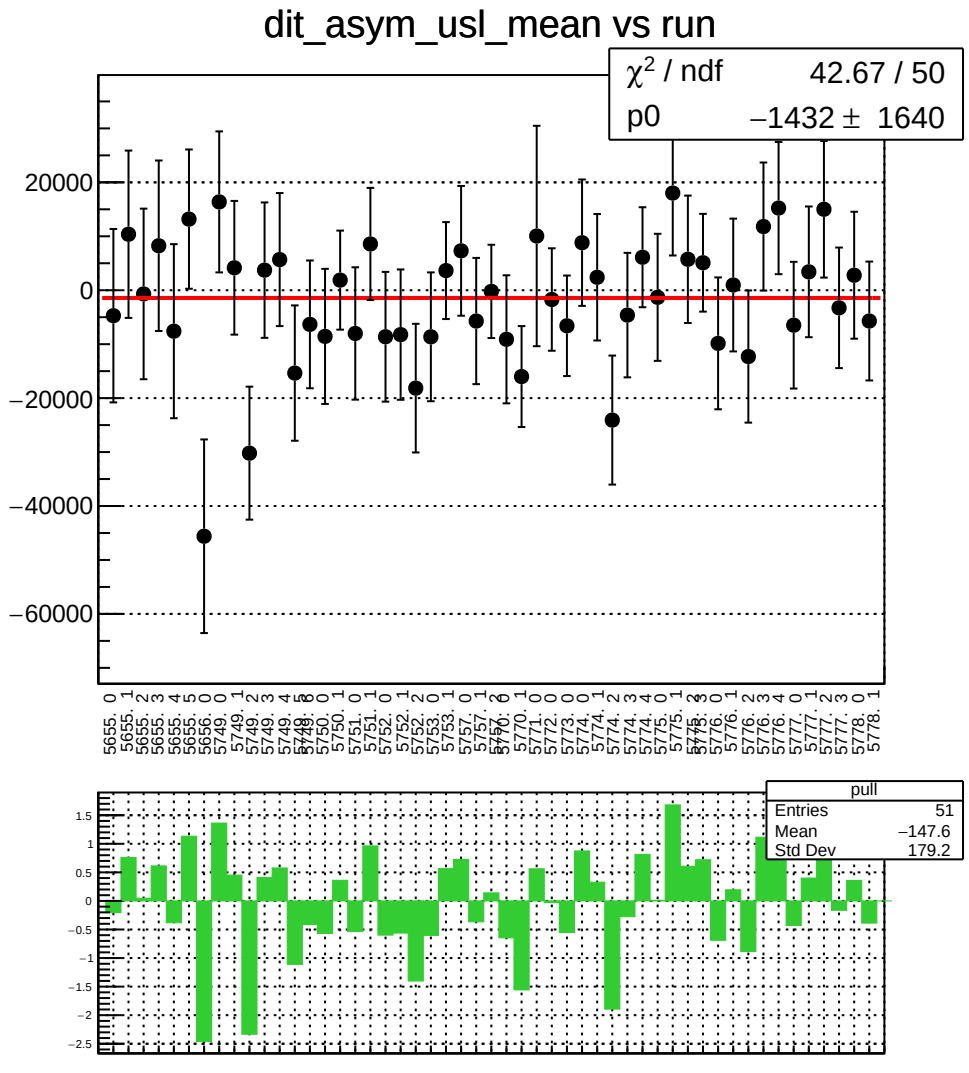

pull1D
Entries 51
Mean −0.01905
Std Dev 0.9537

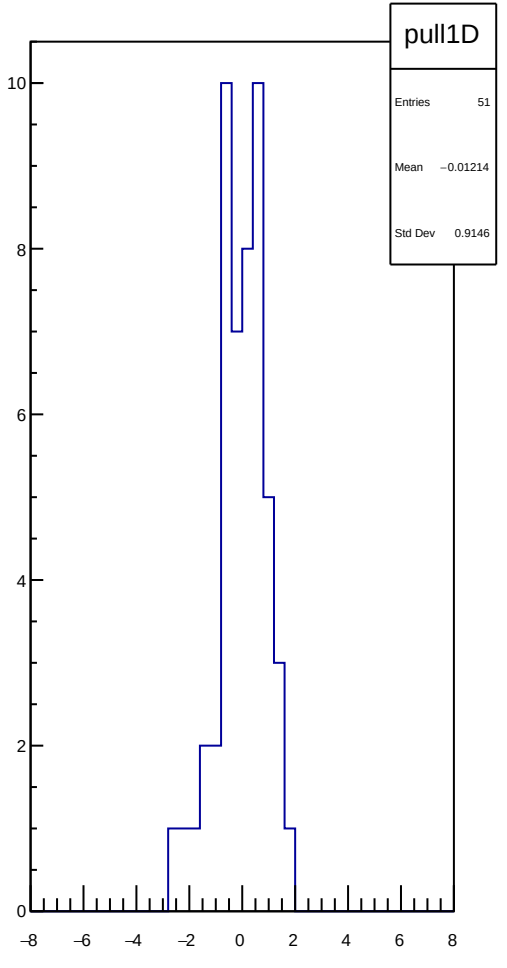

dit_asym_us_dd_rms vs run
χ² / ndf 169.6 / 50
p0 774.3 ± 0.758
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

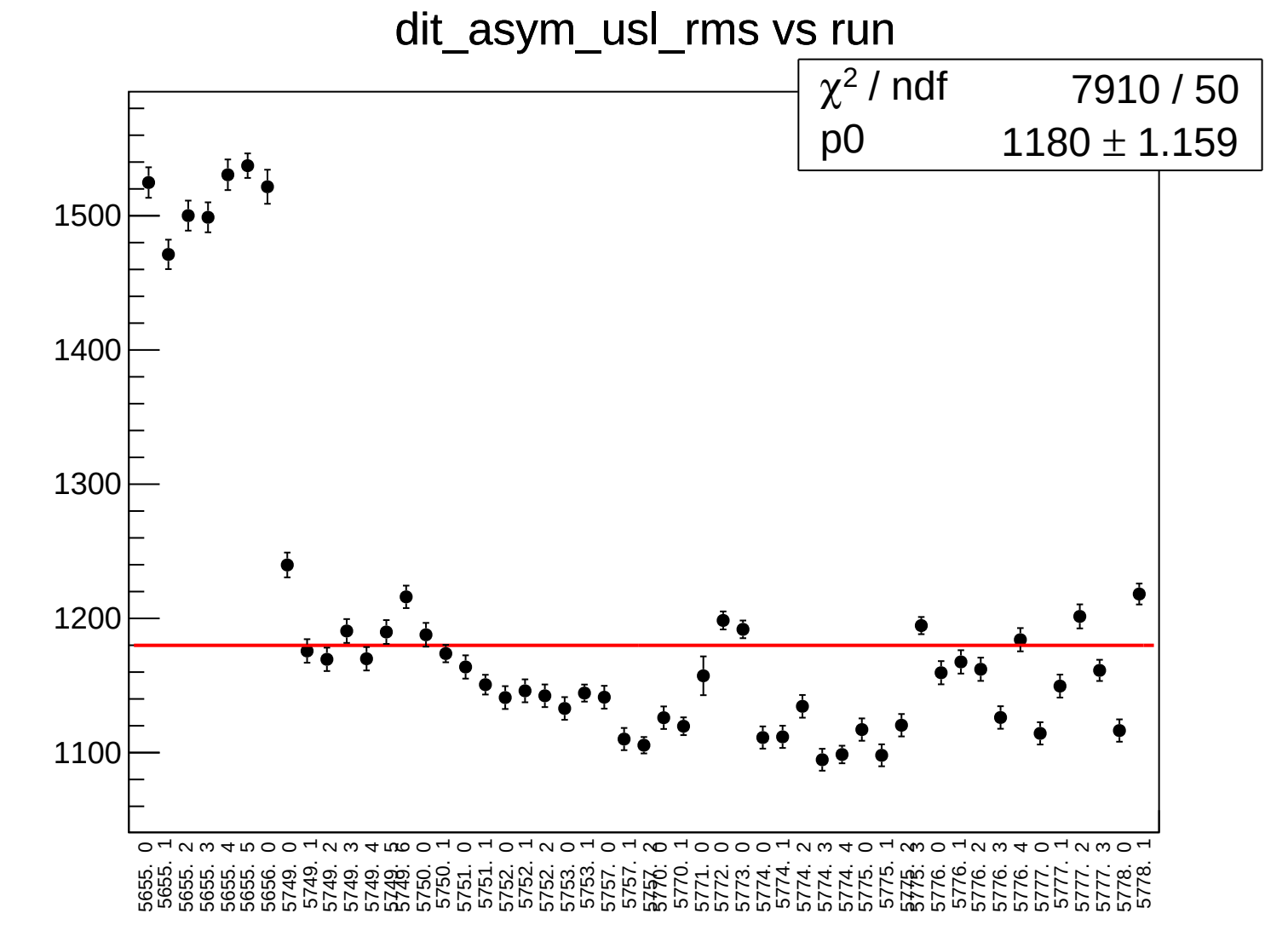

asym_us_dd_mean vs run
χ² / ndf 47.61 / 50
p0 349.8 ± 1298
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 51
Mean −53.41
Std Dev 77.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

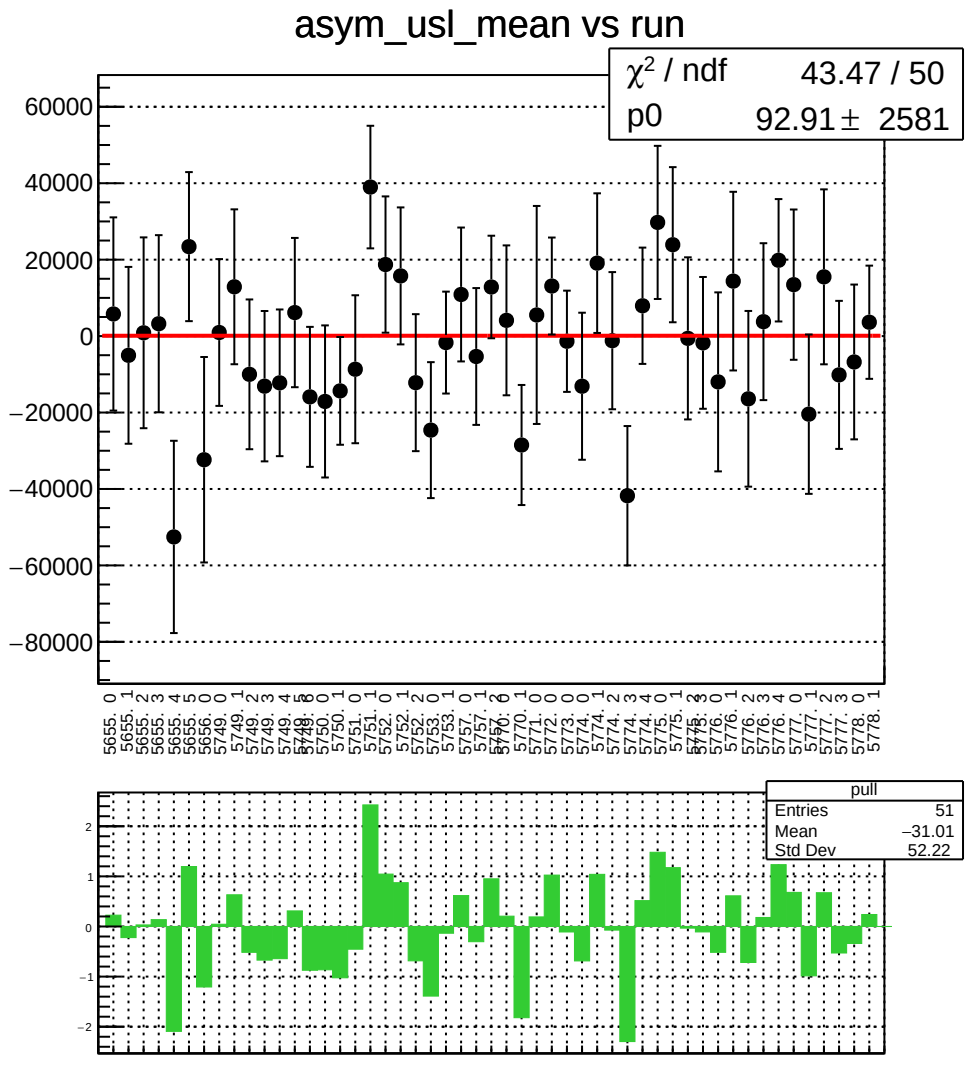

pull1D
Entries 51
Mean −0.04035
Std Dev 0.9653
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

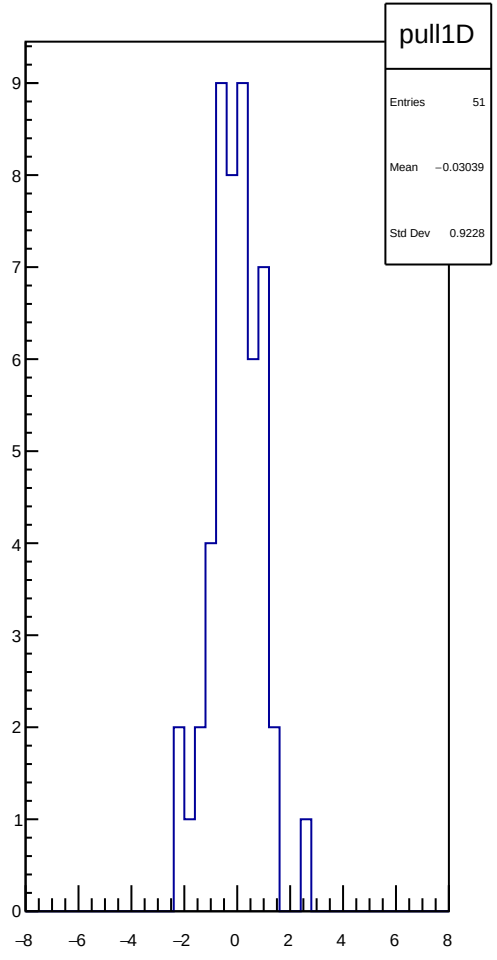

asym_us_dd_rms vs run
χ² / ndf 1.882e+04 / 50
p0 928.9 ± 0.9175
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

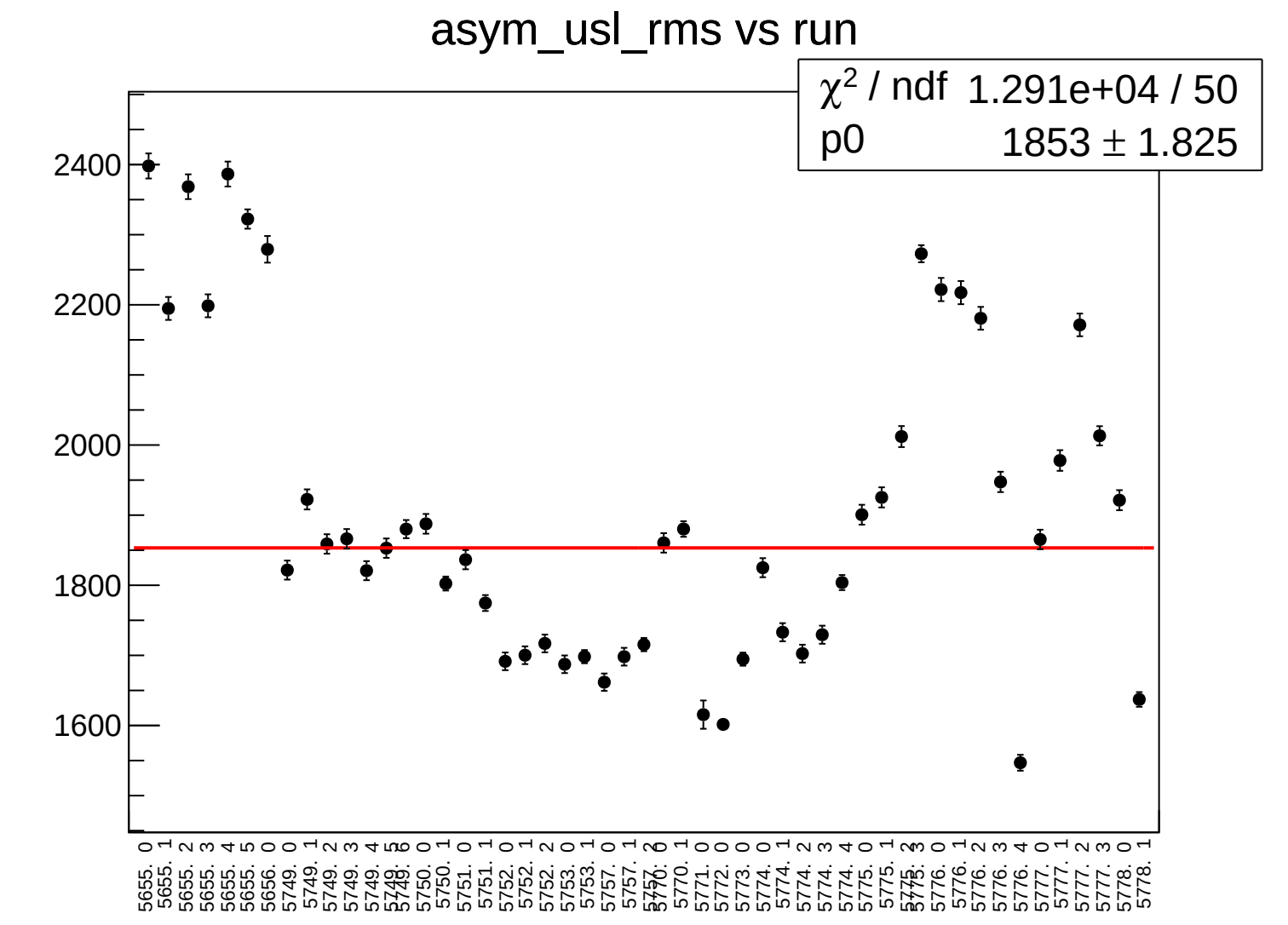

dit_asym_usl_mean vs run
χ² / ndf 42.67 / 50
p0 −1432 ± 1640
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean −147.6
Std Dev 179.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

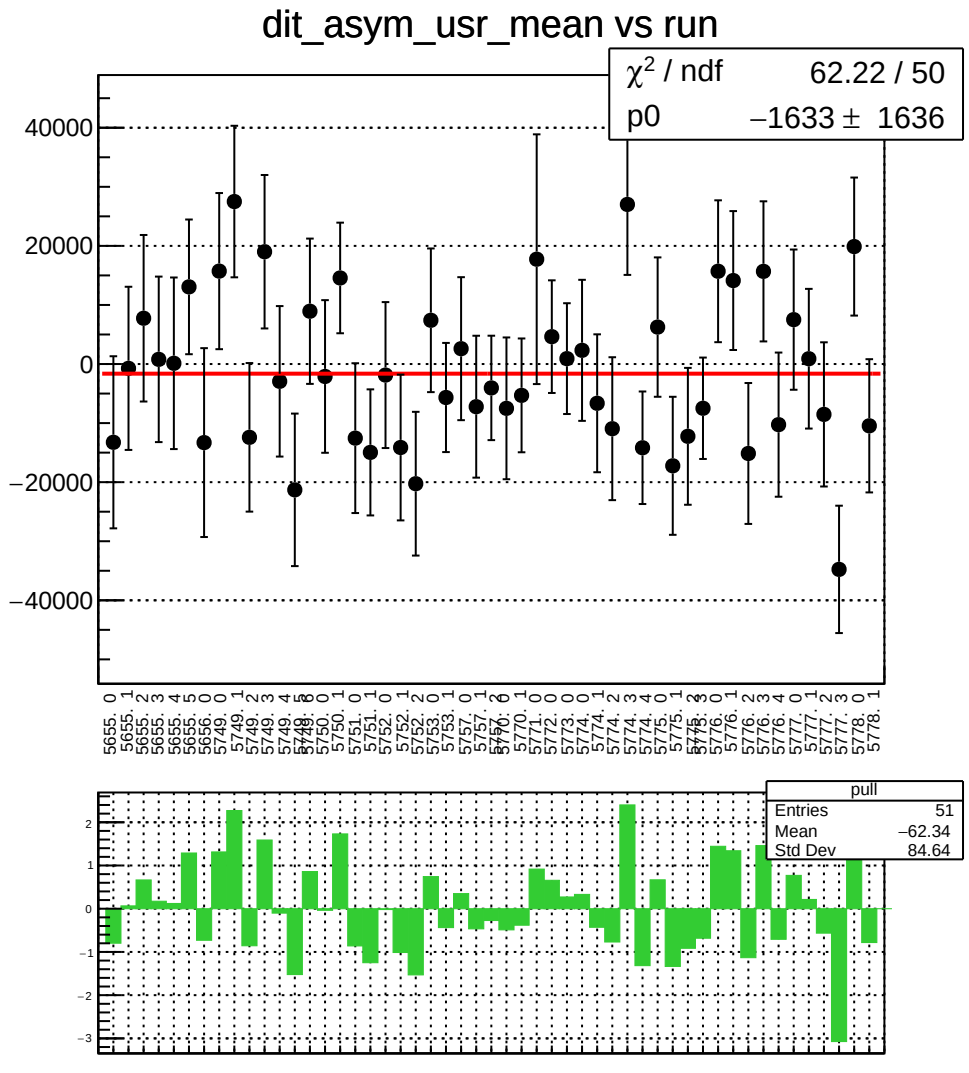

pull1D
Entries 51
Mean −0.01214
Std Dev 0.9146
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

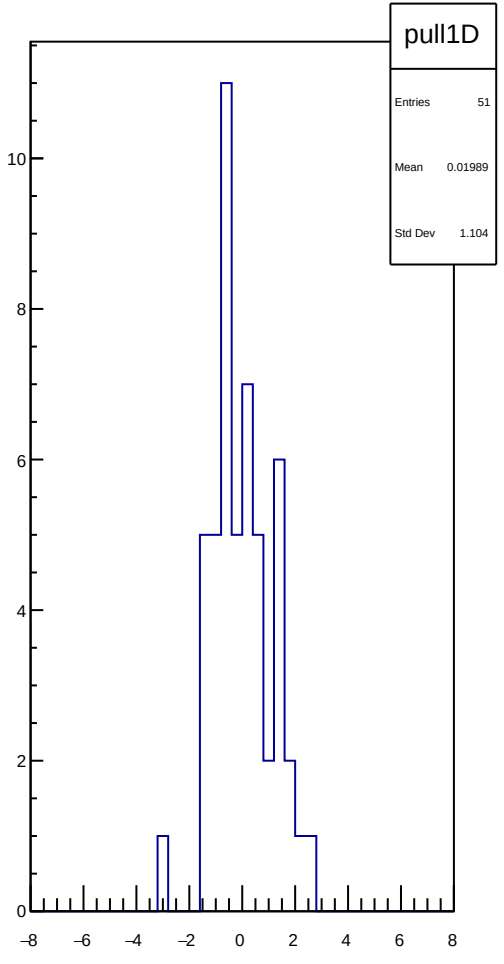

dit_asym_usl_rms vs run
χ² / ndf 7910 / 50
p0 1180 ± 1.159
1500
1400
1300
1200
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

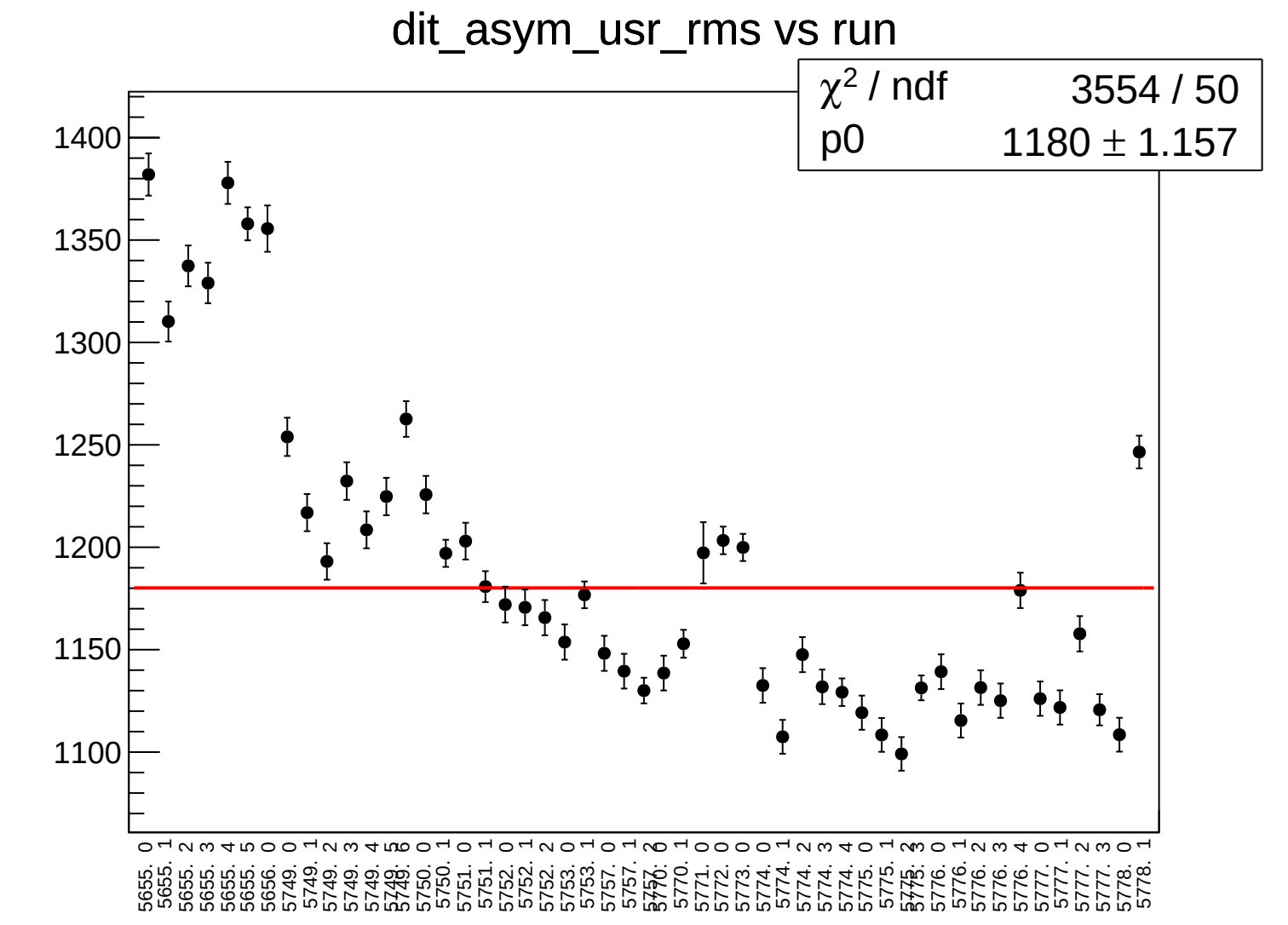

asym_usl_mean vs run
χ² / ndf 43.47 / 50
p0 92.91 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 51
Mean −31.01
Std Dev 52.22
2
1
0
−1
−2


pull1D
Entries 51
Mean −0.03039
Std Dev 0.9228
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 1.291e+04 / 50
p0 1853 ± 1.825
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_usr_mean vs run
χ² / ndf 62.22 / 50
p0 −1633 ± 1636
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −62.34
Std Dev 84.64
2
1
0
−1
−2
−3


pull1D
Entries 51
Mean 0.01989
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_rms vs run
χ² / ndf 3554 / 50
p0 1180 ± 1.157
1400
1350
1300
1250
1200
1150
1100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
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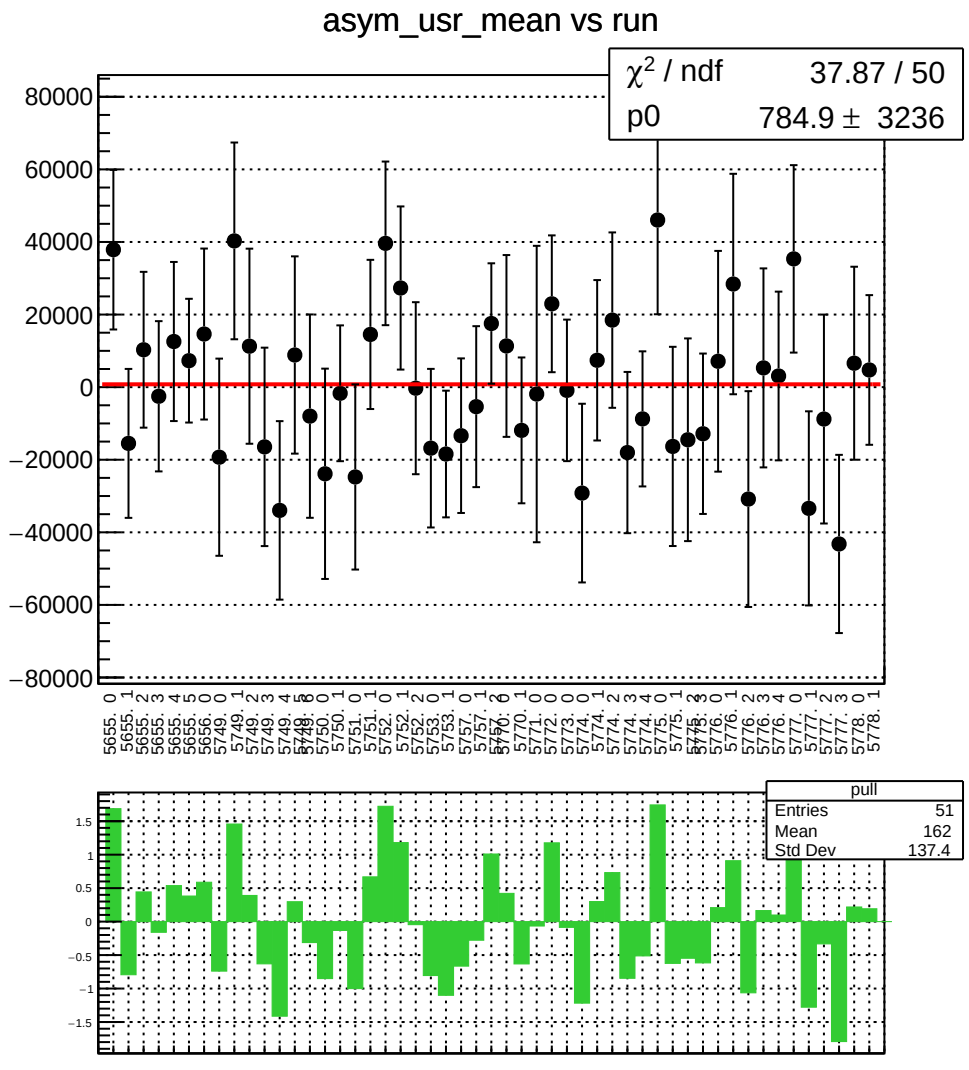
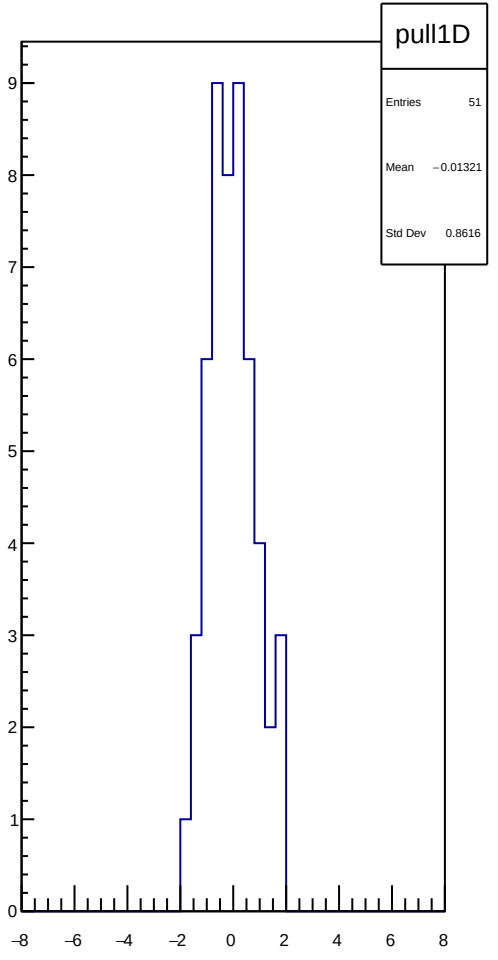
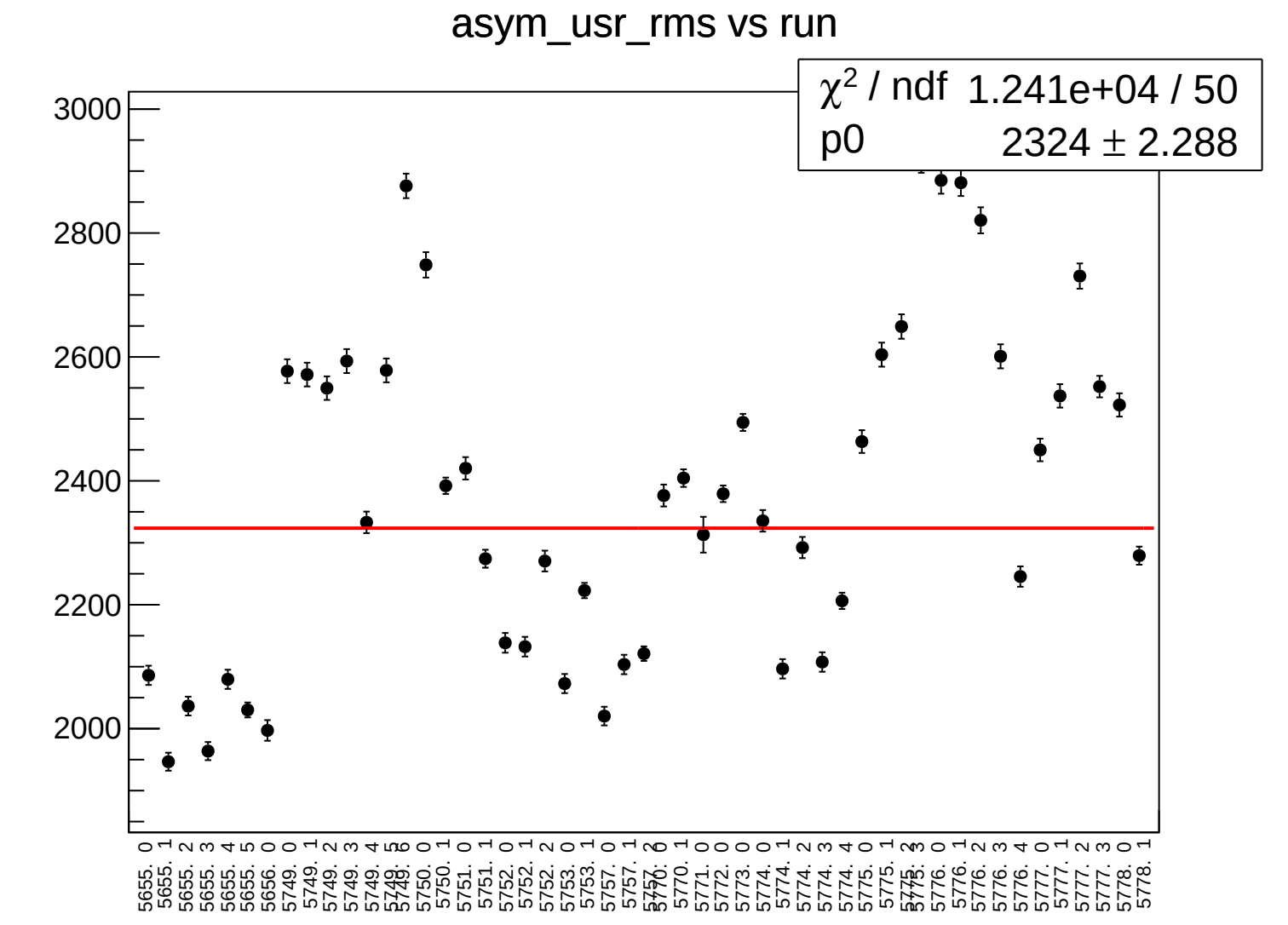
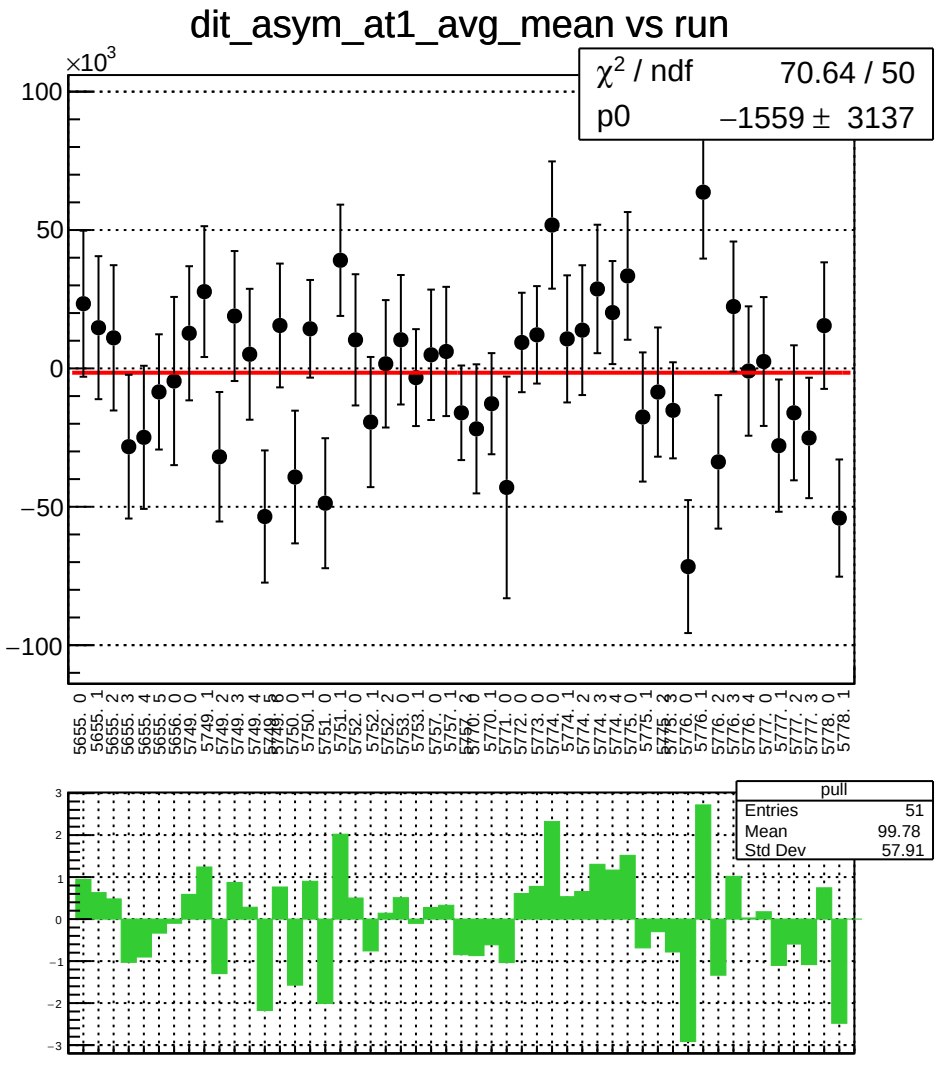
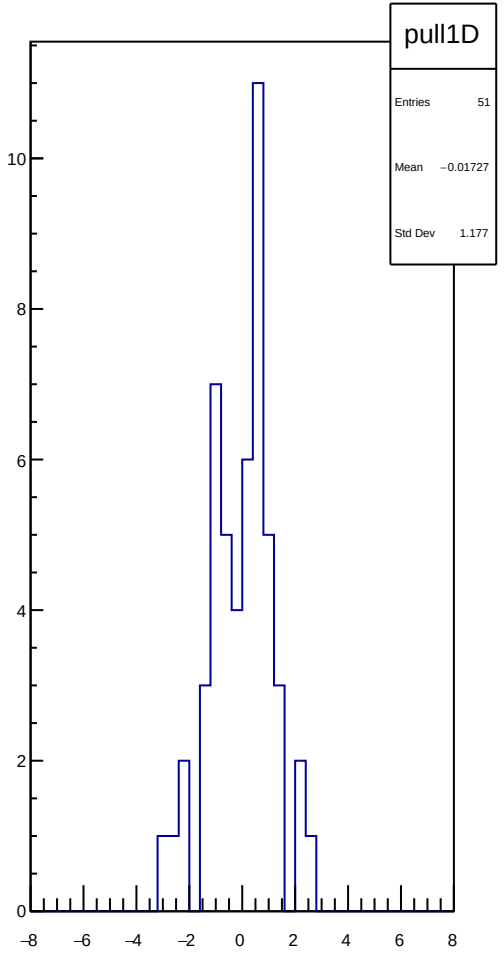
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

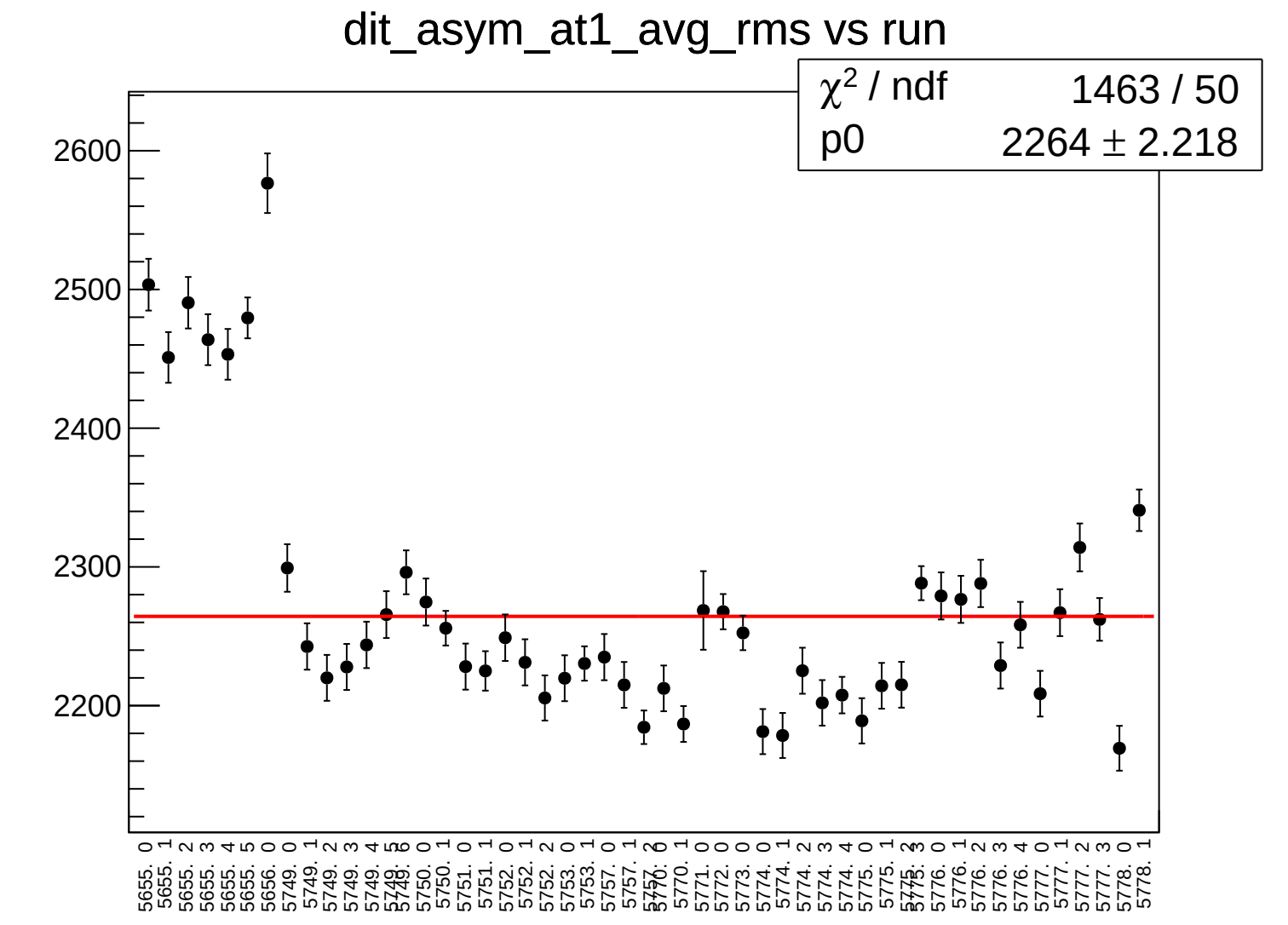

asym_usr_mean vs run
χ² / ndf 37.87 / 50
p0 784.9 ± 3236
pull
Entries 51
Mean 162
Std Dev 137.4

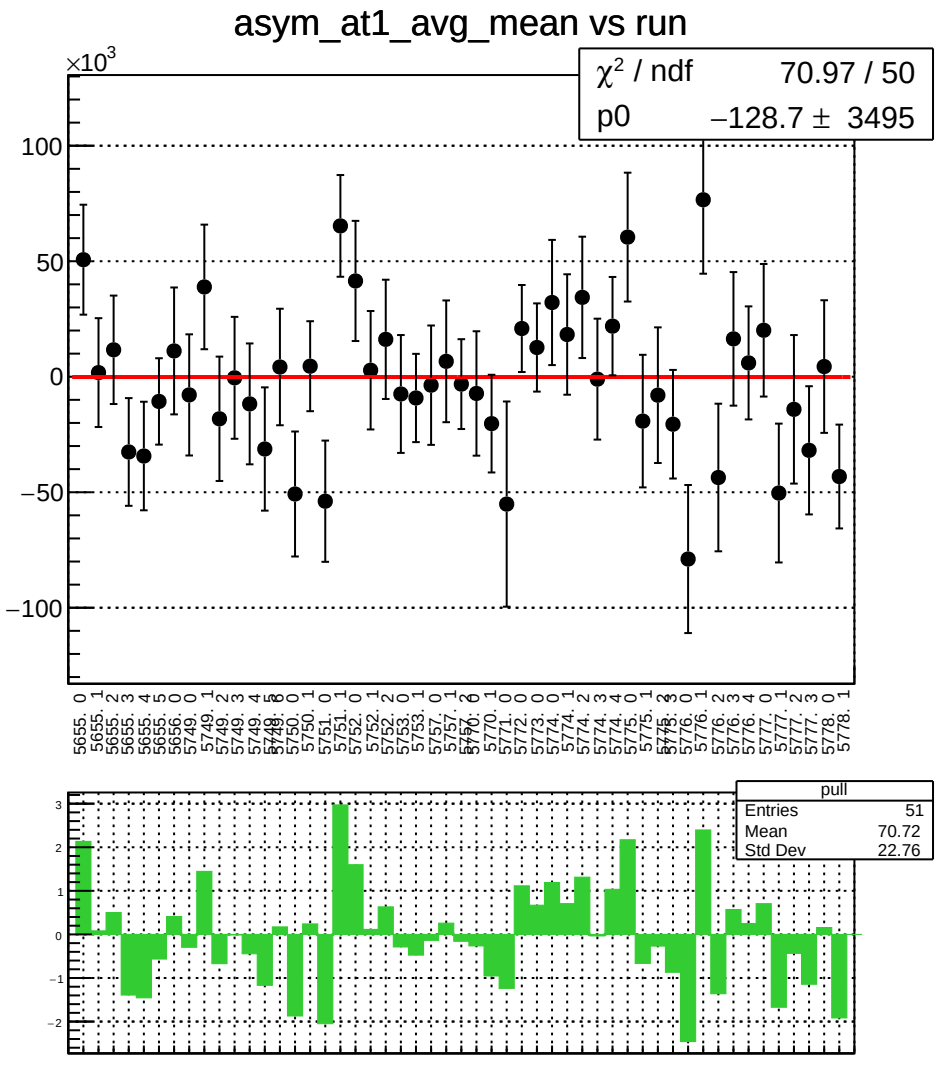

pull1D
Entries 51
Mean −0.01321
Std Dev 0.8616

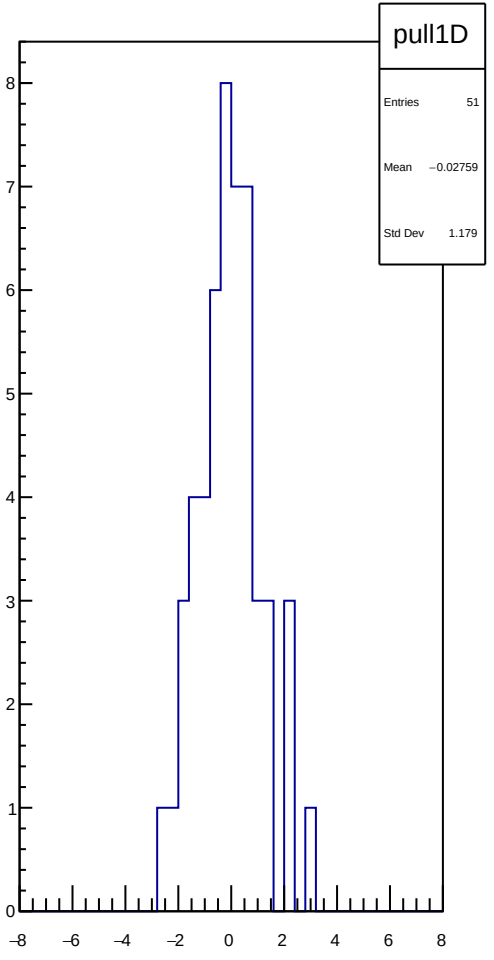

asym_usr_rms vs run
χ² / ndf 1.241e+04 / 50
p0 2324 ± 2.288
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

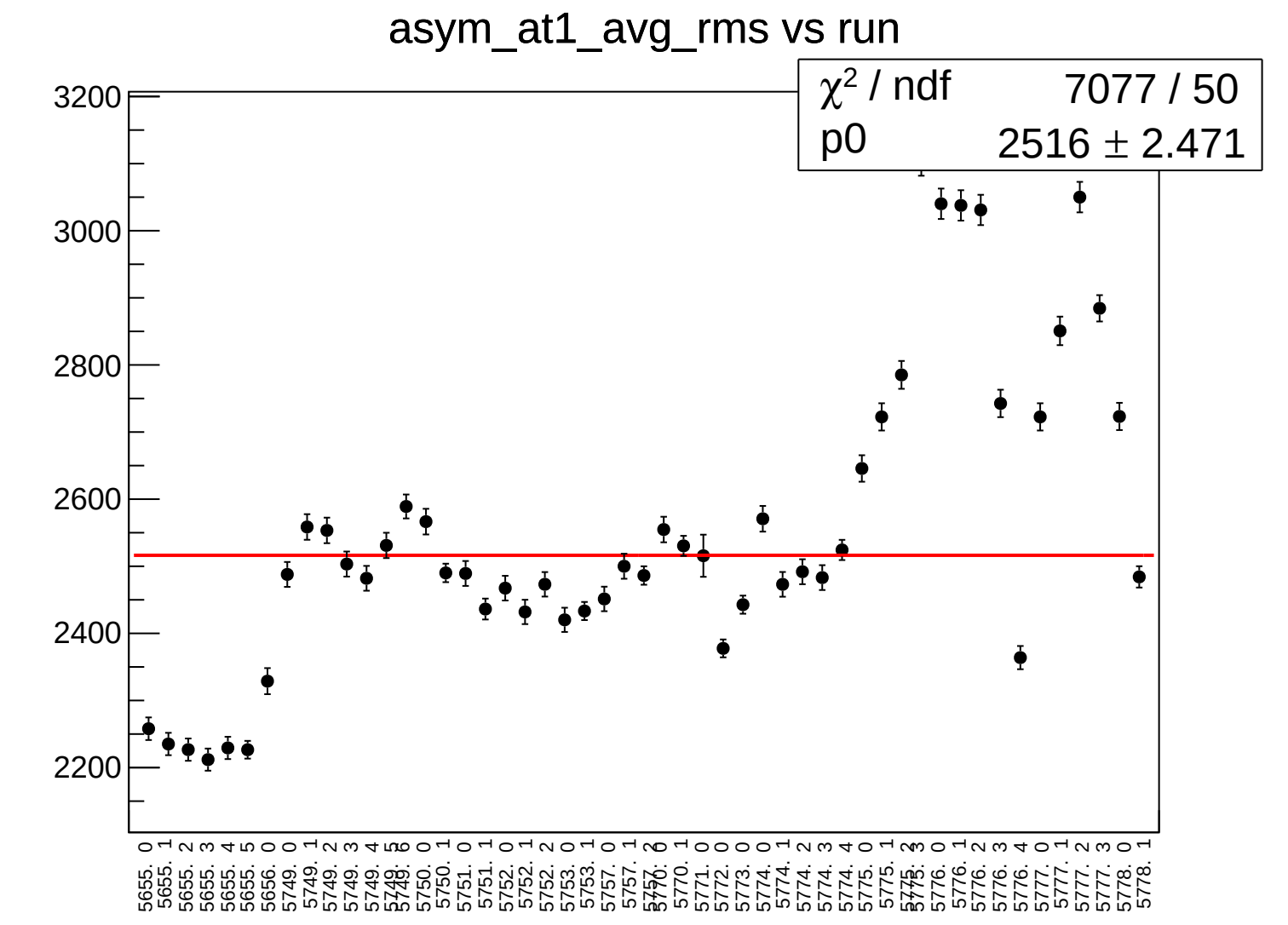

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 70.64 / 50
p0 −1559 ± 3137
pull
Entries 51
Mean 99.78
Std Dev 57.91

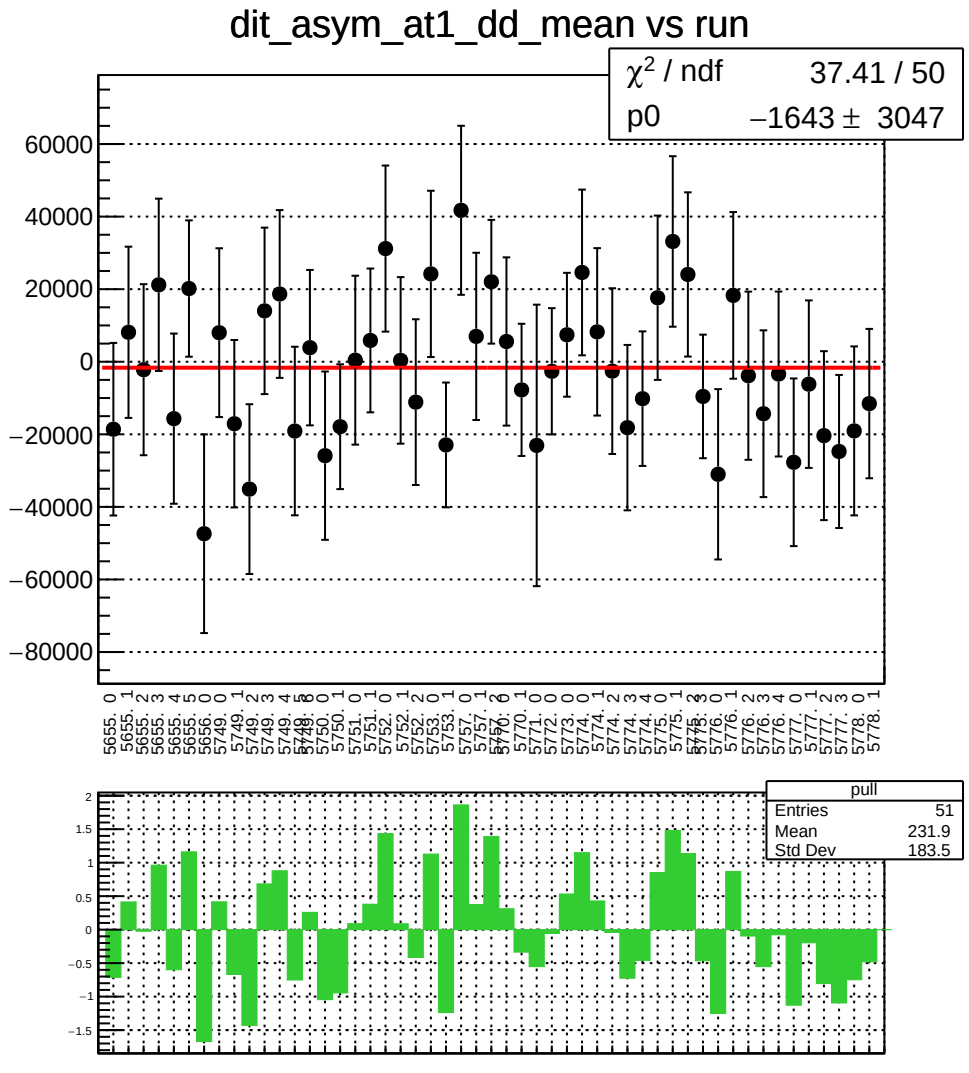

pull1D
Entries 51
Mean −0.01727
Std Dev 1.177

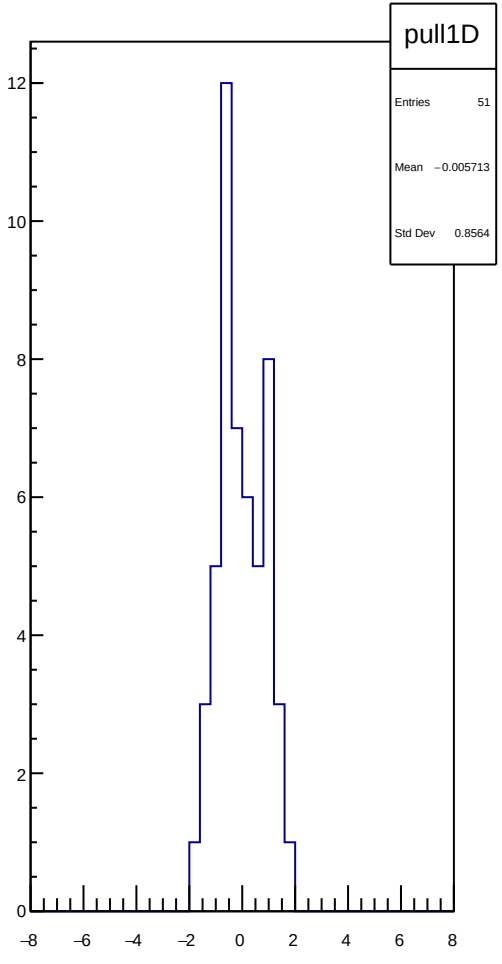

dit_asym_at1_avg_rms vs run
χ² / ndf 1463 / 50
p0 2264 ± 2.218
2600
2500
2400
2300
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

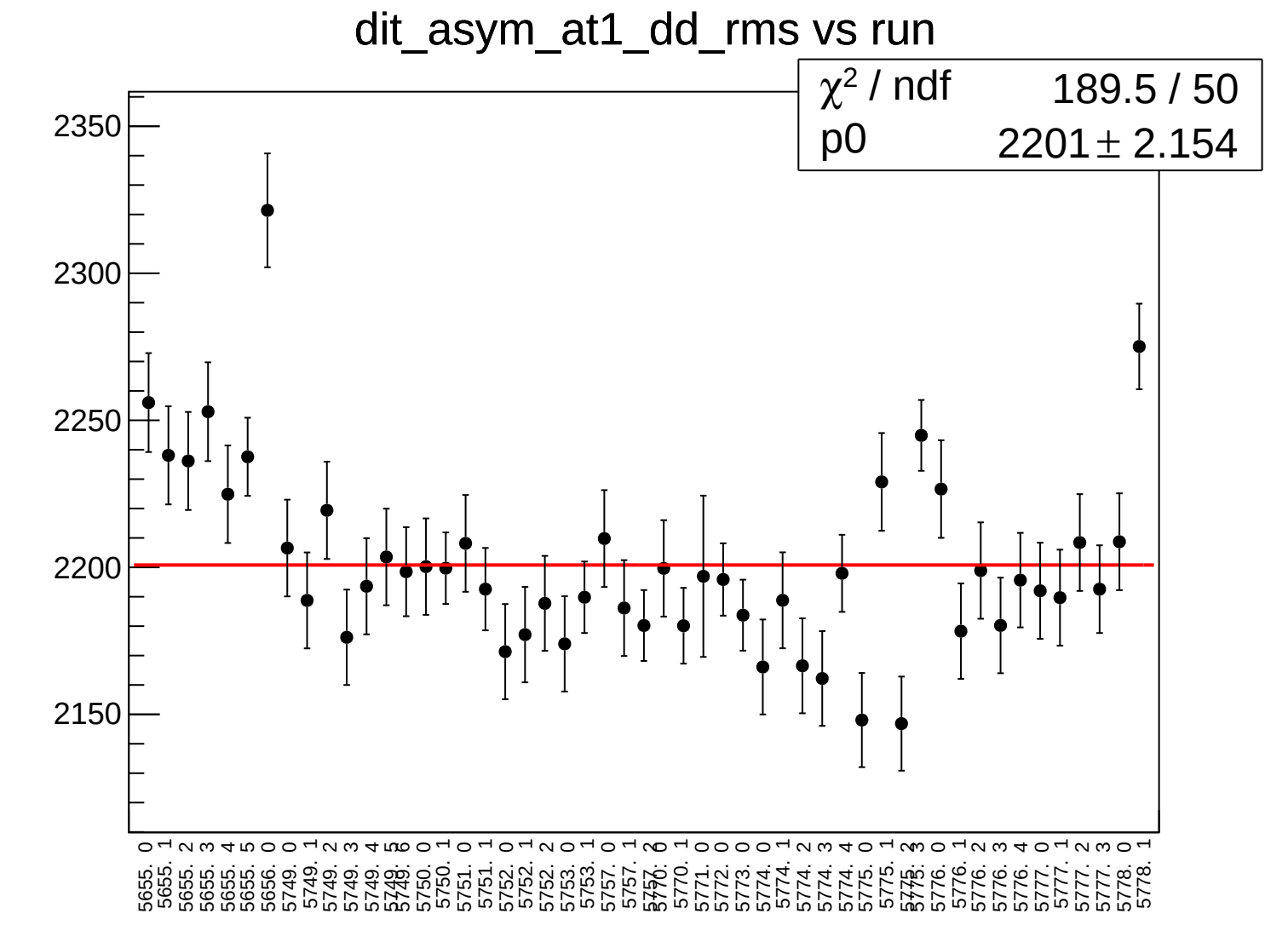

asym_at1_avg_mean vs run
×10^3
χ² / ndf 70.97 / 50
p0 −128.7 ± 3495
100
50
0
−50
−100
pull
Entries 51
Mean 70.72
Std Dev 22.76
3
2
1
0
−1
−2

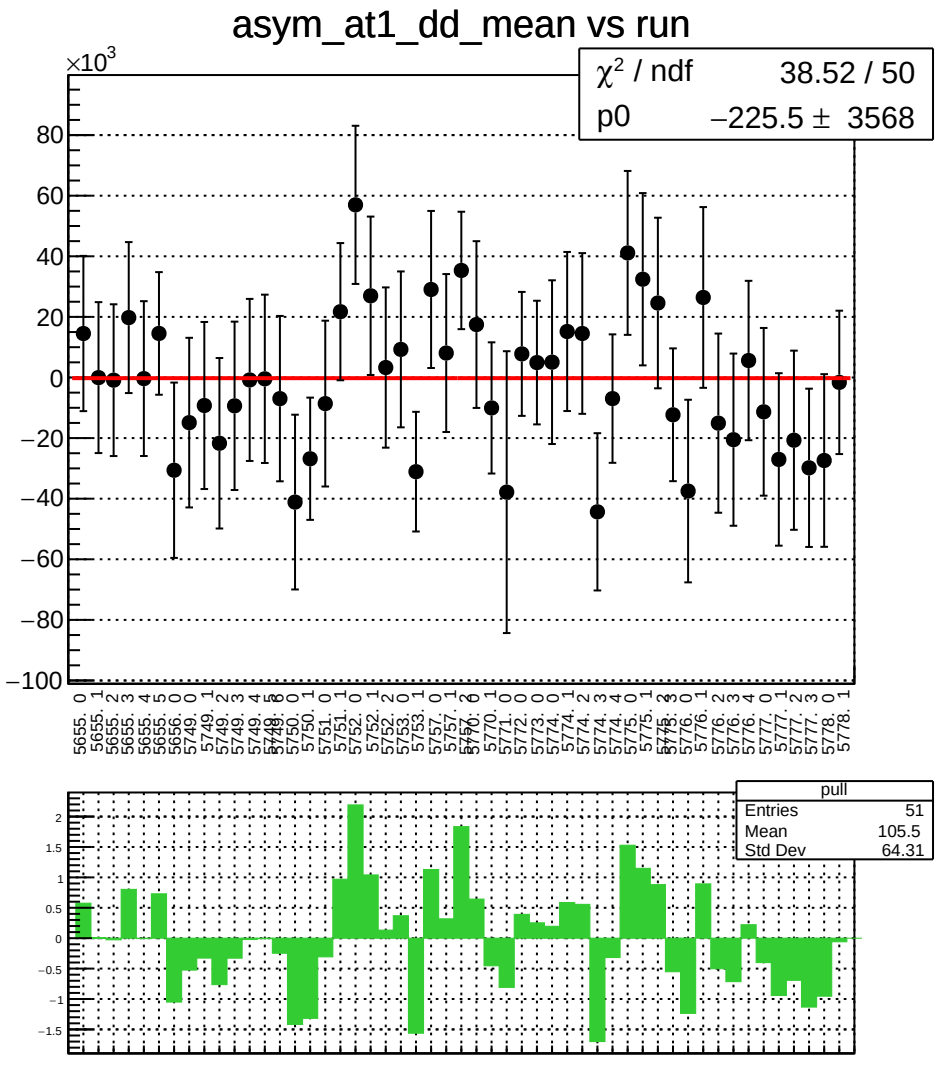

pull1D
Entries 51
Mean −0.02759
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

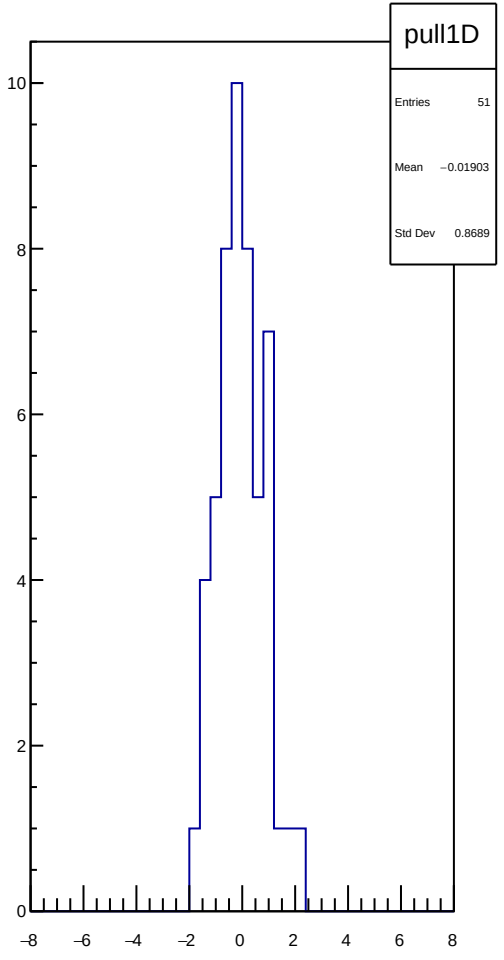

asym_at1_avg_rms vs run
χ² / ndf 7077 / 50
p0 2516 ± 2.471
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

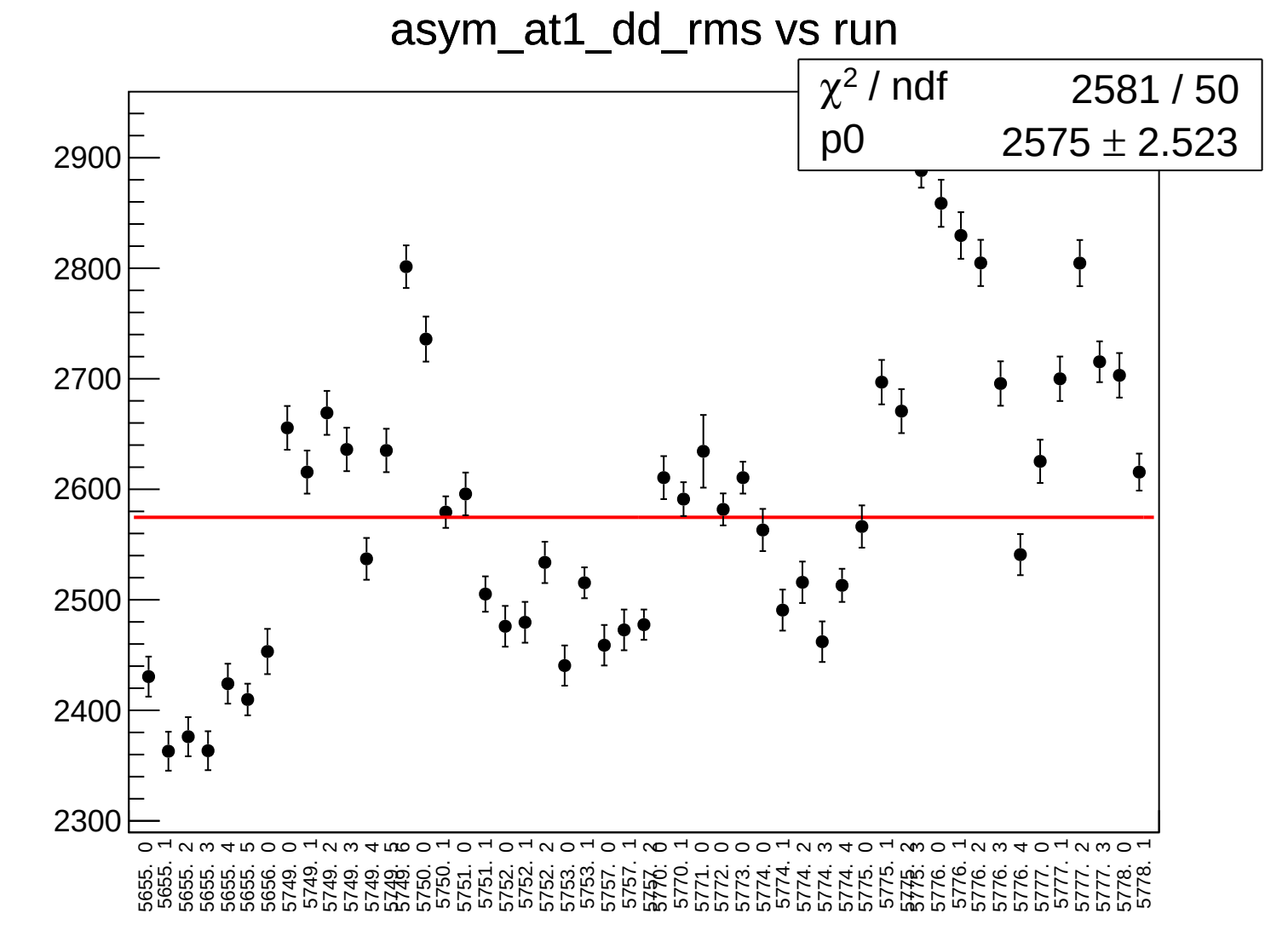

dit_asym_at1_dd_mean vs run
χ² / ndf 37.41 / 50
p0 −1643 ± 3047
pull
Entries 51
Mean 231.9
Std Dev 183.5

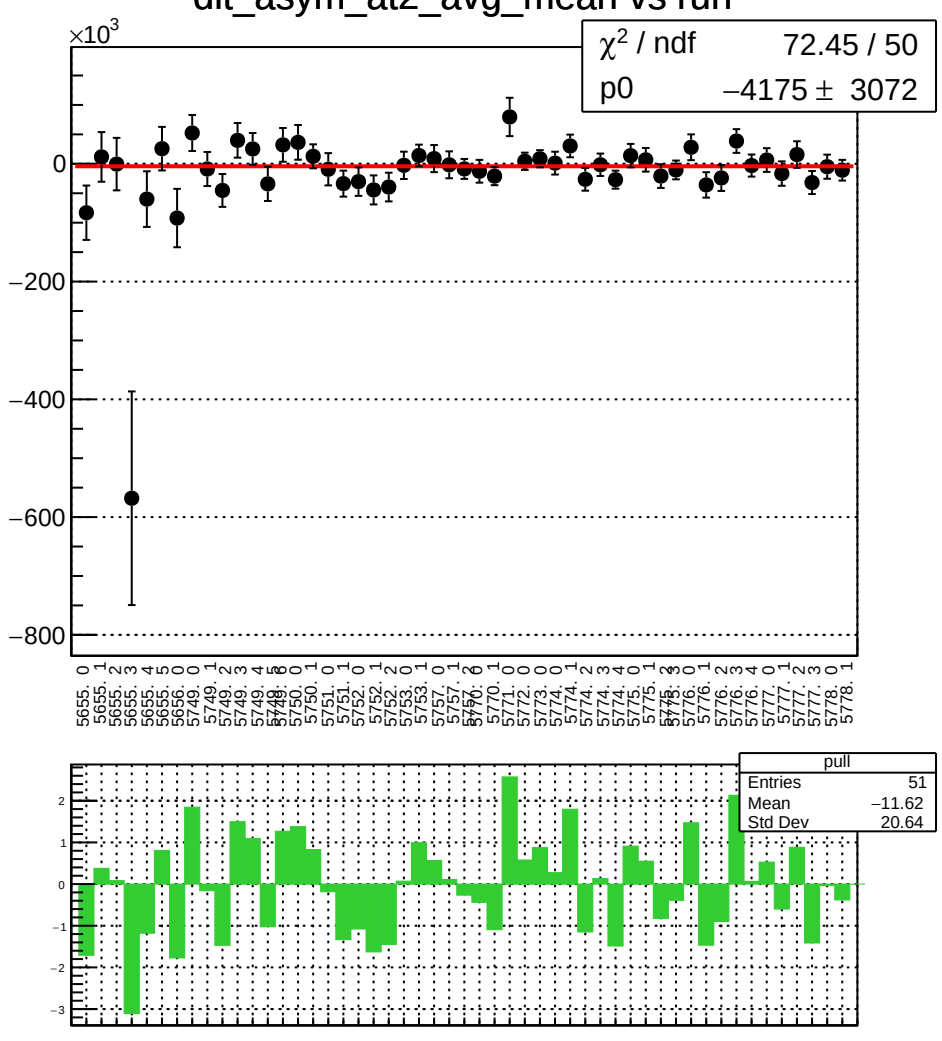

pull1D
Entries 51
Mean −0.005713
Std Dev 0.8564

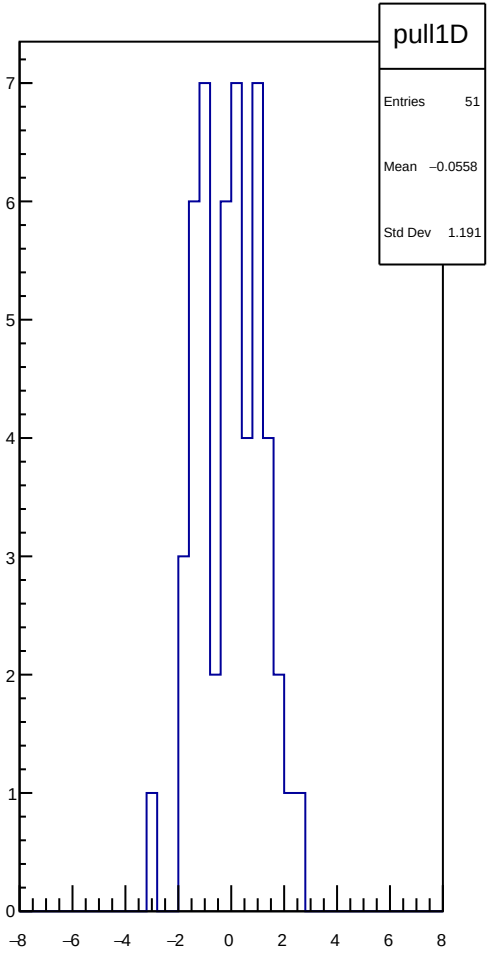

dit_asym_at1_dd_rms vs run
χ² / ndf 189.5 / 50
p0 2201 ± 2.154
2350
2300
2250
2200
2150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

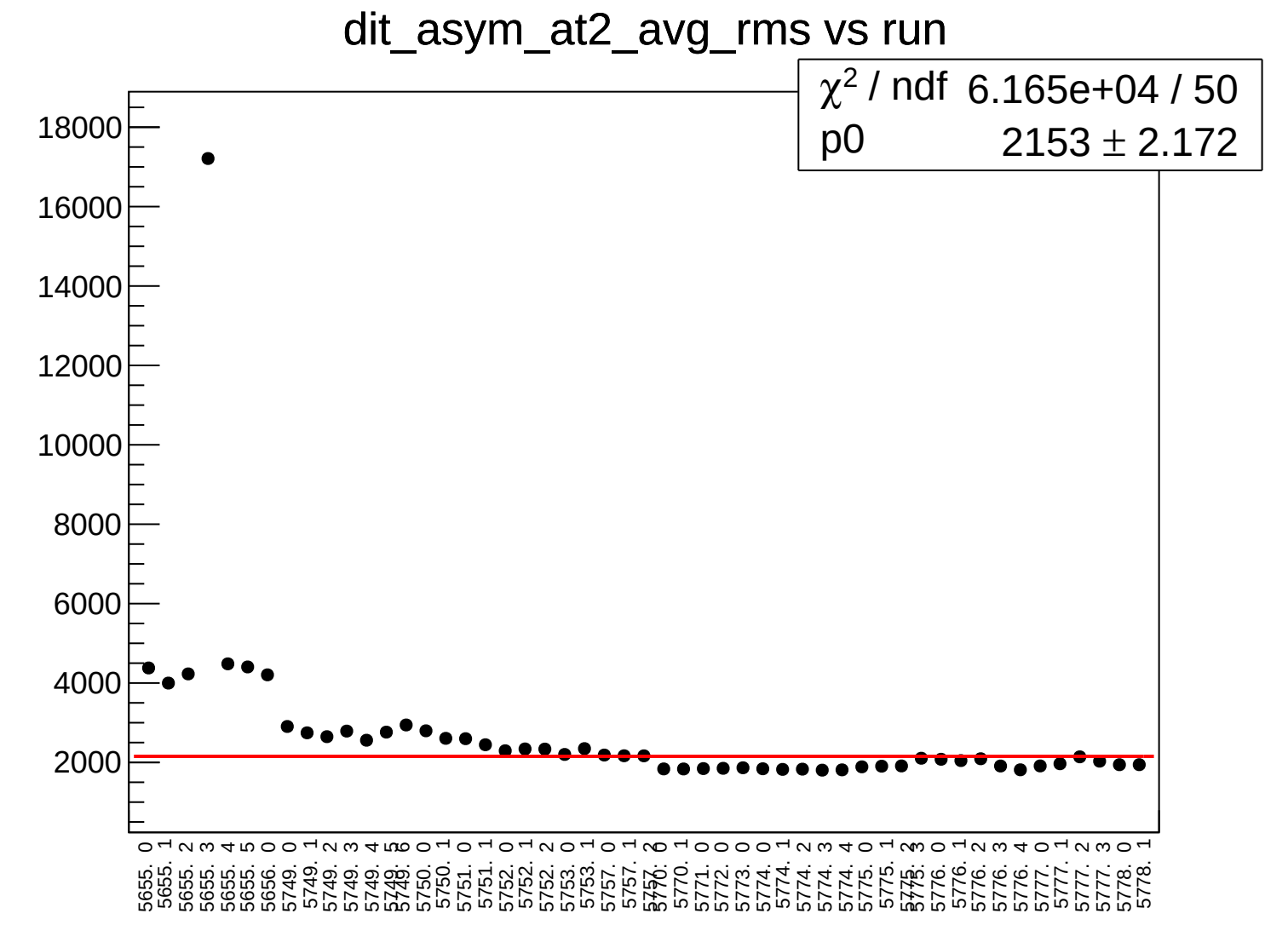

asym_at1_dd_mean vs run
×10^3
χ² / ndf 38.52 / 50
p0 −225.5 ± 3568
pull
Entries 51
Mean 105.5
Std Dev 64.31

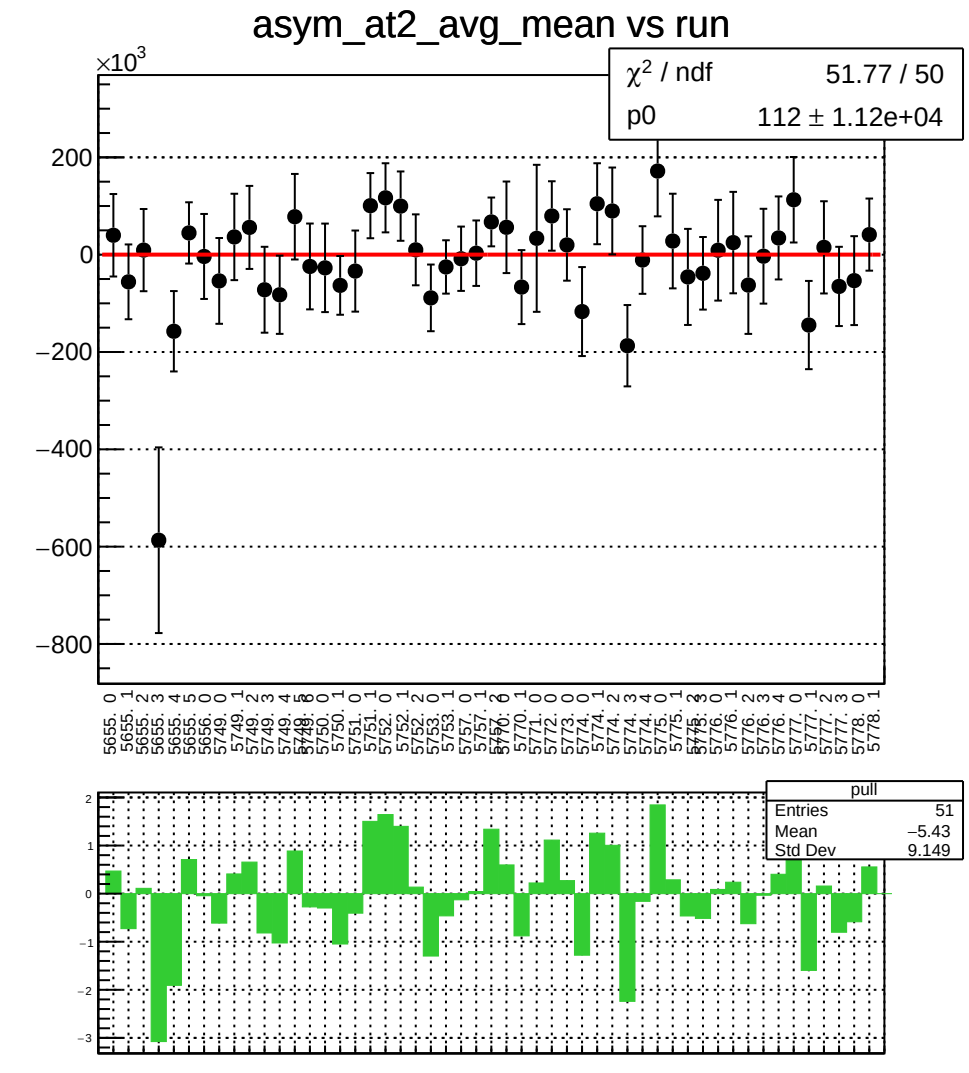

pull1D
Entries 51
Mean −0.01903
Std Dev 0.8689

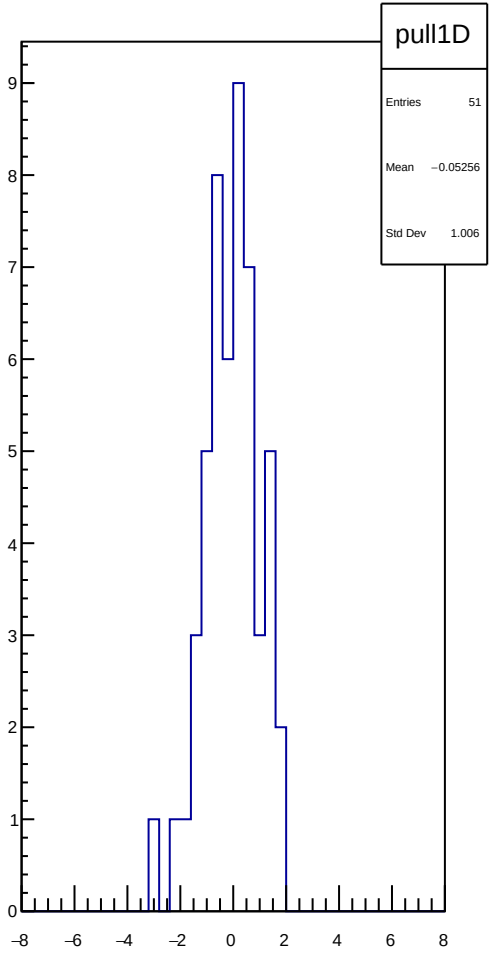

asym_at1_dd_rms vs run
χ² / ndf 2581 / 50
p0 2575 ± 2.523
2900
2800
2700
2600
2500
2400
2300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

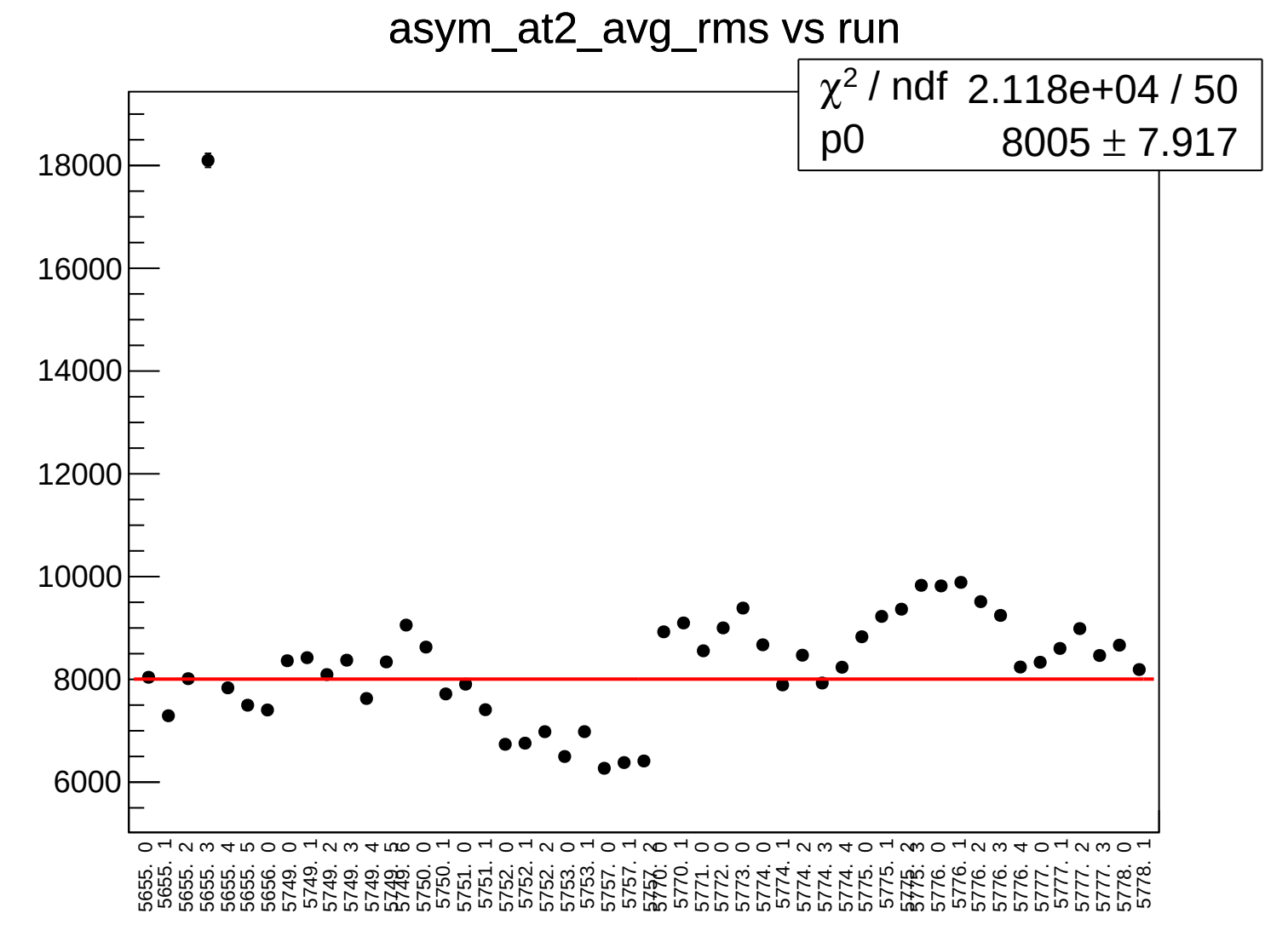

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 72.45 / 50
p0 −4175 ± 3072
0
−200
−400
−600
−800
pull
Entries 51
Mean −11.62
Std Dev 20.64

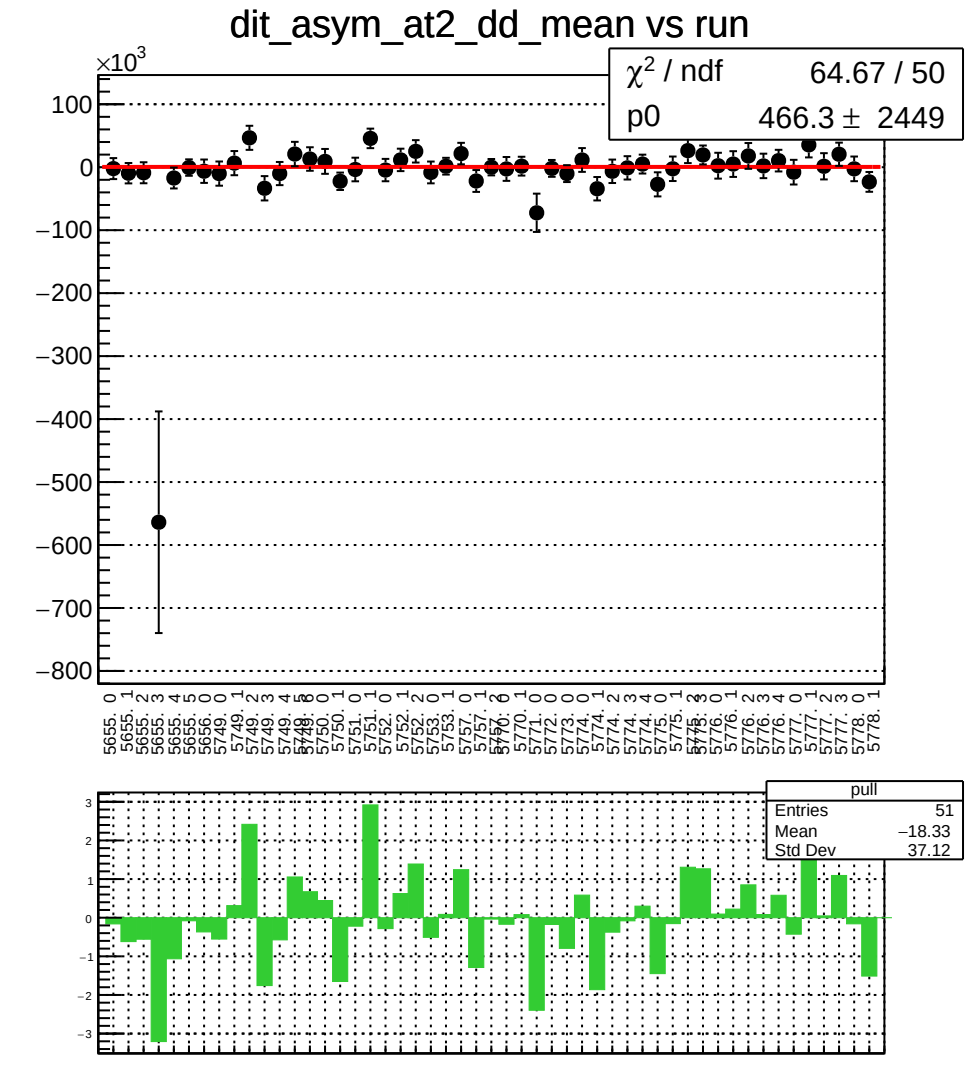

pull1D
Entries 51
Mean −0.0558
Std Dev 1.191

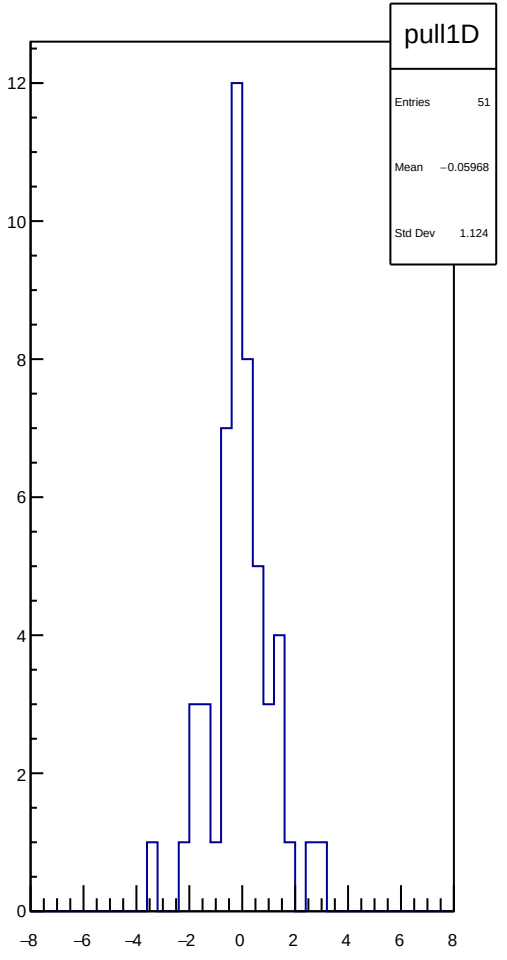

dit_asym_at2_avg_rms vs run
χ^2 / ndf 6.165e+04 / 50
p0 2153 ± 2.172
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

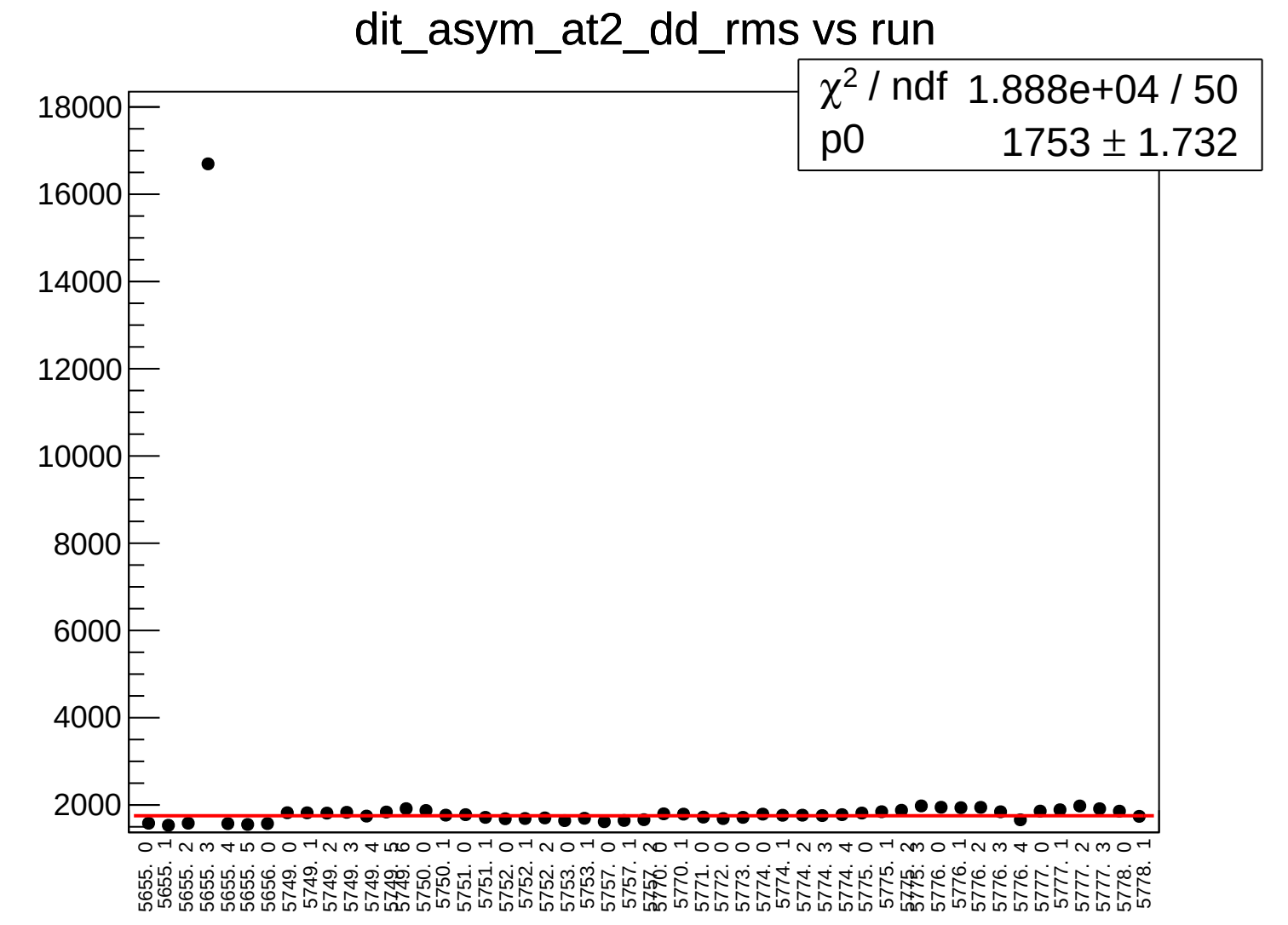

asym_at2_avg_mean vs run
×10^3
χ² / ndf 51.77 / 50
p0 112 ± 1.12e+04
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −5.43
Std Dev 9.149
2
1
0
−1
−2
−3

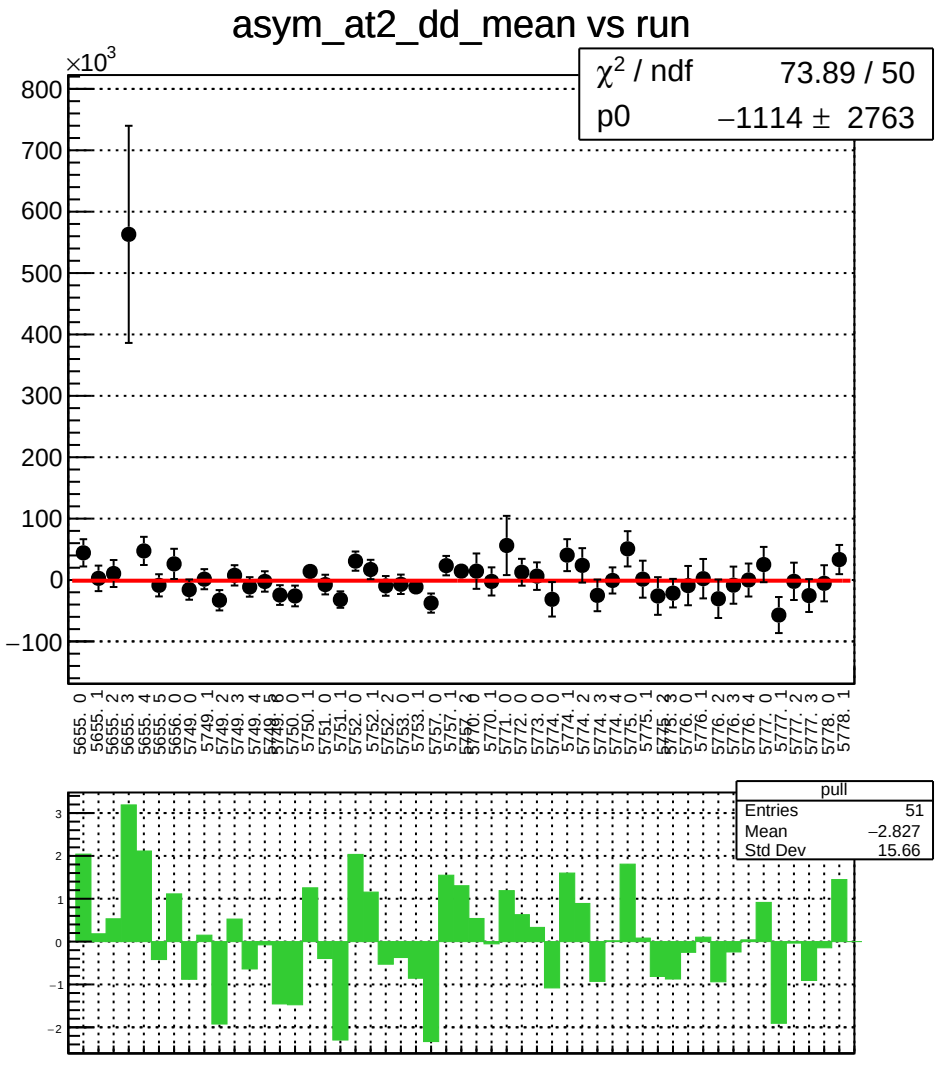

pull1D
Entries 51
Mean −0.05256
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

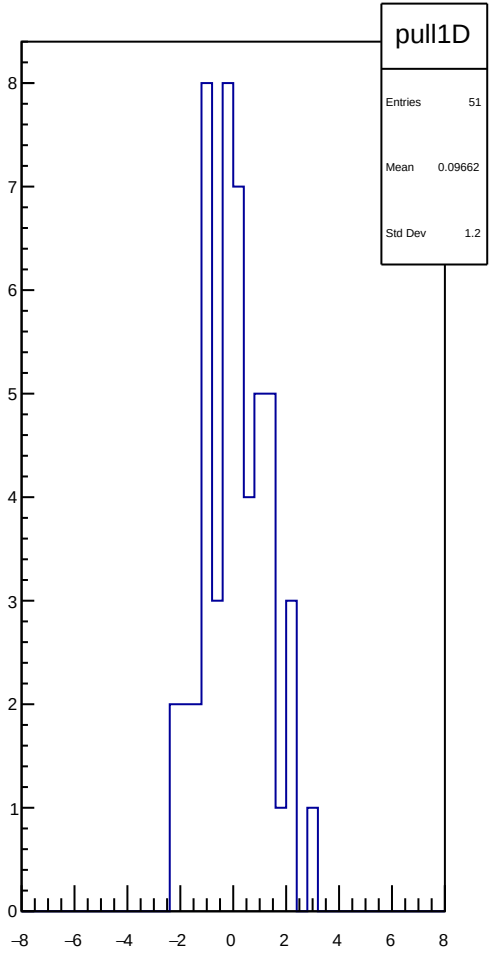

asym_at2_avg_rms vs run
χ^2 / ndf 2.118e+04 / 50
p0 8005 ± 7.917
18000
16000
14000
12000
10000
8000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

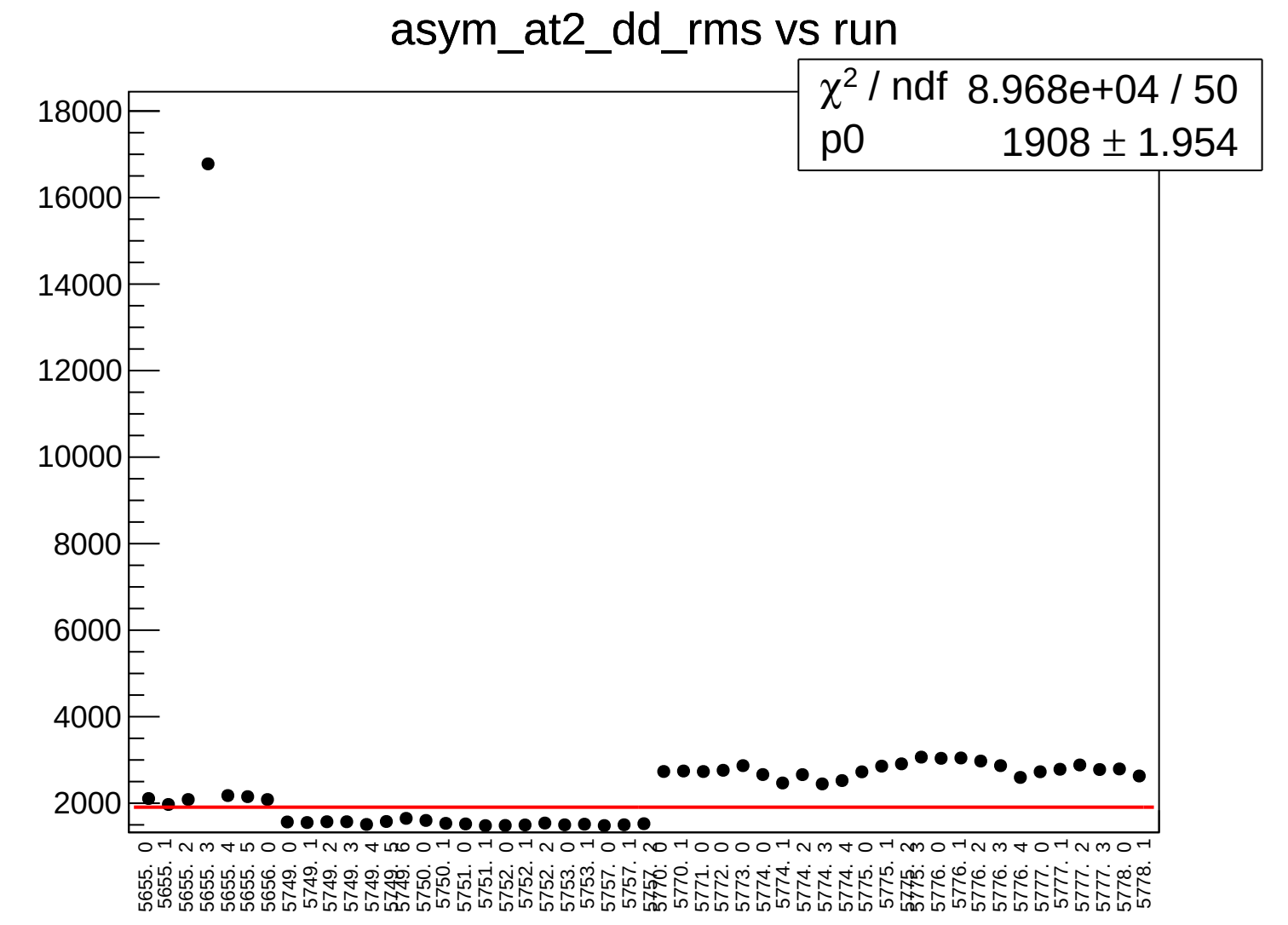

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 64.67 / 50
p0 466.3 ± 2449
pull
Entries 51
Mean −18.33
Std Dev 37.12


pull1D
Entries 51
Mean −0.05968
Std Dev 1.124


dit_asym_at2_dd_rms vs run
χ² / ndf 1.888e+04 / 50
p0 1753 ± 1.732
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


asym_at2_dd_mean vs run
×10^3
χ² / ndf 73.89 / 50
p0 −1114 ± 2763
pull
Entries 51
Mean −2.827
Std Dev 15.66


pull1D
Entries 51
Mean 0.09662
Std Dev 1.2


asym_at2_dd_rms vs run
χ² / ndf 8.968e+04 / 50
p0 1908 ± 1.954
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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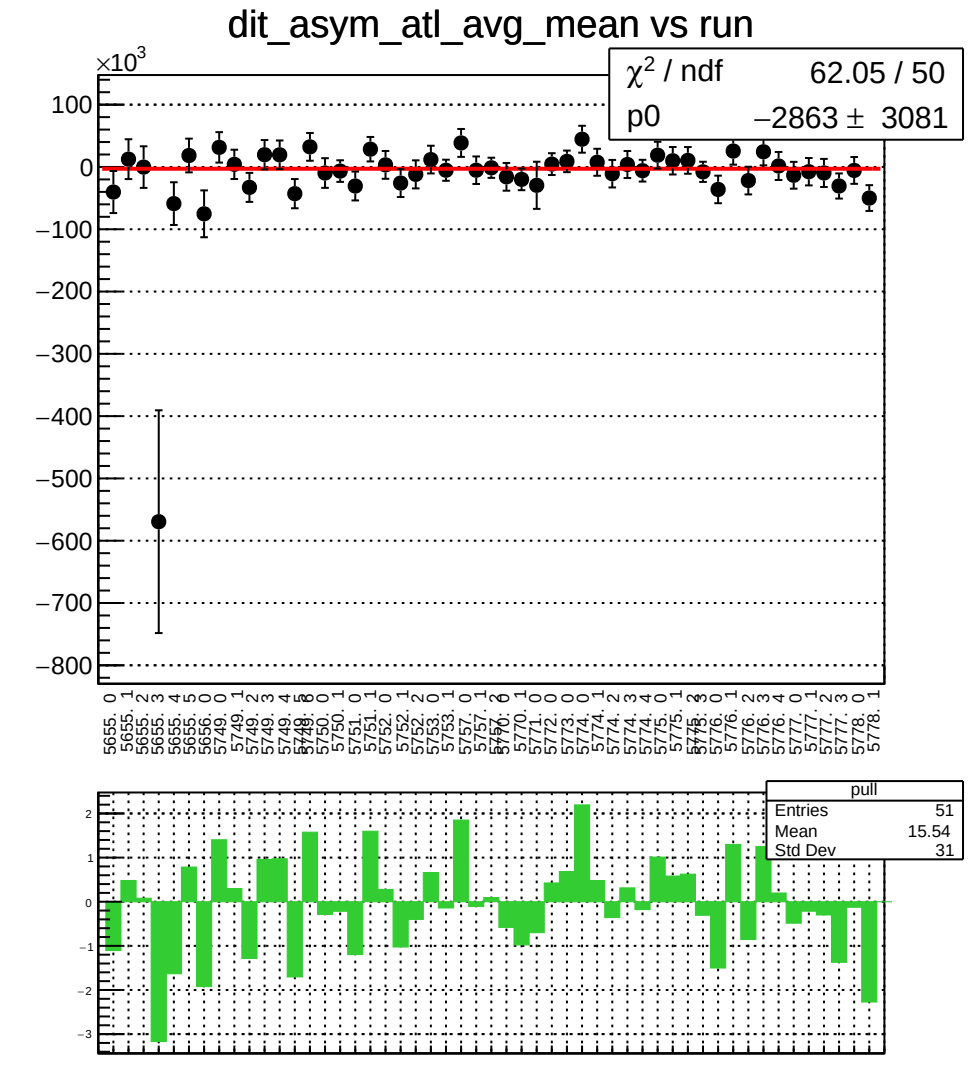
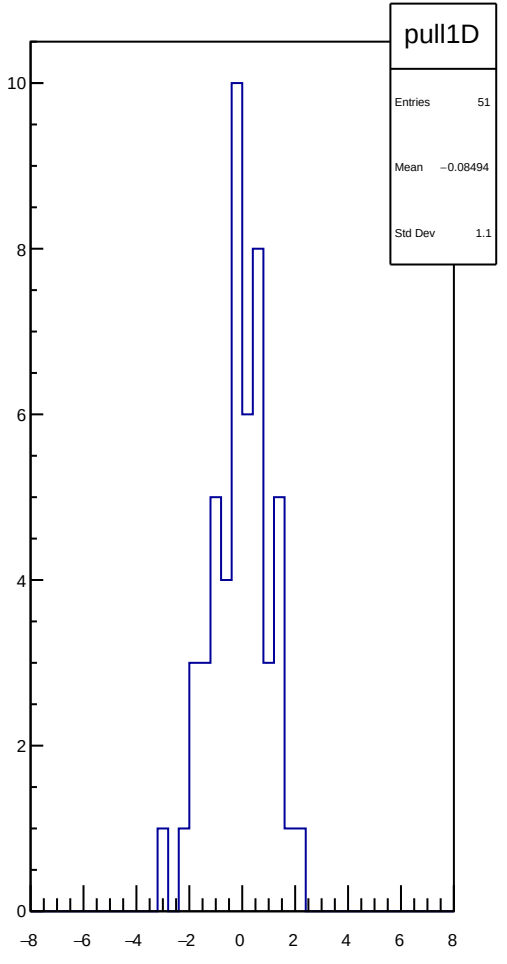
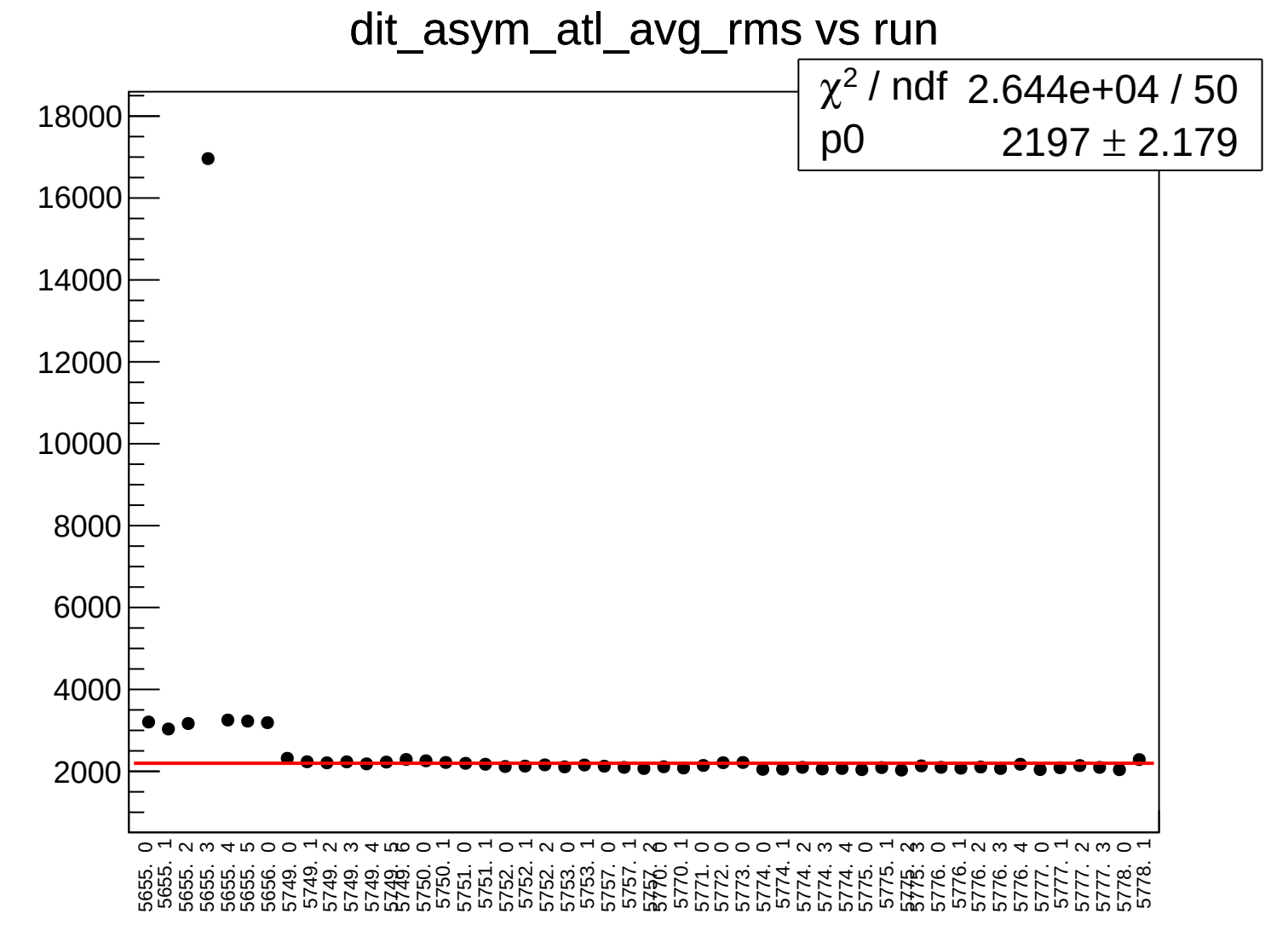
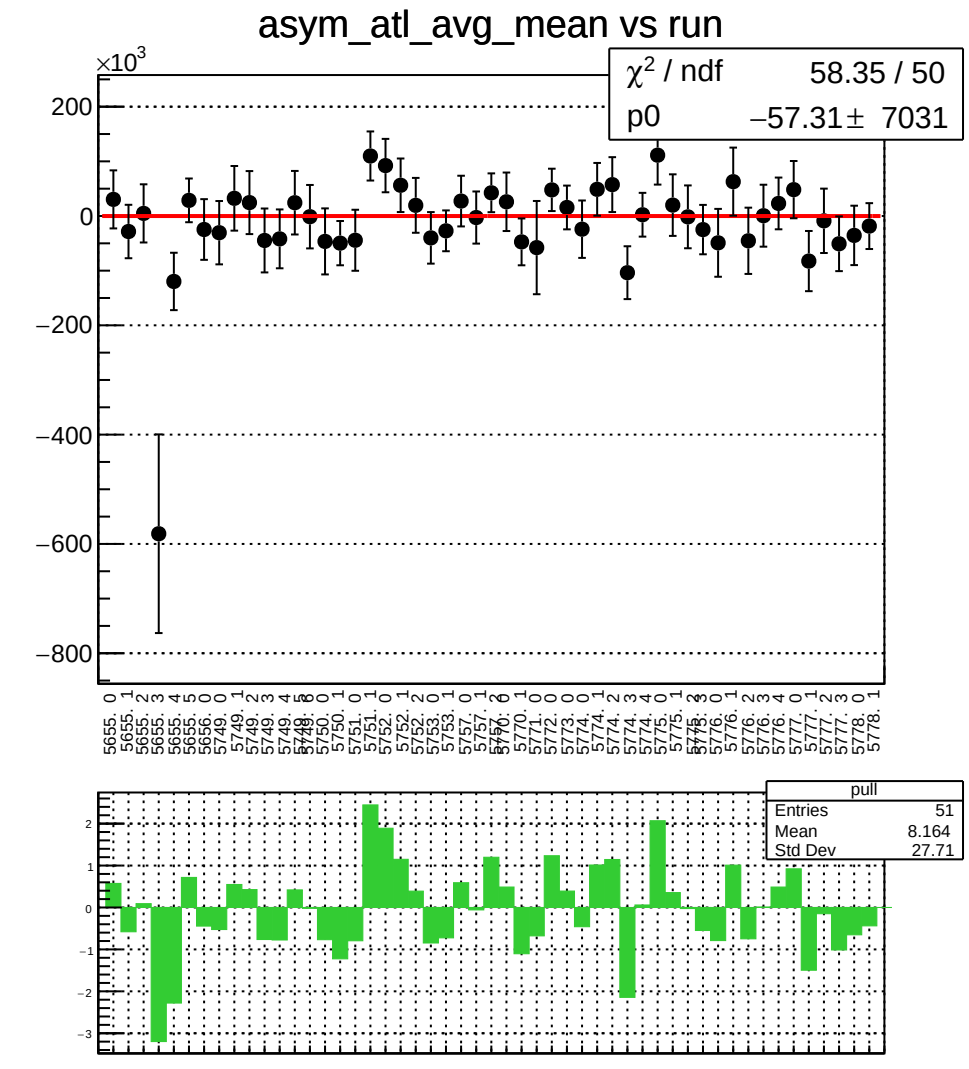
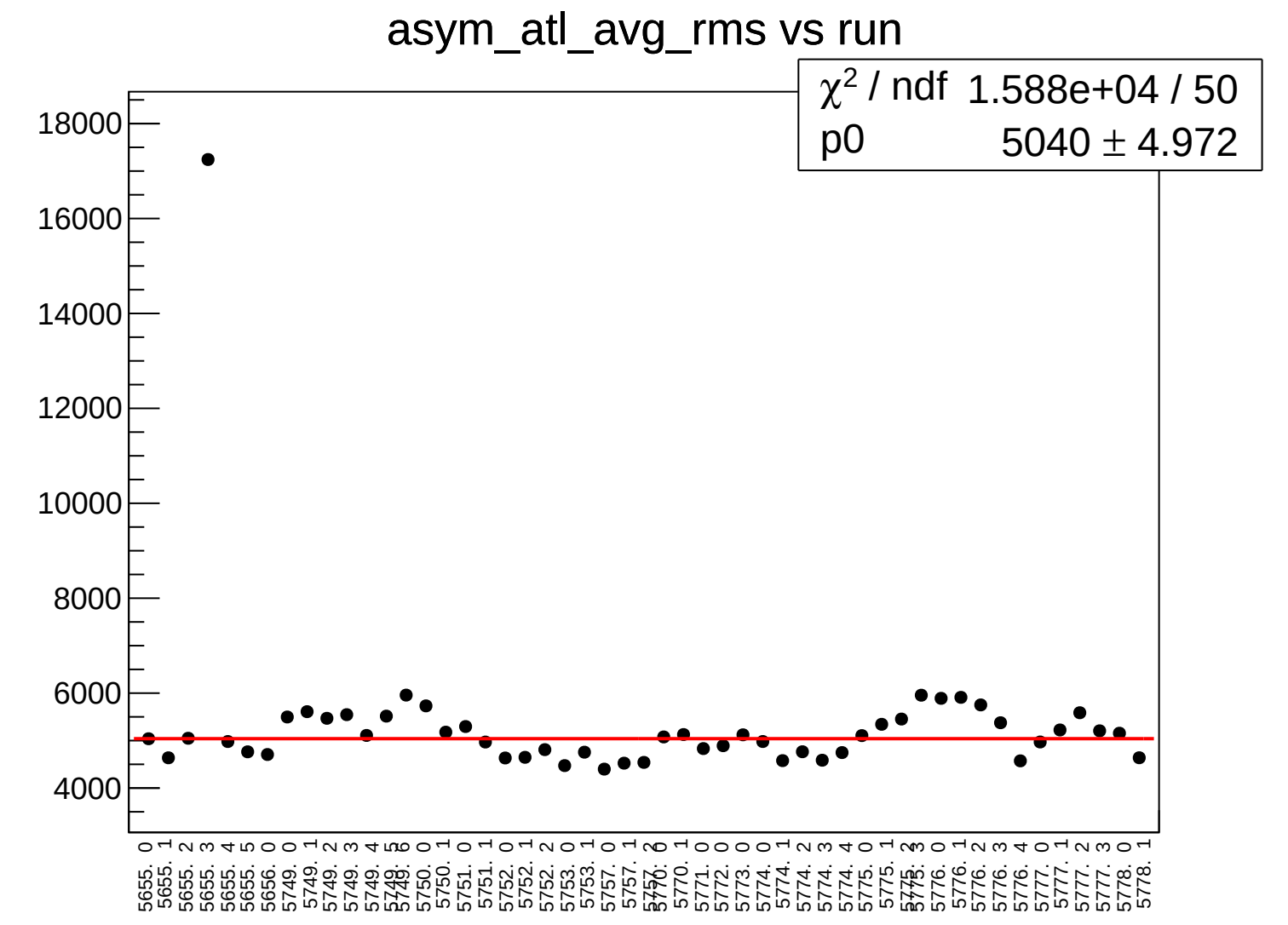
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

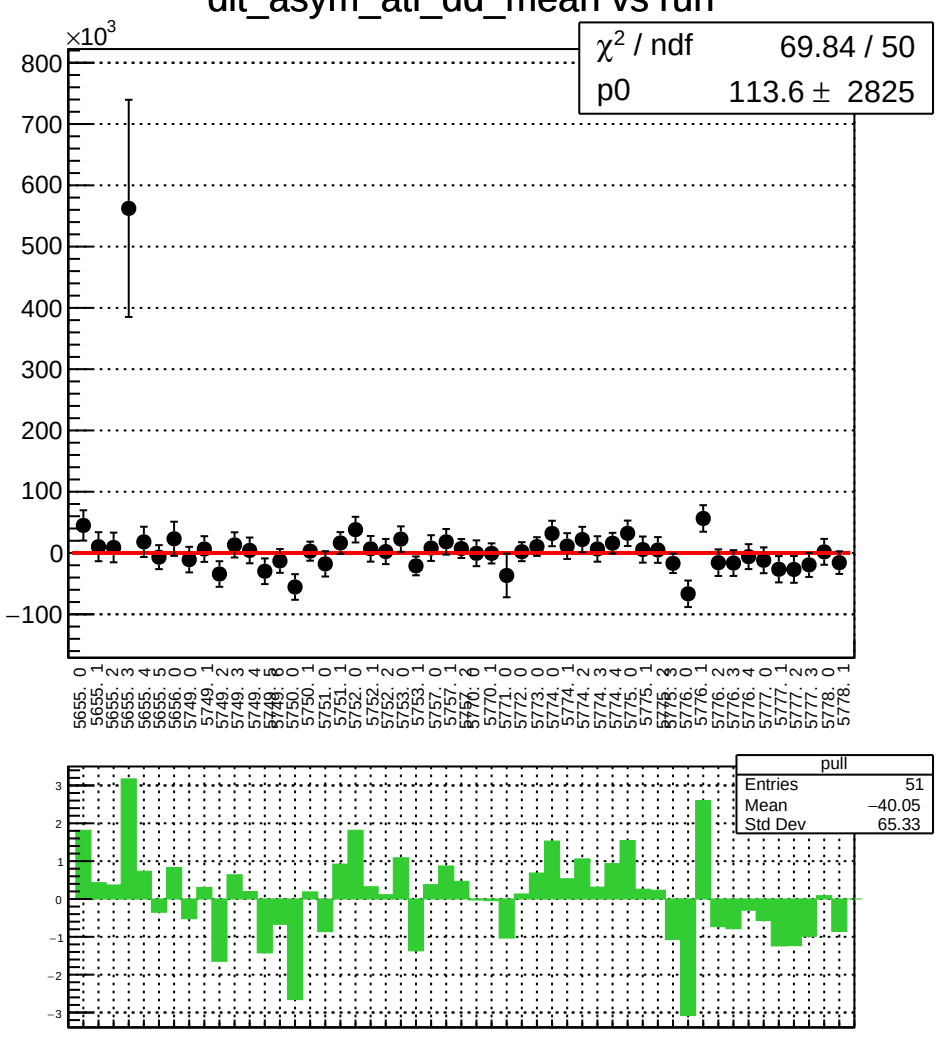

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 62.05 / 50
p0 −2863 ± 3081
100
0
−100
−200
−300
−400
−500
−600
−700
−800
pull
Entries 51
Mean 15.54
Std Dev 31
2
1
0
−1
−2
−3

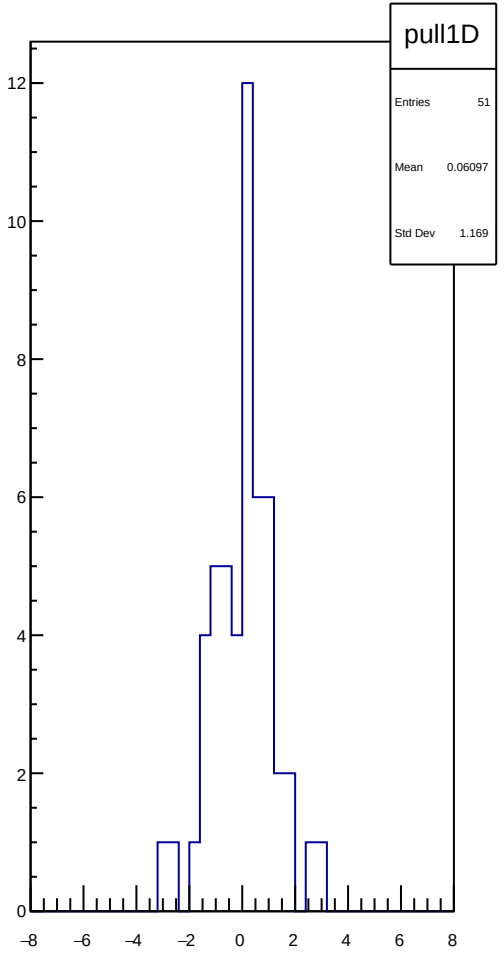

pull1D
Entries 51
Mean −0.08494
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

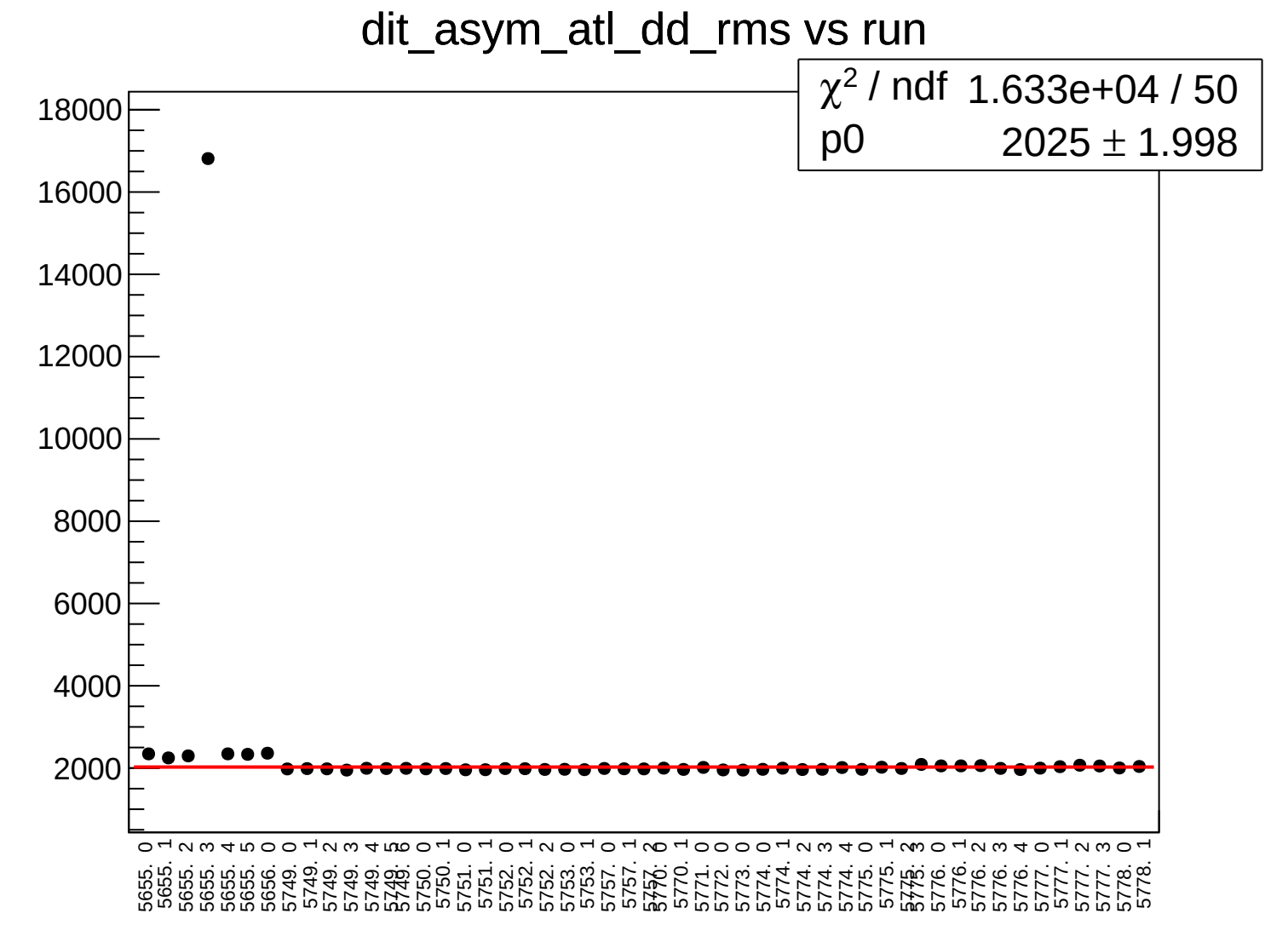

dit_asym_atl_avg_rms vs run
χ² / ndf 2.644e+04 / 50
p0 2197 ± 2.179
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

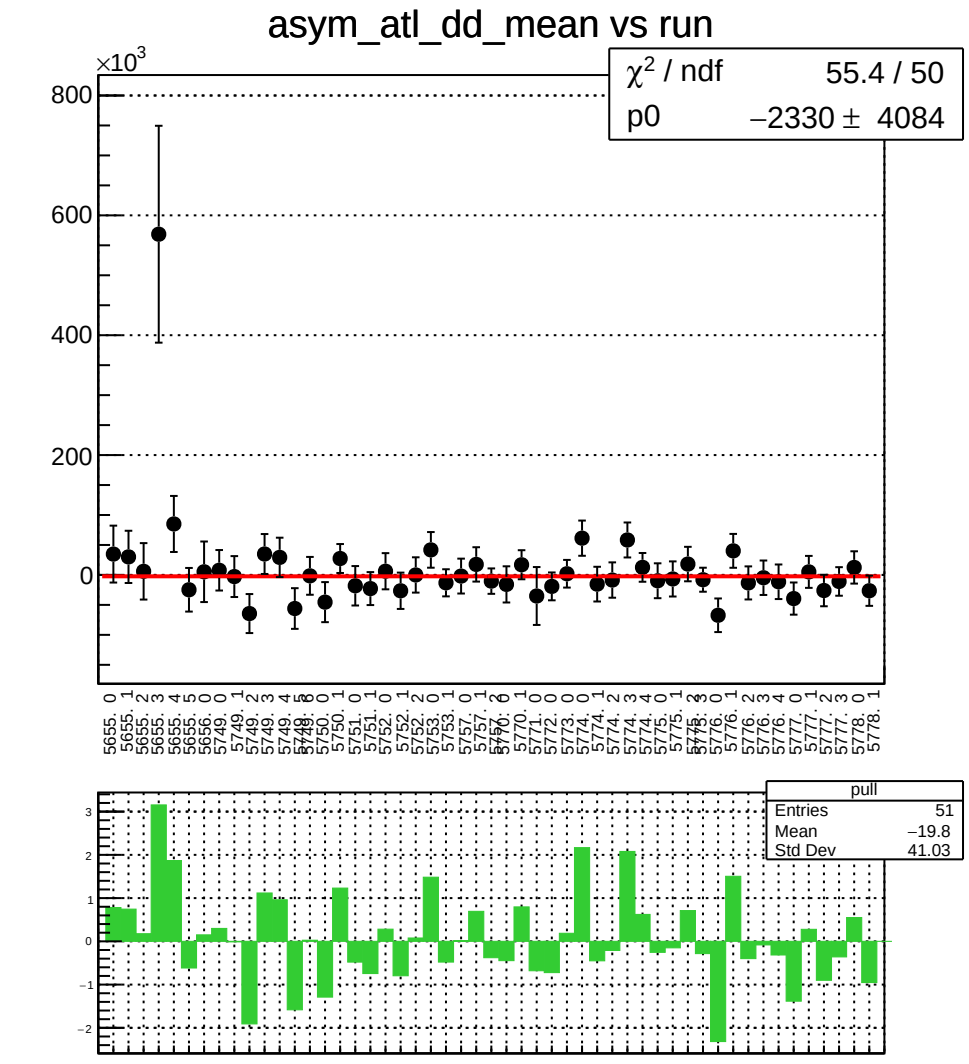

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 58.35 / 50
p0 −57.31± 7031
200
0
−200
−400
−600
−800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 51
Mean 8.164
Std Dev 27.71
2
1
0
−1
−2
−3
pull1D
Entries 51
Mean −0.07093
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

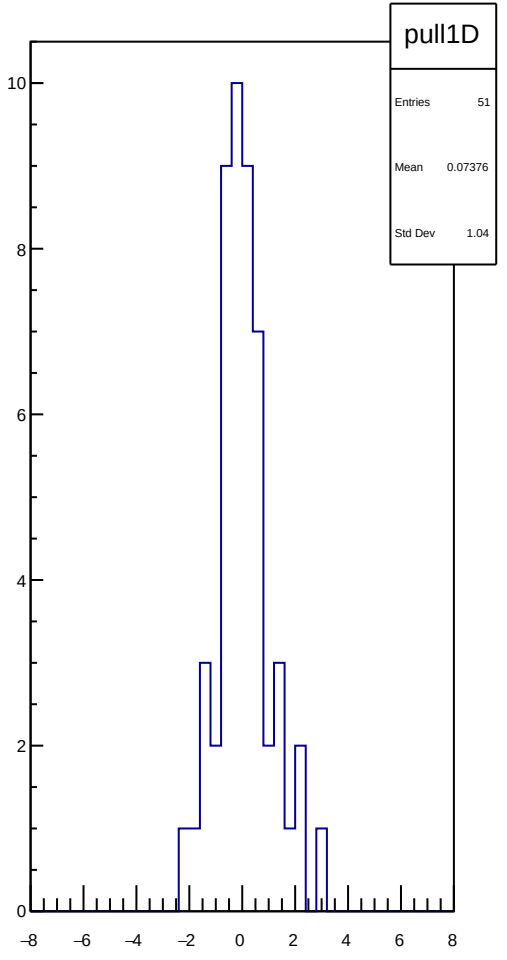

asym_atl_avg_rms vs run
χ² / ndf 1.588e+04 / 50
p0 5040 ± 4.972
18000
16000
14000
12000
10000
8000
6000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

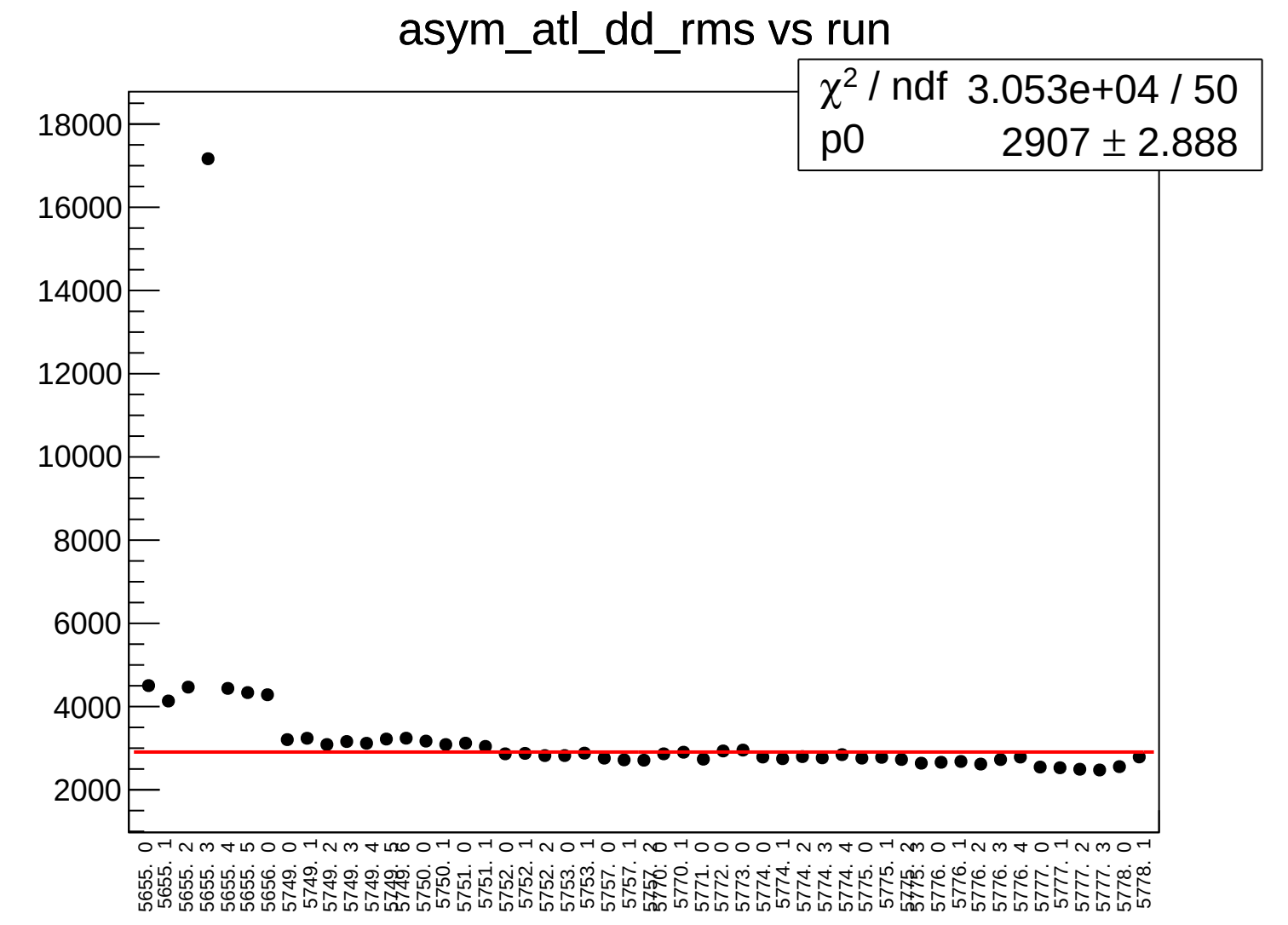

dit_asym_atl_dd_mean vs run
χ² / ndf 69.84 / 50
p0 113.6 ± 2825
×10³
pull
Entries 51
Mean −40.05
Std Dev 65.33

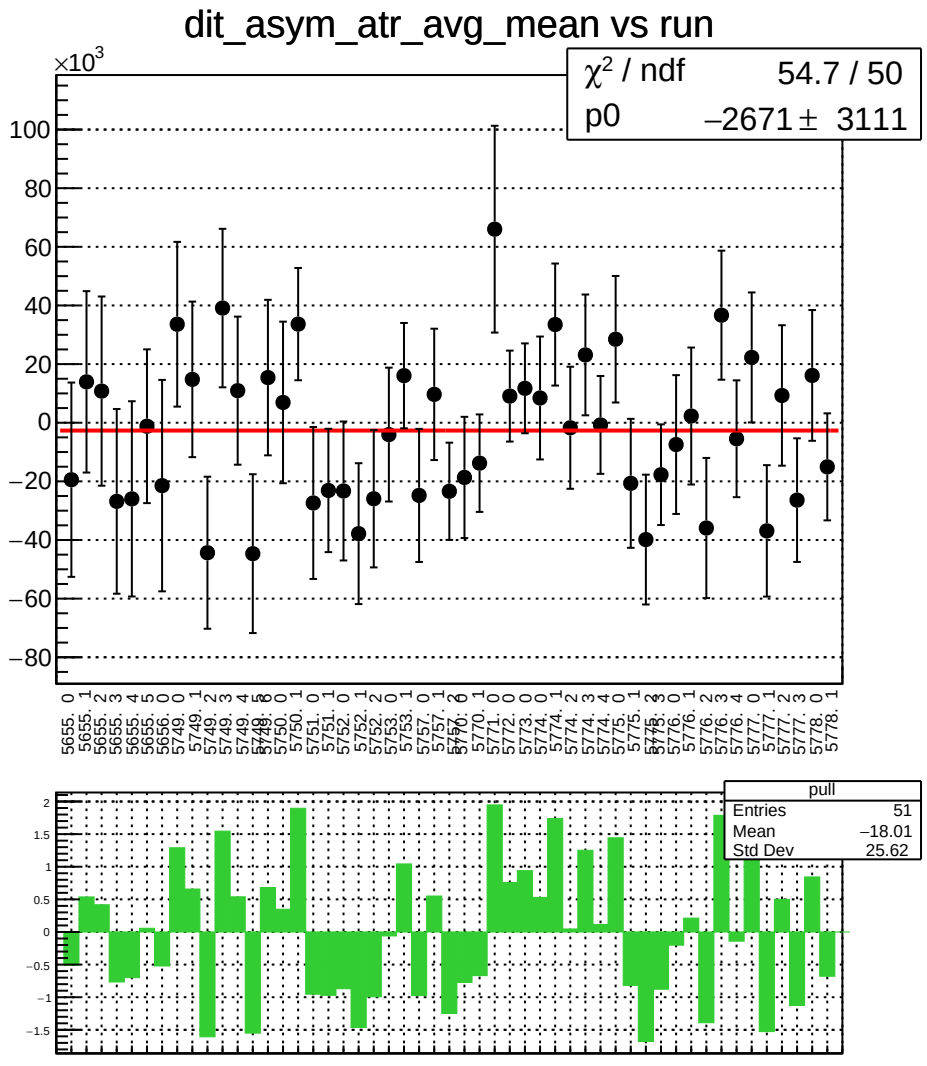

pull1D
Entries 51
Mean 0.06097
Std Dev 1.169

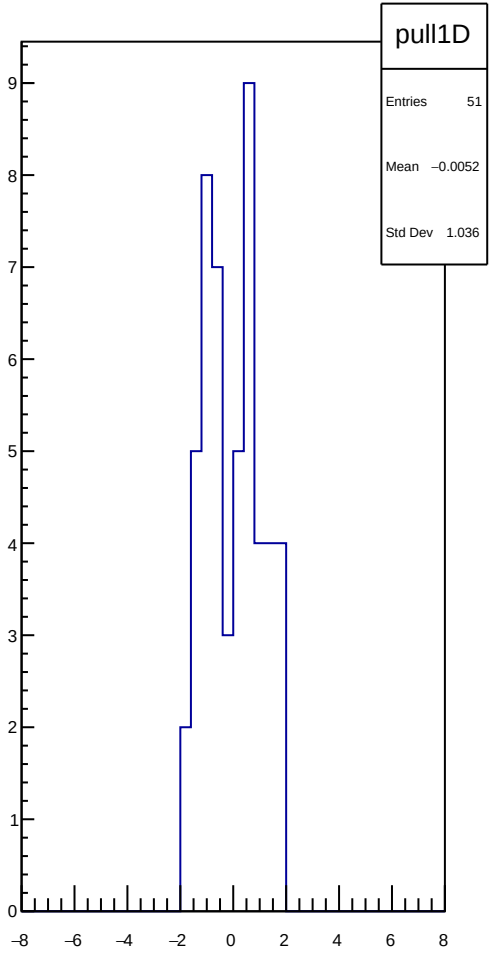

dit_asym_atl_dd_rms vs run
χ² / ndf 1.633e+04 / 50
p0 2025 ± 1.998
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

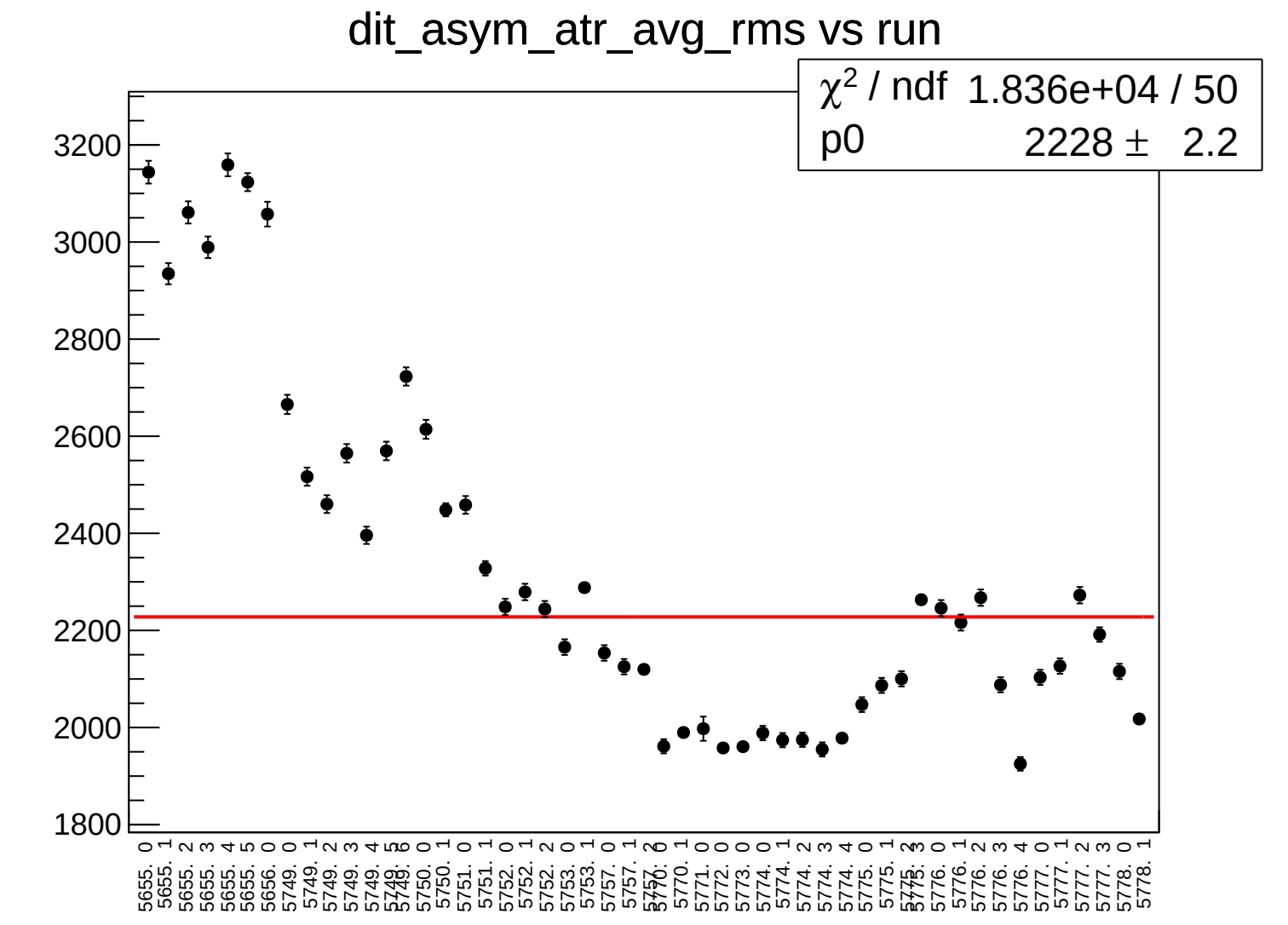

asym_atl_dd_mean vs run
×10^3
χ² / ndf 55.4 / 50
p0 −2330 ± 4084
800
600
400
200
0
pull
Entries 51
Mean −19.8
Std Dev 41.03
3
2
1
0
−1
−2

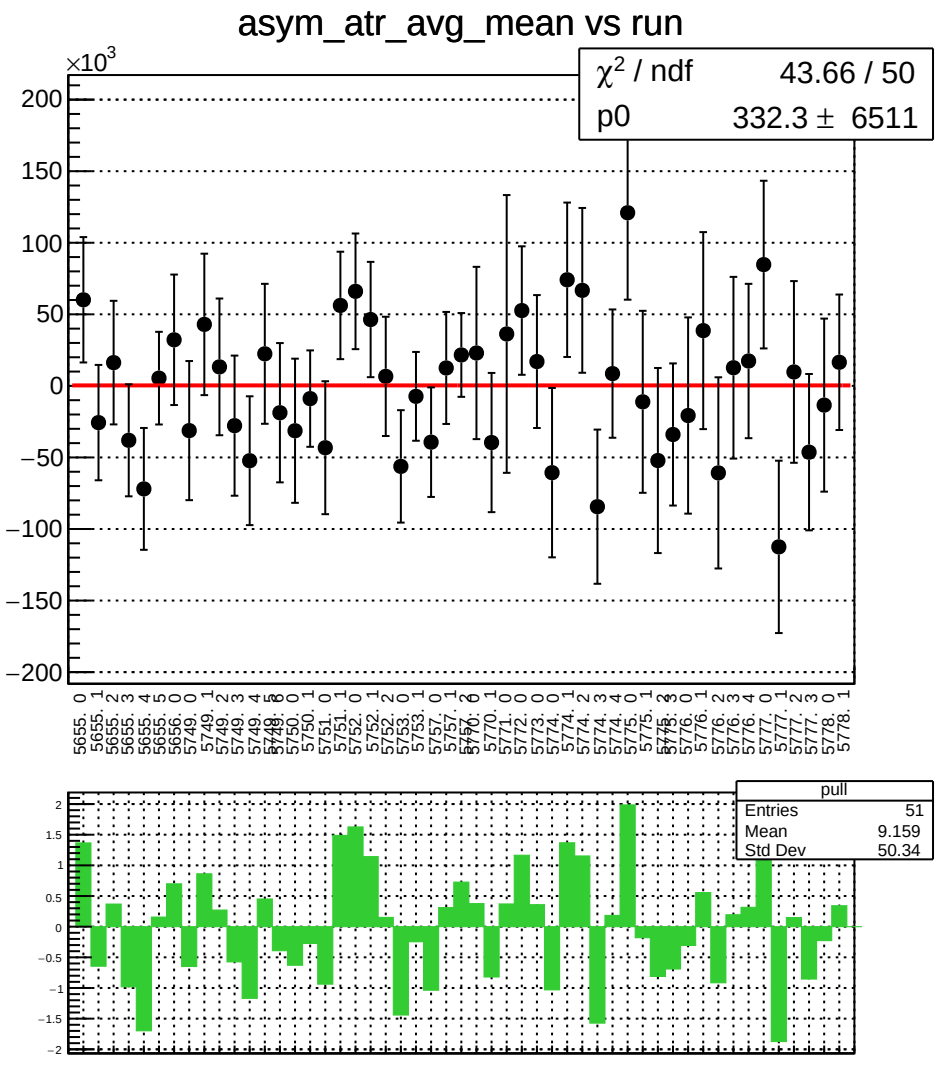

pull1D
Entries 51
Mean 0.07376
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

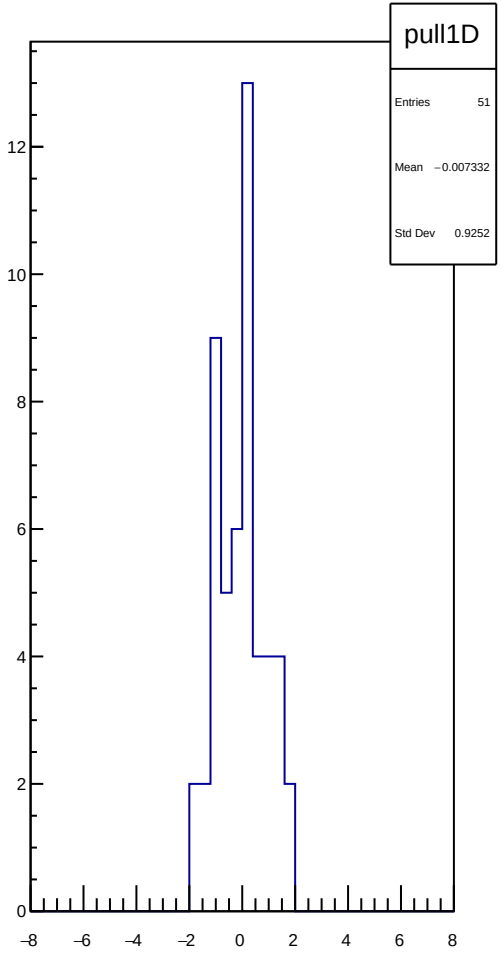

asym_atl_dd_rms vs run
χ^2 / ndf 3.053e+04 / 50
p0 2907 ± 2.888
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

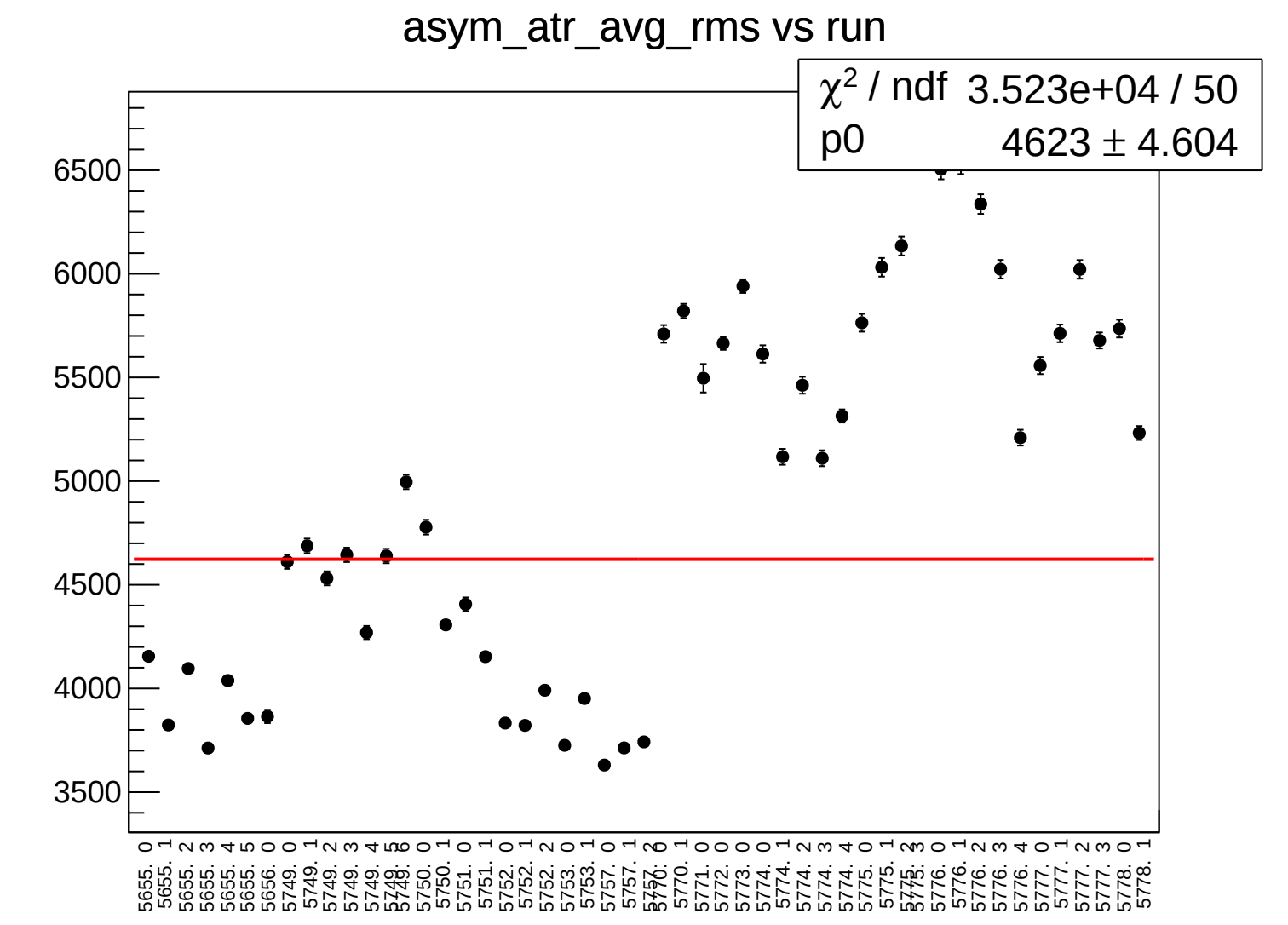

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 54.7 / 50
p0 −2671 ± 3111
pull
Entries 51
Mean −18.01
Std Dev 25.62

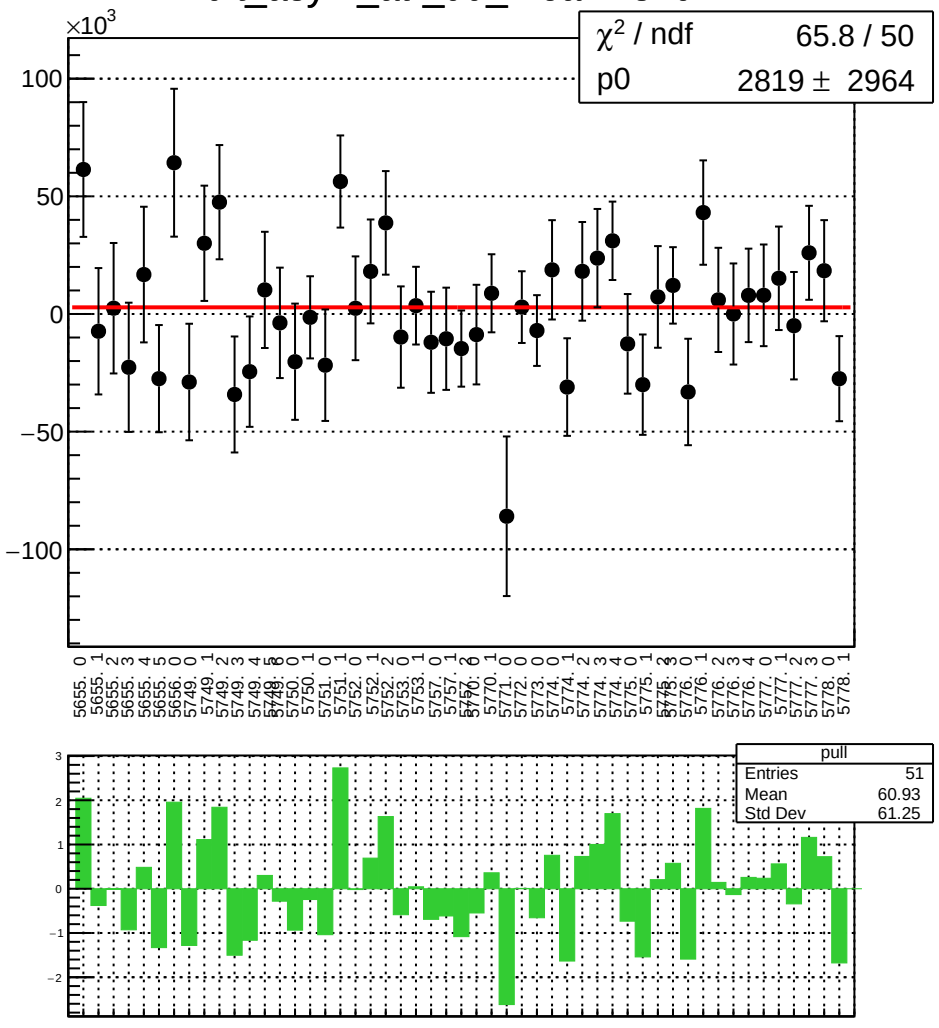

pull1D
Entries 51
Mean −0.0052
Std Dev 1.036

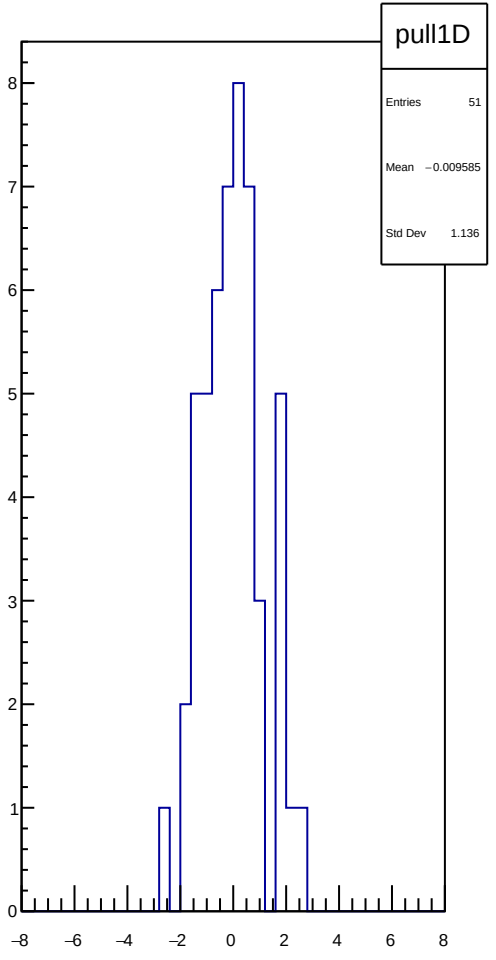

dit_asym_atr_avg_rms vs run
χ² / ndf 1.836e+04 / 50
p0 2228 ± 2.2
3200
3000
2800
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

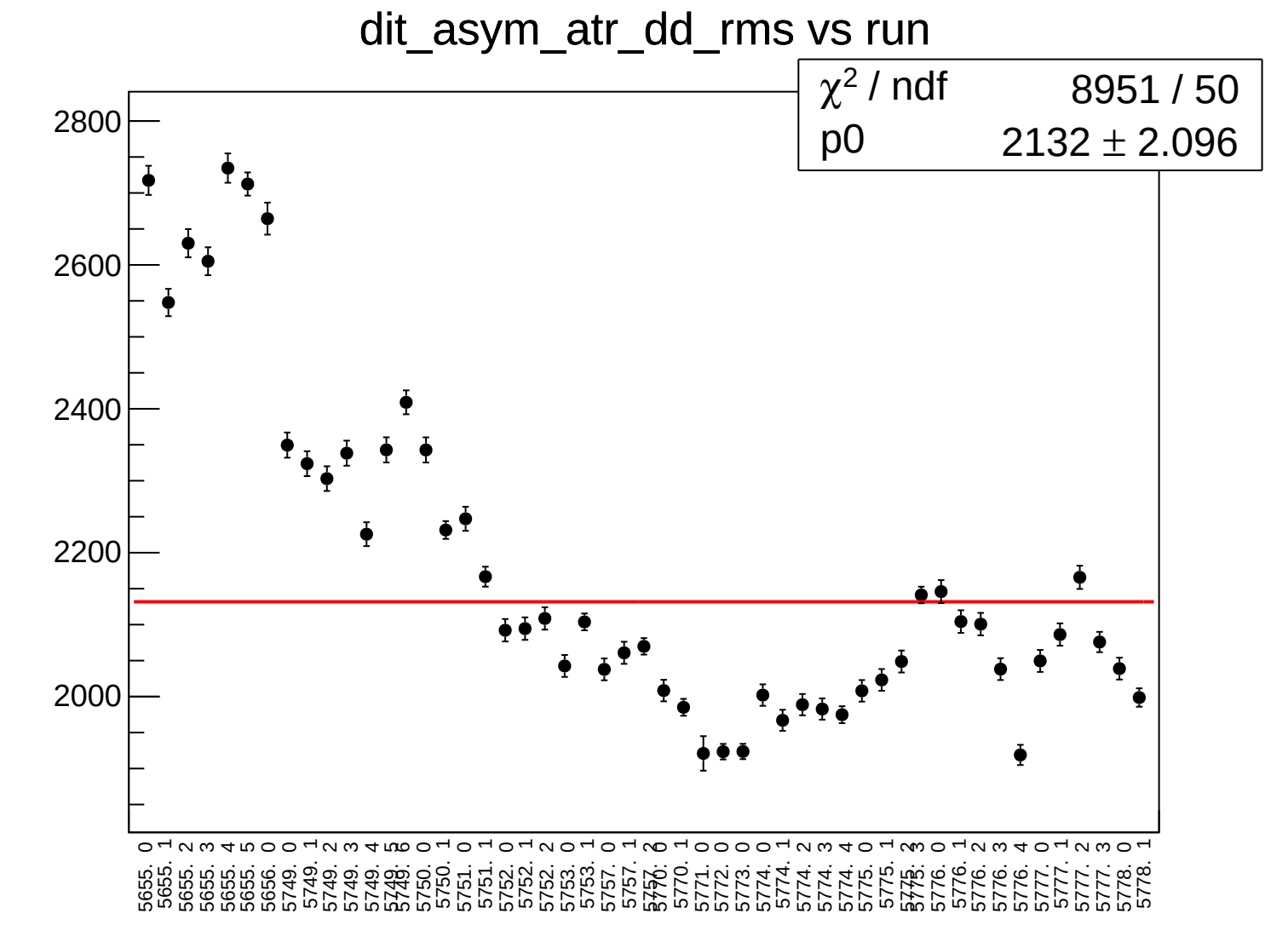

asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.66 / 50
p0 332.3 ± 6511
200
150
100
50
0
−50
−100
−150
−200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 51
Mean 9.159
Std Dev 50.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

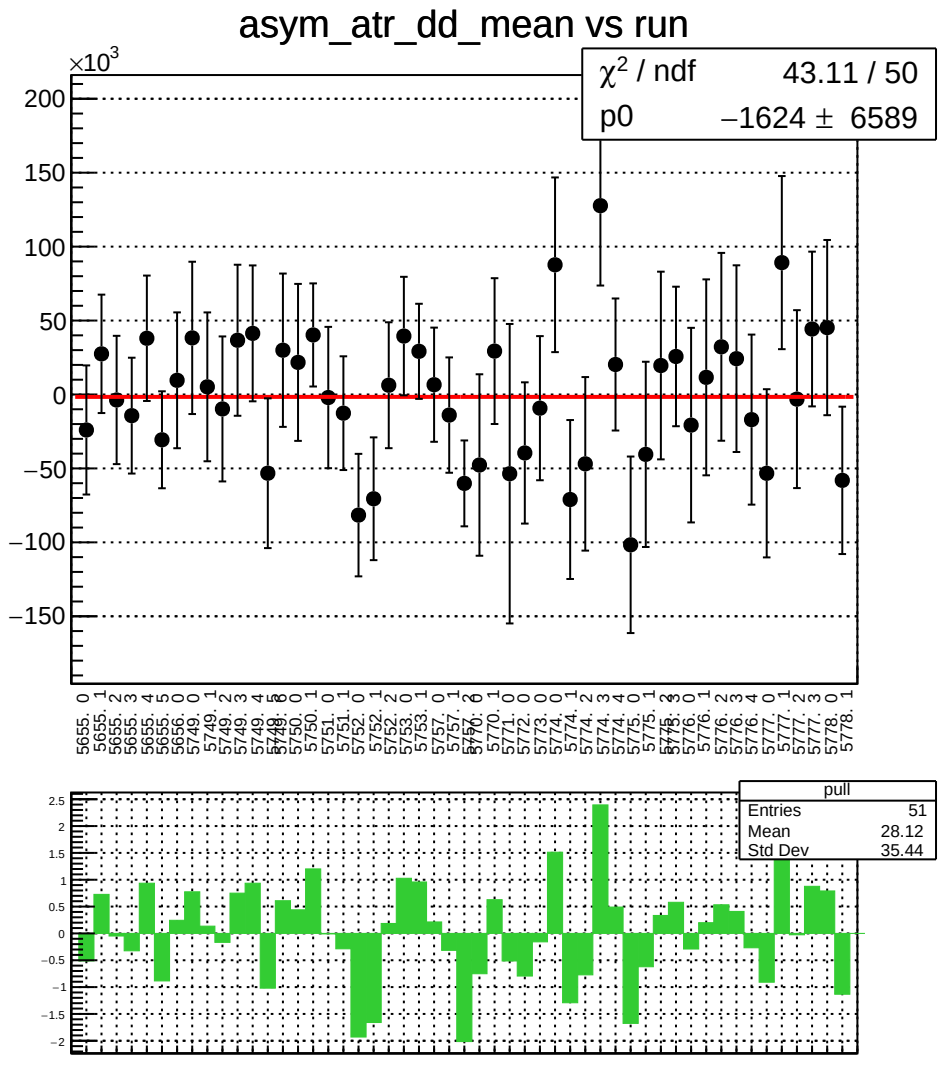

pull1D
Entries 51
Mean −0.007332
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

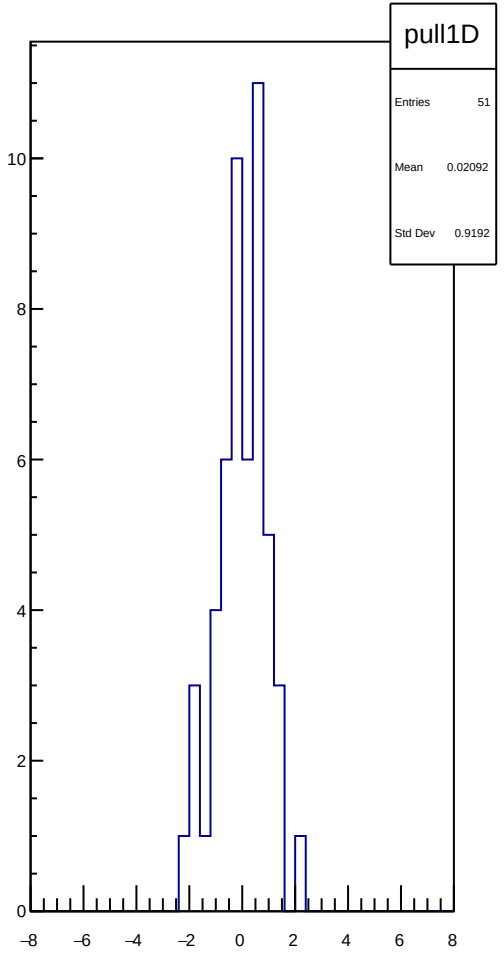

asym_atr_avg_rms vs run
χ² / ndf 3.523e+04 / 50
p0 4623 ± 4.604
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

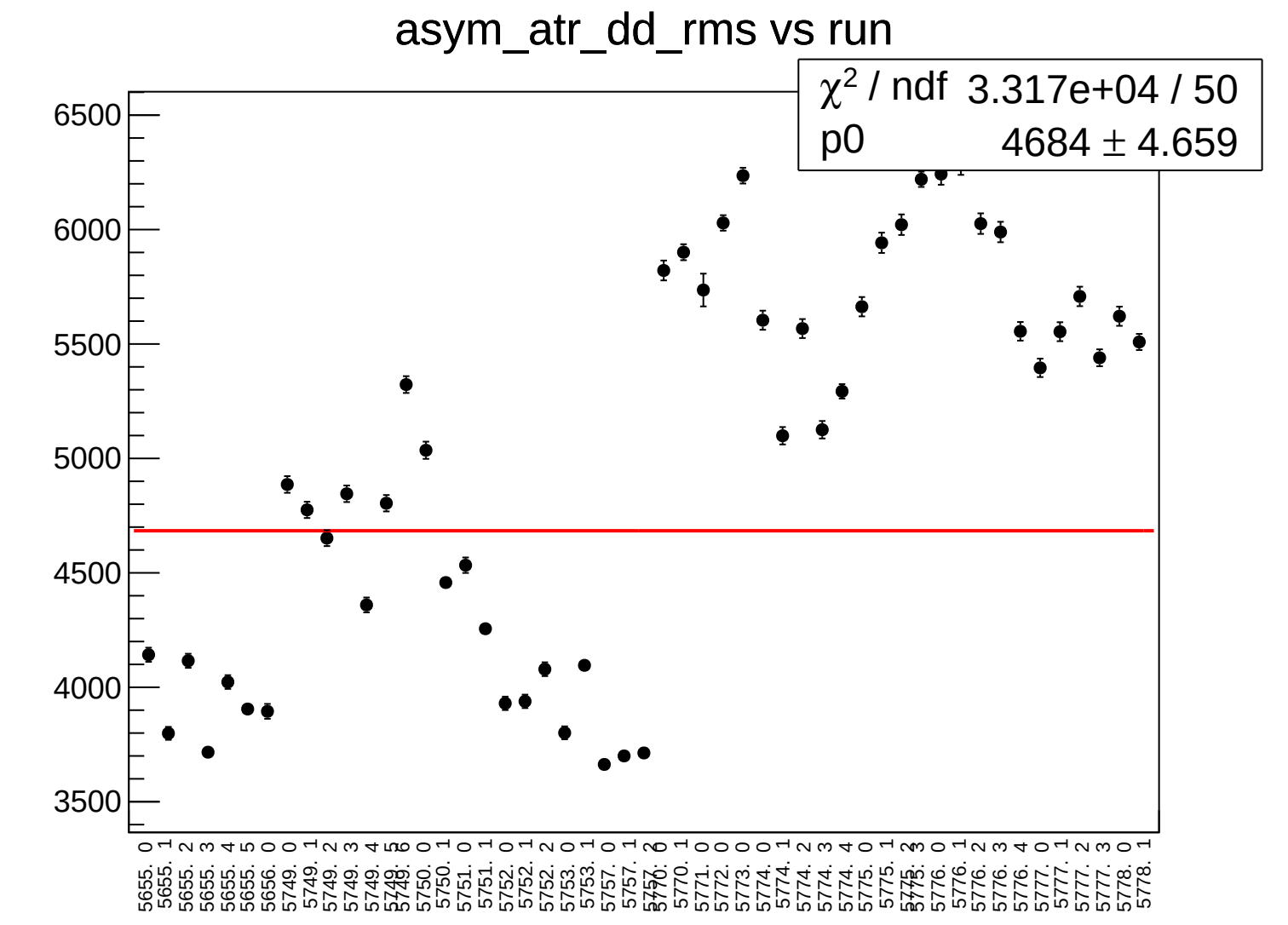

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 65.8 / 50
p0 2819 ± 2964
pull
Entries 51
Mean 60.93
Std Dev 61.25

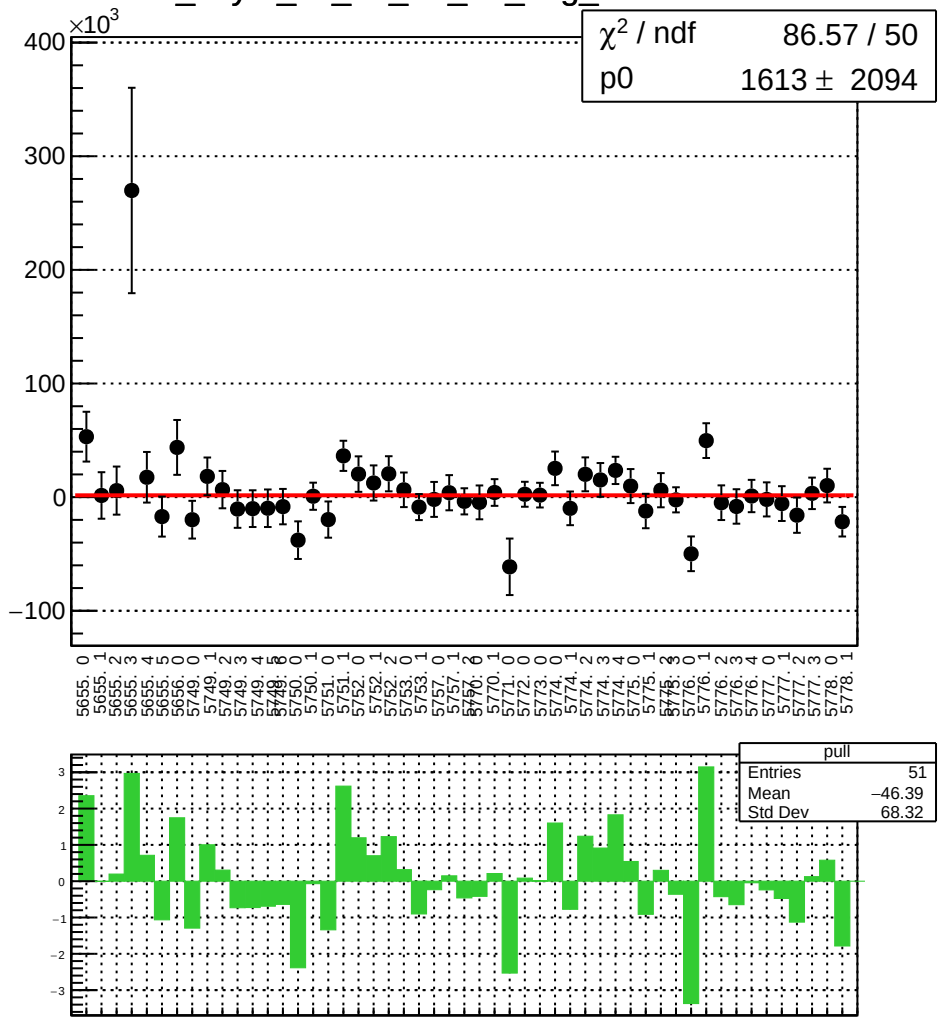

pull1D
Entries 51
Mean −0.009585
Std Dev 1.136

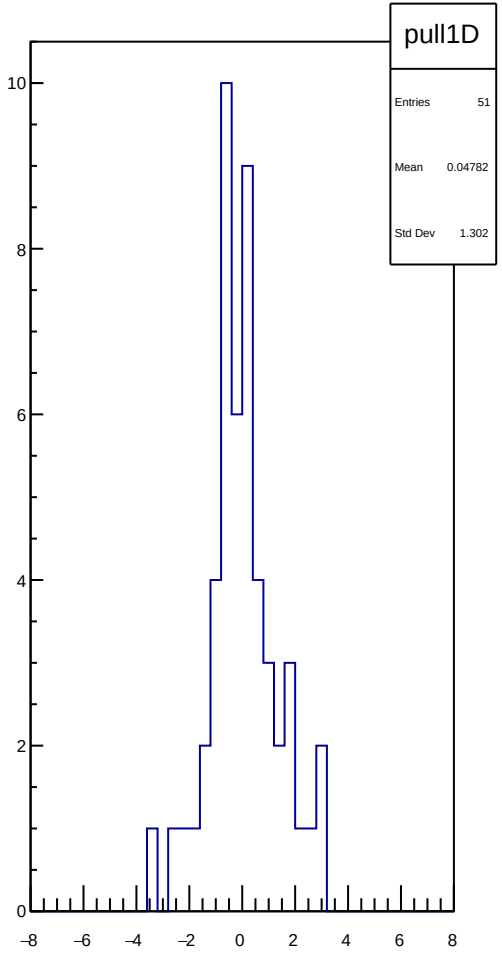

dit_asym_atr_dd_rms vs run
χ² / ndf 8951 / 50
p0 2132 ± 2.096
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

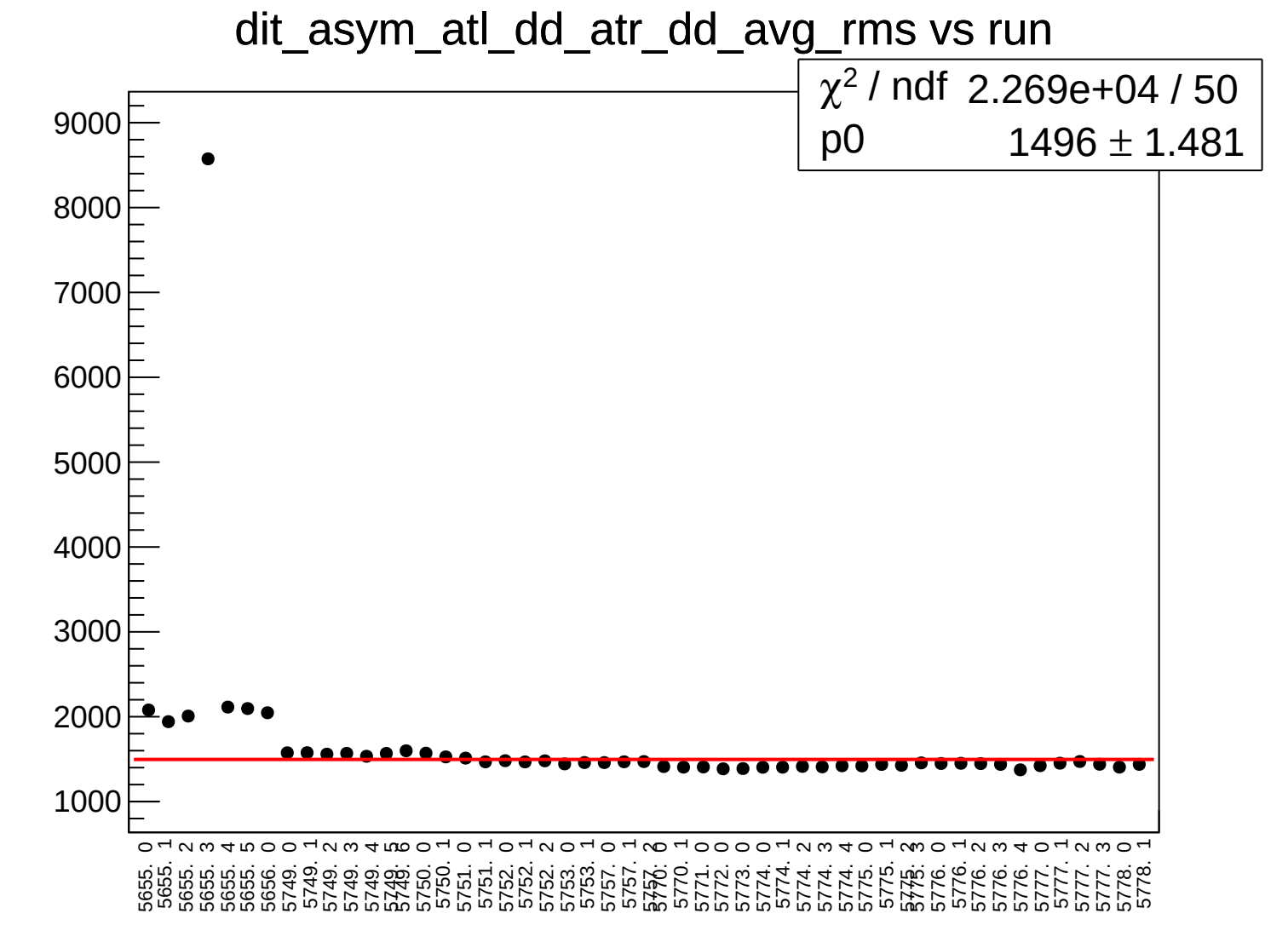

asym_atr_dd_mean vs run
×10^3
χ² / ndf 43.11 / 50
p0 −1624 ± 6589
200
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 28.12
Std Dev 35.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

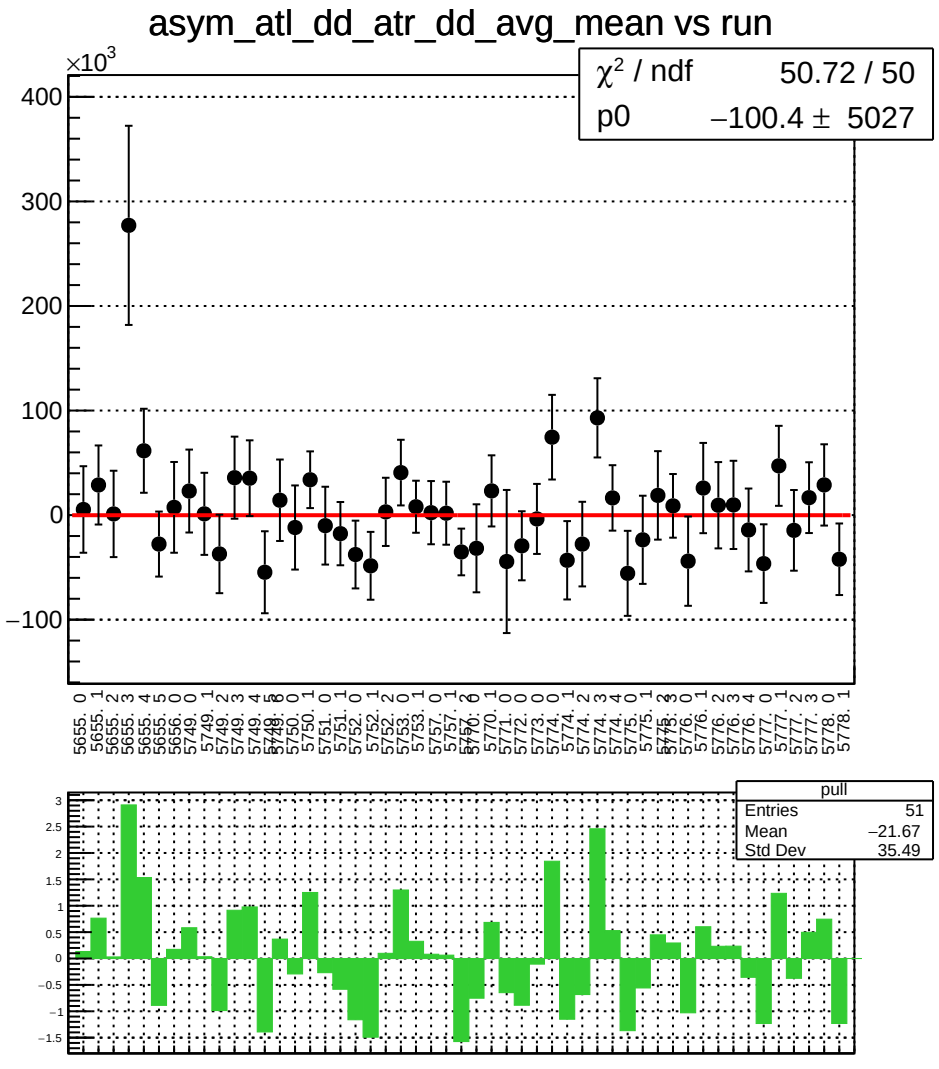

pull1D
Entries 51
Mean 0.02092
Std Dev 0.9192
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

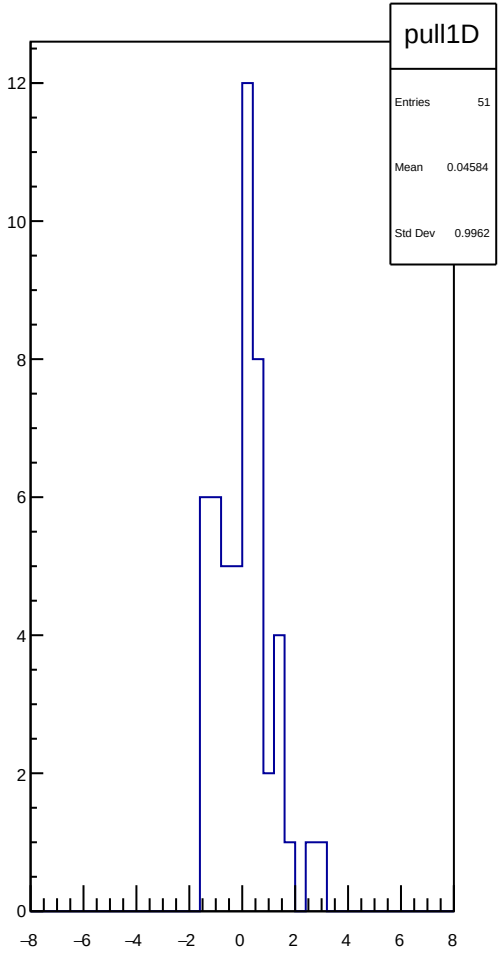

asym_atr_dd_rms vs run
χ² / ndf 3.317e+04 / 50
p0 4684 ± 4.659
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

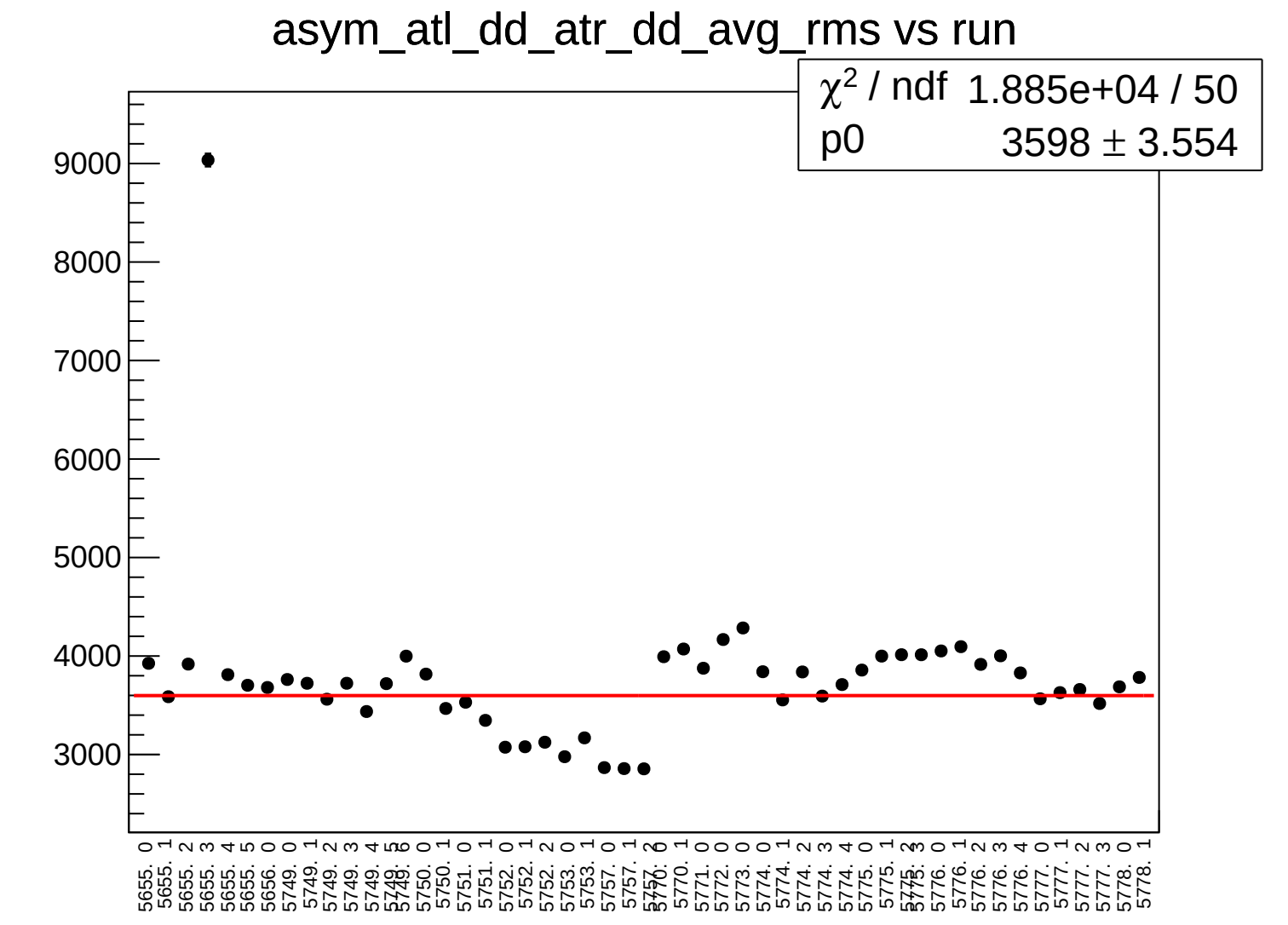

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
400
300
200
100
0
−100
χ² / ndf 86.57 / 50
p0 1613 ± 2094
pull
Entries 51
Mean −46.39
Std Dev 68.32
3
2
1
0
−1
−2
−3

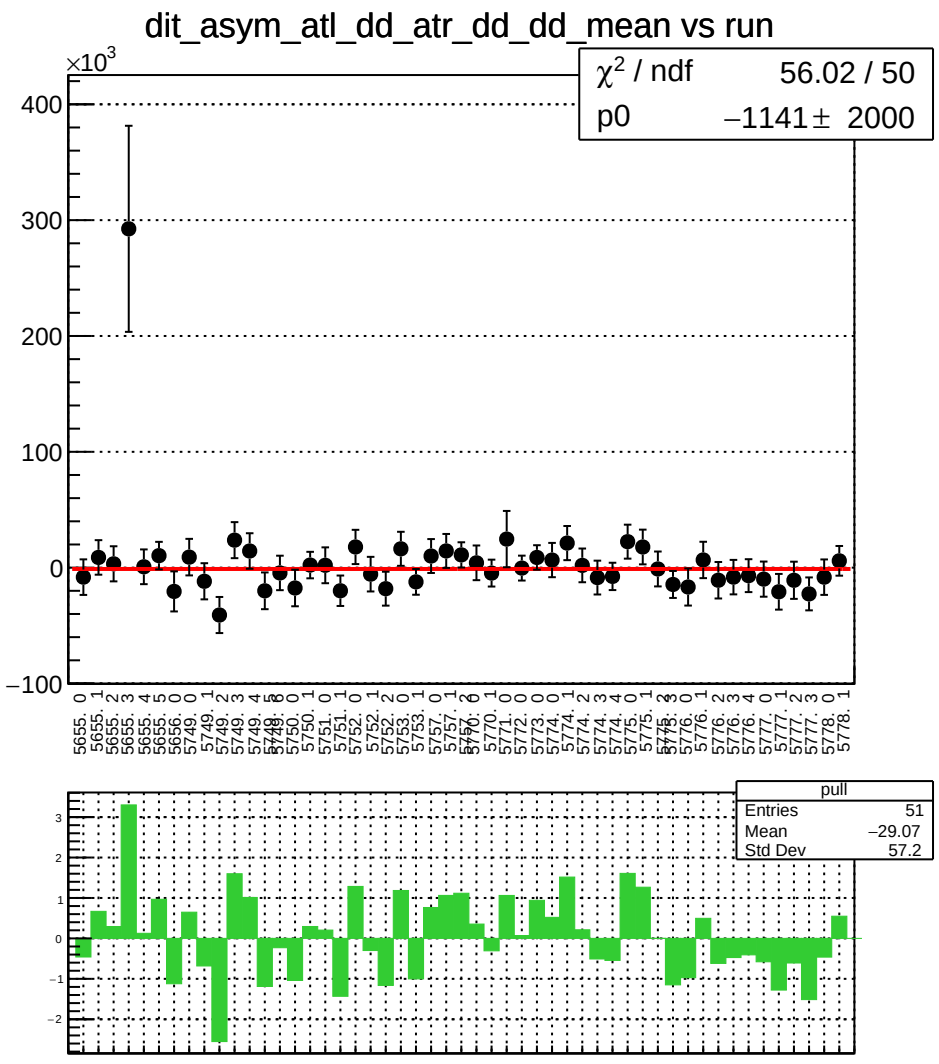

pull1D
Entries 51
Mean 0.04782
Std Dev 1.302
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

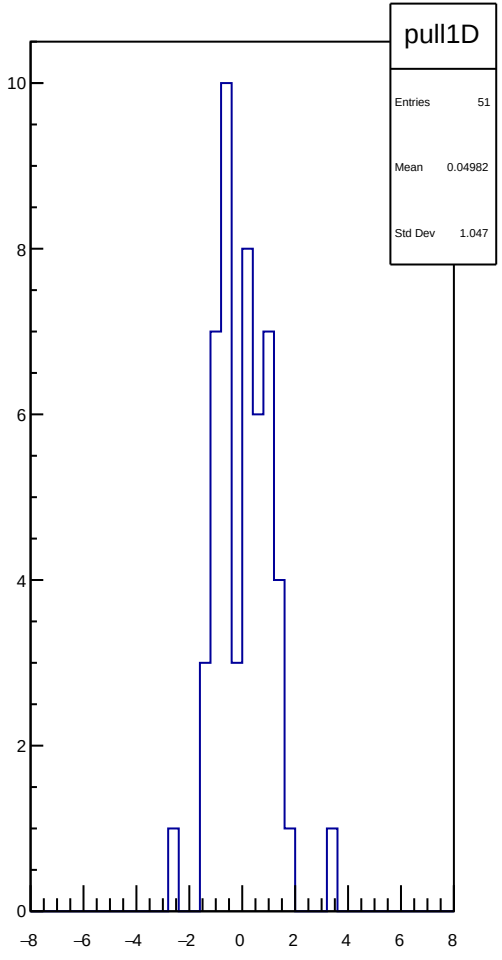

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.269e+04 / 50
p0 1496 ± 1.481
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

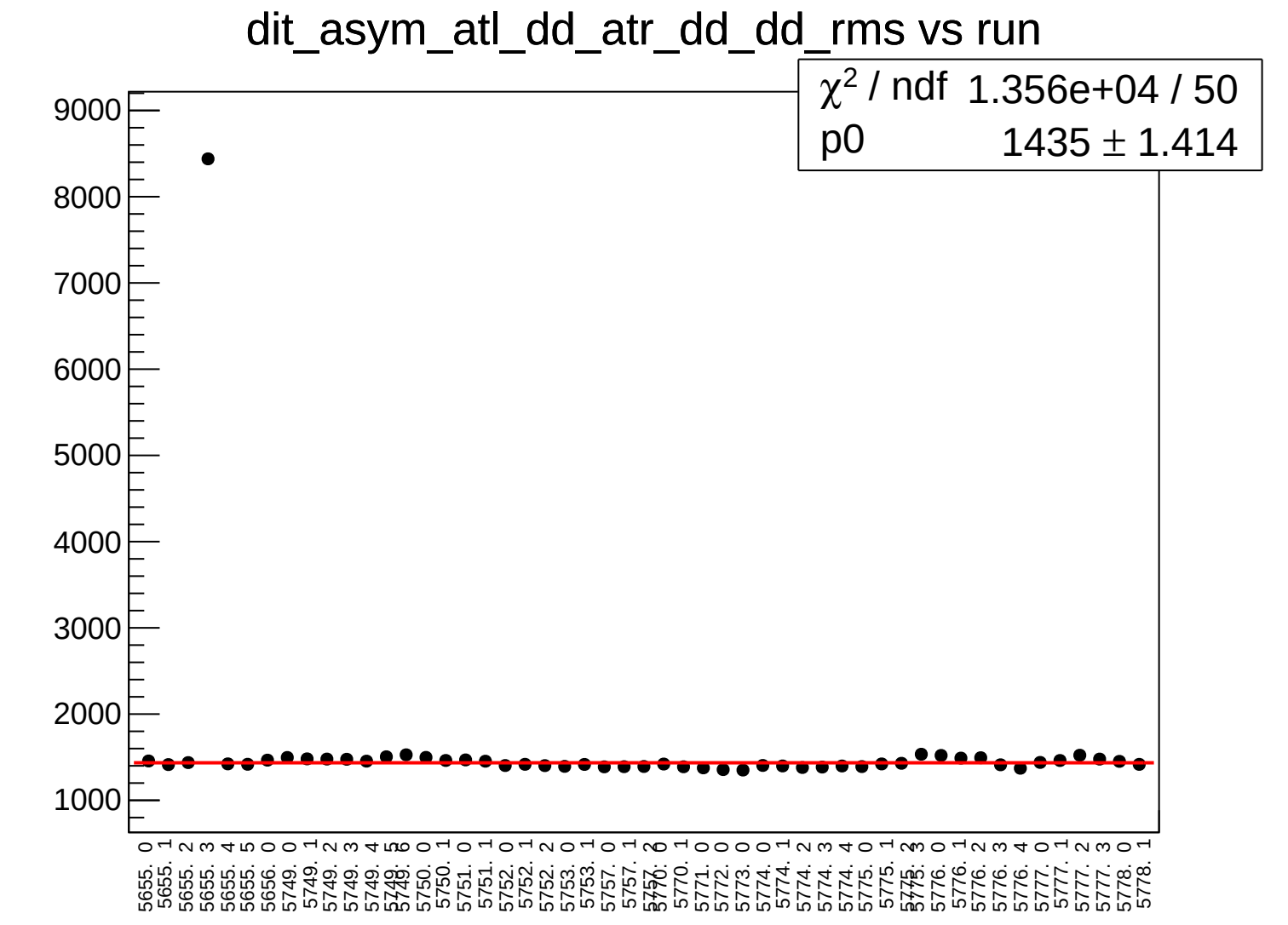

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 50.72 / 50
p0 −100.4 ± 5027
pull
Entries 51
Mean −21.67
Std Dev 35.49

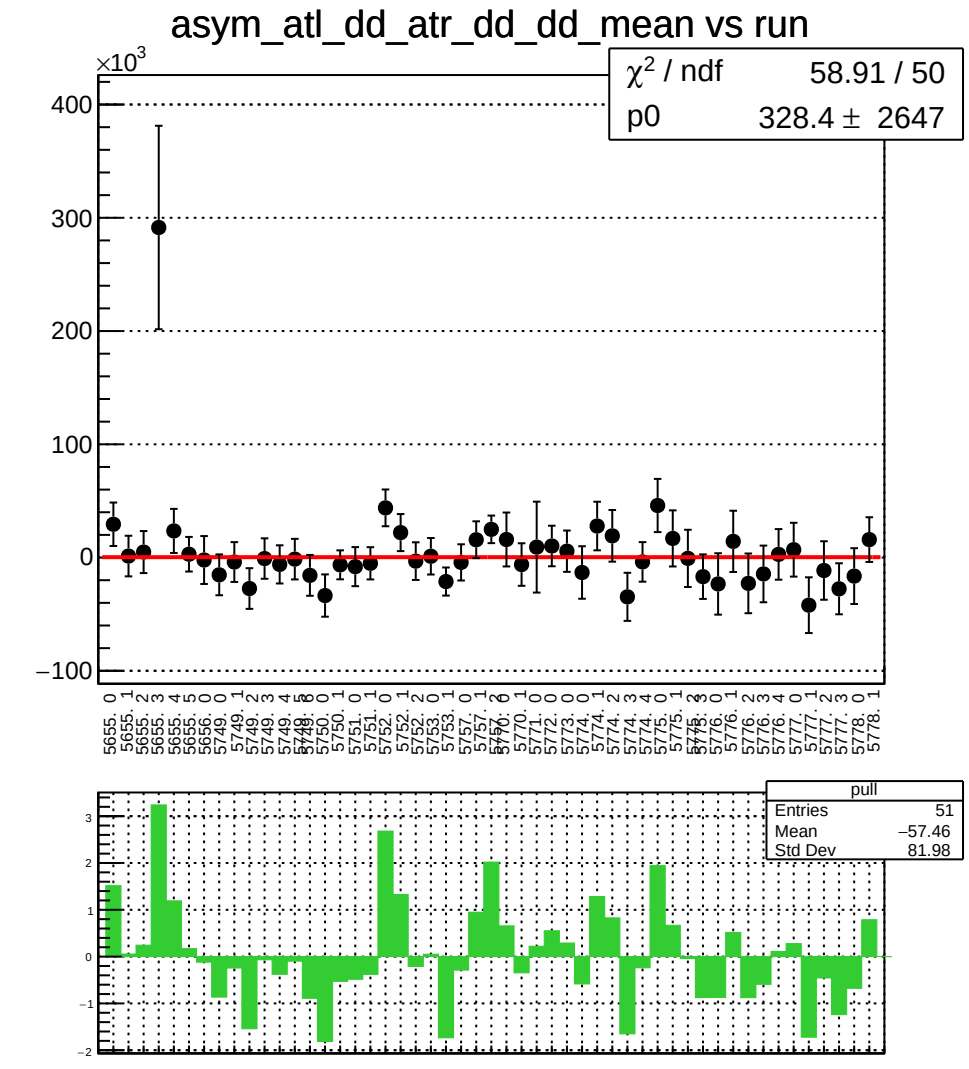

pull1D
Entries 51
Mean 0.04584
Std Dev 0.9962

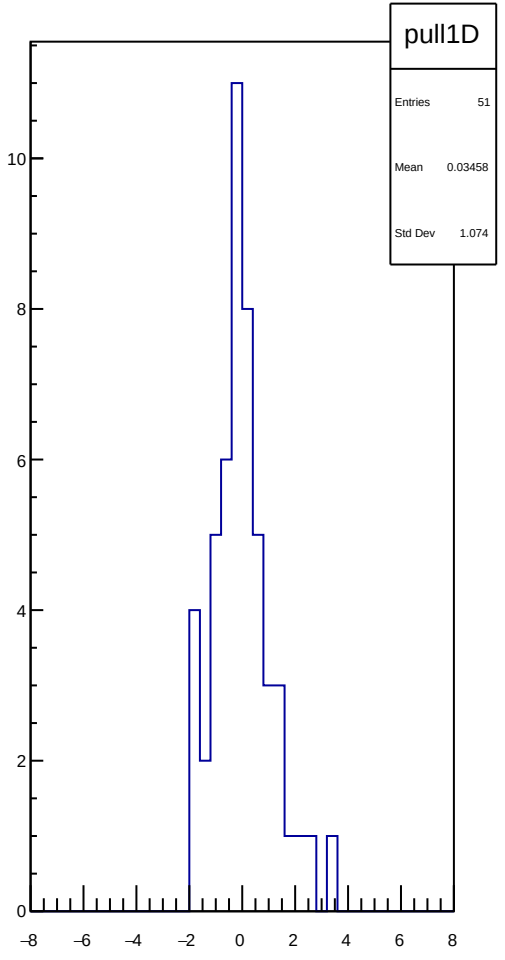

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.885e+04 / 50
p0 3598 ± 3.554
9000
8000
7000
6000
5000
4000
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

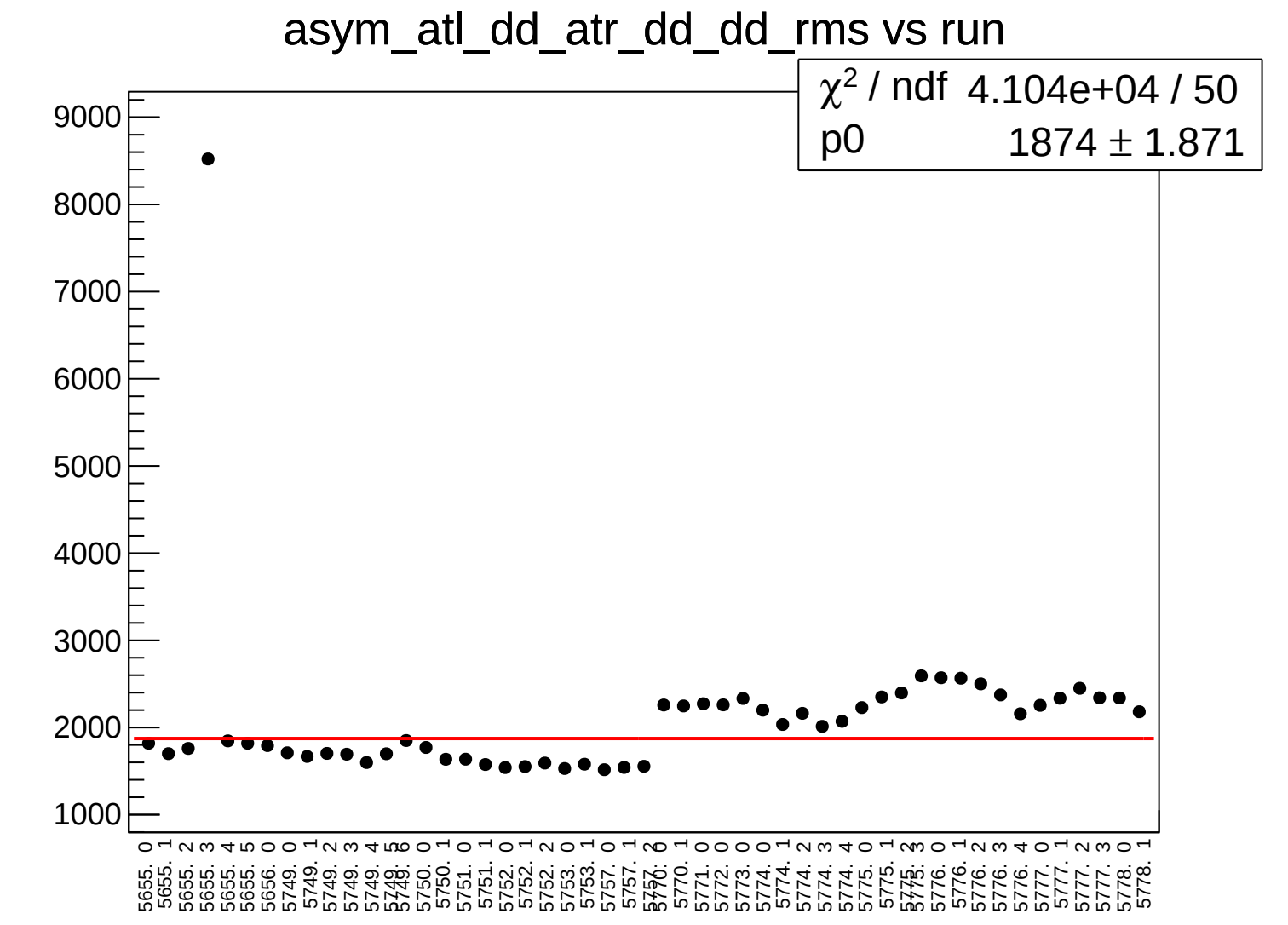

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 56.02 / 50
p0 −1141 ± 2000
×10³
pull
Entries 51
Mean −29.07
Std Dev 57.2

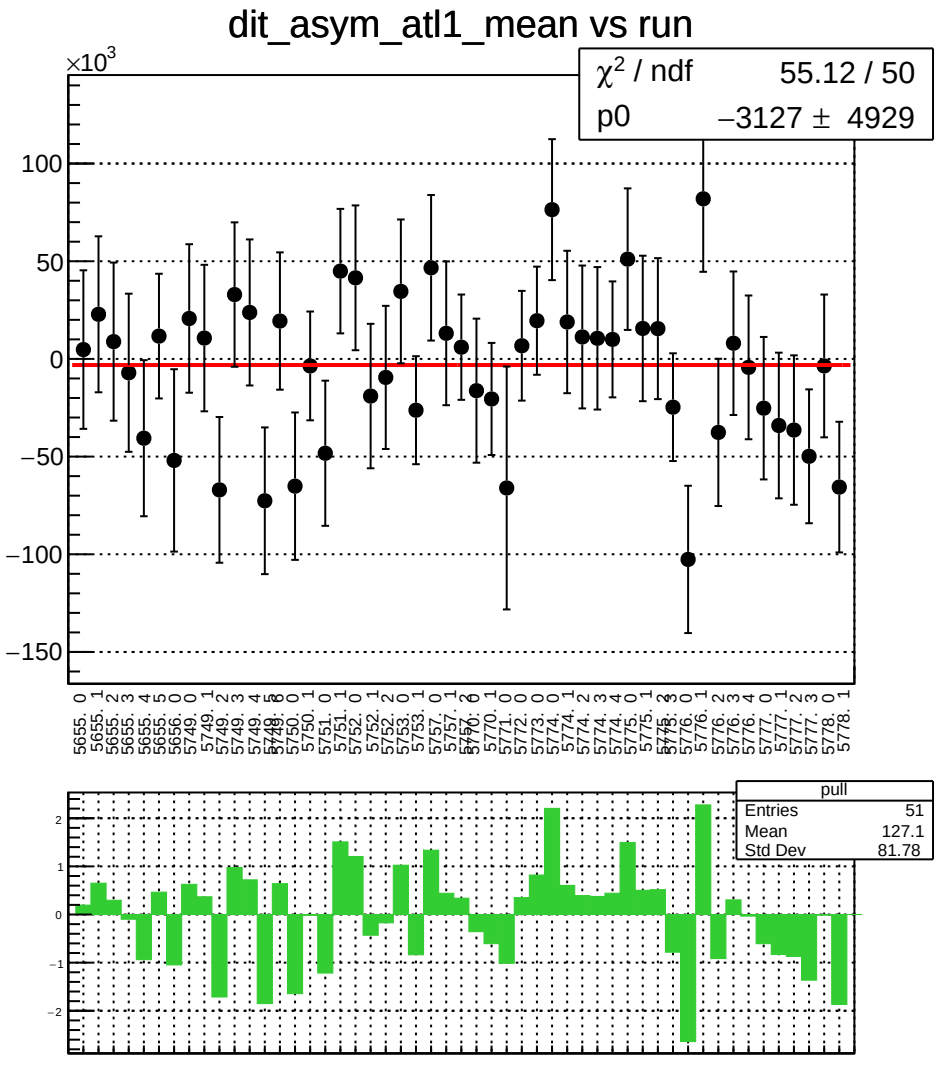

pull1D
Entries 51
Mean 0.04982
Std Dev 1.047

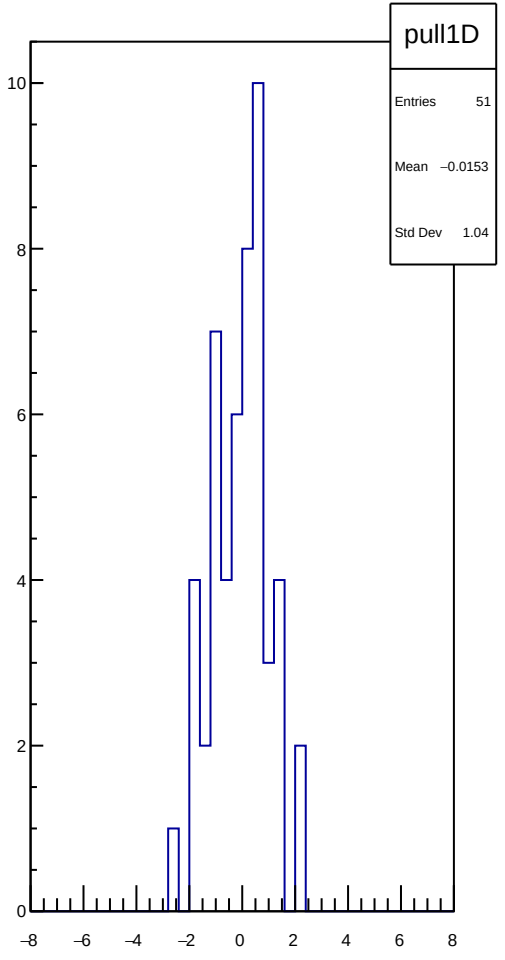

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.356e+04 / 50
p0 1435 ± 1.414
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

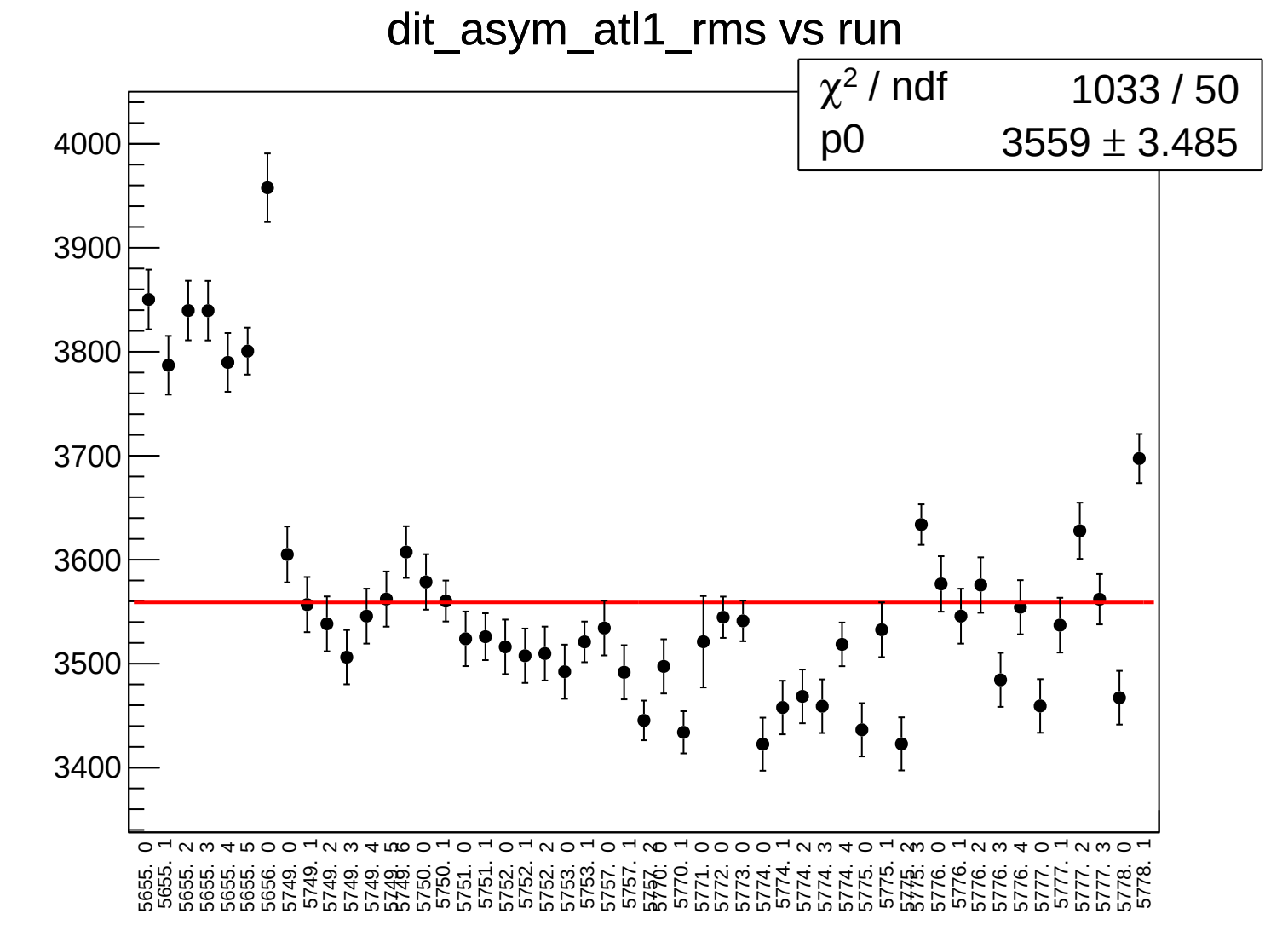

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 58.91 / 50
p0 328.4 ± 2647
pull
Entries 51
Mean −57.46
Std Dev 81.98

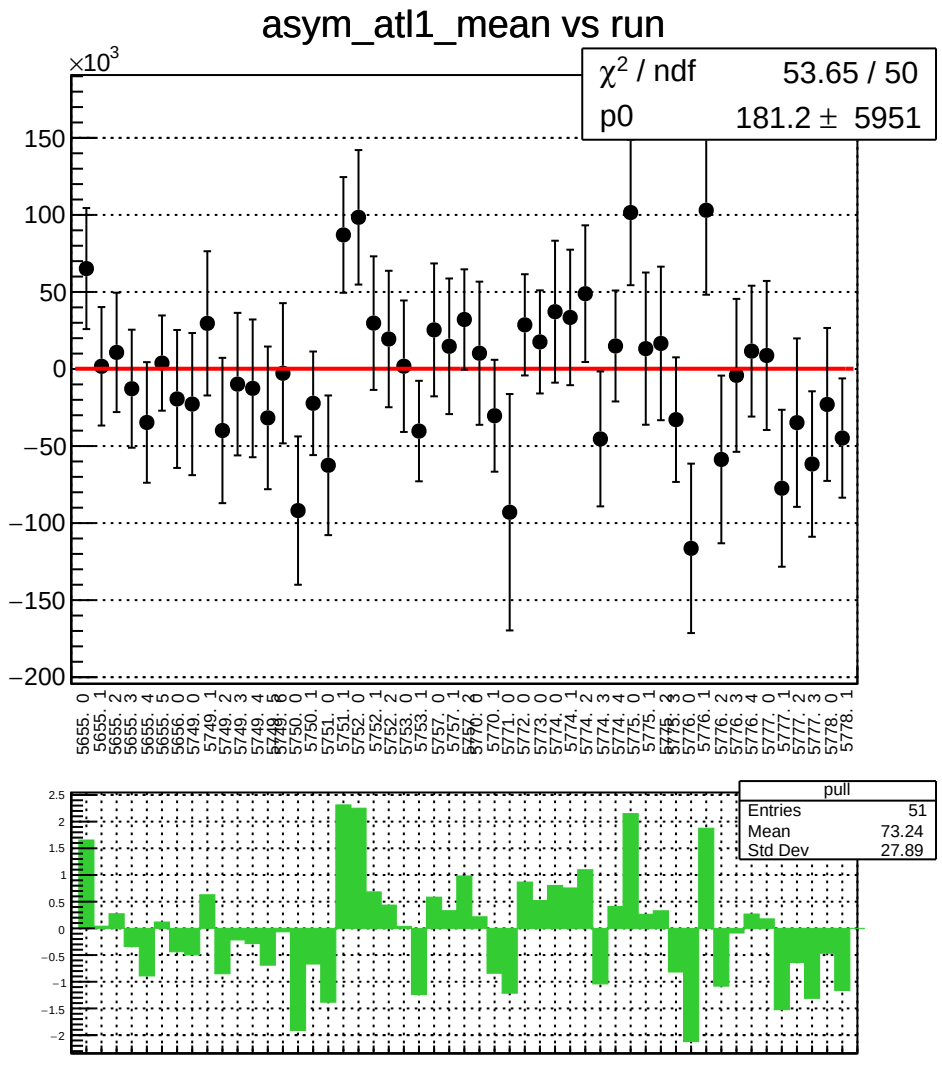

pull1D
Entries 51
Mean 0.03458
Std Dev 1.074

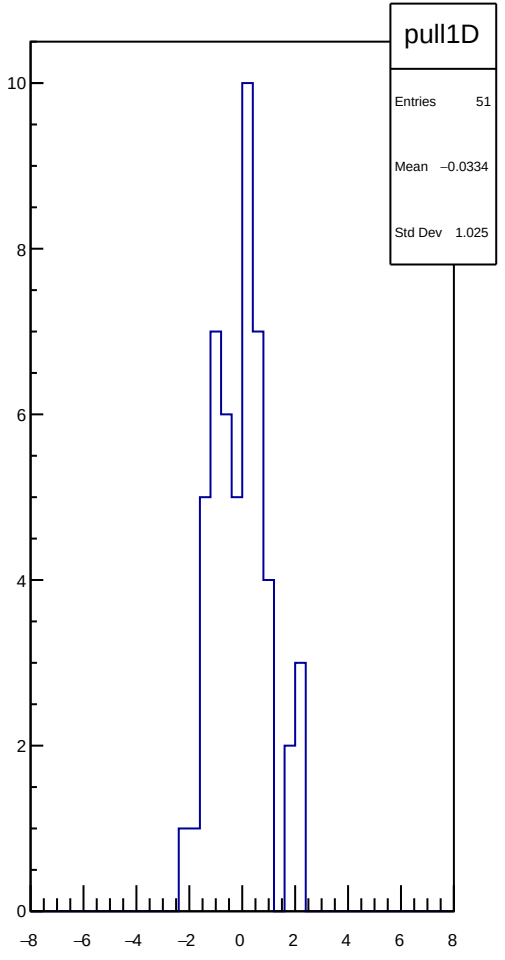

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4.104e+04 / 50
p0 1874 ± 1.871
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

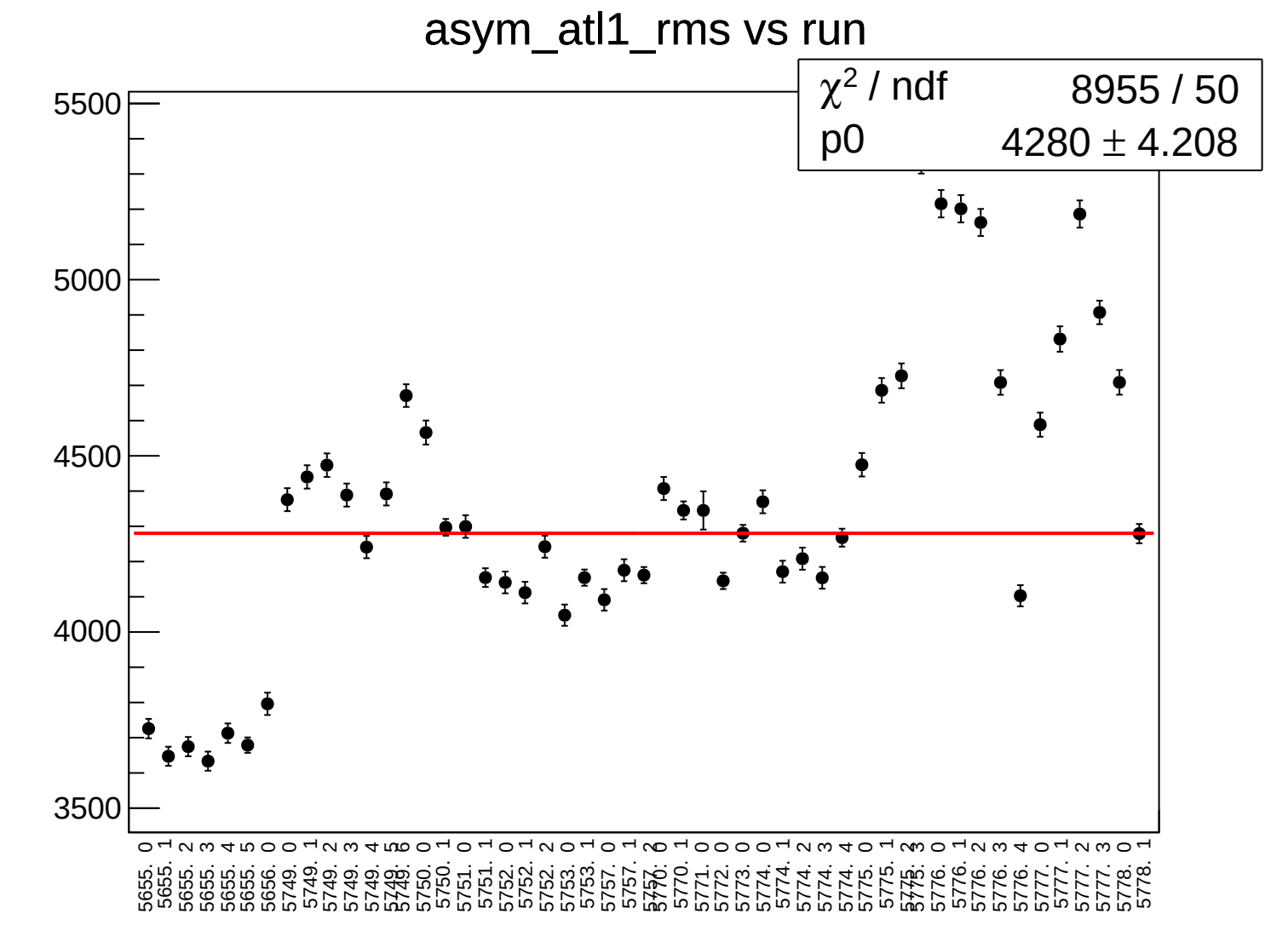

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 55.12 / 50
p0 −3127 ± 4929
100
50
0
−50
−100
−150
pull
Entries 51
Mean 127.1
Std Dev 81.78
2
1
0
−1
−2

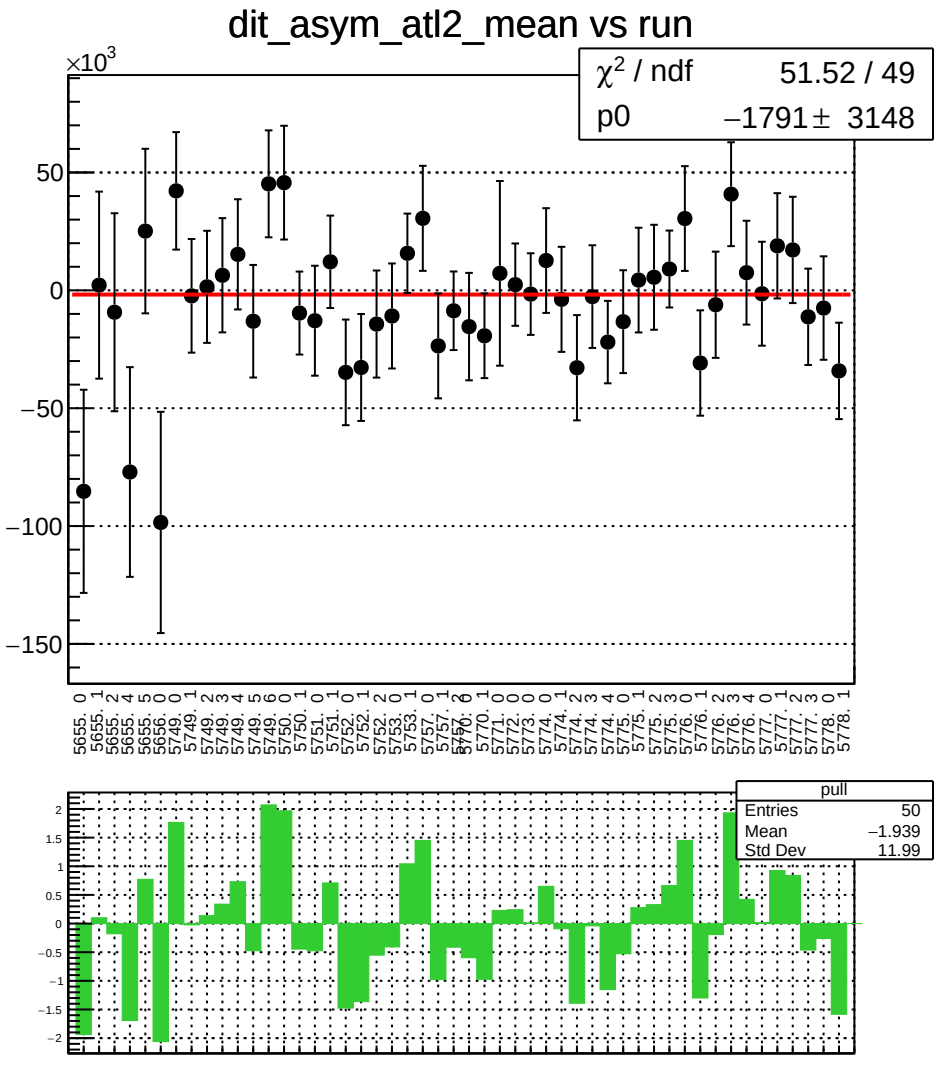

pull1D
Entries 51
Mean −0.0153
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

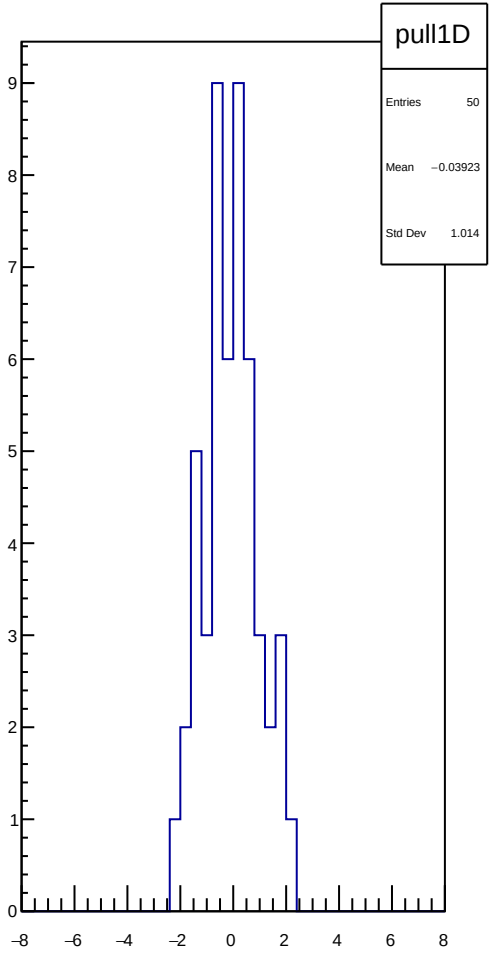

dit_asym_atl1_rms vs run
χ² / ndf 1033 / 50
p0 3559 ± 3.485
4000
3900
3800
3700
3600
3500
3400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

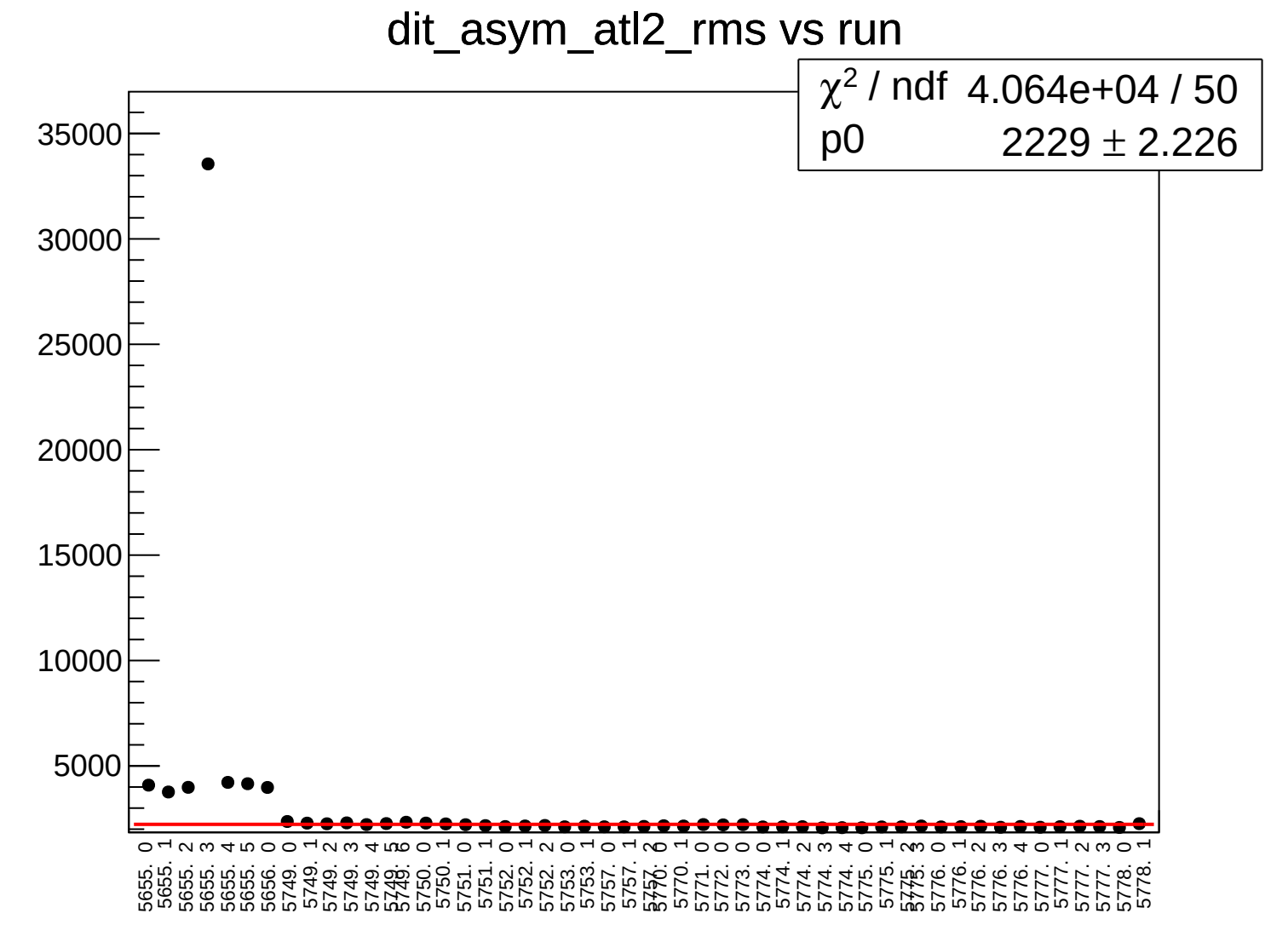

asym_atl1_mean vs run
×10^3
χ² / ndf 53.65 / 50
p0 181.2 ± 5951
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 73.24
Std Dev 27.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

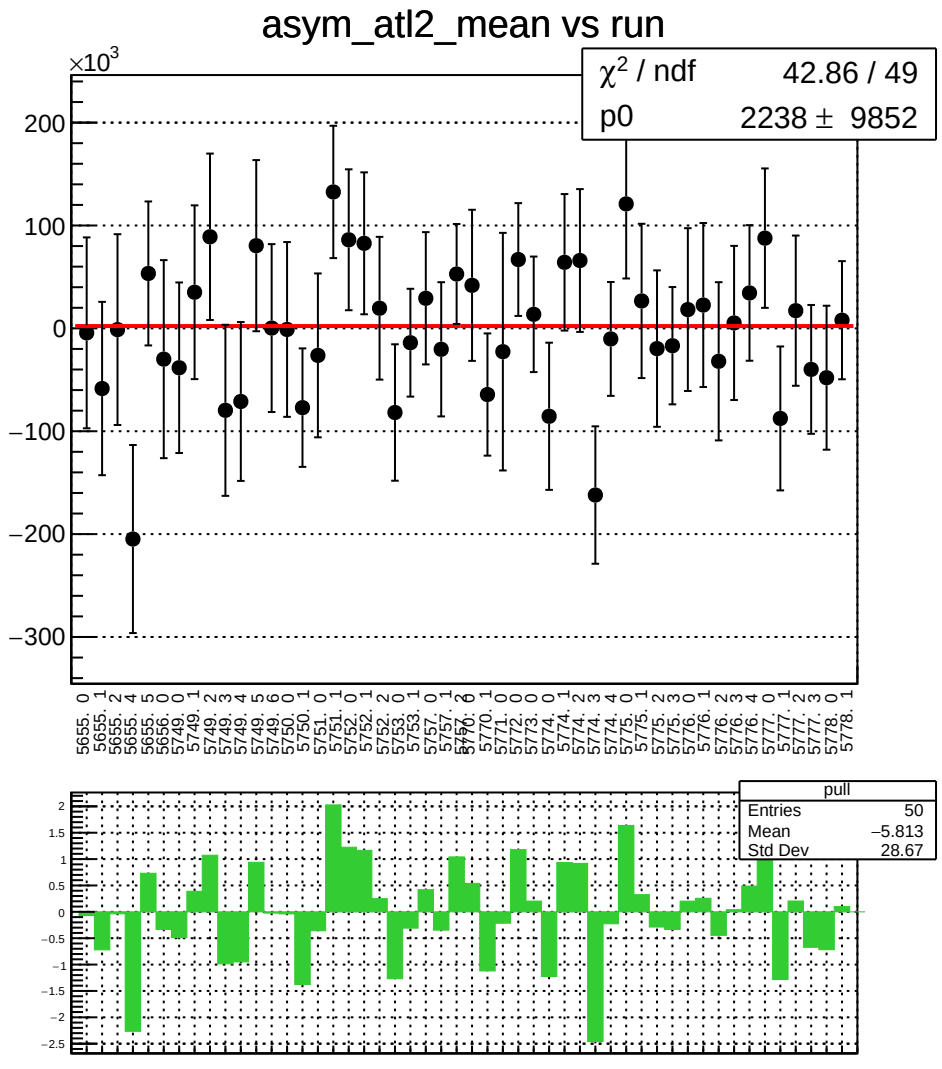

pull1D
Entries 51
Mean −0.0334
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

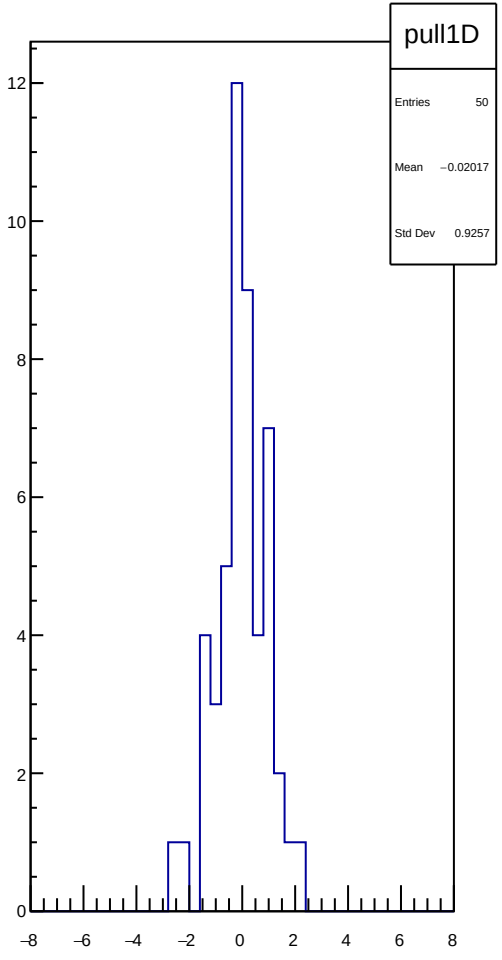

asym_atl1_rms vs run
χ² / ndf 8955 / 50
p0 4280 ± 4.208
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

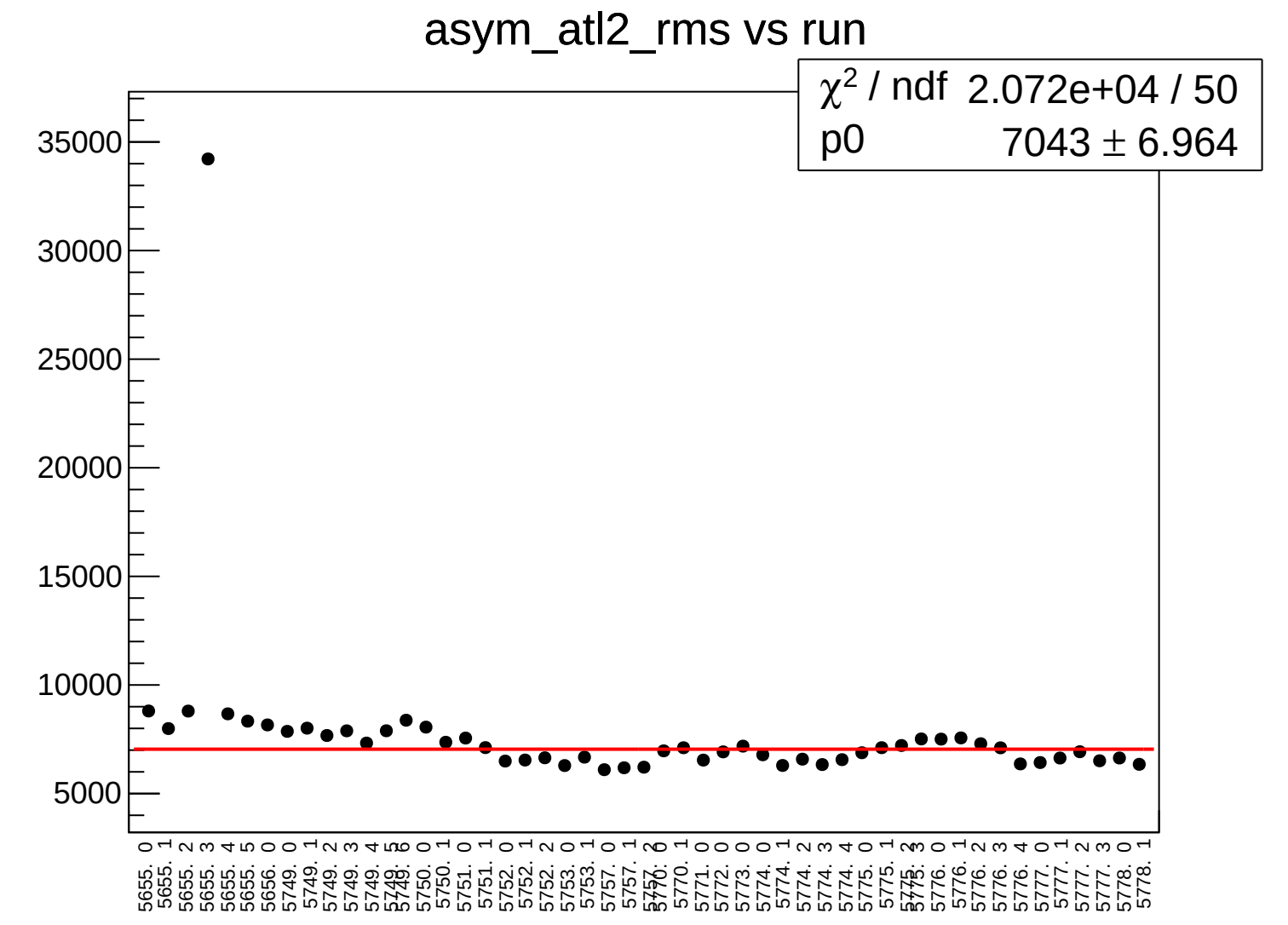

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 51.52 / 49
p0 −1791 ± 3148
50
0
−50
−100
−150
pull
Entries 50
Mean −1.939
Std Dev 11.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

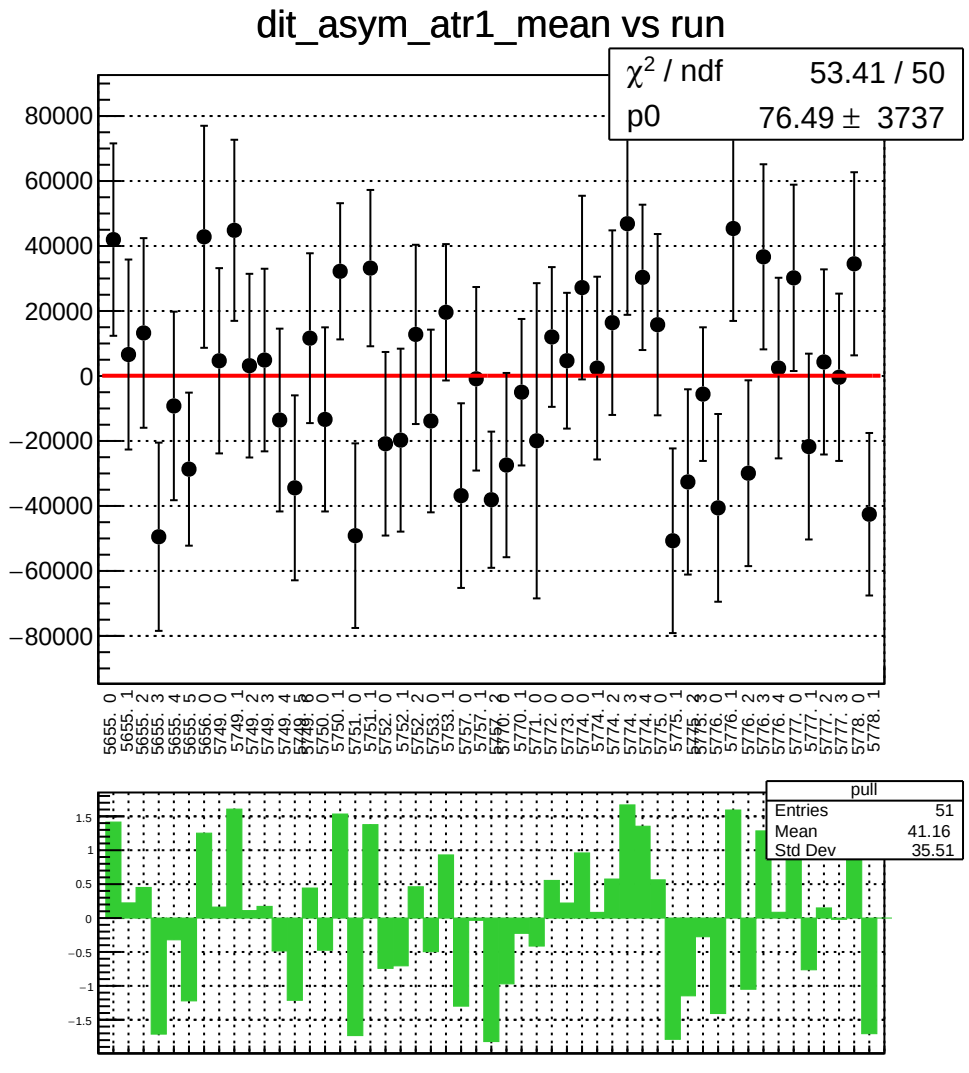

pull1D
Entries 50
Mean −0.03923
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

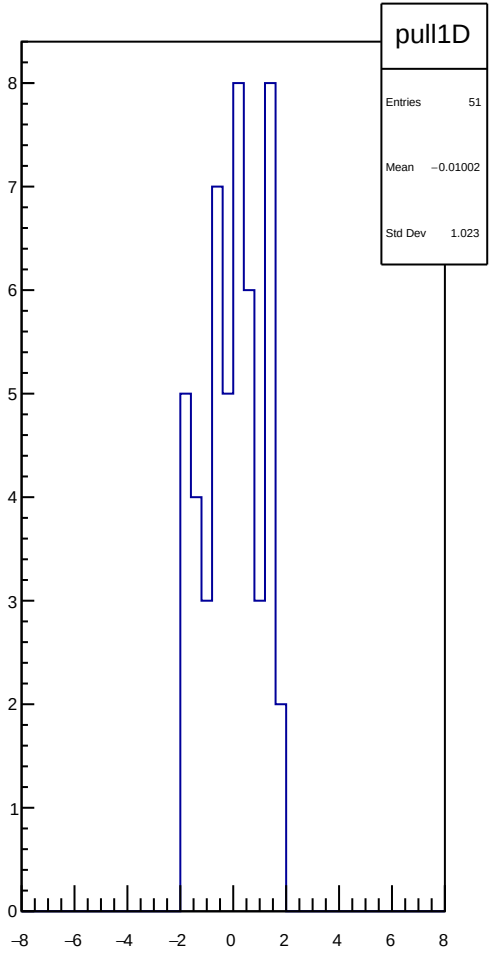

dit_asym_atl2_rms vs run
χ² / ndf 4.064e+04 / 50
p0 2229 ± 2.226
35000
30000
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

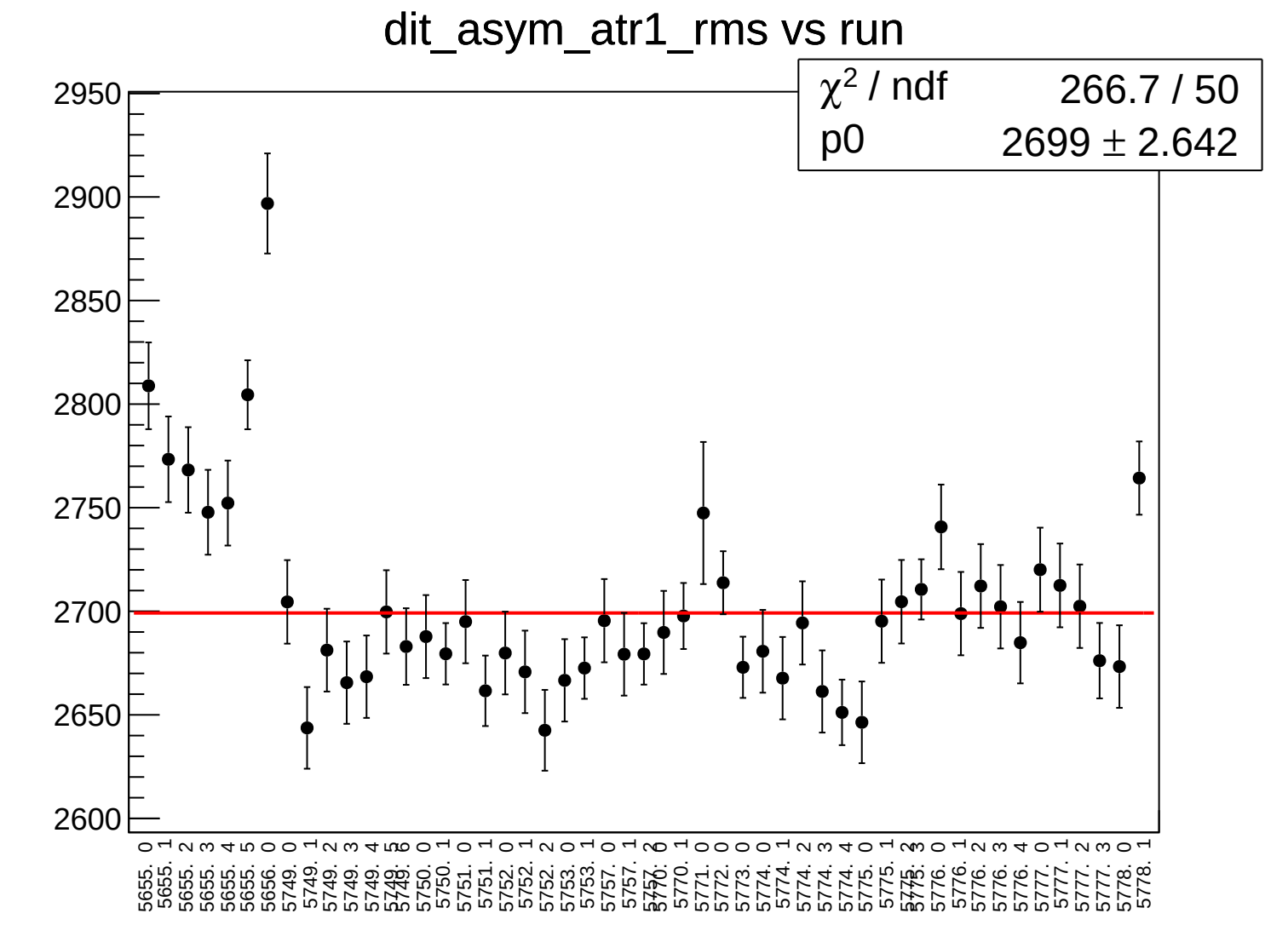

asym_atl2_mean vs run
×10^3
χ^2 / ndf 42.86 / 49
p0 2238 ± 9852
200
100
0
−100
−200
−300
5655. 0
5655. 1
5655. 2
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 50
Mean −5.813
Std Dev 28.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

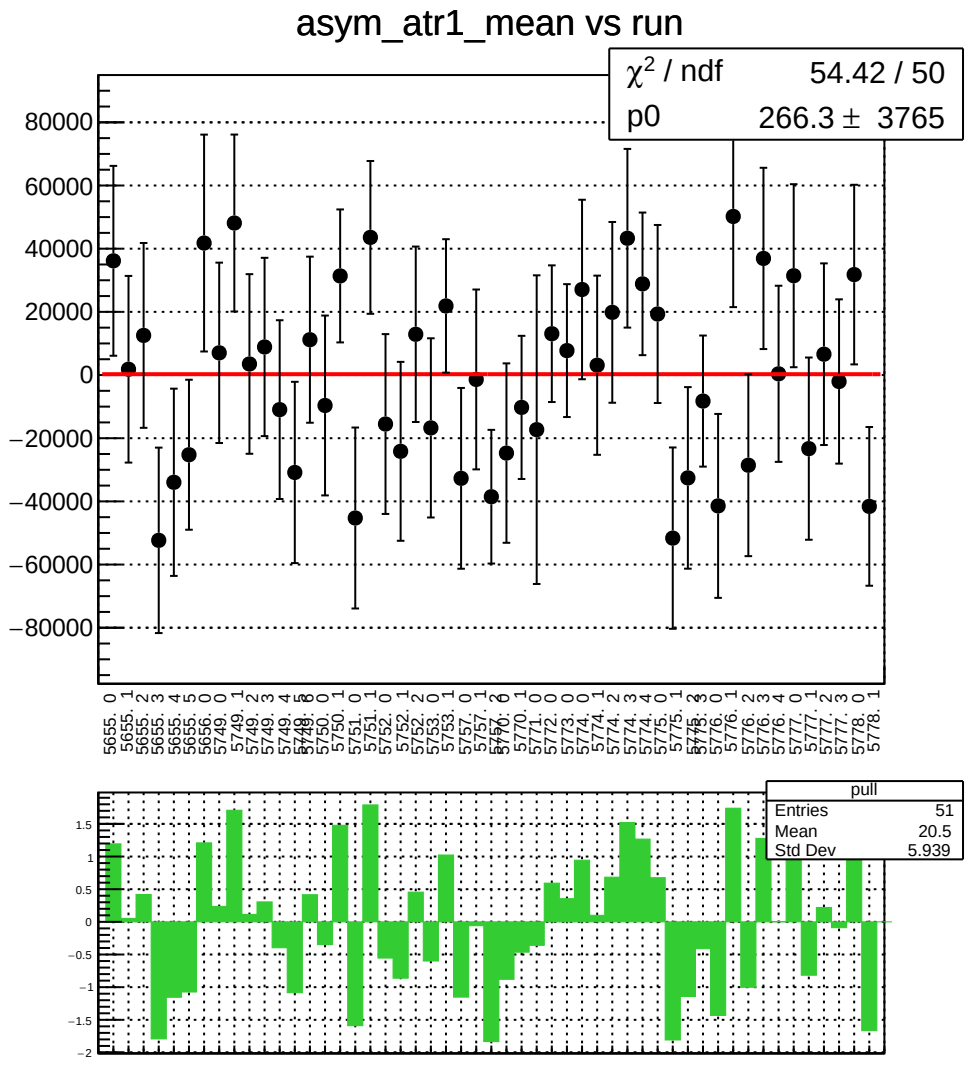

pull1D
Entries 50
Mean −0.02017
Std Dev 0.9257
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

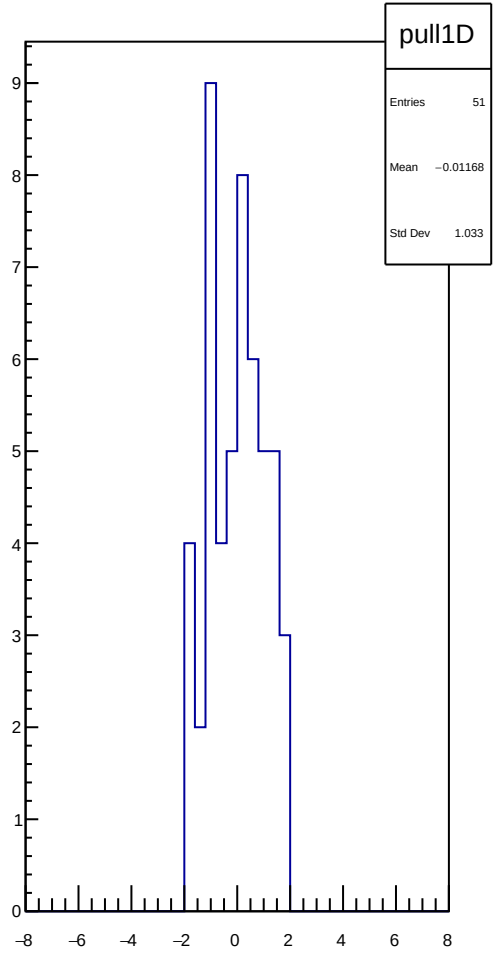

asym_atl2_rms vs run
χ² / ndf 2.072e+04 / 50
p0 7043 ± 6.964
35000
30000
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

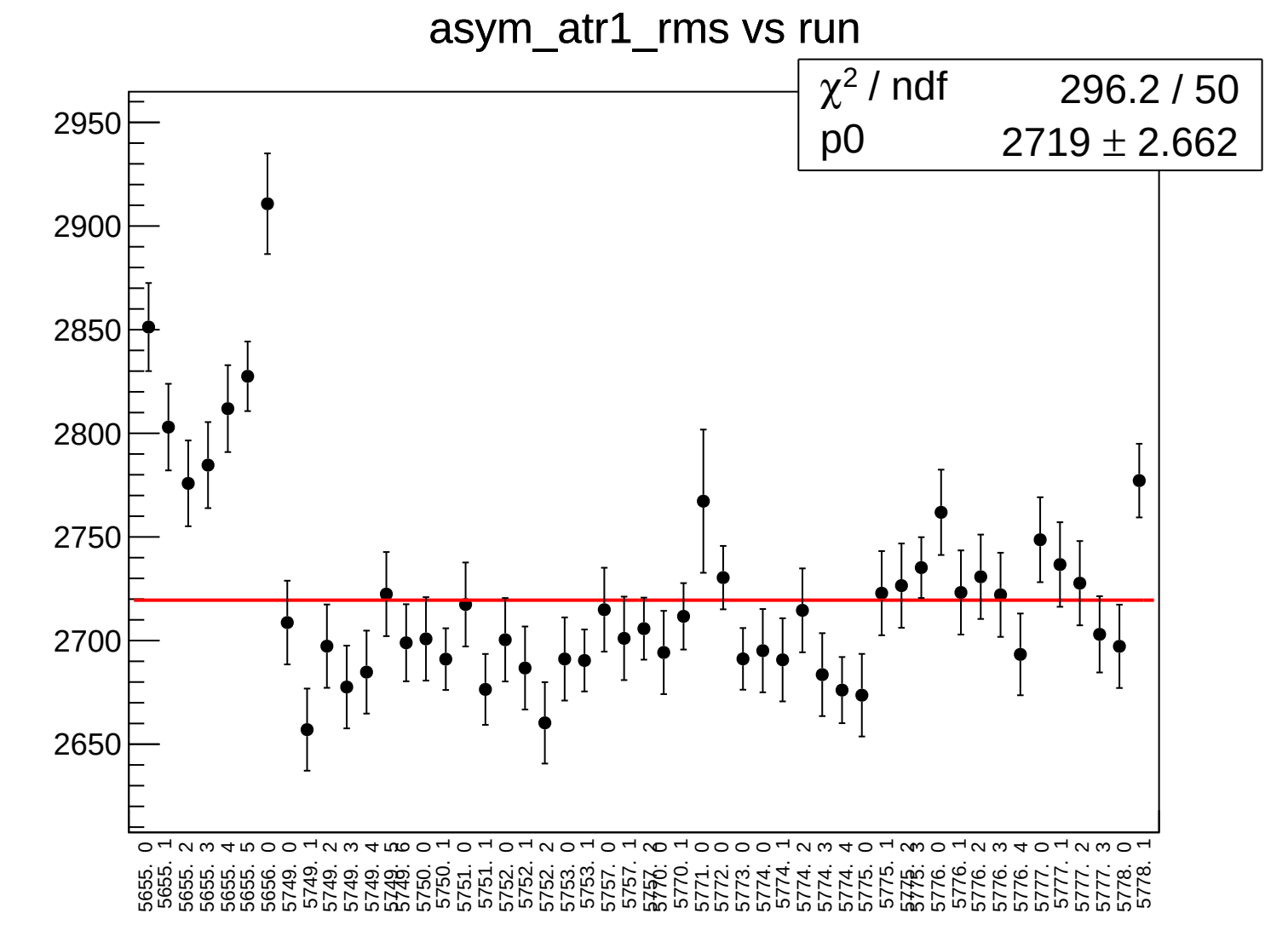

dit_asym_atr1_mean vs run
χ² / ndf 53.41 / 50
p0 76.49 ± 3737
pull
Entries 51
Mean 41.16
Std Dev 35.51

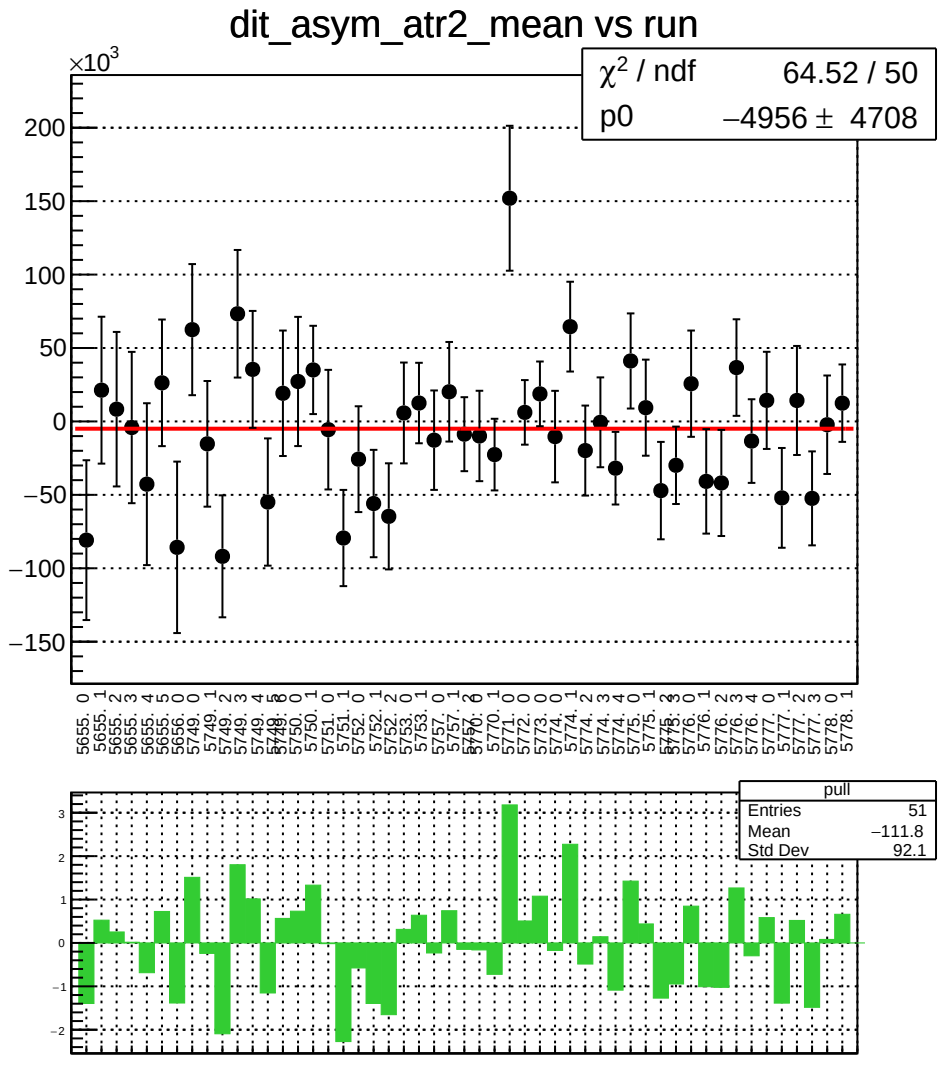

pull1D
Entries 51
Mean −0.01002
Std Dev 1.023

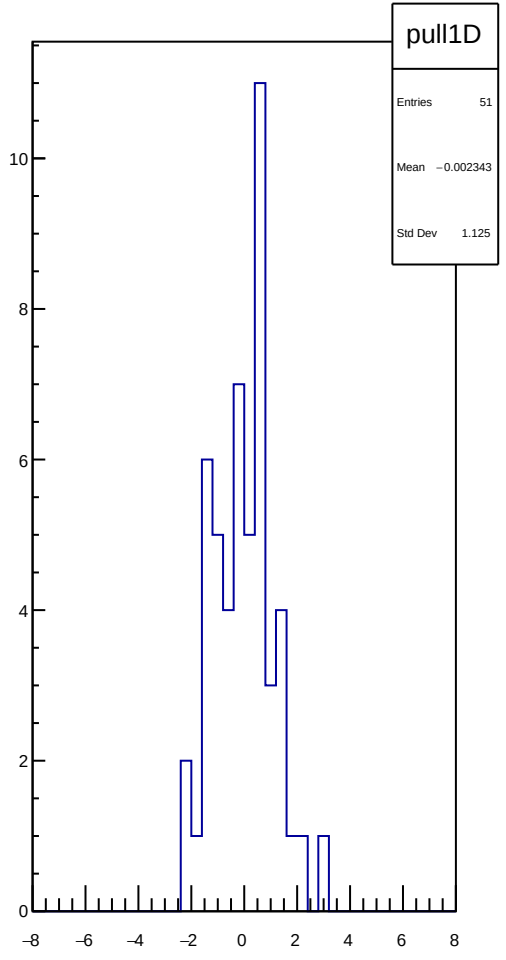

dit_asym_atr1_rms vs run
χ^2 / ndf 266.7 / 50
p0 2699 ± 2.642
2950
2900
2850
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

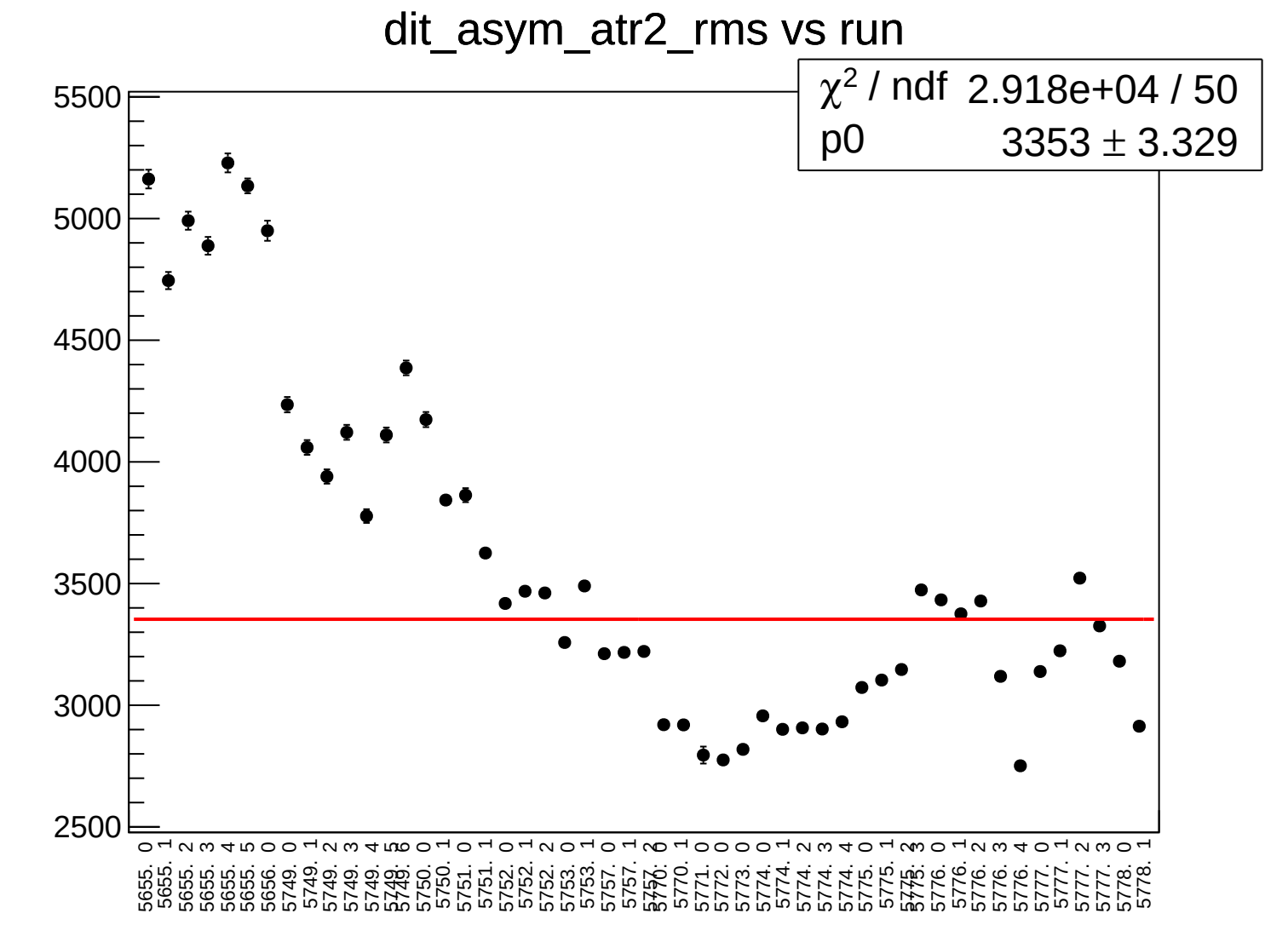

asym_atr1_mean vs run
χ² / ndf 54.42 / 50
p0 266.3 ± 3765
pull
Entries 51
Mean 20.5
Std Dev 5.939

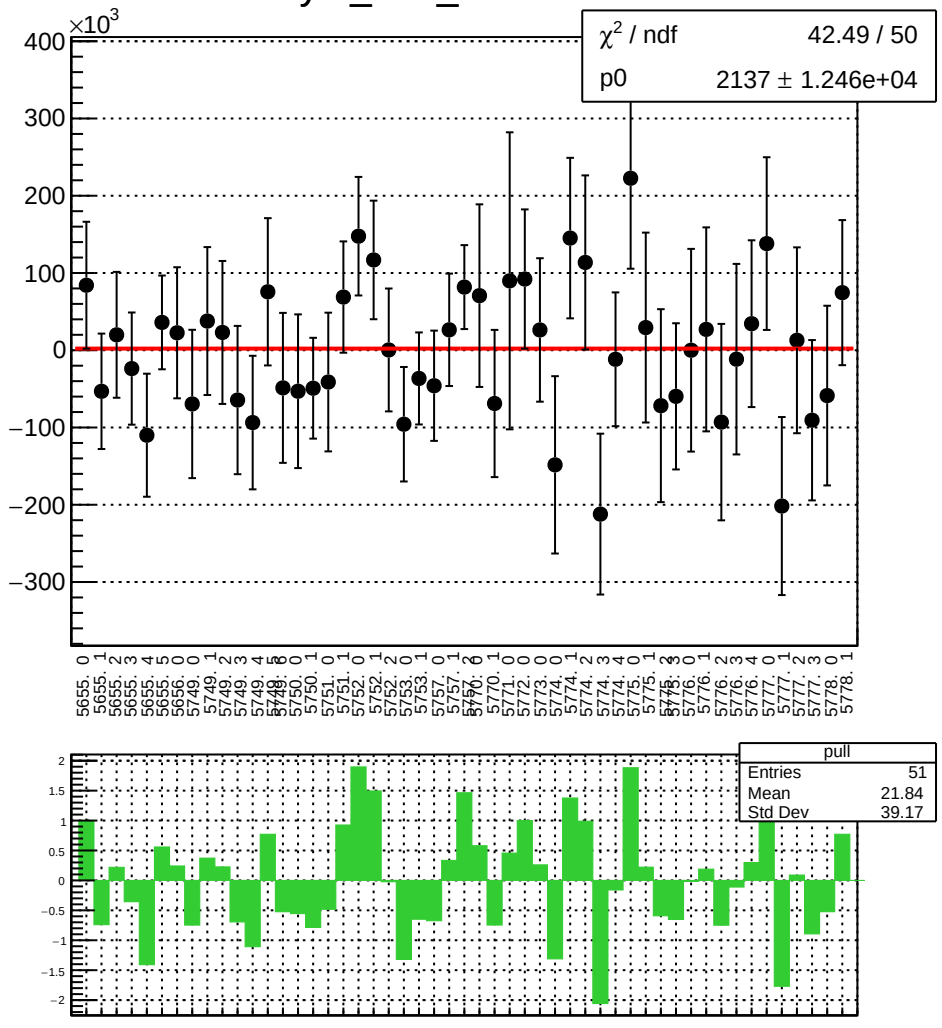

pull1D
Entries 51
Mean −0.01168
Std Dev 1.033

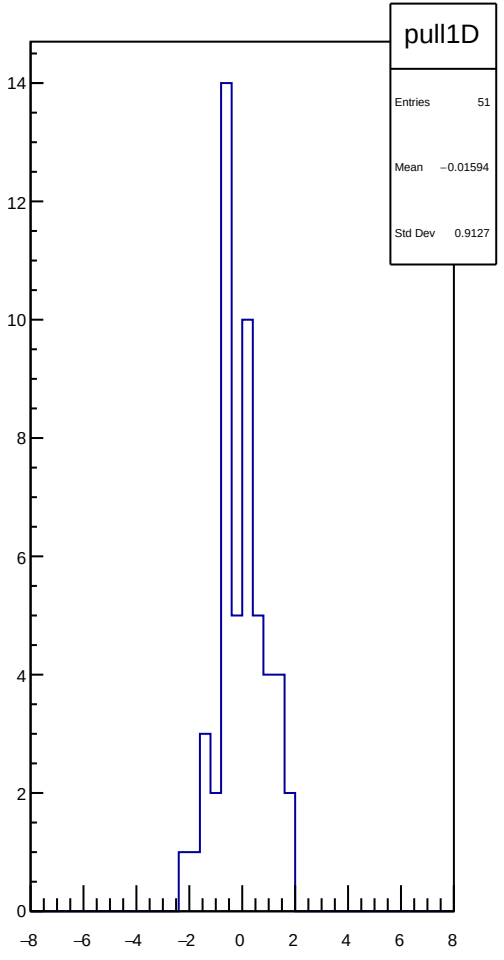

asym_atr1_rms vs run
χ^2 / ndf 296.2 / 50
p0 2719 ± 2.662
2950
2900
2850
2800
2750
2700
2650
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

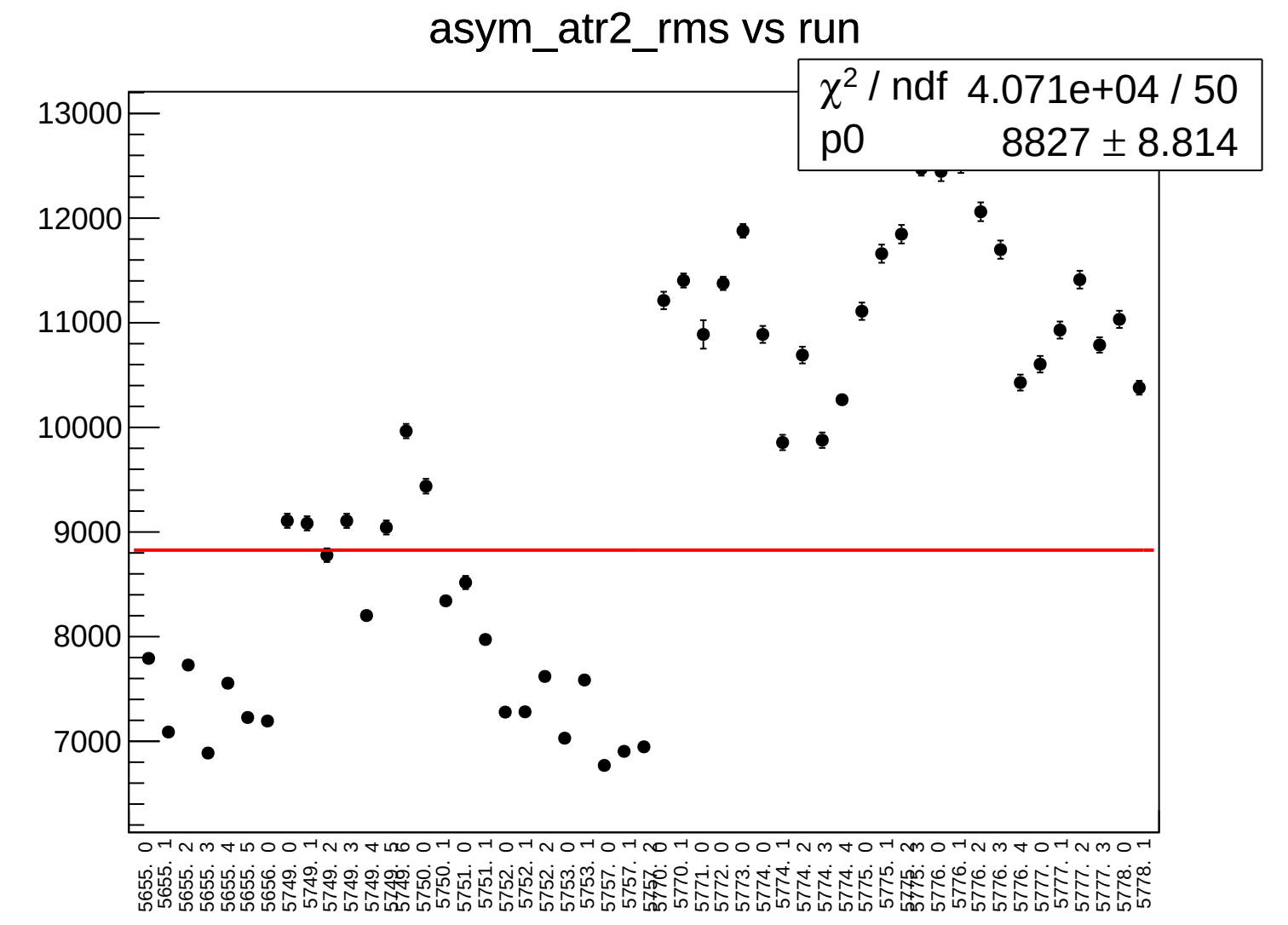

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 64.52 / 50
p0 −4956 ± 4708
200
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean −111.8
Std Dev 92.1
3
2
1
0
−1
−2

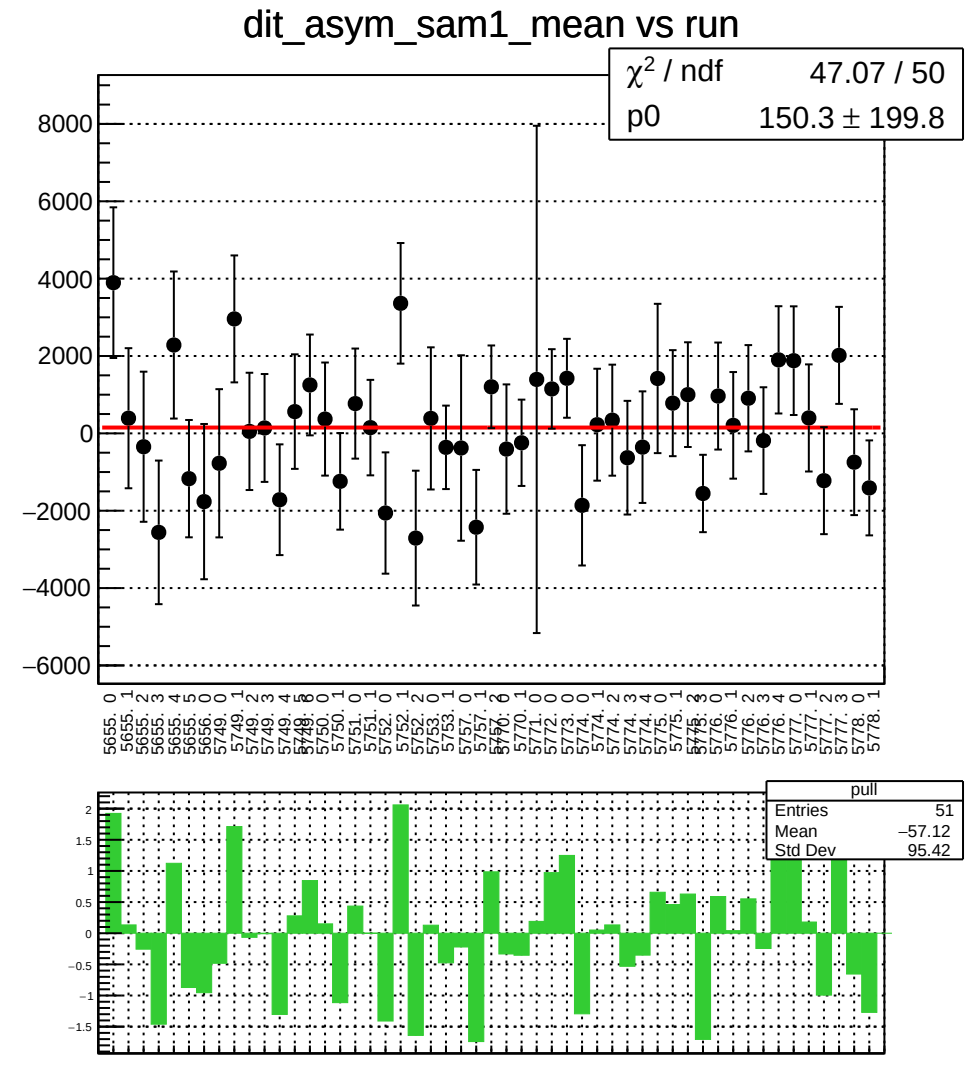

pull1D
Entries 51
Mean −0.002343
Std Dev 1.125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

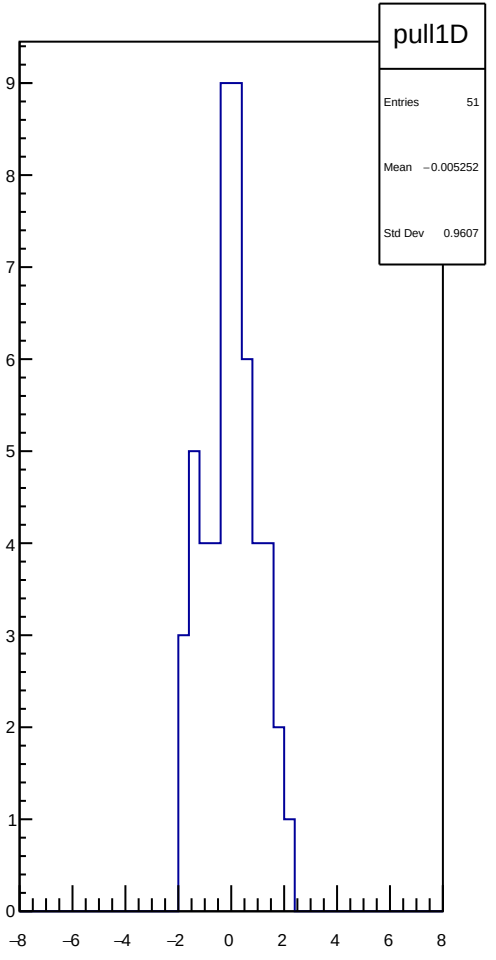

dit_asym_atr2_rms vs run
χ^2 / ndf 2.918e+04 / 50
p0 3353 ± 3.329
5500
5000
4500
4000
3500
3000
2500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

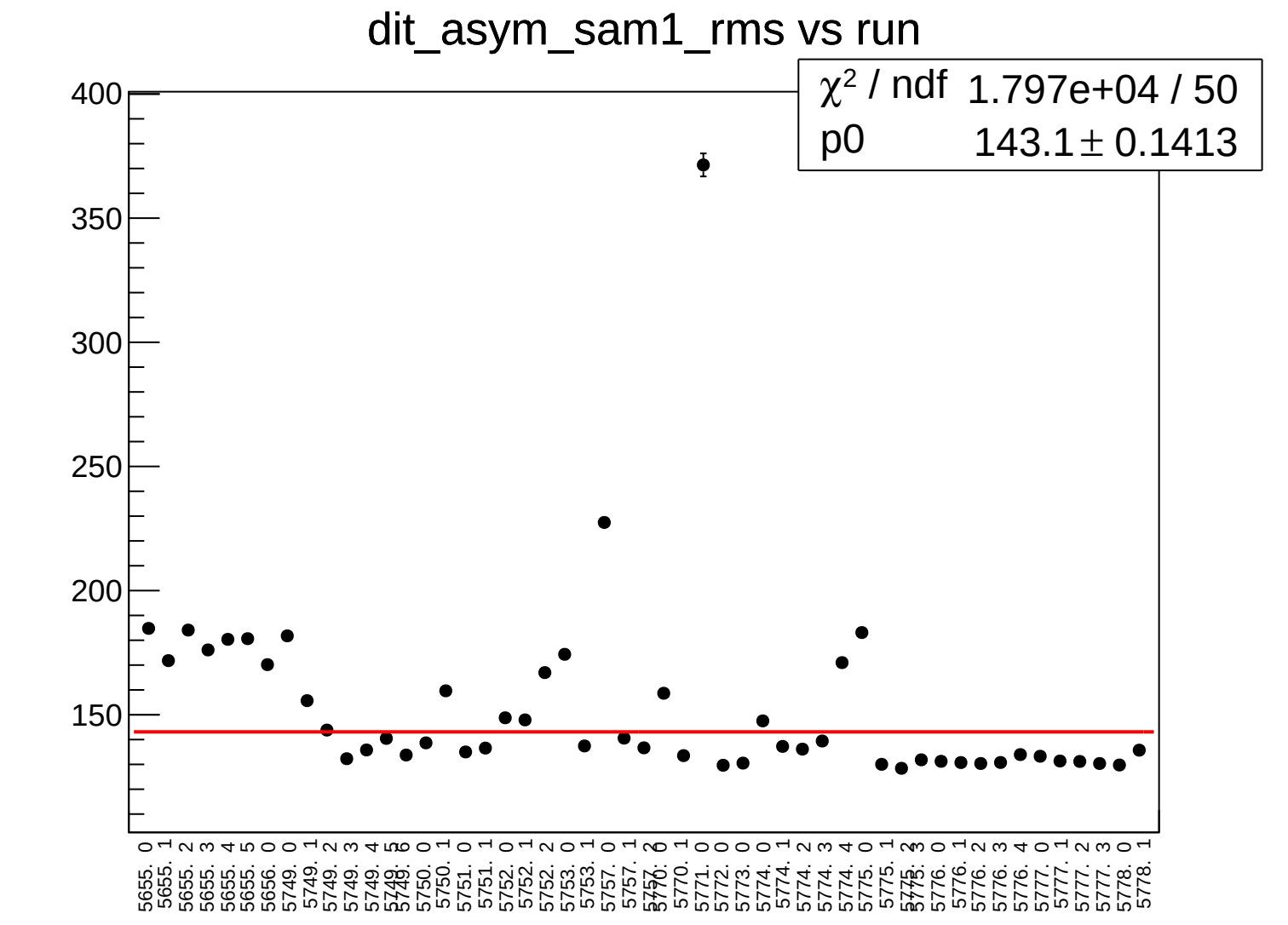

asym_atr2_mean vs run
×10^3
χ² / ndf 42.49 / 50
p0 2137 ± 1.246e+04
pull
Entries 51
Mean 21.84
Std Dev 39.17

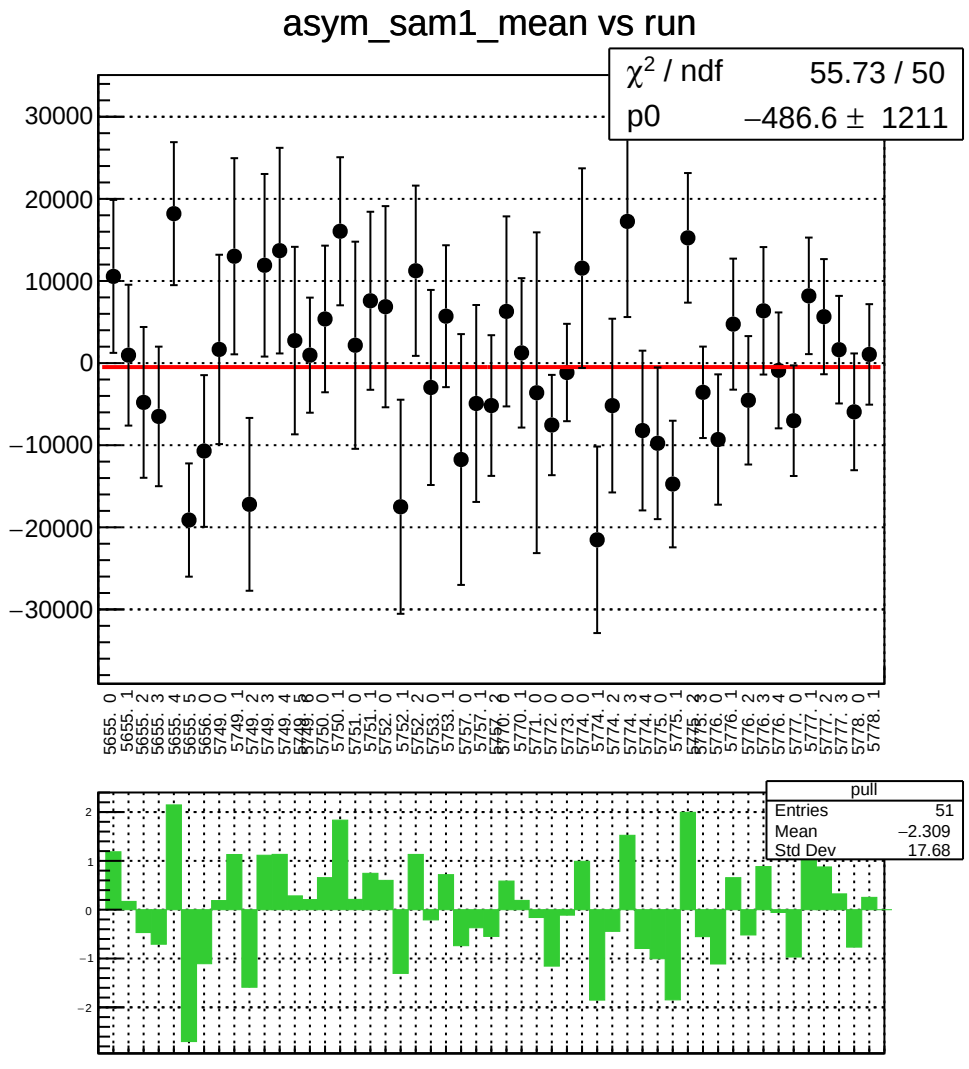

pull1D
Entries 51
Mean −0.01594
Std Dev 0.9127

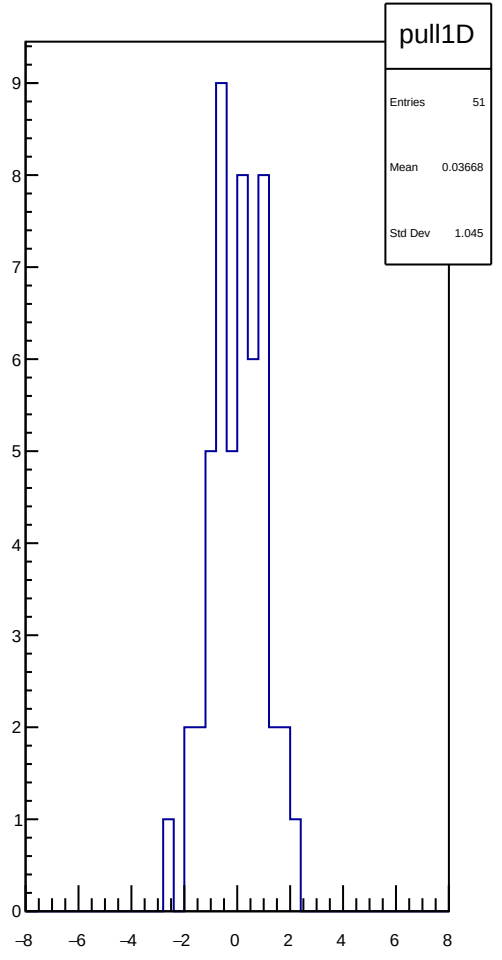

asym_atr2_rms vs run
χ² / ndf 4.071e+04 / 50
p0 8827 ± 8.814
13000
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

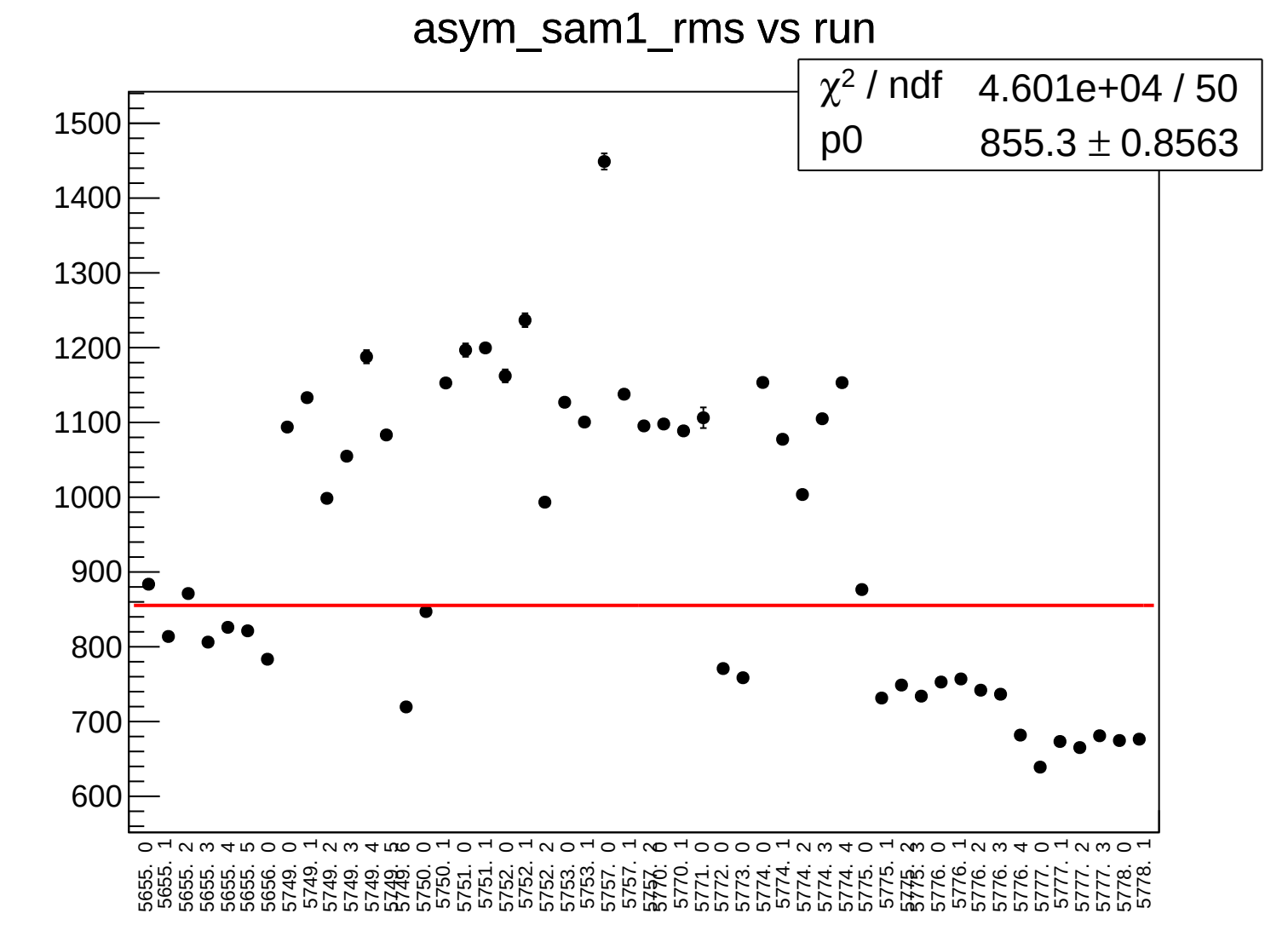

dit_asym_sam1_mean vs run
χ^2 / ndf 47.07 / 50
p0 150.3 ± 199.8
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −57.12
Std Dev 95.42
2
1.5
1
0.5
0
−0.5
−1
−1.5

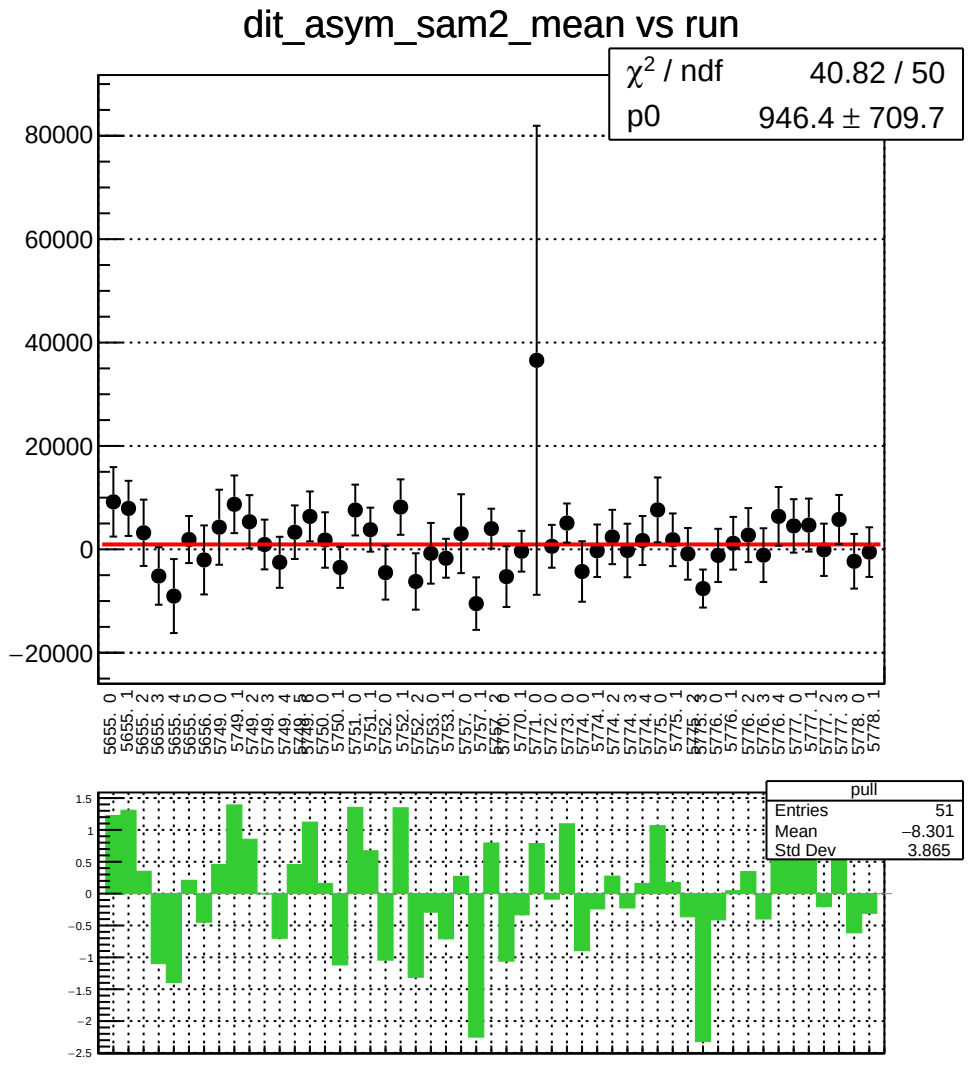

pull1D
Entries 51
Mean −0.005252
Std Dev 0.9607
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

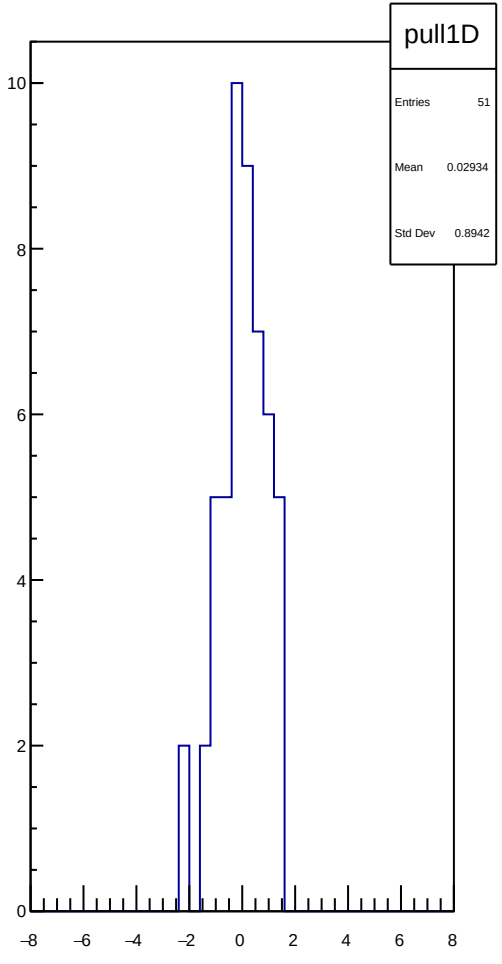

dit_asym_sam1_rms vs run
χ² / ndf 1.797e+04 / 50
p0 143.1 ± 0.1413
400
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

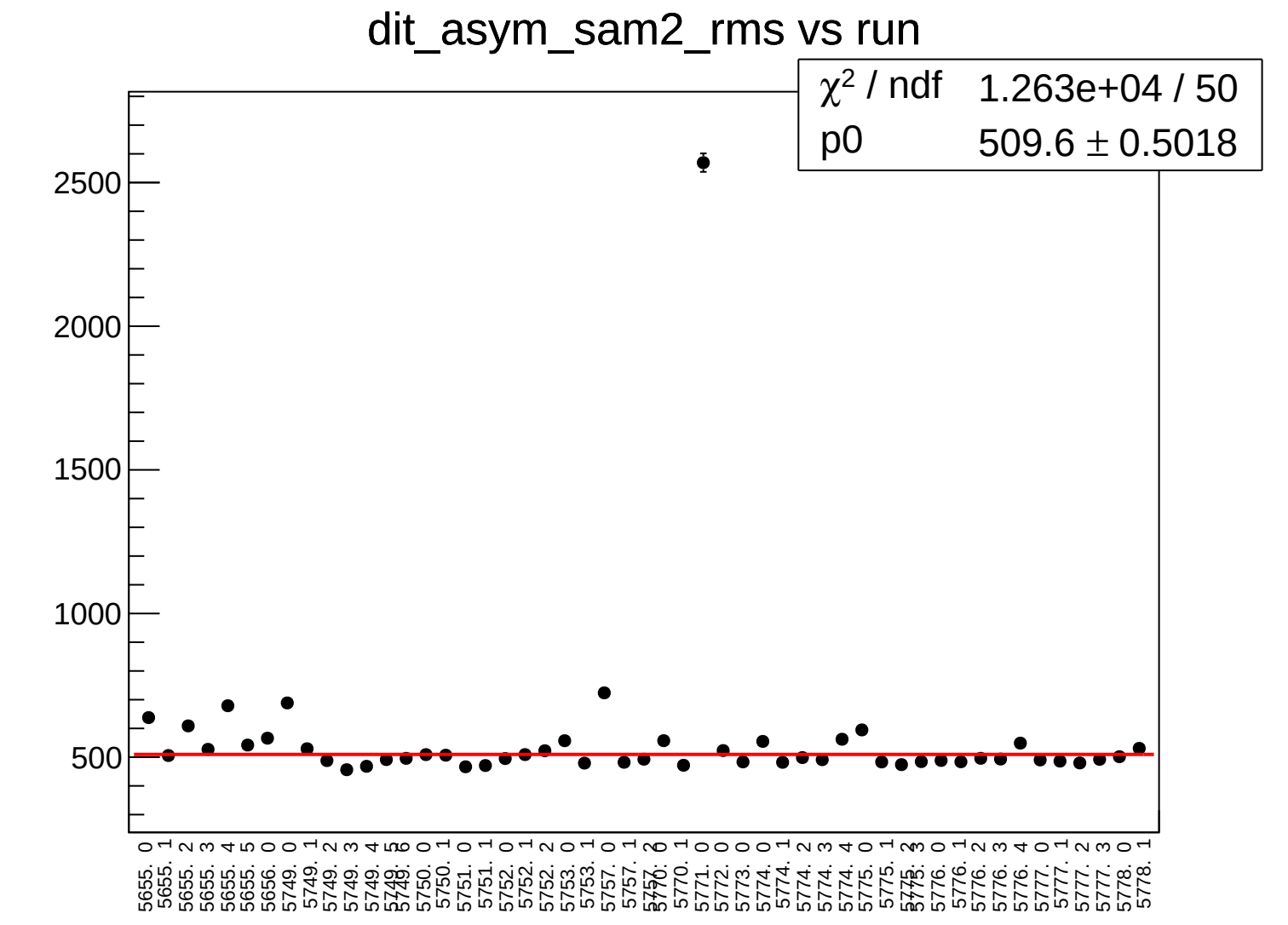

asym_sam1_mean vs run
χ^2 / ndf 55.73 / 50
p0 −486.6 ± 1211
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −2.309
Std Dev 17.68
2
1
0
−1
−2

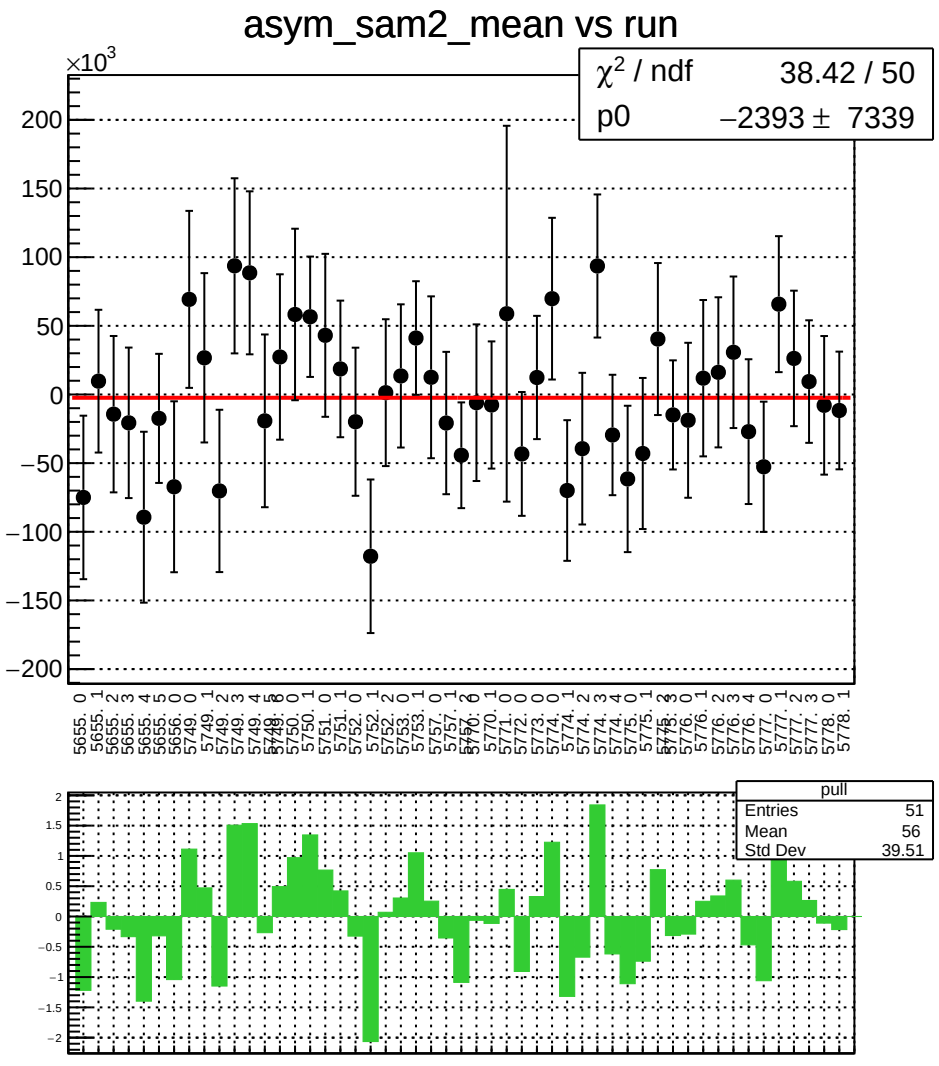

pull1D
Entries 51
Mean 0.03668
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

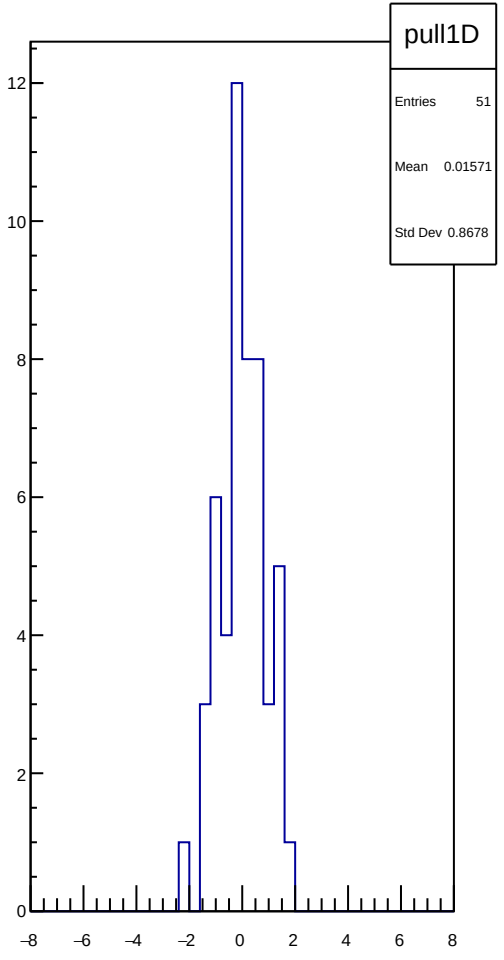

asym_sam1_rms vs run
χ² / ndf 4.601e+04 / 50
p0 855.3 ± 0.8563
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

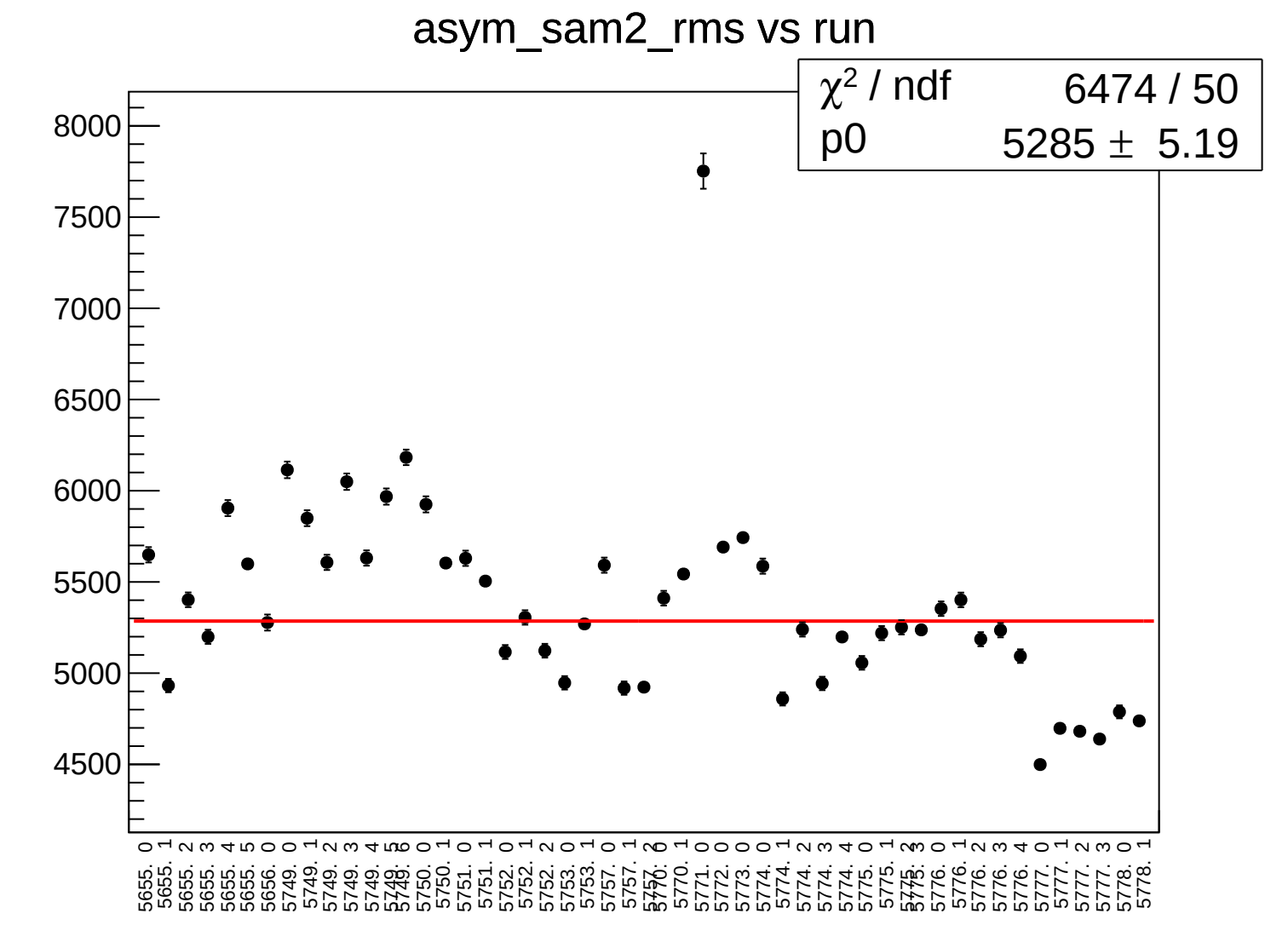

dit_asym_sam2_mean vs run
χ² / ndf 40.82 / 50
p0 946.4 ± 709.7
80000
60000
40000
20000
0
−20000
pull
Entries 51
Mean −8.301
Std Dev 3.865
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

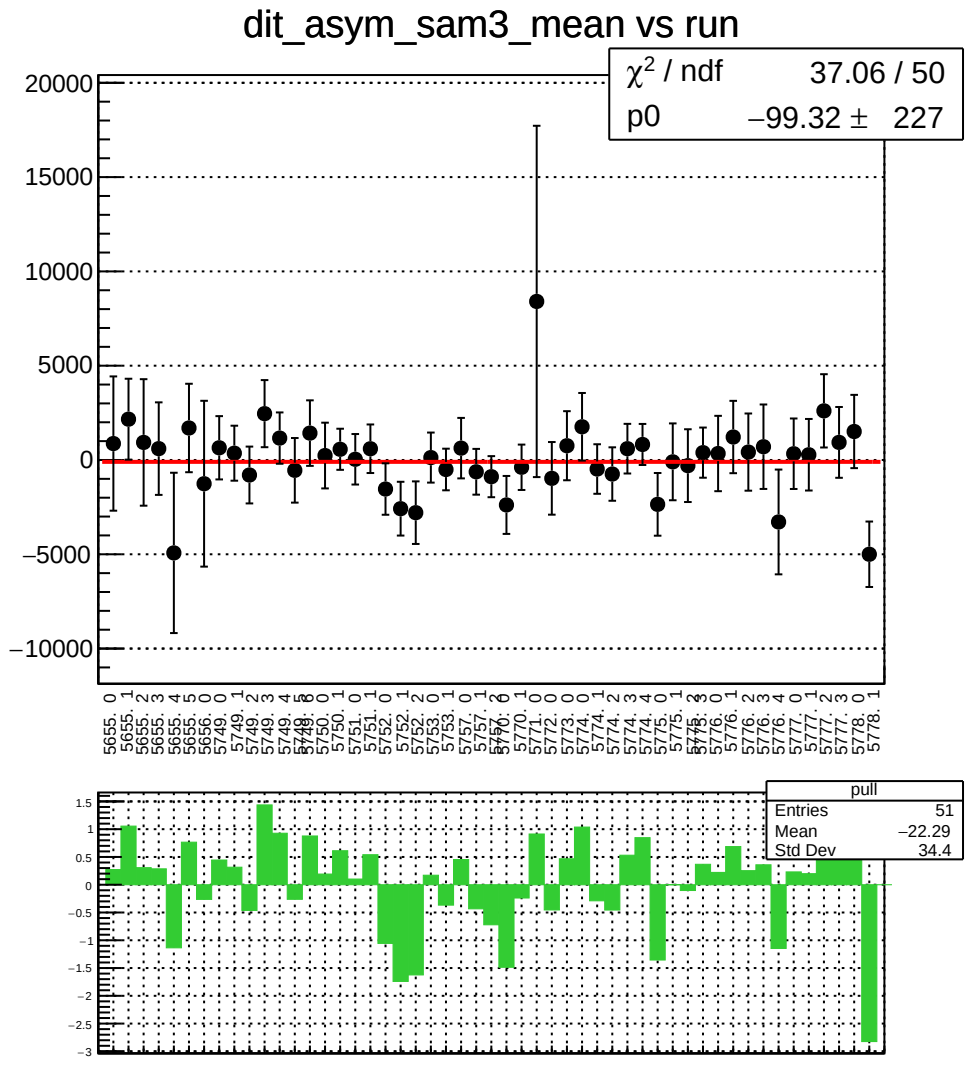

pull1D
Entries 51
Mean 0.02934
Std Dev 0.8942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

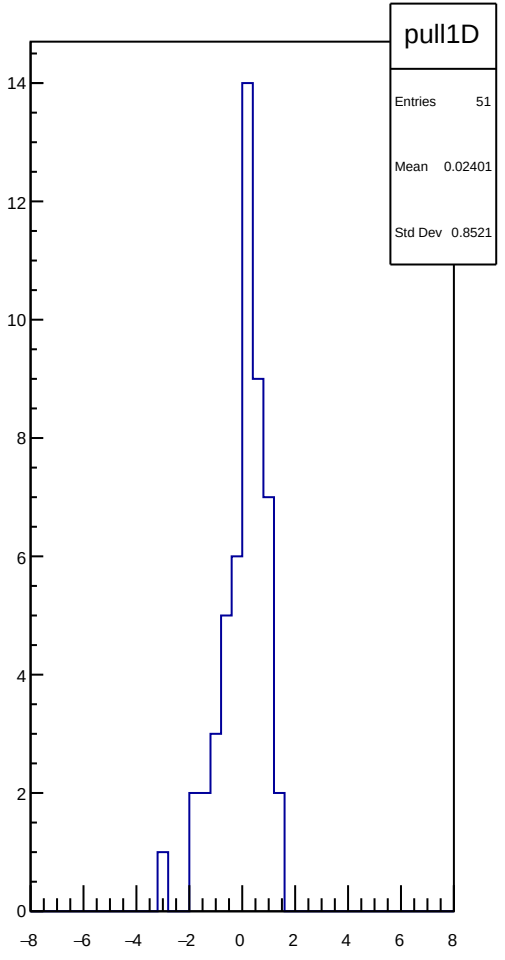

dit_asym_sam2_rms vs run
χ² / ndf 1.263e+04 / 50
p0 509.6 ± 0.5018
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

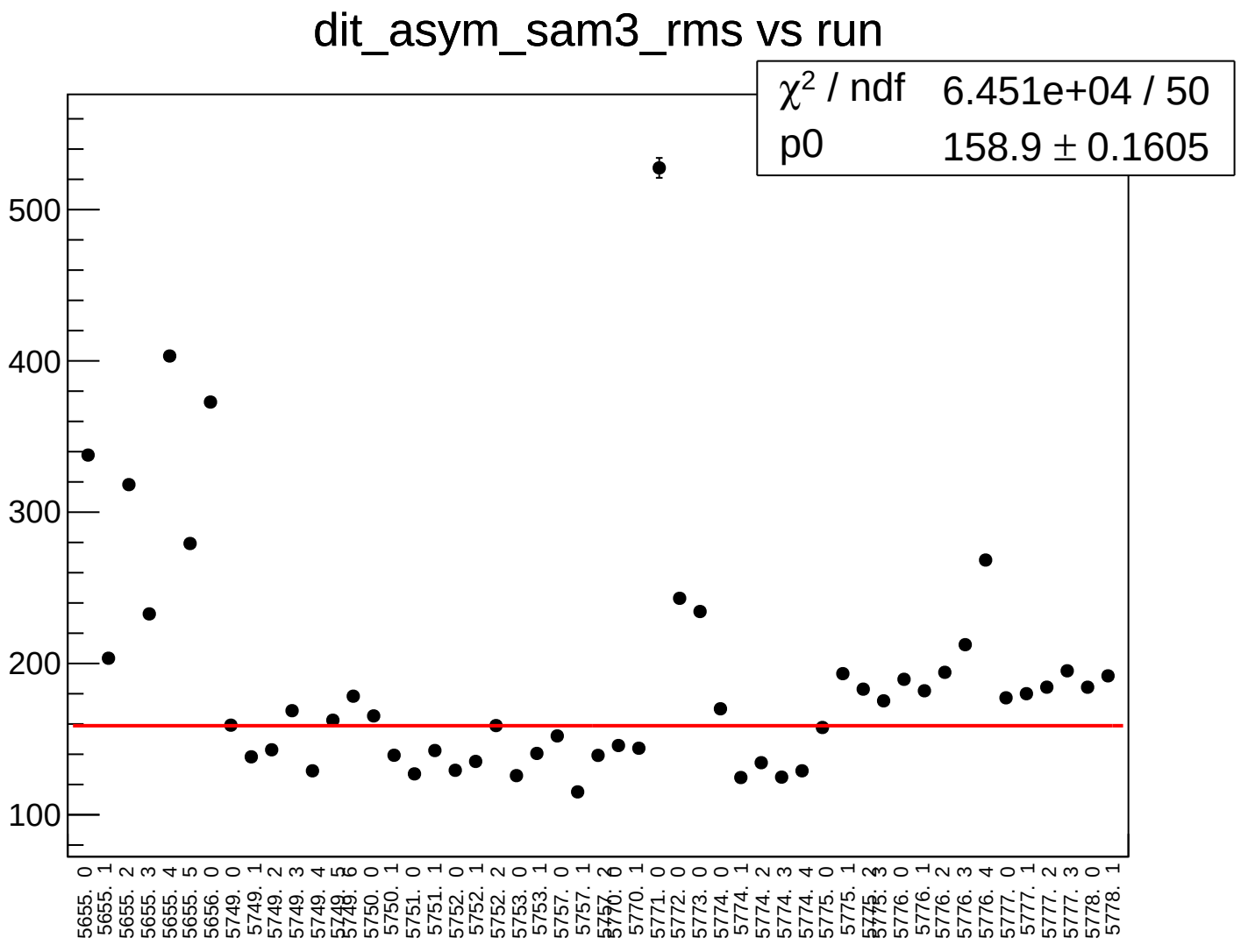

asym_sam2_mean vs run
×10^3
χ² / ndf 38.42 / 50
p0 −2393 ± 7339
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 56
Std Dev 39.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

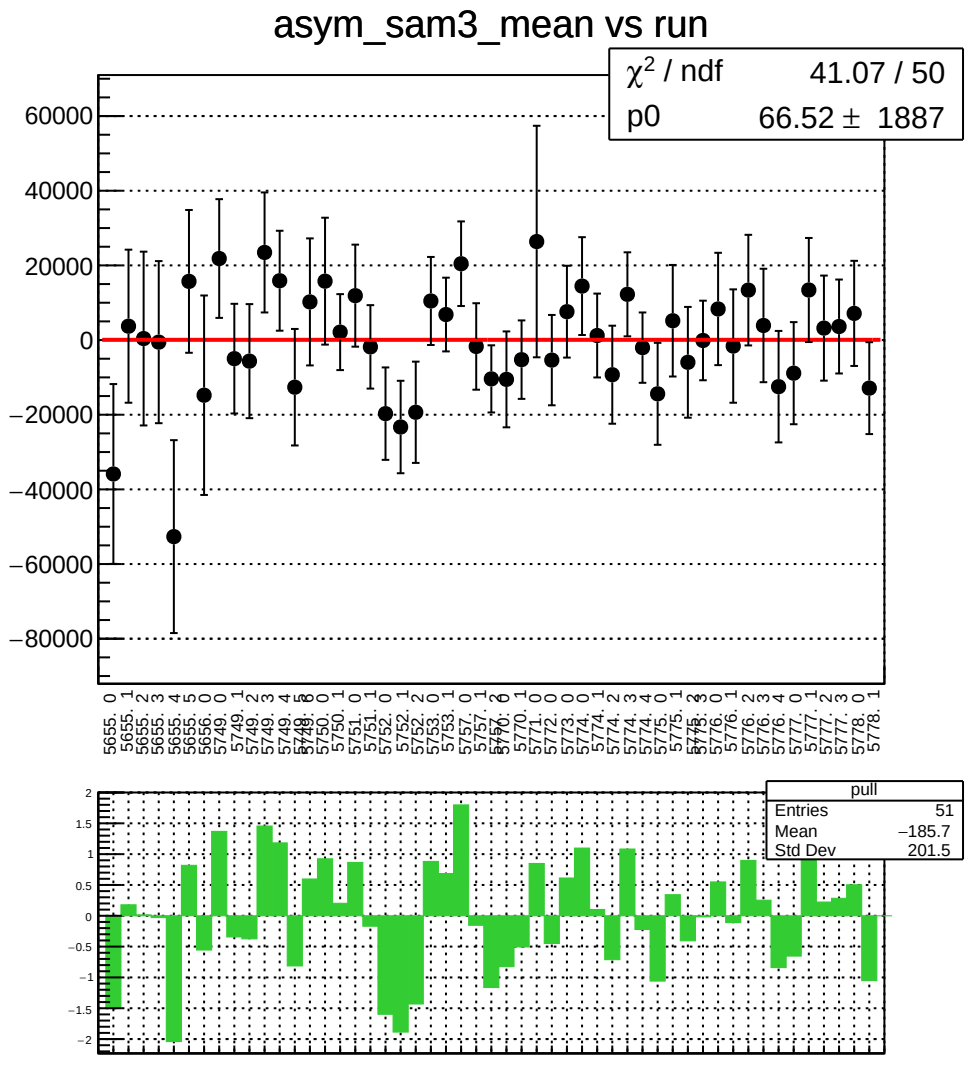

pull1D
Entries 51
Mean 0.01571
Std Dev 0.8678
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

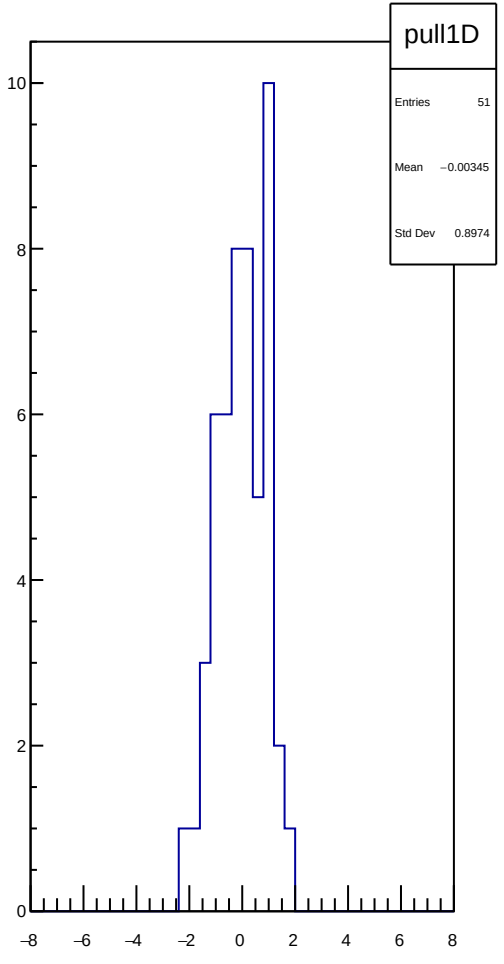

asym_sam2_rms vs run
χ² / ndf 6474 / 50
p0 5285 ± 5.19
8000
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

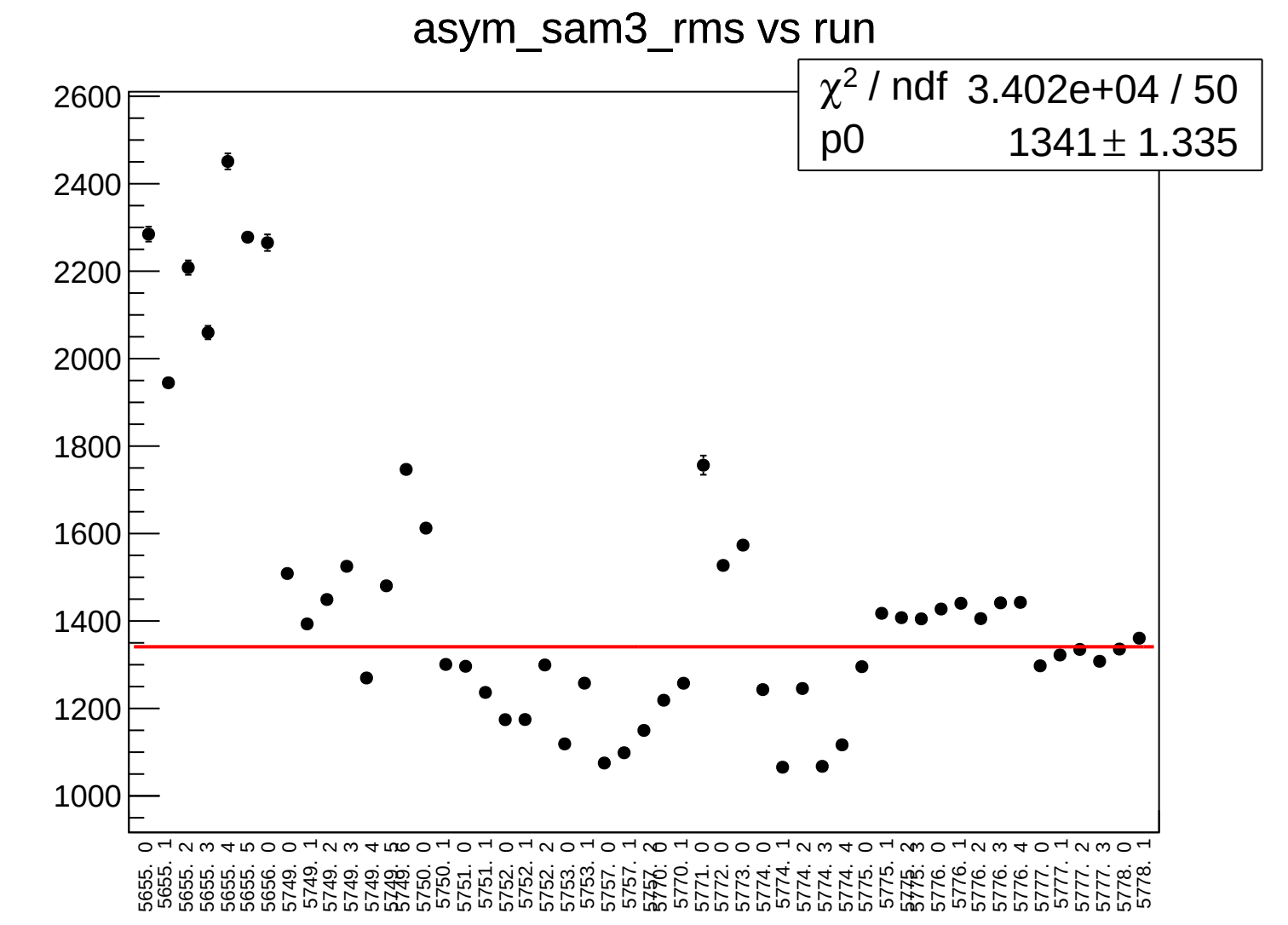

dit_asym_sam3_mean vs run
χ² / ndf 37.06 / 50
p0 −99.32 ± 227
pull
Entries 51
Mean −22.29
Std Dev 34.4

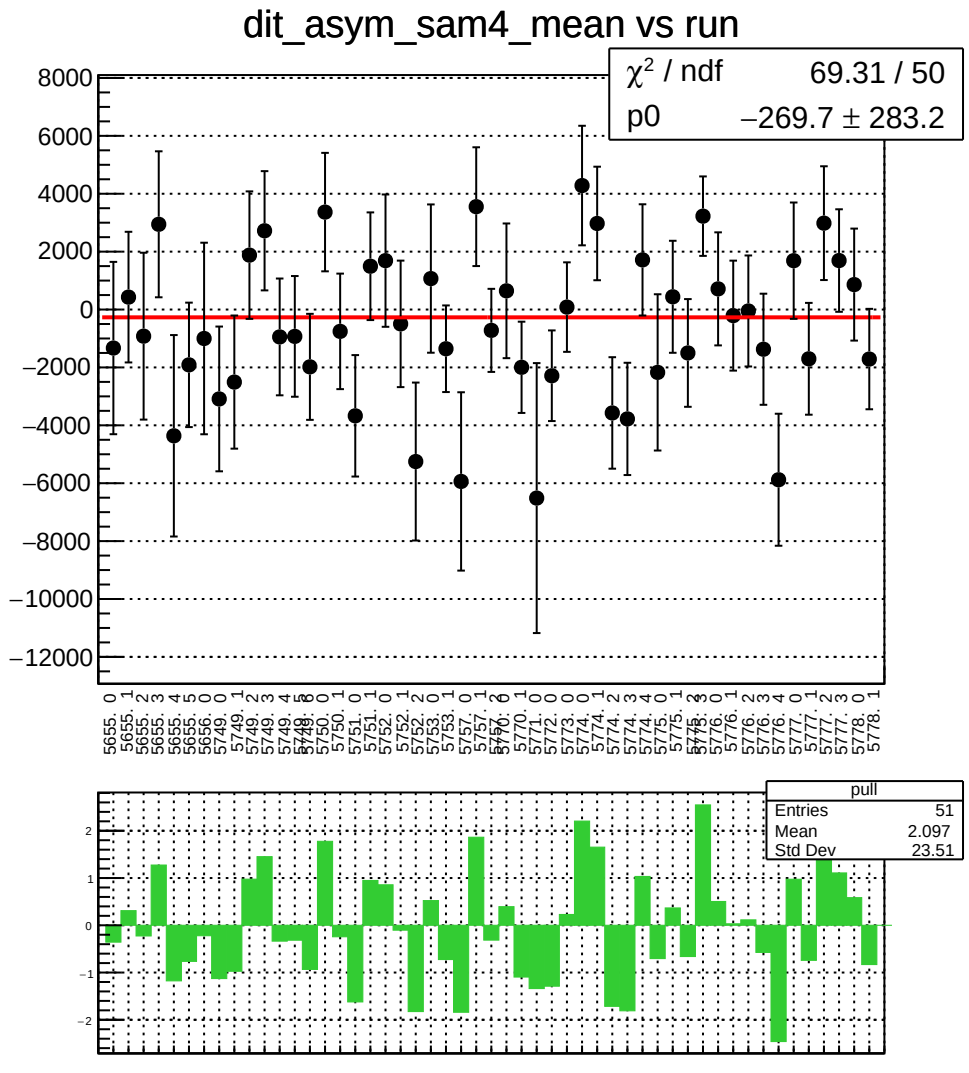

pull1D
Entries 51
Mean 0.02401
Std Dev 0.8521

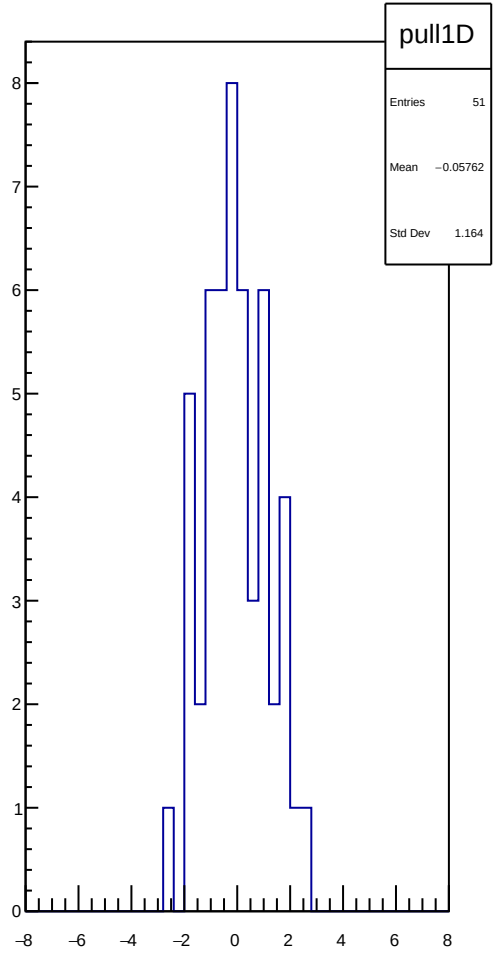

dit_asym_sam3_rms vs run
χ² / ndf 6.451e+04 / 50
p0 158.9 ± 0.1605
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

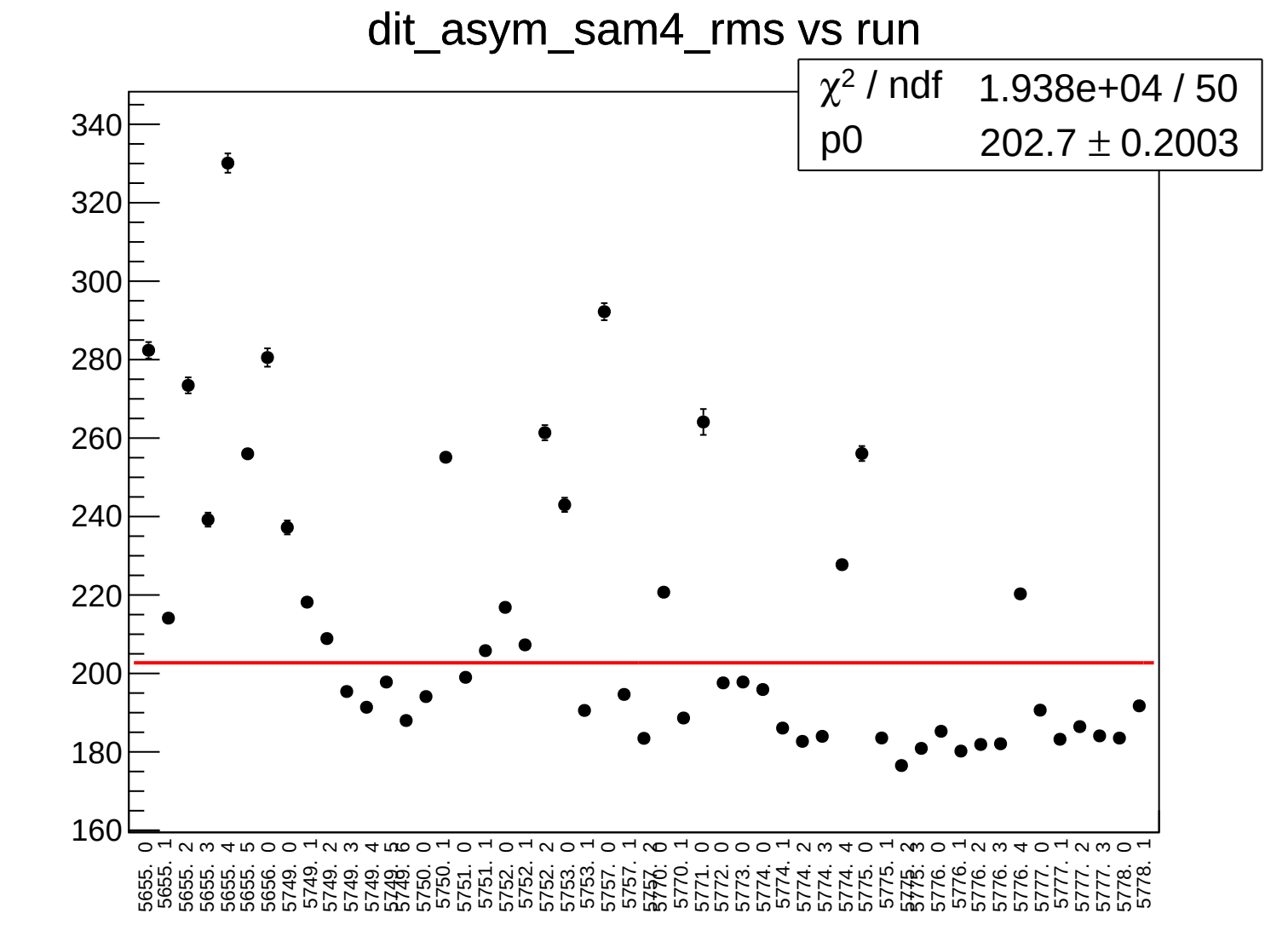

asym_sam3_mean vs run
χ² / ndf 41.07 / 50
p0 66.52 ± 1887
pull
Entries 51
Mean −185.7
Std Dev 201.5


pull1D
Entries 51
Mean −0.00345
Std Dev 0.8974


asym_sam3_rms vs run
χ² / ndf 3.402e+04 / 50
p0 1341 ± 1.335
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1


dit_asym_sam4_mean vs run
χ² / ndf 69.31 / 50
p0 −269.7 ± 283.2
pull
Entries 51
Mean 2.097
Std Dev 23.51


pull1D
Entries 51
Mean −0.05762
Std Dev 1.164


dit_asym_sam4_rms vs run
χ² / ndf 1.938e+04 / 50
p0 202.7 ± 0.2003
340
320
300
280
260
240
220
200
180
160
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
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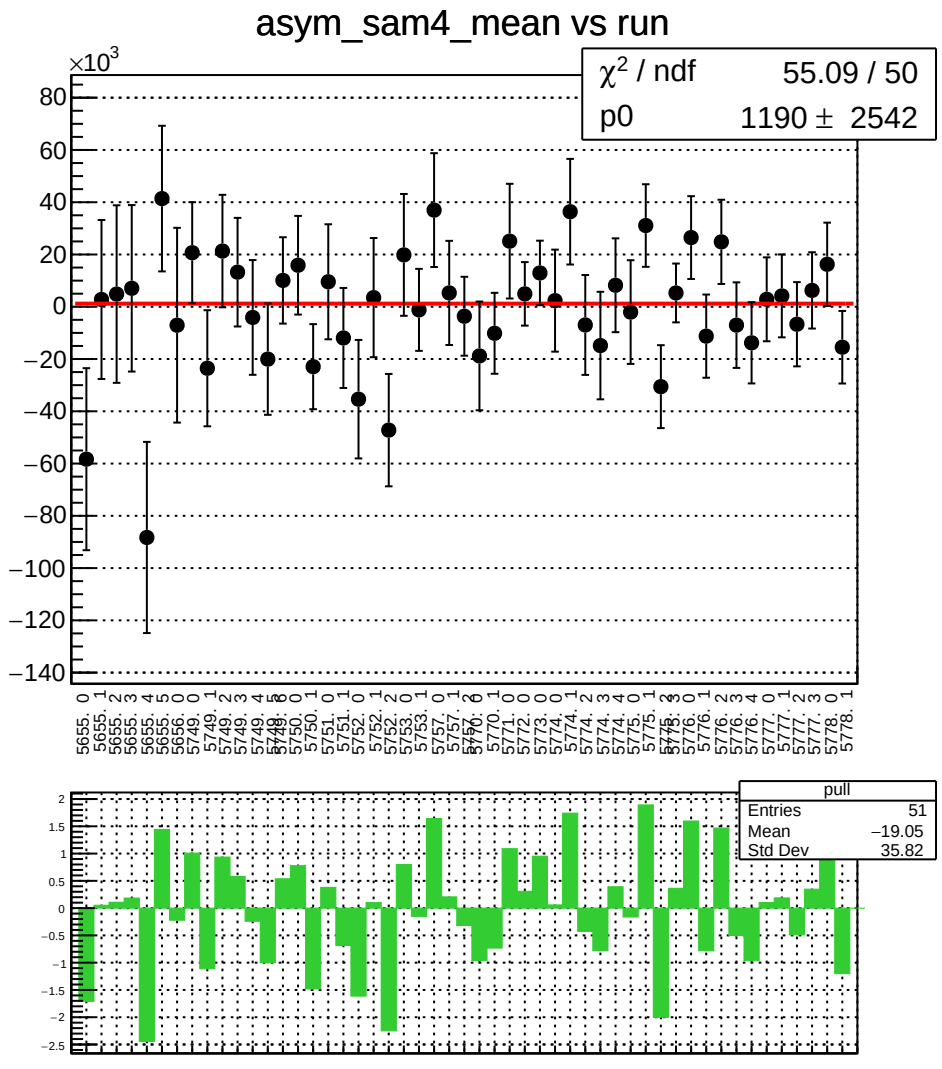
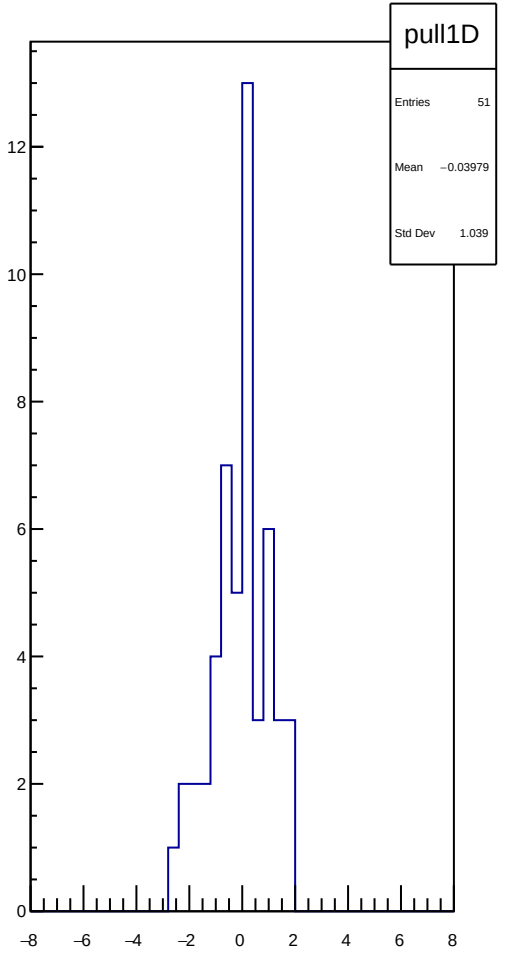
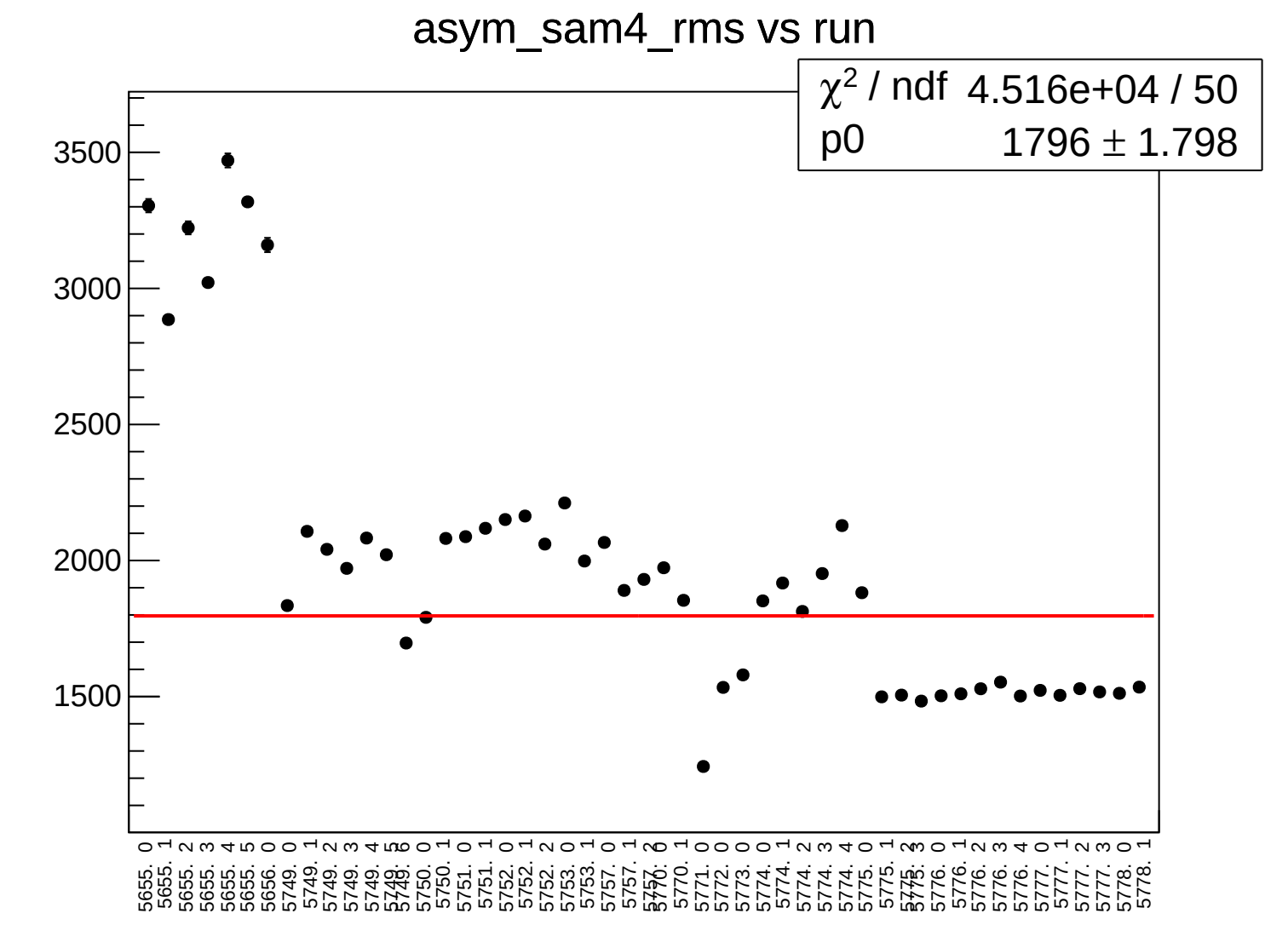
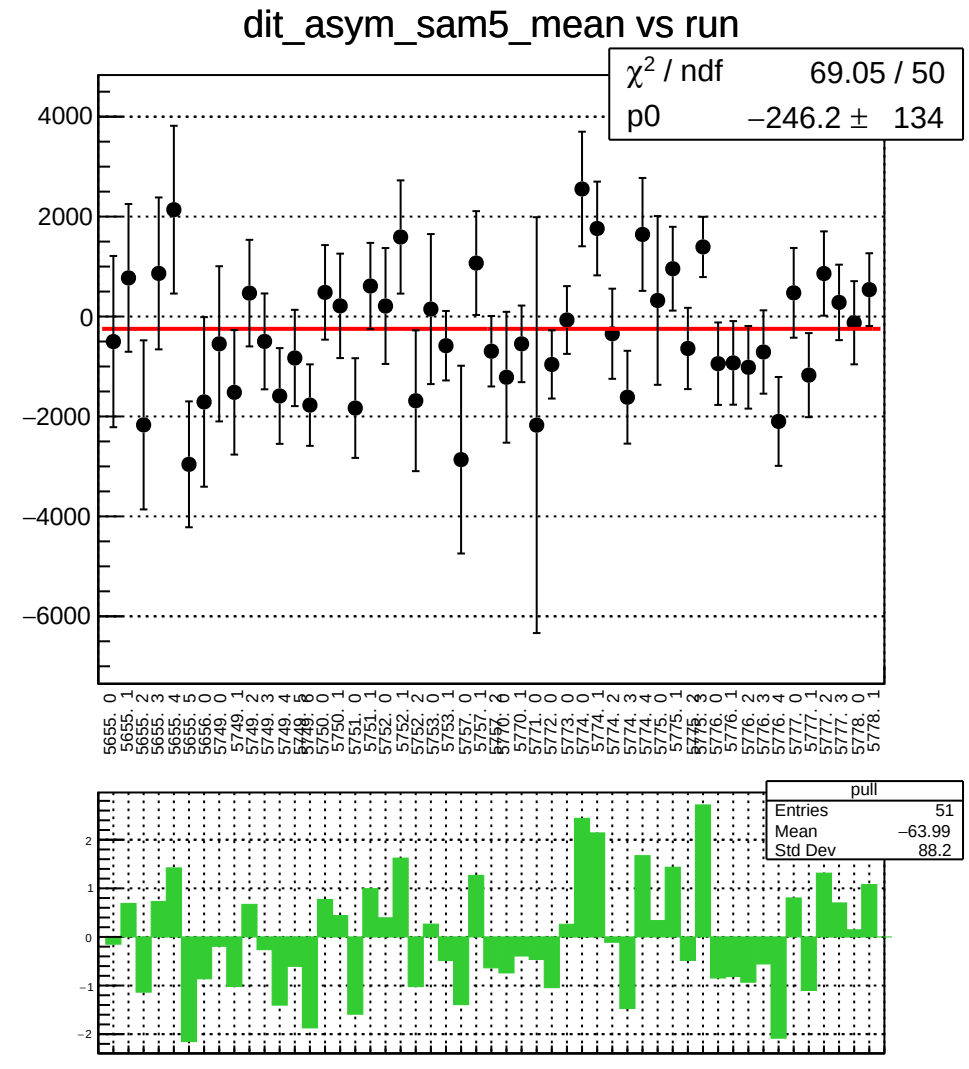
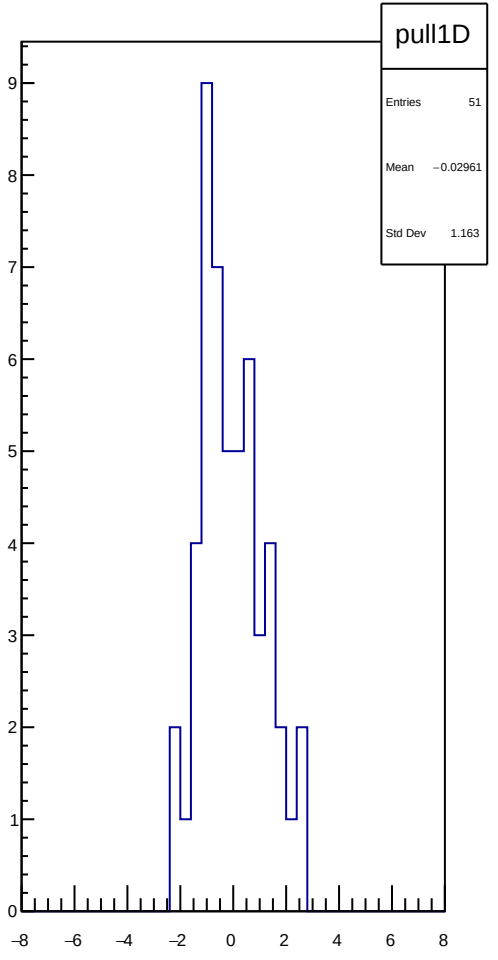
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

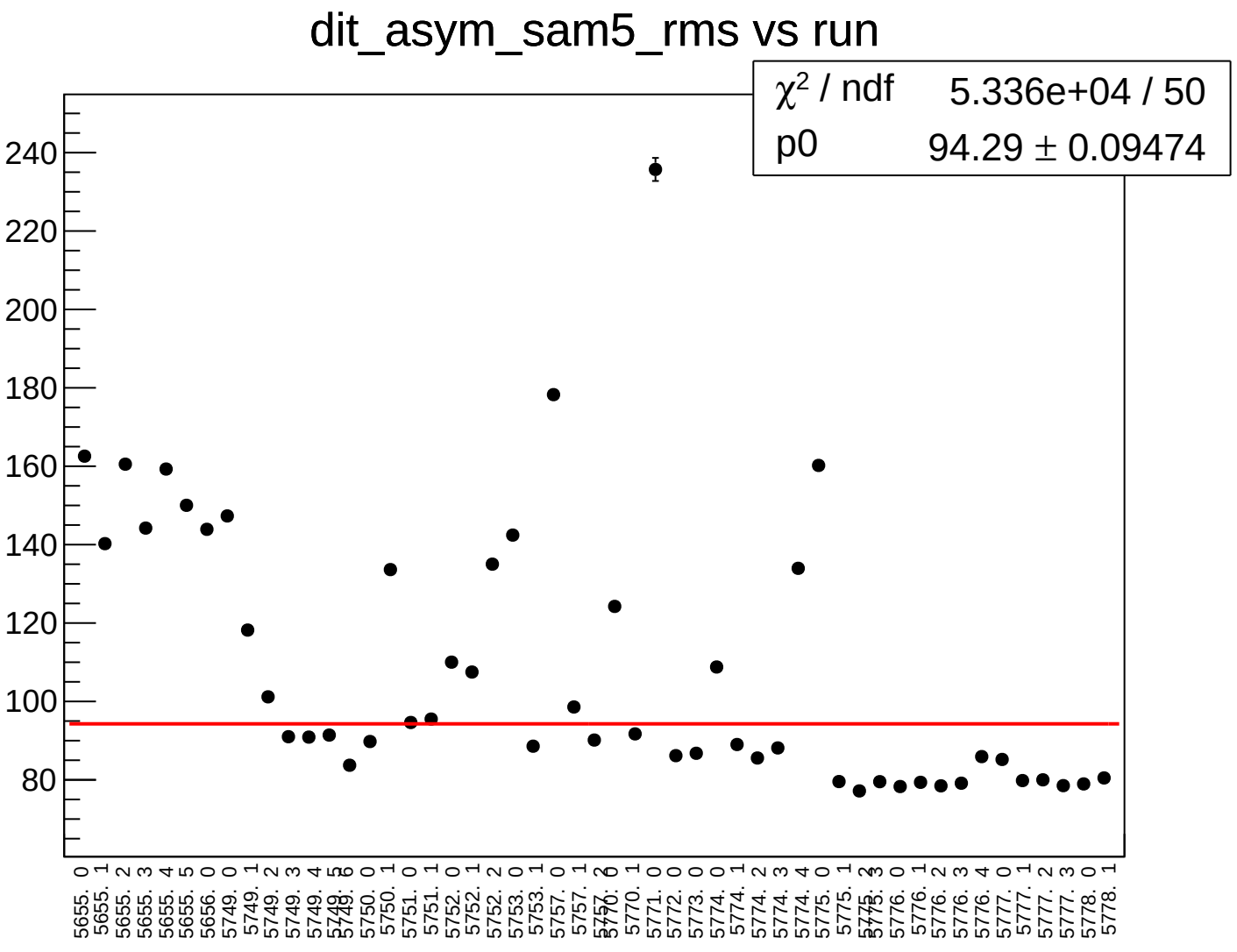

asym_sam4_mean vs run
×10^3
χ² / ndf 55.09 / 50
p0 1190 ± 2542
pull
Entries 51
Mean −19.05
Std Dev 35.82

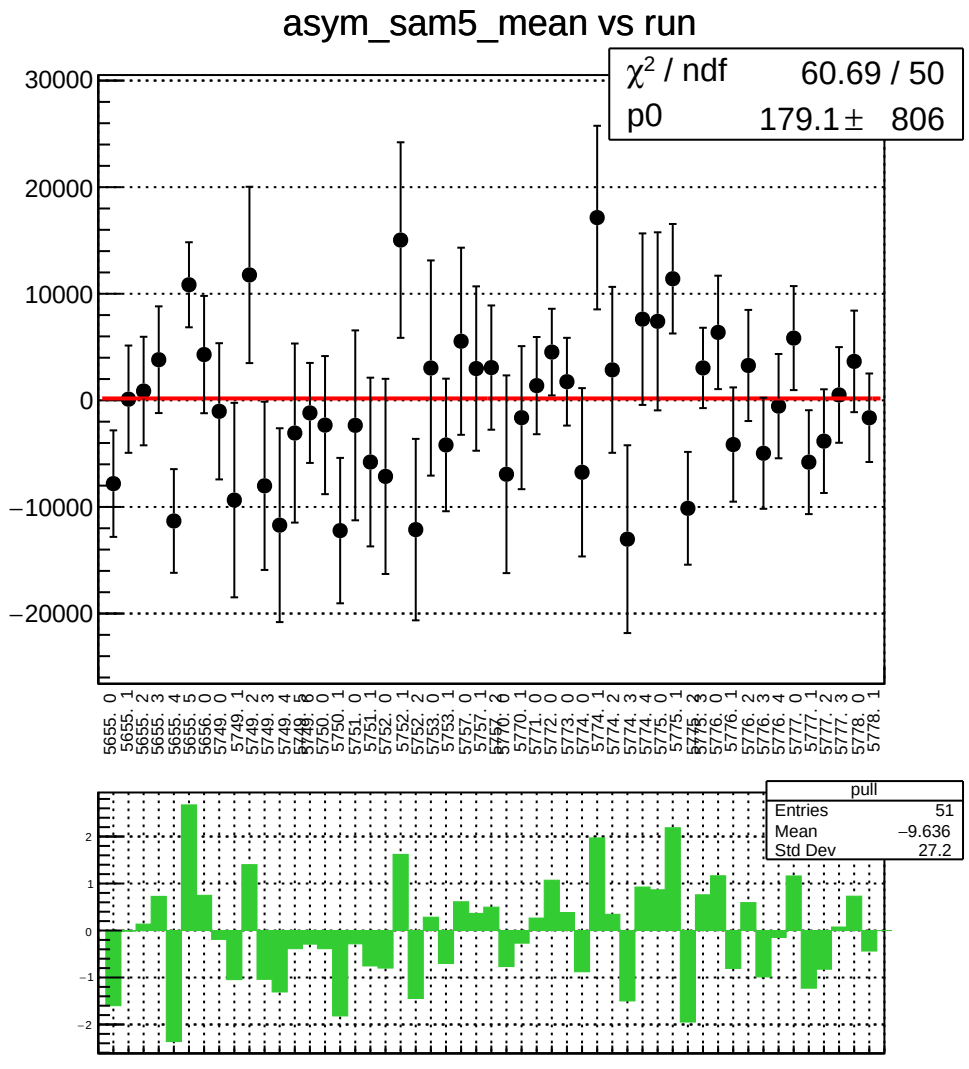

pull1D
Entries 51
Mean −0.03979
Std Dev 1.039

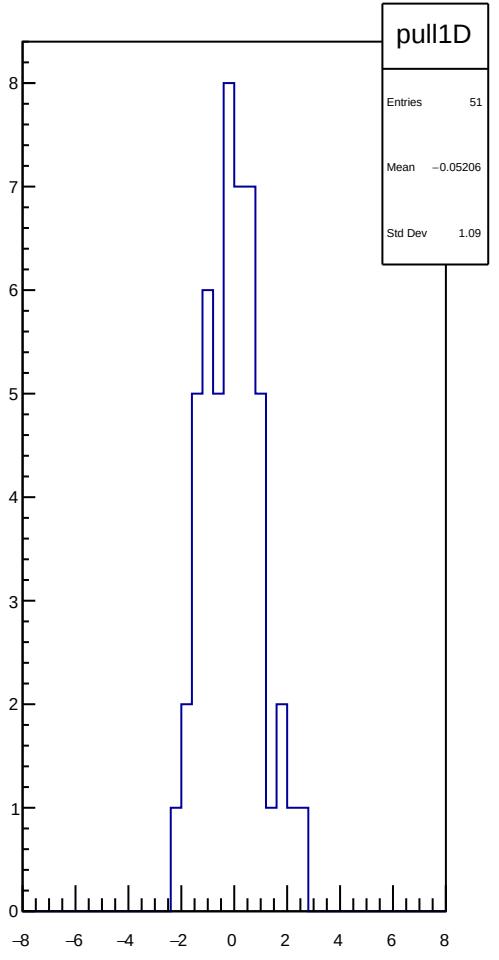

asym_sam4_rms vs run
χ² / ndf 4.516e+04 / 50
p0 1796 ± 1.798
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

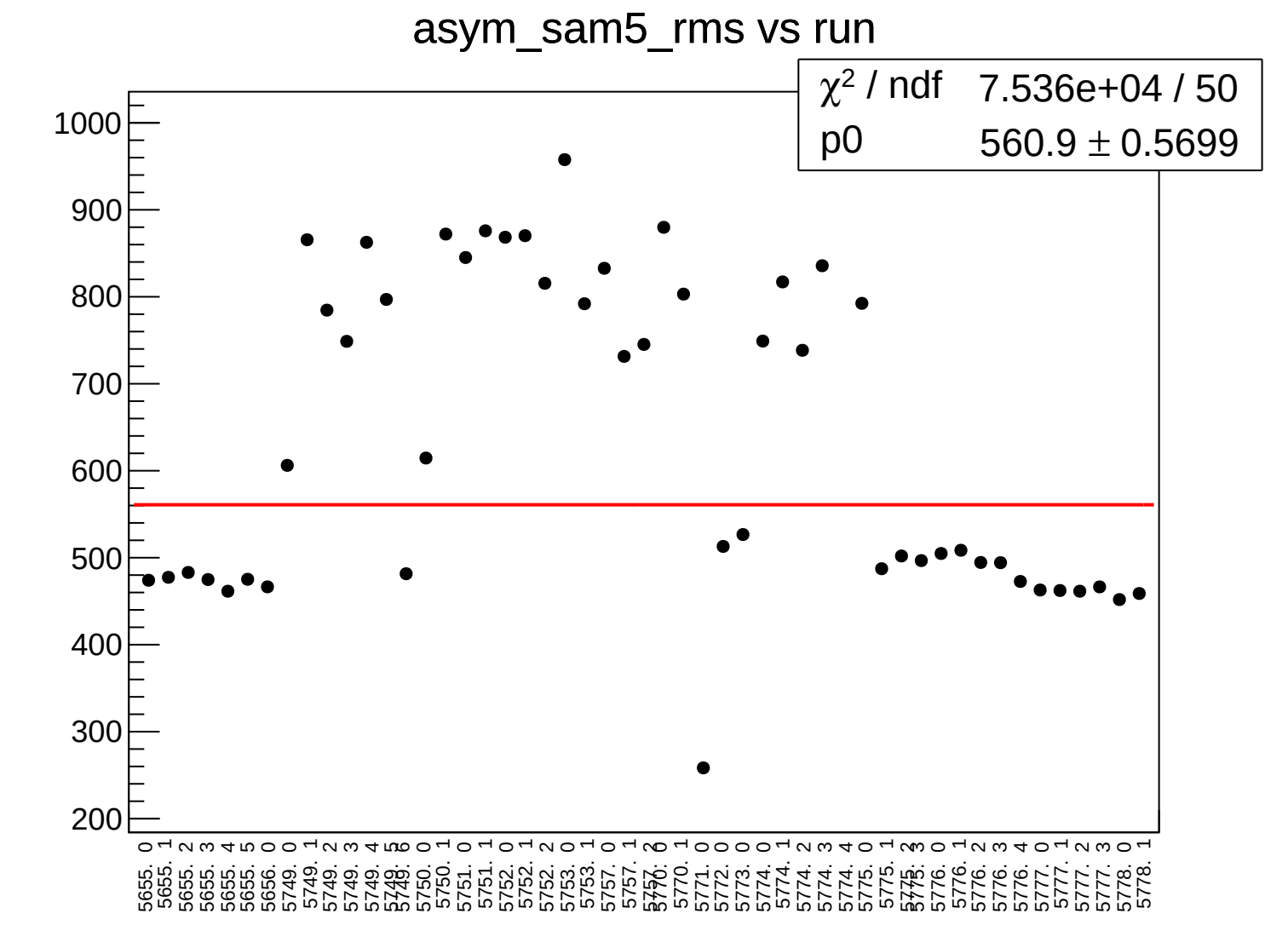

dit_asym_sam5_mean vs run
χ² / ndf 69.05 / 50
p0 −246.2 ± 134
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −63.99
Std Dev 88.2
2
1
0
−1
−2

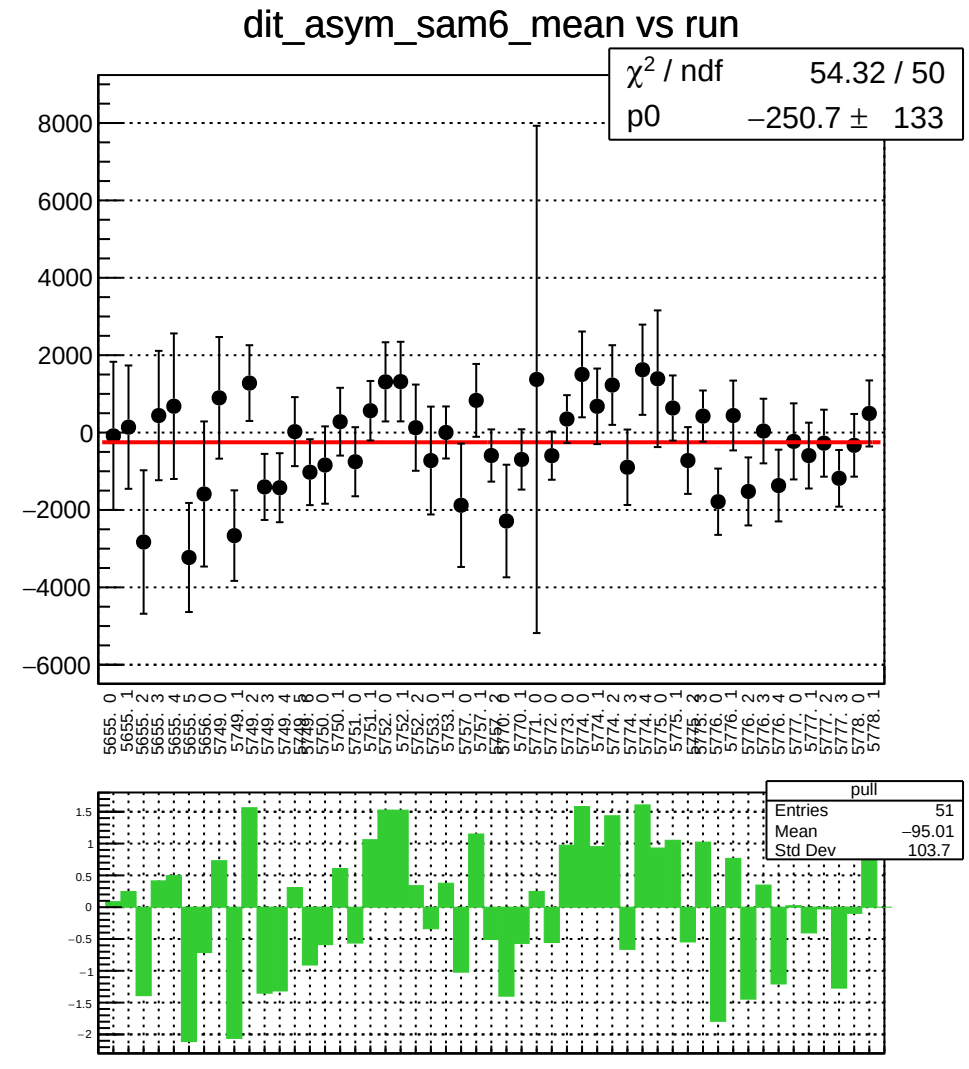

pull1D
Entries 51
Mean −0.02961
Std Dev 1.163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

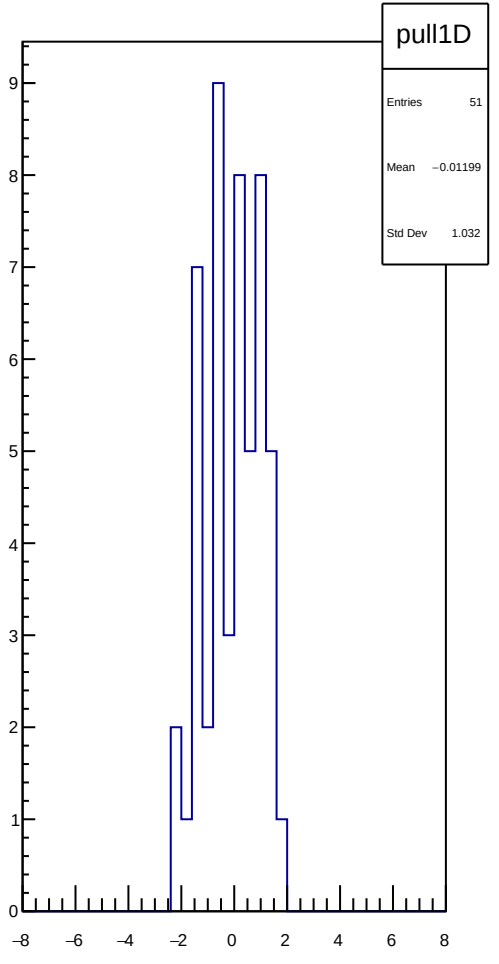

dit_asym_sam5_rms vs run
χ^2 / ndf 5.336e+04 / 50
p0 94.29 ± 0.09474
240
220
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

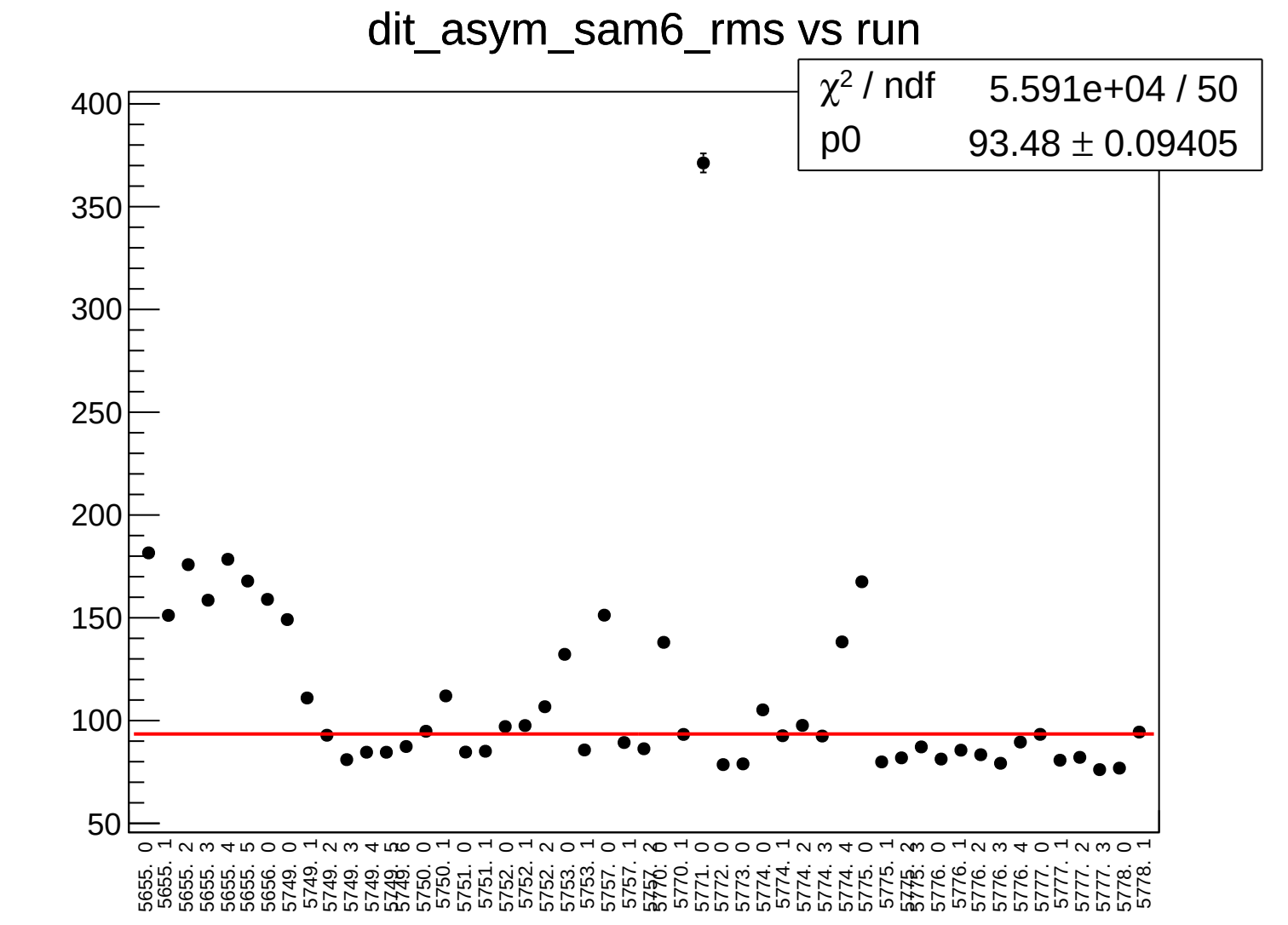

asym_sam5_mean vs run
χ² / ndf 60.69 / 50
p0 179.1 ± 806
30000
20000
10000
0
−10000
−20000
pull
Entries 51
Mean −9.636
Std Dev 27.2
2
1
0
−1
−2

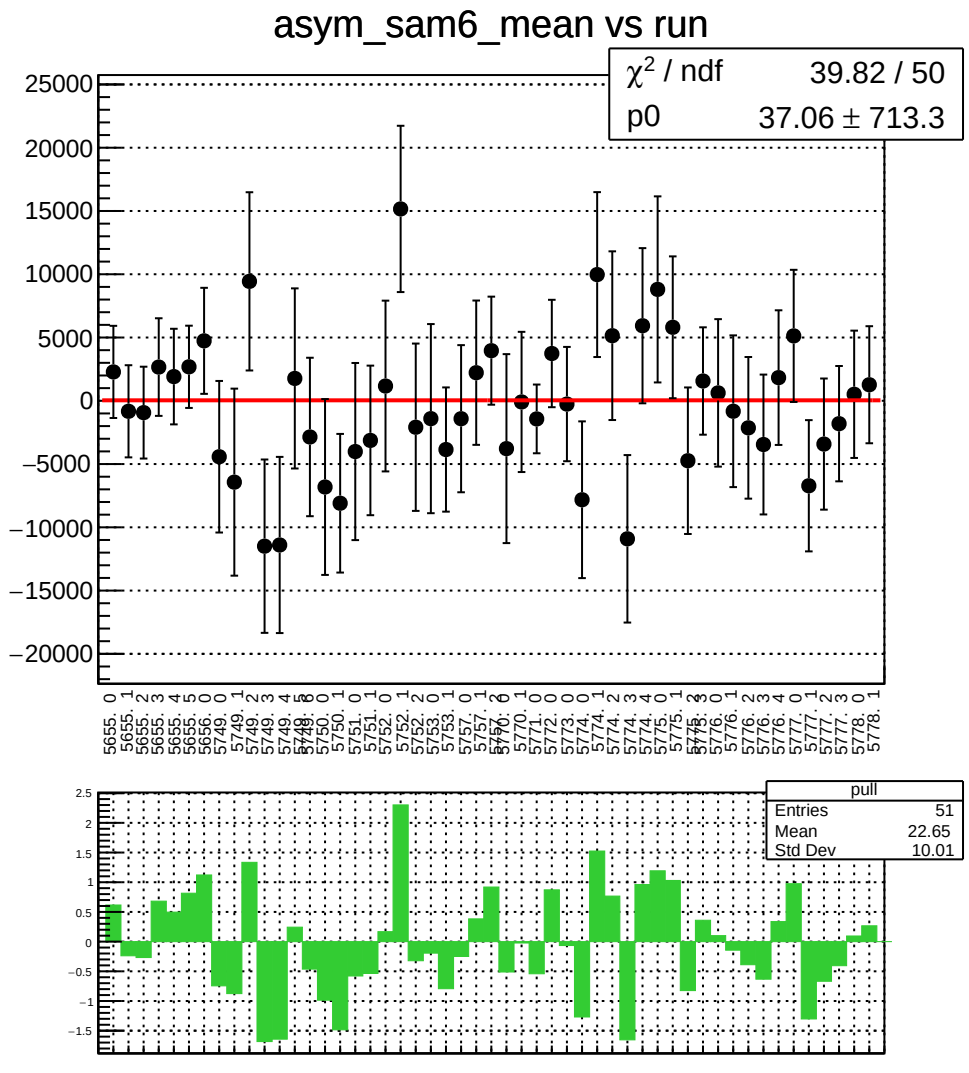

pull1D
Entries 51
Mean −0.05206
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

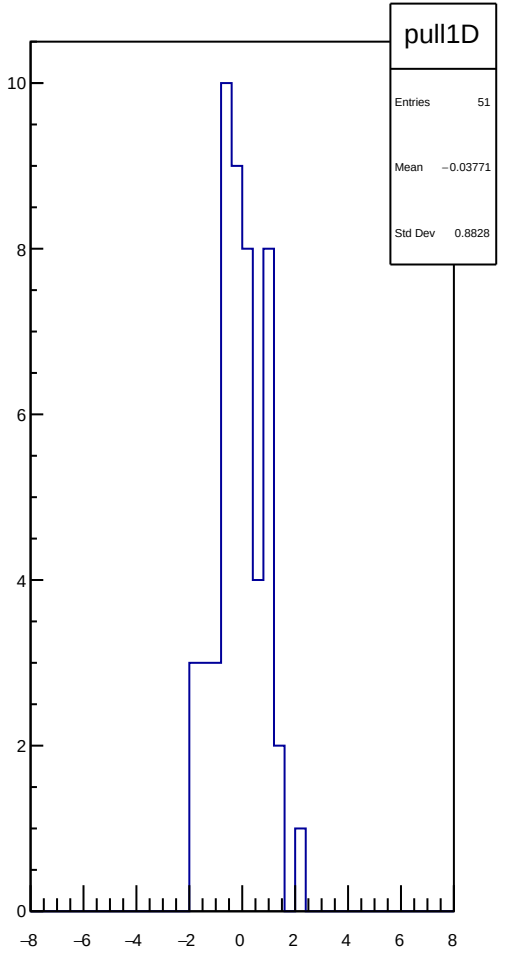

asym_sam5_rms vs run
χ² / ndf 7.536e+04 / 50
p0 560.9 ± 0.5699
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

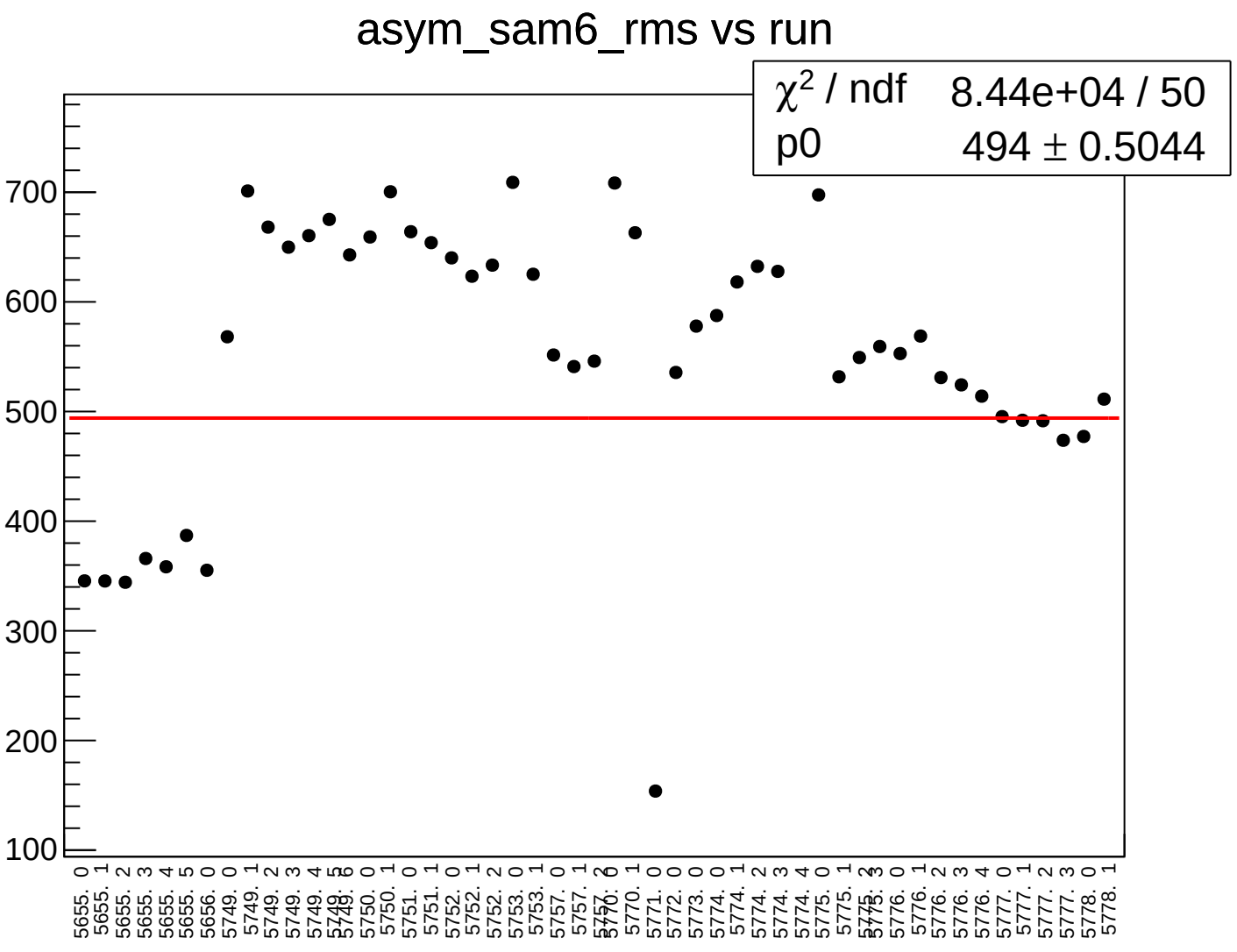

dit_asym_sam6_mean vs run
χ² / ndf 54.32 / 50
p0 −250.7 ± 133
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −95.01
Std Dev 103.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

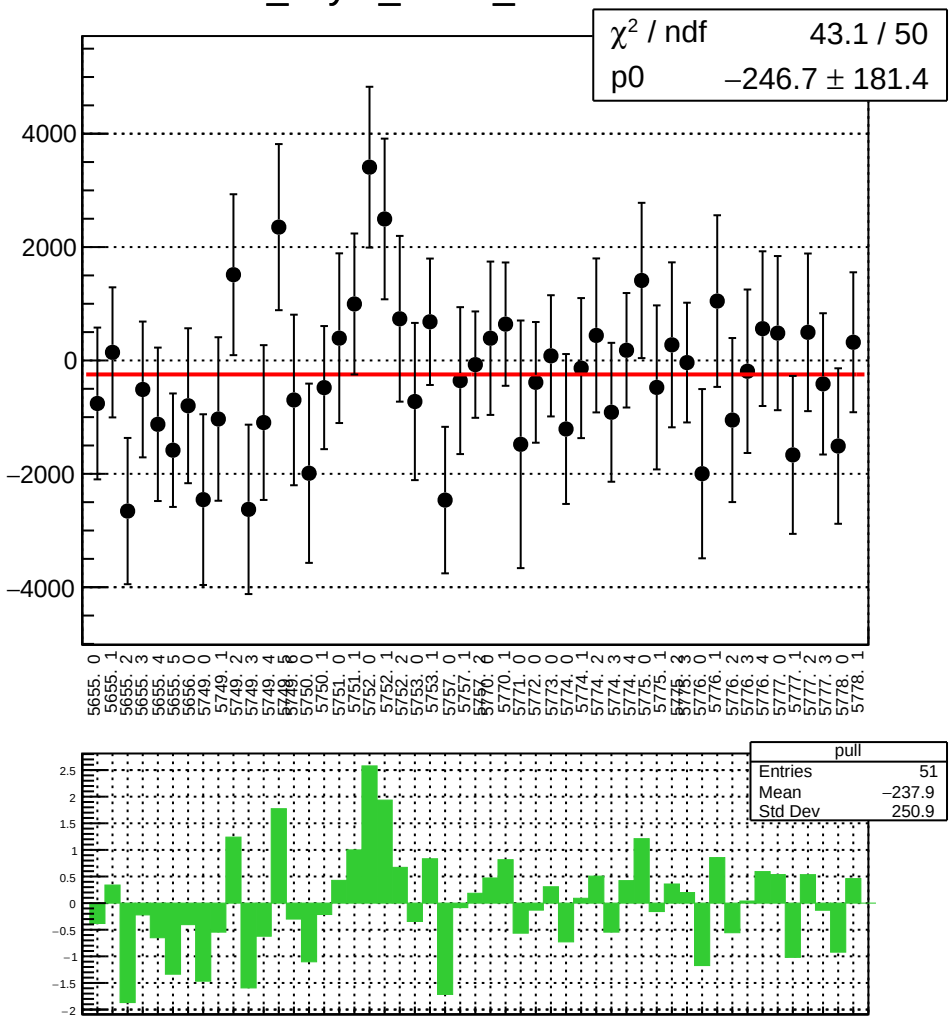

pull1D
Entries 51
Mean −0.01199
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

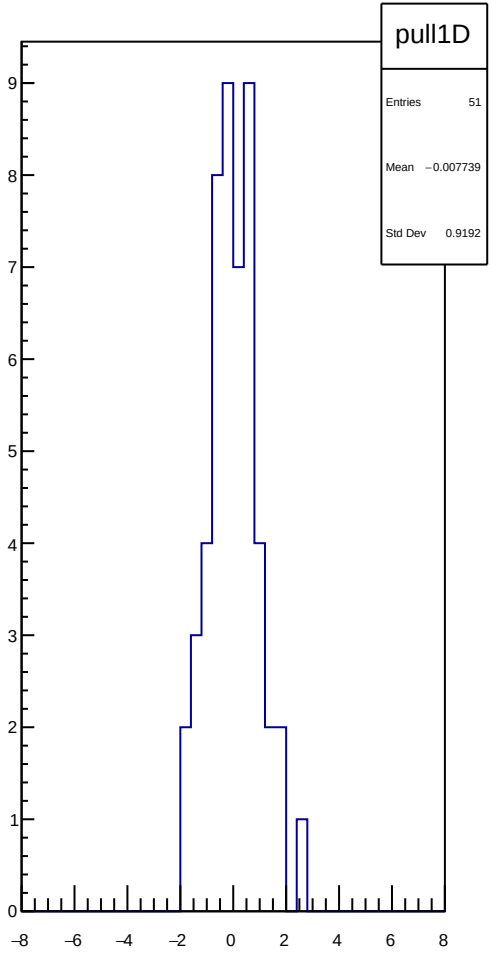

dit_asym_sam6_rms vs run
χ^2 / ndf 5.591e+04 / 50
p0 93.48 ± 0.09405
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

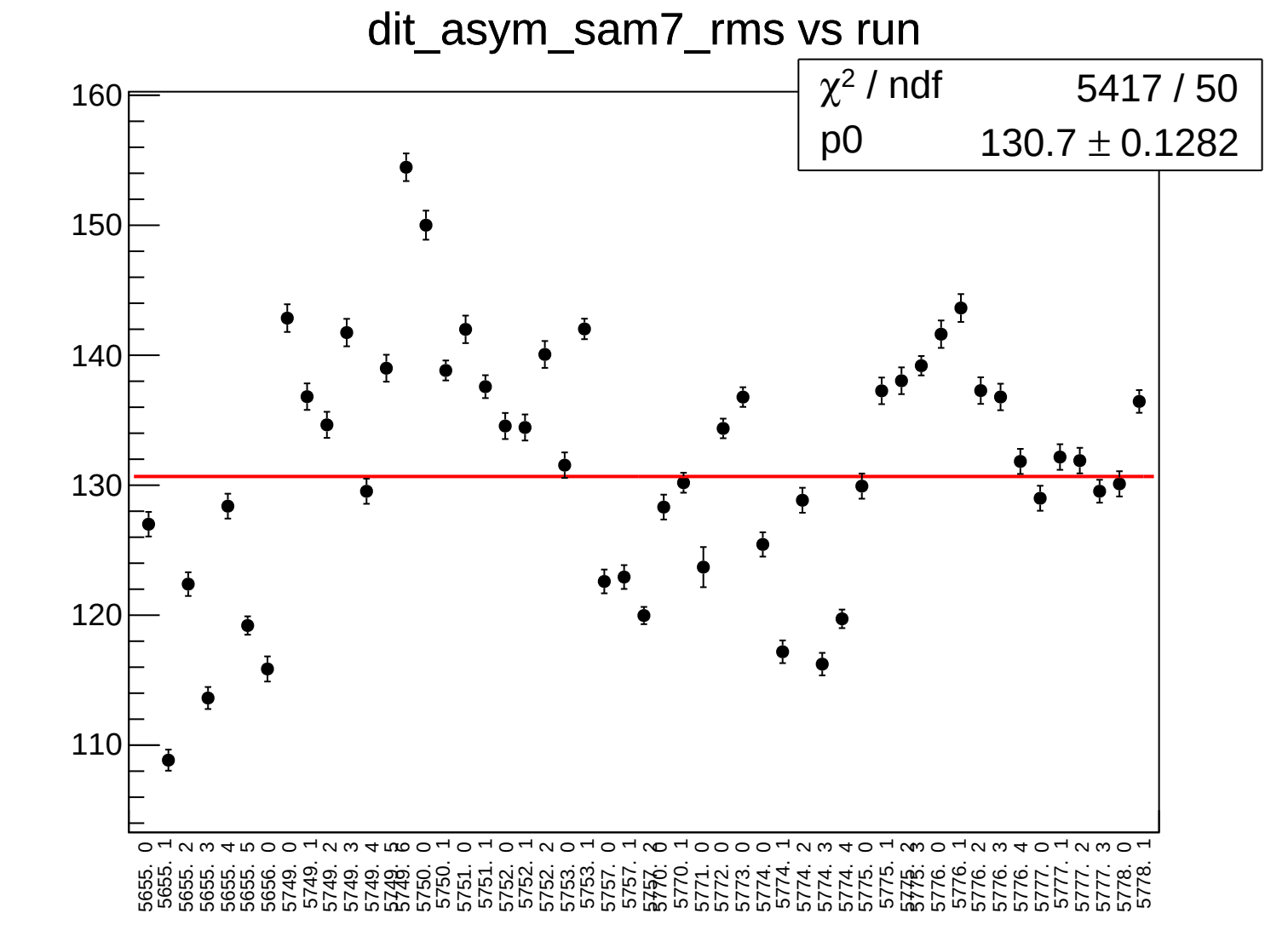

asym_sam6_mean vs run
χ² / ndf 39.82 / 50
p0 37.06 ± 713.3
pull
Entries 51
Mean 22.65
Std Dev 10.01

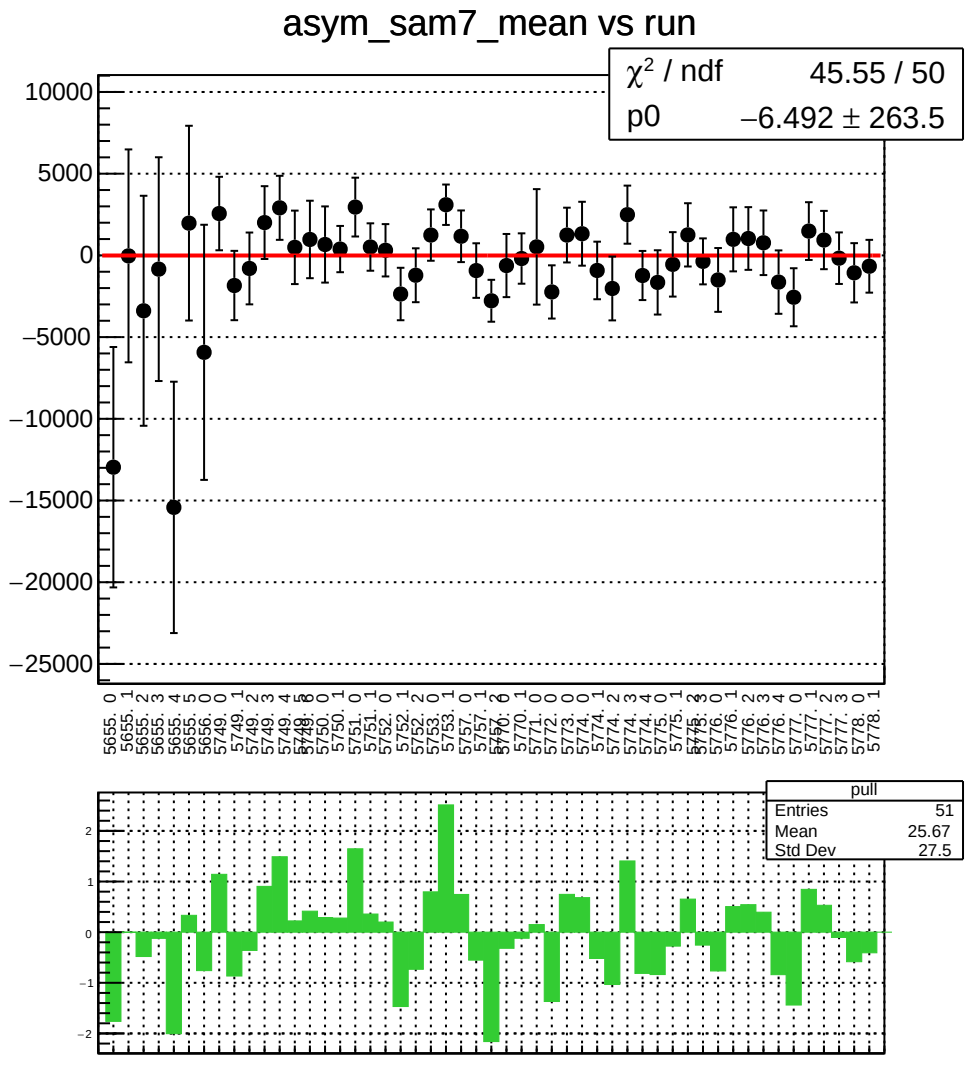

pull1D
Entries 51
Mean −0.03771
Std Dev 0.8828

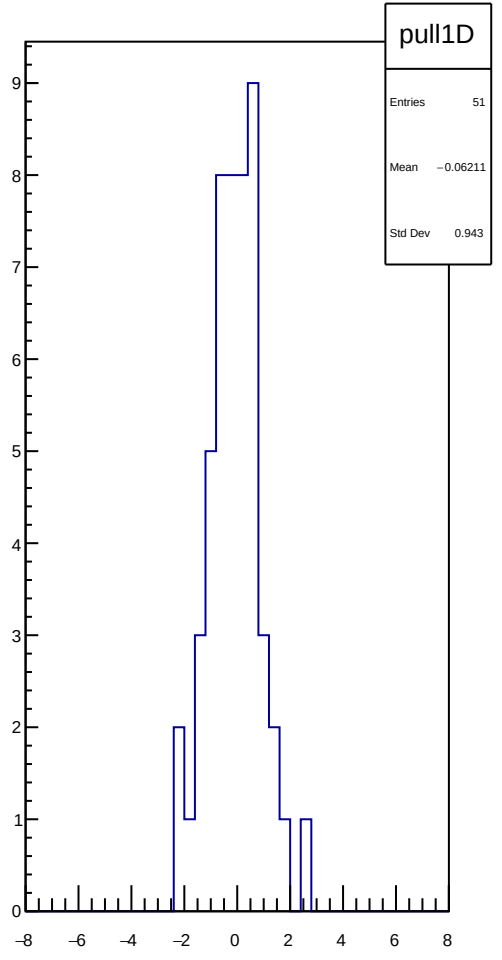

asym_sam6_rms vs run
χ² / ndf 8.44e+04 / 50
p0 494 ± 0.5044
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

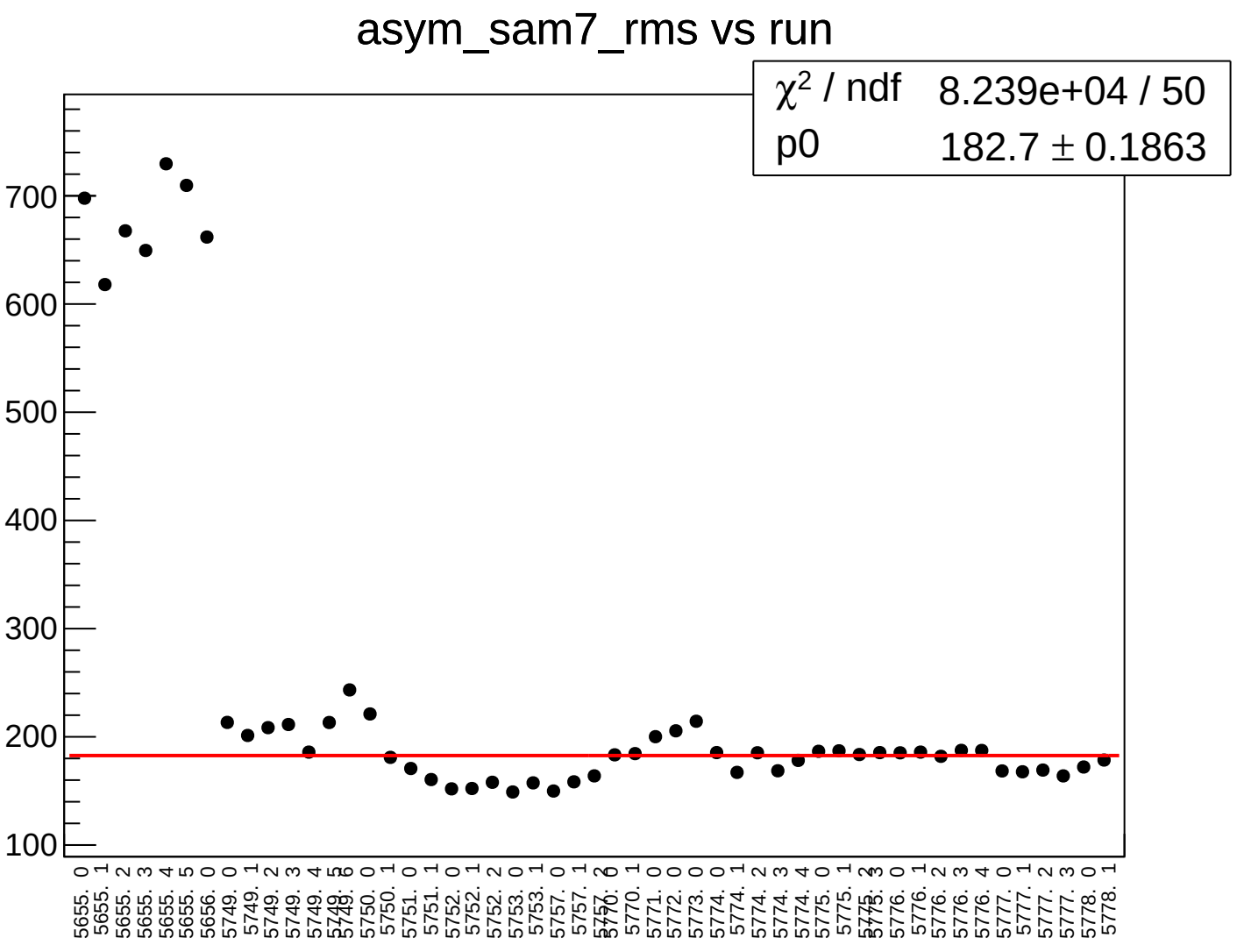

dit_asym_sam7_mean vs run
χ^2 / ndf 43.1 / 50
p0 −246.7 ± 181.4
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −237.9
Std Dev 250.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

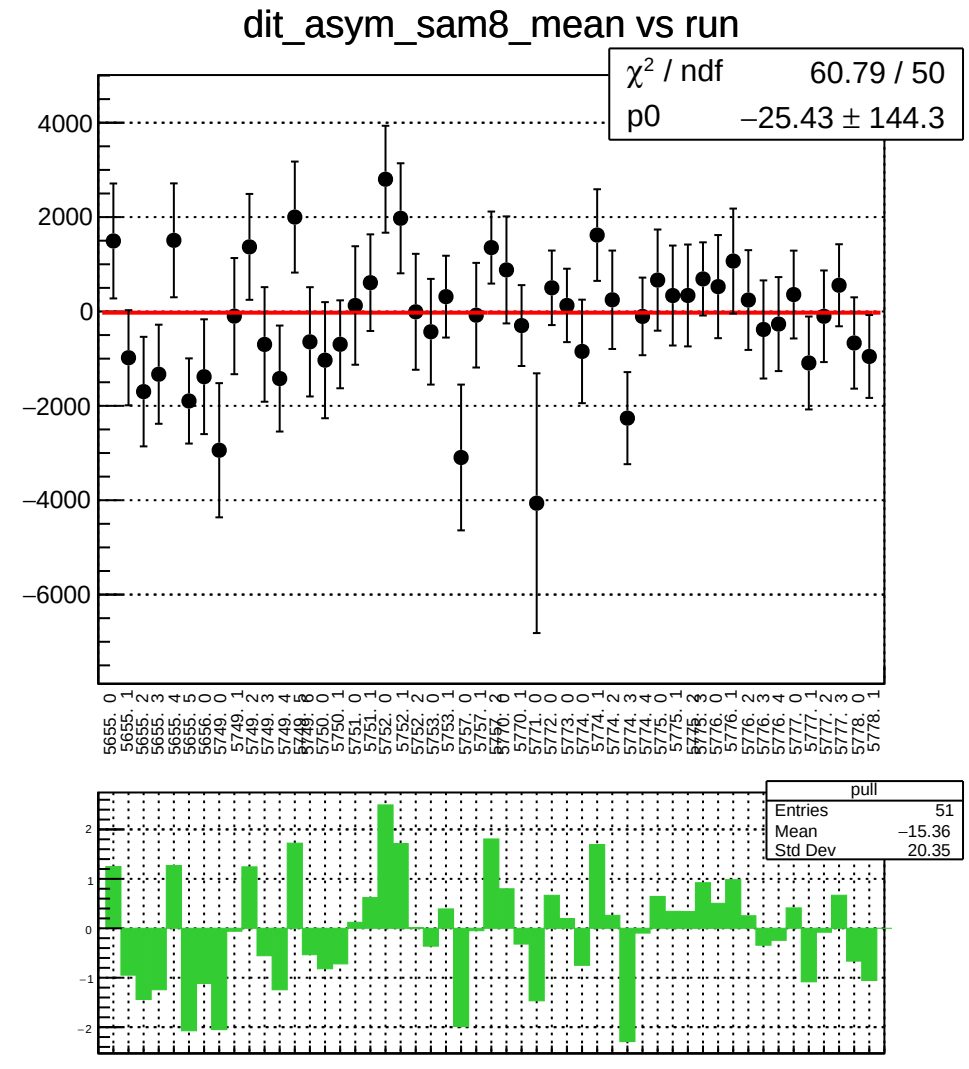

pull1D
Entries 51
Mean −0.007739
Std Dev 0.9192
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

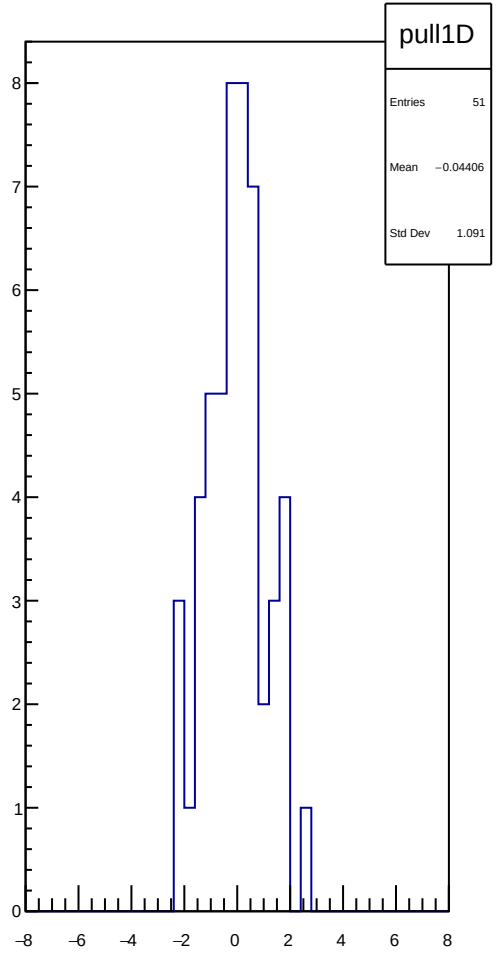

dit_asym_sam7_rms vs run
χ² / ndf 5417 / 50
p0 130.7 ± 0.1282
160
150
140
130
120
110
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

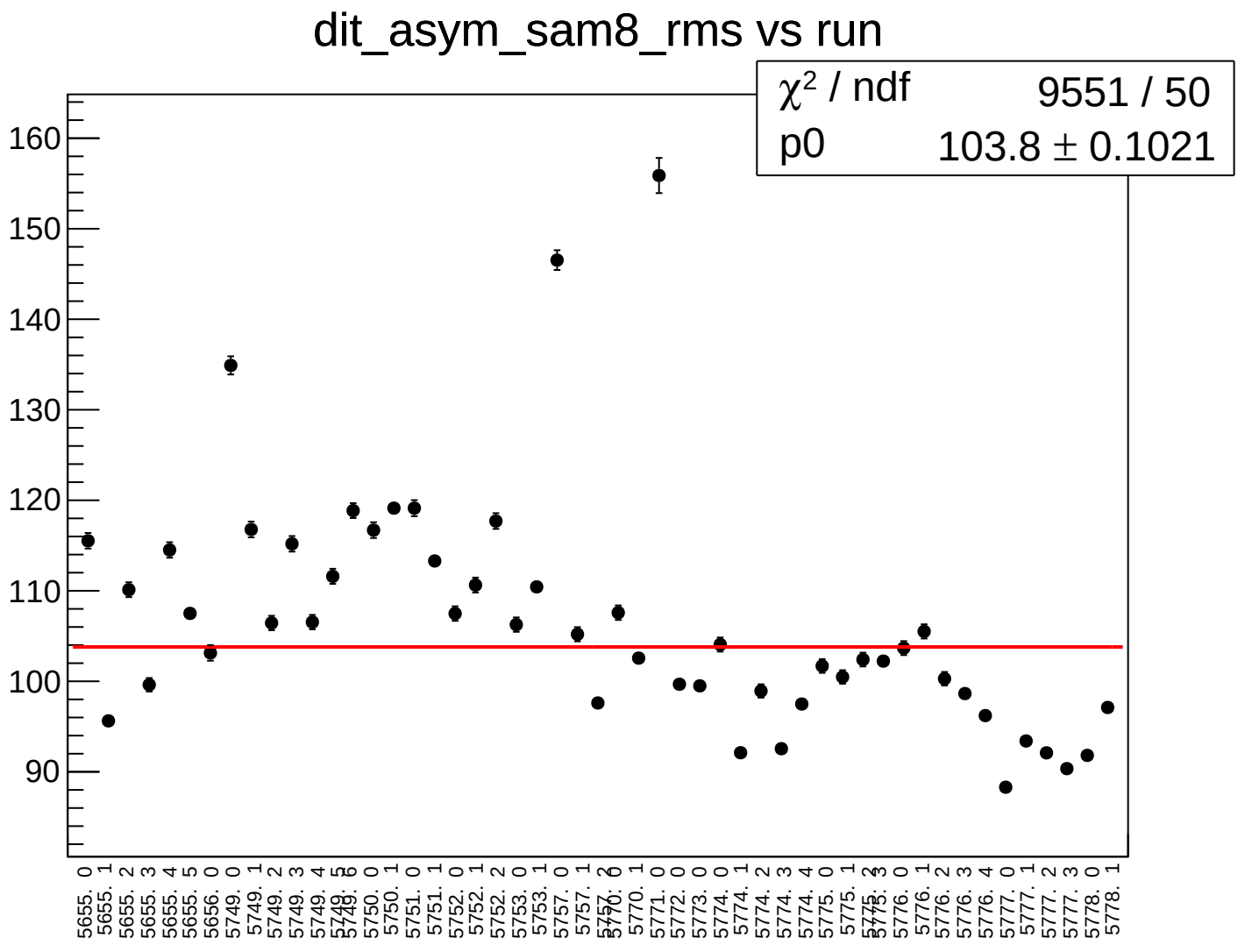

asym_sam7_mean vs run
χ² / ndf 45.55 / 50
p0 −6.492 ± 263.5
pull
Entries 51
Mean 25.67
Std Dev 27.5

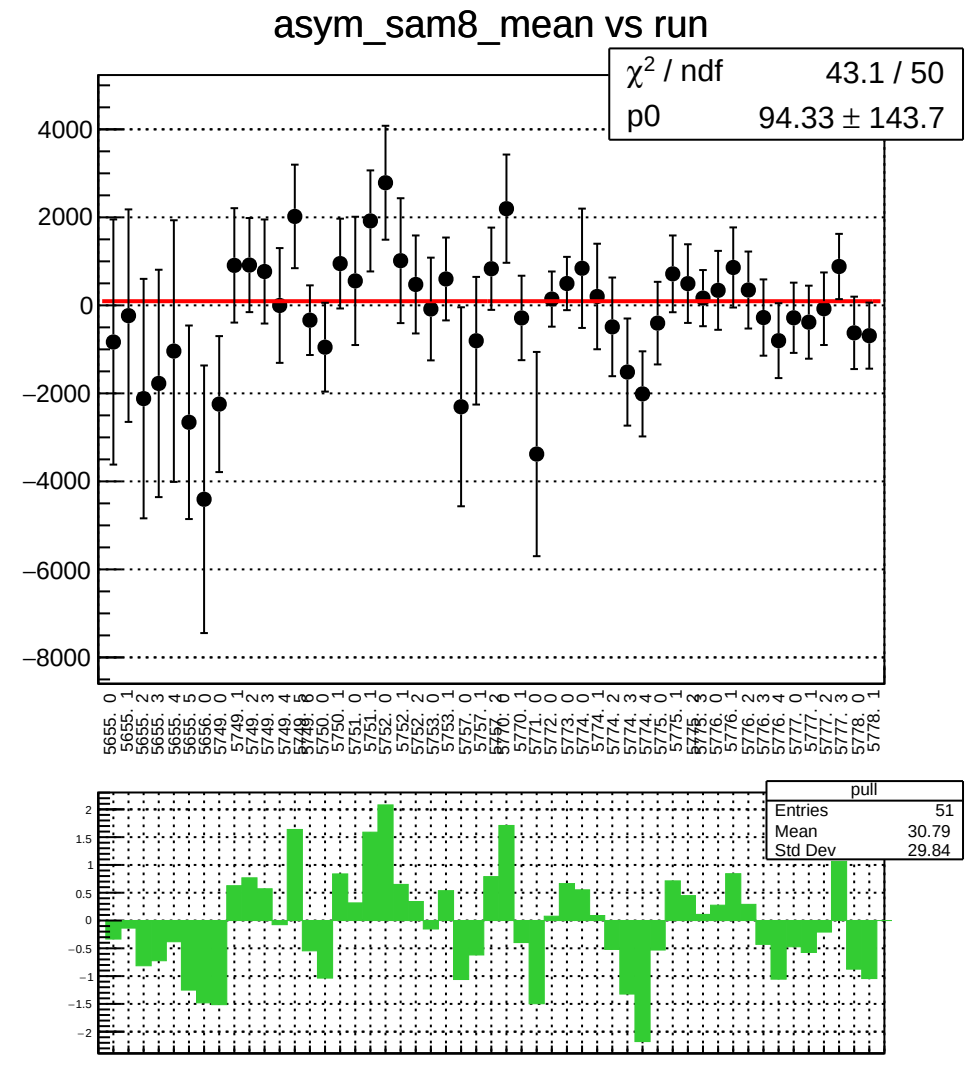

pull1D
Entries 51
Mean −0.06211
Std Dev 0.943

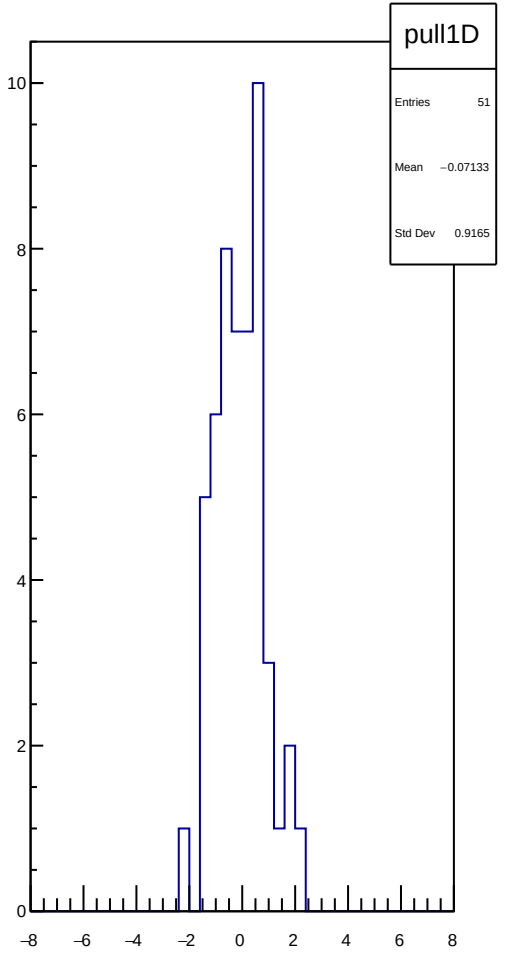

asym_sam7_rms vs run
χ² / ndf 8.239e+04 / 50
p0 182.7 ± 0.1863
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

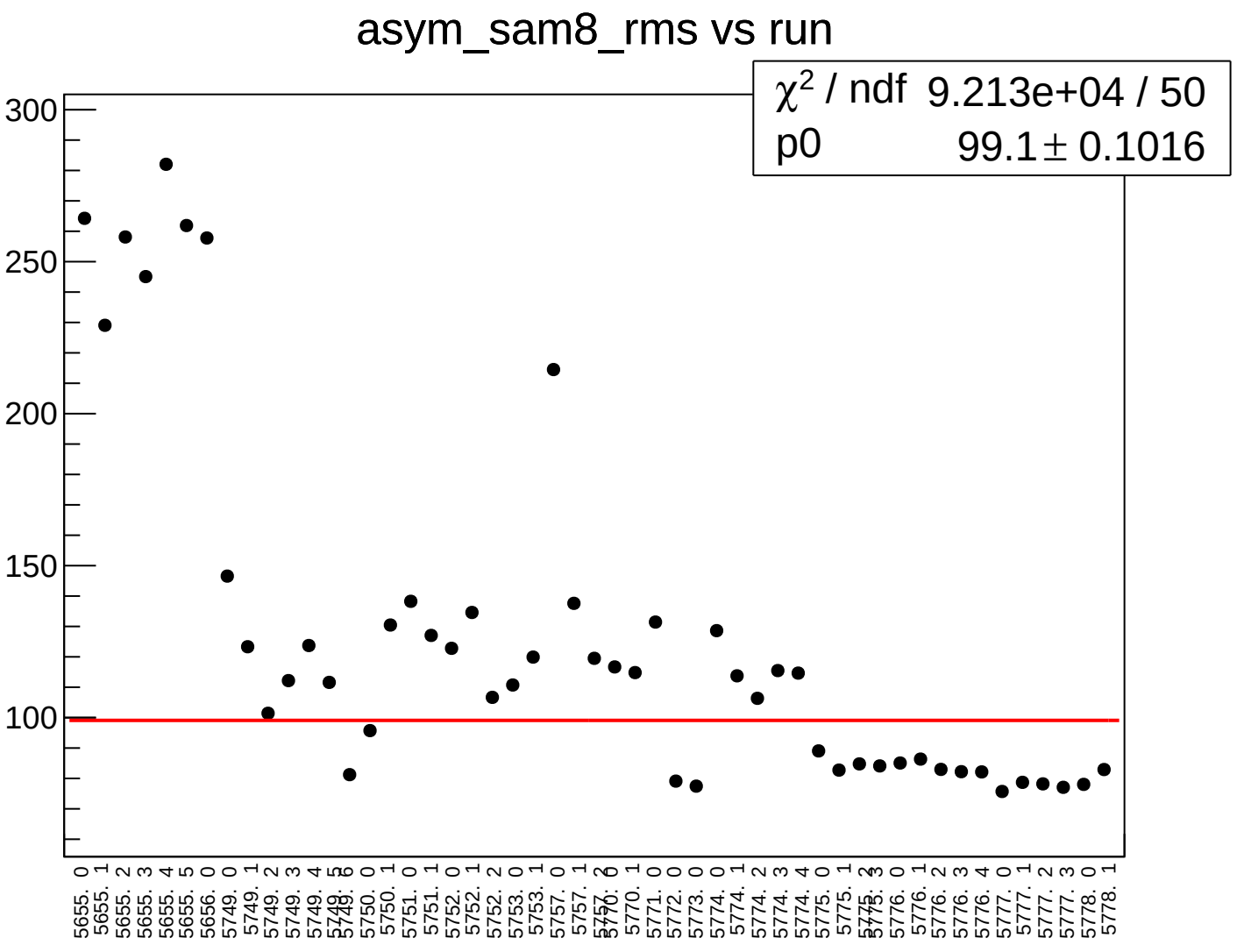

dit_asym_sam8_mean vs run
χ² / ndf 60.79 / 50
p0 −25.43 ± 144.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −15.36
Std Dev 20.35
2
1
0
−1
−2

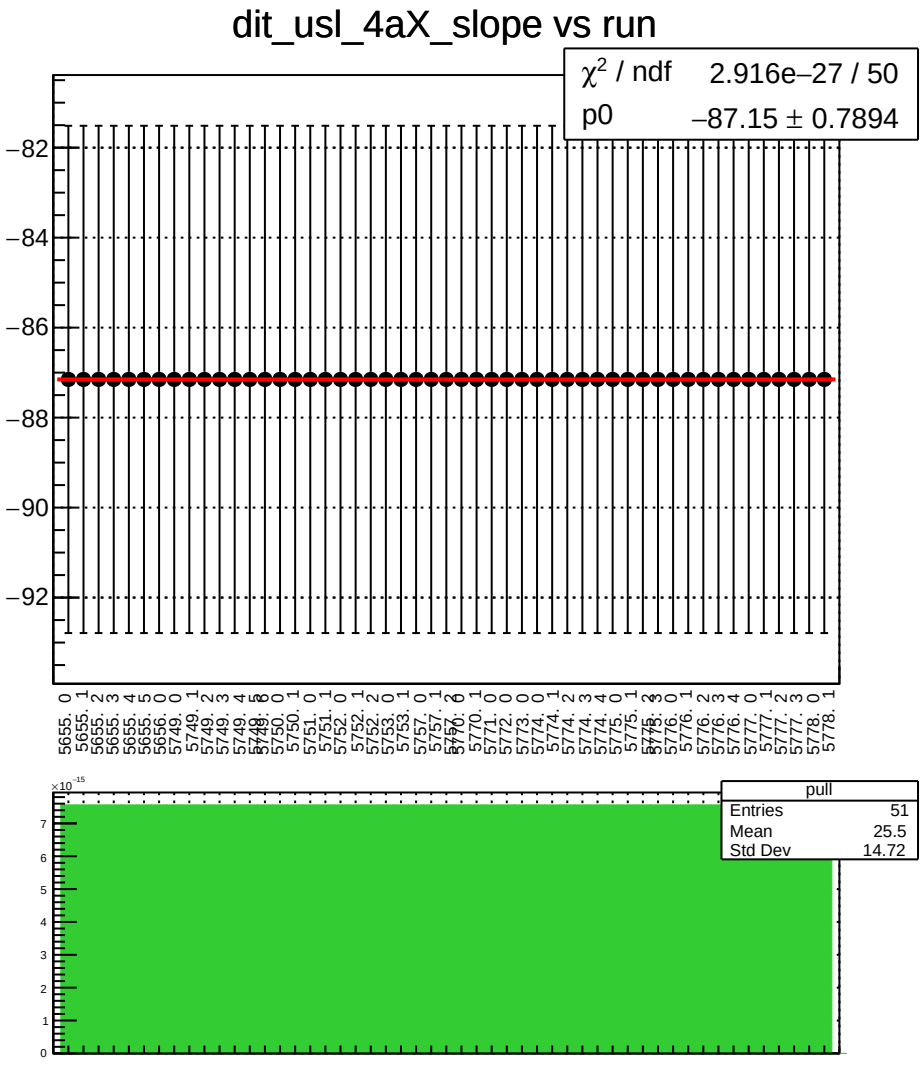

pull1D
Entries 51
Mean −0.04406
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

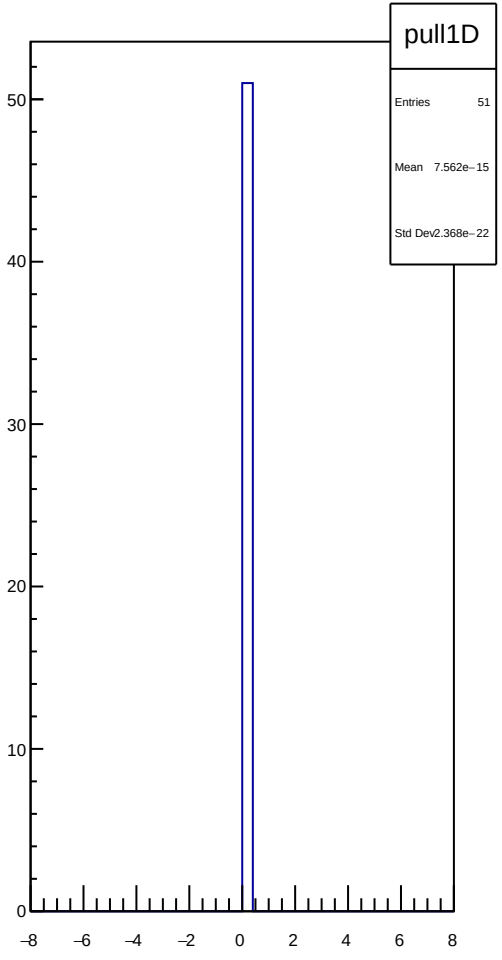

dit_asym_sam8_rms vs run
χ² / ndf 9551 / 50
p0 103.8 ± 0.1021
160
150
140
130
120
110
100
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

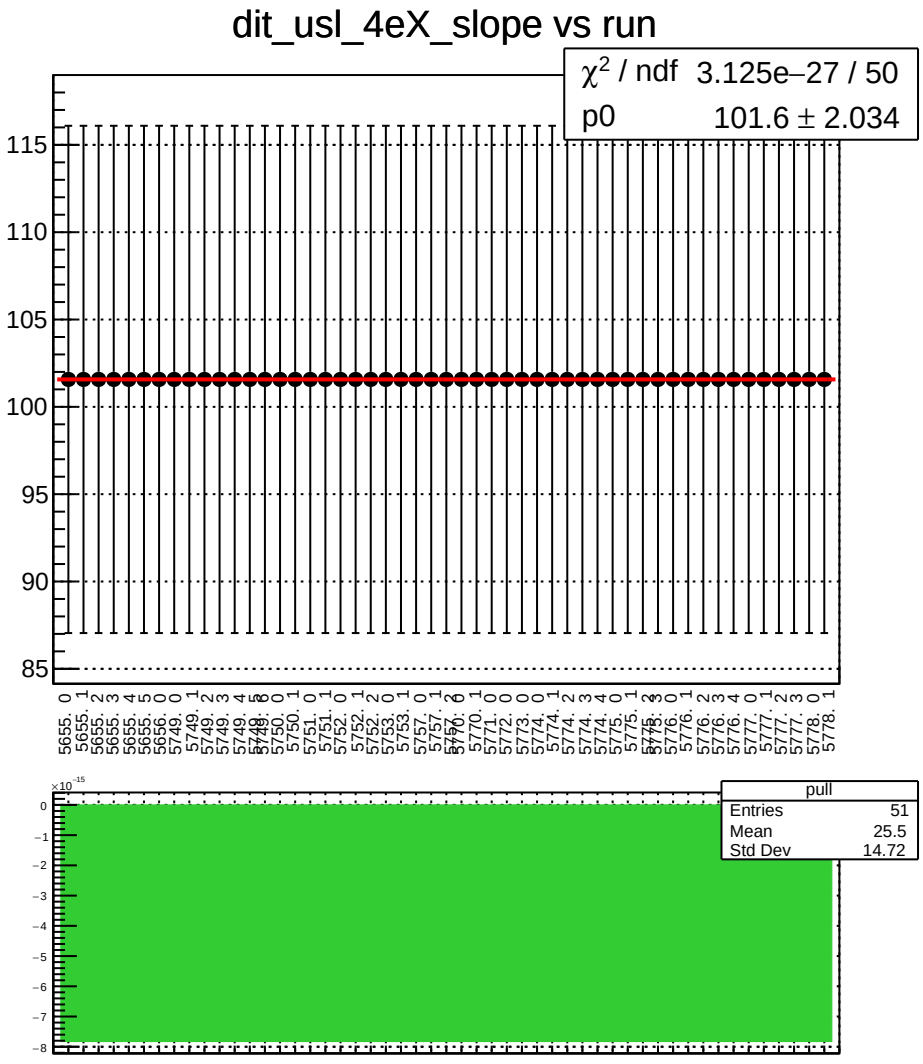

asym_sam8_mean vs run
χ² / ndf 43.1 / 50
p0 94.33 ± 143.7
pull
Entries 51
Mean 30.79
Std Dev 29.84

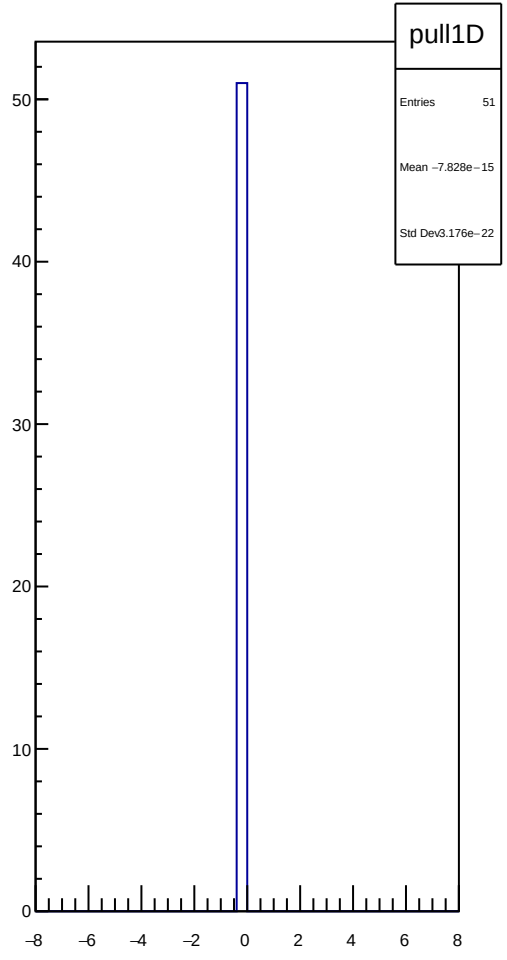

pull1D
Entries 51
Mean −0.07133
Std Dev 0.9165

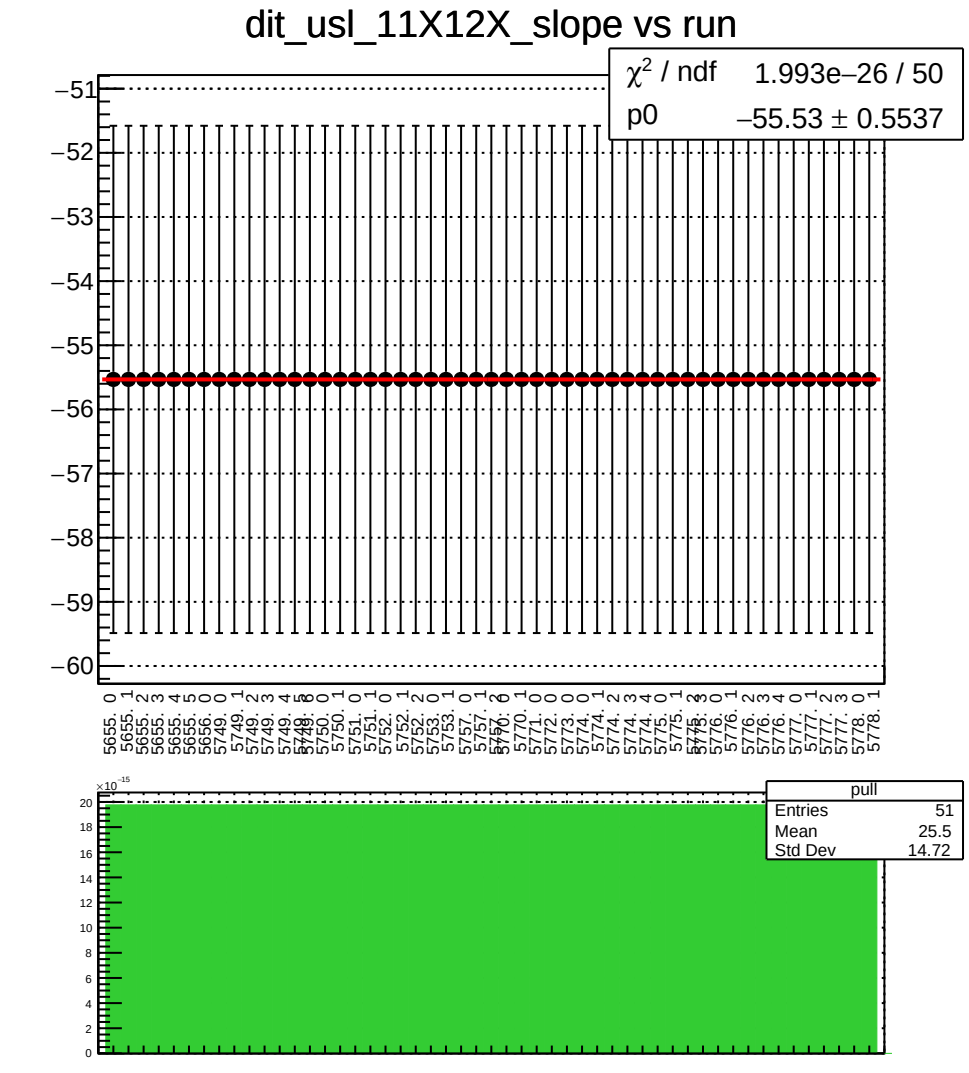

asym_sam8_rms vs run
χ^2 / ndf 9.213e+04 / 50
p0 99.1 ± 0.1016
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

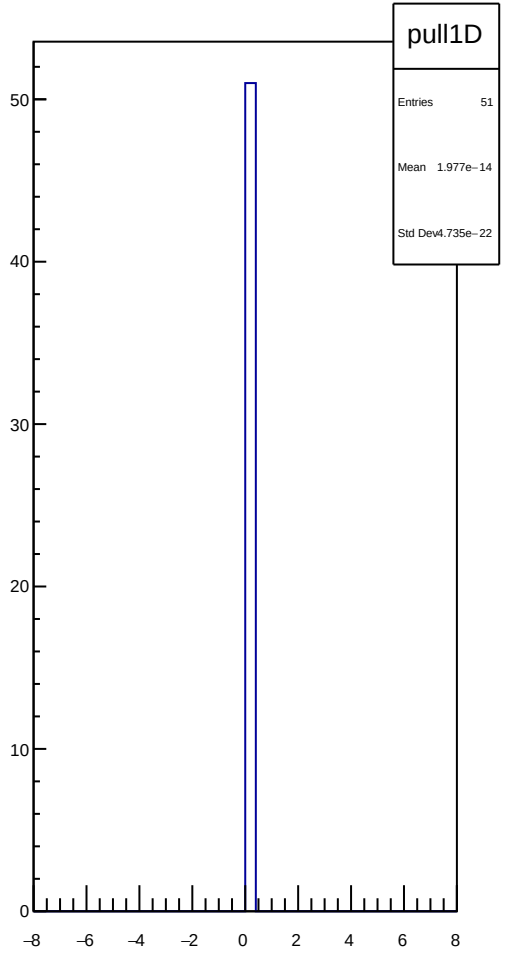

dit_usl_4aX_slope vs run
χ² / ndf 2.916e−27 / 50
p0 −87.15 ± 0.7894
−82
−84
−86
−88
−90
−92
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull
Entries 51
Mean 25.5
Std Dev 14.72

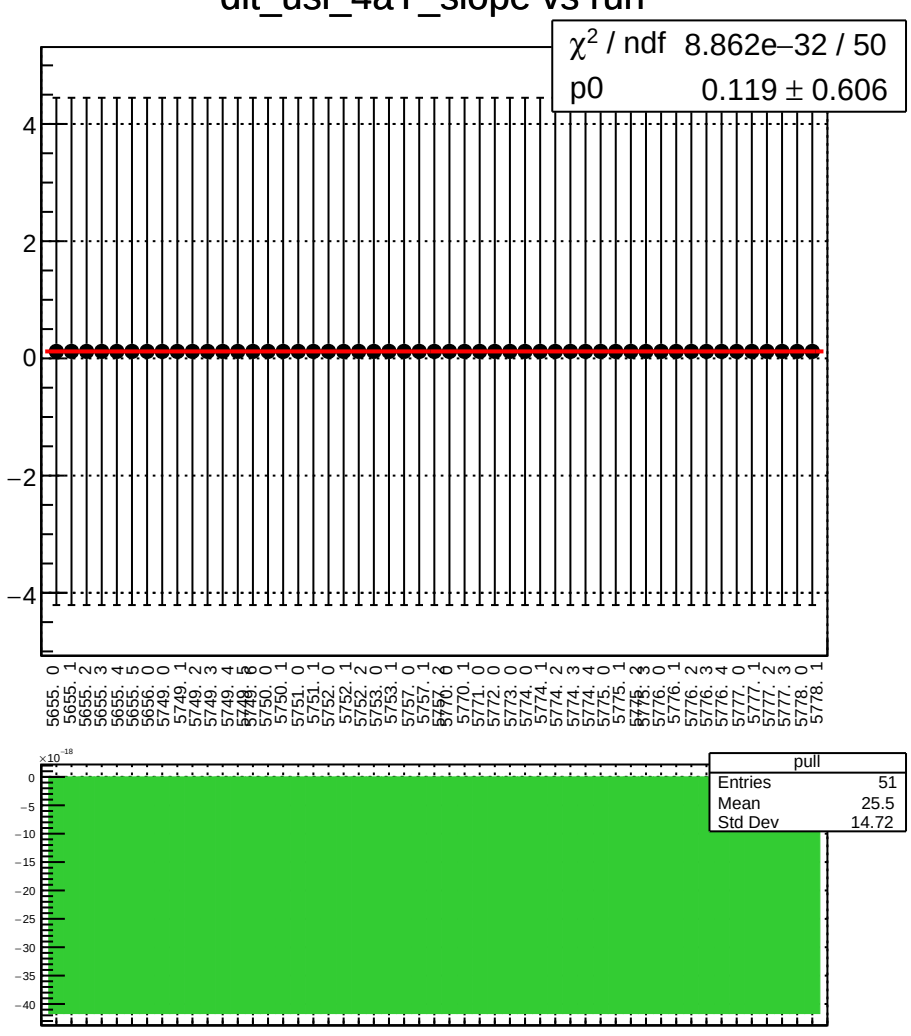

pull1D
Entries 51
Mean 7.562e−15
Std Dev 2.368e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

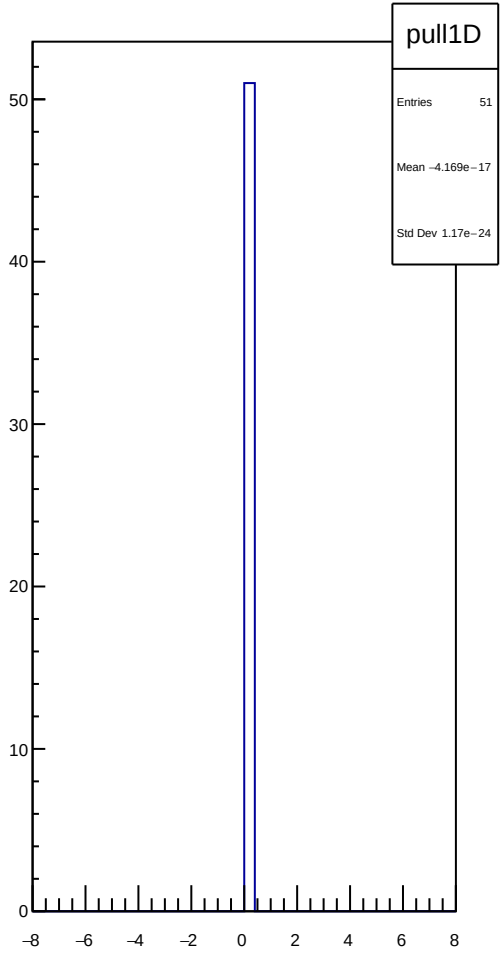

dit_usl_4eX_slope vs run
χ^2 / ndf 3.125e−27 / 50
p0 101.6 ± 2.034
115
110
105
100
95
90
85
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻�15
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 51
Mean 25.5
Std Dev 14.72

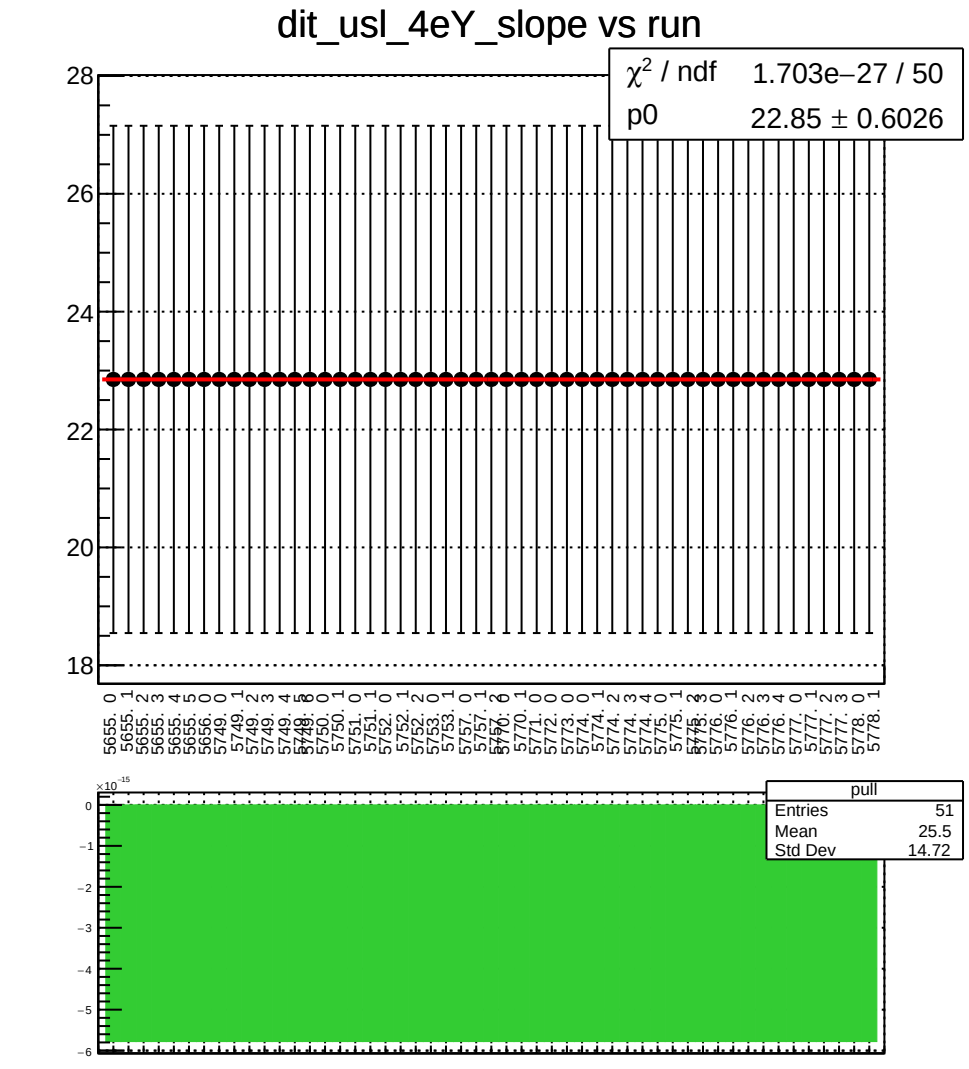

pull1D
Entries 51
Mean −7.828e−15
Std Dev 3.176e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

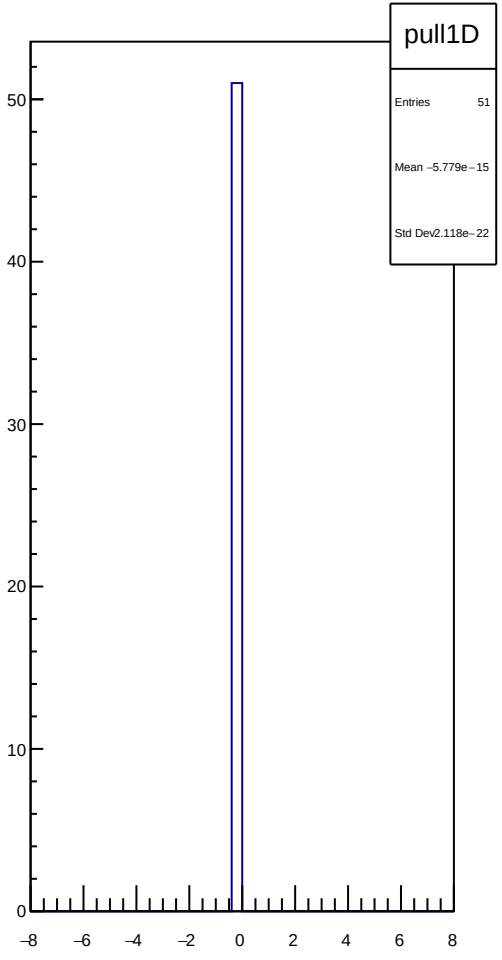

dit_usl_11X12X_slope vs run
χ² / ndf 1.993e−26 / 50
p0 −55.53 ± 0.5537
pull
Entries 51
Mean 25.5
Std Dev 14.72

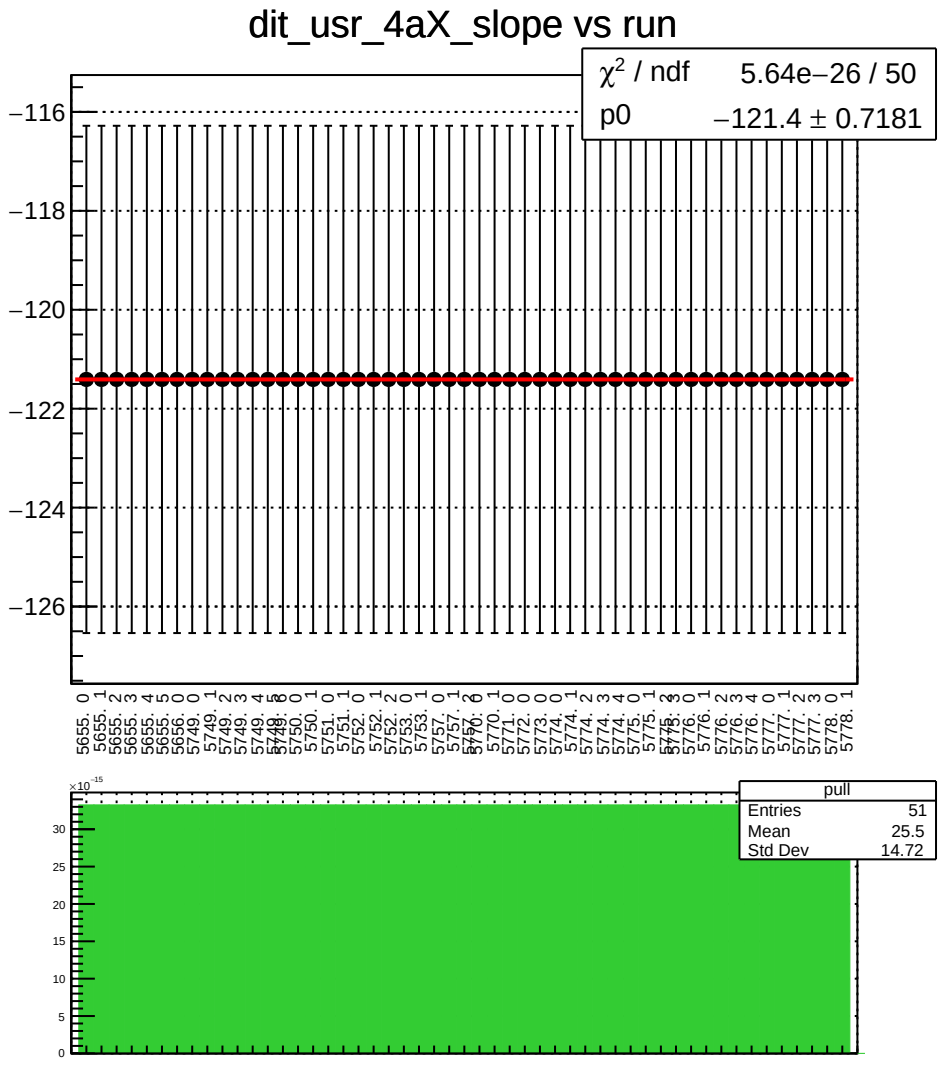

pull1D
Entries 51
Mean 1.977e−14
Std Dev4.735e−22

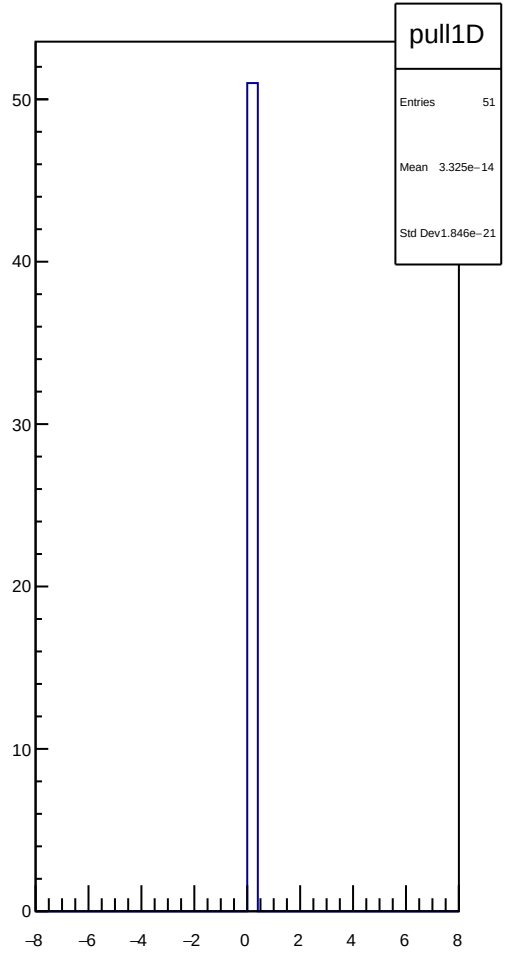

dit_usl_4aY_slope vs run
χ² / ndf 8.862e−32 / 50
p0 0.119 ± 0.606
pull
Entries 51
Mean 25.5
Std Dev 14.72

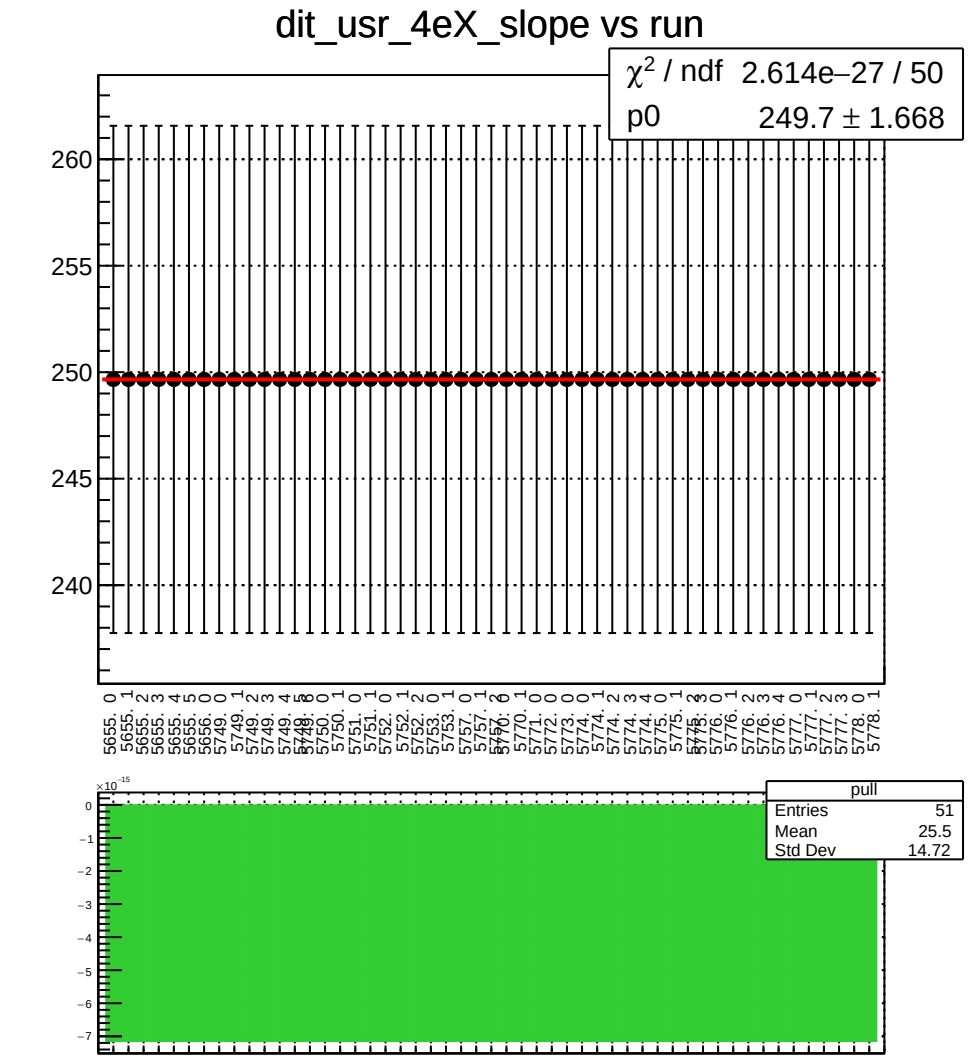

pull1D
Entries 51
Mean −4.169e−17
Std Dev 1.17e−24

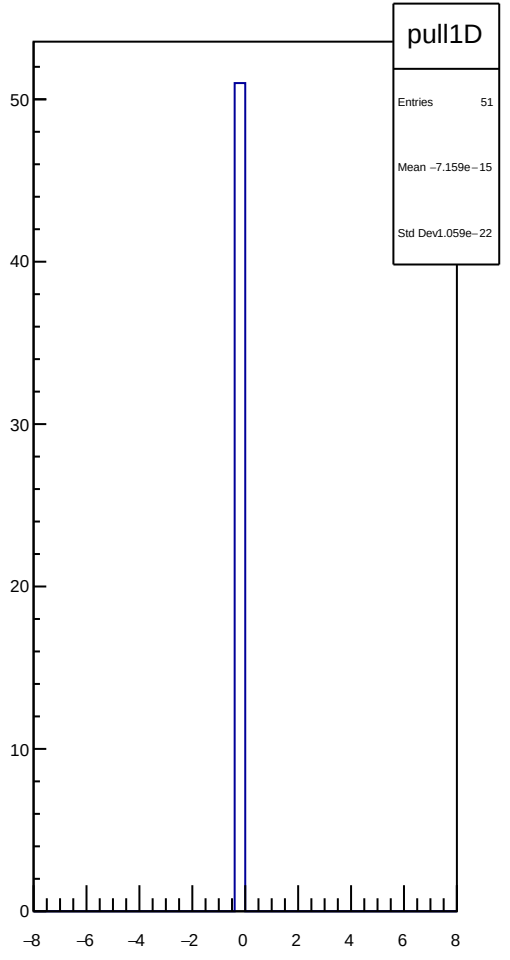

dit_usl_4eY_slope vs run
χ² / ndf 1.703e−27 / 50
p0 22.85 ± 0.6026
pull
Entries 51
Mean 25.5
Std Dev 14.72

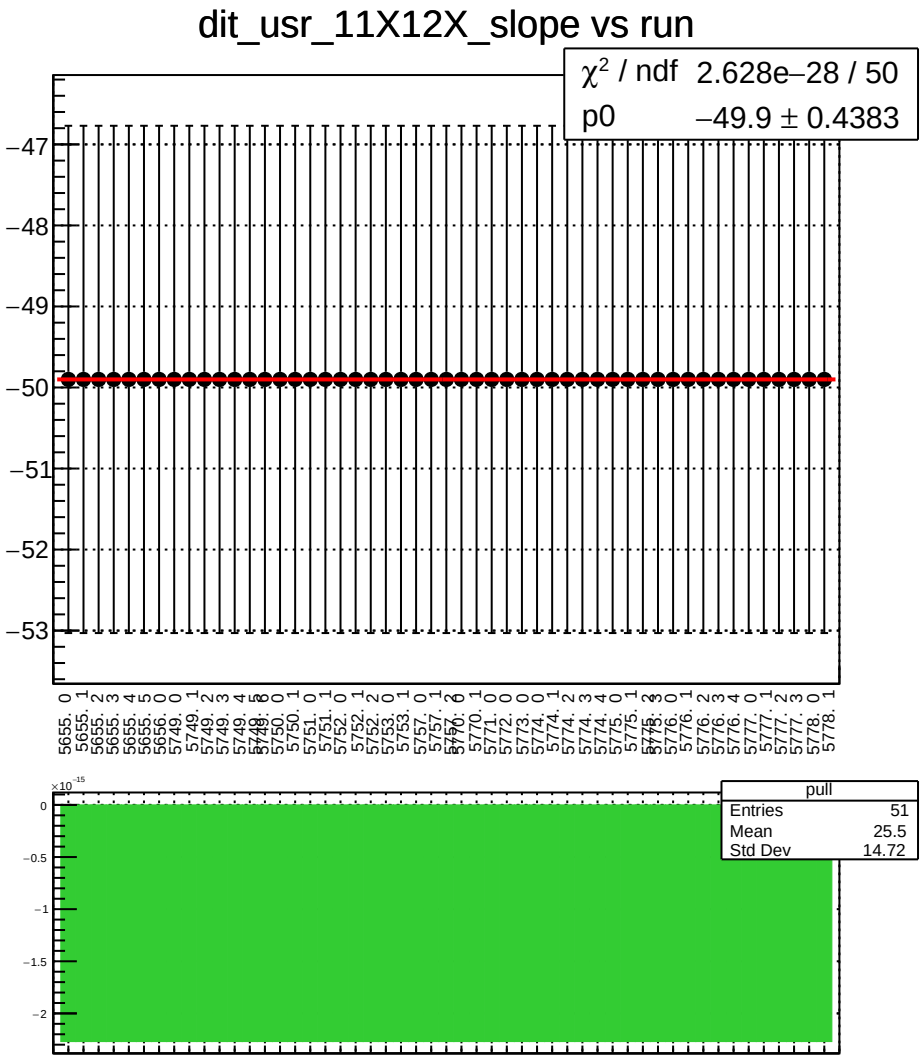

pull1D
Entries 51
Mean −5.779e−15
Std Dev 2.118e−22

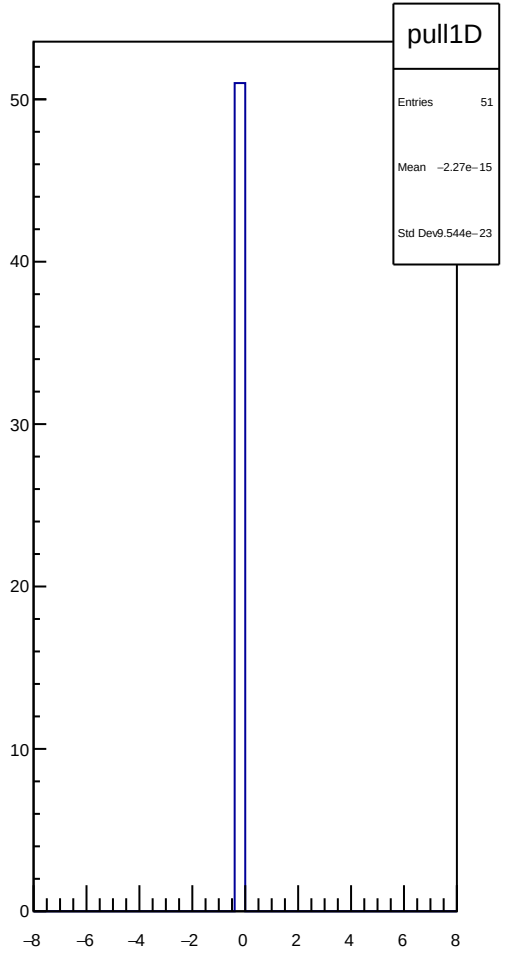

dit_usr_4aX_slope vs run
χ^2 / ndf 5.64e−26 / 50
p0 −121.4 ± 0.7181
−116
−118
−120
−122
−124
−126
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10^-15
30
25
20
15
10
5
0

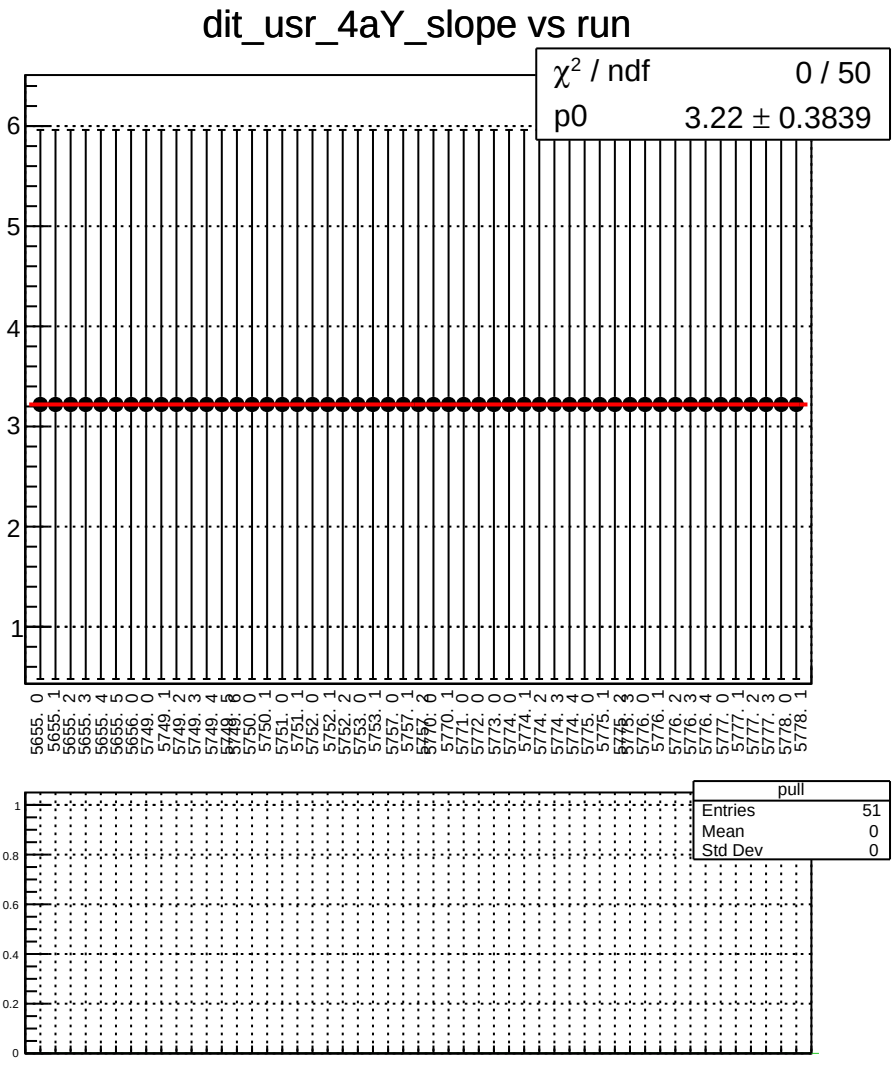

pull1D
Entries 51
Mean 3.325e−14
Std Dev1.846e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

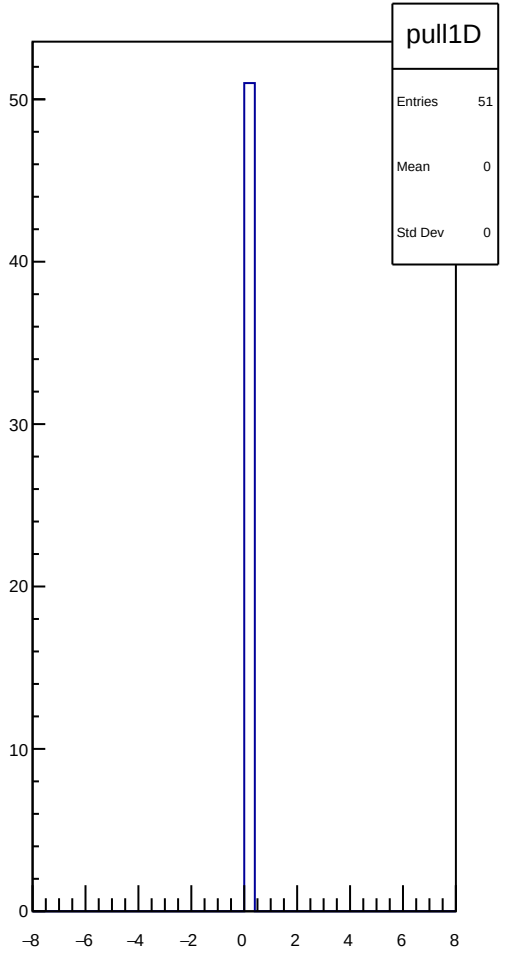

dit_usr_4eX_slope vs run
χ² / ndf 2.614e−27 / 50
p0 249.7 ± 1.668
260
255
250
245
240
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

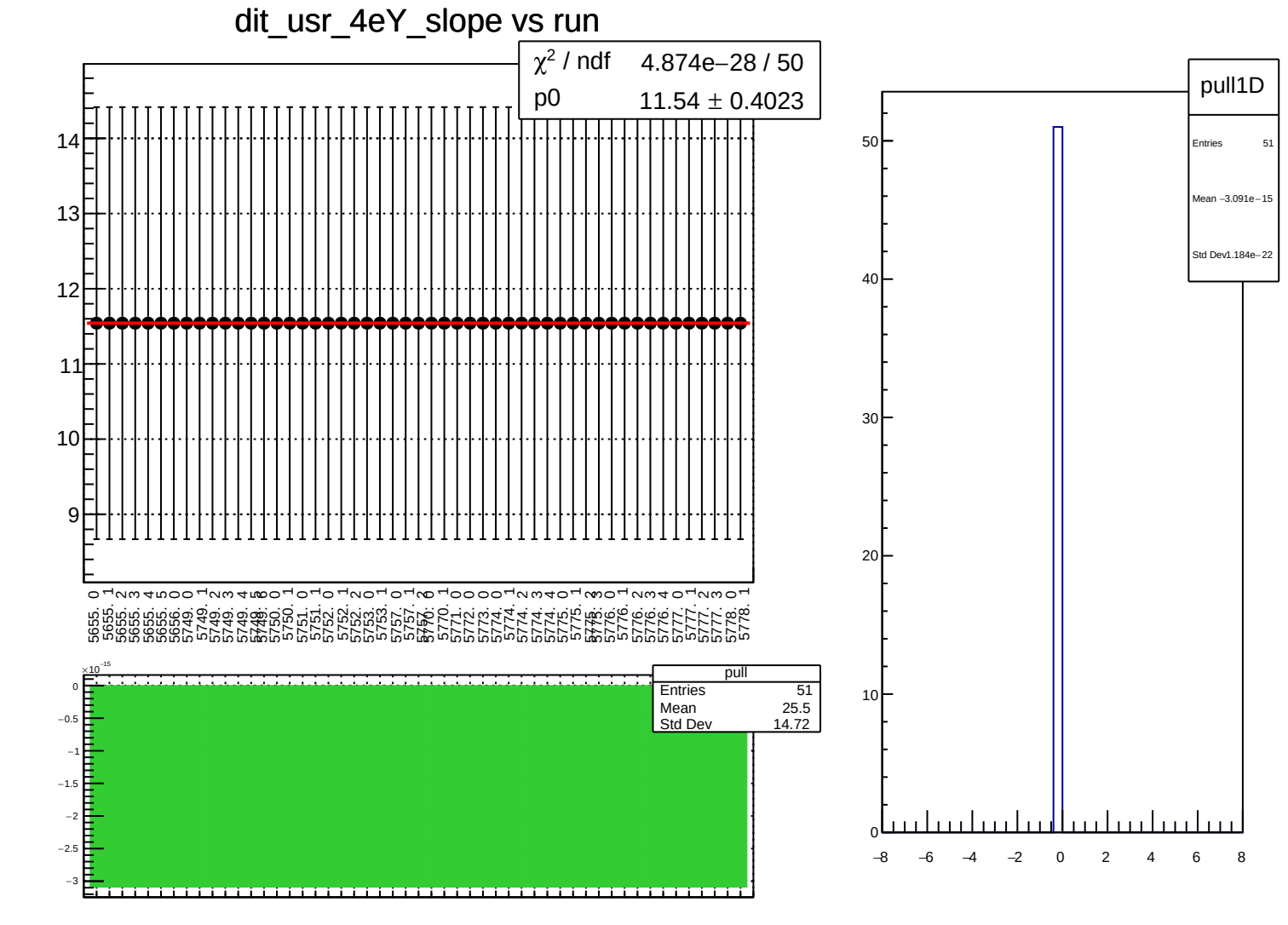

pull1D
Entries 51
Mean −7.159e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

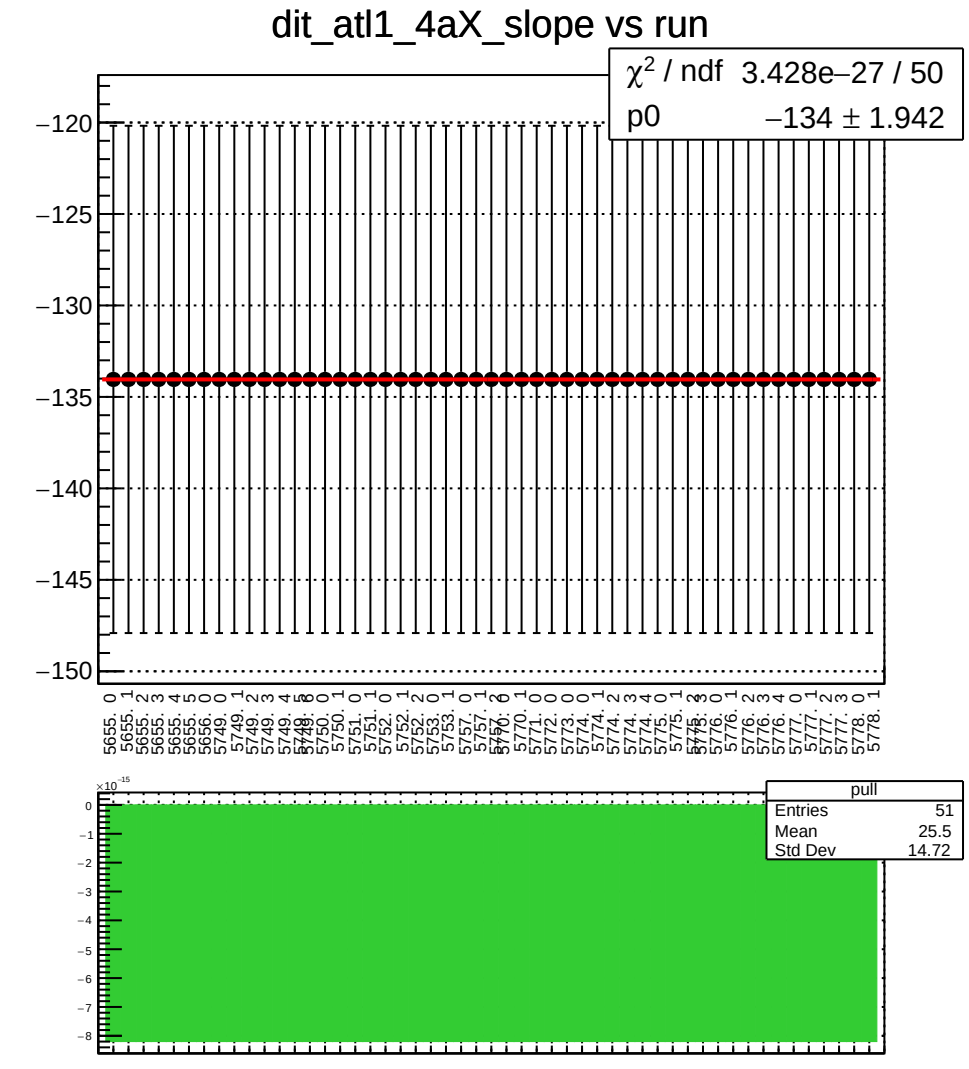

dit_usr_11X12X_slope vs run
χ² / ndf 2.628e−28 / 50
p0 −49.9 ± 0.4383
−47
−48
−49
−50
−51
−52
−53
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

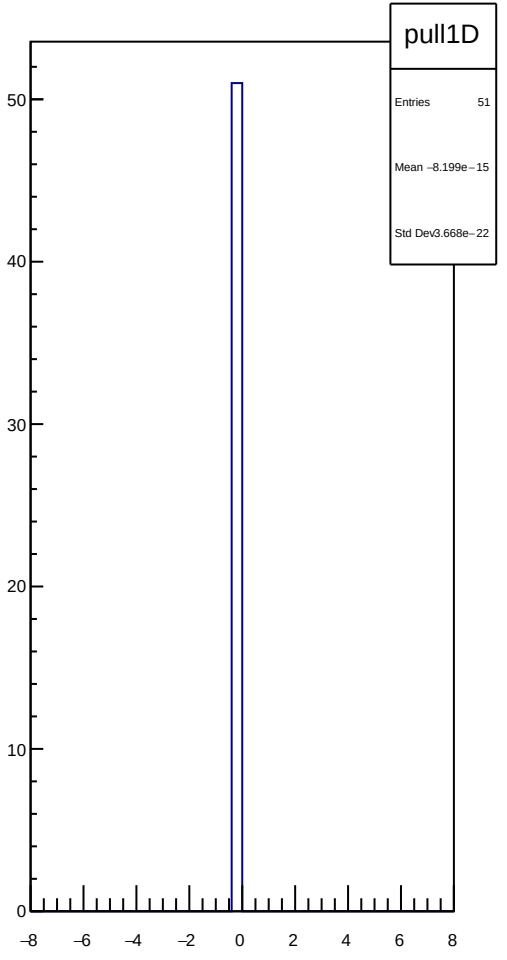

pull1D
Entries 51
Mean −2.27e−15
Std Dev 9.544e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

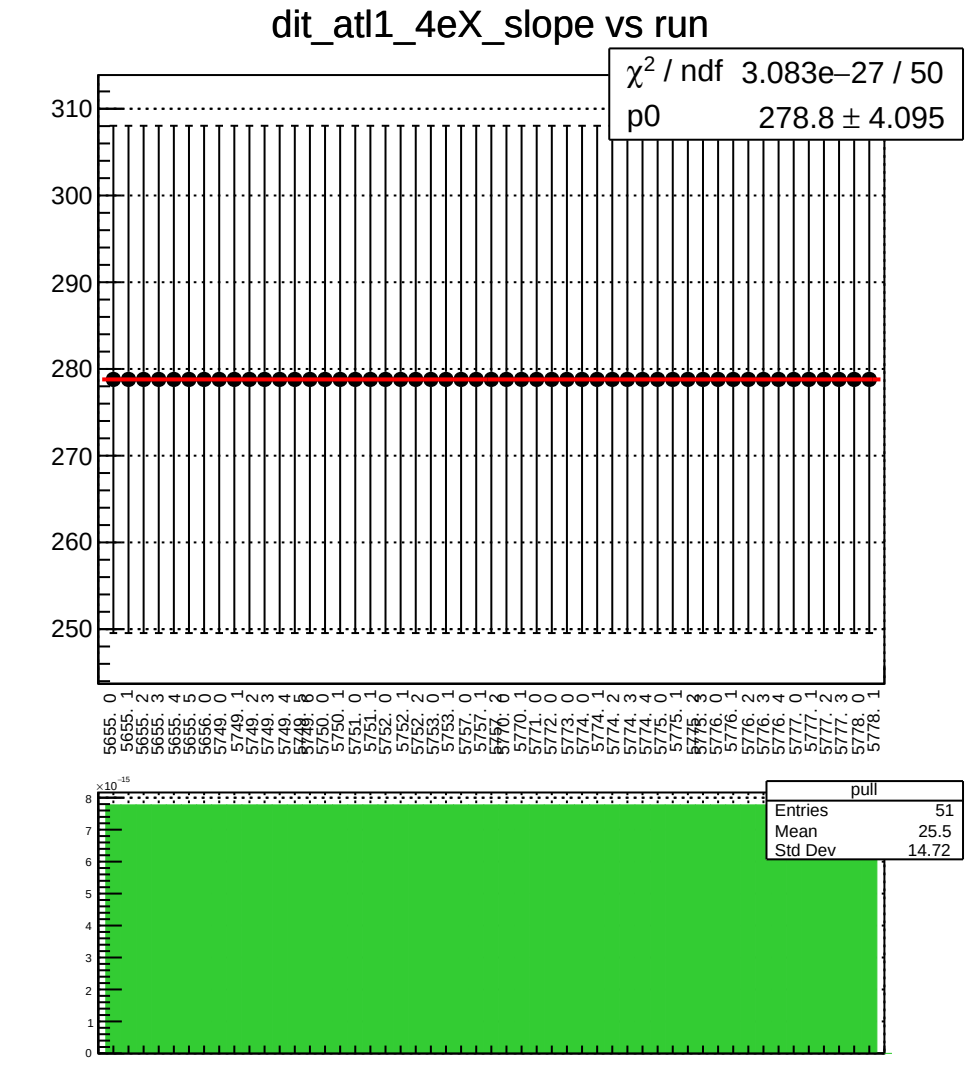

dit_usr_4aY_slope vs run
χ² / ndf 0 / 50
p0 3.22 ± 0.3839
pull
Entries 51
Mean 0
Std Dev 0

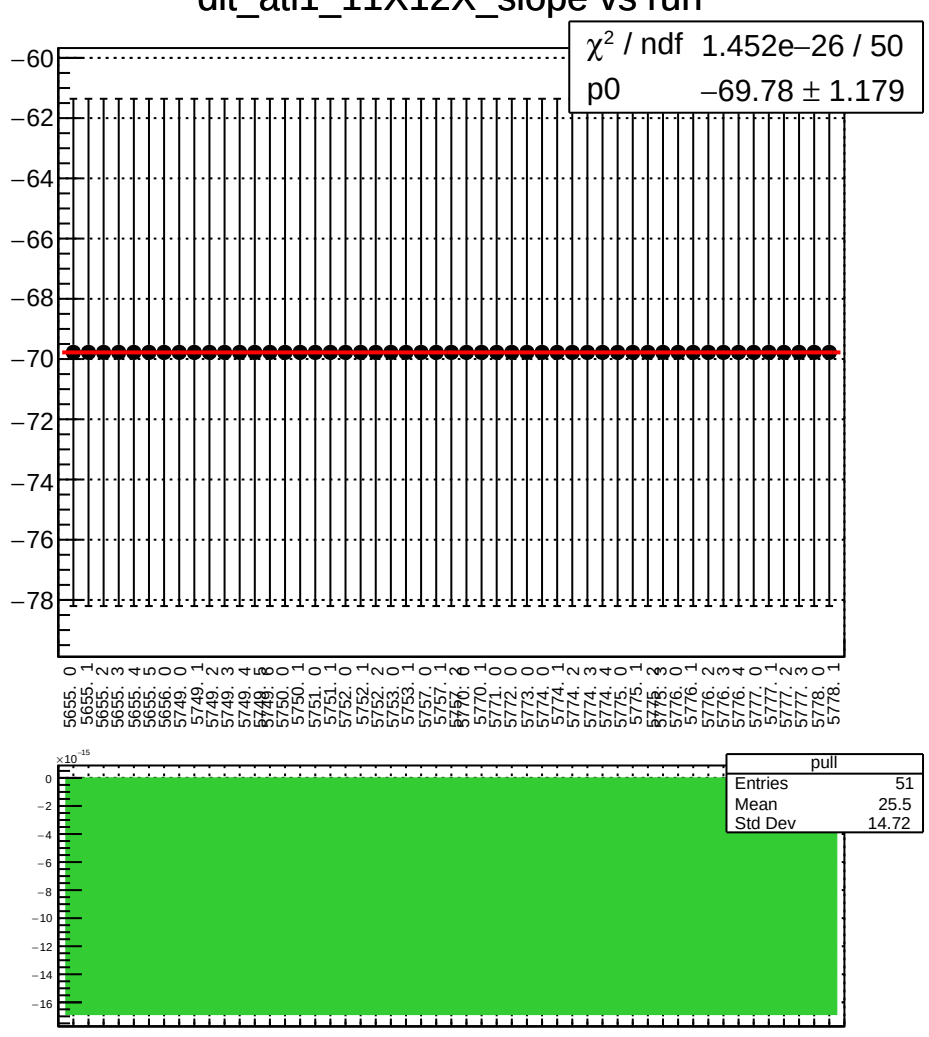

pull1D
Entries 51
Mean 0
Std Dev 0

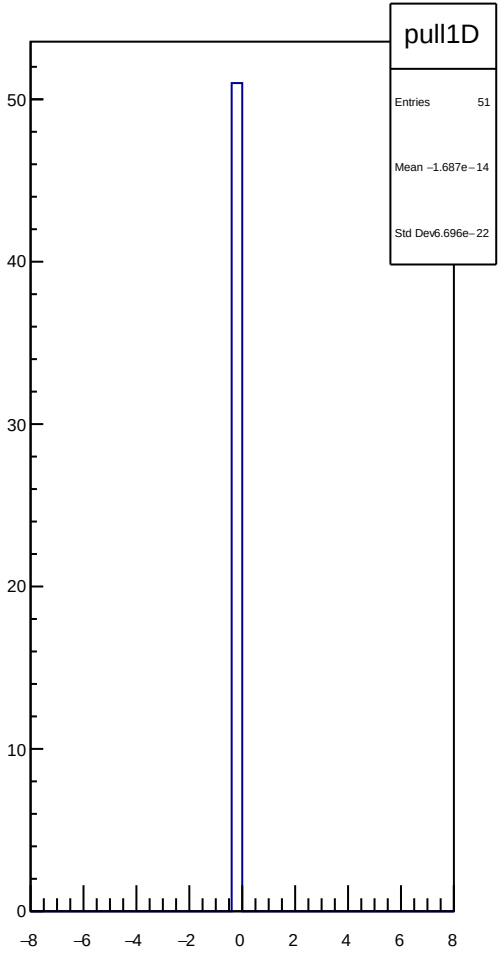

dit_usr_4eY_slope vs run
χ² / ndf 4.874e−28 / 50
p0 11.54 ± 0.4023
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −3.091e−15
Std Dev1.184e−22

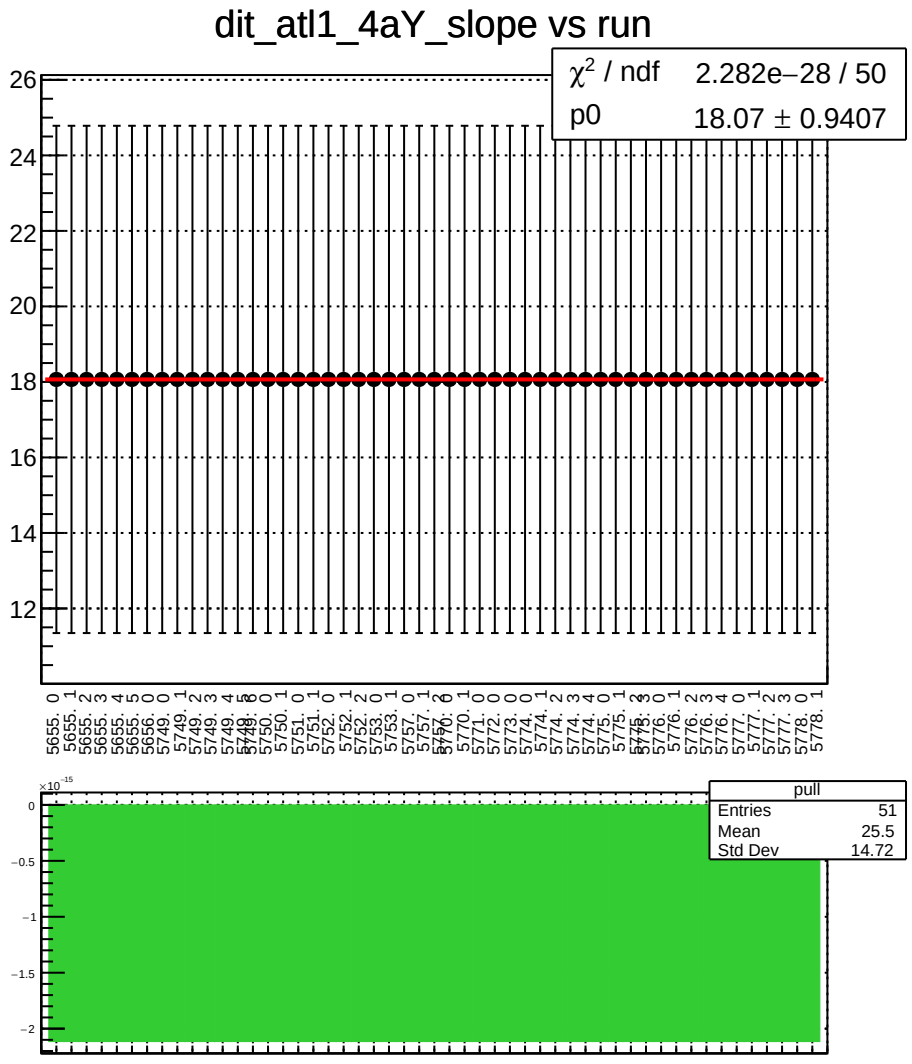

dit_atl1_4aX_slope vs run
χ^2 / ndf 3.428e−27 / 50
p0 −134 ± 1.942
−120
−125
−130
−135
−140
−145
−150
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10^-15

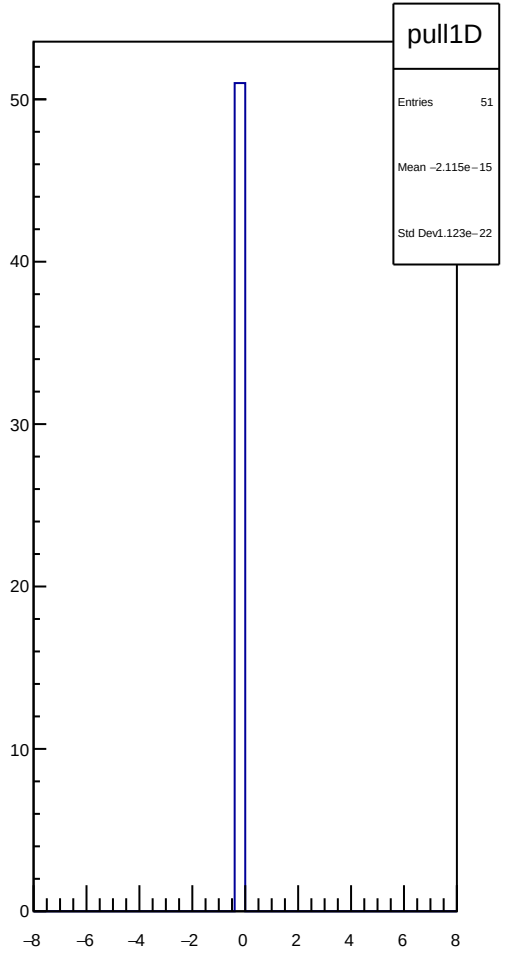

pull1D
Entries 51
Mean −8.199e−15
Std Dev3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

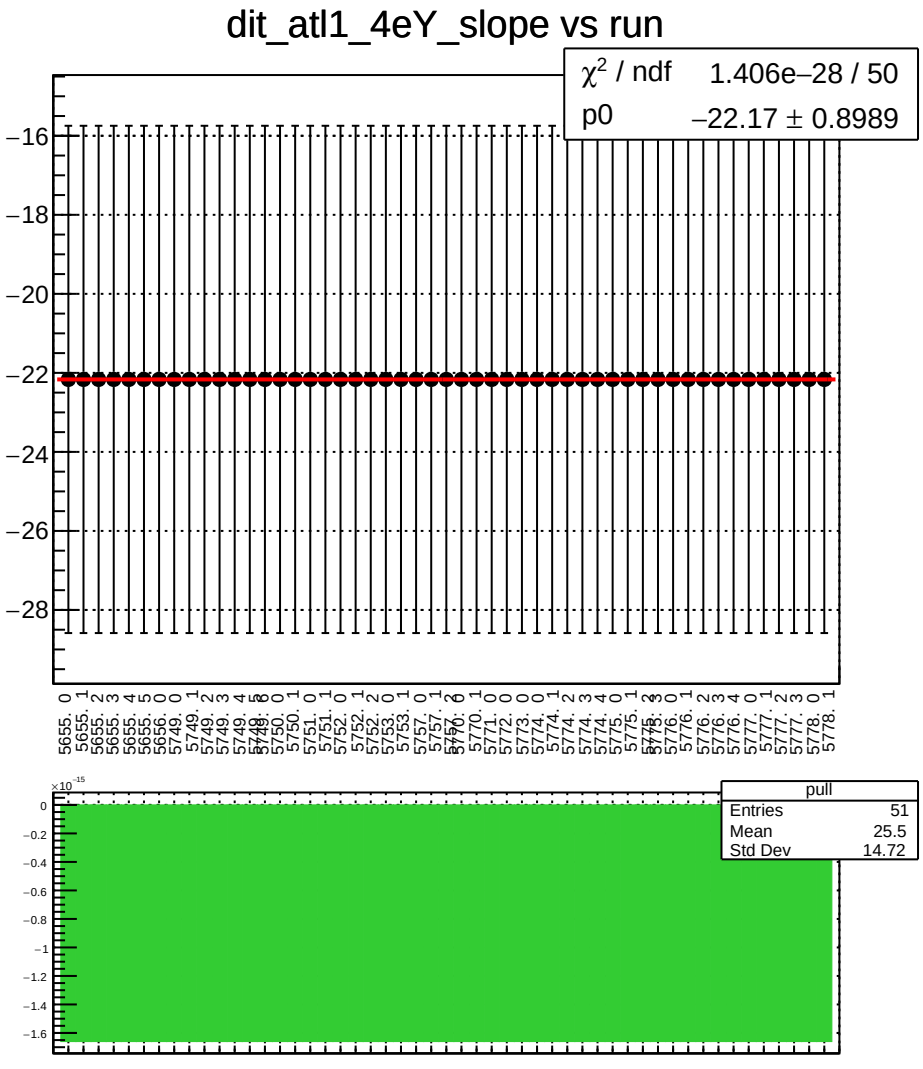

dit_atl1_4eX_slope vs run
χ² / ndf 3.083e−27 / 50
p0 278.8 ± 4.095
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 7.775e−15
Std Dev 3.512e−22

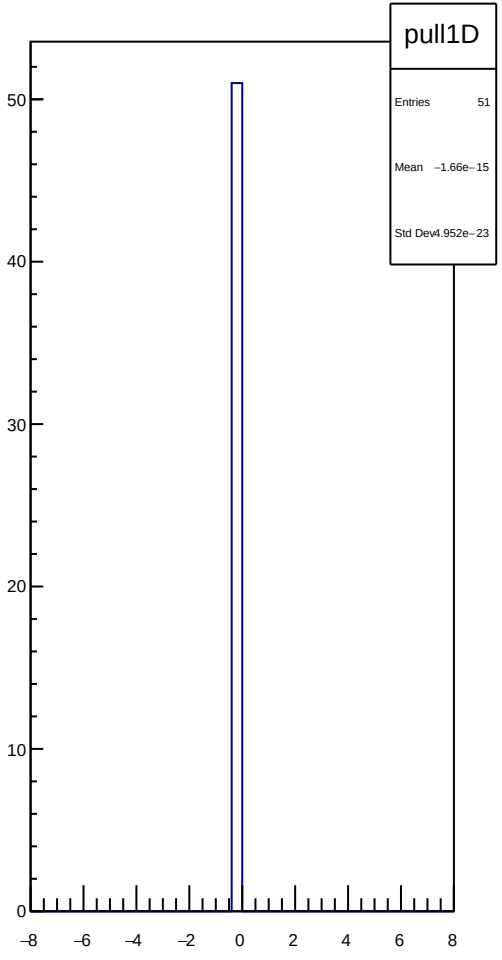

dit_atl1_11X12X_slope vs run
χ² / ndf 1.452e−26 / 50
p0 −69.78 ± 1.179
pull
Entries 51
Mean 25.5
Std Dev 14.72

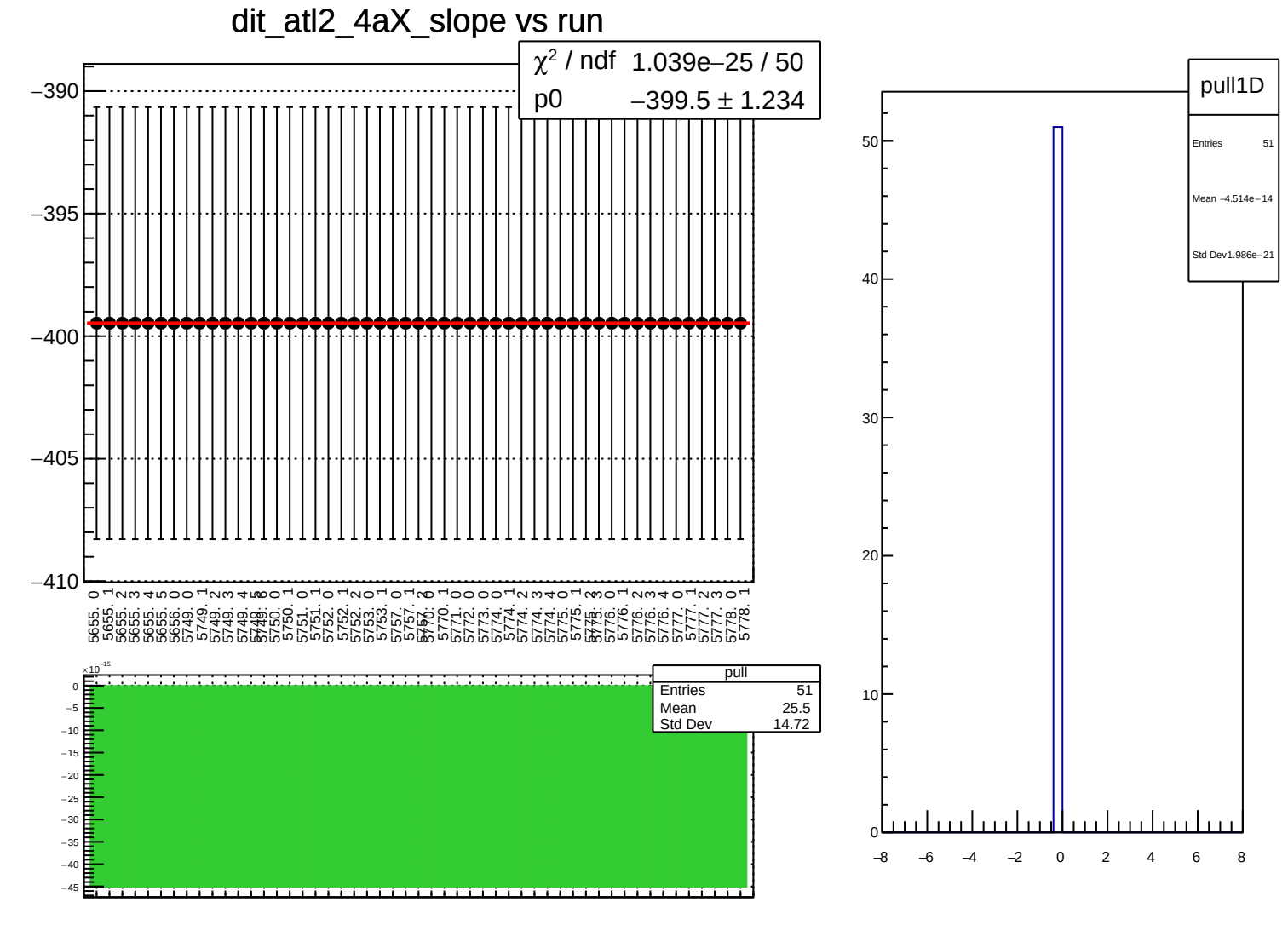

pull1D
Entries 51
Mean −1.687e−14
Std Dev 6.696e−22

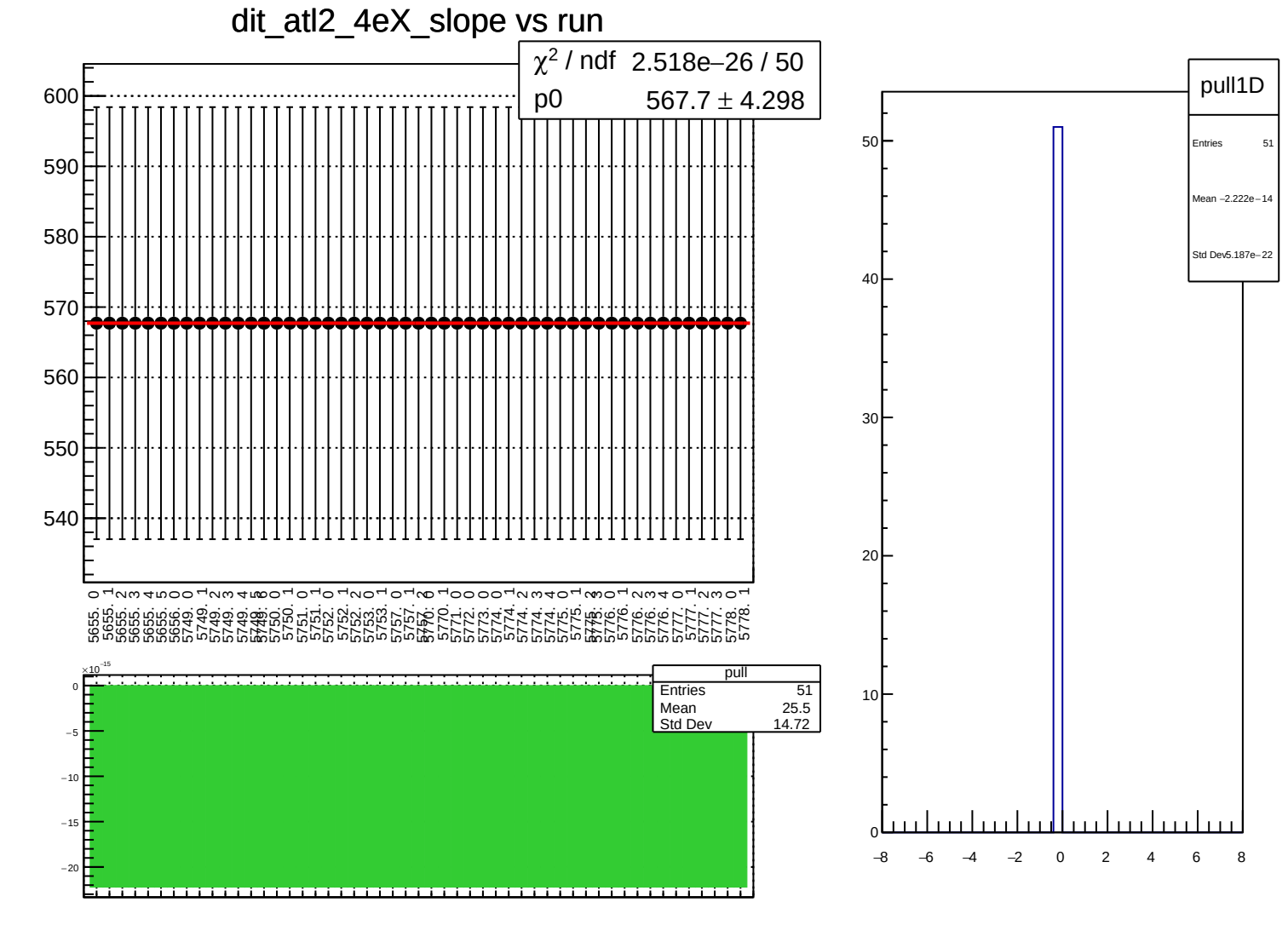

dit_atl1_4aY_slope vs run
χ² / ndf 2.282e−28 / 50
p0 18.07 ± 0.9407
pull
Entries 51
Mean 25.5
Std Dev 14.72

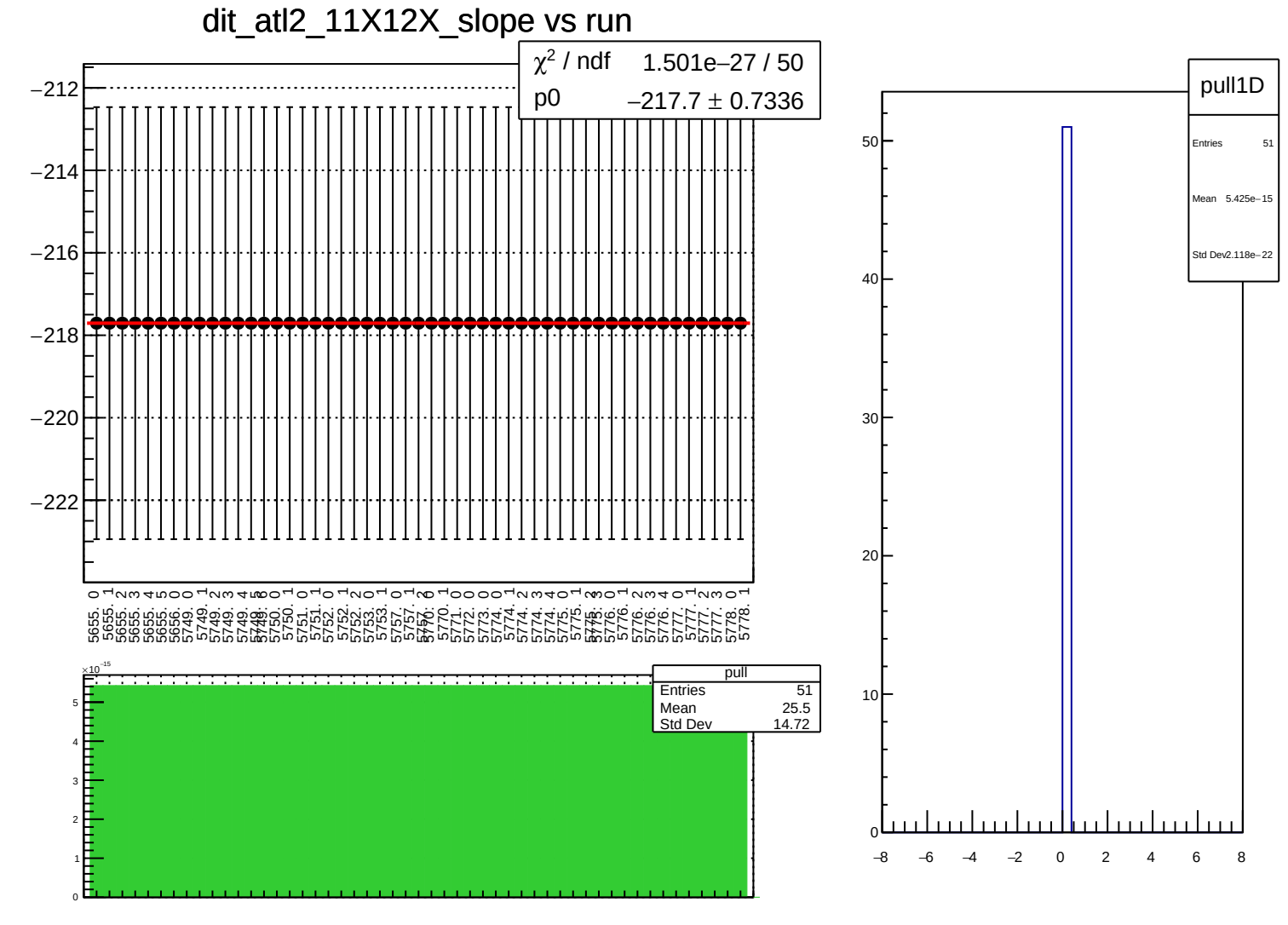

pull1D
Entries 51
Mean −2.115e−15
Std Dev1.123e−22

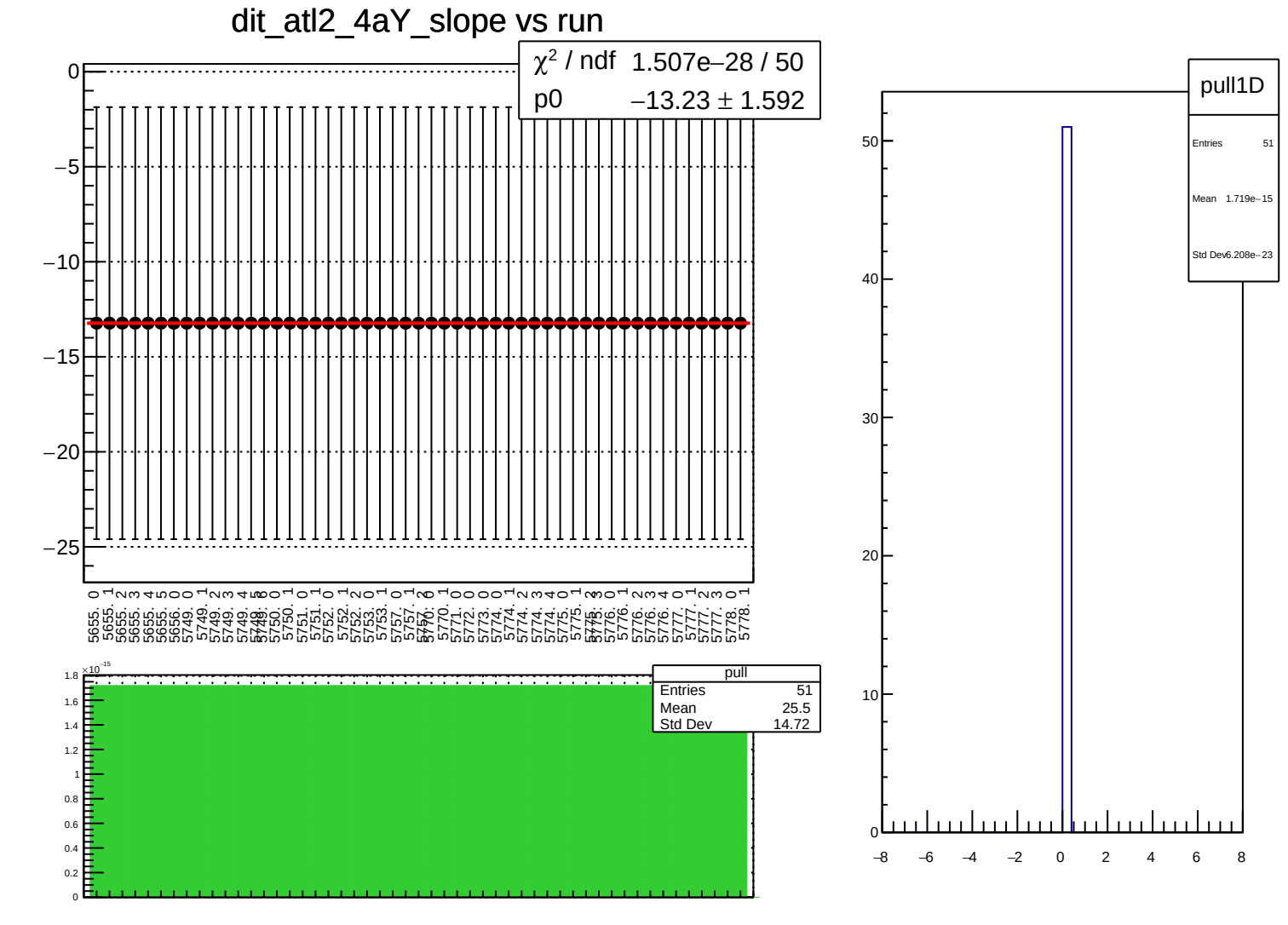

dit_atl1_4eY_slope vs run
χ² / ndf 1.406e−28 / 50
p0 −22.17 ± 0.8989
pull
Entries 51
Mean 25.5
Std Dev 14.72

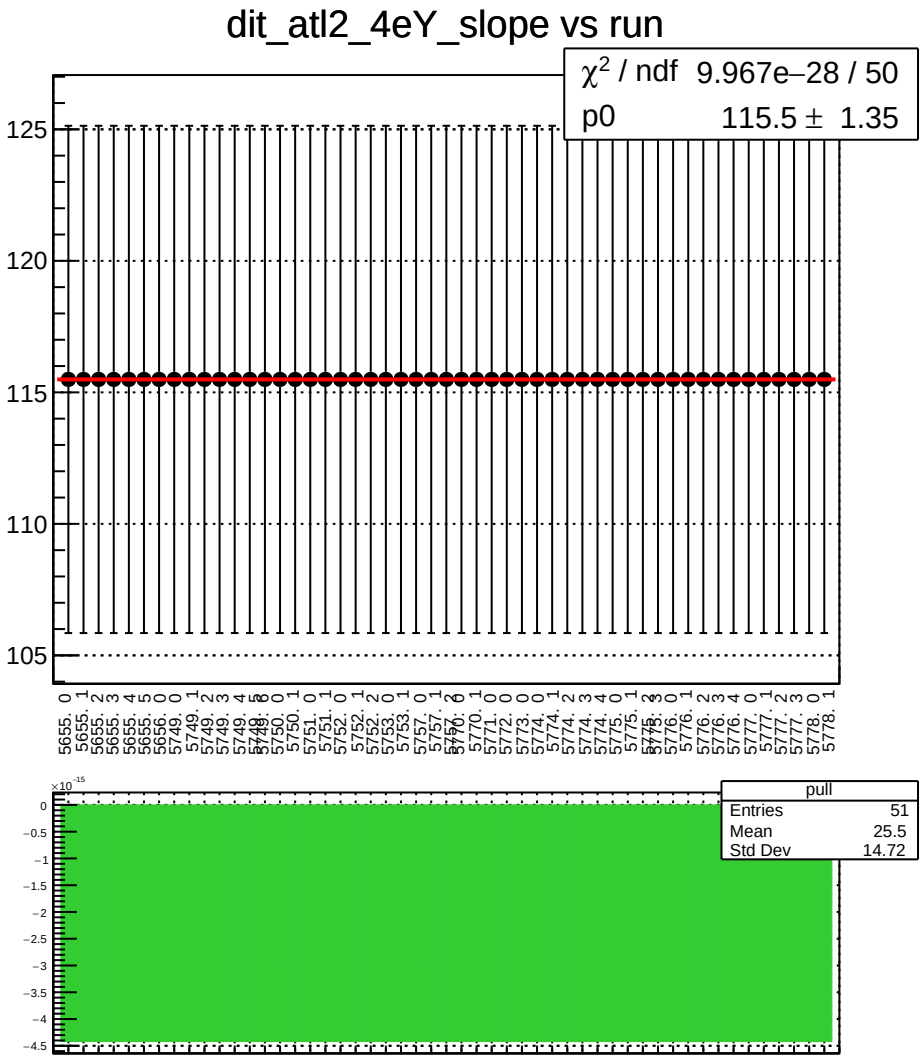

pull1D
Entries 51
Mean −1.66e−15
Std Dev 4.952e−23

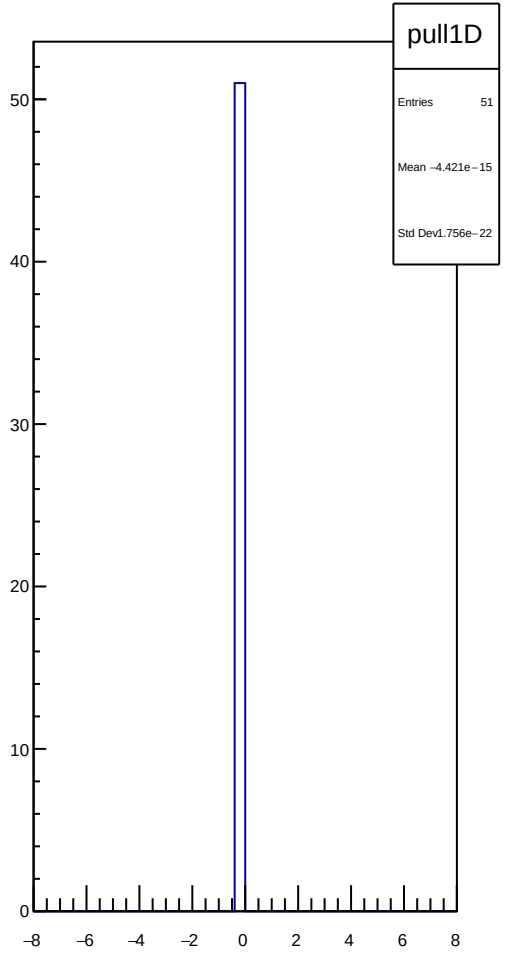

dit_atl2_4aX_slope vs run
χ² / ndf 1.039e−25 / 50
p0 −399.5 ± 1.234
−390
−395
−400
−405
−410
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −4.514e−14
Std Dev1.986e−21

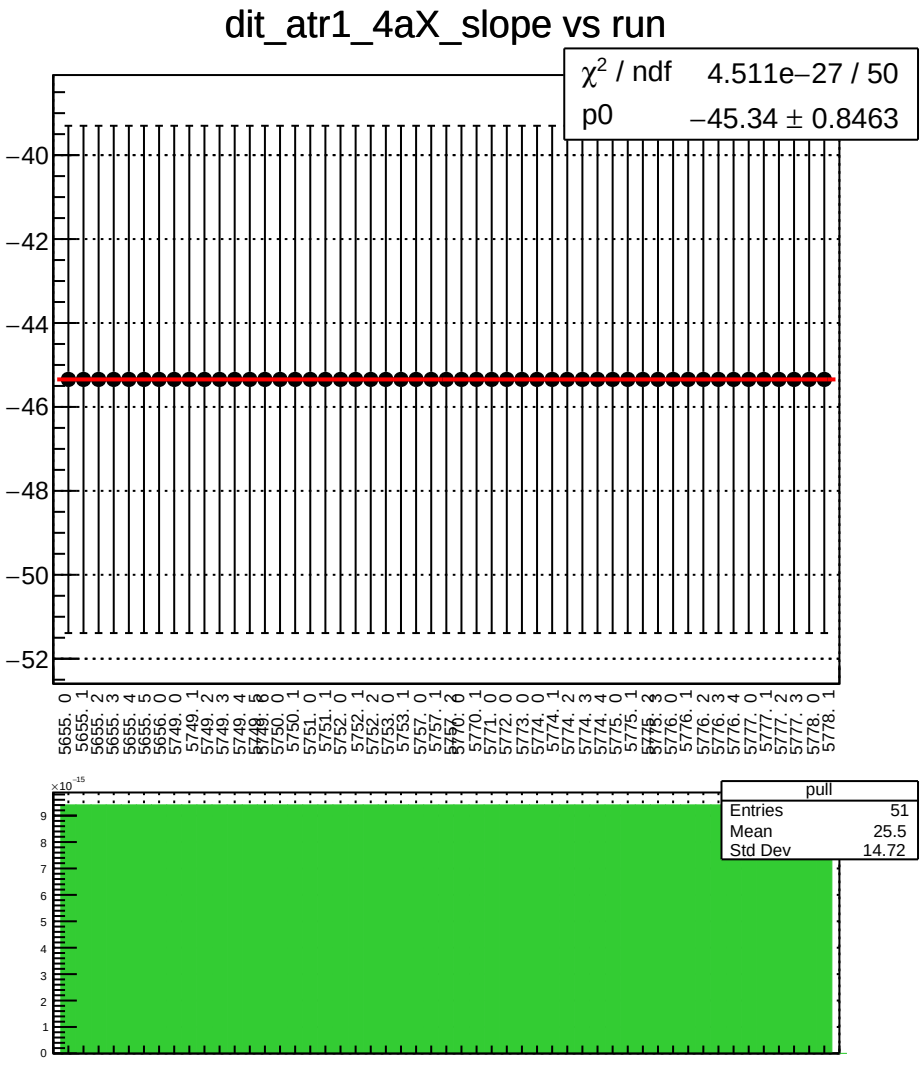

dit_atl2_4eX_slope vs run
χ² / ndf 2.518e−26 / 50
p0 567.7 ± 4.298
600
590
580
570
560
550
540
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −2.222e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

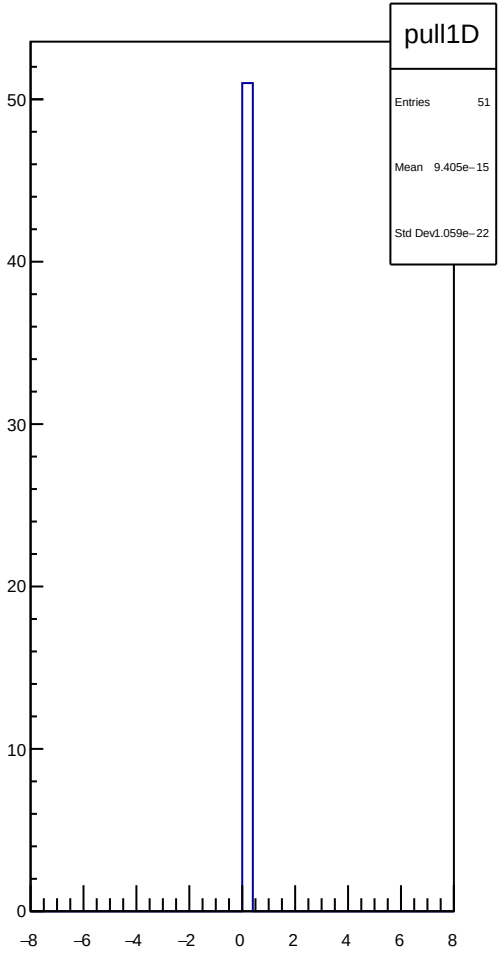

dit_atl2_11X12X_slope vs run
χ² / ndf 1.501e−27 / 50
p0 −217.7 ± 0.7336
−212
−214
−216
−218
−220
−222
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 5.425e−15
Std Dev 2.118e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

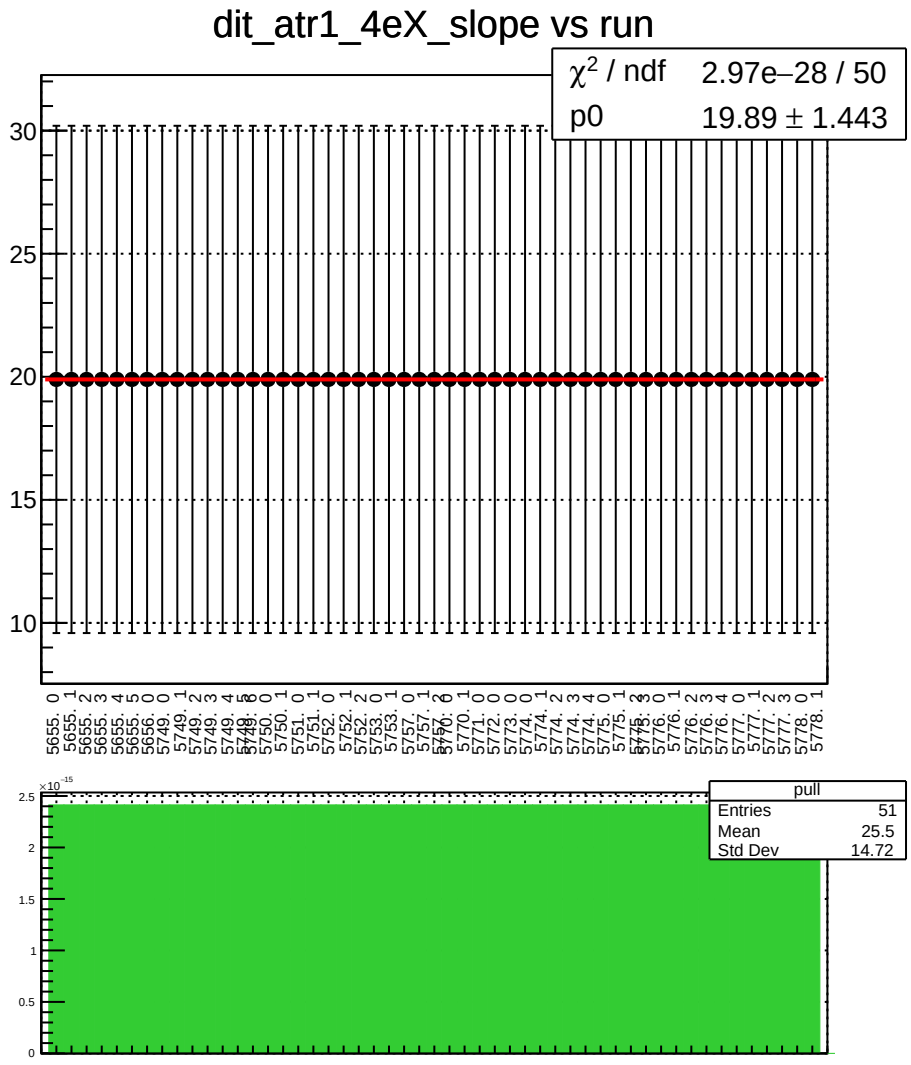

dit_atl2_4aY_slope vs run
χ² / ndf 1.507e−28 / 50
p0 −13.23 ± 1.592
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 1.719e−15
Std Dev 6.208e−23

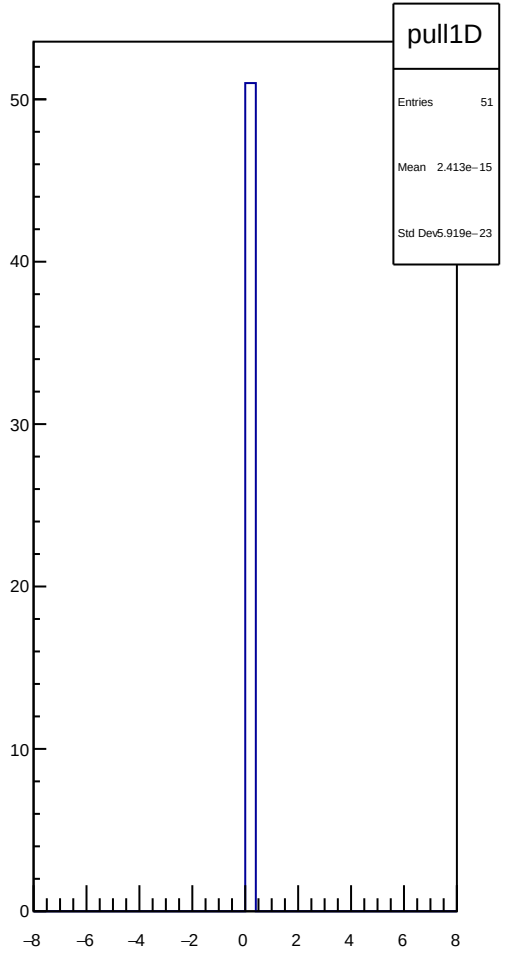

dit_atl2_4eY_slope vs run
χ² / ndf 9.967e−28 / 50
p0 115.5 ± 1.35
125
120
115
110
105
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5

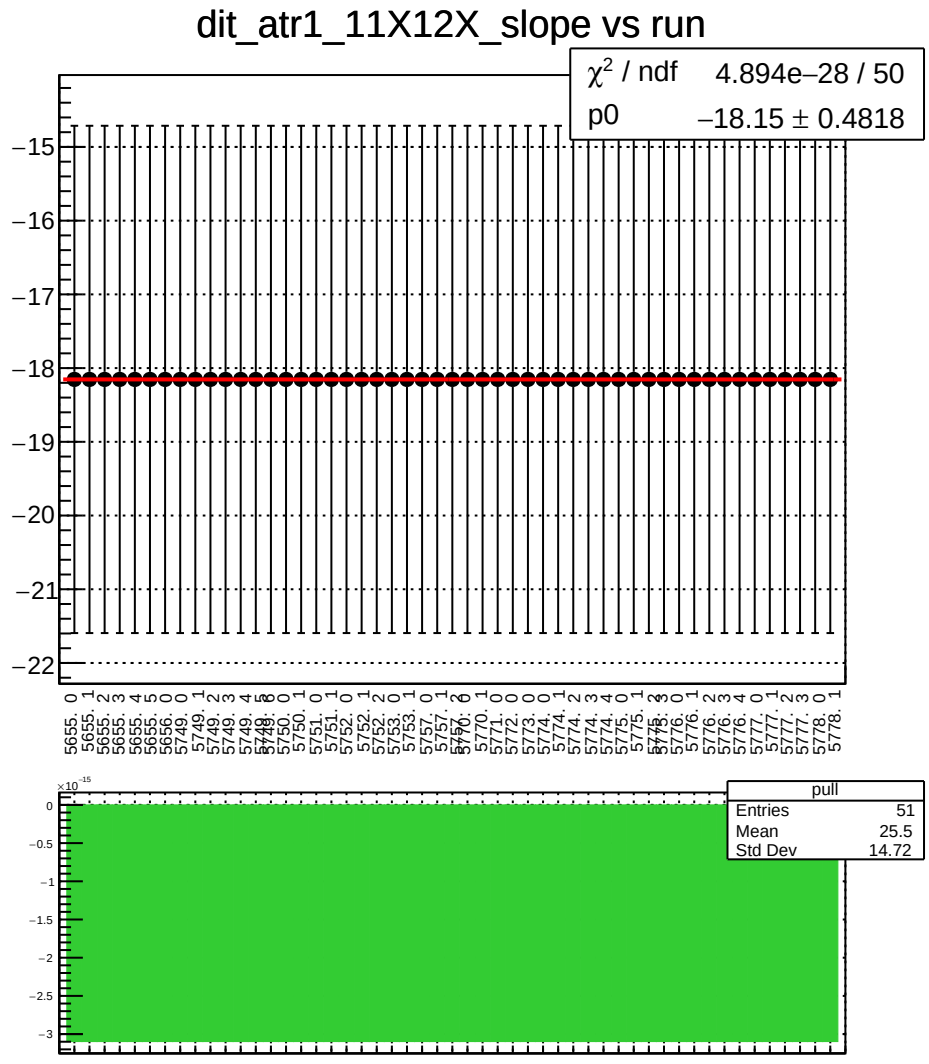

pull1D
Entries 51
Mean −4.421e−15
Std Dev 1.756e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

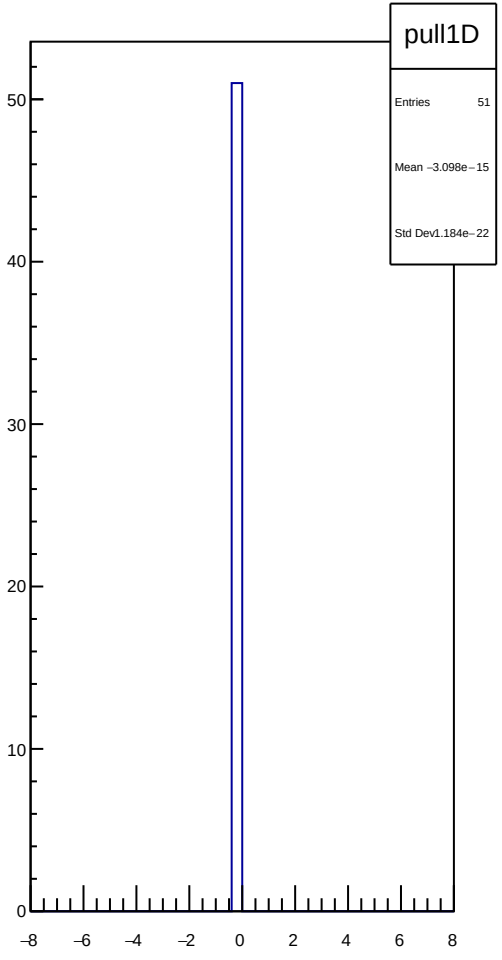

dit_atr1_4aX_slope vs run
χ² / ndf 4.511e−27 / 50
p0 −45.34 ± 0.8463
−40
−42
−44
−46
−48
−50
−52
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

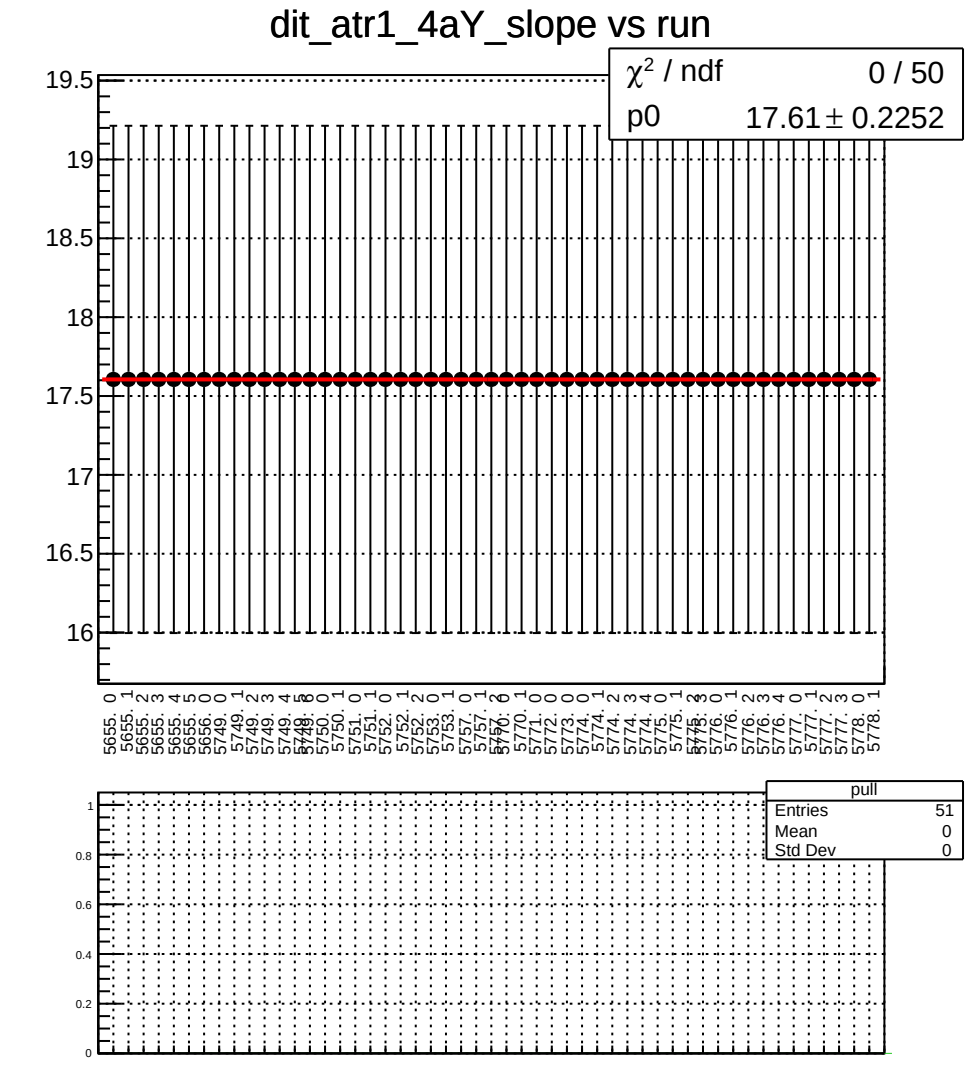

pull1D
Entries 51
Mean 9.405e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

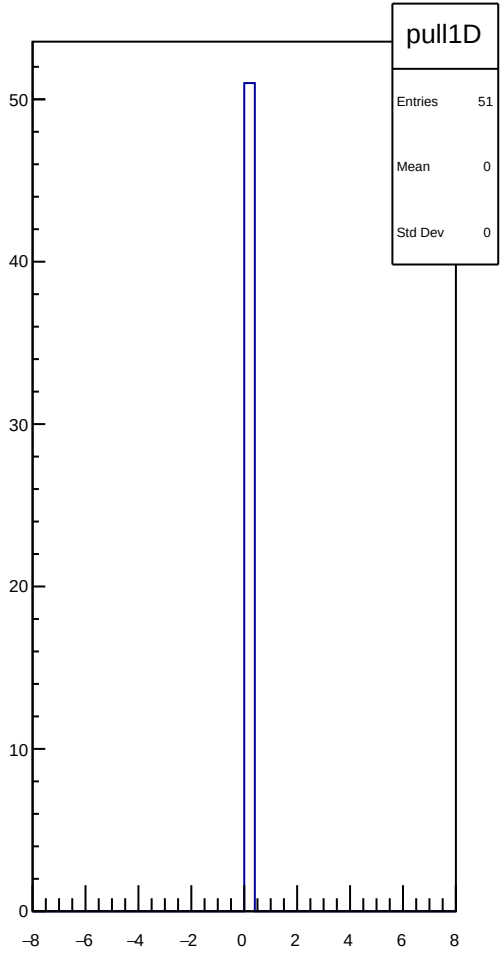

dit_atr1_4eX_slope vs run
χ² / ndf 2.97e−28 / 50
p0 19.89 ± 1.443
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

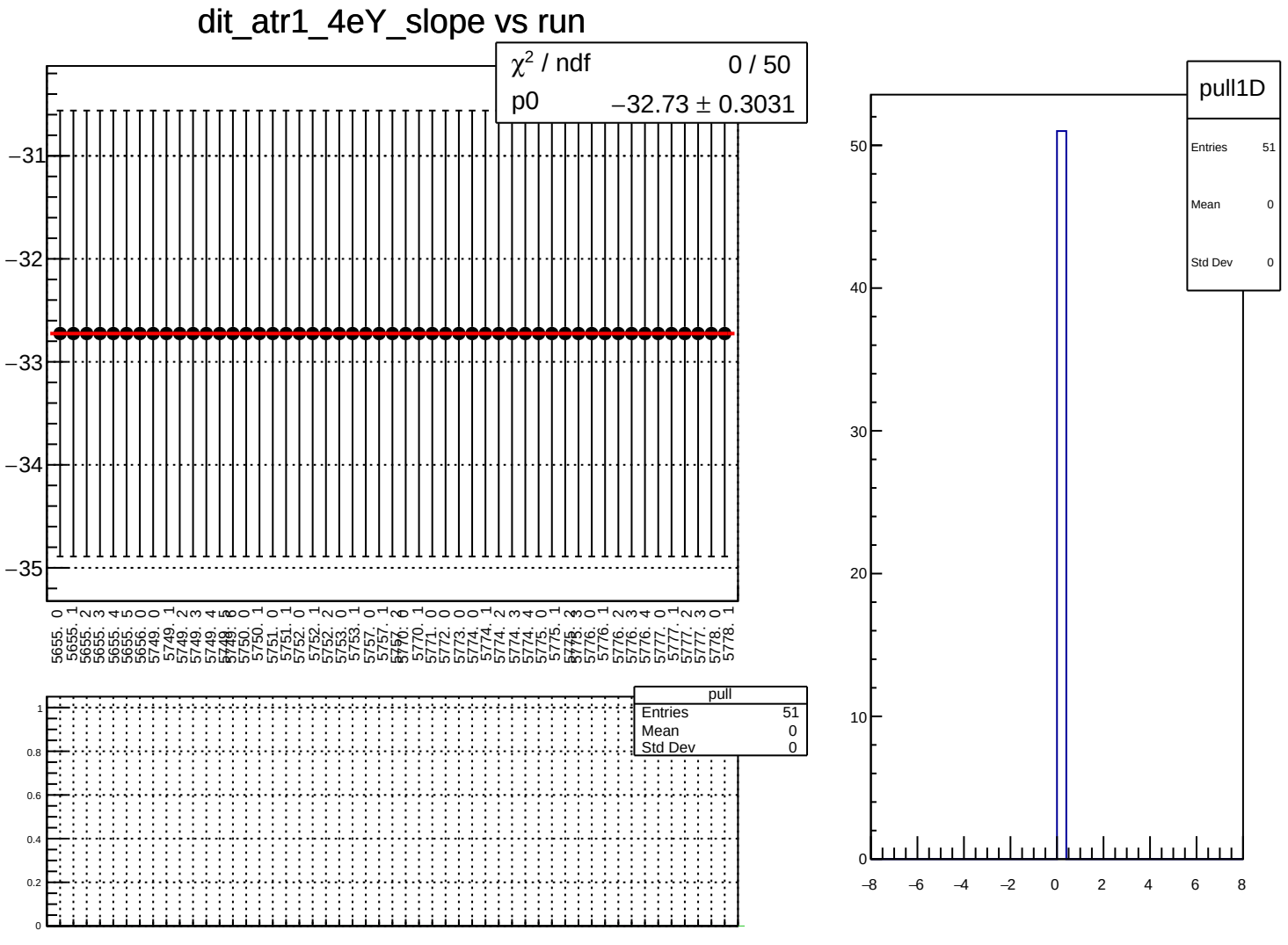

pull1D
Entries 51
Mean 2.413e−15
Std Dev 5.919e−23

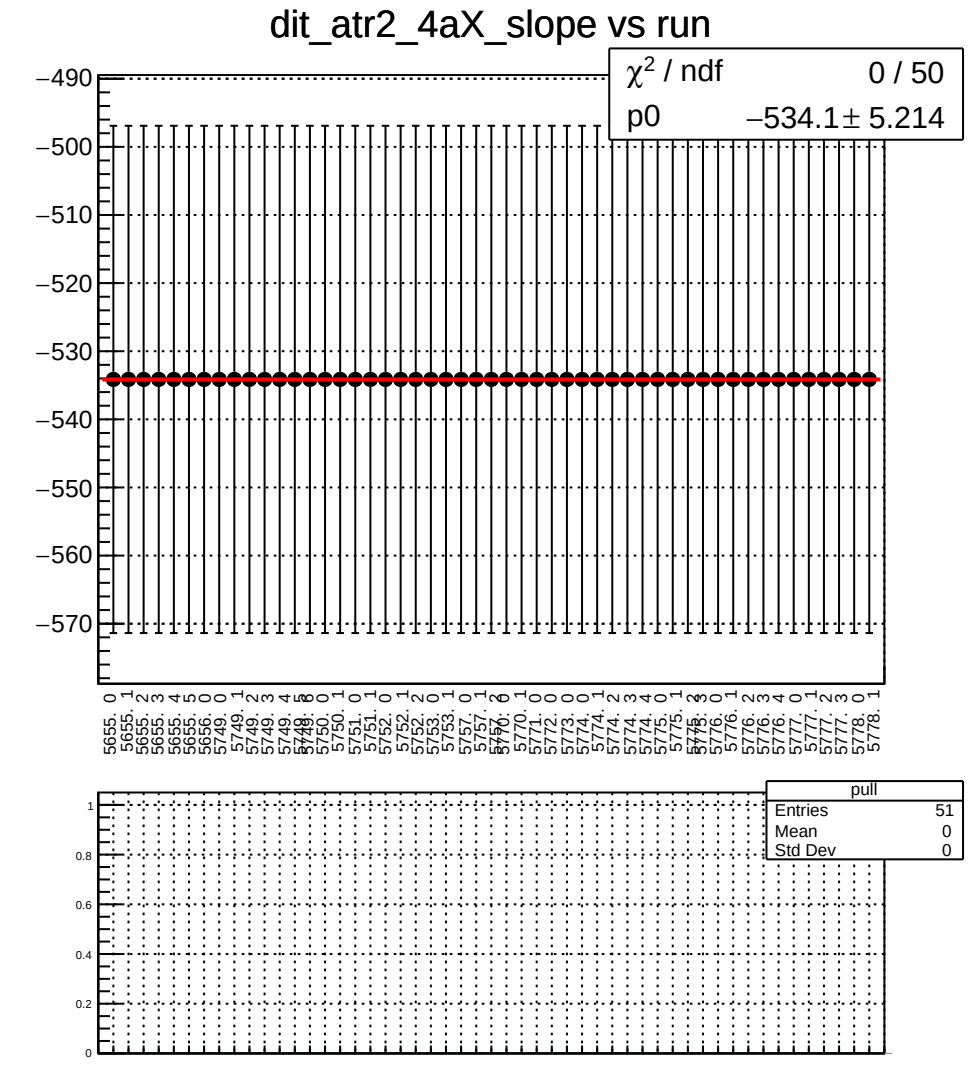

dit_atr1_11X12X_slope vs run
χ² / ndf 4.894e−28 / 50
p0 −18.15 ± 0.4818
pull
Entries 51
Mean 25.5
Std Dev 14.72

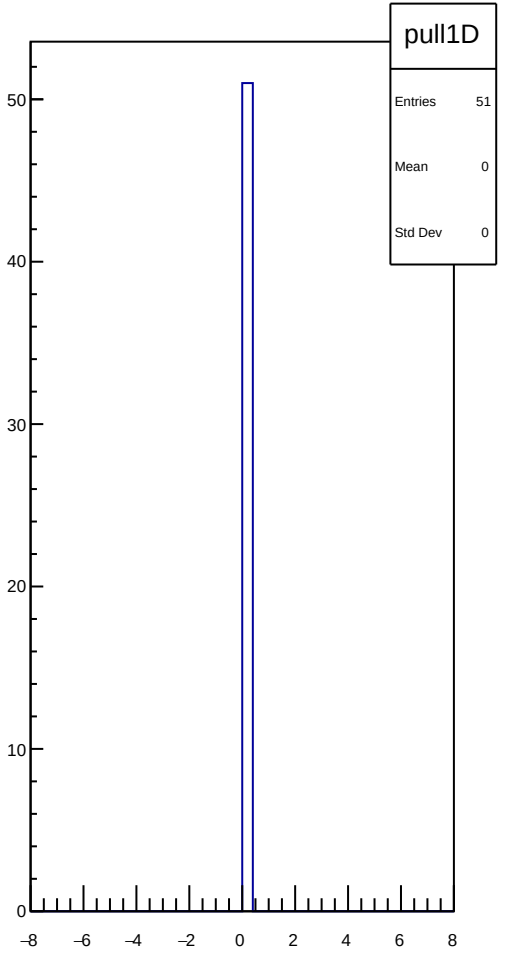

pull1D
Entries 51
Mean −3.098e−15
Std Dev1.184e−22

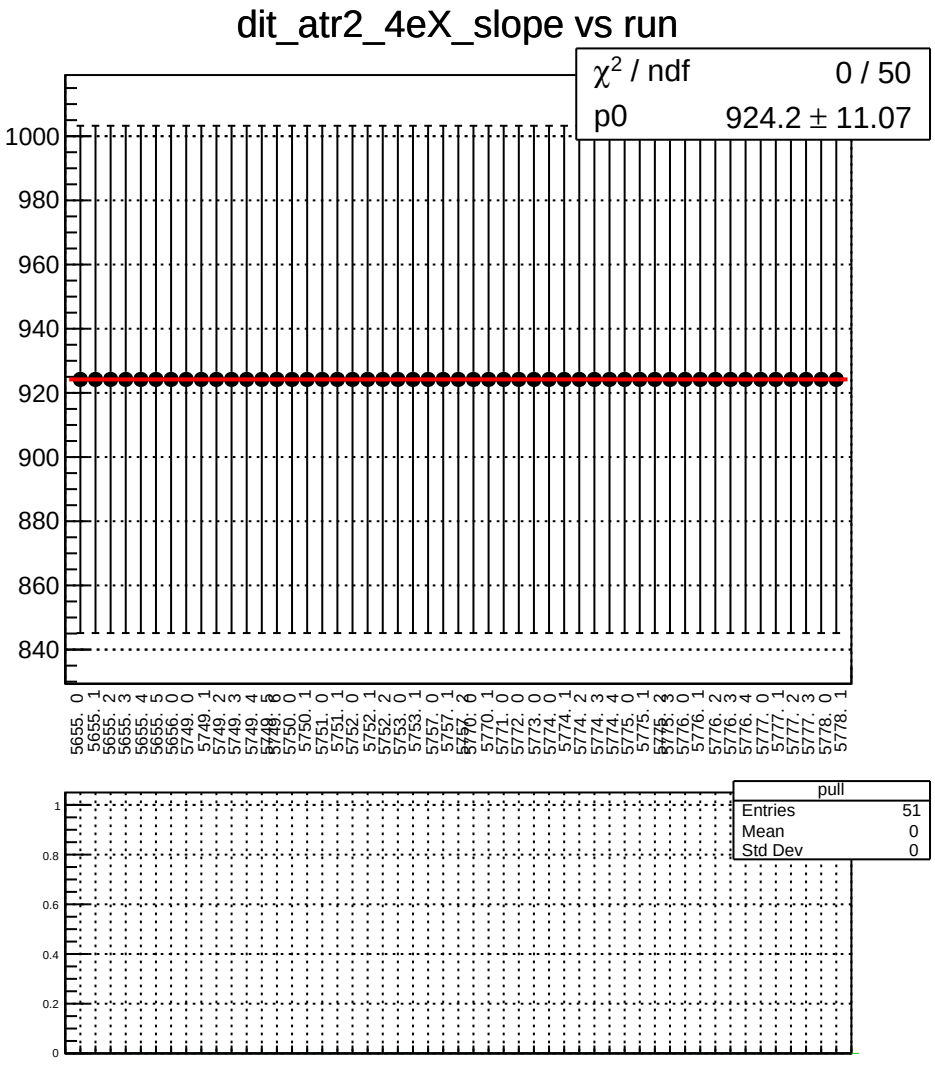

dit_atr1_4aY_slope vs run
χ^2 / ndf 0 / 50
p0 17.61 ± 0.2252
19.5
19
18.5
18
17.5
17
16.5
16
pull
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

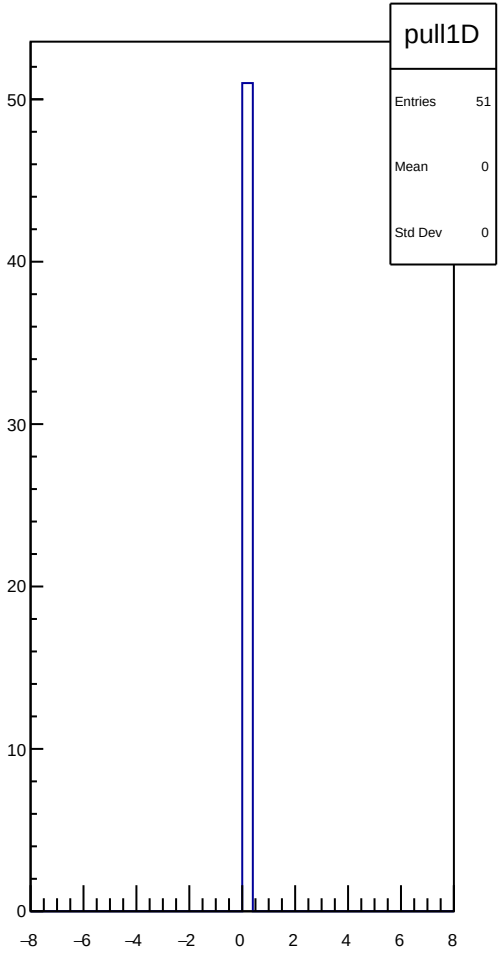

pull1D
Entries 51
Mean 0
Std Dev 0
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

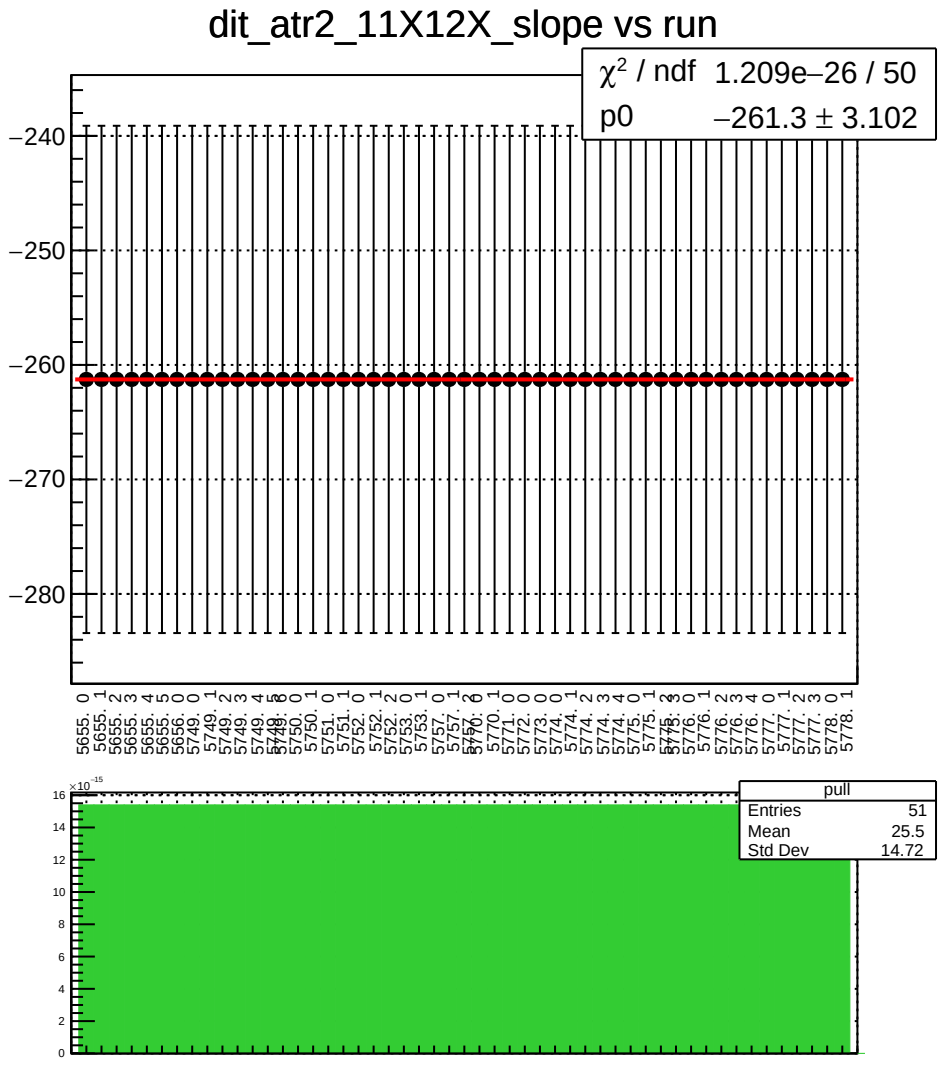

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 50
p0 −32.73 ± 0.3031
pull
Entries 51
Mean 0
Std Dev 0
pull1D
Entries 51
Mean 0
Std Dev 0

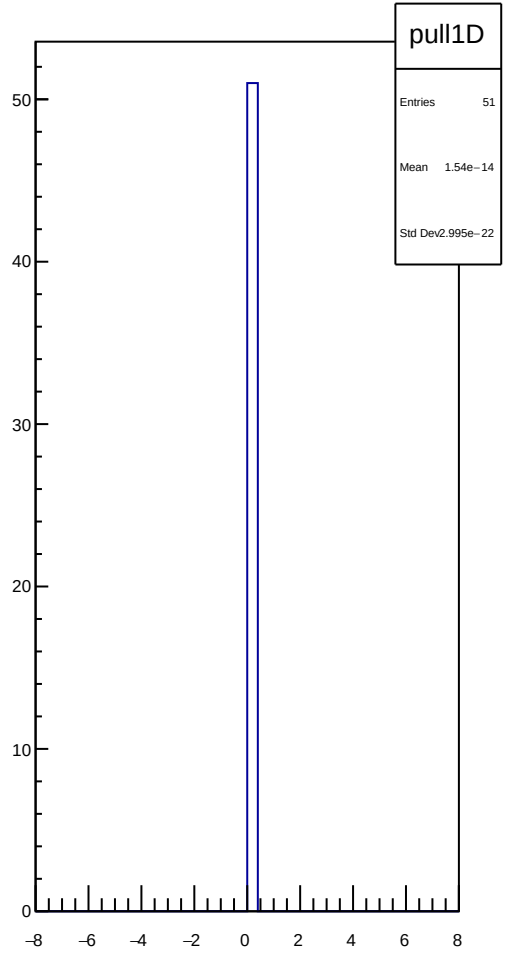

dit_atr2_4aX_slope vs run
χ² / ndf 0 / 50
p0 −534.1 ± 5.214
pull
Entries 51
Mean 0
Std Dev 0

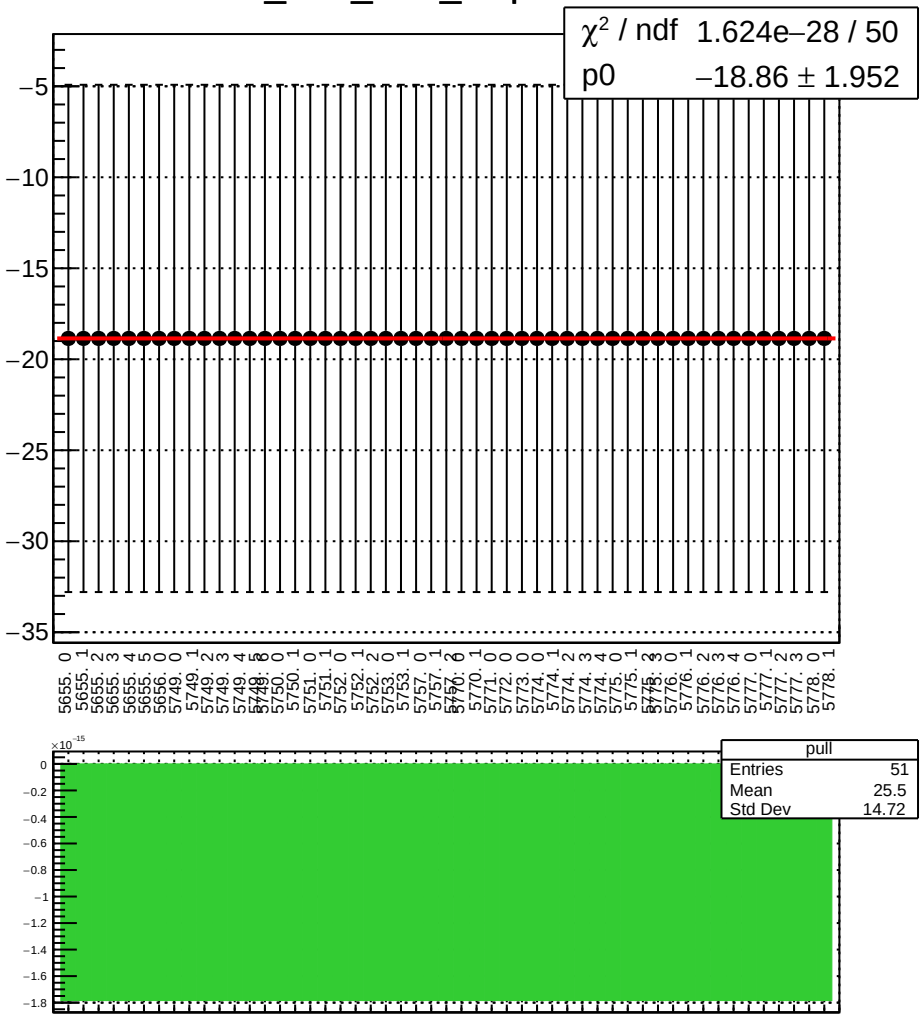

pull1D
Entries 51
Mean 0
Std Dev 0

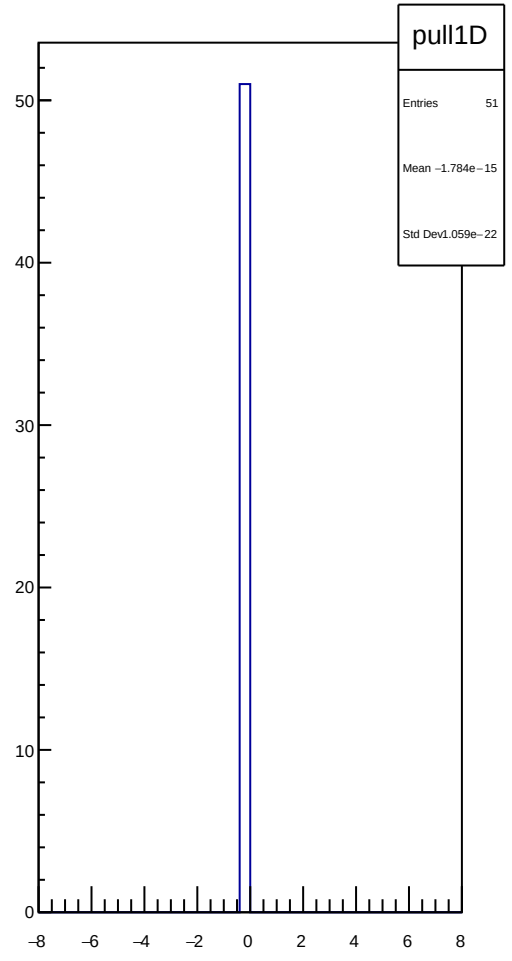

dit_atr2_4eX_slope vs run
χ^2 / ndf 0 / 50
p0 924.2 ± 11.07
pull
Entries 51
Mean 0
Std Dev 0

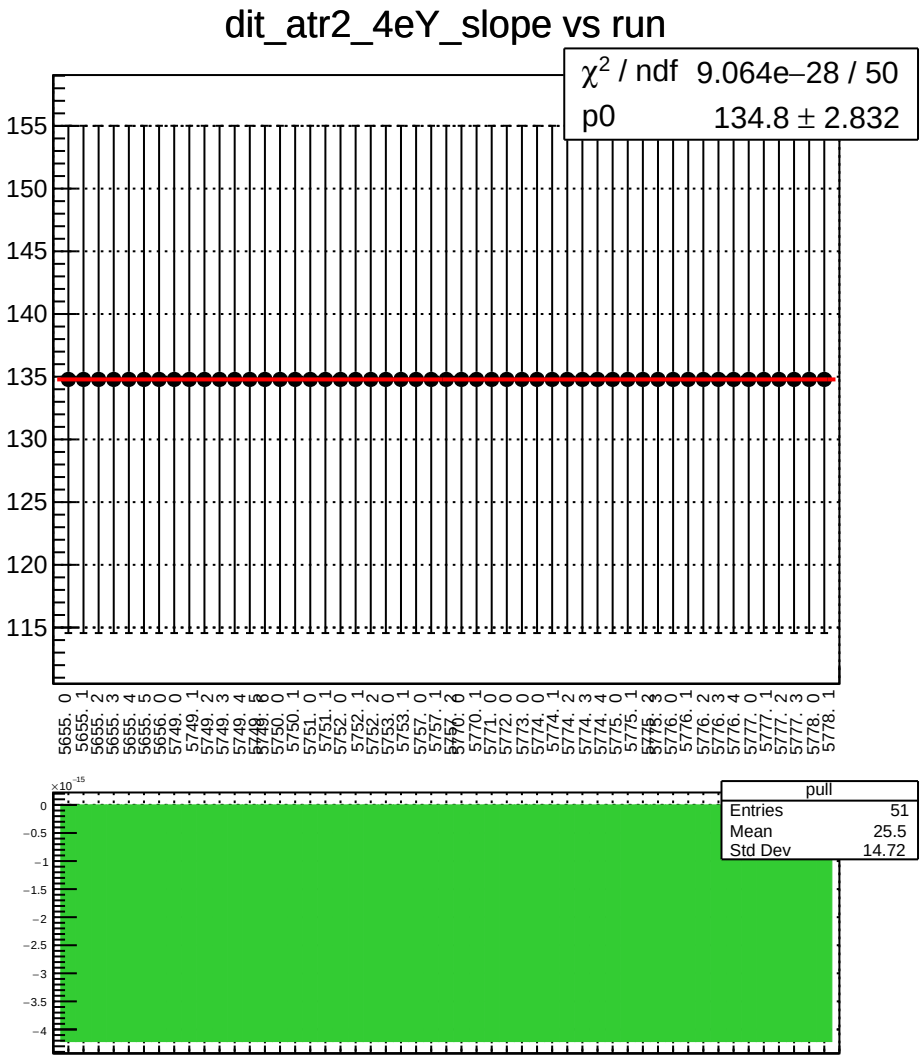

pull1D
Entries 51
Mean 0
Std Dev 0

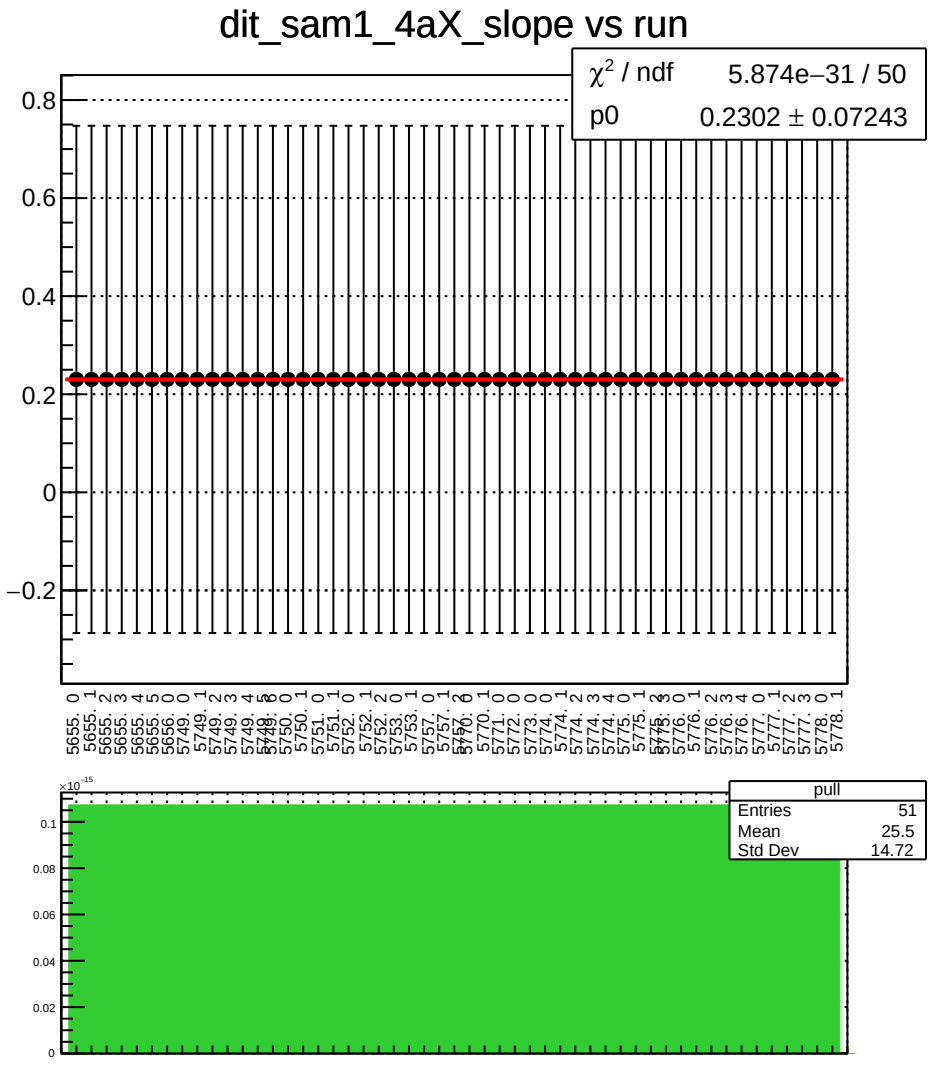

dit_atr2_11X12X_slope vs run
χ² / ndf 1.209e−26 / 50
p0 −261.3 ± 3.102
−240
−250
−260
−270
−280
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

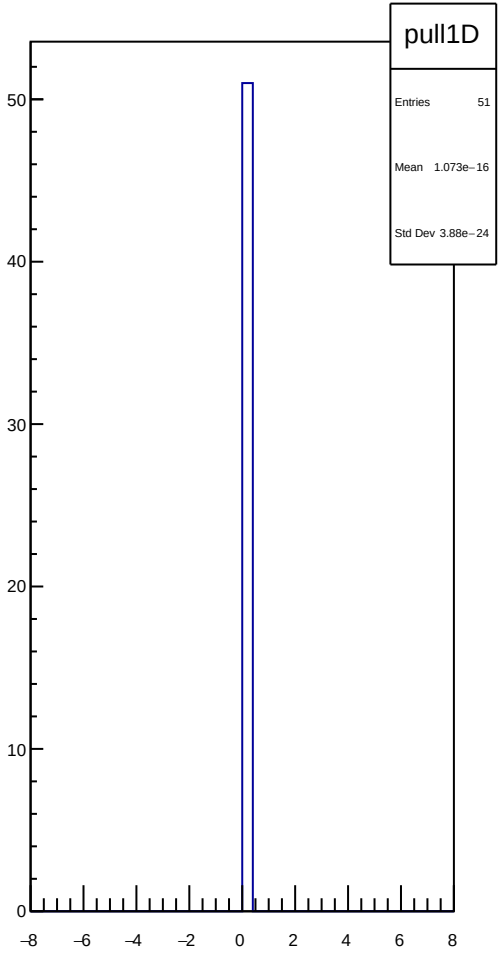

pull1D
Entries 51
Mean 1.54e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

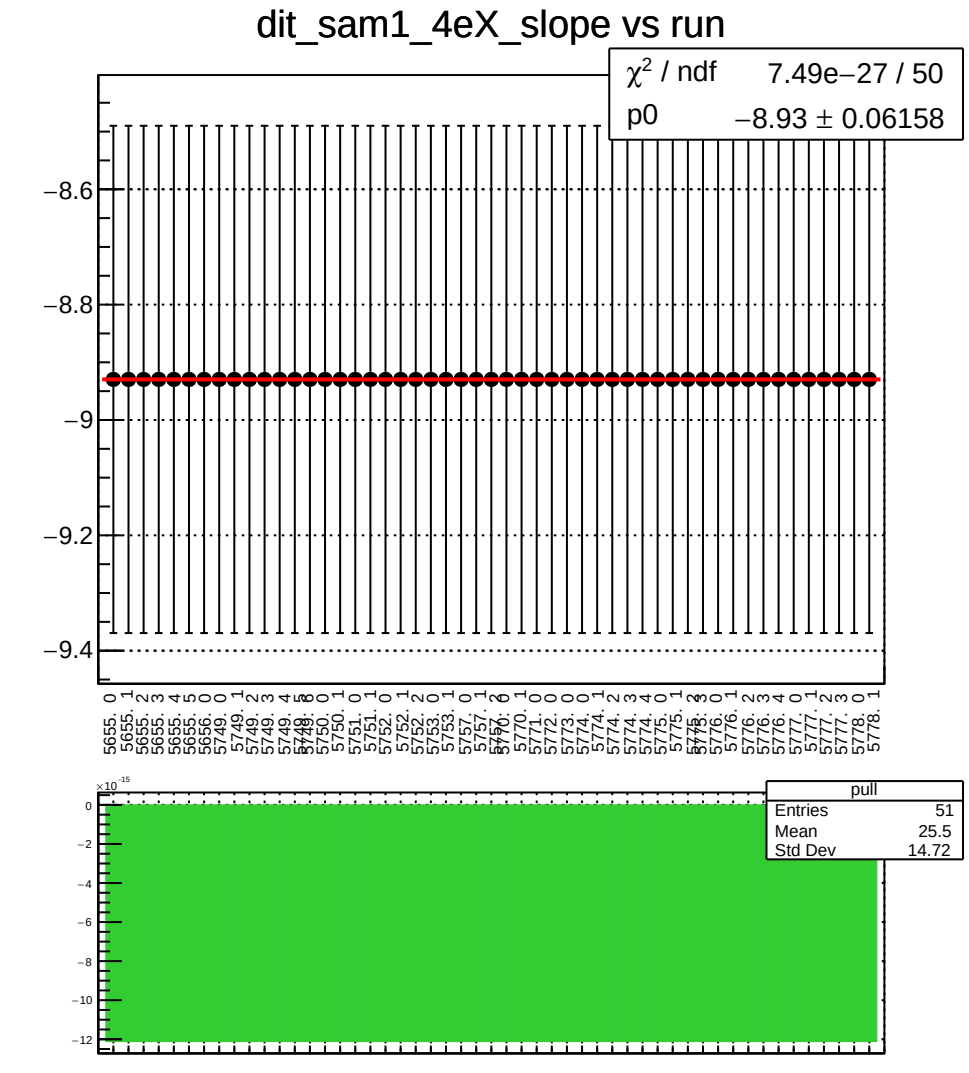

dit_atr2_4aY_slope vs run
χ² / ndf 1.624e−28 / 50
p0 −18.86 ± 1.952
pull
Entries 51
Mean 25.5
Std Dev 14.72

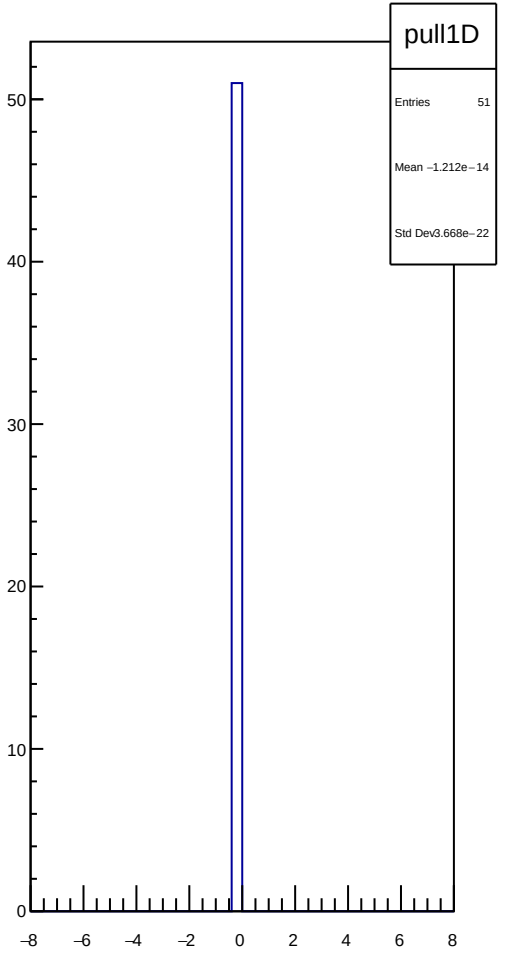

pull1D
Entries 51
Mean −1.784e−15
Std Dev1.059e−22

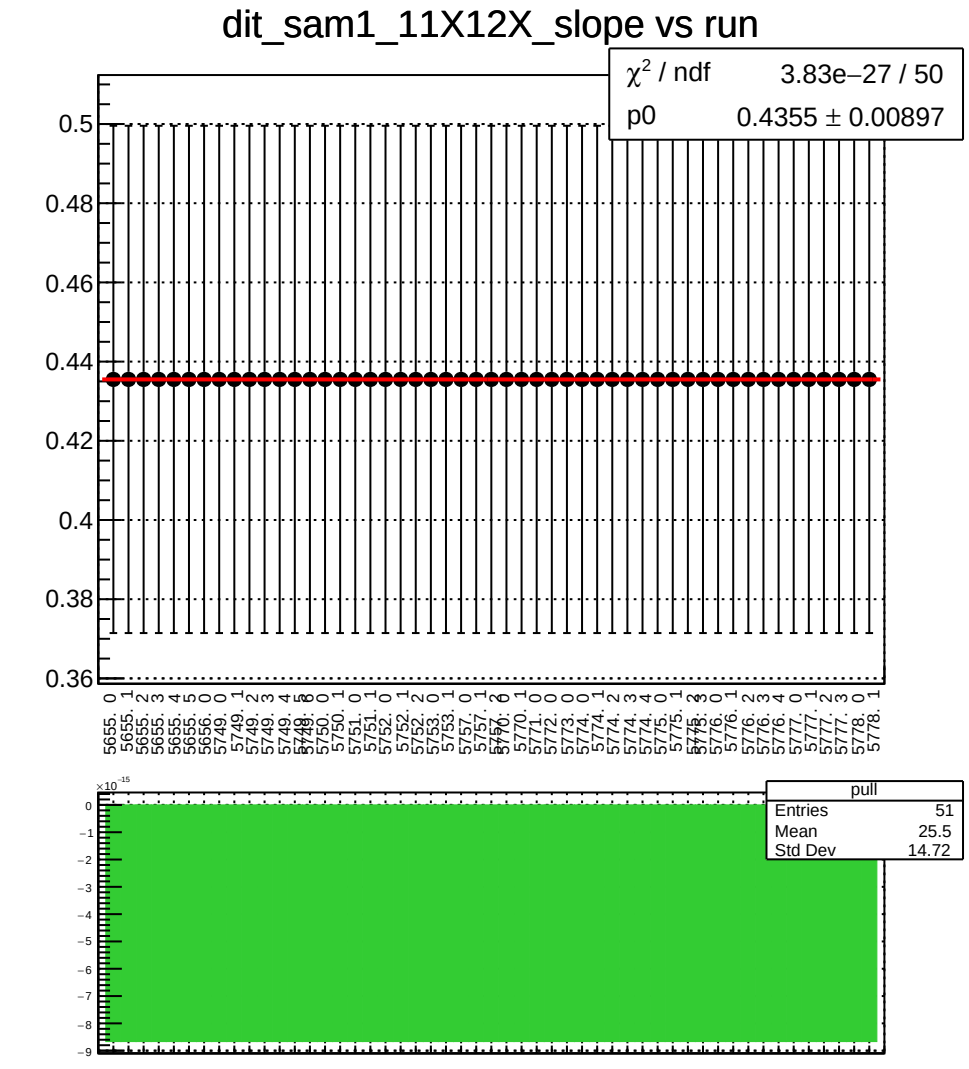

dit_atr2_4eY_slope vs run
χ^2 / ndf 9.064e−28 / 50
p0 134.8 ± 2.832
155
150
145
140
135
130
125
120
115
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −4.216e−15
Std Dev1.909e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

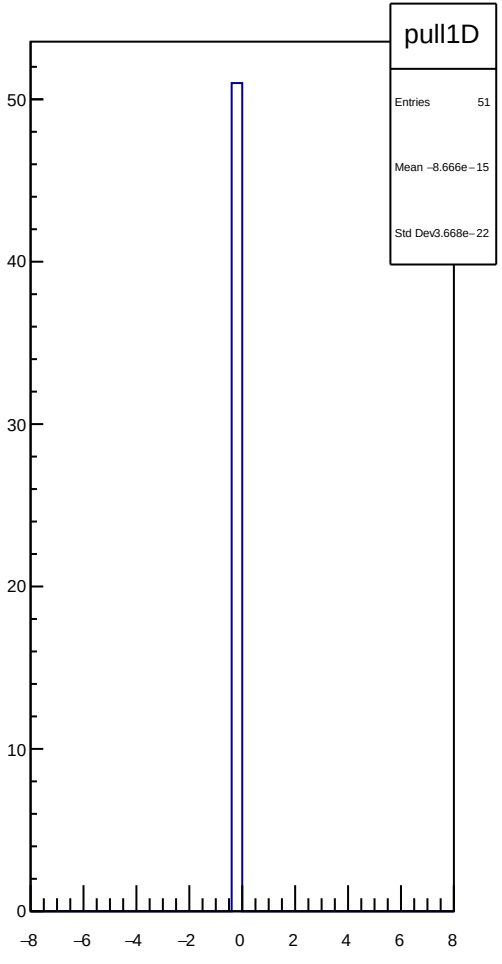

dit_sam1_4aX_slope vs run
χ² / ndf 5.874e−31 / 50
p0 0.2302 ± 0.07243
pull
Entries 51
Mean 25.5
Std Dev 14.72

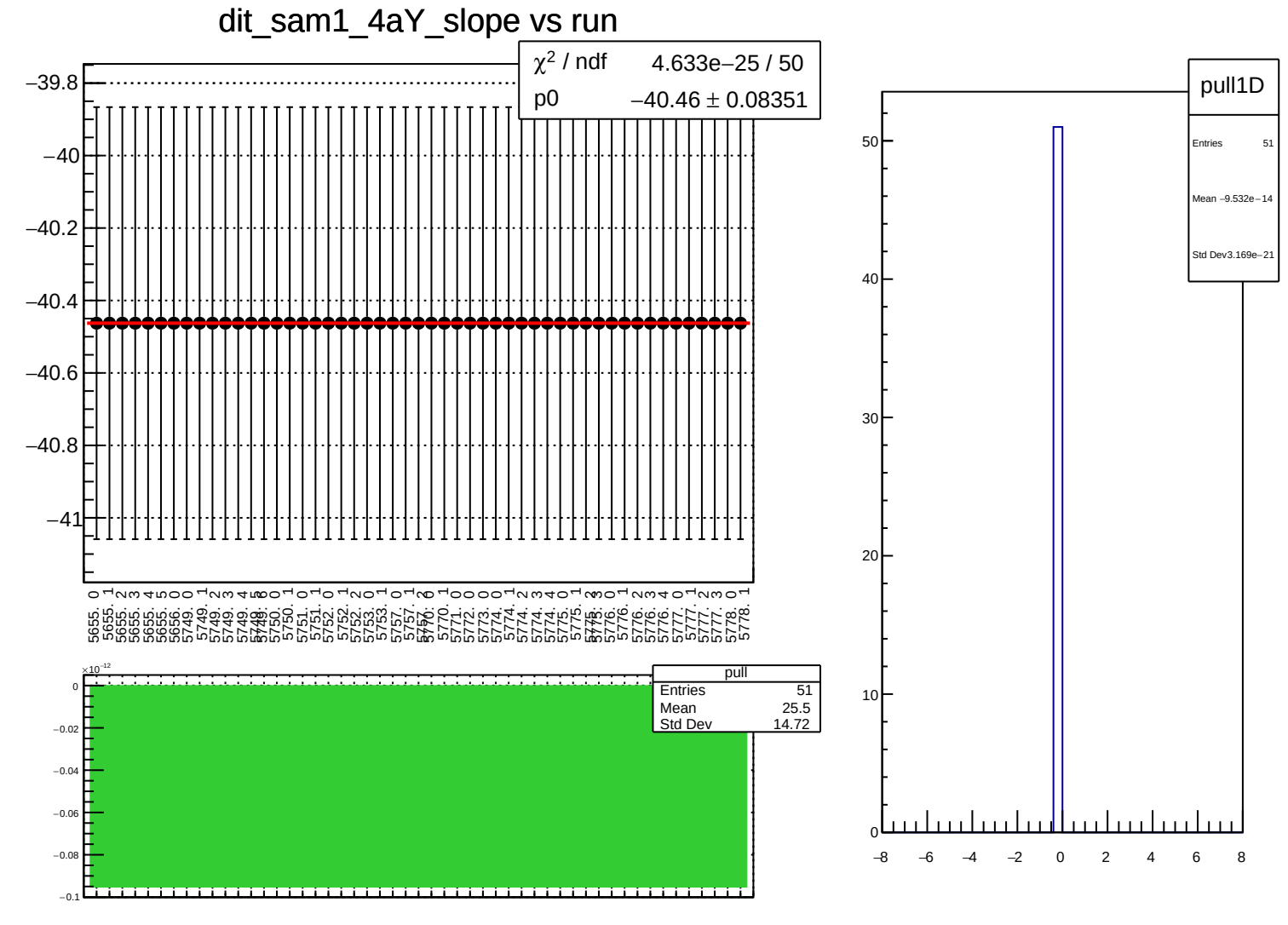

pull1D
Entries 51
Mean 1.073e−16
Std Dev 3.88e−24

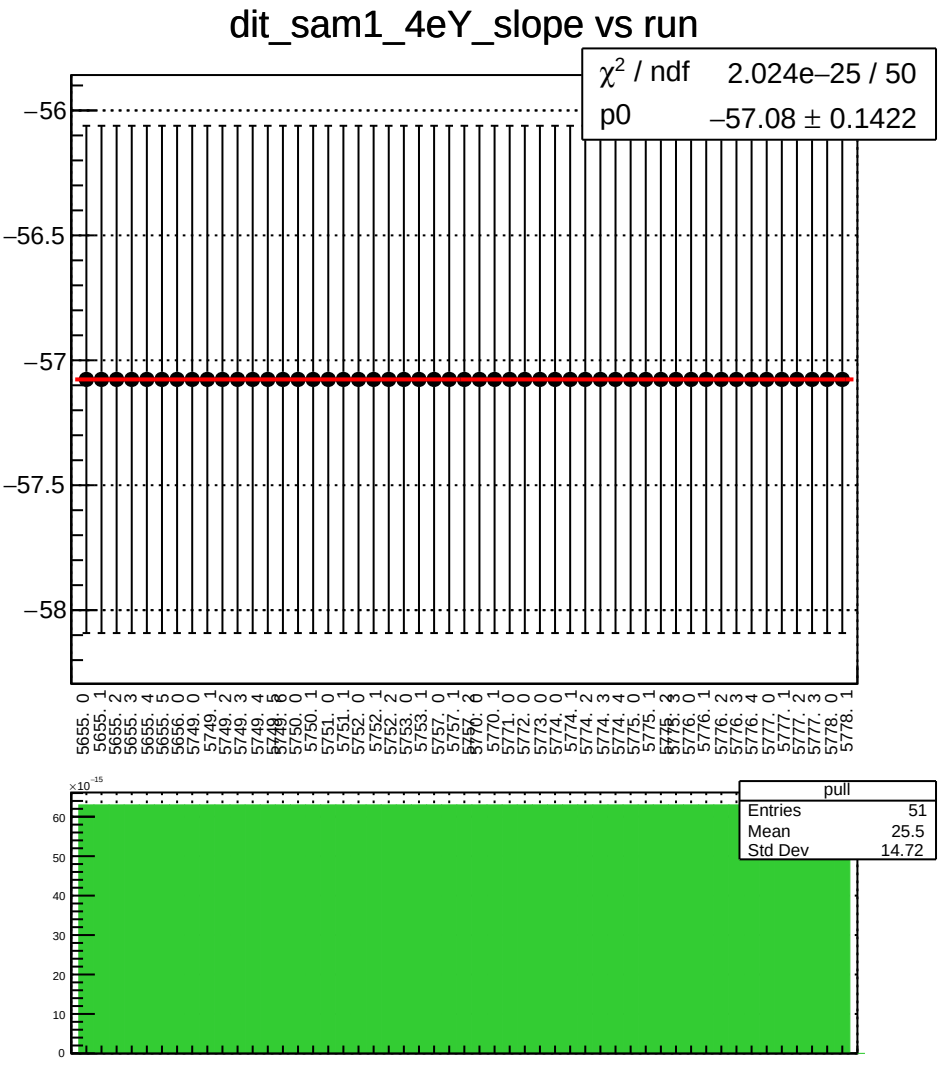

dit_sam1_4eX_slope vs run
χ² / ndf 7.49e−27 / 50
p0 −8.93 ± 0.06158
−8.6
−8.8
−9
−9.2
−9.4
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

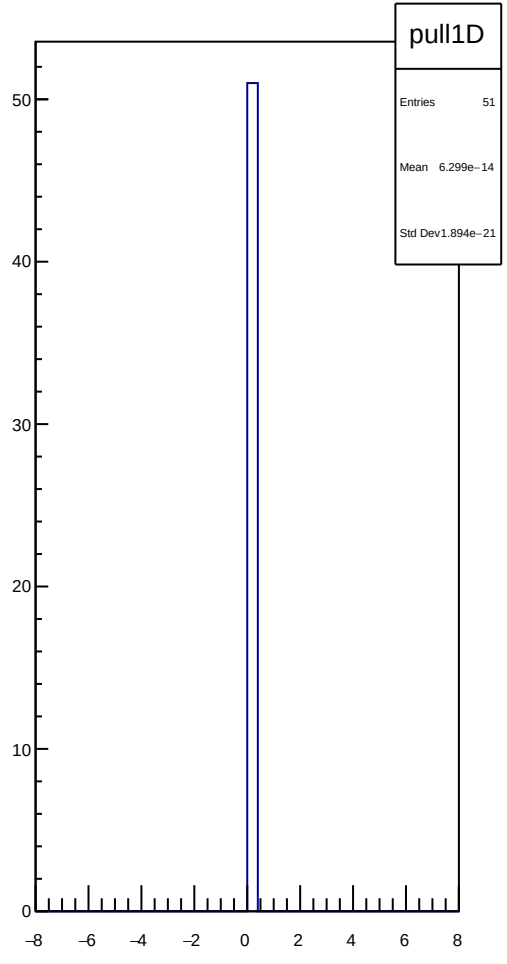

pull1D
Entries 51
Mean −1.212e−14
Std Dev 3.668e−22

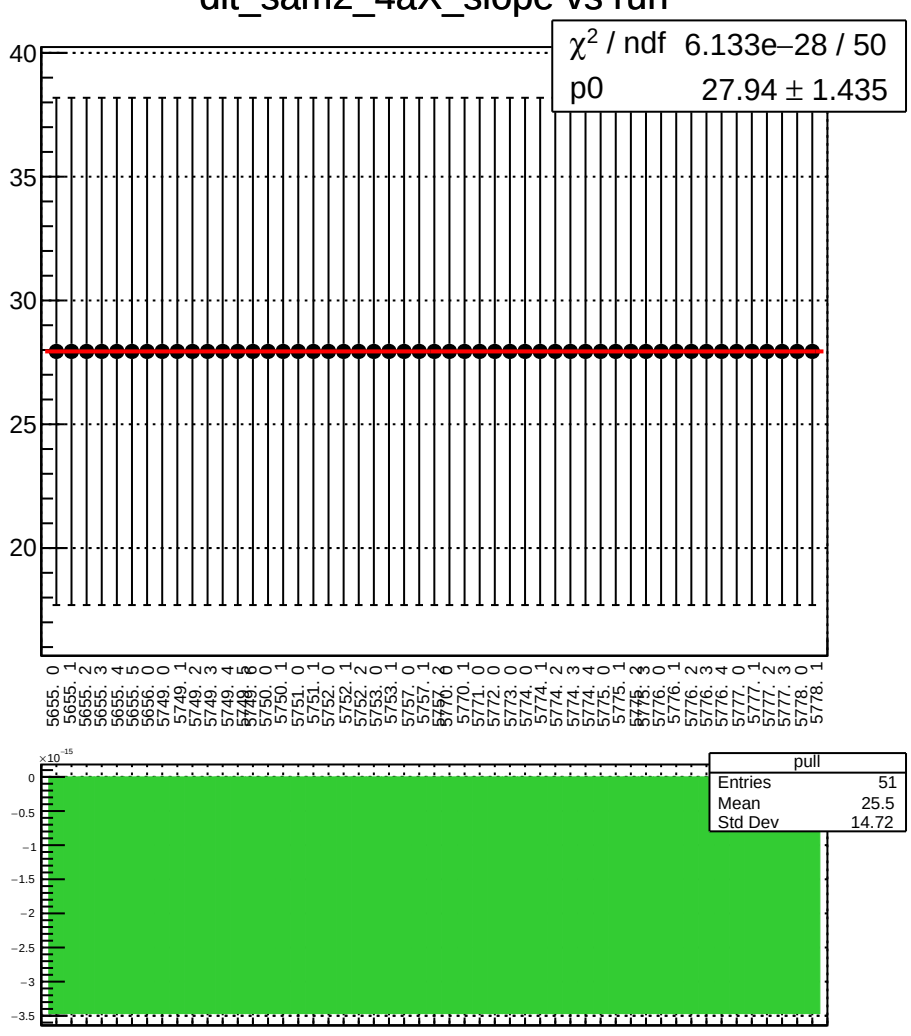

dit_sam1_11X12X_slope vs run
χ² / ndf 3.83e−27 / 50
p0 0.4355 ± 0.00897
pull
Entries 51
Mean 25.5
Std Dev 14.72

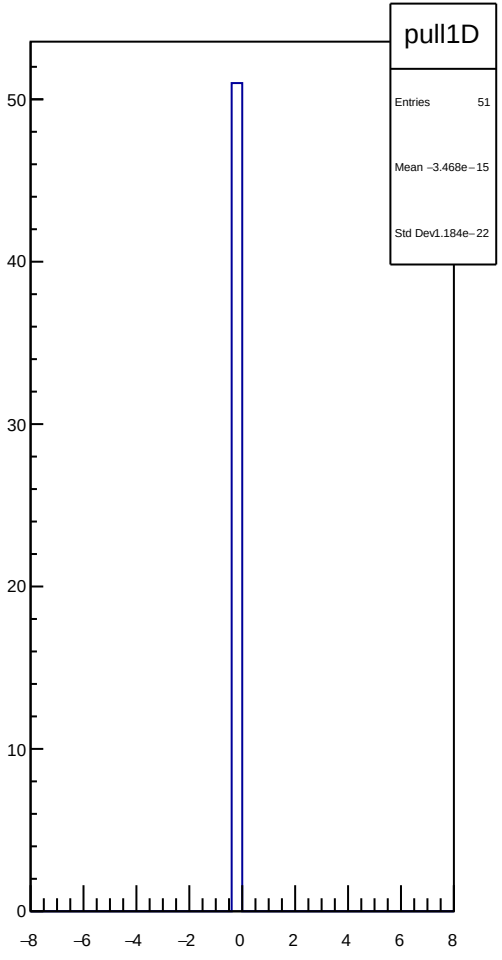

pull1D
Entries 51
Mean −8.666e−15
Std Dev3.668e−22

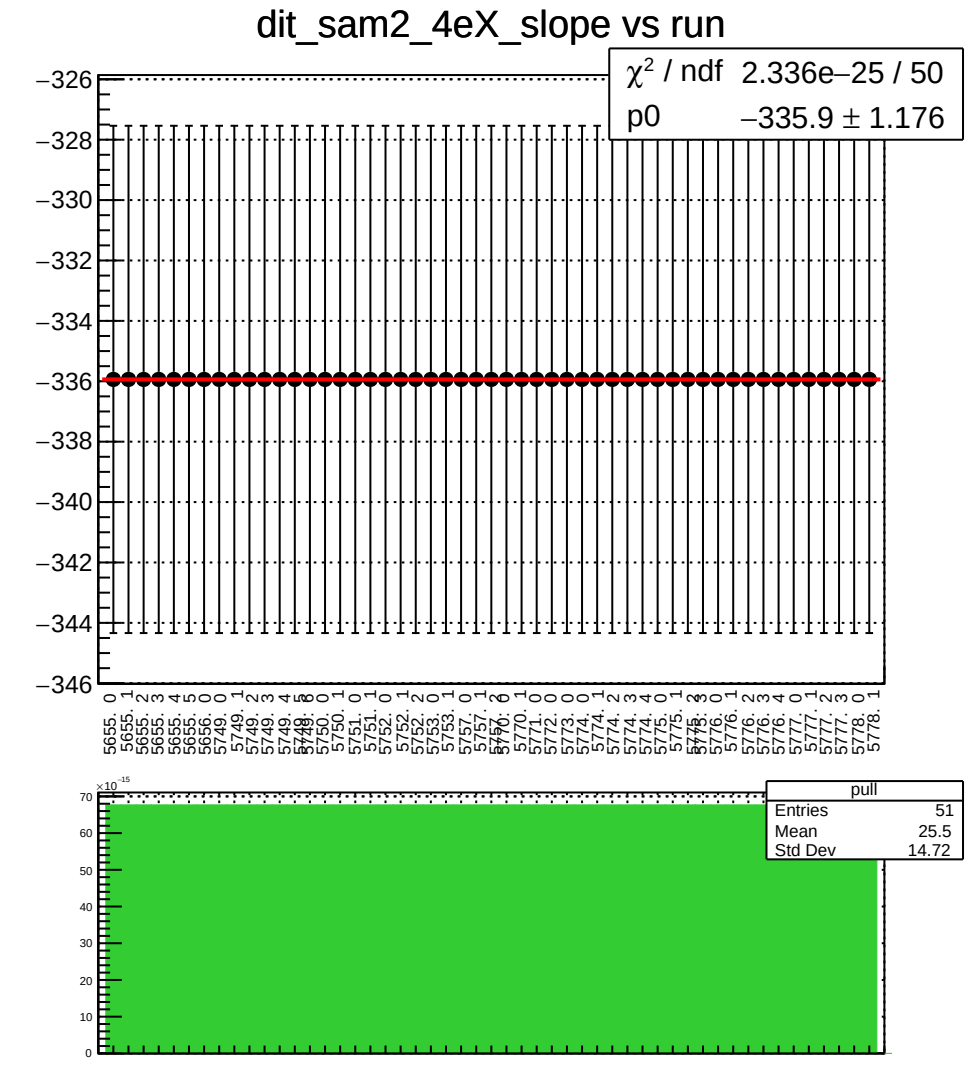

dit_sam1_4aY_slope vs run
χ² / ndf 4.633e−25 / 50
p0 −40.46 ± 0.08351
−39.8
−40
−40.2
−40.4
−40.6
−40.8
−41
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −9.532e−14
Std Dev3.169e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

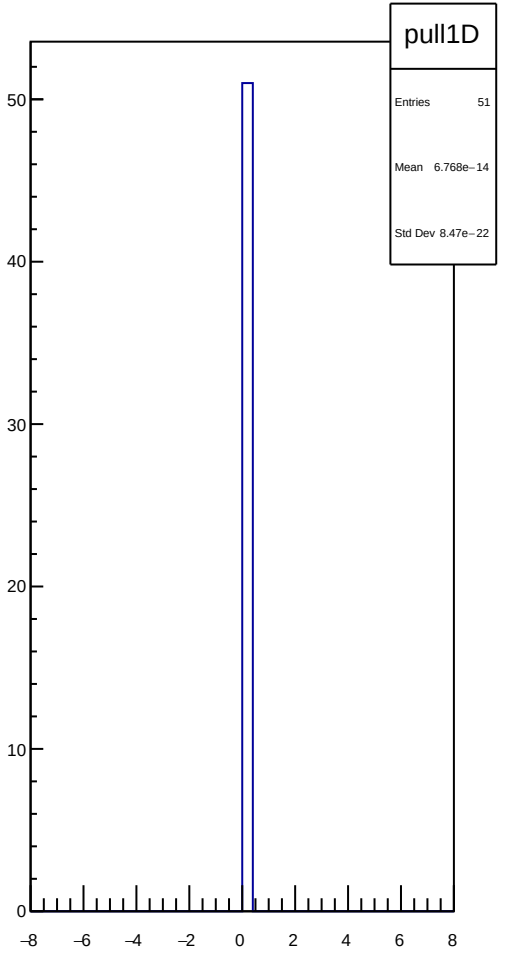

dit_sam1_4eY_slope vs run
χ² / ndf 2.024e−25 / 50
p0 −57.08 ± 0.1422
−56
−56.5
−57
−57.5
−58
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
60
50
40
30
20
10
0

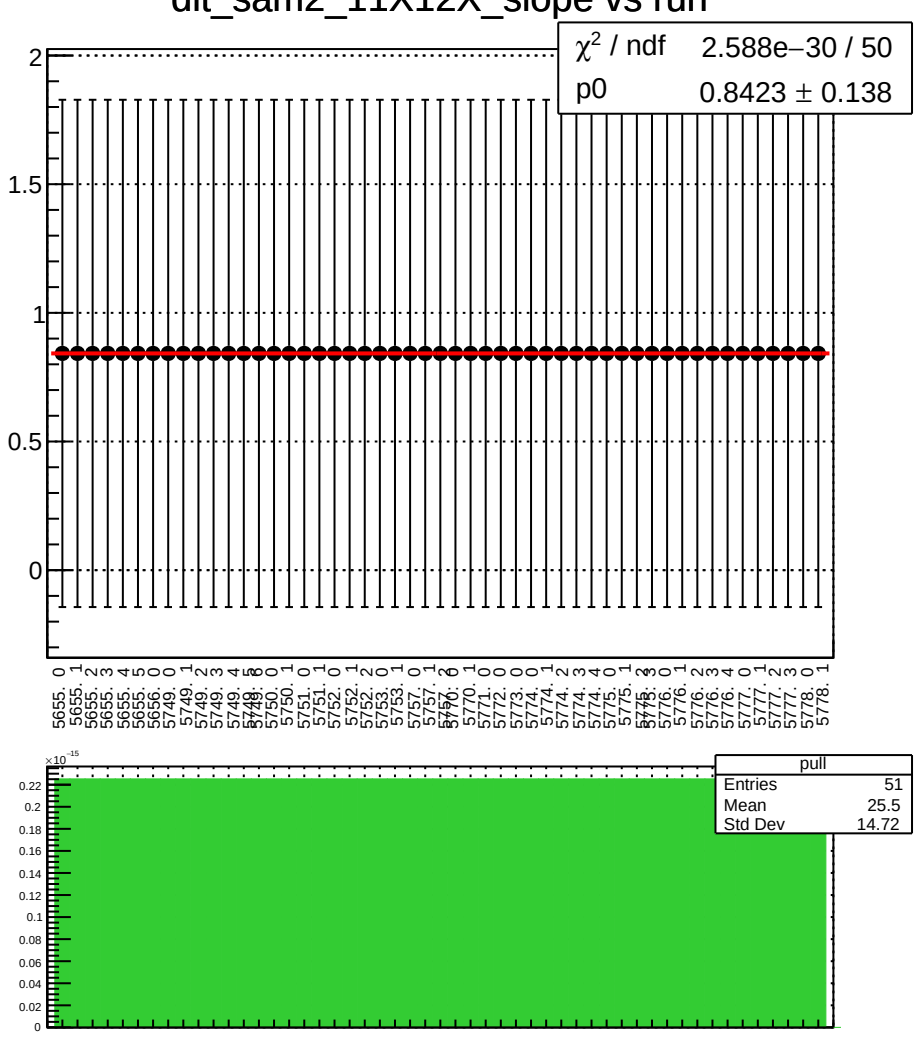

pull1D
Entries 51
Mean 6.299e−14
Std Dev 1.894e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

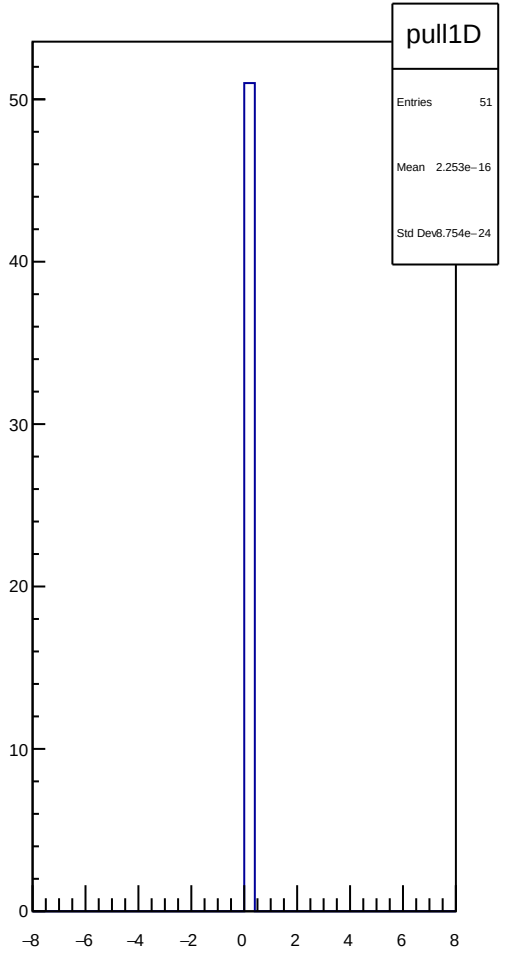

dit_sam2_4aX_slope vs run
χ² / ndf 6.133e−28 / 50
p0 27.94 ± 1.435
pull
Entries 51
Mean 25.5
Std Dev 14.72

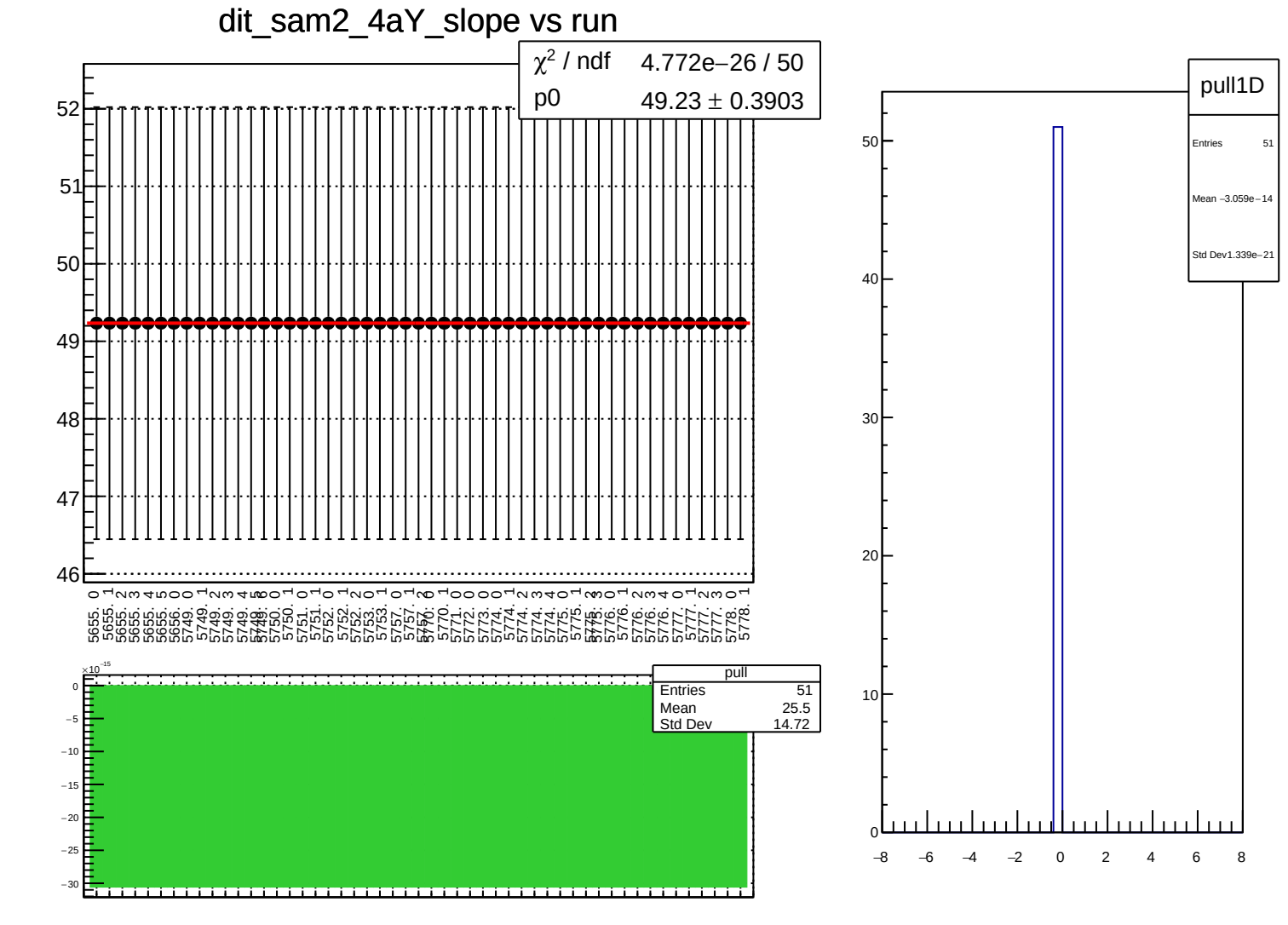

pull1D
Entries 51
Mean −3.468e−15
Std Dev1.184e−22

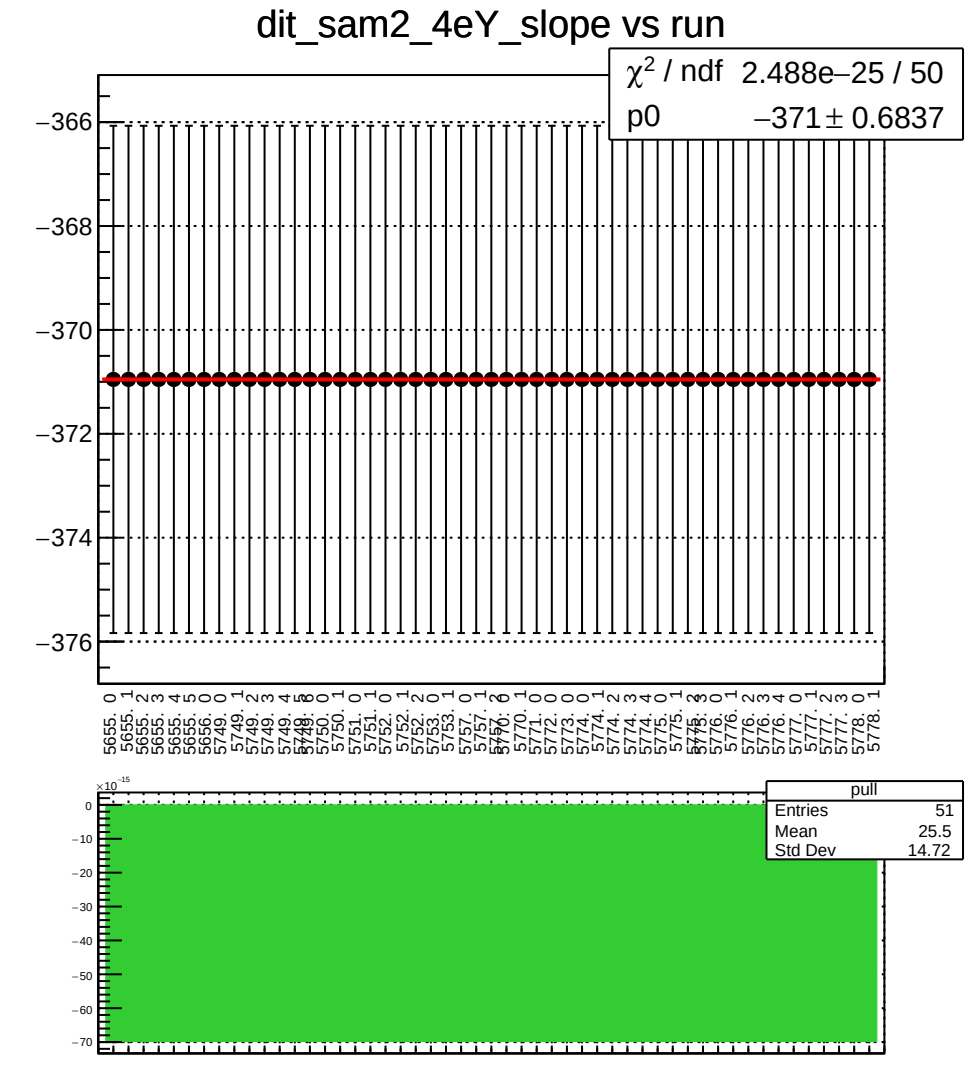

dit_sam2_4eX_slope vs run
χ² / ndf 2.336e−25 / 50
p0 −335.9 ± 1.176
pull
Entries 51
Mean 25.5
Std Dev 14.72

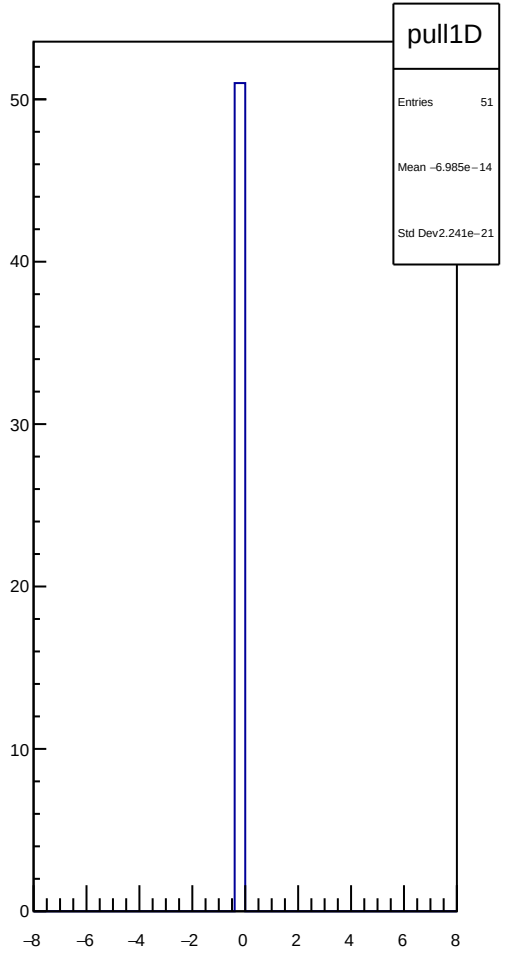

pull1D
Entries 51
Mean 6.768e−14
Std Dev 8.47e−22

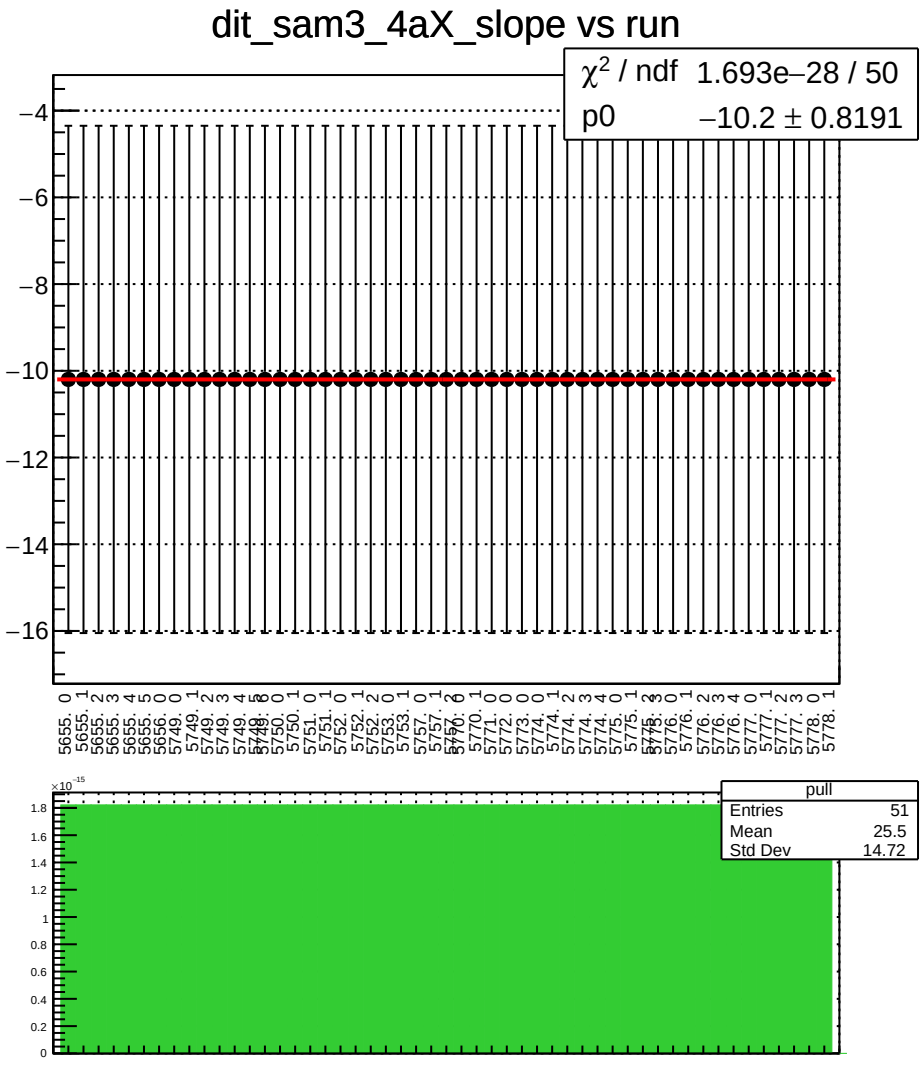

dit_sam2_11X12X_slope vs run
χ² / ndf 2.588e−30 / 50
p0 0.8423 ± 0.138
pull
Entries 51
Mean 25.5
Std Dev 14.72

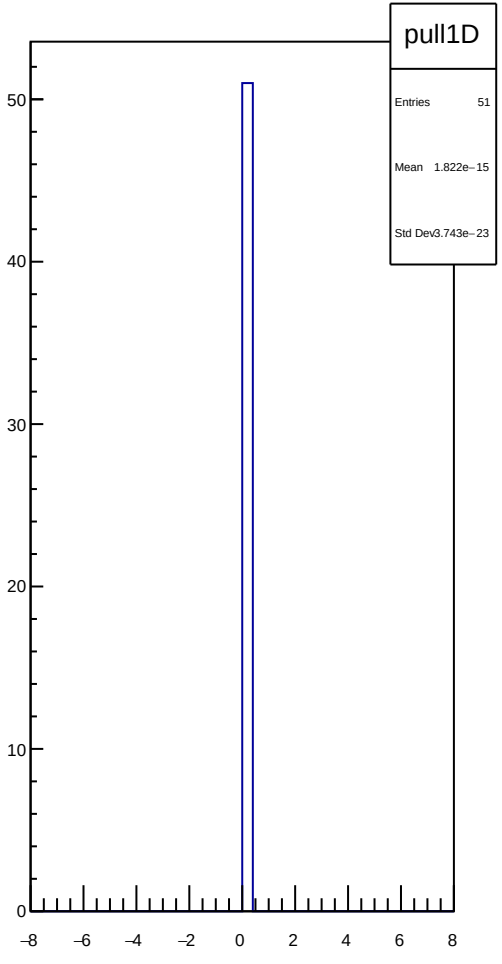

pull1D
Entries 51
Mean 2.253e−16
Std Dev 8.754e−24

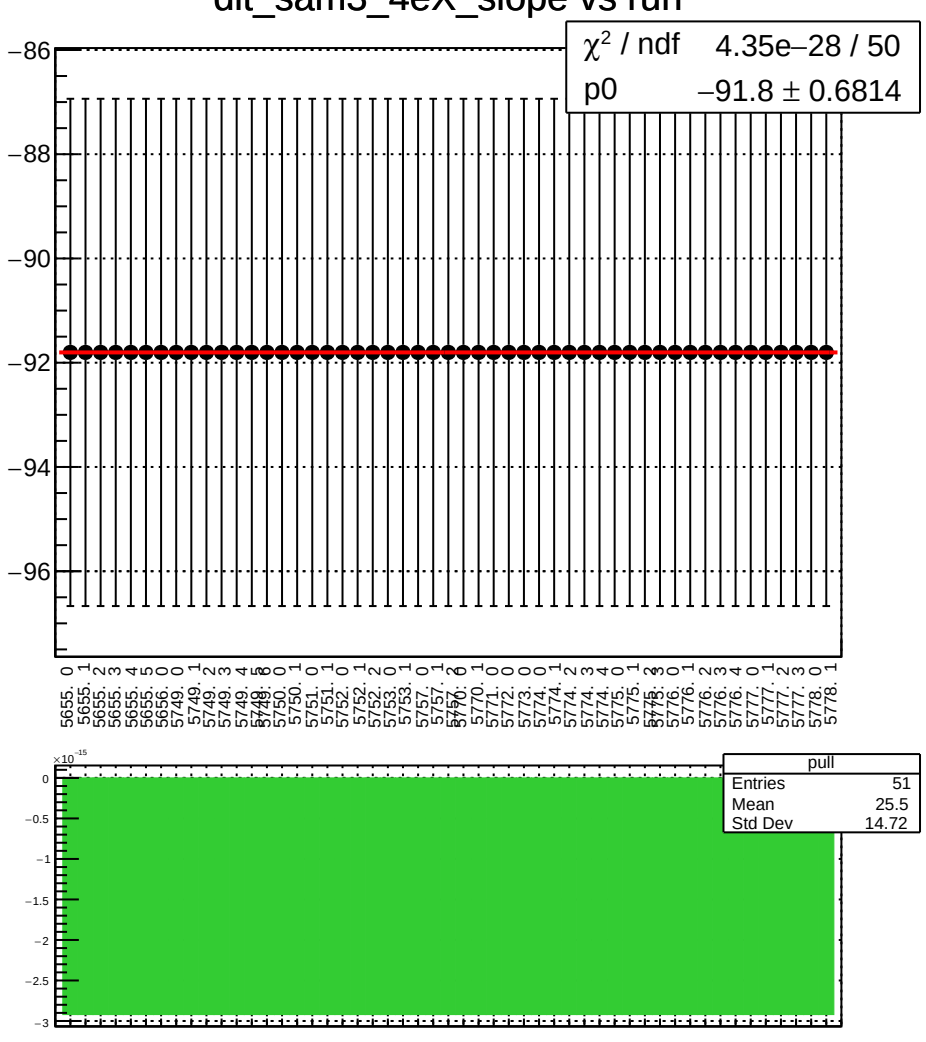

dit_sam2_4aY_slope vs run
χ² / ndf 4.772e−26 / 50
p0 49.23 ± 0.3903
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −3.059e−14
Std Dev1.339e−21

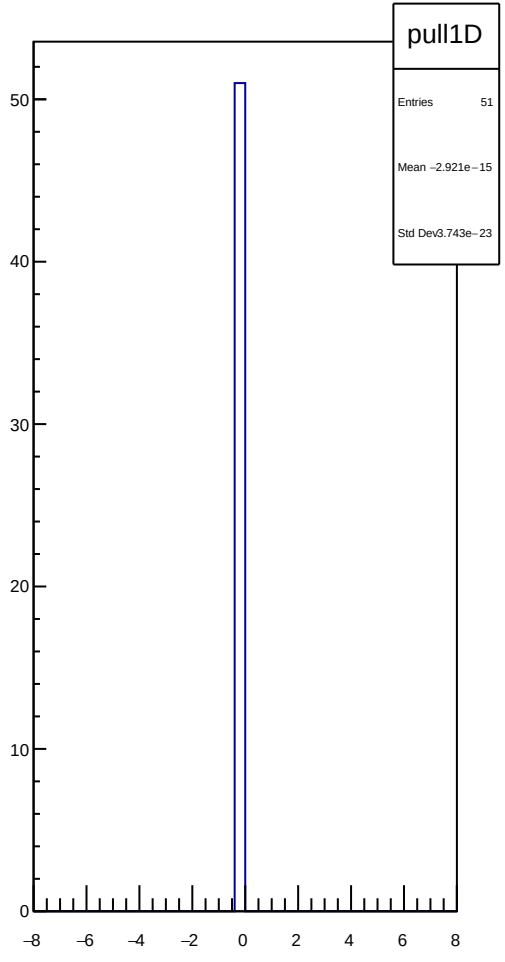

dit_sam2_4eY_slope vs run
χ² / ndf 2.488e−25 / 50
p0 −371 ± 0.6837
−366
−368
−370
−372
−374
−376
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

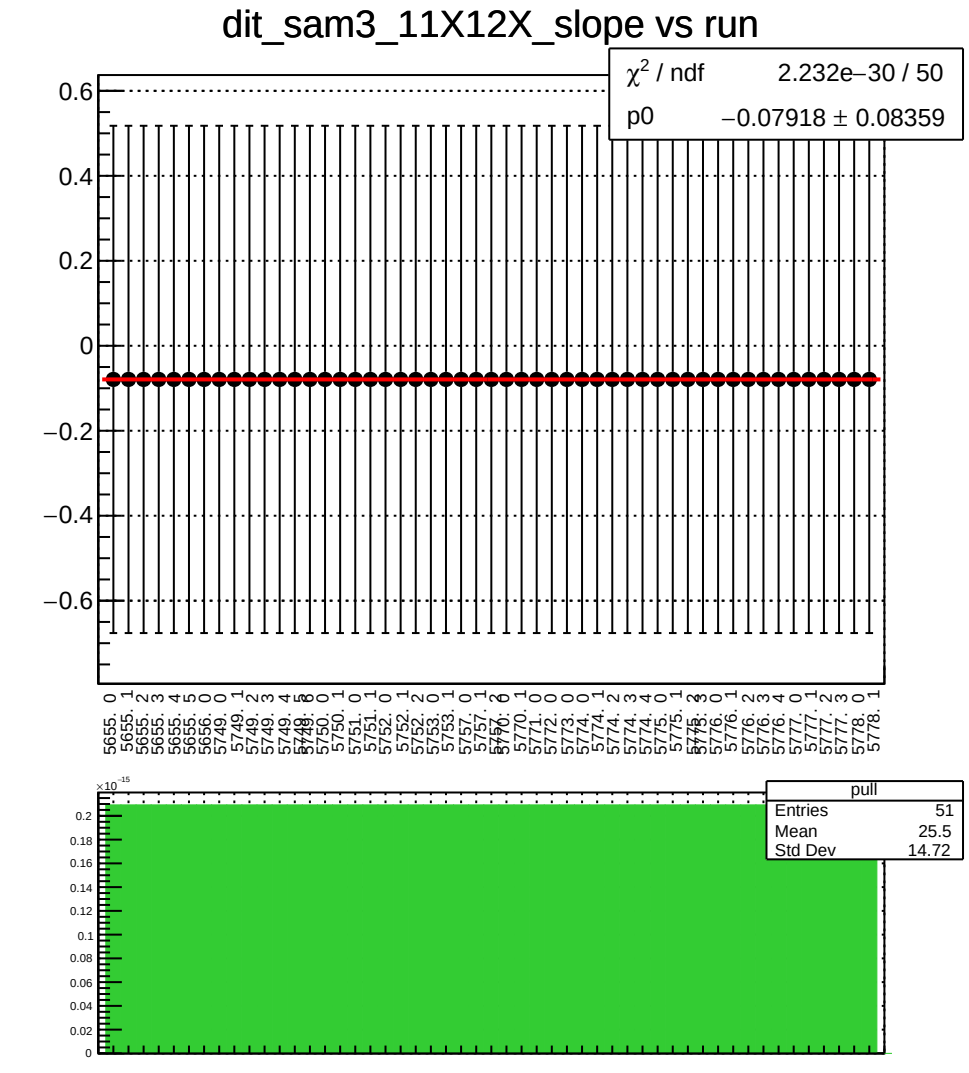

pull1D
Entries 51
Mean −6.985e−14
Std Dev2.241e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

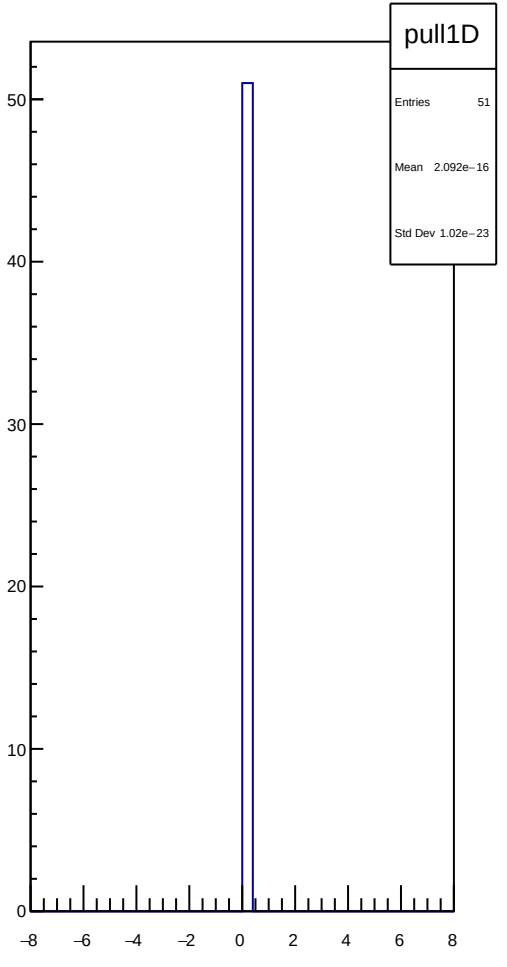

dit_sam3_4aX_slope vs run
χ² / ndf 1.693e−28 / 50
p0 −10.2 ± 0.8191
pull
Entries 51
Mean 25.5
Std Dev 14.72

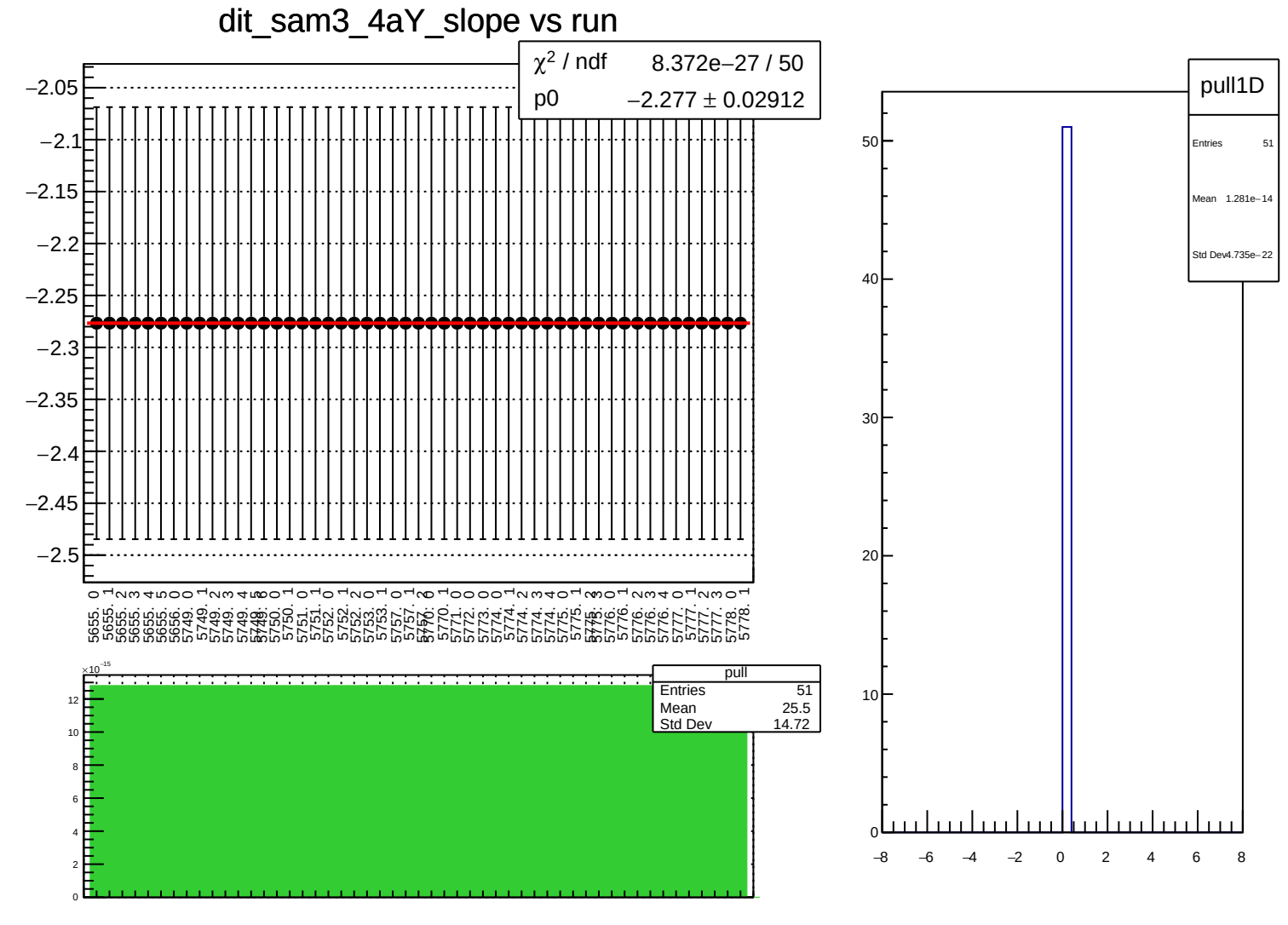

pull1D
Entries 51
Mean 1.822e−15
Std Dev 3.743e−23

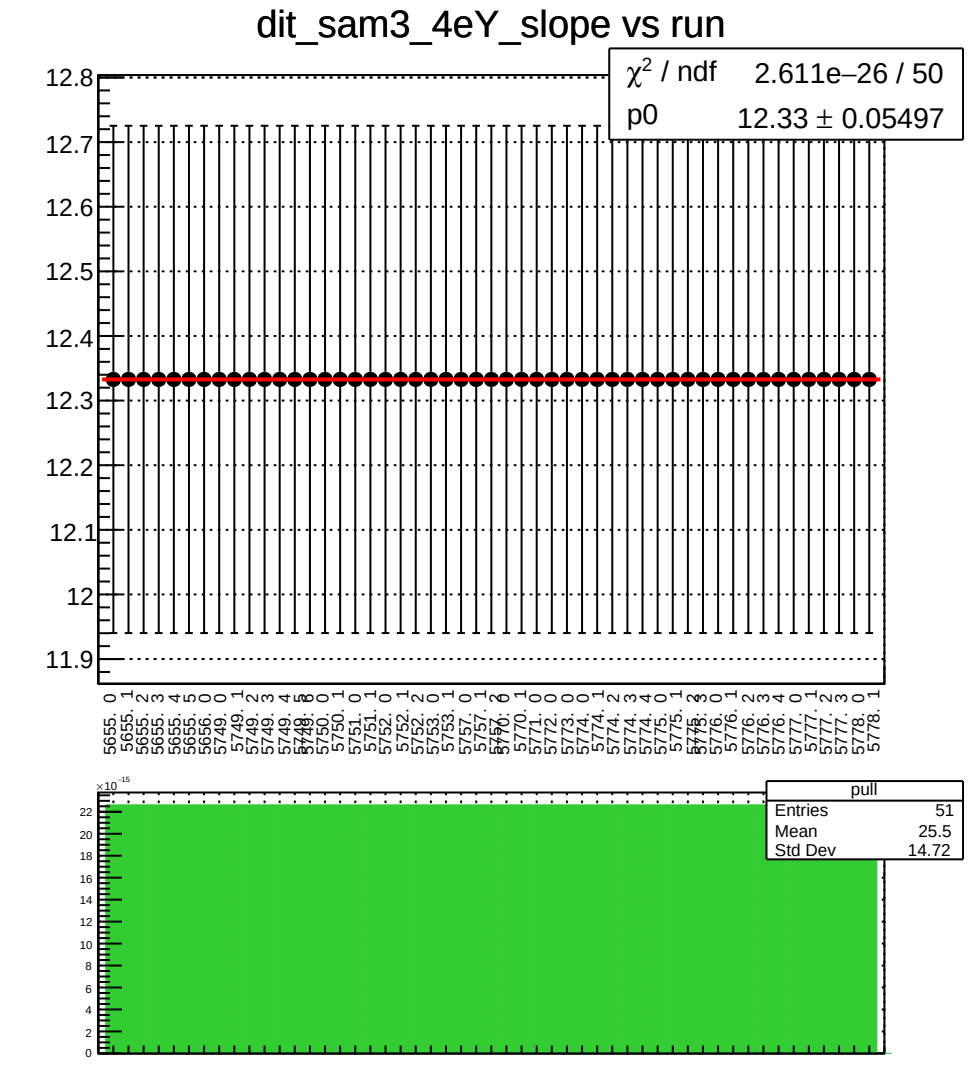

dit_sam3_4eX_slope vs run
χ² / ndf 4.35e−28 / 50
p0 −91.8 ± 0.6814
−86
−88
−90
−92
−94
−96
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

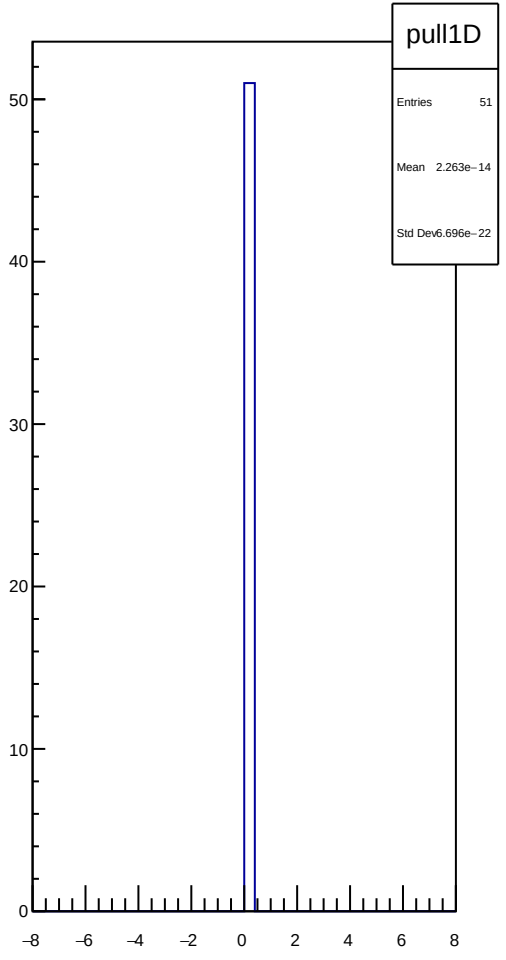

pull1D
Entries 51
Mean −2.921e−15
Std Dev 3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

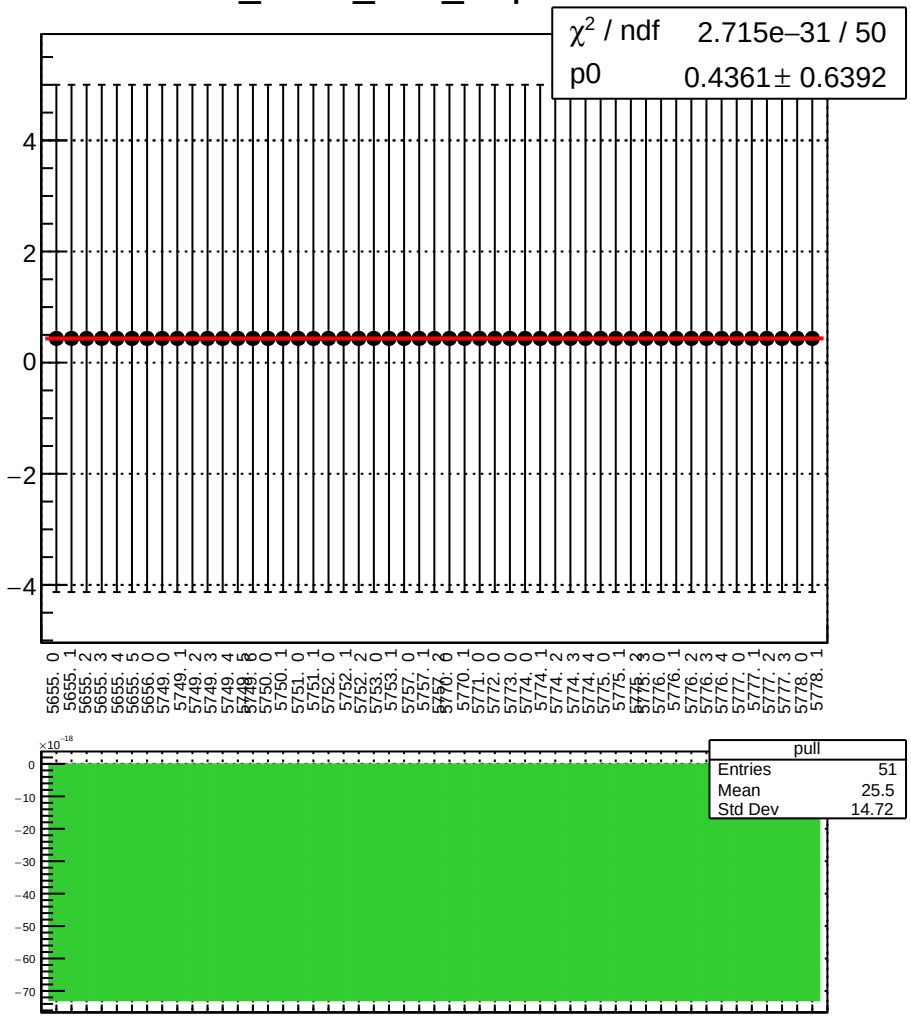

dit_sam3_11X12X_slope vs run
χ² / ndf 2.232e−30 / 50
p0 −0.07918 ± 0.08359
pull
Entries 51
Mean 25.5
Std Dev 14.72

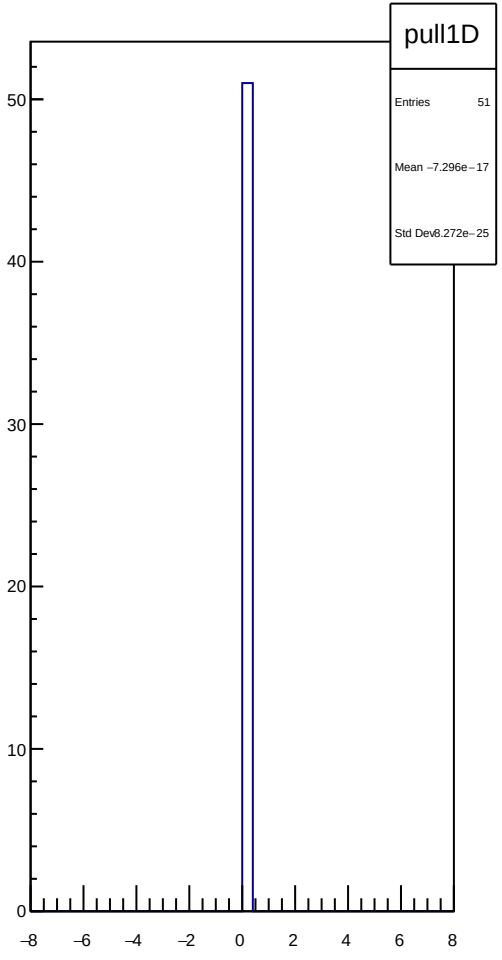

pull1D
Entries 51
Mean 2.092e−16
Std Dev 1.02e−23

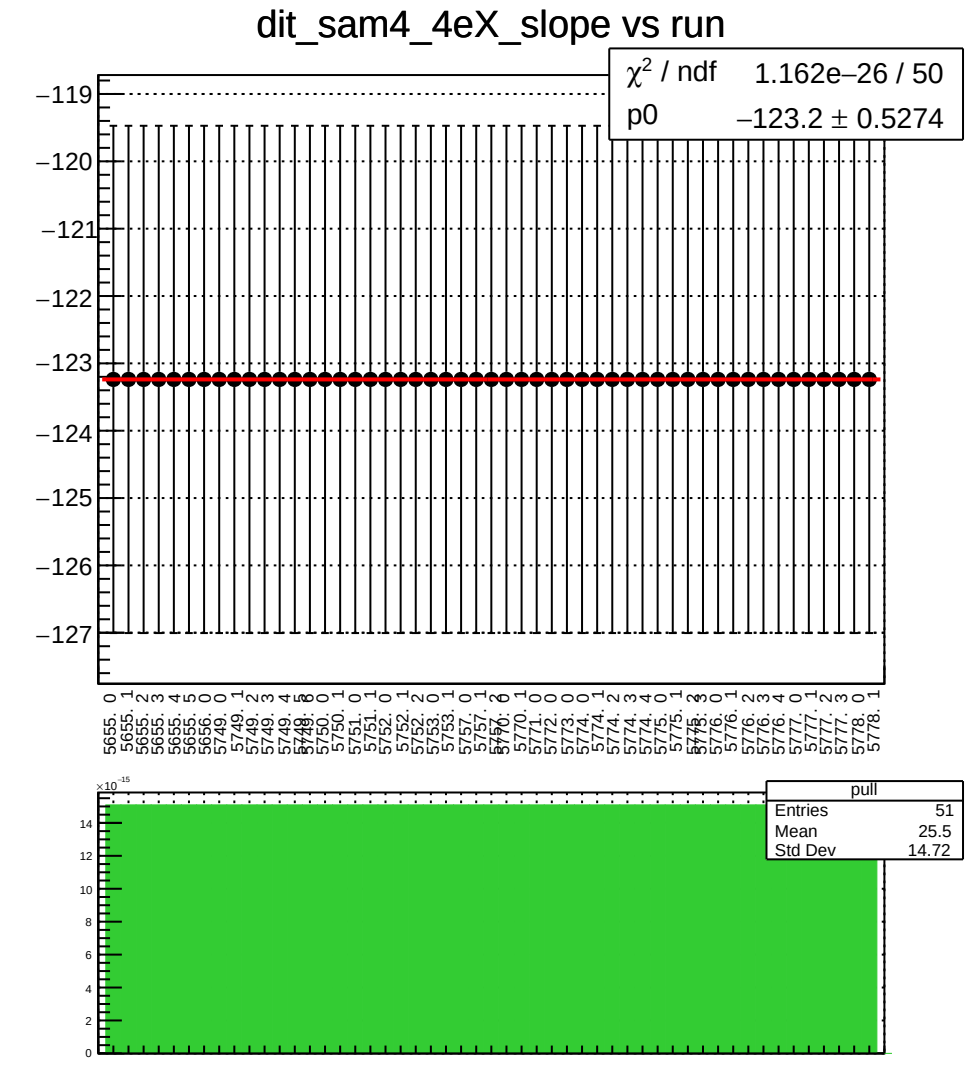

dit_sam3_4aY_slope vs run
χ² / ndf 8.372e−27 / 50
p0 −2.277 ± 0.02912
−2.05
−2.1
−2.15
−2.2
−2.25
−2.3
−2.35
−2.4
−2.45
−2.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 1.281e−14
Std Dev 4.735e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

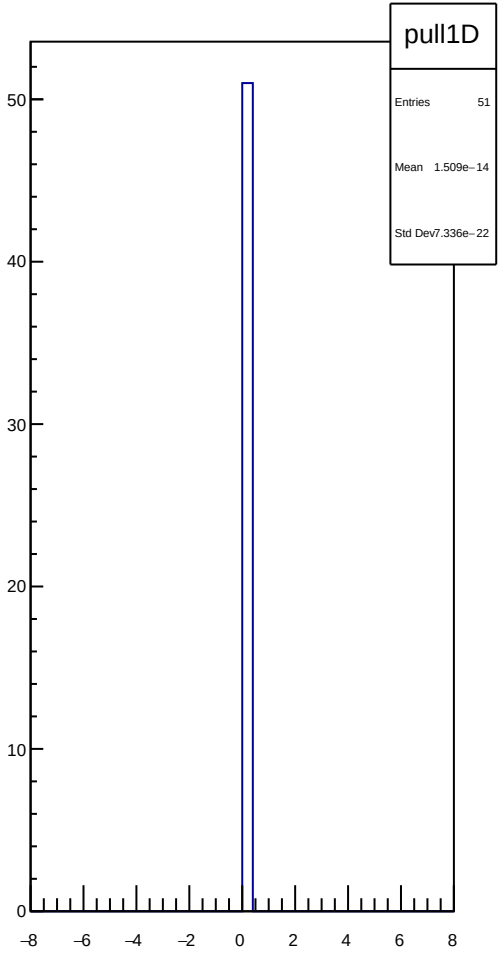

dit_sam3_4eY_slope vs run
χ² / ndf 2.611e−26 / 50
p0 12.33 ± 0.05497
12.8
12.7
12.6
12.5
12.4
12.3
12.2
12.1
12
11.9
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

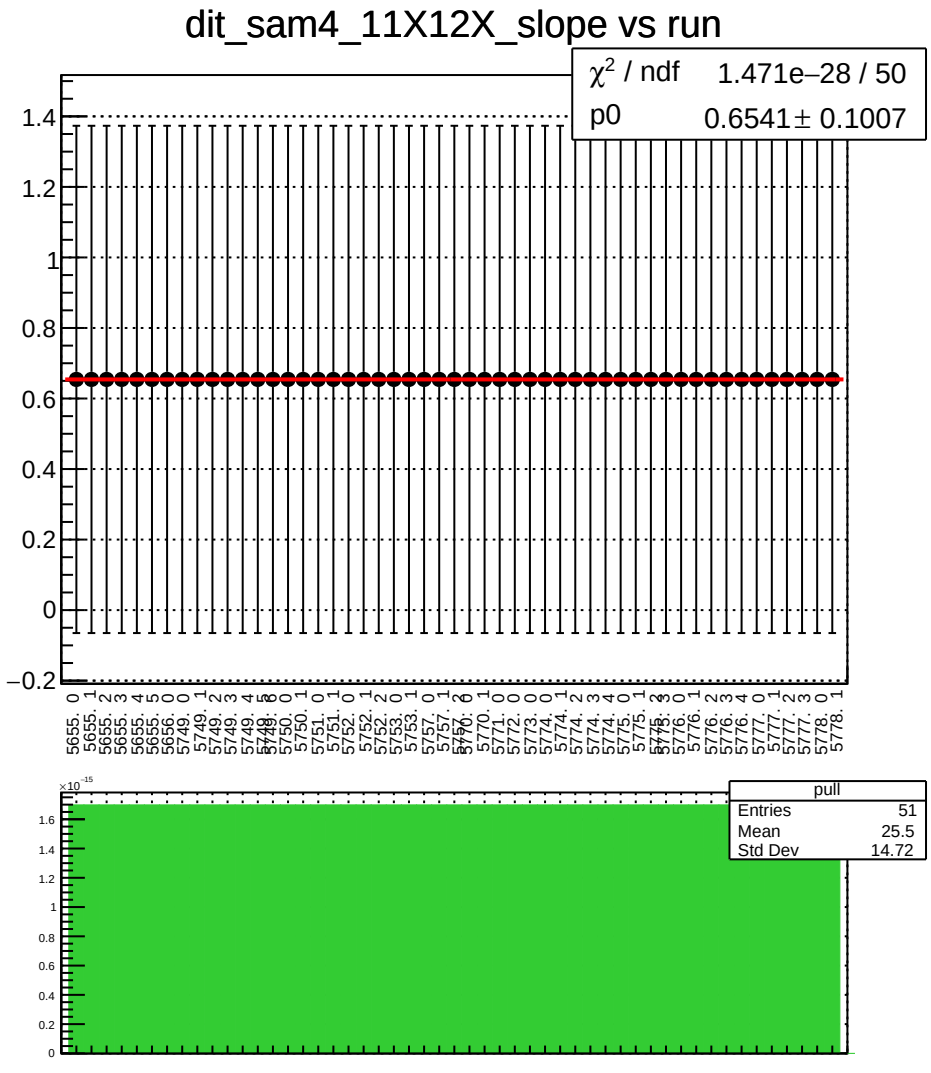

pull1D
Entries 51
Mean 2.263e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

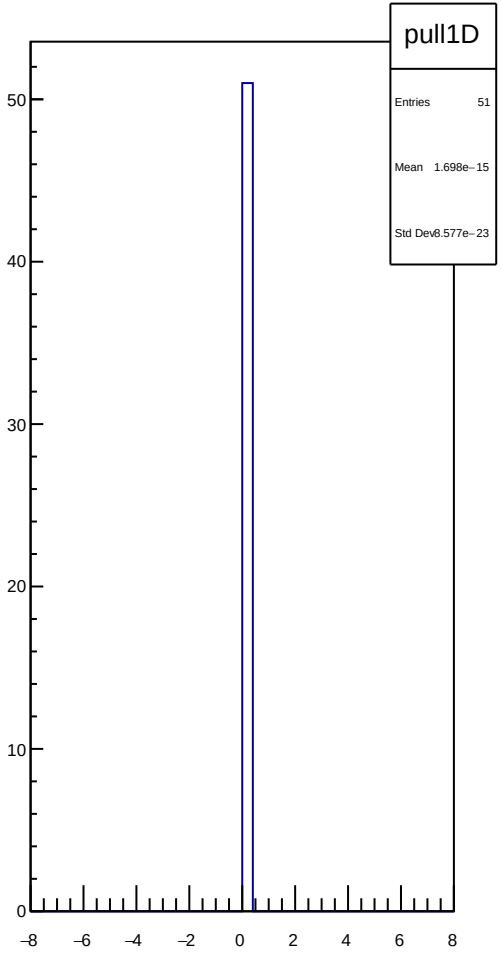

dit_sam4_4aX_slope vs run
χ² / ndf 2.715e−31 / 50
p0 0.4361 ± 0.6392
pull
Entries 51
Mean 25.5
Std Dev 14.72

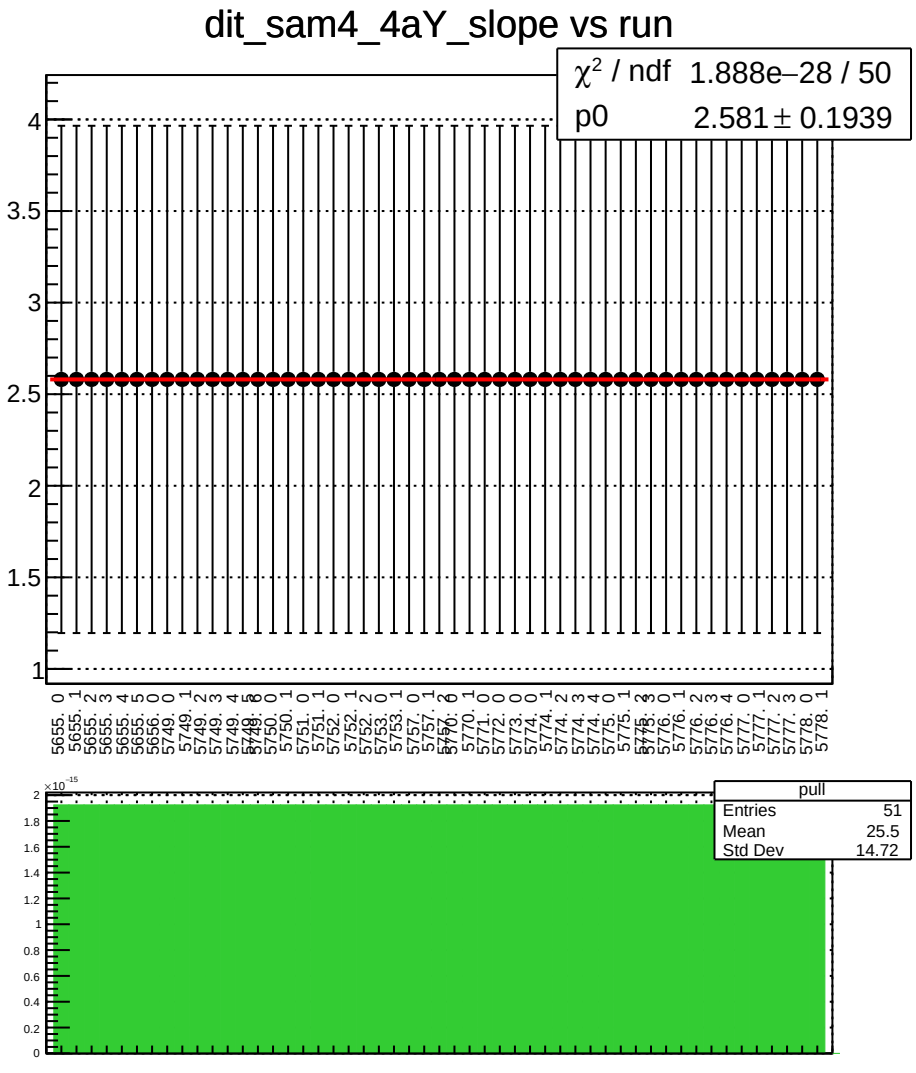

pull1D
Entries 51
Mean −7.296e−17
Std Dev 8.272e−25

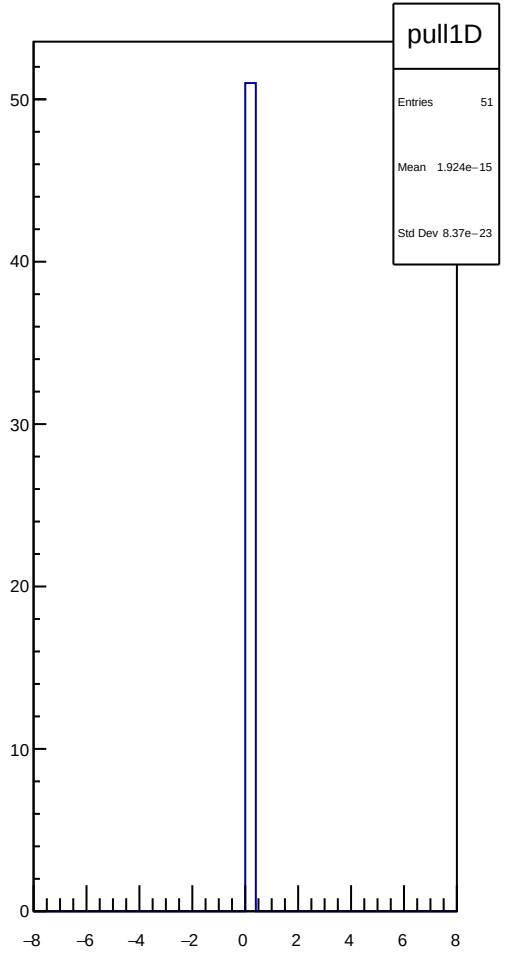

dit_sam4_4eX_slope vs run
χ² / ndf 1.162e−26 / 50
p0 −123.2 ± 0.5274
−119
−120
−121
−122
−123
−124
−125
−126
−127
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
14
12
10
8
6
4
2
0

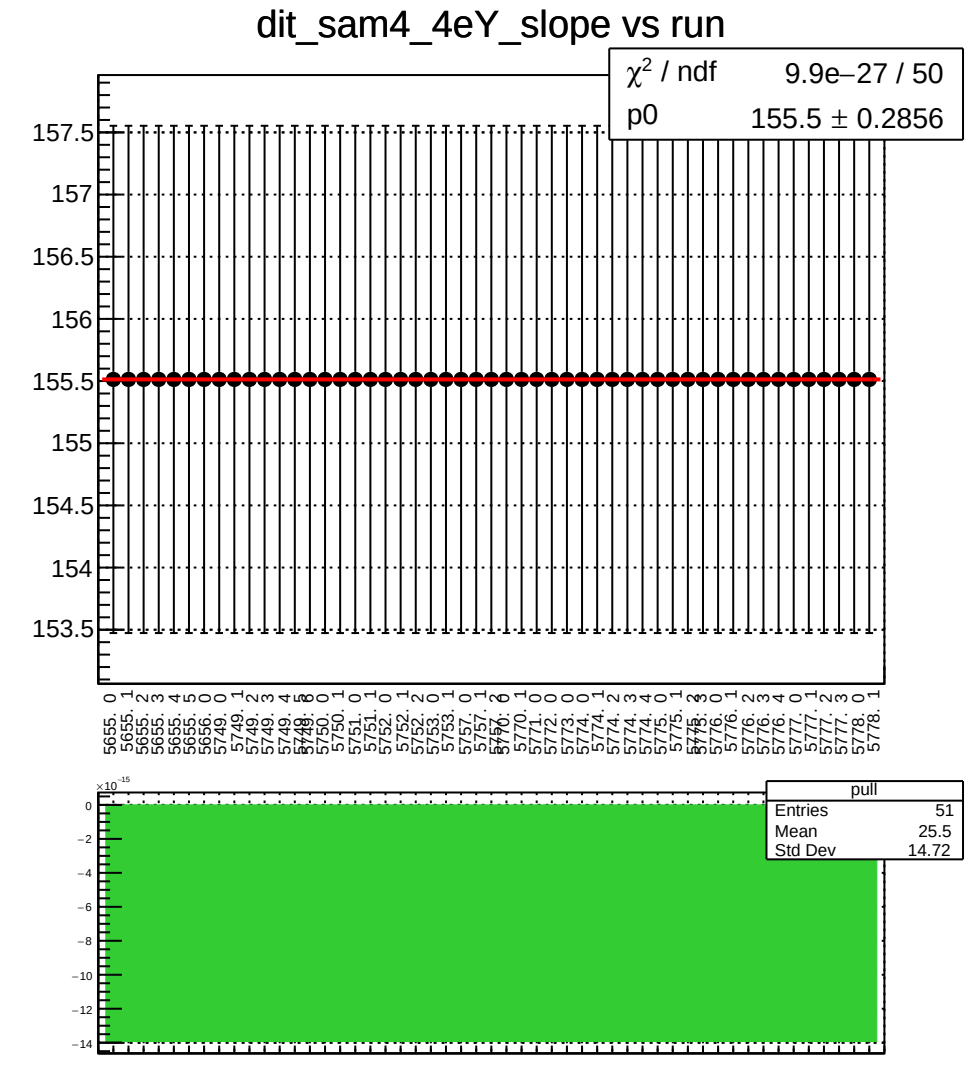

pull1D
Entries 51
Mean 1.509e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

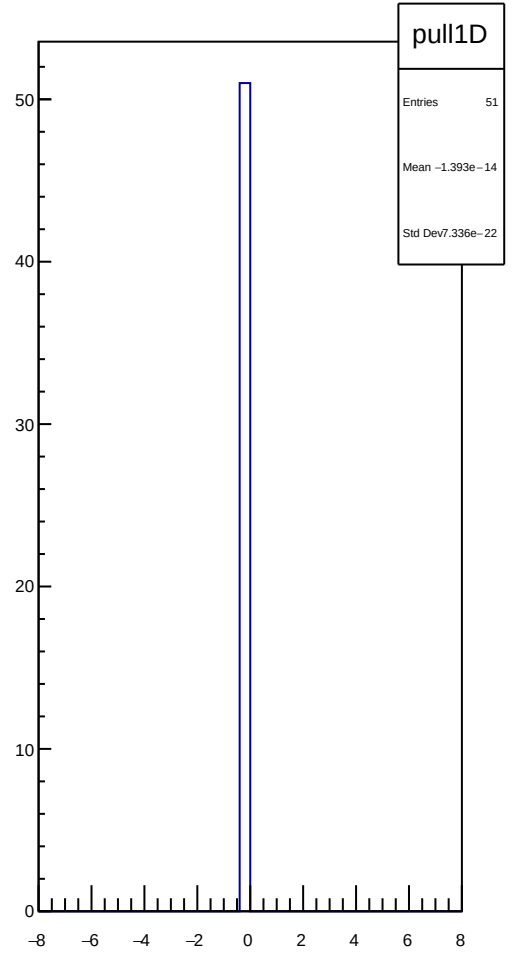

dit_sam4_11X12X_slope vs run
χ² / ndf 1.471e−28 / 50
p0 0.6541 ± 0.1007
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

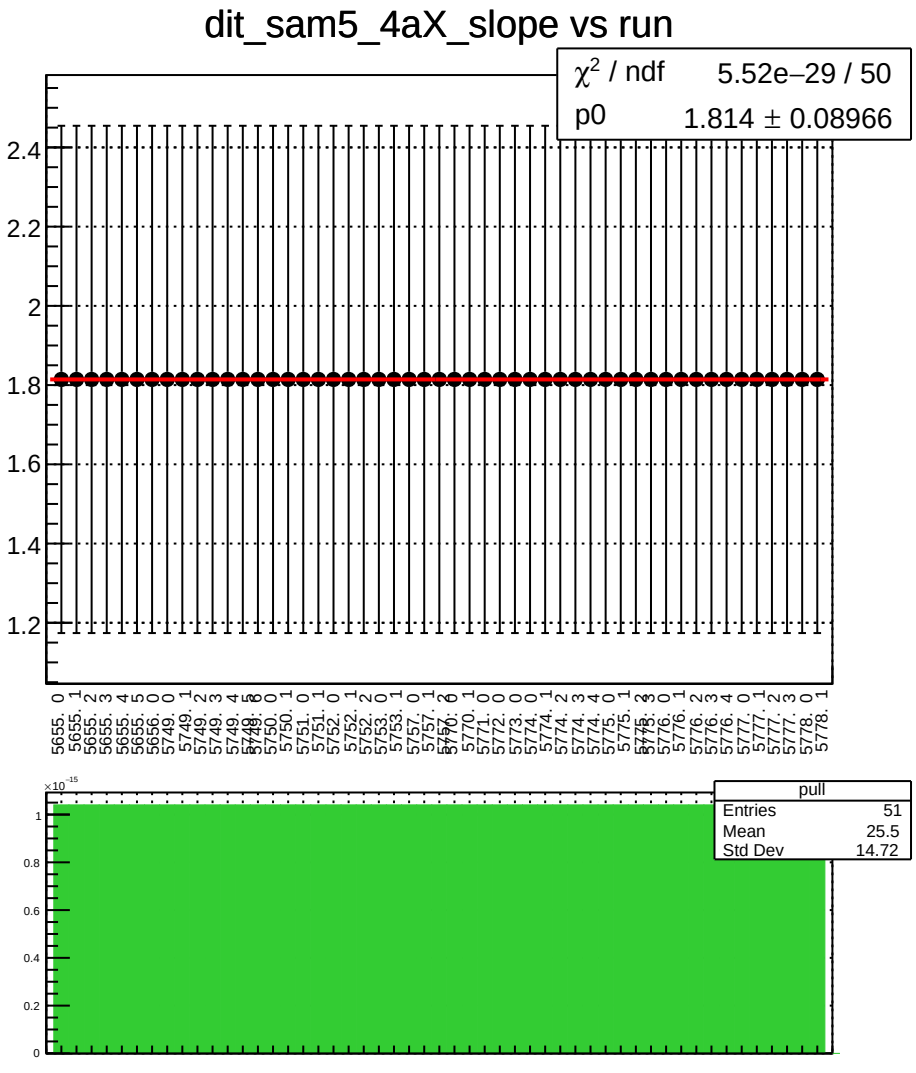

pull1D
Entries 51
Mean 1.698e−15
Std Dev 8.577e−23

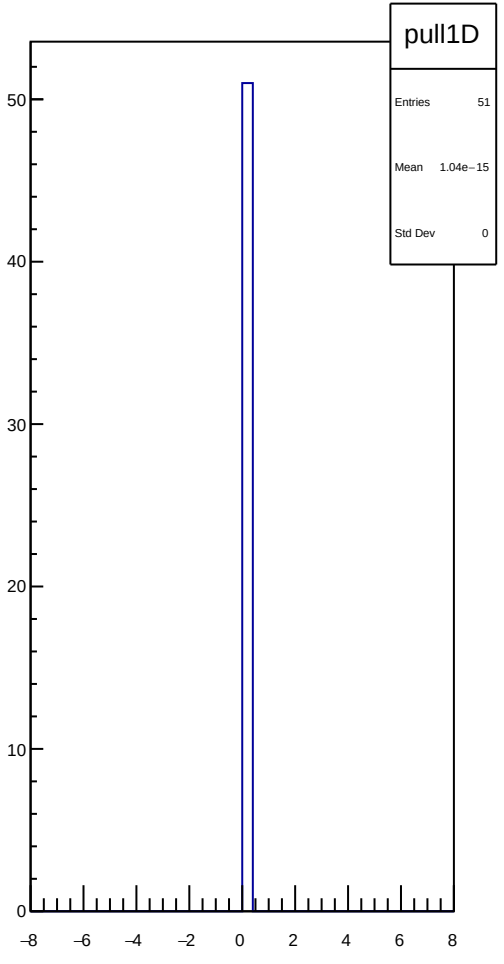

dit_sam4_4aY_slope vs run
χ² / ndf 1.888e−28 / 50
p0 2.581 ± 0.1939
pull
Entries 51
Mean 25.5
Std Dev 14.72

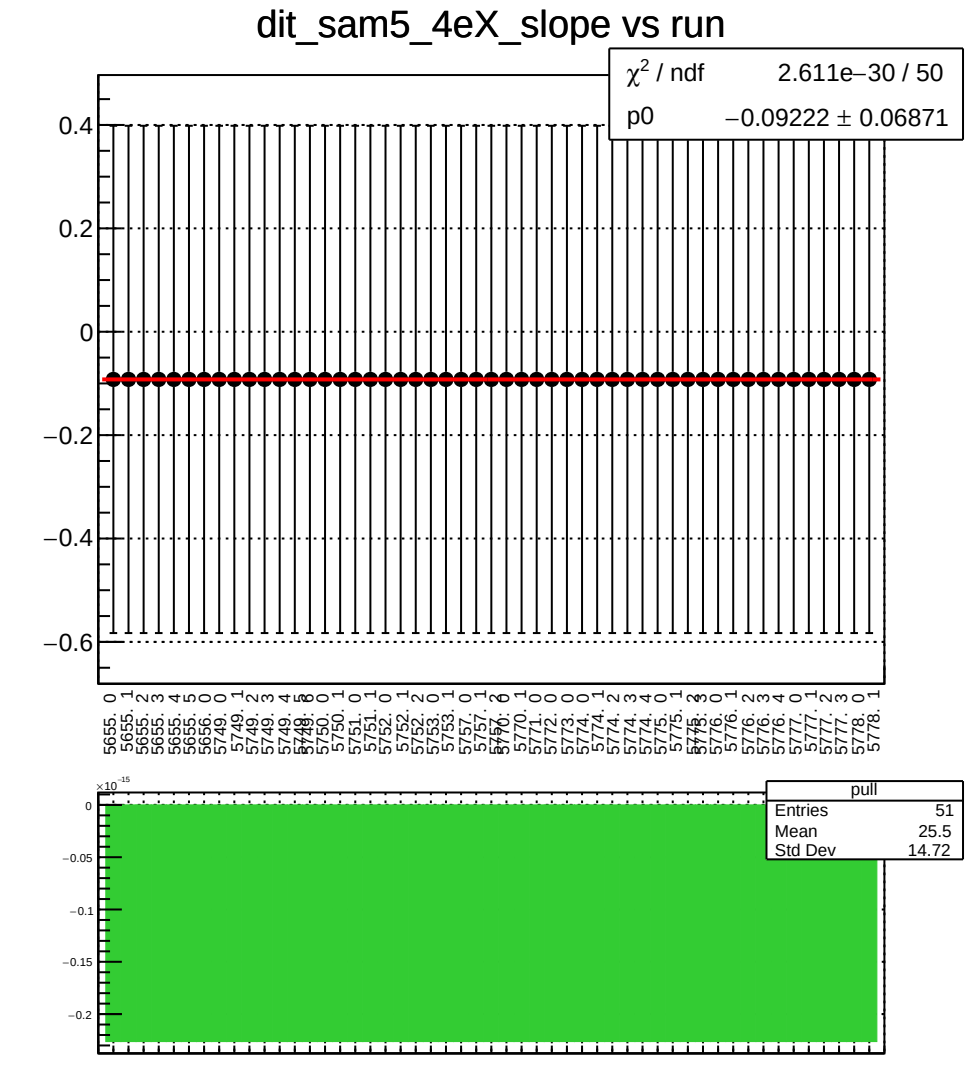

pull1D
Entries 51
Mean 1.924e−15
Std Dev 8.37e−23

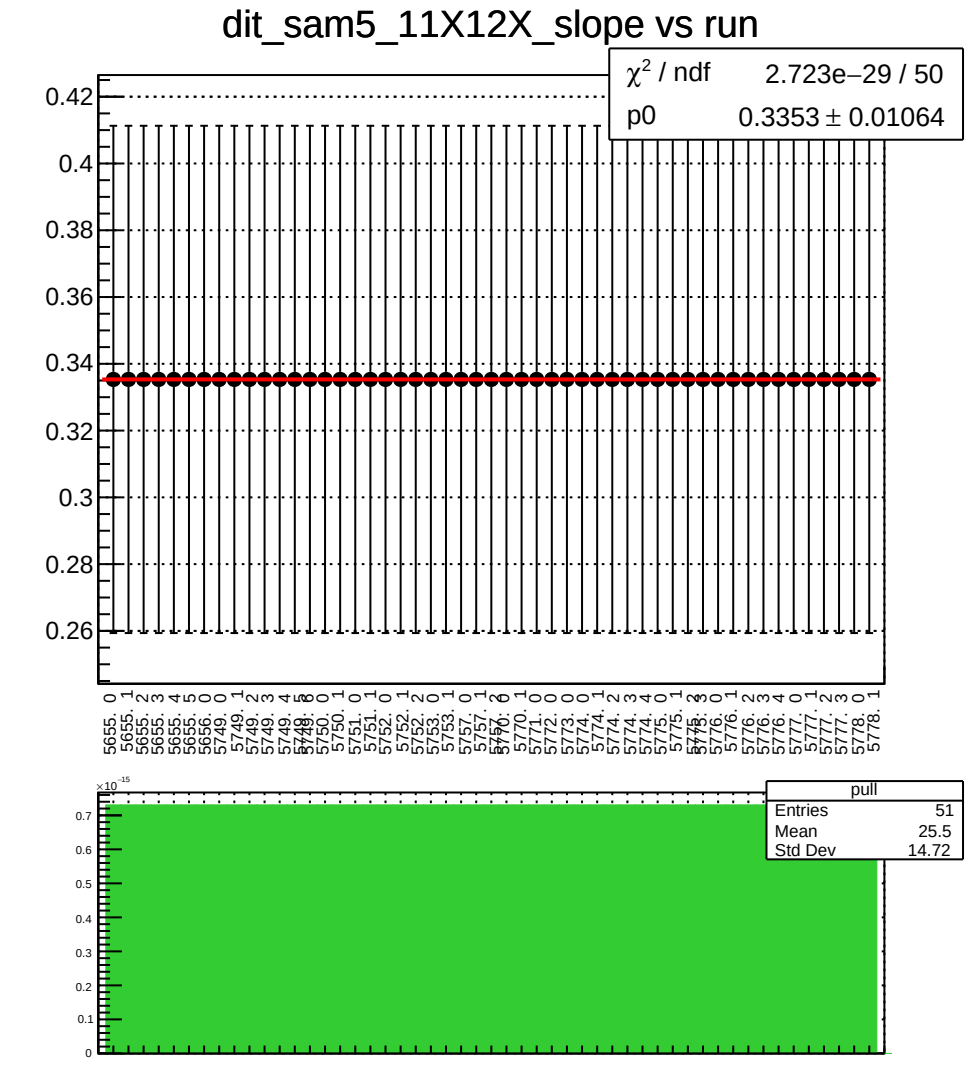

dit_sam4_4eY_slope vs run
χ² / ndf 9.9e−27 / 50
p0 155.5 ± 0.2856
157.5
157
156.5
156
155.5
155
154.5
154
153.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

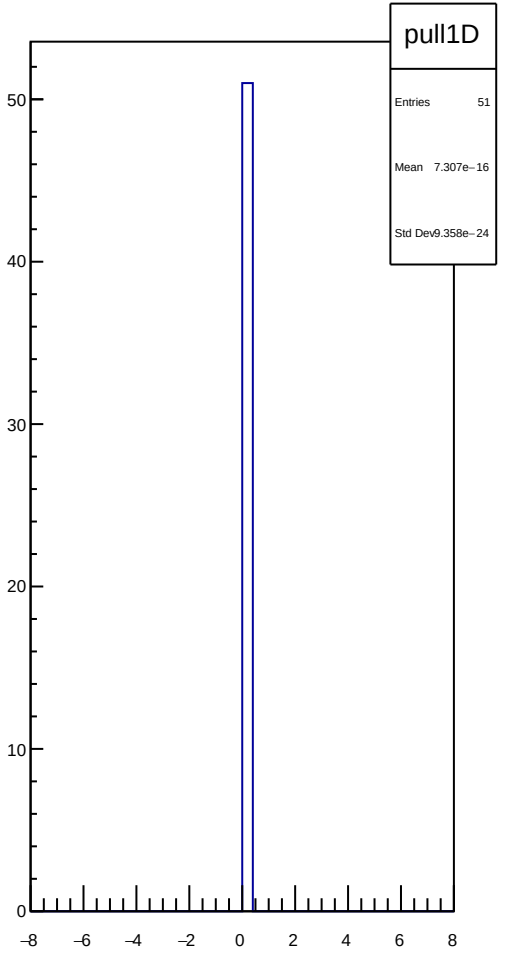

pull1D
Entries 51
Mean −1.393e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

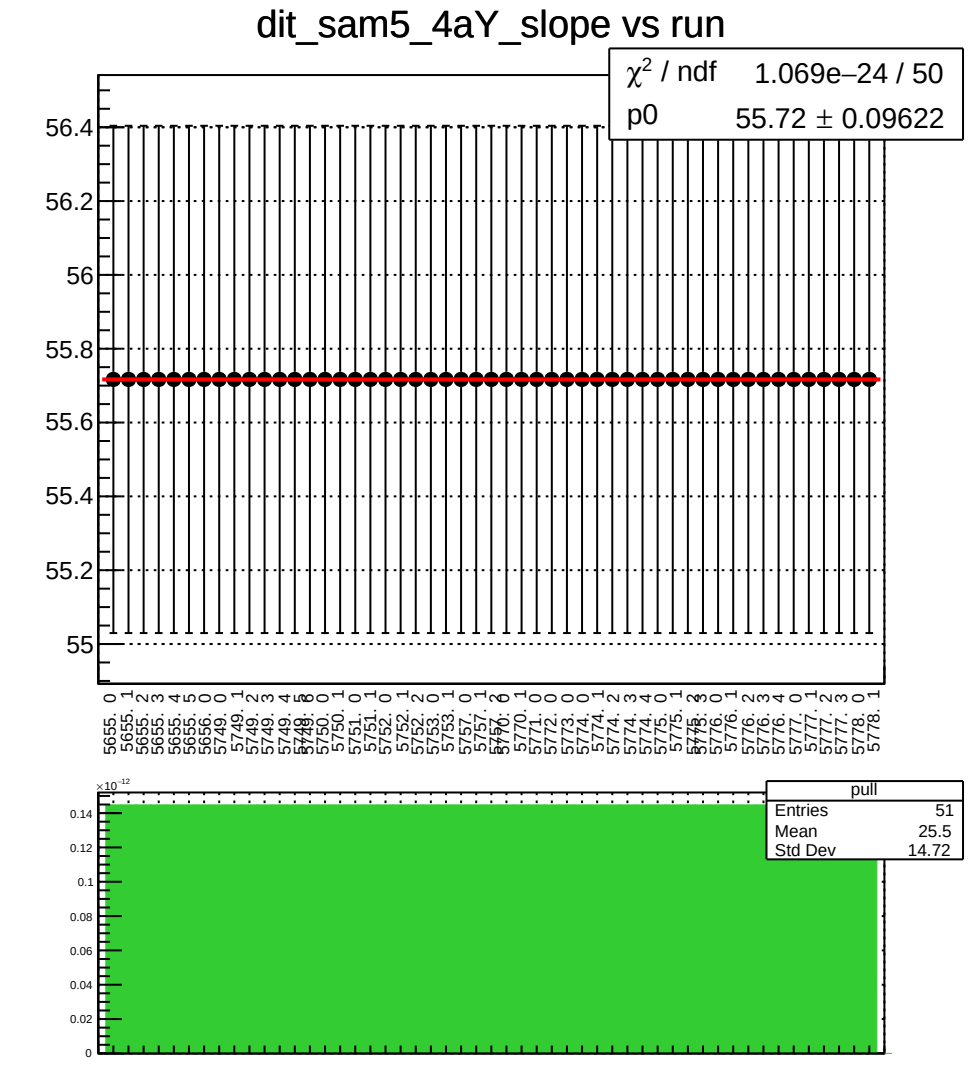

dit_sam5_4aX_slope vs run
χ² / ndf 5.52e−29 / 50
p0 1.814 ± 0.08966
pull
Entries 51
Mean 25.5
Std Dev 14.72

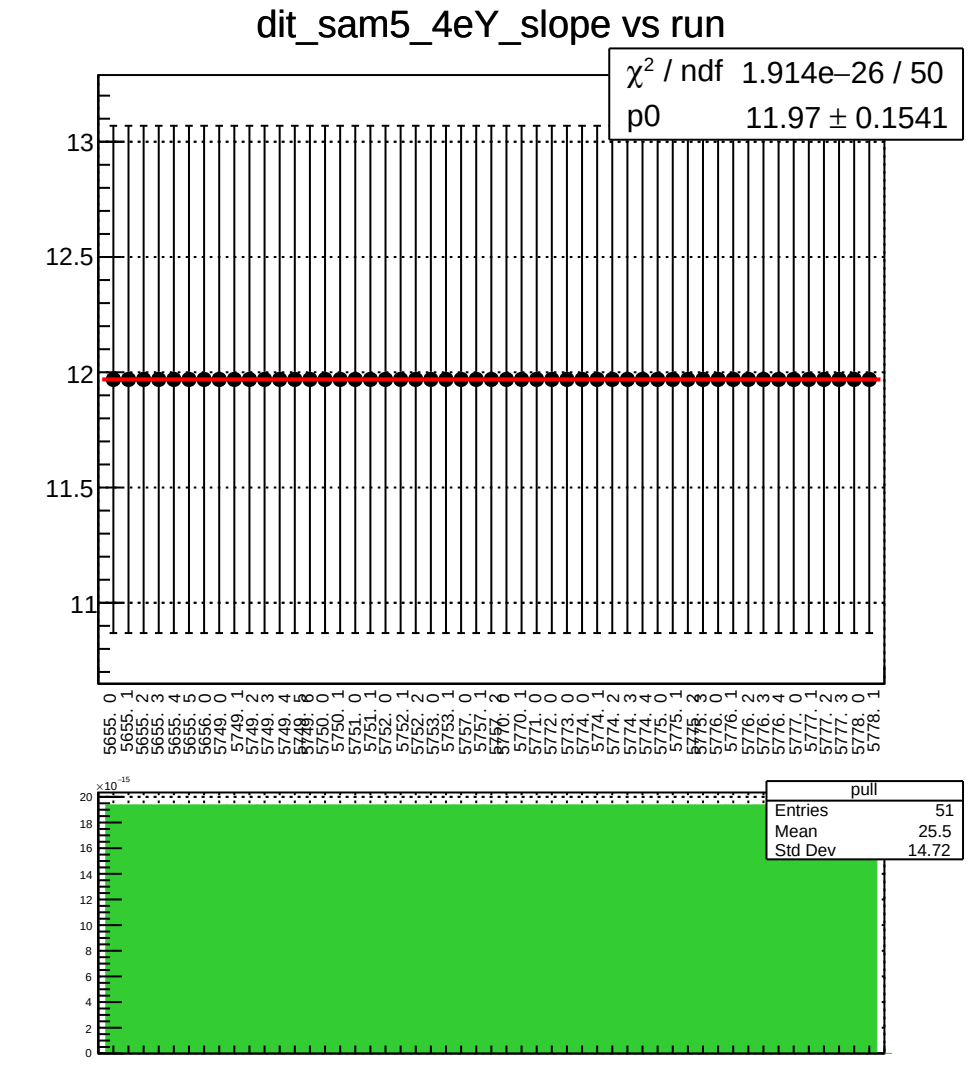

pull1D
Entries 51
Mean 1.04e−15
Std Dev 0

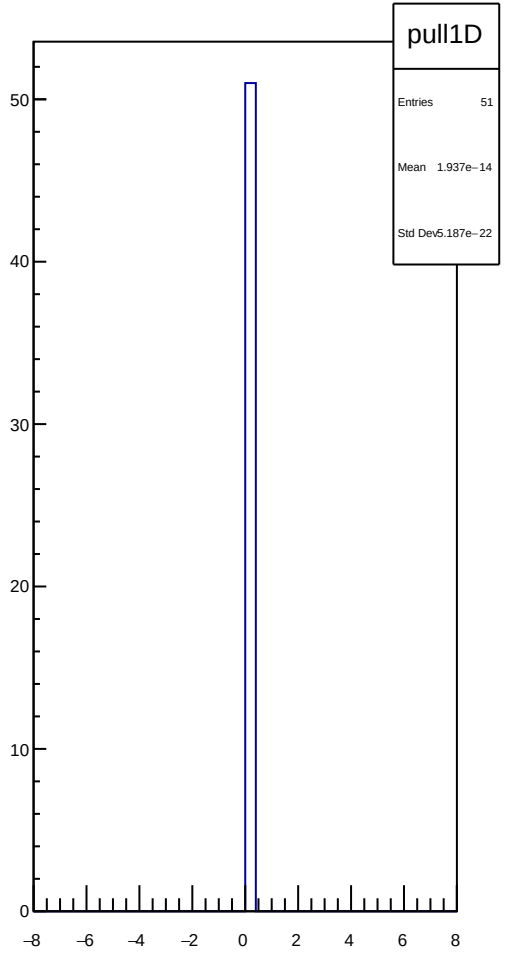

dit_sam5_4eX_slope vs run
χ² / ndf 2.611e−30 / 50
p0 −0.09222 ± 0.06871
0.4
0.2
0
−0.2
−0.4
−0.6
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻�15
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −2.263e−16
Std Dev1.193e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

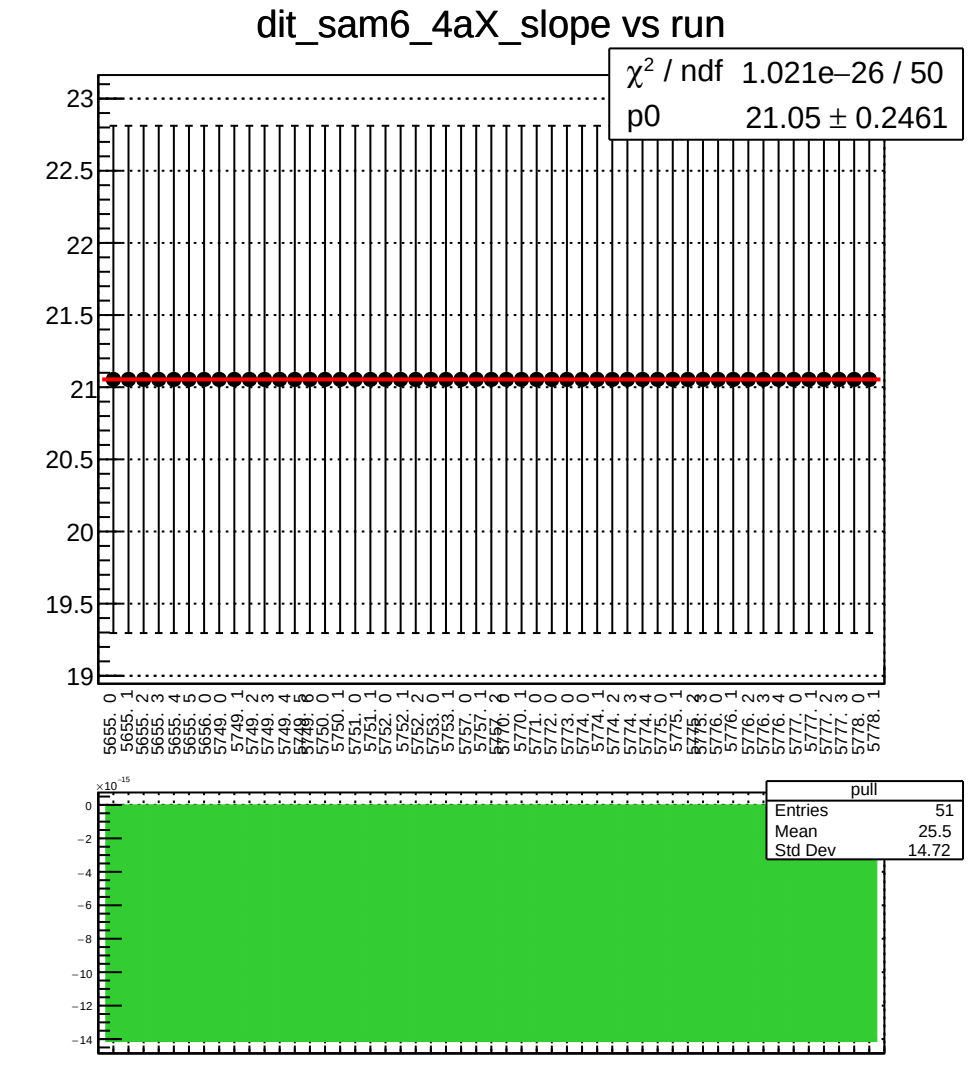

dit_sam5_11X12X_slope vs run
χ² / ndf 2.723e−29 / 50
p0 0.3353 ± 0.01064
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

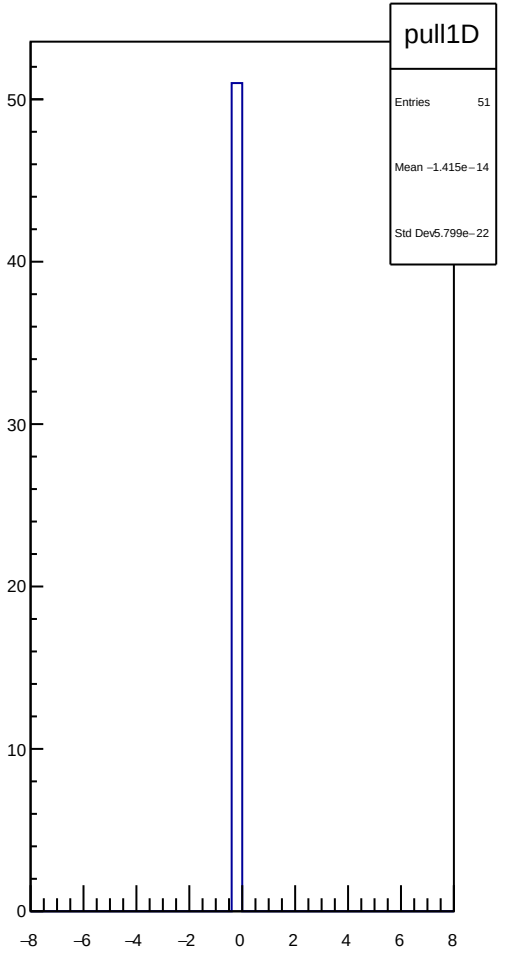

pull1D
Entries 51
Mean 7.307e−16
Std Dev 9.358e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

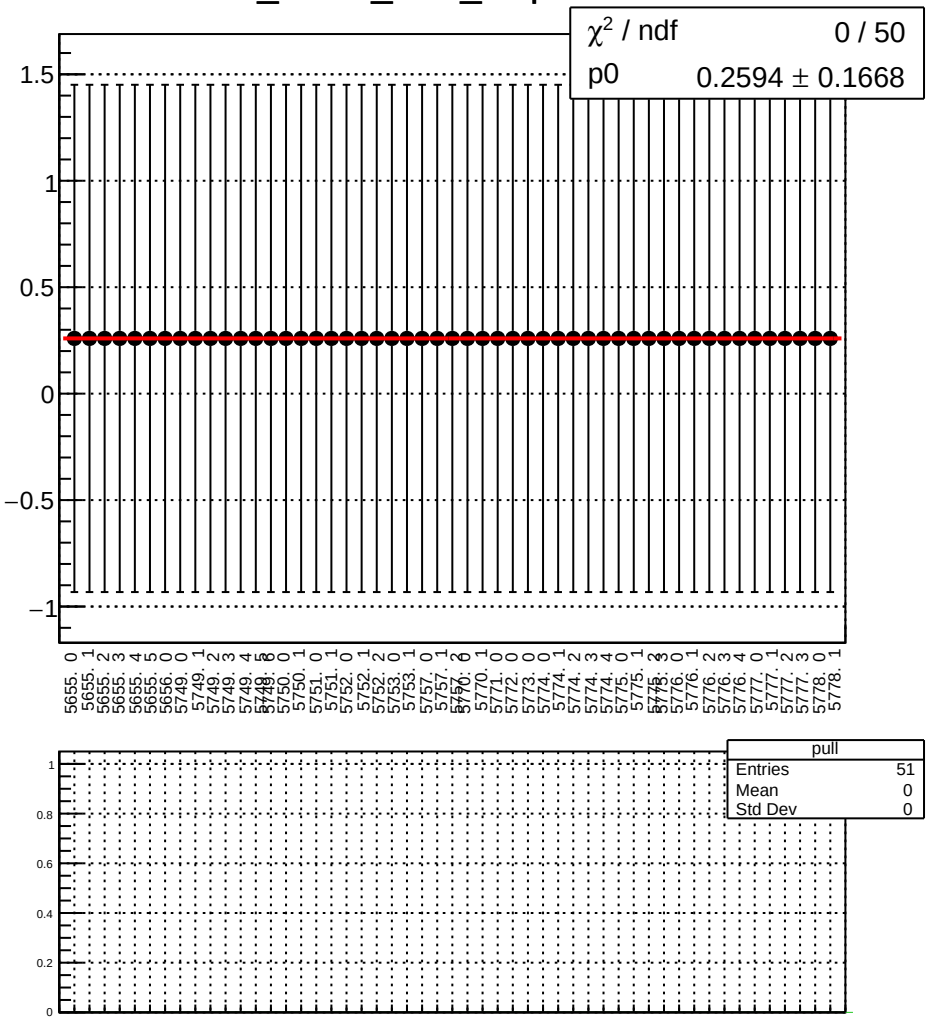

dit_sam5_4aY_slope vs run
χ² / ndf 1.069e−24 / 50
p0 55.72 ± 0.09622
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 1.448e−13
Std Dev 4.15e−21

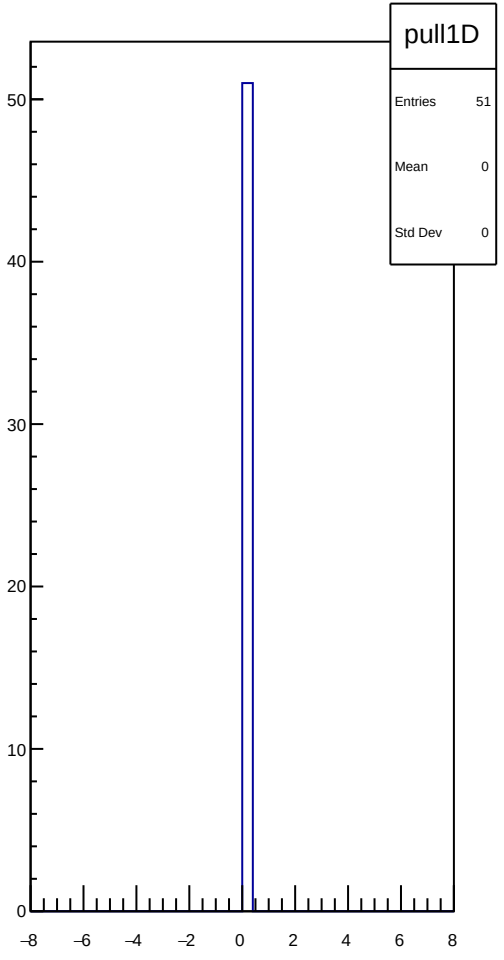

dit_sam5_4eY_slope vs run
χ² / ndf 1.914e−26 / 50
p0 11.97 ± 0.1541
13
12.5
12
11.5
11
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

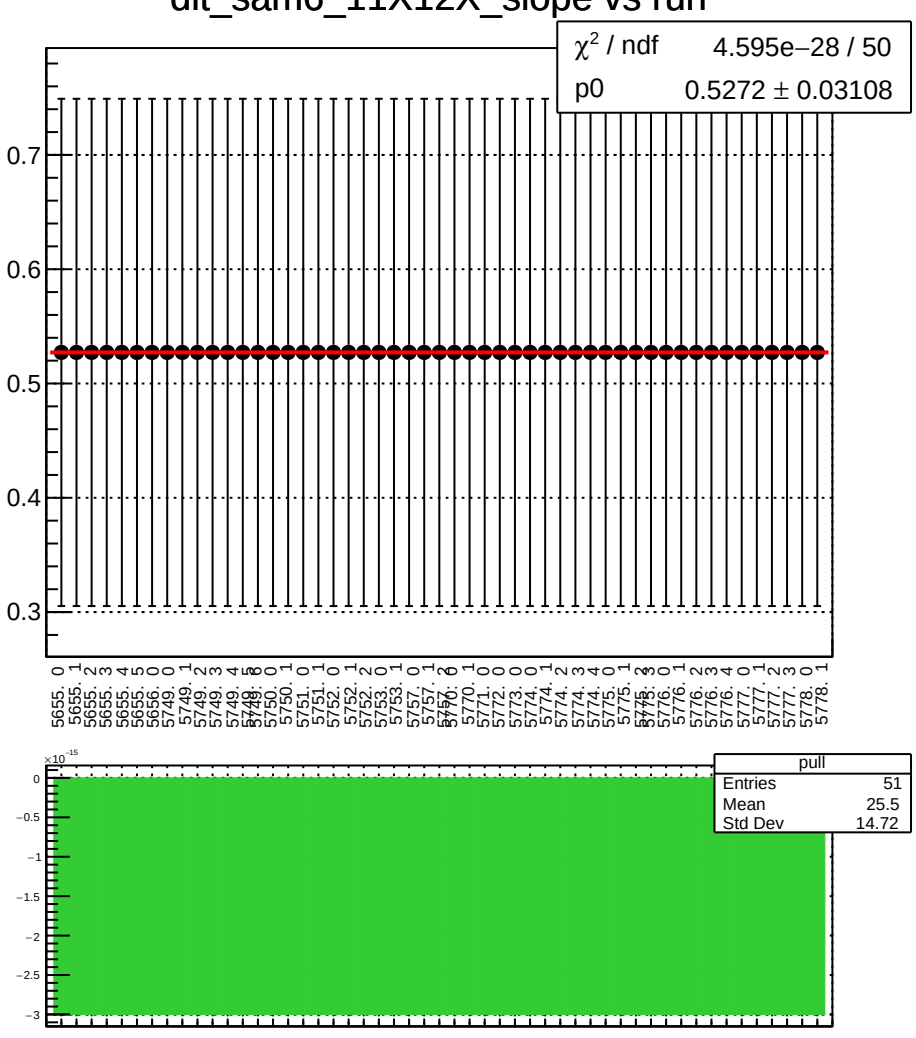

pull1D
Entries 51
Mean 1.937e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

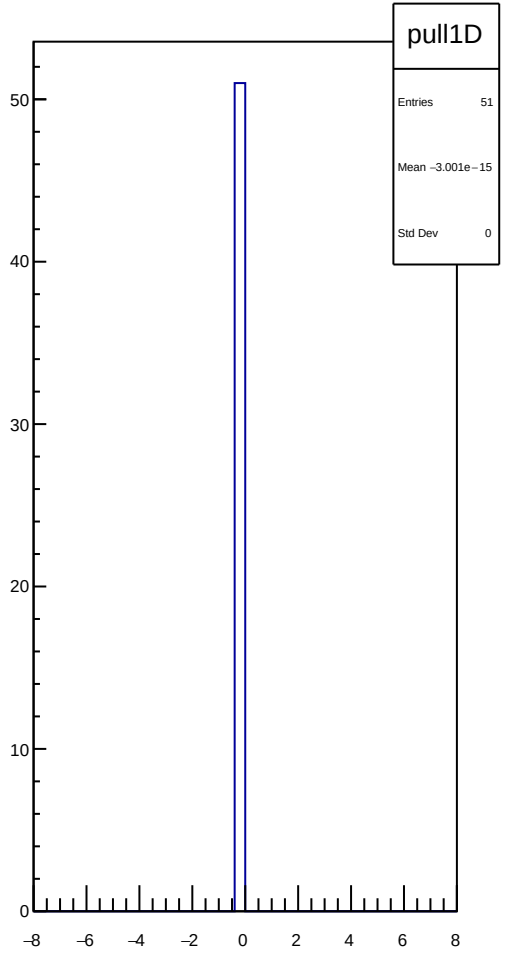

dit_sam6_4aX_slope vs run
χ² / ndf 1.021e−26 / 50
p0 21.05 ± 0.2461
pull
Entries 51
Mean 25.5
Std Dev 14.72

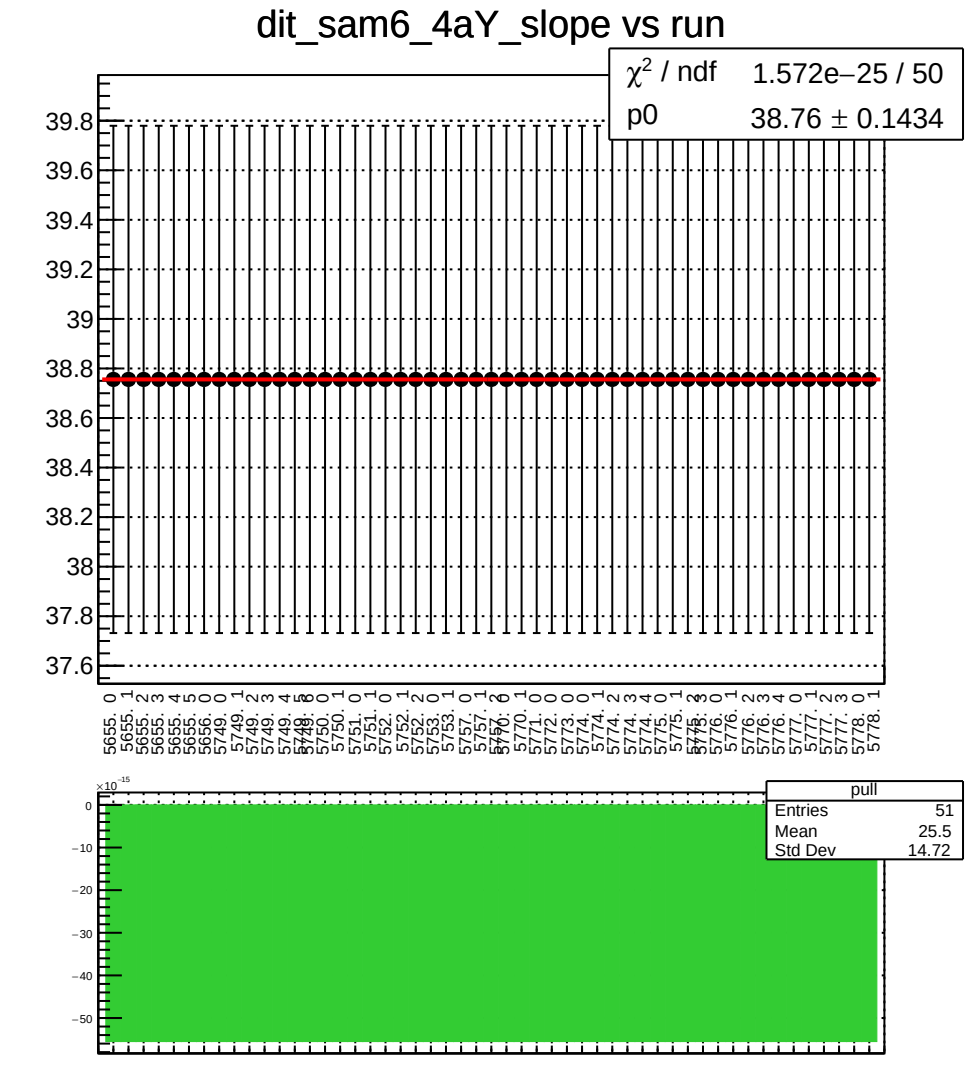

pull1D
Entries 51
Mean −1.415e−14
Std Dev 5.799e−22

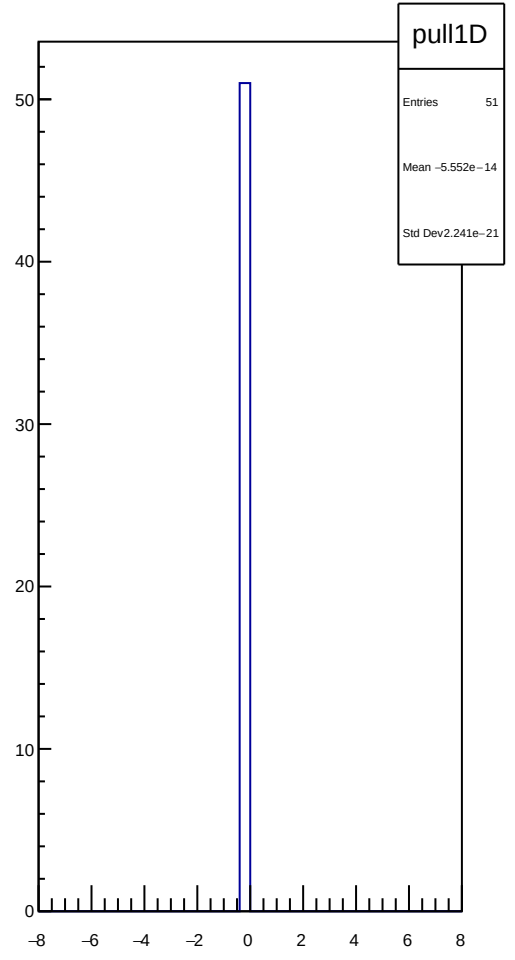

dit_sam6_4eX_slope vs run
χ² / ndf 0 / 50
p0 0.2594 ± 0.1668
pull
Entries 51
Mean 0
Std Dev 0

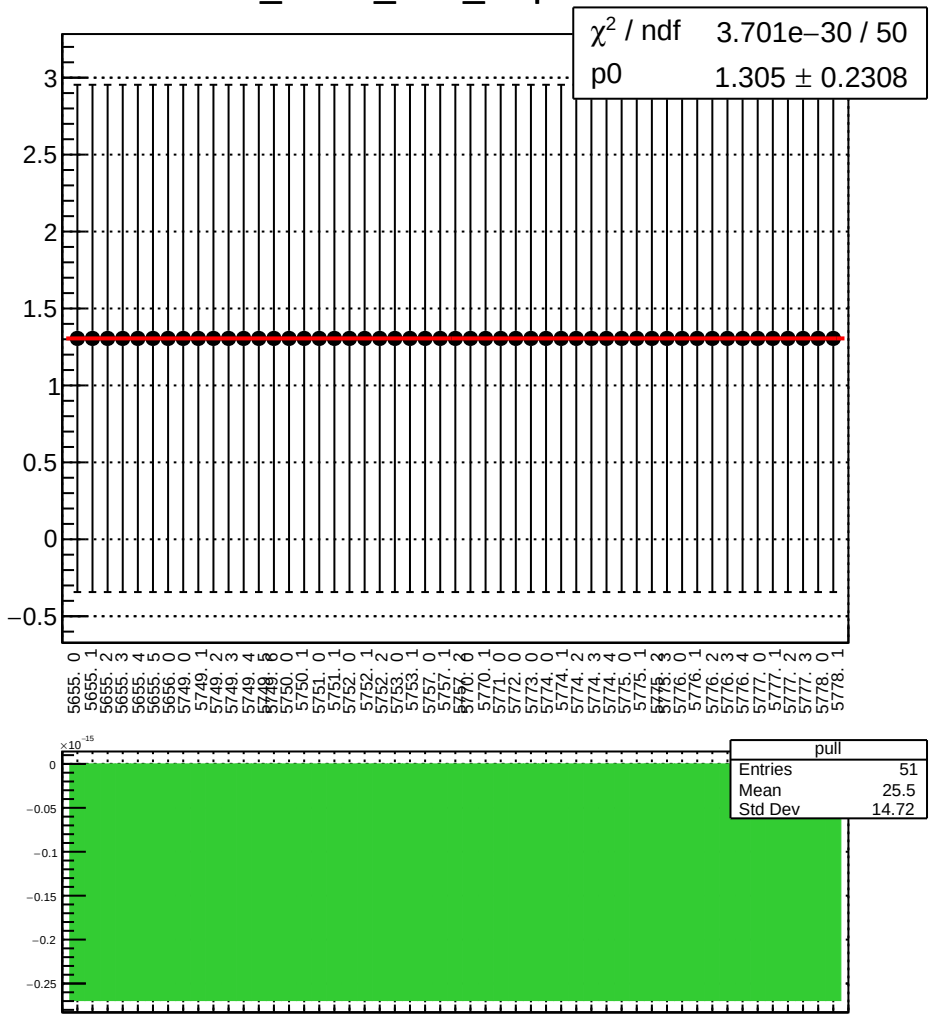

pull1D
Entries 51
Mean 0
Std Dev 0

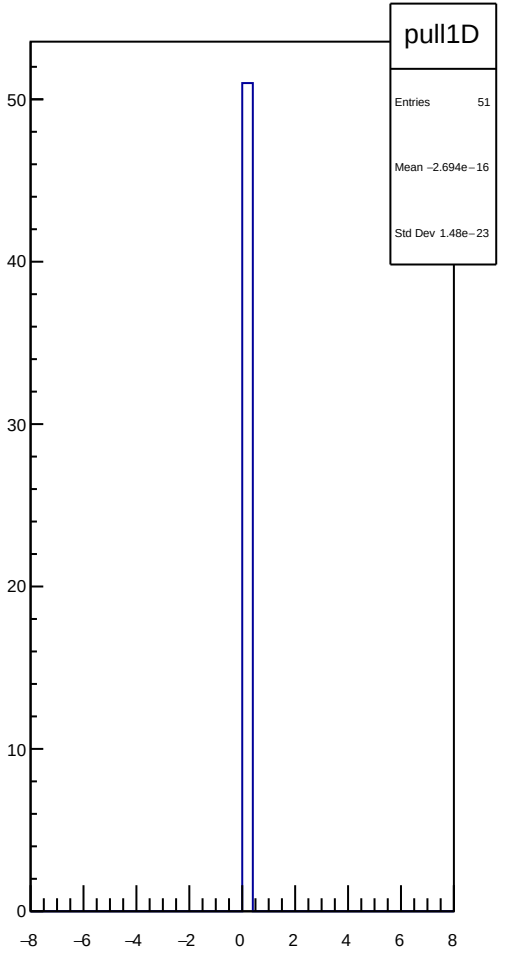

dit_sam6_11X12X_slope vs run
χ² / ndf 4.595e−28 / 50
p0 0.5272 ± 0.03108
0.7
0.6
0.5
0.4
0.3
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

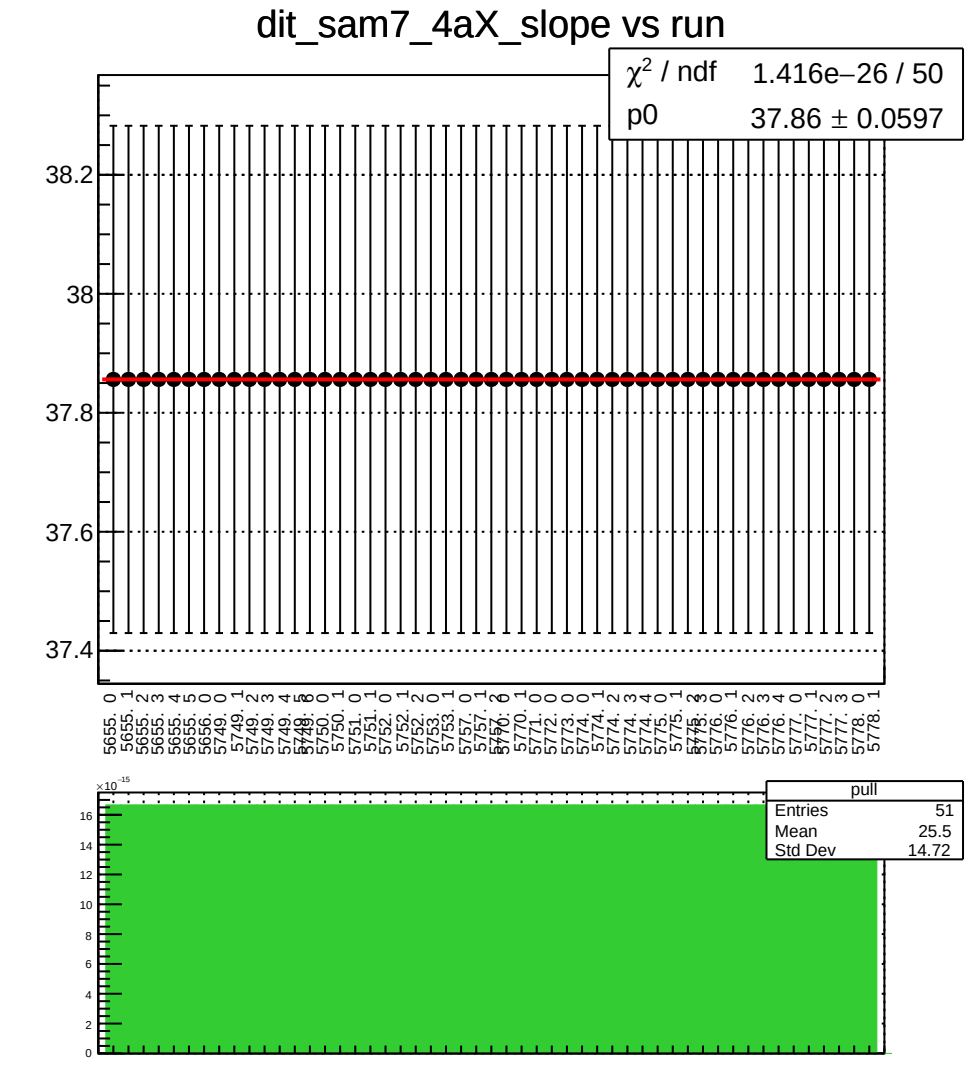

pull1D
Entries 51
Mean −3.001e−15
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

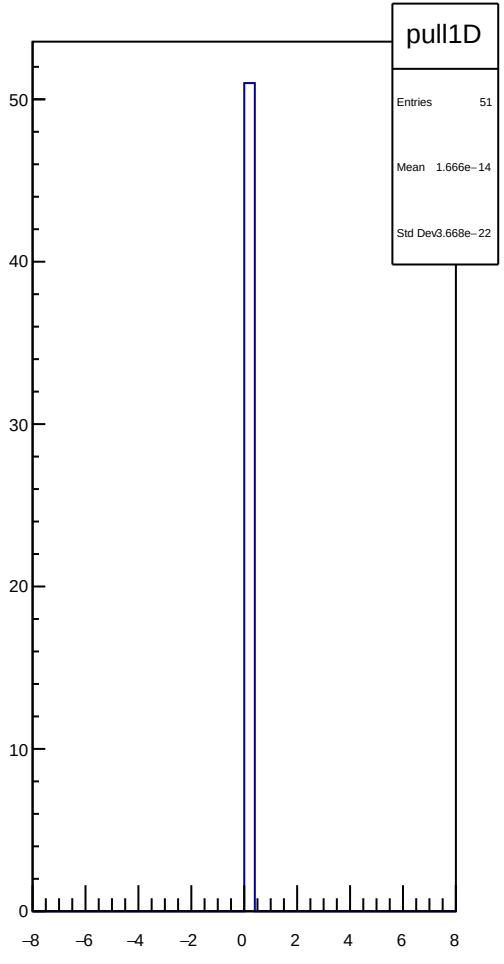

dit_sam6_4aY_slope vs run
χ² / ndf 1.572e−25 / 50
p0 38.76 ± 0.1434
pull
Entries 51
Mean 25.5
Std Dev 14.72

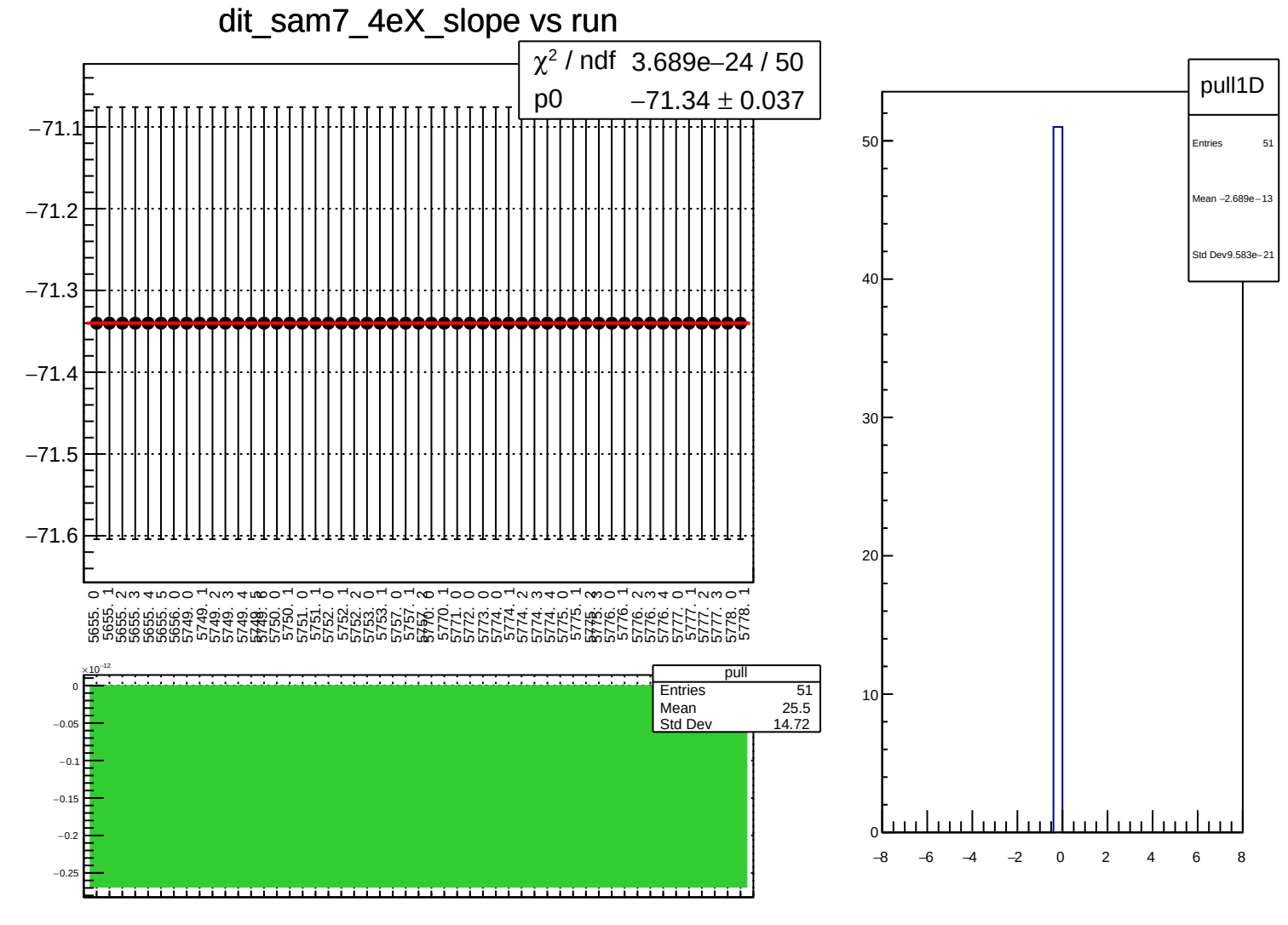

pull1D
Entries 51
Mean −5.552e−14
Std Dev2.241e−21

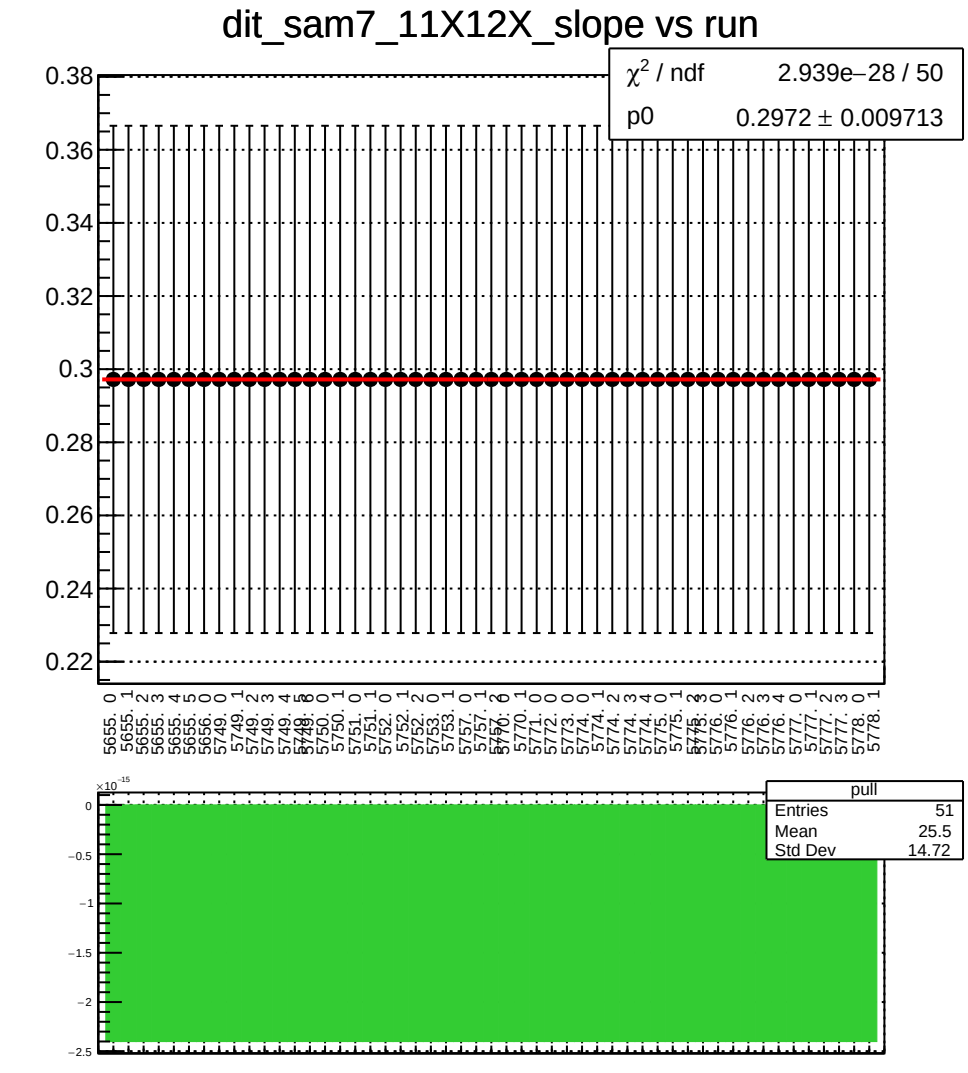

dit_sam6_4eY_slope vs run
χ² / ndf 3.701e−30 / 50
p0 1.305 ± 0.2308
pull
Entries 51
Mean 25.5
Std Dev 14.72

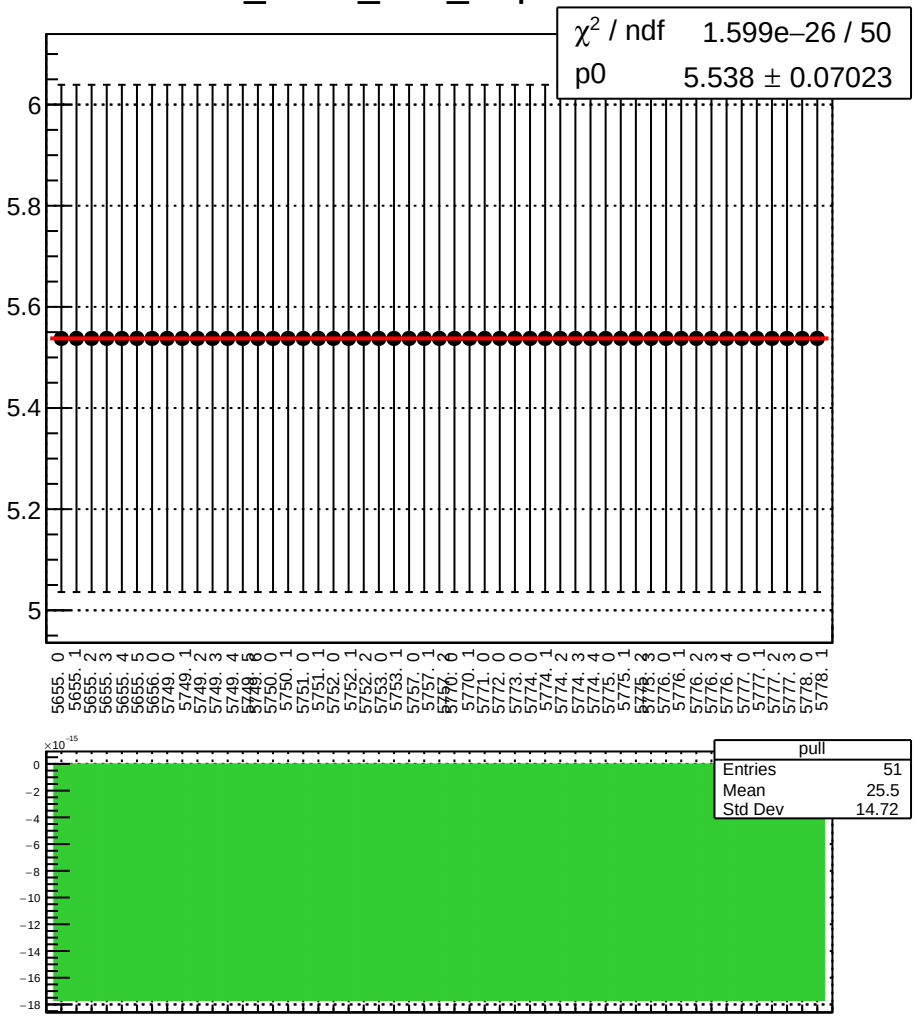

pull1D
Entries 51
Mean −2.694e−16
Std Dev 1.48e−23

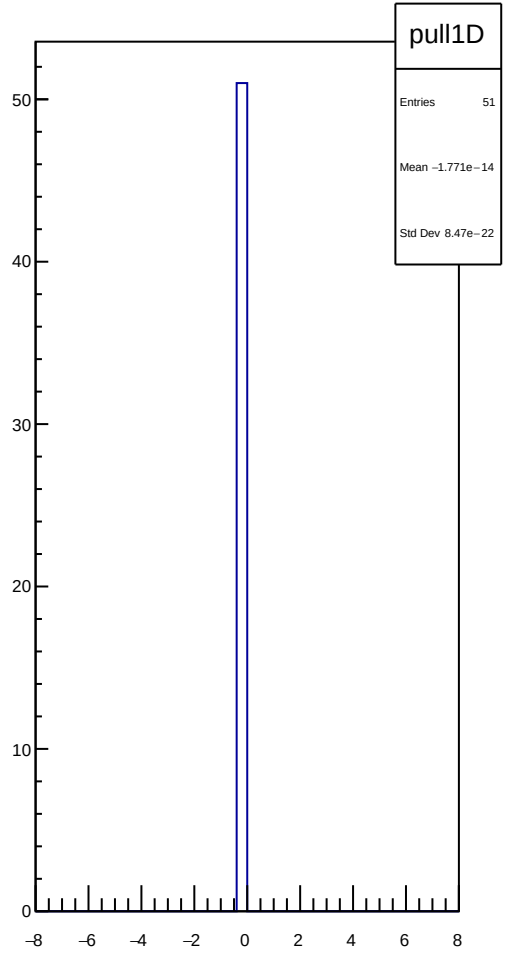

dit_sam7_4aX_slope vs run
χ² / ndf 1.416e−26 / 50
p0 37.86 ± 0.0597
38.2
38
37.8
37.6
37.4
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

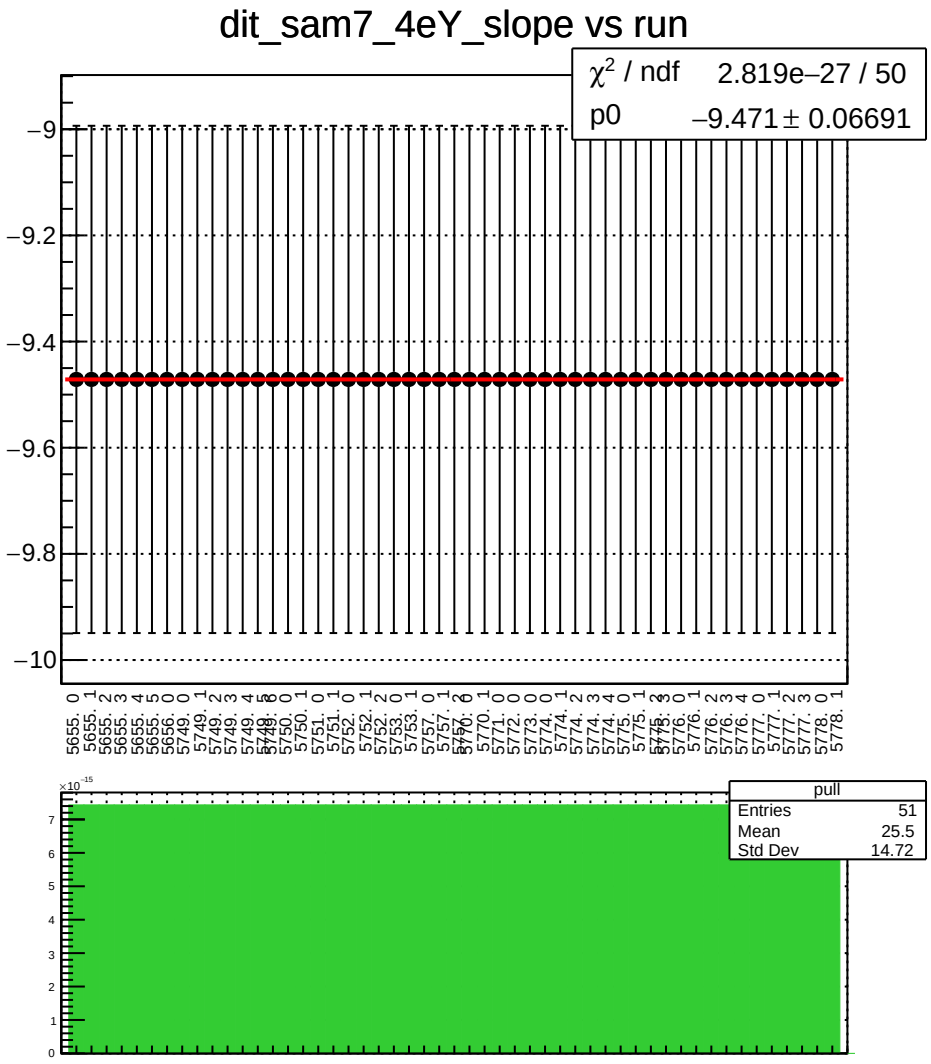

pull1D
Entries 51
Mean 1.666e−14
Std Dev 3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

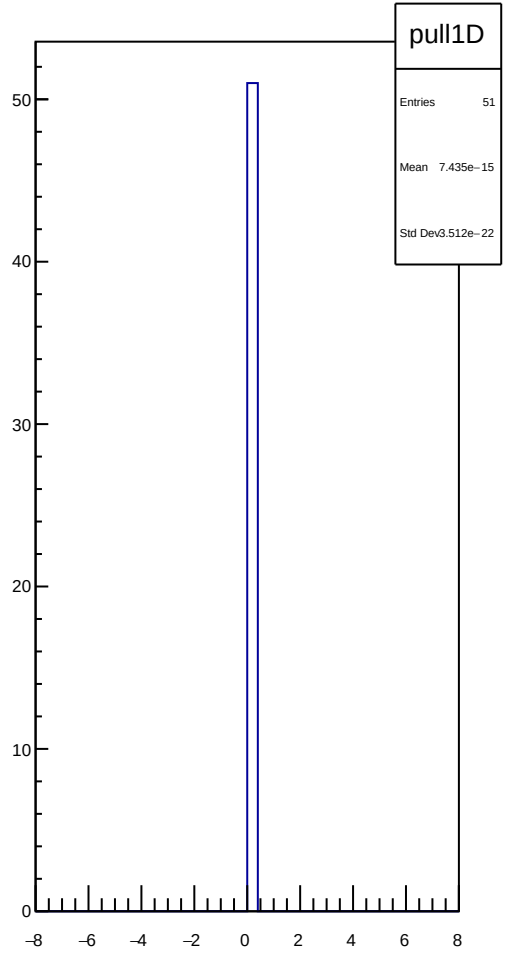

dit_sam7_4eX_slope vs run
χ² / ndf 3.689e−24 / 50
p0 −71.34 ± 0.037
−71.1
−71.2
−71.3
−71.4
−71.5
−71.6
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −2.689e−13
Std Dev9.583e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

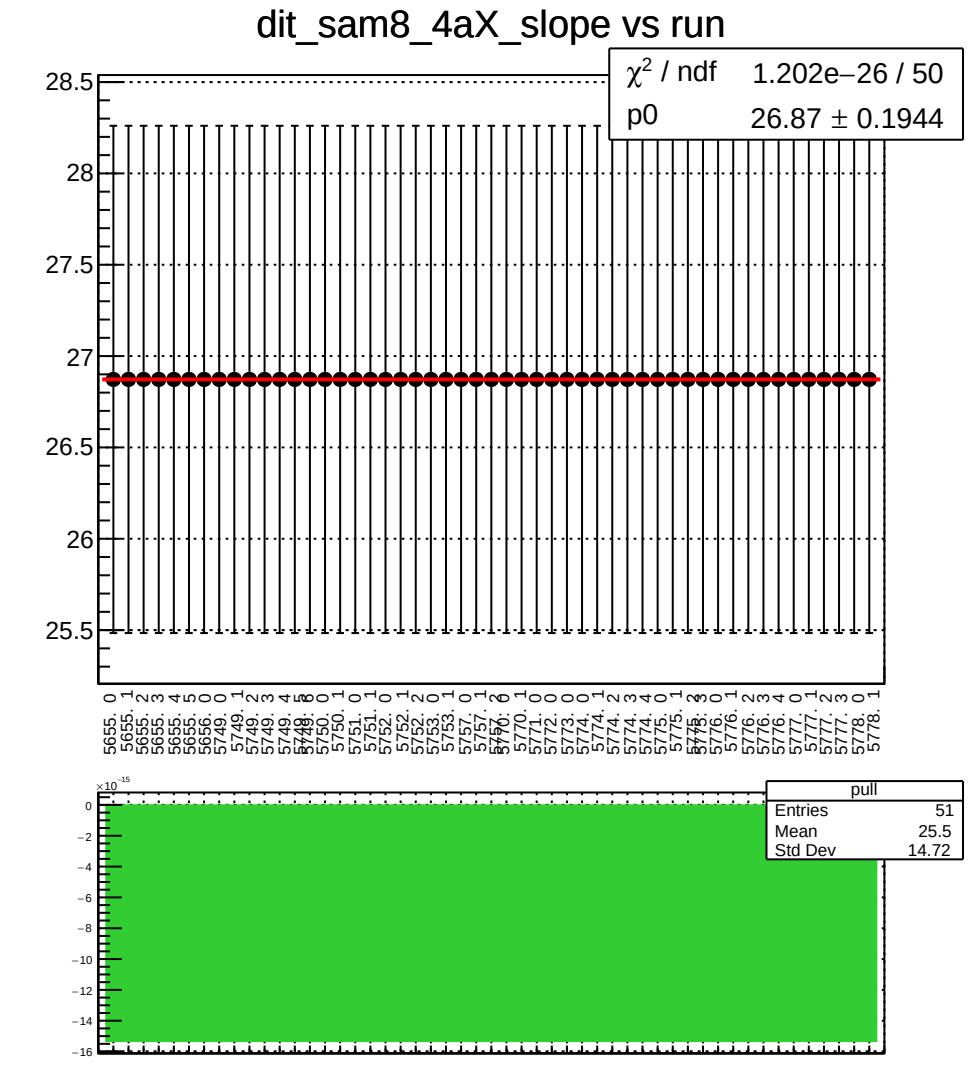

dit_sam7_11X12X_slope vs run
χ² / ndf 2.939e−28 / 50
p0 0.2972 ± 0.009713
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻�15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −2.401e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

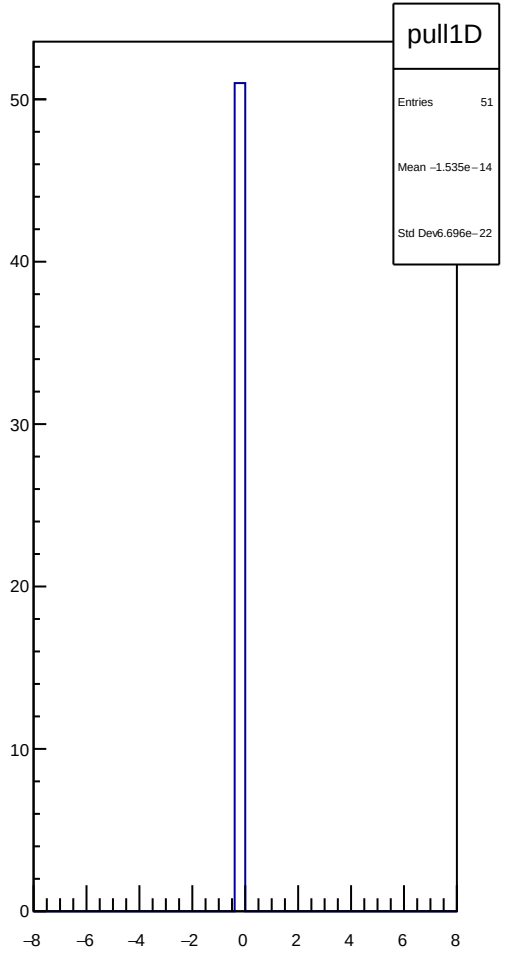

dit_sam7_4aY_slope vs run
χ² / ndf 1.599e−26 / 50
p0 5.538 ± 0.07023
pull
Entries 51
Mean 25.5
Std Dev 14.72

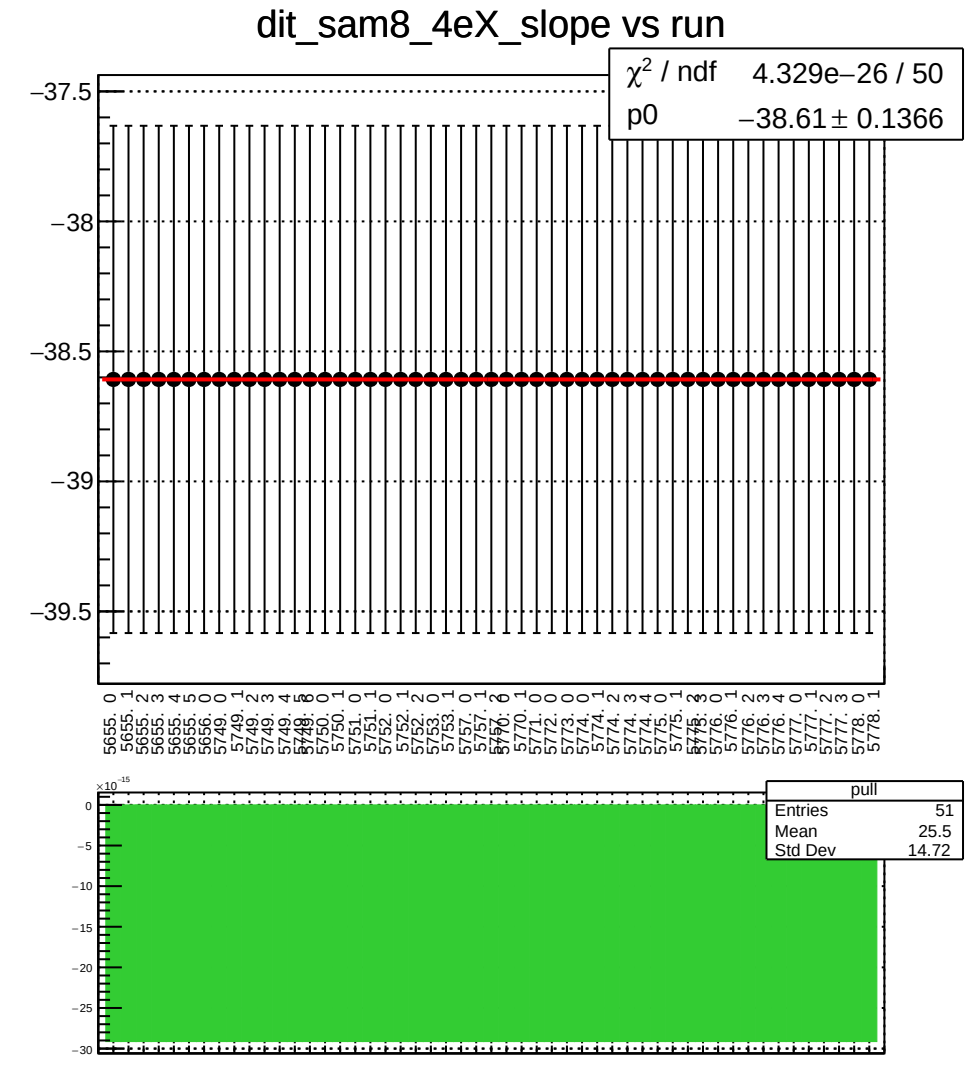

pull1D
Entries 51
Mean −1.771e−14
Std Dev 8.47e−22

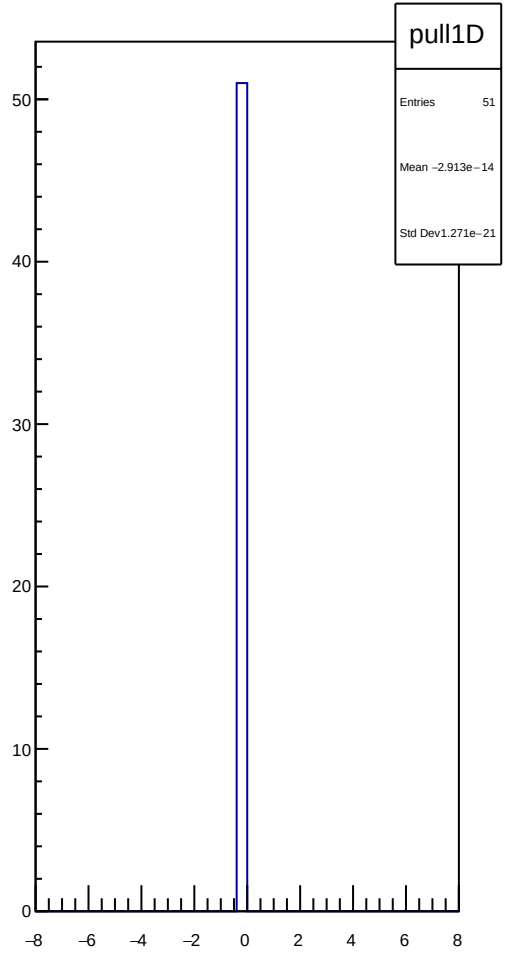

dit_sam7_4eY_slope vs run
χ² / ndf 2.819e−27 / 50
p0 −9.471 ± 0.06691
−9
−9.2
−9.4
−9.6
−9.8
−10
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

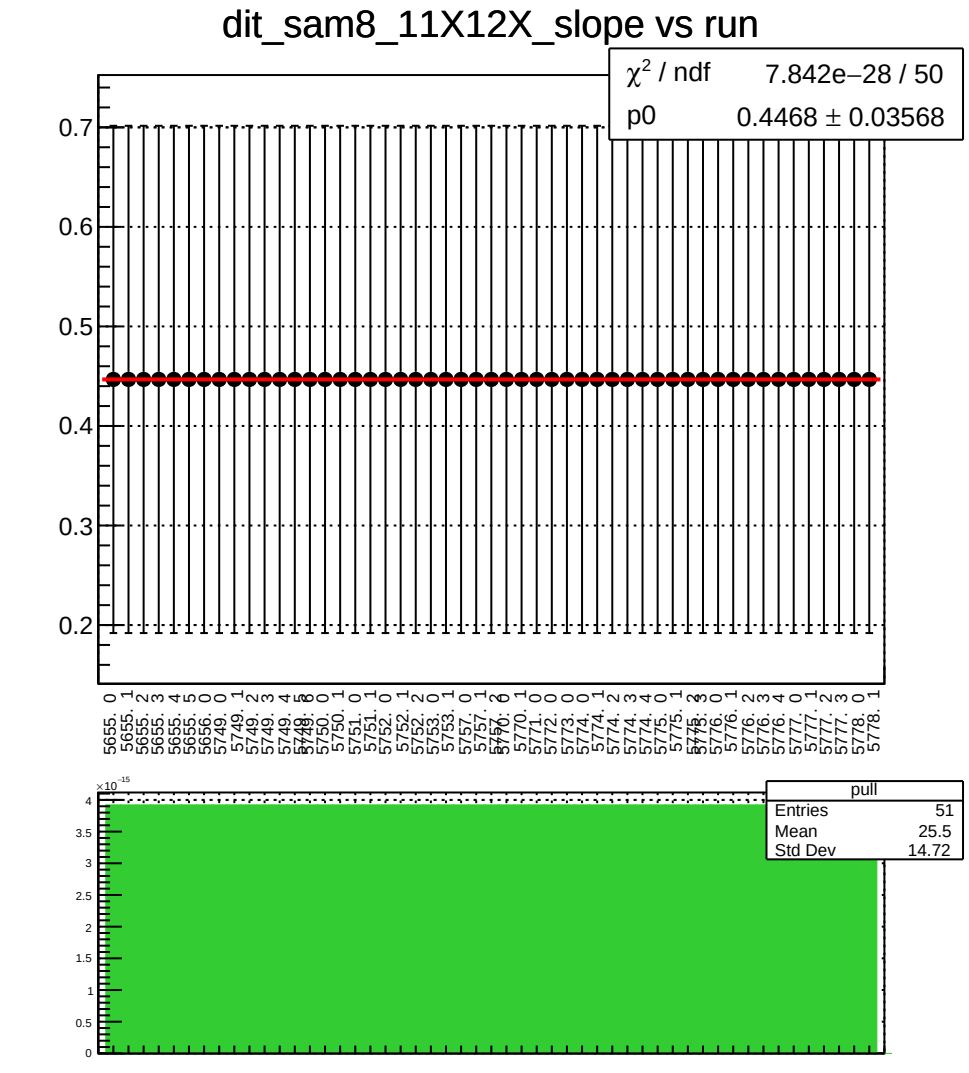

pull1D
Entries 51
Mean 7.435e−15
Std Dev3.512e−22

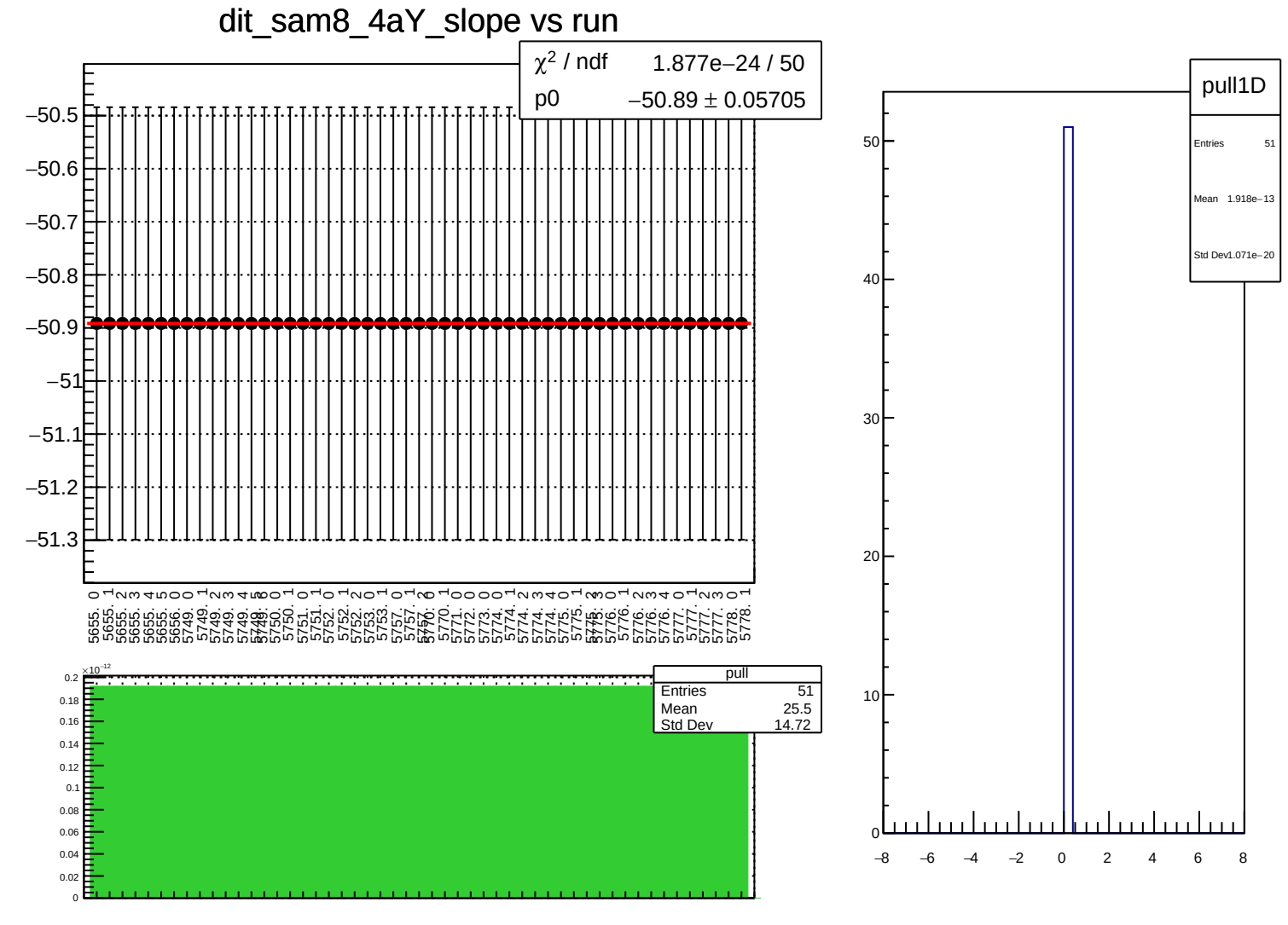

dit_sam8_4aX_slope vs run
χ² / ndf 1.202e−26 / 50
p0 26.87 ± 0.1944
28.5
28
27.5
27
26.5
26
25.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

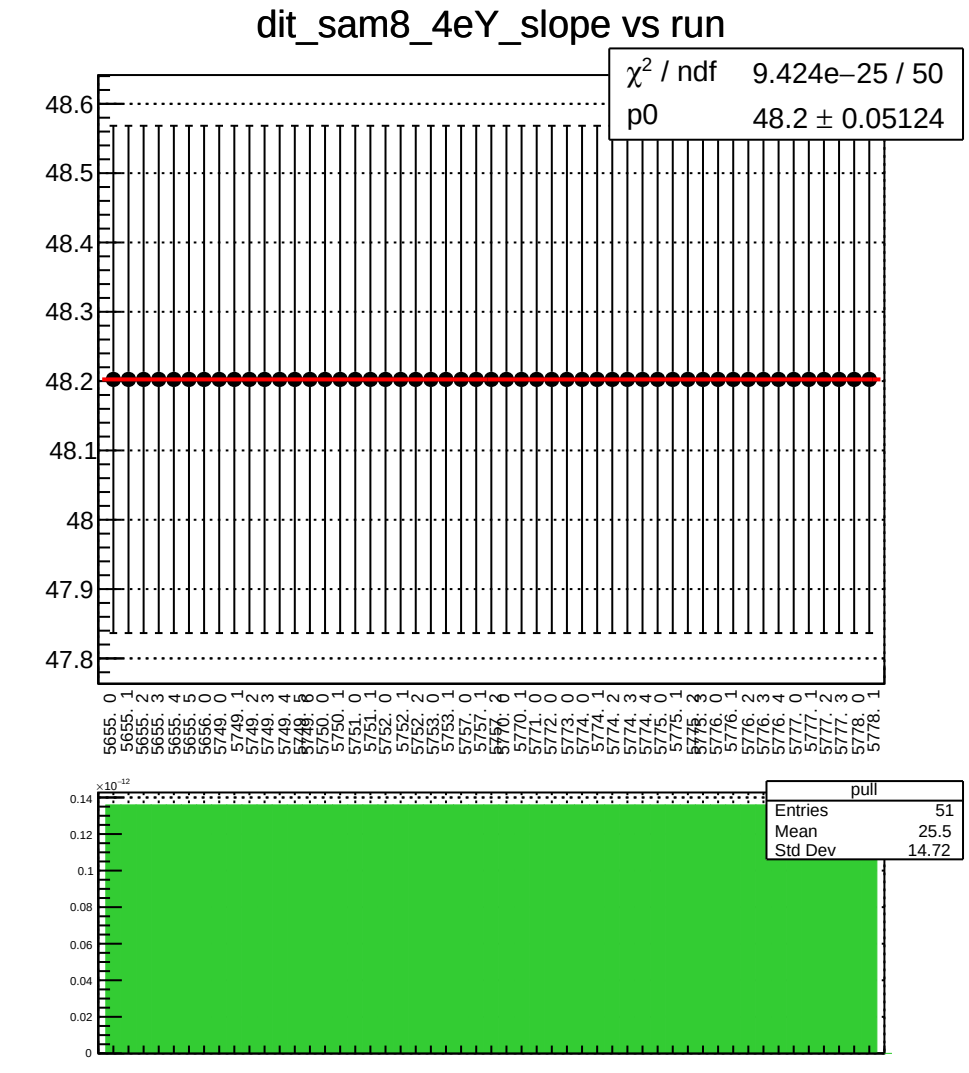

pull1D
Entries 51
Mean −1.535e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

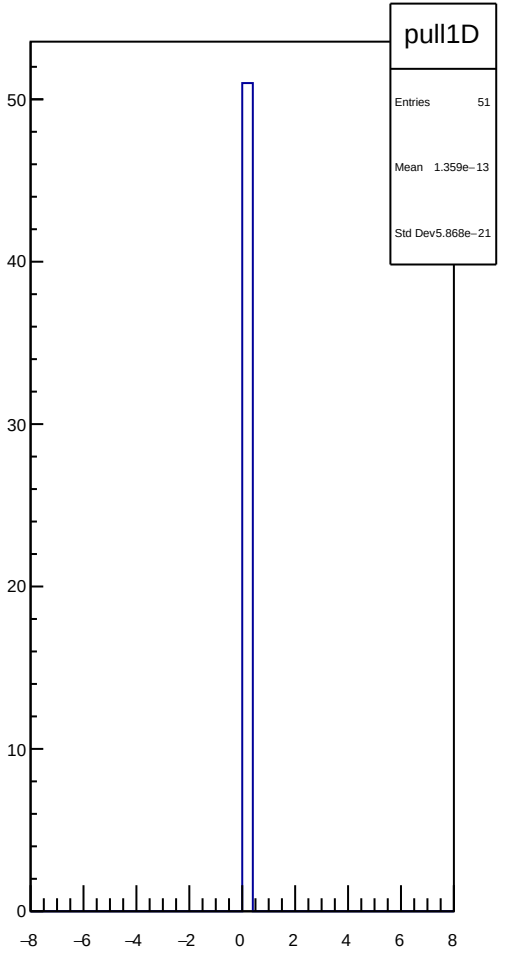

dit_sam8_4eX_slope vs run
χ² / ndf 4.329e−26 / 50
p0 −38.61 ± 0.1366
−37.5
−38
−38.5
−39
−39.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

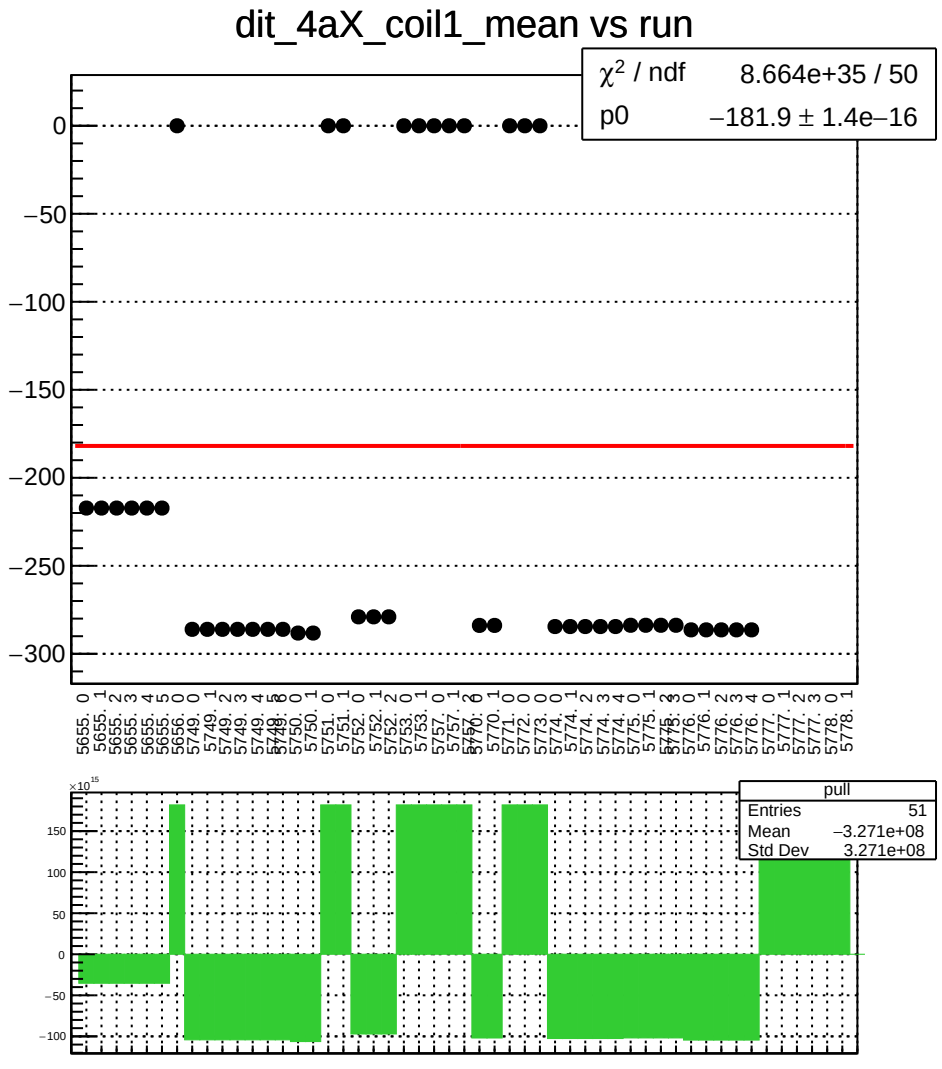

pull1D
Entries 51
Mean −2.913e−14
Std Dev1.271e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

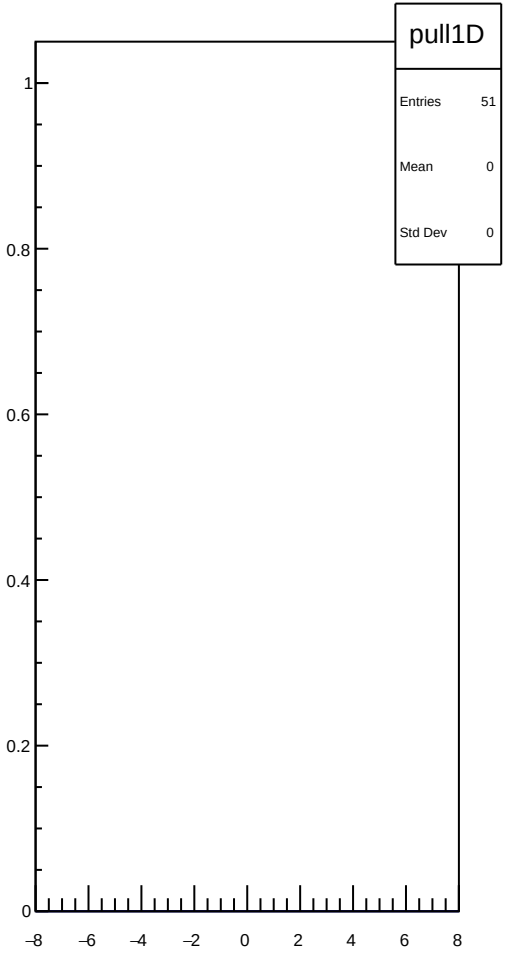

dit_sam8_11X12X_slope vs run
χ² / ndf 7.842e−28 / 50
p0 0.4468 ± 0.03568
0.7
0.6
0.5
0.4
0.3
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 3.921e−15
Std Dev 9.169e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

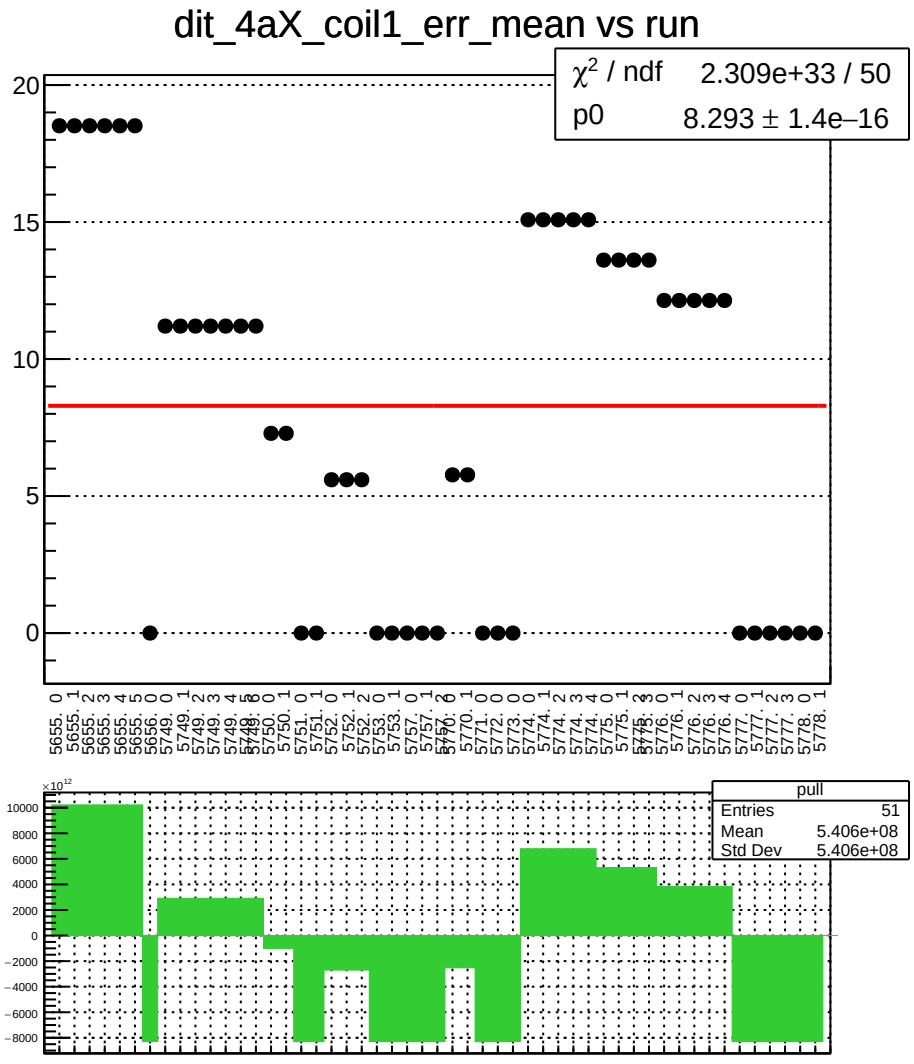

dit_sam8_4aY_slope vs run
χ² / ndf 1.877e−24 / 50
p0 −50.89 ± 0.05705
−50.5
−50.6
−50.7
−50.8
−50.9
−51
−51.1
−51.2
−51.3
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 51
Mean 1.918e−13
Std Dev1.071e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

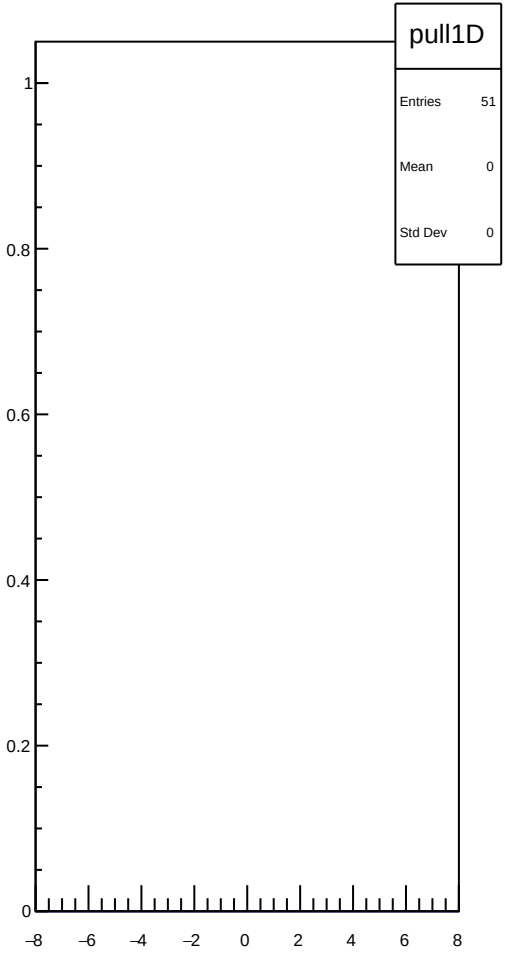

dit_sam8_4eY_slope vs run
χ² / ndf 9.424e−25 / 50
p0 48.2 ± 0.05124
48.6
48.5
48.4
48.3
48.2
48.1
48
47.9
47.8
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

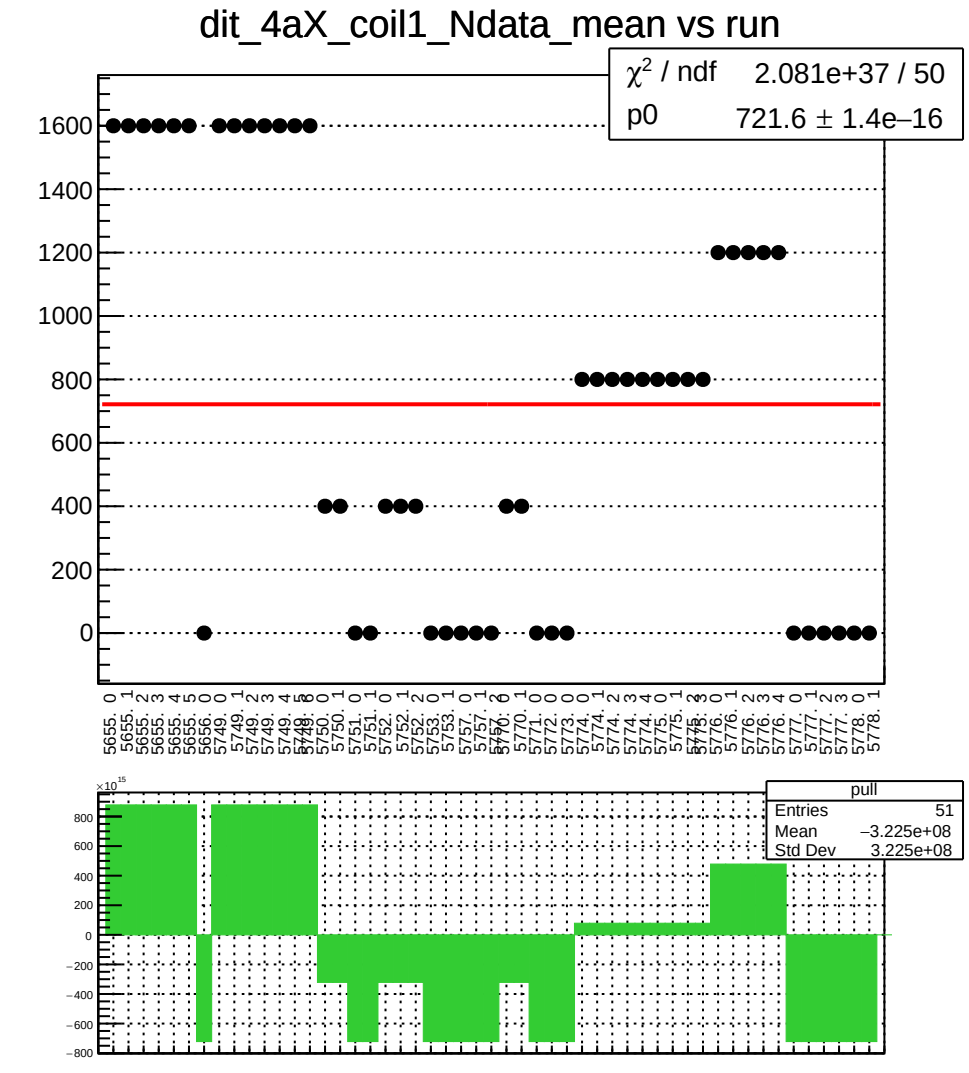

pull1D
Entries 51
Mean 1.359e−13
Std Dev 5.868e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

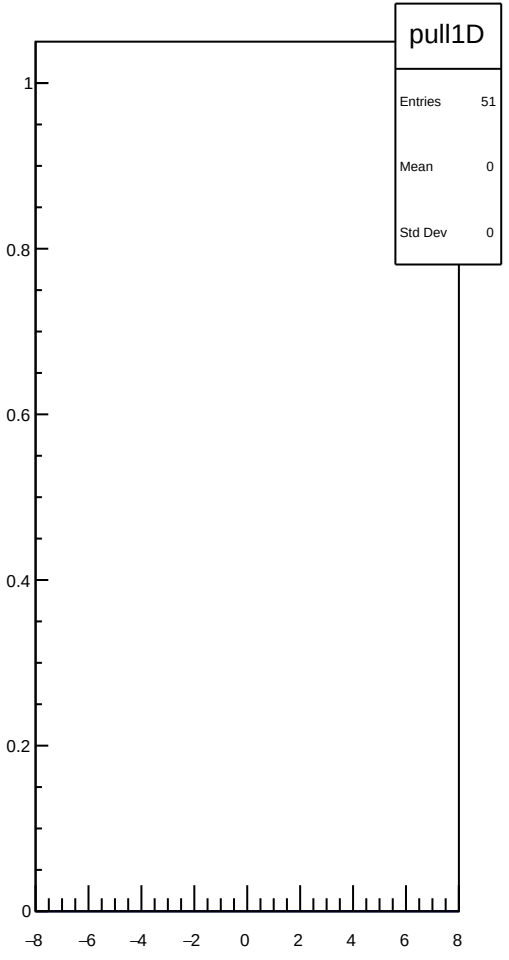

dit_4aX_coil1_mean vs run
χ² / ndf 8.664e+35 / 50
p0 −181.9 ± 1.4e−16
pull
Entries 51
Mean −3.271e+08
Std Dev 3.271e+08

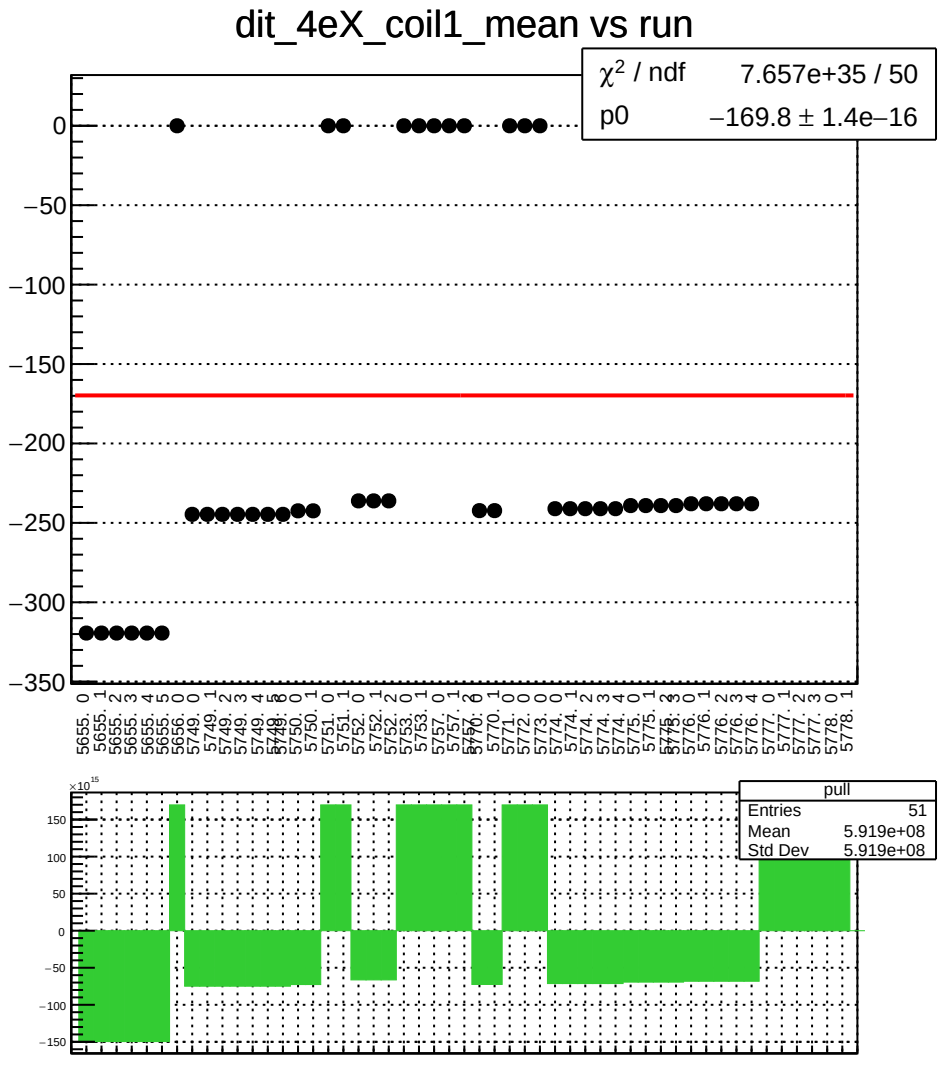

pull1D
Entries 51
Mean 0
Std Dev 0

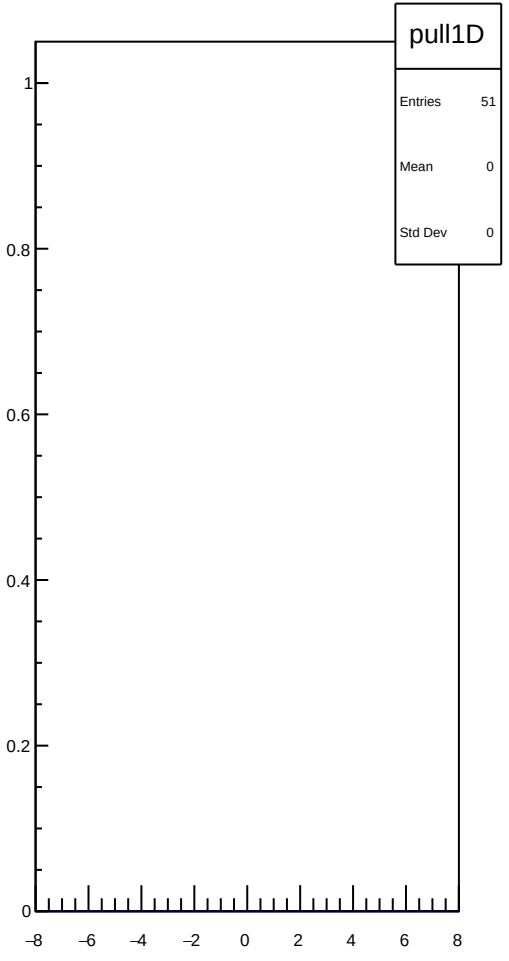

dit_4aX_coil1_err_mean vs run
χ² / ndf 2.309e+33 / 50
p0 8.293 ± 1.4e–16
pull
Entries 51
Mean 5.406e+08
Std Dev 5.406e+08

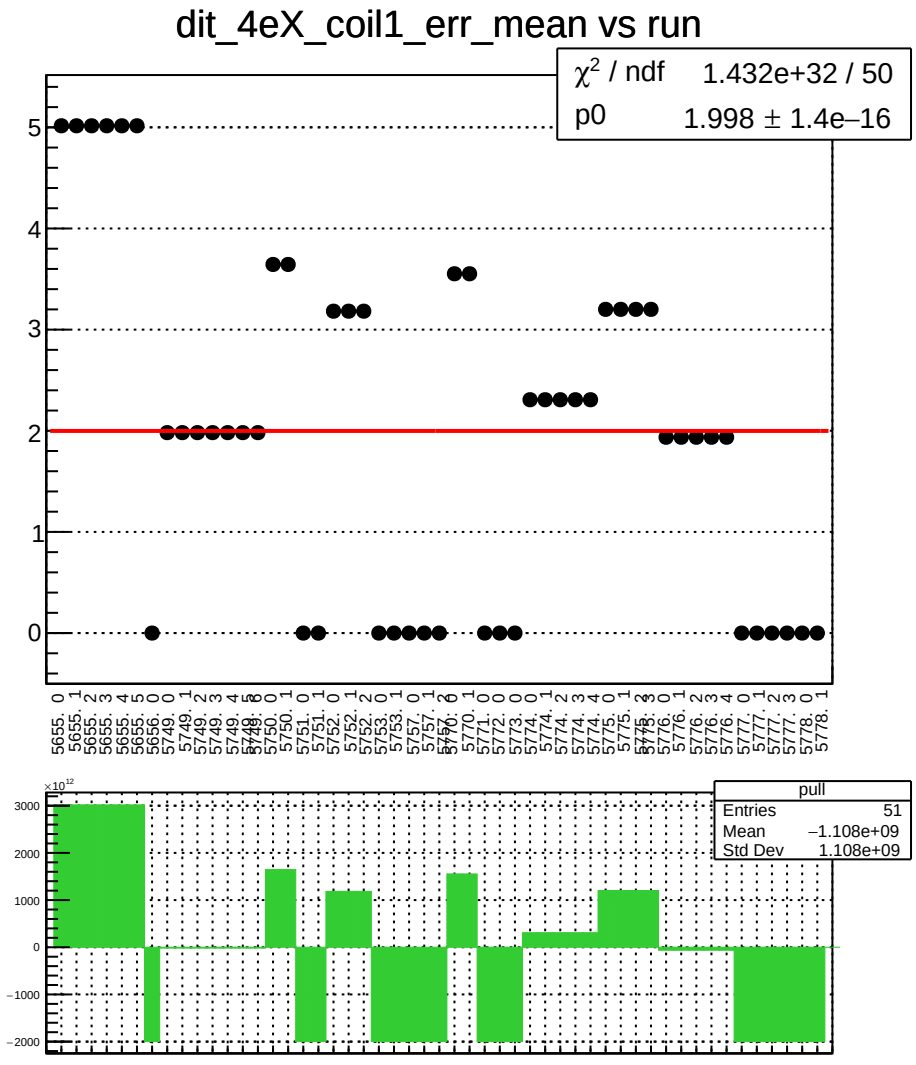

pull1D
Entries 51
Mean 0
Std Dev 0

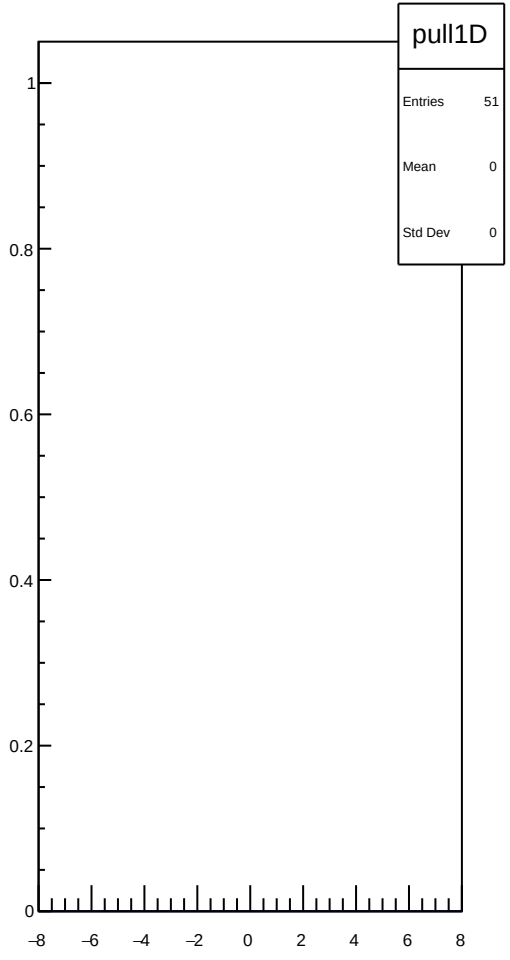

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵

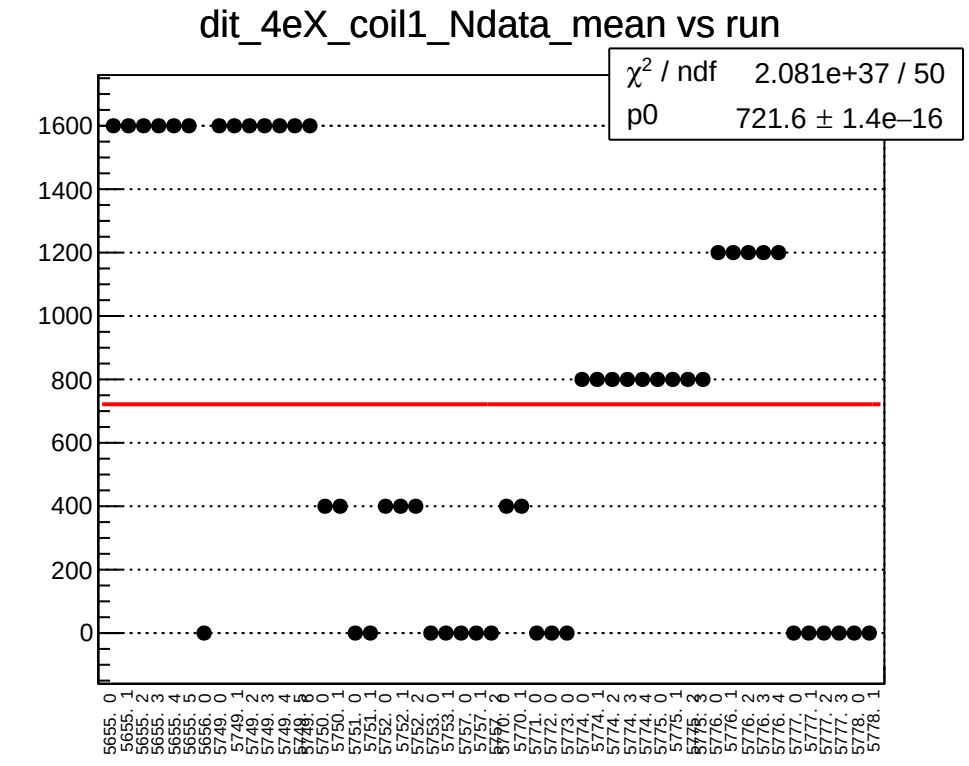

pull1D
Entries 51
Mean 0
Std Dev 0

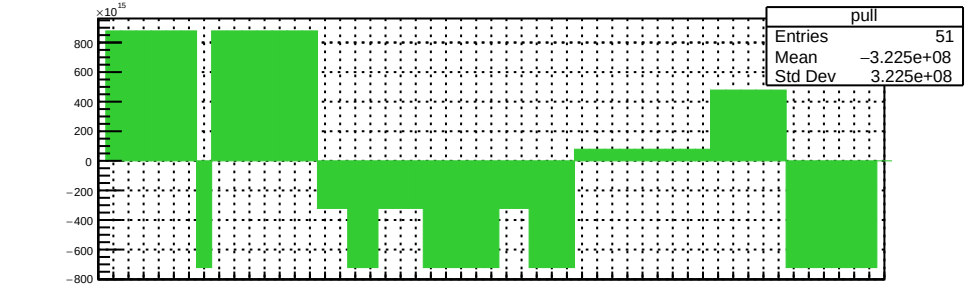

dit_4eX_coil1_mean vs run
χ² / ndf 7.657e+35 / 50
p0 −169.8 ± 1.4e−16
pull
Entries 51
Mean 5.919e+08
Std Dev 5.919e+08

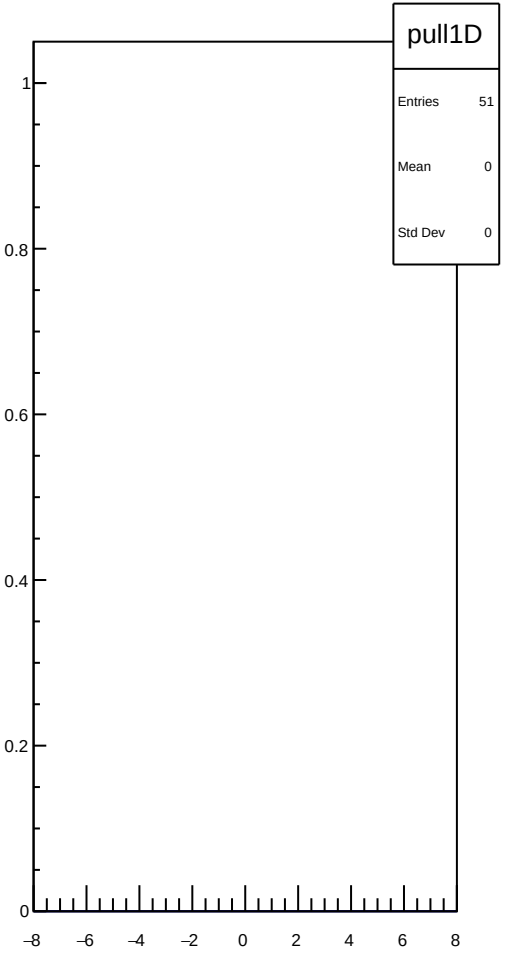

pull1D
Entries 51
Mean 0
Std Dev 0

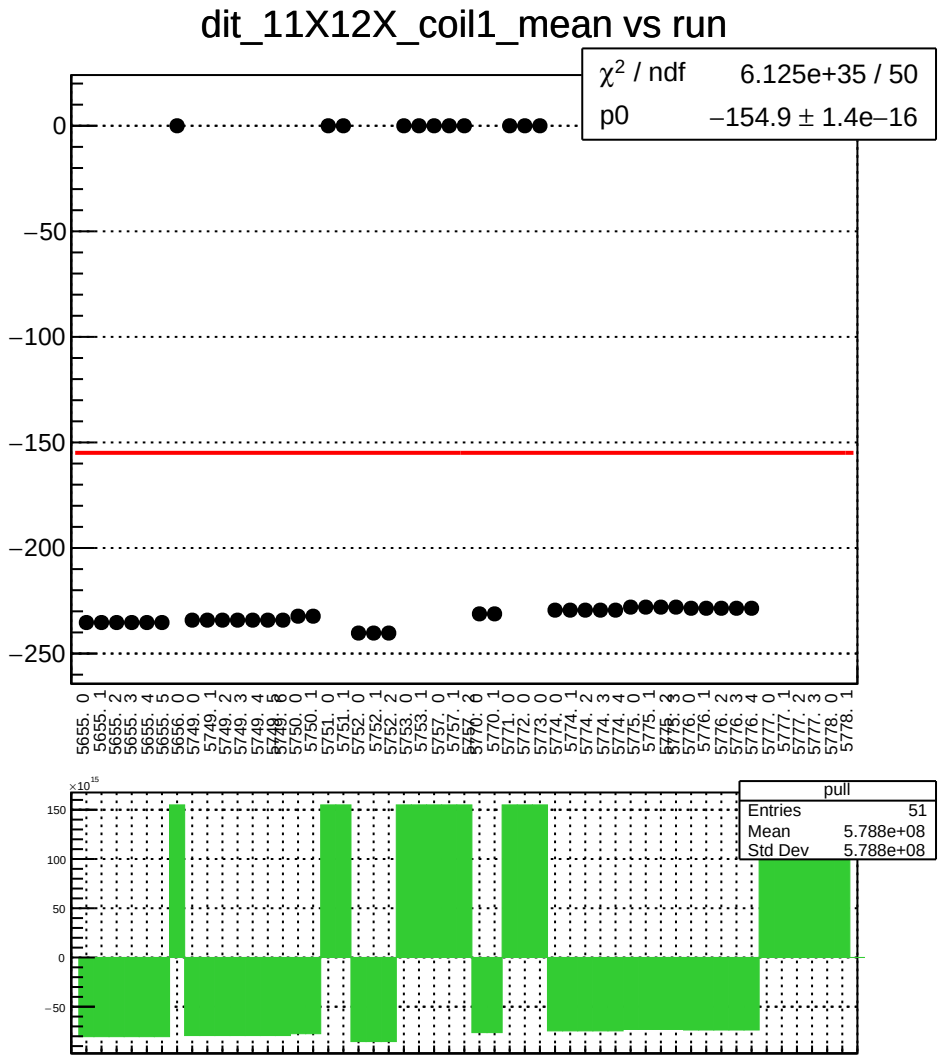

dit_4eX_coil1_err_mean vs run
χ² / ndf 1.432e+32 / 50
p0 1.998 ± 1.4e–16
pull
Entries 51
Mean –1.108e+09
Std Dev 1.108e+09

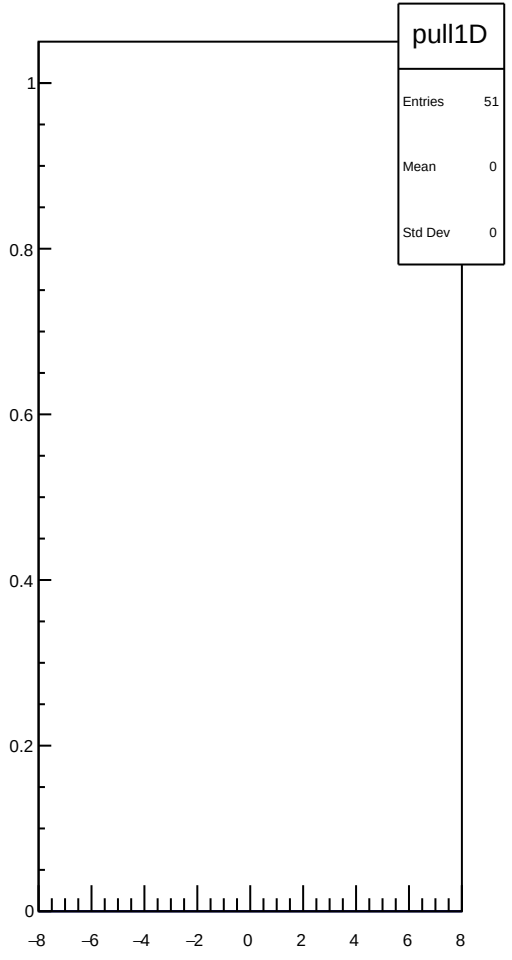

pull1D
Entries 51
Mean 0
Std Dev 0

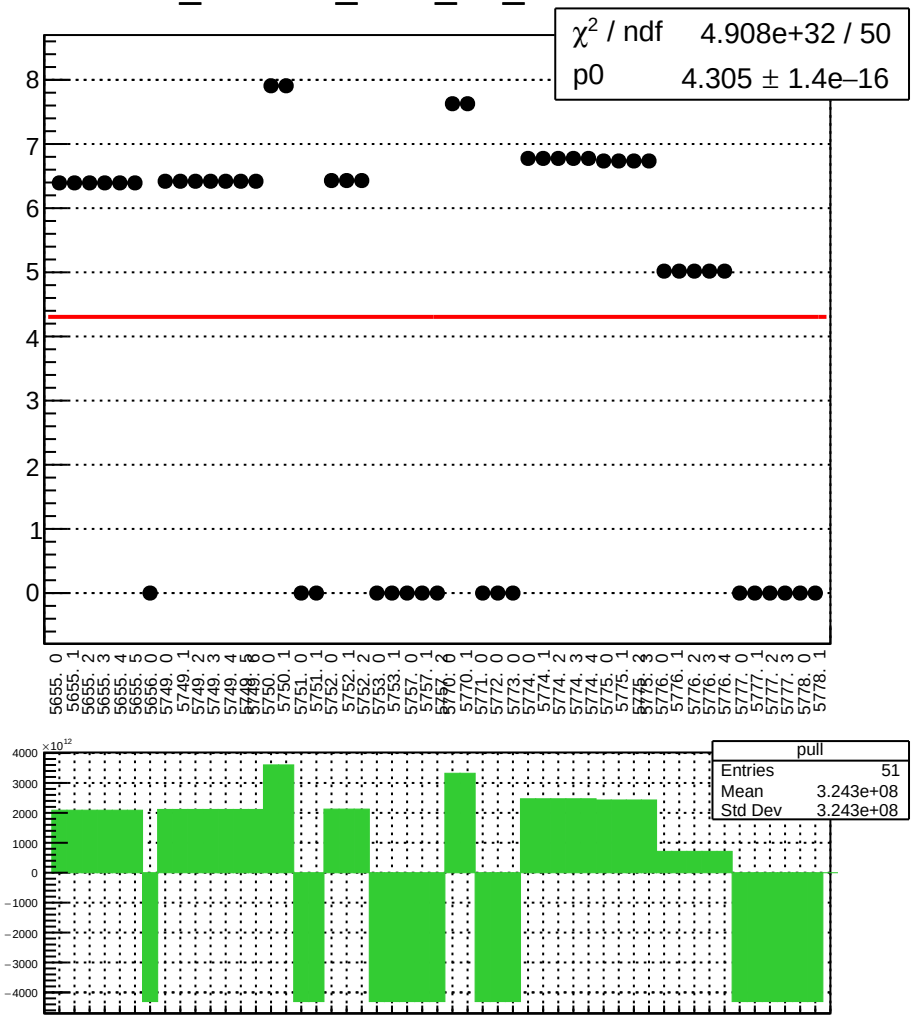

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

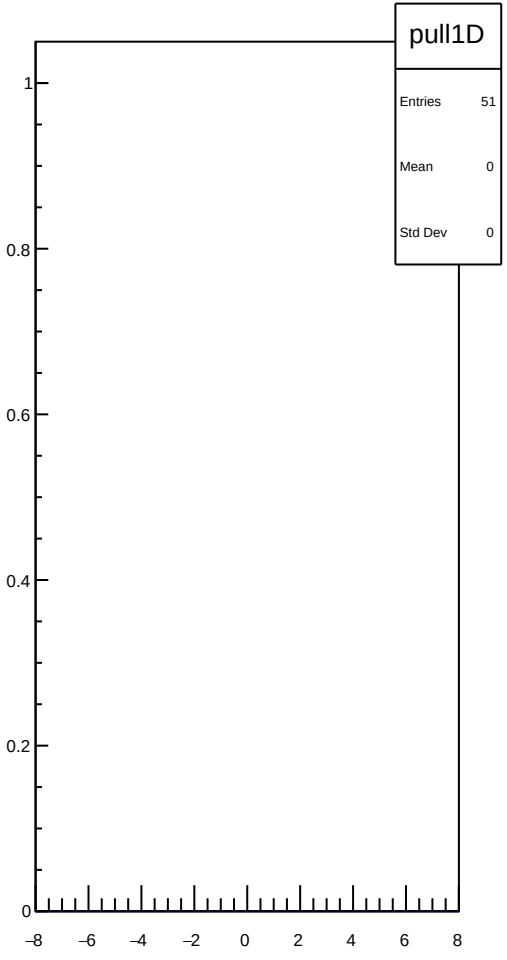

×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −3.225e+08
Std Dev 3.225e+08

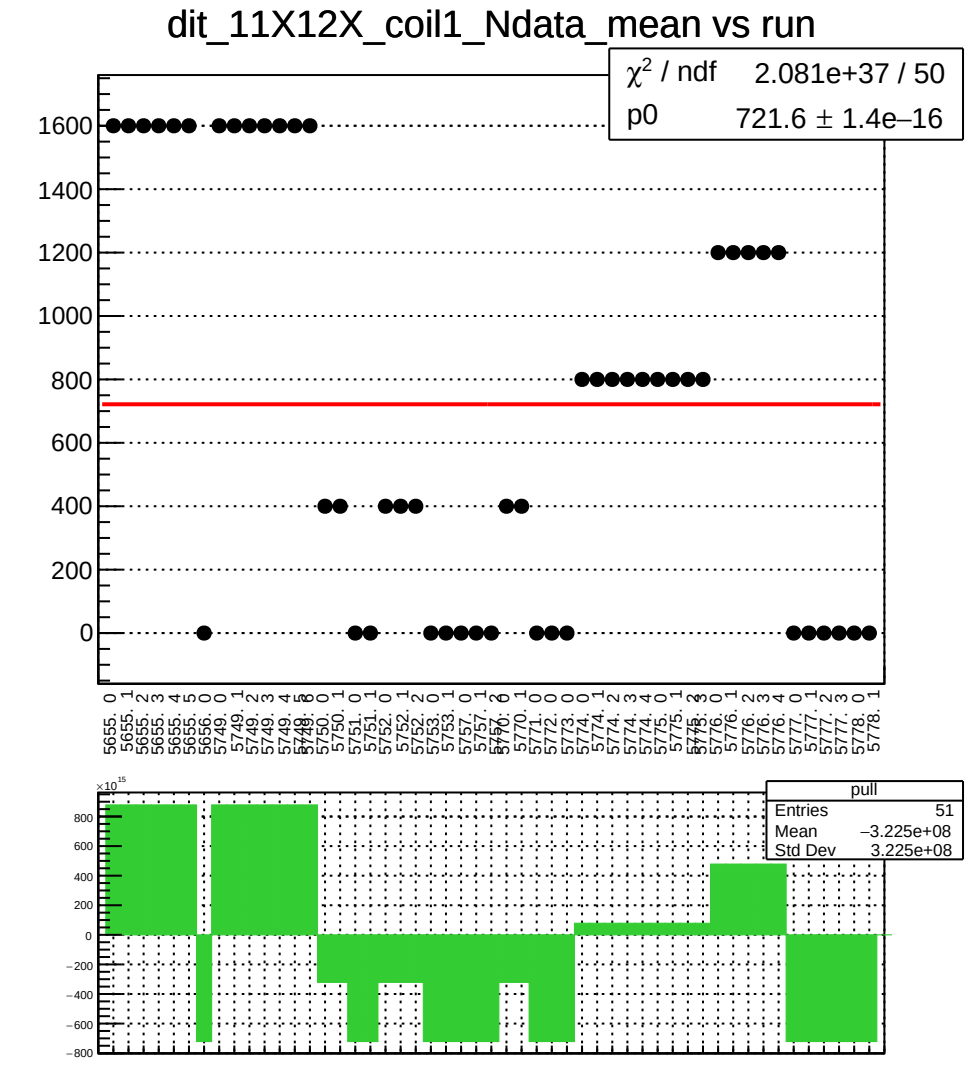

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

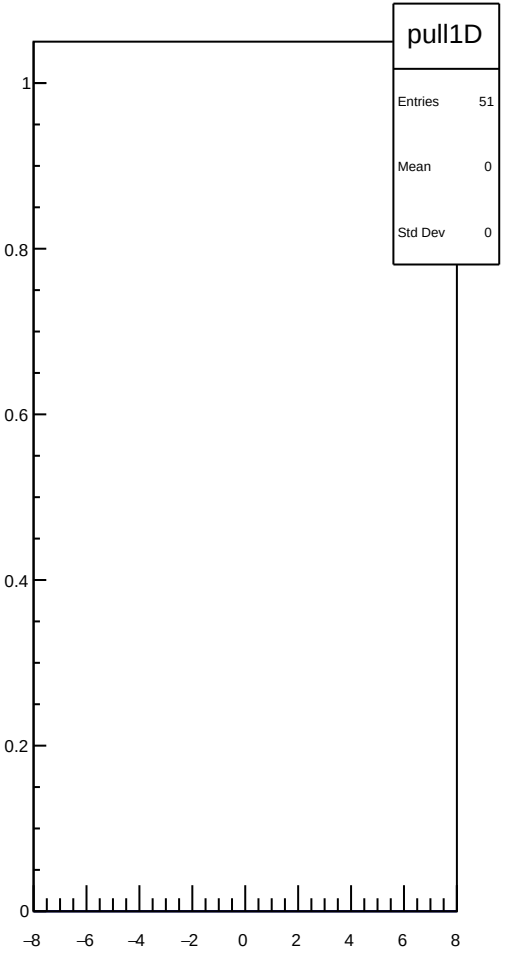

dit_11X12X_coil1_mean vs run
χ² / ndf 6.125e+35 / 50
p0 −154.9 ± 1.4e−16
0
−50
−100
−150
−200
−250
pull
Entries 51
Mean 5.788e+08
Std Dev 5.788e+08
×10¹⁵
150
100
50
0
−50

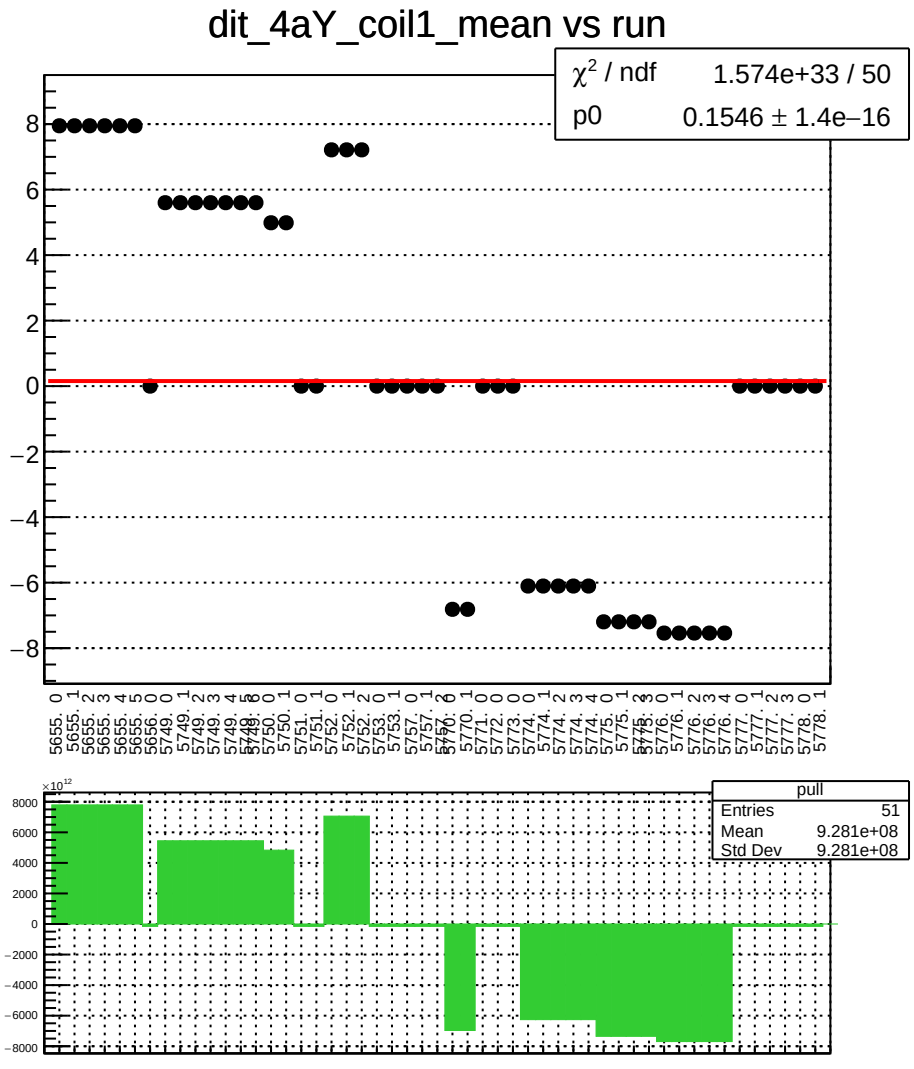

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

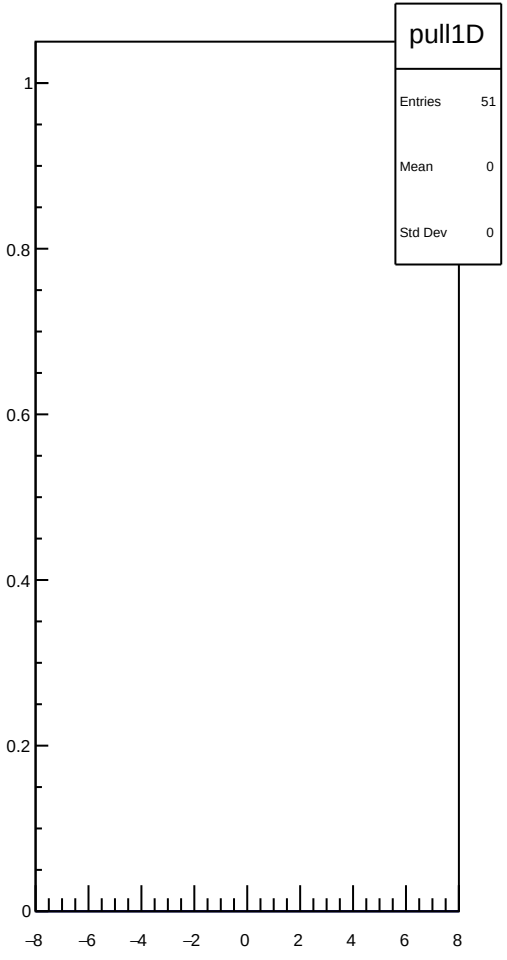

dit_11X12X_coil1_err_mean vs run
χ² / ndf 4.908e+32 / 50
p0 4.305 ± 1.4e–16
pull
Entries 51
Mean 3.243e+08
Std Dev 3.243e+08

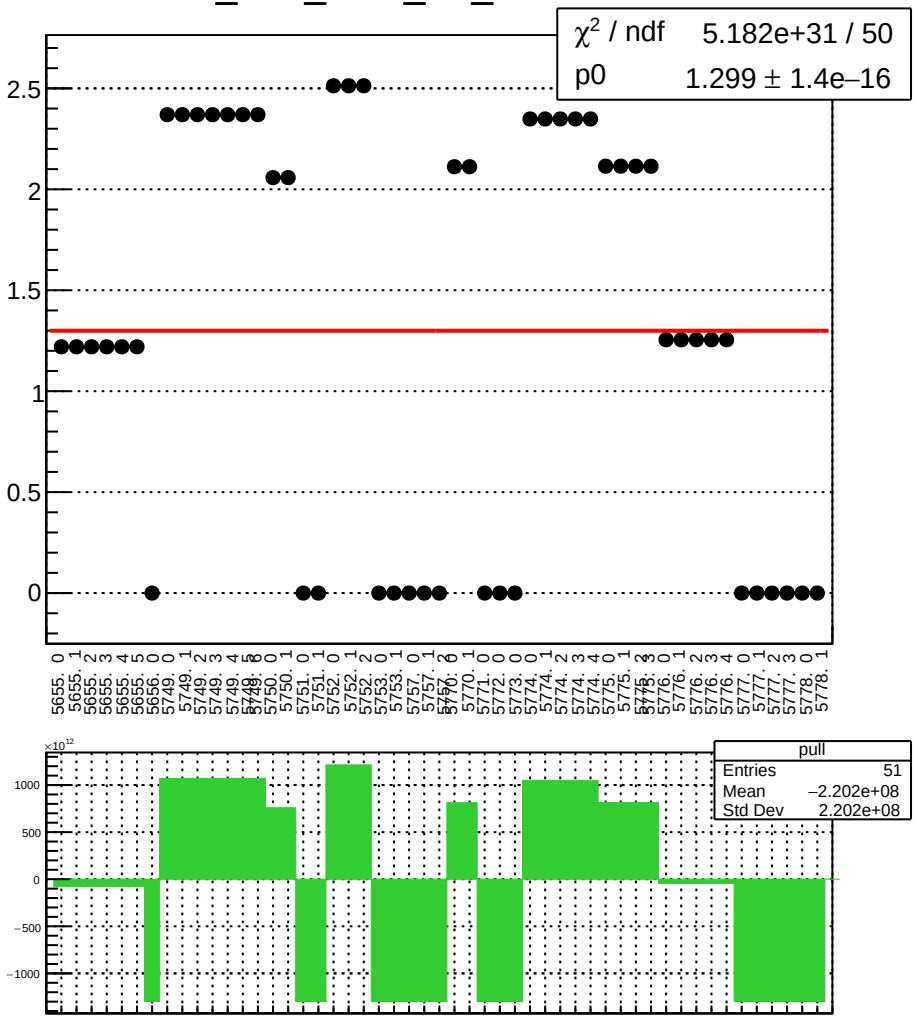

pull1D
Entries 51
Mean 0
Std Dev 0

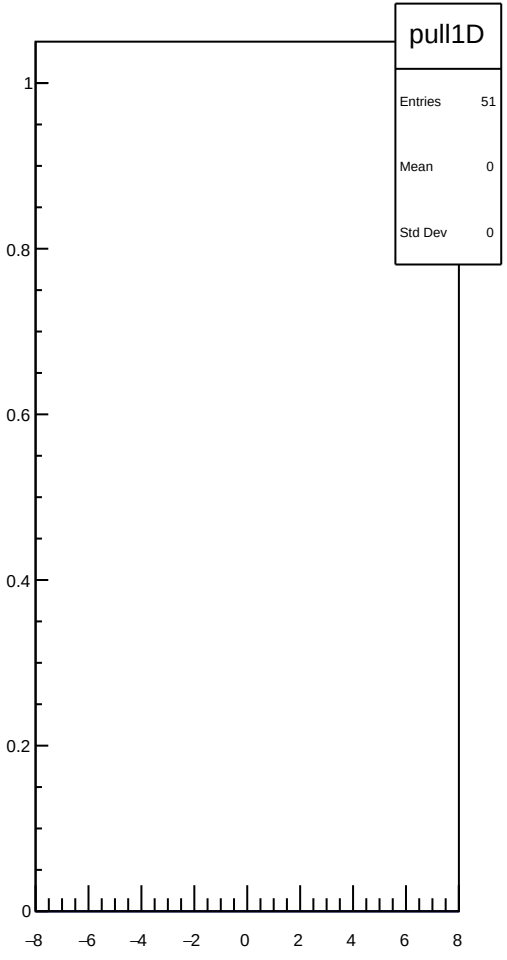

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

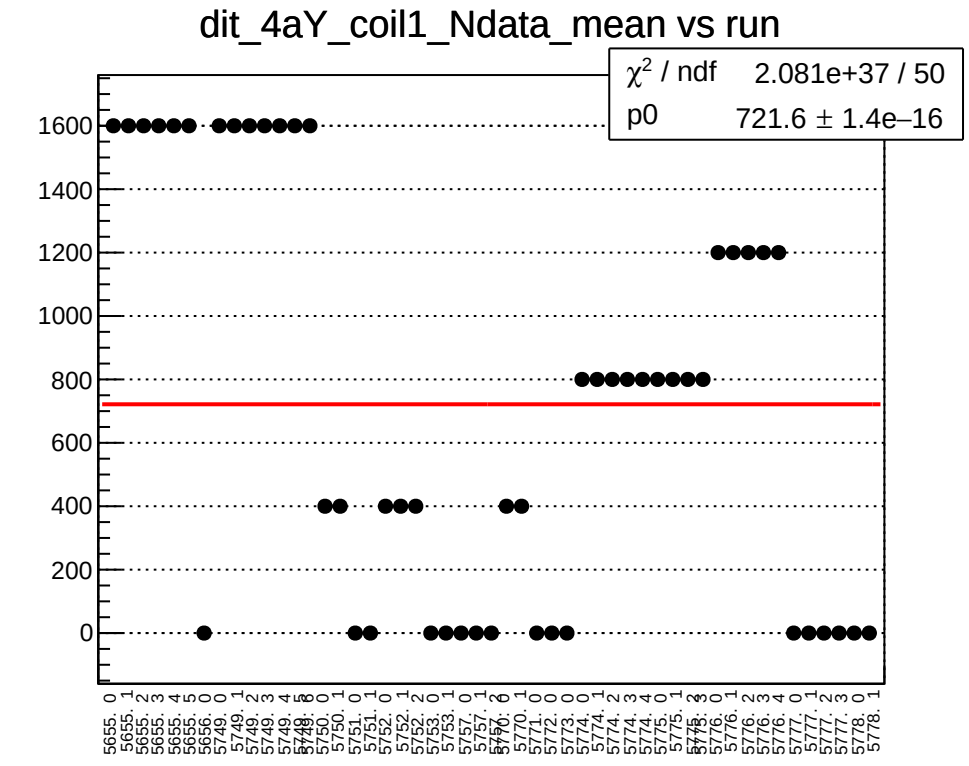

pull1D
Entries 51
Mean 0
Std Dev 0

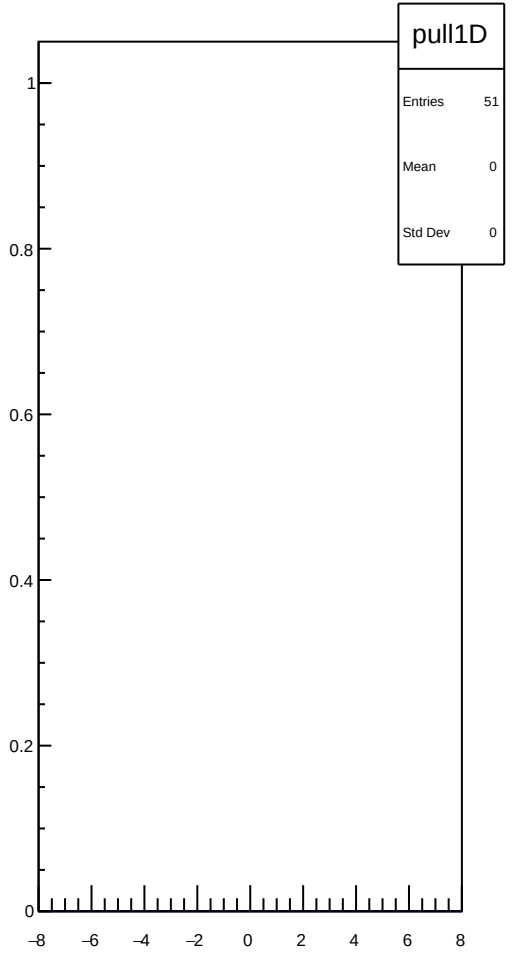

dit_4aY_coil1_mean vs run
χ² / ndf 1.574e+33 / 50
p0 0.1546 ± 1.4e−16
pull
Entries 51
Mean 9.281e+08
Std Dev 9.281e+08

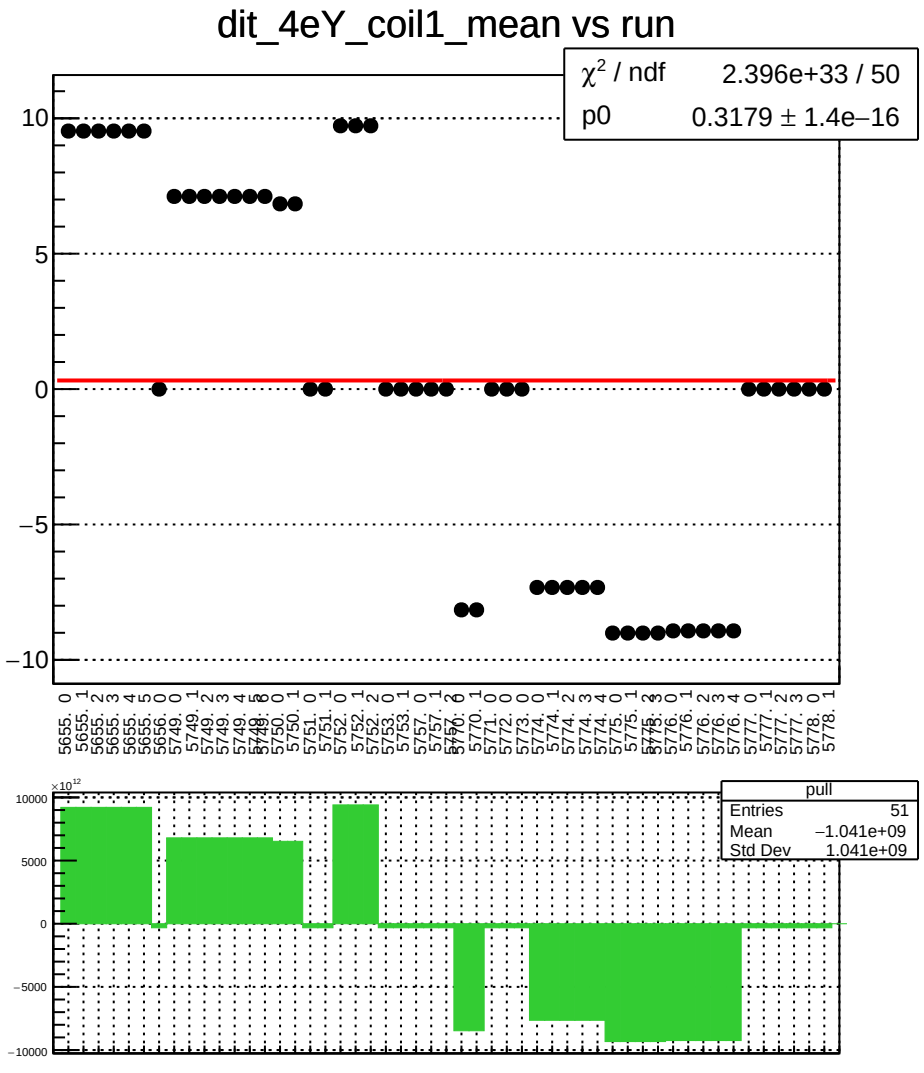

pull1D
Entries 51
Mean 0
Std Dev 0

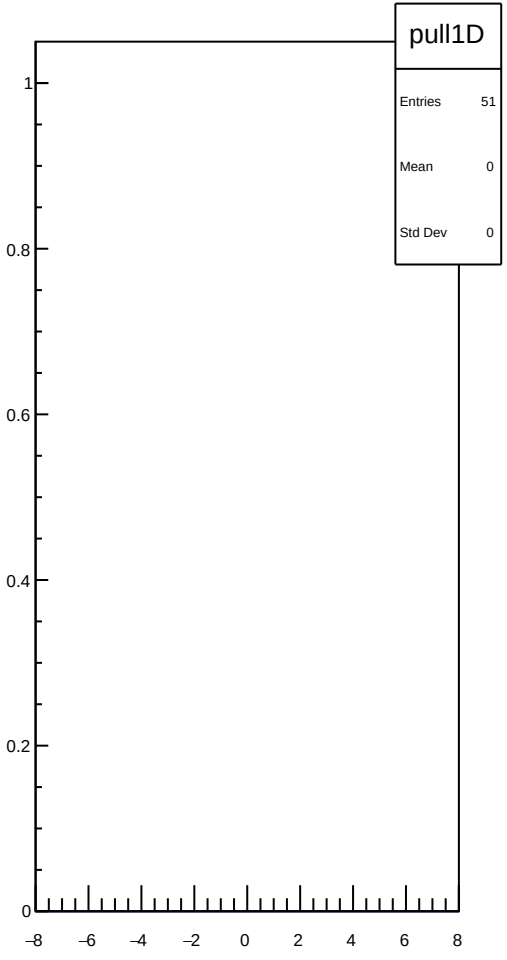

dit_4aY_coil1_err_mean vs run
χ² / ndf 5.182e+31 / 50
p0 1.299 ± 1.4e−16
pull
Entries 51
Mean −2.202e+08
Std Dev 2.202e+08

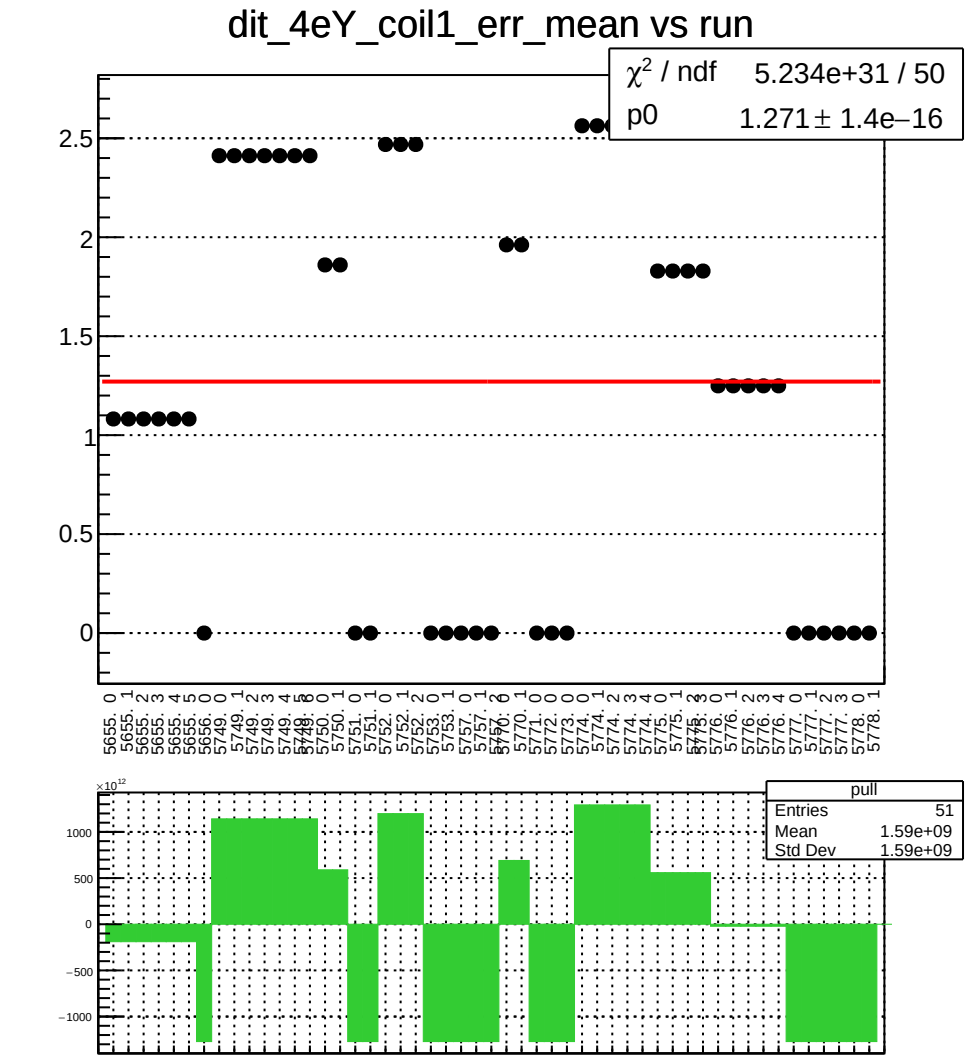

pull1D
Entries 51
Mean 0
Std Dev 0

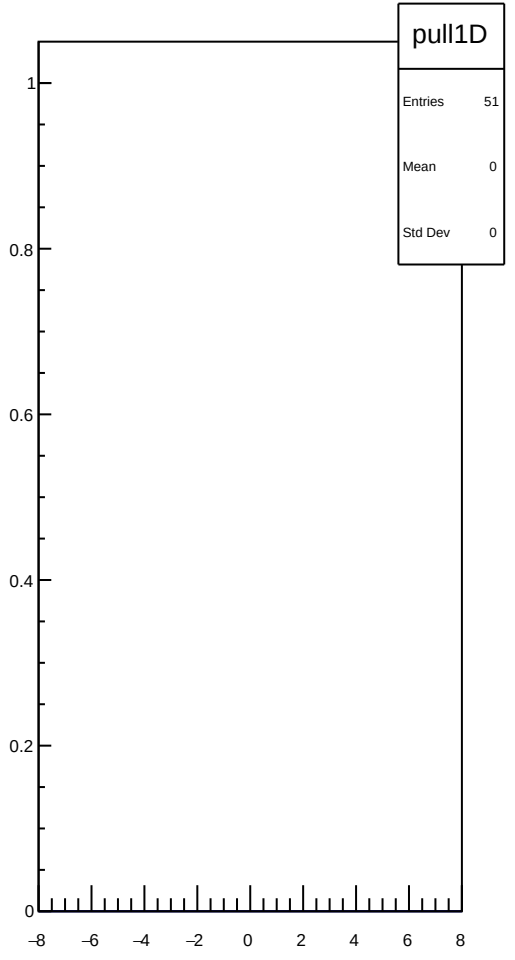

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

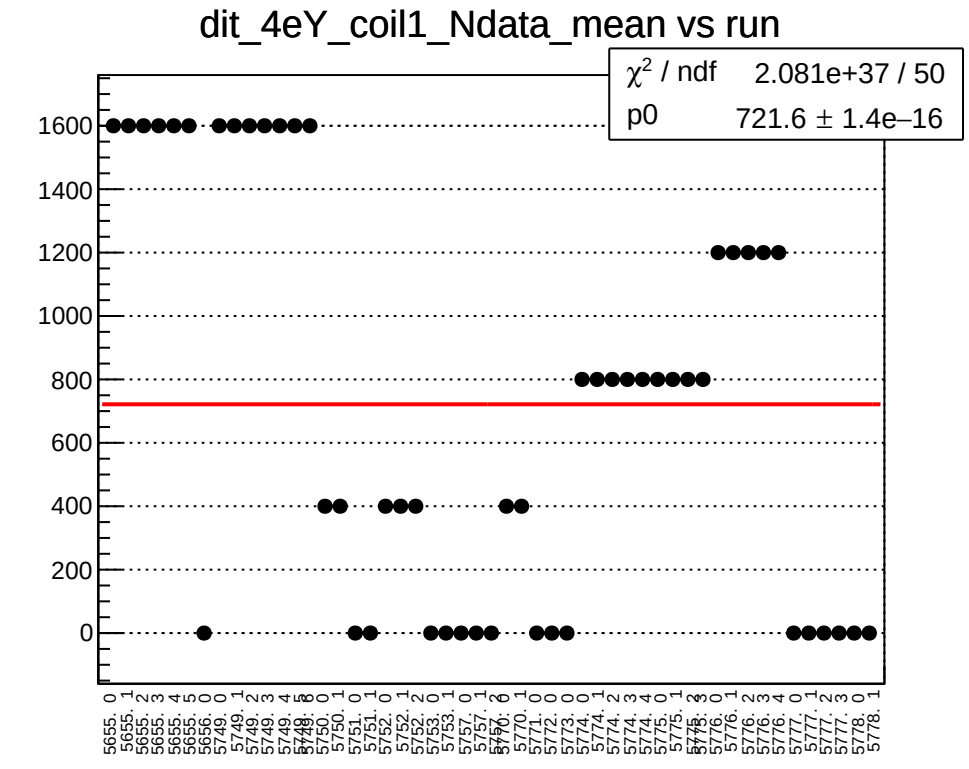

pull1D
Entries 51
Mean 0
Std Dev 0

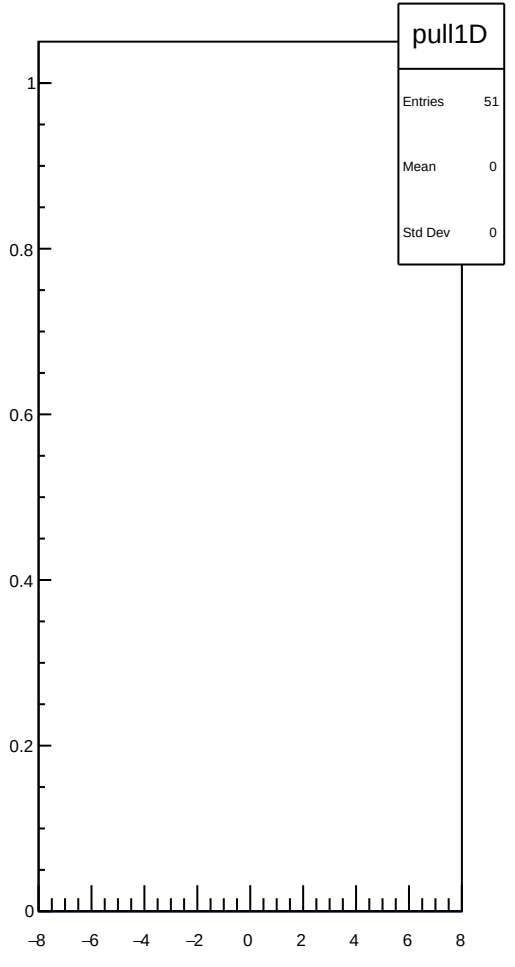

dit_4eY_coil1_mean vs run
χ² / ndf 2.396e+33 / 50
p0 0.3179 ± 1.4e−16
10
5
0
−5
−10
pull
Entries 51
Mean −1.041e+09
Std Dev 1.041e+09
×10¹²
10000
5000
0
−5000
−10000

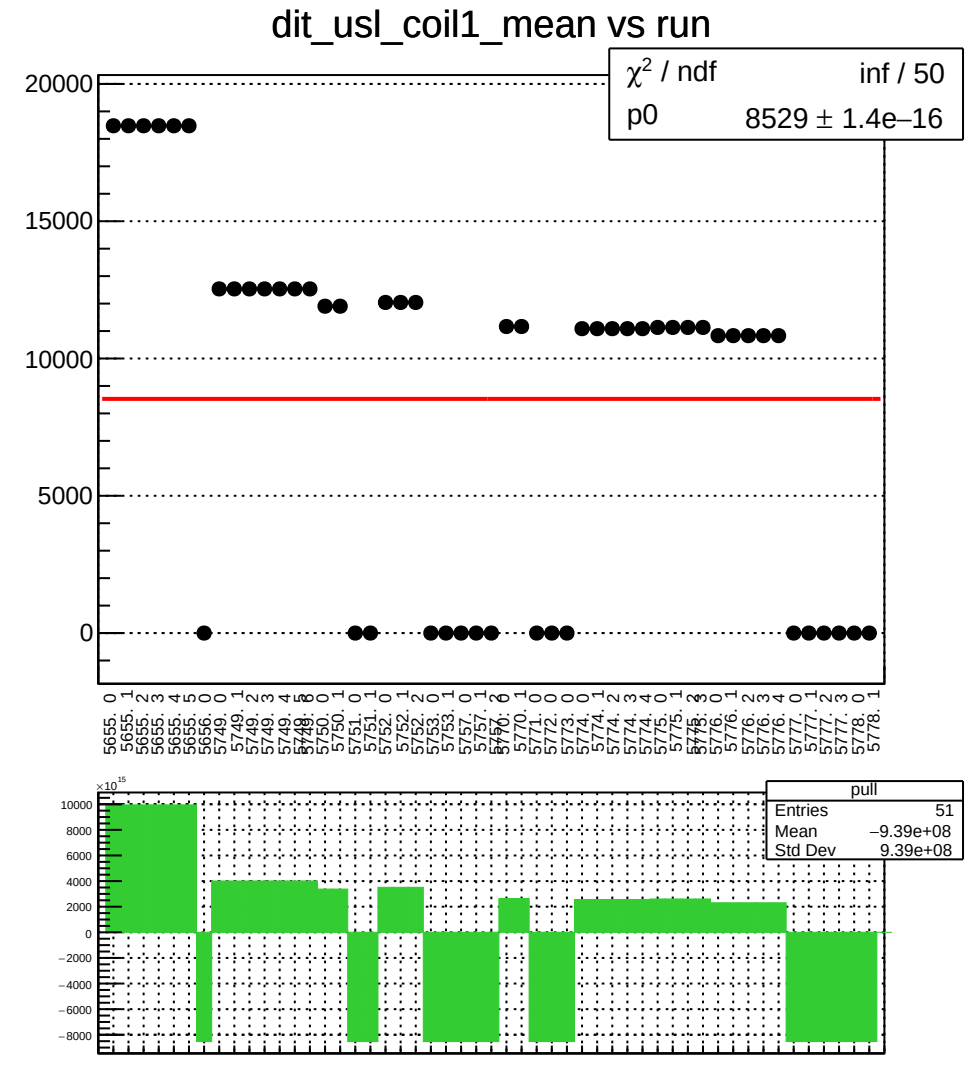

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

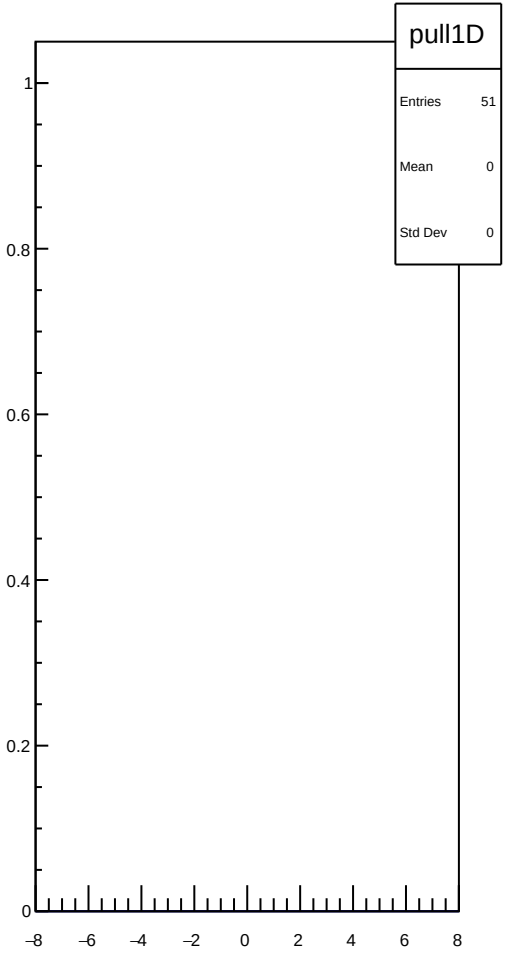

dit_4eY_coil1_err_mean vs run
χ² / ndf 5.234e+31 / 50
p0 1.271 ± 1.4e−16
pull
Entries 51
Mean 1.59e+09
Std Dev 1.59e+09

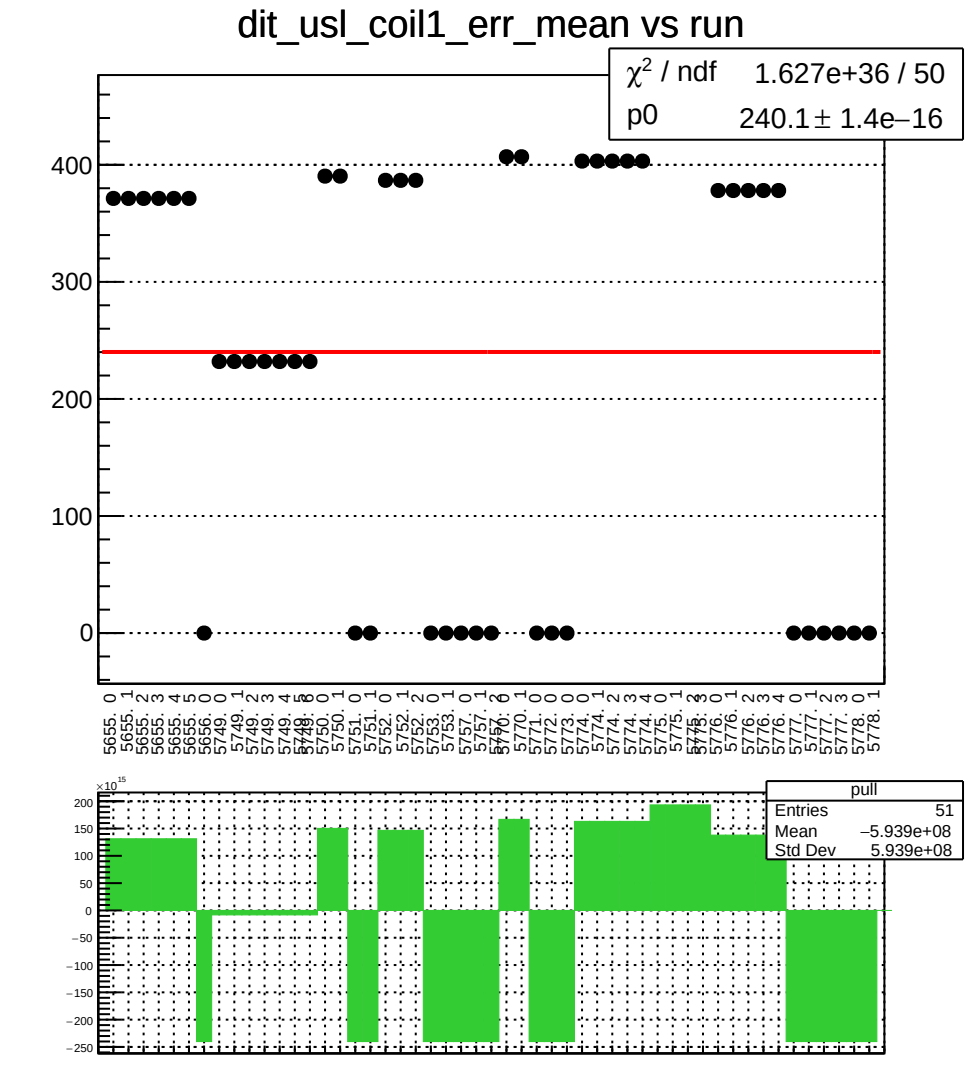

pull1D
Entries 51
Mean 0
Std Dev 0

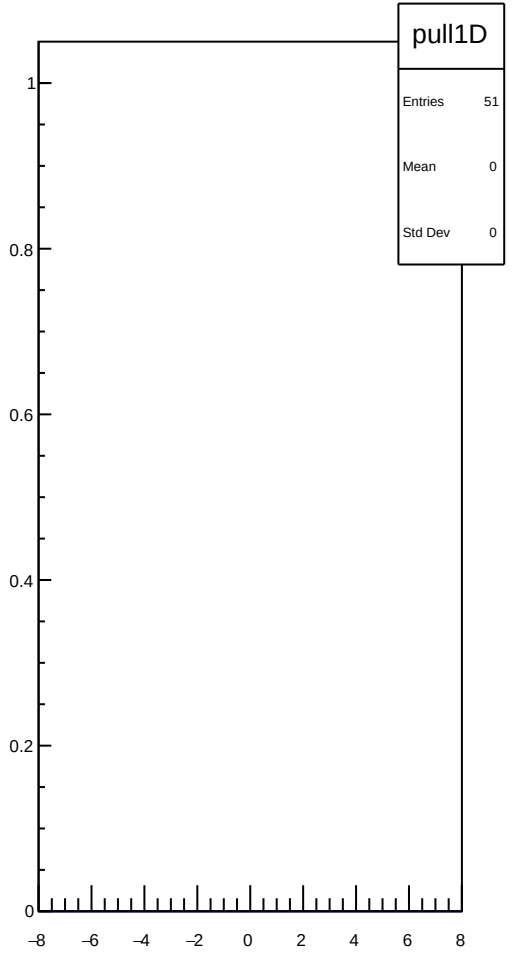

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

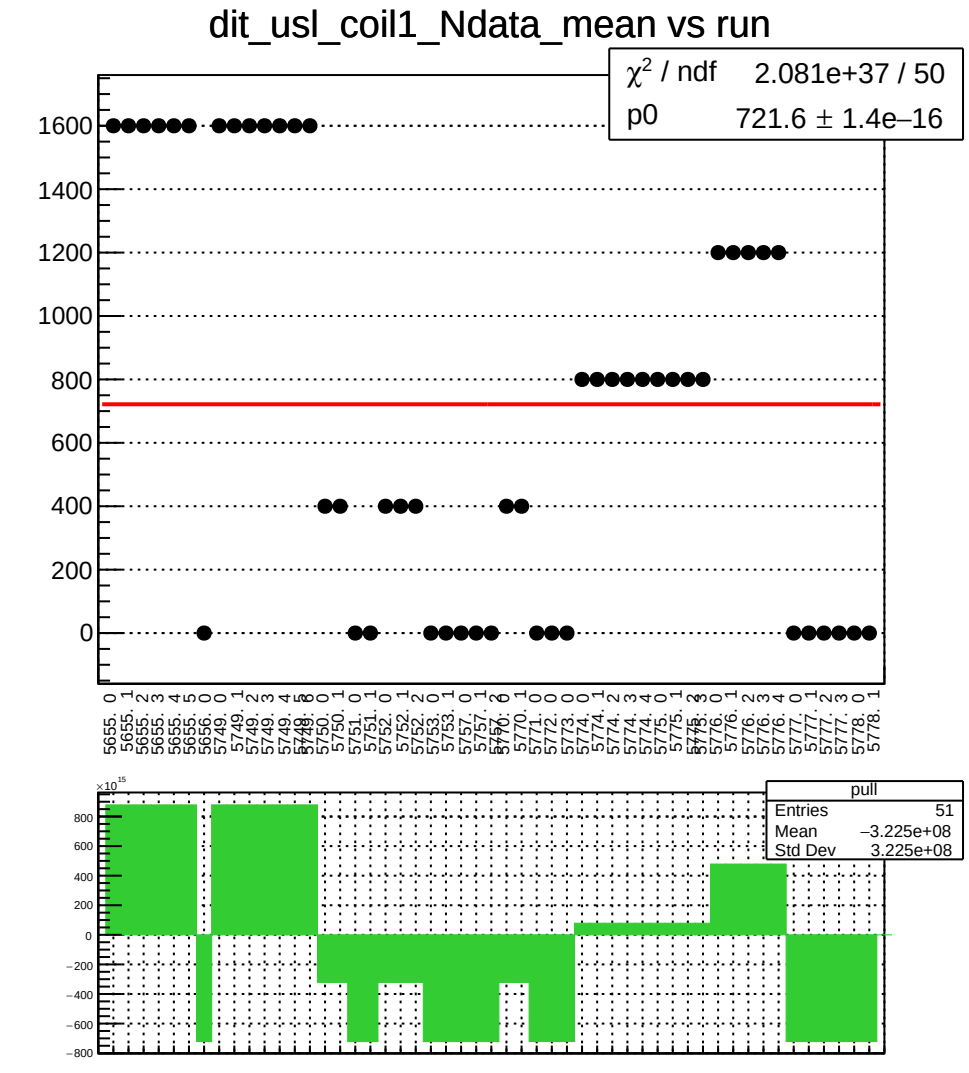

pull1D
Entries 51
Mean 0
Std Dev 0

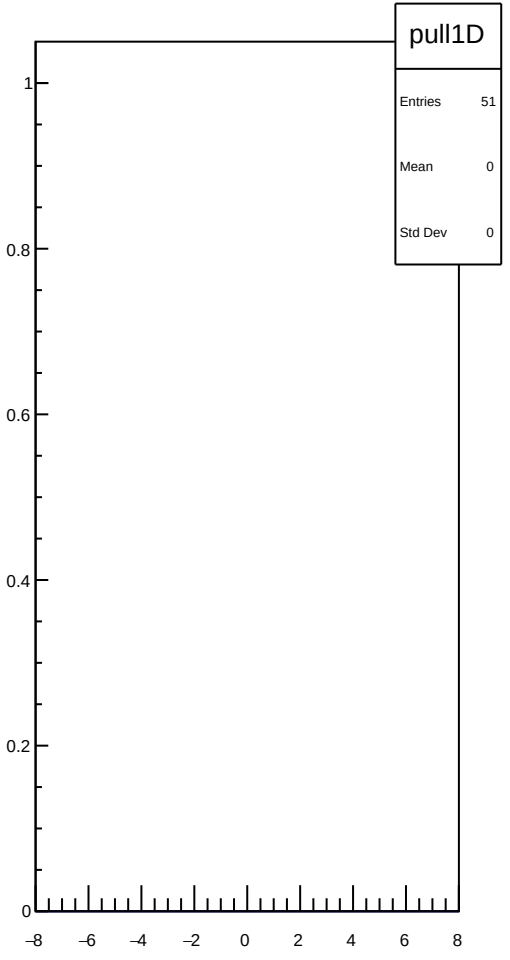

dit_usl_coil1_mean vs run
χ² / ndf inf / 50
p0 8529 ± 1.4e–16
20000
15000
10000
5000
0
pull
Entries 51
Mean –9.39e+08
Std Dev 9.39e+08
10000
8000
6000
4000
2000
0
–2000
–4000
–6000
–8000

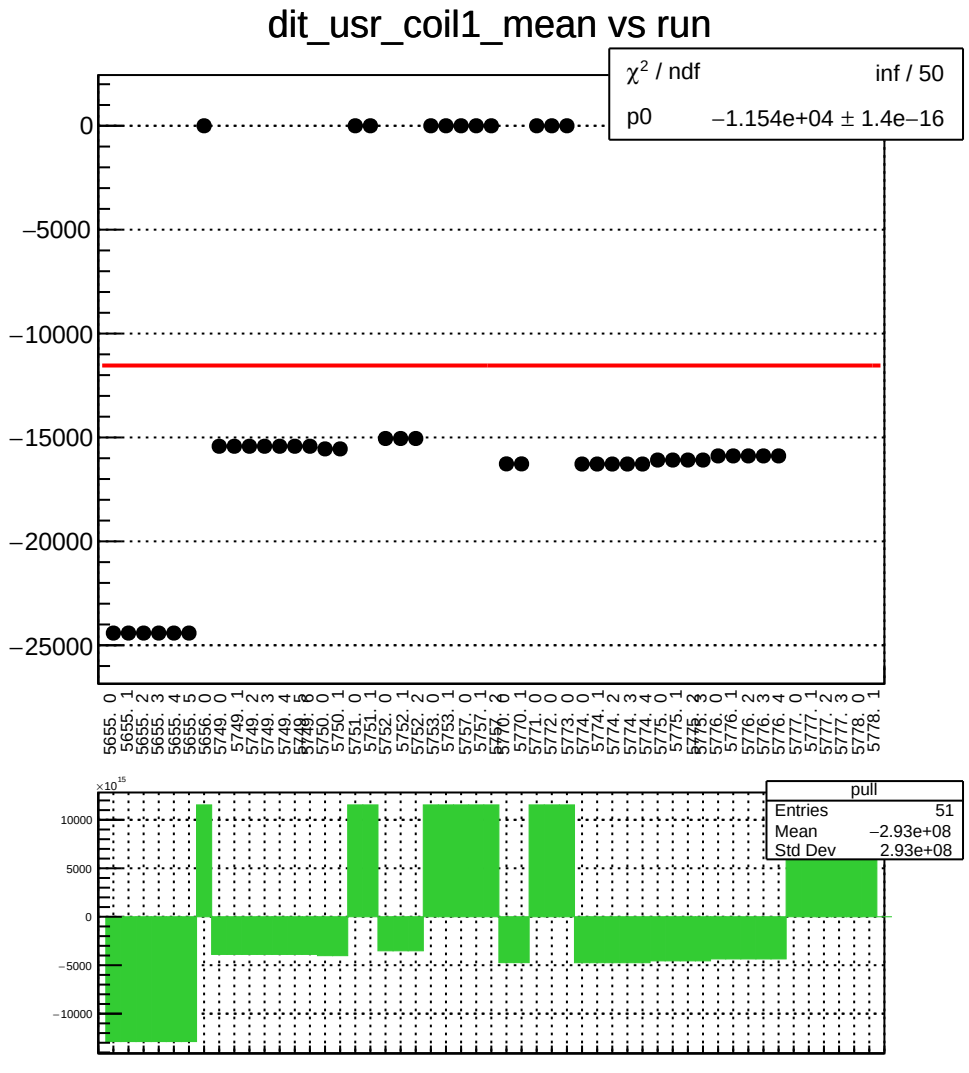

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

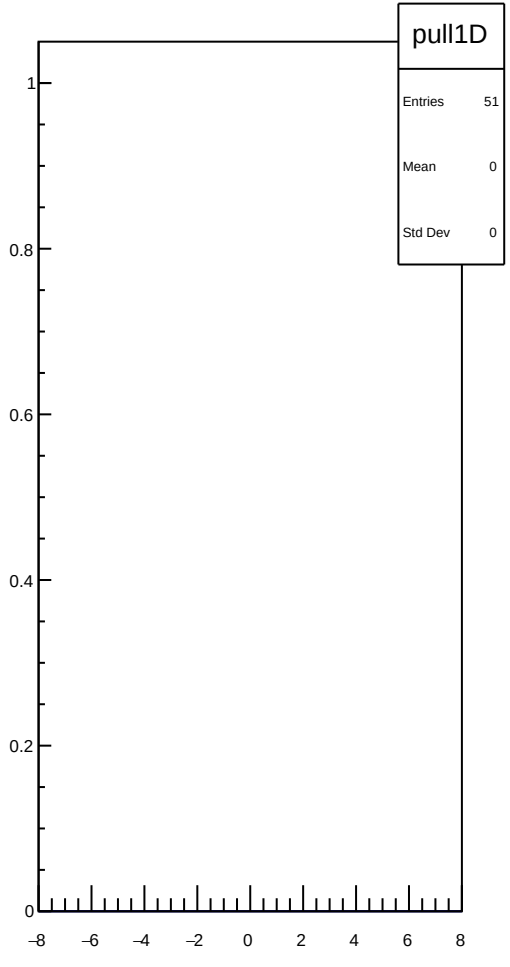

dit_usl_coil1_err_mean vs run
χ² / ndf 1.627e+36 / 50
p0 240.1 ± 1.4e−16
400
300
200
100
0
pull
Entries 51
Mean −5.939e+08
Std Dev 5.939e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
−250

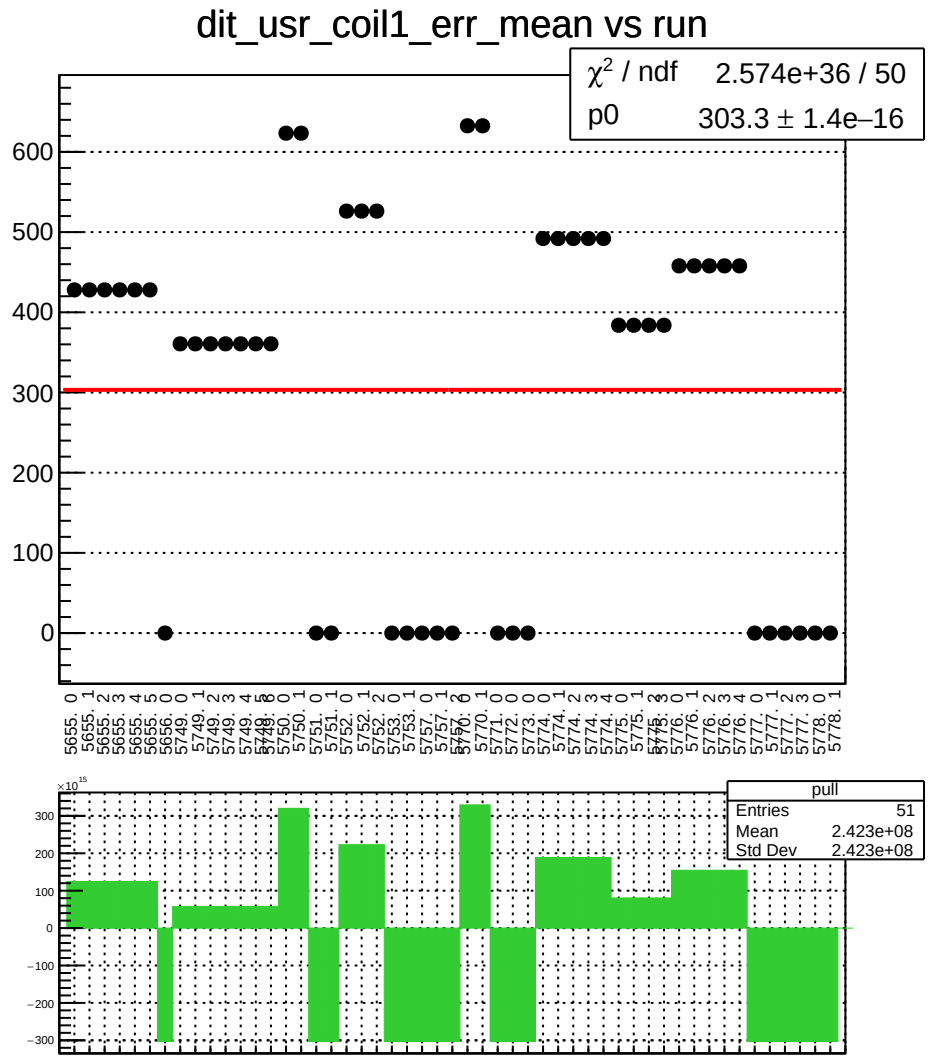

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

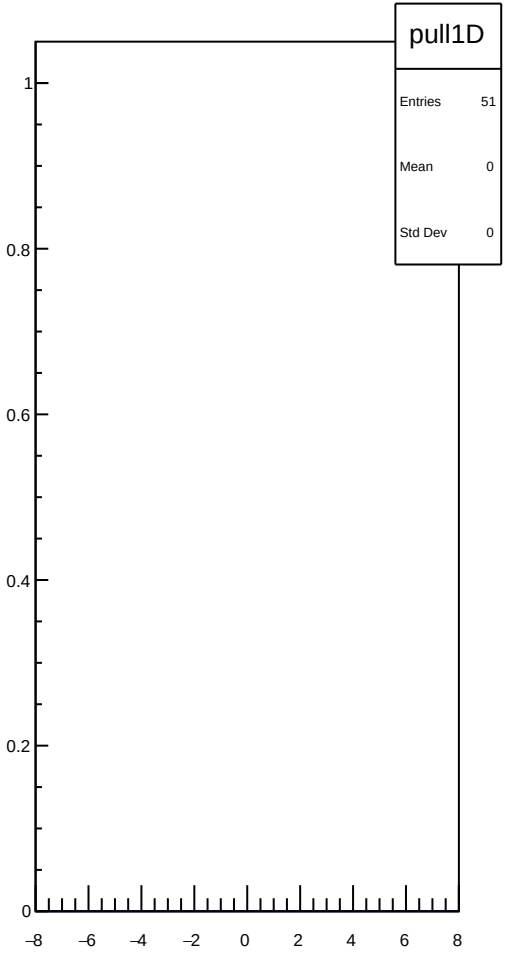

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

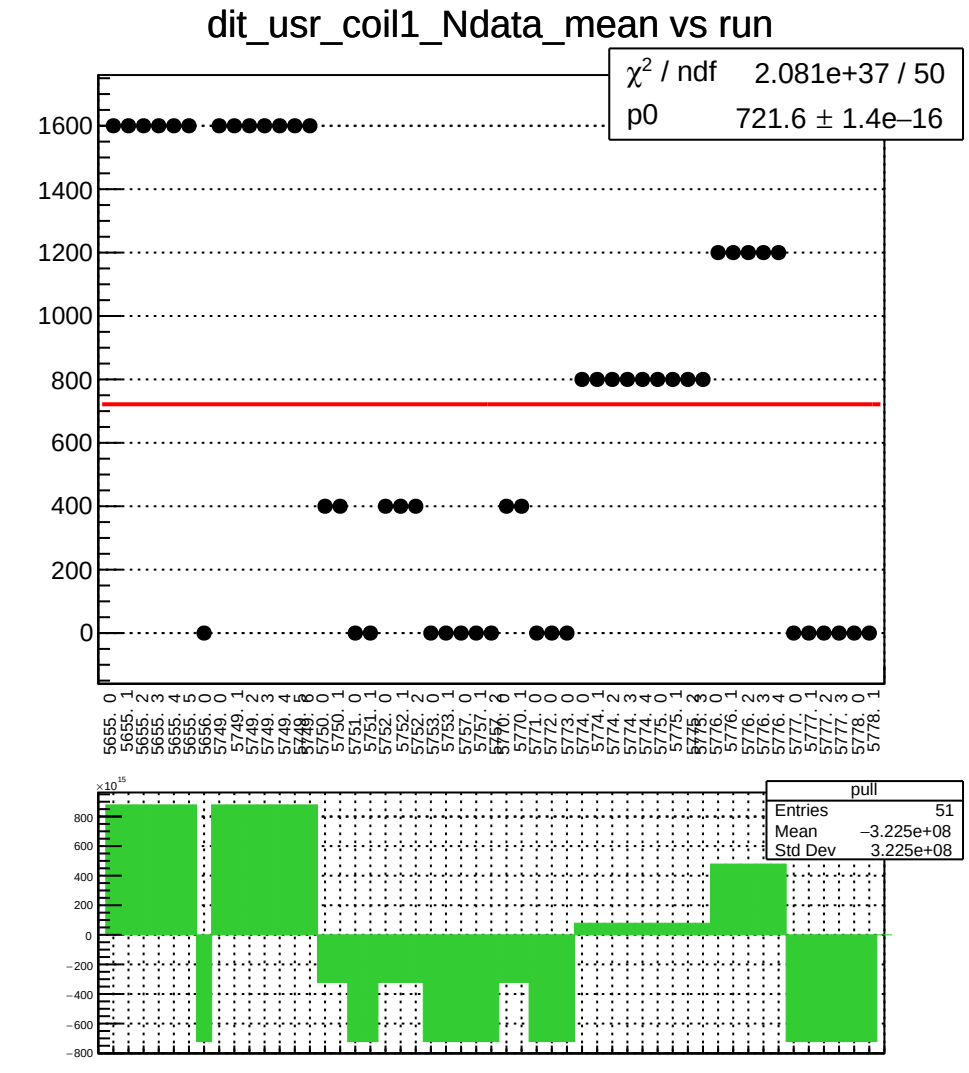

pull1D
Entries 51
Mean 0
Std Dev 0

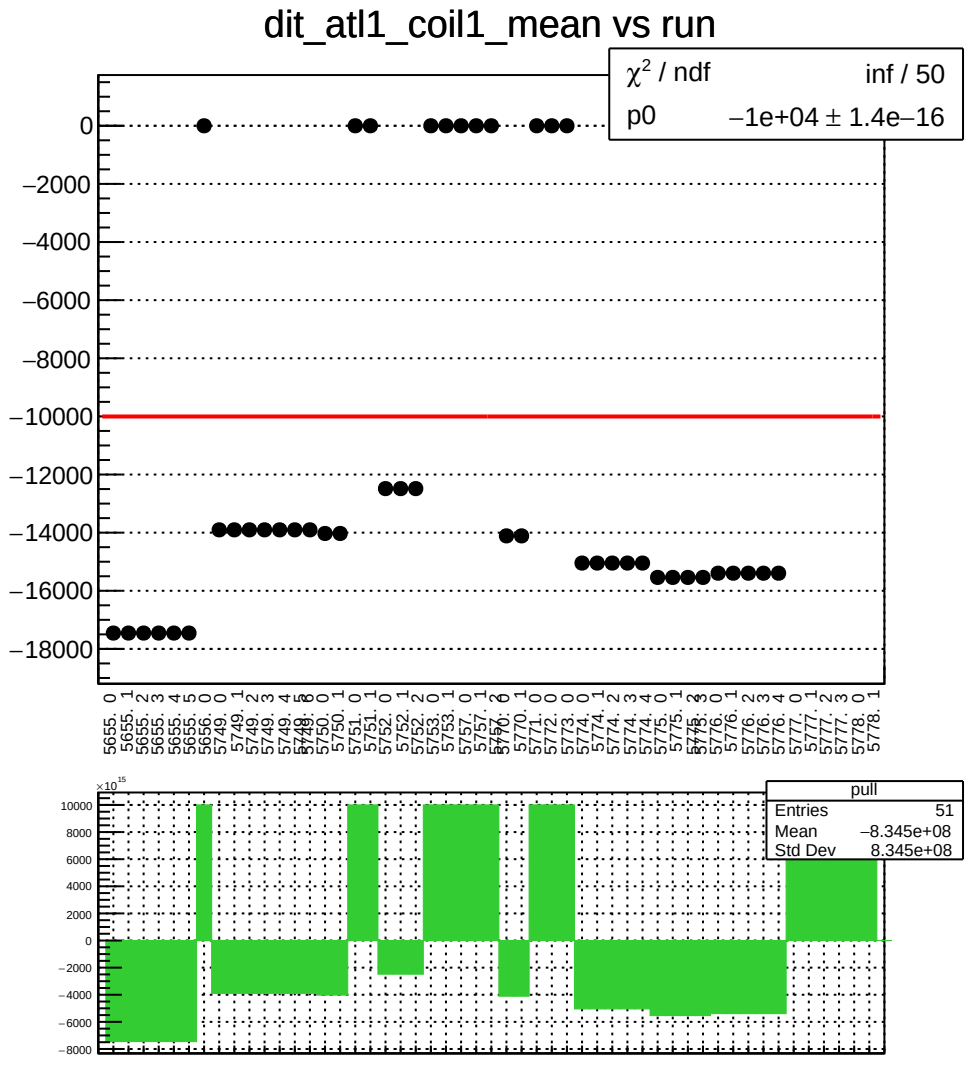

dit_usr_coil1_mean vs run
χ² / ndf inf / 50
p0 −1.154e+04 ± 1.4e−16
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 51
Mean −2.93e+08
Std Dev 2.93e+08
×10¹⁵
10000
5000
0
−5000
−10000

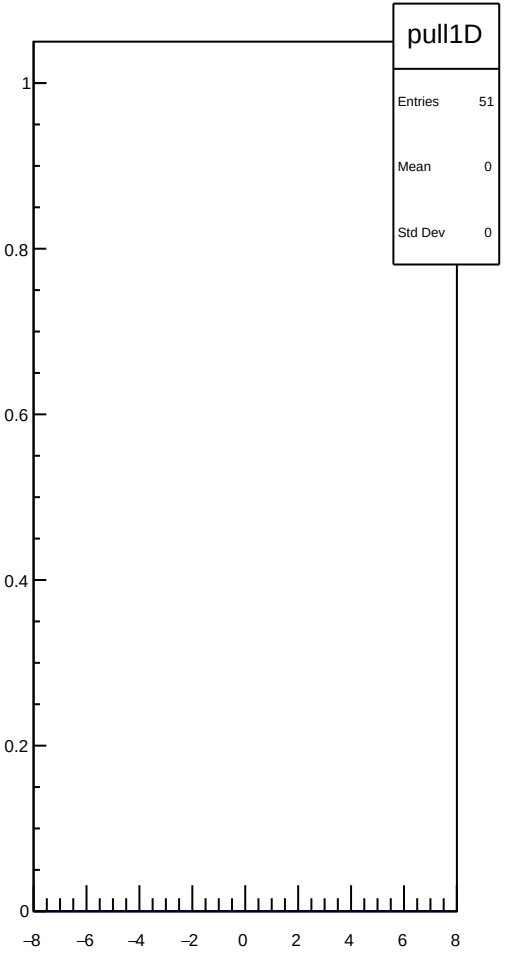

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

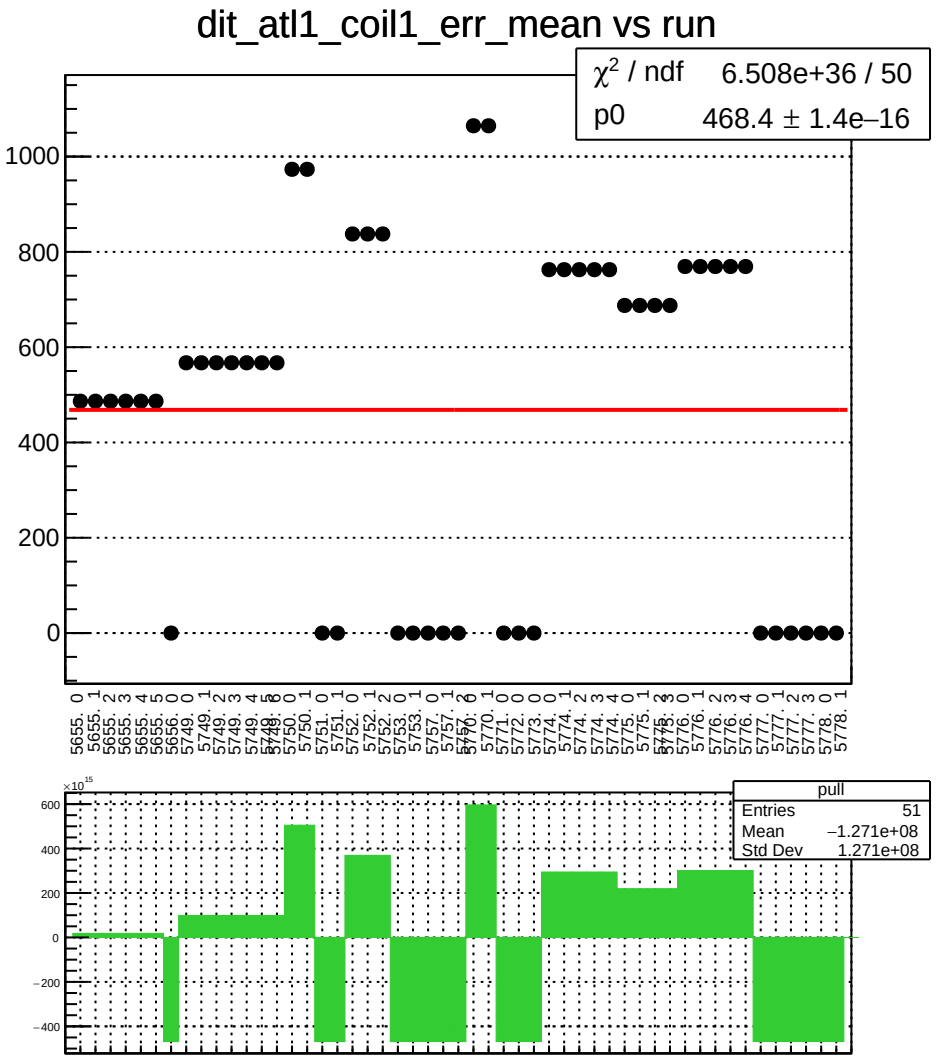

dit_usr_coil1_err_mean vs run
χ² / ndf 2.574e+36 / 50
p0 303.3 ± 1.4e–16
pull
Entries 51
Mean 2.423e+08
Std Dev 2.423e+08

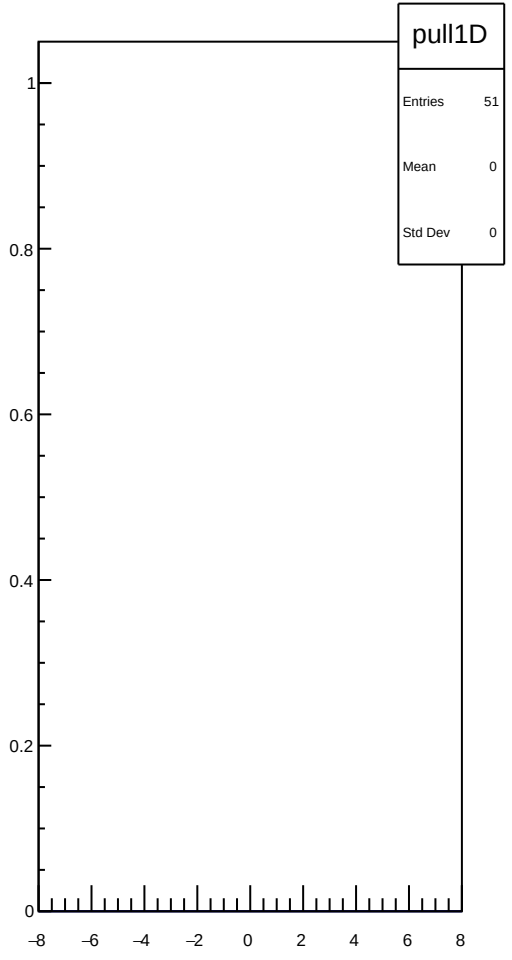

pull1D
Entries 51
Mean 0
Std Dev 0

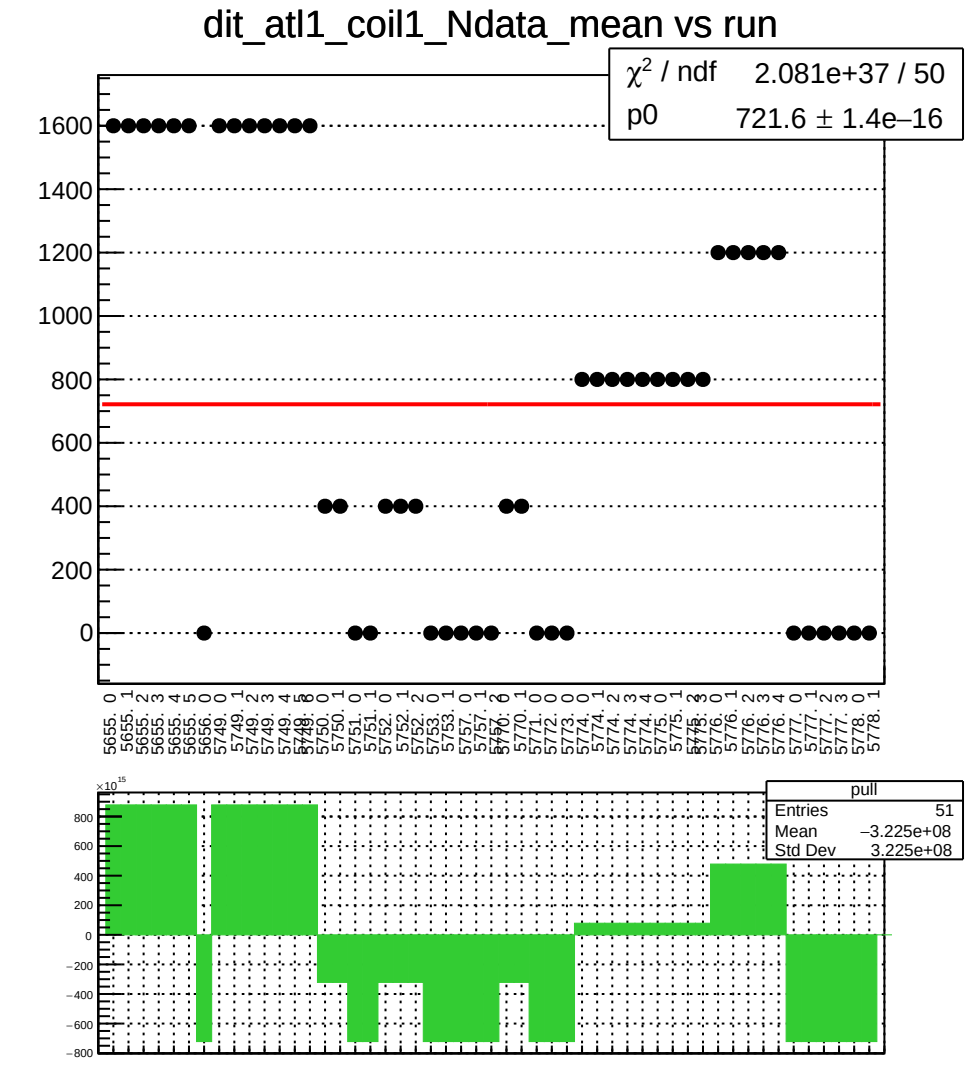

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −3.225e+08
Std Dev 3.225e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

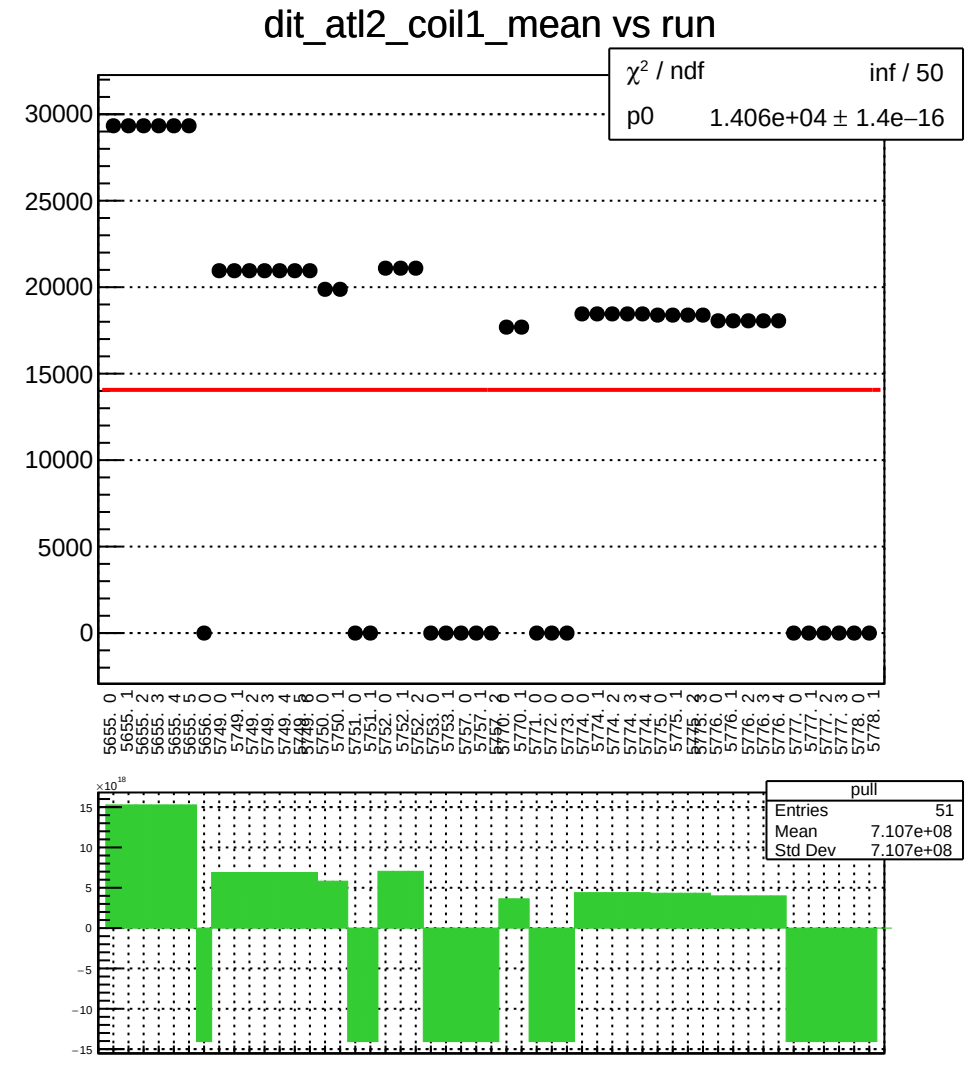

dit_atl1_coil1_mean vs run
χ² / ndf inf / 50
p0 −1e+04 ± 1.4e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
pull
Entries 51
Mean −8.345e+08
Std Dev 8.345e+08
×10¹⁵
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000

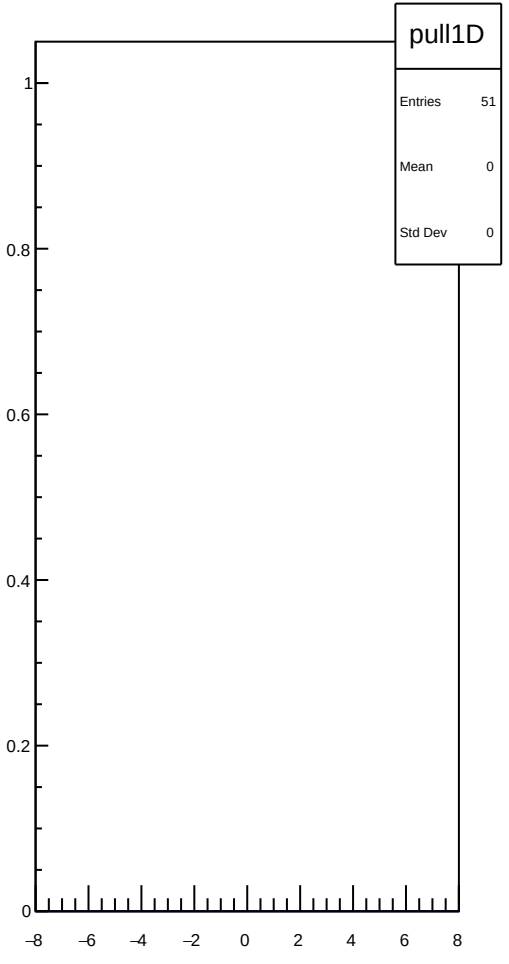

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

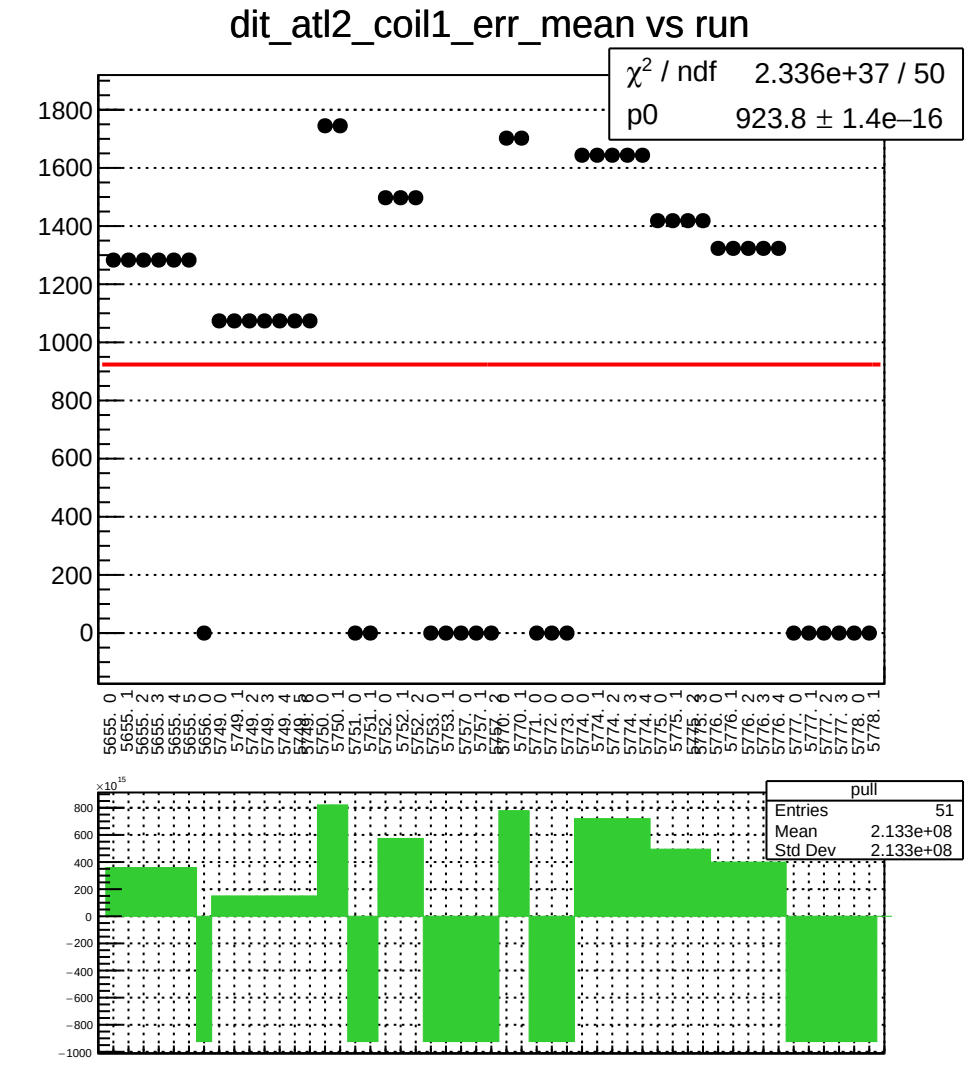

dit_atl1_coil1_err_mean vs run
χ² / ndf 6.508e+36 / 50
p0 468.4 ± 1.4e–16
pull
Entries 51
Mean –1.271e+08
Std Dev 1.271e+08

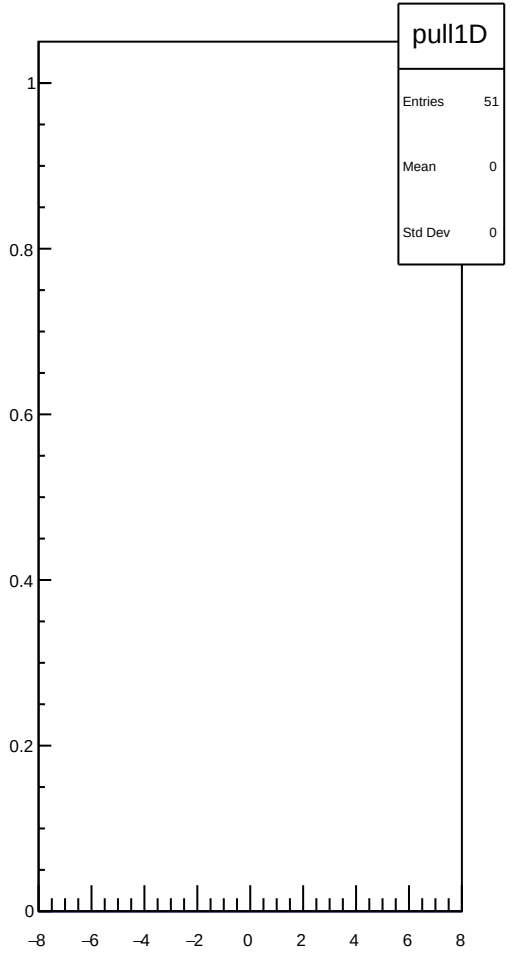

pull1D
Entries 51
Mean 0
Std Dev 0

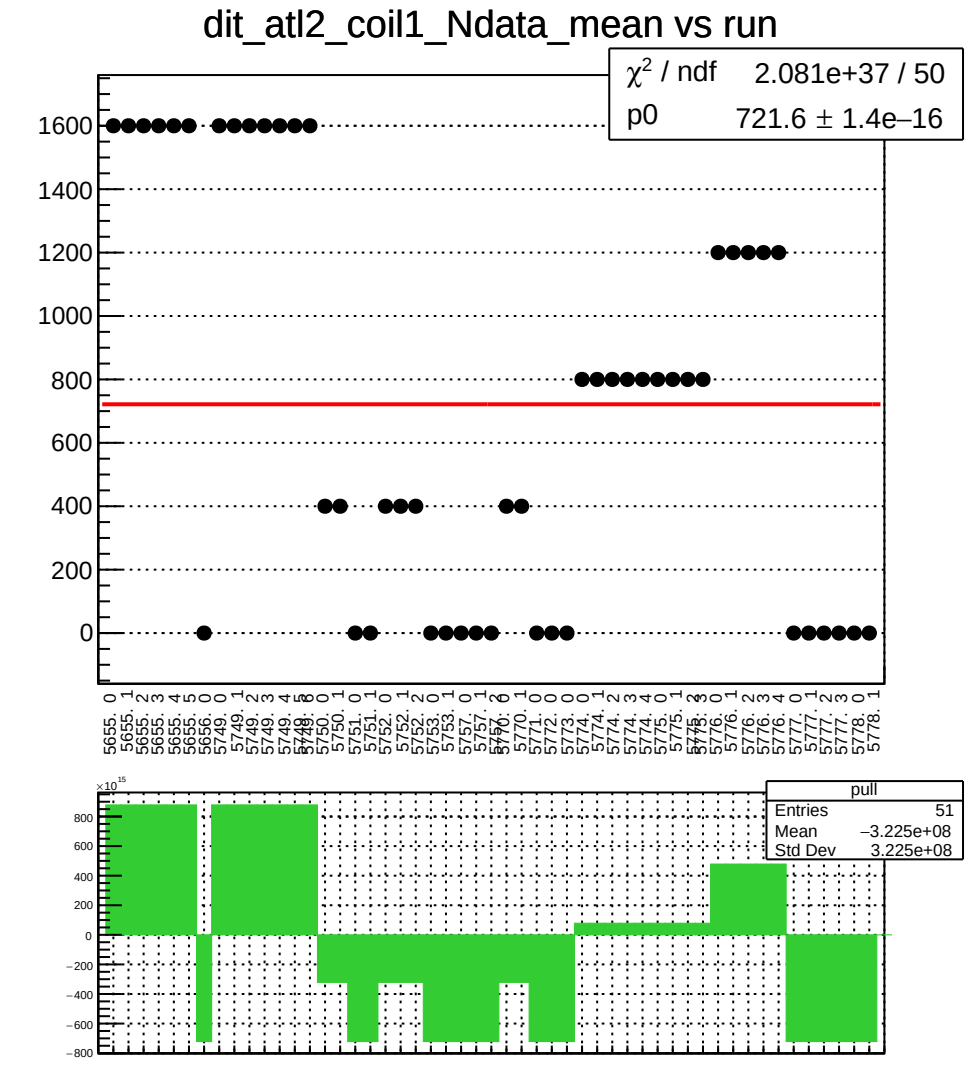

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −3.225e+08
Std Dev 3.225e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

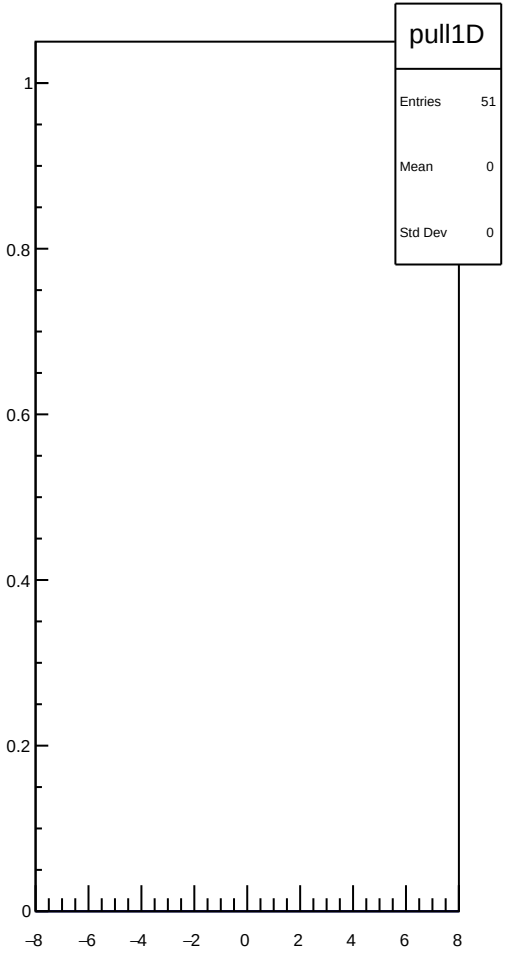

dit_atl2_coil1_mean vs run
χ² / ndf inf / 50
p0 1.406e+04 ± 1.4e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean 7.107e+08
Std Dev 7.107e+08
×10¹⁸
15
10
5
0
−5
−10
−15

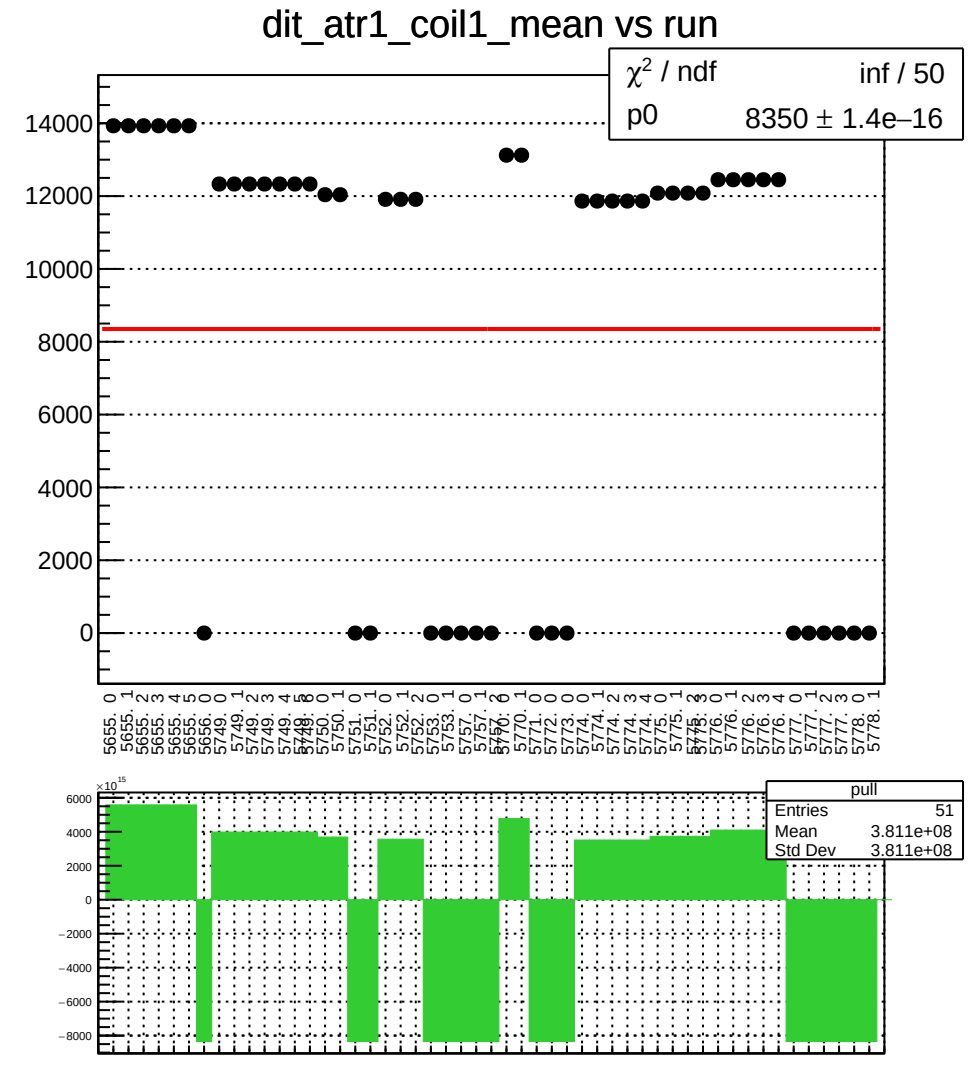

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

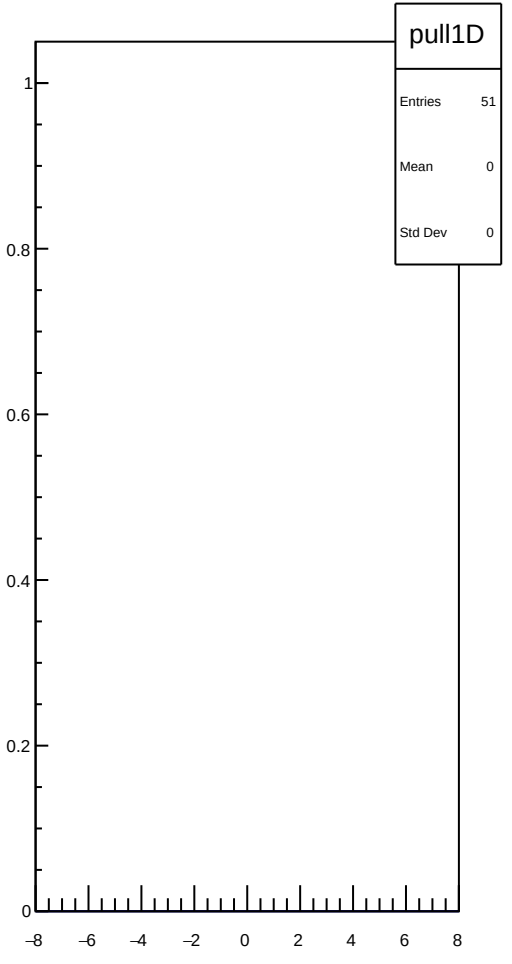

dit_atl2_coil1_err_mean vs run
χ² / ndf 2.336e+37 / 50
p0 923.8 ± 1.4e–16
pull
Entries 51
Mean 2.133e+08
Std Dev 2.133e+08

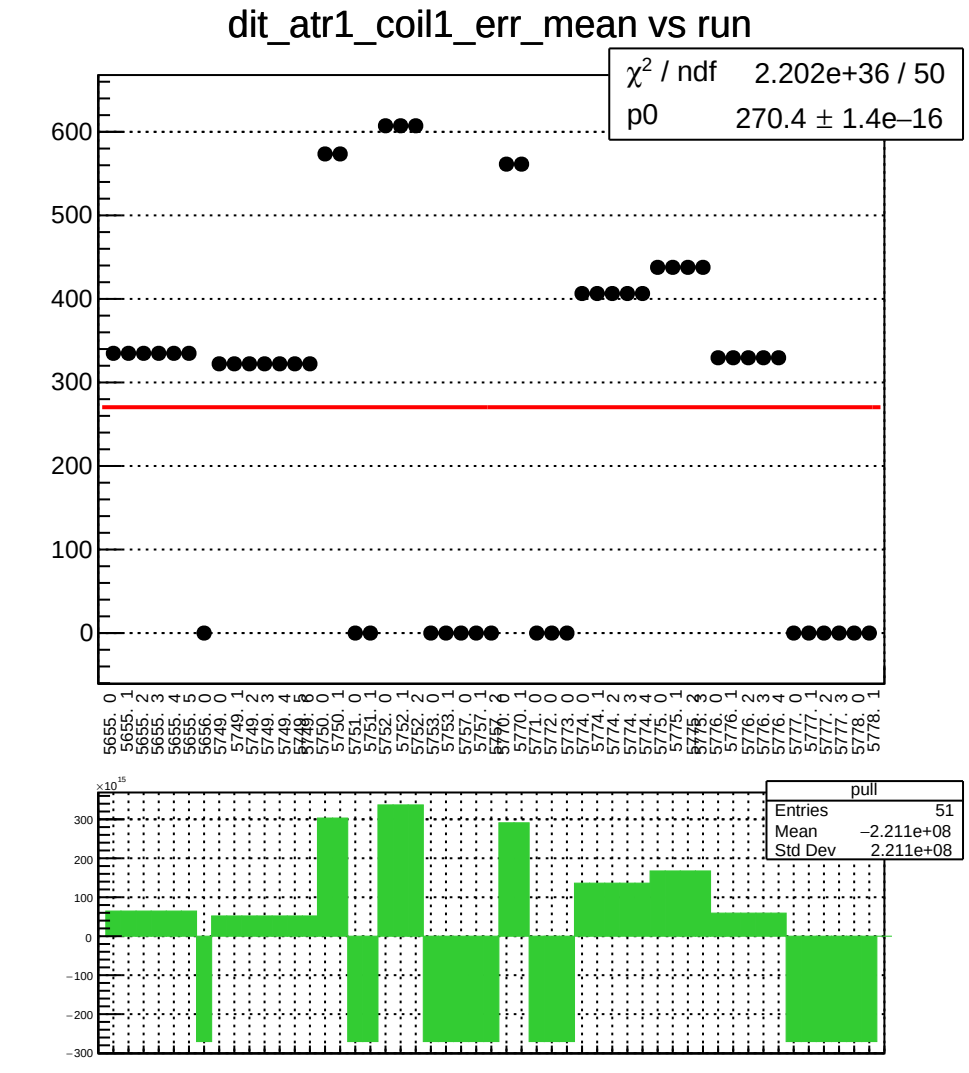

pull1D
Entries 51
Mean 0
Std Dev 0

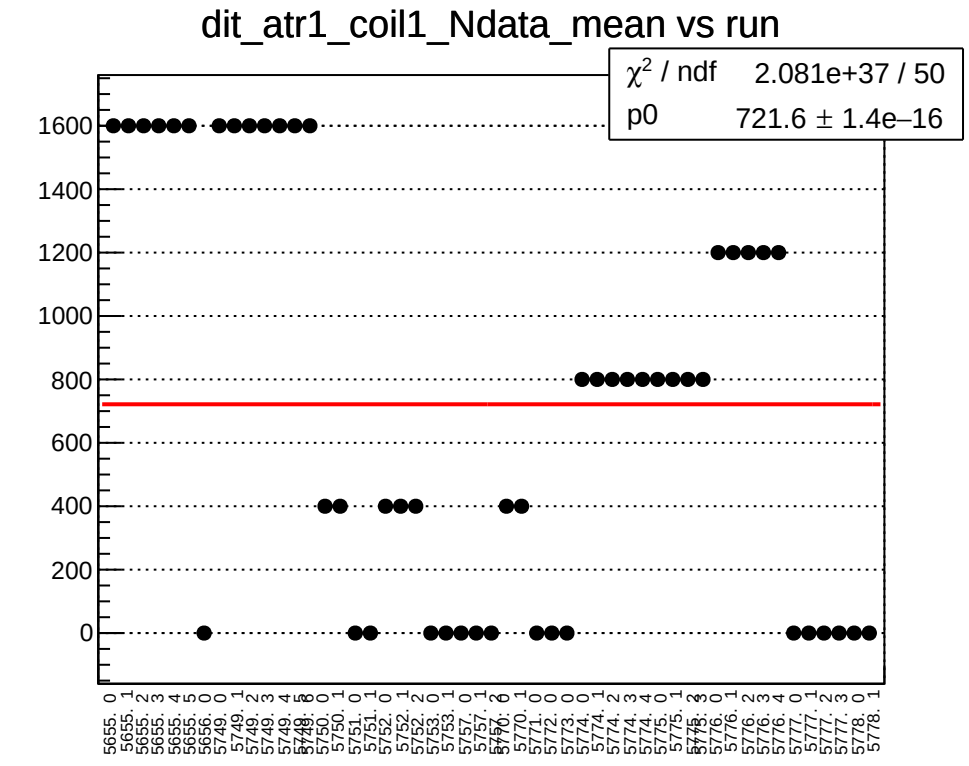

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

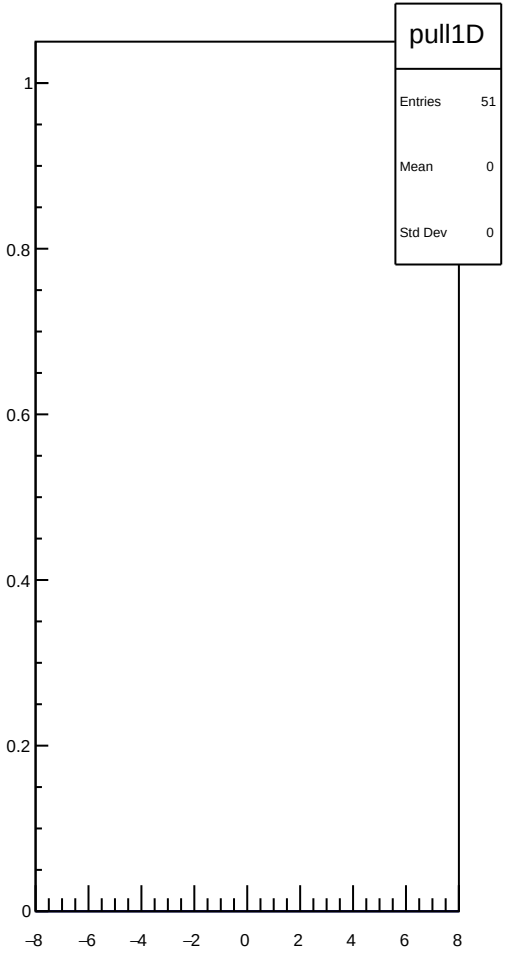

pull1D
Entries 51
Mean 0
Std Dev 0

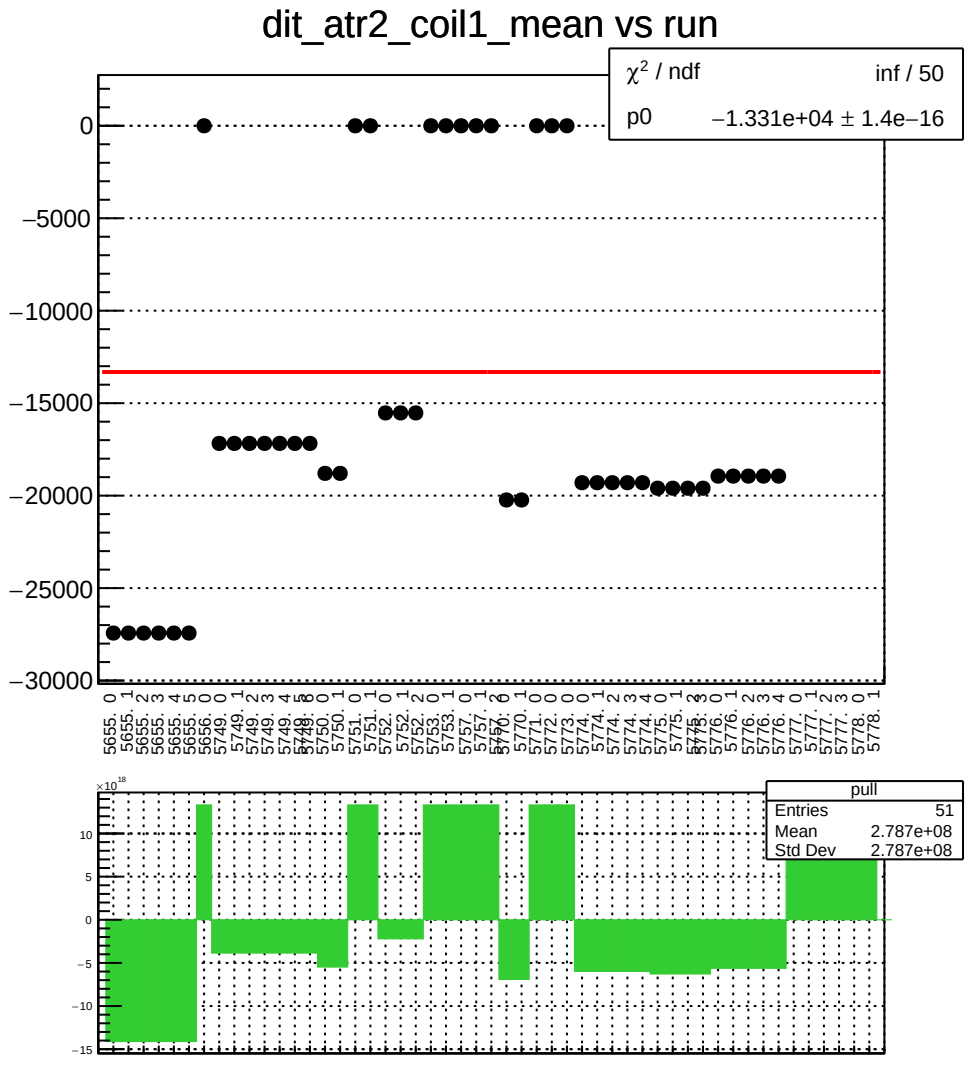

dit_atr1_coil1_mean vs run
χ² / ndf inf / 50
p0 8350 ± 1.4e–16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 51
Mean 3.811e+08
Std Dev 3.811e+08
×10¹⁵
6000
4000
2000
0
−2000
−4000
−6000
−8000

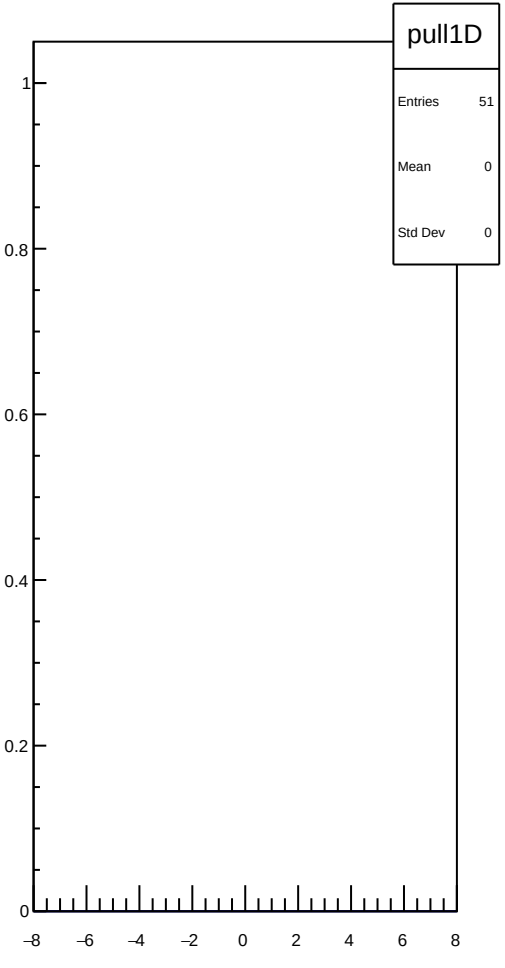

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

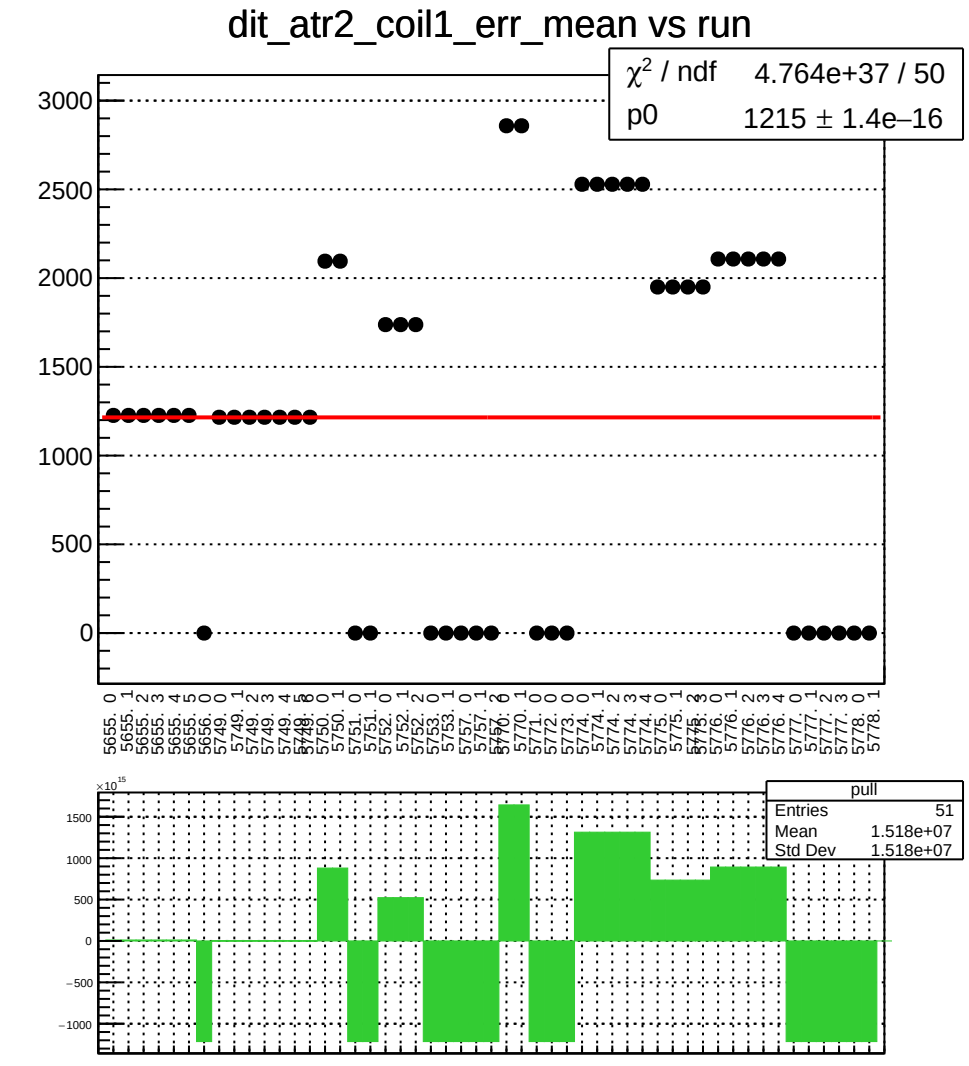

dit_atr1_coil1_err_mean vs run
χ² / ndf 2.202e+36 / 50
p0 270.4 ± 1.4e–16
pull
Entries 51
Mean –2.211e+08
Std Dev 2.211e+08
pull1D
Entries 51
Mean 0
Std Dev 0

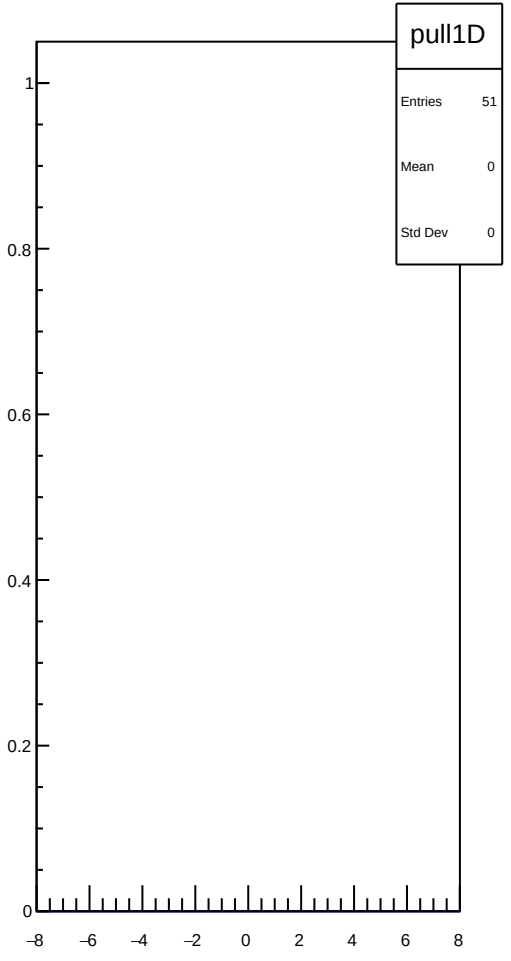

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −3.225e+08
Std Dev 3.225e+08

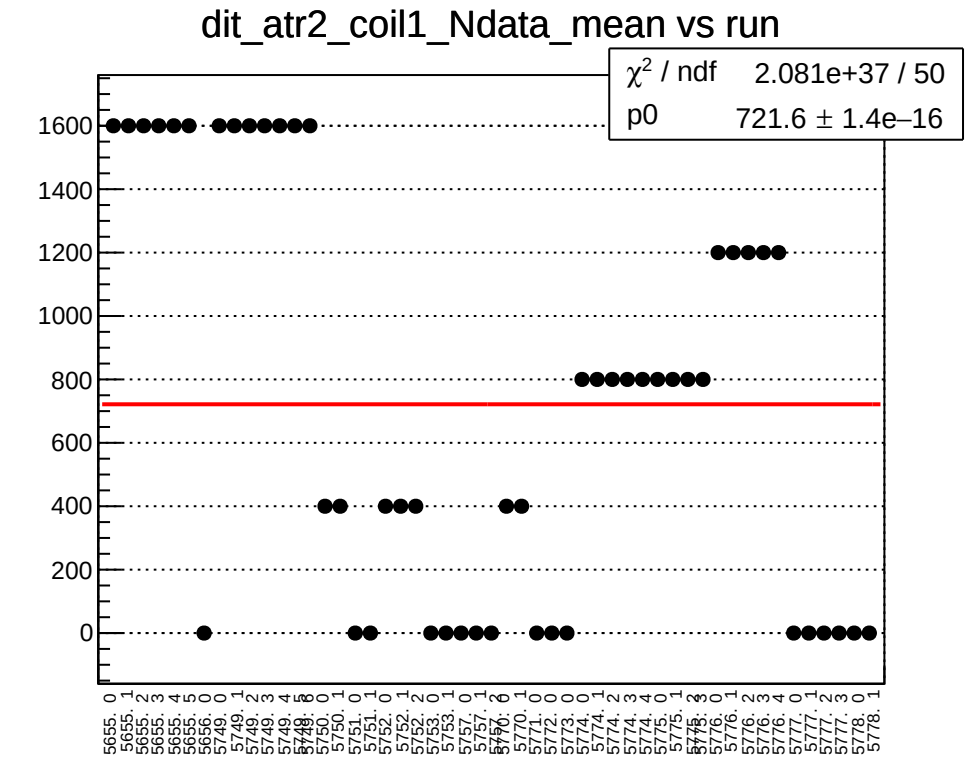

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

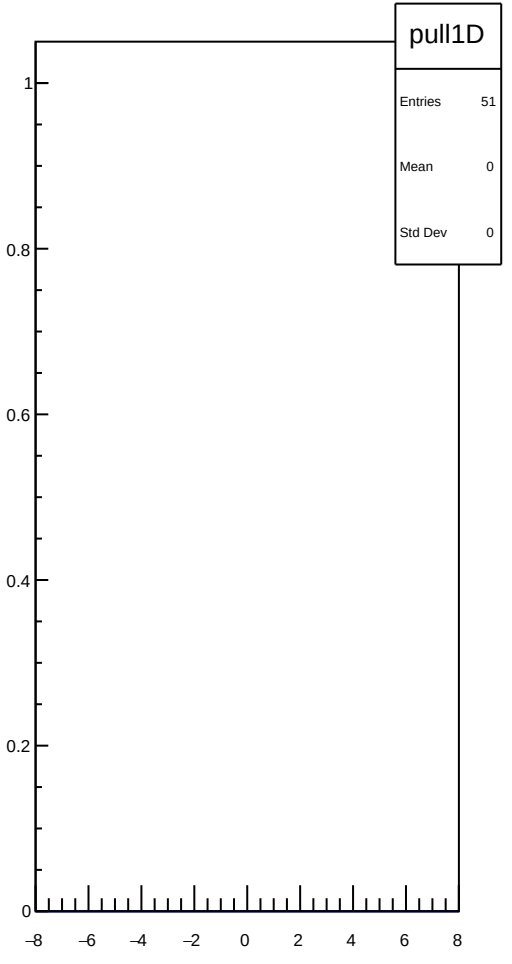

dit_atr2_coil1_mean vs run
χ² / ndf inf / 50
p0 −1.331e+04 ± 1.4e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 51
Mean 2.787e+08
Std Dev 2.787e+08

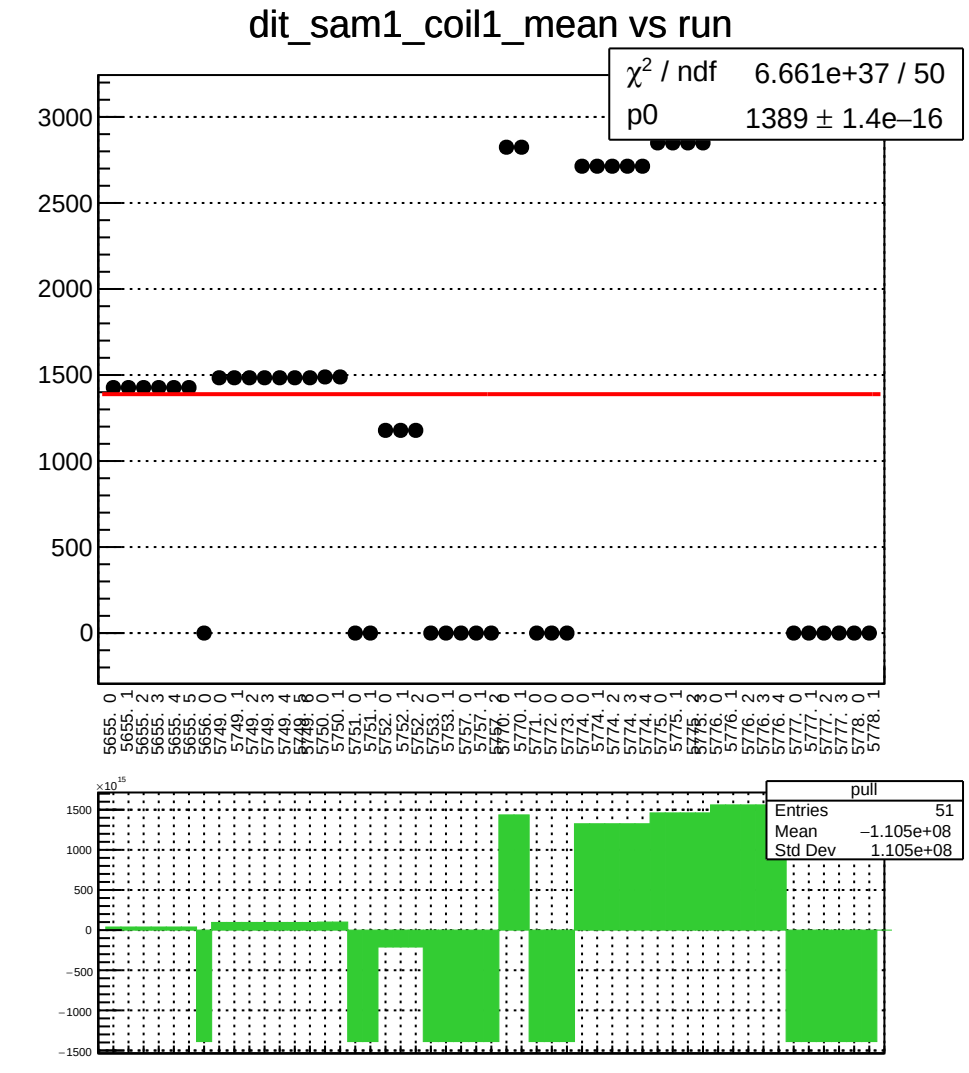

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

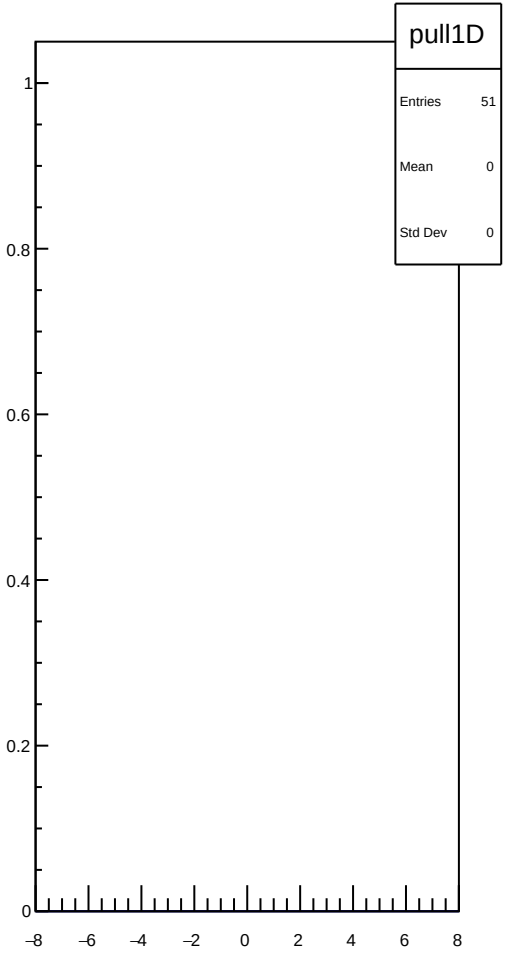

dit_atr2_coil1_err_mean vs run
χ² / ndf 4.764e+37 / 50
p0 1215 ± 1.4e–16
pull
Entries 51
Mean 1.518e+07
Std Dev 1.518e+07

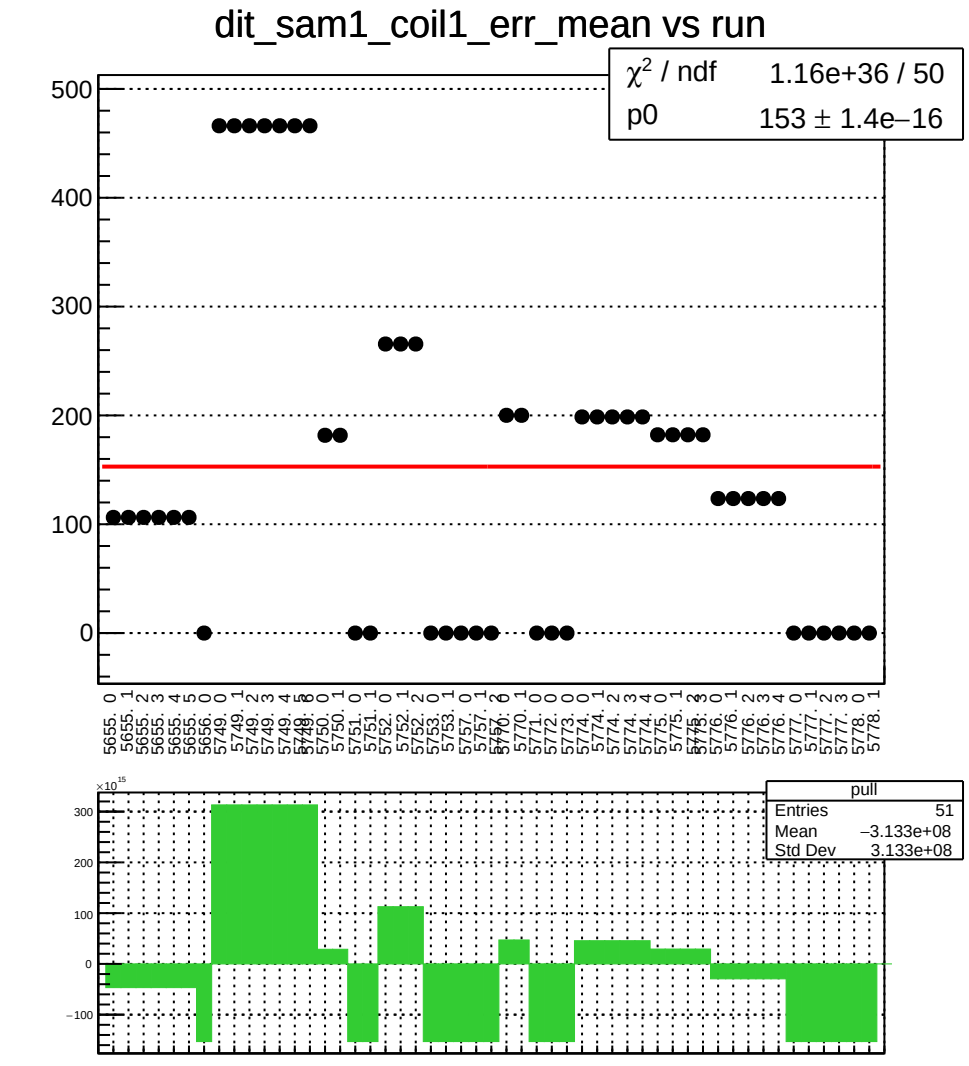

pull1D
Entries 51
Mean 0
Std Dev 0

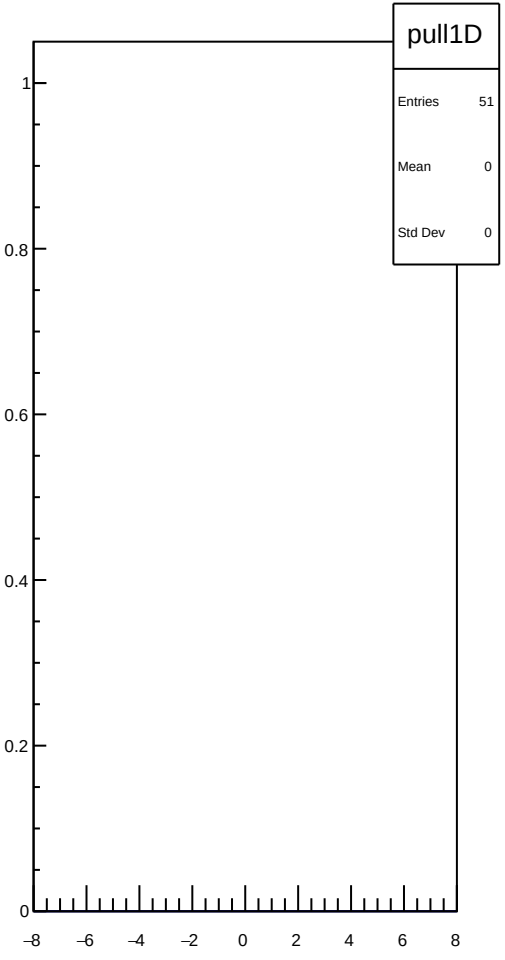

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

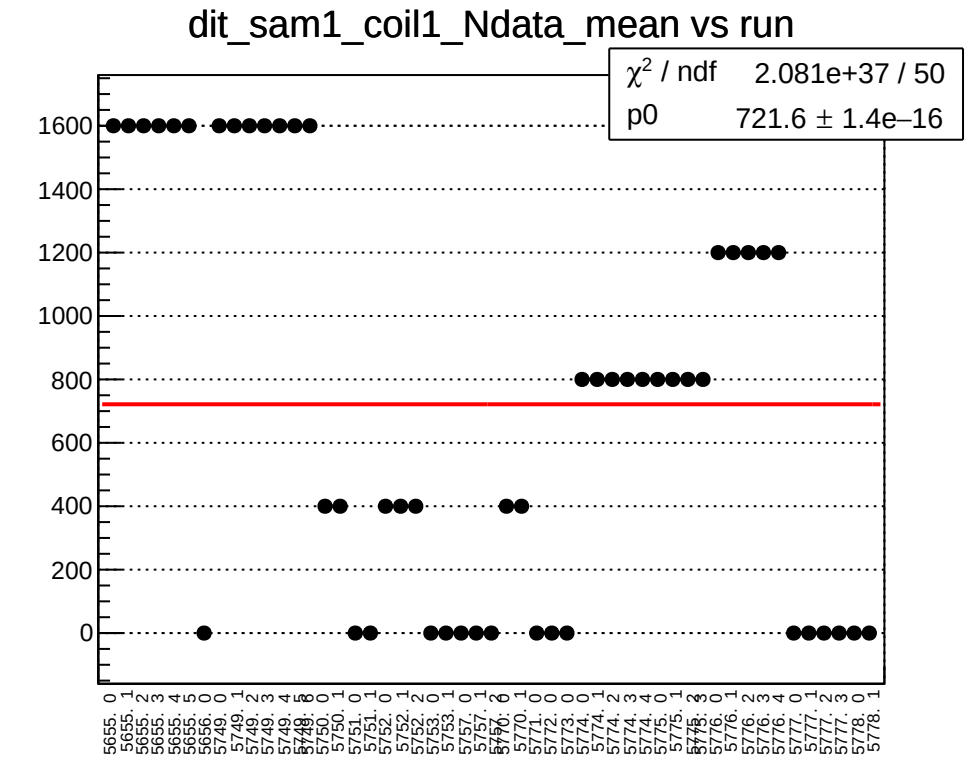

pull1D
Entries 51
Mean 0
Std Dev 0

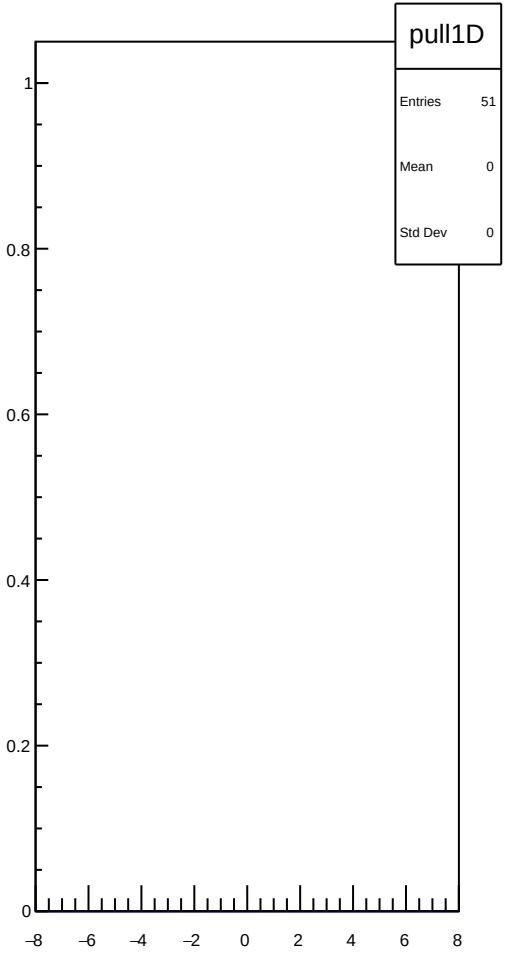

dit_sam1_coil1_mean vs run
χ² / ndf 6.661e+37 / 50
p0 1389 ± 1.4e–16
3000
2500
2000
1500
1000
500
0
pull
Entries 51
Mean –1.105e+08
Std Dev 1.105e+08
×10¹⁵
1500
1000
500
0
–500
–1000
–1500

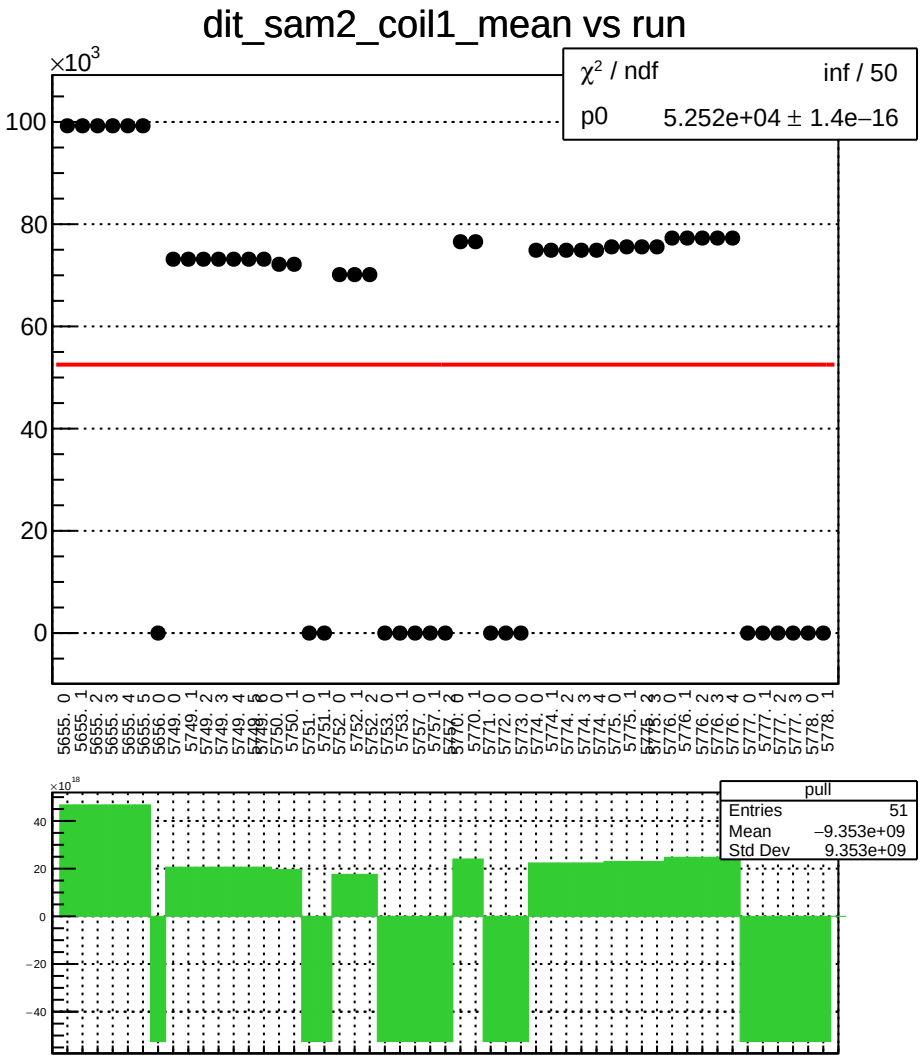

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

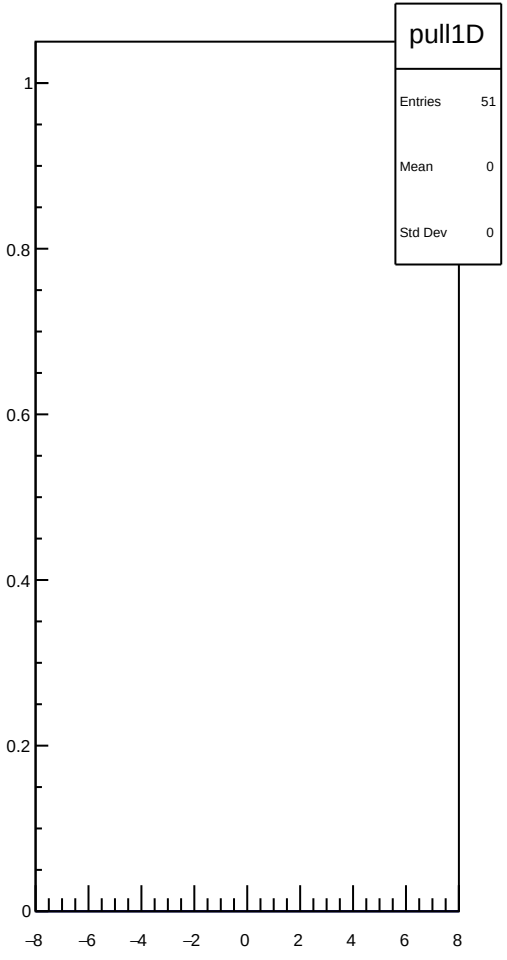

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.16e+36 / 50
p0 153 ± 1.4e−16
pull
Entries 51
Mean −3.133e+08
Std Dev 3.133e+08

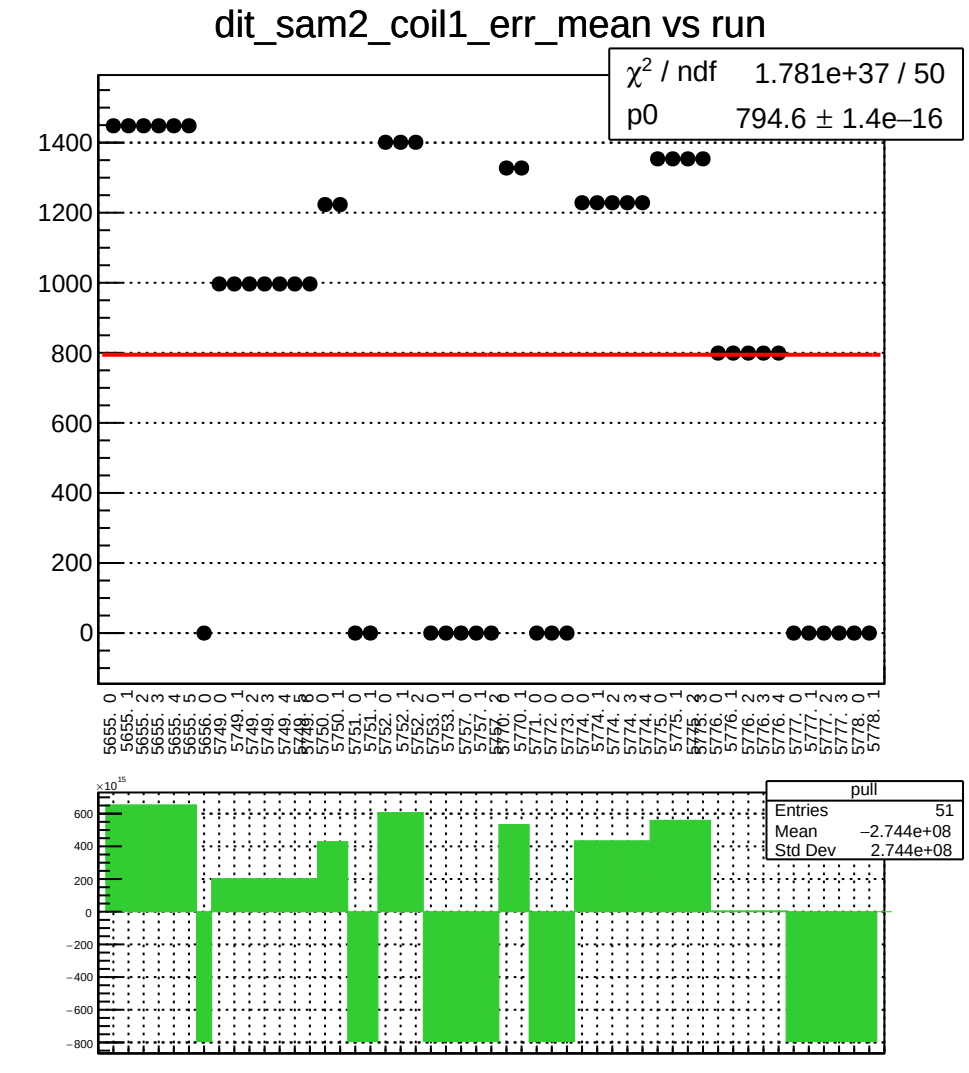

pull1D
Entries 51
Mean 0
Std Dev 0

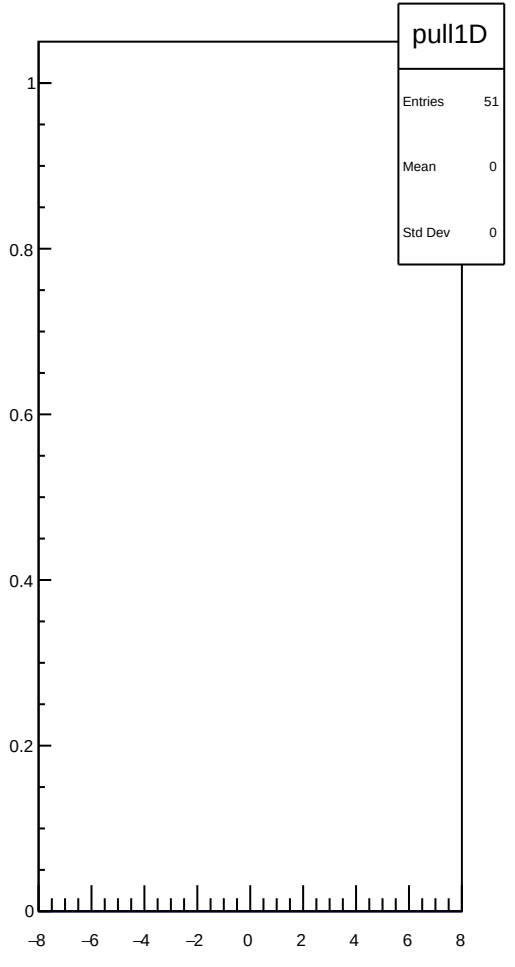

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

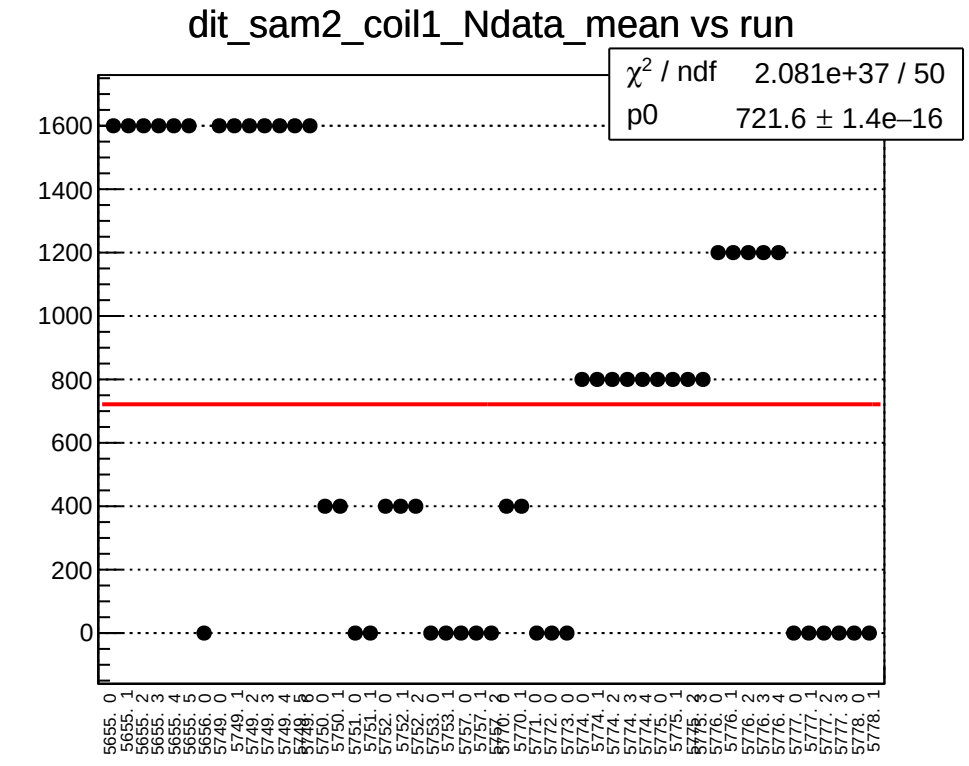

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

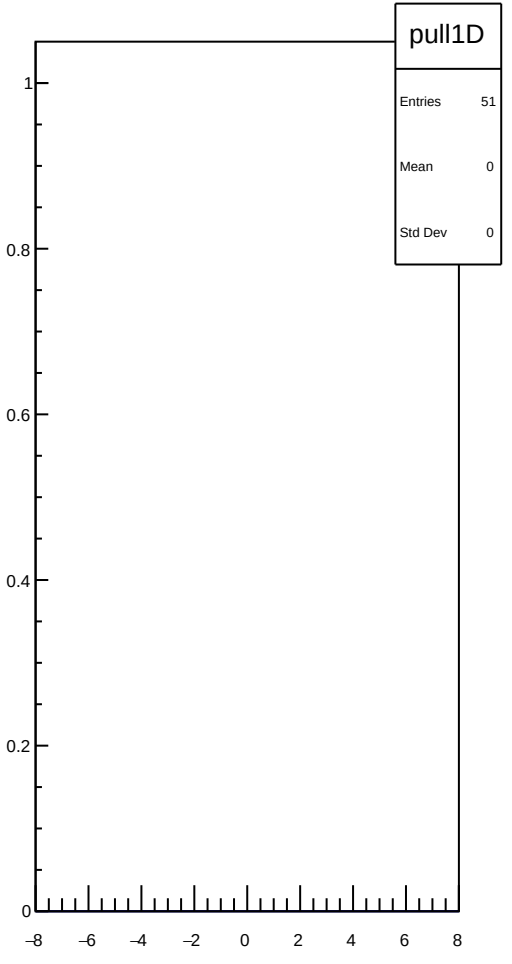

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 50
p0 5.252e+04 ± 1.4e−16
100
80
60
40
20
0
×10^18
pull
Entries 51
Mean −9.353e+09
Std Dev 9.353e+09
40
20
0
−20
−40

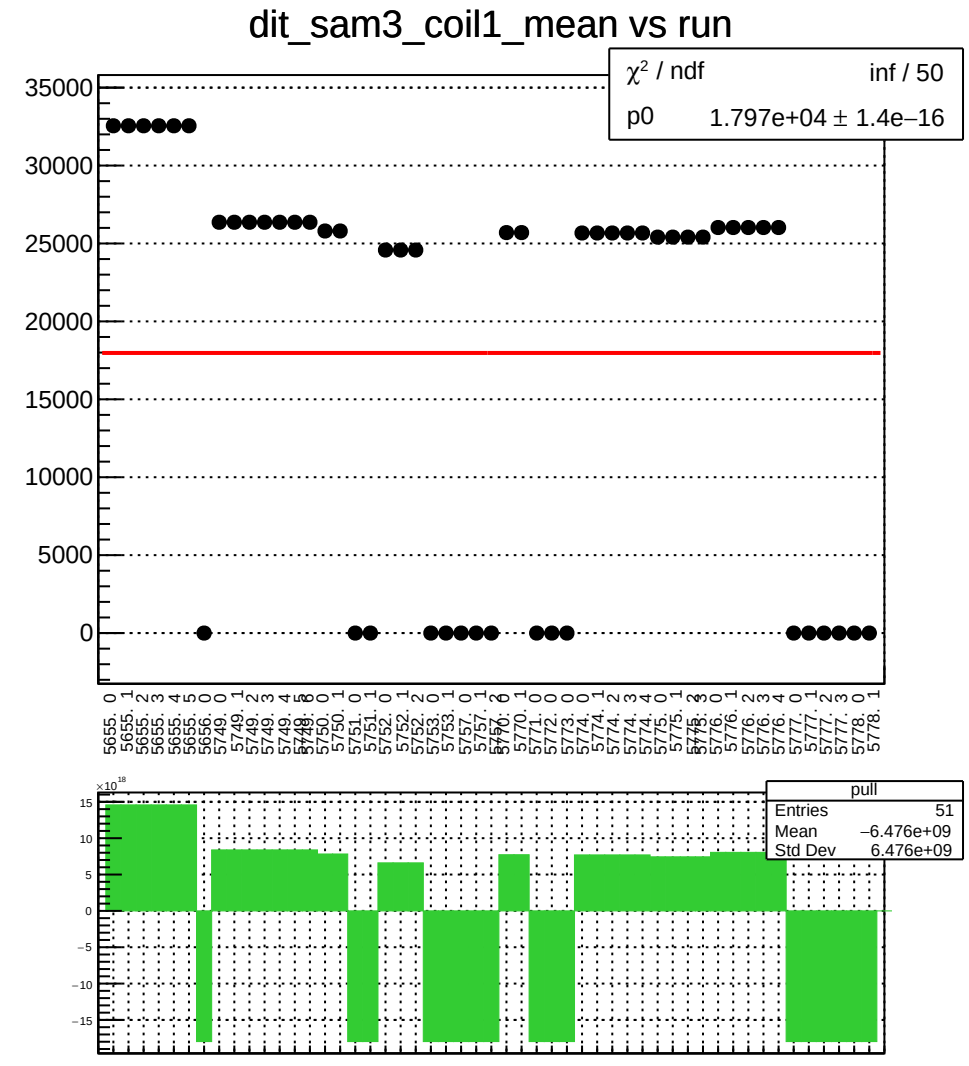

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

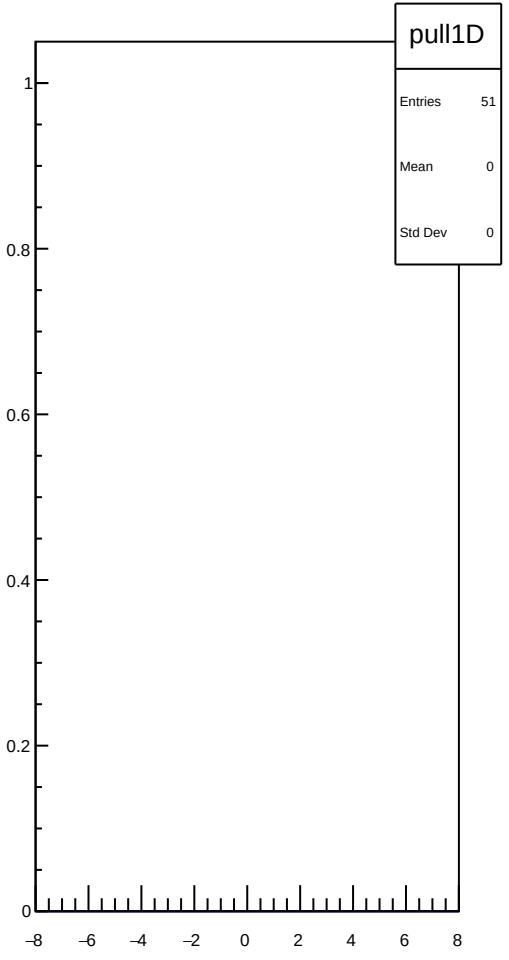

dit_sam2_coil1_err_mean vs run
χ² / ndf 1.781e+37 / 50
p0 794.6 ± 1.4e–16
pull
Entries 51
Mean –2.744e+08
Std Dev 2.744e+08

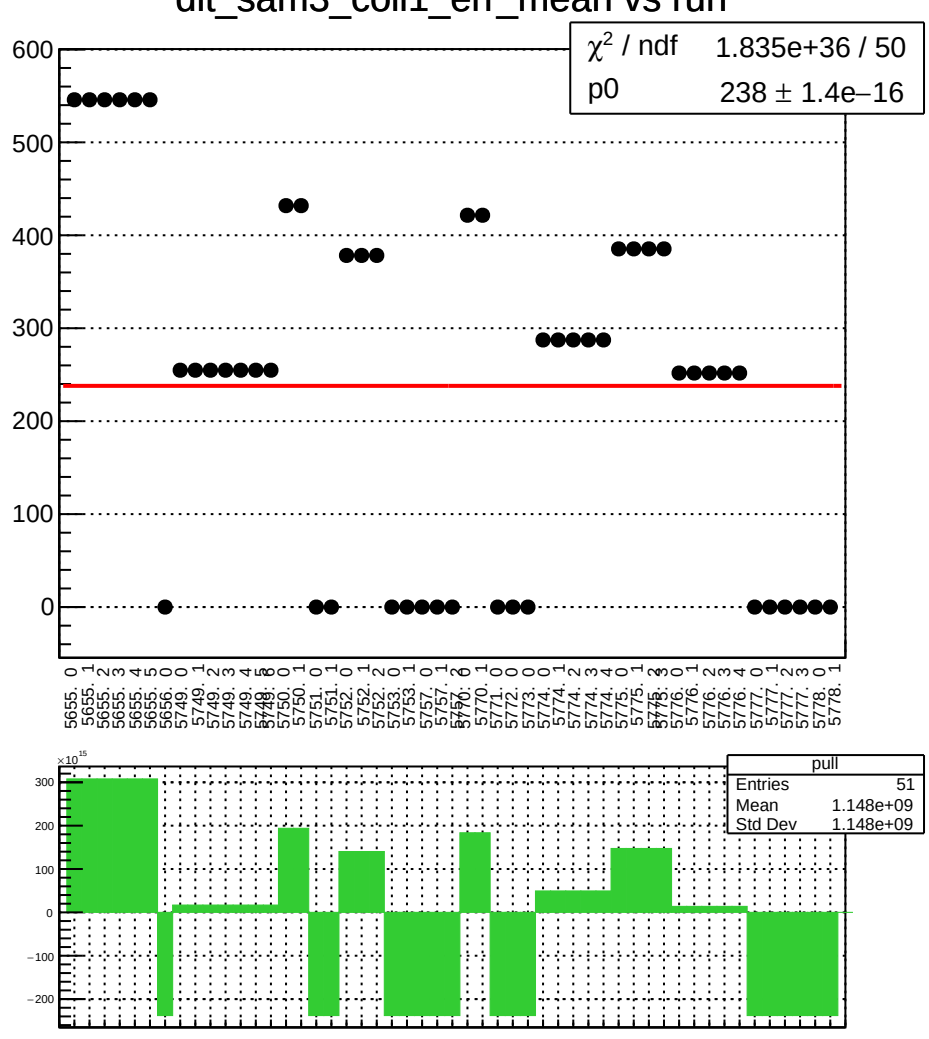

pull1D
Entries 51
Mean 0
Std Dev 0

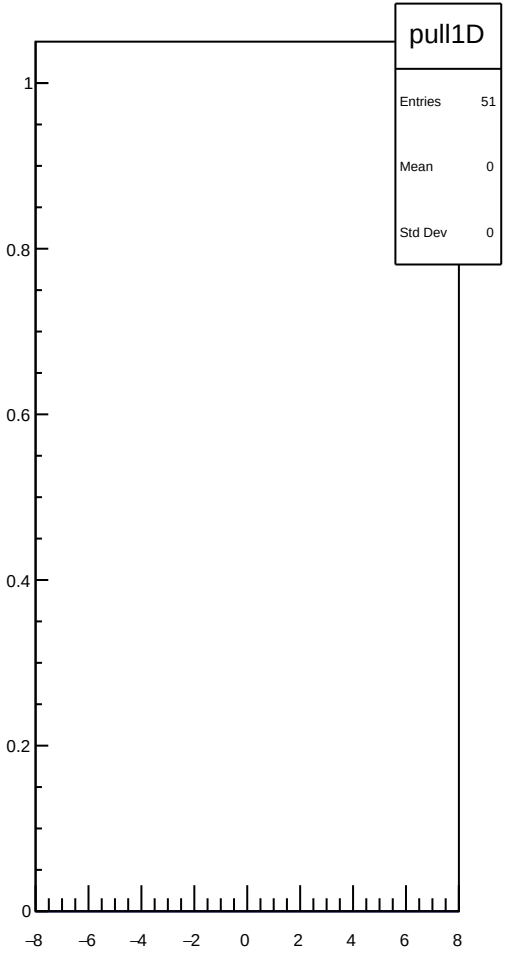

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

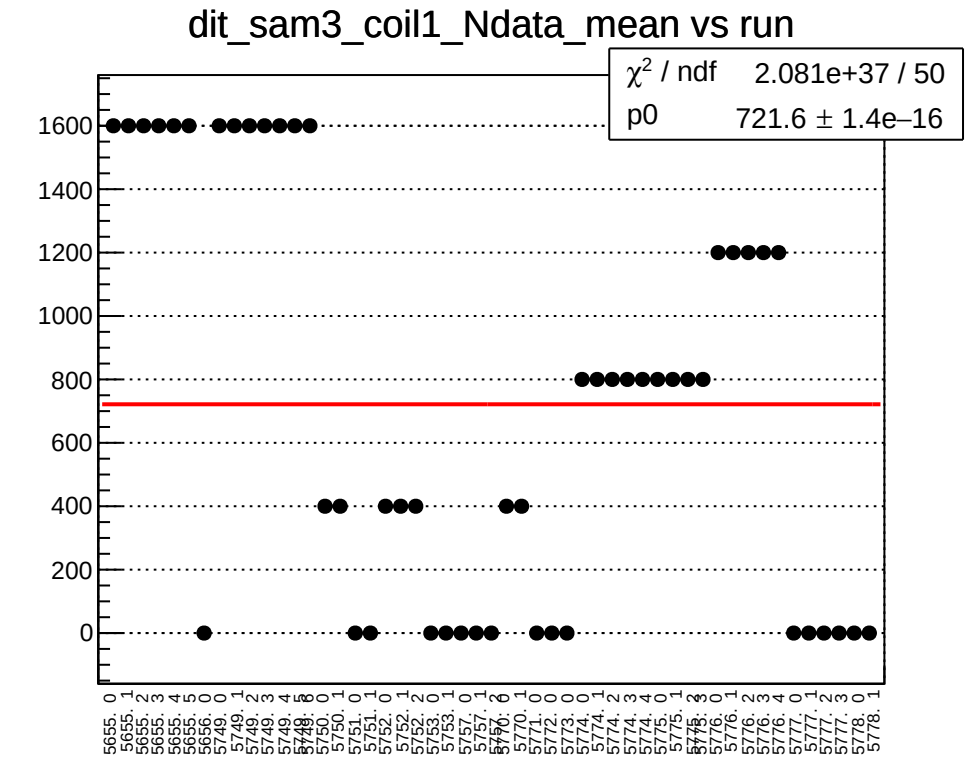

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

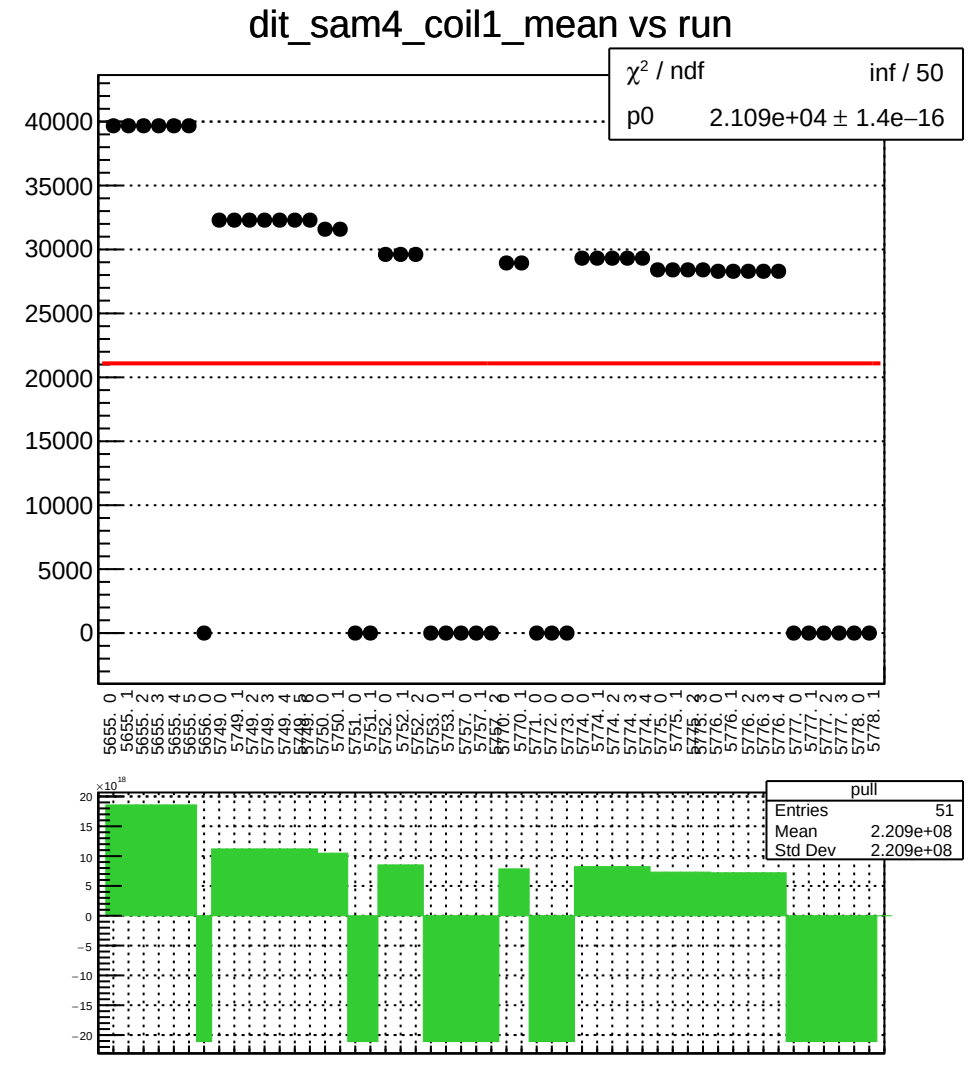

dit_sam3_coil1_mean vs run
χ² / ndf inf / 50
p0 1.797e+04 ± 1.4e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean −6.476e+09
Std Dev 6.476e+09
×10¹⁸
15
10
5
0
−5
−10
−15

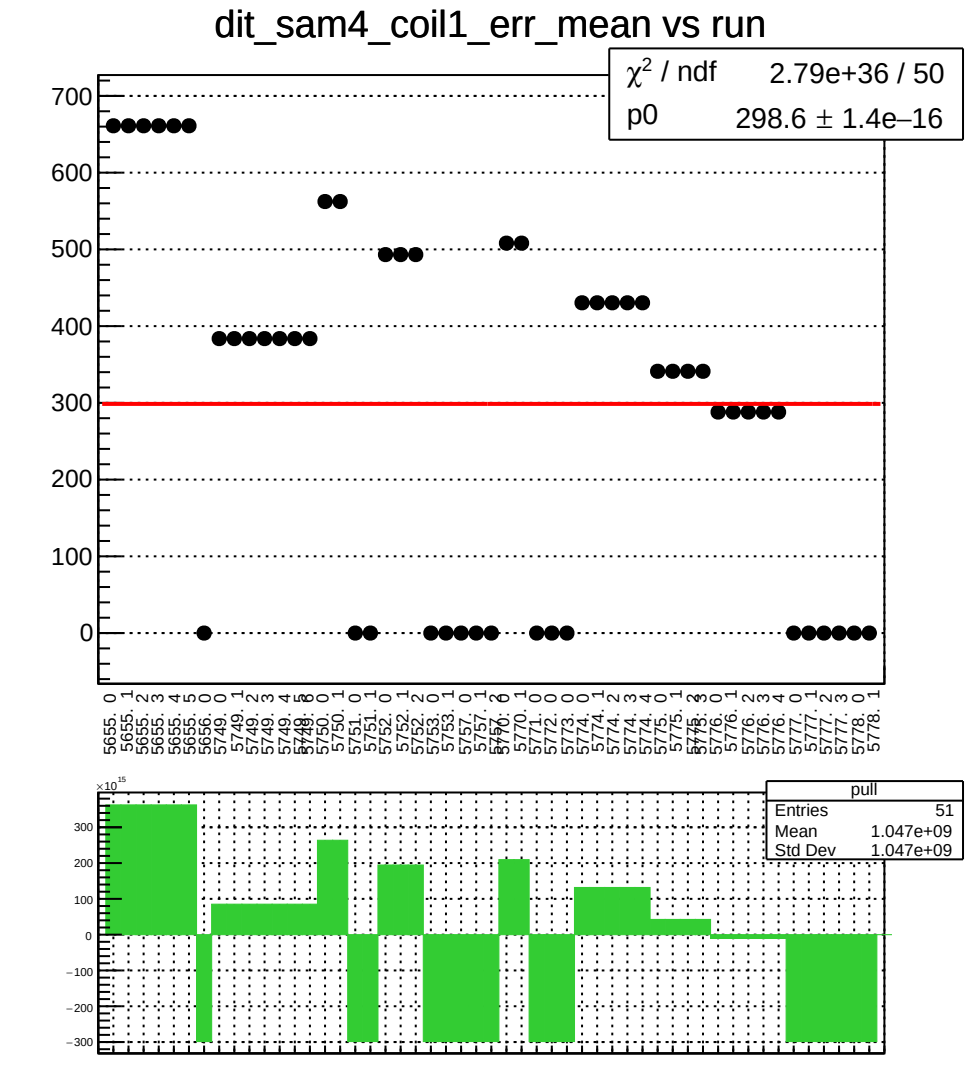

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

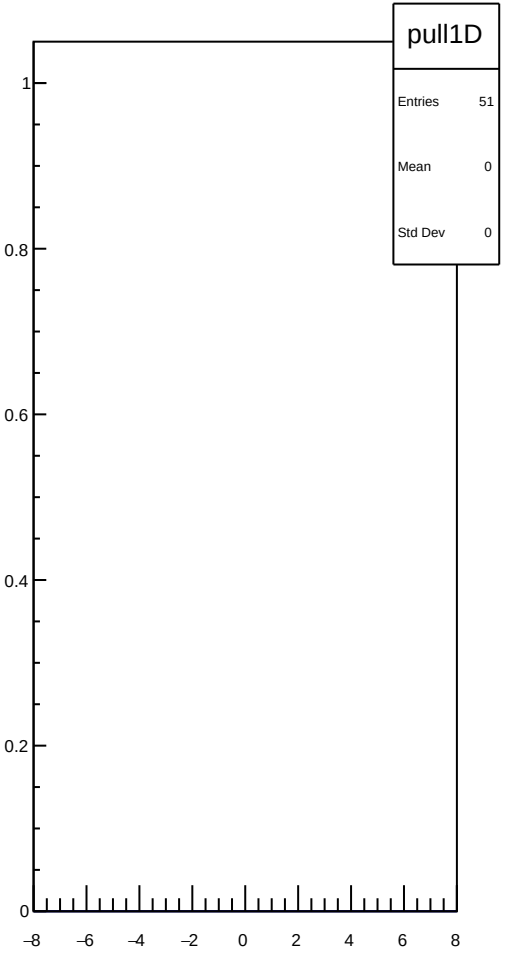

dit_sam3_coil1_err_mean vs run
χ² / ndf 1.835e+36 / 50
p0 238 ± 1.4e−16
pull
Entries 51
Mean 1.148e+09
Std Dev 1.148e+09

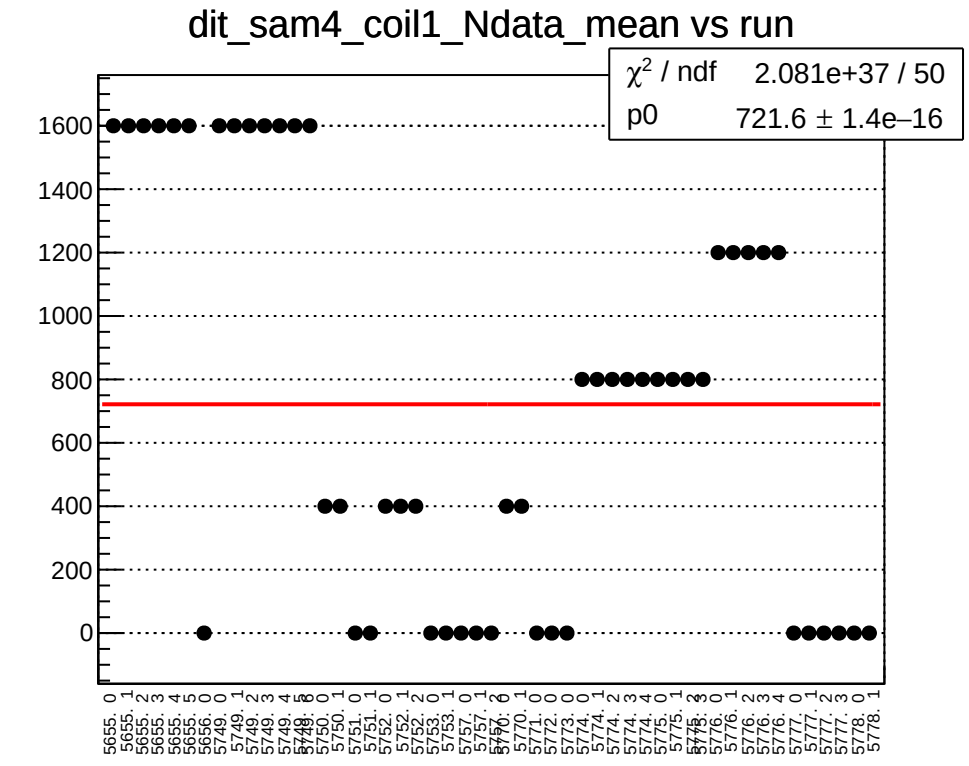

pull1D
Entries 51
Mean 0
Std Dev 0

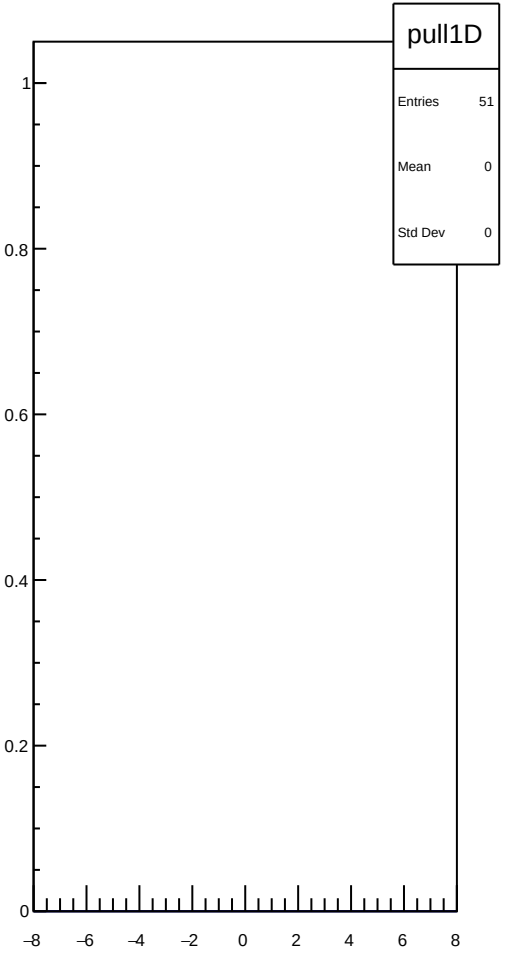

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −3.225e+08
Std Dev 3.225e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

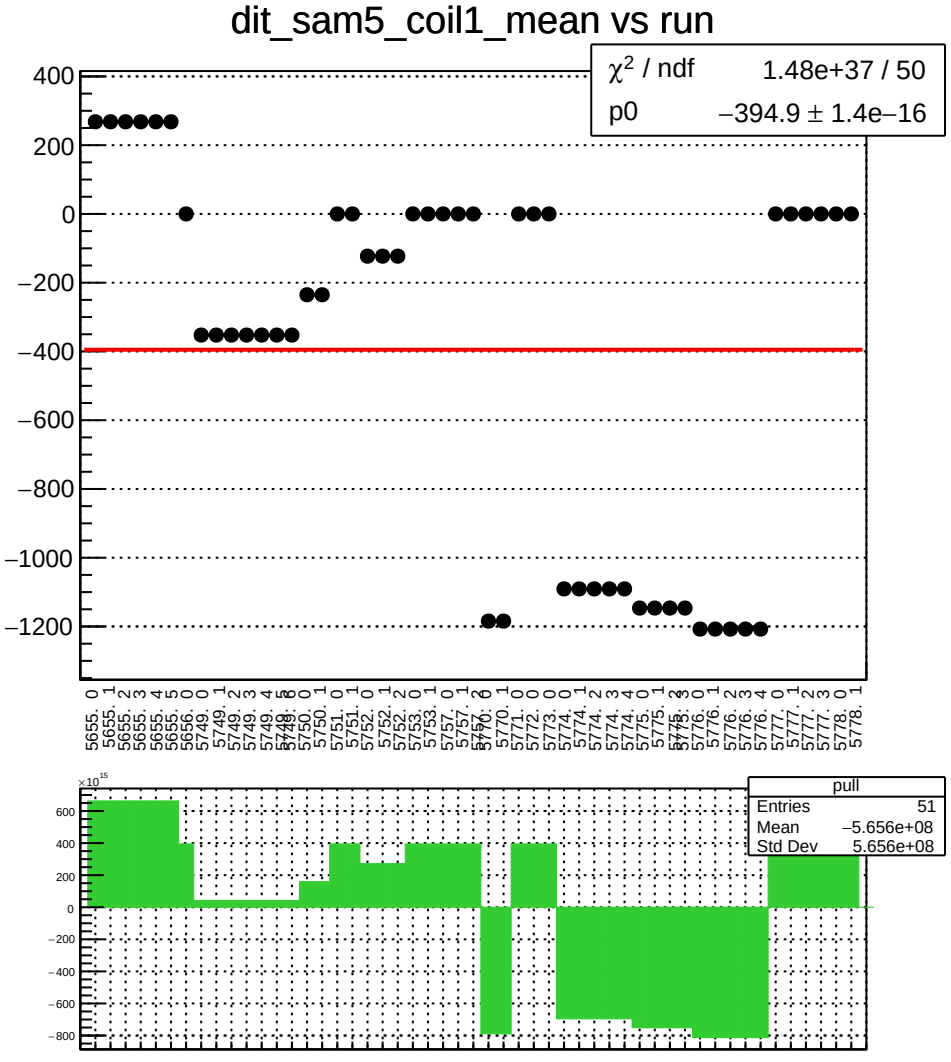

dit_sam4_coil1_mean vs run
χ² / ndf inf / 50
p0 2.109e+04 ± 1.4e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁸
20
15
10
5
0
−5
−10
−15
−20
pull
Entries 51
Mean 2.209e+08
Std Dev 2.209e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

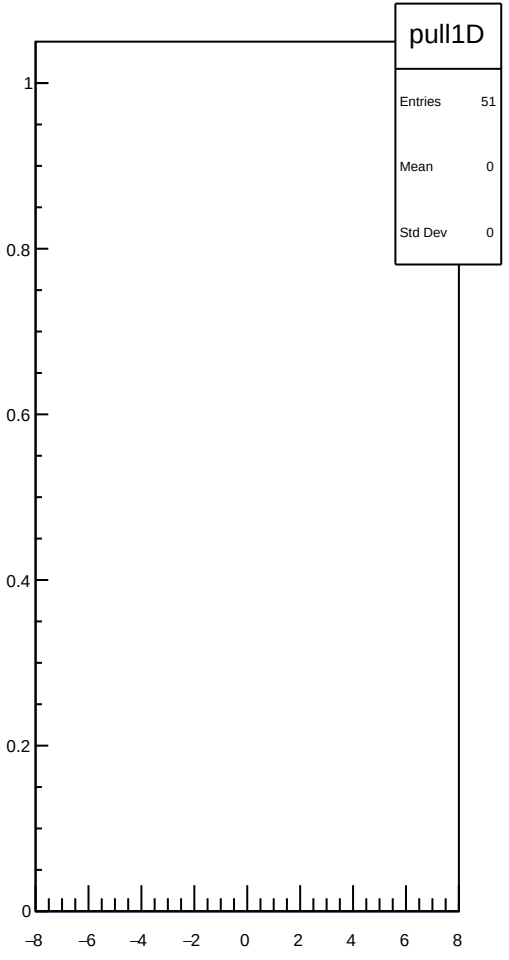

dit_sam4_coil1_err_mean vs run
χ² / ndf 2.79e+36 / 50
p0 298.6 ± 1.4e–16
pull
Entries 51
Mean 1.047e+09
Std Dev 1.047e+09

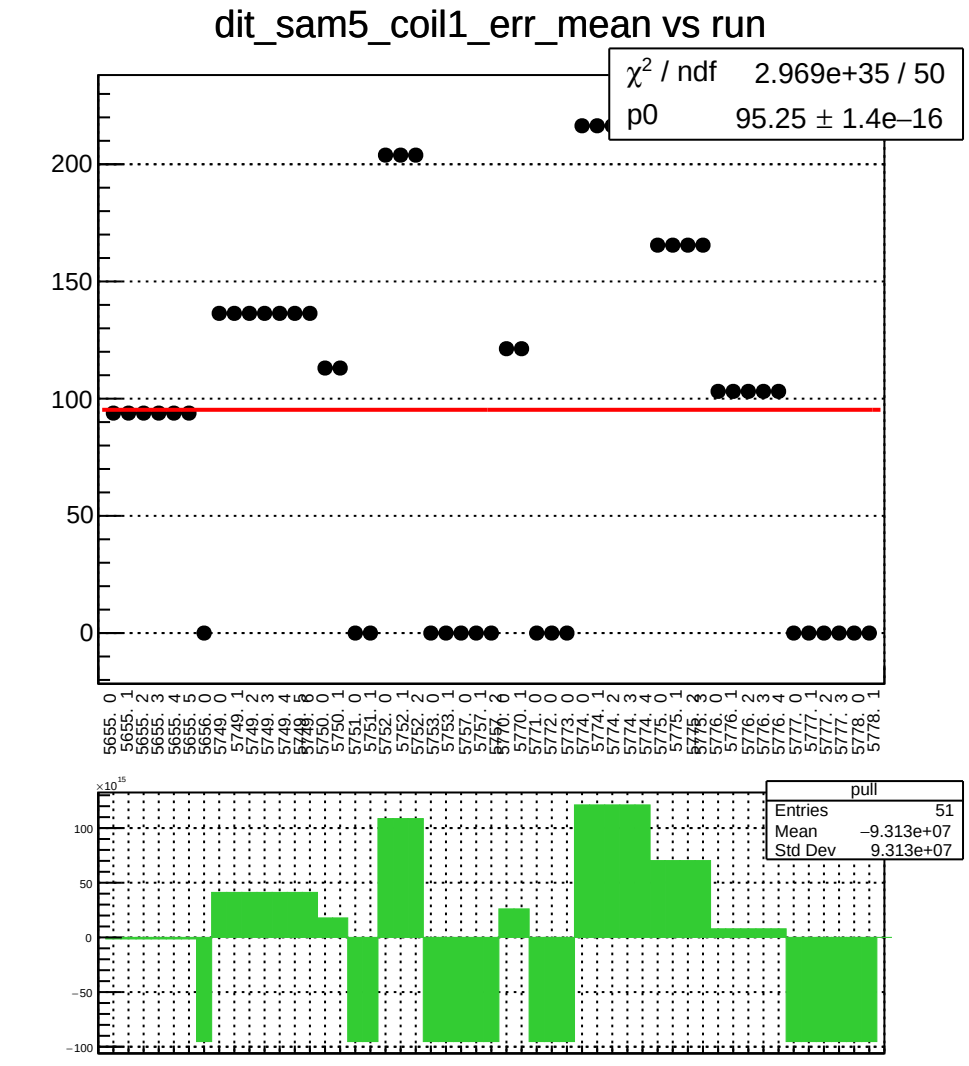

pull1D
Entries 51
Mean 0
Std Dev 0

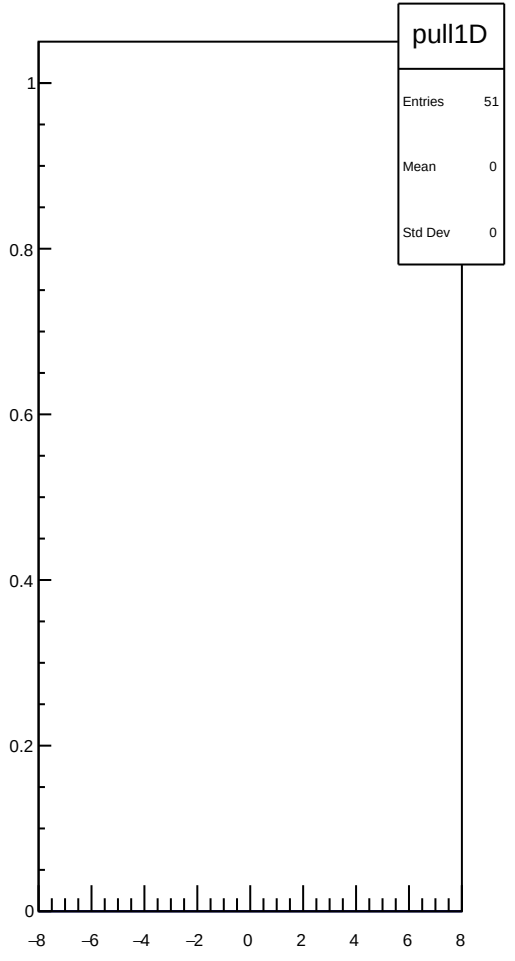

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

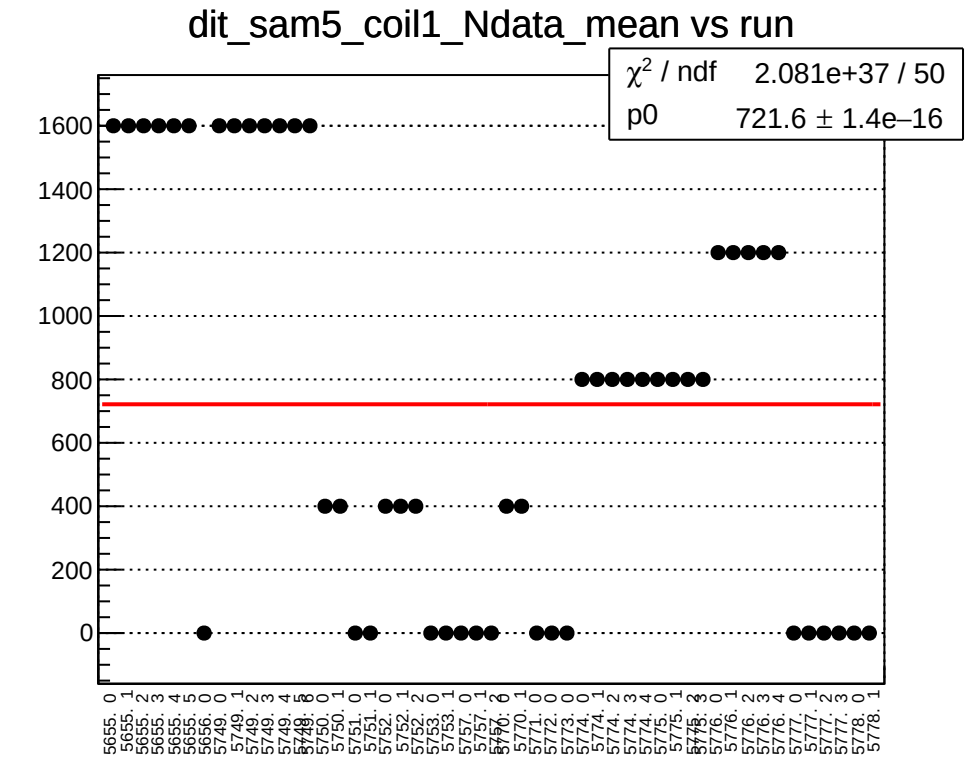

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

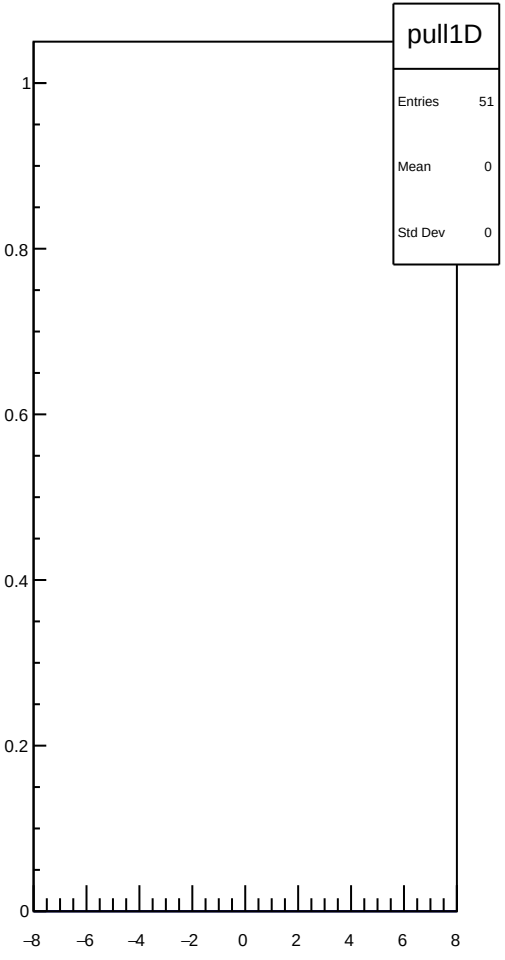

dit_sam5_coil1_mean vs run
χ² / ndf 1.48e+37 / 50
p0 −394.9 ± 1.4e−16
pull
Entries 51
Mean −5.656e+08
Std Dev 5.656e+08

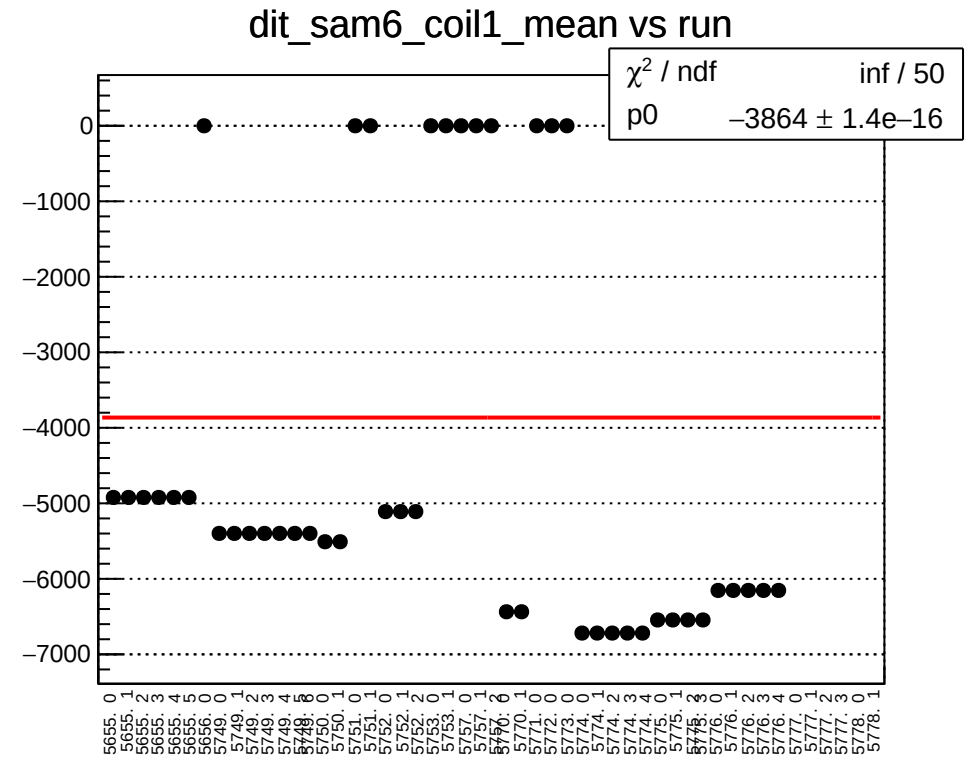

pull1D
Entries 51
Mean 0
Std Dev 0

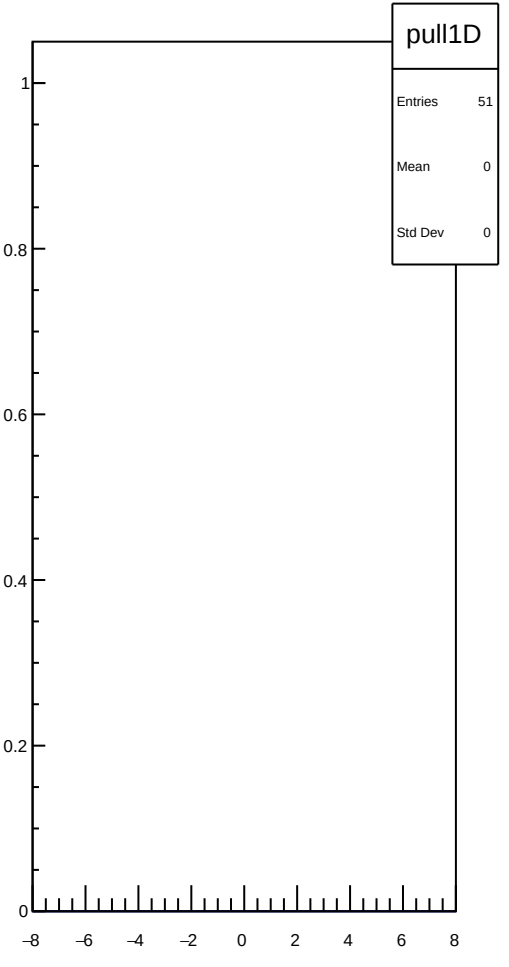

dit_sam5_coil1_err_mean vs run
χ² / ndf 2.969e+35 / 50
p0 95.25 ± 1.4e–16
200
150
100
50
0
pull
Entries 51
Mean –9.313e+07
Std Dev 9.313e+07
×10¹⁵
100
50
0
–50
–100

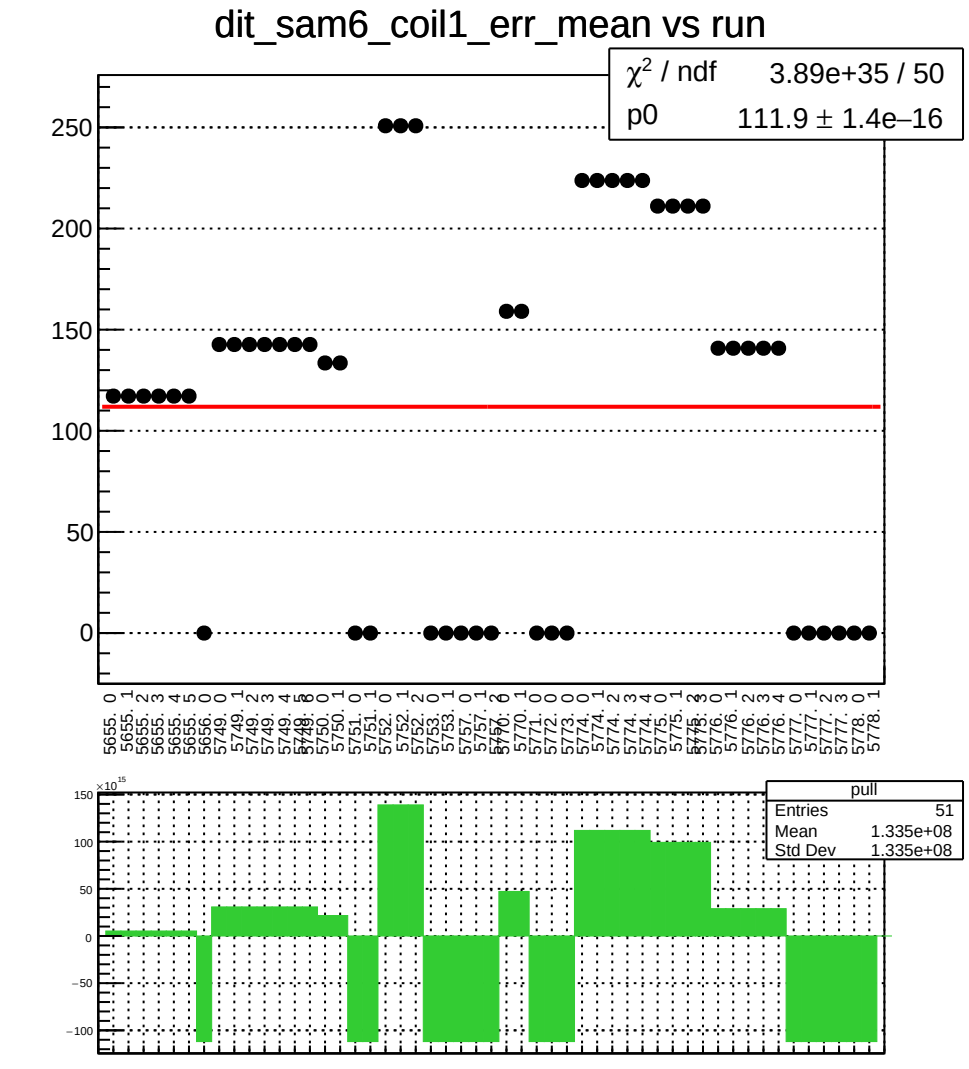

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

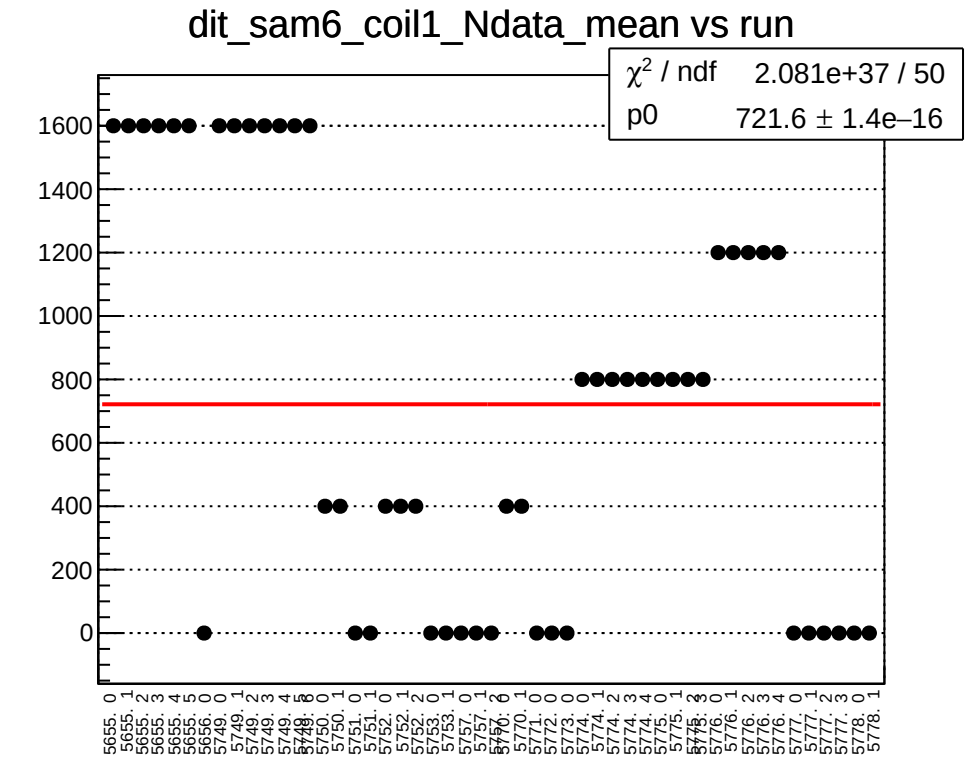

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08

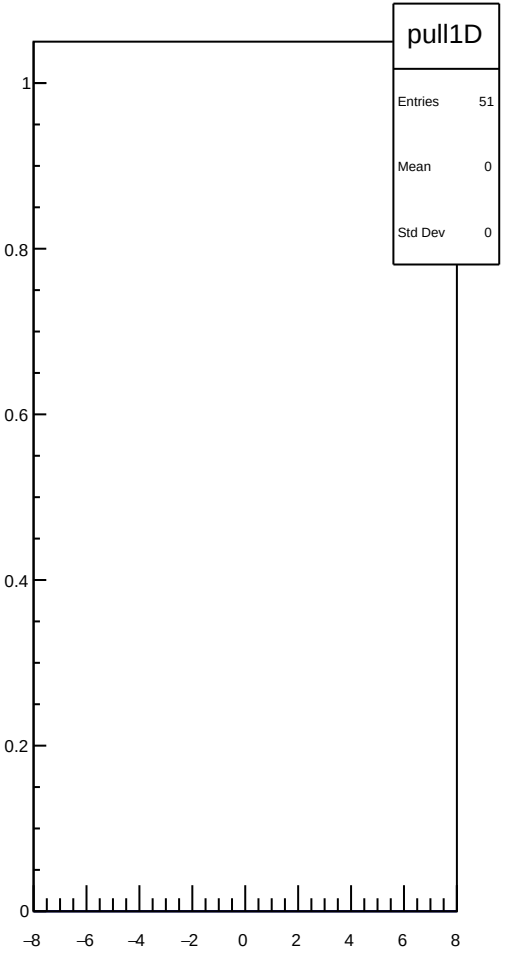

pull1D
Entries 51
Mean 0
Std Dev 0

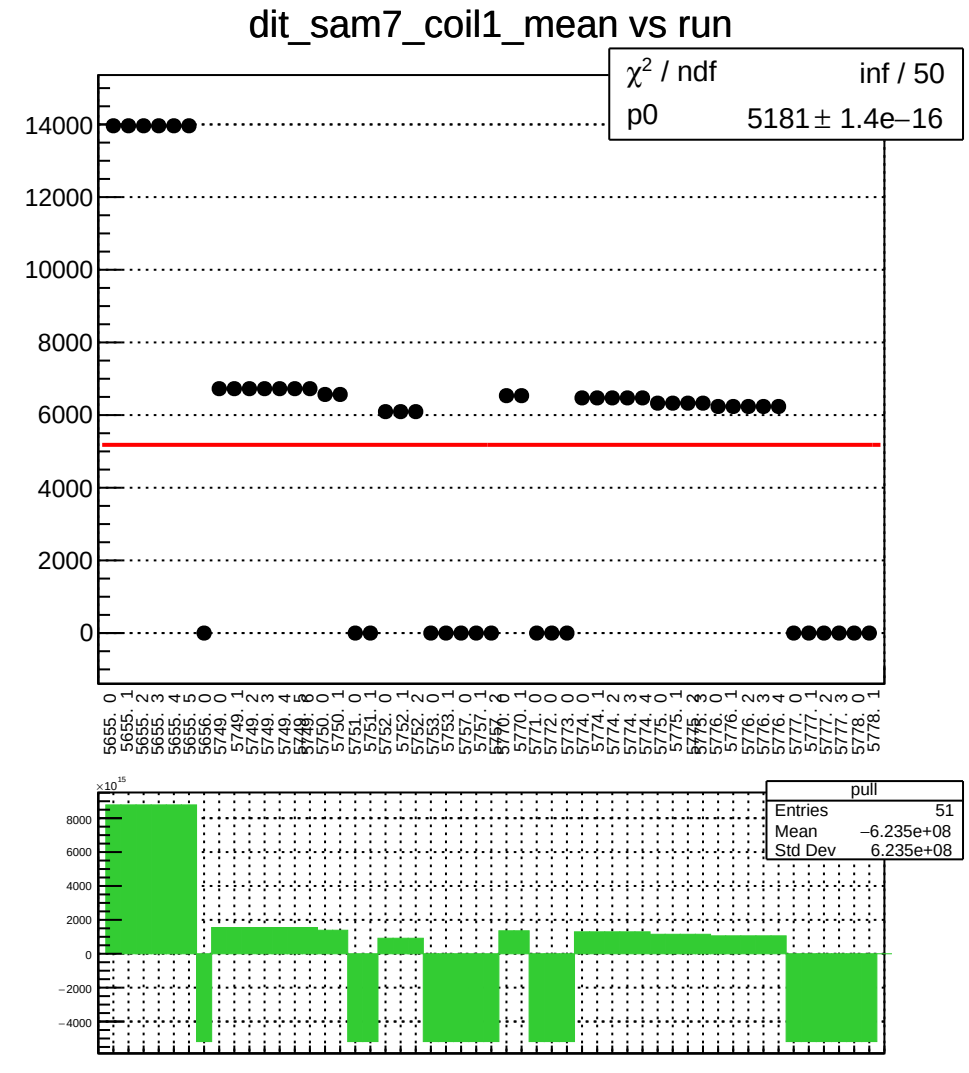

dit_sam6_coil1_mean vs run
χ² / ndf inf / 50
p0 −3864 ± 1.4e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 51
Mean −1.094e+09
Std Dev 1.094e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000

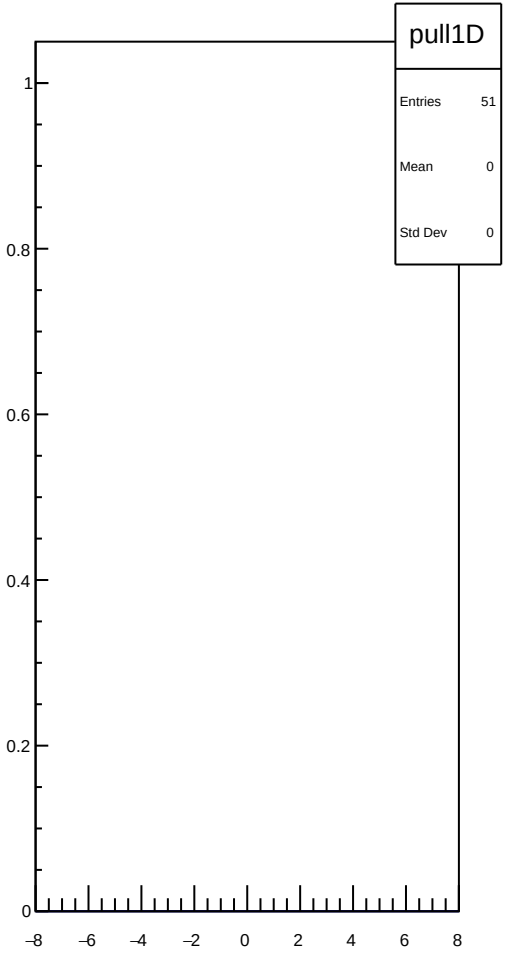

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

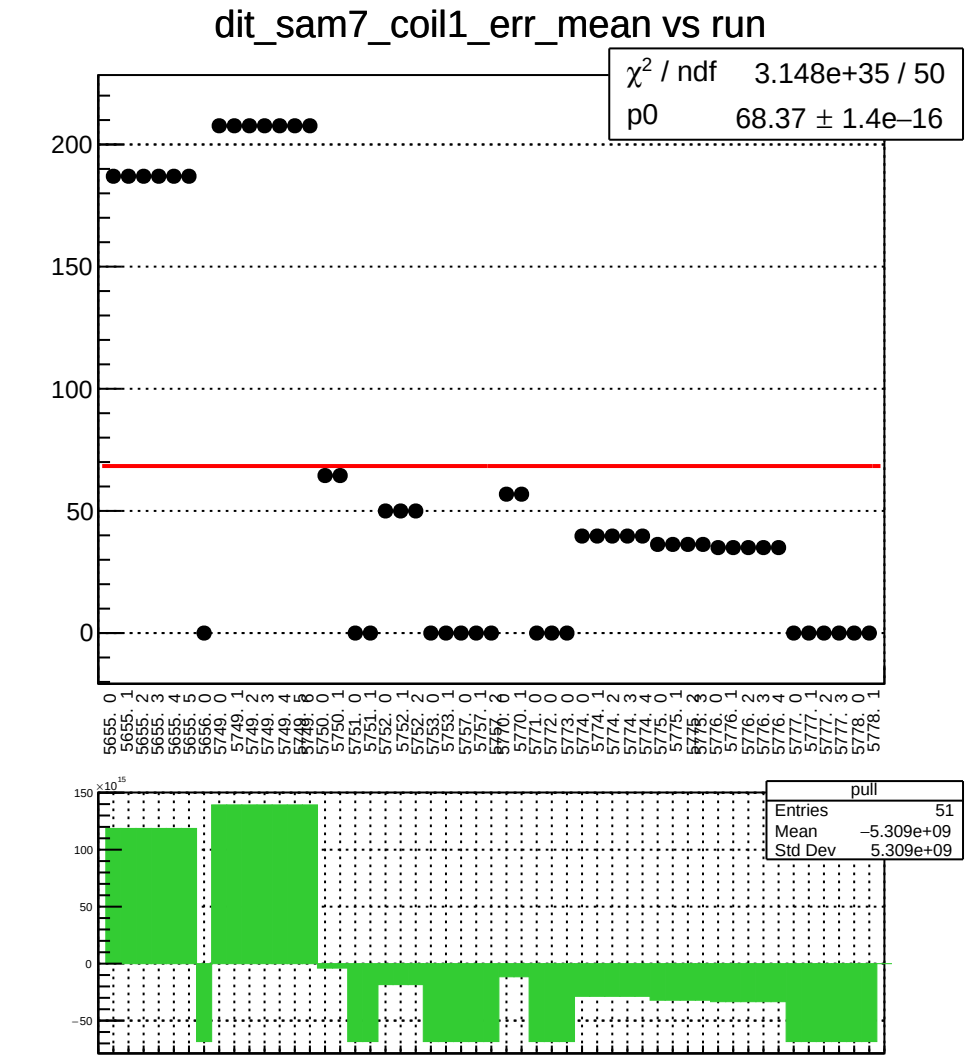

dit_sam6_coil1_err_mean vs run
χ² / ndf 3.89e+35 / 50
p0 111.9 ± 1.4e–16
250
200
150
100
50
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
150
100
50
0
−50
−100
pull
Entries 51
Mean 1.335e+08
Std Dev 1.335e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

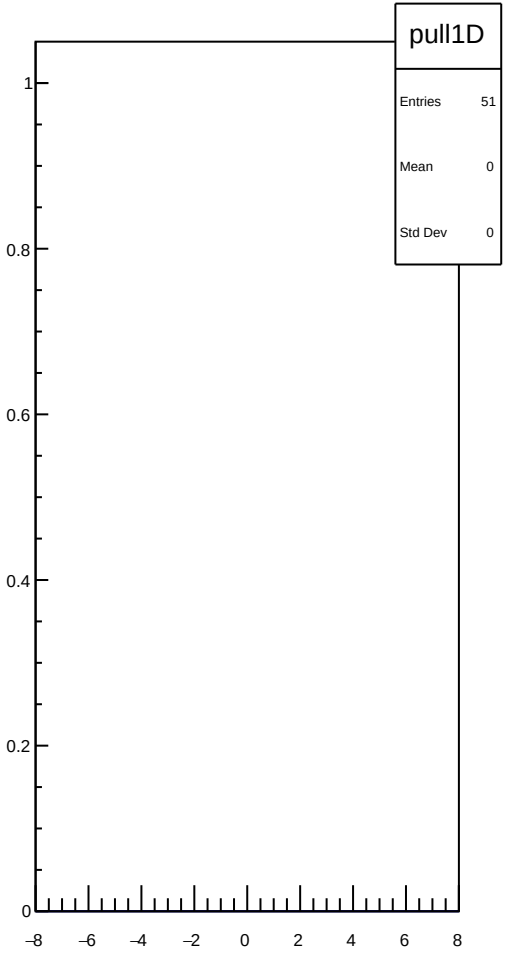

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

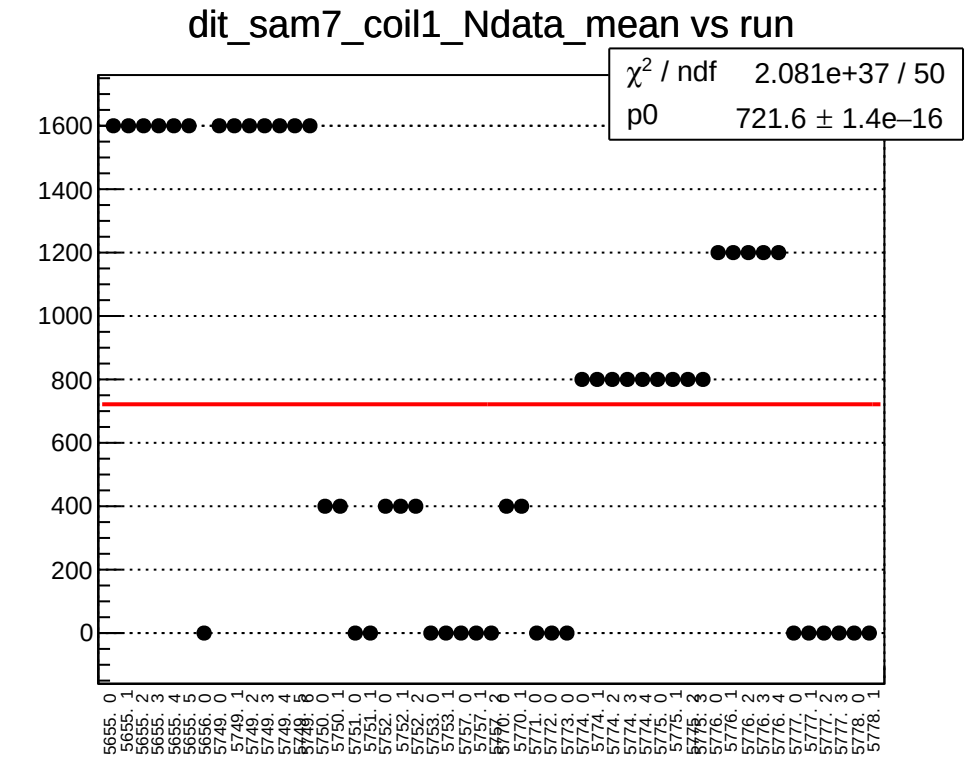

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

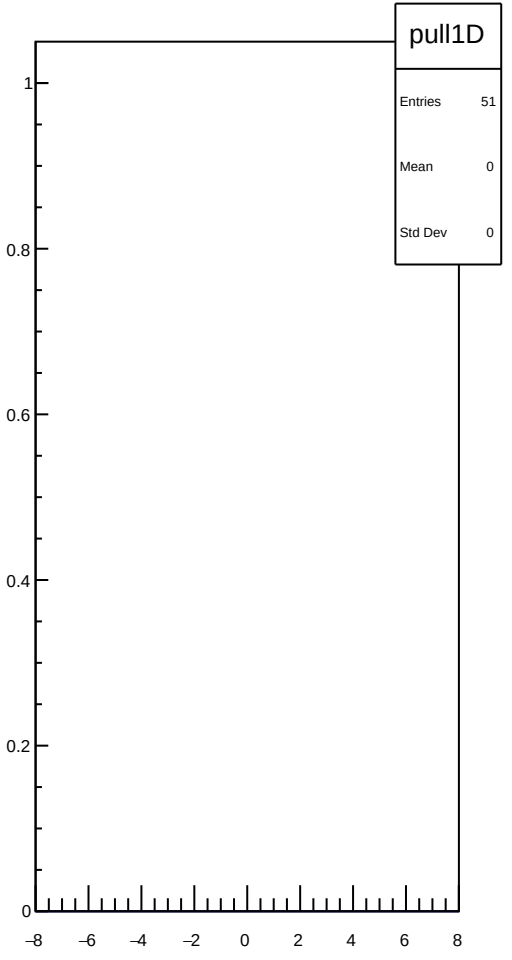

dit_sam7_coil1_mean vs run
χ² / ndf inf / 50
p0 5181 ± 1.4e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 51
Mean −6.235e+08
Std Dev 6.235e+08
×10¹⁵
8000
6000
4000
2000
0
−2000
−4000

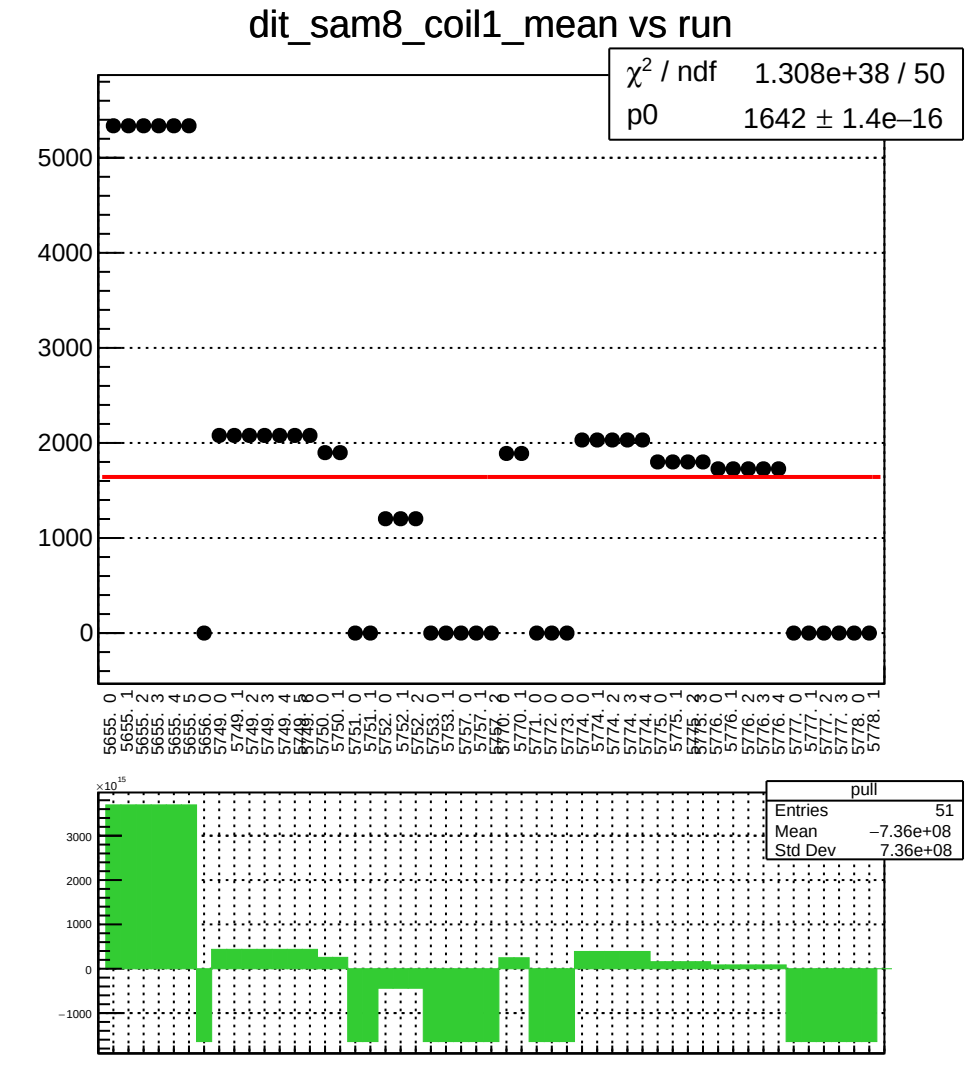

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

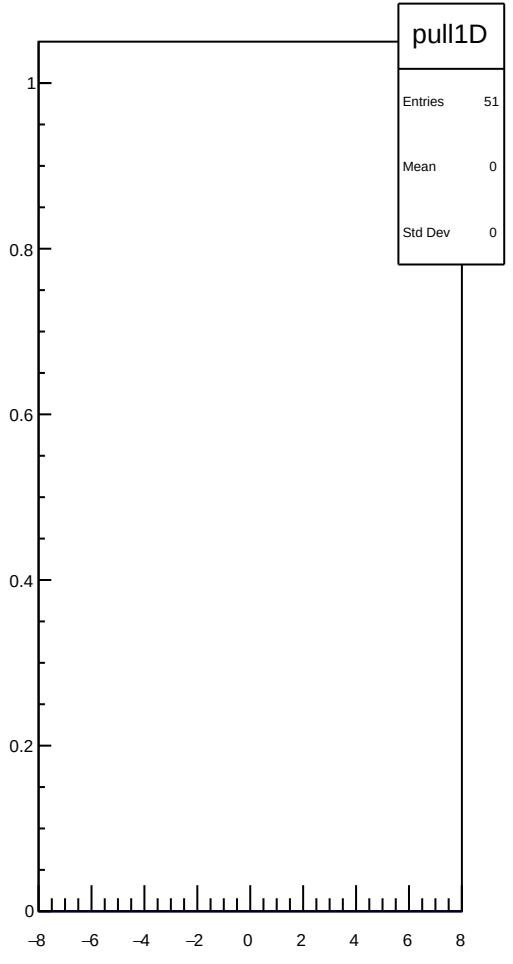

dit_sam7_coil1_err_mean vs run
χ² / ndf 3.148e+35 / 50
p0 68.37 ± 1.4e–16
200
150
100
50
0
pull
Entries 51
Mean –5.309e+09
Std Dev 5.309e+09
×10¹⁵
150
100
50
0
–50

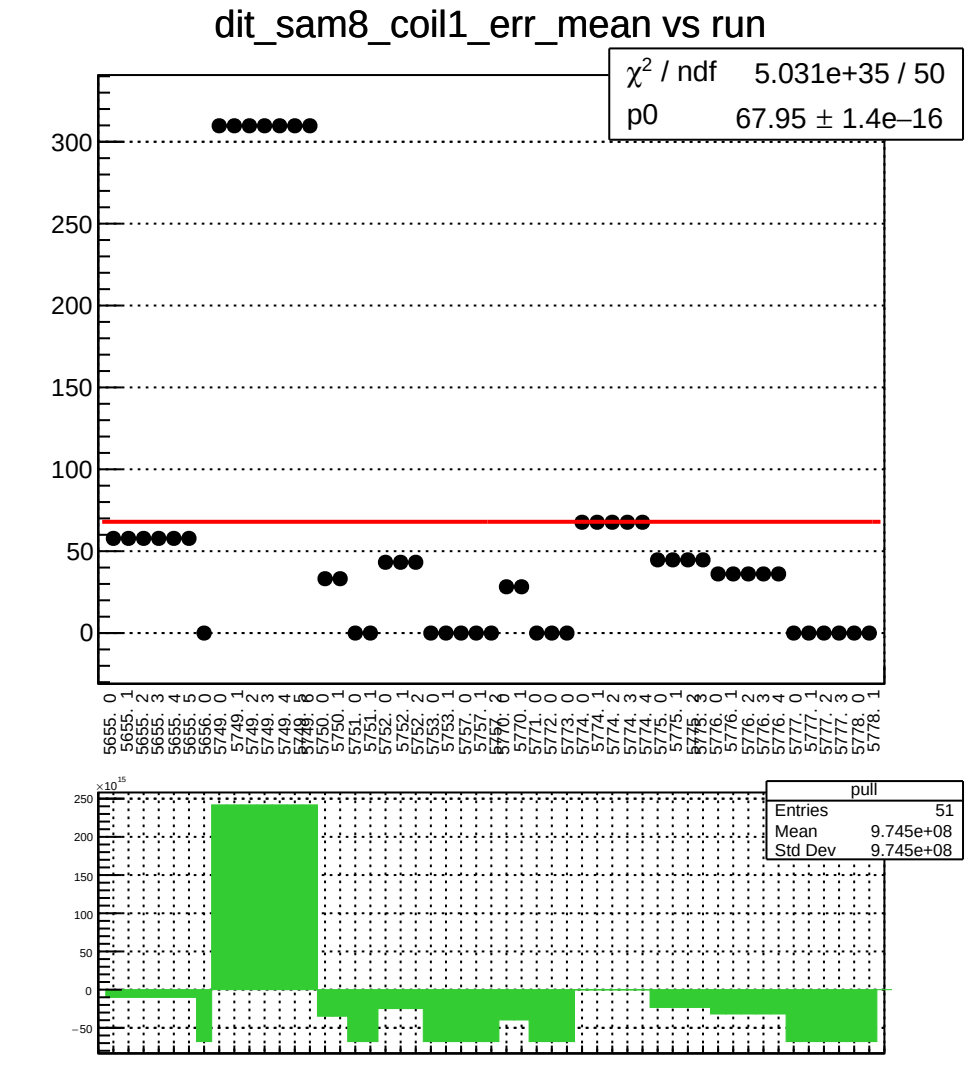

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

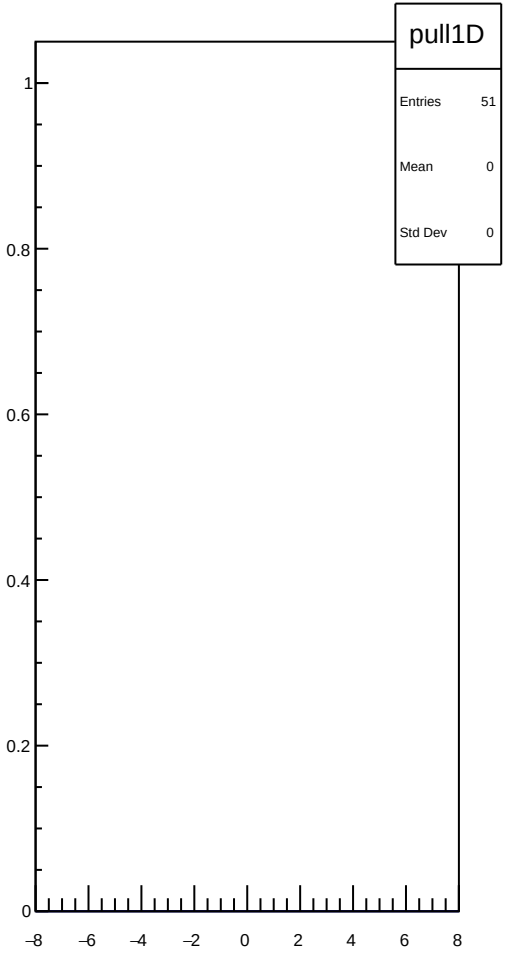

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

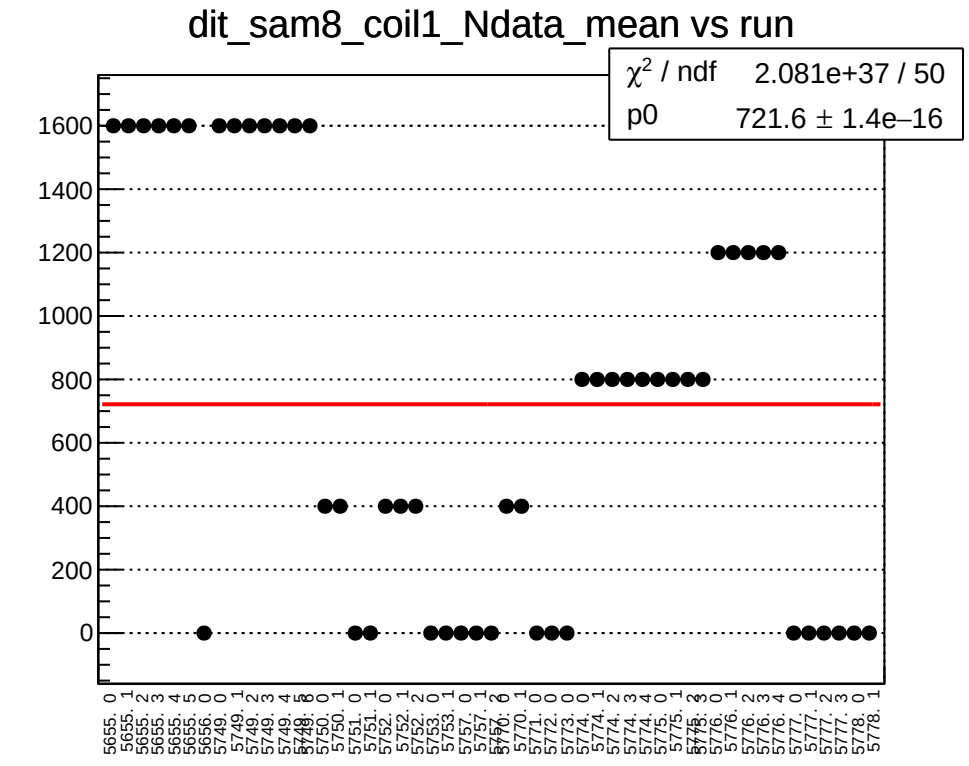

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

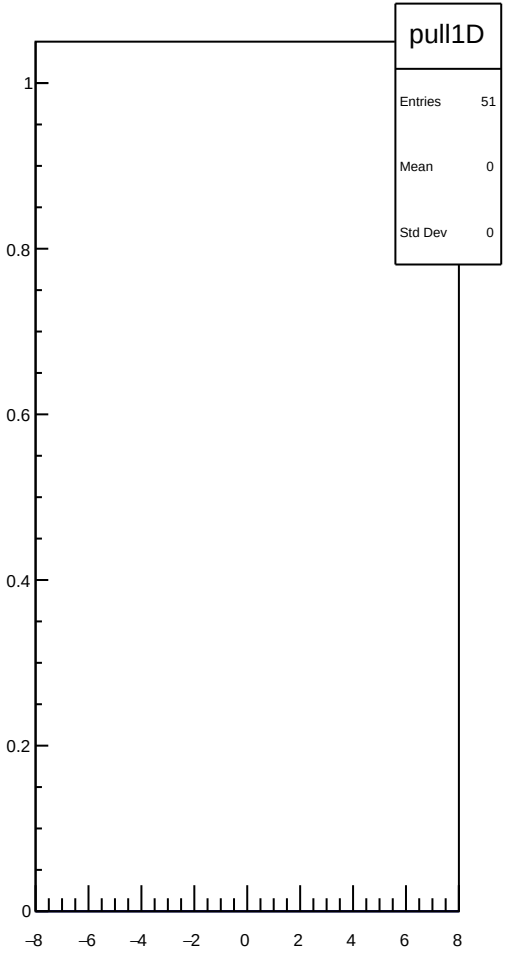

dit_sam8_coil1_mean vs run
χ² / ndf 1.308e+38 / 50
p0 1642 ± 1.4e–16
pull
Entries 51
Mean –7.36e+08
Std Dev 7.36e+08

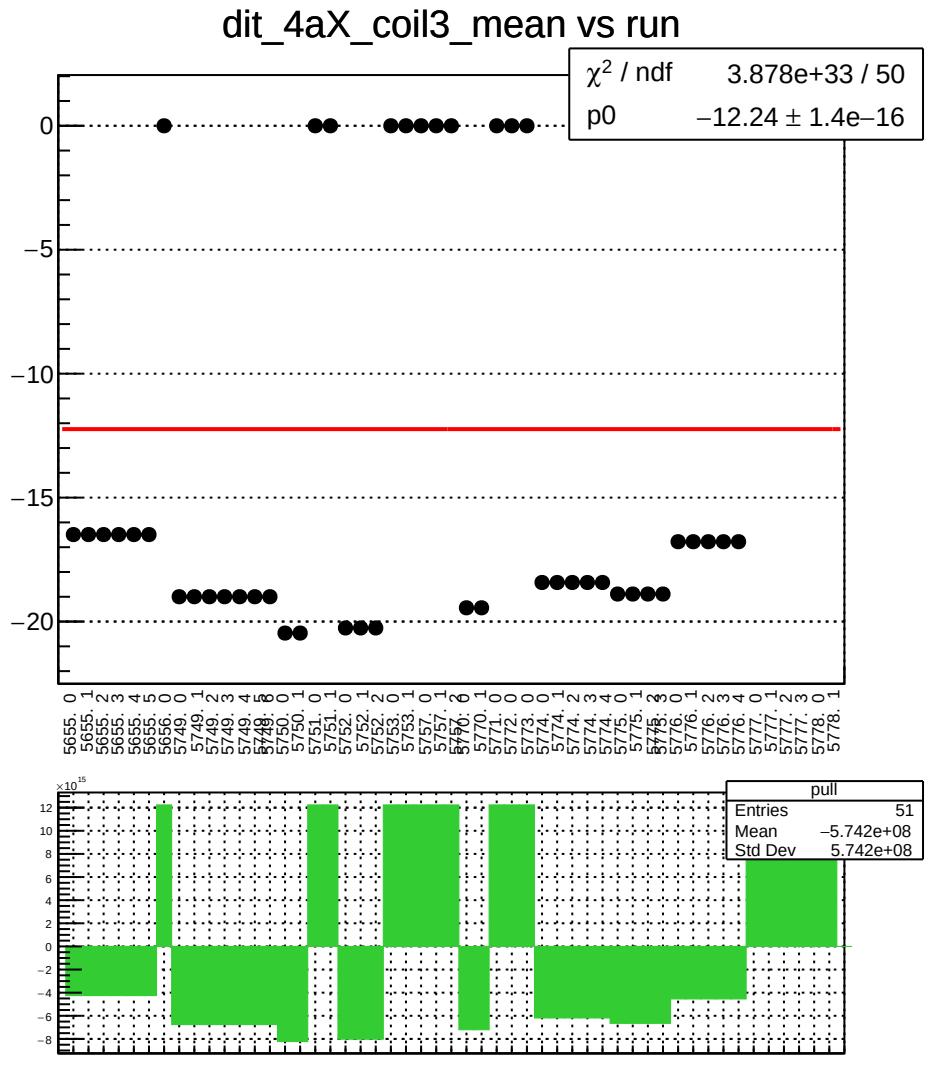

pull1D
Entries 51
Mean 0
Std Dev 0

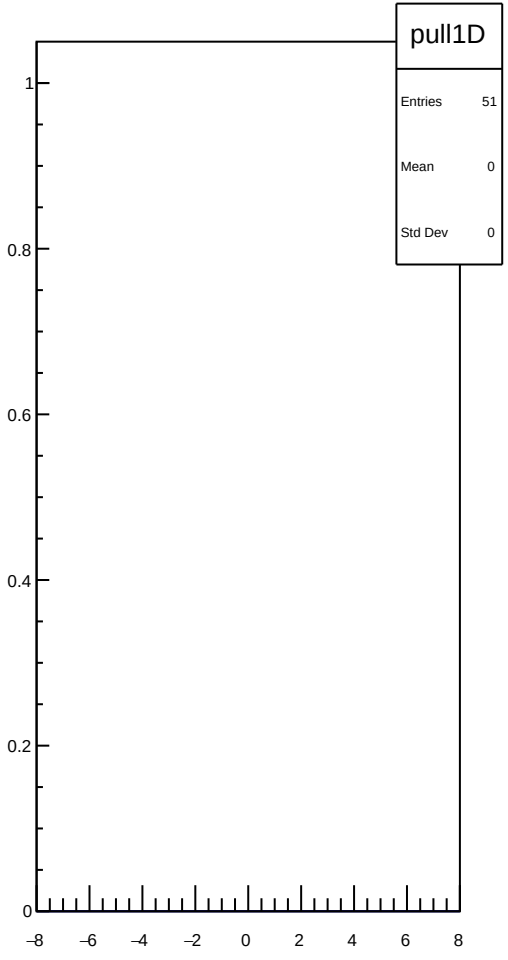

dit_sam8_coil1_err_mean vs run
χ² / ndf 5.031e+35 / 50
p0 67.95 ± 1.4e–16
pull
Entries 51
Mean 9.745e+08
Std Dev 9.745e+08

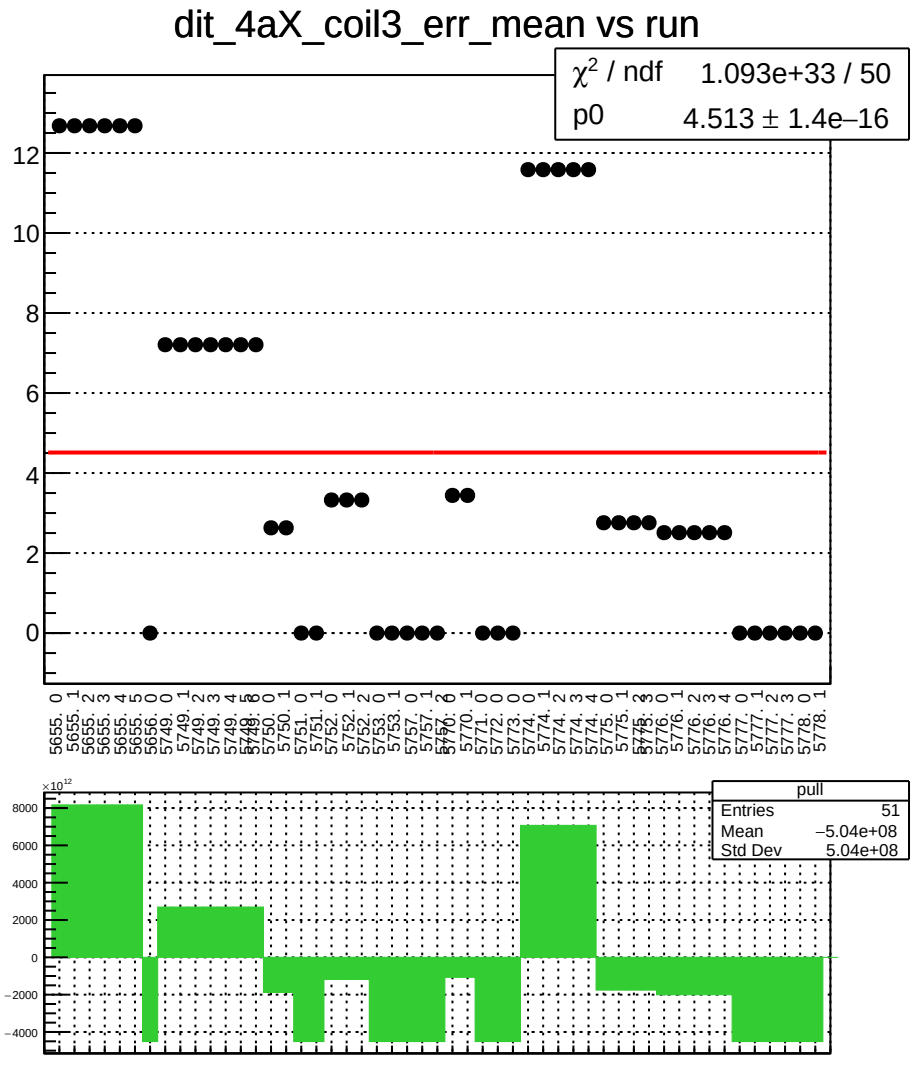

pull1D
Entries 51
Mean 0
Std Dev 0

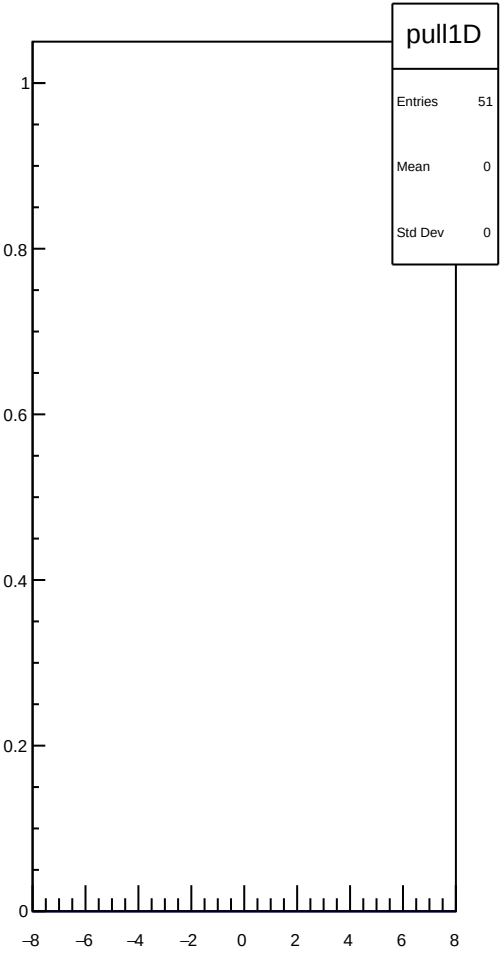

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 2.081e+37 / 50
p0 721.6 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –3.225e+08
Std Dev 3.225e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800

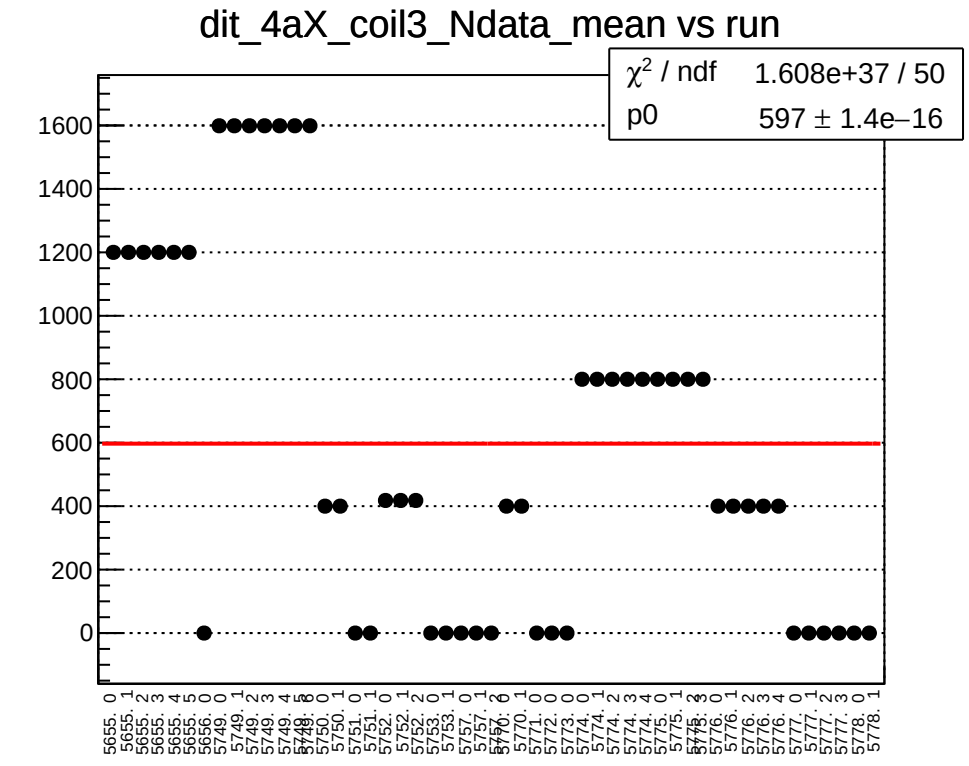

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

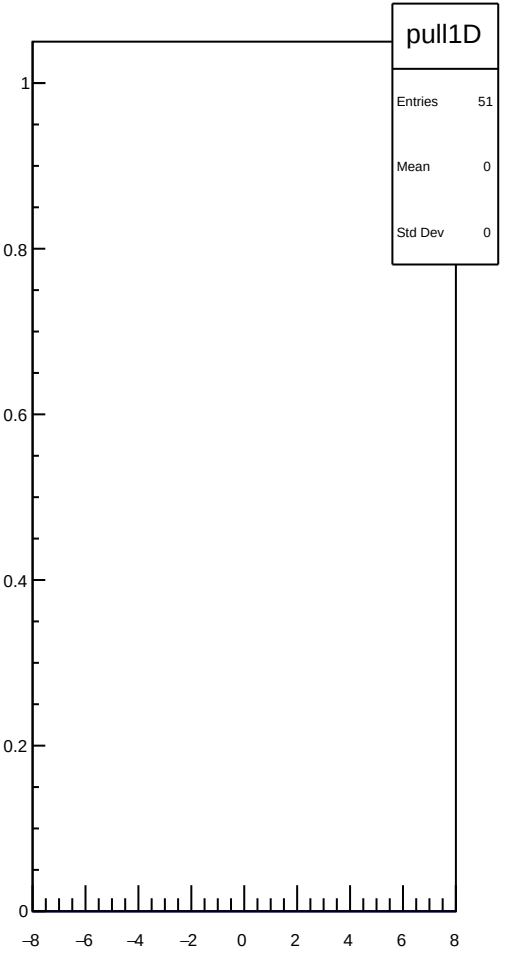

dit_4aX_coil3_mean vs run
χ² / ndf 3.878e+33 / 50
p0 −12.24 ± 1.4e−16
pull
Entries 51
Mean −5.742e+08
Std Dev 5.742e+08

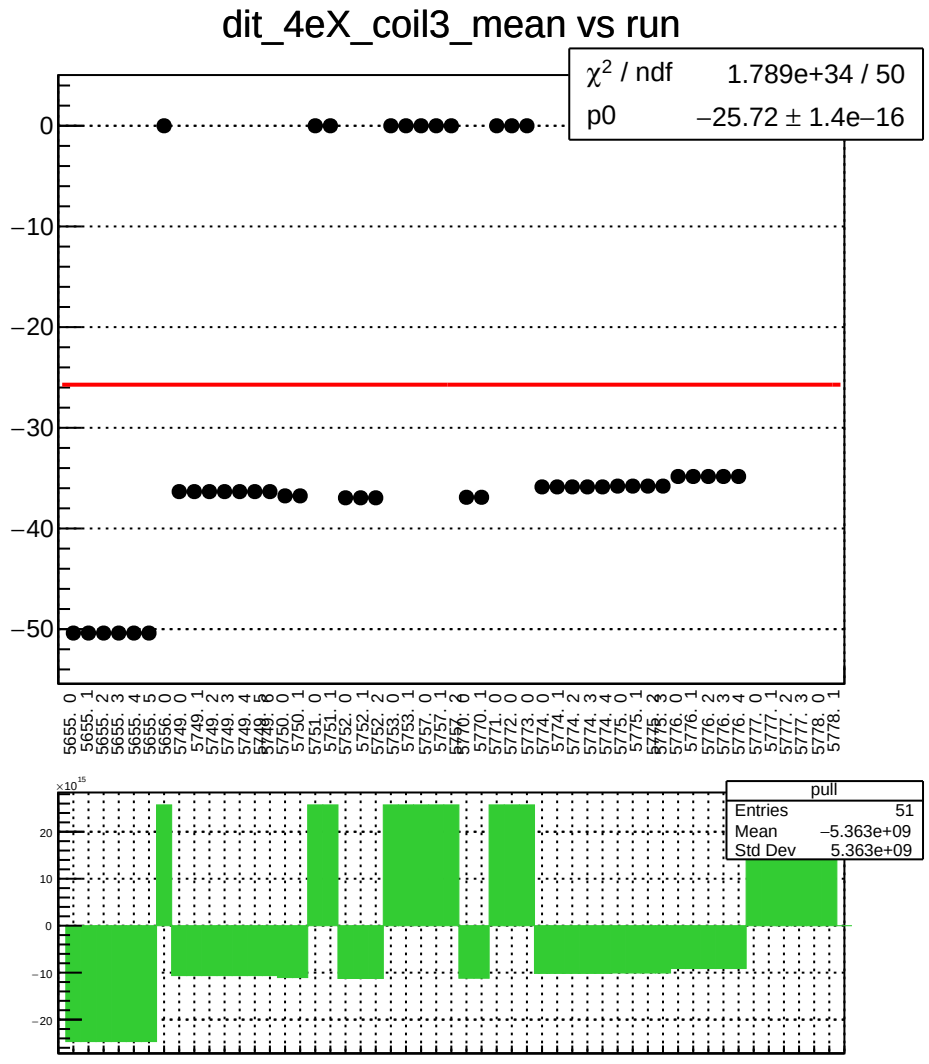

pull1D
Entries 51
Mean 0
Std Dev 0

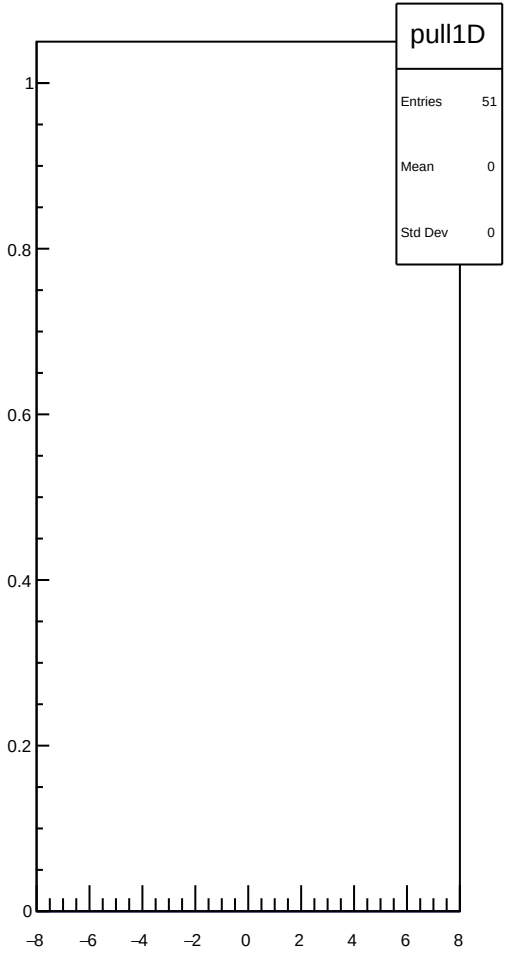

dit_4aX_coil3_err_mean vs run
χ² / ndf 1.093e+33 / 50
p0 4.513 ± 1.4e–16
pull
Entries 51
Mean –5.04e+08
Std Dev 5.04e+08

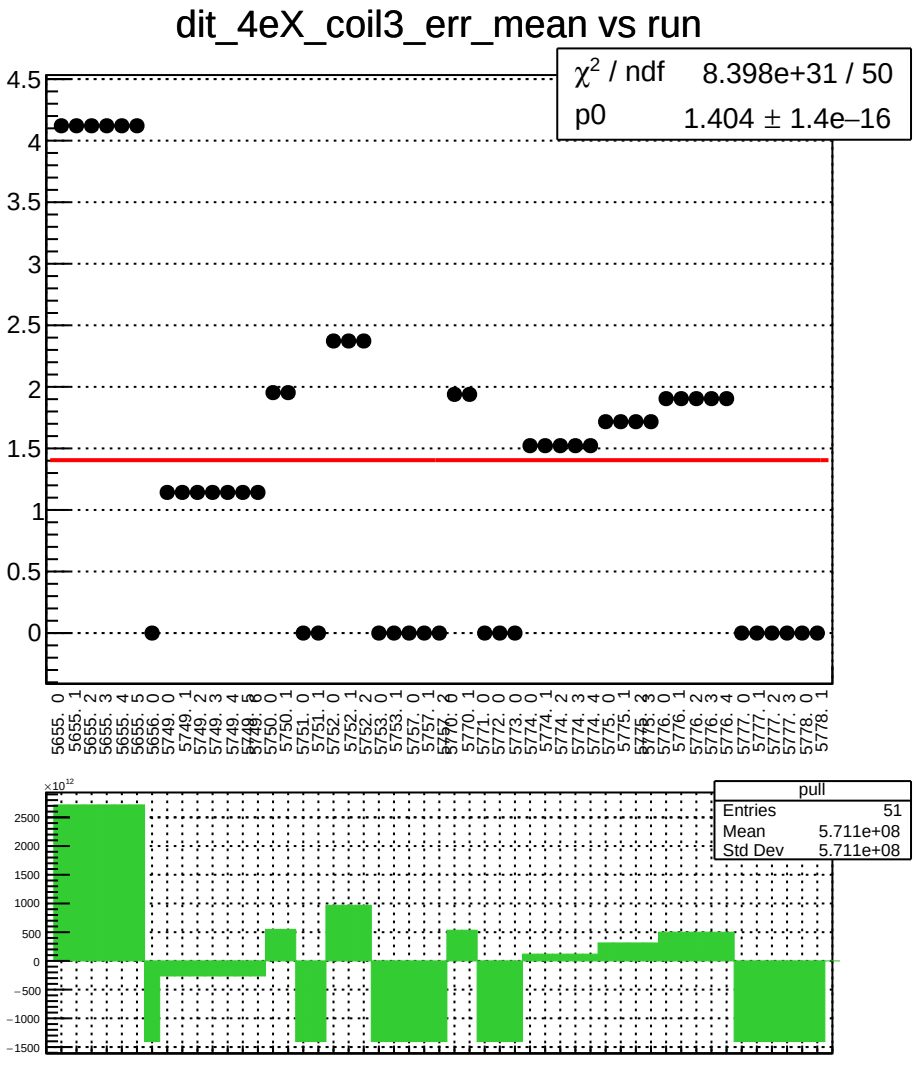

pull1D
Entries 51
Mean 0
Std Dev 0

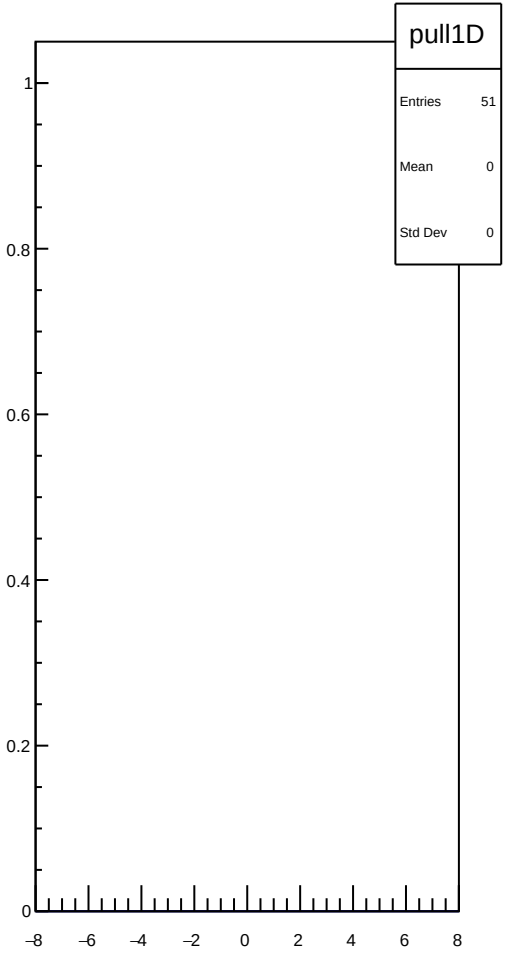

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

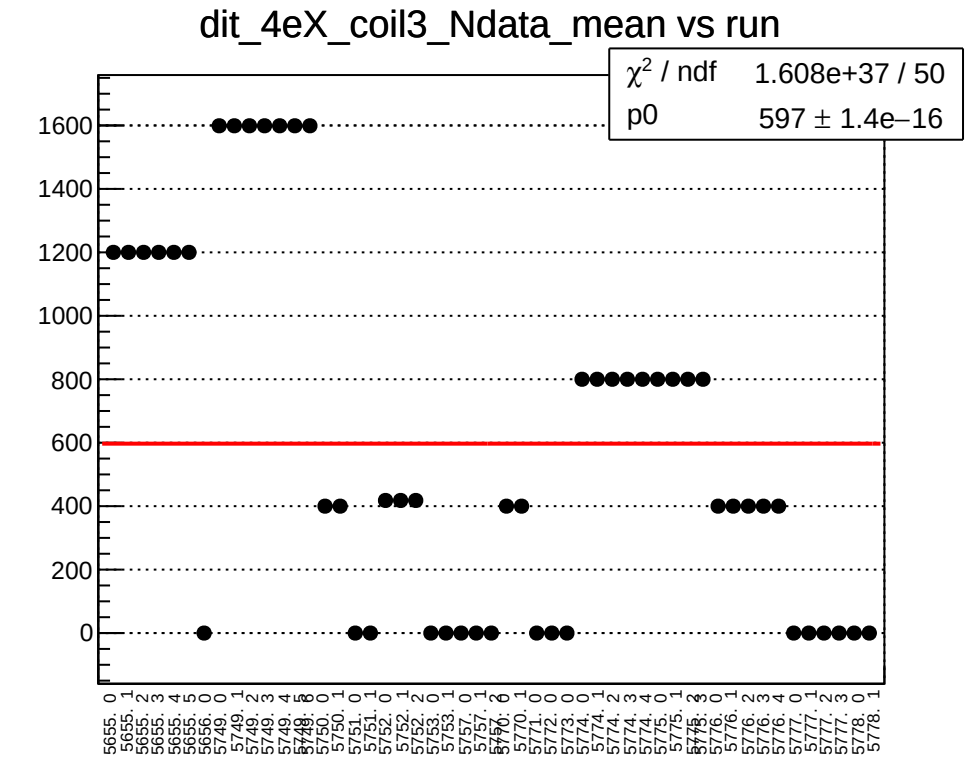

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

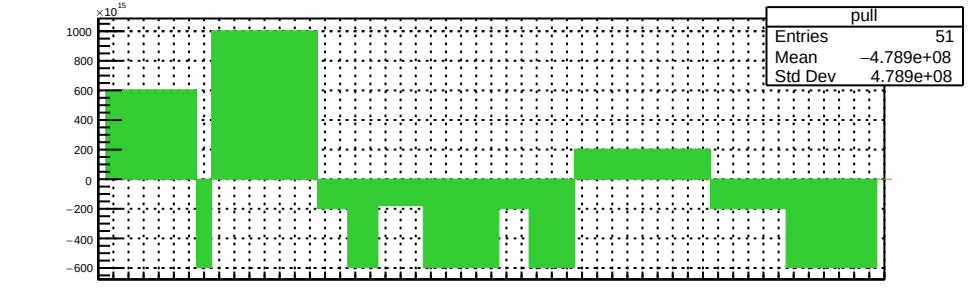

dit_4eX_coil3_mean vs run
χ² / ndf 1.789e+34 / 50
p0 −25.72 ± 1.4e−16
pull
Entries 51
Mean −5.363e+09
Std Dev 5.363e+09

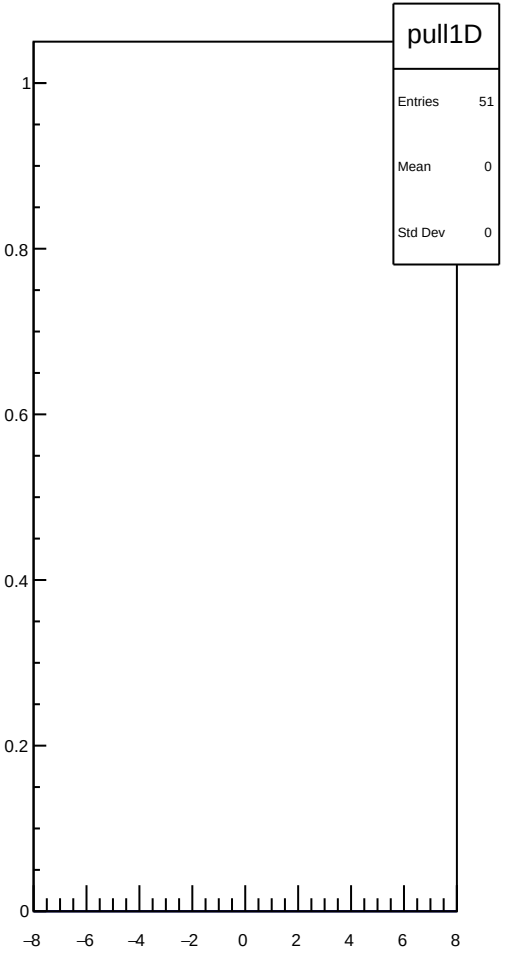

pull1D
Entries 51
Mean 0
Std Dev 0

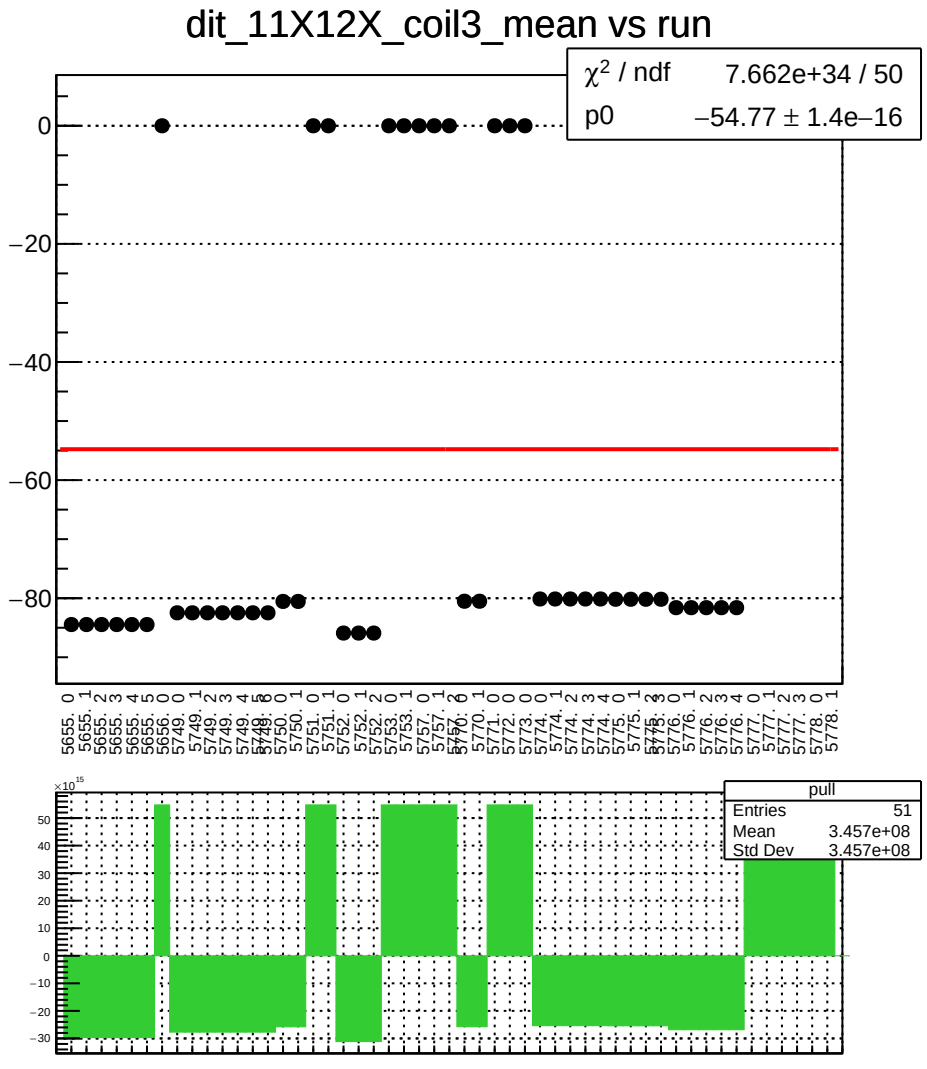

dit_4eX_coil3_err_mean vs run
χ² / ndf 8.398e+31 / 50
p0 1.404 ± 1.4e−16
pull
Entries 51
Mean 5.711e+08
Std Dev 5.711e+08

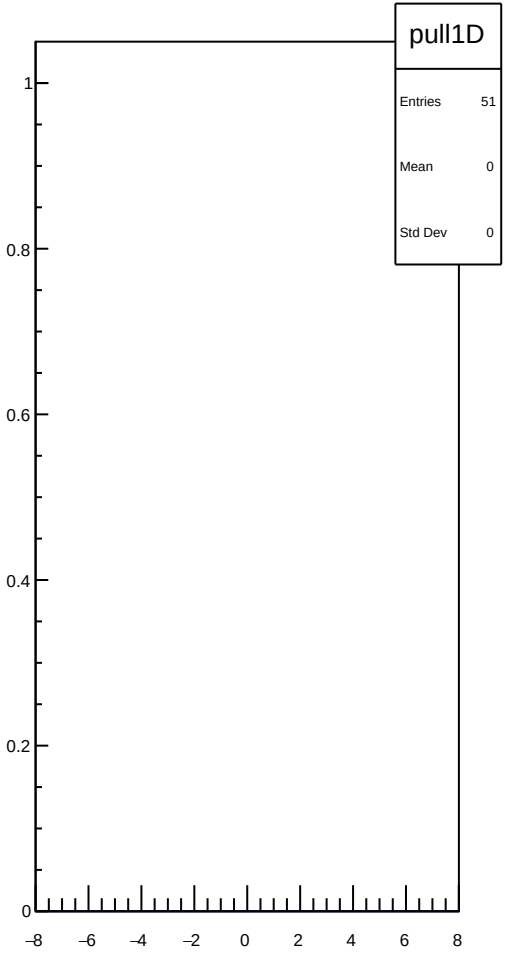

pull1D
Entries 51
Mean 0
Std Dev 0

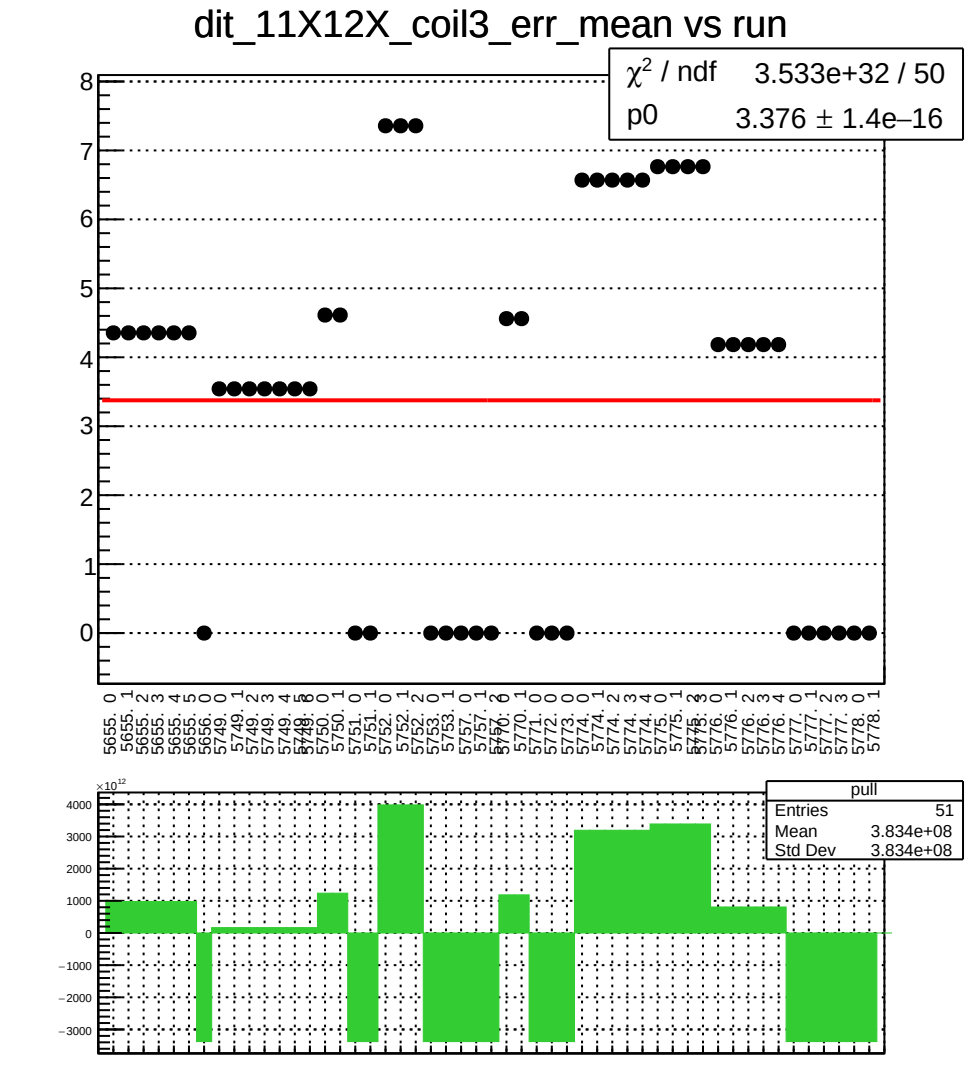

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

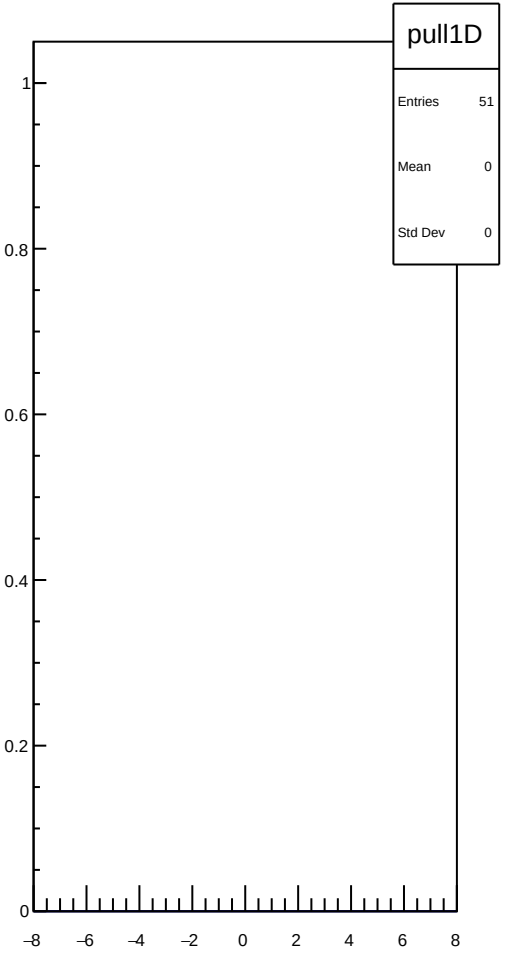

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

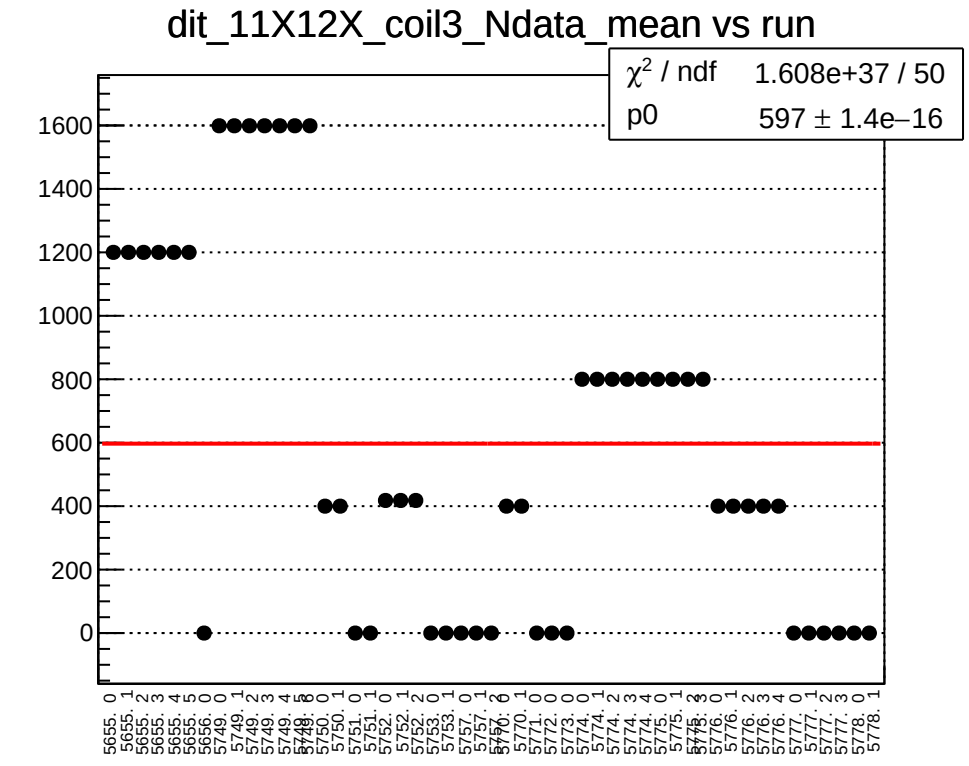

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

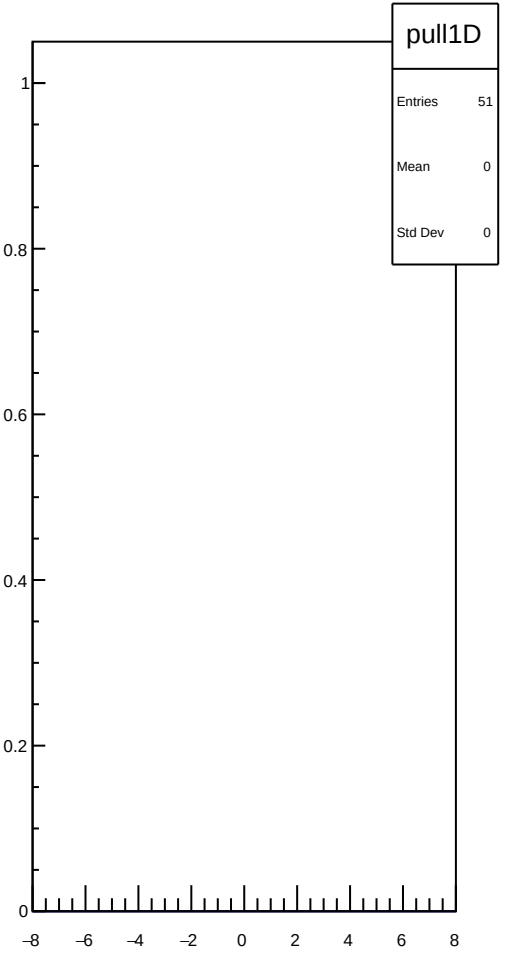

dit_11X12X_coil3_mean vs run
χ² / ndf 7.662e+34 / 50
p0 −54.77 ± 1.4e−16
0
−20
−40
−60
−80
pull
Entries 51
Mean 3.457e+08
Std Dev 3.457e+08
×10¹⁵
50
40
30
20
10
0
−10
−20
−30

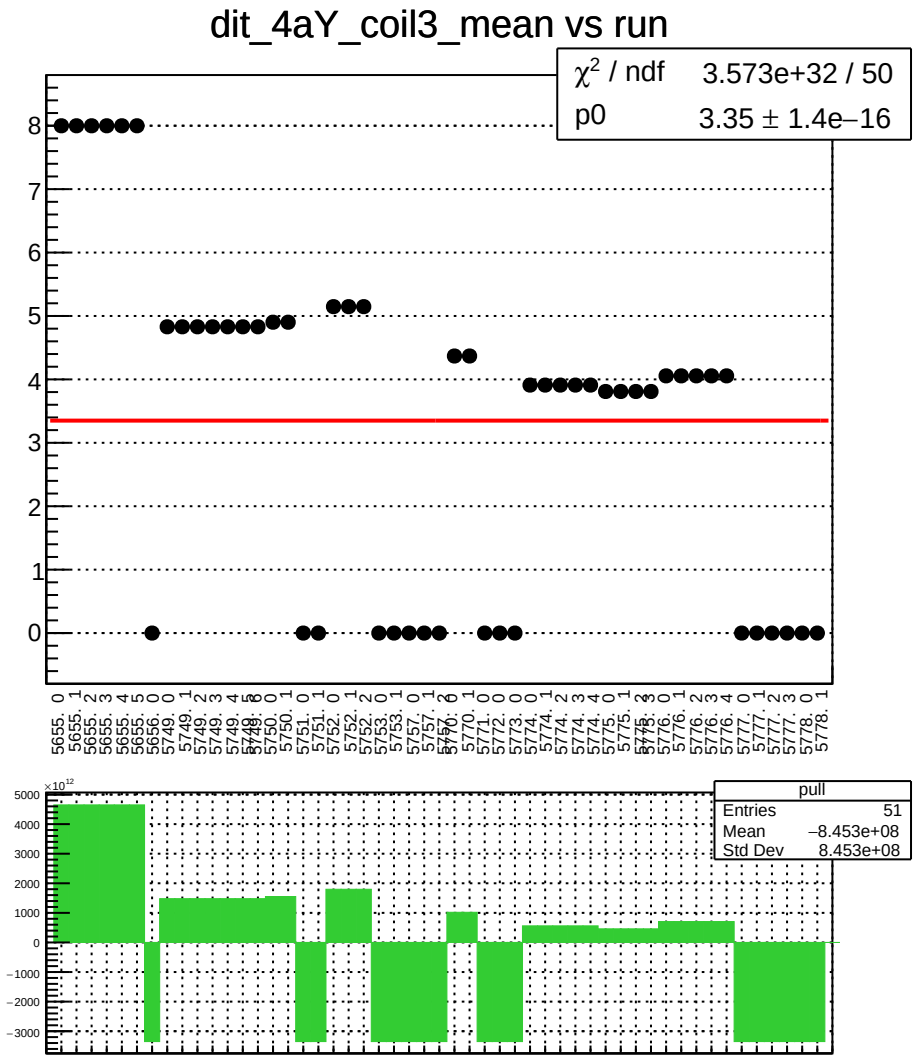

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

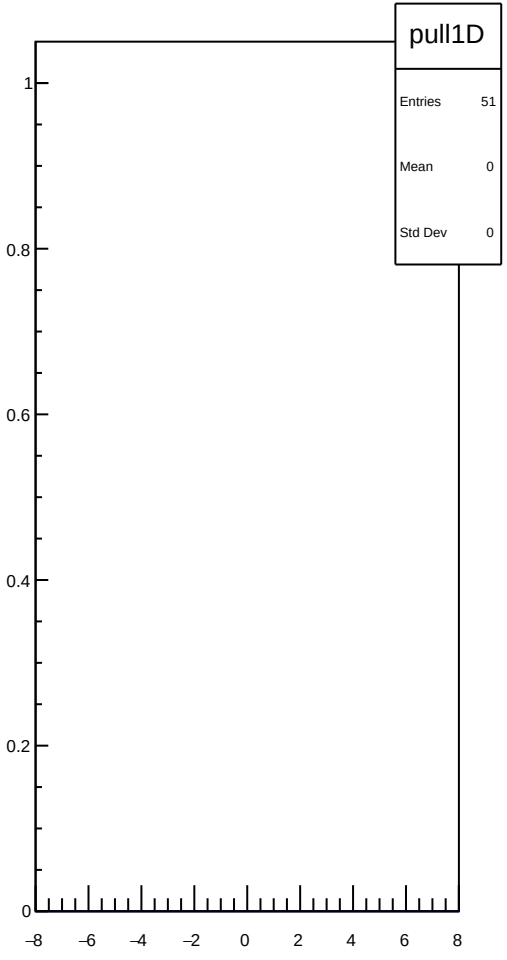

dit_11X12X_coil3_err_mean vs run
χ² / ndf 3.533e+32 / 50
p0 3.376 ± 1.4e–16
pull
Entries 51
Mean 3.834e+08
Std Dev 3.834e+08
×10¹²

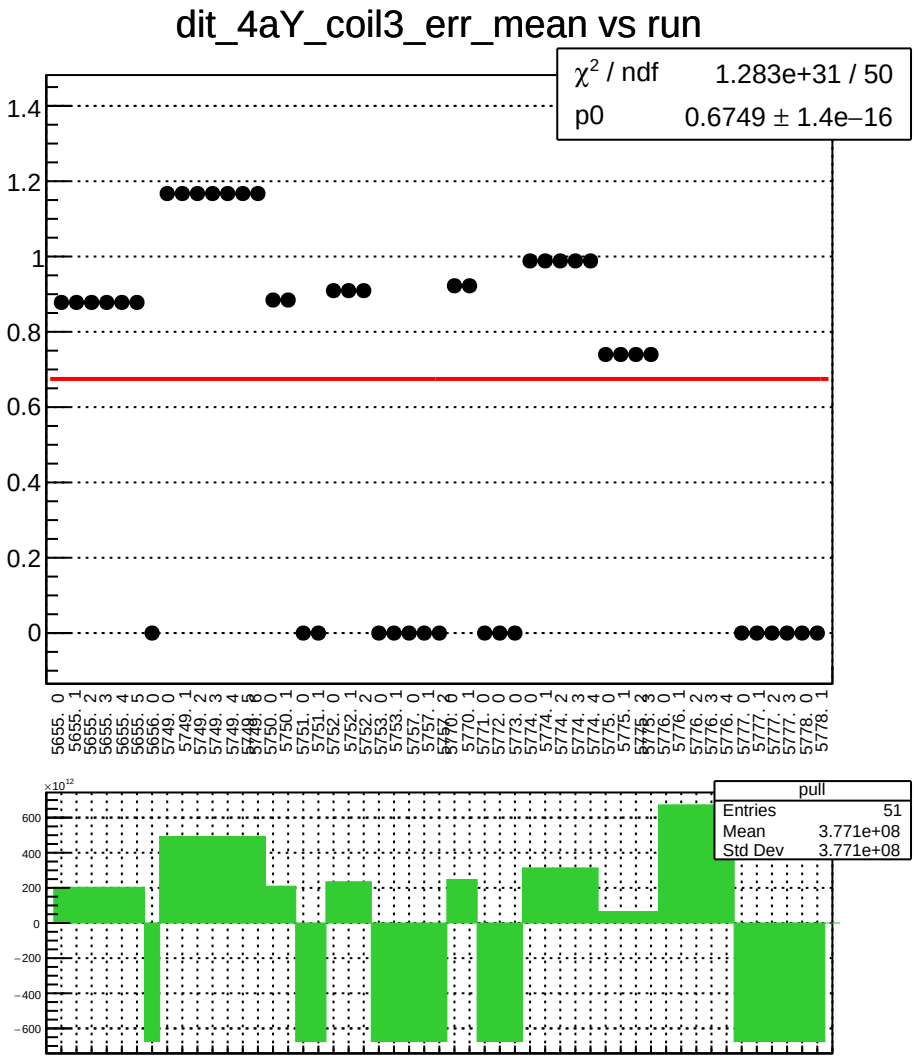

pull1D
Entries 51
Mean 0
Std Dev 0

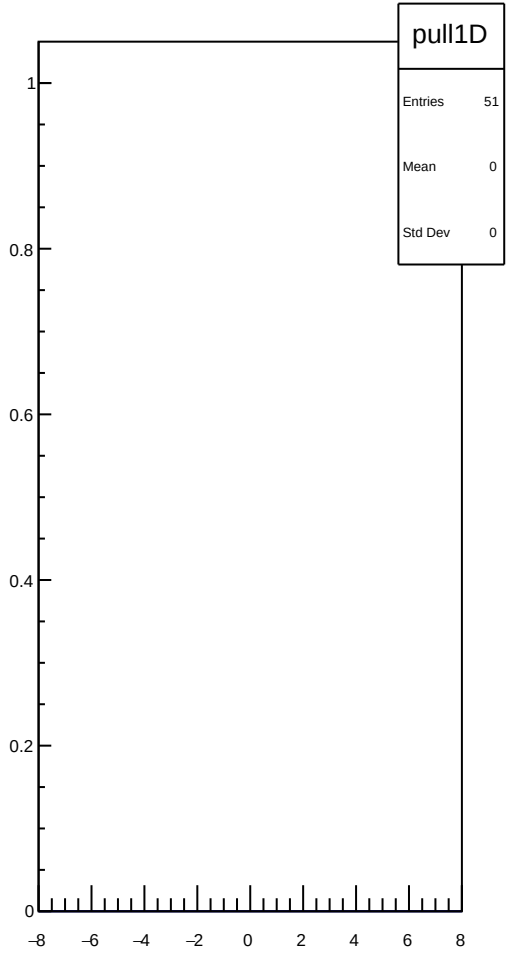

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

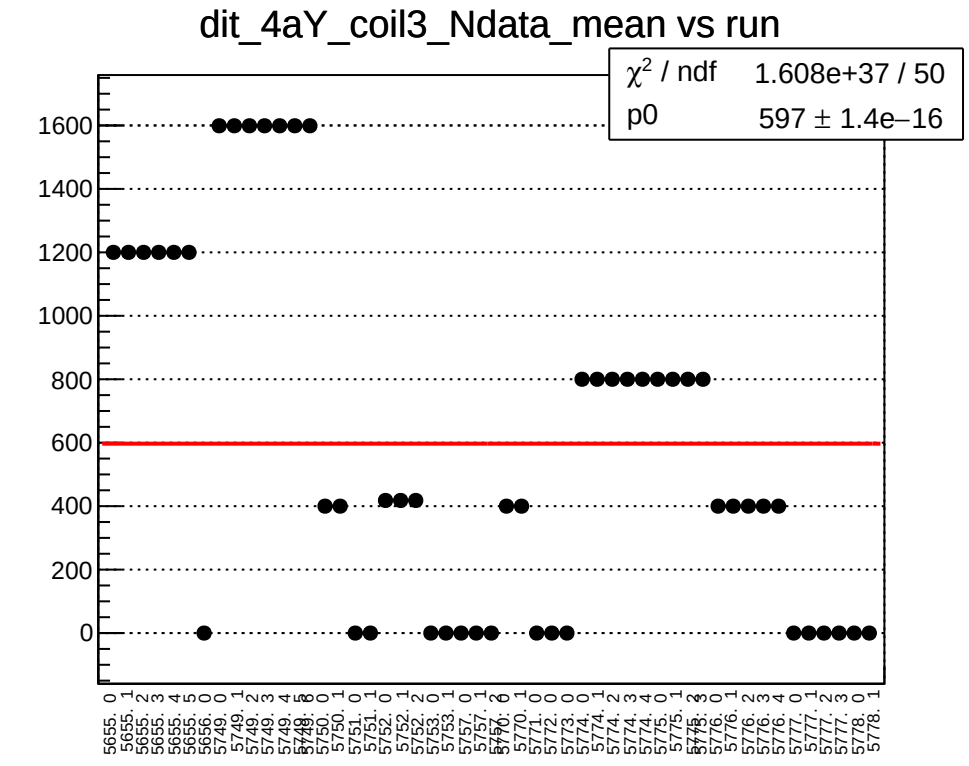

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

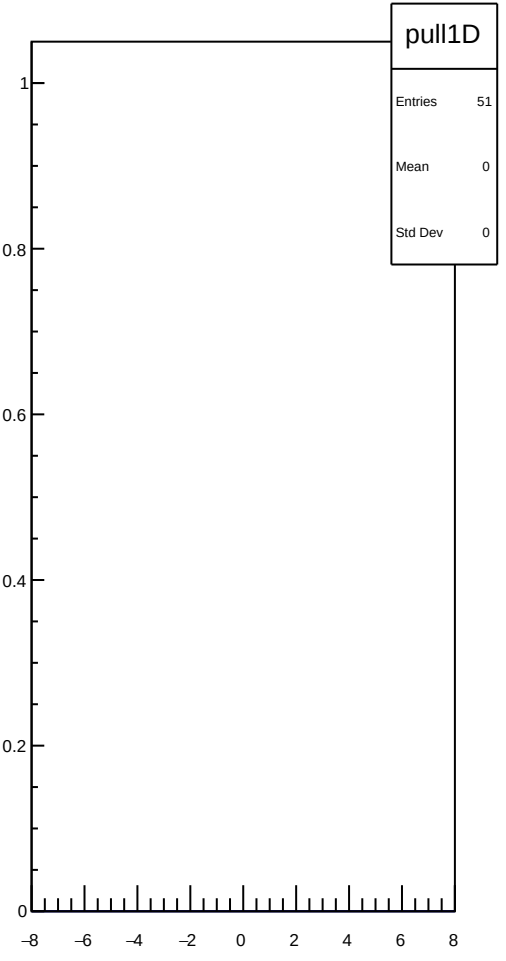

dit_4aY_coil3_mean vs run
χ² / ndf 3.573e+32 / 50
p0 3.35 ± 1.4e−16
pull
Entries 51
Mean −8.453e+08
Std Dev 8.453e+08

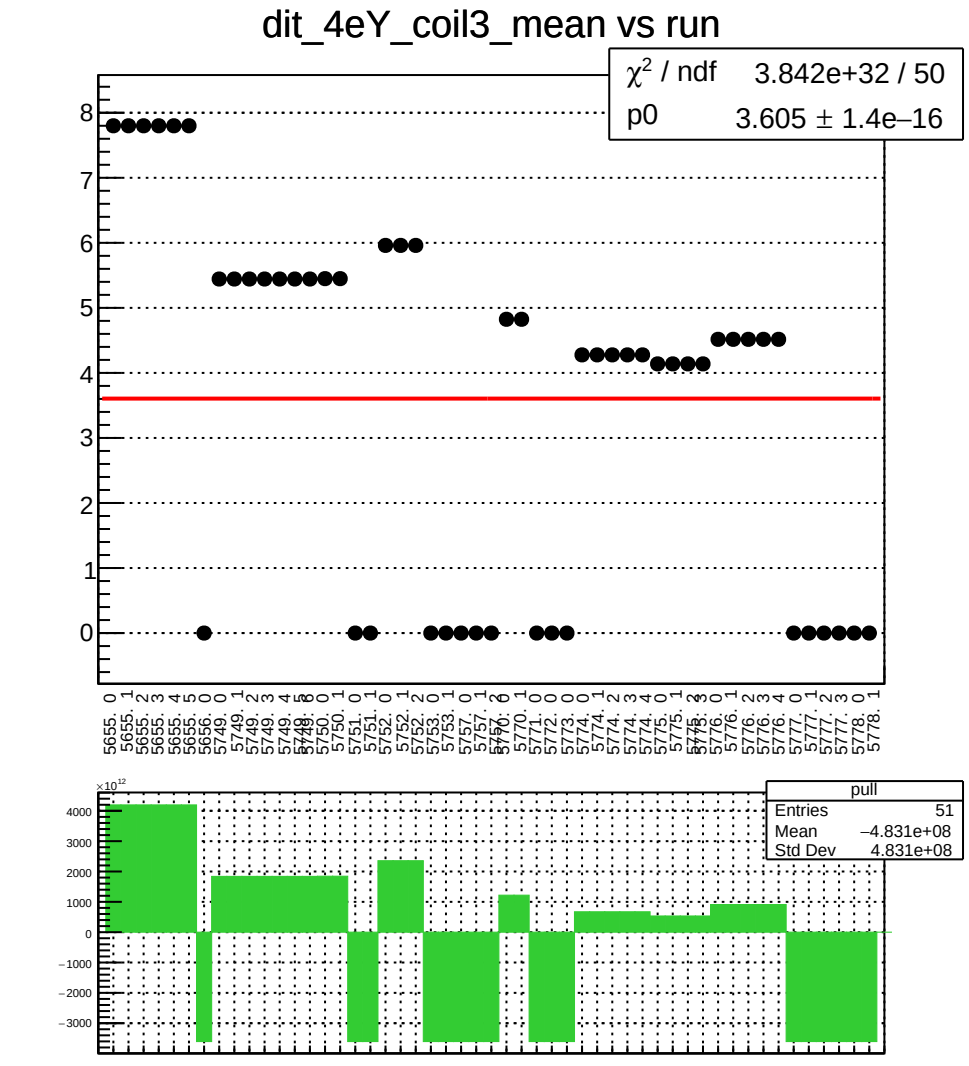

pull1D
Entries 51
Mean 0
Std Dev 0

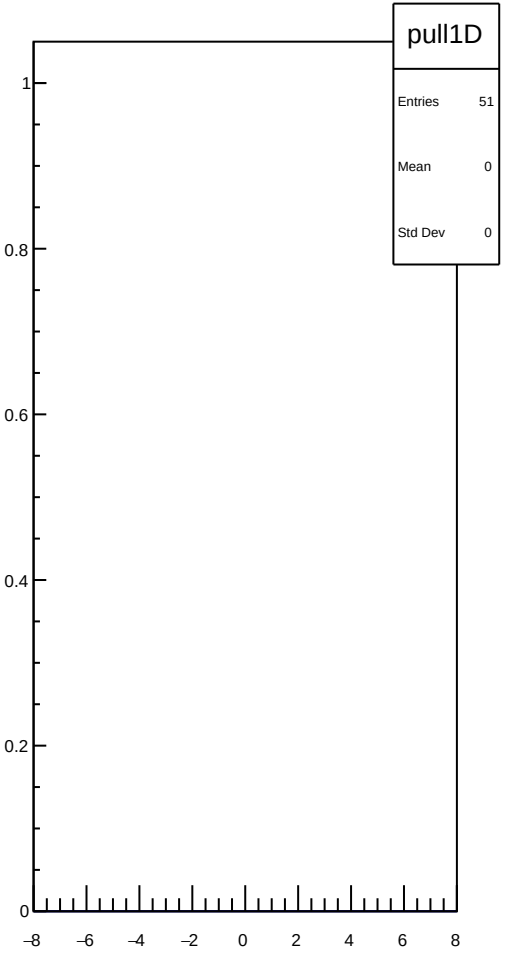

dit_4aY_coil3_err_mean vs run
χ² / ndf 1.283e+31 / 50
p0 0.6749 ± 1.4e−16
pull
Entries 51
Mean 3.771e+08
Std Dev 3.771e+08

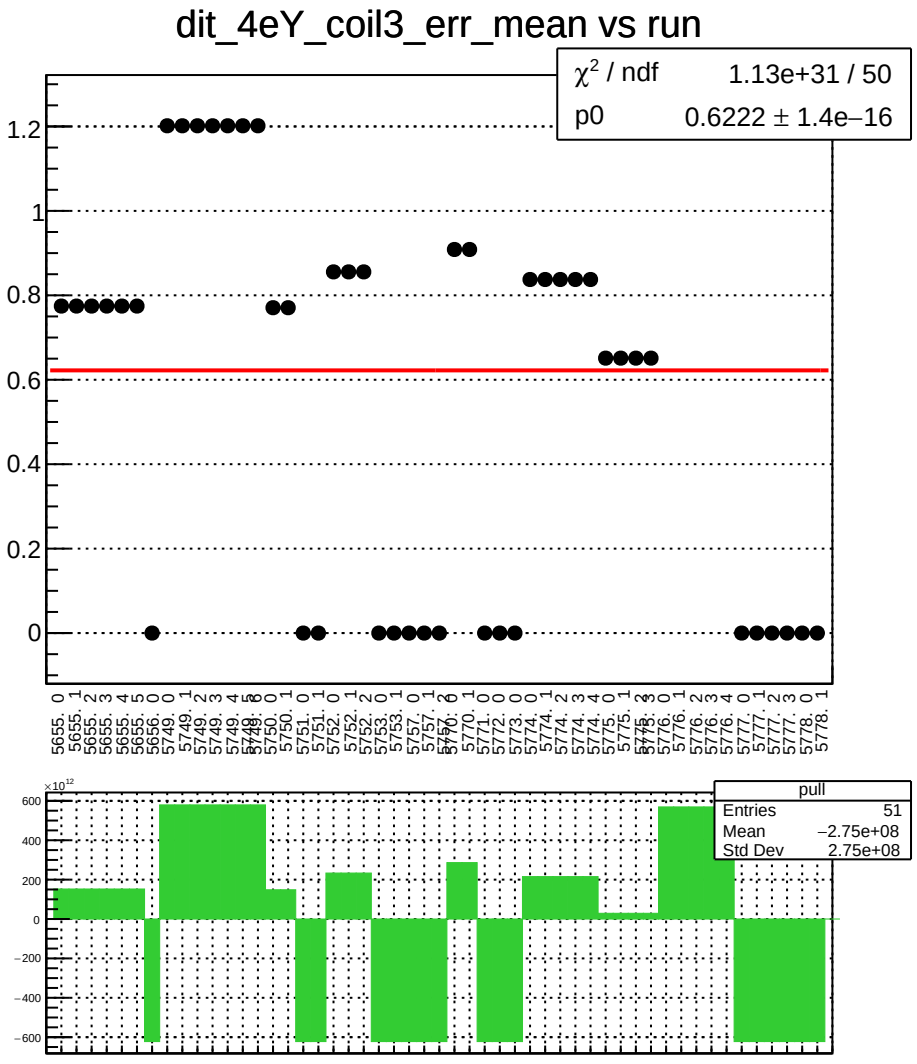

pull1D
Entries 51
Mean 0
Std Dev 0

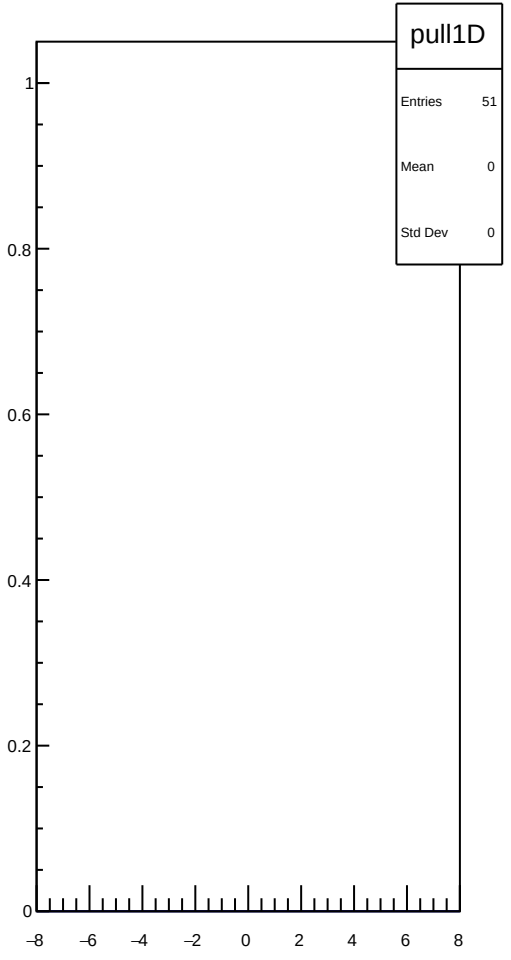

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

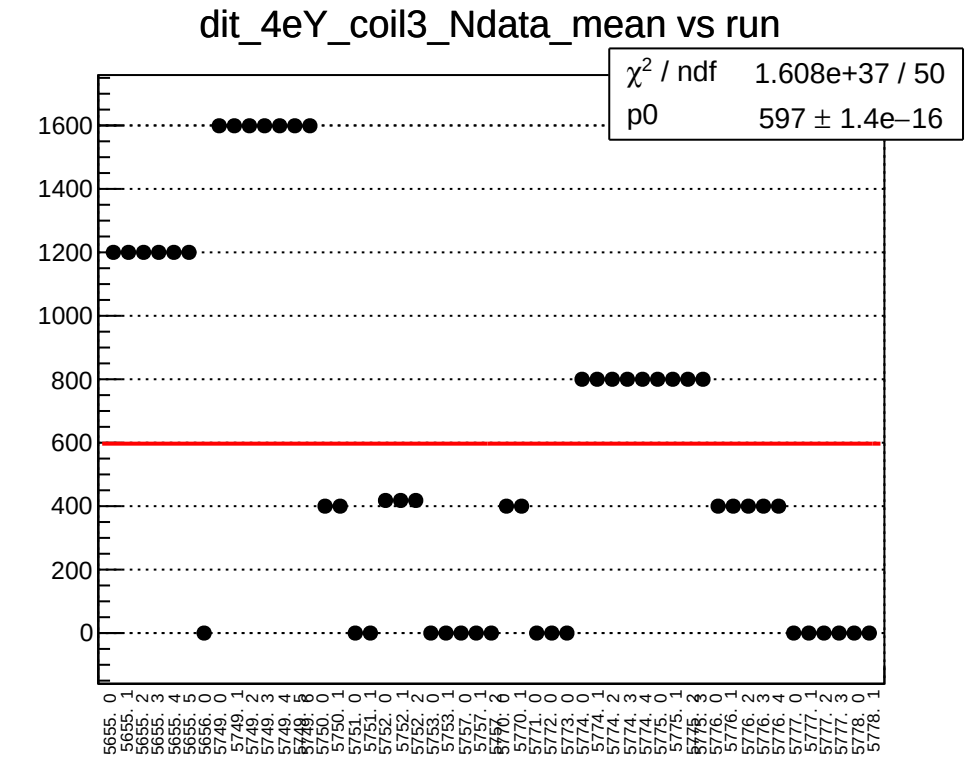

pull1D
Entries 51
Mean 0
Std Dev 0

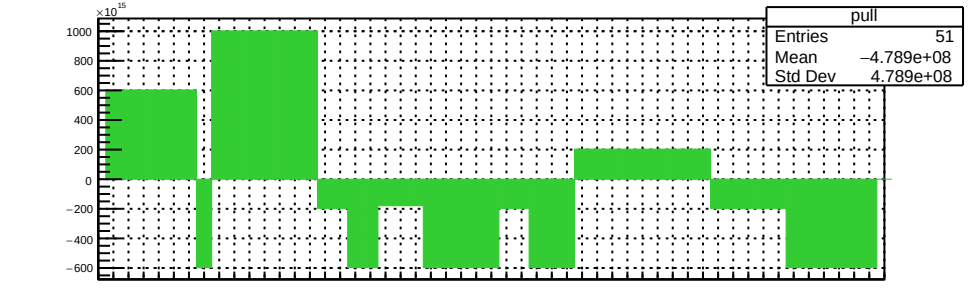

dit_4eY_coil3_mean vs run
χ² / ndf 3.842e+32 / 50
p0 3.605 ± 1.4e–16
pull
Entries 51
Mean –4.831e+08
Std Dev 4.831e+08

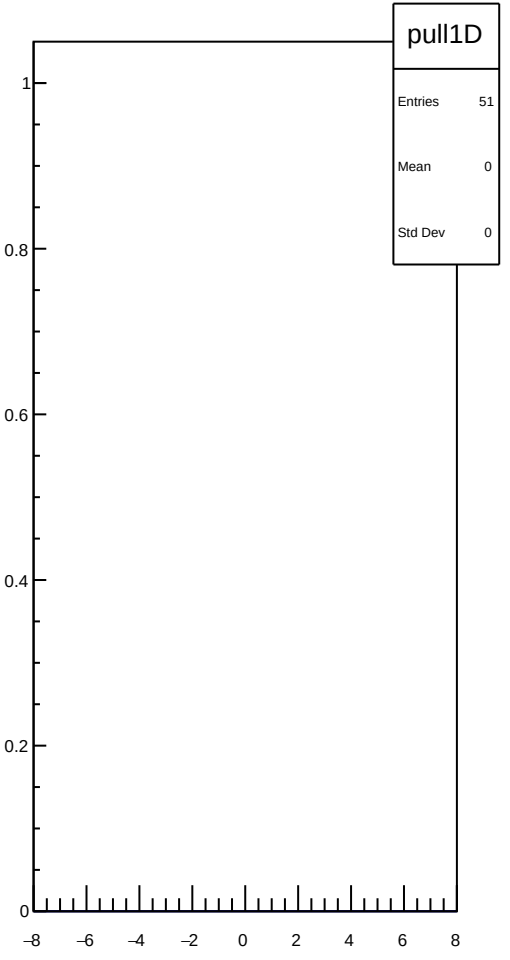

pull1D
Entries 51
Mean 0
Std Dev 0

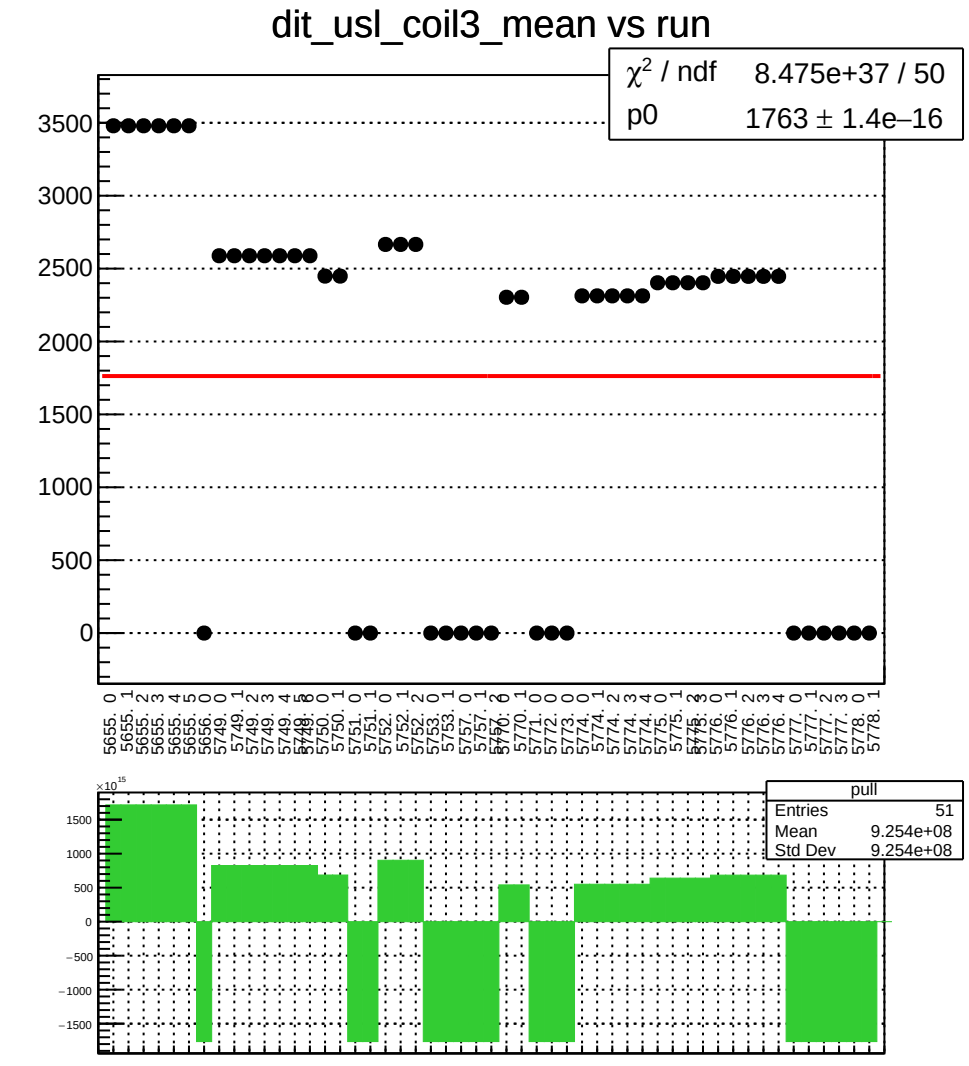

dit_4eY_coil3_err_mean vs run
χ² / ndf 1.13e+31 / 50
p0 0.6222 ± 1.4e−16
pull
Entries 51
Mean −2.75e+08
Std Dev 2.75e+08

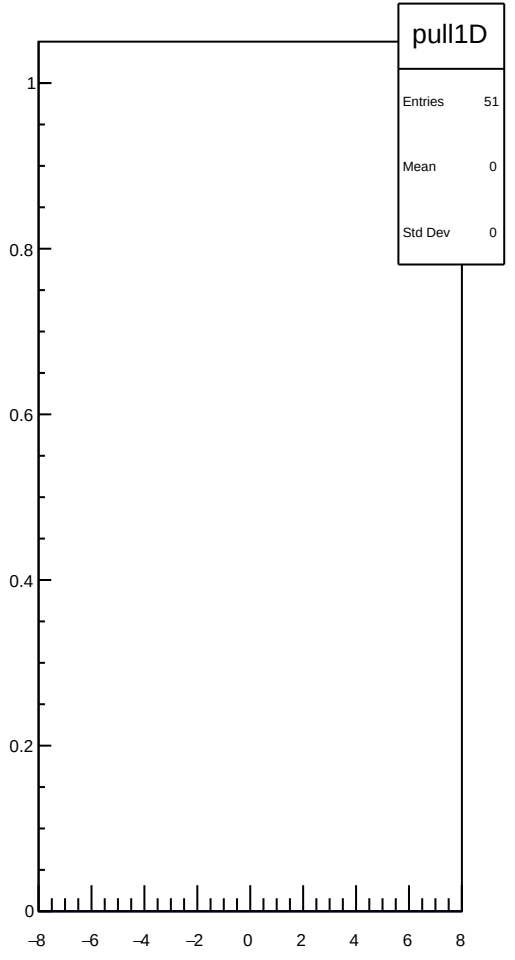

pull1D
Entries 51
Mean 0
Std Dev 0

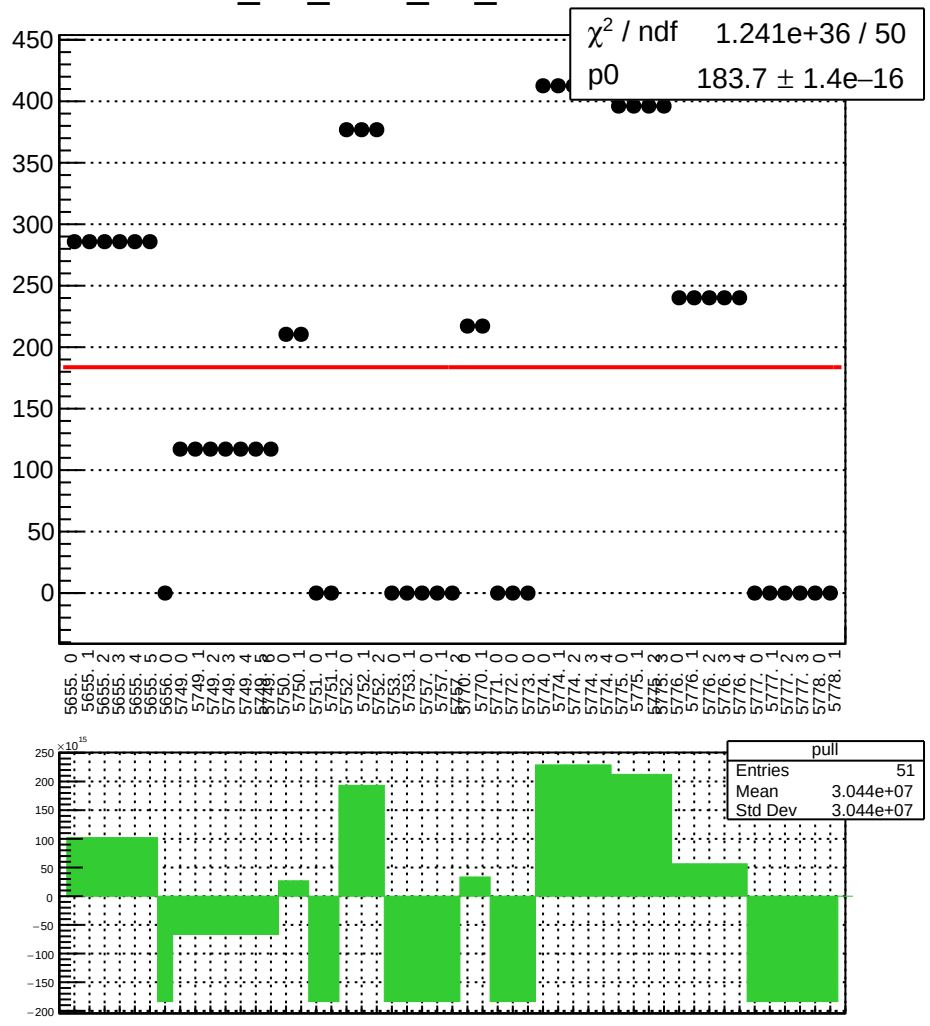

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

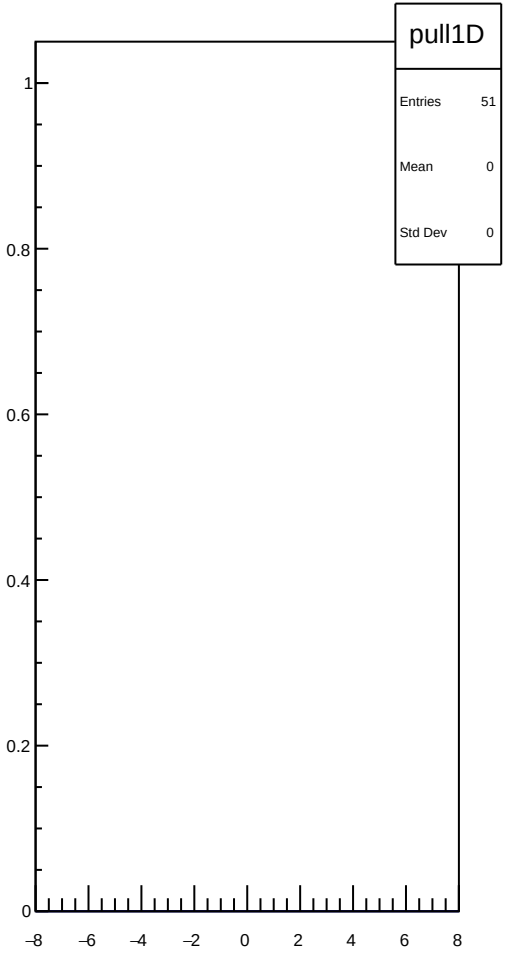

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

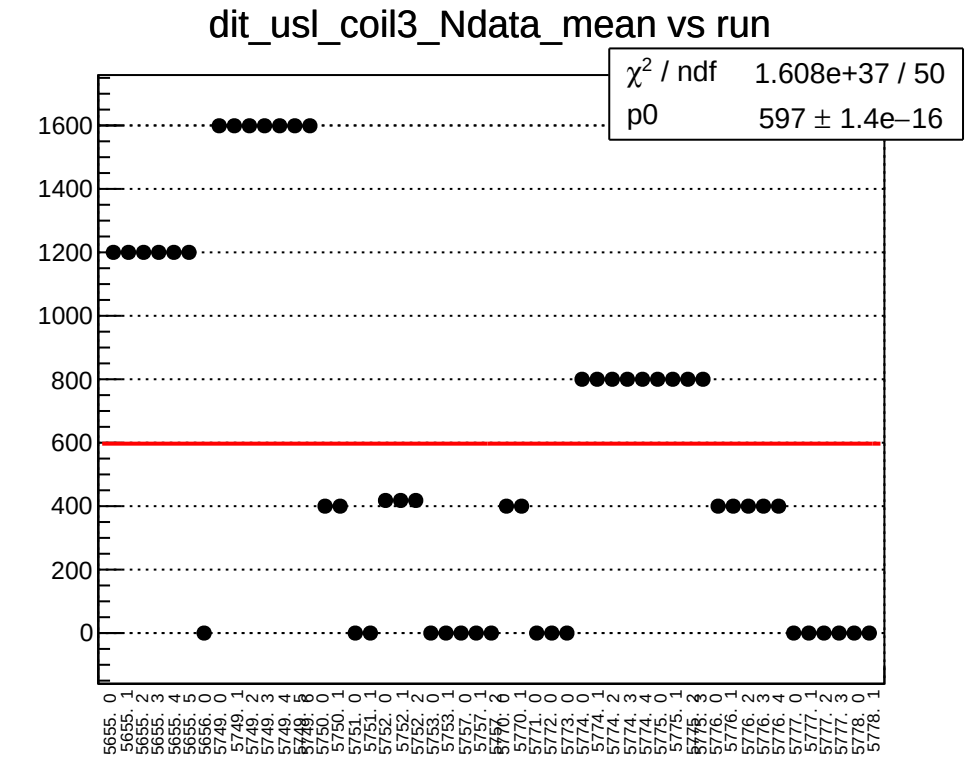

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

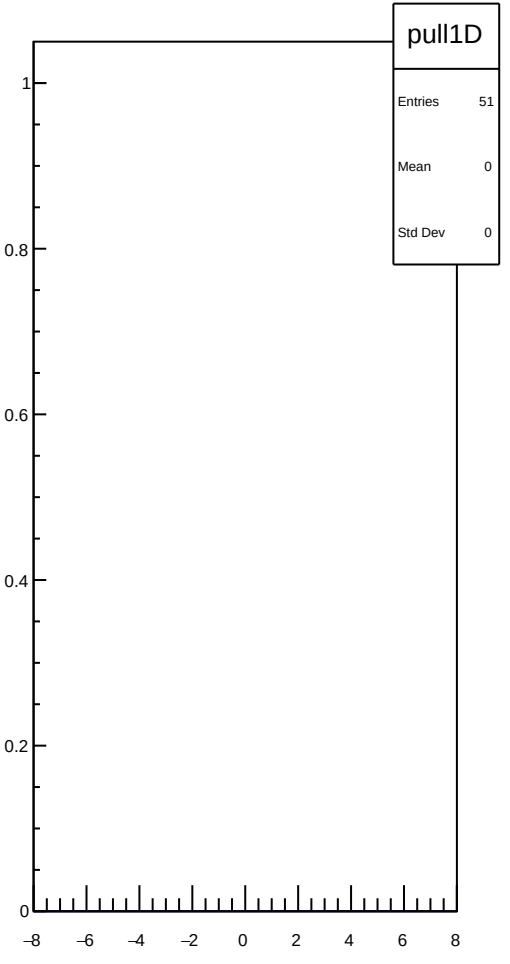

dit_usl_coil3_mean vs run
χ² / ndf 8.475e+37 / 50
p0 1763 ± 1.4e–16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 51
Mean 9.254e+08
Std Dev 9.254e+08
×10¹⁵
1500
1000
500
0
−500
−1000
−1500

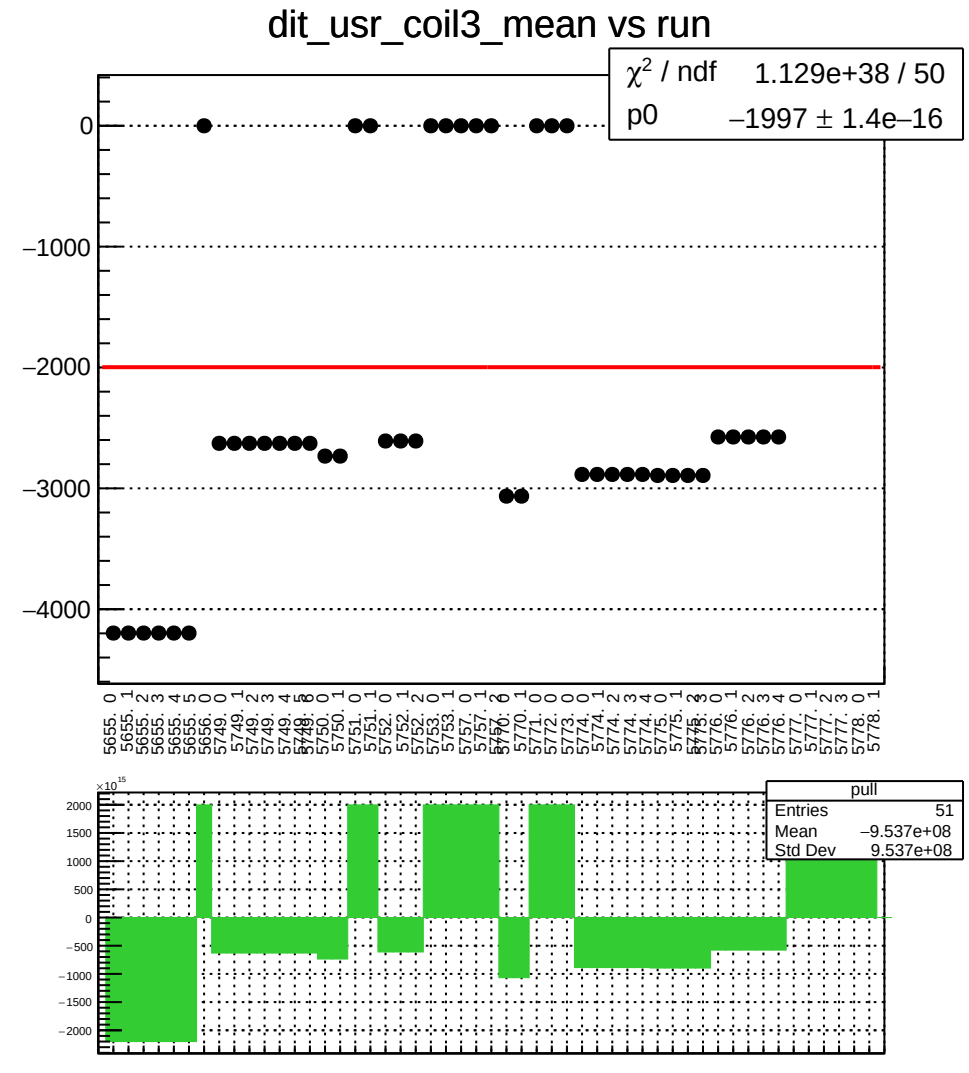

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

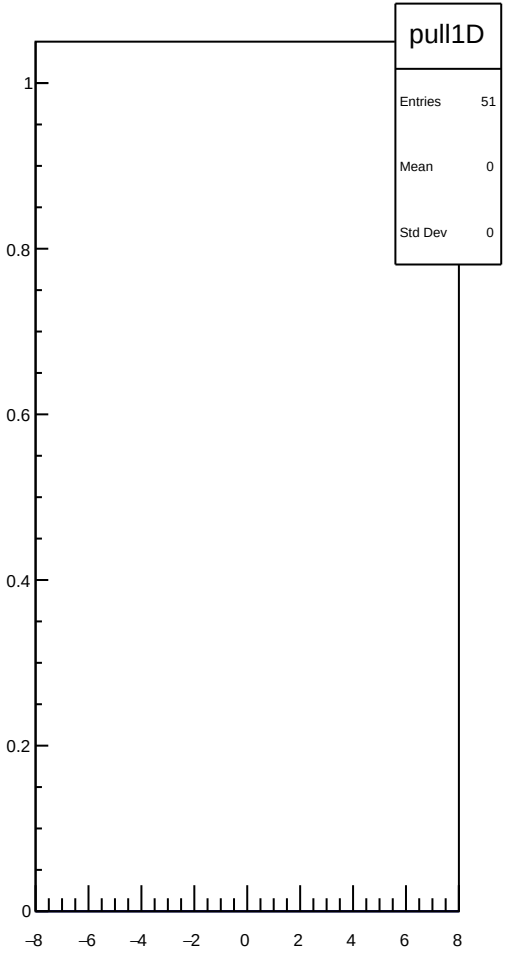

dit_usl_coil3_err_mean vs run
χ² / ndf 1.241e+36 / 50
p0 183.7 ± 1.4e–16
pull
Entries 51
Mean 3.044e+07
Std Dev 3.044e+07

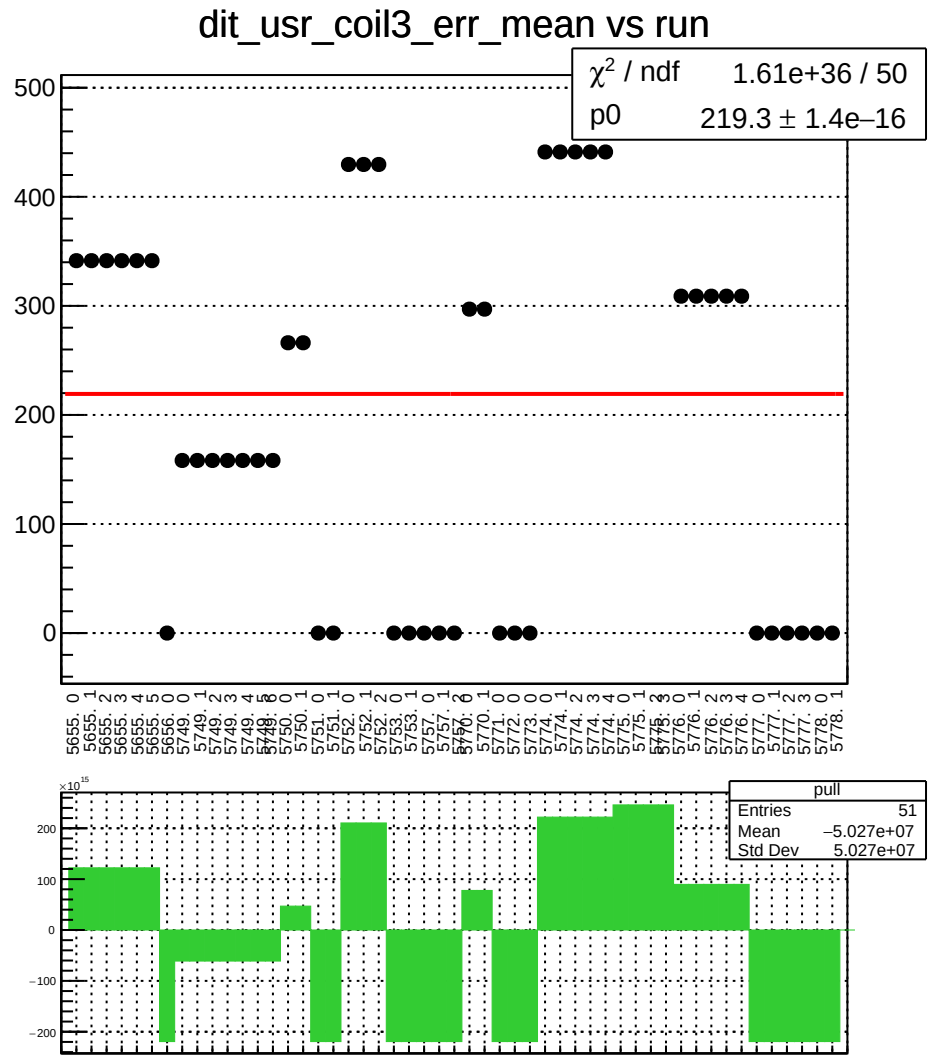

pull1D
Entries 51
Mean 0
Std Dev 0

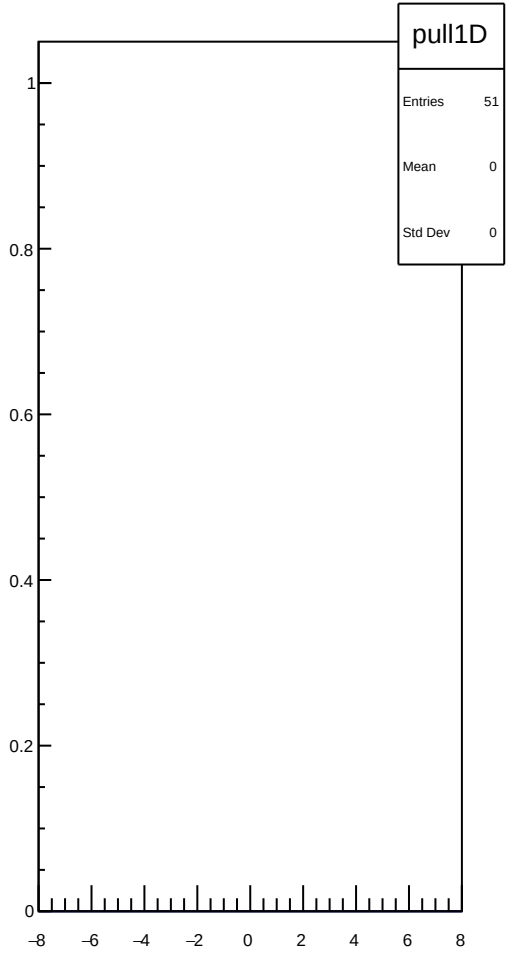

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600

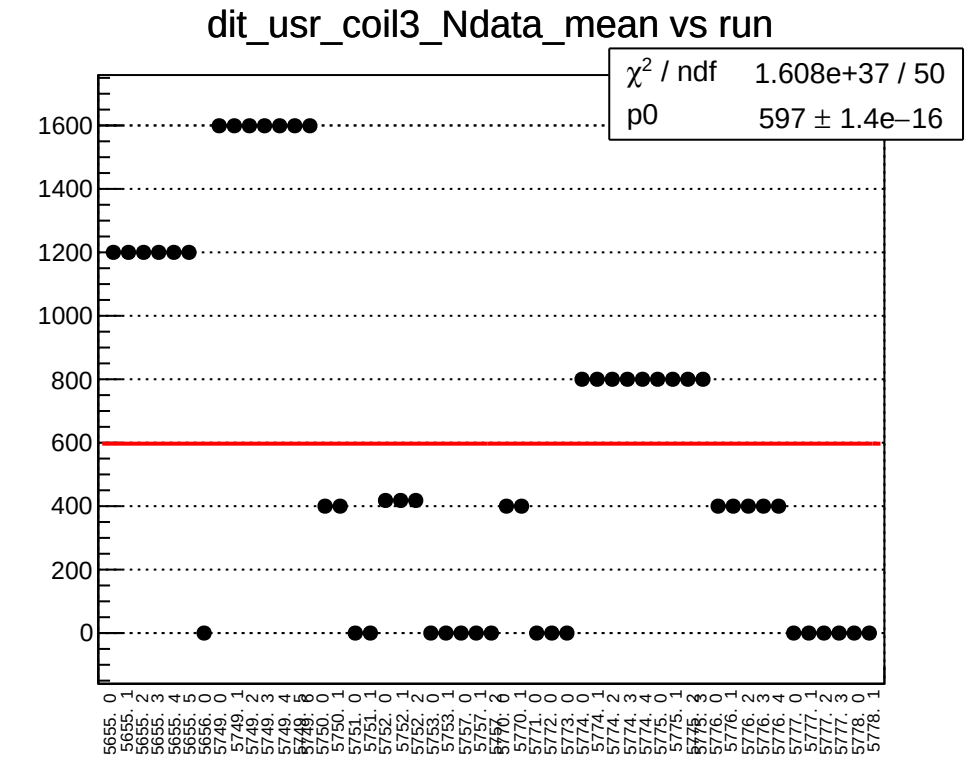

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

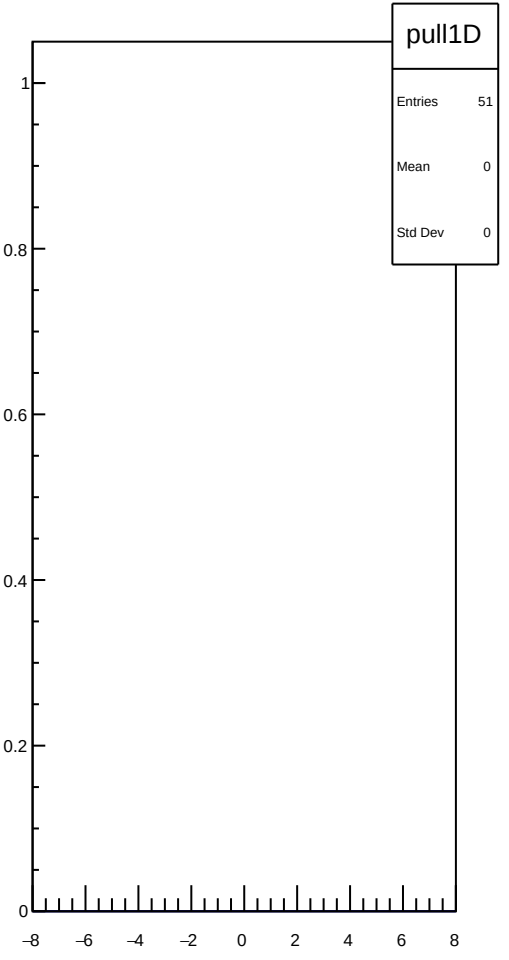

dit_usr_coil3_mean vs run
χ² / ndf 1.129e+38 / 50
p0 −1997 ± 1.4e−16
0
−1000
−2000
−3000
−4000
pull
Entries 51
Mean −9.537e+08
Std Dev 9.537e+08
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000

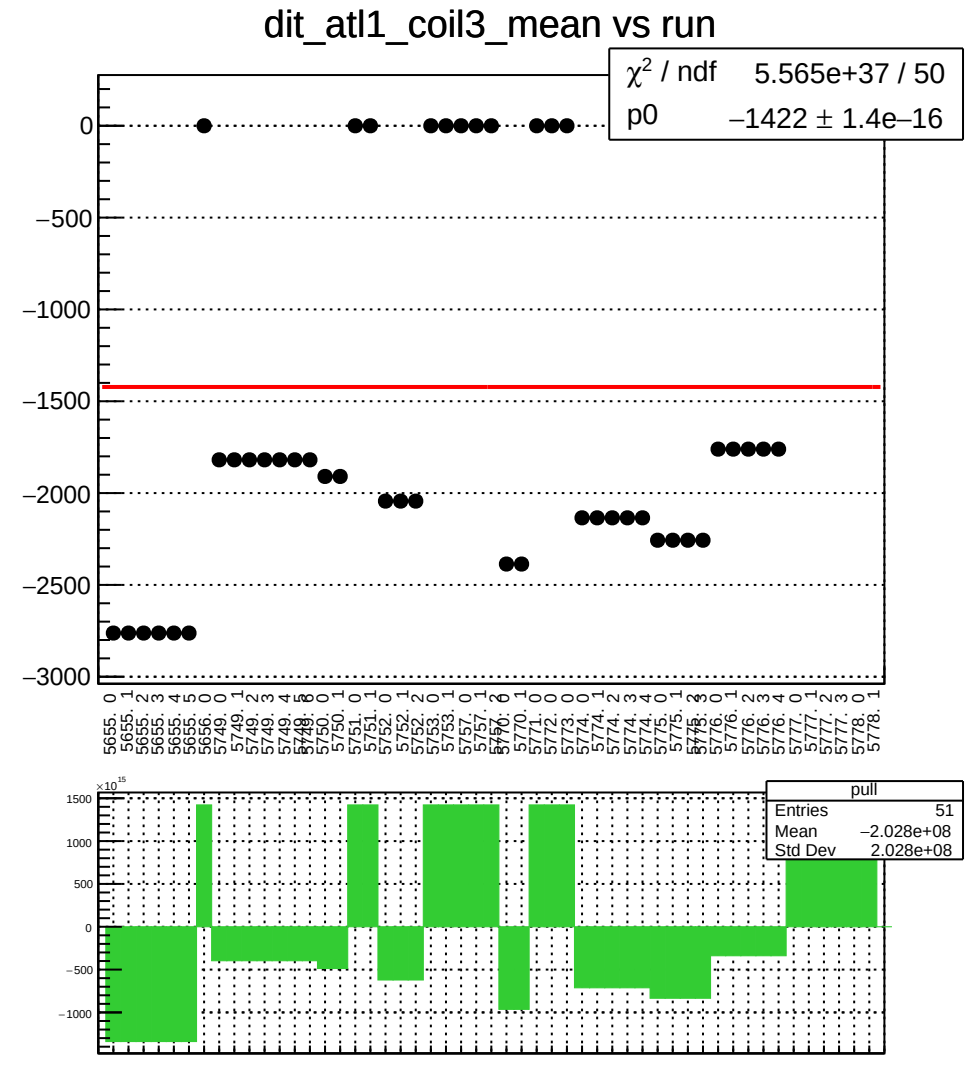

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

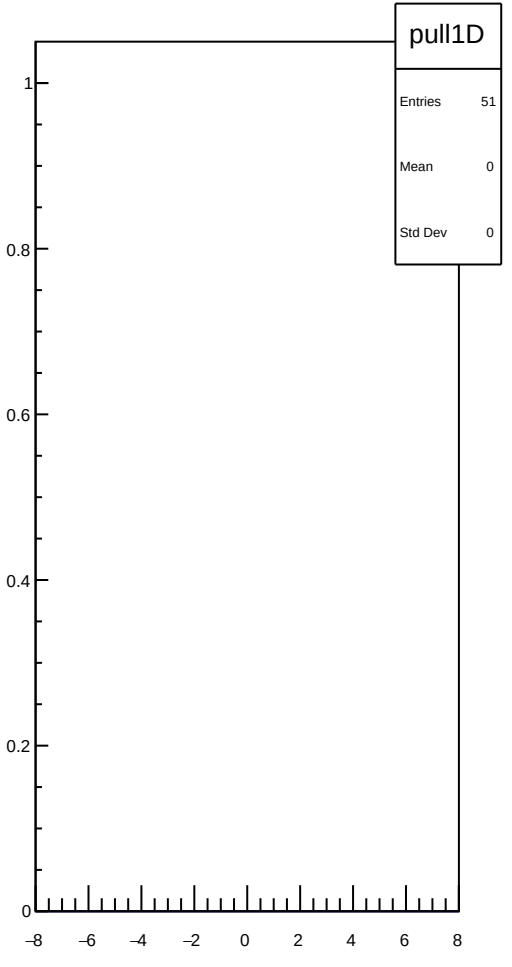

dit_usr_coil3_err_mean vs run
χ² / ndf 1.61e+36 / 50
p0 219.3 ± 1.4e–16
pull
Entries 51
Mean –5.027e+07
Std Dev 5.027e+07

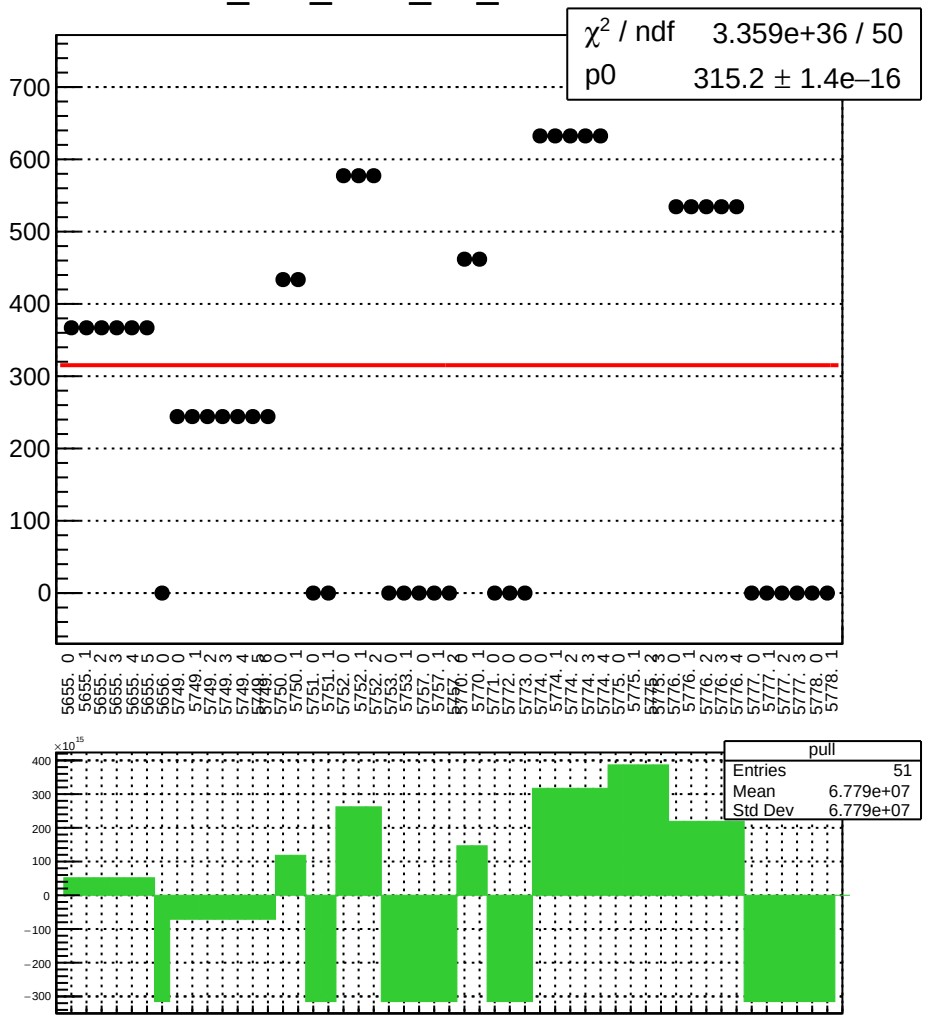

pull1D
Entries 51
Mean 0
Std Dev 0

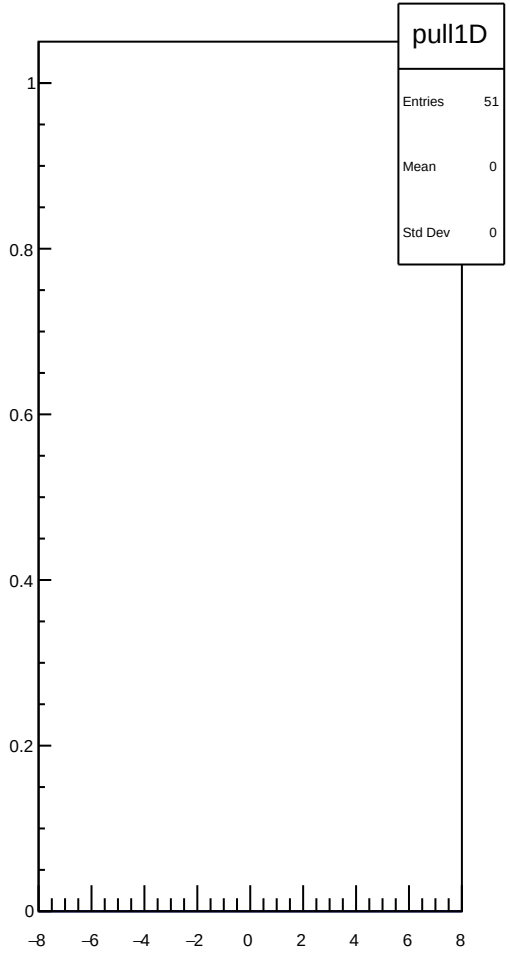

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

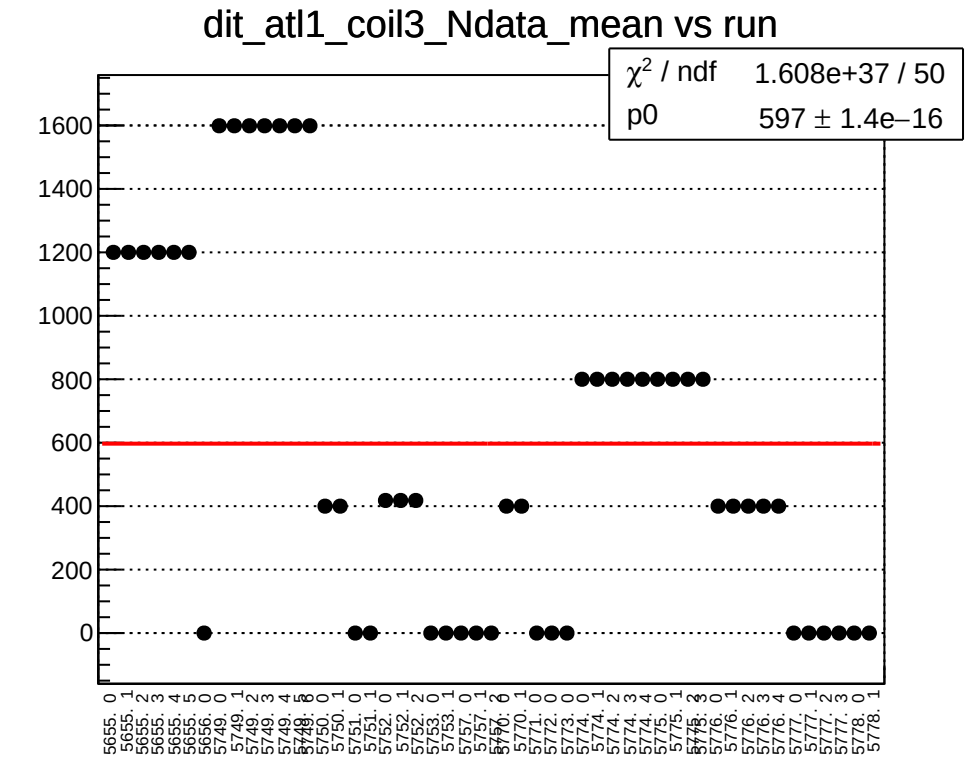

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

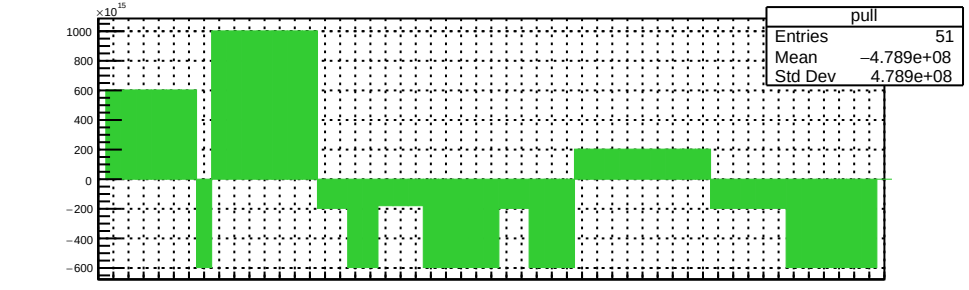

dit_atl1_coil3_mean vs run
χ² / ndf 5.565e+37 / 50
p0 −1422 ± 1.4e−16
0
−500
−1000
−1500
−2000
−2500
−3000
×10¹⁵
1500
1000
500
0
−500
−1000
pull
Entries 51
Mean −2.028e+08
Std Dev 2.028e+08

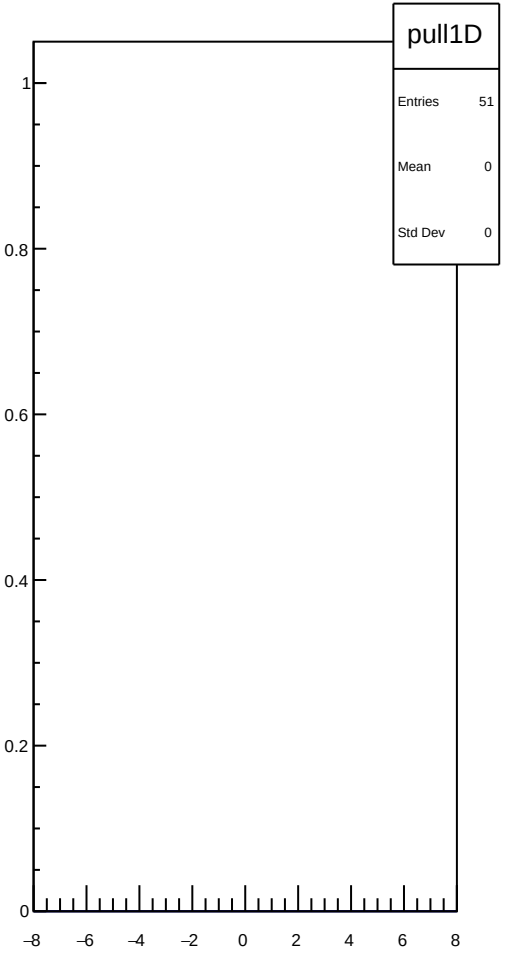

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

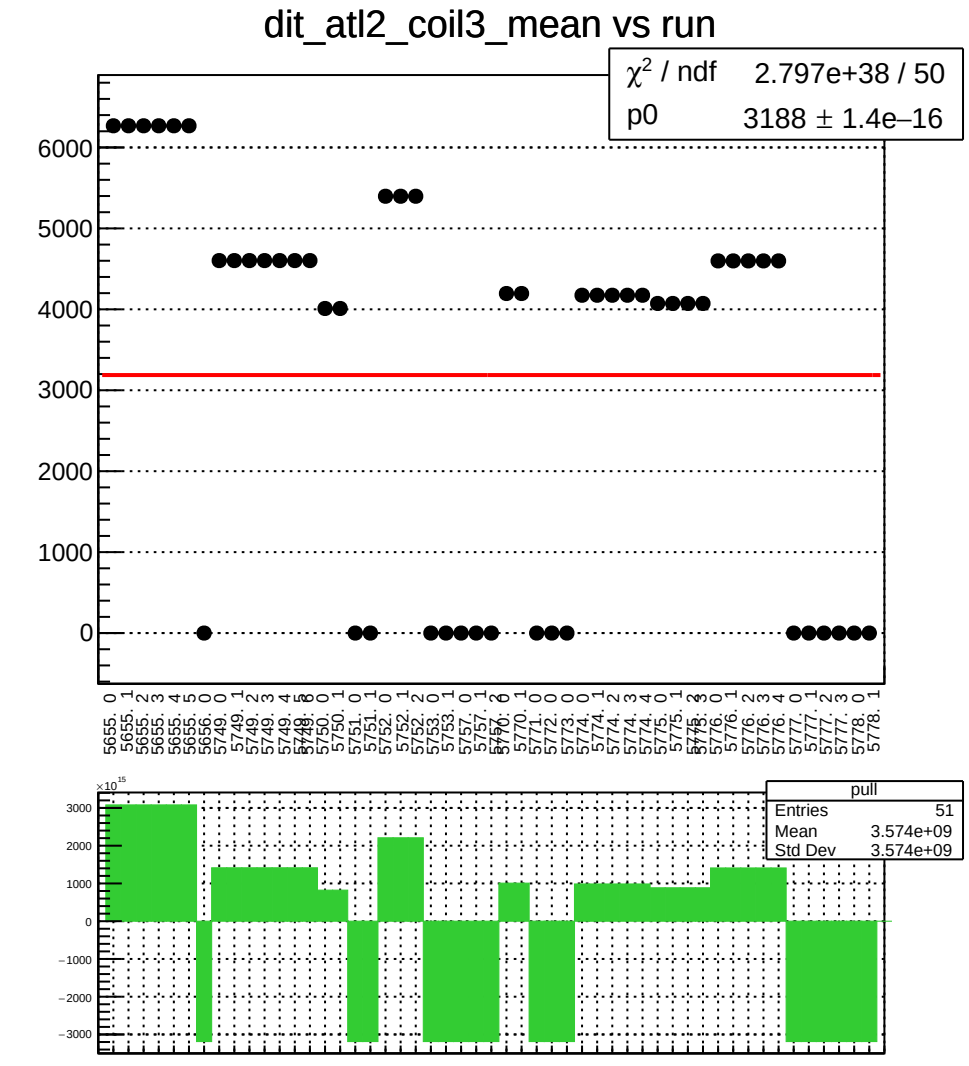

dit_atl1_coil3_err_mean vs run
χ² / ndf 3.359e+36 / 50
p0 315.2 ± 1.4e–16
pull
Entries 51
Mean 6.779e+07
Std Dev 6.779e+07

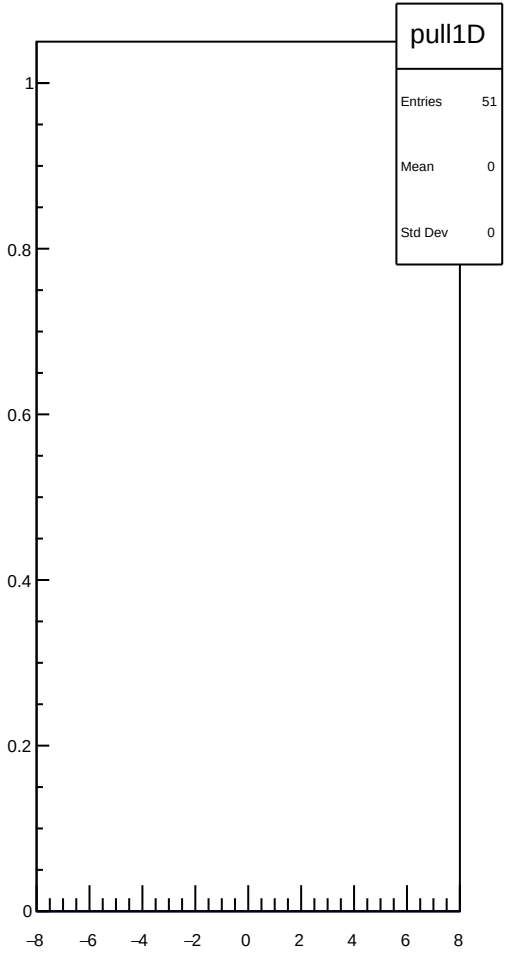

pull1D
Entries 51
Mean 0
Std Dev 0

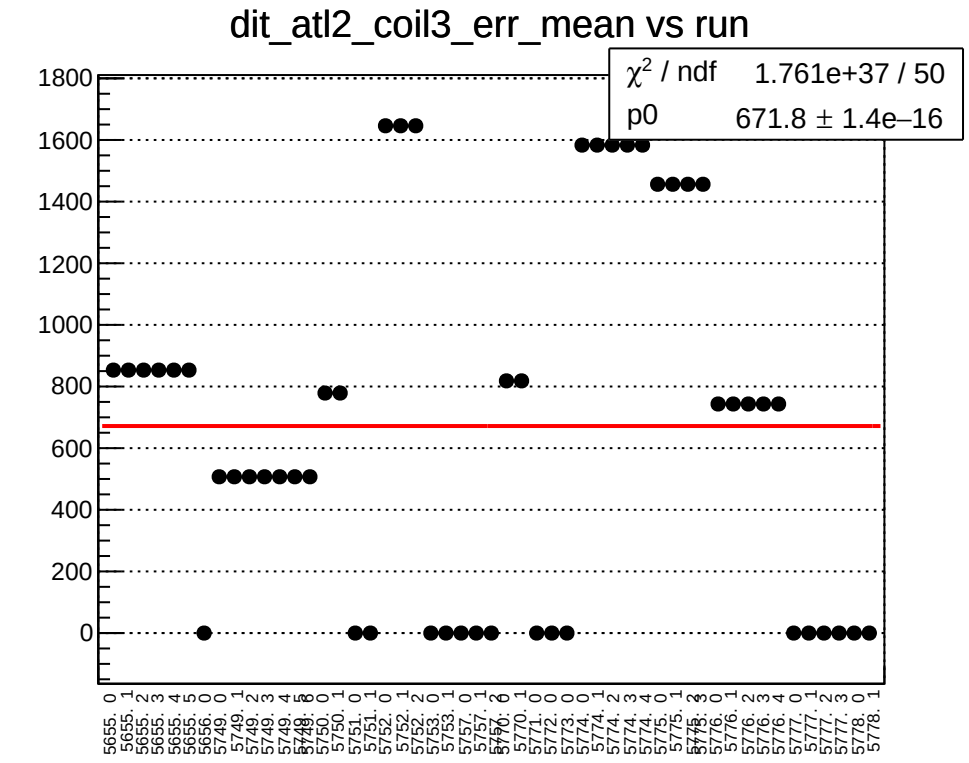

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

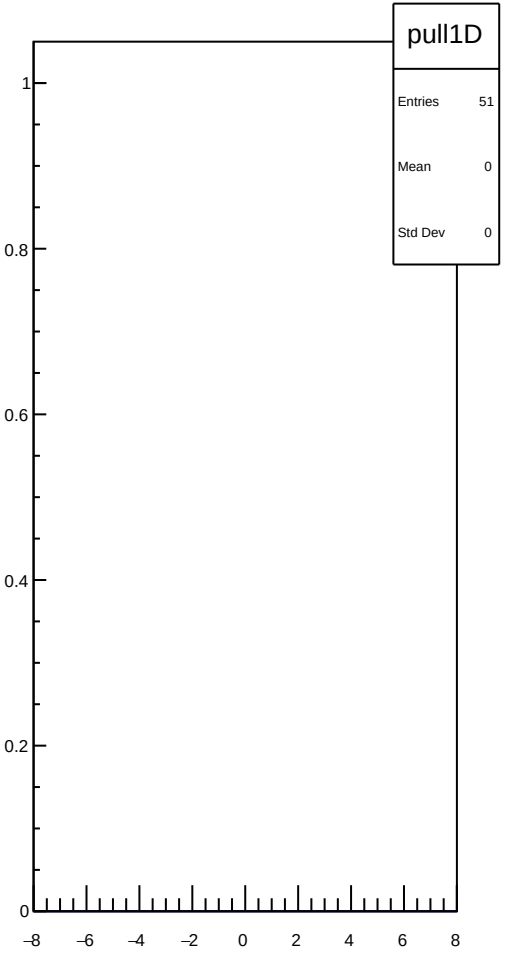

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

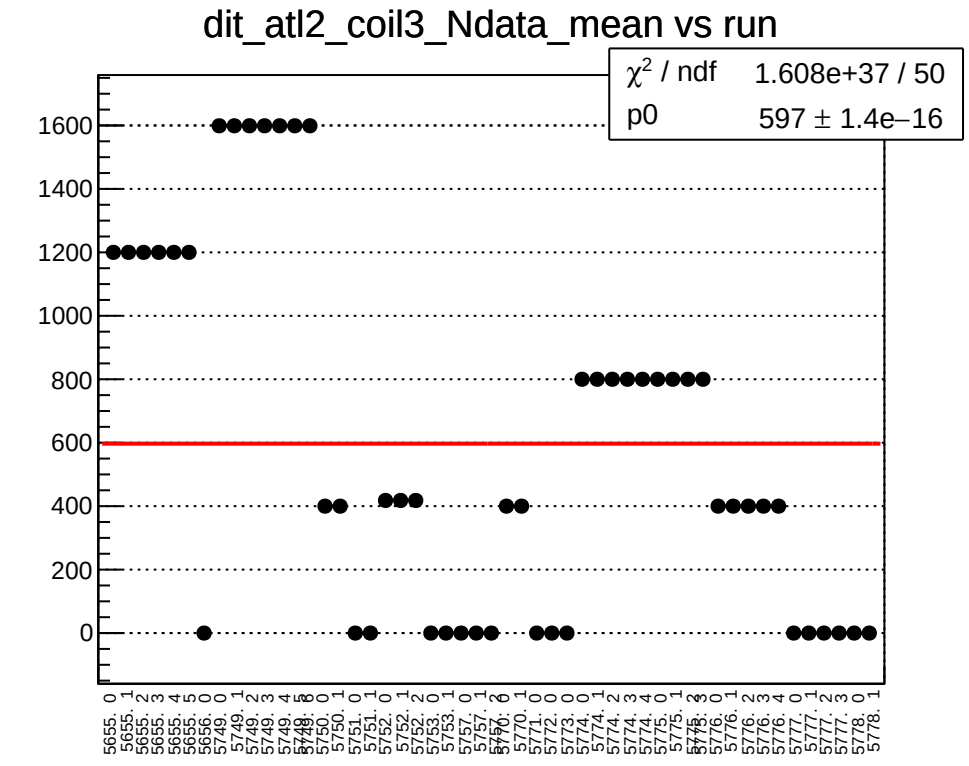

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

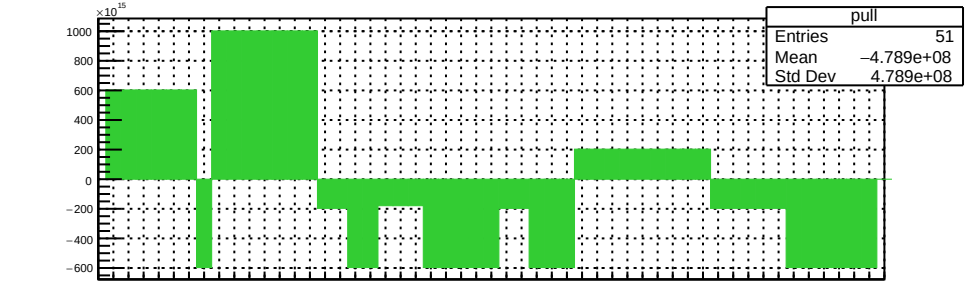

dit_atl2_coil3_mean vs run
χ² / ndf 2.797e+38 / 50
p0 3188 ± 1.4e–16
pull
Entries 51
Mean 3.574e+09
Std Dev 3.574e+09

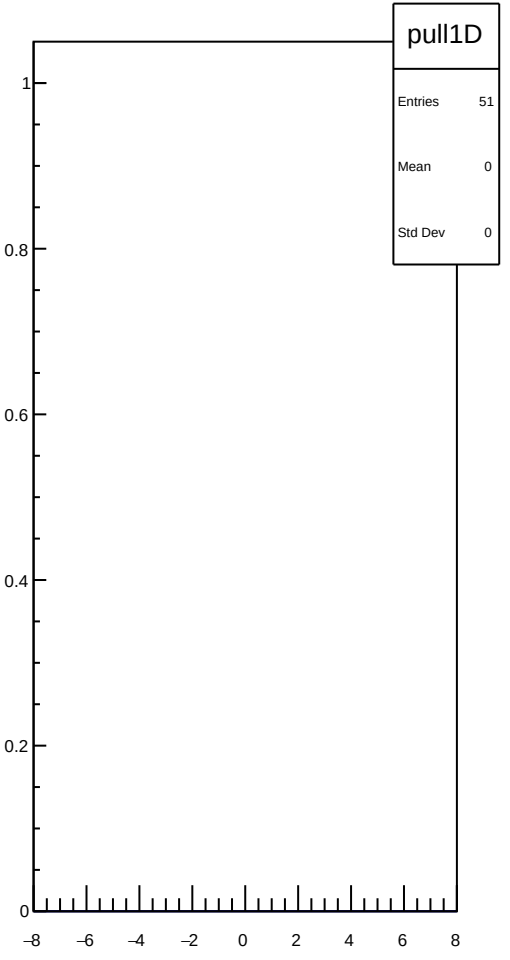

pull1D
Entries 51
Mean 0
Std Dev 0

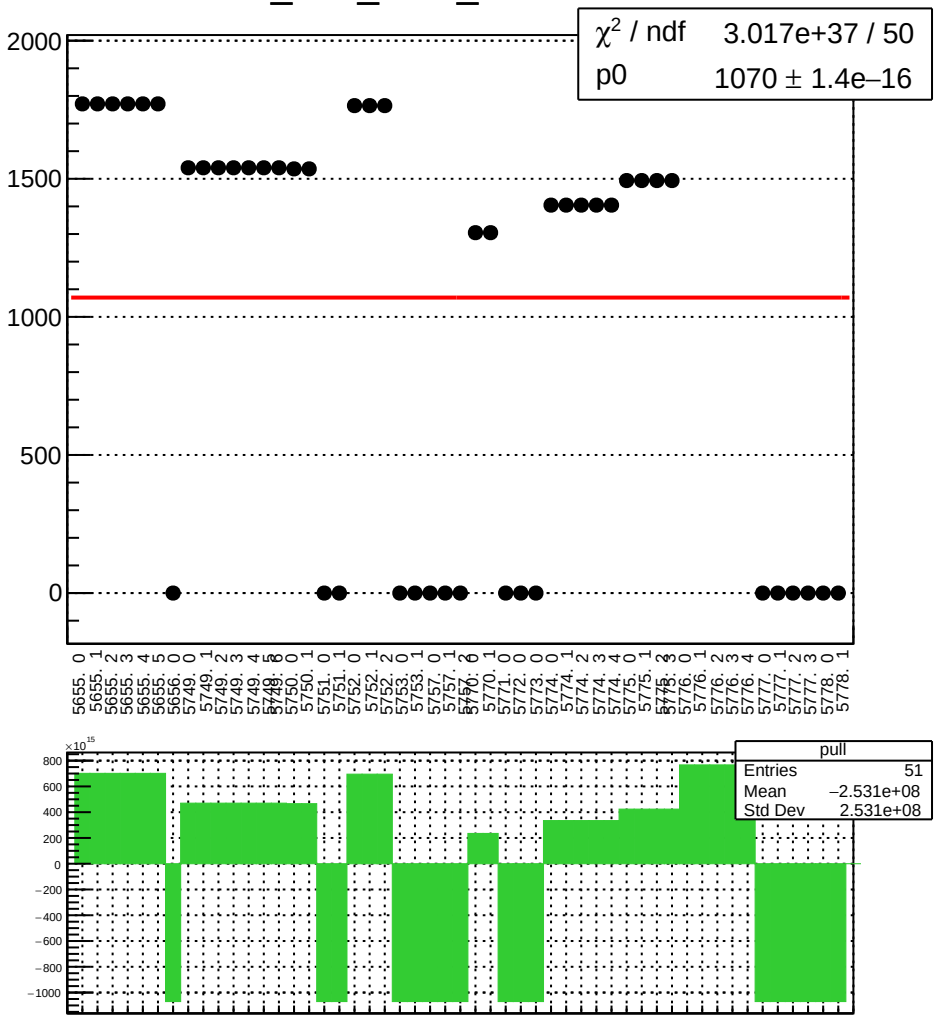

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.761e+37 / 50
p0 671.8 ± 1.4e–16
1800
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean –5.073e+07
Std Dev 5.073e+07

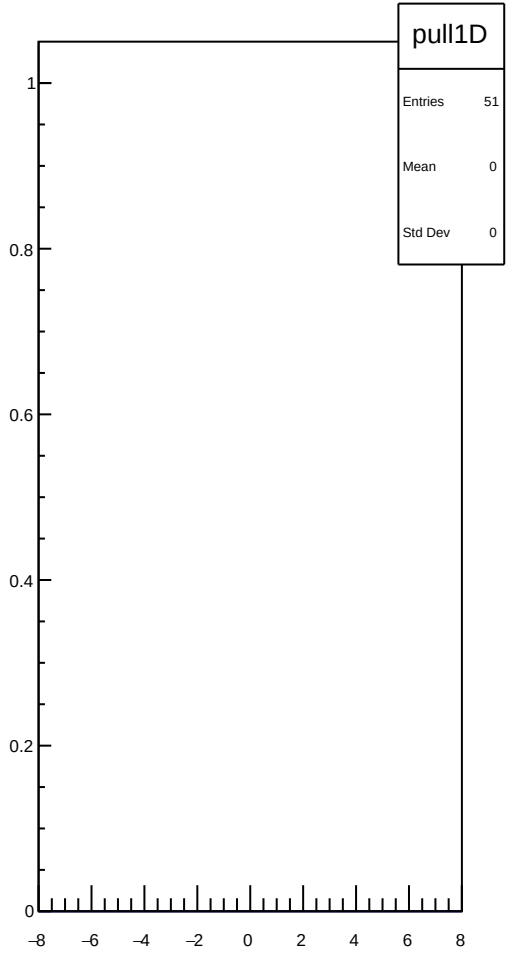

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

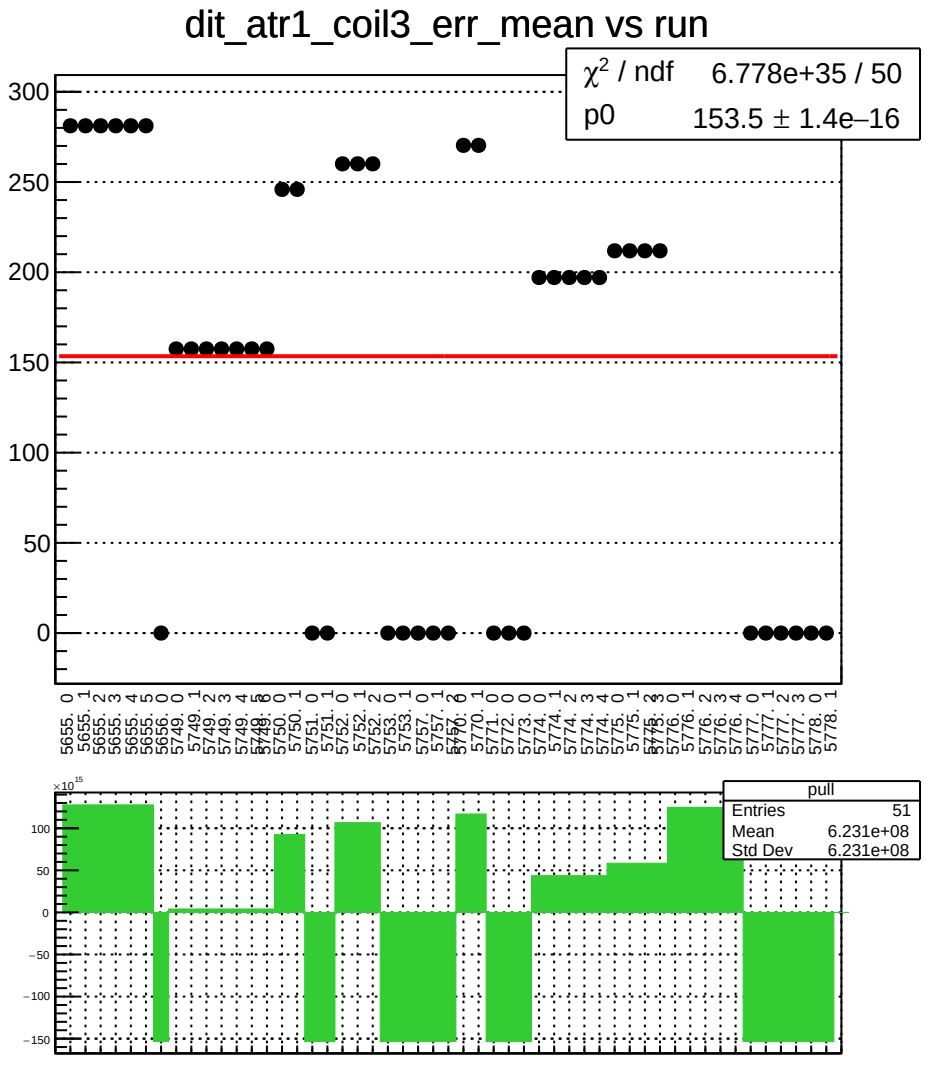

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

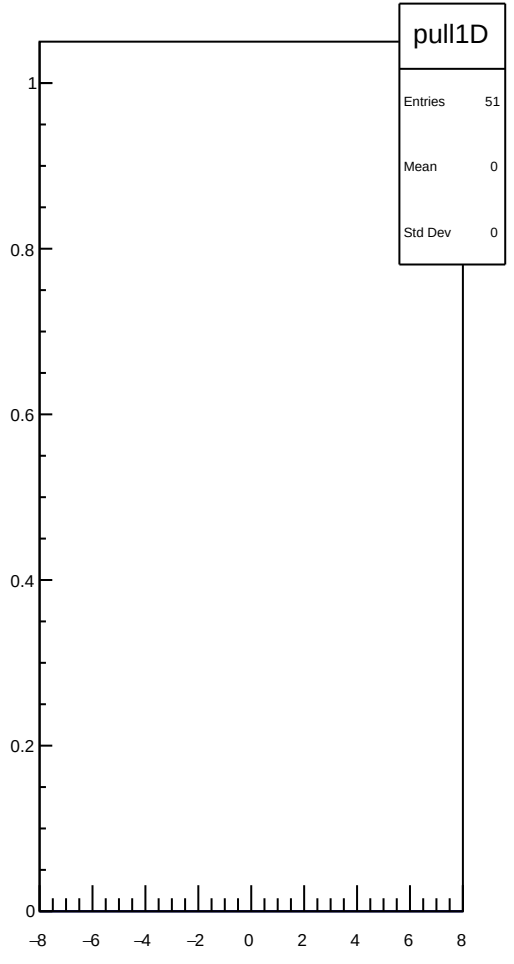

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

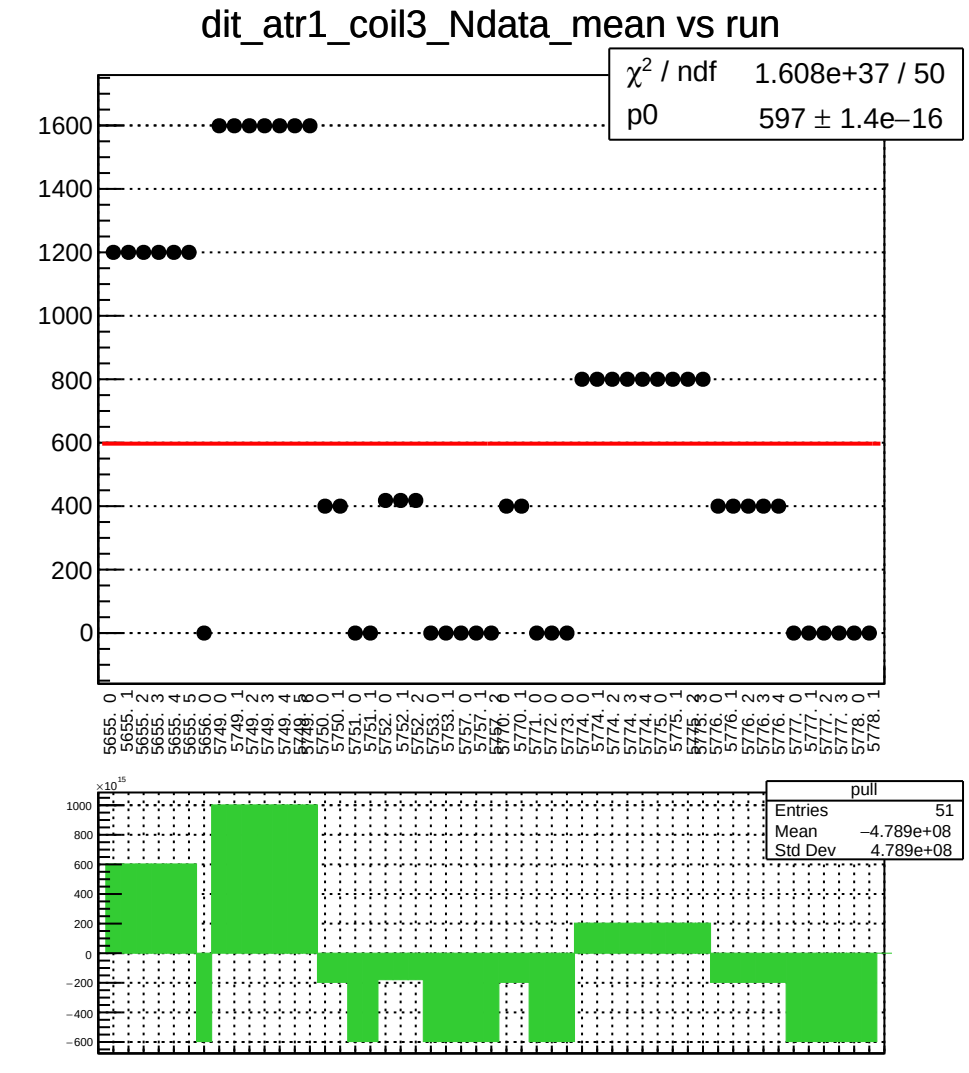

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

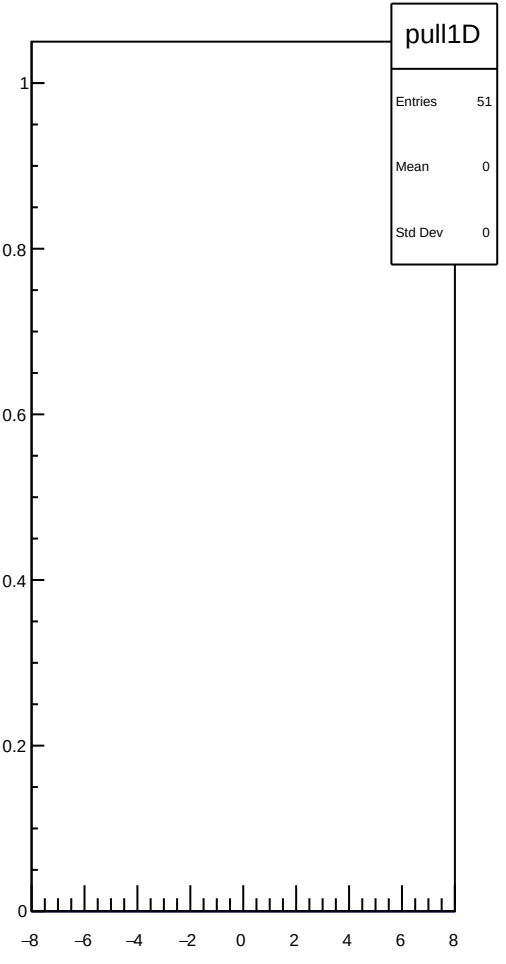

dit_atr1_coil3_mean vs run
χ² / ndf 3.017e+37 / 50
p0 1070 ± 1.4e–16
2000
1500
1000
500
0
pull
Entries 51
Mean –2.531e+08
Std Dev 2.531e+08
×10¹⁵
800
600
400
200
0
–200
–400
–600
–800
–1000

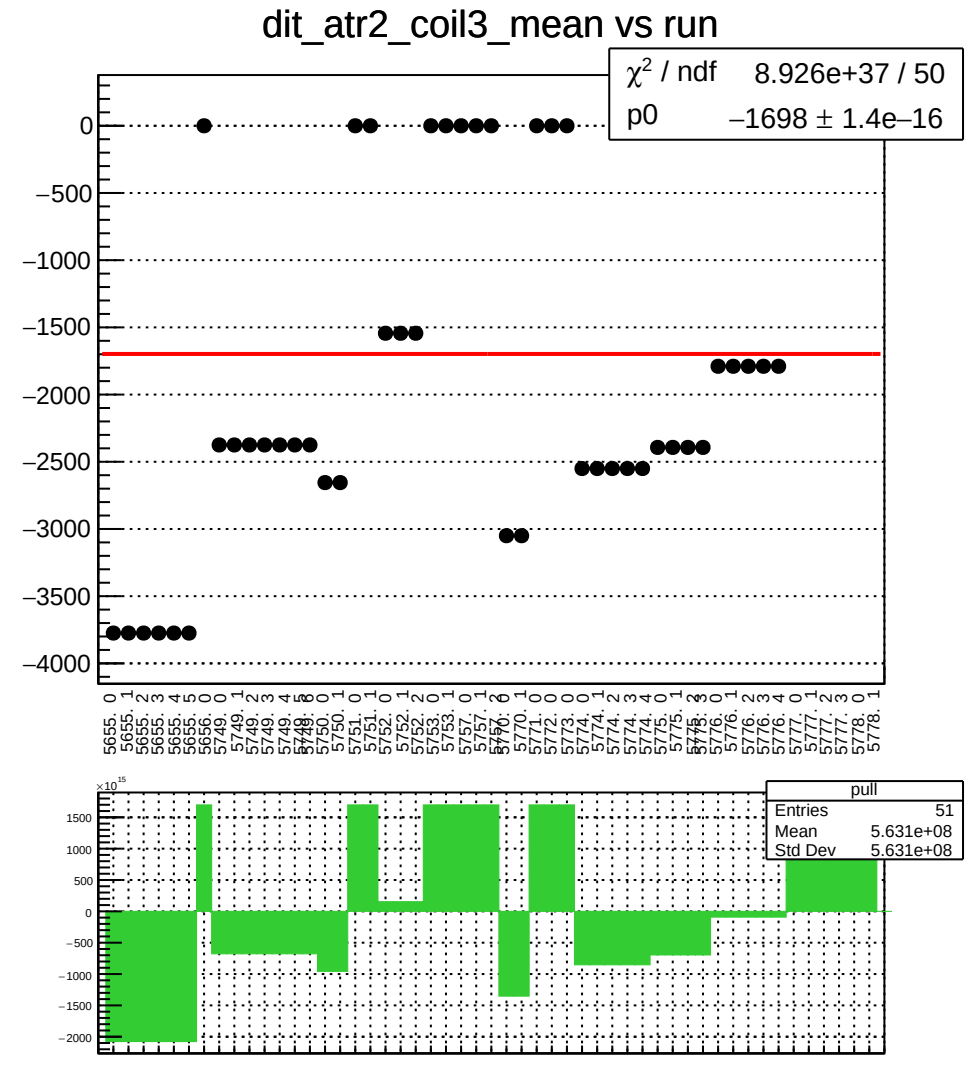

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

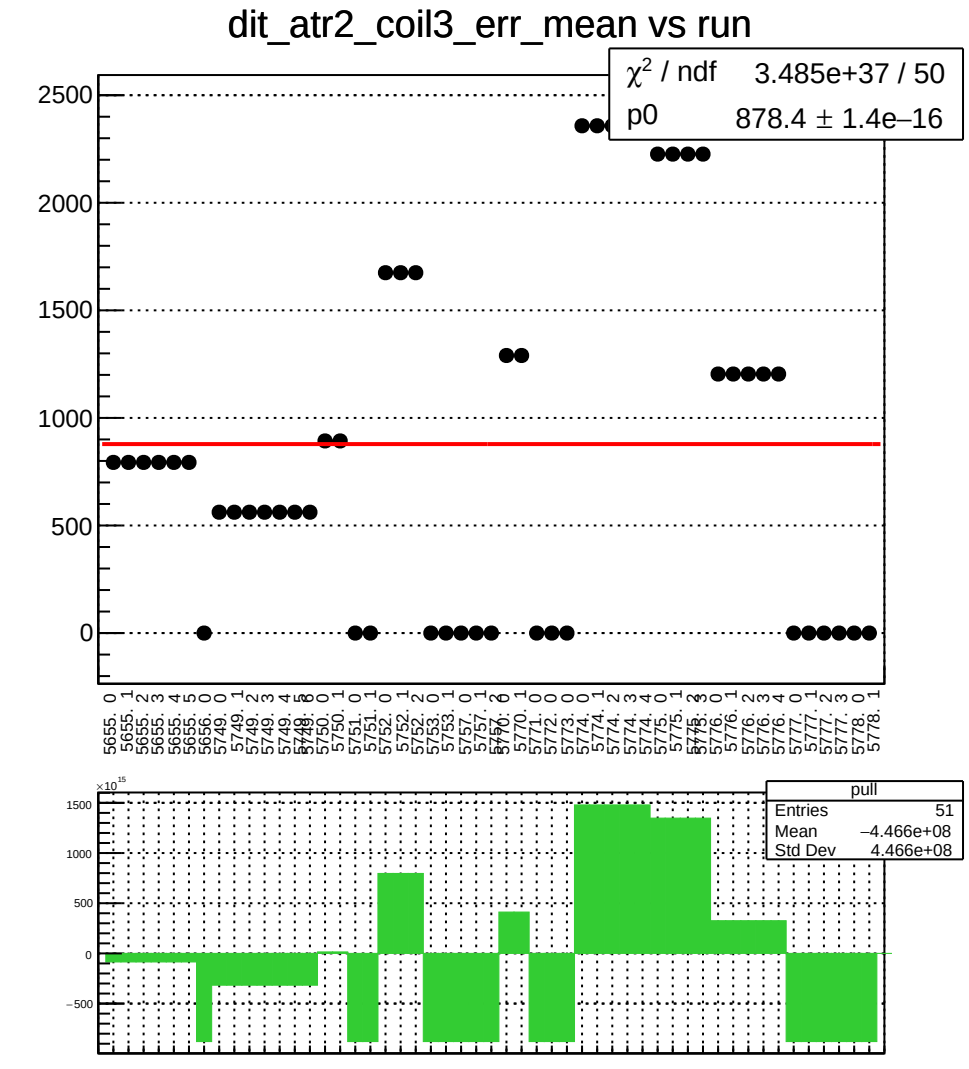

dit_atr1_coil3_err_mean vs run
χ² / ndf 6.778e+35 / 50
p0 153.5 ± 1.4e–16
pull
Entries 51
Mean 6.231e+08
Std Dev 6.231e+08

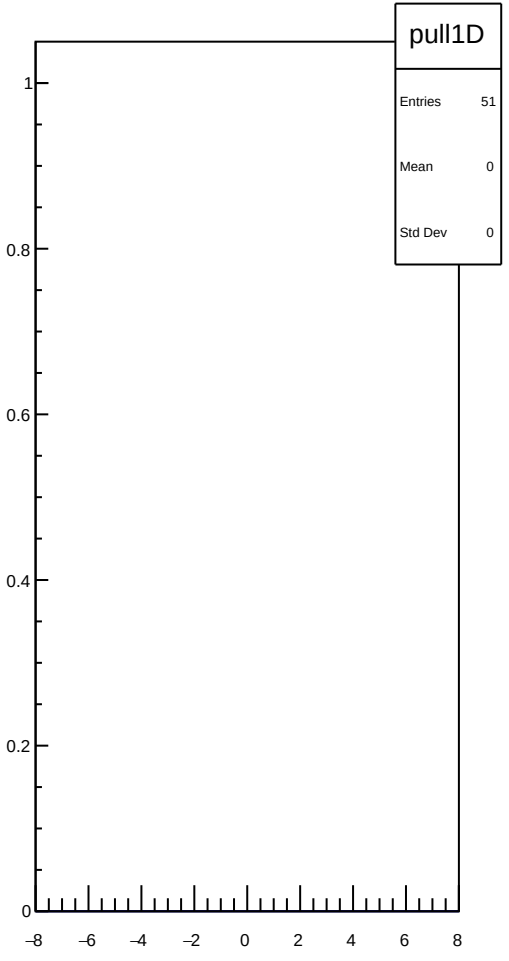

pull1D
Entries 51
Mean 0
Std Dev 0

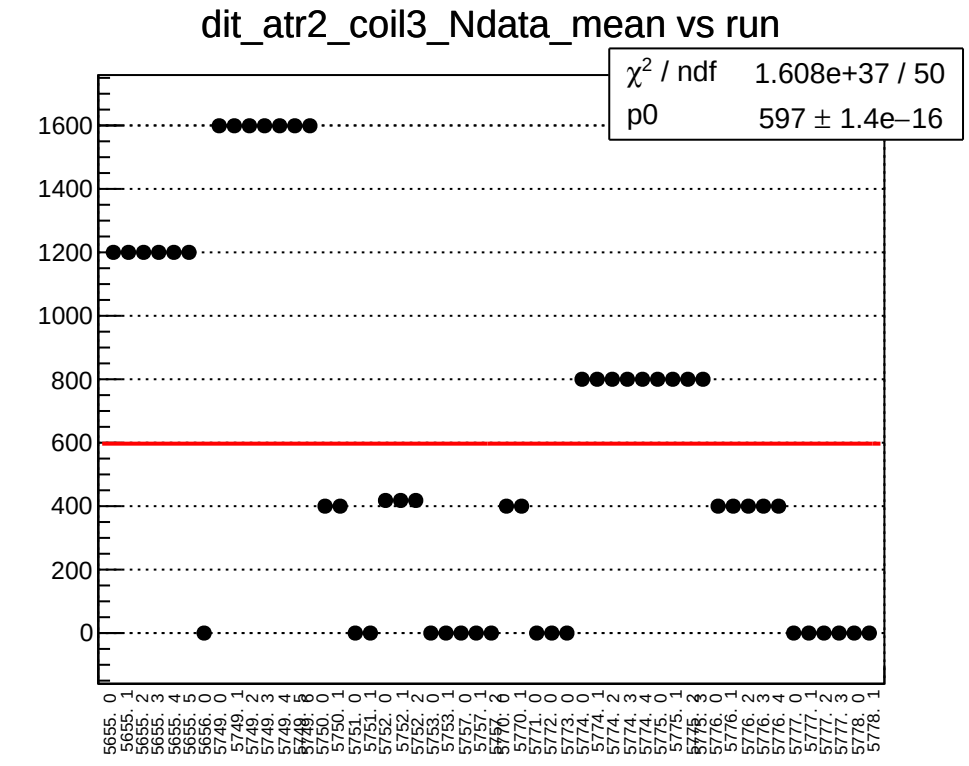

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

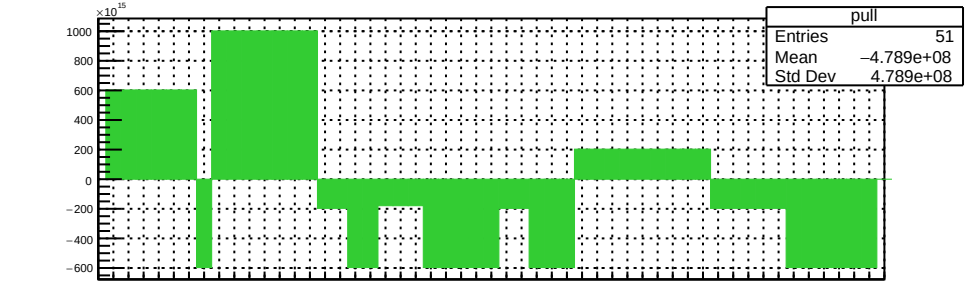

pull1D
Entries 51
Mean 0
Std Dev 0

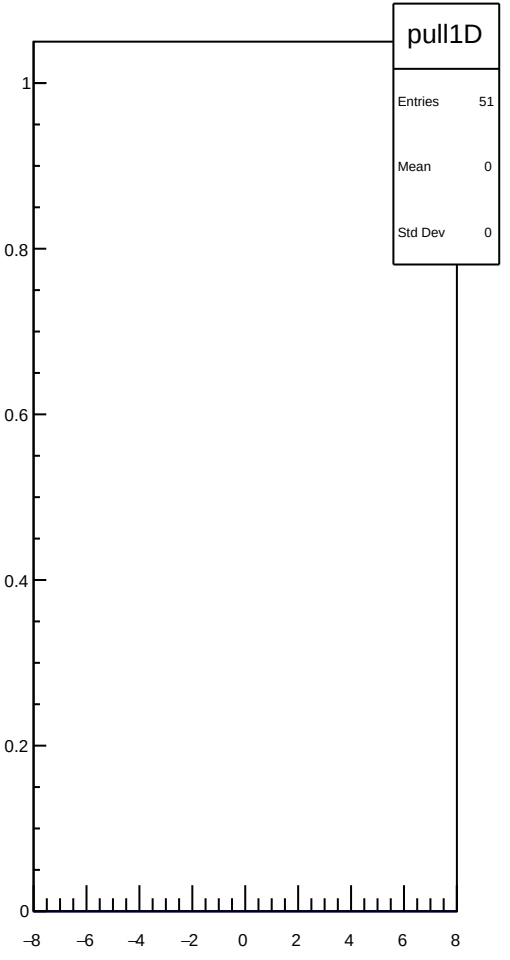

dit_atr2_coil3_mean vs run
χ² / ndf 8.926e+37 / 50
p0 –1698 ± 1.4e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
–4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1500
1000
500
0
–500
–1000
–1500
–2000
pull
Entries 51
Mean 5.631e+08
Std Dev 5.631e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

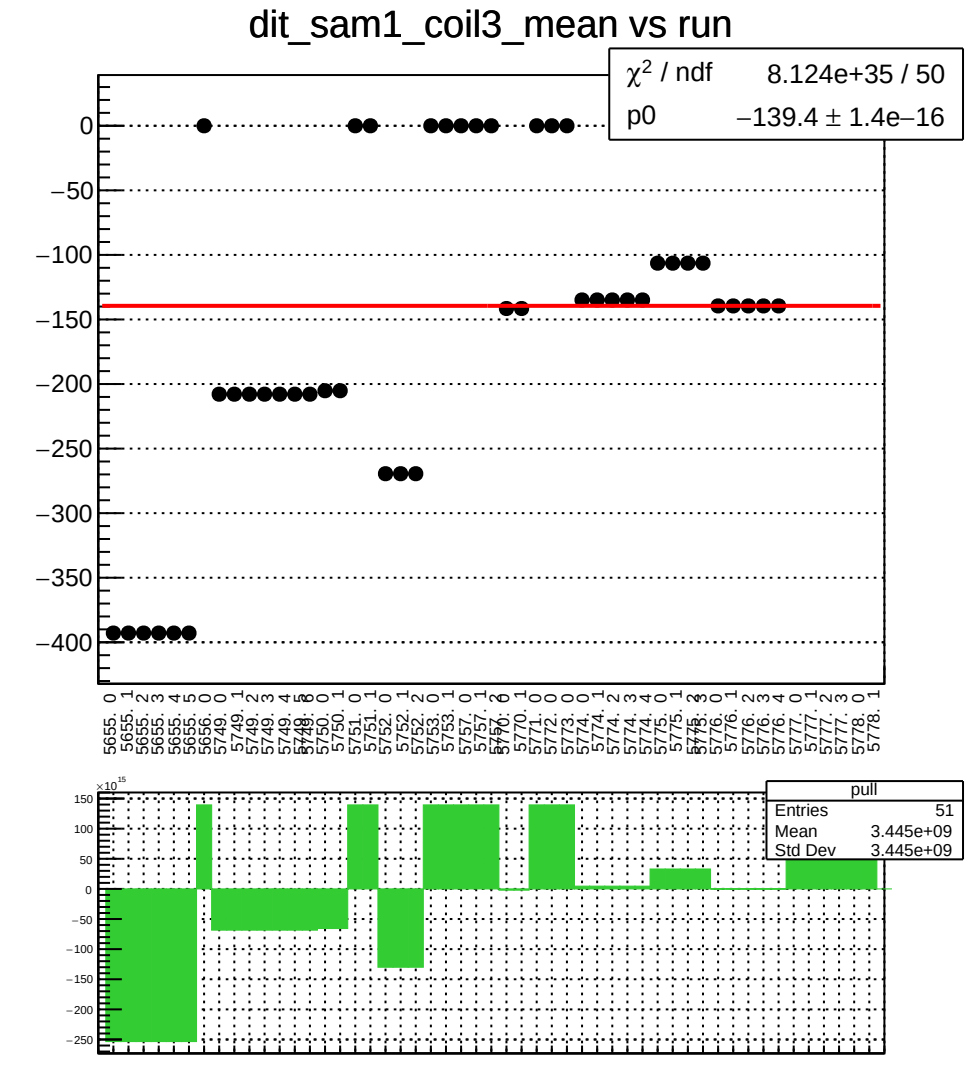

dit_atr2_coil3_err_mean vs run
χ² / ndf 3.485e+37 / 50
p0 878.4 ± 1.4e–16
2500
2000
1500
1000
500
0
pull
Entries 51
Mean –4.466e+08
Std Dev 4.466e+08
×10¹⁵
1500
1000
500
0
−500

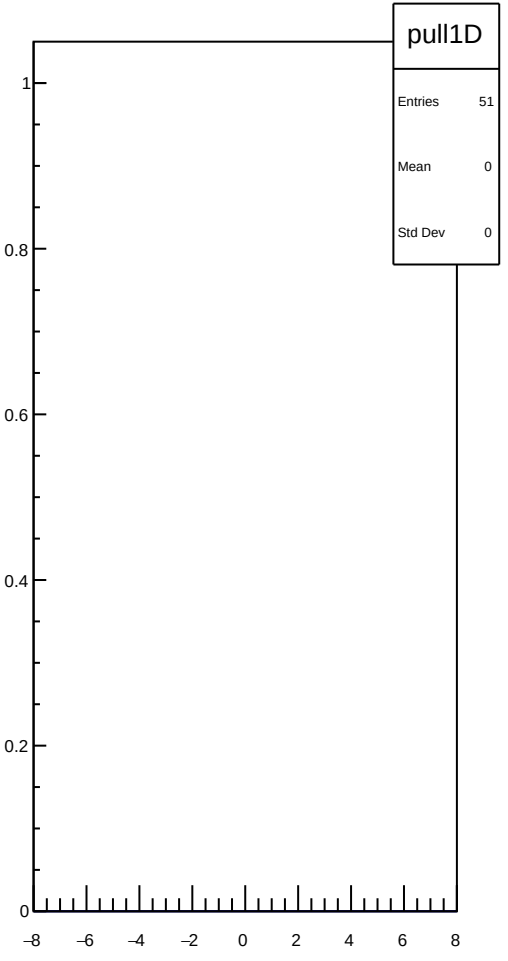

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

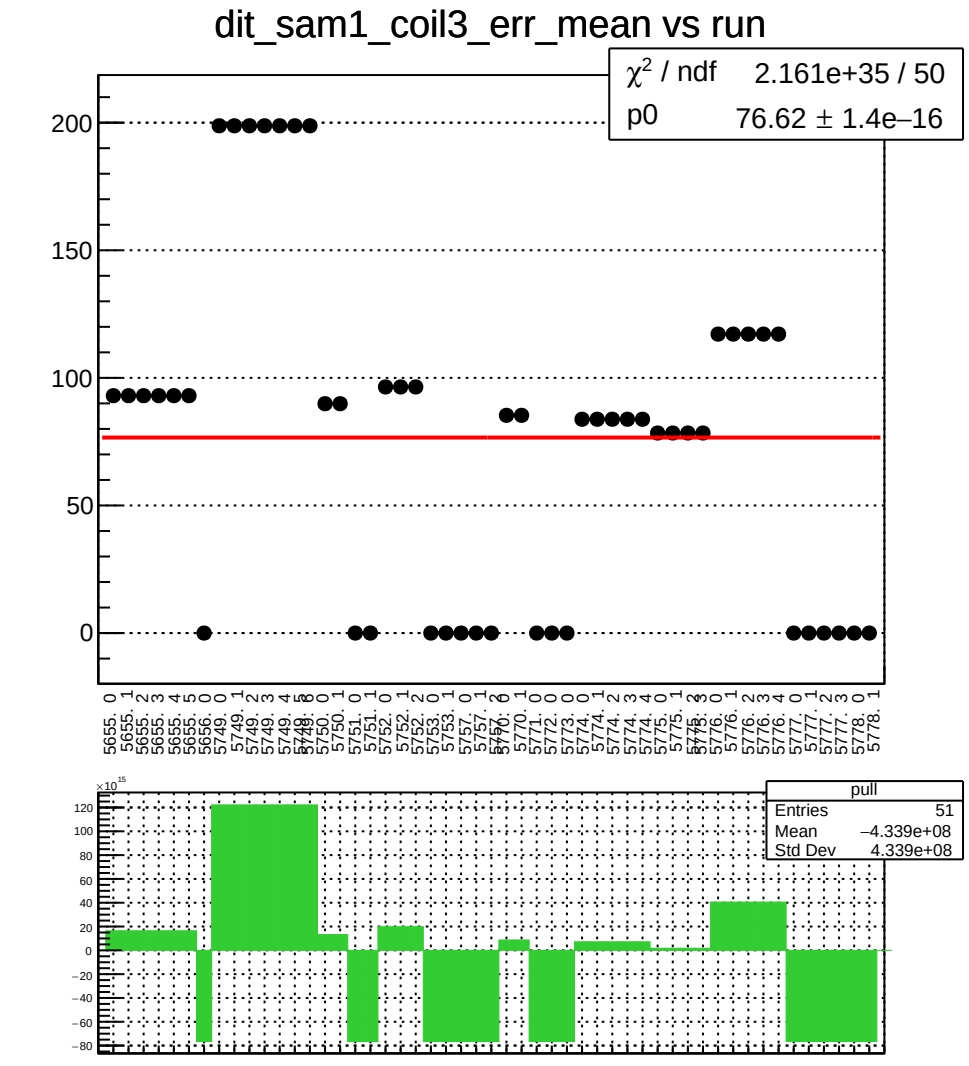

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

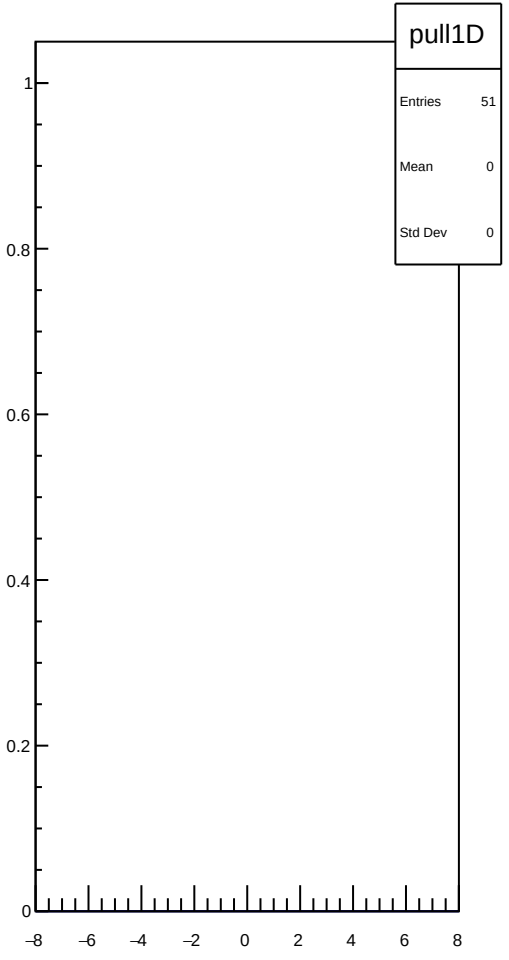

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

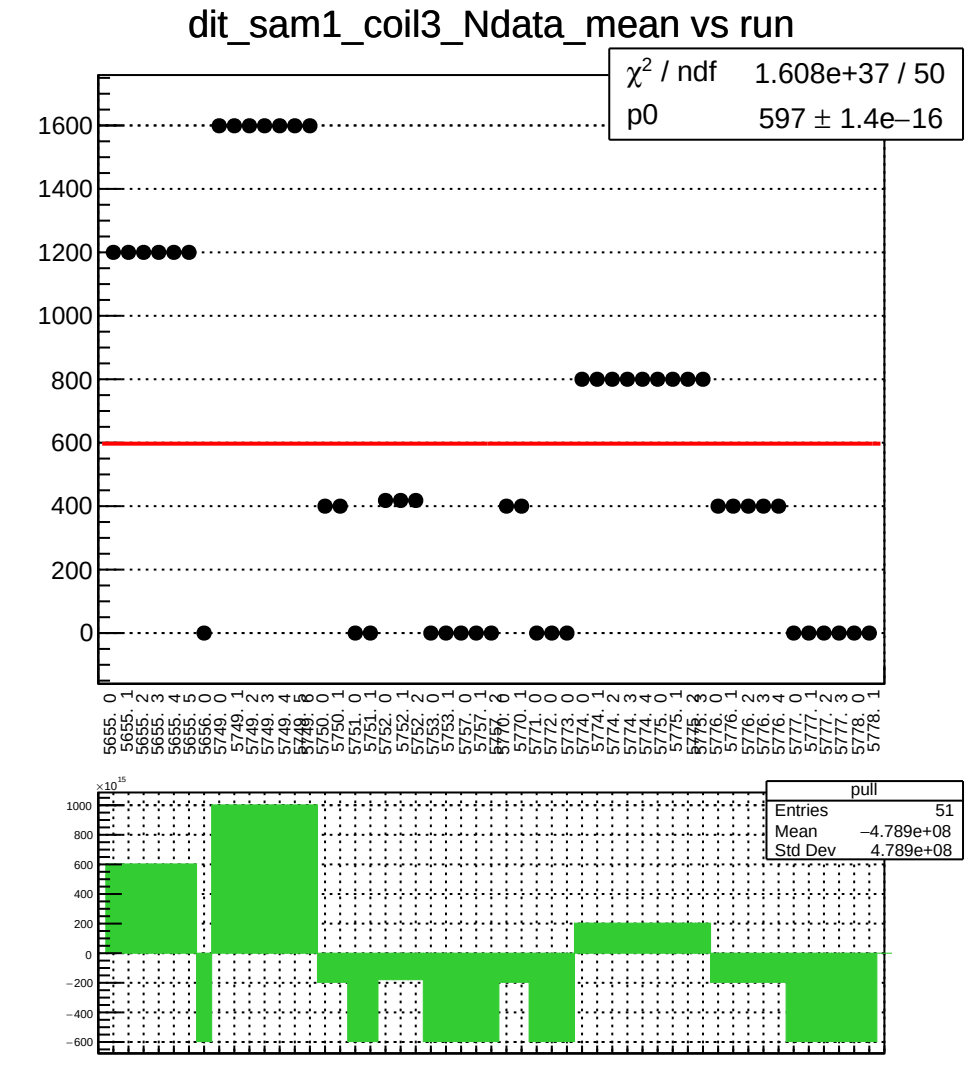

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

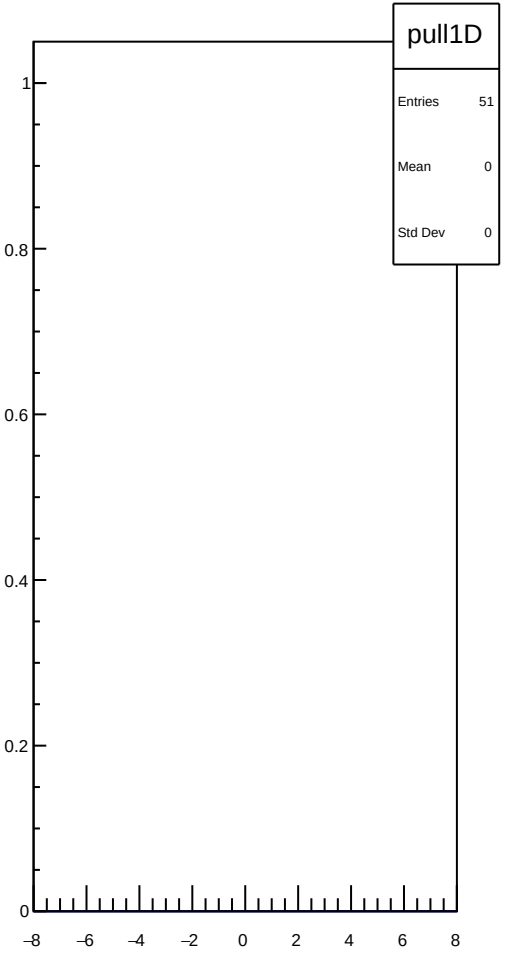

dit_sam1_coil3_mean vs run
χ² / ndf 8.124e+35 / 50
p0 −139.4 ± 1.4e−16
pull
Entries 51
Mean 3.445e+09
Std Dev 3.445e+09

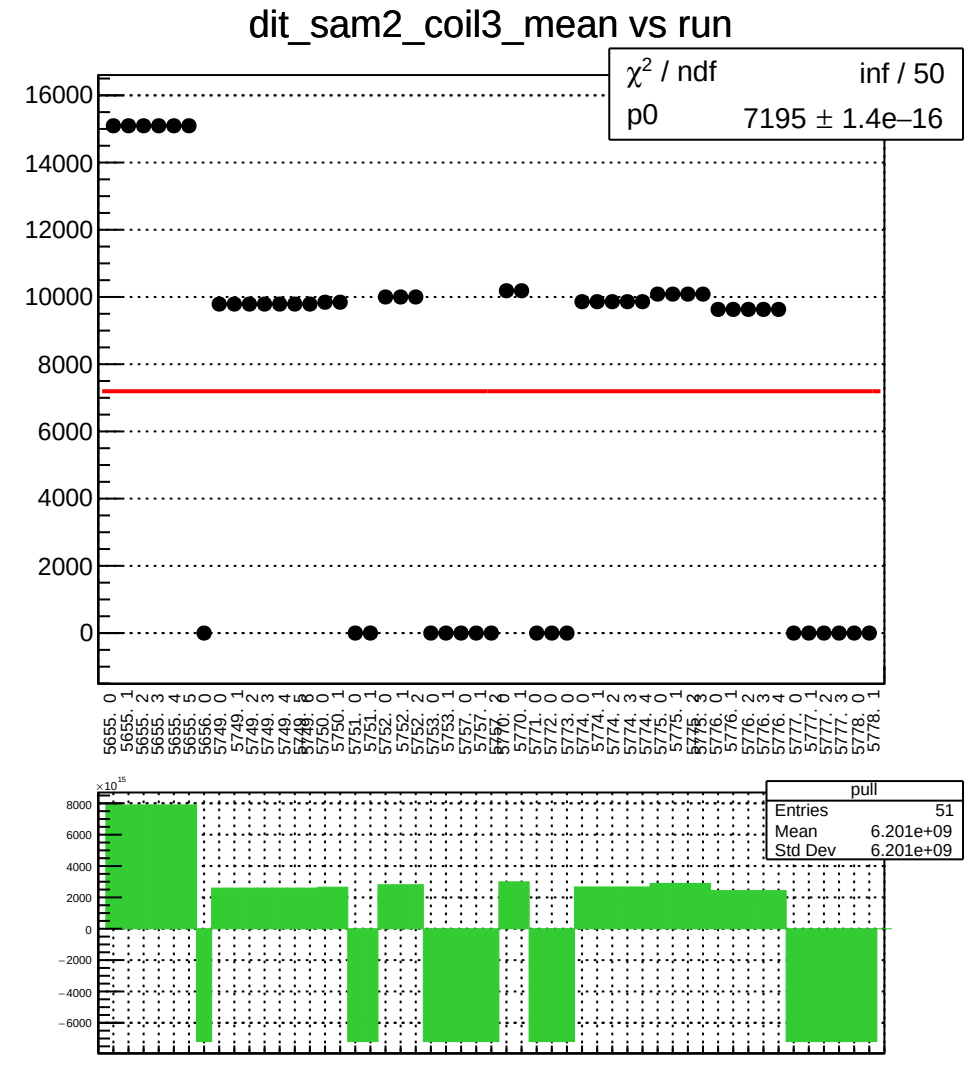

pull1D
Entries 51
Mean 0
Std Dev 0

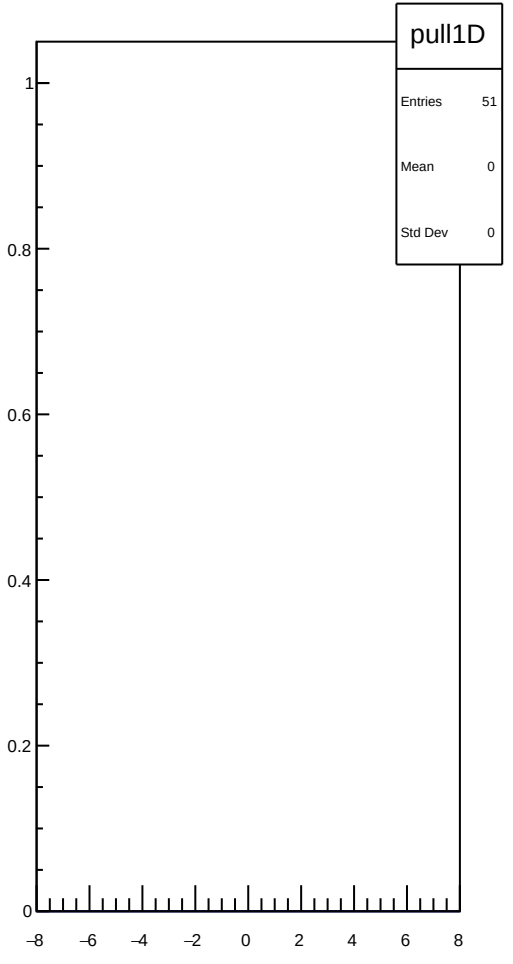

dit_sam1_coil3_err_mean vs run
χ² / ndf 2.161e+35 / 50
p0 76.62 ± 1.4e–16
200
150
100
50
0
pull
Entries 51
Mean –4.339e+08
Std Dev 4.339e+08
×10¹⁵
120
100
80
60
40
20
0
–20
–40
–60
–80

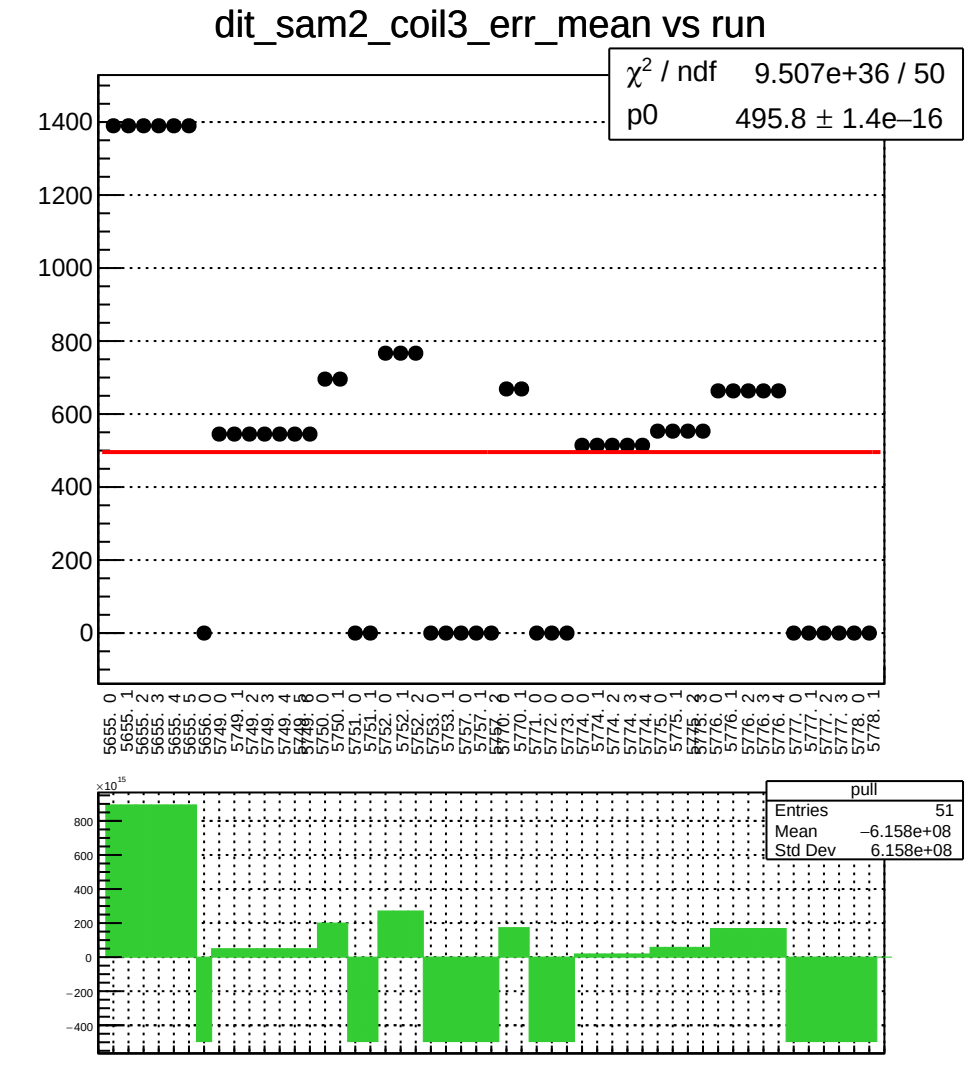

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

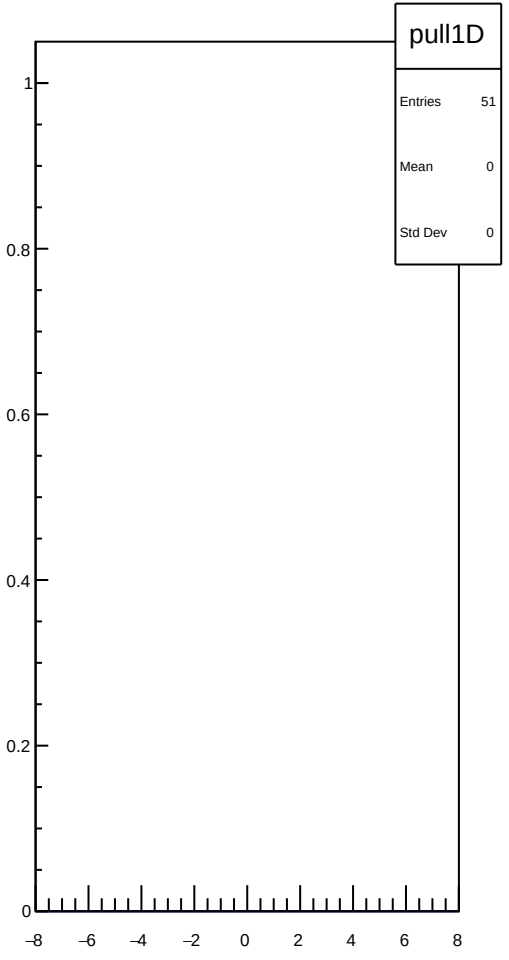

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600

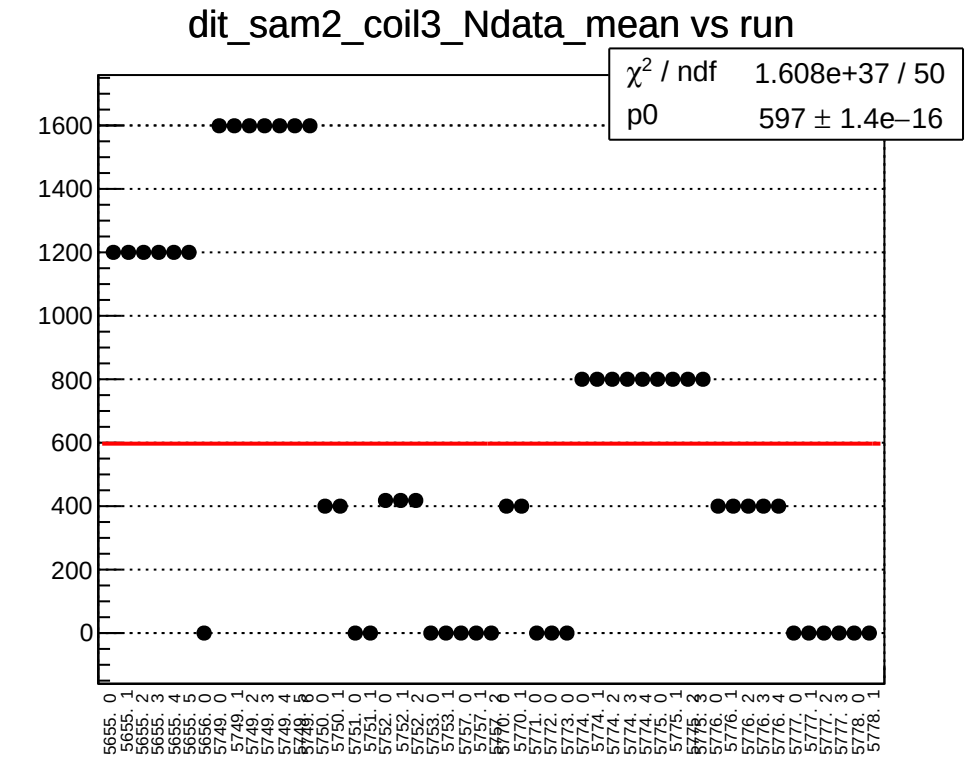

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

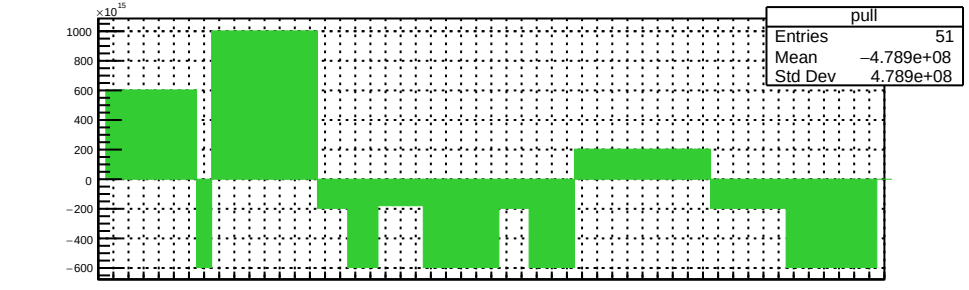

dit_sam2_coil3_mean vs run
χ² / ndf inf / 50
p0 7195 ± 1.4e–16
pull
Entries 51
Mean 6.201e+09
Std Dev 6.201e+09

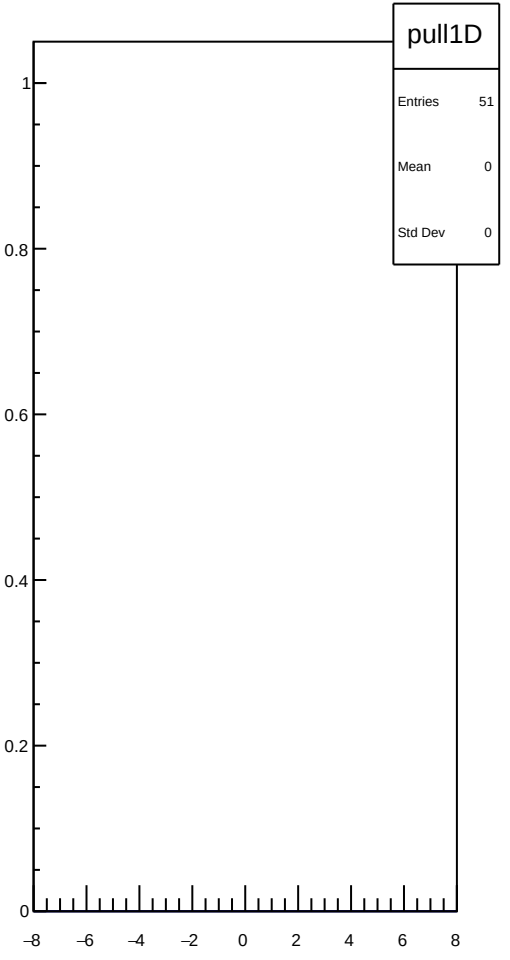

pull1D
Entries 51
Mean 0
Std Dev 0

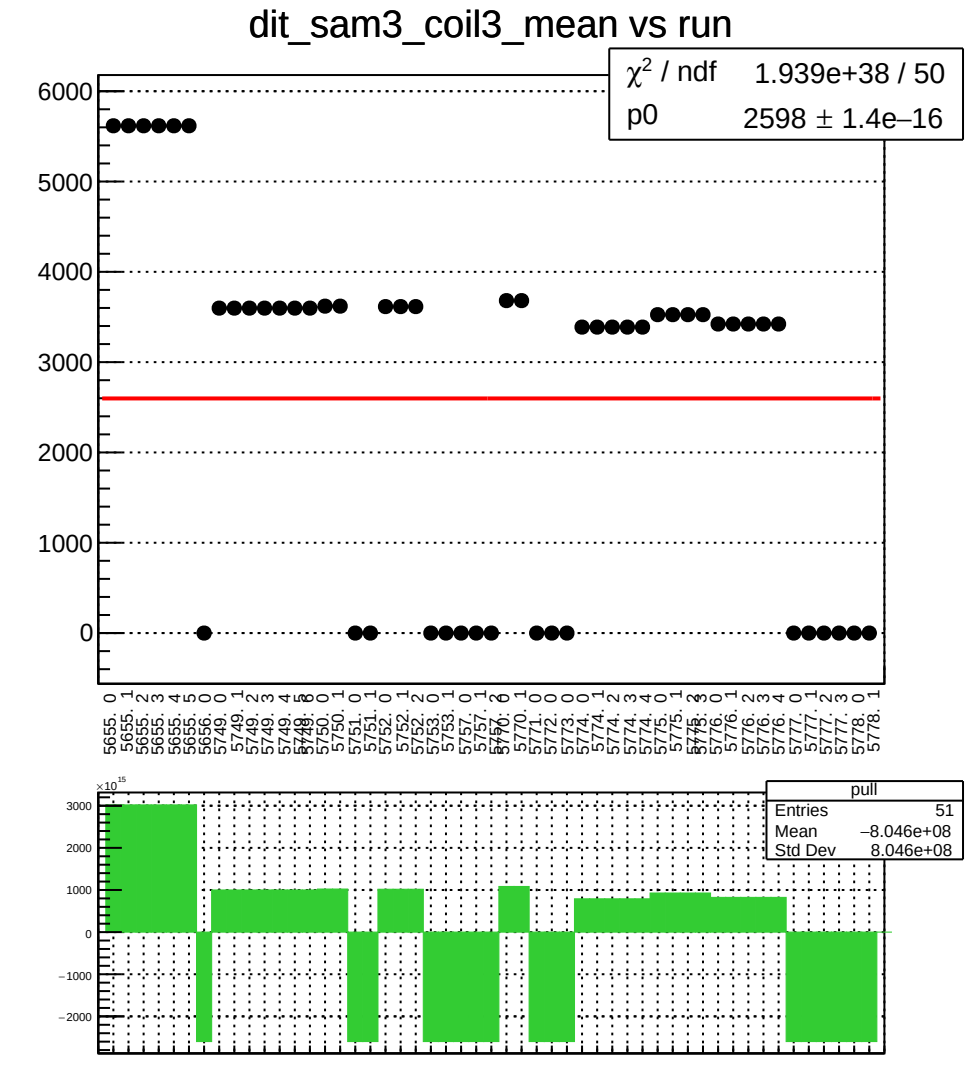

dit_sam2_coil3_err_mean vs run
χ² / ndf 9.507e+36 / 50
p0 495.8 ± 1.4e–16
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean –6.158e+08
Std Dev 6.158e+08
×10¹⁵
800
600
400
200
0
–200
–400

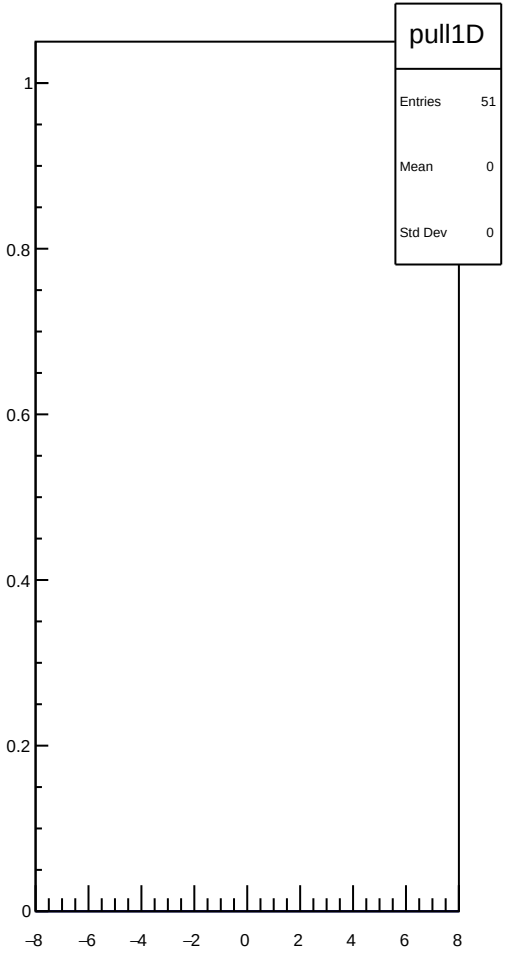

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

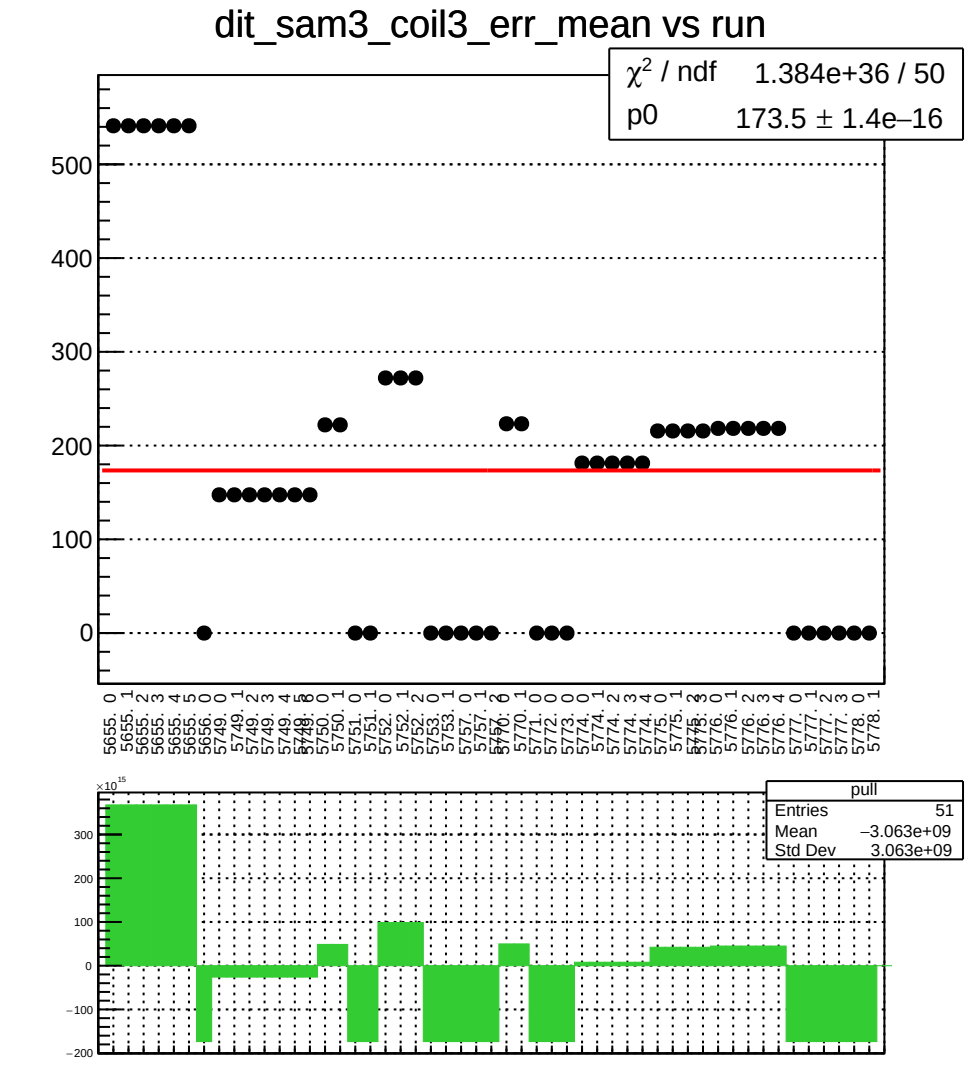

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

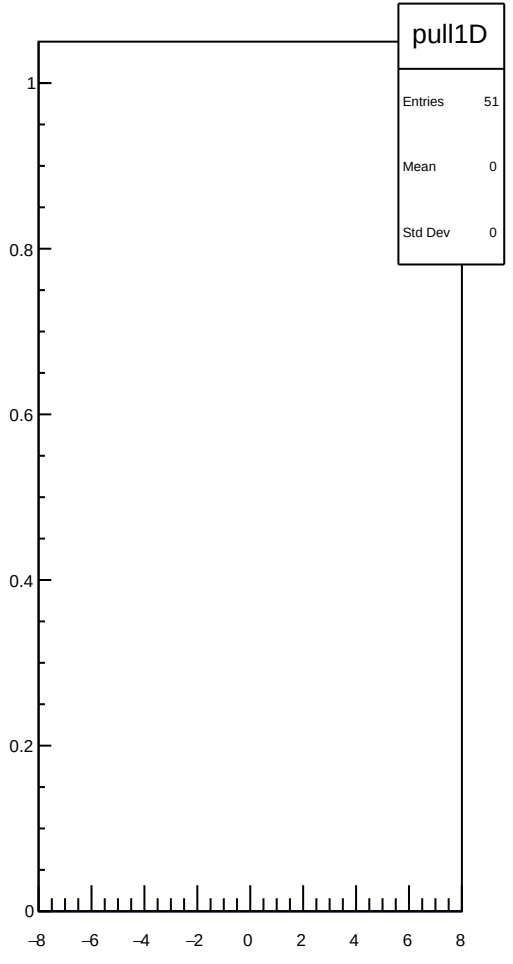

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

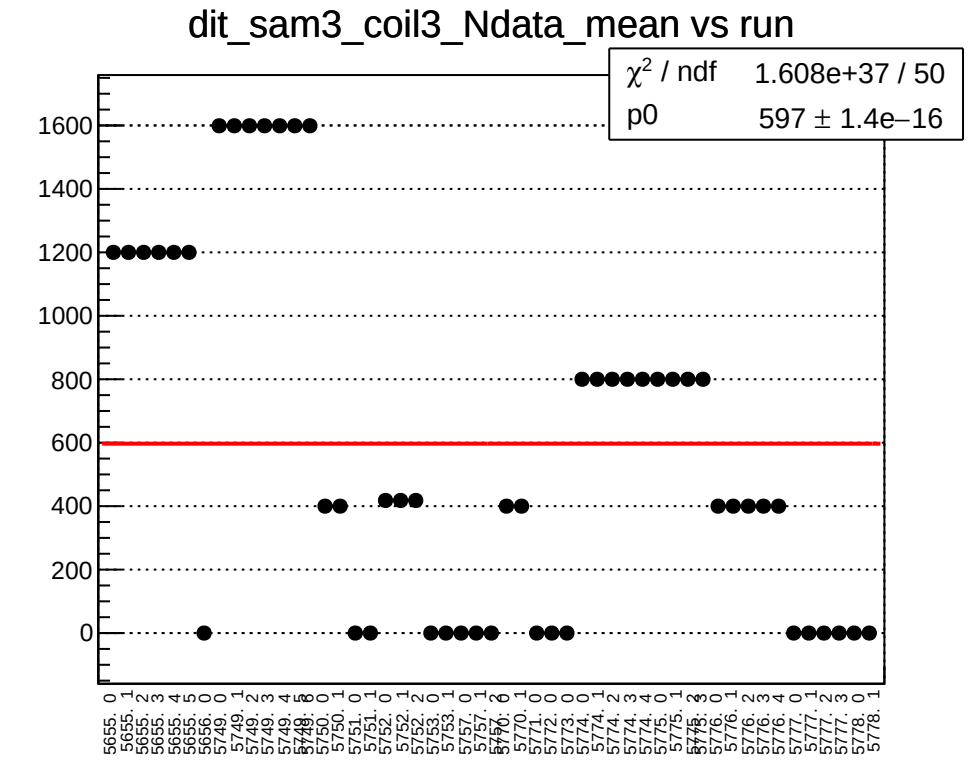

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

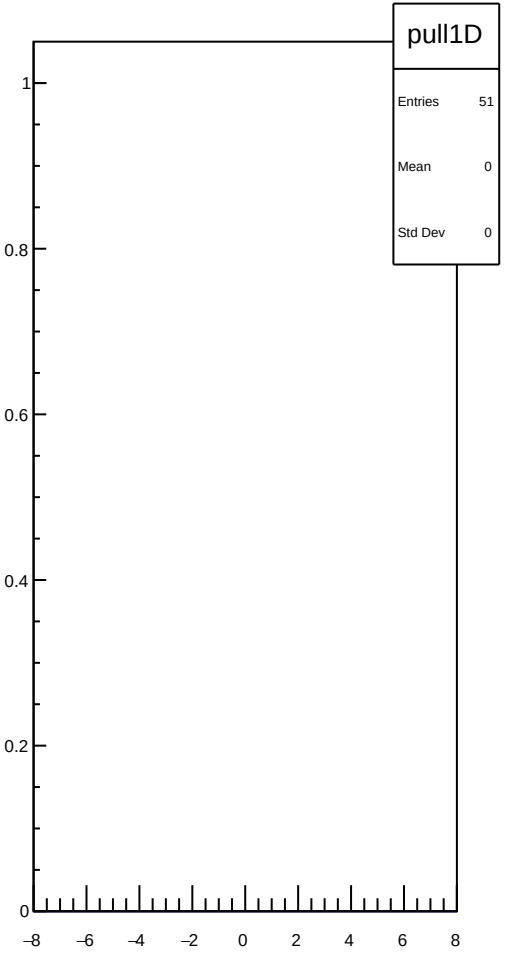

dit_sam3_coil3_mean vs run
χ² / ndf 1.939e+38 / 50
p0 2598 ± 1.4e–16
6000
5000
4000
3000
2000
1000
0
pull
Entries 51
Mean –8.046e+08
Std Dev 8.046e+08
×10¹⁵
3000
2000
1000
0
–1000
–2000

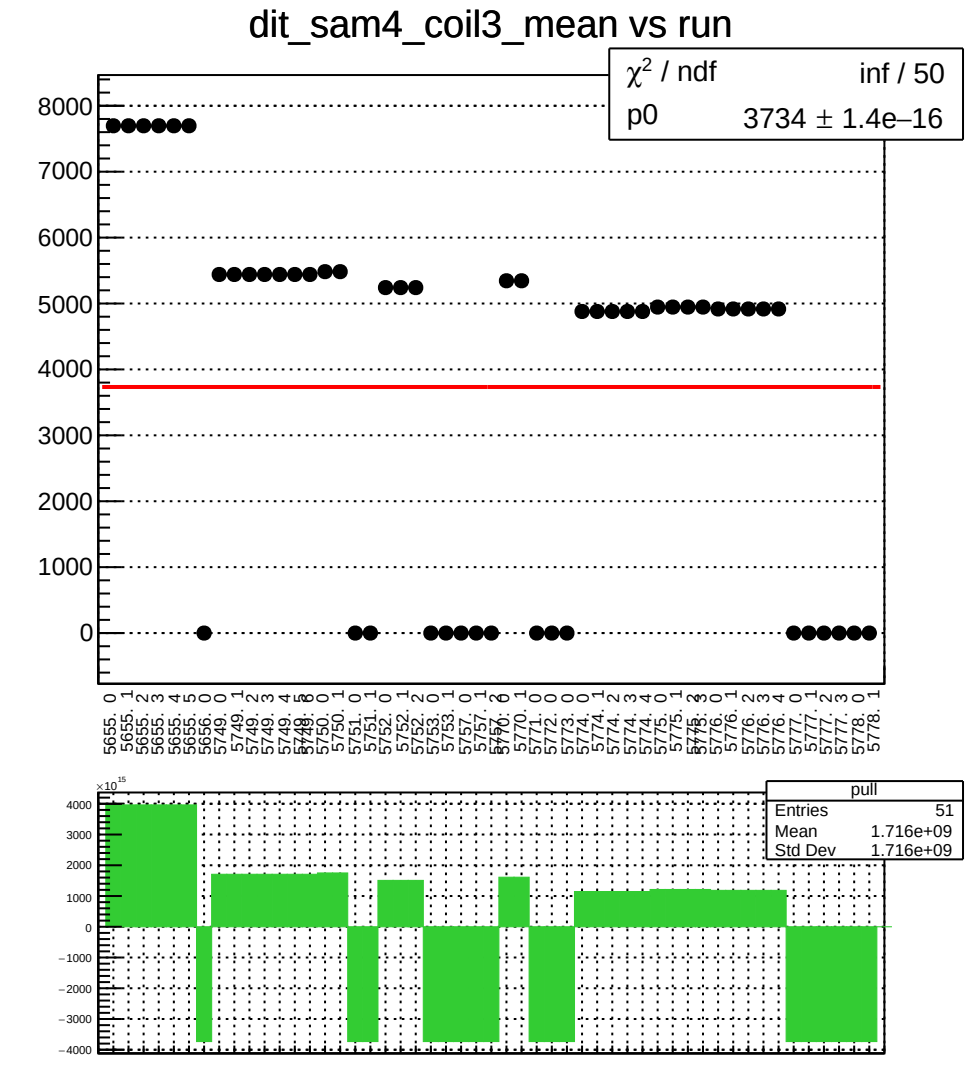

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

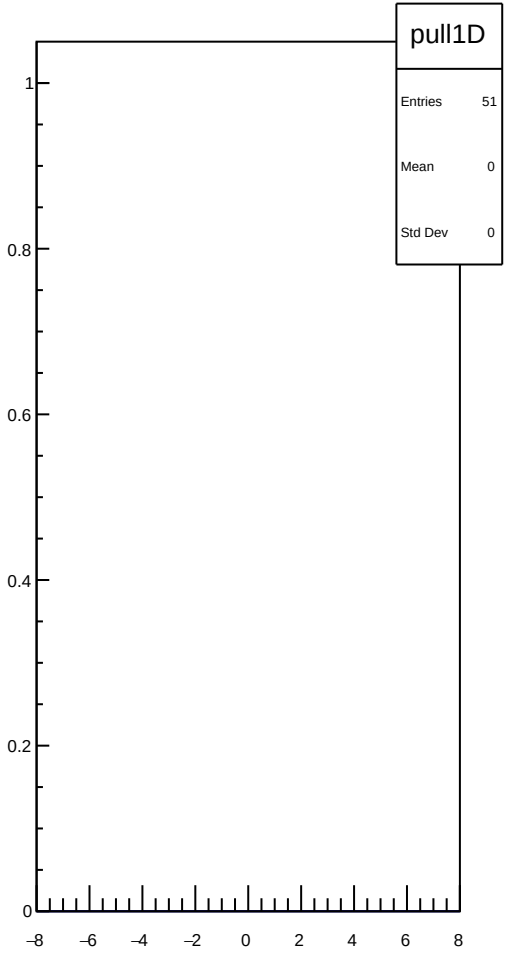

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.384e+36 / 50
p0 173.5 ± 1.4e–16
pull
Entries 51
Mean –3.063e+09
Std Dev 3.063e+09

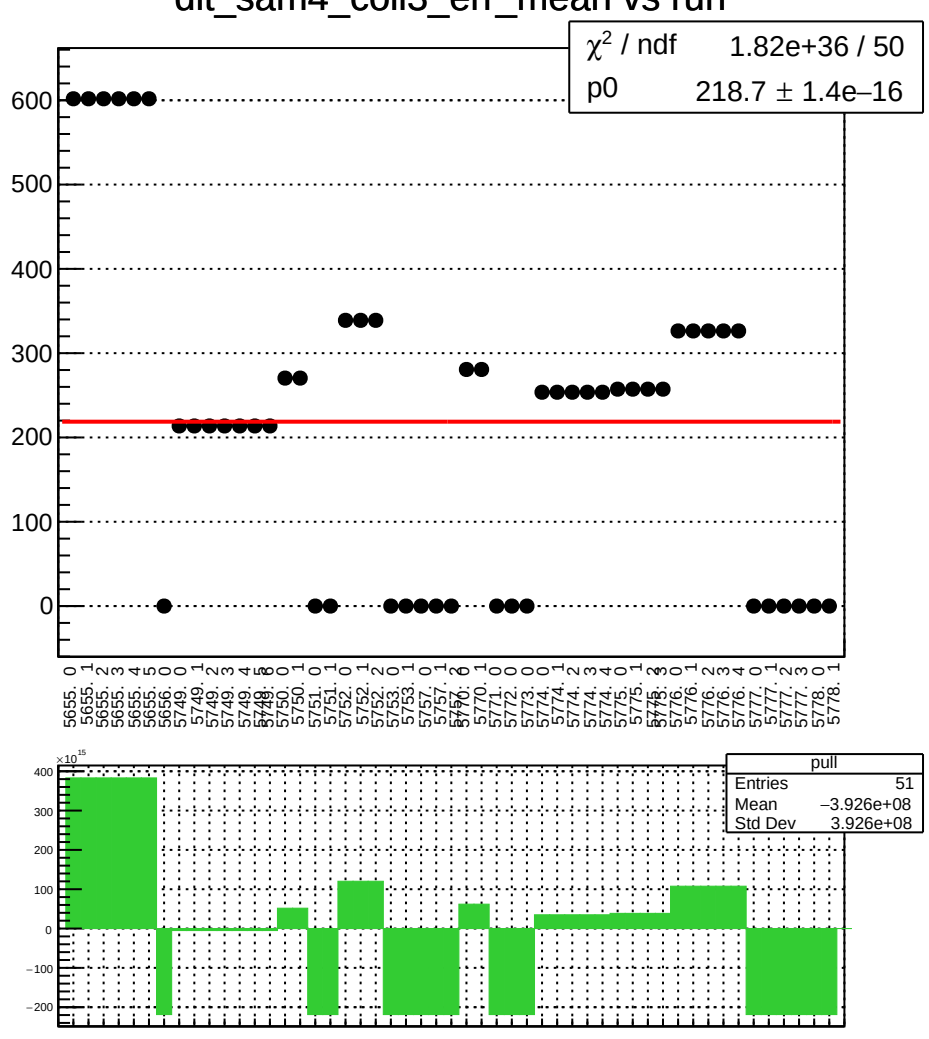

pull1D
Entries 51
Mean 0
Std Dev 0

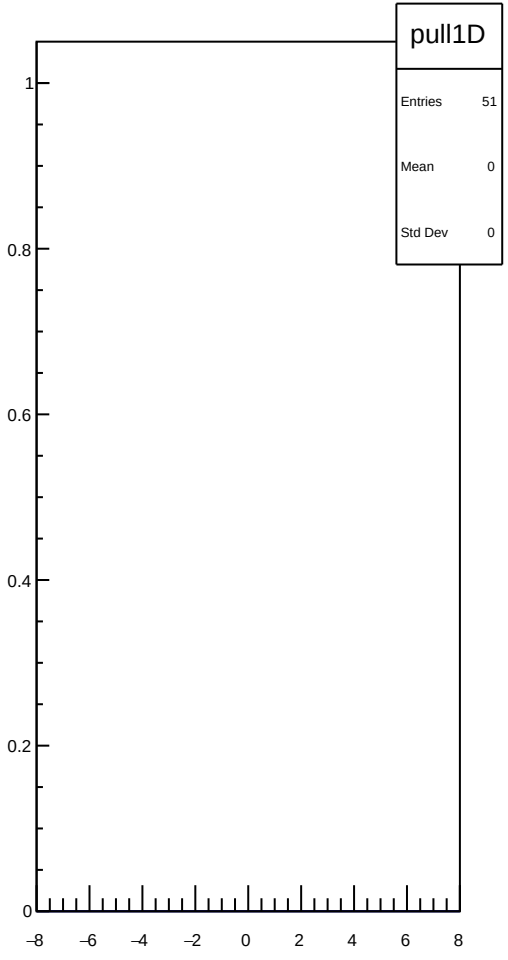

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

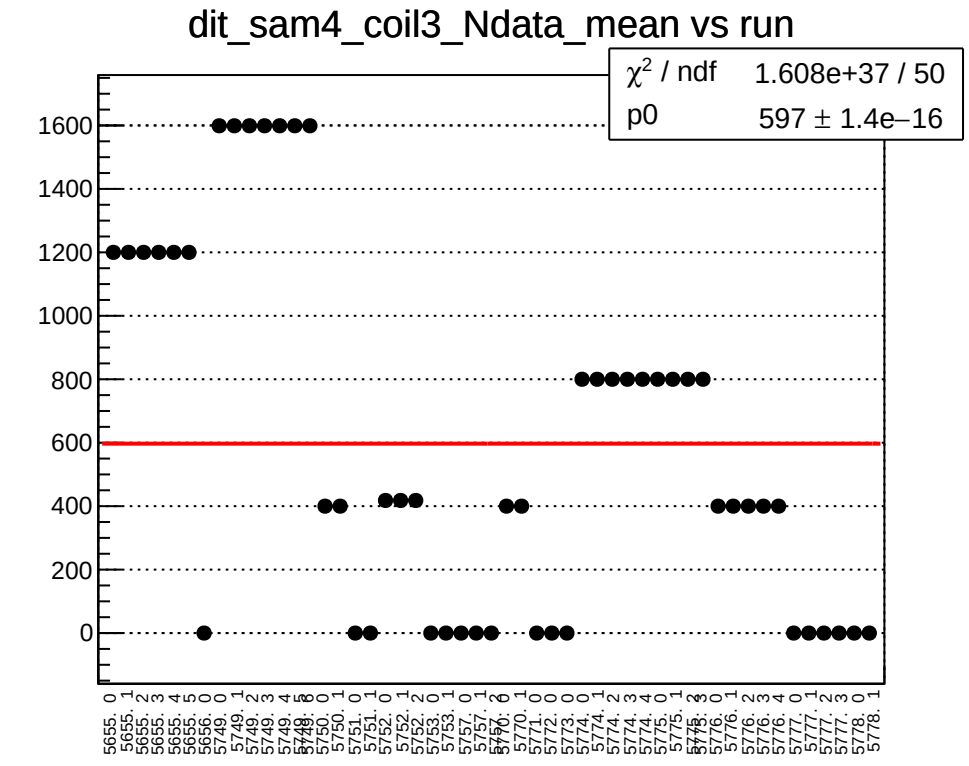

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

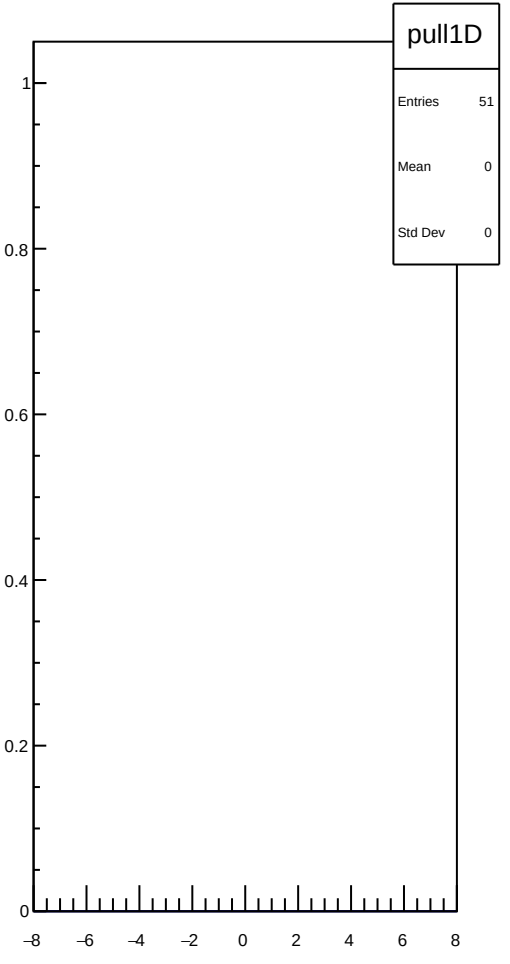

dit_sam4_coil3_mean vs run
χ² / ndf inf / 50
p0 3734 ± 1.4e–16
pull
Entries 51
Mean 1.716e+09
Std Dev 1.716e+09

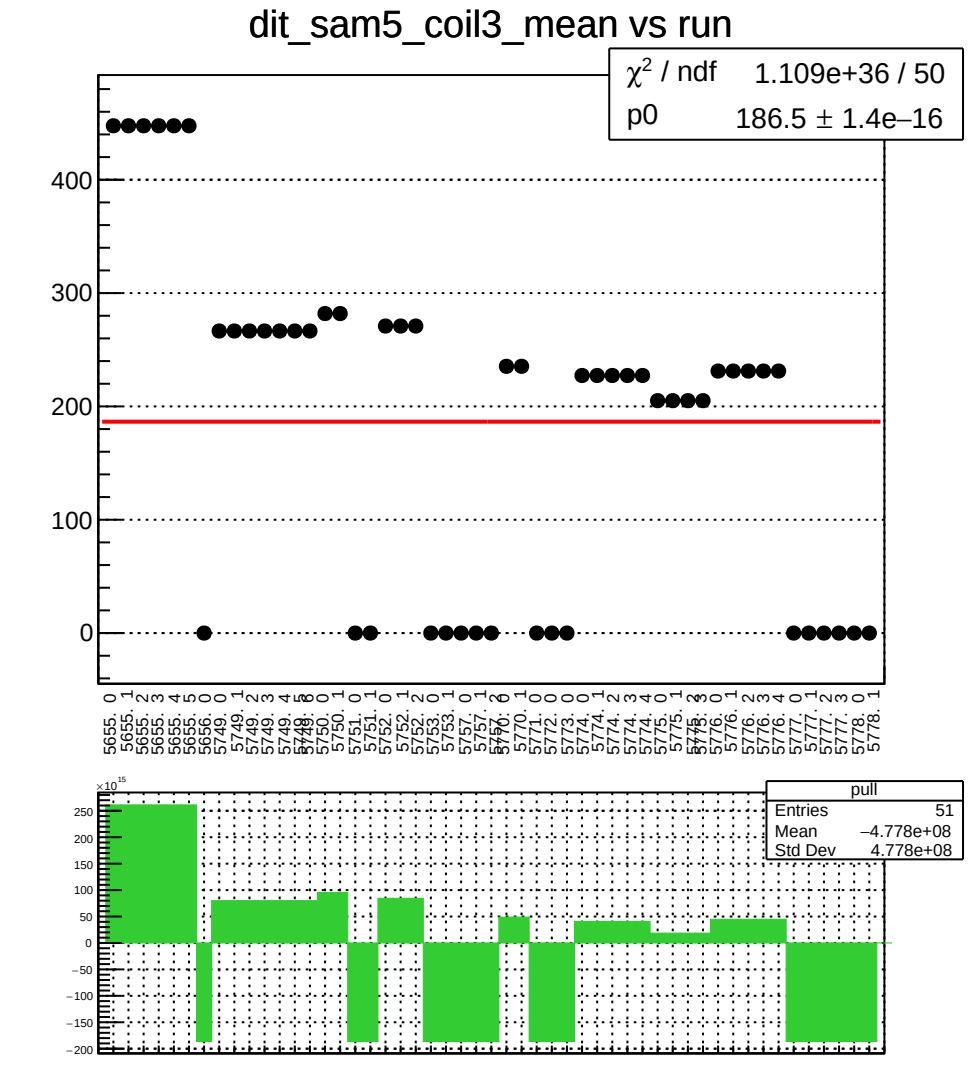

pull1D
Entries 51
Mean 0
Std Dev 0

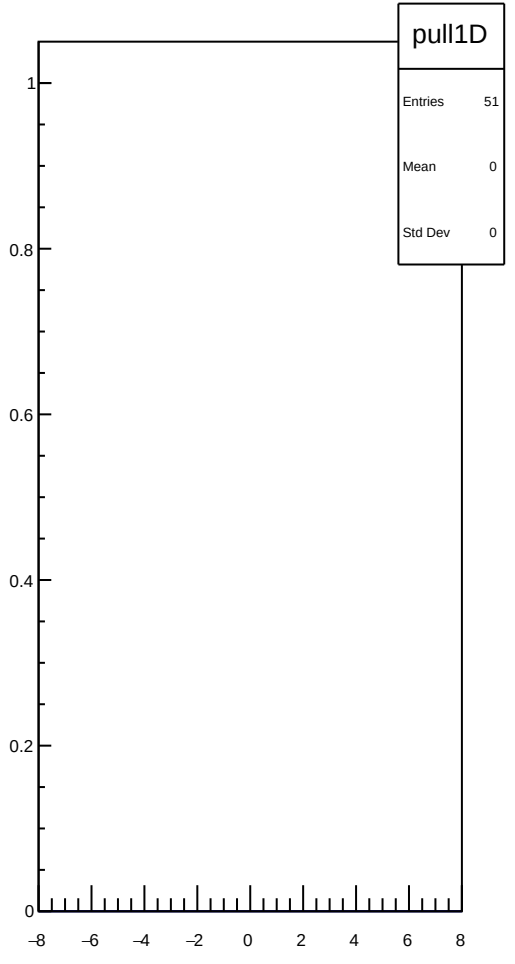

dit_sam4_coil3_err_mean vs run
χ² / ndf 1.82e+36 / 50
p0 218.7 ± 1.4e–16
pull
Entries 51
Mean –3.926e+08
Std Dev 3.926e+08

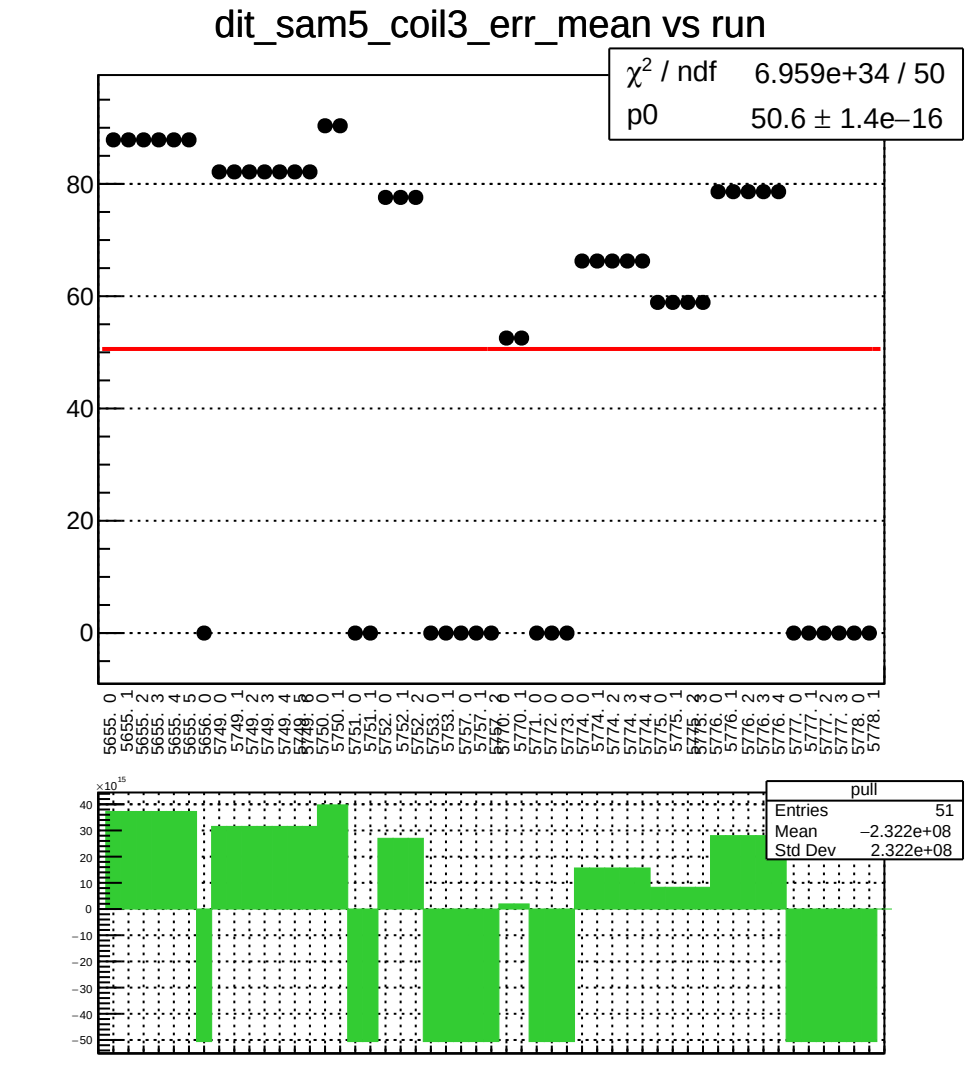

pull1D
Entries 51
Mean 0
Std Dev 0

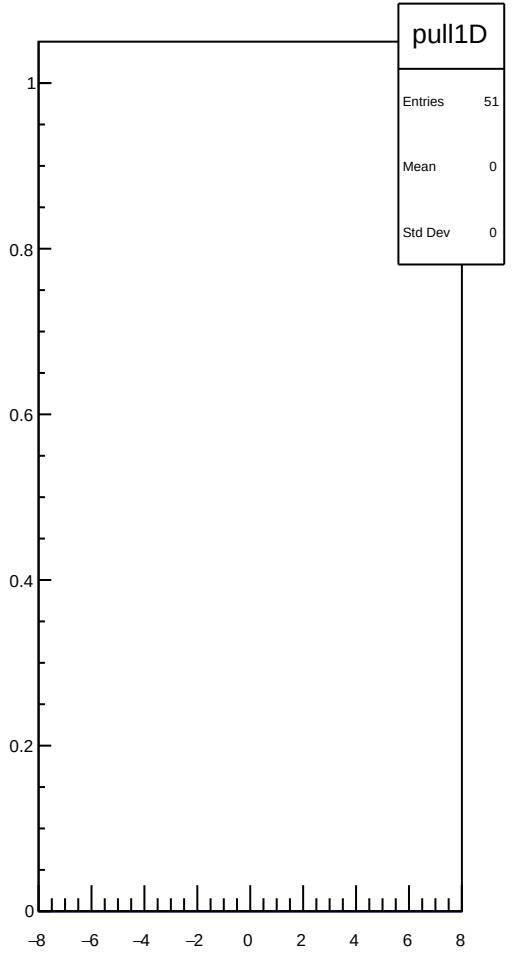

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

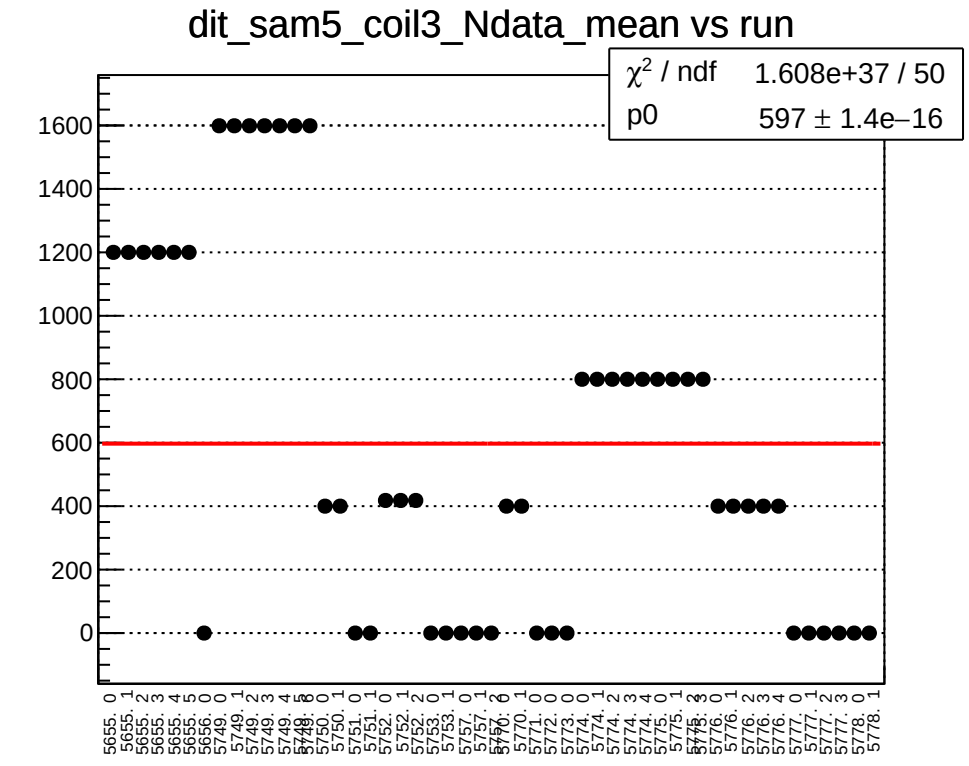

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

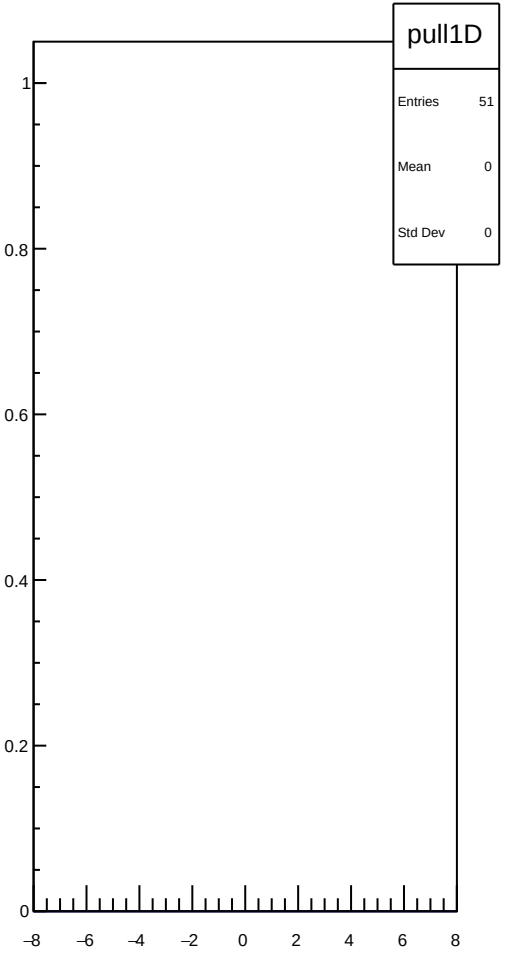

dit_sam5_coil3_mean vs run
χ² / ndf 1.109e+36 / 50
p0 186.5 ± 1.4e–16
400
300
200
100
0
pull
Entries 51
Mean –4.778e+08
Std Dev 4.778e+08
×10¹⁵
250
200
150
100
50
0
–50
–100
–150
–200

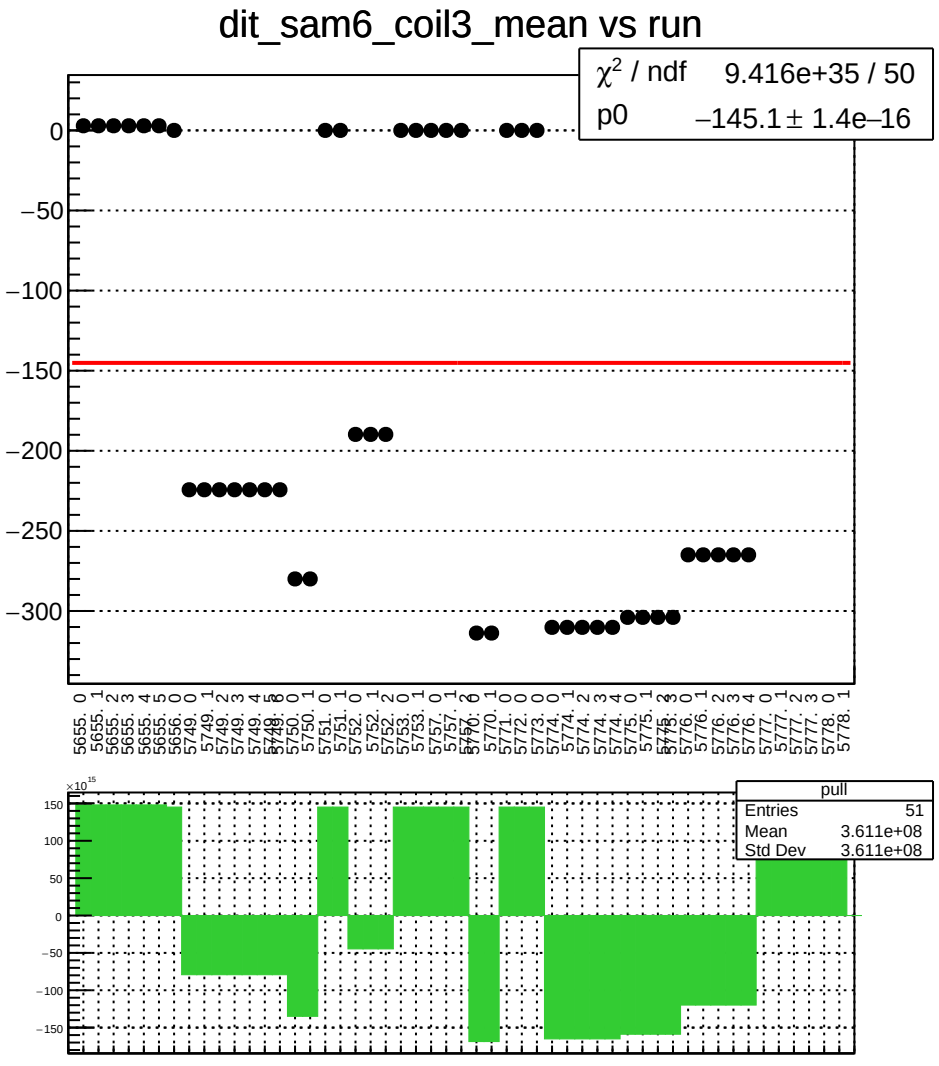

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

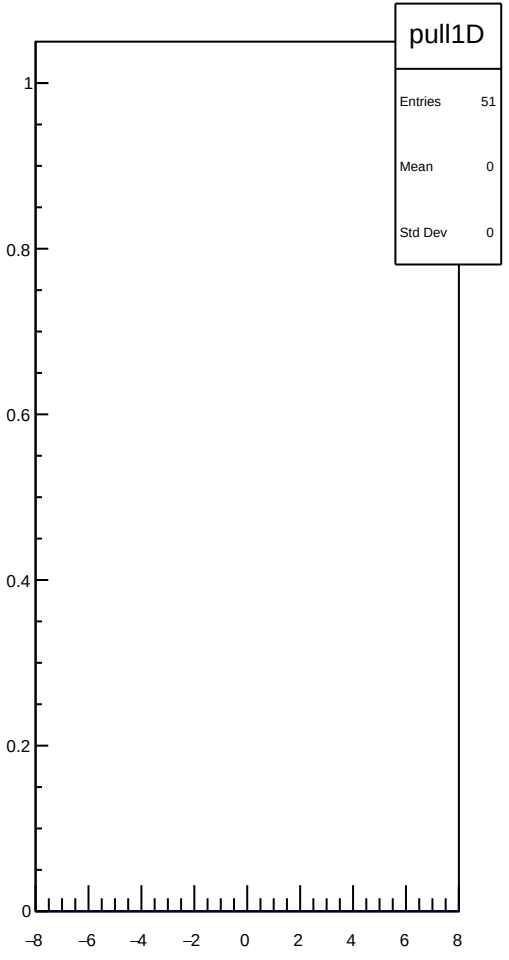

dit_sam5_coil3_err_mean vs run
χ² / ndf 6.959e+34 / 50
p0 50.6 ± 1.4e−16
pull
Entries 51
Mean −2.322e+08
Std Dev 2.322e+08

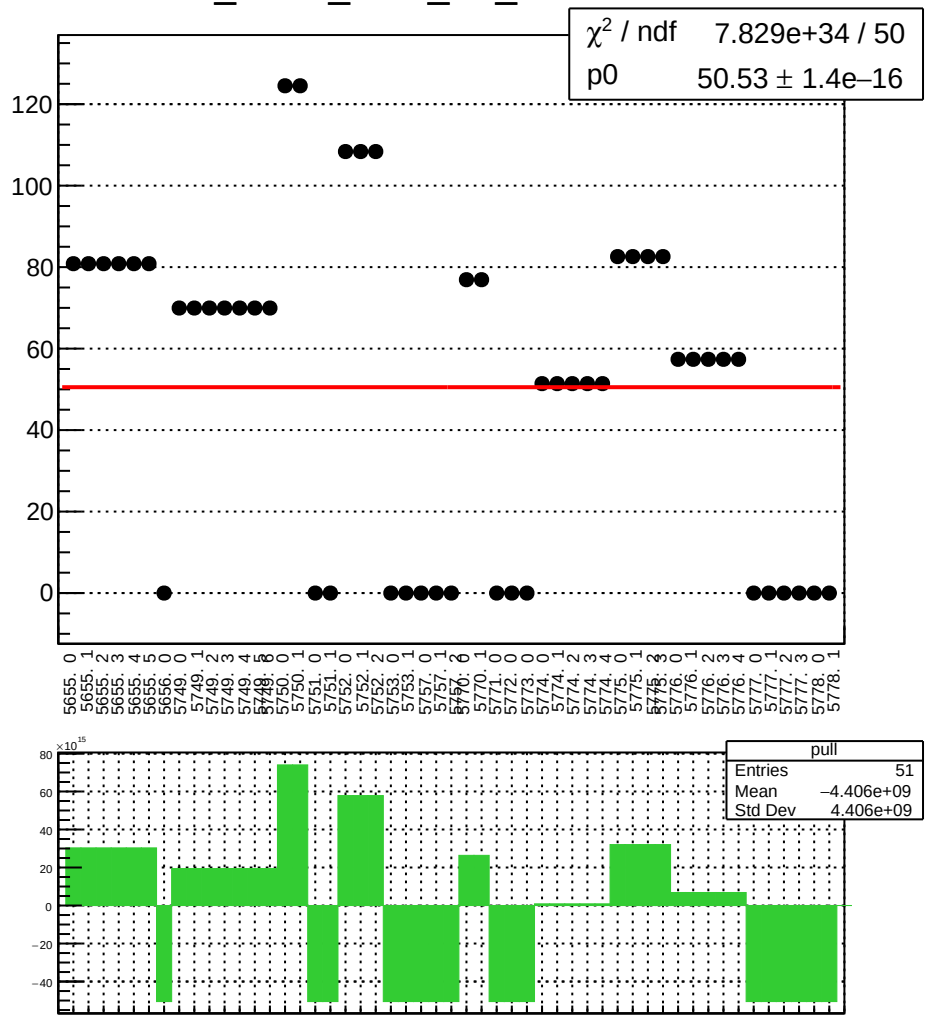

pull1D
Entries 51
Mean 0
Std Dev 0

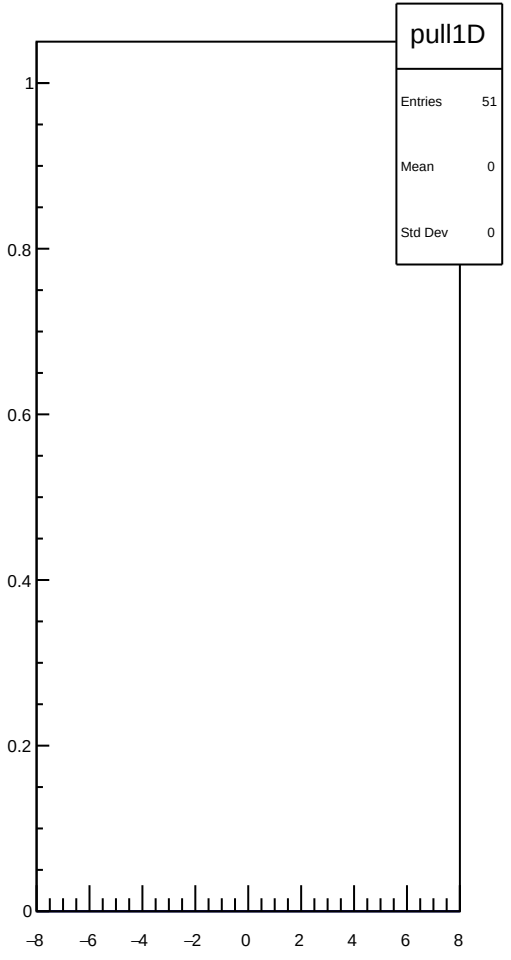

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

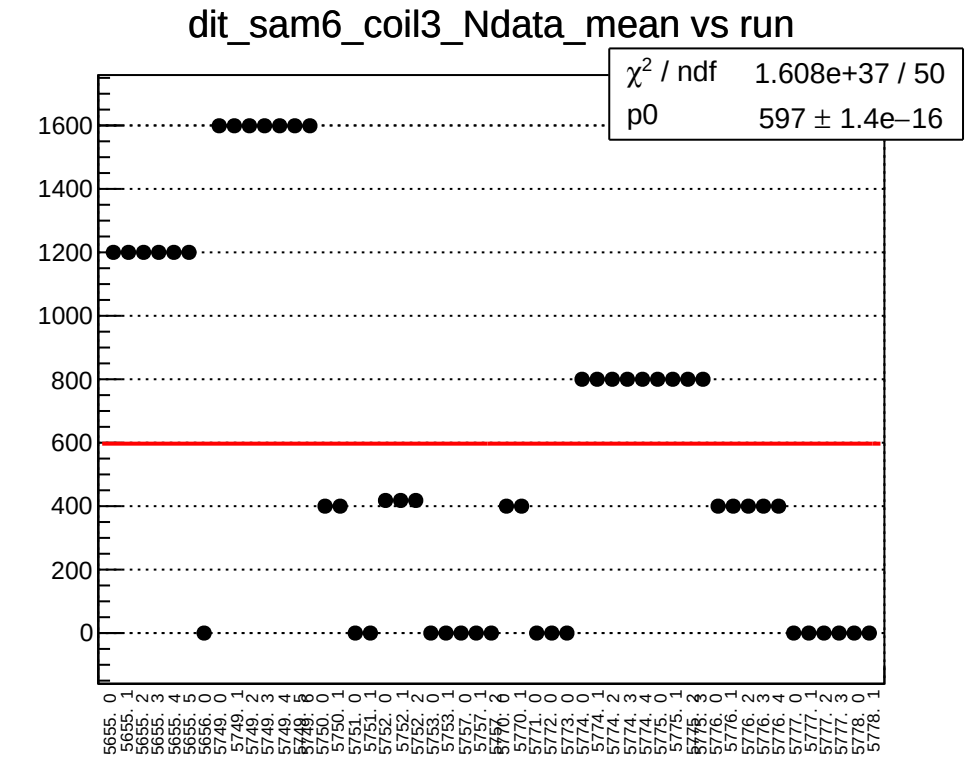

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

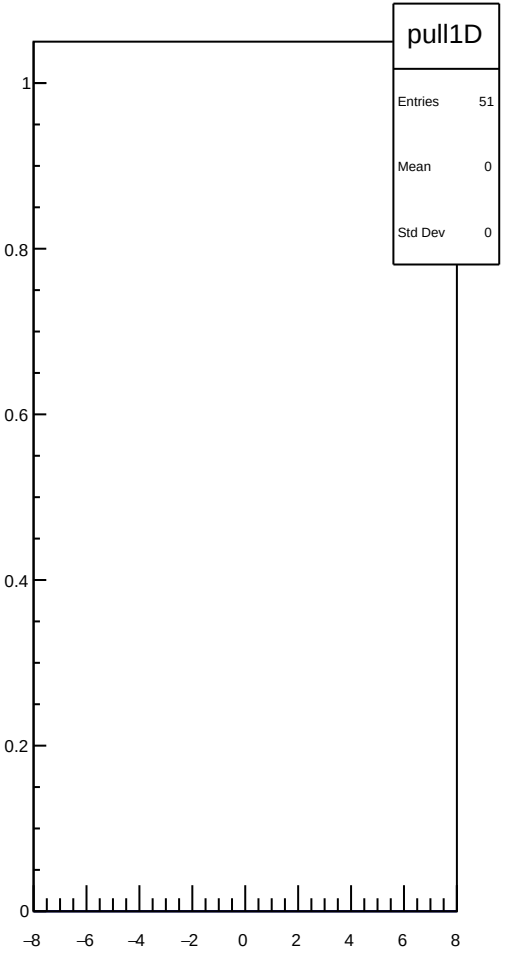

dit_sam6_coil3_mean vs run
χ² / ndf 9.416e+35 / 50
p0 −145.1 ± 1.4e−16
0
−50
−100
−150
−200
−250
−300
pull
Entries 51
Mean 3.611e+08
Std Dev 3.611e+08

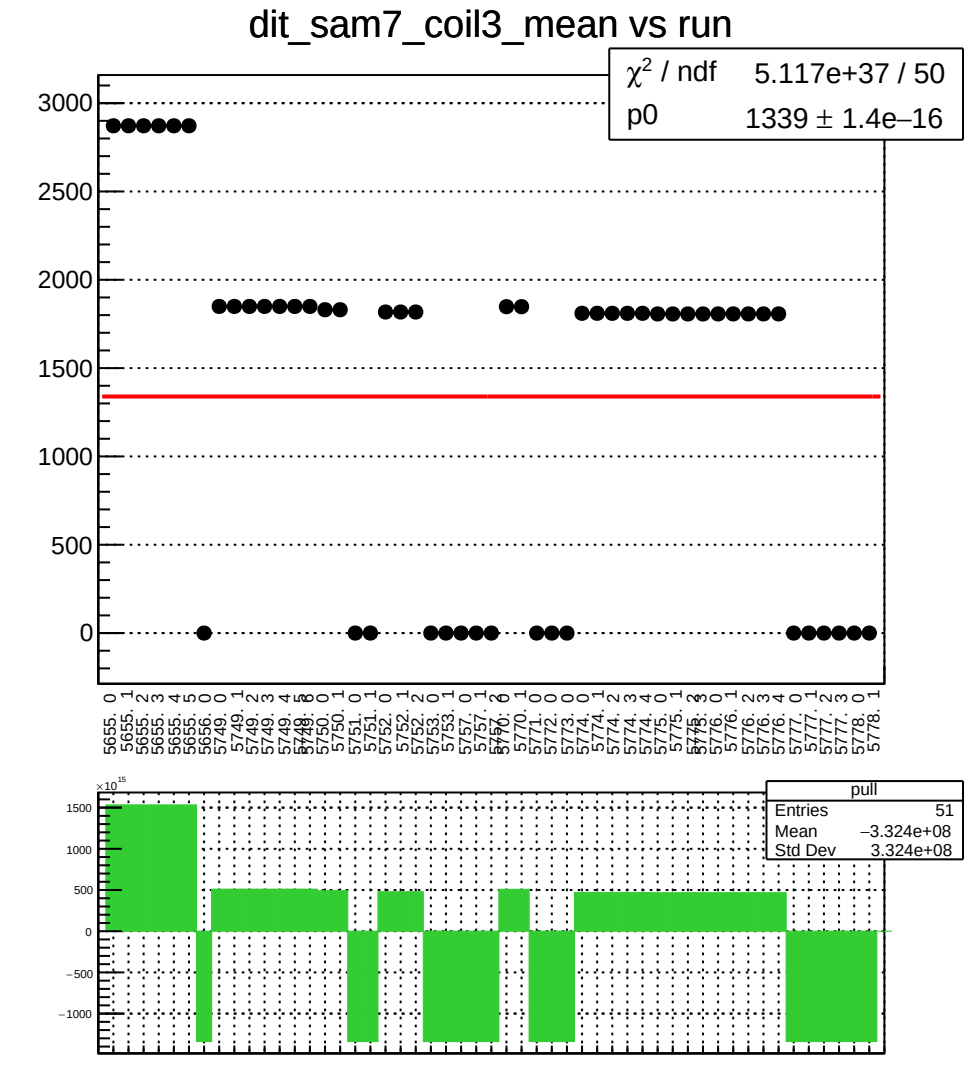

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

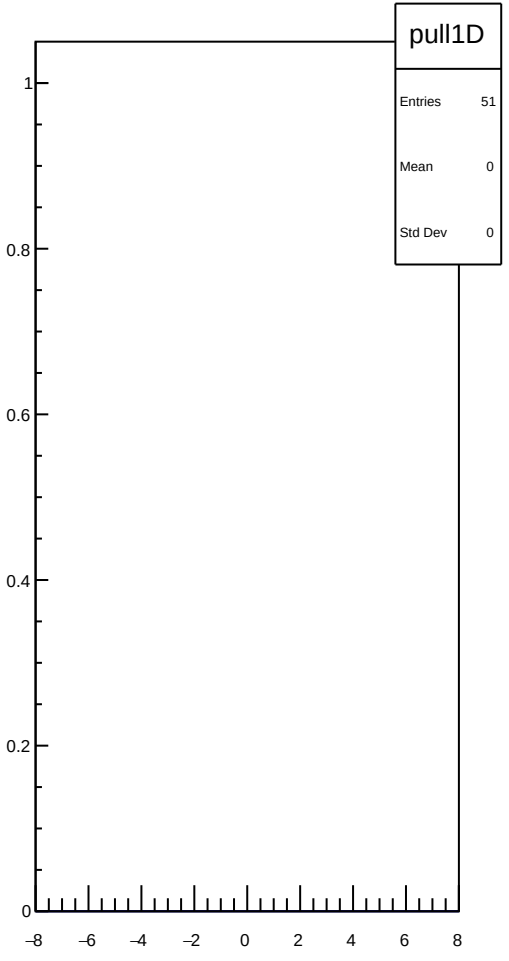

dit_sam6_coil3_err_mean vs run
χ² / ndf 7.829e+34 / 50
p0 50.53 ± 1.4e–16
pull
Entries 51
Mean –4.406e+09
Std Dev 4.406e+09

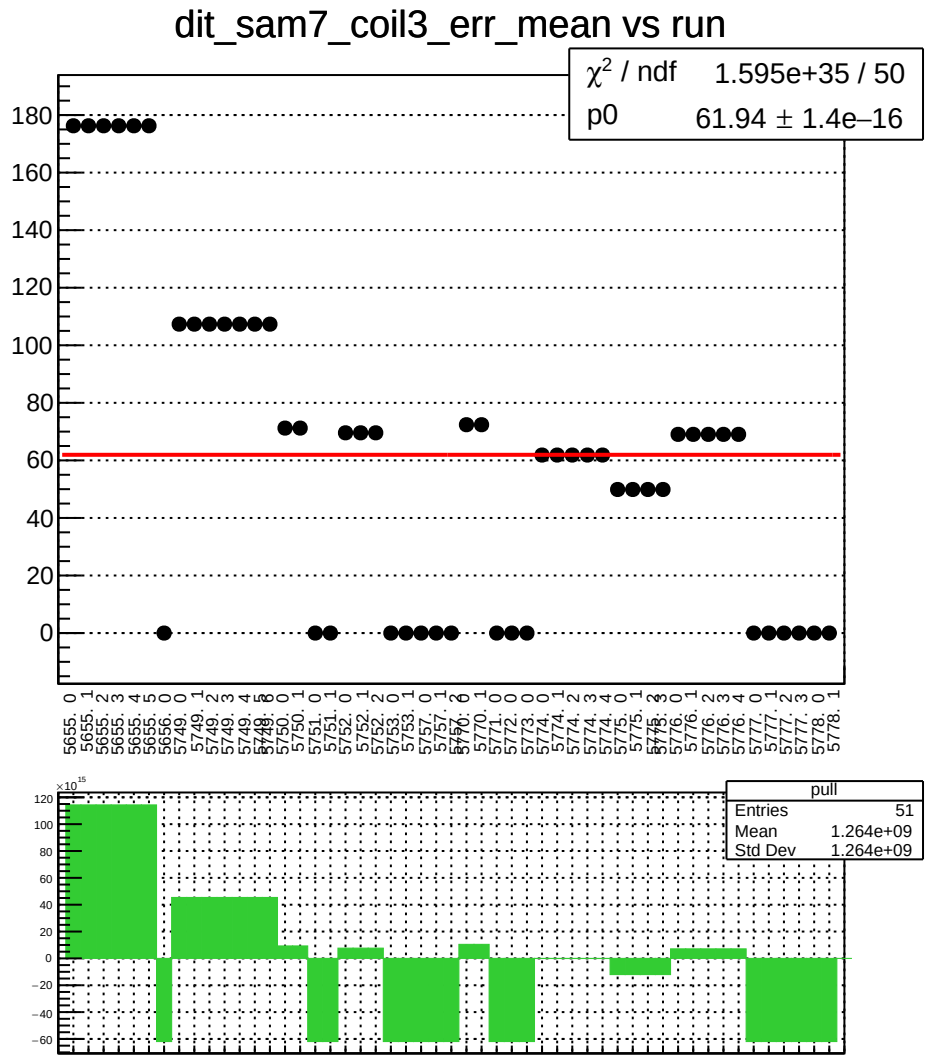

pull1D
Entries 51
Mean 0
Std Dev 0

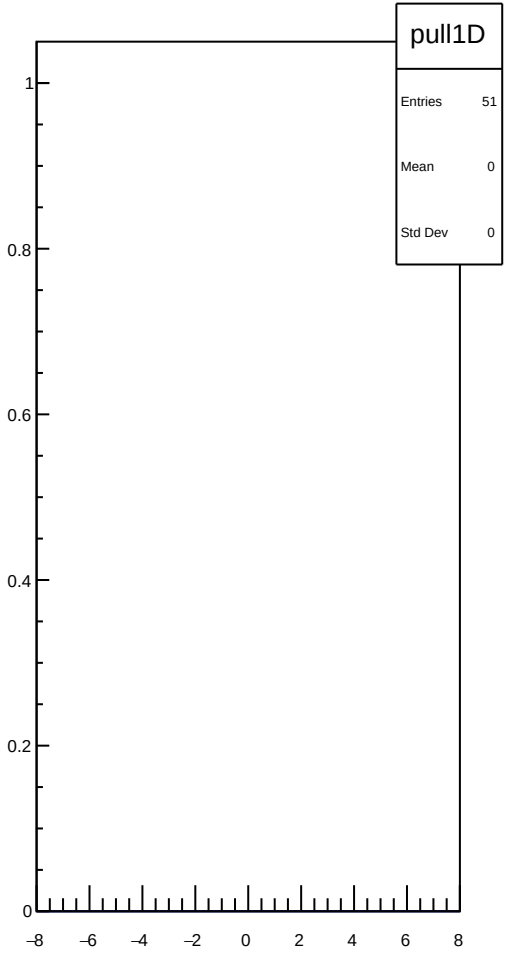

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

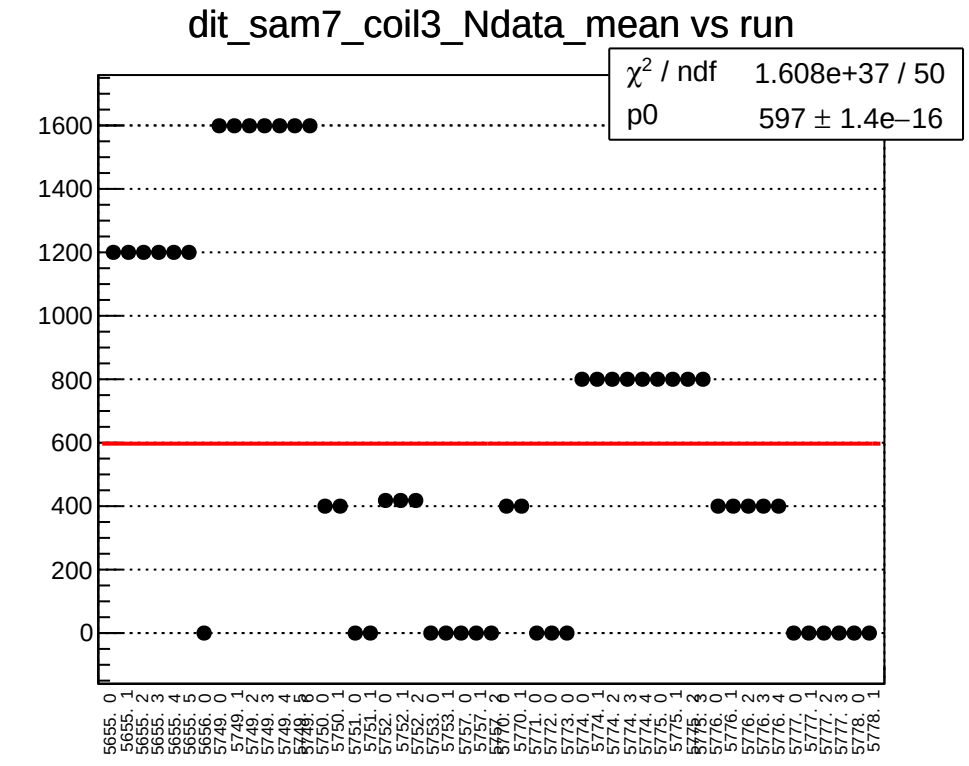

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

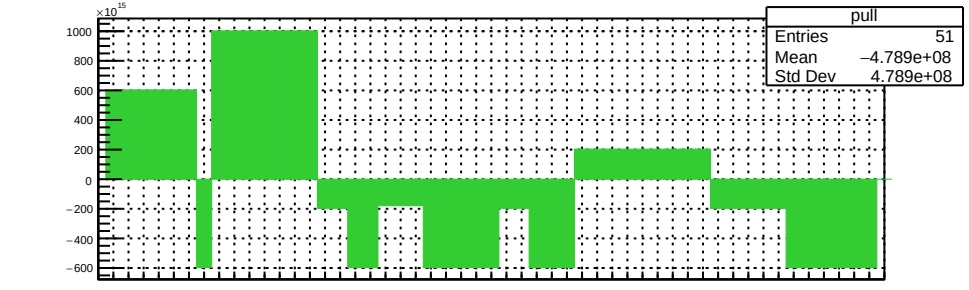

dit_sam7_coil3_mean vs run
χ² / ndf 5.117e+37 / 50
p0 1339 ± 1.4e–16
3000
2500
2000
1500
1000
500
0
pull
Entries 51
Mean –3.324e+08
Std Dev 3.324e+08
×10¹⁵
1500
1000
500
0
−500
−1000

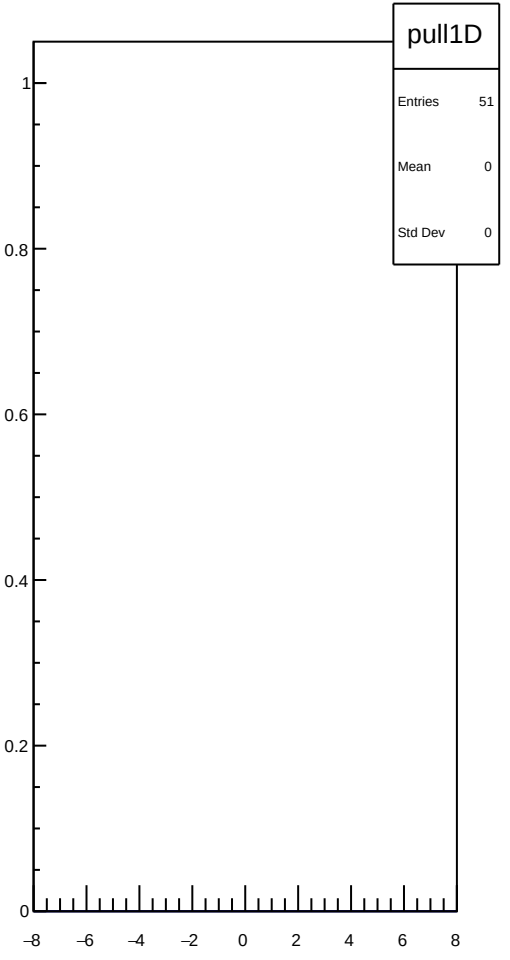

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

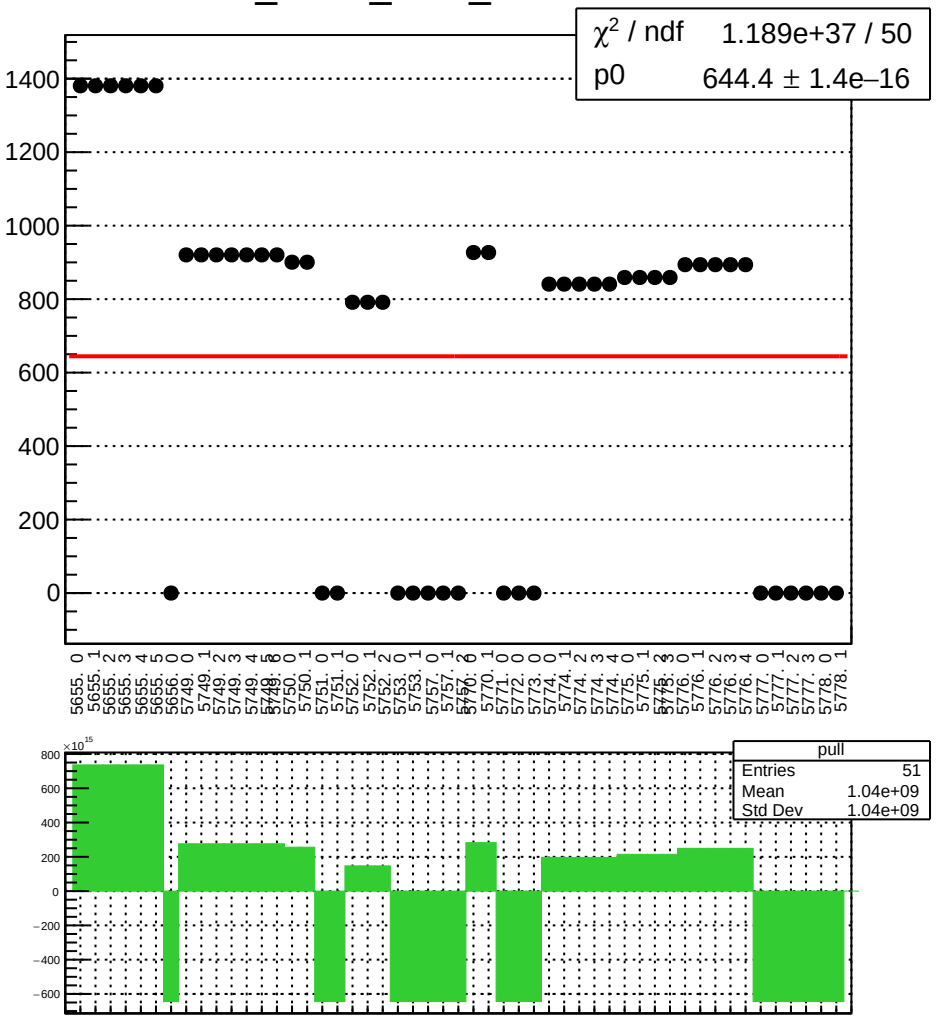

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.595e+35 / 50
p0 61.94 ± 1.4e–16
pull
Entries 51
Mean 1.264e+09
Std Dev 1.264e+09

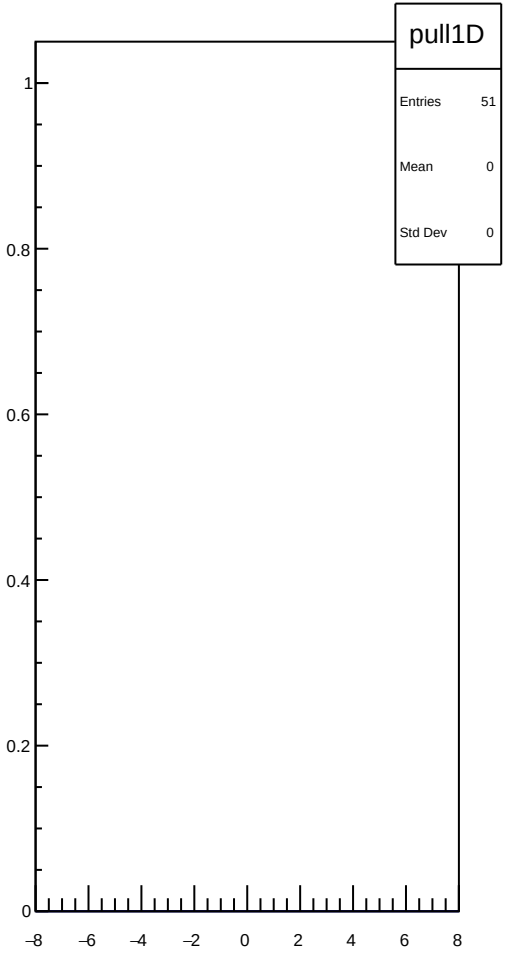

pull1D
Entries 51
Mean 0
Std Dev 0

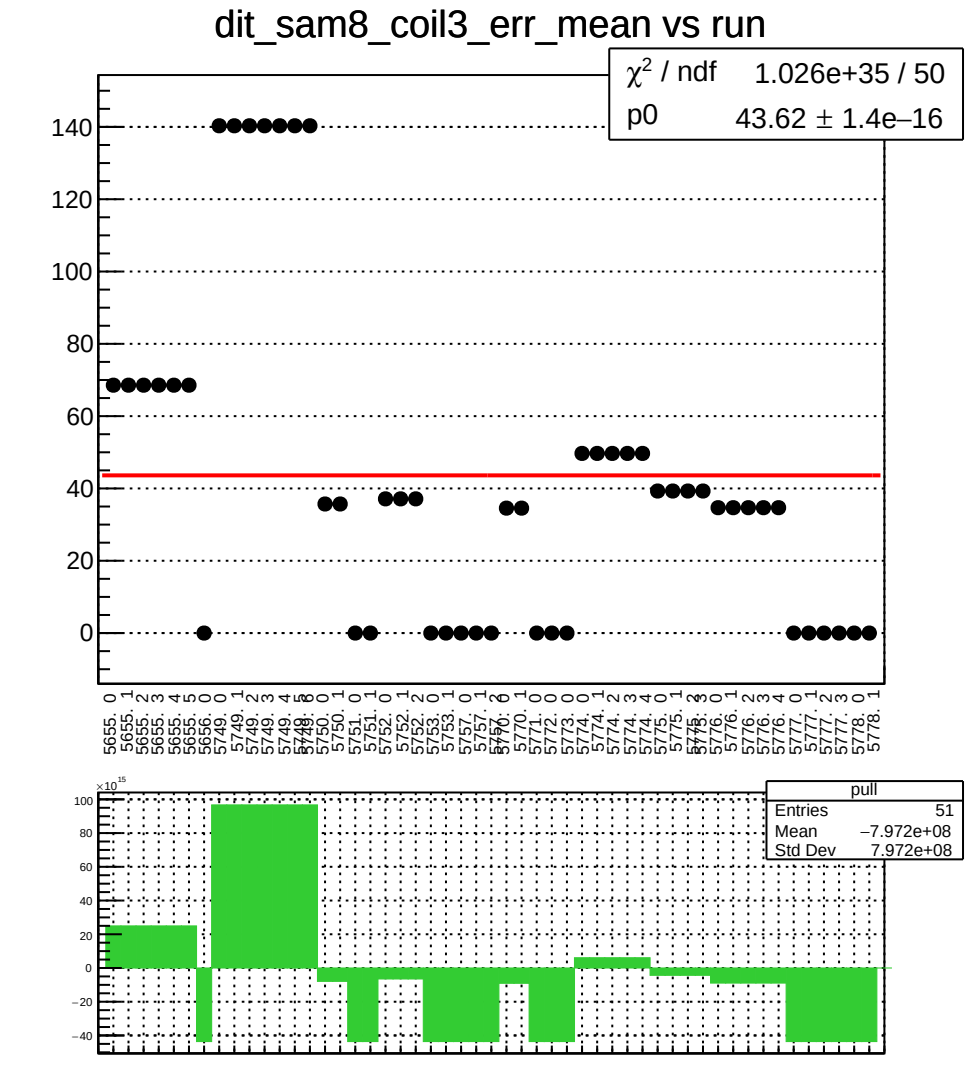

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

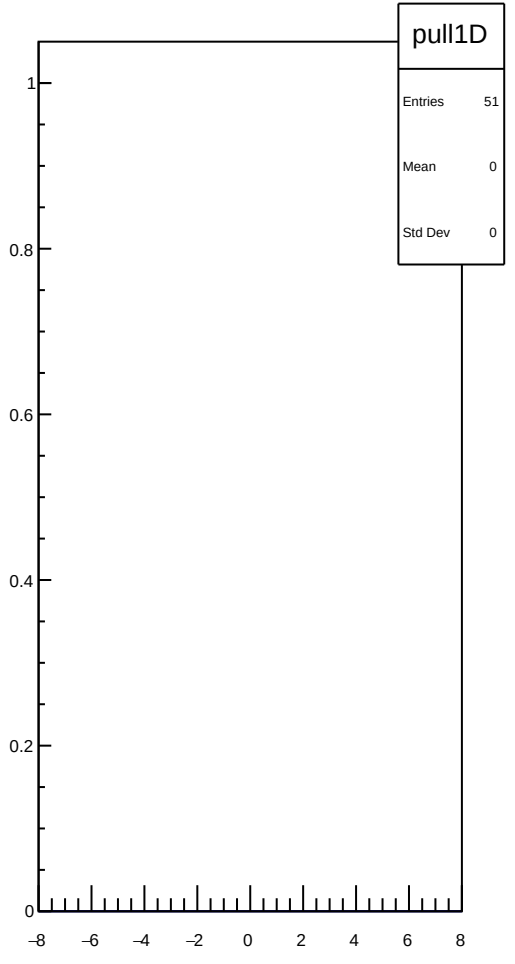

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

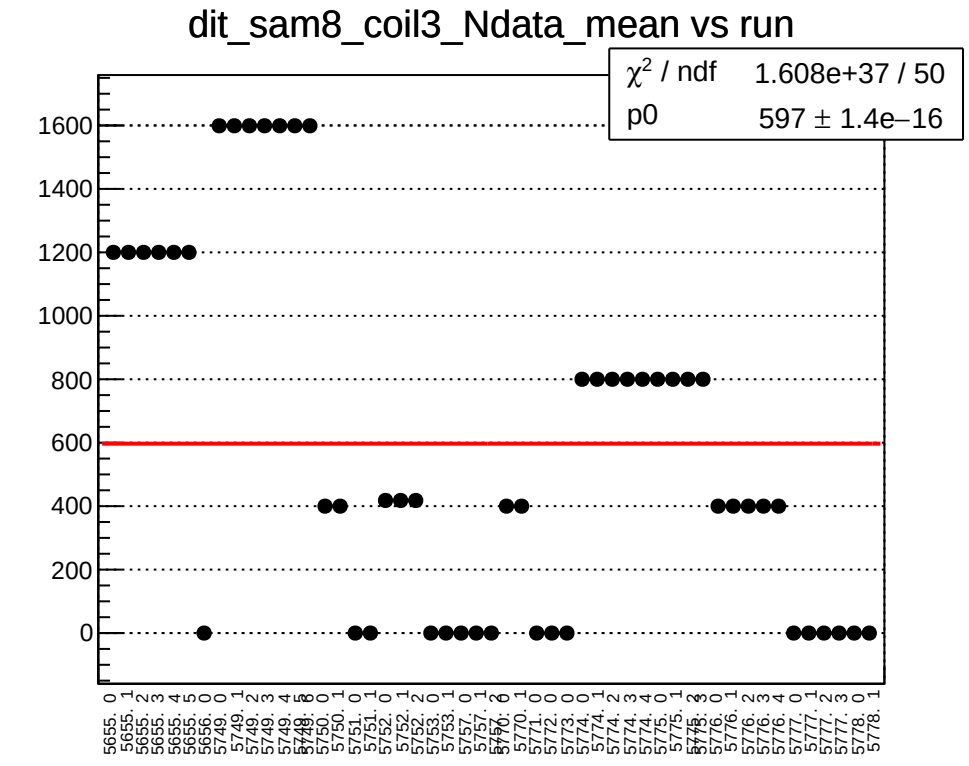

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

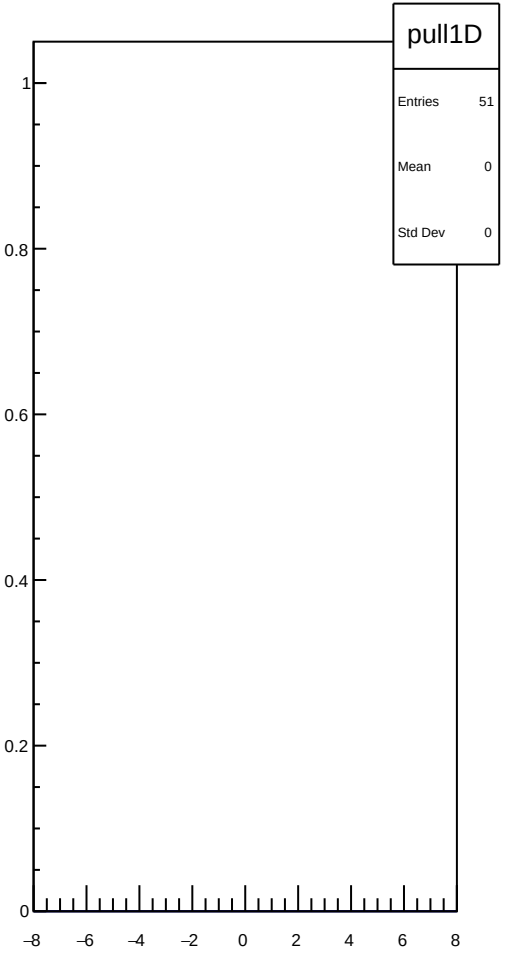

dit_sam8_coil3_mean vs run
χ² / ndf 1.189e+37 / 50
p0 644.4 ± 1.4e–16
pull
Entries 51
Mean 1.04e+09
Std Dev 1.04e+09

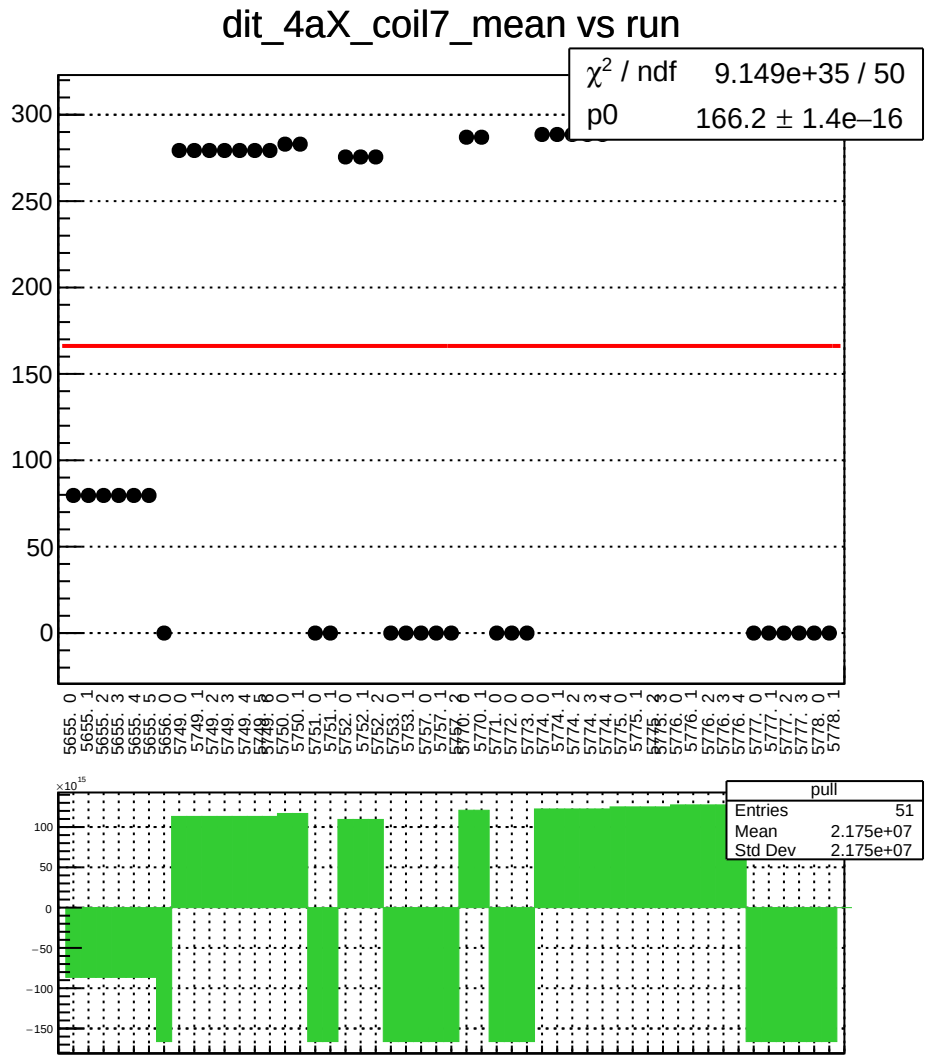

pull1D
Entries 51
Mean 0
Std Dev 0

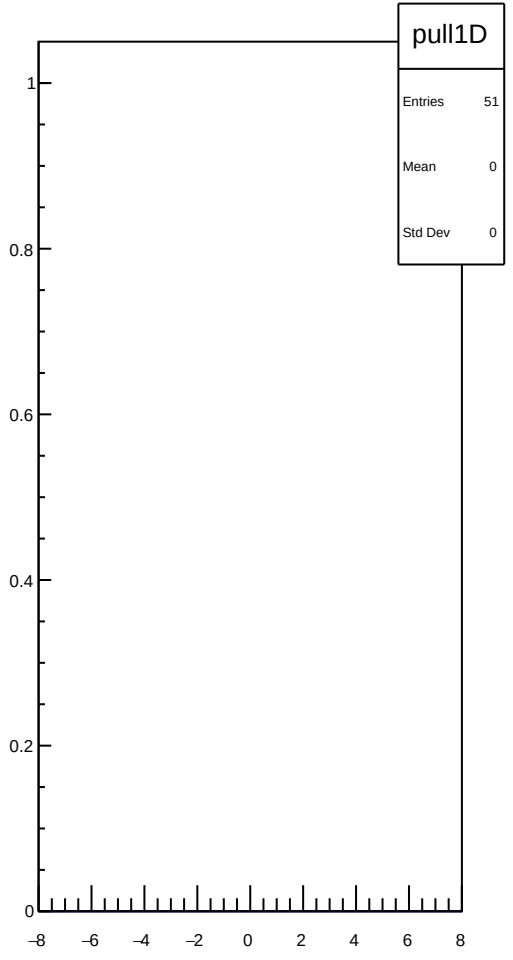

dit_sam8_coil3_err_mean vs run
χ² / ndf 1.026e+35 / 50
p0 43.62 ± 1.4e–16
pull
Entries 51
Mean –7.972e+08
Std Dev 7.972e+08
×10¹⁵

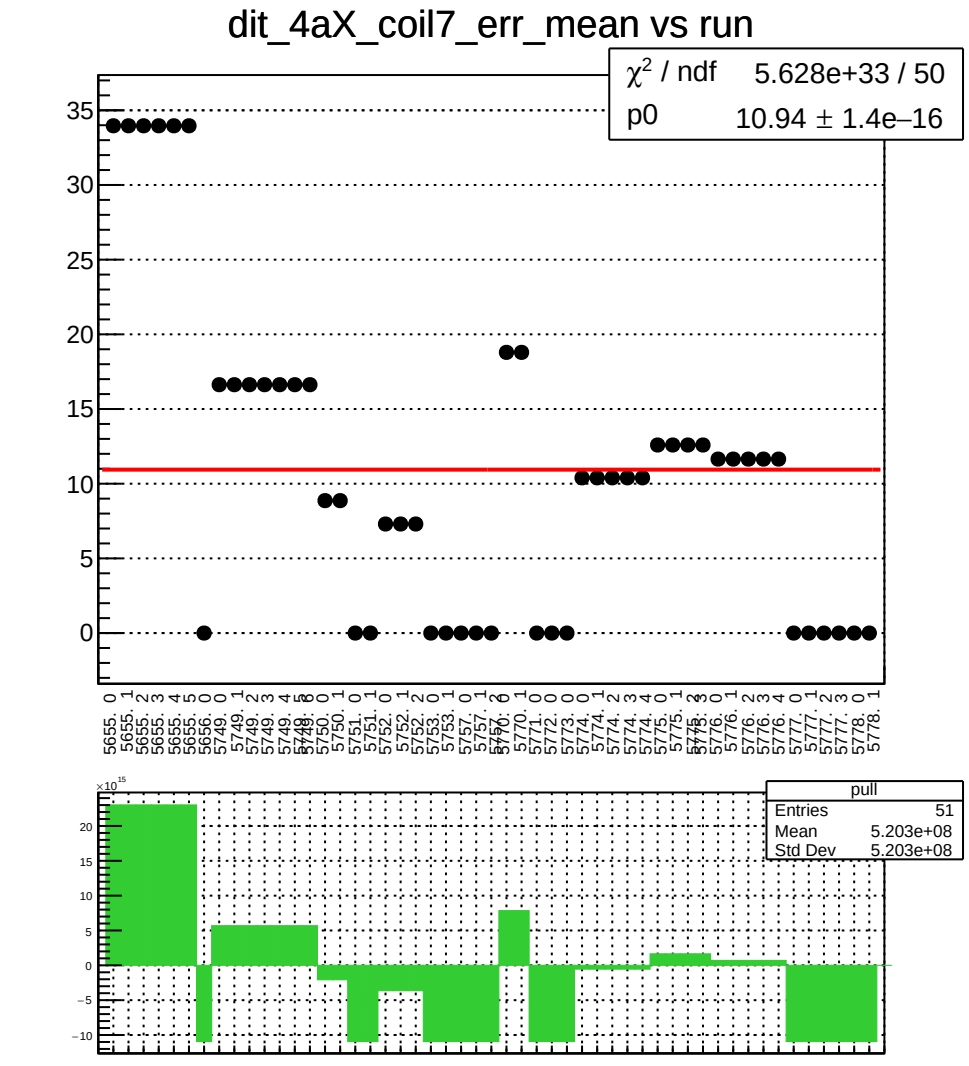

pull1D
Entries 51
Mean 0
Std Dev 0

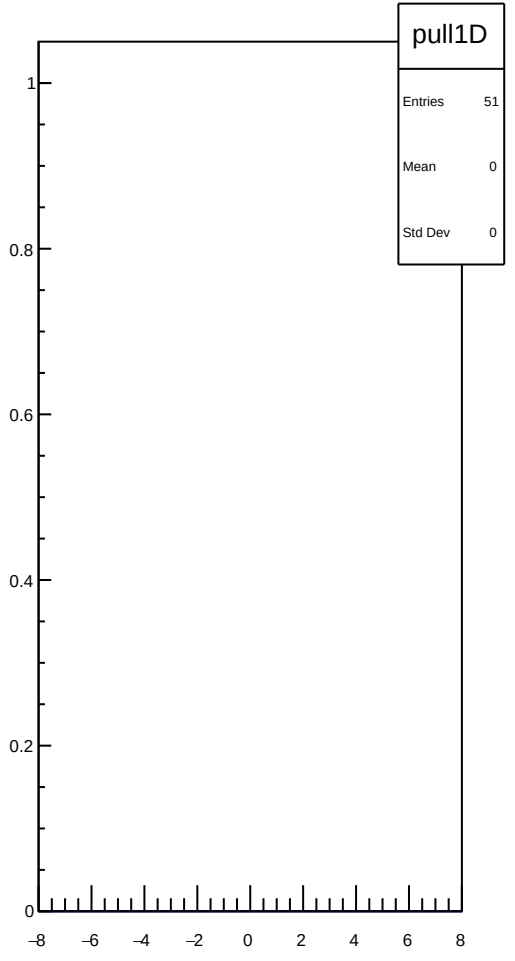

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.608e+37 / 50
p0 597 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −4.789e+08
Std Dev 4.789e+08

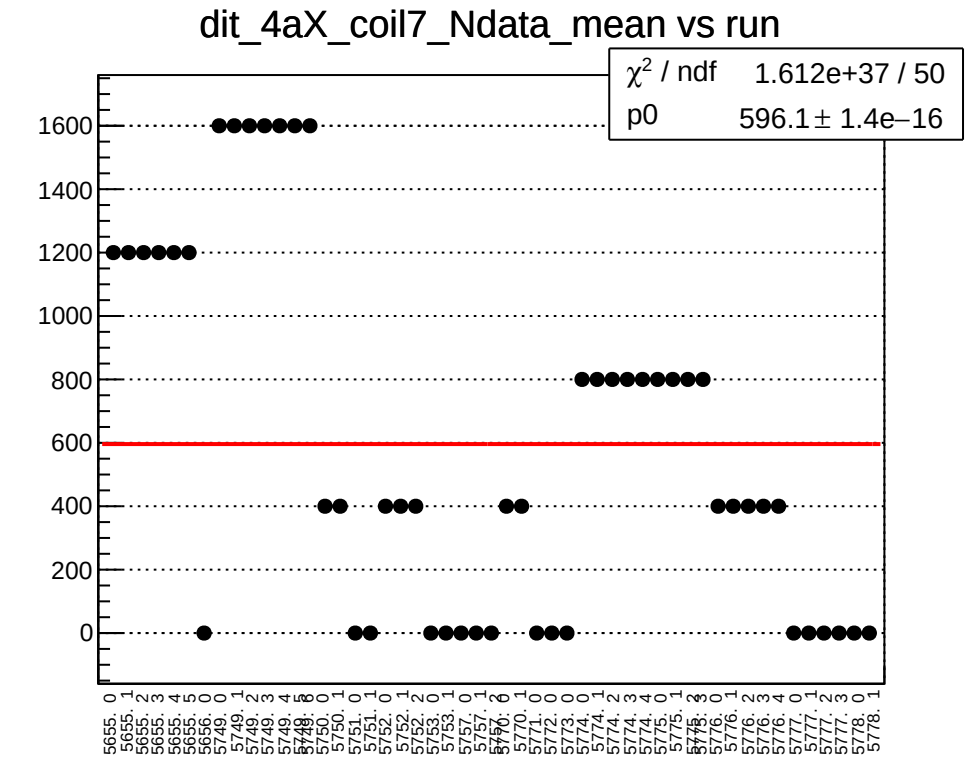

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

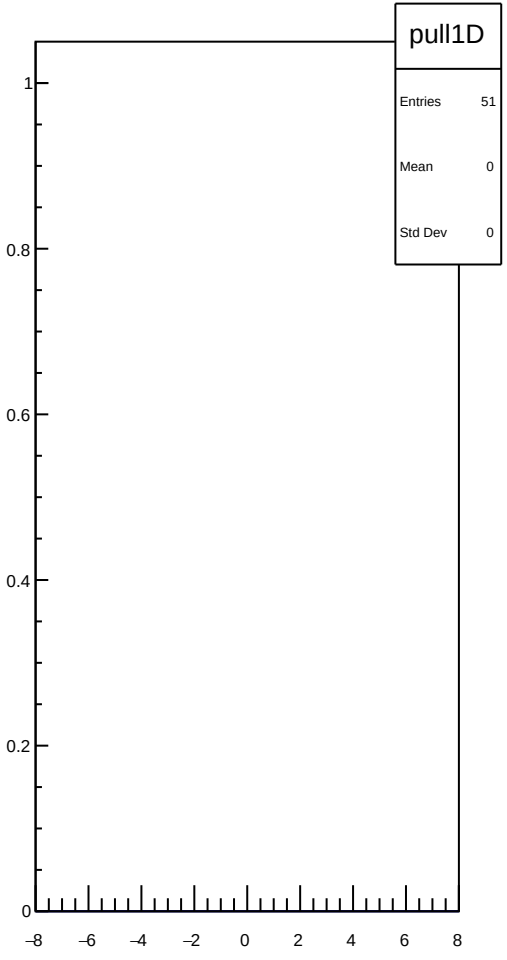

dit_4aX_coil7_mean vs run
χ² / ndf 9.149e+35 / 50
p0 166.2 ± 1.4e–16
pull
Entries 51
Mean 2.175e+07
Std Dev 2.175e+07

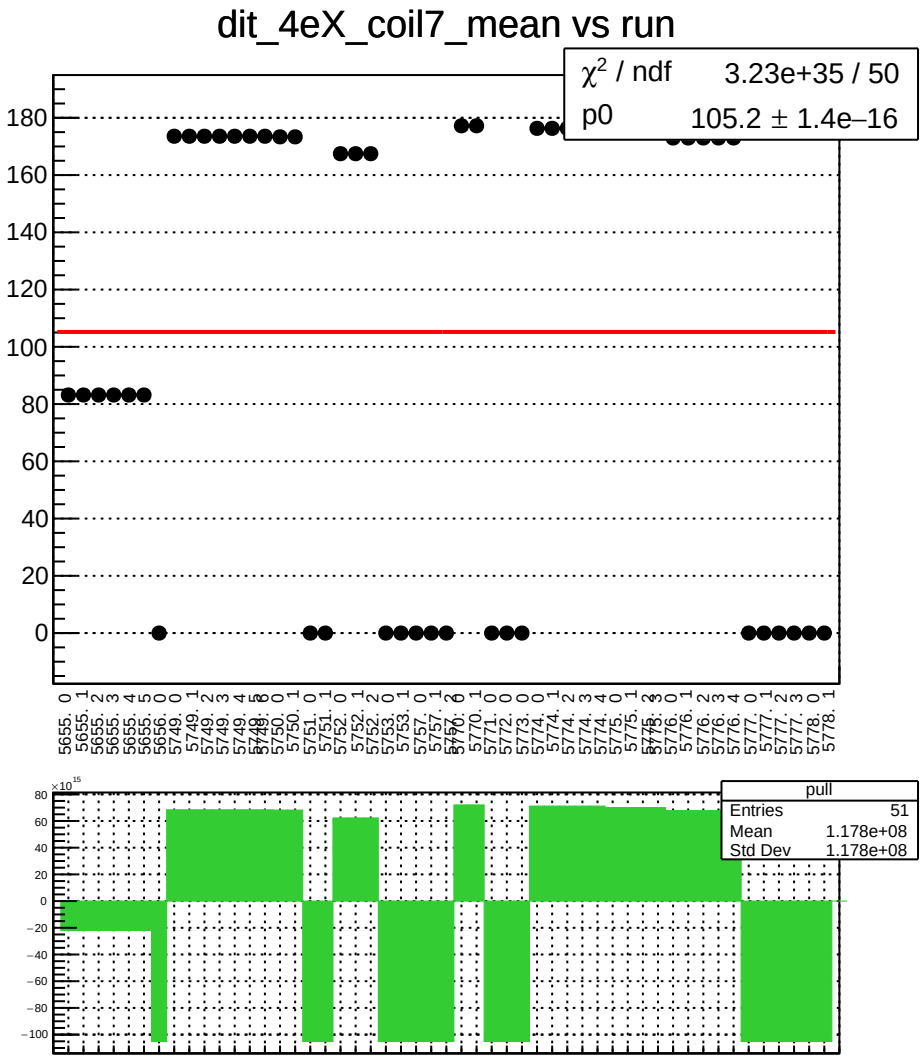

pull1D
Entries 51
Mean 0
Std Dev 0

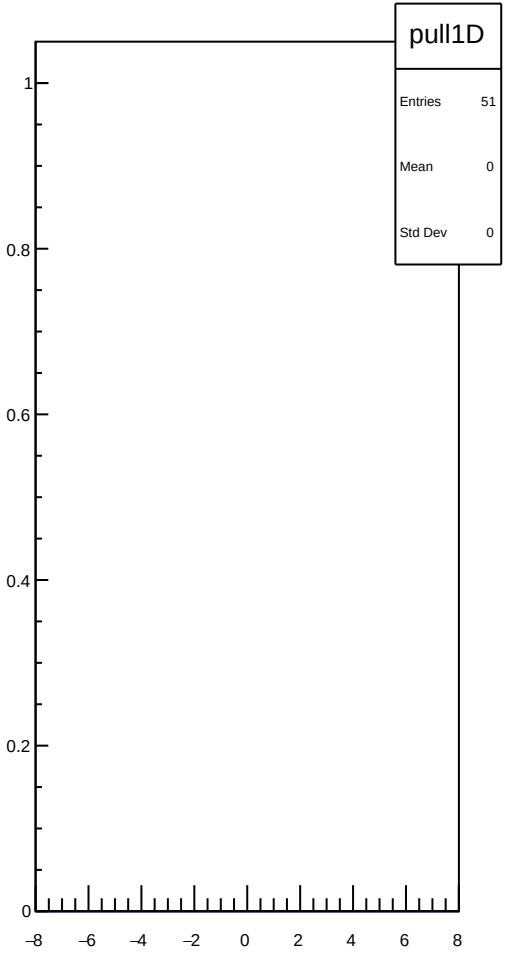

dit_4aX_coil7_err_mean vs run
χ² / ndf 5.628e+33 / 50
p0 10.94 ± 1.4e–16
pull
Entries 51
Mean 5.203e+08
Std Dev 5.203e+08

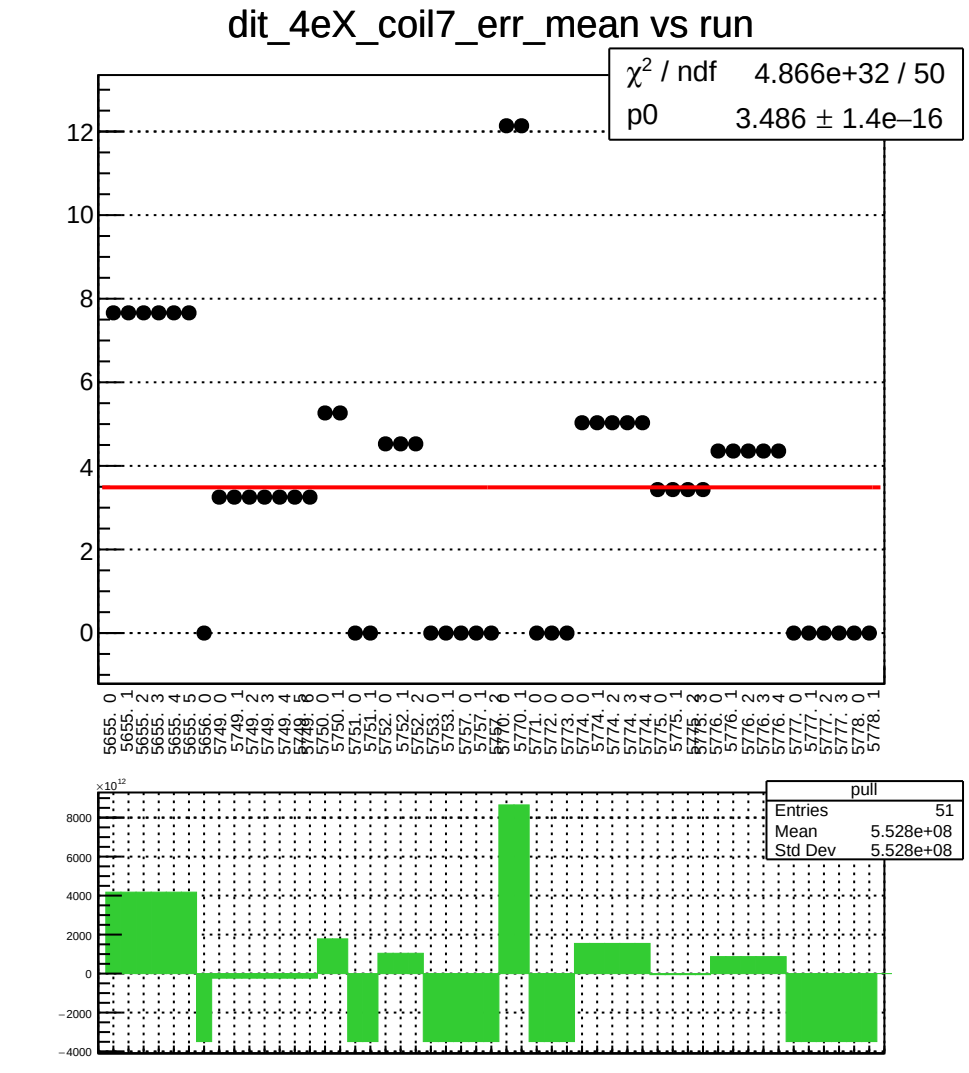

pull1D
Entries 51
Mean 0
Std Dev 0

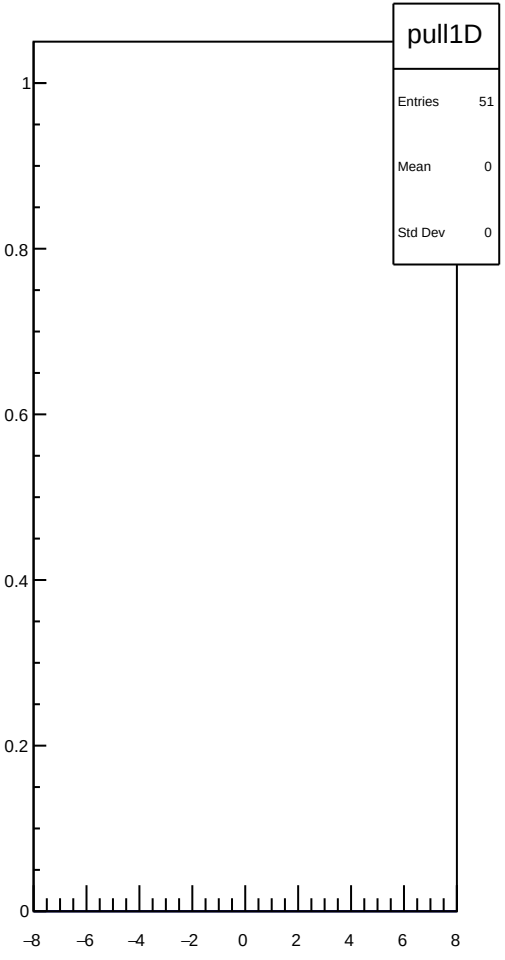

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

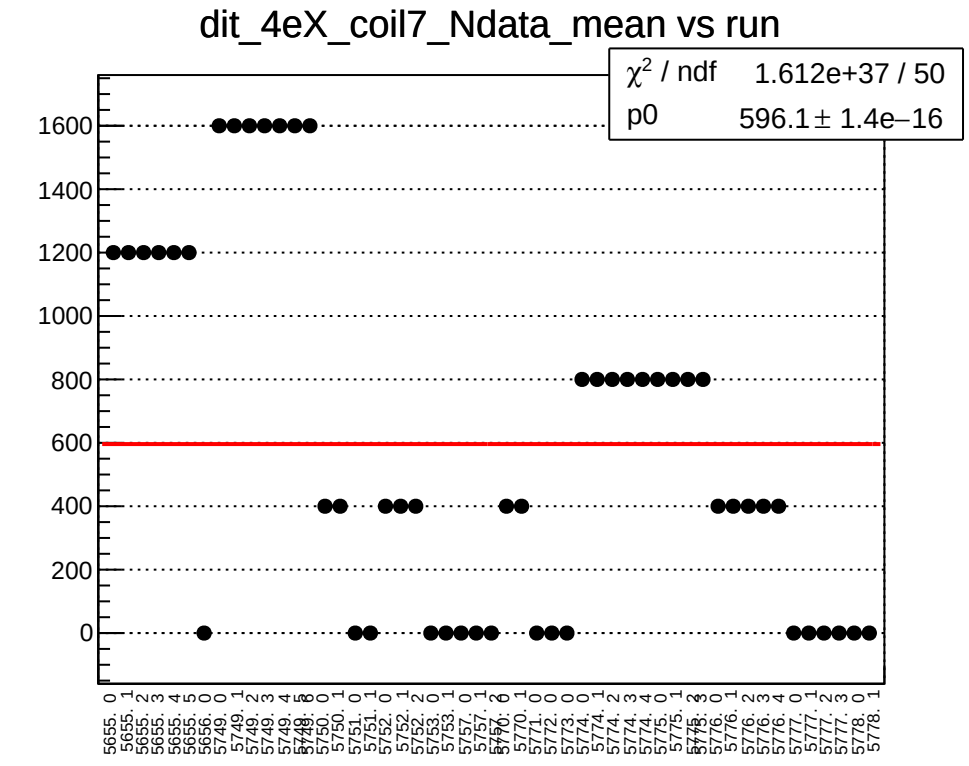

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

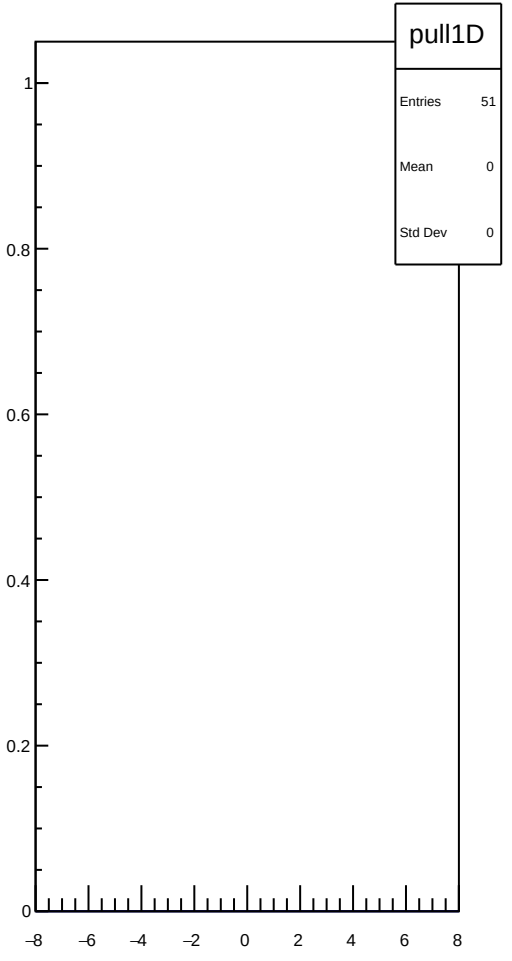

dit_4eX_coil7_mean vs run
χ² / ndf 3.23e+35 / 50
p0 105.2 ± 1.4e–16
pull
Entries 51
Mean 1.178e+08
Std Dev 1.178e+08

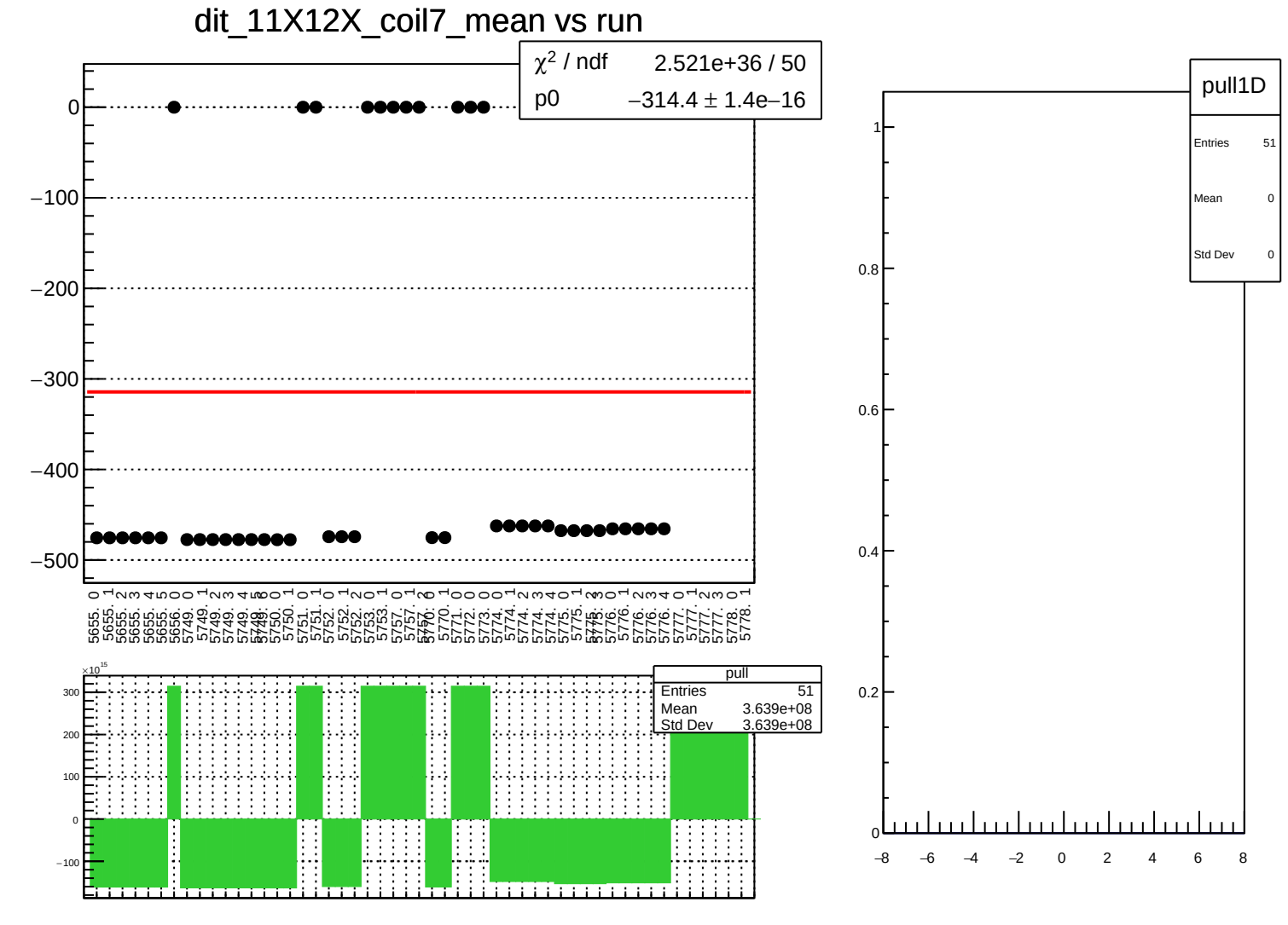

pull1D
Entries 51
Mean 0
Std Dev 0

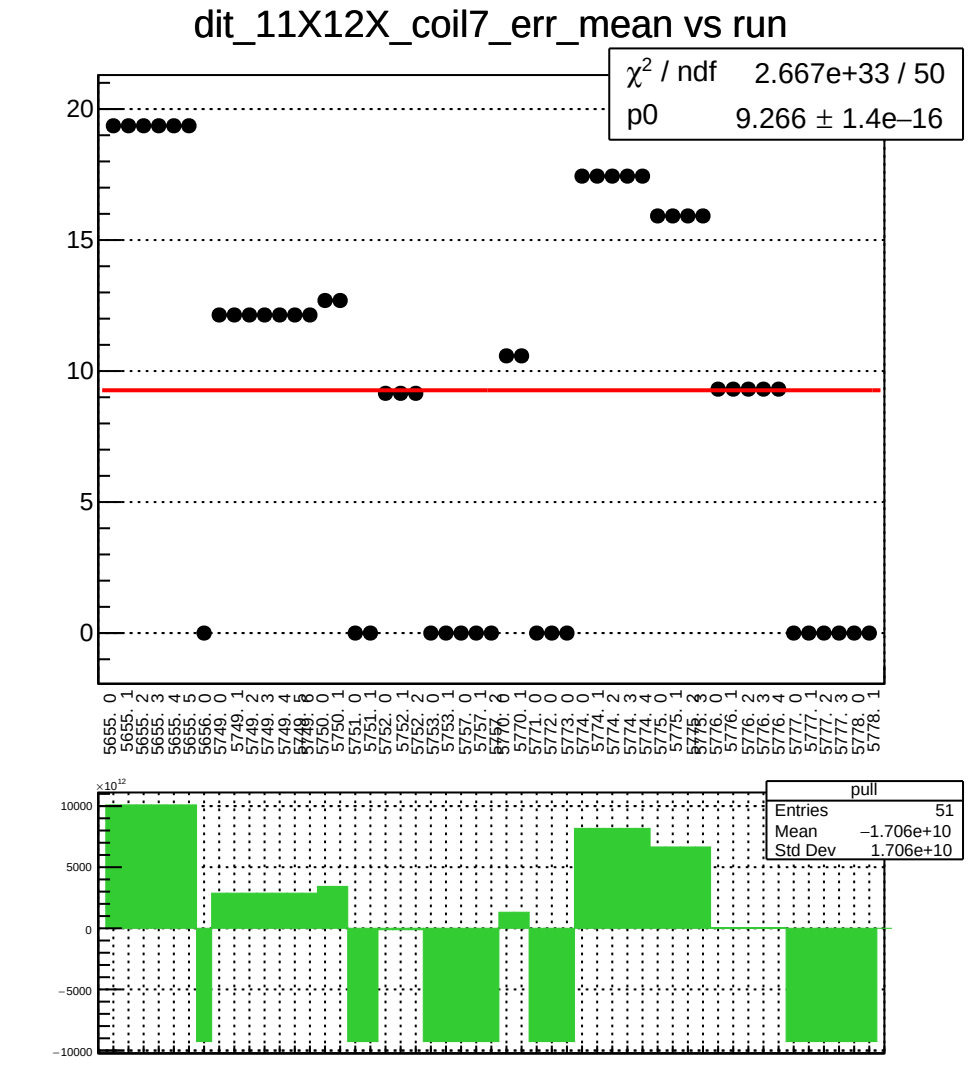

dit_4eX_coil7_err_mean vs run
χ² / ndf 4.866e+32 / 50
p0 3.486 ± 1.4e–16
pull
Entries 51
Mean 5.528e+08
Std Dev 5.528e+08

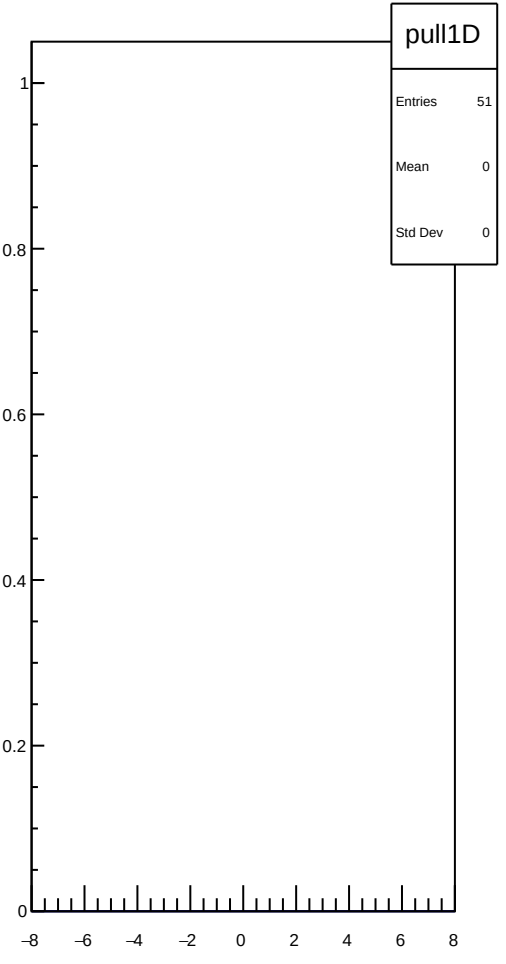

pull1D
Entries 51
Mean 0
Std Dev 0

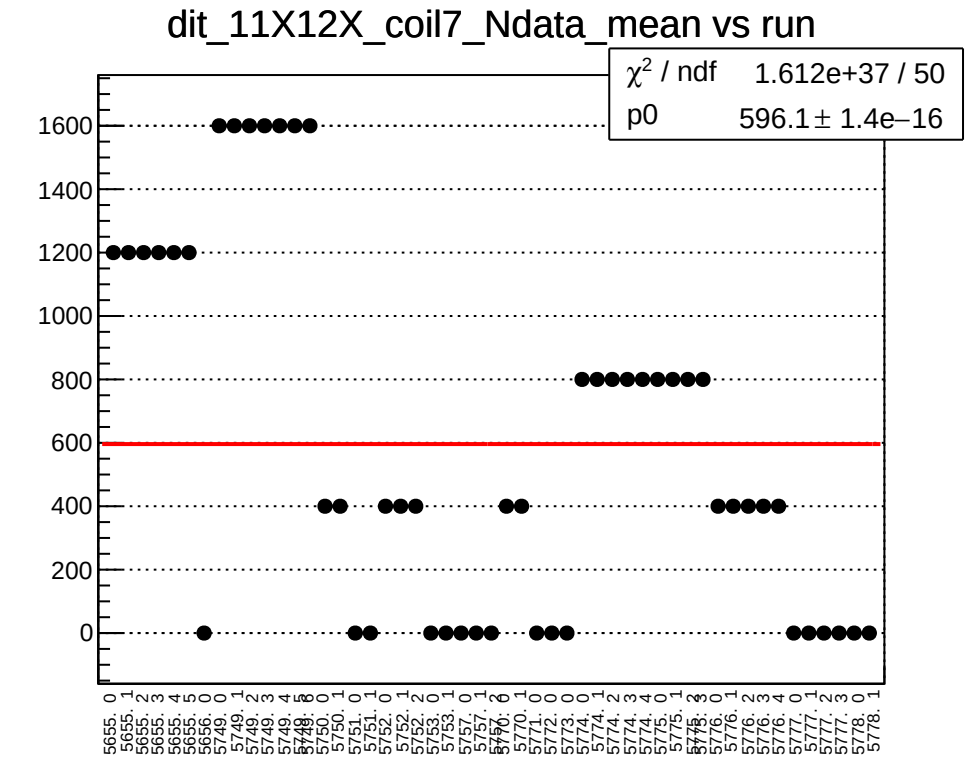

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

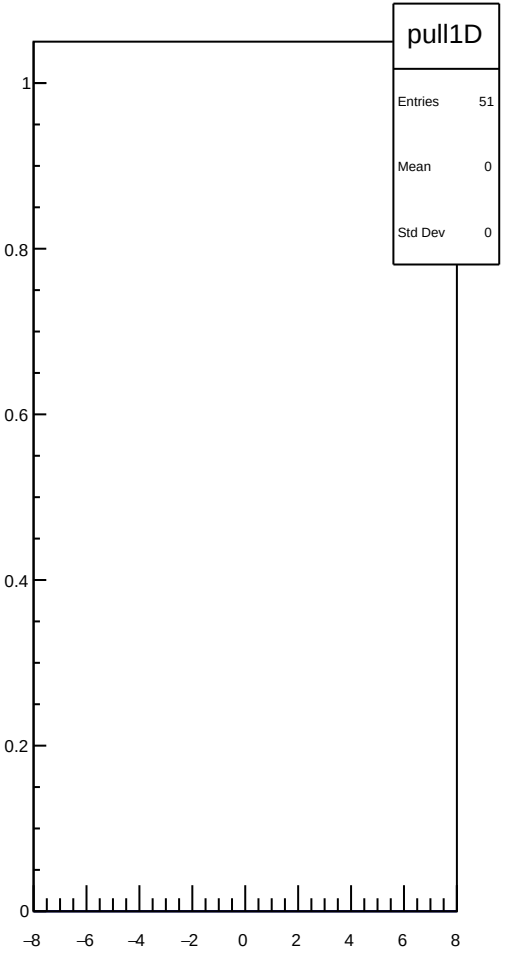

pull1D
Entries 51
Mean 0
Std Dev 0

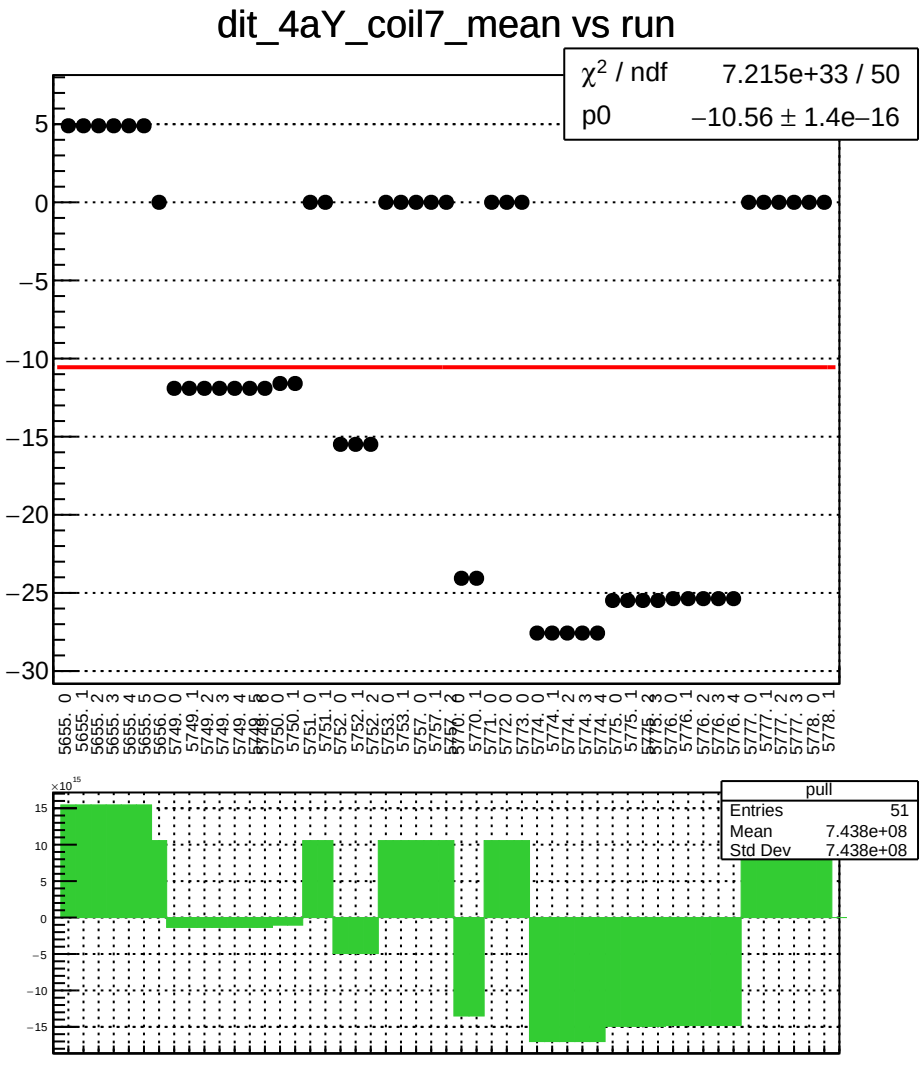

dit_11X12X_coil7_mean vs run
χ² / ndf 2.521e+36 / 50
p0 −314.4 ± 1.4e−16
0
−100
−200
−300
−400
−500
pull
Entries 51
Mean 3.639e+08
Std Dev 3.639e+08
×10¹⁵
300
200
100
0
−100
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

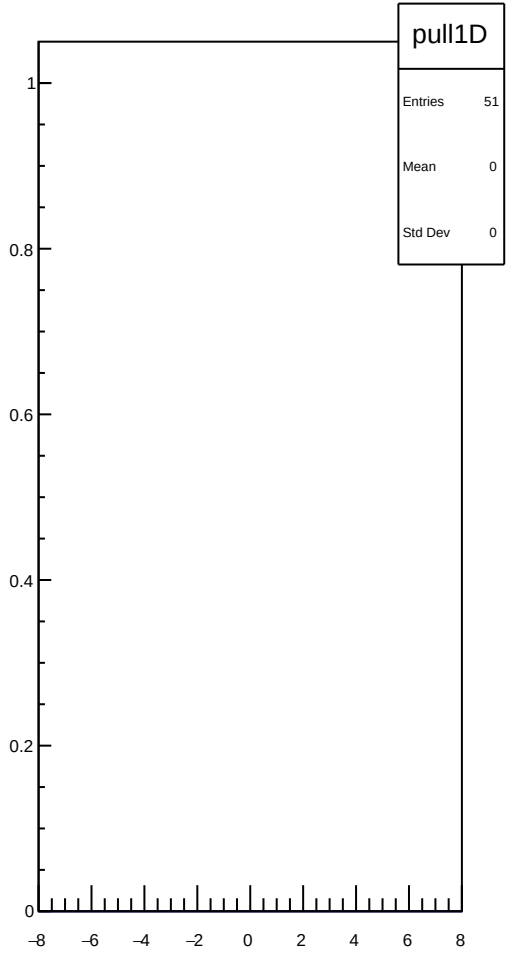

dit_11X12X_coil7_err_mean vs run
χ² / ndf 2.667e+33 / 50
p0 9.266 ± 1.4e–16
pull
Entries 51
Mean –1.706e+10
Std Dev 1.706e+10

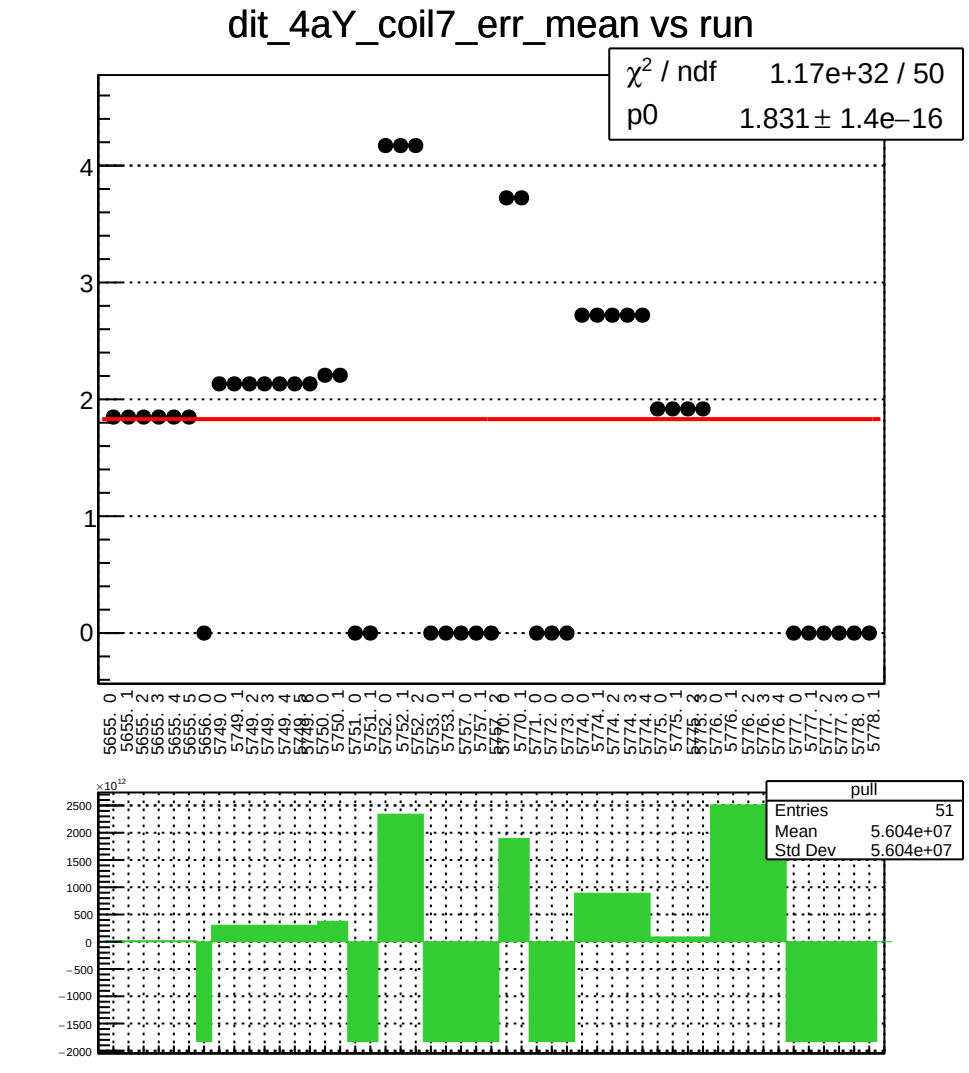

pull1D
Entries 51
Mean 0
Std Dev 0

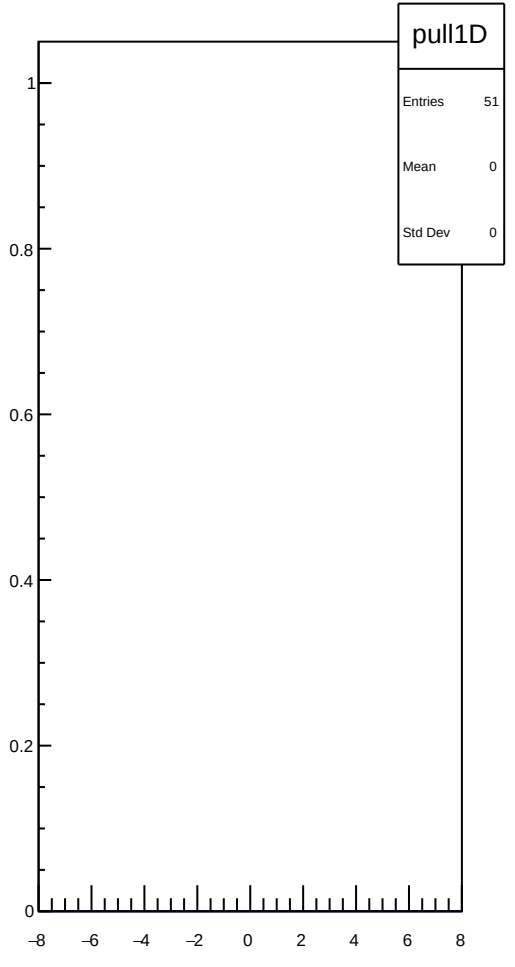

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

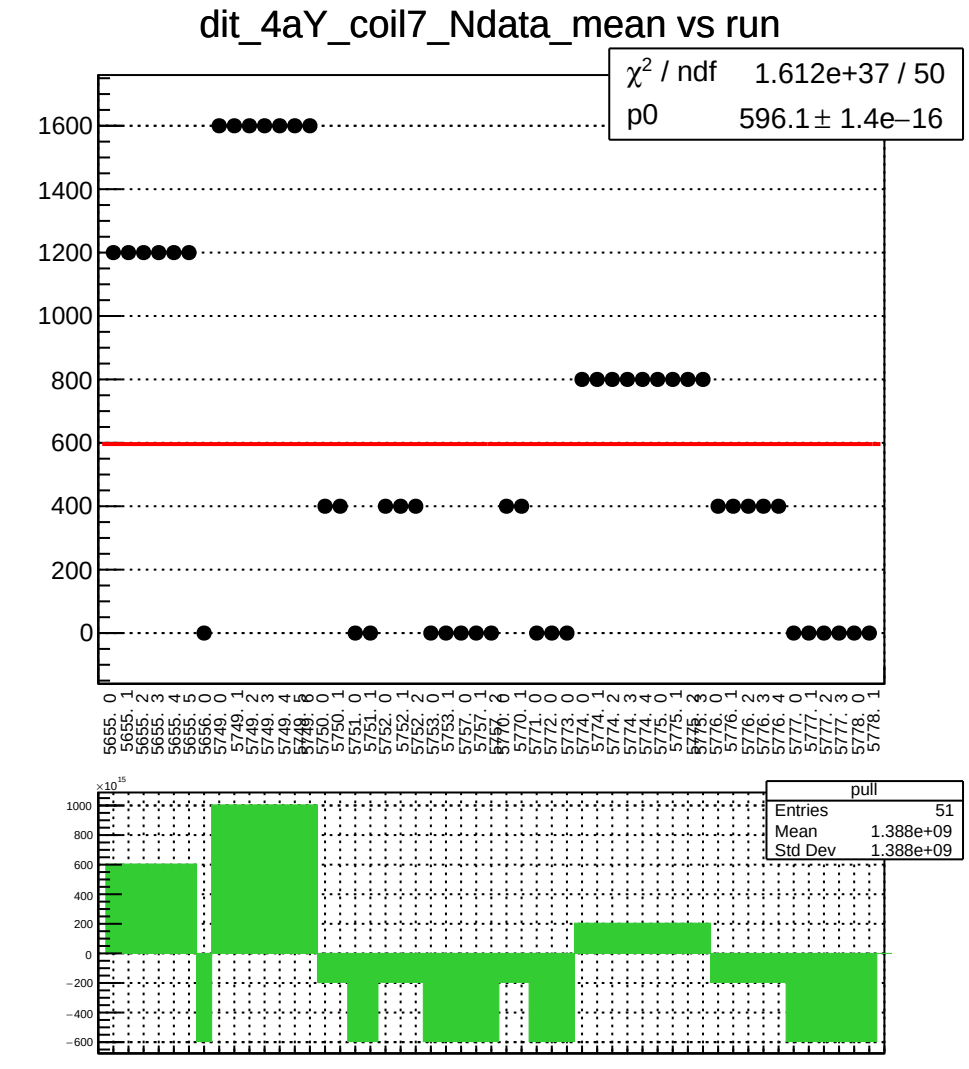

pull1D
Entries 51
Mean 0
Std Dev 0

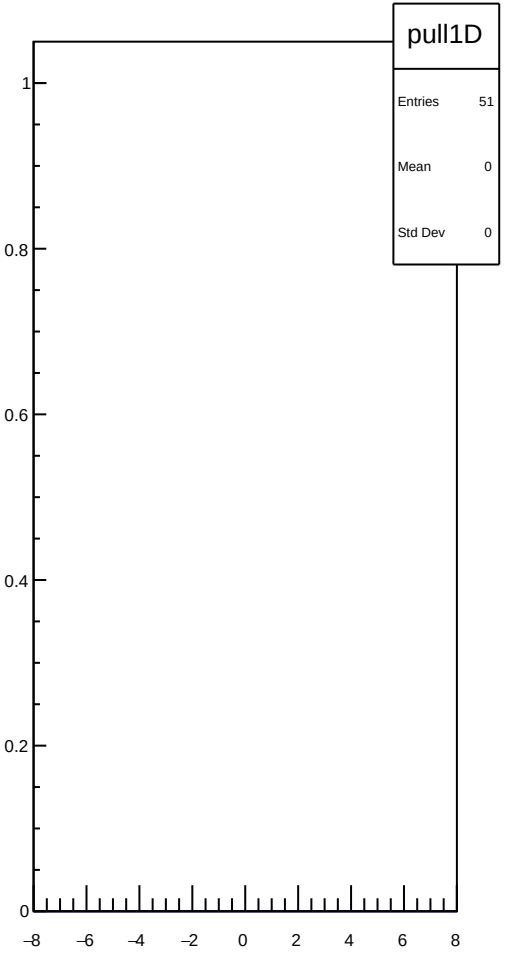

dit_4aY_coil7_mean vs run
χ² / ndf 7.215e+33 / 50
p0 −10.56 ± 1.4e−16
pull
Entries 51
Mean 7.438e+08
Std Dev 7.438e+08

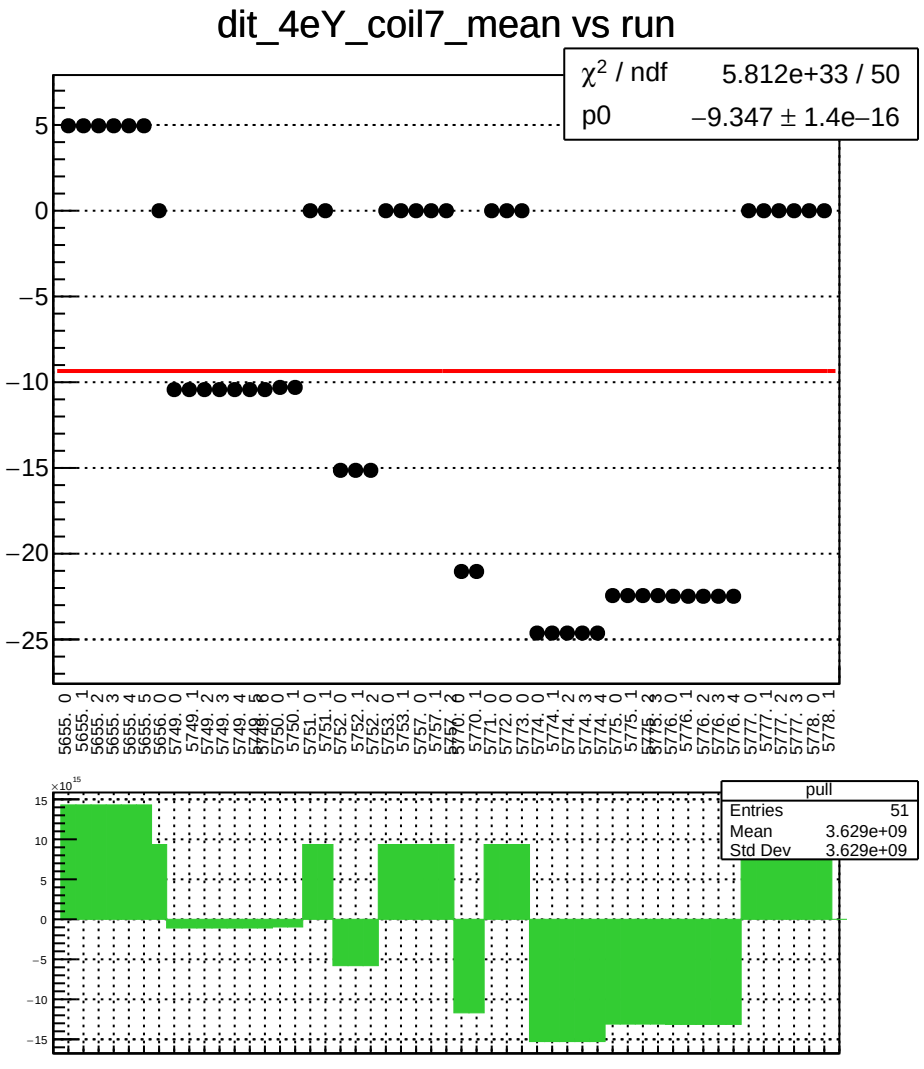

pull1D
Entries 51
Mean 0
Std Dev 0

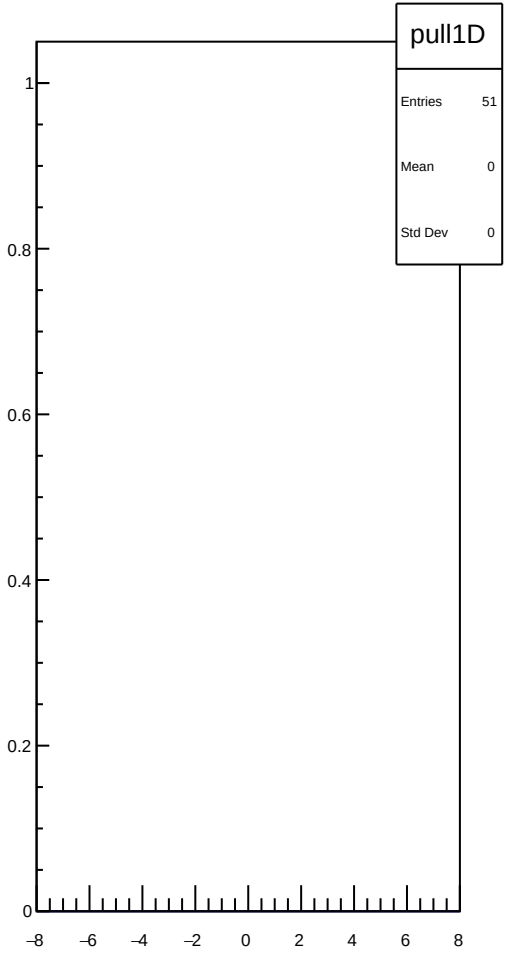

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.17e+32 / 50
p0 1.831 ± 1.4e−16
pull
Entries 51
Mean 5.604e+07
Std Dev 5.604e+07

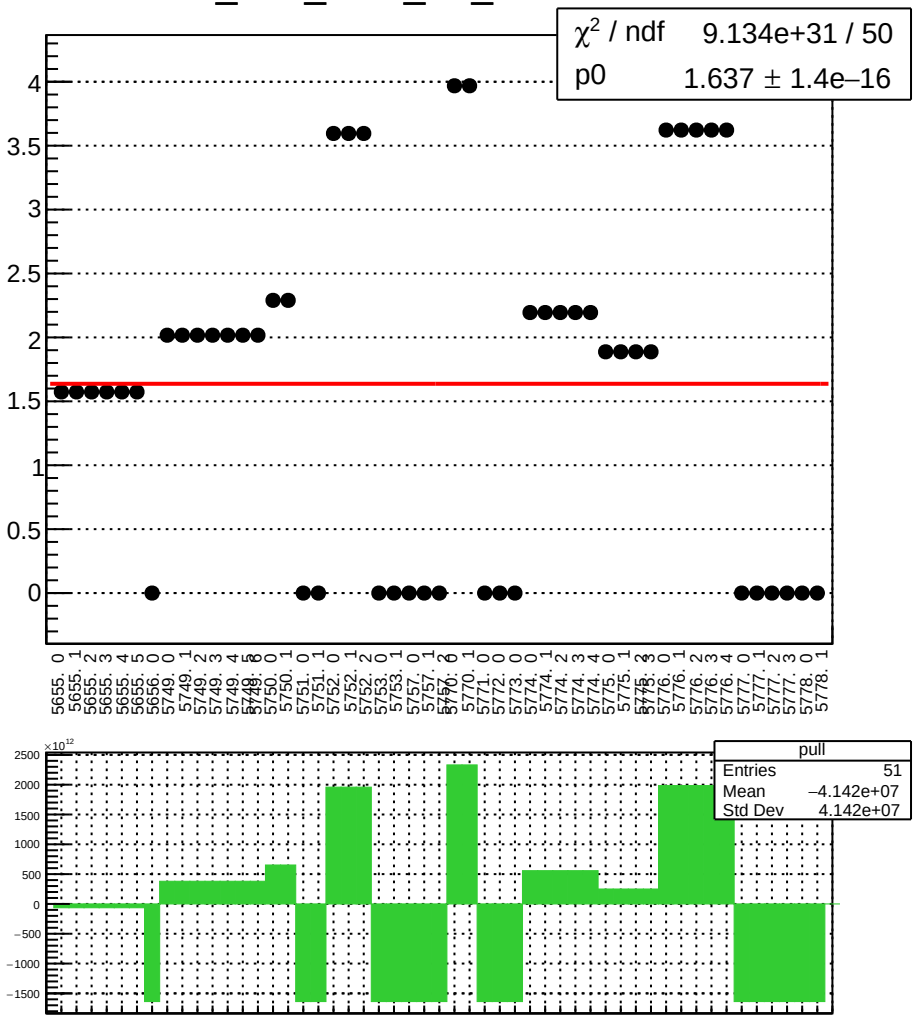

pull1D
Entries 51
Mean 0
Std Dev 0

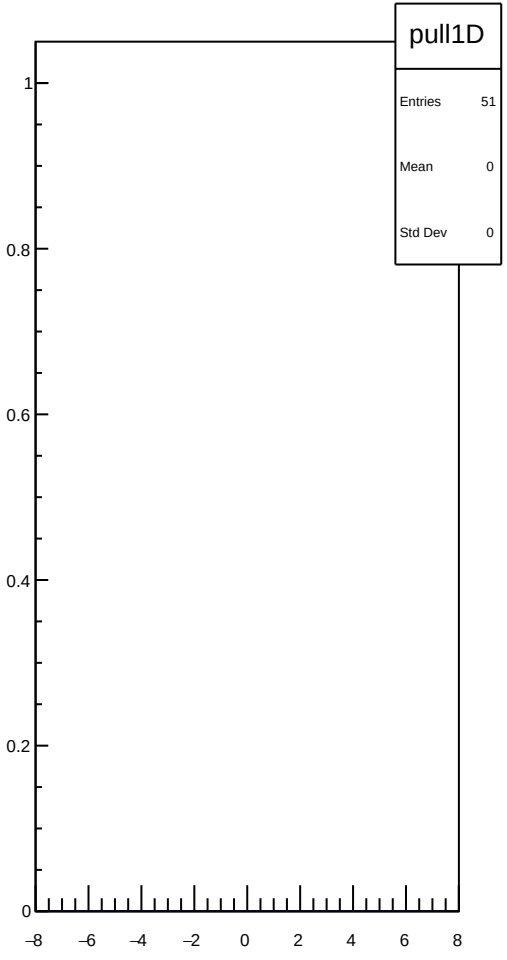

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

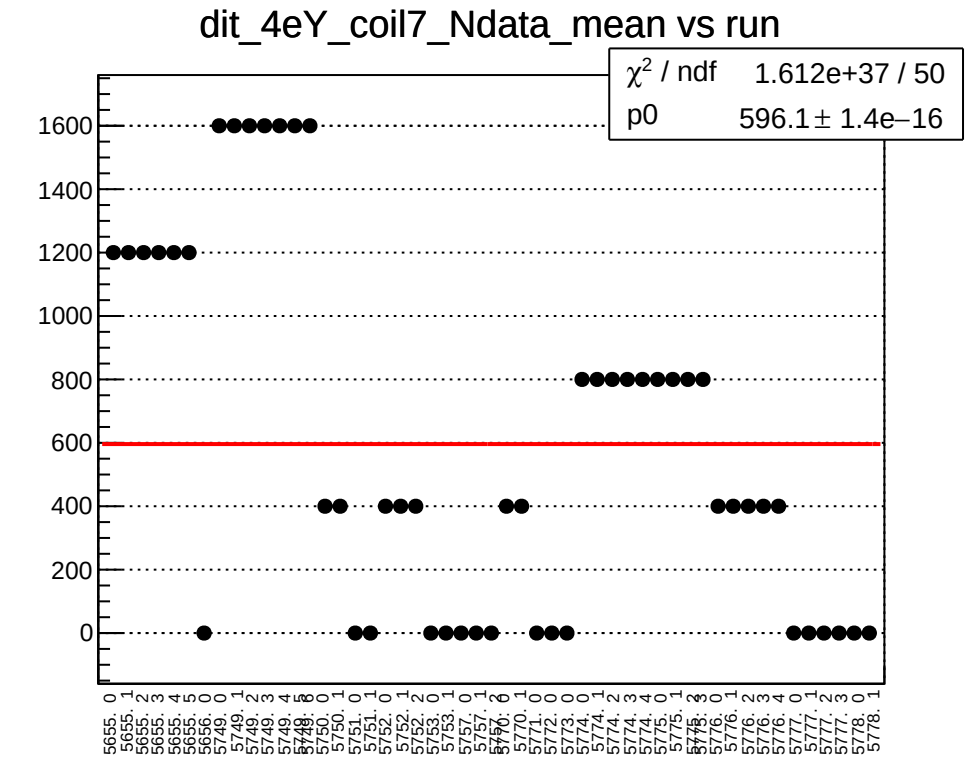

pull1D
Entries 51
Mean 0
Std Dev 0

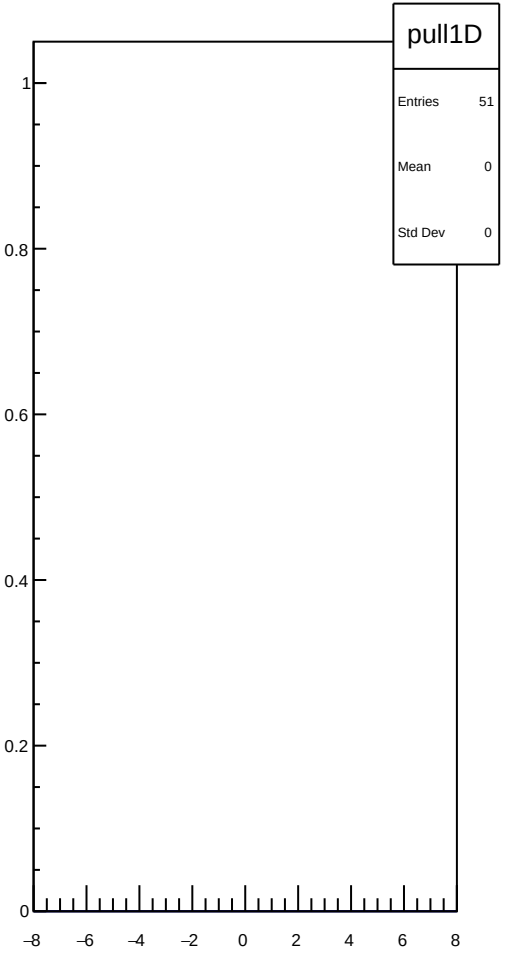

dit_4eY_coil7_mean vs run
χ² / ndf 5.812e+33 / 50
p0 −9.347 ± 1.4e−16
pull
Entries 51
Mean 3.629e+09
Std Dev 3.629e+09

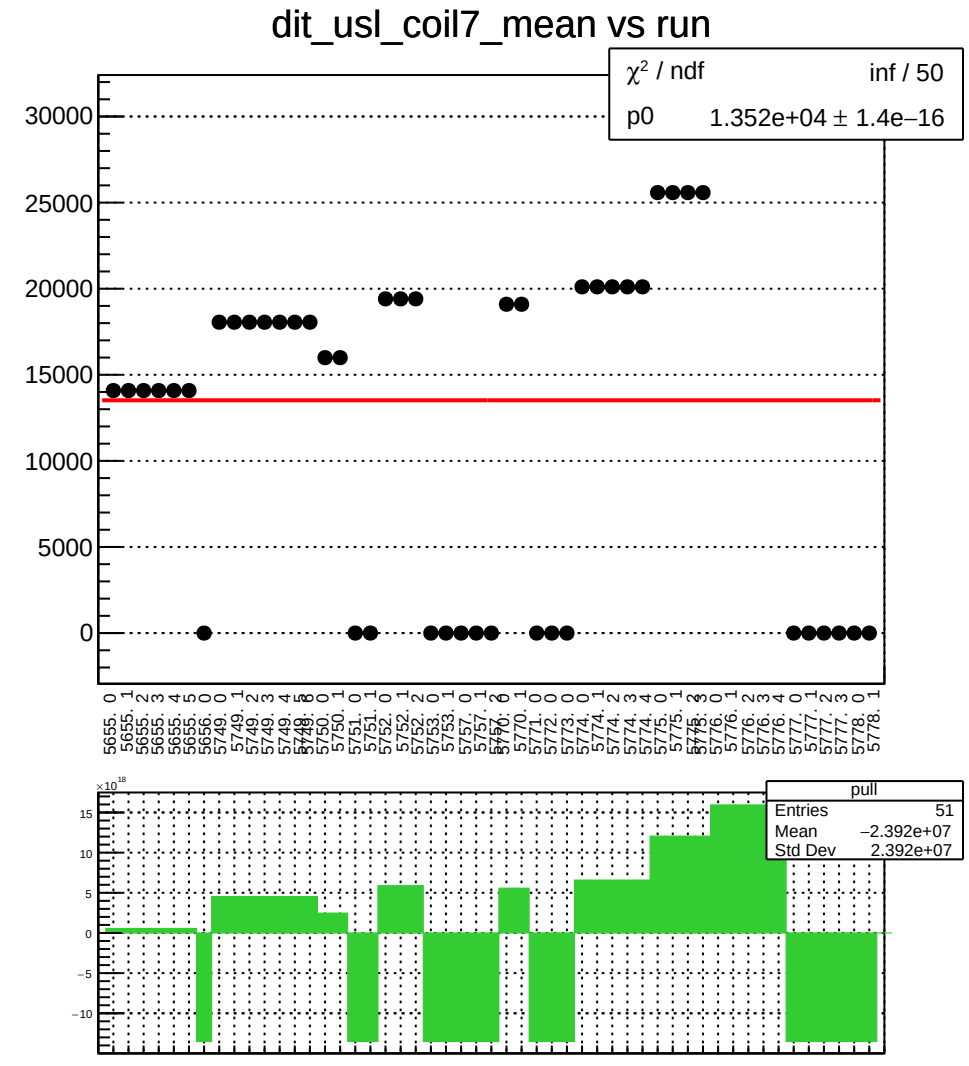

pull1D
Entries 51
Mean 0
Std Dev 0

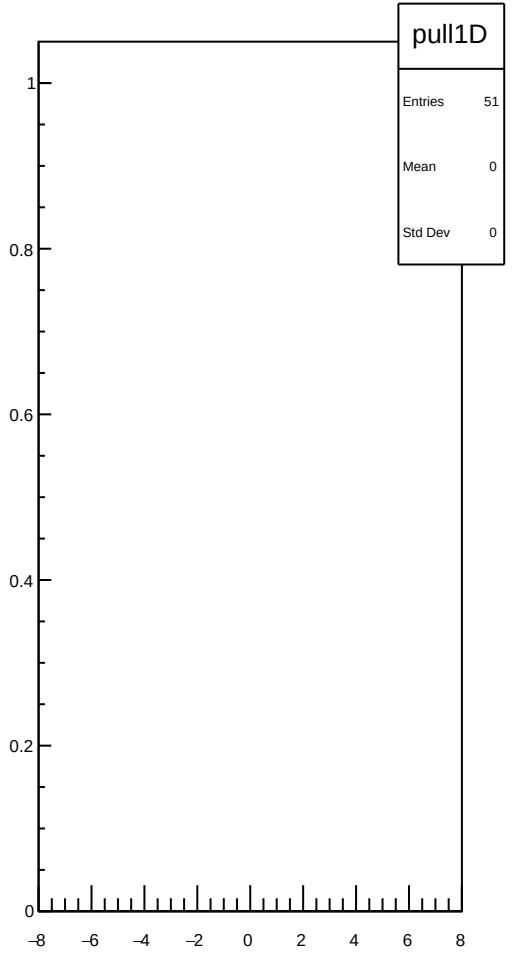

dit_4eY_coil7_err_mean vs run
χ² / ndf 9.134e+31 / 50
p0 1.637 ± 1.4e–16
pull
Entries 51
Mean –4.142e+07
Std Dev 4.142e+07

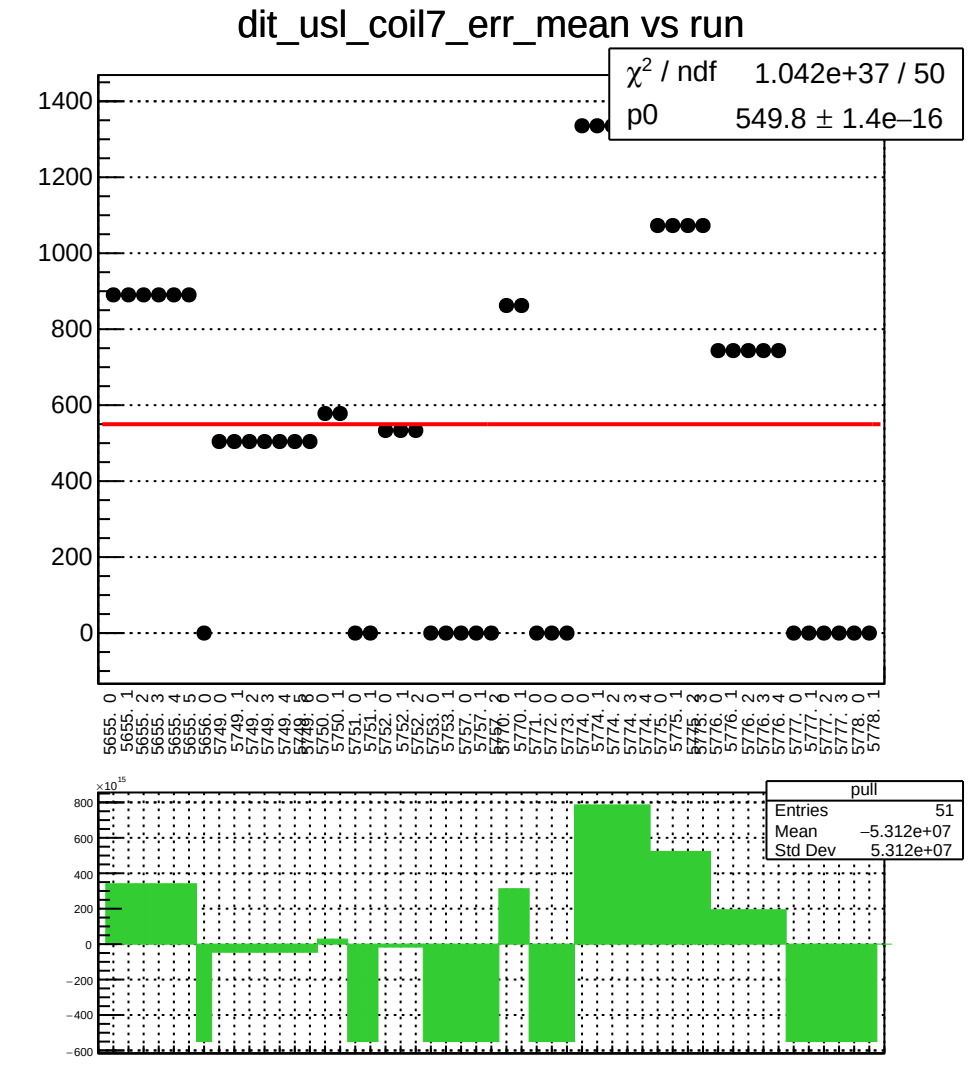

pull1D
Entries 51
Mean 0
Std Dev 0

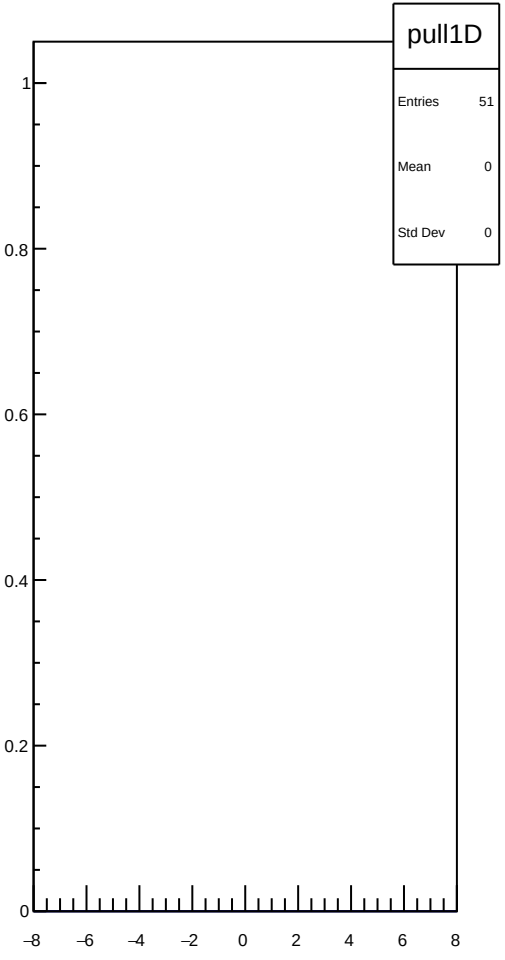

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

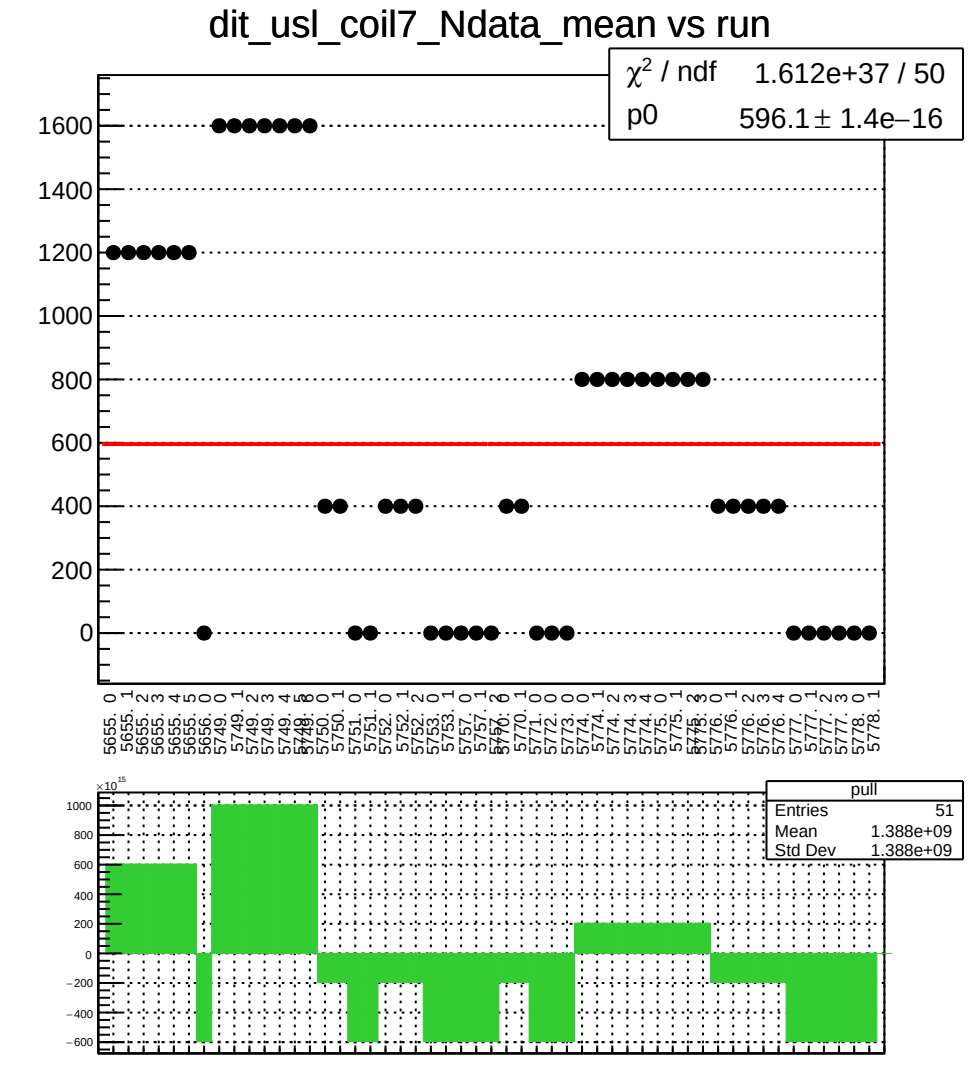

pull1D
Entries 51
Mean 0
Std Dev 0

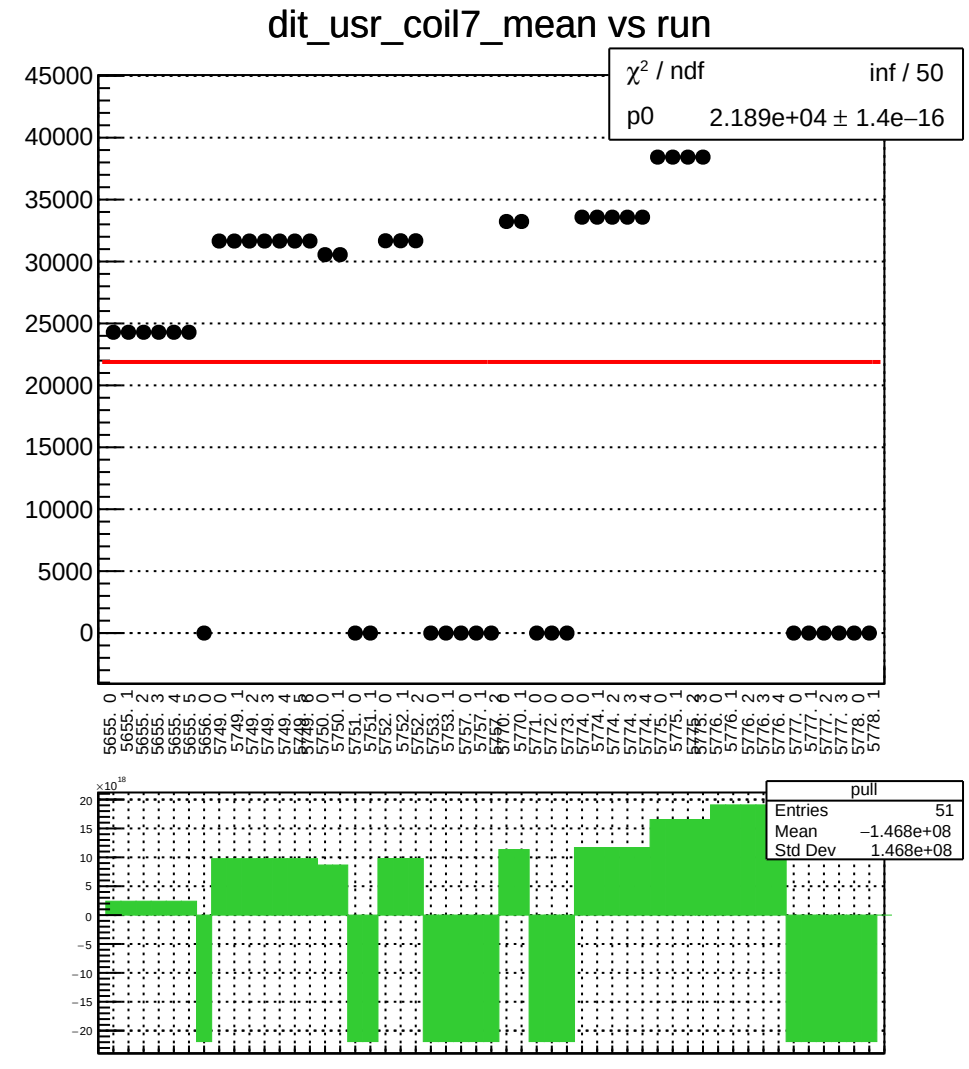

dit_usl_coil7_mean vs run
χ² / ndf inf / 50
p0 1.352e+04 ± 1.4e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean −2.392e+07
Std Dev 2.392e+07
×10¹⁸
15
10
5
0
−5
−10

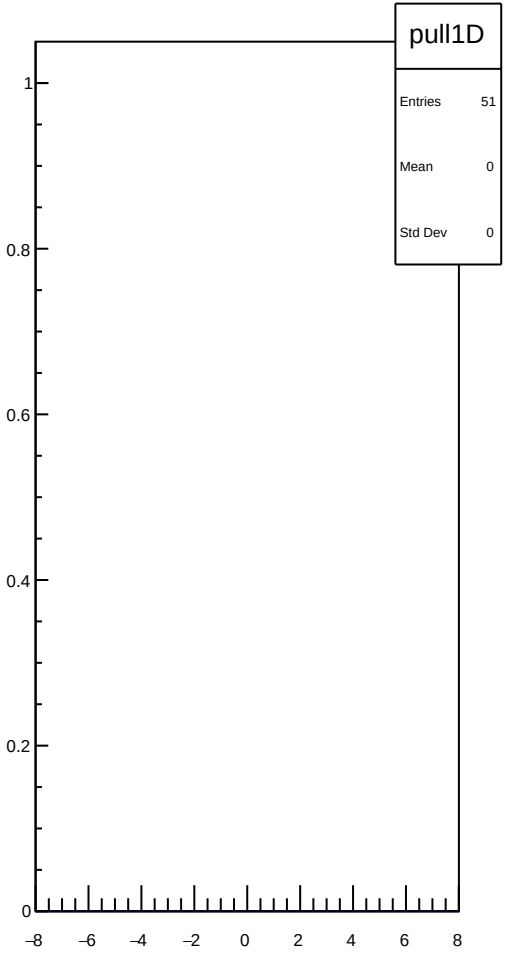

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

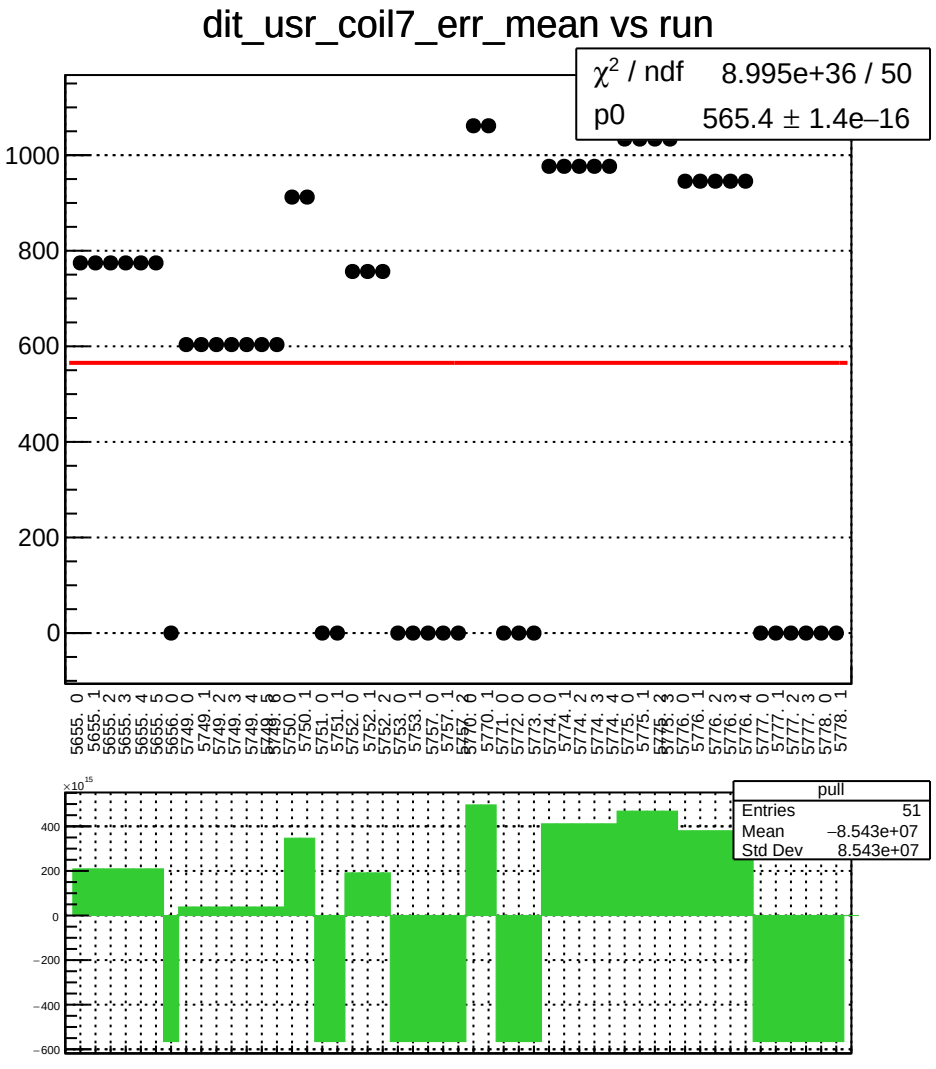

dit_usl_coil7_err_mean vs run
χ² / ndf 1.042e+37 / 50
p0 549.8 ± 1.4e–16
pull
Entries 51
Mean –5.312e+07
Std Dev 5.312e+07

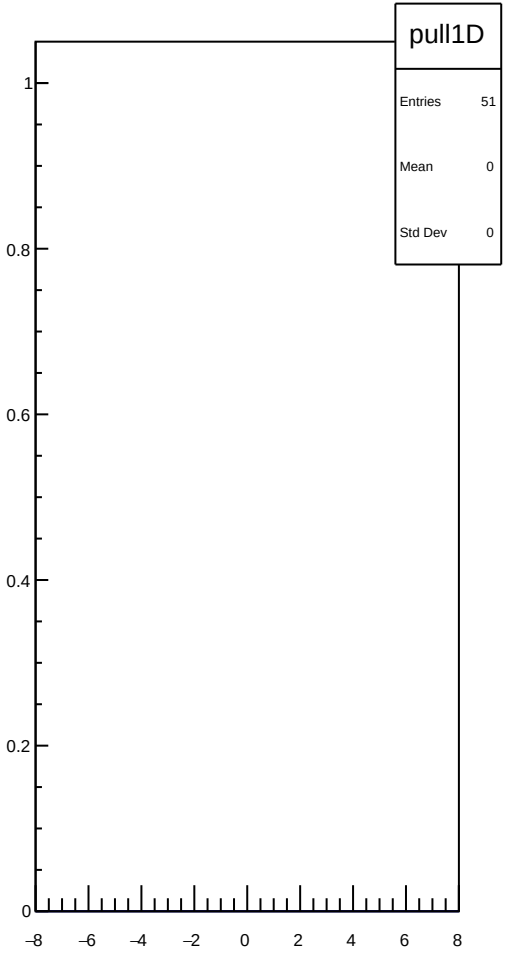

pull1D
Entries 51
Mean 0
Std Dev 0

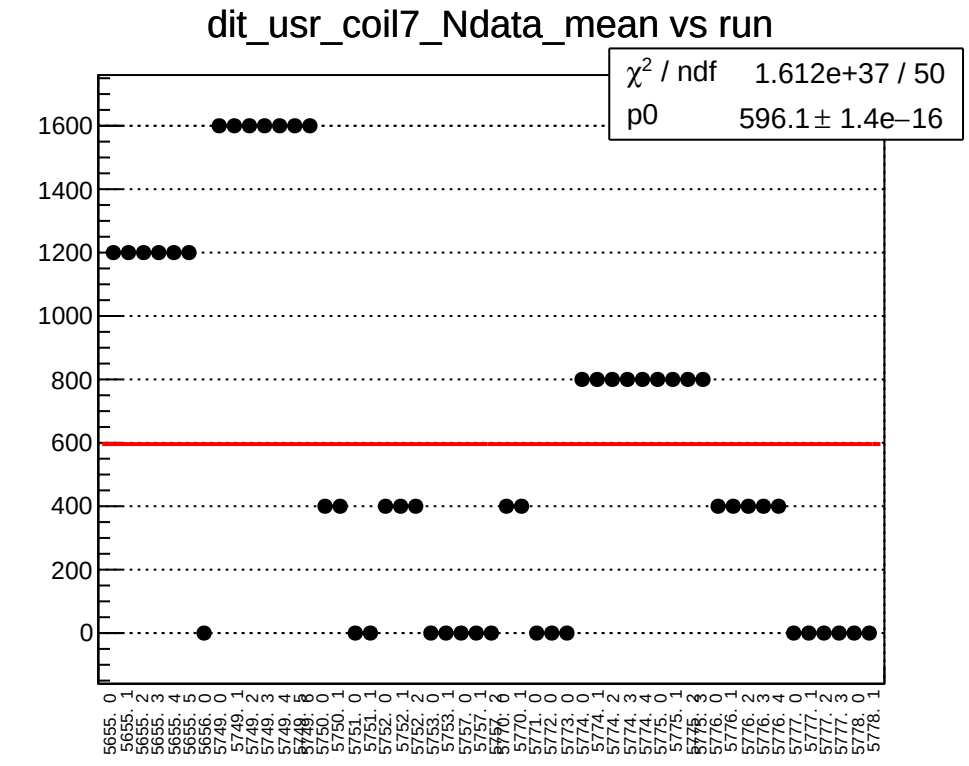

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

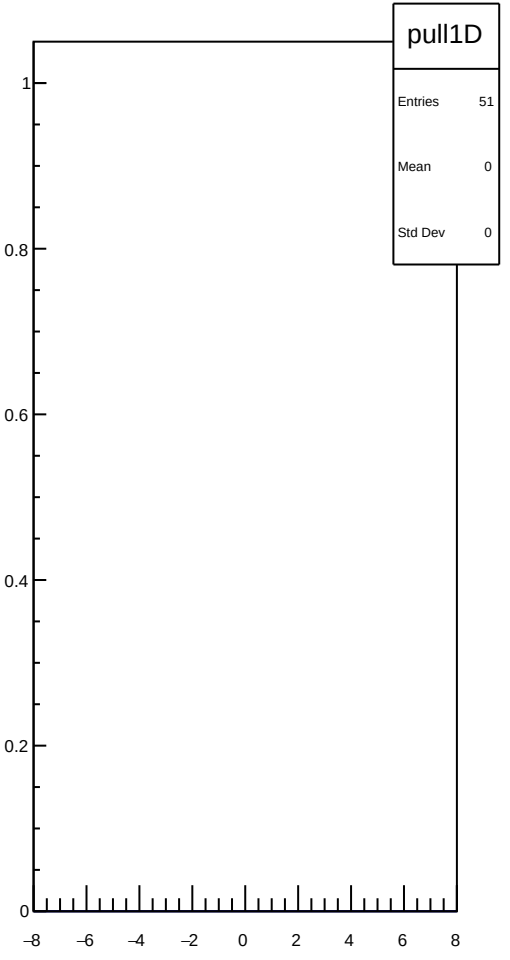

dit_usr_coil7_mean vs run
χ² / ndf inf / 50
p0 2.189e+04 ± 1.4e−16
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean −1.468e+08
Std Dev 1.468e+08
×10¹⁸
20
15
10
5
0
−5
−10
−15
−20

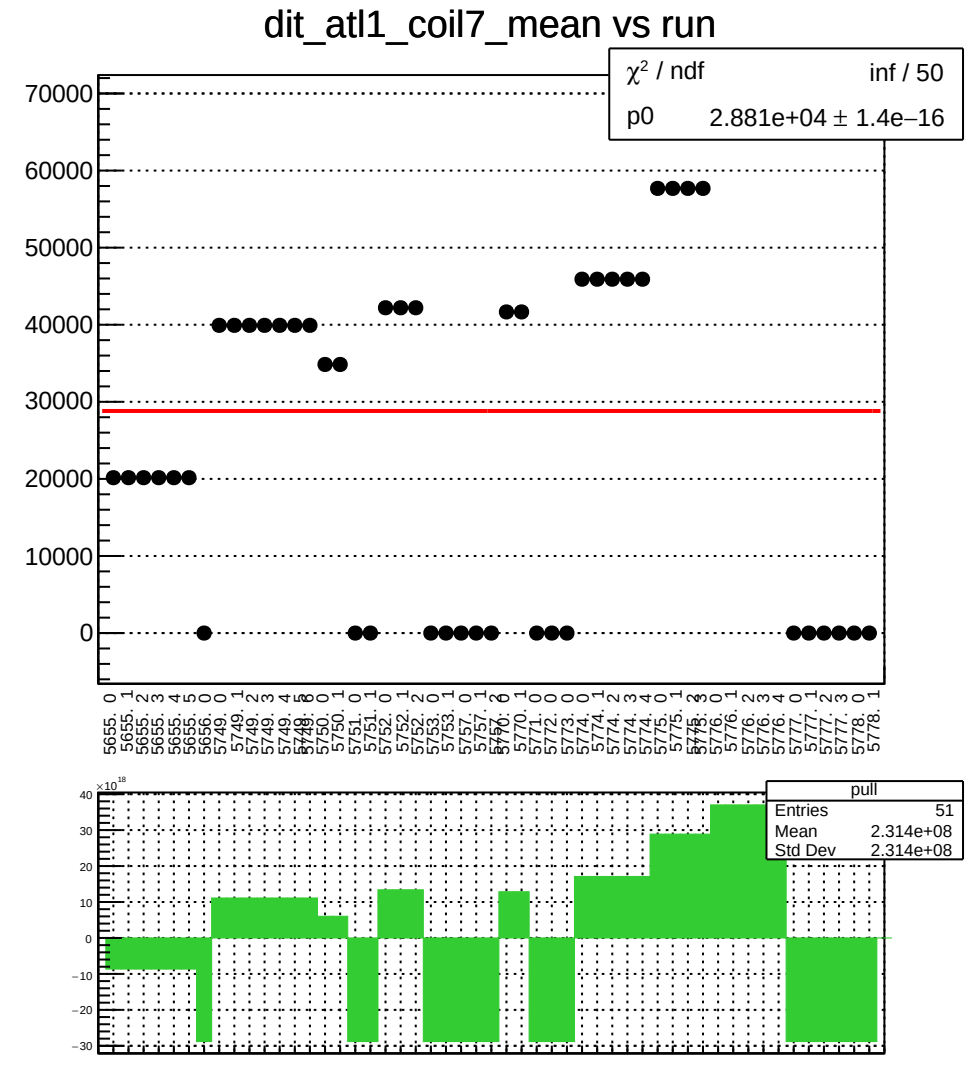

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

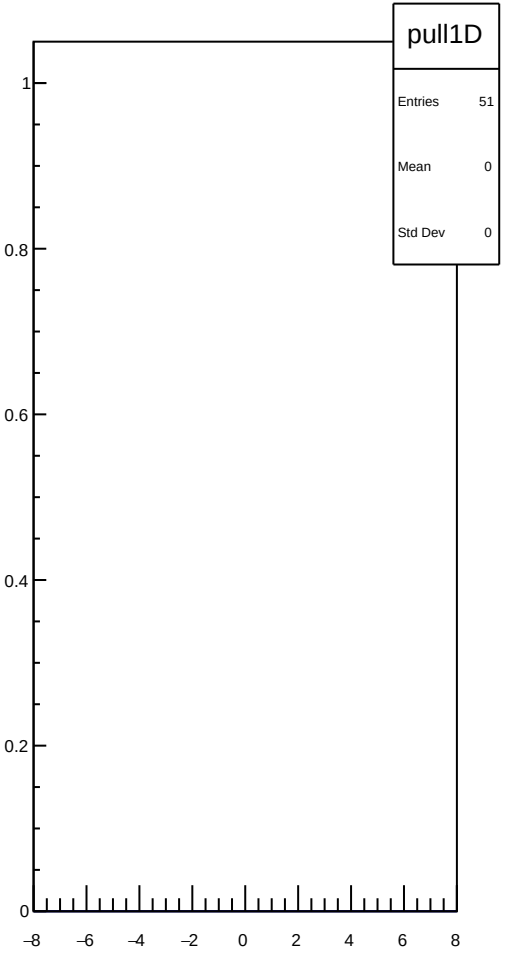

dit_usr_coil7_err_mean vs run
χ² / ndf 8.995e+36 / 50
p0 565.4 ± 1.4e–16
pull
Entries 51
Mean –8.543e+07
Std Dev 8.543e+07

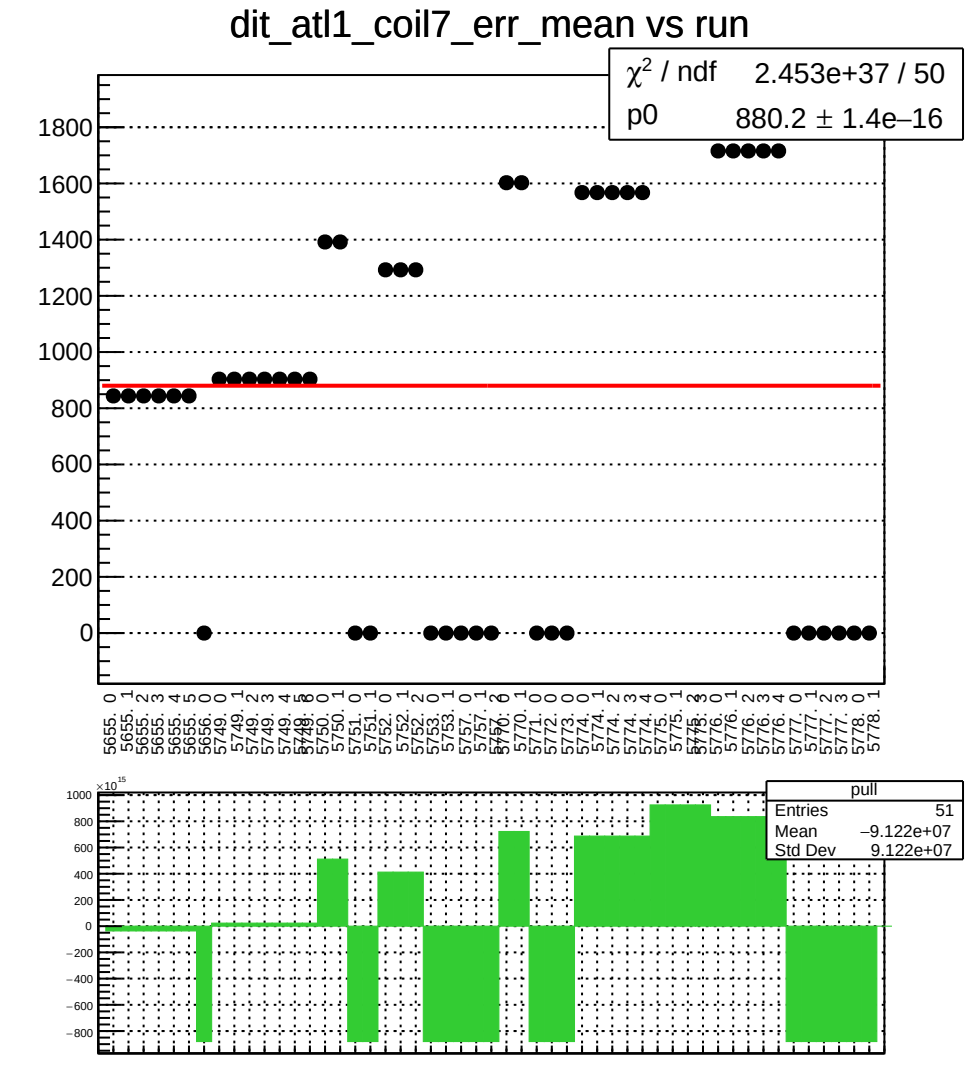

pull1D
Entries 51
Mean 0
Std Dev 0

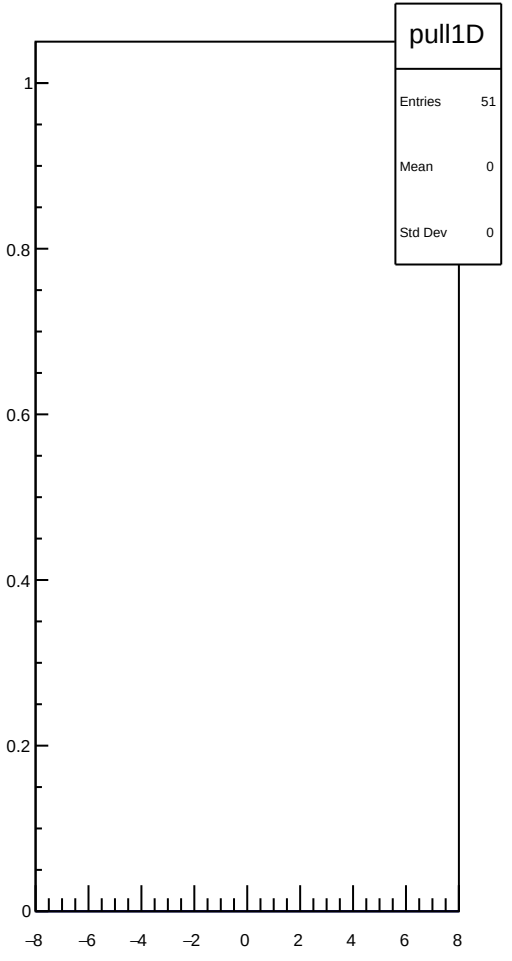

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600

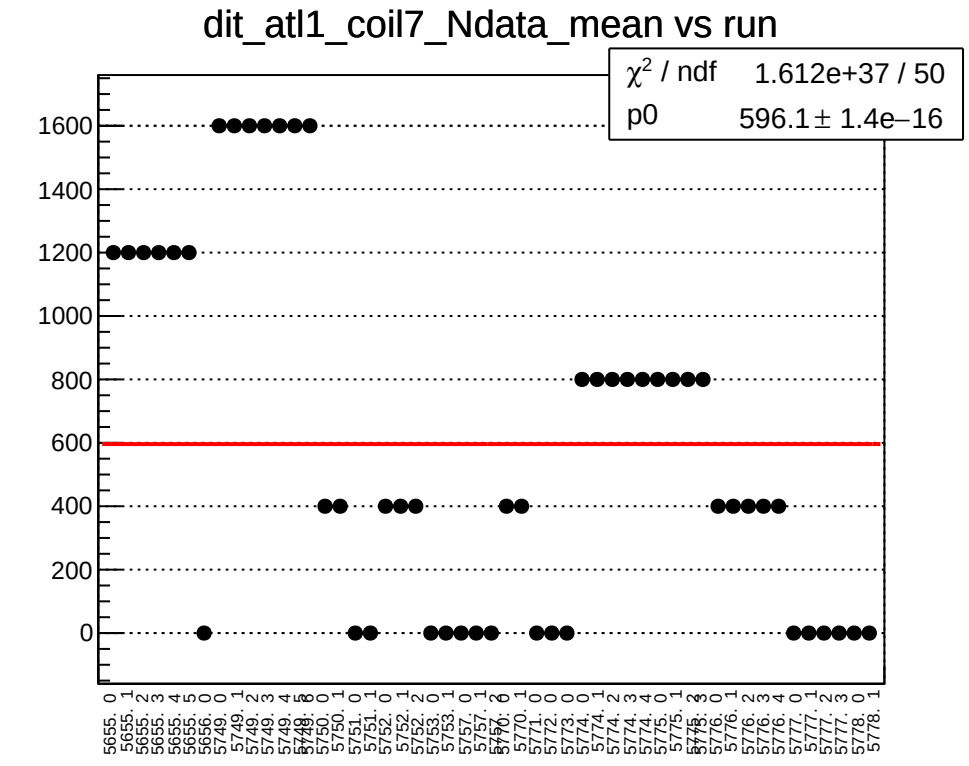

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

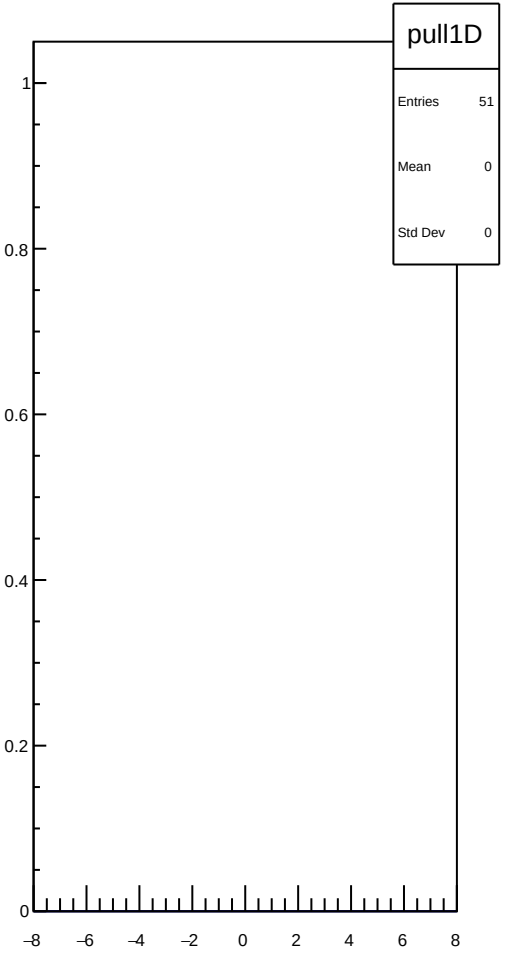

dit_atl1_coil7_mean vs run
χ² / ndf inf / 50
p0 2.881e+04 ± 1.4e−16
pull
Entries 51
Mean 2.314e+08
Std Dev 2.314e+08

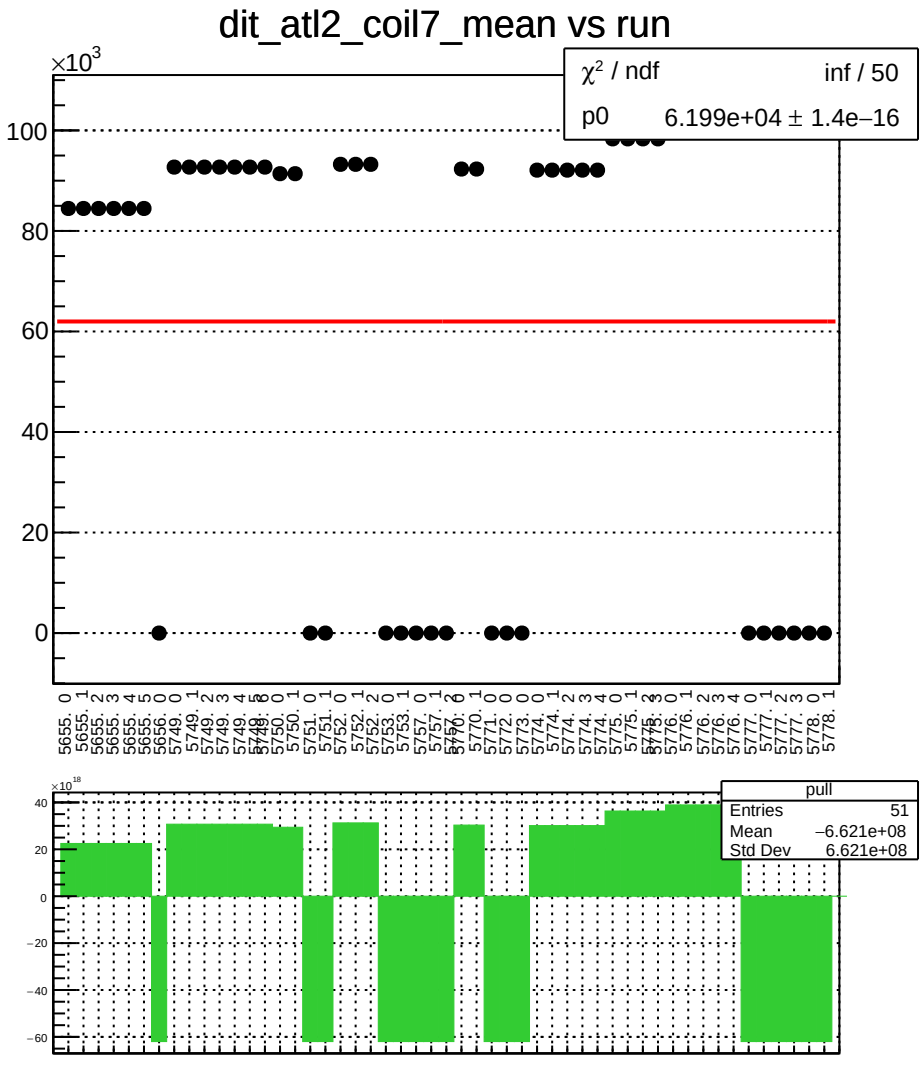

pull1D
Entries 51
Mean 0
Std Dev 0

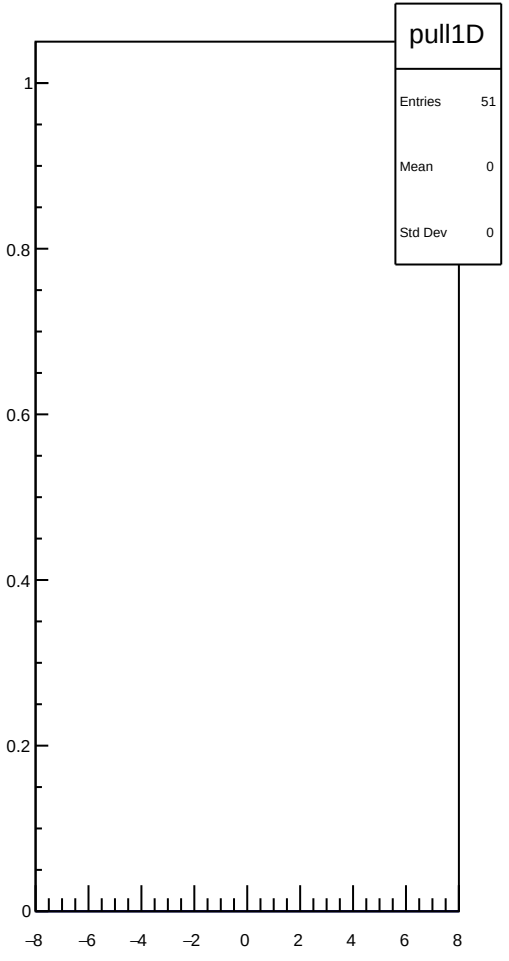

dit_atl1_coil7_err_mean vs run
χ² / ndf 2.453e+37 / 50
p0 880.2 ± 1.4e–16
pull
Entries 51
Mean –9.122e+07
Std Dev 9.122e+07

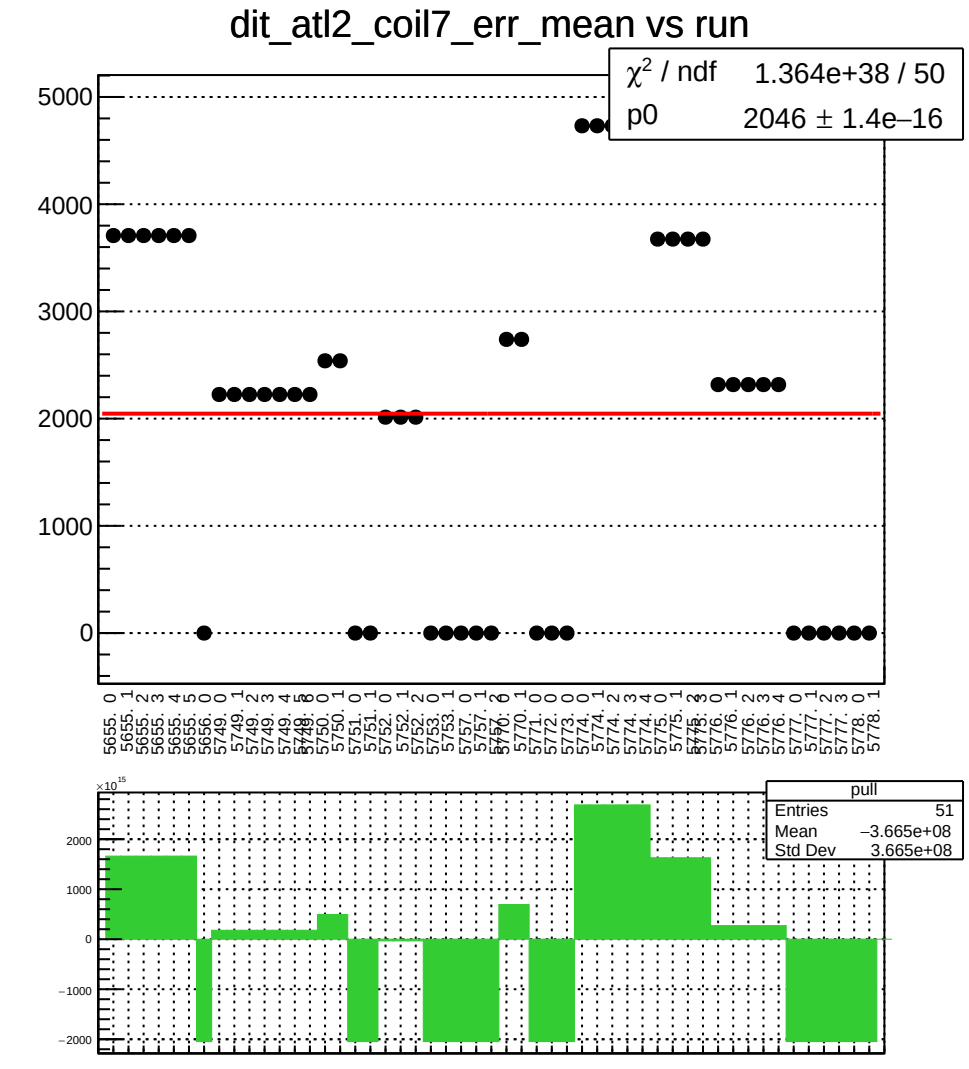

pull1D
Entries 51
Mean 0
Std Dev 0

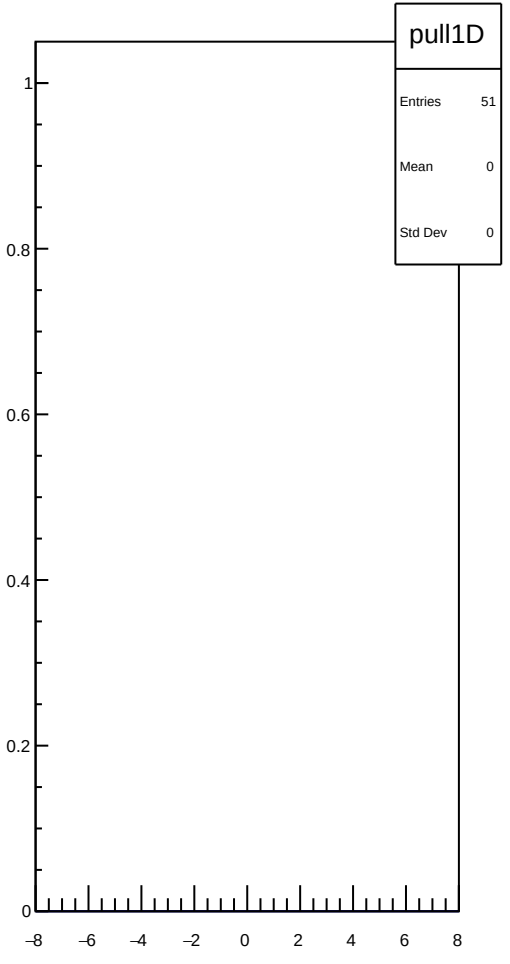

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

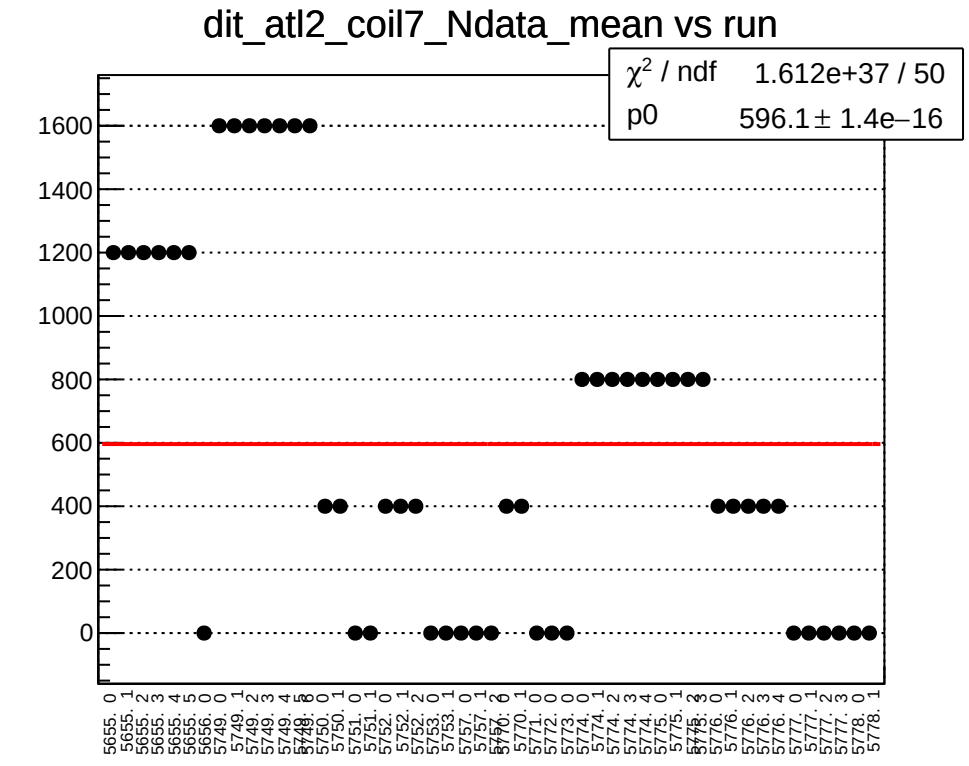

pull1D
Entries 51
Mean 0
Std Dev 0

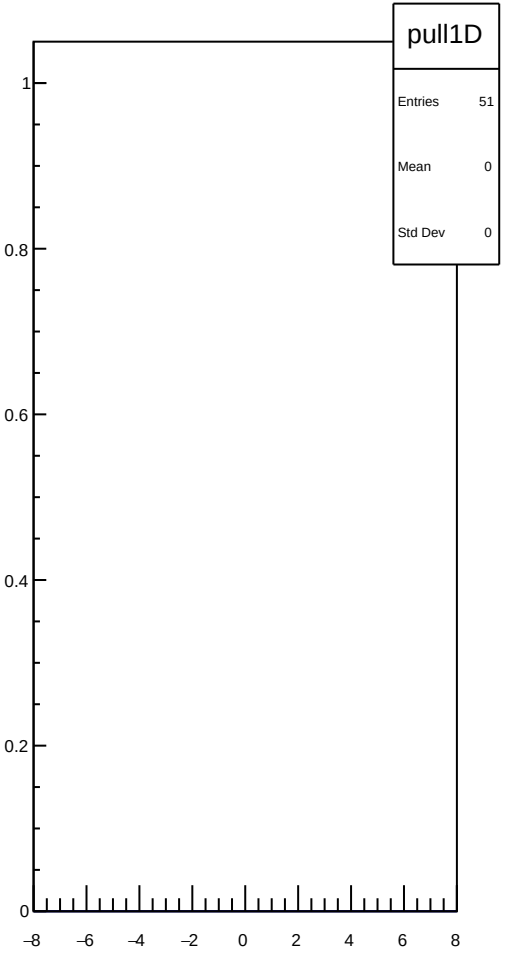

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 50
p0 6.199e+04 ± 1.4e−16
100
80
60
40
20
0
×10^18
pull
Entries 51
Mean −6.621e+08
Std Dev 6.621e+08
40
20
0
−20
−40
−60

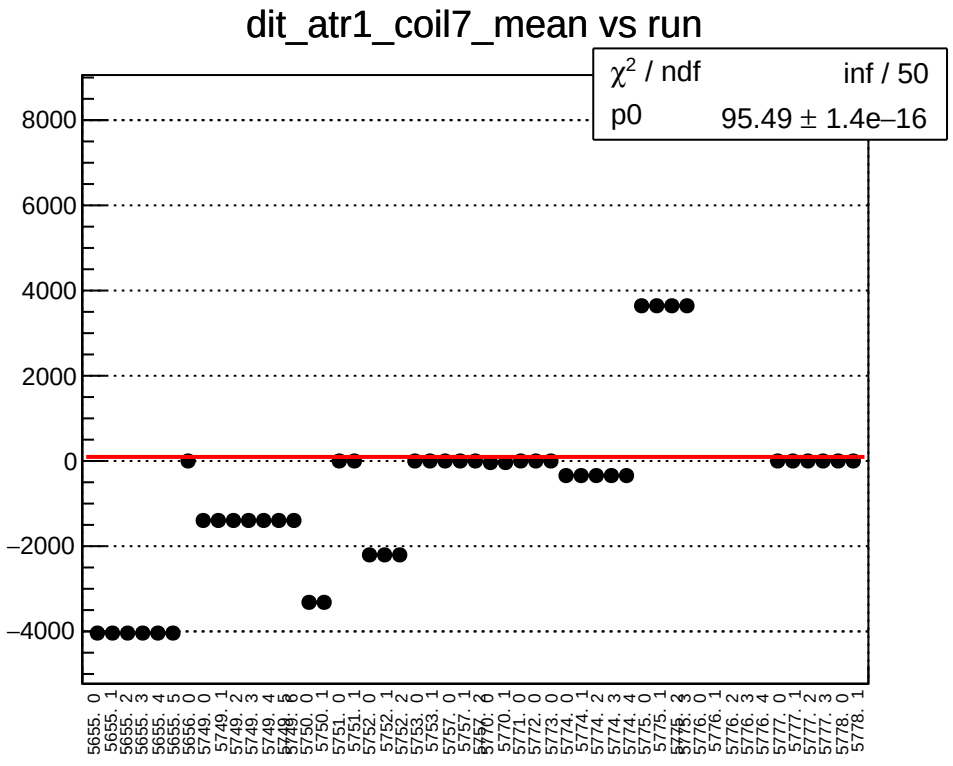

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

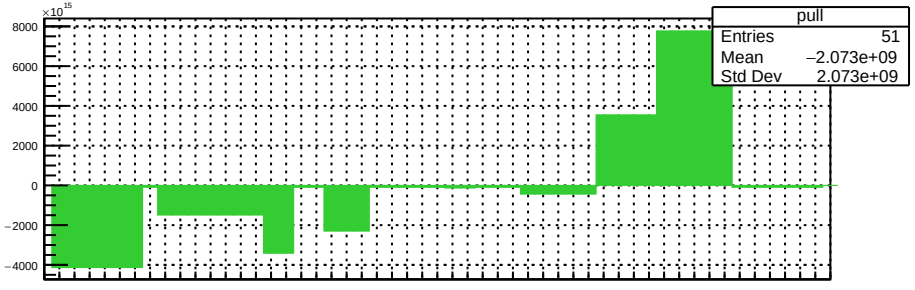

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.364e+38 / 50
p0 2046 ± 1.4e−16
pull
Entries 51
Mean −3.665e+08
Std Dev 3.665e+08

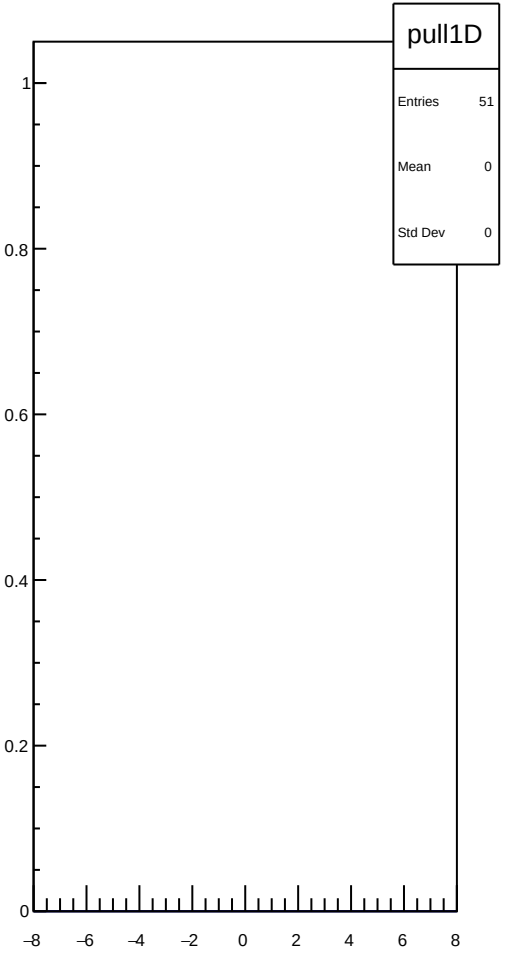

pull1D
Entries 51
Mean 0
Std Dev 0

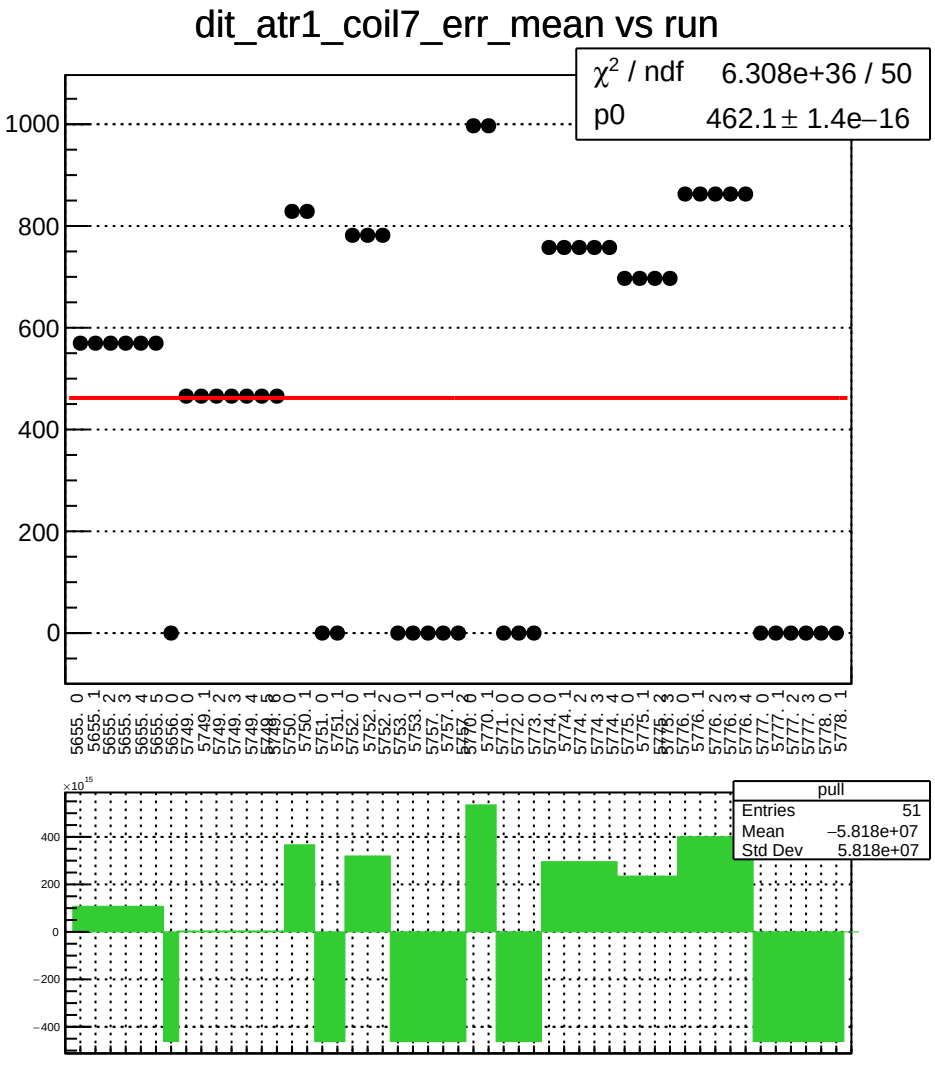

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

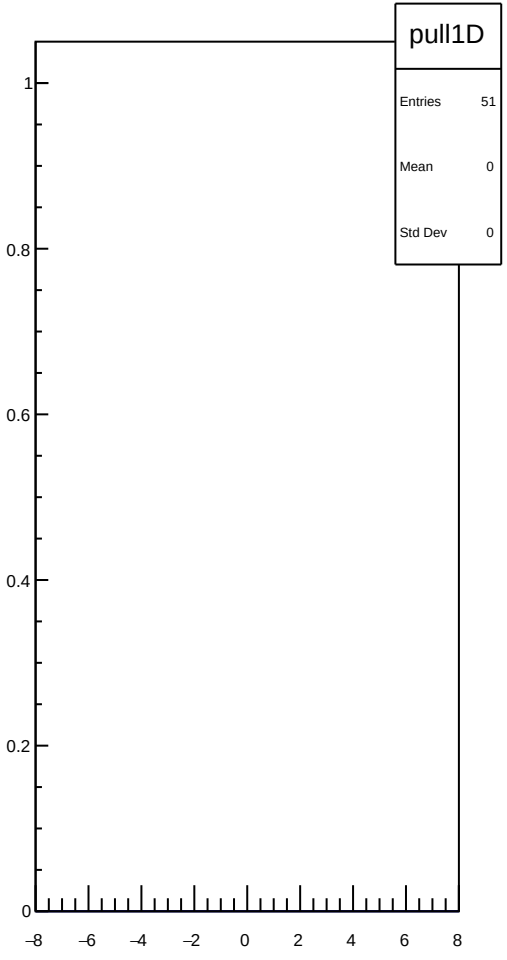

pull1D
Entries 51
Mean 0
Std Dev 0

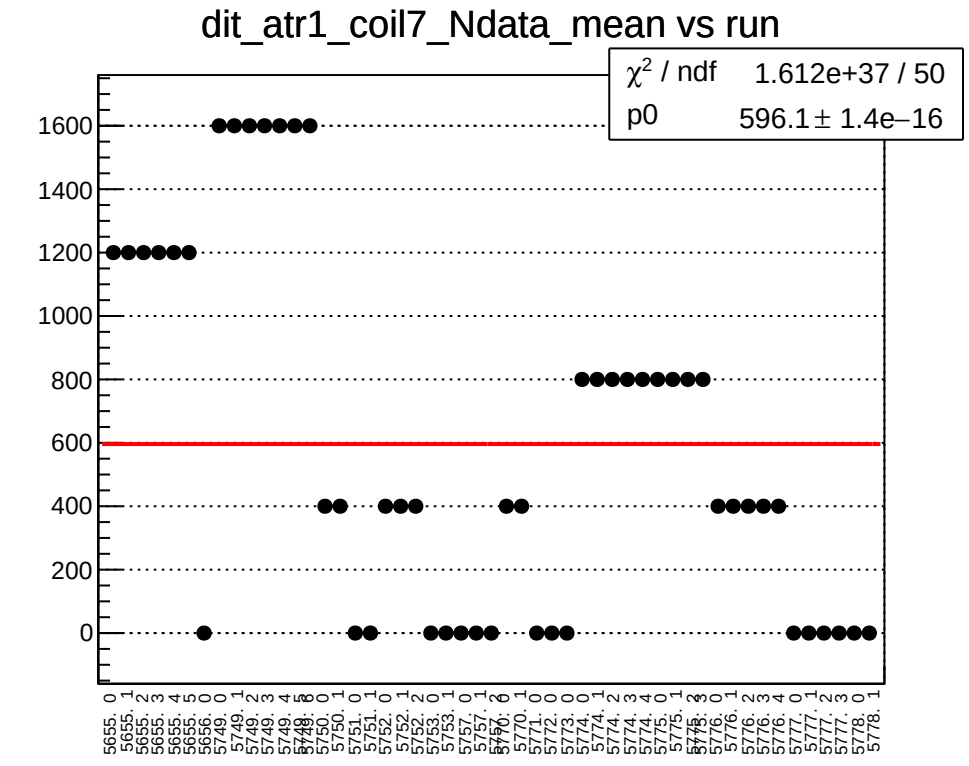

dit_atr1_coil7_mean vs run
χ² / ndf inf / 50
p0 95.49 ± 1.4e–16
8000
6000
4000
2000
0
–2000
–4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

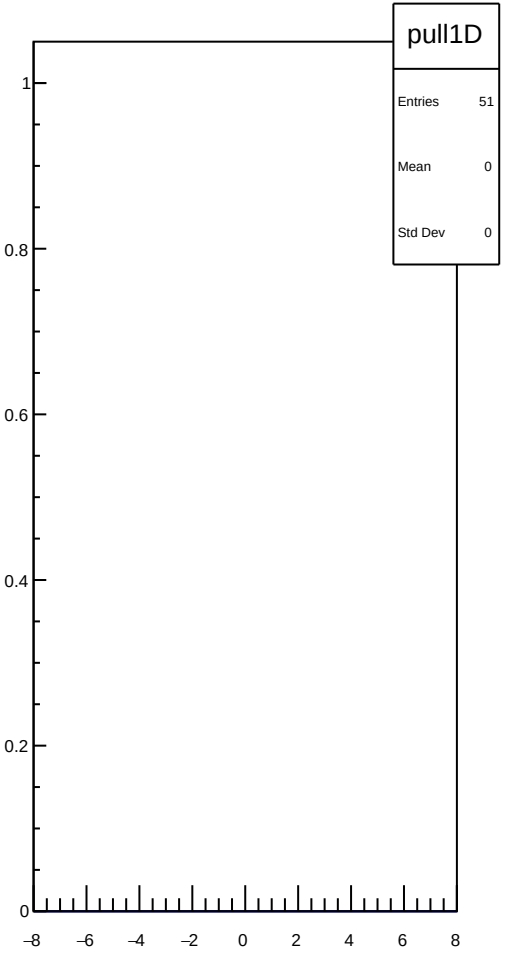

×10¹⁵
8000
6000
4000
2000
0
–2000
–4000
pull
Entries 51
Mean –2.073e+09
Std Dev 2.073e+09

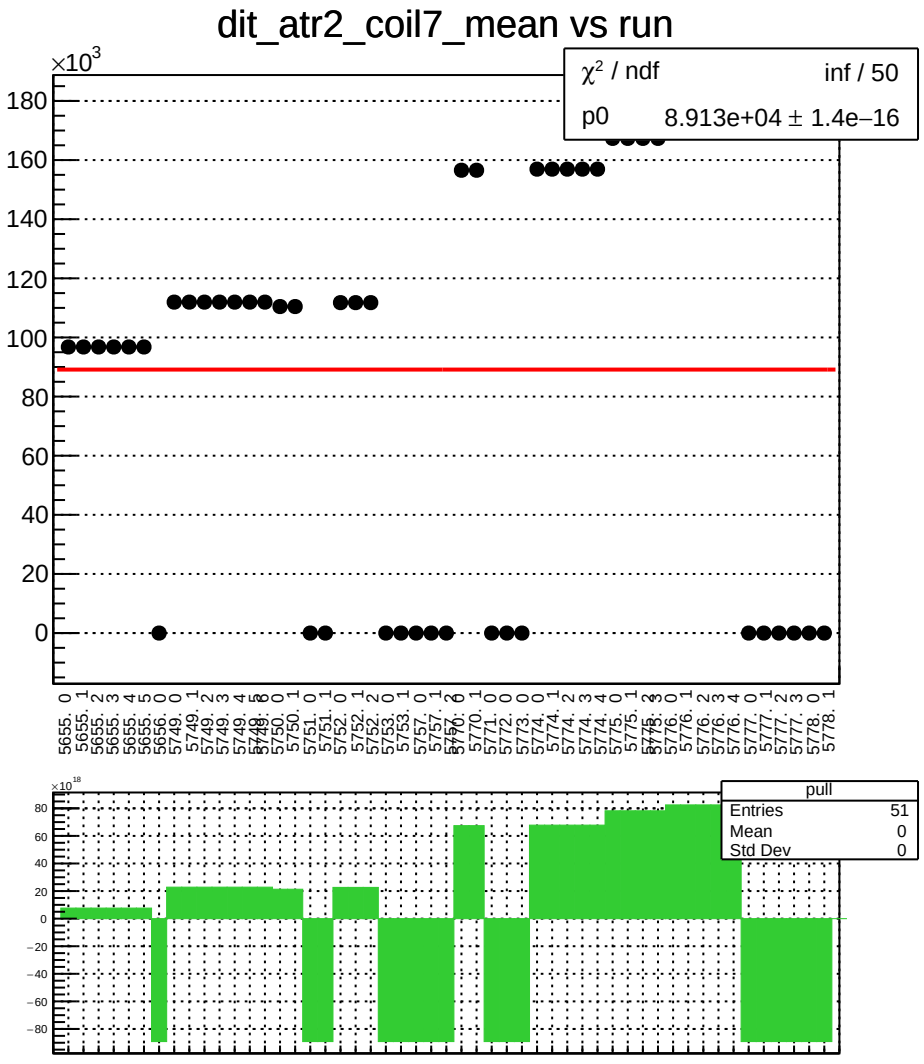

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

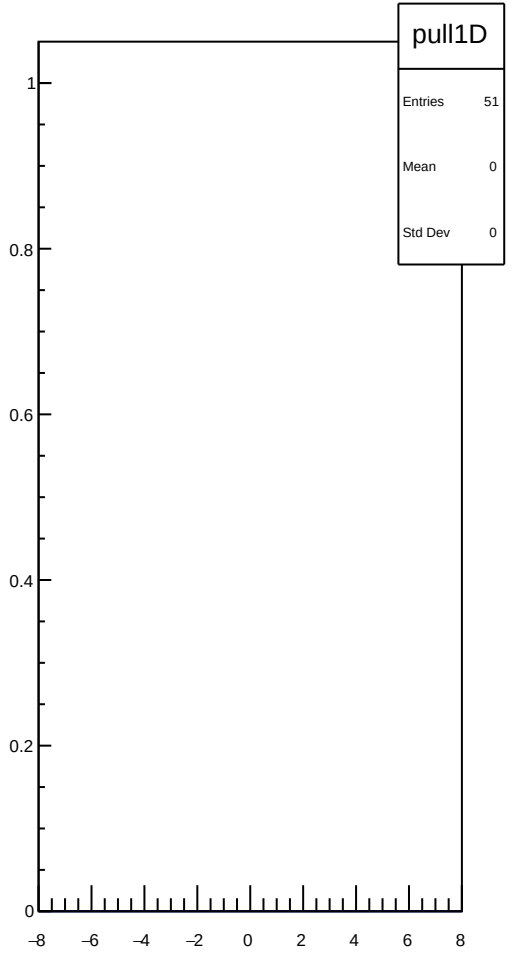

dit_atr1_coil7_err_mean vs run
χ² / ndf 6.308e+36 / 50
p0 462.1 ± 1.4e−16
1000
800
600
400
200
0
pull
Entries 51
Mean −5.818e+07
Std Dev 5.818e+07
×10¹⁵
400
200
0
−200
−400

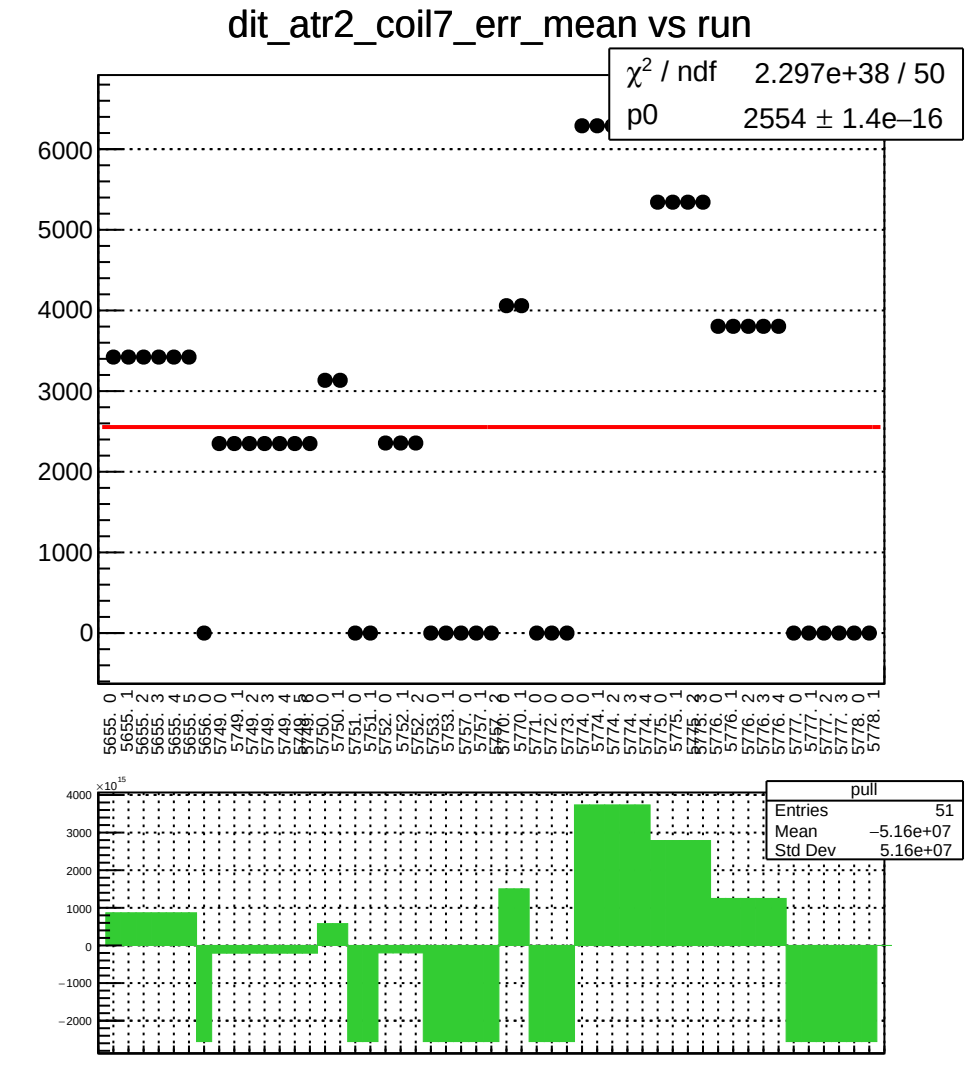

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

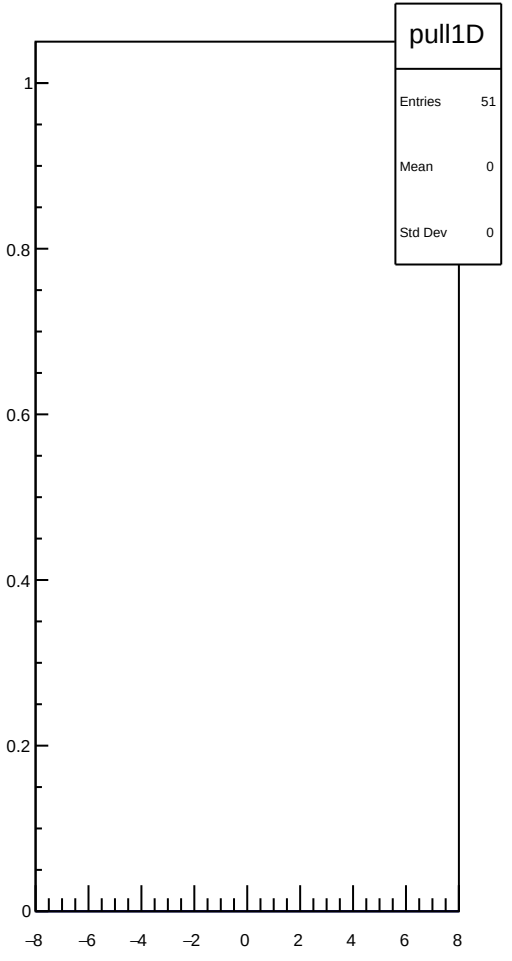

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

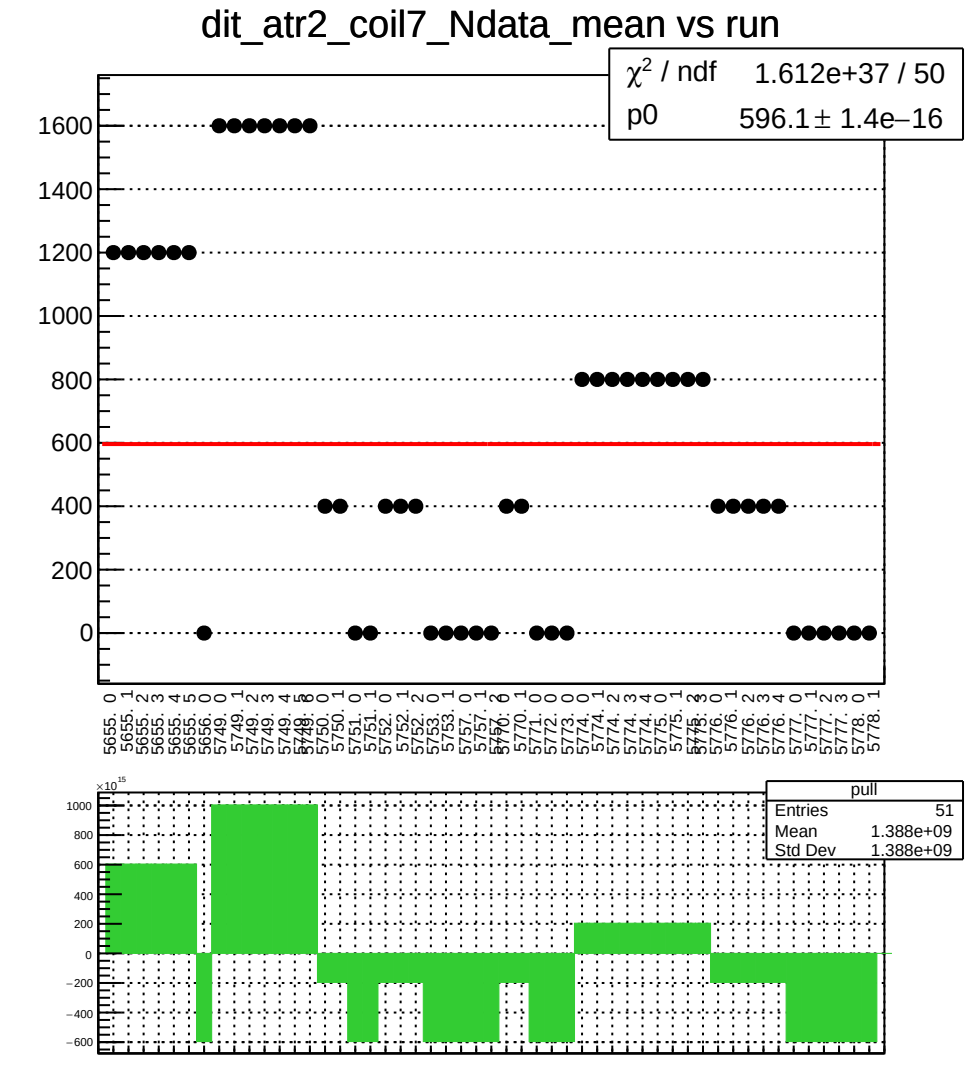

pull1D
Entries 51
Mean 0
Std Dev 0

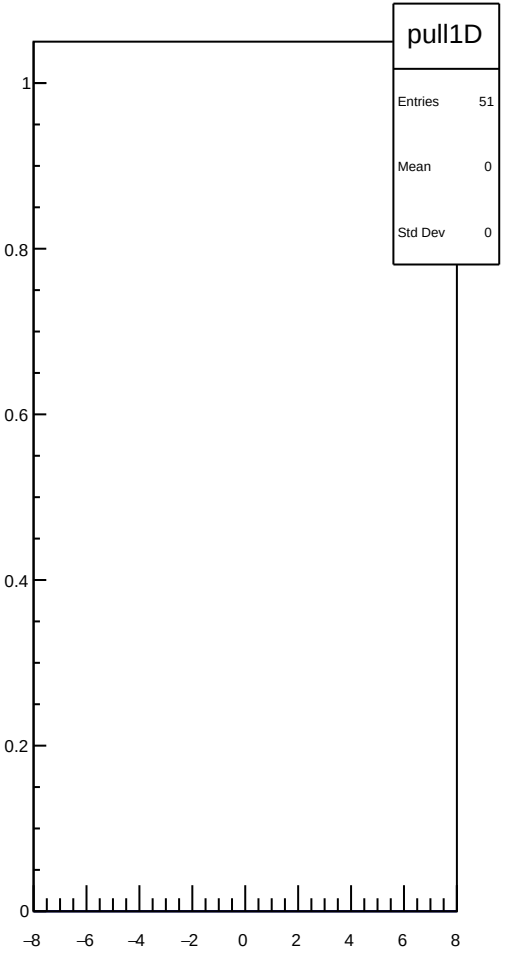

dit_atr2_coil7_mean vs run
χ² / ndf inf / 50
p0 8.913e+04 ± 1.4e−16
×10³
pull
Entries 51
Mean 0
Std Dev 0
×10¹⁸

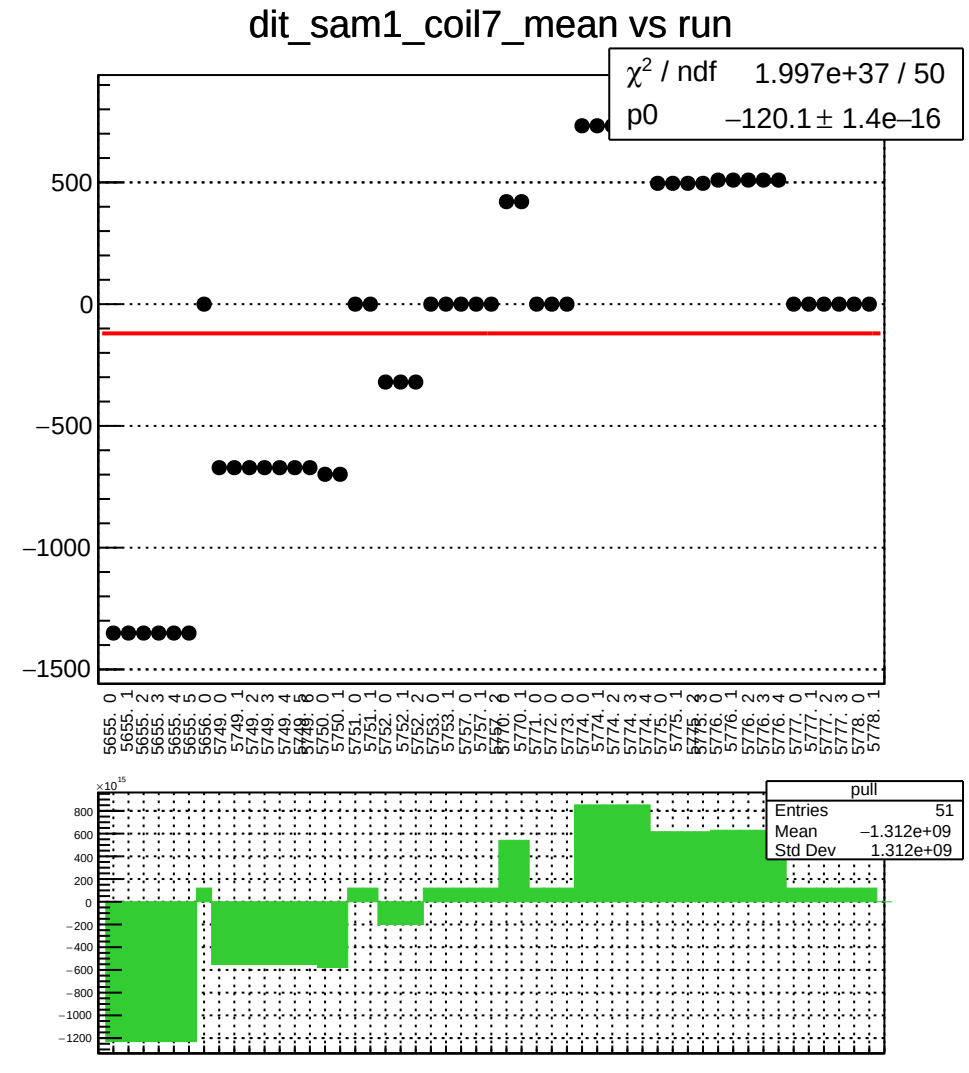

pull1D
Entries 51
Mean 0
Std Dev 0

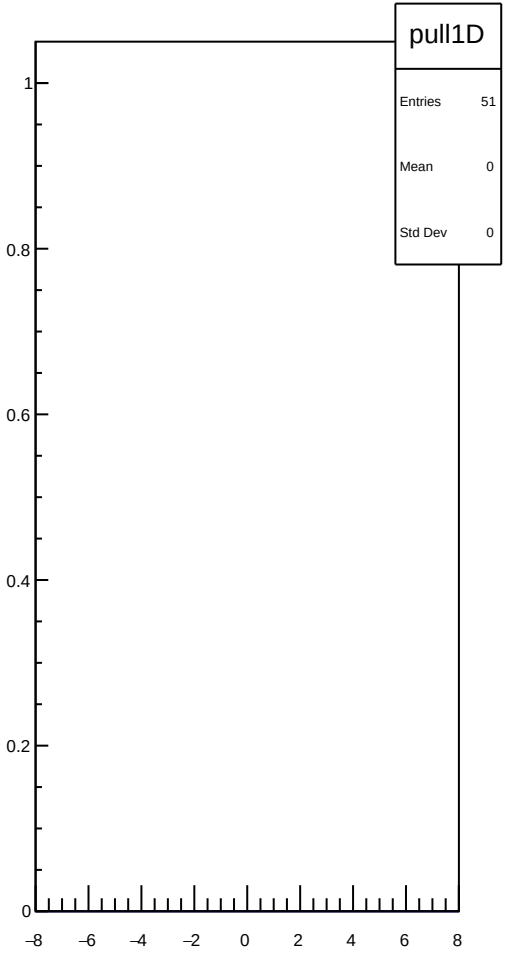

dit_atr2_coil7_err_mean vs run
χ² / ndf 2.297e+38 / 50
p0 2554 ± 1.4e–16
6000
5000
4000
3000
2000
1000
0
pull
Entries 51
Mean –5.16e+07
Std Dev 5.16e+07

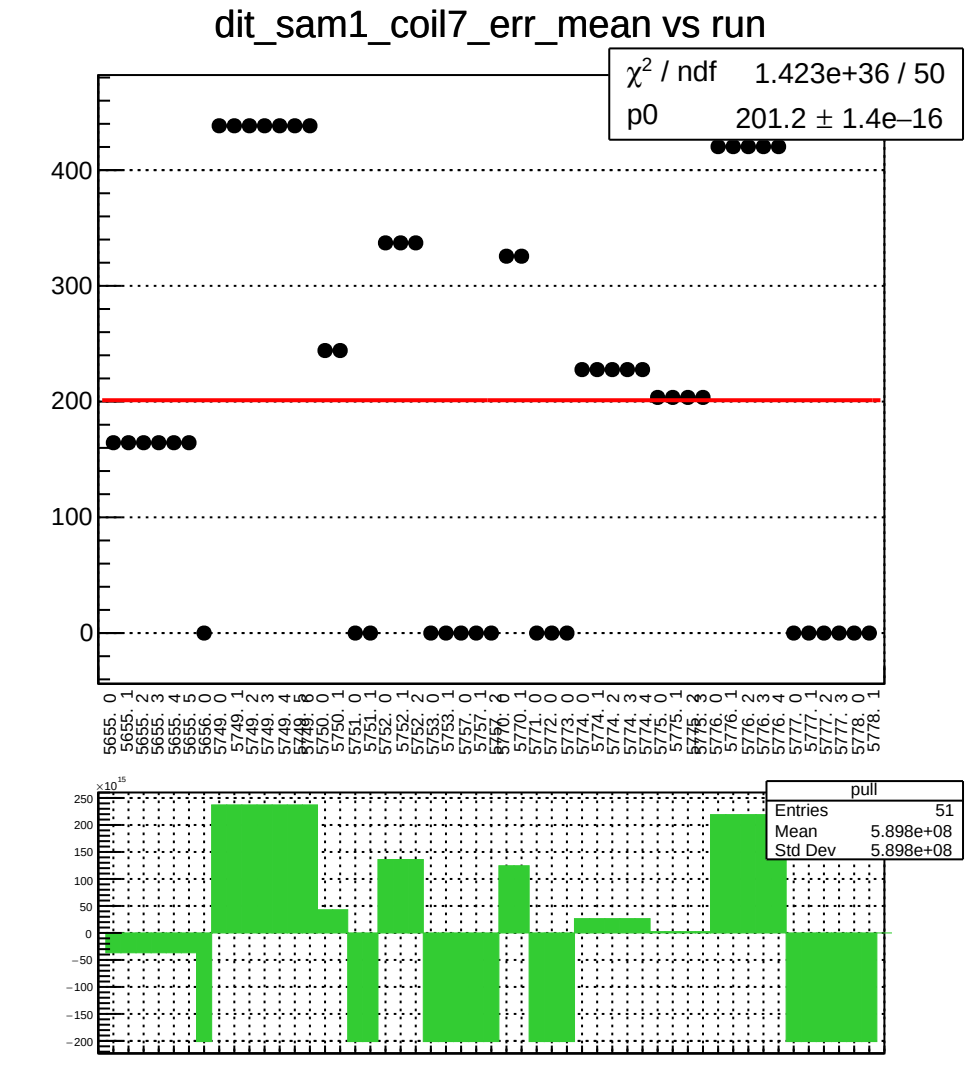

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

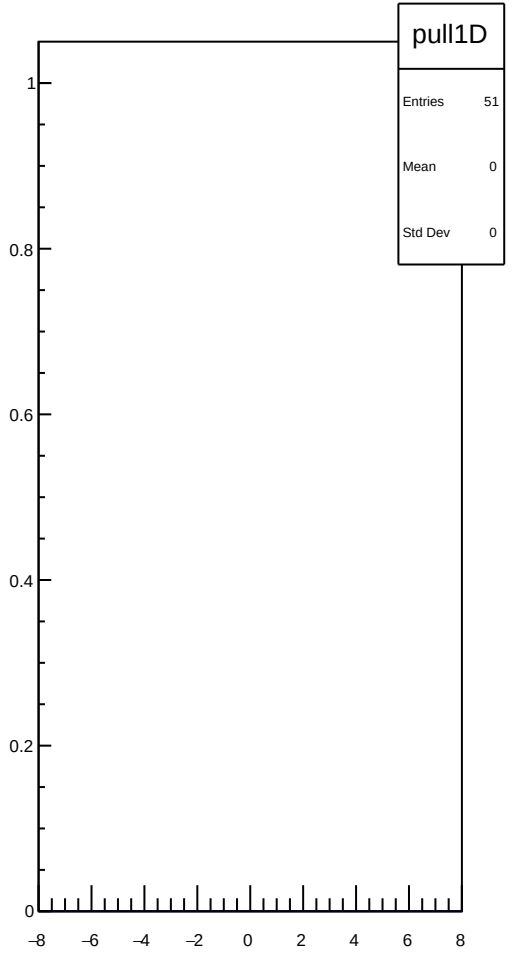

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

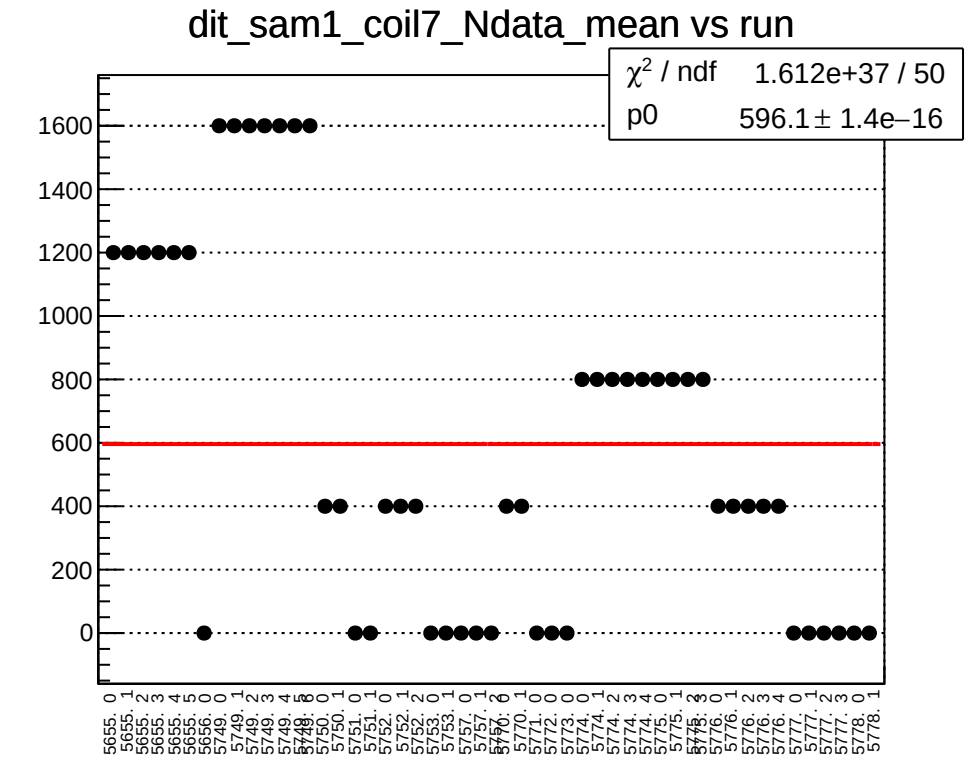

pull1D
Entries 51
Mean 0
Std Dev 0

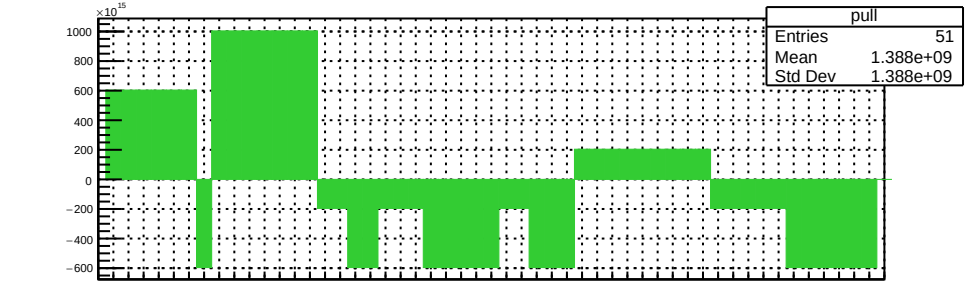

dit_sam1_coil7_mean vs run
χ² / ndf 1.997e+37 / 50
p0 −120.1 ± 1.4e−16
500
0
−500
−1000
−1500
pull
Entries 51
Mean −1.312e+09
Std Dev 1.312e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

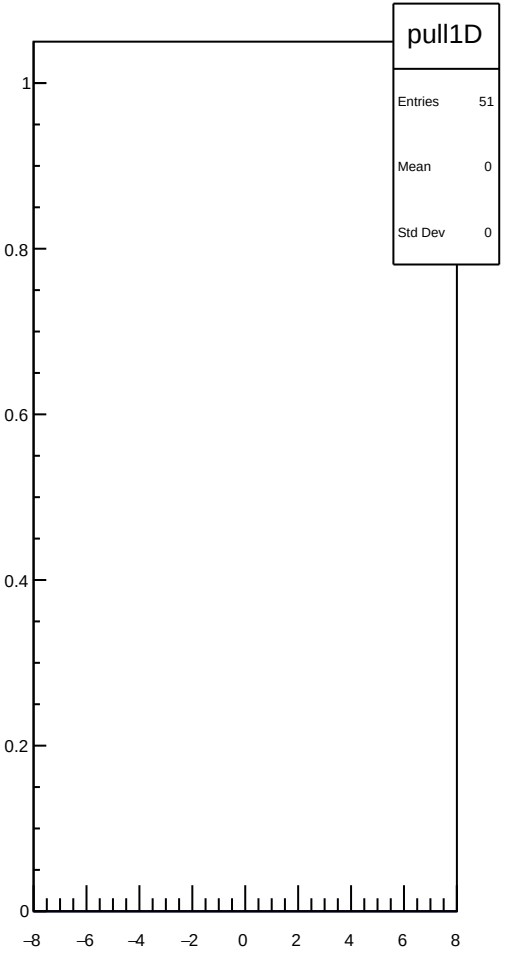

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

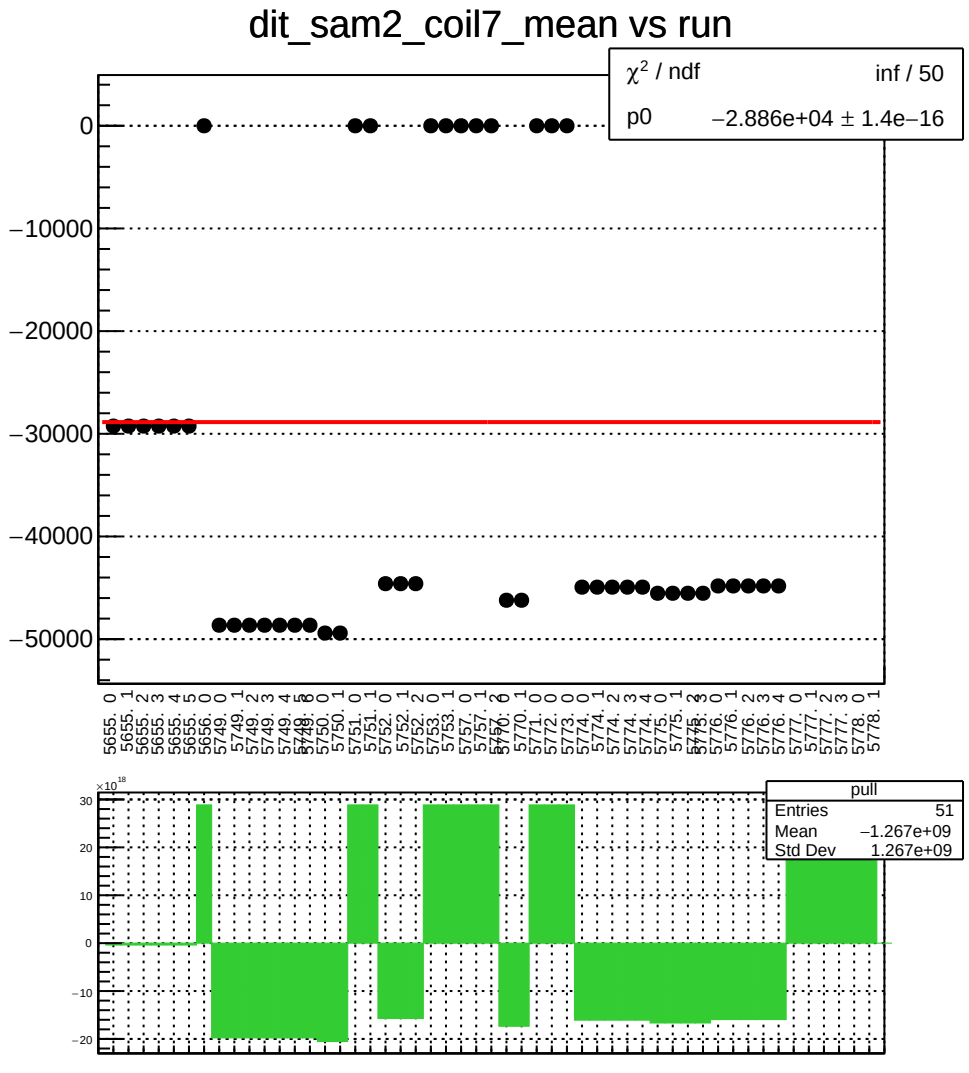

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.423e+36 / 50
p0 201.2 ± 1.4e–16
pull
Entries 51
Mean 5.898e+08
Std Dev 5.898e+08

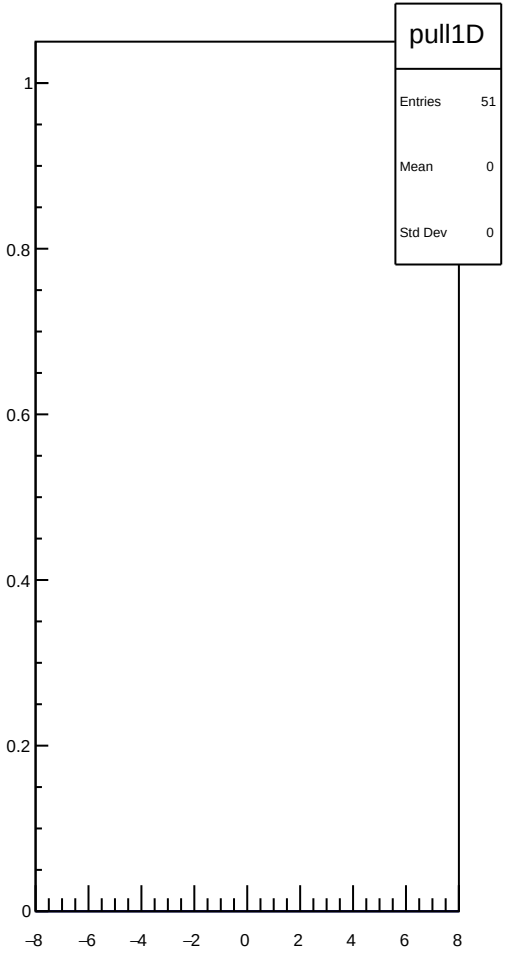

pull1D
Entries 51
Mean 0
Std Dev 0

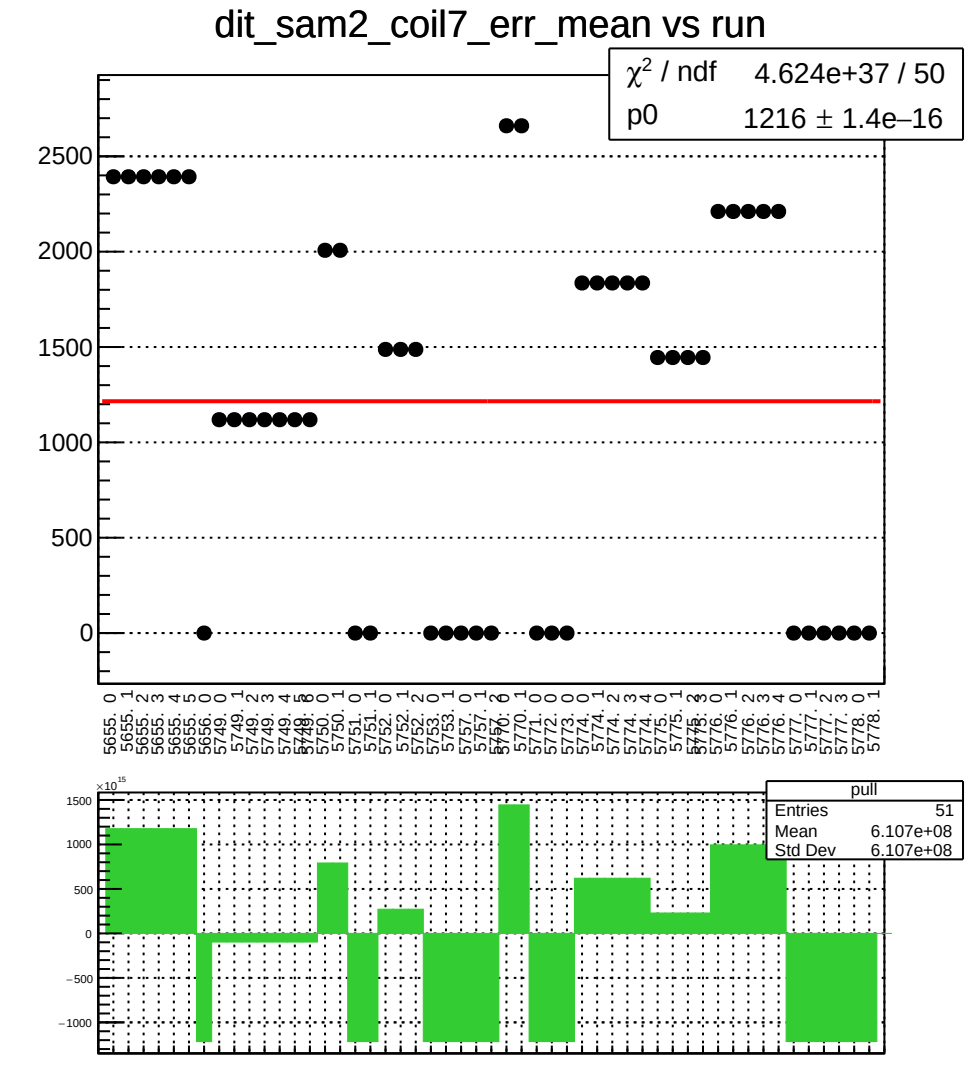

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

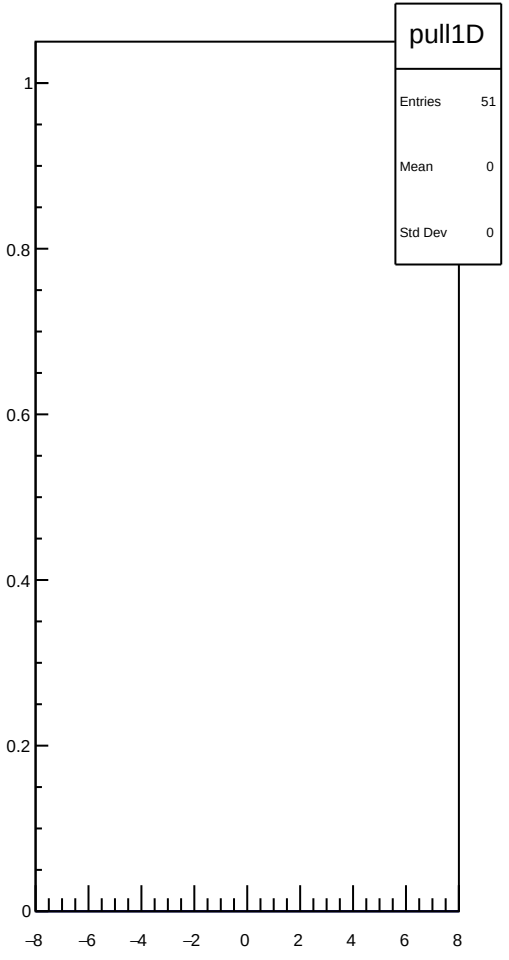

×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

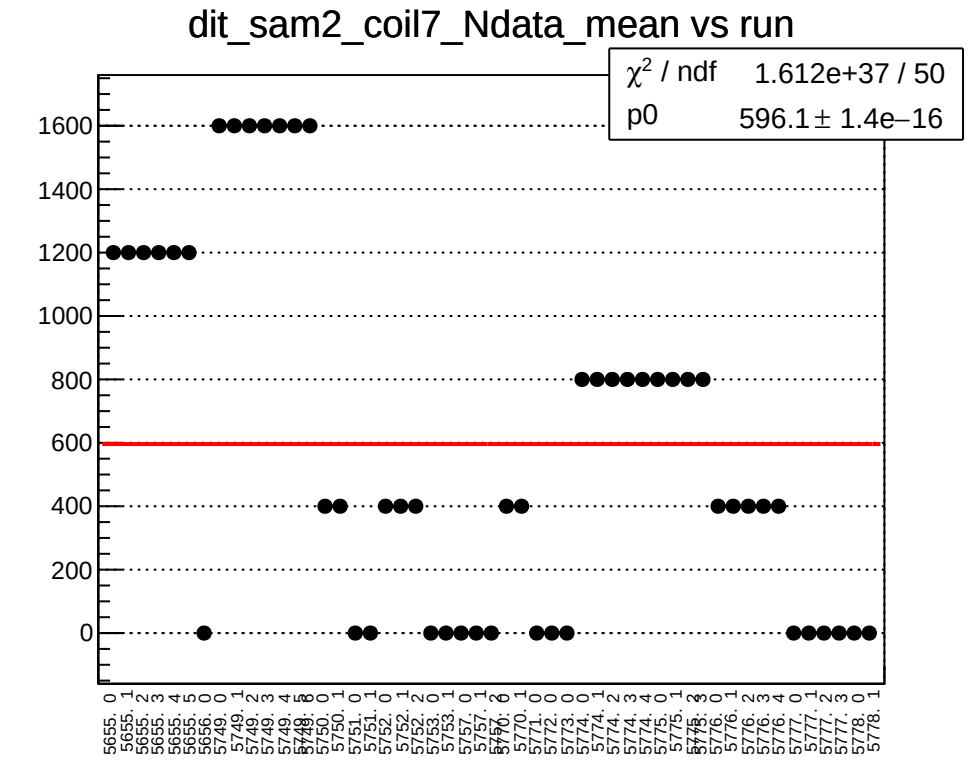

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

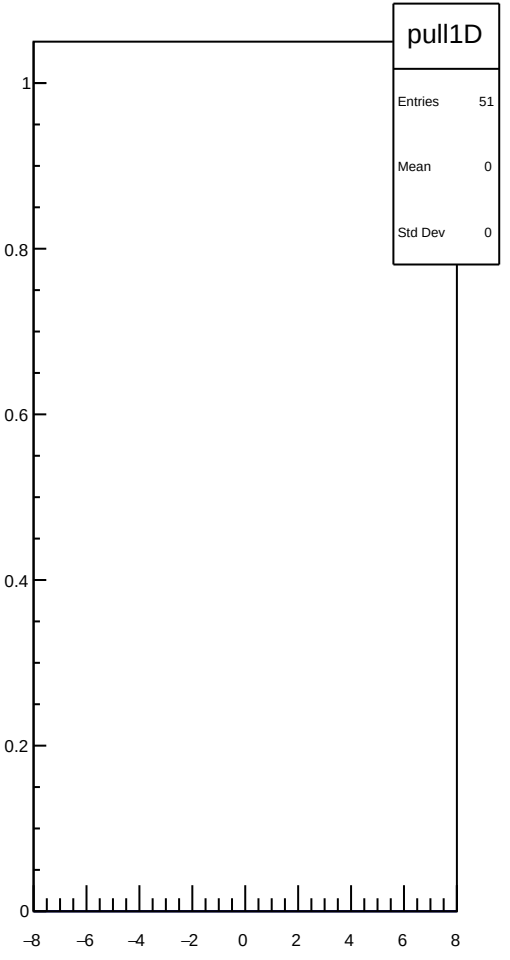

dit_sam2_coil7_mean vs run
χ² / ndf inf / 50
p0 −2.886e+04 ± 1.4e−16
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 51
Mean −1.267e+09
Std Dev 1.267e+09
×10¹⁸
30
20
10
0
−10
−20

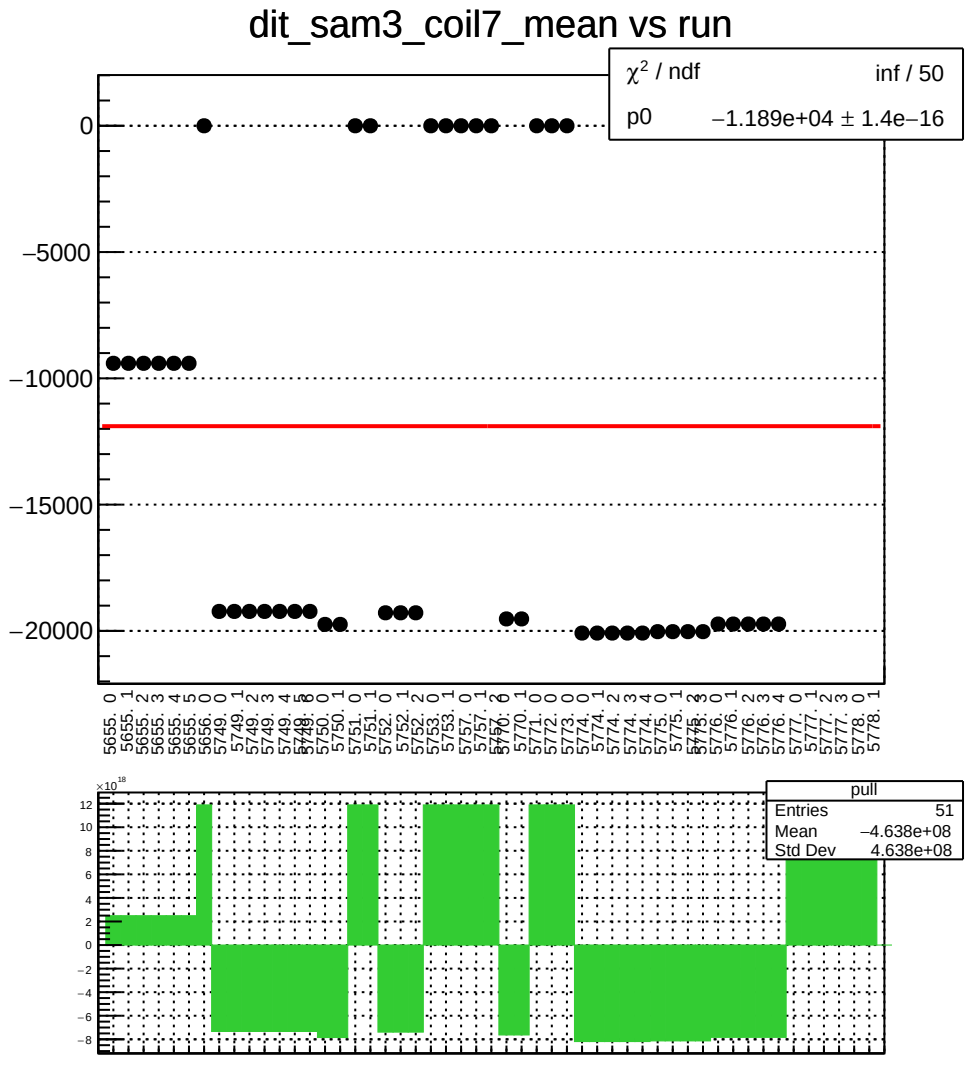

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

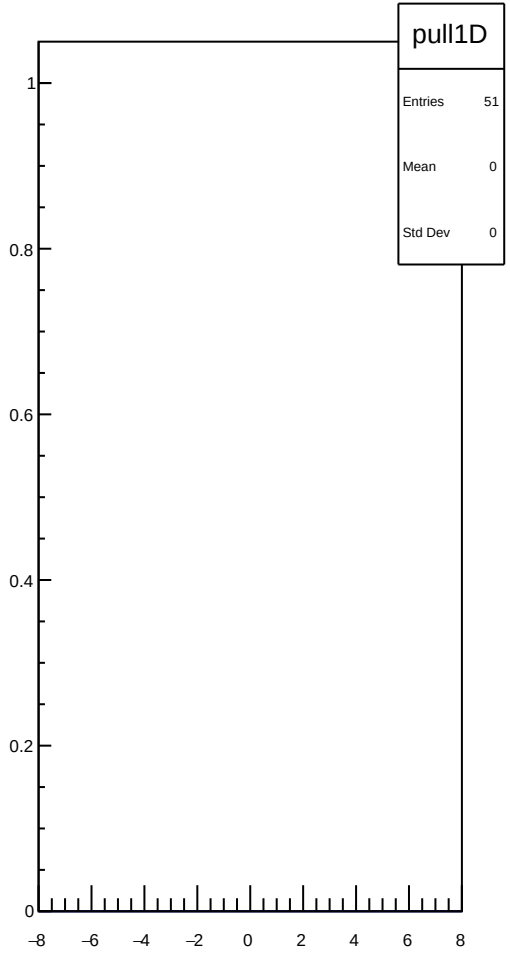

dit_sam2_coil7_err_mean vs run
χ² / ndf 4.624e+37 / 50
p0 1216 ± 1.4e–16
2500
2000
1500
1000
500
0
pull
Entries 51
Mean 6.107e+08
Std Dev 6.107e+08
×10¹⁵
1500
1000
500
0
−500
−1000

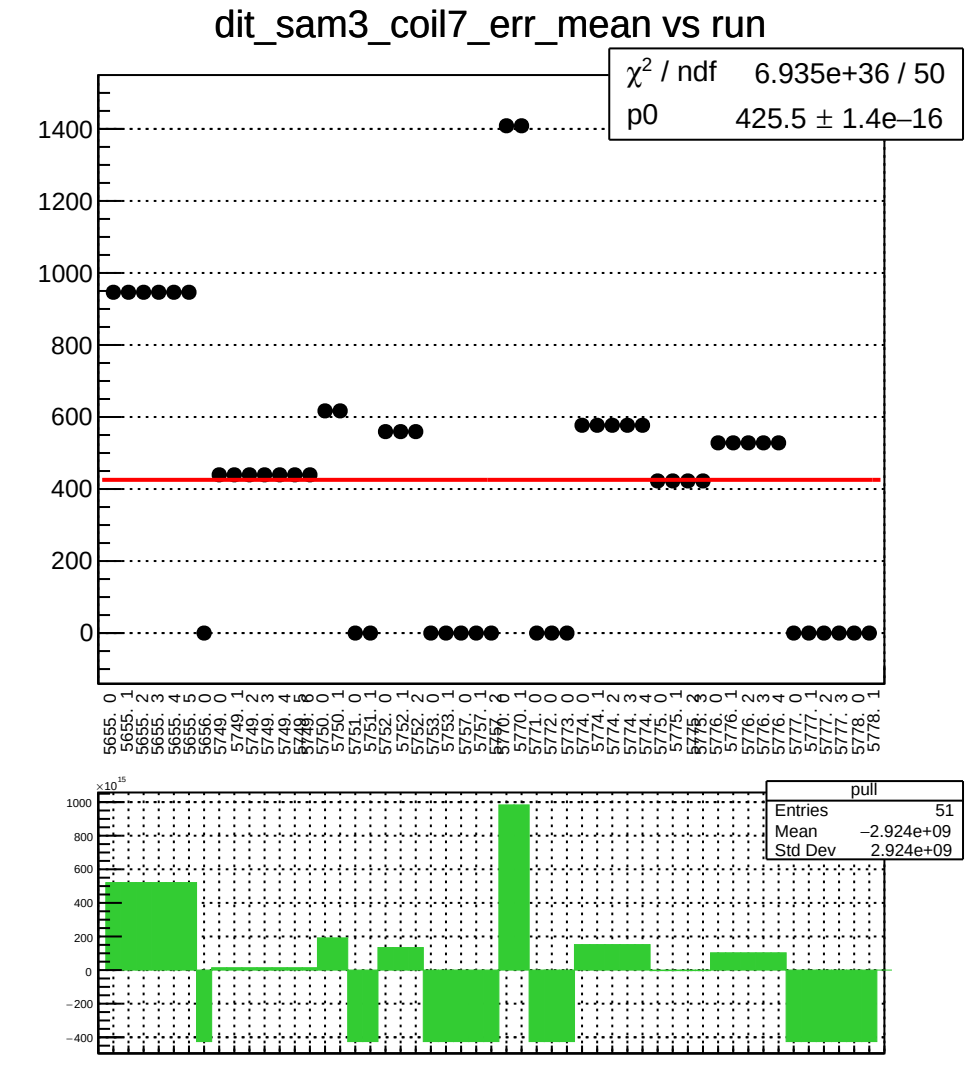

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

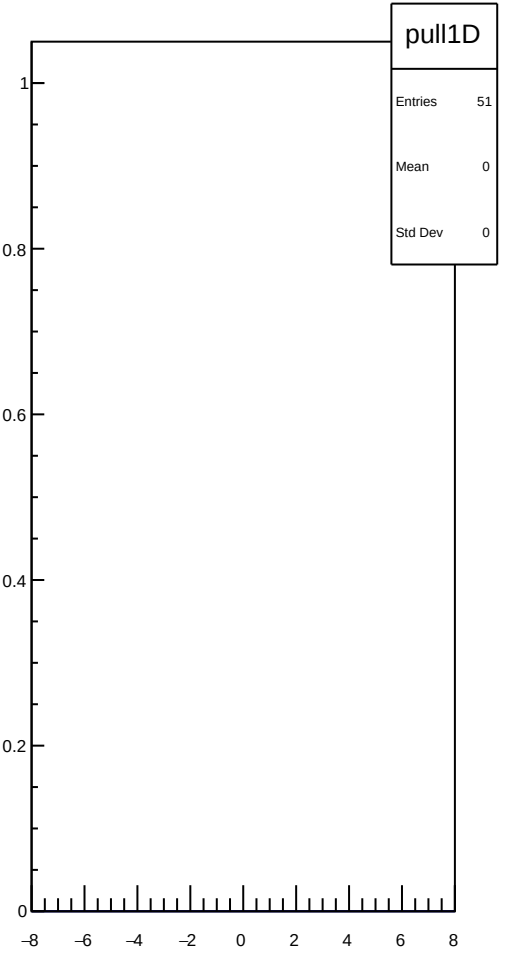

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

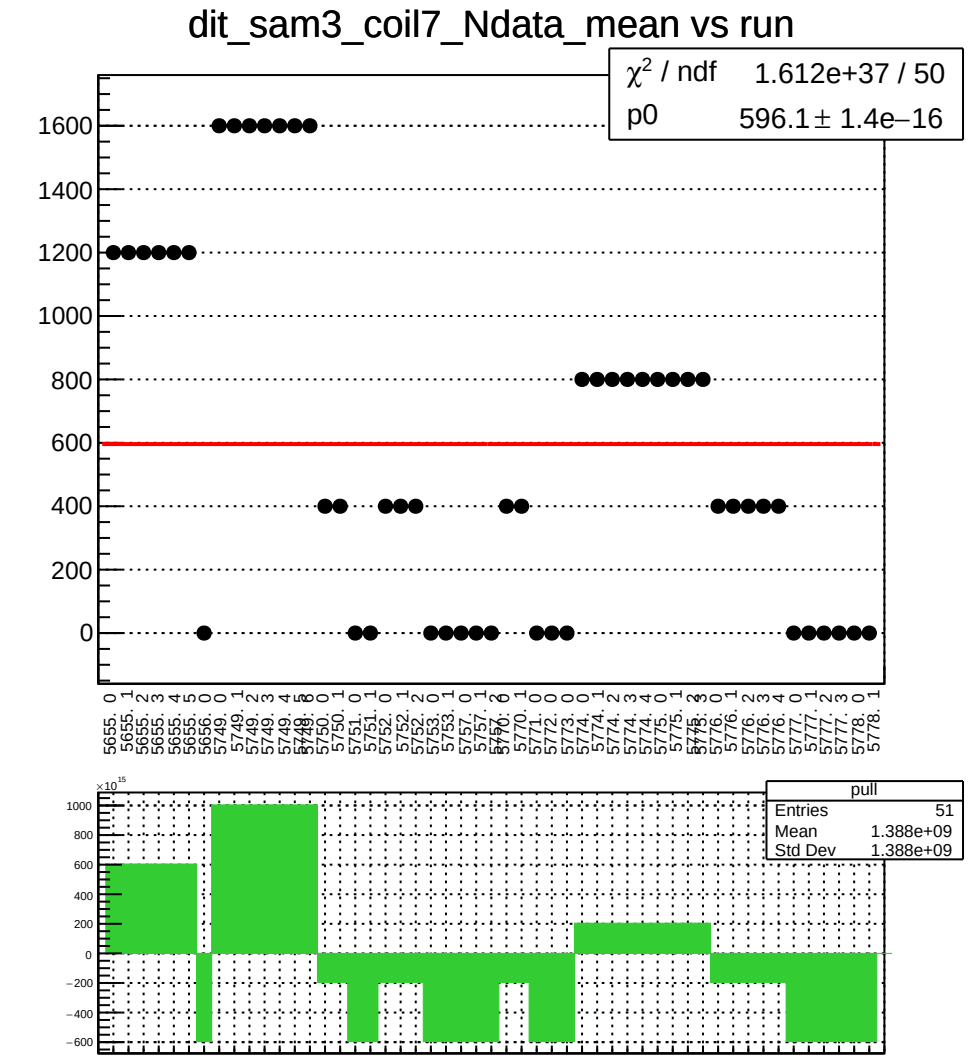

pull1D
Entries 51
Mean 0
Std Dev 0

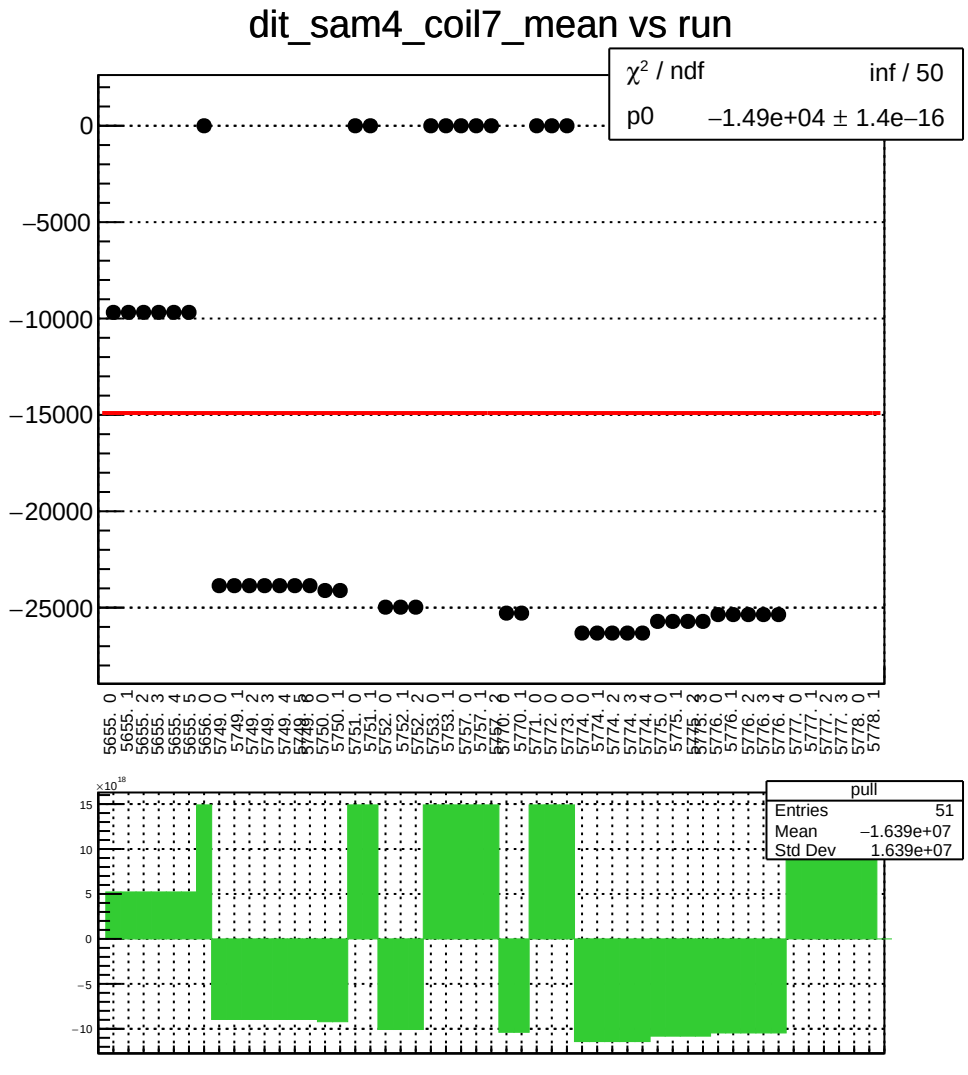

dit_sam3_coil7_mean vs run
χ² / ndf inf / 50
p0 −1.189e+04 ± 1.4e−16
0
−5000
−10000
−15000
−20000
pull
Entries 51
Mean −4.638e+08
Std Dev 4.638e+08
×10¹⁸
12
10
8
6
4
2
0
−2
−4
−6
−8

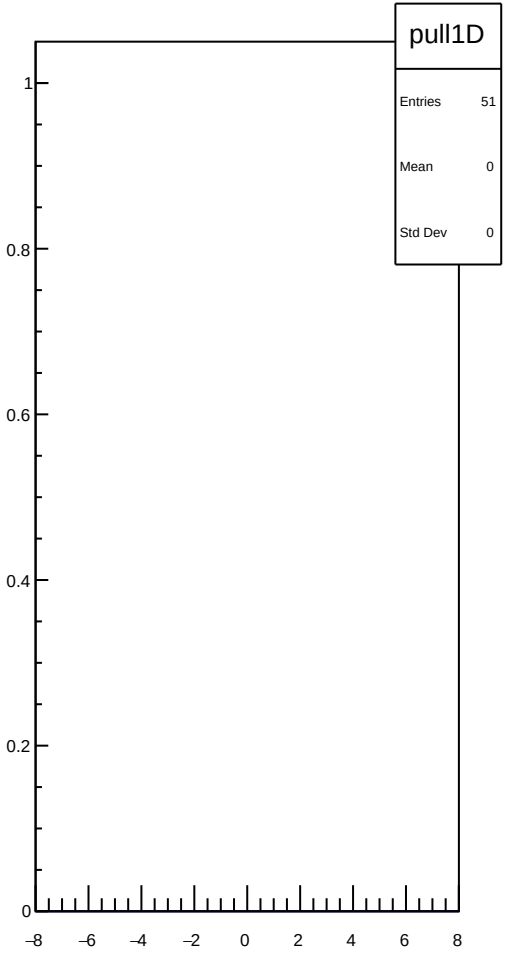

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

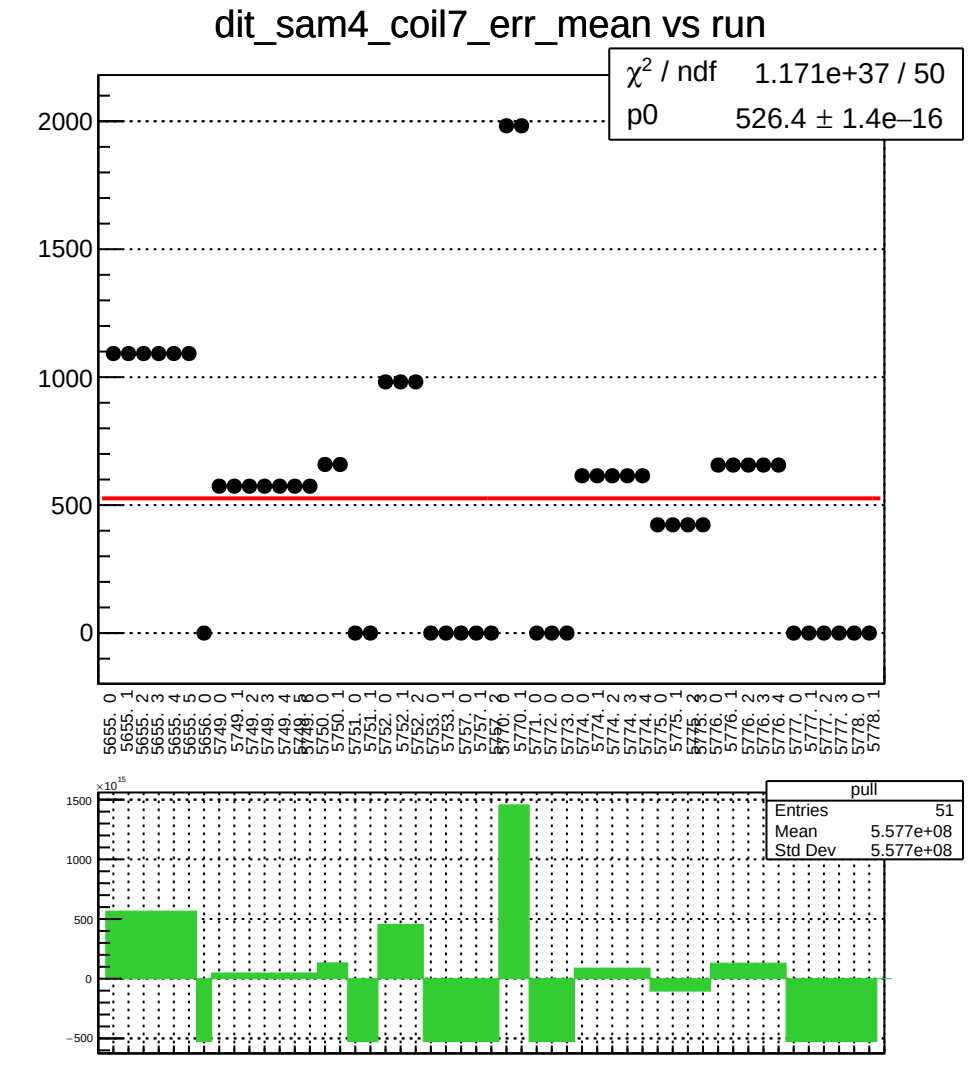

dit_sam3_coil7_err_mean vs run
χ² / ndf 6.935e+36 / 50
p0 425.5 ± 1.4e–16
pull
Entries 51
Mean –2.924e+09
Std Dev 2.924e+09

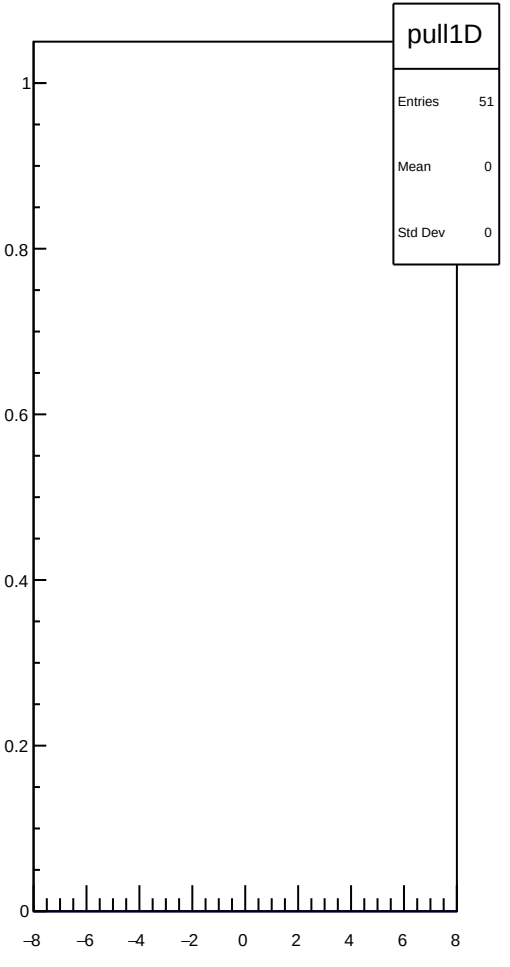

pull1D
Entries 51
Mean 0
Std Dev 0

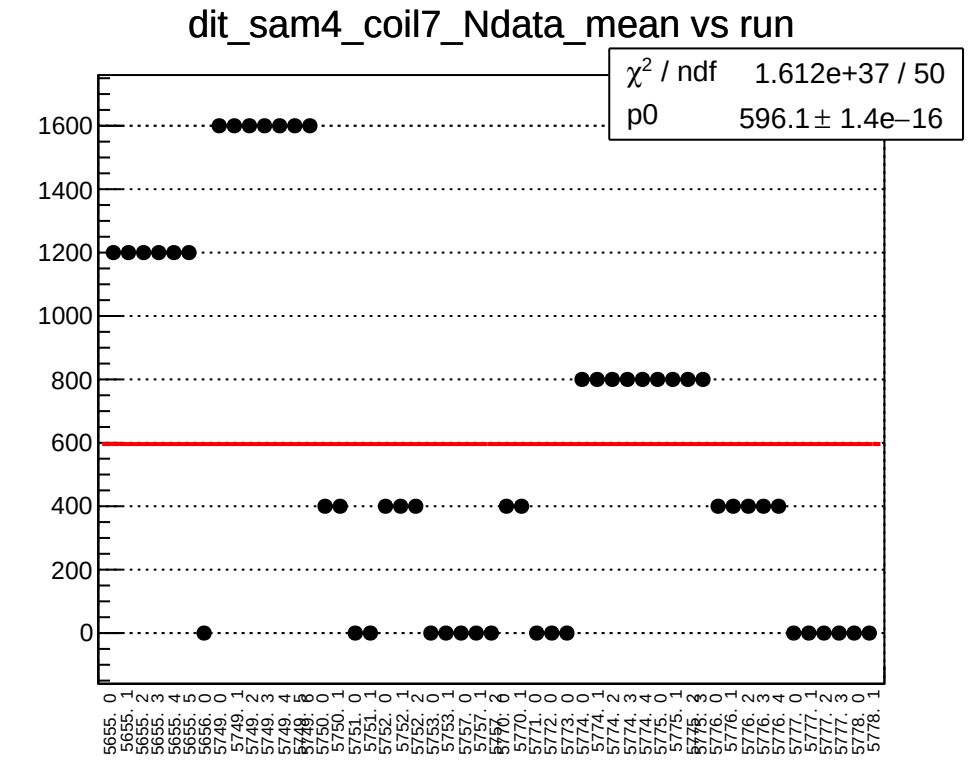

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10^15
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

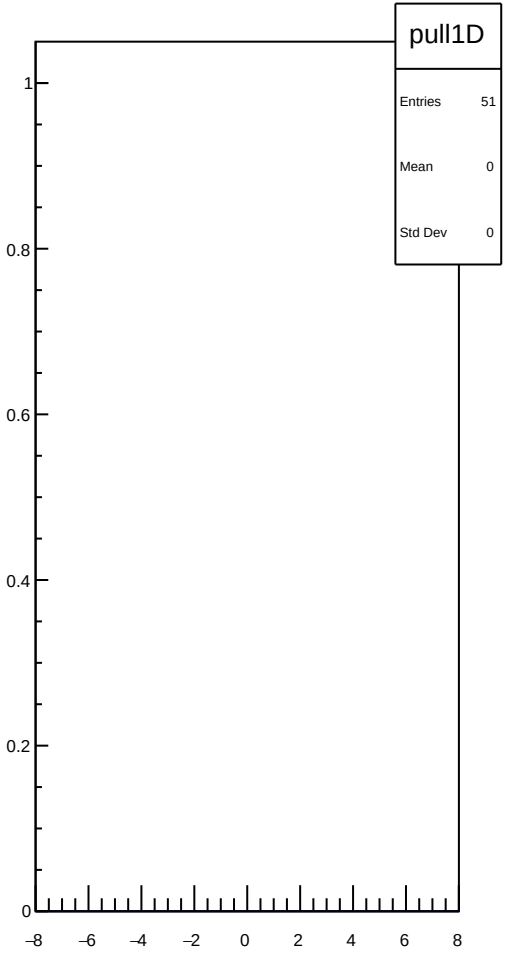

dit_sam4_coil7_mean vs run
χ² / ndf inf / 50
p0 −1.49e+04 ± 1.4e−16
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 51
Mean −1.639e+07
Std Dev 1.639e+07
×10¹⁸
15
10
5
0
−5
−10

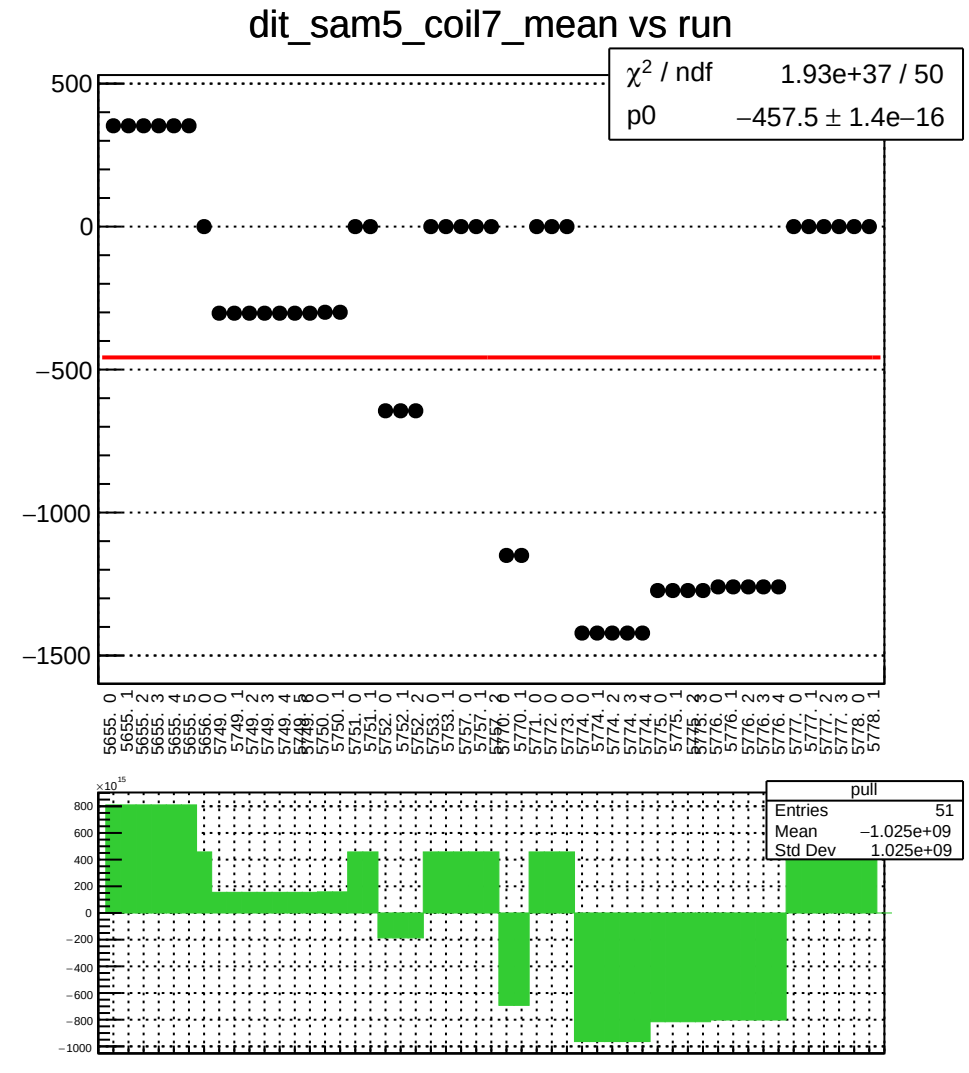

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

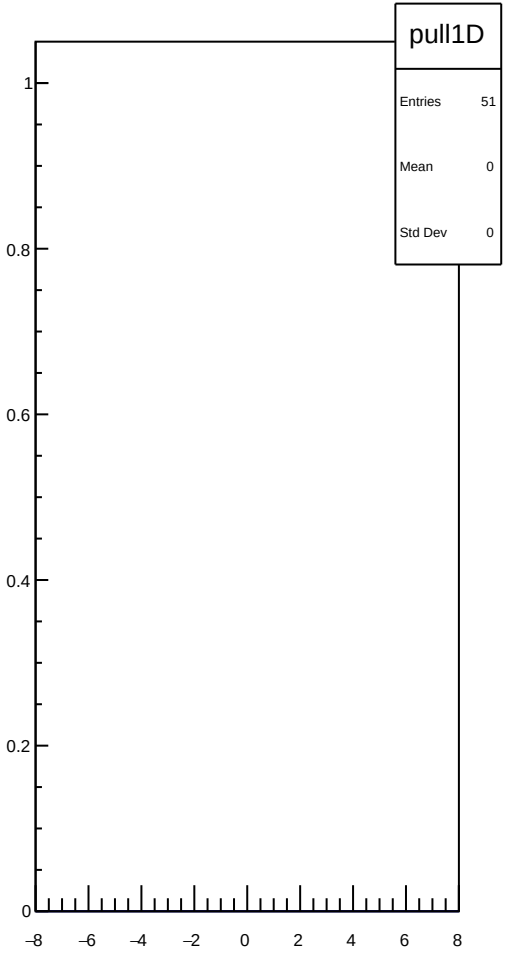

dit_sam4_coil7_err_mean vs run
χ² / ndf 1.171e+37 / 50
p0 526.4 ± 1.4e–16
2000
1500
1000
500
0
pull
Entries 51
Mean 5.577e+08
Std Dev 5.577e+08
×10¹⁵
1500
1000
500
0
−500

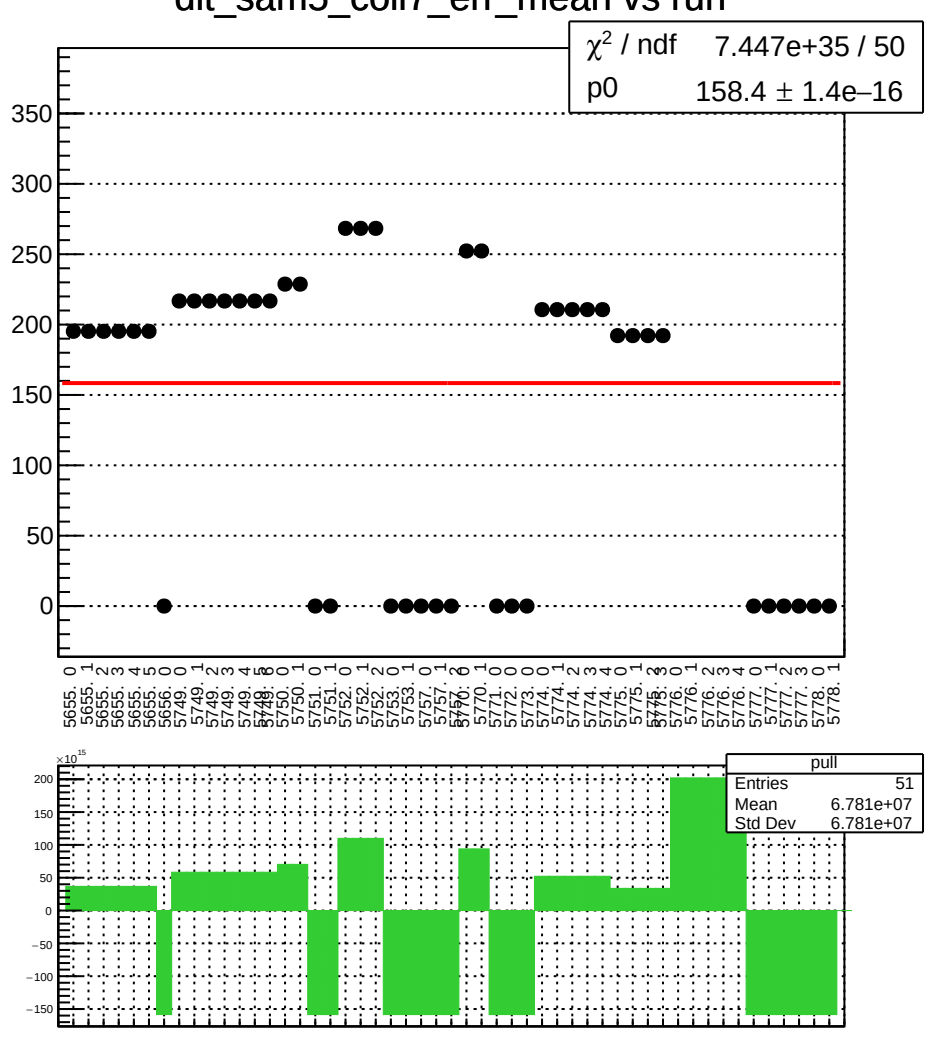

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

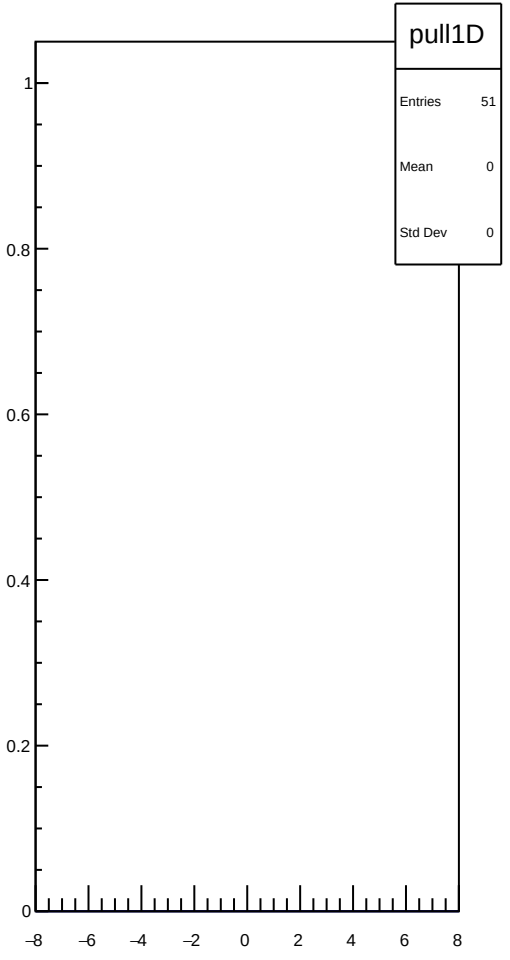

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

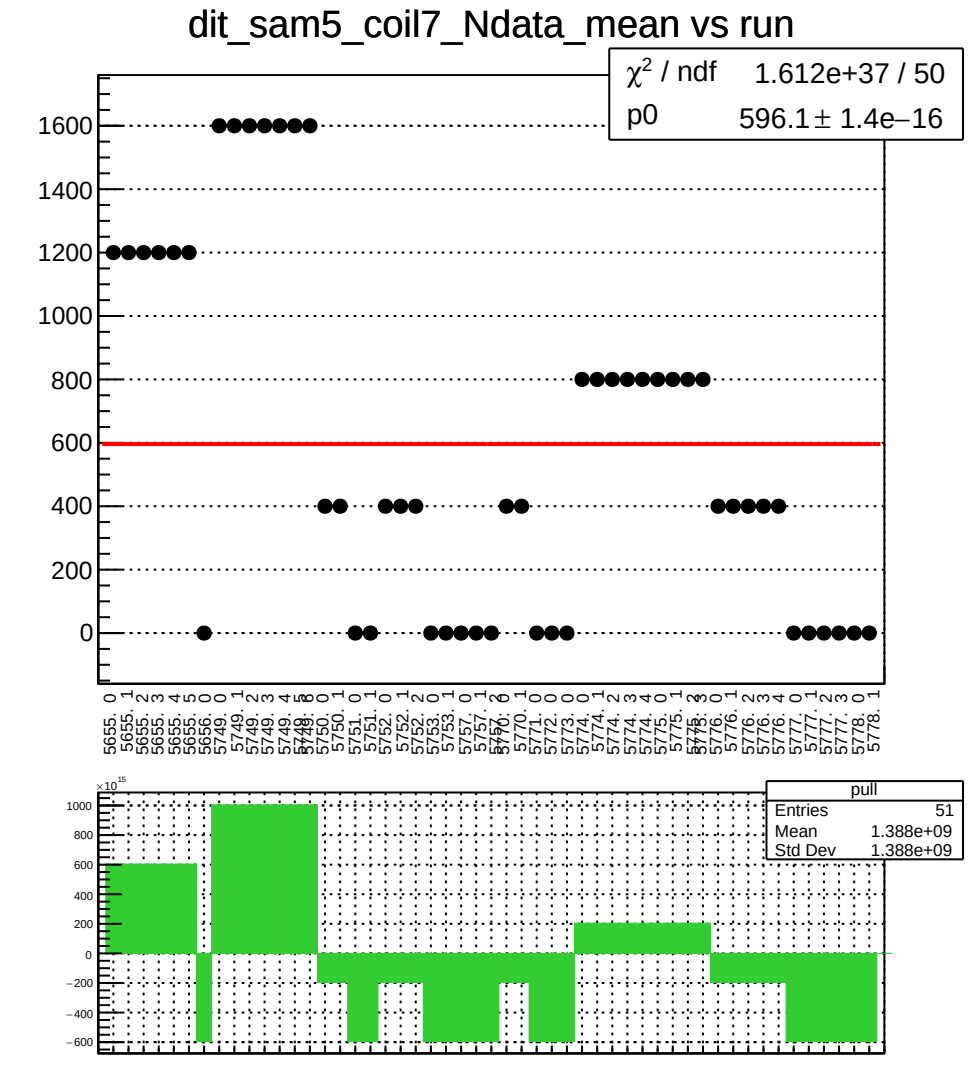

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

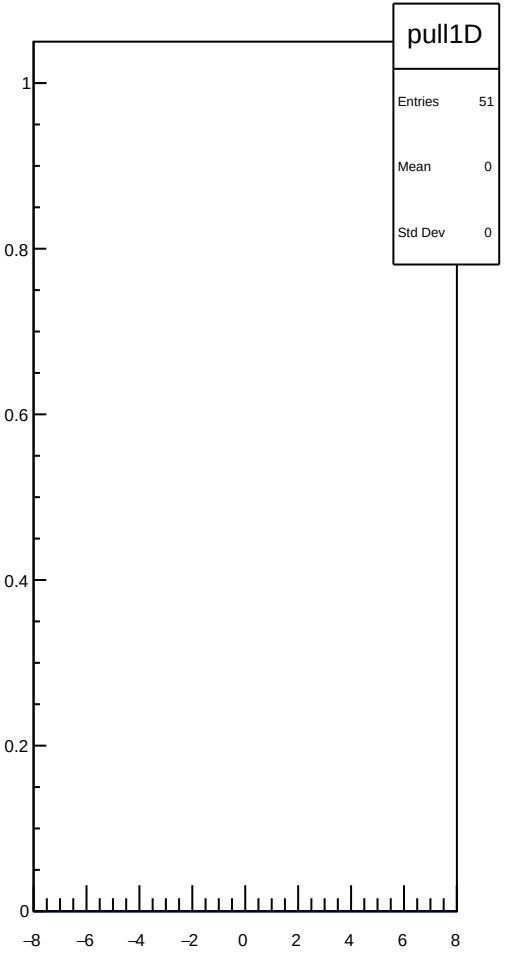

dit_sam5_coil7_mean vs run
χ² / ndf 1.93e+37 / 50
p0 −457.5 ± 1.4e−16
500
0
−500
−1000
−1500
pull
Entries 51
Mean −1.025e+09
Std Dev 1.025e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000

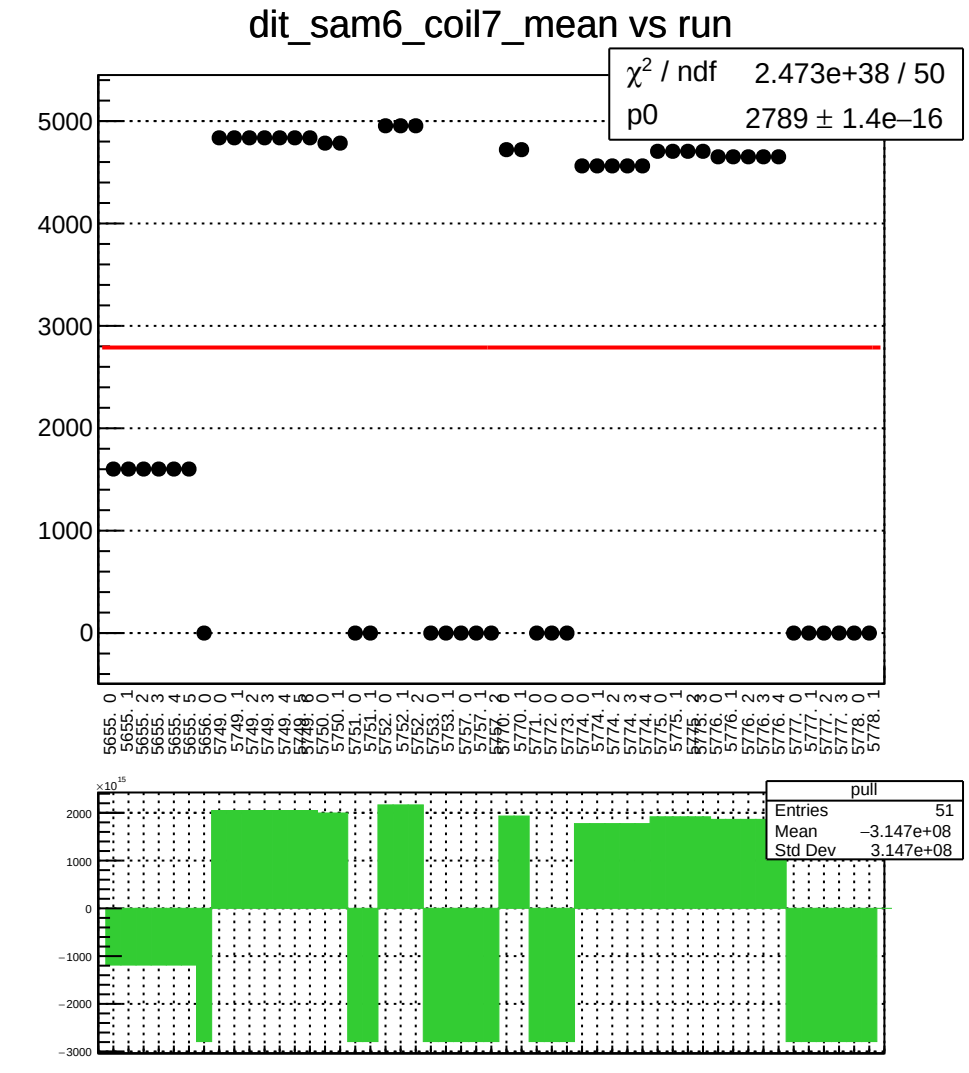

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

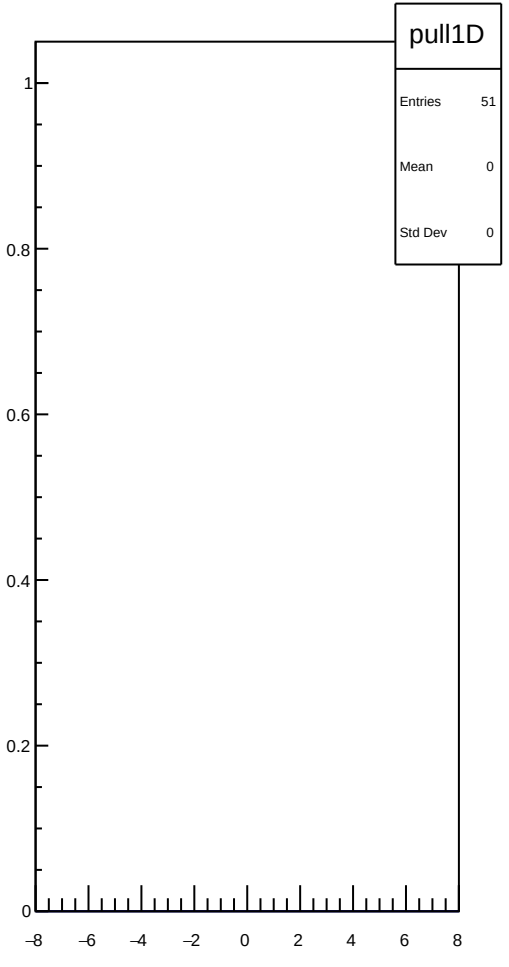

dit_sam5_coil7_err_mean vs run
χ² / ndf 7.447e+35 / 50
p0 158.4 ± 1.4e–16
pull
Entries 51
Mean 6.781e+07
Std Dev 6.781e+07

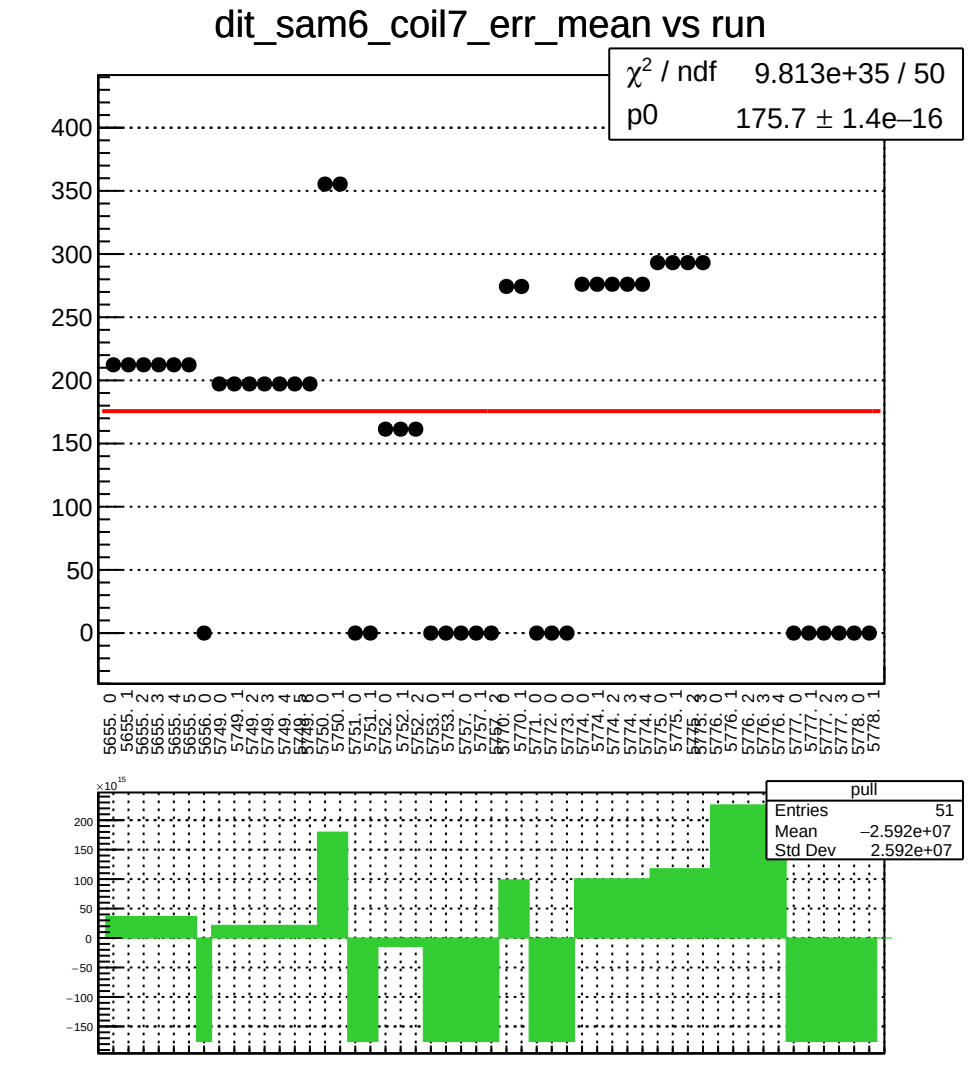

pull1D
Entries 51
Mean 0
Std Dev 0

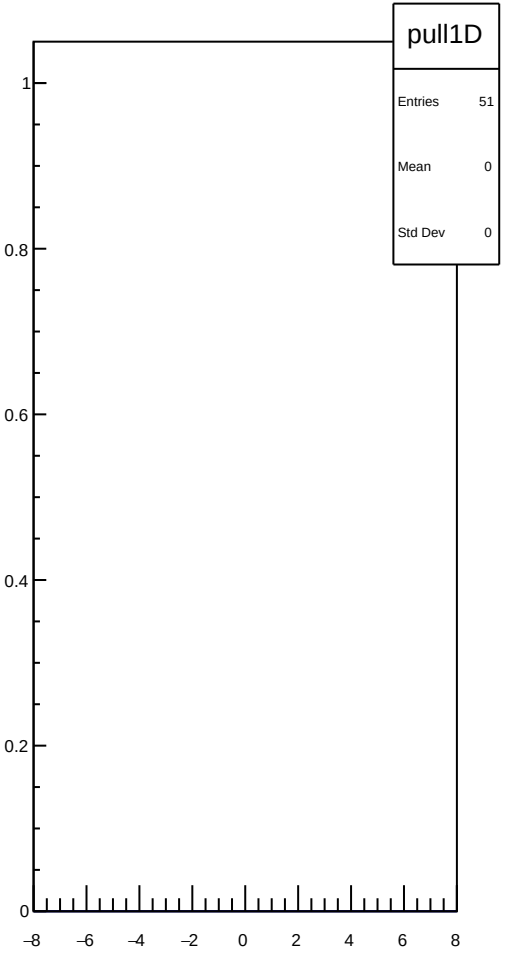

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e–16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

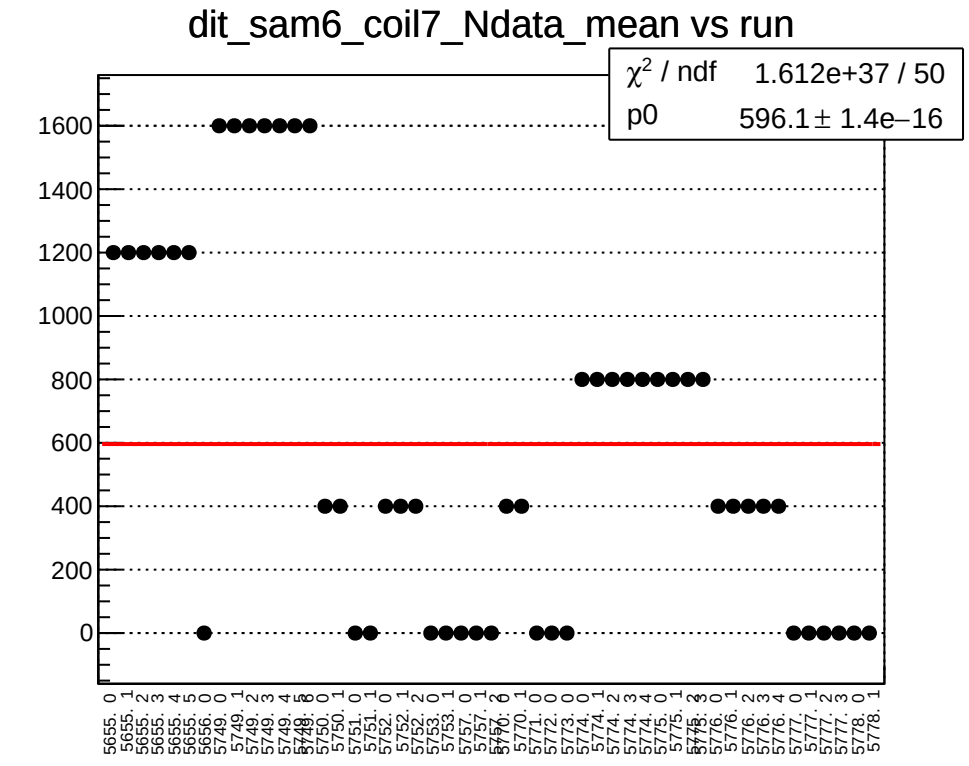

pull1D
Entries 51
Mean 0
Std Dev 0

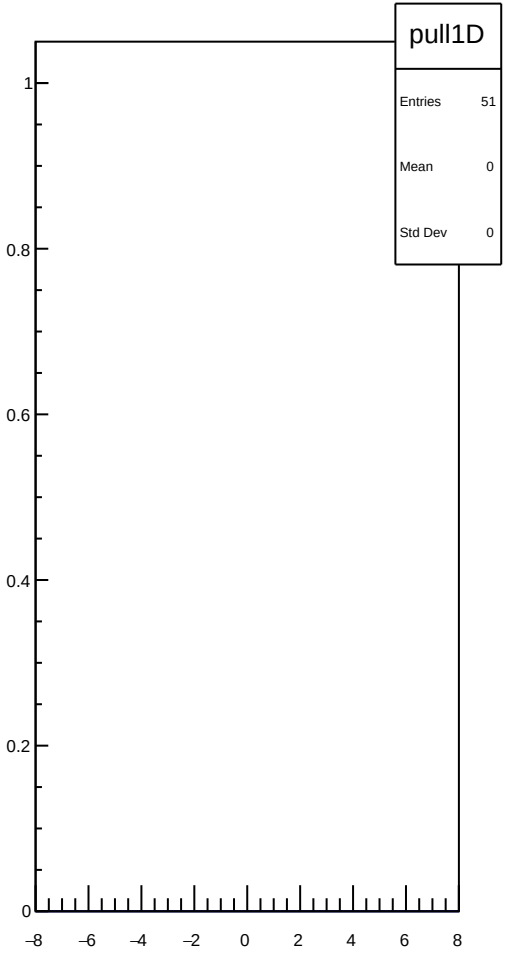

dit_sam6_coil7_mean vs run
χ² / ndf 2.473e+38 / 50
p0 2789 ± 1.4e–16
5000
4000
3000
2000
1000
0
pull
Entries 51
Mean –3.147e+08
Std Dev 3.147e+08
×10¹⁵
2000
1000
0
–1000
–2000
–3000

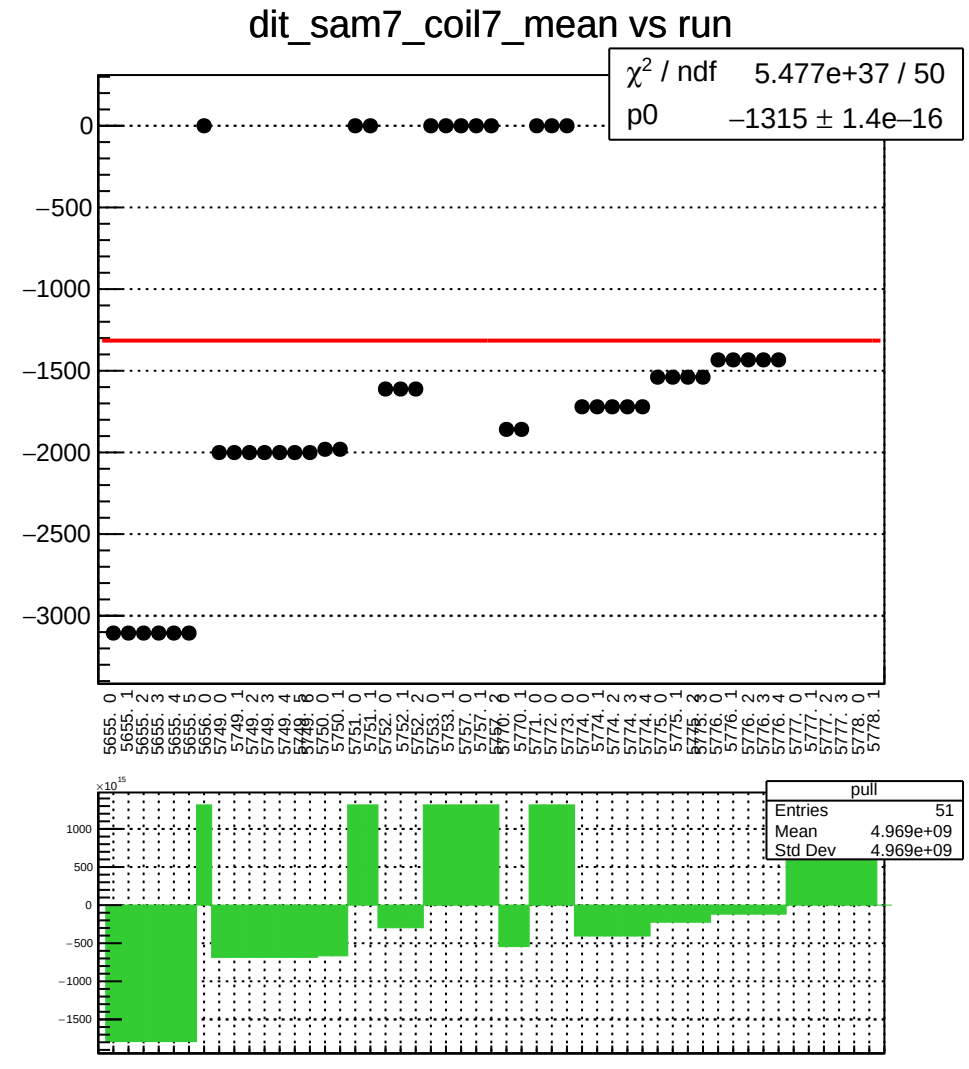

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

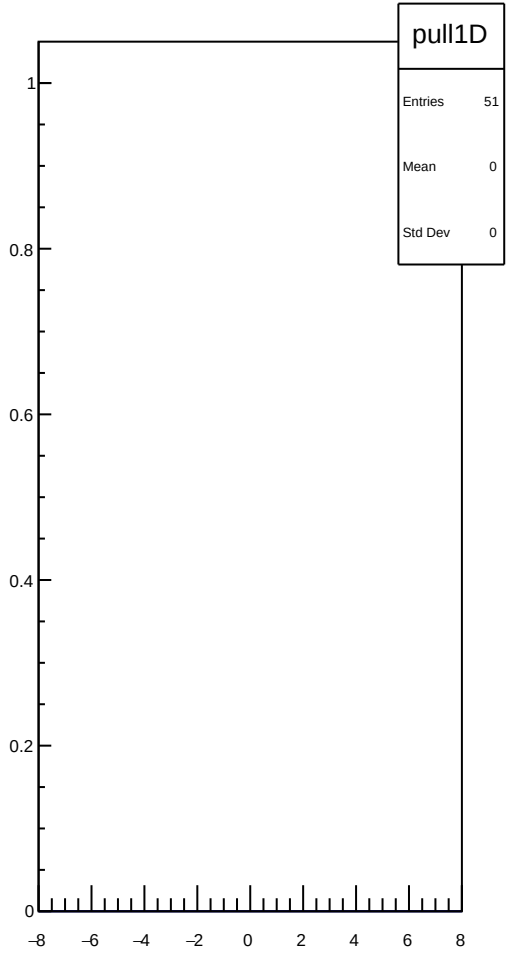

dit_sam6_coil7_err_mean vs run
χ² / ndf 9.813e+35 / 50
p0 175.7 ± 1.4e–16
pull
Entries 51
Mean –2.592e+07
Std Dev 2.592e+07
×10¹⁵

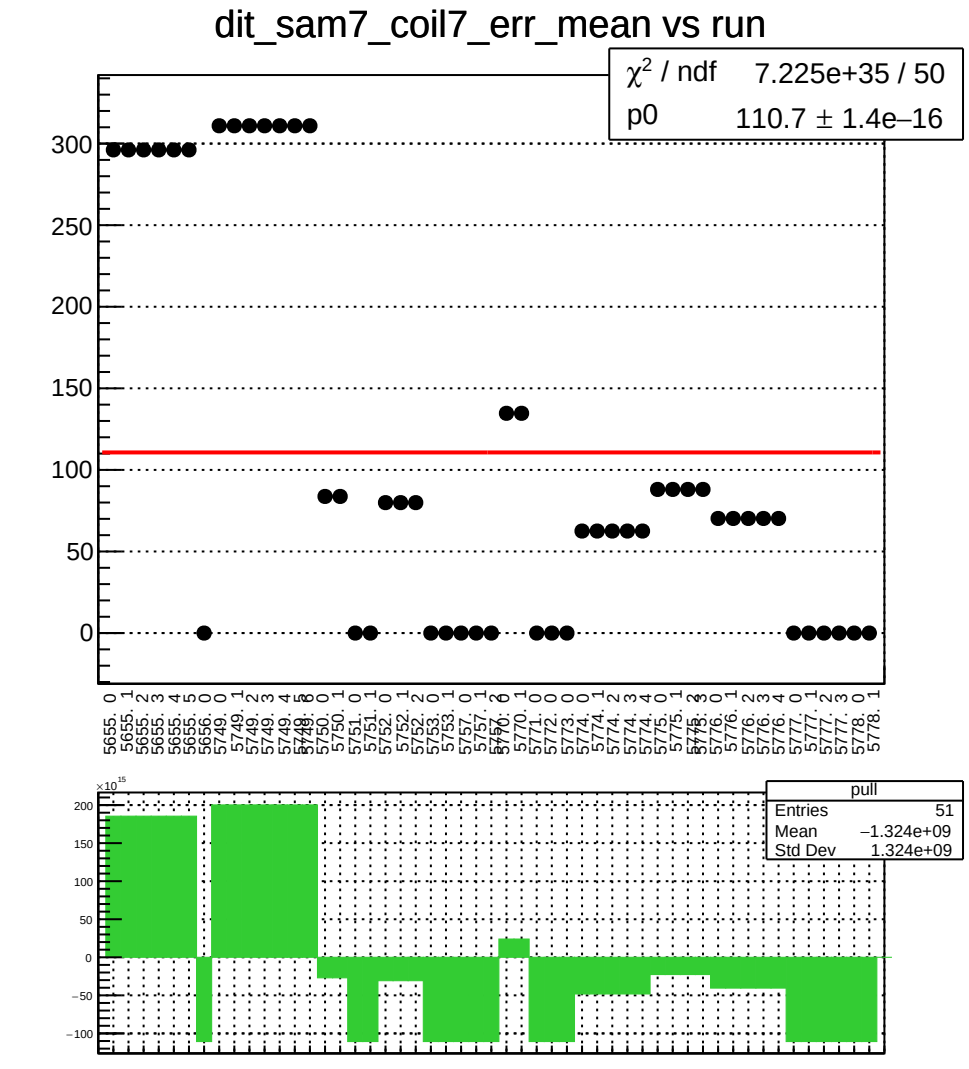

pull1D
Entries 51
Mean 0
Std Dev 0

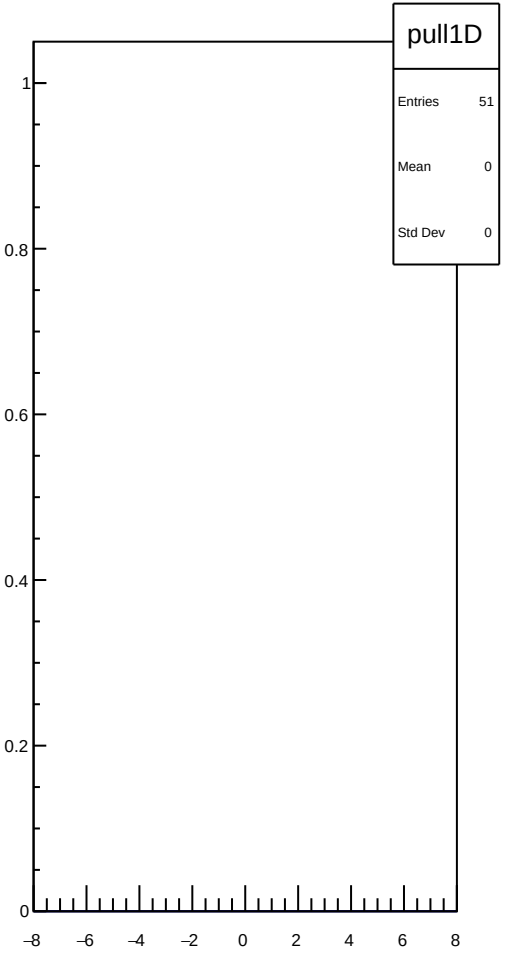

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5760. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

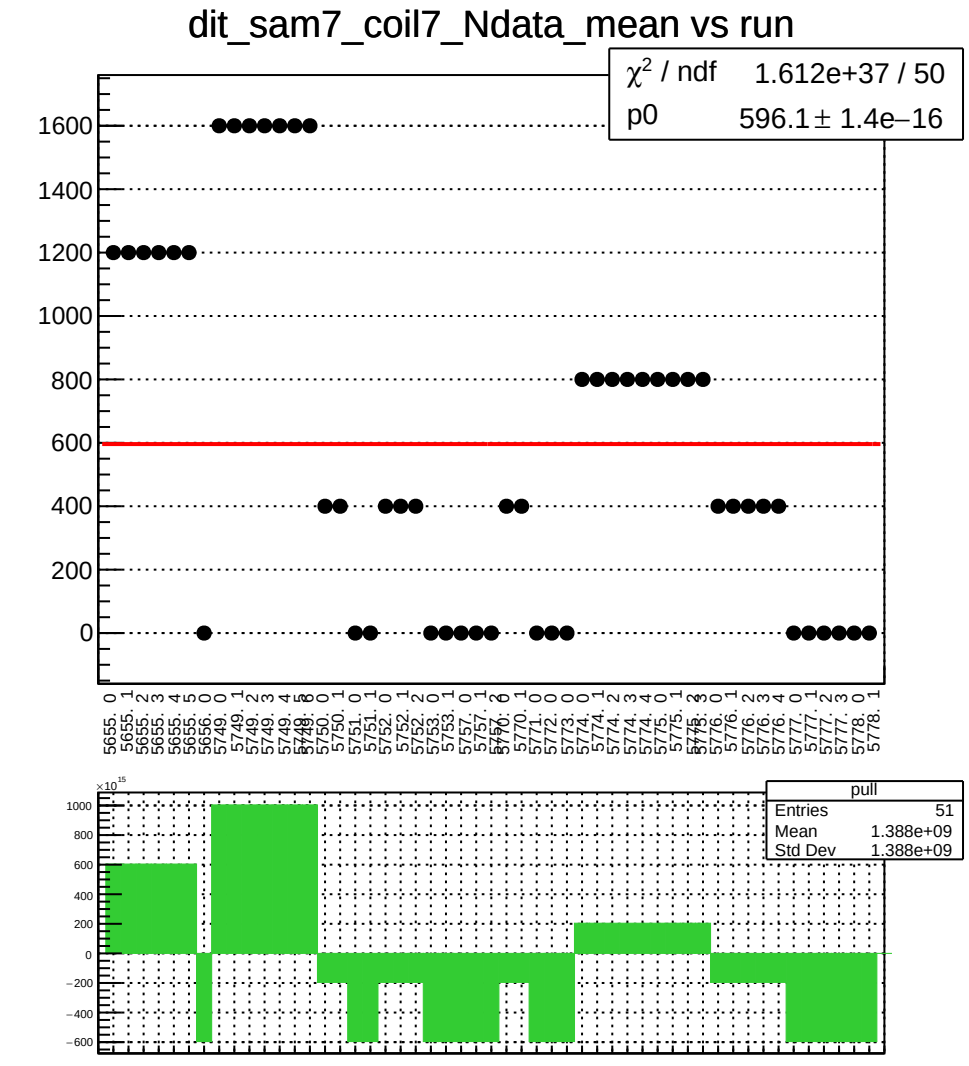

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

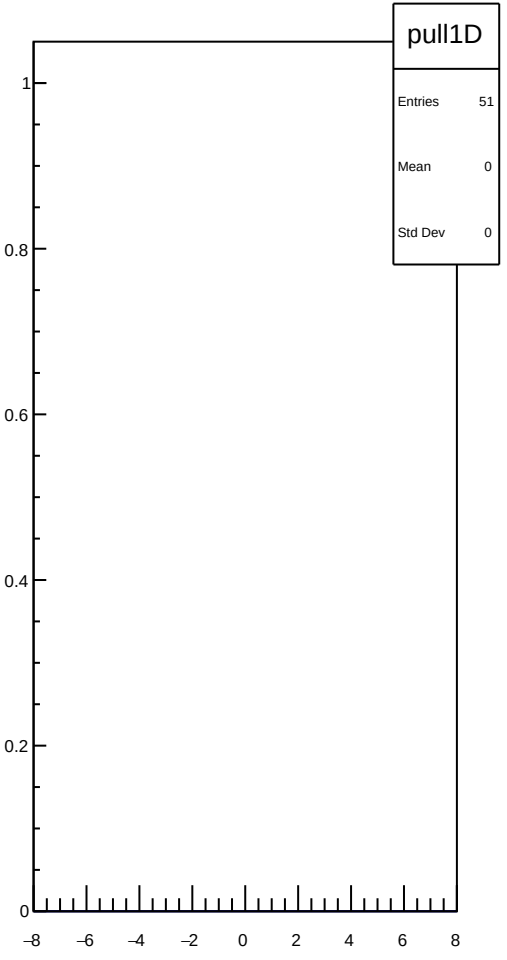

dit_sam7_coil7_mean vs run
χ² / ndf 5.477e+37 / 50
p0 −1315 ± 1.4e−16
pull
Entries 51
Mean 4.969e+09
Std Dev 4.969e+09

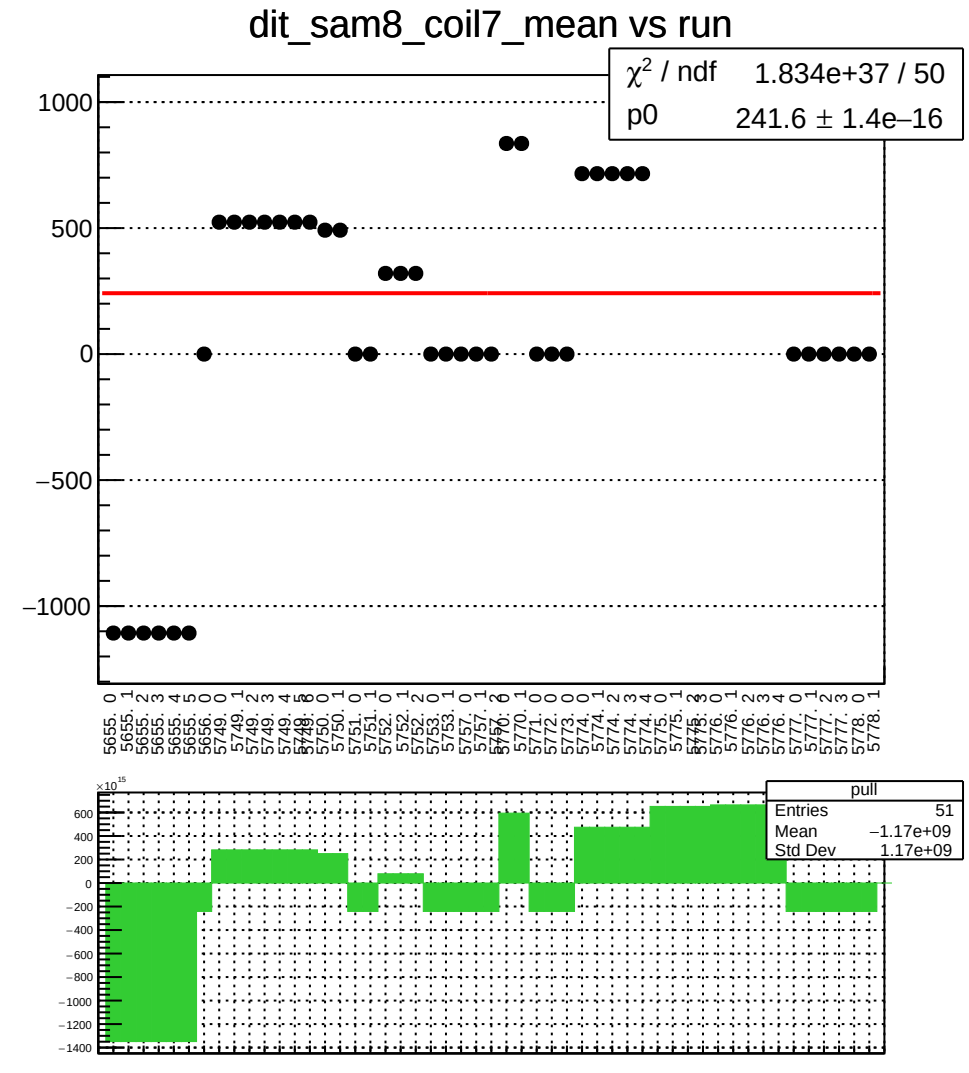

pull1D
Entries 51
Mean 0
Std Dev 0

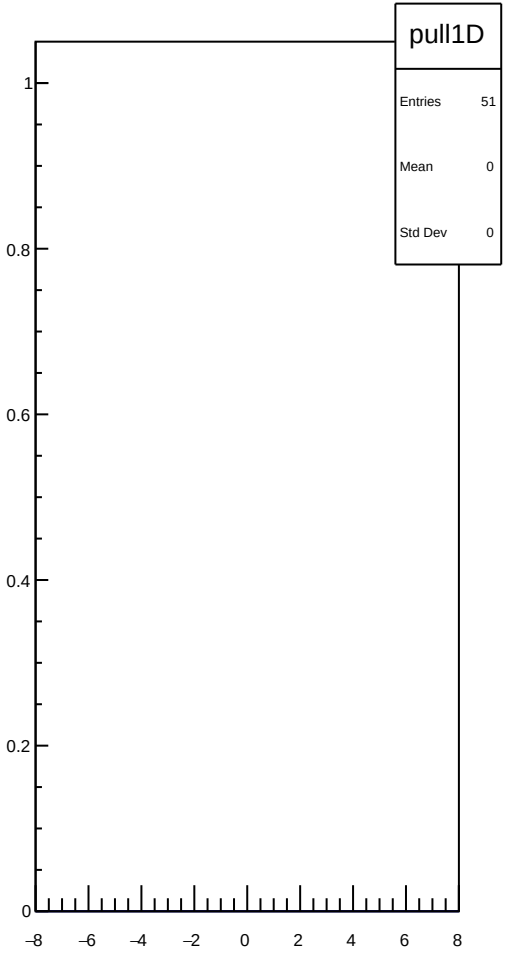

dit_sam7_coil7_err_mean vs run
χ² / ndf 7.225e+35 / 50
p0 110.7 ± 1.4e–16
300
250
200
150
100
50
0
pull
Entries 51
Mean –1.324e+09
Std Dev 1.324e+09
×10¹⁵
200
150
100
50
0
−50
−100

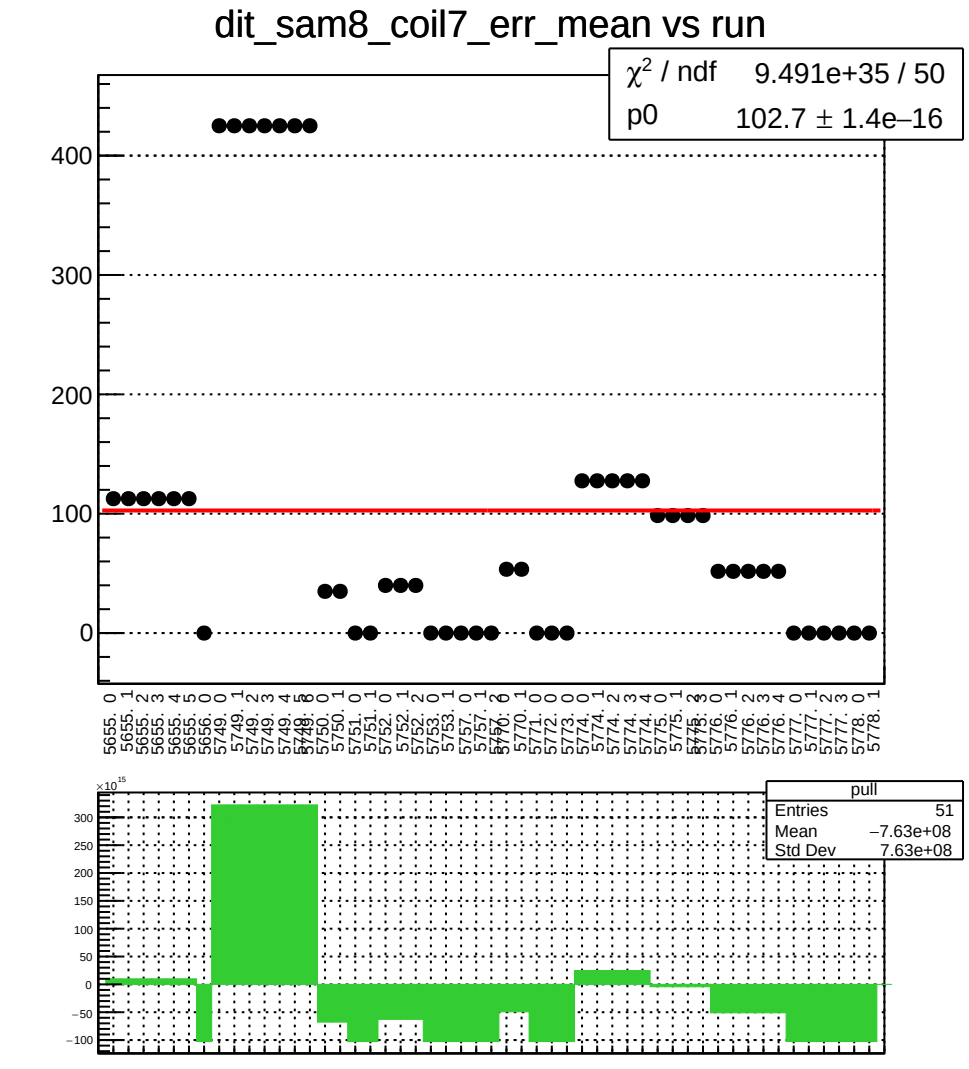

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

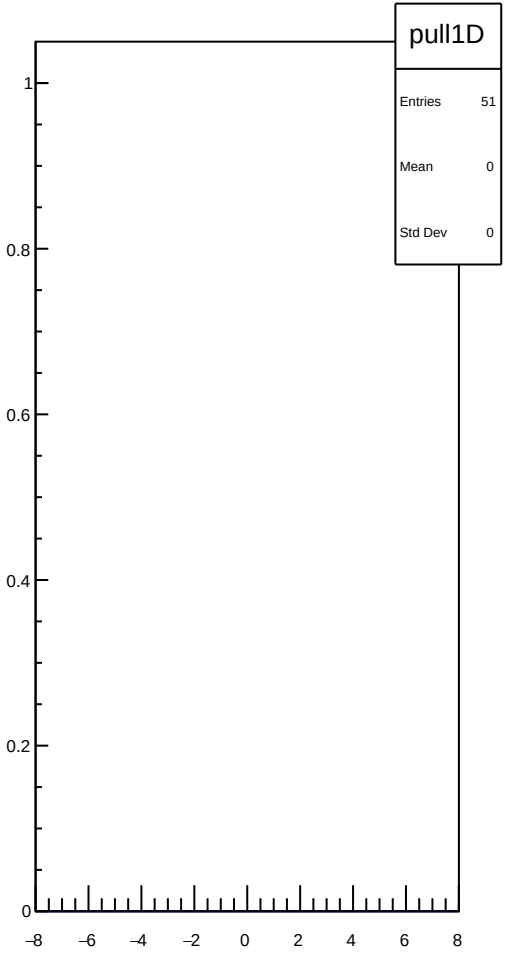

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

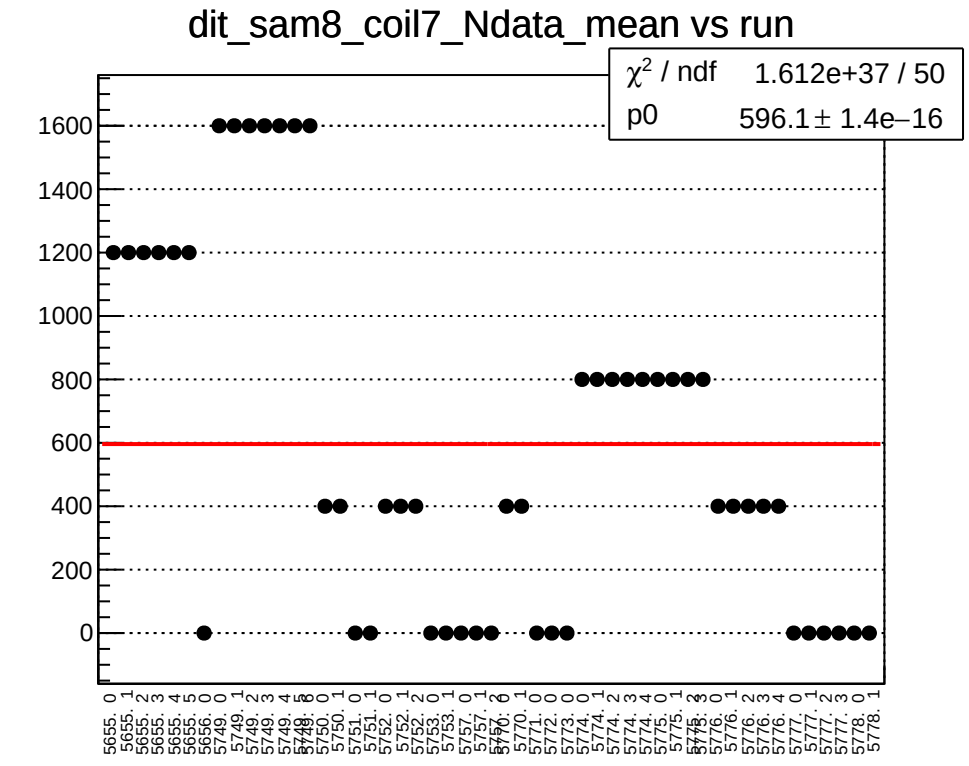

pull1D
Entries 51
Mean 0
Std Dev 0

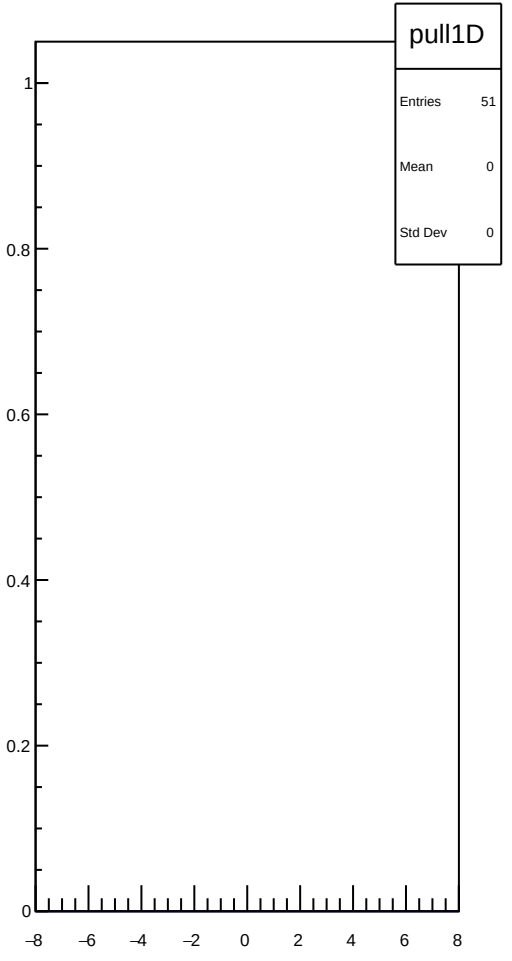

dit_sam8_coil7_mean vs run
χ² / ndf 1.834e+37 / 50
p0 241.6 ± 1.4e–16
1000
500
0
−500
−1000
pull
Entries 51
Mean −1.17e+09
Std Dev 1.17e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

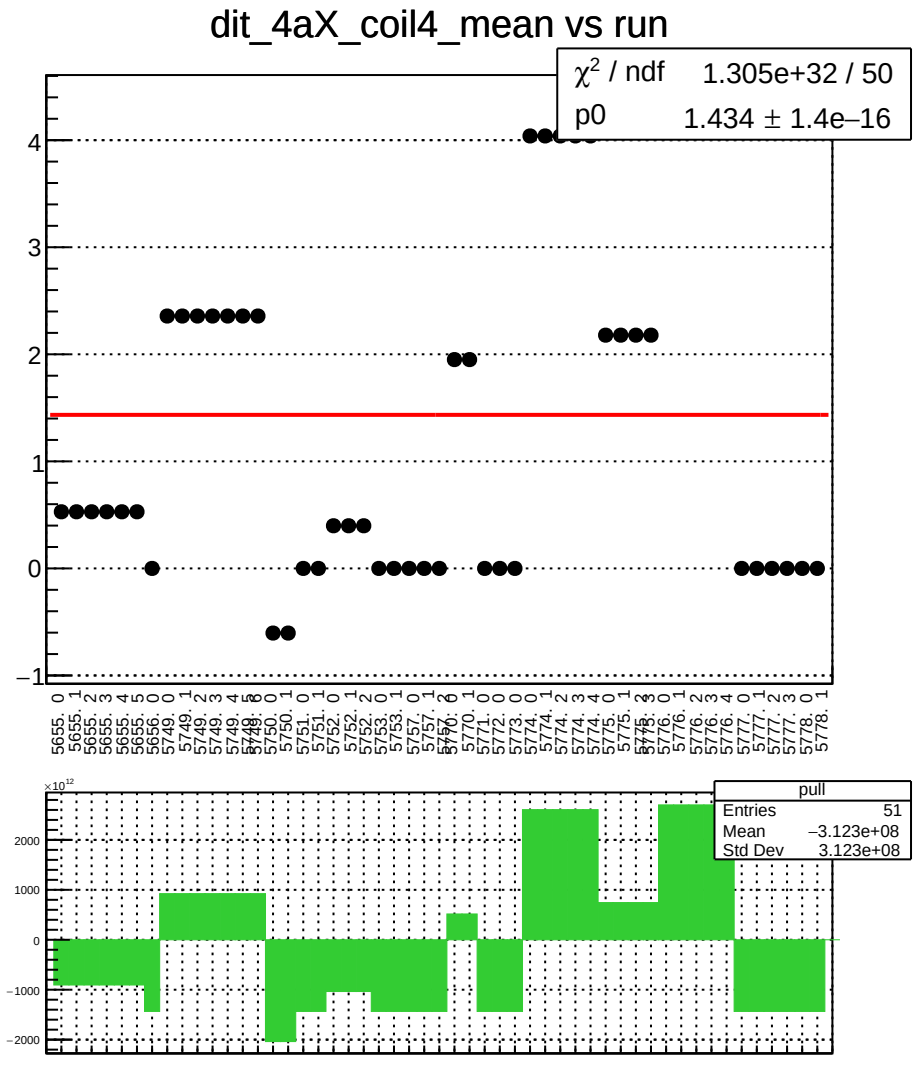

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

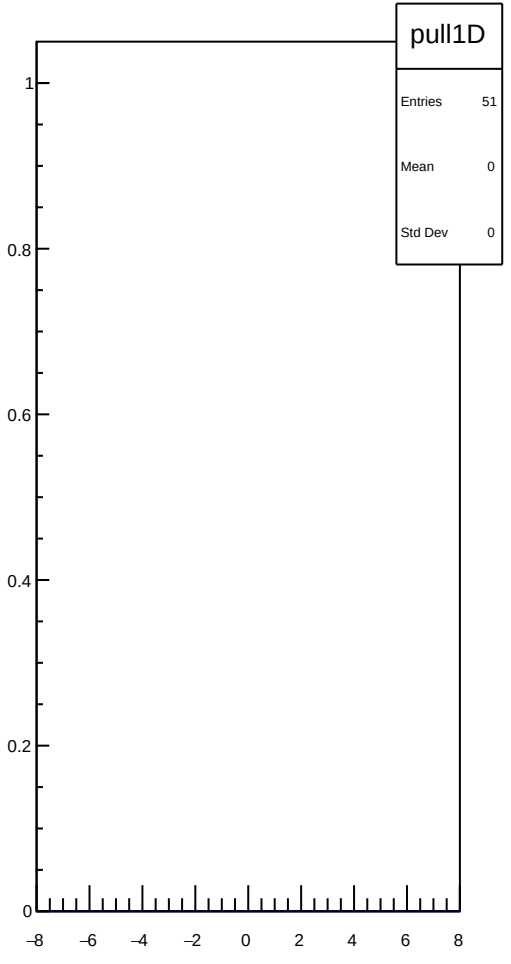

dit_sam8_coil7_err_mean vs run
χ² / ndf 9.491e+35 / 50
p0 102.7 ± 1.4e–16
400
300
200
100
0
pull
Entries 51
Mean –7.63e+08
Std Dev 7.63e+08
×10¹⁵
300
250
200
150
100
50
0
−50
−100

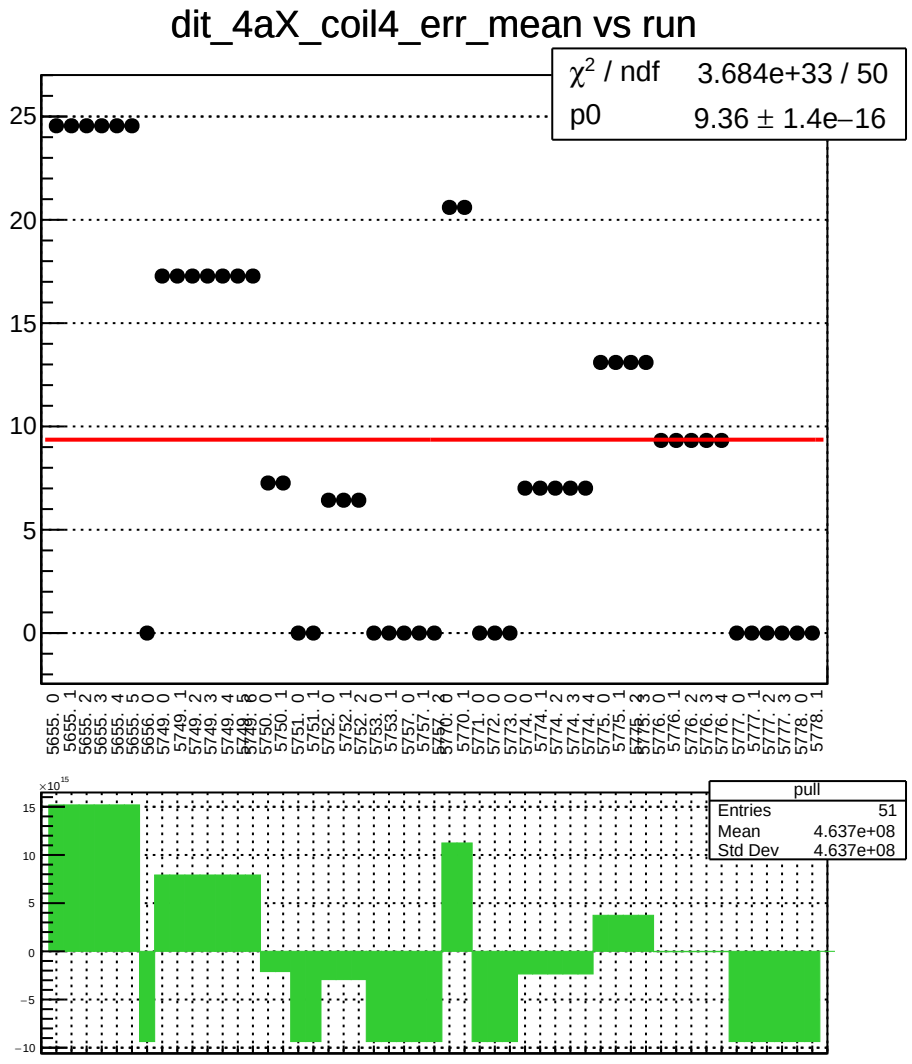

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

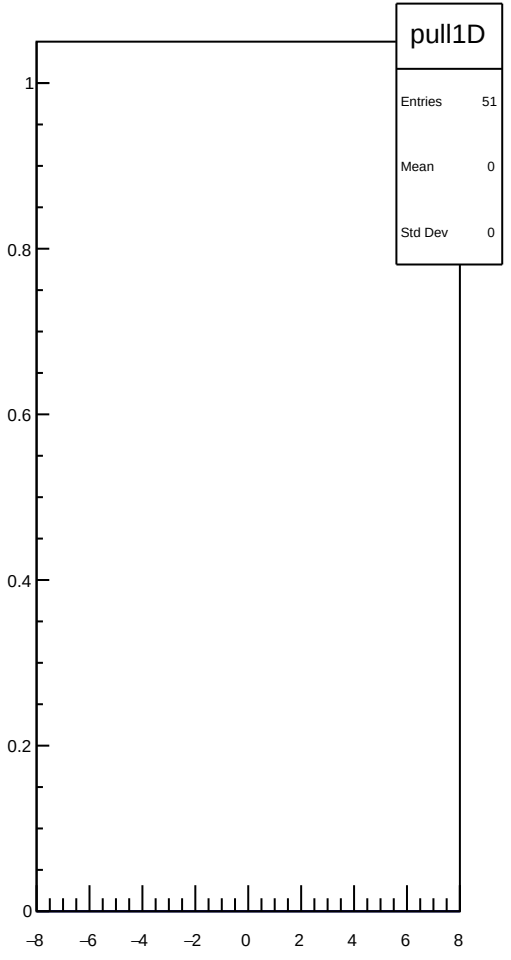

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.612e+37 / 50
p0 596.1 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 1.388e+09
Std Dev 1.388e+09

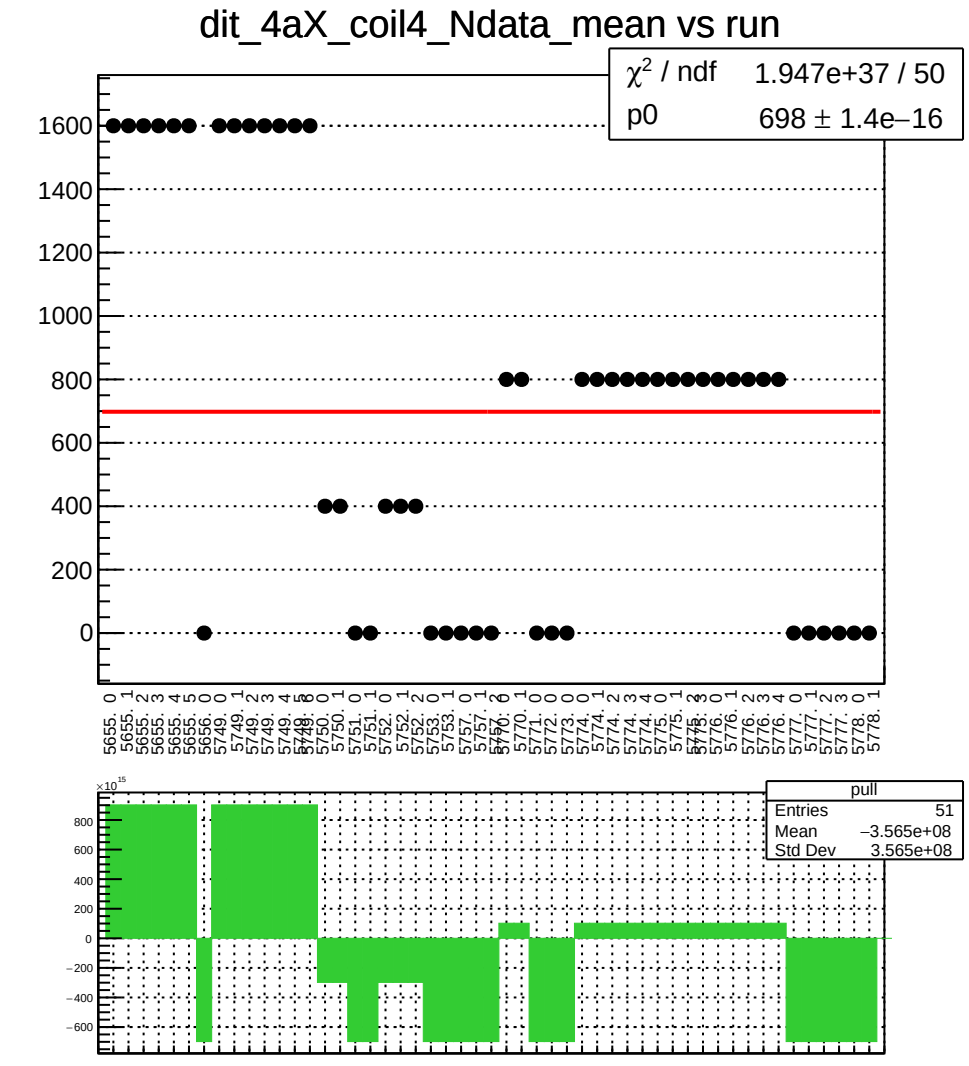

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

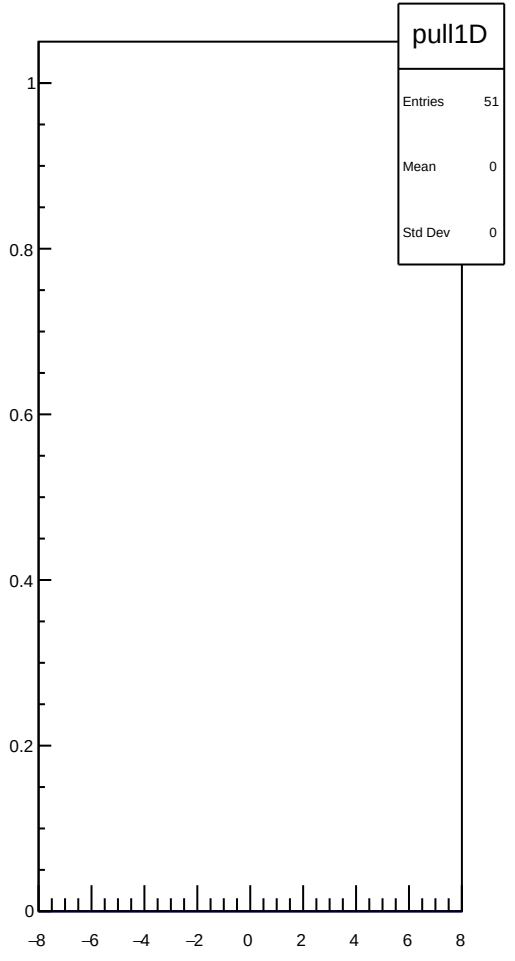

dit_4aX_coil4_mean vs run
χ² / ndf 1.305e+32 / 50
p0 1.434 ± 1.4e−16
pull
Entries 51
Mean −3.123e+08
Std Dev 3.123e+08

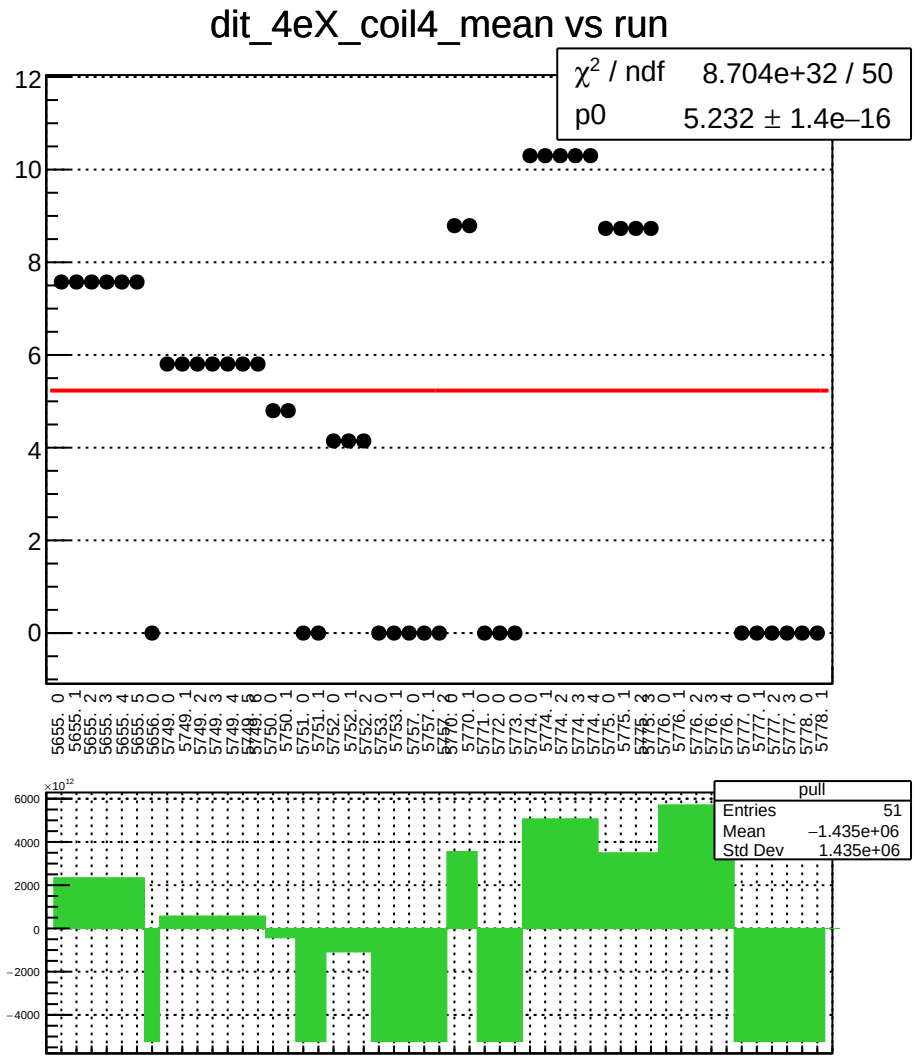

pull1D
Entries 51
Mean 0
Std Dev 0

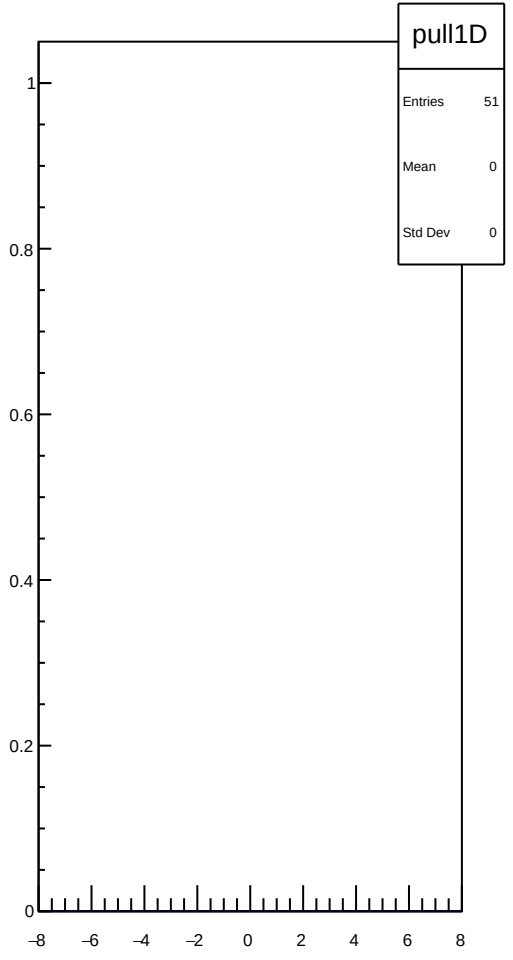

dit_4aX_coil4_err_mean vs run
χ² / ndf 3.684e+33 / 50
p0 9.36 ± 1.4e−16
pull
Entries 51
Mean 4.637e+08
Std Dev 4.637e+08

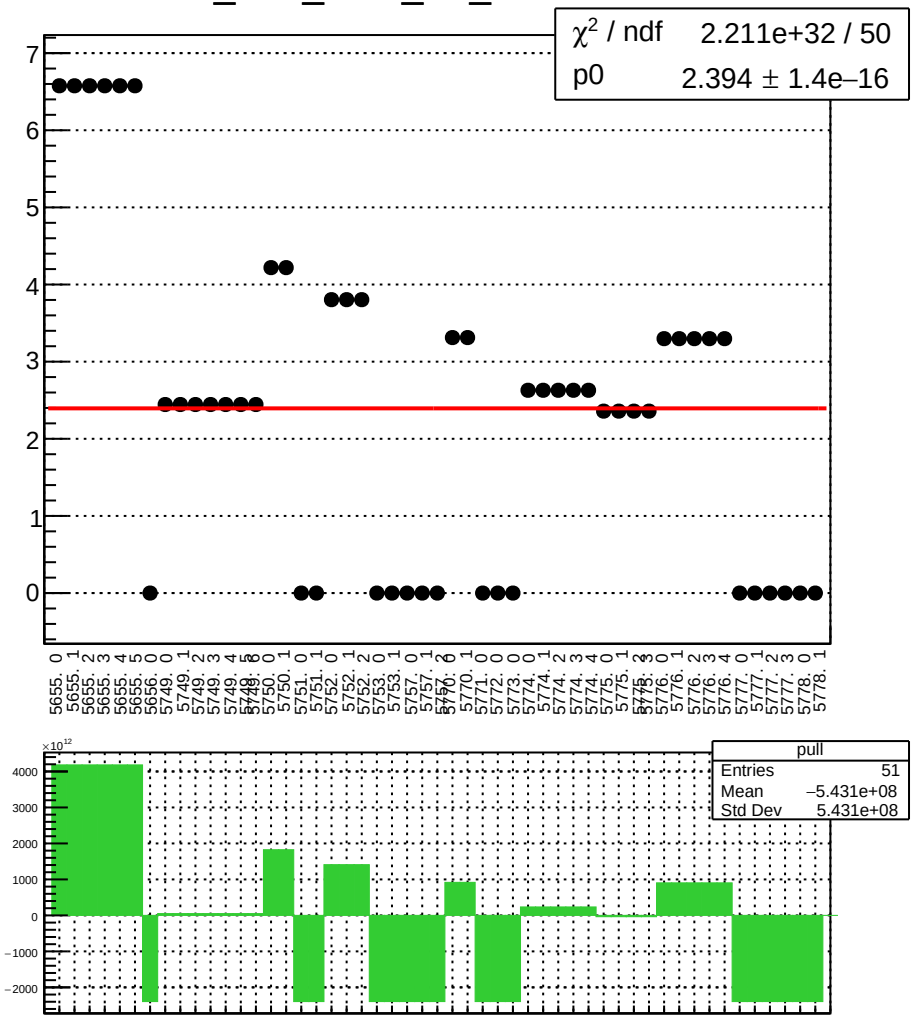

pull1D
Entries 51
Mean 0
Std Dev 0

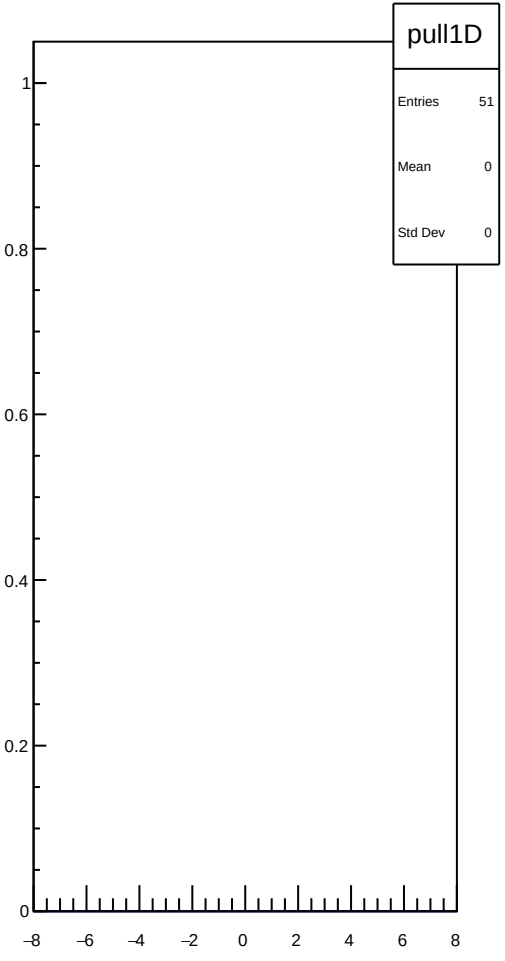

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

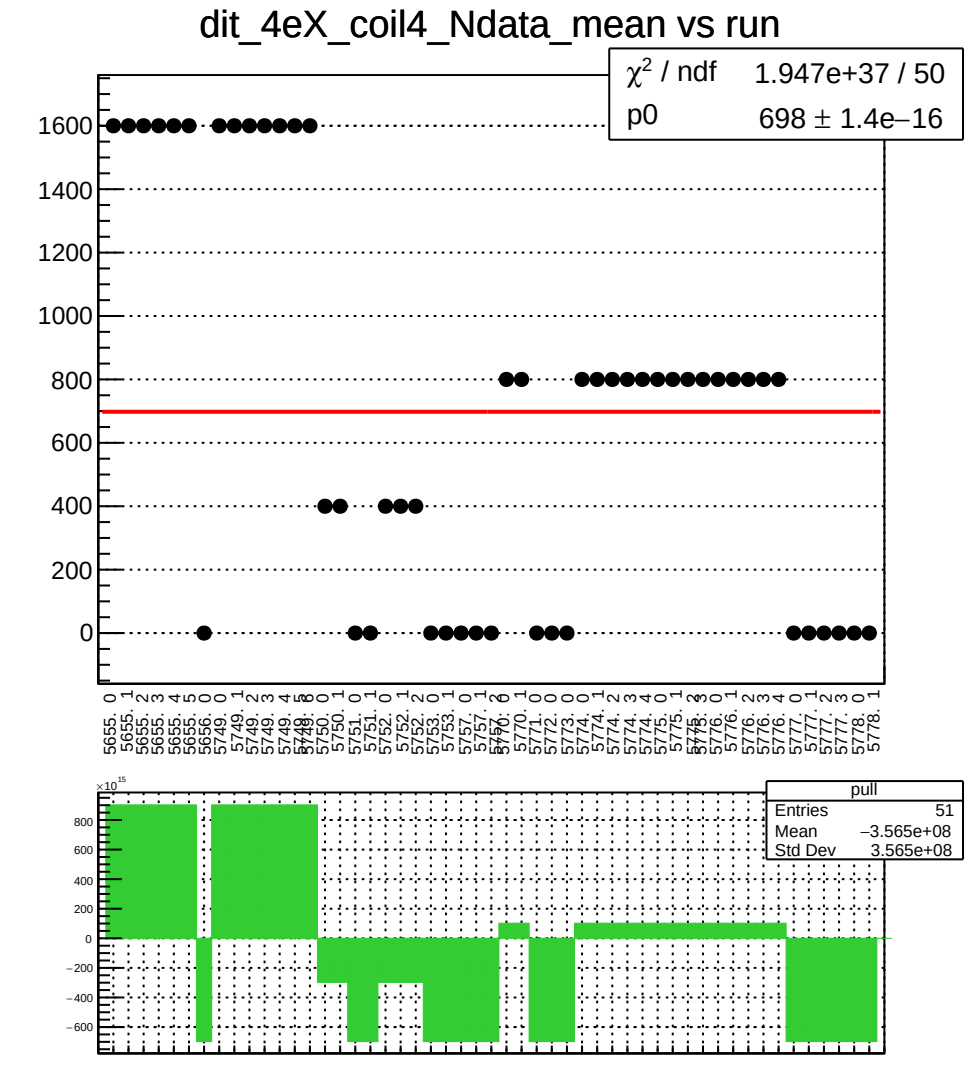

pull1D
Entries 51
Mean 0
Std Dev 0

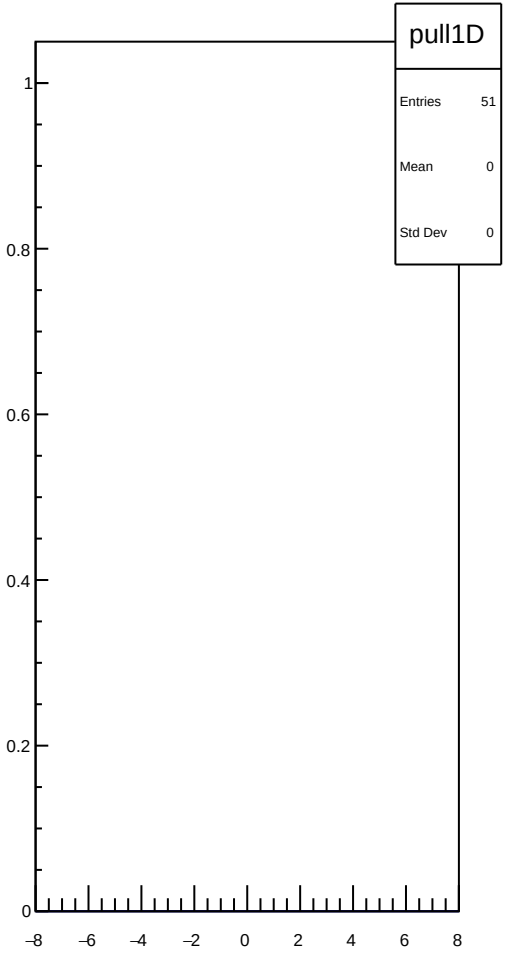

dit_4eX_coil4_mean vs run
χ² / ndf 8.704e+32 / 50
p0 5.232 ± 1.4e−16
pull
Entries 51
Mean −1.435e+06
Std Dev 1.435e+06

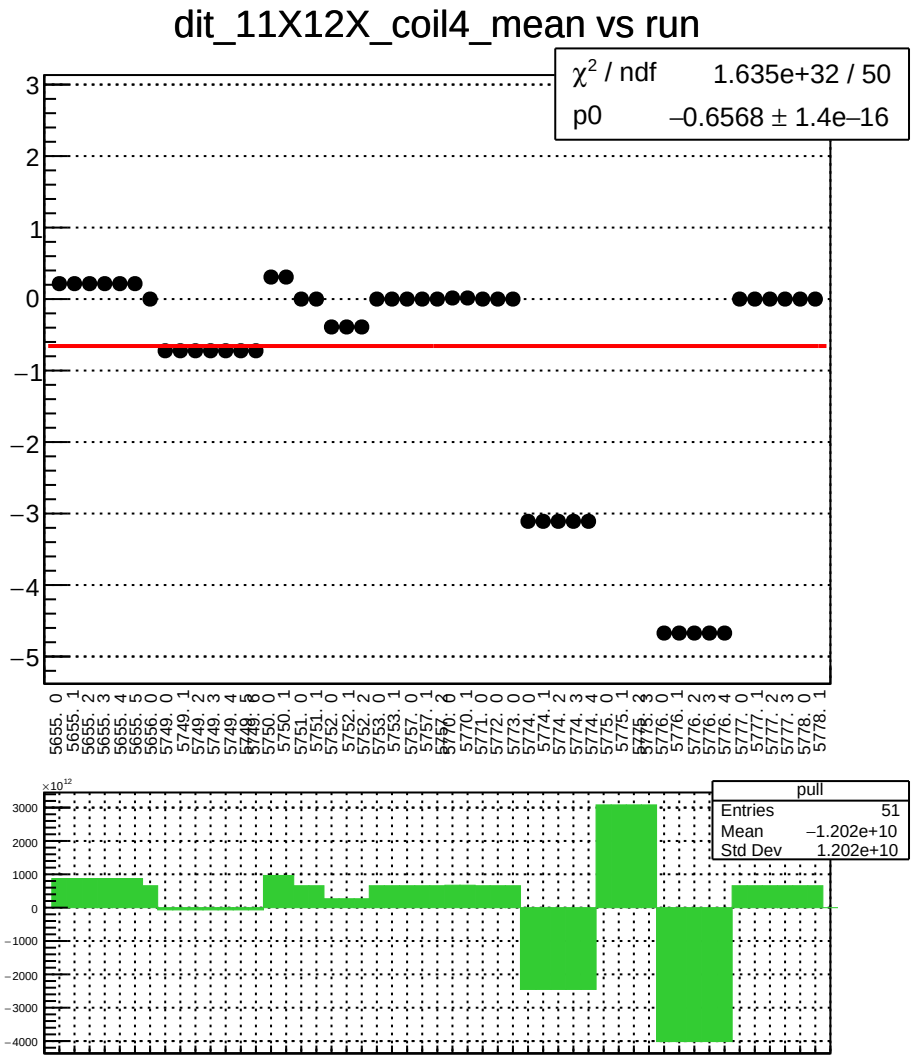

pull1D
Entries 51
Mean 0
Std Dev 0

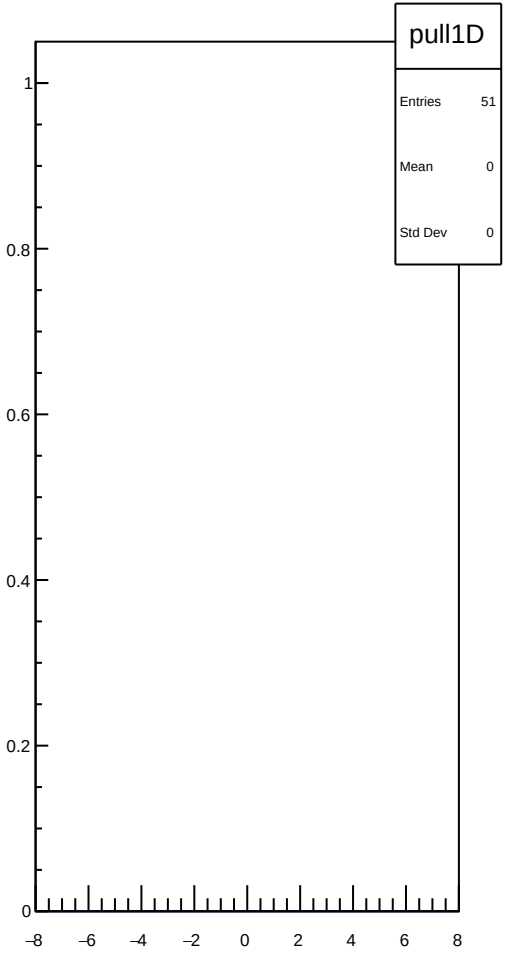

dit_4eX_coil4_err_mean vs run
χ² / ndf 2.211e+32 / 50
p0 2.394 ± 1.4e–16
pull
Entries 51
Mean –5.431e+08
Std Dev 5.431e+08


pull1D
Entries 51
Mean 0
Std Dev 0

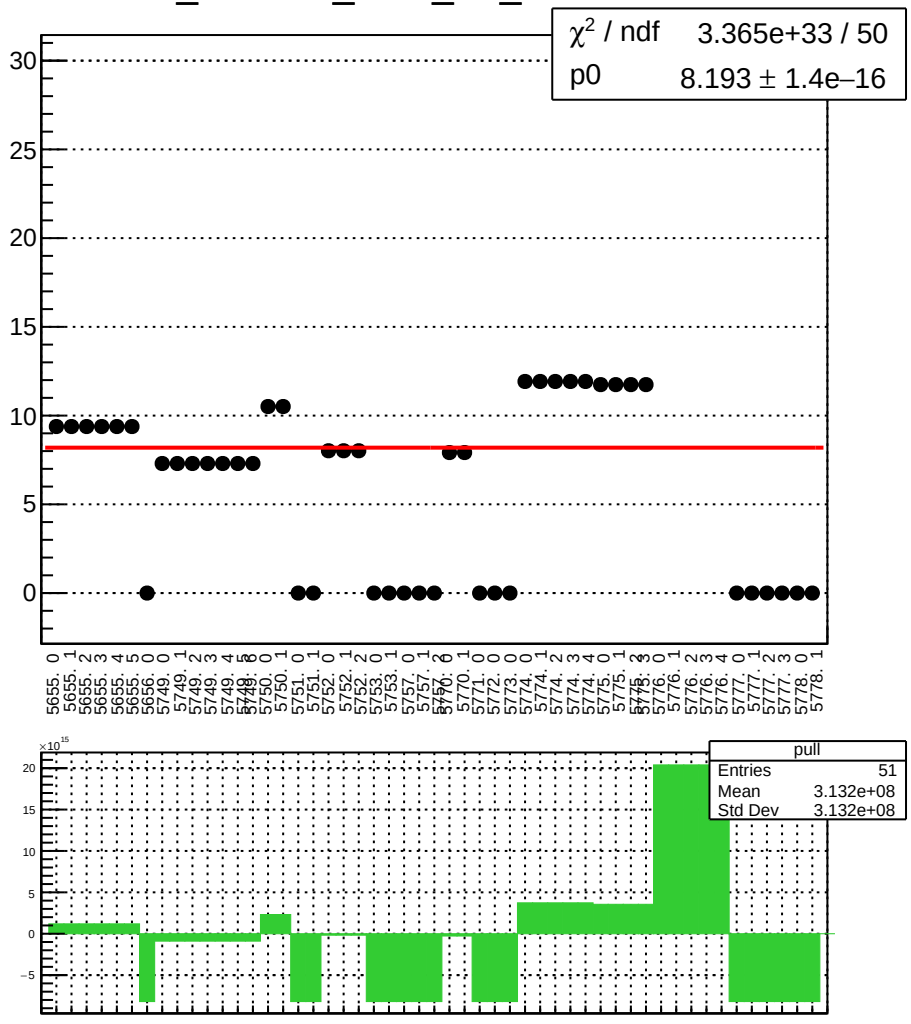

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

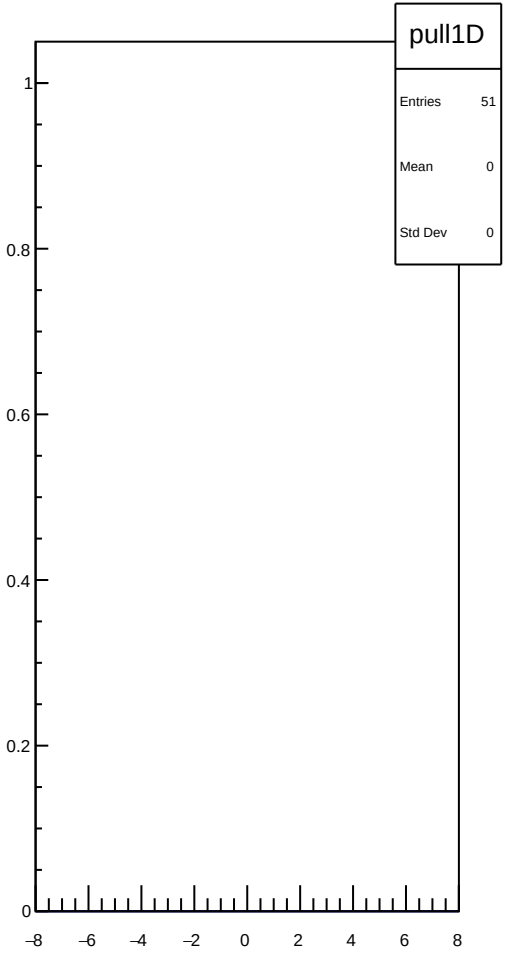

pull1D
Entries 51
Mean 0
Std Dev 0

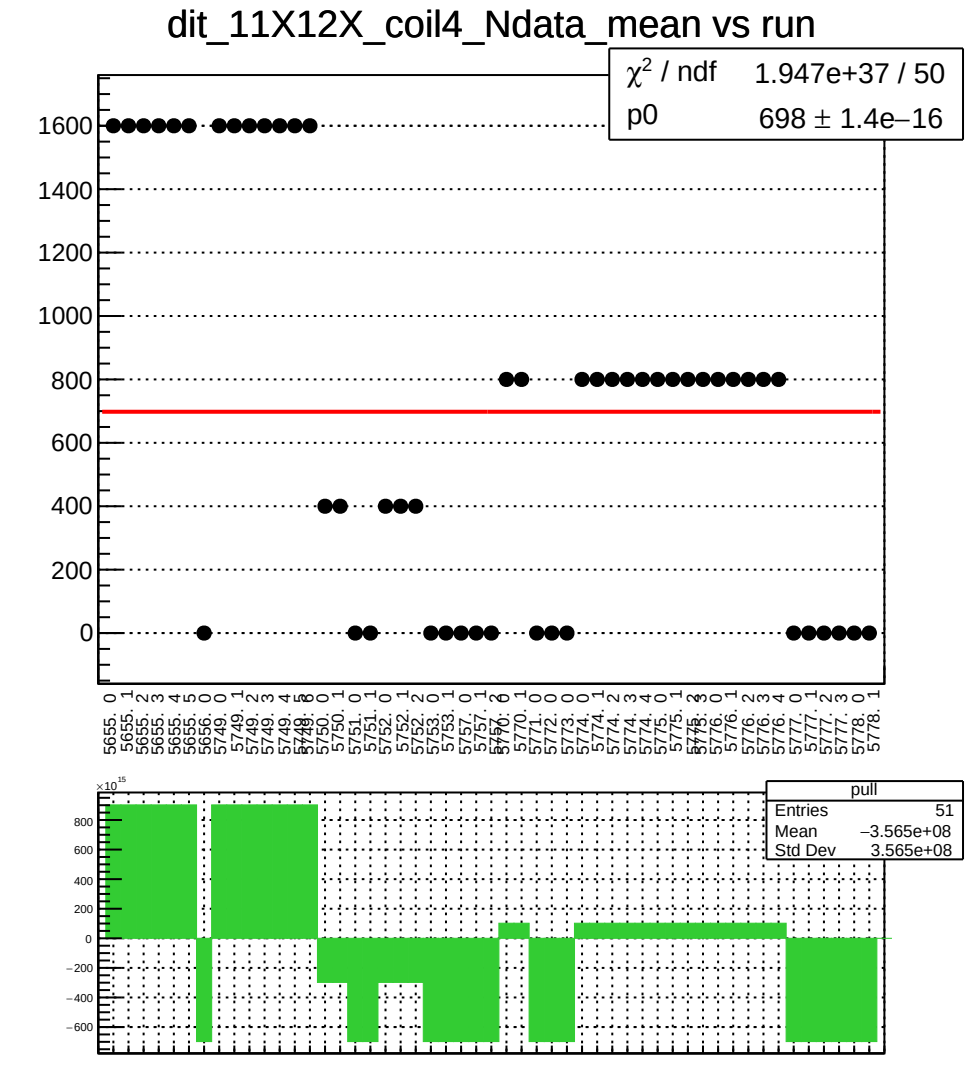

dit_11X12X_coil4_mean vs run
χ² / ndf 1.635e+32 / 50
p0 –0.6568 ± 1.4e–16
pull
Entries 51
Mean –1.202e+10
Std Dev 1.202e+10

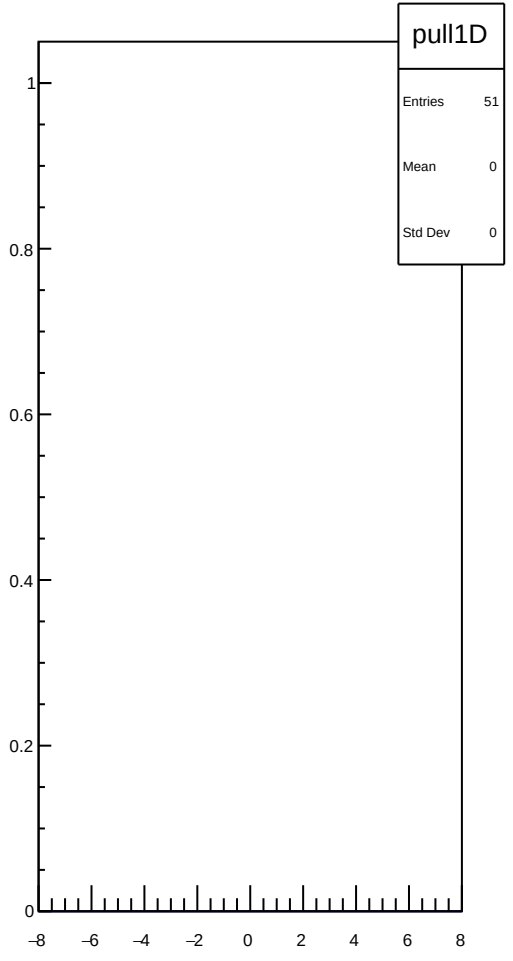

pull1D
Entries 51
Mean 0
Std Dev 0

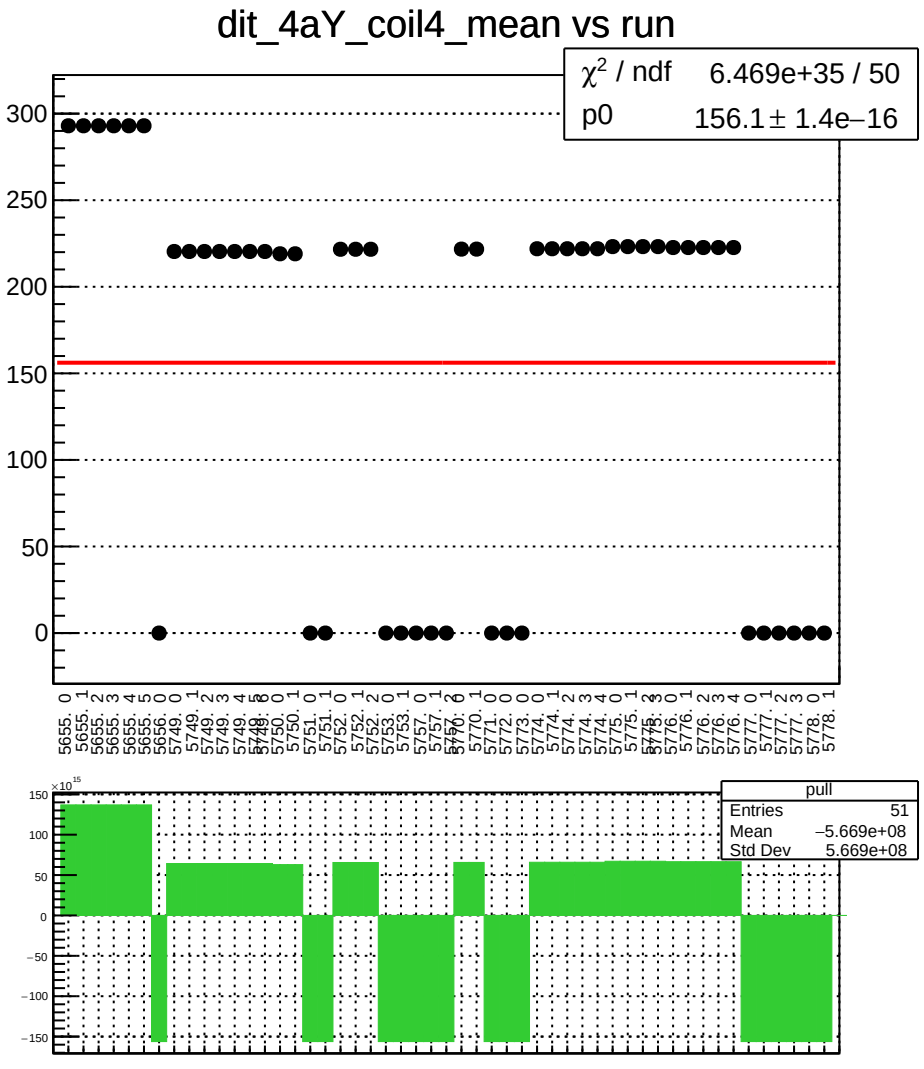
dit_11X12X_coil4_err_mean vs run

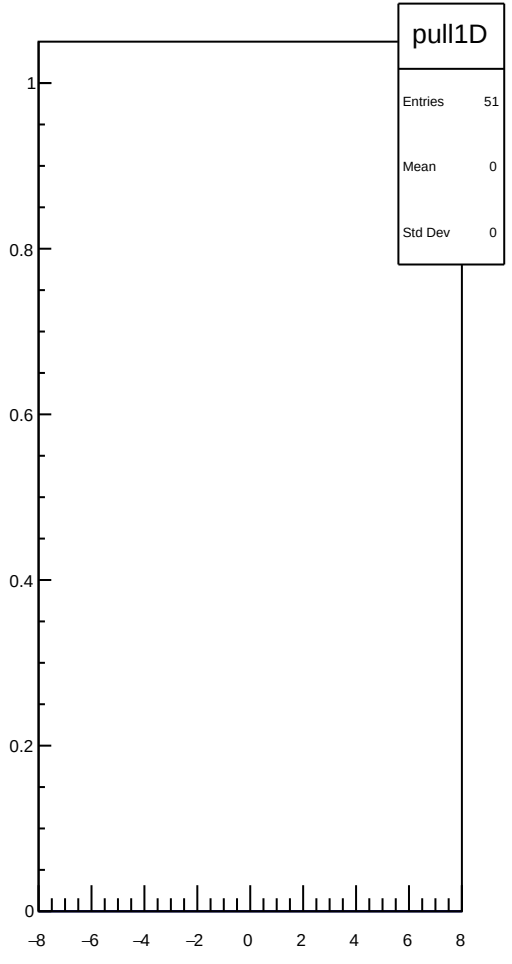


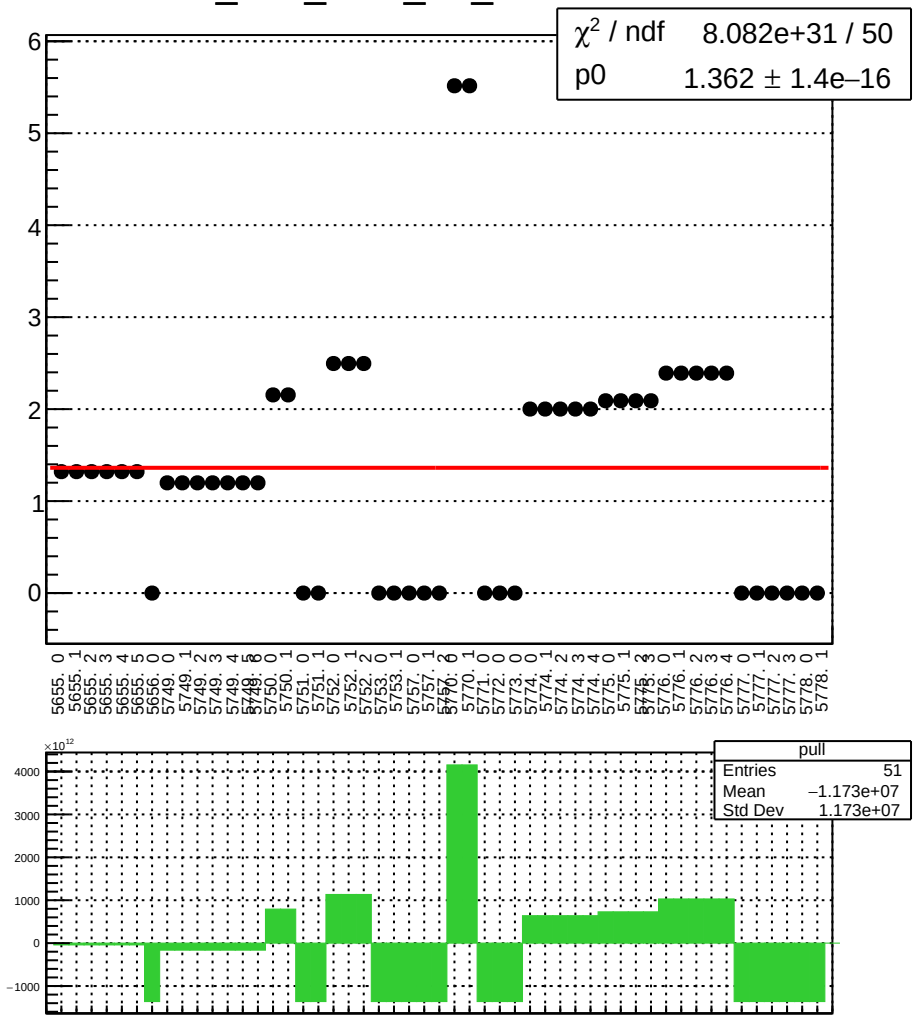


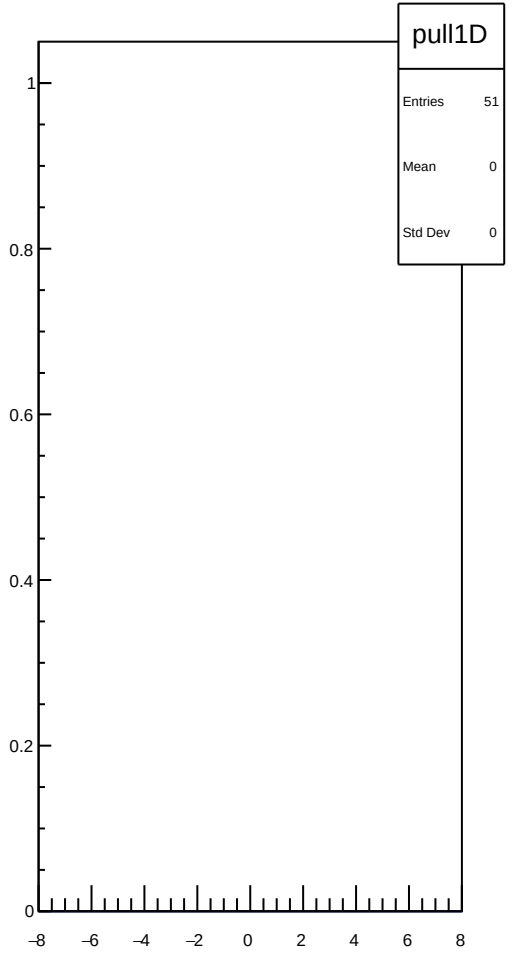

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

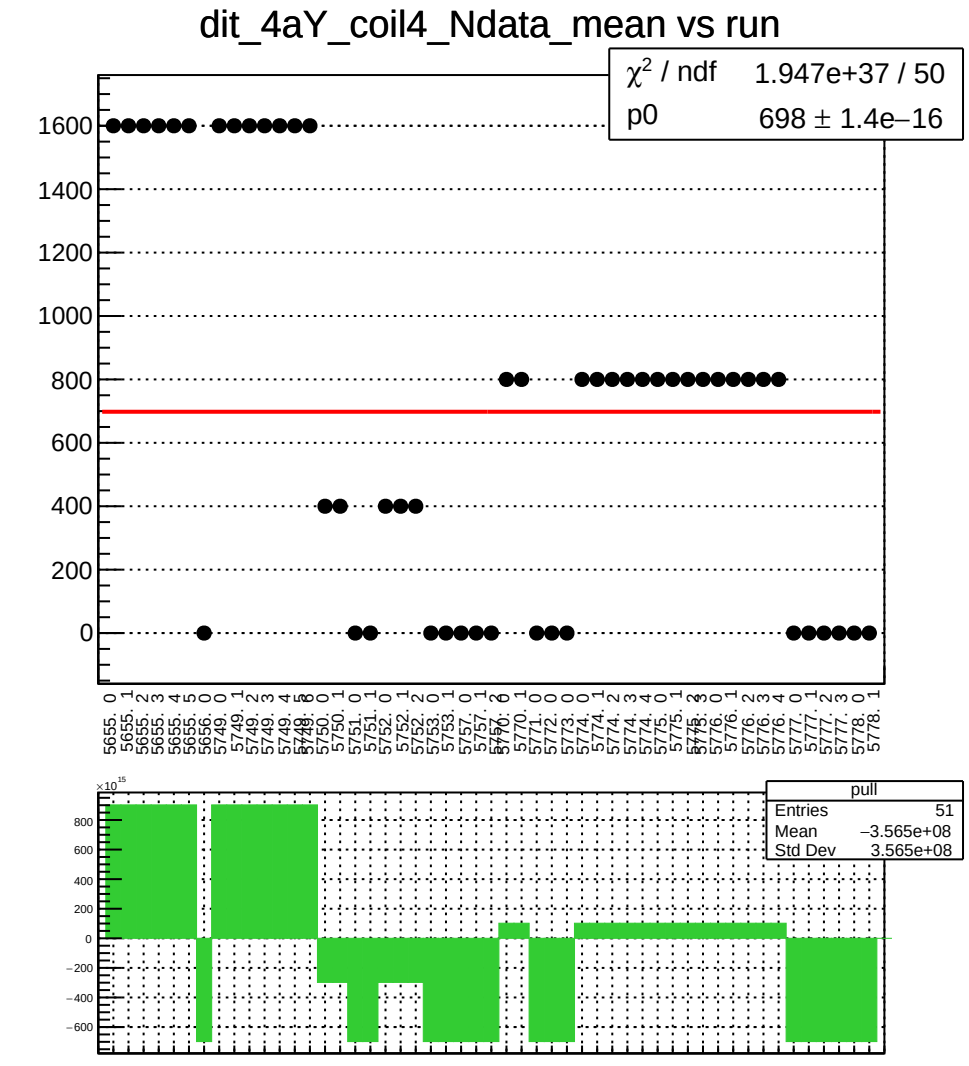

pull1D
Entries 51
Mean 0
Std Dev 0

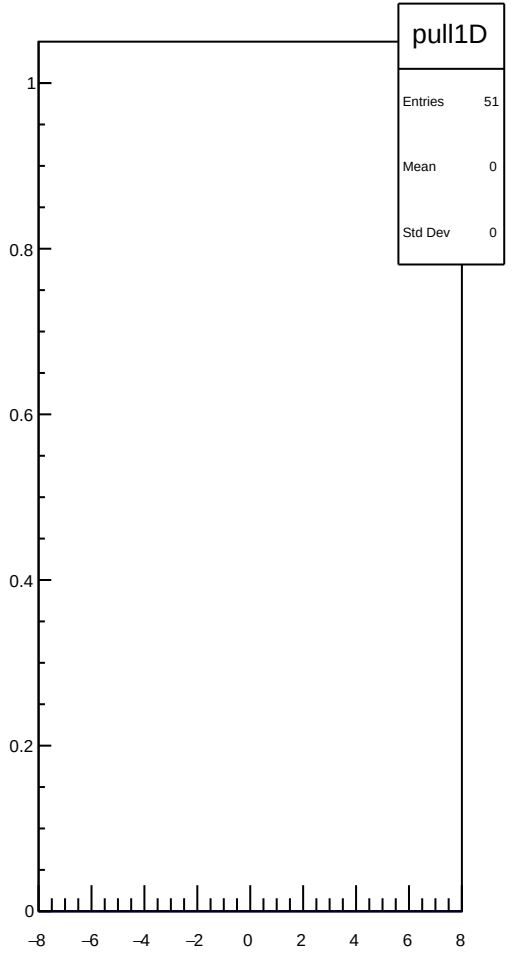

dit_4aY_coil4_mean vs run
χ² / ndf 6.469e+35 / 50
p0 156.1 ± 1.4e–16
pull
Entries 51
Mean –5.669e+08
Std Dev 5.669e+08

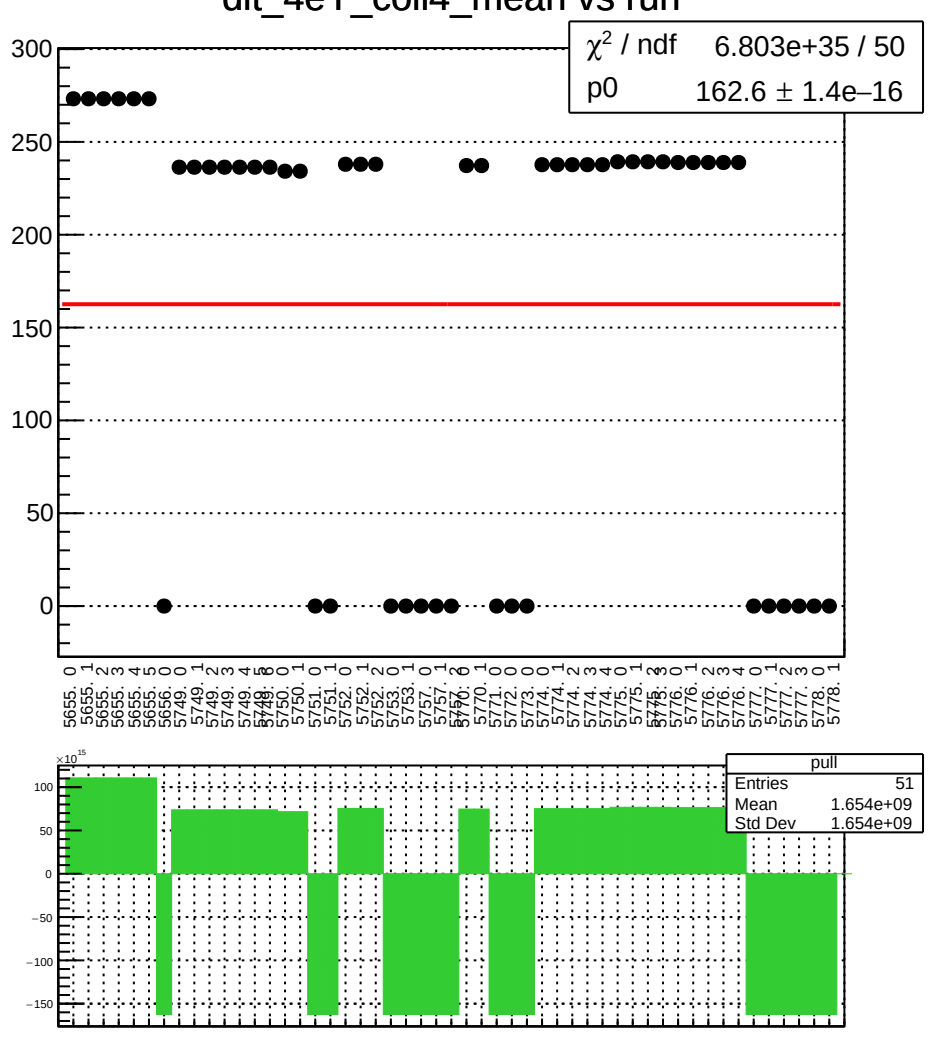

pull1D
Entries 51
Mean 0
Std Dev 0

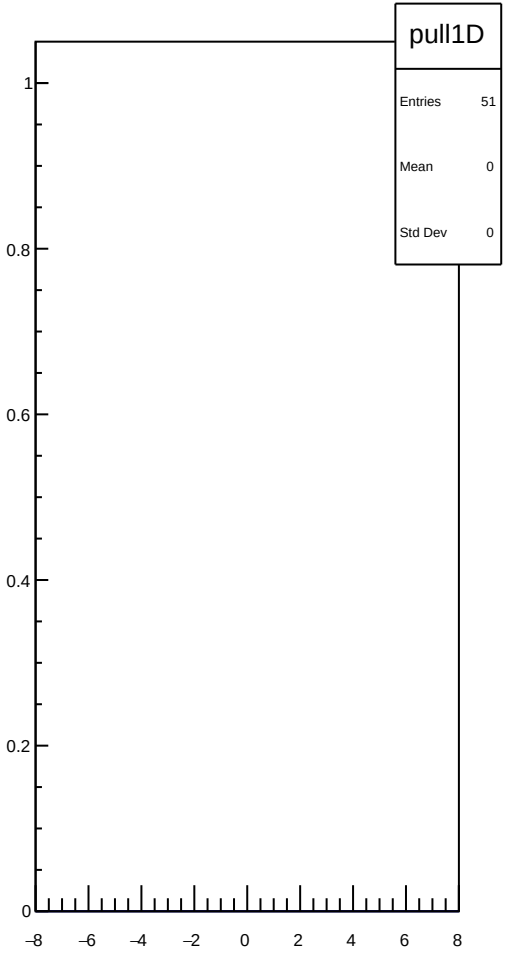

dit_4aY_coil4_err_mean vs run
χ² / ndf 8.082e+31 / 50
p0 1.362 ± 1.4e–16
pull
Entries 51
Mean –1.173e+07
Std Dev 1.173e+07

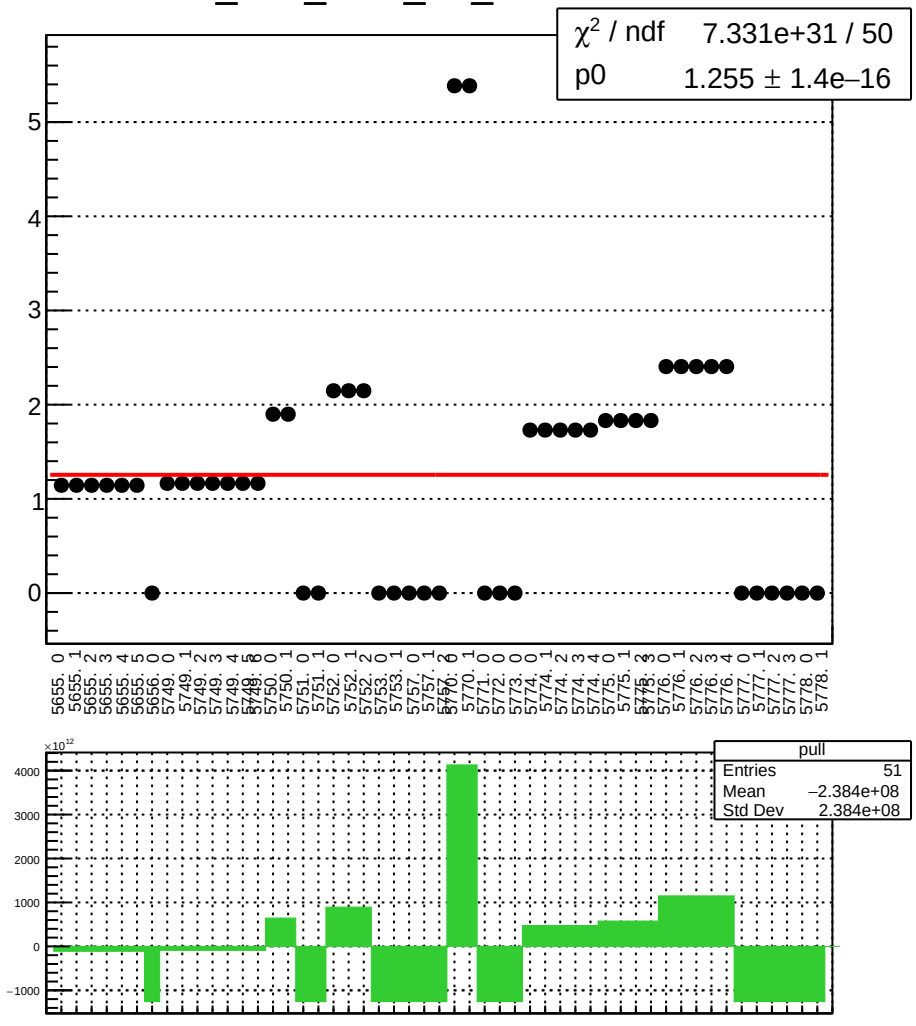

pull1D
Entries 51
Mean 0
Std Dev 0

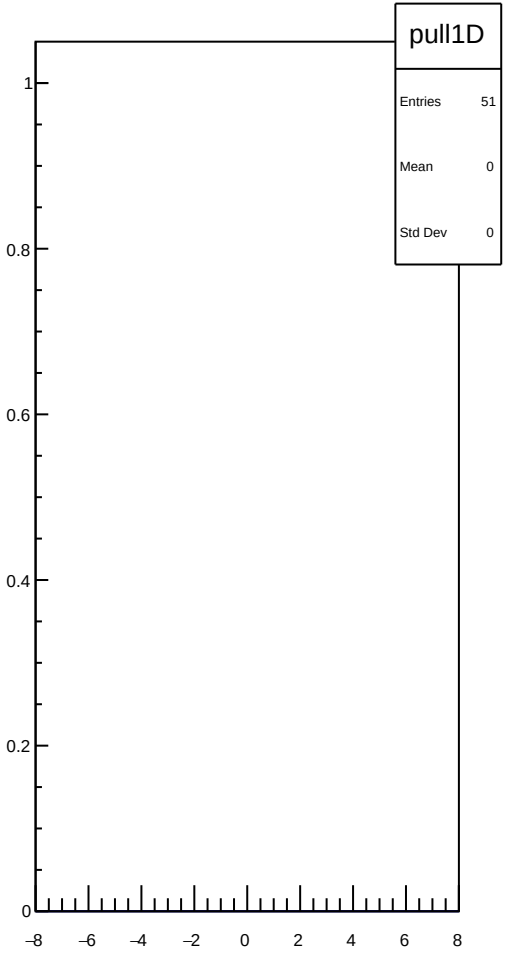

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

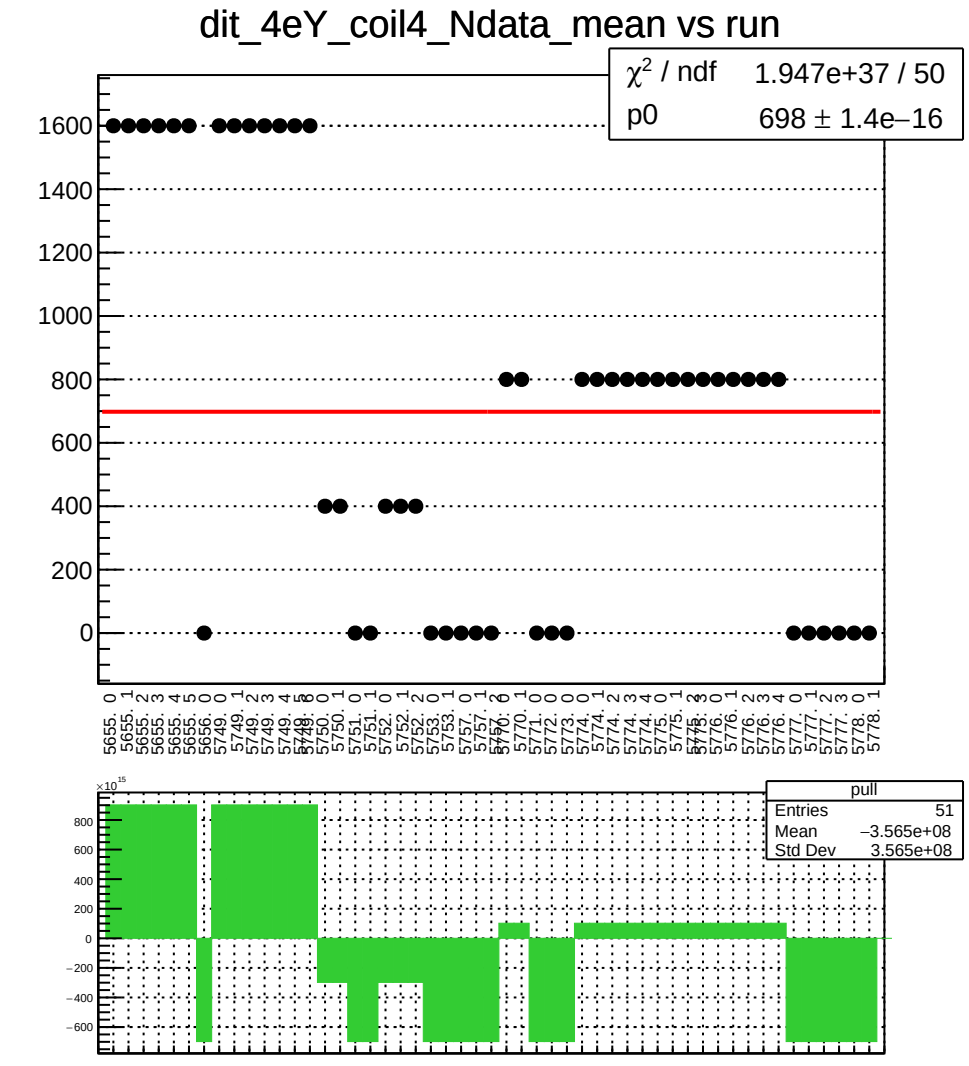

pull1D
Entries 51
Mean 0
Std Dev 0

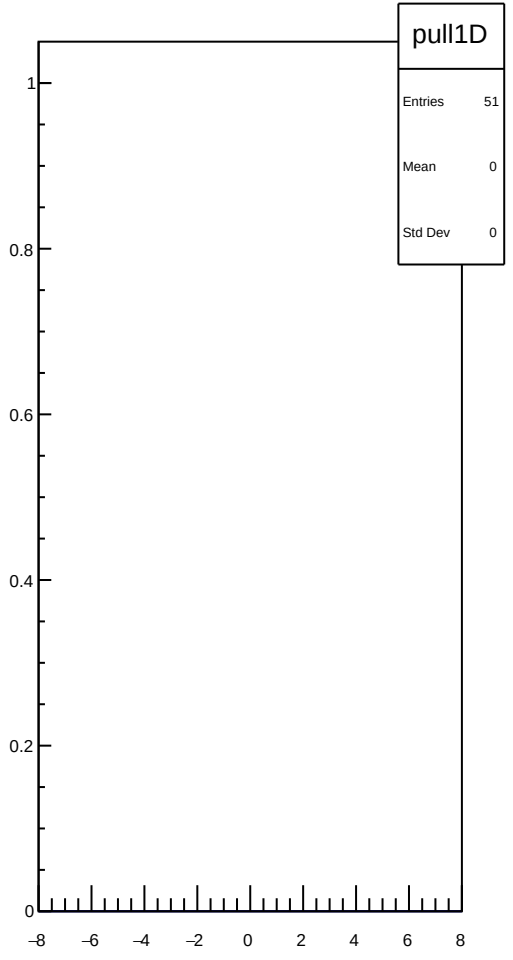

dit_4eY_coil4_mean vs run
χ² / ndf 6.803e+35 / 50
p0 162.6 ± 1.4e–16
300
250
200
150
100
50
0
pull
Entries 51
Mean 1.654e+09
Std Dev 1.654e+09
×10¹⁵
100
50
0
−50
−100
−150

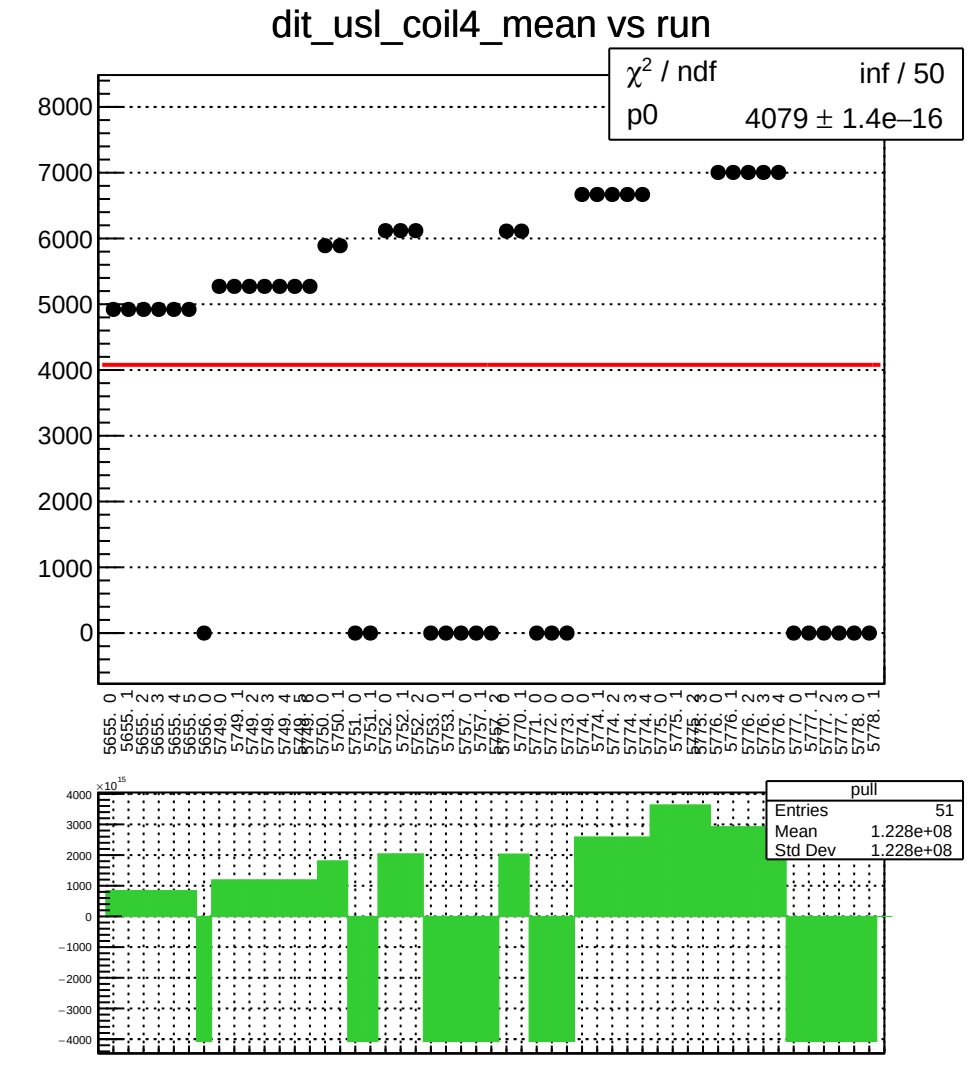

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

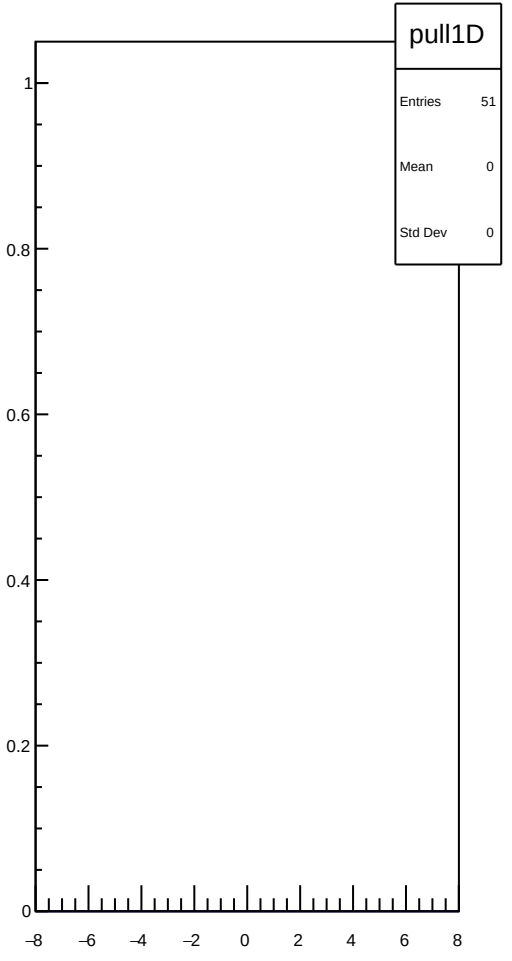

dit_4eY_coil4_err_mean vs run
χ² / ndf 7.331e+31 / 50
p0 1.255 ± 1.4e–16
pull
Entries 51
Mean –2.384e+08
Std Dev 2.384e+08

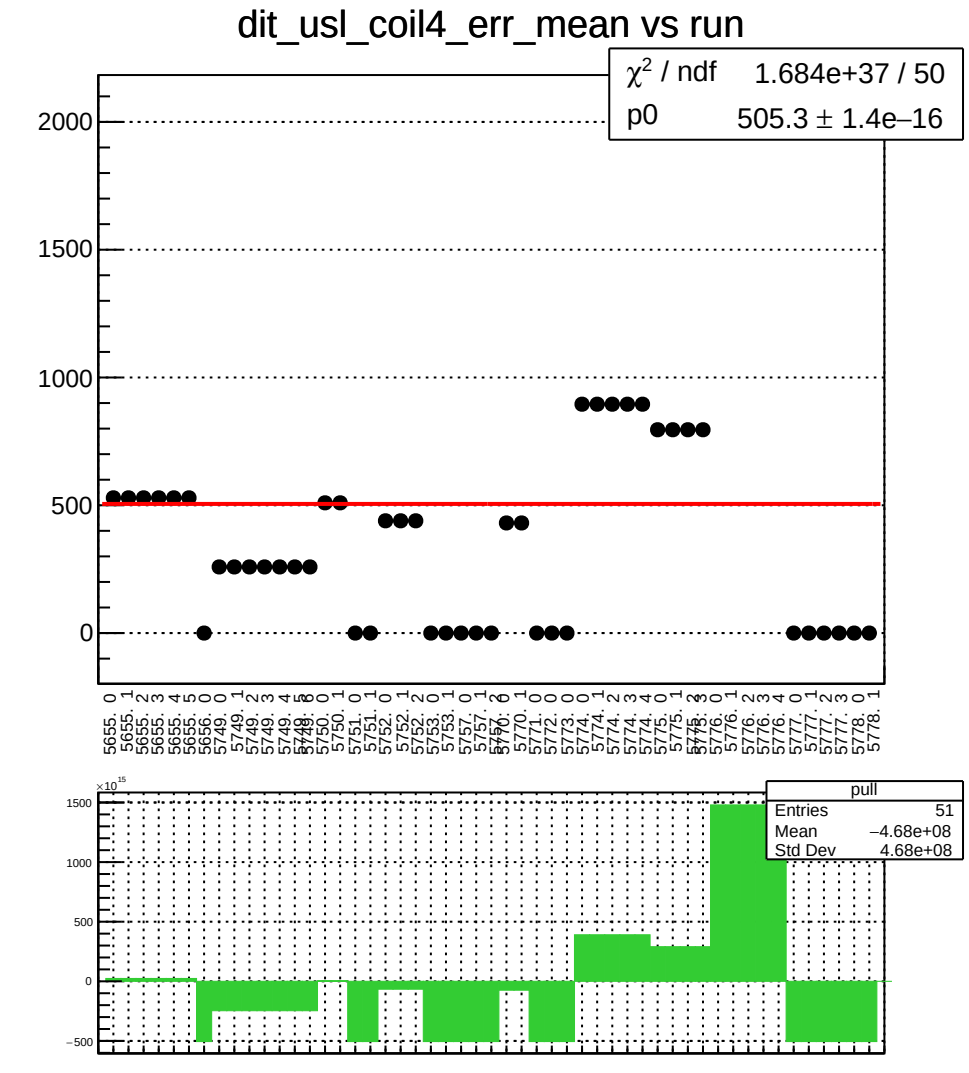

pull1D
Entries 51
Mean 0
Std Dev 0

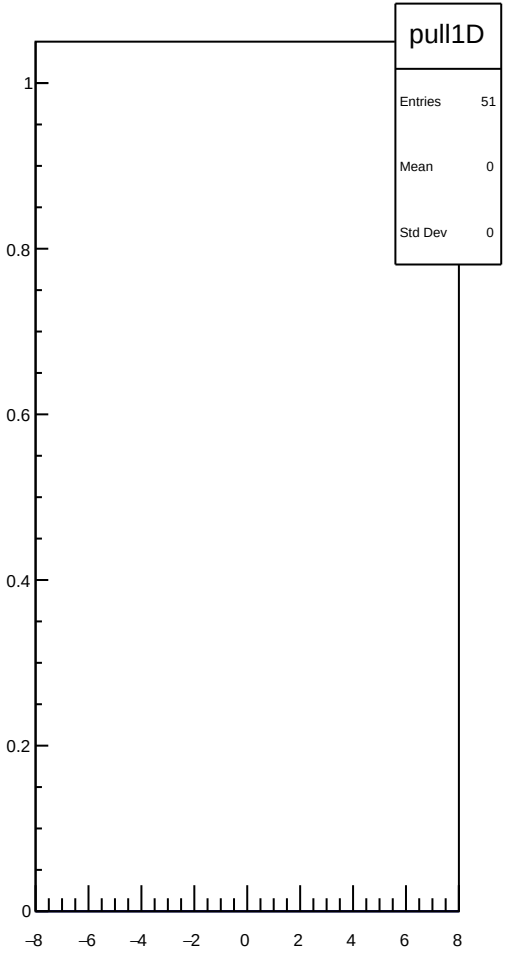

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

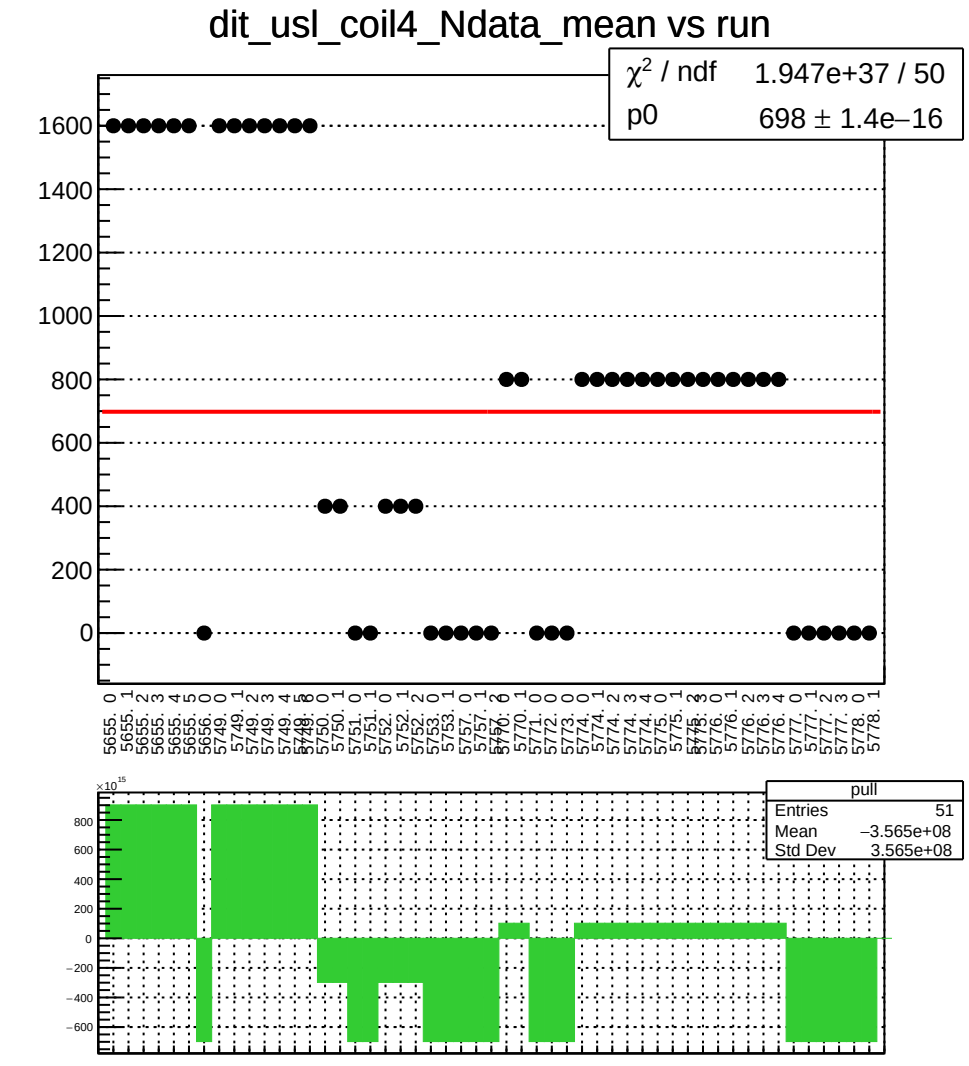

pull1D
Entries 51
Mean 0
Std Dev 0

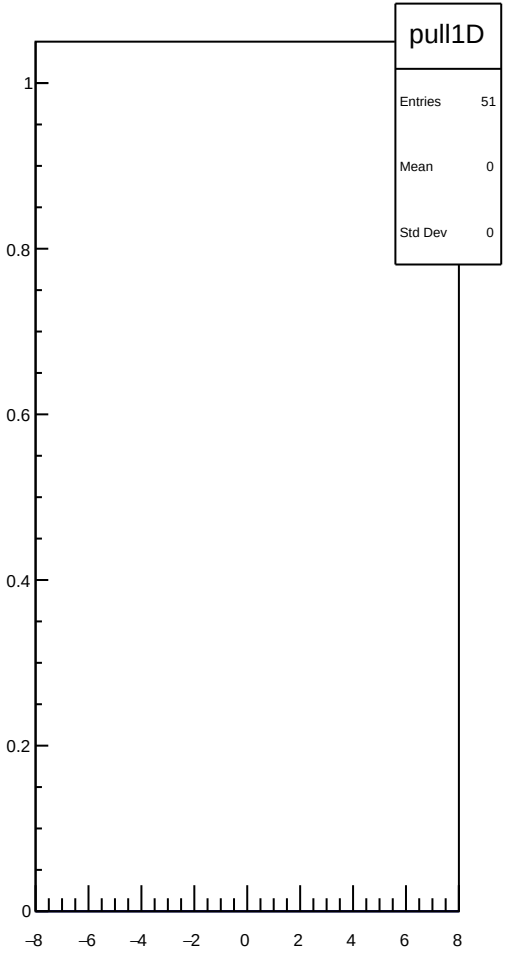

dit_usl_coil4_mean vs run
χ² / ndf inf / 50
p0 4079 ± 1.4e–16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 51
Mean 1.228e+08
Std Dev 1.228e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000

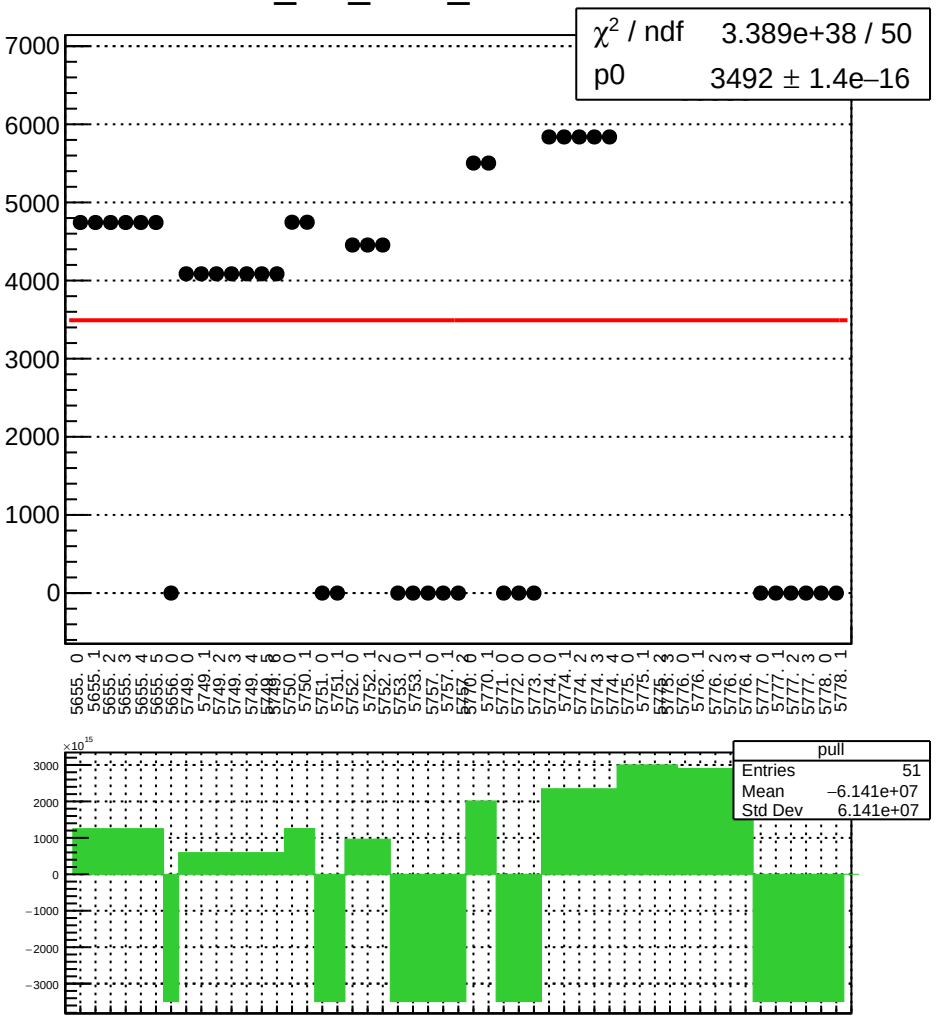

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

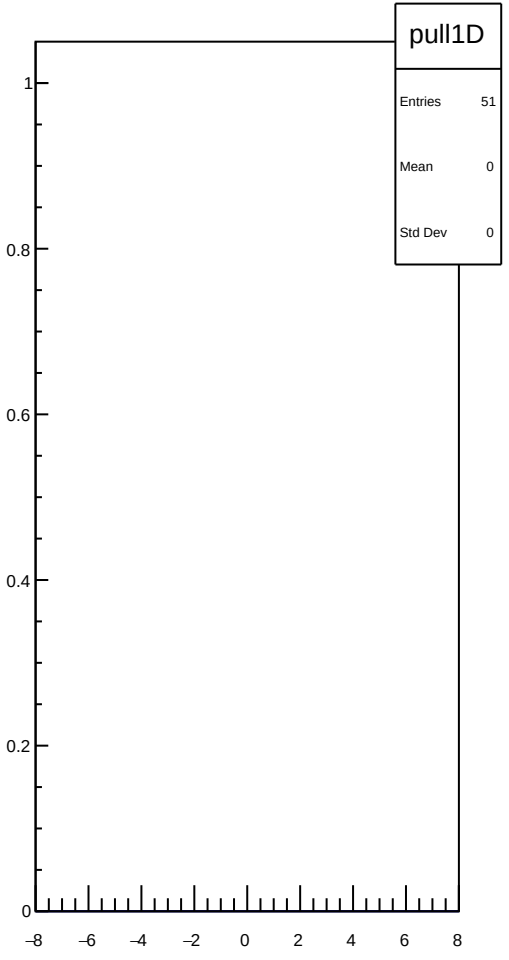

dit_usl_coil4_err_mean vs run
χ² / ndf 1.684e+37 / 50
p0 505.3 ± 1.4e–16
2000
1500
1000
500
0
pull
Entries 51
Mean –4.68e+08
Std Dev 4.68e+08
×10¹⁵
1500
1000
500
0
−500

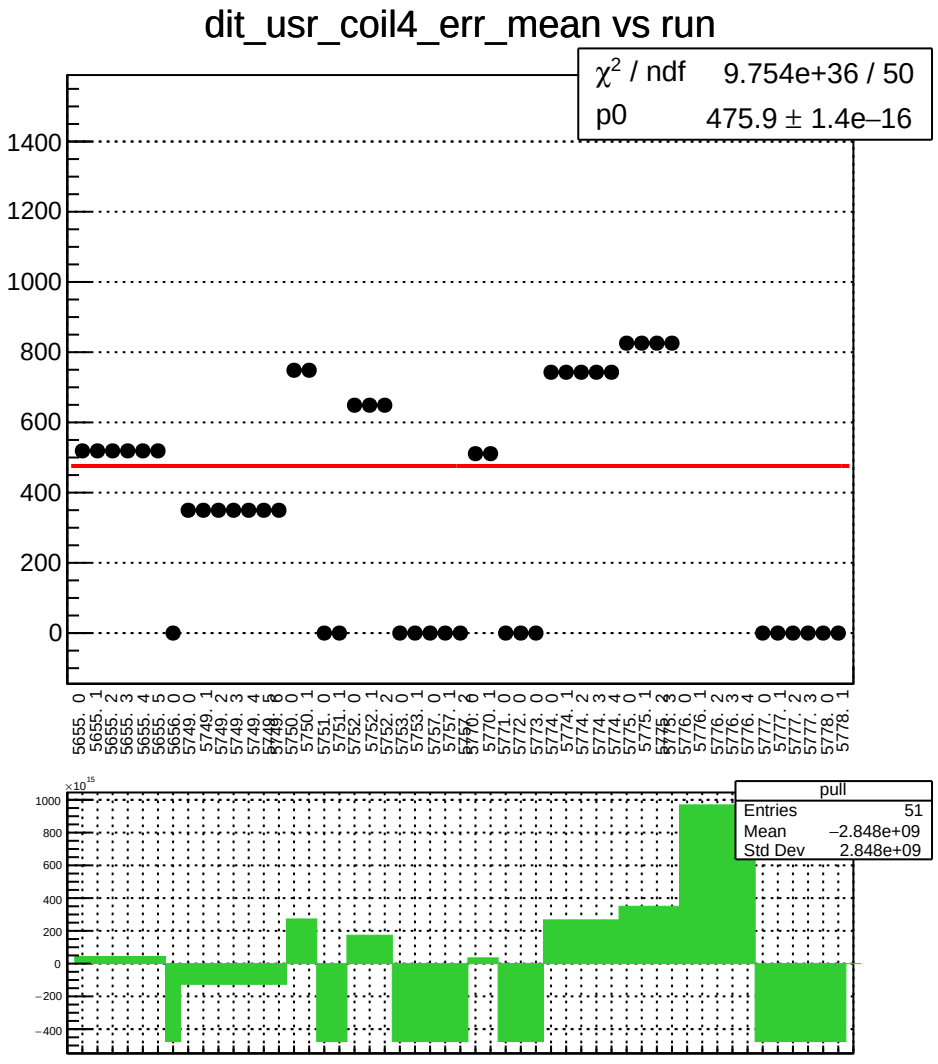

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

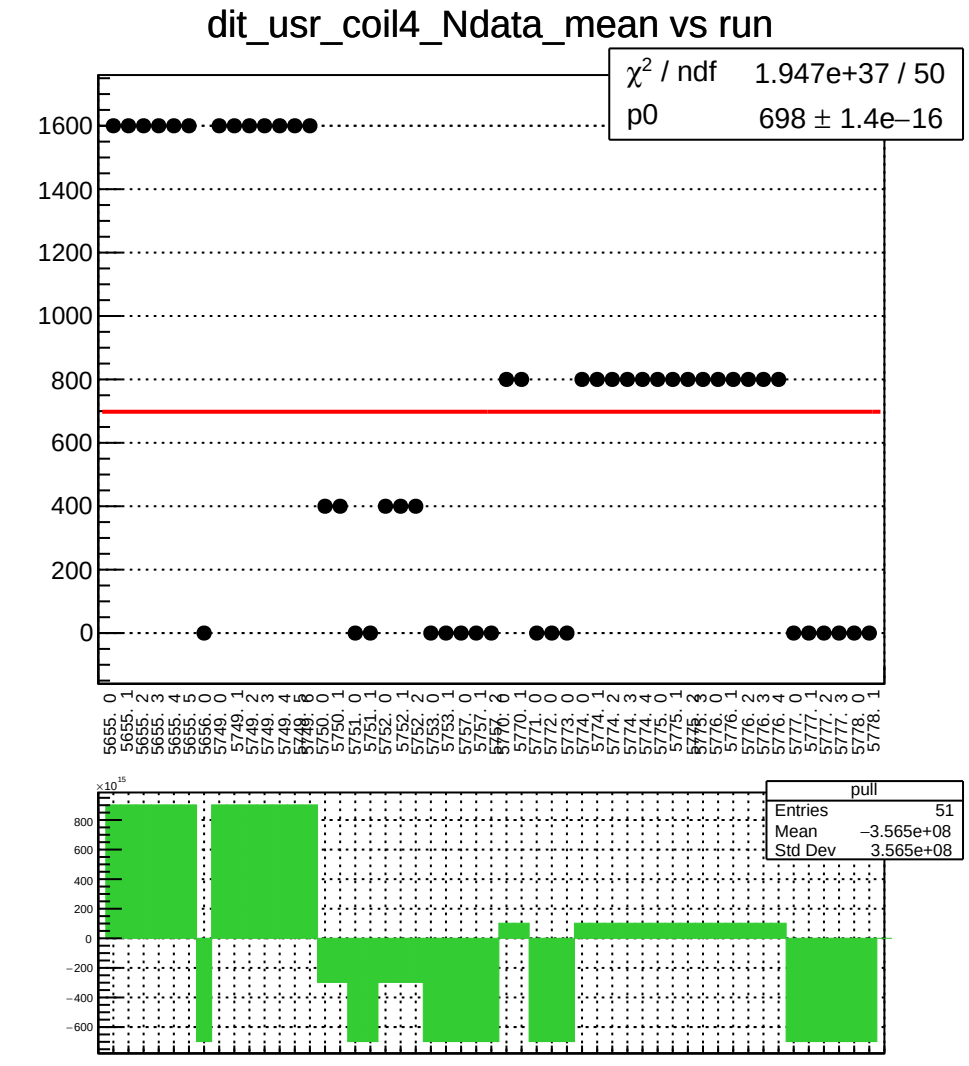

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

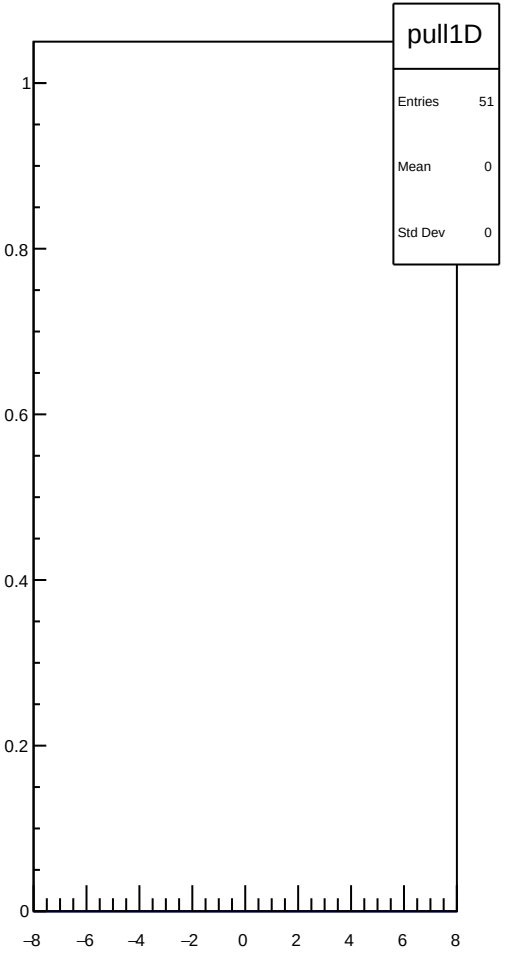

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

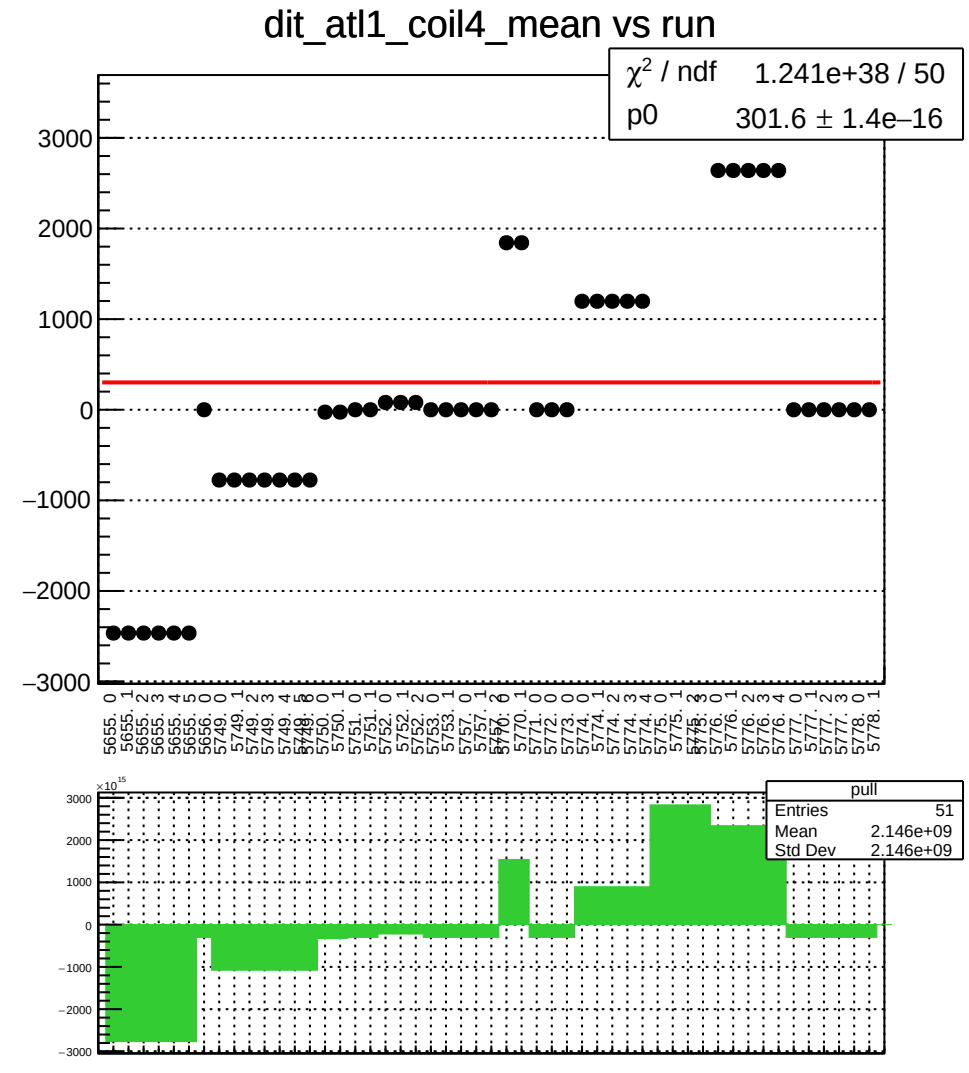

dit_usr_coil4_mean vs run
χ² / ndf 3.389e+38 / 50
p0 3492 ± 1.4e–16
pull
Entries 51
Mean –6.141e+07
Std Dev 6.141e+07

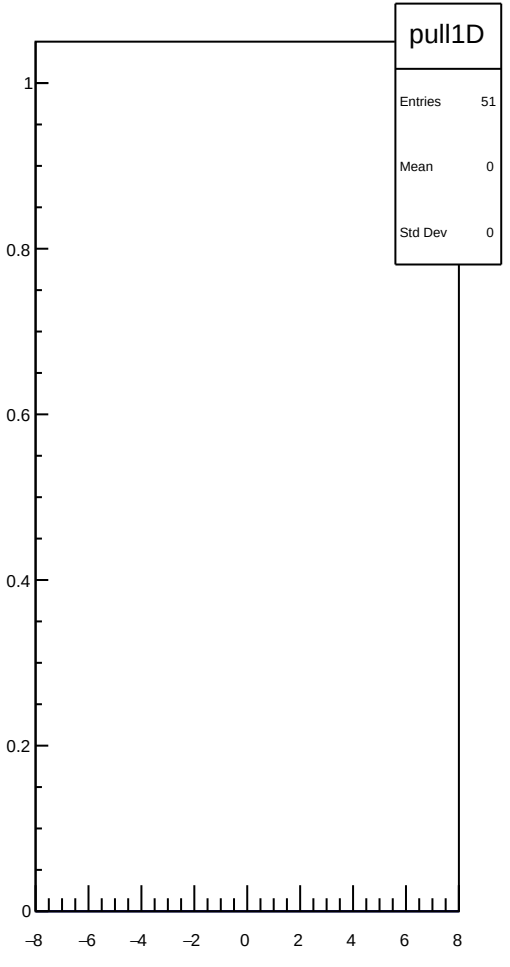

pull1D
Entries 51
Mean 0
Std Dev 0

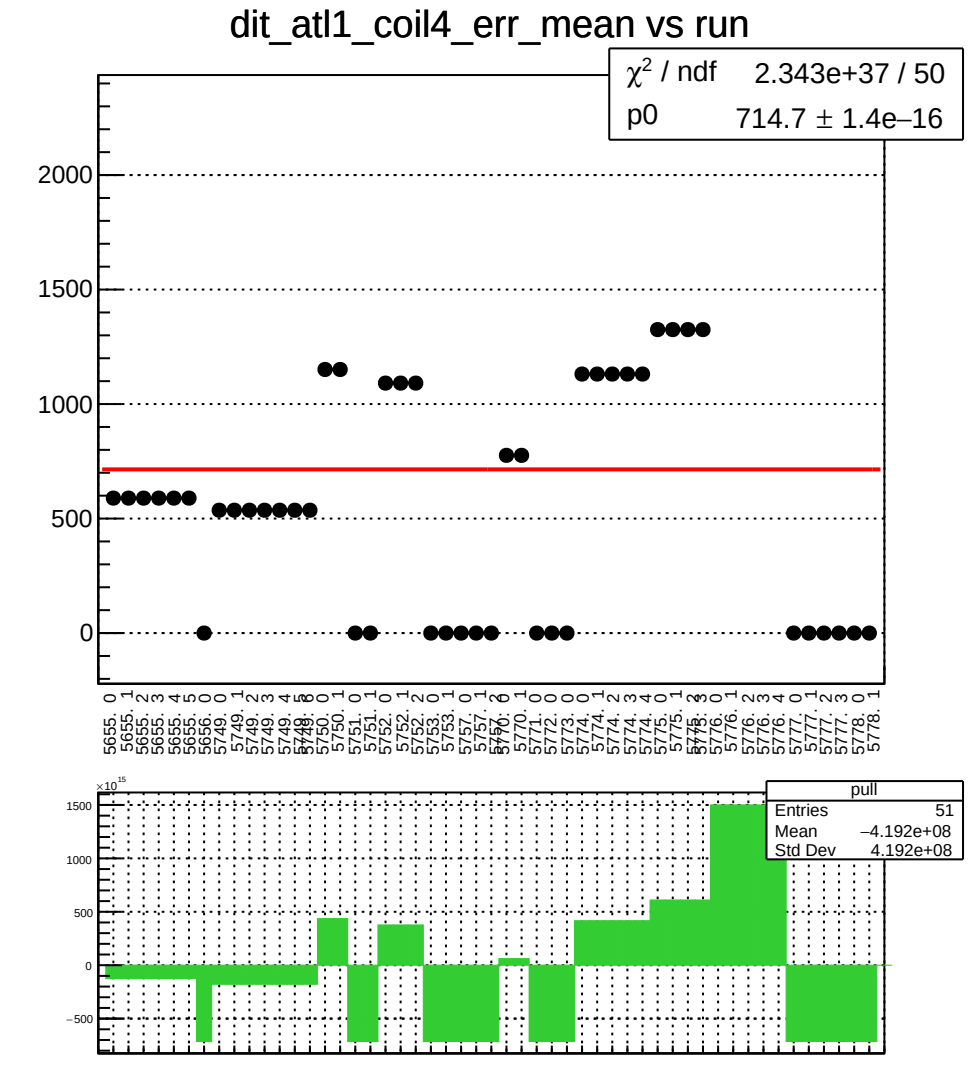

dit_usr_coil4_err_mean vs run
χ² / ndf 9.754e+36 / 50
p0 475.9 ± 1.4e–16
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
pull
Entries 51
Mean −2.848e+09
Std Dev 2.848e+09
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

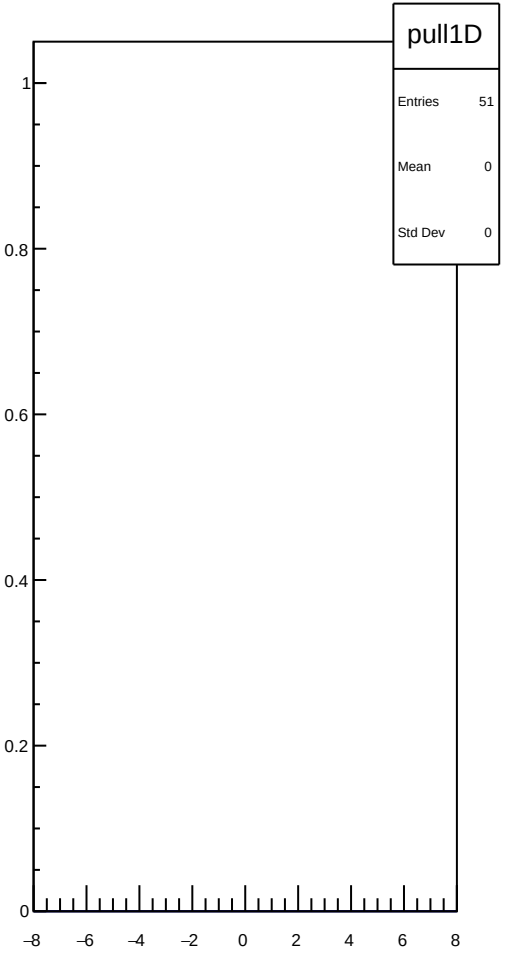

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

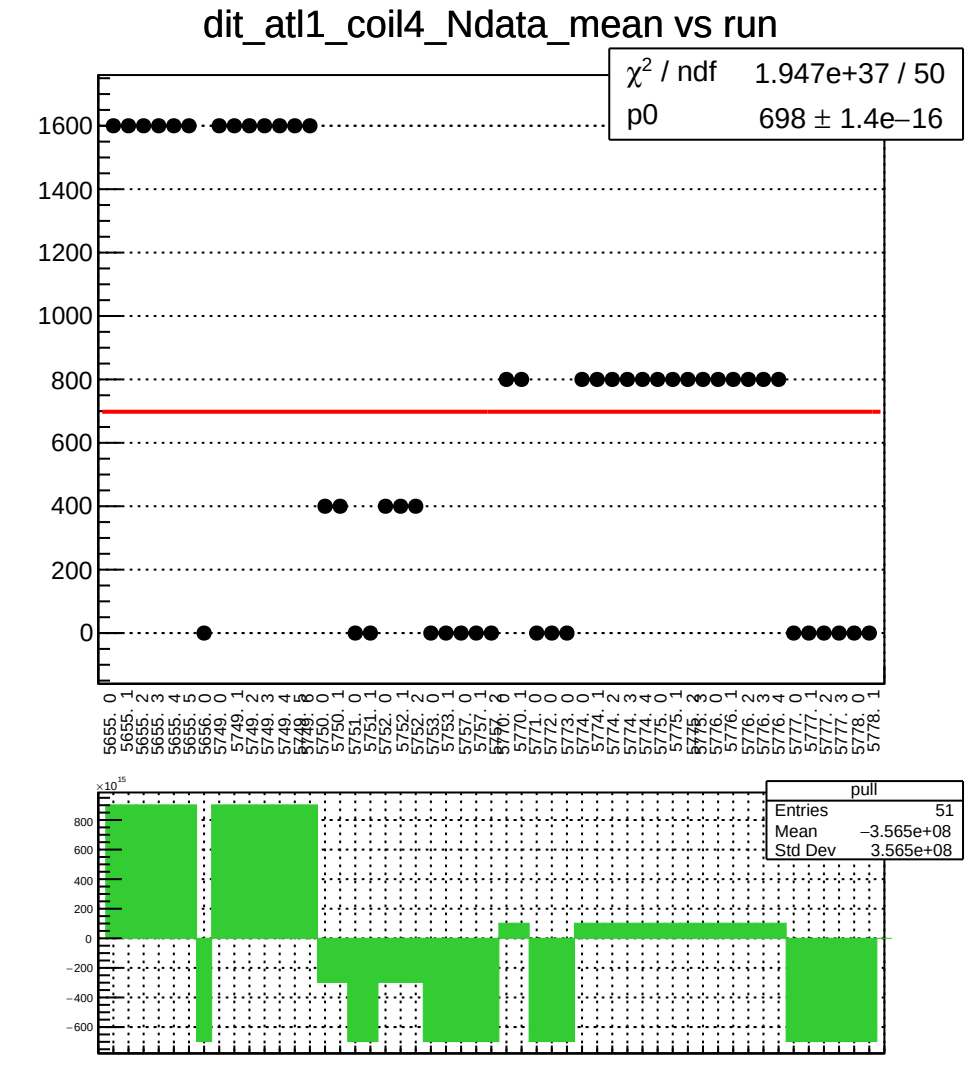

pull1D
Entries 51
Mean 0
Std Dev 0

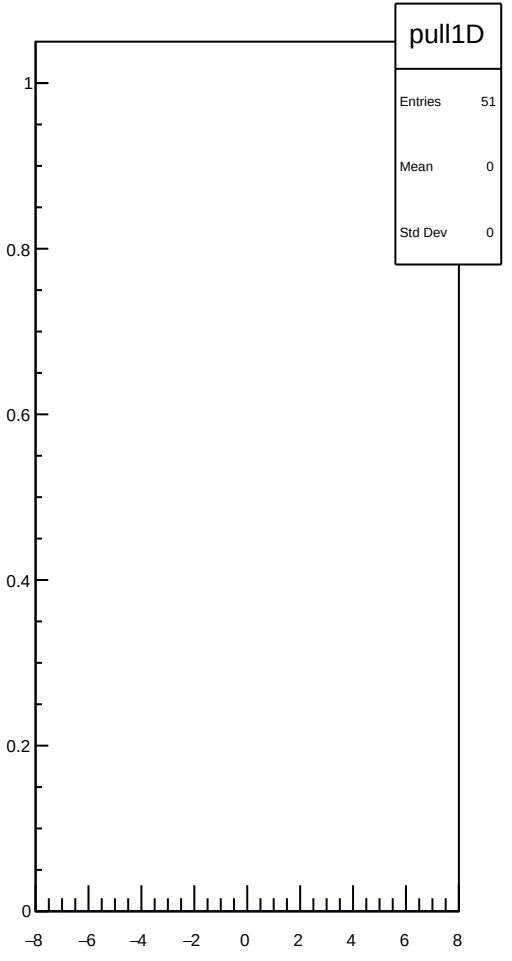

dit_atl1_coil4_mean vs run
χ² / ndf 1.241e+38 / 50
p0 301.6 ± 1.4e–16
pull
Entries 51
Mean 2.146e+09
Std Dev 2.146e+09

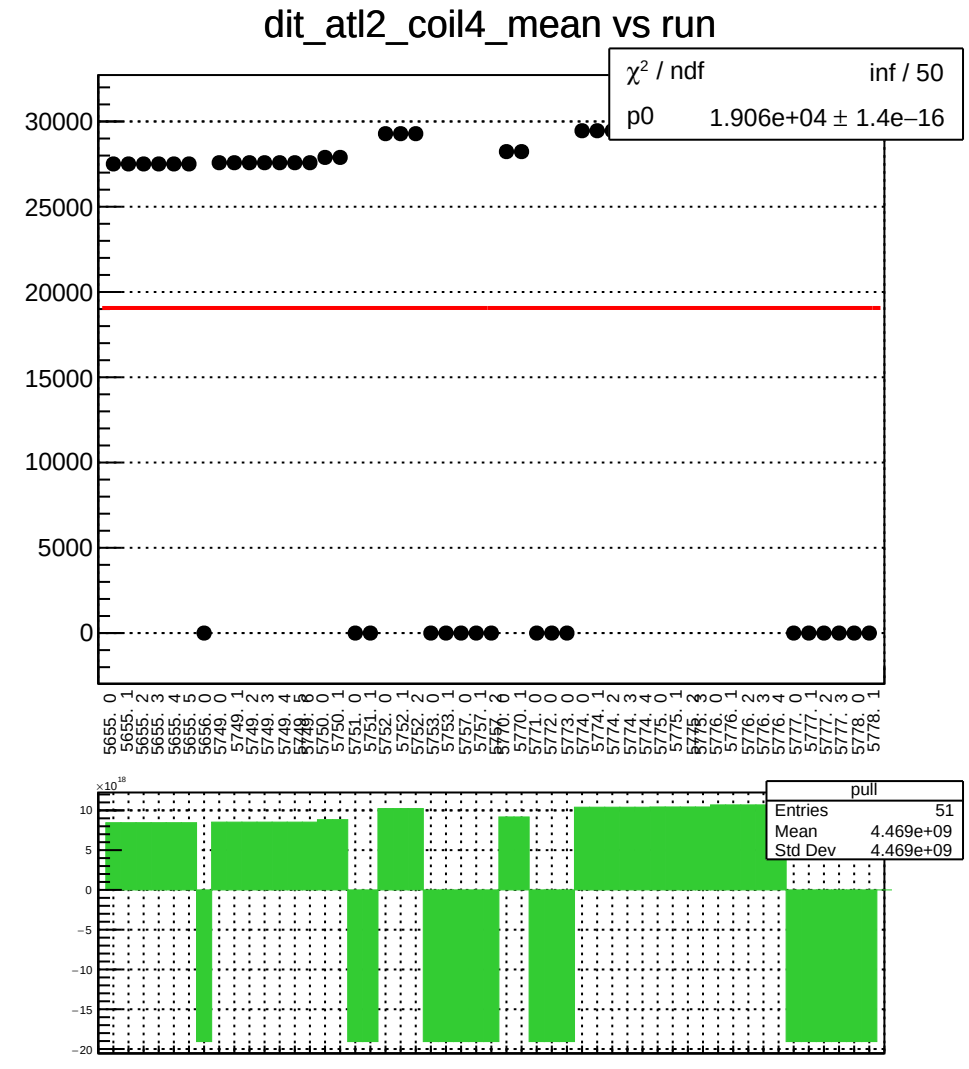

pull1D
Entries 51
Mean 0
Std Dev 0

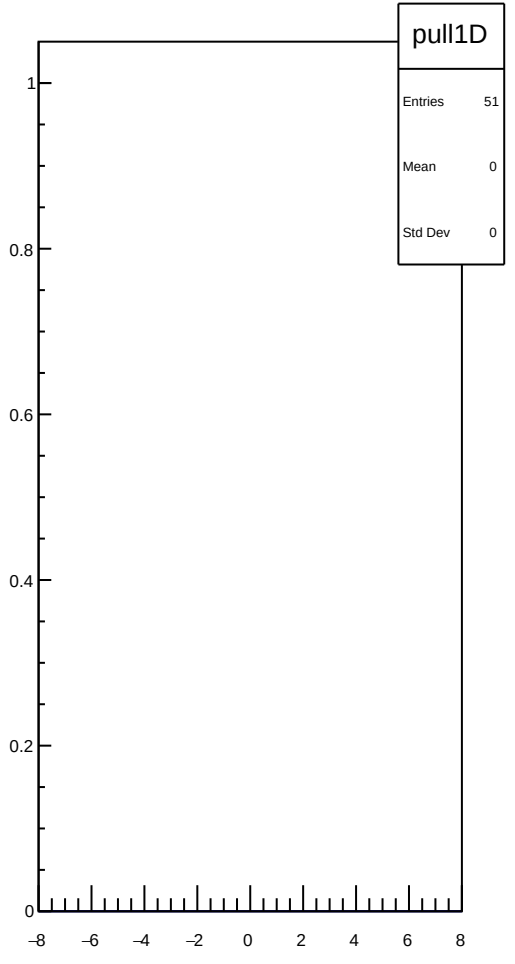

dit_atl1_coil4_err_mean vs run
χ² / ndf 2.343e+37 / 50
p0 714.7 ± 1.4e–16
2000
1500
1000
500
0
pull
Entries 51
Mean –4.192e+08
Std Dev 4.192e+08
×10¹⁵
1500
1000
500
0
−500

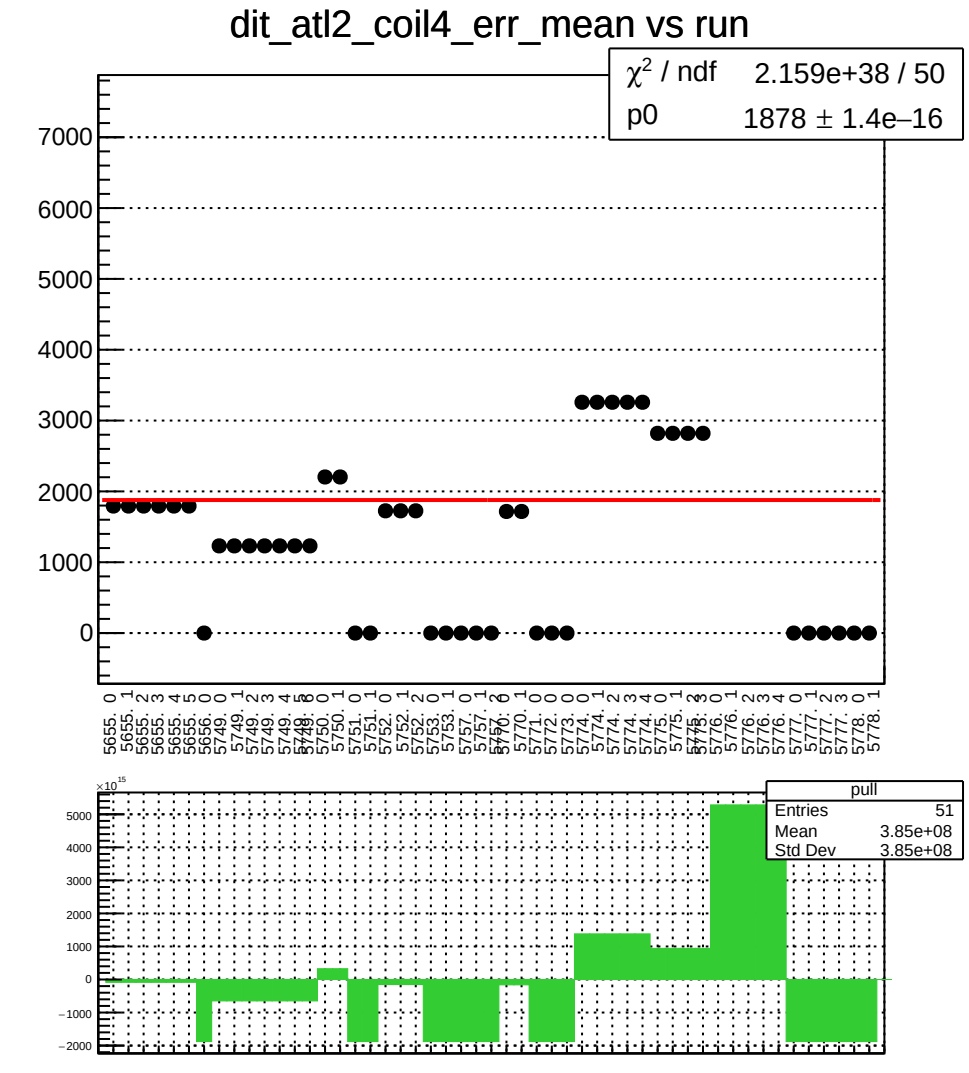

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

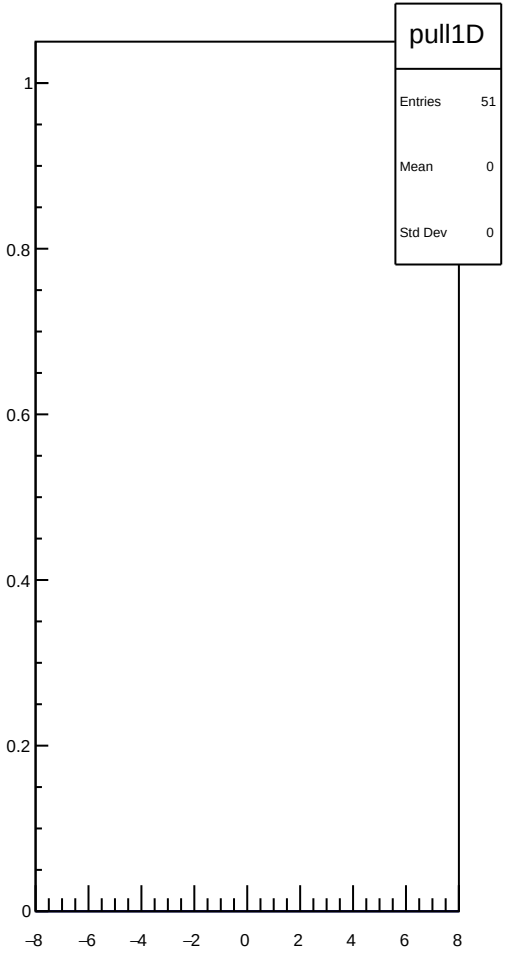

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

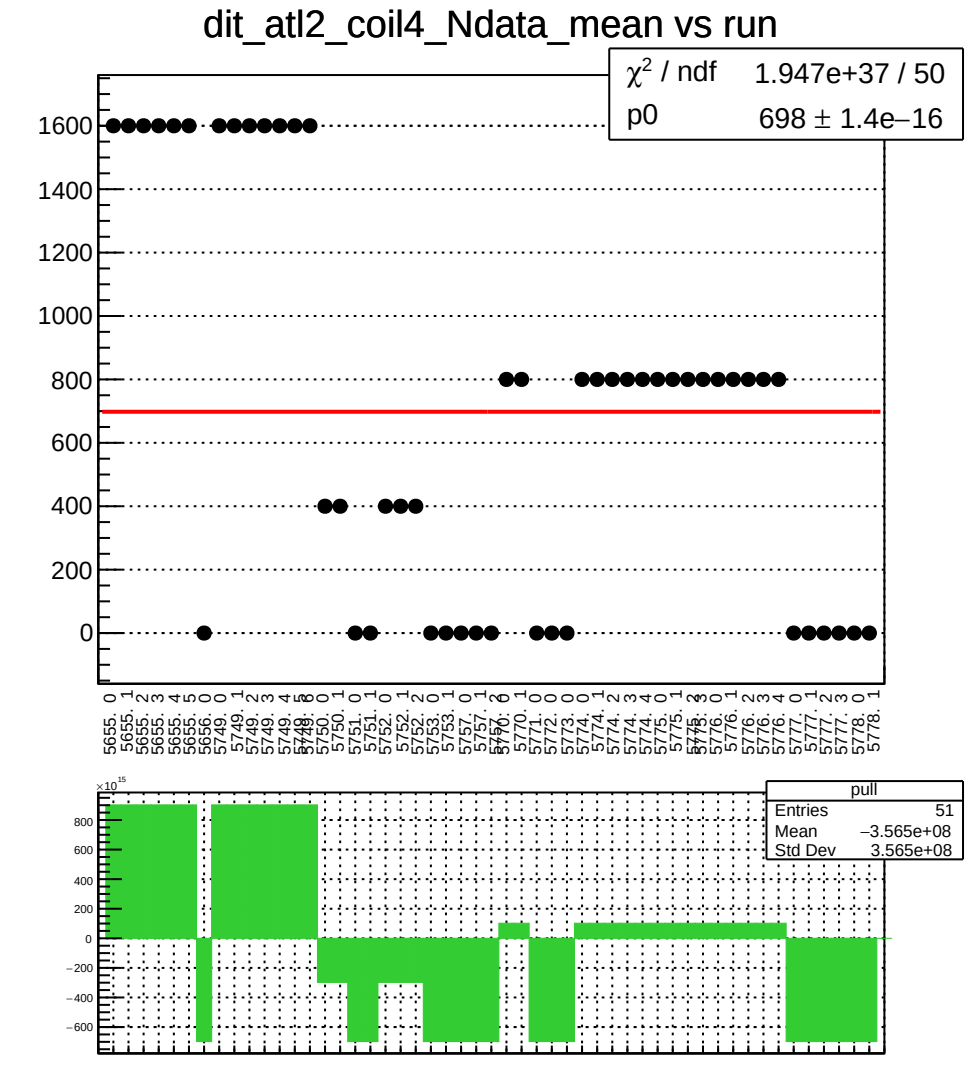

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

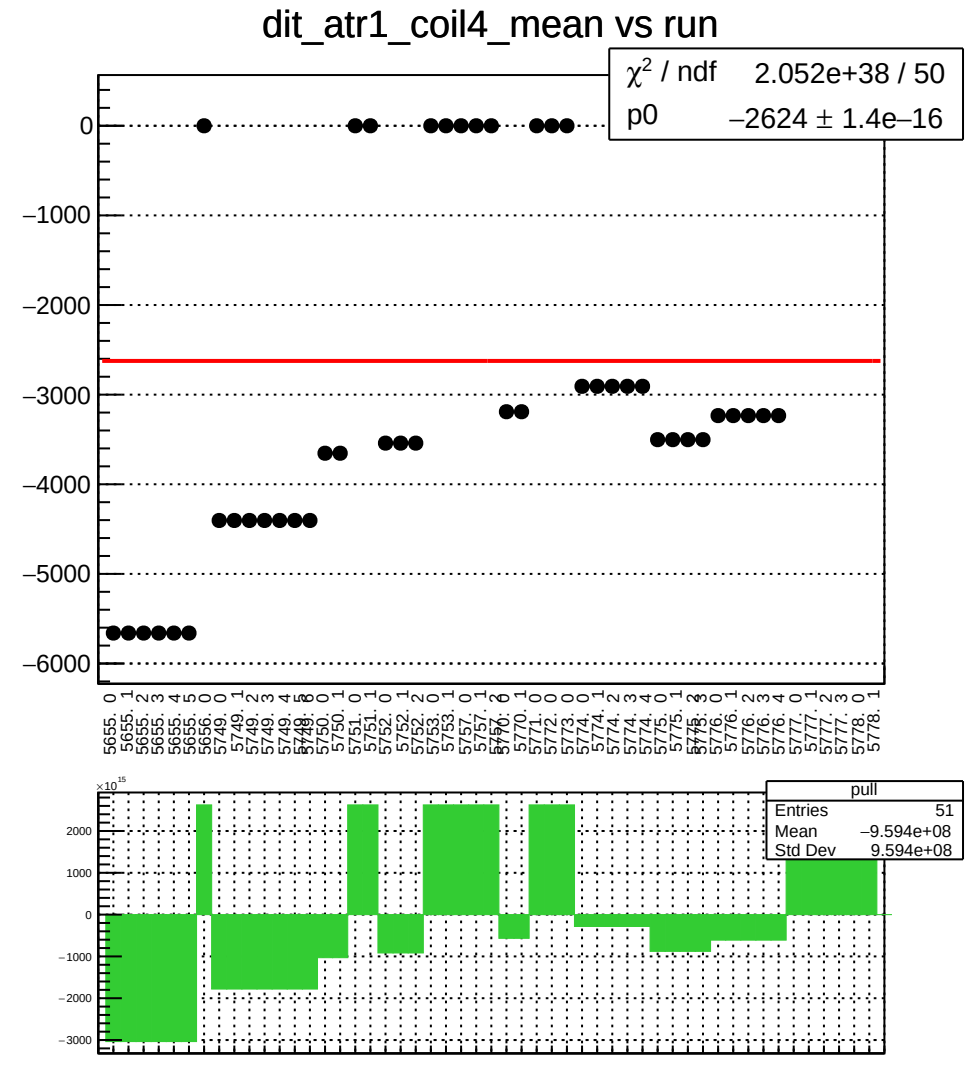

dit_atl2_coil4_mean vs run
χ² / ndf inf / 50
p0 1.906e+04 ± 1.4e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean 4.469e+09
Std Dev 4.469e+09
×10¹⁸
10
5
0
−5
−10
−15
−20

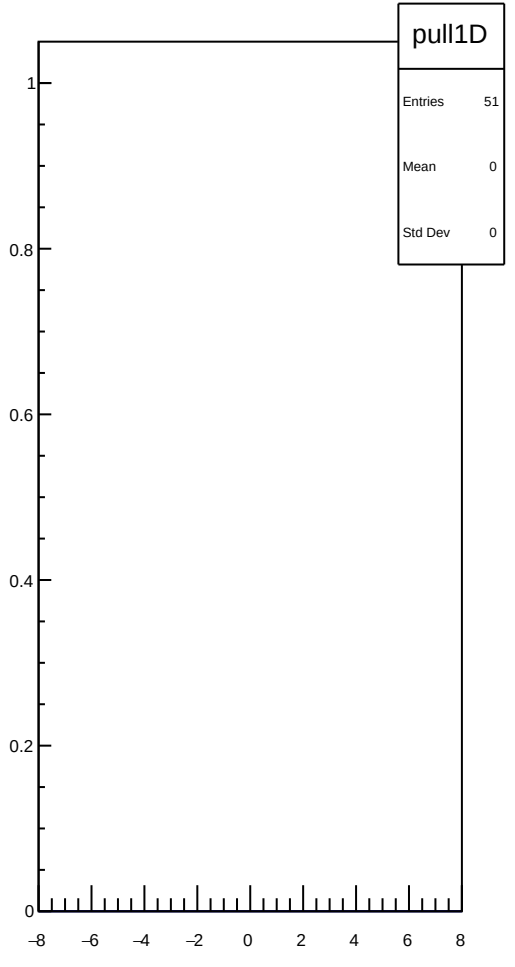

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

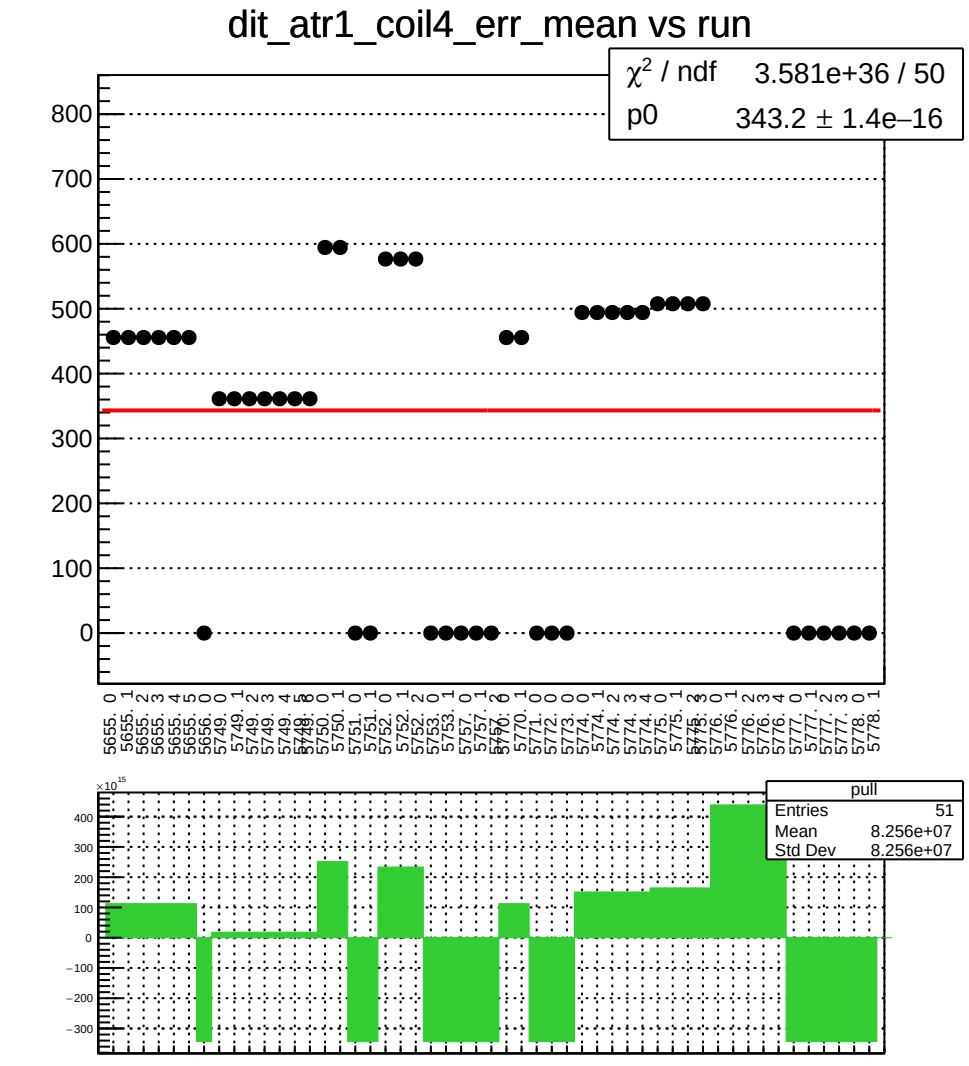

dit_atl2_coil4_err_mean vs run
χ² / ndf 2.159e+38 / 50
p0 1878 ± 1.4e–16
pull
Entries 51
Mean 3.85e+08
Std Dev 3.85e+08

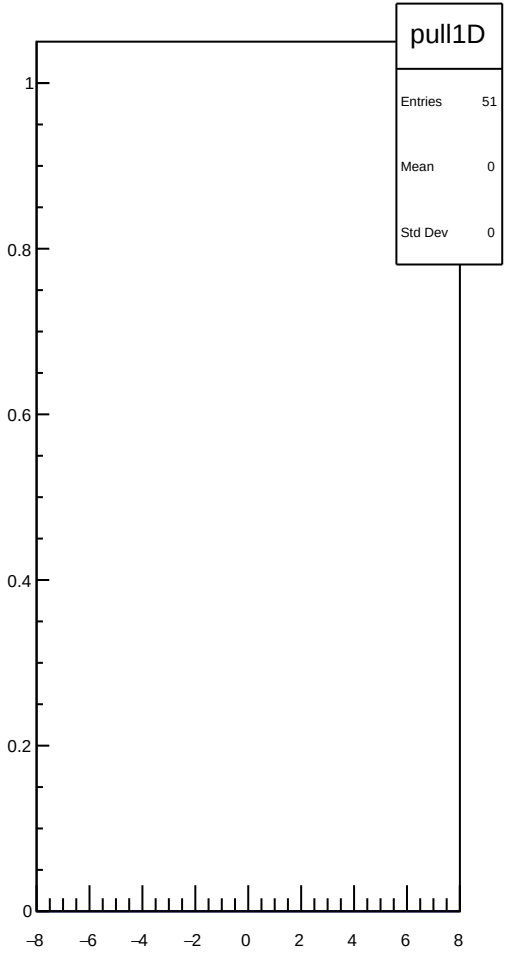

pull1D
Entries 51
Mean 0
Std Dev 0

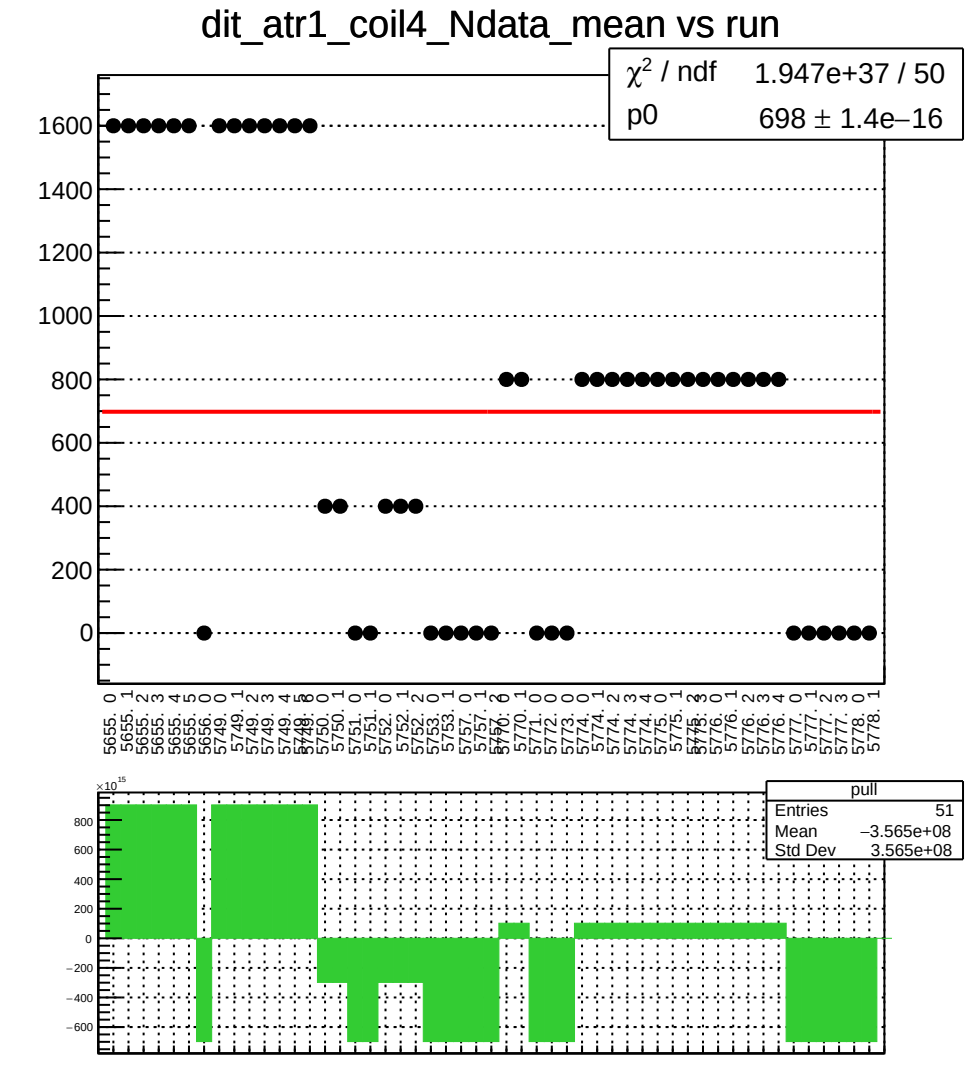

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

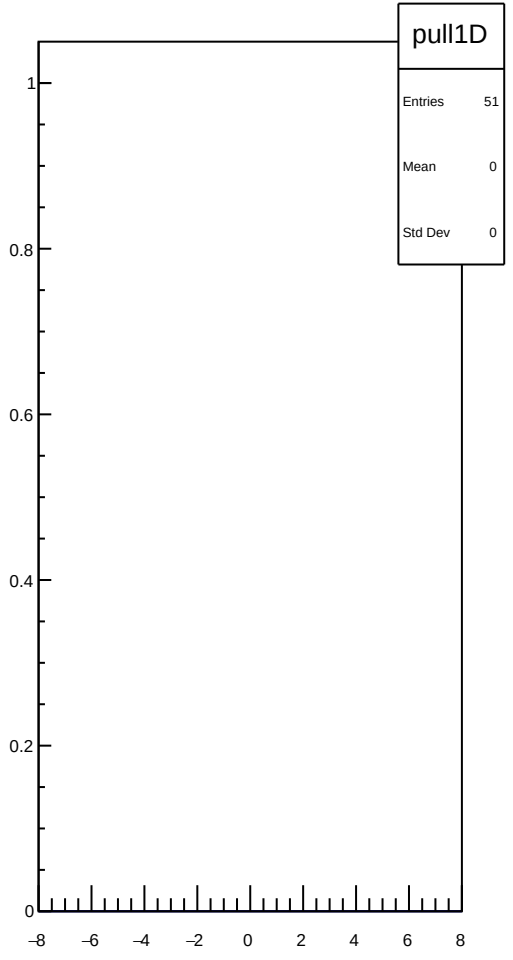

dit_atr1_coil4_mean vs run
χ² / ndf 2.052e+38 / 50
p0 −2624 ± 1.4e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 51
Mean −9.594e+08
Std Dev 9.594e+08
×10¹⁵
2000
1000
0
−1000
−2000
−3000

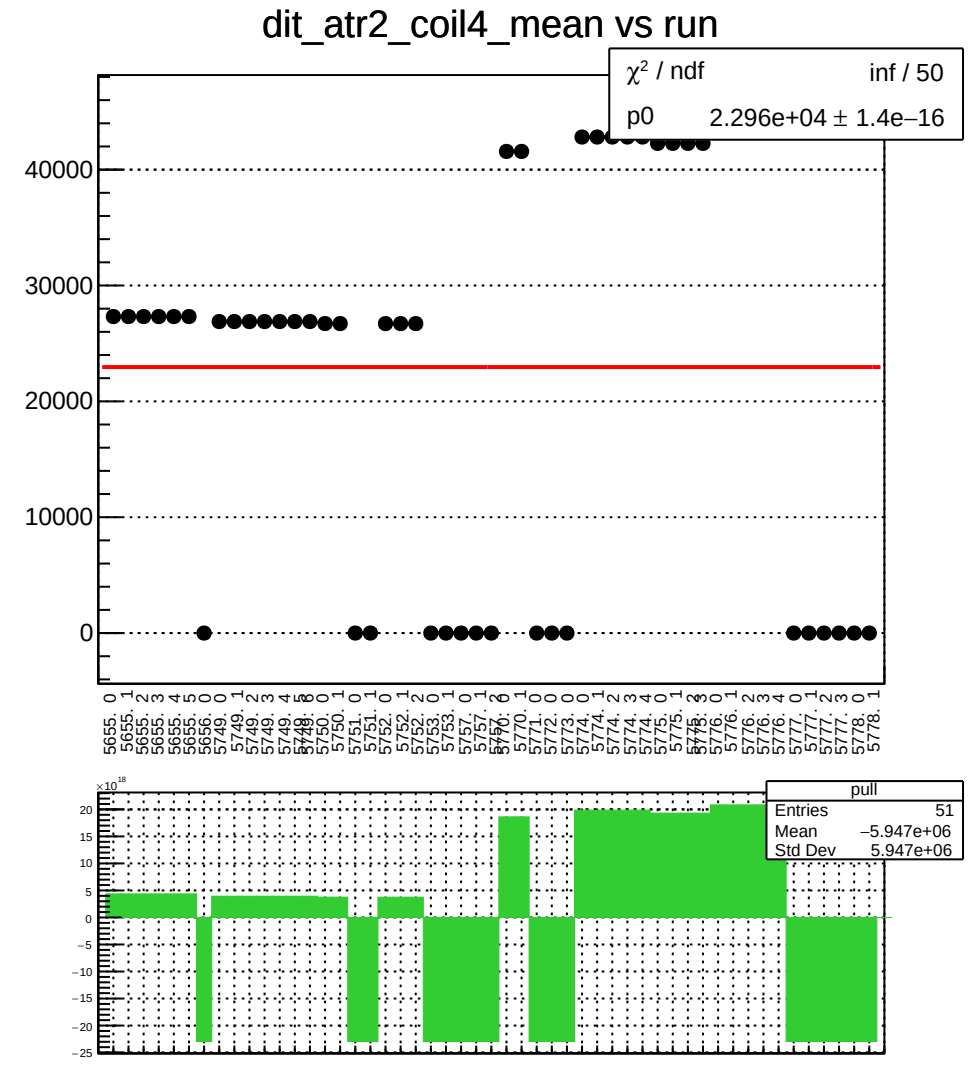

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

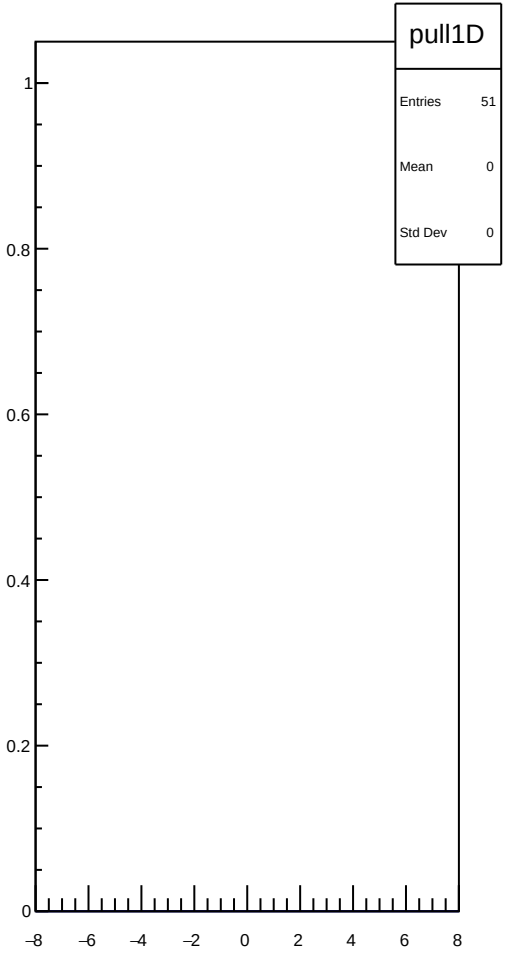

dit_atr1_coil4_err_mean vs run
χ² / ndf 3.581e+36 / 50
p0 343.2 ± 1.4e–16
pull
Entries 51
Mean 8.256e+07
Std Dev 8.256e+07

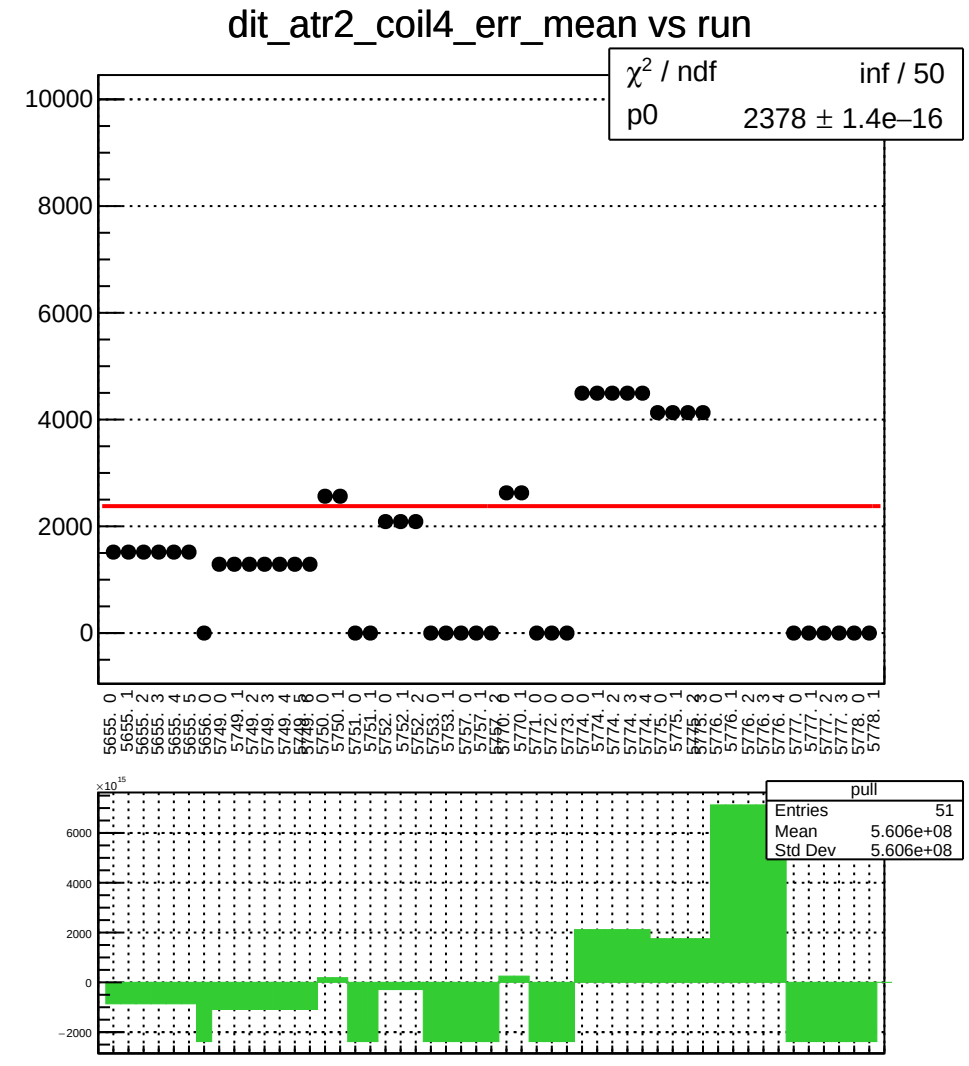

pull1D
Entries 51
Mean 0
Std Dev 0

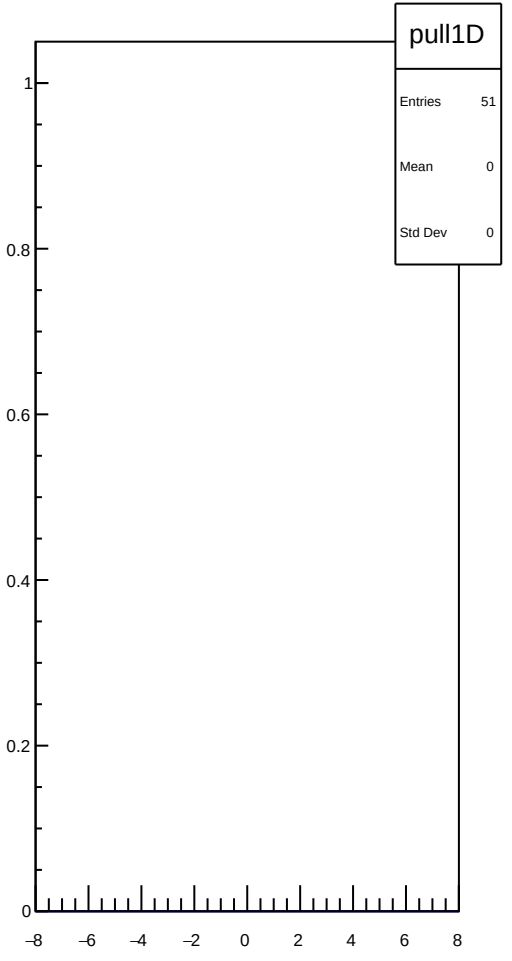

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

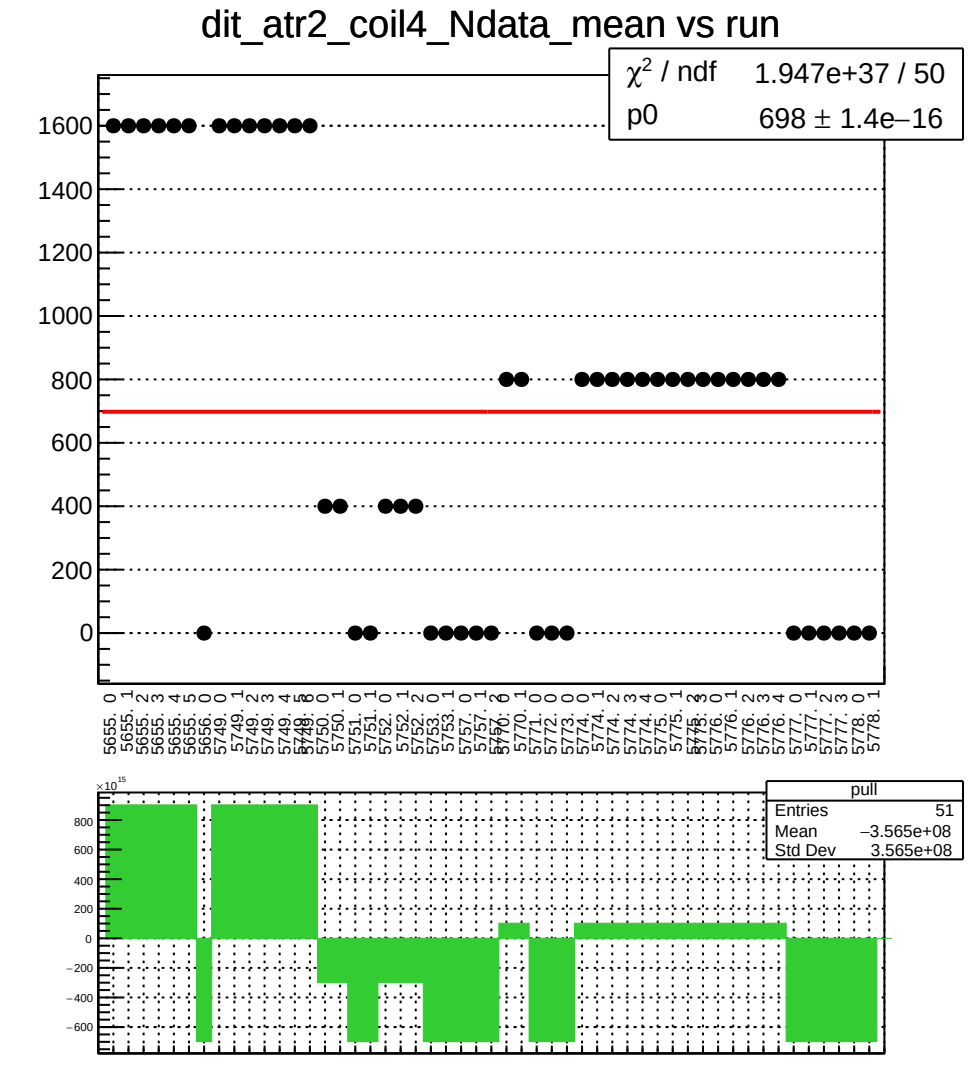

pull1D
Entries 51
Mean 0
Std Dev 0

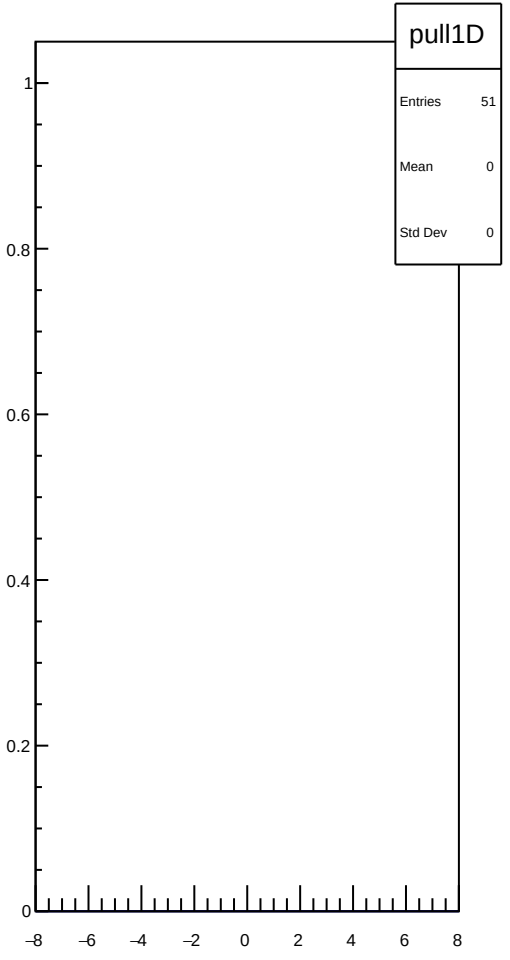

dit_atr2_coil4_mean vs run
χ² / ndf inf / 50
p0 2.296e+04 ± 1.4e−16
40000
30000
20000
10000
0
pull
Entries 51
Mean −5.947e+06
Std Dev 5.947e+06
×10¹⁸
20
15
10
5
0
−5
−10
−15
−20
−25

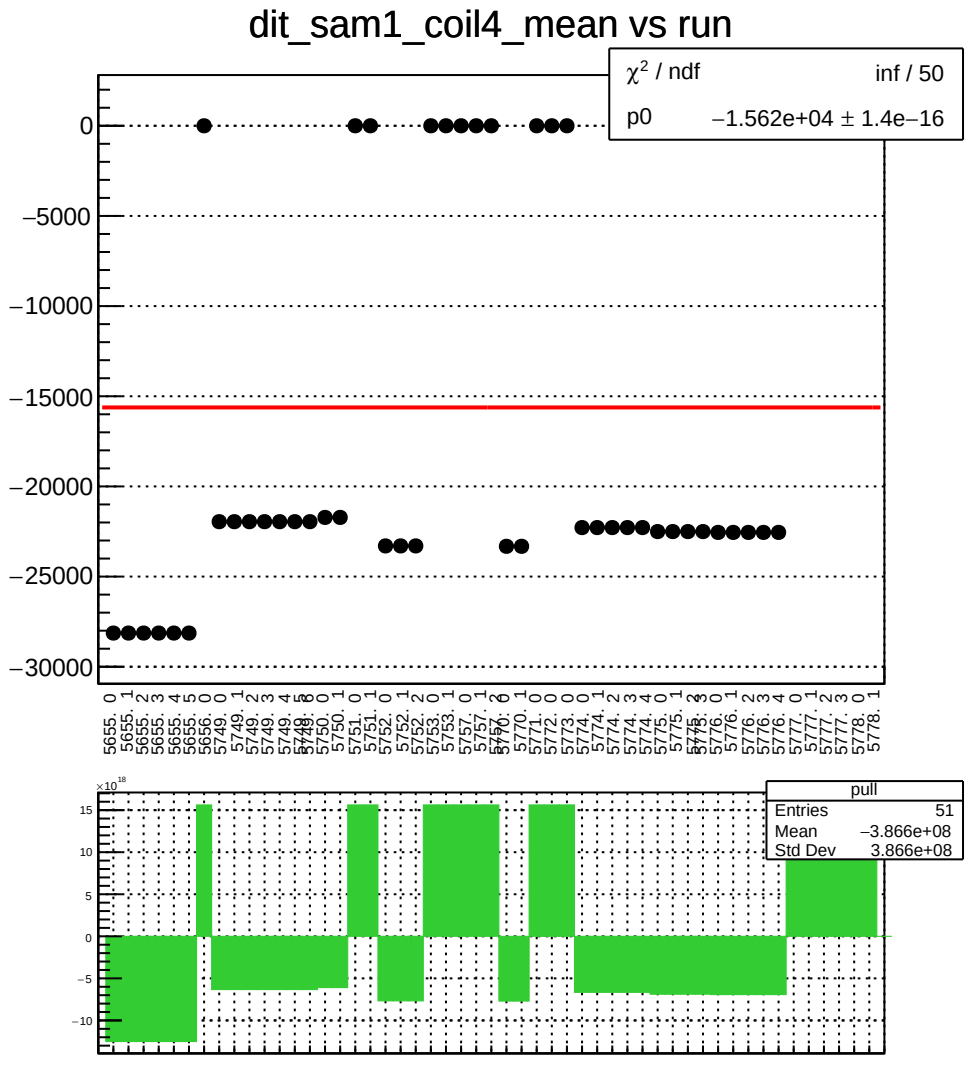

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

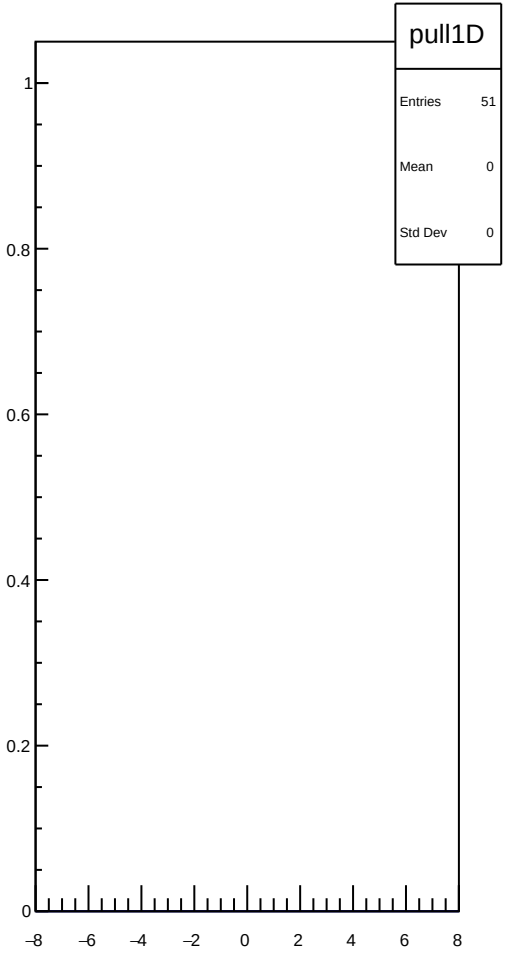

dit_atr2_coil4_err_mean vs run
χ² / ndf inf / 50
p0 2378 ± 1.4e–16
10000
8000
6000
4000
2000
0
pull
Entries 51
Mean 5.606e+08
Std Dev 5.606e+08
×10¹⁵
6000
4000
2000
0
−2000

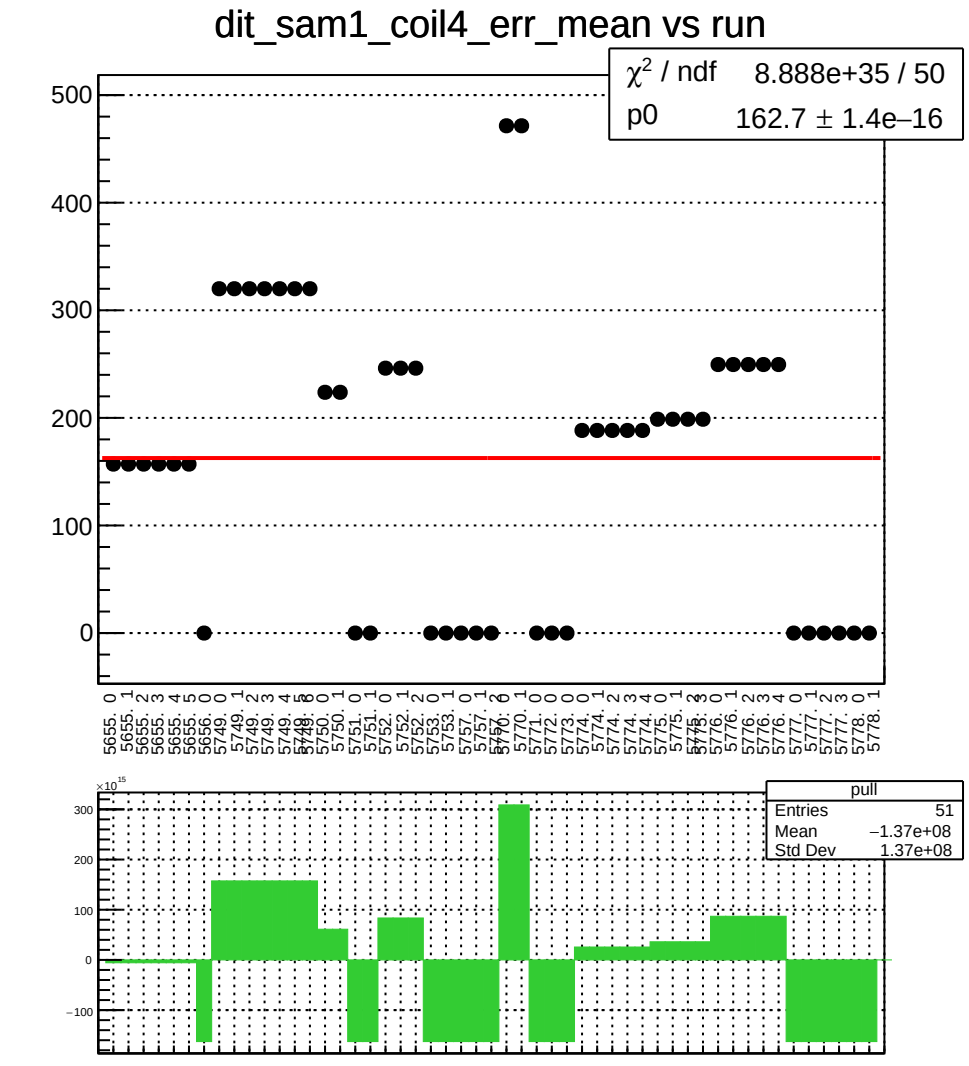

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

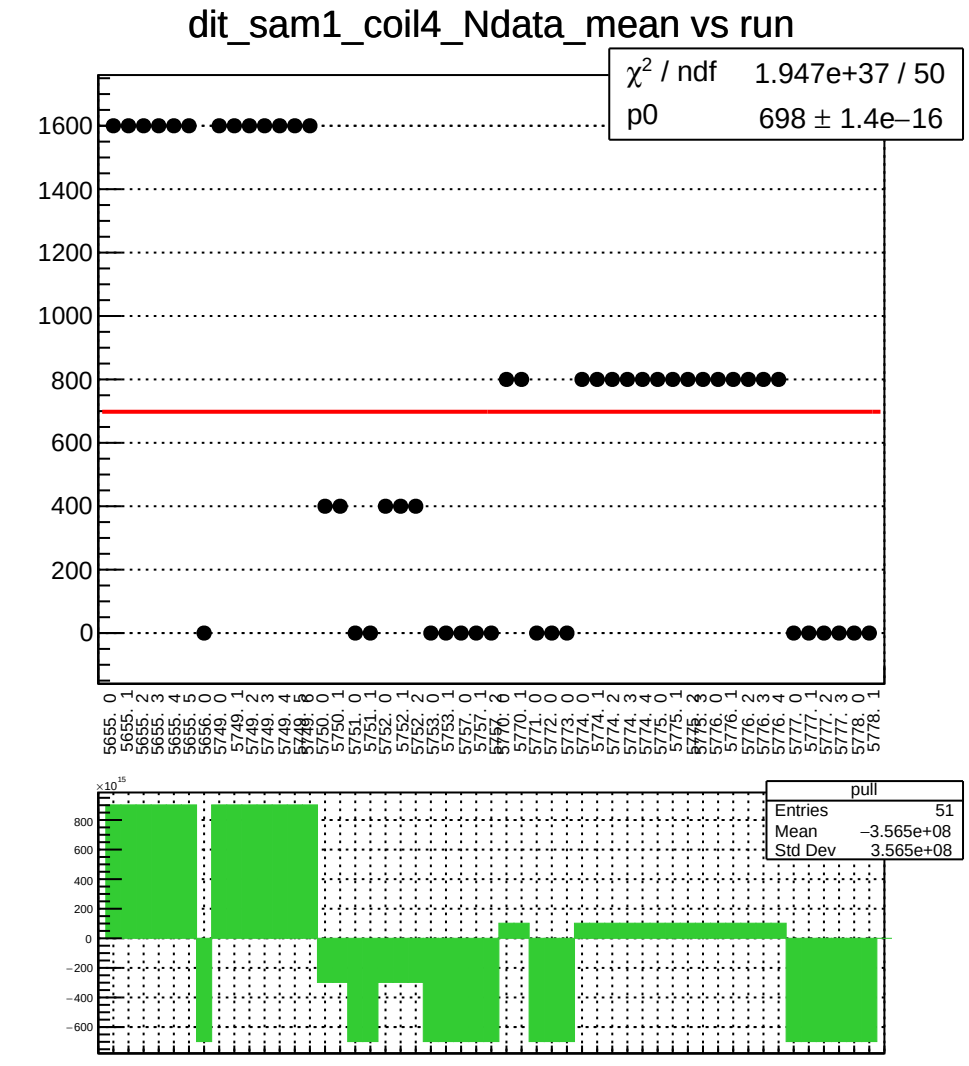

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

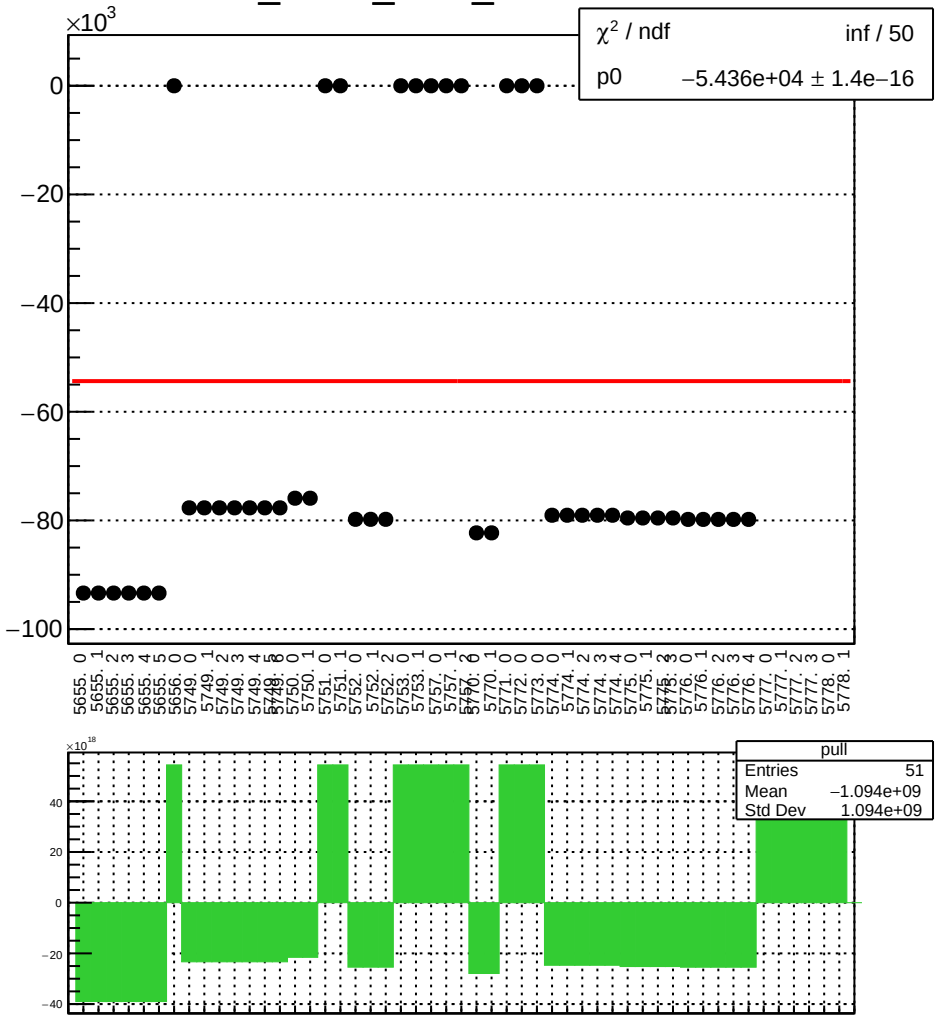

pull1D
Entries 51
Mean 0
Std Dev 0

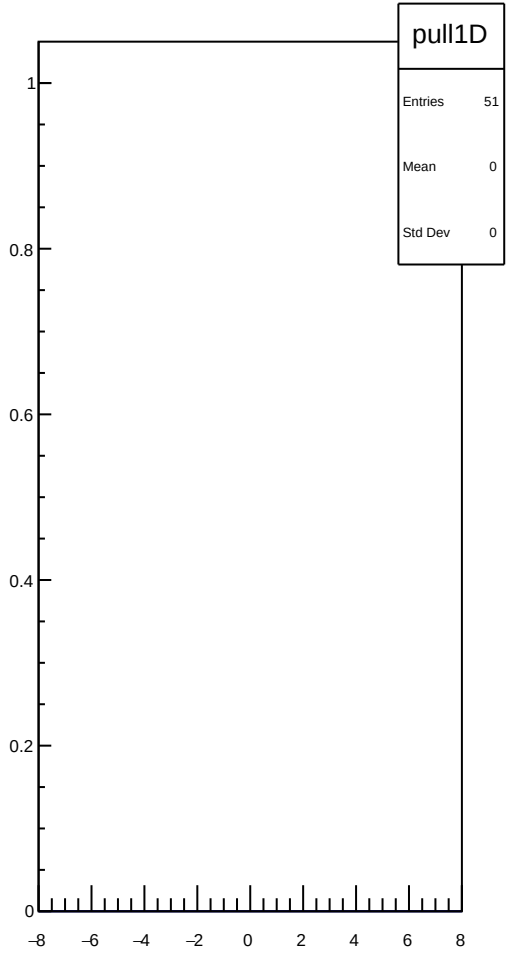

dit_sam1_coil4_mean vs run
χ² / ndf inf / 50
p0 −1.562e+04 ± 1.4e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 51
Mean −3.866e+08
Std Dev 3.866e+08
×10¹⁸
15
10
5
0
−5
−10

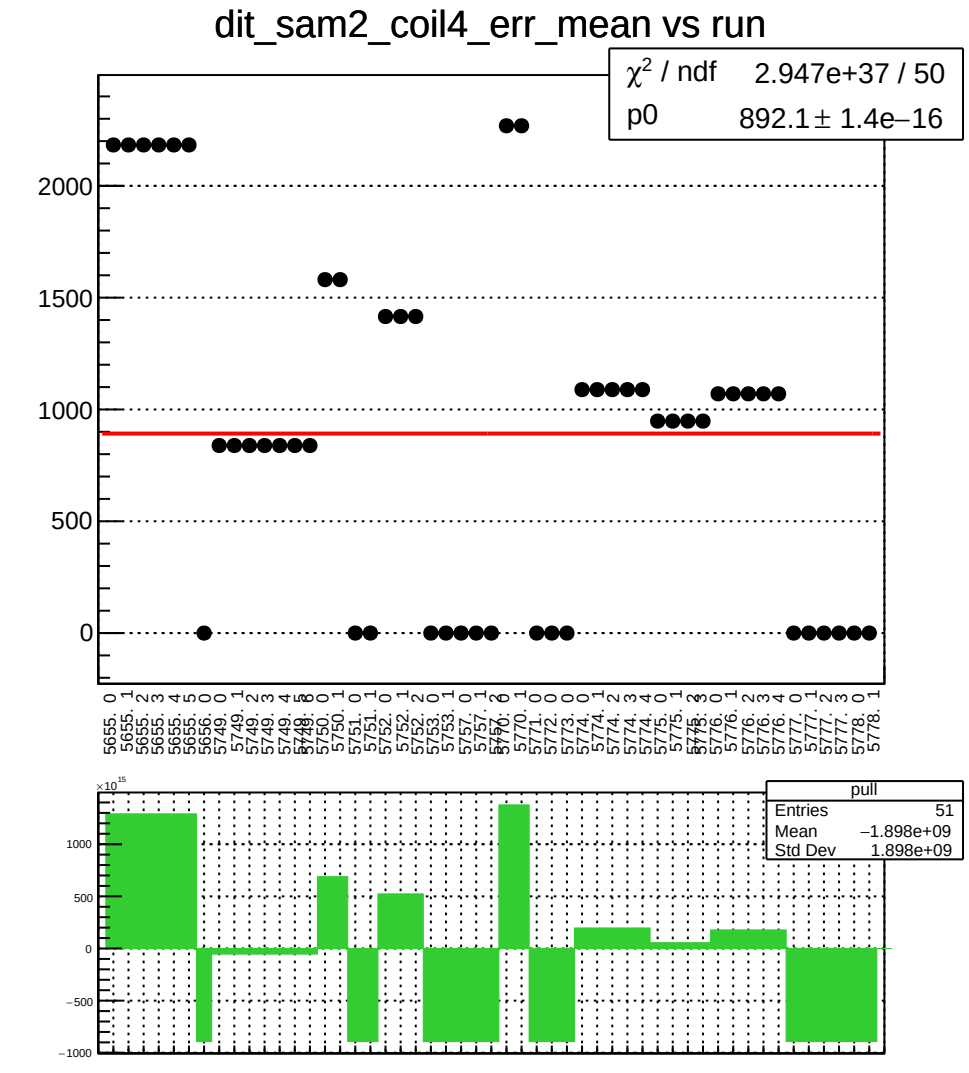

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

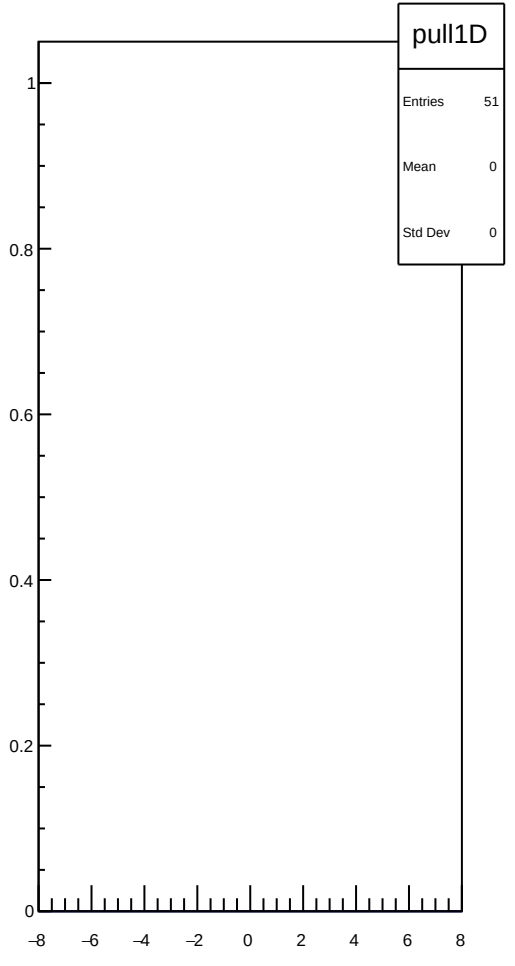

dit_sam1_coil4_err_mean vs run
χ² / ndf 8.888e+35 / 50
p0 162.7 ± 1.4e–16
pull
Entries 51
Mean –1.37e+08
Std Dev 1.37e+08
pull1D
Entries 51
Mean 0
Std Dev 0

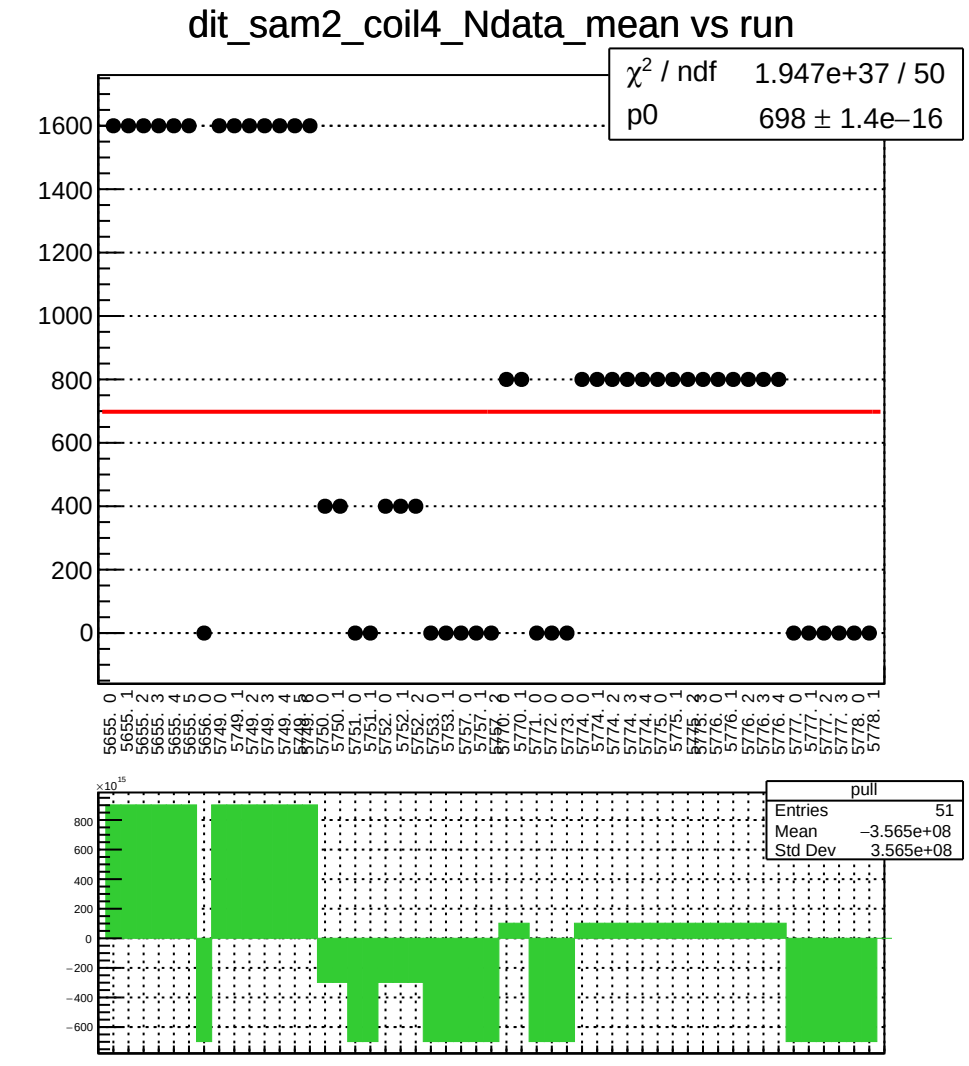

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

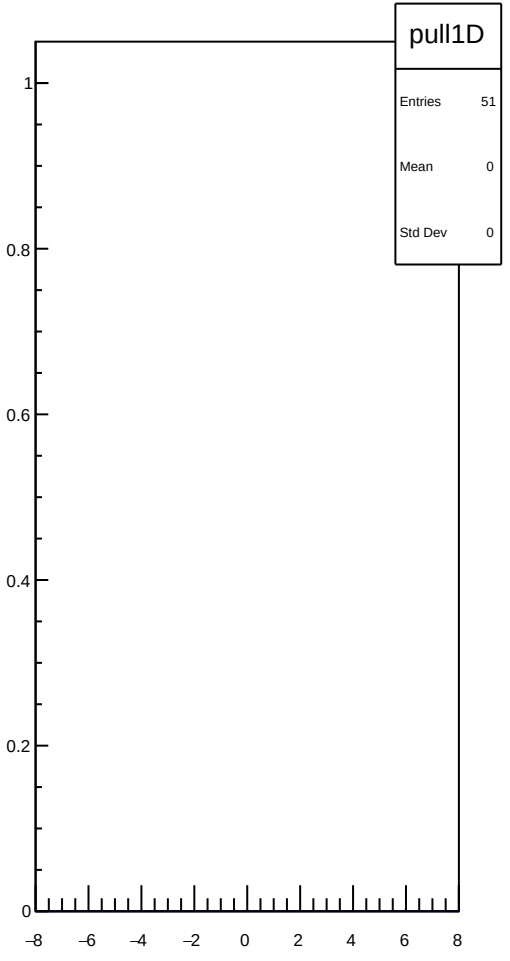

dit_sam2_coil4_mean vs run
χ² / ndf inf / 50
p0 −5.436e+04 ± 1.4e−16
pull
Entries 51
Mean −1.094e+09
Std Dev 1.094e+09

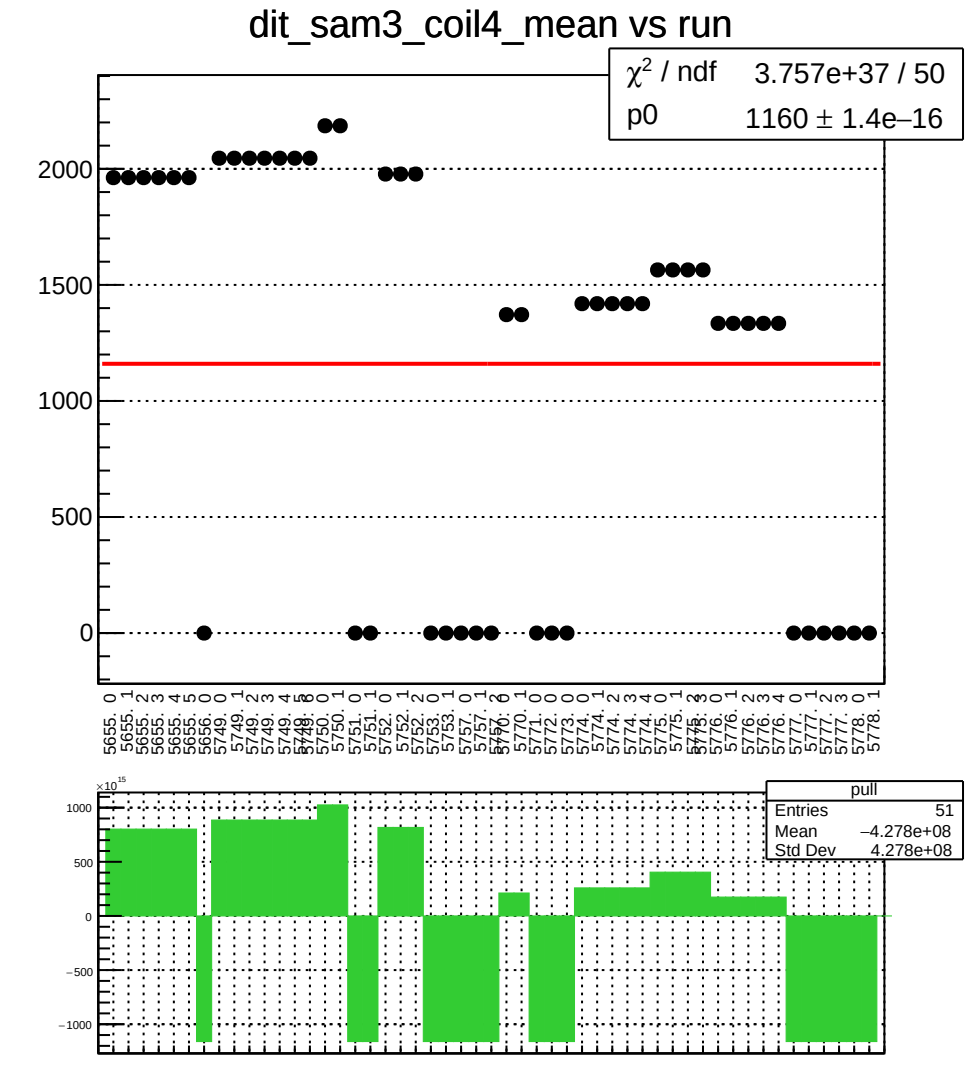

pull1D
Entries 51
Mean 0
Std Dev 0

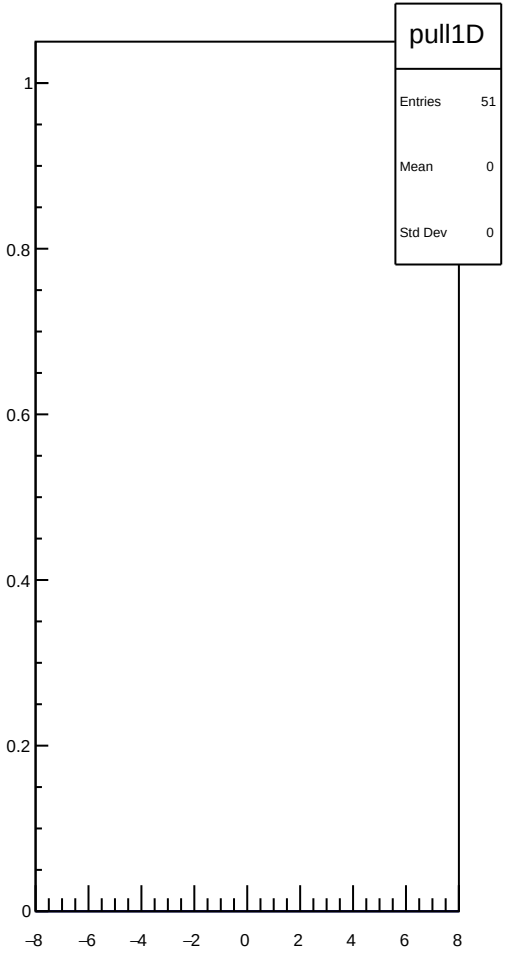

dit_sam2_coil4_err_mean vs run
χ² / ndf 2.947e+37 / 50
p0 892.1 ± 1.4e−16
2000
1500
1000
500
0
pull
Entries 51
Mean −1.898e+09
Std Dev 1.898e+09
×10¹⁵
1000
500
0
−500
−1000

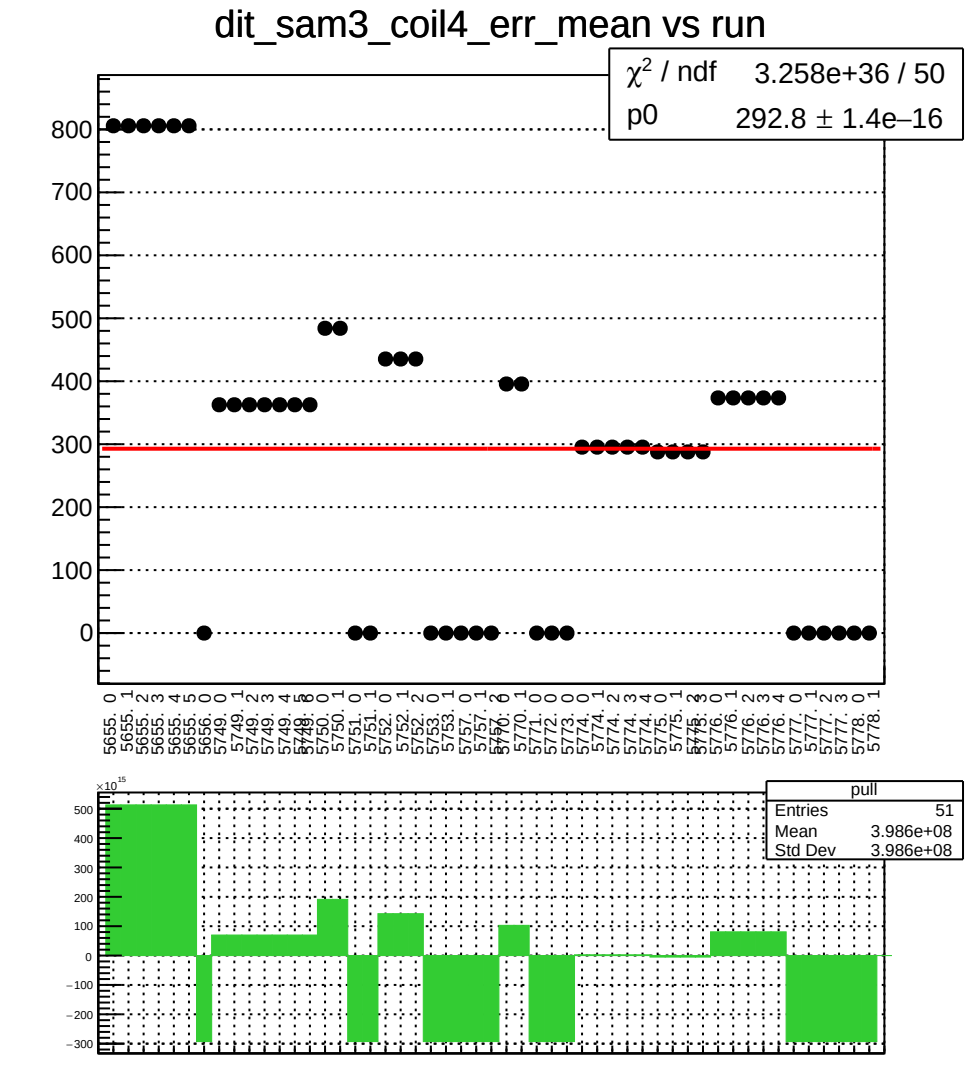

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

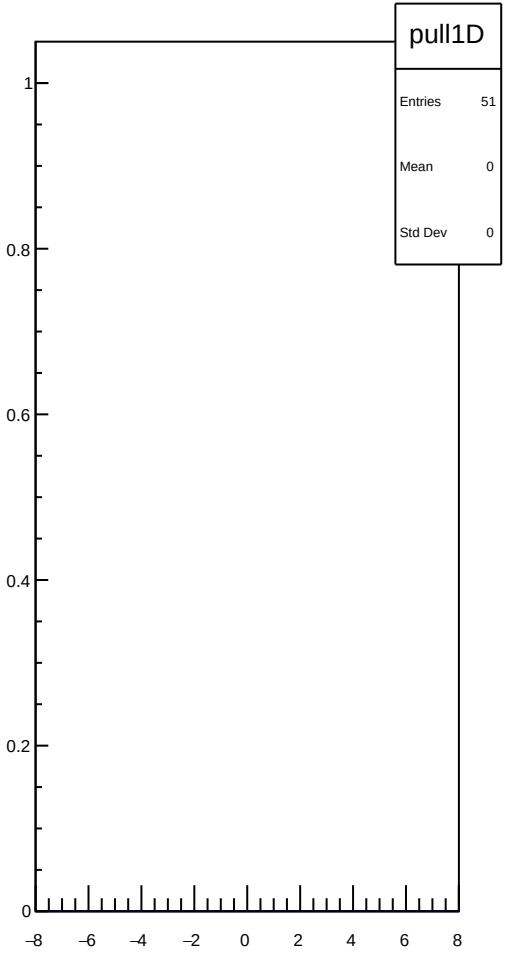

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

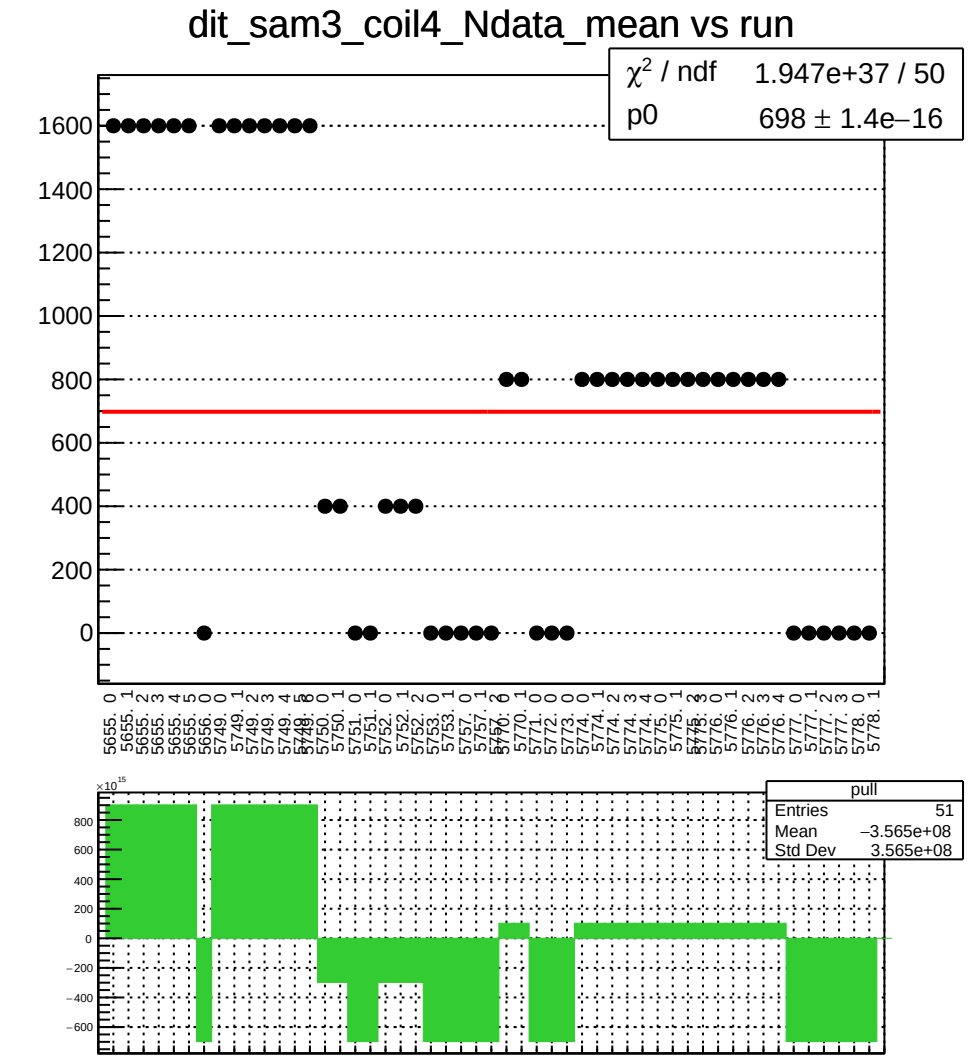

pull1D
Entries 51
Mean 0
Std Dev 0

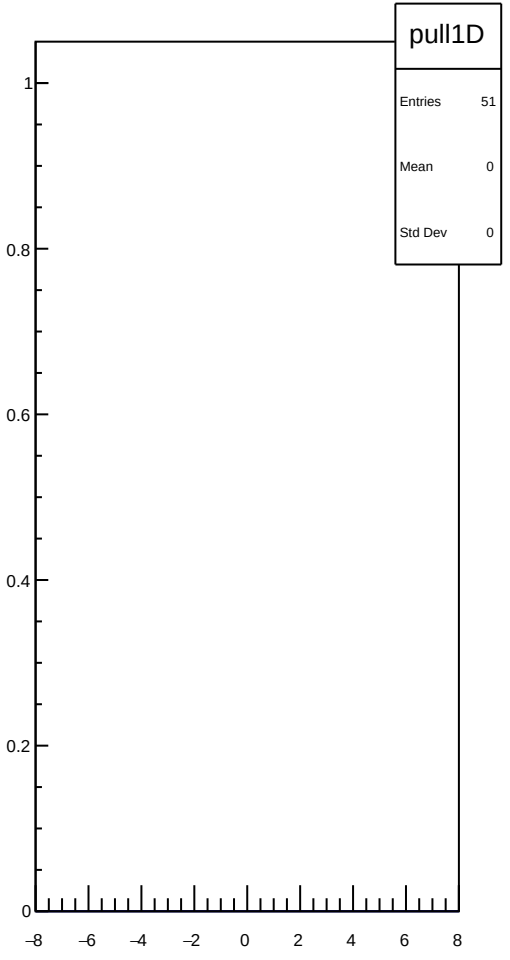

dit_sam3_coil4_mean vs run
χ² / ndf 3.757e+37 / 50
p0 1160 ± 1.4e–16
2000
1500
1000
500
0
pull
Entries 51
Mean –4.278e+08
Std Dev 4.278e+08
×10¹⁵
1000
500
0
–500
–1000

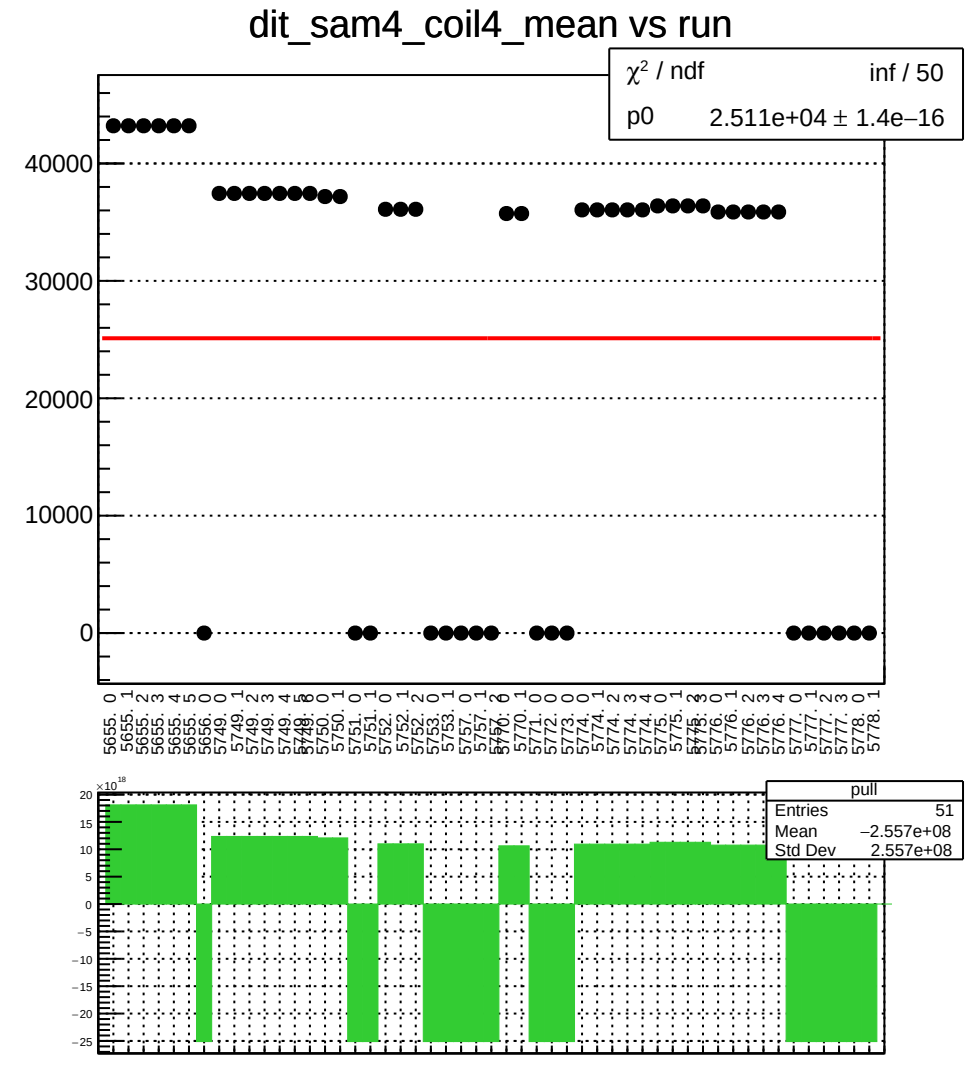

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

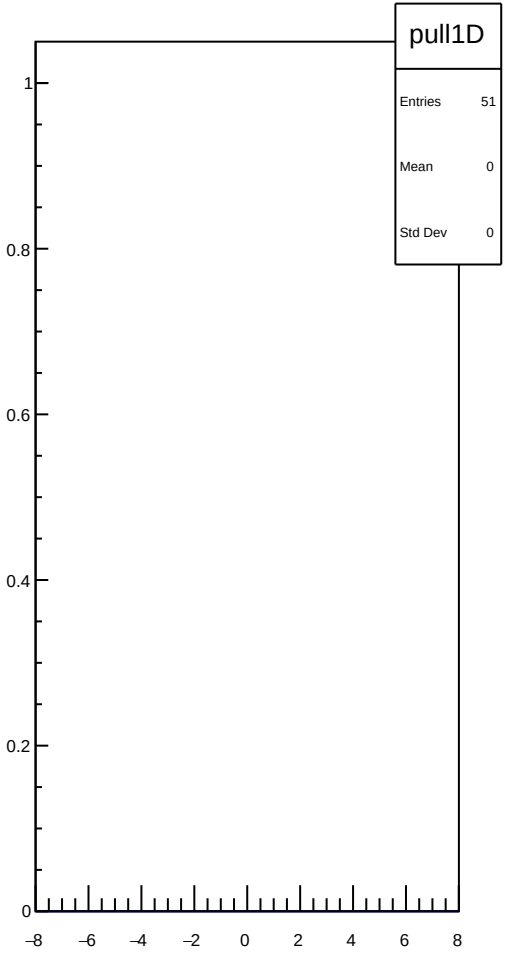

dit_sam3_coil4_err_mean vs run
χ² / ndf 3.258e+36 / 50
p0 292.8 ± 1.4e–16
pull
Entries 51
Mean 3.986e+08
Std Dev 3.986e+08

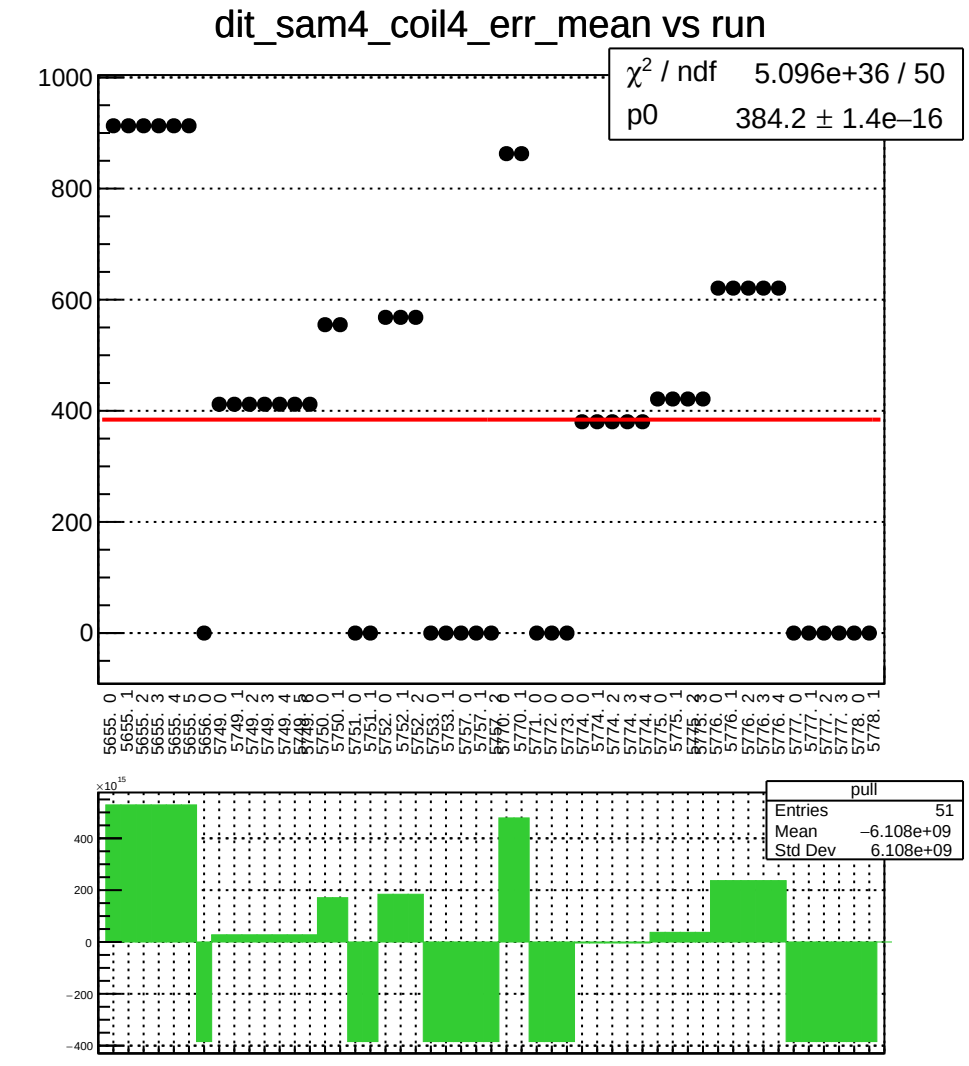

pull1D
Entries 51
Mean 0
Std Dev 0

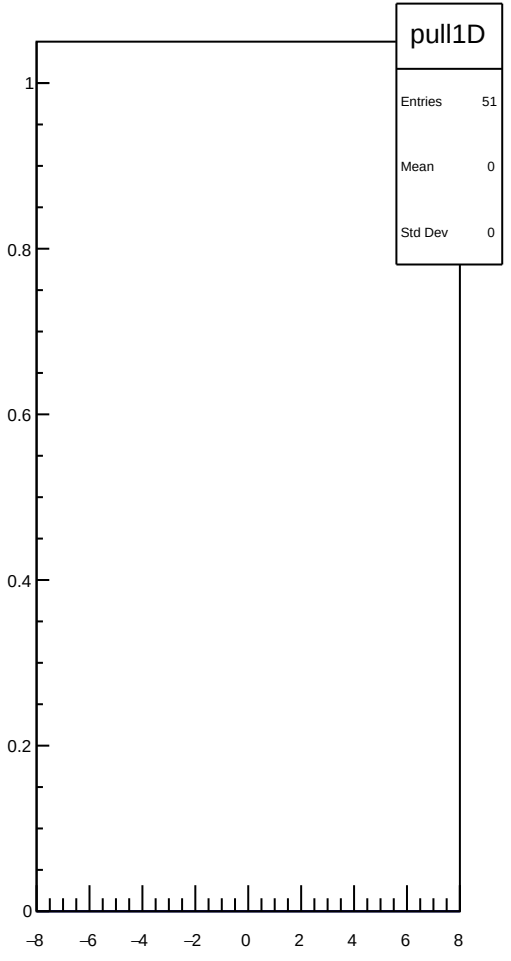

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

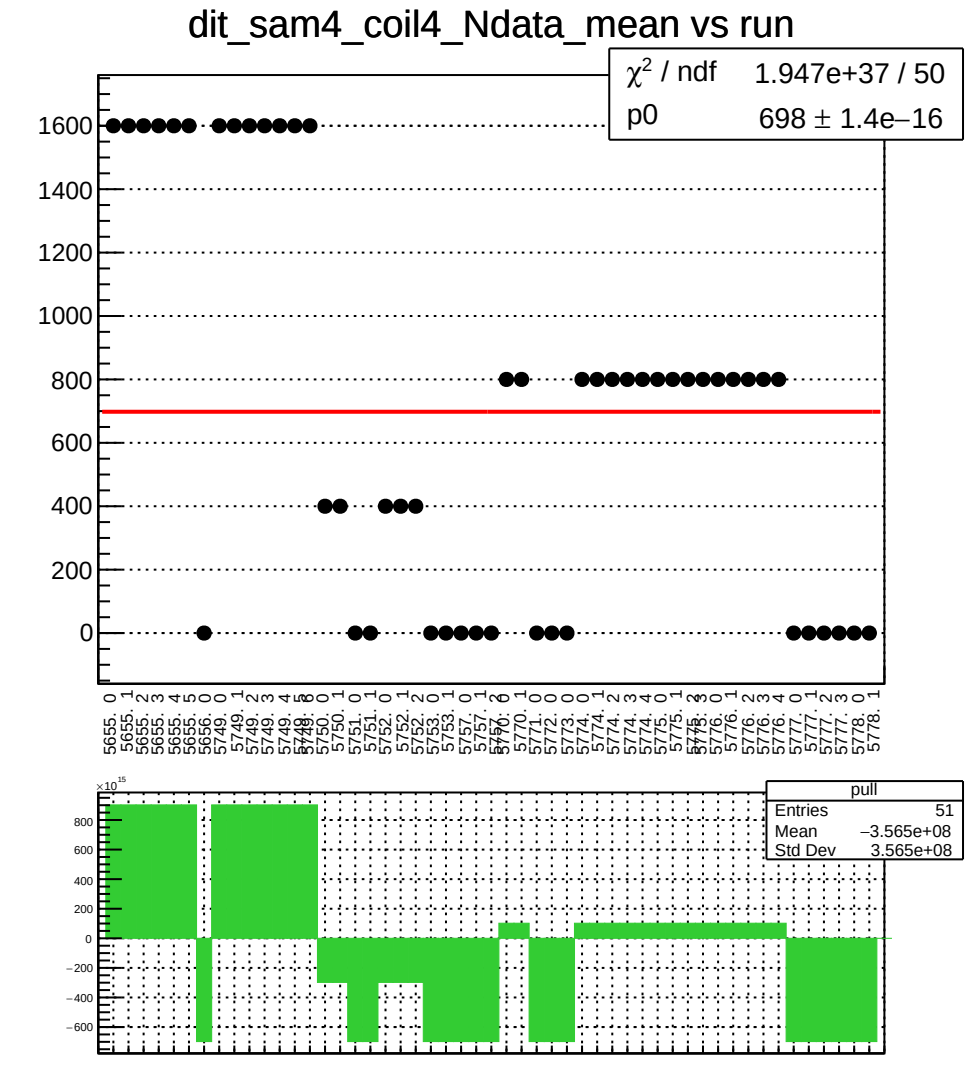

pull1D
Entries 51
Mean 0
Std Dev 0

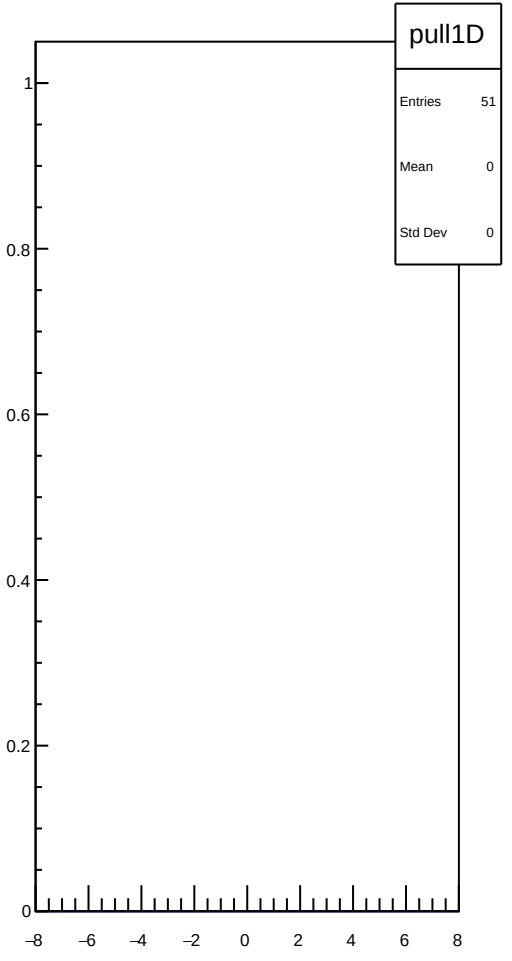

dit_sam4_coil4_mean vs run
χ² / ndf inf / 50
p0 2.511e+04 ± 1.4e−16
40000
30000
20000
10000
0
pull
Entries 51
Mean −2.557e+08
Std Dev 2.557e+08
×10¹⁸
20
15
10
5
0
−5
−10
−15
−20
−25

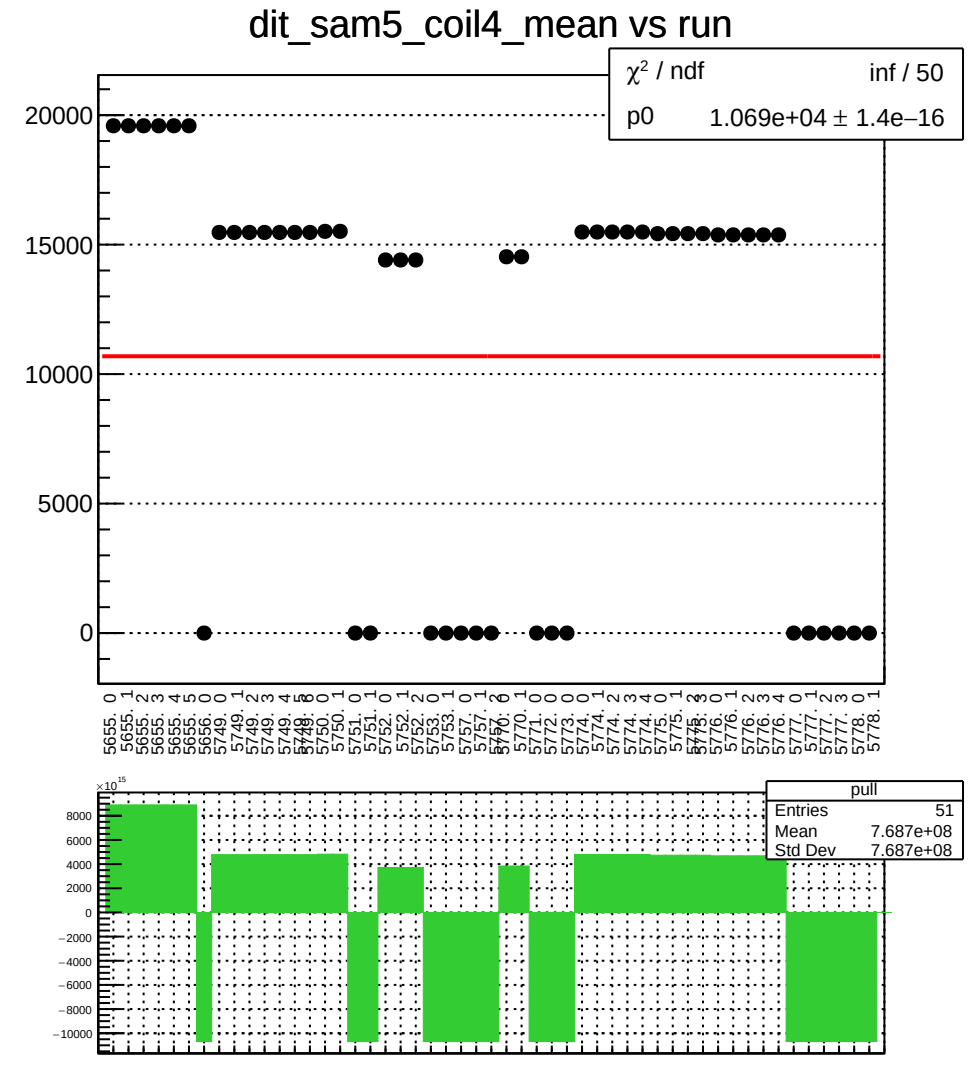

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

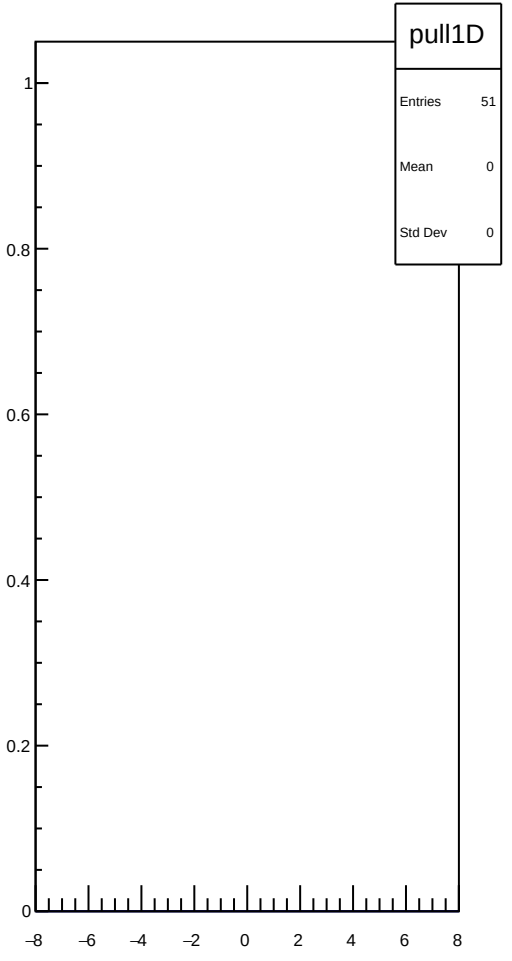

dit_sam4_coil4_err_mean vs run
χ² / ndf 5.096e+36 / 50
p0 384.2 ± 1.4e–16
pull
Entries 51
Mean –6.108e+09
Std Dev 6.108e+09

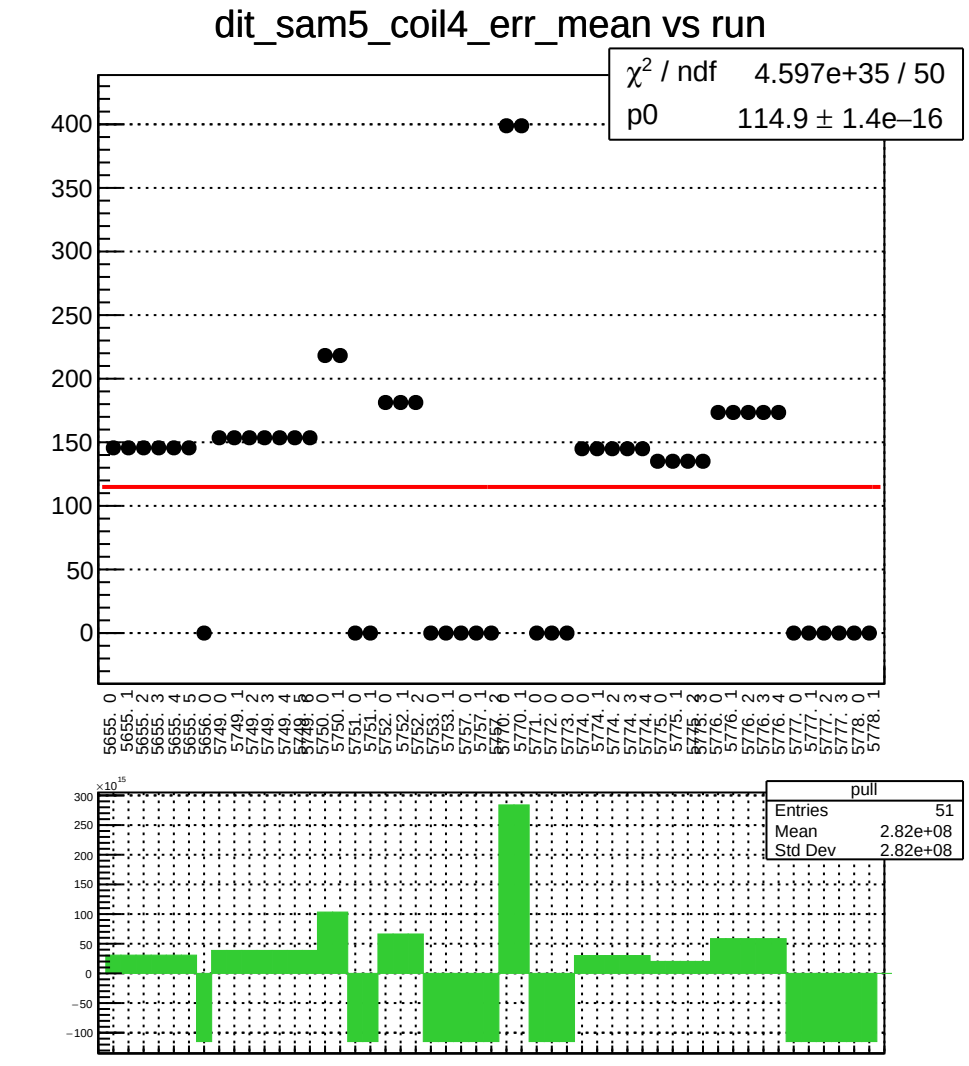

pull1D
Entries 51
Mean 0
Std Dev 0

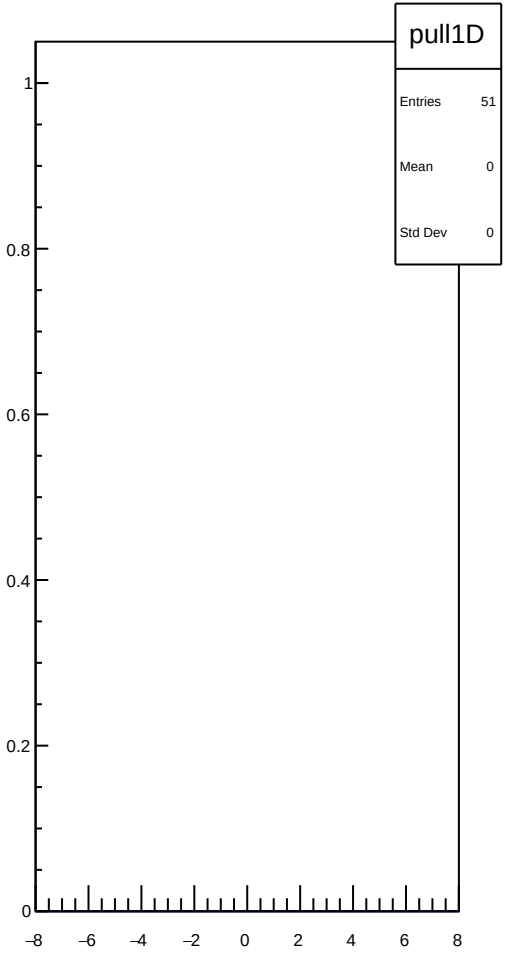

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

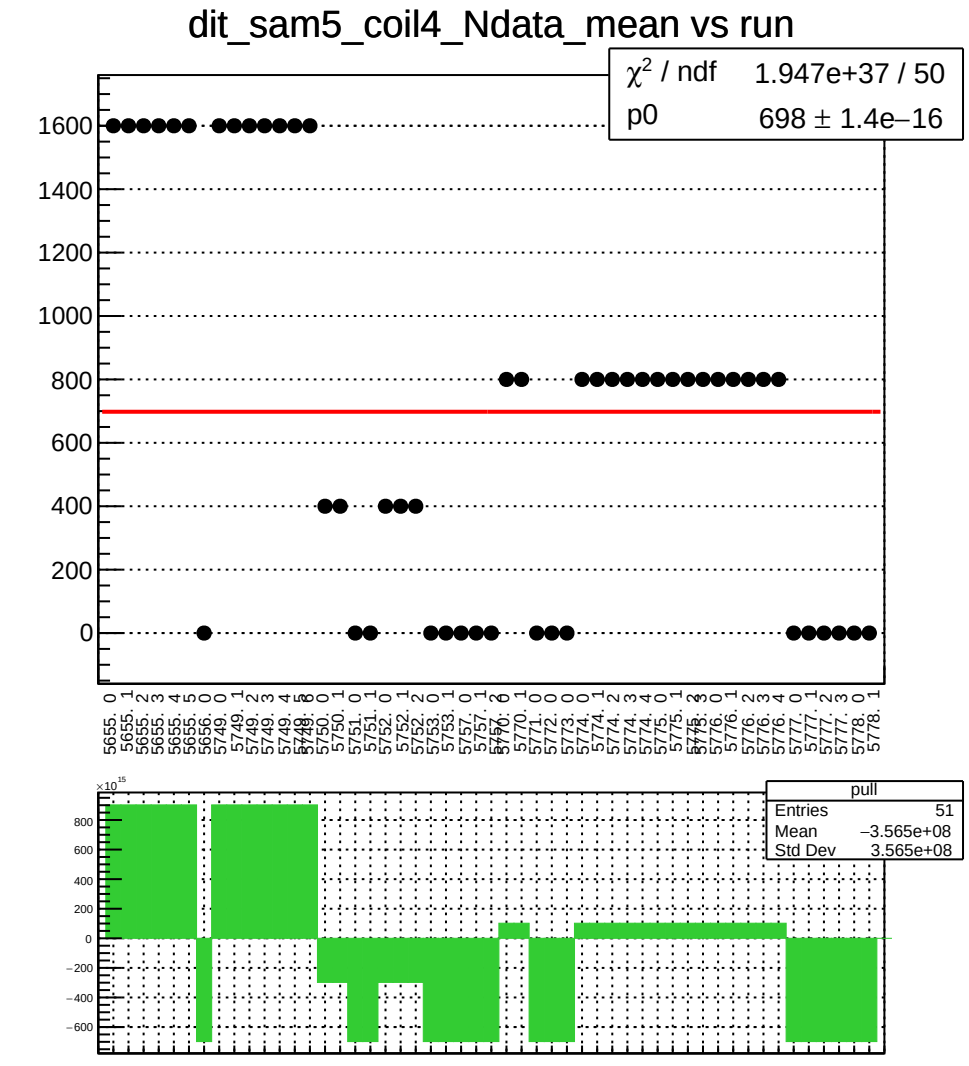

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

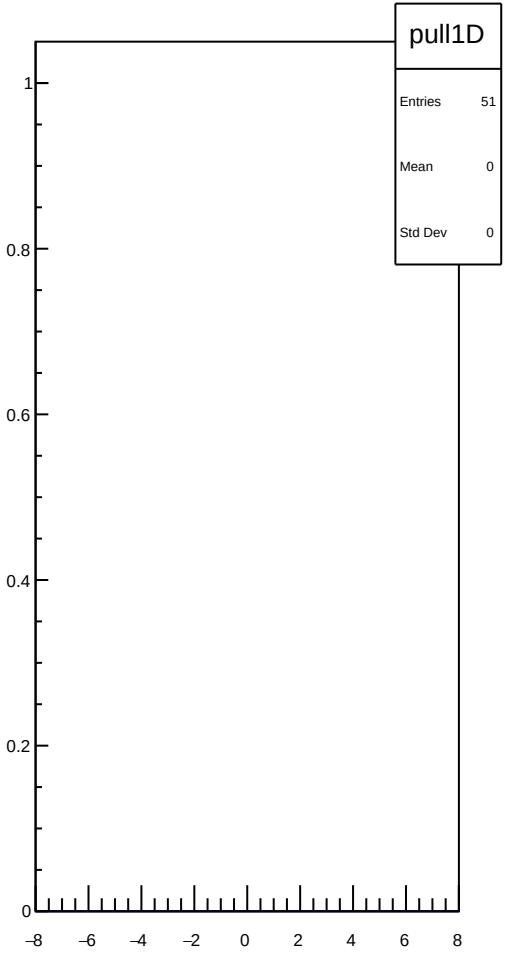

dit_sam5_coil4_mean vs run
χ² / ndf inf / 50
p0 1.069e+04 ± 1.4e−16
20000
15000
10000
5000
0
pull
Entries 51
Mean 7.687e+08
Std Dev 7.687e+08
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000

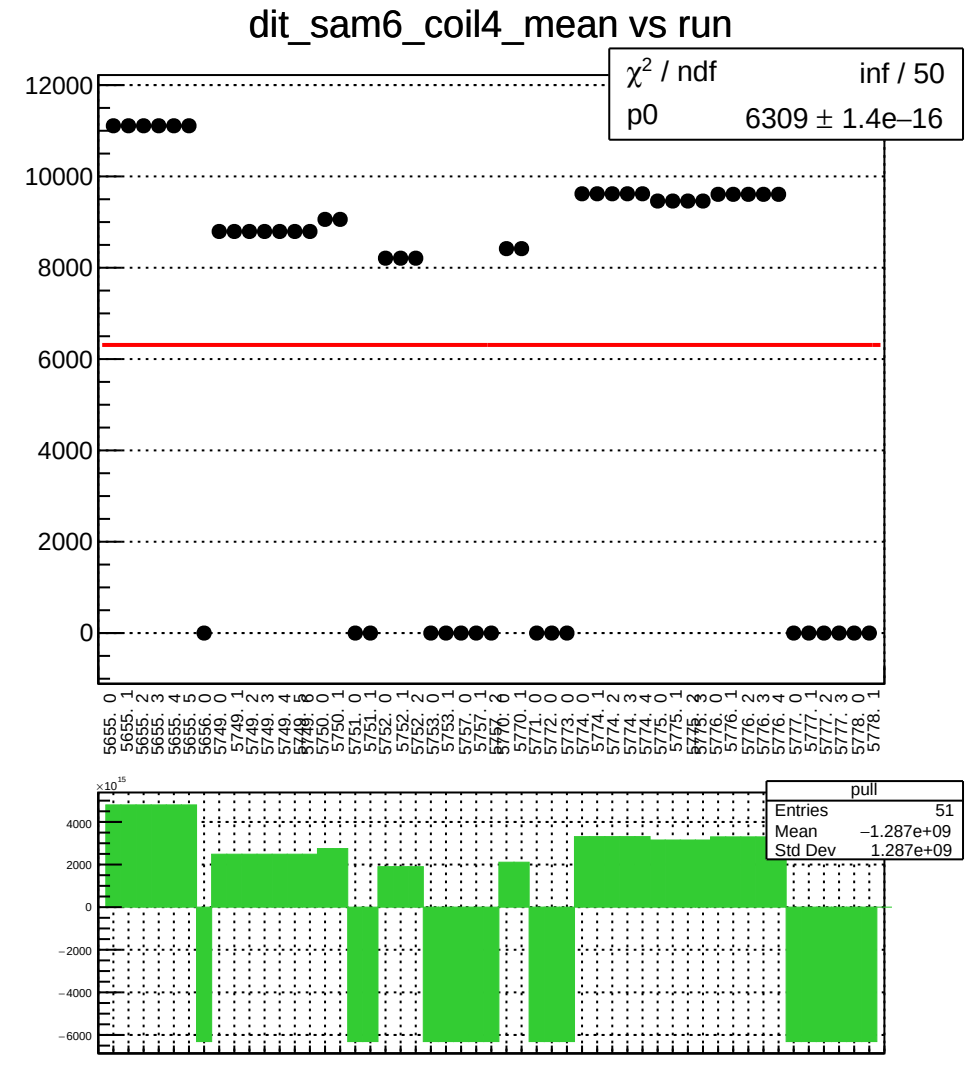

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

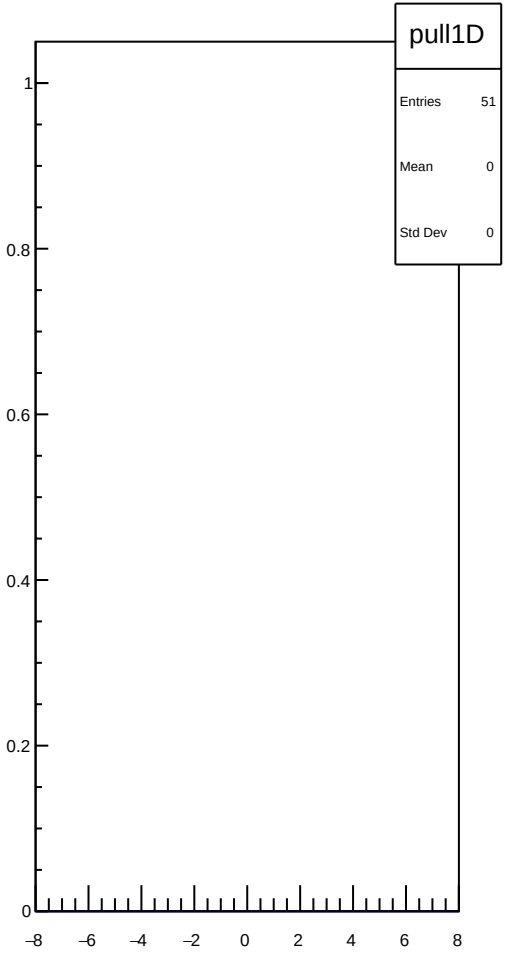

dit_sam5_coil4_err_mean vs run
χ² / ndf 4.597e+35 / 50
p0 114.9 ± 1.4e–16
pull
Entries 51
Mean 2.82e+08
Std Dev 2.82e+08

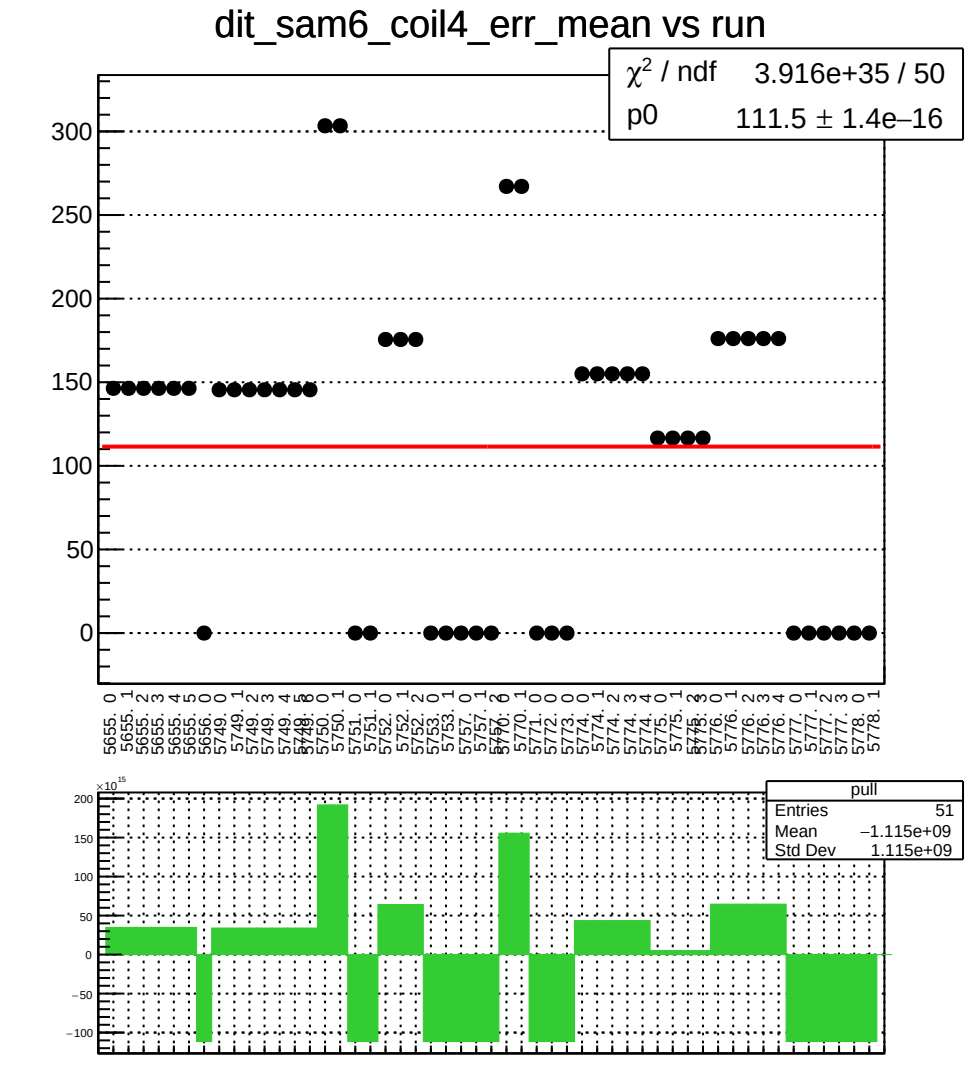

pull1D
Entries 51
Mean 0
Std Dev 0

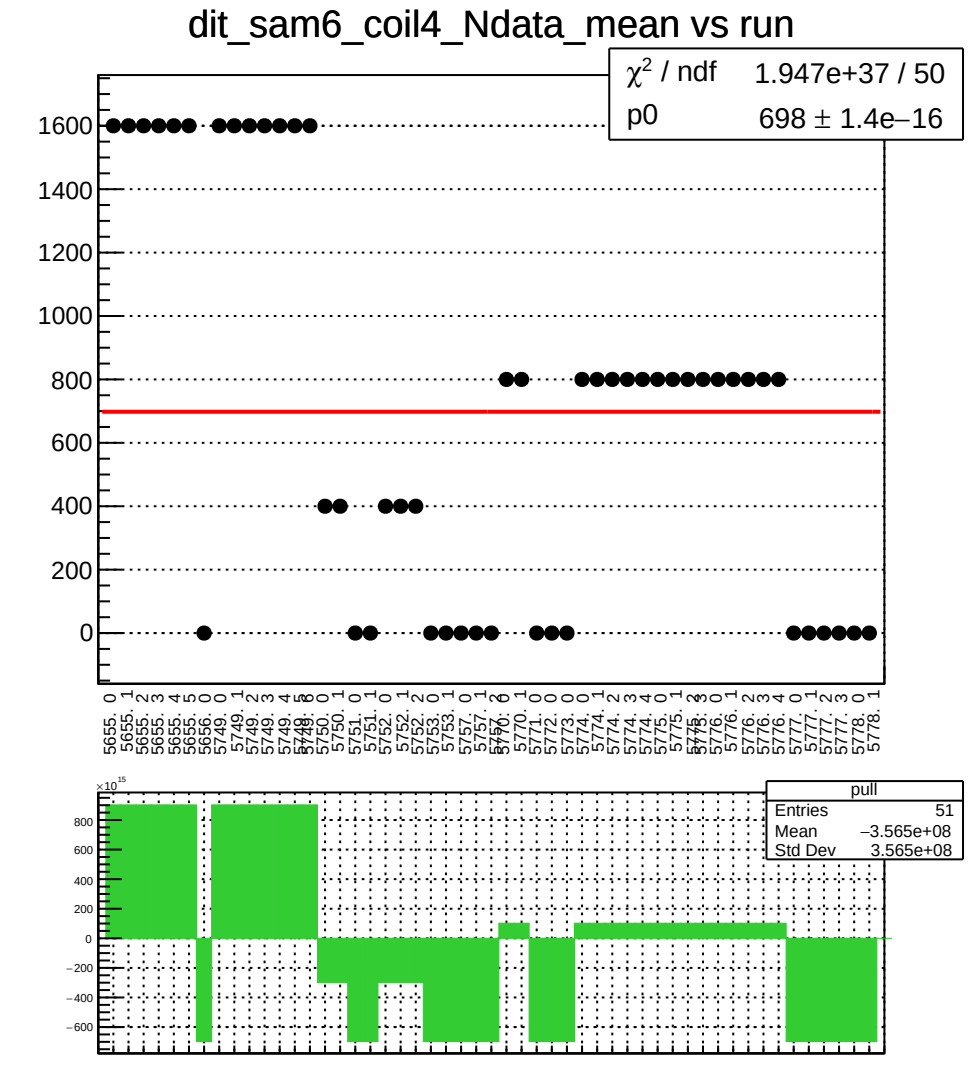

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

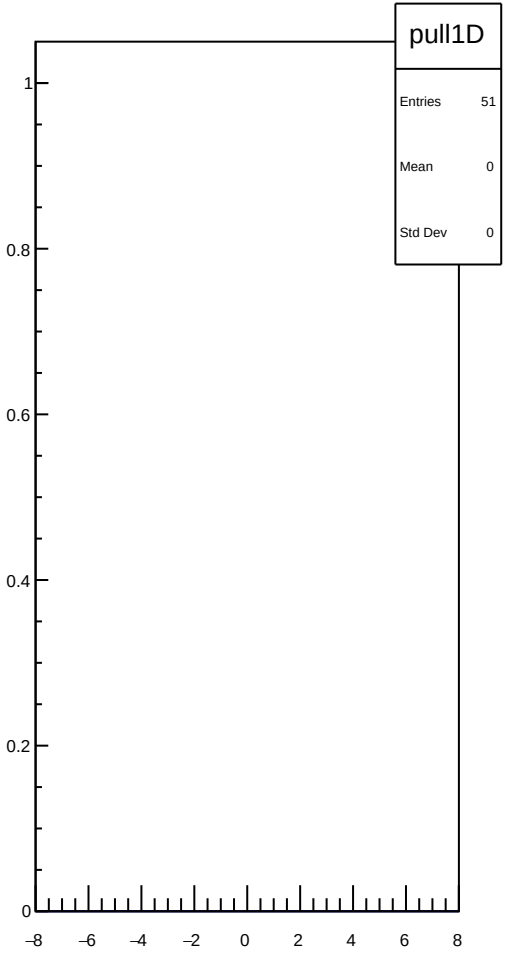

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

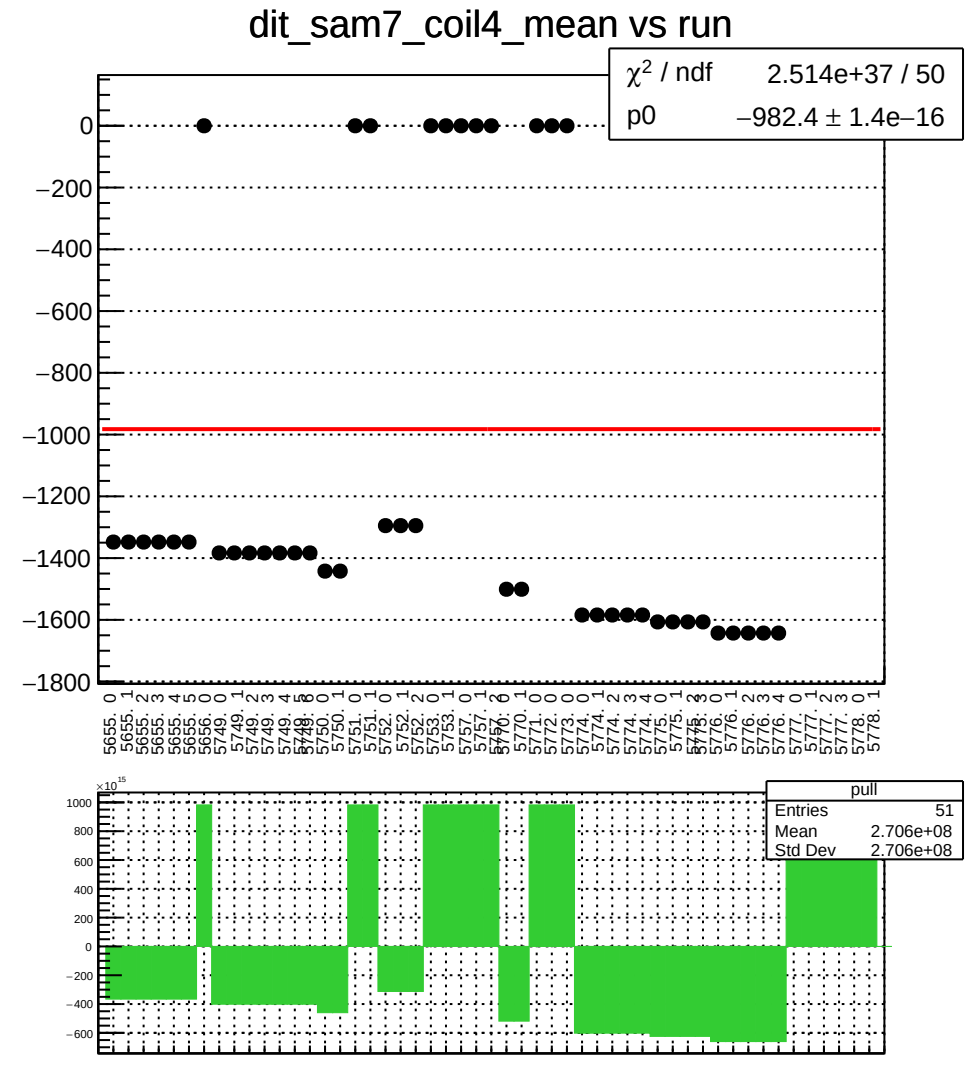

dit_sam6_coil4_mean vs run
χ² / ndf inf / 50
p0 6309 ± 1.4e–16
12000
10000
8000
6000
4000
2000
0
pull
Entries 51
Mean –1.287e+09
Std Dev 1.287e+09
×10¹⁵
4000
2000
0
–2000
–4000
–6000

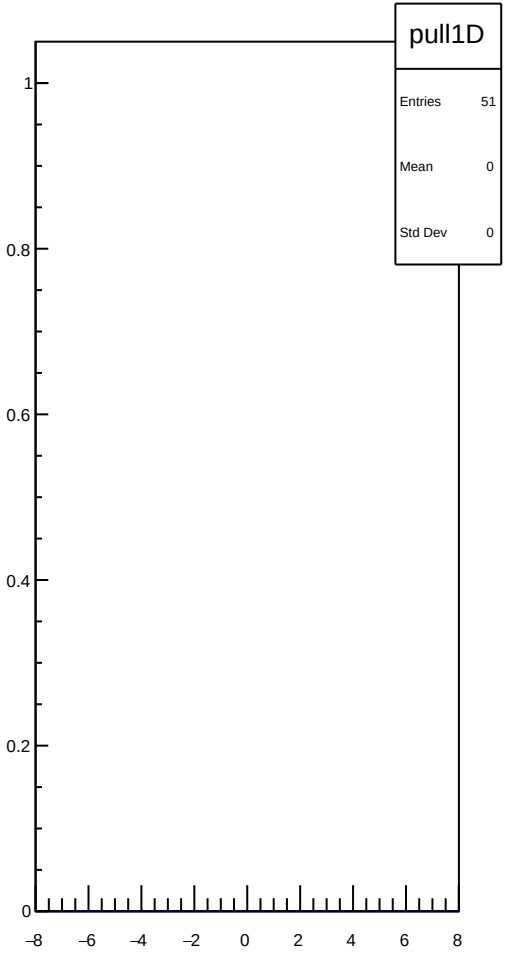

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

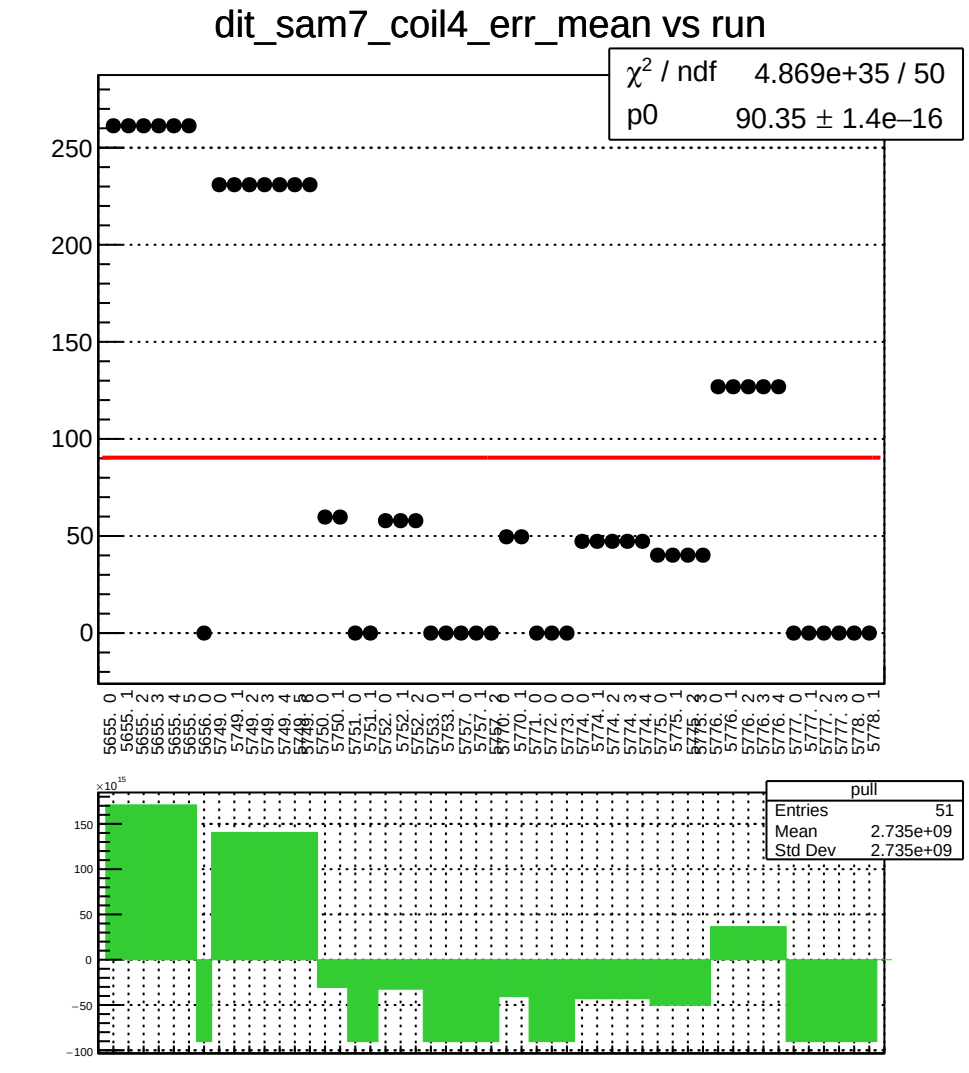

dit_sam6_coil4_err_mean vs run
χ² / ndf 3.916e+35 / 50
p0 111.5 ± 1.4e–16
300
250
200
150
100
50
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
200
150
100
50
0
−50
−100
pull
Entries 51
Mean −1.115e+09
Std Dev 1.115e+09
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

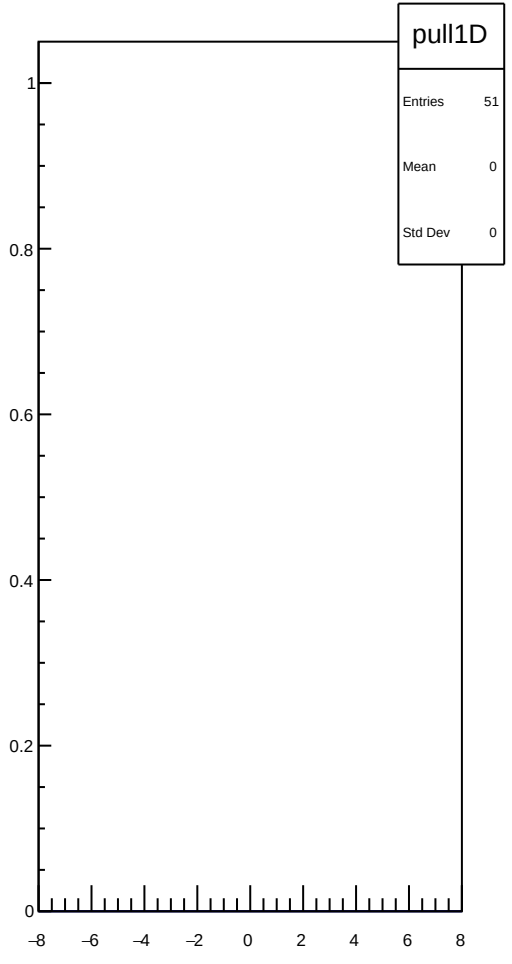

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

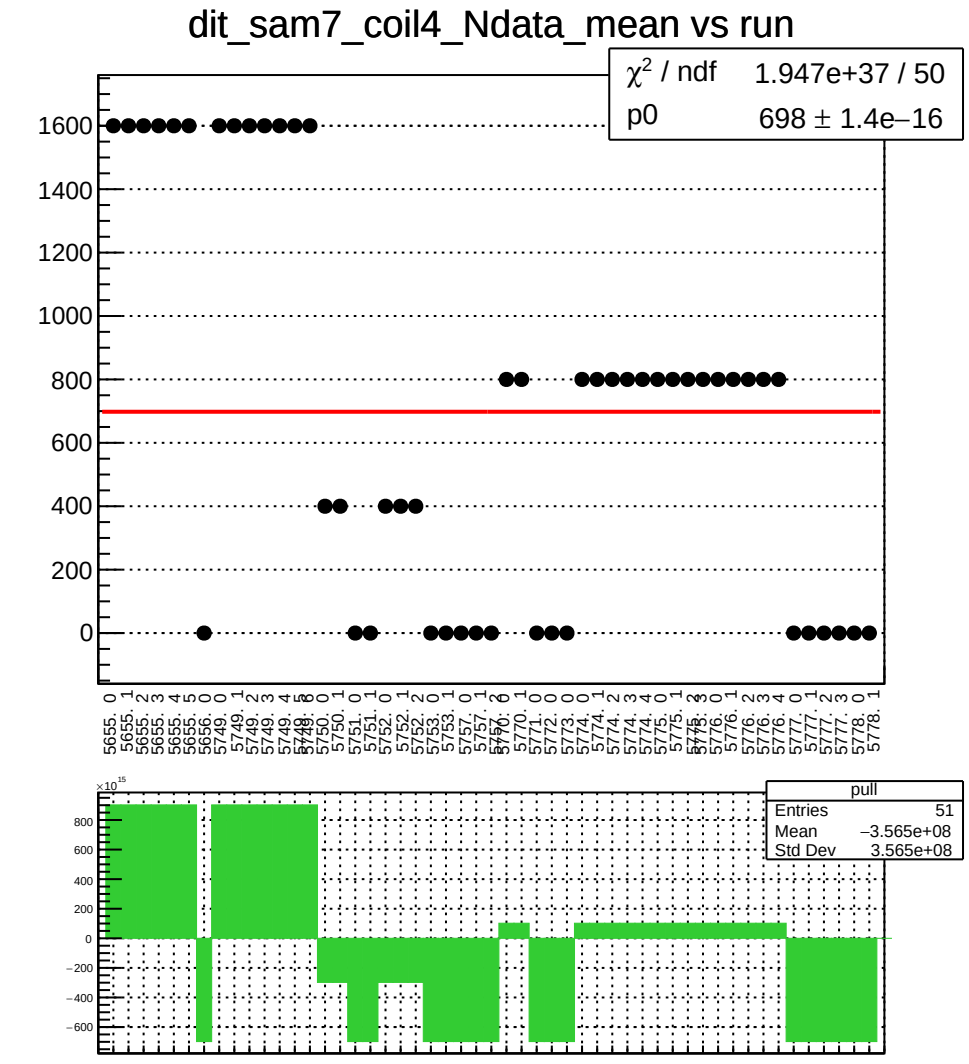

pull1D
Entries 51
Mean 0
Std Dev 0

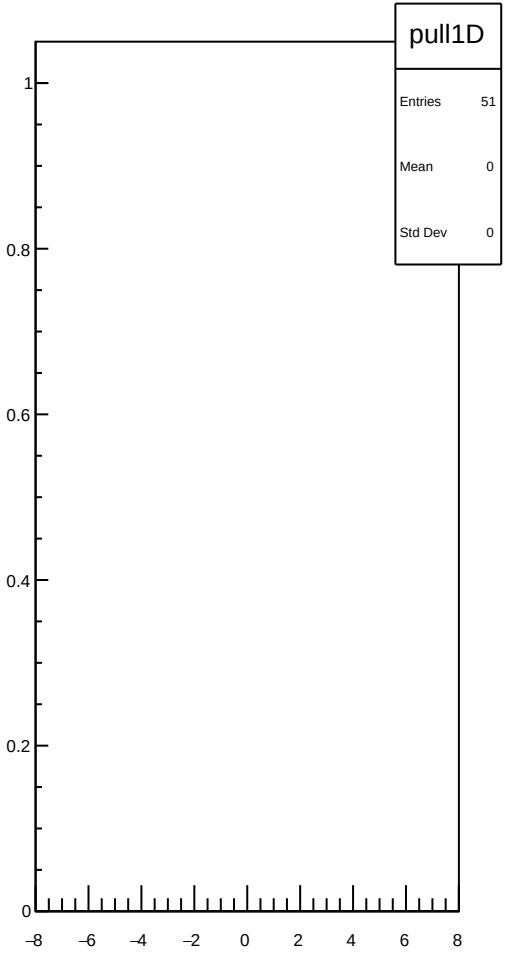

dit_sam7_coil4_mean vs run
χ² / ndf 2.514e+37 / 50
p0 −982.4 ± 1.4e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 51
Mean 2.706e+08
Std Dev 2.706e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600

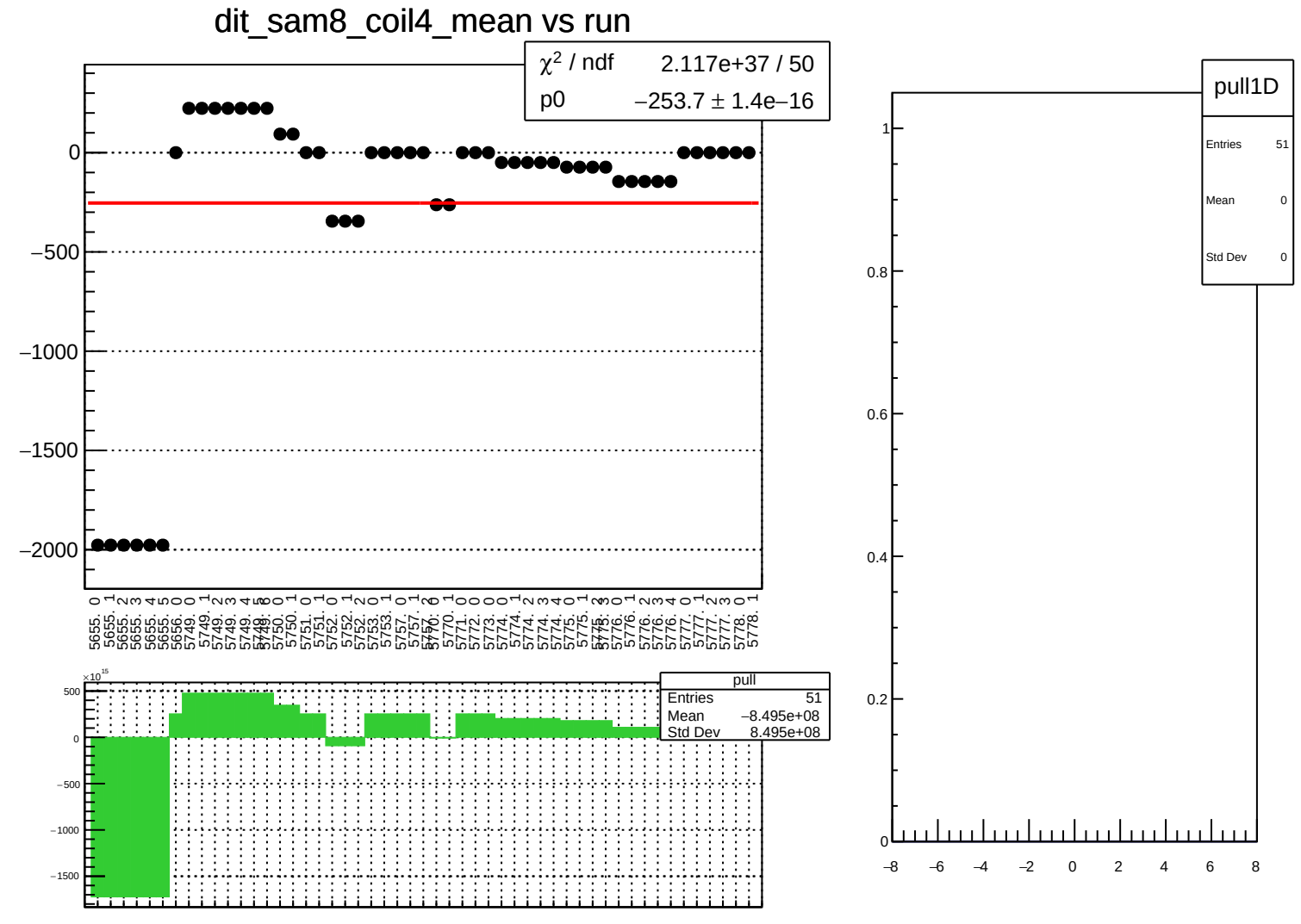

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

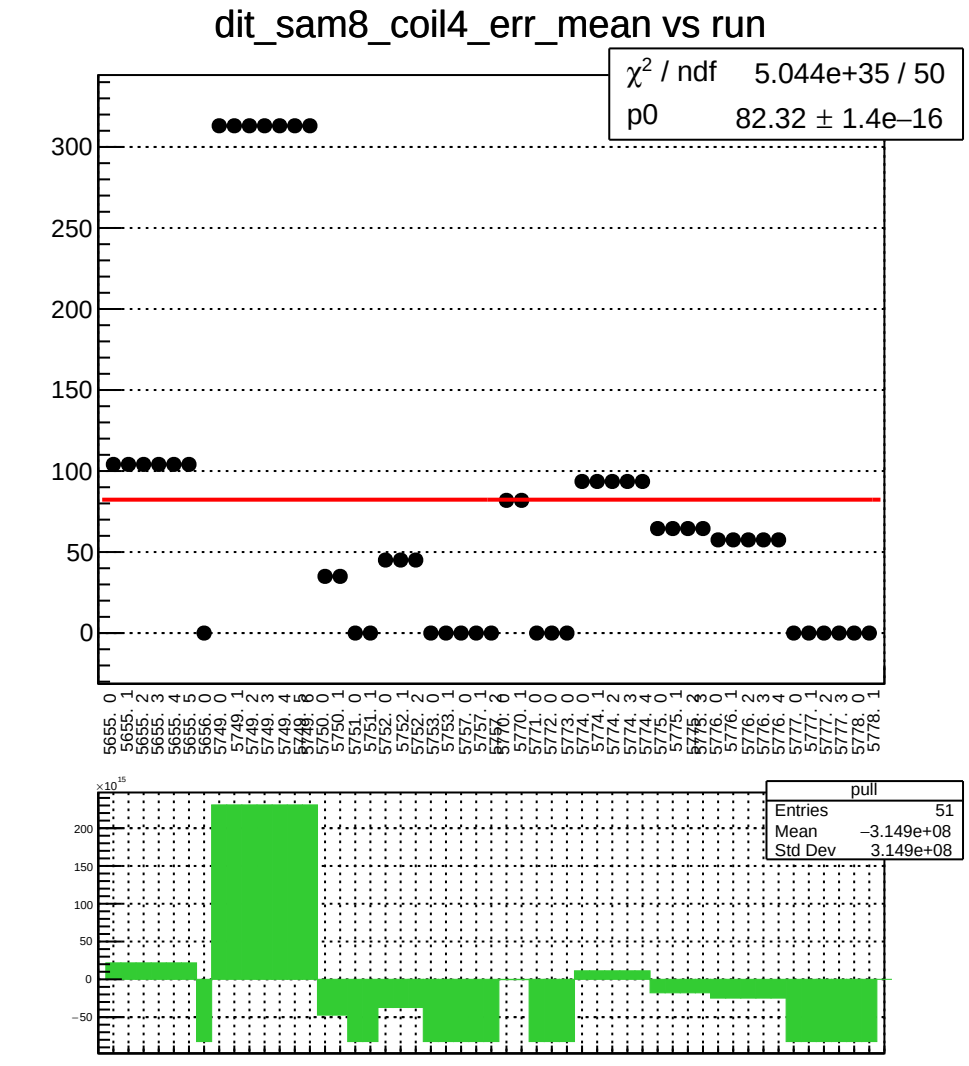

dit_sam7_coil4_err_mean vs run
χ² / ndf 4.869e+35 / 50
p0 90.35 ± 1.4e–16
pull
Entries 51
Mean 2.735e+09
Std Dev 2.735e+09

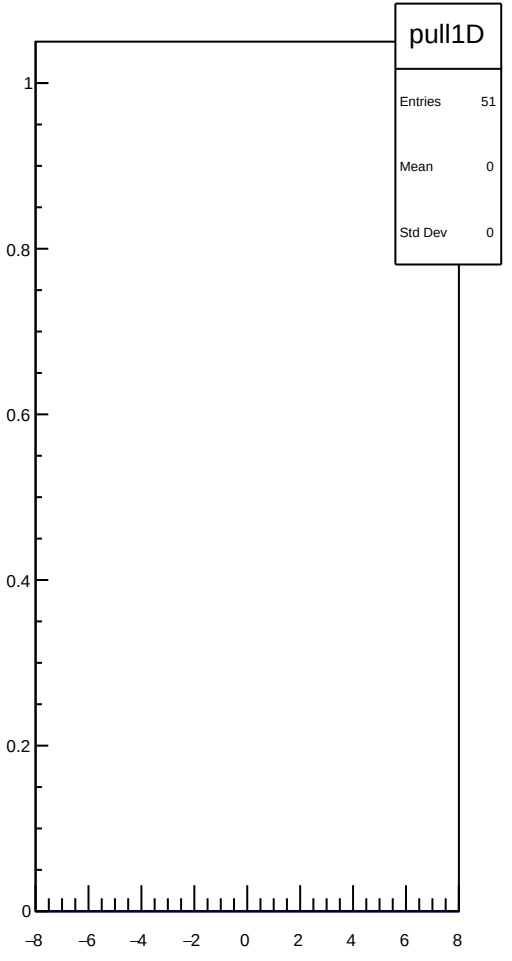

pull1D
Entries 51
Mean 0
Std Dev 0

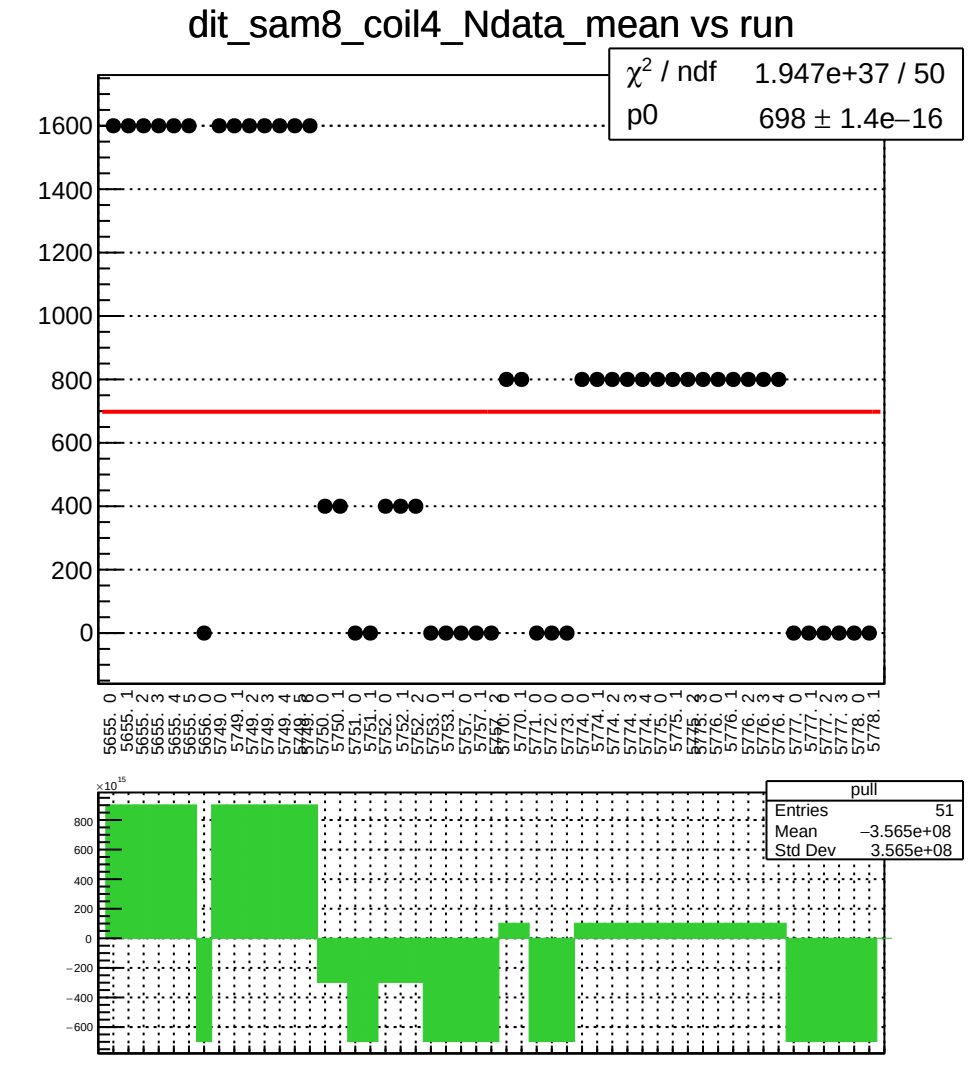

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600

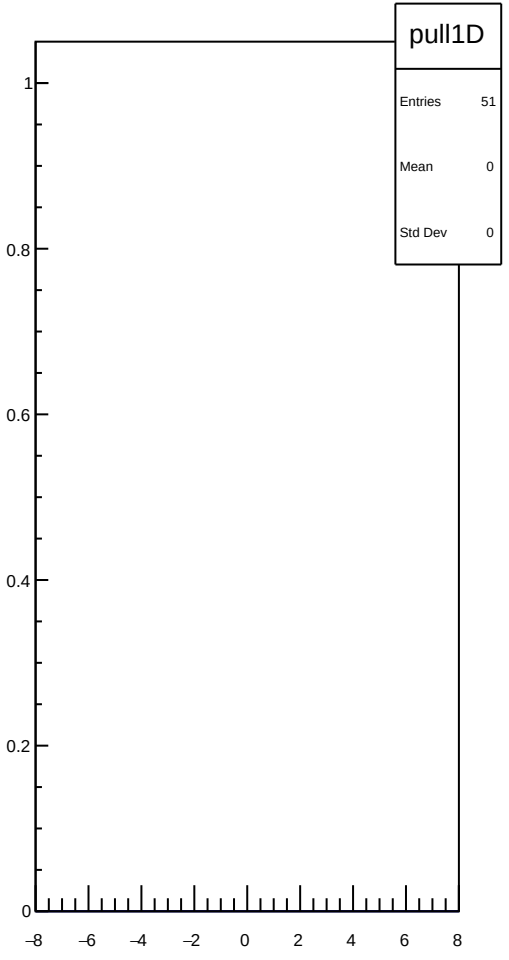

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

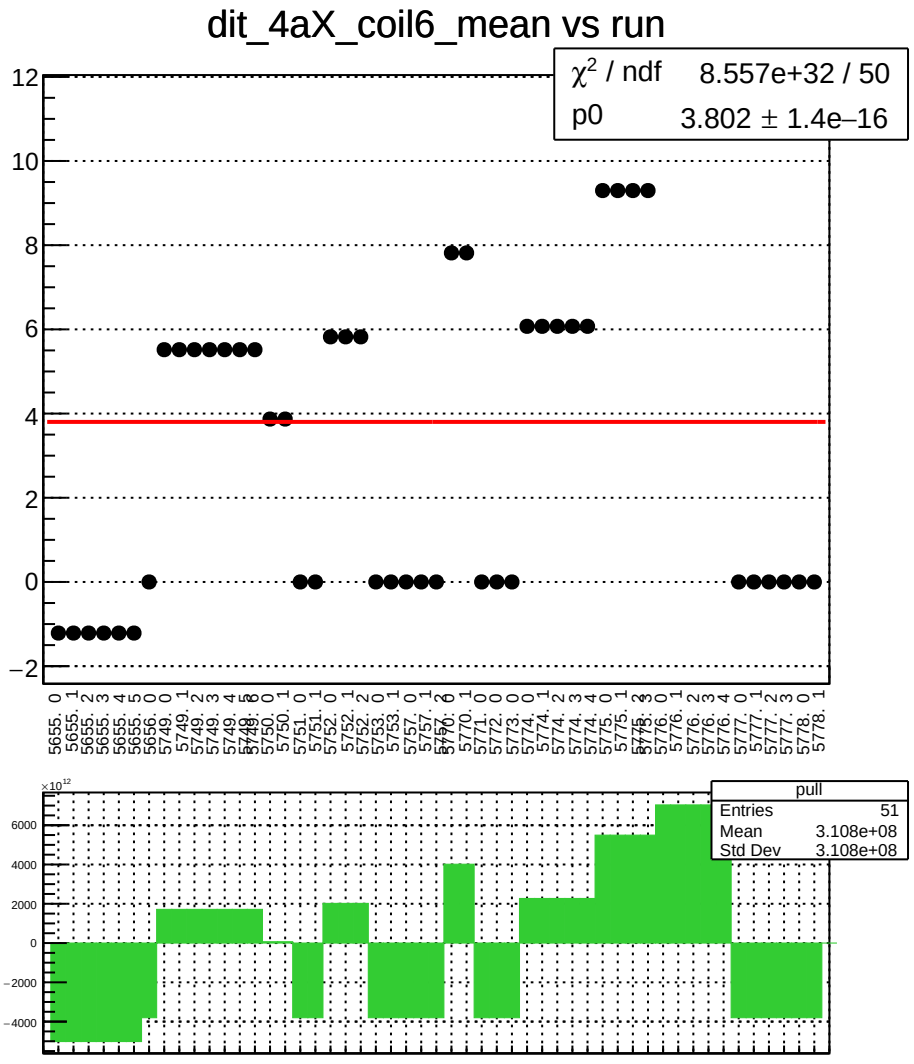

dit_sam8_coil4_mean vs run
χ² / ndf 2.117e+37 / 50
p0 −253.7 ± 1.4e−16
0
−500
−1000
−1500
−2000
pull
Entries 51
Mean −8.495e+08
Std Dev 8.495e+08
×10¹⁵
500
0
−500
−1000
−1500
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

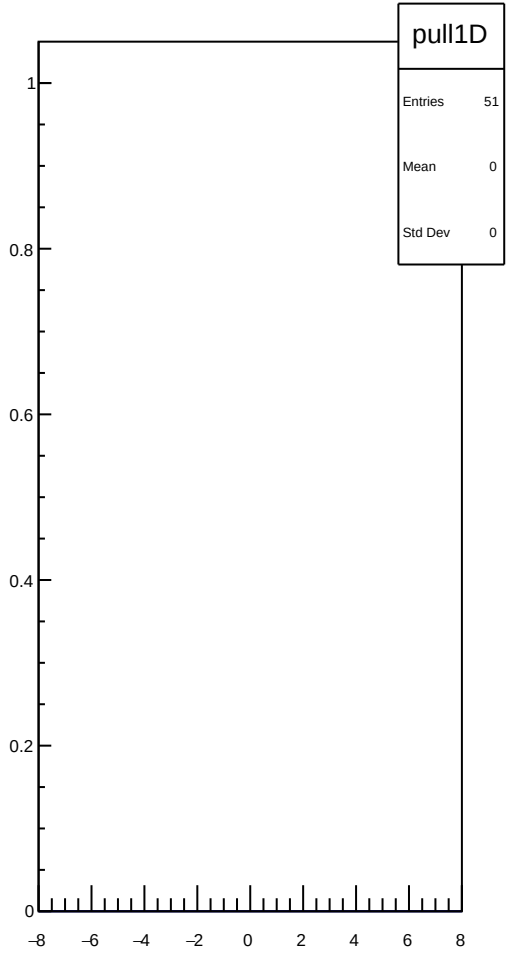

dit_sam8_coil4_err_mean vs run
χ² / ndf 5.044e+35 / 50
p0 82.32 ± 1.4e–16
300
250
200
150
100
50
0
pull
Entries 51
Mean –3.149e+08
Std Dev 3.149e+08
×10¹⁵
200
150
100
50
0
–50

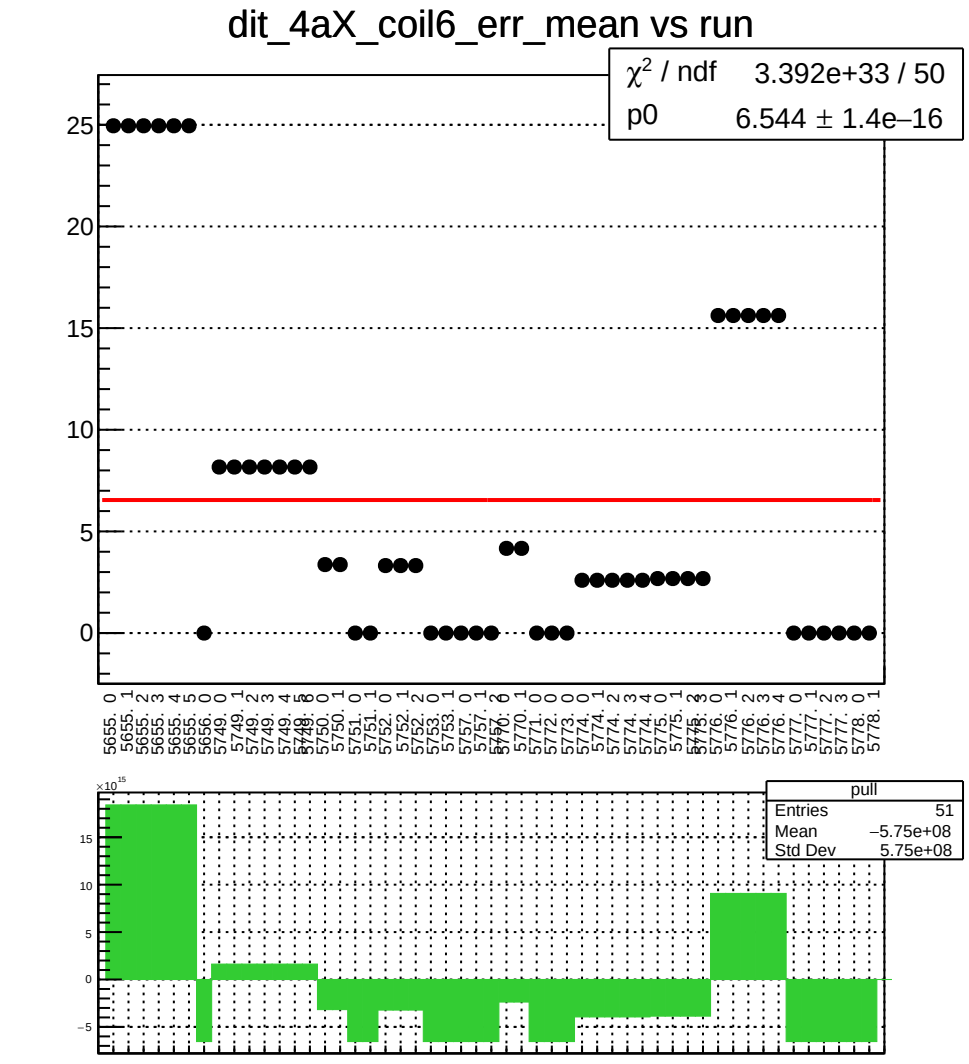

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

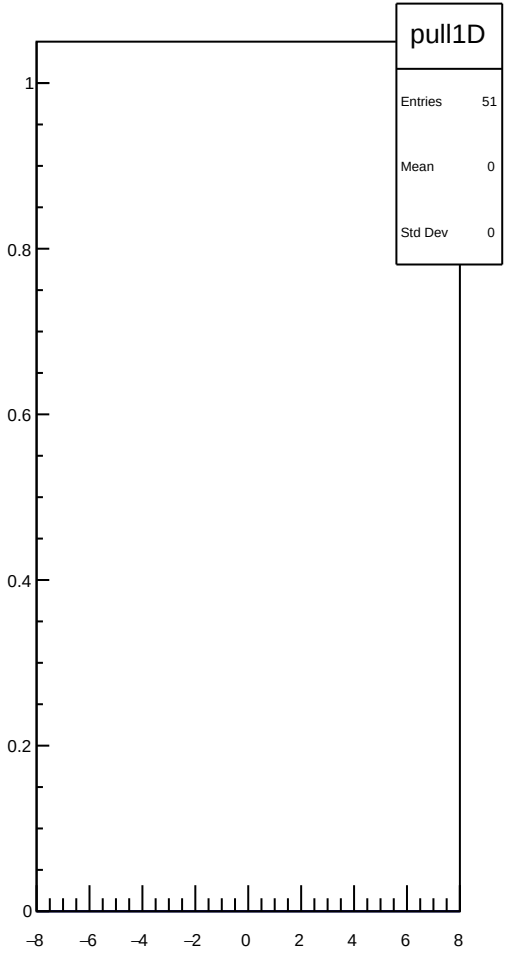

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.947e+37 / 50
p0 698 ± 1.4e−16
pull
Entries 51
Mean −3.565e+08
Std Dev 3.565e+08

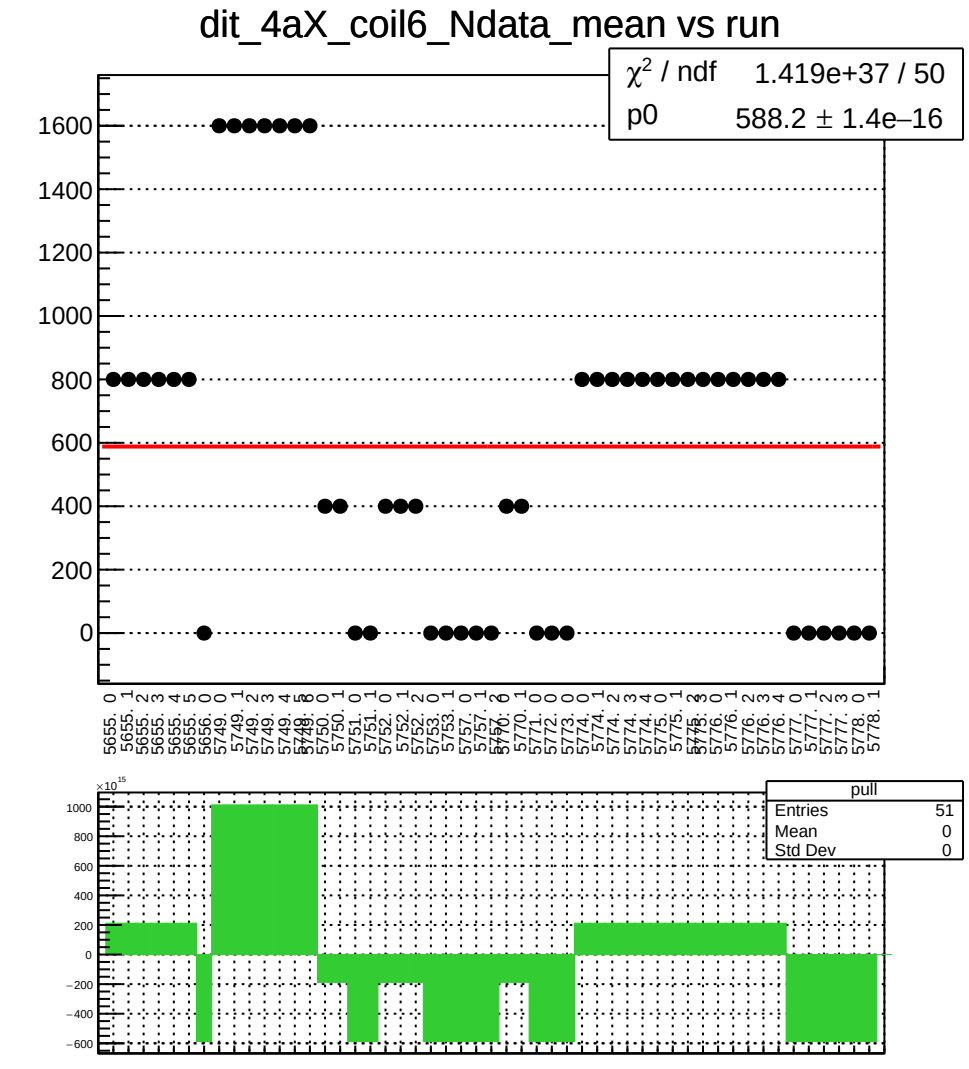

pull1D
Entries 51
Mean 0
Std Dev 0

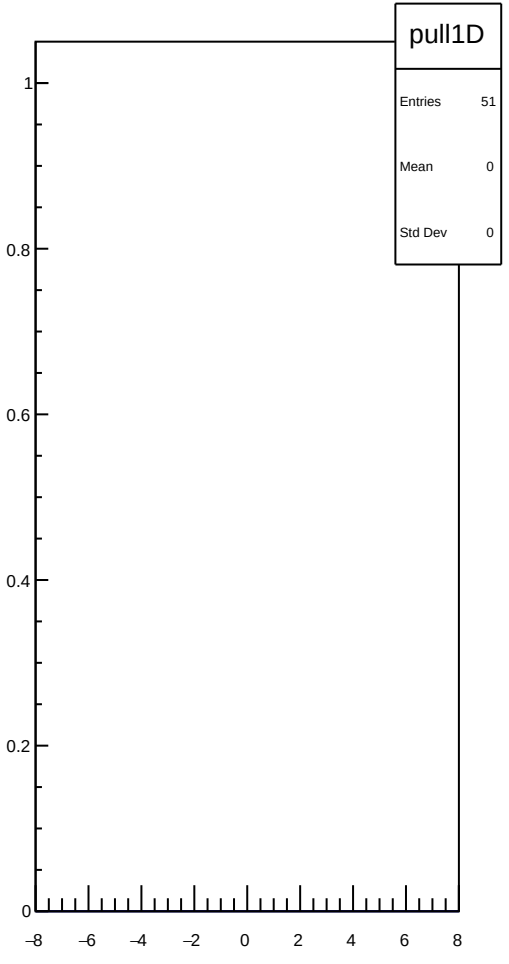

dit_4aX_coil6_mean vs run
χ² / ndf 8.557e+32 / 50
p0 3.802 ± 1.4e–16
pull
Entries 51
Mean 3.108e+08
Std Dev 3.108e+08

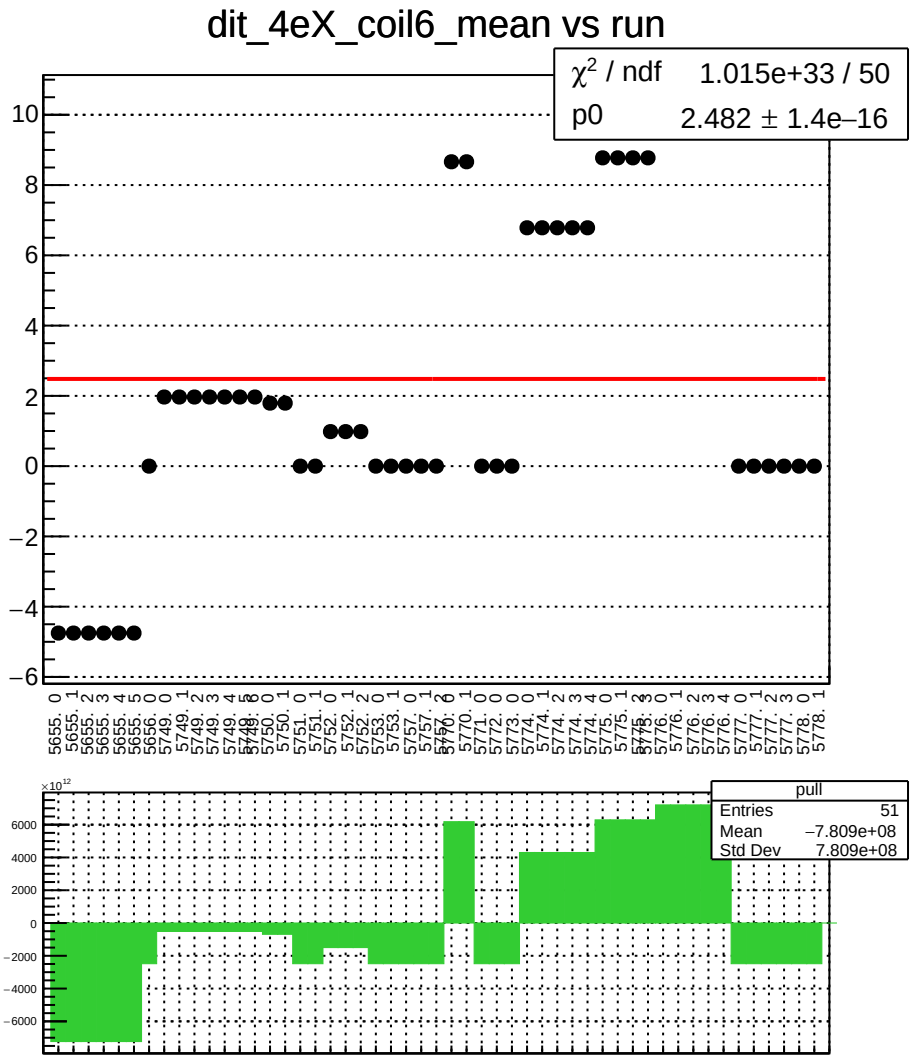

pull1D
Entries 51
Mean 0
Std Dev 0

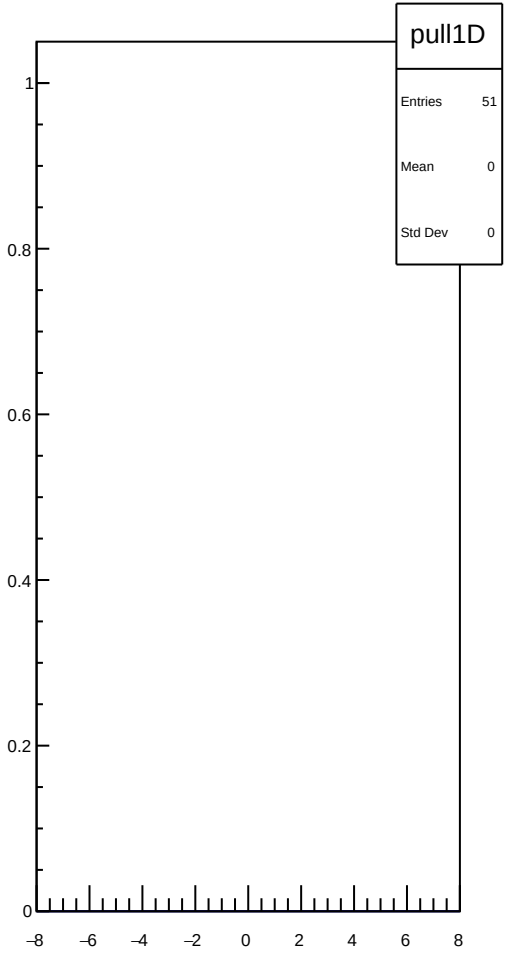

dit_4aX_coil6_err_mean vs run
χ² / ndf 3.392e+33 / 50
p0 6.544 ± 1.4e–16
pull
Entries 51
Mean –5.75e+08
Std Dev 5.75e+08

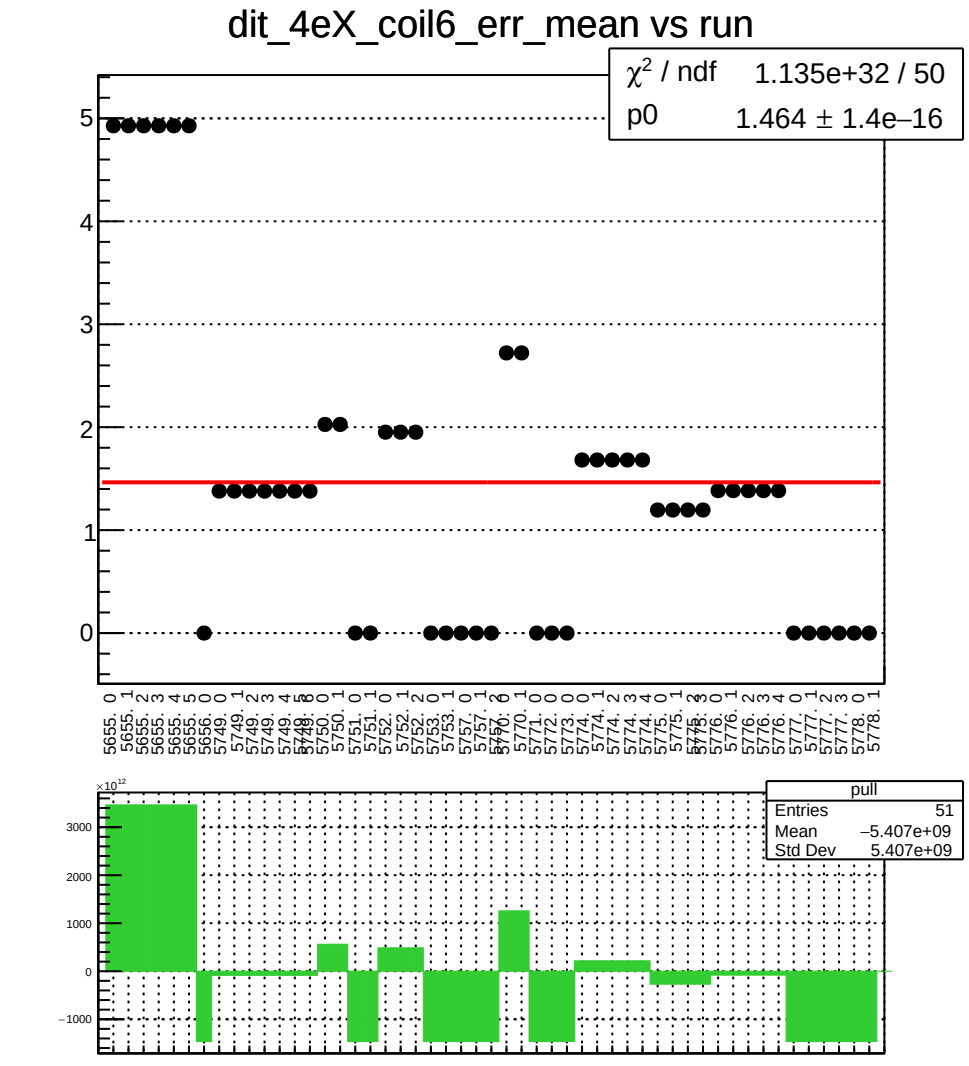

pull1D
Entries 51
Mean 0
Std Dev 0

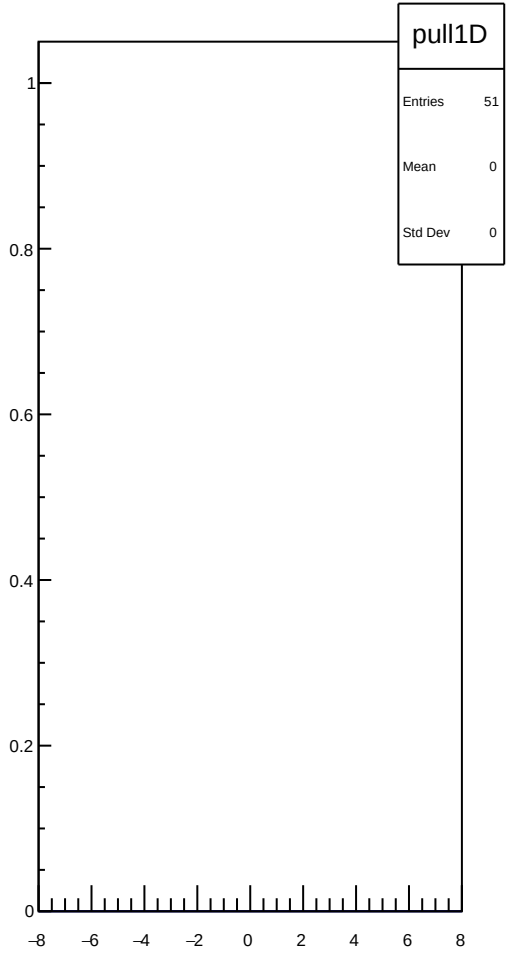

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

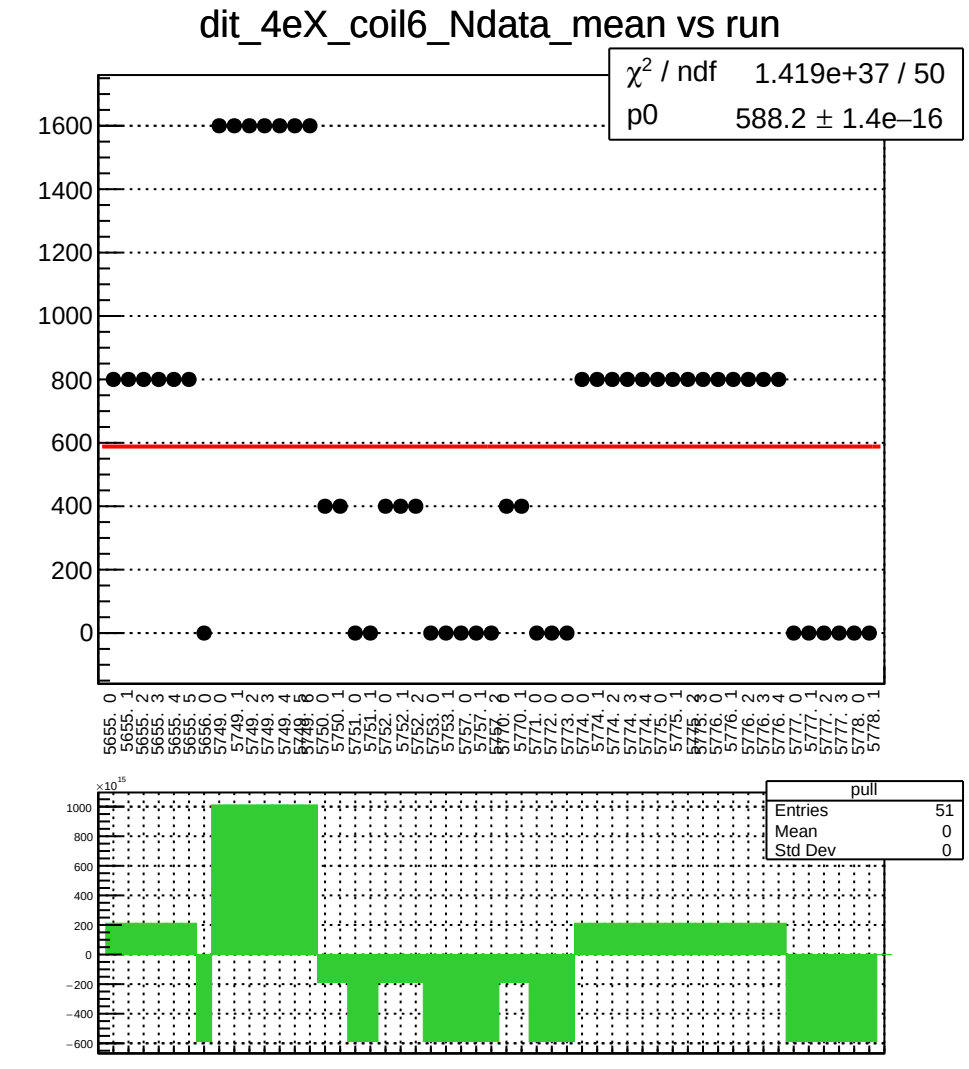

pull1D
Entries 51
Mean 0
Std Dev 0

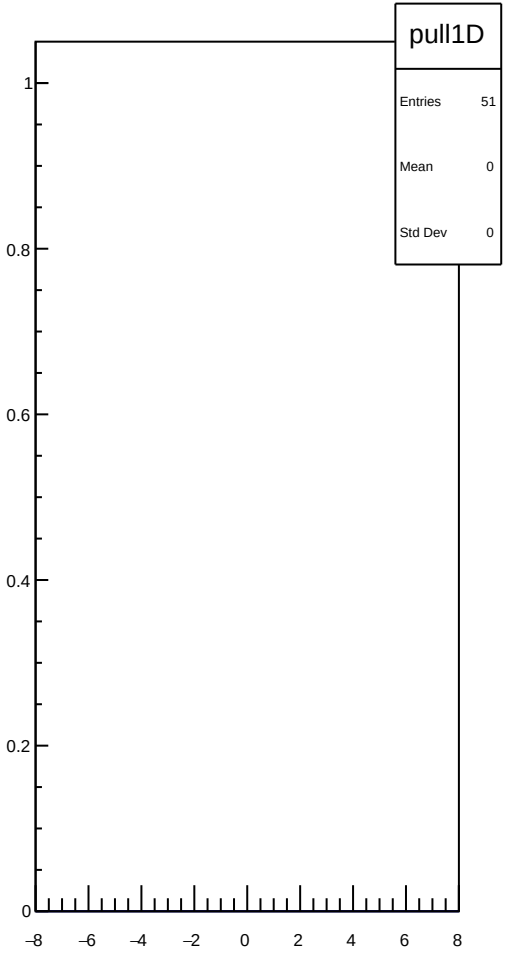

dit_4eX_coil6_mean vs run
χ² / ndf 1.015e+33 / 50
p0 2.482 ± 1.4e–16
pull
Entries 51
Mean –7.809e+08
Std Dev 7.809e+08

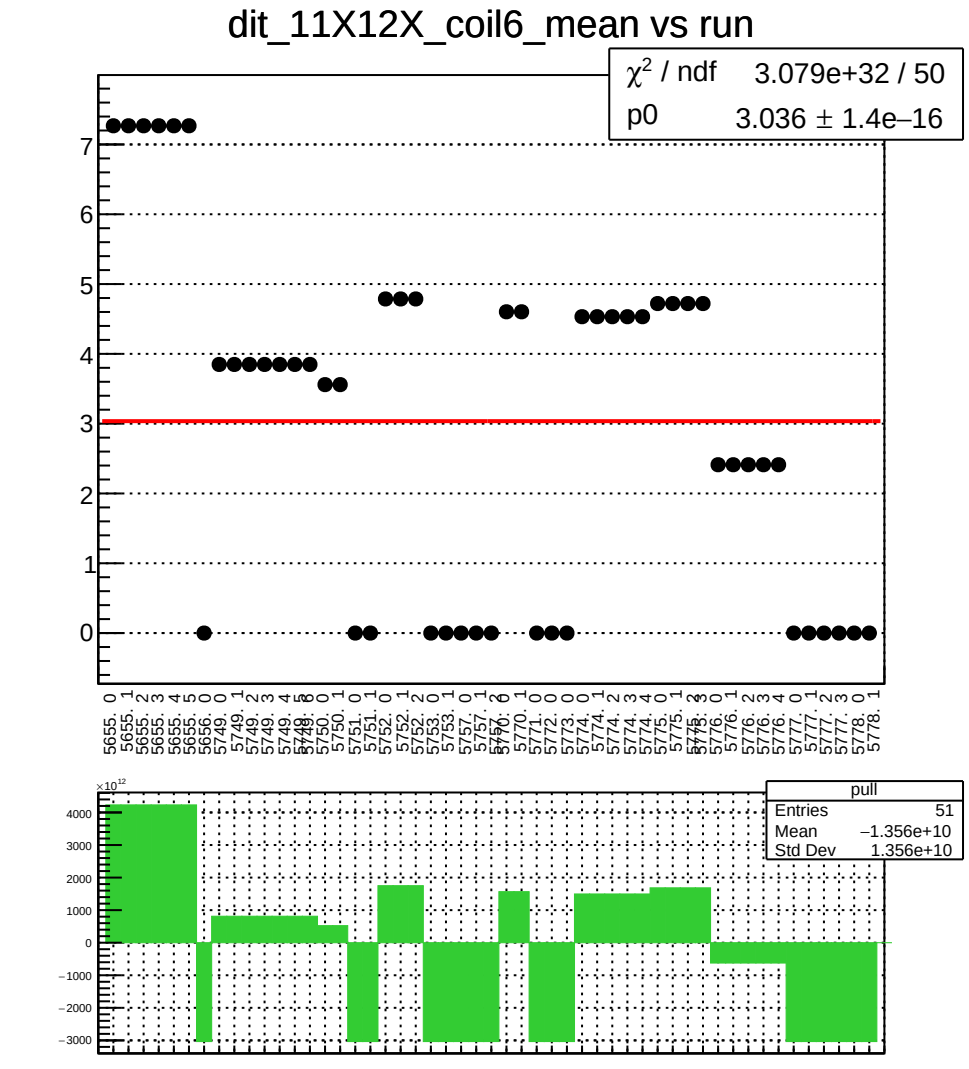

pull1D
Entries 51
Mean 0
Std Dev 0

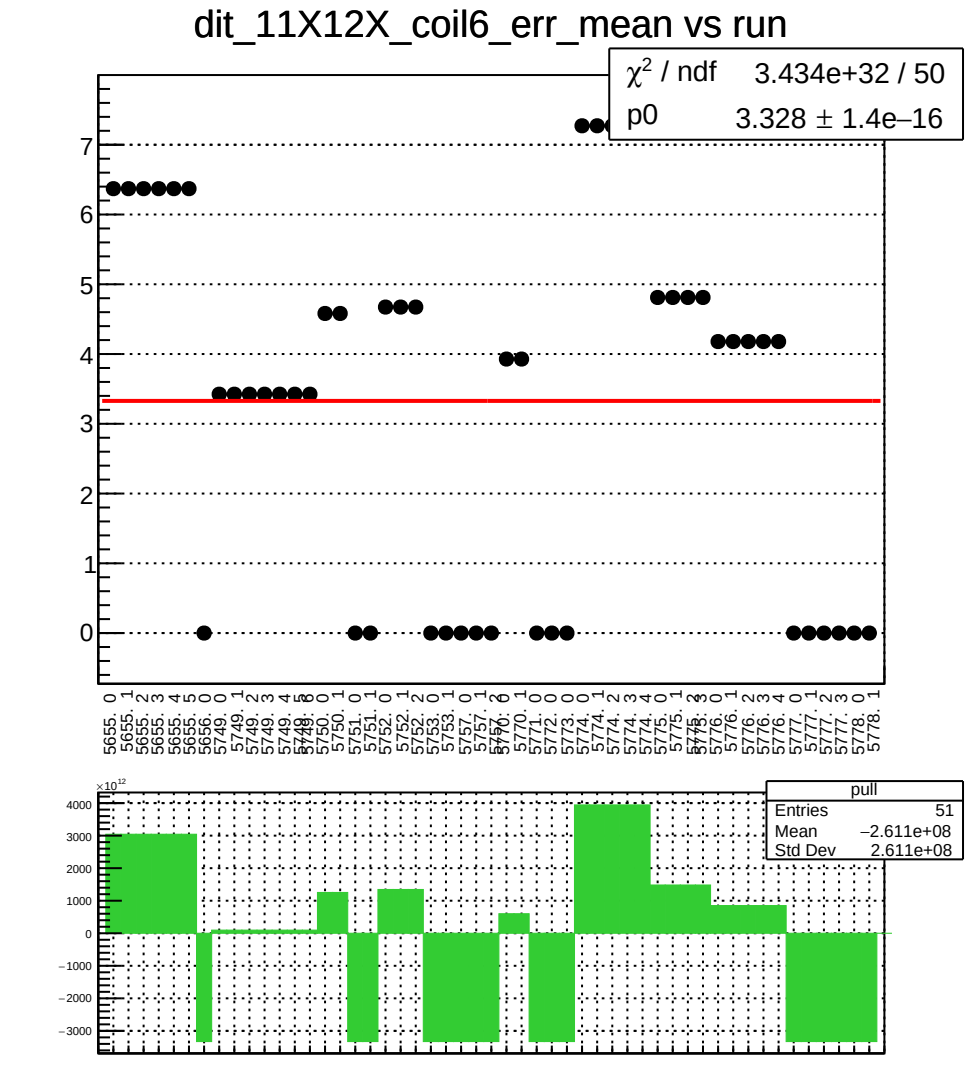

dit_4eX_coil6_err_mean vs run
χ² / ndf 1.135e+32 / 50
p0 1.464 ± 1.4e–16
pull
Entries 51
Mean –5.407e+09
Std Dev 5.407e+09
×10¹²

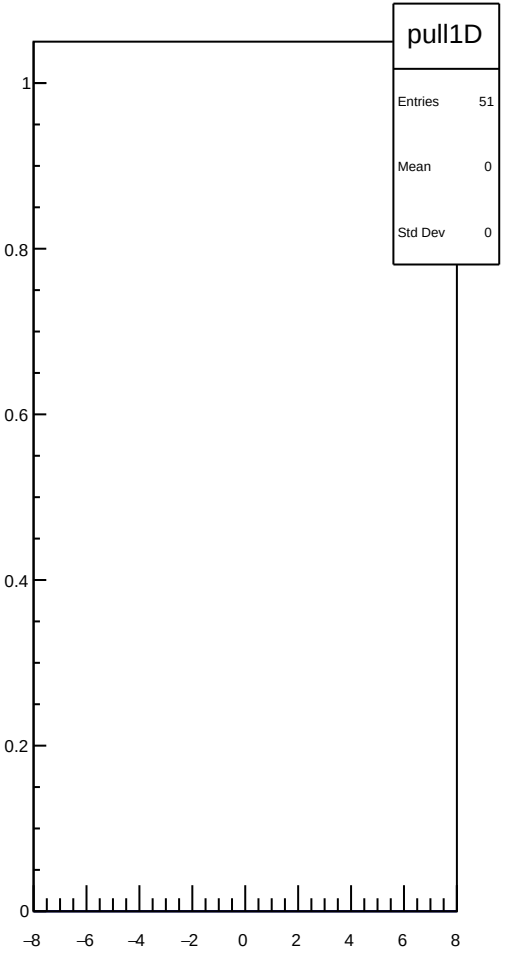

pull1D
Entries 51
Mean 0
Std Dev 0

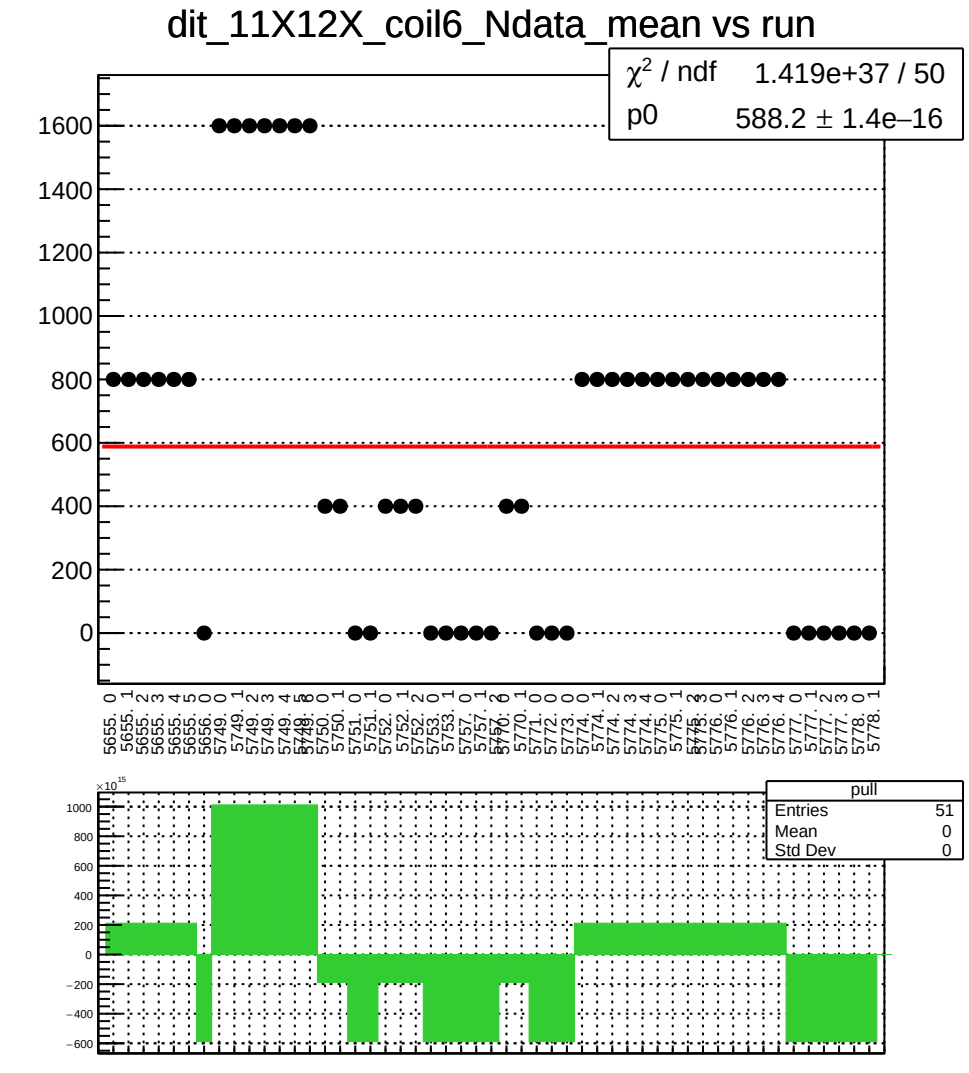

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

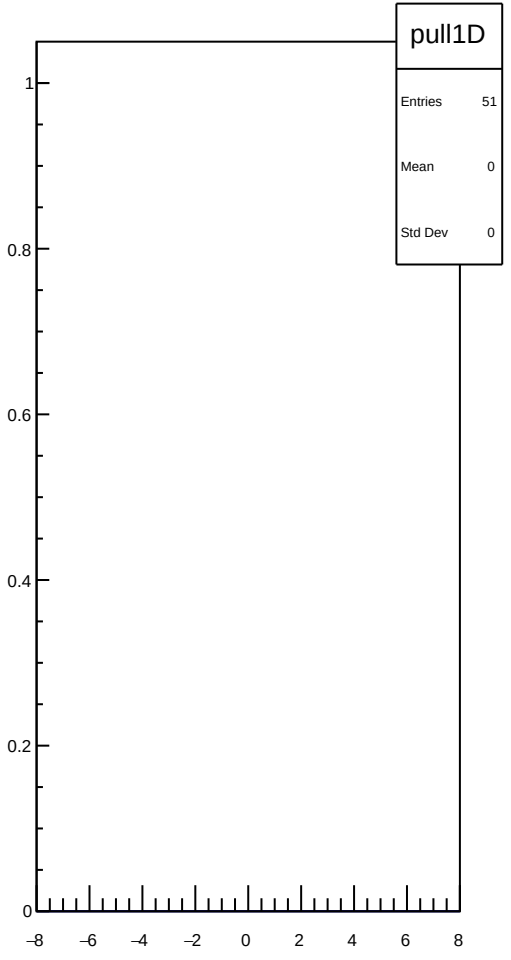

pull1D
Entries 51
Mean 0
Std Dev 0

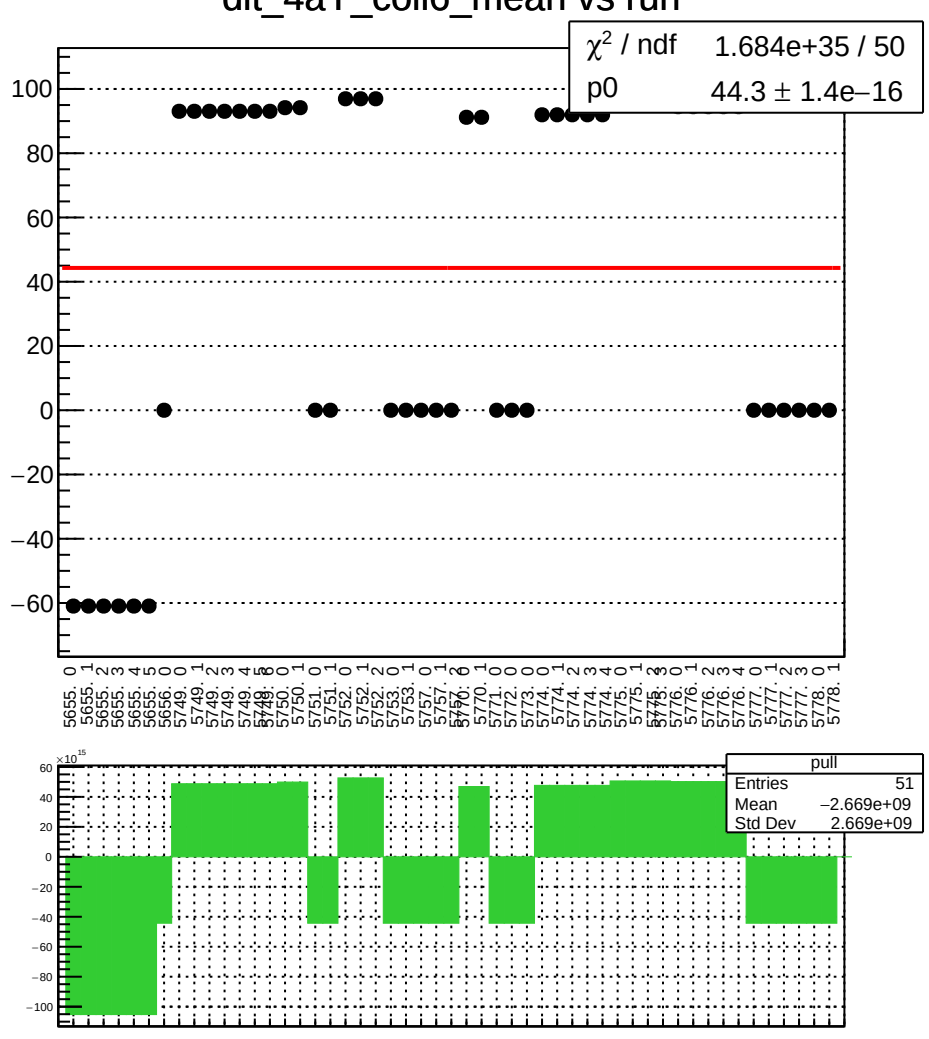

dit_11X12X_coil6_mean vs run
χ² / ndf 3.079e+32 / 50
p0 3.036 ± 1.4e–16
pull
Entries 51
Mean –1.356e+10
Std Dev 1.356e+10
pull1D
Entries 51
Mean 0
Std Dev 0

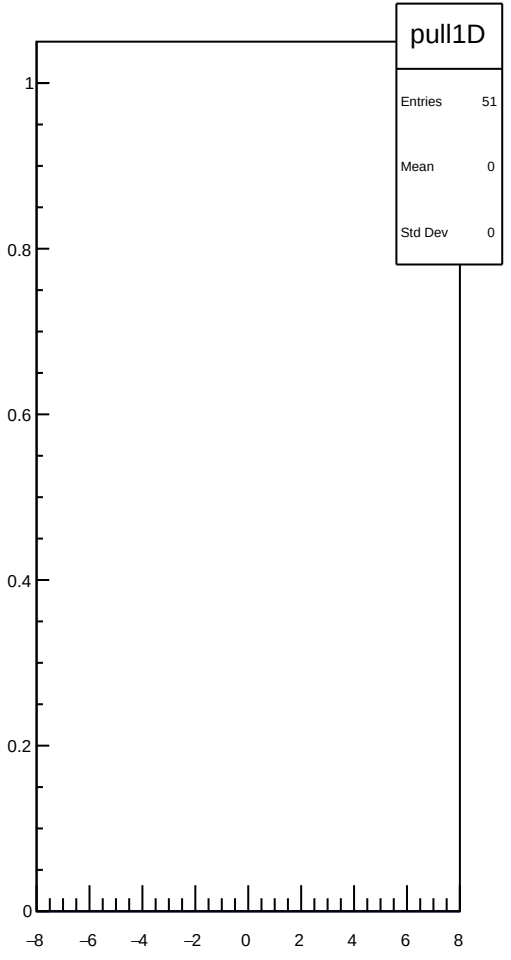

dit_11X12X_coil6_err_mean vs run
χ² / ndf 3.434e+32 / 50
p0 3.328 ± 1.4e–16
pull
Entries 51
Mean –2.611e+08
Std Dev 2.611e+08
×10¹²

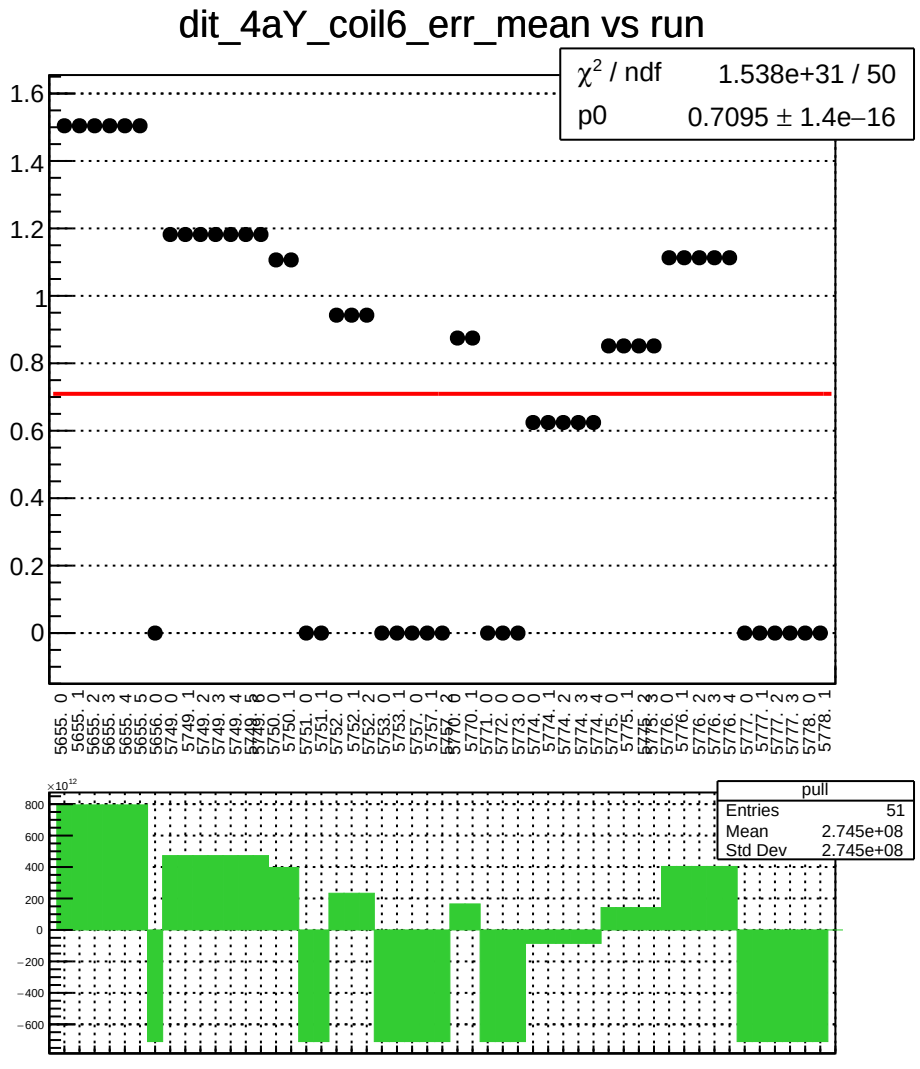

pull1D
Entries 51
Mean 0
Std Dev 0

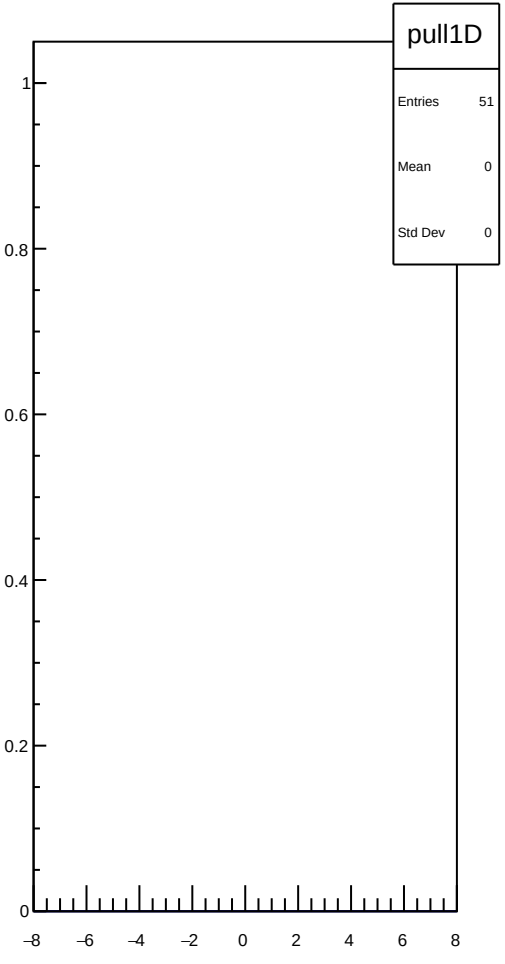

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

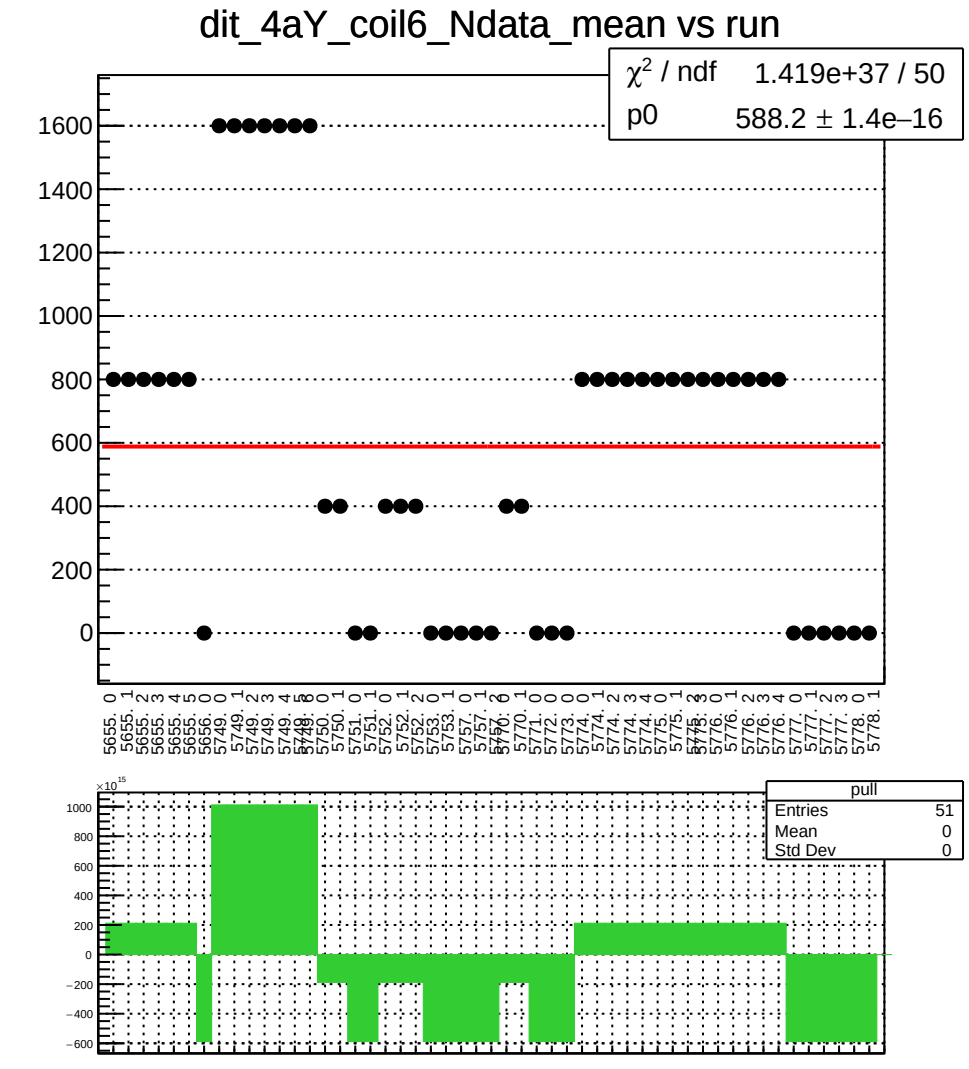

pull1D
Entries 51
Mean 0
Std Dev 0

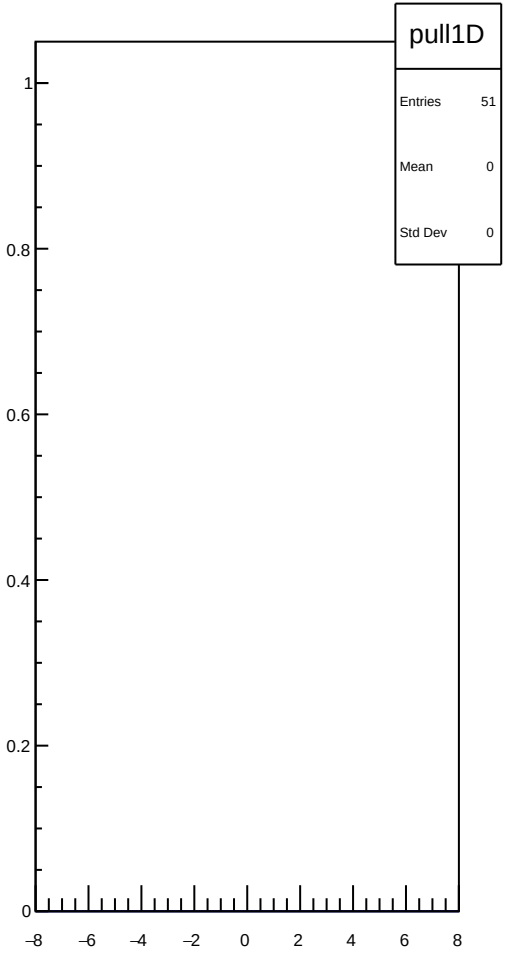

dit_4aY_coil6_mean vs run
χ² / ndf 1.684e+35 / 50
p0 44.3 ± 1.4e−16
pull
Entries 51
Mean −2.669e+09
Std Dev 2.669e+09

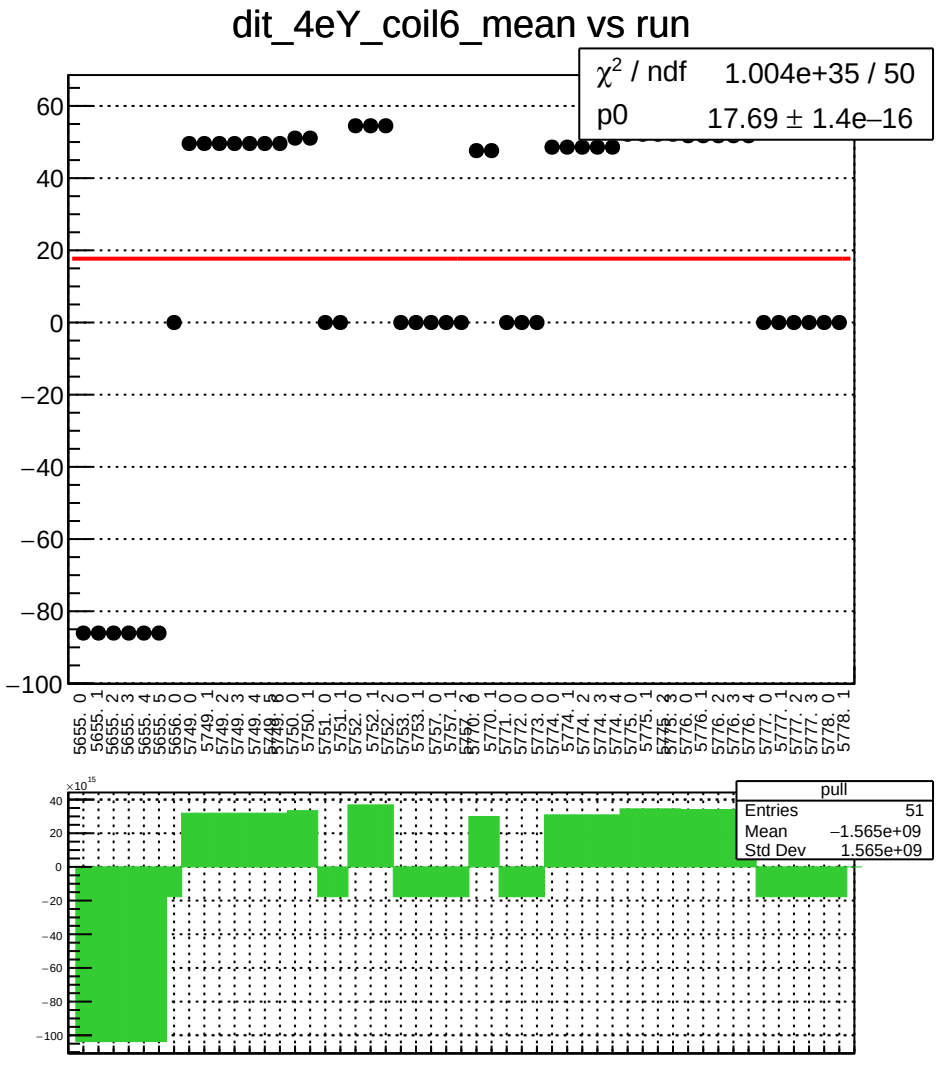

pull1D
Entries 51
Mean 0
Std Dev 0

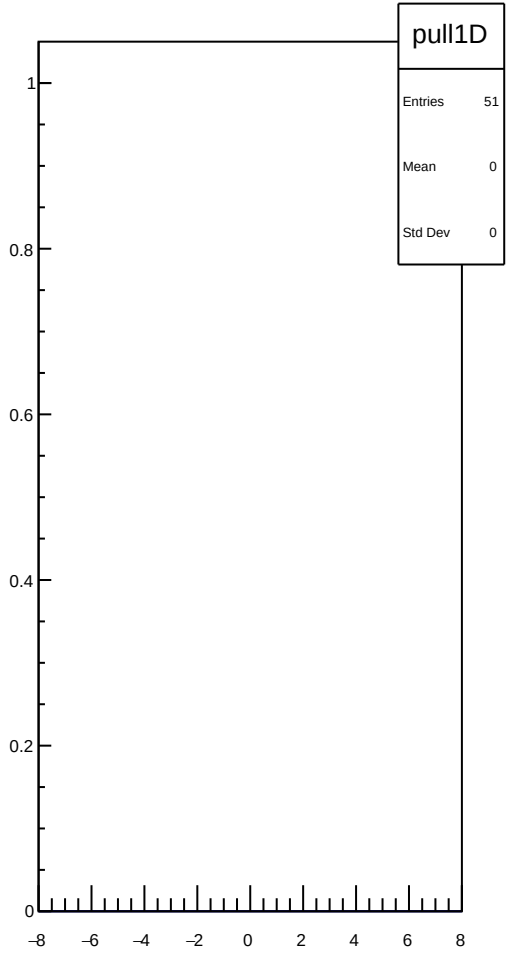

dit_4aY_coil6_err_mean vs run
χ² / ndf 1.538e+31 / 50
p0 0.7095 ± 1.4e−16
pull
Entries 51
Mean 2.745e+08
Std Dev 2.745e+08

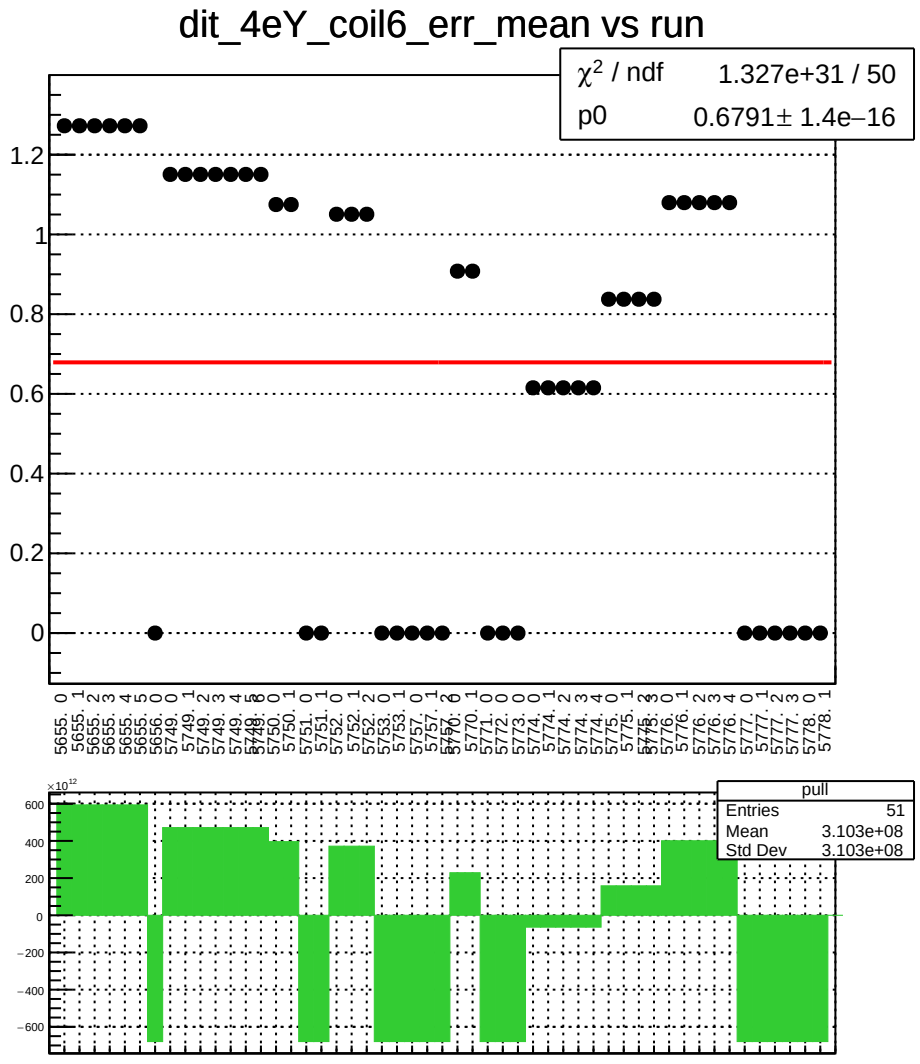

pull1D
Entries 51
Mean 0
Std Dev 0

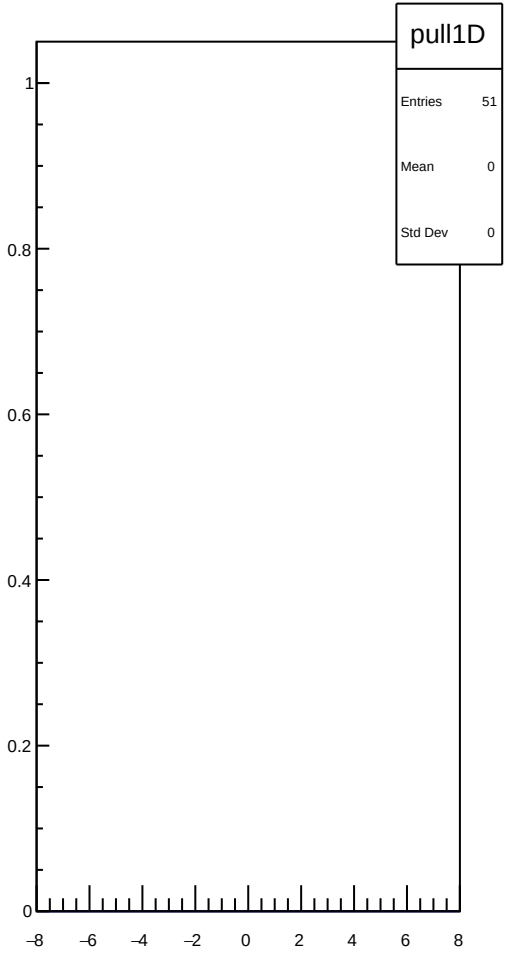

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

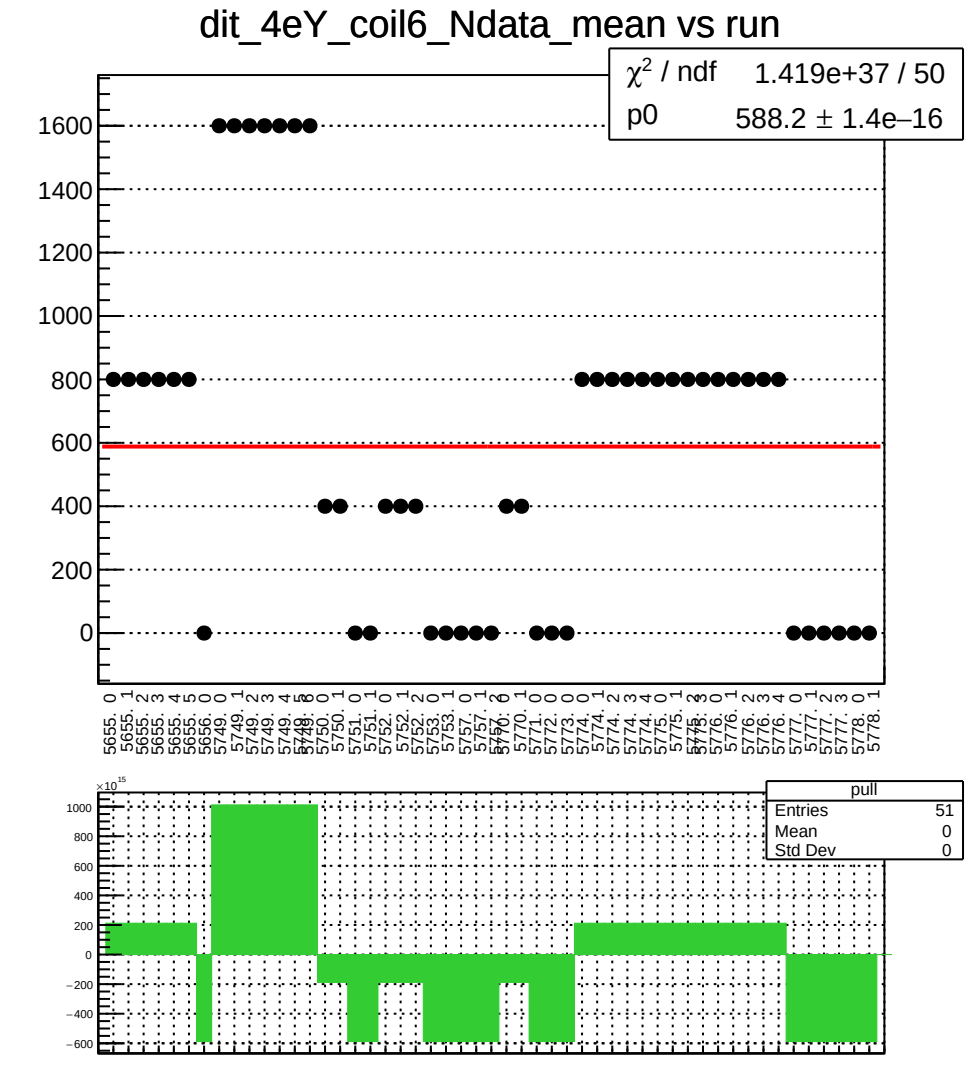

pull1D
Entries 51
Mean 0
Std Dev 0

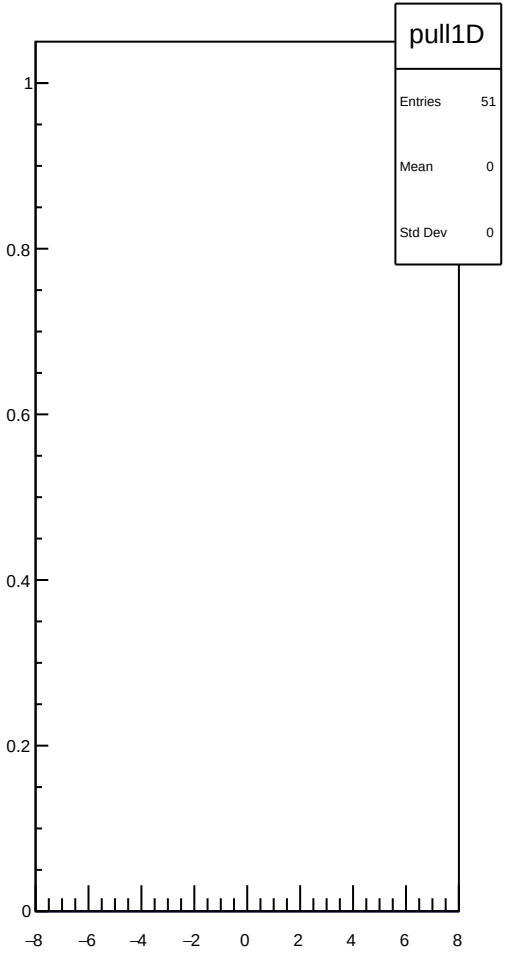

dit_4eY_coil6_mean vs run
χ² / ndf 1.004e+35 / 50
p0 17.69 ± 1.4e–16
pull
Entries 51
Mean –1.565e+09
Std Dev 1.565e+09

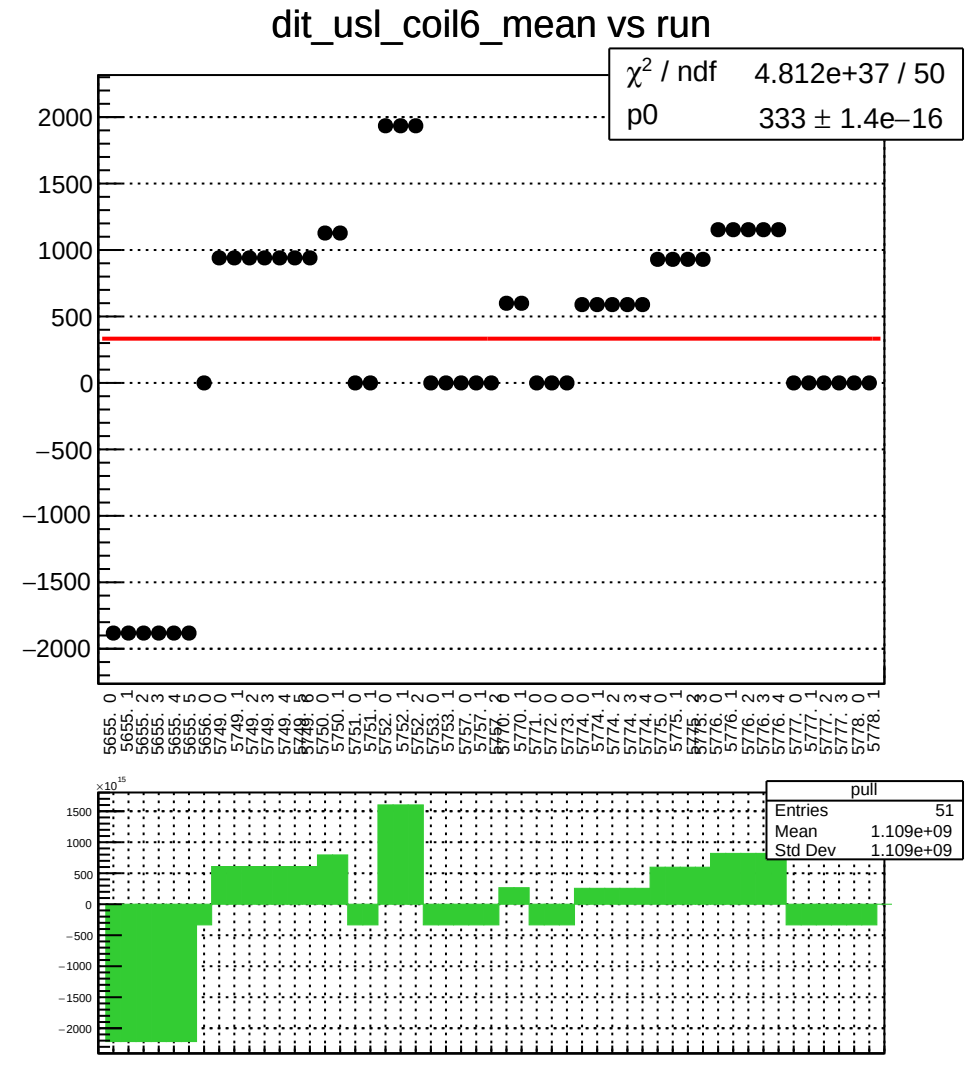

pull1D
Entries 51
Mean 0
Std Dev 0

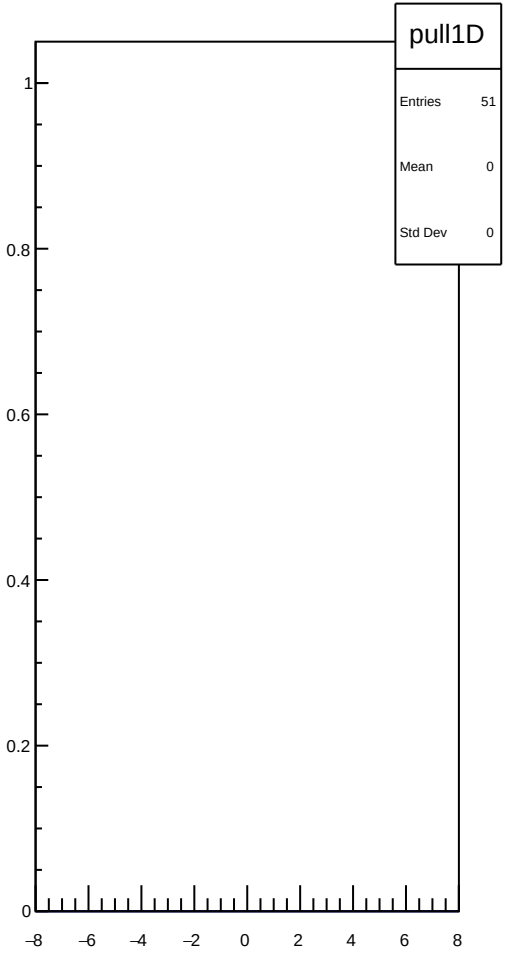

dit_4eY_coil6_err_mean vs run
χ² / ndf 1.327e+31 / 50
p0 0.6791± 1.4e−16
pull
Entries 51
Mean 3.103e+08
Std Dev 3.103e+08

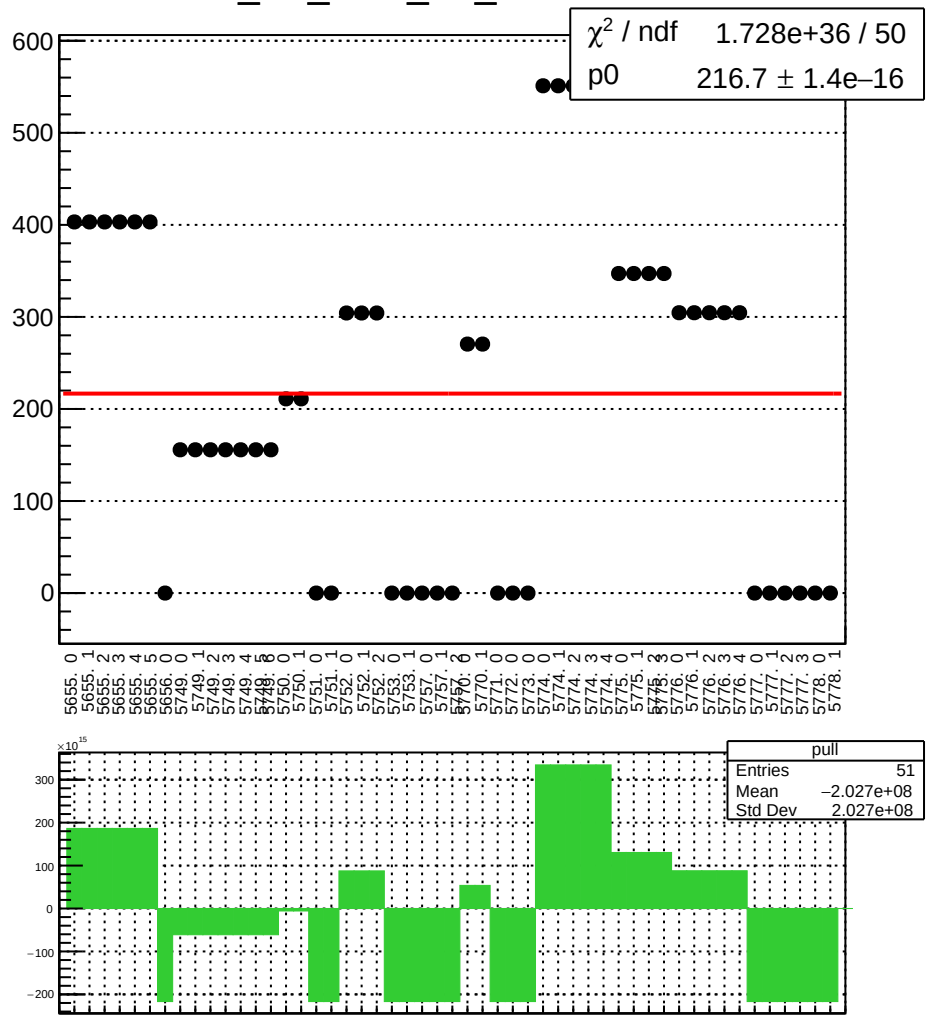

pull1D
Entries 51
Mean 0
Std Dev 0

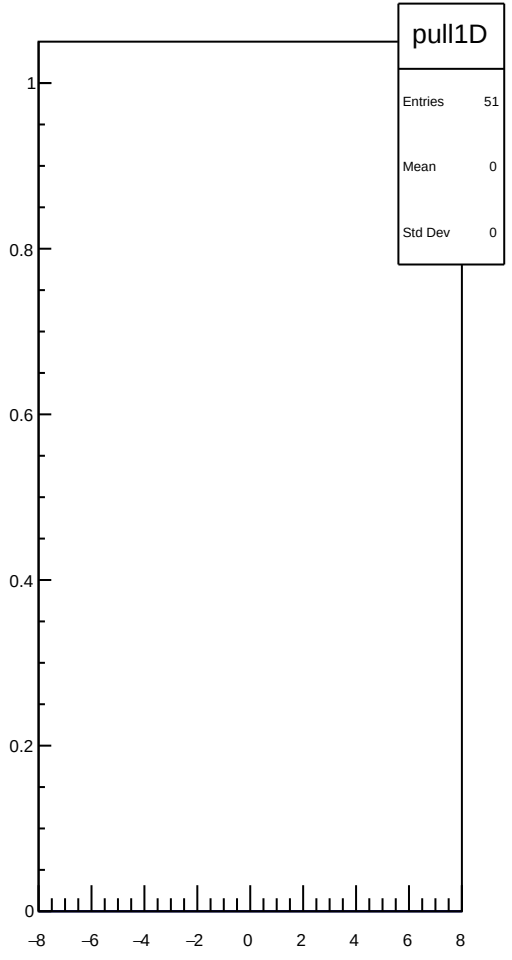

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

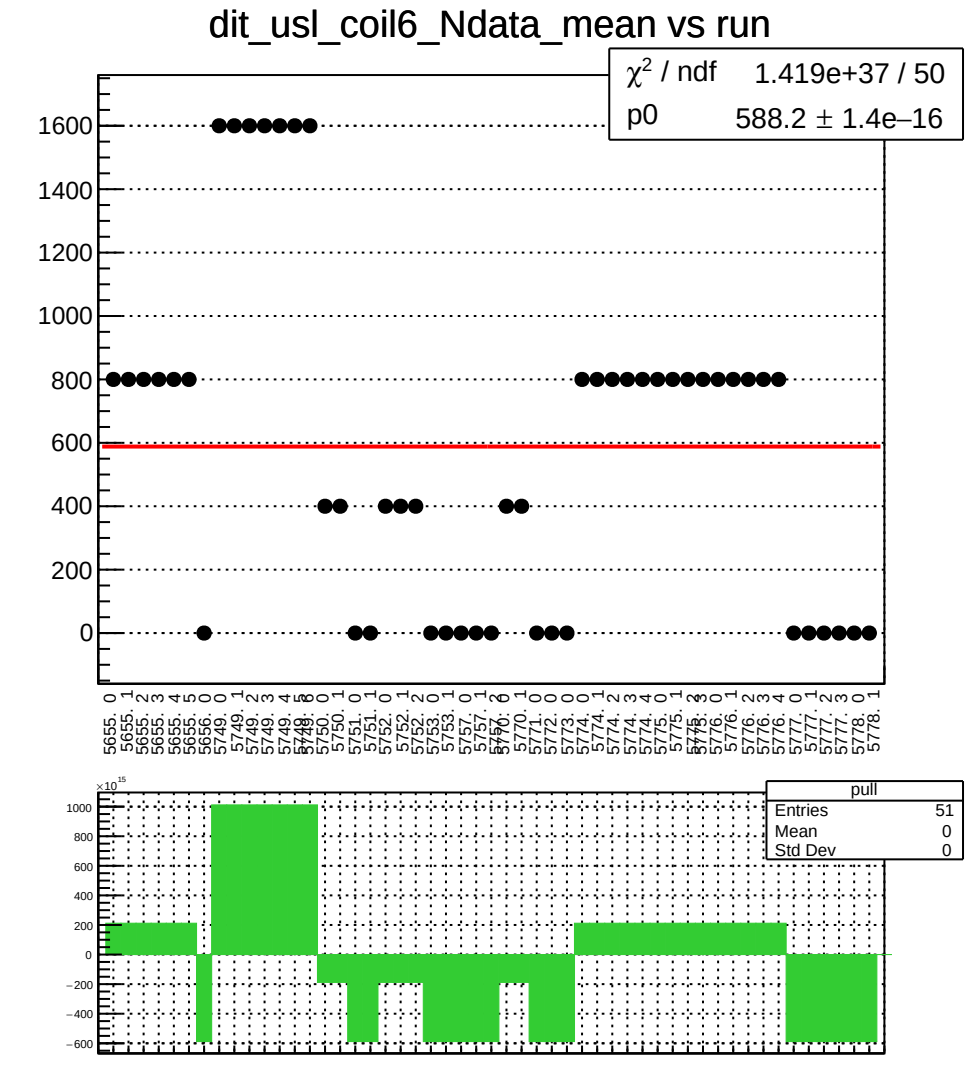

pull1D
Entries 51
Mean 0
Std Dev 0

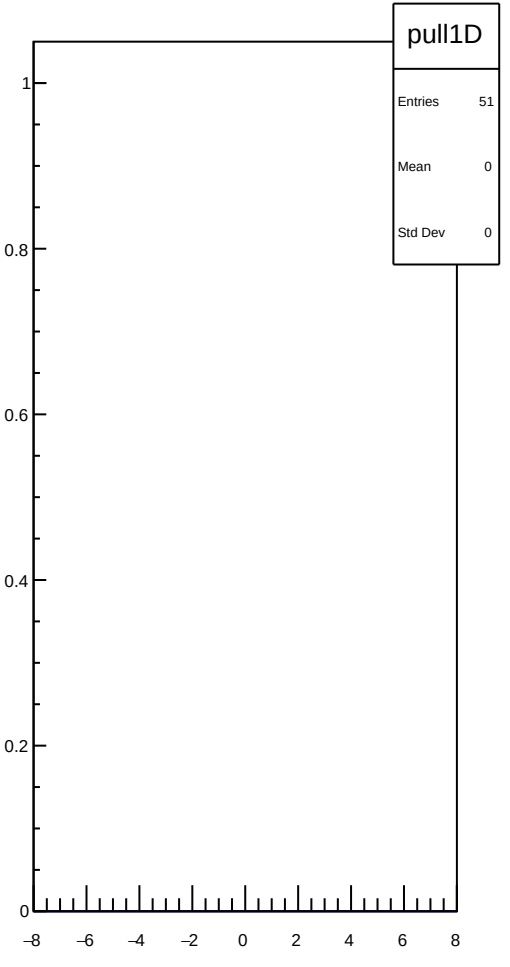

dit_usl_coil6_mean vs run
χ² / ndf 4.812e+37 / 50
p0 333 ± 1.4e−16
pull
Entries 51
Mean 1.109e+09
Std Dev 1.109e+09

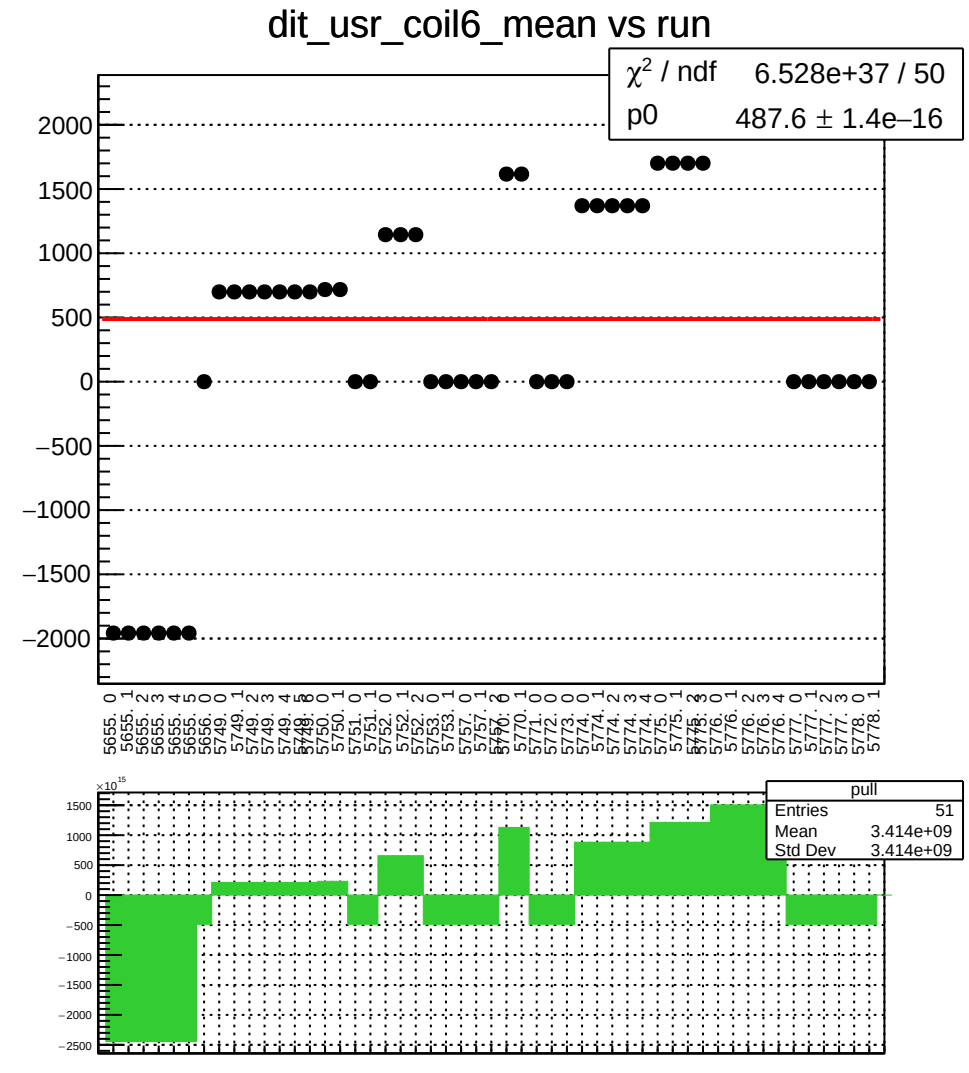

pull1D
Entries 51
Mean 0
Std Dev 0

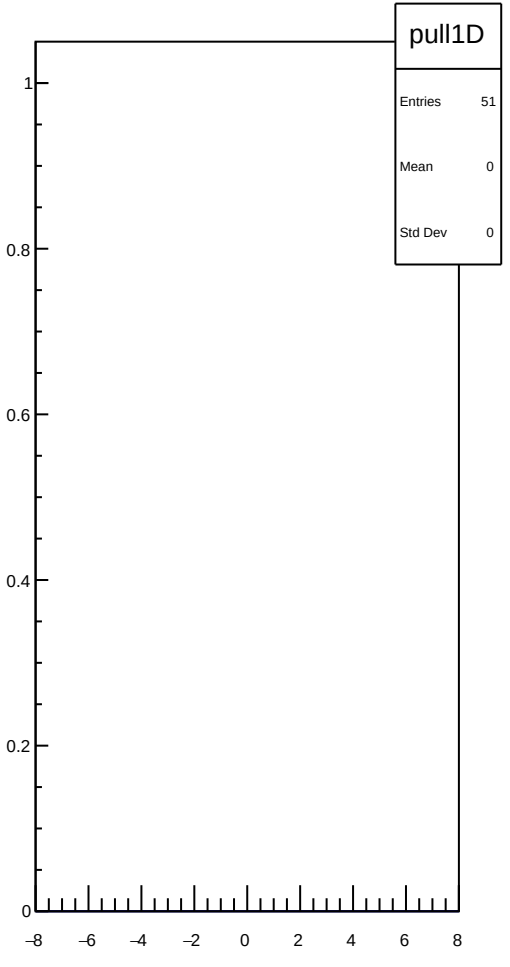

dit_usl_coil6_err_mean vs run
χ² / ndf 1.728e+36 / 50
p0 216.7 ± 1.4e–16
pull
Entries 51
Mean –2.027e+08
Std Dev 2.027e+08

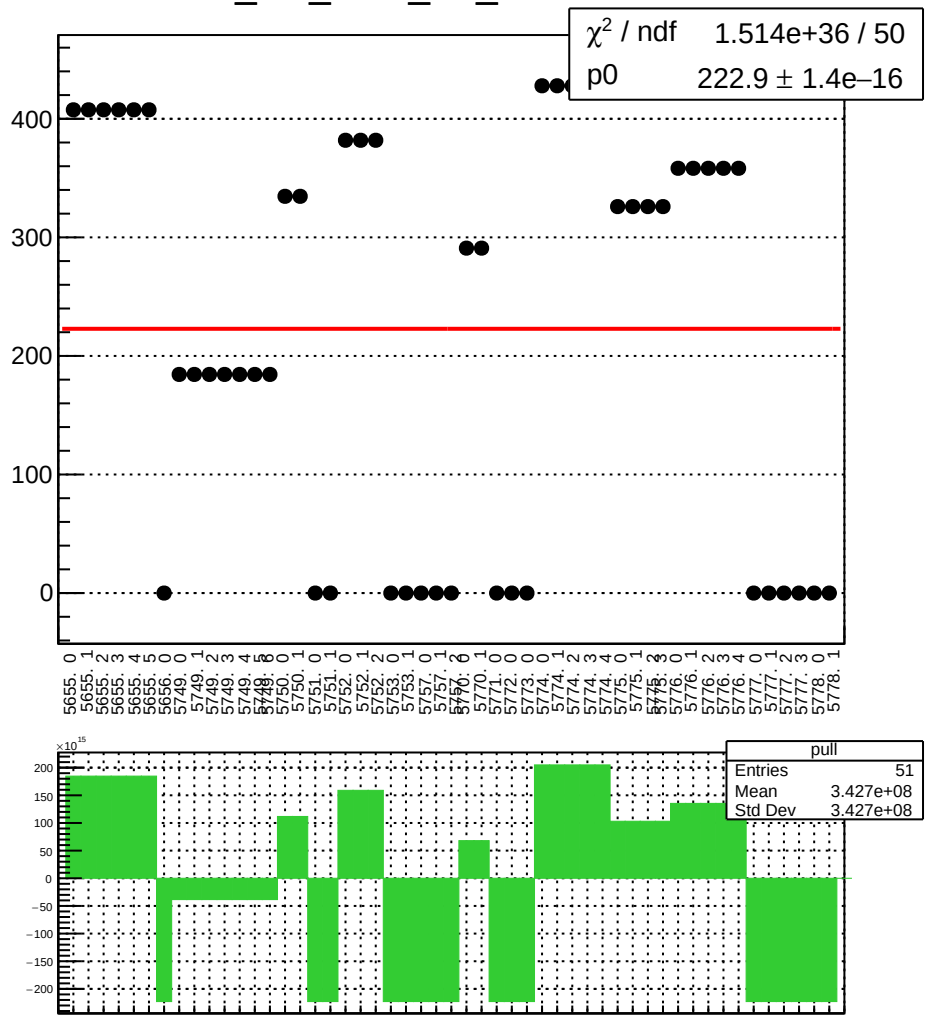

pull1D
Entries 51
Mean 0
Std Dev 0

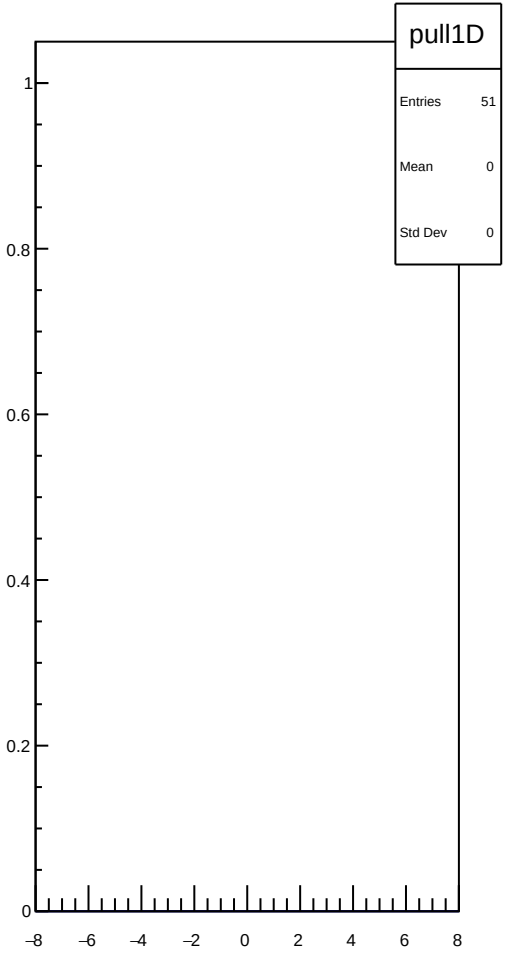

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

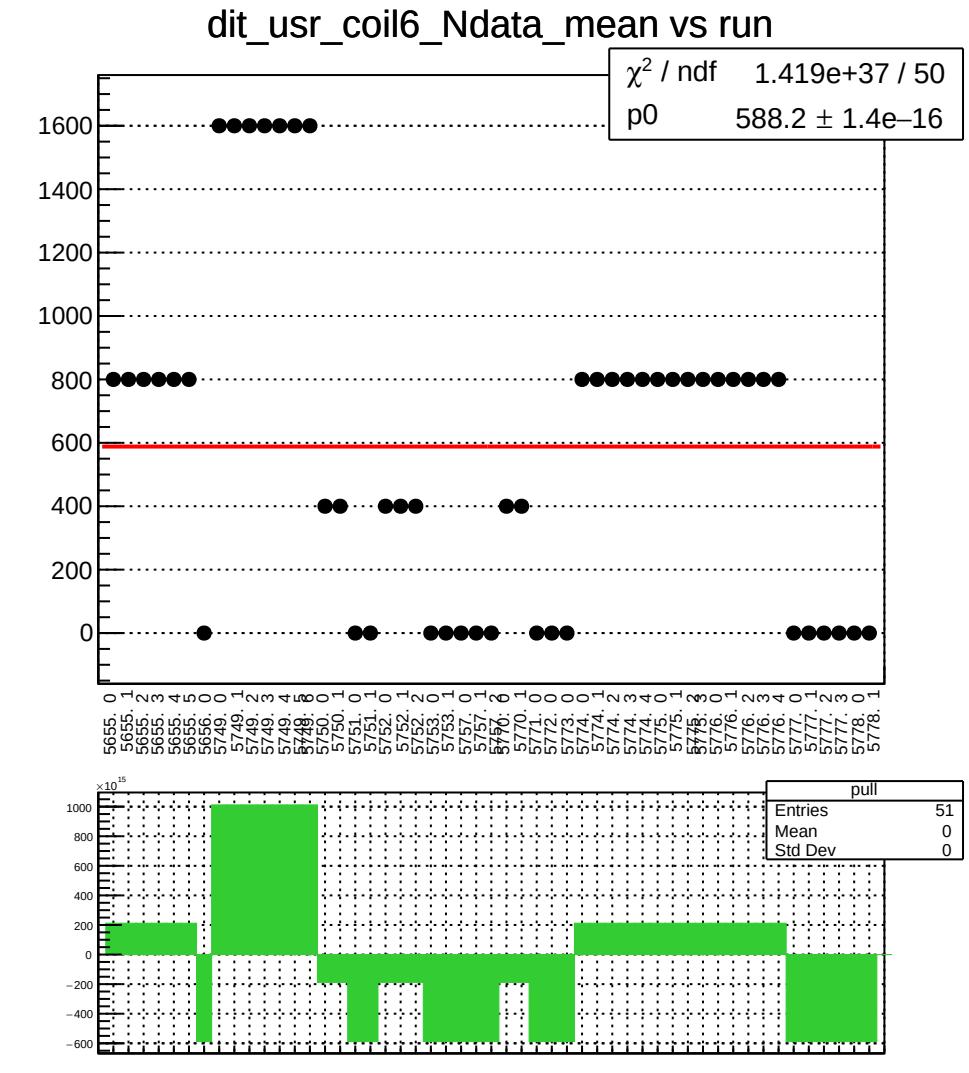

pull1D
Entries 51
Mean 0
Std Dev 0

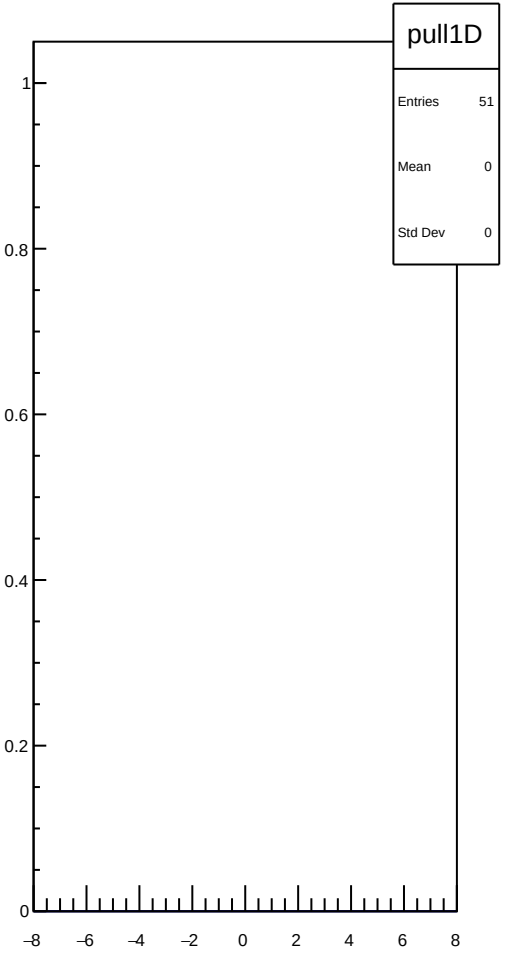

dit_usr_coil6_mean vs run
χ² / ndf 6.528e+37 / 50
p0 487.6 ± 1.4e–16
pull
Entries 51
Mean 3.414e+09
Std Dev 3.414e+09

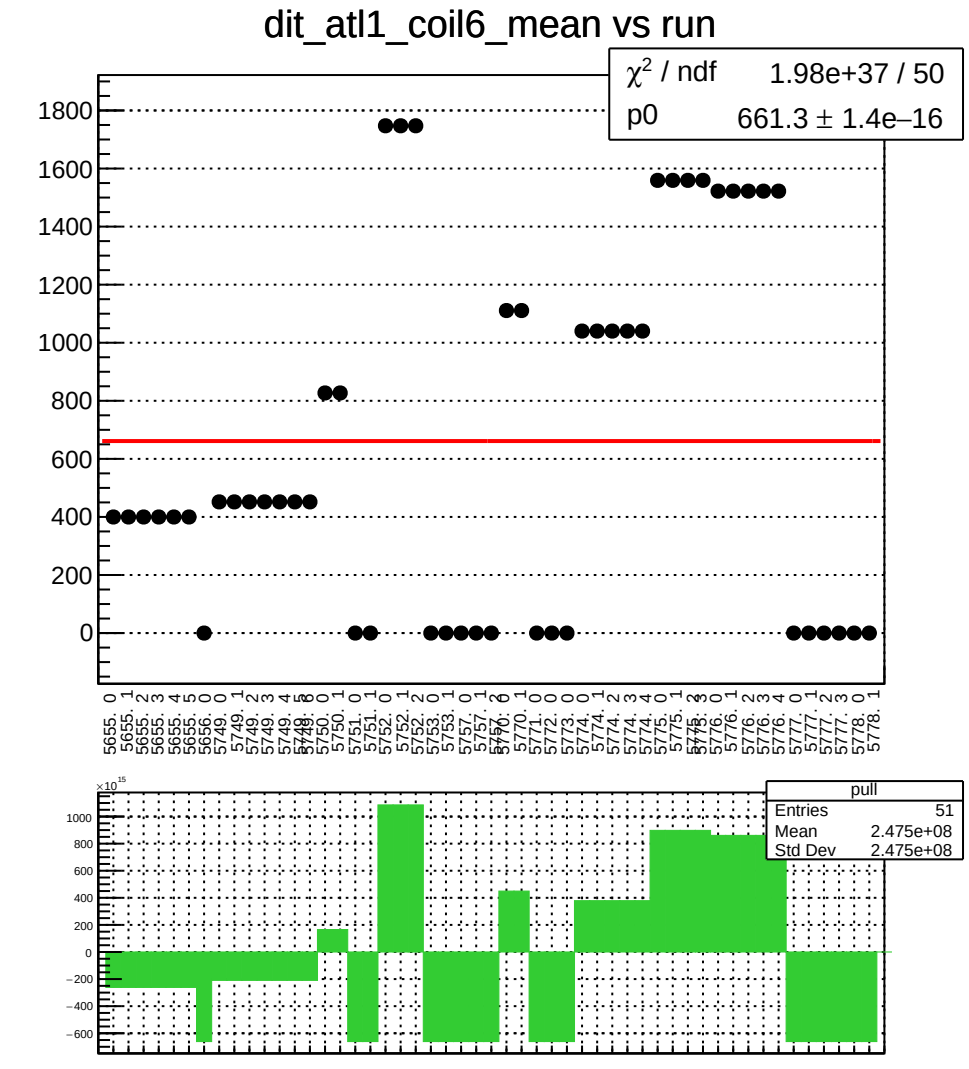

pull1D
Entries 51
Mean 0
Std Dev 0

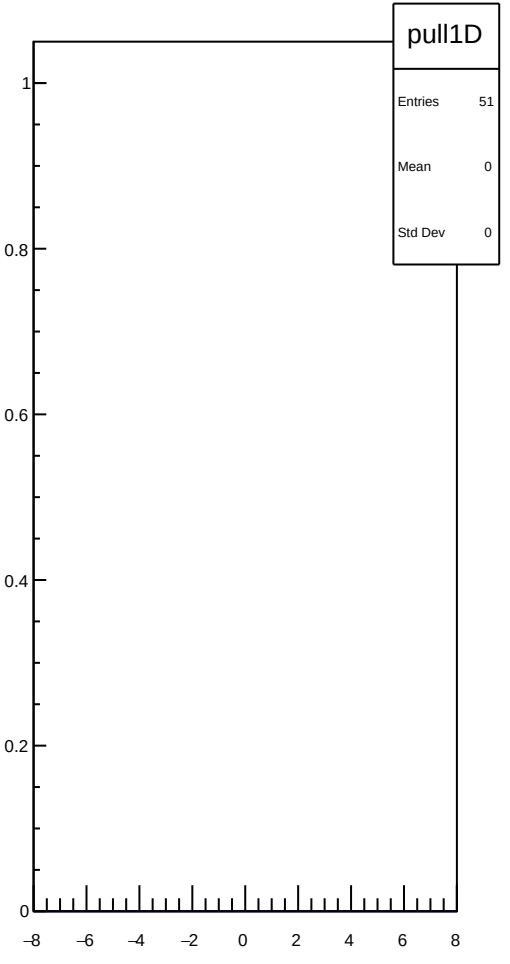

dit_usr_coil6_err_mean vs run
χ² / ndf 1.514e+36 / 50
p0 222.9 ± 1.4e–16
400
300
200
100
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 3.427e+08
Std Dev 3.427e+08

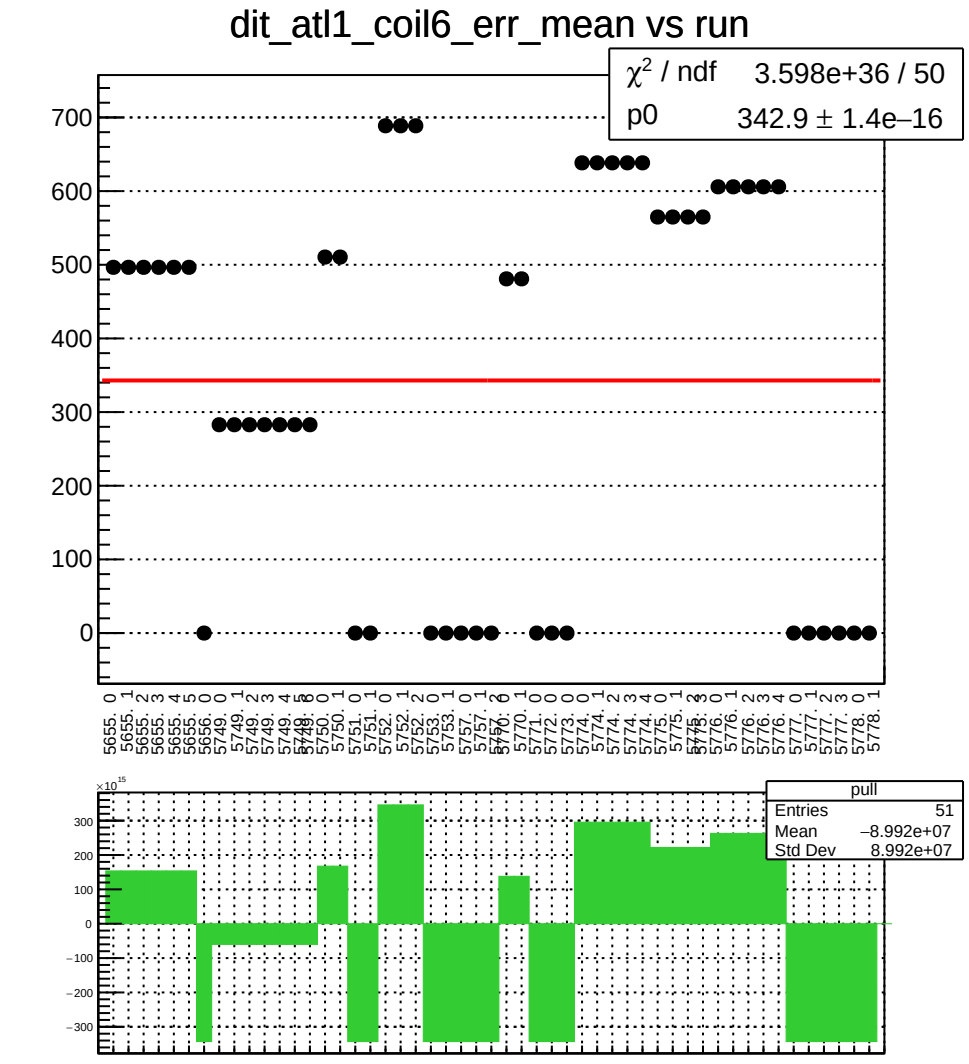

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

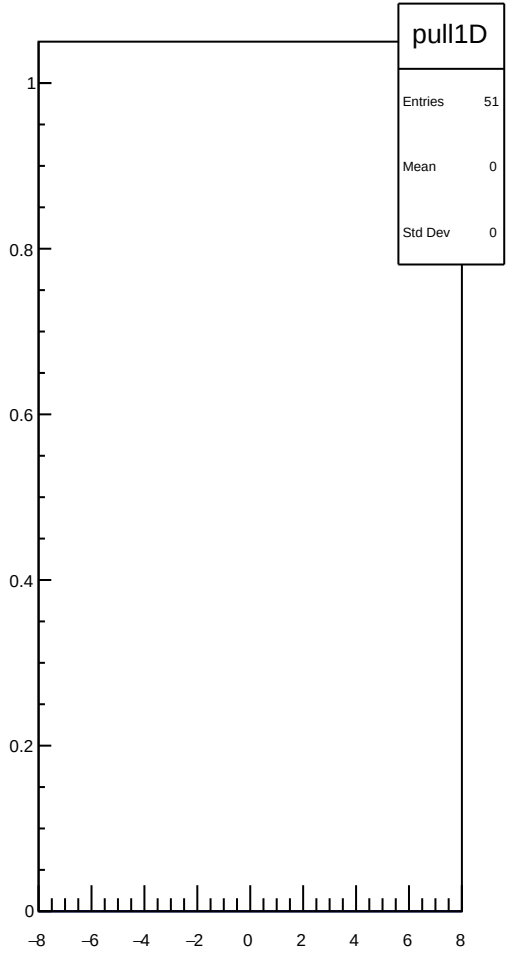

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

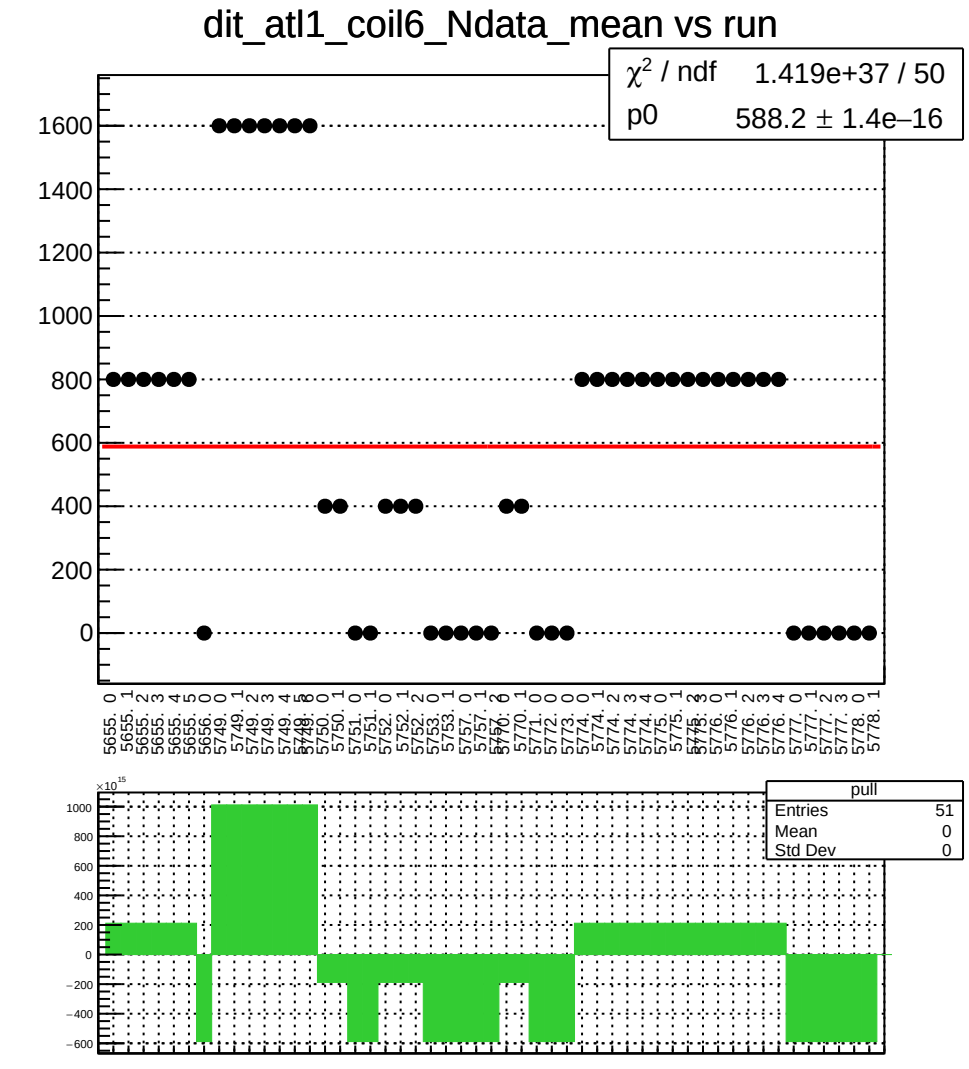

pull1D
Entries 51
Mean 0
Std Dev 0

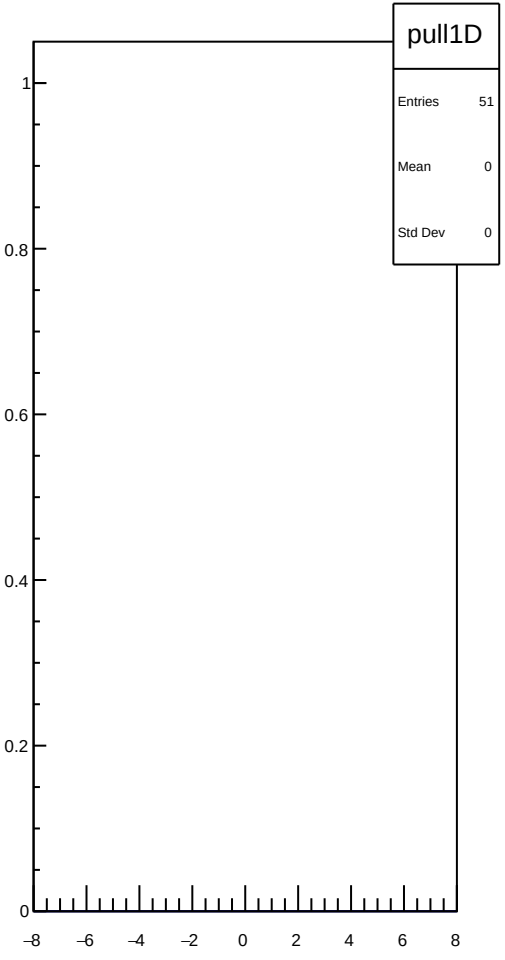

dit_atl1_coil6_mean vs run
χ² / ndf 1.98e+37 / 50
p0 661.3 ± 1.4e–16
pull
Entries 51
Mean 2.475e+08
Std Dev 2.475e+08

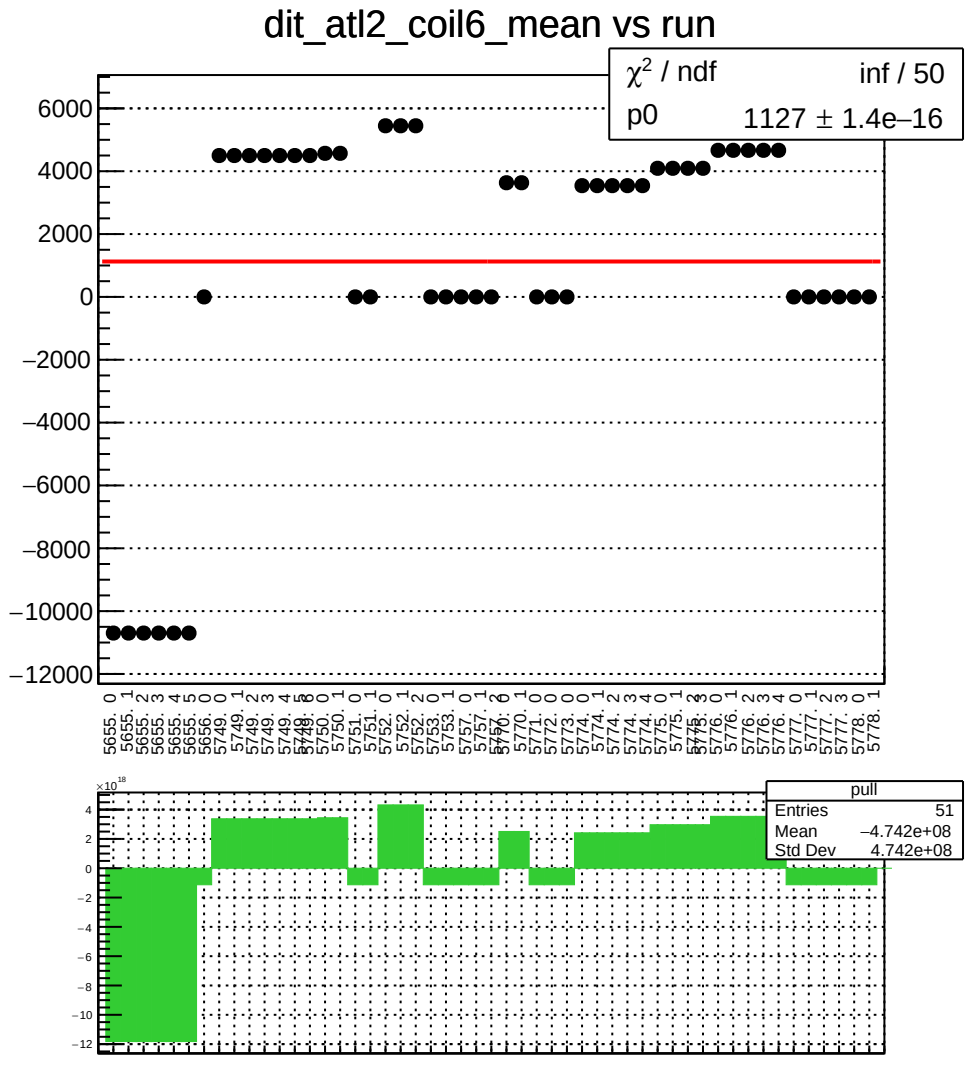

pull1D
Entries 51
Mean 0
Std Dev 0

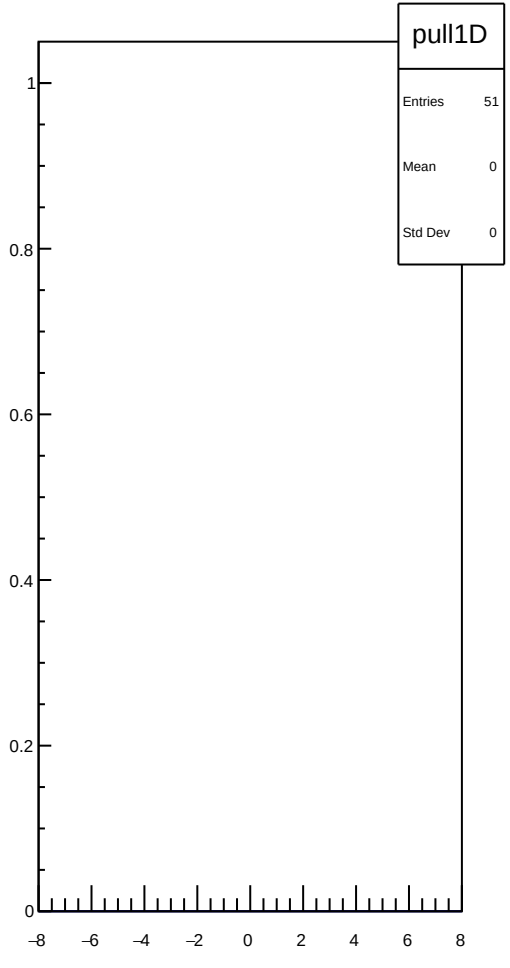

dit_atl1_coil6_err_mean vs run
χ² / ndf 3.598e+36 / 50
p0 342.9 ± 1.4e–16
pull
Entries 51
Mean –8.992e+07
Std Dev 8.992e+07

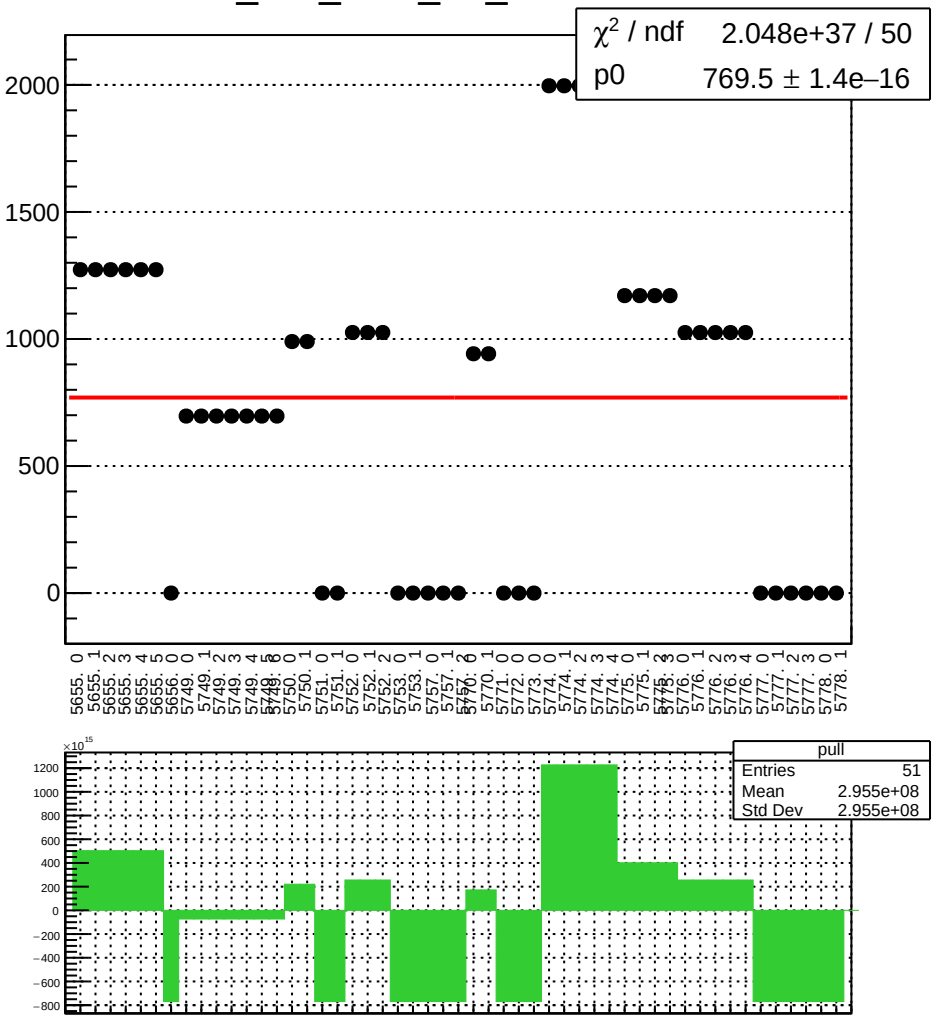

pull1D
Entries 51
Mean 0
Std Dev 0

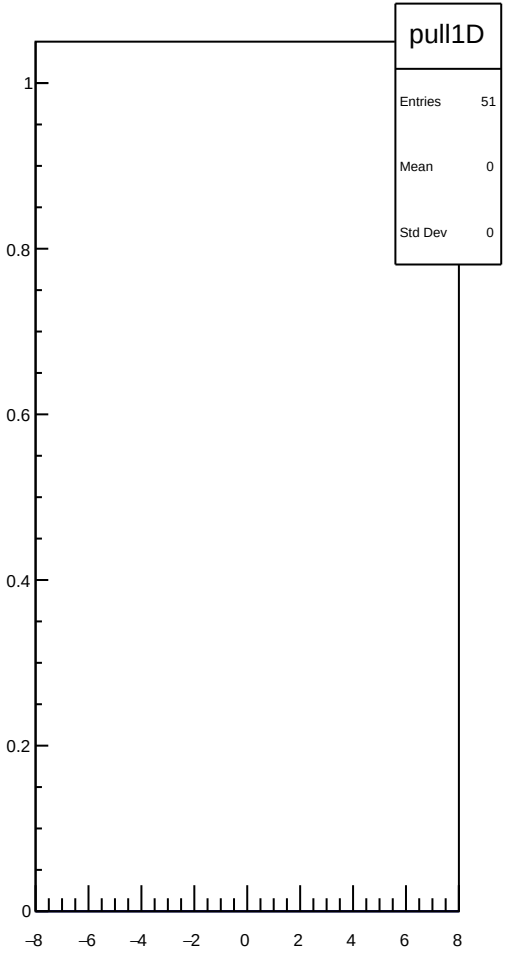

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

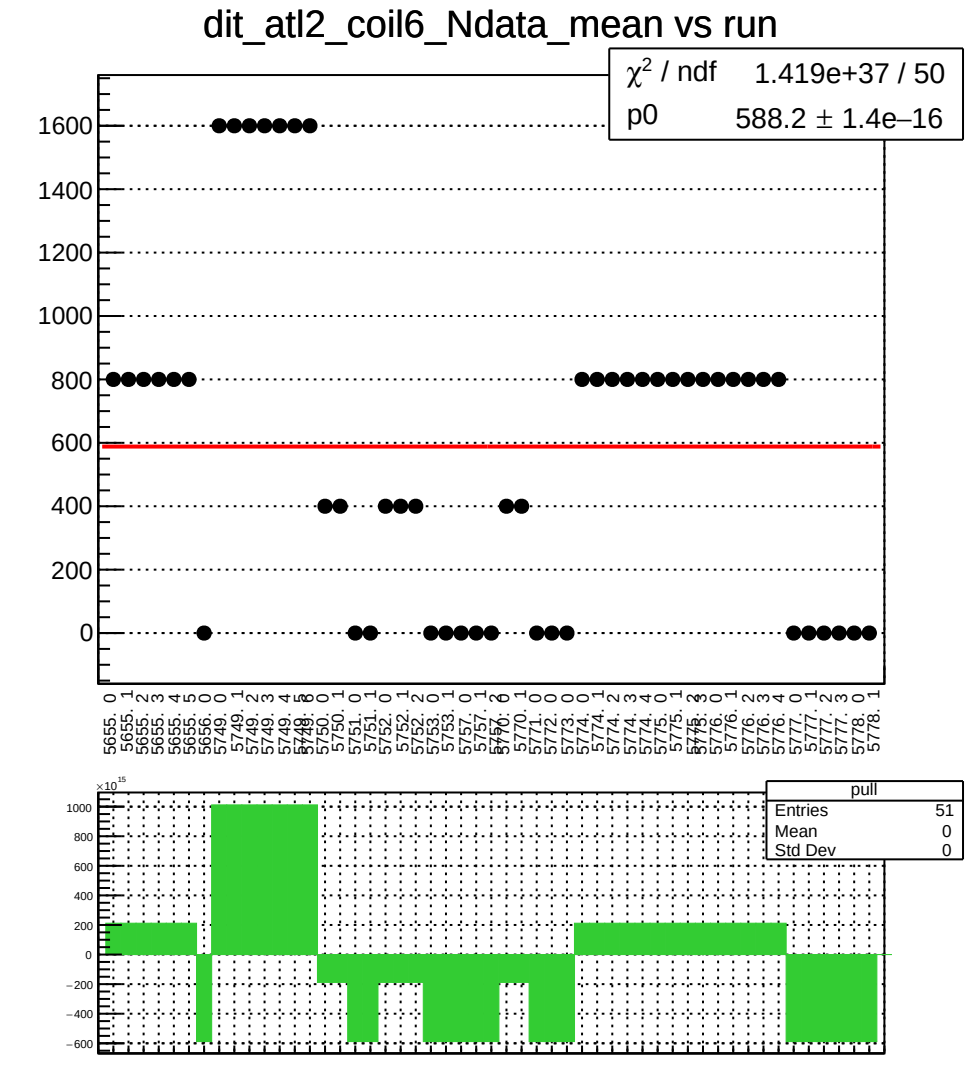

pull1D
Entries 51
Mean 0
Std Dev 0

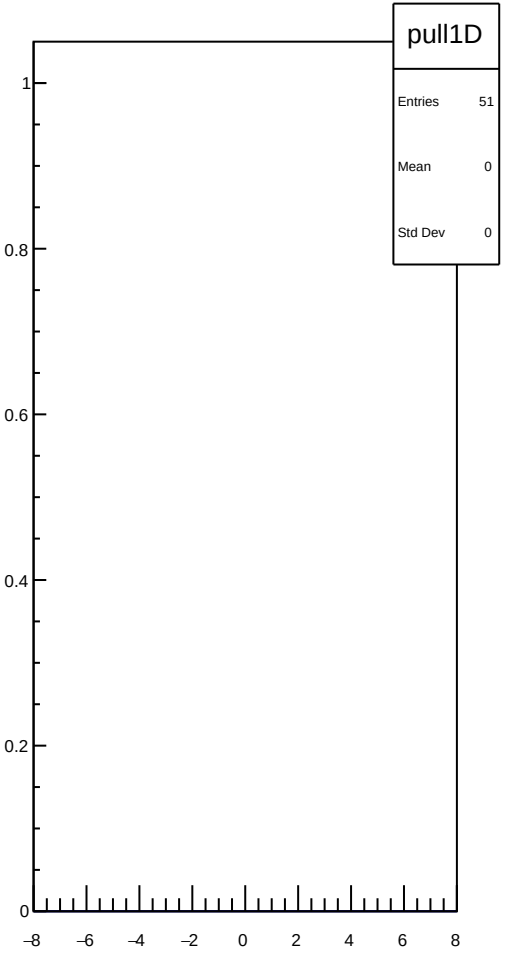

dit_atl2_coil6_mean vs run
χ² / ndf inf / 50
p0 1127 ± 1.4e–16
pull
Entries 51
Mean –4.742e+08
Std Dev 4.742e+08

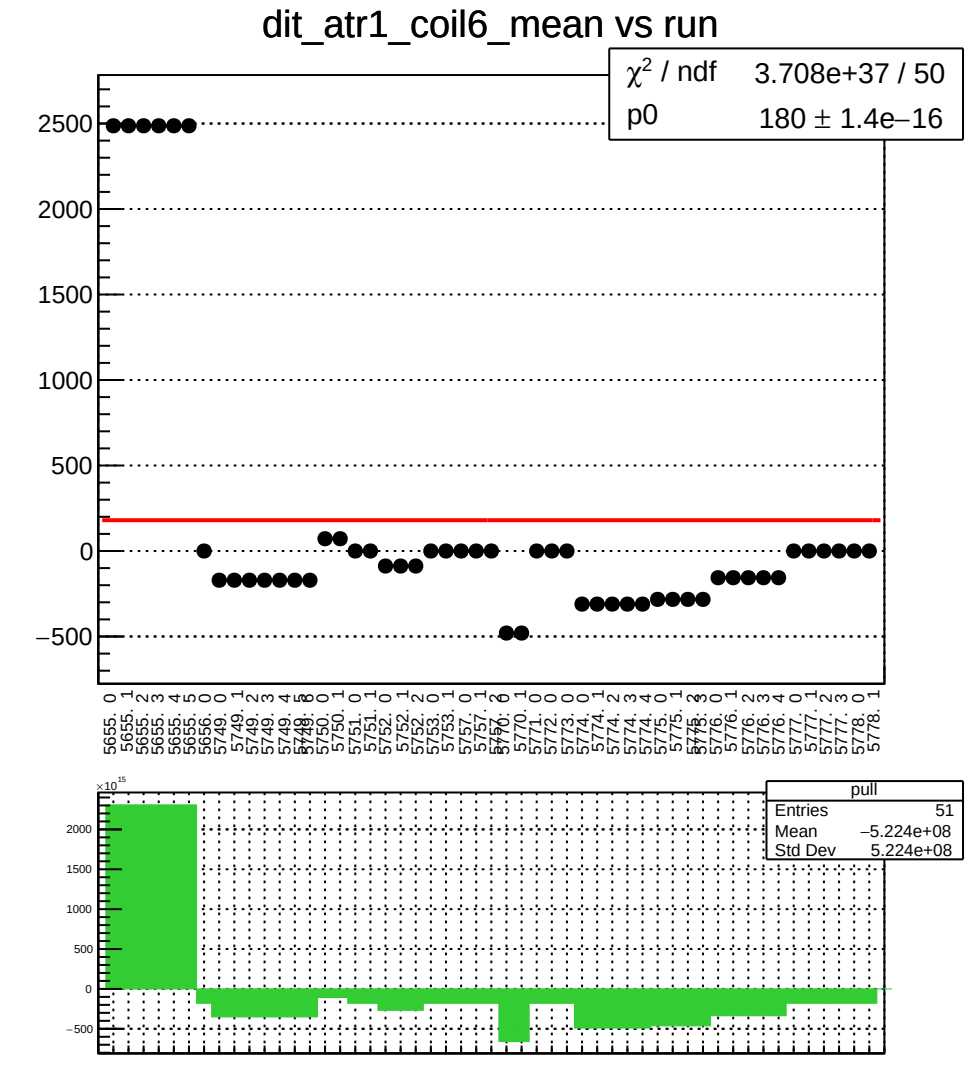

pull1D
Entries 51
Mean 0
Std Dev 0

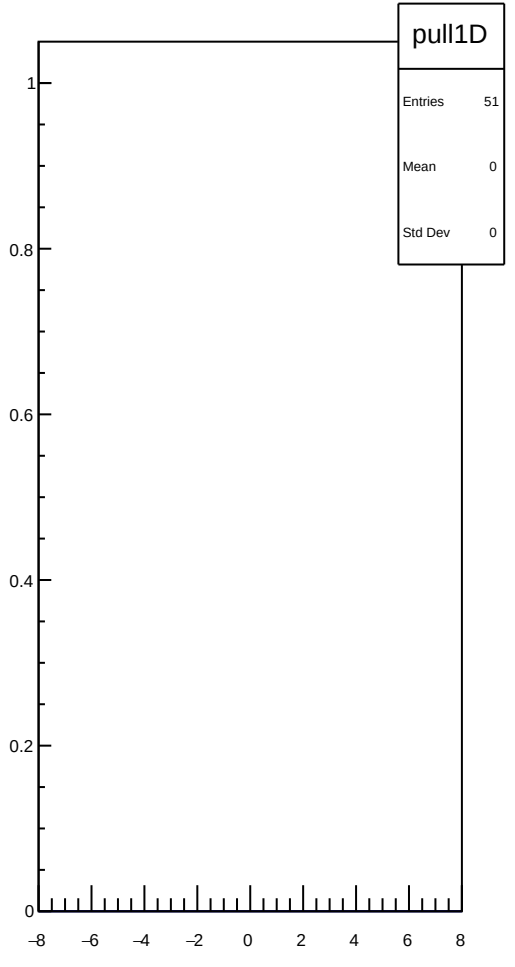

dit_atl2_coil6_err_mean vs run
χ² / ndf 2.048e+37 / 50
p0 769.5 ± 1.4e–16
pull
Entries 51
Mean 2.955e+08
Std Dev 2.955e+08

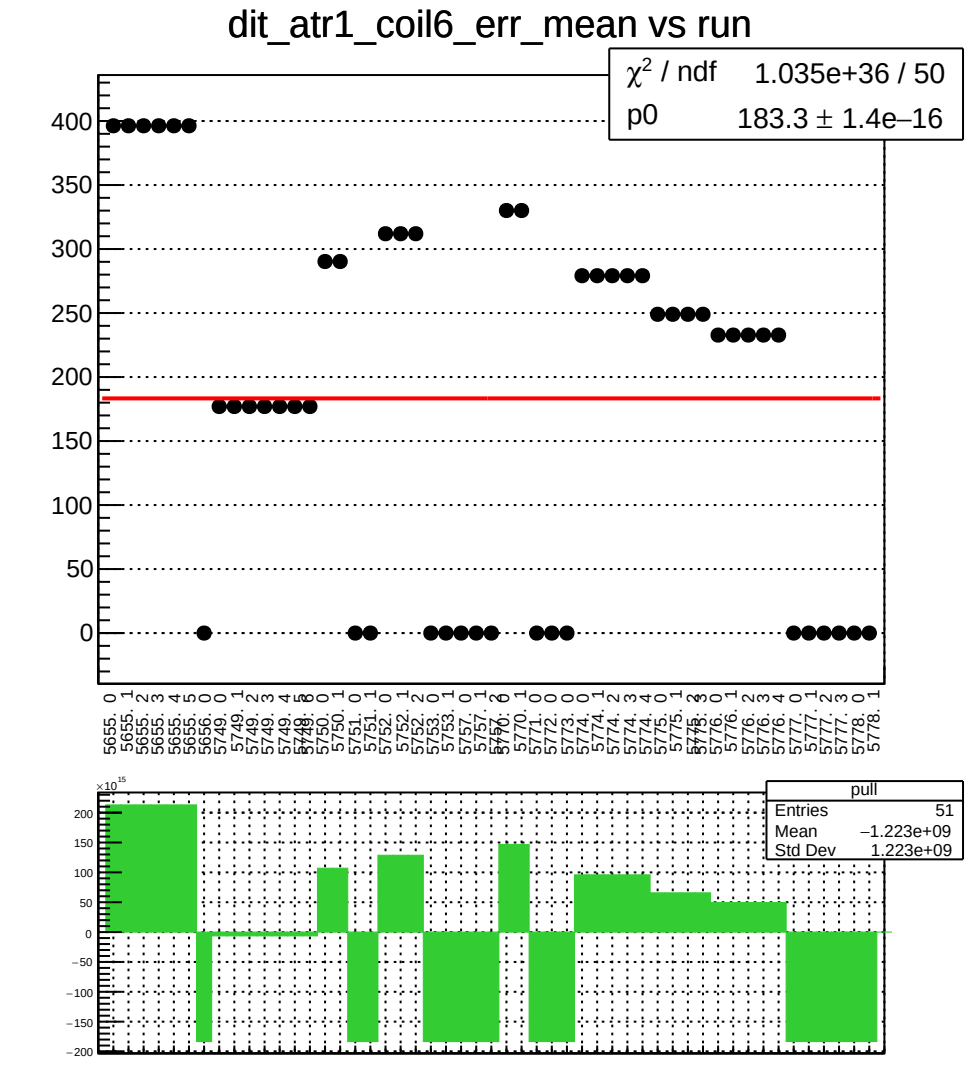

pull1D
Entries 51
Mean 0
Std Dev 0

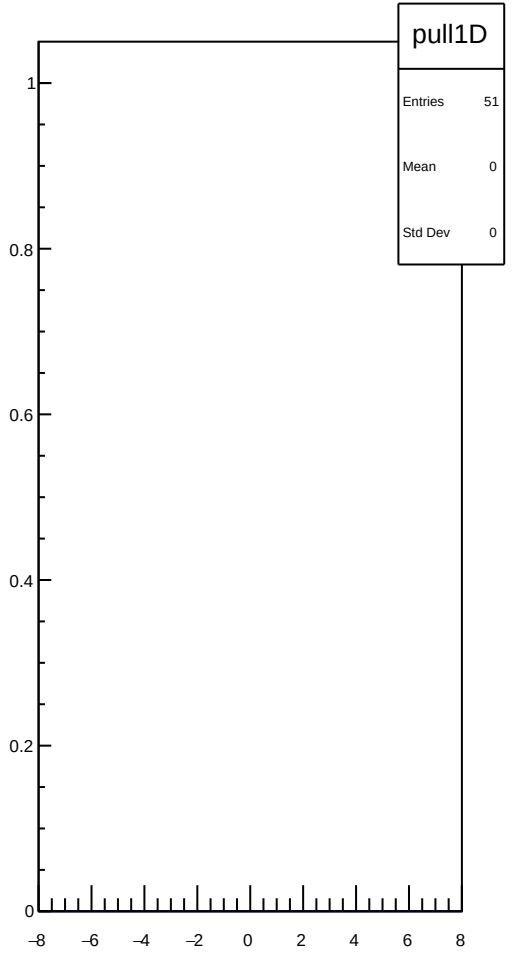

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

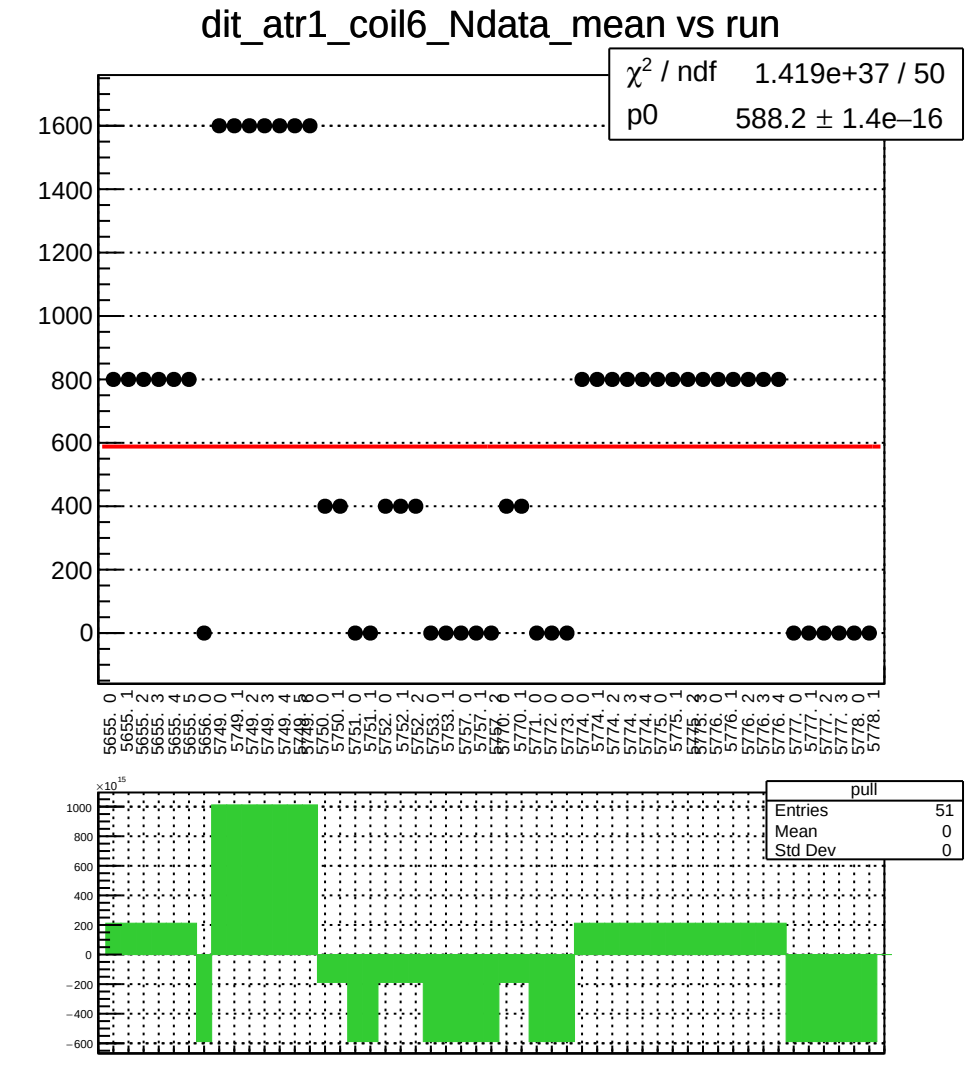

pull1D
Entries 51
Mean 0
Std Dev 0

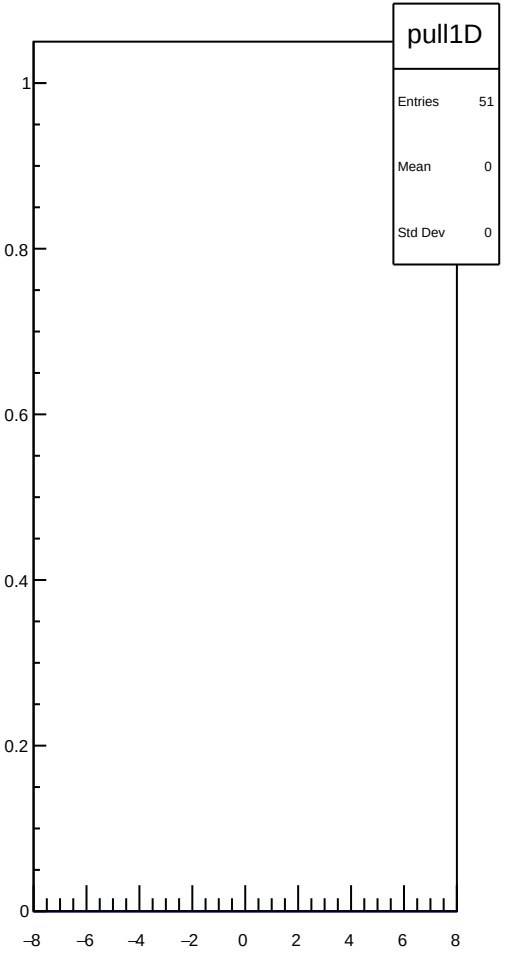

dit_atr1_coil6_mean vs run
χ² / ndf 3.708e+37 / 50
p0 180 ± 1.4e−16
pull
Entries 51
Mean −5.224e+08
Std Dev 5.224e+08

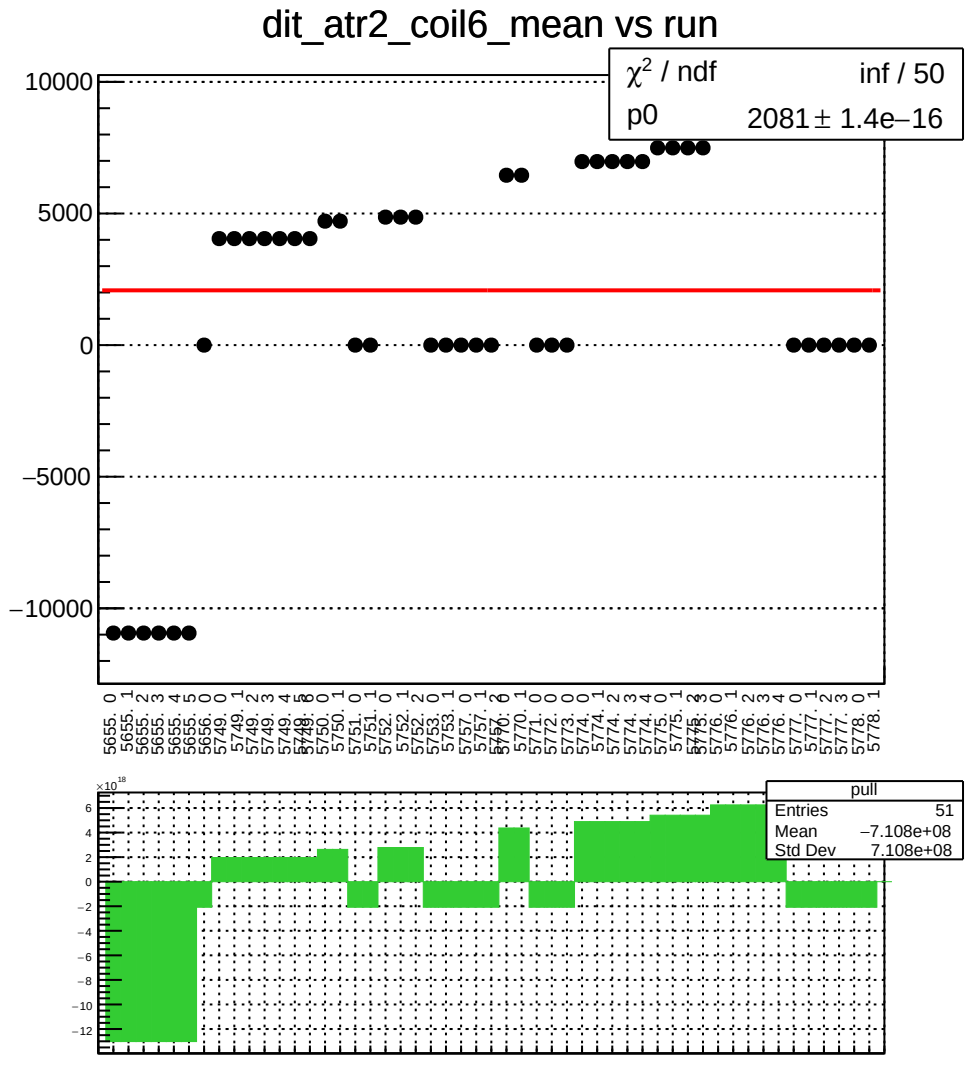

pull1D
Entries 51
Mean 0
Std Dev 0

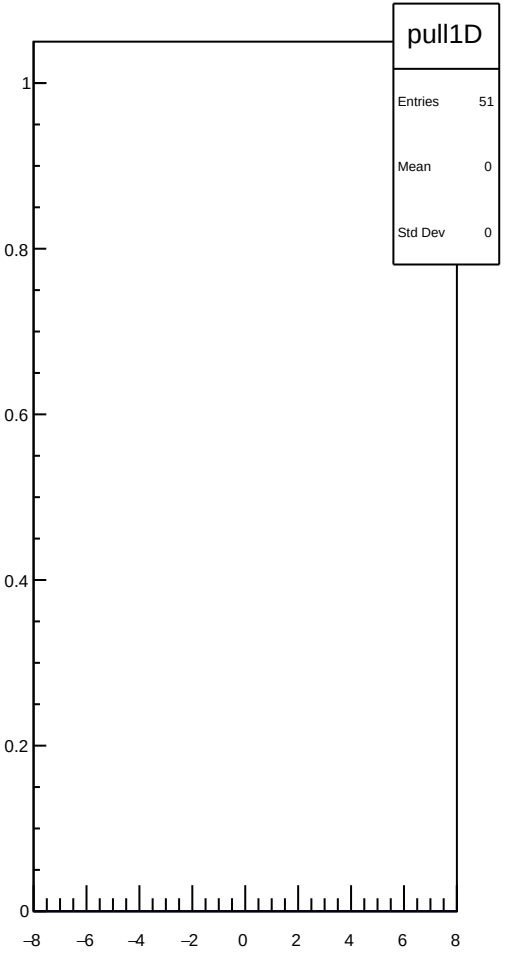

dit_atr1_coil6_err_mean vs run
χ² / ndf 1.035e+36 / 50
p0 183.3 ± 1.4e–16
pull
Entries 51
Mean –1.223e+09
Std Dev 1.223e+09

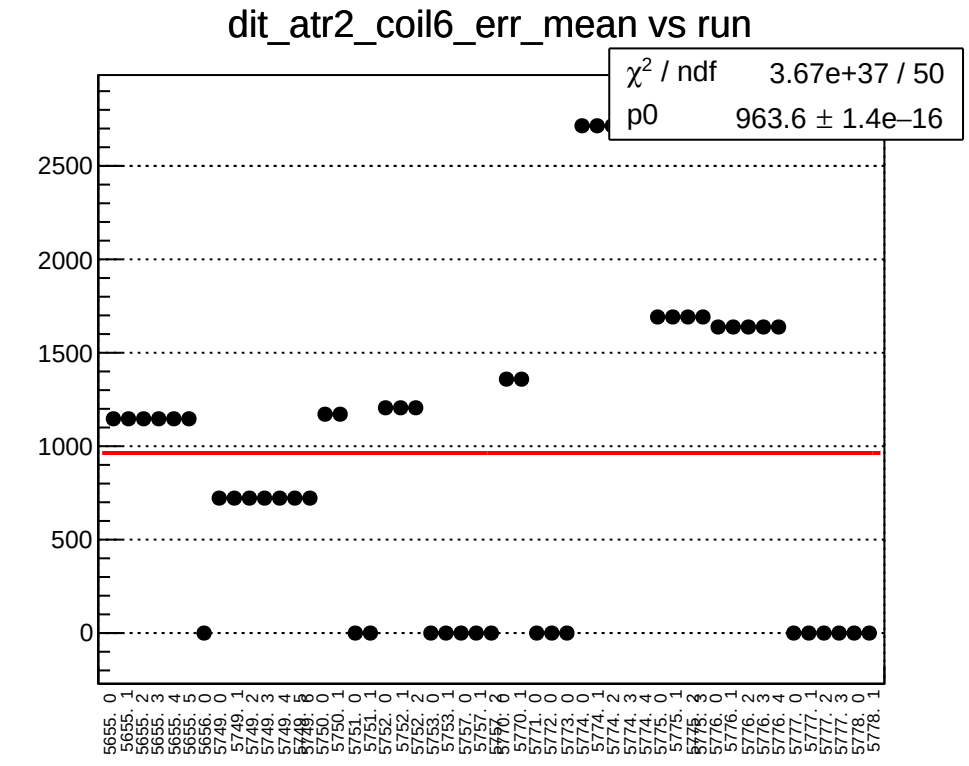

pull1D
Entries 51
Mean 0
Std Dev 0

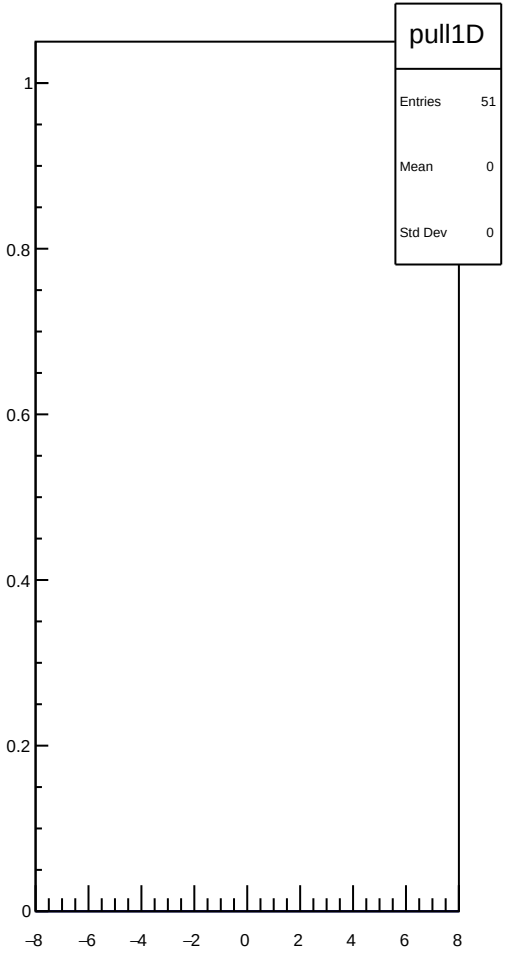

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

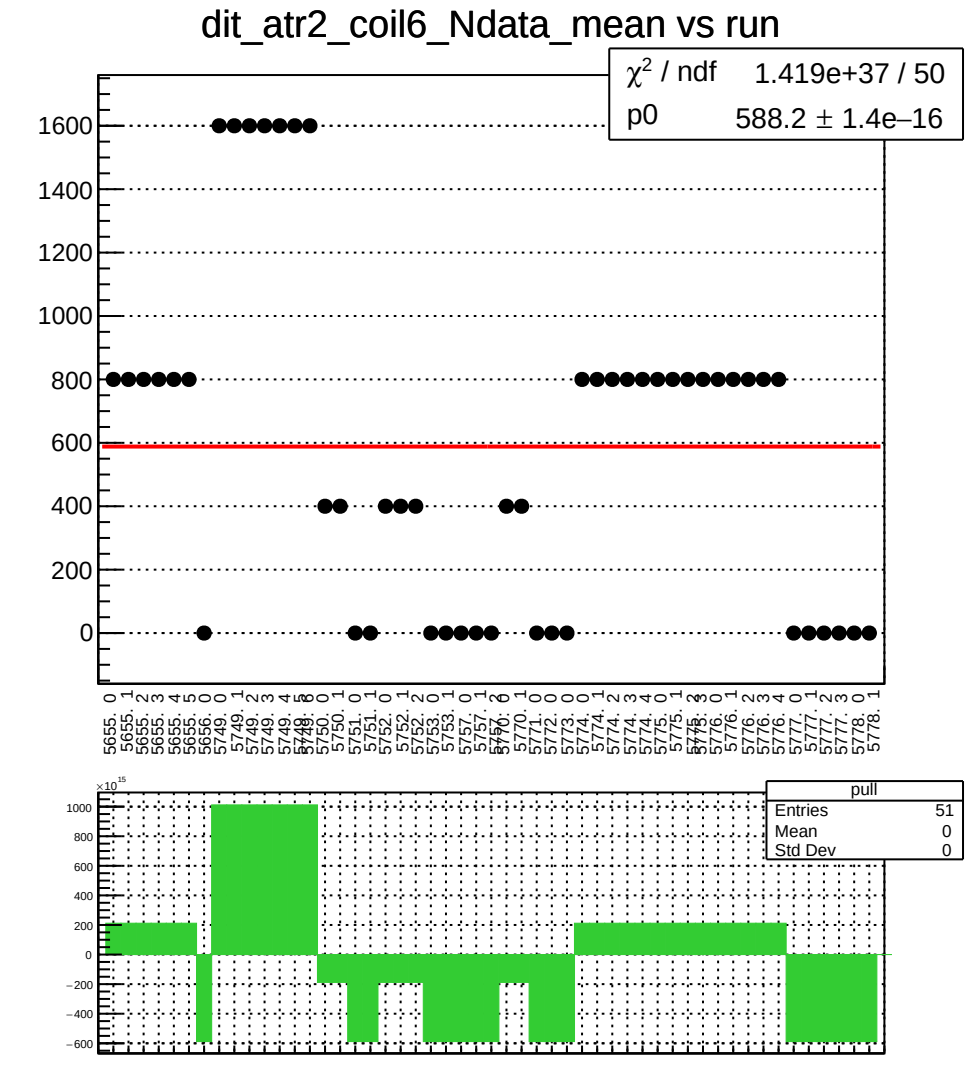

pull1D
Entries 51
Mean 0
Std Dev 0

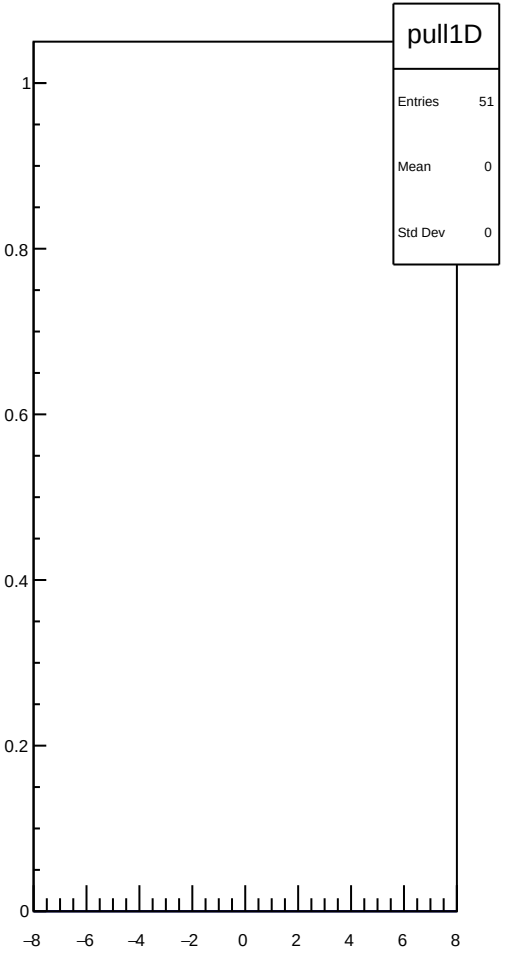

dit_atr2_coil6_mean vs run
χ² / ndf inf / 50
p0 2081 ± 1.4e−16
10000
5000
0
−5000
−10000
pull
Entries 51
Mean −7.108e+08
Std Dev 7.108e+08

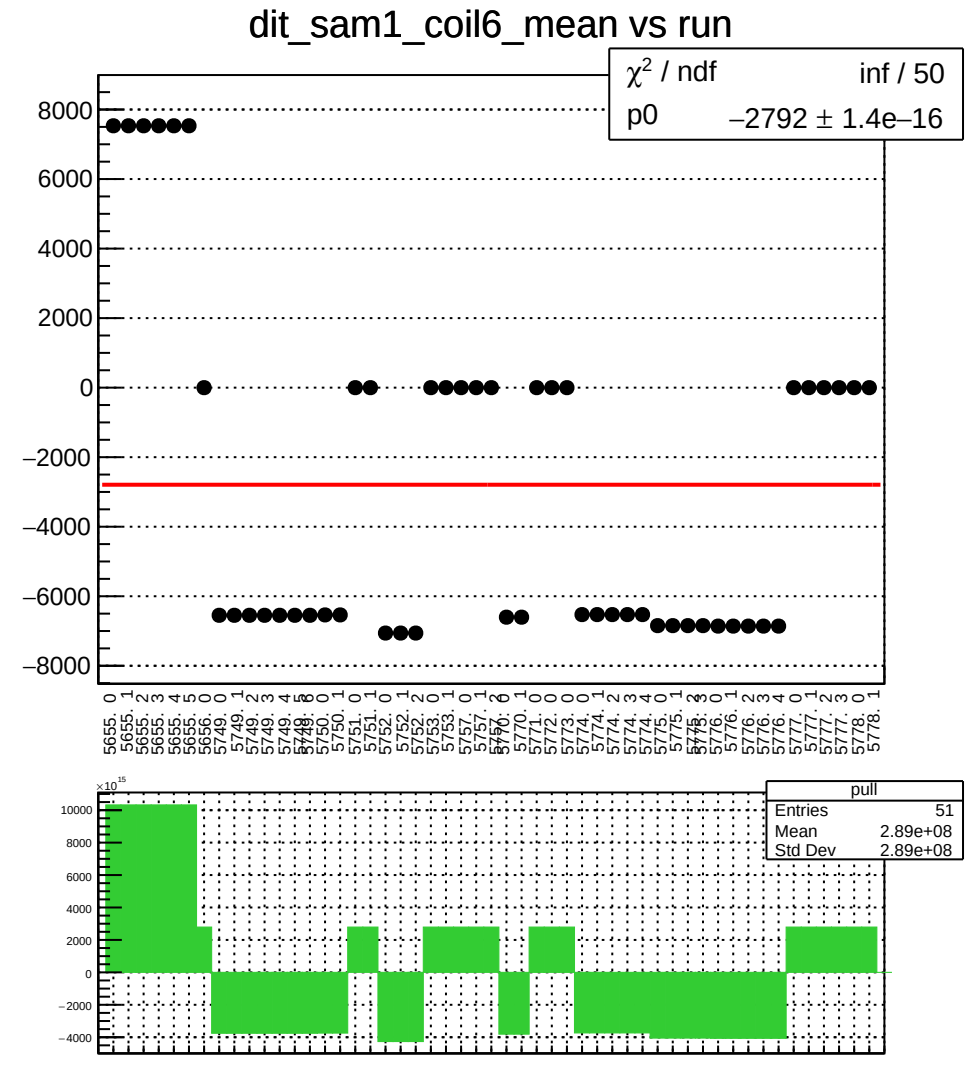

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

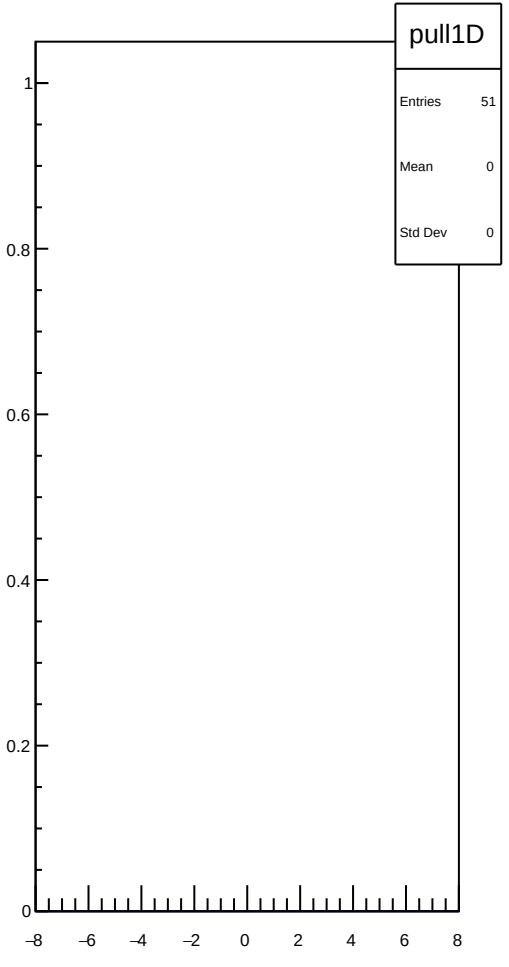

dit_atr2_coil6_err_mean vs run
χ² / ndf 3.67e+37 / 50
p0 963.6 ± 1.4e–16
2500
2000
1500
1000
500
0
pull
Entries 51
Mean –2.311e+08
Std Dev 2.311e+08
×10¹⁵
1500
1000
500
0
−500
−1000

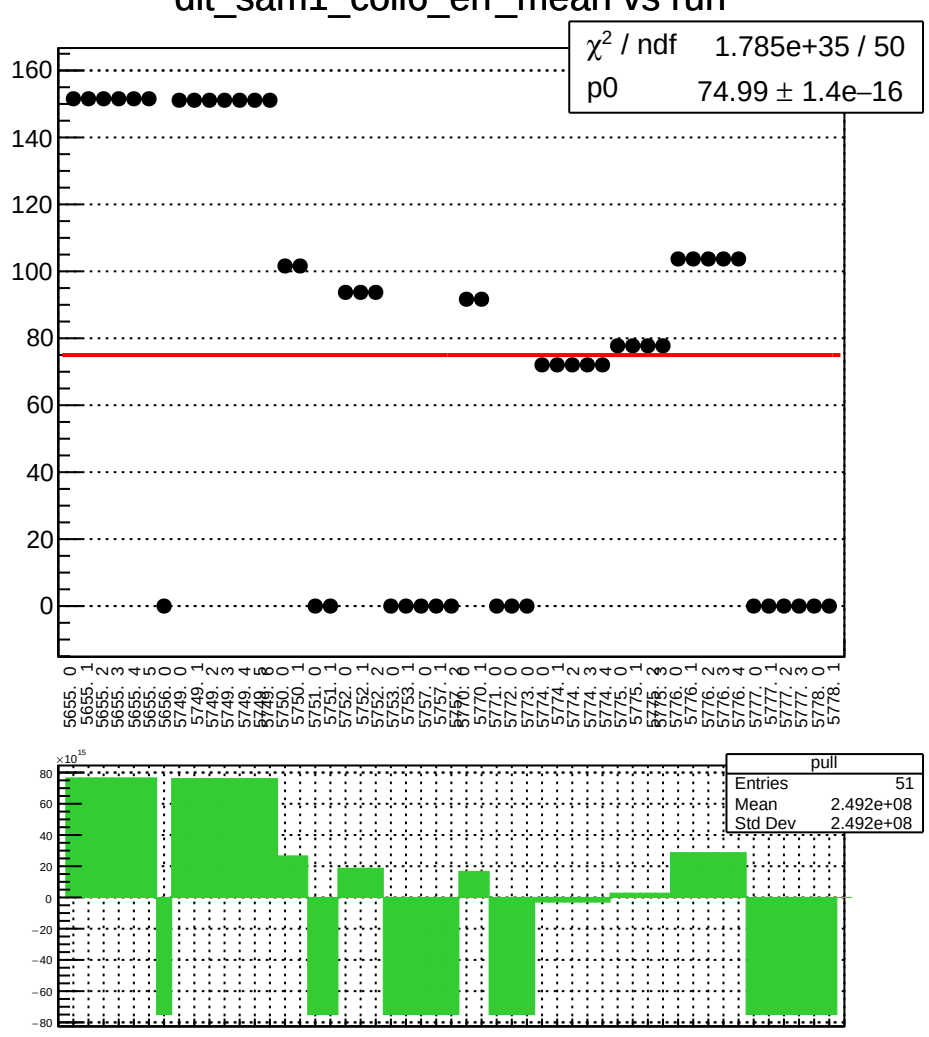

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

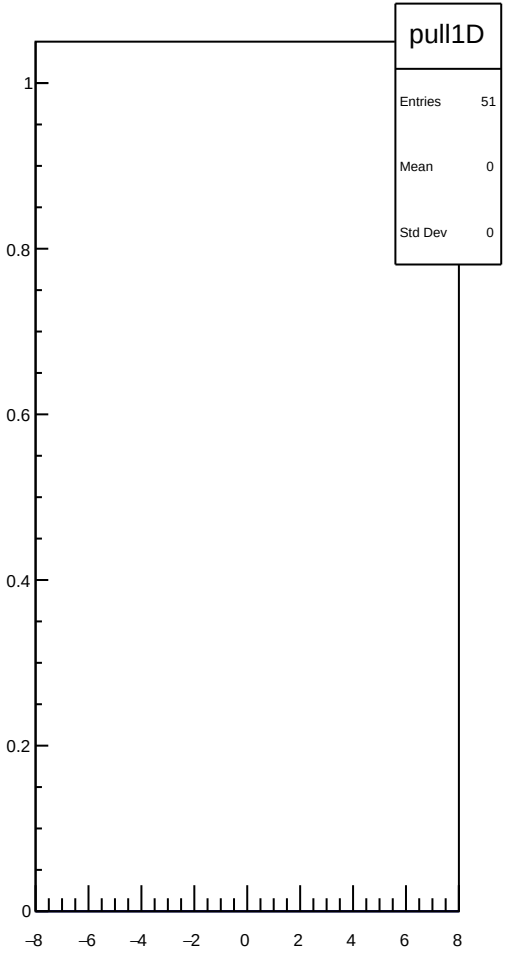

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

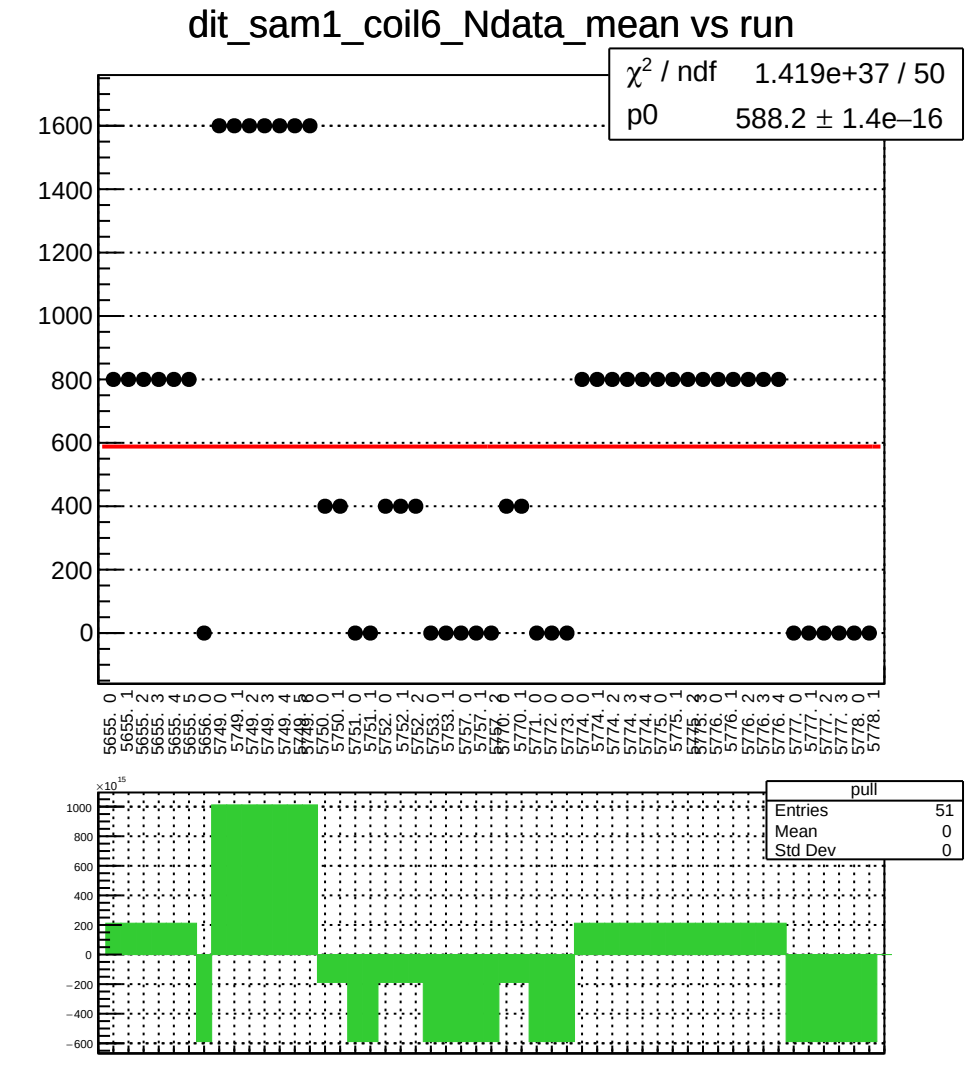

pull1D
Entries 51
Mean 0
Std Dev 0

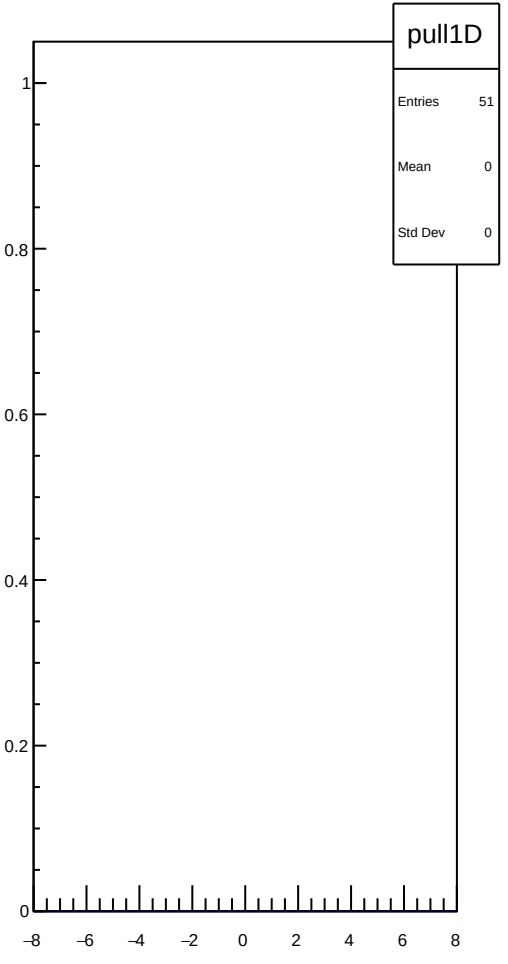

dit_sam1_coil6_mean vs run
χ² / ndf inf / 50
p0 −2792 ± 1.4e−16
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 51
Mean 2.89e+08
Std Dev 2.89e+08
×10¹⁵
10000
8000
6000
4000
2000
0
−2000
−4000

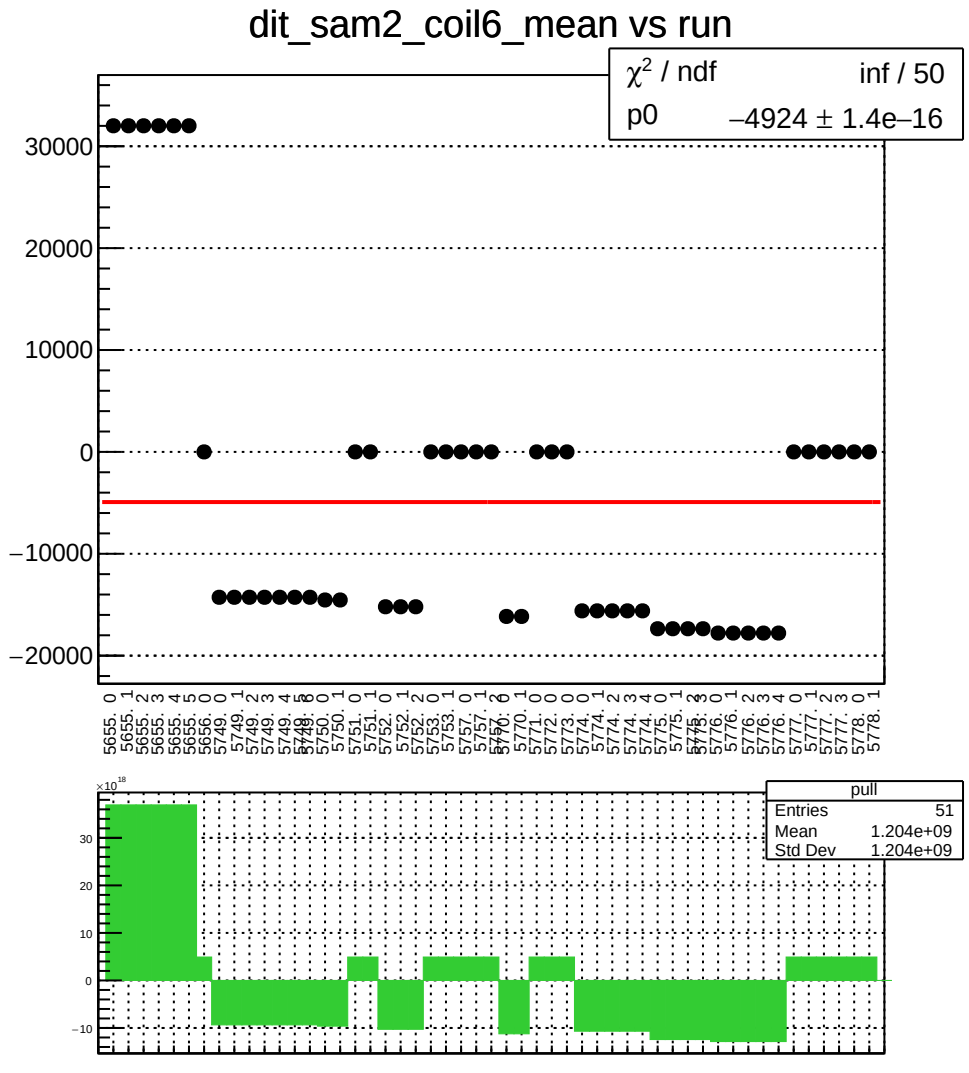

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

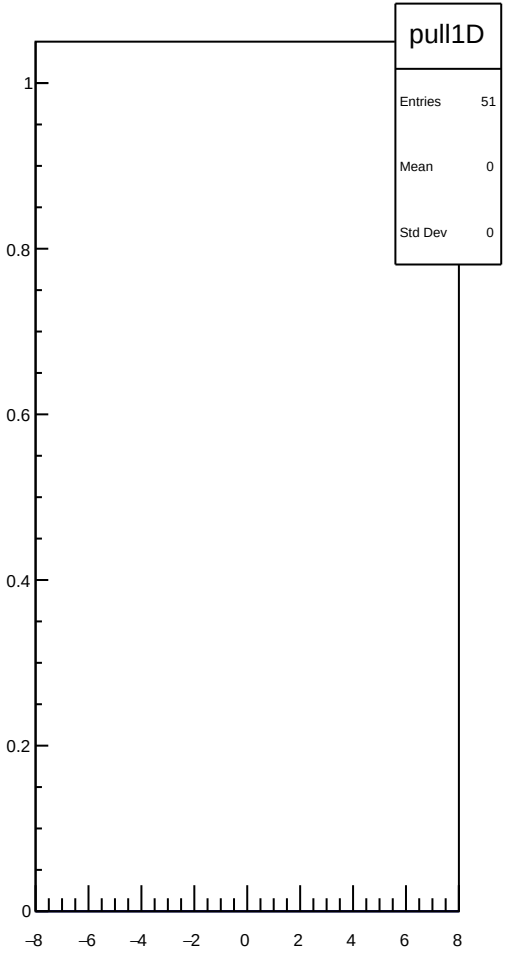

dit_sam1_coil6_err_mean vs run
χ² / ndf 1.785e+35 / 50
p0 74.99 ± 1.4e–16
pull
Entries 51
Mean 2.492e+08
Std Dev 2.492e+08

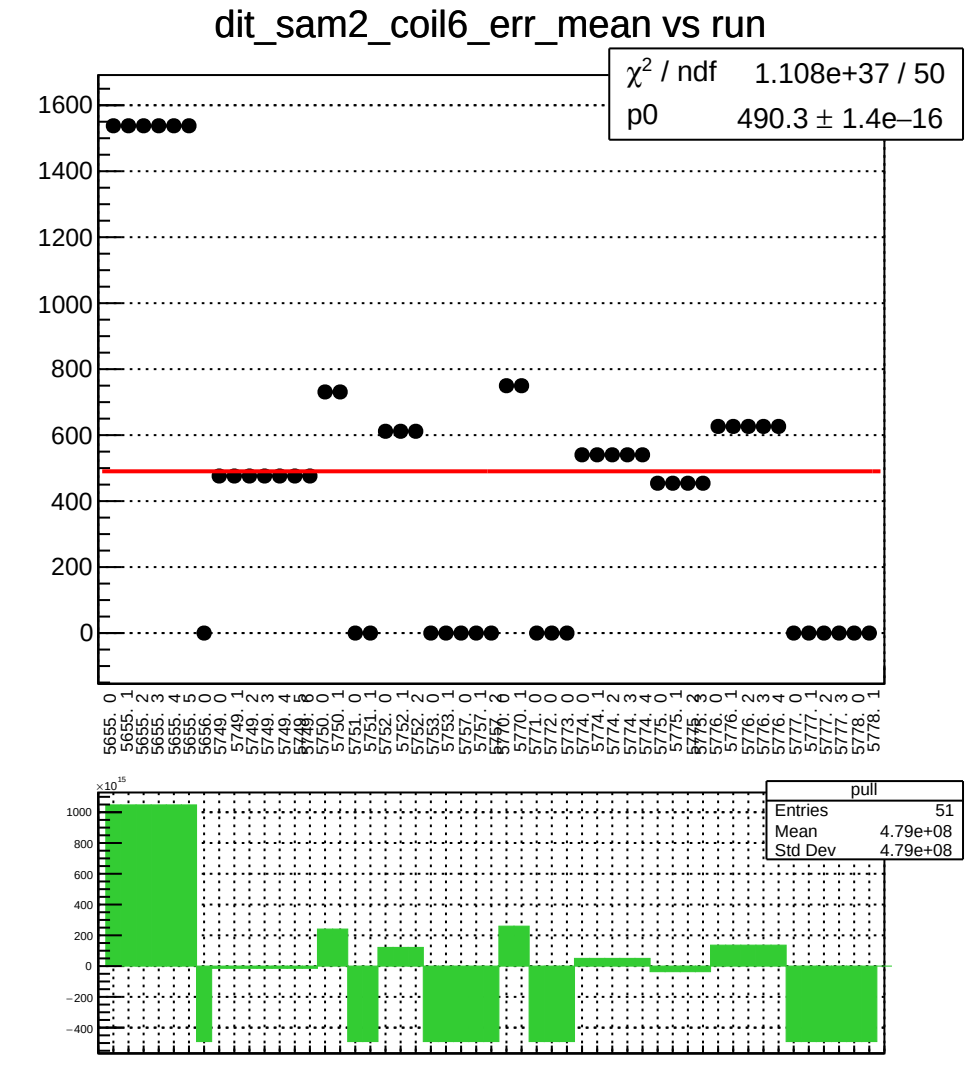

pull1D
Entries 51
Mean 0
Std Dev 0

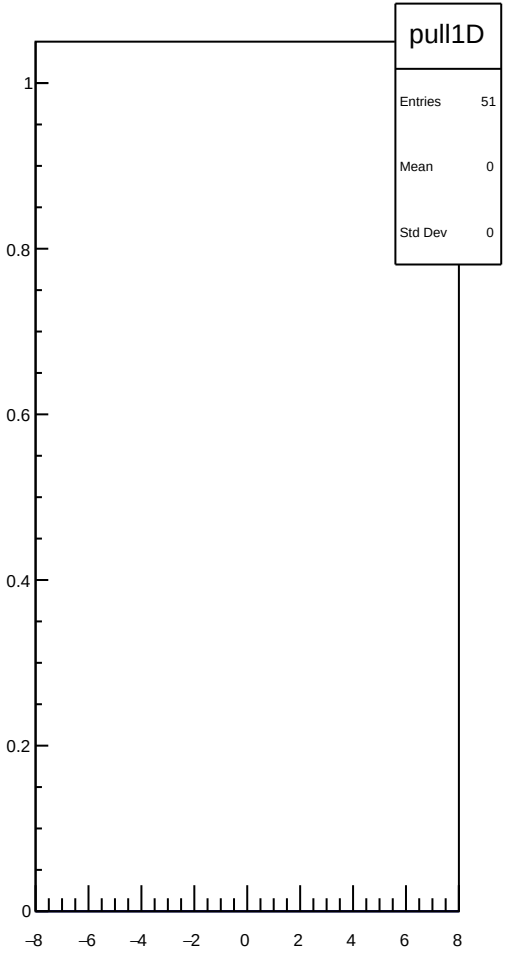

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

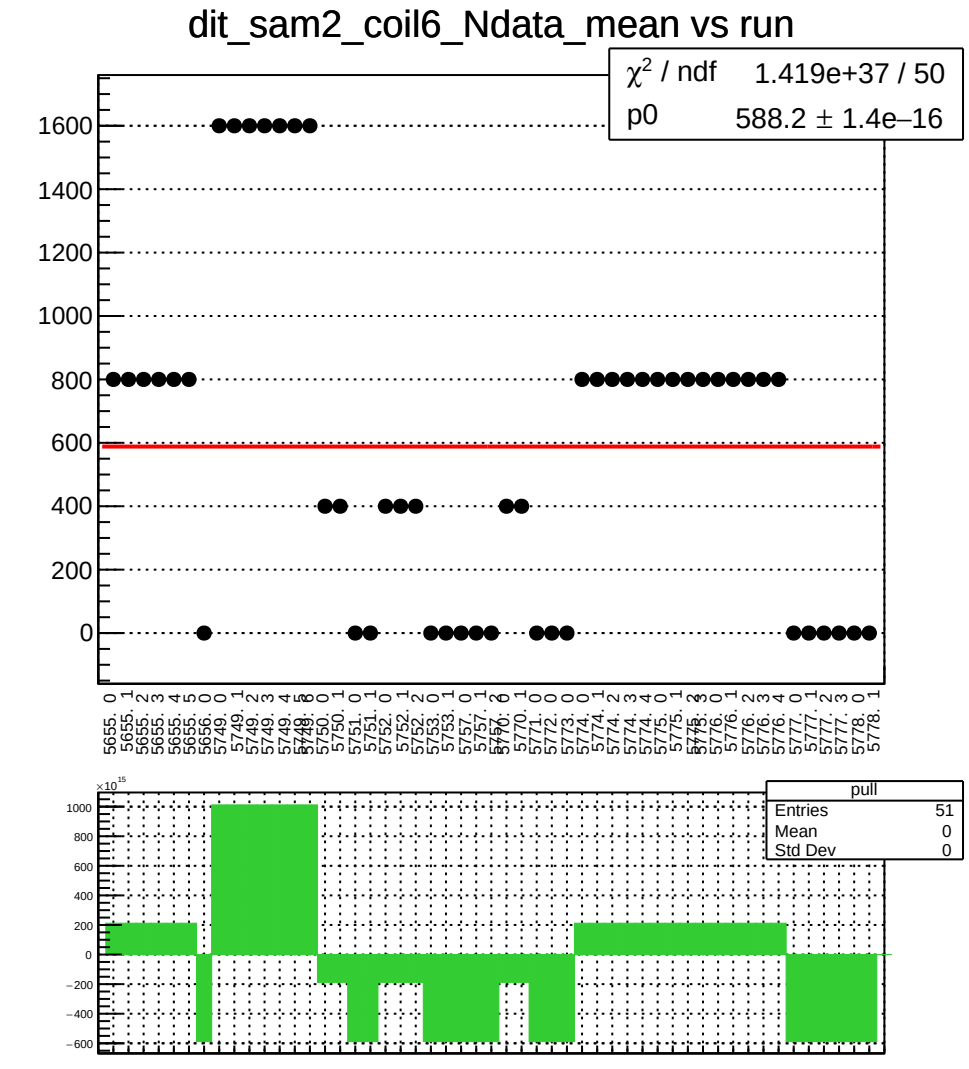

pull1D
Entries 51
Mean 0
Std Dev 0

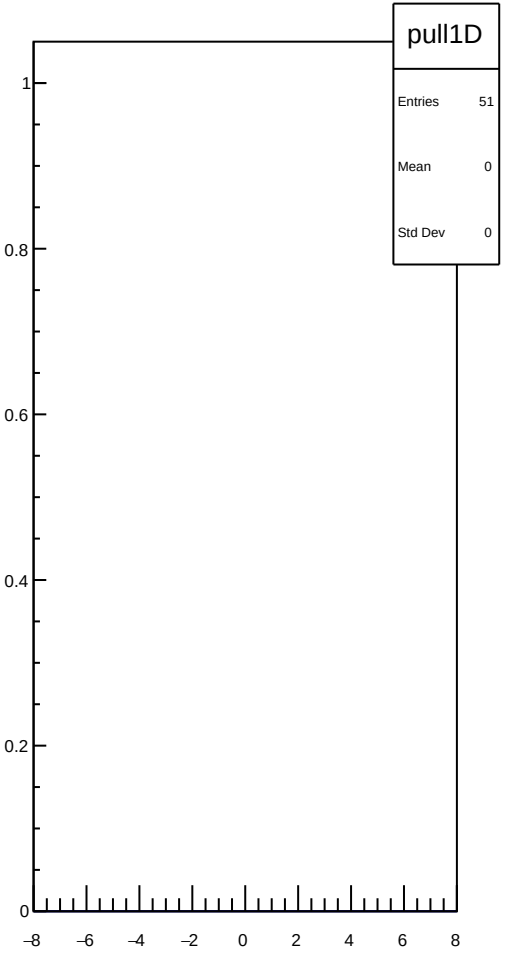

dit_sam2_coil6_mean vs run
χ² / ndf inf / 50
p0 −4924 ± 1.4e−16
30000
20000
10000
0
−10000
−20000
pull
Entries 51
Mean 1.204e+09
Std Dev 1.204e+09
×10¹⁸
30
20
10
0
−10

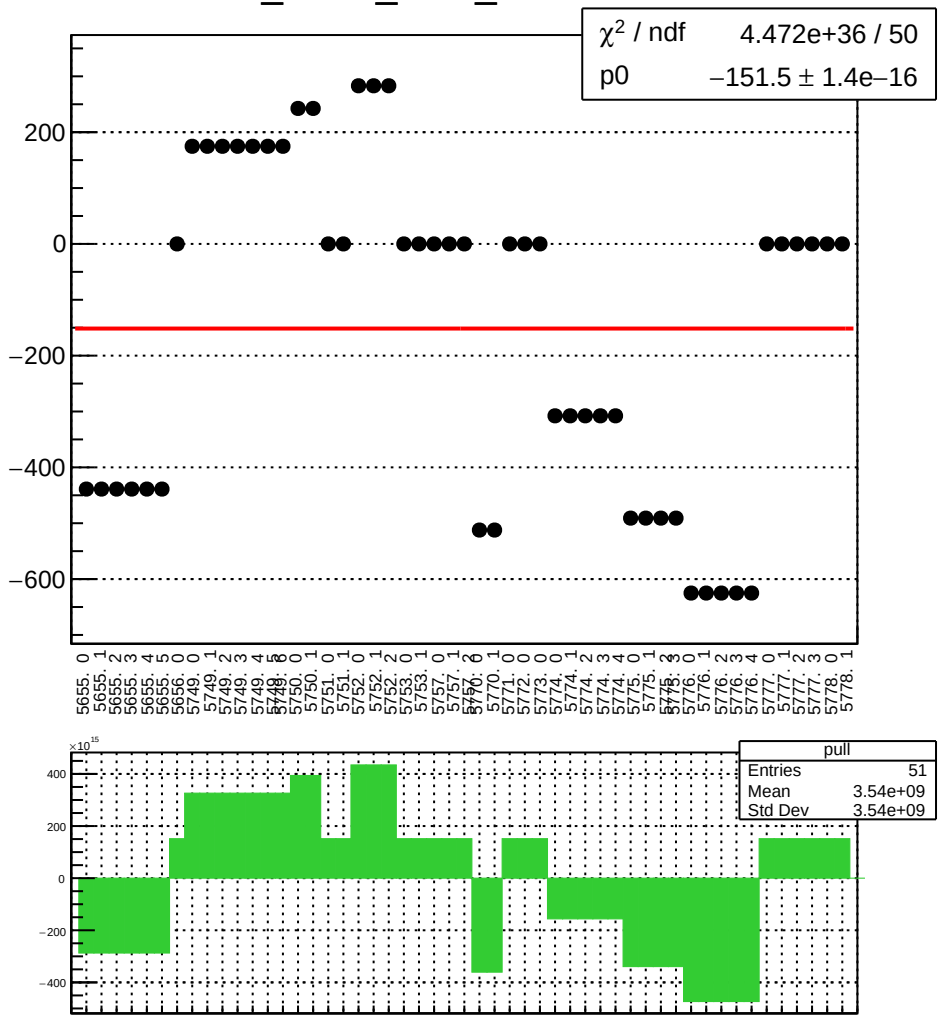

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

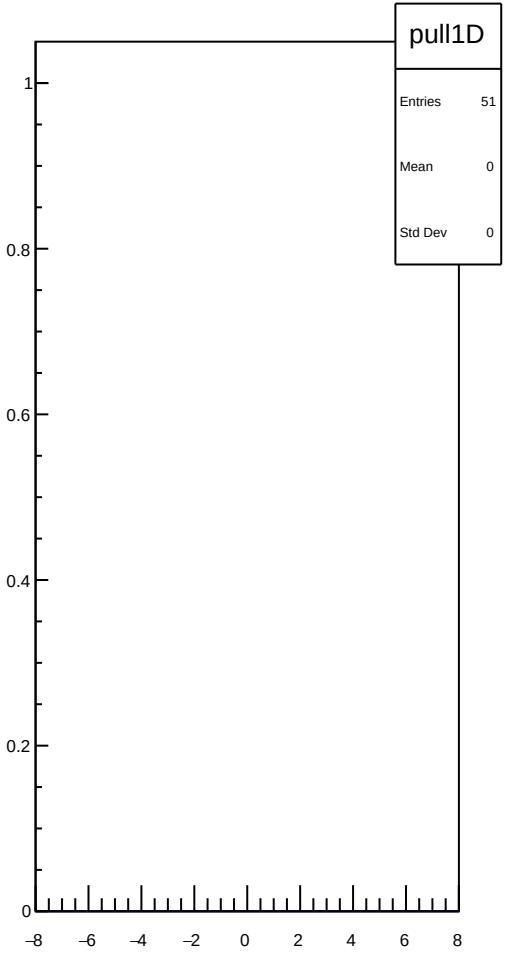

dit_sam2_coil6_err_mean vs run
χ² / ndf 1.108e+37 / 50
p0 490.3 ± 1.4e–16
pull
Entries 51
Mean 4.79e+08
Std Dev 4.79e+08

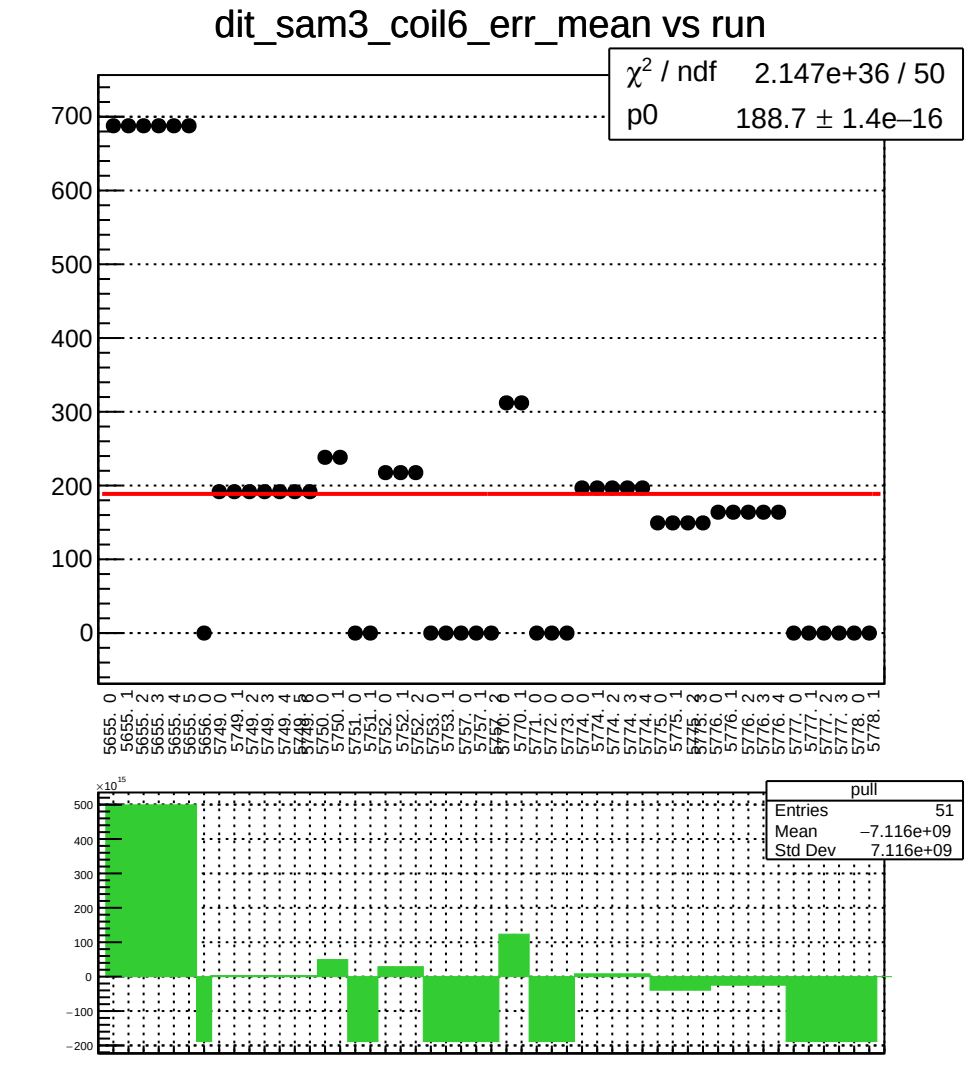

pull1D
Entries 51
Mean 0
Std Dev 0

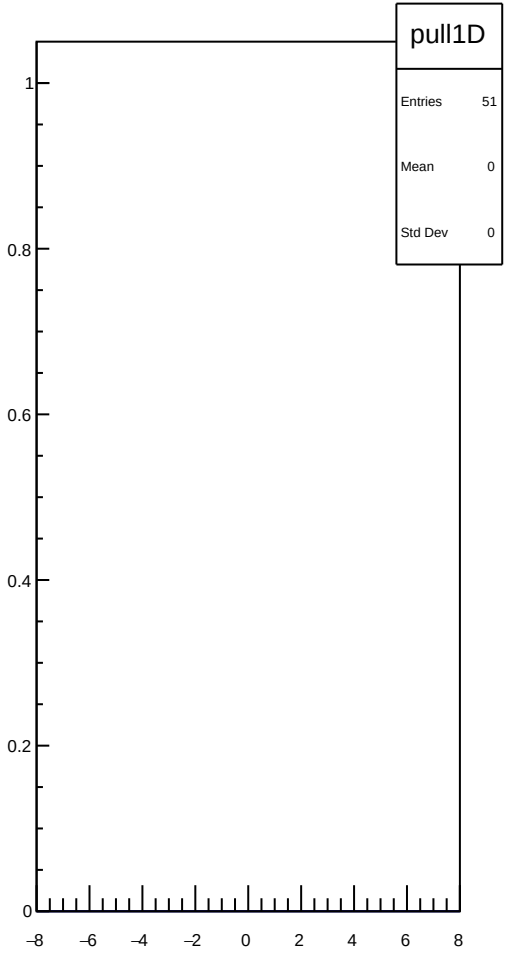

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 51
Mean 0
Std Dev 0
×10¹⁵
1000
800
600
400
200
0
–200
–400
–600

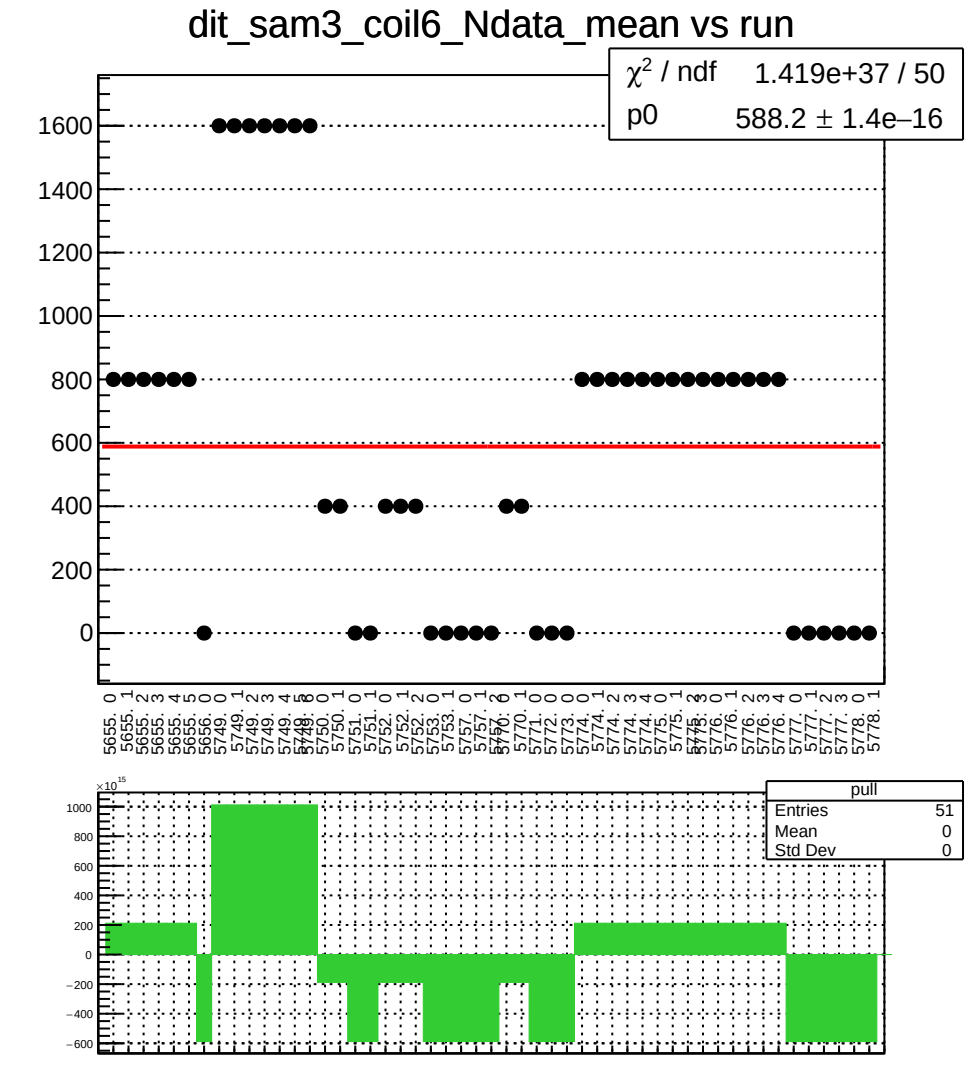

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

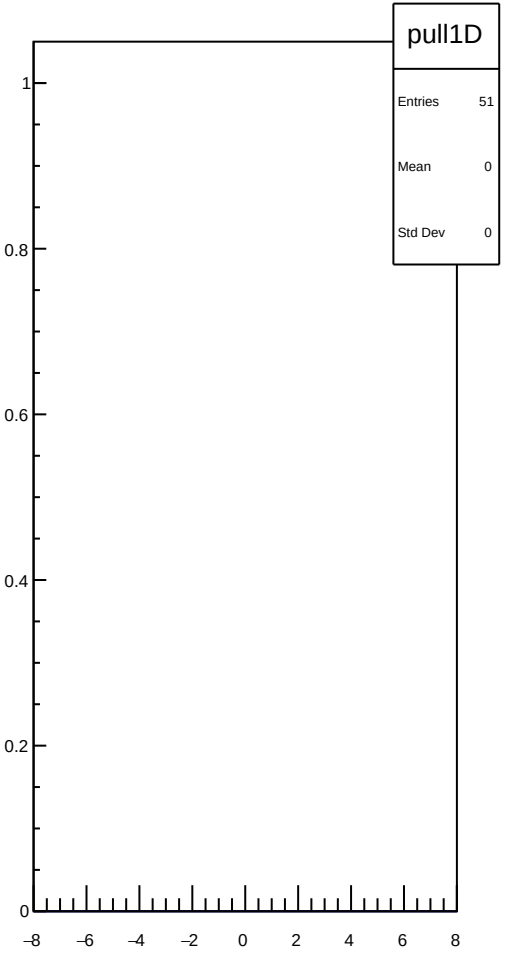

dit_sam3_coil6_mean vs run
χ² / ndf 4.472e+36 / 50
p0 −151.5 ± 1.4e−16
200
0
−200
−400
−600
pull
Entries 51
Mean 3.54e+09
Std Dev 3.54e+09
×10¹⁵
400
200
0
−200
−400

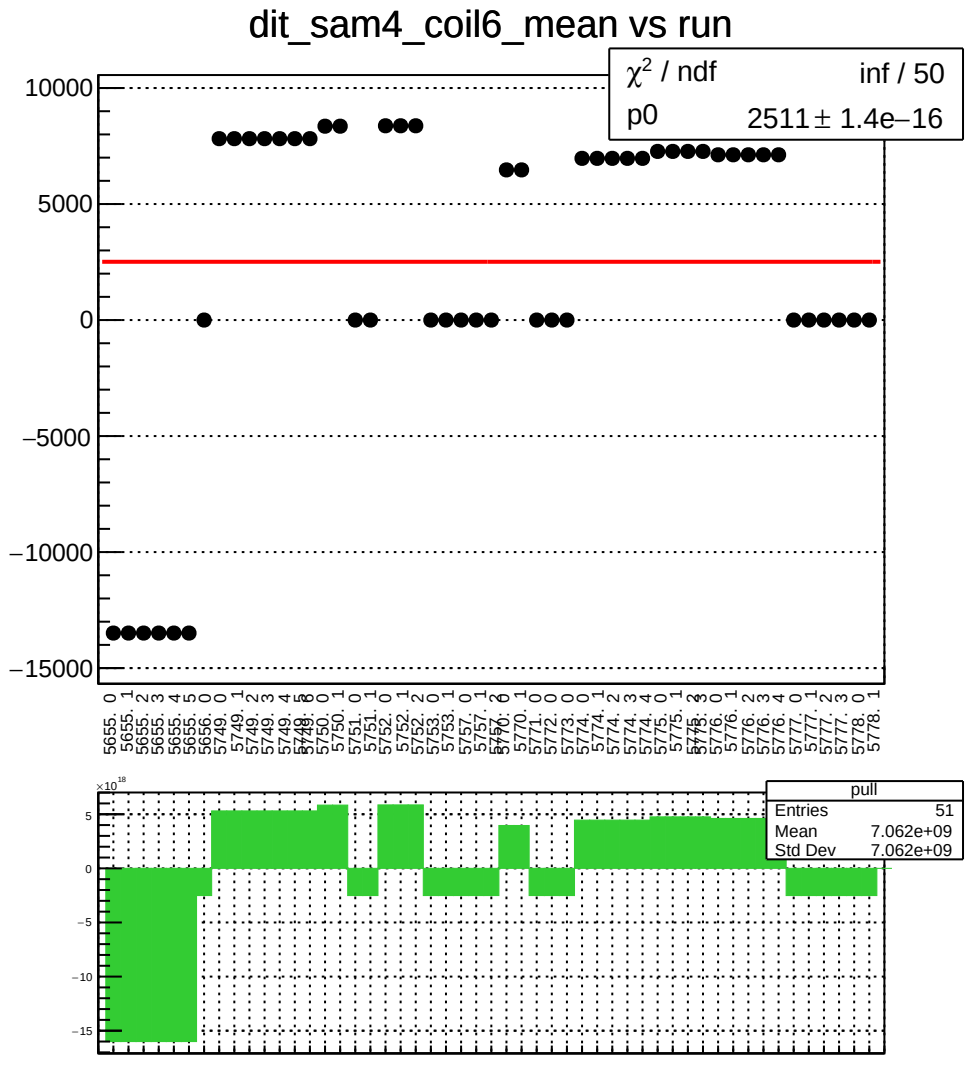

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

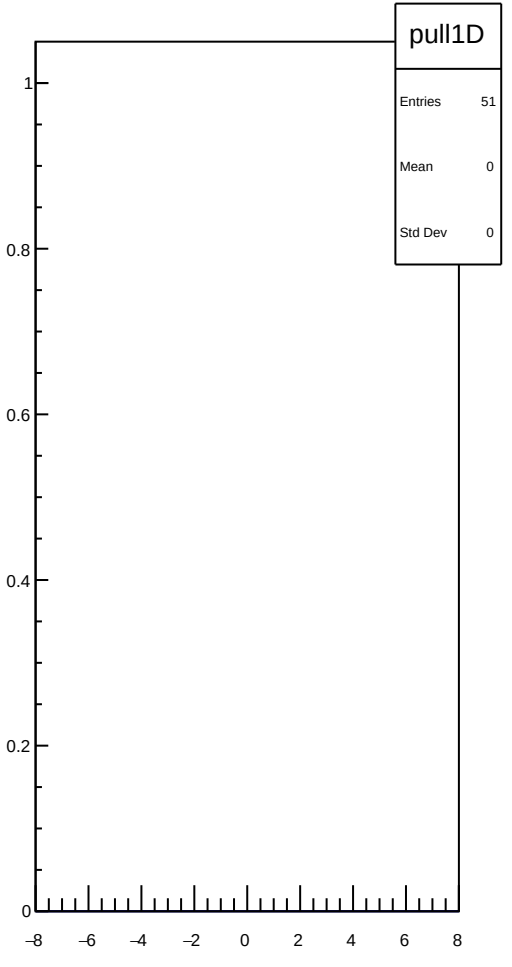

dit_sam3_coil6_err_mean vs run
χ² / ndf 2.147e+36 / 50
p0 188.7 ± 1.4e–16
pull
Entries 51
Mean –7.116e+09
Std Dev 7.116e+09

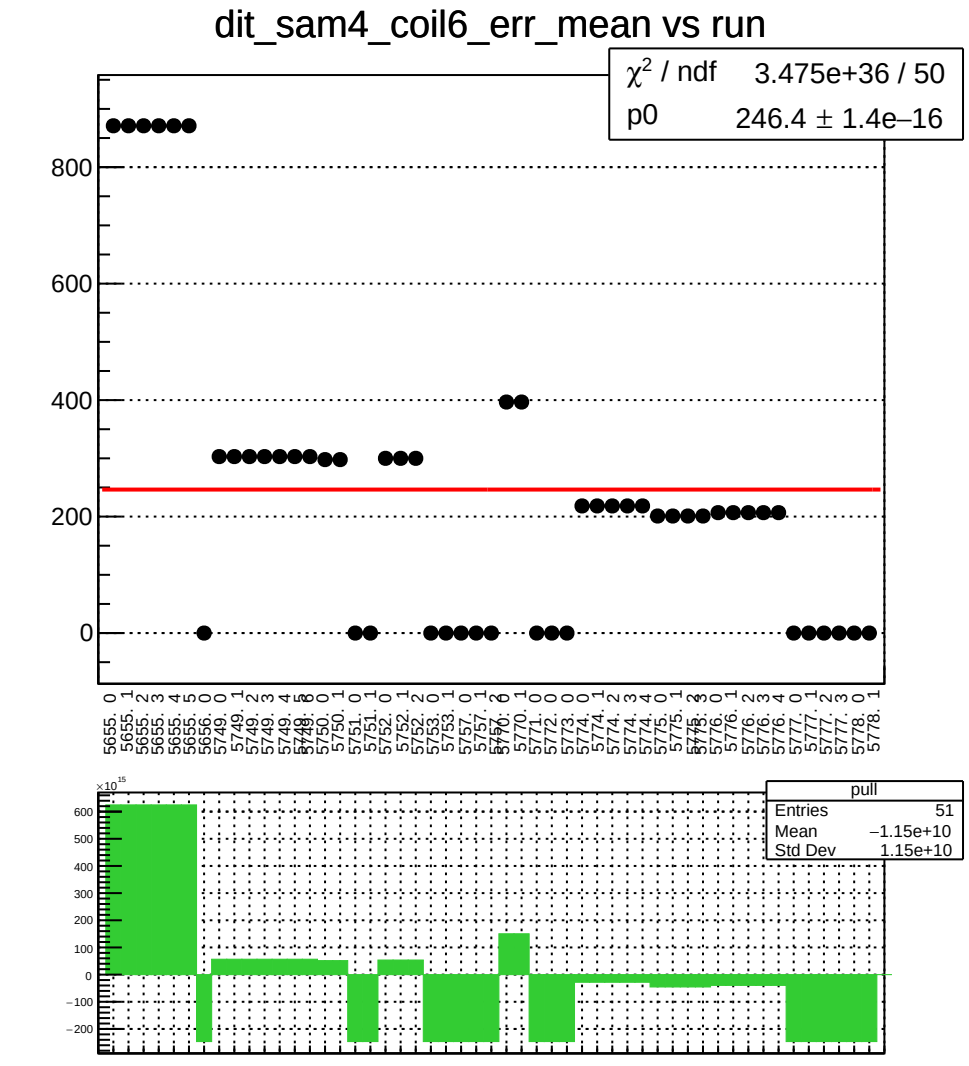

pull1D
Entries 51
Mean 0
Std Dev 0

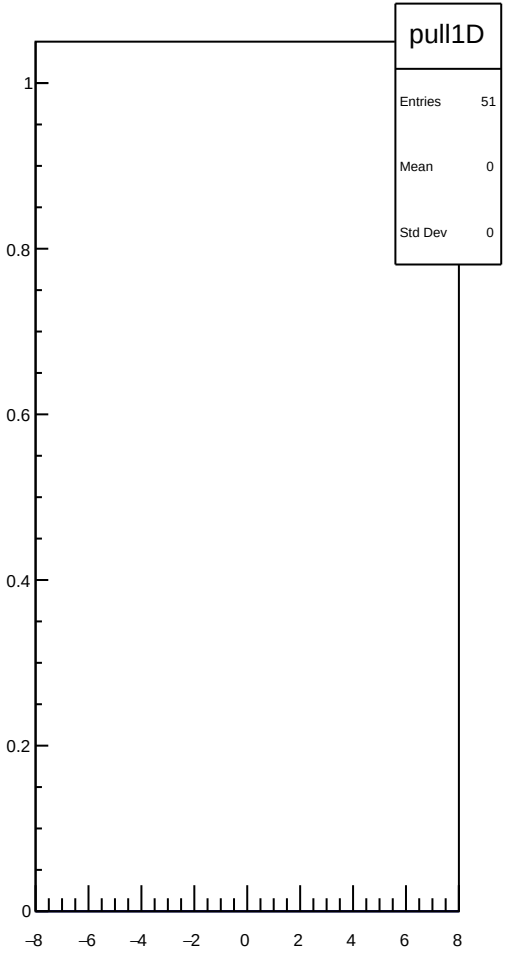

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

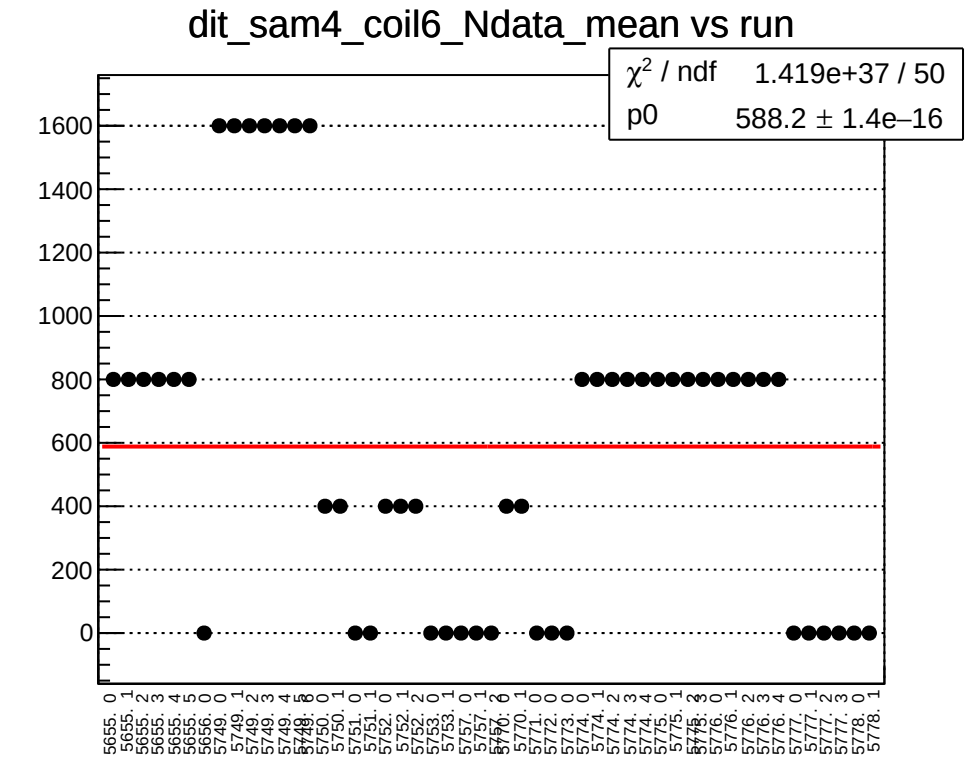

pull1D
Entries 51
Mean 0
Std Dev 0

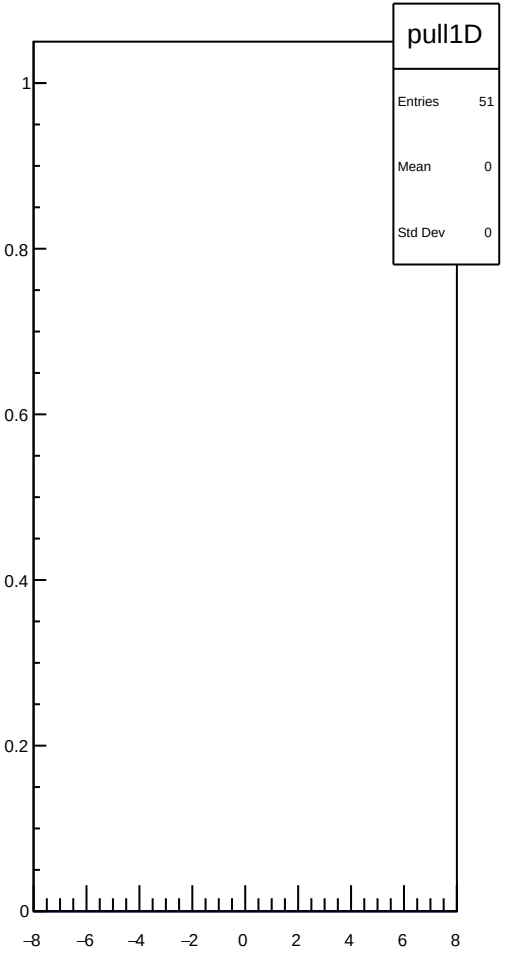

dit_sam4_coil6_mean vs run
χ² / ndf inf / 50
p0 2511 ± 1.4e−16
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 7.062e+09
Std Dev 7.062e+09
×10¹⁸
5
0
−5
−10
−15

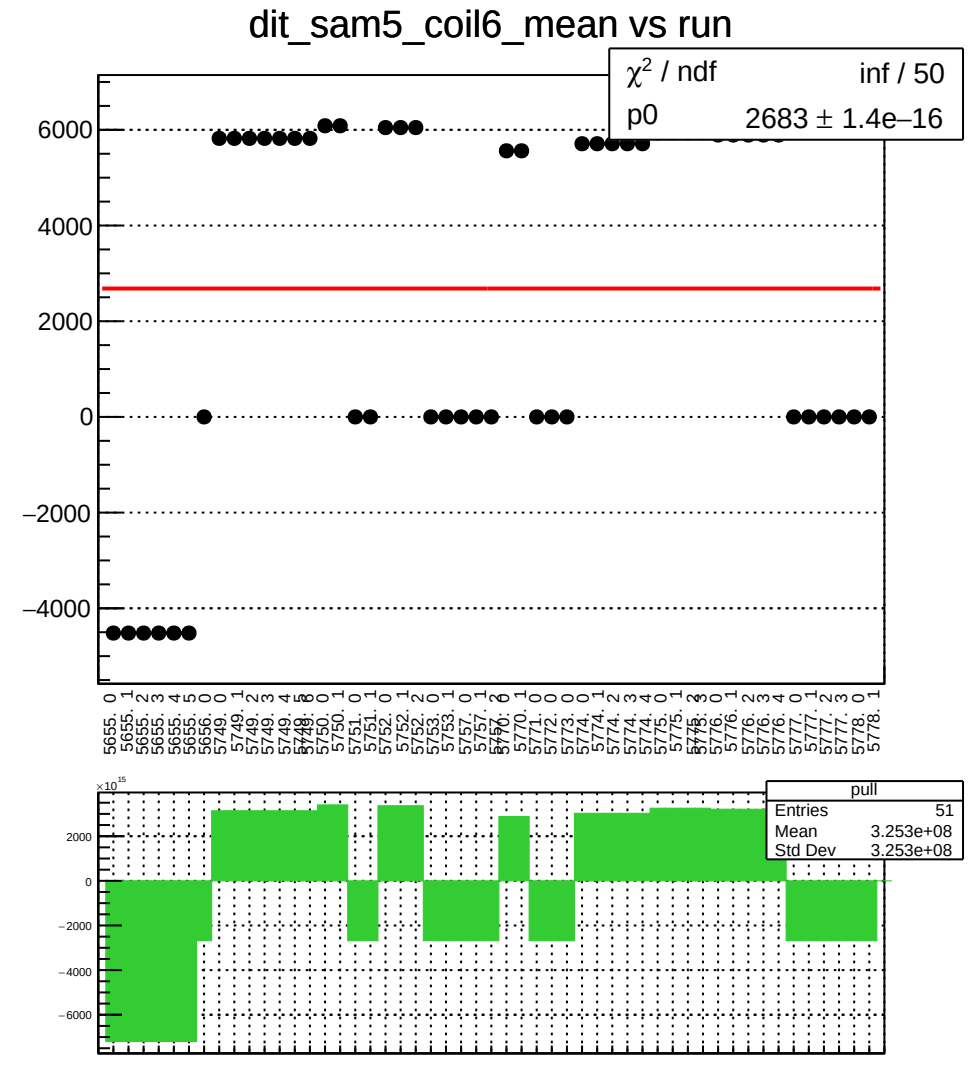

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

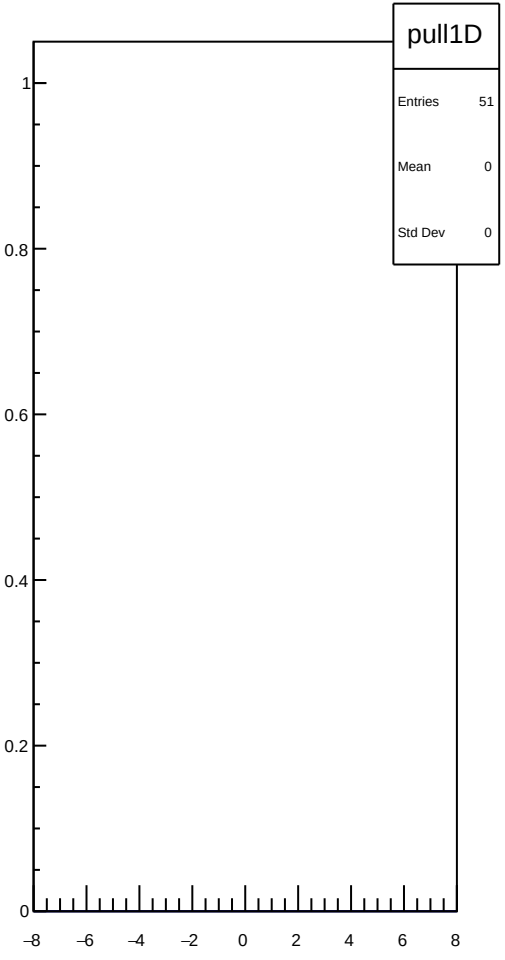

dit_sam4_coil6_err_mean vs run
χ² / ndf 3.475e+36 / 50
p0 246.4 ± 1.4e–16
800
600
400
200
0
pull
Entries 51
Mean –1.15e+10
Std Dev 1.15e+10
×10¹⁵
600
500
400
300
200
100
0
–100
–200

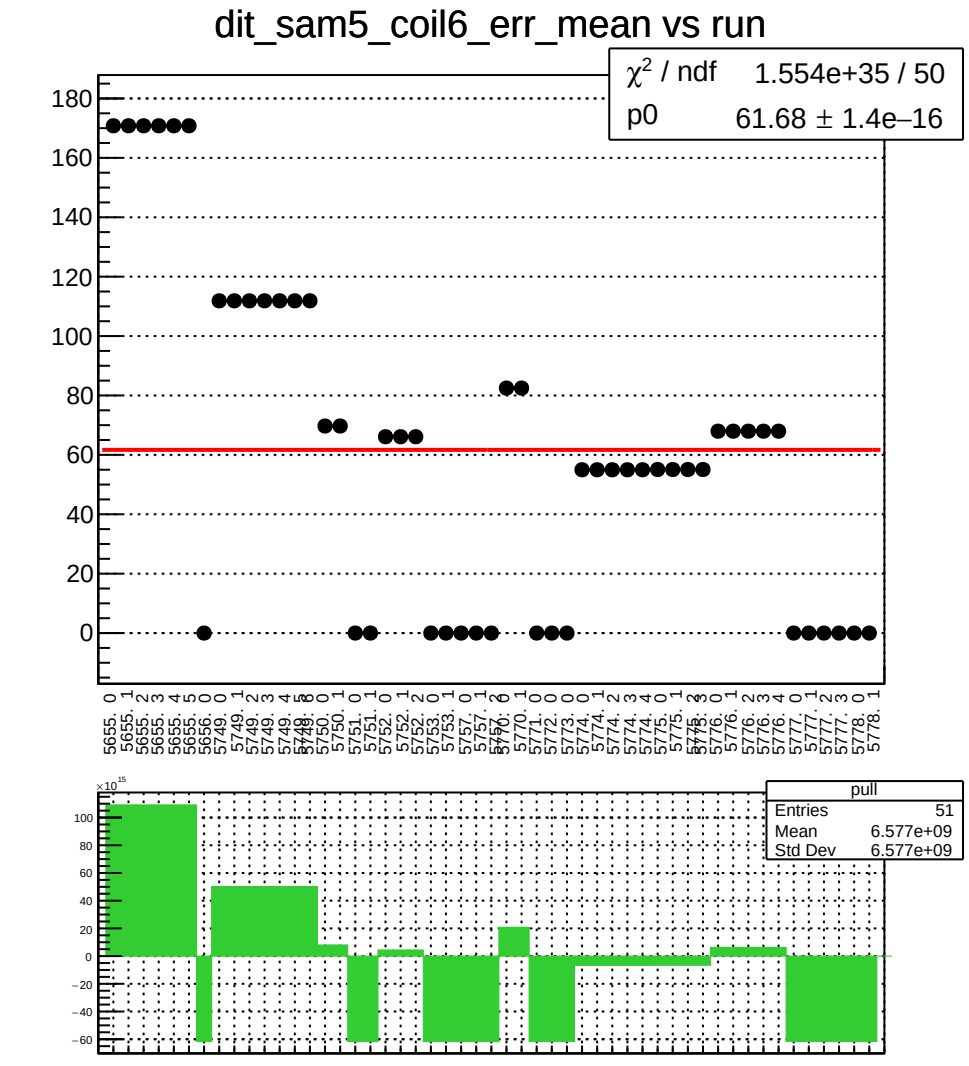

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

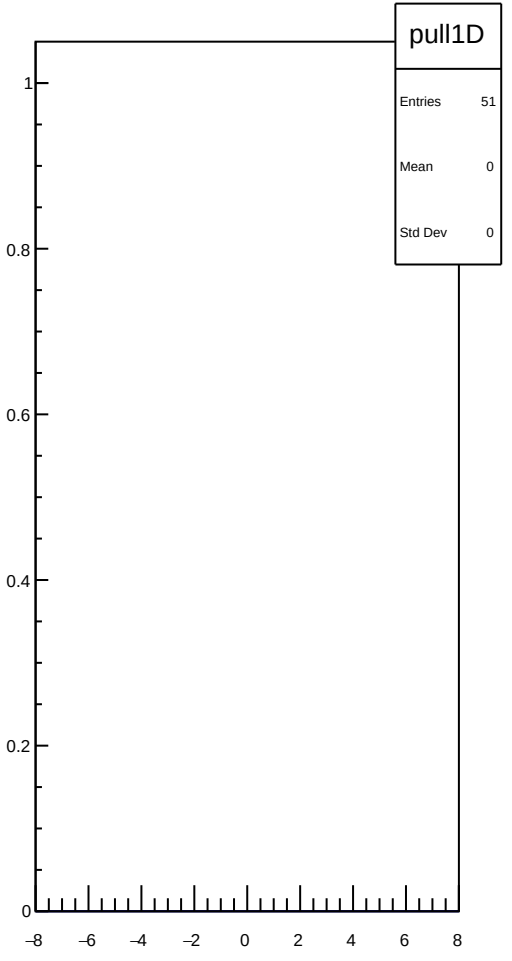

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
1600
1400
1200
1000
800
600
400
200
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 51
Mean 0
Std Dev 0

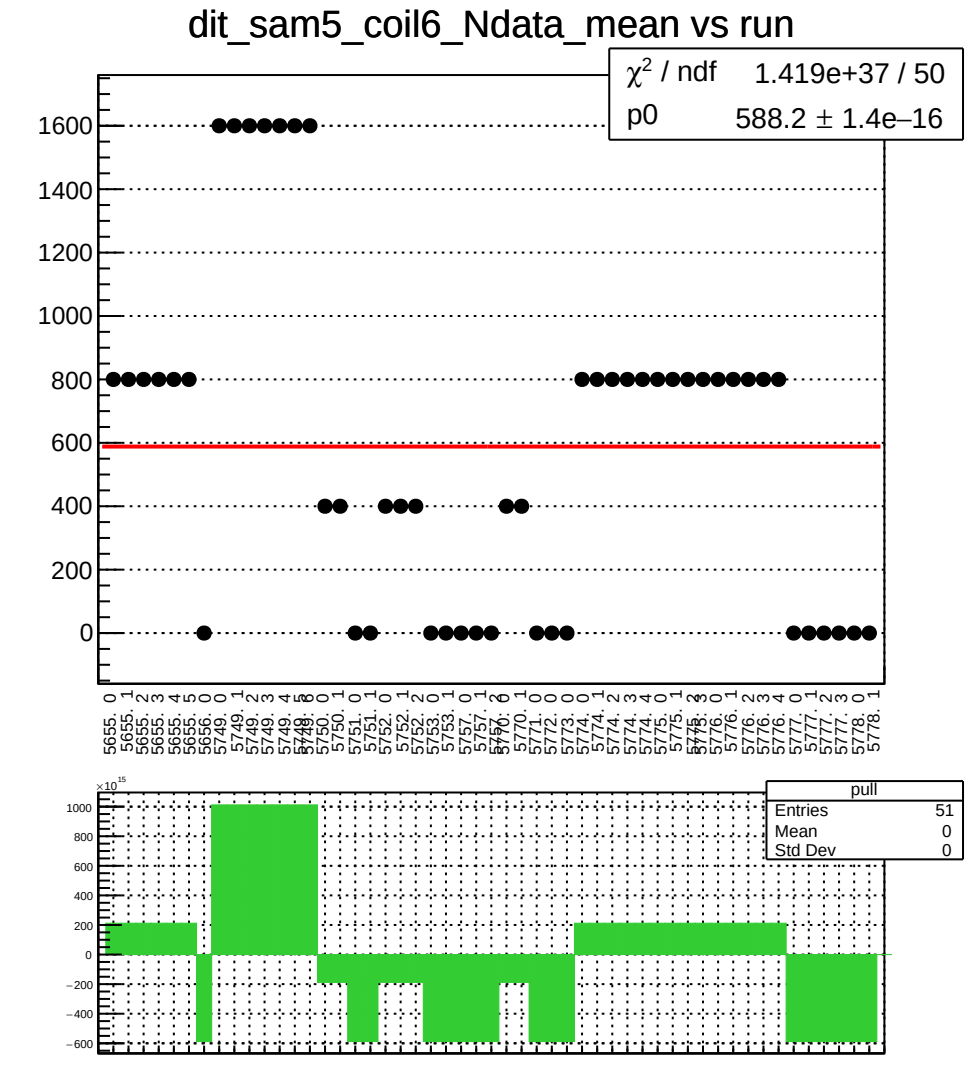

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

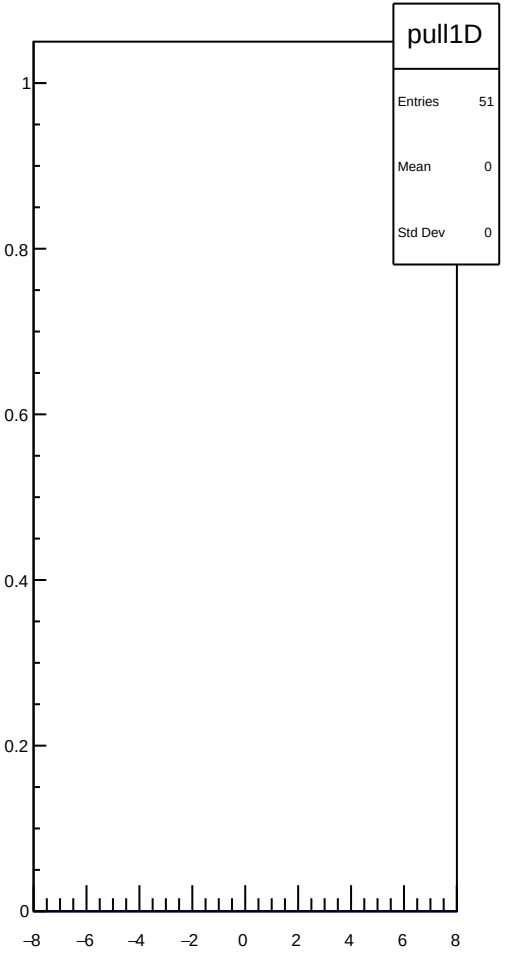

dit_sam5_coil6_mean vs run
χ² / ndf inf / 50
p0 2683 ± 1.4e–16
6000
4000
2000
0
–2000
–4000
pull
Entries 51
Mean 3.253e+08
Std Dev 3.253e+08
×10¹⁵
2000
0
–2000
–4000
–6000

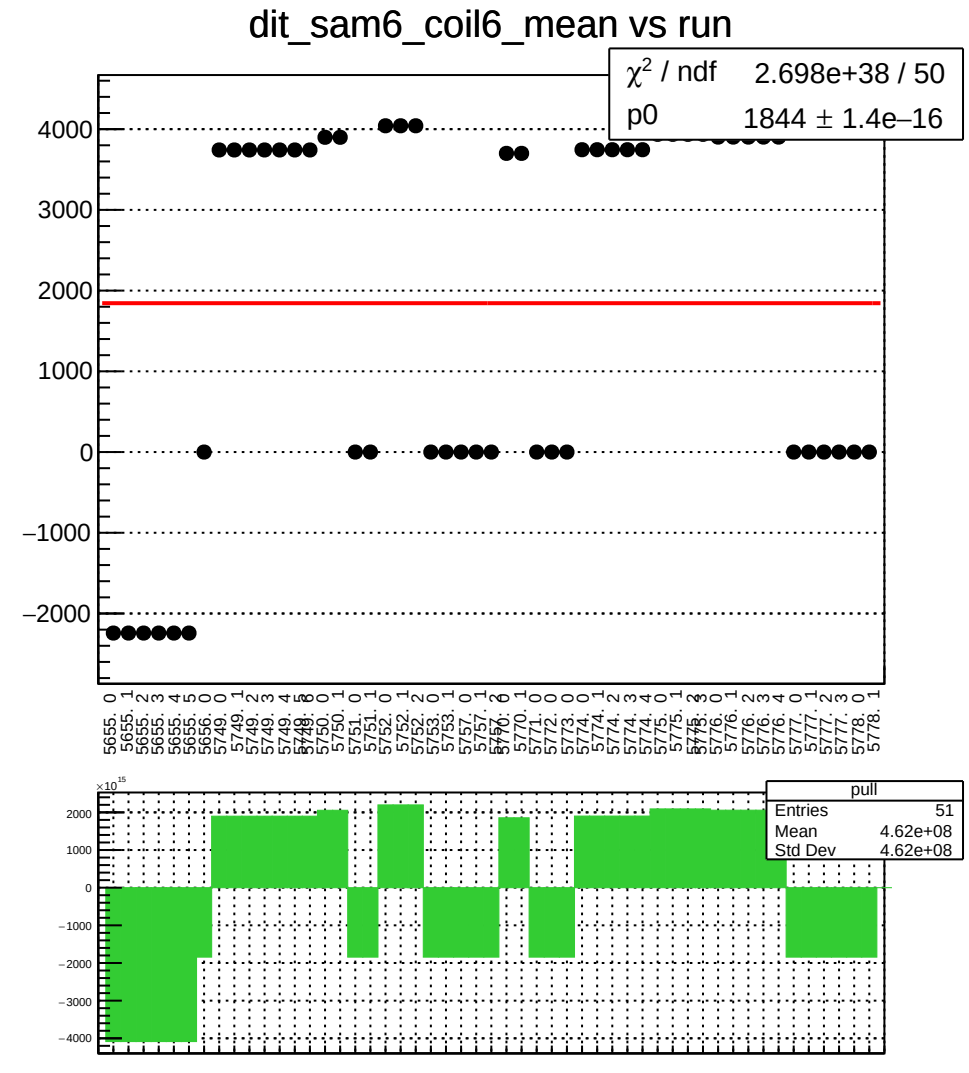

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

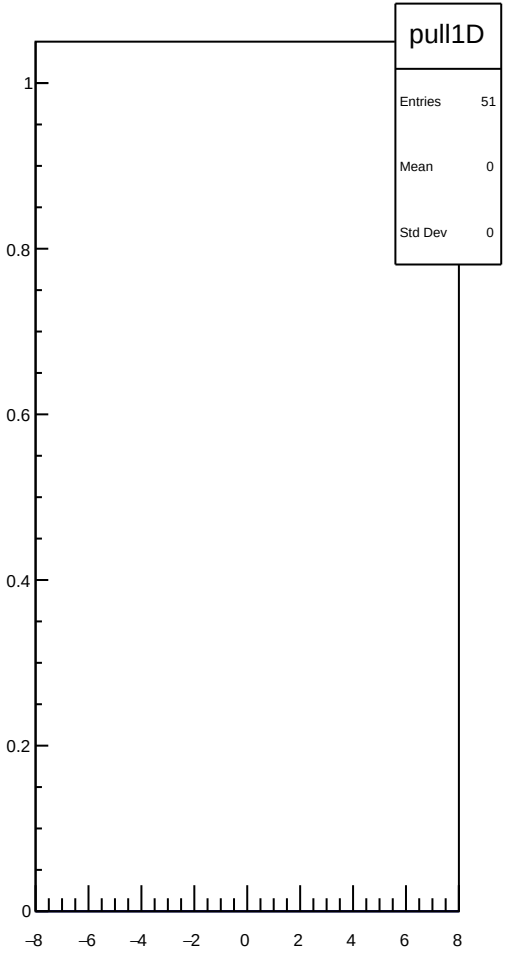

dit_sam5_coil6_err_mean vs run
χ² / ndf 1.554e+35 / 50
p0 61.68 ± 1.4e–16
pull
Entries 51
Mean 6.577e+09
Std Dev 6.577e+09

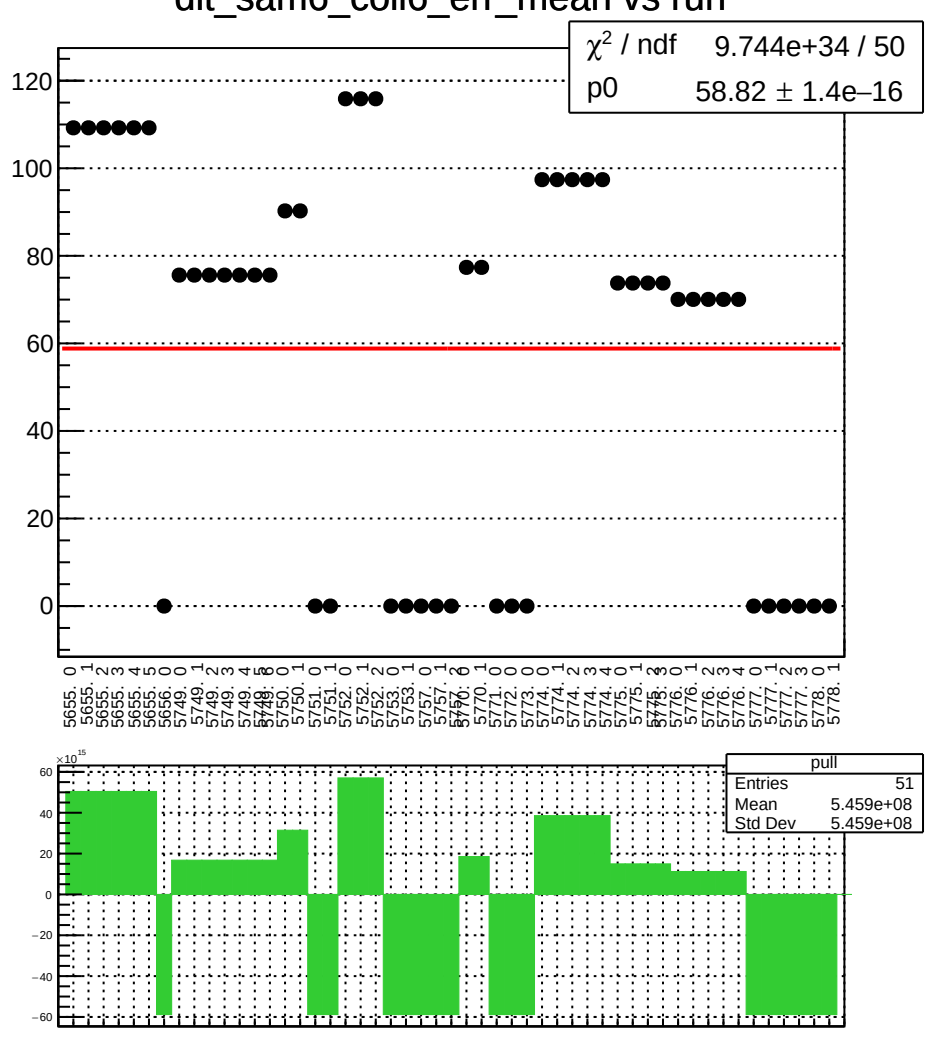

pull1D
Entries 51
Mean 0
Std Dev 0

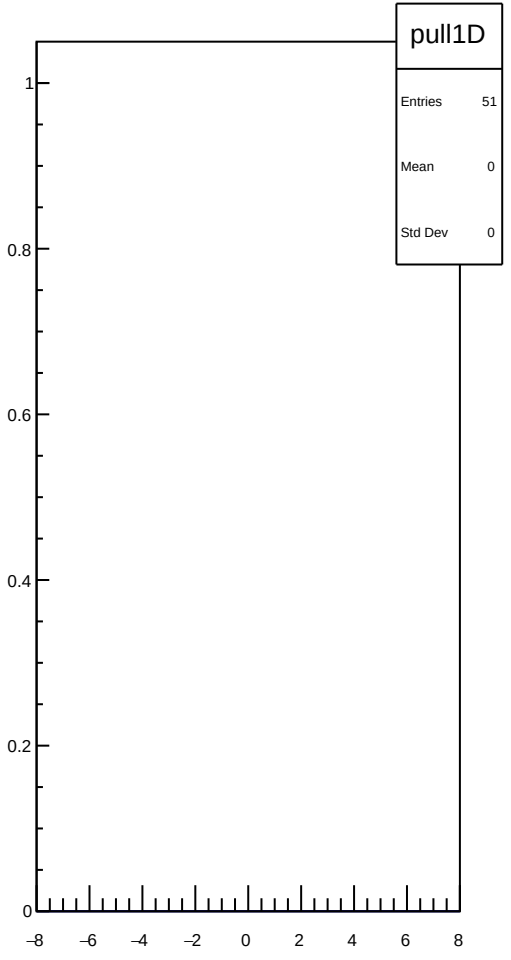

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

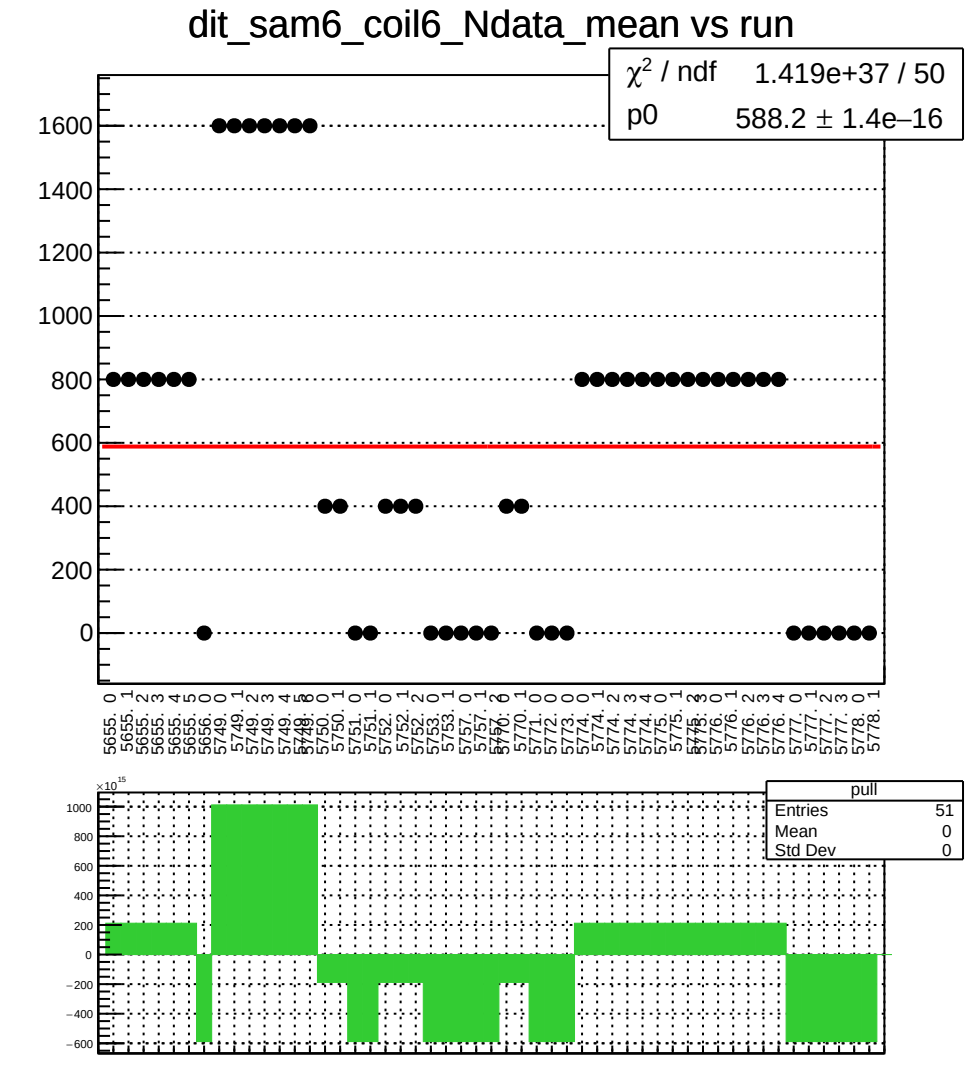

pull1D
Entries 51
Mean 0
Std Dev 0

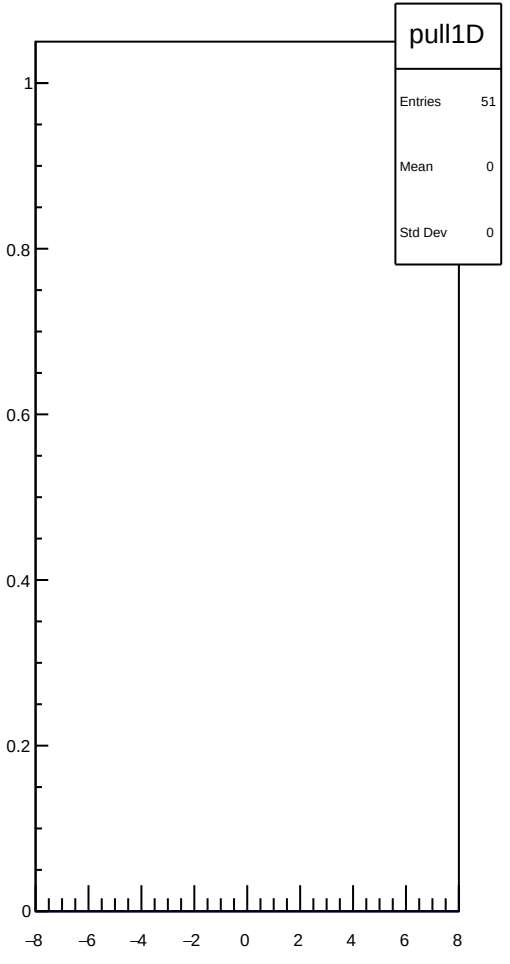

dit_sam6_coil6_mean vs run
χ² / ndf 2.698e+38 / 50
p0 1844 ± 1.4e–16
pull
Entries 51
Mean 4.62e+08
Std Dev 4.62e+08

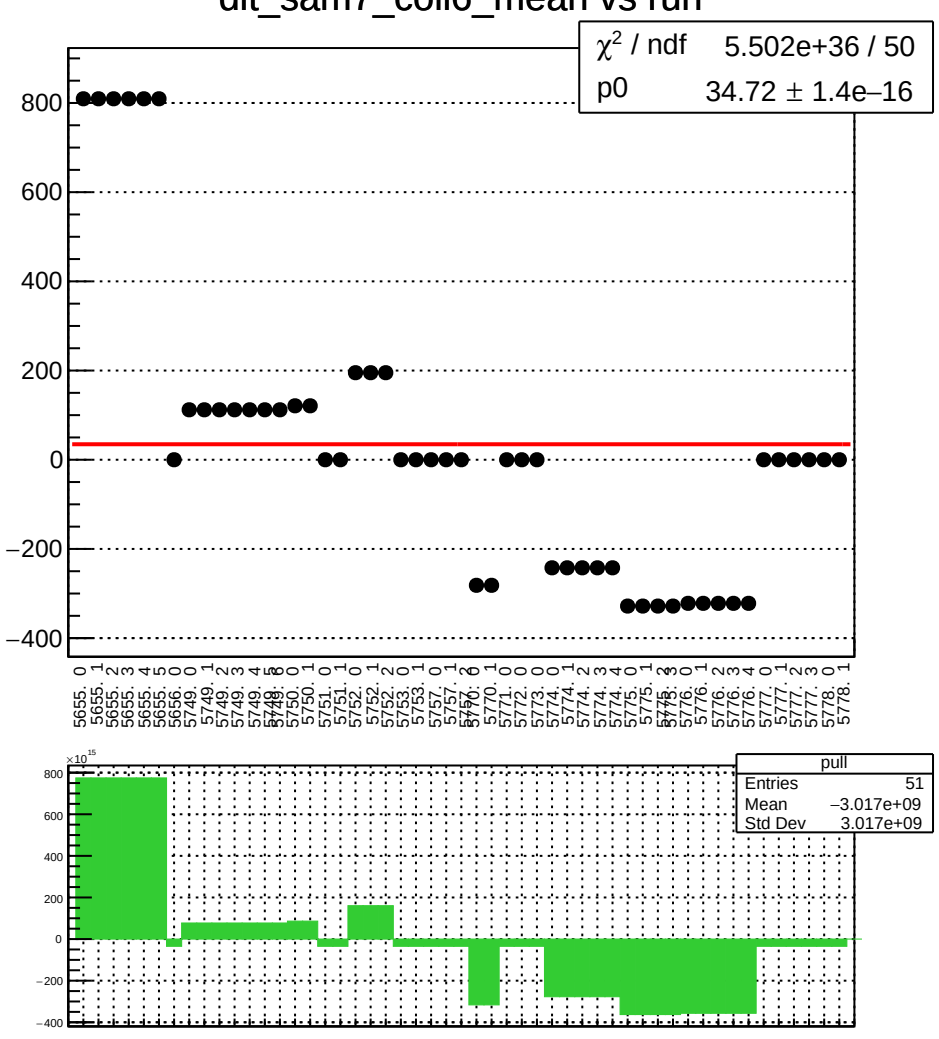

pull1D
Entries 51
Mean 0
Std Dev 0

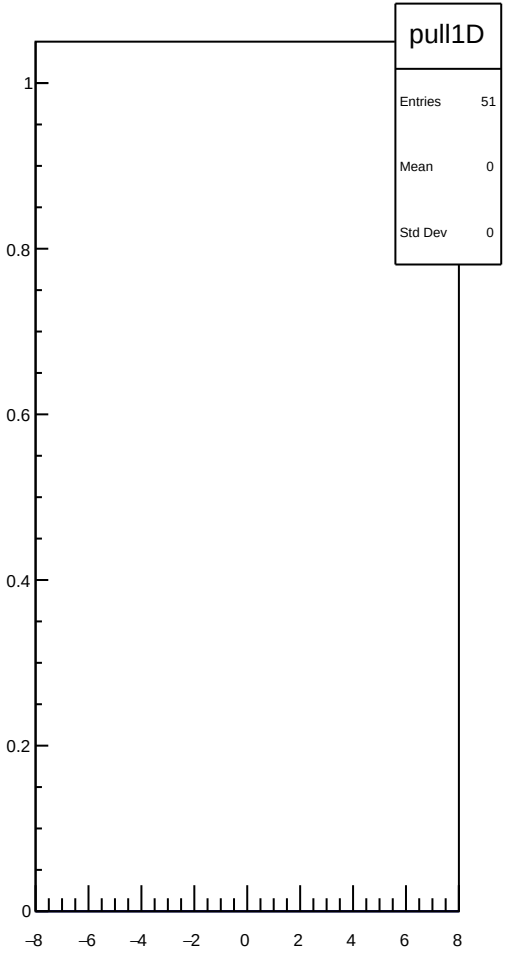

dit_sam6_coil6_err_mean vs run
χ² / ndf 9.744e+34 / 50
p0 58.82 ± 1.4e–16
pull
Entries 51
Mean 5.459e+08
Std Dev 5.459e+08

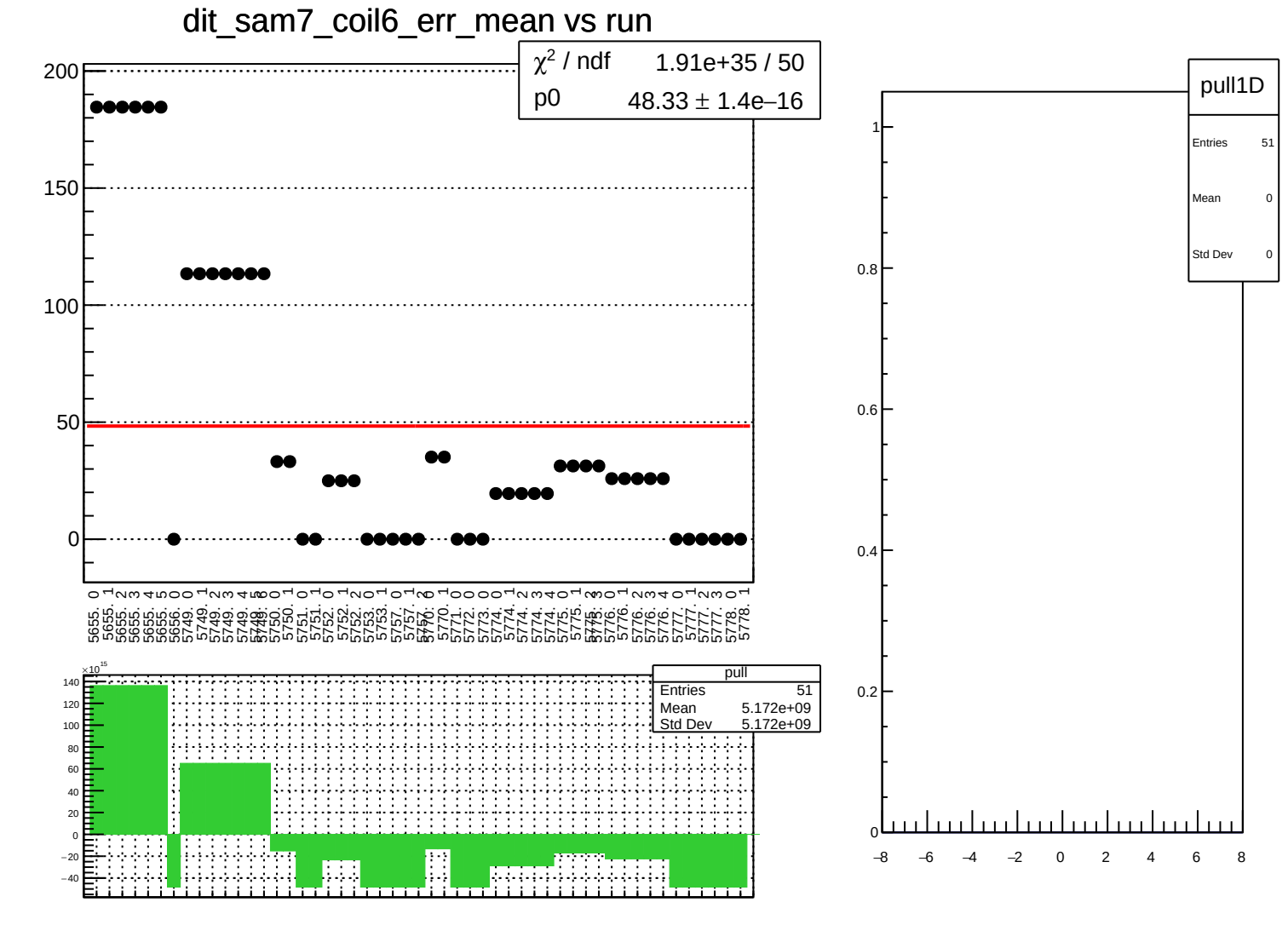

pull1D
Entries 51
Mean 0
Std Dev 0

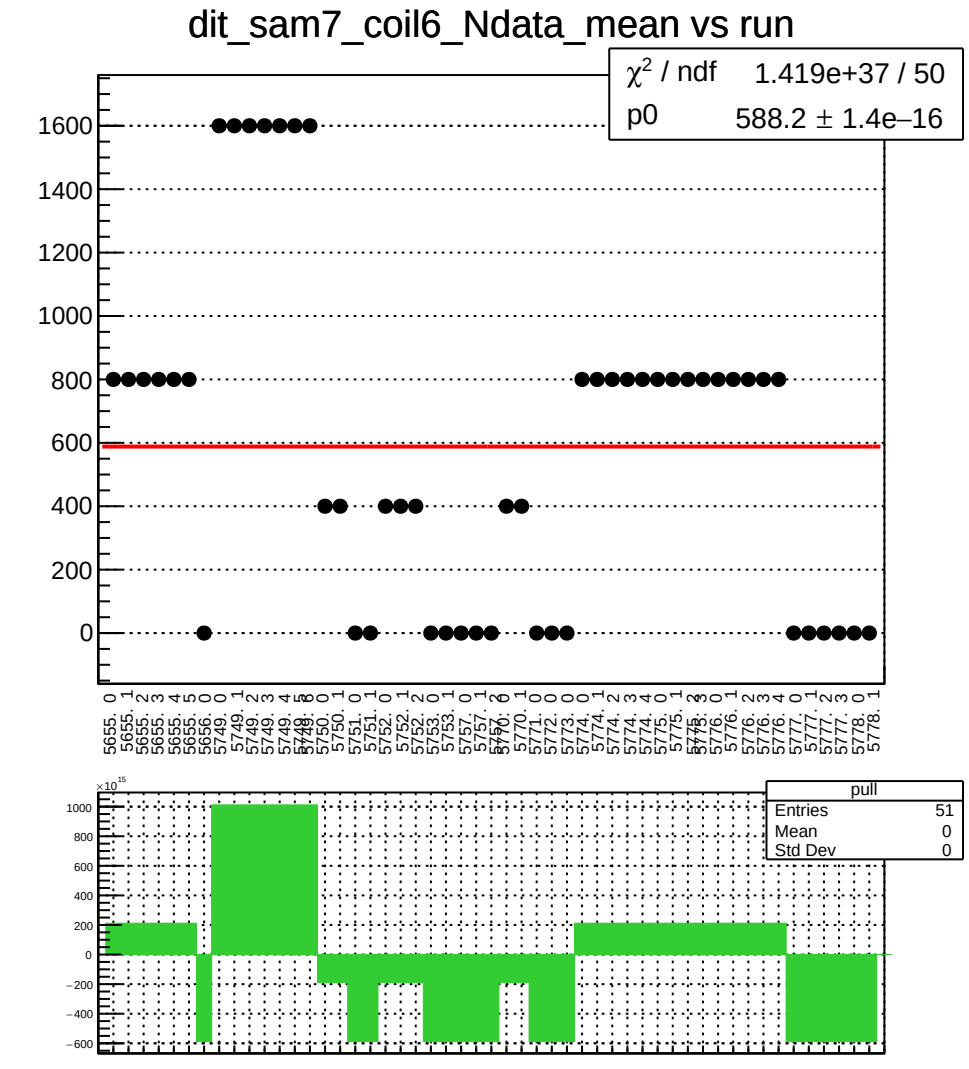

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

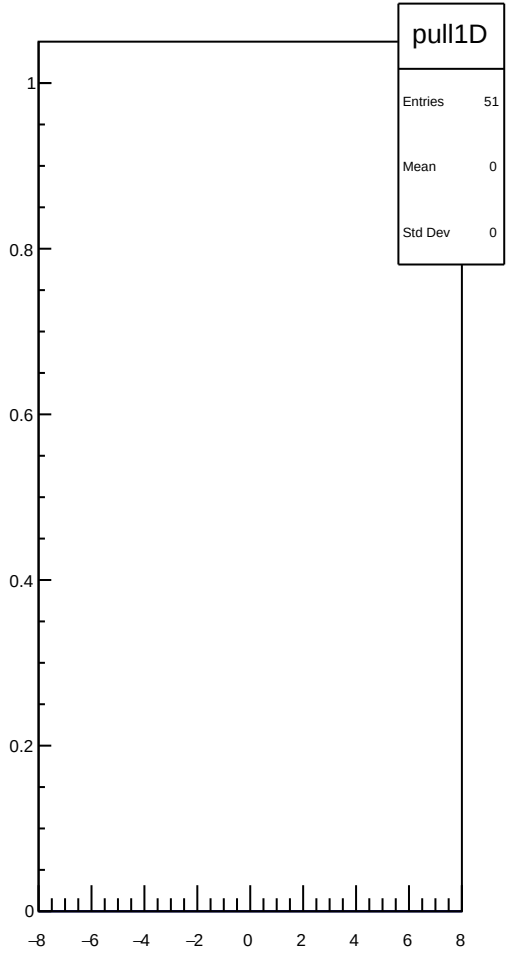

pull1D
Entries 51
Mean 0
Std Dev 0

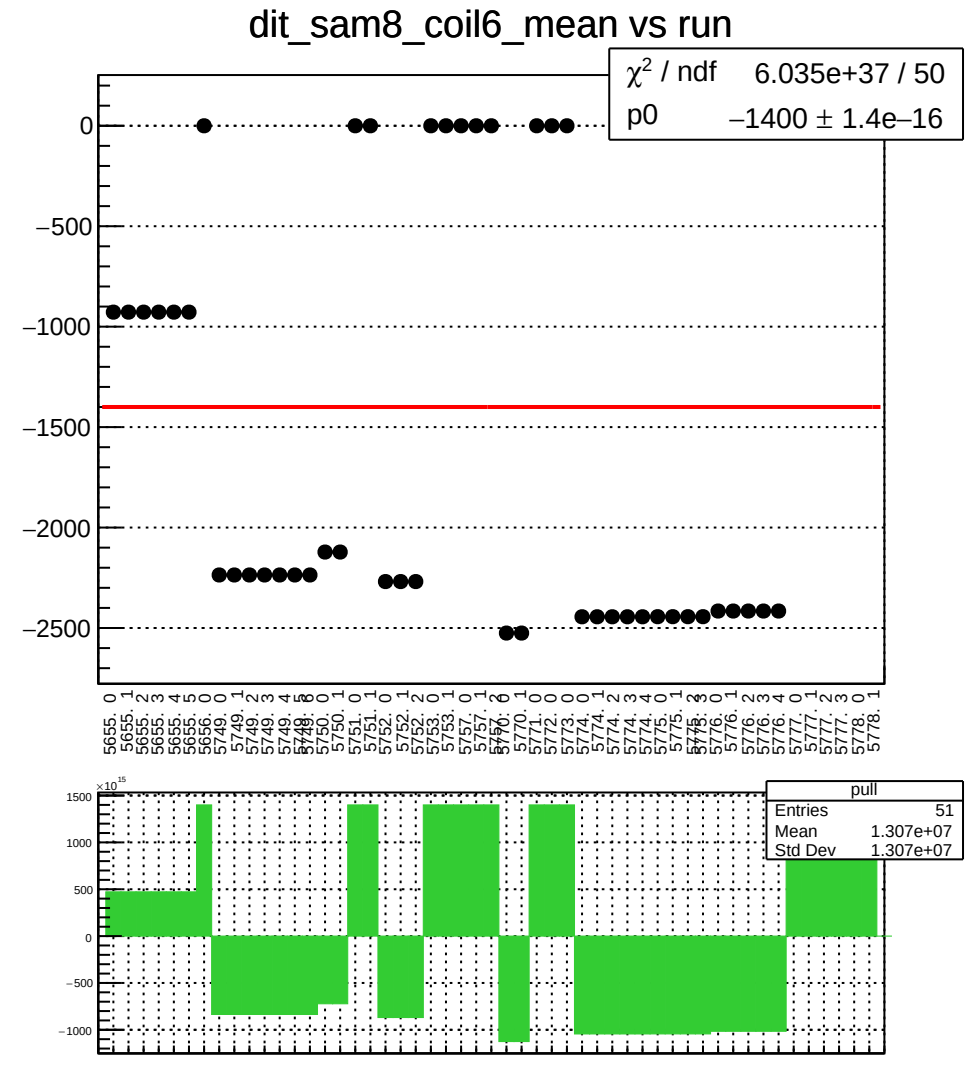

dit_sam7_coil6_mean vs run
χ² / ndf 5.502e+36 / 50
p0 34.72 ± 1.4e–16
pull
Entries 51
Mean –3.017e+09
Std Dev 3.017e+09

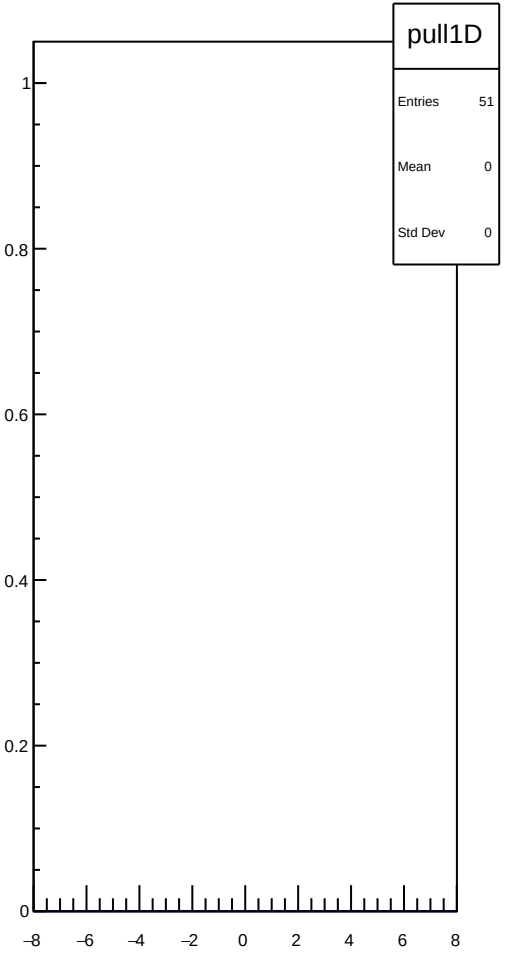

pull1D
Entries 51
Mean 0
Std Dev 0

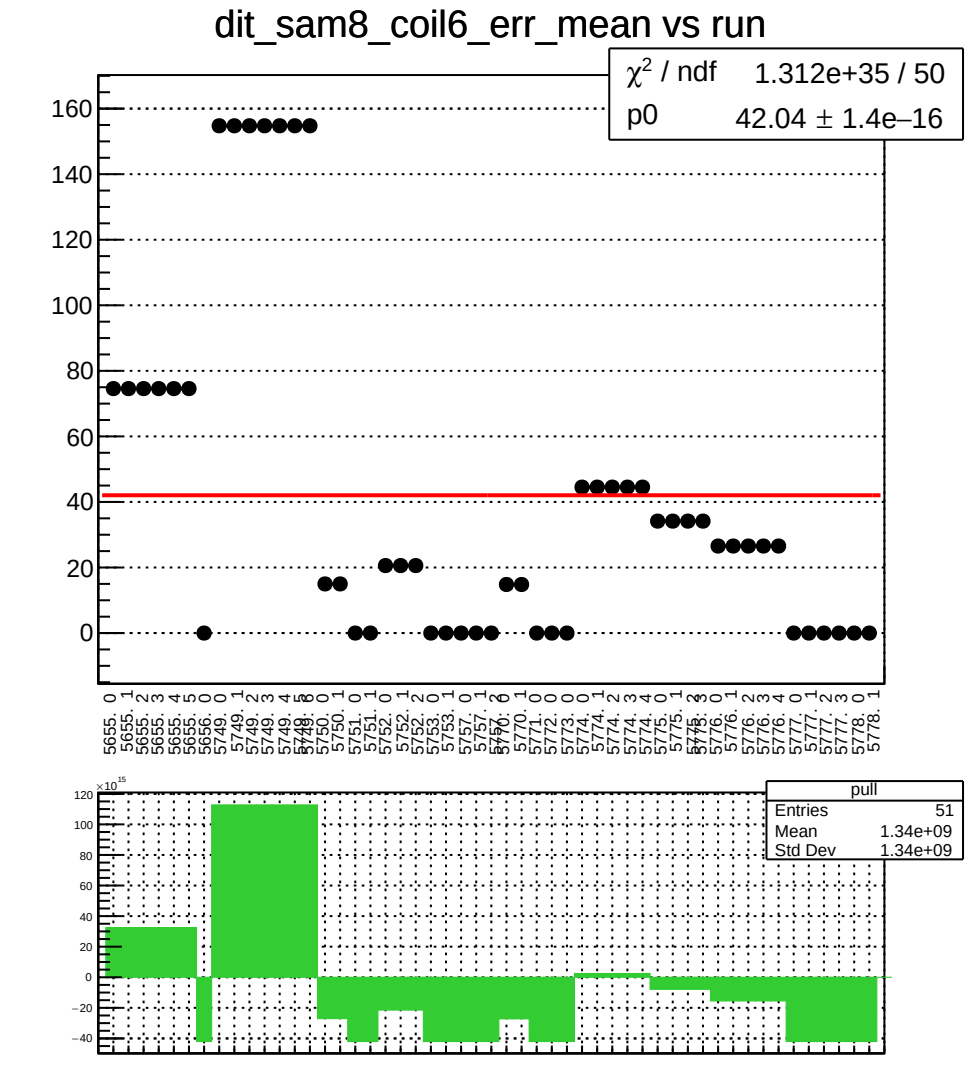

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.91e+35 / 50
p0 48.33 ± 1.4e–16
200
150
100
50
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1
×10¹⁵
140
120
100
80
60
40
20
0
–20
–40
pull
Entries 51
Mean 5.172e+09
Std Dev 5.172e+09
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

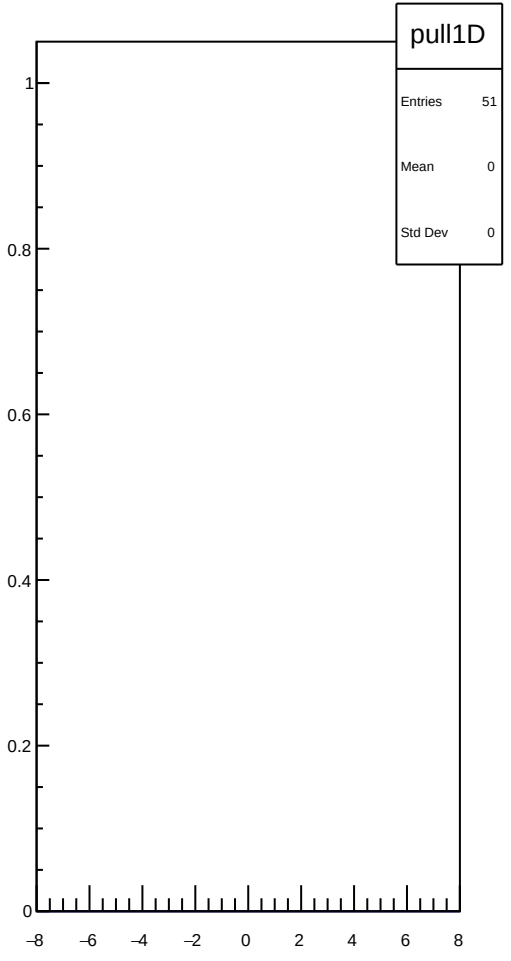

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

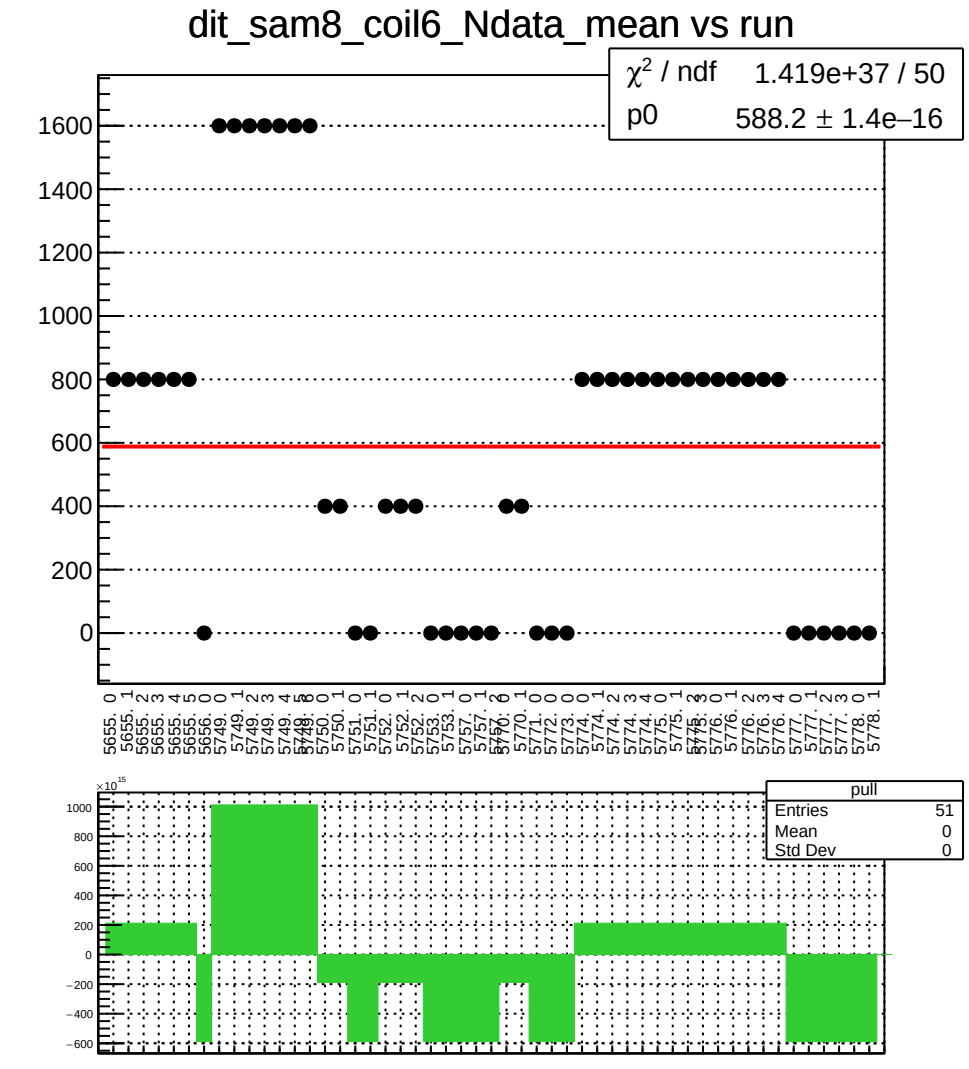

pull1D
Entries 51
Mean 0
Std Dev 0

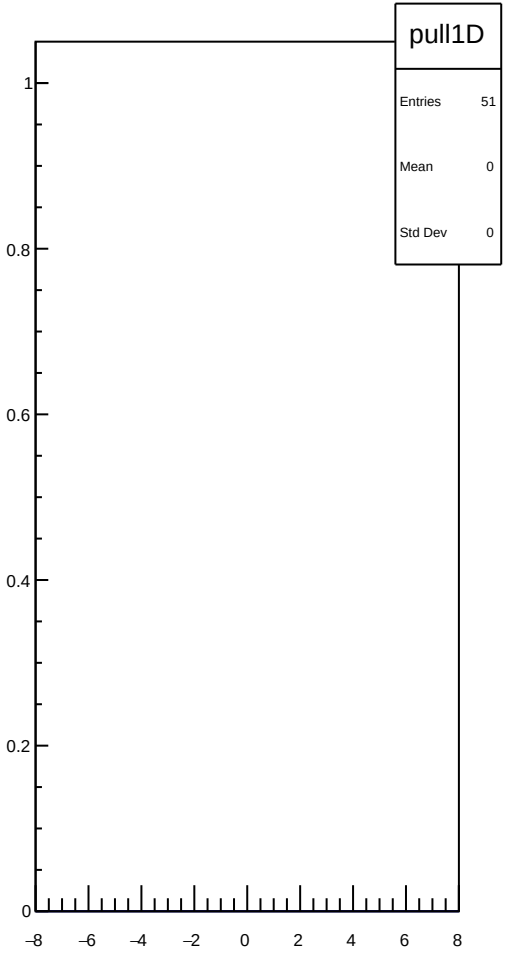

dit_sam8_coil6_mean vs run
χ² / ndf 6.035e+37 / 50
p0 –1400 ± 1.4e–16
0
–500
–1000
–1500
–2000
–2500
pull
Entries 51
Mean 1.307e+07
Std Dev 1.307e+07
×10¹⁵
1500
1000
500
0
–500
–1000

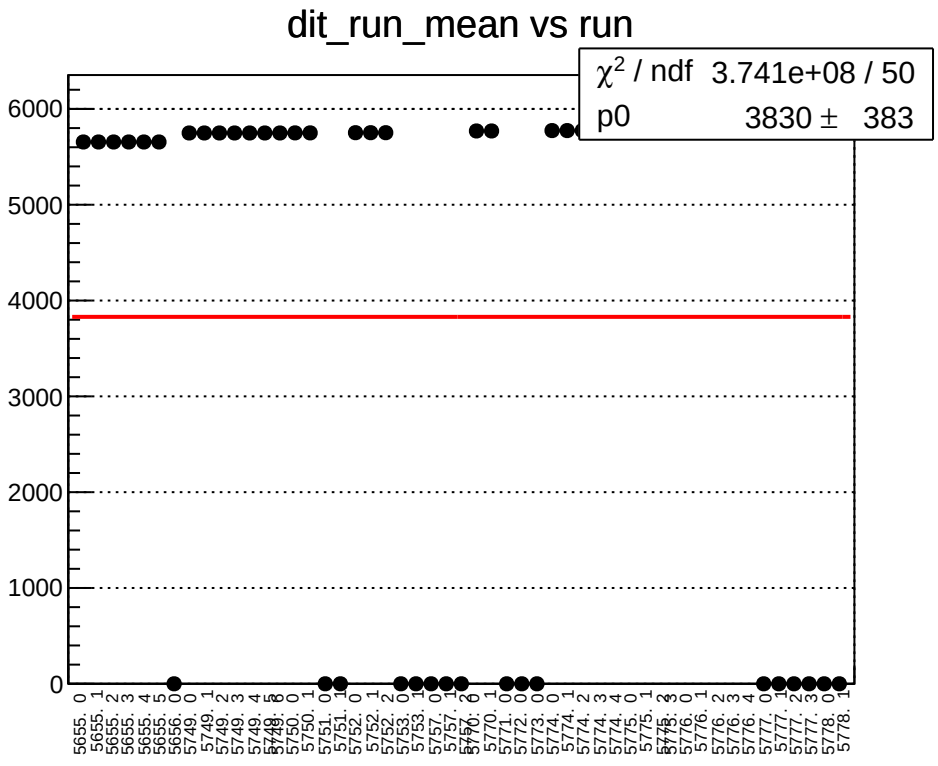

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

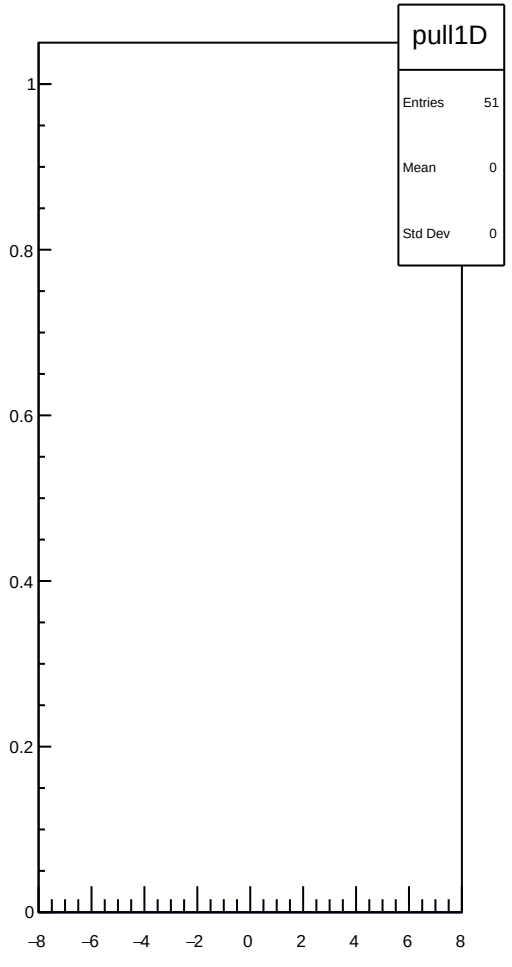

dit_sam8_coil6_err_mean vs run
χ² / ndf 1.312e+35 / 50
p0 42.04 ± 1.4e–16
pull
Entries 51
Mean 1.34e+09
Std Dev 1.34e+09

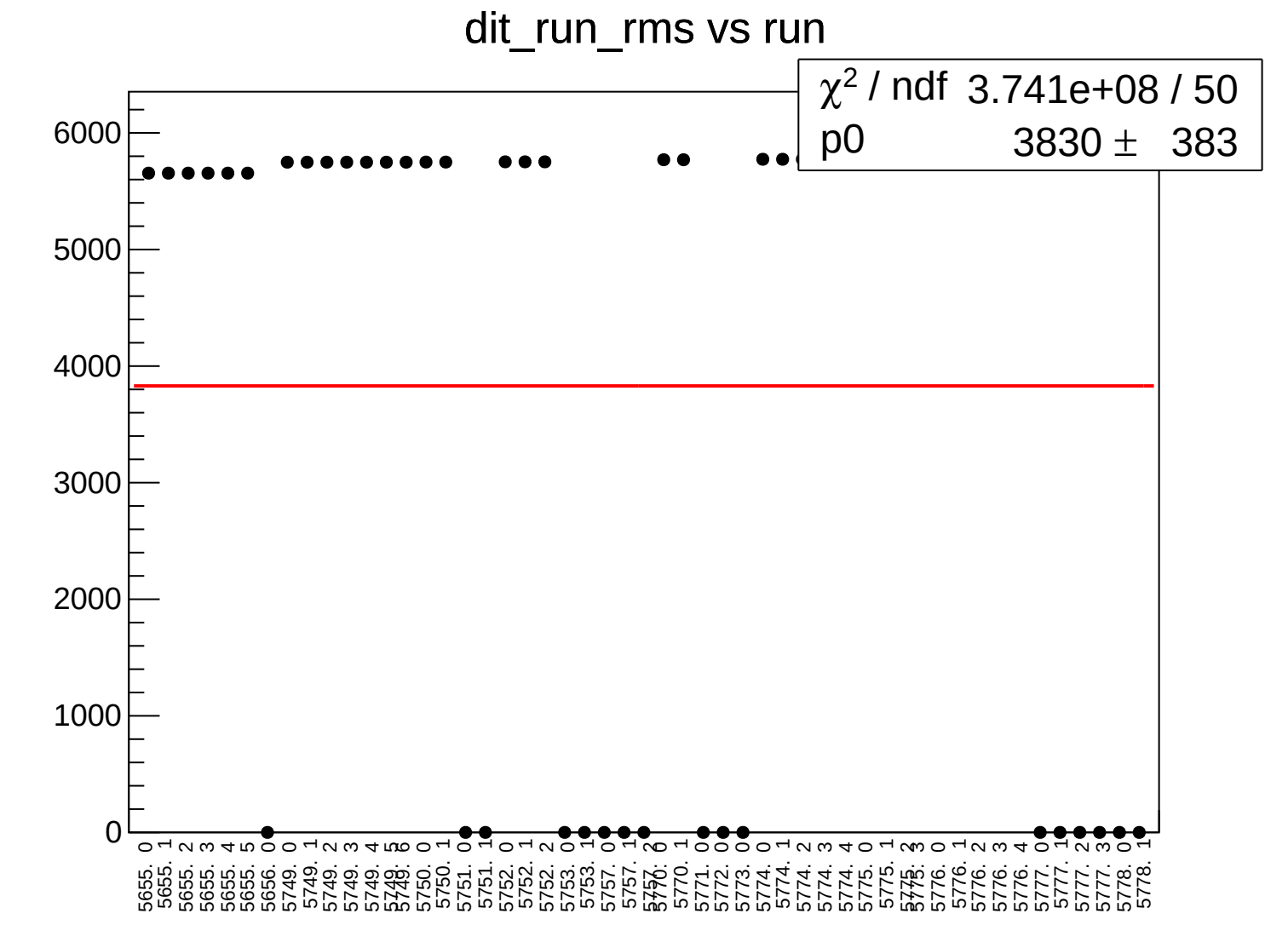

pull1D
Entries 51
Mean 0
Std Dev 0

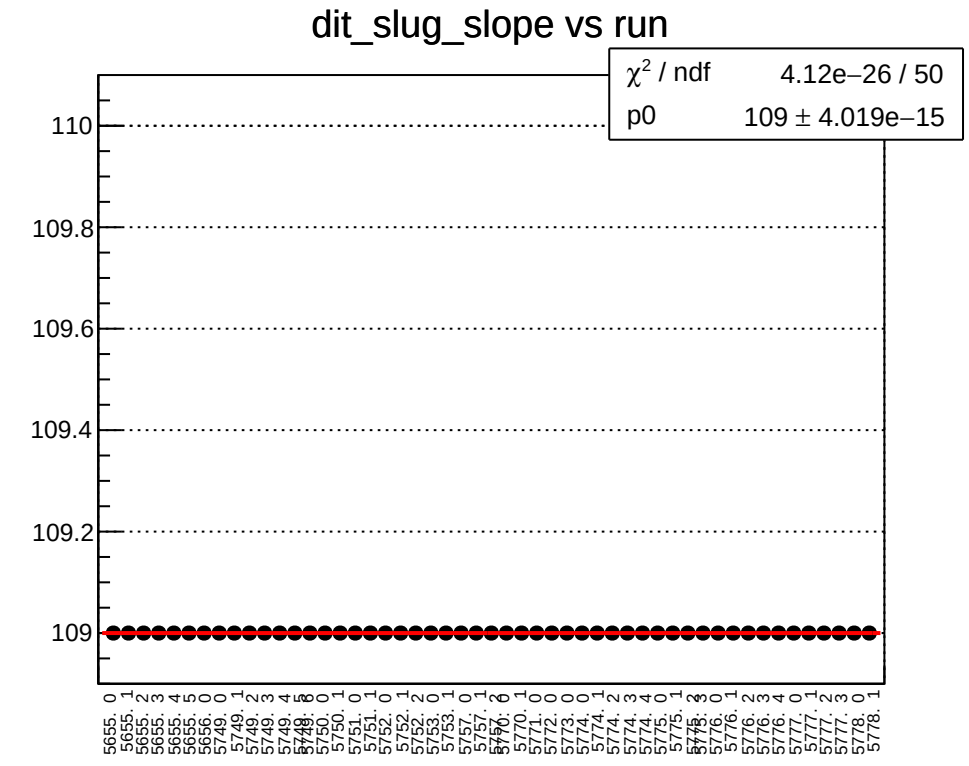

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.419e+37 / 50
p0 588.2 ± 1.4e–16
pull
Entries 51
Mean 0
Std Dev 0

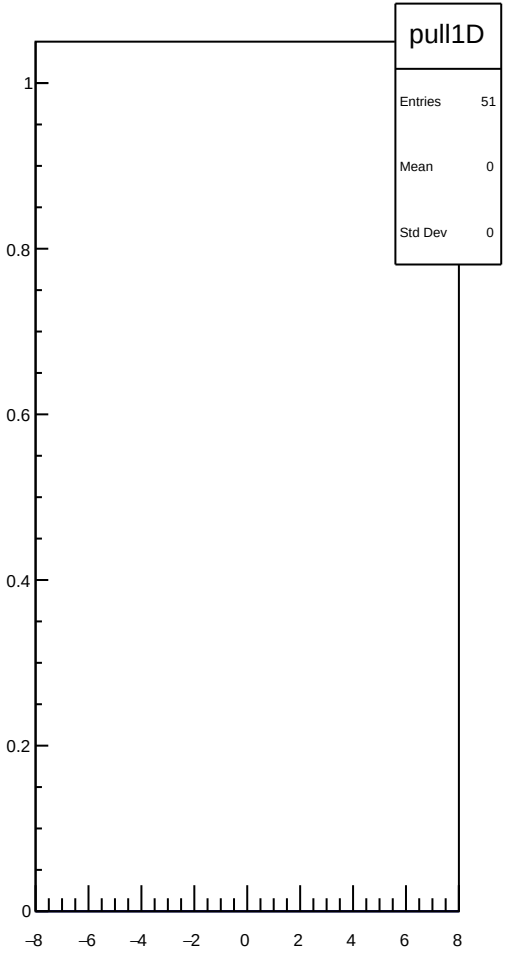

pull1D
Entries 51
Mean 0
Std Dev 0

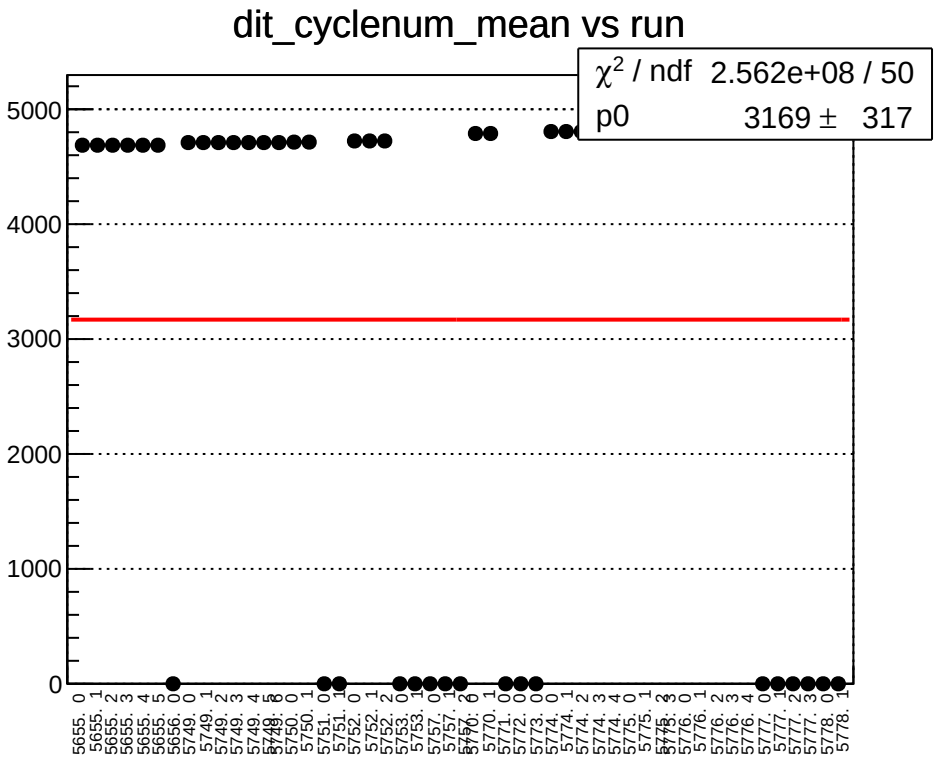

dit_run_mean vs run
χ² / ndf 3.741e+08 / 50
p0 3830 ± 383
6000
5000
4000
3000
2000
1000
0

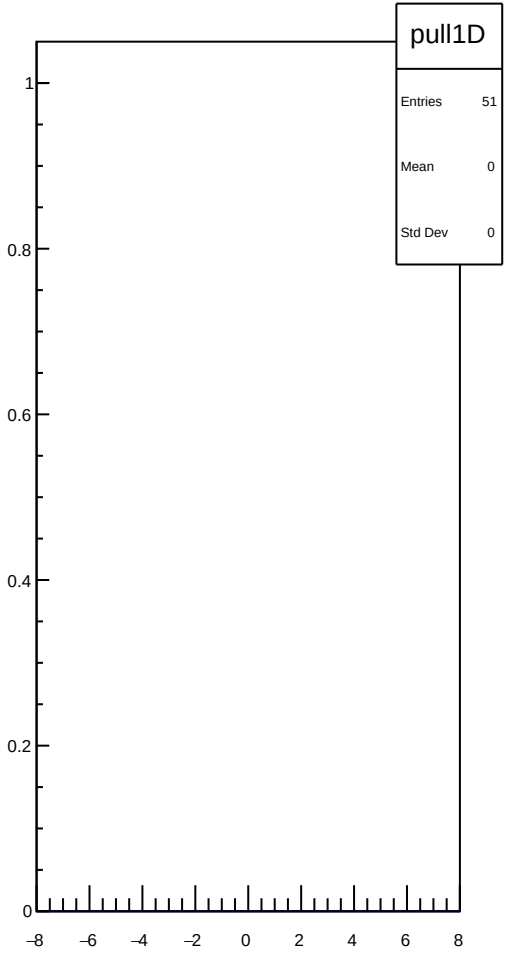

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

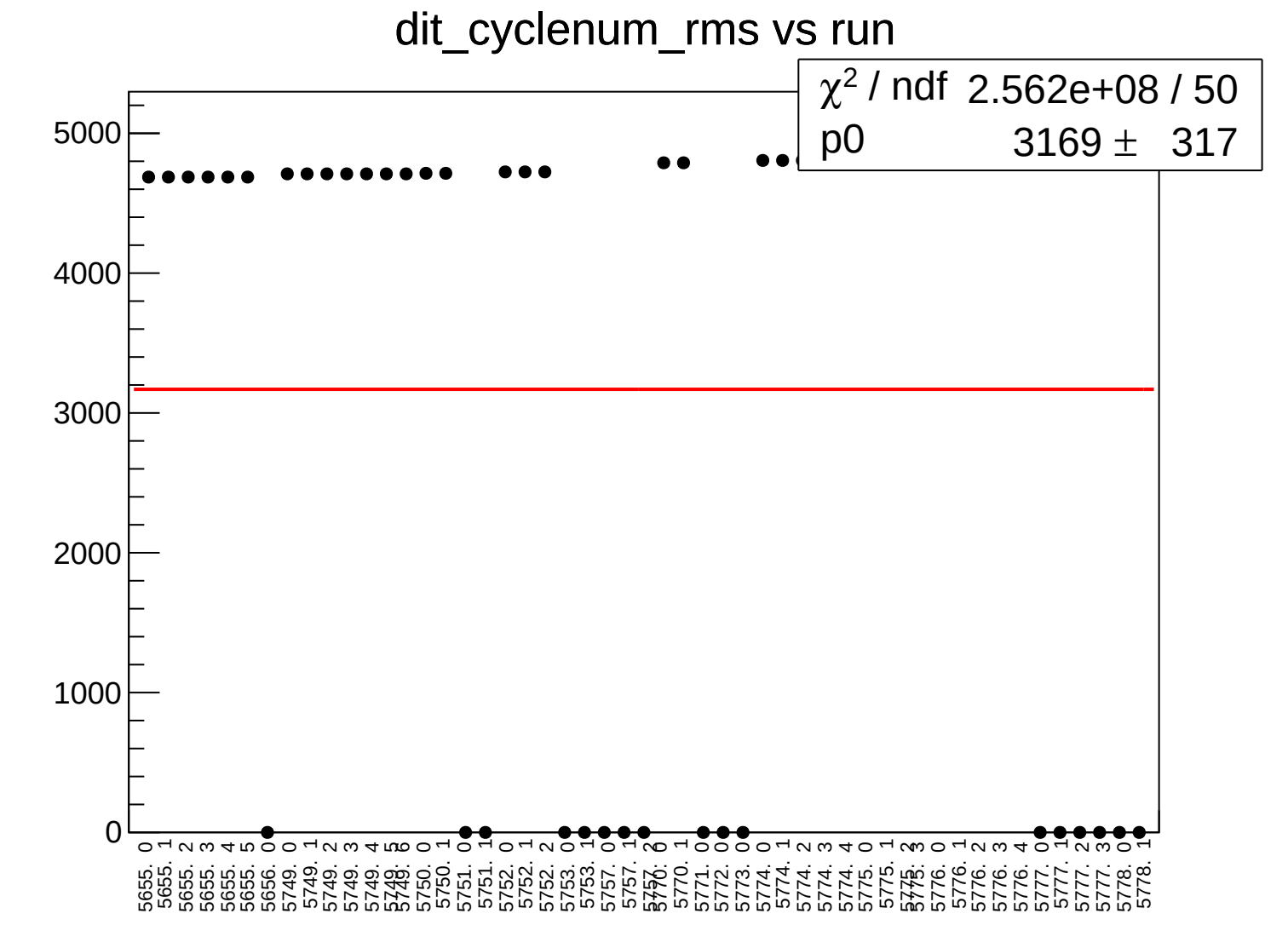

dit_run_rms vs run
χ² / ndf 3.741e+08 / 50
p0 3830 ± 383
6000
5000
4000
3000
2000
1000
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

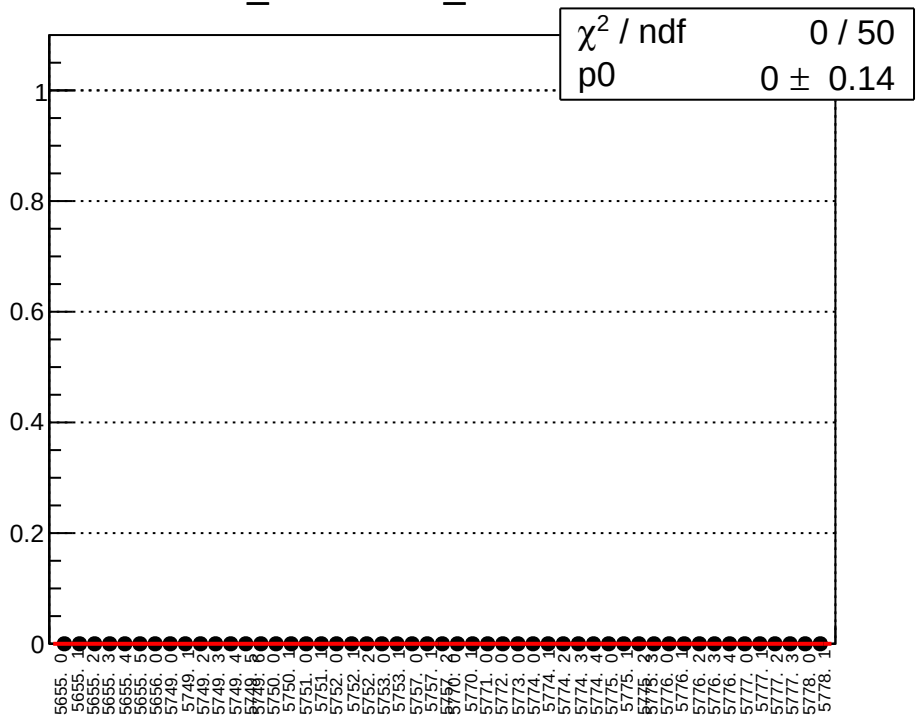

dit_slug_slope vs run
χ² / ndf 4.12e−26 / 50
p0 109 ± 4.019e−15
110
109.8
109.6
109.4
109.2
109

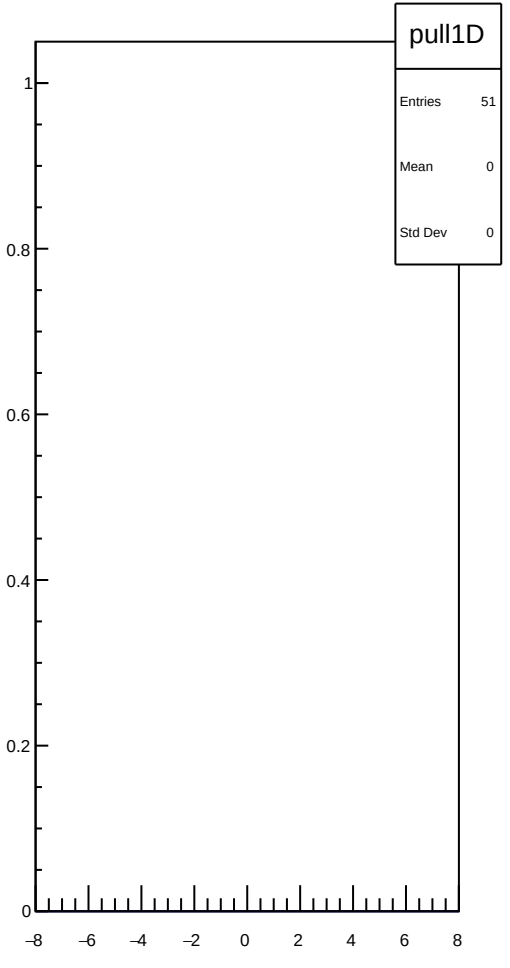

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

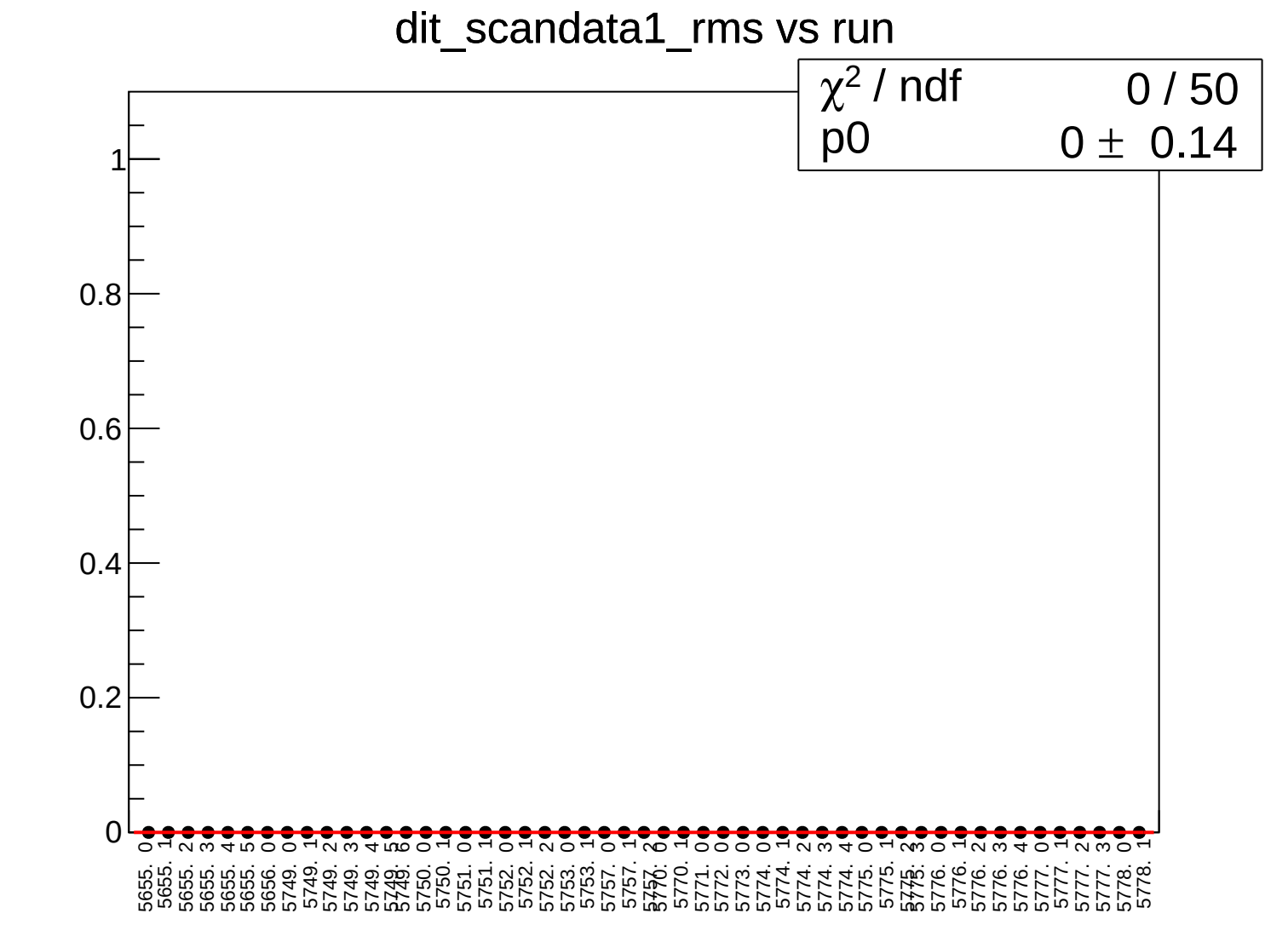

dit_cyclenum_mean vs run
χ² / ndf 2.562e+08 / 50
p0 3169 ± 317
5000
4000
3000
2000
1000
0

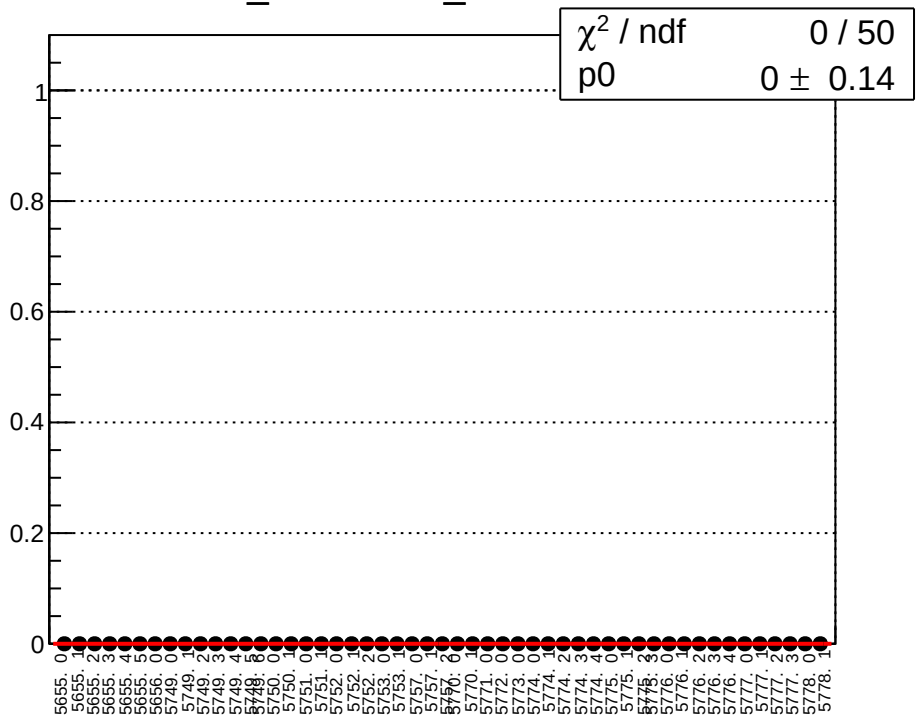

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

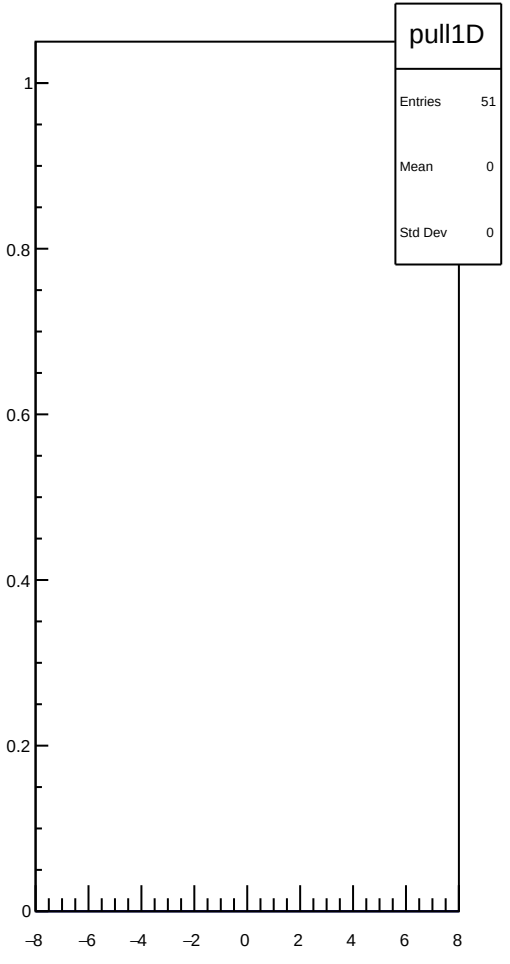

dit_cyclenum_rms vs run
χ² / ndf 2.562e+08 / 50
p0 3169 ± 317
5000
4000
3000
2000
1000
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

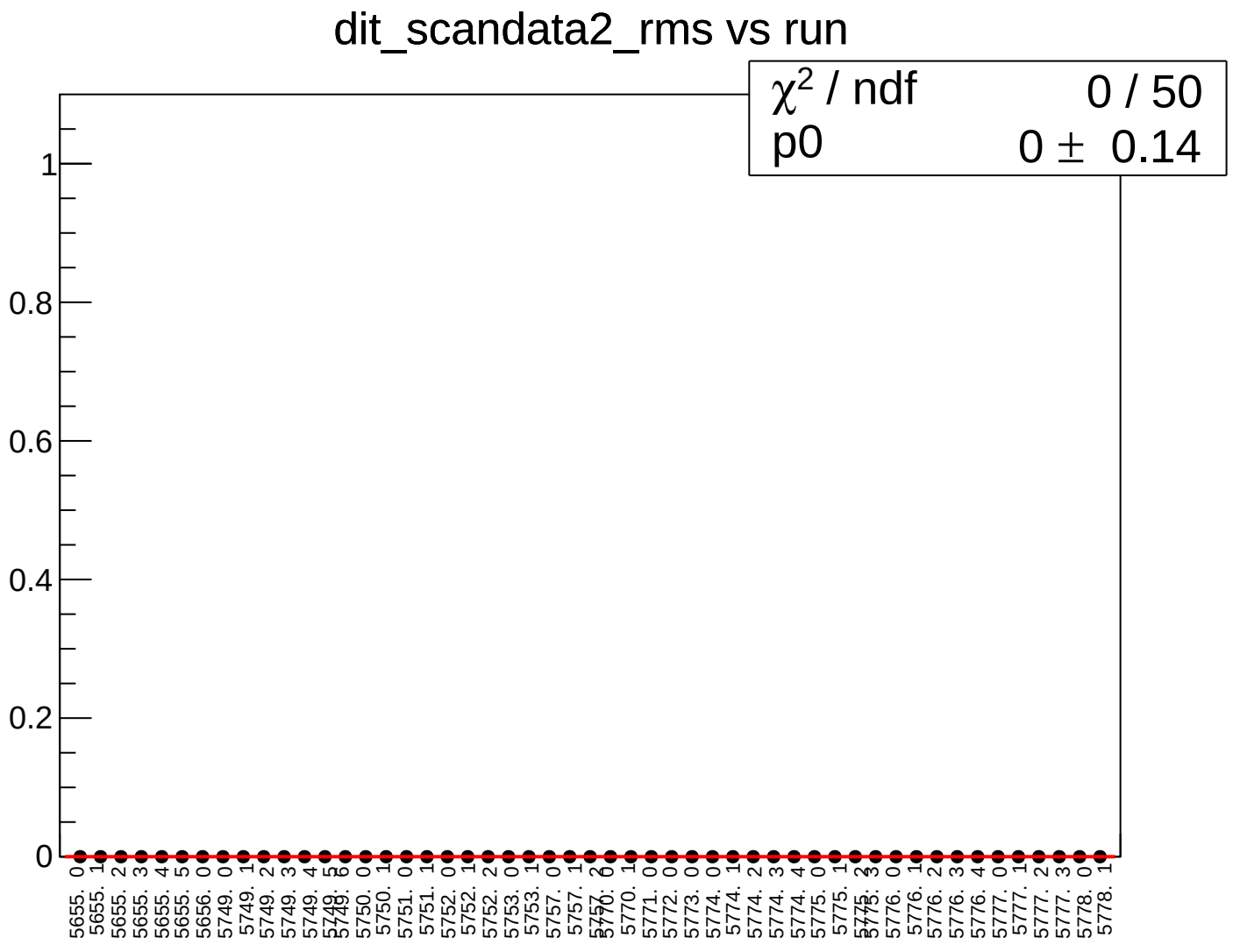

dit_scandata1_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0

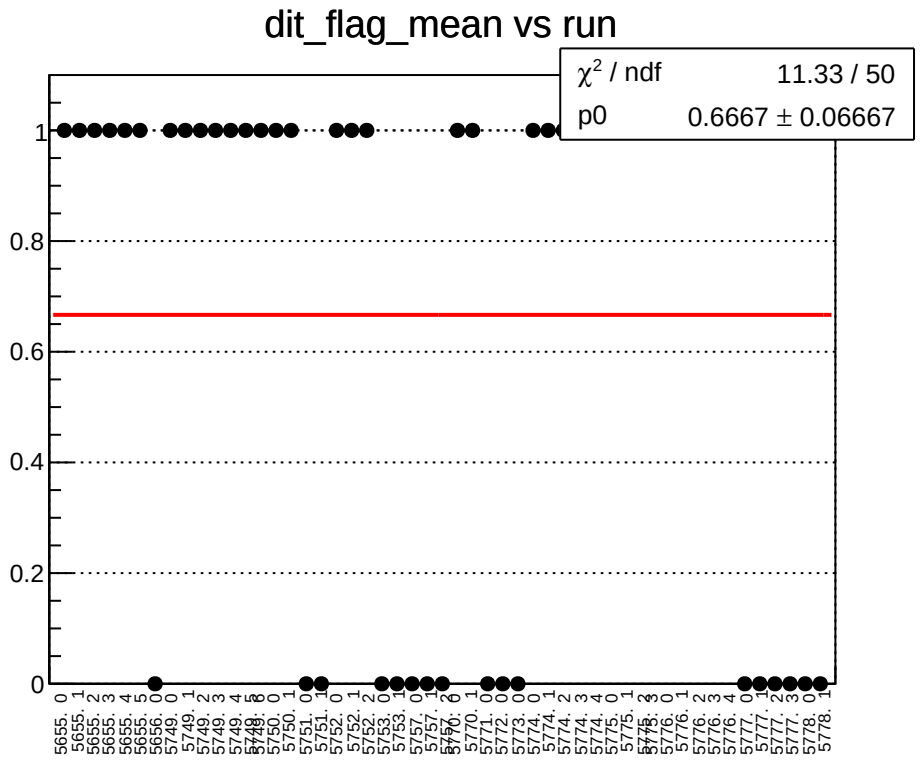

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

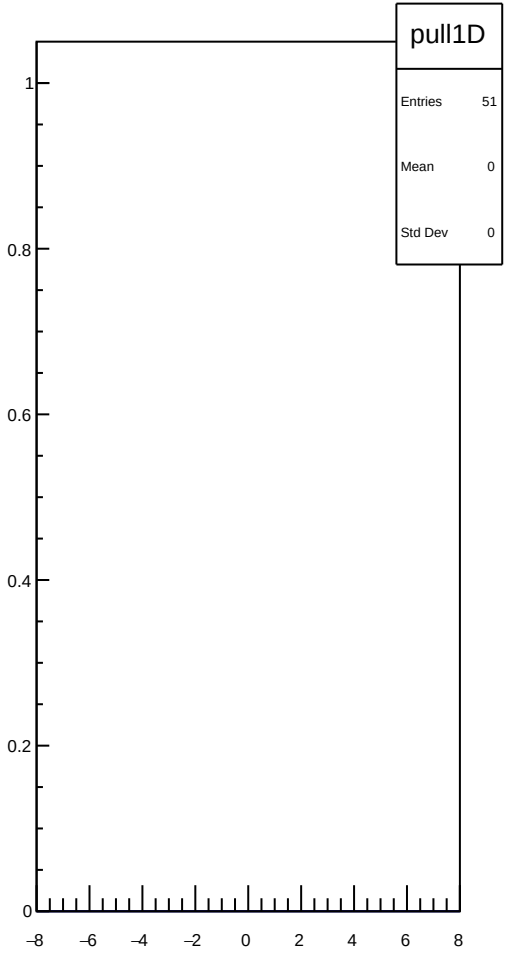

dit_scandata1_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5772. 1
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

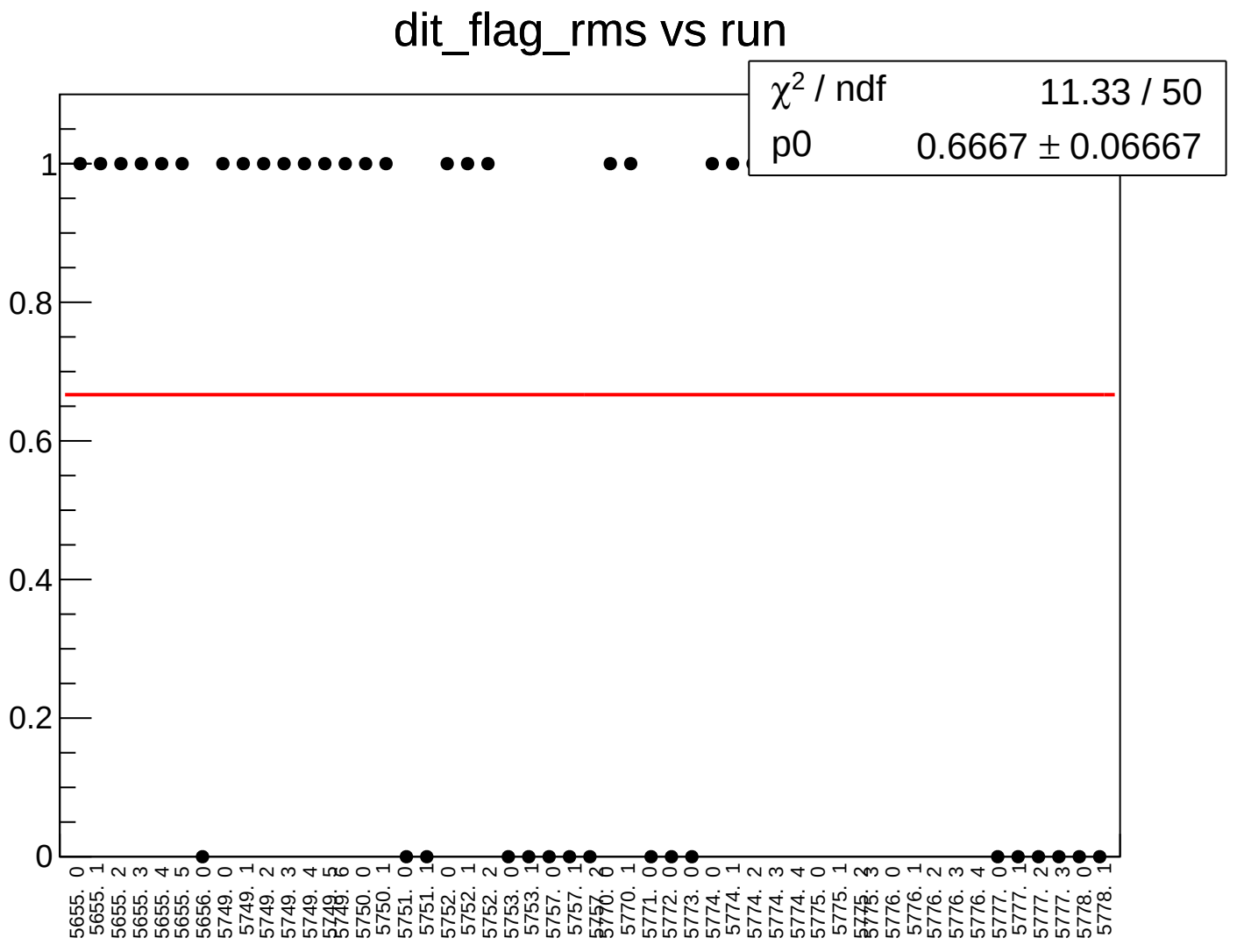

dit_scandata2_mean vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

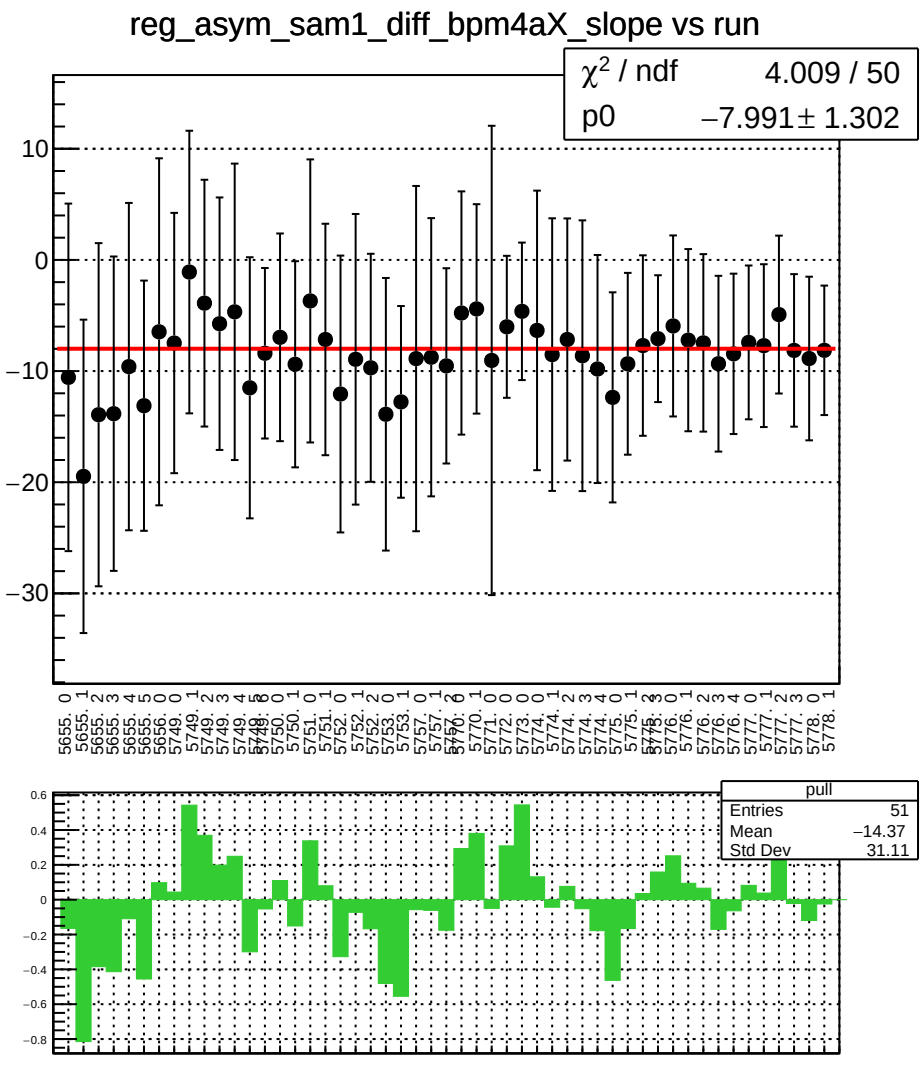

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

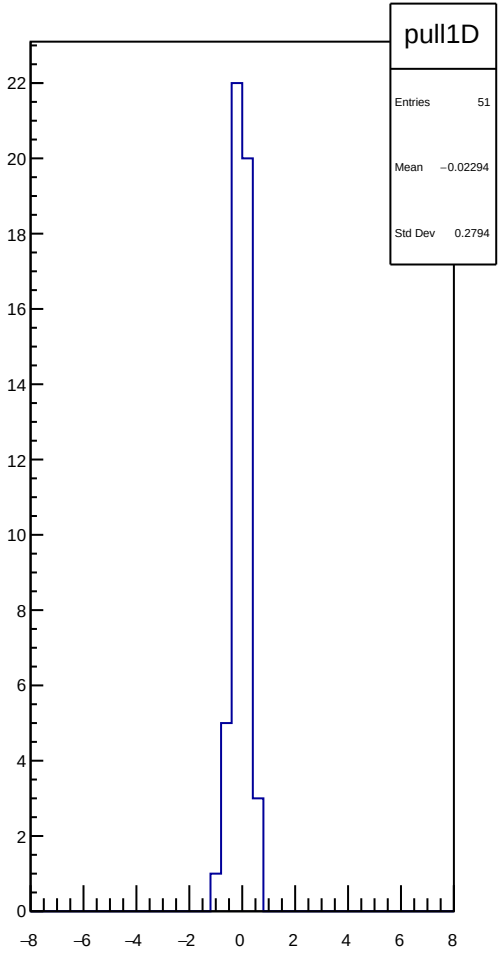

dit_scandata2_rms vs run
χ² / ndf 0 / 50
p0 0 ± 0.14
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5775. 2
5775. 3
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

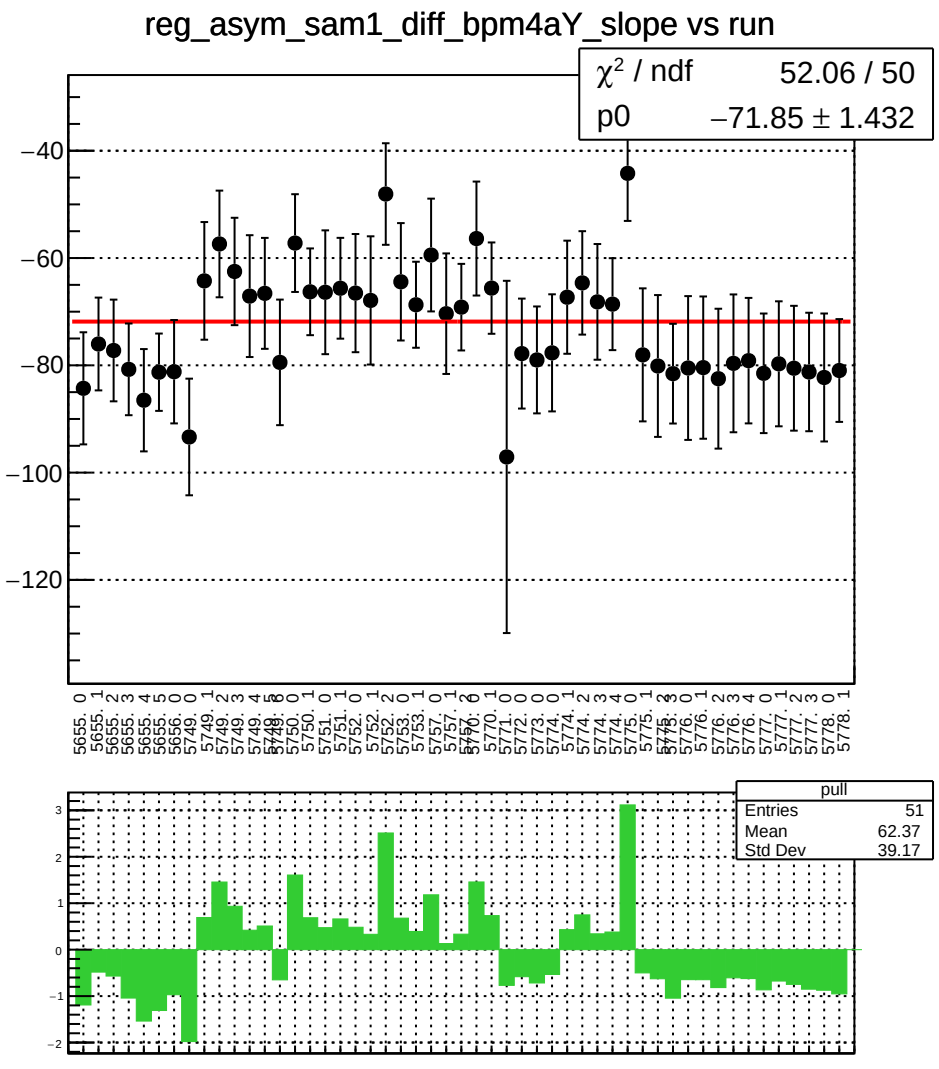

dit_flag_mean vs run
χ² / ndf 11.33 / 50
p0 0.6667 ± 0.06667
1
0.8
0.6
0.4
0.2
0

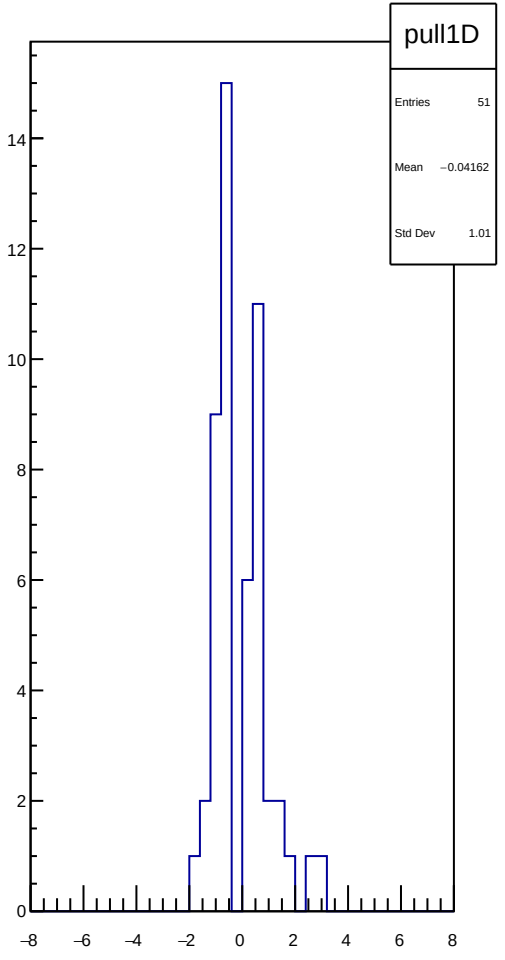

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

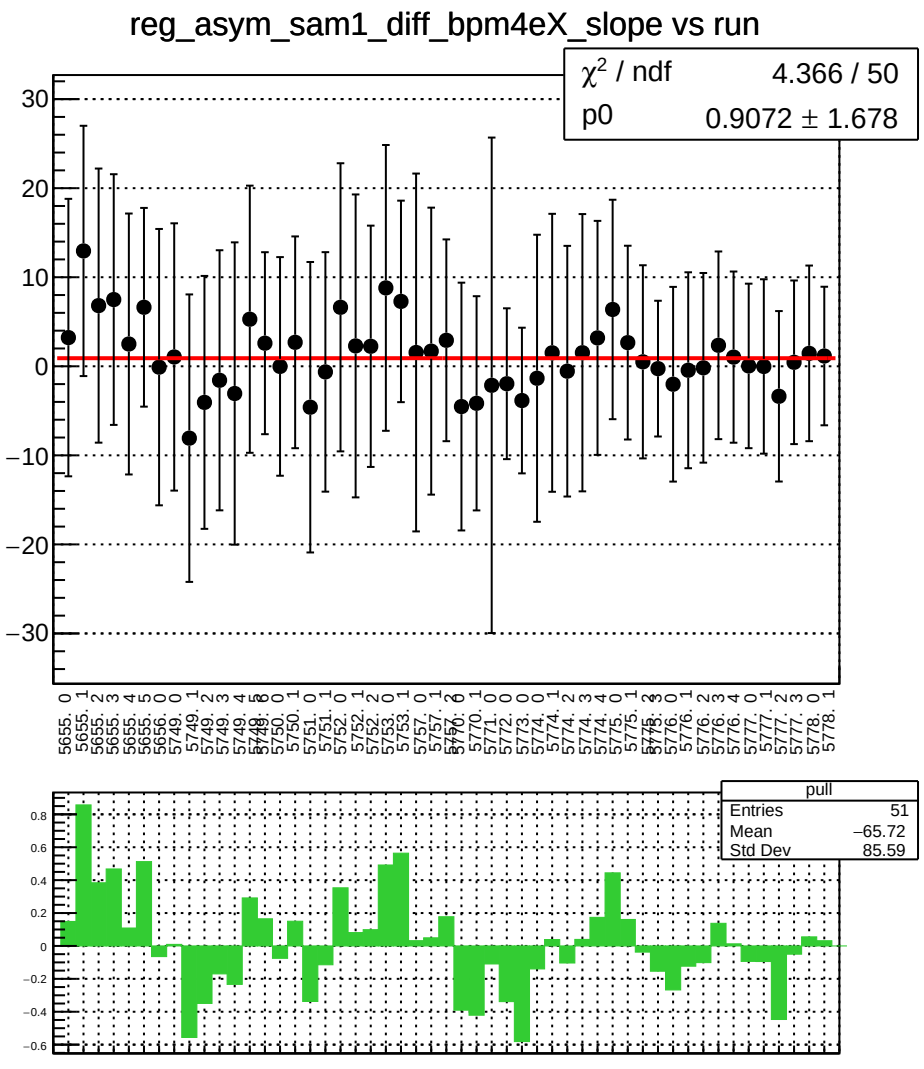

dit_flag_rms vs run
χ^2 / ndf 11.33 / 50
p0 0.6667 ± 0.06667
1
0.8
0.6
0.4
0.2
0
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 0
5772. 0
5773. 0
5774. 0
5774. 1
5774. 2
5774. 3
5774. 4
5775. 0
5775. 1
5776. 0
5776. 1
5776. 2
5776. 3
5776. 4
5777. 0
5777. 1
5777. 2
5777. 3
5778. 0
5778. 1

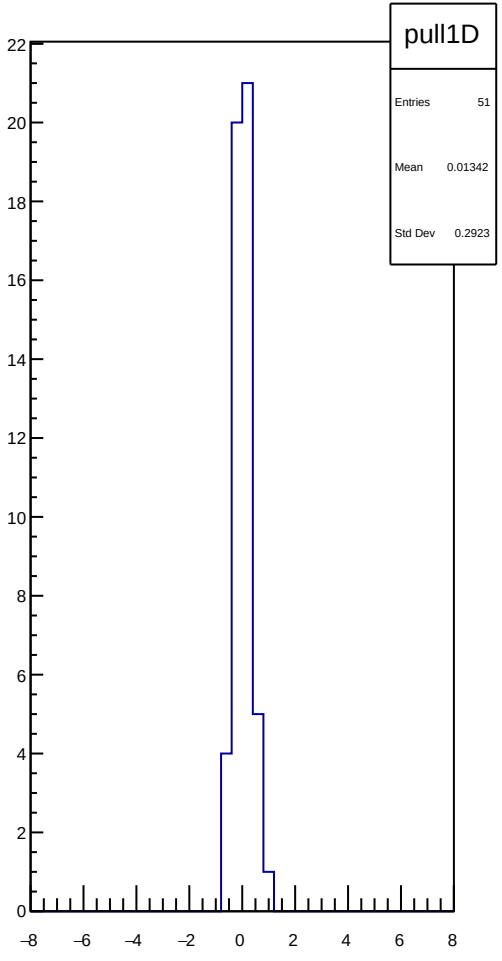

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 4.009 / 50
p0 −7.991 ± 1.302
pull
Entries 51
Mean −14.37
Std Dev 31.11

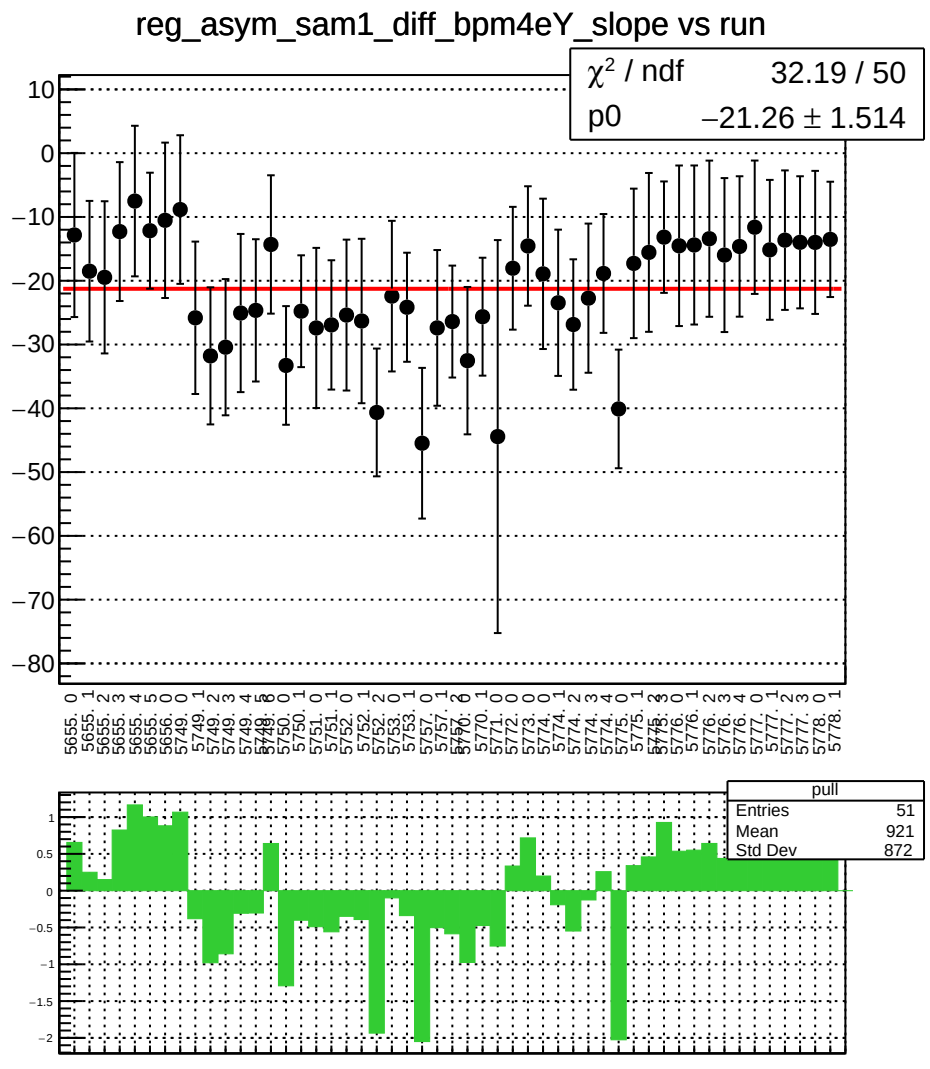

pull1D
Entries 51
Mean −0.02294
Std Dev 0.2794

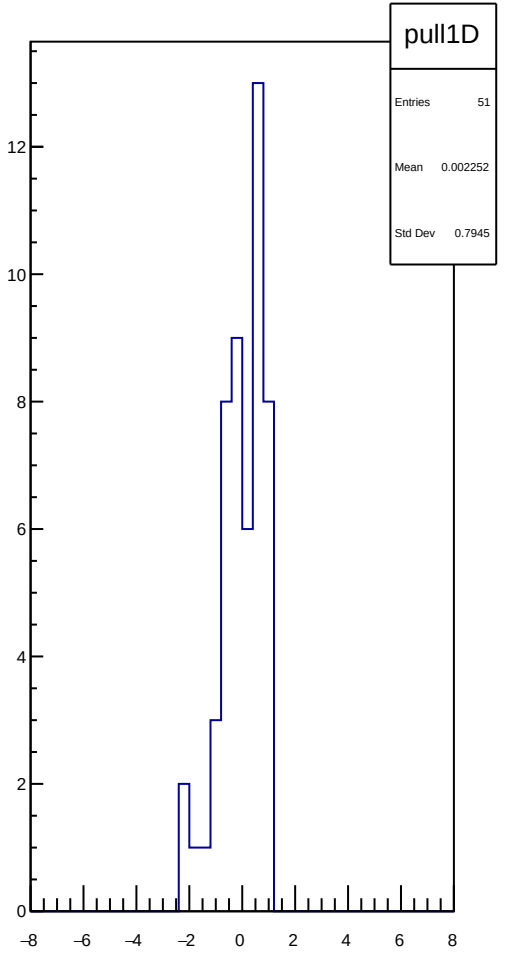

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 52.06 / 50
p0 −71.85 ± 1.432
pull
Entries 51
Mean 62.37
Std Dev 39.17

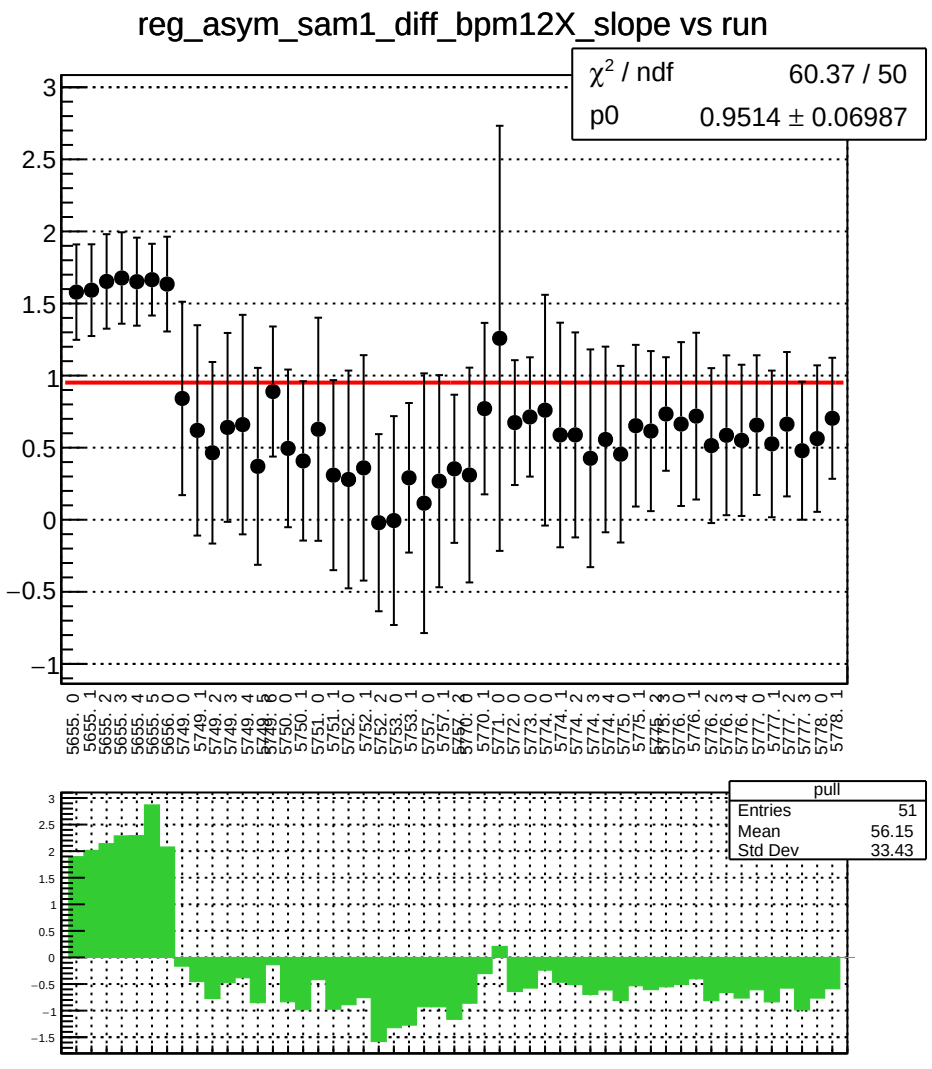

pull1D
Entries 51
Mean −0.04162
Std Dev 1.01

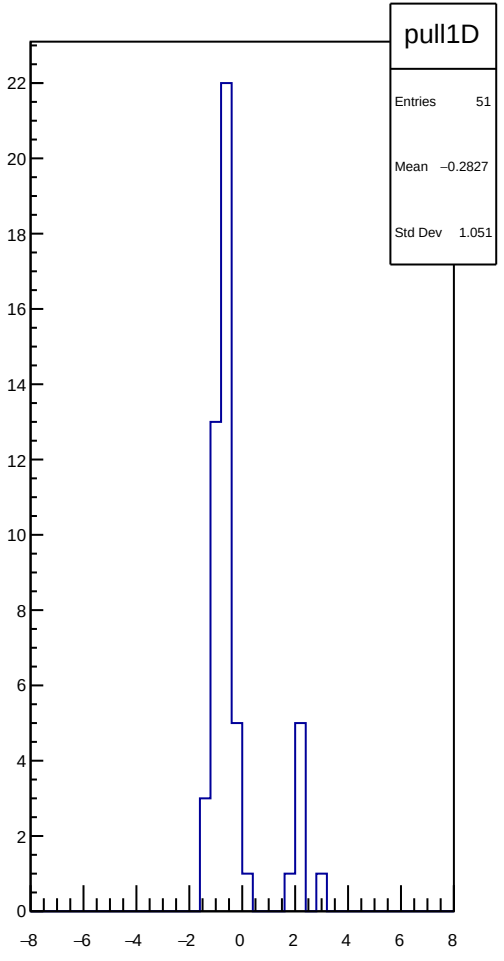

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.366 / 50
p0 0.9072 ± 1.678
pull
Entries 51
Mean −65.72
Std Dev 85.59

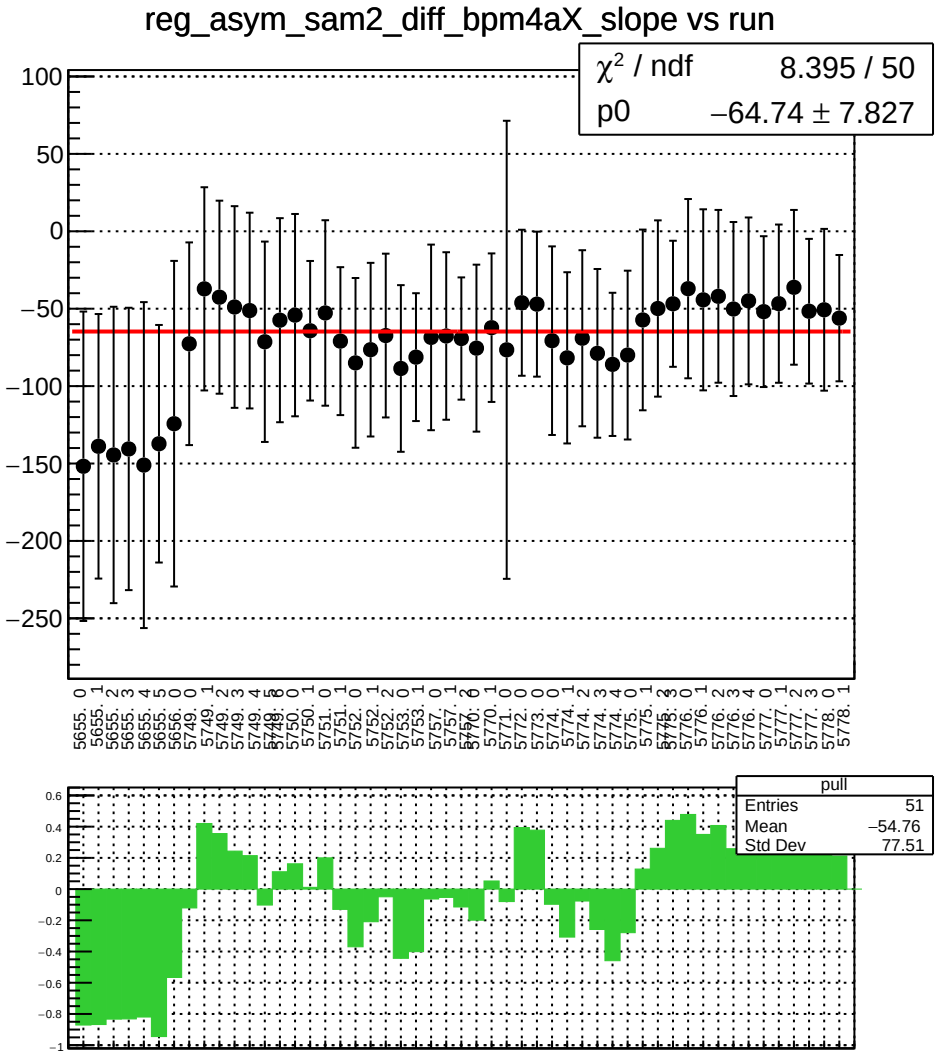

pull1D
Entries 51
Mean 0.01342
Std Dev 0.2923

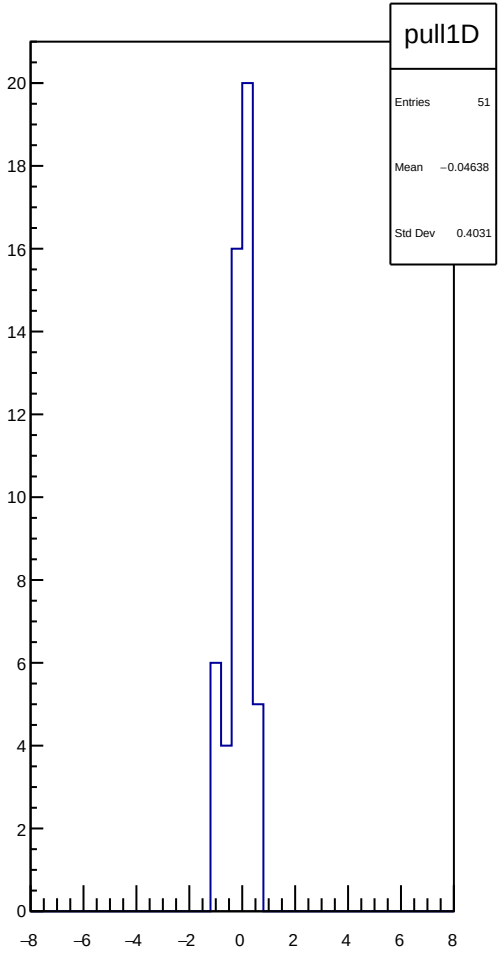

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 32.19 / 50
p0 −21.26 ± 1.514
pull
Entries 51
Mean 921
Std Dev 872

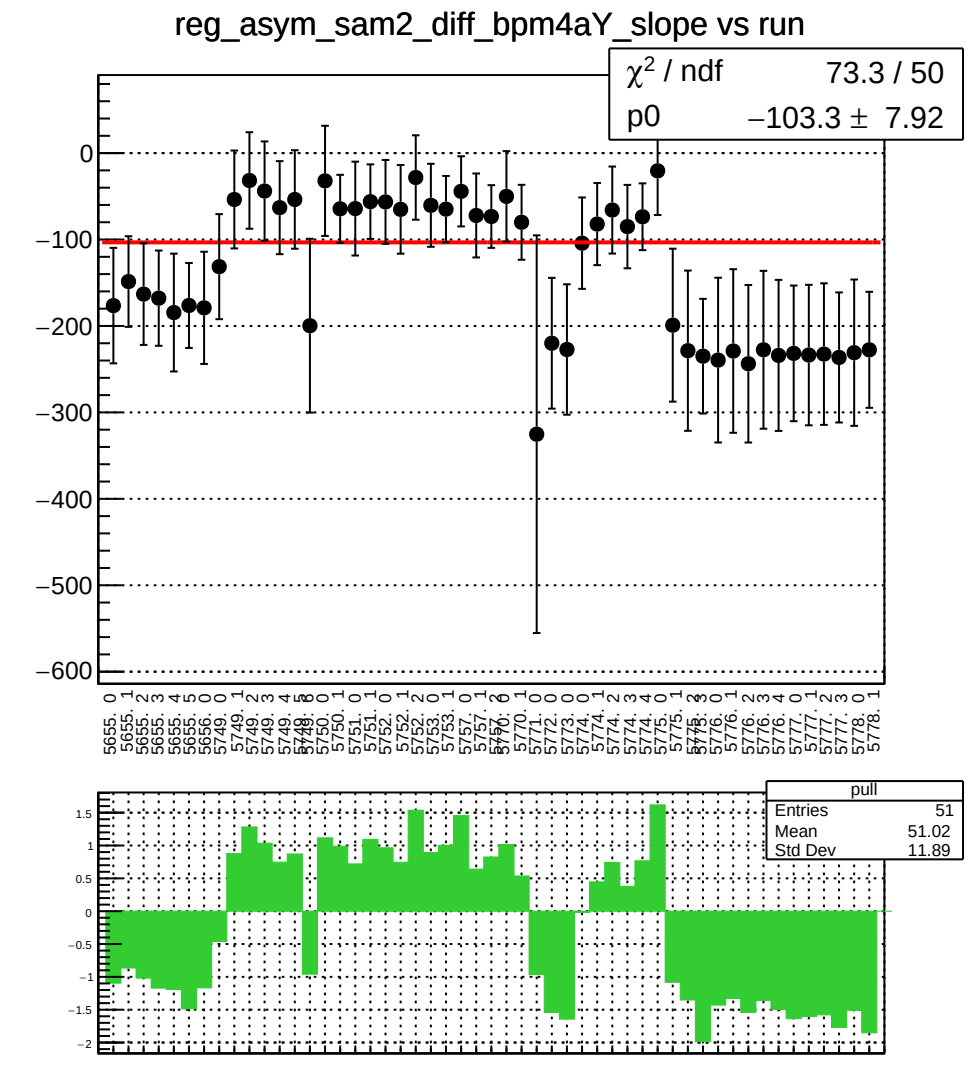

pull1D
Entries 51
Mean 0.002252
Std Dev 0.7945

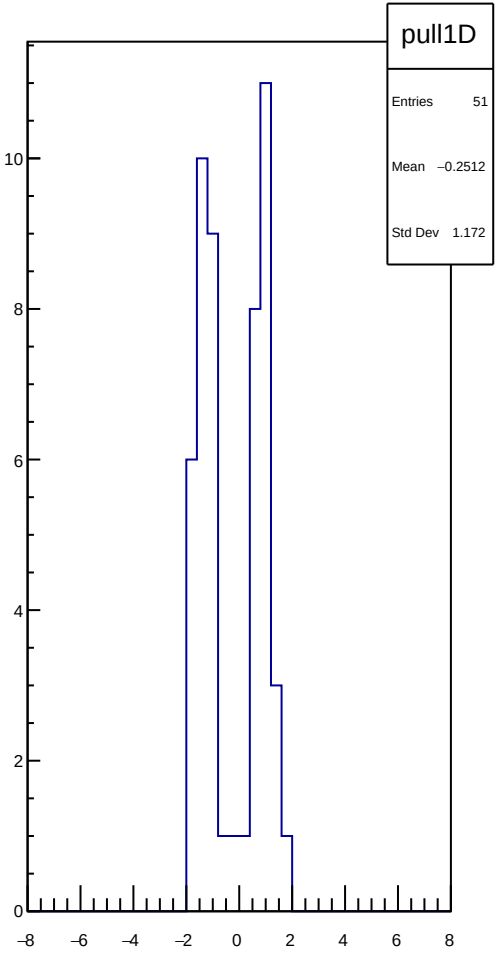

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 60.37 / 50
p0 0.9514 ± 0.06987
pull
Entries 51
Mean 56.15
Std Dev 33.43

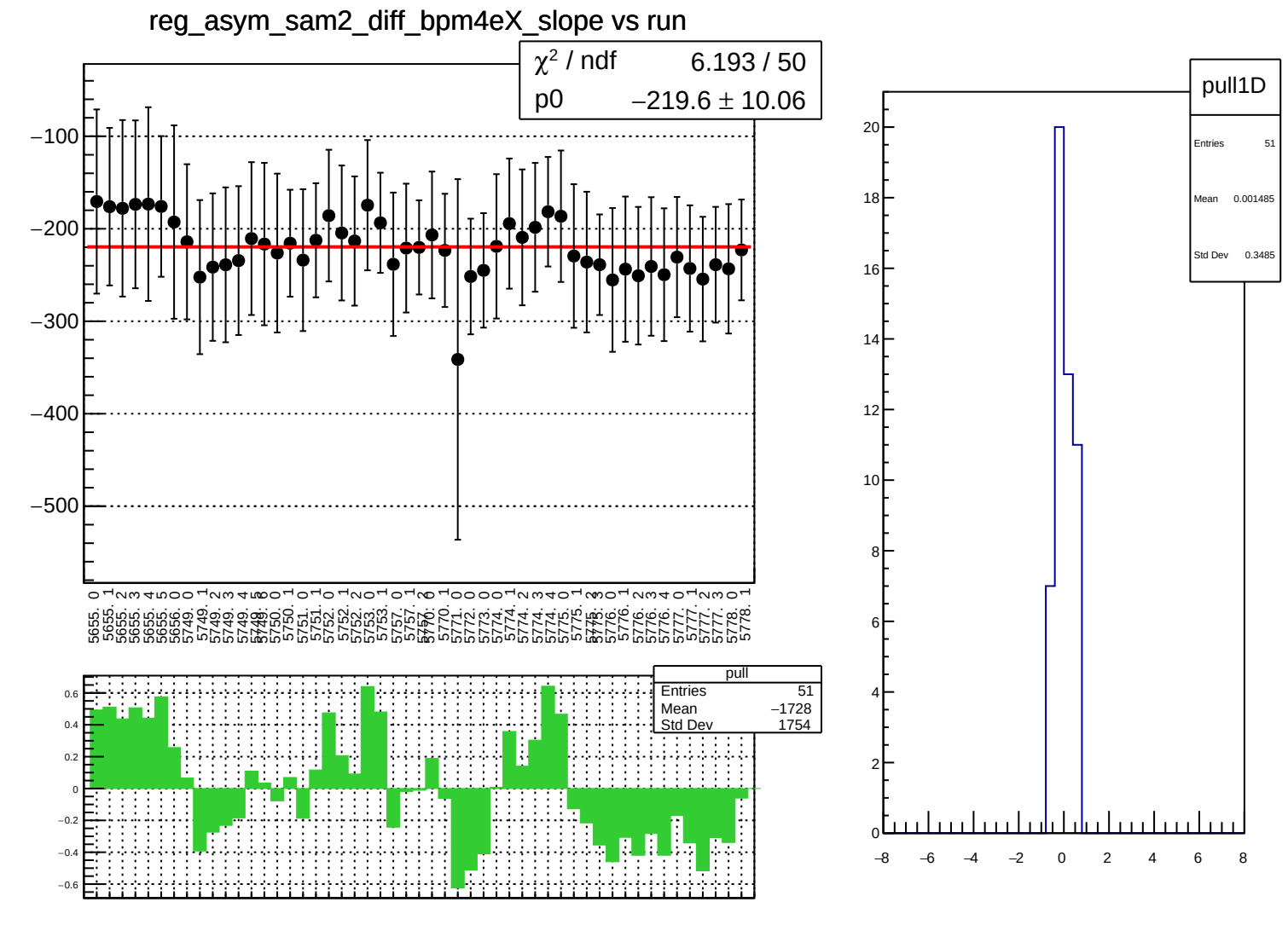

pull1D
Entries 51
Mean −0.2827
Std Dev 1.051

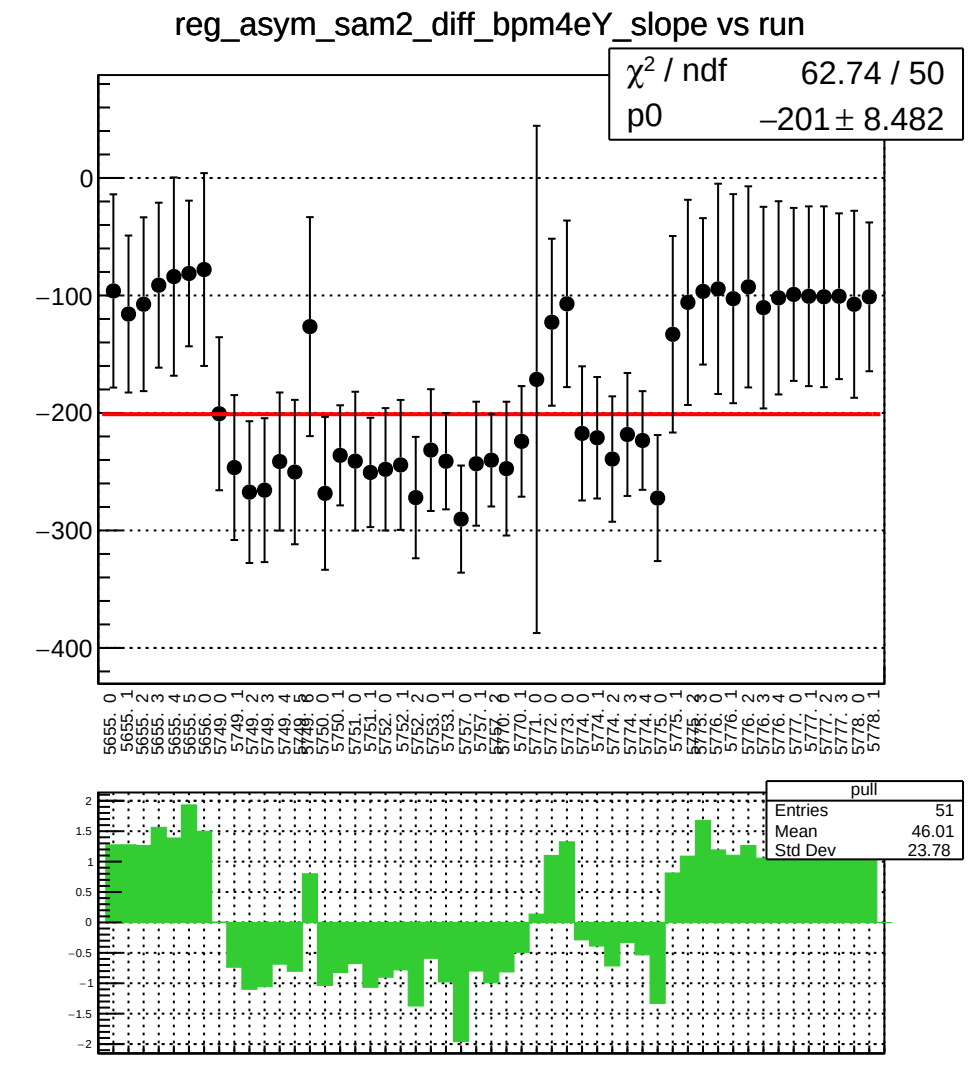

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 8.395 / 50
p0 −64.74 ± 7.827
pull
Entries 51
Mean −54.76
Std Dev 77.51

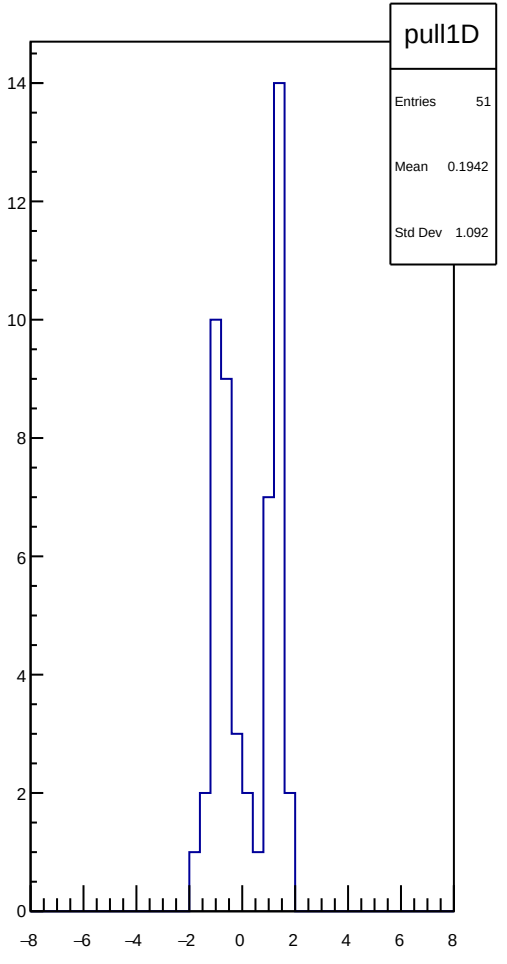

pull1D
Entries 51
Mean −0.04638
Std Dev 0.4031

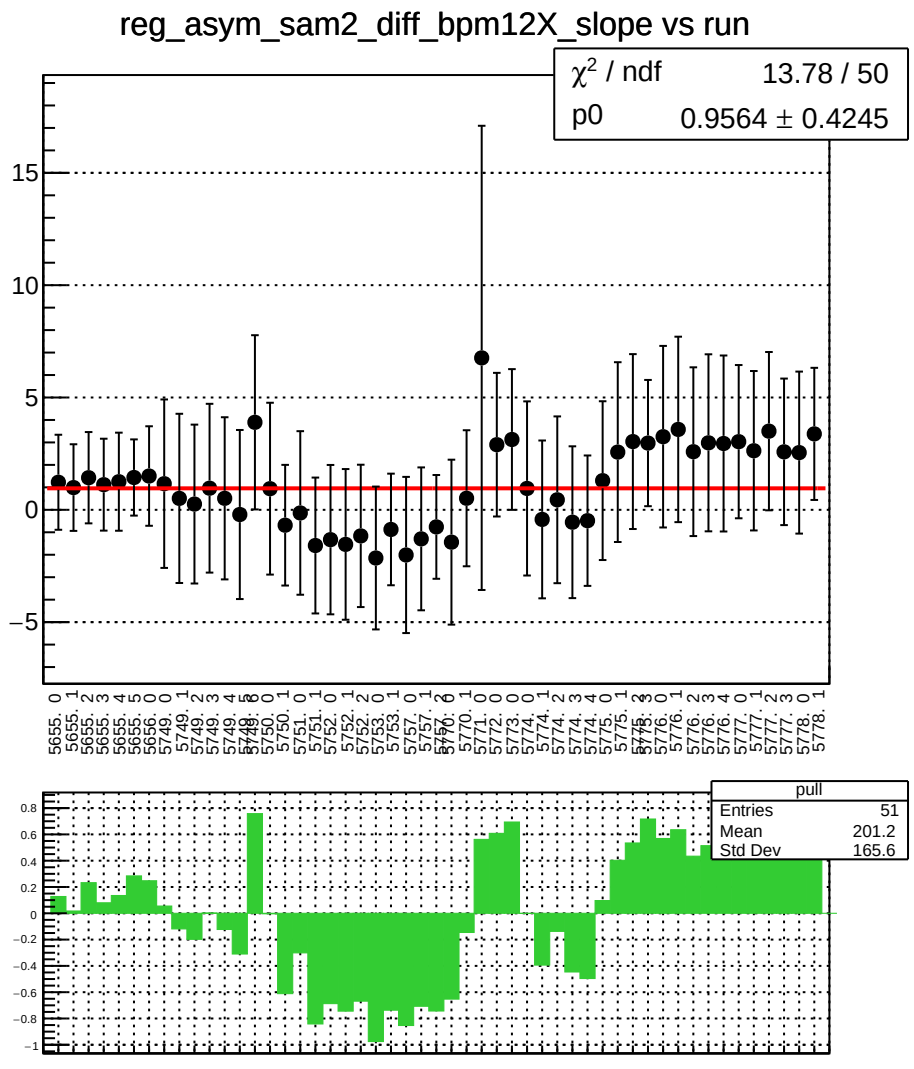

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 73.3 / 50
p0 −103.3 ± 7.92
pull
Entries 51
Mean 51.02
Std Dev 11.89

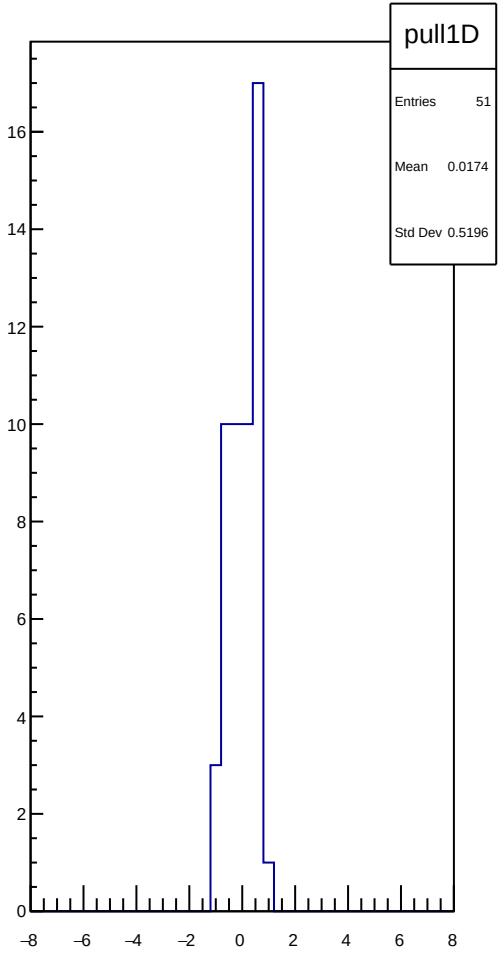

pull1D
Entries 51
Mean −0.2512
Std Dev 1.172

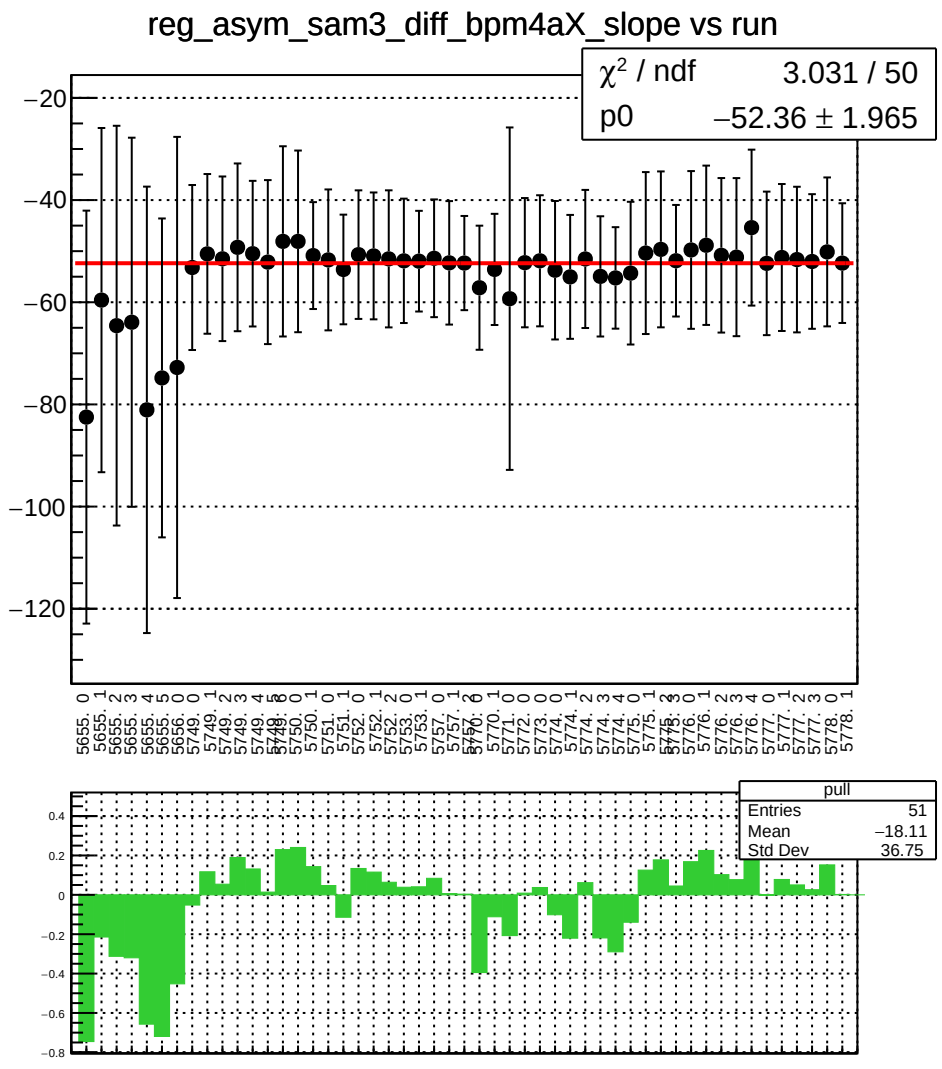

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.193 / 50
p0 −219.6 ± 10.06
pull
Entries 51
Mean −1728
Std Dev 1754
pull1D
Entries 51
Mean 0.001485
Std Dev 0.3485

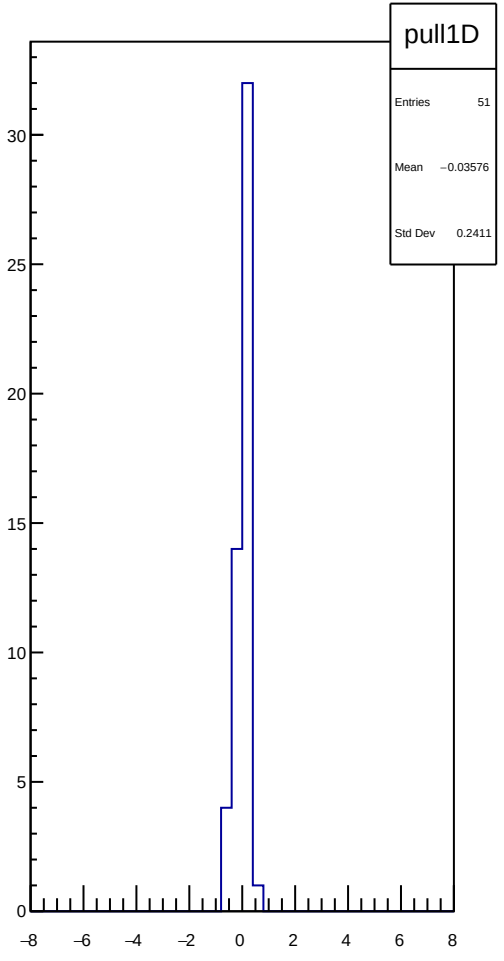

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 62.74 / 50
p0 −201 ± 8.482
0
−100
−200
−300
−400
pull
Entries 51
Mean 46.01
Std Dev 23.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

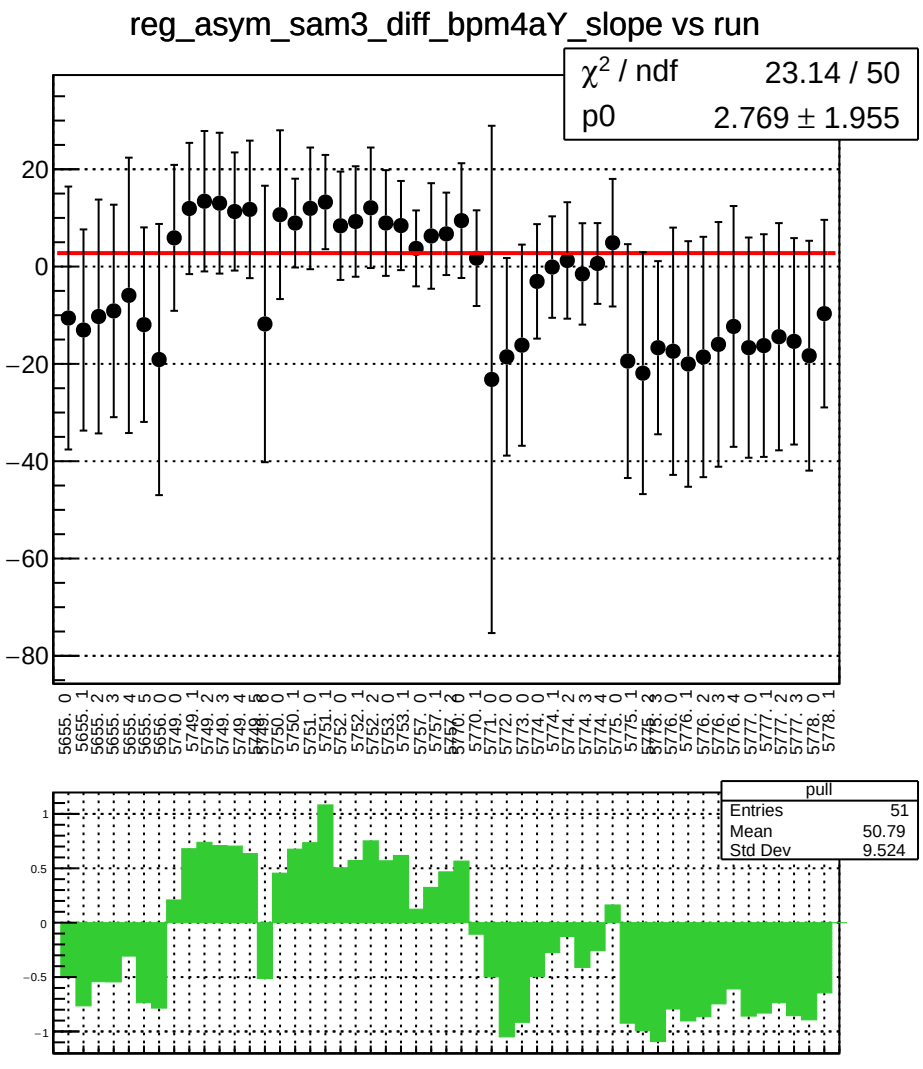

pull1D
Entries 51
Mean 0.1942
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

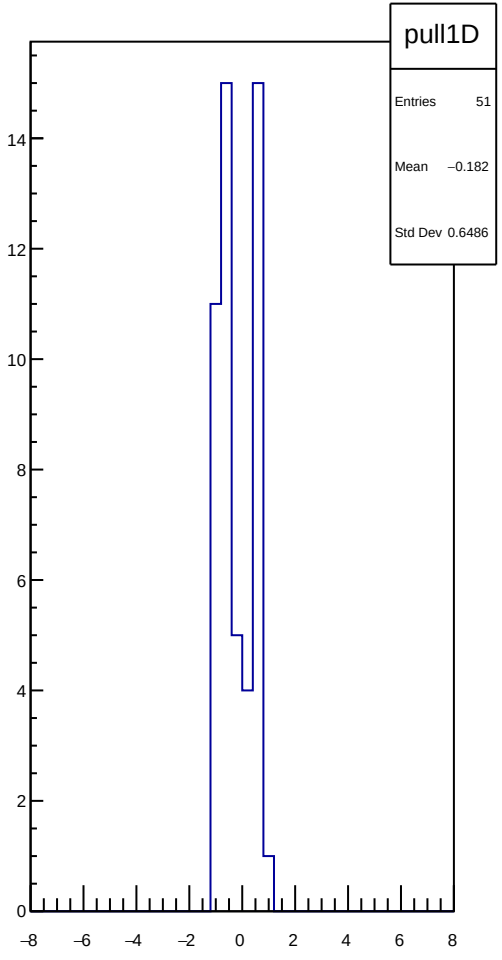

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 13.78 / 50
p0 0.9564 ± 0.4245
pull
Entries 51
Mean 201.2
Std Dev 165.6

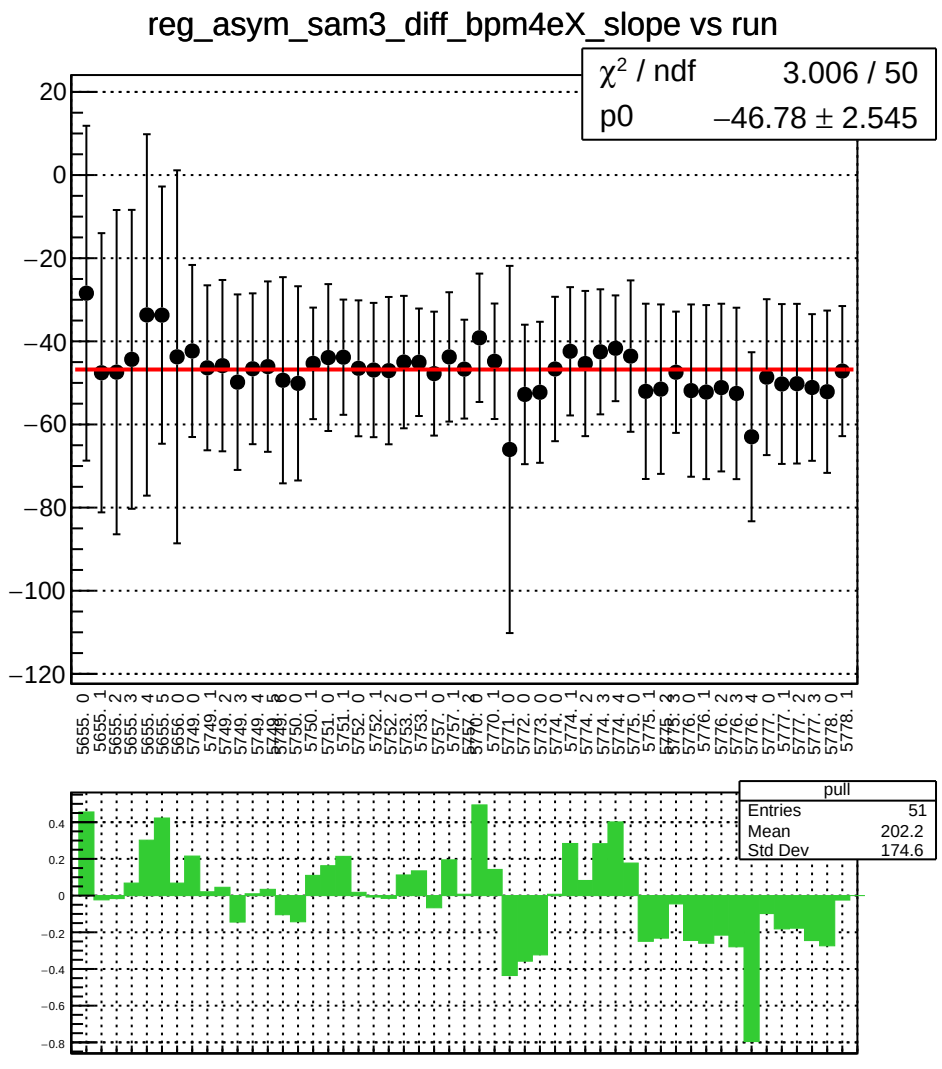

pull1D
Entries 51
Mean 0.0174
Std Dev 0.5196

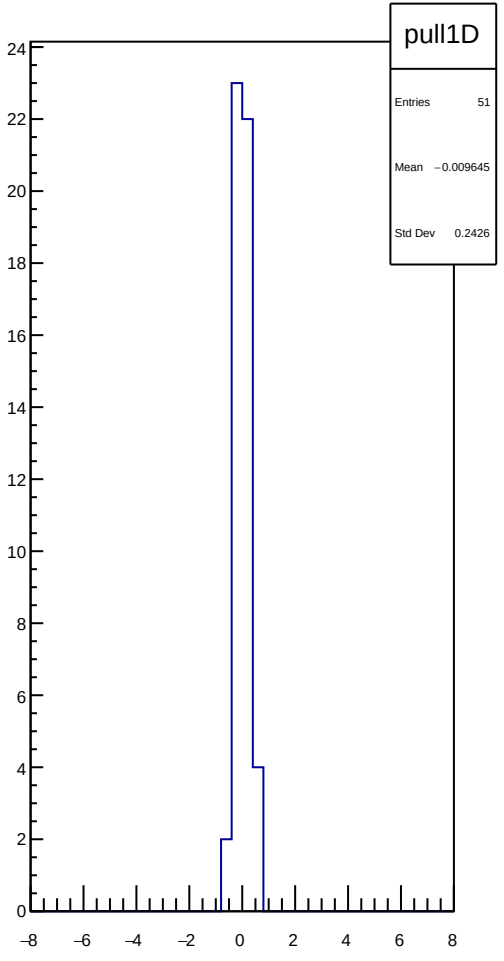

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.031 / 50
p0 −52.36 ± 1.965
pull
Entries 51
Mean −18.11
Std Dev 36.75

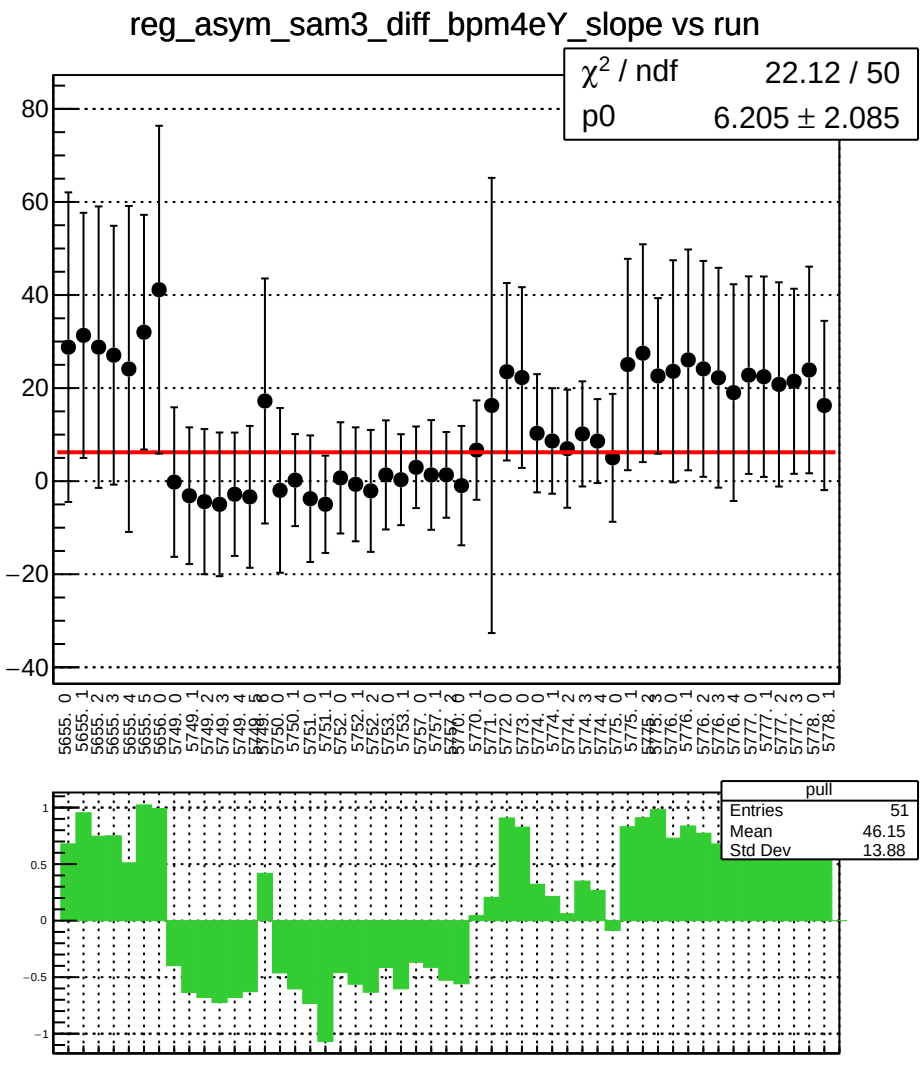

pull1D
Entries 51
Mean −0.03576
Std Dev 0.2411

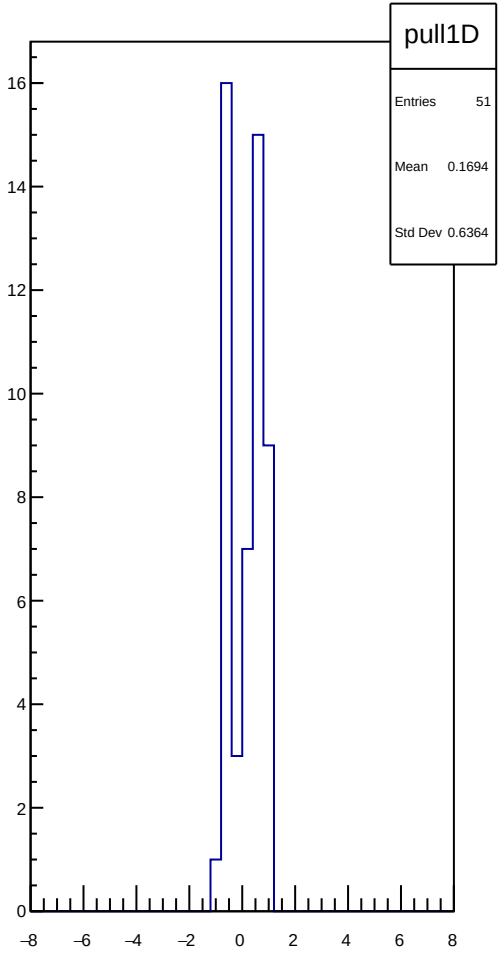

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 23.14 / 50
p0 2.769 ± 1.955
pull
Entries 51
Mean 50.79
Std Dev 9.524

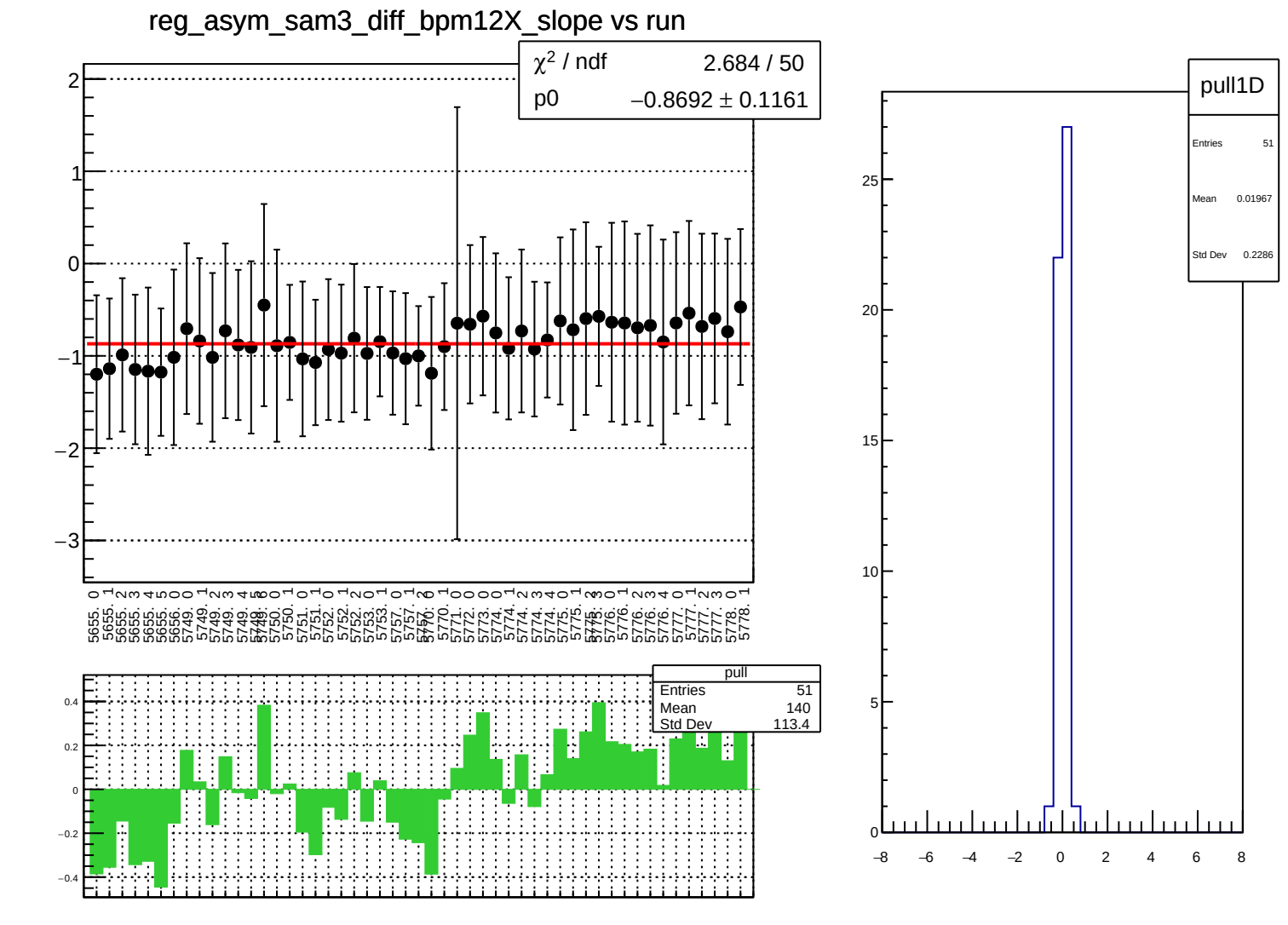

pull1D
Entries 51
Mean −0.182
Std Dev 0.6486

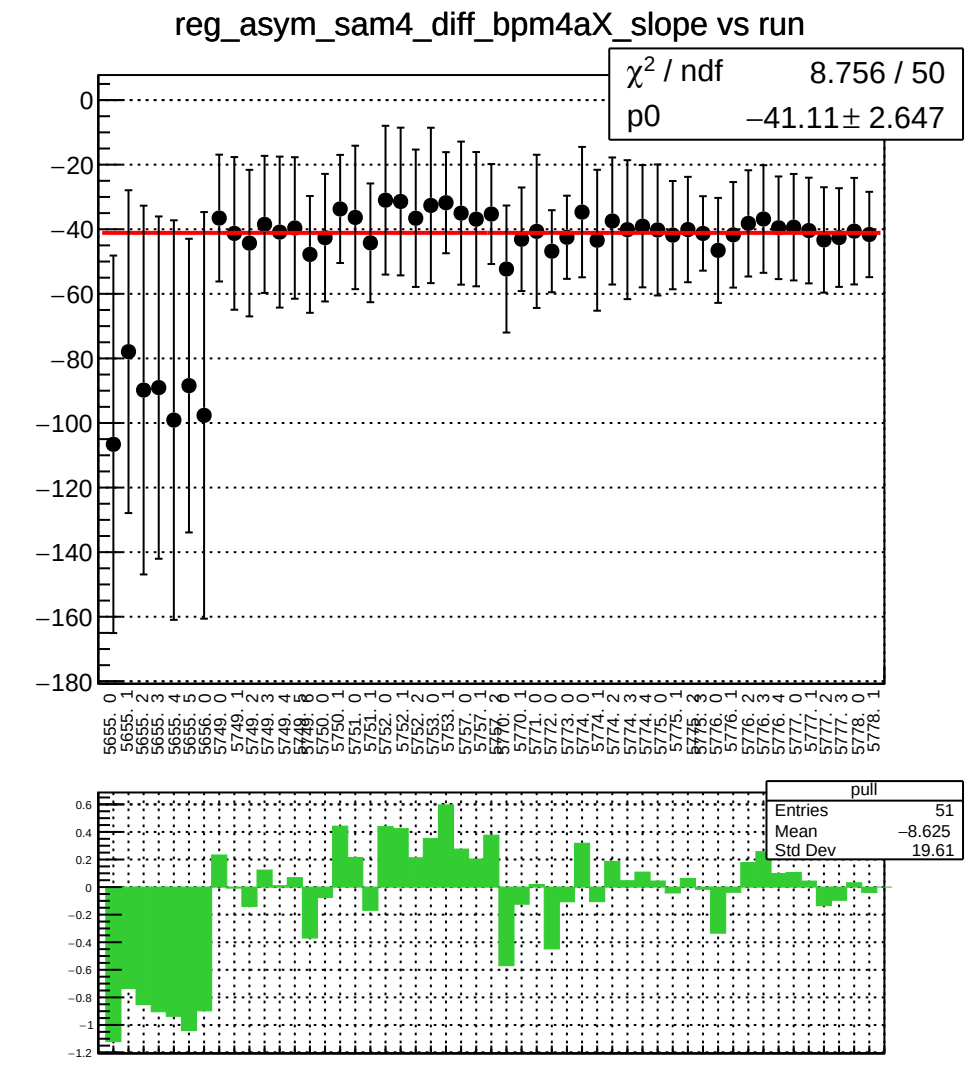

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.006 / 50
p0 −46.78 ± 2.545
pull
Entries 51
Mean 202.2
Std Dev 174.6

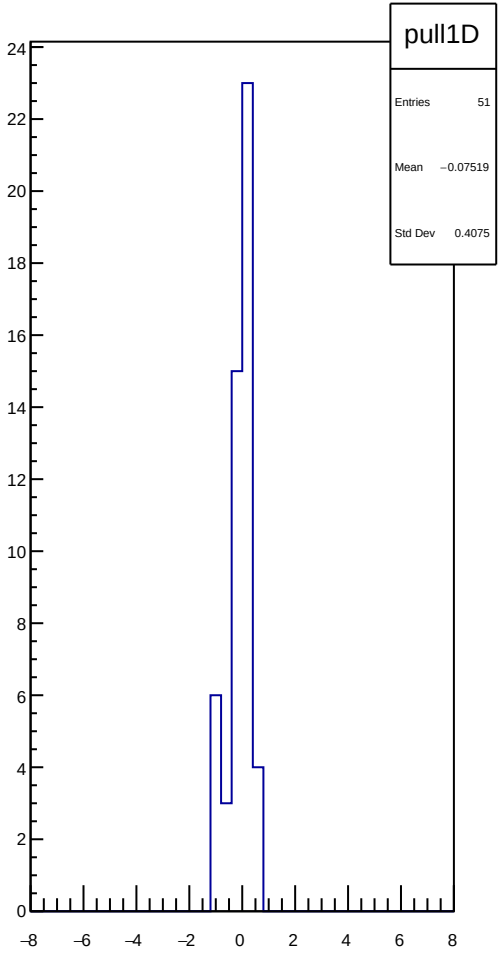

pull1D
Entries 51
Mean −0.009645
Std Dev 0.2426

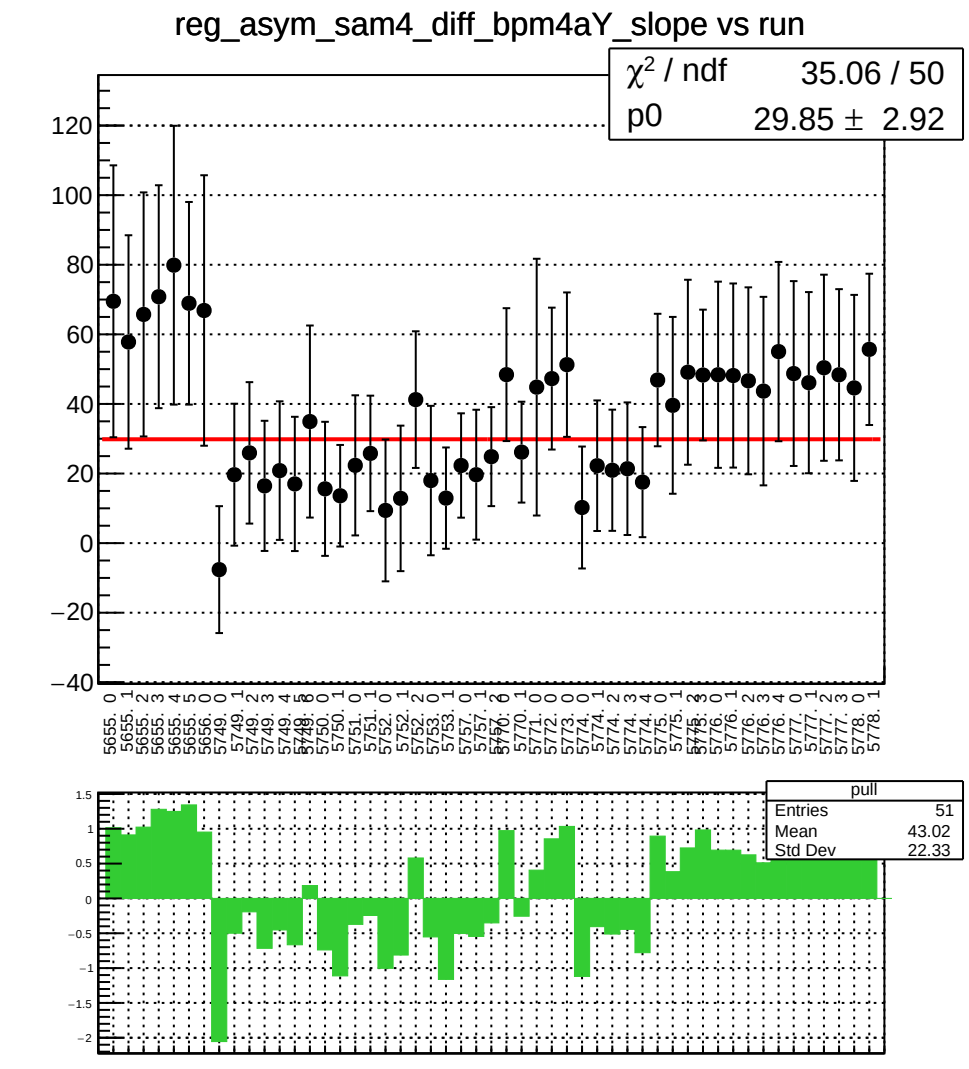

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 22.12 / 50
p0 6.205 ± 2.085
pull
Entries 51
Mean 46.15
Std Dev 13.88

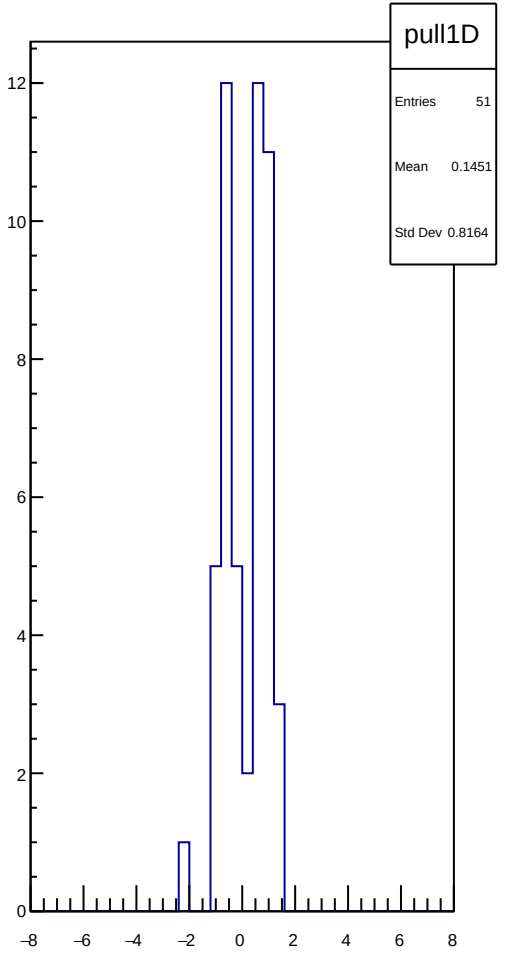

pull1D
Entries 51
Mean 0.1694
Std Dev 0.6364

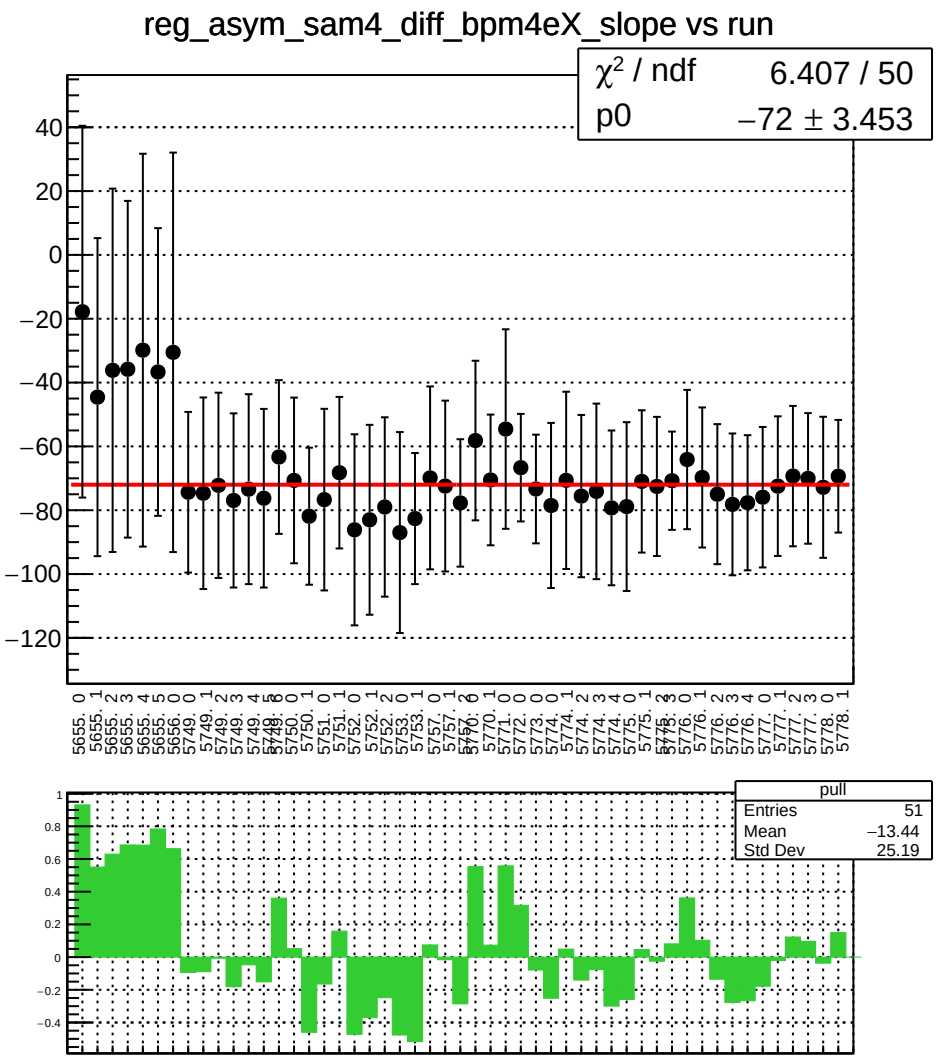

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.684 / 50
p0 −0.8692 ± 0.1161
pull
Entries 51
Mean 140
Std Dev 113.4
pull1D
Entries 51
Mean 0.01967
Std Dev 0.2286

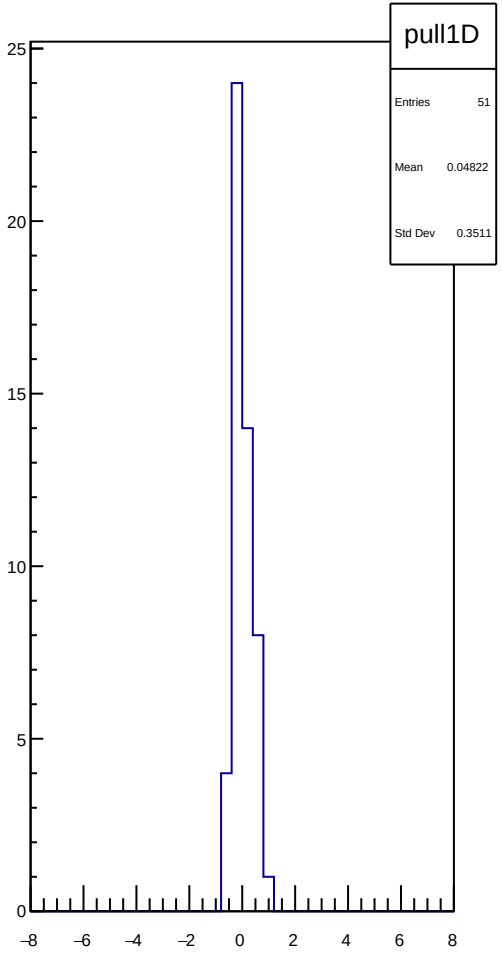

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 8.756 / 50
p0 −41.11 ± 2.647
pull
Entries 51
Mean −8.625
Std Dev 19.61

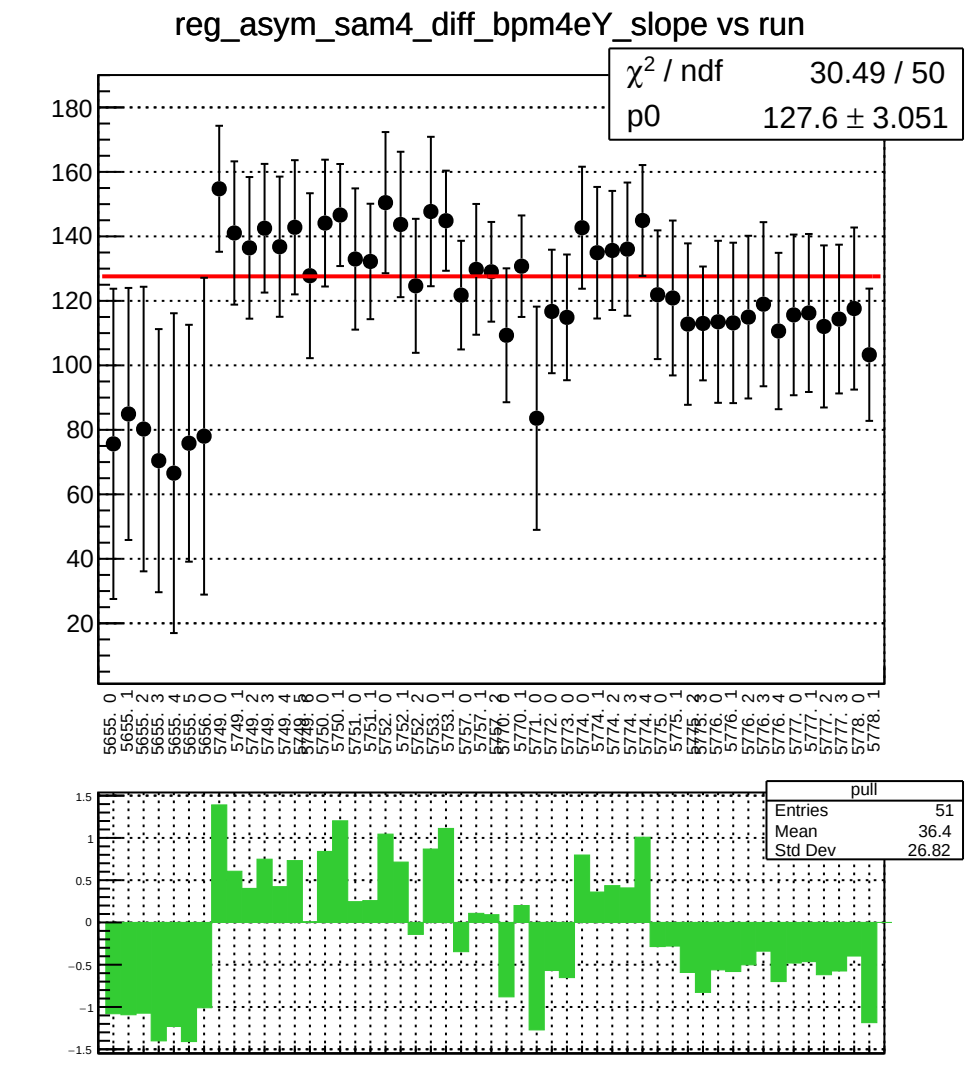

pull1D
Entries 51
Mean −0.07519
Std Dev 0.4075

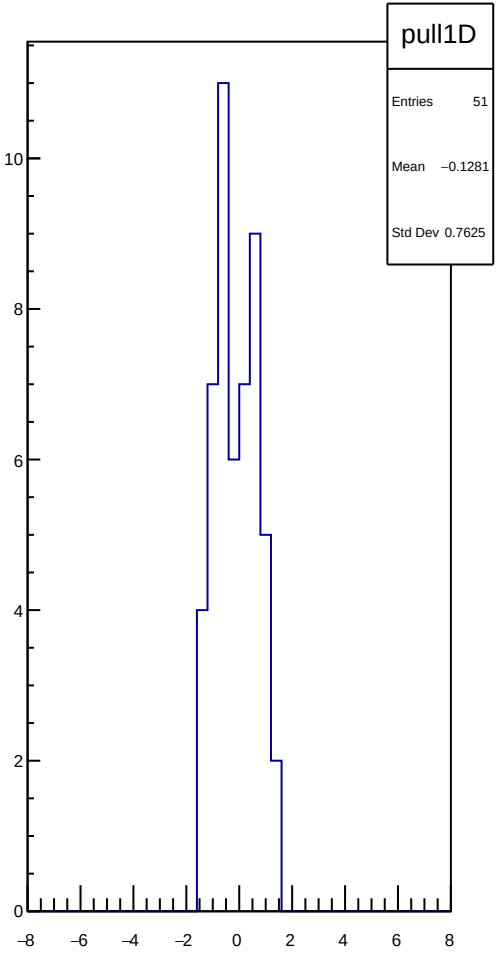

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 35.06 / 50
p0 29.85 ± 2.92
pull
Entries 51
Mean 43.02
Std Dev 22.33

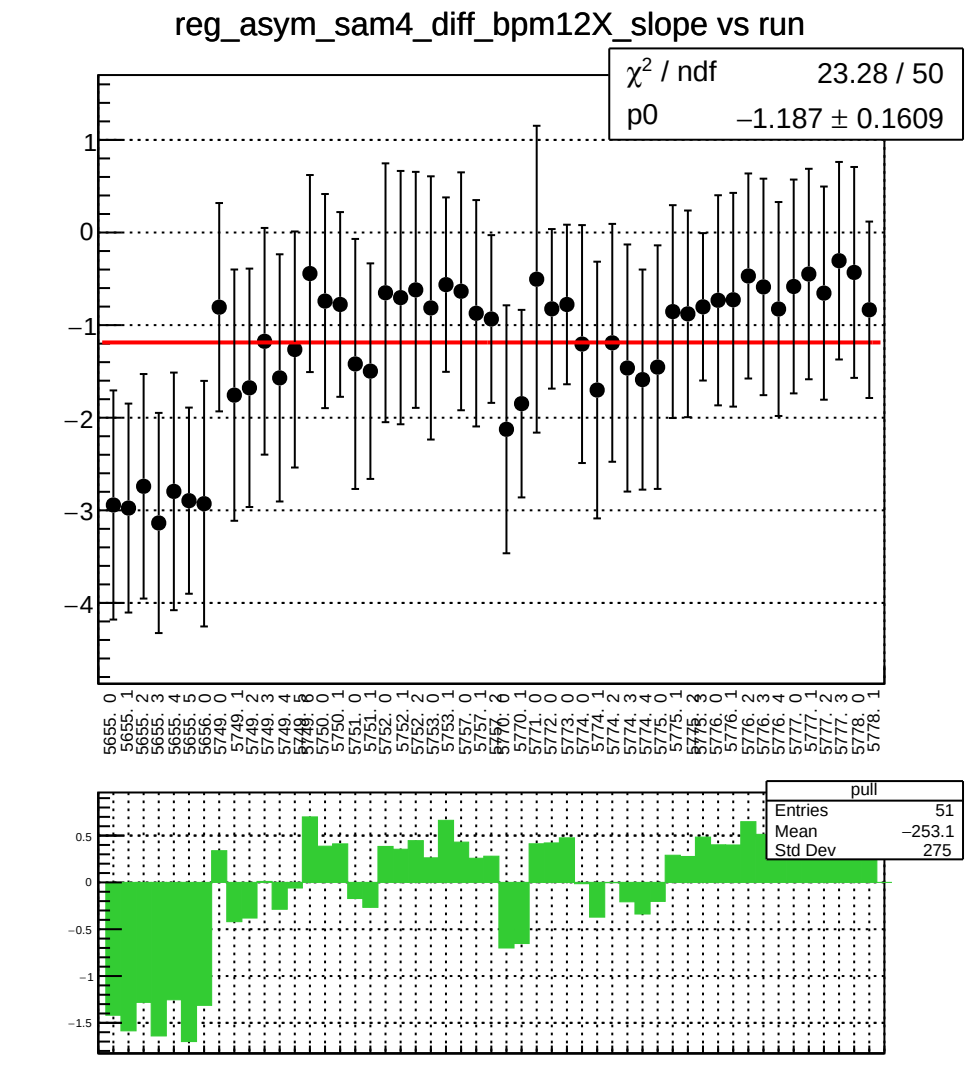

pull1D
Entries 51
Mean 0.1451
Std Dev 0.8164

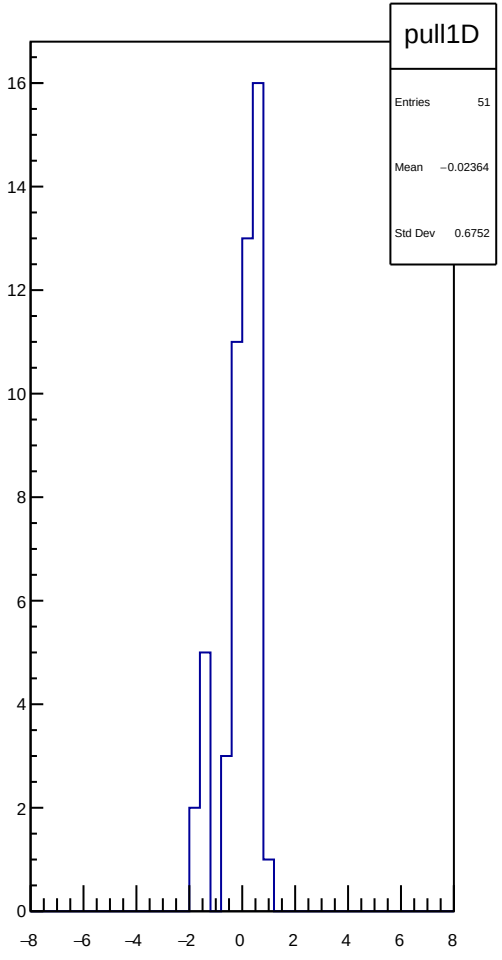

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 6.407 / 50
p0 −72 ± 3.453
pull
Entries 51
Mean −13.44
Std Dev 25.19

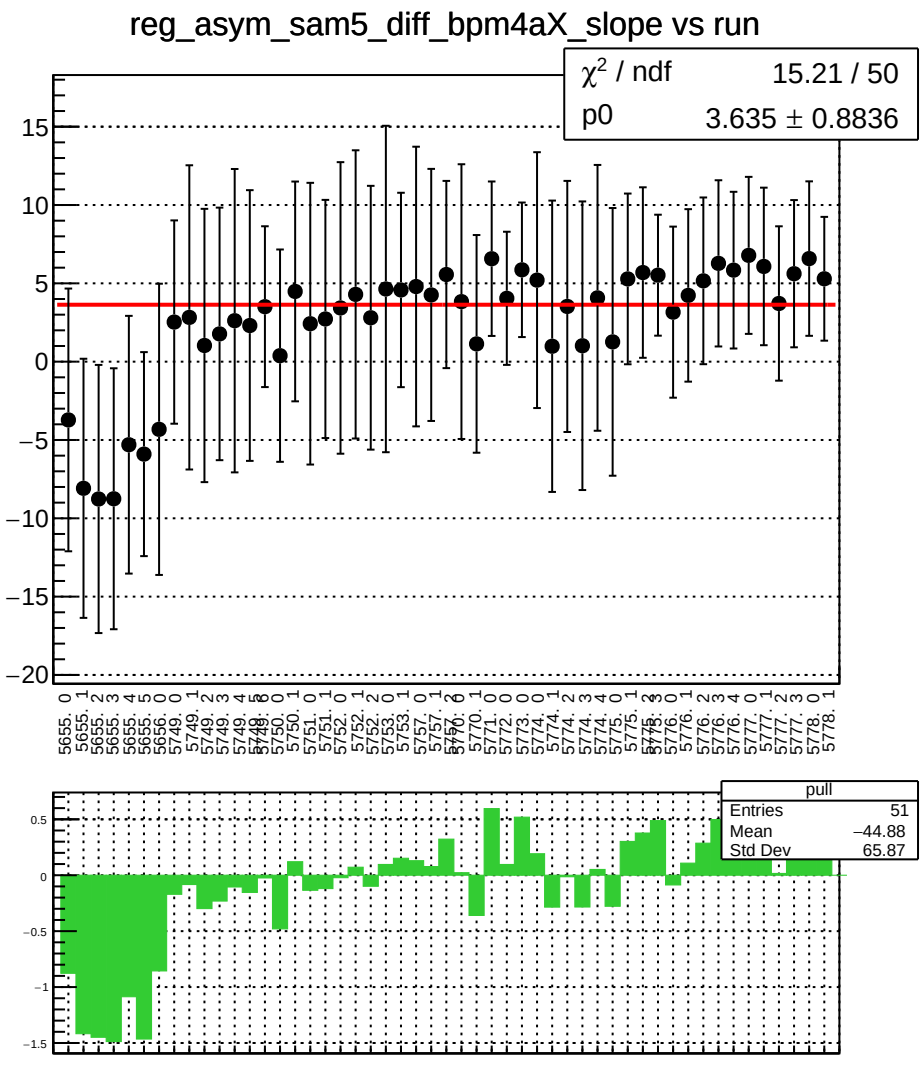

pull1D
Entries 51
Mean 0.04822
Std Dev 0.3511

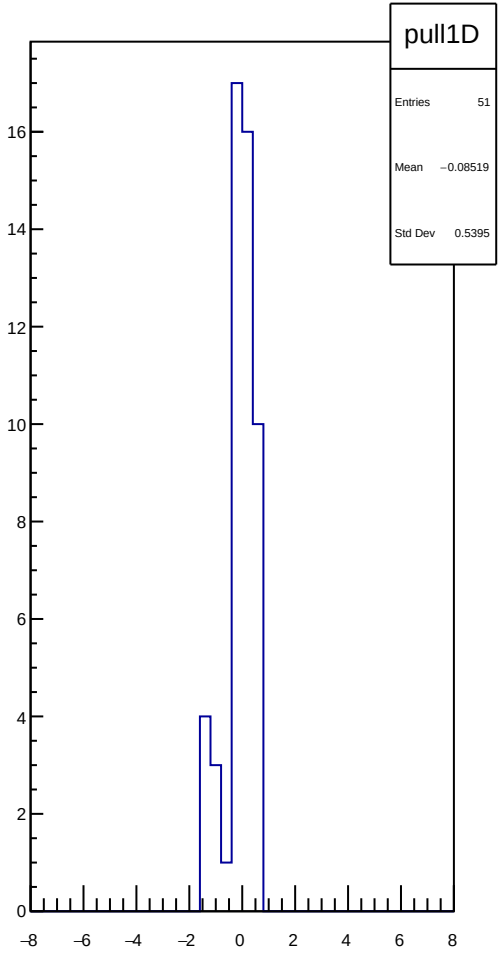

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 30.49 / 50
p0 127.6 ± 3.051
pull
Entries 51
Mean 36.4
Std Dev 26.82

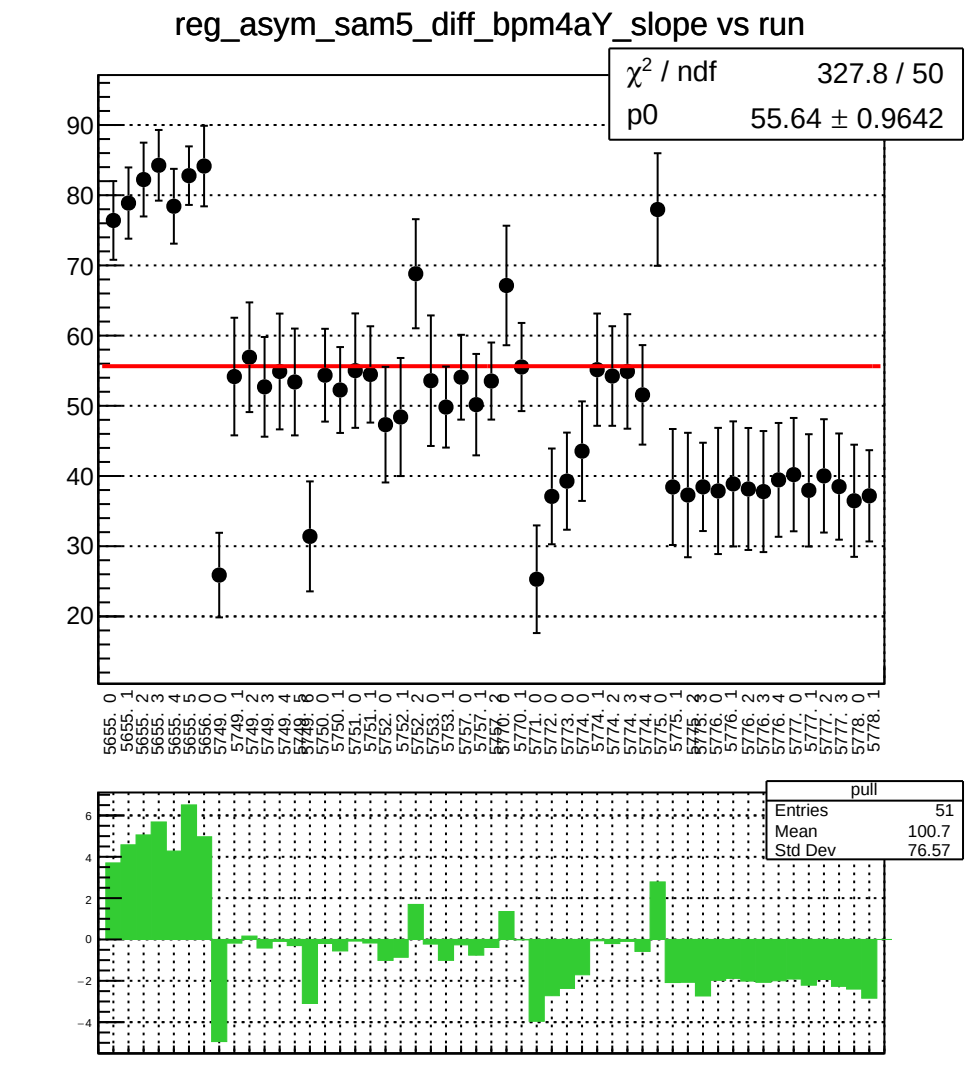

pull1D
Entries 51
Mean −0.1281
Std Dev 0.7625

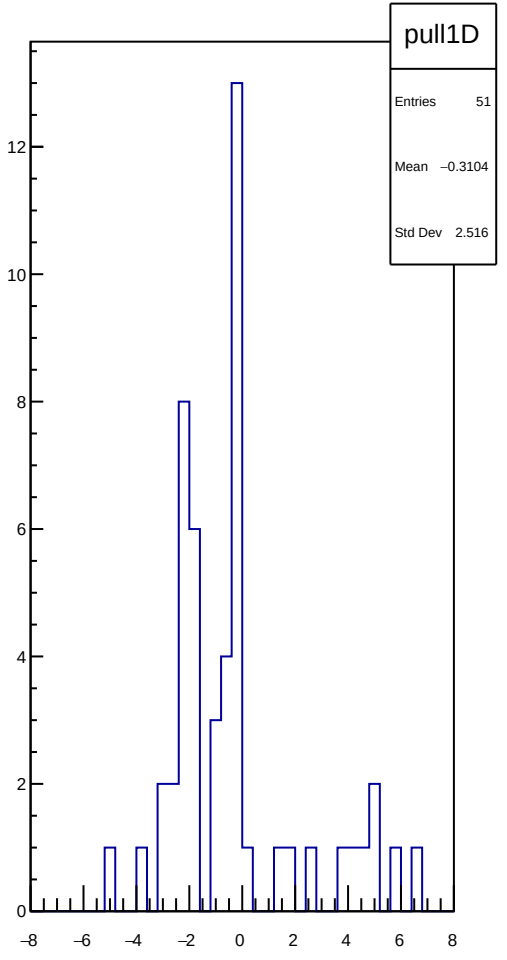

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 23.28 / 50
p0 −1.187 ± 0.1609
pull
Entries 51
Mean −253.1
Std Dev 275

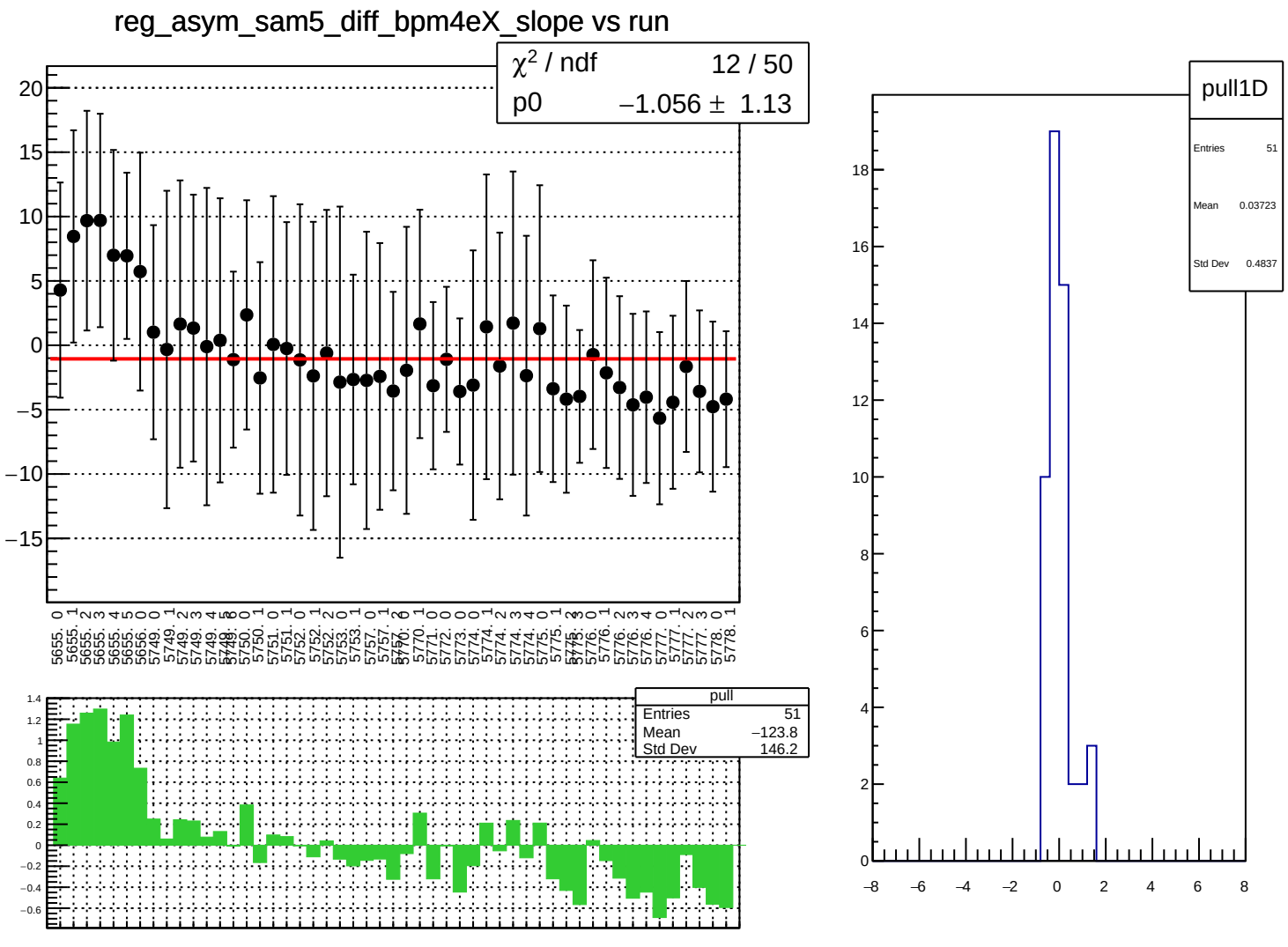

pull1D
Entries 51
Mean −0.02364
Std Dev 0.6752

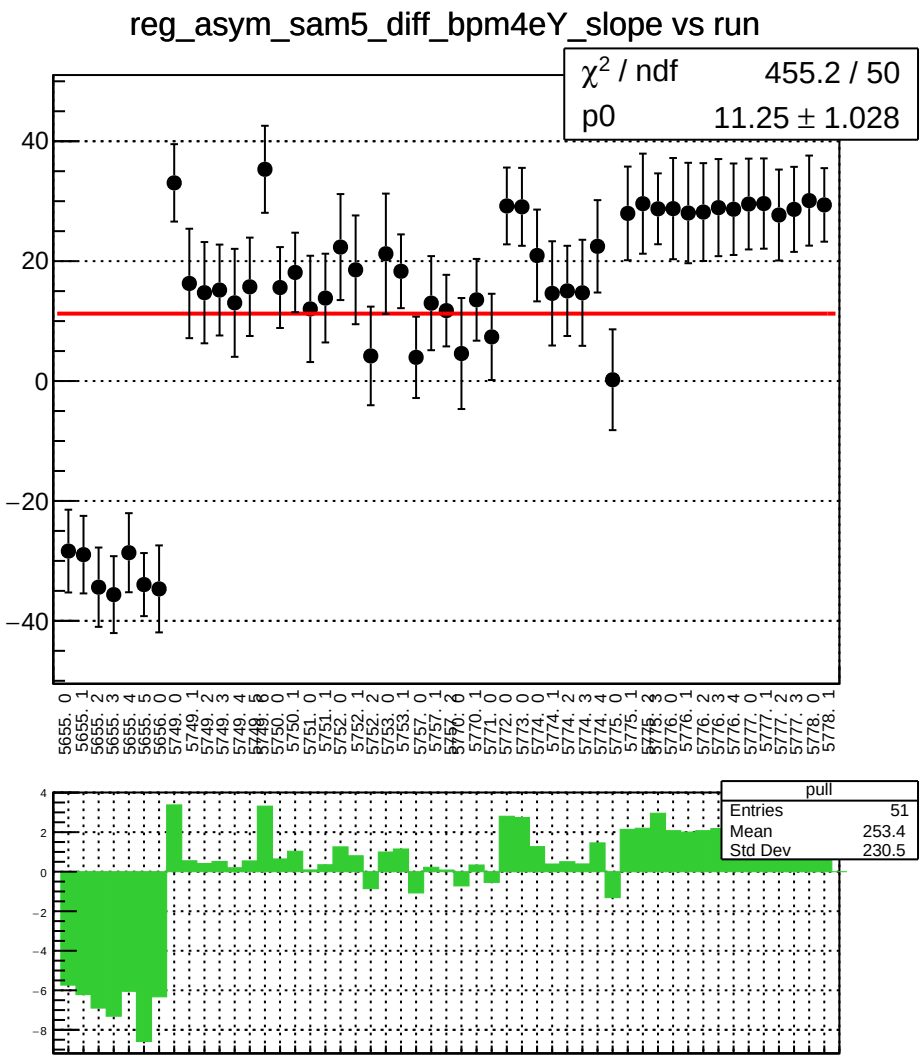

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 15.21 / 50
p0 3.635 ± 0.8836
pull
Entries 51
Mean −44.88
Std Dev 65.87

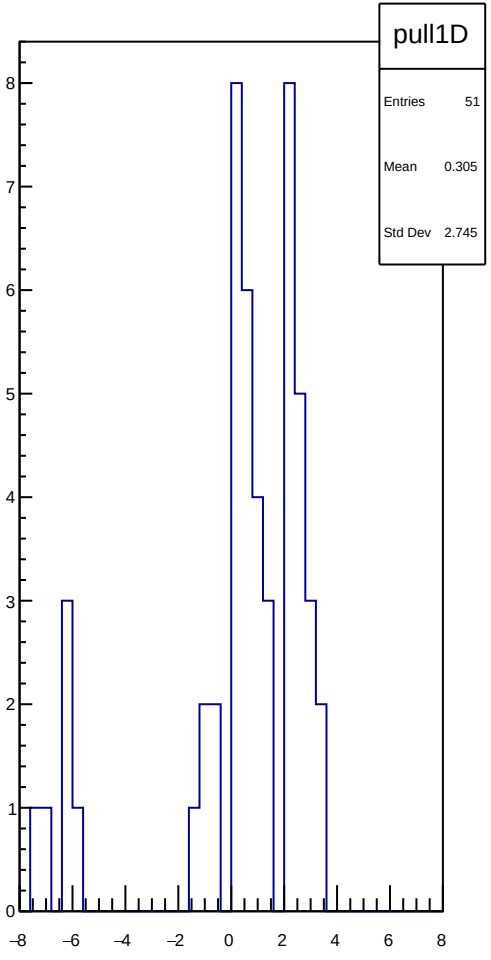

pull1D
Entries 51
Mean −0.08519
Std Dev 0.5395

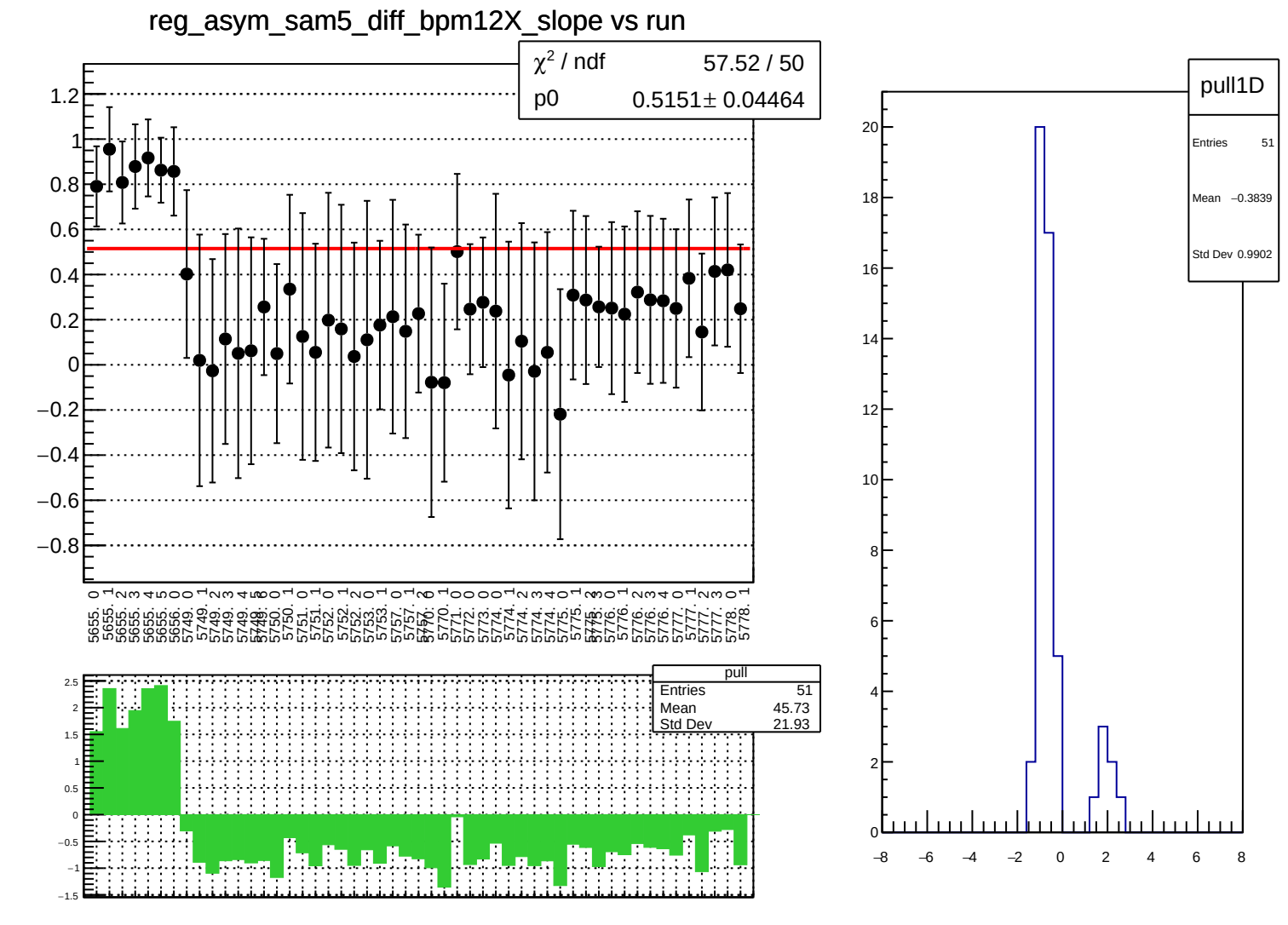

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 327.8 / 50
p0 55.64 ± 0.9642
pull
Entries 51
Mean 100.7
Std Dev 76.57

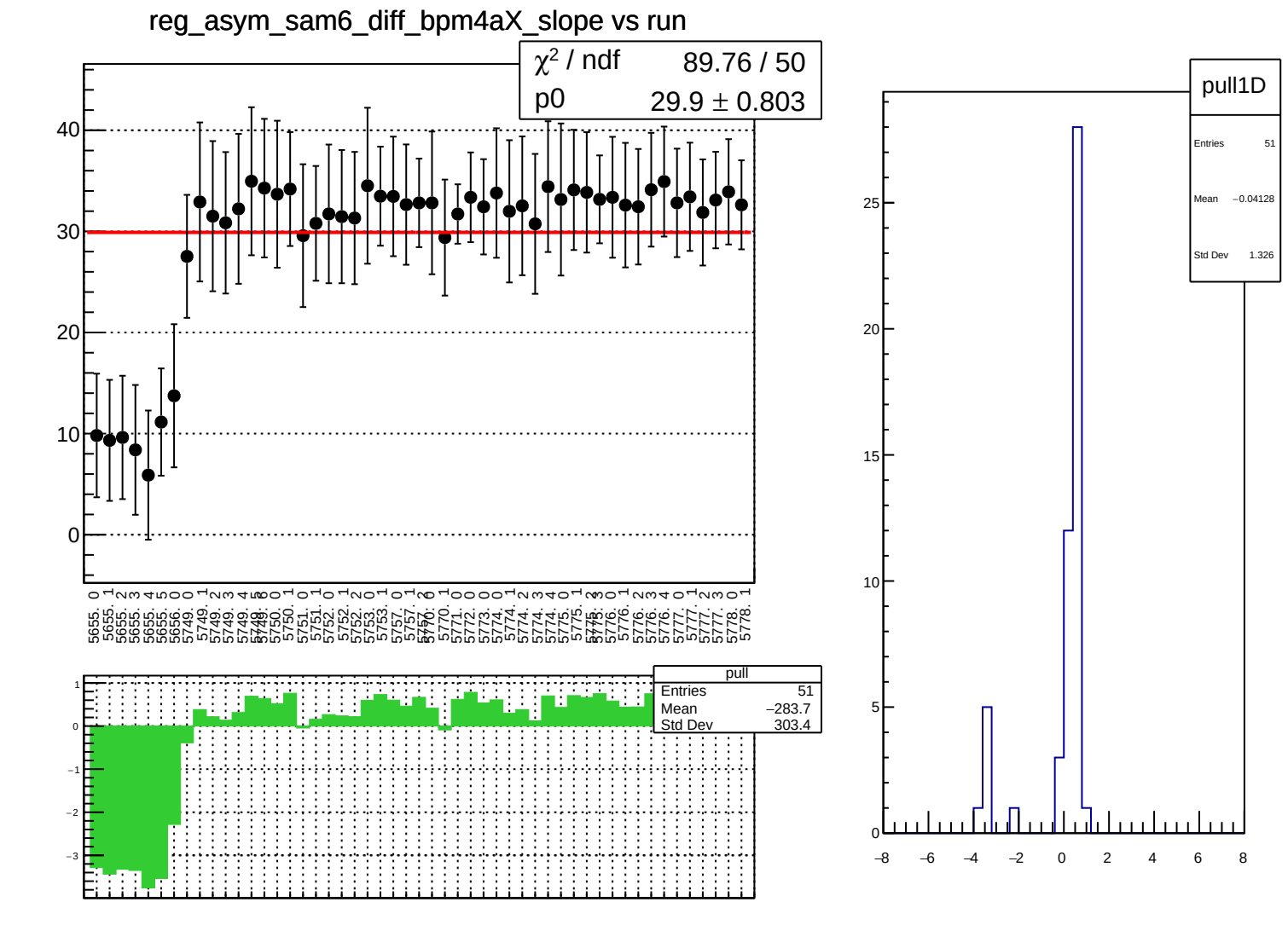

pull1D
Entries 51
Mean −0.3104
Std Dev 2.516

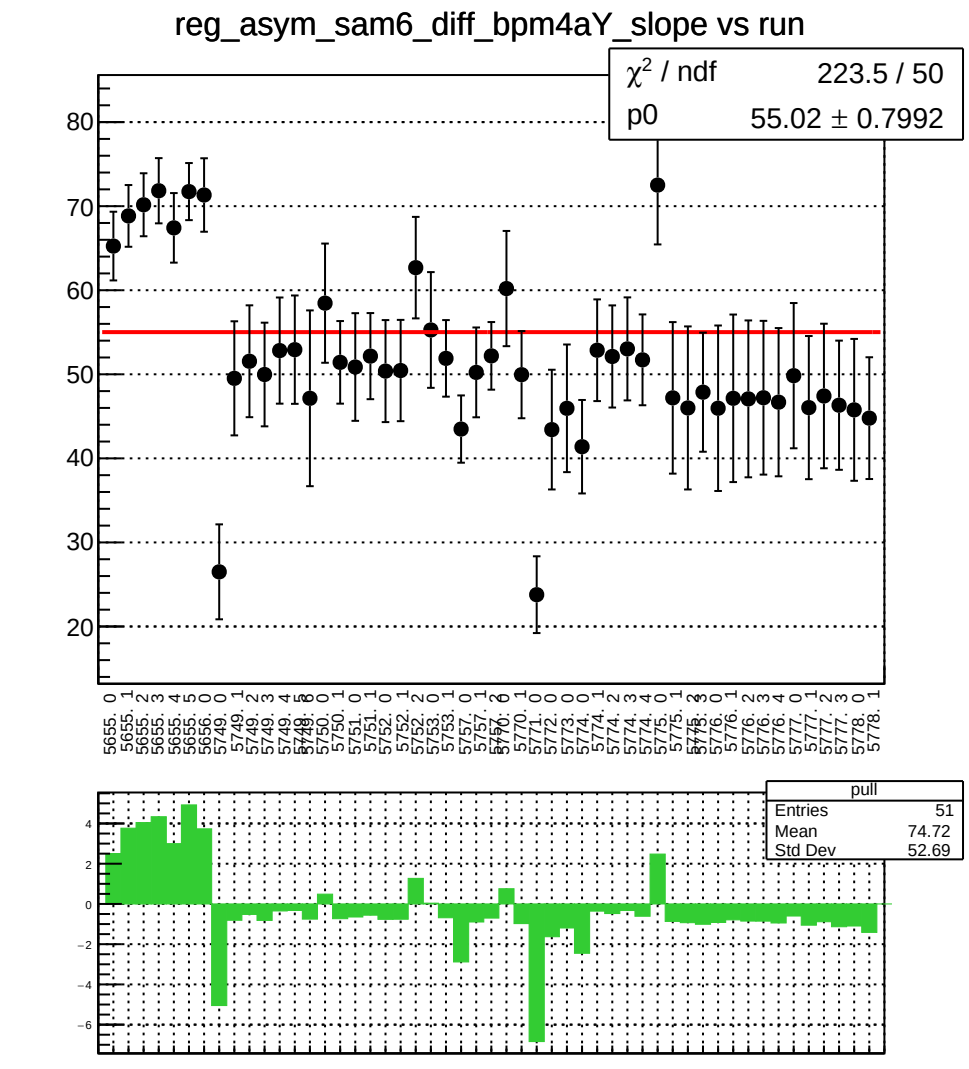

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 12 / 50
p0 −1.056 ± 1.13
pull
Entries 51
Mean −123.8
Std Dev 146.2
pull1D
Entries 51
Mean 0.03723
Std Dev 0.4837

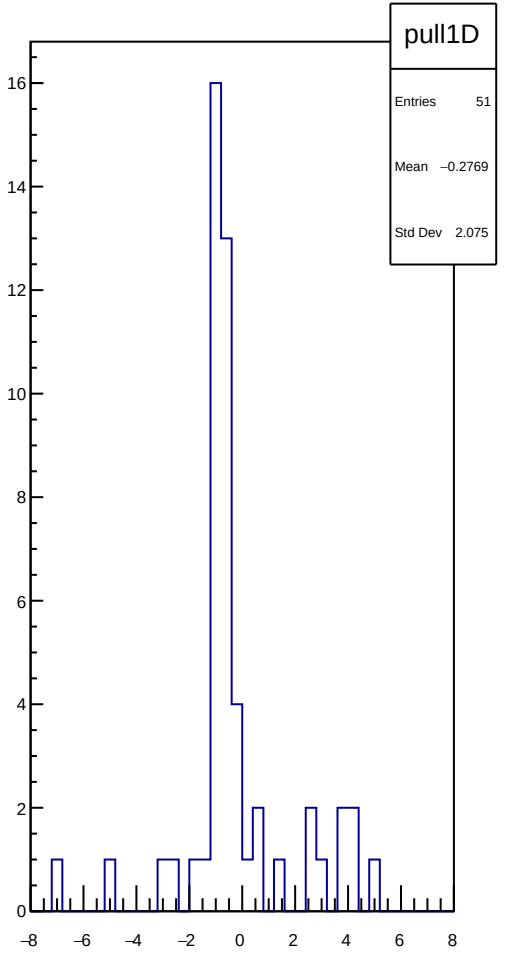

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 455.2 / 50
p0 11.25 ± 1.028
pull
Entries 51
Mean 253.4
Std Dev 230.5

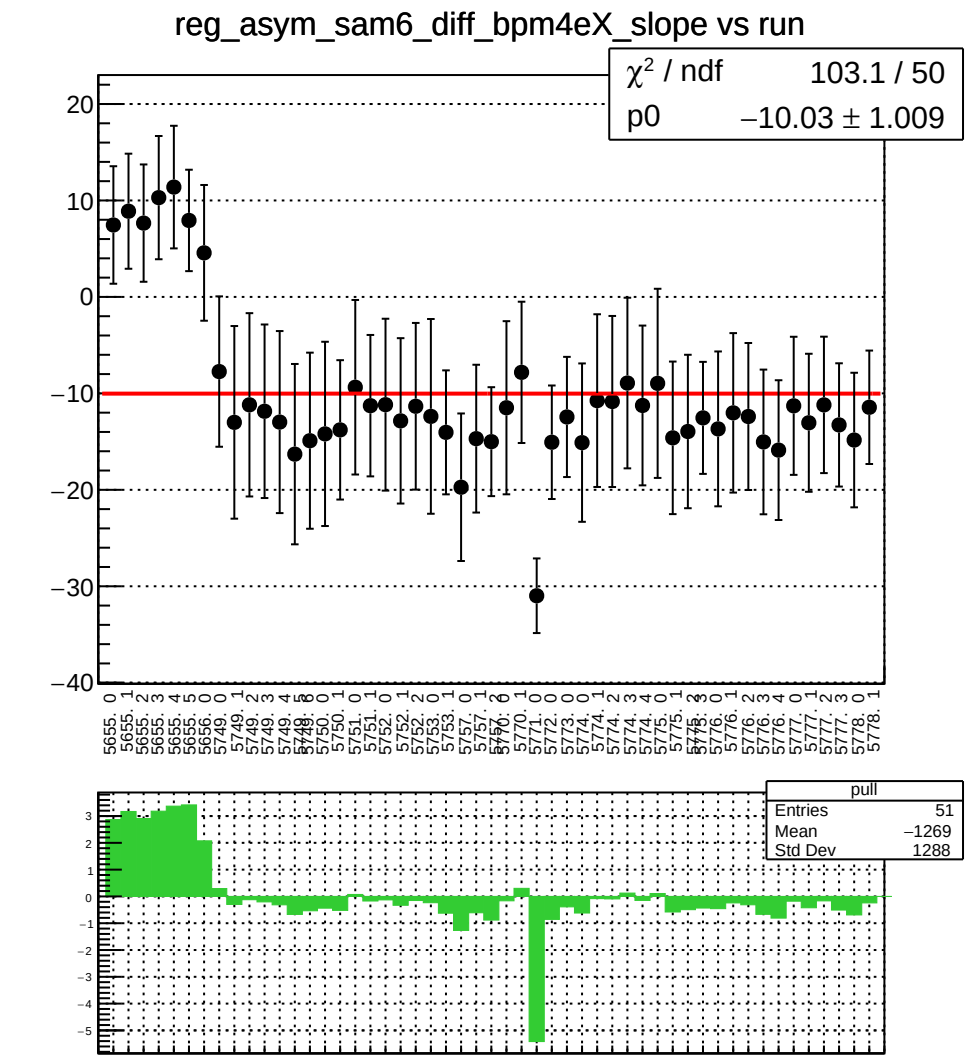

pull1D
Entries 51
Mean 0.305
Std Dev 2.745

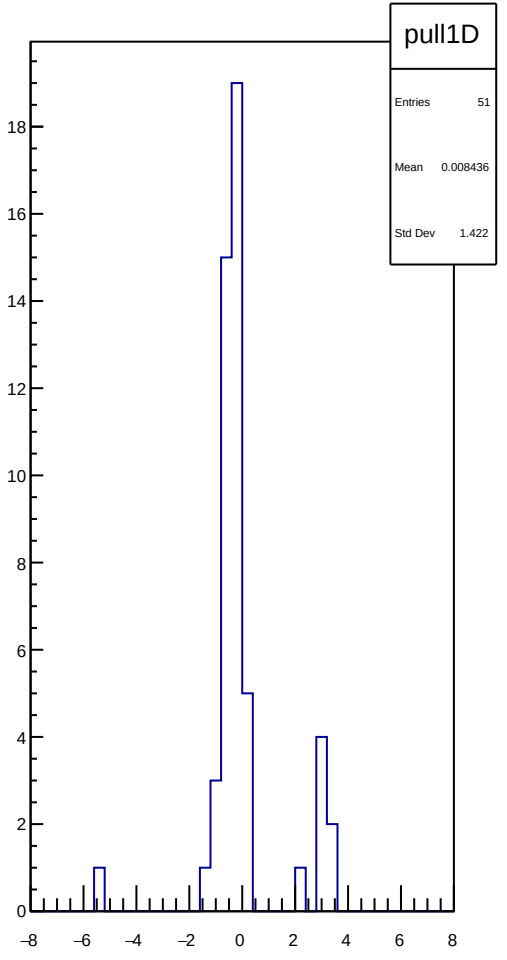

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 57.52 / 50
p0 0.5151± 0.04464
pull
Entries 51
Mean 45.73
Std Dev 21.93
pull1D
Entries 51
Mean −0.3839
Std Dev 0.9902

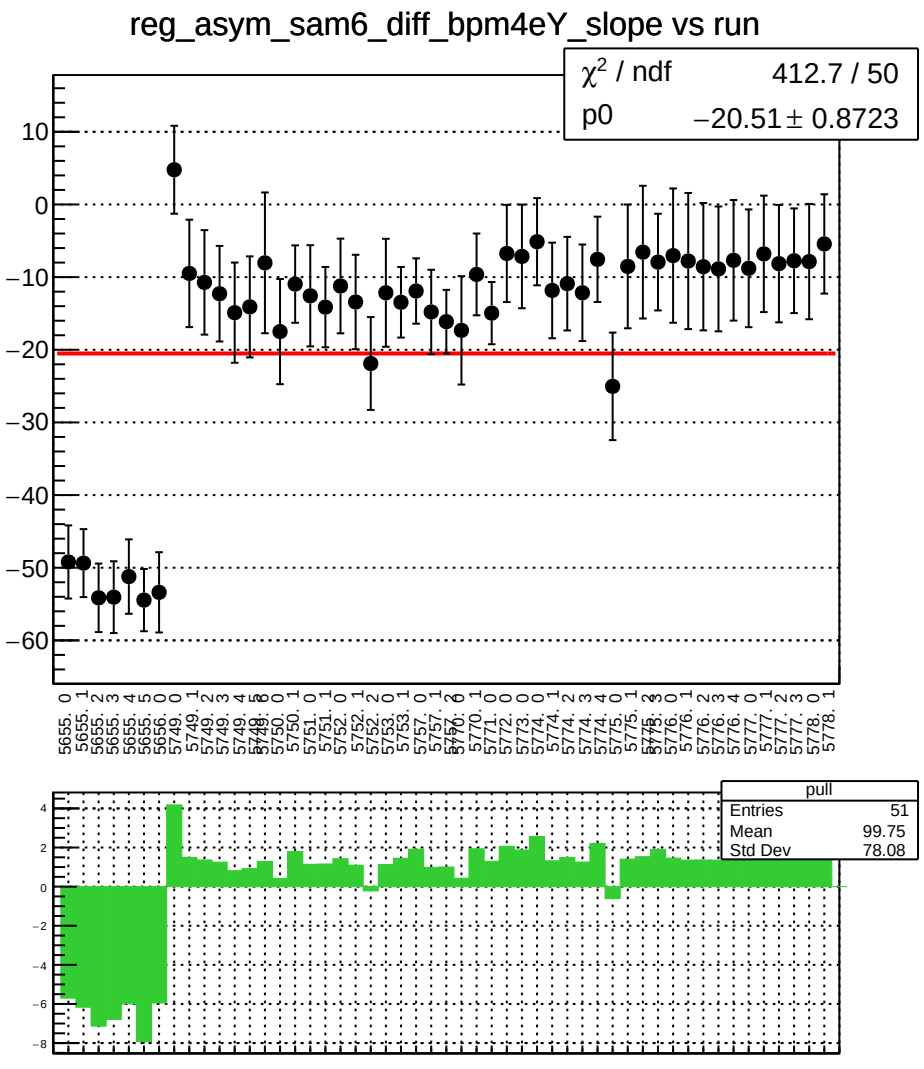

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 89.76 / 50
p0 29.9 ± 0.803
pull
Entries 51
Mean −283.7
Std Dev 303.4
pull1D
Entries 51
Mean −0.04128
Std Dev 1.326

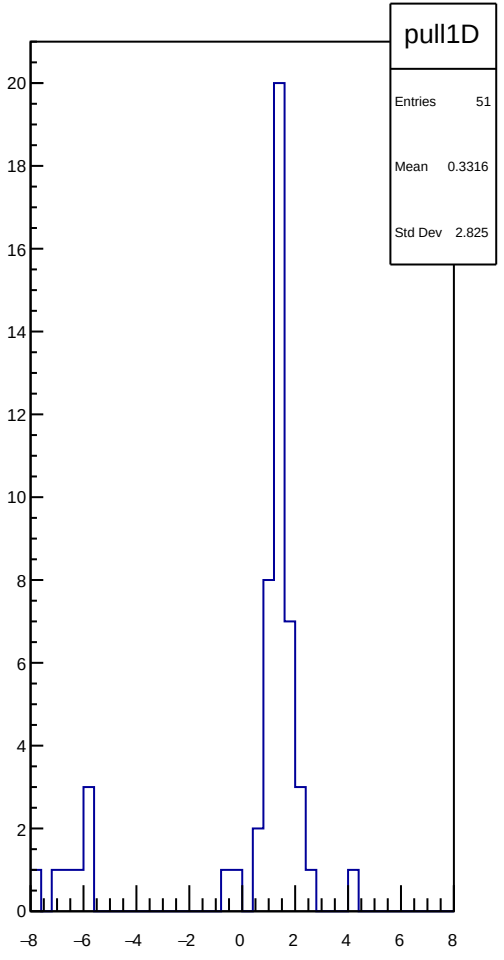

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 223.5 / 50
p0 55.02 ± 0.7992
pull
Entries 51
Mean 74.72
Std Dev 52.69

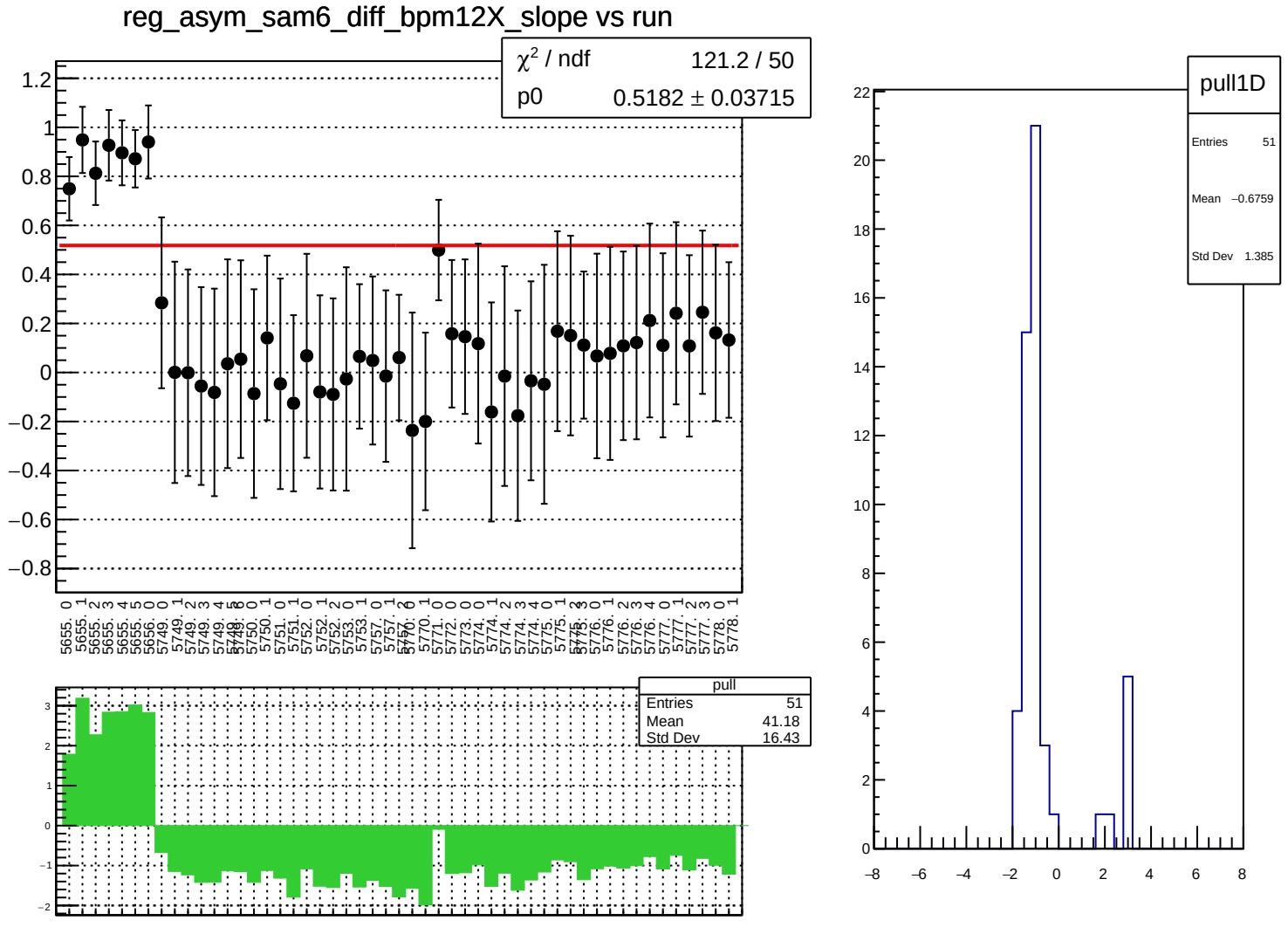

pull1D
Entries 51
Mean −0.2769
Std Dev 2.075

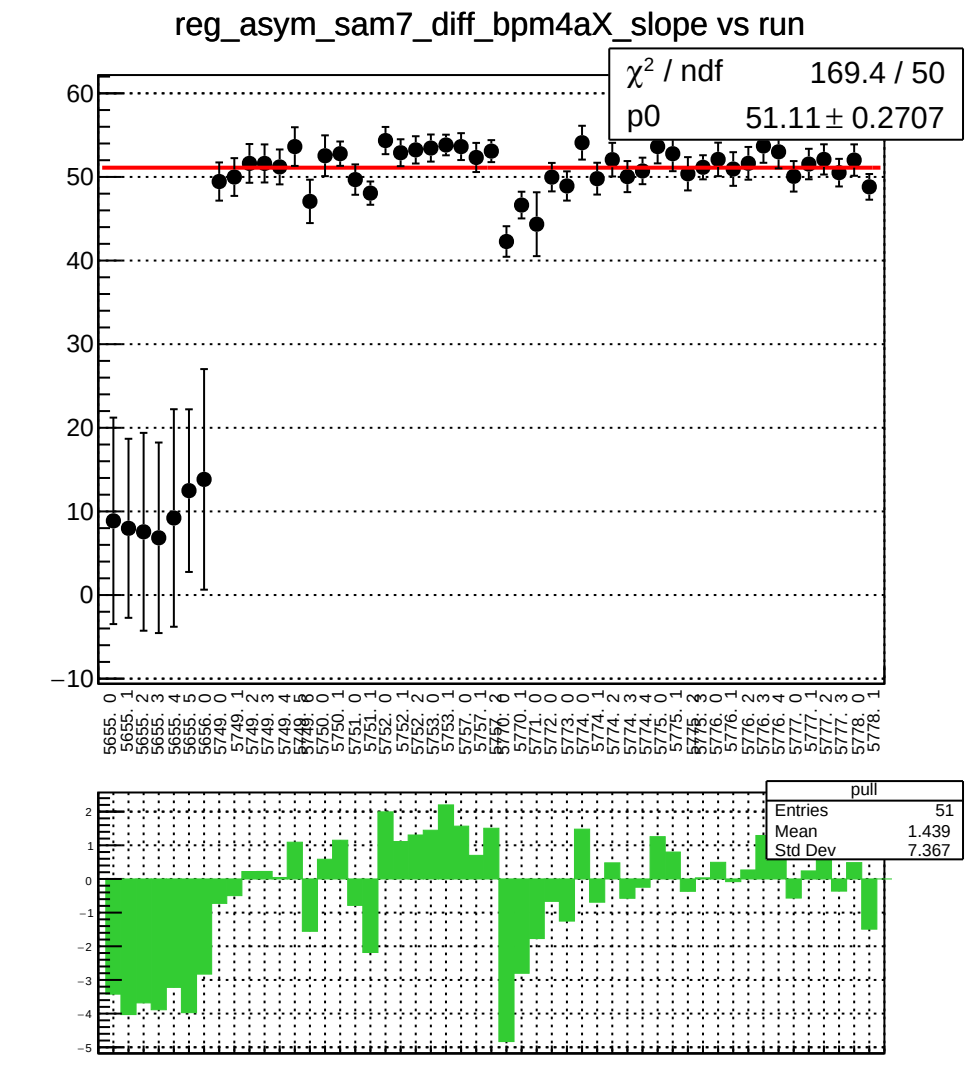

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 50
p0 −10.03 ± 1.009
pull
Entries 51
Mean −1269
Std Dev 1288

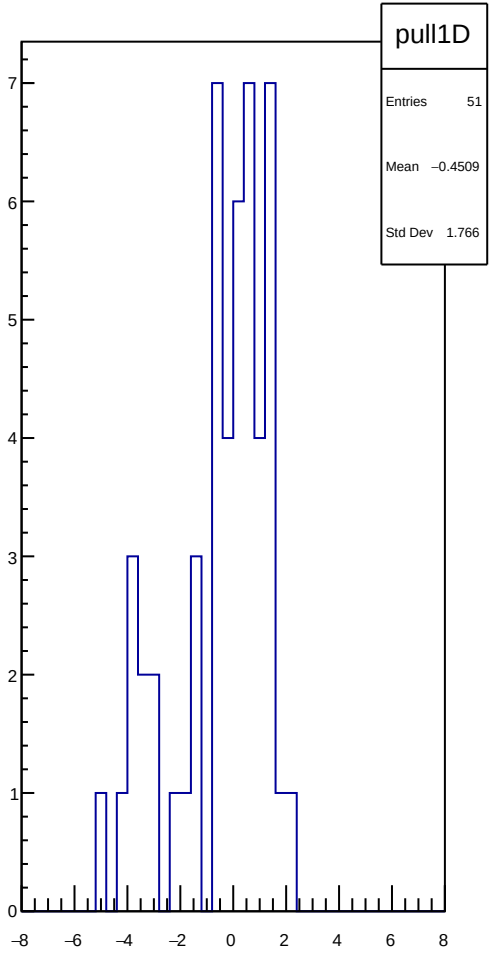

pull1D
Entries 51
Mean 0.008436
Std Dev 1.422

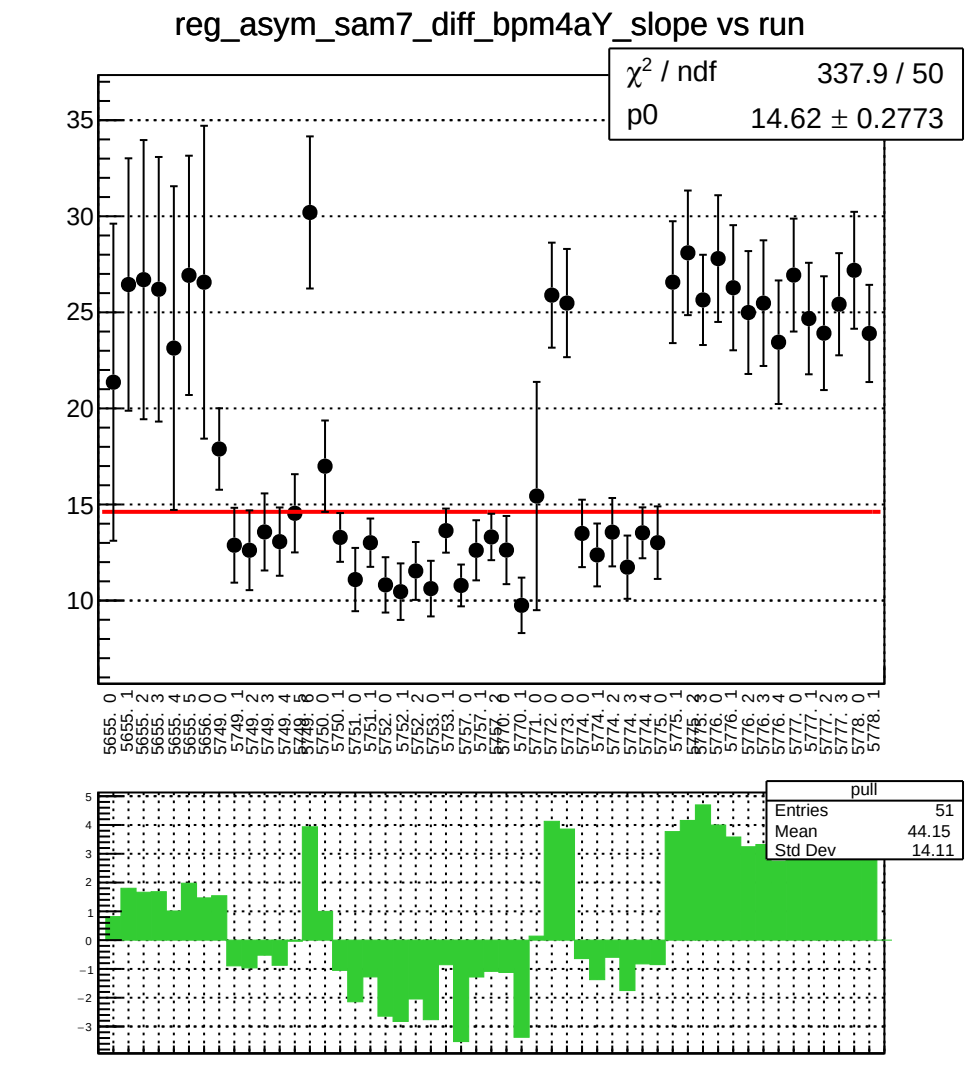

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 412.7 / 50
p0 −20.51 ± 0.8723
pull
Entries 51
Mean 99.75
Std Dev 78.08

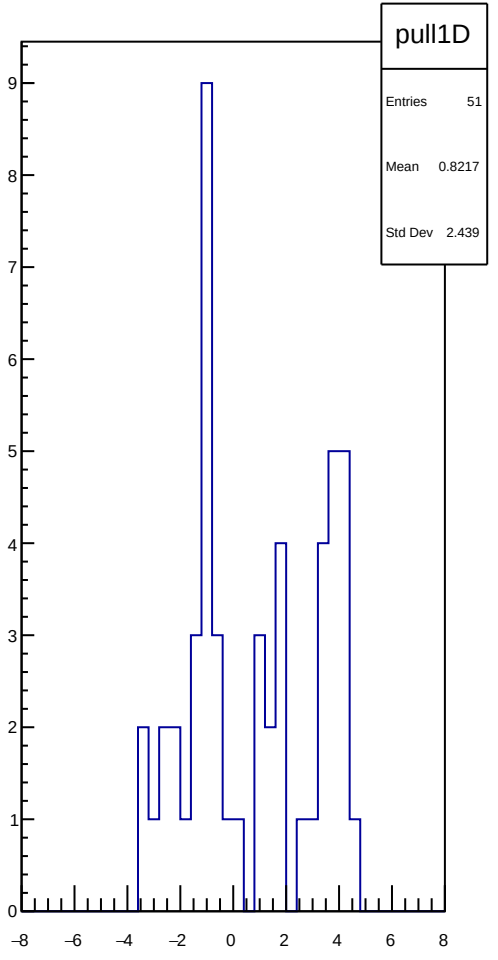

pull1D
Entries 51
Mean 0.3316
Std Dev 2.825

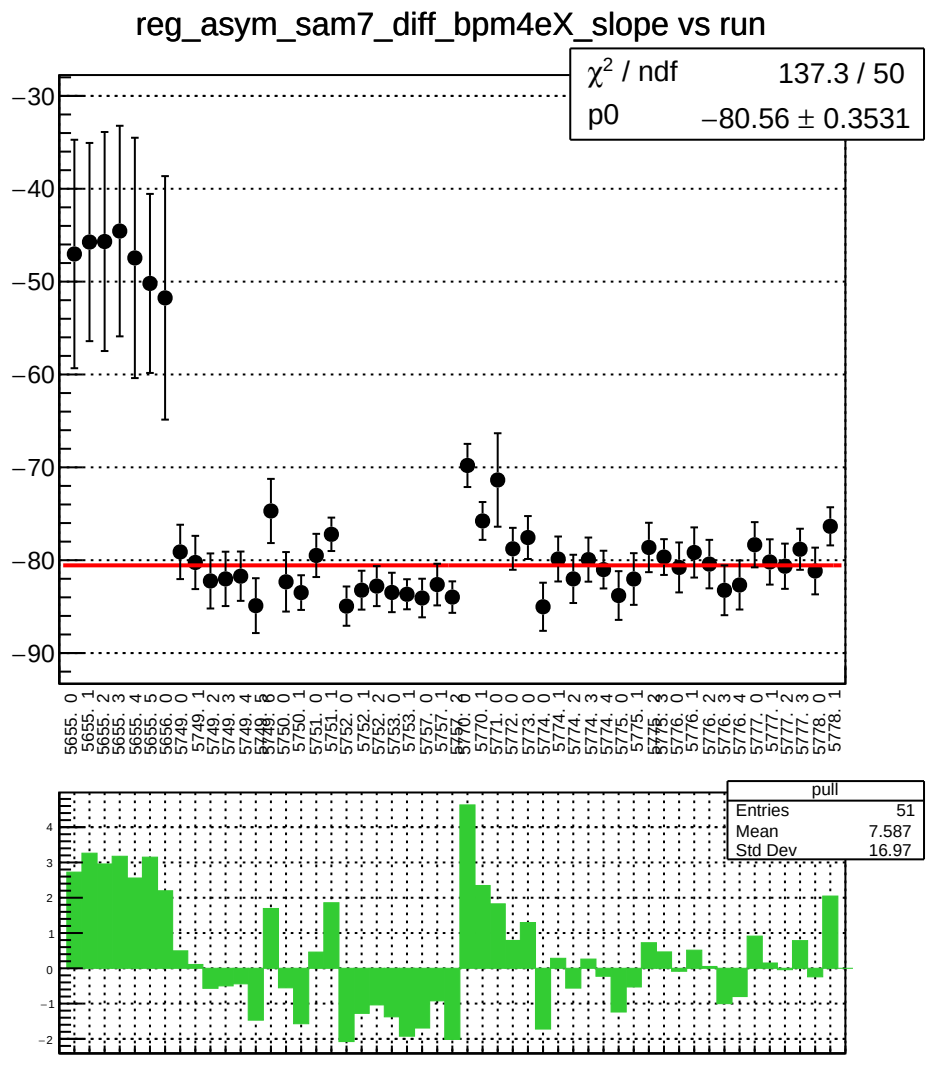

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 121.2 / 50
p0 0.5182 ± 0.03715
pull
Entries 51
Mean 41.18
Std Dev 16.43
pull1D
Entries 51
Mean −0.6759
Std Dev 1.385

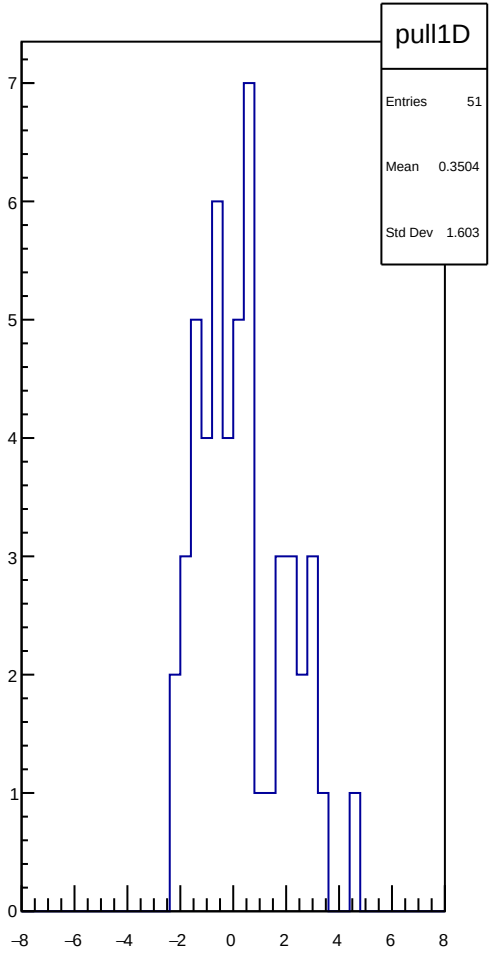

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 169.4 / 50
p0 51.11 ± 0.2707
pull
Entries 51
Mean 1.439
Std Dev 7.367

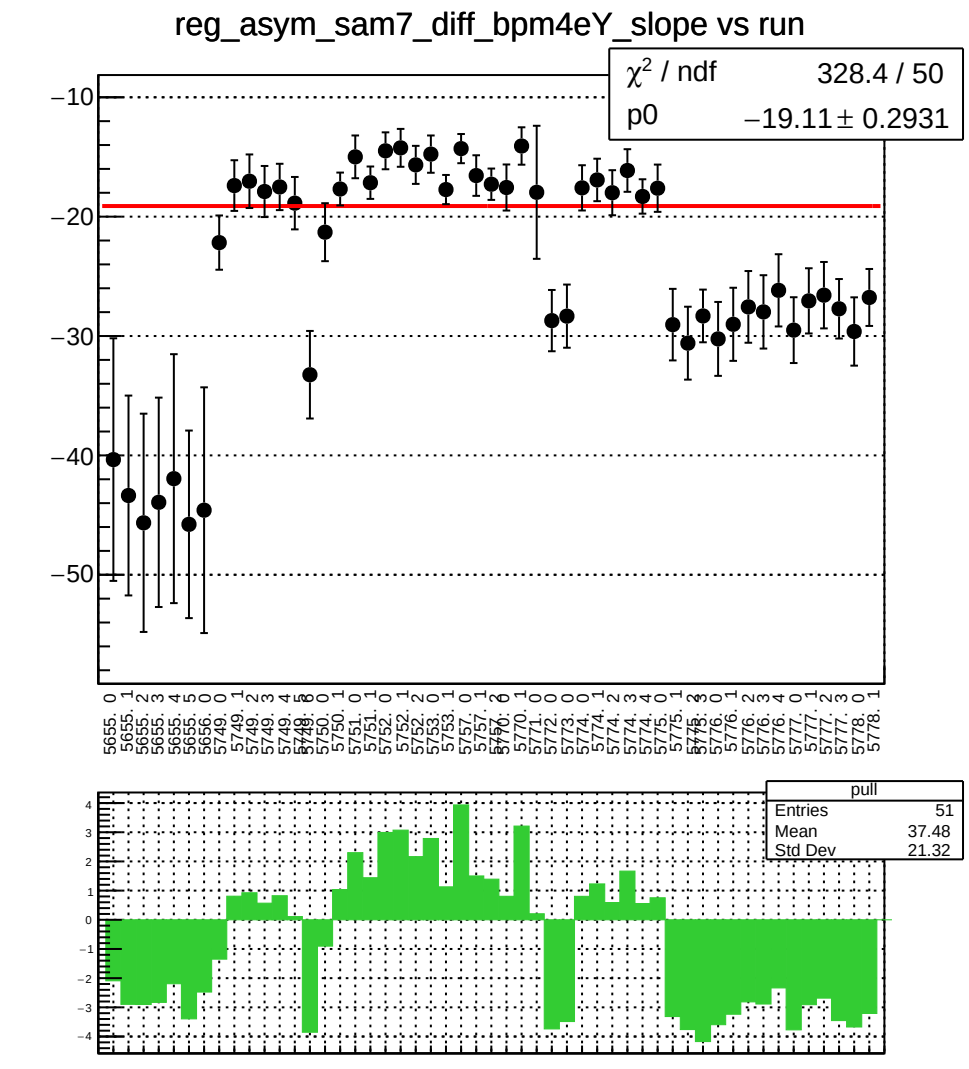

pull1D
Entries 51
Mean −0.4509
Std Dev 1.766

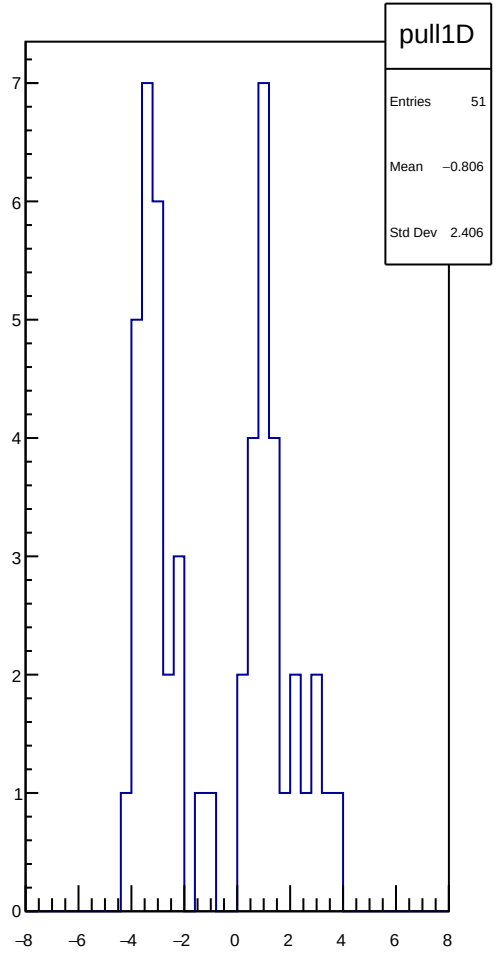

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 337.9 / 50
p0 14.62 ± 0.2773
pull
Entries 51
Mean 44.15
Std Dev 14.11

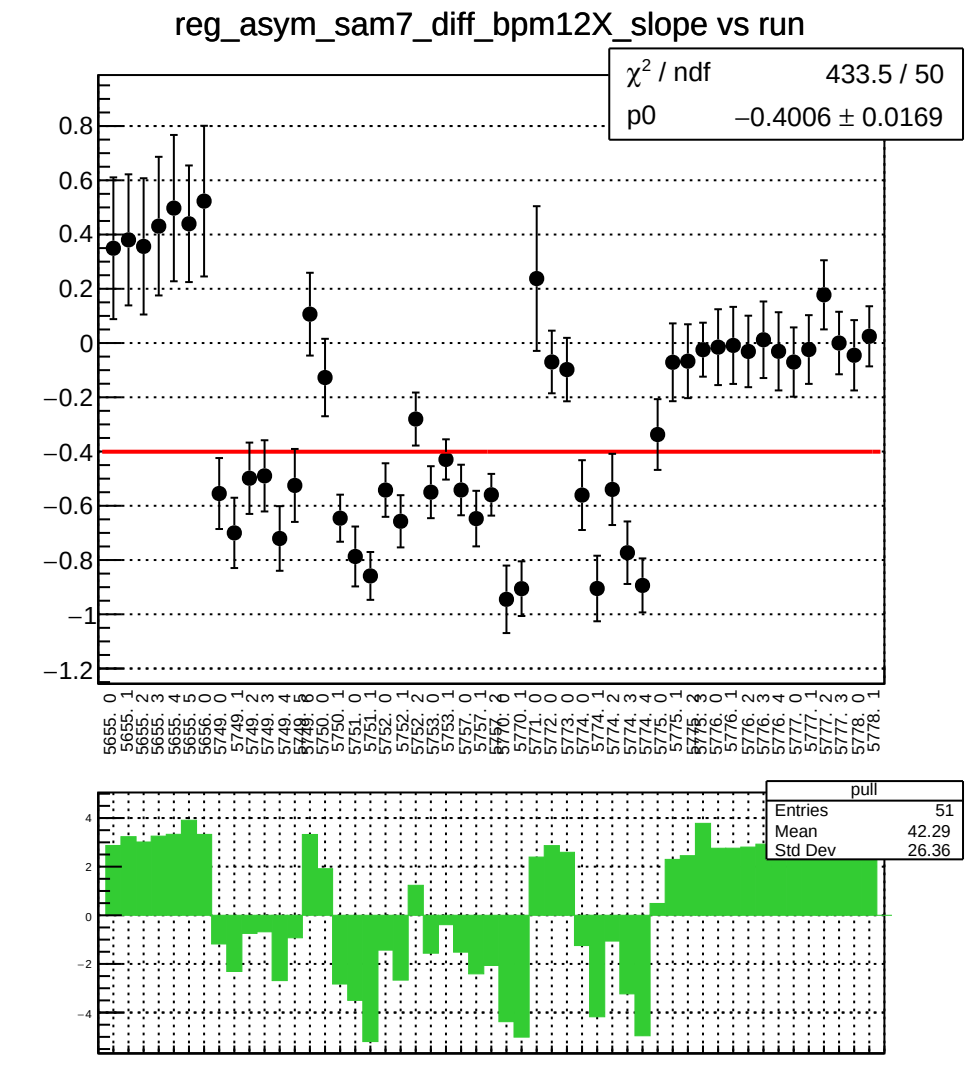

pull1D
Entries 51
Mean 0.8217
Std Dev 2.439

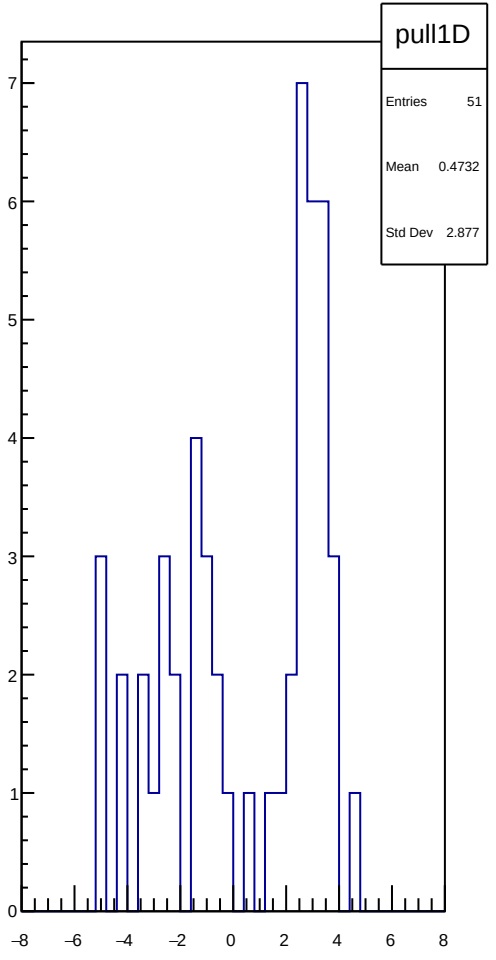

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 137.3 / 50
p0 −80.56 ± 0.3531
pull
Entries 51
Mean 7.587
Std Dev 16.97

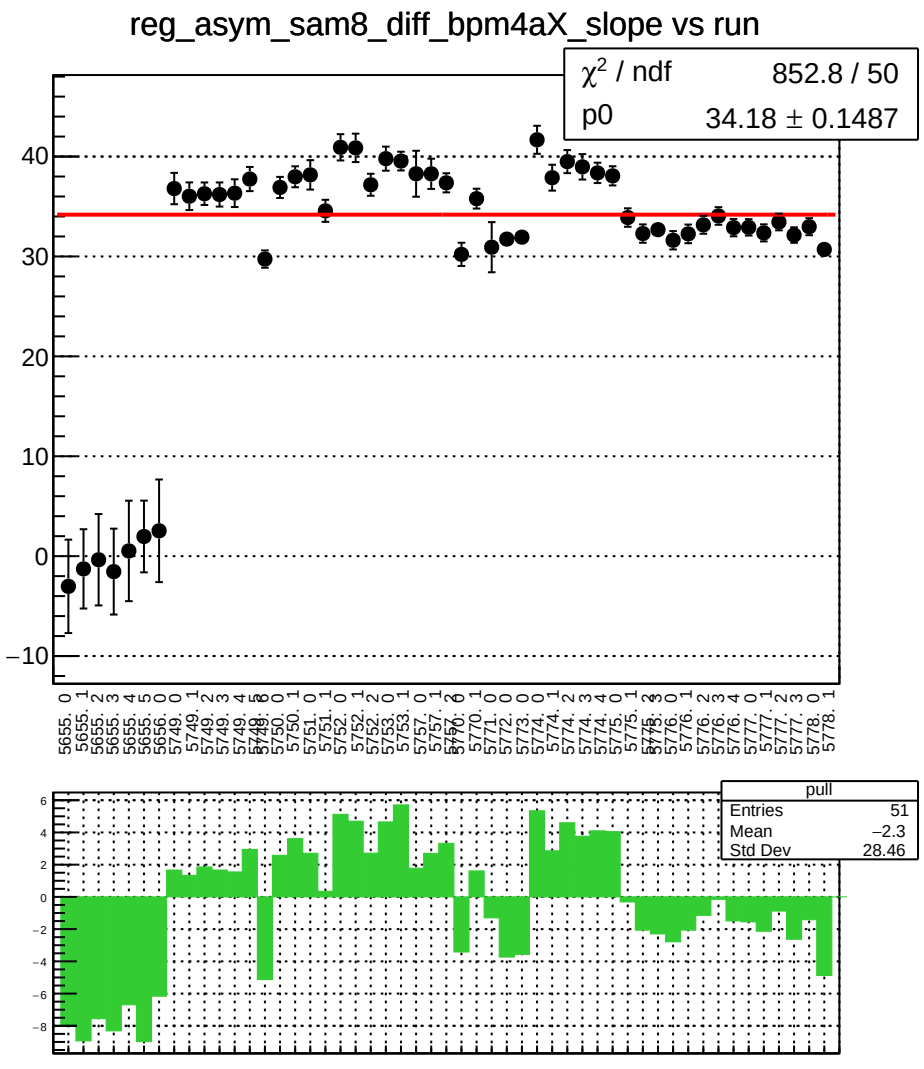

pull1D
Entries 51
Mean 0.3504
Std Dev 1.603

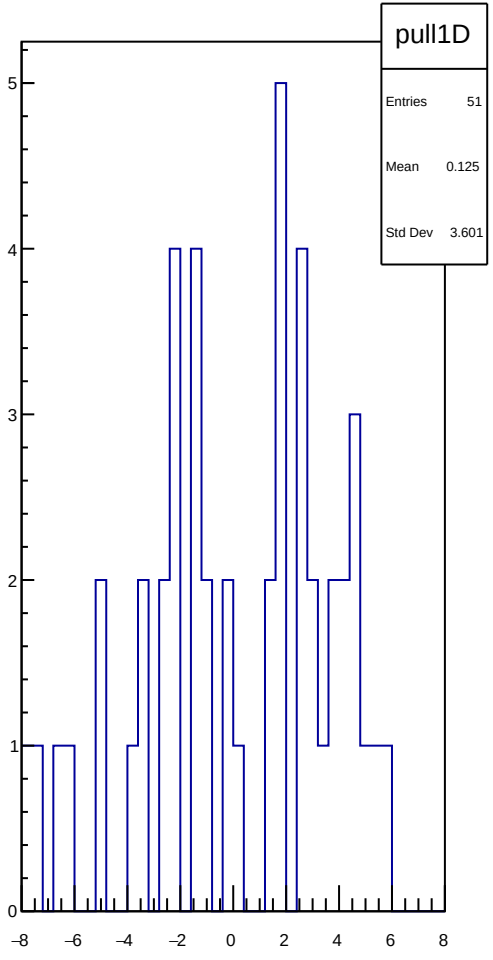

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 328.4 / 50
p0 −19.11 ± 0.2931
−10
−20
−30
−40
−50
pull
Entries 51
Mean 37.48
Std Dev 21.32

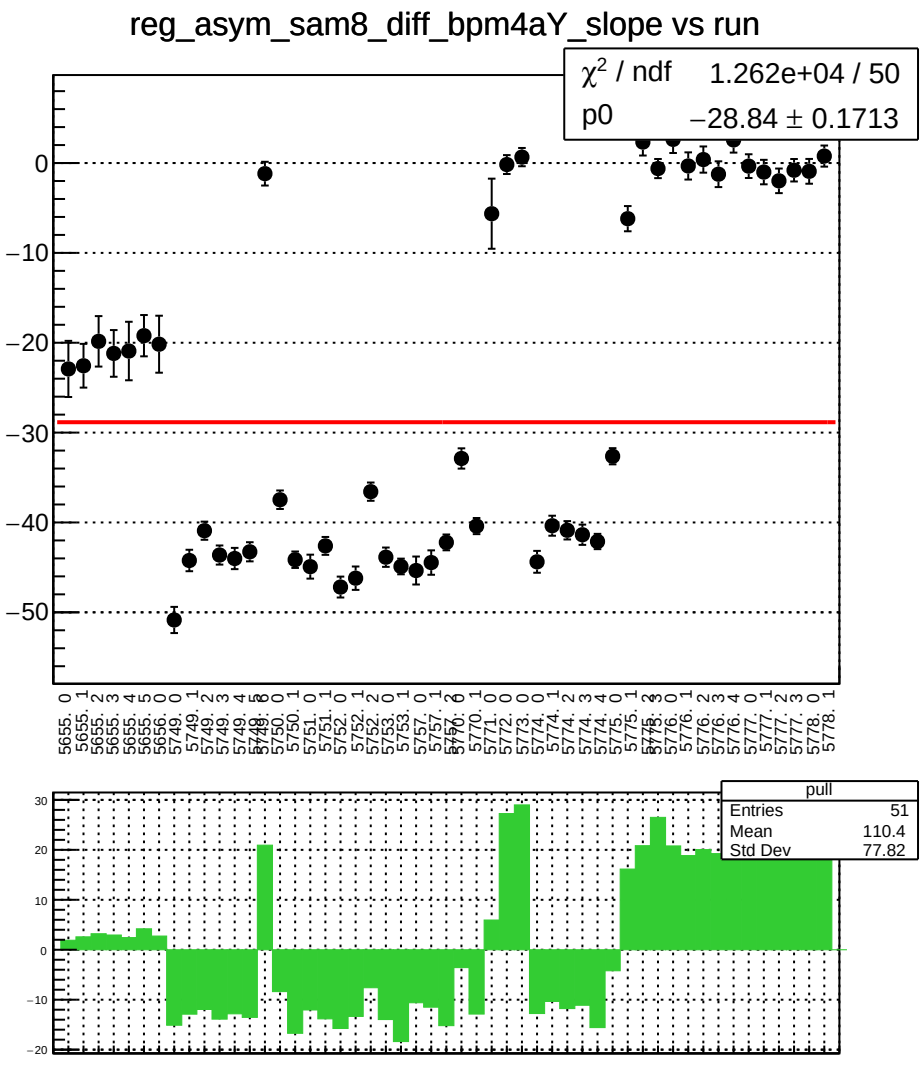

pull1D
Entries 51
Mean −0.806
Std Dev 2.406

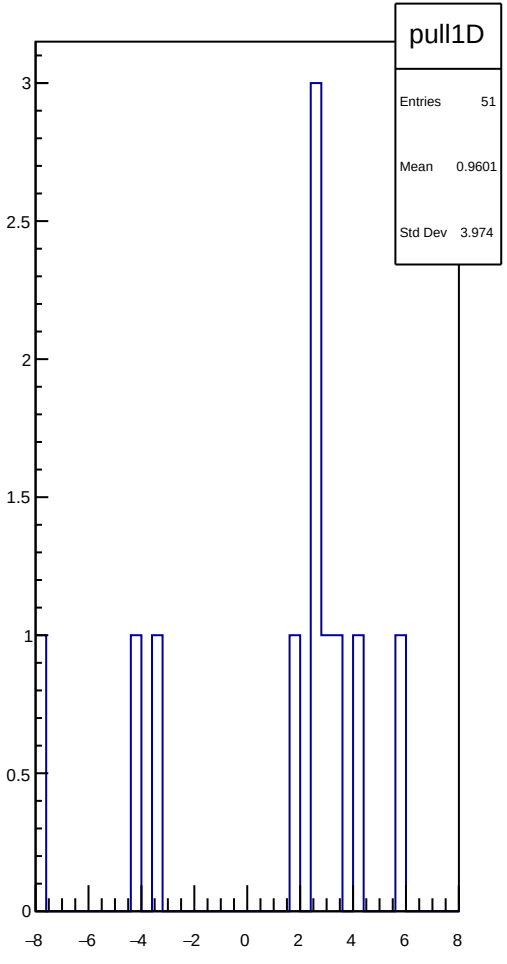

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 433.5 / 50
p0 −0.4006 ± 0.0169
pull
Entries 51
Mean 42.29
Std Dev 26.36

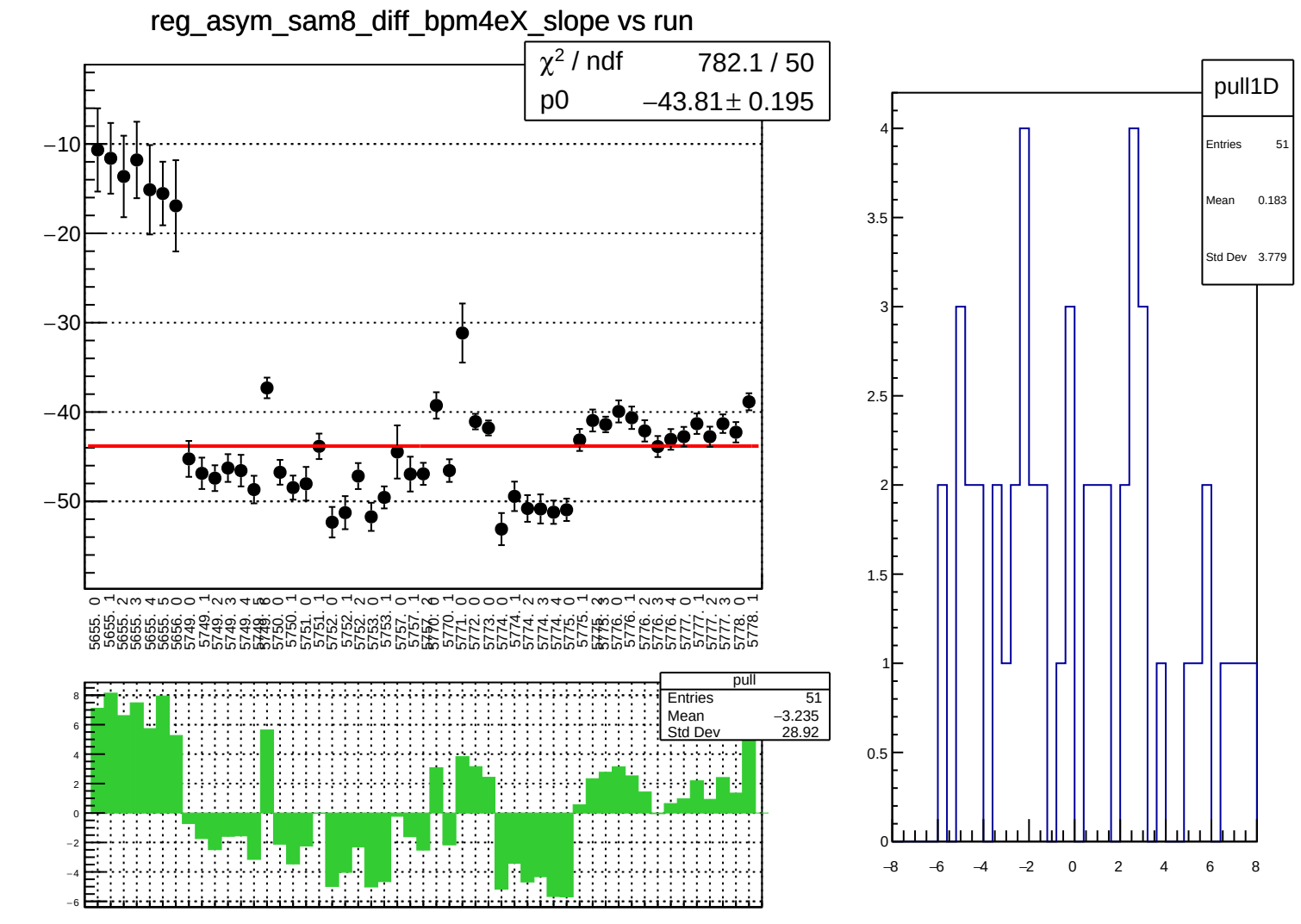

pull1D
Entries 51
Mean 0.4732
Std Dev 2.877

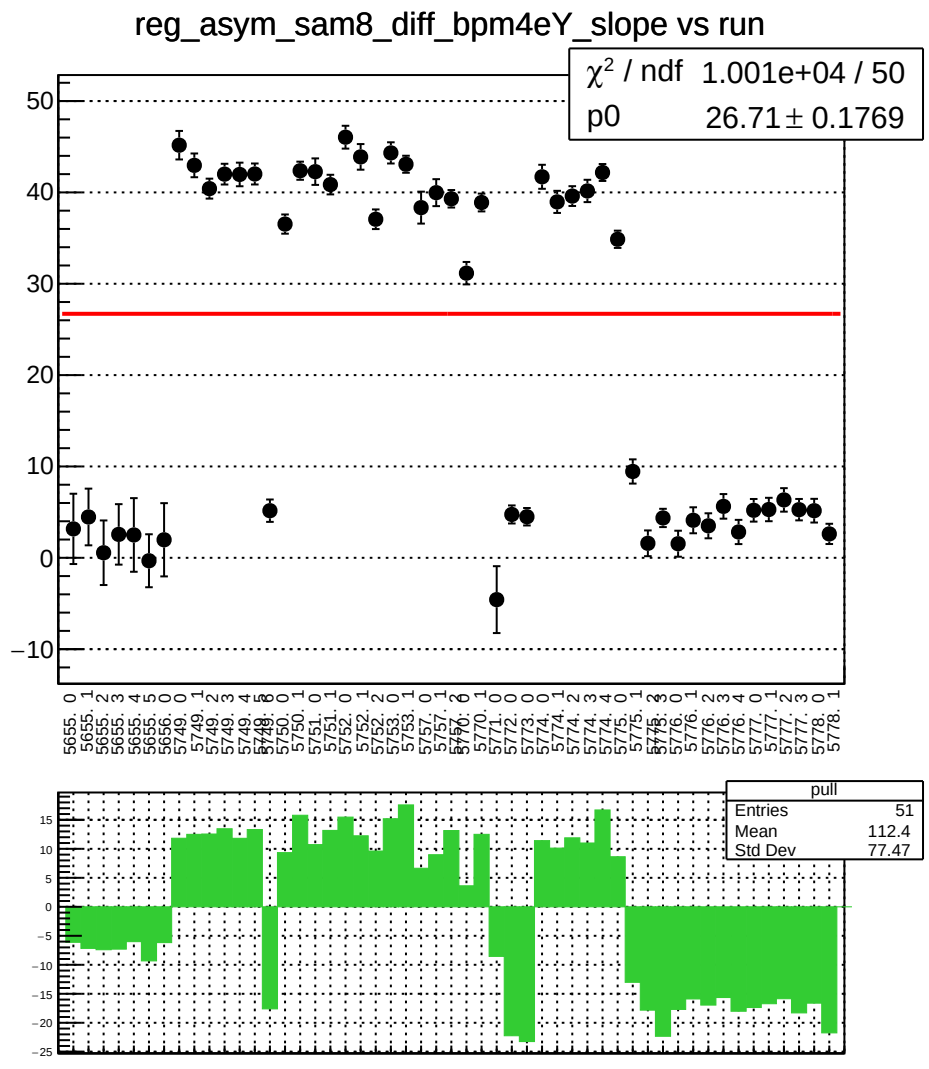

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 852.8 / 50
p0 34.18 ± 0.1487
pull
Entries 51
Mean −2.3
Std Dev 28.46

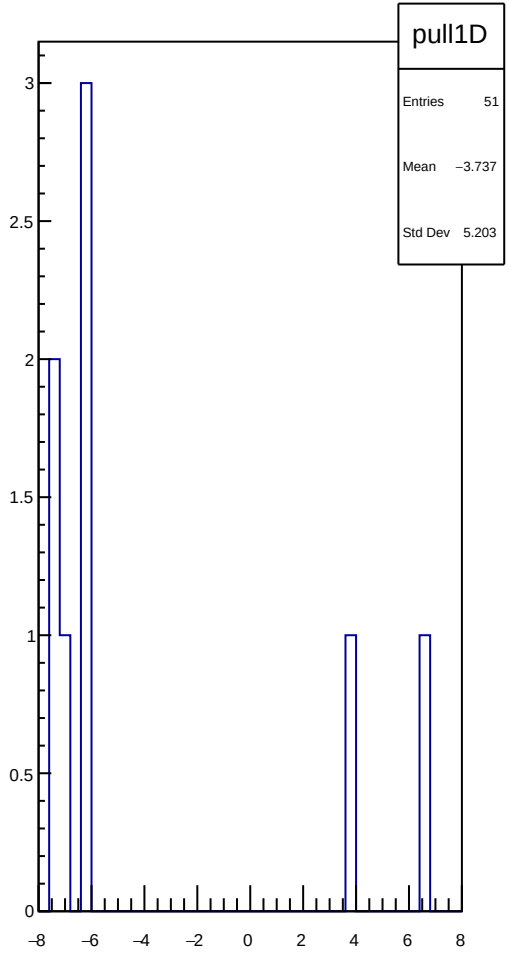

pull1D
Entries 51
Mean 0.125
Std Dev 3.601

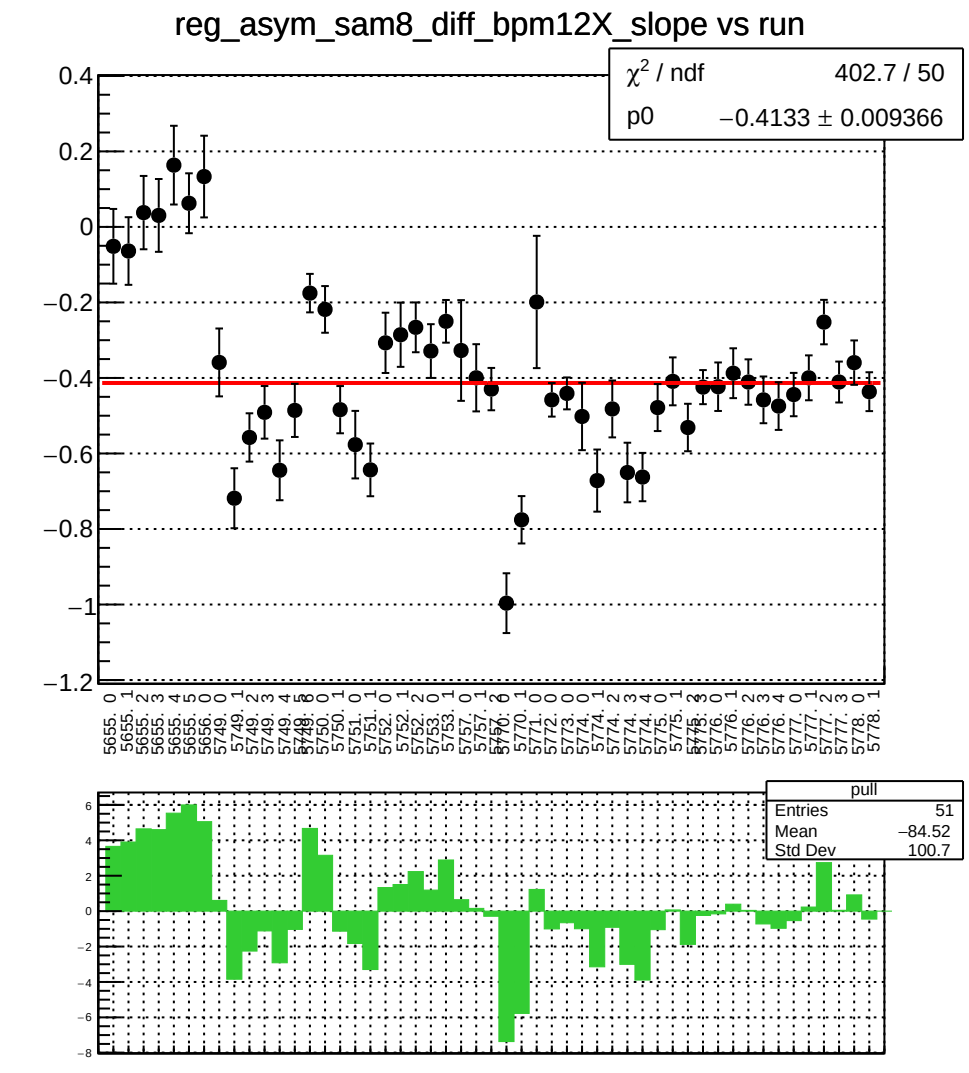

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1.262e+04 / 50
p0 −28.84 ± 0.1713
pull
Entries 51
Mean 110.4
Std Dev 77.82

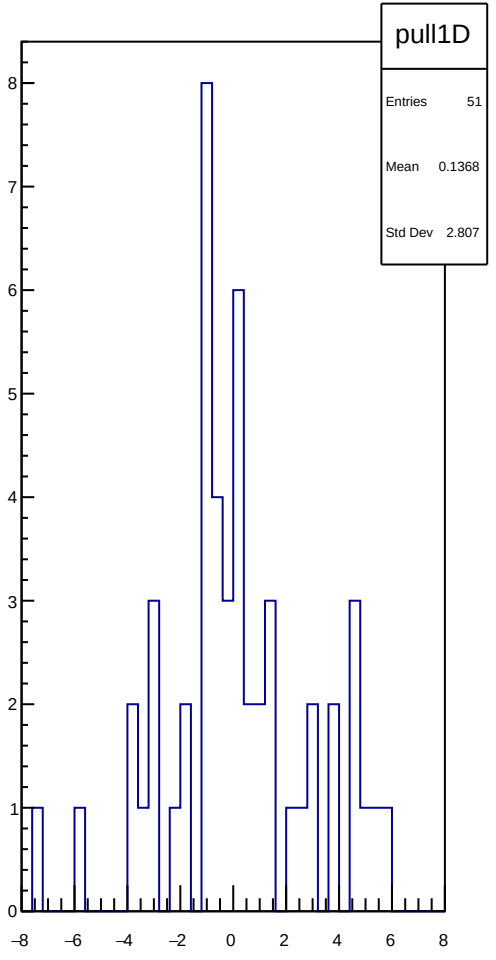

pull1D
Entries 51
Mean 0.9601
Std Dev 3.974

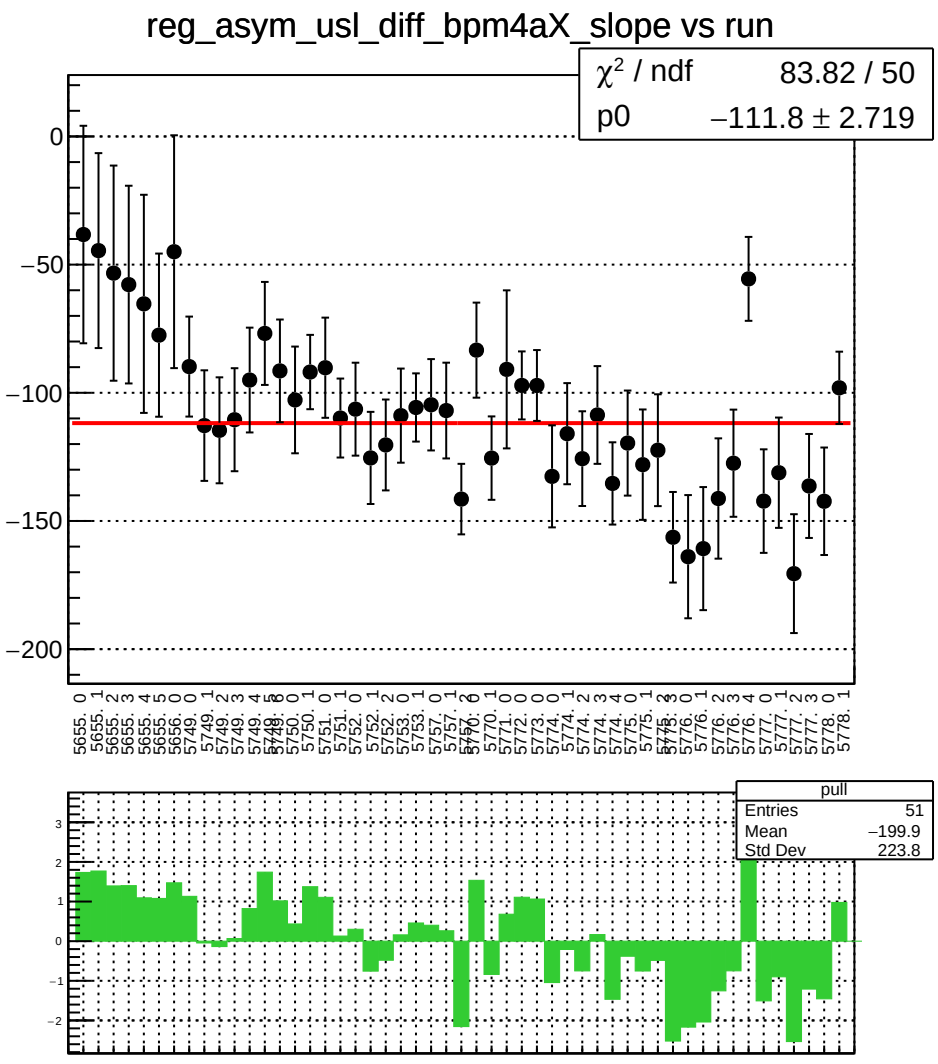

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 782.1 / 50
p0 −43.81 ± 0.195
pull
Entries 51
Mean −3.235
Std Dev 28.92
pull1D
Entries 51
Mean 0.183
Std Dev 3.779

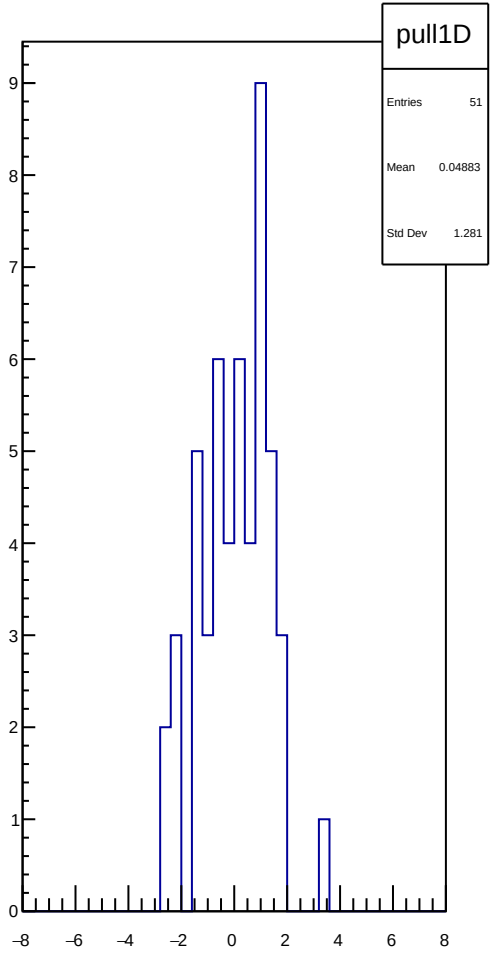

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1.001e+04 / 50
p0 26.71 ± 0.1769
pull
Entries 51
Mean 112.4
Std Dev 77.47

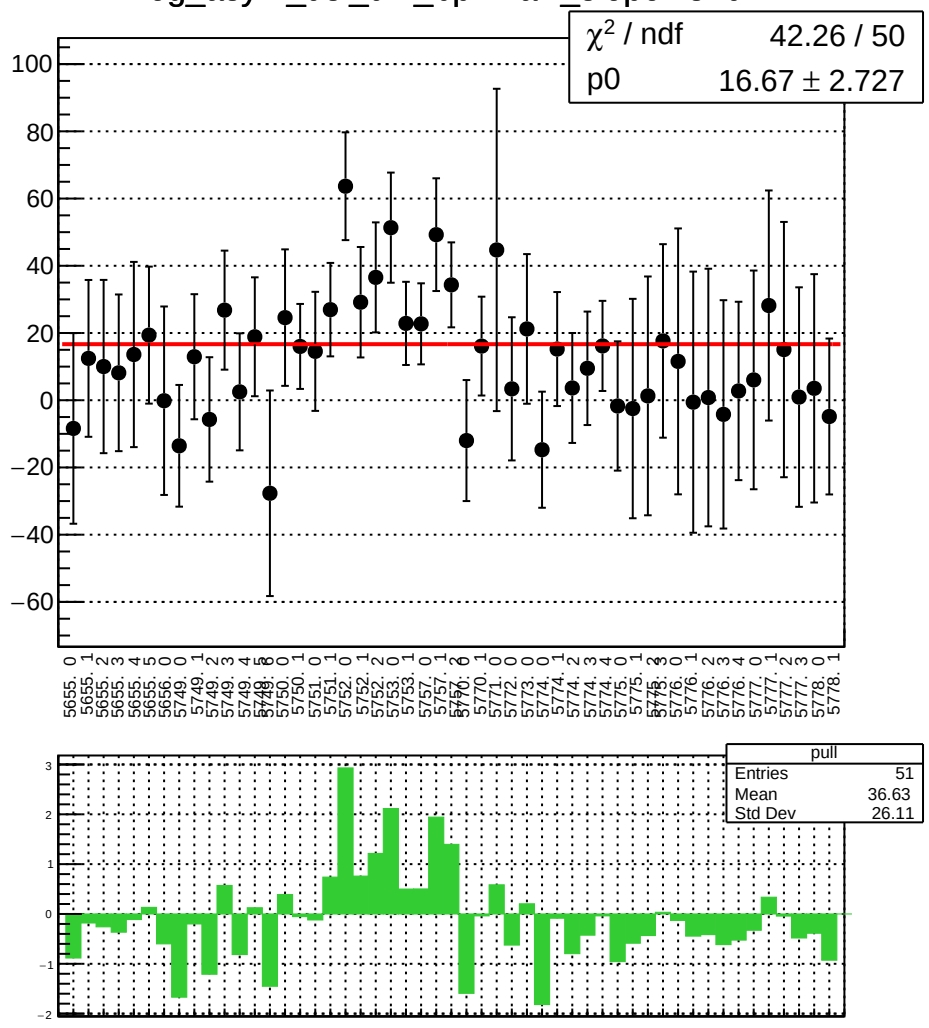

pull1D
Entries 51
Mean −3.737
Std Dev 5.203

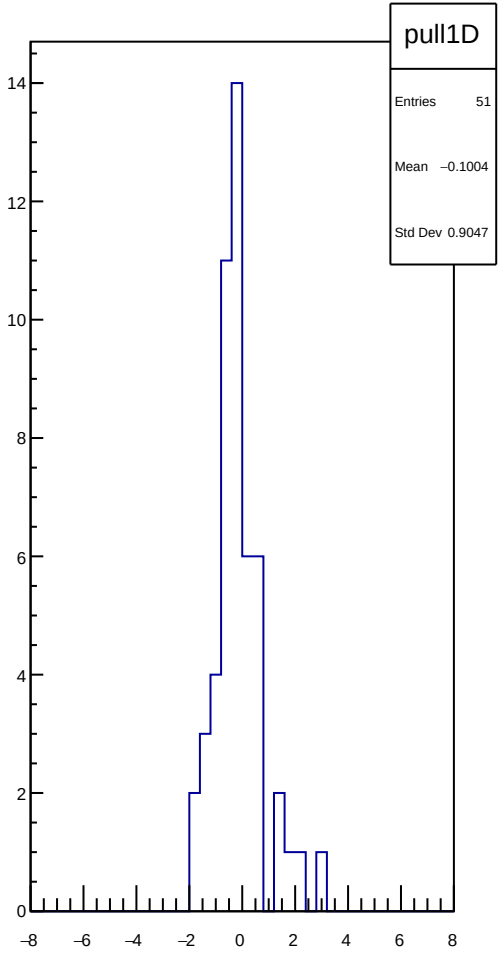

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 402.7 / 50
p0 −0.4133 ± 0.009366
pull
Entries 51
Mean −84.52
Std Dev 100.7

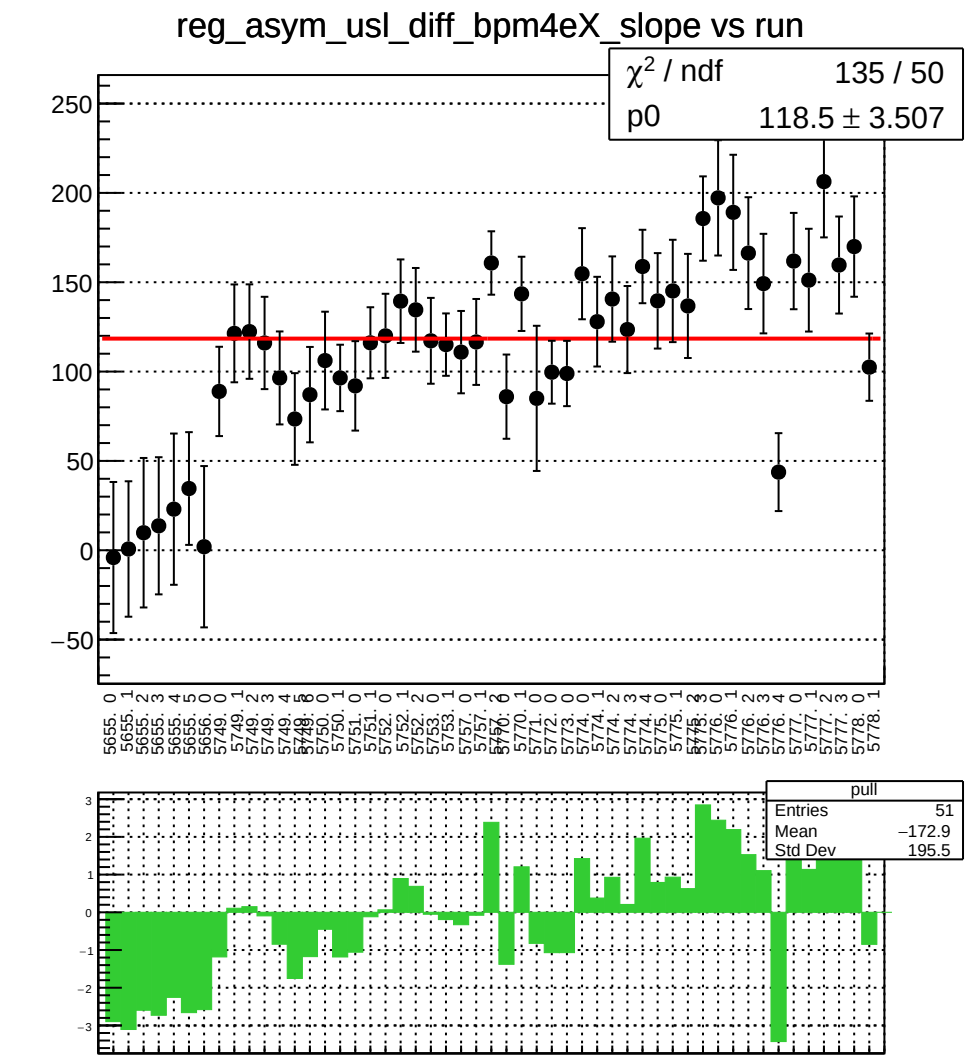

pull1D
Entries 51
Mean 0.1368
Std Dev 2.807

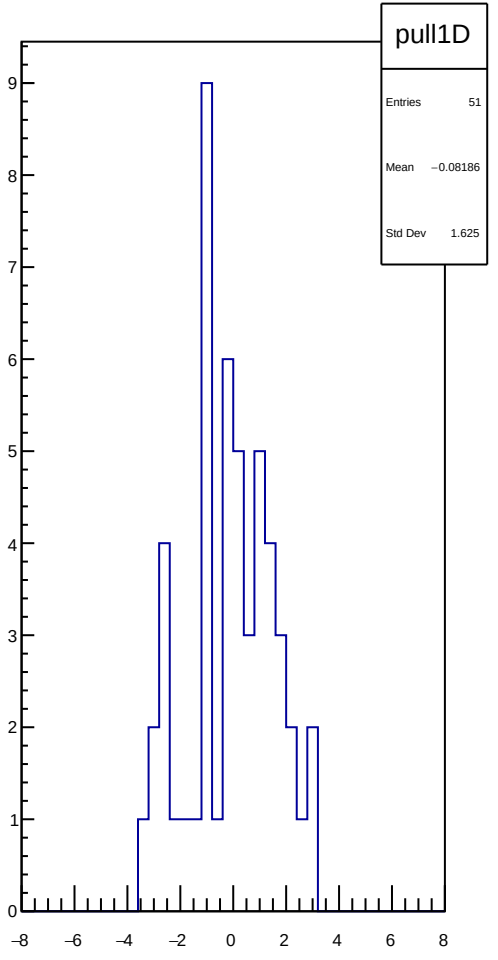

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 83.82 / 50
p0 −111.8 ± 2.719
pull
Entries 51
Mean −199.9
Std Dev 223.8

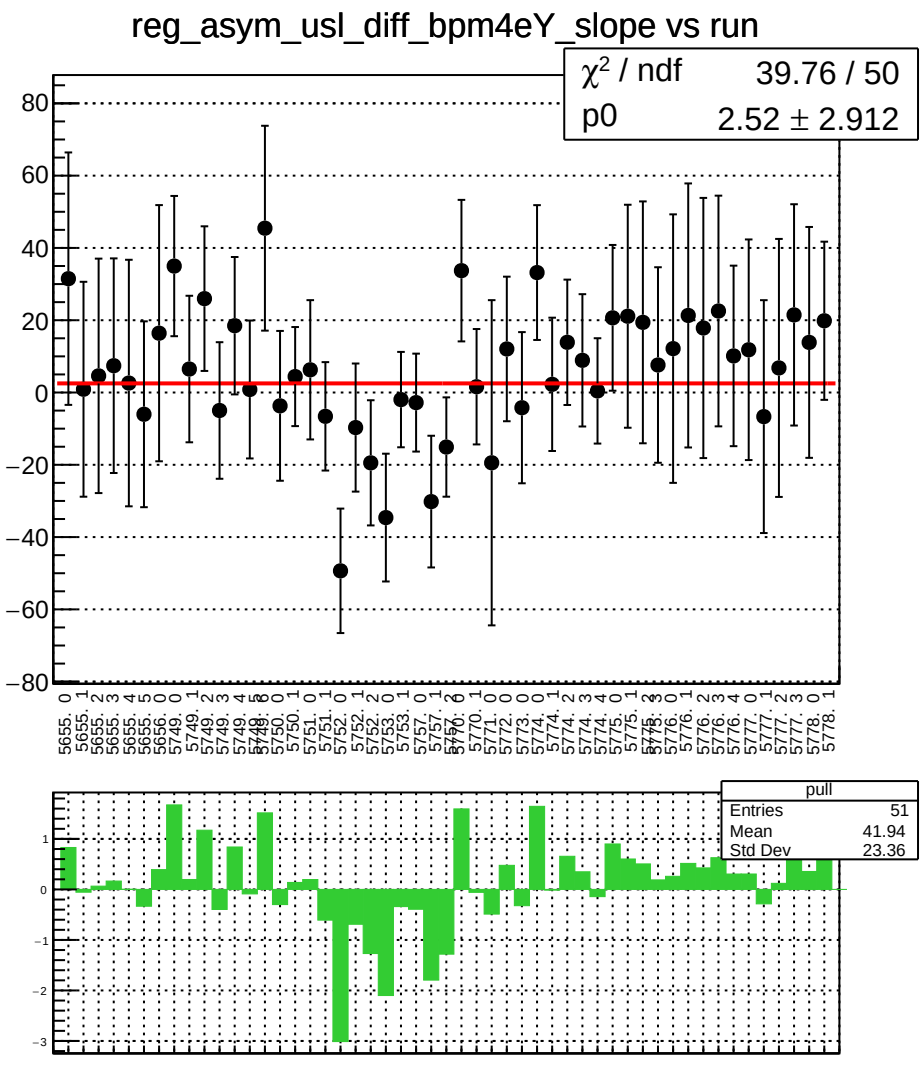

pull1D
Entries 51
Mean 0.04883
Std Dev 1.281

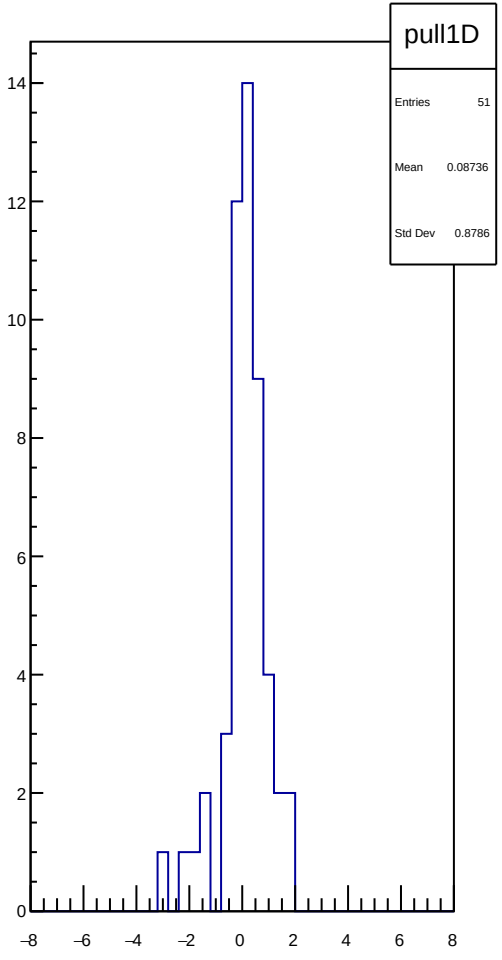

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.26 / 50
p0 16.67 ± 2.727
pull
Entries 51
Mean 36.63
Std Dev 26.11

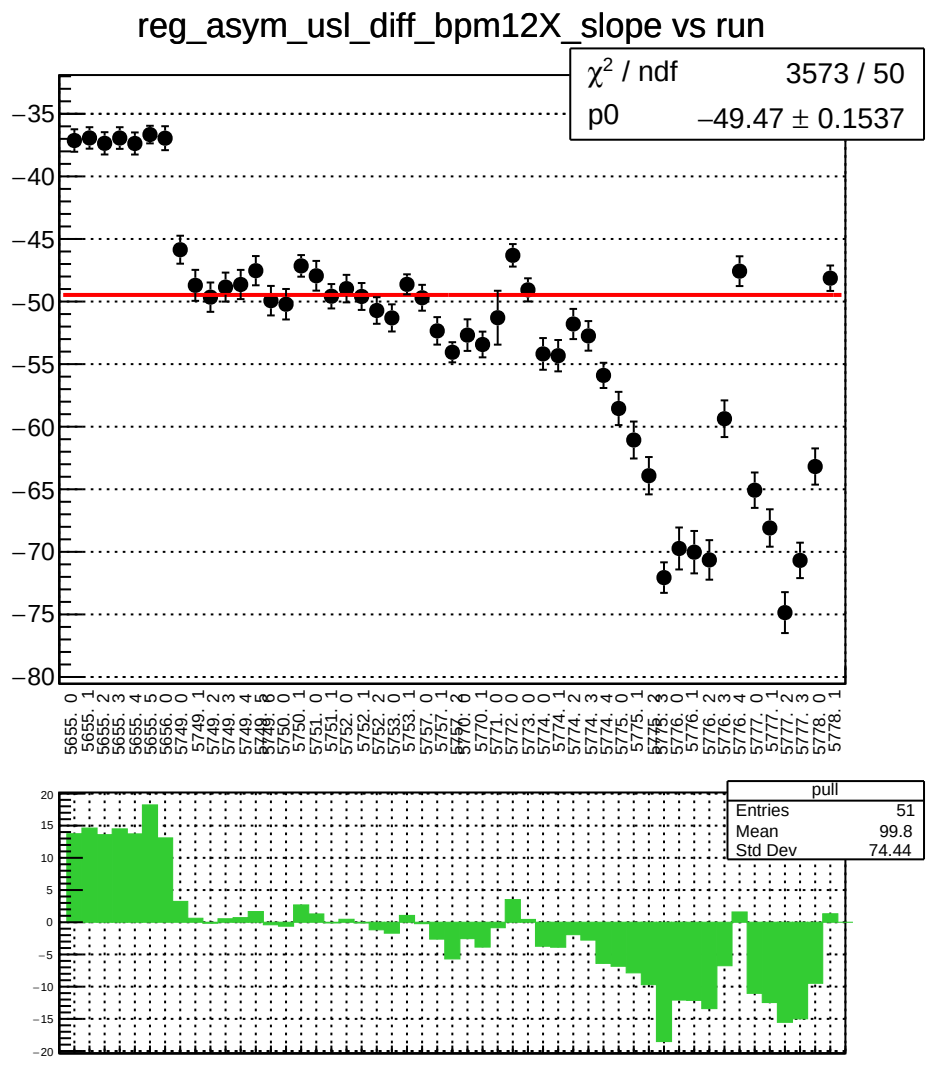

pull1D
Entries 51
Mean −0.1004
Std Dev 0.9047

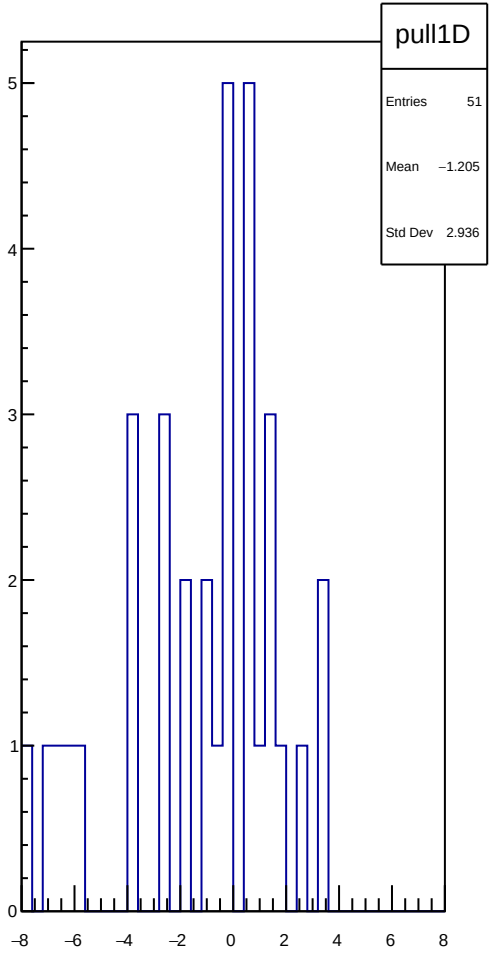

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 135 / 50
p0 118.5 ± 3.507
pull
Entries 51
Mean −172.9
Std Dev 195.5

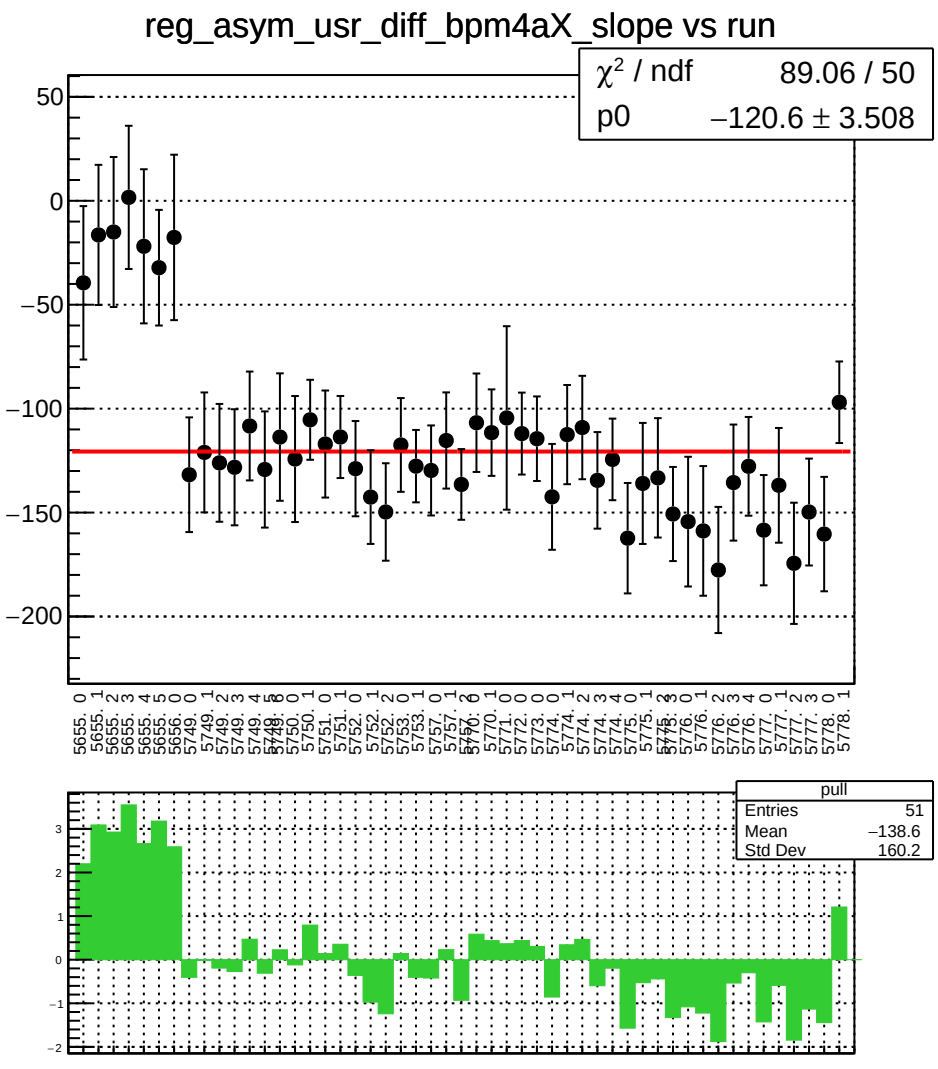

pull1D
Entries 51
Mean −0.08186
Std Dev 1.625

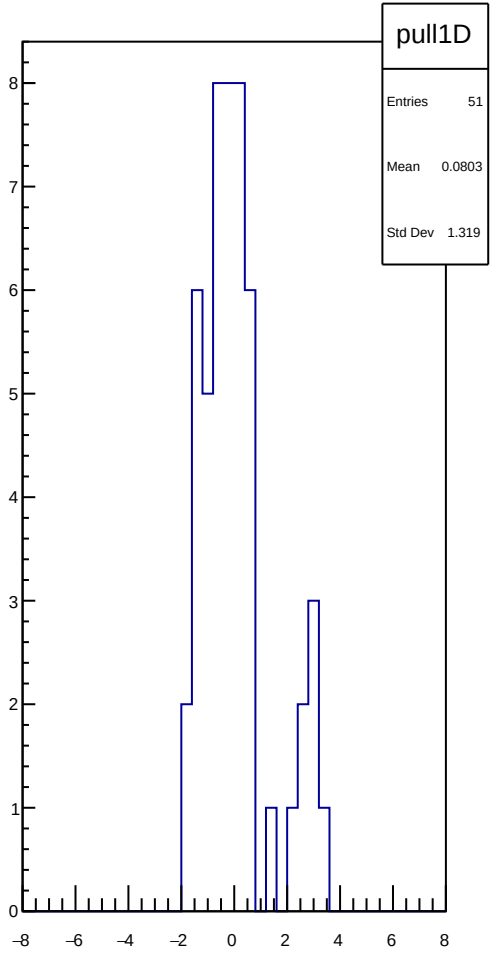

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.76 / 50
p0 2.52 ± 2.912
pull
Entries 51
Mean 41.94
Std Dev 23.36

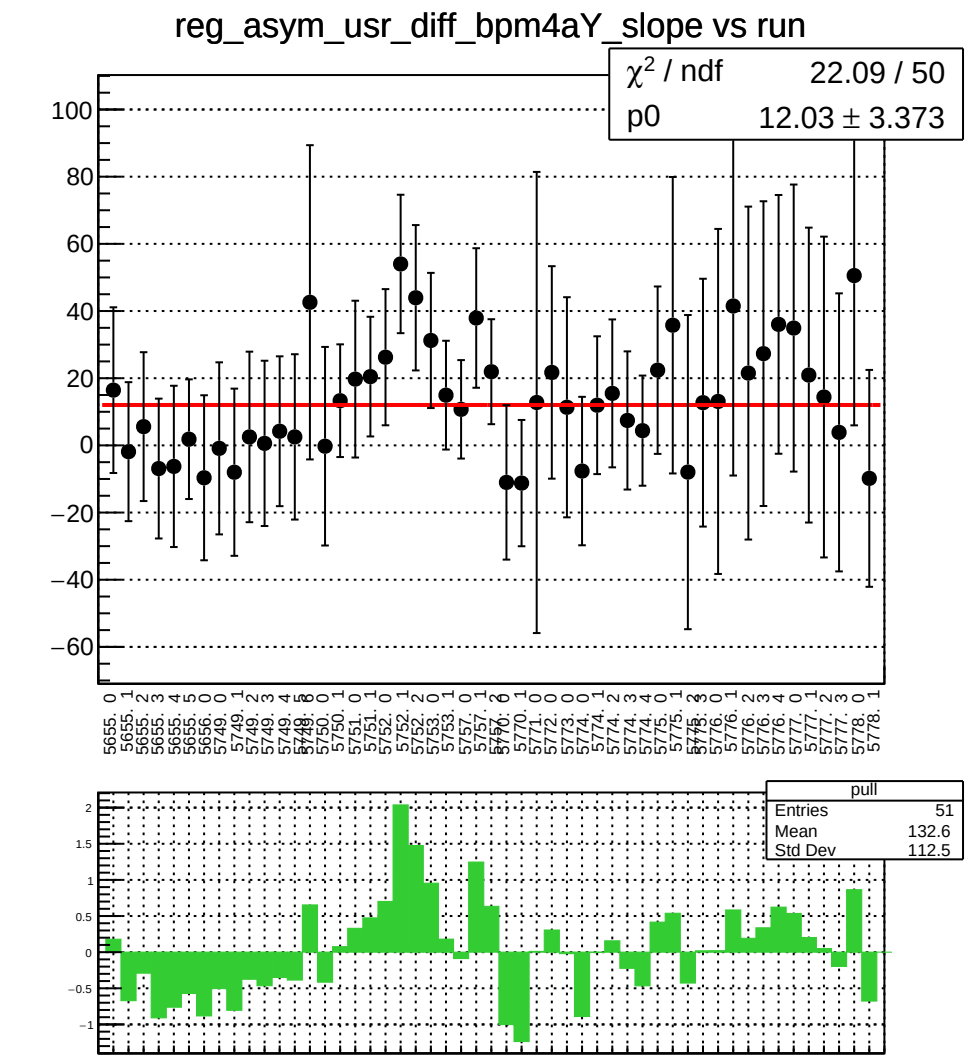

pull1D
Entries 51
Mean 0.08736
Std Dev 0.8786

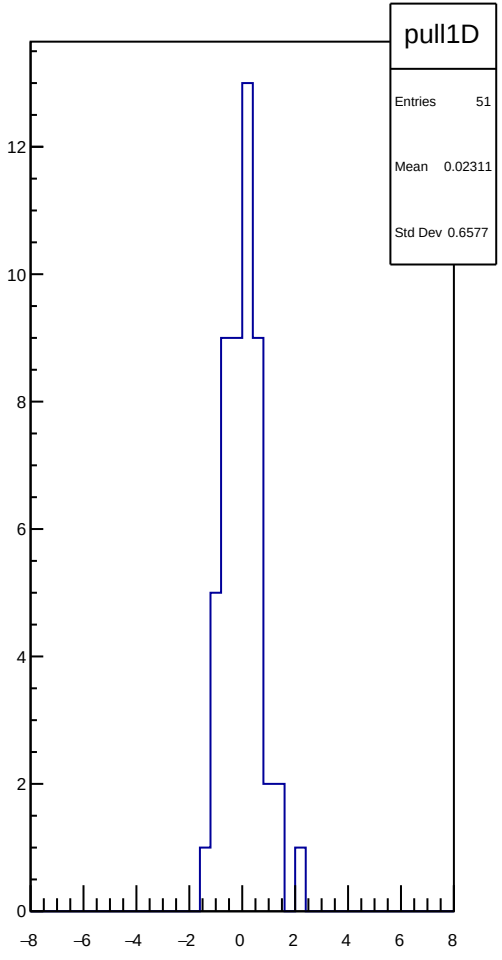

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 3573 / 50
p0 −49.47 ± 0.1537
pull
Entries 51
Mean 99.8
Std Dev 74.44

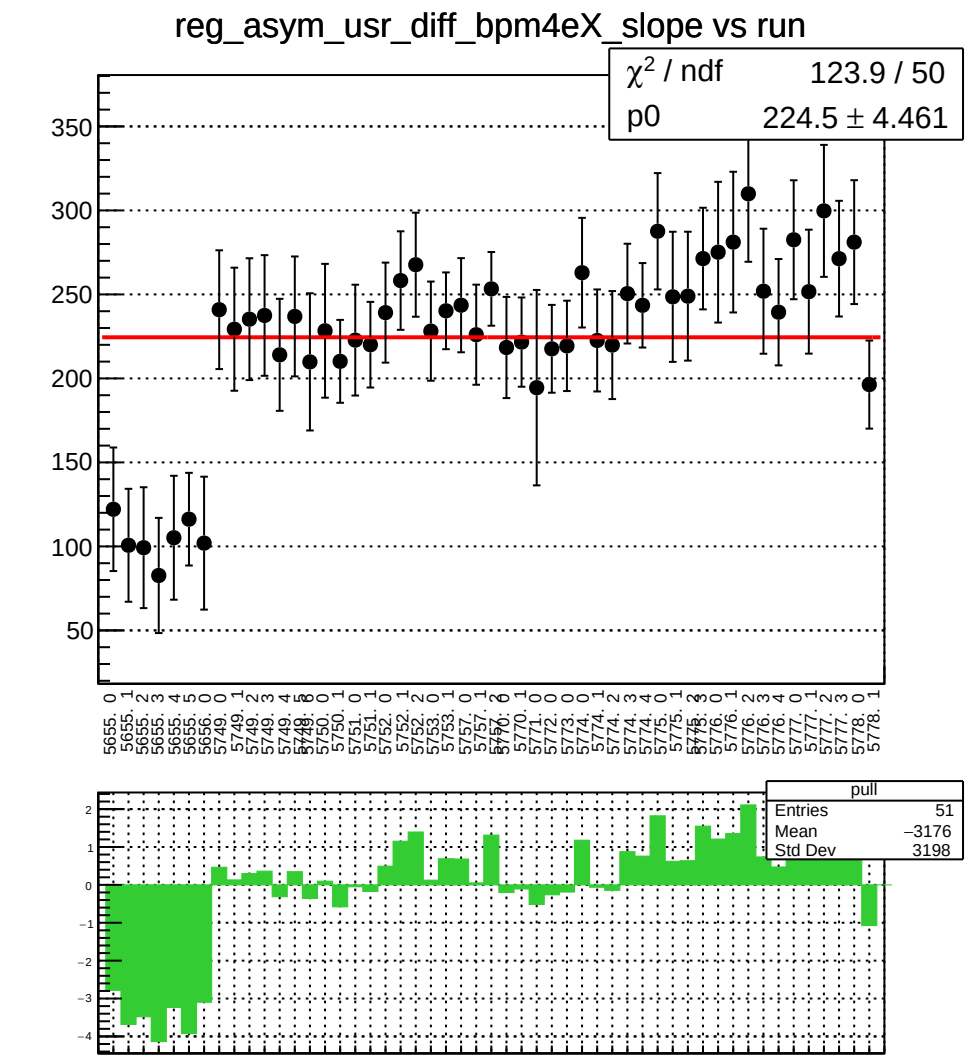

pull1D
Entries 51
Mean −1.205
Std Dev 2.936

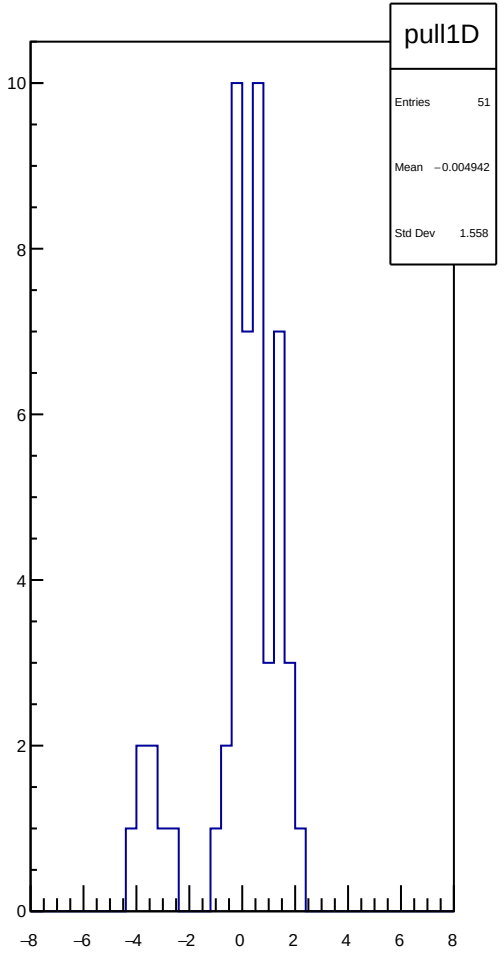

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 89.06 / 50
p0 −120.6 ± 3.508
pull
Entries 51
Mean −138.6
Std Dev 160.2

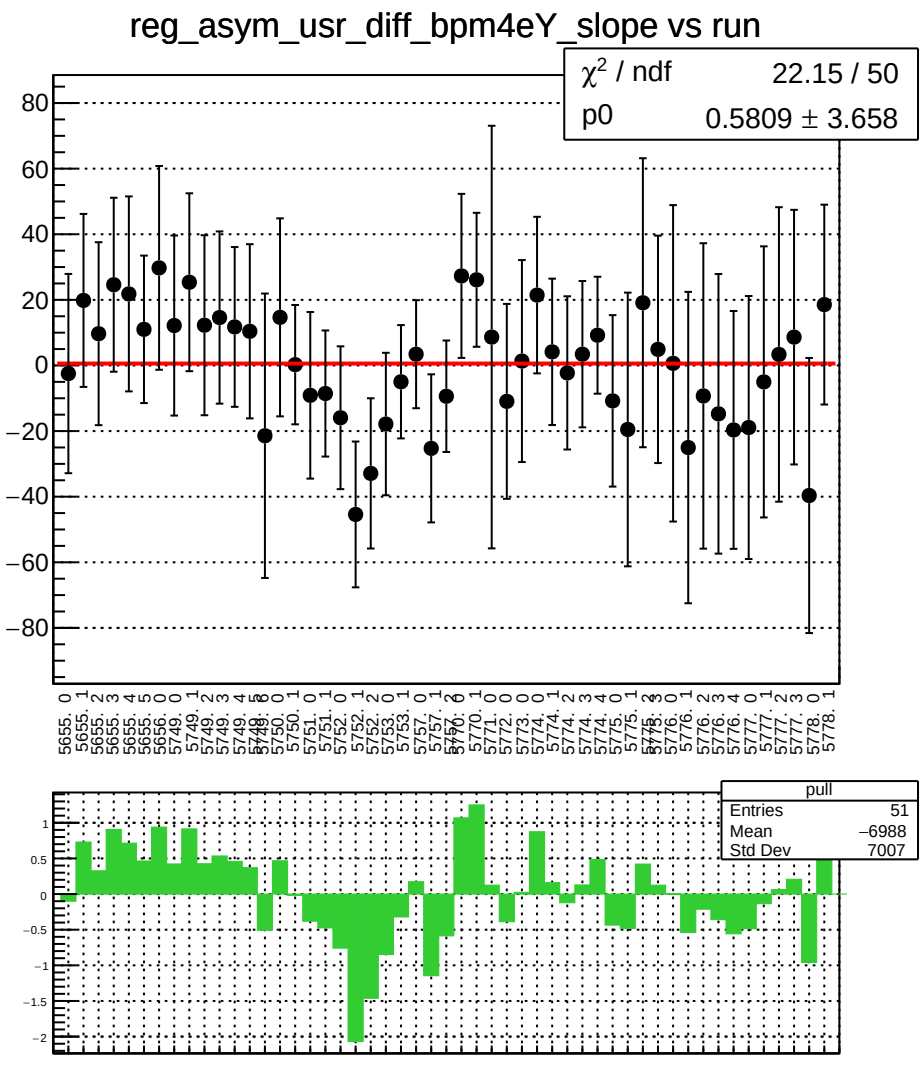

pull1D
Entries 51
Mean 0.0803
Std Dev 1.319

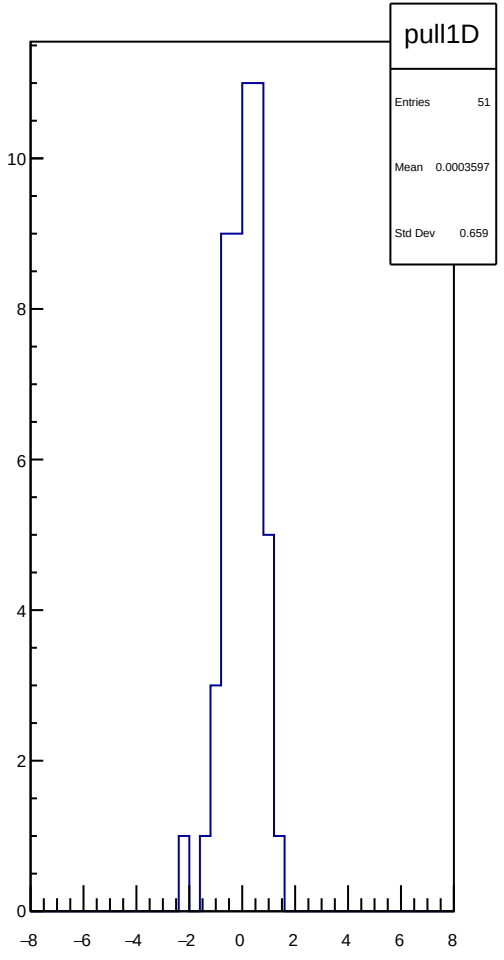

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 50
p0 12.03 ± 3.373
pull
Entries 51
Mean 132.6
Std Dev 112.5

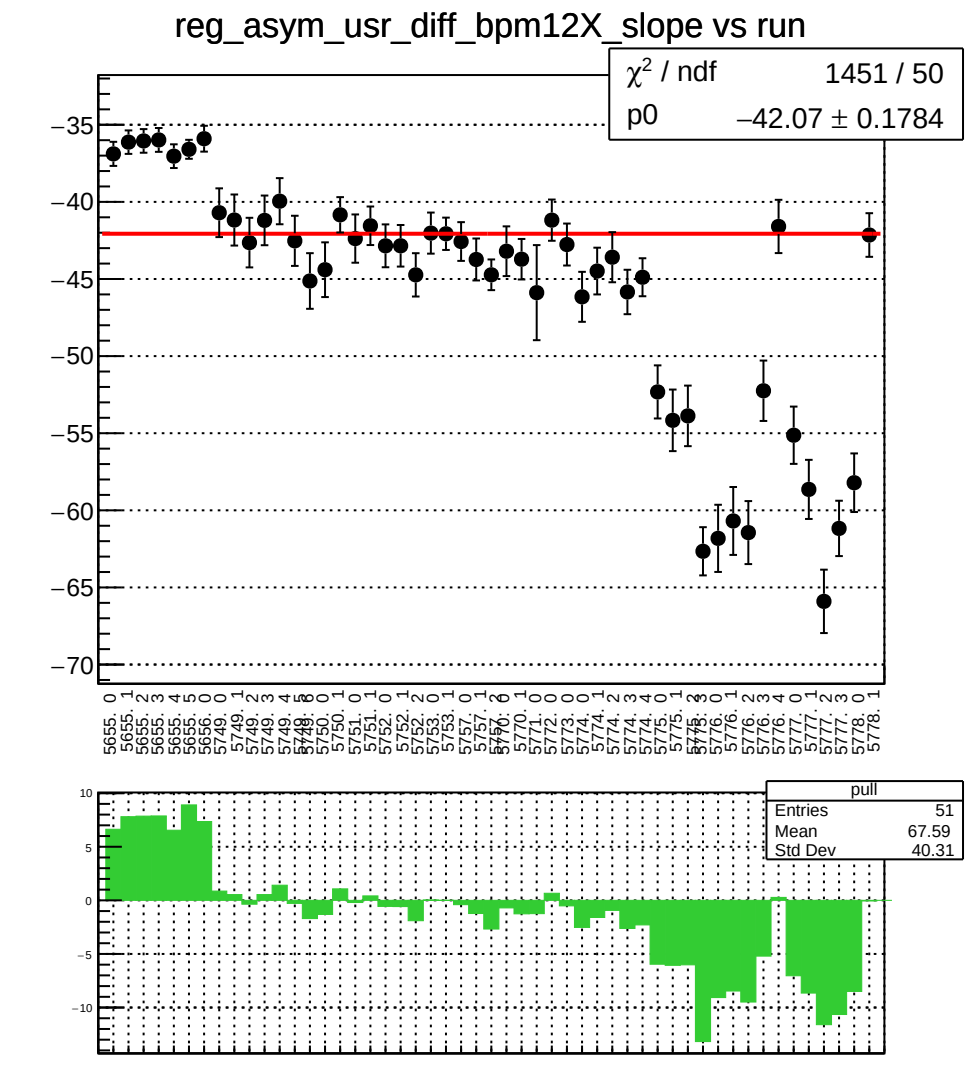

pull1D
Entries 51
Mean 0.02311
Std Dev 0.6577

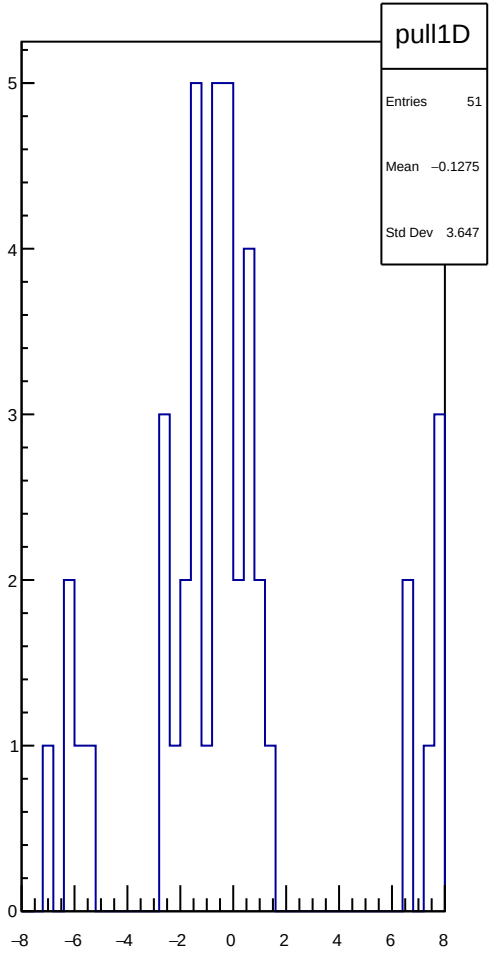

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 123.9 / 50
p0 224.5 ± 4.461
pull
Entries 51
Mean −3176
Std Dev 3198

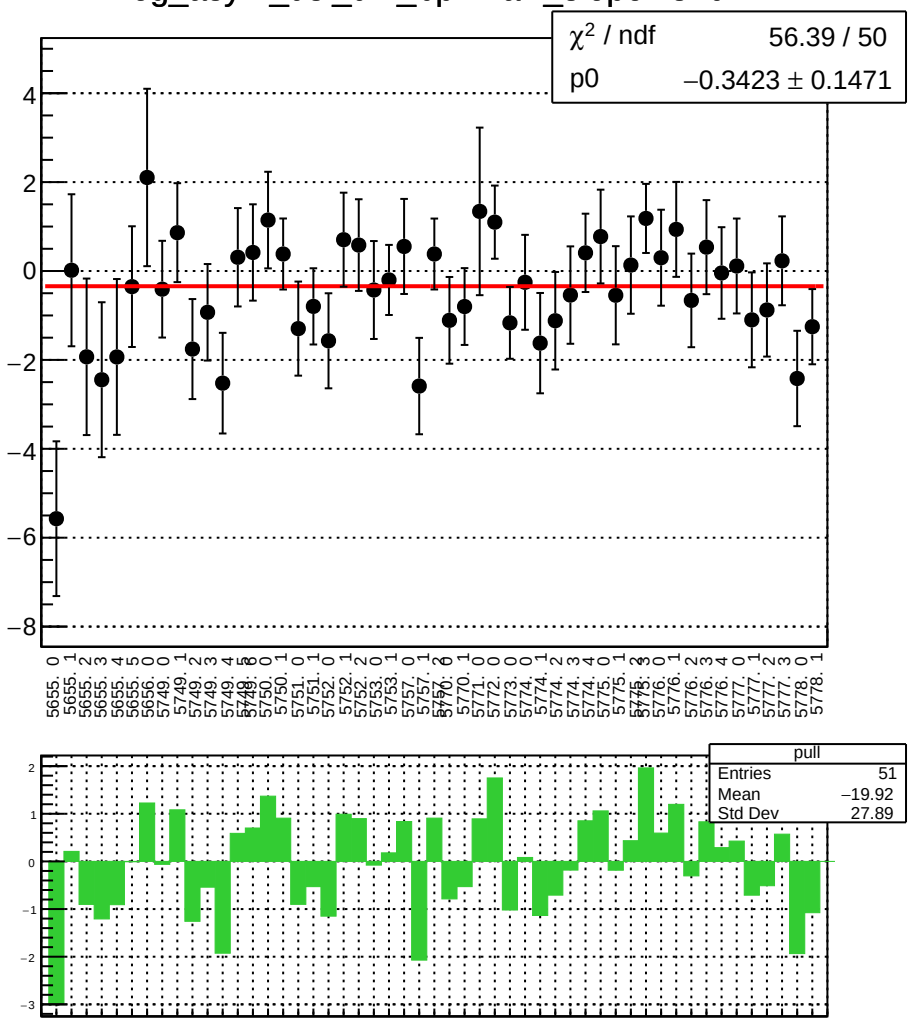

pull1D
Entries 51
Mean −0.004942
Std Dev 1.558

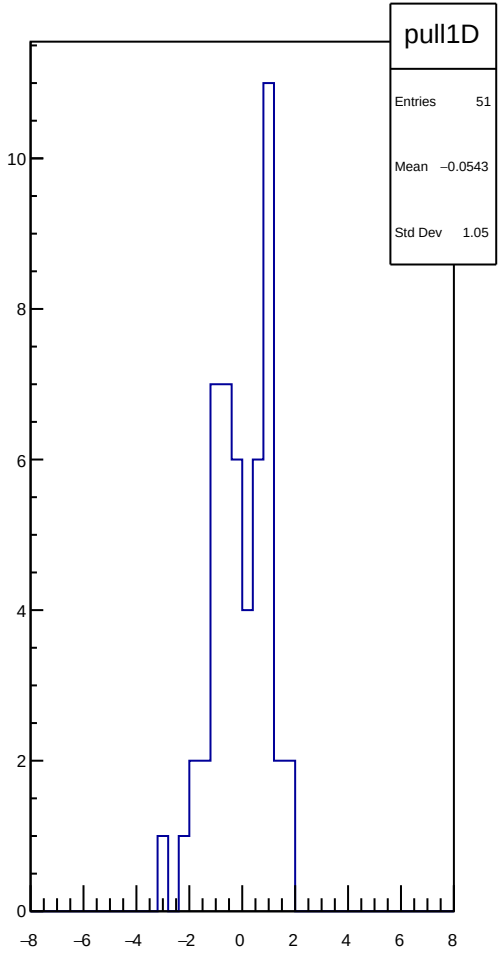

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 22.15 / 50
p0 0.5809 ± 3.658
pull
Entries 51
Mean −6988
Std Dev 7007

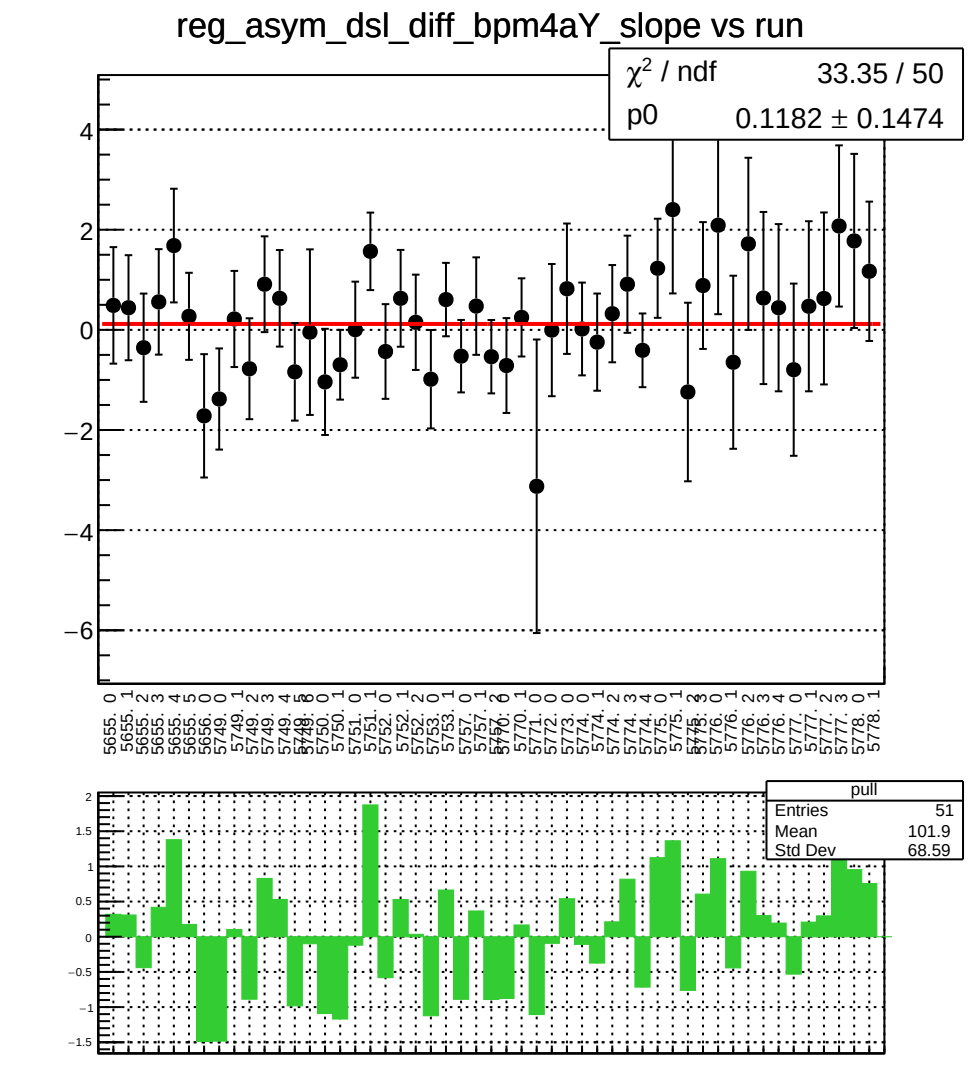

pull1D
Entries 51
Mean 0.0003597
Std Dev 0.659

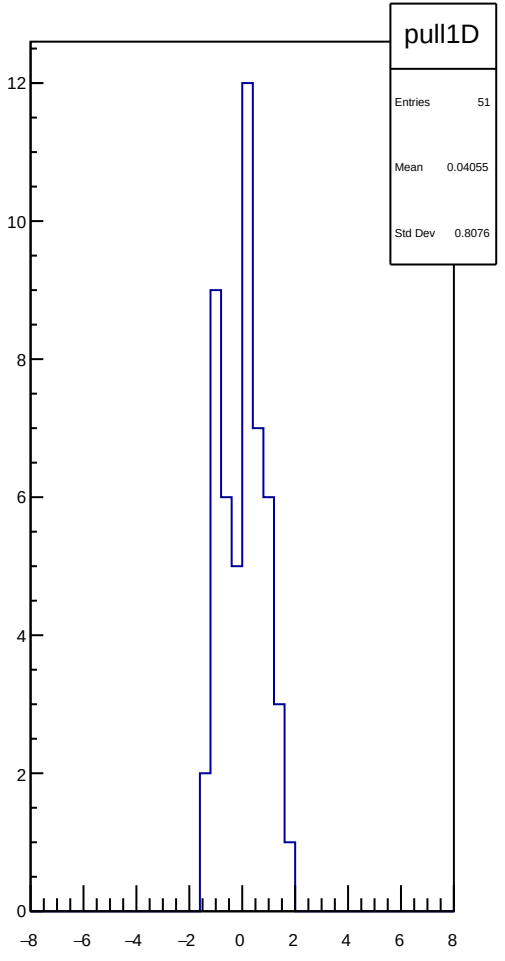

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1451 / 50
p0 −42.07 ± 0.1784
pull
Entries 51
Mean 67.59
Std Dev 40.31

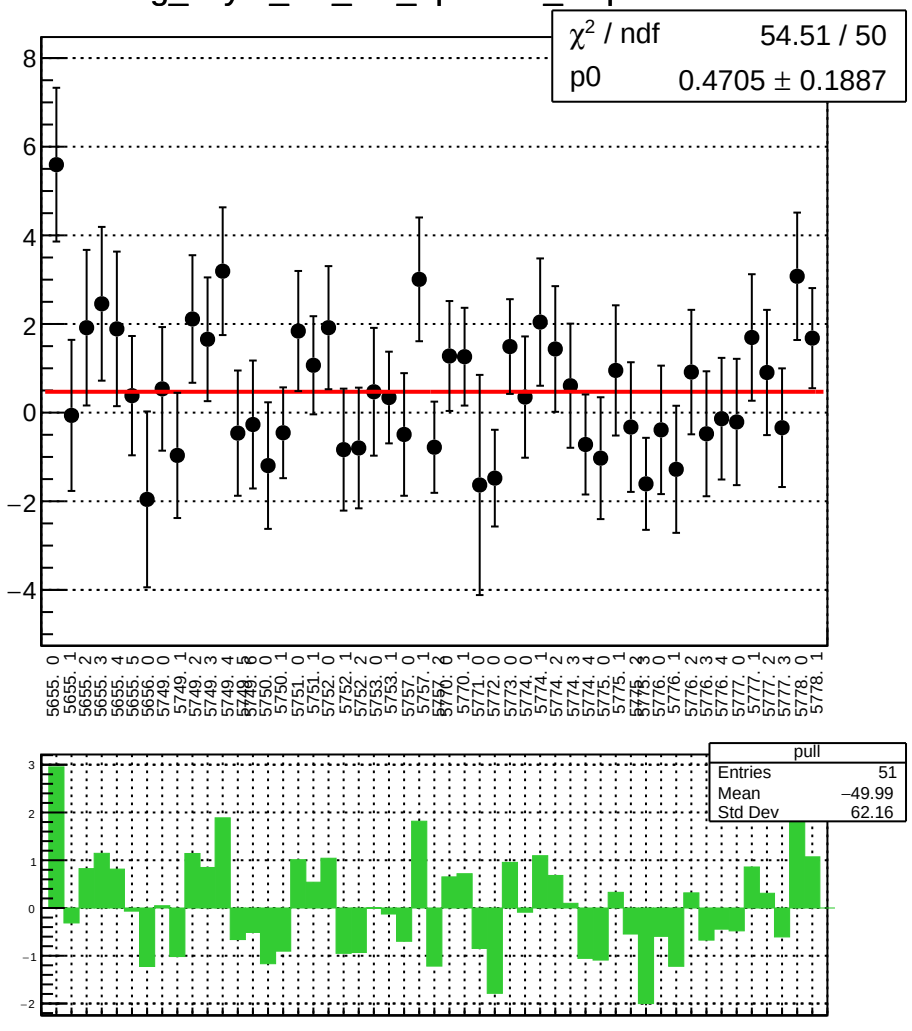

pull1D
Entries 51
Mean −0.1275
Std Dev 3.647

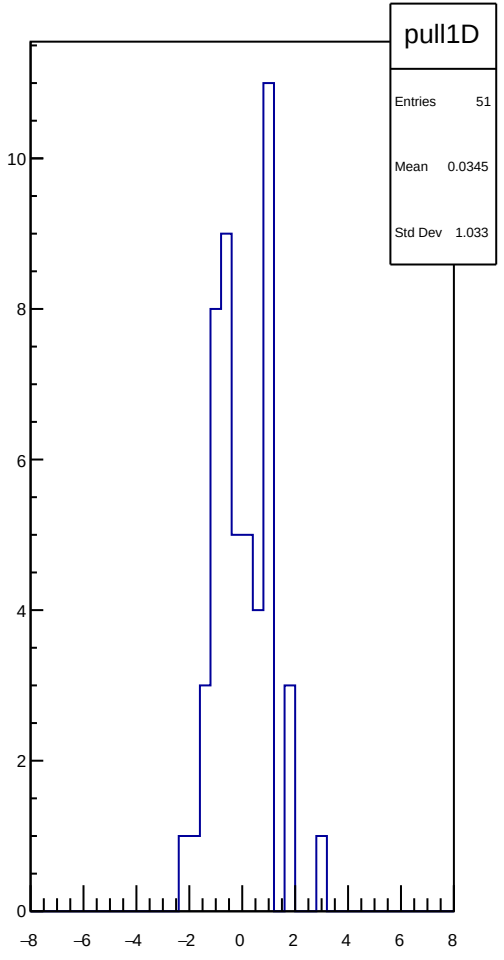

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 56.39 / 50
p0 −0.3423 ± 0.1471
pull
Entries 51
Mean −19.92
Std Dev 27.89

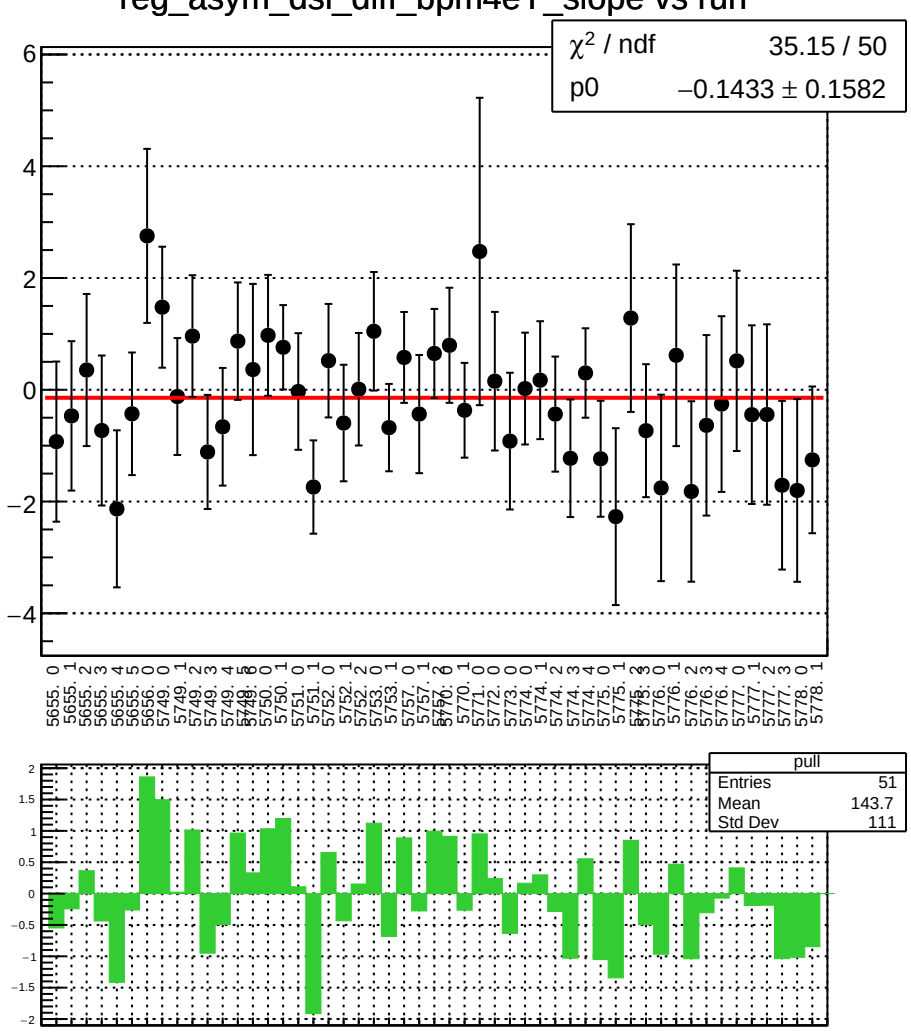

pull1D
Entries 51
Mean −0.0543
Std Dev 1.05

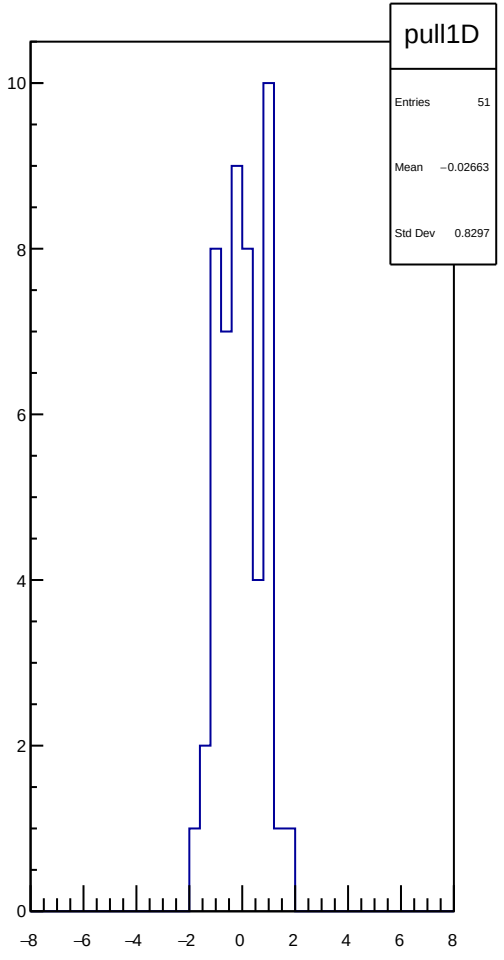

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 33.35 / 50
p0 0.1182 ± 0.1474
pull
Entries 51
Mean 101.9
Std Dev 68.59

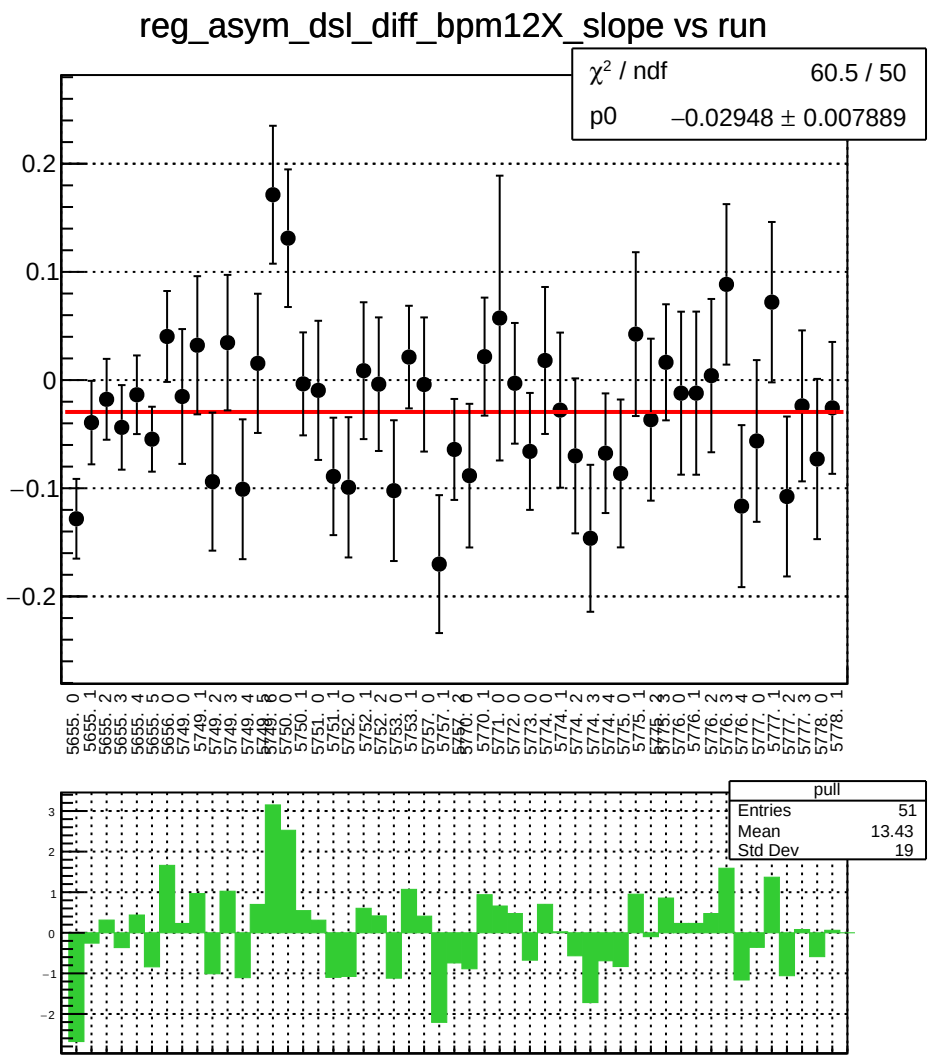

pull1D
Entries 51
Mean 0.04055
Std Dev 0.8076

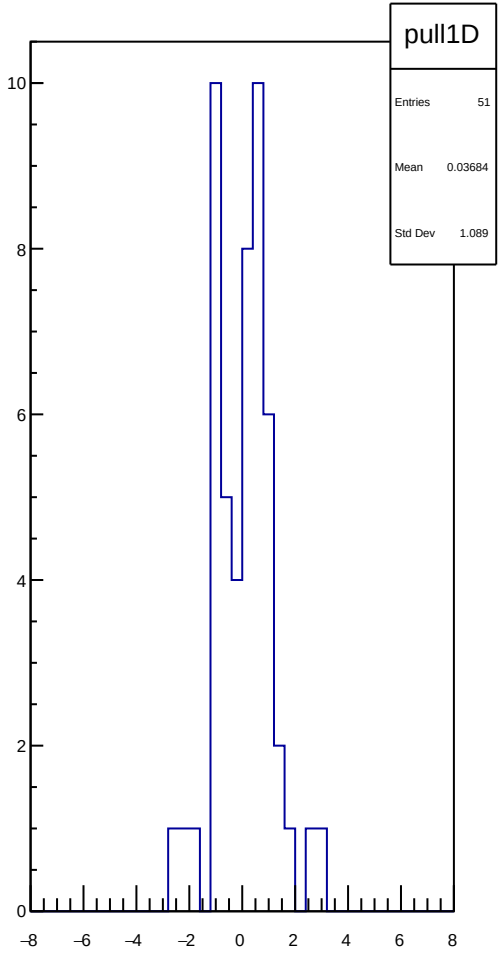

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 54.51 / 50
p0 0.4705 ± 0.1887
pull
Entries 51
Mean −49.99
Std Dev 62.16

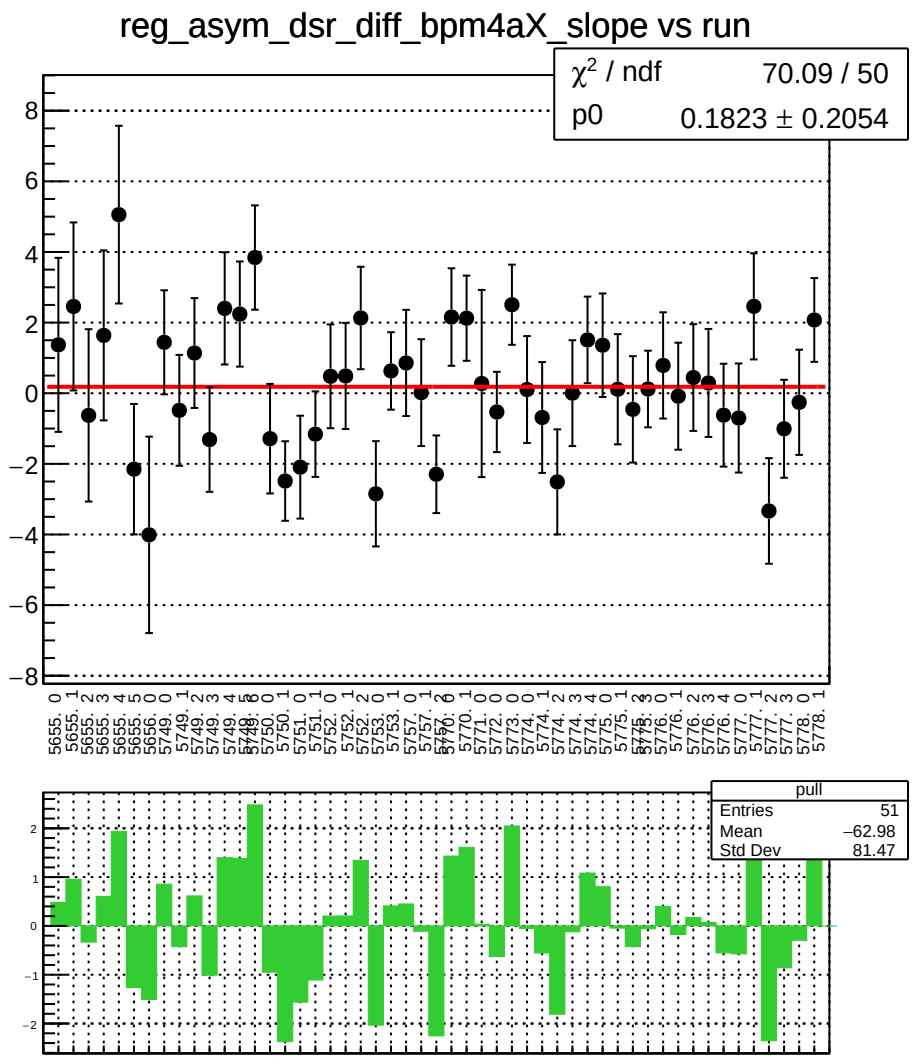

pull1D
Entries 51
Mean 0.0345
Std Dev 1.033

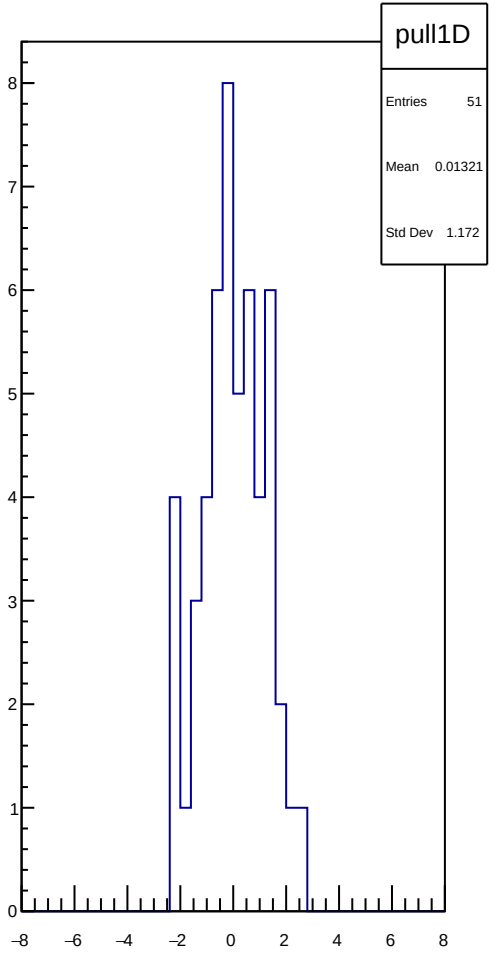

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 35.15 / 50
p0 −0.1433 ± 0.1582
pull
Entries 51
Mean 143.7
Std Dev 111

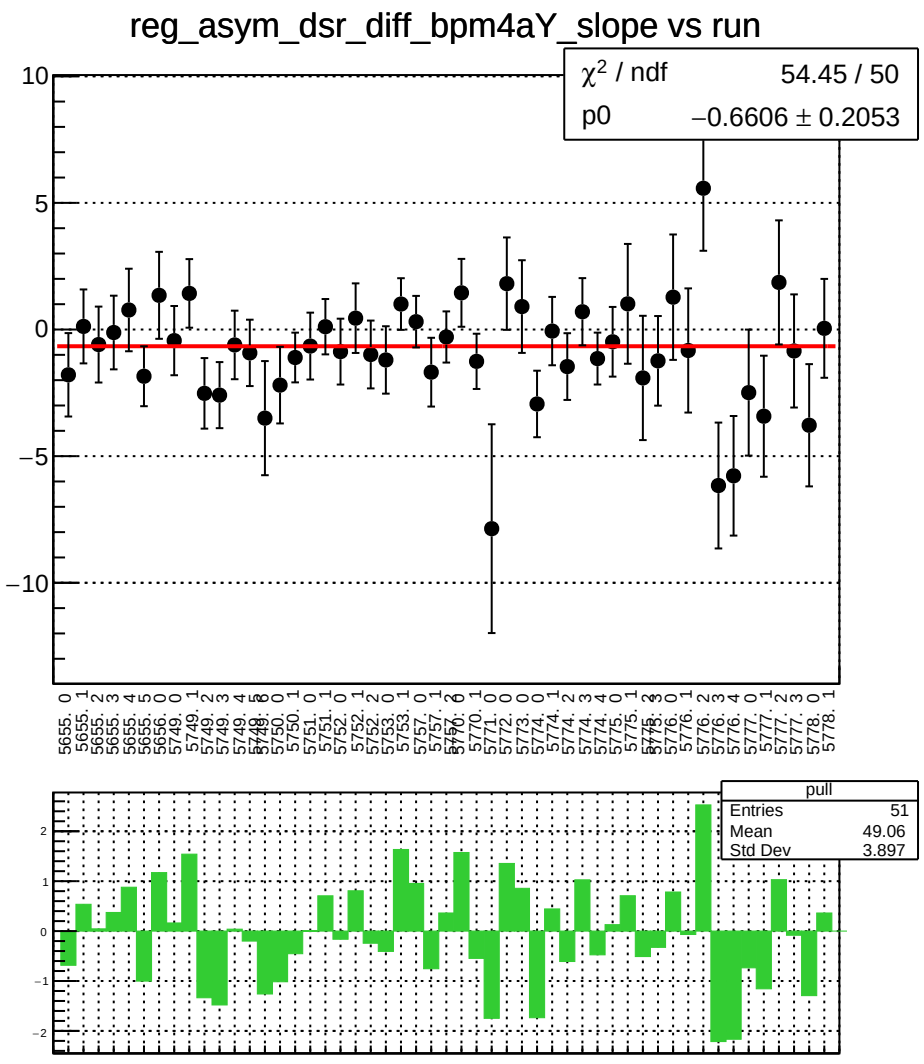

pull1D
Entries 51
Mean −0.02663
Std Dev 0.8297

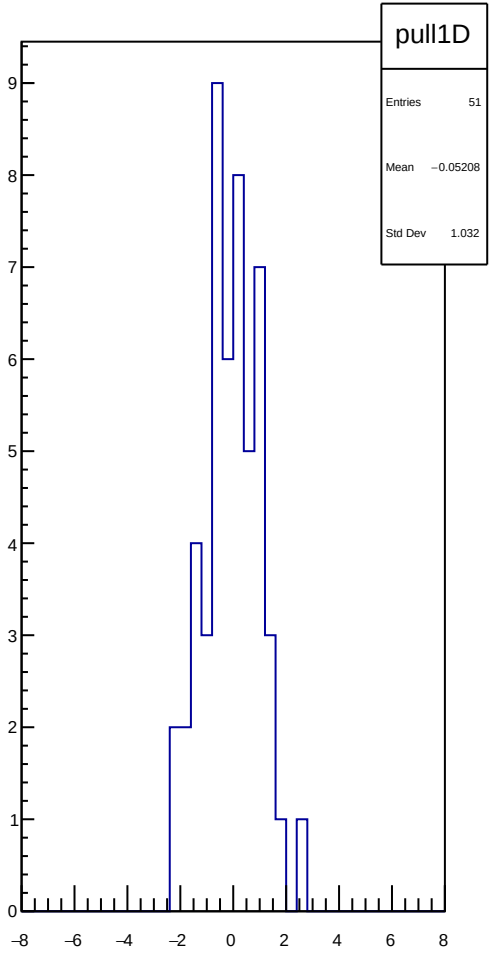

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 60.5 / 50
p0 −0.02948 ± 0.007889
pull
Entries 51
Mean 13.43
Std Dev 19

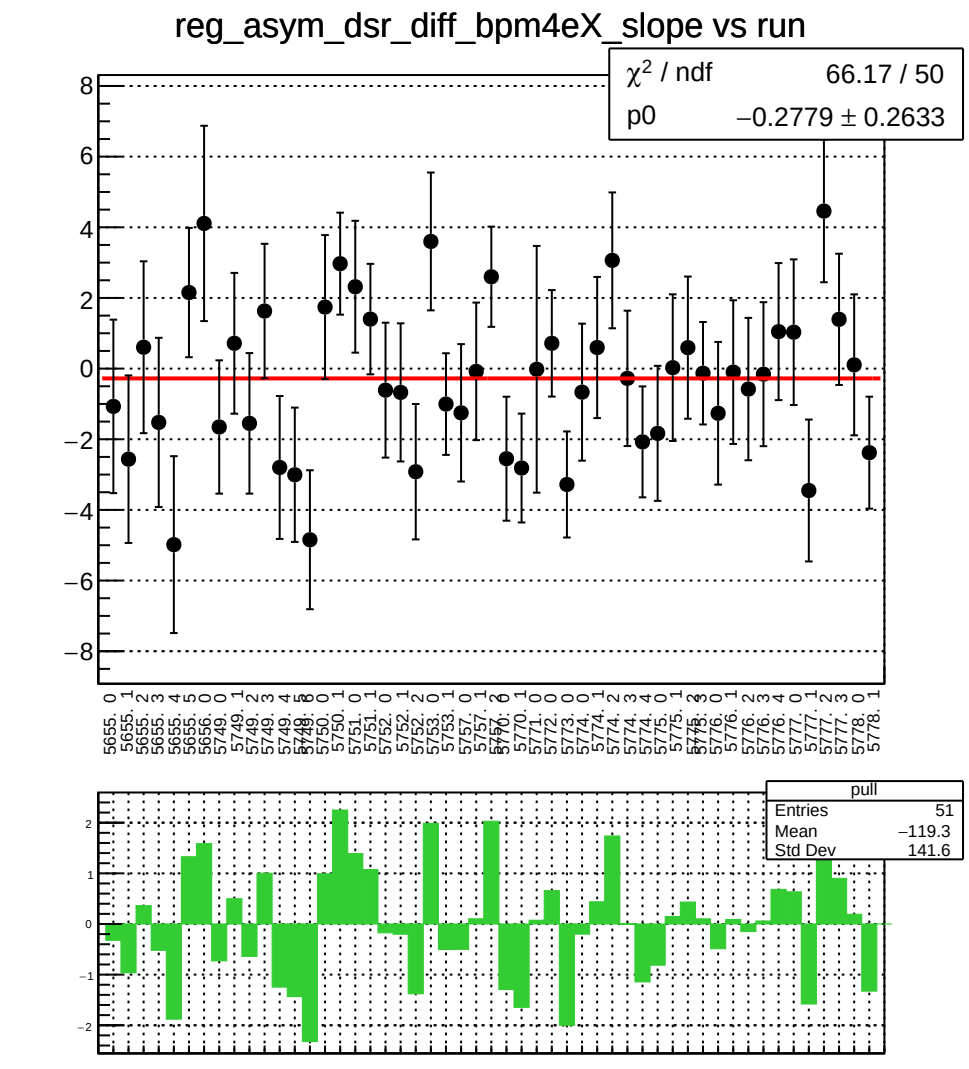

pull1D
Entries 51
Mean 0.03684
Std Dev 1.089

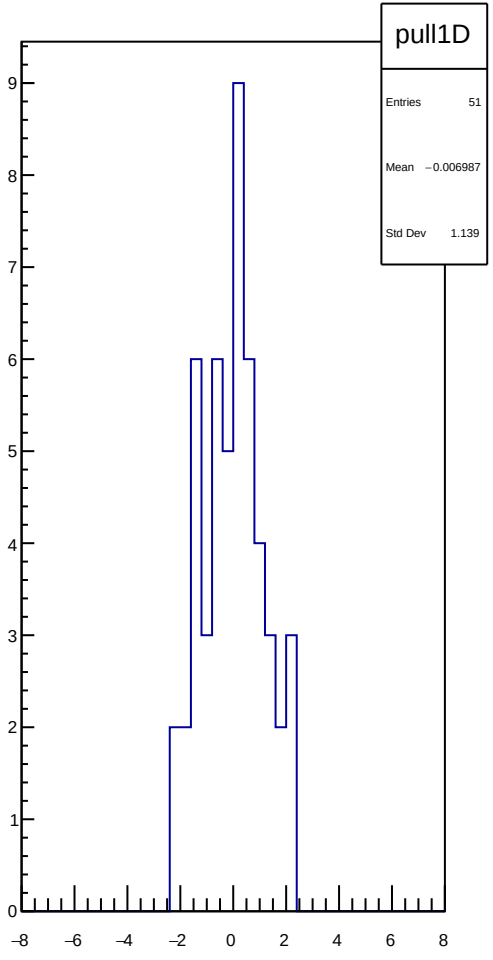

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 70.09 / 50
p0 0.1823 ± 0.2054
pull
Entries 51
Mean −62.98
Std Dev 81.47

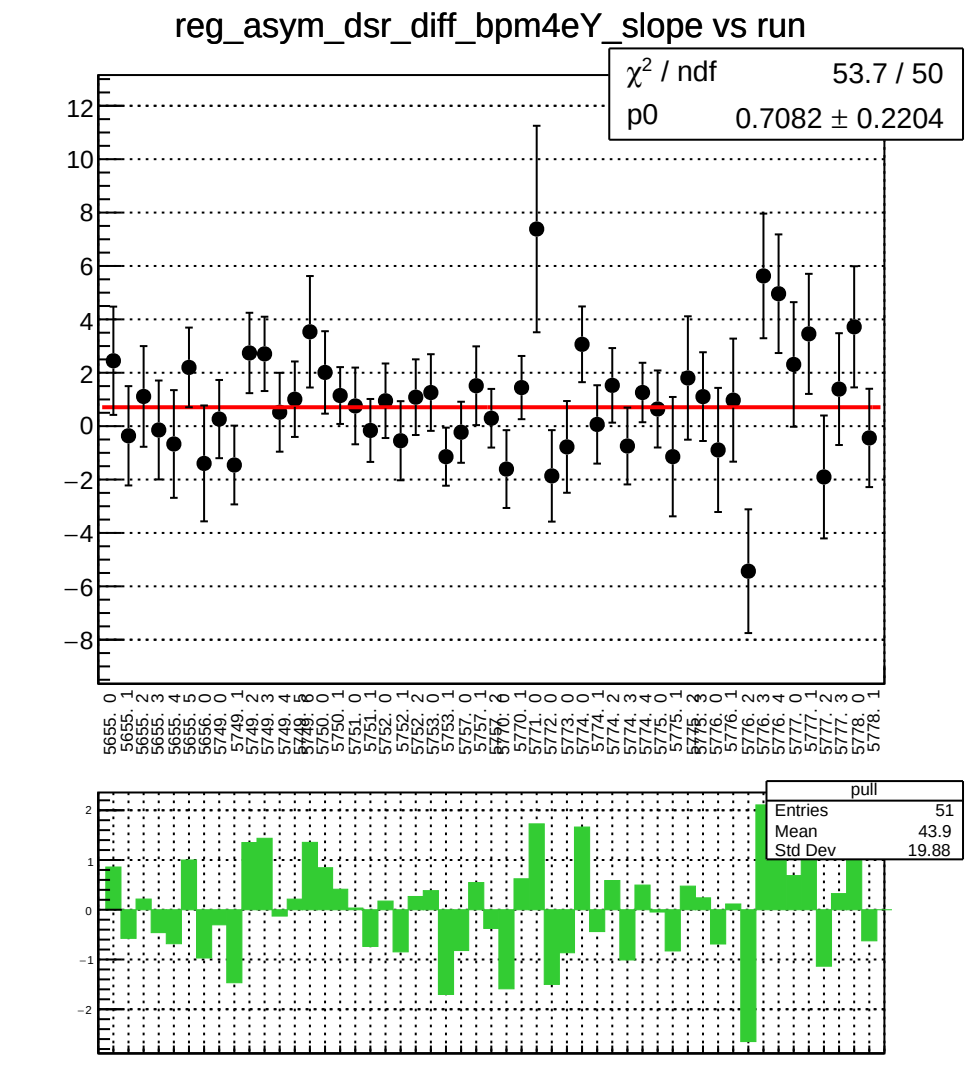

pull1D
Entries 51
Mean 0.01321
Std Dev 1.172

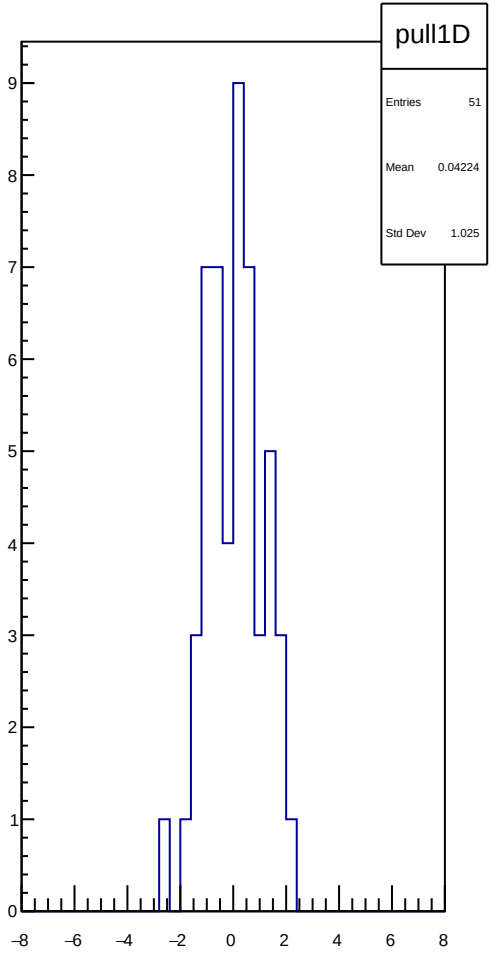

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 54.45 / 50
p0 −0.6606 ± 0.2053
pull
Entries 51
Mean 49.06
Std Dev 3.897

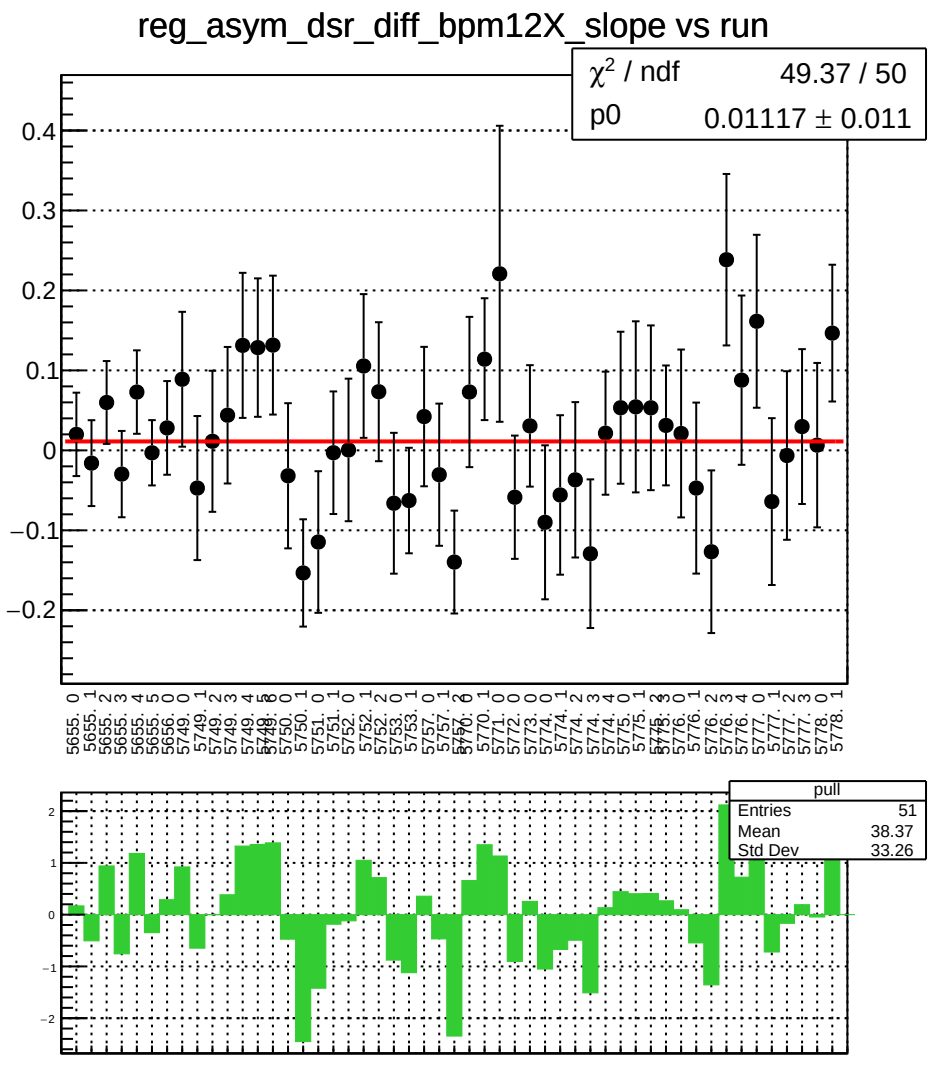

pull1D
Entries 51
Mean −0.05208
Std Dev 1.032

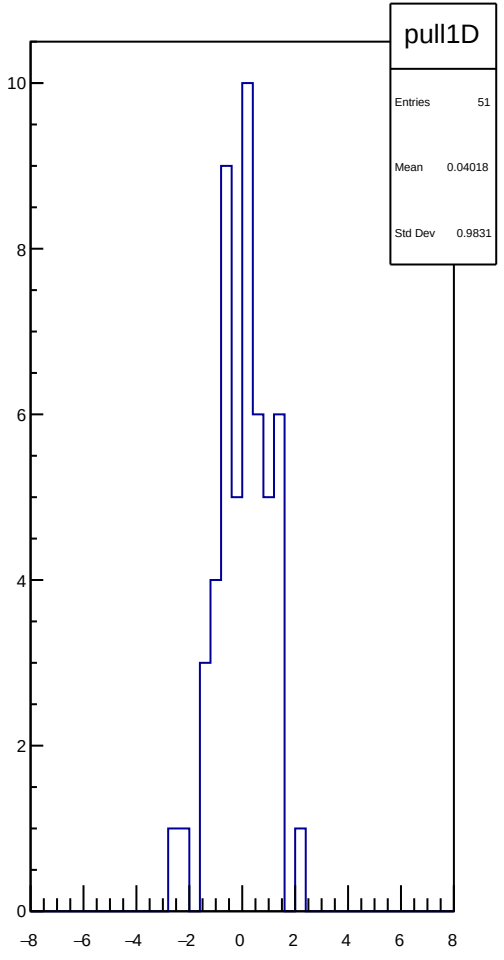

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 66.17 / 50
p0 −0.2779 ± 0.2633
pull
Entries 51
Mean −119.3
Std Dev 141.6

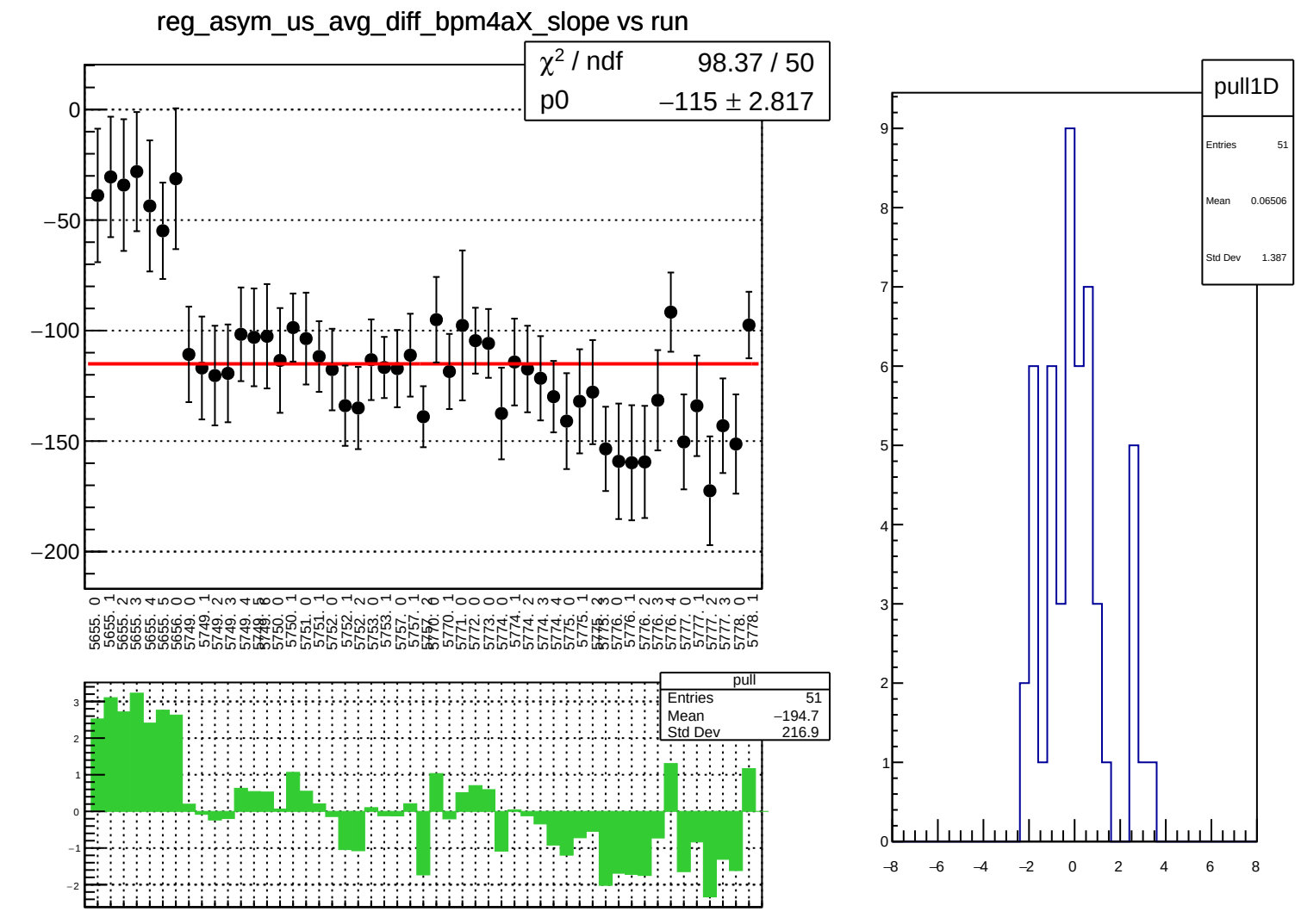

pull1D
Entries 51
Mean −0.006987
Std Dev 1.139

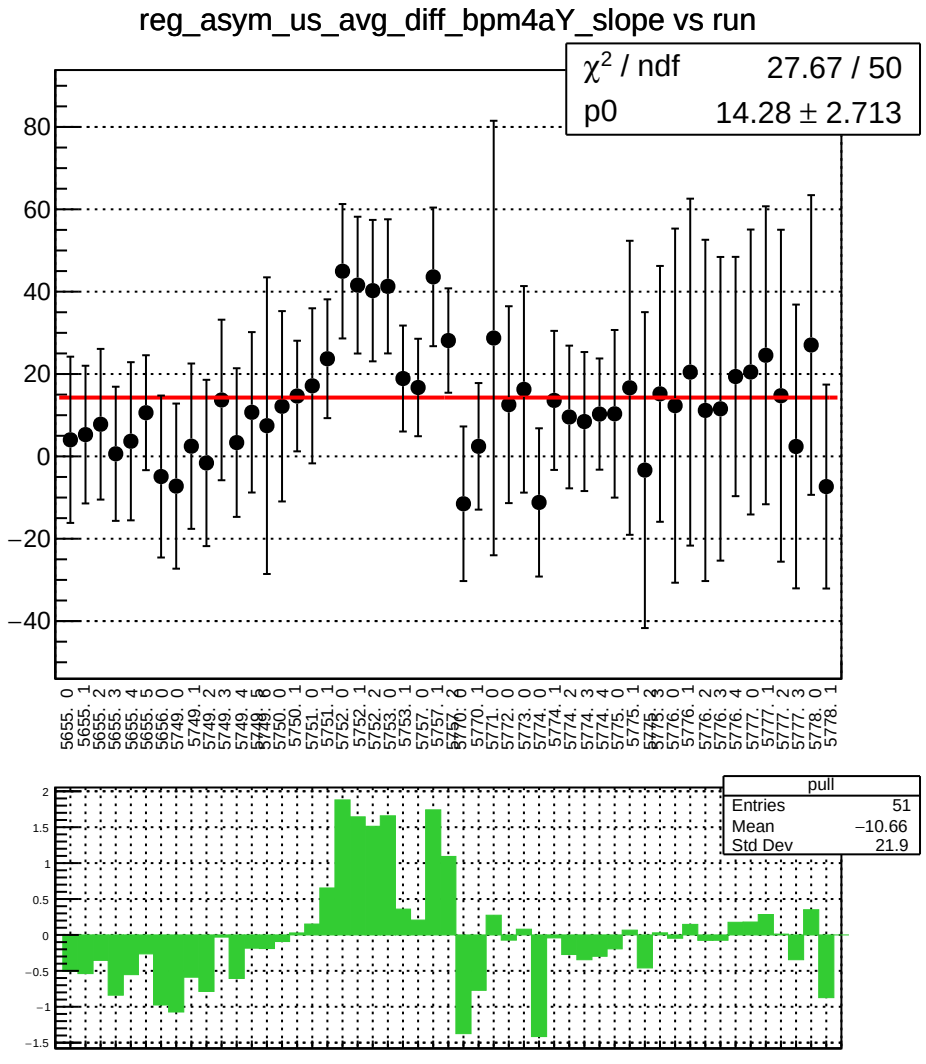

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 53.7 / 50
p0 0.7082 ± 0.2204
pull
Entries 51
Mean 43.9
Std Dev 19.88

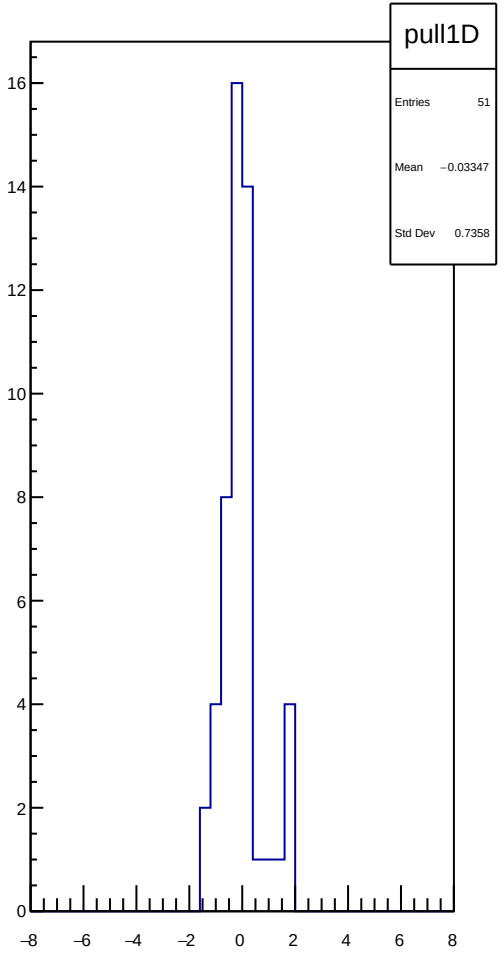

pull1D
Entries 51
Mean 0.04224
Std Dev 1.025

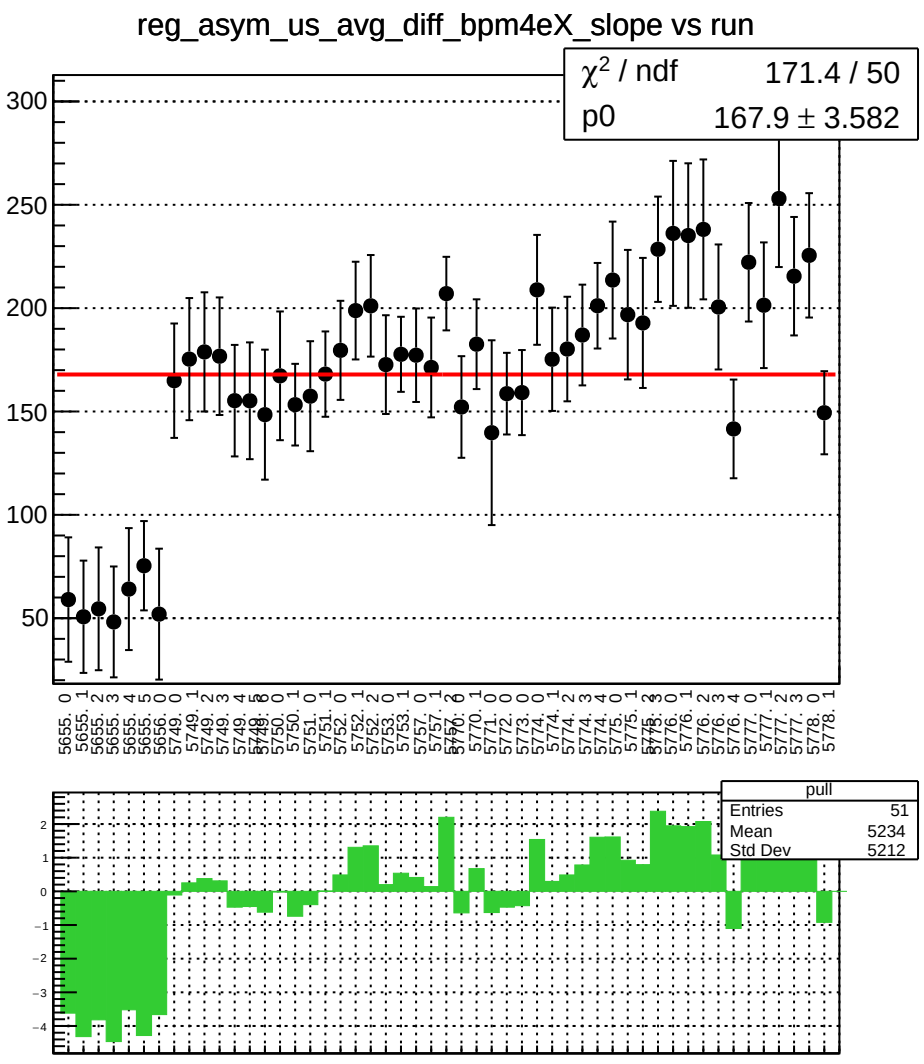

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 49.37 / 50
p0 0.01117 ± 0.011
pull
Entries 51
Mean 38.37
Std Dev 33.26

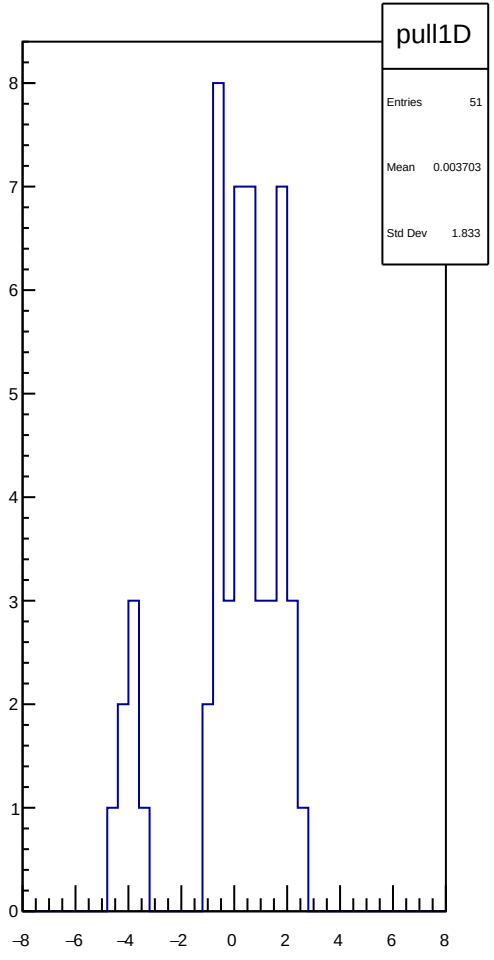

pull1D
Entries 51
Mean 0.04018
Std Dev 0.9831

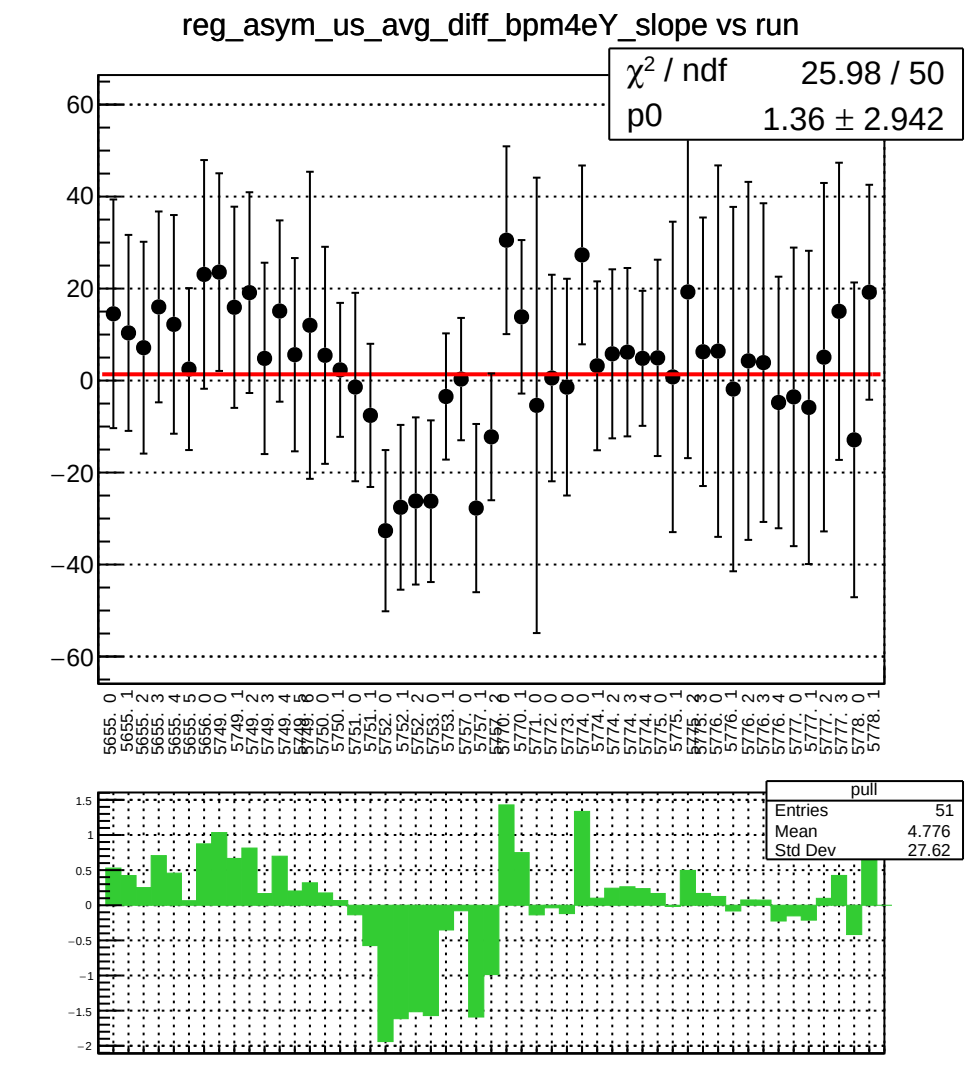

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 98.37 / 50
p0 −115 ± 2.817
0
−50
−100
−150
−200
pull
Entries 51
Mean −194.7
Std Dev 216.9
pull1D
Entries 51
Mean 0.06506
Std Dev 1.387

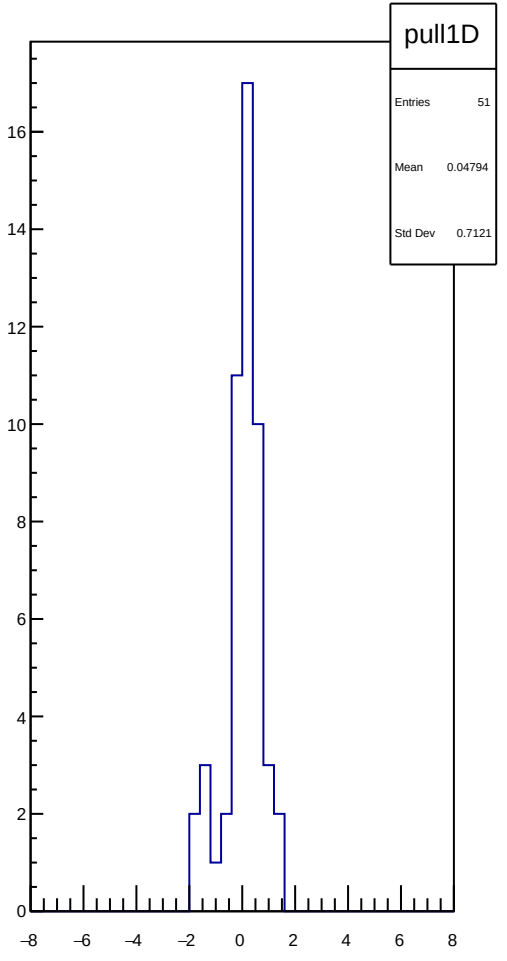

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.67 / 50
p0 14.28 ± 2.713
pull
Entries 51
Mean −10.66
Std Dev 21.9

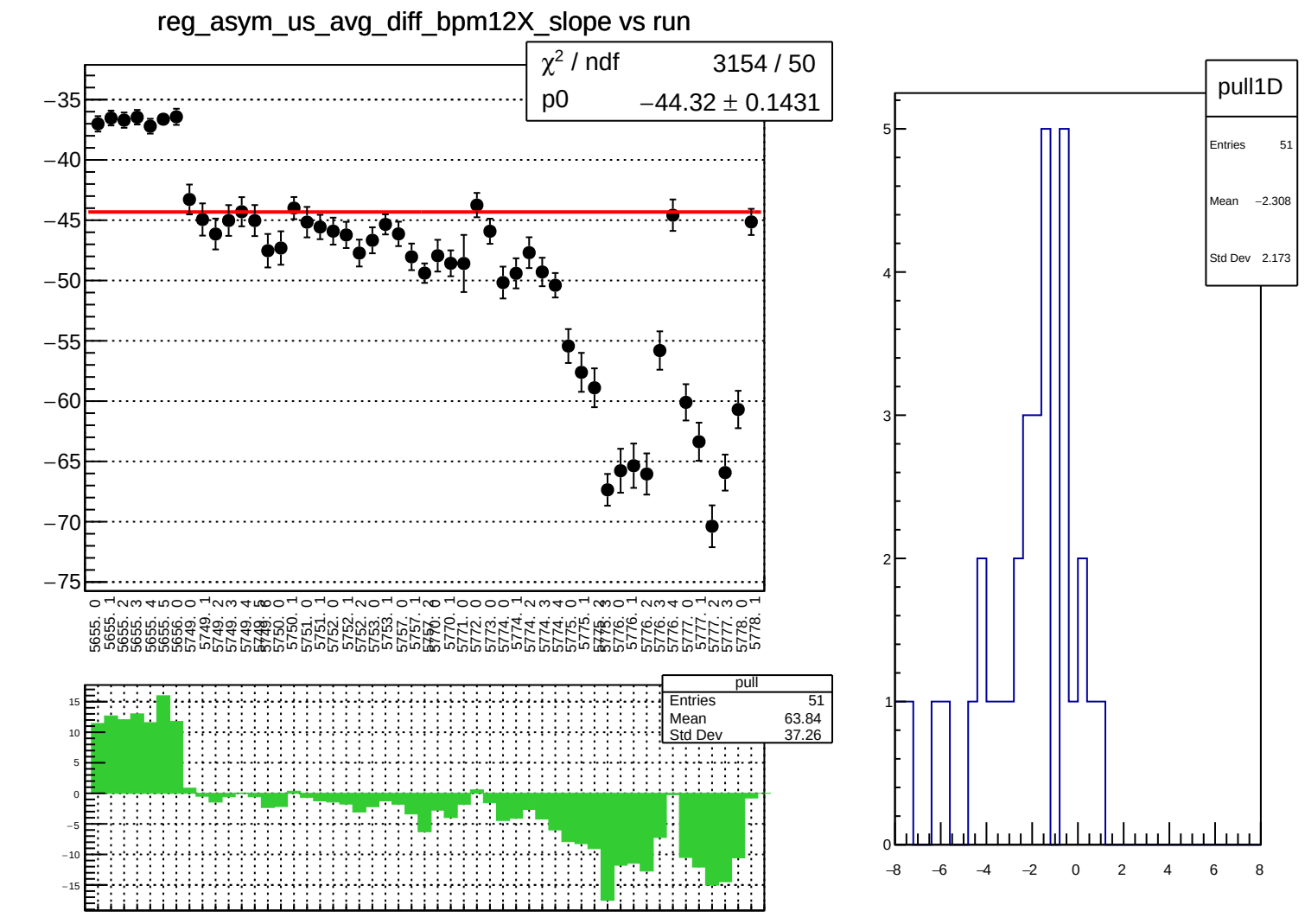

pull1D
Entries 51
Mean −0.03347
Std Dev 0.7358

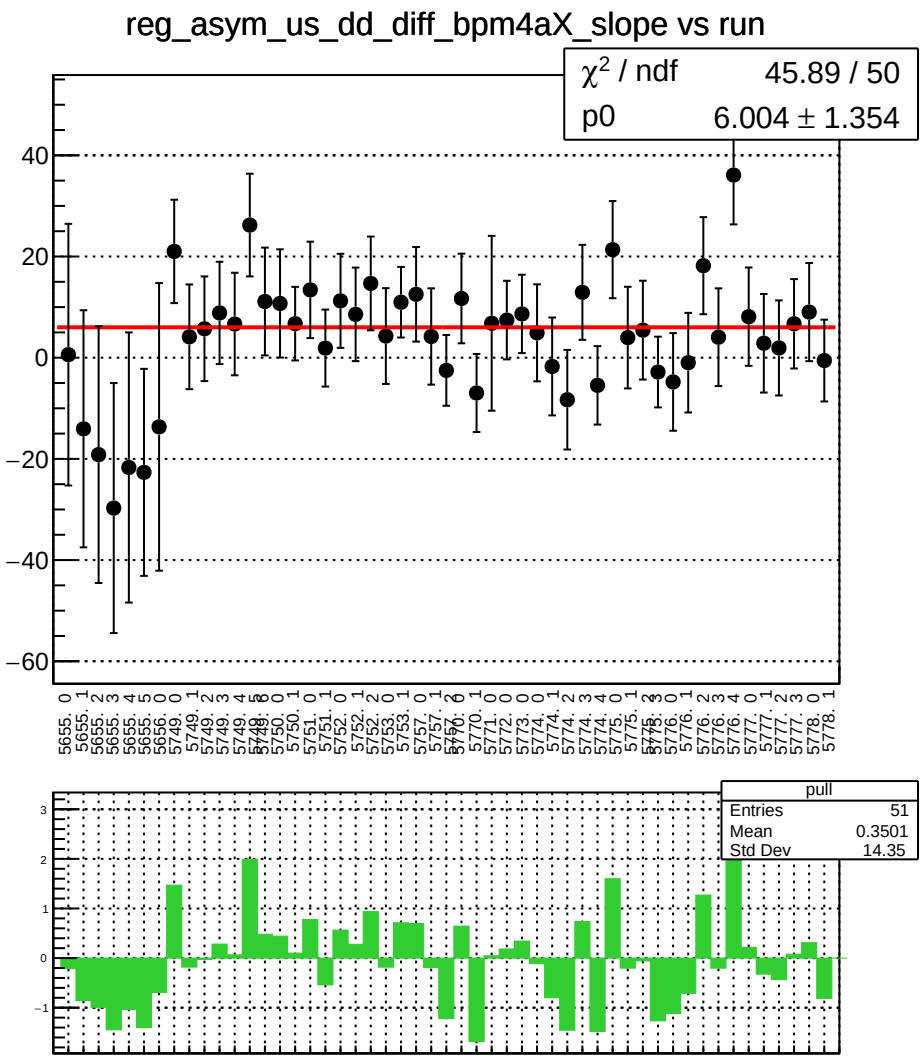

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 171.4 / 50
p0 167.9 ± 3.582
pull
Entries 51
Mean 5234
Std Dev 5212

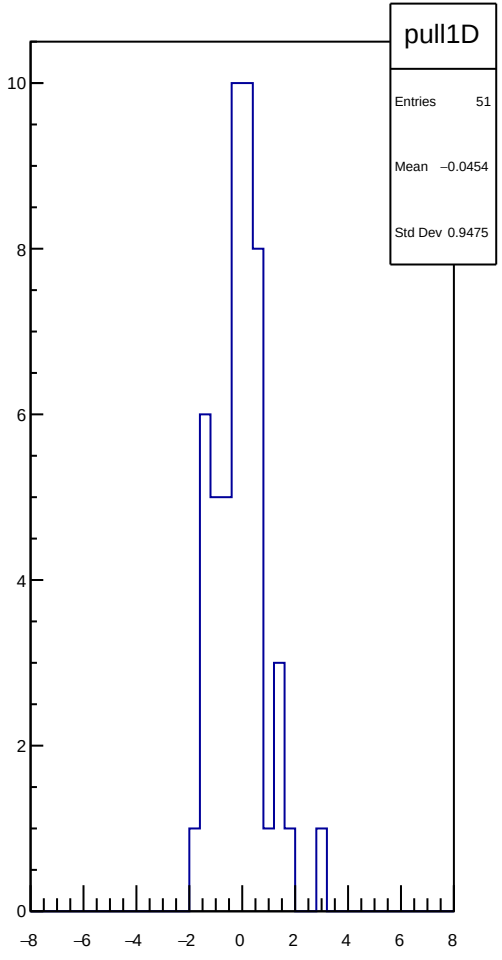

pull1D
Entries 51
Mean 0.003703
Std Dev 1.833

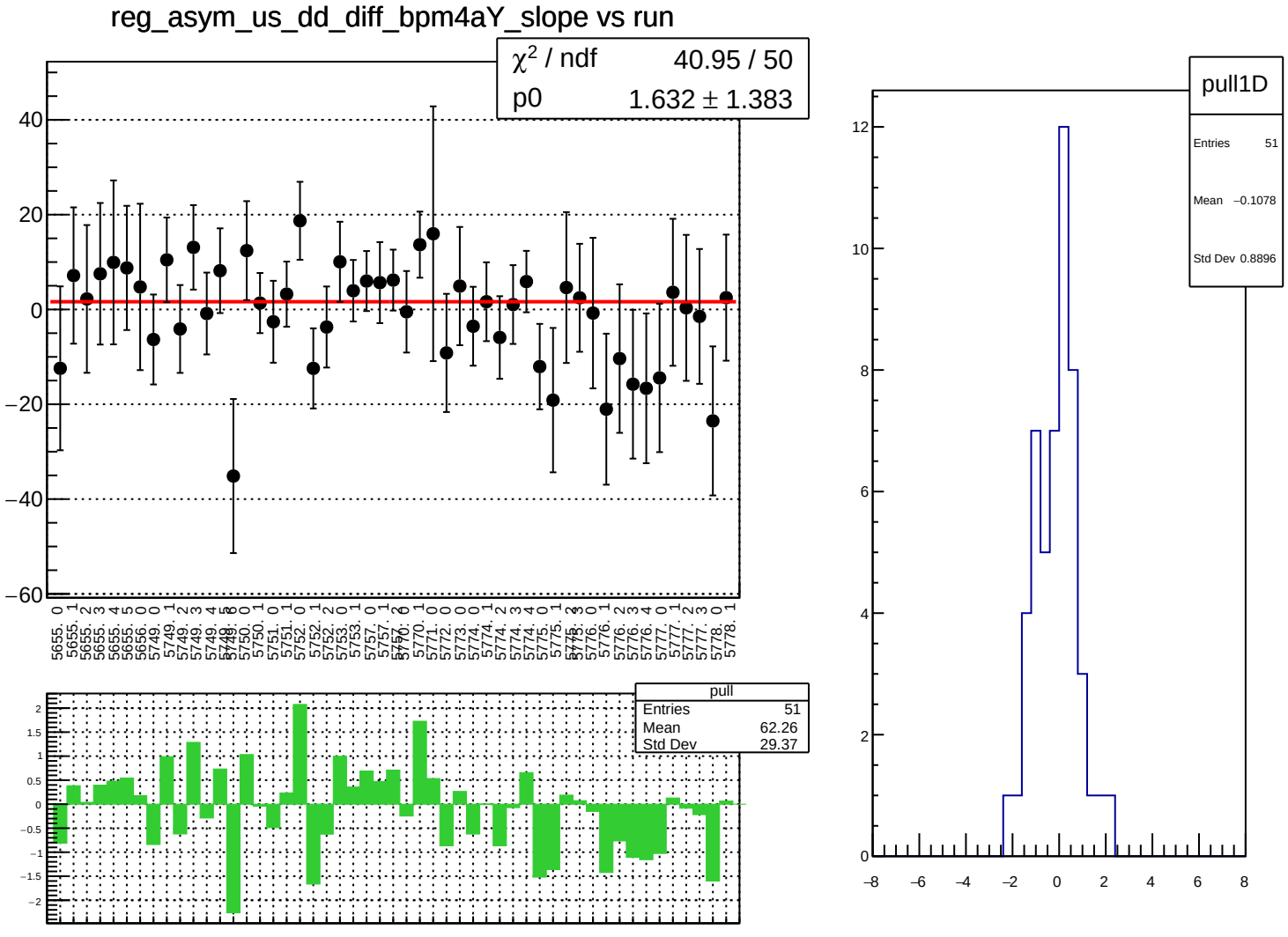

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 50
p0 1.36 ± 2.942
pull
Entries 51
Mean 4.776
Std Dev 27.62

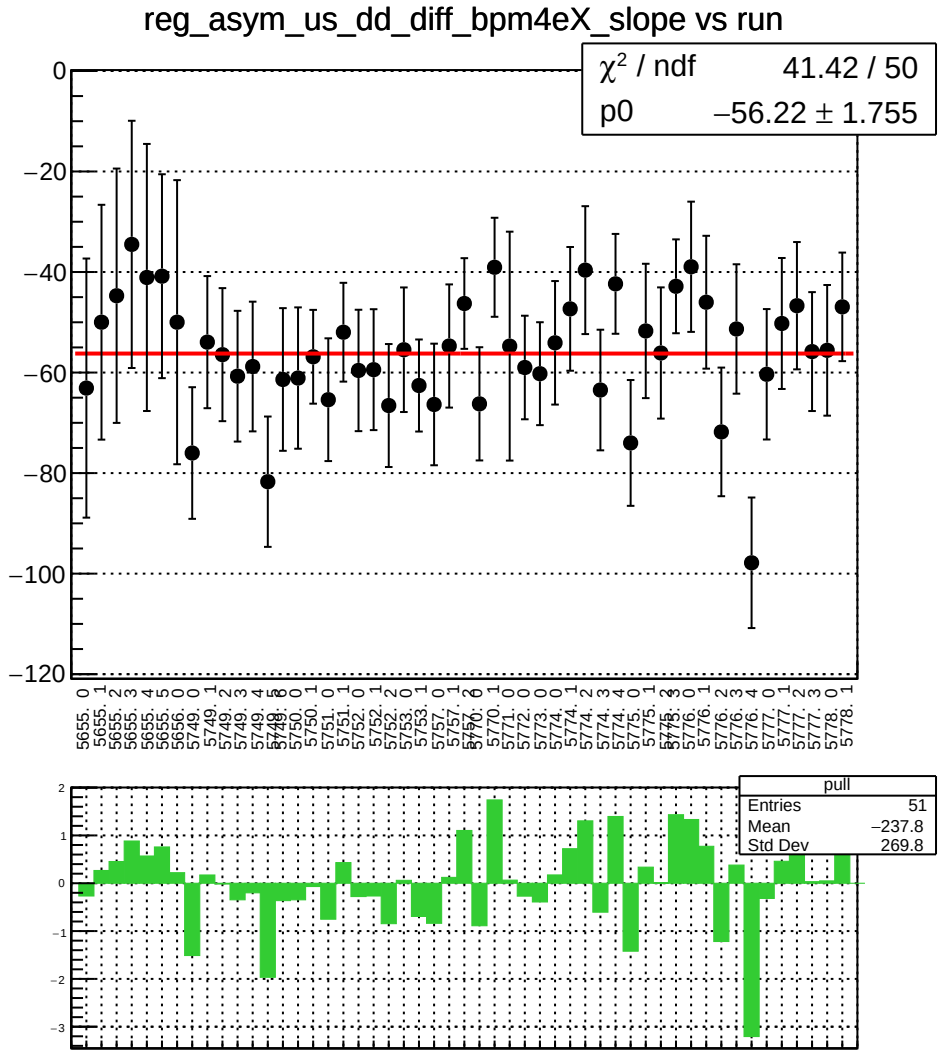

pull1D
Entries 51
Mean 0.04794
Std Dev 0.7121

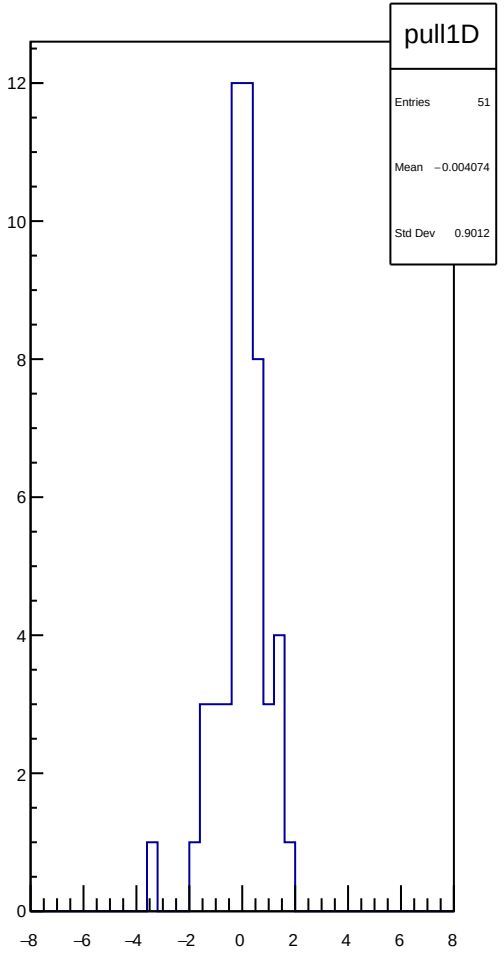

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 3154 / 50
p0 −44.32 ± 0.1431
pull
Entries 51
Mean 63.84
Std Dev 37.26
pull1D
Entries 51
Mean −2.308
Std Dev 2.173

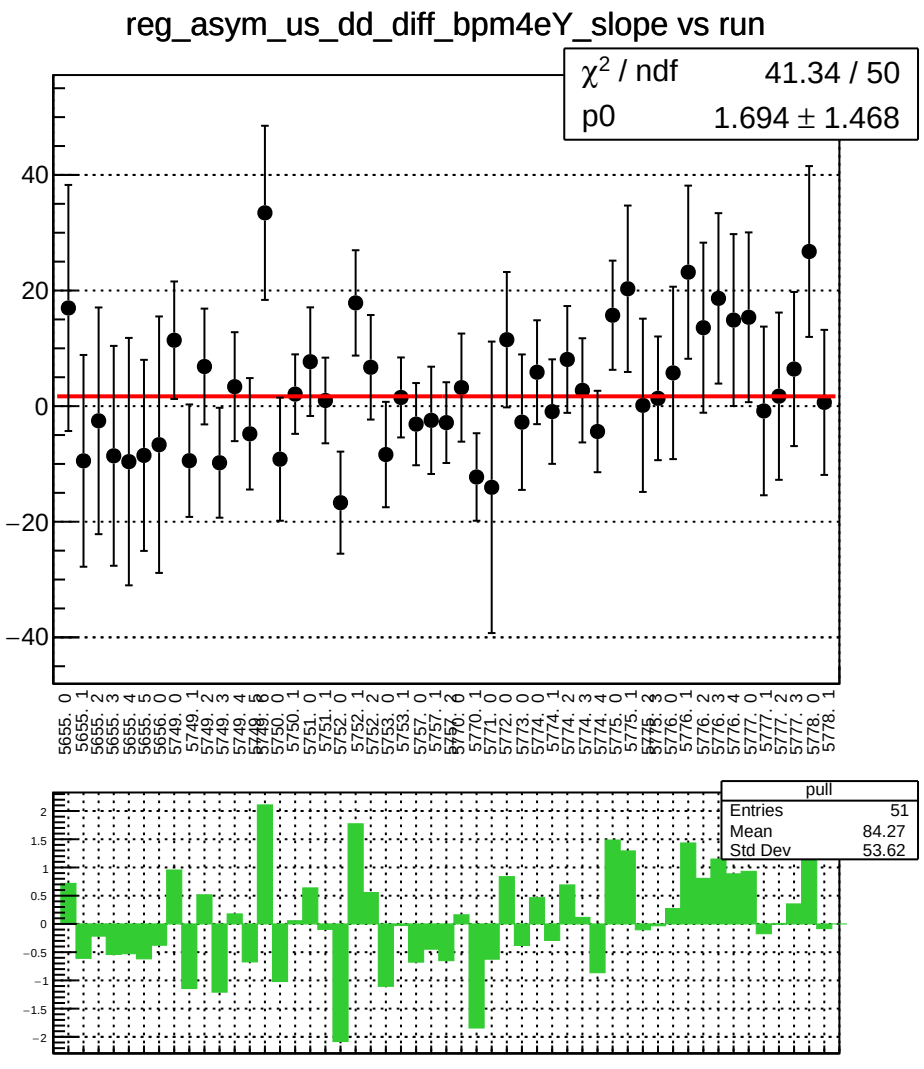

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.89 / 50
p0 6.004 ± 1.354
pull
Entries 51
Mean 0.3501
Std Dev 14.35

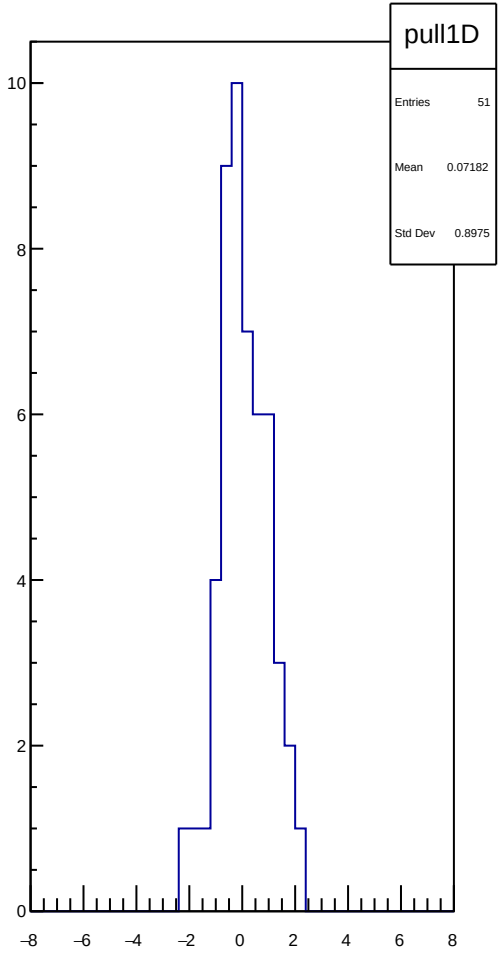

pull1D
Entries 51
Mean −0.0454
Std Dev 0.9475

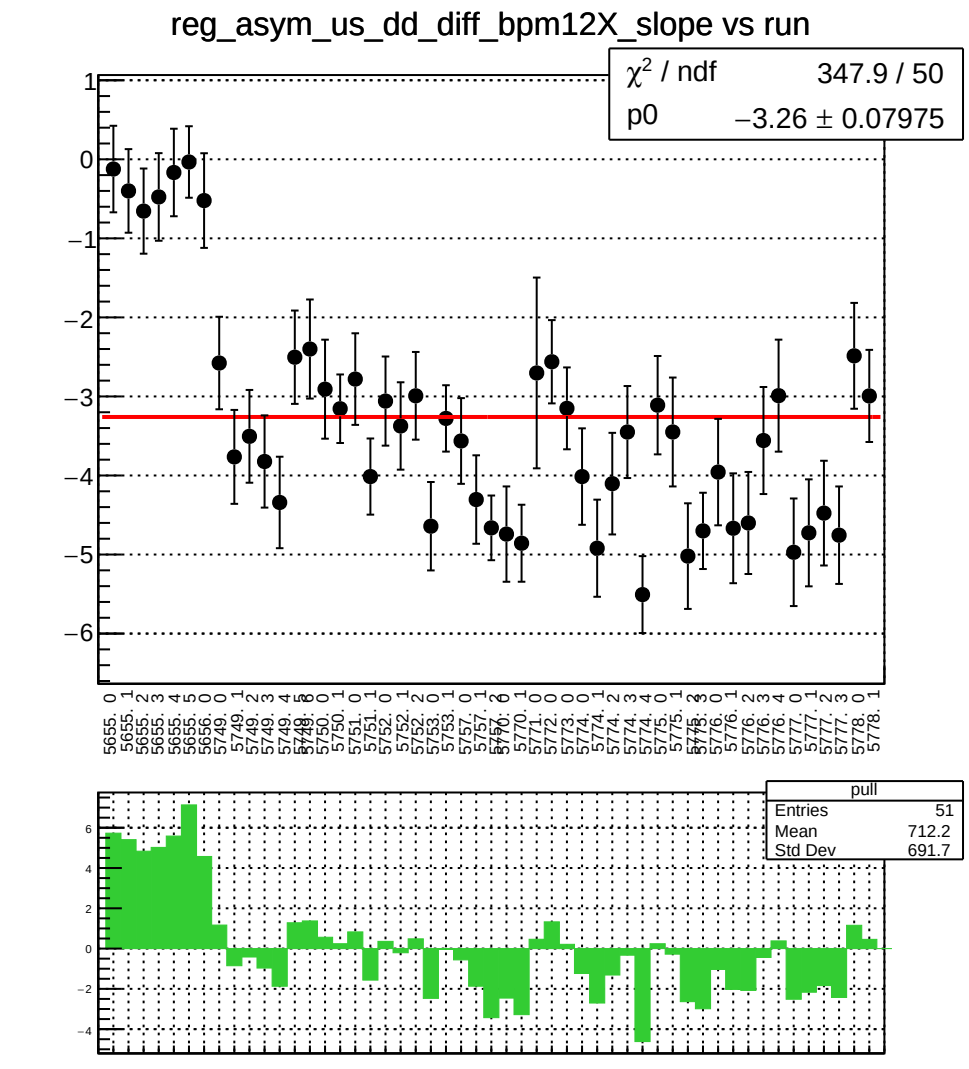

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.95 / 50
p0 1.632 ± 1.383
pull
Entries 51
Mean 62.26
Std Dev 29.37
pull1D
Entries 51
Mean −0.1078
Std Dev 0.8896

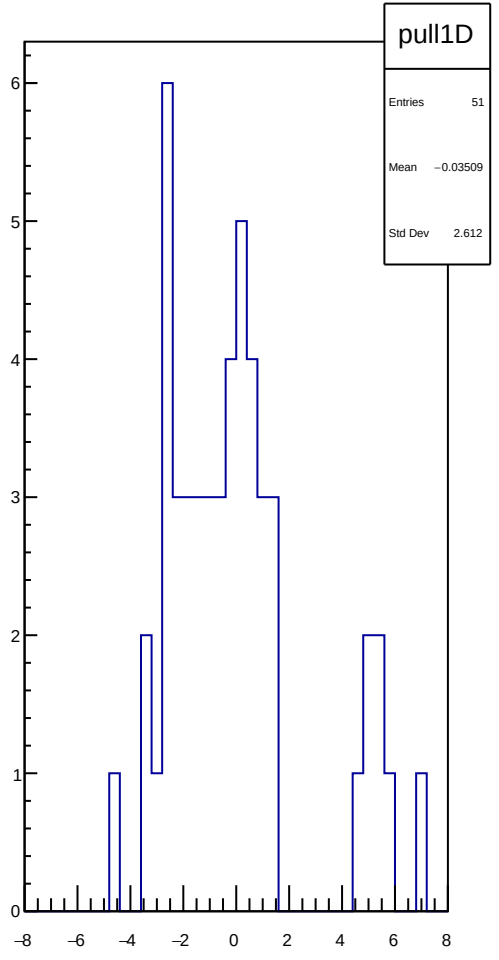

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.42 / 50
p0 −56.22 ± 1.755
pull
Entries 51
Mean −237.8
Std Dev 269.8

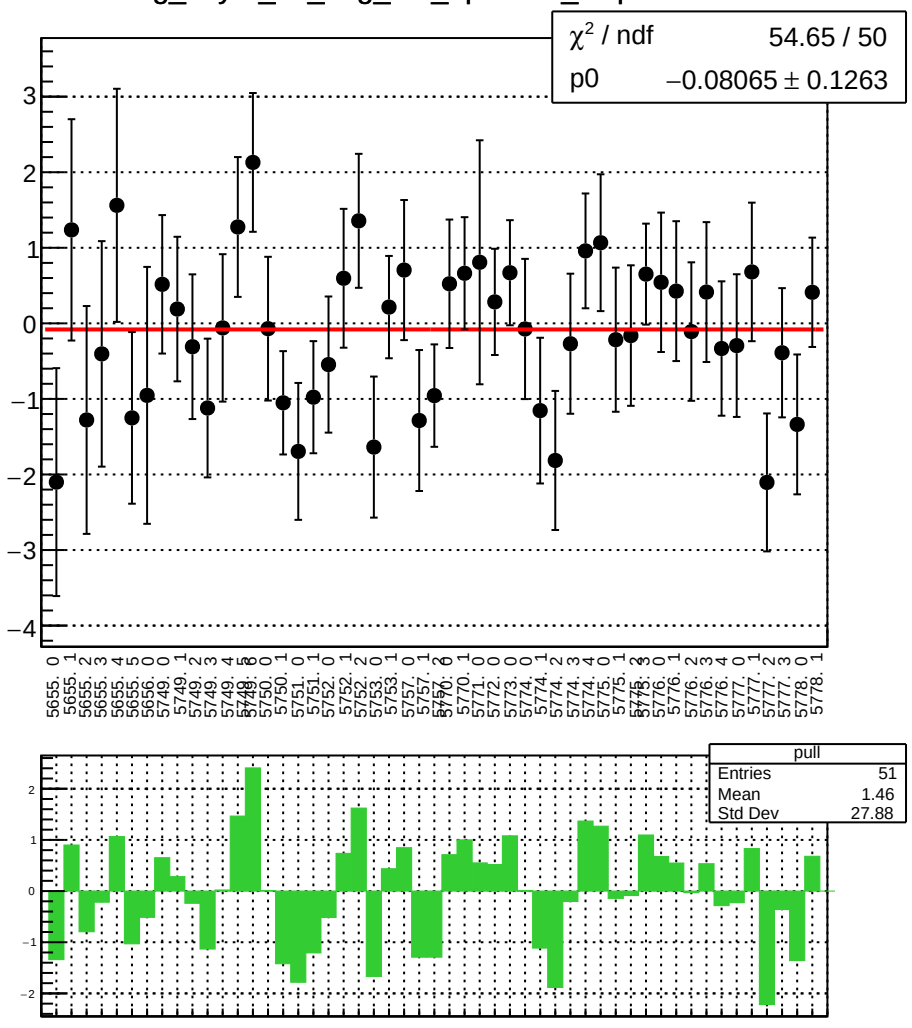

pull1D
Entries 51
Mean −0.004074
Std Dev 0.9012

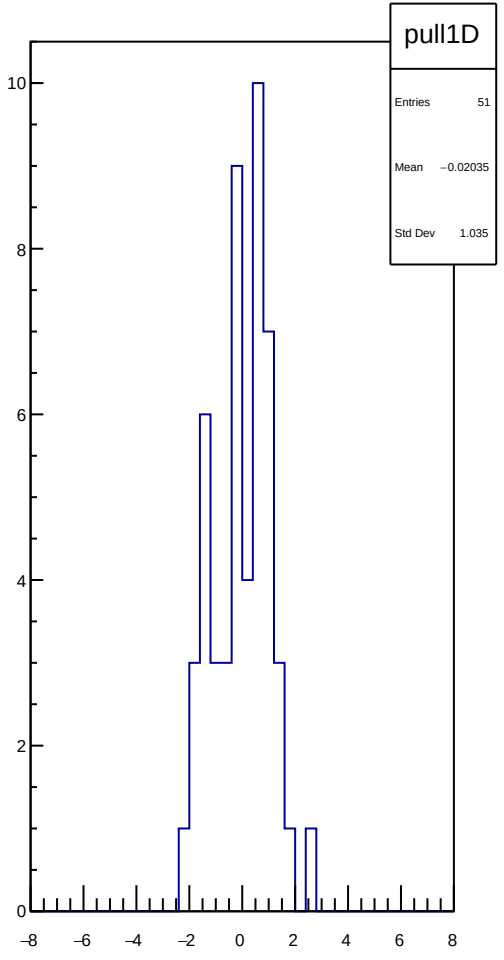

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.34 / 50
p0 1.694 ± 1.468
pull
Entries 51
Mean 84.27
Std Dev 53.62

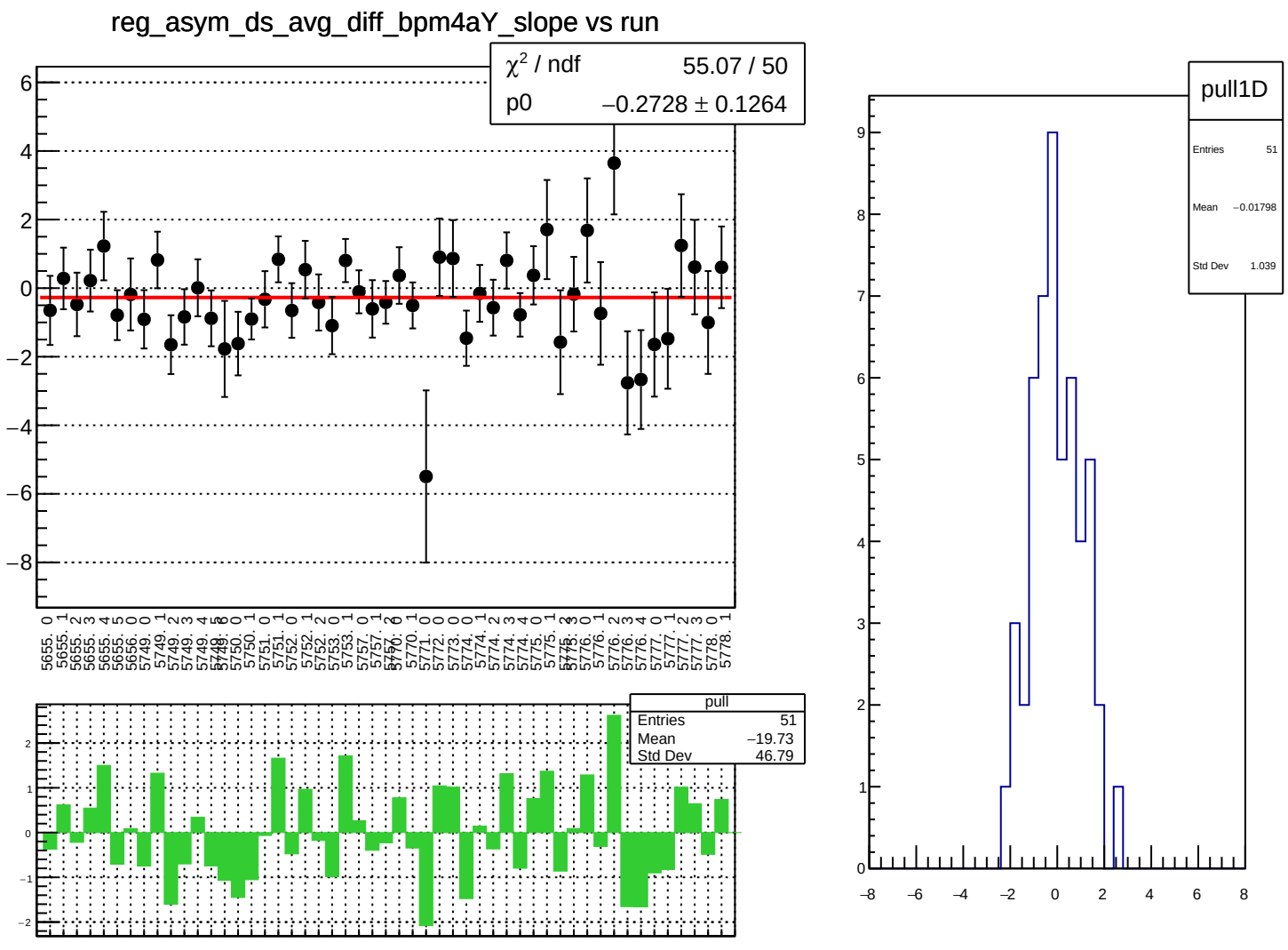

pull1D
Entries 51
Mean 0.07182
Std Dev 0.8975

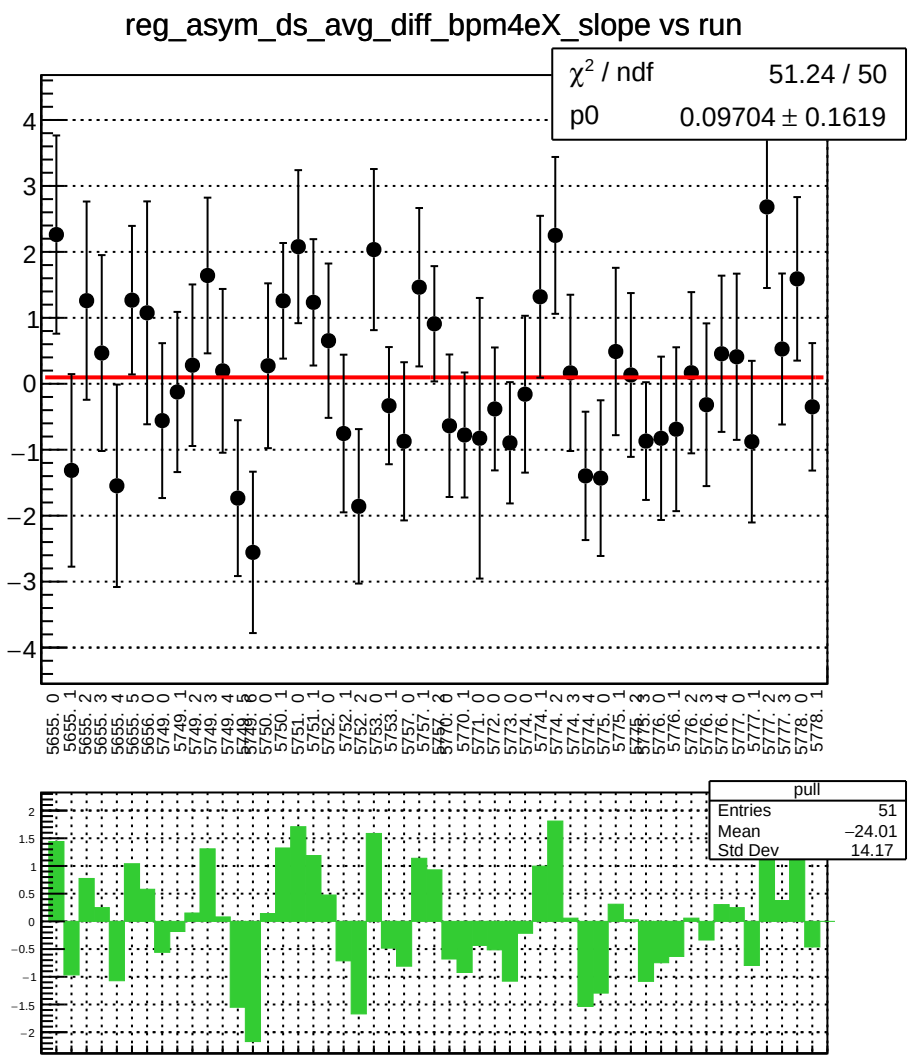

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 347.9 / 50
p0 −3.26 ± 0.07975
pull
Entries 51
Mean 712.2
Std Dev 691.7

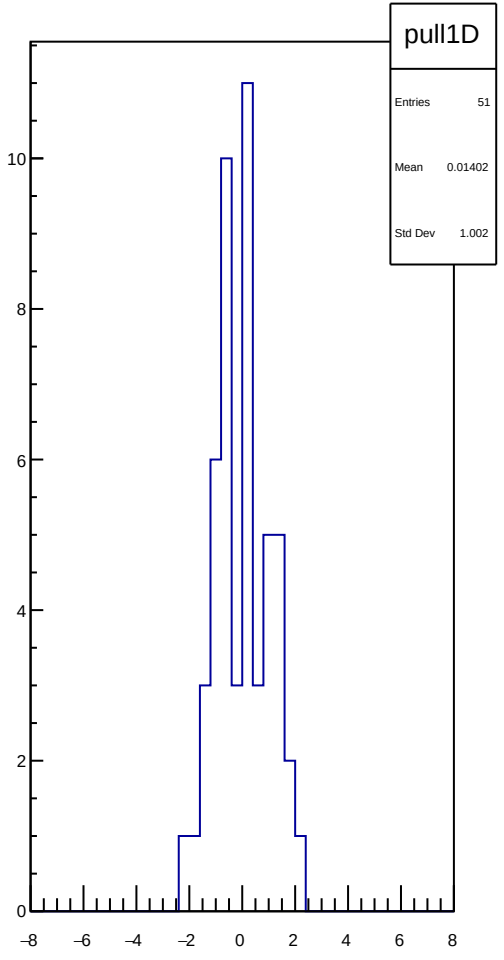

pull1D
Entries 51
Mean −0.03509
Std Dev 2.612

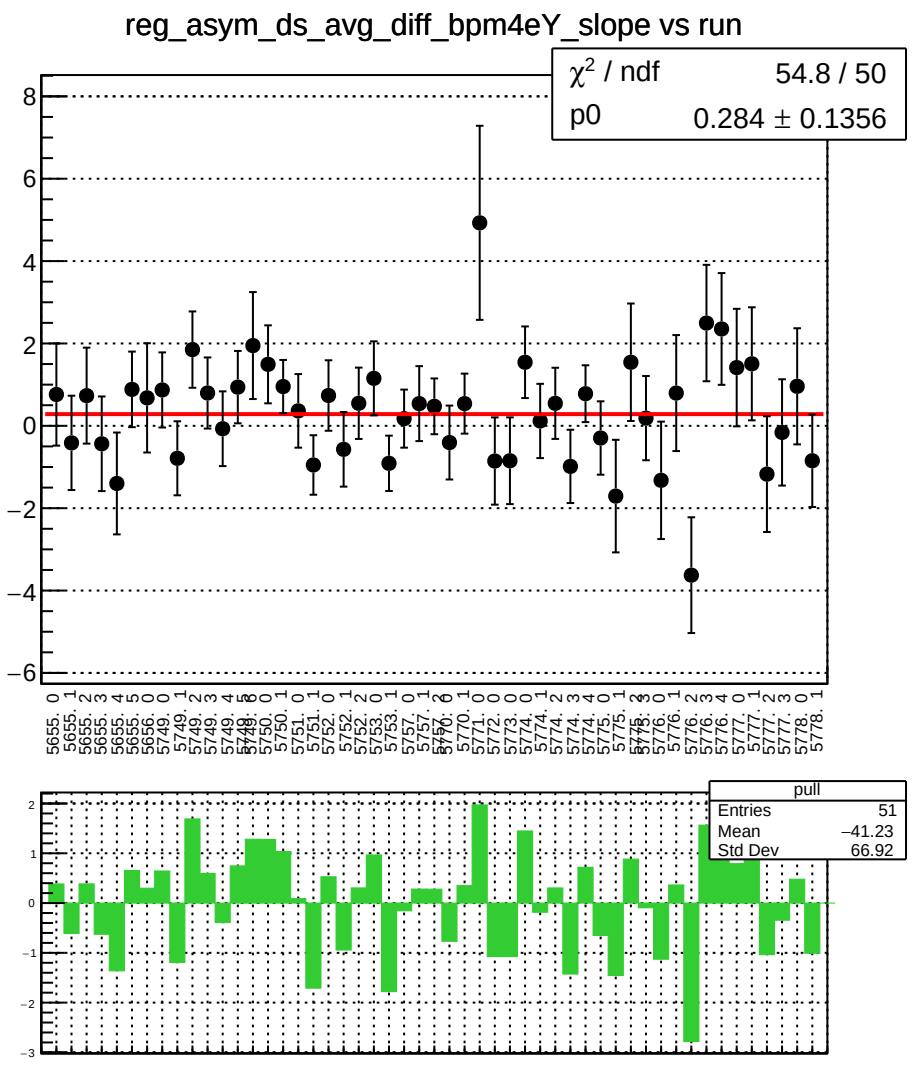

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.65 / 50
p0 −0.08065 ± 0.1263
pull
Entries 51
Mean 1.46
Std Dev 27.88

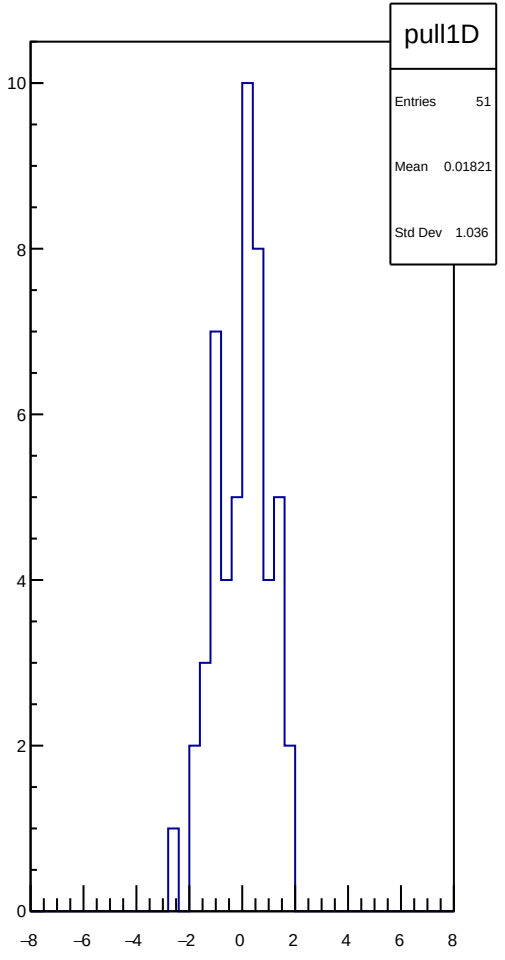

pull1D
Entries 51
Mean −0.02035
Std Dev 1.035

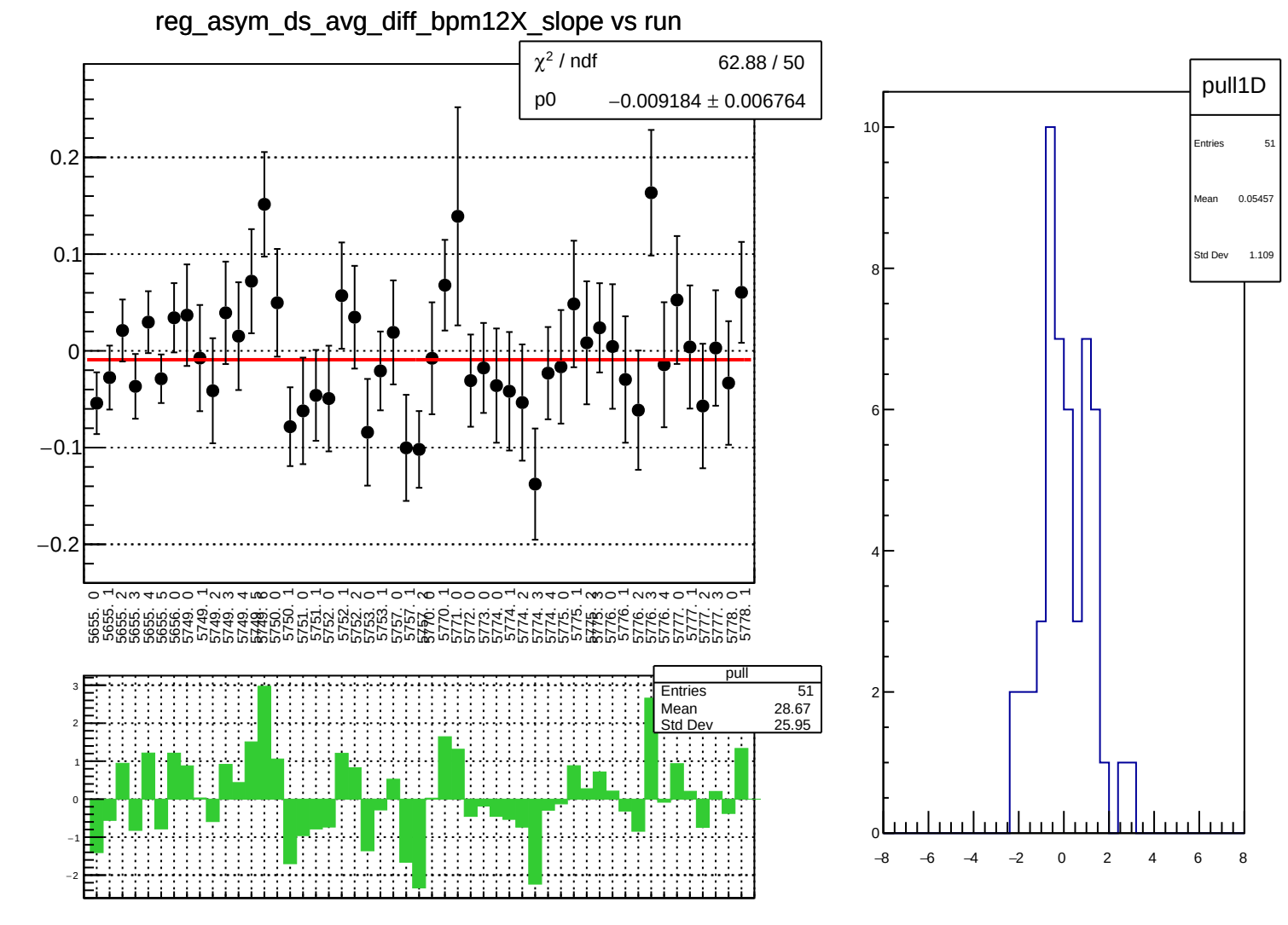

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.07 / 50
p0 −0.2728 ± 0.1264
pull
Entries 51
Mean −19.73
Std Dev 46.79
pull1D
Entries 51
Mean −0.01798
Std Dev 1.039

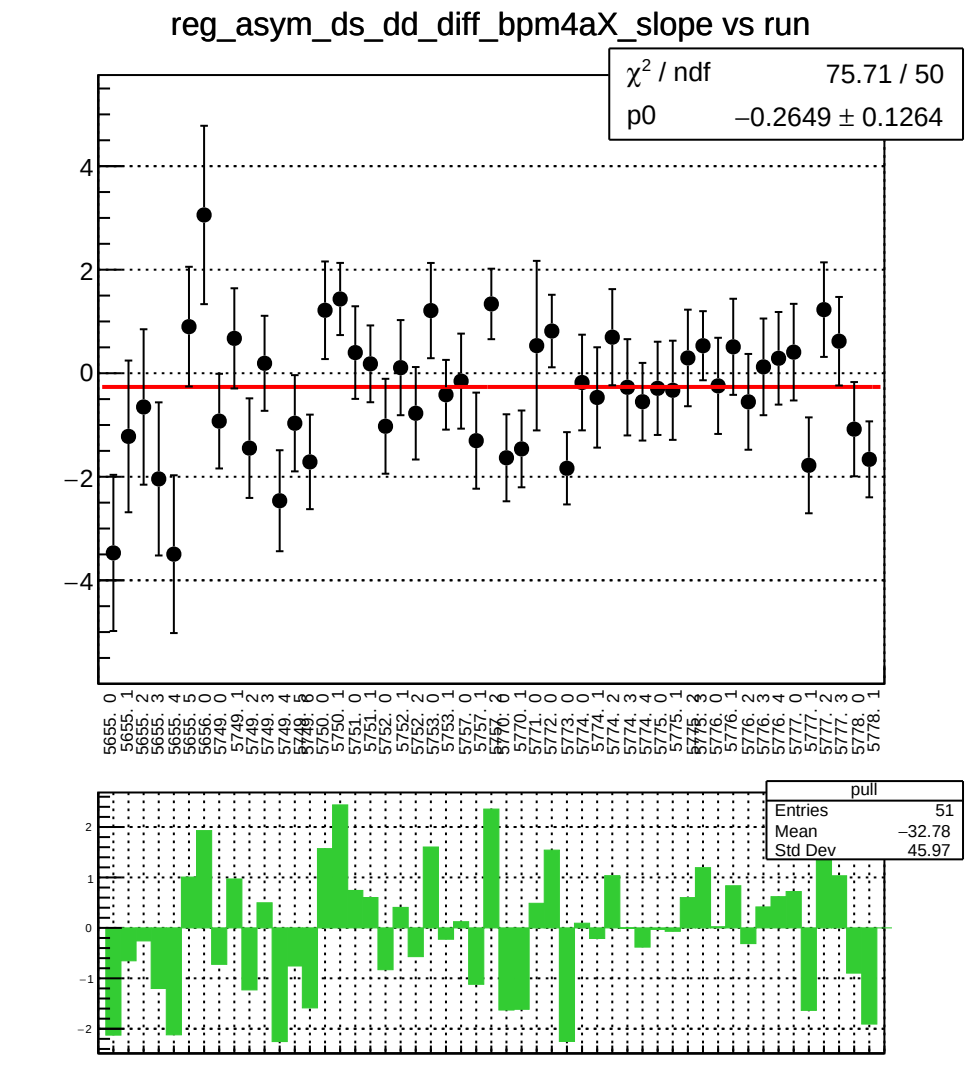

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.24 / 50
p0 0.09704 ± 0.1619
pull
Entries 51
Mean −24.01
Std Dev 14.17

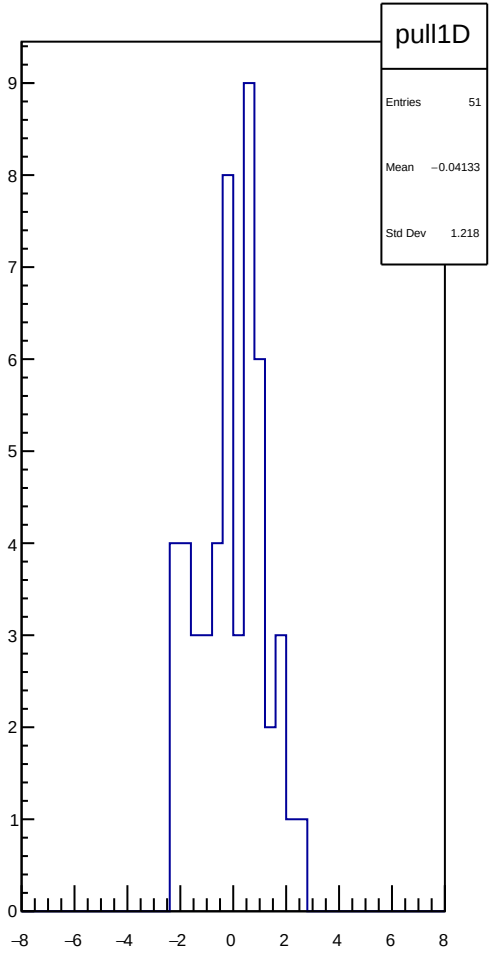

pull1D
Entries 51
Mean 0.01402
Std Dev 1.002

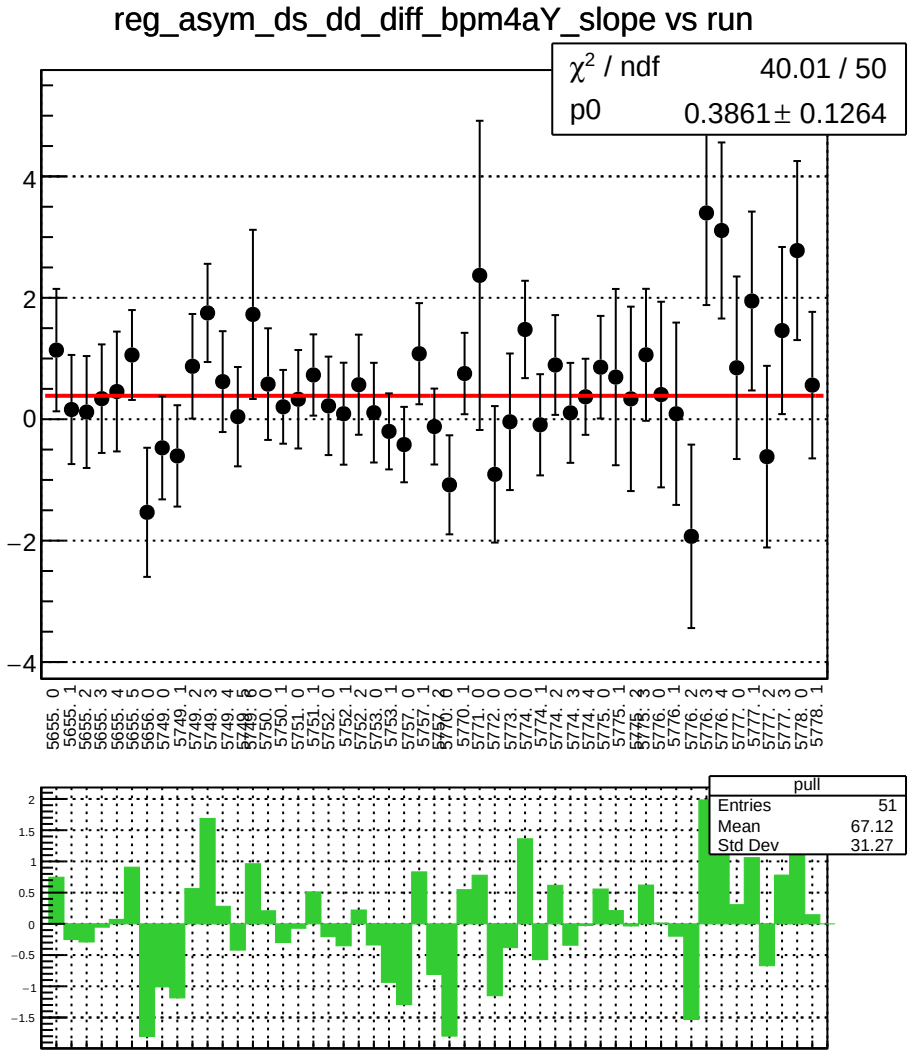

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.8 / 50
p0 0.284 ± 0.1356
pull
Entries 51
Mean −41.23
Std Dev 66.92

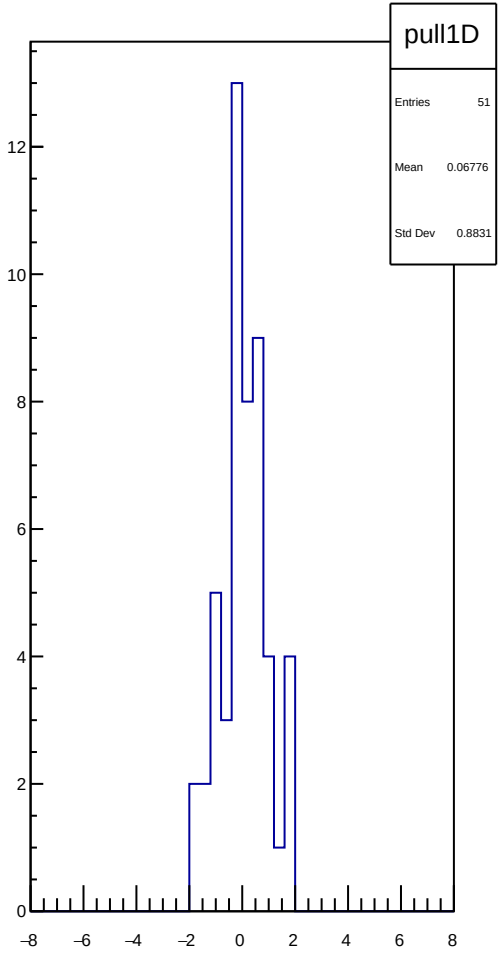

pull1D
Entries 51
Mean 0.01821
Std Dev 1.036

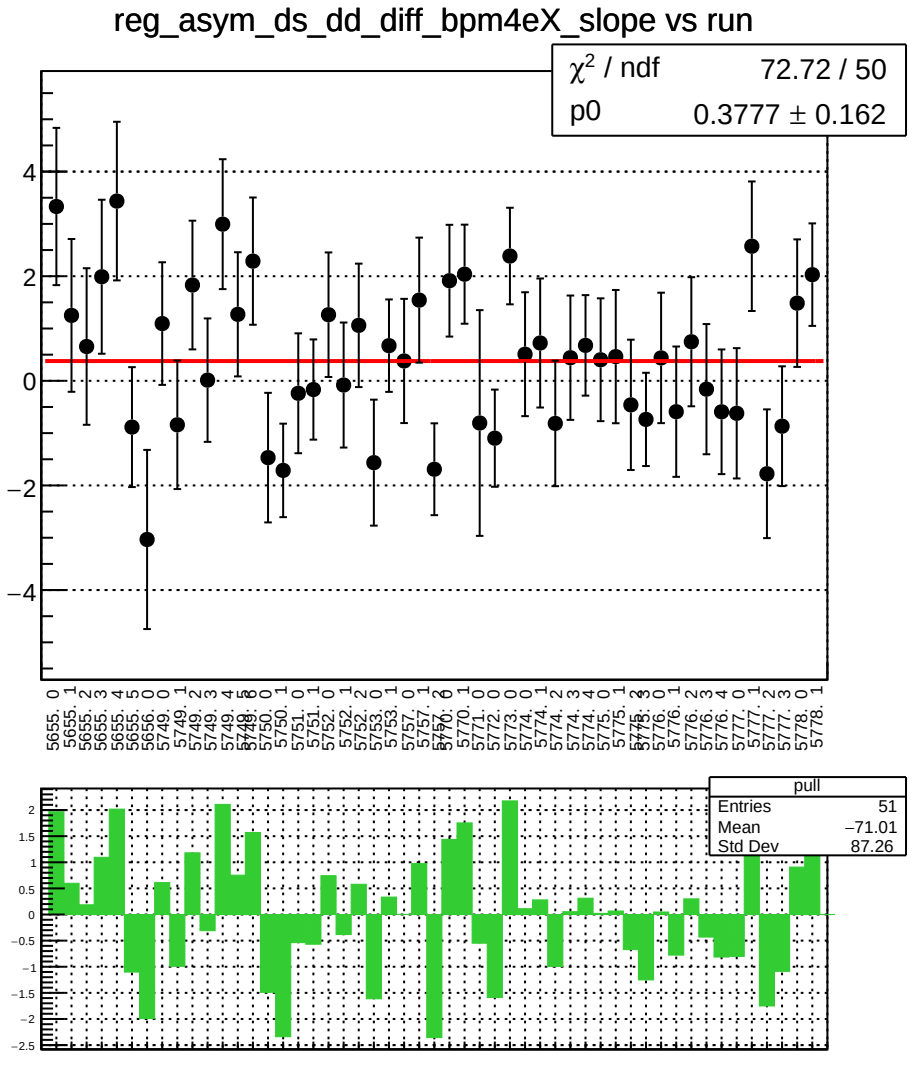

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 62.88 / 50
p0 −0.009184 ± 0.006764
pull
Entries 51
Mean 28.67
Std Dev 25.95
pull1D
Entries 51
Mean 0.05457
Std Dev 1.109

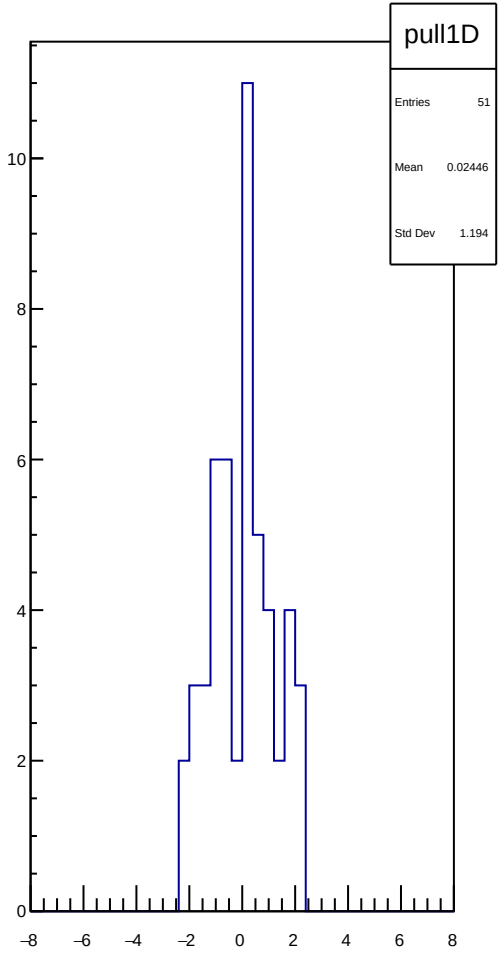

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 75.71 / 50
p0 −0.2649 ± 0.1264
pull
Entries 51
Mean −32.78
Std Dev 45.97

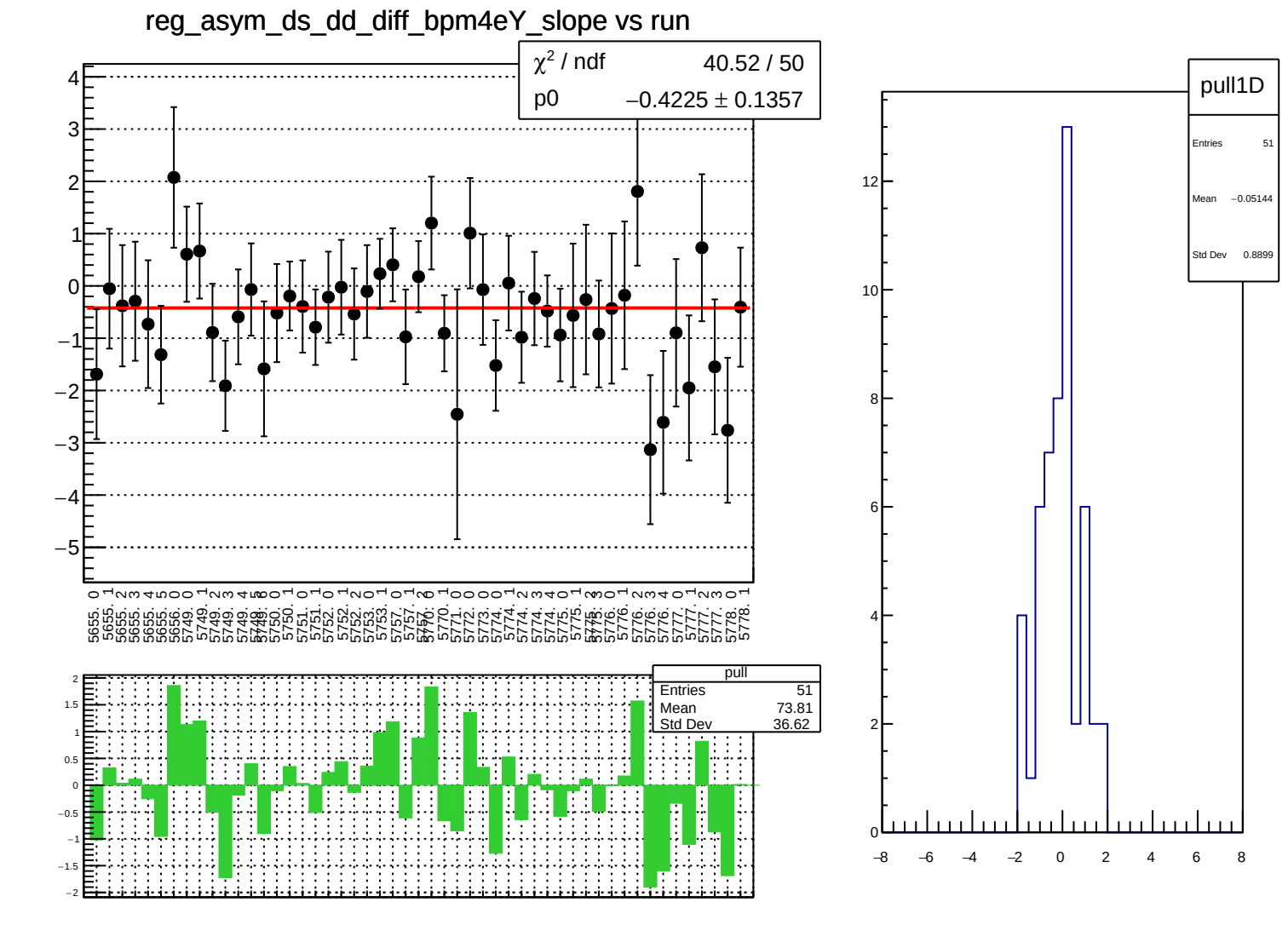

pull1D
Entries 51
Mean −0.04133
Std Dev 1.218

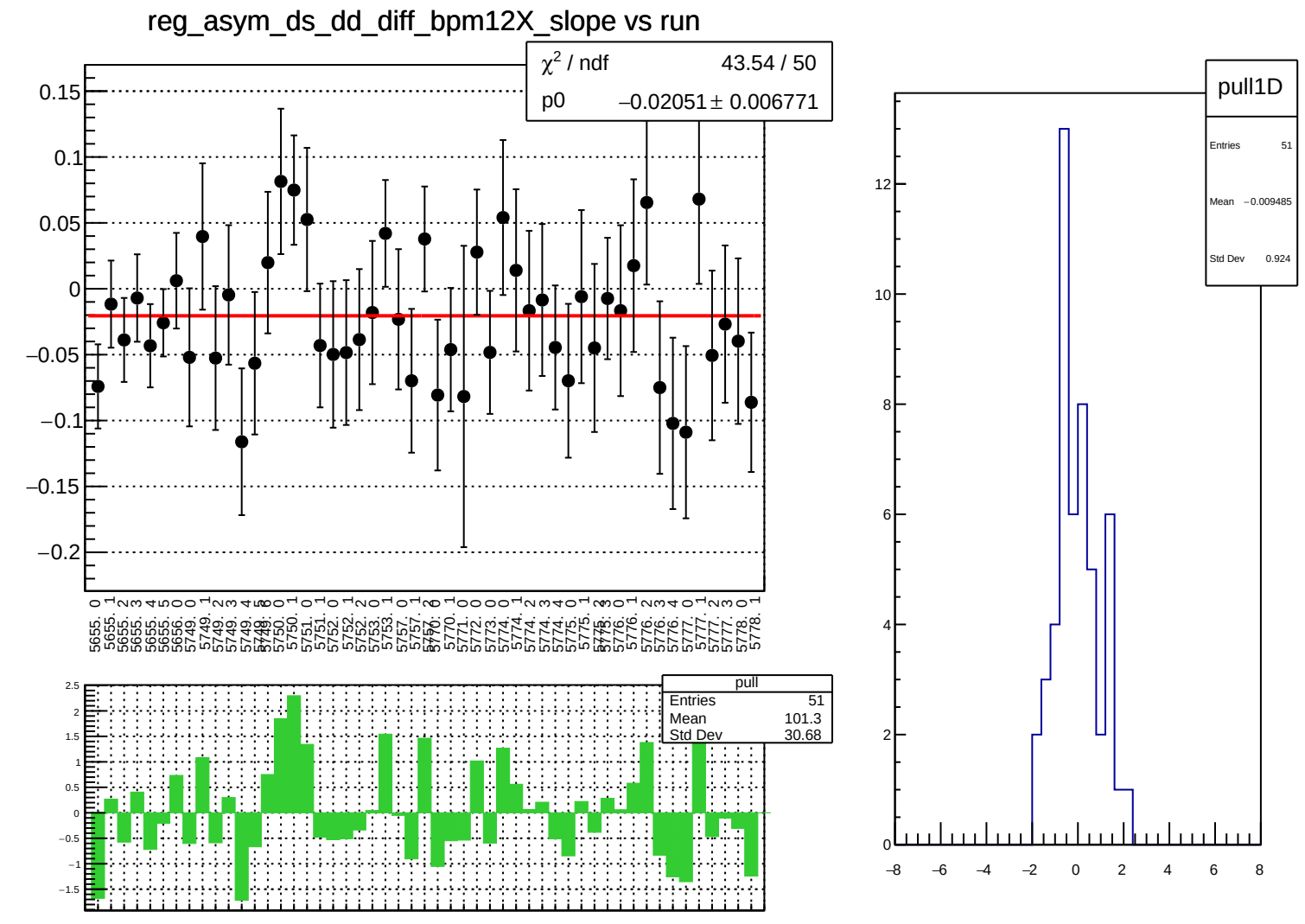

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.01 / 50
p0 0.3861 ± 0.1264
pull
Entries 51
Mean 67.12
Std Dev 31.27

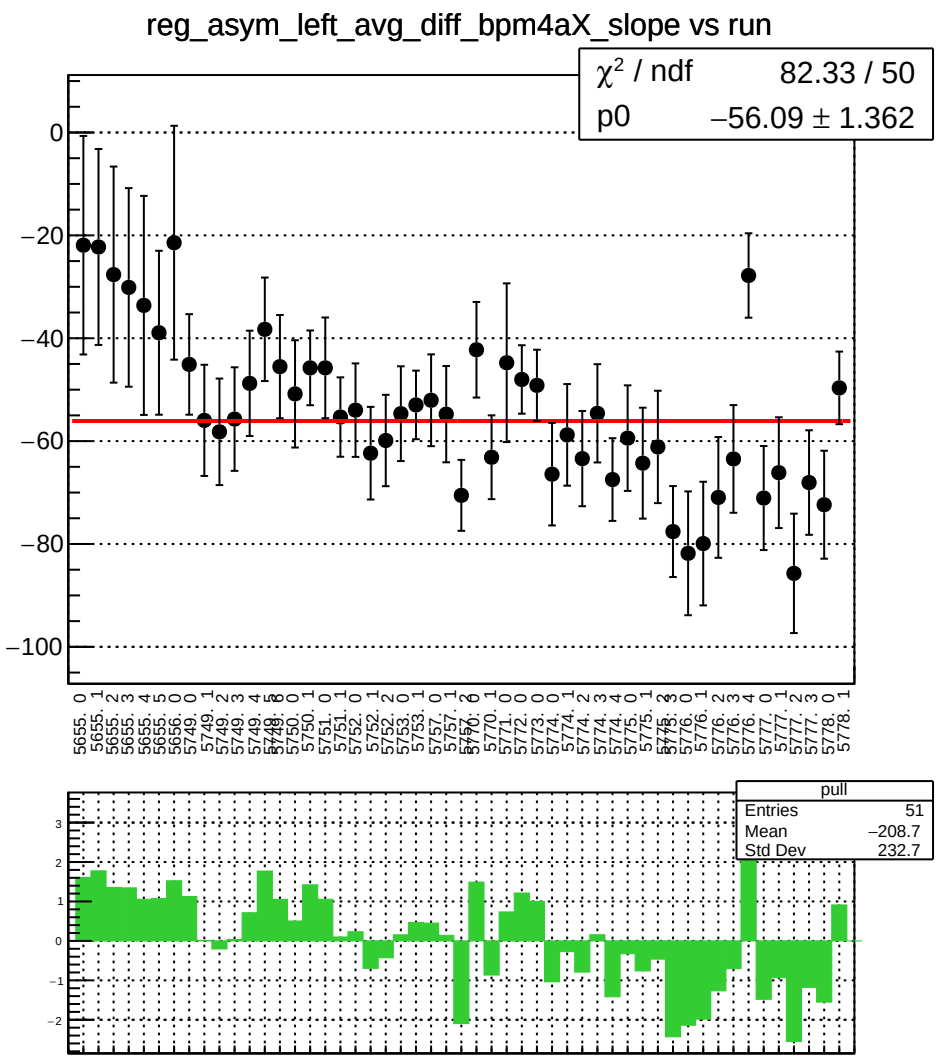

pull1D
Entries 51
Mean 0.06776
Std Dev 0.8831

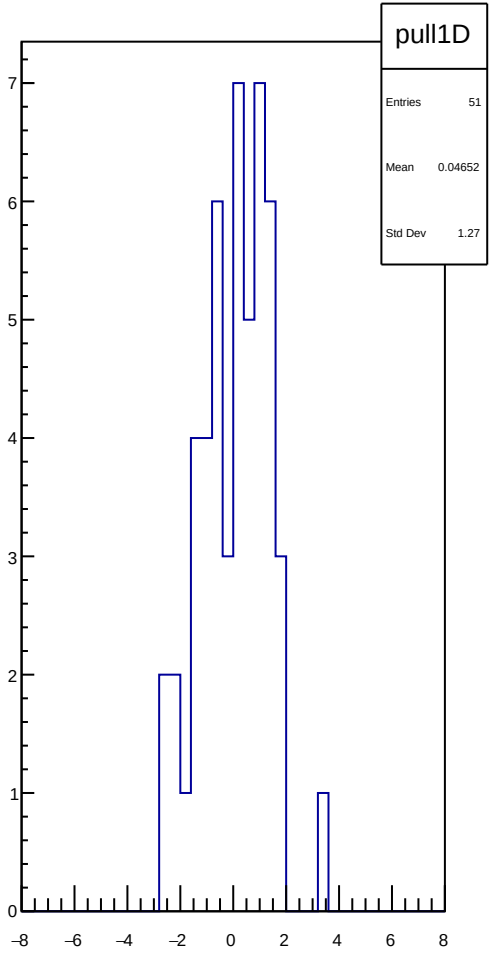

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.72 / 50
p0 0.3777 ± 0.162
pull
Entries 51
Mean −71.01
Std Dev 87.26

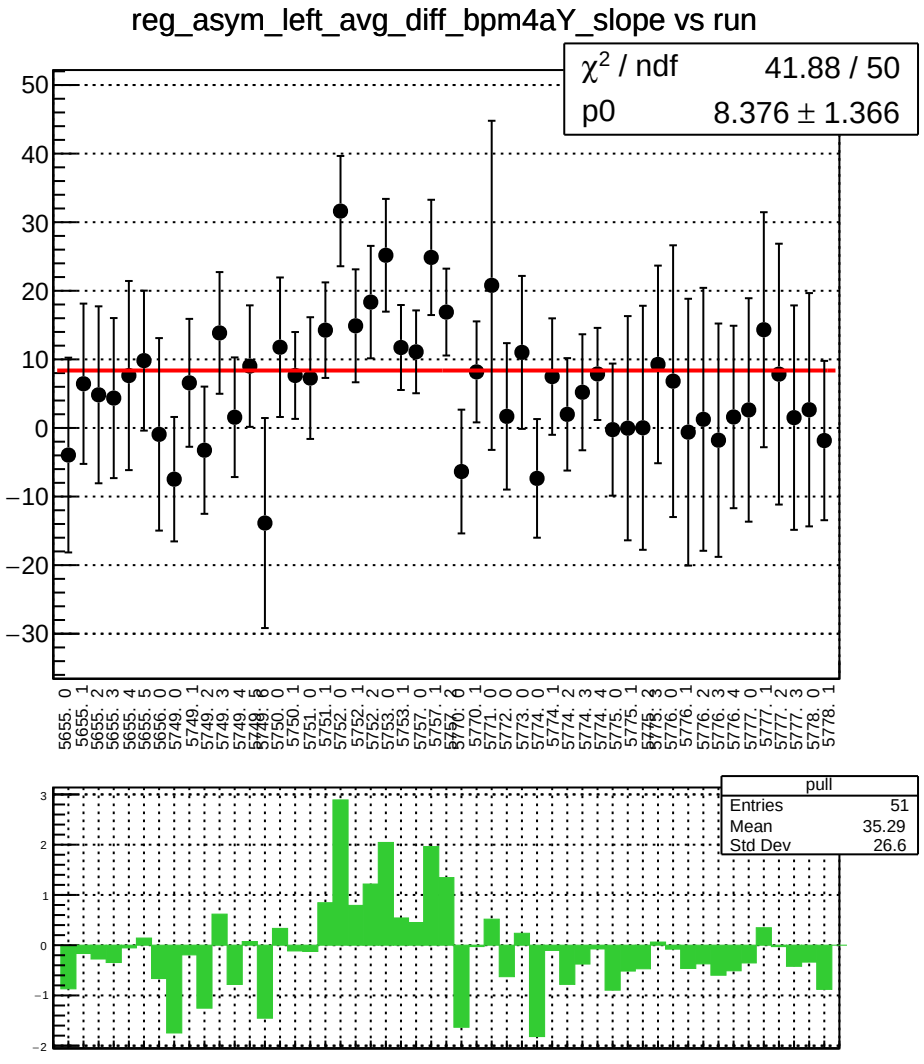

pull1D
Entries 51
Mean 0.02446
Std Dev 1.194

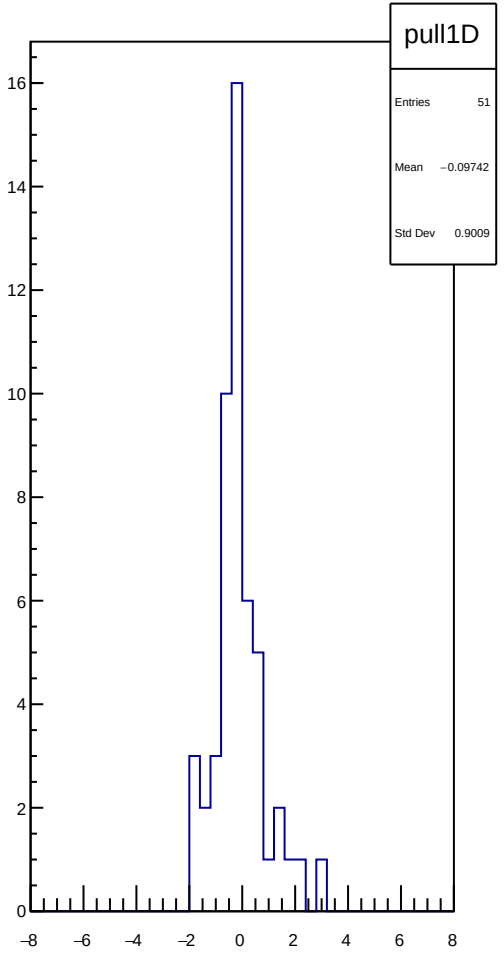

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.52 / 50
p0 −0.4225 ± 0.1357
pull
Entries 51
Mean 73.81
Std Dev 36.62
pull1D
Entries 51
Mean −0.05144
Std Dev 0.8899

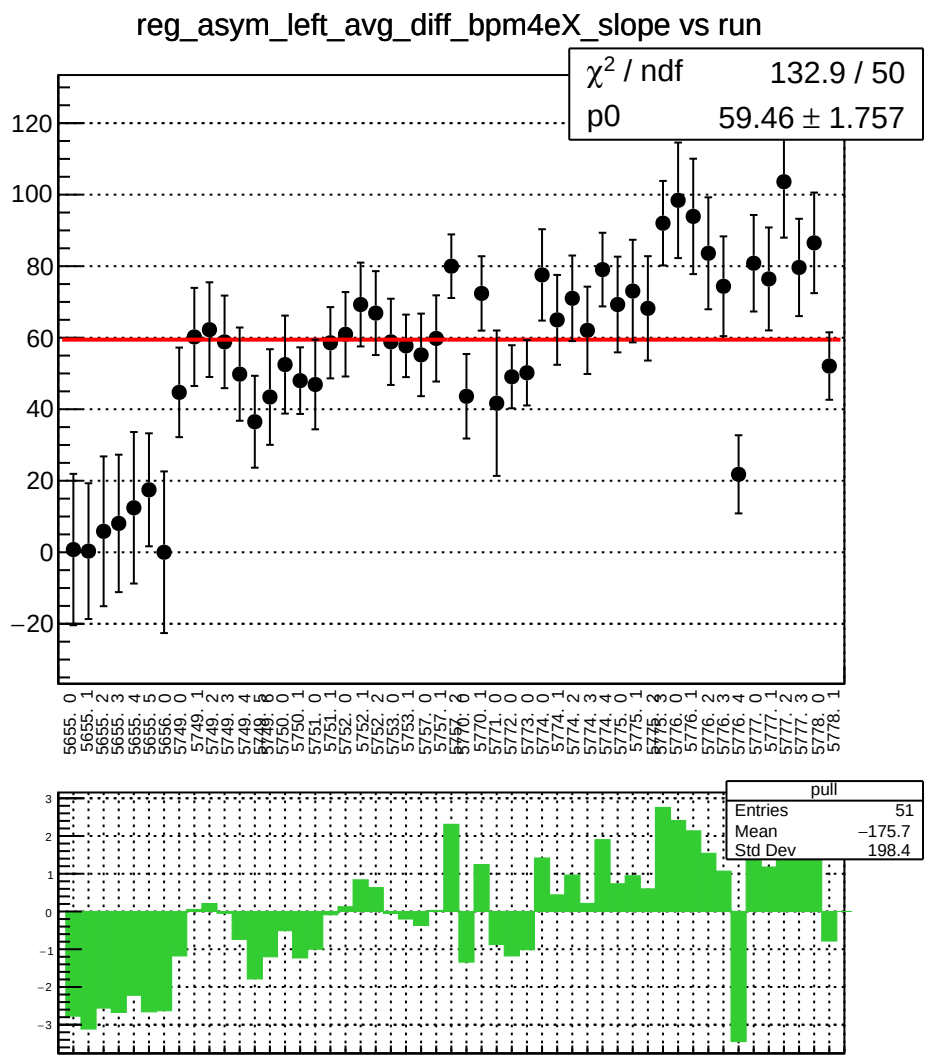

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 43.54 / 50
p0 −0.02051 ± 0.006771
pull
Entries 51
Mean 101.3
Std Dev 30.68
pull1D
Entries 51
Mean −0.009485
Std Dev 0.924

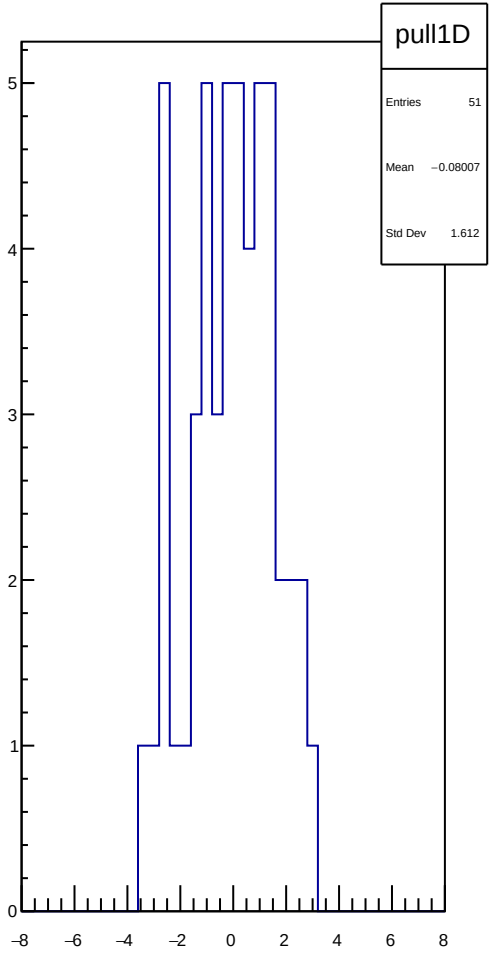

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 82.33 / 50
p0 −56.09 ± 1.362
pull
Entries 51
Mean −208.7
Std Dev 232.7

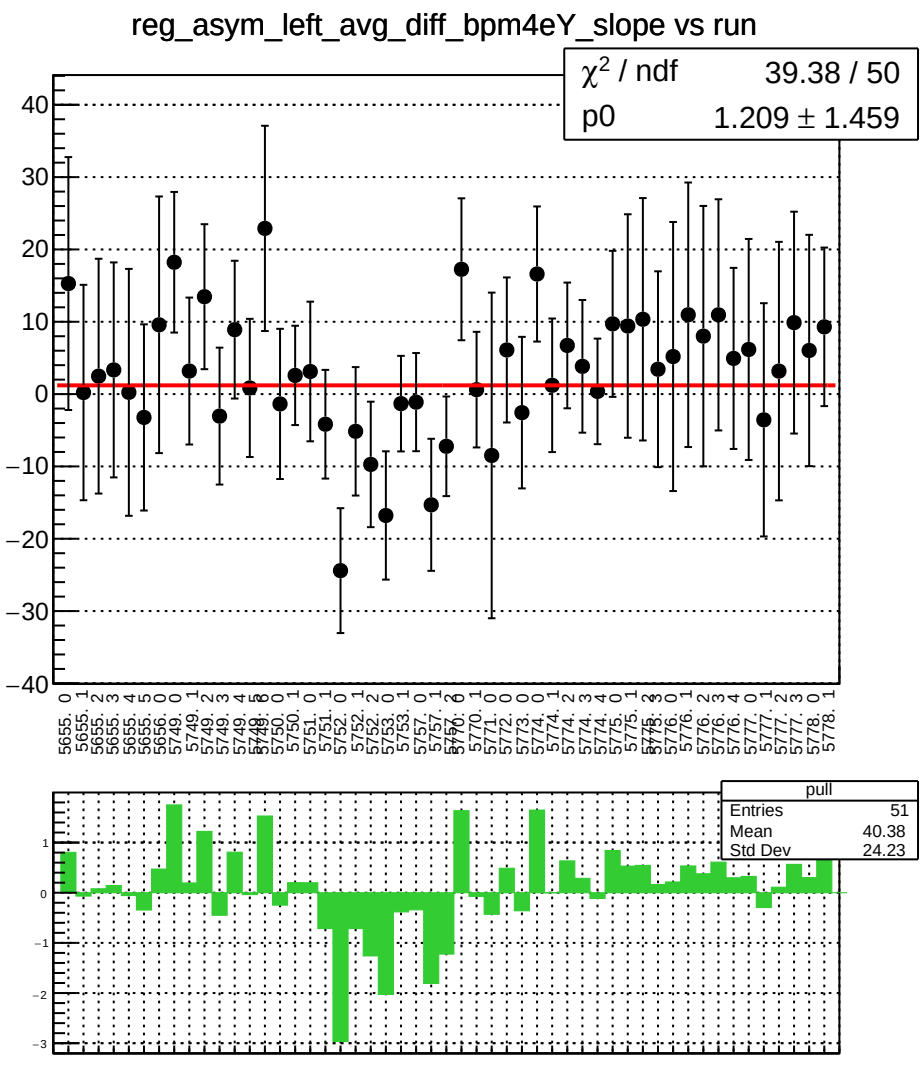

pull1D
Entries 51
Mean 0.04652
Std Dev 1.27

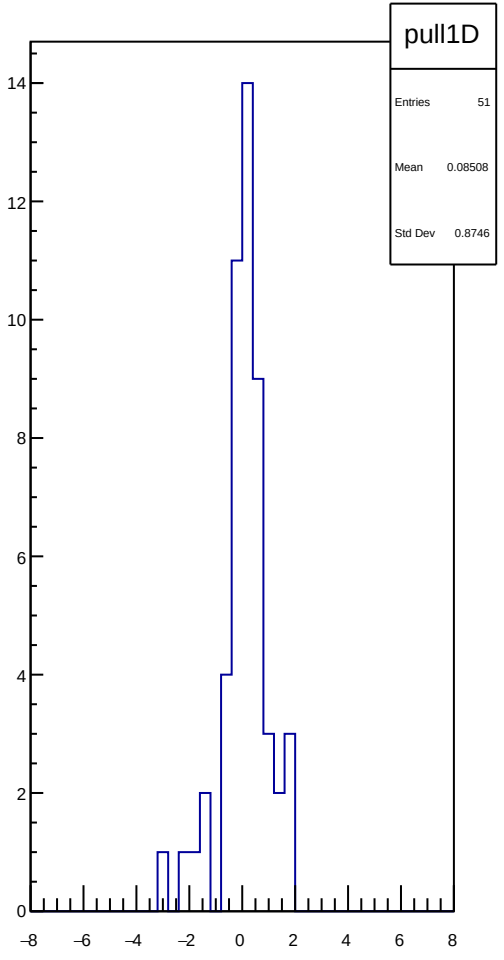

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.88 / 50
p0 8.376 ± 1.366
pull
Entries 51
Mean 35.29
Std Dev 26.6

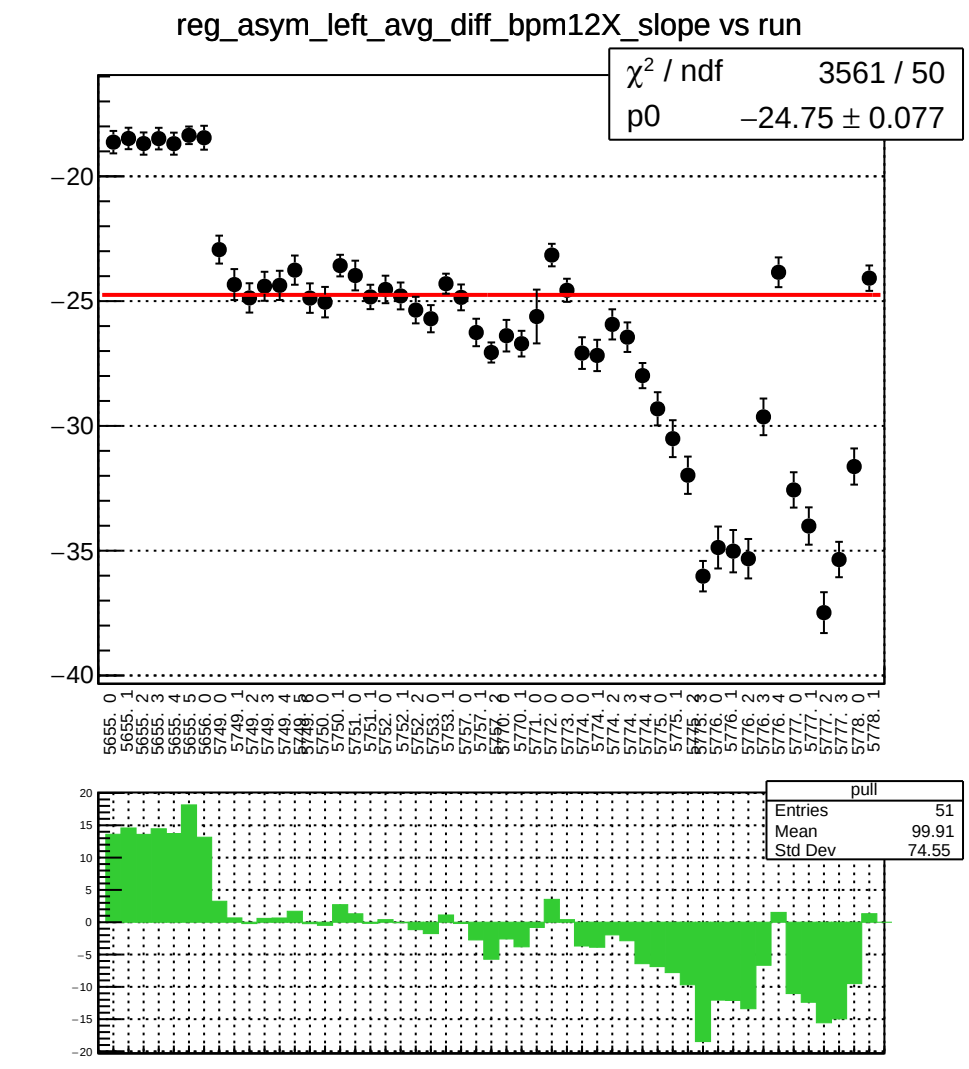

pull1D
Entries 51
Mean −0.09742
Std Dev 0.9009

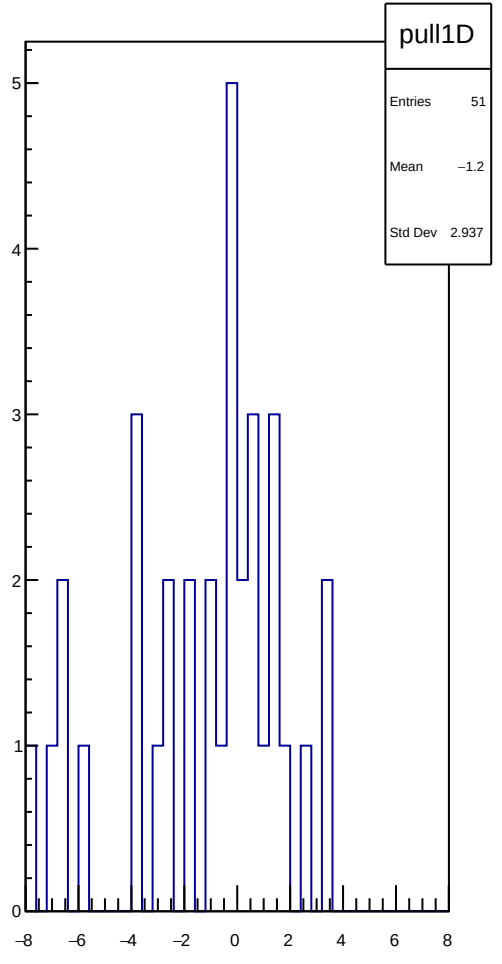

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 132.9 / 50
p0 59.46 ± 1.757
pull
Entries 51
Mean −175.7
Std Dev 198.4

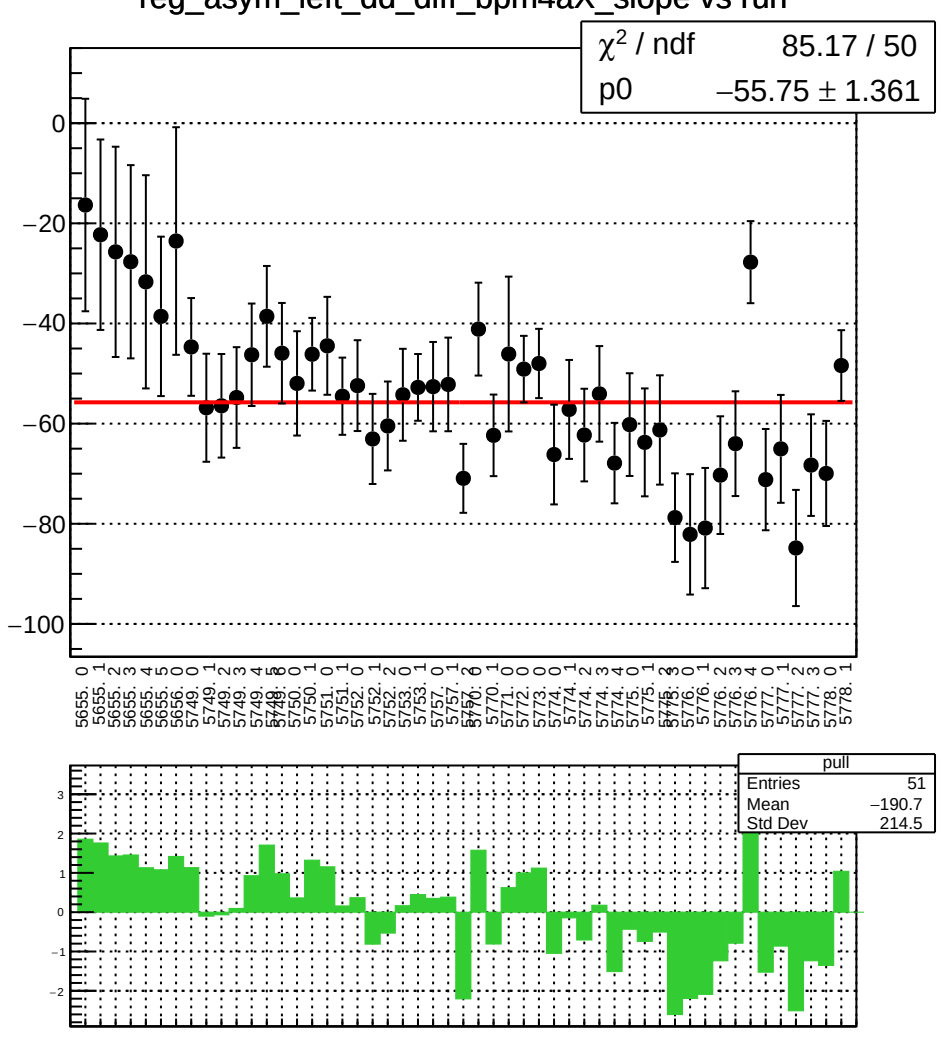

pull1D
Entries 51
Mean −0.08007
Std Dev 1.612

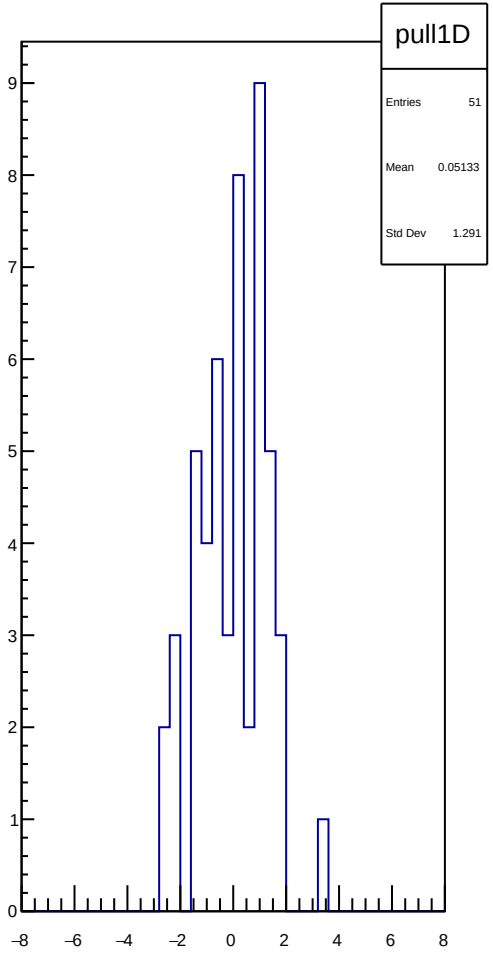

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.38 / 50
p0 1.209 ± 1.459
pull
Entries 51
Mean 40.38
Std Dev 24.23

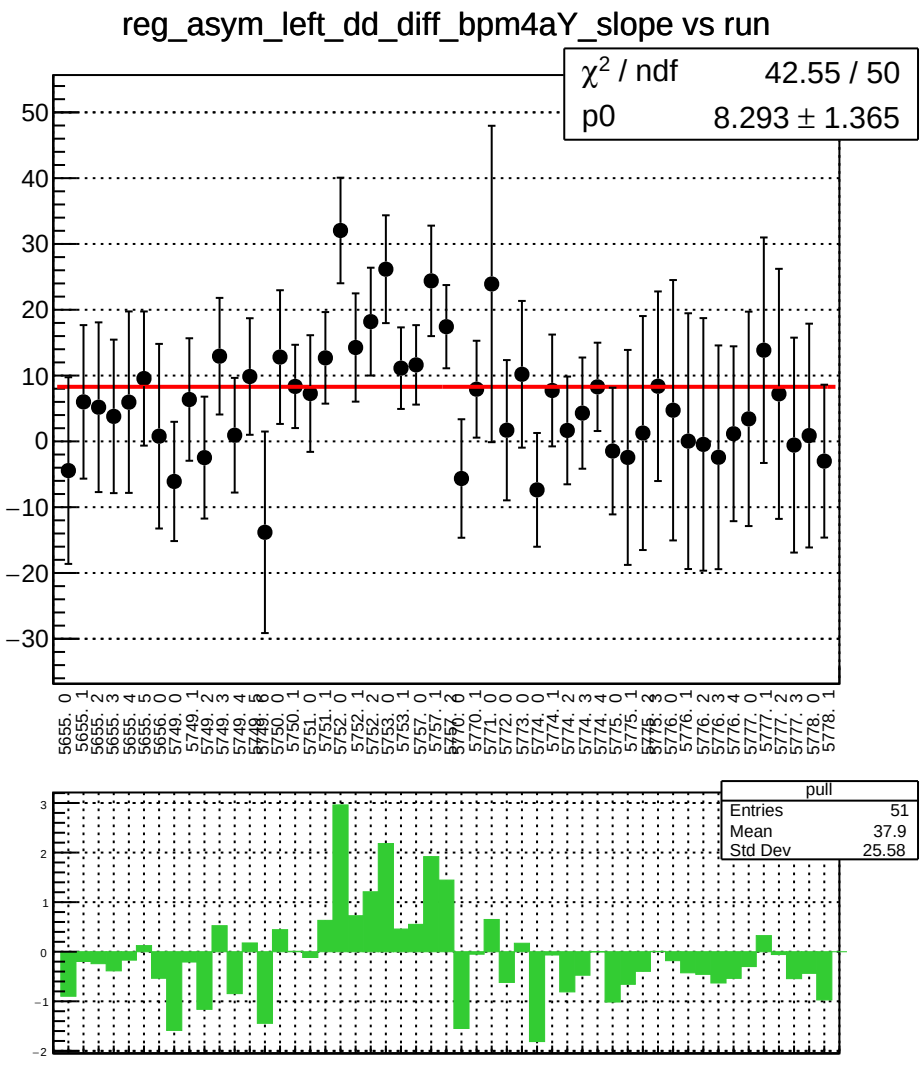

pull1D
Entries 51
Mean 0.08508
Std Dev 0.8746

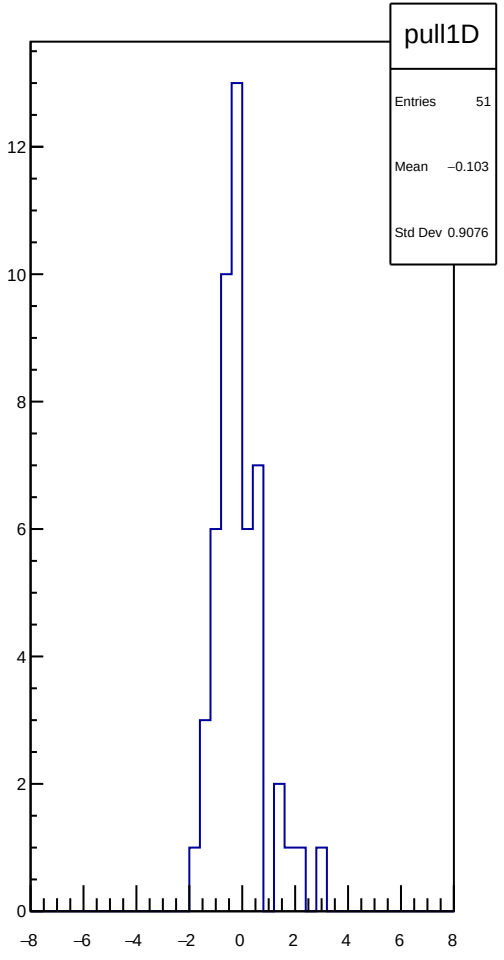

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 3561 / 50
p0 −24.75 ± 0.077
pull
Entries 51
Mean 99.91
Std Dev 74.55

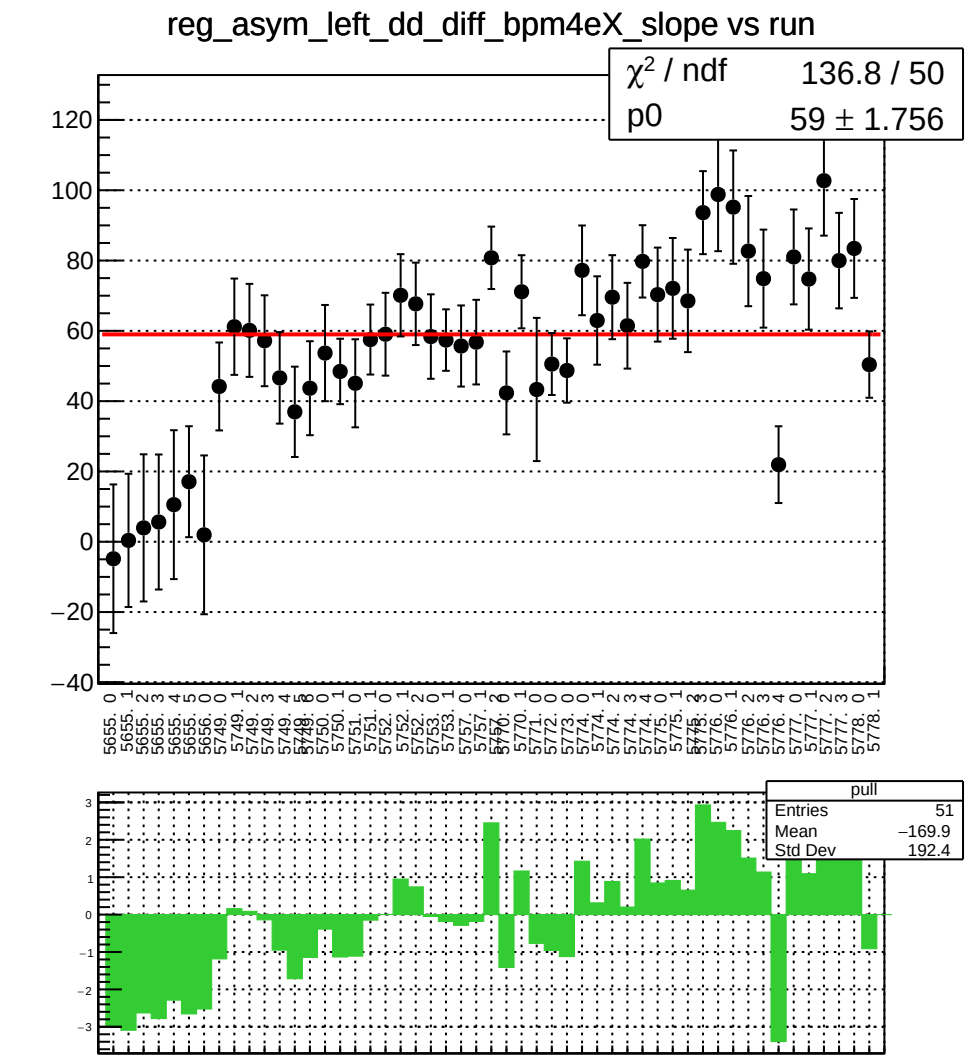

pull1D
Entries 51
Mean −1.2
Std Dev 2.937

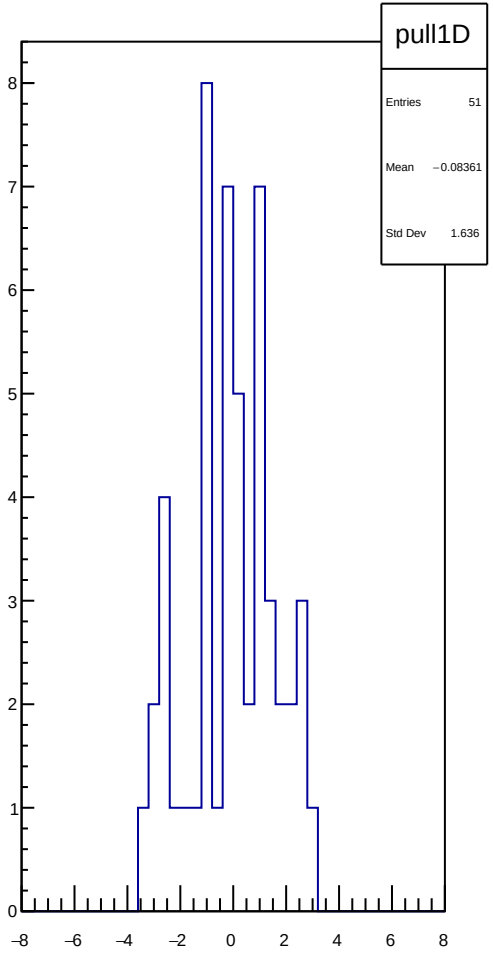

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 85.17 / 50
p0 −55.75 ± 1.361
pull
Entries 51
Mean −190.7
Std Dev 214.5

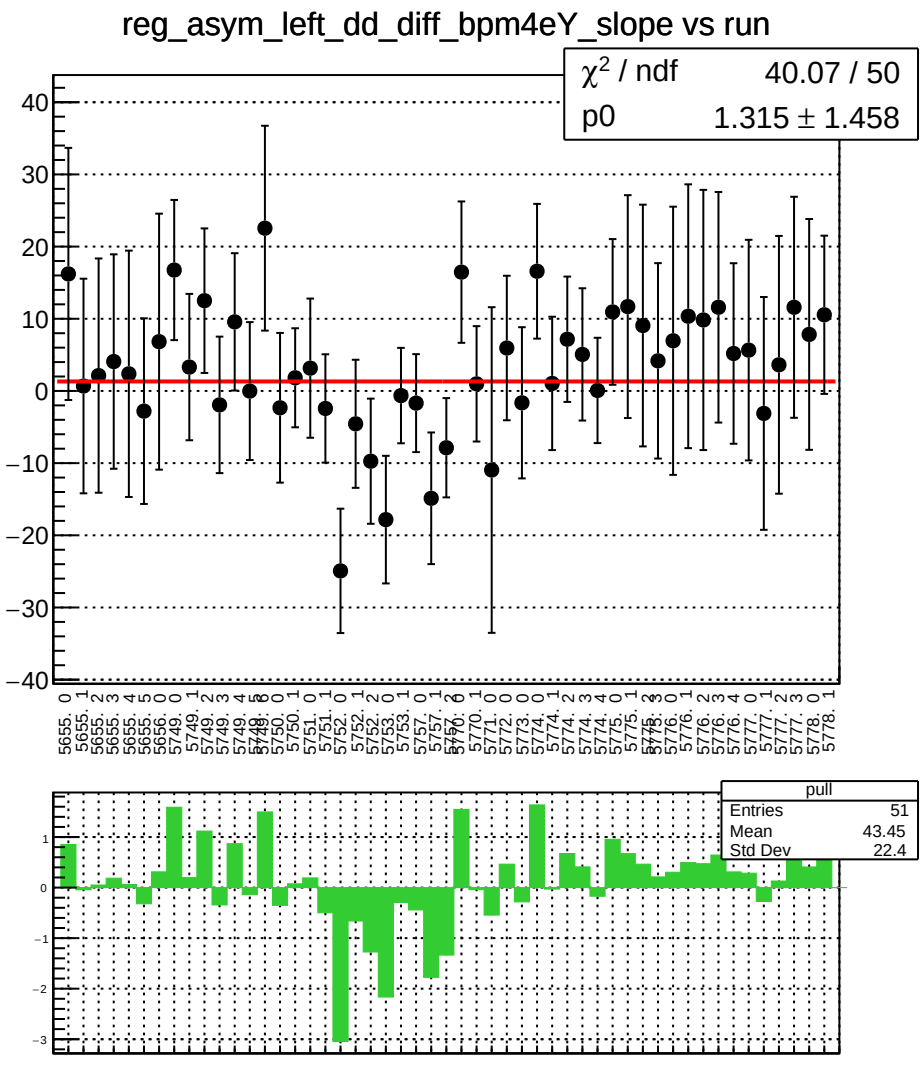

pull1D
Entries 51
Mean 0.05133
Std Dev 1.291

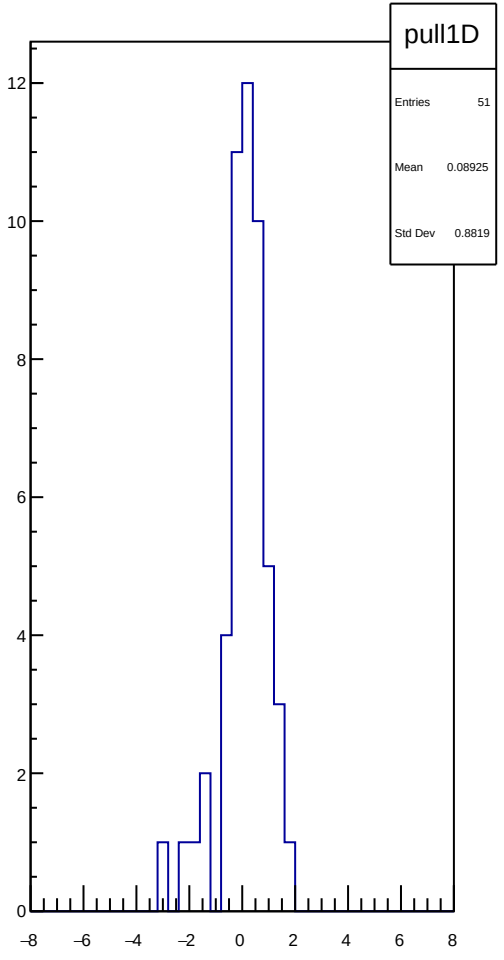

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.55 / 50
p0 8.293 ± 1.365
pull
Entries 51
Mean 37.9
Std Dev 25.58

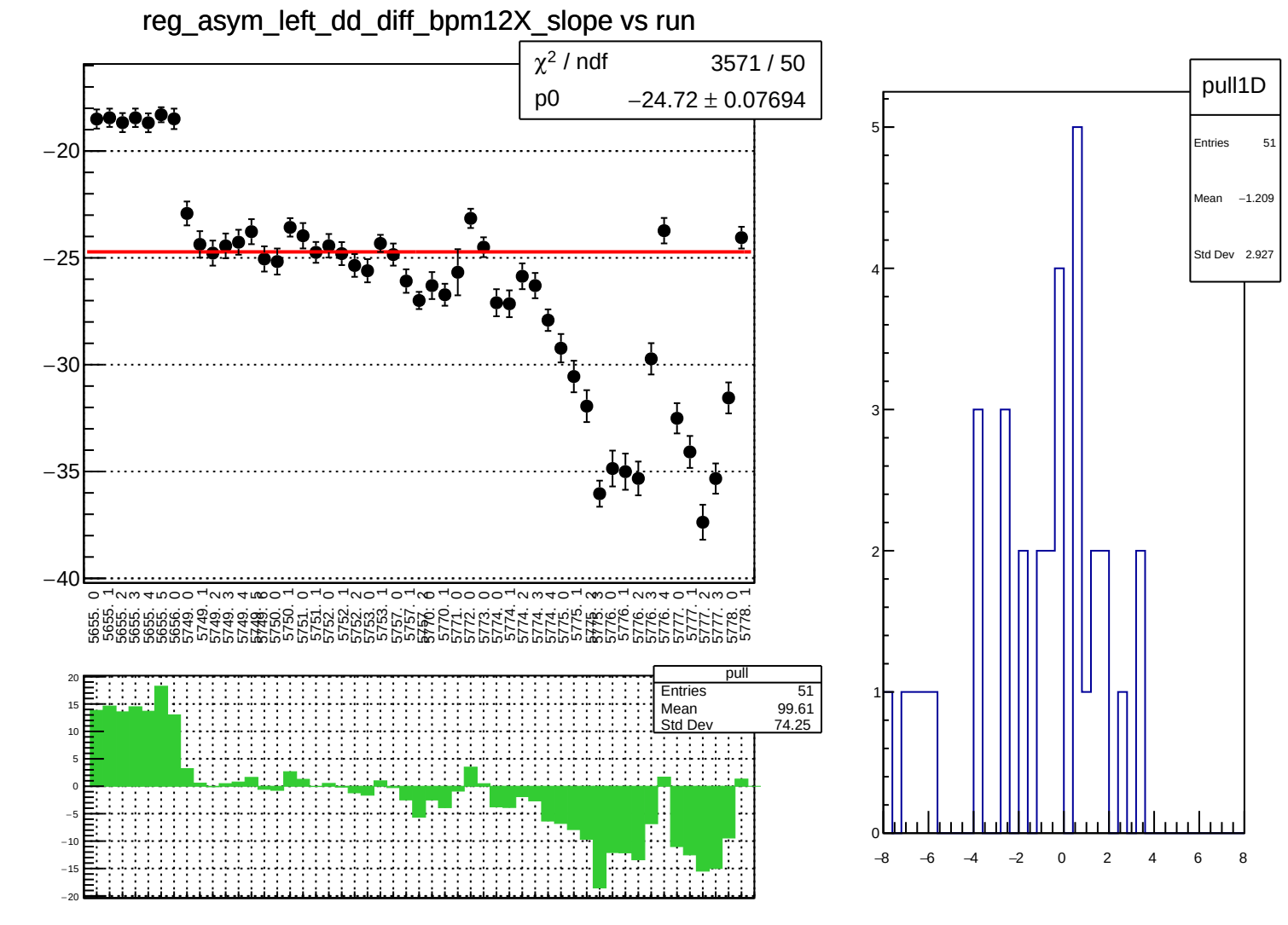

pull1D
Entries 51
Mean −0.103
Std Dev 0.9076

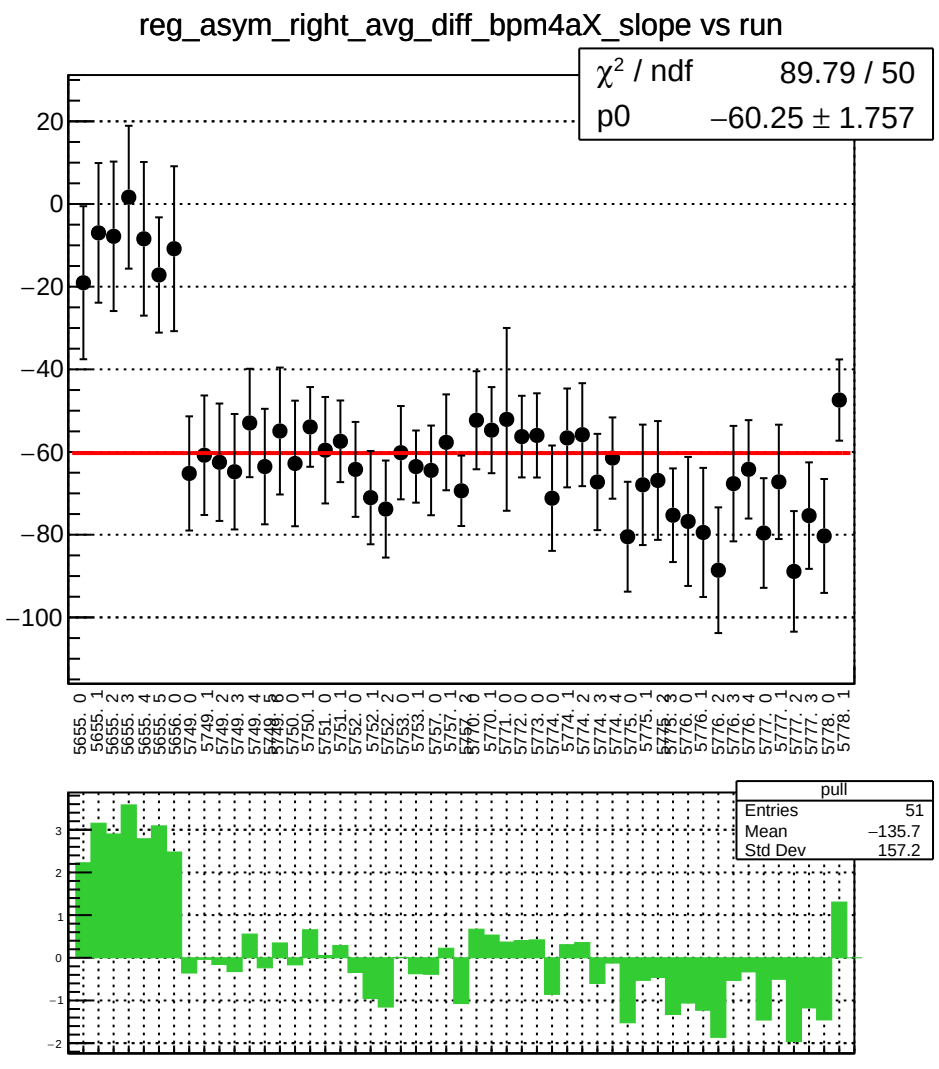

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 136.8 / 50
p0 59 ± 1.756
pull
Entries 51
Mean −169.9
Std Dev 192.4

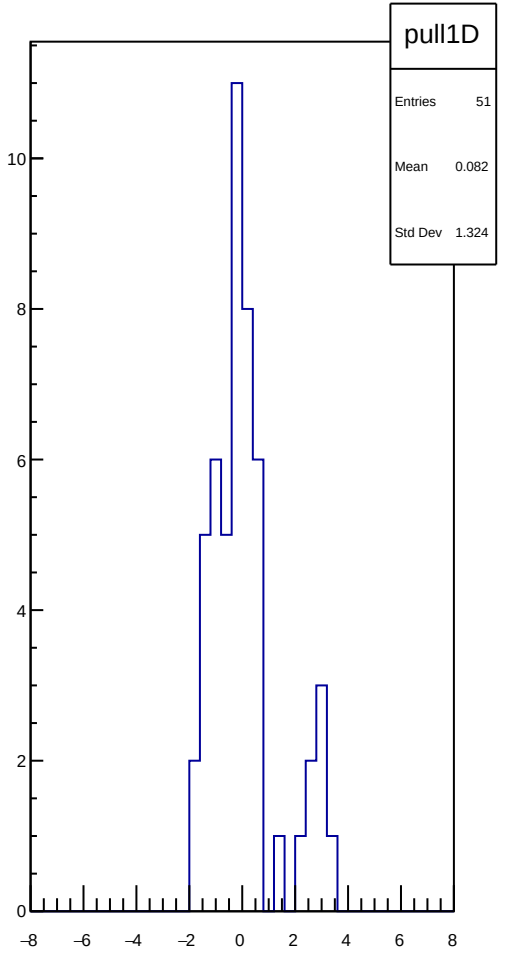

pull1D
Entries 51
Mean −0.08361
Std Dev 1.636

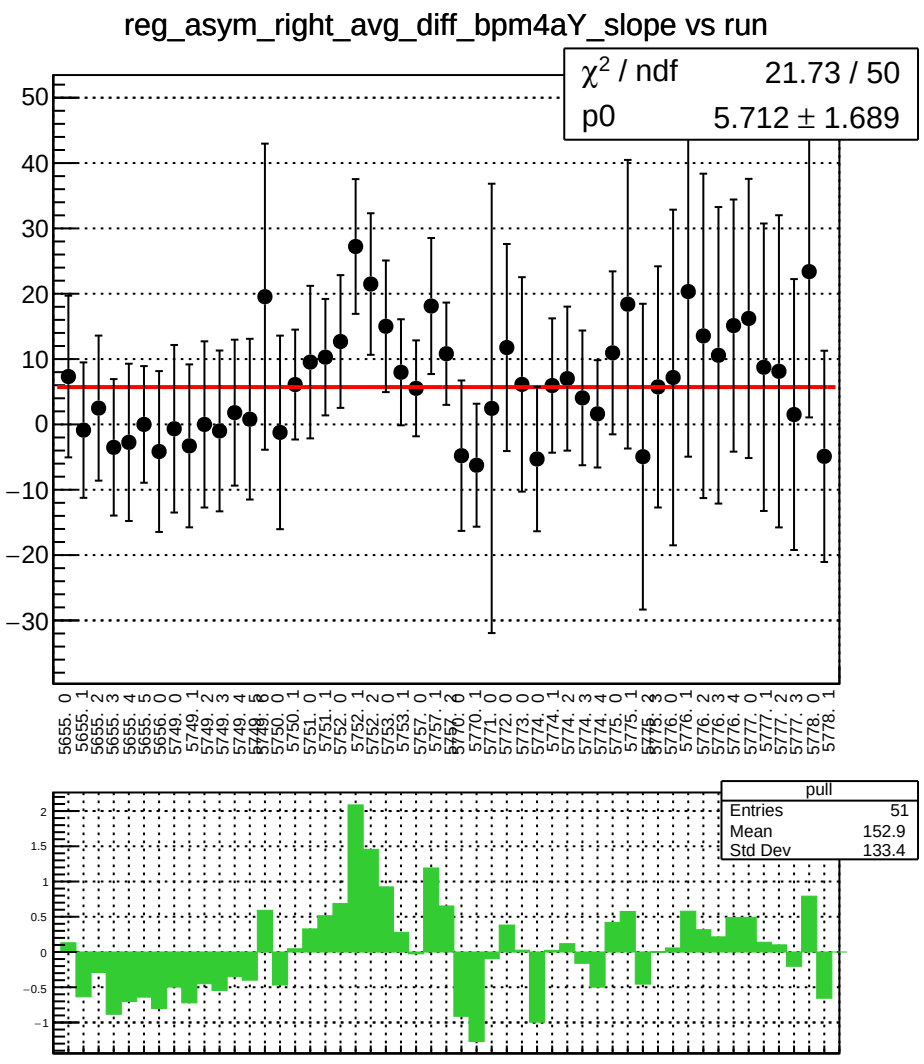

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.07 / 50
p0 1.315 ± 1.458
pull
Entries 51
Mean 43.45
Std Dev 22.4

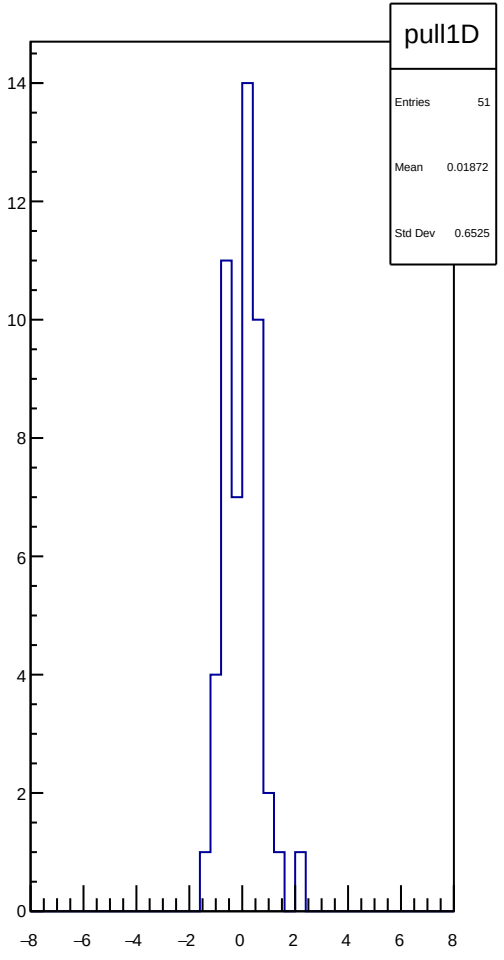

pull1D
Entries 51
Mean 0.08925
Std Dev 0.8819

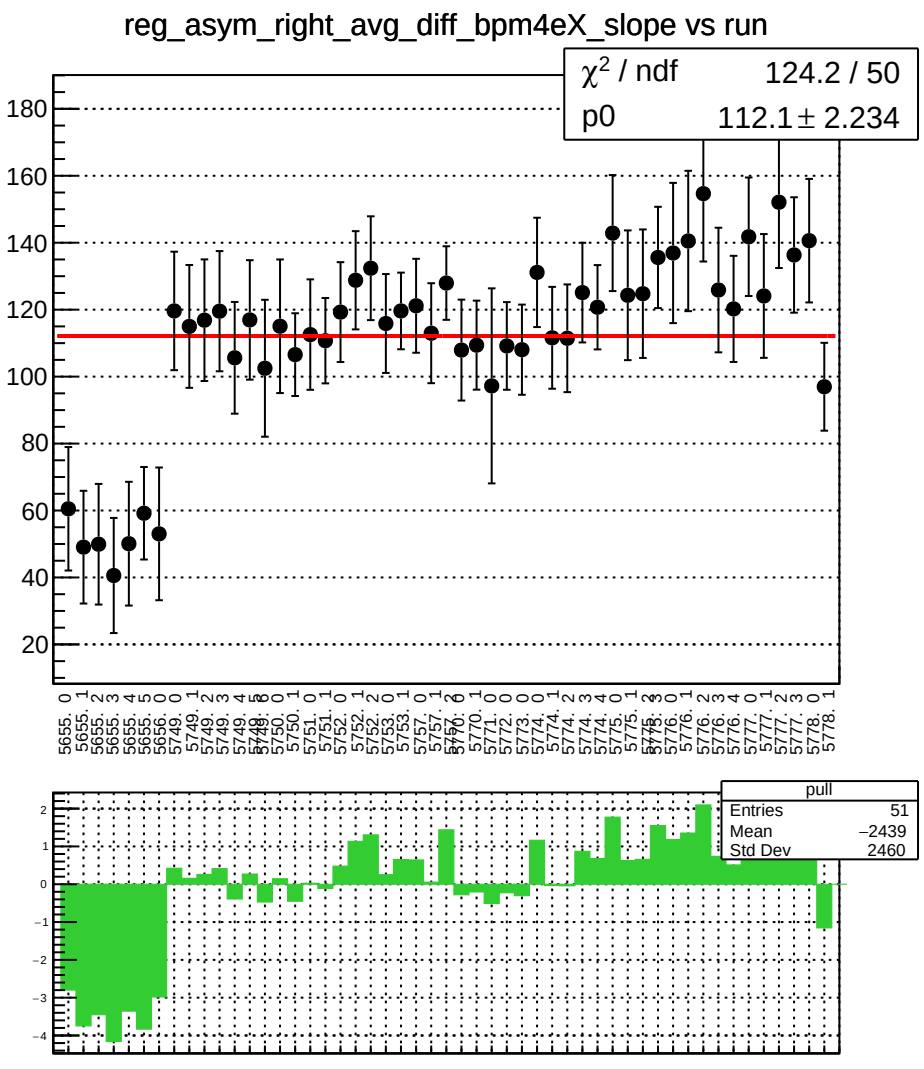

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 3571 / 50
p0 −24.72 ± 0.07694
pull
Entries 51
Mean 99.61
Std Dev 74.25
pull1D
Entries 51
Mean −1.209
Std Dev 2.927

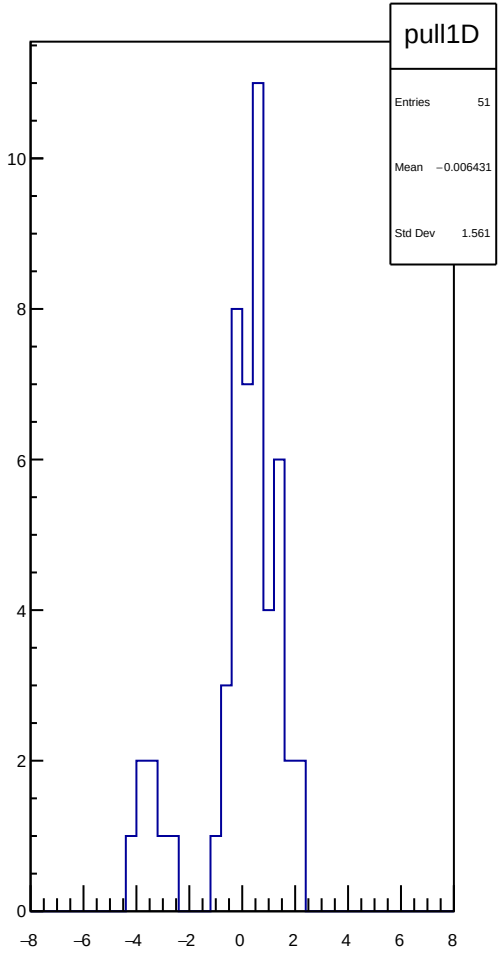

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 89.79 / 50
p0 −60.25 ± 1.757
pull
Entries 51
Mean −135.7
Std Dev 157.2

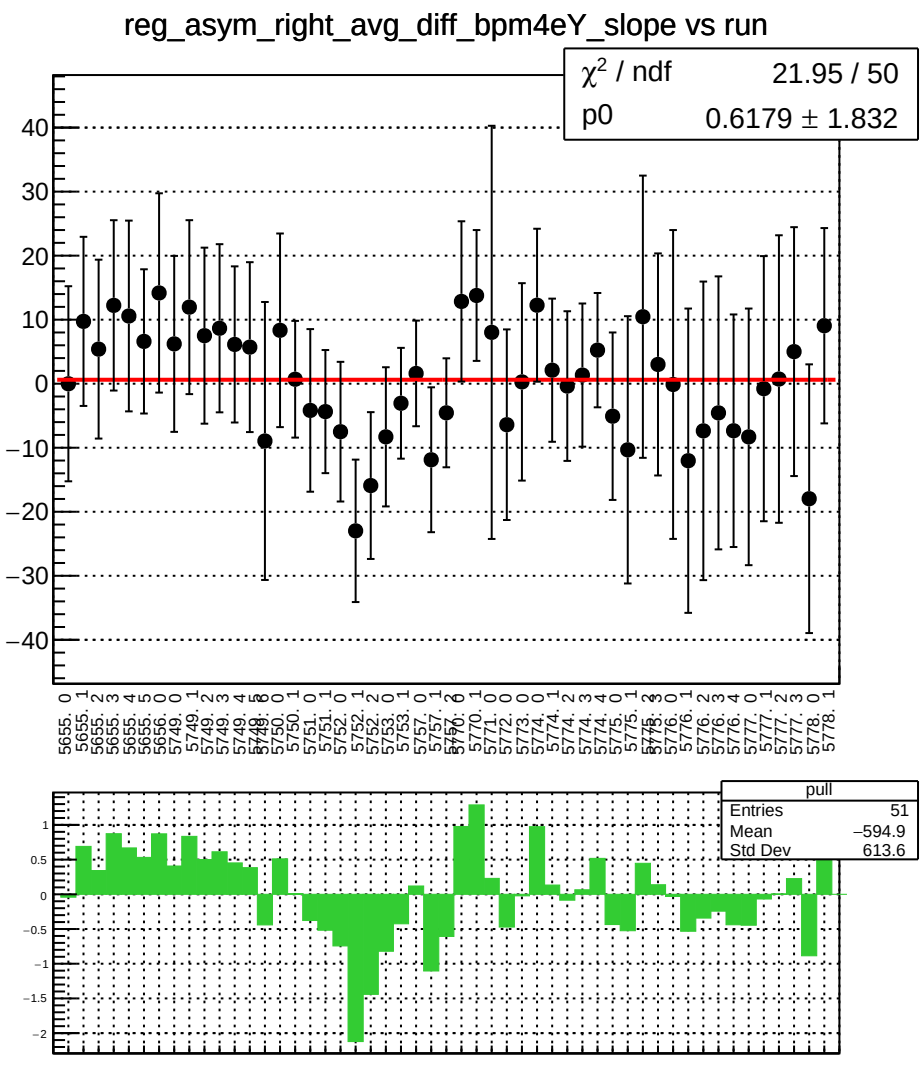

pull1D
Entries 51
Mean 0.082
Std Dev 1.324

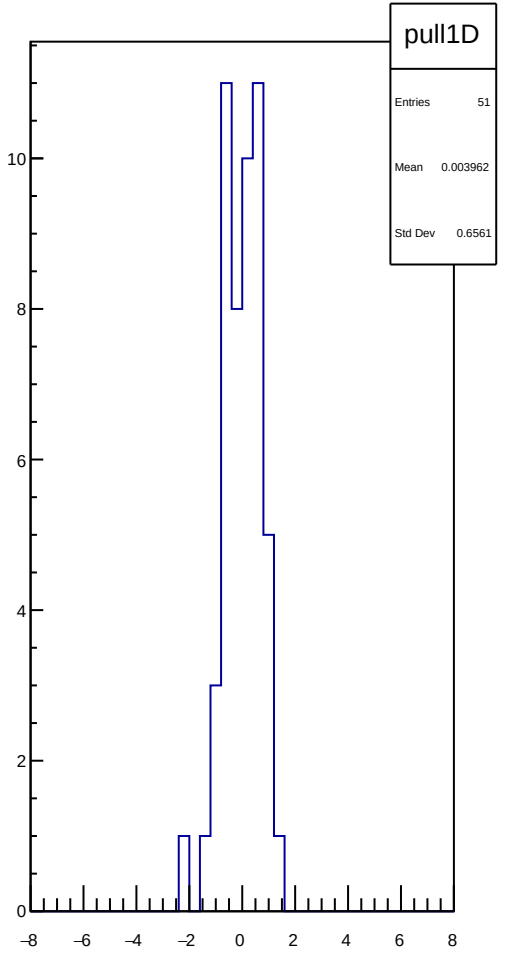

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.73 / 50
p0 5.712 ± 1.689
pull
Entries 51
Mean 152.9
Std Dev 133.4

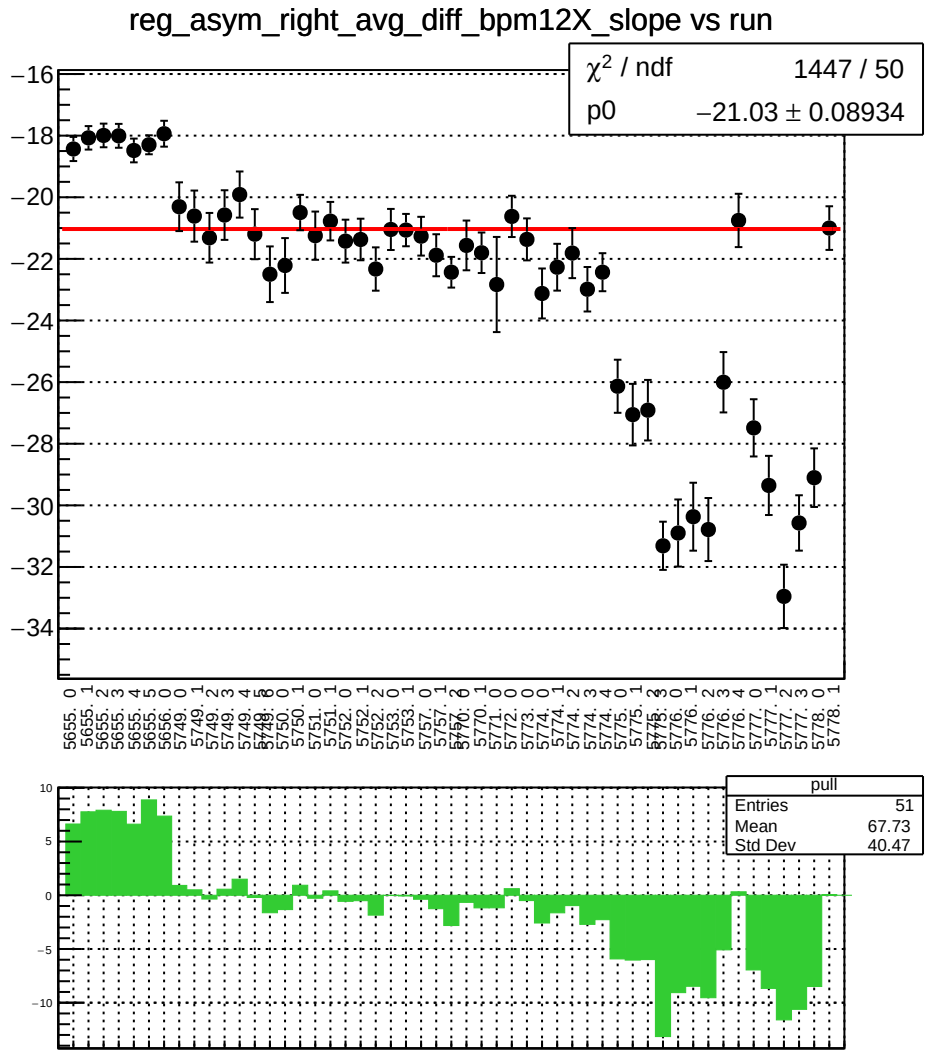

pull1D
Entries 51
Mean 0.01872
Std Dev 0.6525

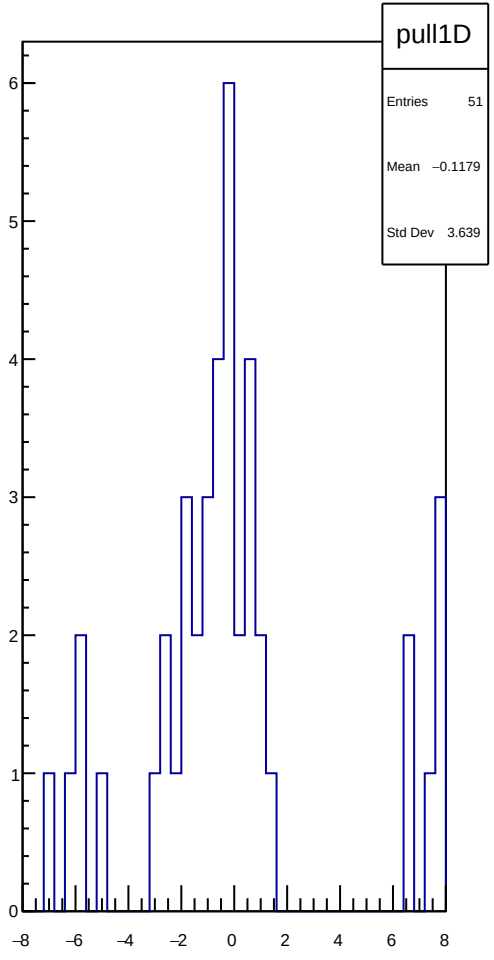

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.2 / 50
p0 112.1 ± 2.234
pull
Entries 51
Mean −2439
Std Dev 2460

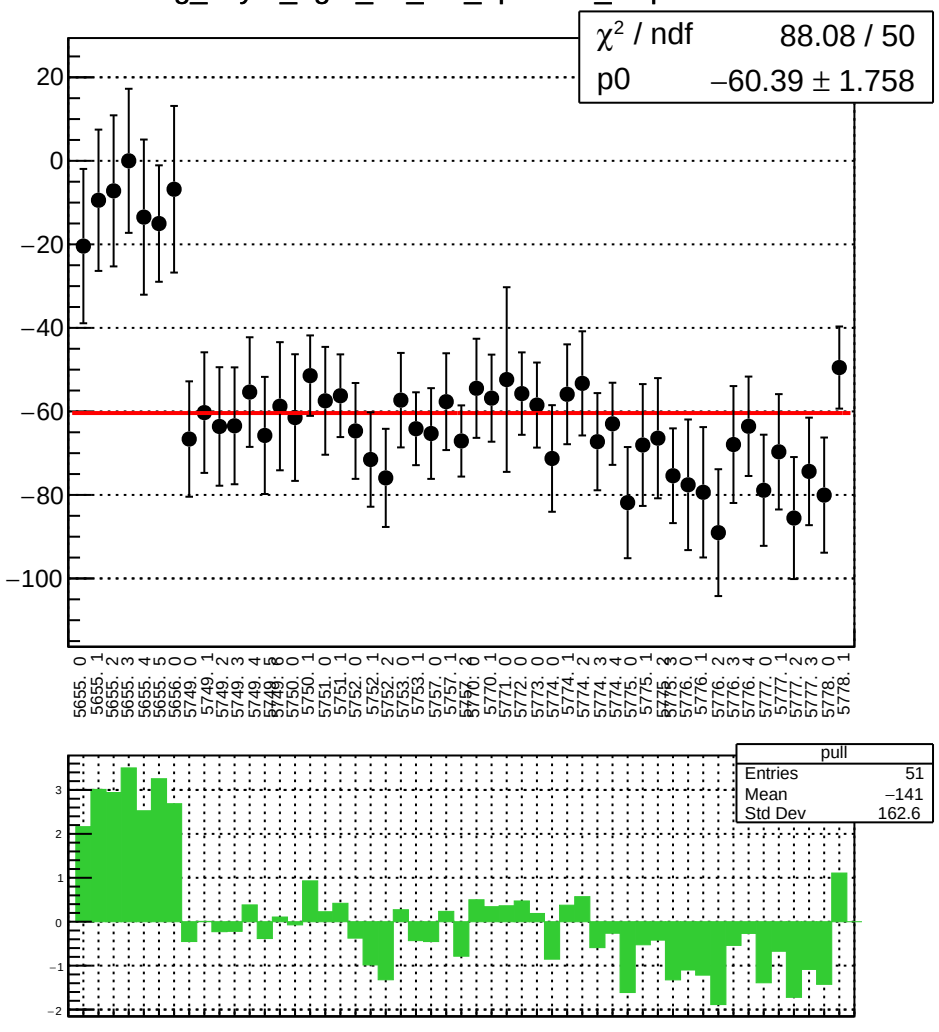

pull1D
Entries 51
Mean −0.006431
Std Dev 1.561

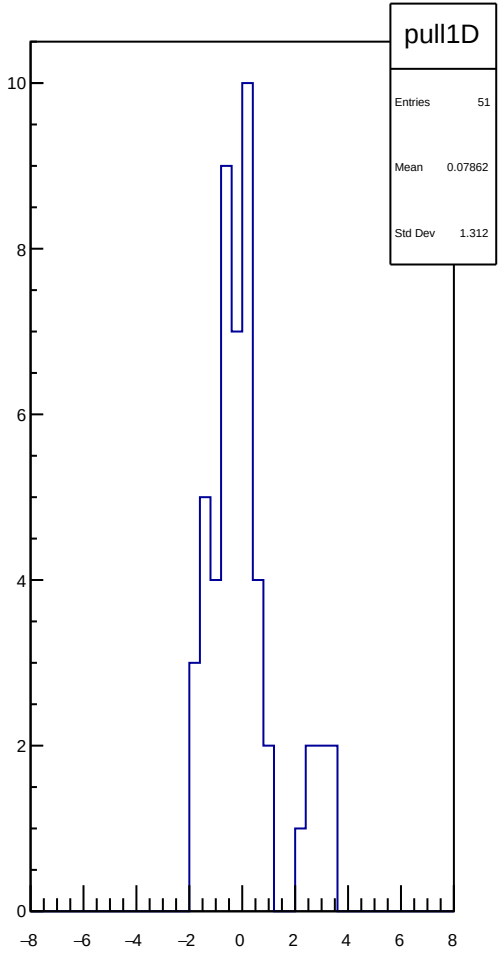

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.95 / 50
p0 0.6179 ± 1.832
pull
Entries 51
Mean −594.9
Std Dev 613.6

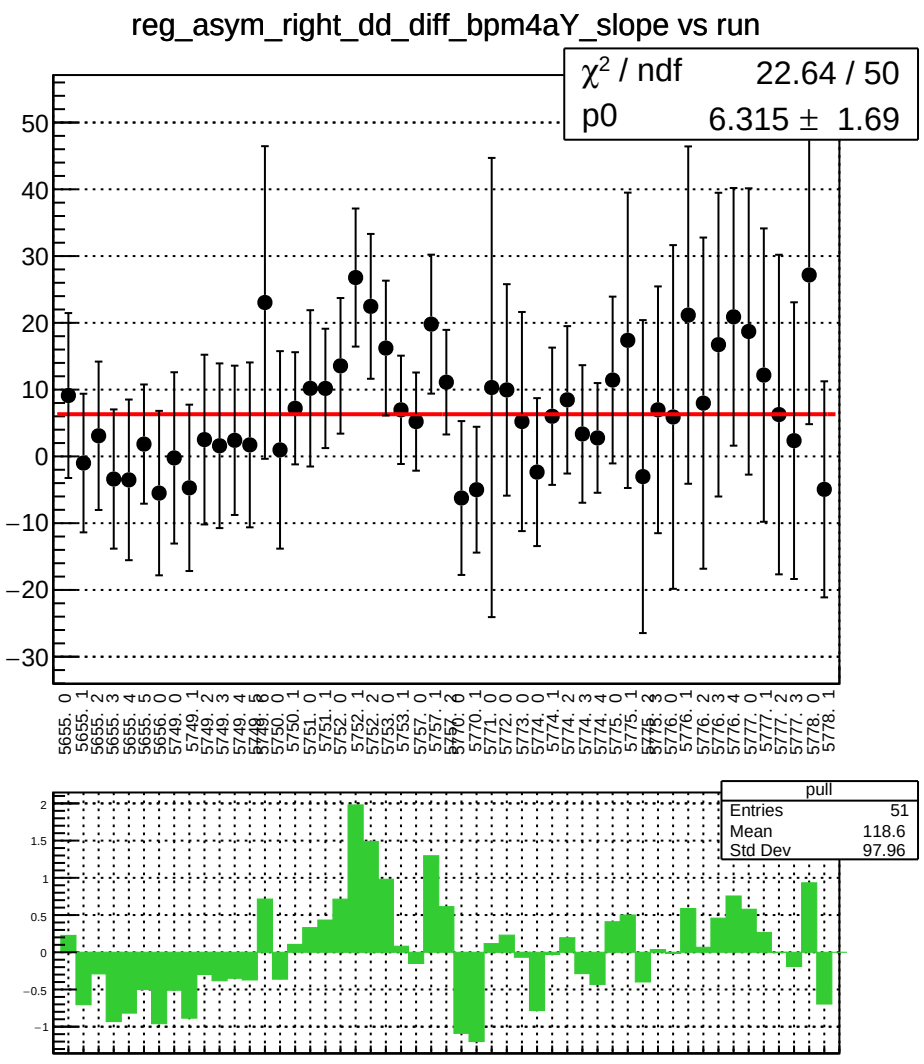

pull1D
Entries 51
Mean 0.003962
Std Dev 0.6561

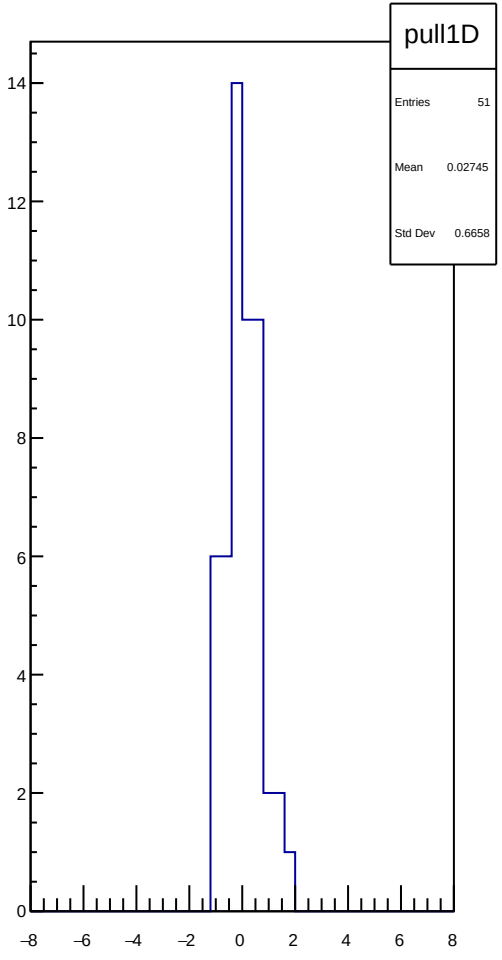

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 1447 / 50
p0 −21.03 ± 0.08934
pull
Entries 51
Mean 67.73
Std Dev 40.47

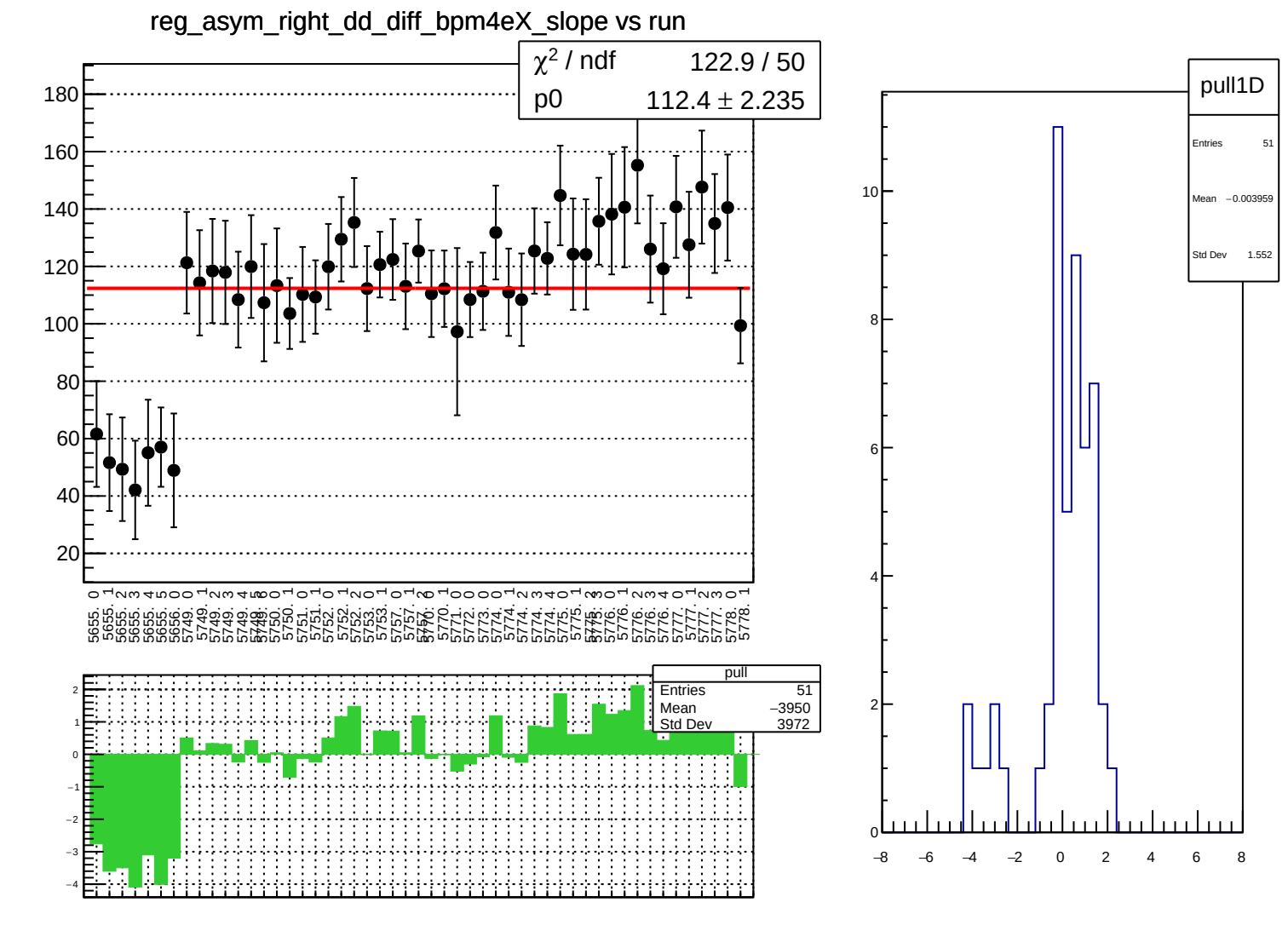

pull1D
Entries 51
Mean −0.1179
Std Dev 3.639

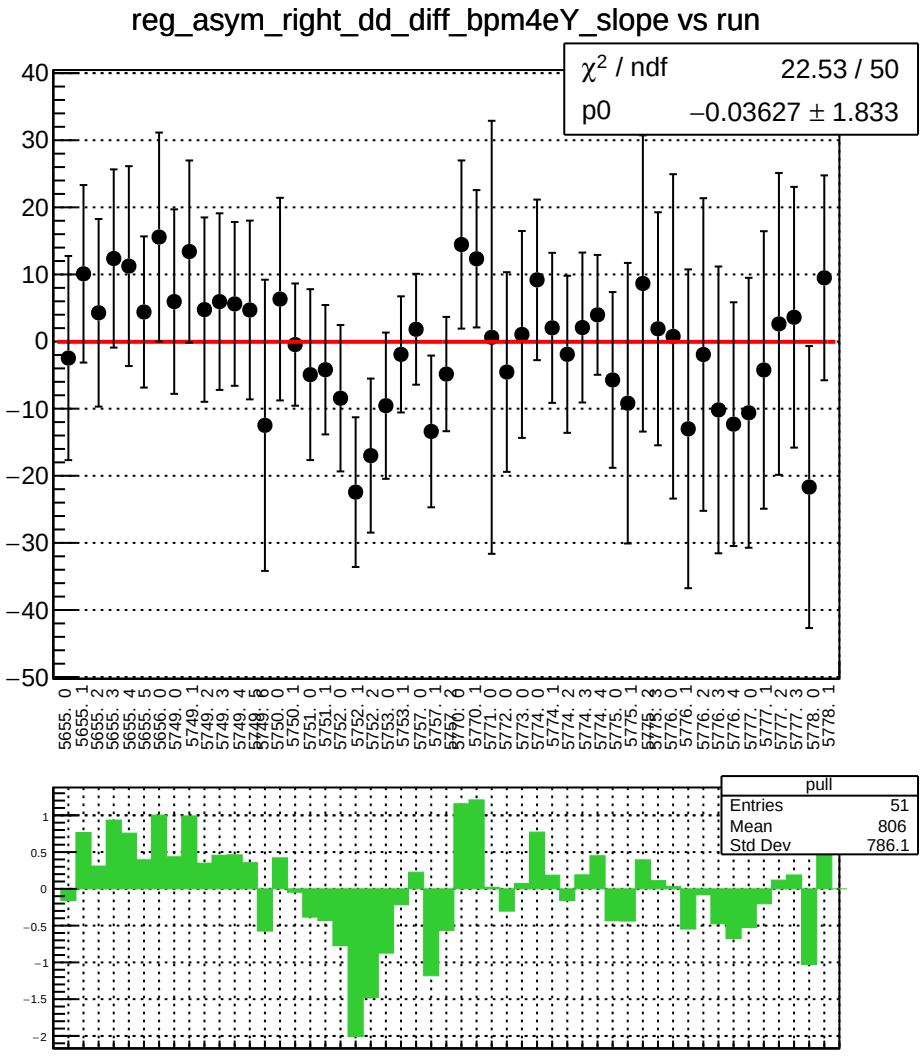

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 88.08 / 50
p0 −60.39 ± 1.758
pull
Entries 51
Mean −141
Std Dev 162.6

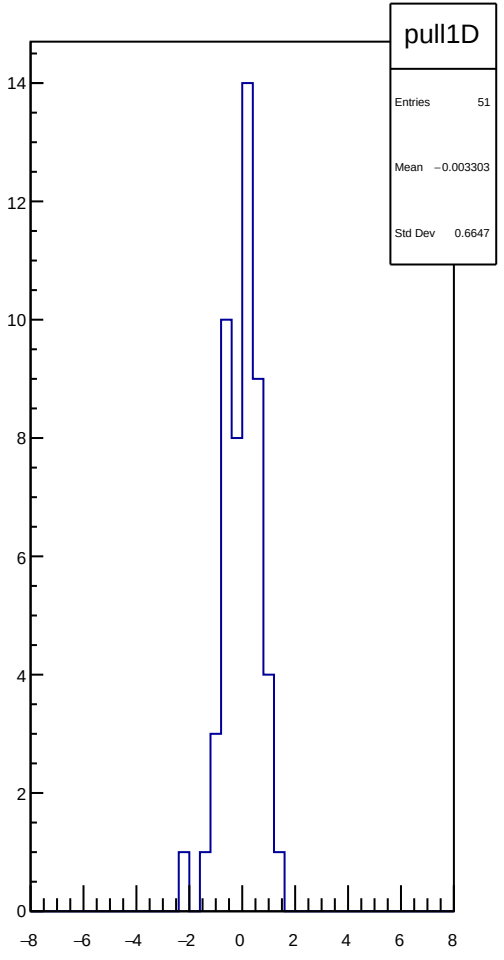

pull1D
Entries 51
Mean 0.07862
Std Dev 1.312

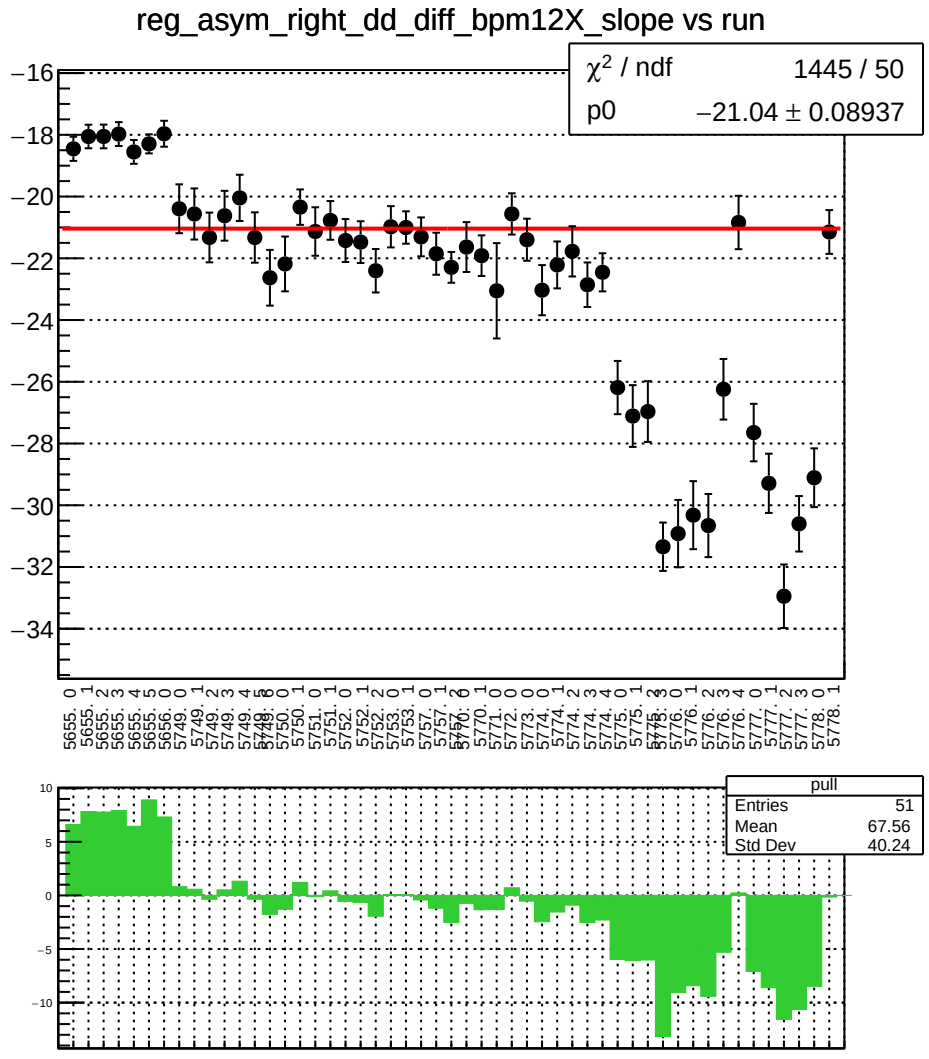

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.64 / 50
p0 6.315 ± 1.69
pull
Entries 51
Mean 118.6
Std Dev 97.96

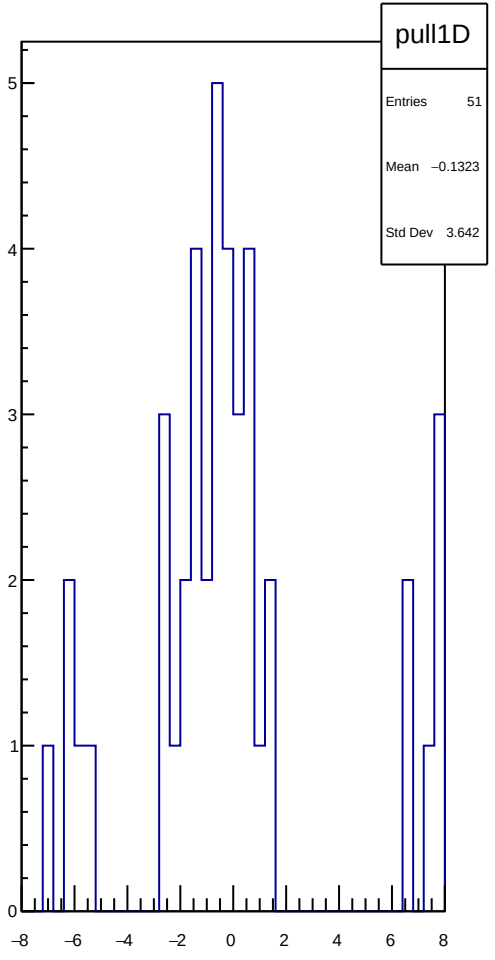

pull1D
Entries 51
Mean 0.02745
Std Dev 0.6658

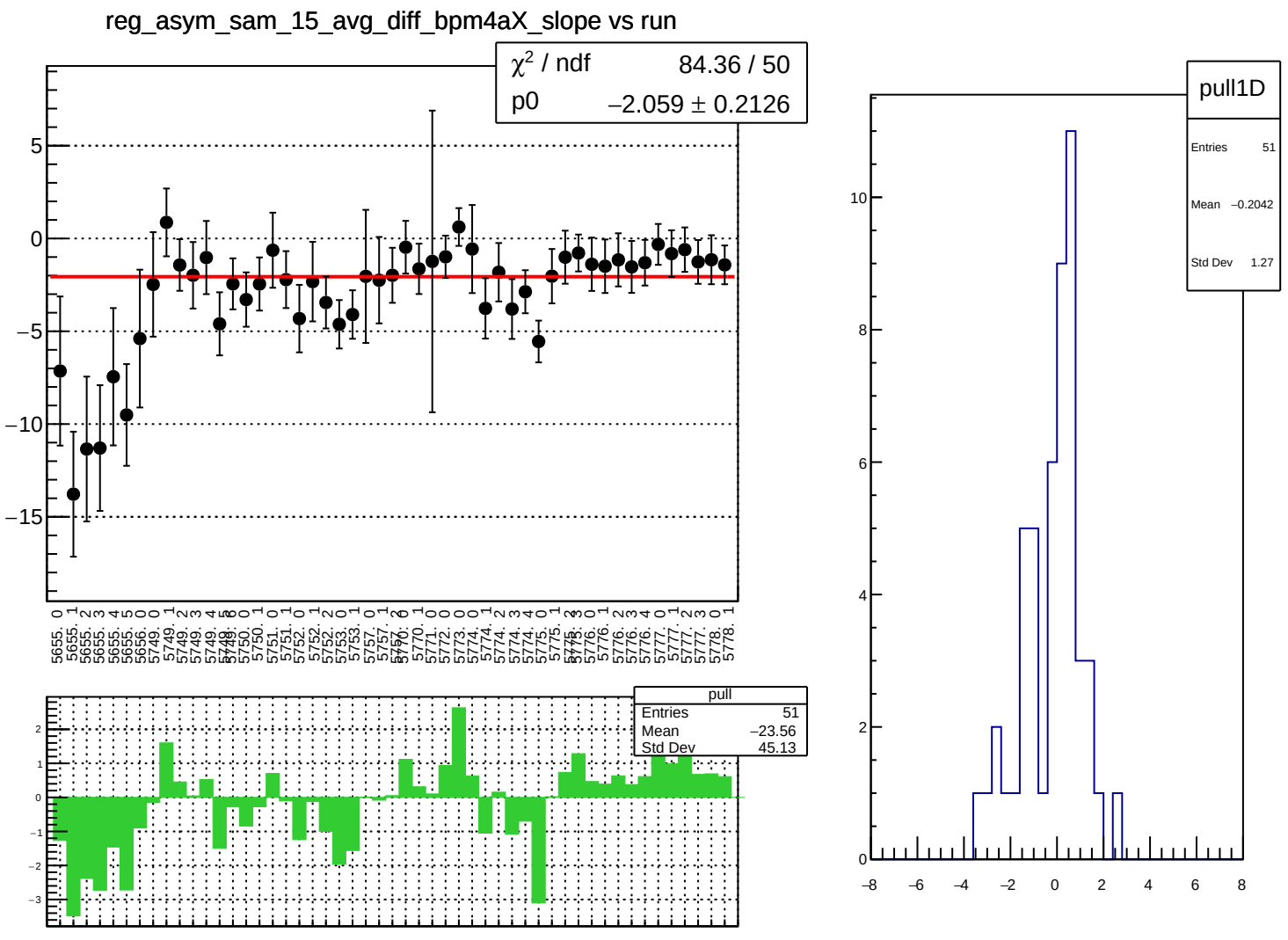

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 122.9 / 50
p0 112.4 ± 2.235
pull
Entries 51
Mean −3950
Std Dev 3972
pull1D
Entries 51
Mean −0.003959
Std Dev 1.552

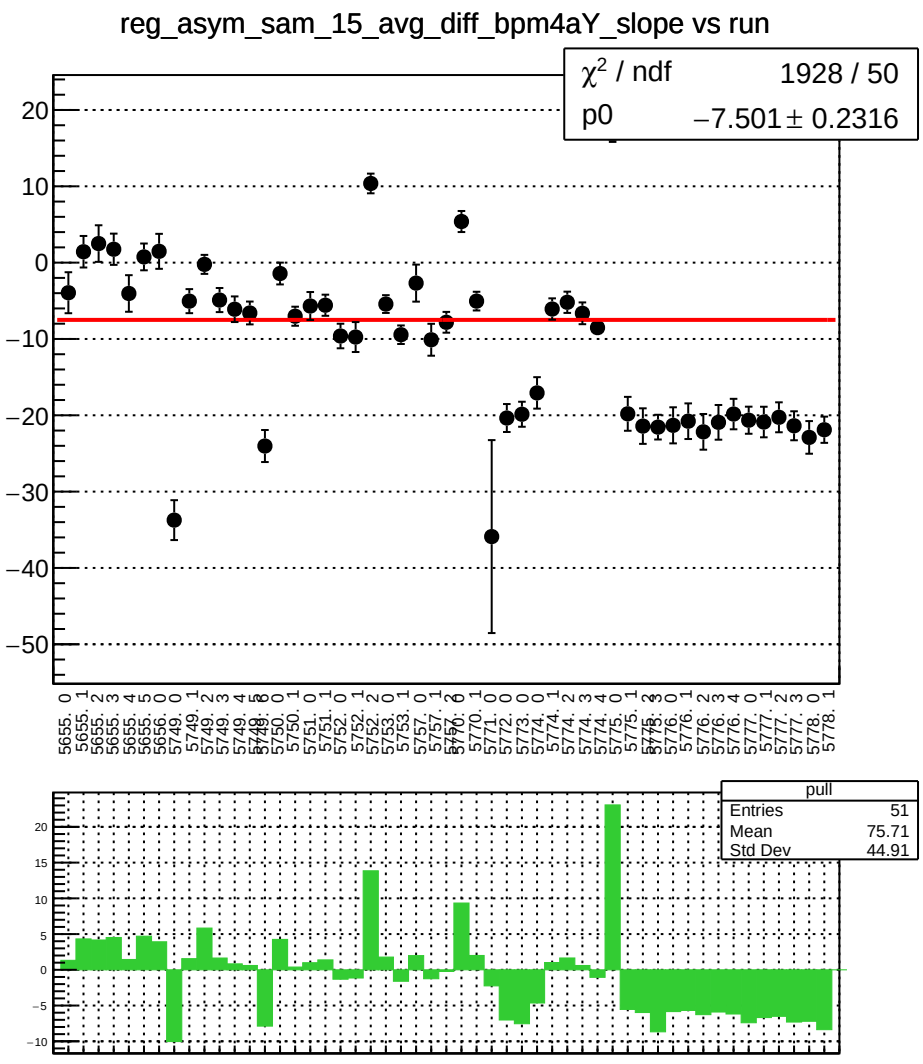

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.53 / 50
p0 −0.03627 ± 1.833
pull
Entries 51
Mean 806
Std Dev 786.1

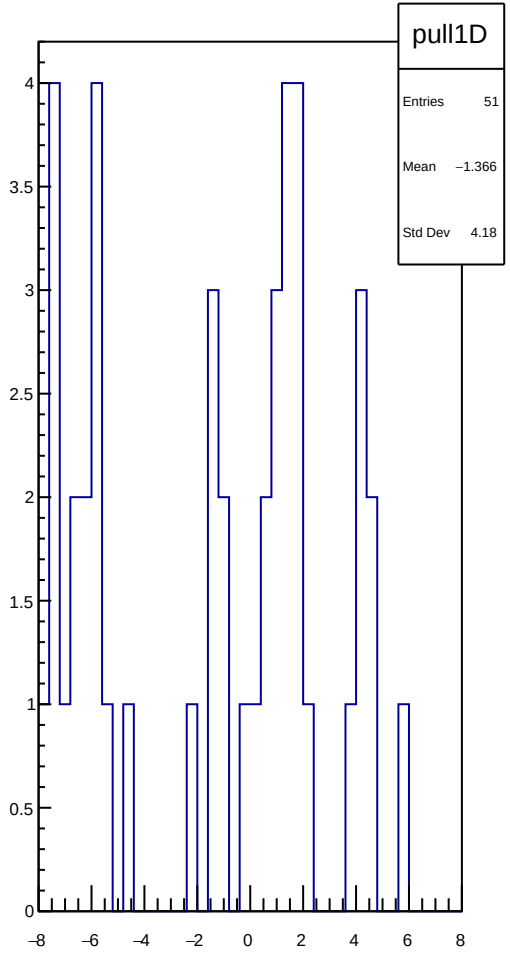

pull1D
Entries 51
Mean −0.003303
Std Dev 0.6647

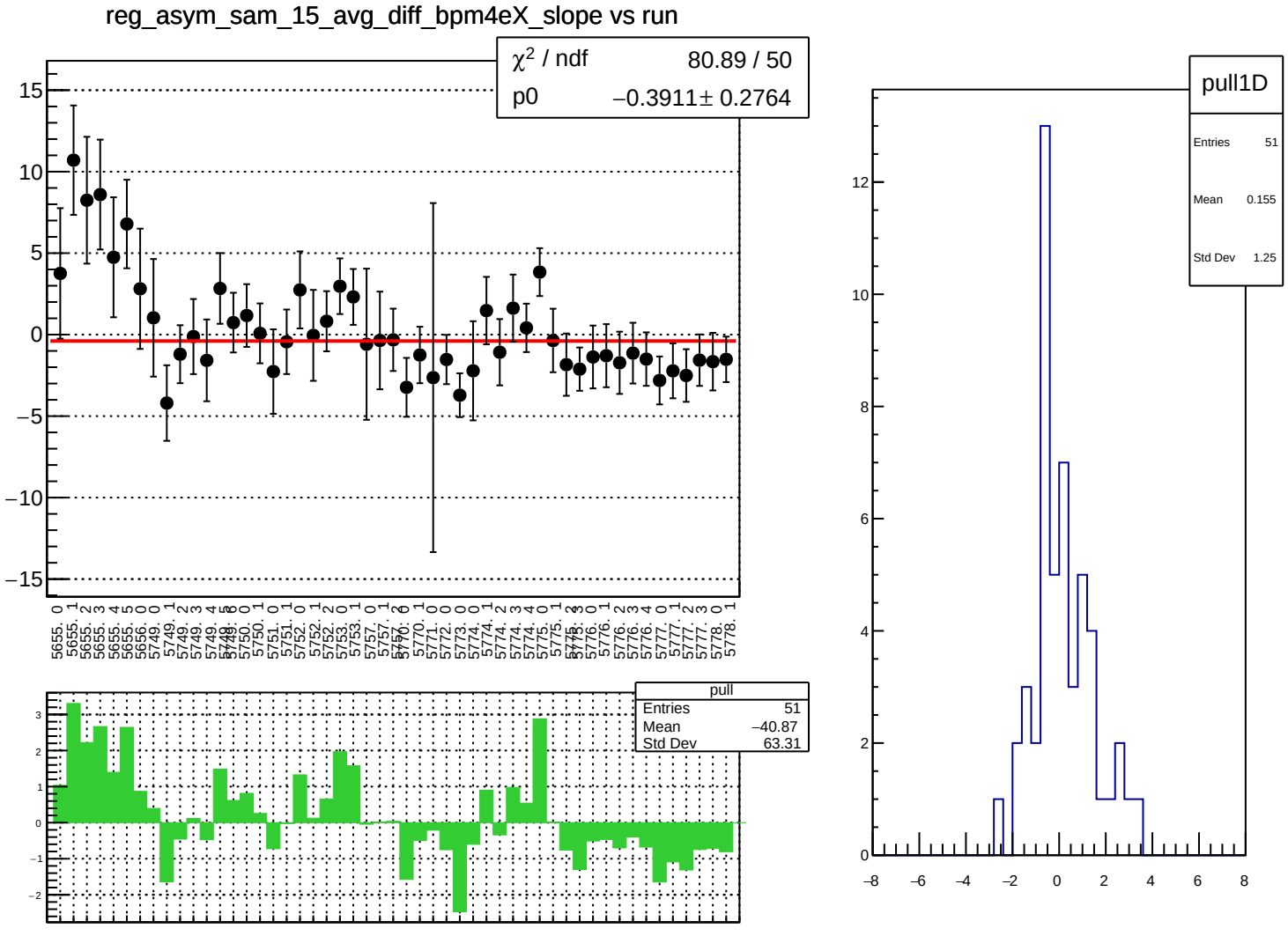

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1445 / 50
p0 −21.04 ± 0.08937
pull
Entries 51
Mean 67.56
Std Dev 40.24

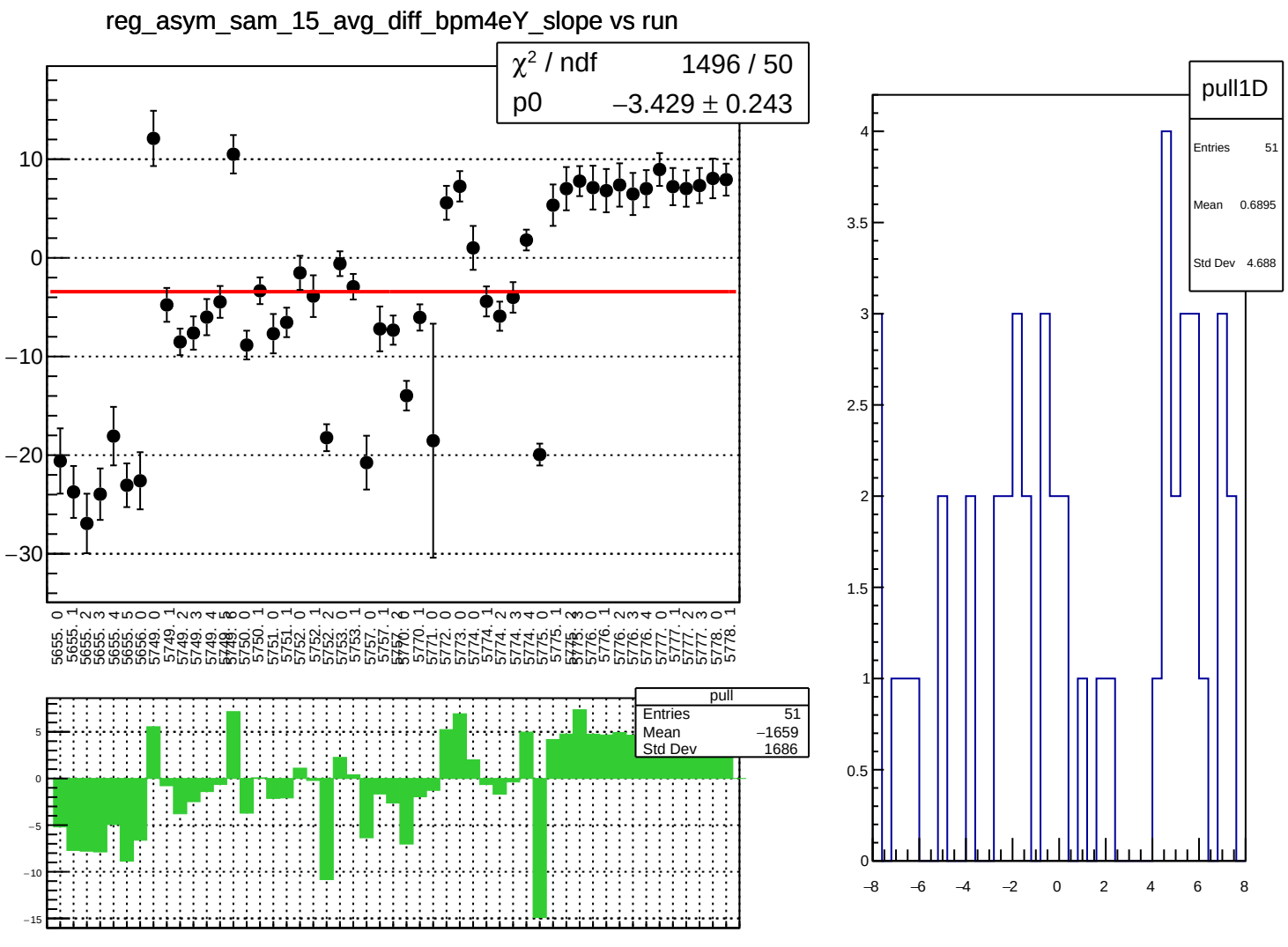

pull1D
Entries 51
Mean −0.1323
Std Dev 3.642

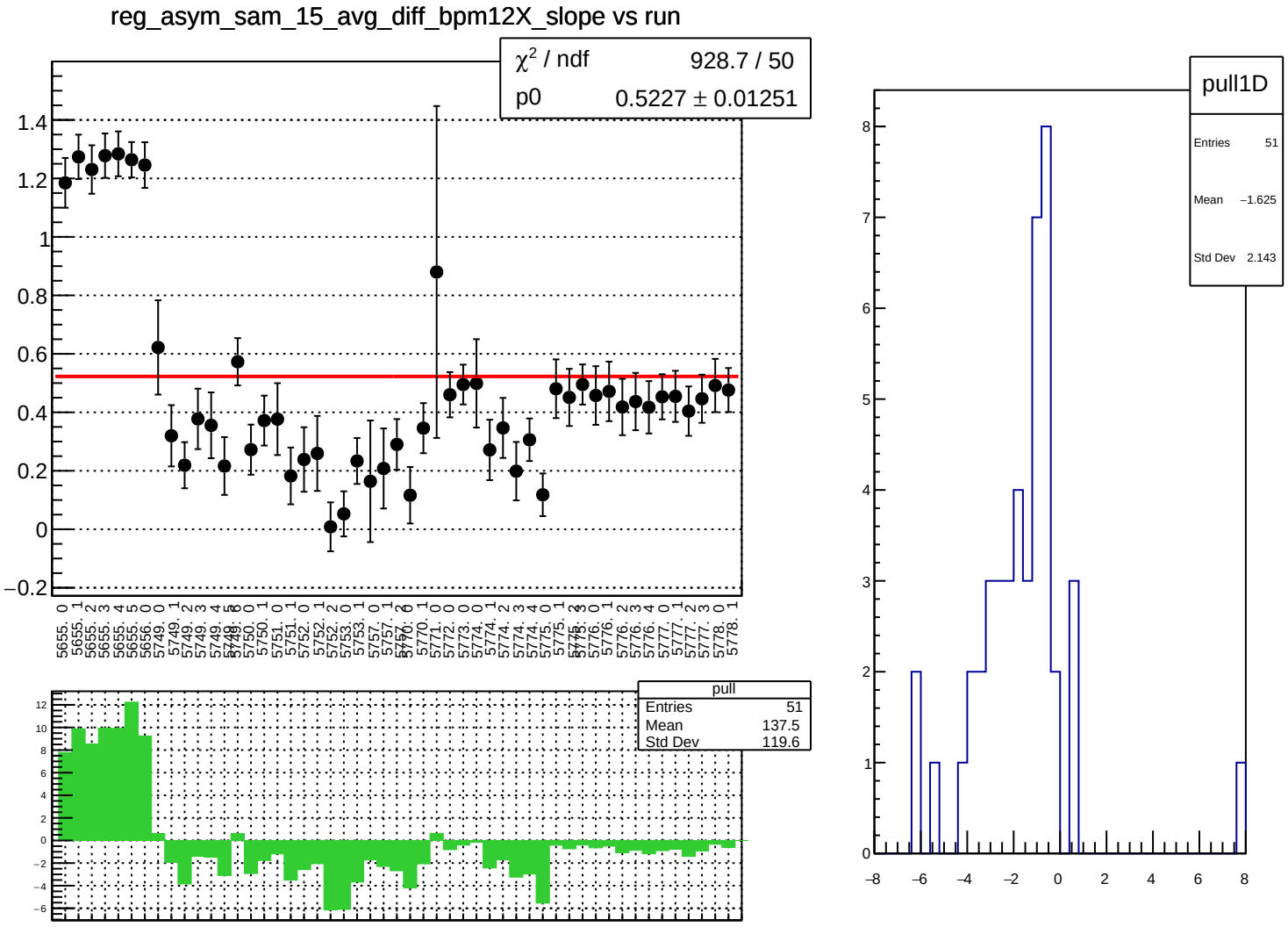

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 84.36 / 50
p0 −2.059 ± 0.2126
pull
Entries 51
Mean −23.56
Std Dev 45.13
pull1D
Entries 51
Mean −0.2042
Std Dev 1.27

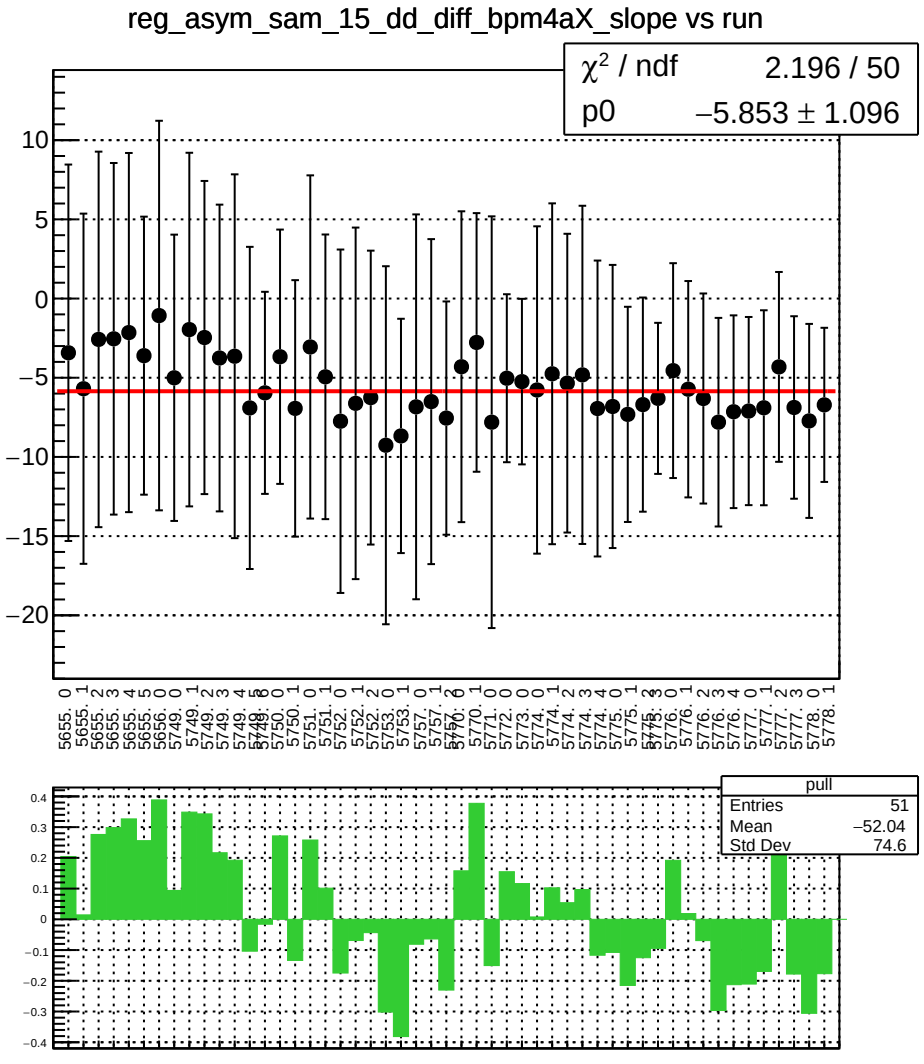

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 1928 / 50
p0 −7.501 ± 0.2316
pull
Entries 51
Mean 75.71
Std Dev 44.91

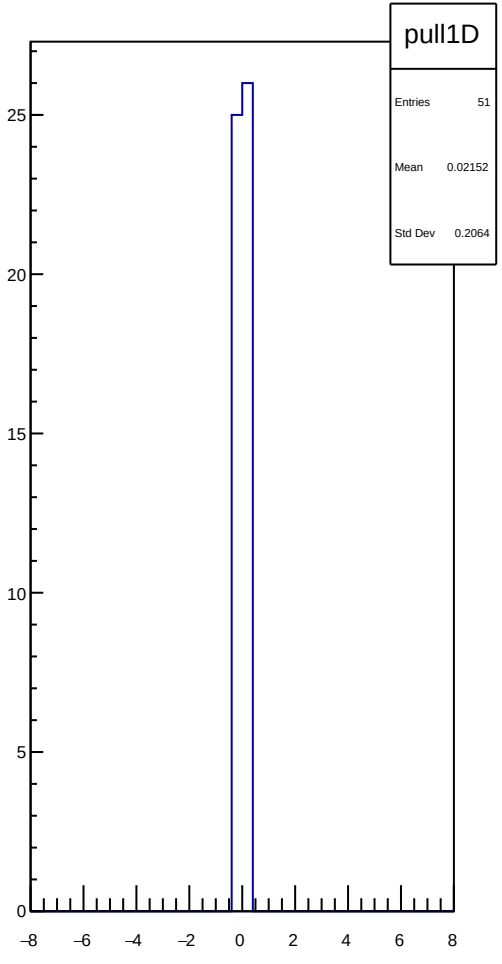

pull1D
Entries 51
Mean −1.366
Std Dev 4.18

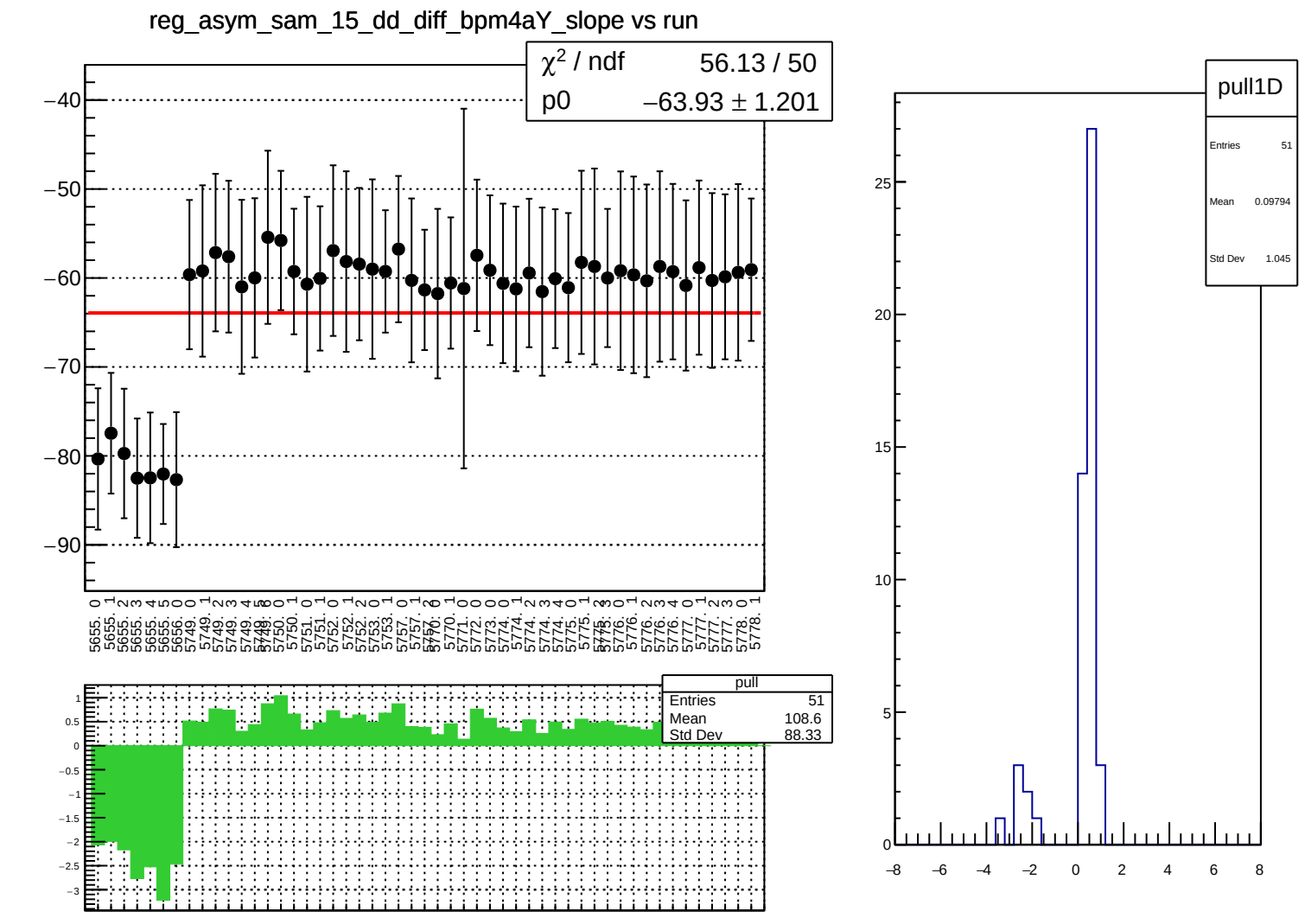

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.89 / 50
p0 −0.3911± 0.2764
pull
Entries 51
Mean −40.87
Std Dev 63.31
pull1D
Entries 51
Mean 0.155
Std Dev 1.25

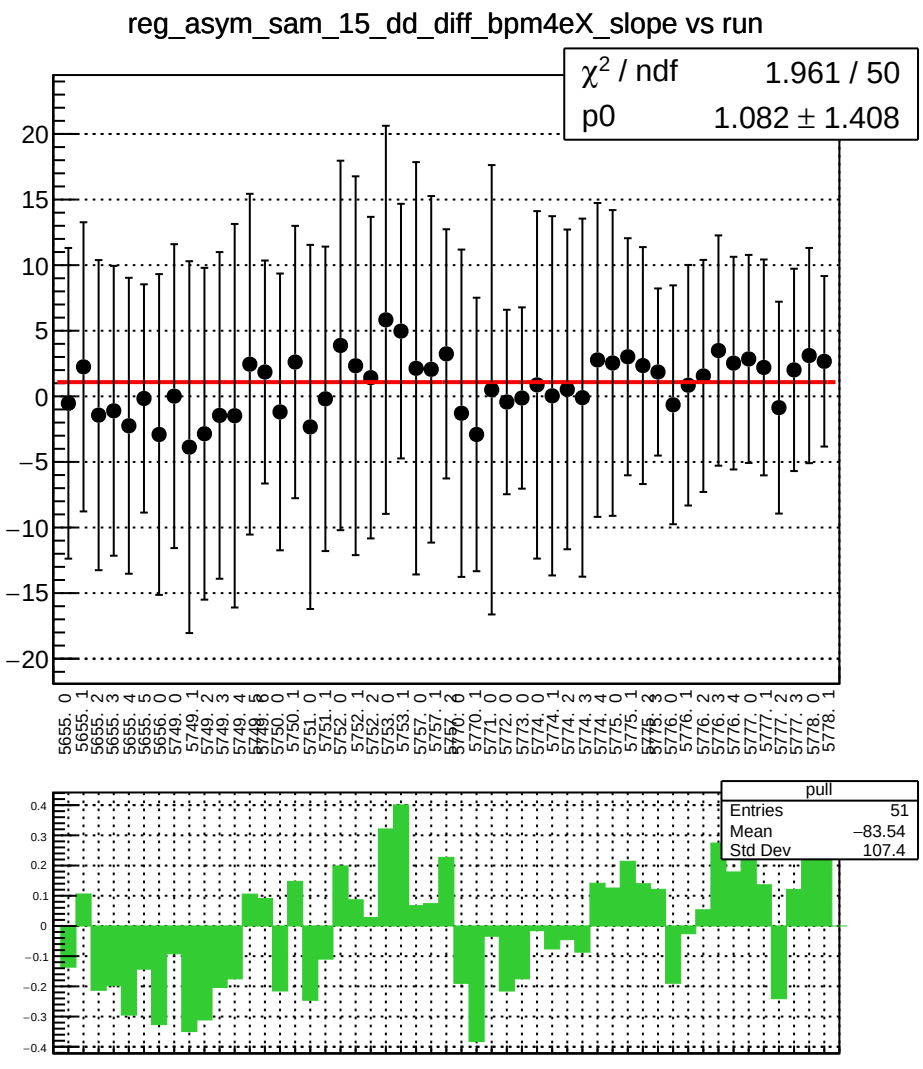

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 1496 / 50
p0 −3.429 ± 0.243
pull
Entries 51
Mean −1659
Std Dev 1686
pull1D
Entries 51
Mean 0.6895
Std Dev 4.688

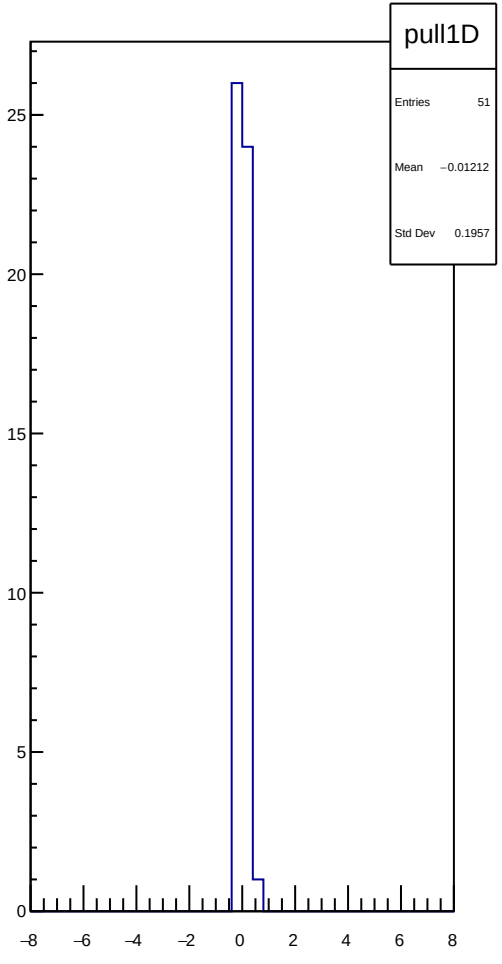

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 928.7 / 50
p0 0.5227 ± 0.01251
pull
Entries 51
Mean 137.5
Std Dev 119.6
pull1D
Entries 51
Mean −1.625
Std Dev 2.143

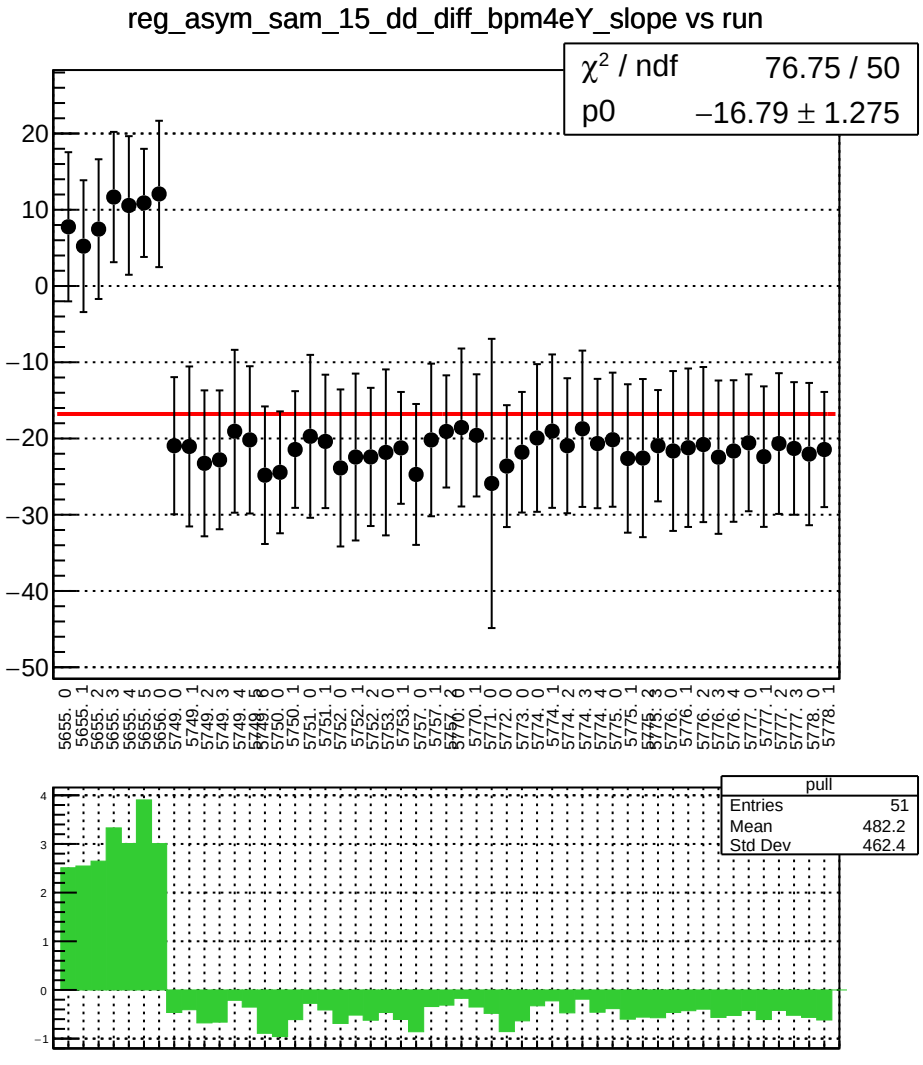

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.196 / 50
p0 −5.853 ± 1.096
pull
Entries 51
Mean −52.04
Std Dev 74.6

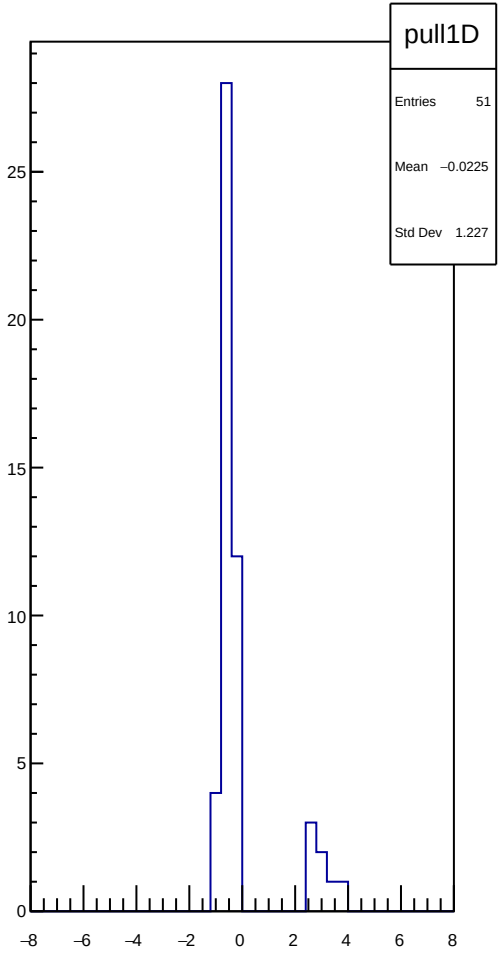

pull1D
Entries 51
Mean 0.02152
Std Dev 0.2064

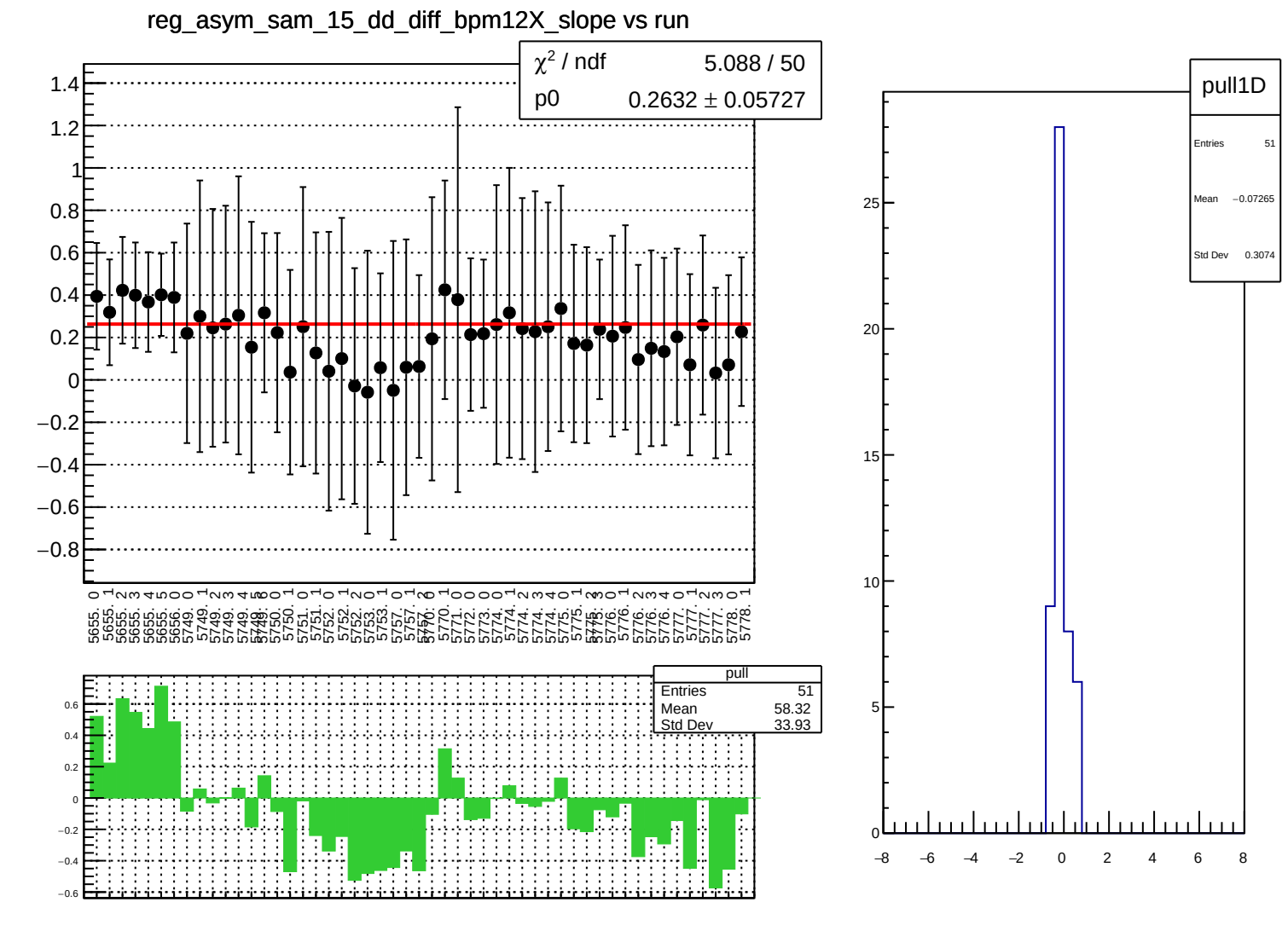

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.13 / 50
p0 −63.93 ± 1.201
pull
Entries 51
Mean 108.6
Std Dev 88.33
pull1D
Entries 51
Mean 0.09794
Std Dev 1.045

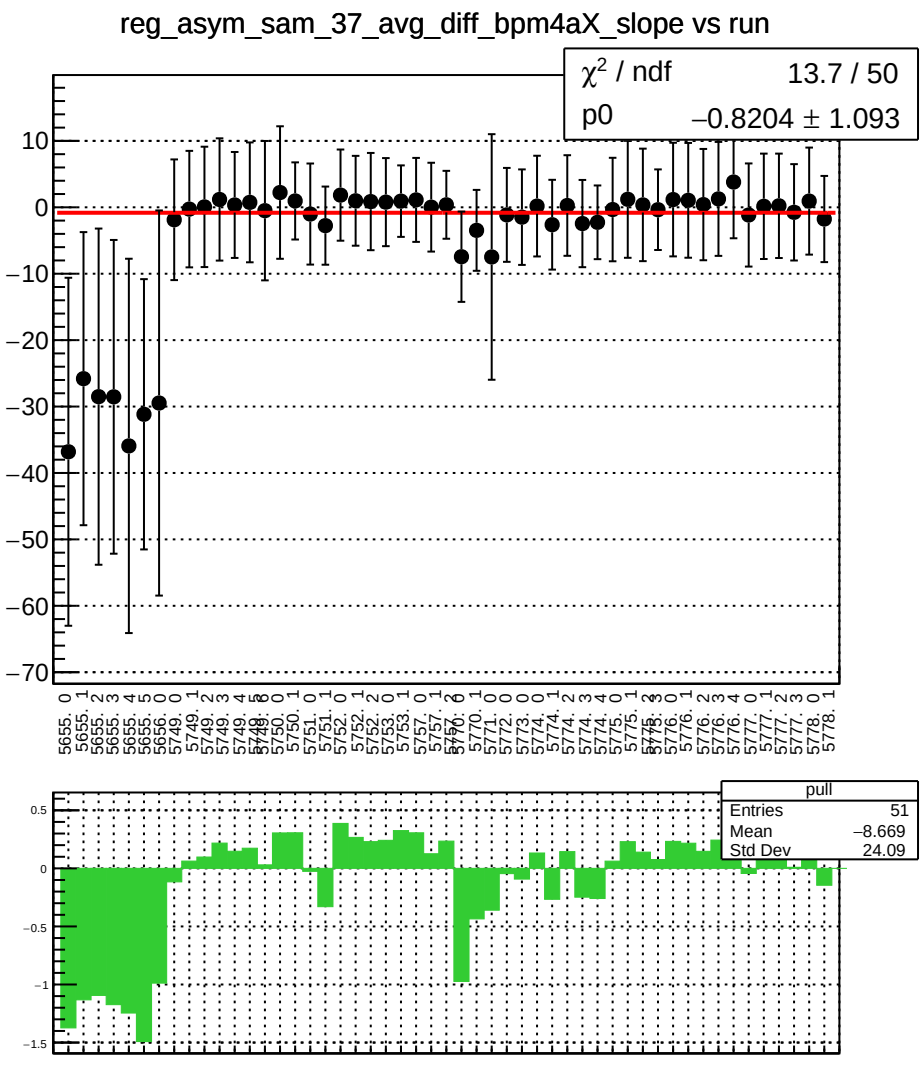

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.961 / 50
p0 1.082 ± 1.408
pull
Entries 51
Mean −83.54
Std Dev 107.4

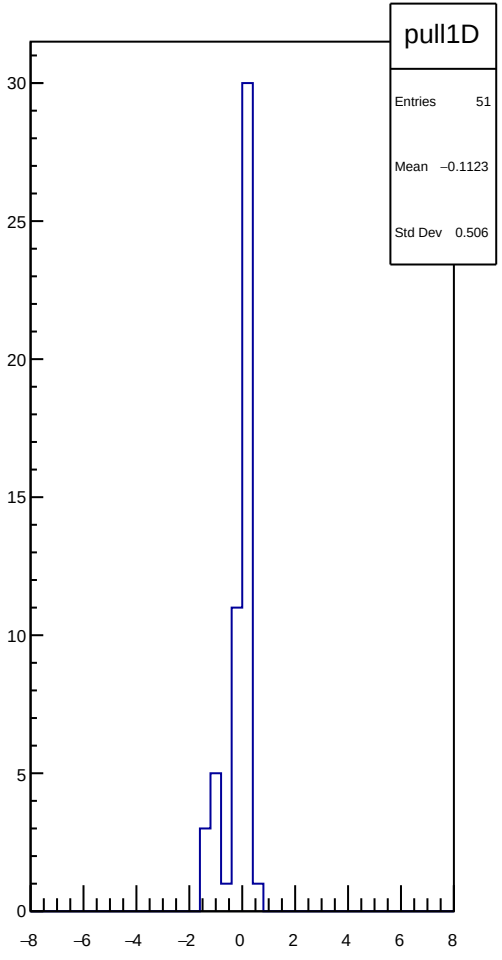

pull1D
Entries 51
Mean −0.01212
Std Dev 0.1957

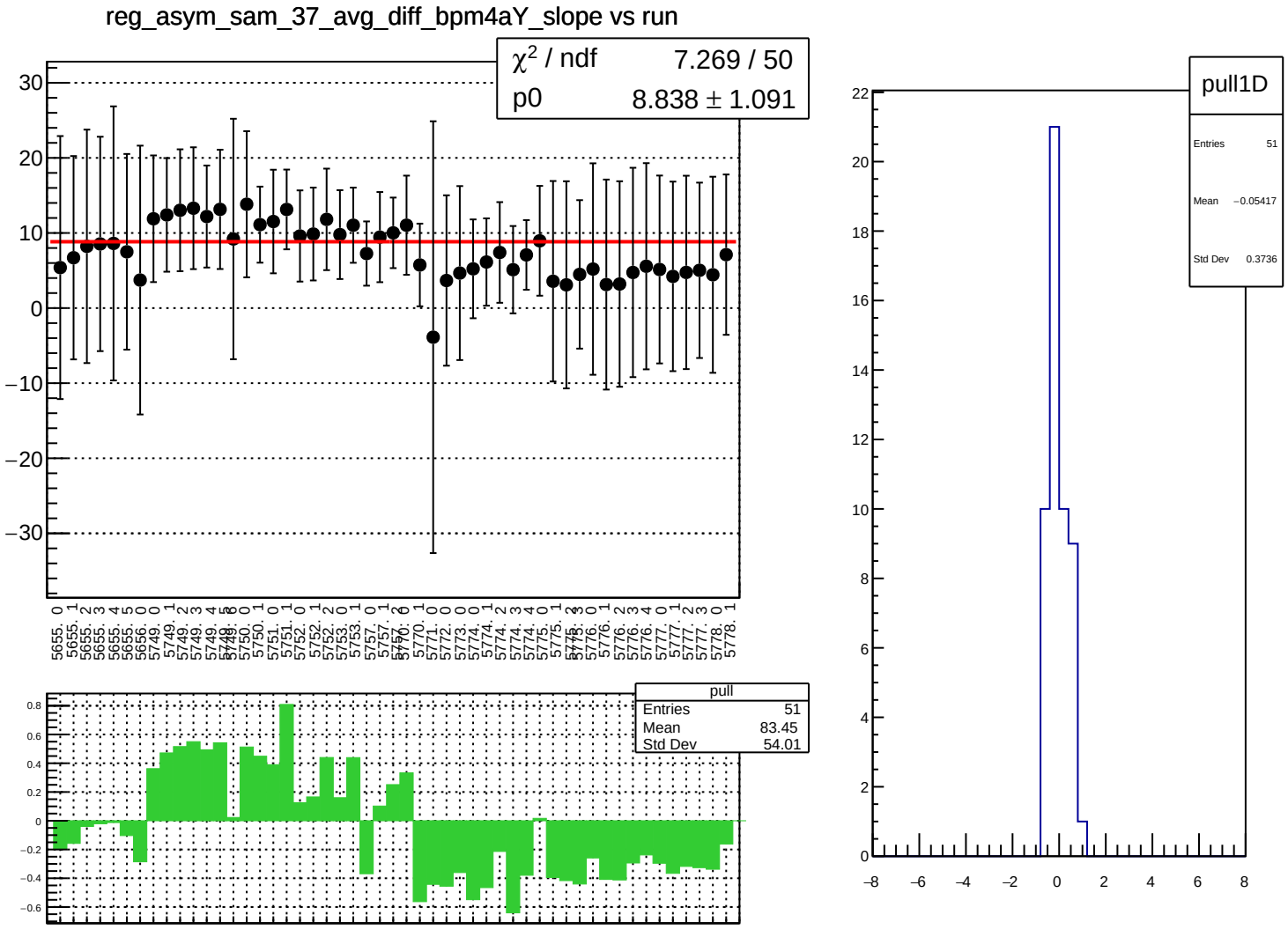

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.75 / 50
p0 −16.79 ± 1.275
pull
Entries 51
Mean 482.2
Std Dev 462.4

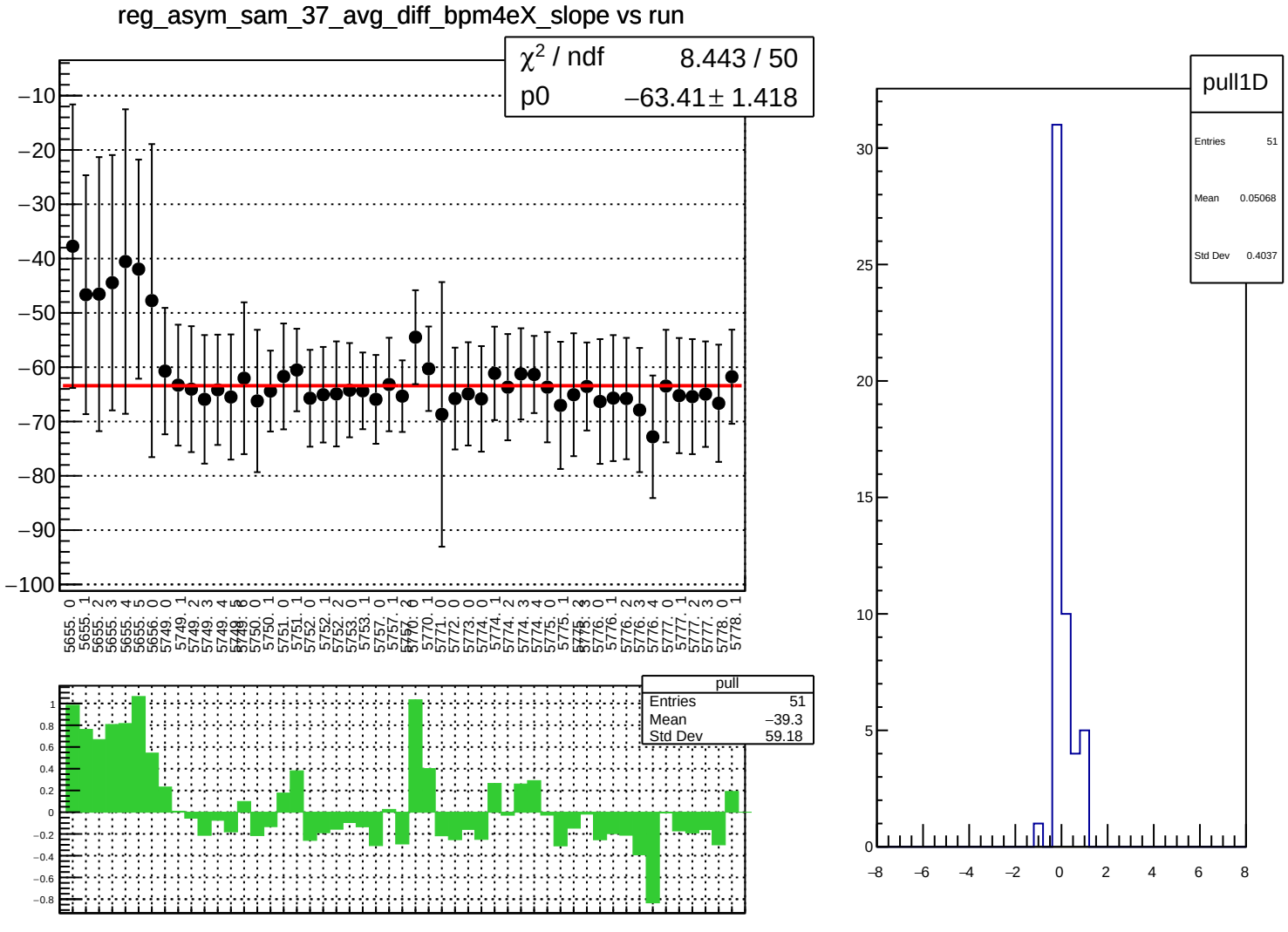

pull1D
Entries 51
Mean −0.0225
Std Dev 1.227

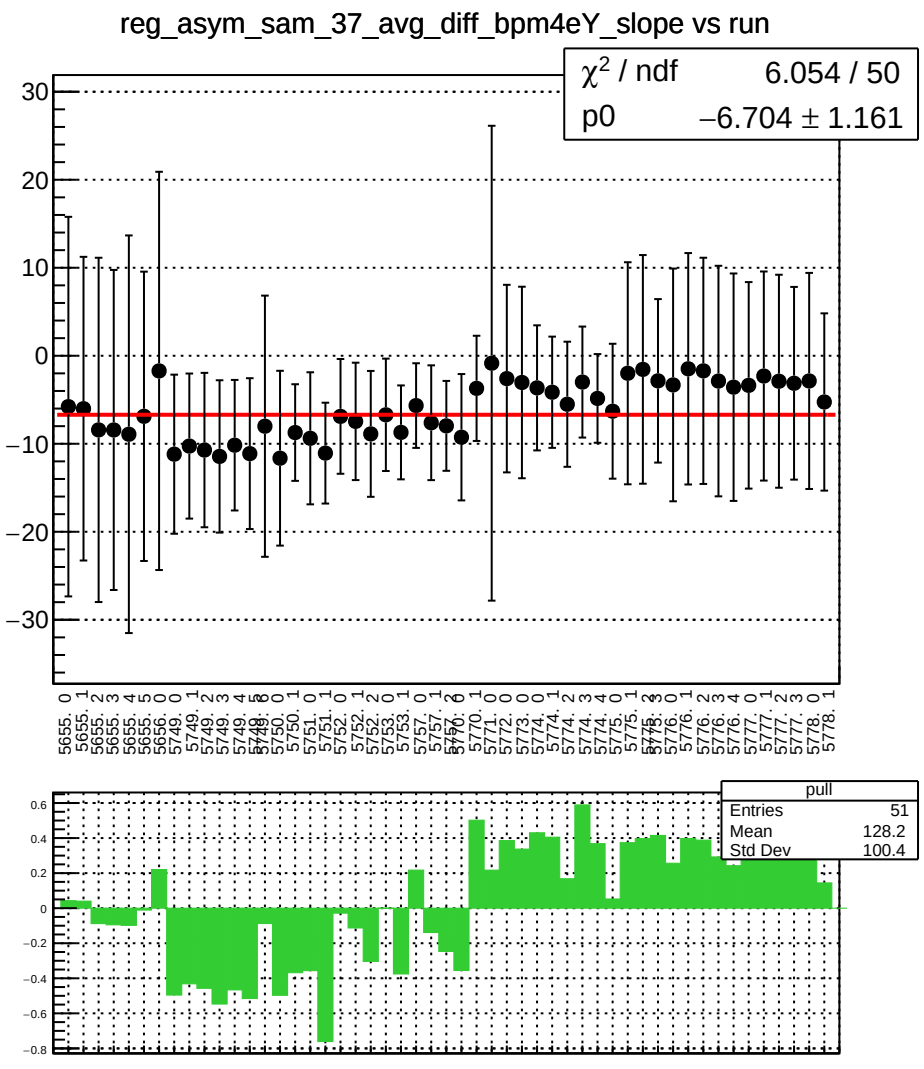

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.088 / 50
p0 0.2632 ± 0.05727
pull
Entries 51
Mean 58.32
Std Dev 33.93
pull1D
Entries 51
Mean −0.07265
Std Dev 0.3074

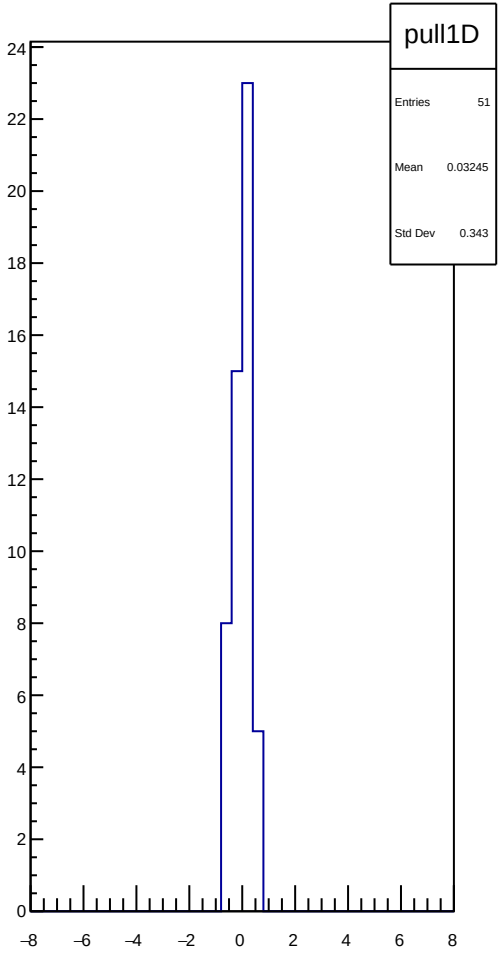

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.7 / 50
p0 −0.8204 ± 1.093
pull
Entries 51
Mean −8.669
Std Dev 24.09

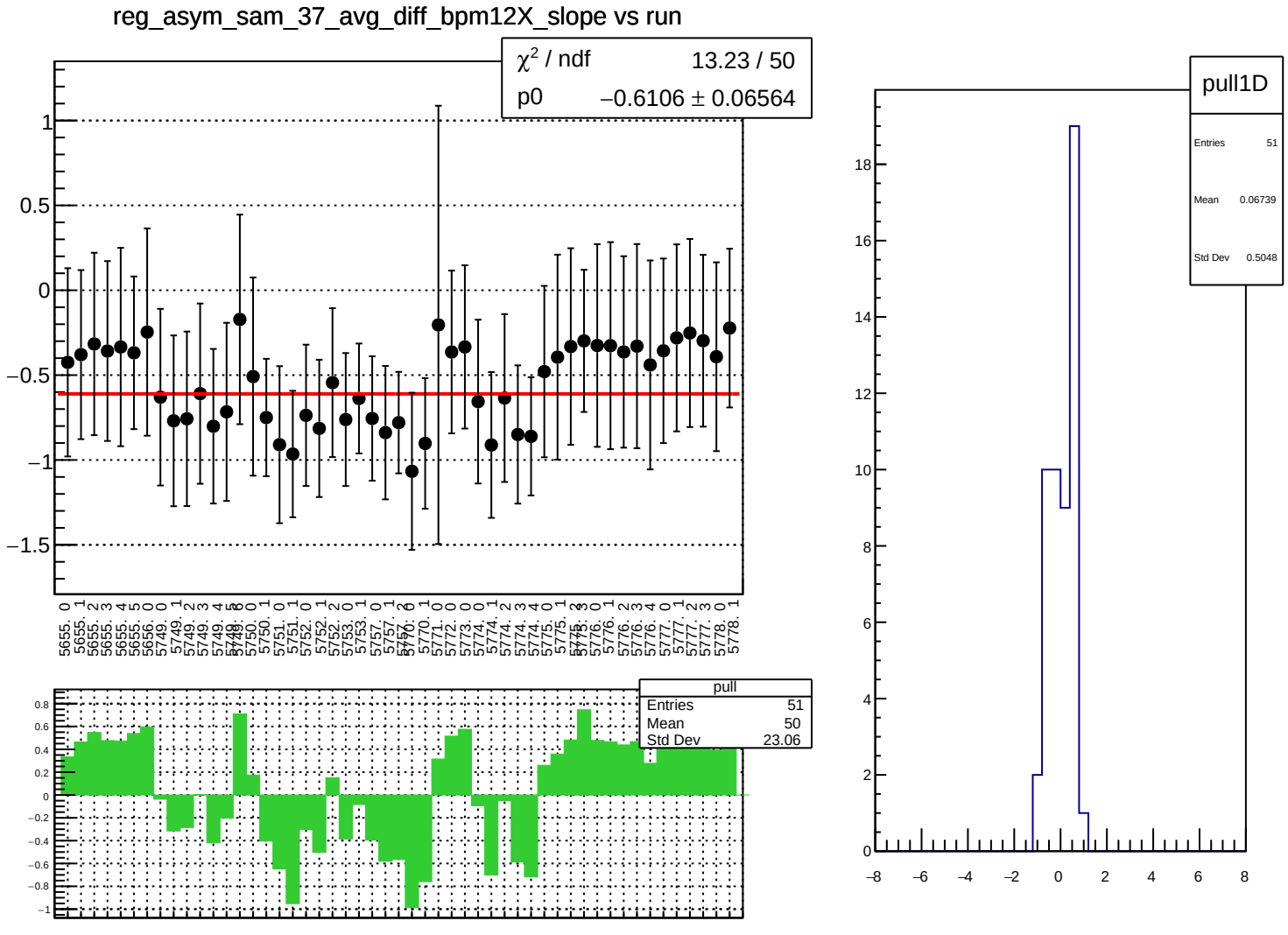

pull1D
Entries 51
Mean −0.1123
Std Dev 0.506

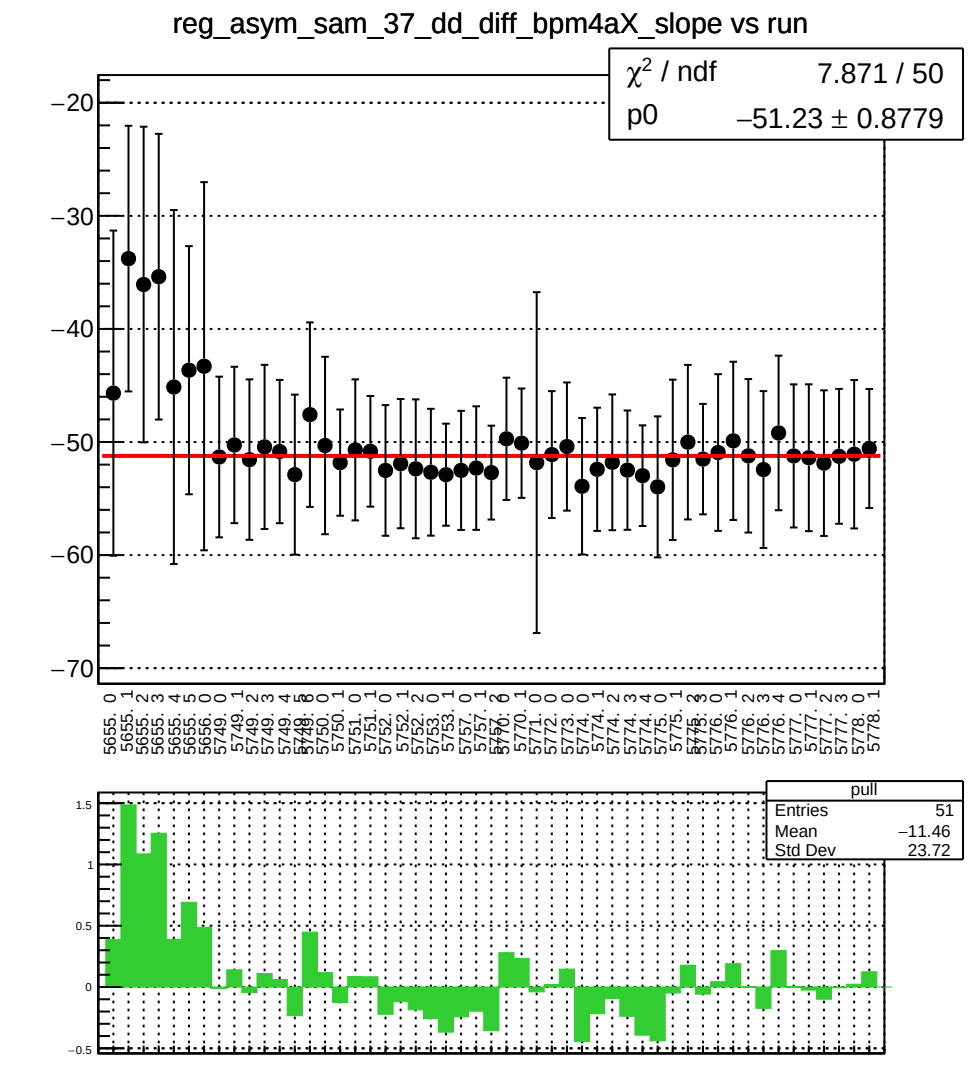

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.269 / 50
p0 8.838 ± 1.091
pull
Entries 51
Mean 83.45
Std Dev 54.01
pull1D
Entries 51
Mean −0.05417
Std Dev 0.3736

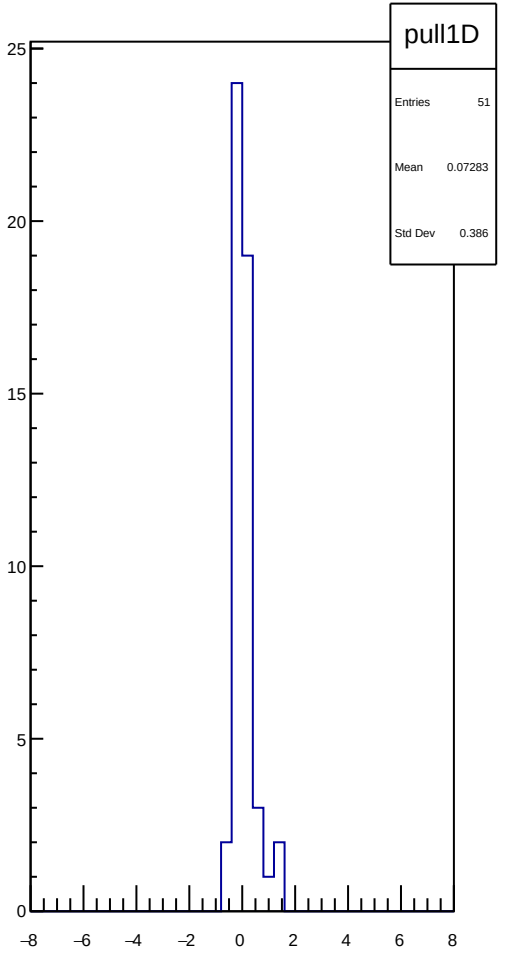

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.443 / 50
p0 −63.41 ± 1.418
pull
Entries 51
Mean −39.3
Std Dev 59.18
pull1D
Entries 51
Mean 0.05068
Std Dev 0.4037

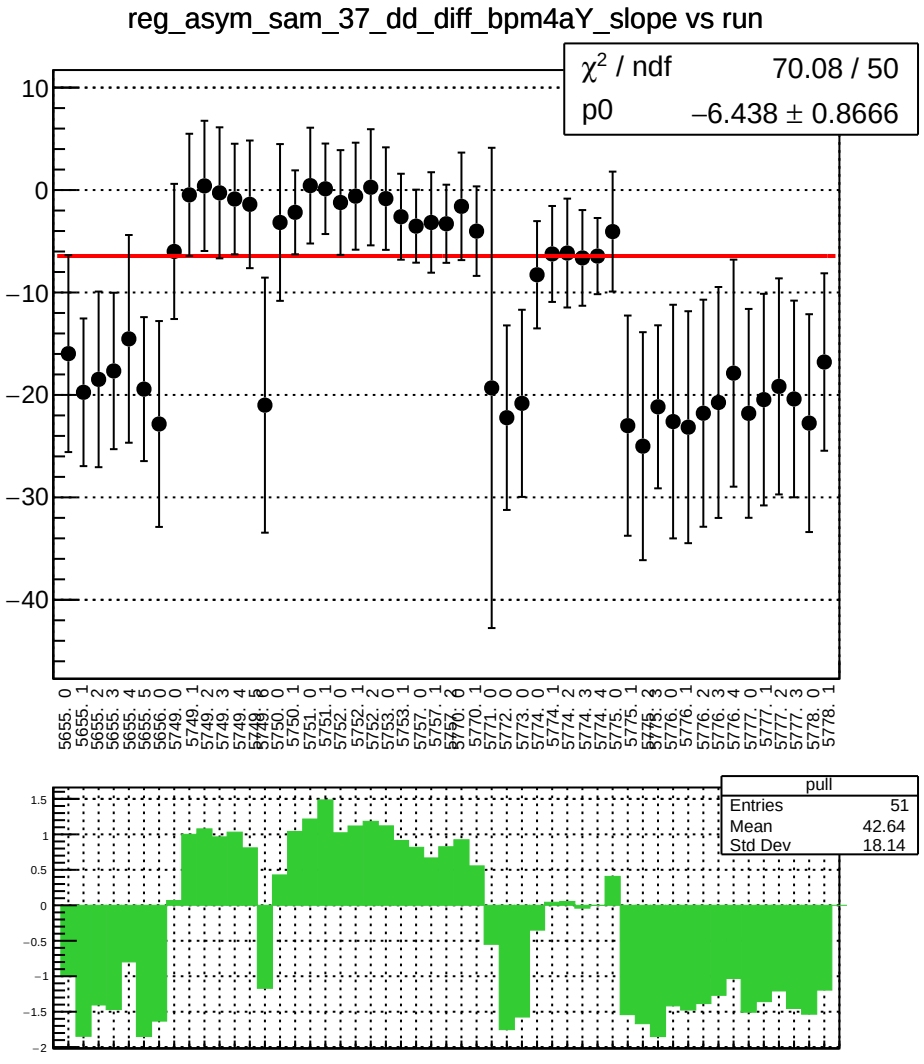

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.054 / 50
p0 −6.704 ± 1.161
pull
Entries 51
Mean 128.2
Std Dev 100.4

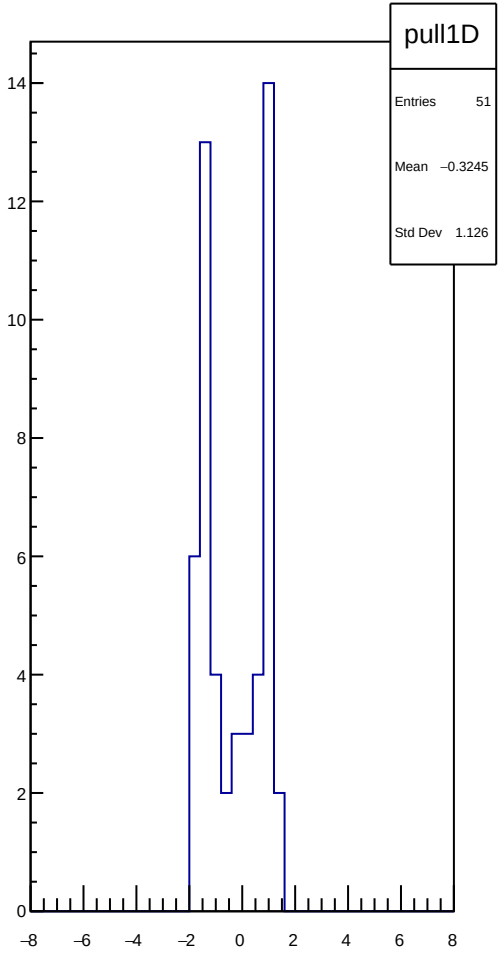

pull1D
Entries 51
Mean 0.03245
Std Dev 0.343

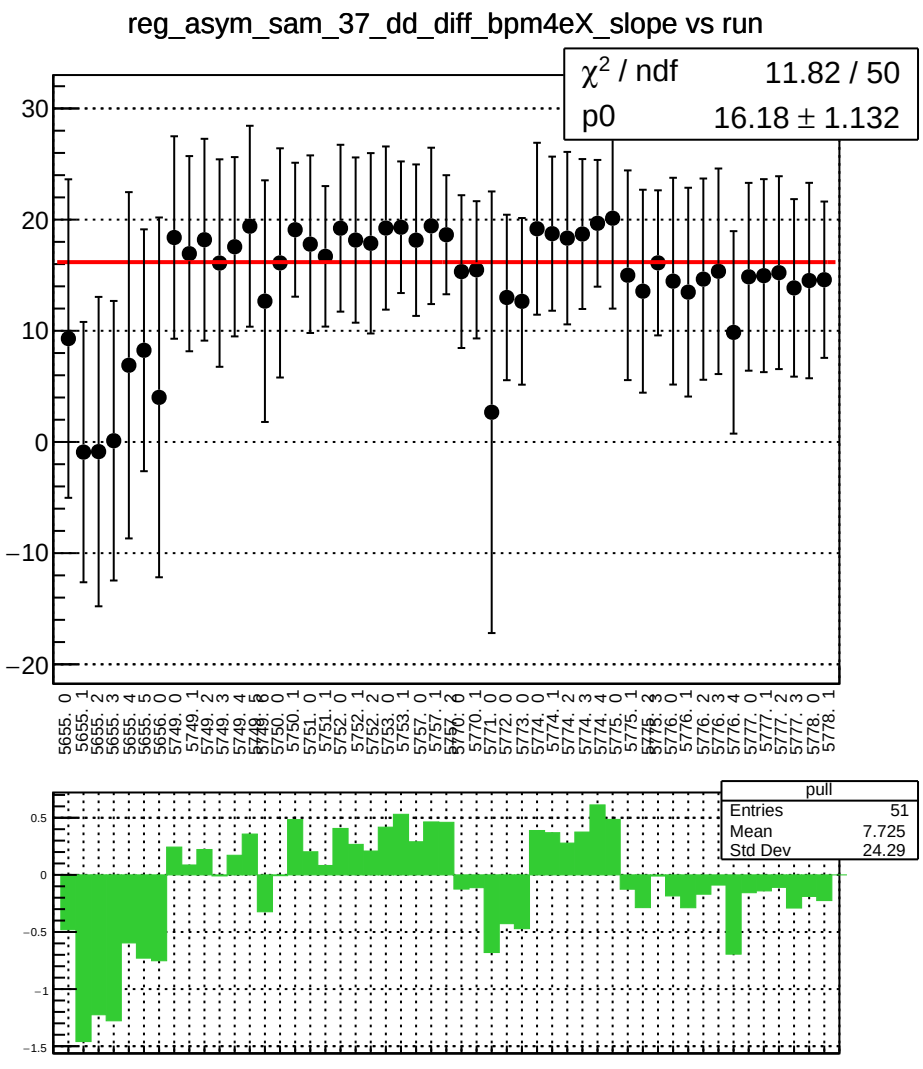

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 13.23 / 50
p0 −0.6106 ± 0.06564
pull
Entries 51
Mean 50
Std Dev 23.06
pull1D
Entries 51
Mean 0.06739
Std Dev 0.5048

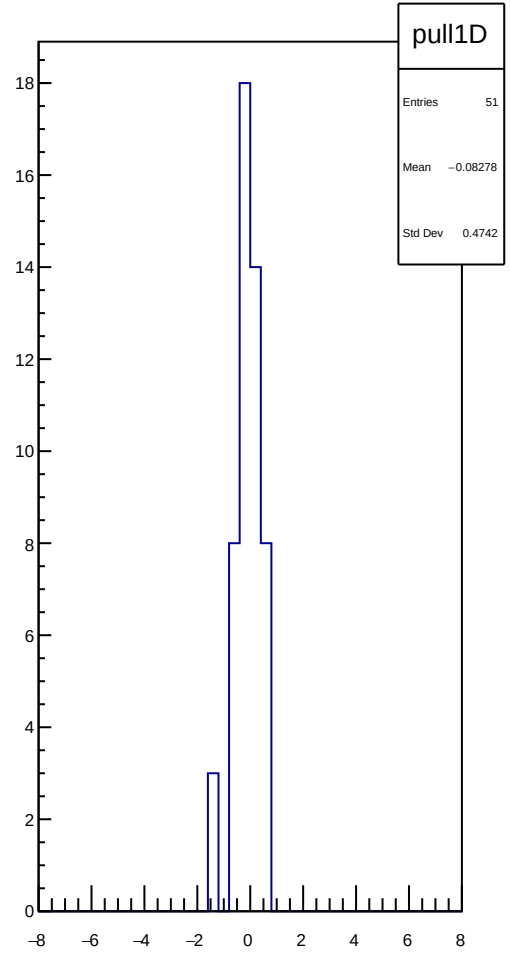

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.871 / 50
p0 −51.23 ± 0.8779
pull
Entries 51
Mean −11.46
Std Dev 23.72

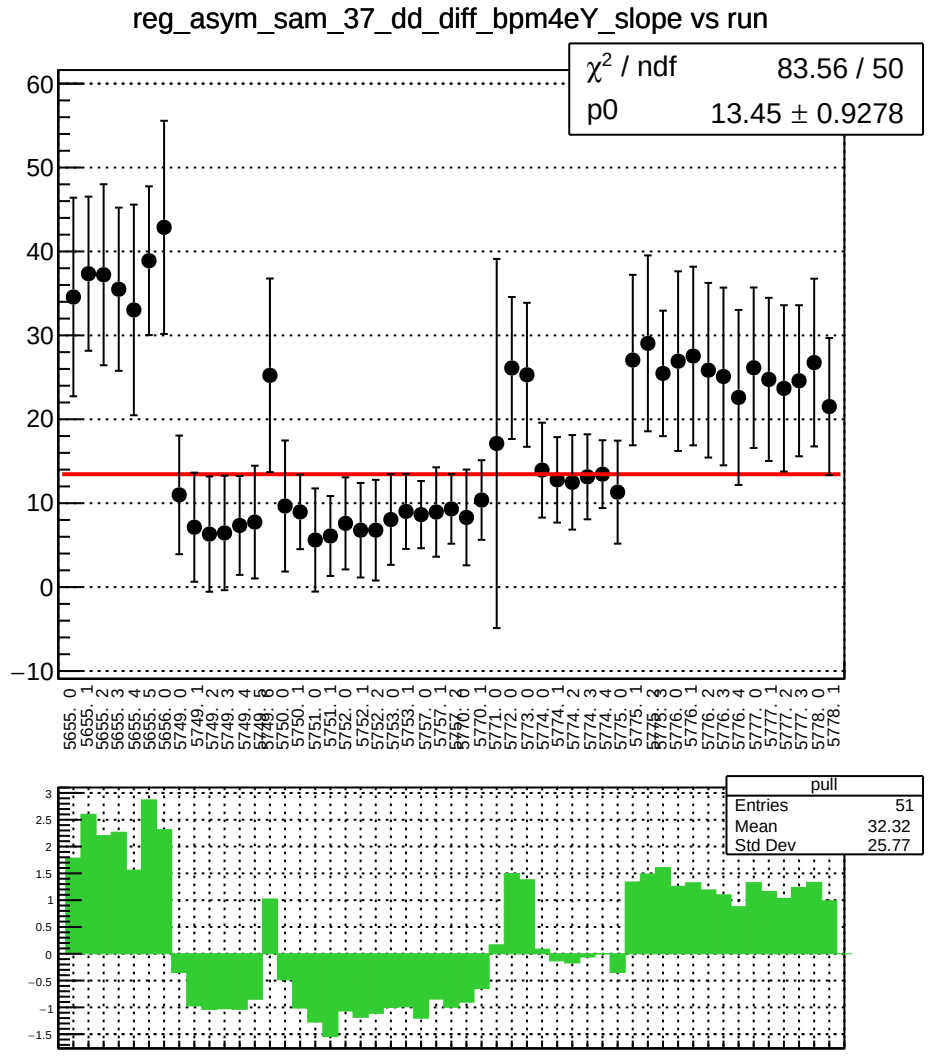

pull1D
Entries 51
Mean 0.07283
Std Dev 0.386

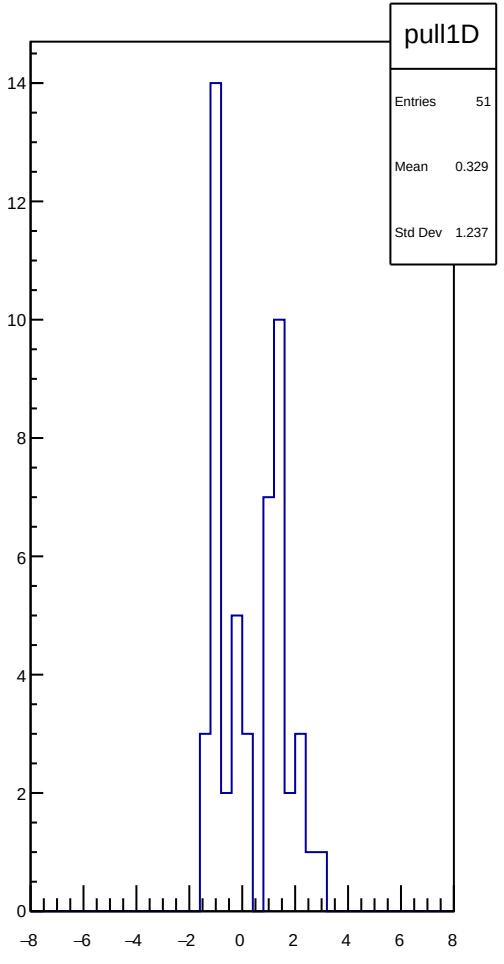

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.08 / 50
p0 −6.438 ± 0.8666
pull
Entries 51
Mean 42.64
Std Dev 18.14

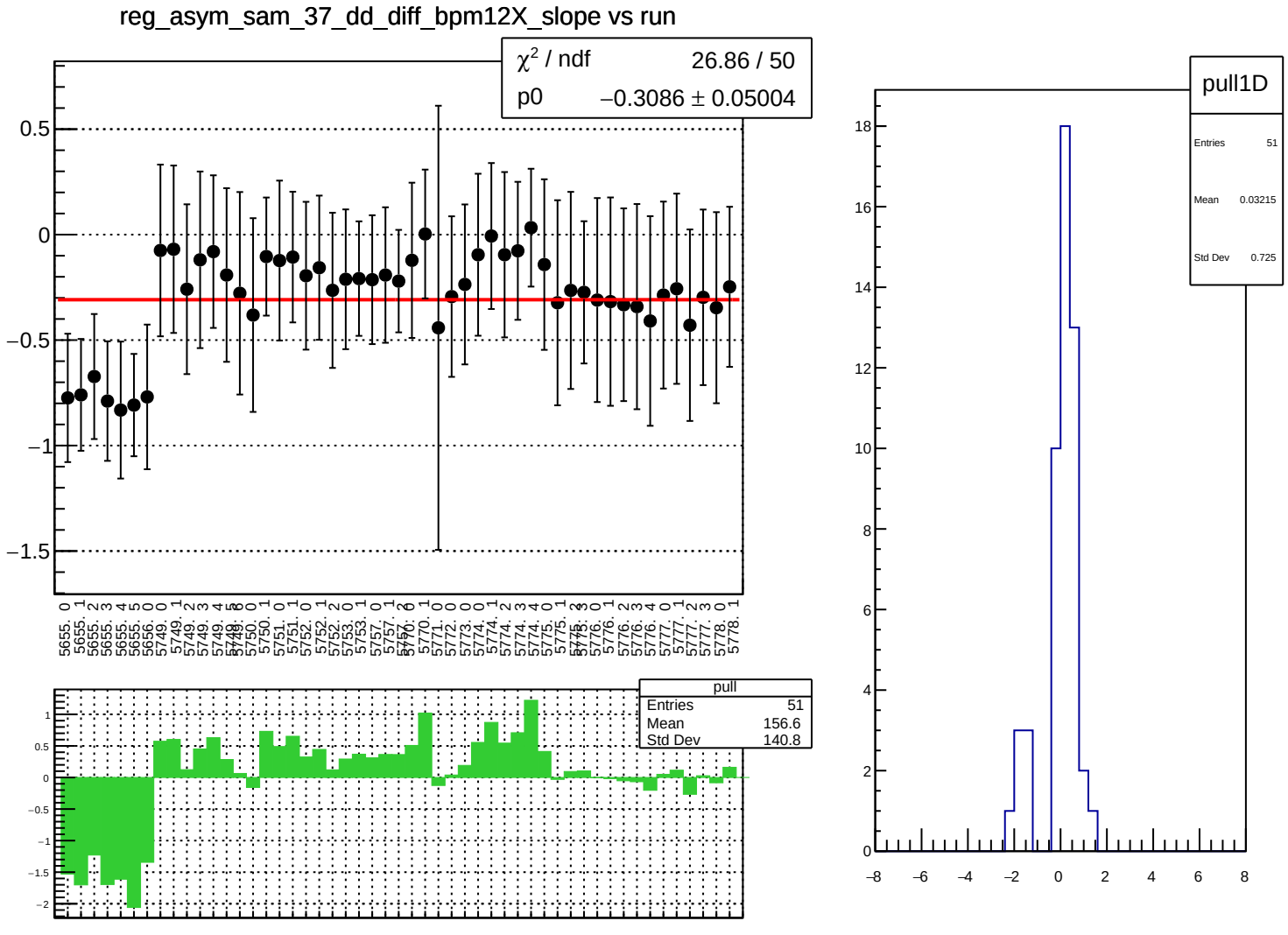

pull1D
Entries 51
Mean −0.3245
Std Dev 1.126

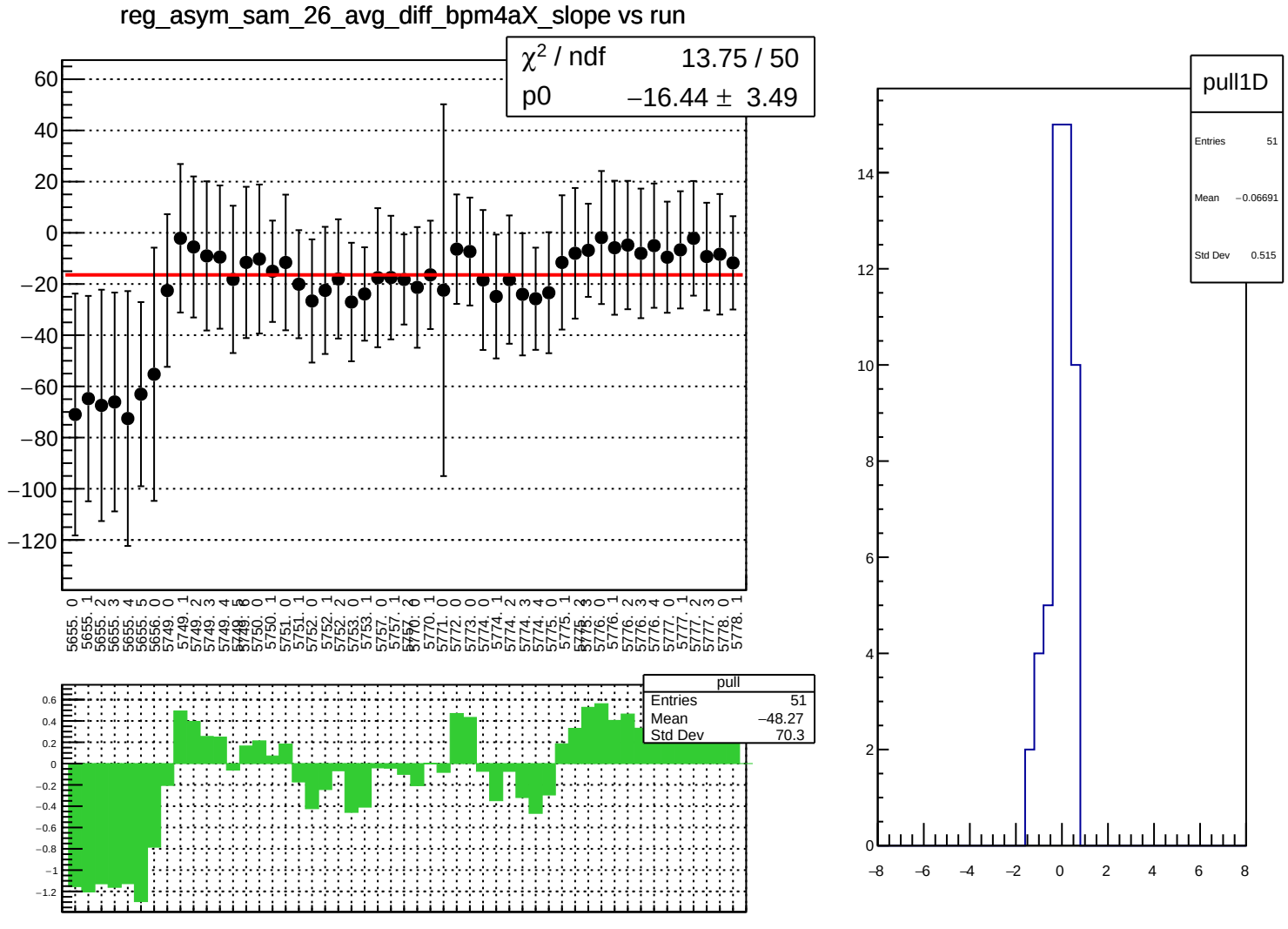

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.82 / 50
p0 16.18 ± 1.132
pull
Entries 51
Mean 7.725
Std Dev 24.29

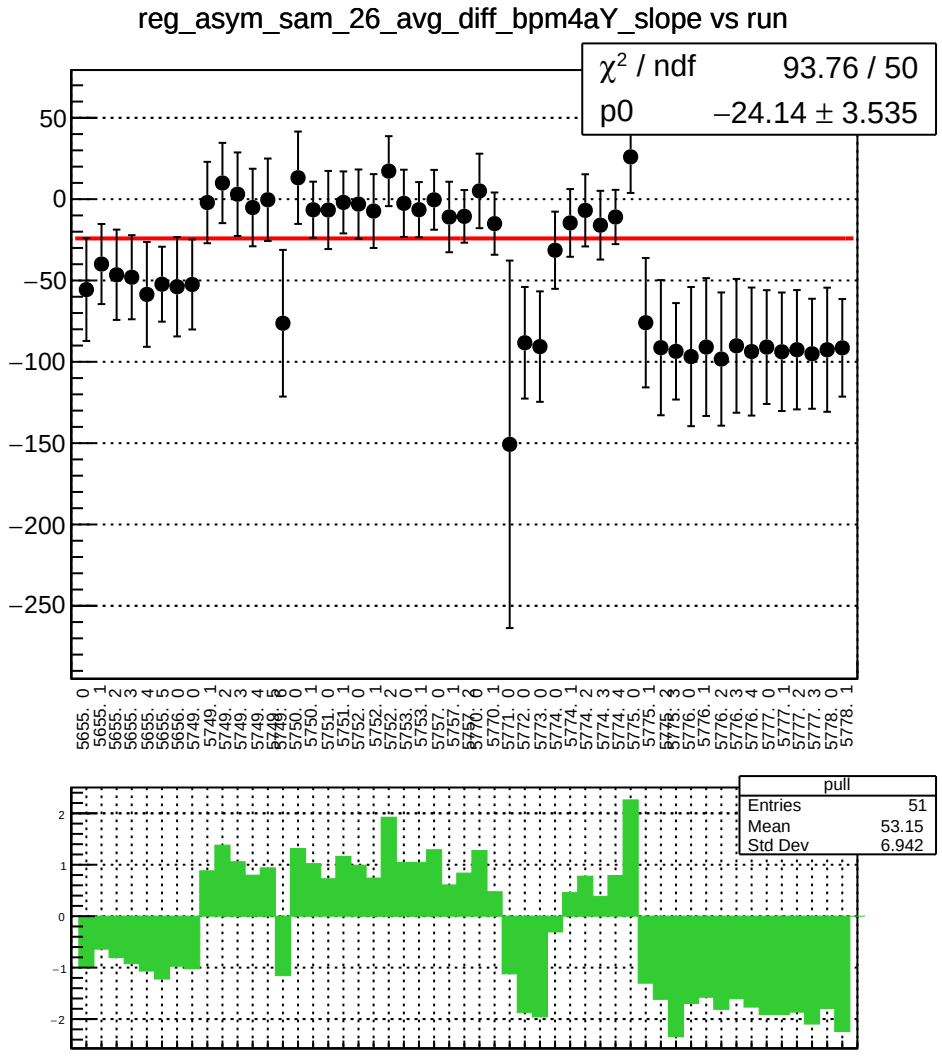

pull1D
Entries 51
Mean −0.08278
Std Dev 0.4742

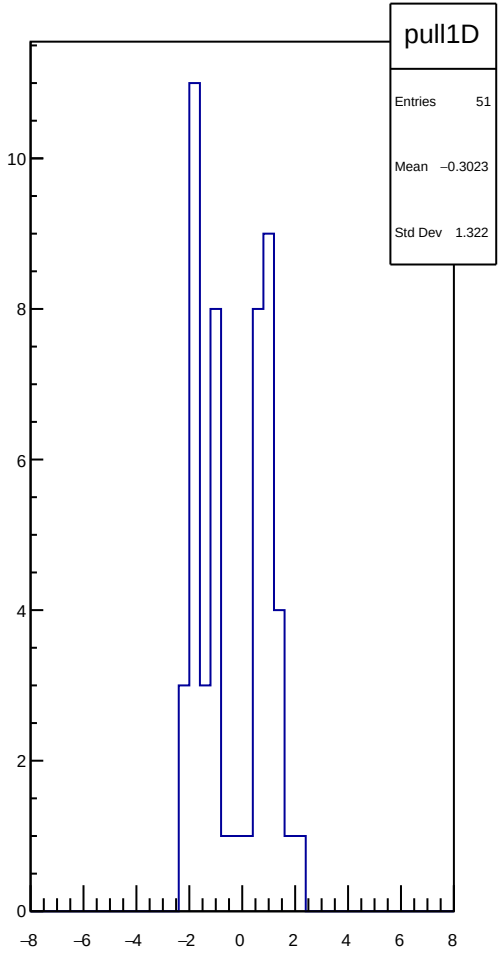

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.56 / 50
p0 13.45 ± 0.9278
pull
Entries 51
Mean 32.32
Std Dev 25.77

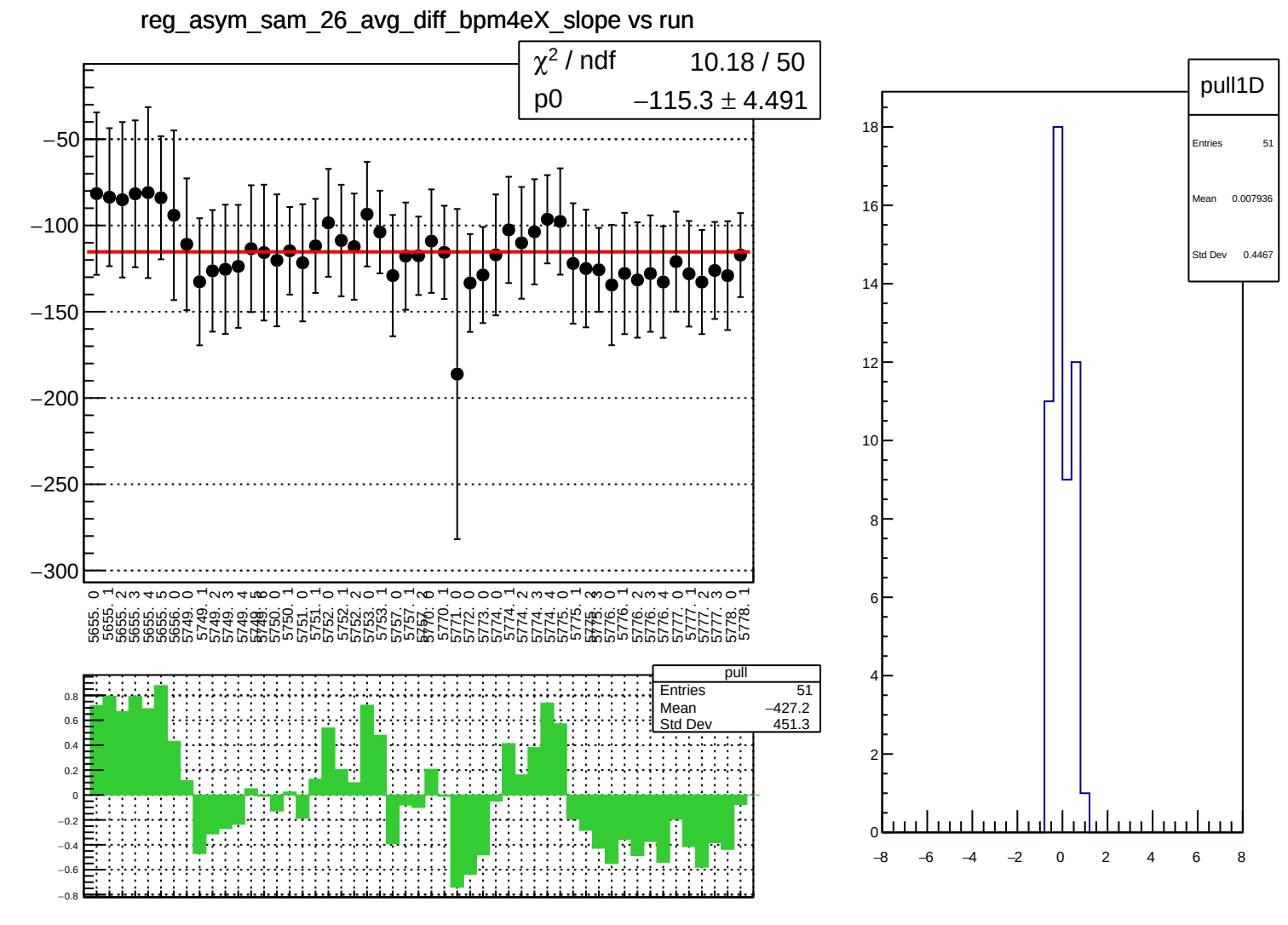

pull1D
Entries 51
Mean 0.329
Std Dev 1.237

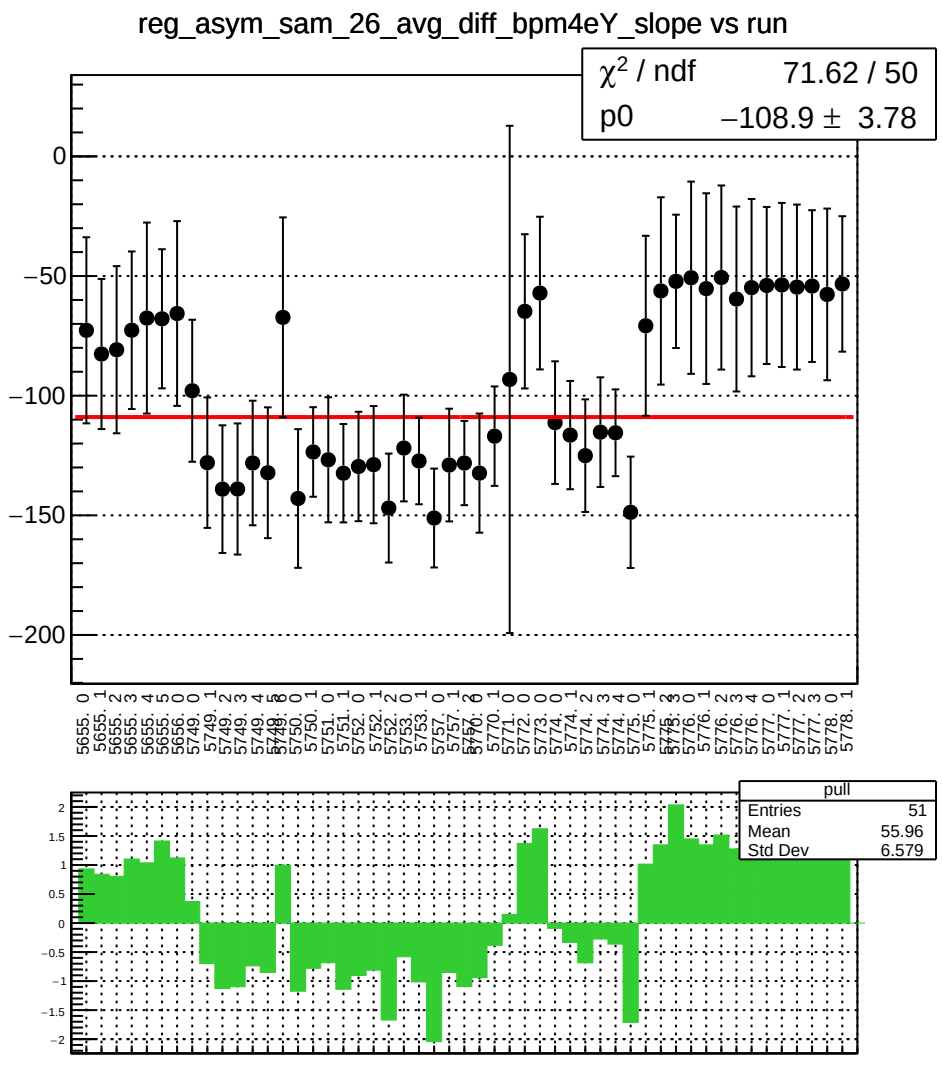

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 26.86 / 50
p0 −0.3086 ± 0.05004
pull
Entries 51
Mean 156.6
Std Dev 140.8
pull1D
Entries 51
Mean 0.03215
Std Dev 0.725

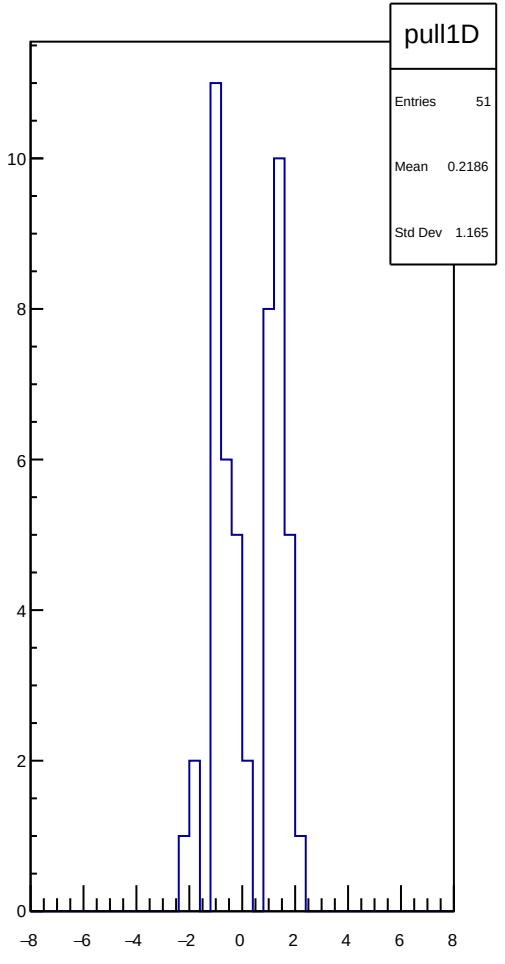

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.75 / 50
p0 −16.44 ± 3.49
pull
Entries 51
Mean −48.27
Std Dev 70.3
pull1D
Entries 51
Mean −0.06691
Std Dev 0.515

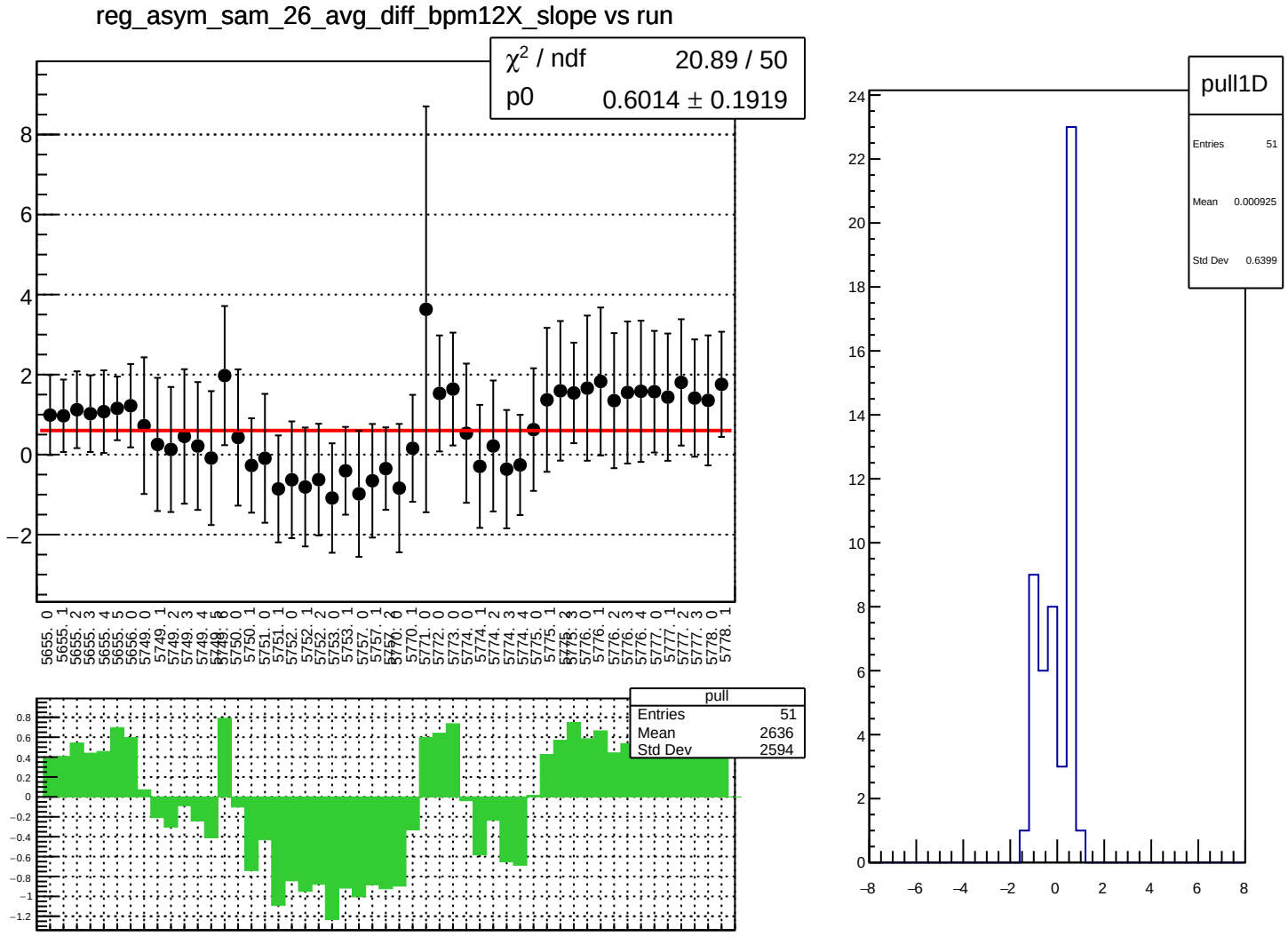

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 93.76 / 50
p0 −24.14 ± 3.535
pull
Entries 51
Mean 53.15
Std Dev 6.942

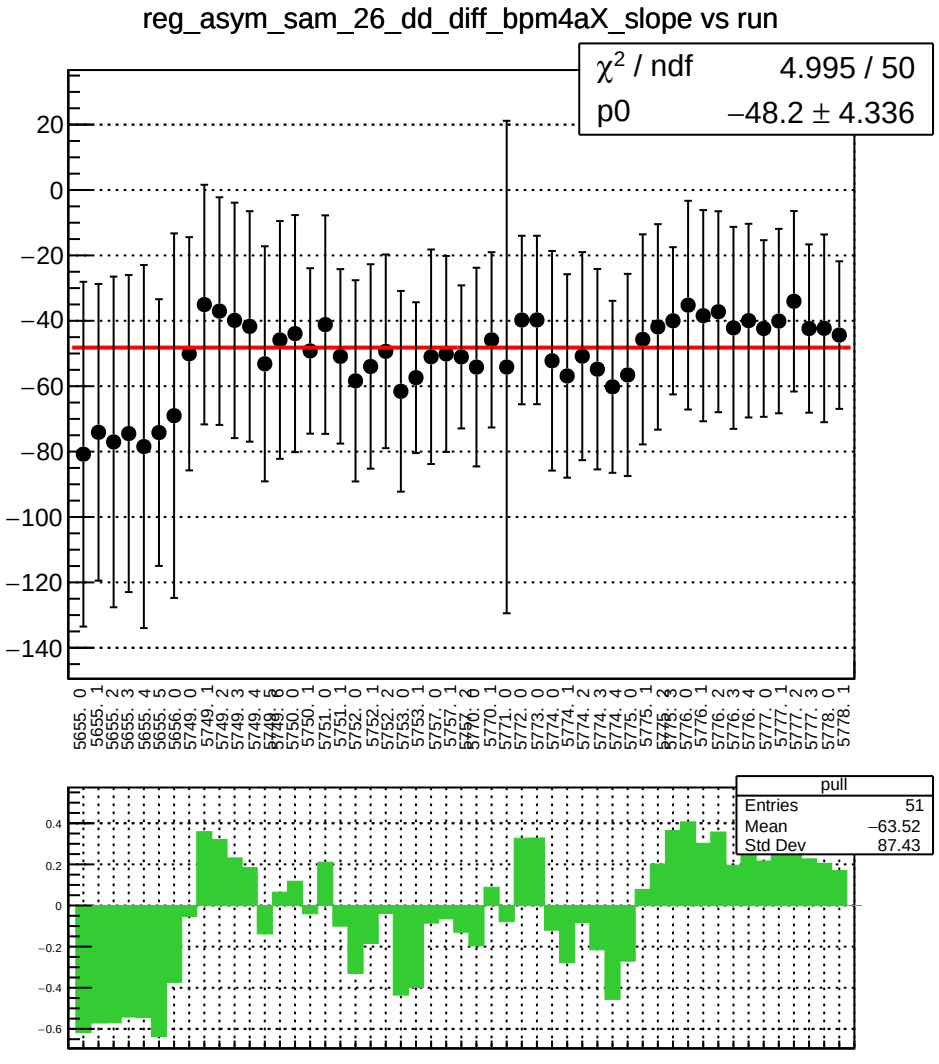

pull1D
Entries 51
Mean −0.3023
Std Dev 1.322

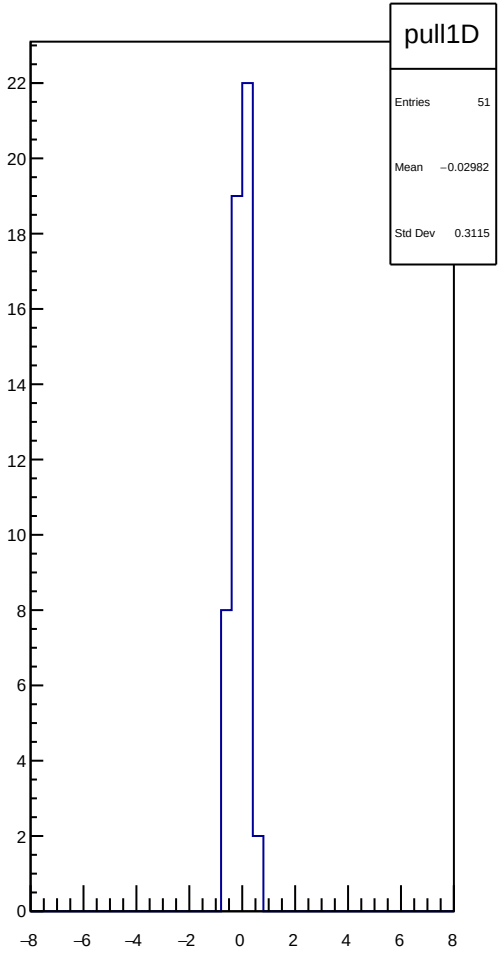

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 50
p0 −115.3 ± 4.491
pull
Entries 51
Mean −427.2
Std Dev 451.3
pull1D
Entries 51
Mean 0.007936
Std Dev 0.4467

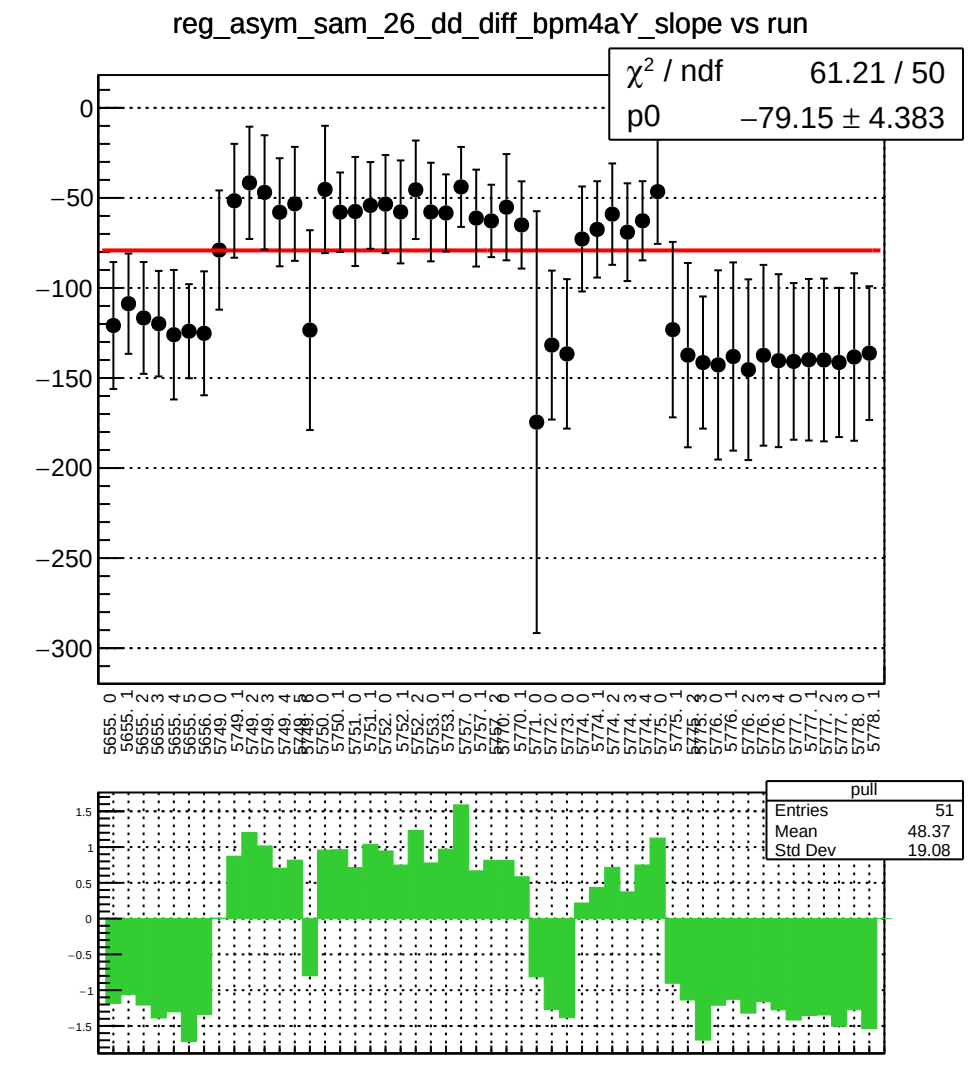

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 71.62 / 50
p0 −108.9 ± 3.78
pull
Entries 51
Mean 55.96
Std Dev 6.579

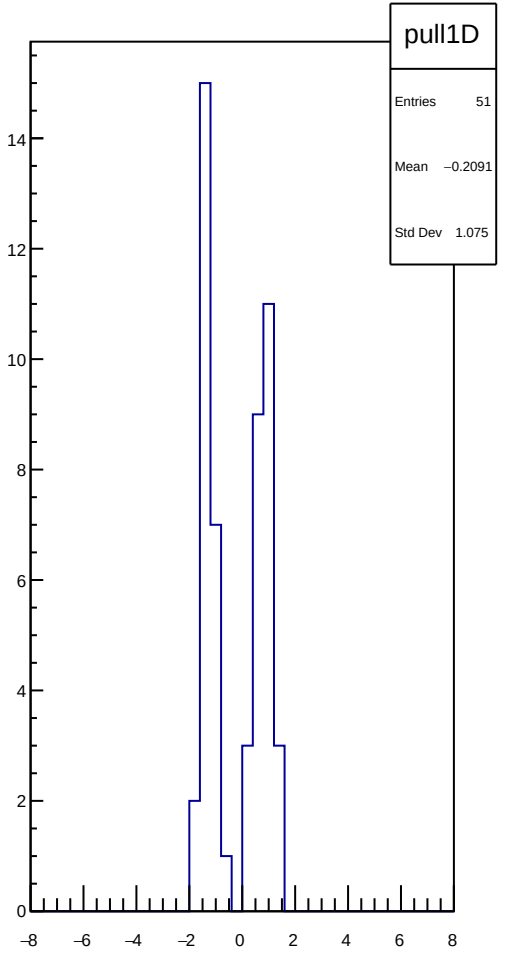

pull1D
Entries 51
Mean 0.2186
Std Dev 1.165

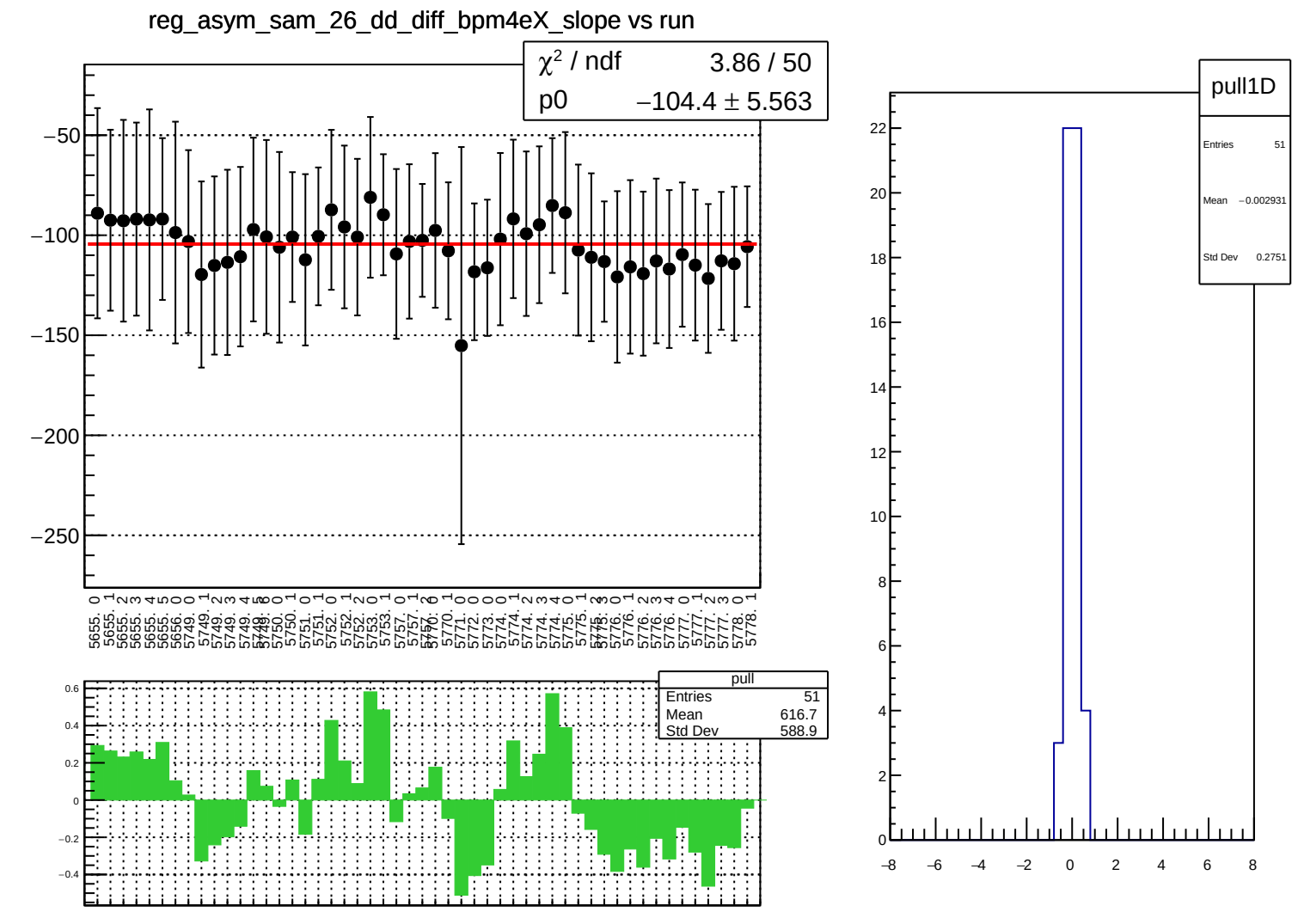

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.89 / 50
p0 0.6014 ± 0.1919
pull
Entries 51
Mean 2636
Std Dev 2594
pull1D
Entries 51
Mean 0.000925
Std Dev 0.6399

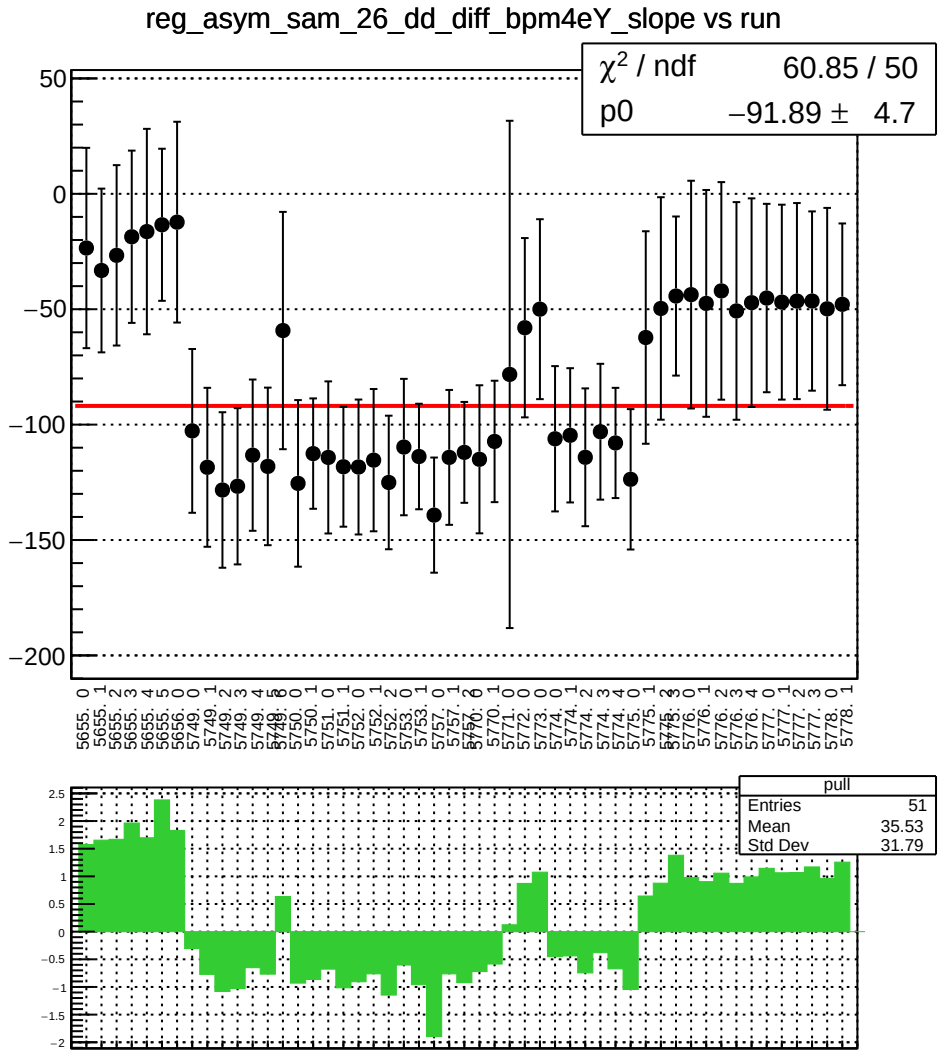

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.995 / 50
p0 −48.2 ± 4.336
pull
Entries 51
Mean −63.52
Std Dev 87.43

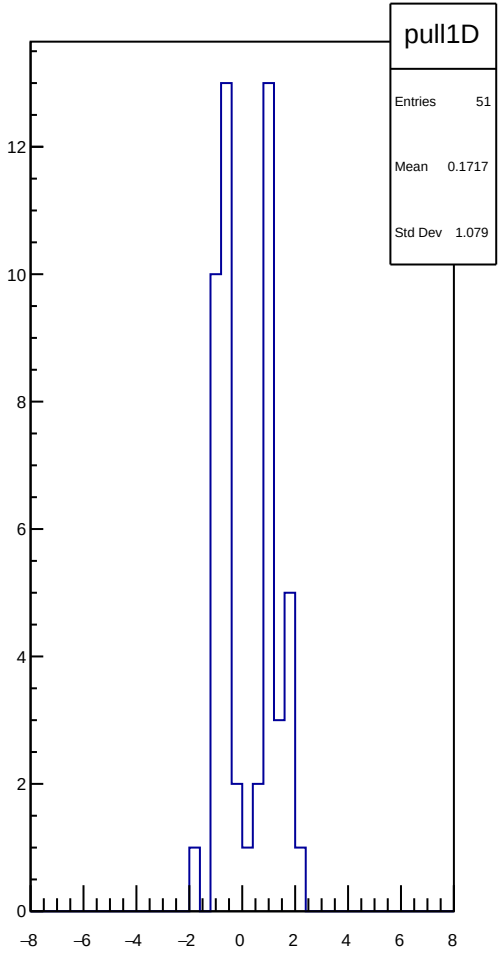

pull1D
Entries 51
Mean −0.02982
Std Dev 0.3115

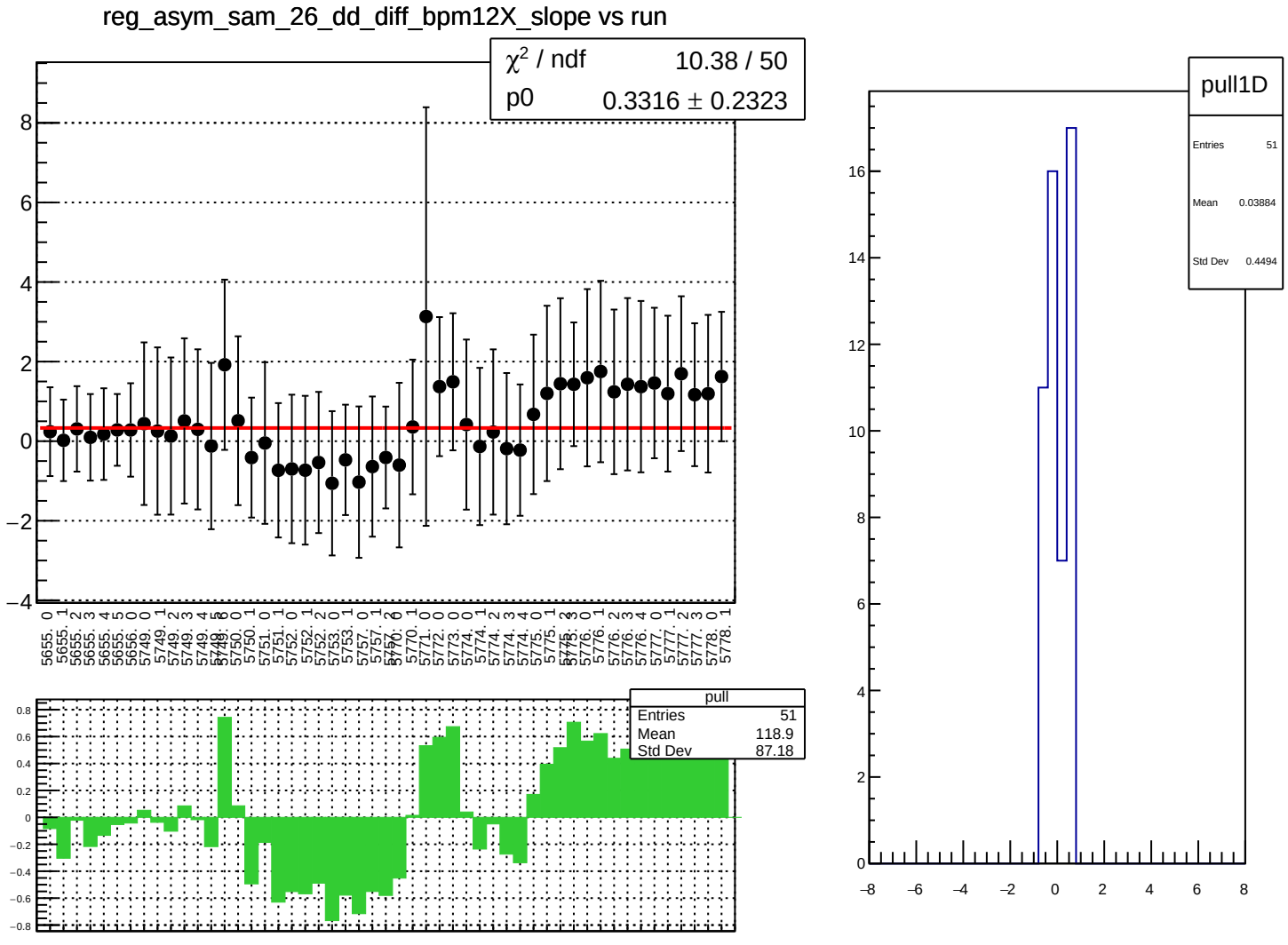

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.21 / 50
p0 −79.15 ± 4.383
pull
Entries 51
Mean 48.37
Std Dev 19.08

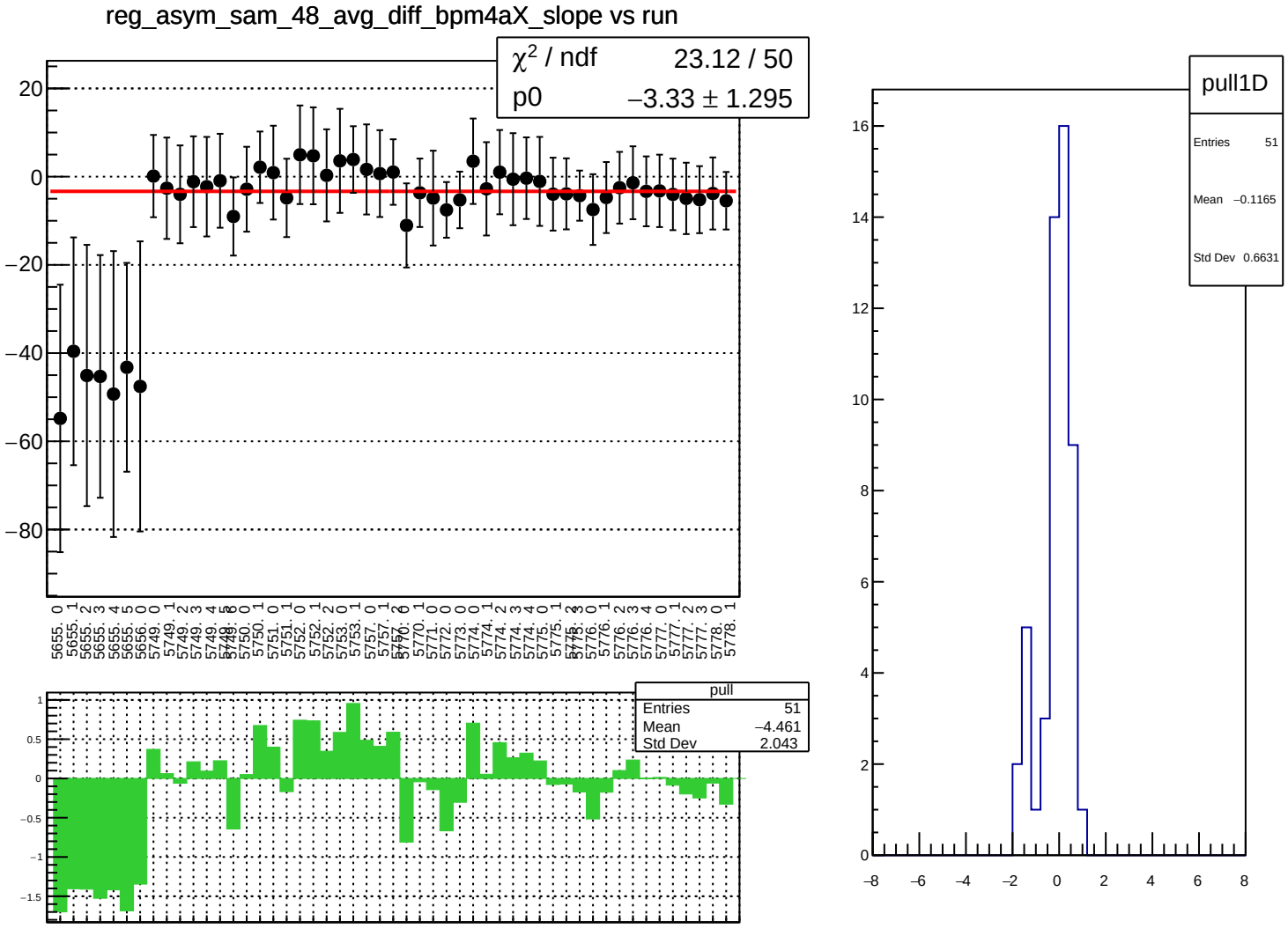

pull1D
Entries 51
Mean −0.2091
Std Dev 1.075

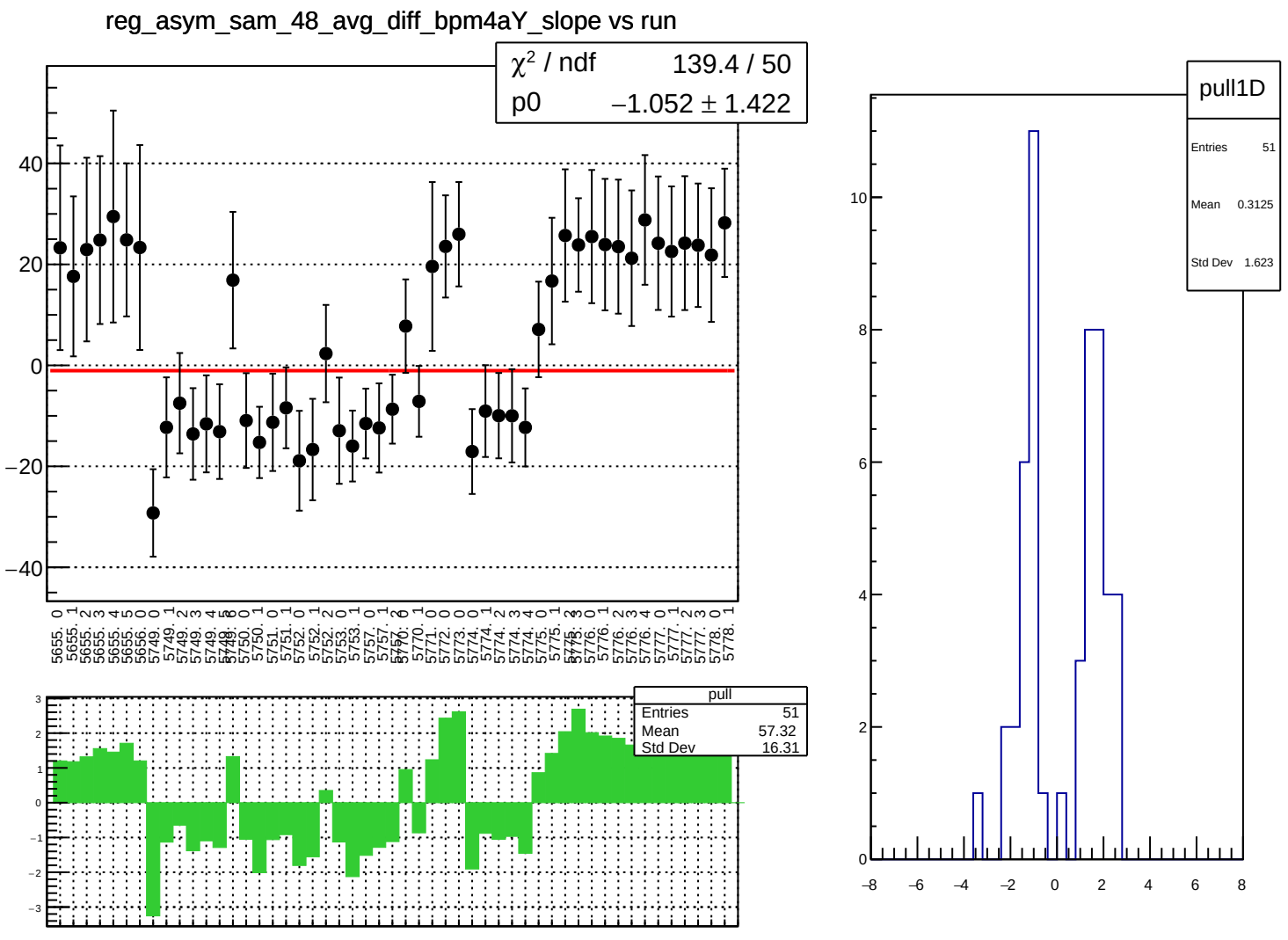

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.86 / 50
p0 −104.4 ± 5.563
pull
Entries 51
Mean 616.7
Std Dev 588.9
pull1D
Entries 51
Mean −0.002931
Std Dev 0.2751

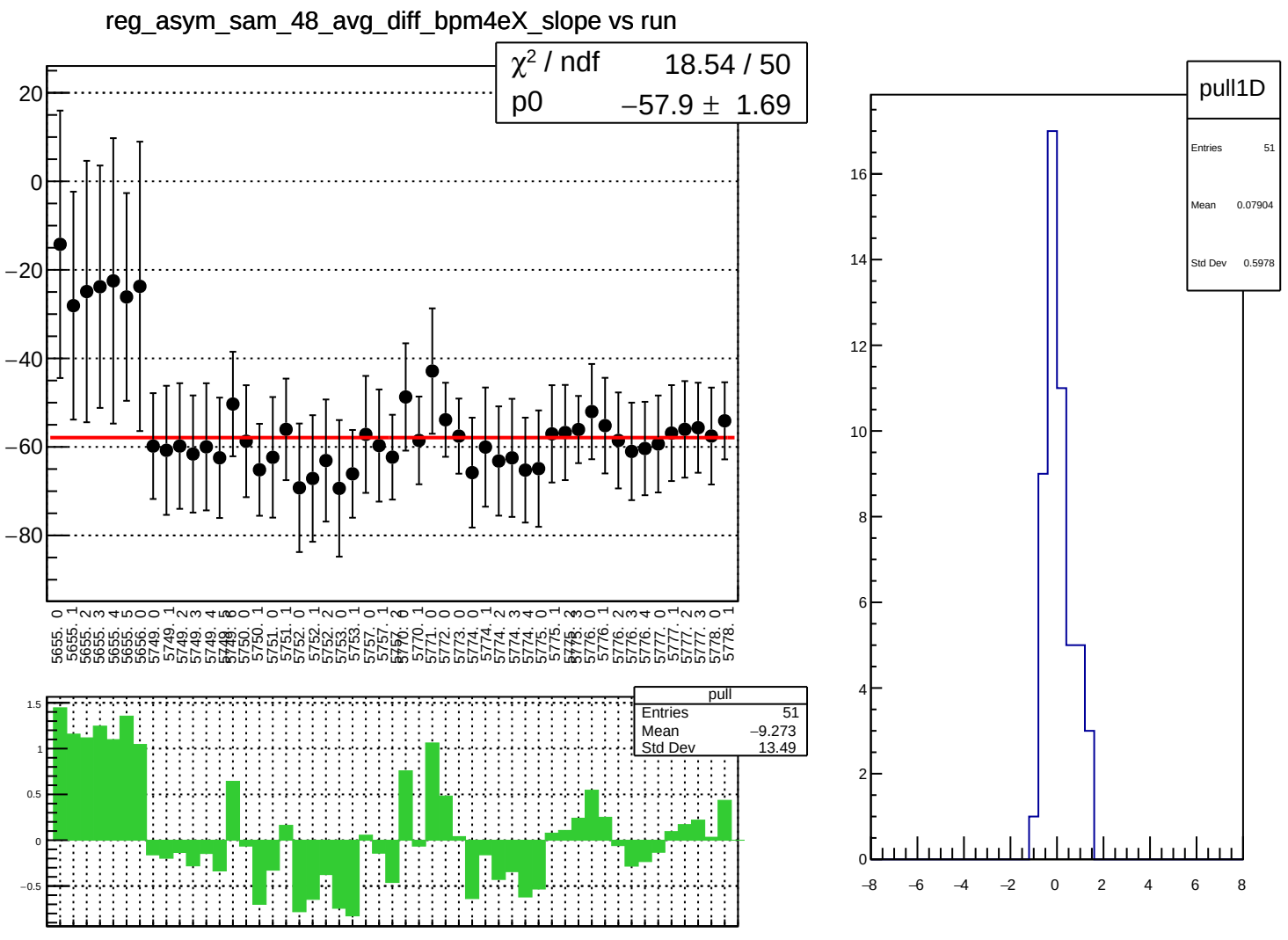

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.85 / 50
p0 −91.89 ± 4.7
pull
Entries 51
Mean 35.53
Std Dev 31.79

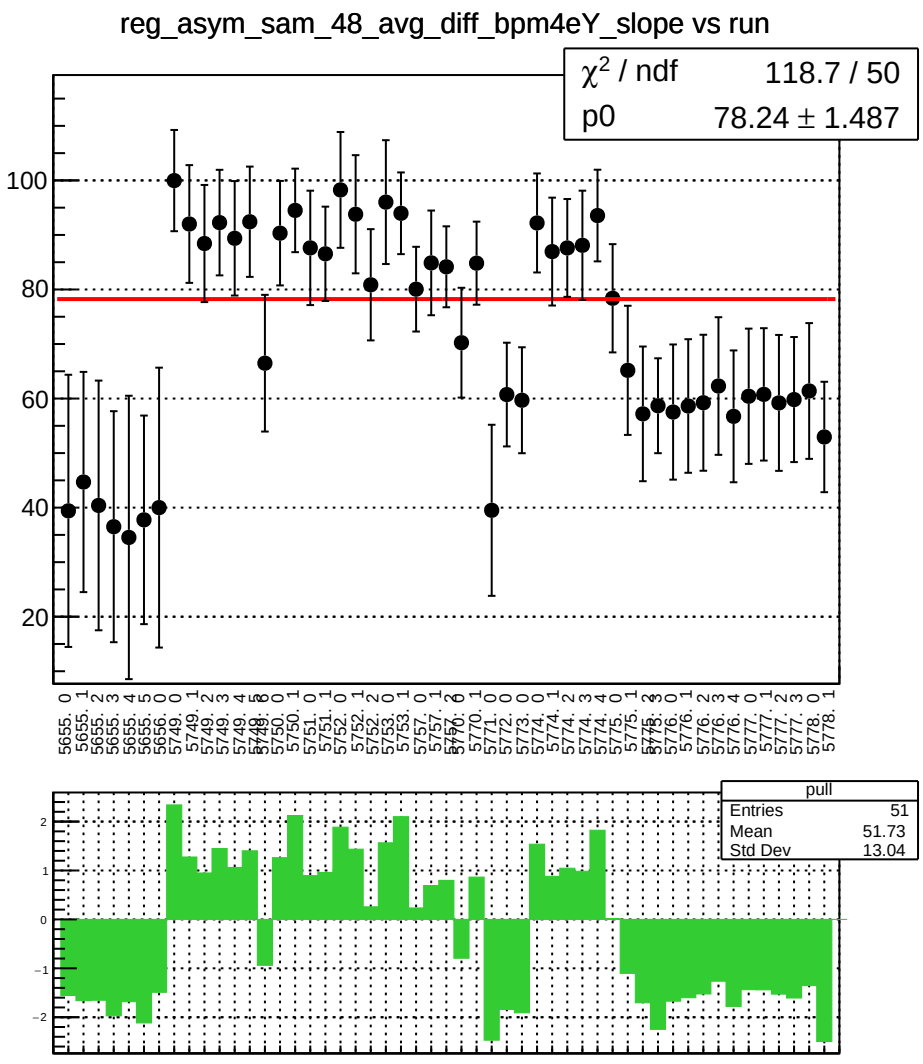

pull1D
Entries 51
Mean 0.1717
Std Dev 1.079

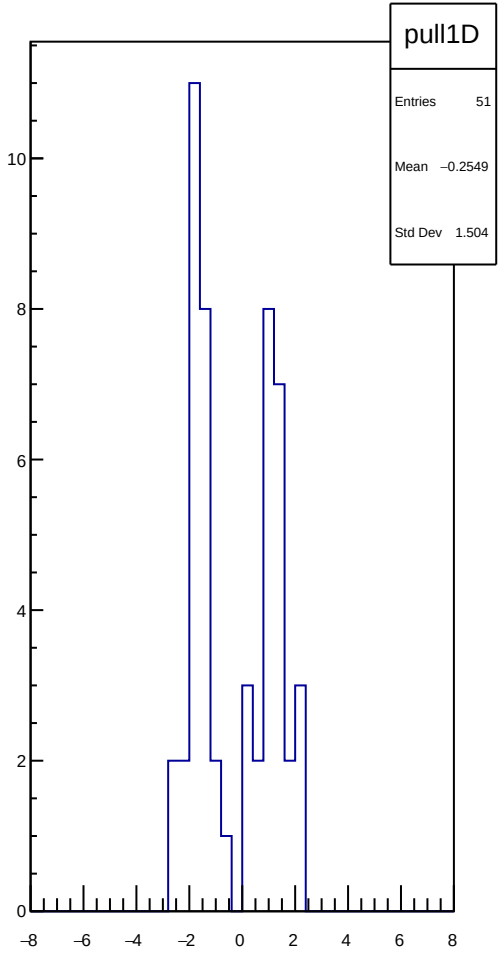

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.38 / 50
p0 0.3316 ± 0.2323
pull
Entries 51
Mean 118.9
Std Dev 87.18
pull1D
Entries 51
Mean 0.03884
Std Dev 0.4494

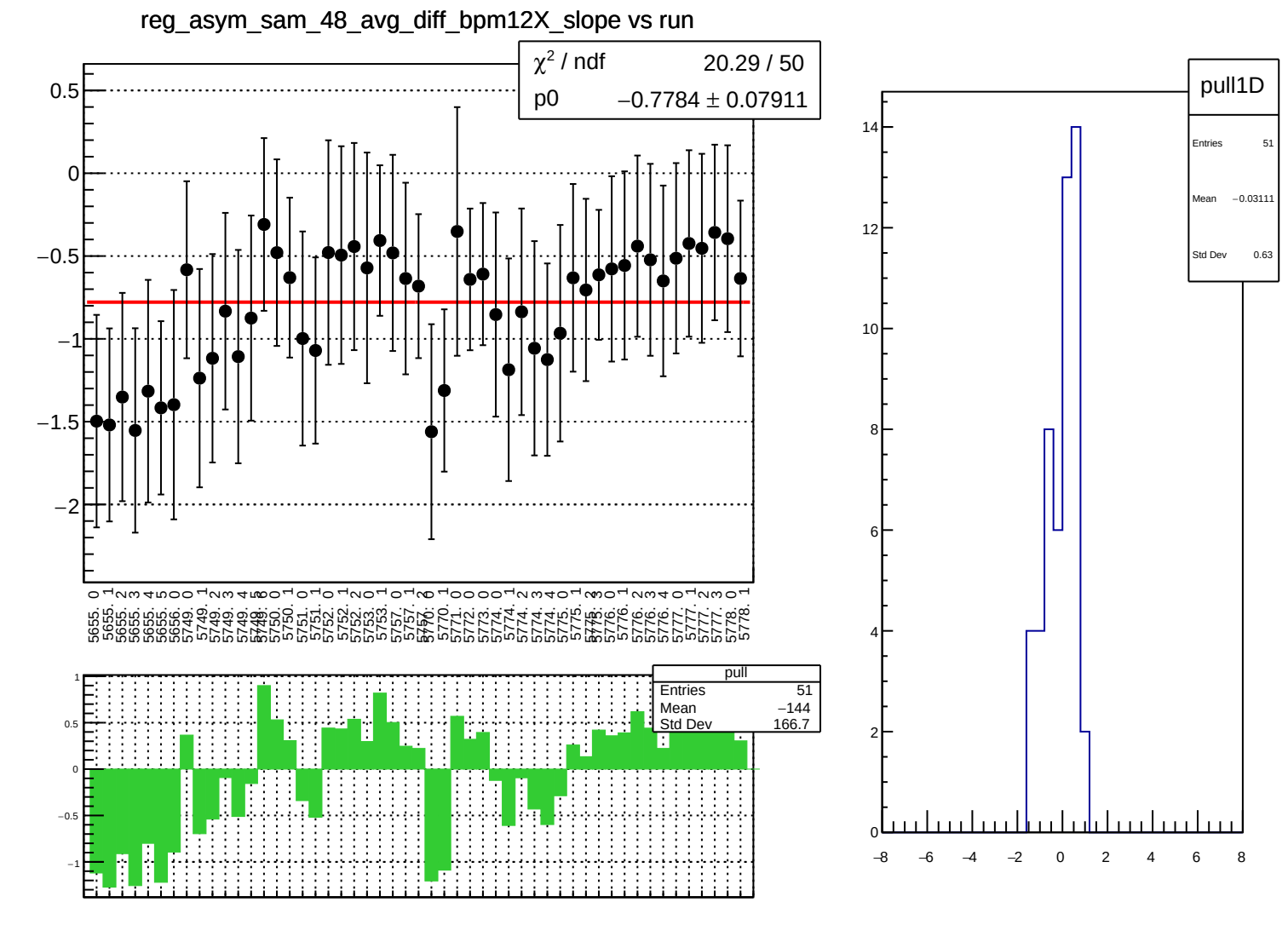

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.12 / 50
p0 −3.33 ± 1.295
pull
Entries 51
Mean −4.461
Std Dev 2.043
pull1D
Entries 51
Mean −0.1165
Std Dev 0.6631

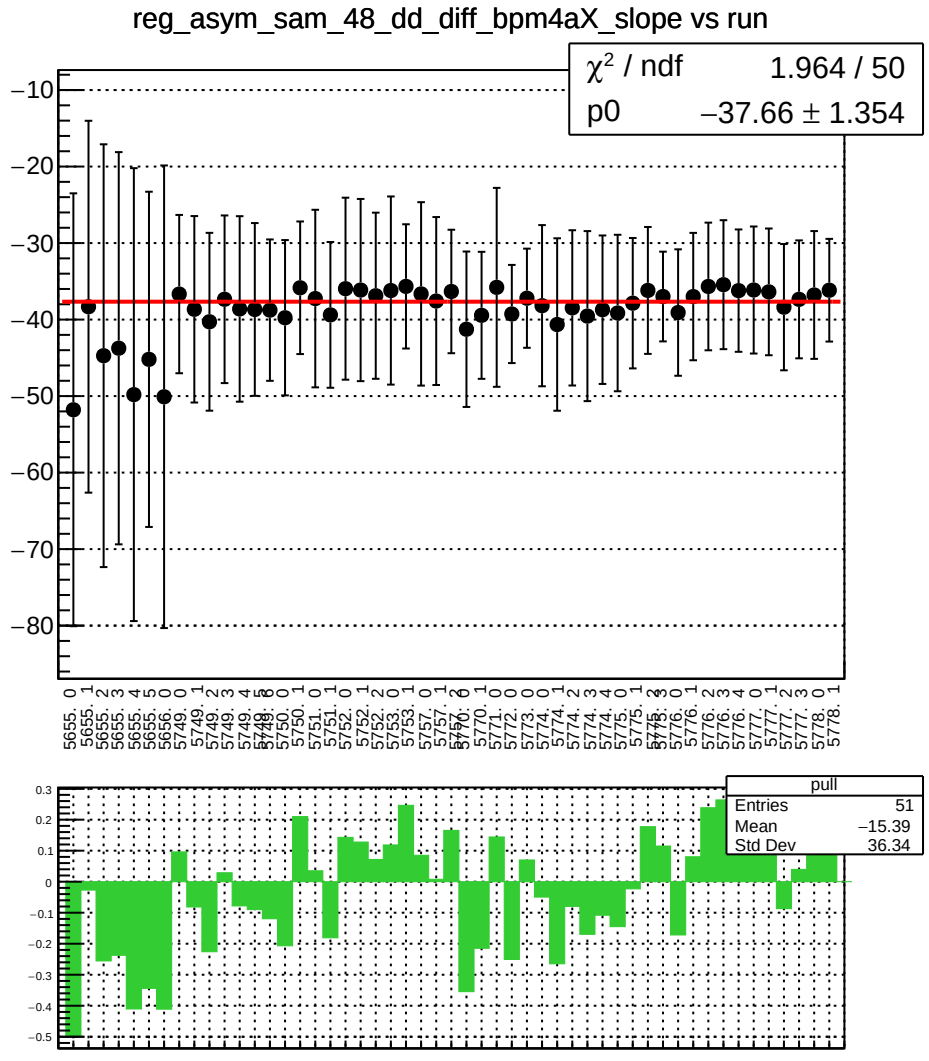

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 139.4 / 50
p0 −1.052 ± 1.422
pull
Entries 51
Mean 57.32
Std Dev 16.31
pull1D
Entries 51
Mean 0.3125
Std Dev 1.623

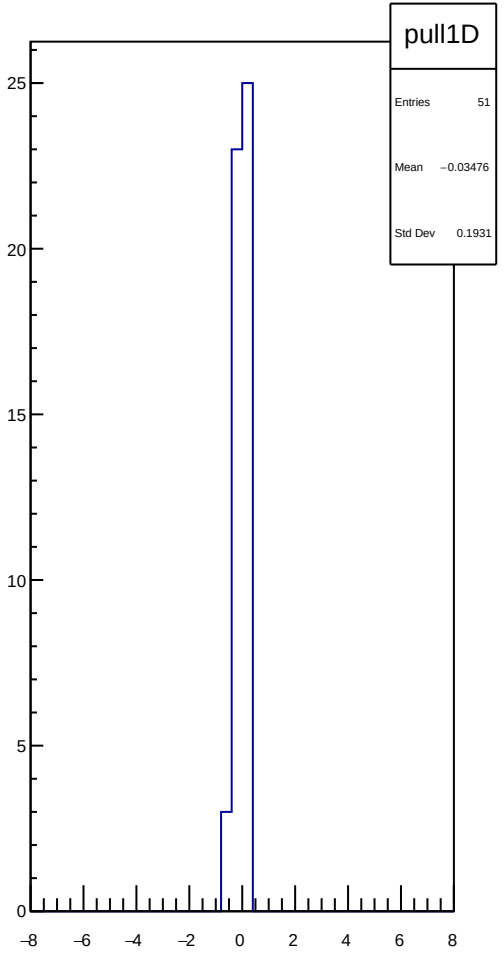

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.54 / 50
p0 −57.9 ± 1.69
pull
Entries 51
Mean −9.273
Std Dev 13.49
pull1D
Entries 51
Mean 0.07904
Std Dev 0.5978

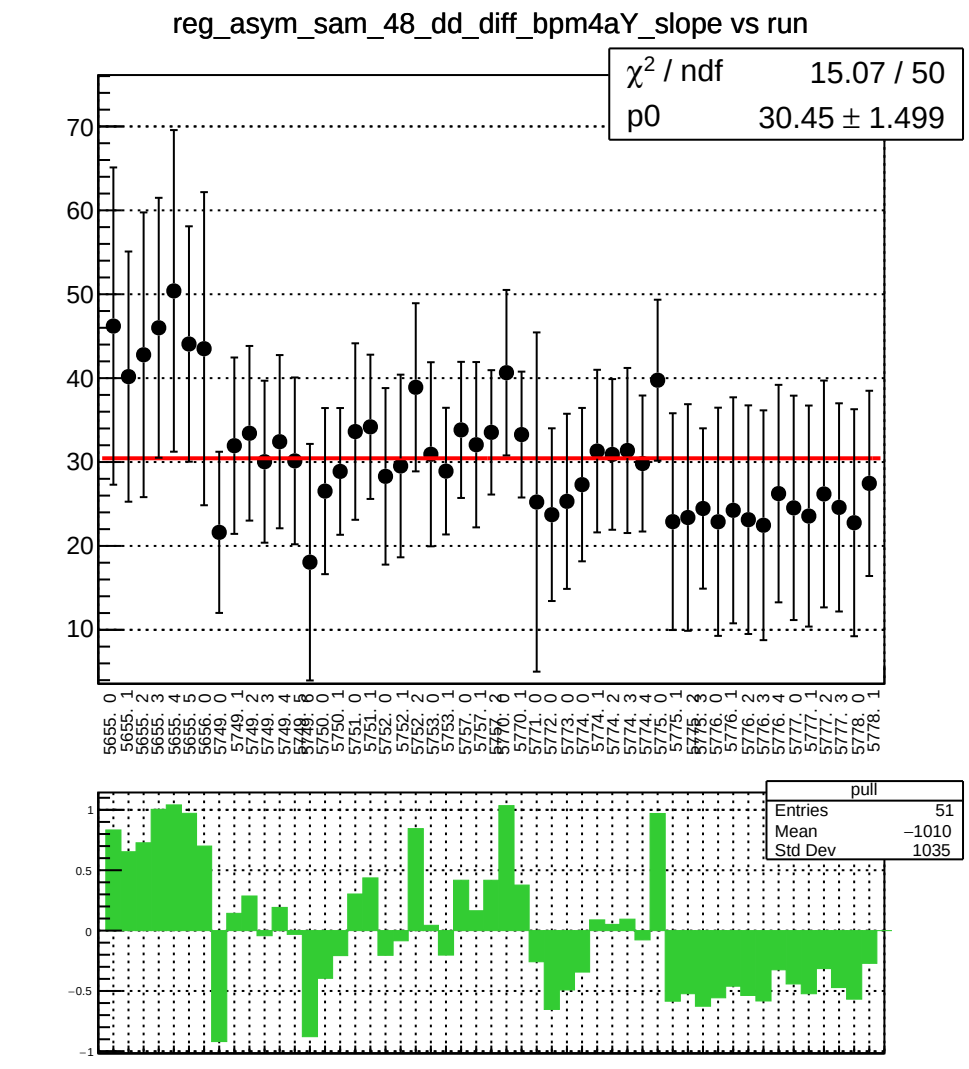

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 118.7 / 50
p0 78.24 ± 1.487
pull
Entries 51
Mean 51.73
Std Dev 13.04

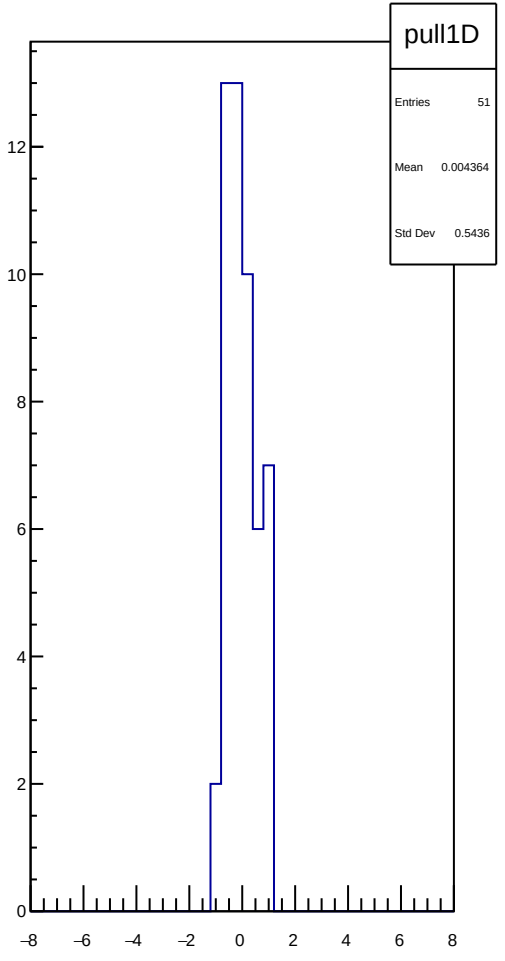

pull1D
Entries 51
Mean −0.2549
Std Dev 1.504

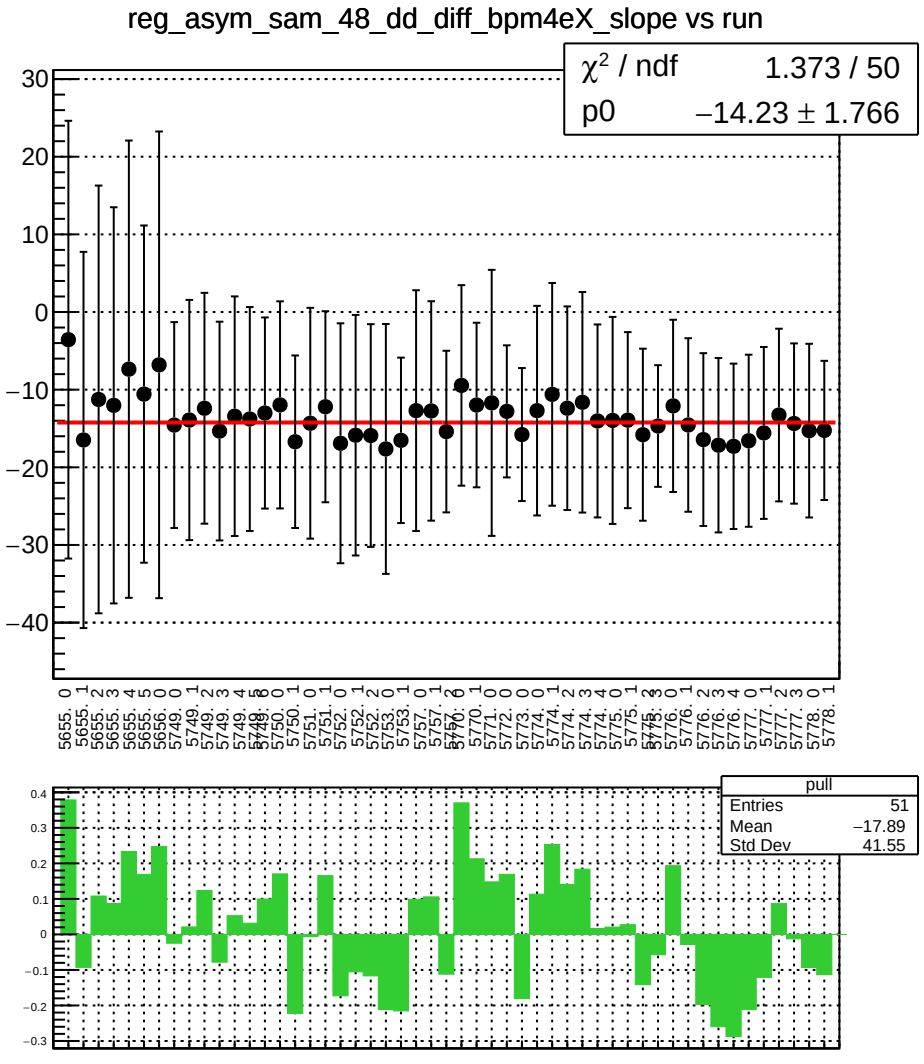

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 20.29 / 50
p0 −0.7784 ± 0.07911
pull
Entries 51
Mean −144
Std Dev 166.7
pull1D
Entries 51
Mean −0.03111
Std Dev 0.63

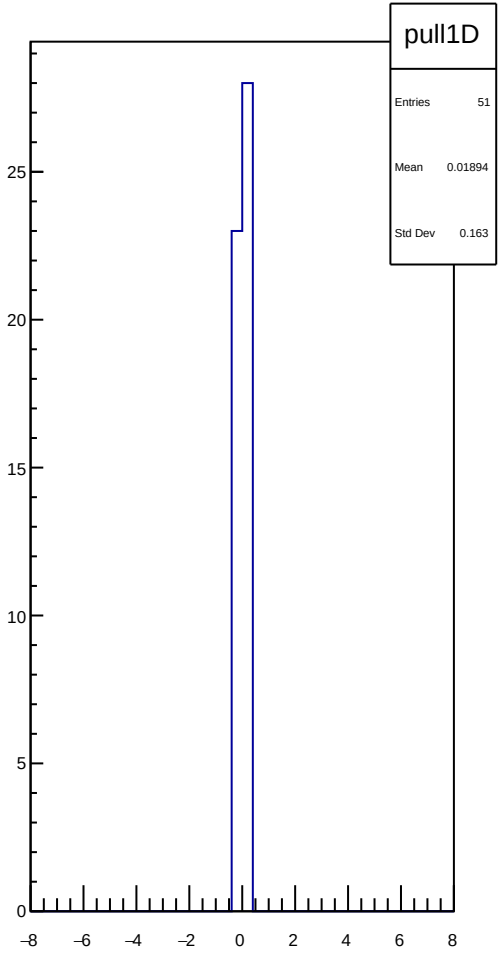

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.964 / 50
p0 −37.66 ± 1.354
pull
Entries 51
Mean −15.39
Std Dev 36.34

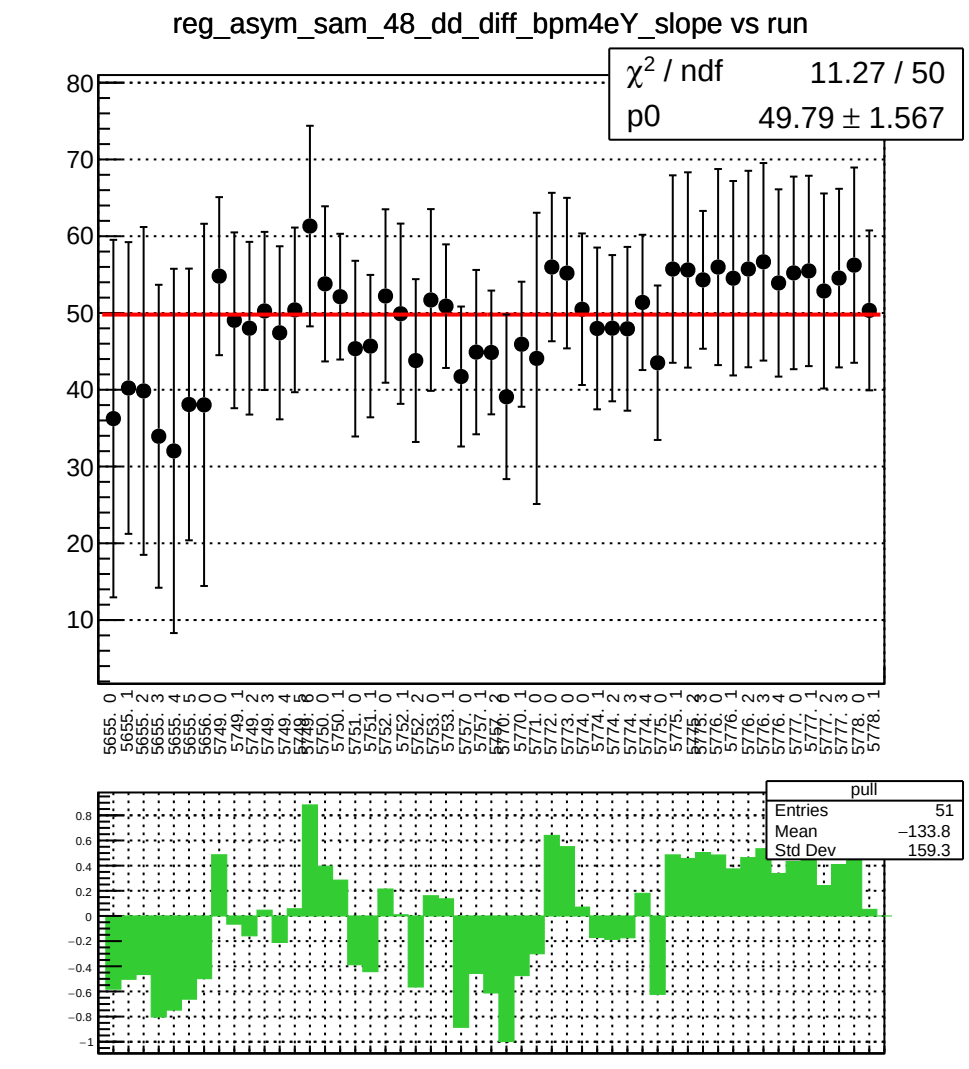

pull1D
Entries 51
Mean −0.03476
Std Dev 0.1931

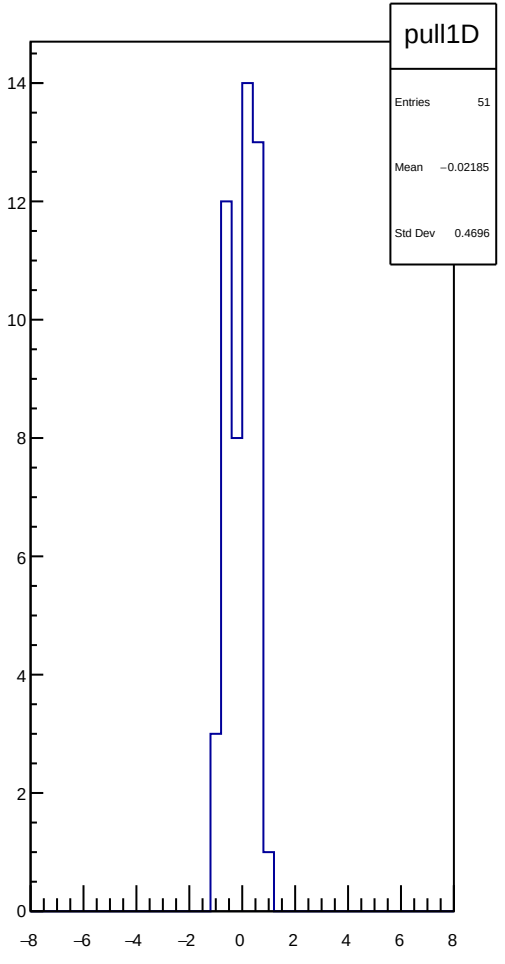

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.07 / 50
p0 30.45 ± 1.499
pull
Entries 51
Mean −1010
Std Dev 1035

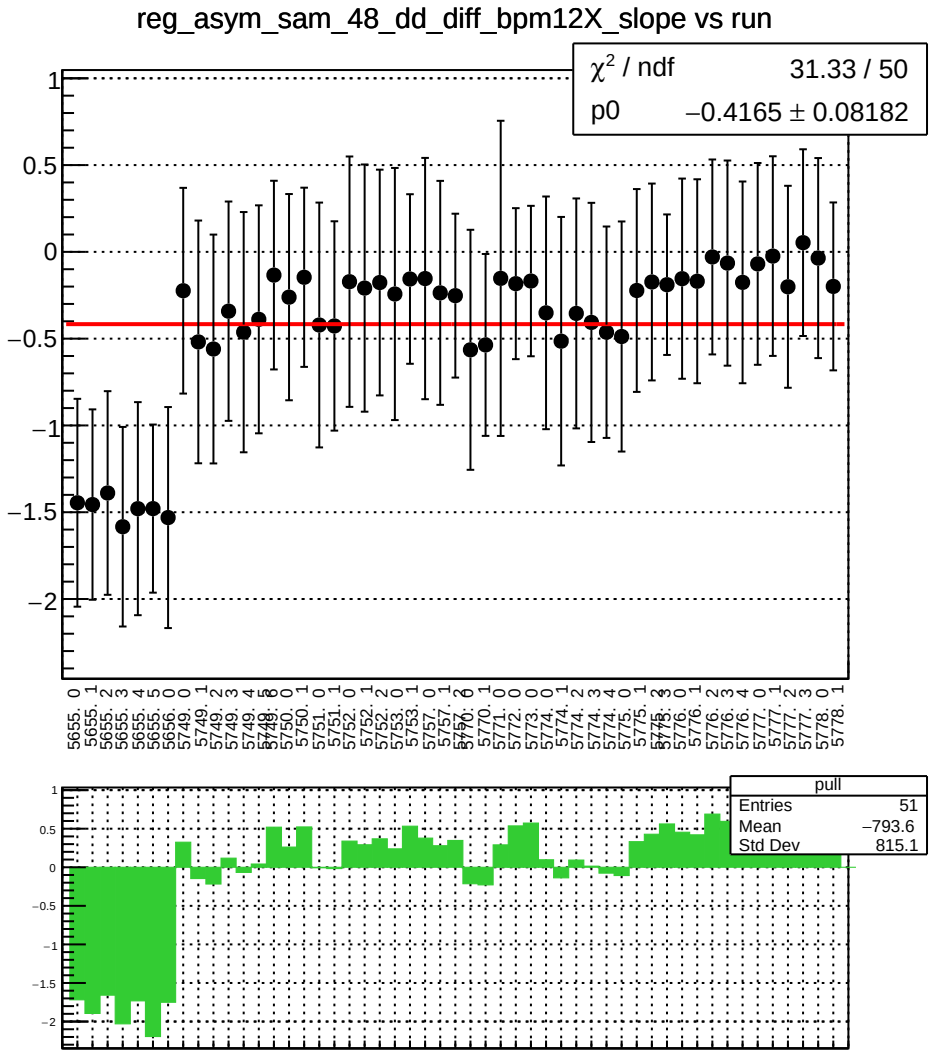

pull1D
Entries 51
Mean 0.004364
Std Dev 0.5436

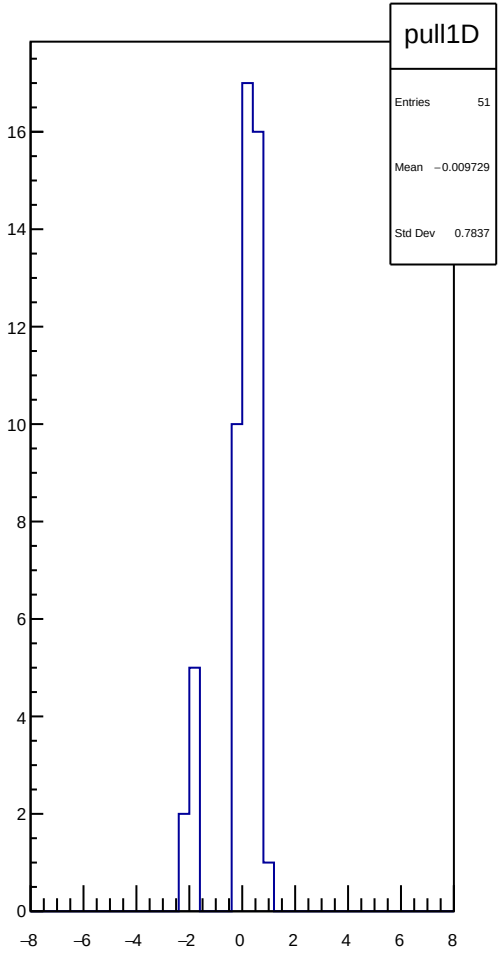

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.373 / 50
p0 −14.23 ± 1.766
pull
Entries 51
Mean −17.89
Std Dev 41.55

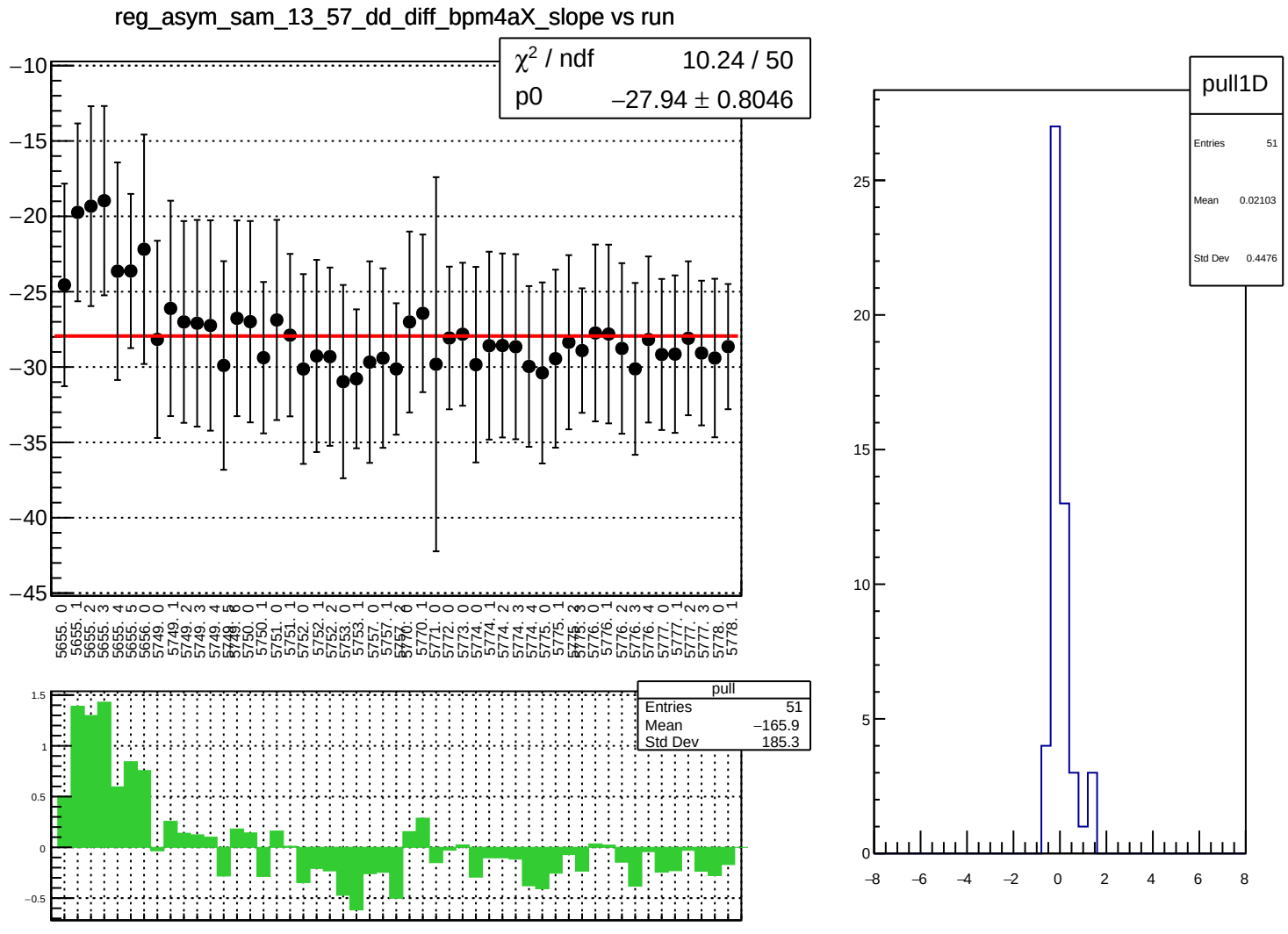

pull1D
Entries 51
Mean 0.01894
Std Dev 0.163

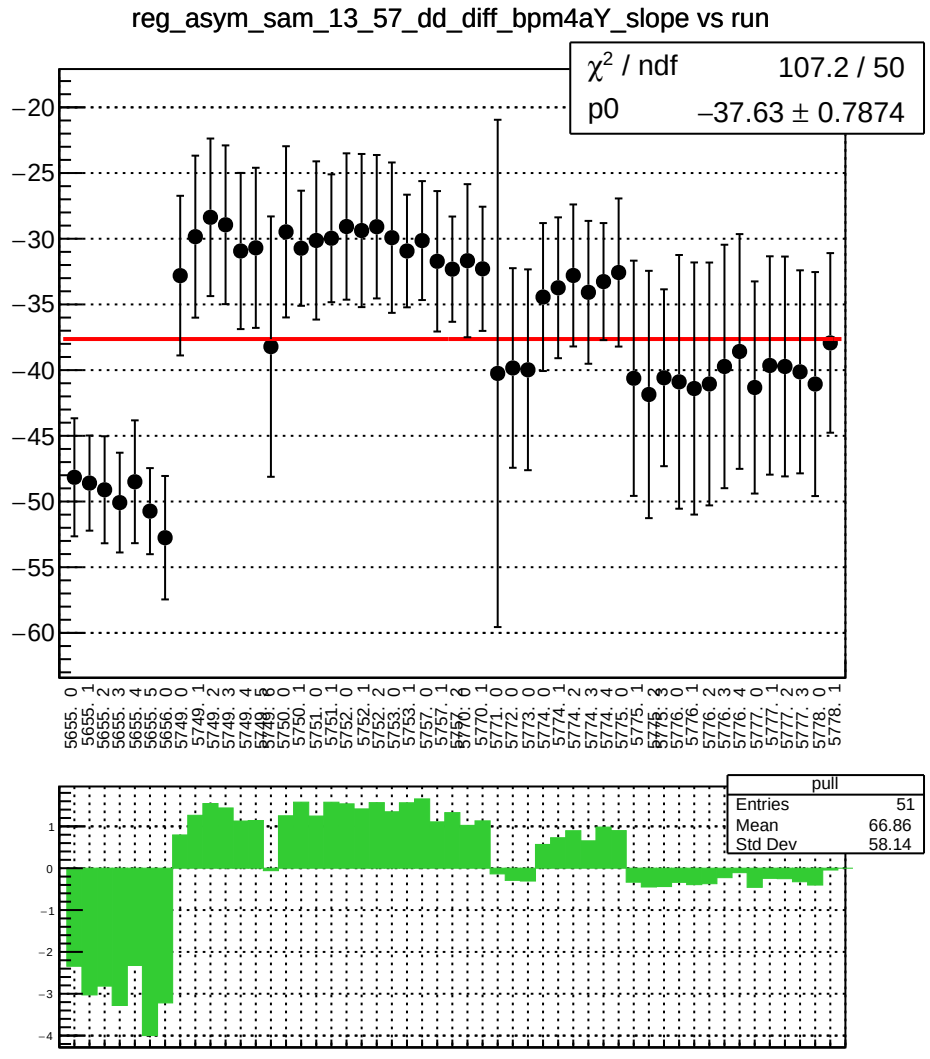

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 50
p0 49.79 ± 1.567
pull
Entries 51
Mean −133.8
Std Dev 159.3

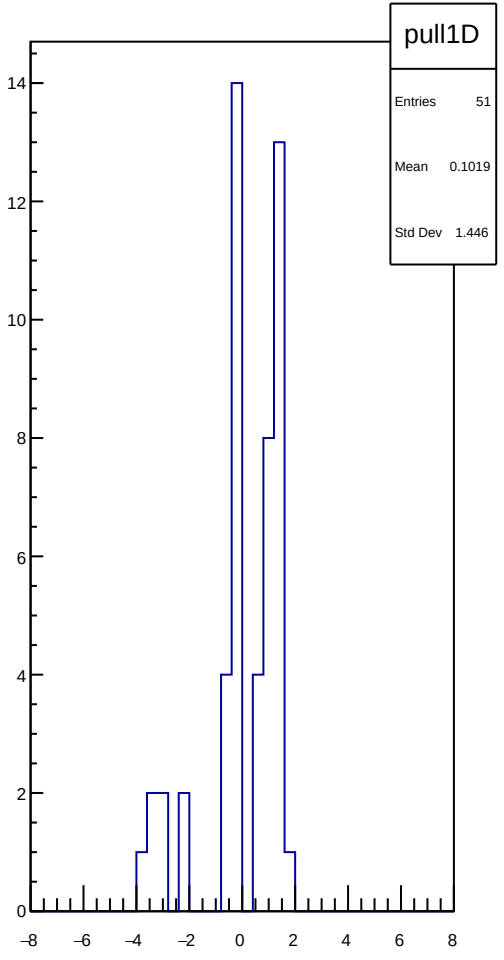

pull1D
Entries 51
Mean −0.02185
Std Dev 0.4696

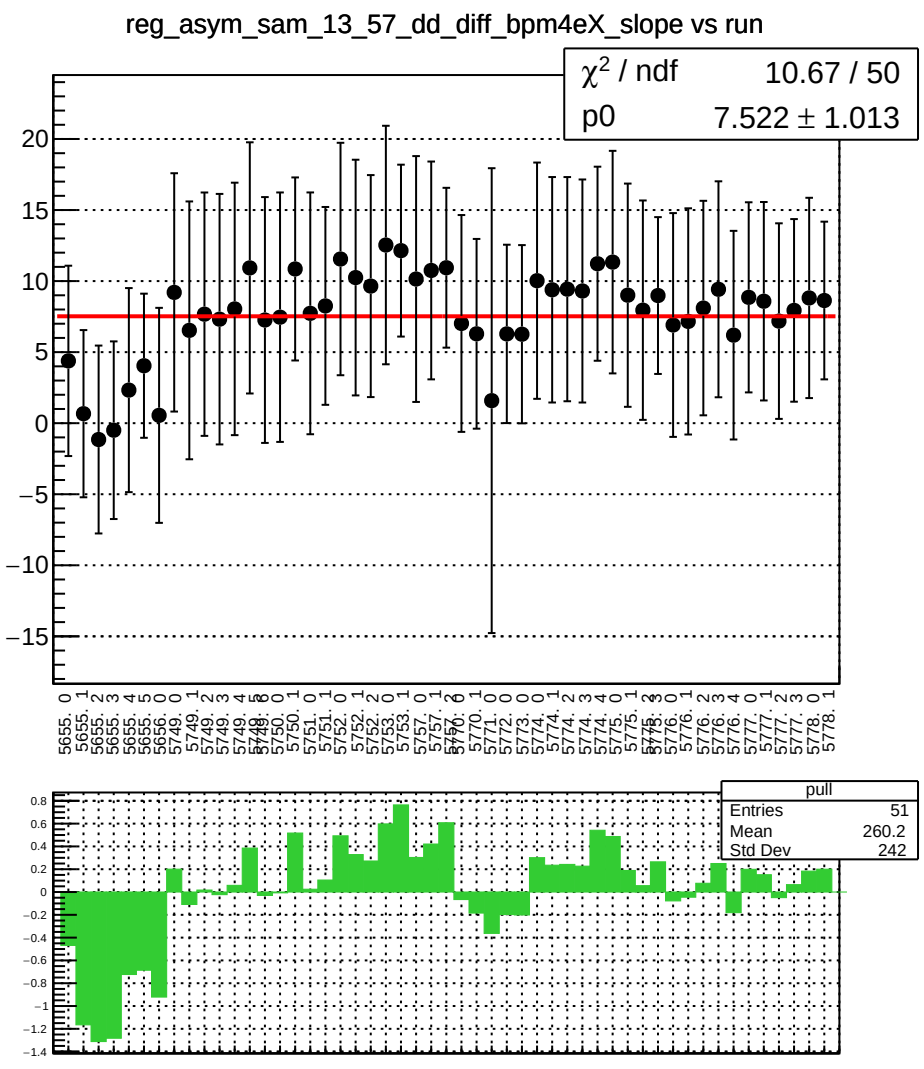

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 31.33 / 50
p0 −0.4165 ± 0.08182
pull
Entries 51
Mean −793.6
Std Dev 815.1

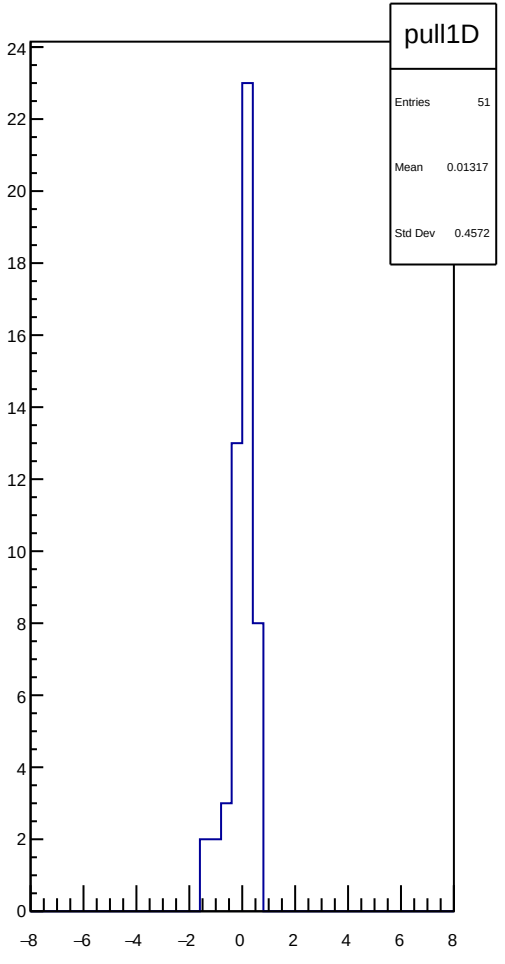

pull1D
Entries 51
Mean −0.009729
Std Dev 0.7837

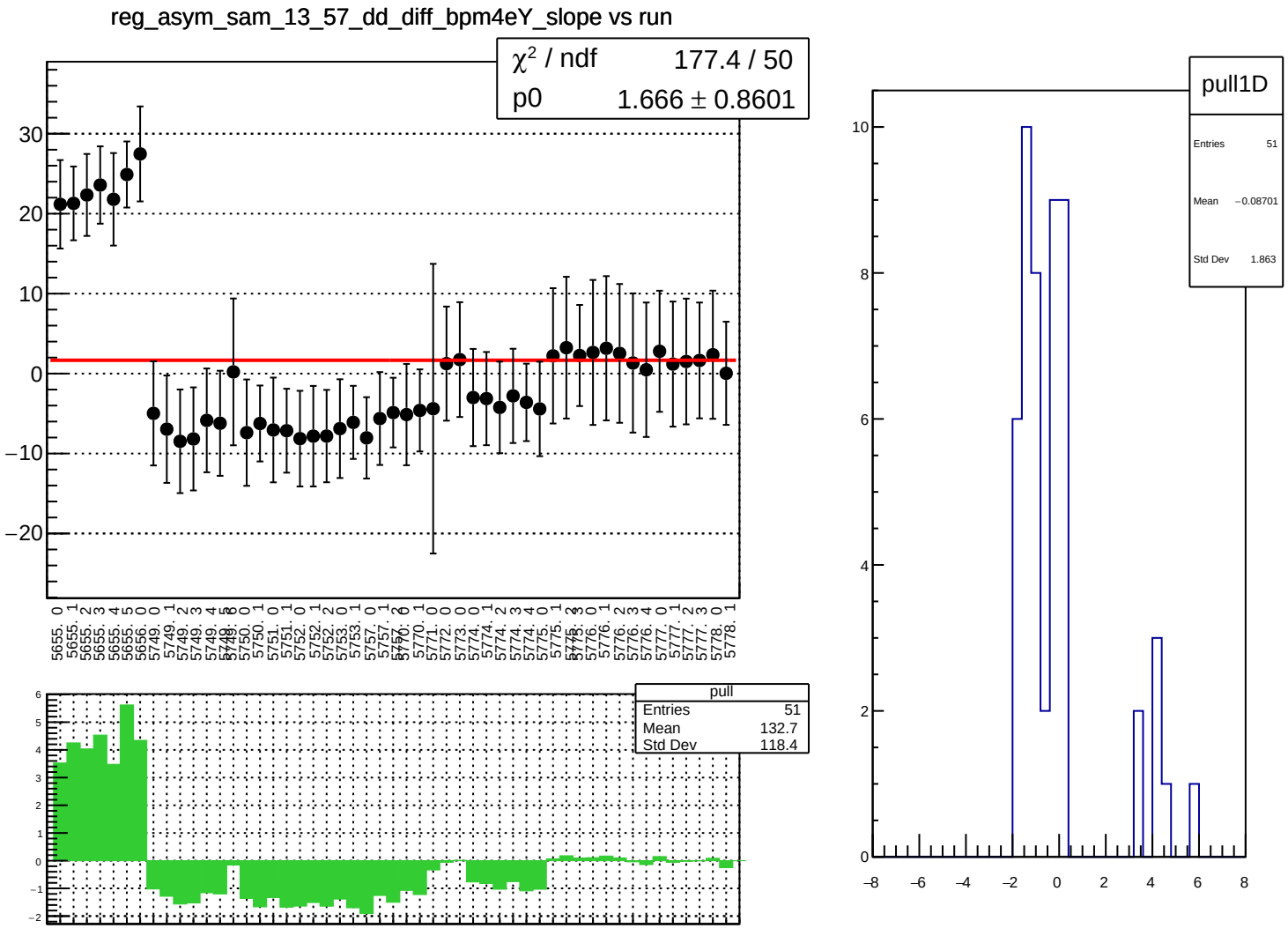

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.24 / 50
p0 −27.94 ± 0.8046
pull
Entries 51
Mean −165.9
Std Dev 185.3
pull1D
Entries 51
Mean 0.02103
Std Dev 0.4476

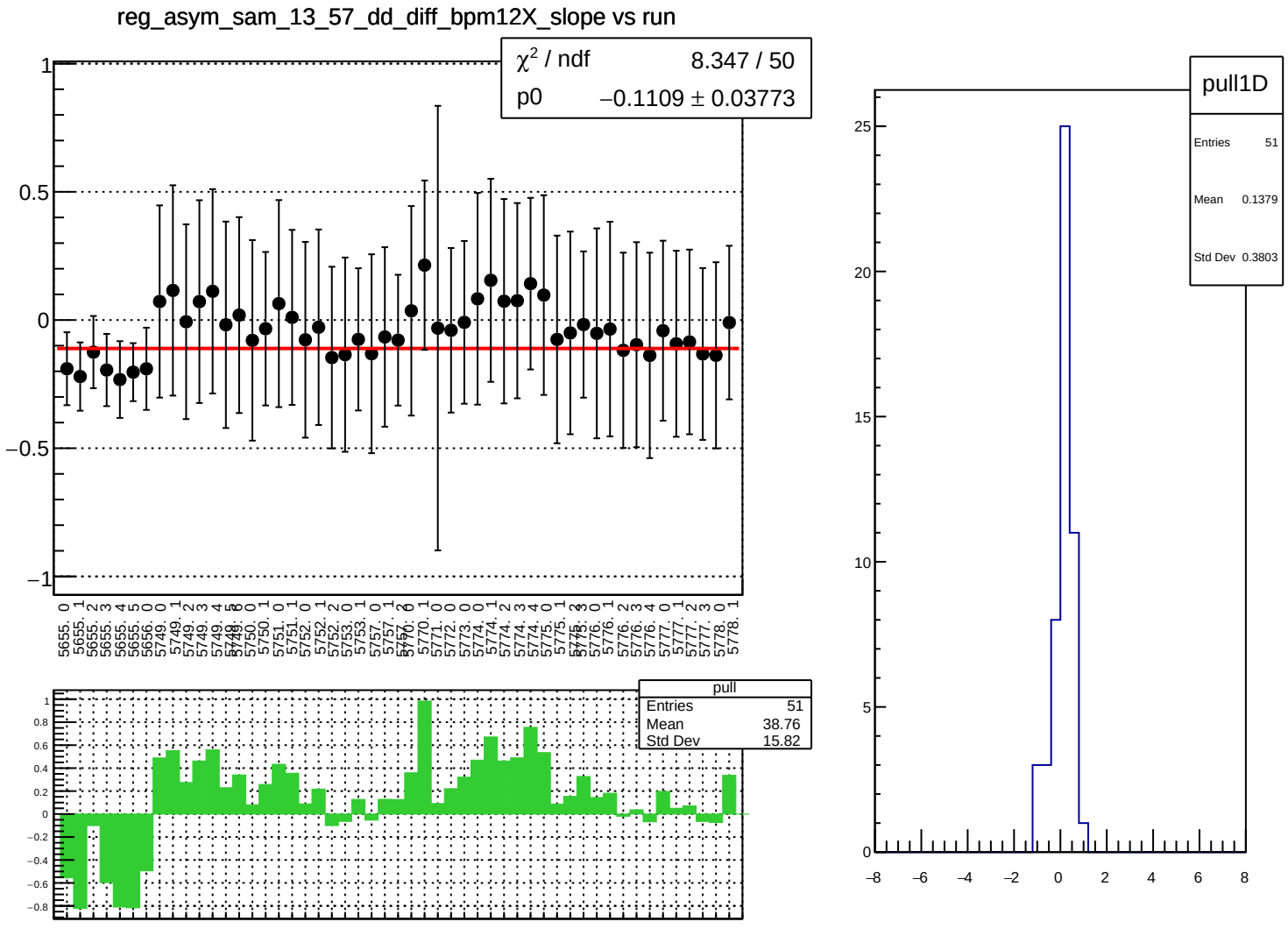

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 107.2 / 50
p0 −37.63 ± 0.7874
pull
Entries 51
Mean 66.86
Std Dev 58.14

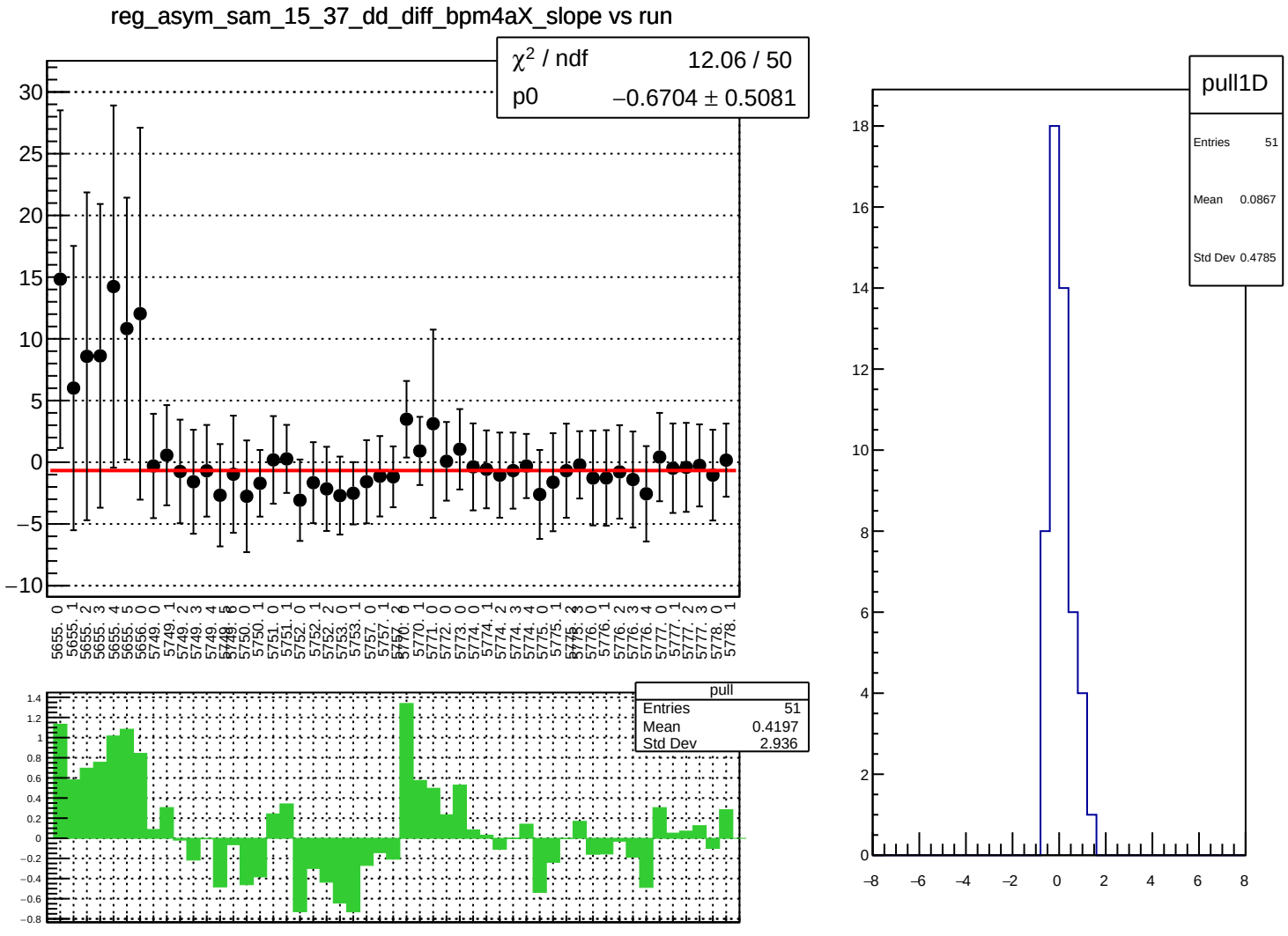

pull1D
Entries 51
Mean 0.1019
Std Dev 1.446

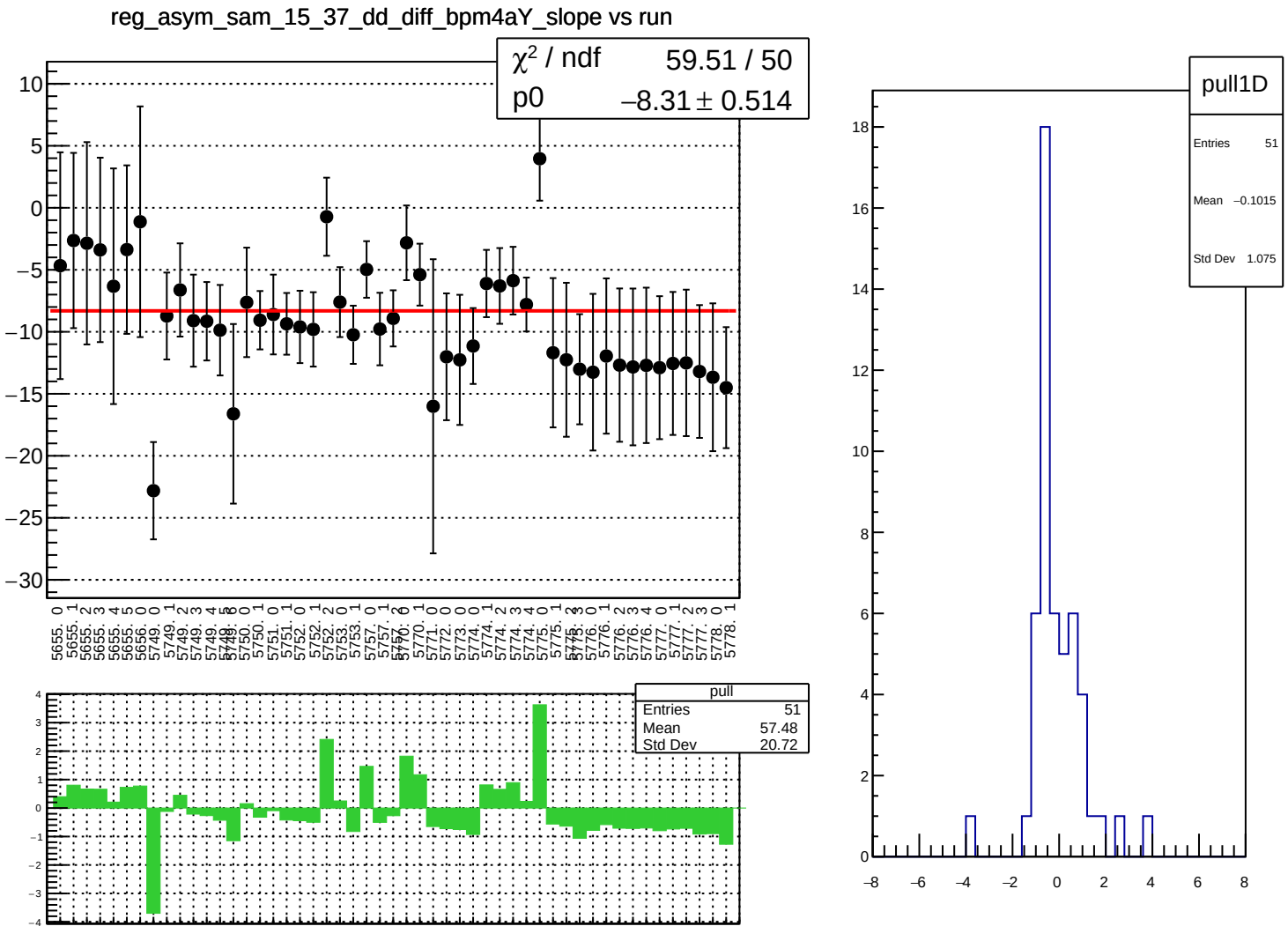

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.67 / 50
p0 7.522 ± 1.013
pull
Entries 51
Mean 260.2
Std Dev 242

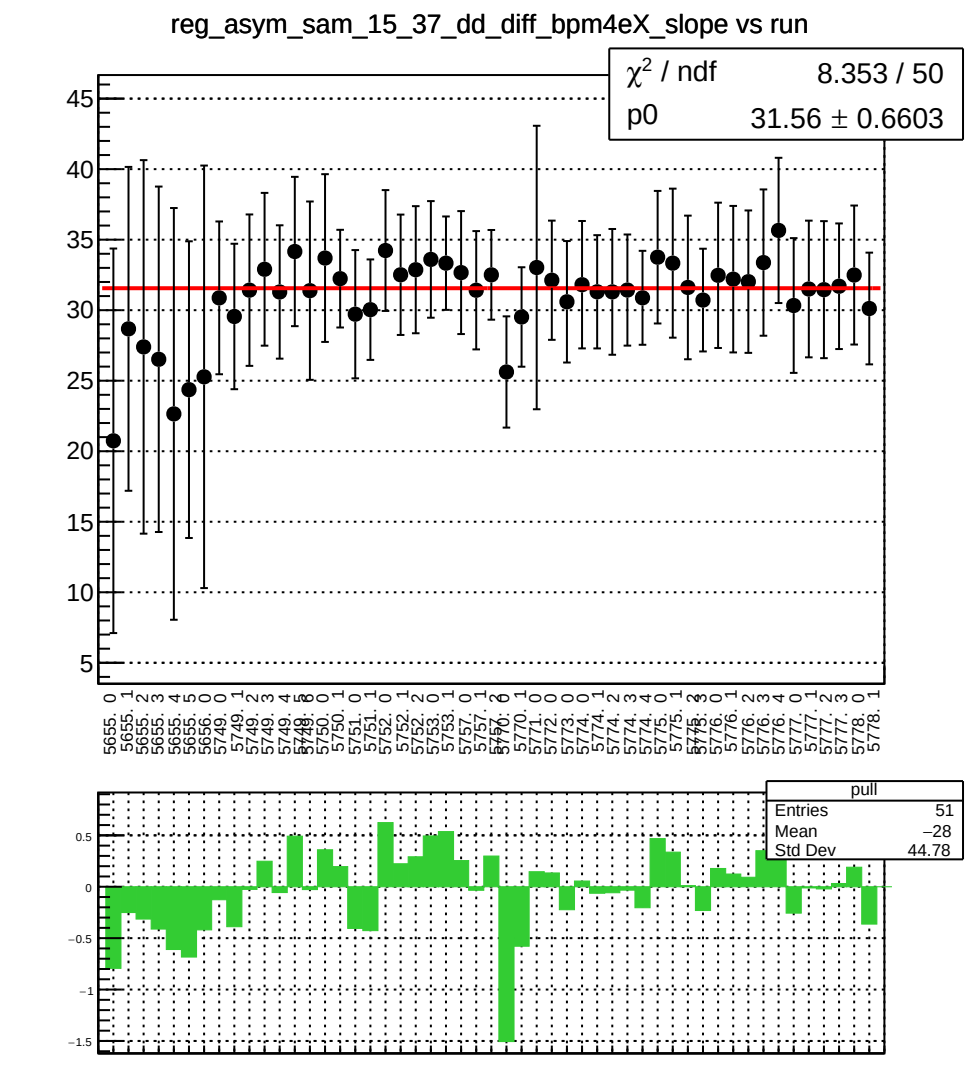

pull1D
Entries 51
Mean 0.01317
Std Dev 0.4572

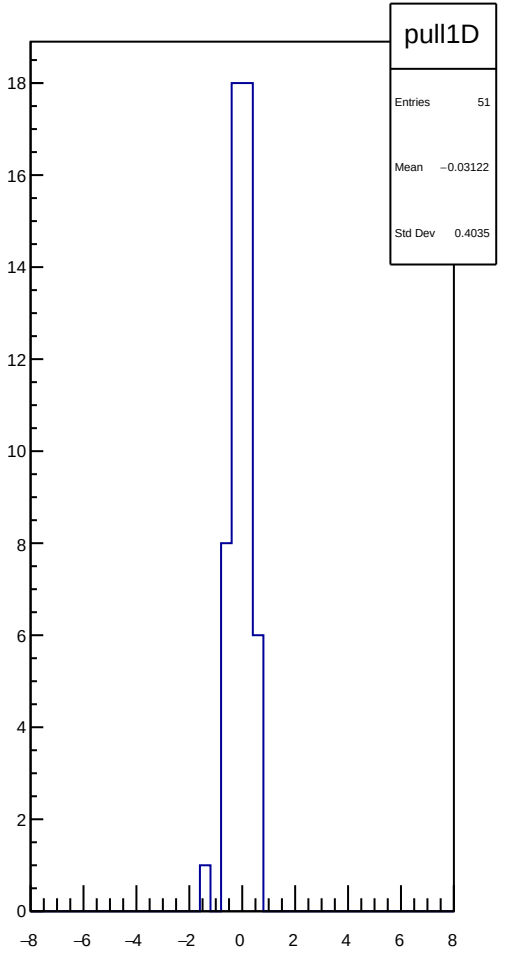

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 177.4 / 50
p0 1.666 ± 0.8601
pull
Entries 51
Mean 132.7
Std Dev 118.4
pull1D
Entries 51
Mean −0.08701
Std Dev 1.863

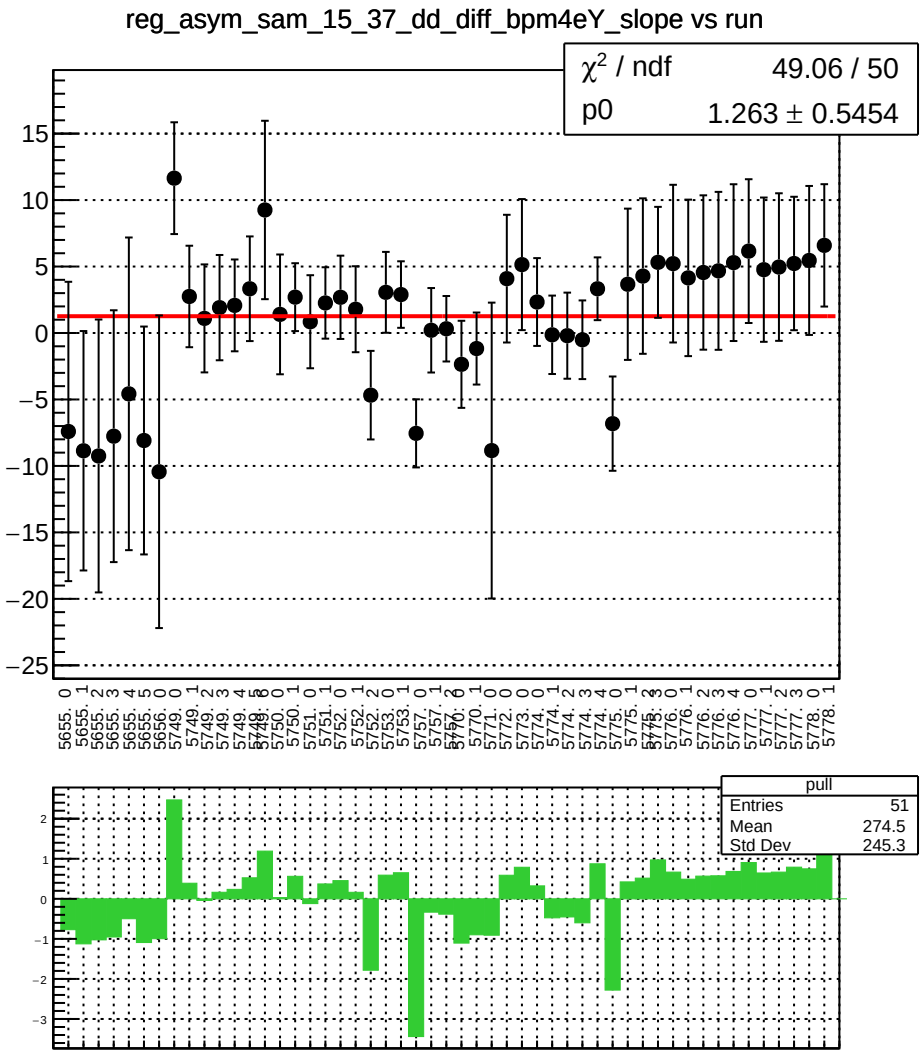

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 8.347 / 50
p0 −0.1109 ± 0.03773
pull
Entries 51
Mean 38.76
Std Dev 15.82
pull1D
Entries 51
Mean 0.1379
Std Dev 0.3803

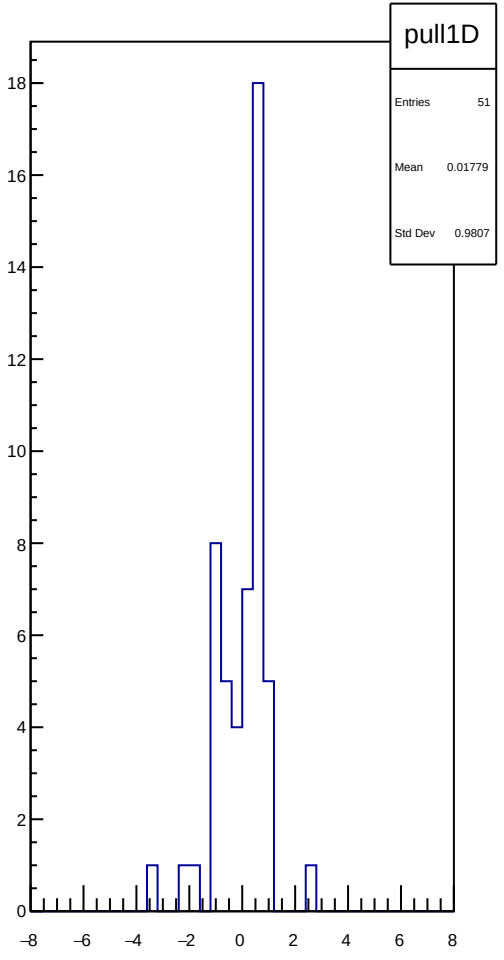

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.06 / 50
p0 −0.6704 ± 0.5081
pull
Entries 51
Mean 0.4197
Std Dev 2.936
pull1D
Entries 51
Mean 0.0867
Std Dev 0.4785

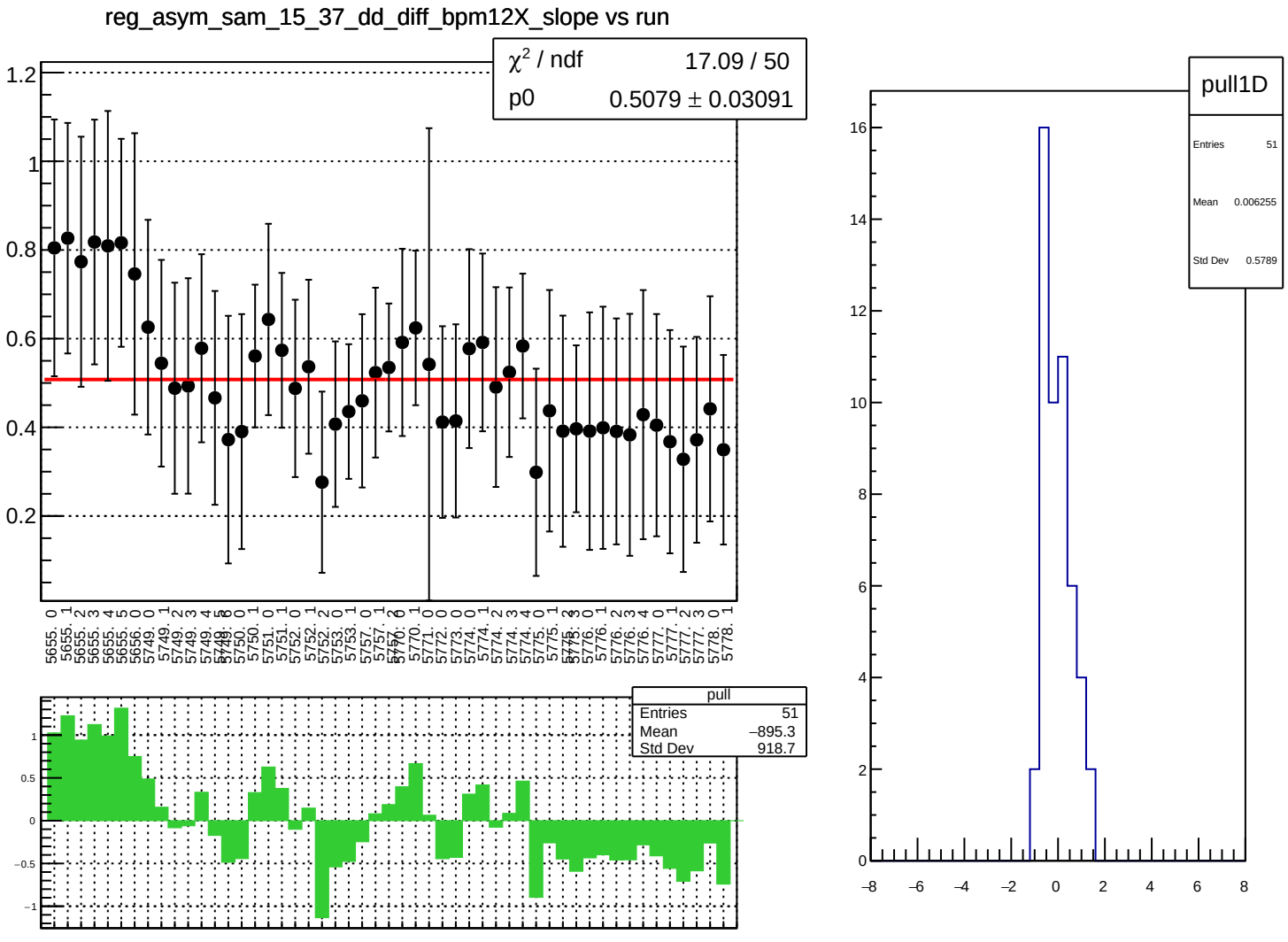

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.51 / 50
p0 −8.31 ± 0.514
pull
Entries 51
Mean 57.48
Std Dev 20.72
pull1D
Entries 51
Mean −0.1015
Std Dev 1.075

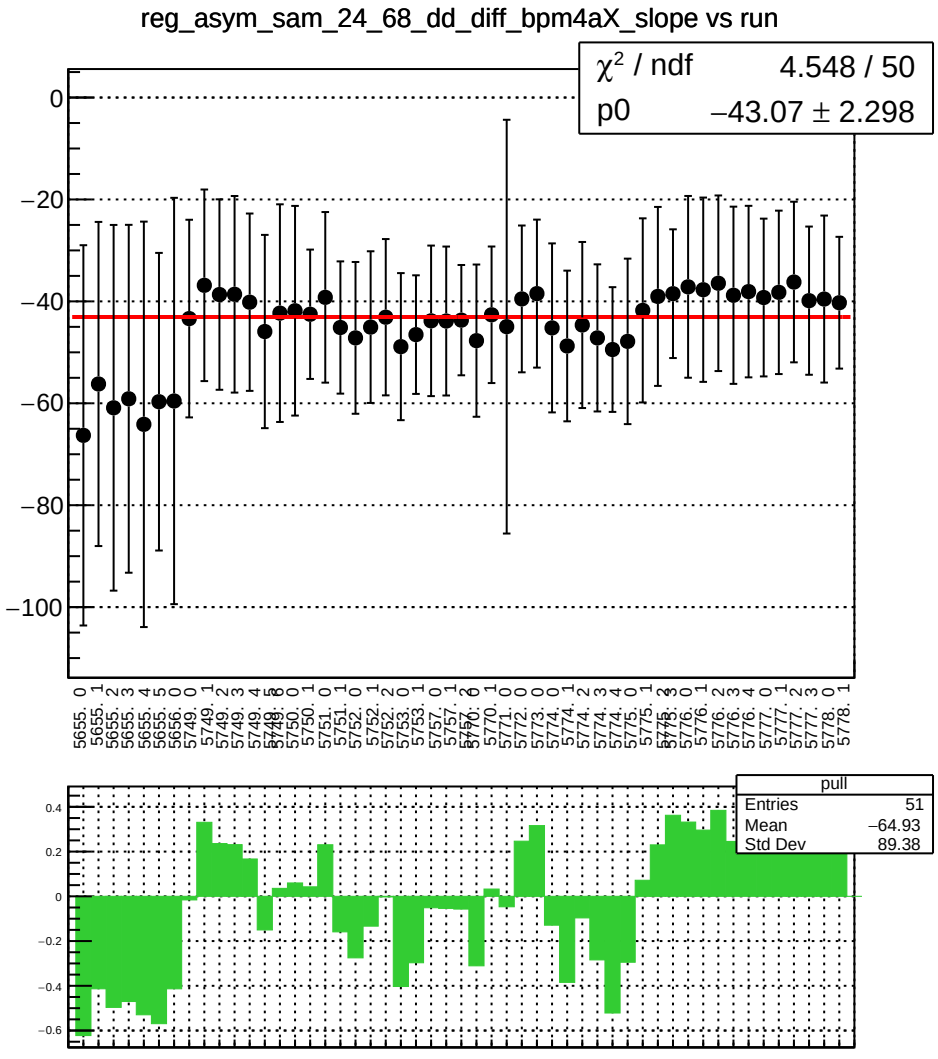

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.353 / 50
p0 31.56 ± 0.6603
pull
Entries 51
Mean −28
Std Dev 44.78

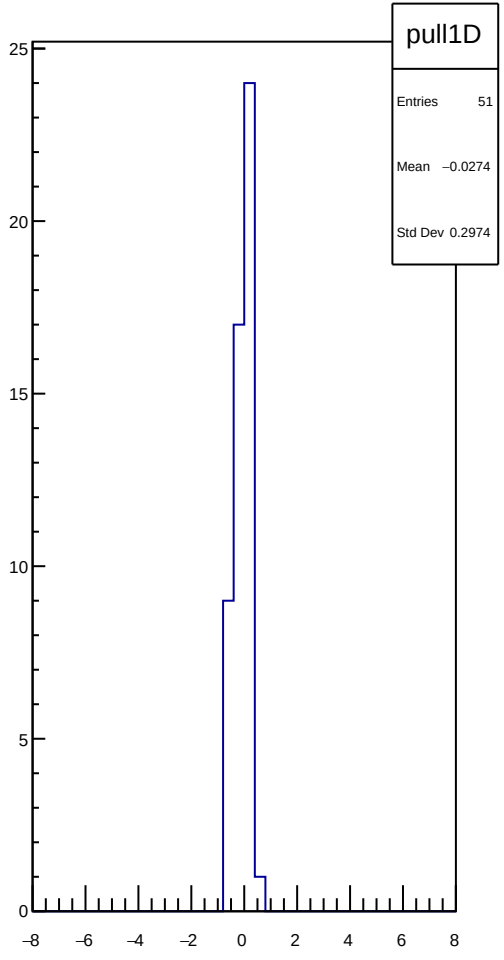

pull1D
Entries 51
Mean −0.03122
Std Dev 0.4035

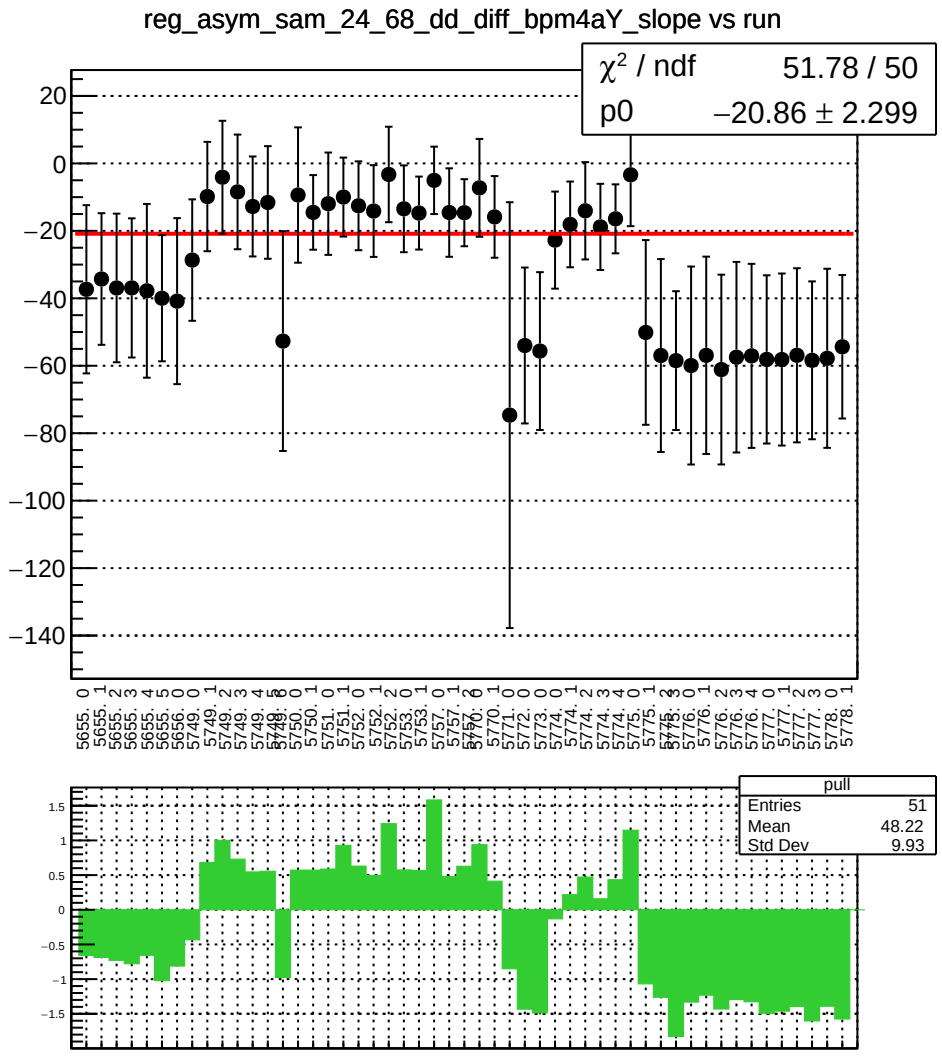

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.06 / 50
p0 1.263 ± 0.5454
pull
Entries 51
Mean 274.5
Std Dev 245.3

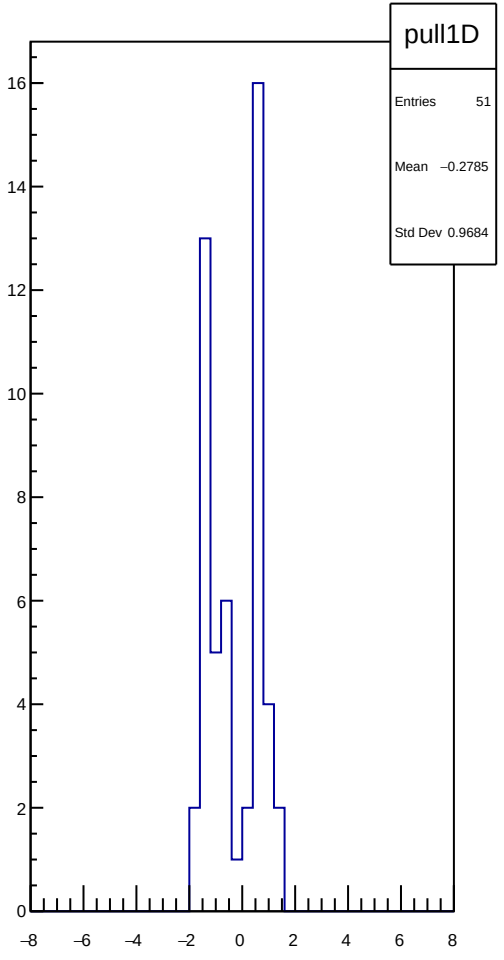

pull1D
Entries 51
Mean 0.01779
Std Dev 0.9807

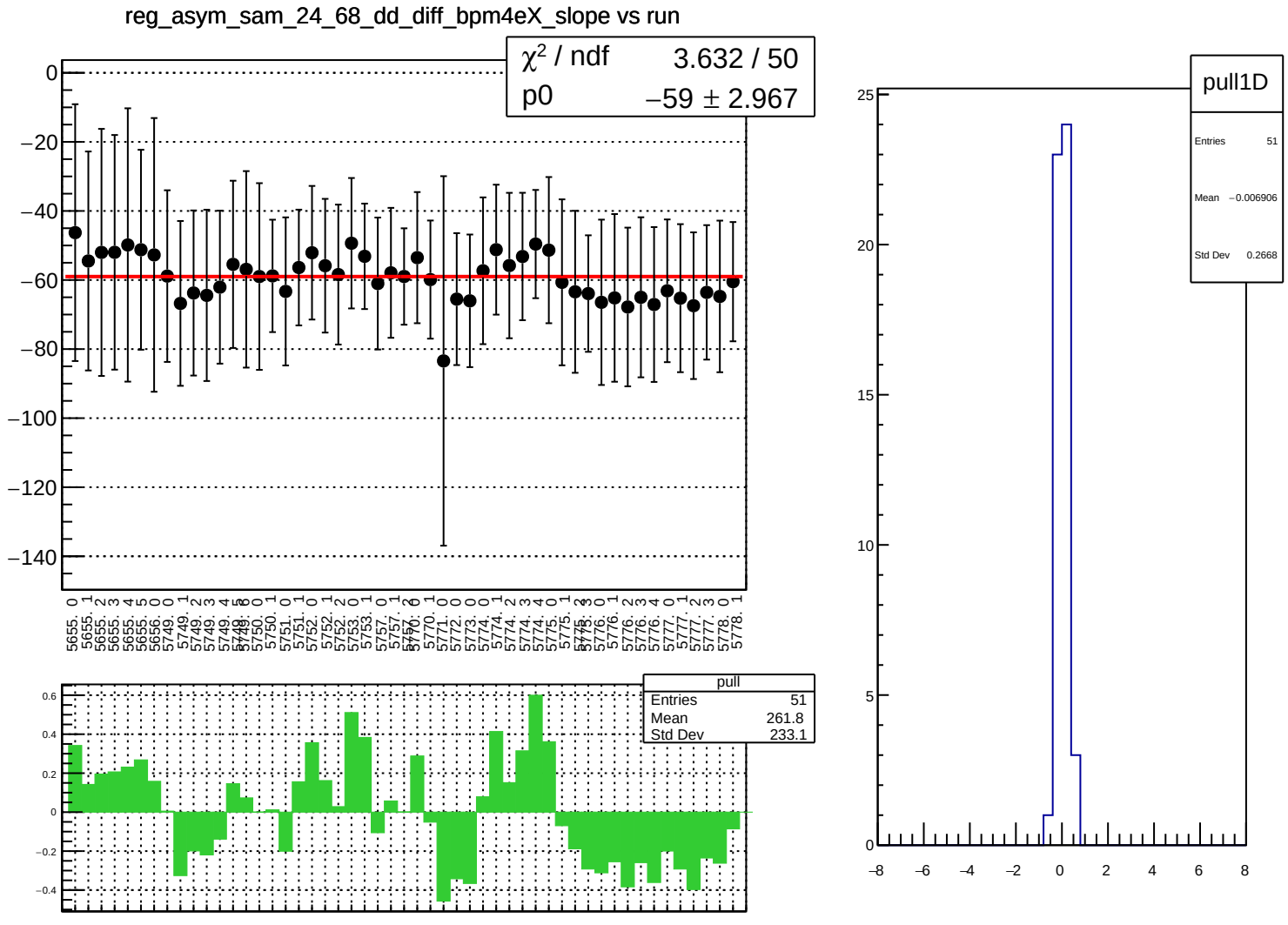

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.09 / 50
p0 0.5079 ± 0.03091
pull
Entries 51
Mean −895.3
Std Dev 918.7
pull1D
Entries 51
Mean 0.006255
Std Dev 0.5789

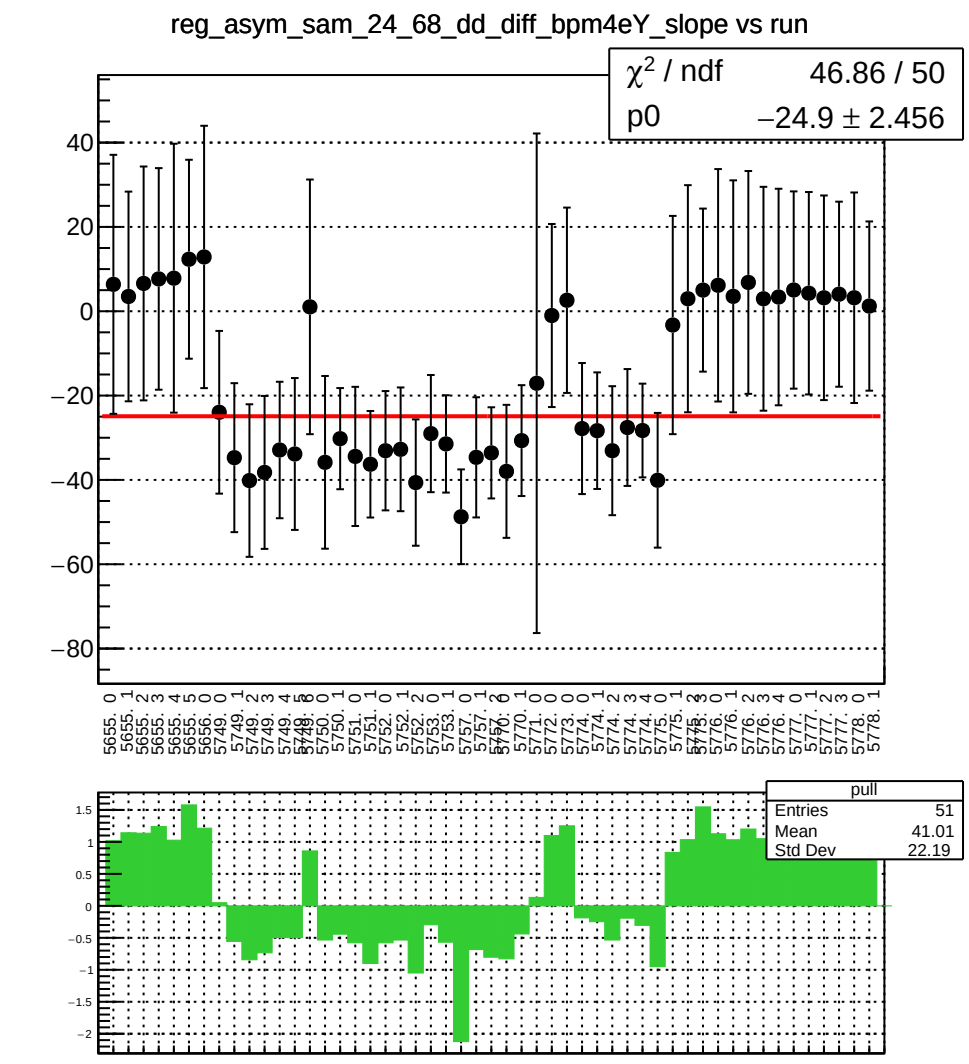

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.548 / 50
p0 −43.07 ± 2.298
pull
Entries 51
Mean −64.93
Std Dev 89.38

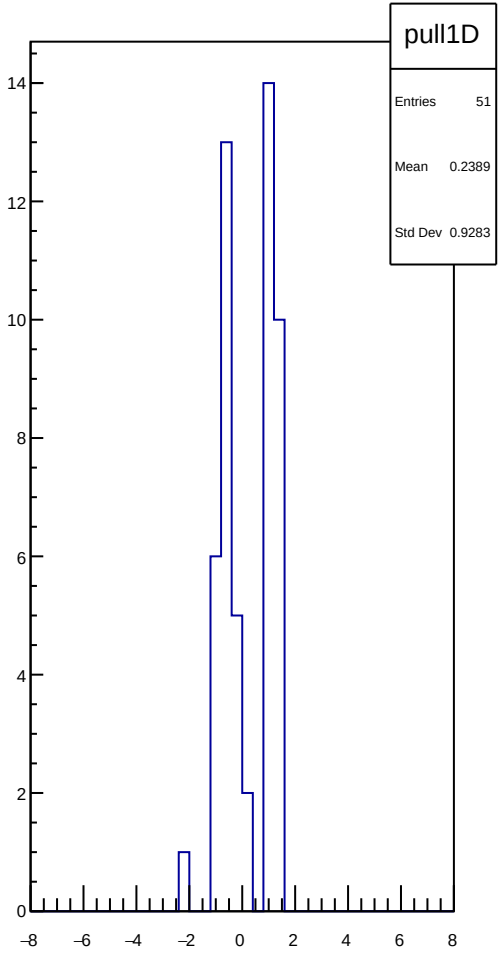

pull1D
Entries 51
Mean −0.0274
Std Dev 0.2974

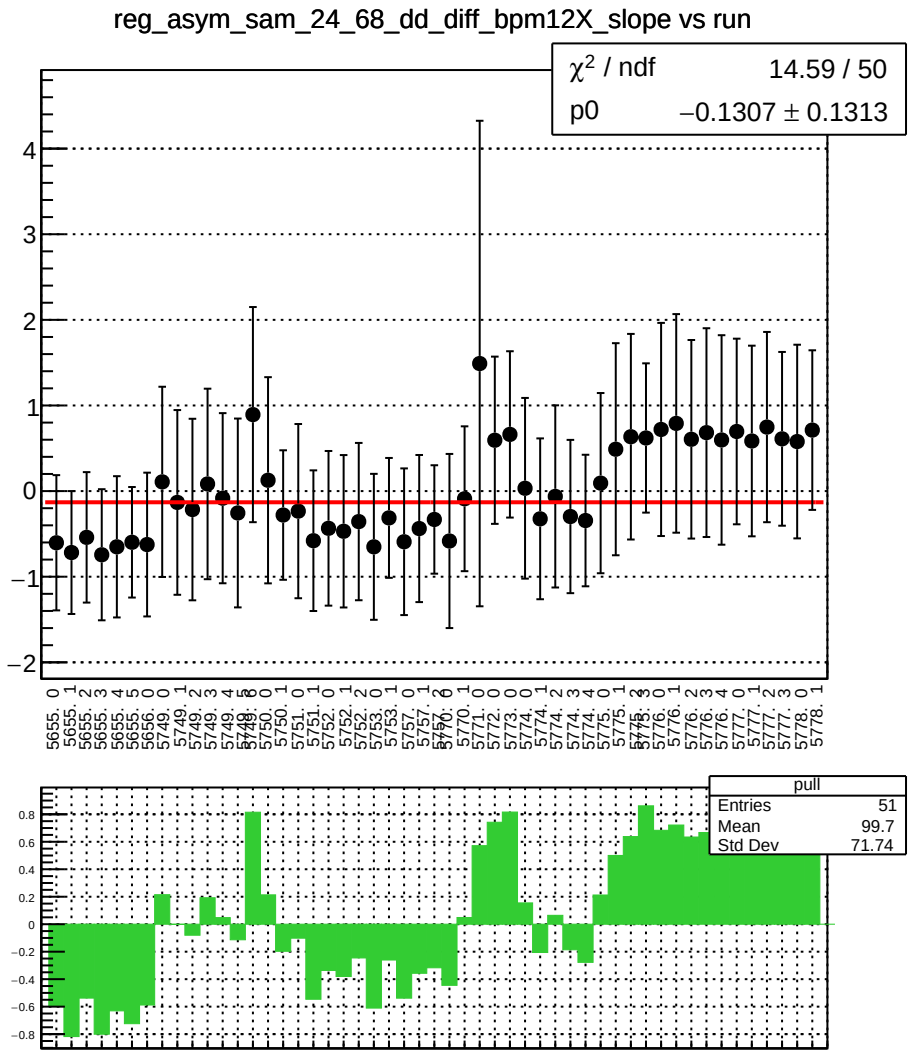

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.78 / 50
p0 −20.86 ± 2.299
pull
Entries 51
Mean 48.22
Std Dev 9.93

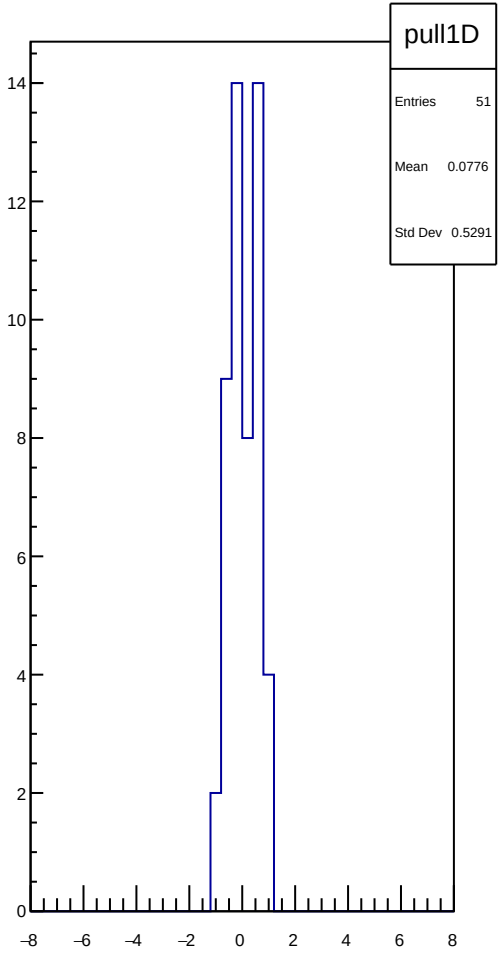

pull1D
Entries 51
Mean −0.2785
Std Dev 0.9684

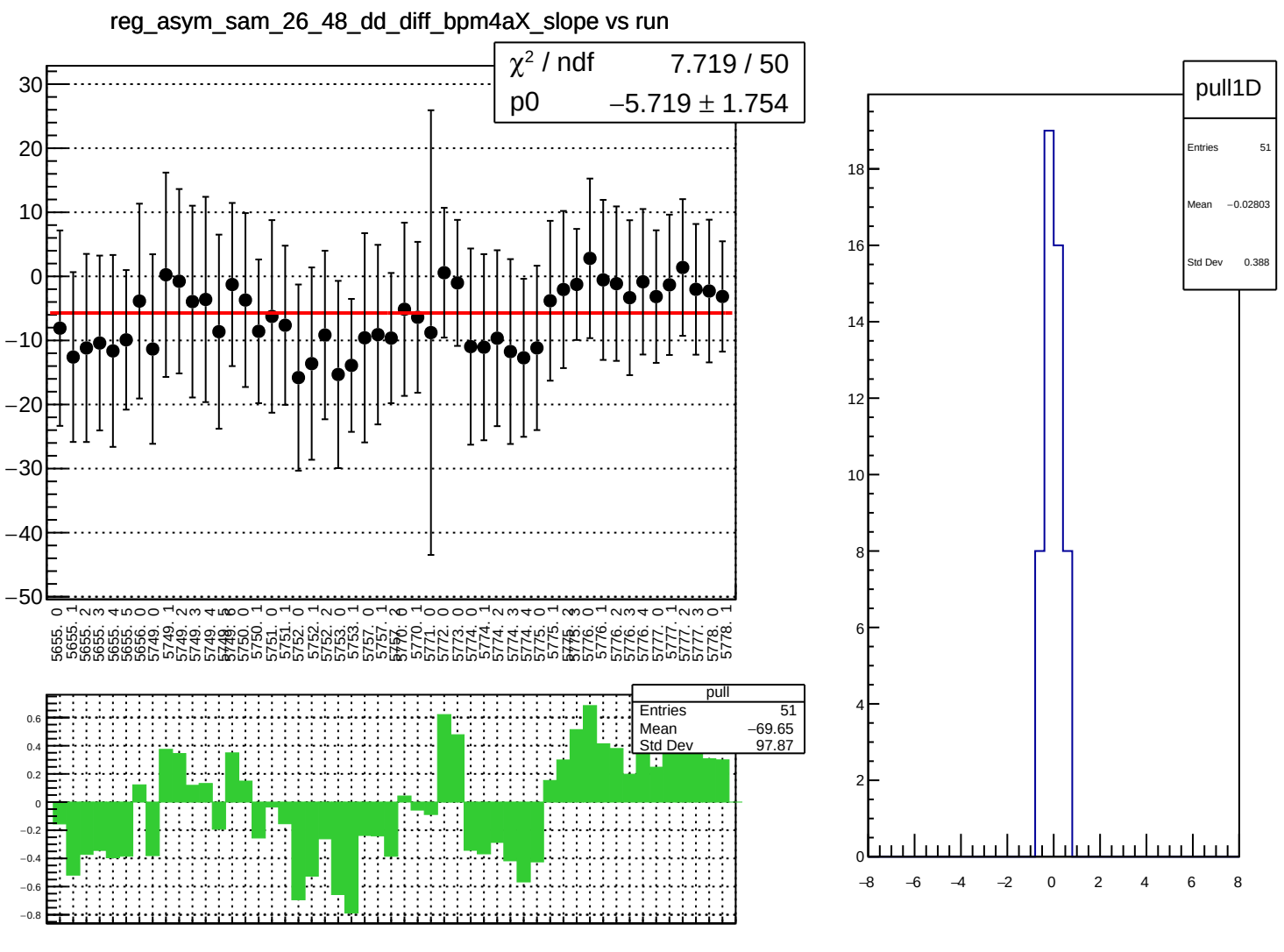

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.632 / 50
p0 −59 ± 2.967
pull
Entries 51
Mean 261.8
Std Dev 233.1
pull1D
Entries 51
Mean −0.006906
Std Dev 0.2668

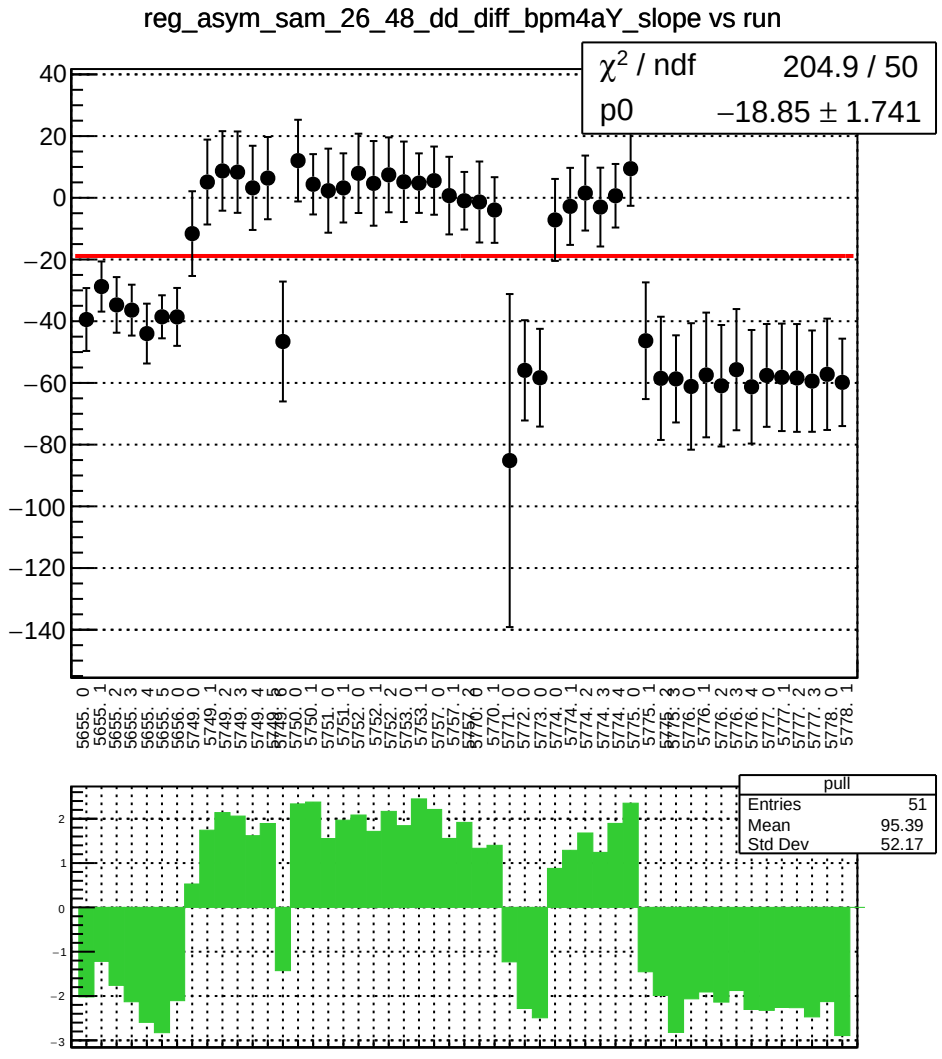

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.86 / 50
p0 −24.9 ± 2.456
pull
Entries 51
Mean 41.01
Std Dev 22.19

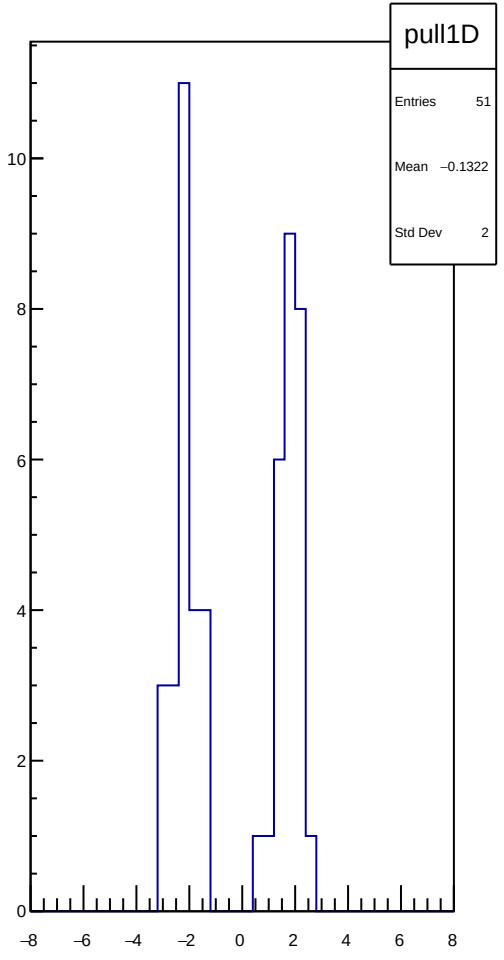

pull1D
Entries 51
Mean 0.2389
Std Dev 0.9283

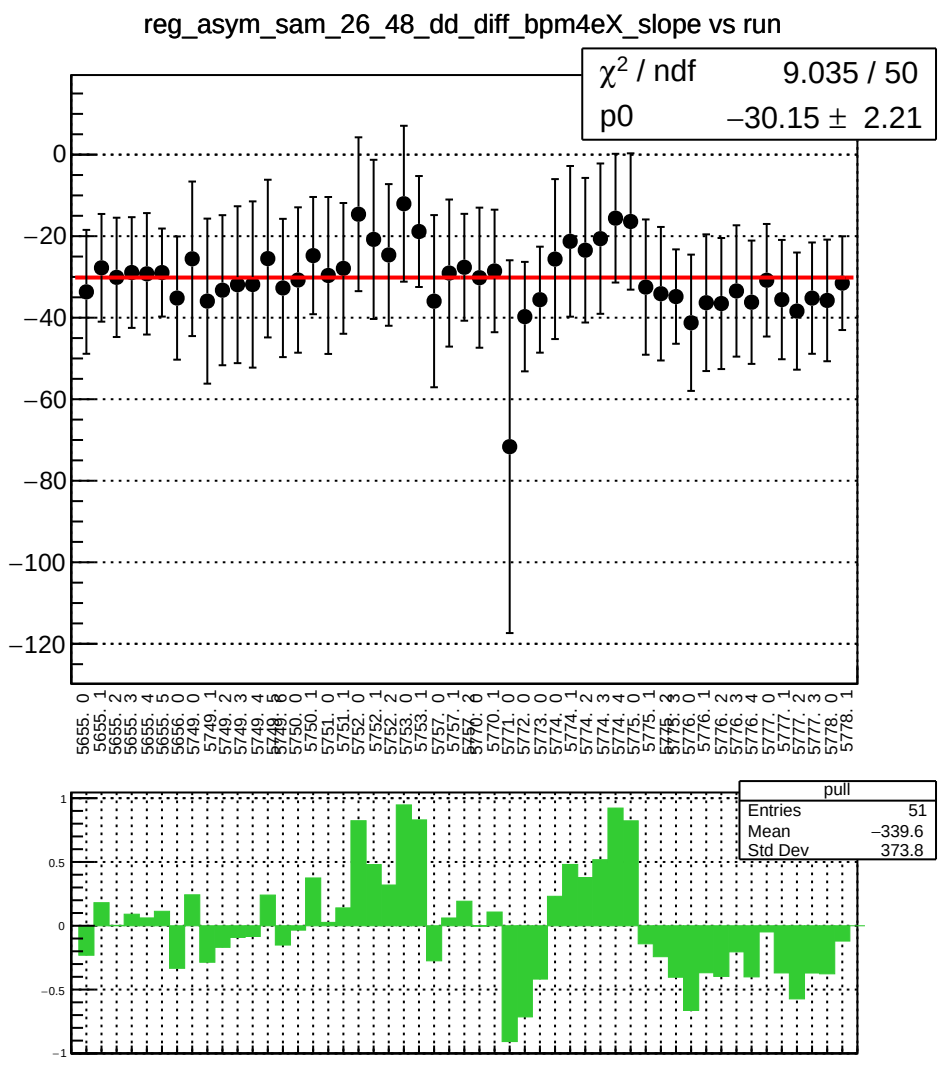

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 14.59 / 50
p0 −0.1307 ± 0.1313
pull
Entries 51
Mean 99.7
Std Dev 71.74

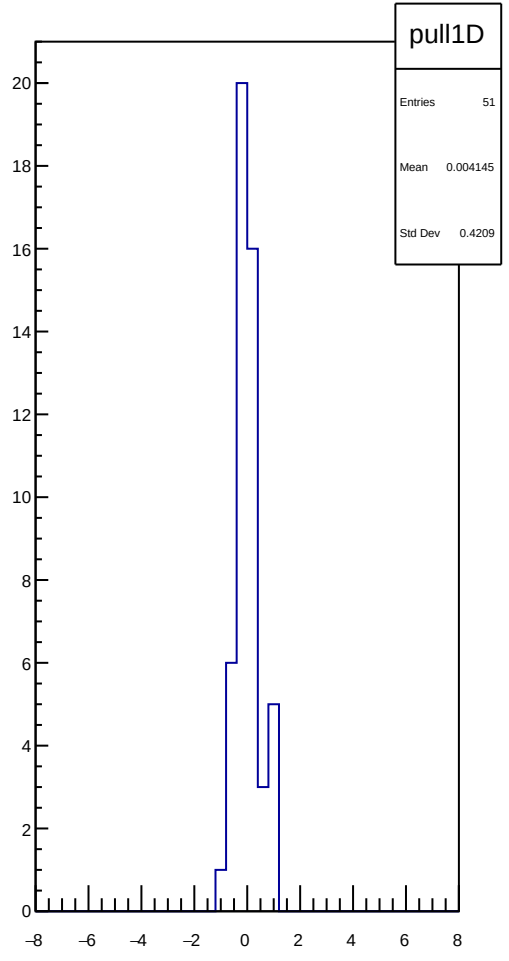

pull1D
Entries 51
Mean 0.0776
Std Dev 0.5291

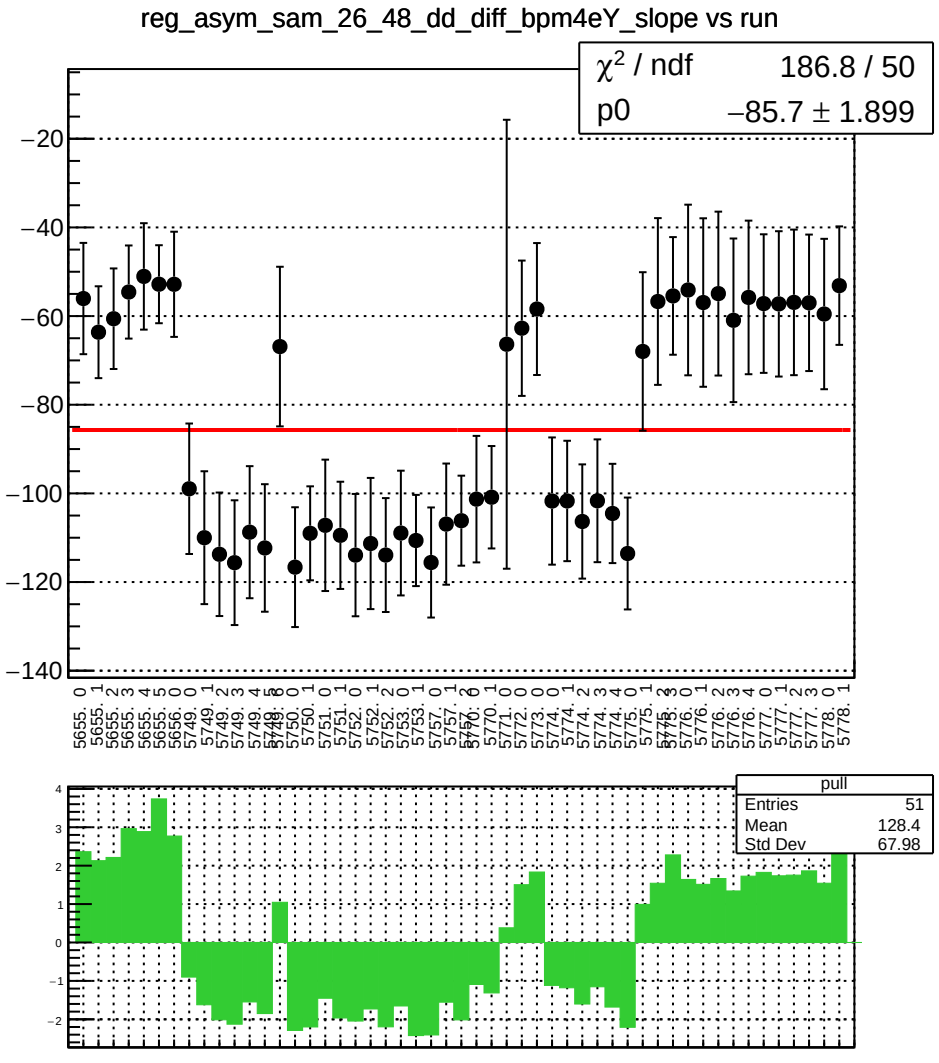

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.719 / 50
p0 −5.719 ± 1.754
pull
Entries 51
Mean −69.65
Std Dev 97.87
pull1D
Entries 51
Mean −0.02803
Std Dev 0.388

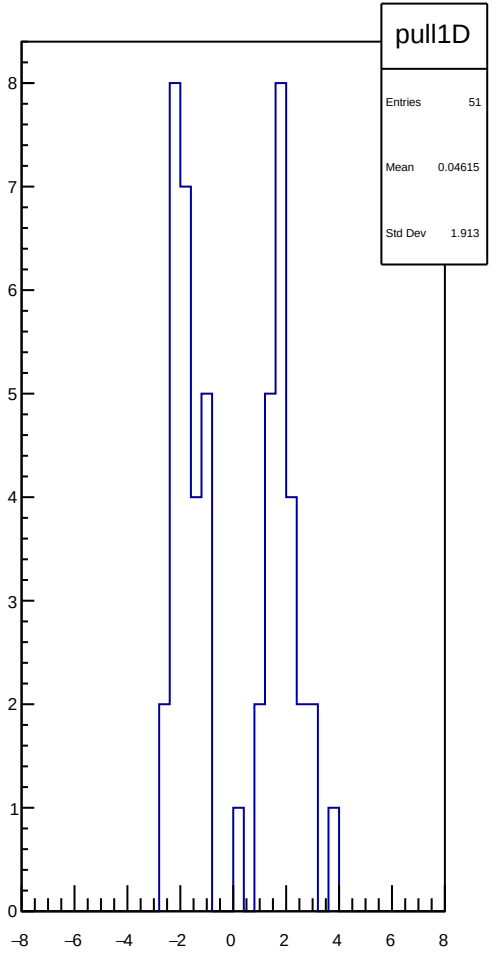

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 204.9 / 50
p0 −18.85 ± 1.741
pull
Entries 51
Mean 95.39
Std Dev 52.17

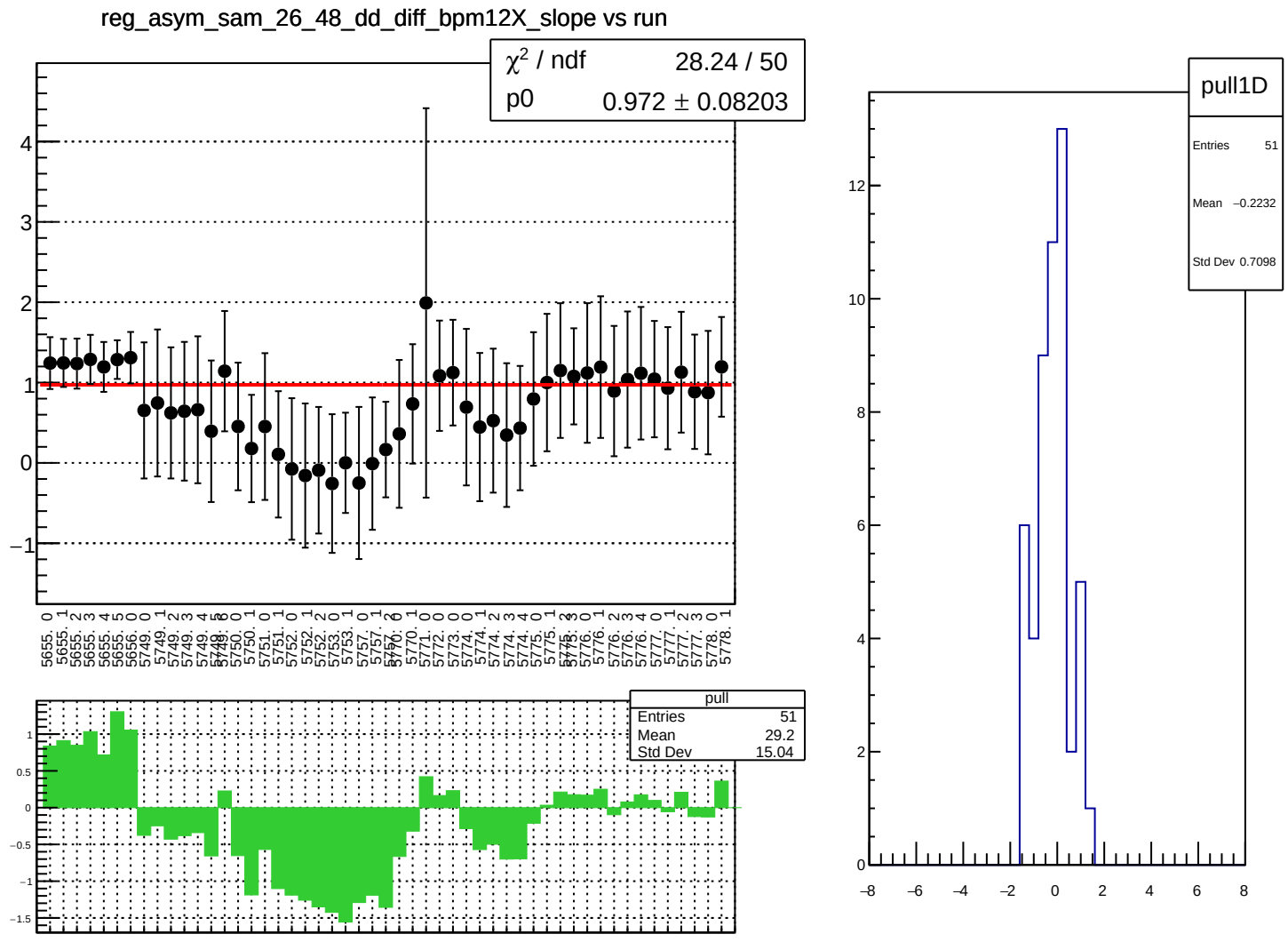

pull1D
Entries 51
Mean −0.1322
Std Dev 2

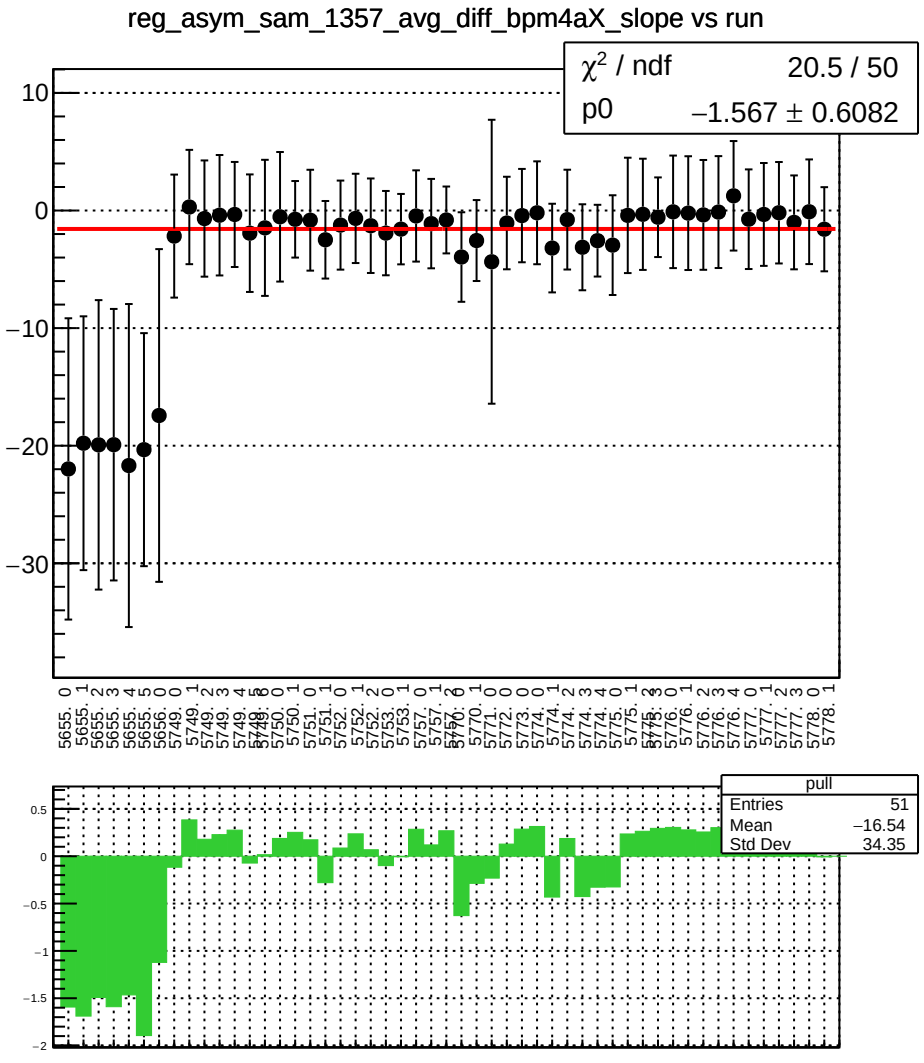

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.035 / 50
p0 −30.15 ± 2.21
pull
Entries 51
Mean −339.6
Std Dev 373.8

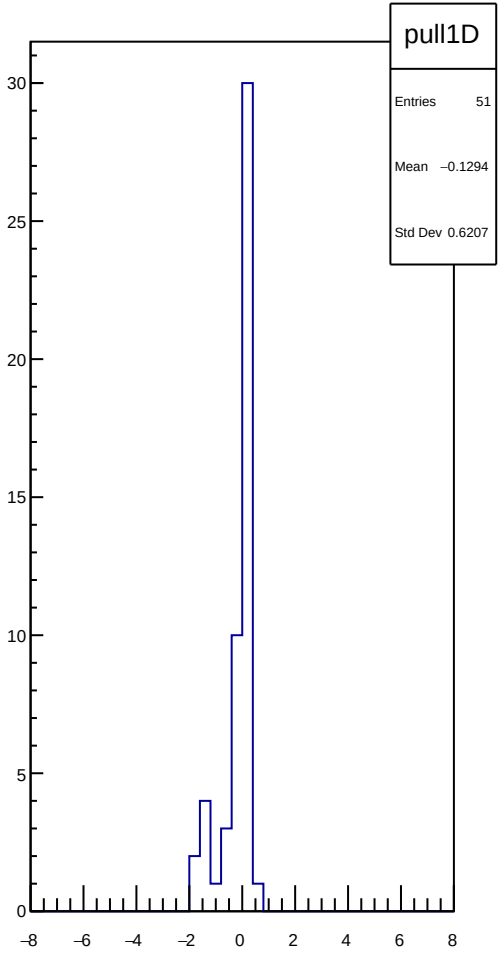

pull1D
Entries 51
Mean 0.004145
Std Dev 0.4209

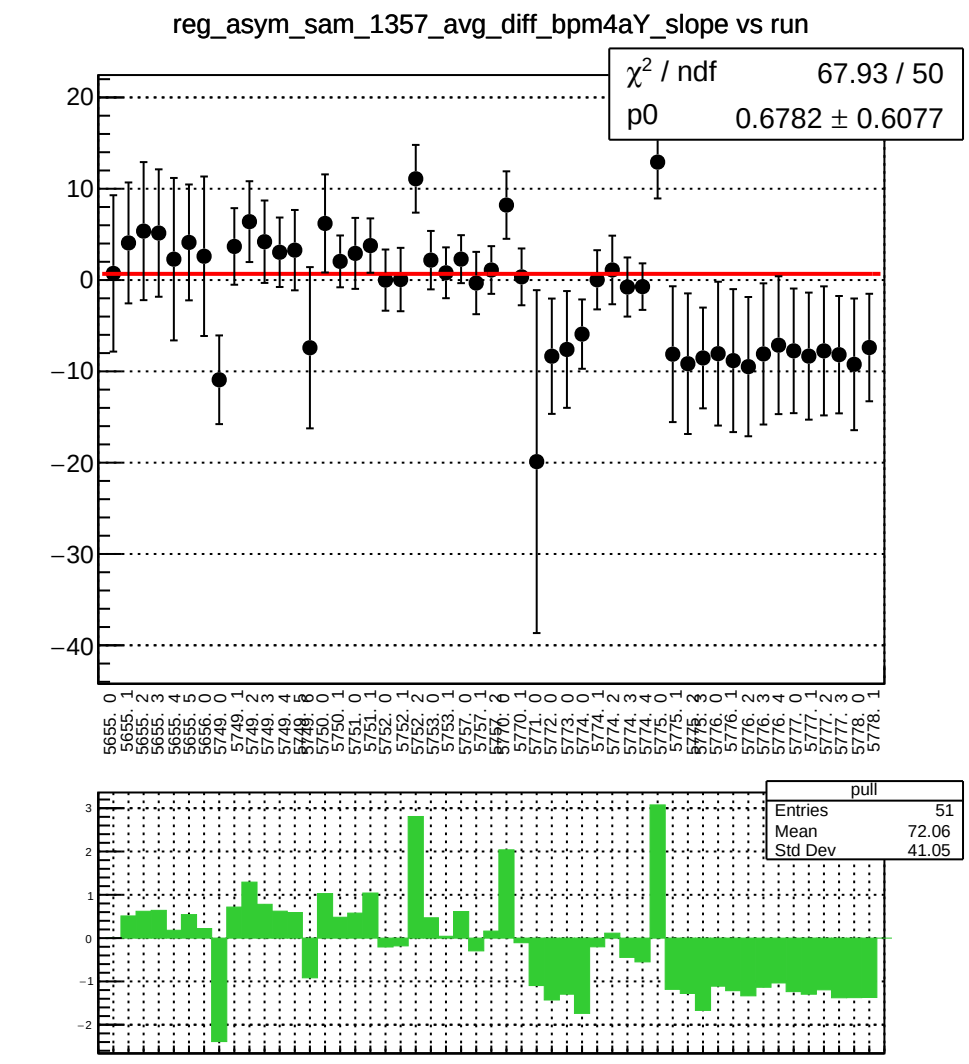

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 186.8 / 50
p0 −85.7 ± 1.899
pull
Entries 51
Mean 128.4
Std Dev 67.98

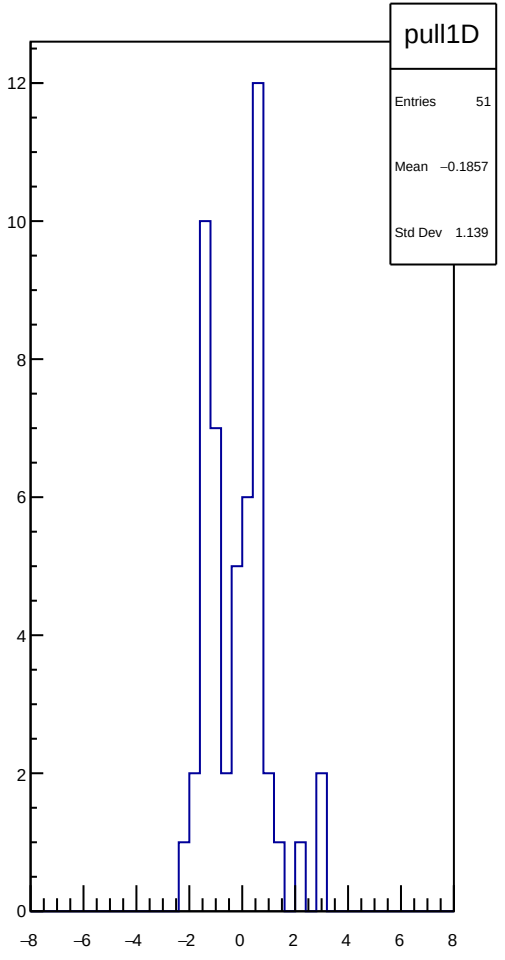

pull1D
Entries 51
Mean 0.04615
Std Dev 1.913

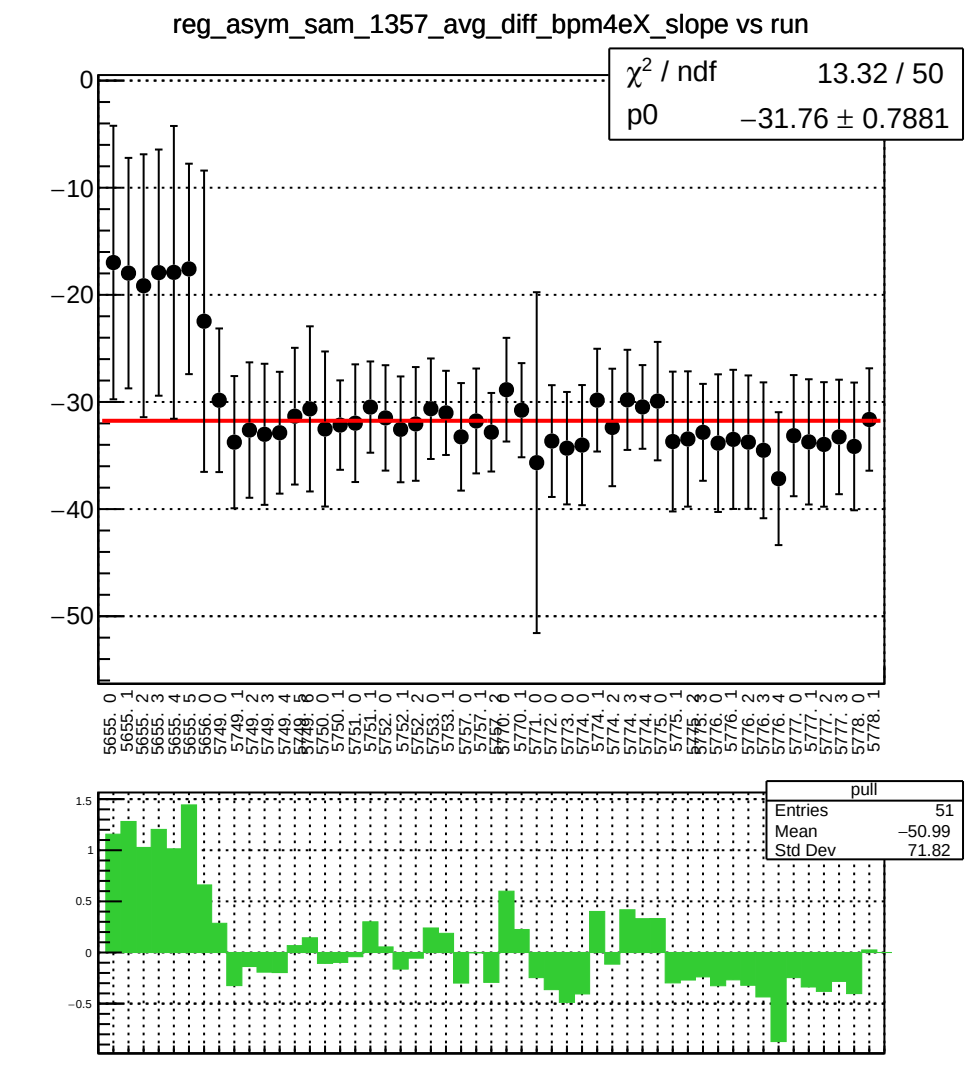

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 28.24 / 50
p0 0.972 ± 0.08203
pull
Entries 51
Mean 29.2
Std Dev 15.04
pull1D
Entries 51
Mean −0.2232
Std Dev 0.7098

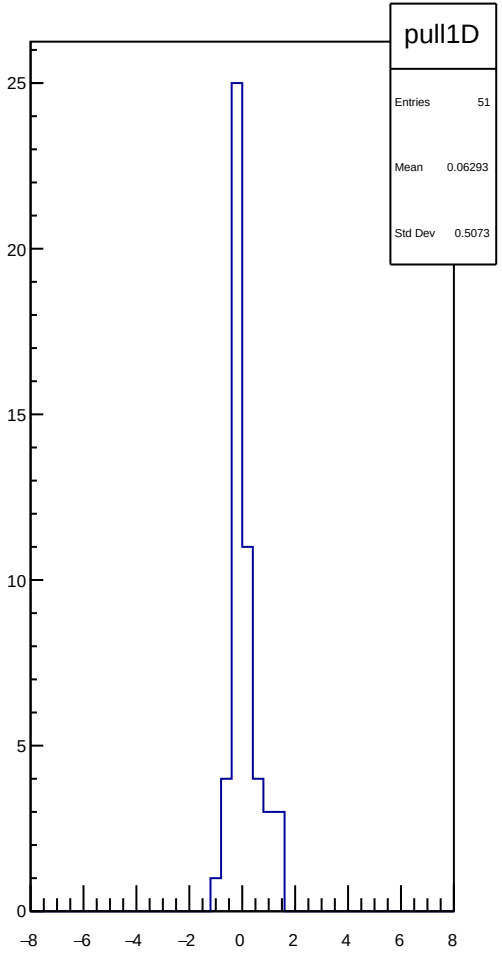

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.5 / 50
p0 −1.567 ± 0.6082
pull
Entries 51
Mean −16.54
Std Dev 34.35

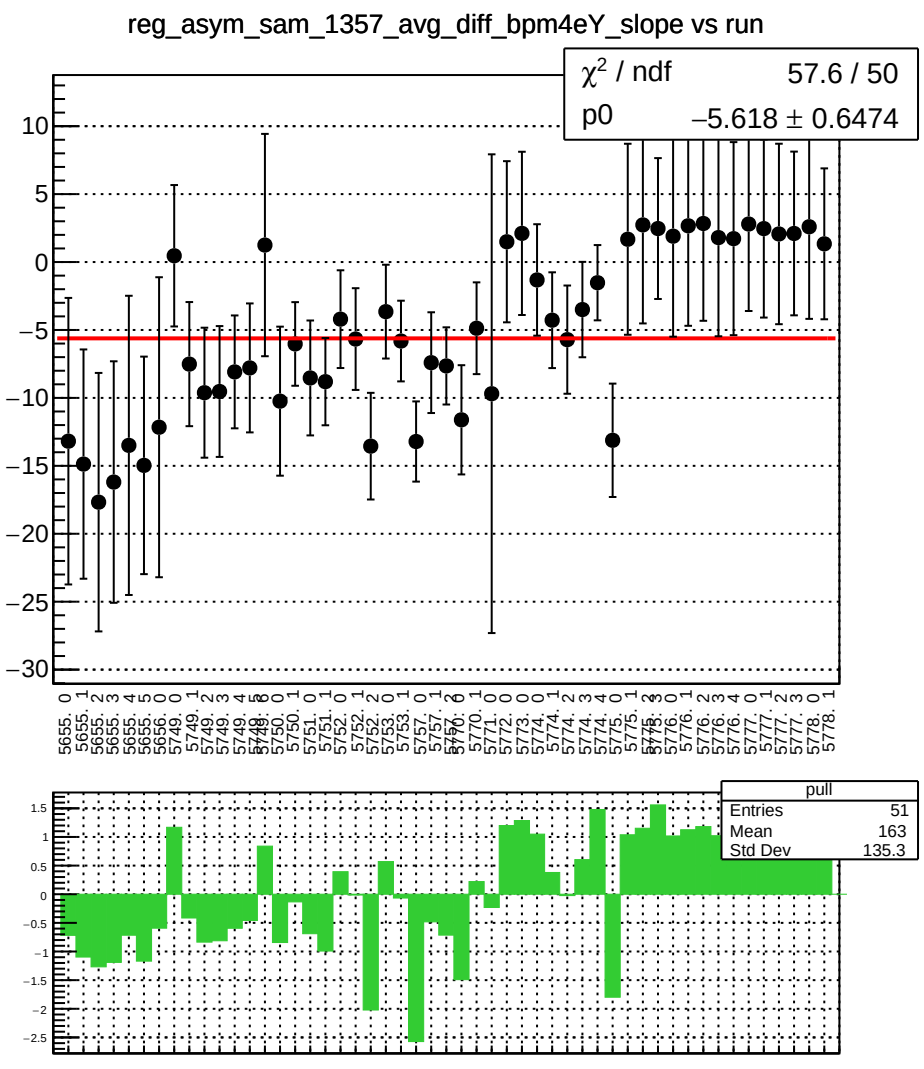

pull1D
Entries 51
Mean −0.1294
Std Dev 0.6207

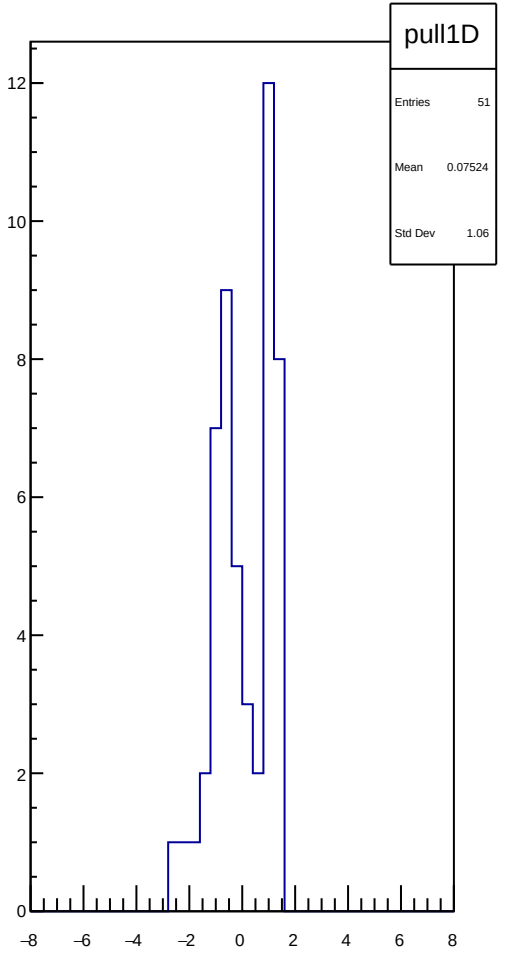

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.93 / 50
p0 0.6782 ± 0.6077
pull
Entries 51
Mean 72.06
Std Dev 41.05

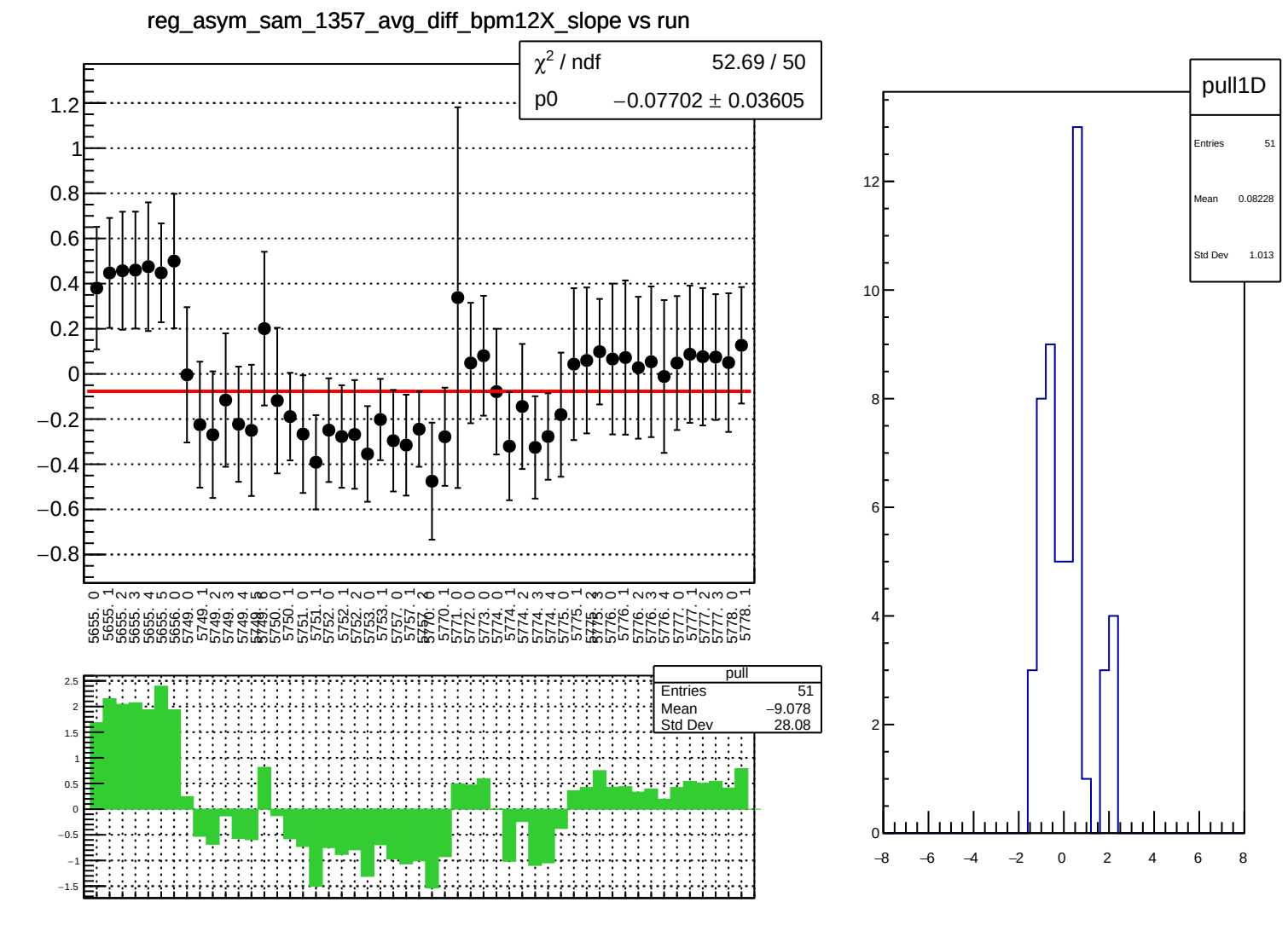

pull1D
Entries 51
Mean −0.1857
Std Dev 1.139

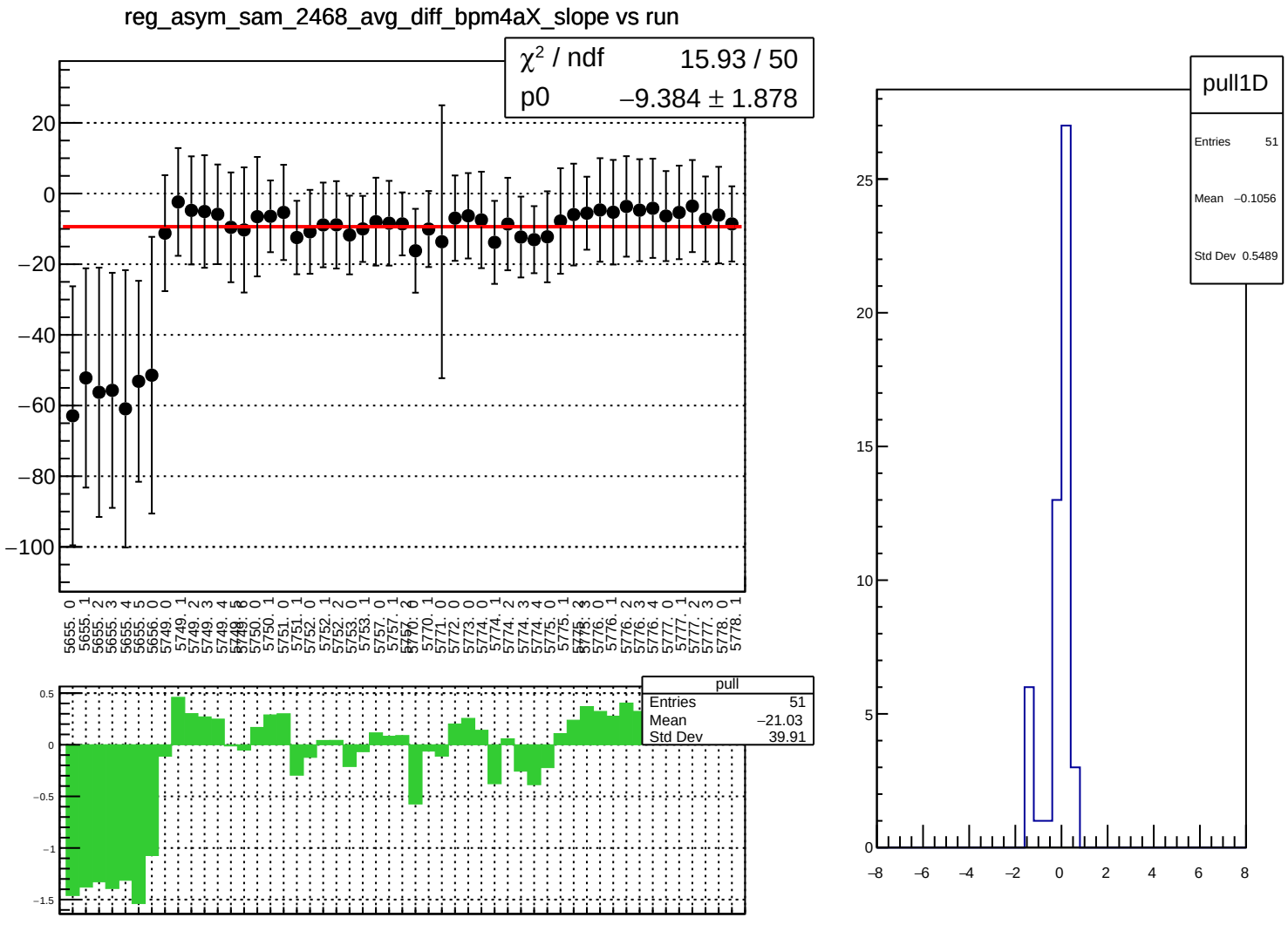

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.32 / 50
p0 −31.76 ± 0.7881
pull
Entries 51
Mean −50.99
Std Dev 71.82

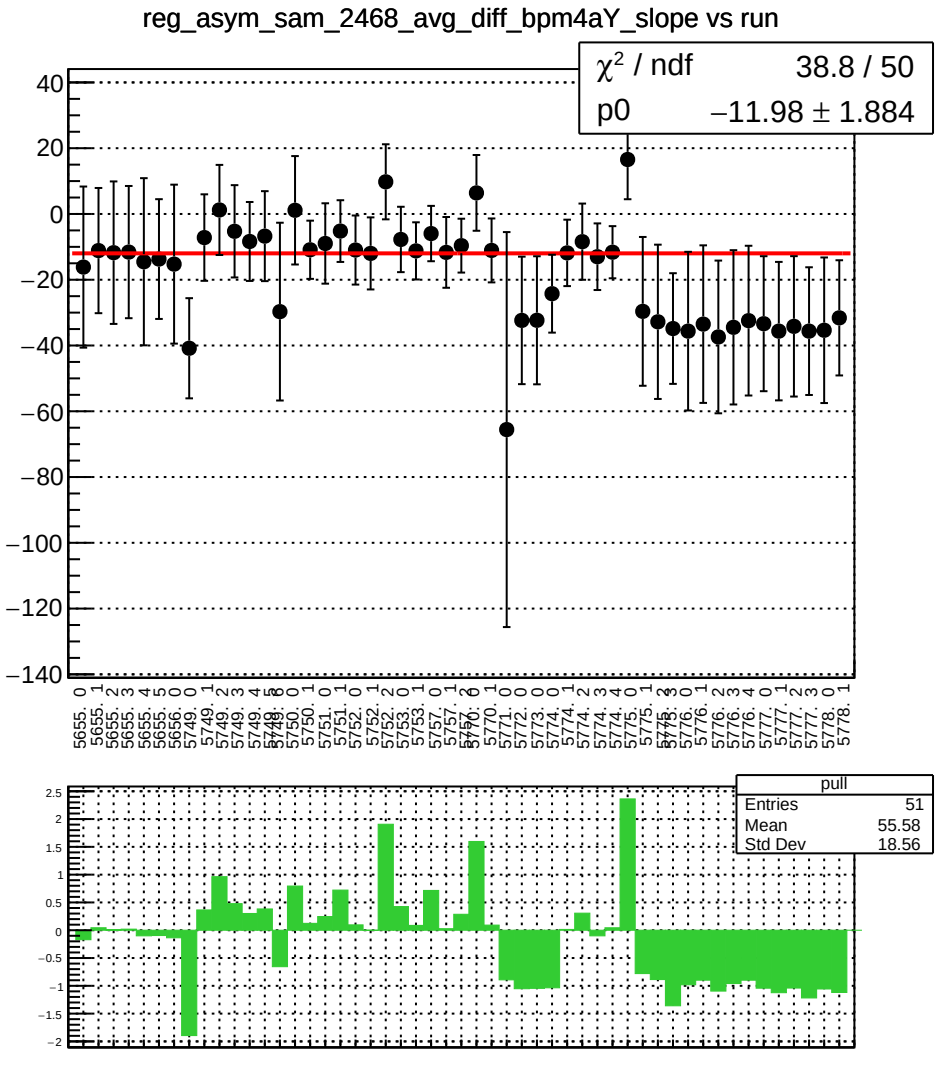

pull1D
Entries 51
Mean 0.06293
Std Dev 0.5073

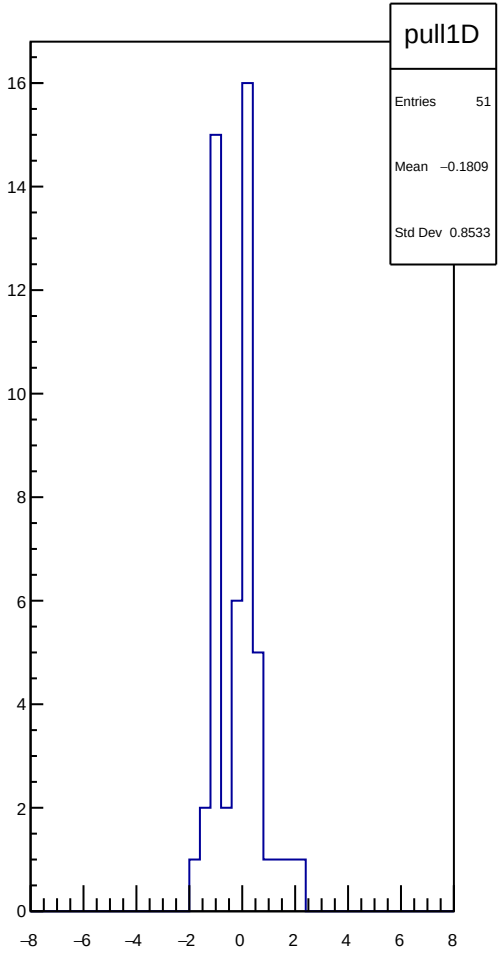

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.6 / 50
p0 −5.618 ± 0.6474
pull
Entries 51
Mean 163
Std Dev 135.3

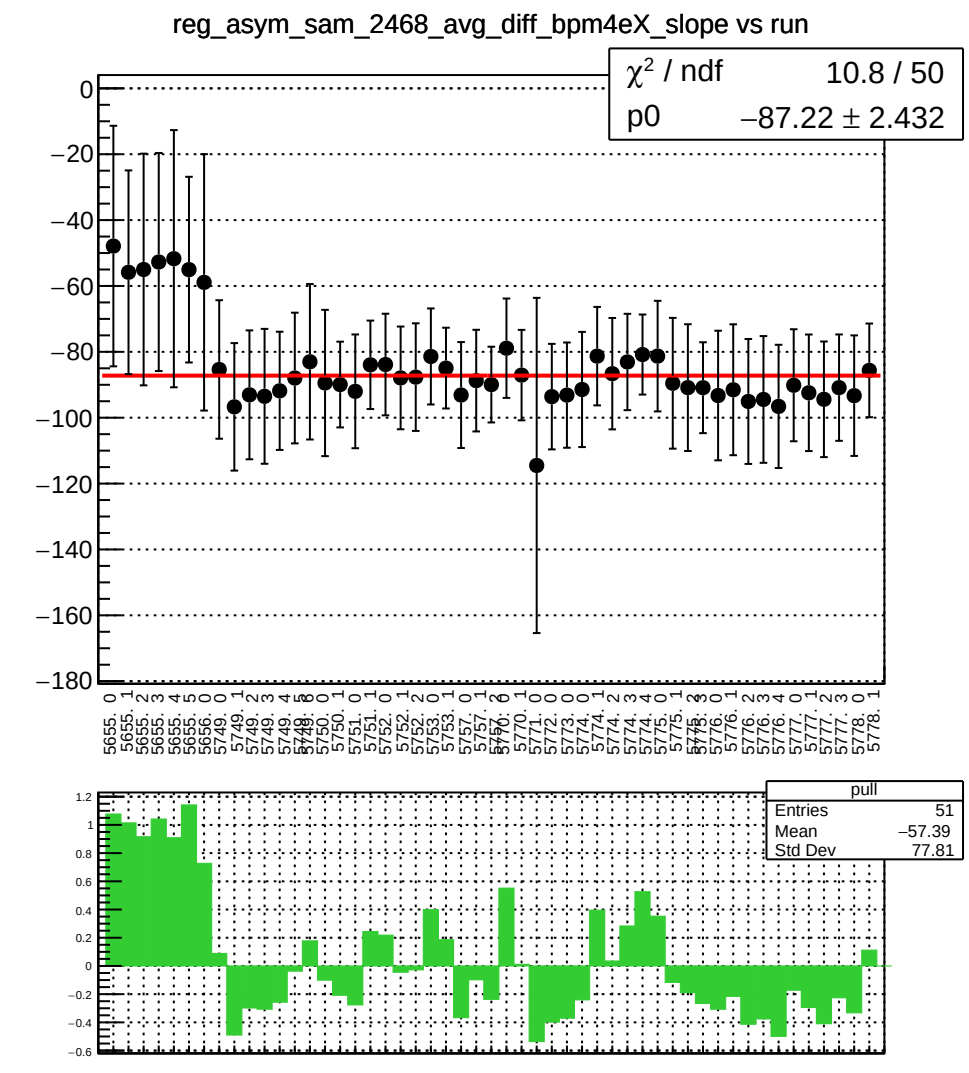

pull1D
Entries 51
Mean 0.07524
Std Dev 1.06

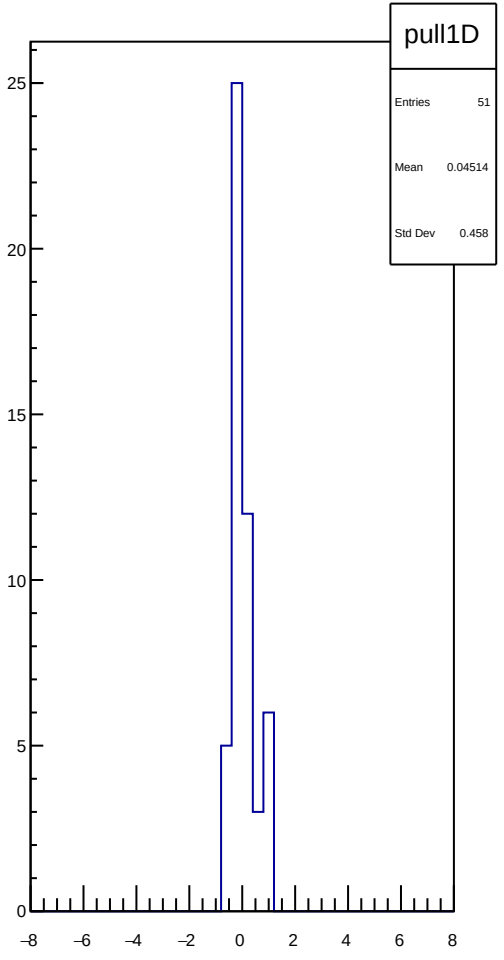

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 52.69 / 50
p0 −0.07702 ± 0.03605
pull
Entries 51
Mean −9.078
Std Dev 28.08
pull1D
Entries 51
Mean 0.08228
Std Dev 1.013

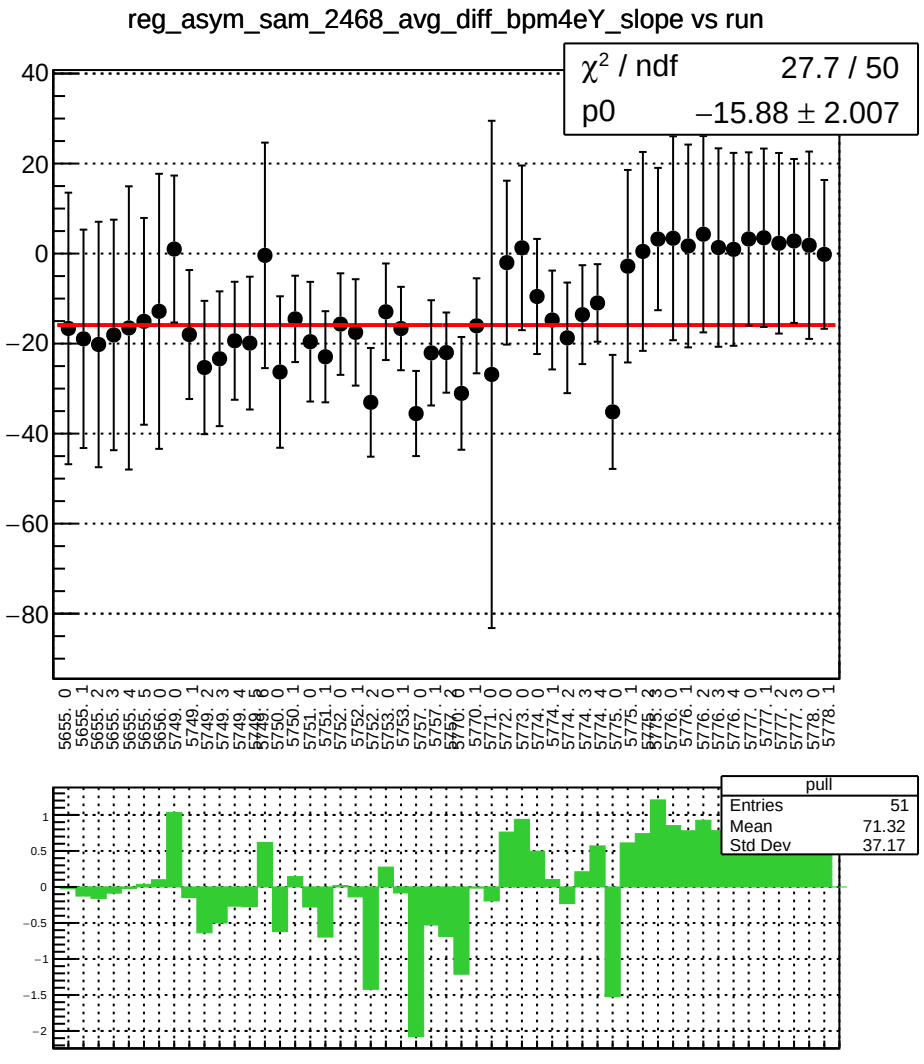

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.93 / 50
p0 −9.384 ± 1.878
pull
Entries 51
Mean −21.03
Std Dev 39.91
pull1D
Entries 51
Mean −0.1056
Std Dev 0.5489

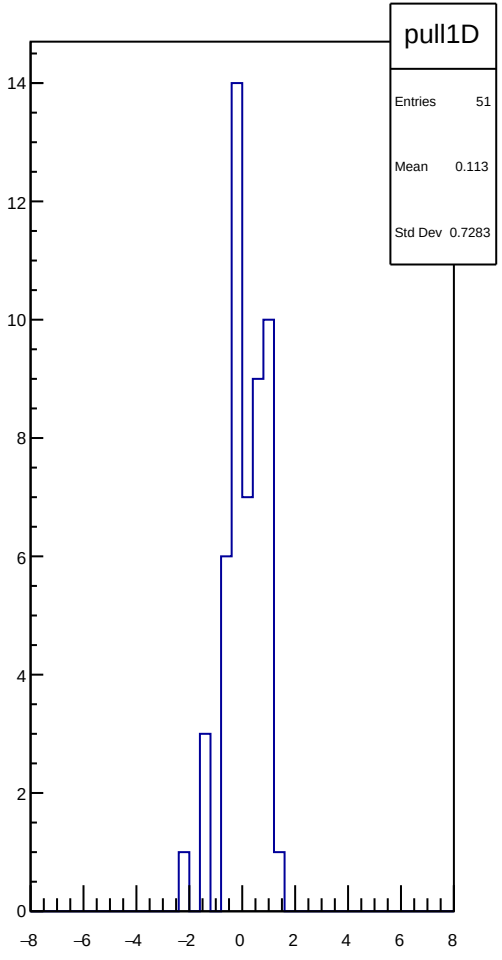

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.8 / 50
p0 −11.98 ± 1.884
pull
Entries 51
Mean 55.58
Std Dev 18.56

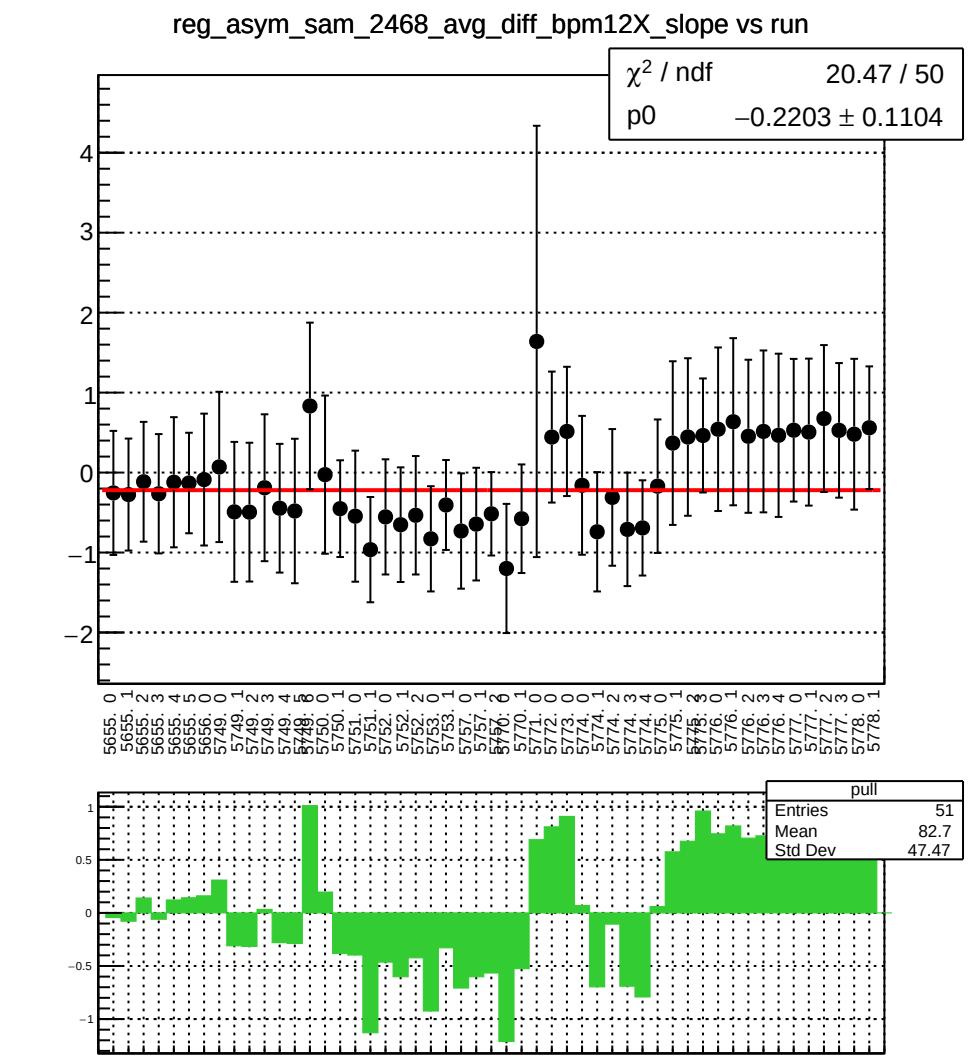

pull1D
Entries 51
Mean −0.1809
Std Dev 0.8533

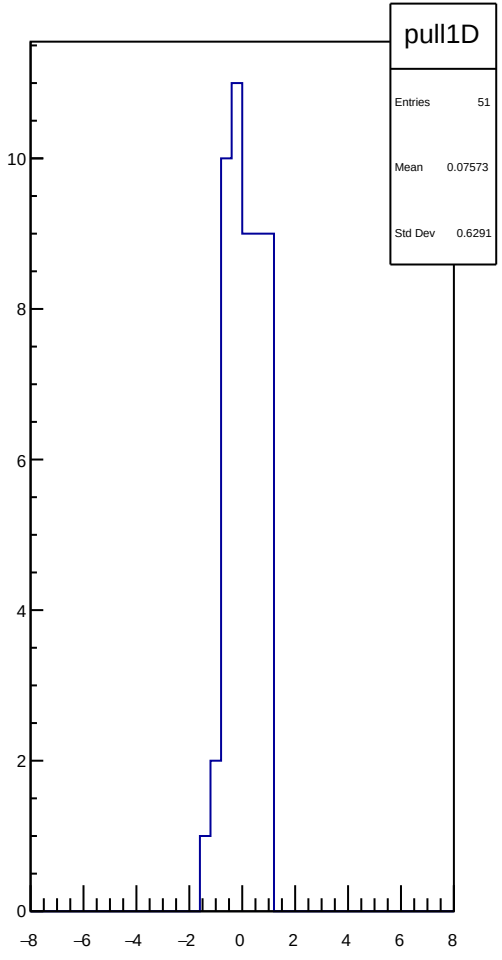

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.8 / 50
p0 −87.22 ± 2.432
pull
Entries 51
Mean −57.39
Std Dev 77.81

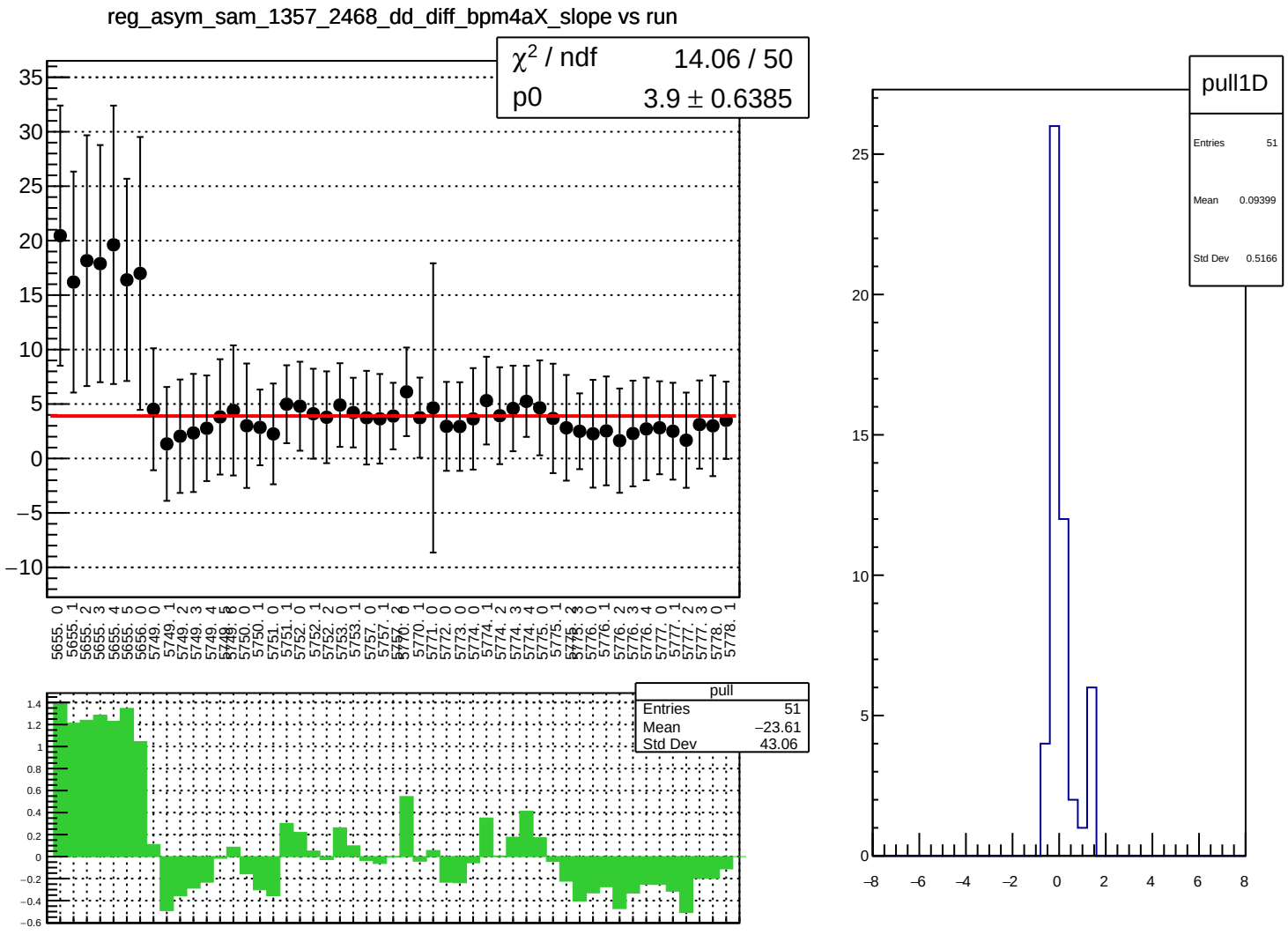

pull1D
Entries 51
Mean 0.04514
Std Dev 0.458

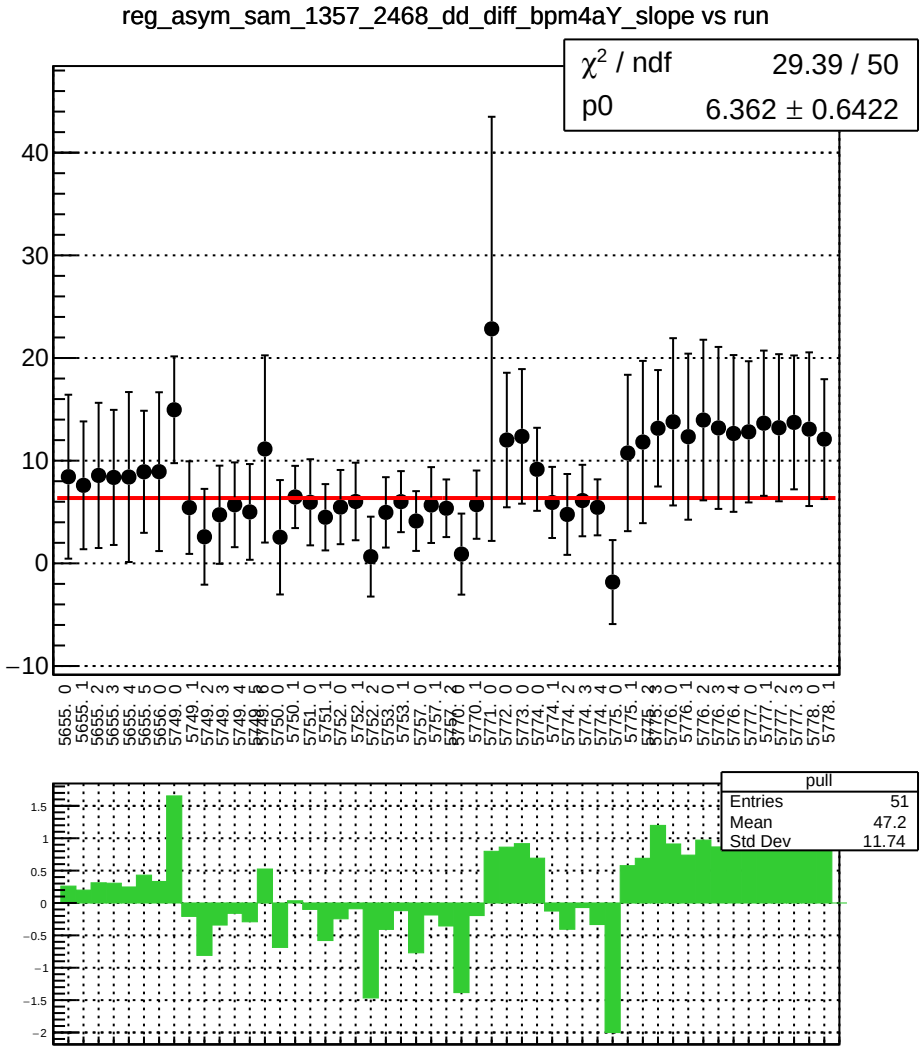

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.7 / 50
p0 −15.88 ± 2.007
pull
Entries 51
Mean 71.32
Std Dev 37.17

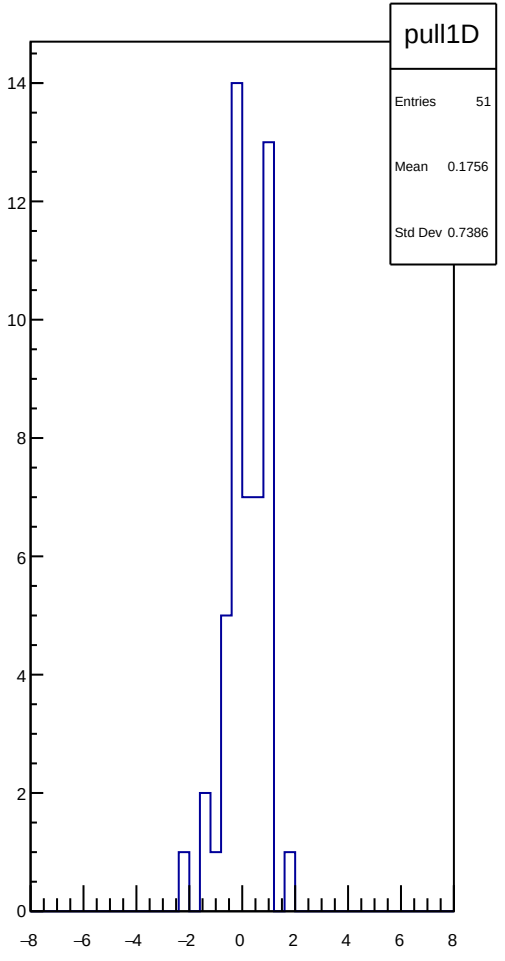

pull1D
Entries 51
Mean 0.113
Std Dev 0.7283

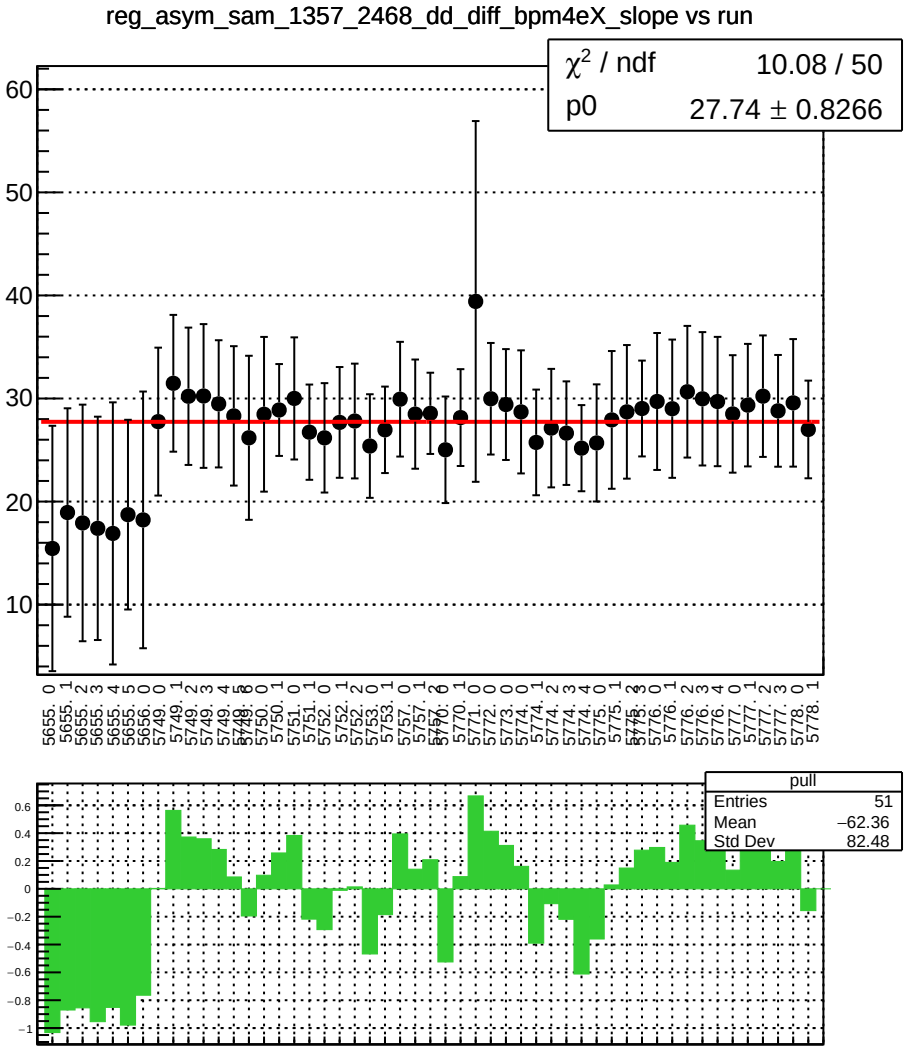

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 20.47 / 50
p0 −0.2203 ± 0.1104
pull
Entries 51
Mean 82.7
Std Dev 47.47

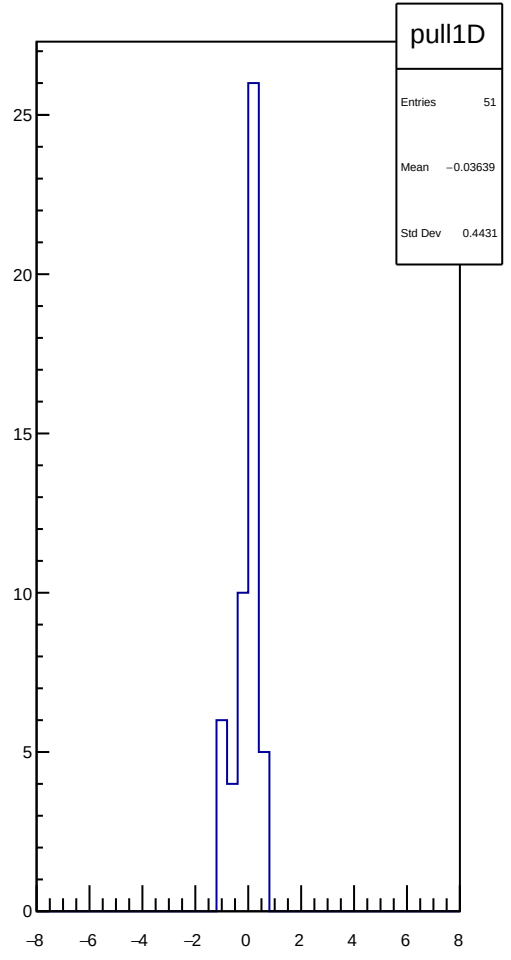

pull1D
Entries 51
Mean 0.07573
Std Dev 0.6291

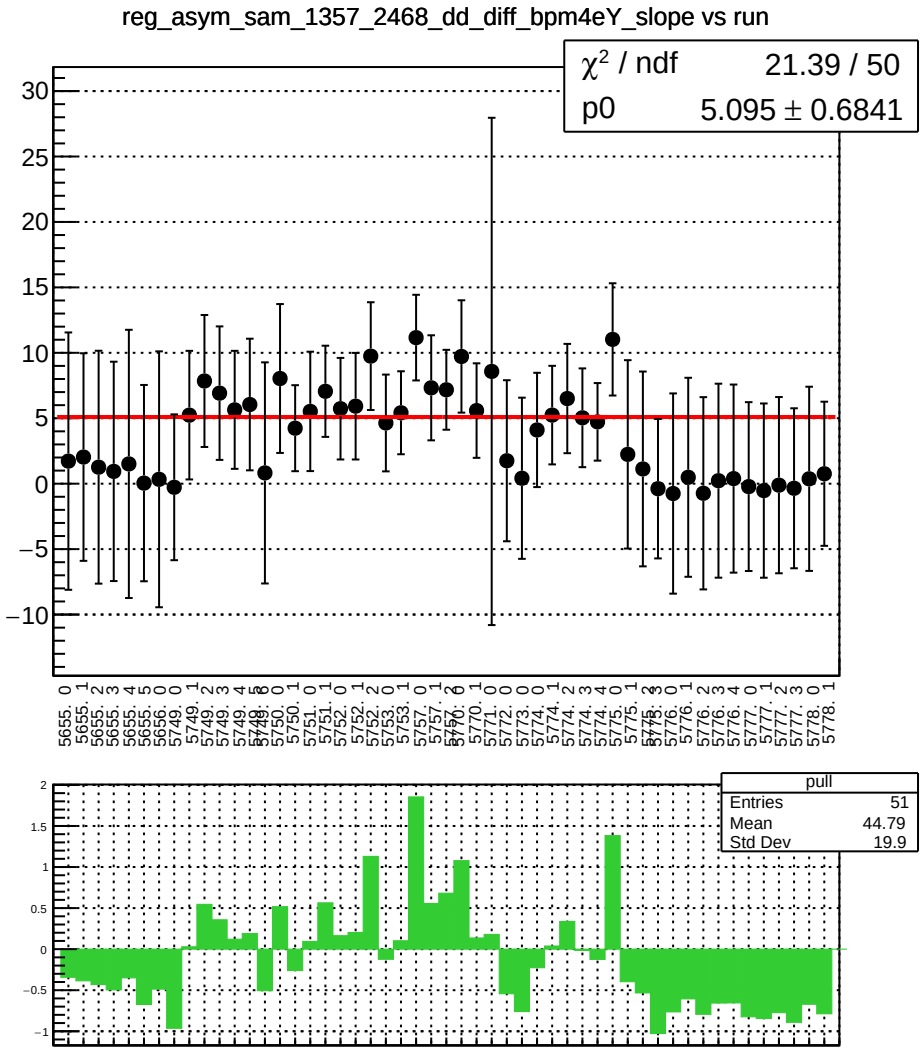

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.06 / 50
p0 3.9 ± 0.6385
pull
Entries 51
Mean −23.61
Std Dev 43.06
pull1D
Entries 51
Mean 0.09399
Std Dev 0.5166

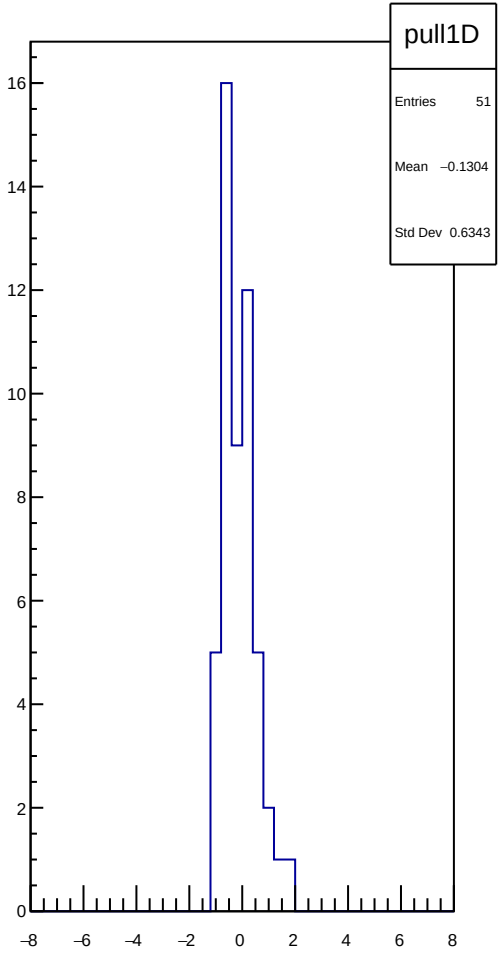

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.39 / 50
p0 6.362 ± 0.6422
pull
Entries 51
Mean 47.2
Std Dev 11.74

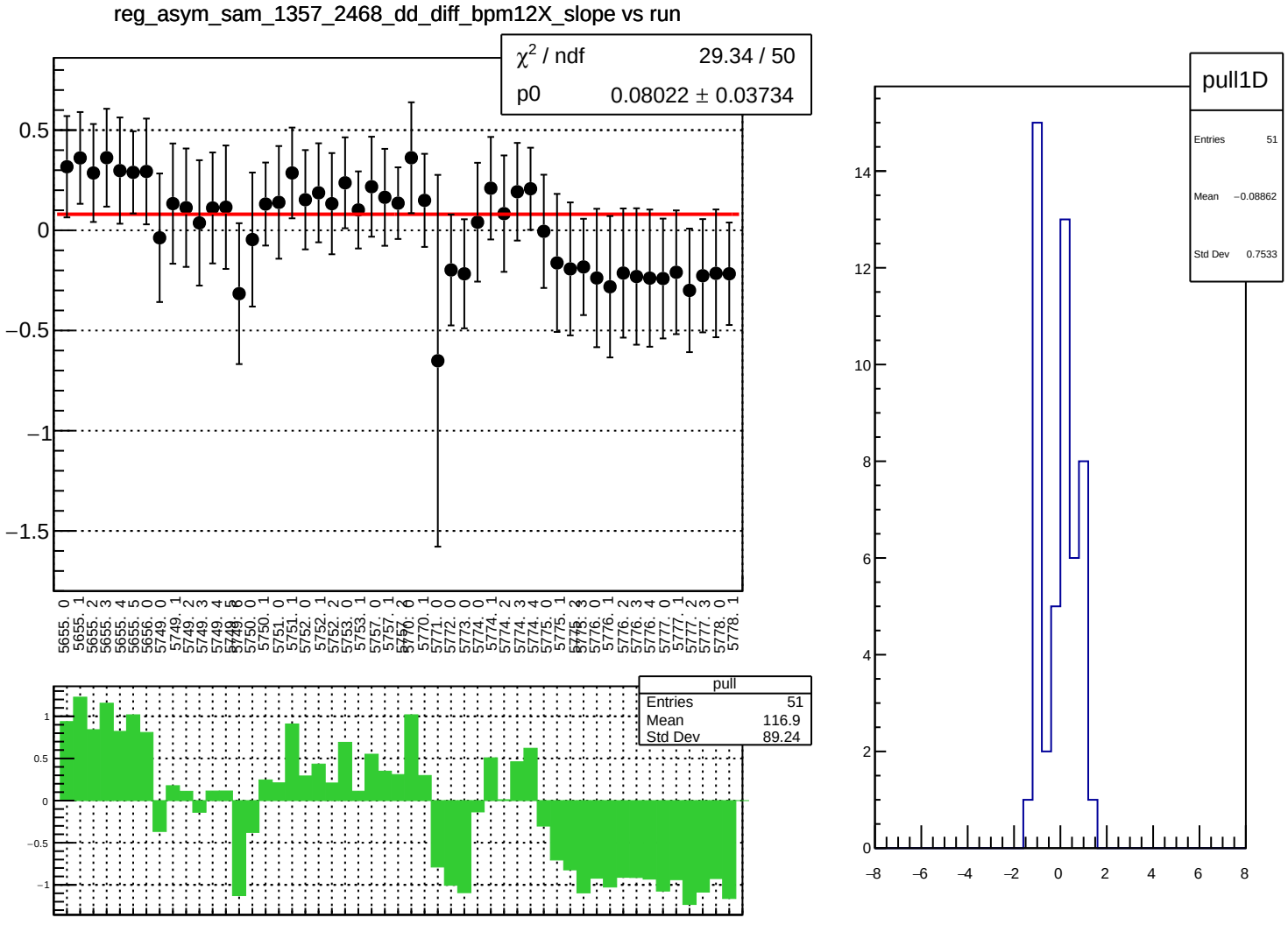

pull1D
Entries 51
Mean 0.1756
Std Dev 0.7386

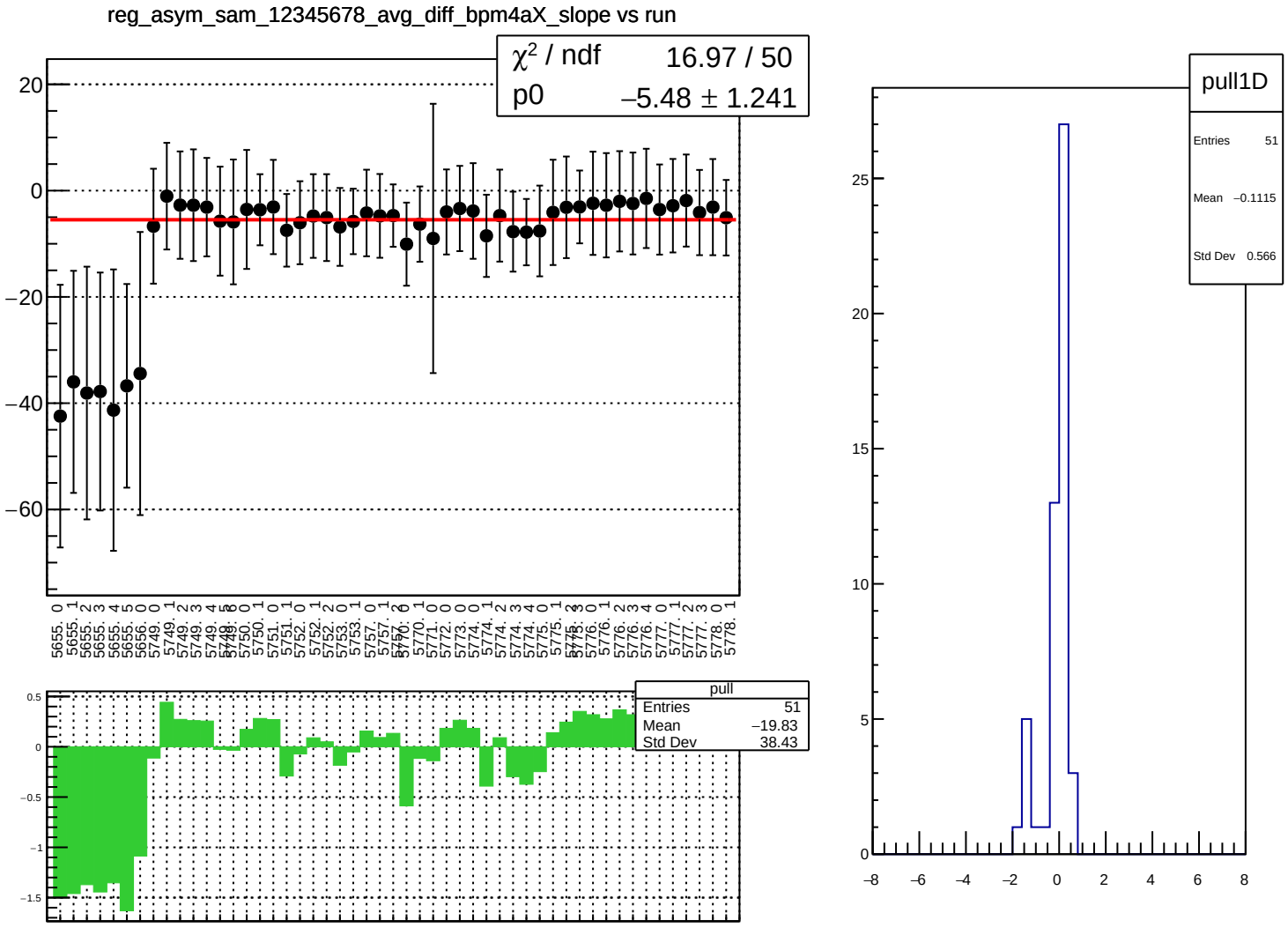

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.08 / 50
p0 27.74 ± 0.8266
pull
Entries 51
Mean −62.36
Std Dev 82.48

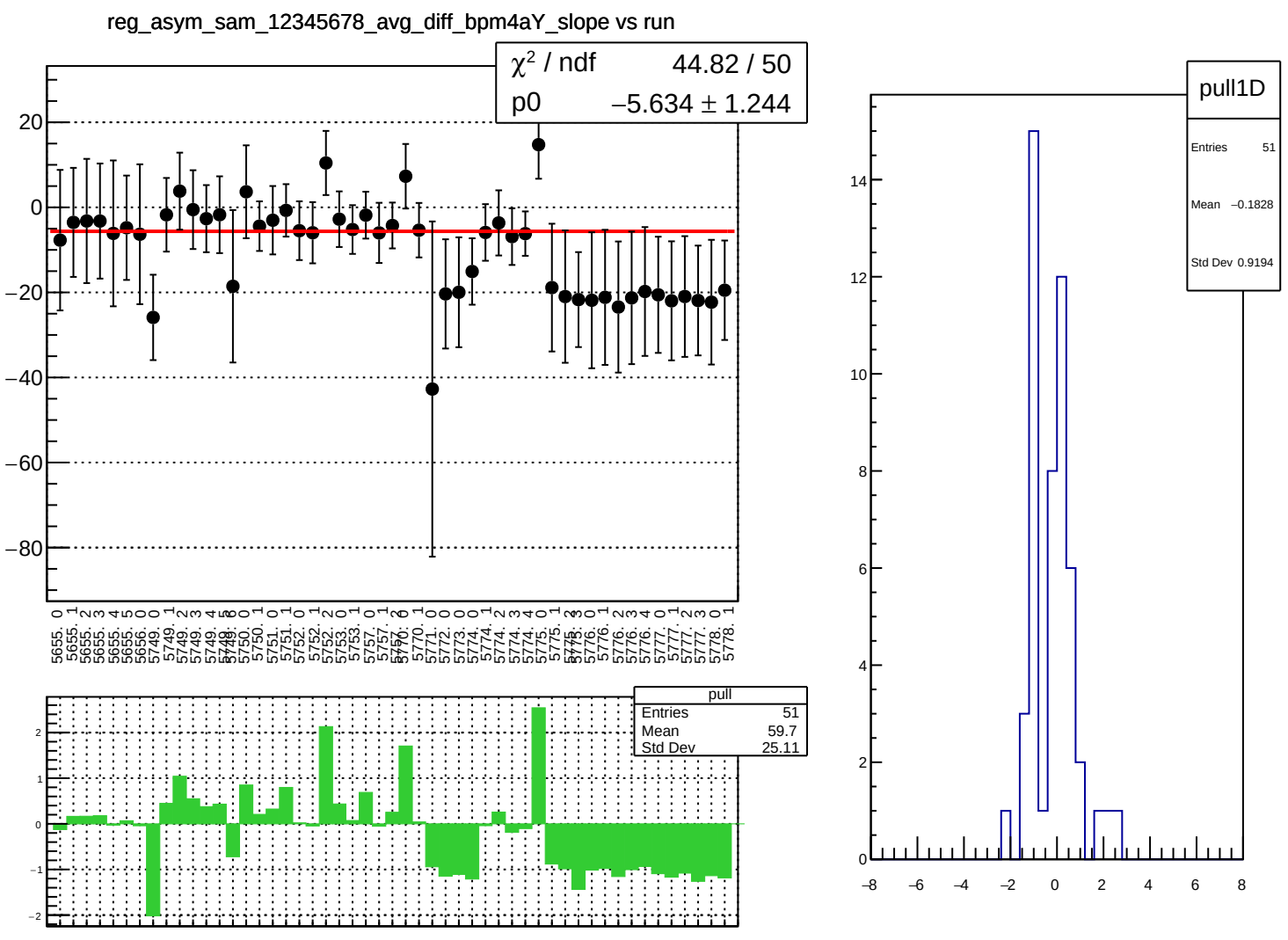

pull1D
Entries 51
Mean −0.03639
Std Dev 0.4431

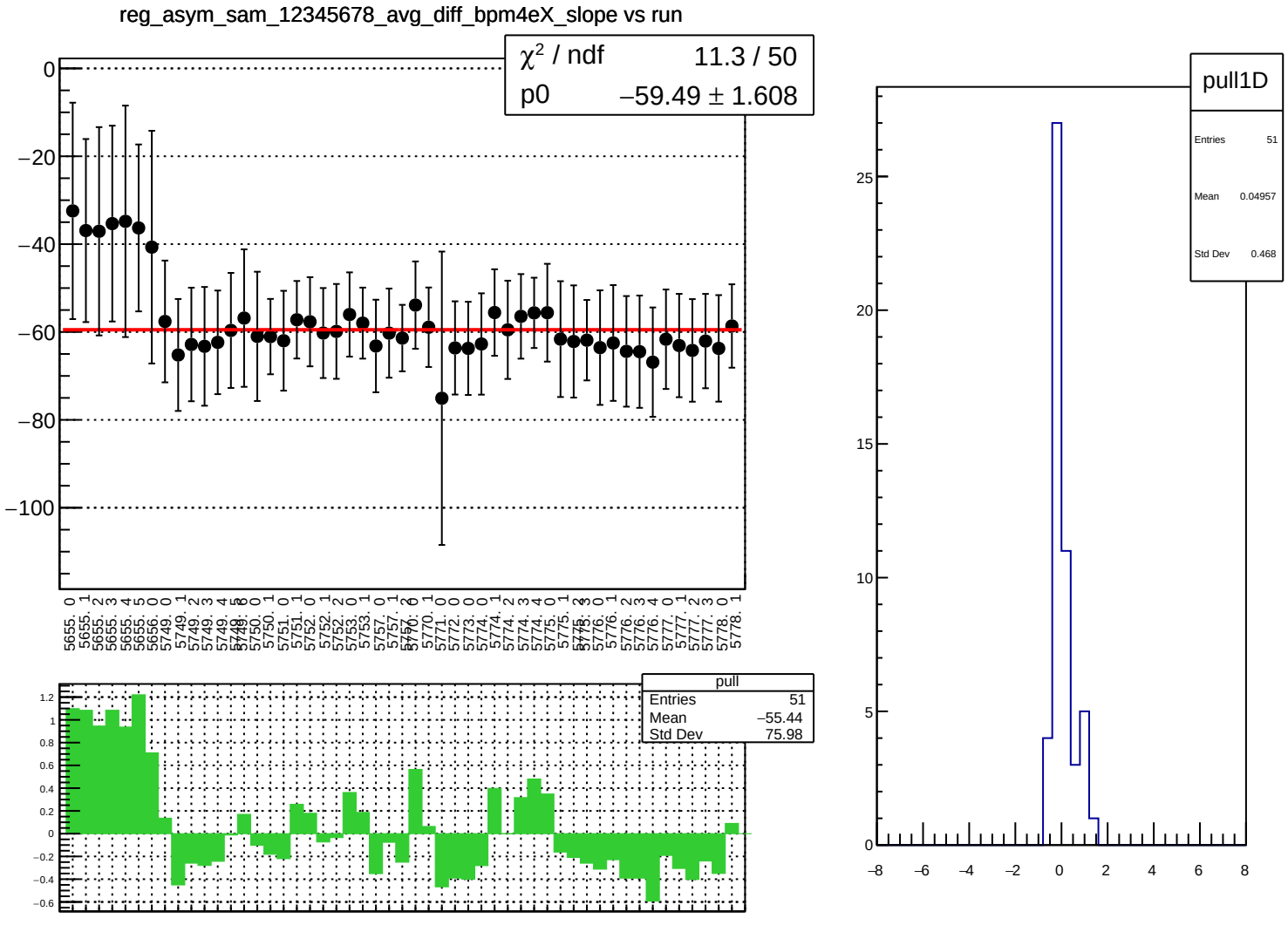

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.39 / 50
p0 5.095 ± 0.6841
pull
Entries 51
Mean 44.79
Std Dev 19.9

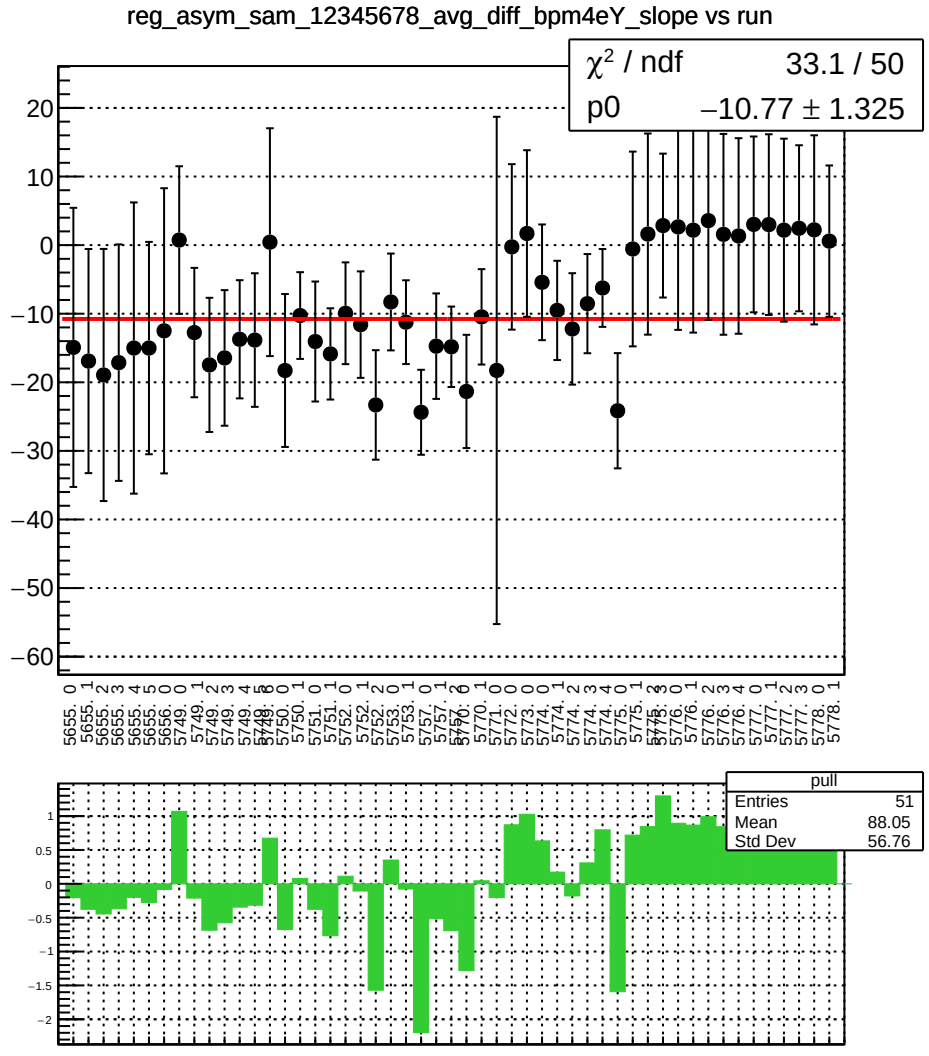

pull1D
Entries 51
Mean −0.1304
Std Dev 0.6343

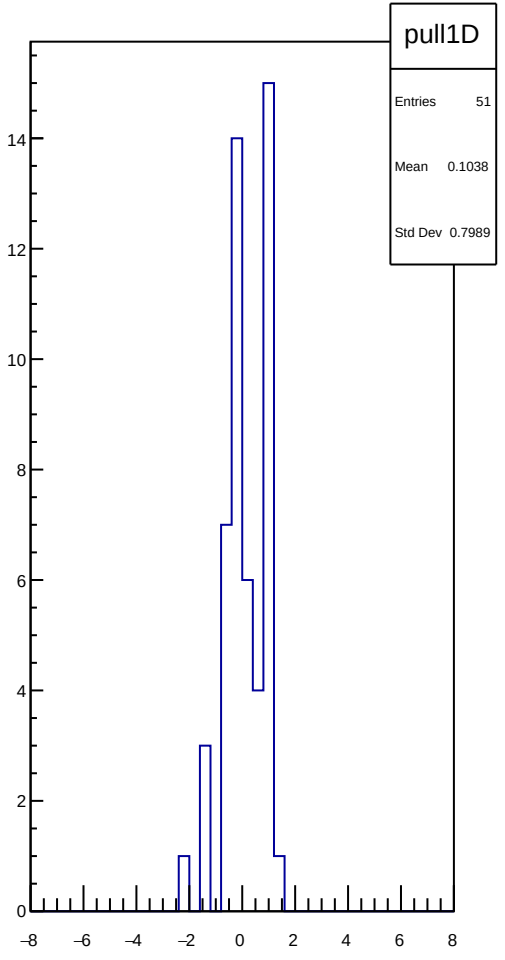

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 29.34 / 50
p0 0.08022 ± 0.03734
pull
Entries 51
Mean 116.9
Std Dev 89.24
pull1D
Entries 51
Mean −0.08862
Std Dev 0.7533

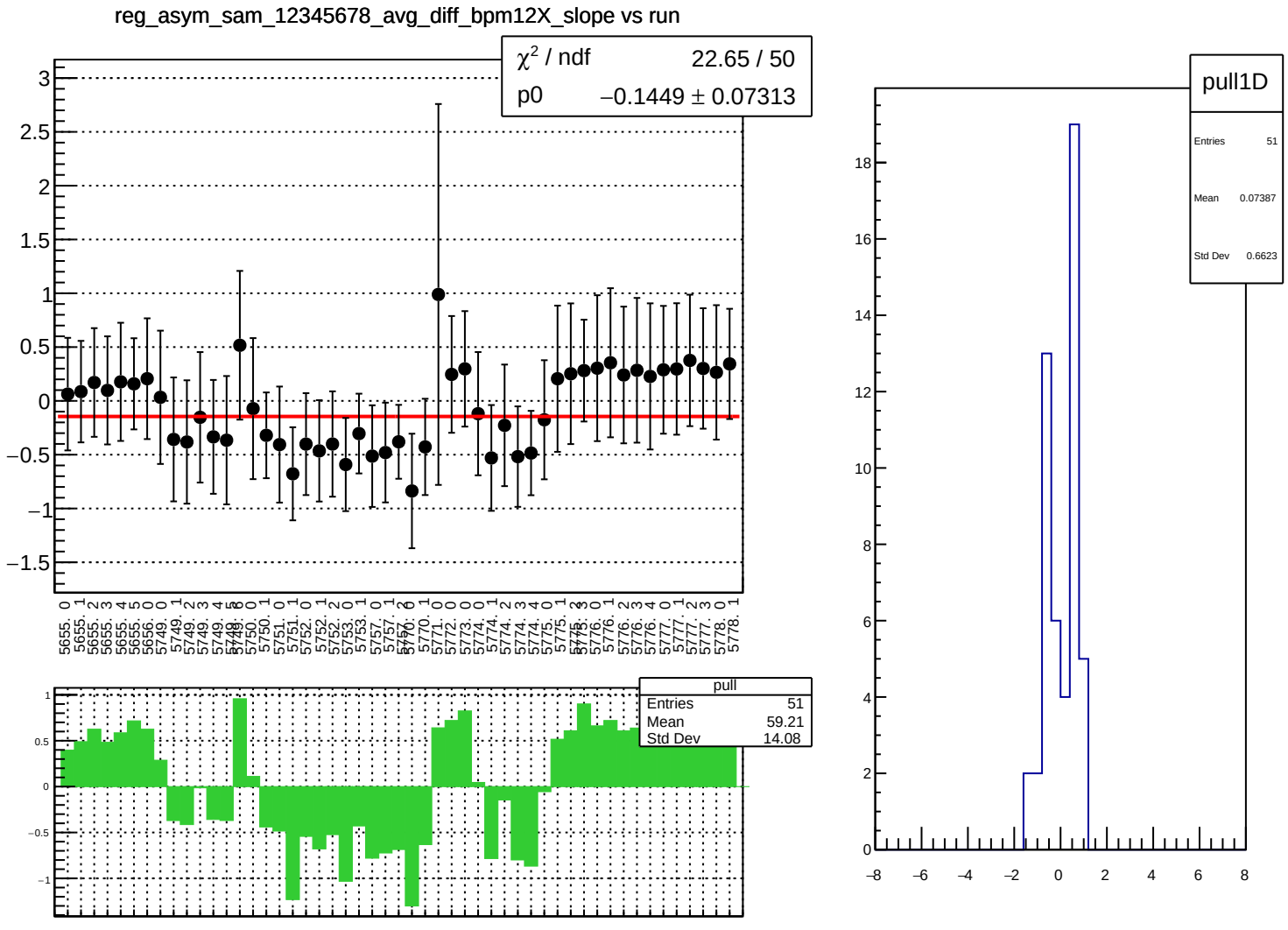

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.97 / 50
p0 −5.48 ± 1.241
pull
Entries 51
Mean −19.83
Std Dev 38.43
pull1D
Entries 51
Mean −0.1115
Std Dev 0.566

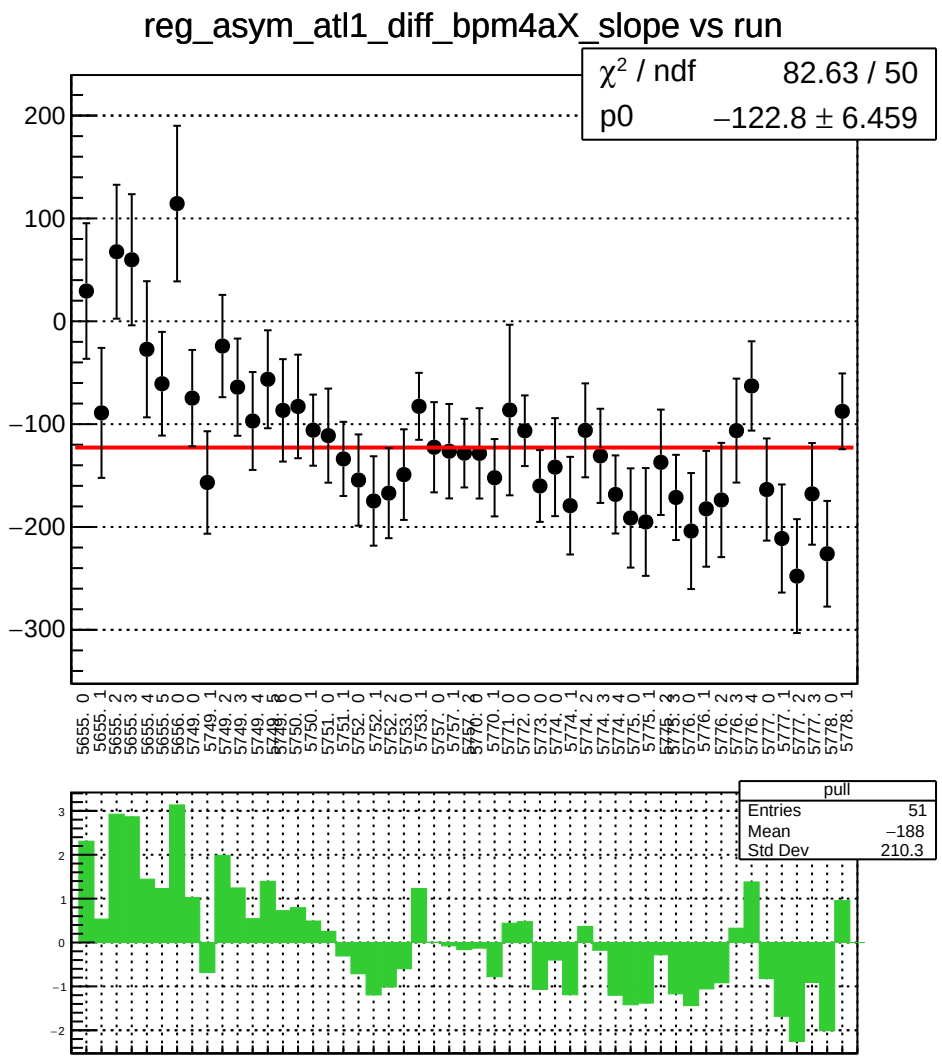

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.82 / 50
p0 −5.634 ± 1.244
pull
Entries 51
Mean 59.7
Std Dev 25.11
pull1D
Entries 51
Mean −0.1828
Std Dev 0.9194

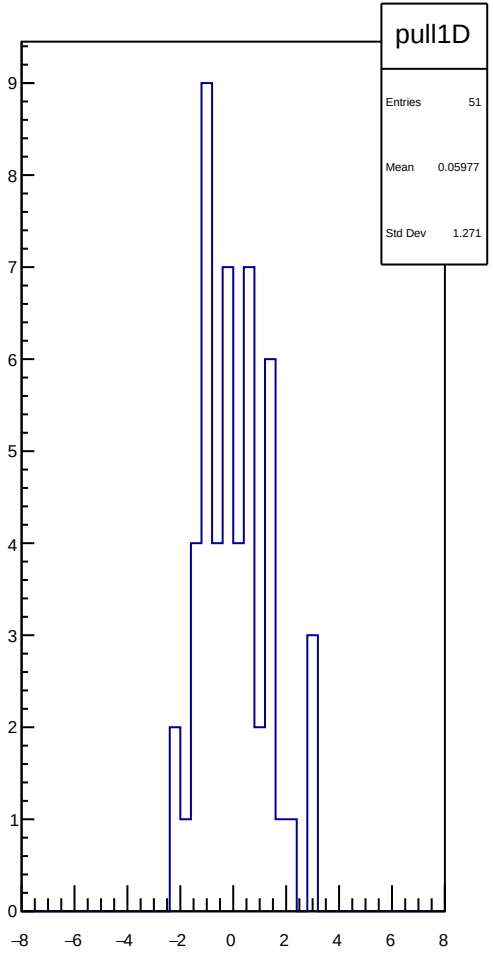

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.3 / 50
p0 −59.49 ± 1.608
pull
Entries 51
Mean −55.44
Std Dev 75.98
pull1D
Entries 51
Mean 0.04957
Std Dev 0.468

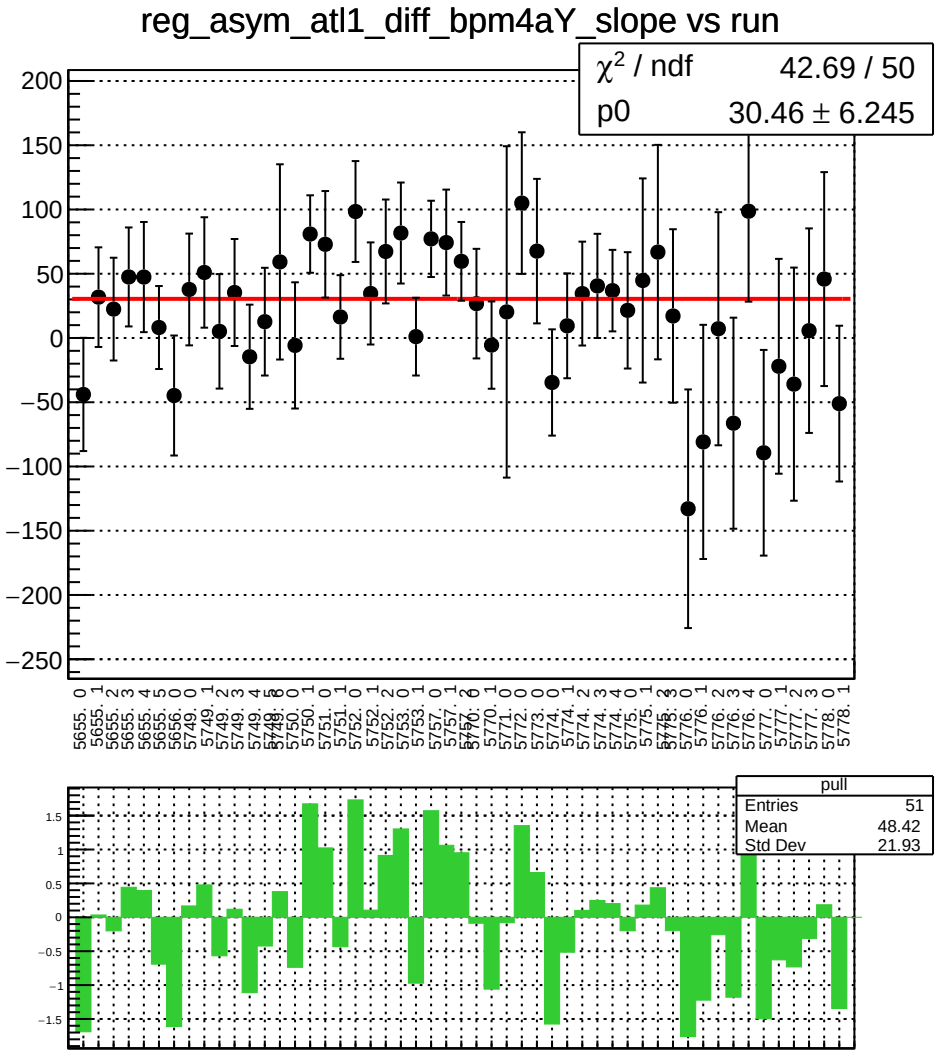

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.1 / 50
p0 −10.77 ± 1.325
pull
Entries 51
Mean 88.05
Std Dev 56.76

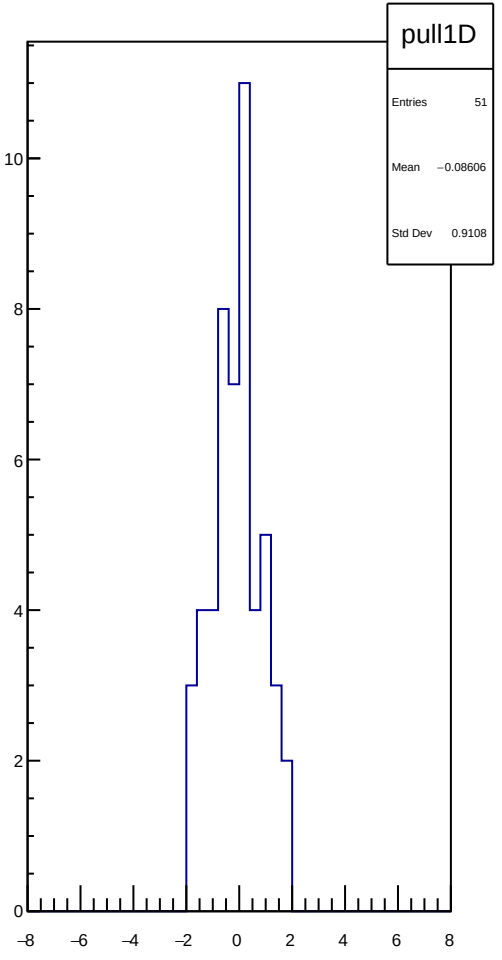

pull1D
Entries 51
Mean 0.1038
Std Dev 0.7989

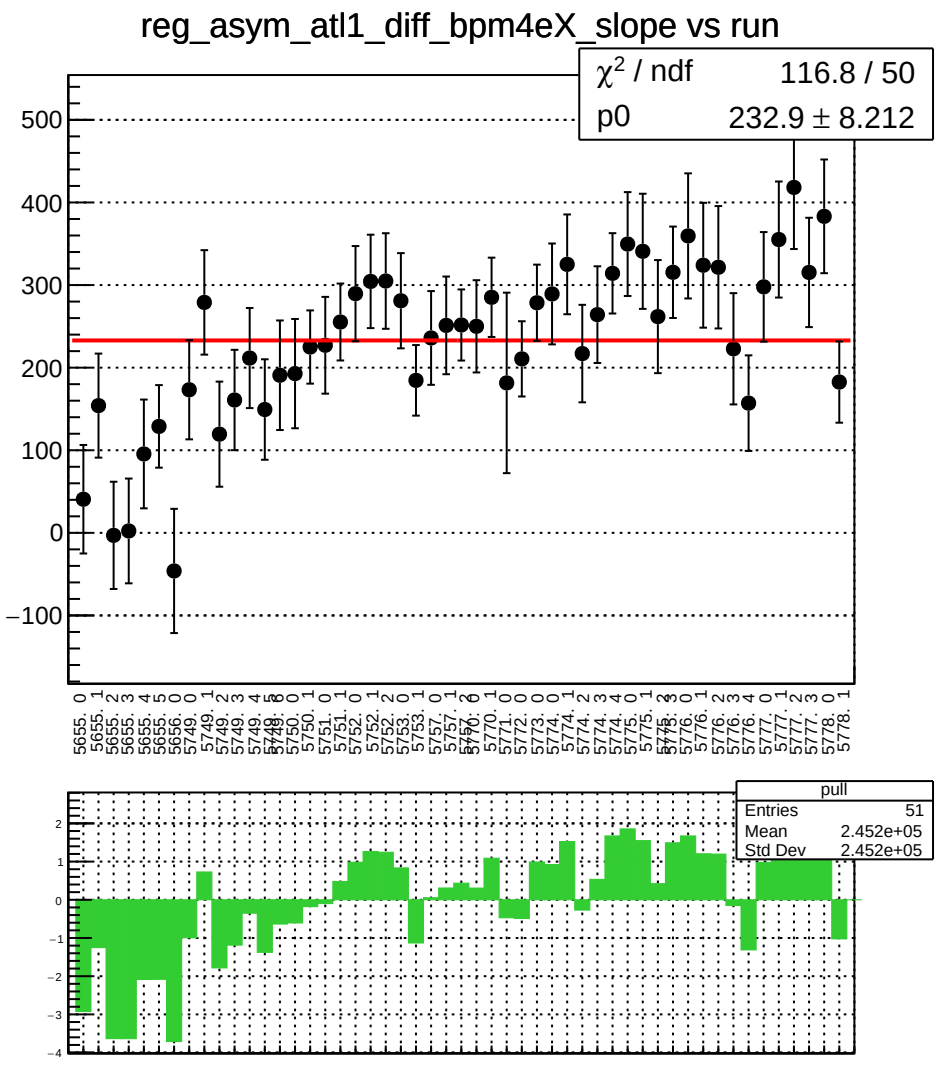

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 22.65 / 50
p0 −0.1449 ± 0.07313
pull
Entries 51
Mean 59.21
Std Dev 14.08
pull1D
Entries 51
Mean 0.07387
Std Dev 0.6623

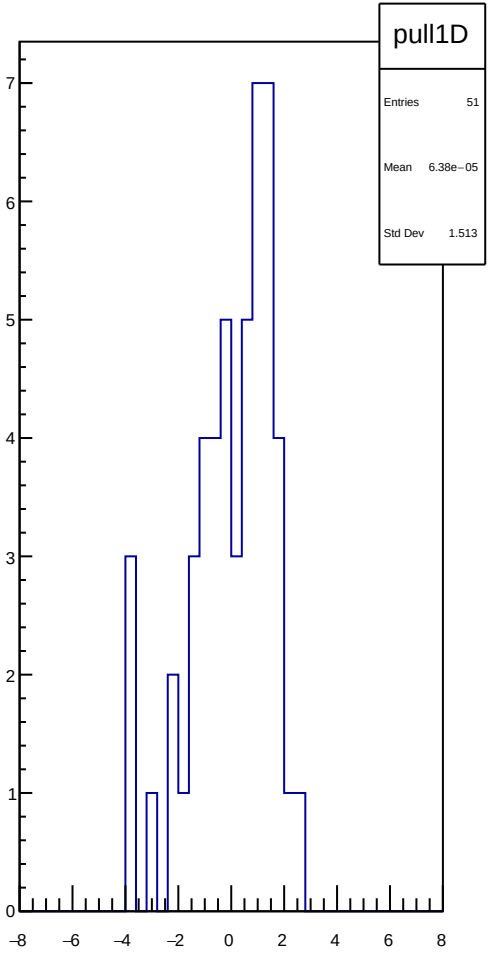

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 82.63 / 50
p0 −122.8 ± 6.459
pull
Entries 51
Mean −188
Std Dev 210.3

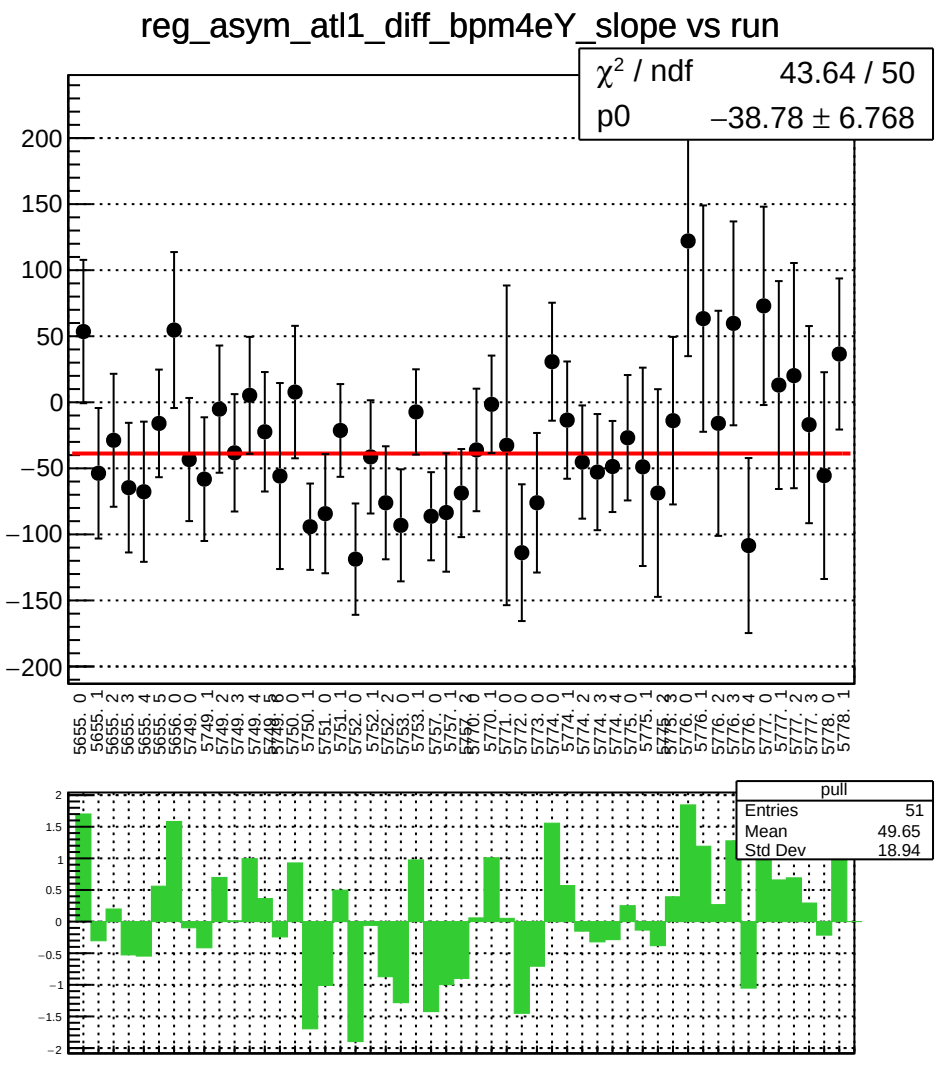

pull1D
Entries 51
Mean 0.05977
Std Dev 1.271

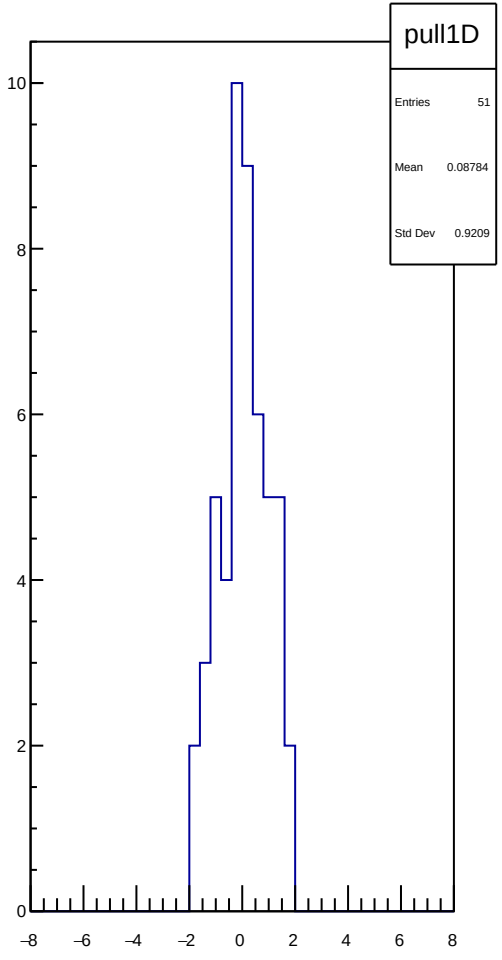

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 42.69 / 50
p0 30.46 ± 6.245
pull
Entries 51
Mean 48.42
Std Dev 21.93

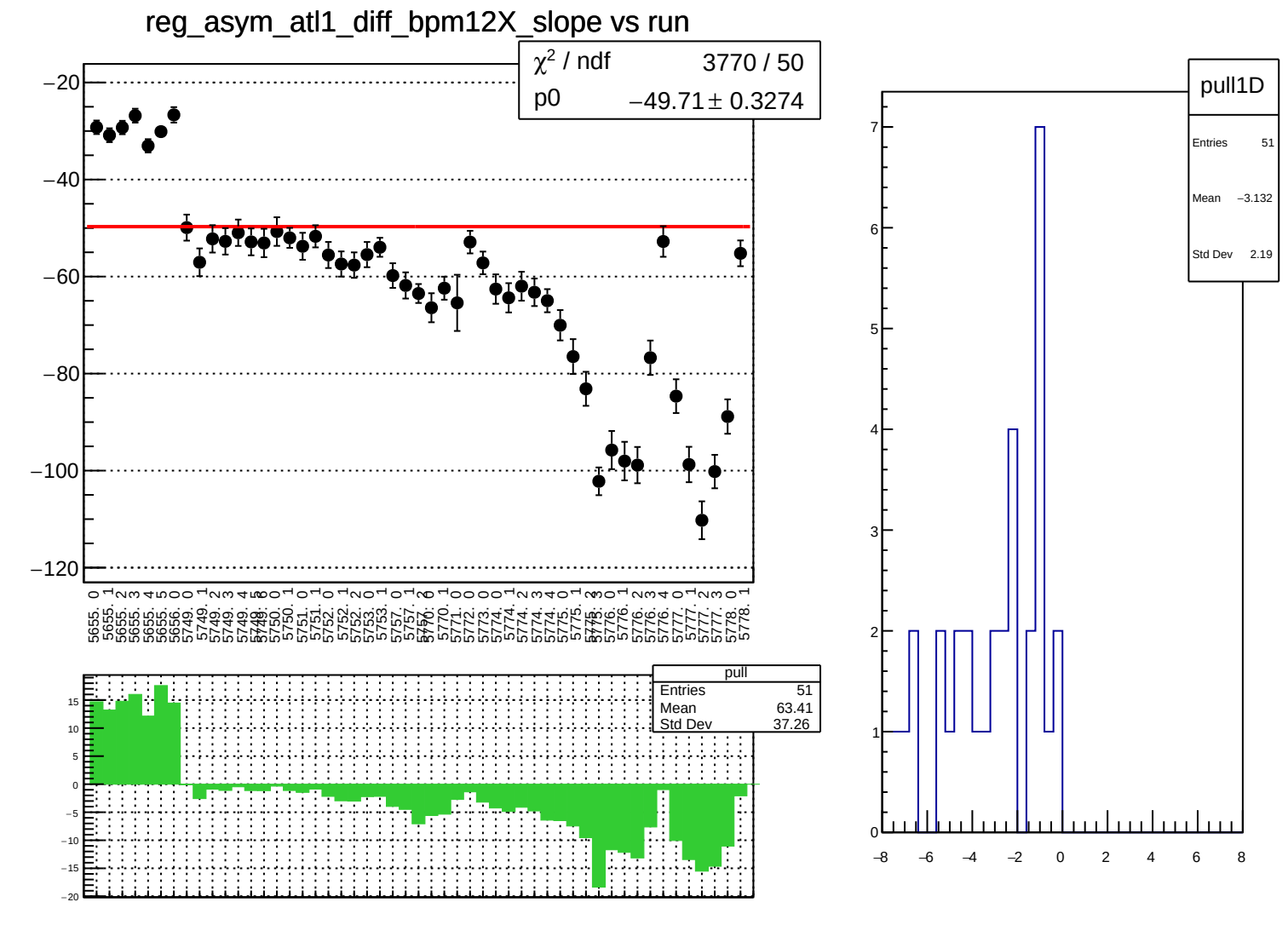

pull1D
Entries 51
Mean −0.08606
Std Dev 0.9108

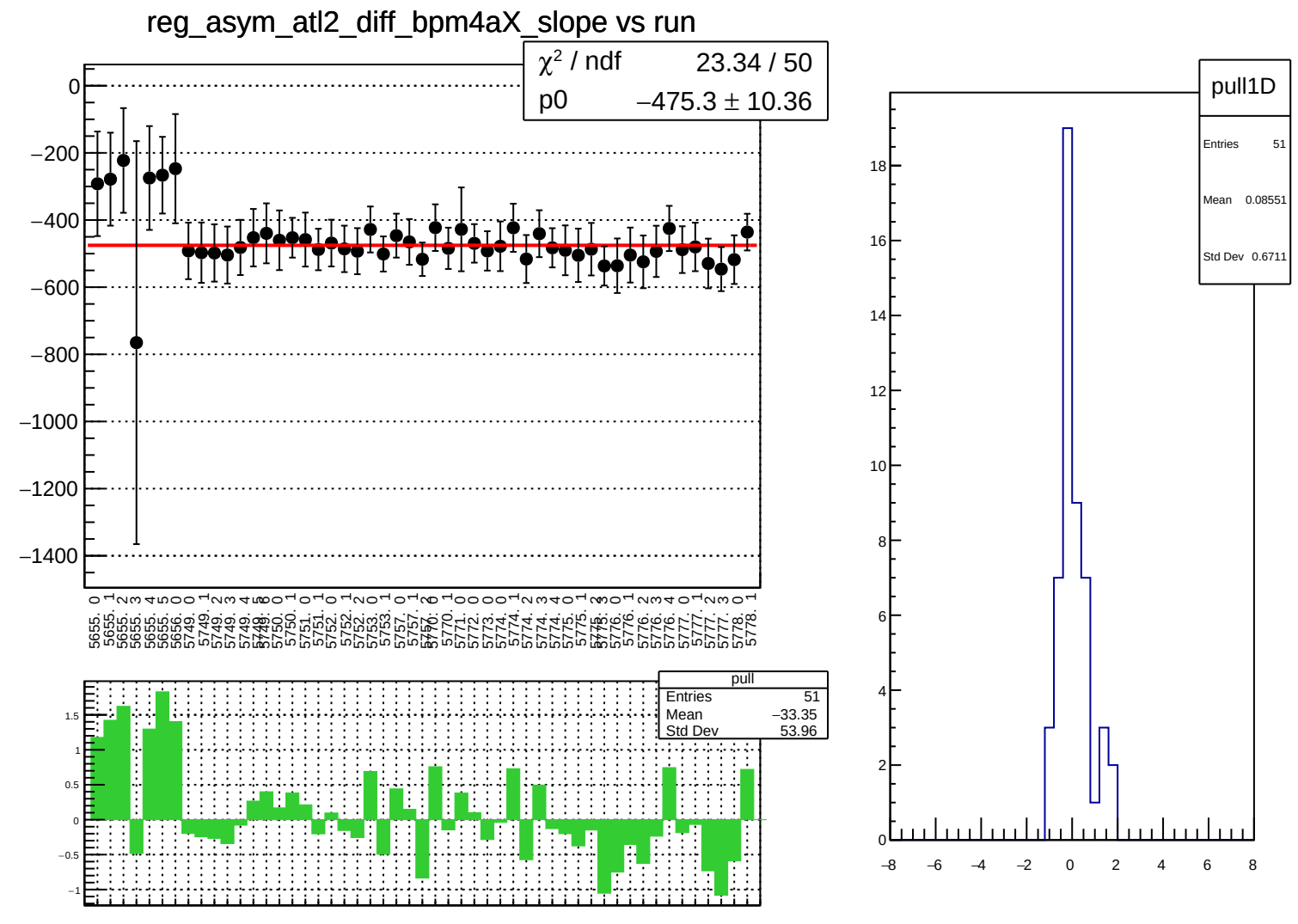

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 116.8 / 50
p0 232.9 ± 8.212
pull
Entries 51
Mean 2.452e+05
Std Dev 2.452e+05

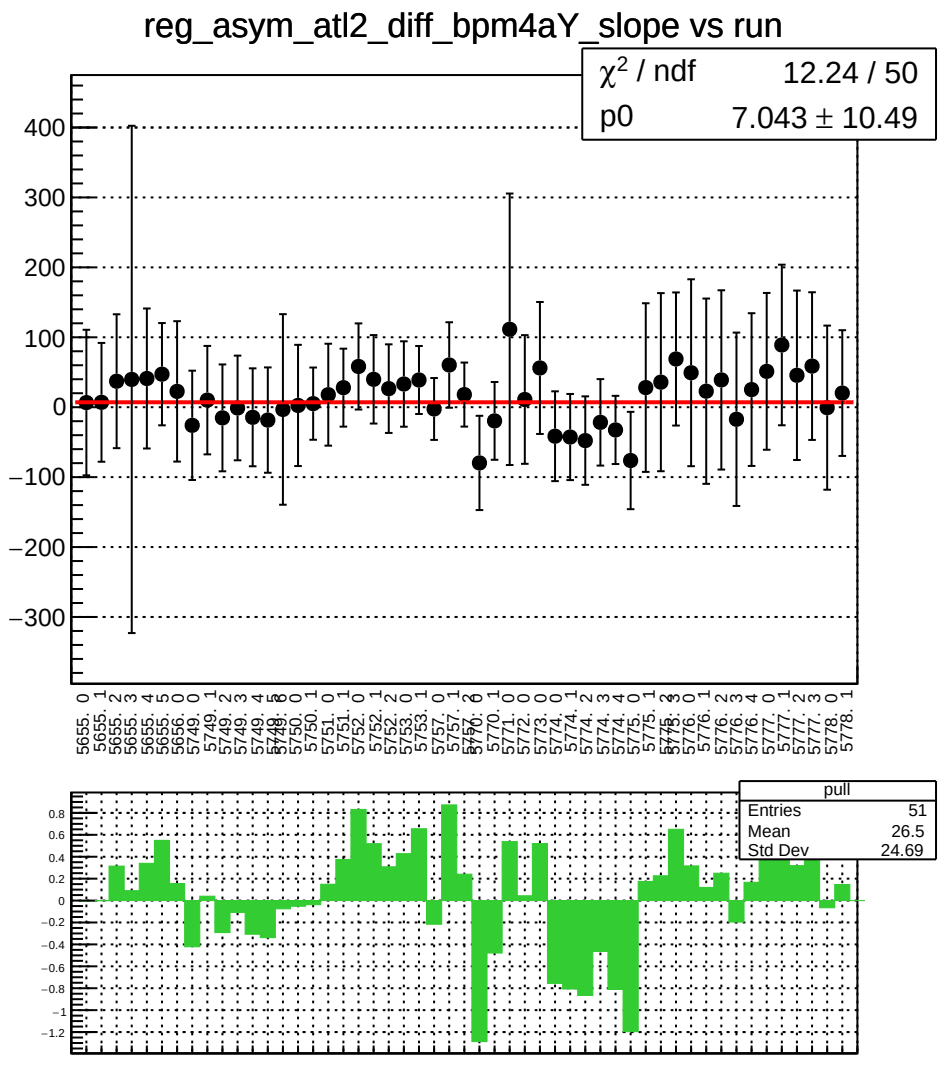

pull1D
Entries 51
Mean 6.38e−05
Std Dev 1.513

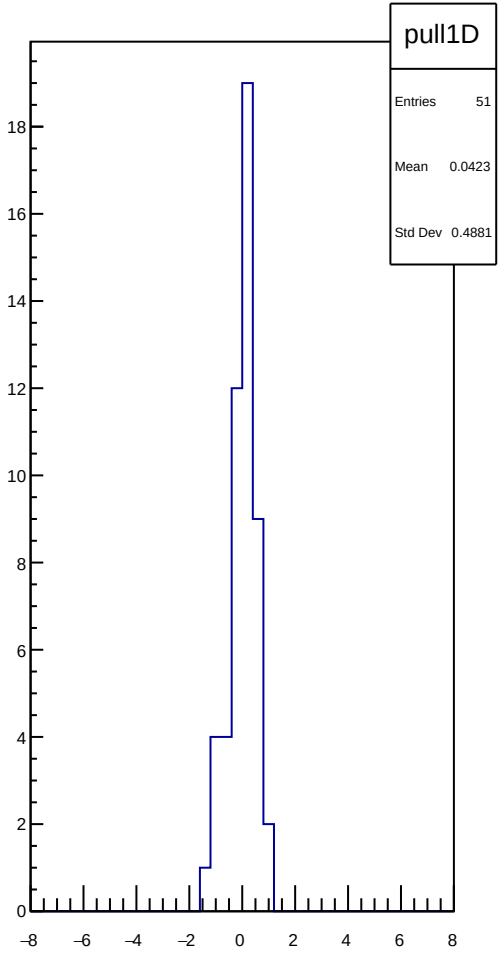

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 50
p0 −38.78 ± 6.768
pull
Entries 51
Mean 49.65
Std Dev 18.94

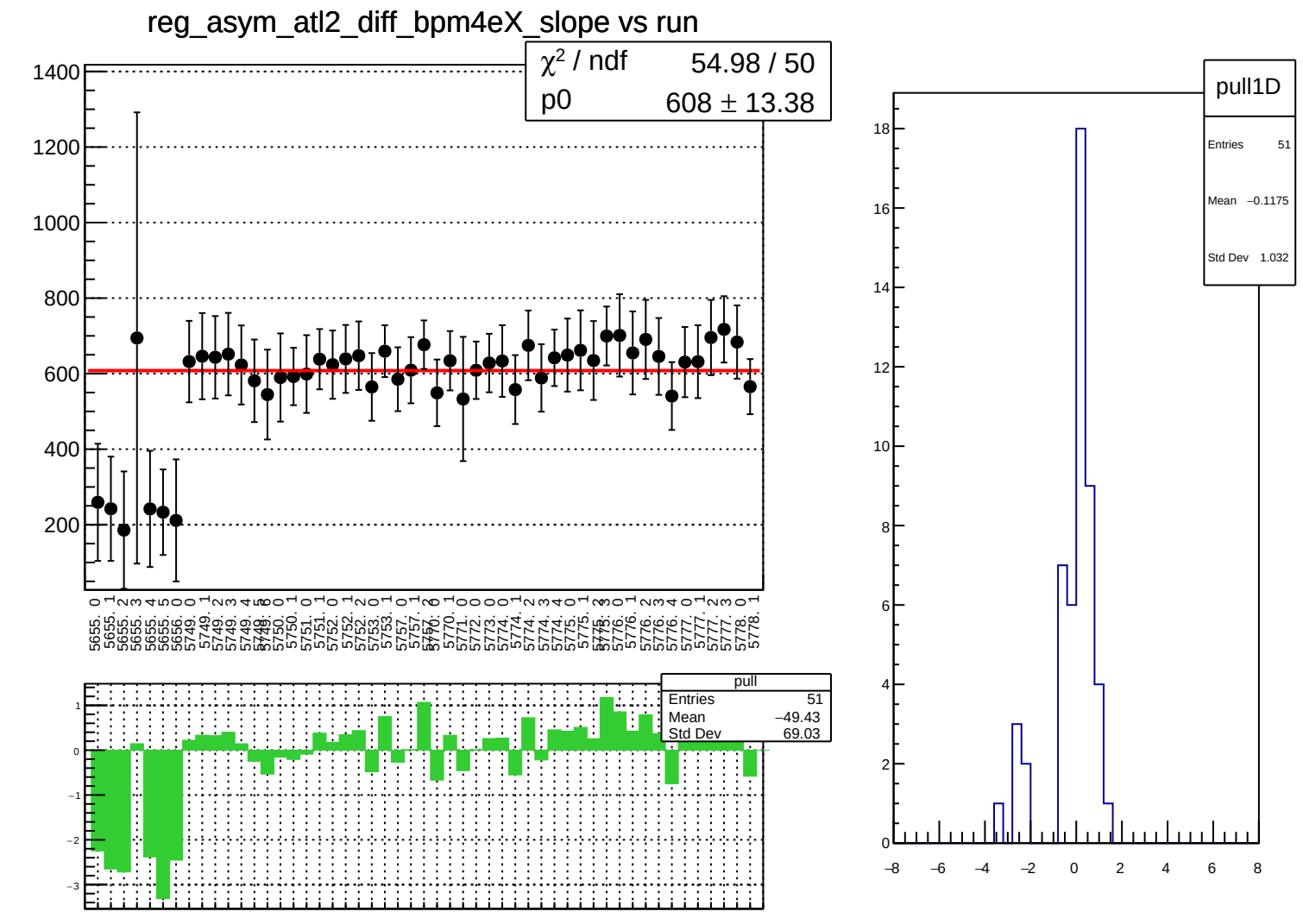

pull1D
Entries 51
Mean 0.08784
Std Dev 0.9209

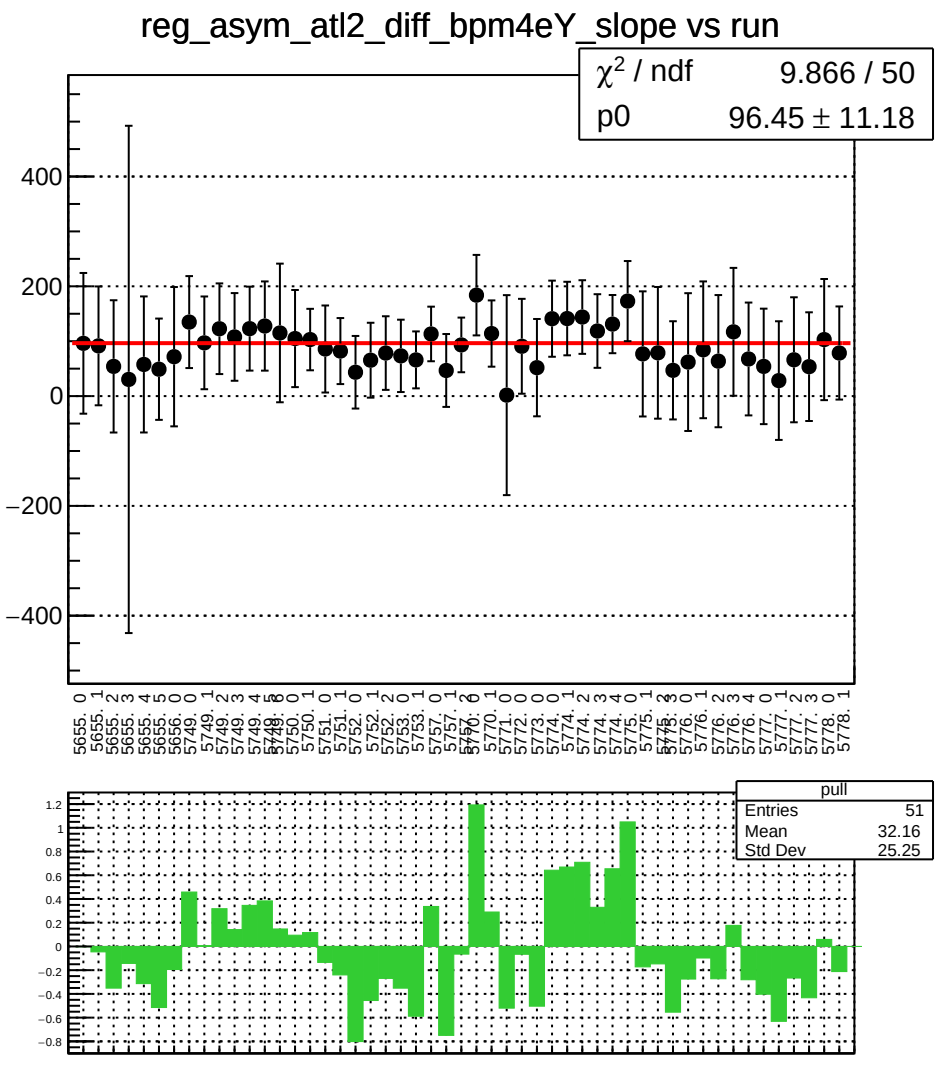

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3770 / 50
p0 −49.71 ± 0.3274
pull
Entries 51
Mean 63.41
Std Dev 37.26
pull1D
Entries 51
Mean −3.132
Std Dev 2.19

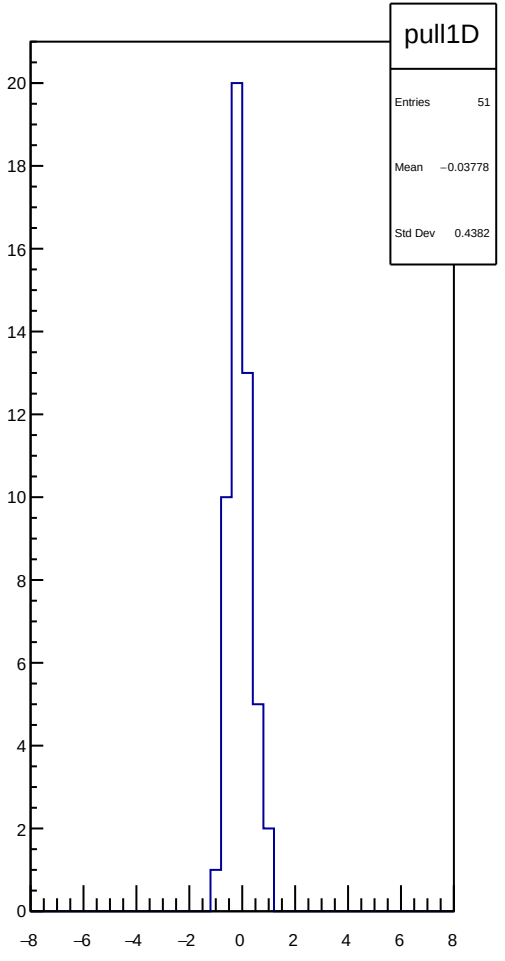

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 23.34 / 50
p0 −475.3 ± 10.36
pull
Entries 51
Mean −33.35
Std Dev 53.96
pull1D
Entries 51
Mean 0.08551
Std Dev 0.6711

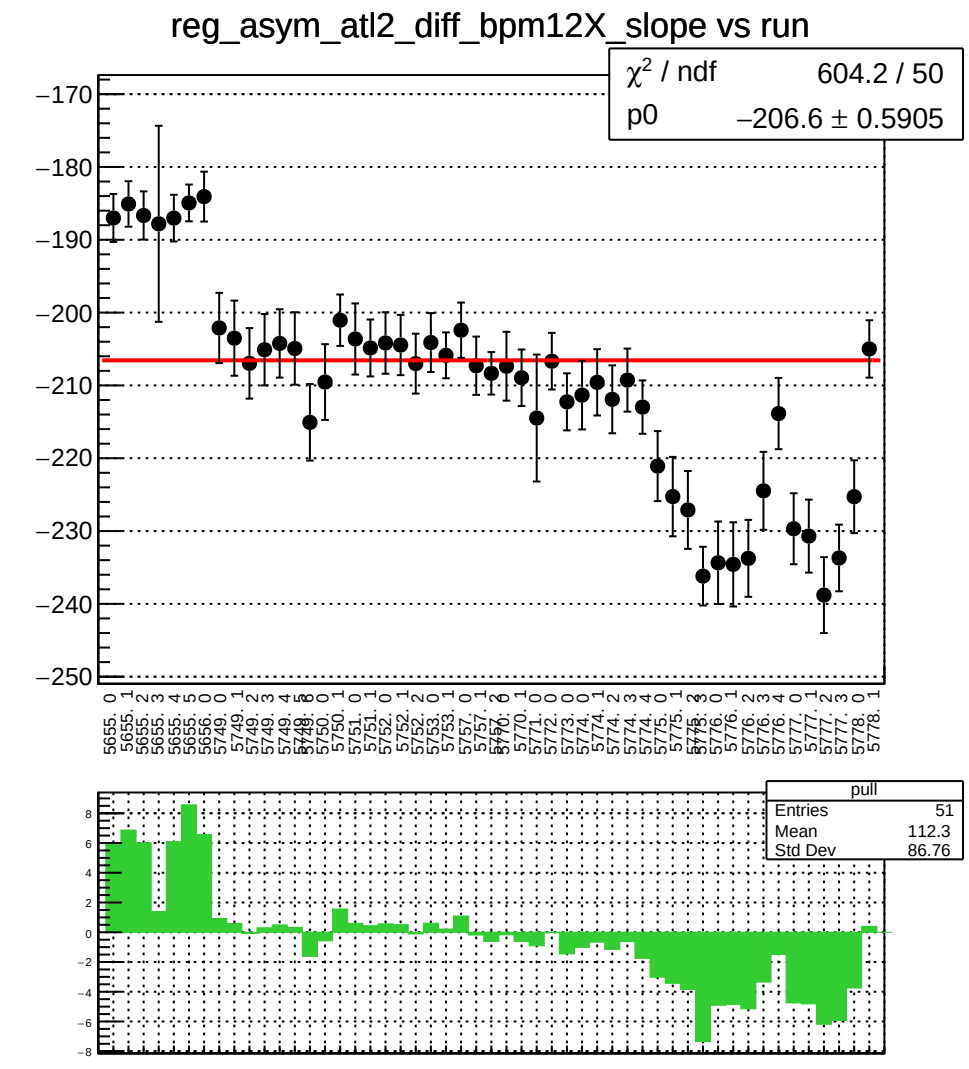

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.24 / 50
p0 7.043 ± 10.49
pull
Entries 51
Mean 26.5
Std Dev 24.69

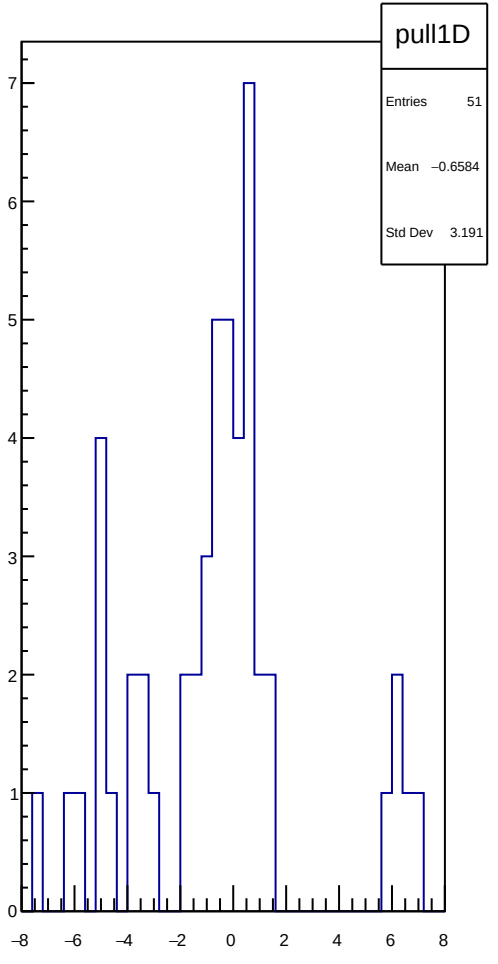

pull1D
Entries 51
Mean 0.0423
Std Dev 0.4881

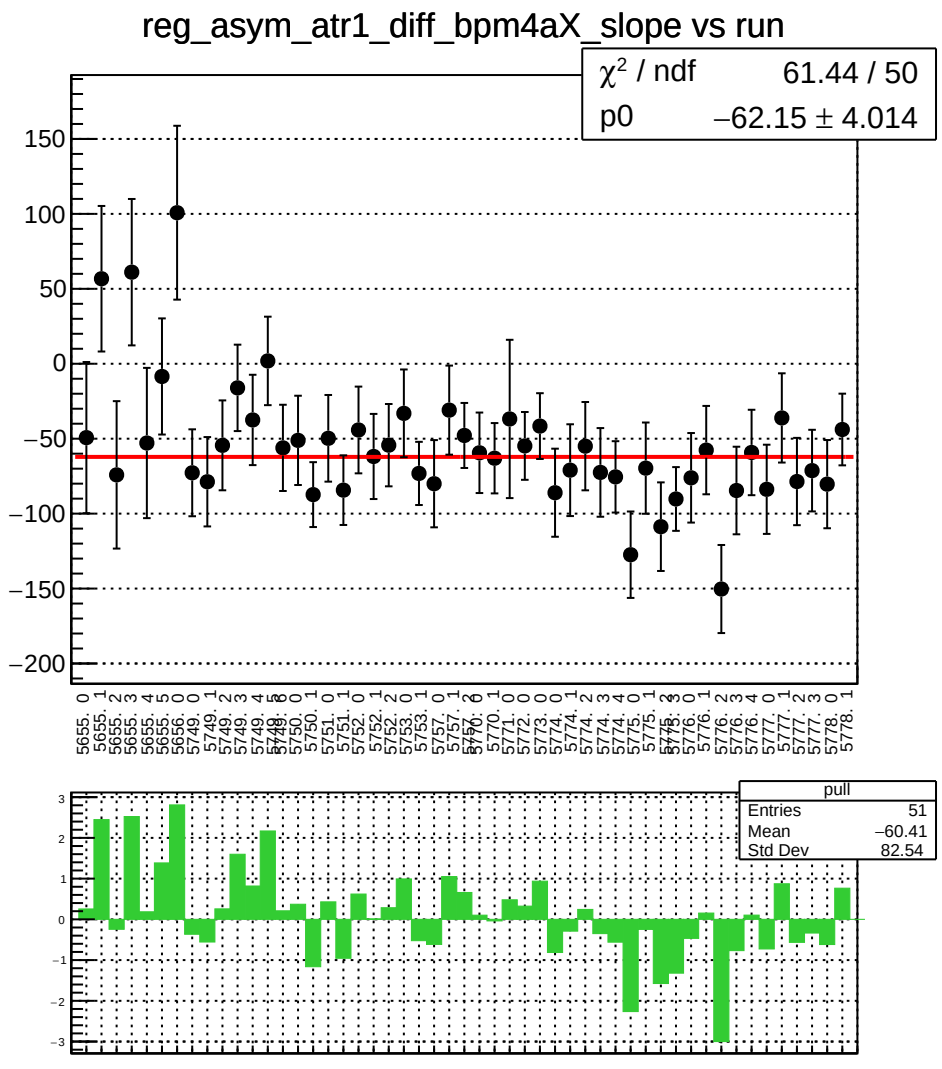

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 54.98 / 50
p0 608 ± 13.38
pull
Entries 51
Mean −49.43
Std Dev 69.03
pull1D
Entries 51
Mean −0.1175
Std Dev 1.032

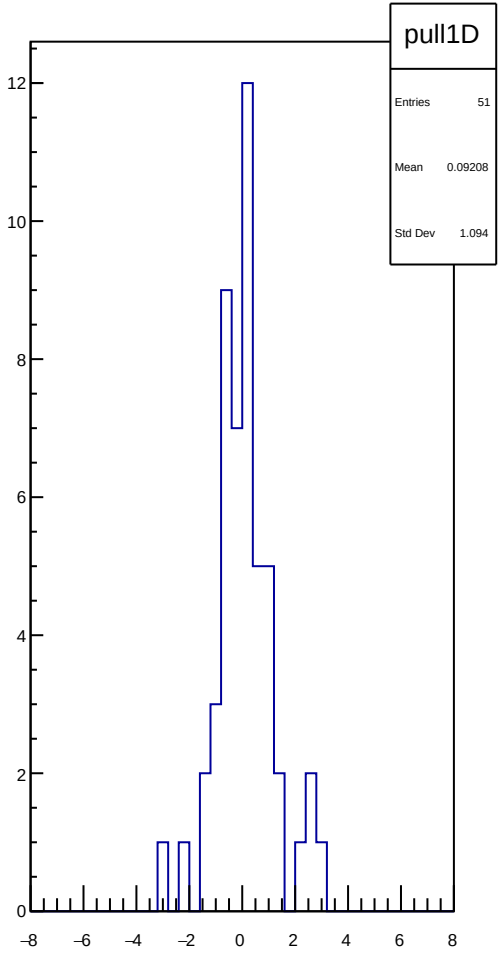

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.866 / 50
p0 96.45 ± 11.18
400
200
0
−200
−400
pull
Entries 51
Mean 32.16
Std Dev 25.25
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

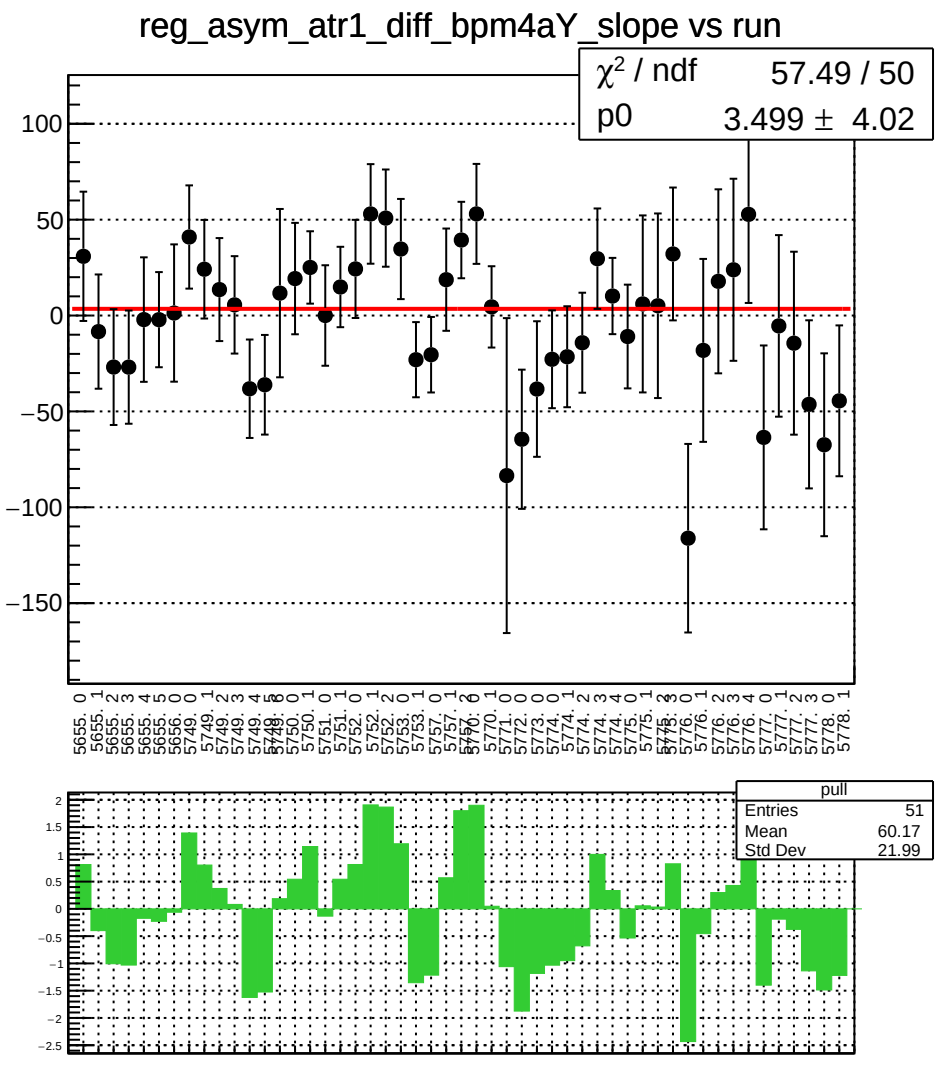

pull1D
Entries 51
Mean −0.03778
Std Dev 0.4382
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

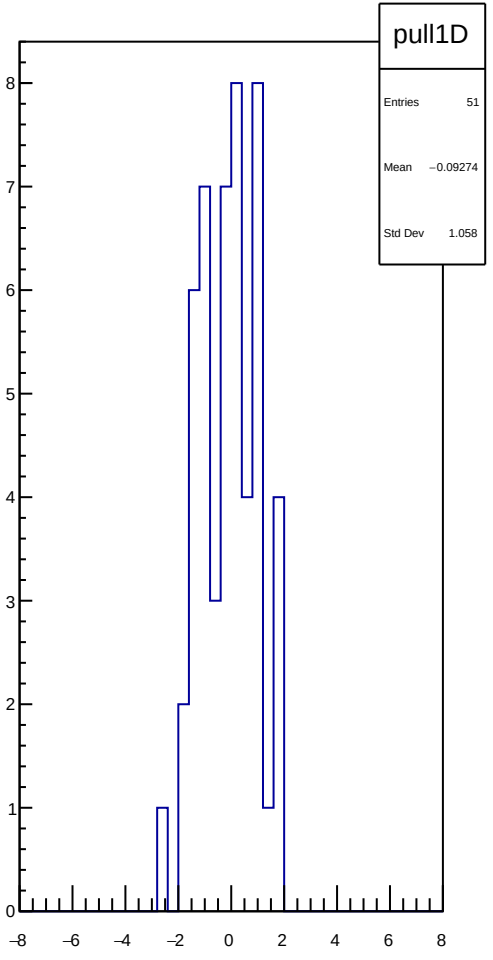

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 604.2 / 50
p0 −206.6 ± 0.5905
pull
Entries 51
Mean 112.3
Std Dev 86.76

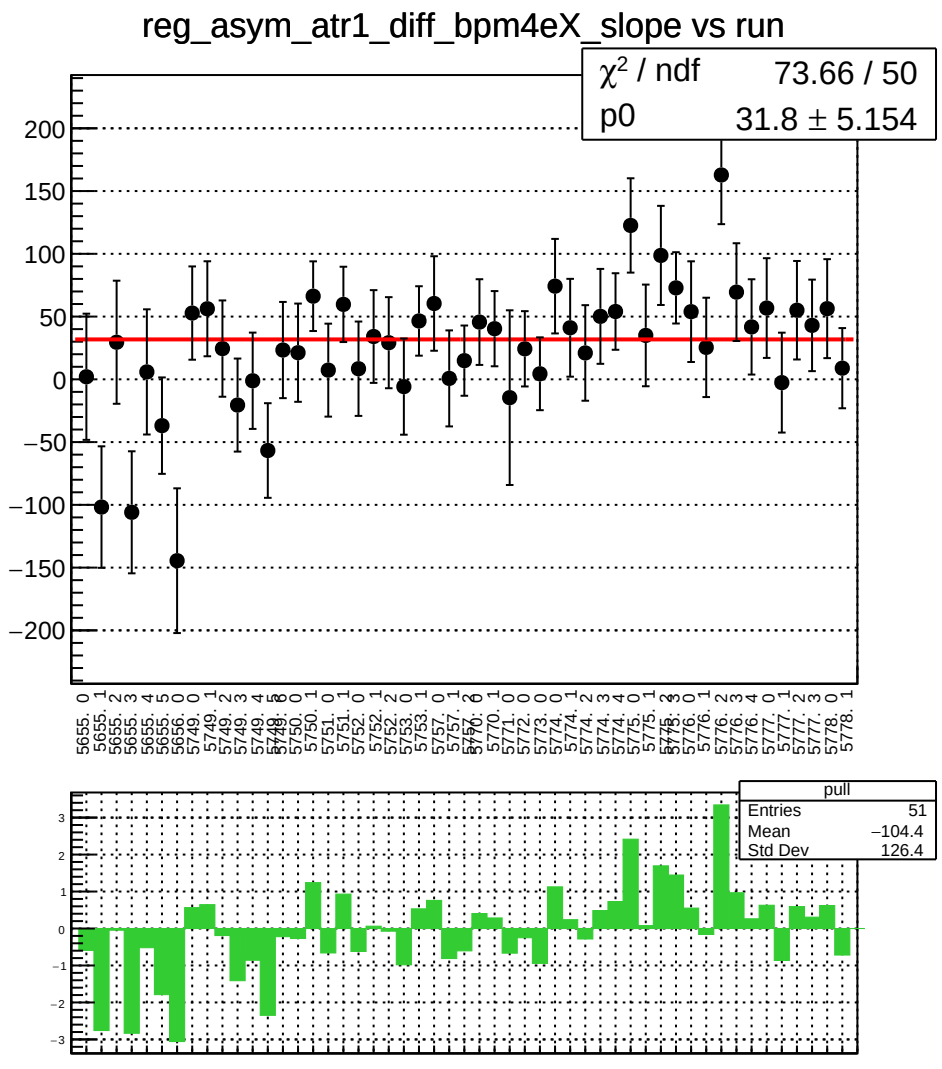

pull1D
Entries 51
Mean −0.6584
Std Dev 3.191

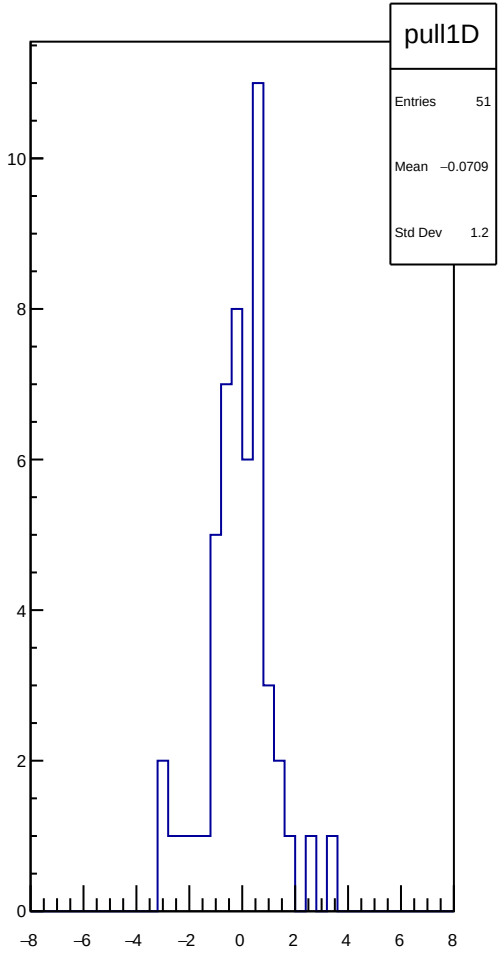

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 61.44 / 50
p0 −62.15 ± 4.014
pull
Entries 51
Mean −60.41
Std Dev 82.54

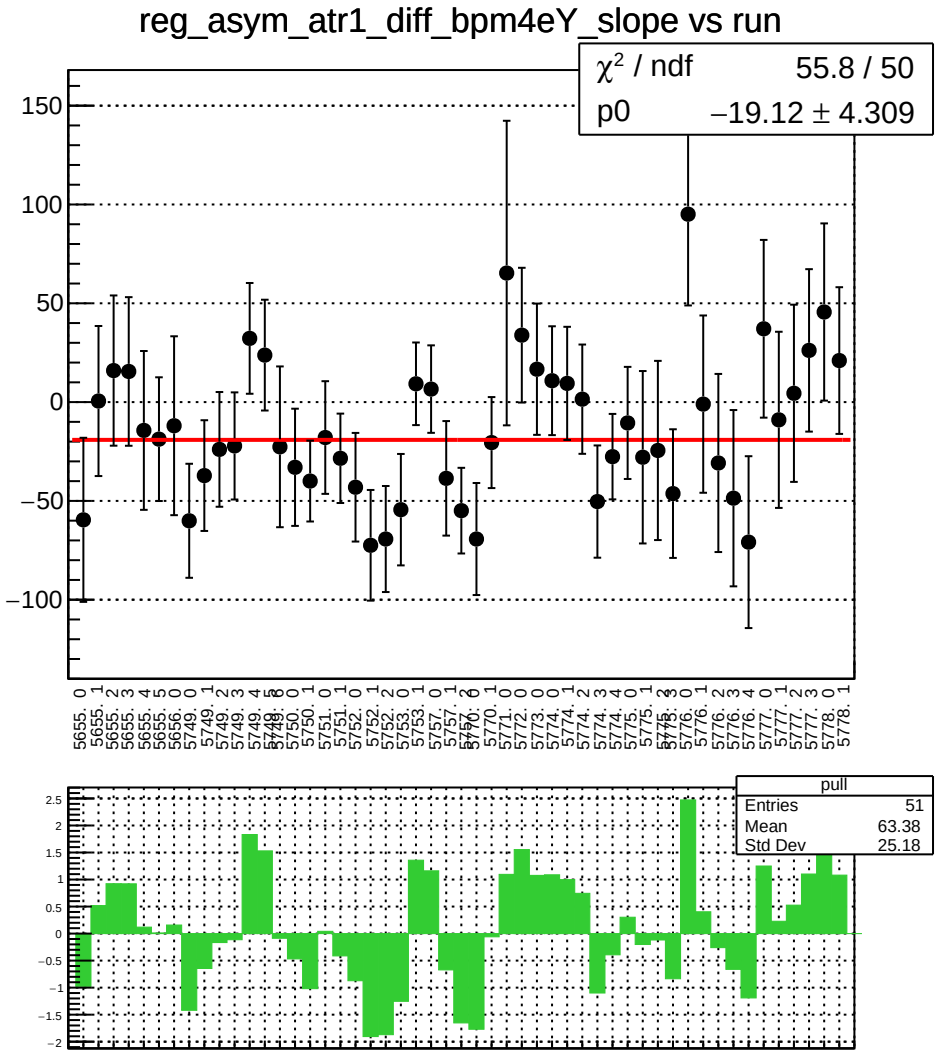

pull1D
Entries 51
Mean 0.09208
Std Dev 1.094

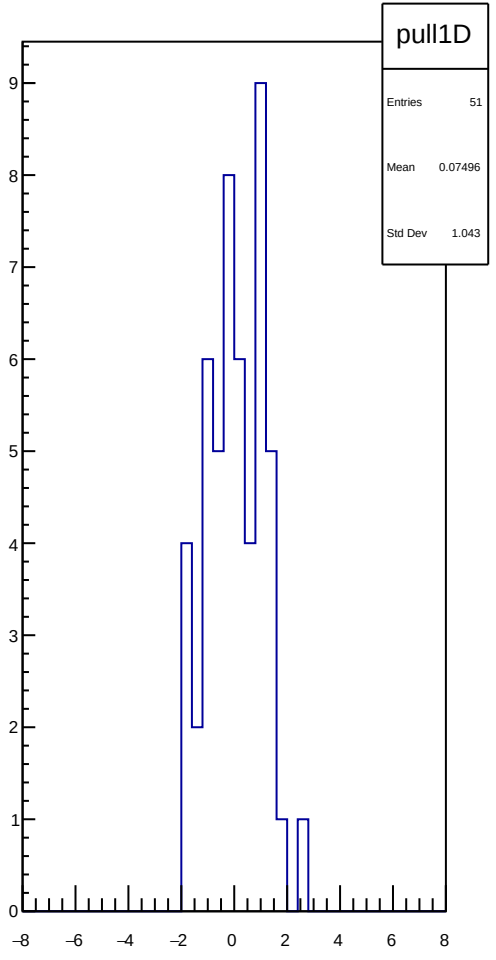

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 57.49 / 50
p0 3.499 ± 4.02
pull
Entries 51
Mean 60.17
Std Dev 21.99

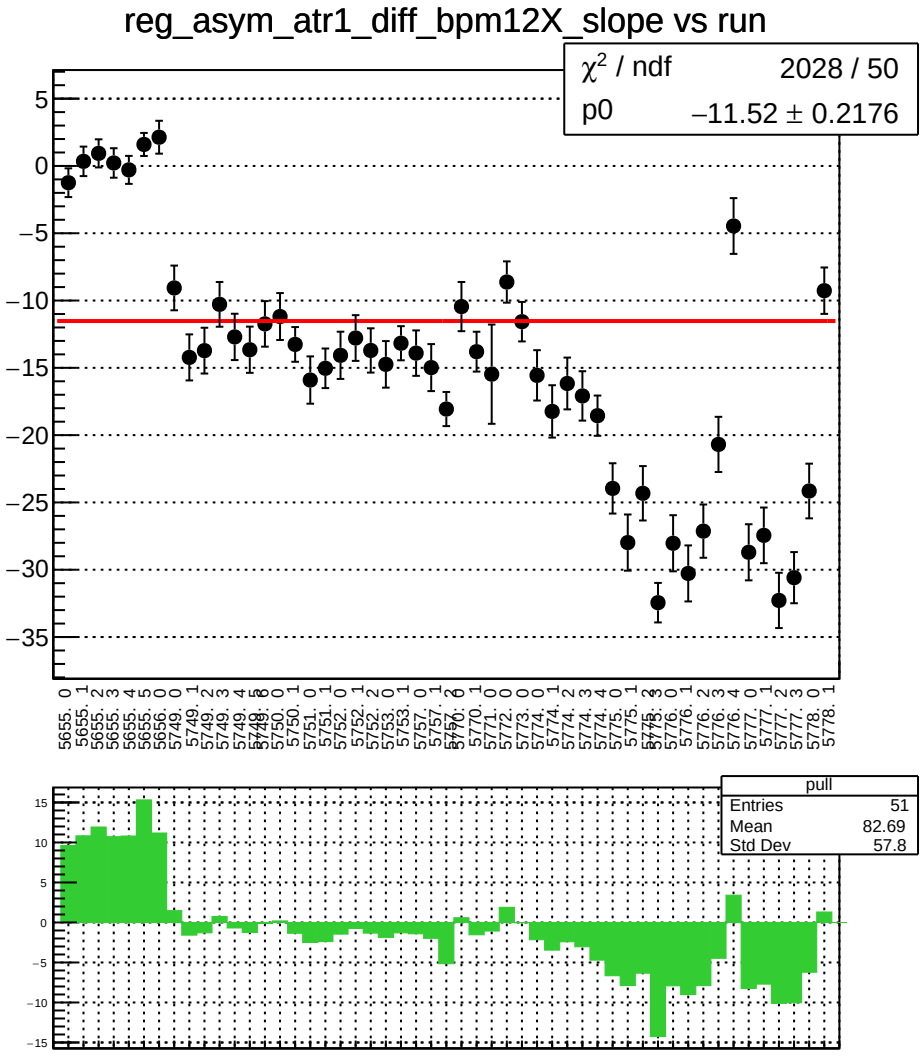

pull1D
Entries 51
Mean −0.09274
Std Dev 1.058

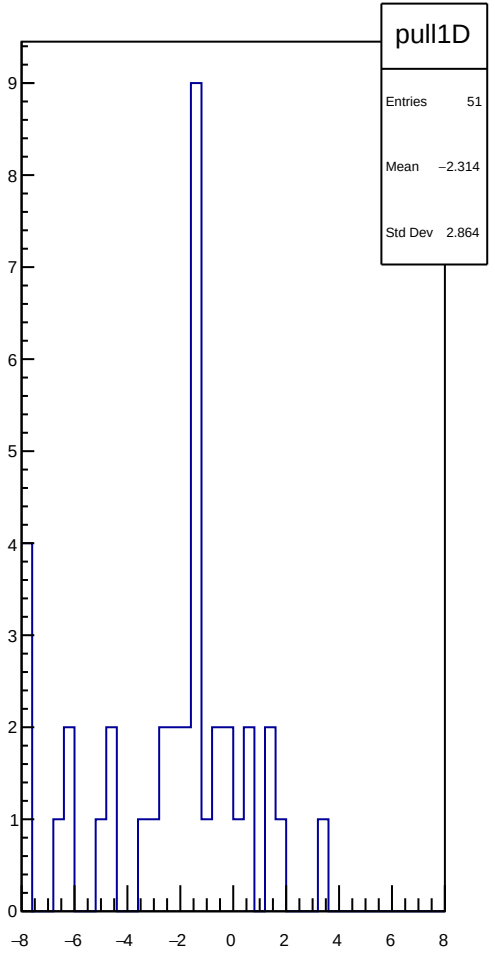

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 73.66 / 50
p0 31.8 ± 5.154
pull
Entries 51
Mean −104.4
Std Dev 126.4

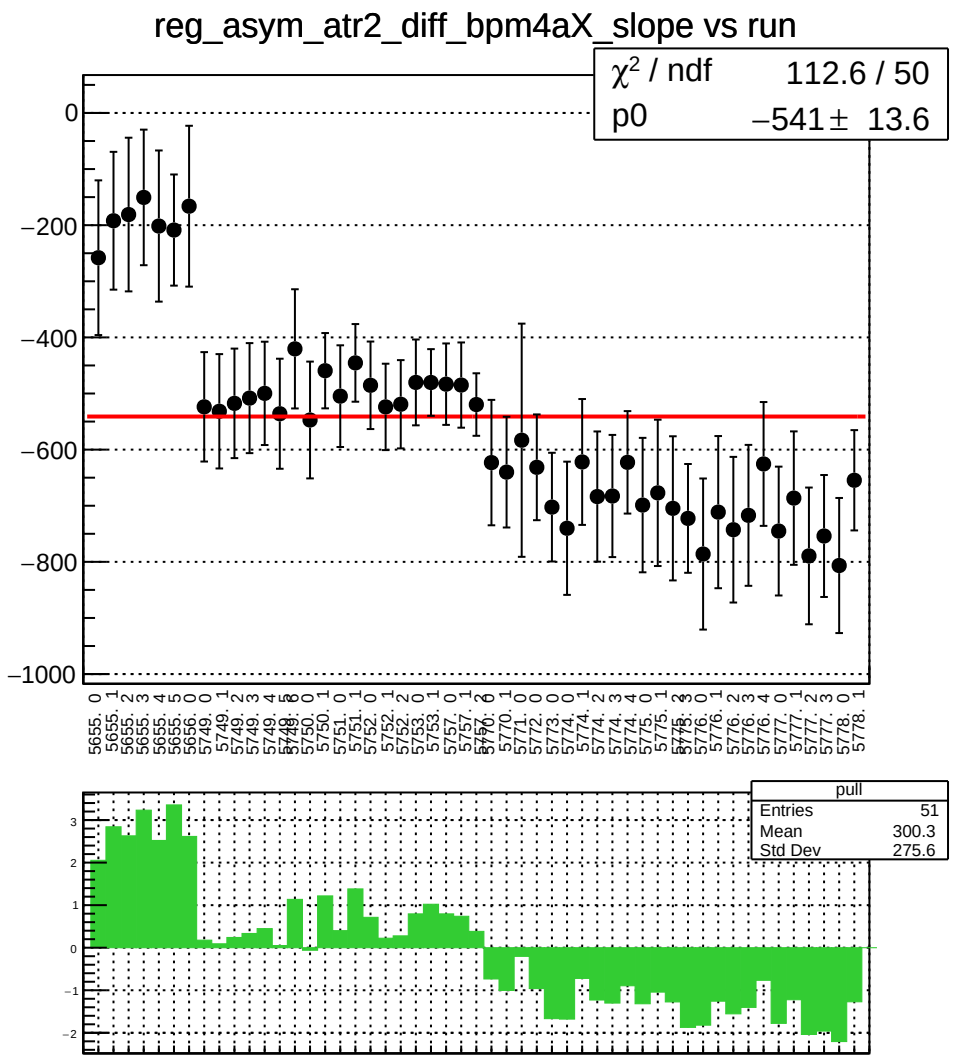

pull1D
Entries 51
Mean −0.0709
Std Dev 1.2

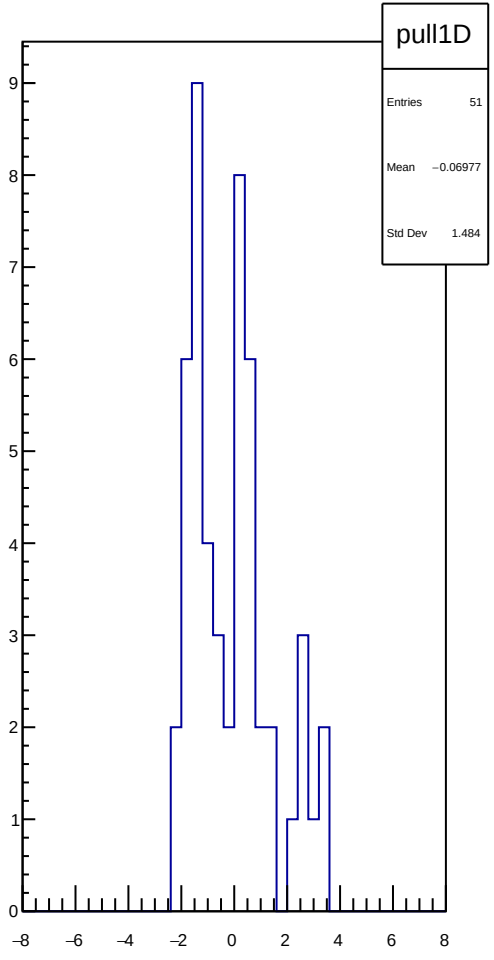

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 55.8 / 50
p0 −19.12 ± 4.309
pull
Entries 51
Mean 63.38
Std Dev 25.18

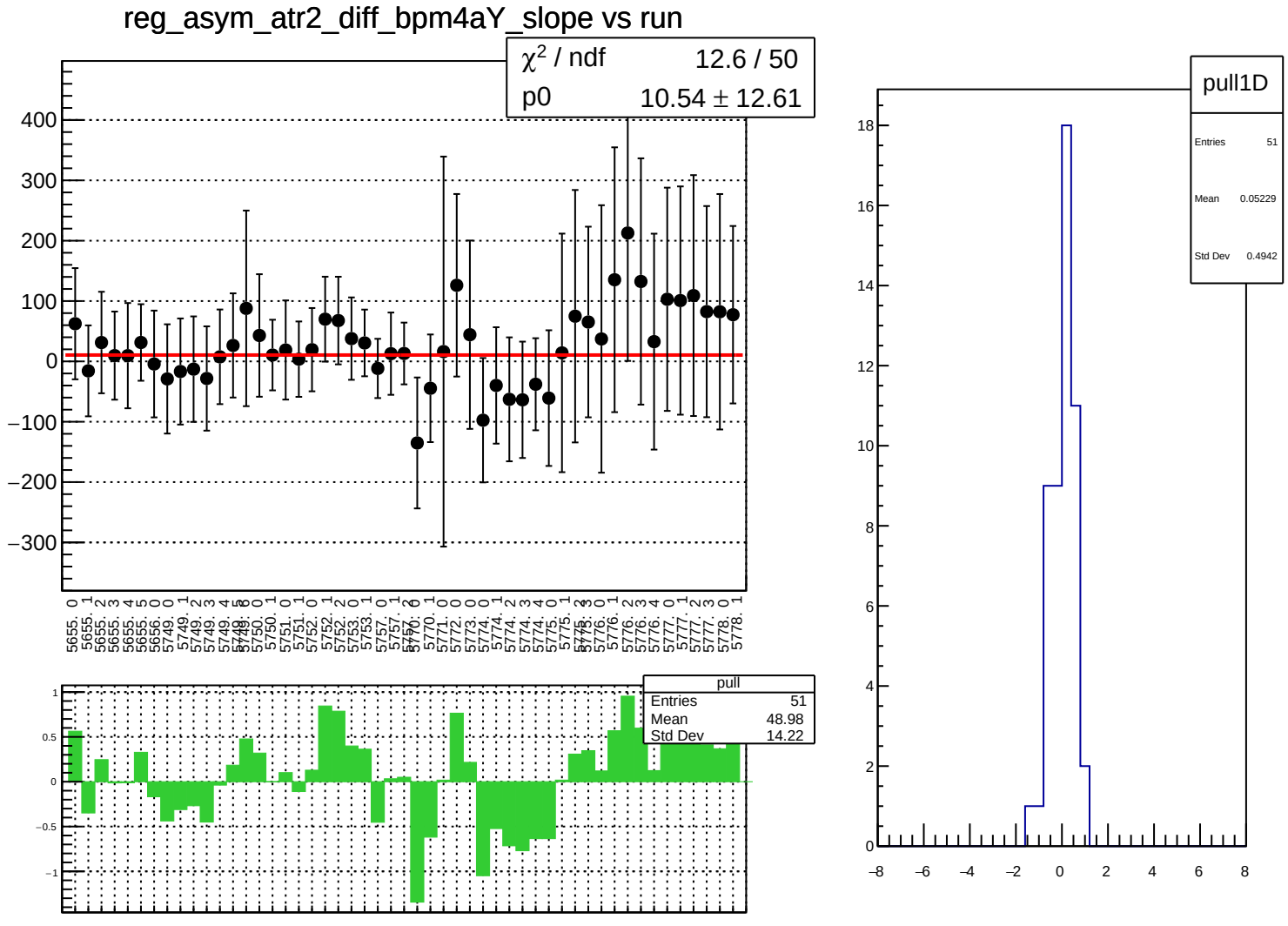

pull1D
Entries 51
Mean 0.07496
Std Dev 1.043

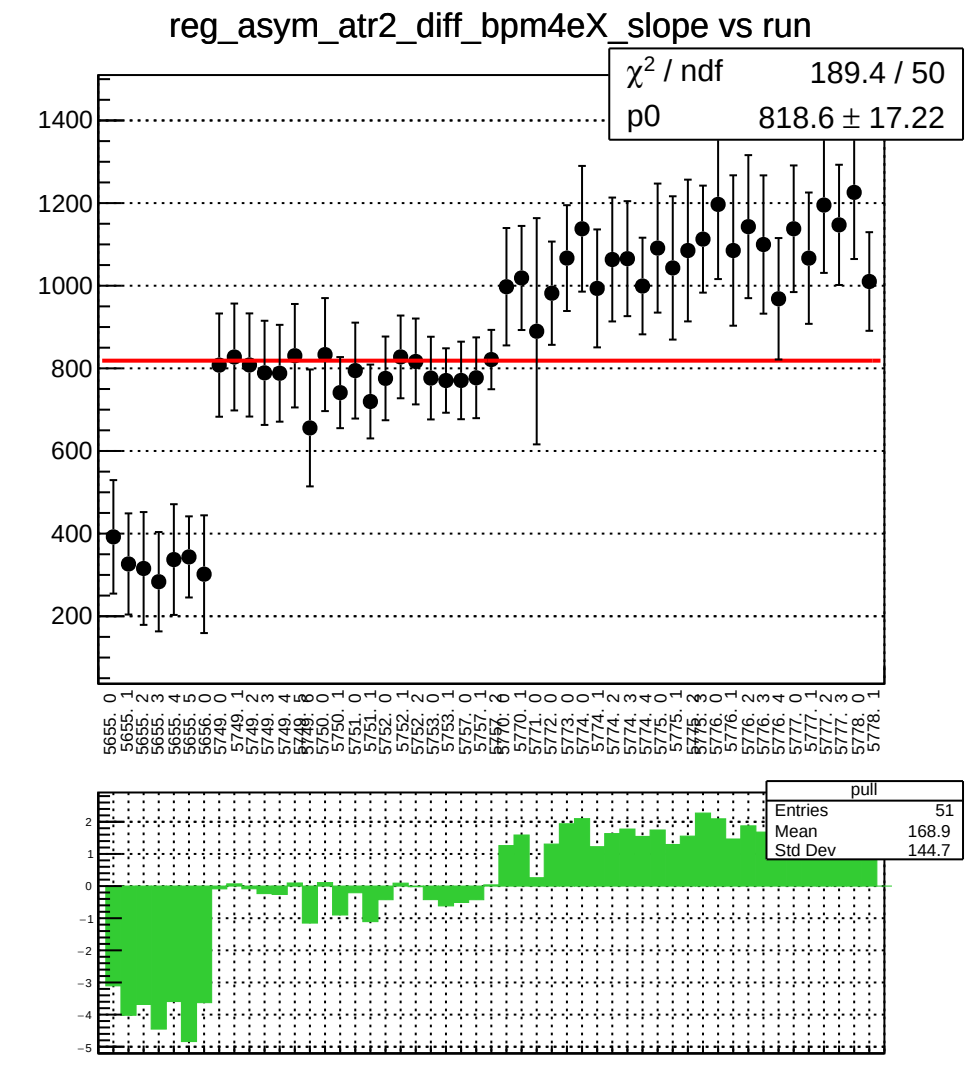

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 2028 / 50
p0 −11.52 ± 0.2176
pull
Entries 51
Mean 82.69
Std Dev 57.8

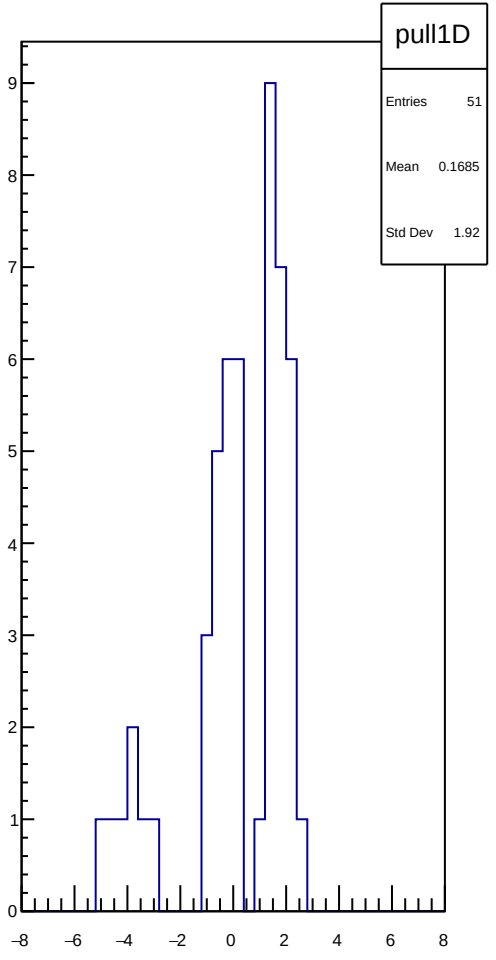

pull1D
Entries 51
Mean −2.314
Std Dev 2.864

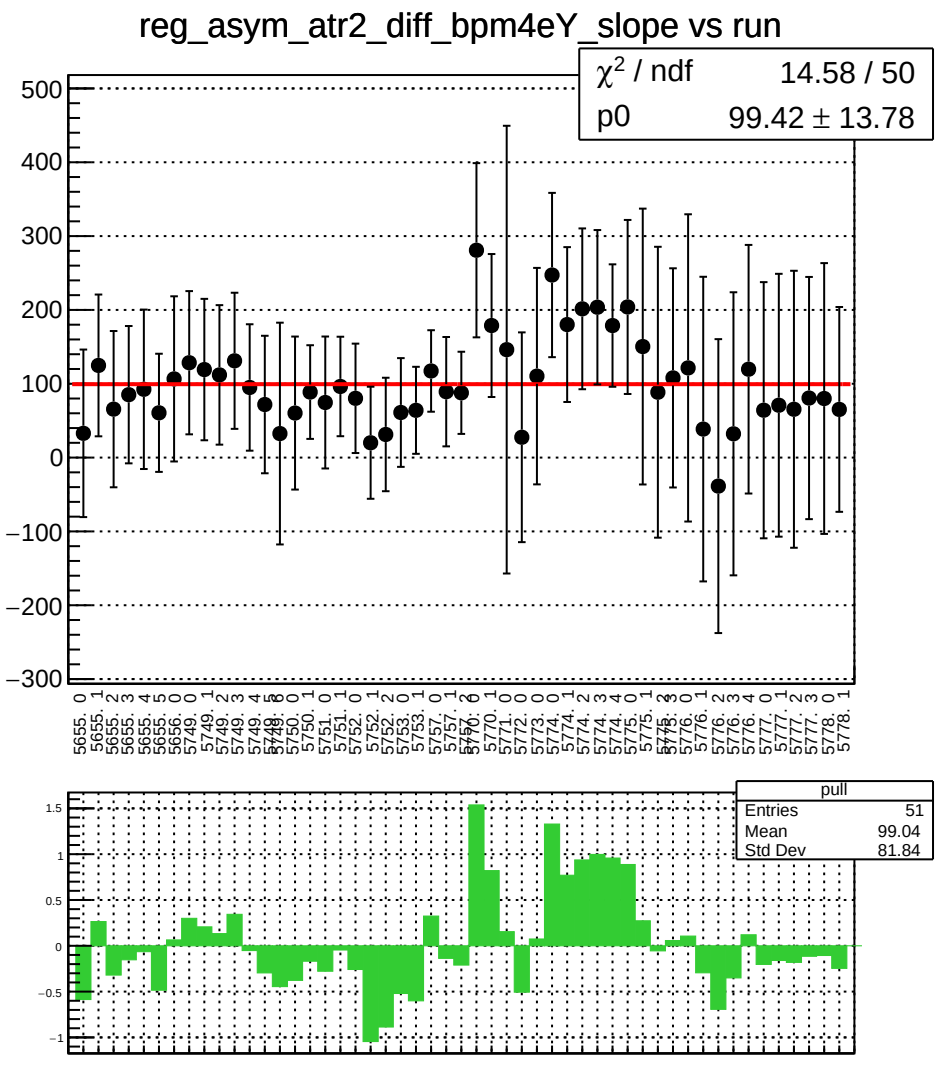

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 112.6 / 50
p0 −541 ± 13.6
pull
Entries 51
Mean 300.3
Std Dev 275.6

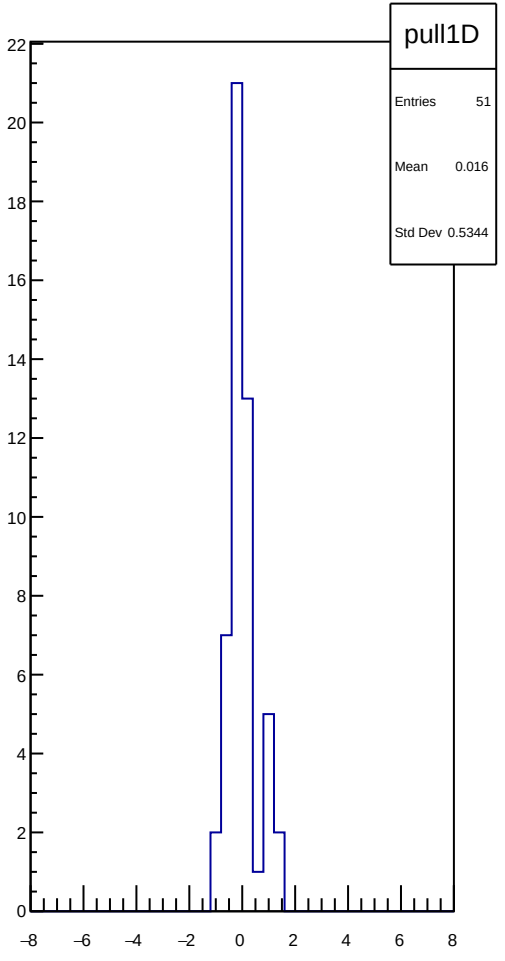

pull1D
Entries 51
Mean −0.06977
Std Dev 1.484

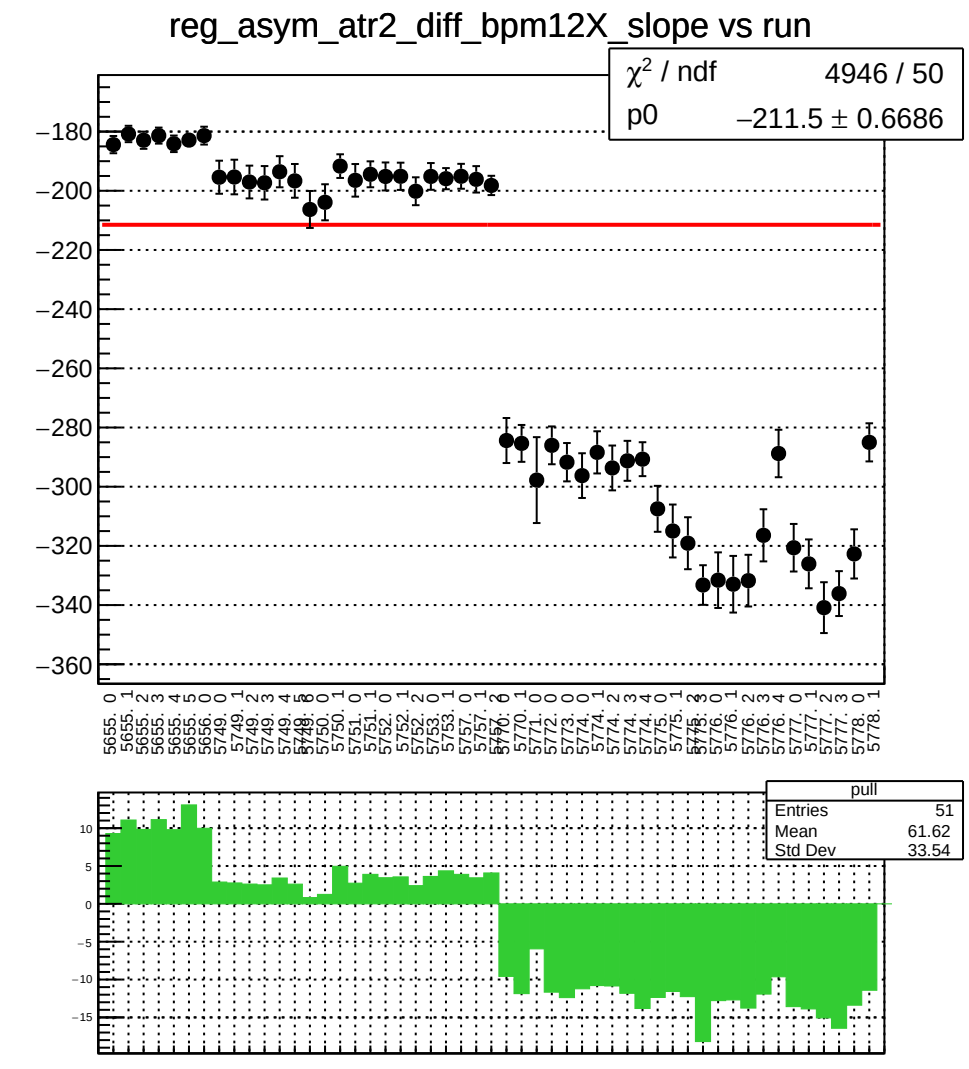

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 12.6 / 50
p0 10.54 ± 12.61
pull
Entries 51
Mean 48.98
Std Dev 14.22
pull1D
Entries 51
Mean 0.05229
Std Dev 0.4942

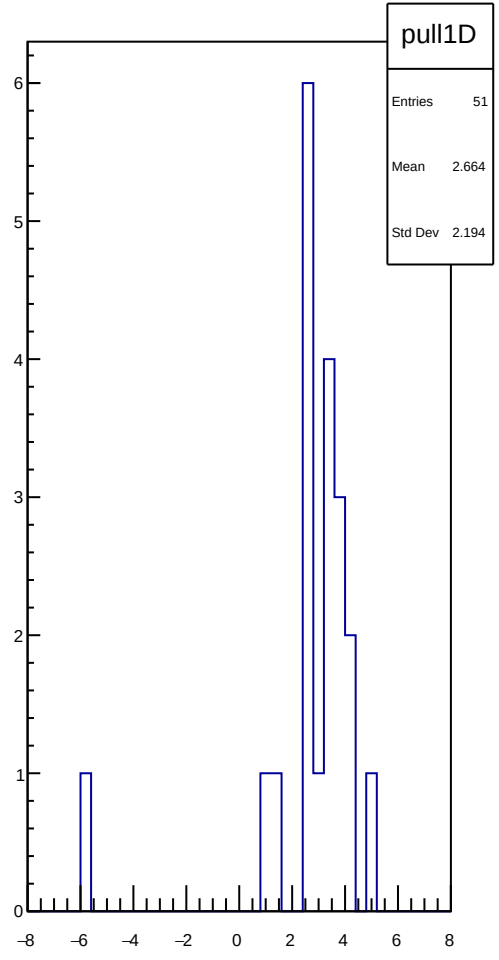

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 189.4 / 50
p0 818.6 ± 17.22
pull
Entries 51
Mean 168.9
Std Dev 144.7

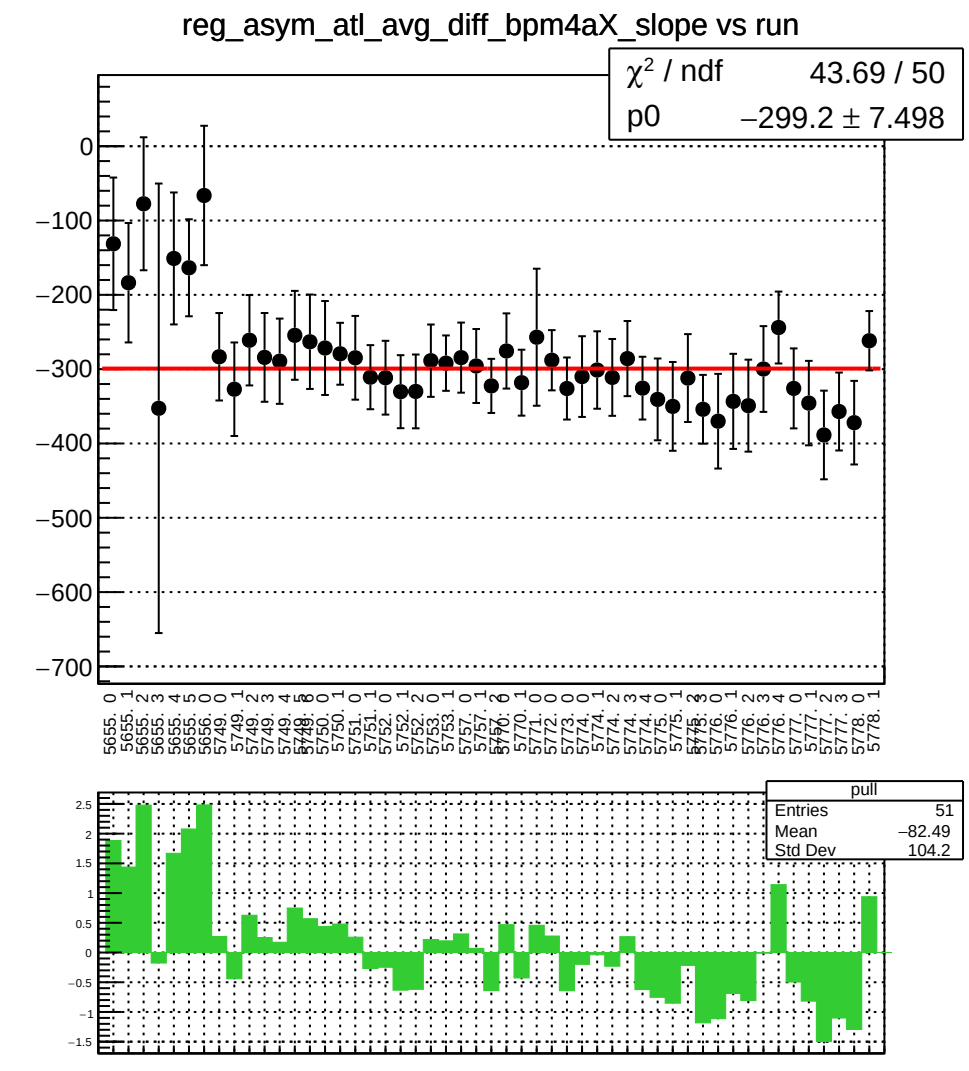

pull1D
Entries 51
Mean 0.1685
Std Dev 1.92

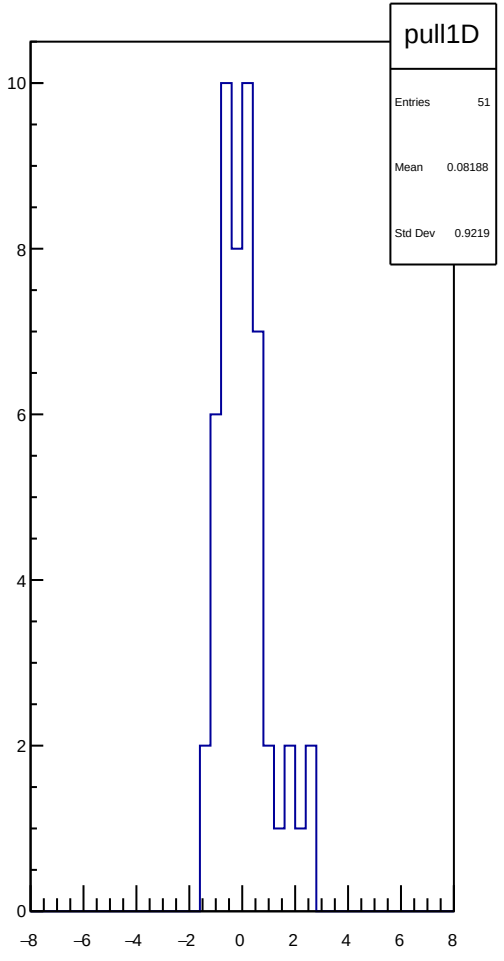

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.58 / 50
p0 99.42 ± 13.78
pull
Entries 51
Mean 99.04
Std Dev 81.84

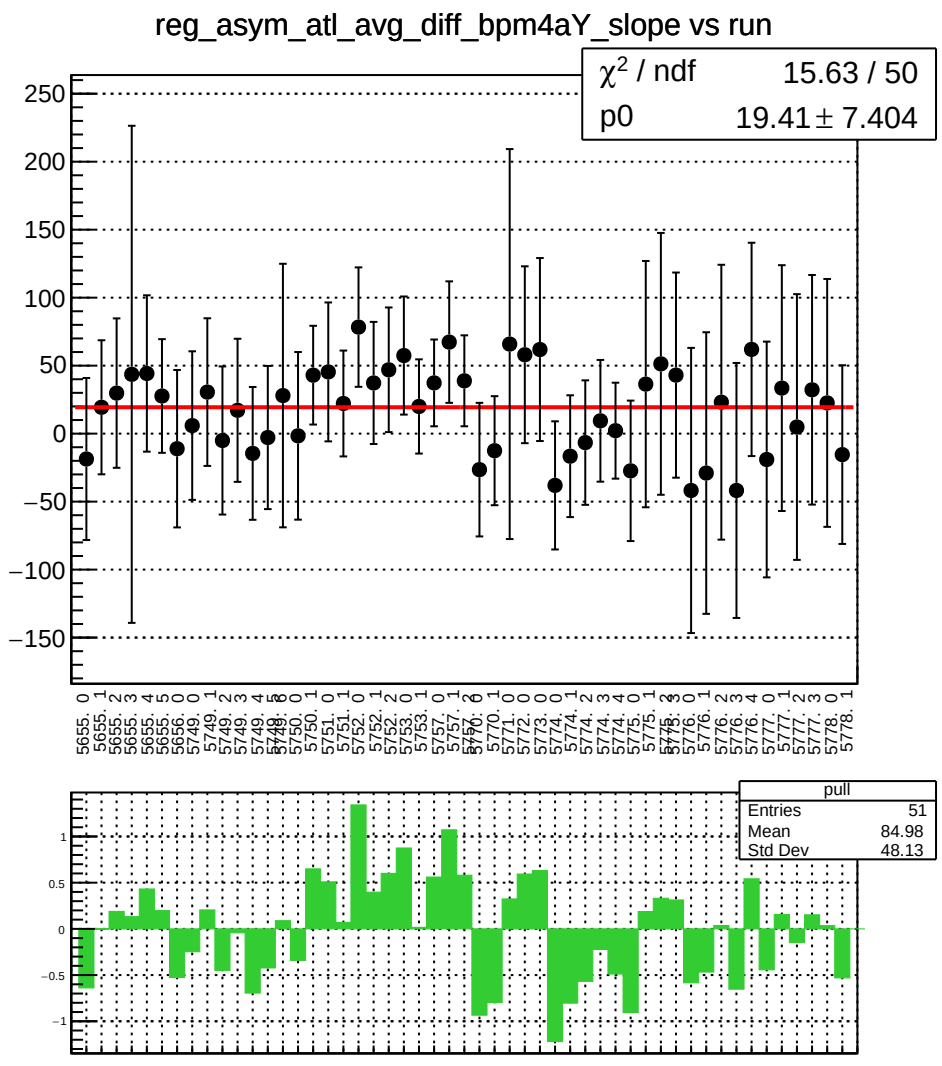

pull1D
Entries 51
Mean 0.016
Std Dev 0.5344

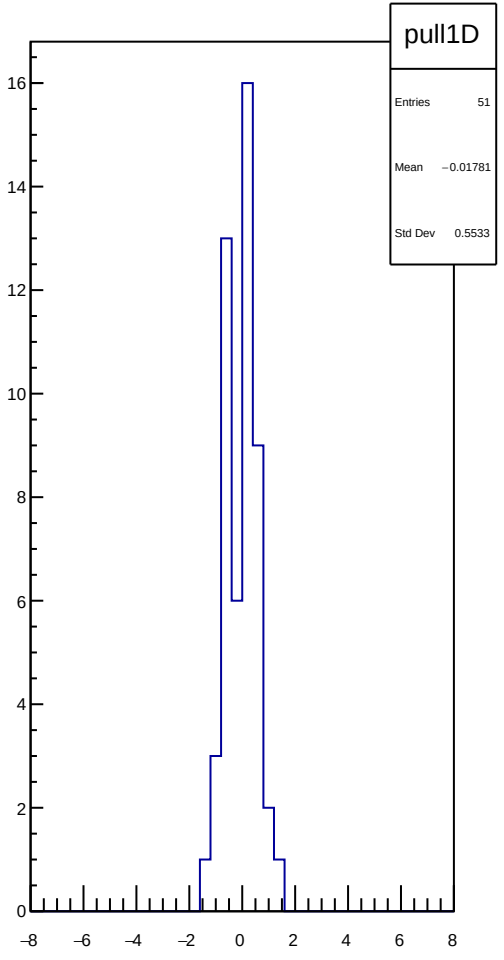

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 4946 / 50
p0 −211.5 ± 0.6686
pull
Entries 51
Mean 61.62
Std Dev 33.54

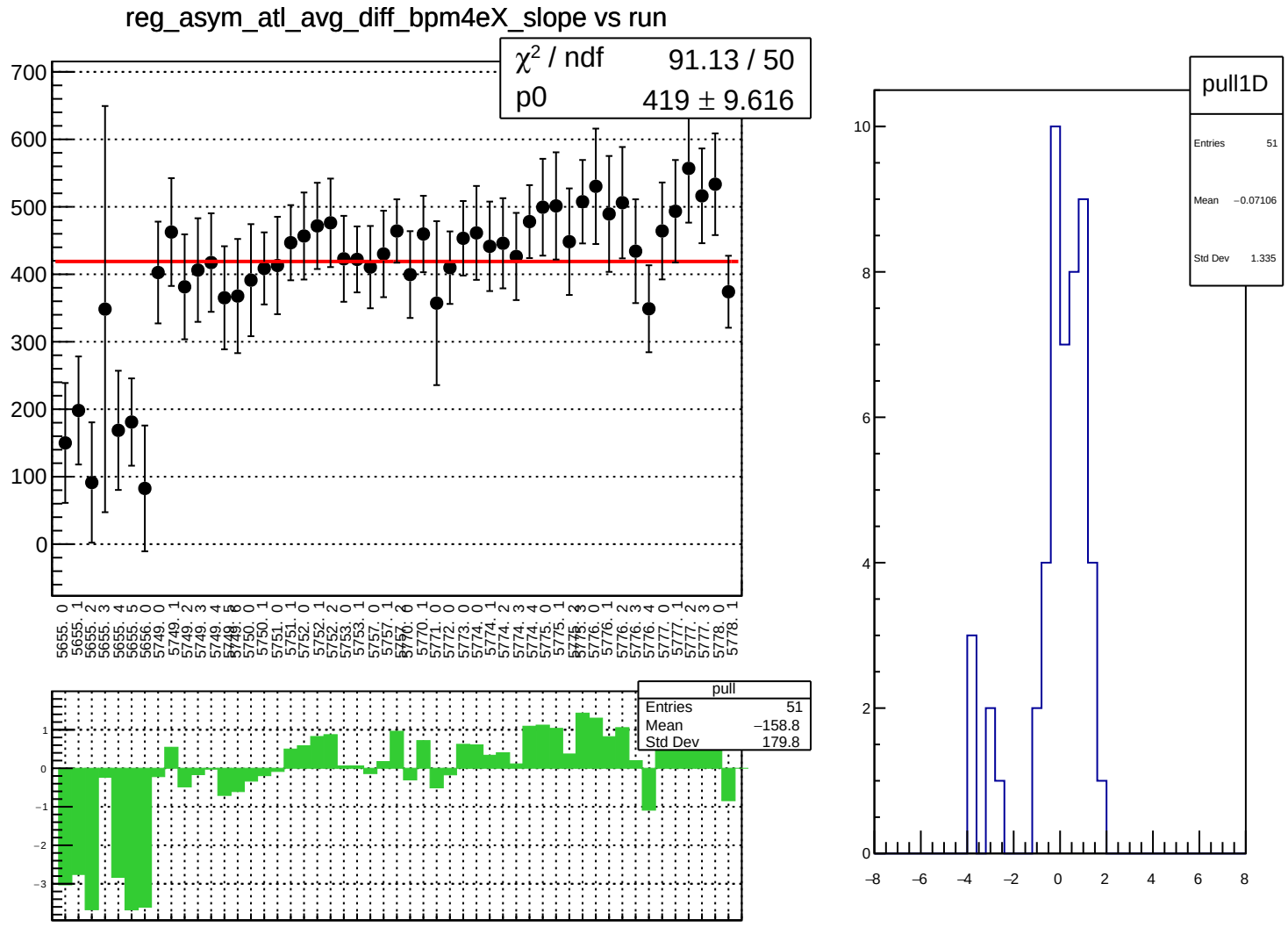

pull1D
Entries 51
Mean 2.664
Std Dev 2.194

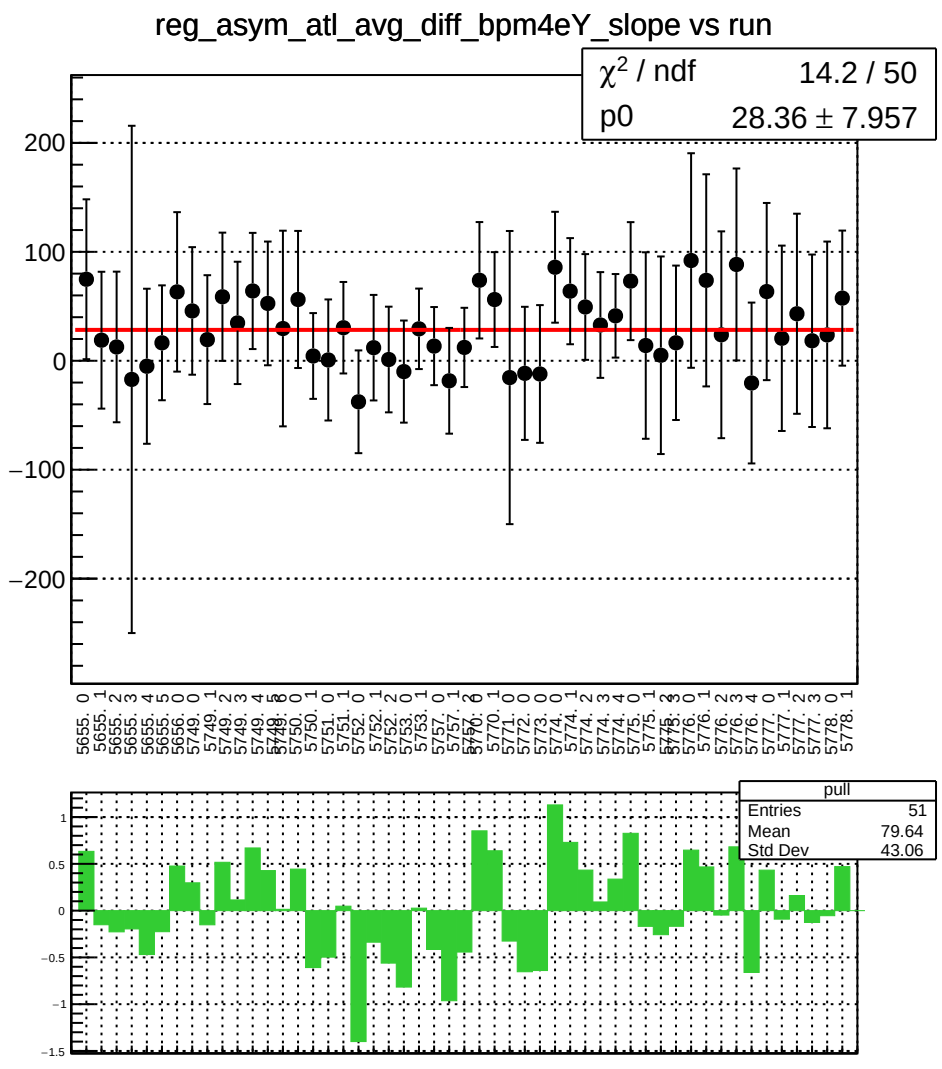

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 43.69 / 50
p0 −299.2 ± 7.498
pull
Entries 51
Mean −82.49
Std Dev 104.2

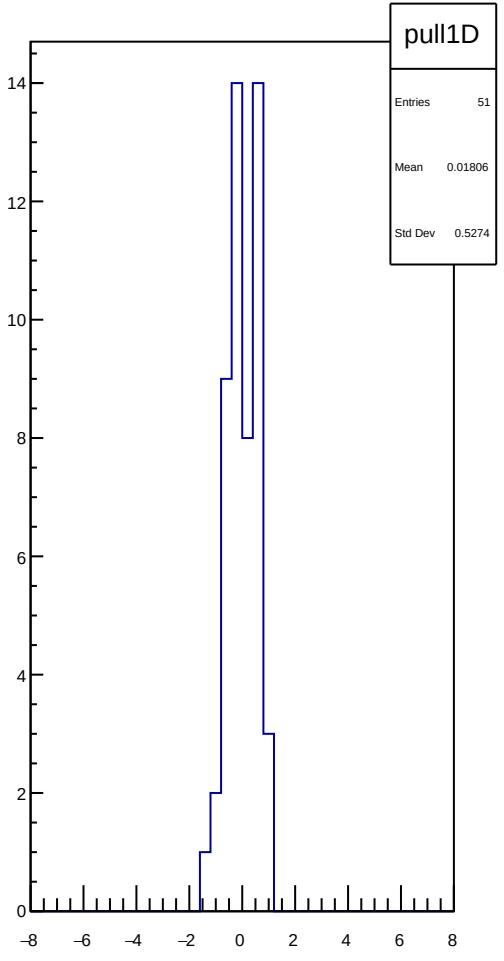

pull1D
Entries 51
Mean 0.08188
Std Dev 0.9219

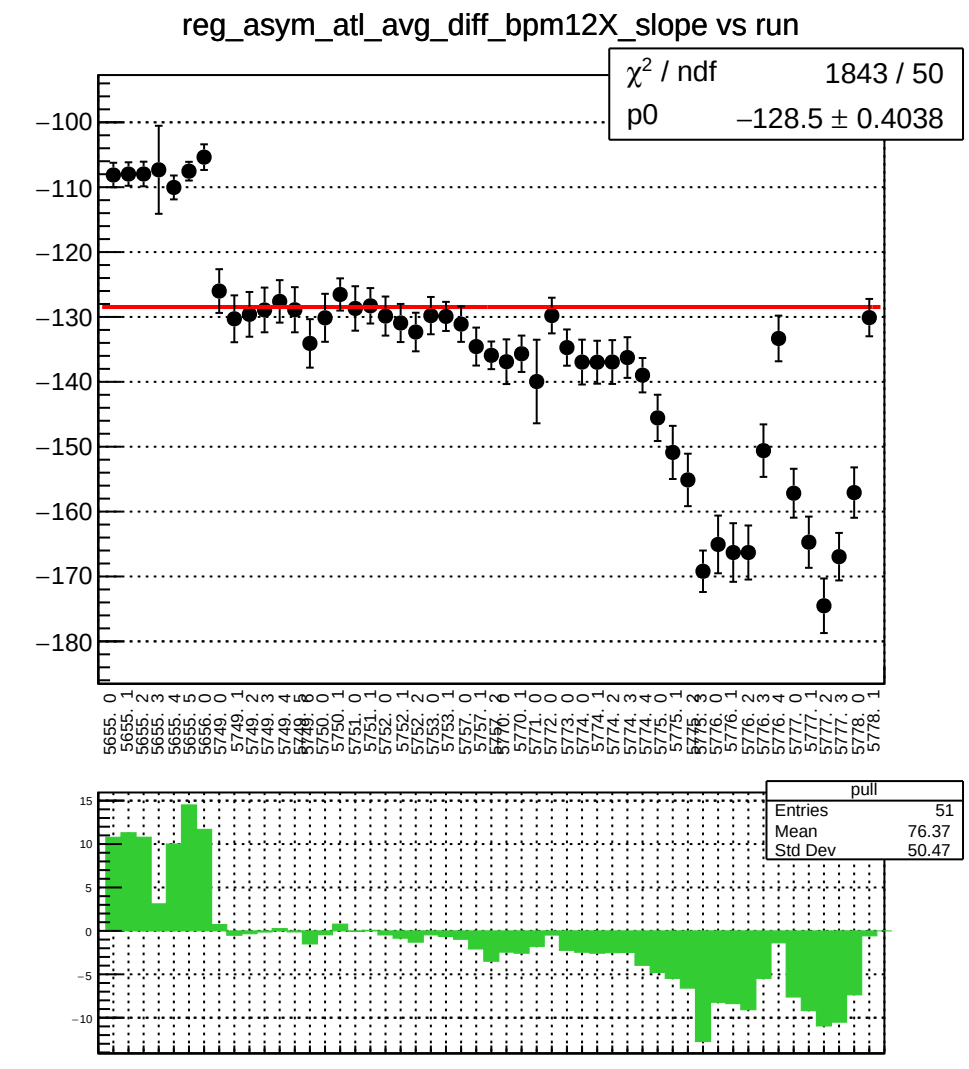

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.63 / 50
p0 19.41 ± 7.404
pull
Entries 51
Mean 84.98
Std Dev 48.13

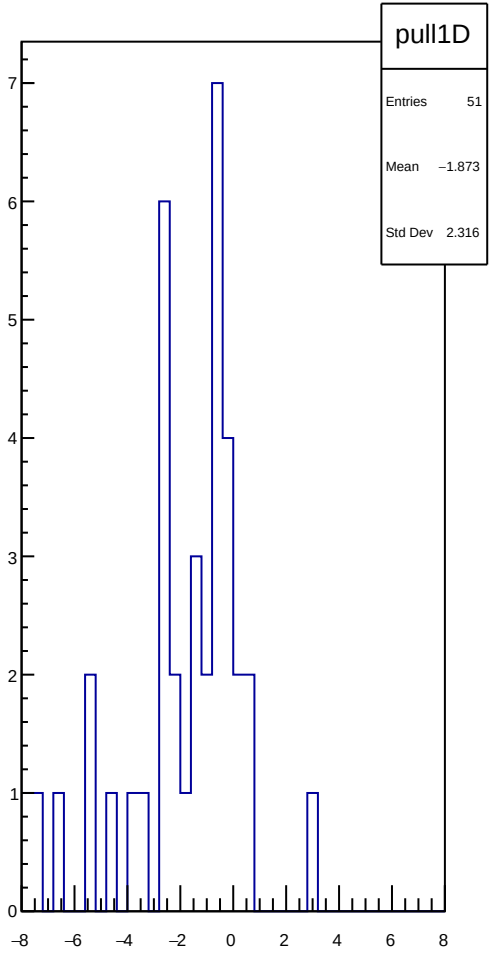

pull1D
Entries 51
Mean −0.01781
Std Dev 0.5533

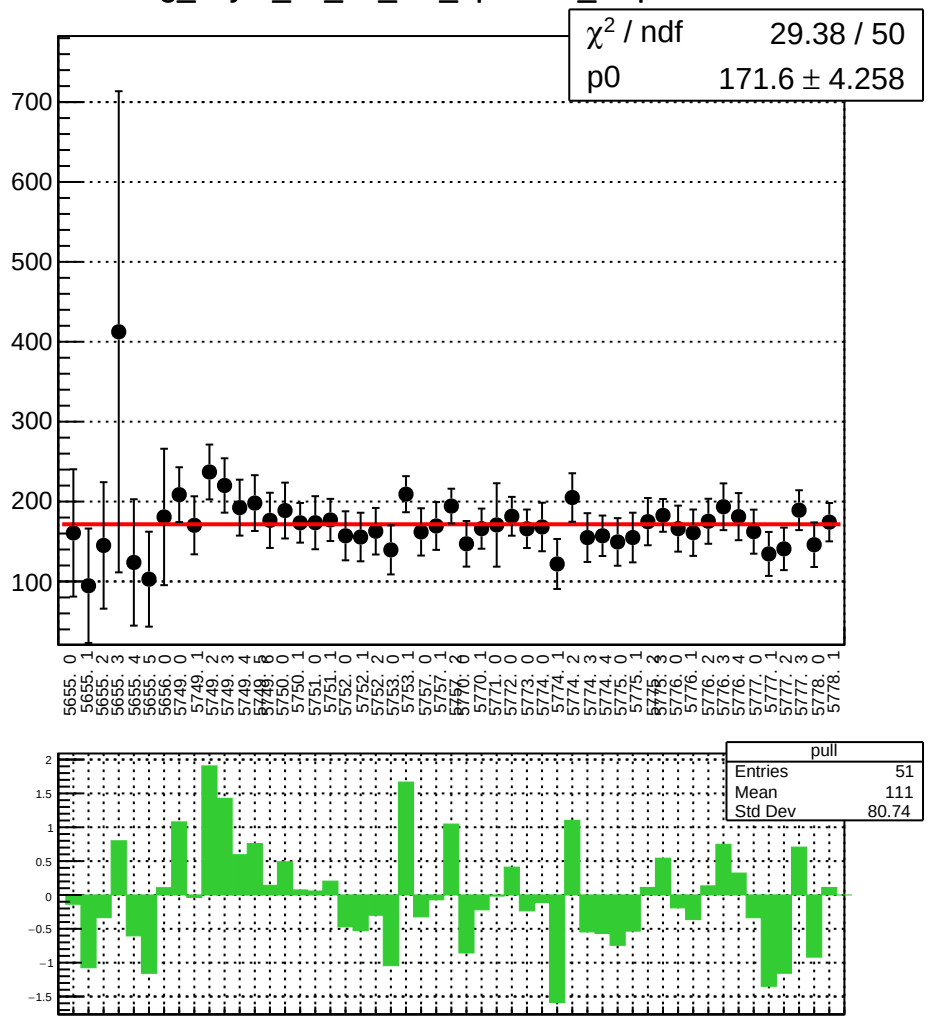

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.13 / 50
p0 419 ± 9.616
pull
Entries 51
Mean −158.8
Std Dev 179.8
pull1D
Entries 51
Mean −0.07106
Std Dev 1.335

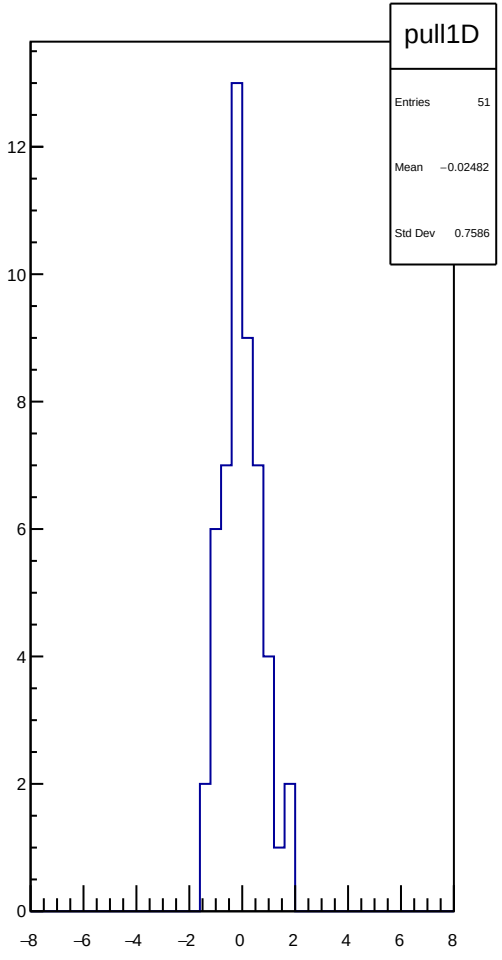

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.2 / 50
p0 28.36 ± 7.957
200
100
0
−100
−200
pull
Entries 51
Mean 79.64
Std Dev 43.06
1
0.5
0
−0.5
−1
−1.5

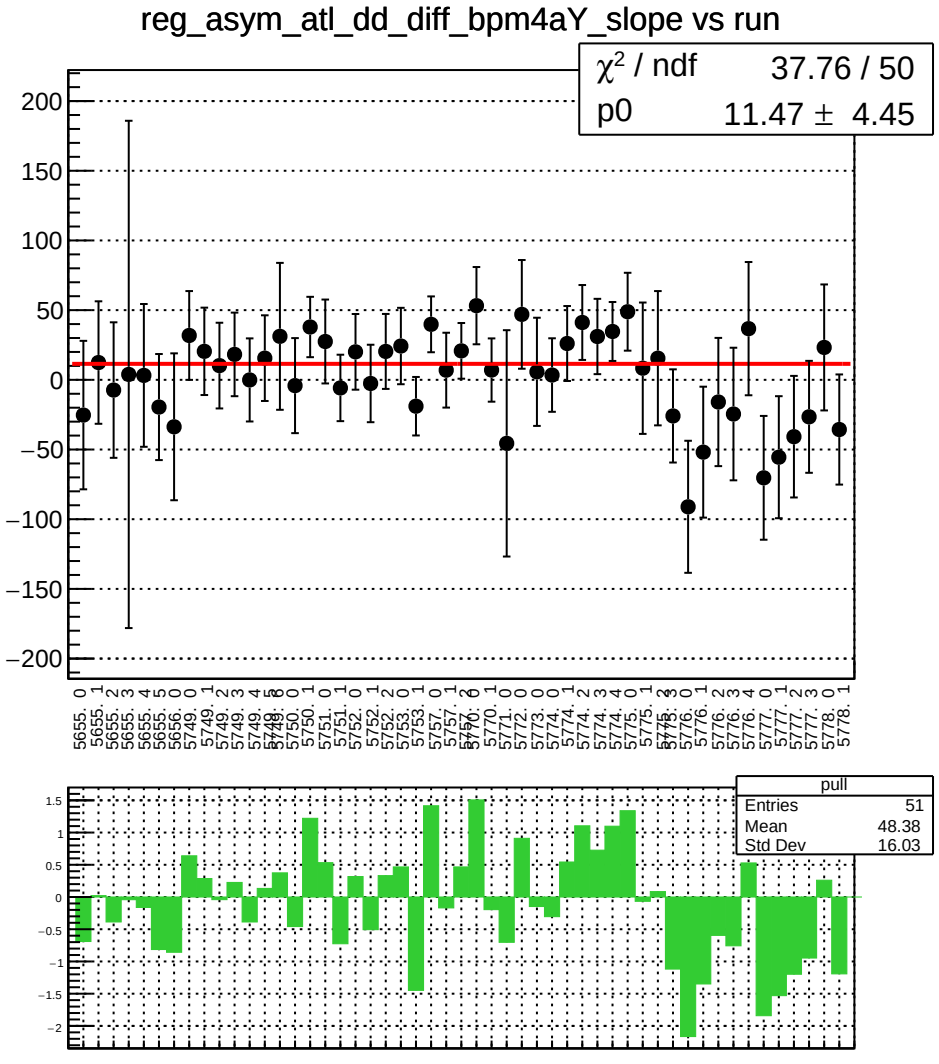

pull1D
Entries 51
Mean 0.01806
Std Dev 0.5274
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

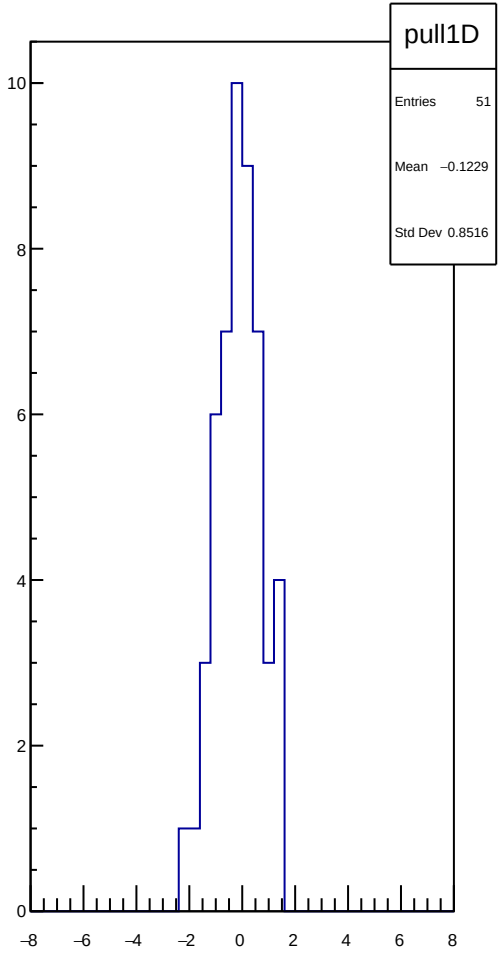

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1843 / 50
p0 −128.5 ± 0.4038
pull
Entries 51
Mean 76.37
Std Dev 50.47

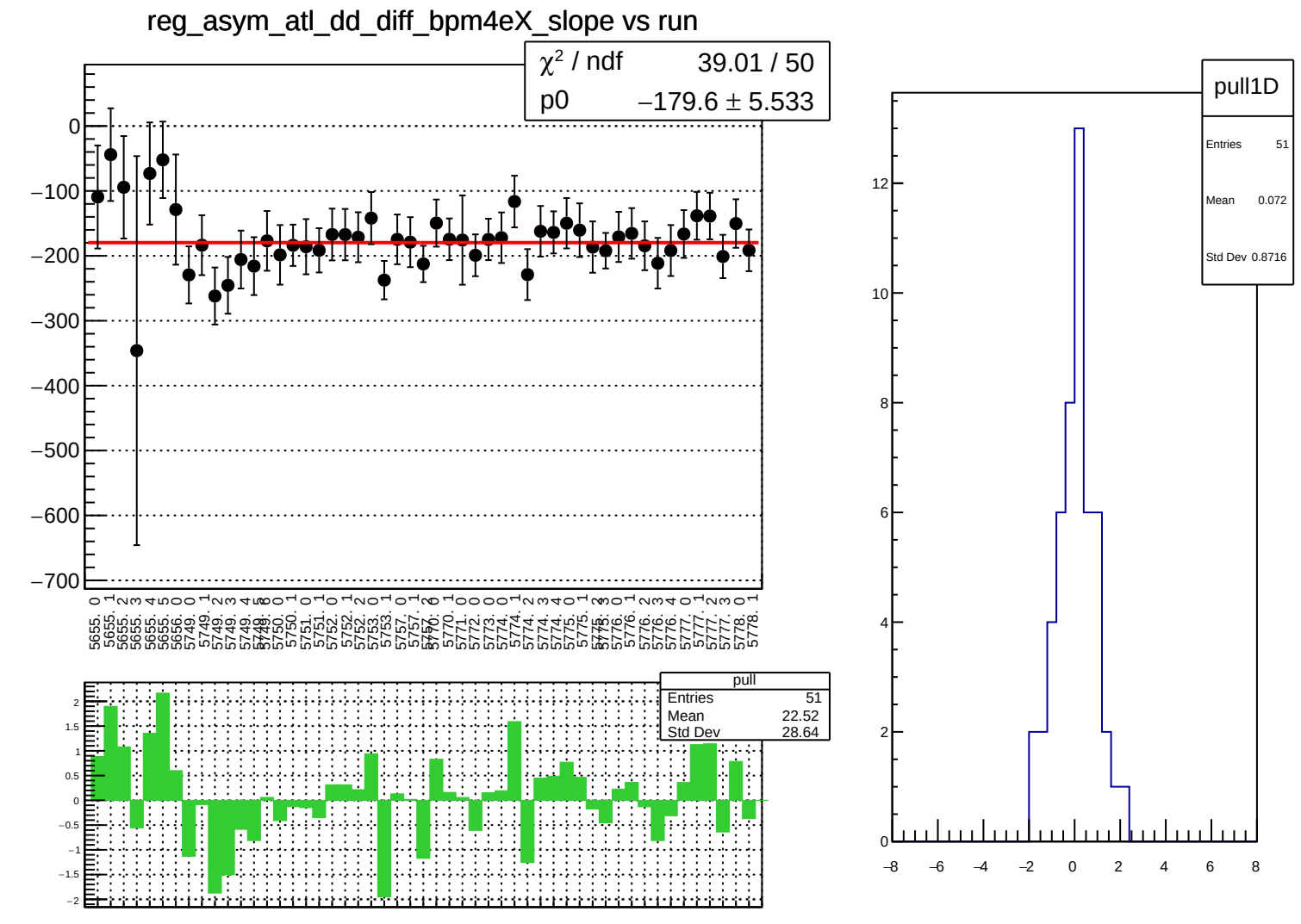

pull1D
Entries 51
Mean −1.873
Std Dev 2.316

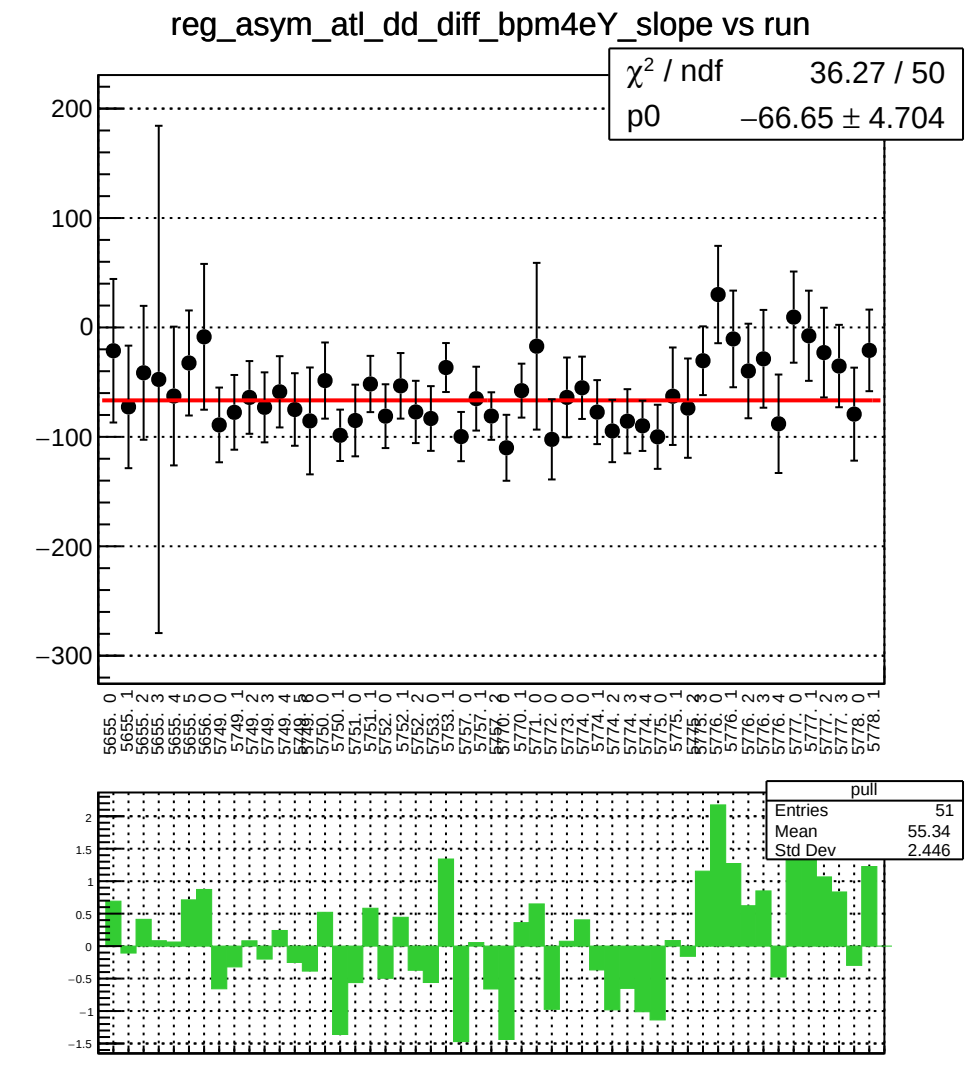

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 29.38 / 50
p0 171.6 ± 4.258
pull
Entries 51
Mean 111
Std Dev 80.74

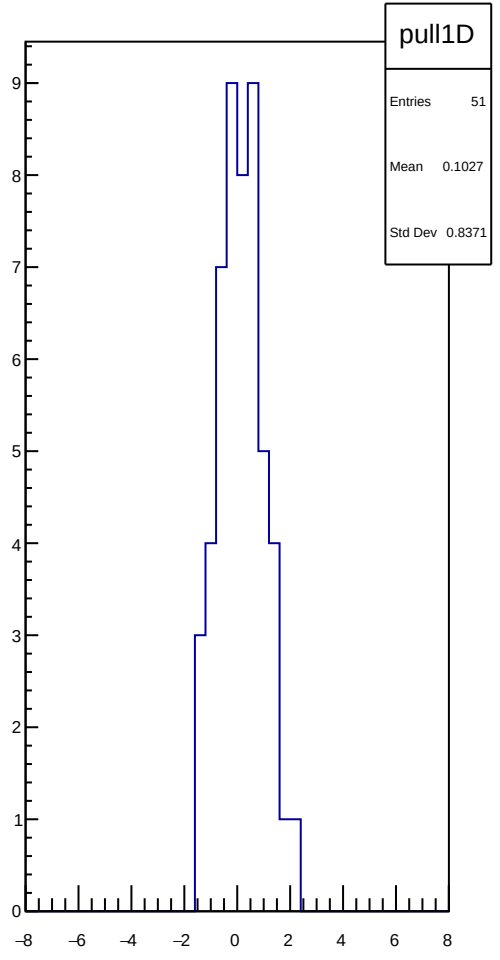

pull1D
Entries 51
Mean −0.02482
Std Dev 0.7586

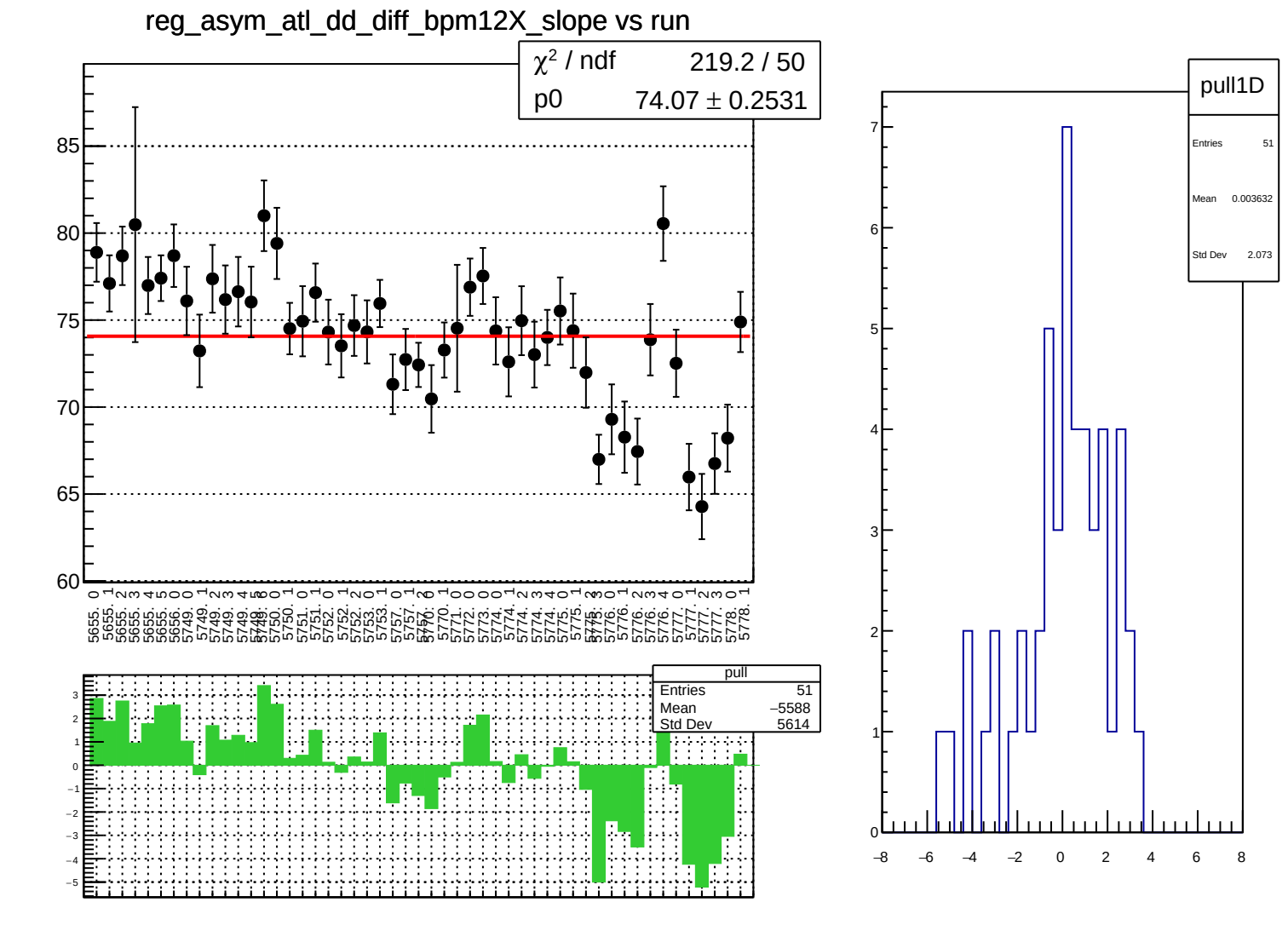

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.76 / 50
p0 11.47 ± 4.45
pull
Entries 51
Mean 48.38
Std Dev 16.03

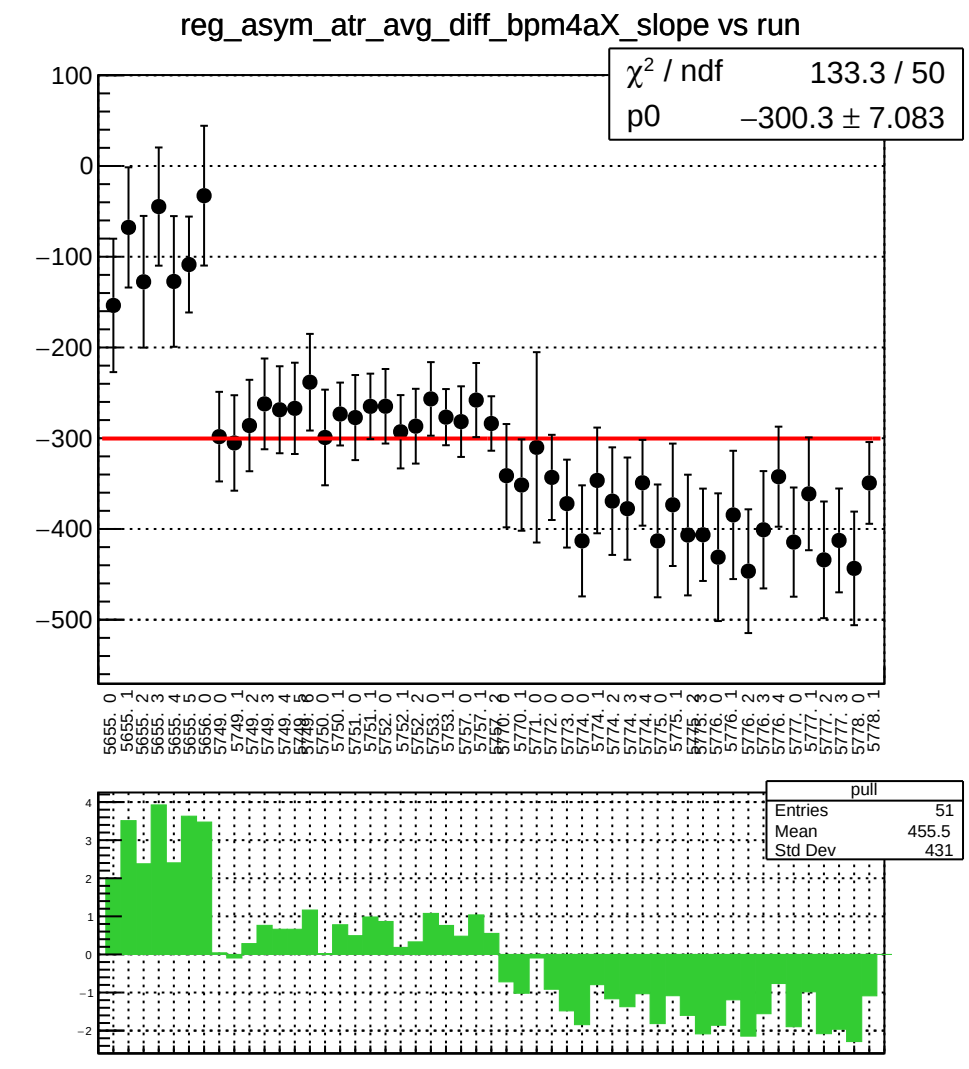

pull1D
Entries 51
Mean −0.1229
Std Dev 0.8516

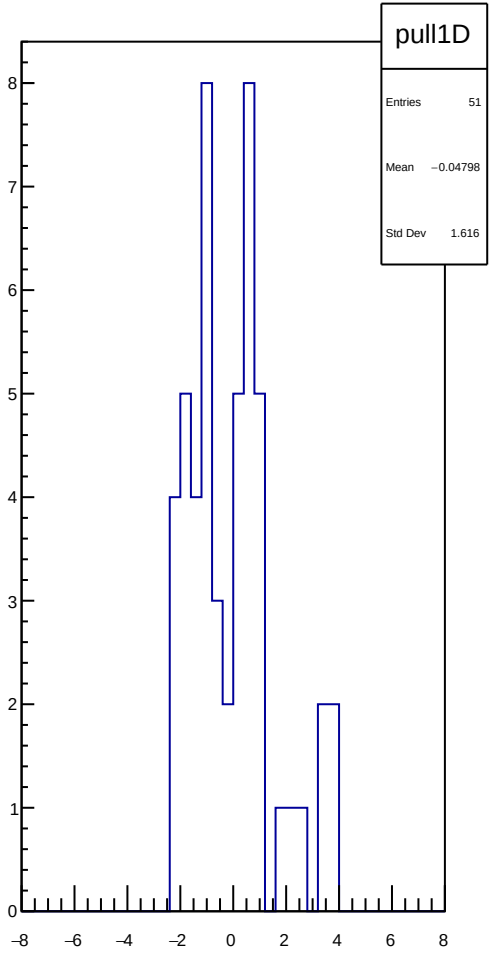

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.01 / 50
p0 −179.6 ± 5.533
pull
Entries 51
Mean 22.52
Std Dev 28.64
pull1D
Entries 51
Mean 0.072
Std Dev 0.8716

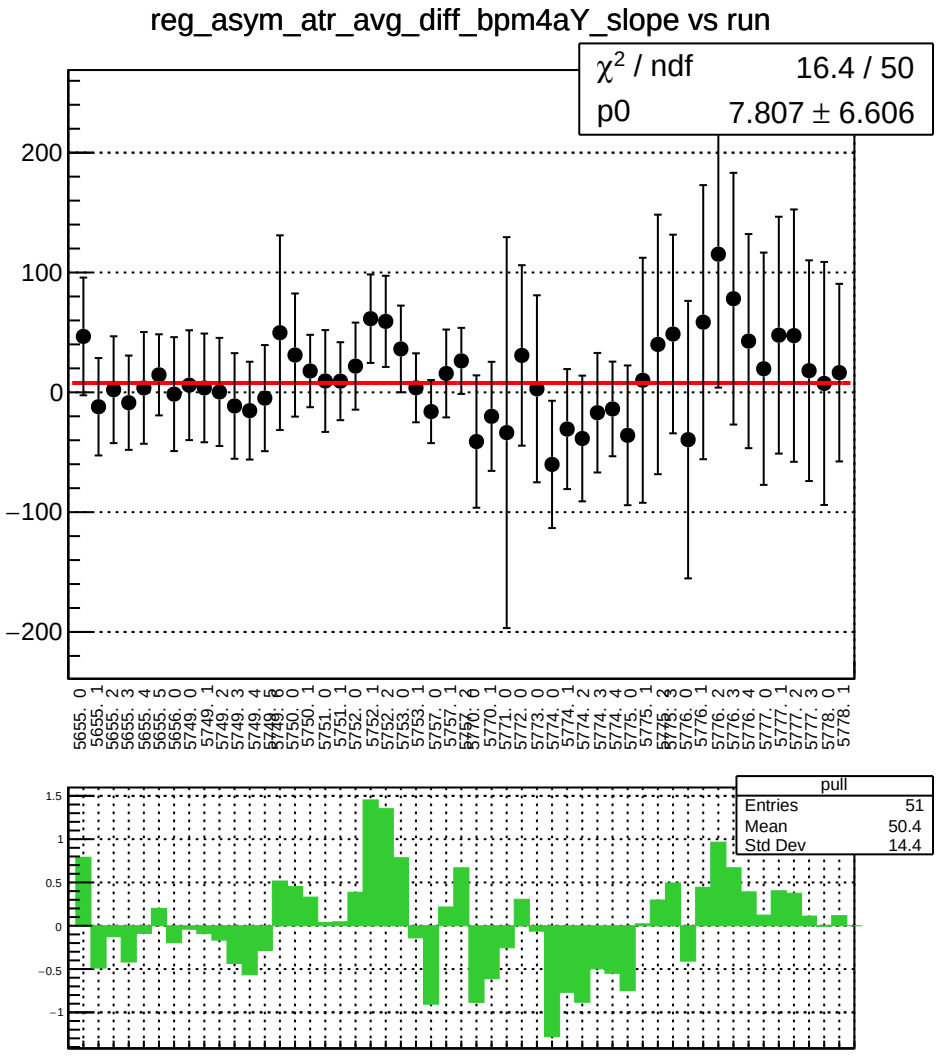

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.27 / 50
p0 −66.65 ± 4.704
pull
Entries 51
Mean 55.34
Std Dev 2.446

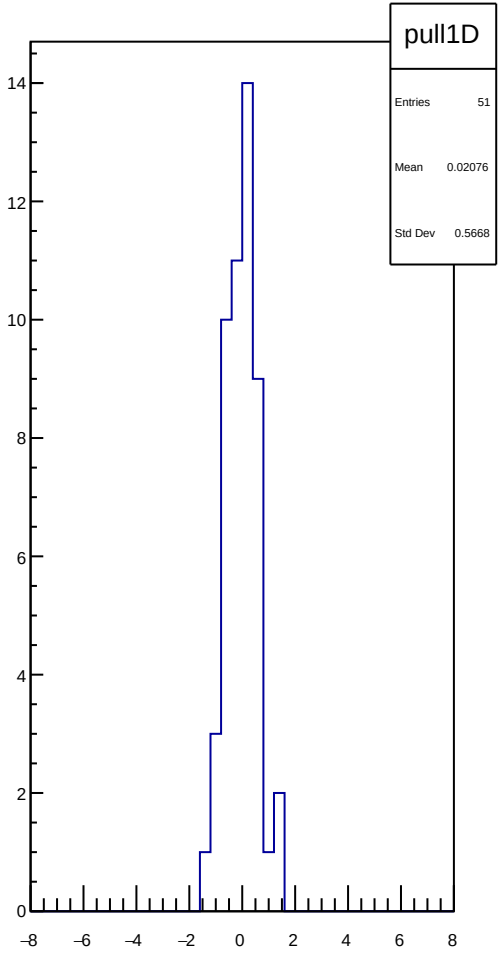

pull1D
Entries 51
Mean 0.1027
Std Dev 0.8371

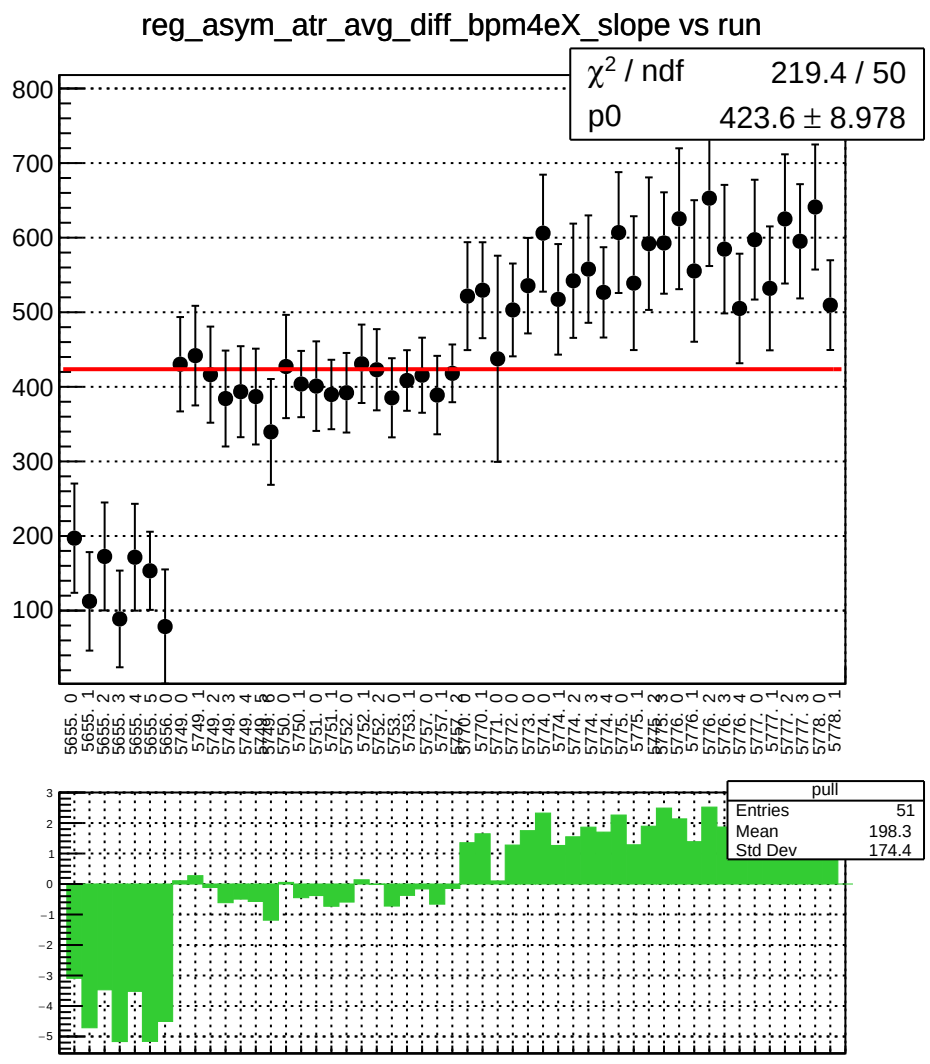

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 219.2 / 50
p0 74.07 ± 0.2531
pull
Entries 51
Mean −5588
Std Dev 5614
pull1D
Entries 51
Mean 0.003632
Std Dev 2.073

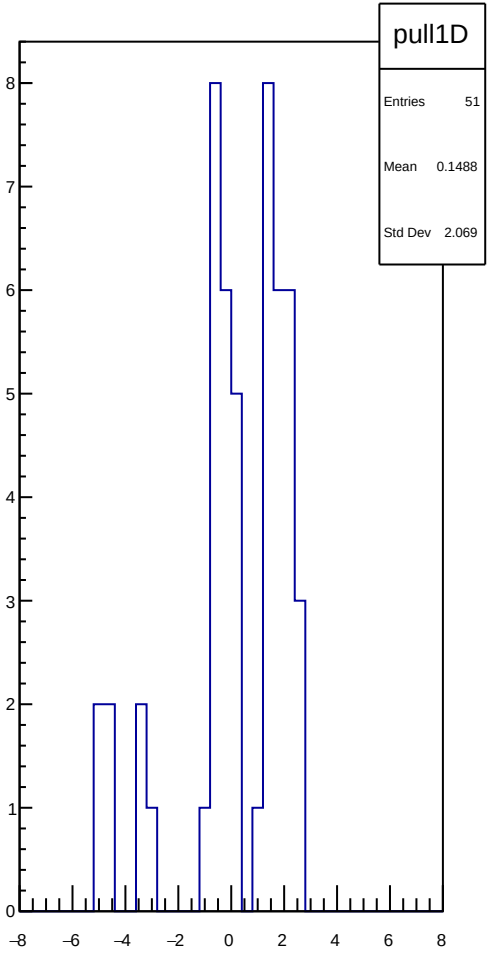

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 133.3 / 50
p0 −300.3 ± 7.083
pull
Entries 51
Mean 455.5
Std Dev 431

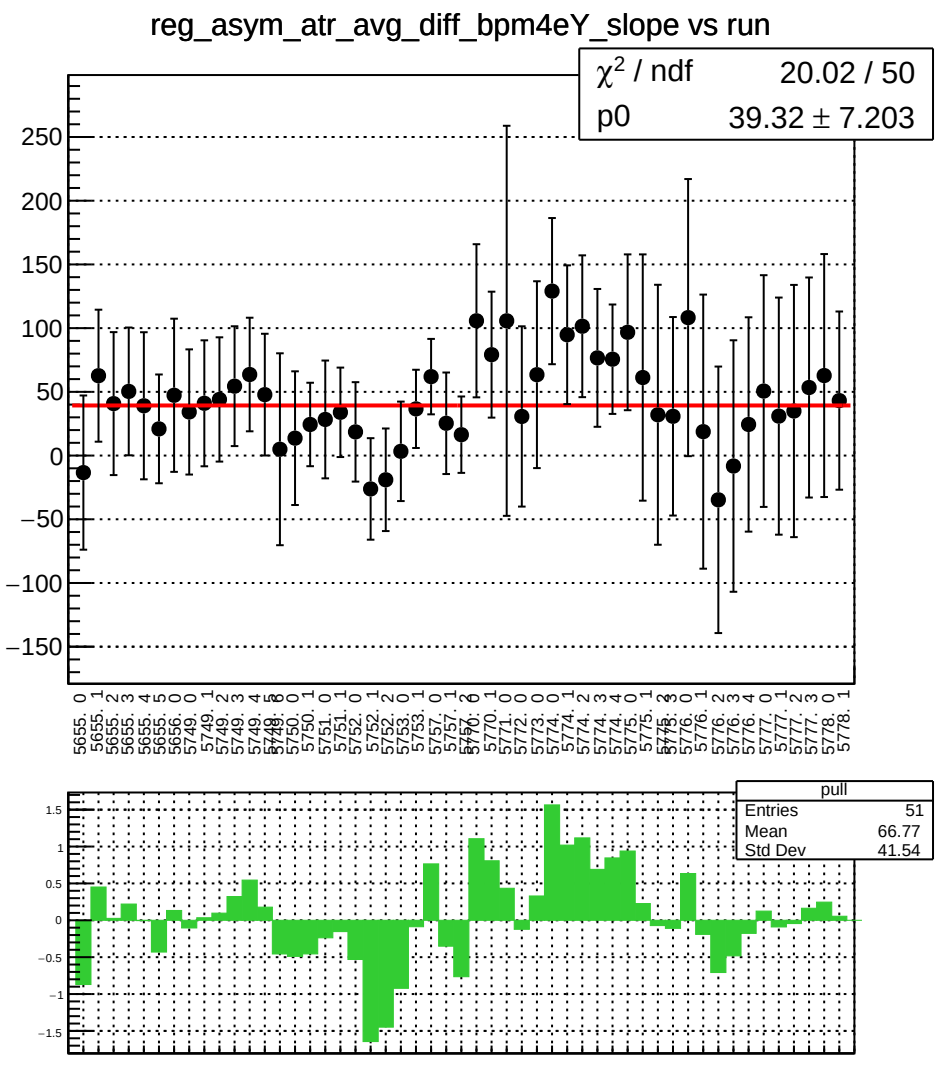

pull1D
Entries 51
Mean −0.04798
Std Dev 1.616

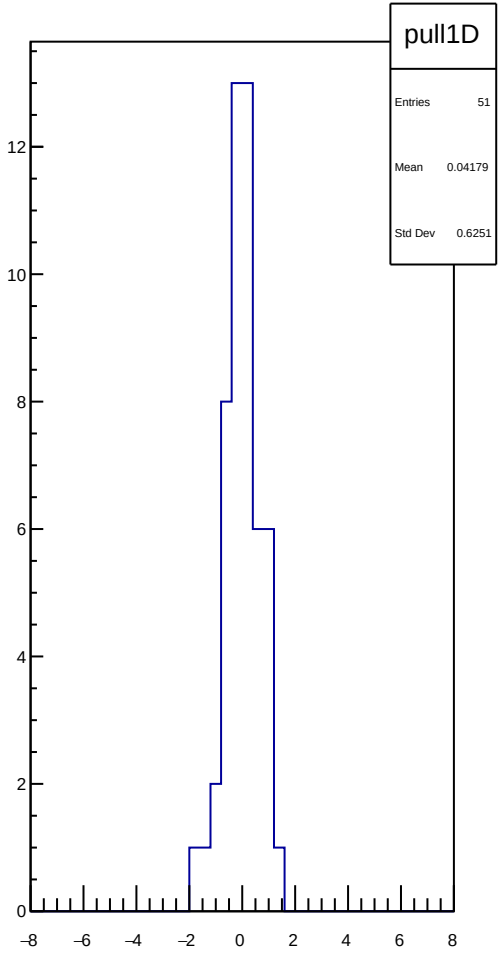

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.4 / 50
p0 7.807 ± 6.606
pull
Entries 51
Mean 50.4
Std Dev 14.4

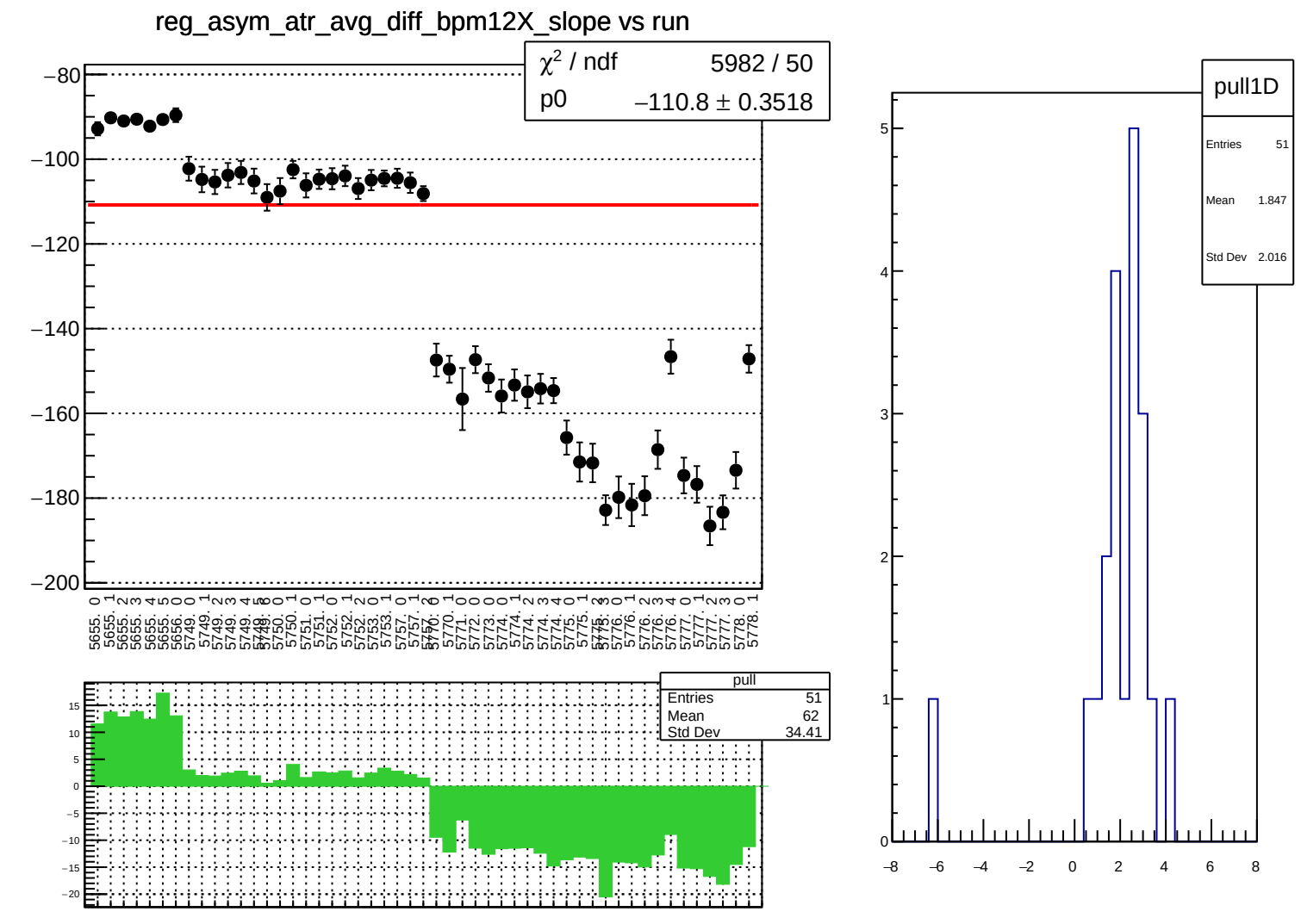

pull1D
Entries 51
Mean 0.02076
Std Dev 0.5668

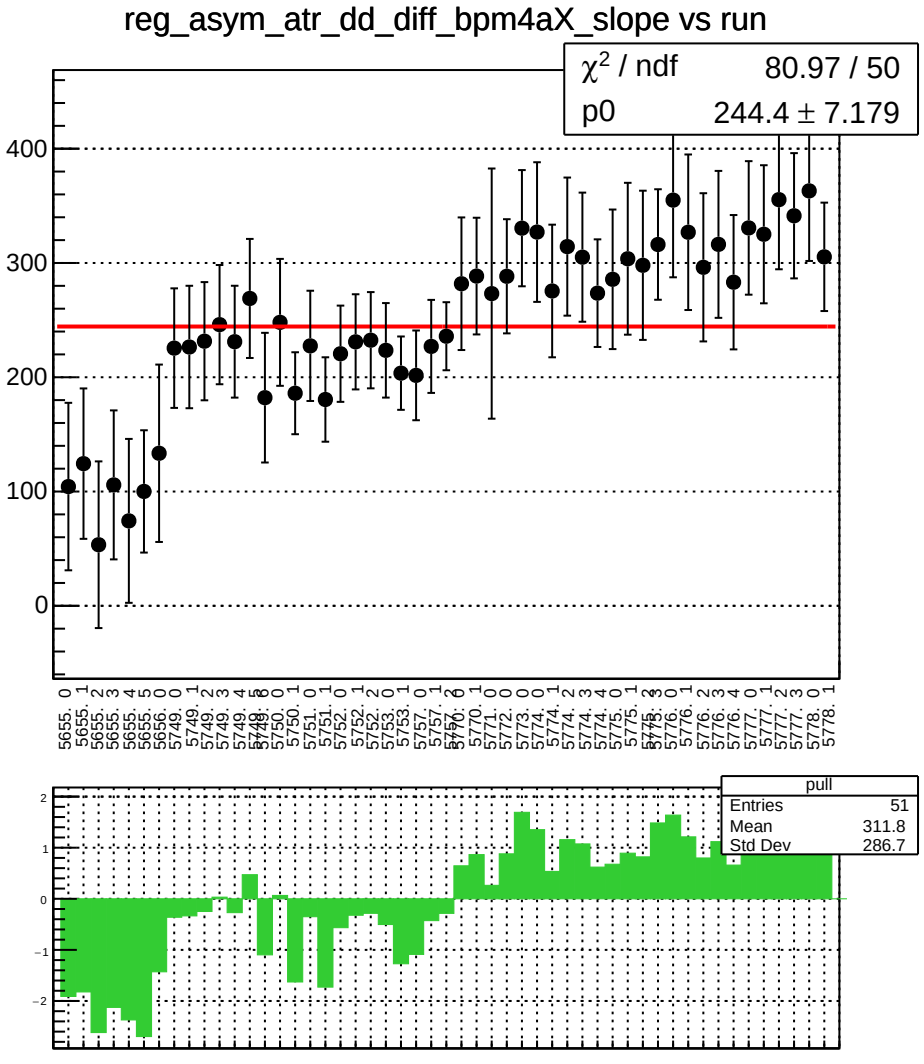

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.4 / 50
p0 423.6 ± 8.978
pull
Entries 51
Mean 198.3
Std Dev 174.4

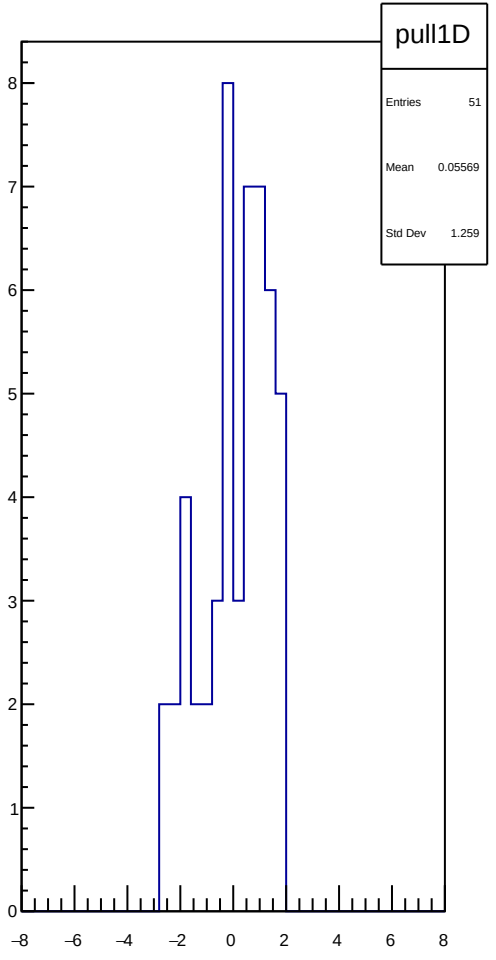

pull1D
Entries 51
Mean 0.1488
Std Dev 2.069

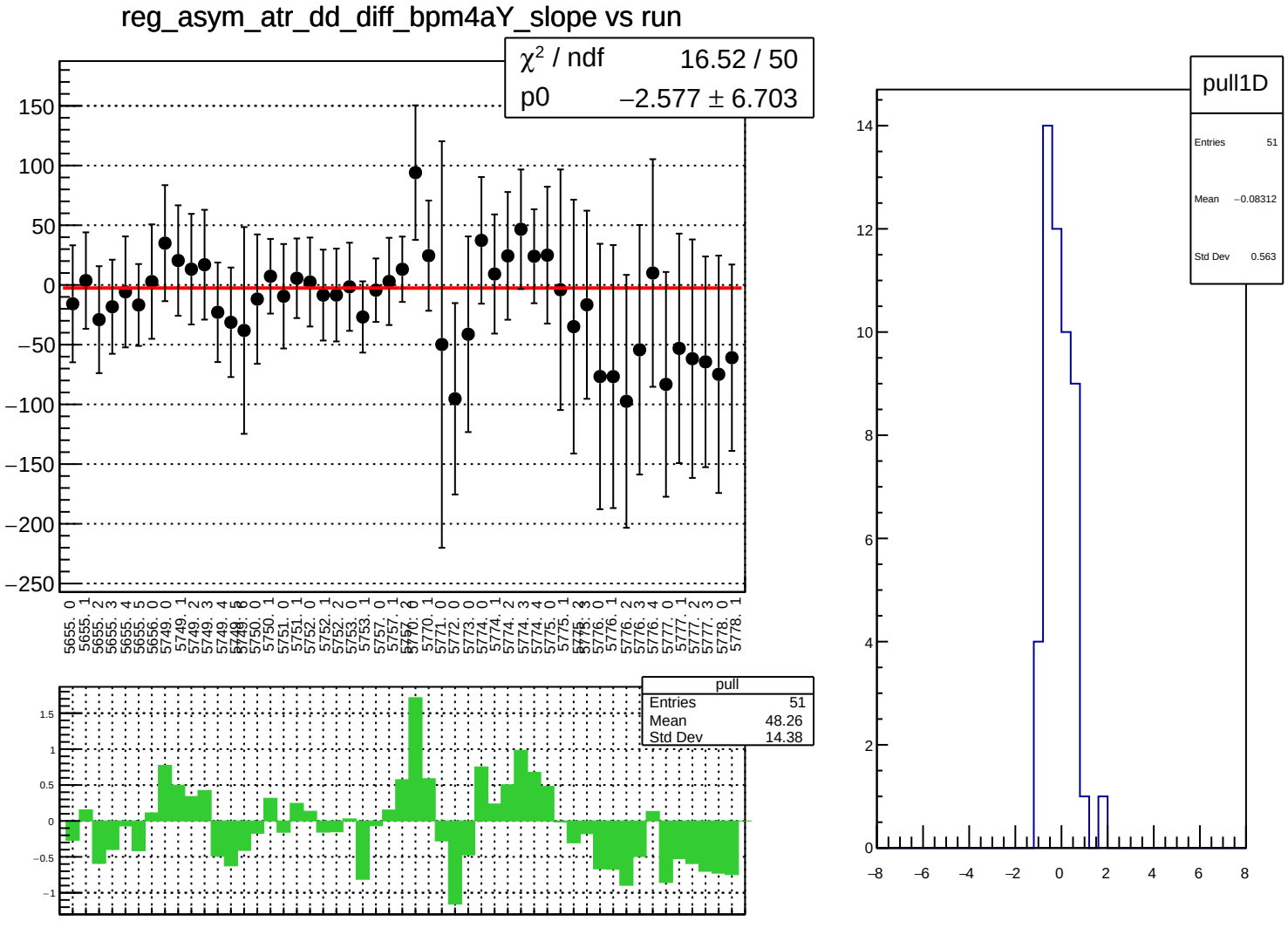

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.02 / 50
p0 39.32 ± 7.203
pull
Entries 51
Mean 66.77
Std Dev 41.54

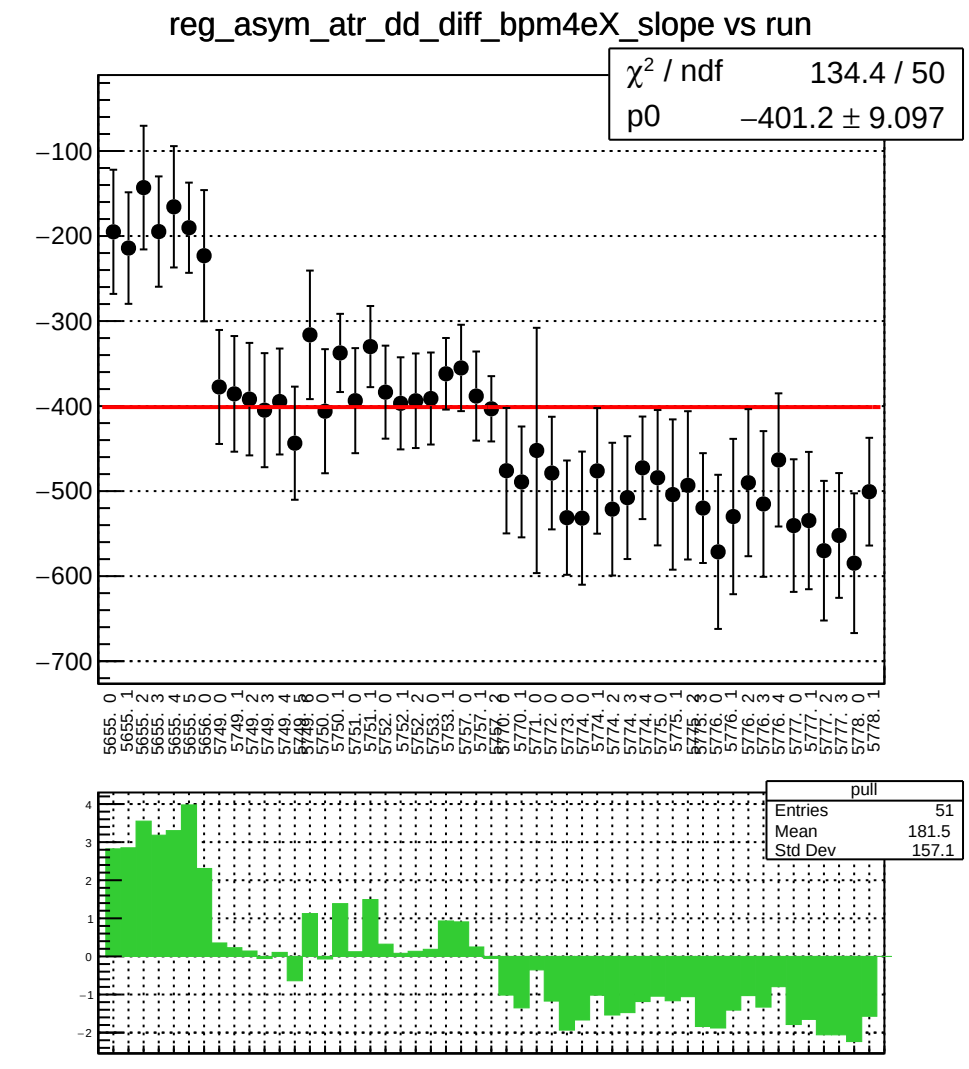

pull1D
Entries 51
Mean 0.04179
Std Dev 0.6251

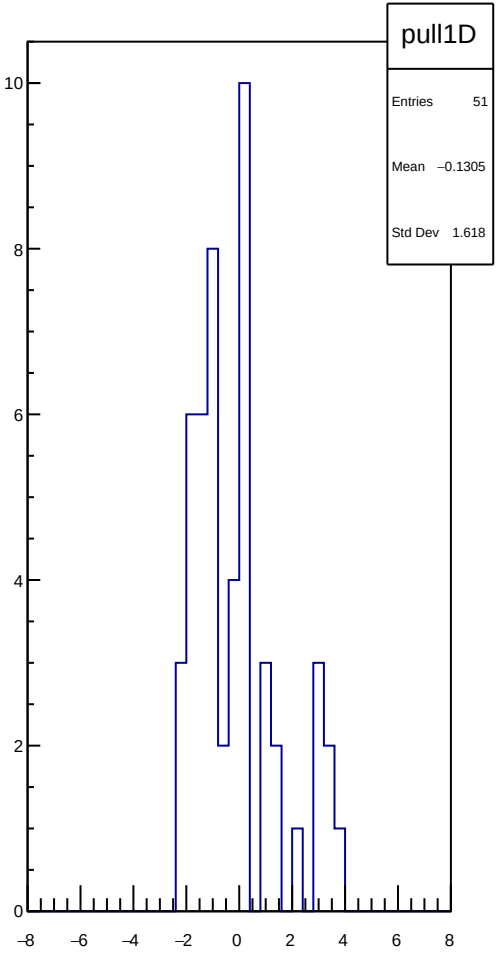

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 5982 / 50
p0 −110.8 ± 0.3518
pull
Entries 51
Mean 62
Std Dev 34.41
pull1D
Entries 51
Mean 1.847
Std Dev 2.016

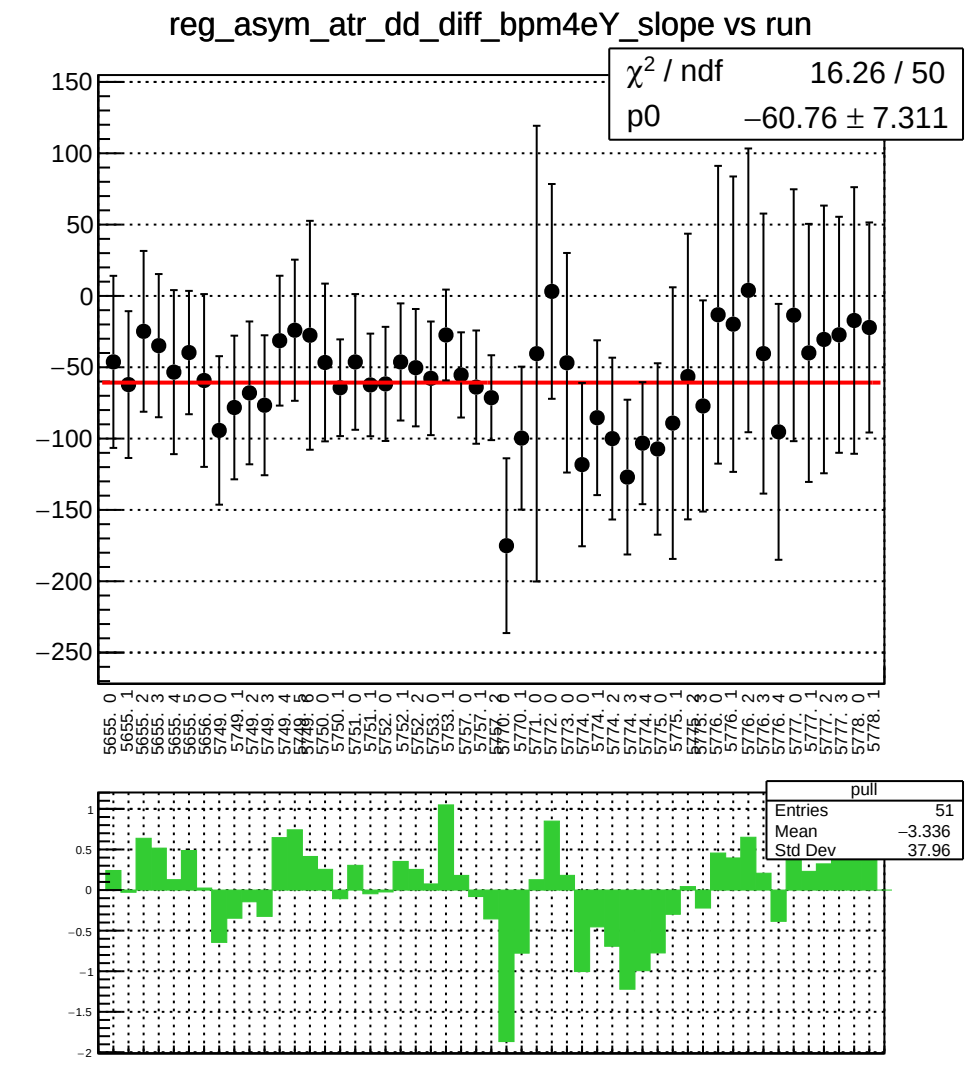

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 80.97 / 50
p0 244.4 ± 7.179
400
300
200
100
0
pull
Entries 51
Mean 311.8
Std Dev 286.7
2
1
0
−1
−2

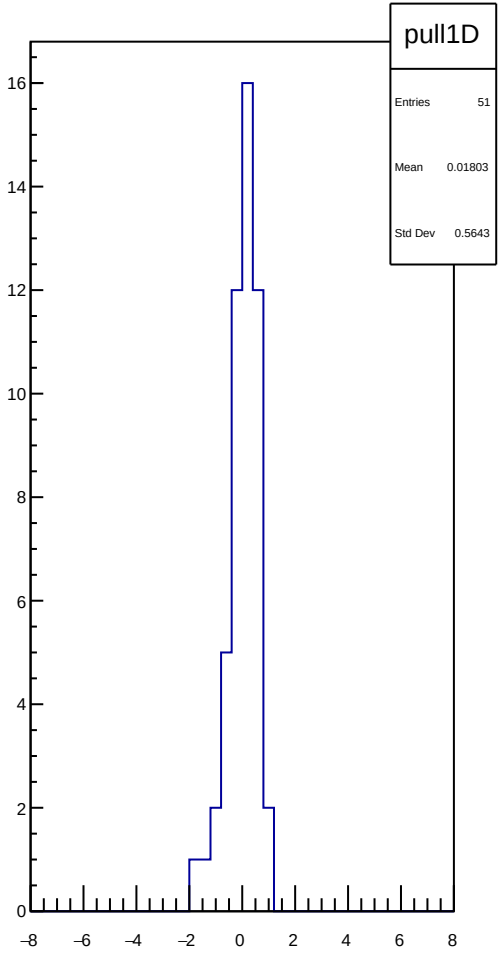

pull1D
Entries 51
Mean 0.05569
Std Dev 1.259
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

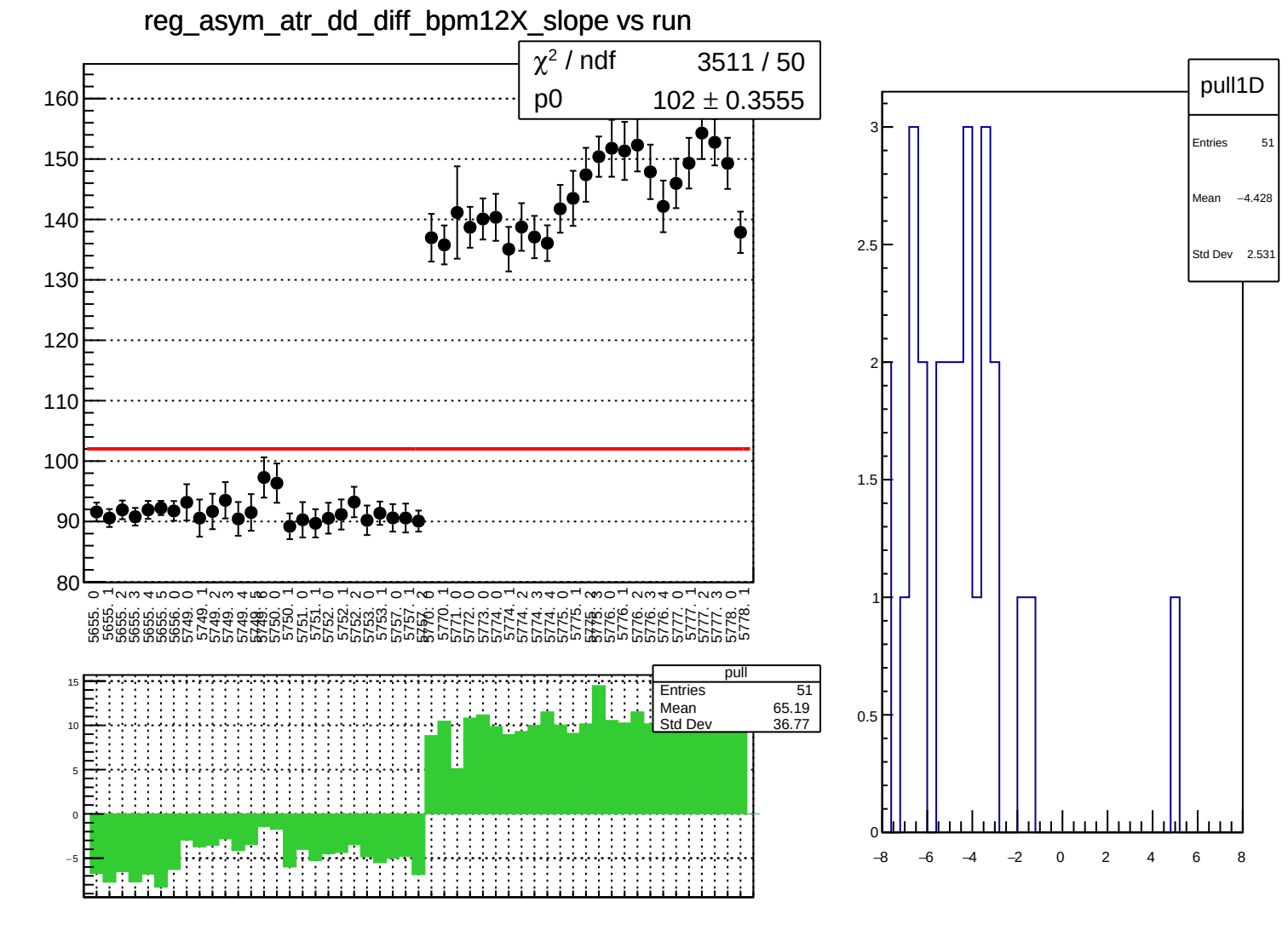

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.52 / 50
p0 −2.577 ± 6.703
pull
Entries 51
Mean 48.26
Std Dev 14.38
pull1D
Entries 51
Mean −0.08312
Std Dev 0.563

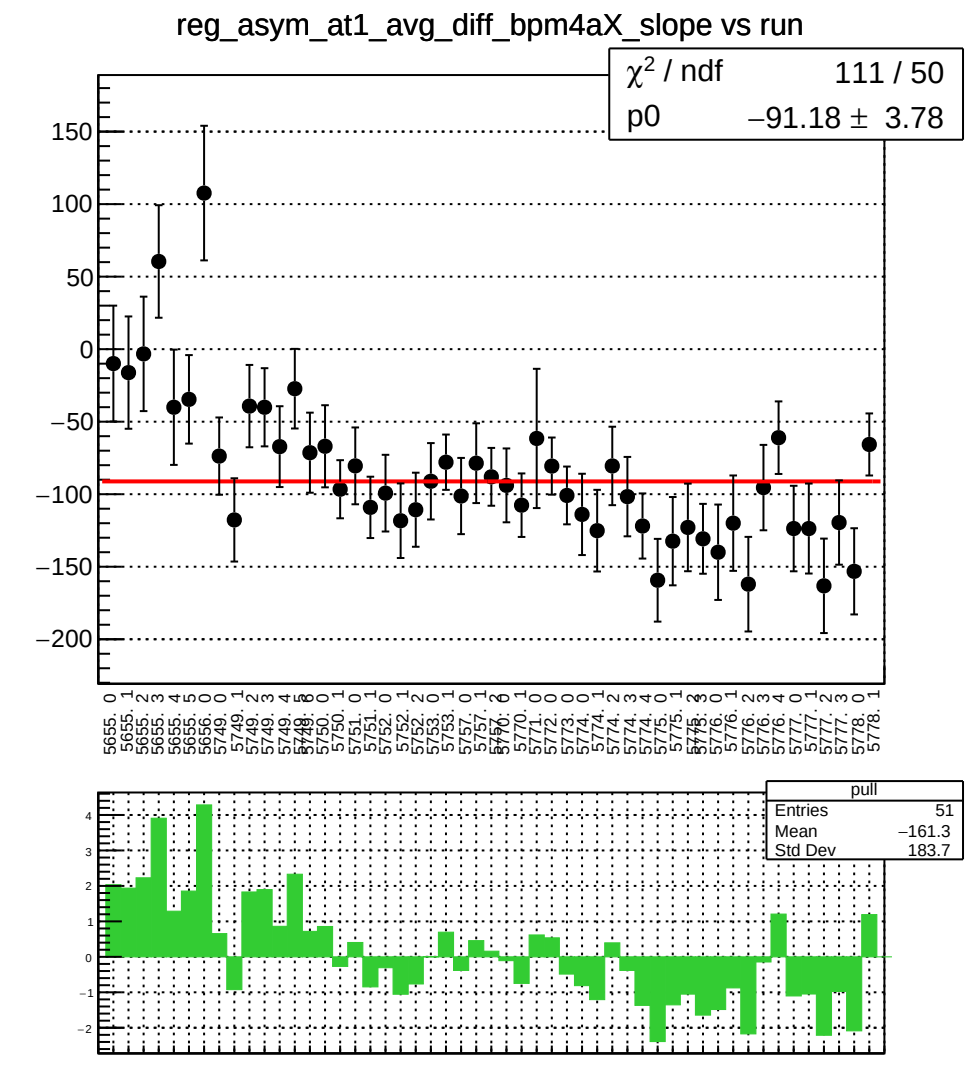

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.4 / 50
p0 −401.2 ± 9.097
pull
Entries 51
Mean 181.5
Std Dev 157.1

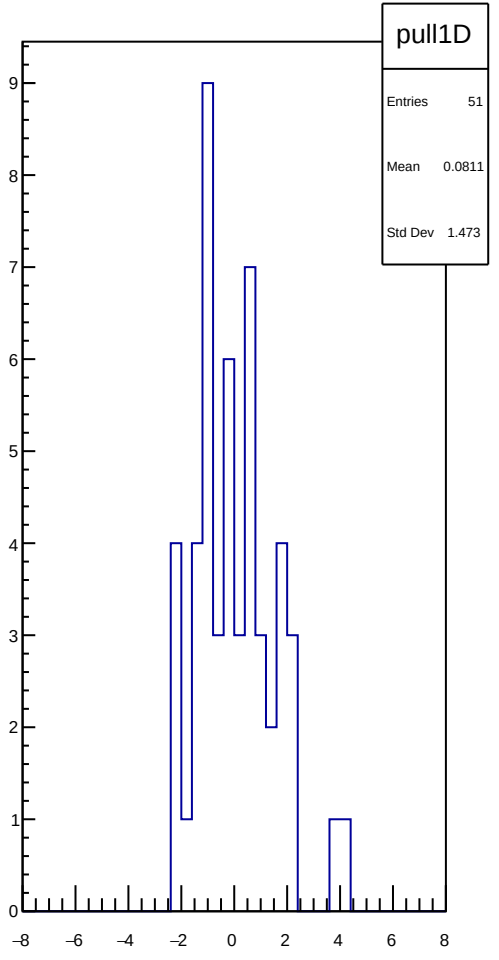

pull1D
Entries 51
Mean −0.1305
Std Dev 1.618

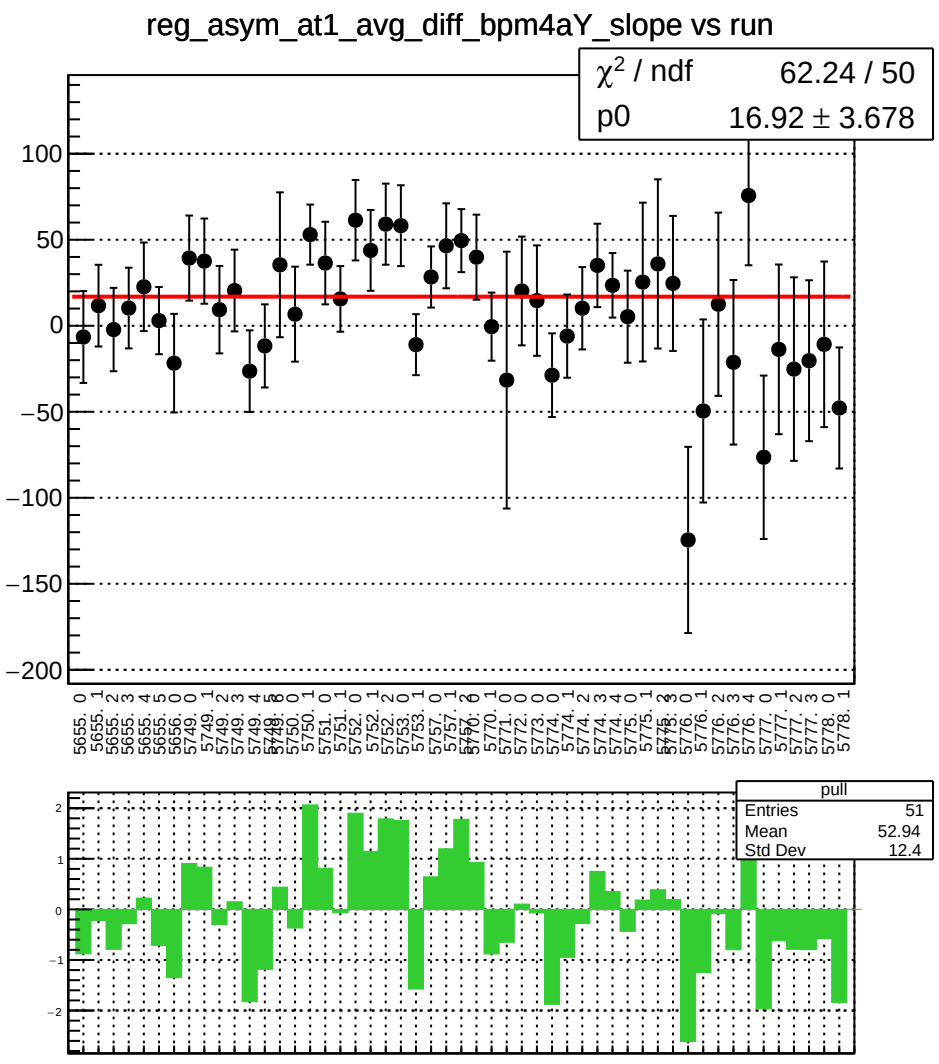

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.26 / 50
p0 −60.76 ± 7.311
pull
Entries 51
Mean −3.336
Std Dev 37.96

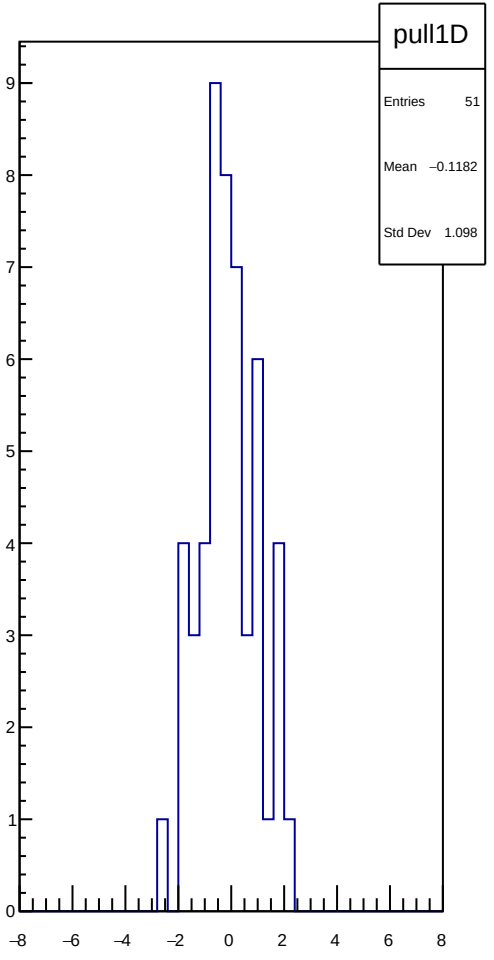

pull1D
Entries 51
Mean 0.01803
Std Dev 0.5643

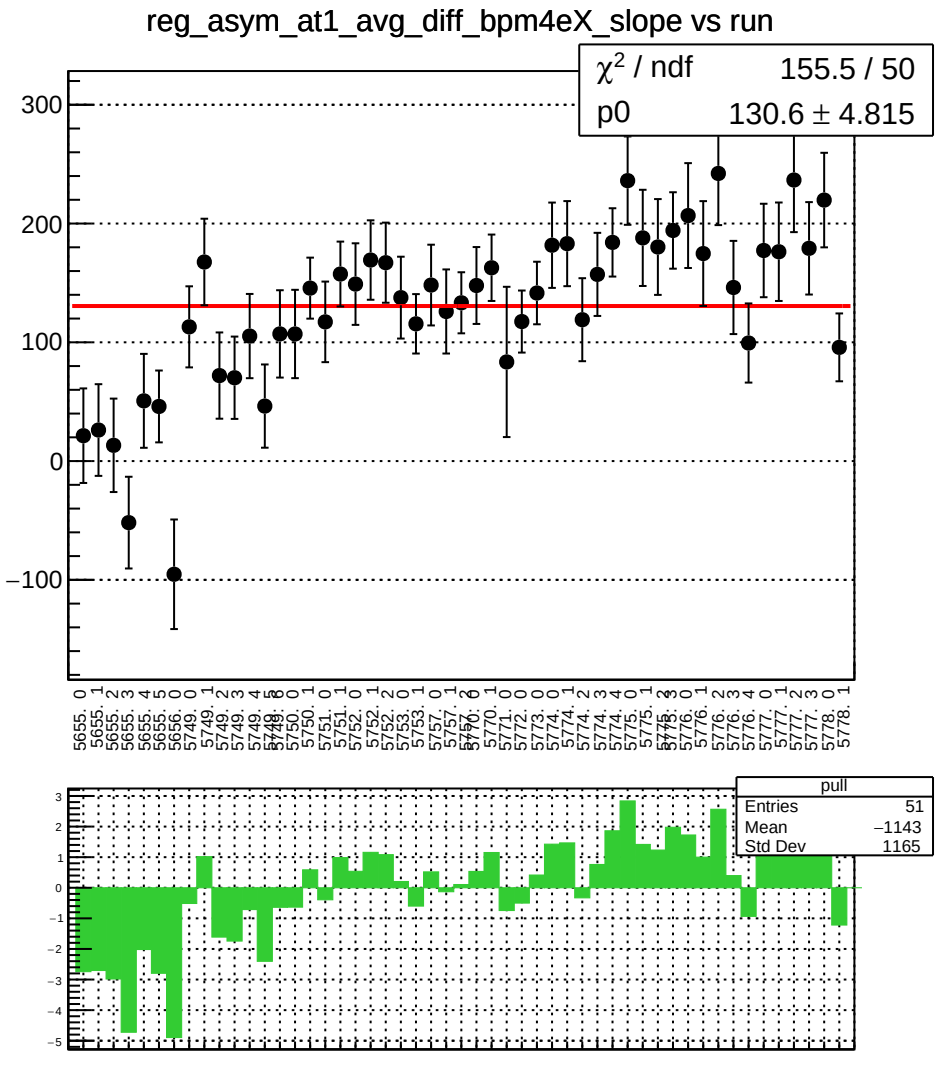

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 3511 / 50
p0 102 ± 0.3555
pull
Entries 51
Mean 65.19
Std Dev 36.77
pull1D
Entries 51
Mean −4.428
Std Dev 2.531

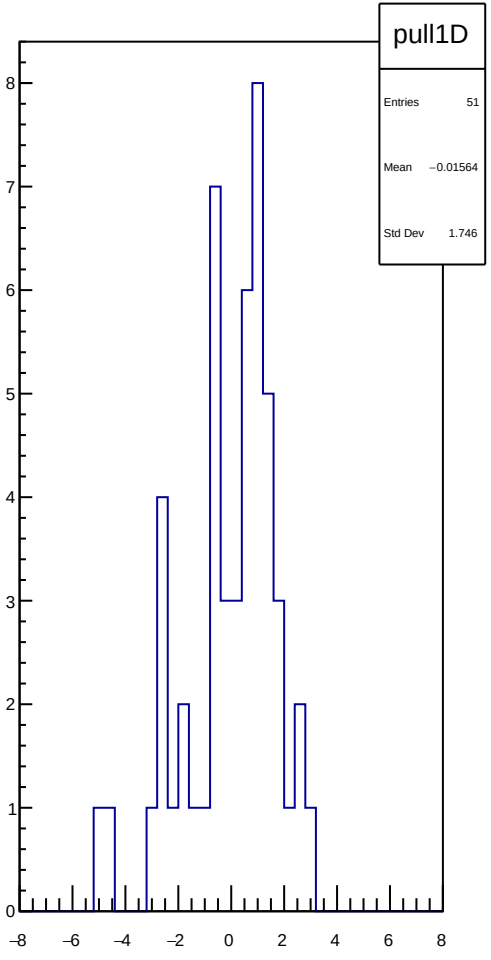

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 111 / 50
p0 −91.18 ± 3.78
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean −161.3
Std Dev 183.7
4
3
2
1
0
−1
−2

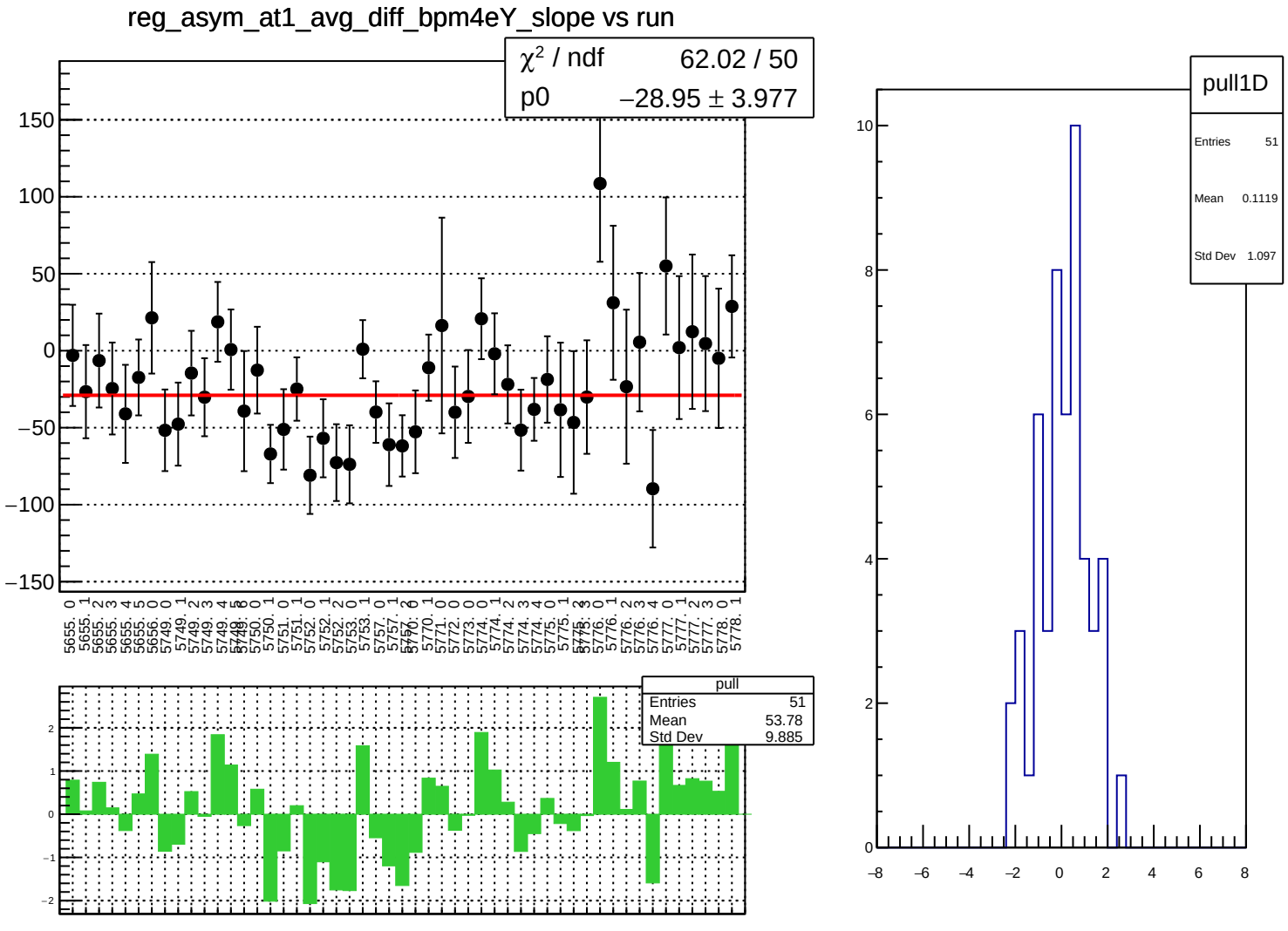

pull1D
Entries 51
Mean 0.0811
Std Dev 1.473
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

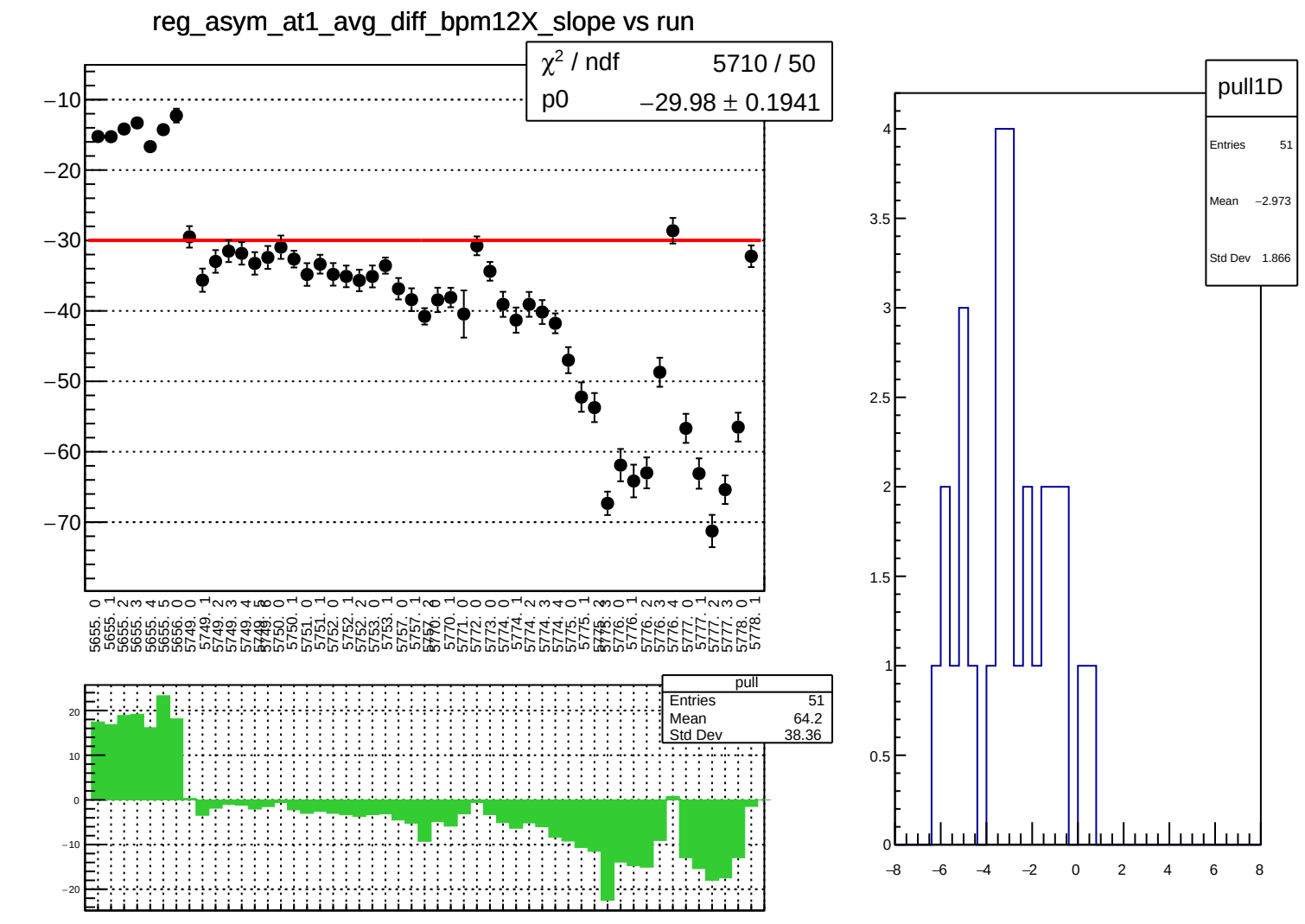

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.24 / 50
p0 16.92 ± 3.678
pull
Entries 51
Mean 52.94
Std Dev 12.4

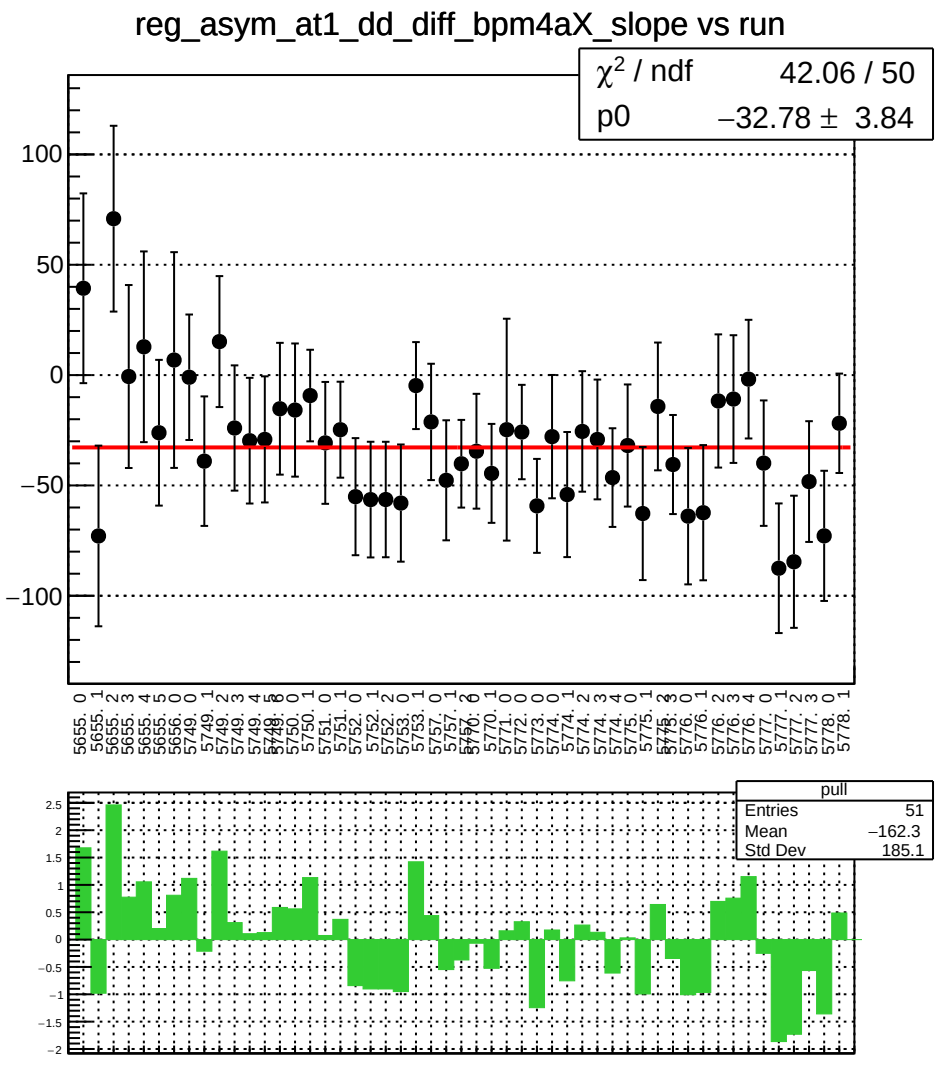

pull1D
Entries 51
Mean −0.1182
Std Dev 1.098

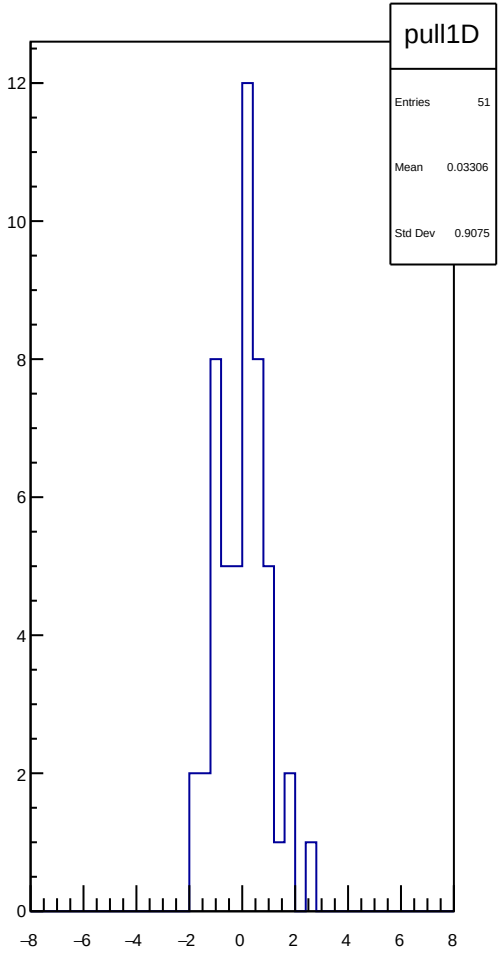

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 155.5 / 50
p0 130.6 ± 4.815
pull
Entries 51
Mean −1143
Std Dev 1165

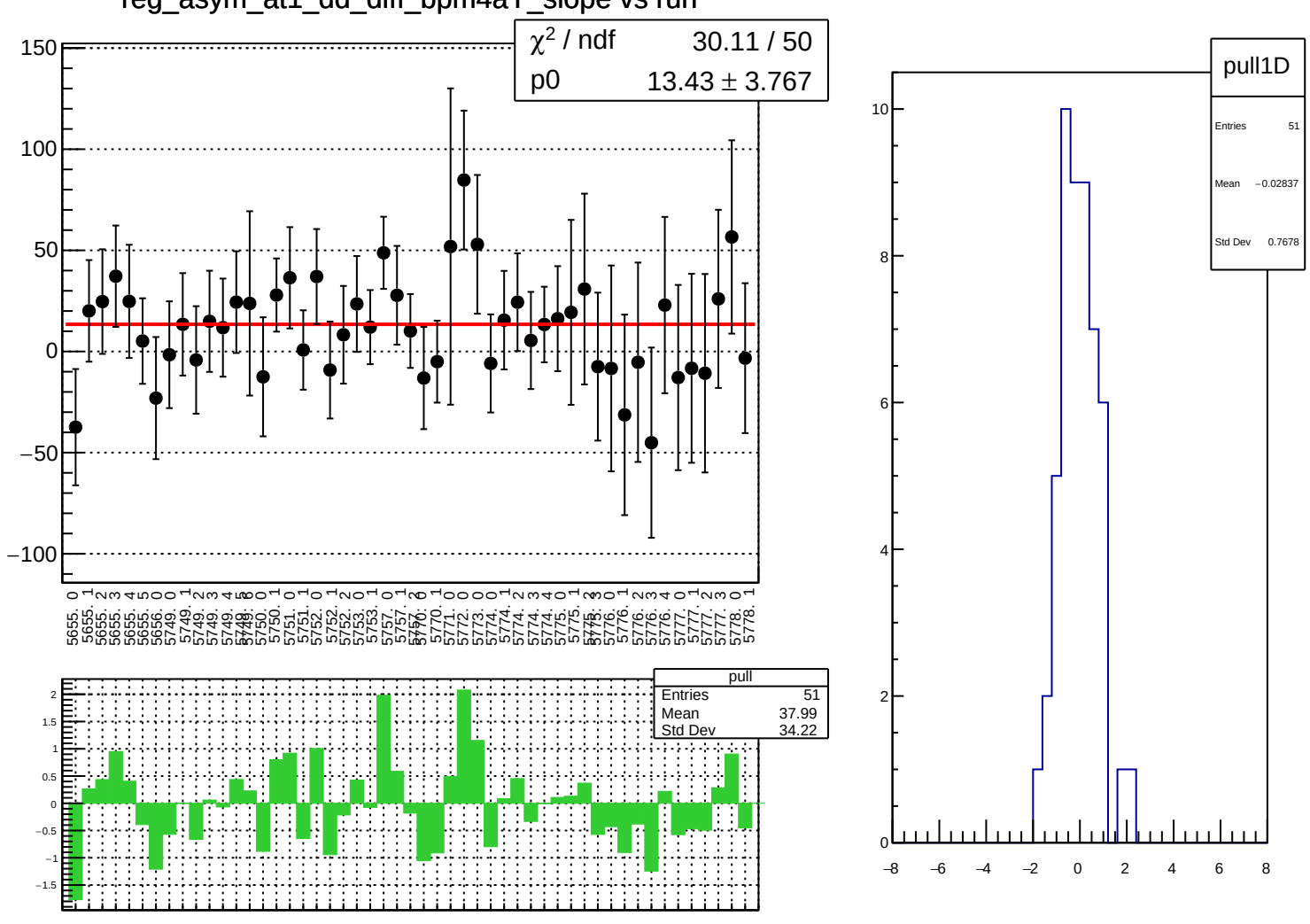

pull1D
Entries 51
Mean −0.01564
Std Dev 1.746

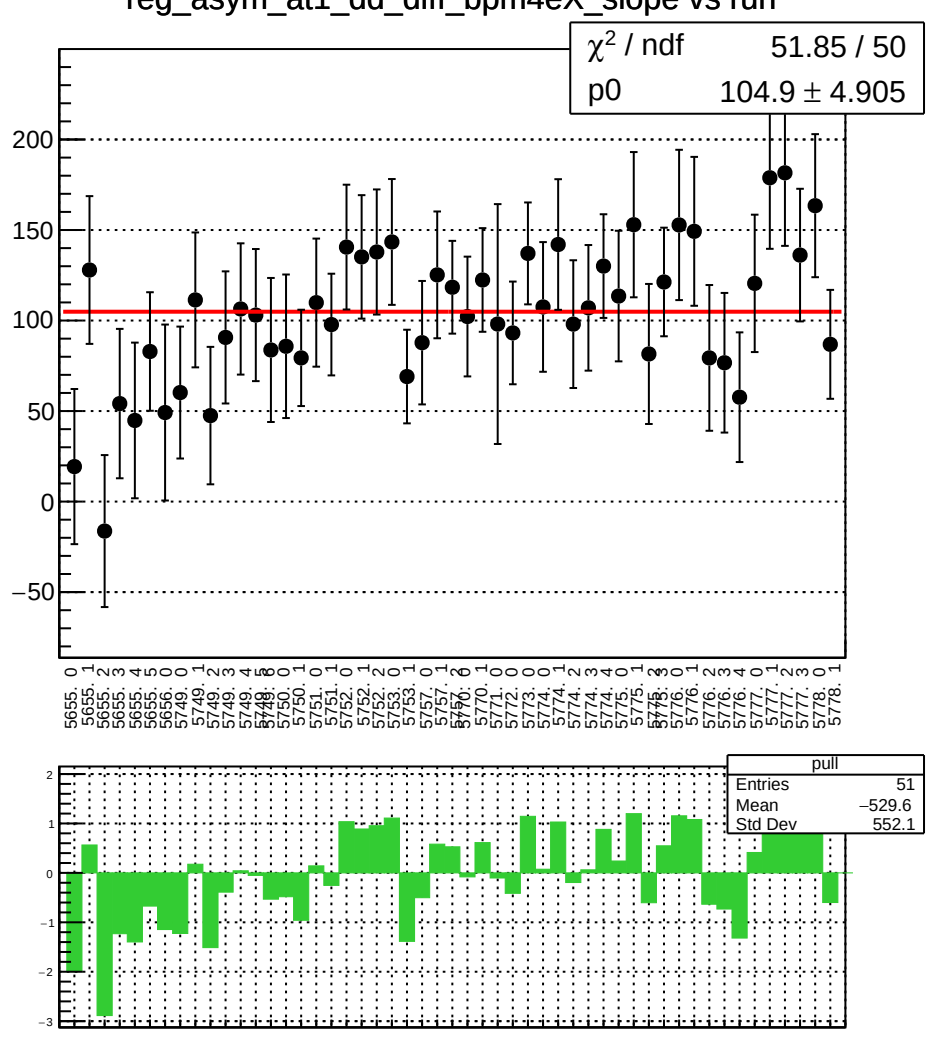

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.02 / 50
p0 −28.95 ± 3.977
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 53.78
Std Dev 9.885
2
1
0
−1
−2
pull1D
Entries 51
Mean 0.1119
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

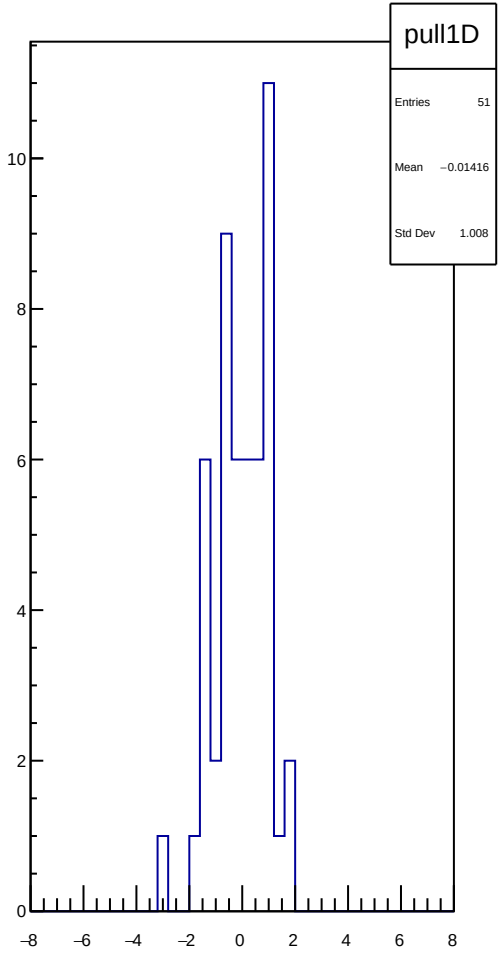

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 5710 / 50
p0 −29.98 ± 0.1941
pull
Entries 51
Mean 64.2
Std Dev 38.36
pull1D
Entries 51
Mean −2.973
Std Dev 1.866

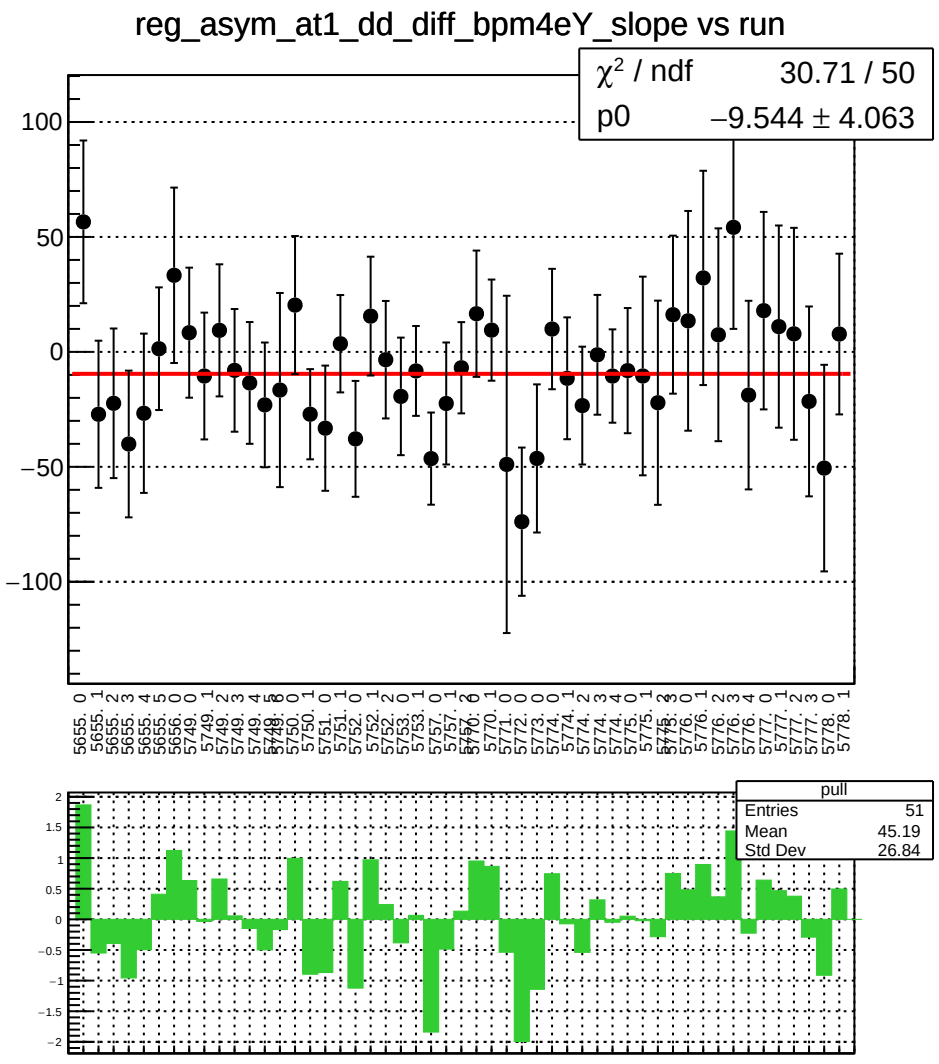

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.06 / 50
p0 −32.78 ± 3.84
pull
Entries 51
Mean −162.3
Std Dev 185.1

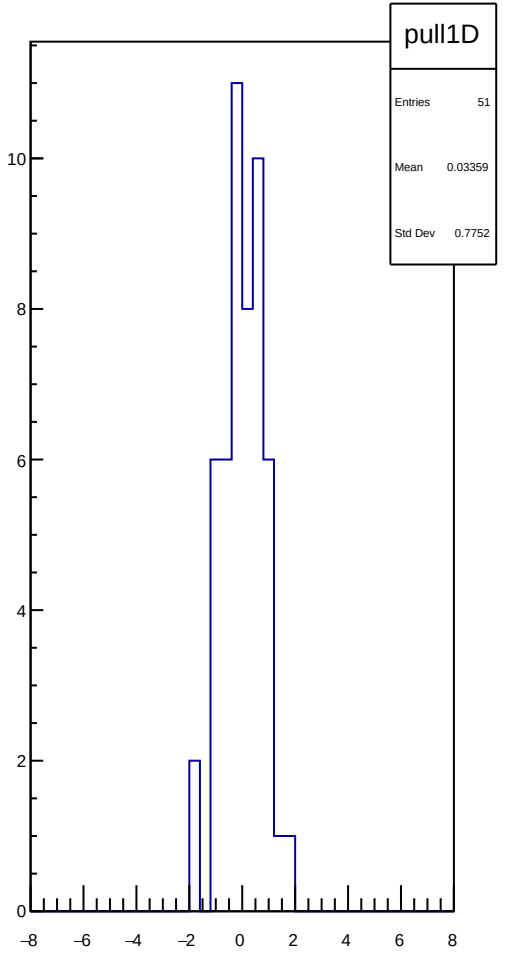

pull1D
Entries 51
Mean 0.03306
Std Dev 0.9075

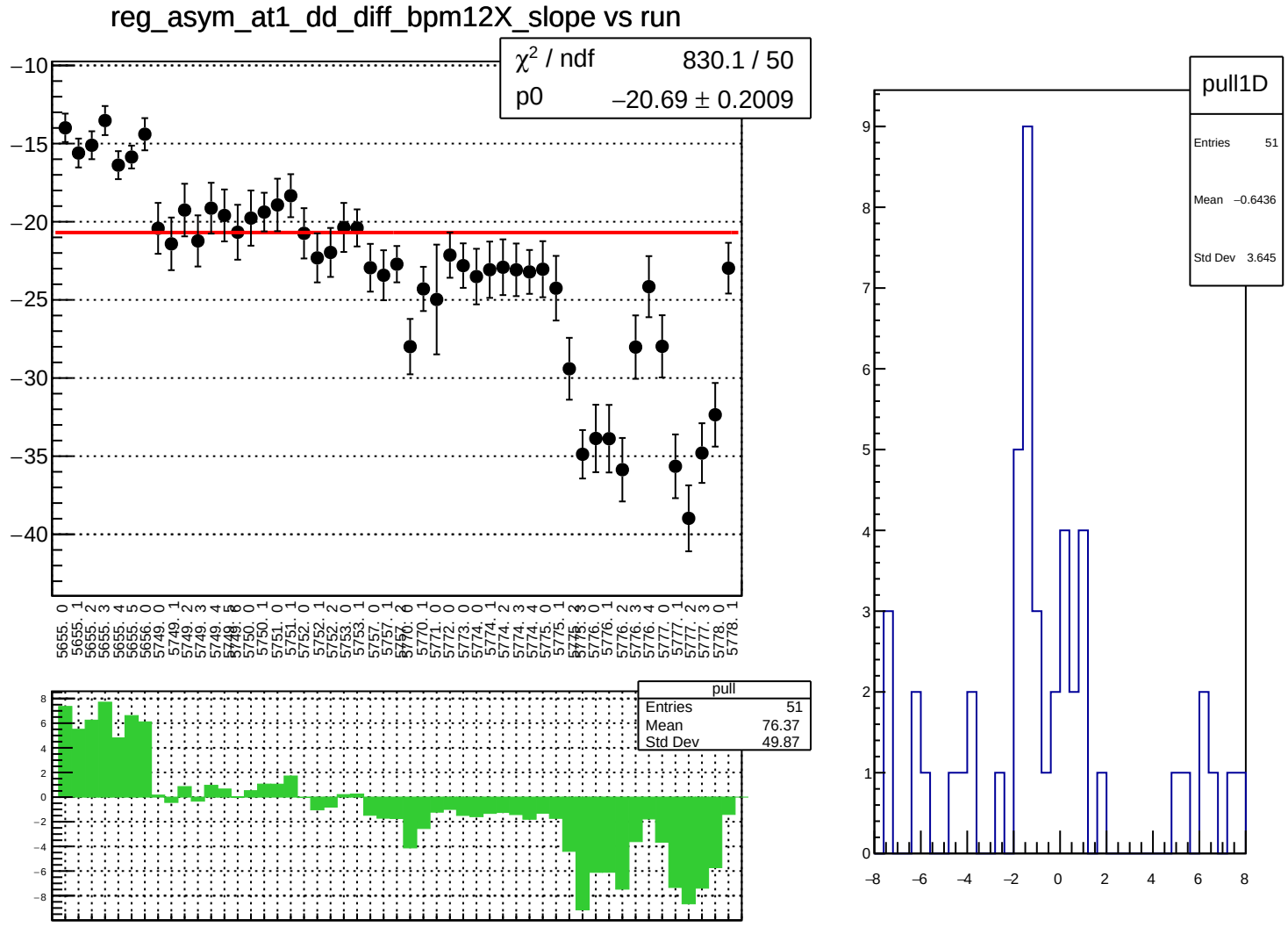

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.11 / 50
p0 13.43 ± 3.767
pull
Entries 51
Mean 37.99
Std Dev 34.22
pull1D
Entries 51
Mean −0.02837
Std Dev 0.7678

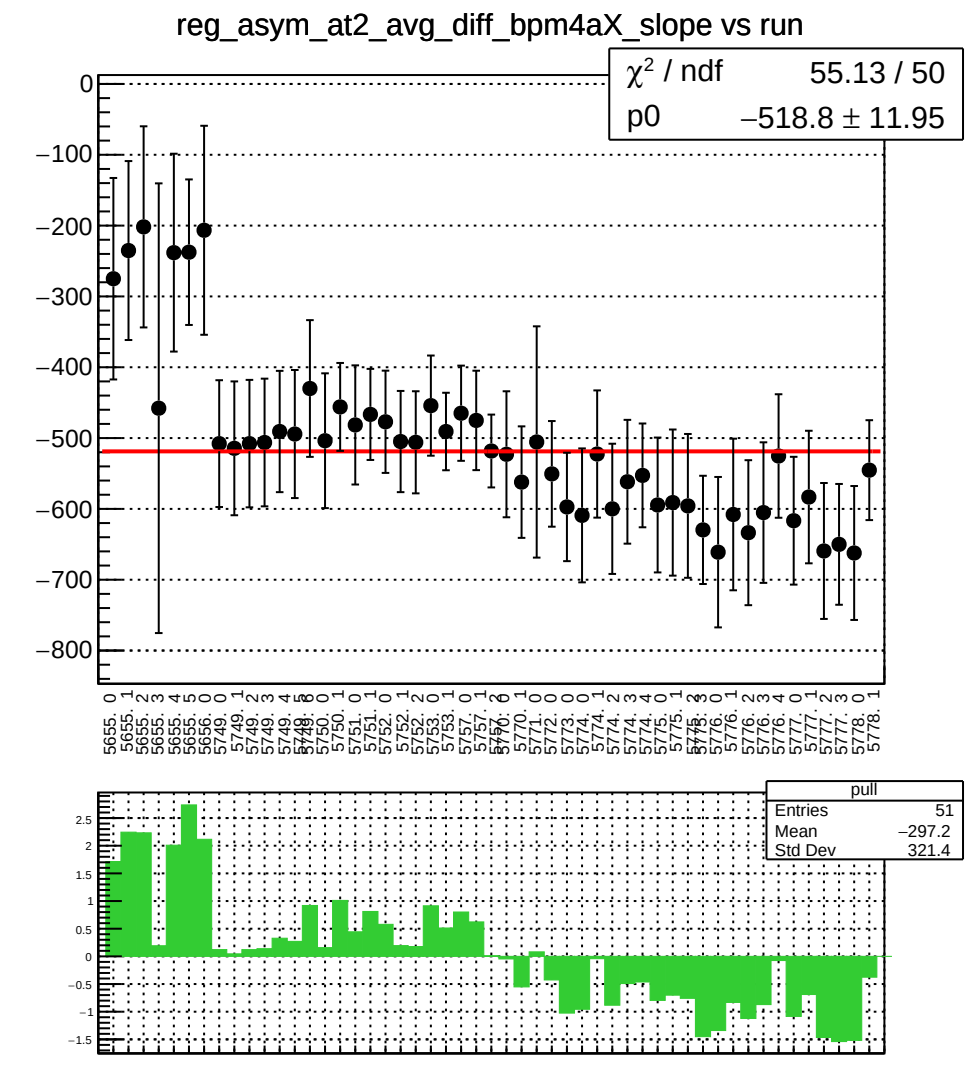

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.85 / 50
p0 104.9 ± 4.905
pull
Entries 51
Mean −529.6
Std Dev 552.1

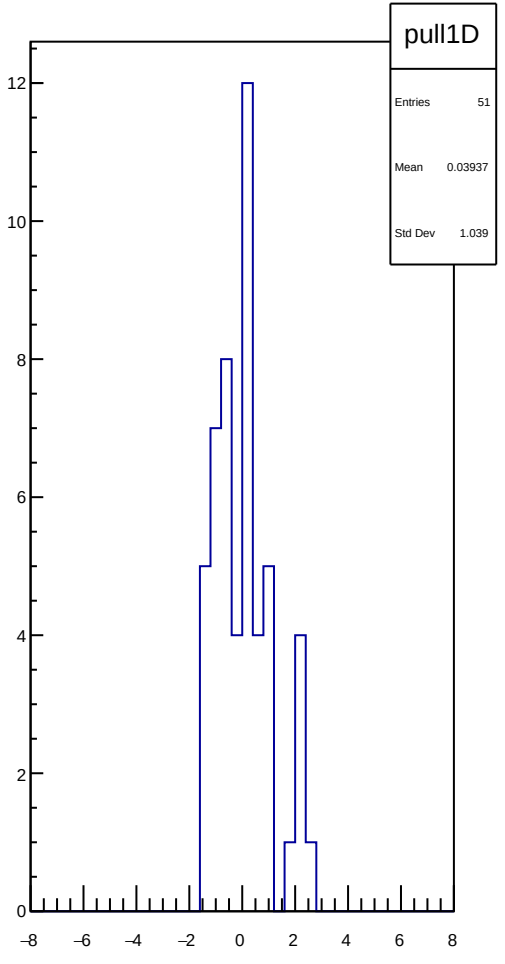

pull1D
Entries 51
Mean −0.01416
Std Dev 1.008

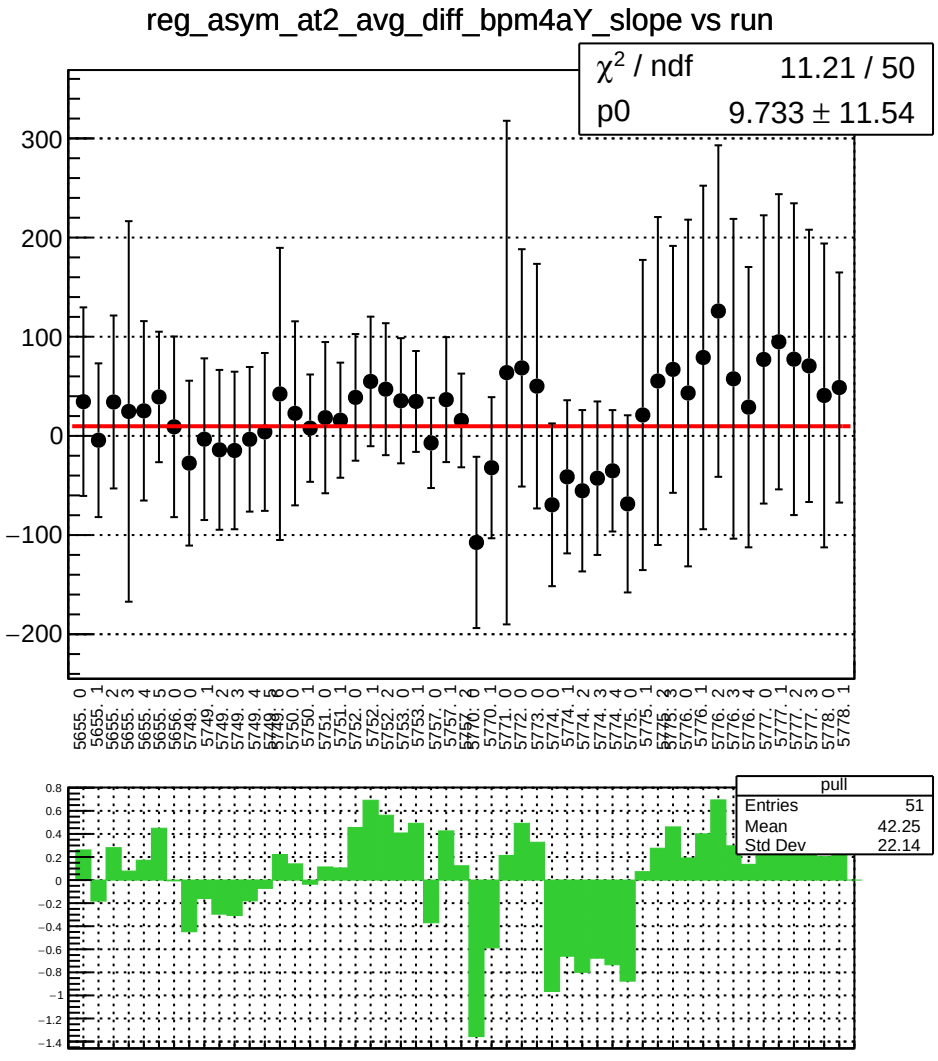

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.71 / 50
p0 −9.544 ± 4.063
pull
Entries 51
Mean 45.19
Std Dev 26.84

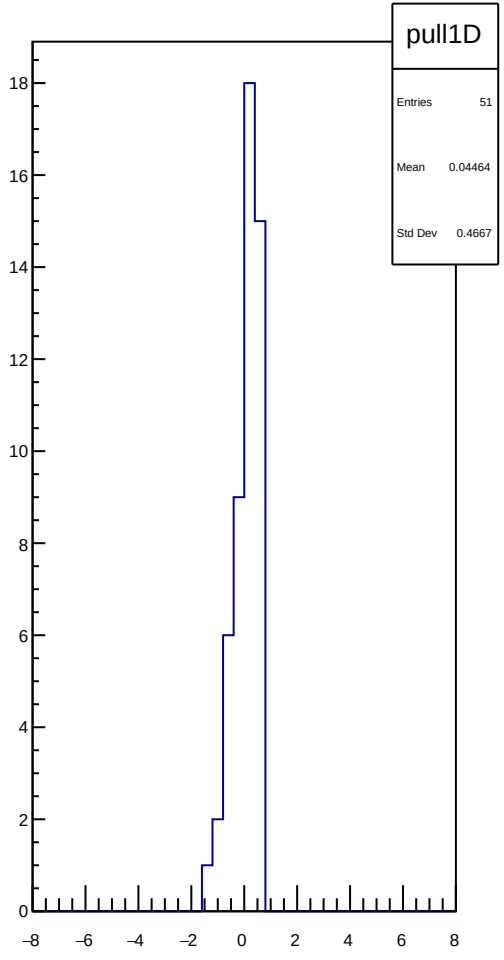

pull1D
Entries 51
Mean 0.03359
Std Dev 0.7752

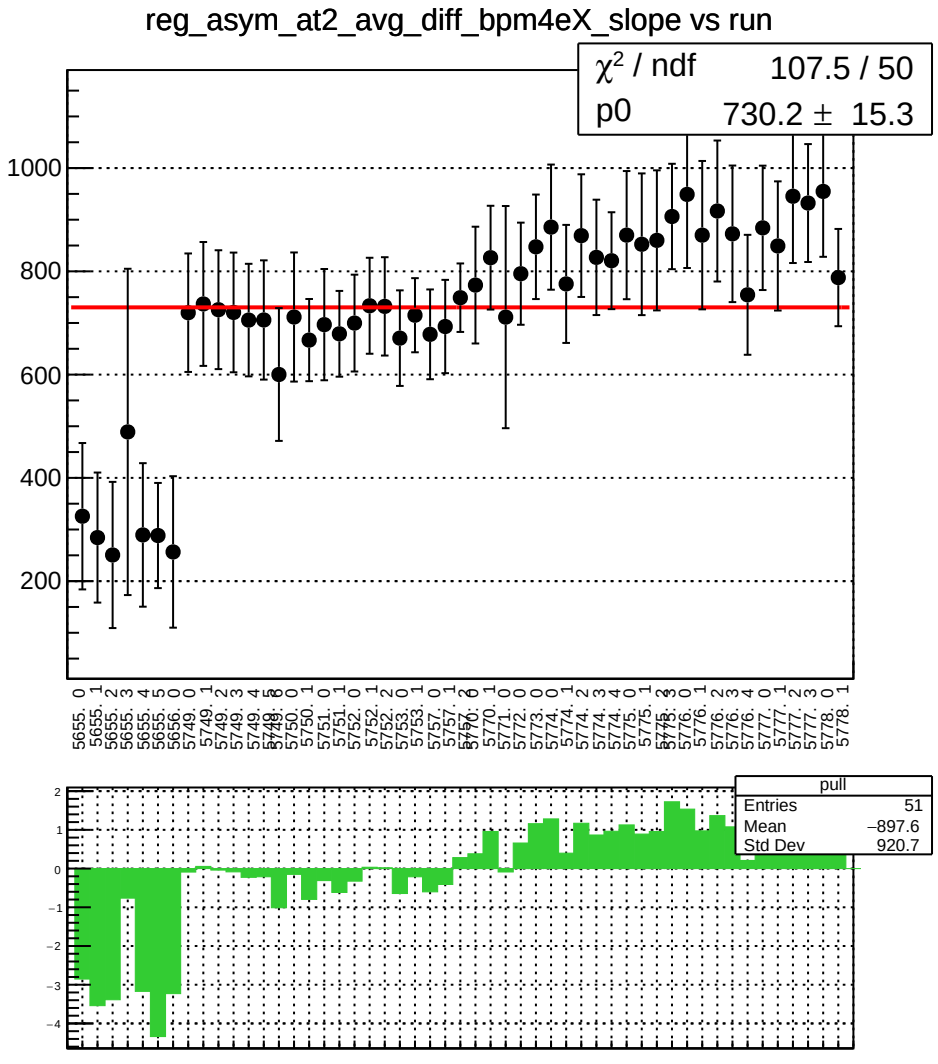

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 830.1 / 50
p0 −20.69 ± 0.2009
pull
Entries 51
Mean 76.37
Std Dev 49.87
pull1D
Entries 51
Mean −0.6436
Std Dev 3.645

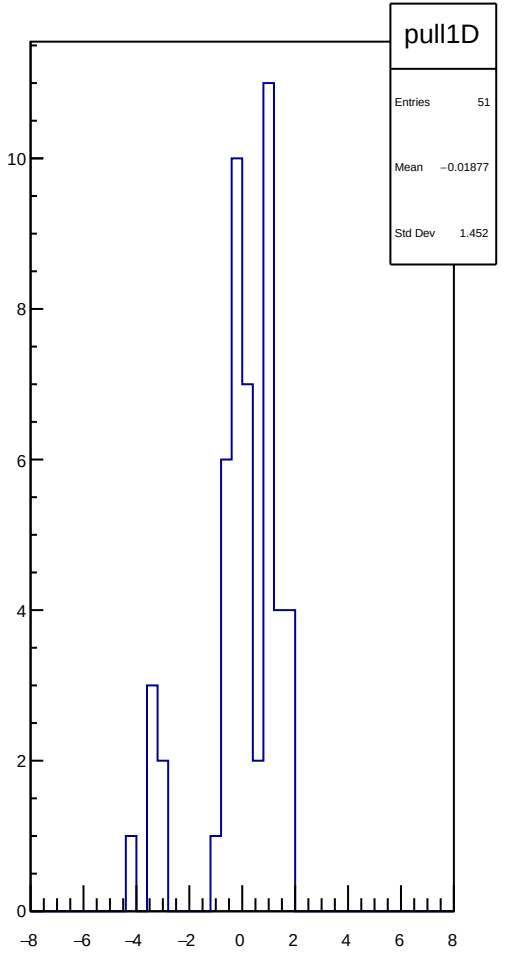

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.13 / 50
p0 −518.8 ± 11.95
pull
Entries 51
Mean −297.2
Std Dev 321.4

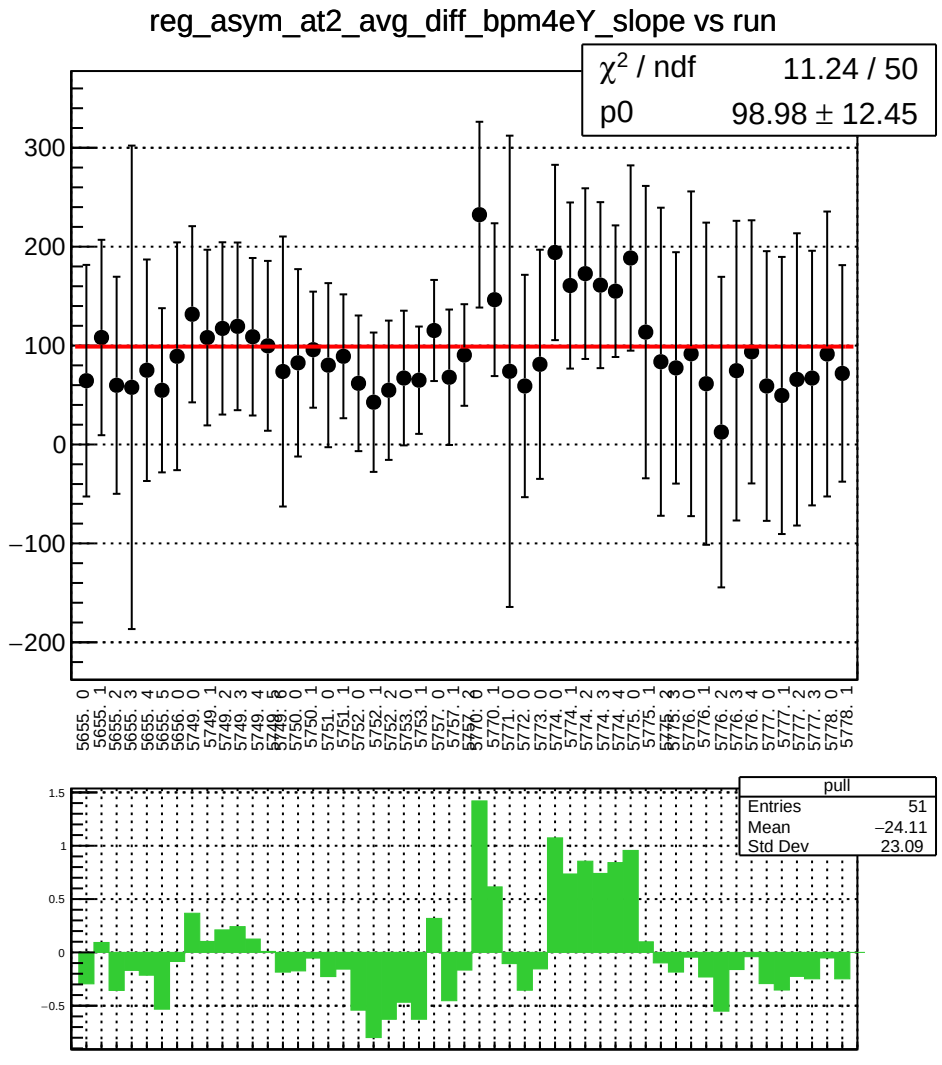

pull1D
Entries 51
Mean 0.03937
Std Dev 1.039

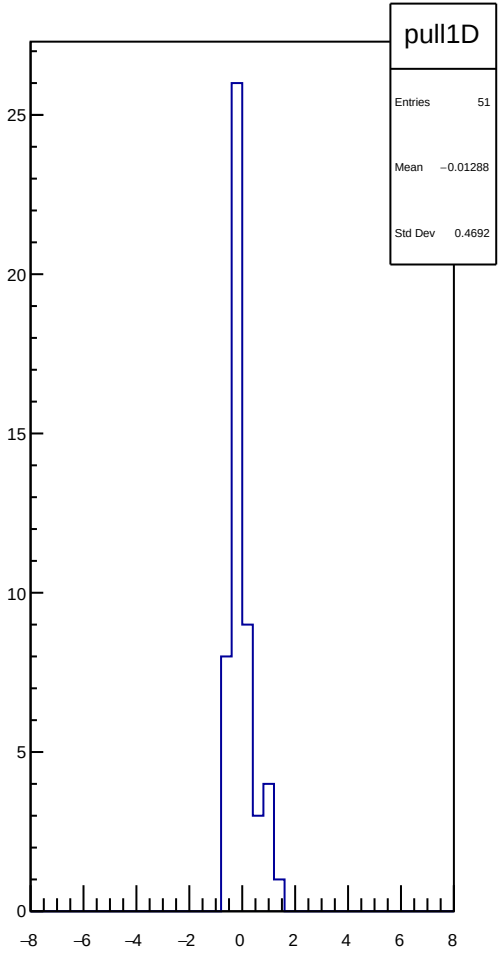

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.21 / 50
p0 9.733 ± 11.54
pull
Entries 51
Mean 42.25
Std Dev 22.14

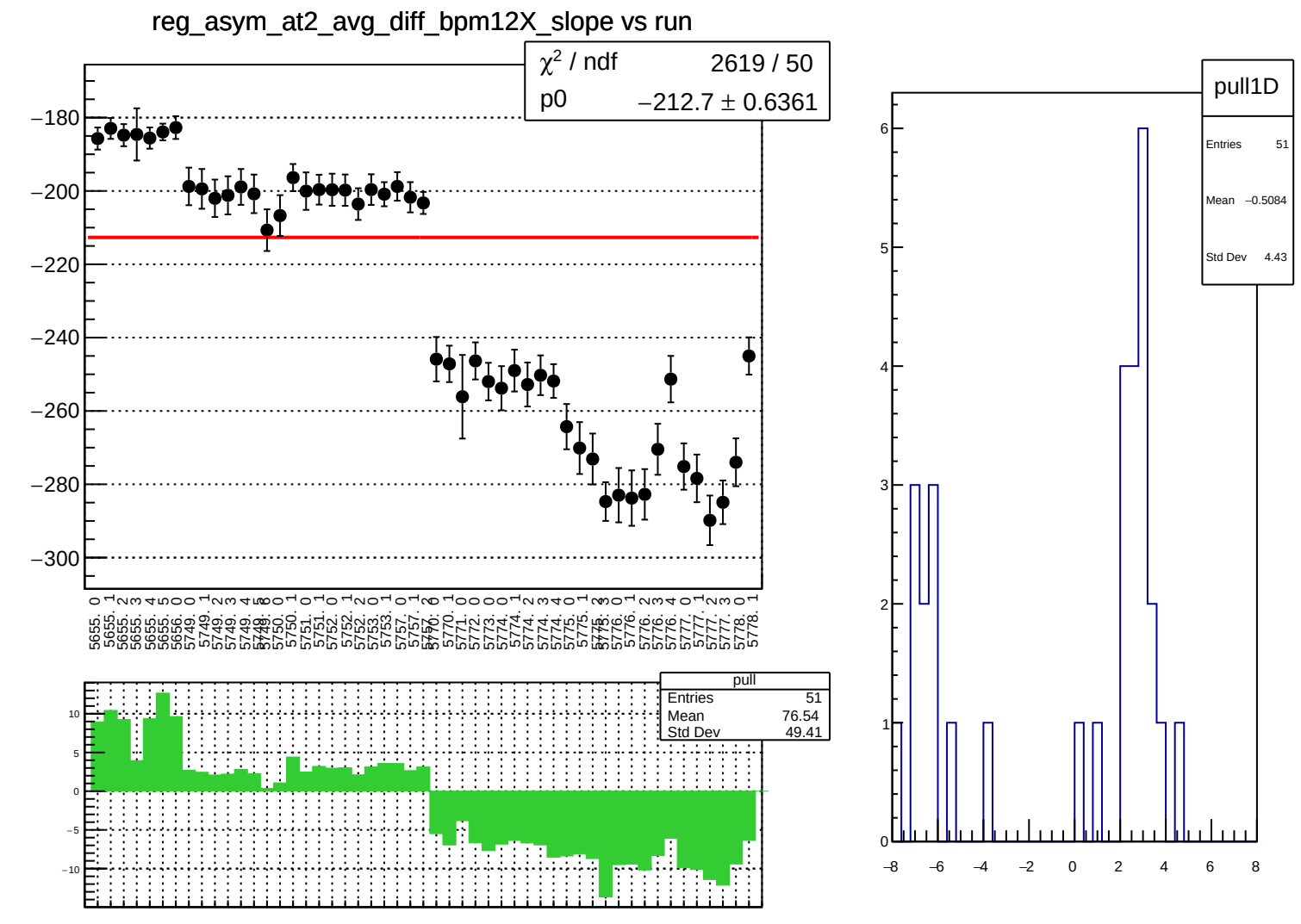

pull1D
Entries 51
Mean 0.04464
Std Dev 0.4667

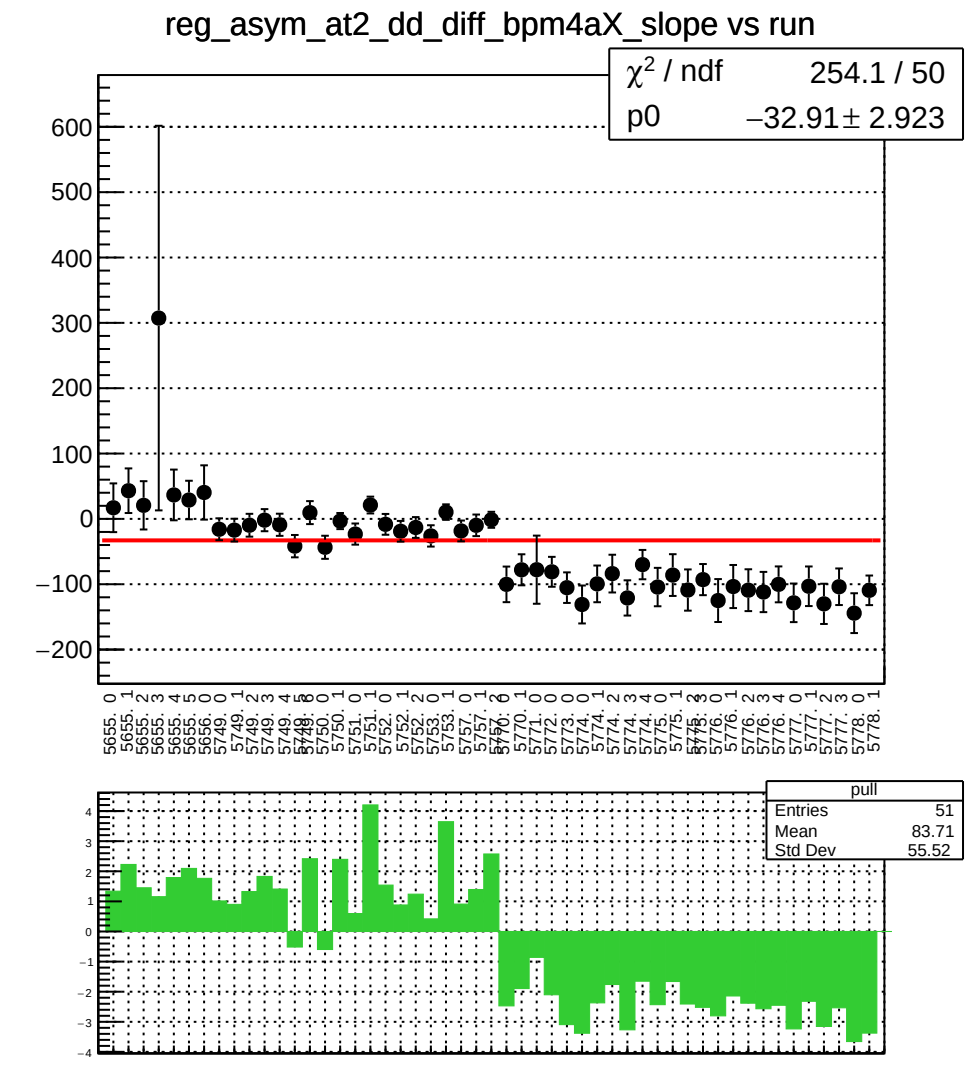

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.5 / 50
p0 730.2 ± 15.3
1000
800
600
400
200
pull
Entries 51
Mean −897.6
Std Dev 920.7
2
1
0
−1
−2
−3
−4

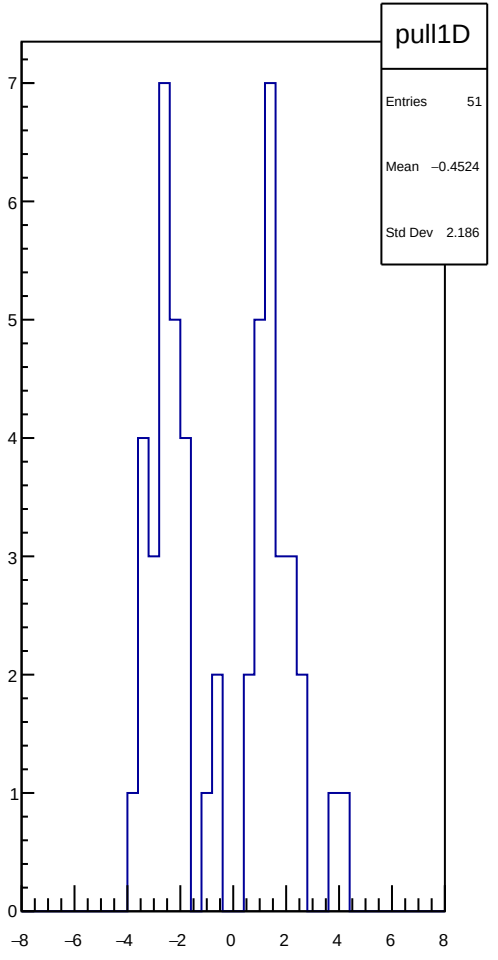

pull1D
Entries 51
Mean −0.01877
Std Dev 1.452
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

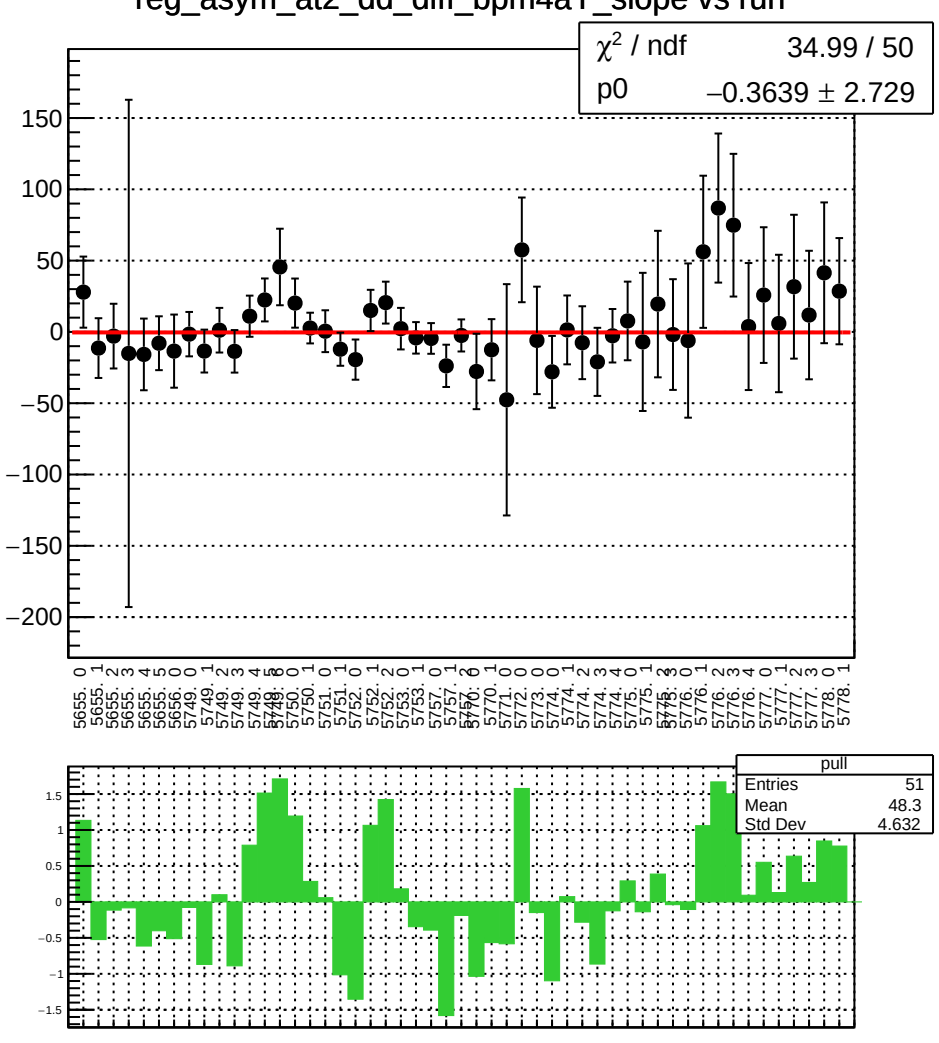

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.24 / 50
p0 98.98 ± 12.45
pull
Entries 51
Mean −24.11
Std Dev 23.09

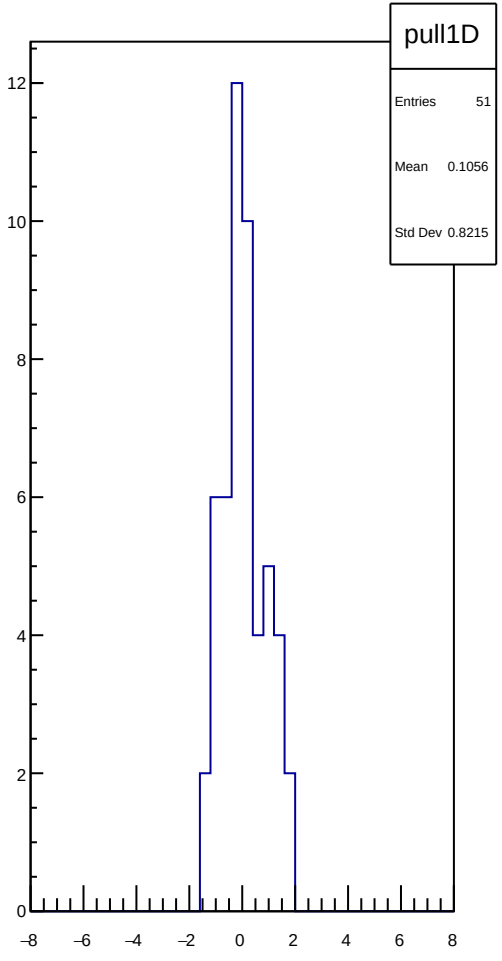

pull1D
Entries 51
Mean −0.01288
Std Dev 0.4692

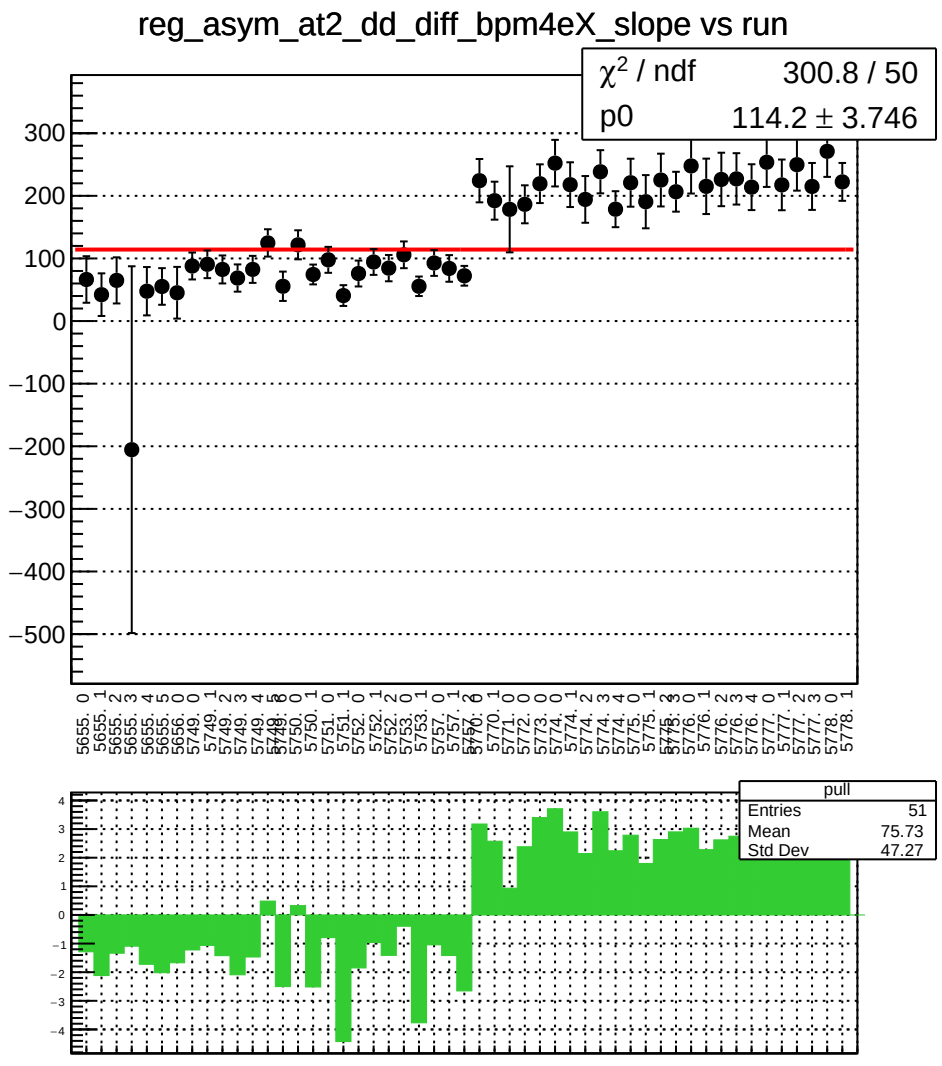

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 2619 / 50
p0 −212.7 ± 0.6361
pull
Entries 51
Mean 76.54
Std Dev 49.41
pull1D
Entries 51
Mean −0.5084
Std Dev 4.43

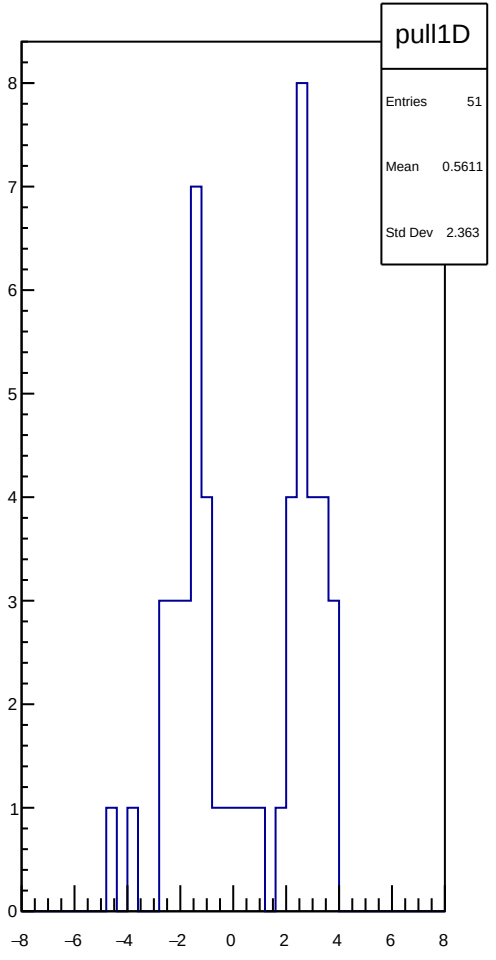

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 254.1 / 50
p0 −32.91± 2.923
pull
Entries 51
Mean 83.71
Std Dev 55.52

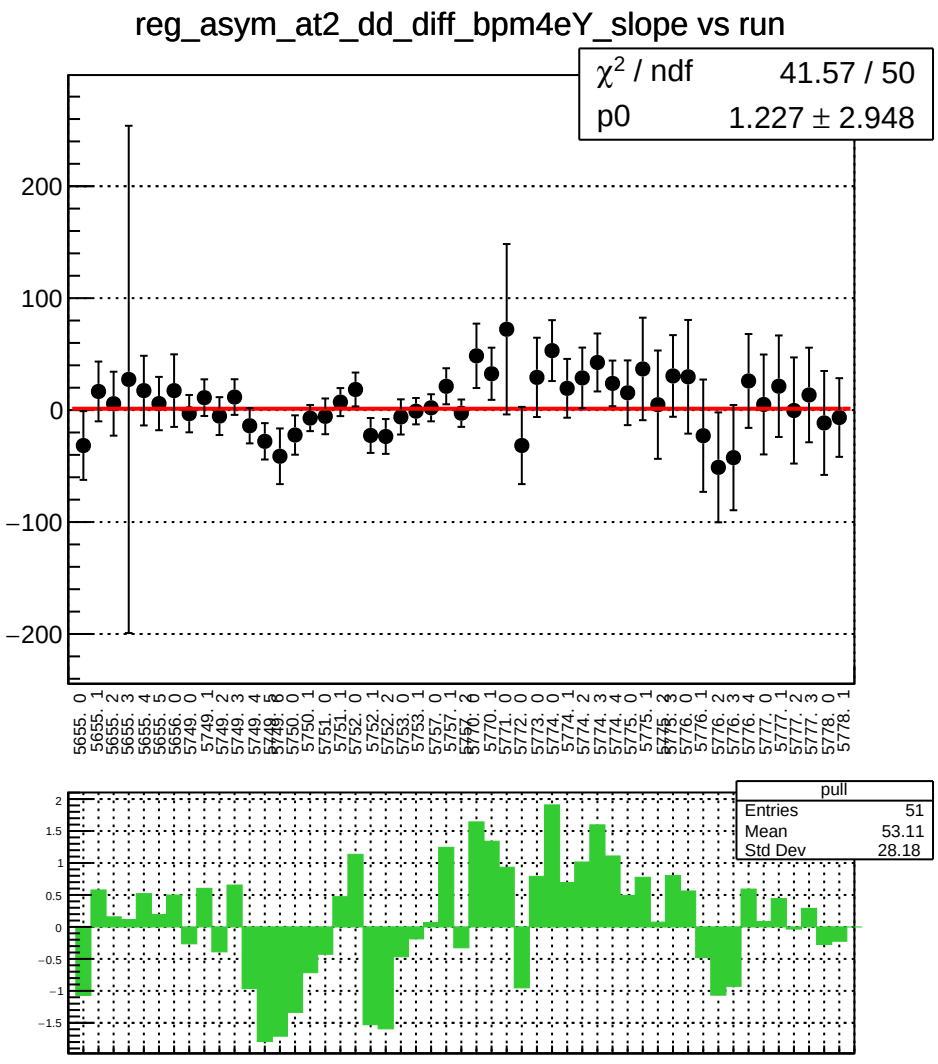

pull1D
Entries 51
Mean −0.4524
Std Dev 2.186

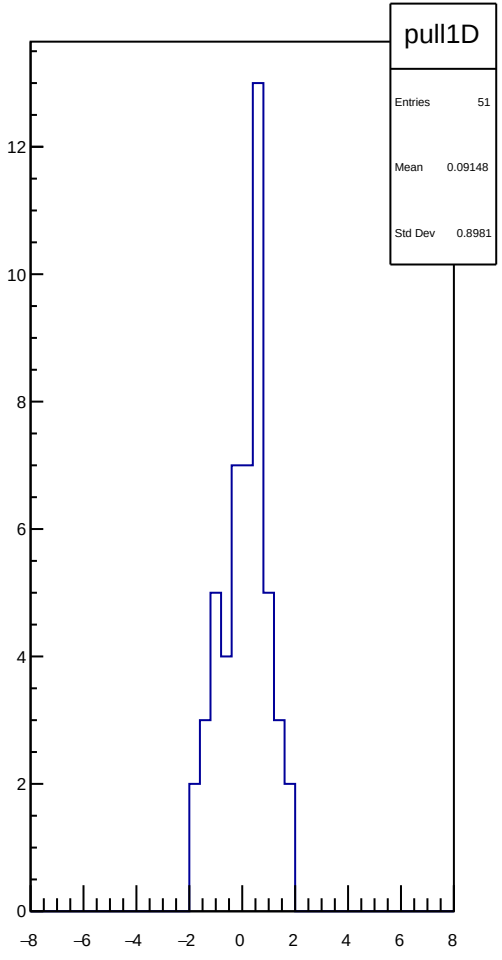

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.99 / 50
p0 −0.3639 ± 2.729
pull
Entries 51
Mean 48.3
Std Dev 4.632

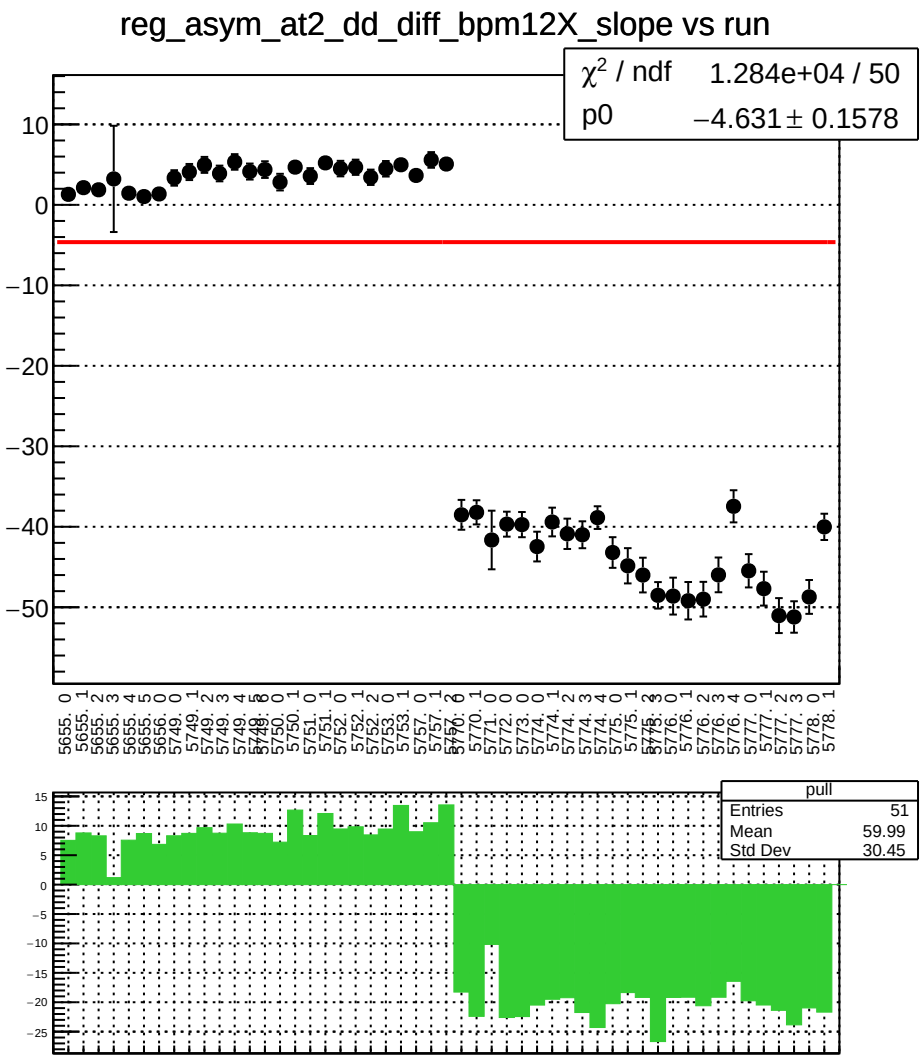

pull1D
Entries 51
Mean 0.1056
Std Dev 0.8215

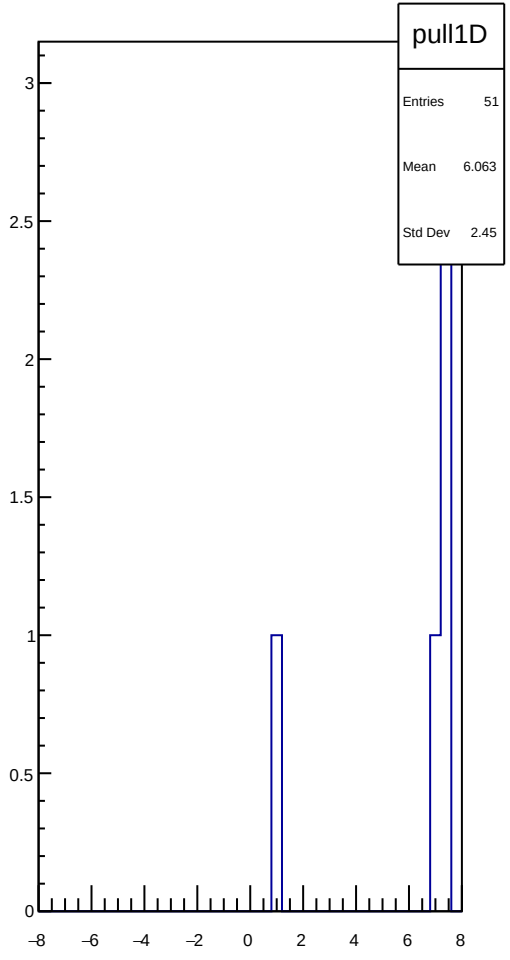

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 300.8 / 50
p0 114.2 ± 3.746
pull
Entries 51
Mean 75.73
Std Dev 47.27

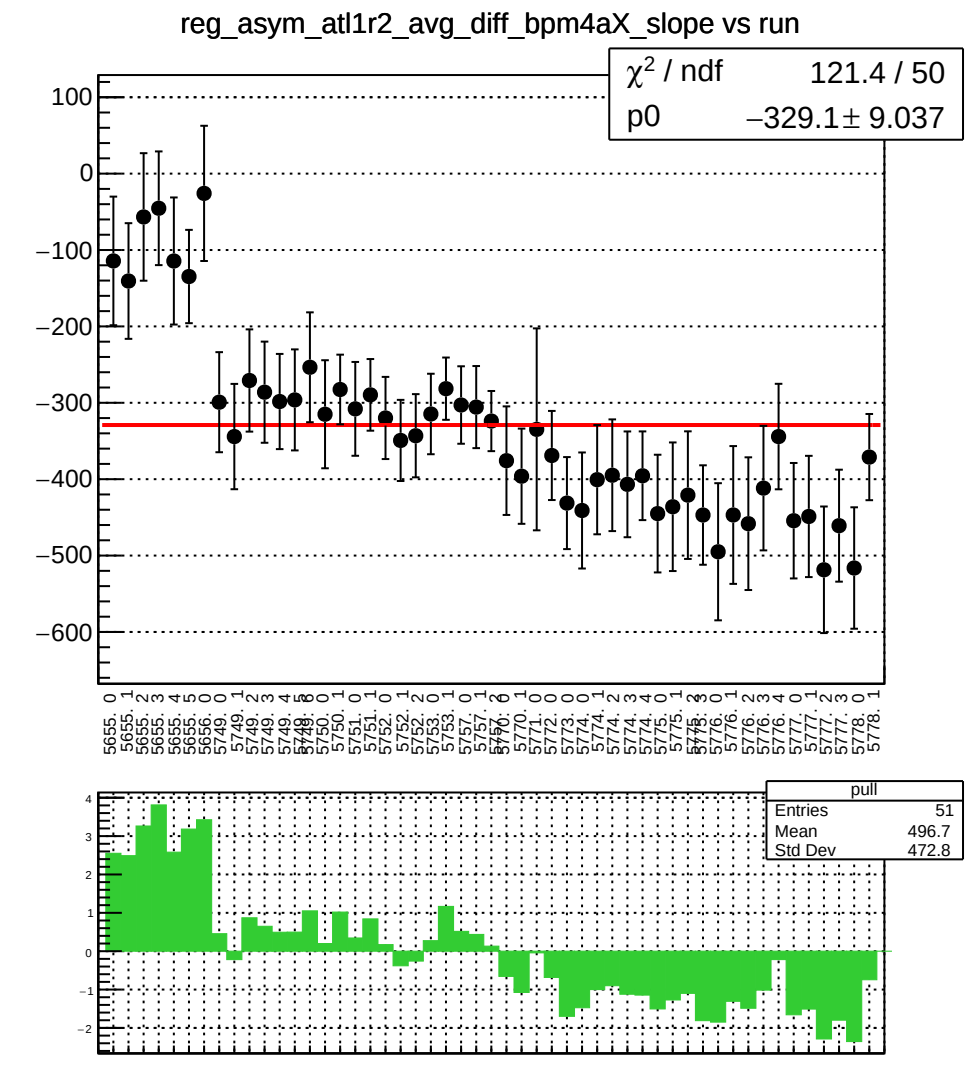

pull1D
Entries 51
Mean 0.5611
Std Dev 2.363

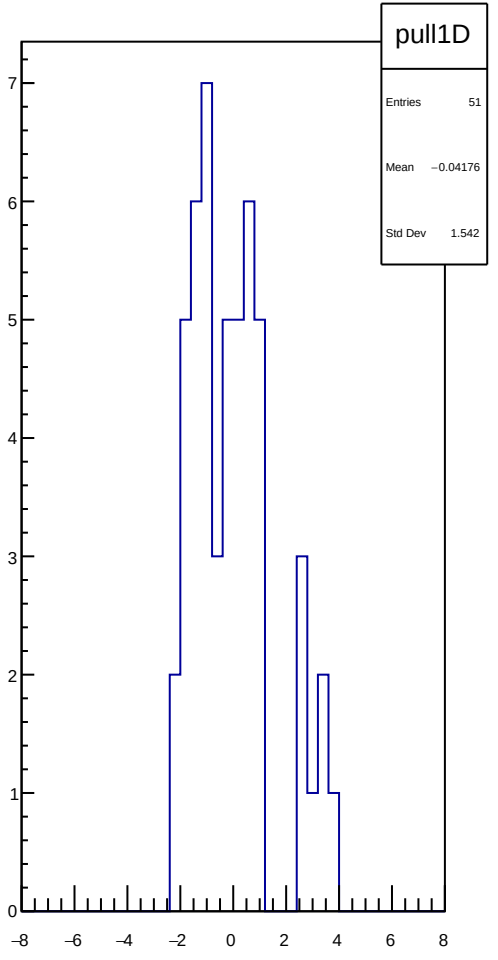

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.57 / 50
p0 1.227 ± 2.948
200
100
0
−100
−200
pull
Entries 51
Mean 53.11
Std Dev 28.18
2
1.5
1
0.5
0
−0.5
−1
−1.5

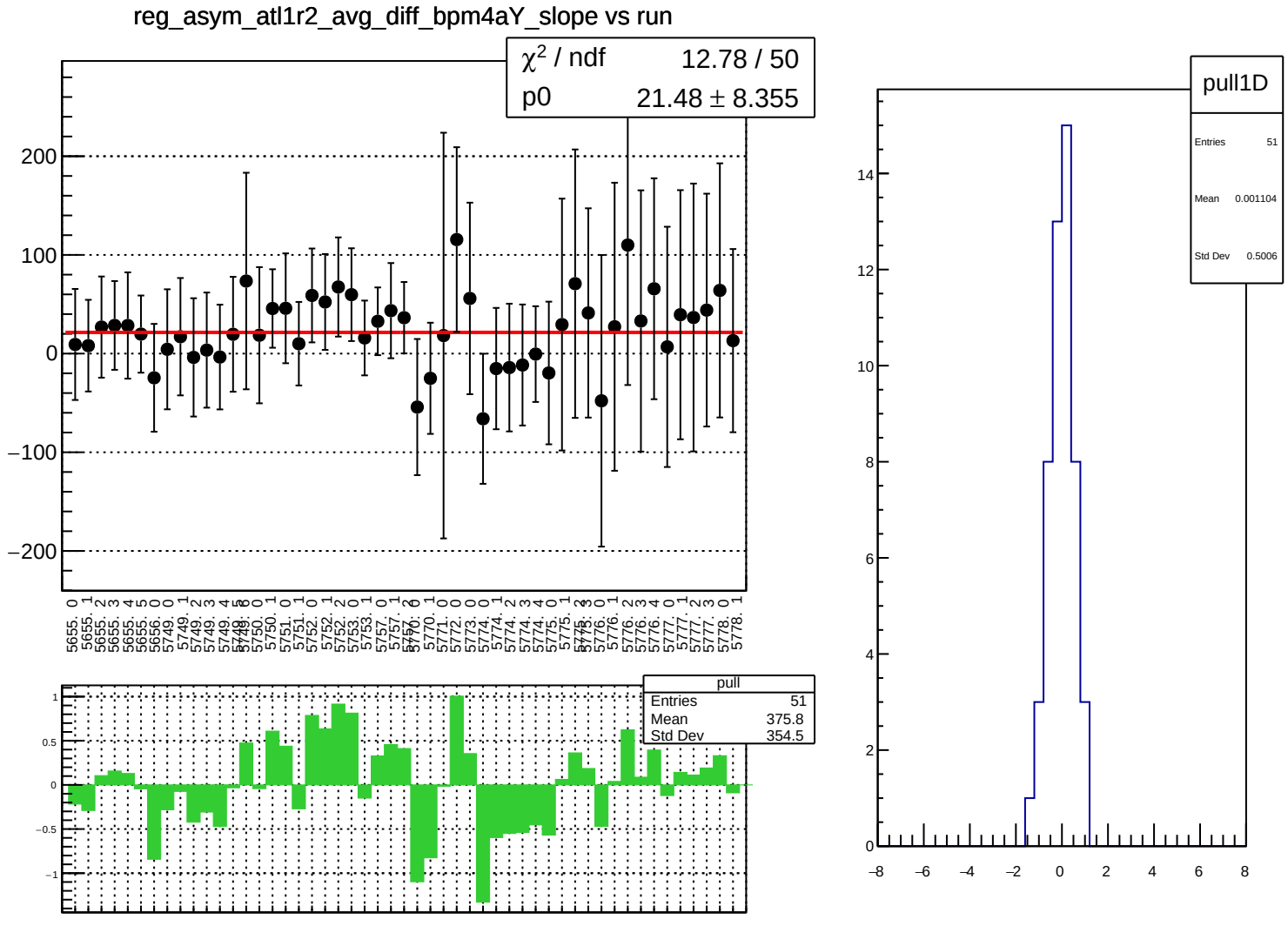

pull1D
Entries 51
Mean 0.09148
Std Dev 0.8981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

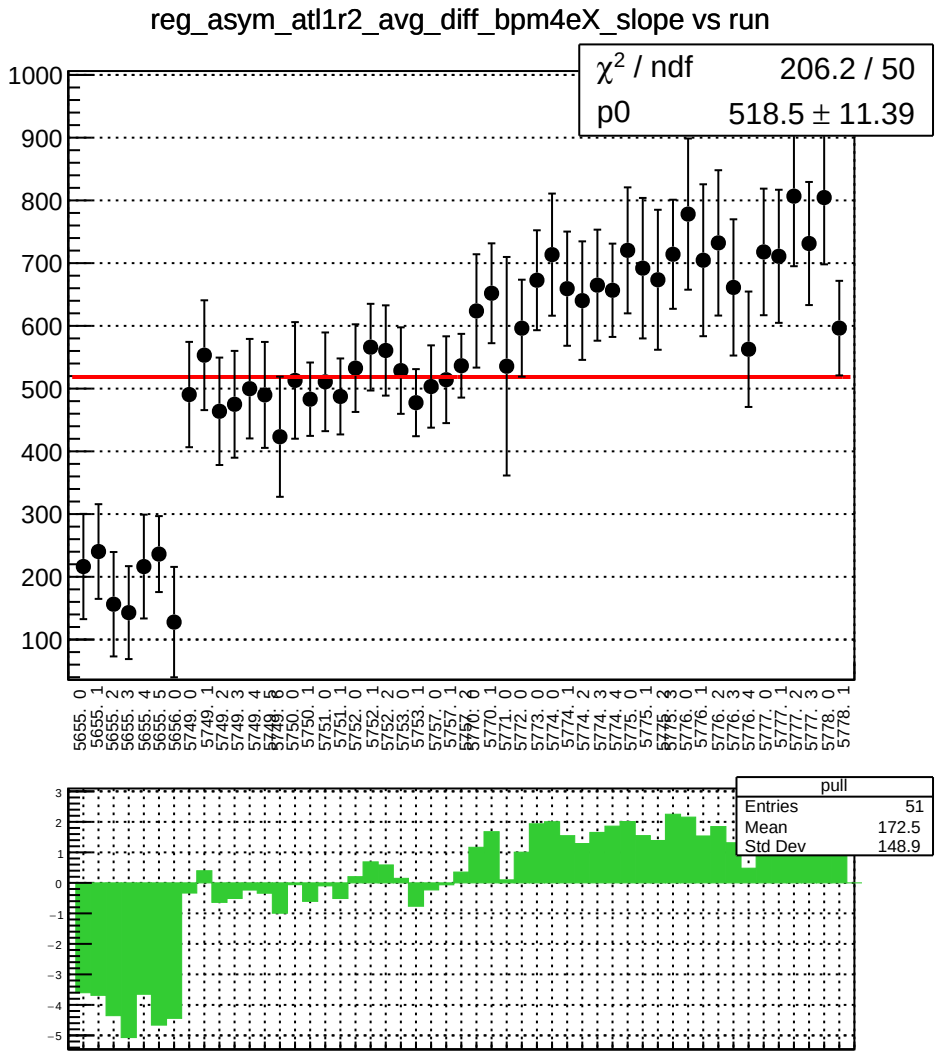

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.284e+04 / 50
p0 −4.631 ± 0.1578
pull
Entries 51
Mean 59.99
Std Dev 30.45

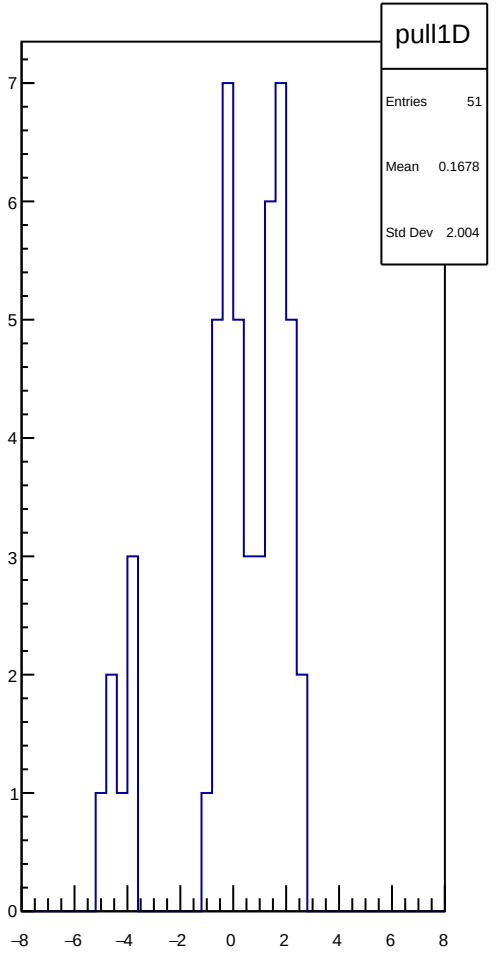

pull1D
Entries 51
Mean 6.063
Std Dev 2.45

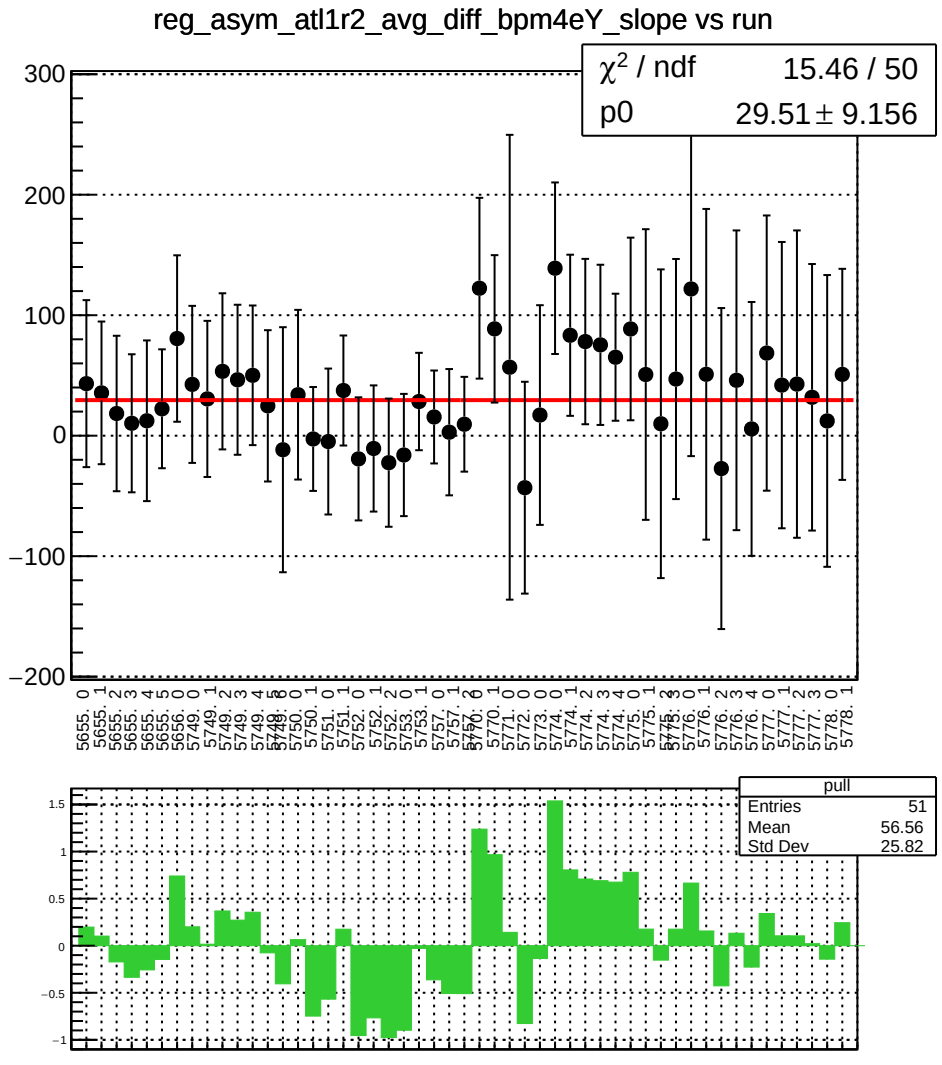

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 121.4 / 50
p0 −329.1± 9.037
pull
Entries 51
Mean 496.7
Std Dev 472.8

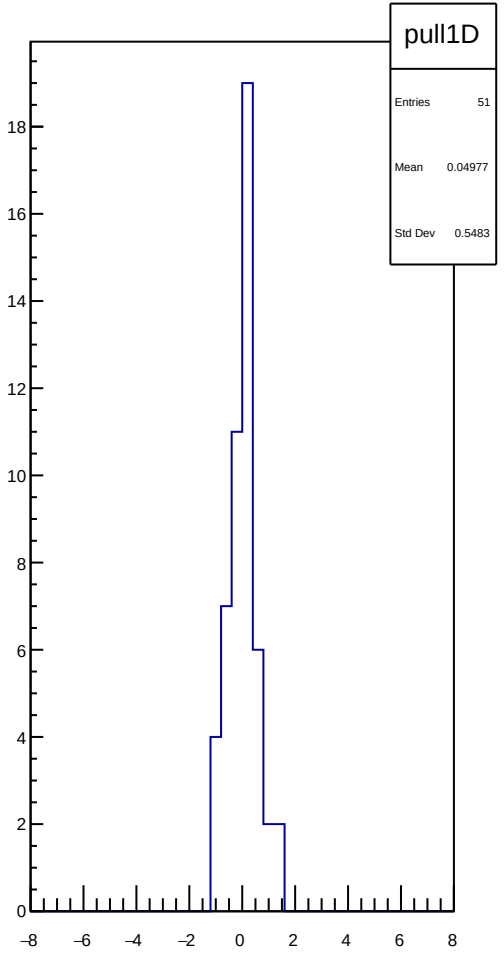

pull1D
Entries 51
Mean −0.04176
Std Dev 1.542


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.78 / 50
p0 21.48 ± 8.355
200
100
0
−100
−200
pull
Entries 51
Mean 375.8
Std Dev 354.5
1
0.5
0
−0.5
−1
pull1D
Entries 51
Mean 0.001104
Std Dev 0.5006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

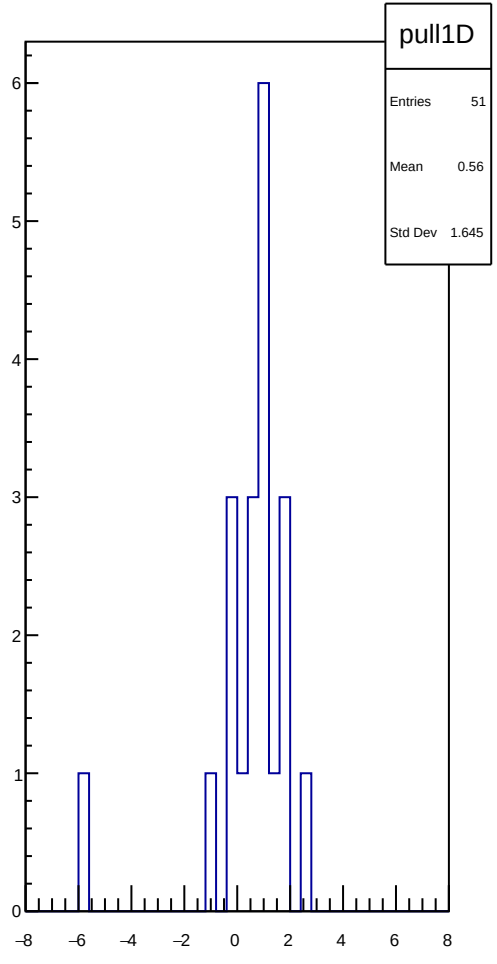

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 206.2 / 50
p0 518.5 ± 11.39
pull
Entries 51
Mean 172.5
Std Dev 148.9

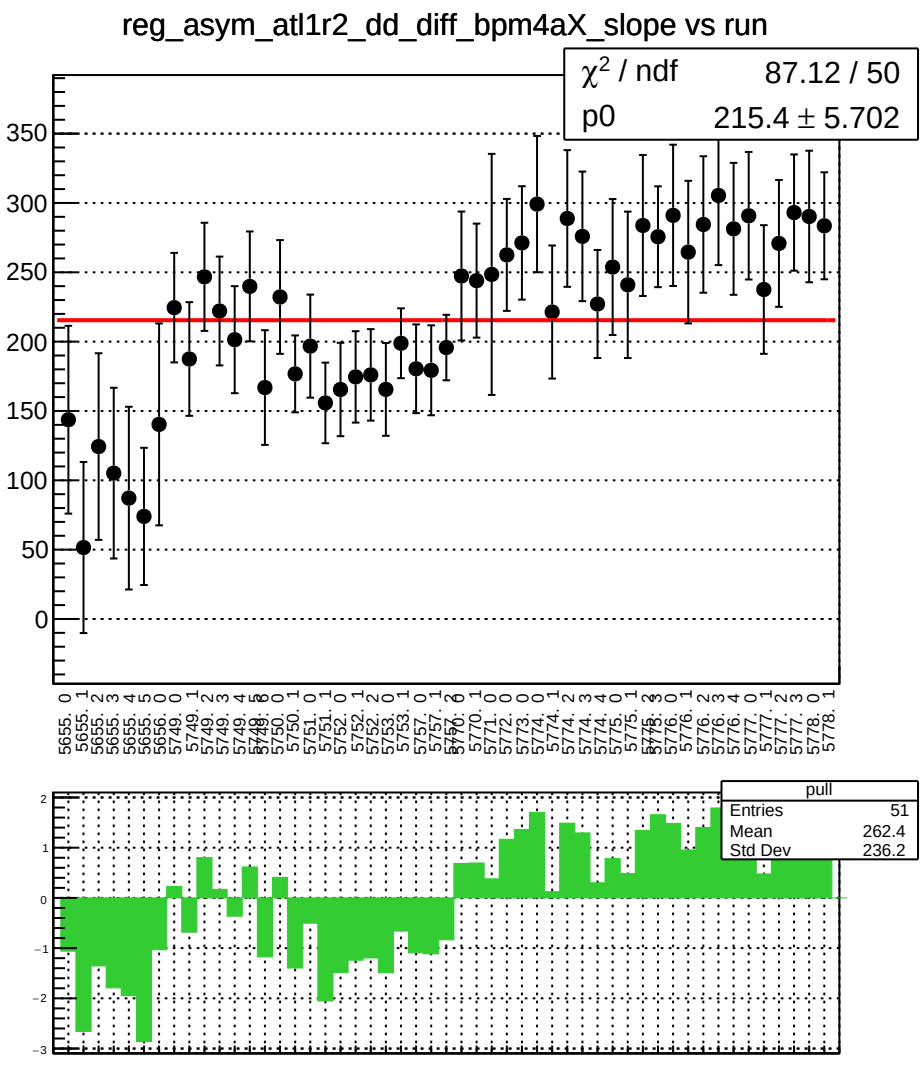

pull1D
Entries 51
Mean 0.1678
Std Dev 2.004

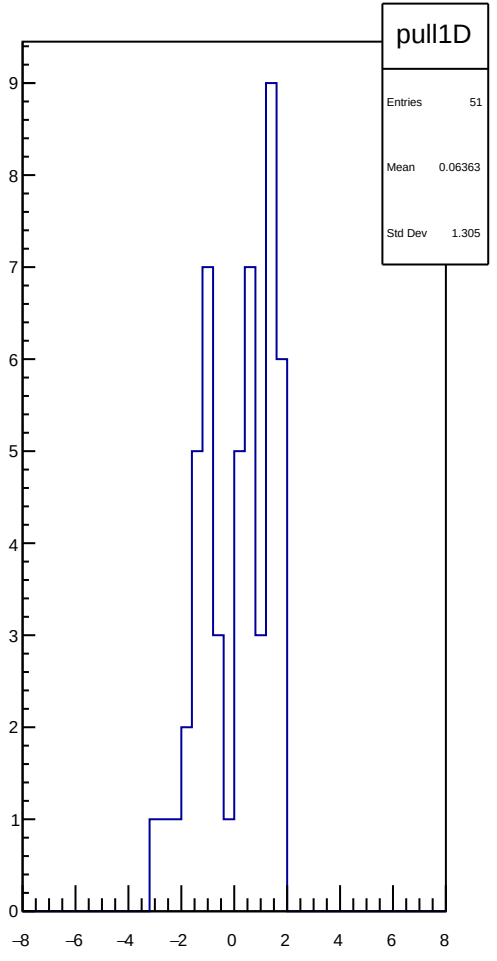

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 50
p0 29.51 ± 9.156
pull
Entries 51
Mean 56.56
Std Dev 25.82

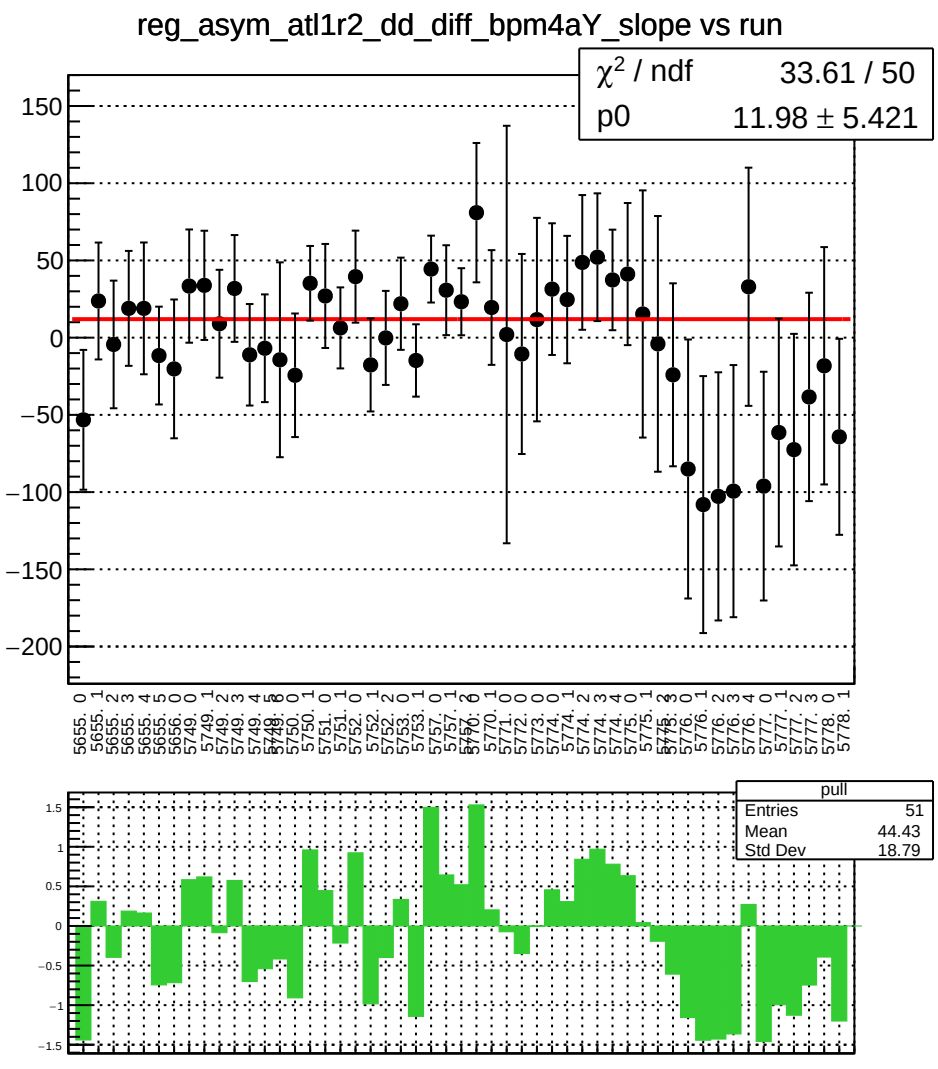

pull1D
Entries 51
Mean 0.04977
Std Dev 0.5483

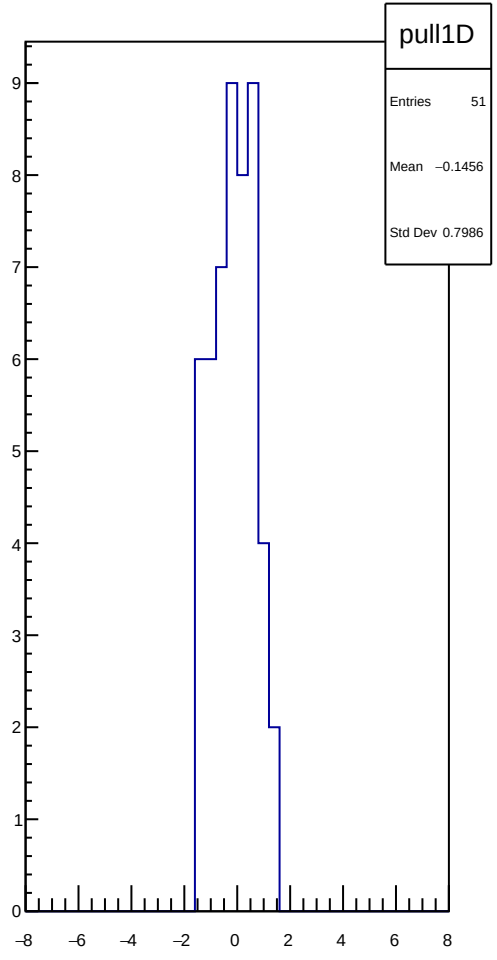
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5389 / 50
p0 −128.8 ± 0.4319
pull
Entries 51
Mean 58.71
Std Dev 31.1

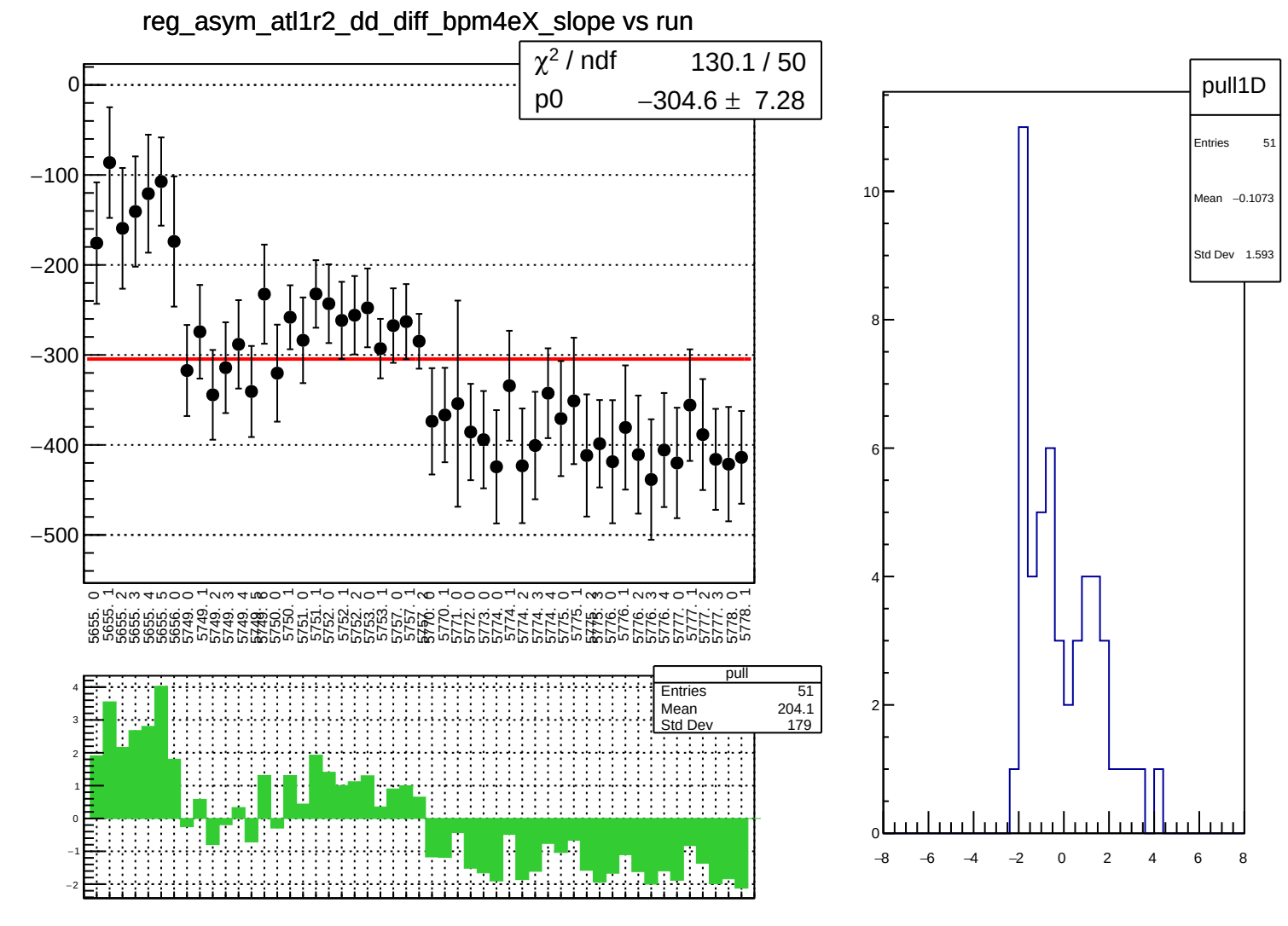

pull1D
Entries 51
Mean 0.56
Std Dev 1.645

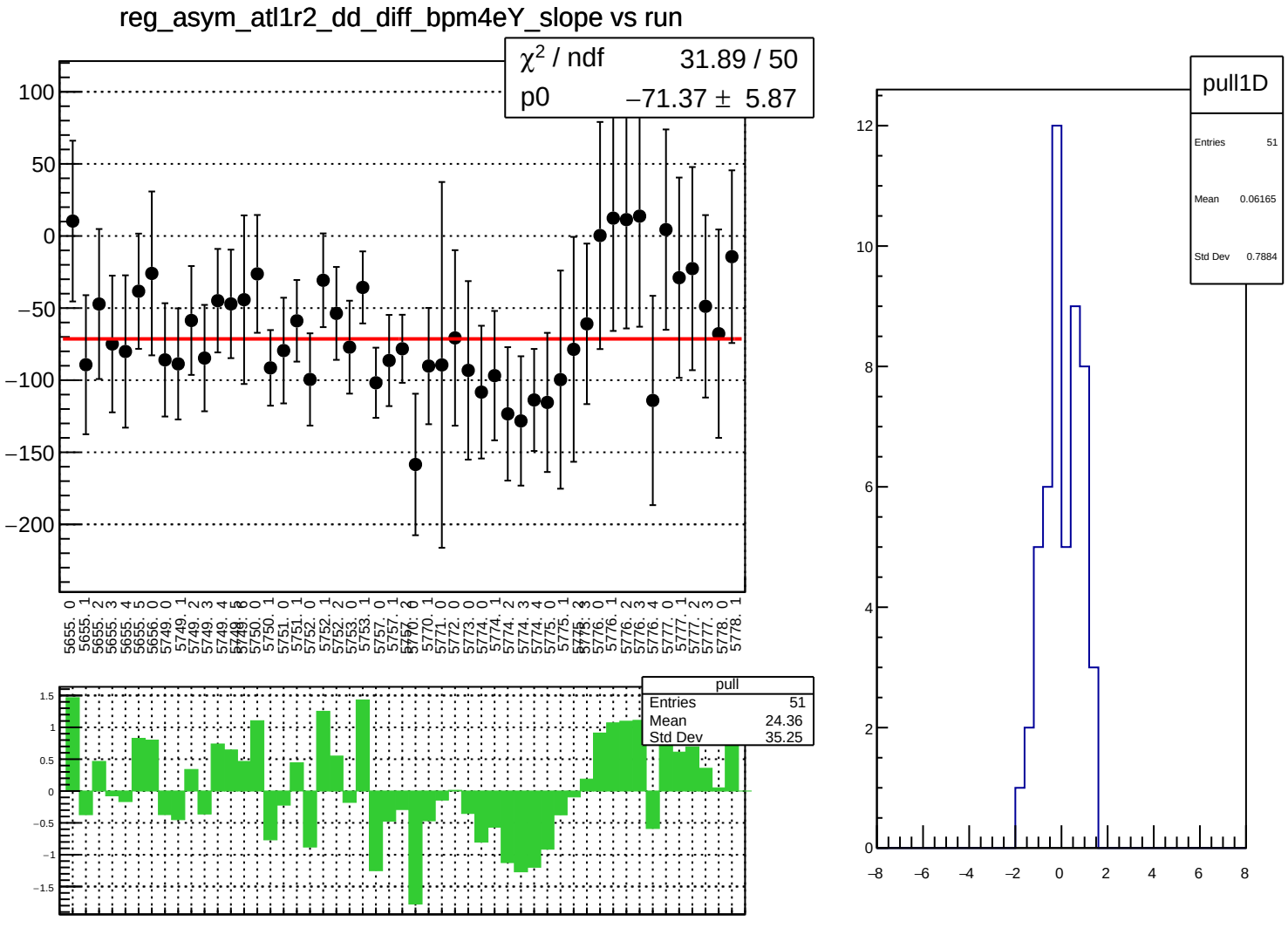

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 87.12 / 50
p0 215.4 ± 5.702
pull
Entries 51
Mean 262.4
Std Dev 236.2

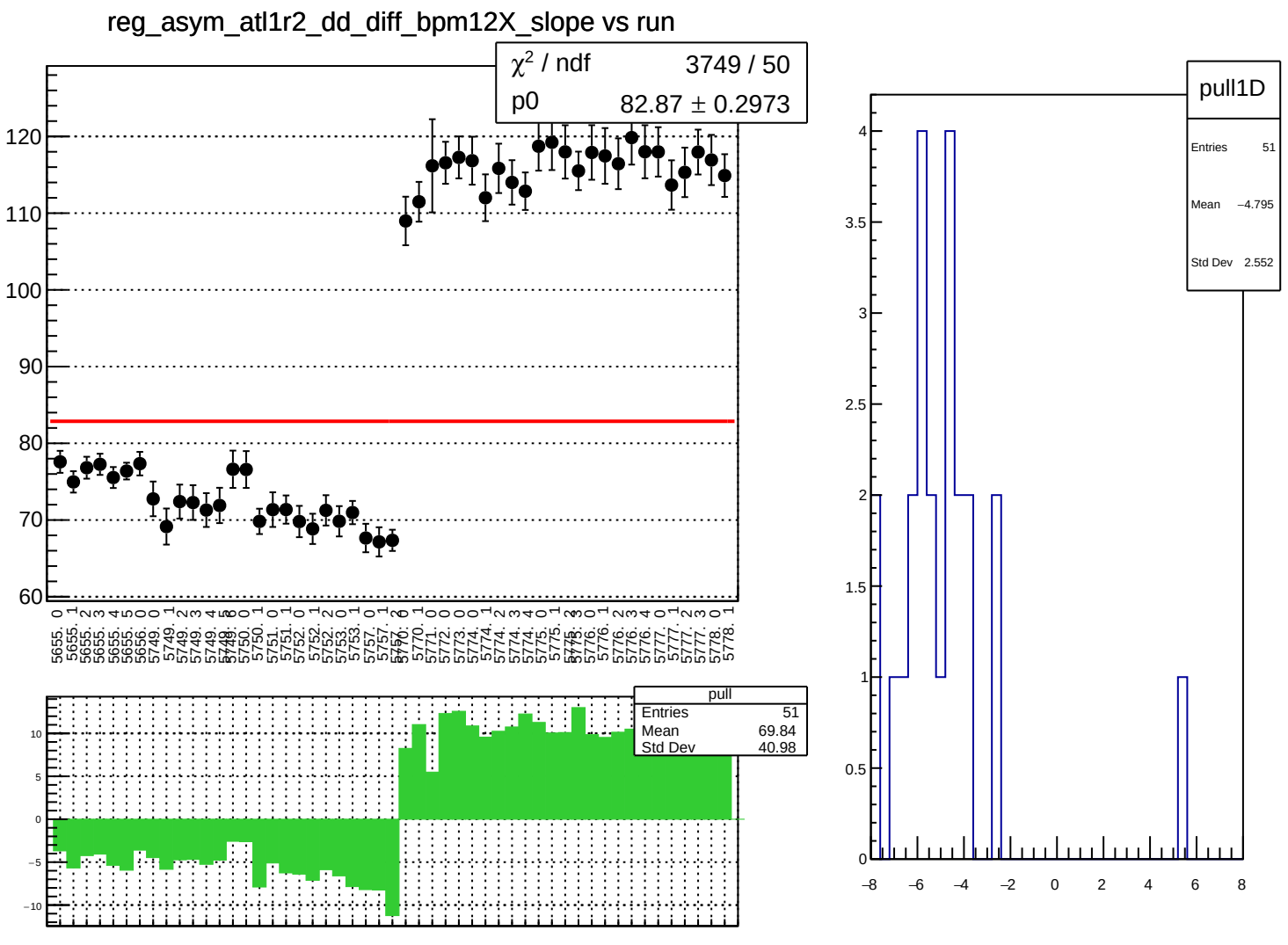

pull1D
Entries 51
Mean 0.06363
Std Dev 1.305

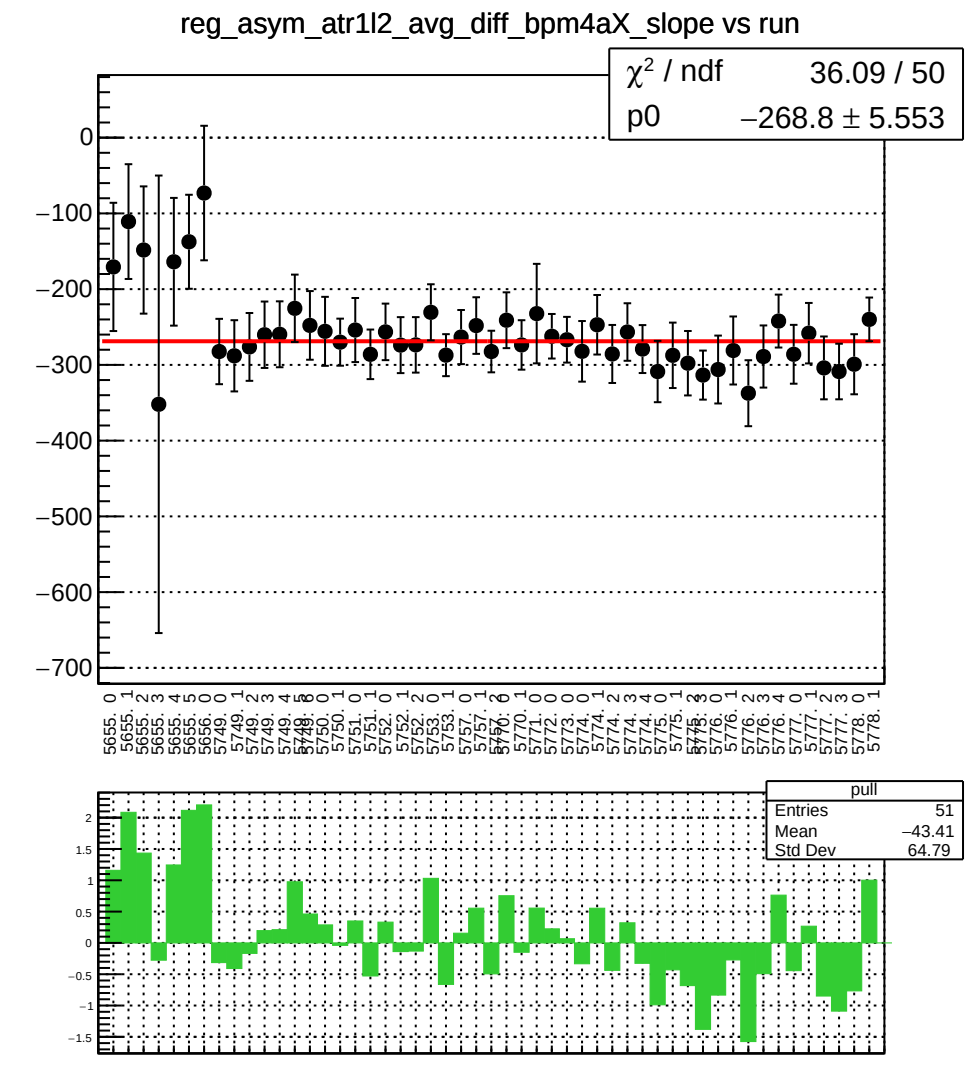

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 50
p0 11.98 ± 5.421
pull
Entries 51
Mean 44.43
Std Dev 18.79

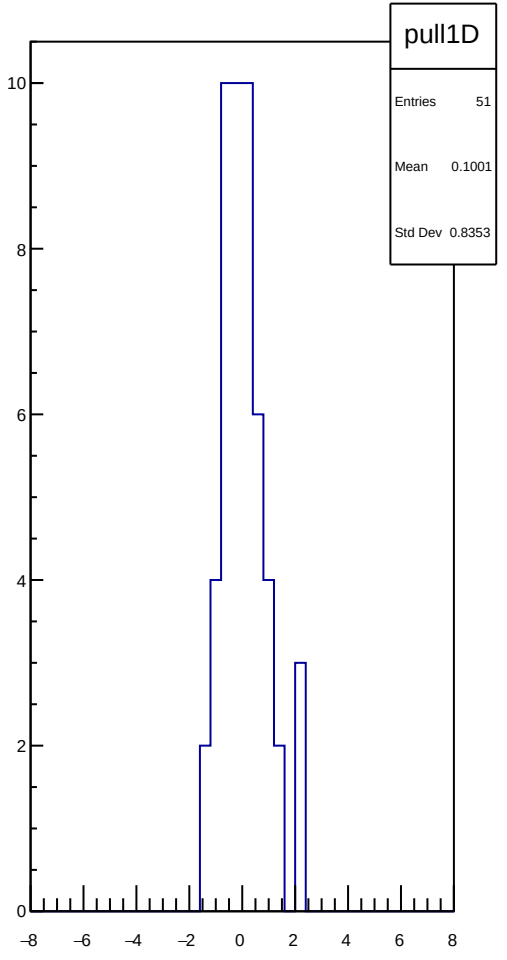

pull1D
Entries 51
Mean −0.1456
Std Dev 0.7986

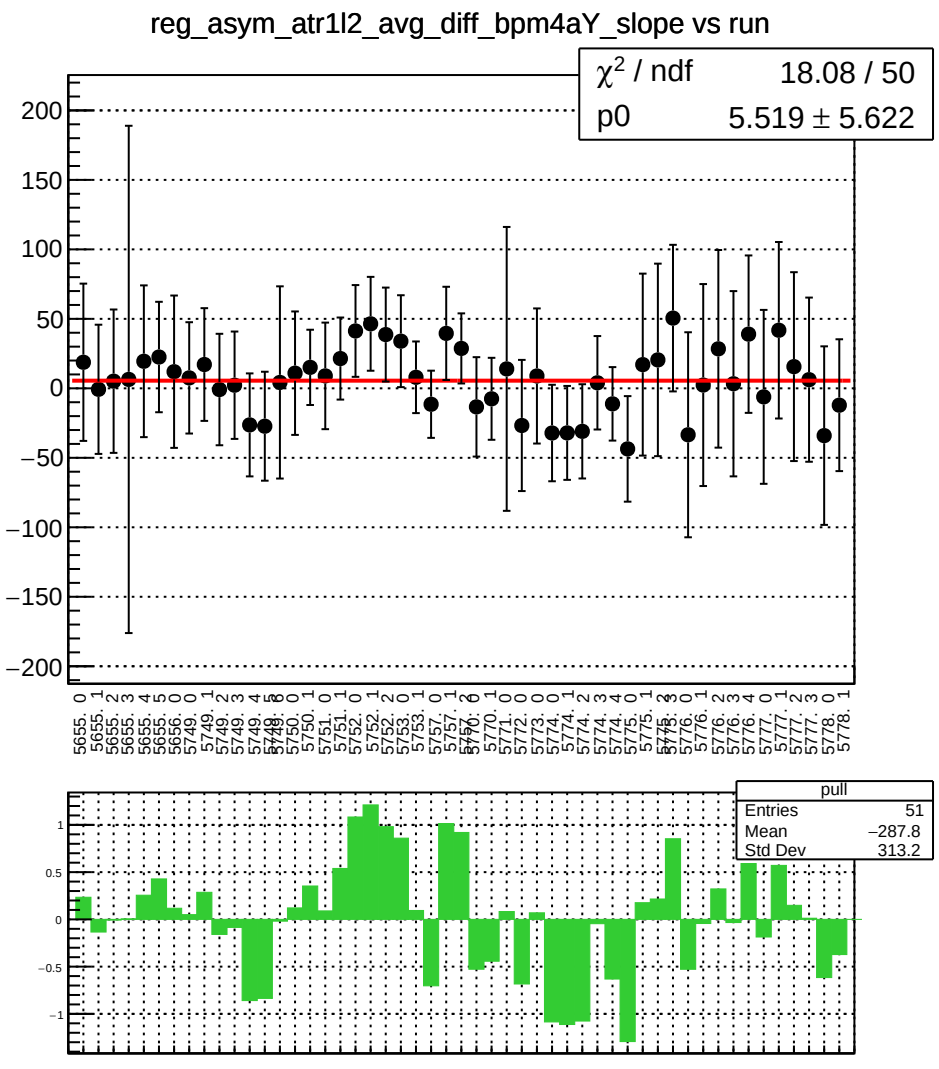

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.1 / 50
p0 −304.6 ± 7.28
pull
Entries 51
Mean 204.1
Std Dev 179
pull1D
Entries 51
Mean −0.1073
Std Dev 1.593

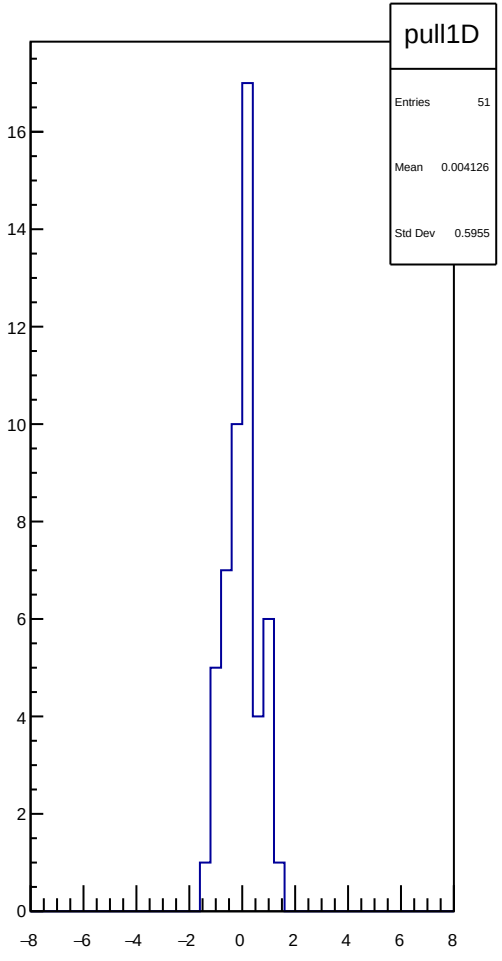

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.89 / 50
p0 −71.37 ± 5.87
pull
Entries 51
Mean 24.36
Std Dev 35.25
pull1D
Entries 51
Mean 0.06165
Std Dev 0.7884

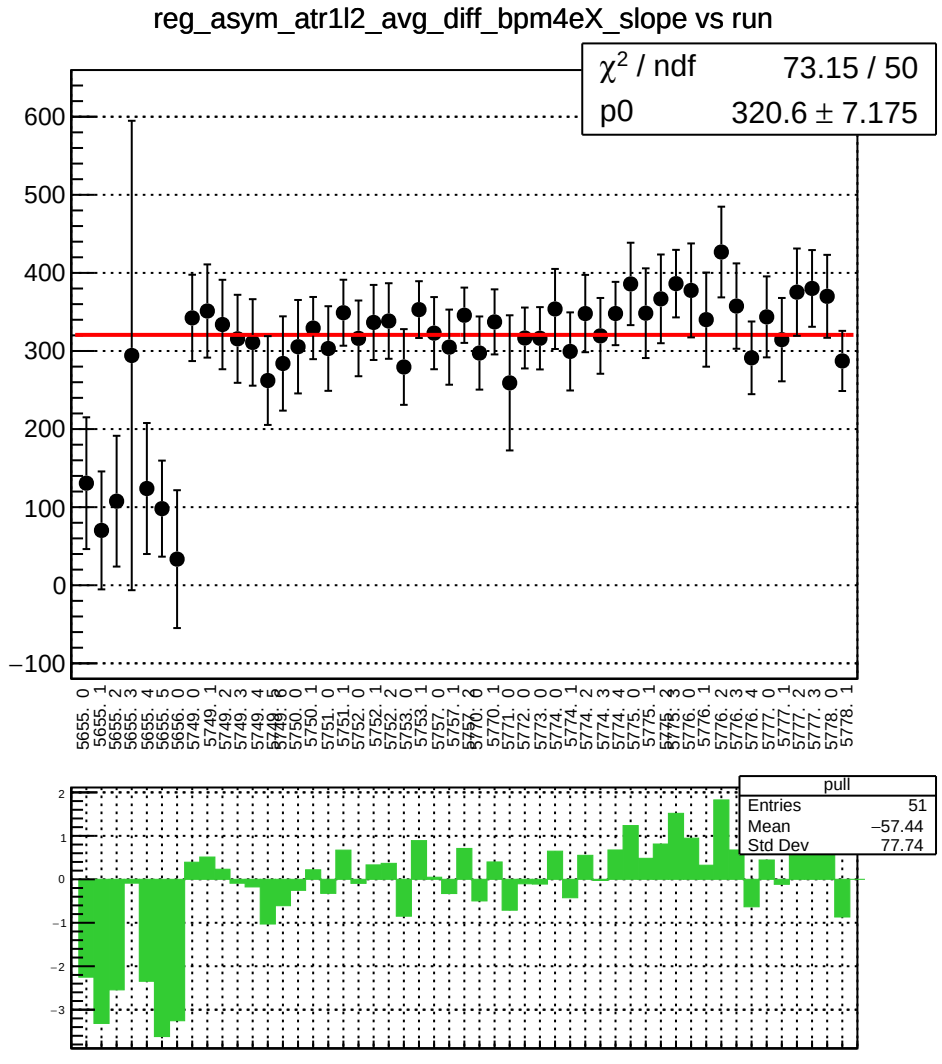

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 3749 / 50
p0 82.87 ± 0.2973
pull
Entries 51
Mean 69.84
Std Dev 40.98
pull1D
Entries 51
Mean −4.795
Std Dev 2.552

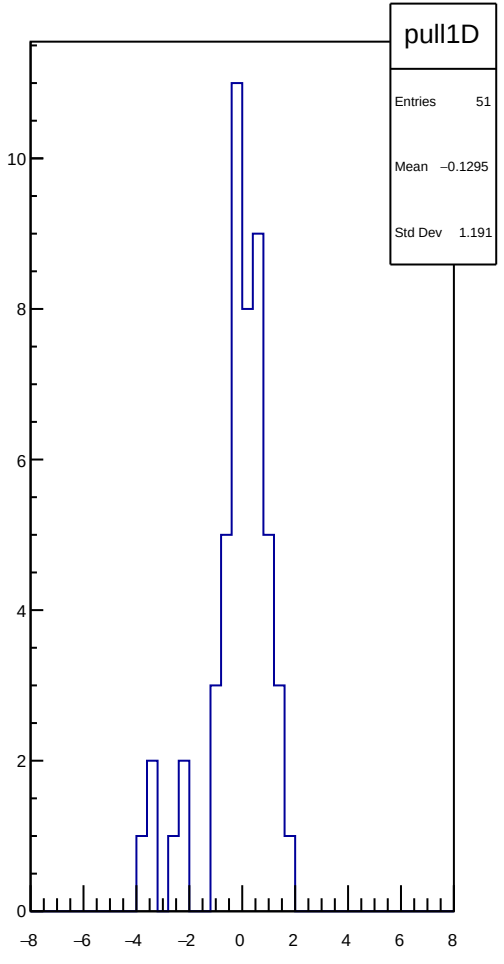

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.09 / 50
p0 −268.8 ± 5.553
pull
Entries 51
Mean −43.41
Std Dev 64.79

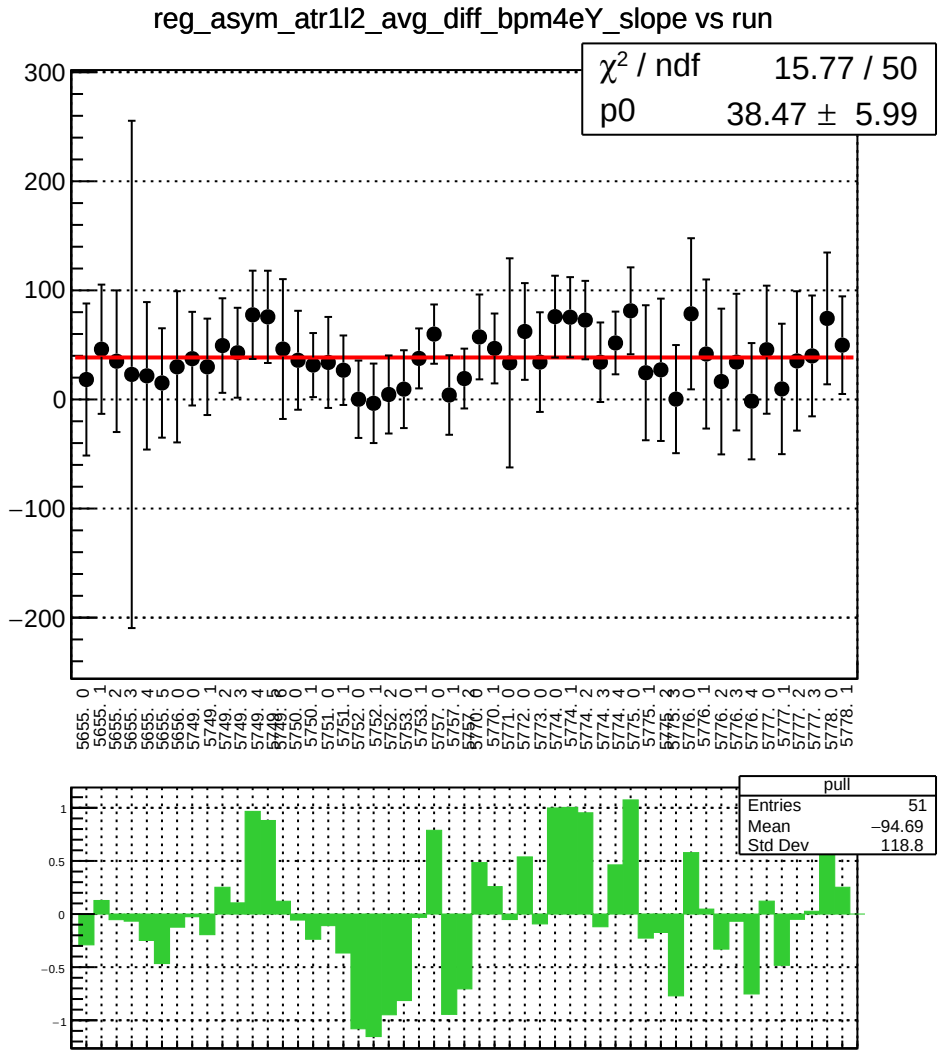

pull1D
Entries 51
Mean 0.1001
Std Dev 0.8353

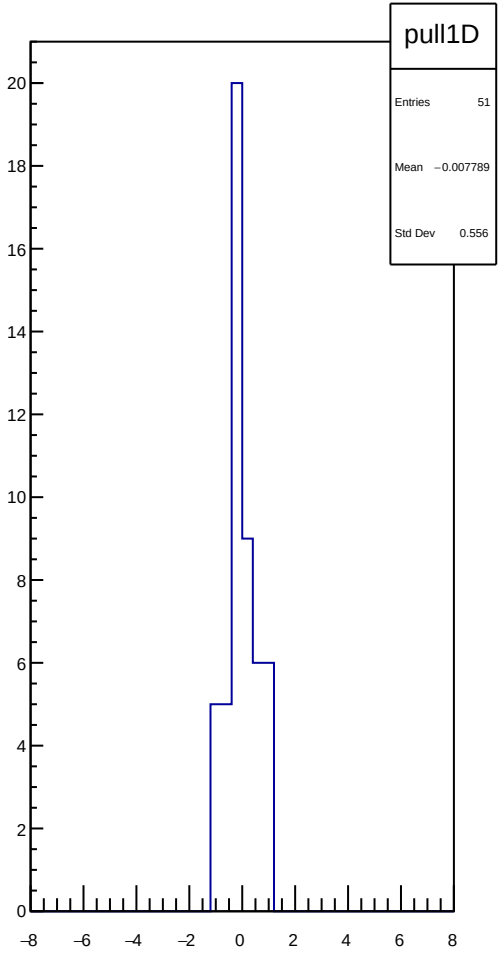

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.08 / 50
p0 5.519 ± 5.622
pull
Entries 51
Mean −287.8
Std Dev 313.2

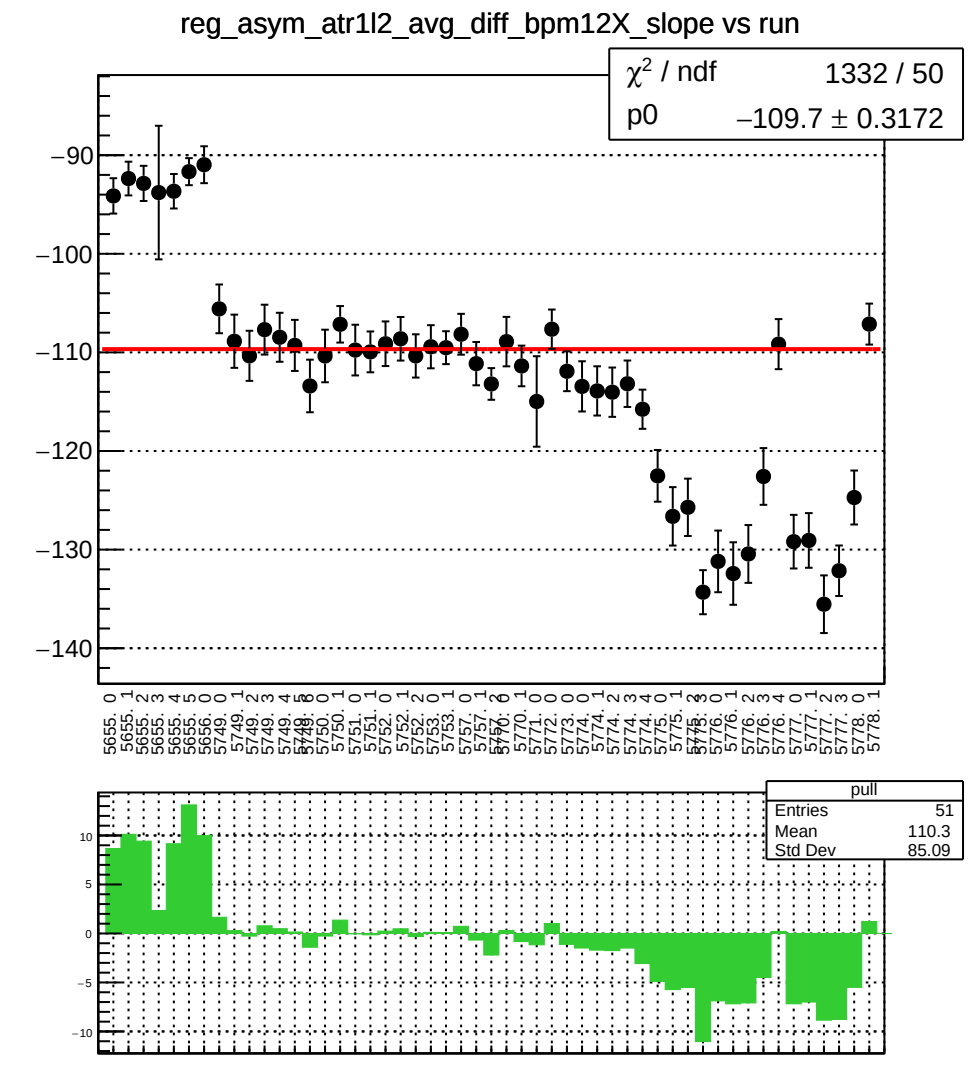

pull1D
Entries 51
Mean 0.004126
Std Dev 0.5955

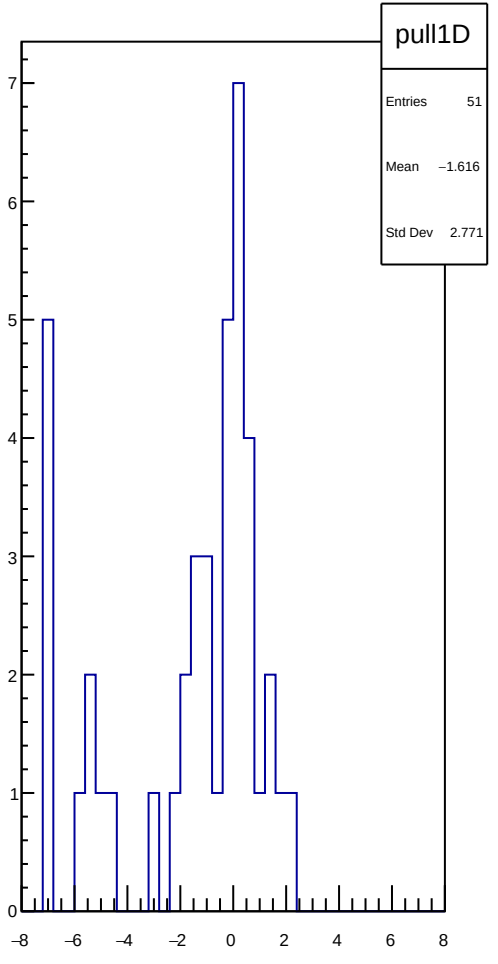

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.15 / 50
p0 320.6 ± 7.175
pull
Entries 51
Mean −57.44
Std Dev 77.74

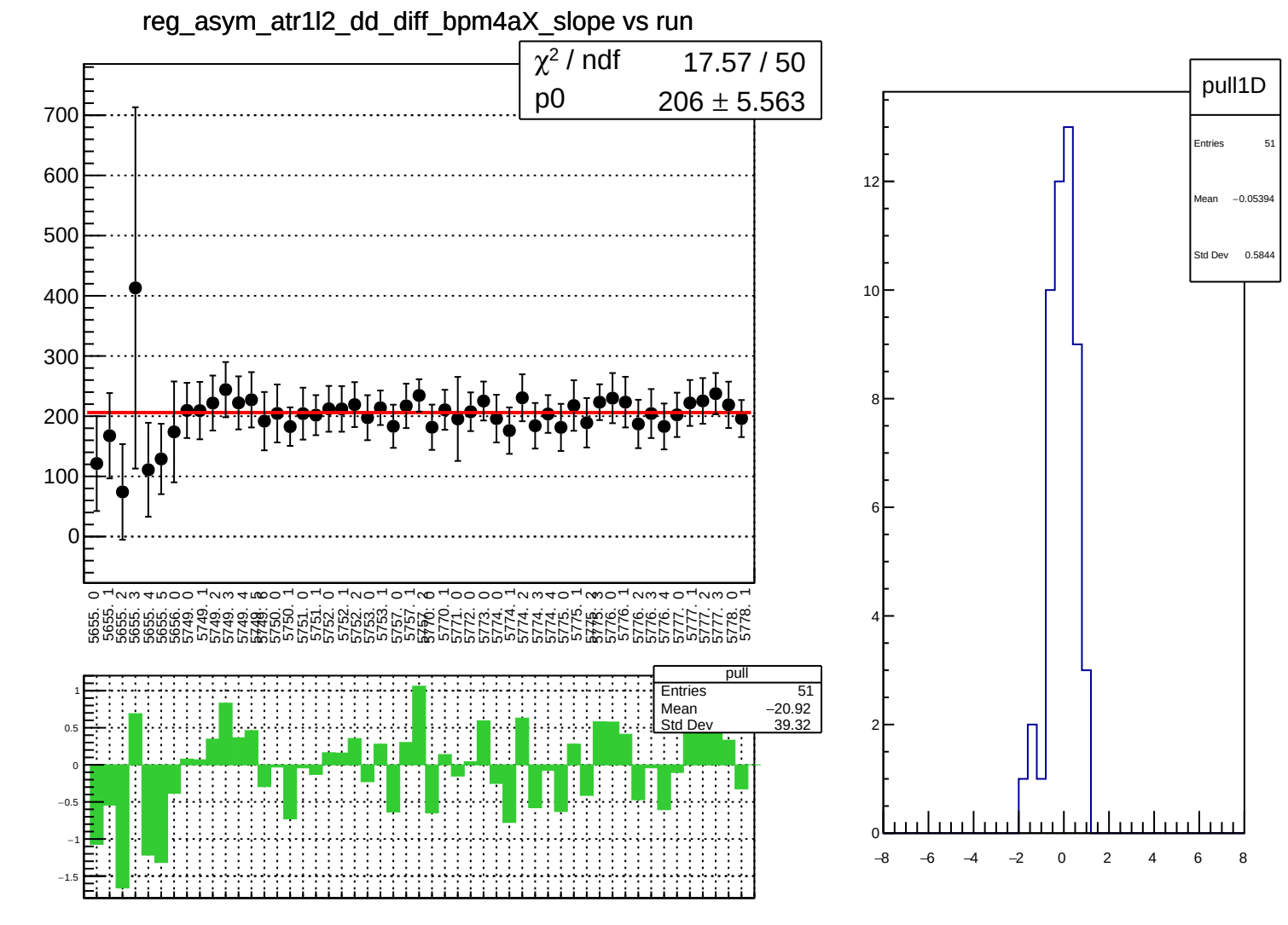

pull1D
Entries 51
Mean −0.1295
Std Dev 1.191

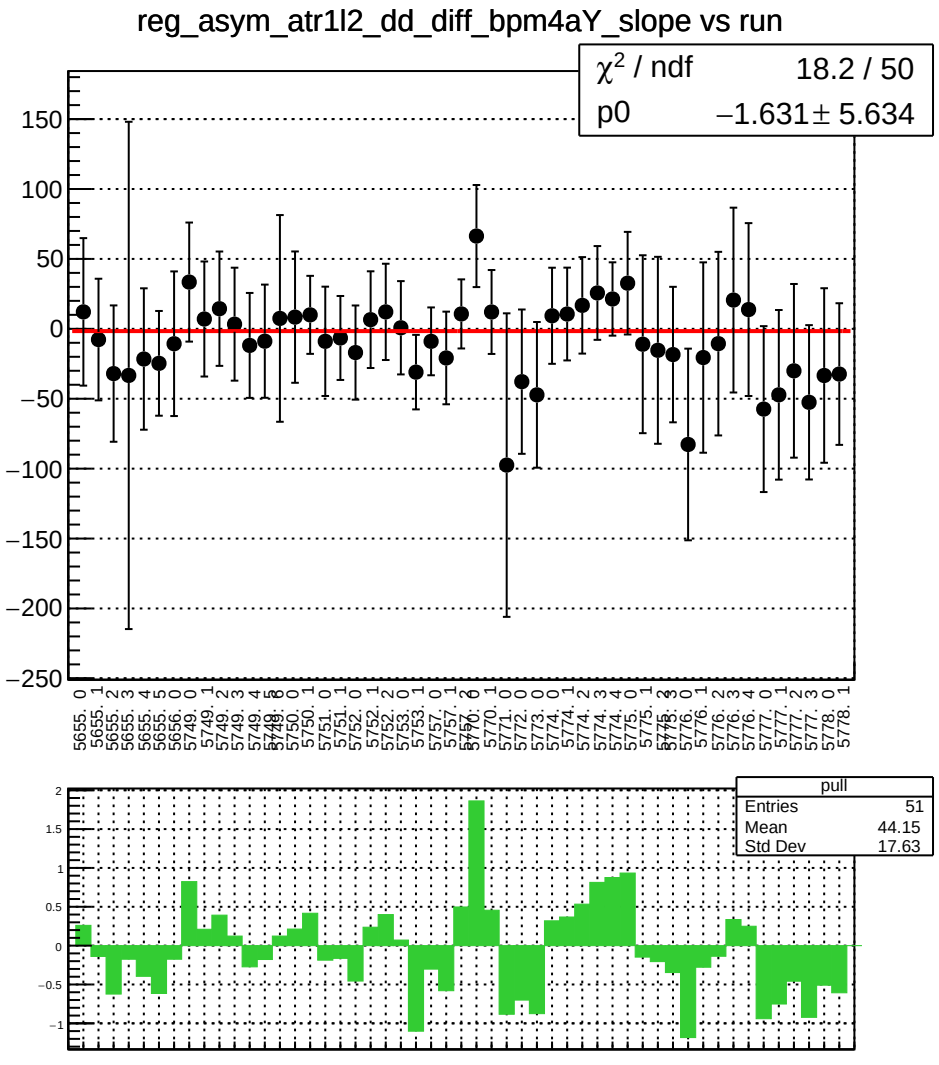

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 50
p0 38.47 ± 5.99
pull
Entries 51
Mean −94.69
Std Dev 118.8

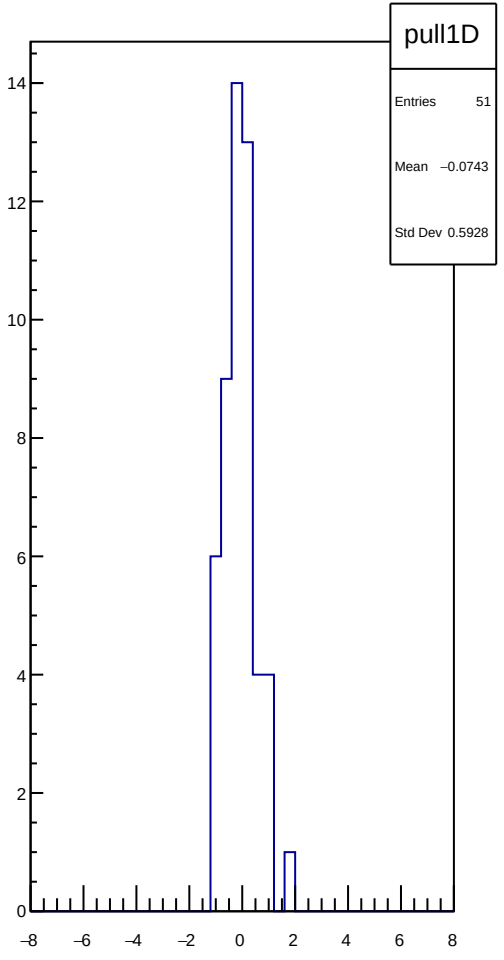

pull1D
Entries 51
Mean −0.007789
Std Dev 0.556

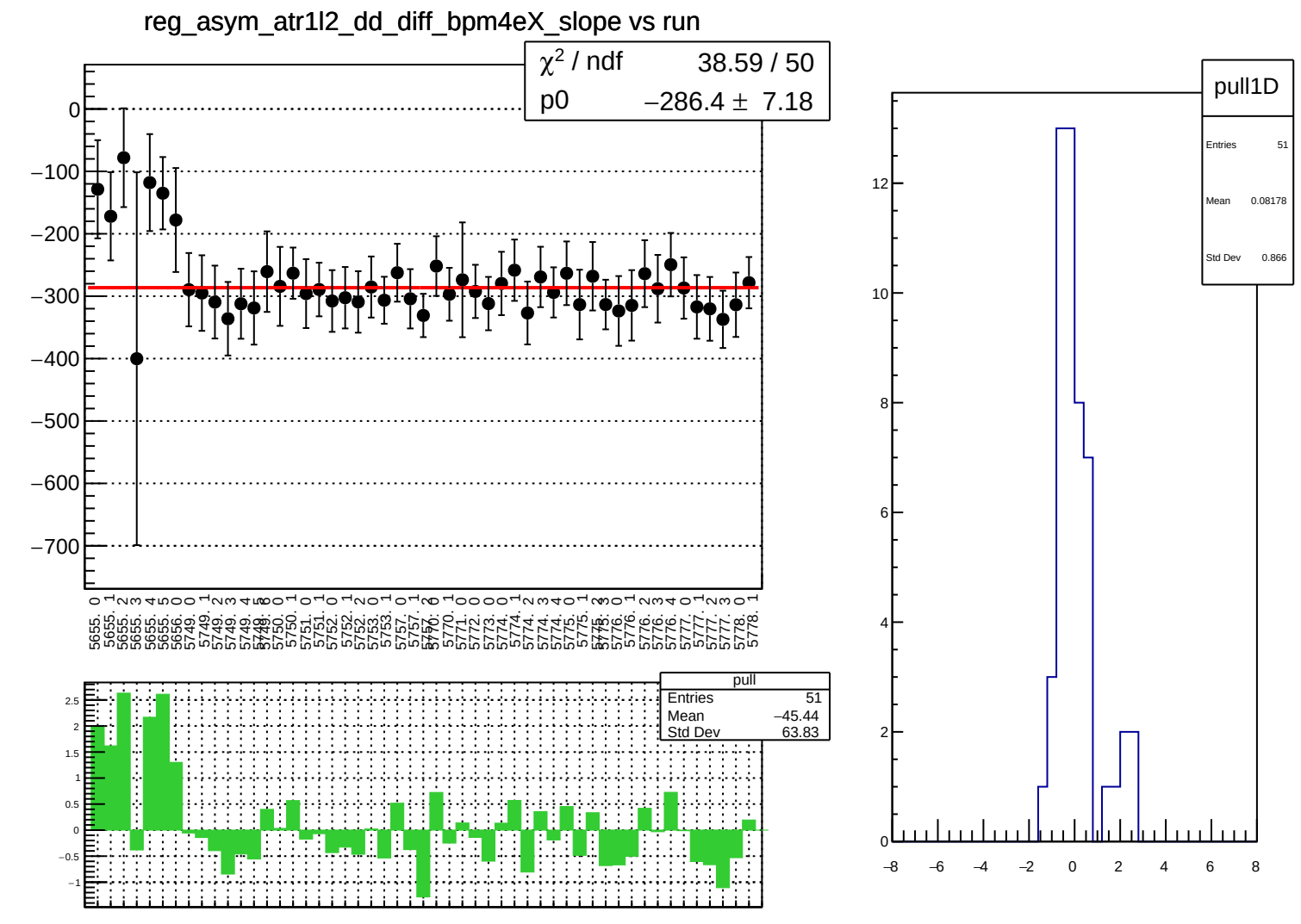

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1332 / 50
p0 −109.7 ± 0.3172
pull
Entries 51
Mean 110.3
Std Dev 85.09

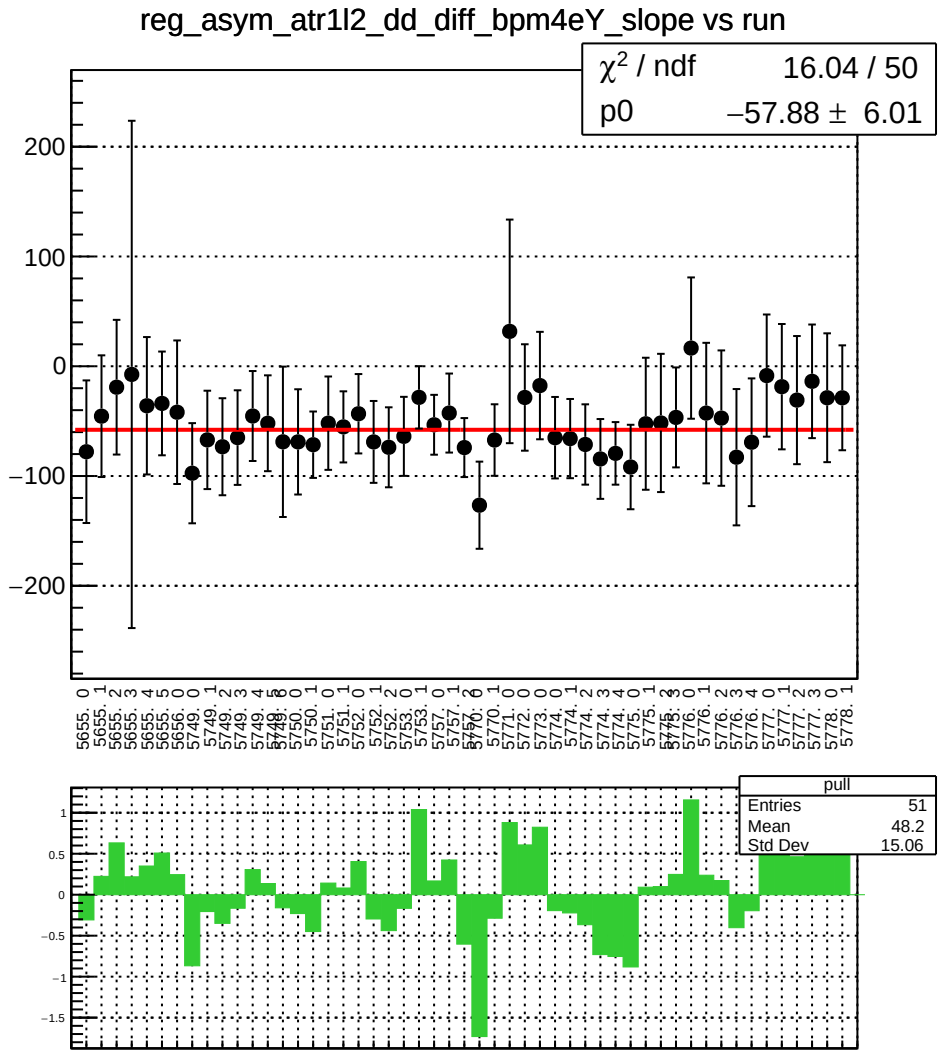

pull1D
Entries 51
Mean −1.616
Std Dev 2.771

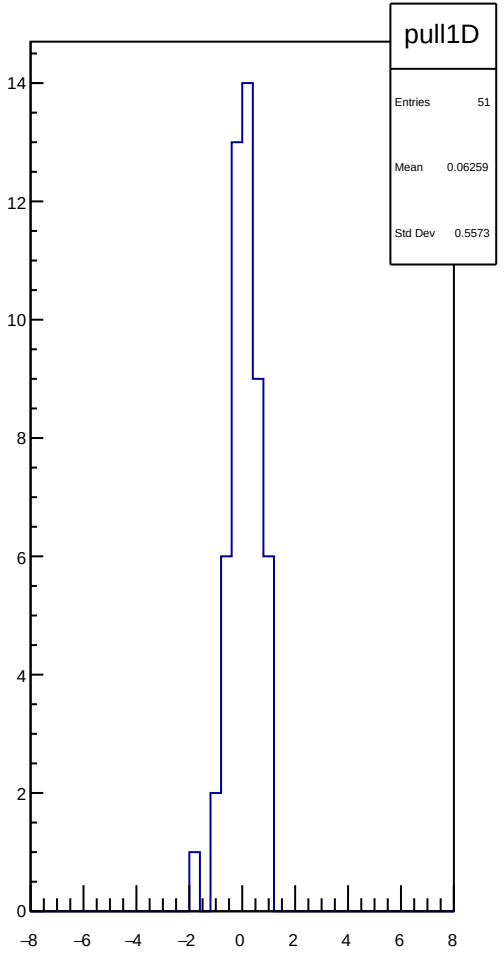

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.57 / 50
p0 206 ± 5.563
pull
Entries 51
Mean −20.92
Std Dev 39.32
pull1D
Entries 51
Mean −0.05394
Std Dev 0.5844

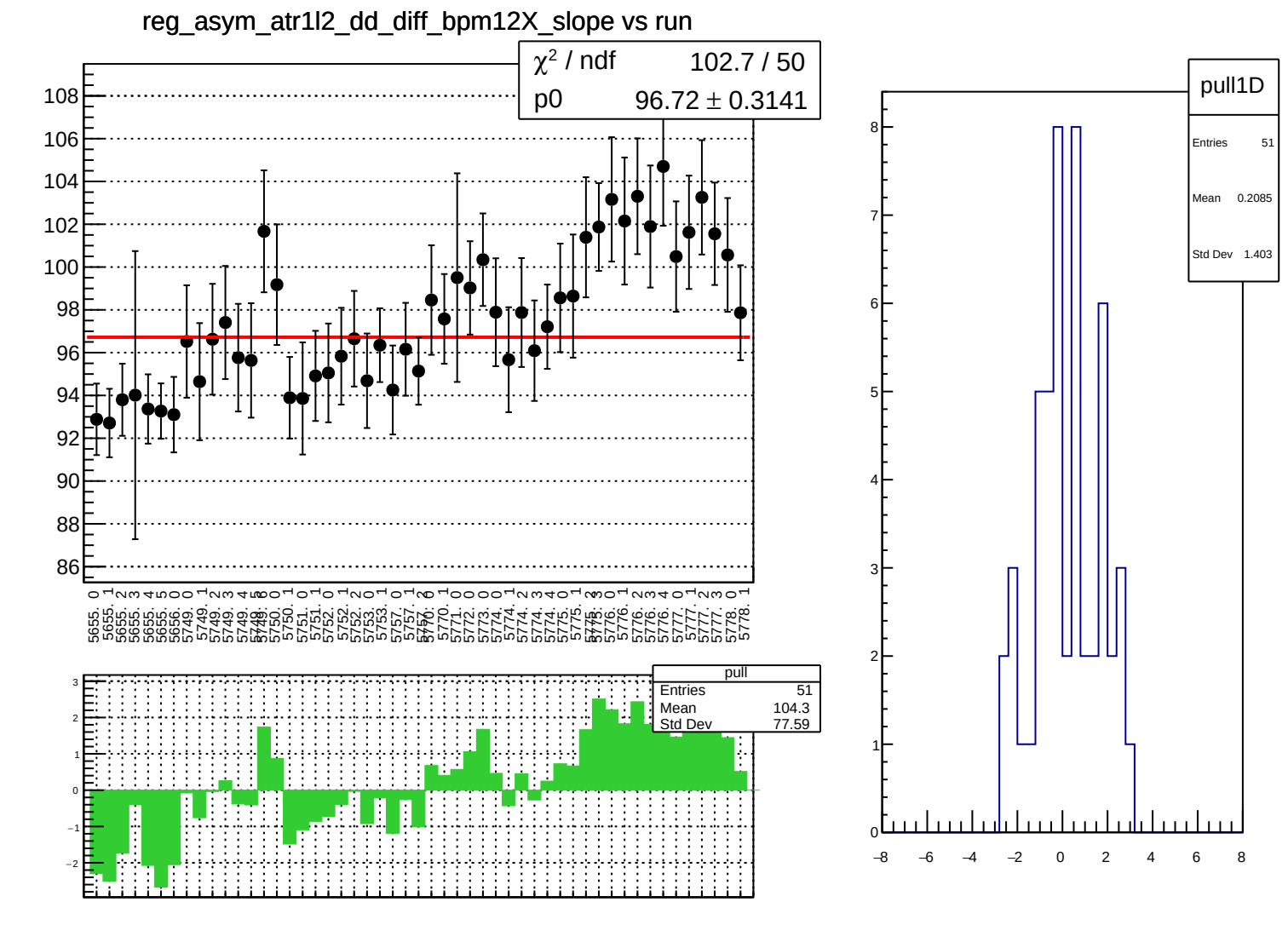

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.2 / 50
p0 −1.631 ± 5.634
pull
Entries 51
Mean 44.15
Std Dev 17.63

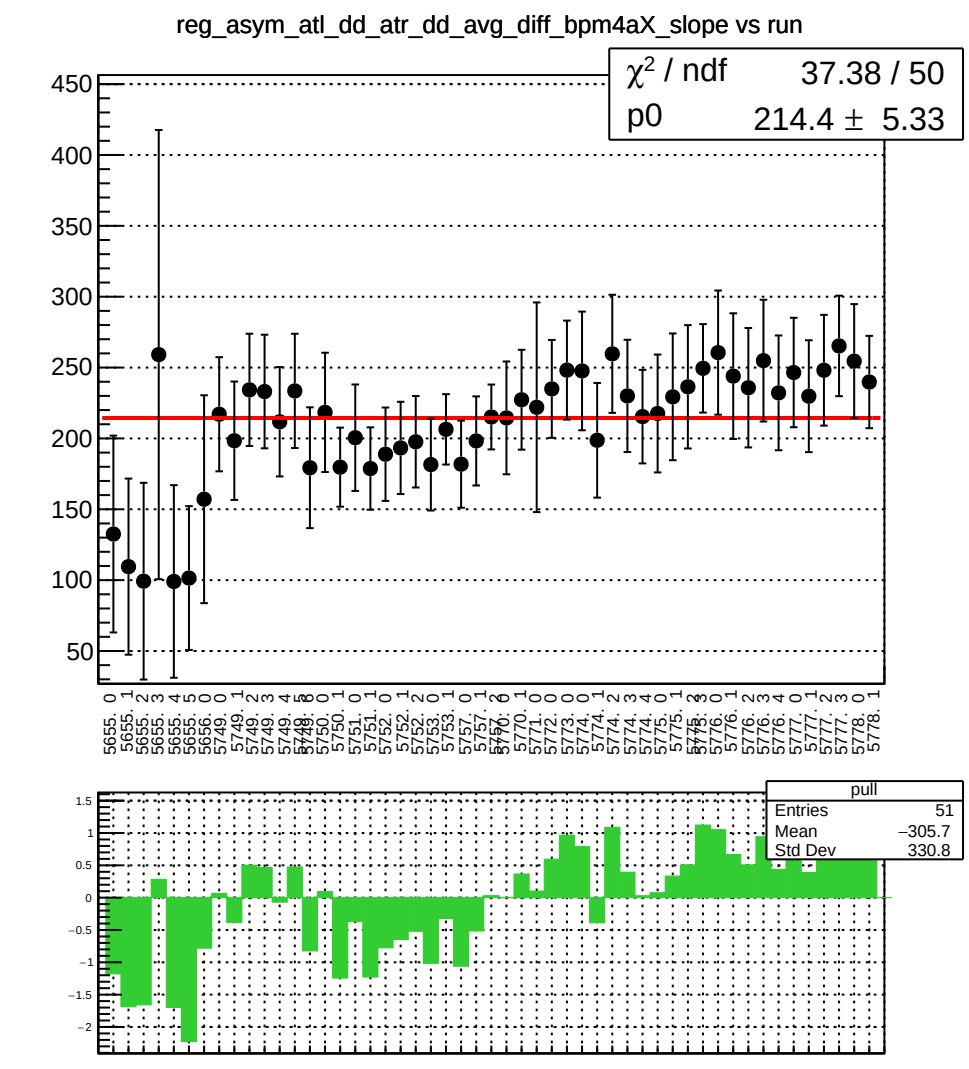

pull1D
Entries 51
Mean −0.0743
Std Dev 0.5928

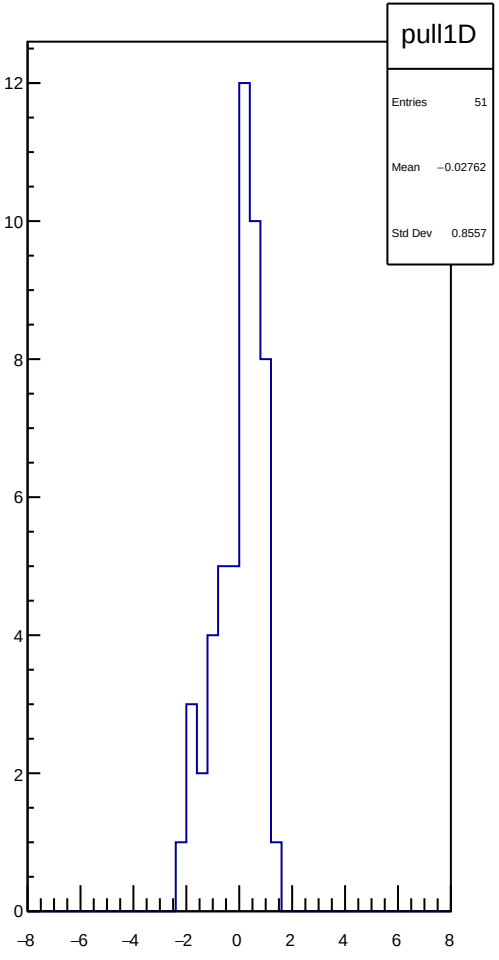

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.59 / 50
p0 −286.4 ± 7.18
pull
Entries 51
Mean −45.44
Std Dev 63.83
pull1D
Entries 51
Mean 0.08178
Std Dev 0.866

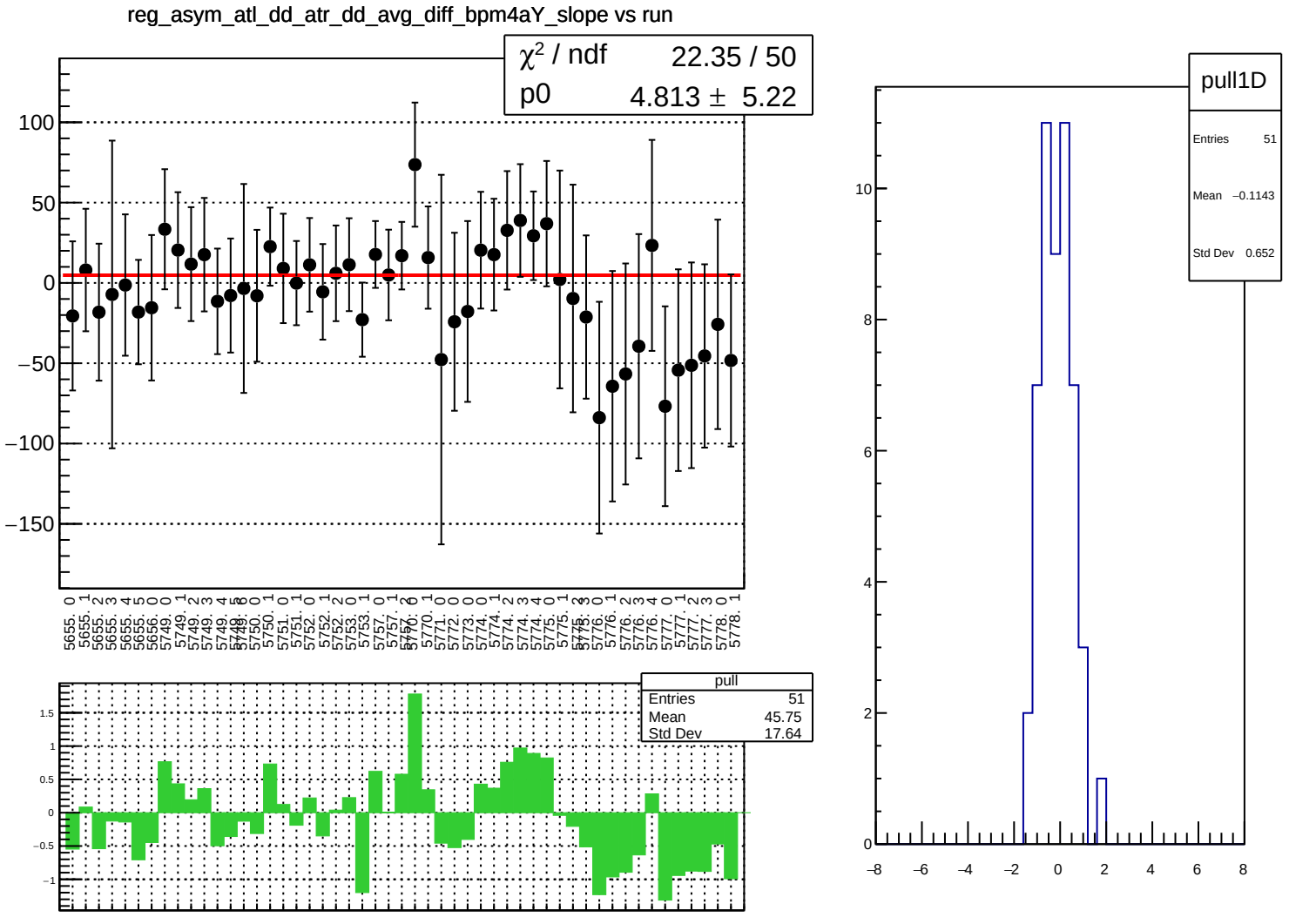

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 50
p0 −57.88 ± 6.01
200
100
0
−100
−200
pull
Entries 51
Mean 48.2
Std Dev 15.06
1
0.5
0
−0.5
−1
−1.5

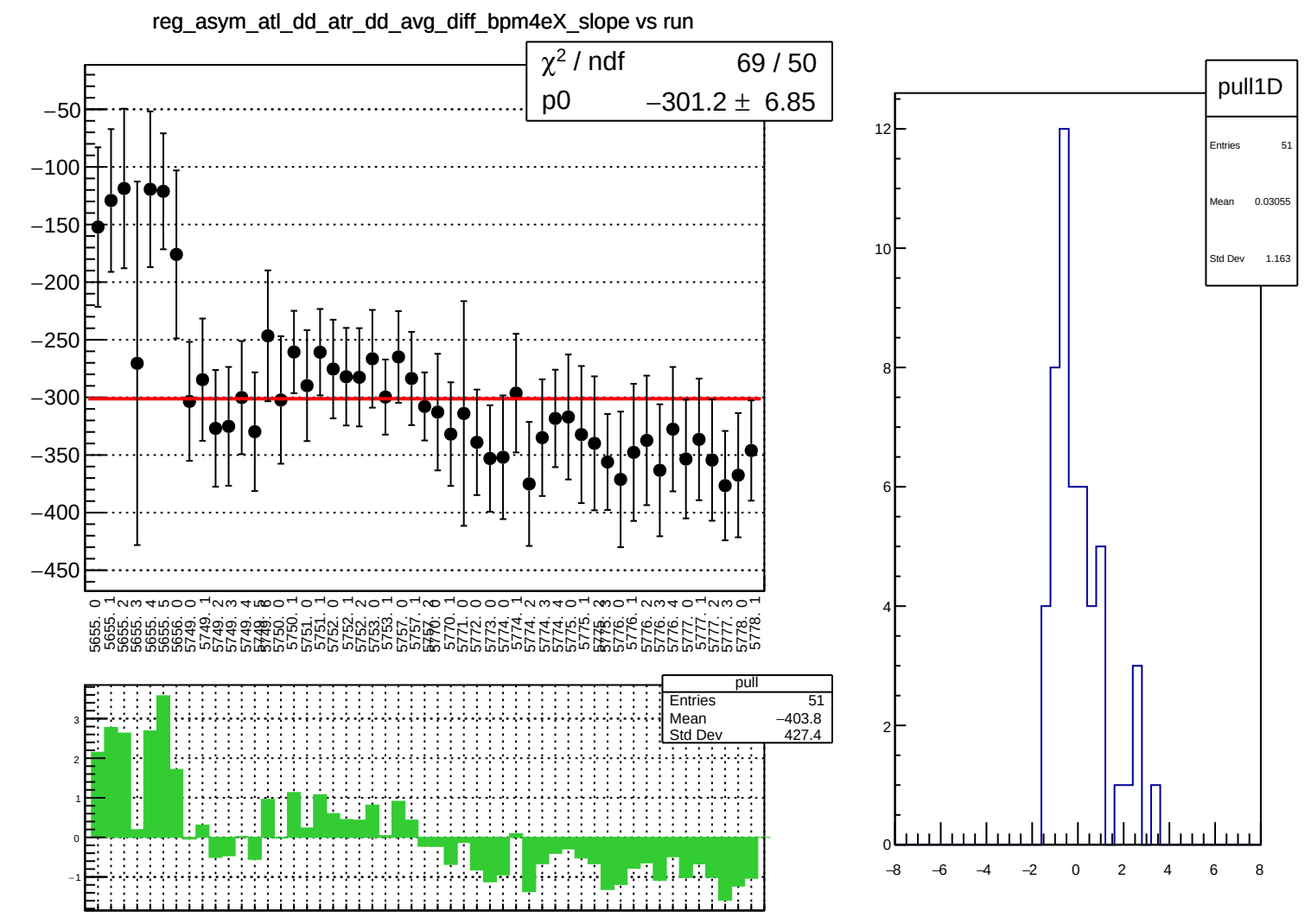

pull1D
Entries 51
Mean 0.06259
Std Dev 0.5573
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

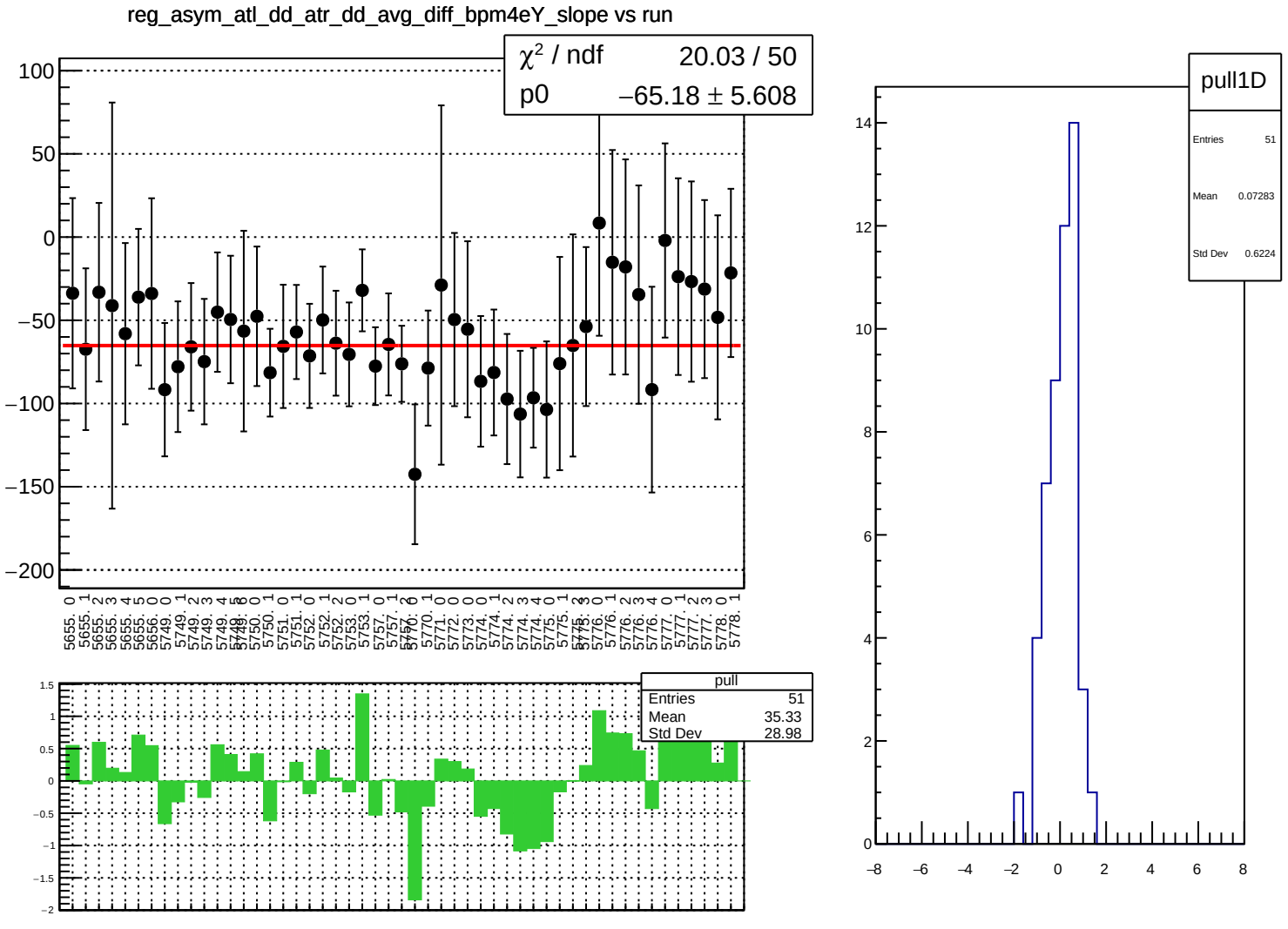

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 102.7 / 50
p0 96.72 ± 0.3141
pull
Entries 51
Mean 104.3
Std Dev 77.59
pull1D
Entries 51
Mean 0.2085
Std Dev 1.403

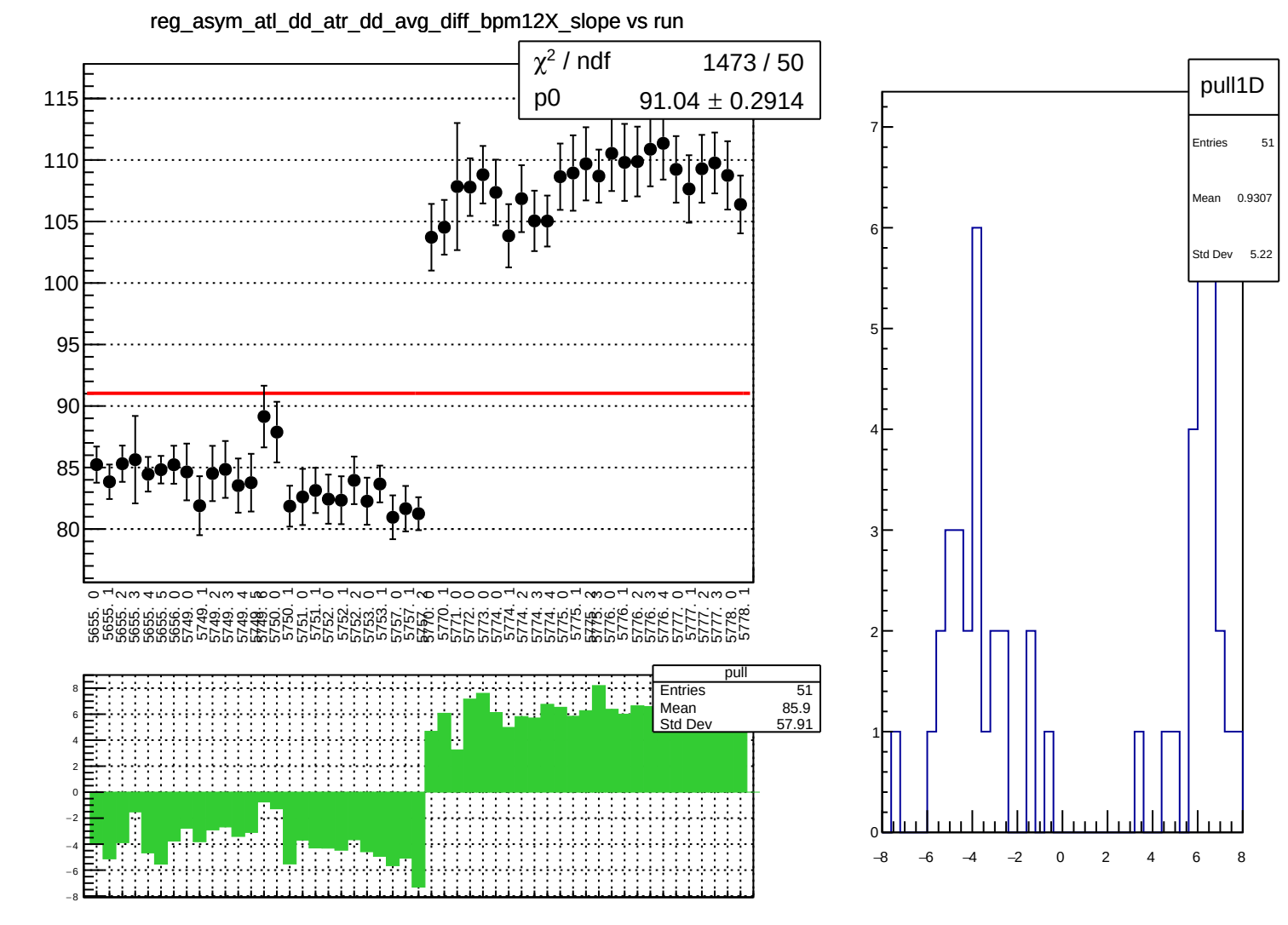

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.38 / 50
p0 214.4 ± 5.33
pull
Entries 51
Mean −305.7
Std Dev 330.8

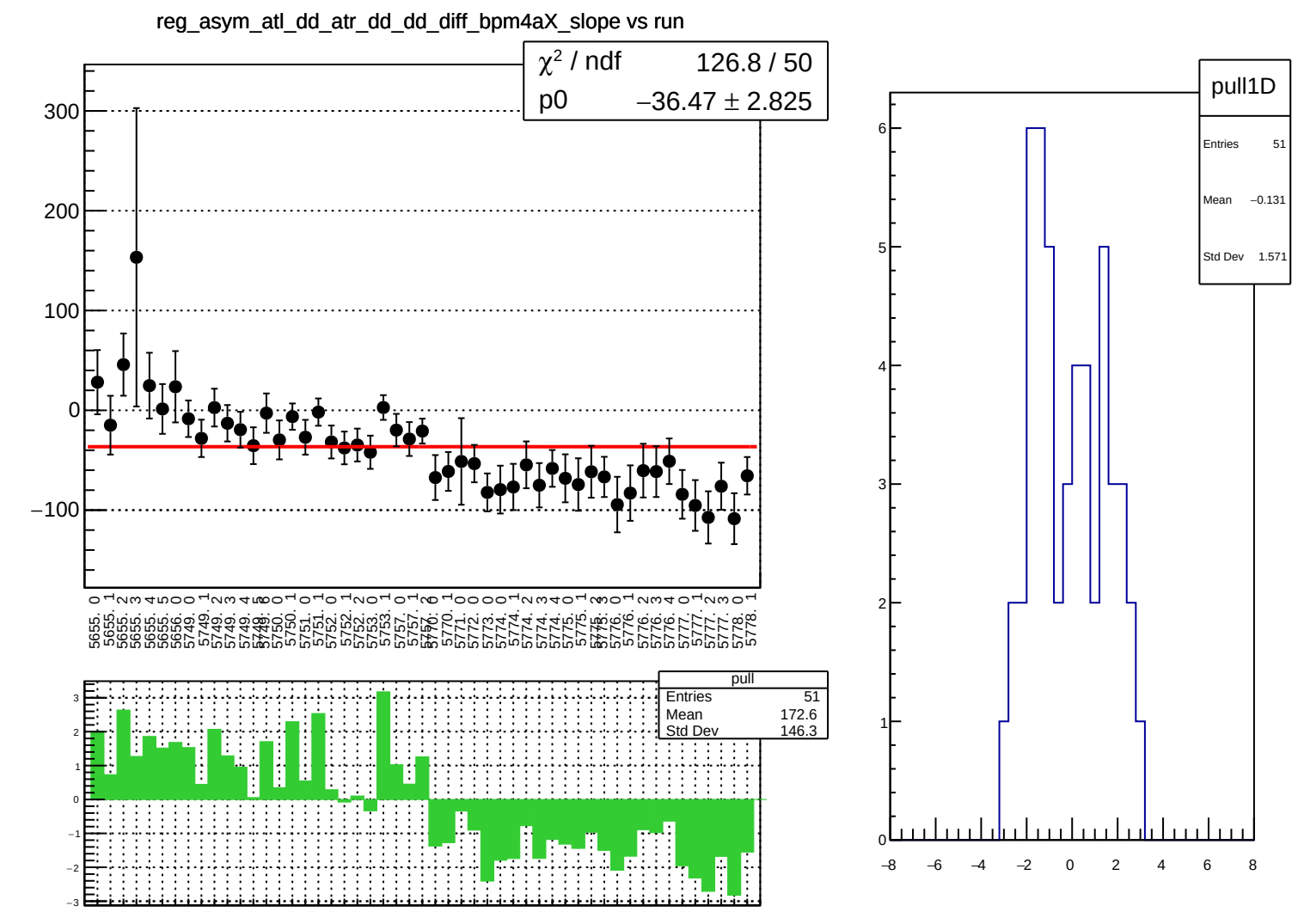

pull1D
Entries 51
Mean −0.02762
Std Dev 0.8557

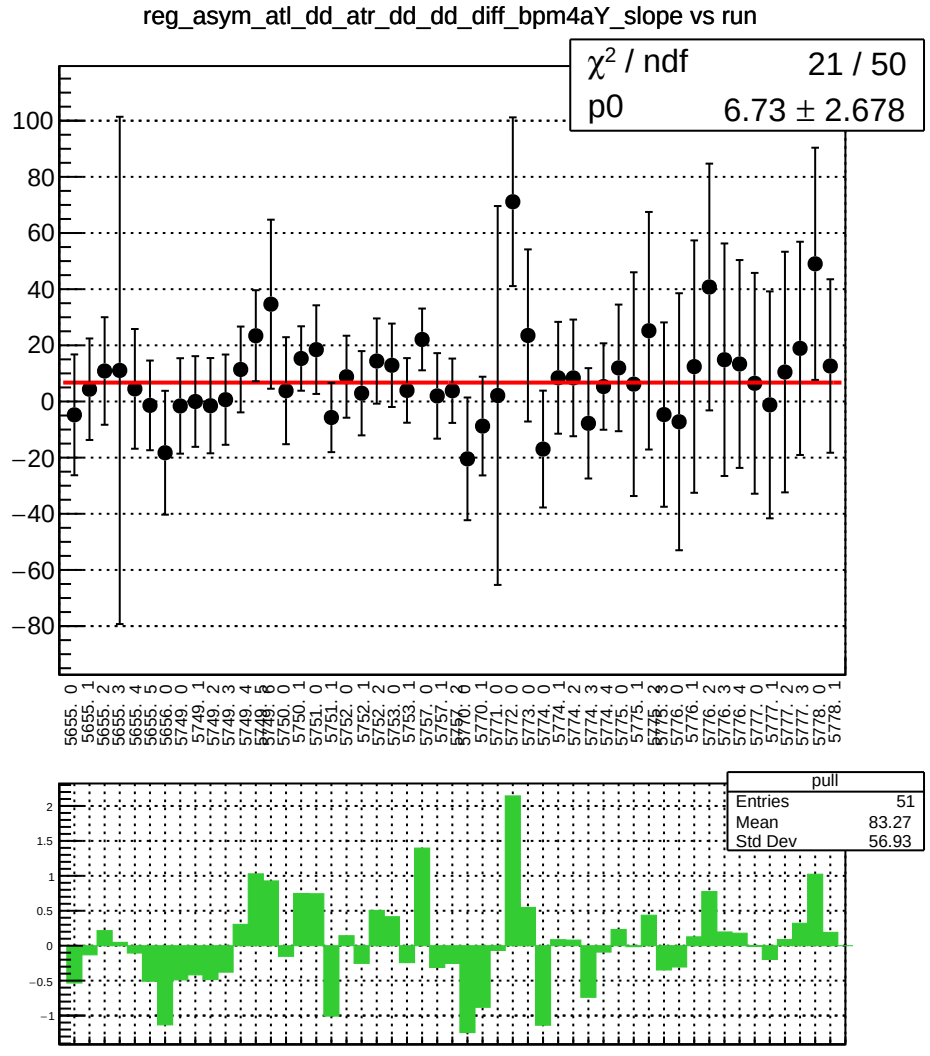

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.35 / 50
p0 4.813 ± 5.22
pull
Entries 51
Mean 45.75
Std Dev 17.64
pull1D
Entries 51
Mean −0.1143
Std Dev 0.652

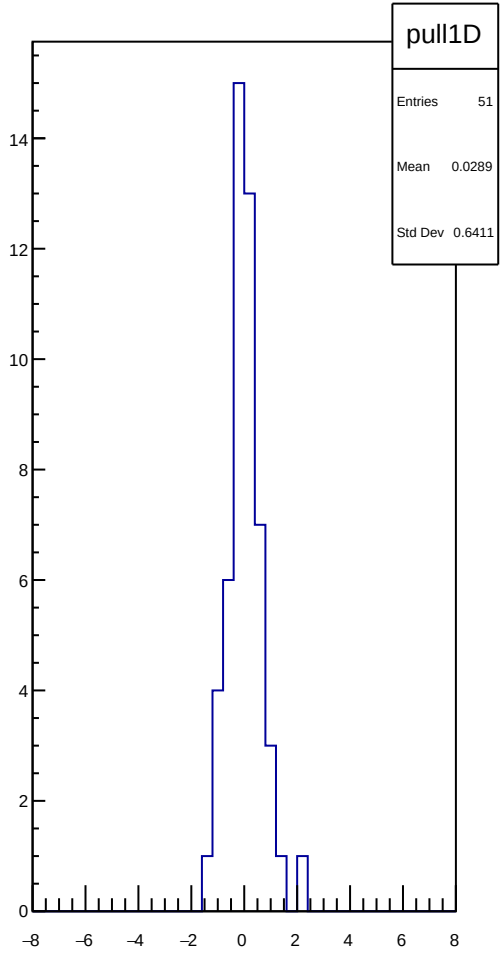

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 69 / 50
p0 −301.2 ± 6.85
pull
Entries 51
Mean −403.8
Std Dev 427.4
pull1D
Entries 51
Mean 0.03055
Std Dev 1.163

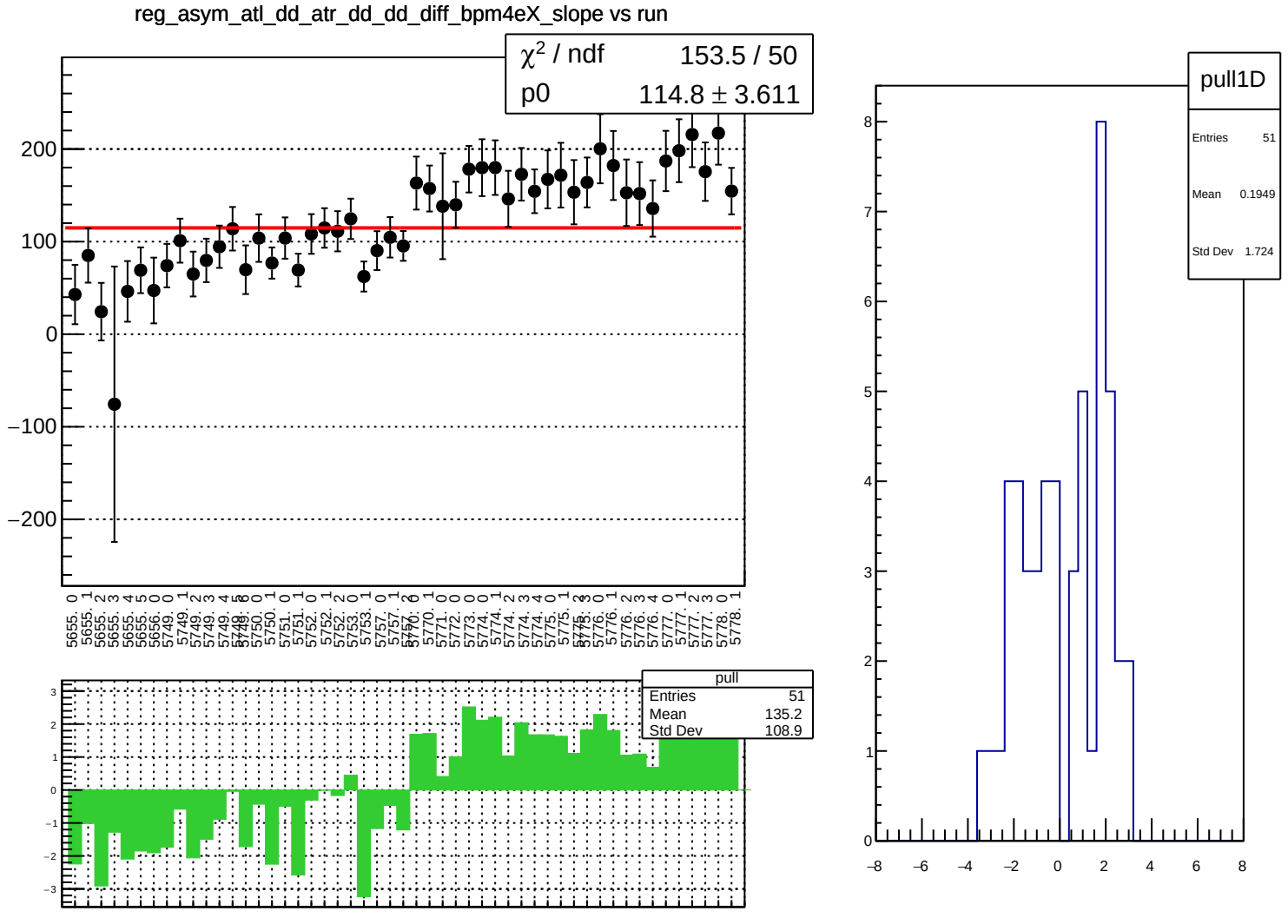

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.03 / 50
p0 −65.18 ± 5.608
pull
Entries 51
Mean 35.33
Std Dev 28.98
pull1D
Entries 51
Mean 0.07283
Std Dev 0.6224

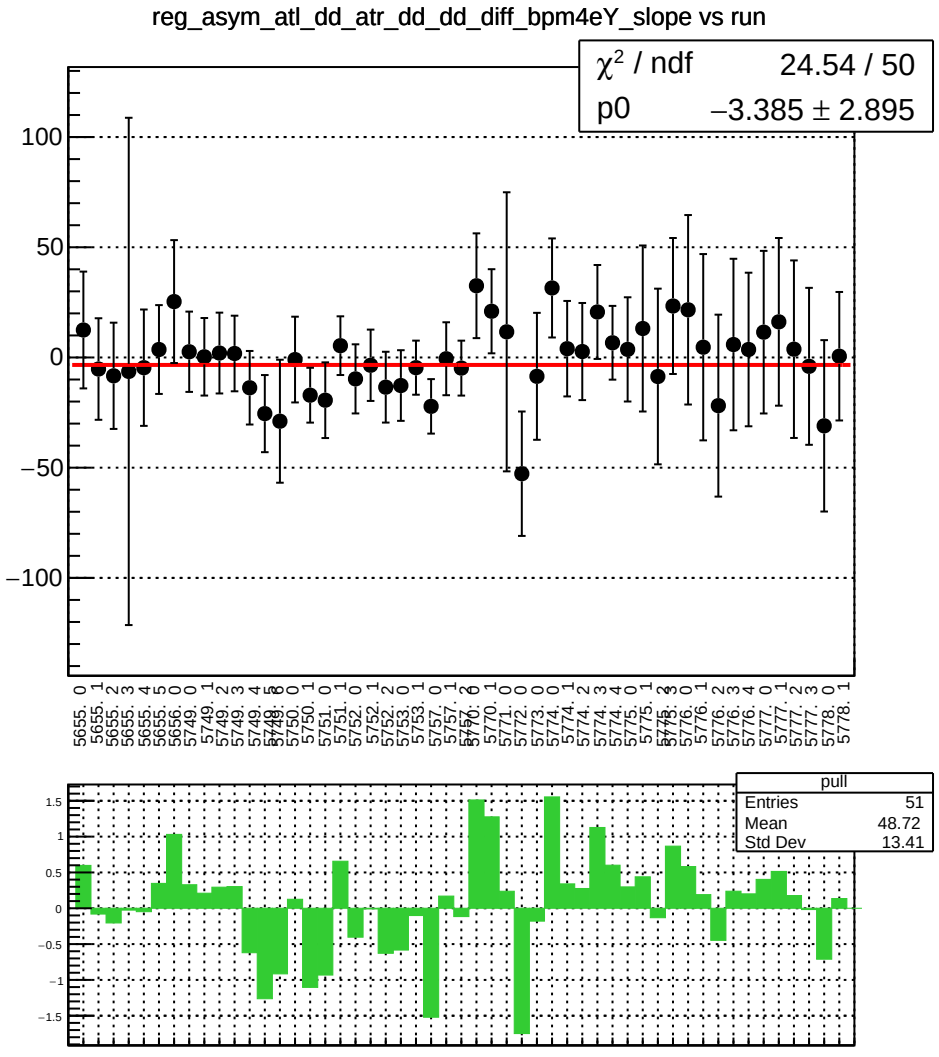

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1473 / 50
p0 91.04 ± 0.2914
pull
Entries 51
Mean 85.9
Std Dev 57.91
pull1D
Entries 51
Mean 0.9307
Std Dev 5.22

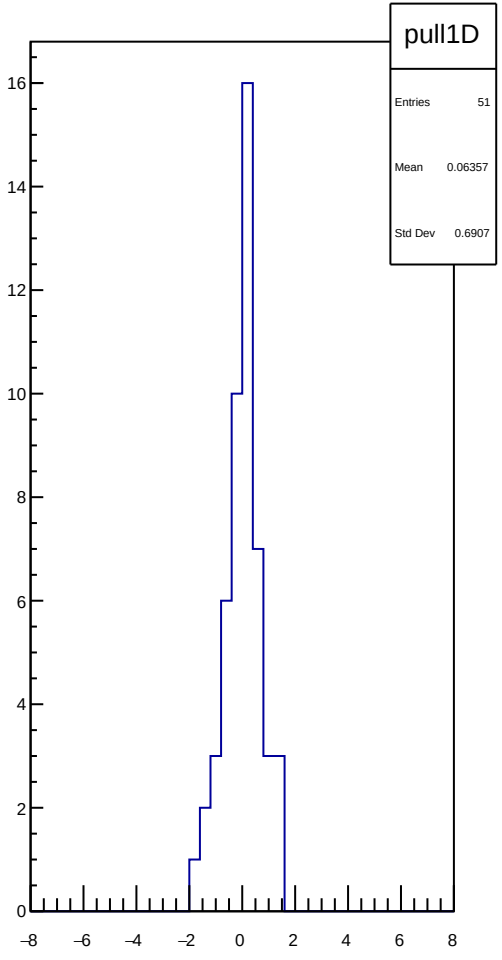

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 126.8 / 50
p0 −36.47 ± 2.825
300
200
100
0
−100
pull
Entries 51
Mean 172.6
Std Dev 146.3
pull1D
Entries 51
Mean −0.131
Std Dev 1.571

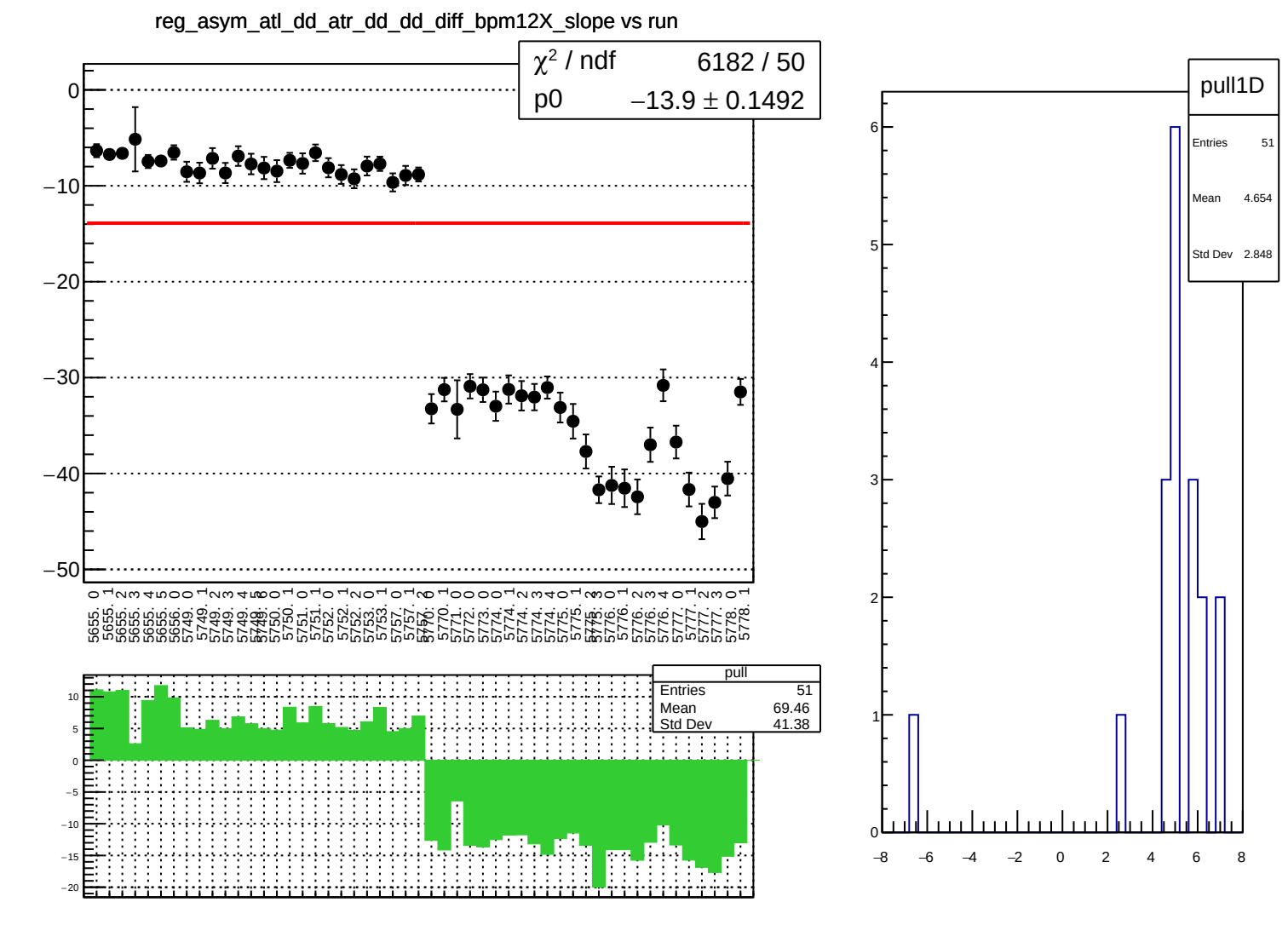

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 21 / 50
p0 6.73 ± 2.678
pull
Entries 51
Mean 83.27
Std Dev 56.93

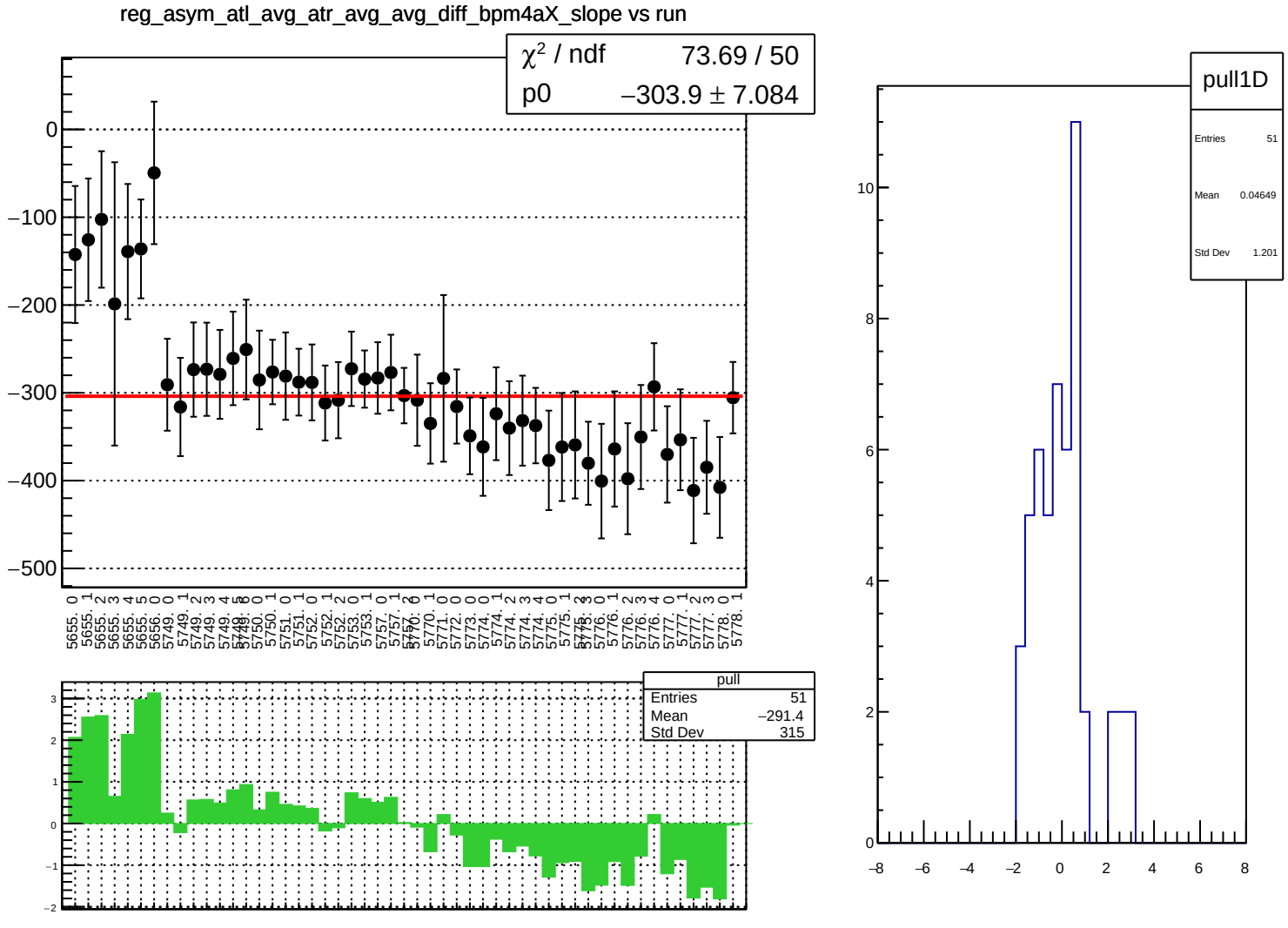

pull1D
Entries 51
Mean 0.0289
Std Dev 0.6411

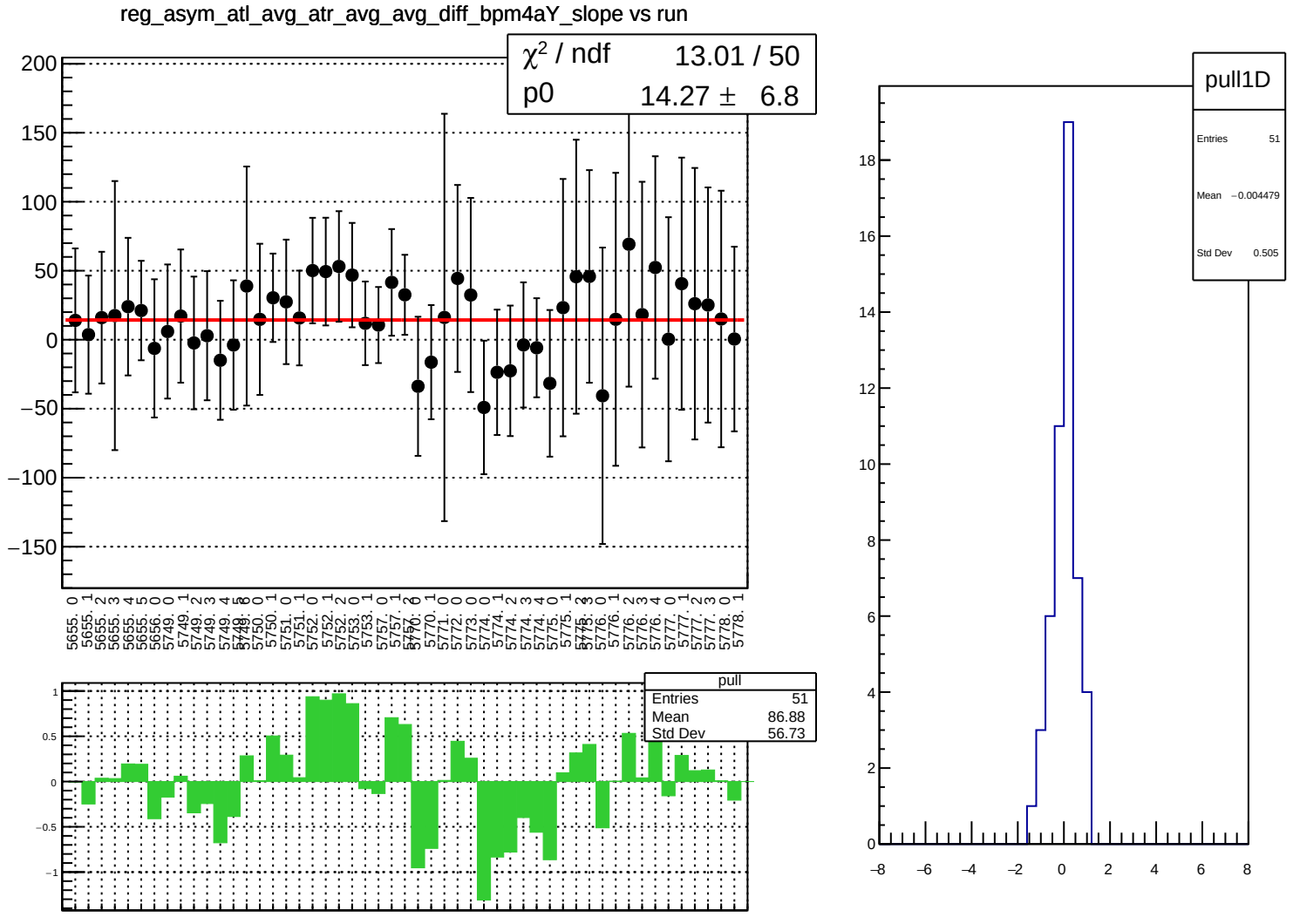

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.5 / 50
p0 114.8 ± 3.611
pull
Entries 51
Mean 135.2
Std Dev 108.9
pull1D
Entries 51
Mean 0.1949
Std Dev 1.724

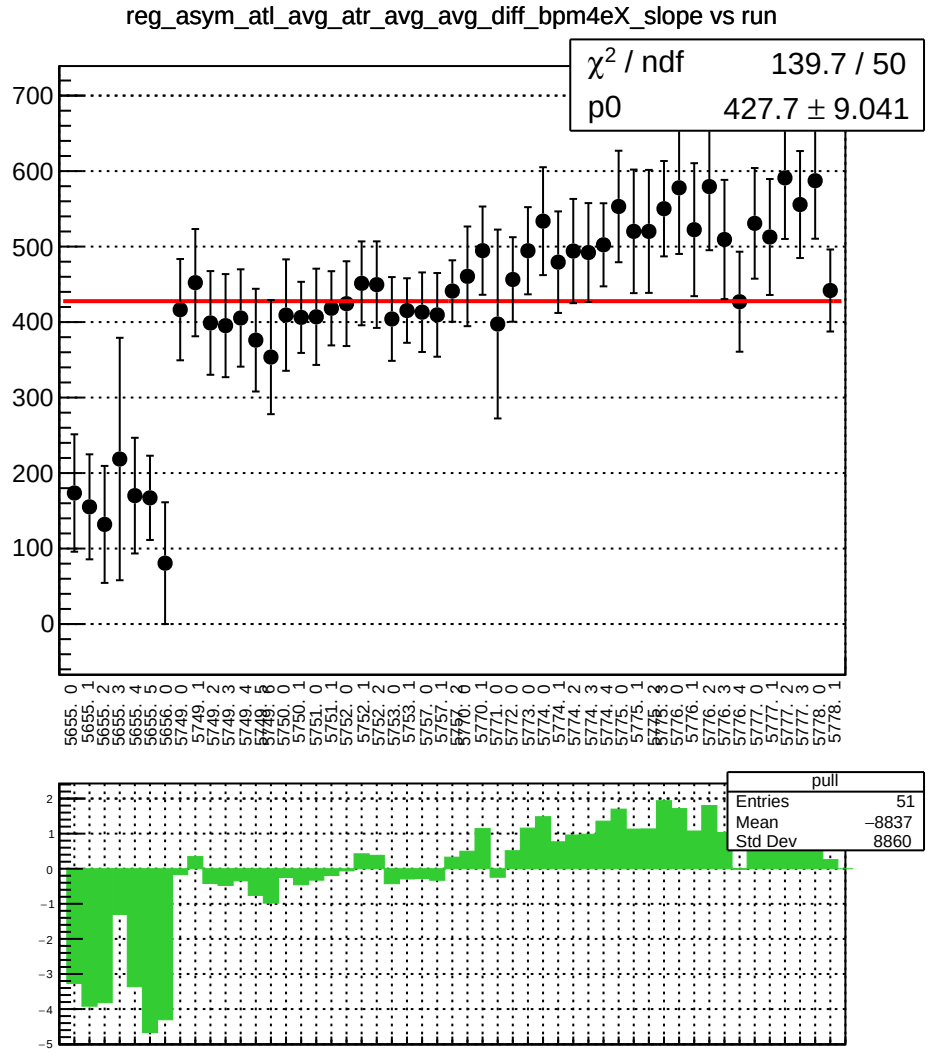

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.54 / 50
p0 −3.385 ± 2.895
pull
Entries 51
Mean 48.72
Std Dev 13.41

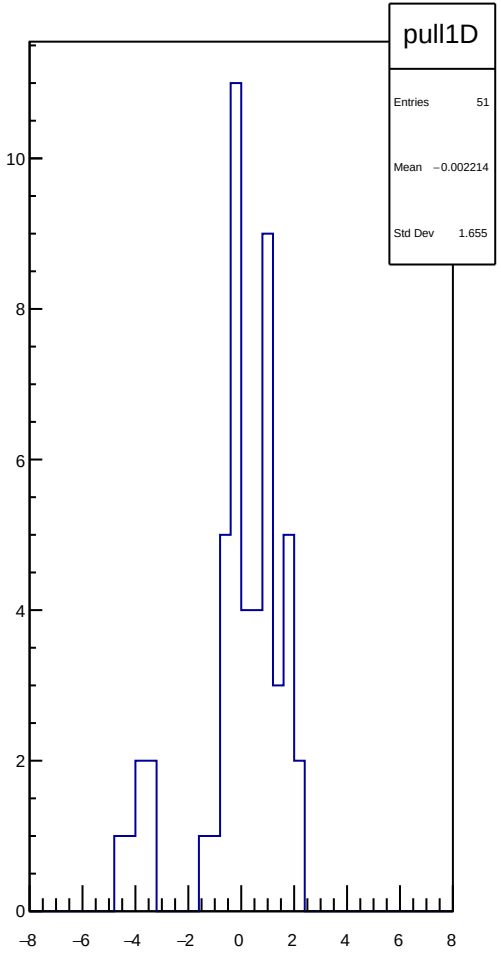

pull1D
Entries 51
Mean 0.06357
Std Dev 0.6907

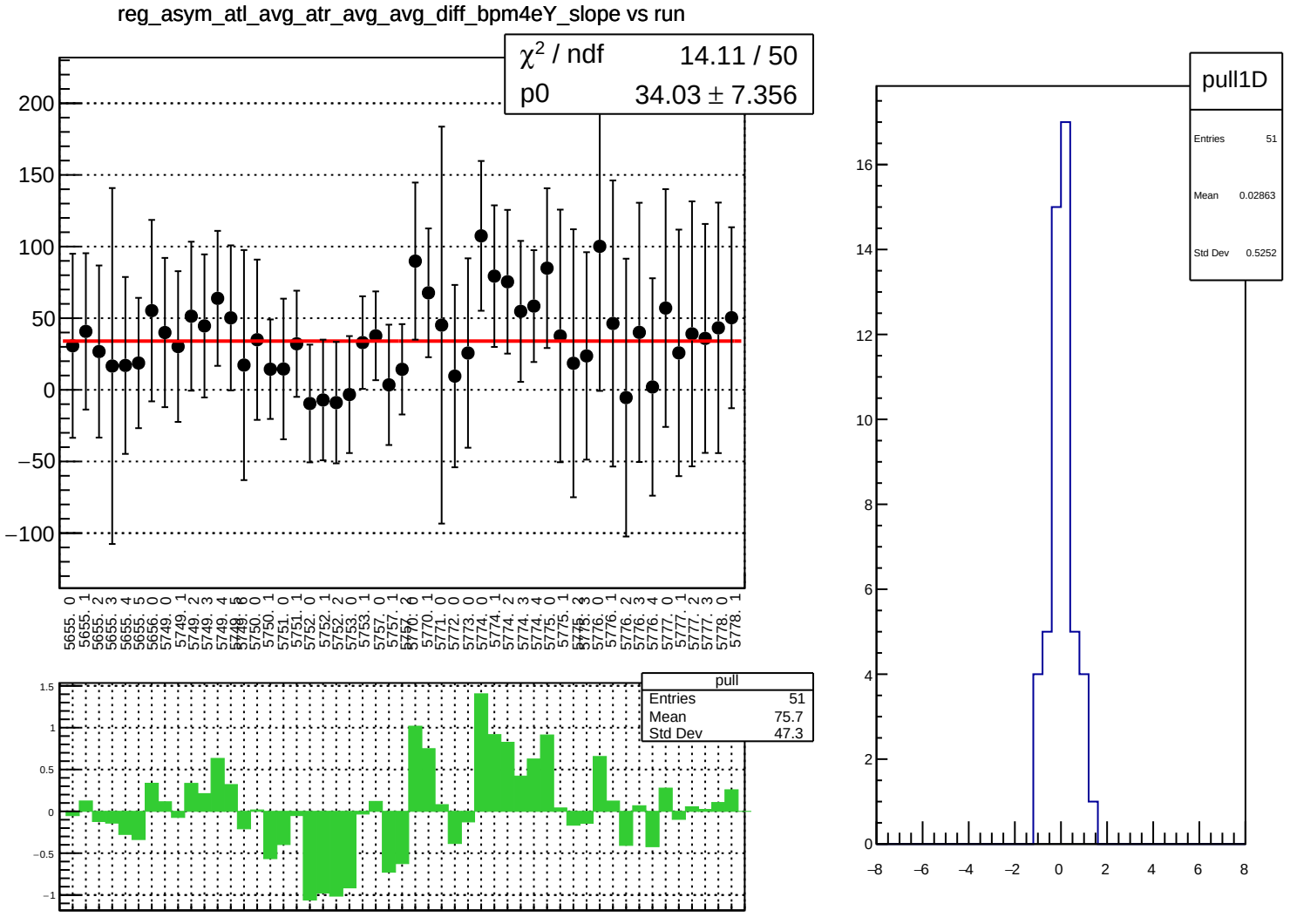

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6182 / 50
p0 −13.9 ± 0.1492
pull
Entries 51
Mean 69.46
Std Dev 41.38
pull1D
Entries 51
Mean 4.654
Std Dev 2.848

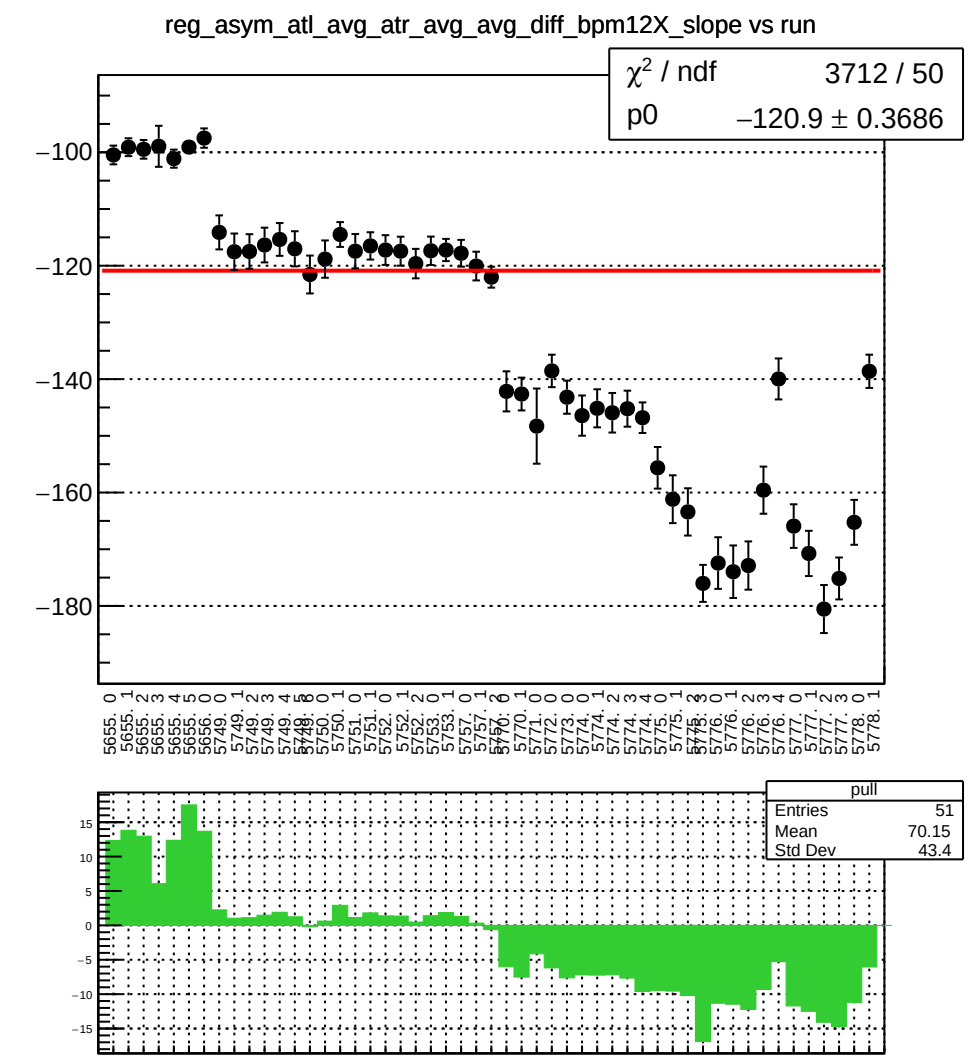

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 73.69 / 50
p0 −303.9 ± 7.084
pull
Entries 51
Mean −291.4
Std Dev 315
pull1D
Entries 51
Mean 0.04649
Std Dev 1.201

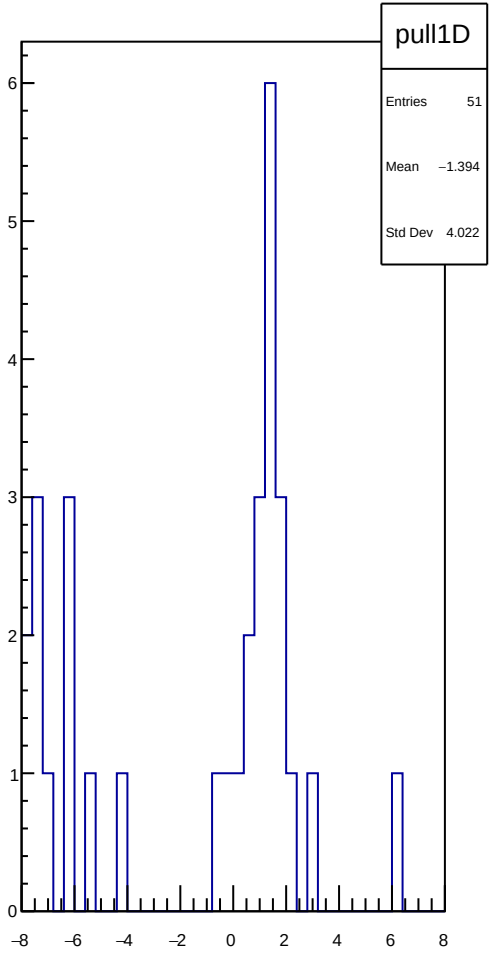

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.01 / 50
p0 14.27 ± 6.8
pull
Entries 51
Mean 86.88
Std Dev 56.73
pull1D
Entries 51
Mean −0.004479
Std Dev 0.505

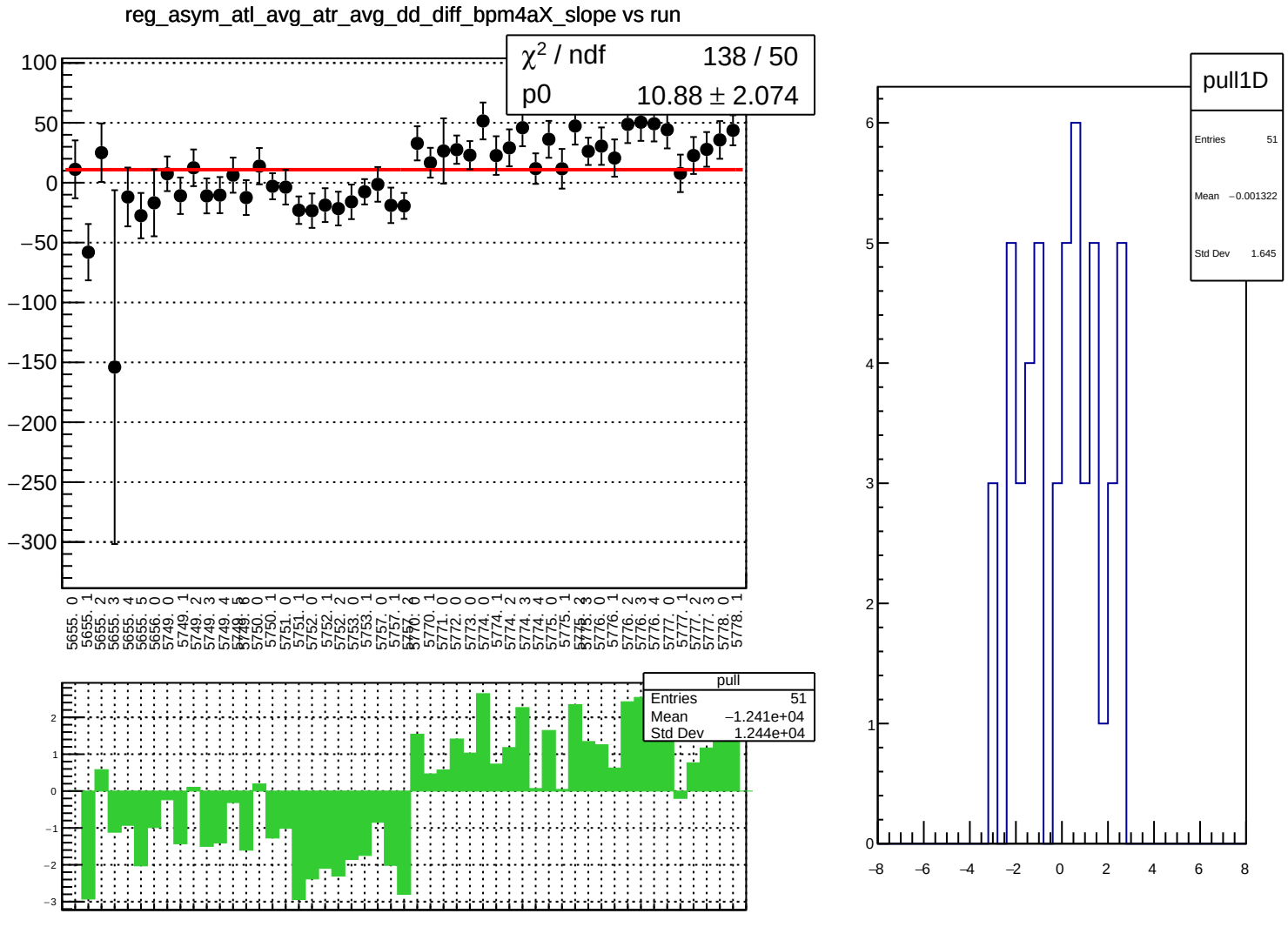

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 139.7 / 50
p0 427.7 ± 9.041
pull
Entries 51
Mean −8837
Std Dev 8860

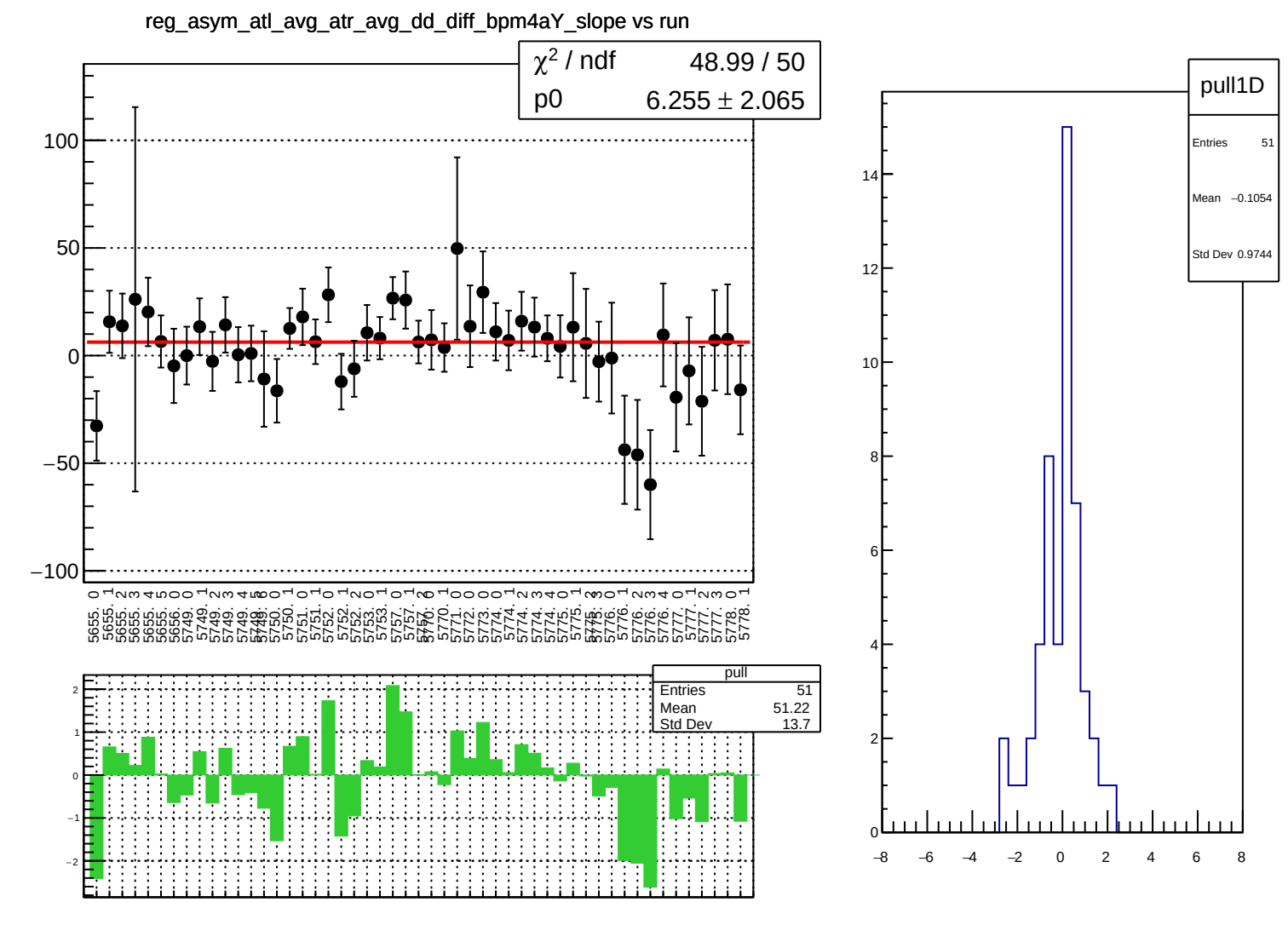

pull1D
Entries 51
Mean −0.002214
Std Dev 1.655

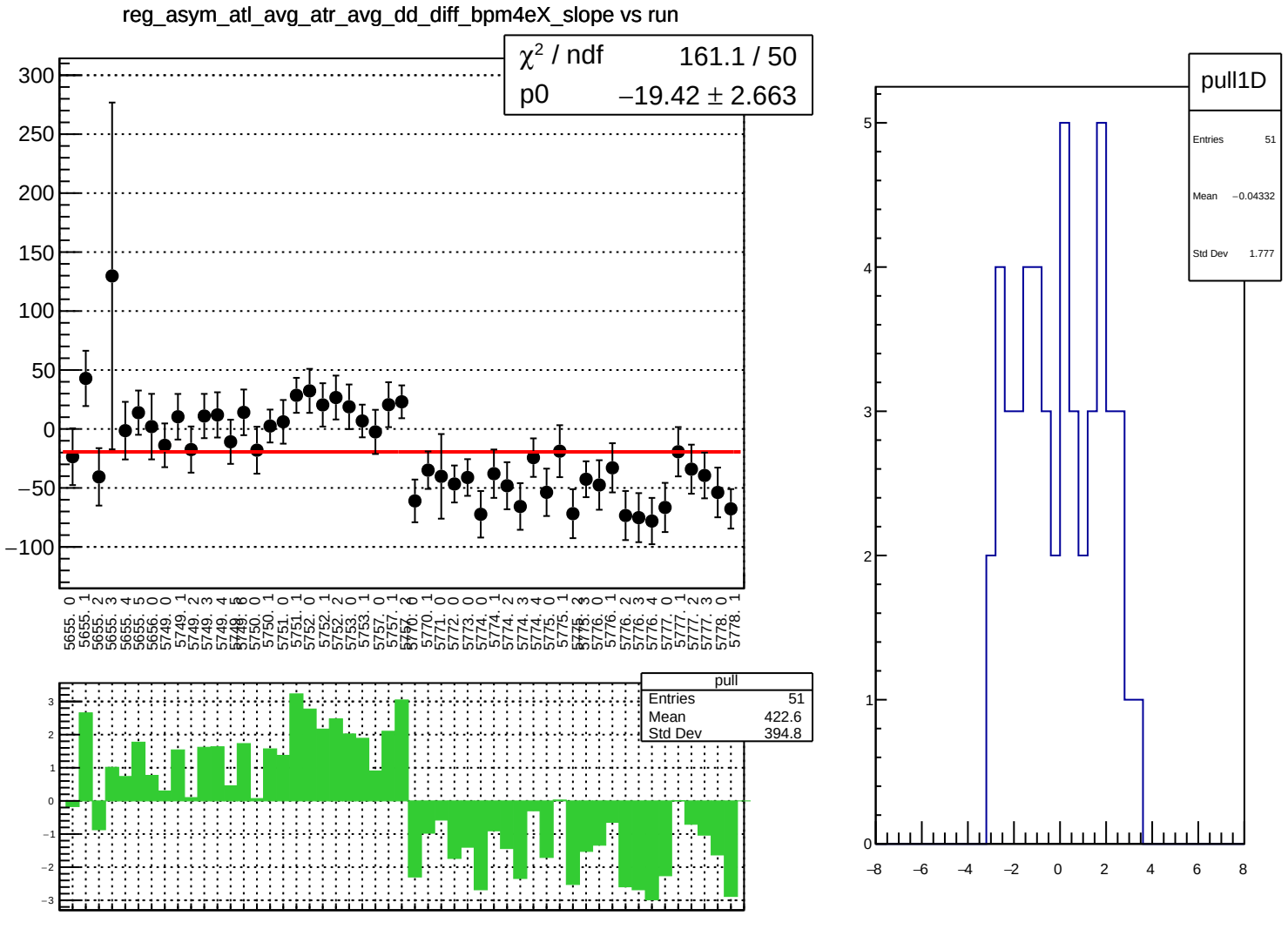

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.11 / 50
p0 34.03 ± 7.356
pull
Entries 51
Mean 75.7
Std Dev 47.3
pull1D
Entries 51
Mean 0.02863
Std Dev 0.5252

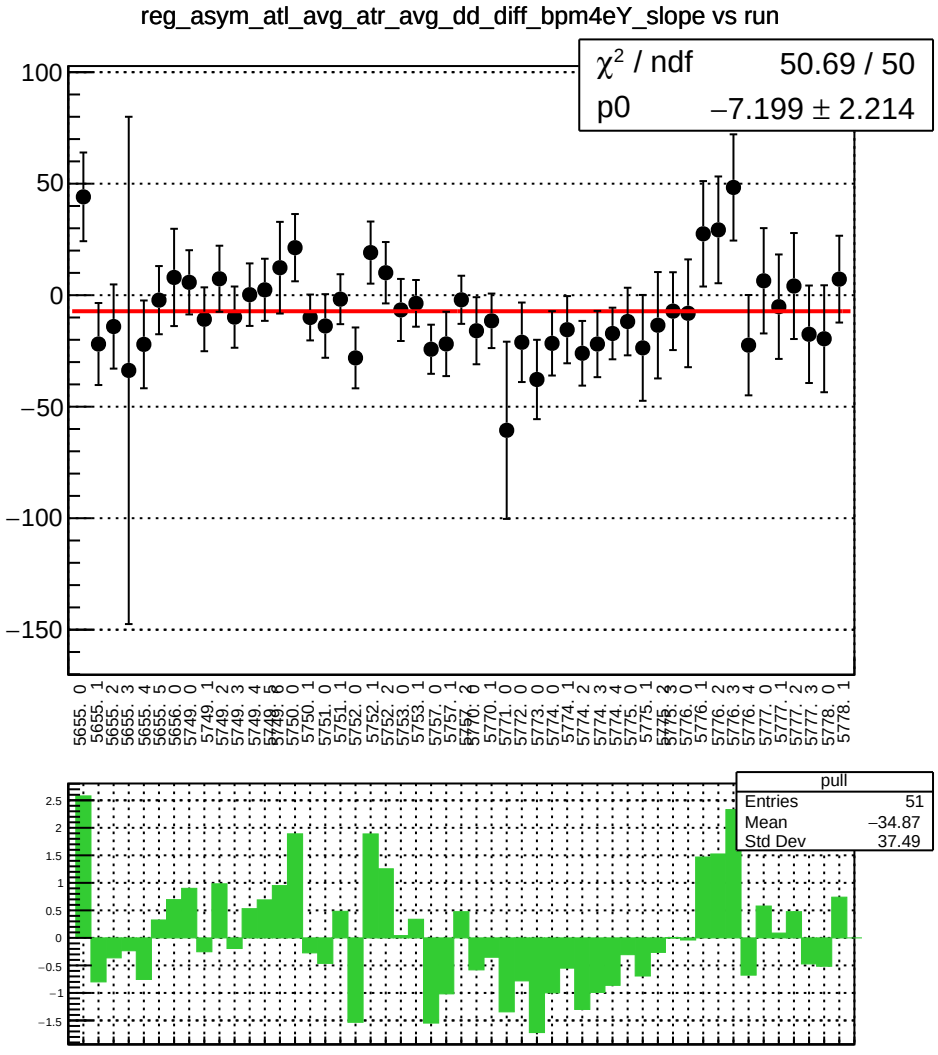

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 3712 / 50
p0 −120.9 ± 0.3686
−100
−120
−140
−160
−180
pull
Entries 51
Mean 70.15
Std Dev 43.4
15
10
5
0
−5
−10
−15

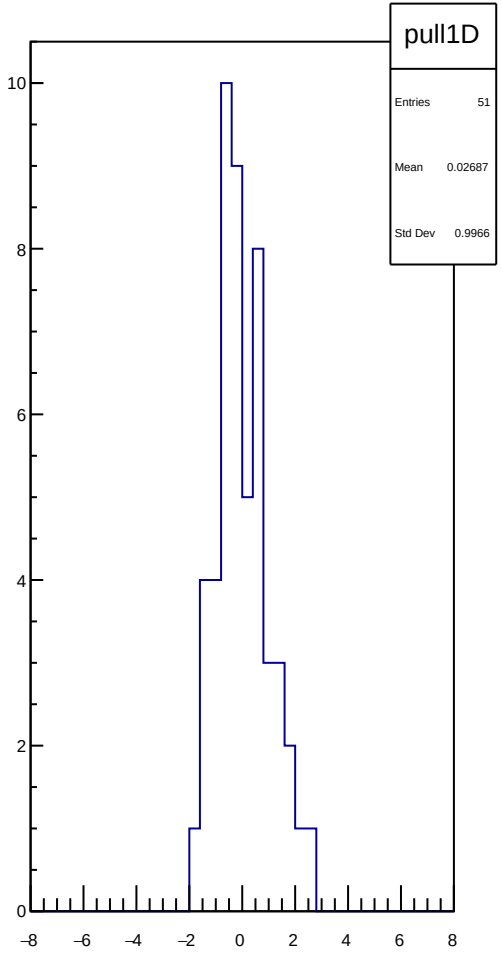

pull1D
Entries 51
Mean −1.394
Std Dev 4.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

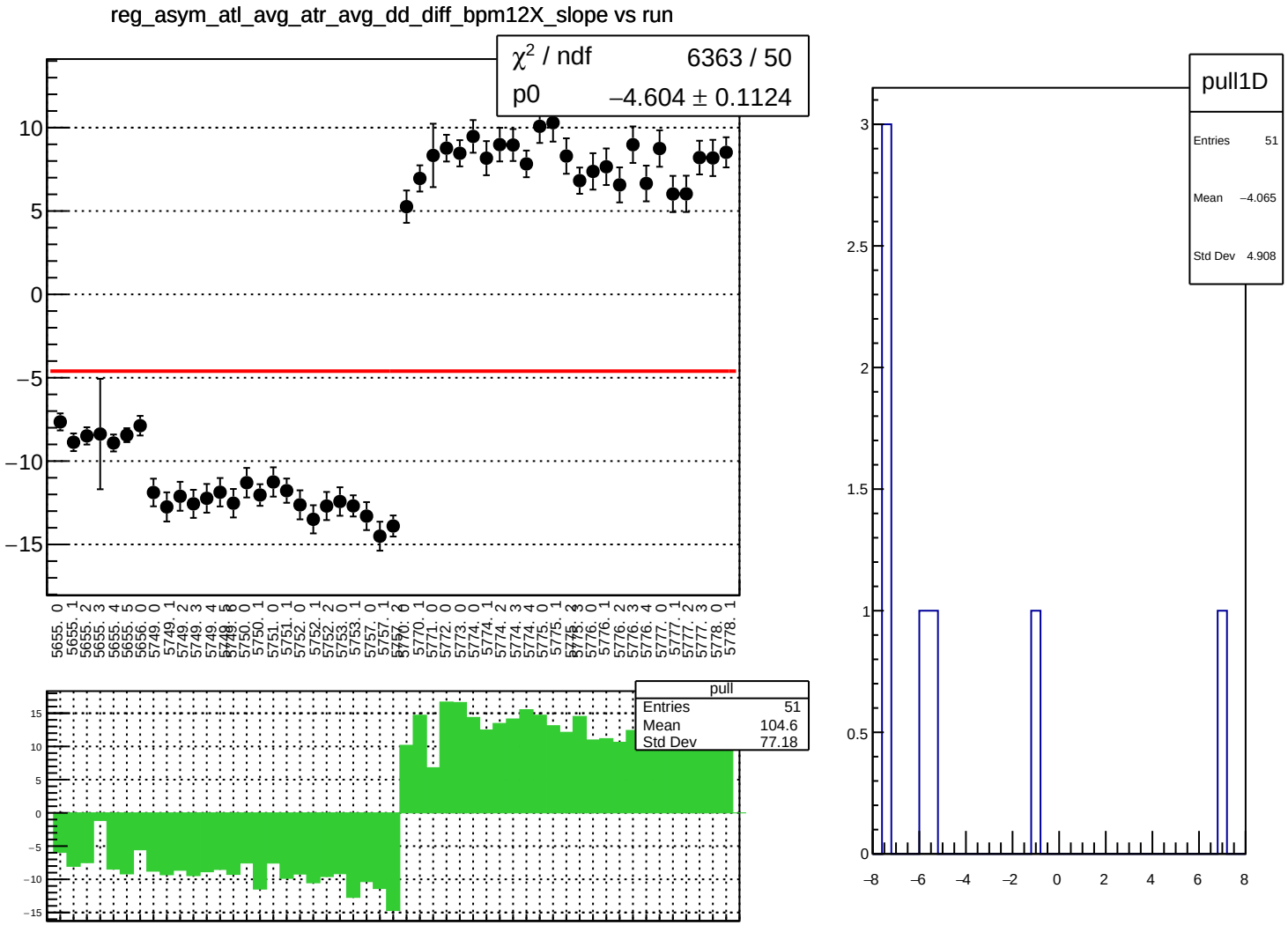

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 138 / 50
p0 10.88 ± 2.074
pull
Entries 51
Mean −1.241e+04
Std Dev 1.244e+04
pull1D
Entries 51
Mean −0.001322
Std Dev 1.645

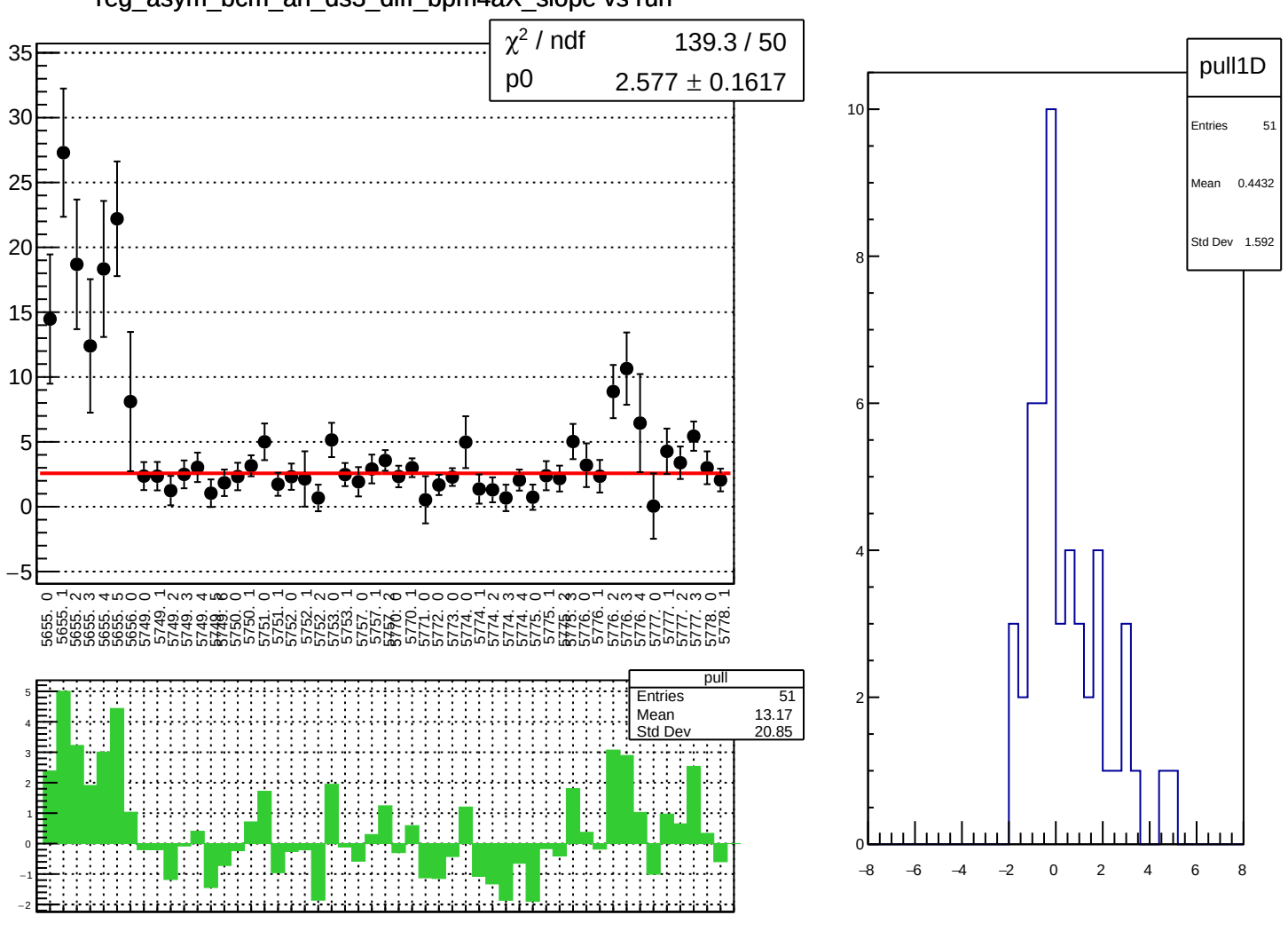

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.99 / 50
p0 6.255 ± 2.065
pull
Entries 51
Mean 51.22
Std Dev 13.7
pull1D
Entries 51
Mean −0.1054
Std Dev 0.9744

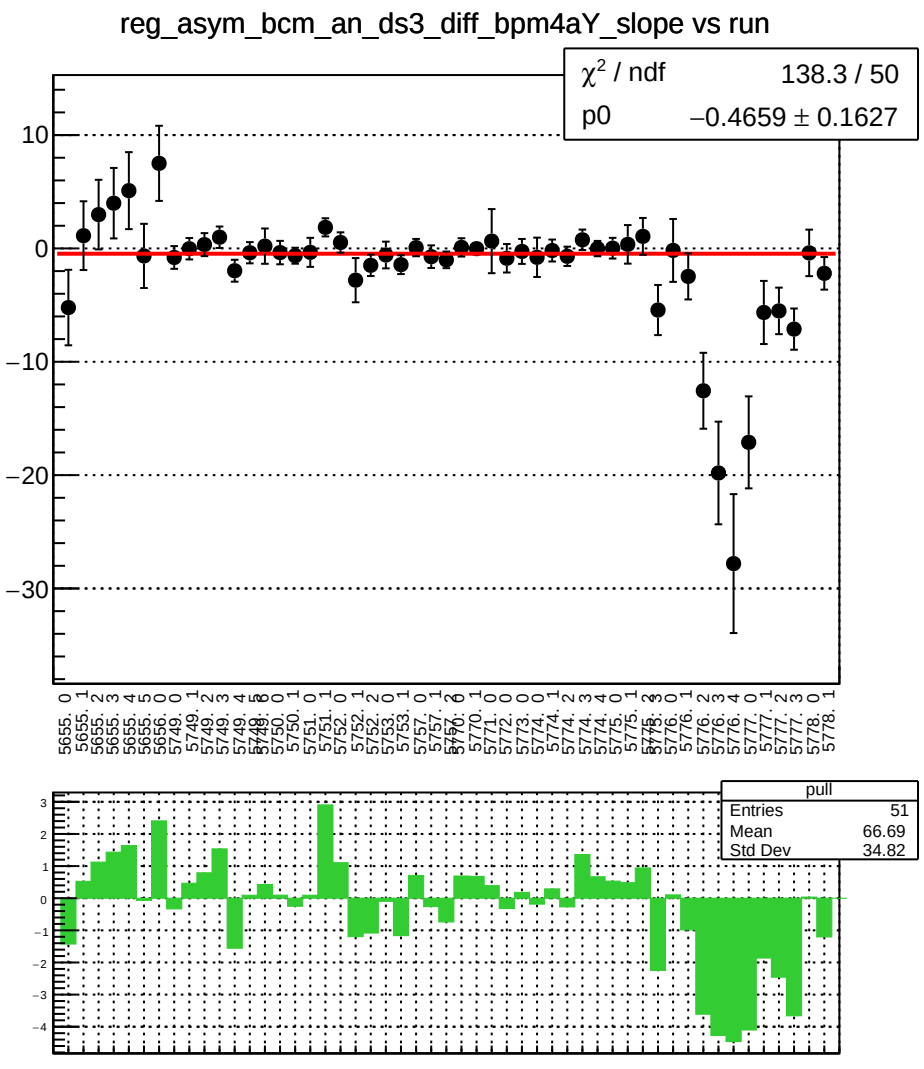

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 161.1 / 50
p0 −19.42 ± 2.663
pull
Entries 51
Mean 422.6
Std Dev 394.8
pull1D
Entries 51
Mean −0.04332
Std Dev 1.777

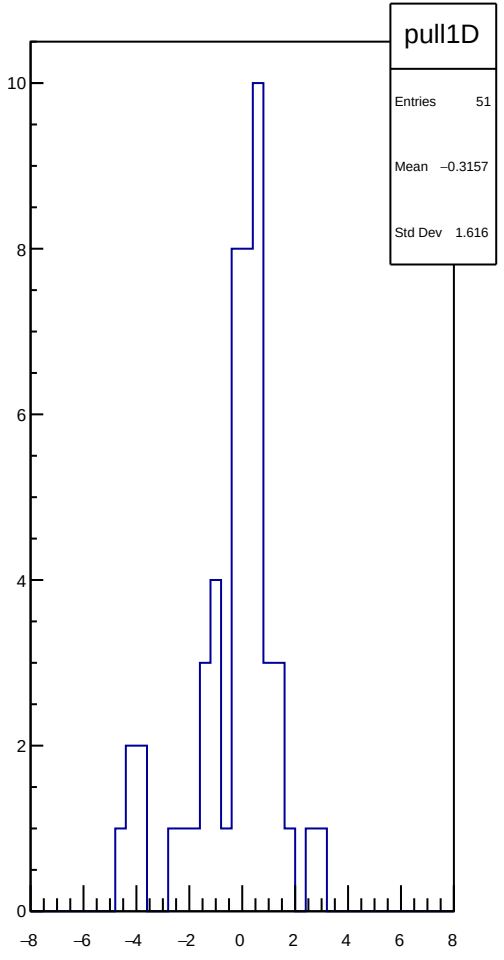

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.69 / 50
p0 −7.199 ± 2.214
pull
Entries 51
Mean −34.87
Std Dev 37.49

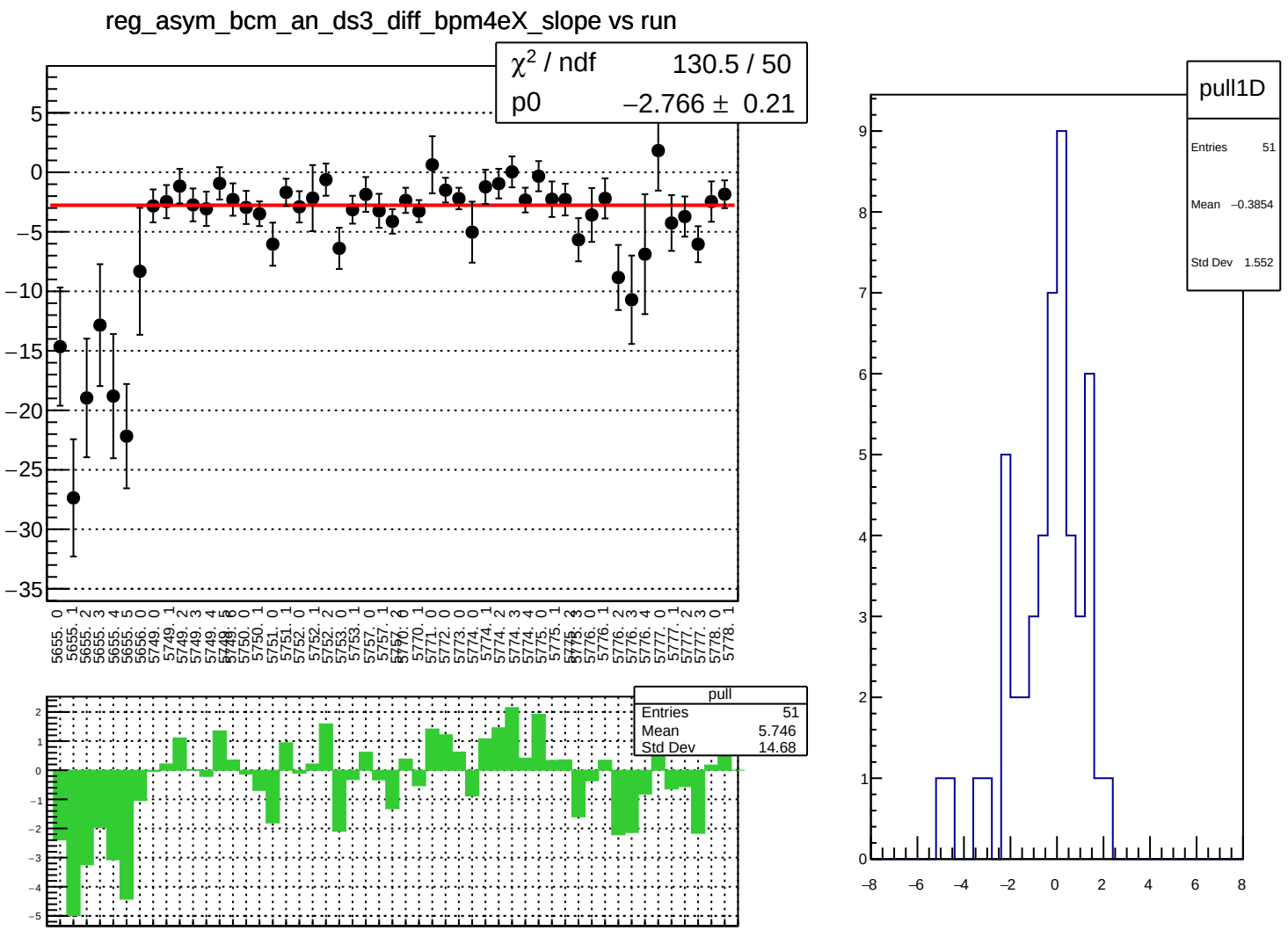

pull1D
Entries 51
Mean 0.02687
Std Dev 0.9966

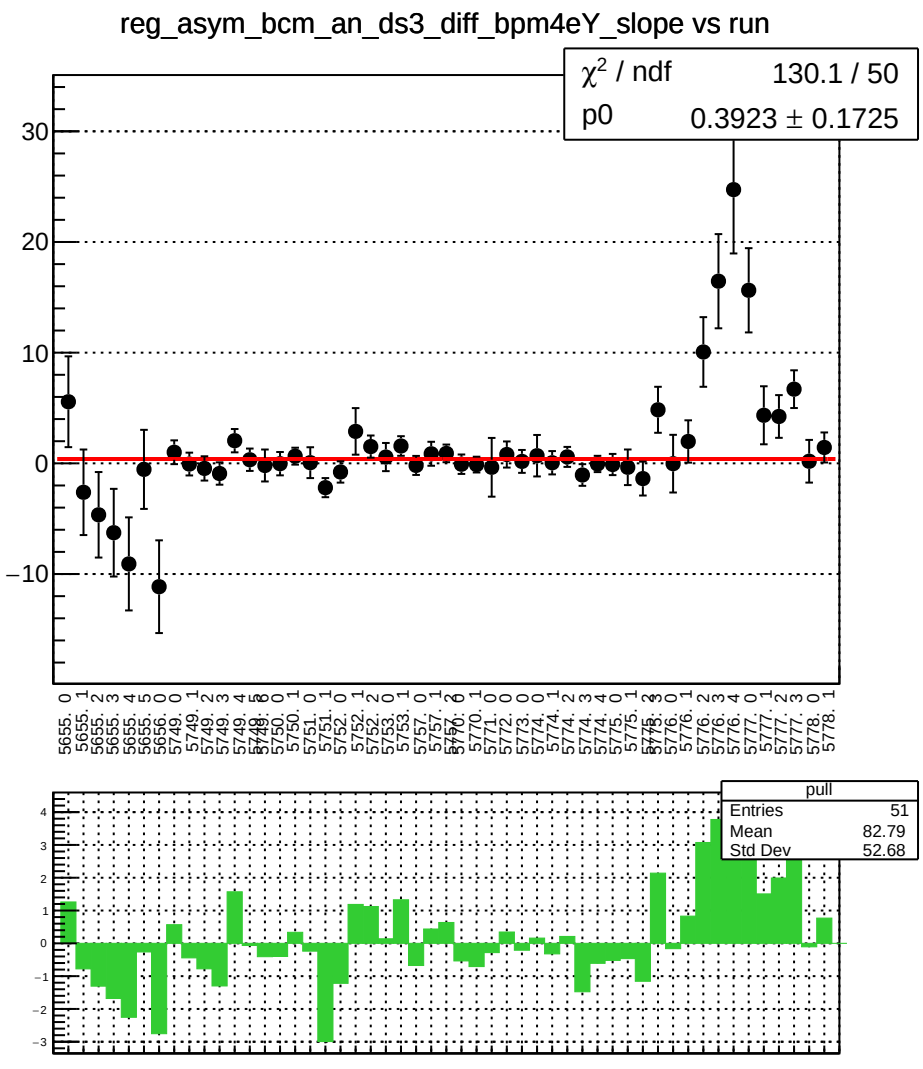

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6363 / 50
p0 −4.604 ± 0.1124
pull
Entries 51
Mean 104.6
Std Dev 77.18
pull1D
Entries 51
Mean −4.065
Std Dev 4.908

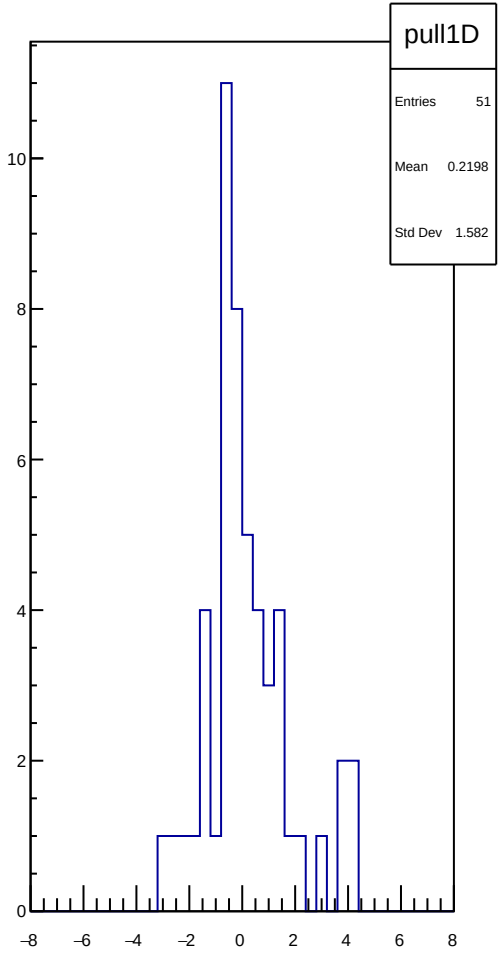

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 139.3 / 50
p0 2.577 ± 0.1617
pull
Entries 51
Mean 13.17
Std Dev 20.85
pull1D
Entries 51
Mean 0.4432
Std Dev 1.592

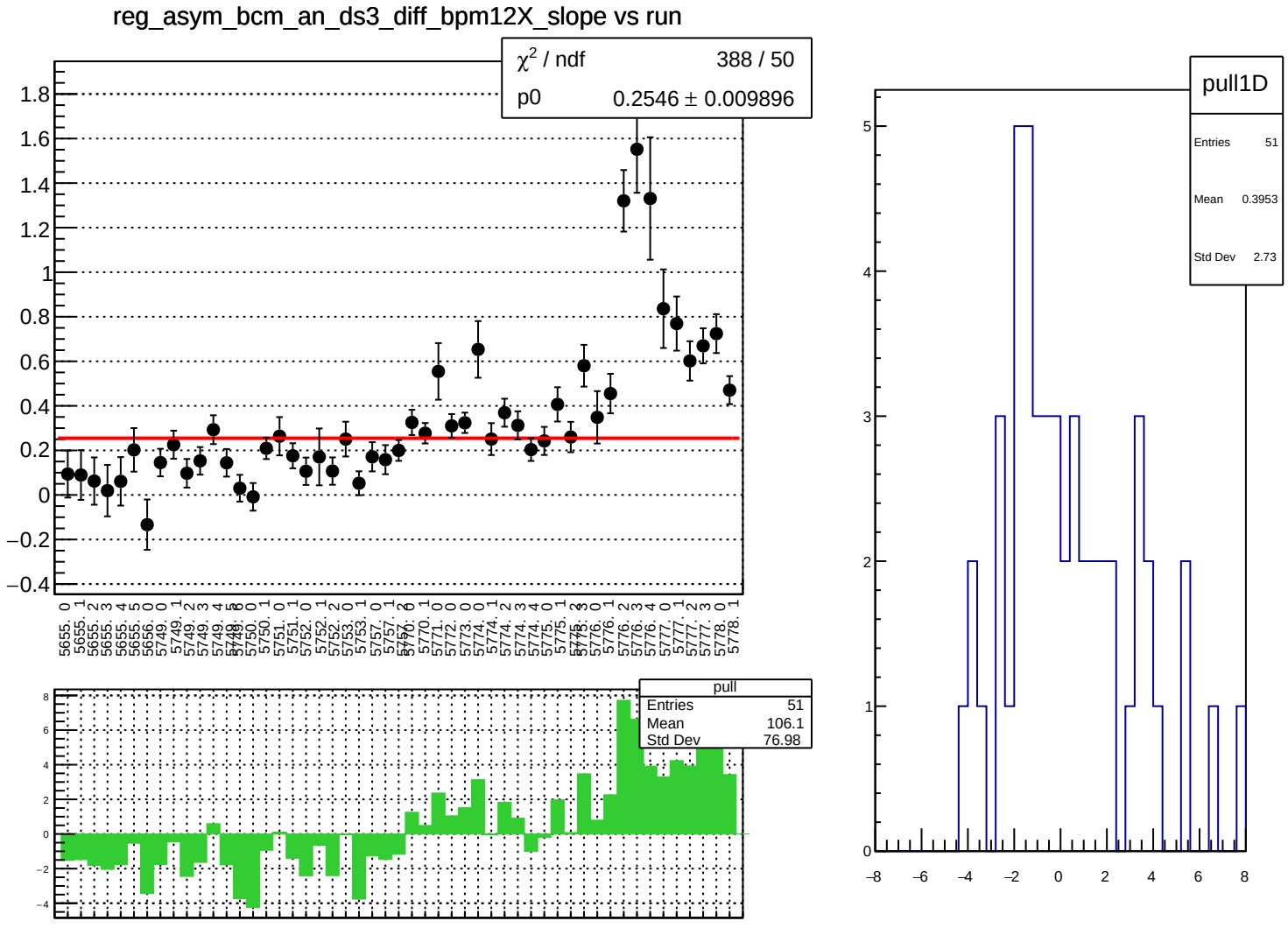

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 138.3 / 50
p0 −0.4659 ± 0.1627
pull
Entries 51
Mean 66.69
Std Dev 34.82

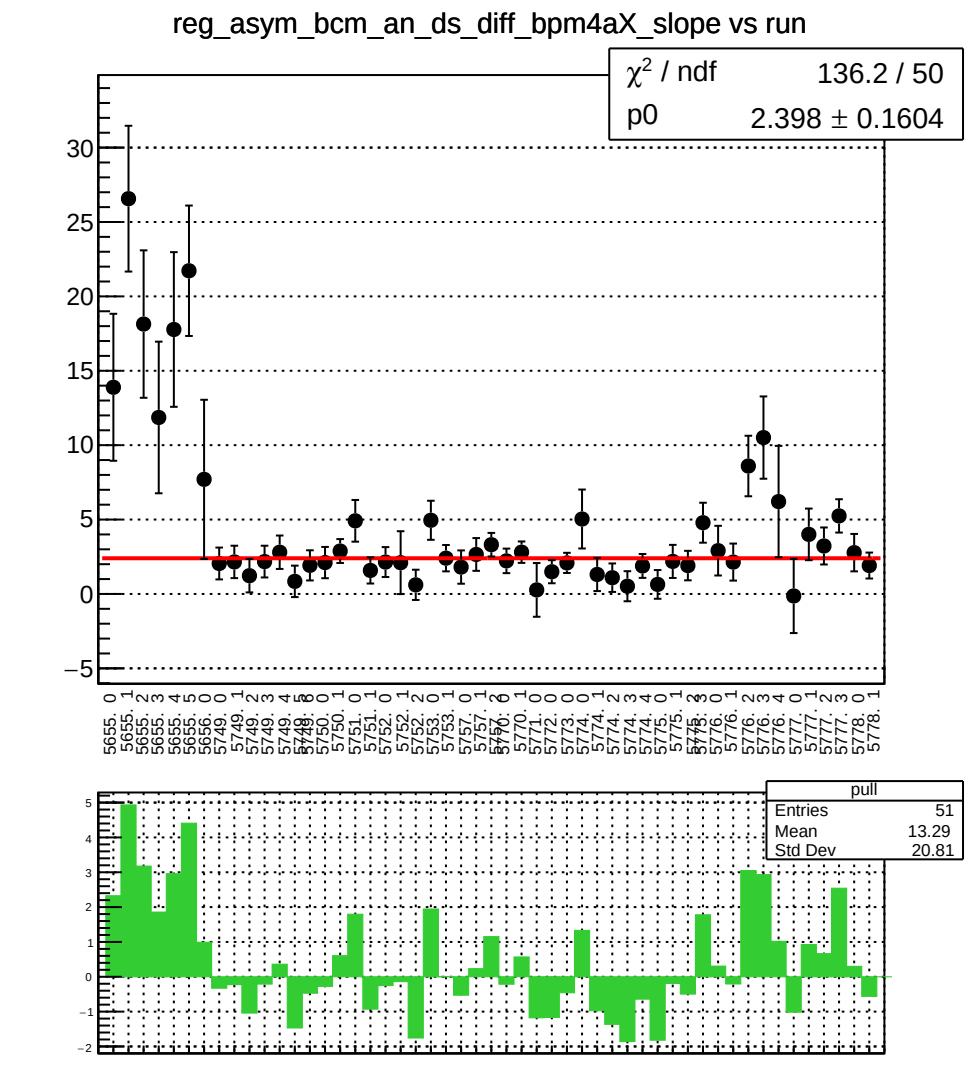

pull1D
Entries 51
Mean −0.3157
Std Dev 1.616

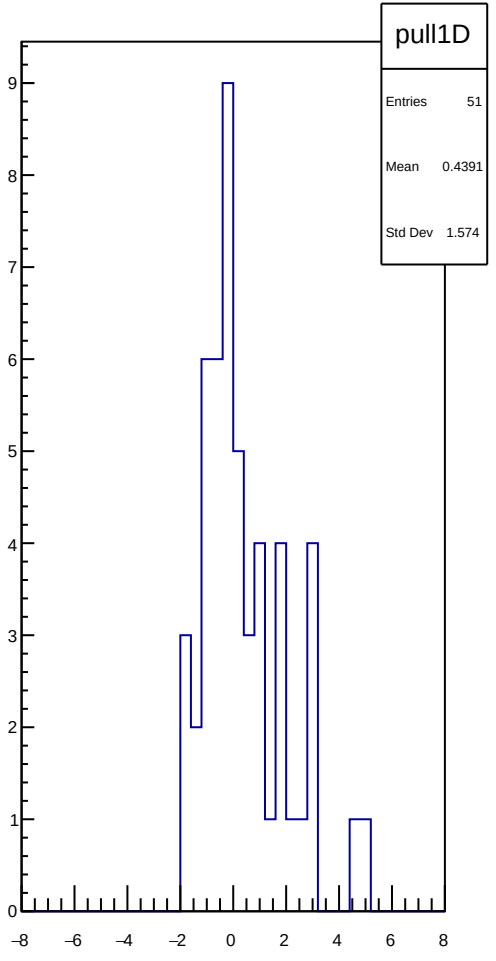

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 130.5 / 50
p0 −2.766 ± 0.21
pull
Entries 51
Mean 5.746
Std Dev 14.68
pull1D
Entries 51
Mean −0.3854
Std Dev 1.552

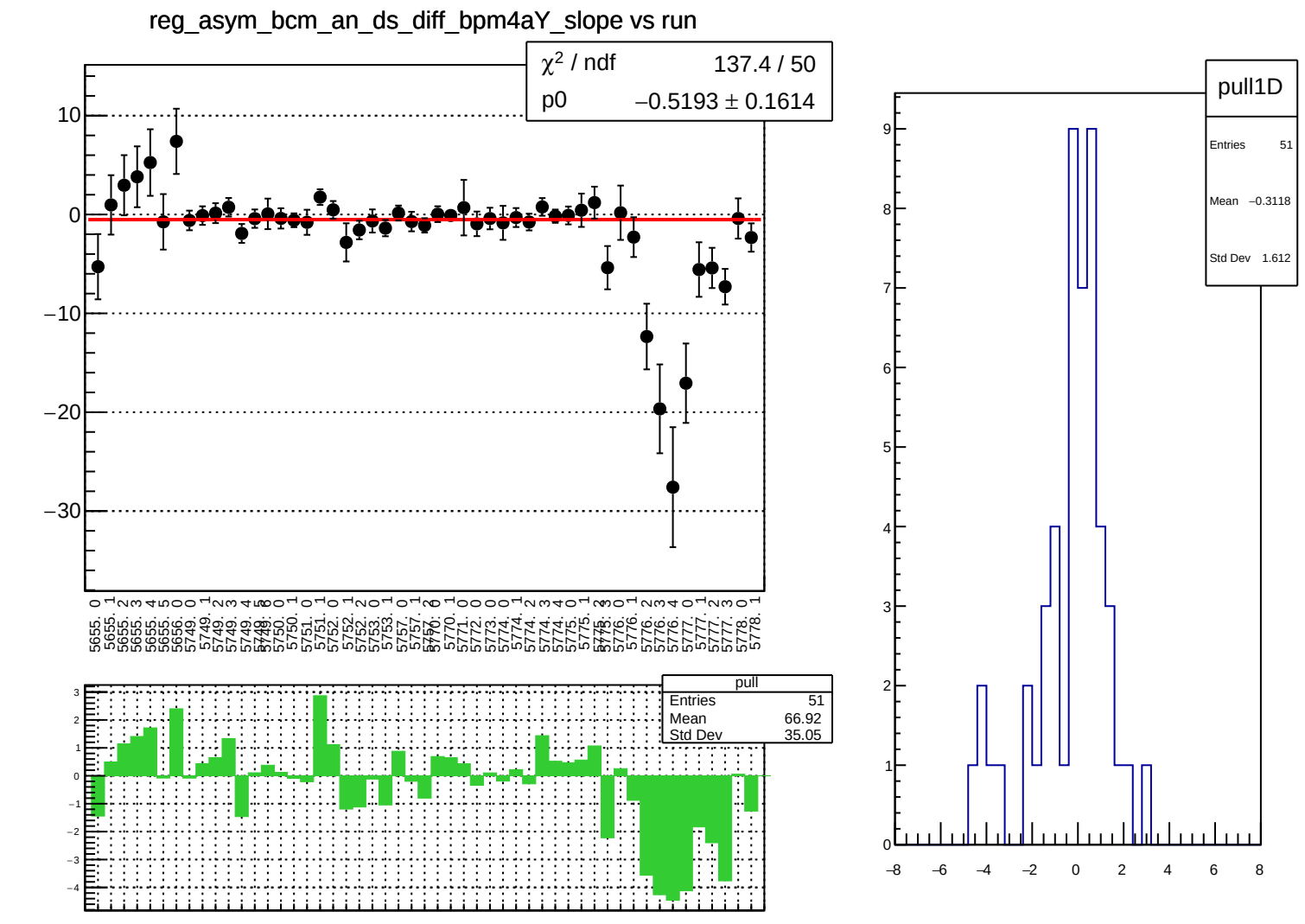

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 130.1 / 50
p0 0.3923 ± 0.1725
pull
Entries 51
Mean 82.79
Std Dev 52.68

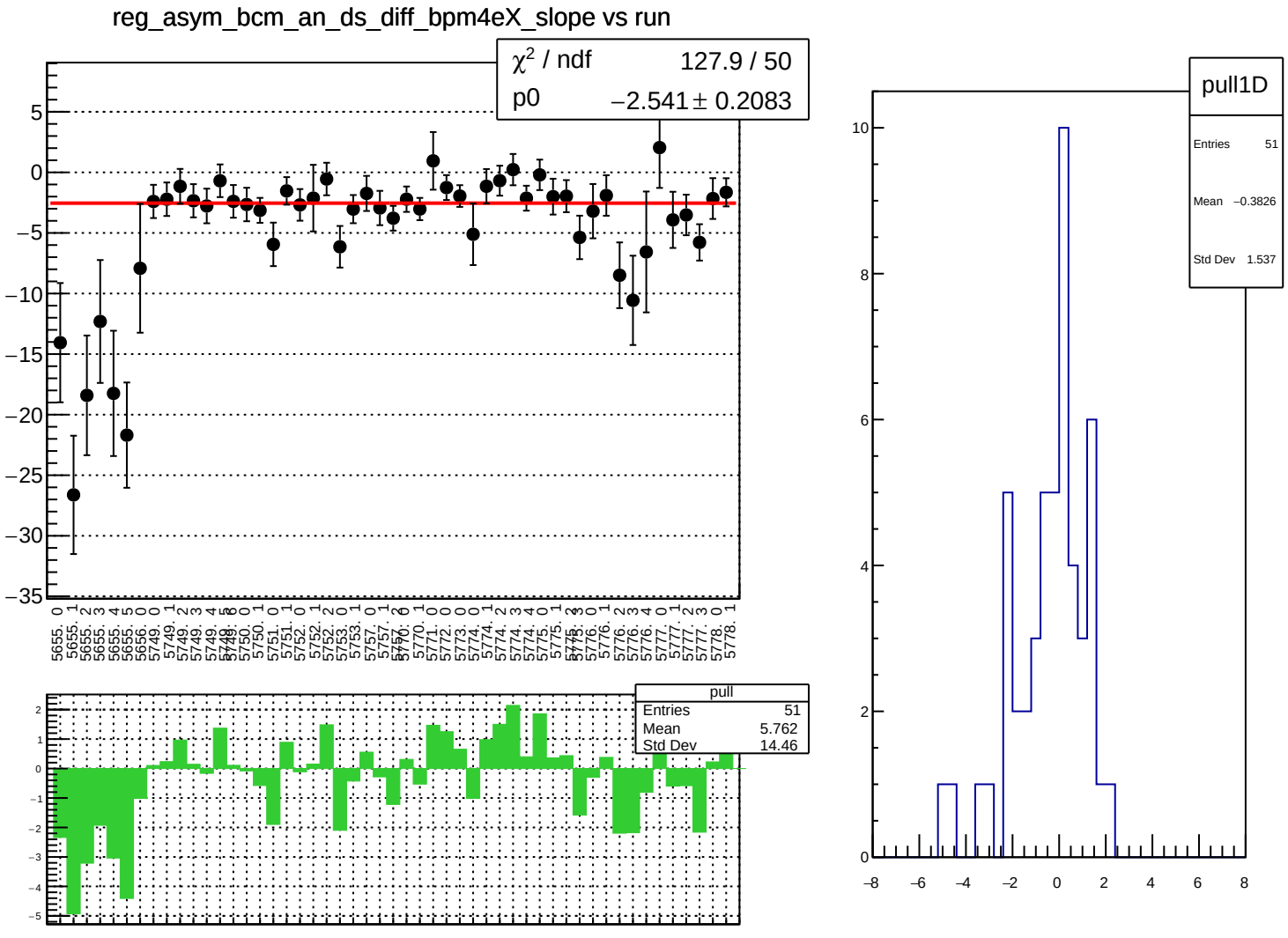

pull1D
Entries 51
Mean 0.2198
Std Dev 1.582

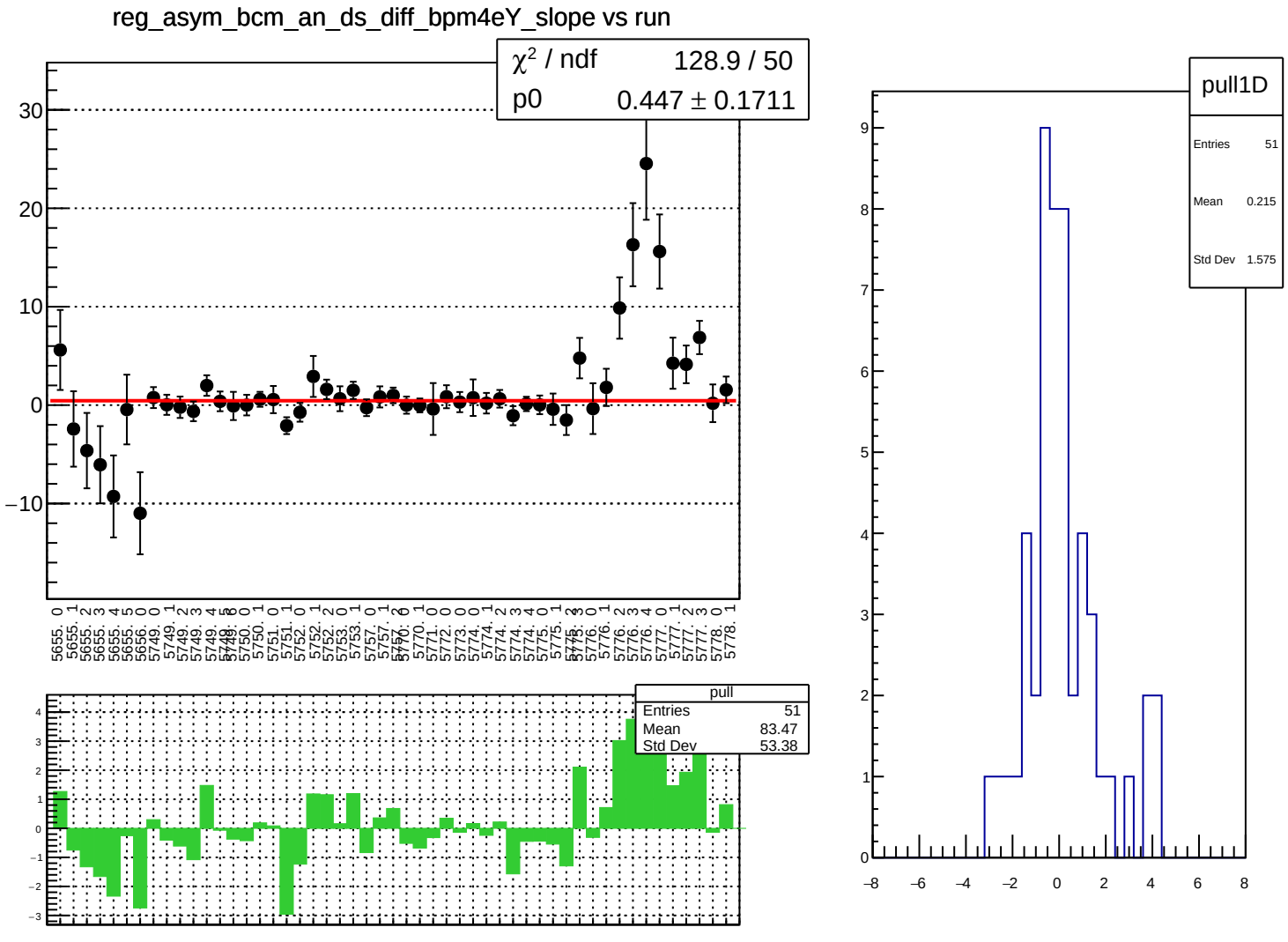

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 388 / 50
p0 0.2546 ± 0.009896
pull
Entries 51
Mean 106.1
Std Dev 76.98
pull1D
Entries 51
Mean 0.3953
Std Dev 2.73

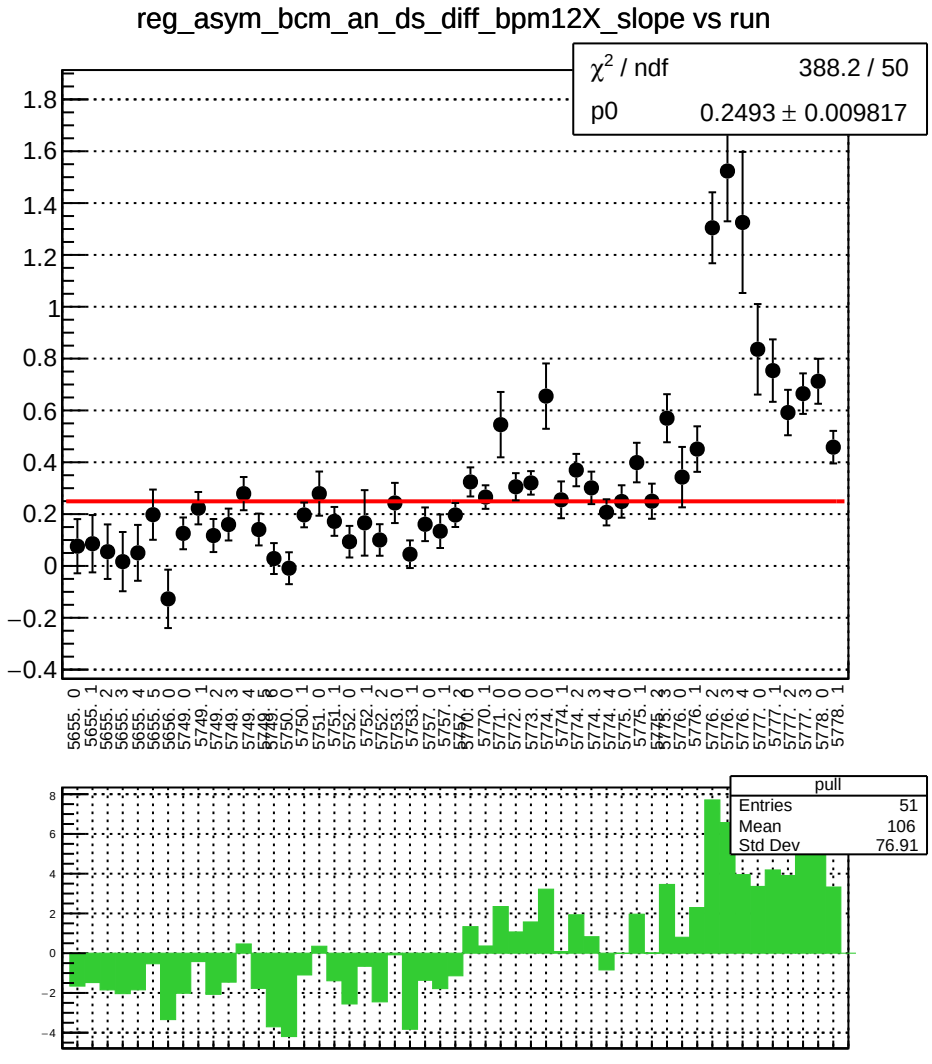

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 136.2 / 50
p0 2.398 ± 0.1604
pull
Entries 51
Mean 13.29
Std Dev 20.81

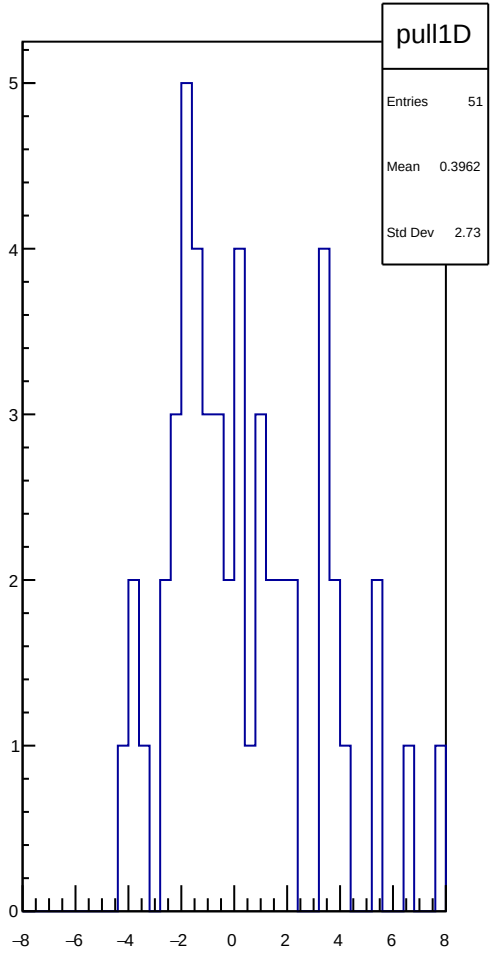

pull1D
Entries 51
Mean 0.4391
Std Dev 1.574

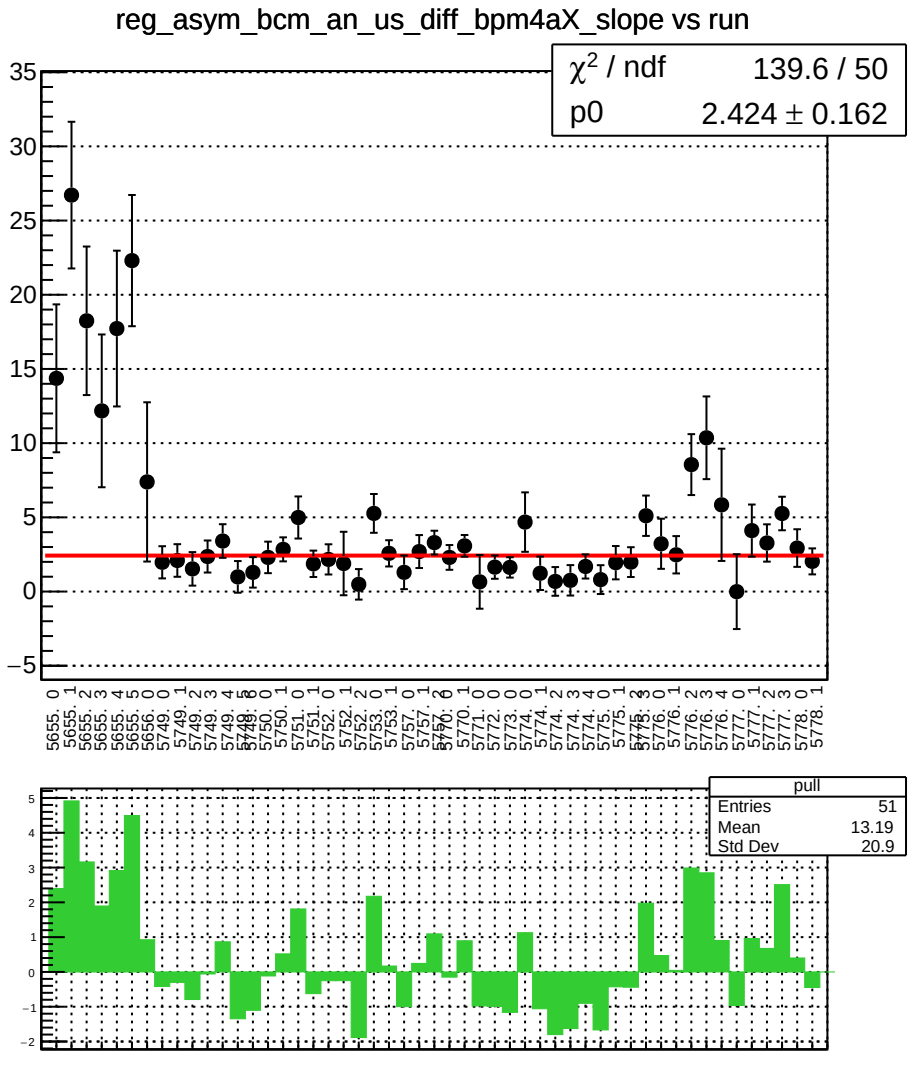

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 137.4 / 50
p0 −0.5193 ± 0.1614
pull
Entries 51
Mean 66.92
Std Dev 35.05
pull1D
Entries 51
Mean −0.3118
Std Dev 1.612

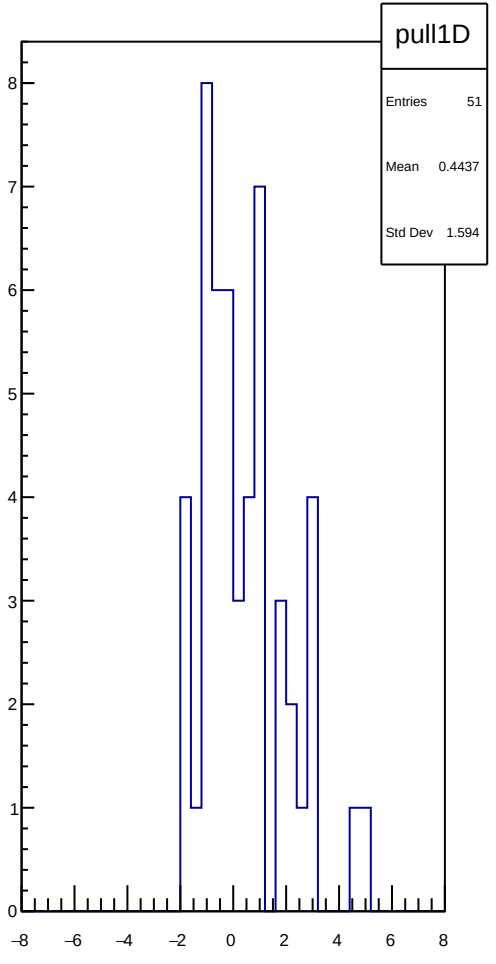

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 127.9 / 50
p0 −2.541 ± 0.2083
pull
Entries 51
Mean 5.762
Std Dev 14.46
pull1D
Entries 51
Mean −0.3826
Std Dev 1.537

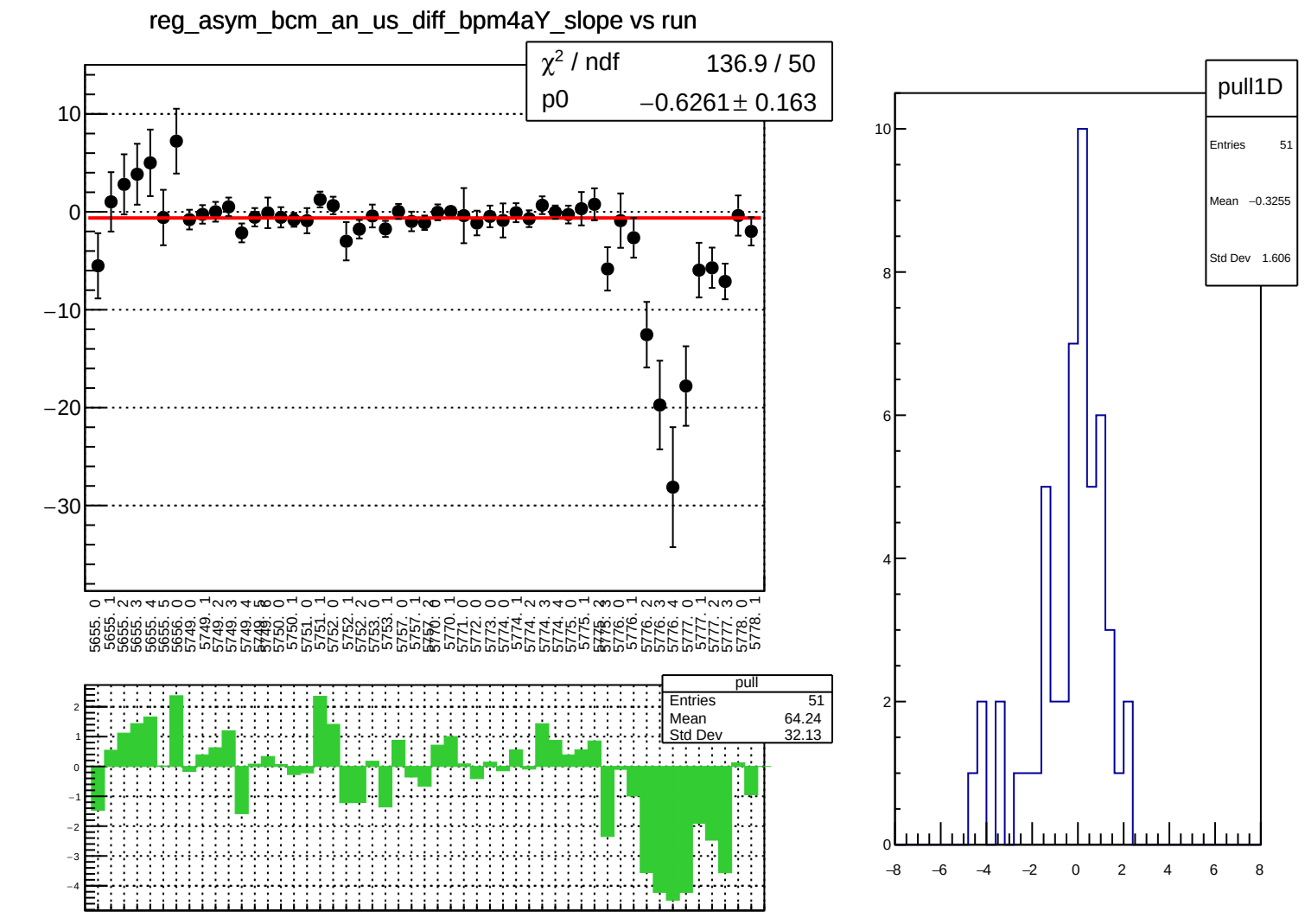

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 50
p0 0.447 ± 0.1711
pull
Entries 51
Mean 83.47
Std Dev 53.38
pull1D
Entries 51
Mean 0.215
Std Dev 1.575

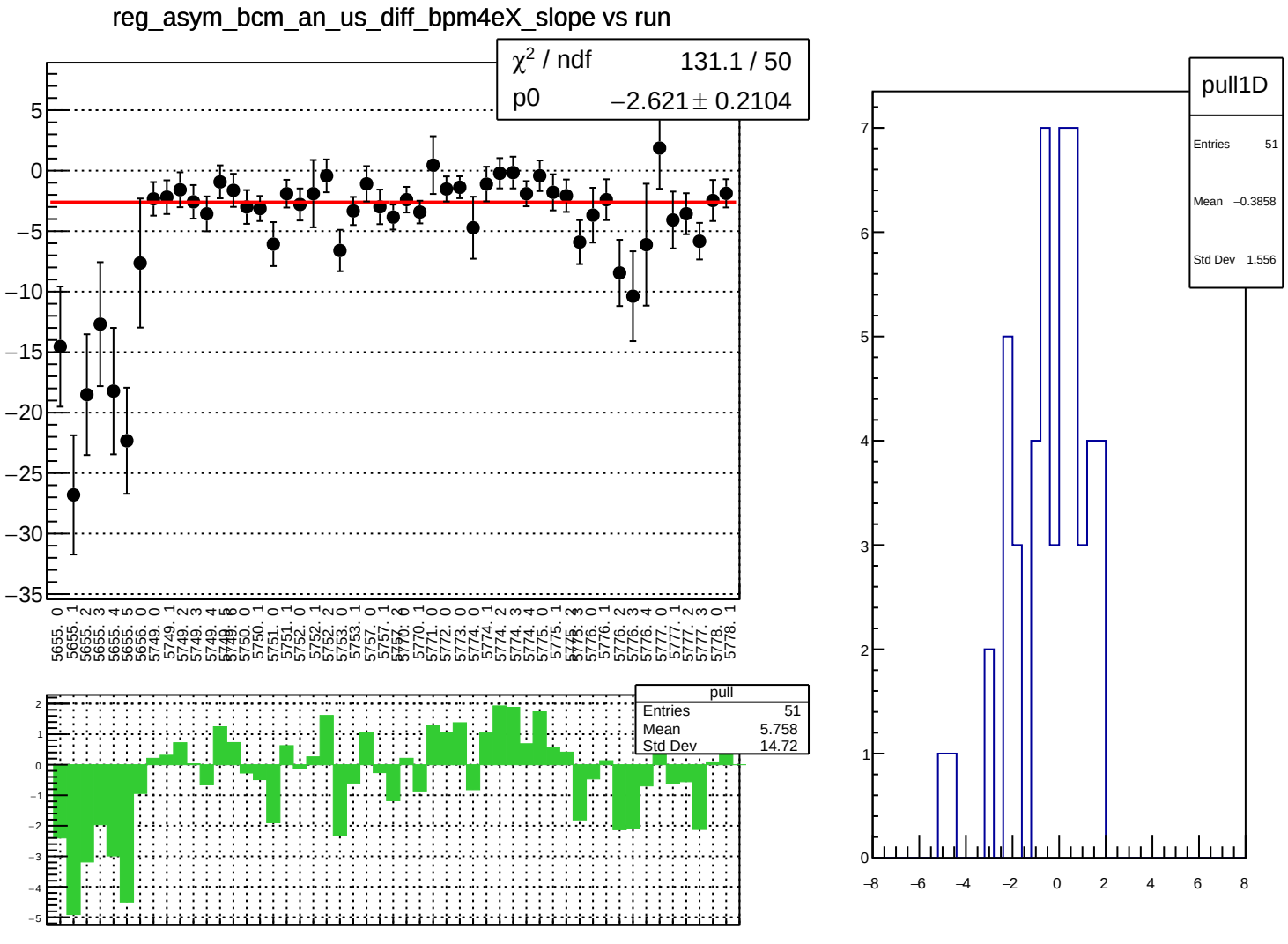

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 388.2 / 50
p0 0.2493 ± 0.009817
pull
Entries 51
Mean 106
Std Dev 76.91

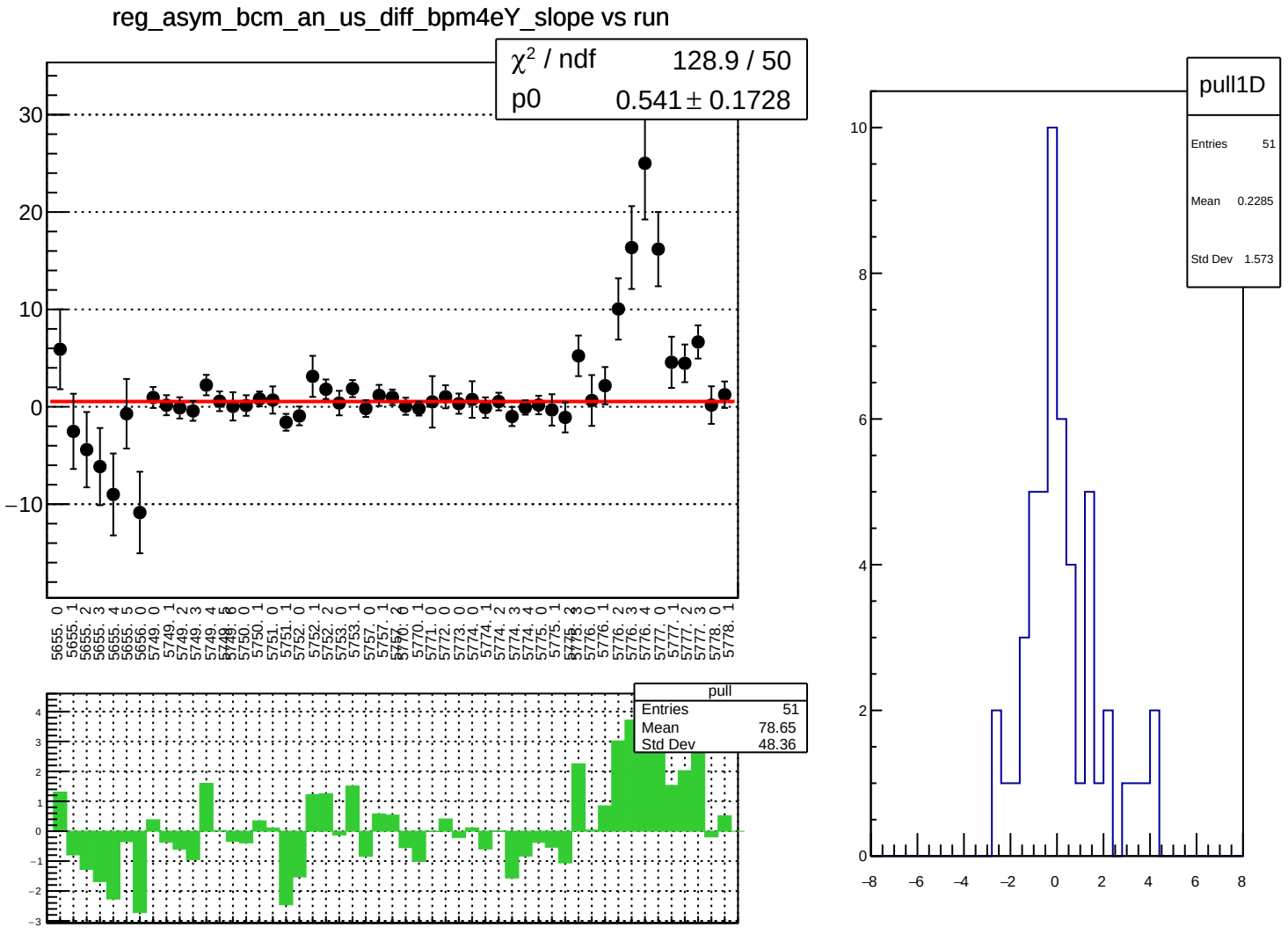

pull1D
Entries 51
Mean 0.3962
Std Dev 2.73

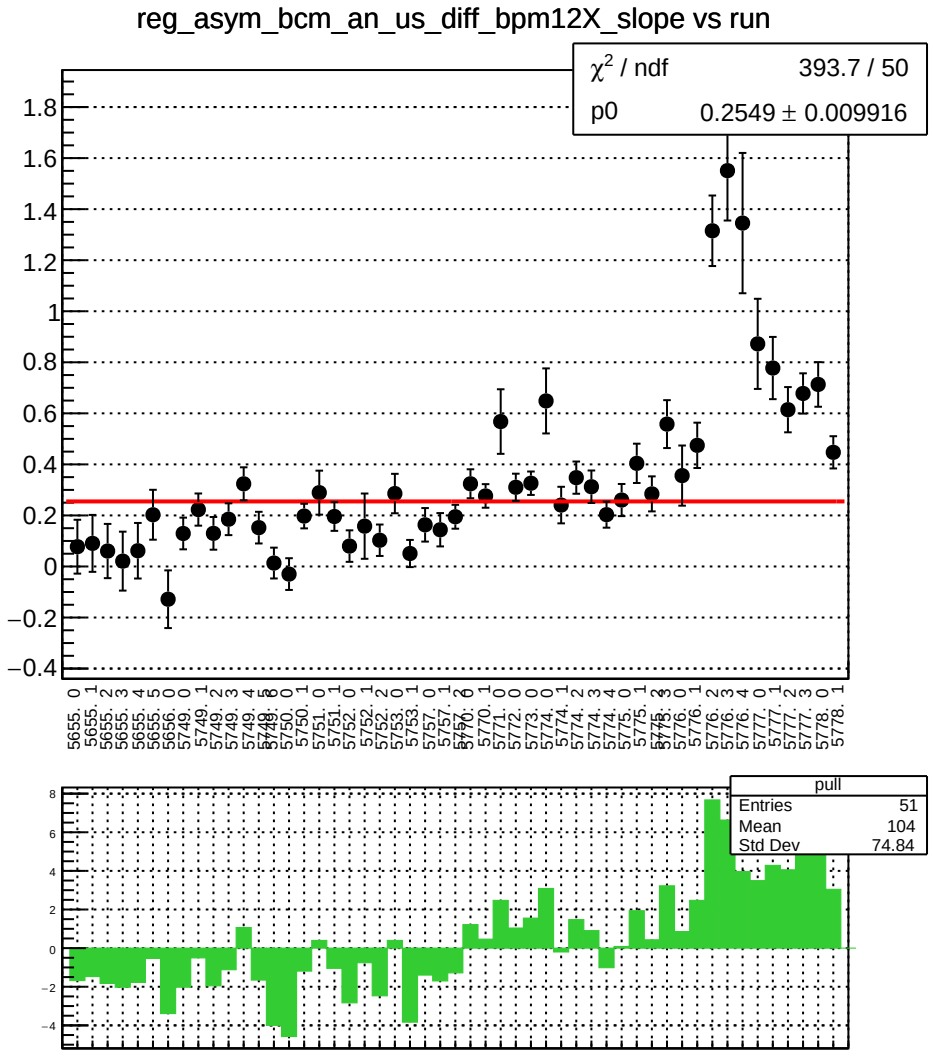

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 139.6 / 50
p0 2.424 ± 0.162
pull
Entries 51
Mean 13.19
Std Dev 20.9

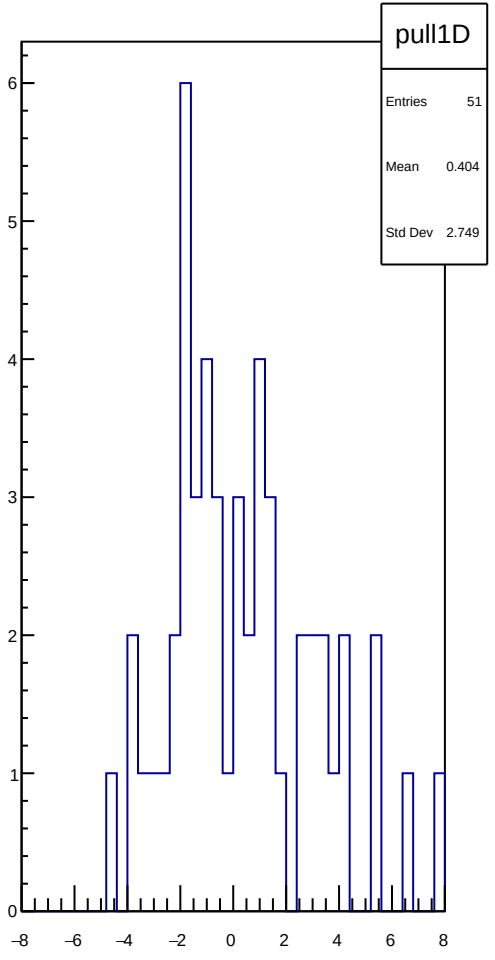

pull1D
Entries 51
Mean 0.4437
Std Dev 1.594

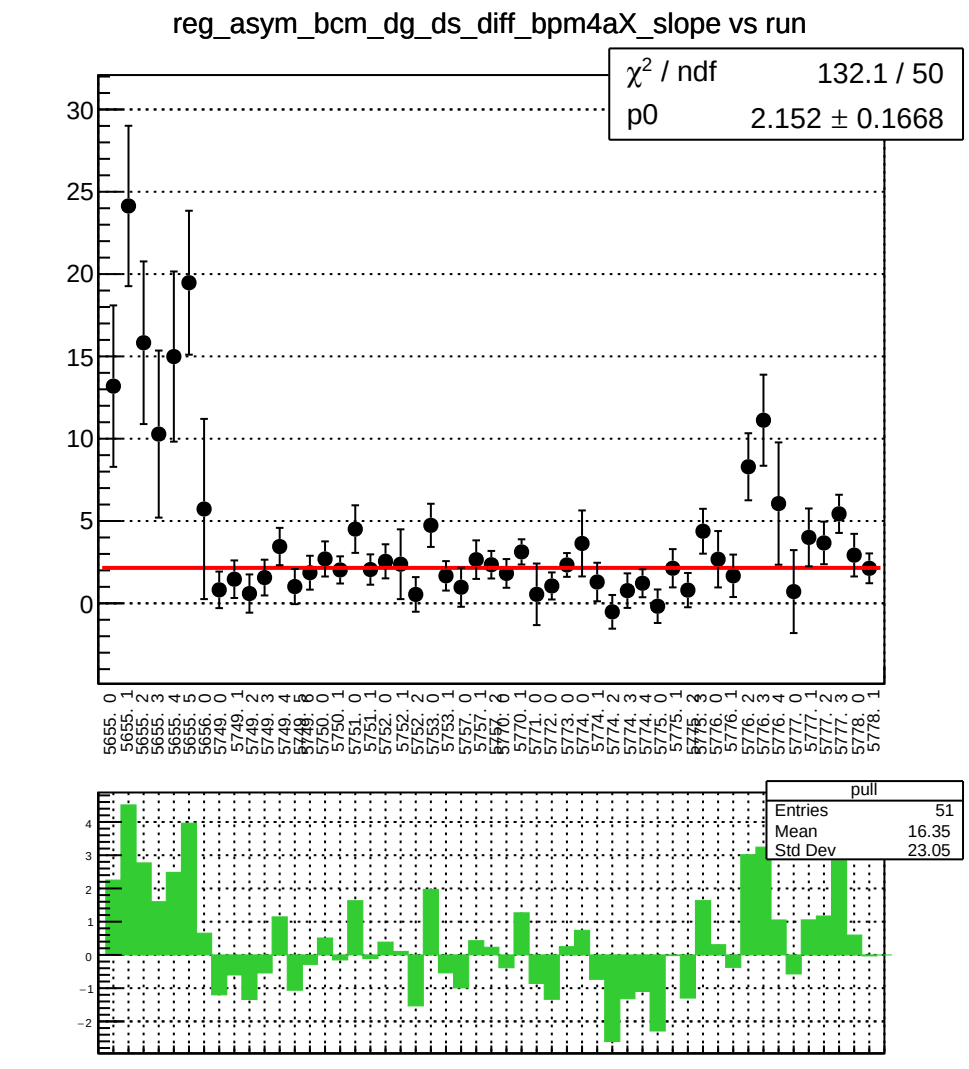

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 136.9 / 50
p0 −0.6261 ± 0.163
pull
Entries 51
Mean 64.24
Std Dev 32.13
pull1D
Entries 51
Mean −0.3255
Std Dev 1.606

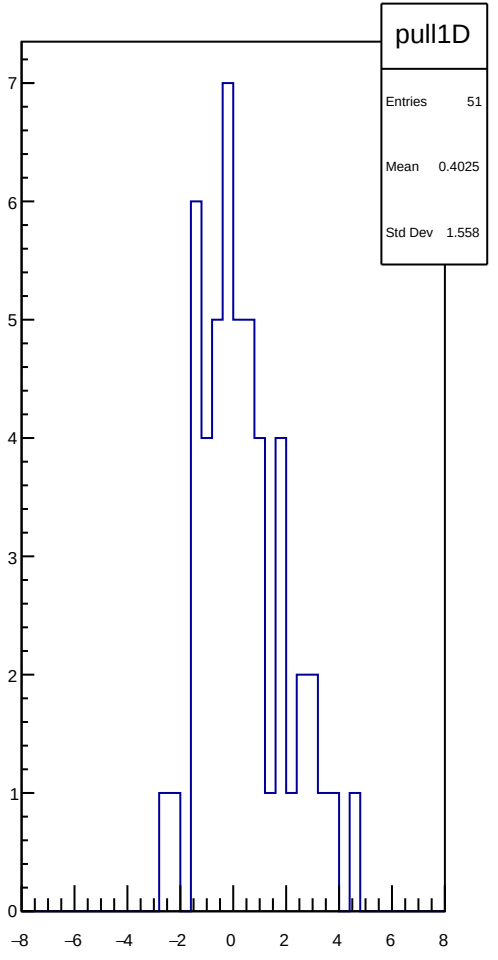

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 131.1 / 50
p0 −2.621 ± 0.2104
pull
Entries 51
Mean 5.758
Std Dev 14.72
pull1D
Entries 51
Mean −0.3858
Std Dev 1.556

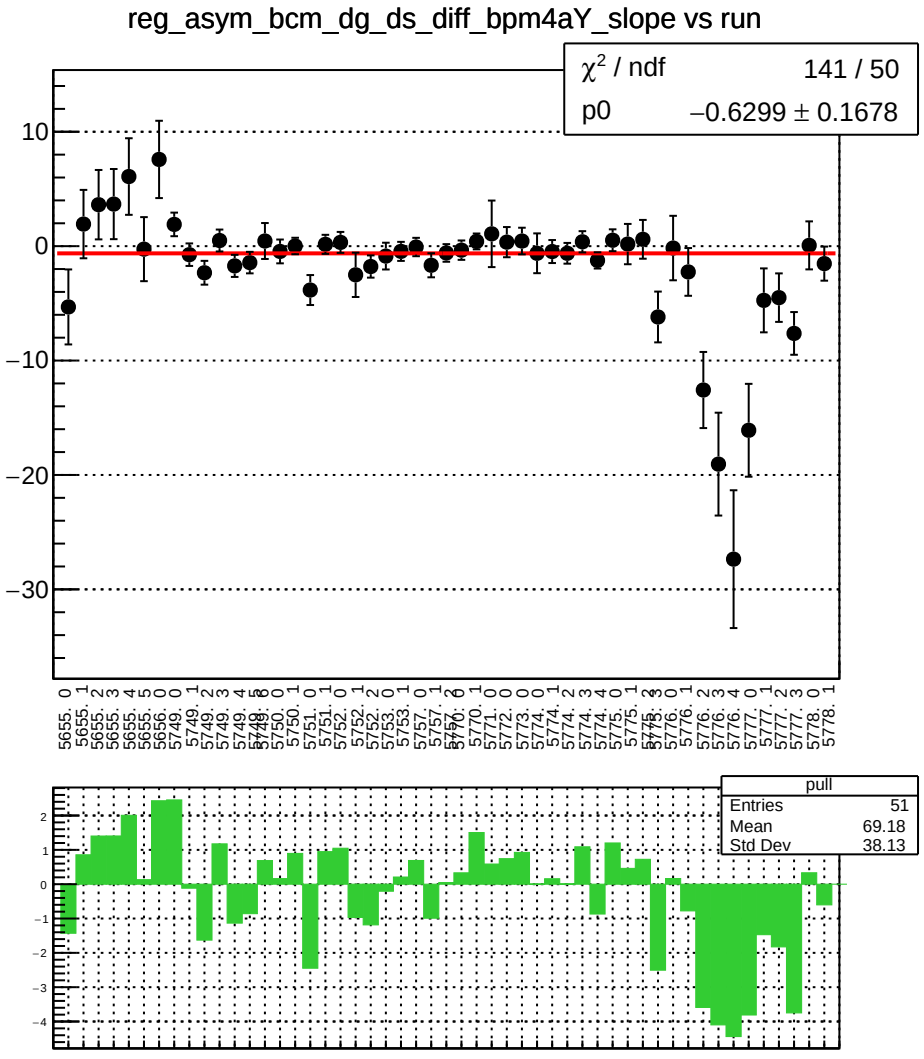

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 50
p0 0.541 ± 0.1728
pull
Entries 51
Mean 78.65
Std Dev 48.36
pull1D
Entries 51
Mean 0.2285
Std Dev 1.573

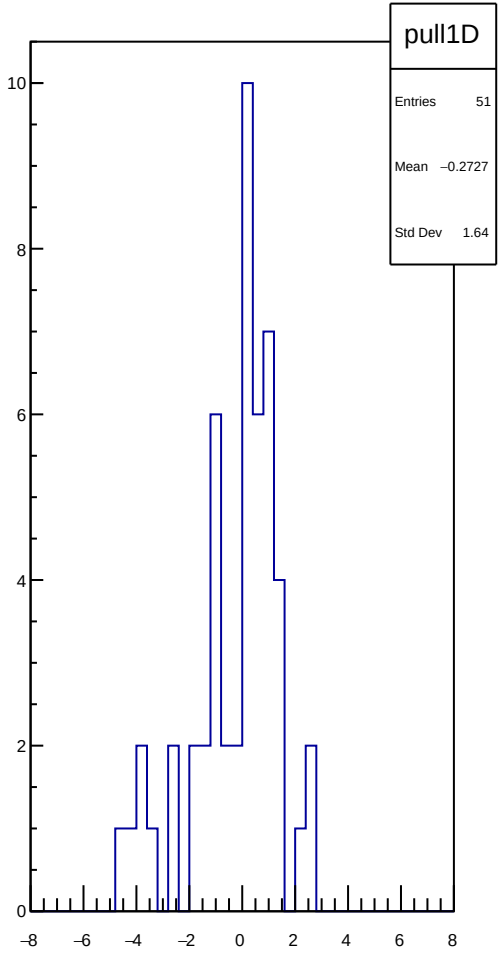

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 393.7 / 50
p0 0.2549 ± 0.009916
pull
Entries 51
Mean 104
Std Dev 74.84

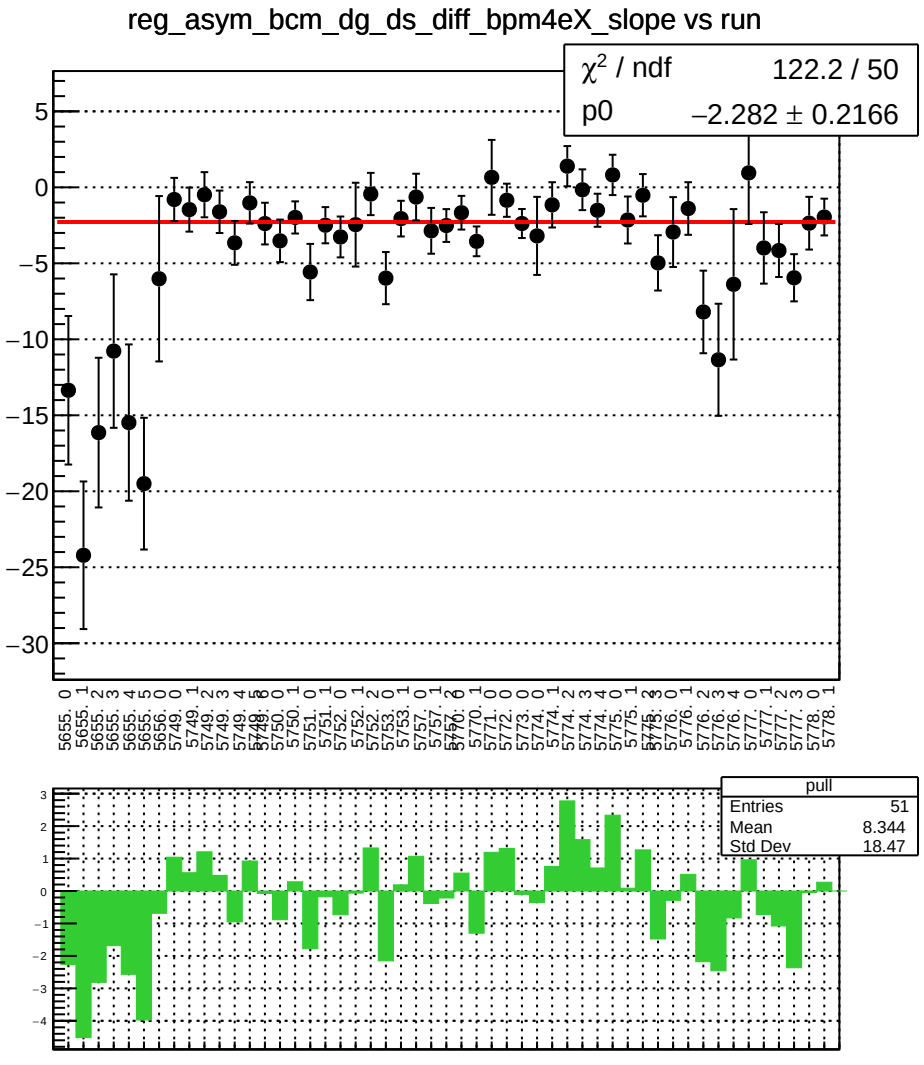

pull1D
Entries 51
Mean 0.404
Std Dev 2.749

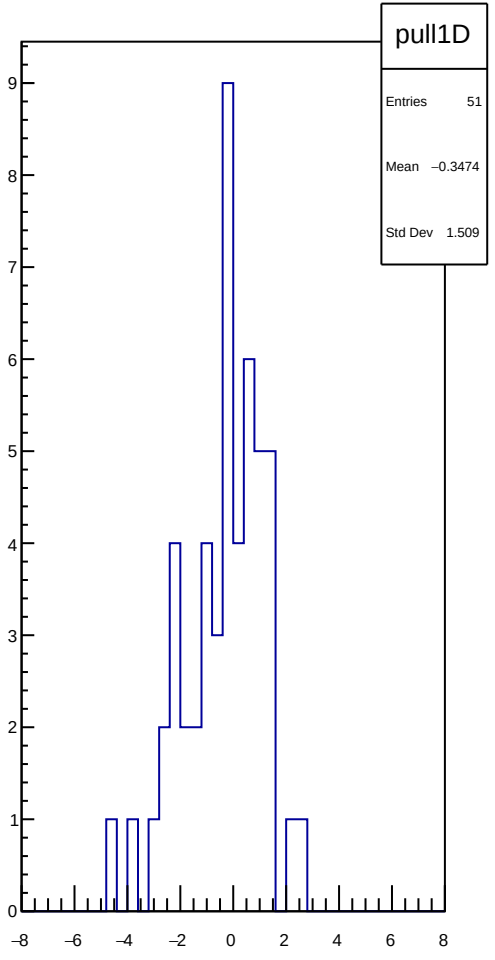

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 132.1 / 50
p0 2.152 ± 0.1668
pull
Entries 51
Mean 16.35
Std Dev 23.05

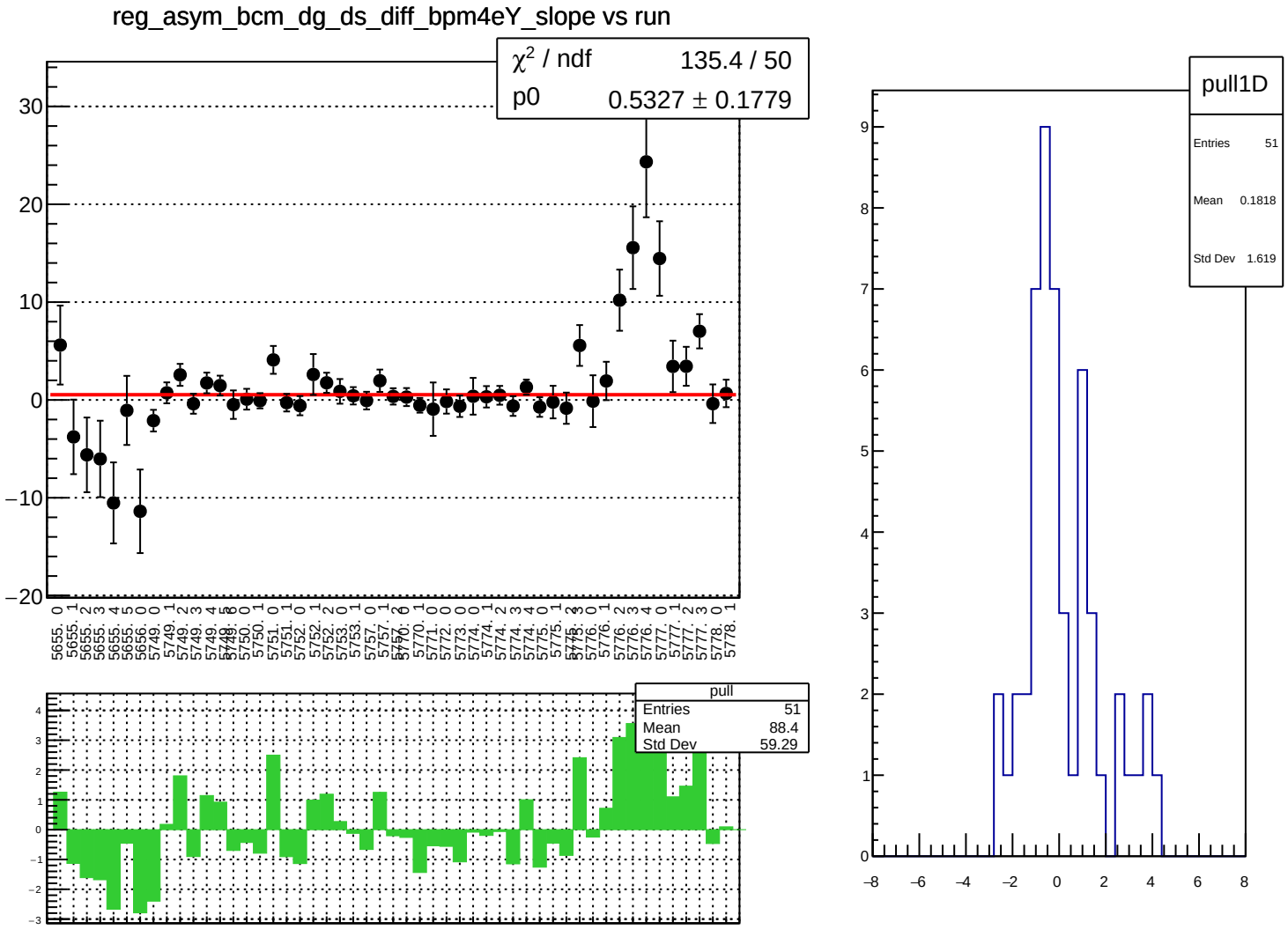

pull1D
Entries 51
Mean 0.4025
Std Dev 1.558

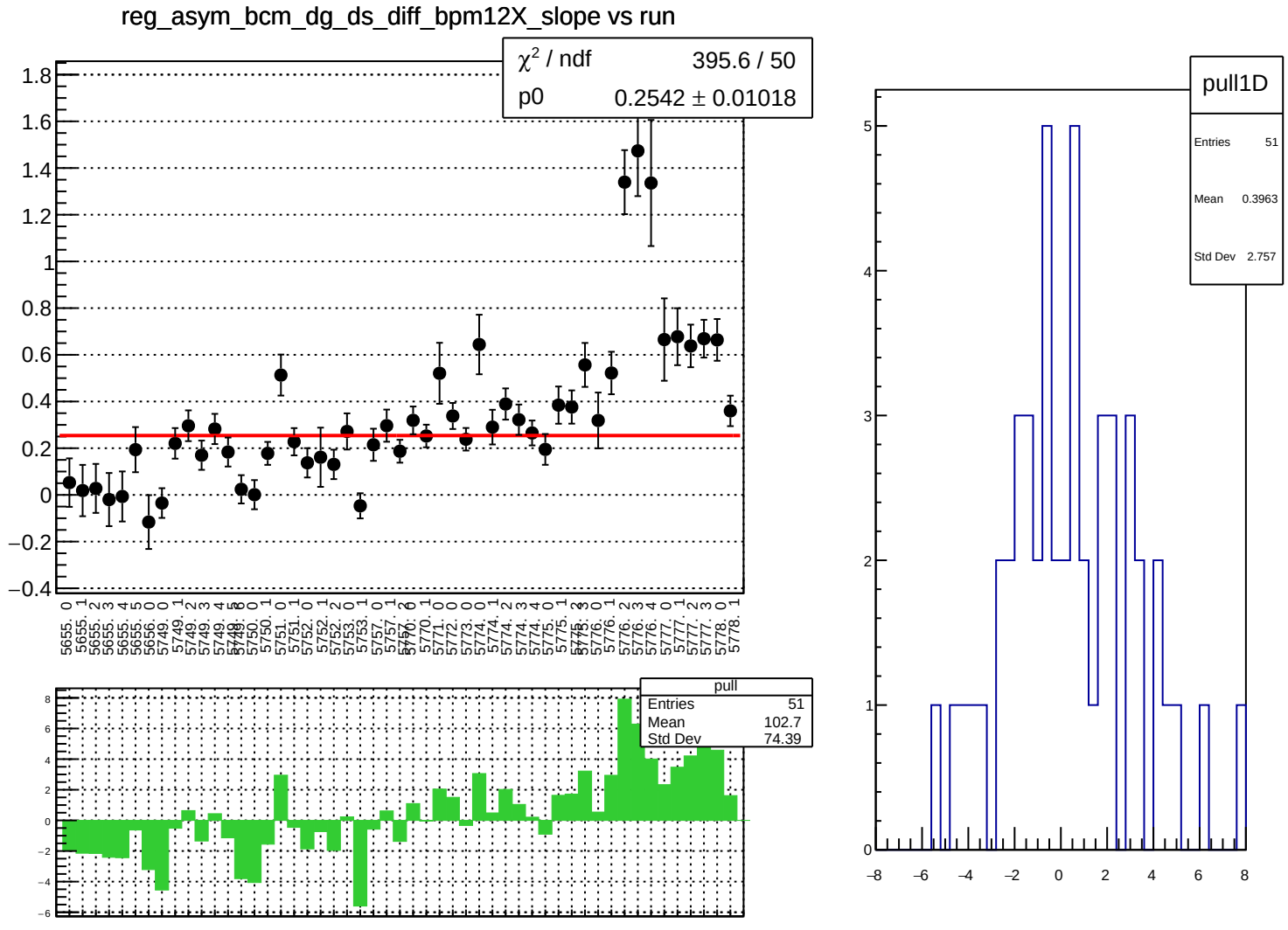

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 141 / 50
p0 −0.6299 ± 0.1678
pull
Entries 51
Mean 69.18
Std Dev 38.13

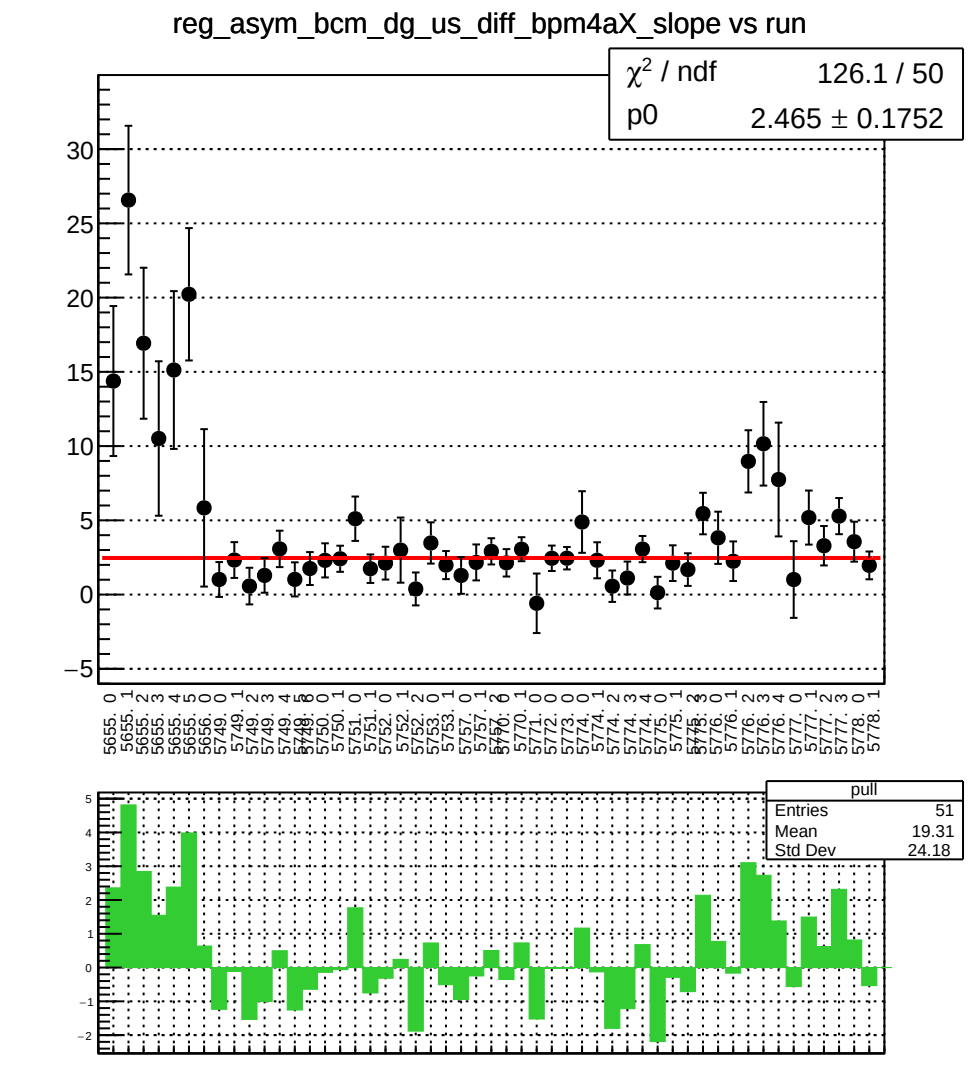

pull1D
Entries 51
Mean −0.2727
Std Dev 1.64

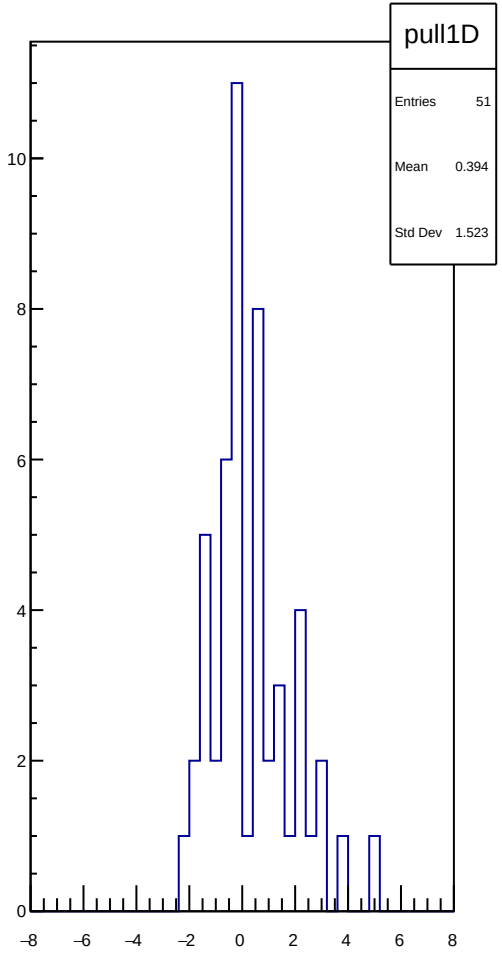

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 122.2 / 50
p0 −2.282 ± 0.2166
pull
Entries 51
Mean 8.344
Std Dev 18.47

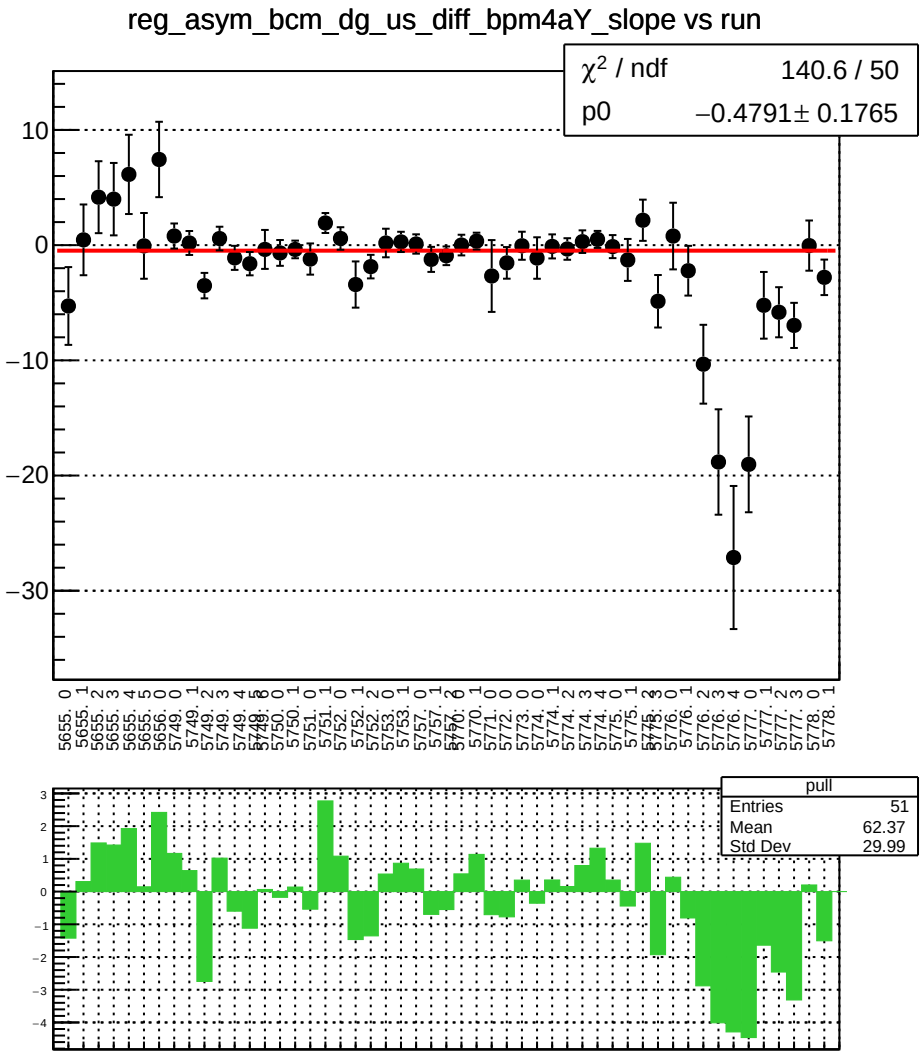

pull1D
Entries 51
Mean −0.3474
Std Dev 1.509

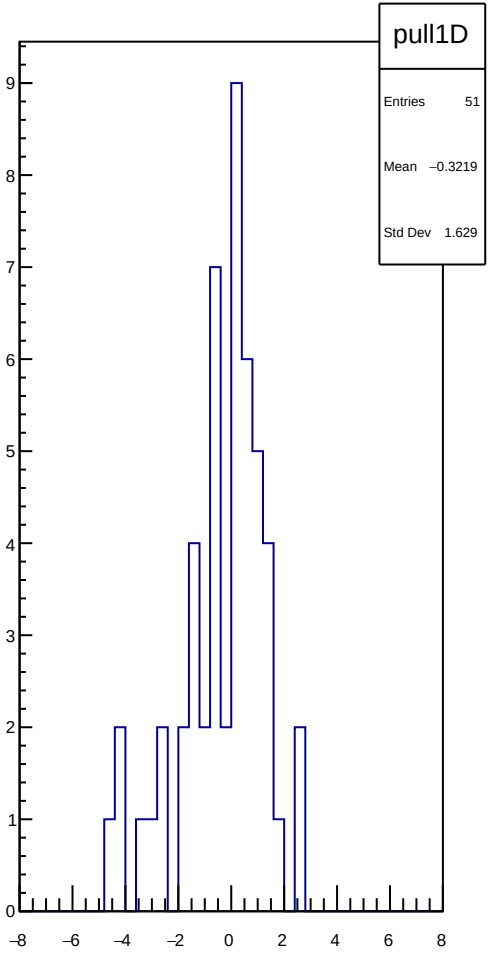

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 135.4 / 50
p0 0.5327 ± 0.1779
pull
Entries 51
Mean 88.4
Std Dev 59.29
pull1D
Entries 51
Mean 0.1818
Std Dev 1.619

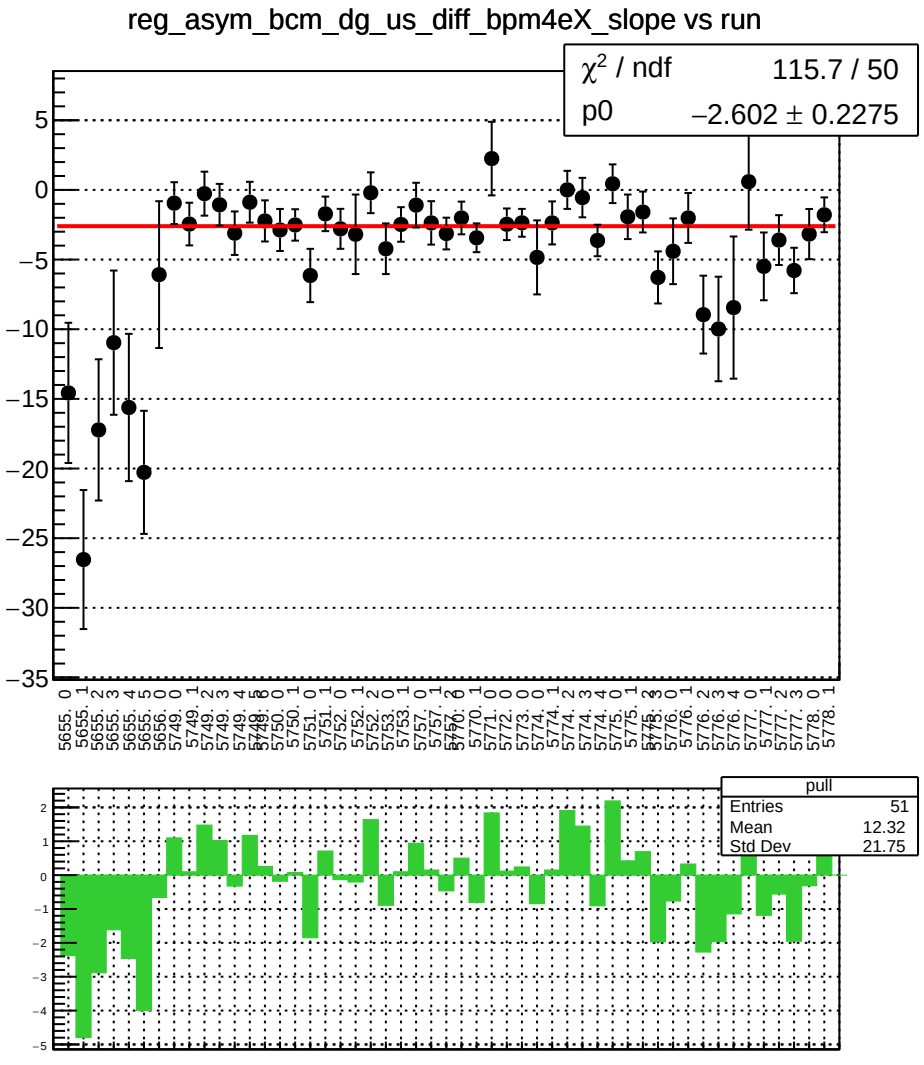

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 395.6 / 50
p0 0.2542 ± 0.01018
pull
Entries 51
Mean 102.7
Std Dev 74.39
pull1D
Entries 51
Mean 0.3963
Std Dev 2.757

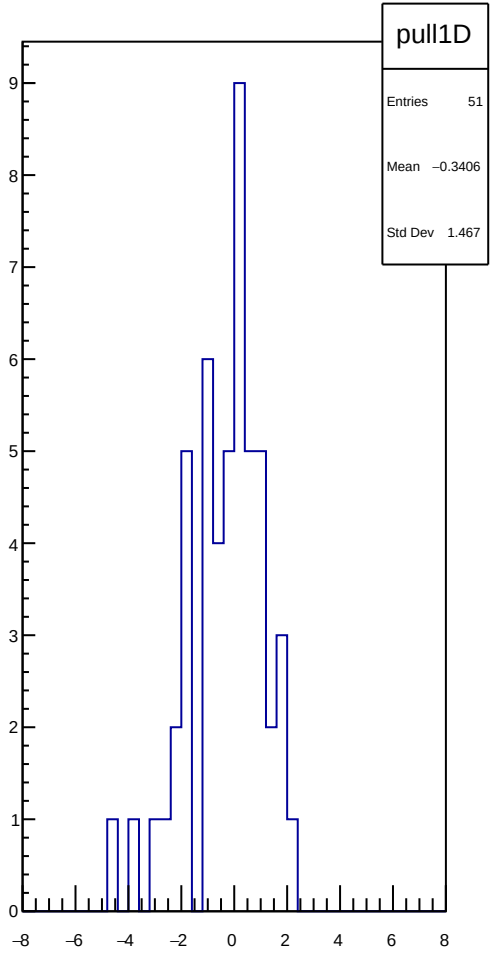

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 126.1 / 50
p0 2.465 ± 0.1752
pull
Entries 51
Mean 19.31
Std Dev 24.18

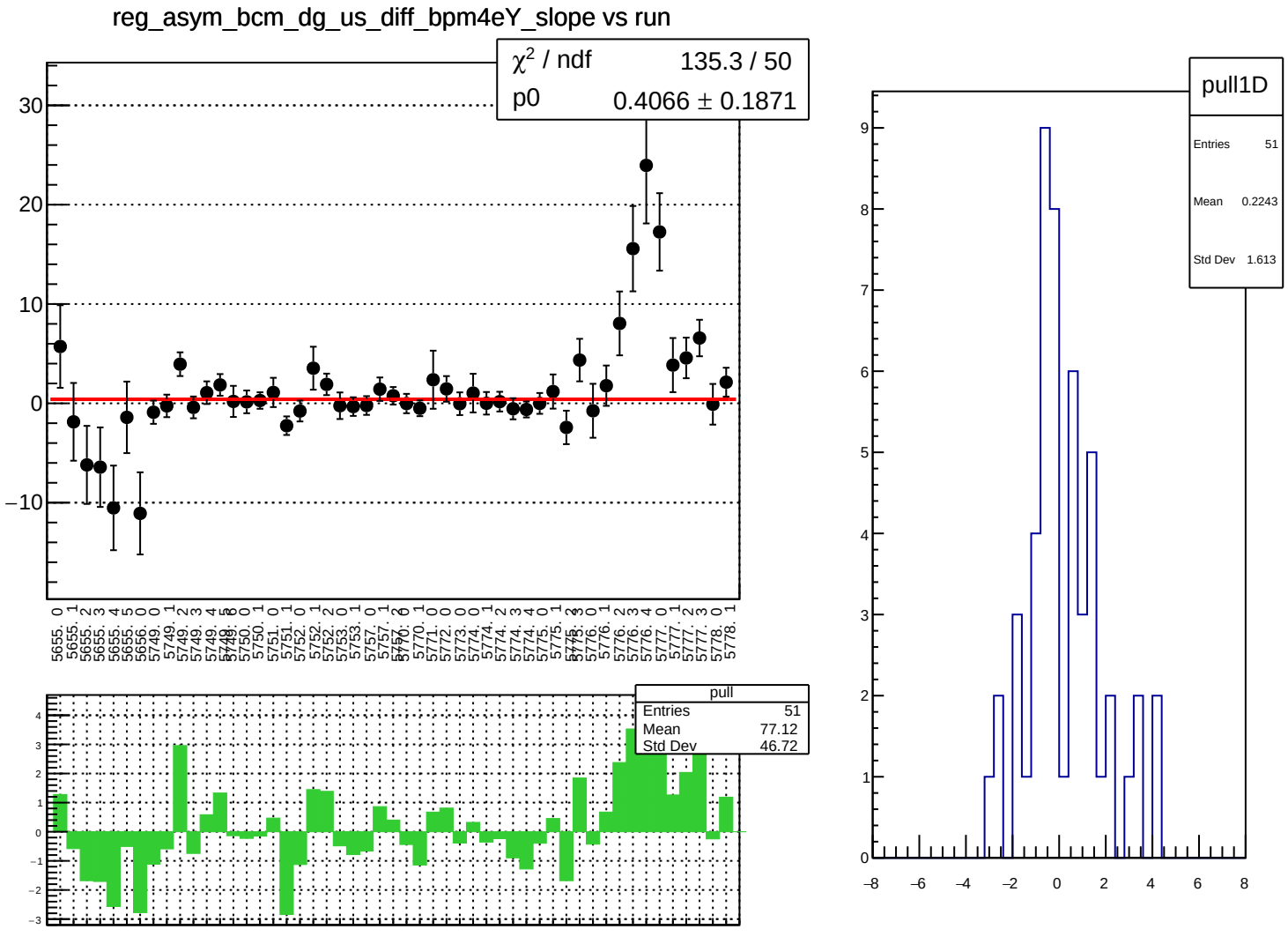

pull1D
Entries 51
Mean 0.394
Std Dev 1.523

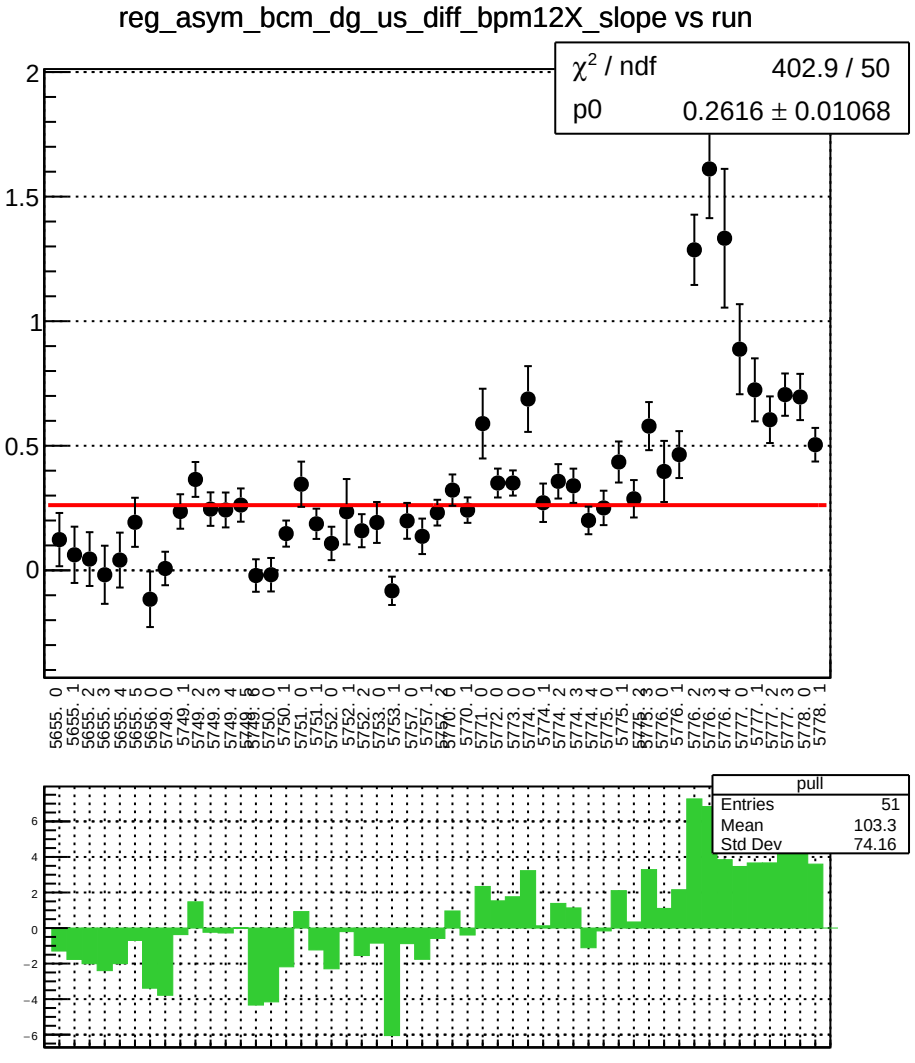

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 140.6 / 50
p0 −0.4791± 0.1765
pull
Entries 51
Mean 62.37
Std Dev 29.99

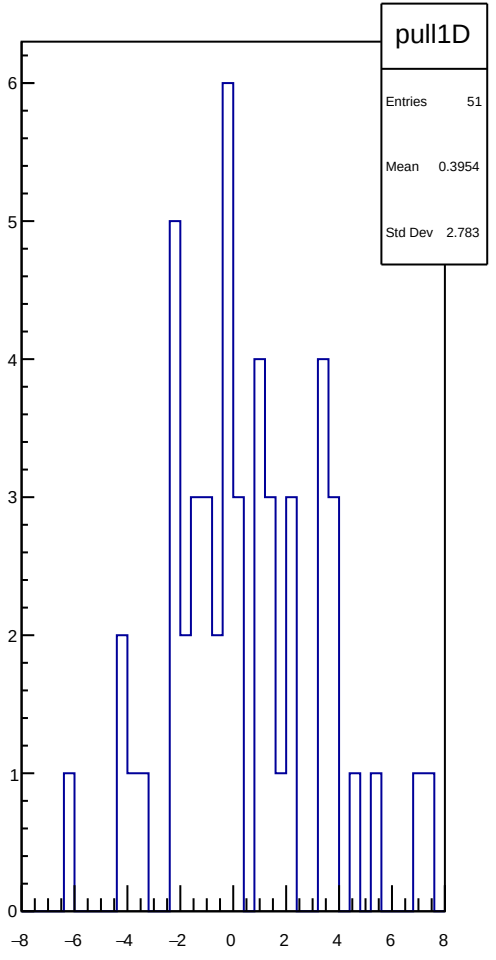

pull1D
Entries 51
Mean −0.3219
Std Dev 1.629


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 115.7 / 50
p0 −2.602 ± 0.2275
pull
Entries 51
Mean 12.32
Std Dev 21.75


pull1D
Entries 51
Mean −0.3406
Std Dev 1.467


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 135.3 / 50
p0 0.4066 ± 0.1871
pull
Entries 51
Mean 77.12
Std Dev 46.72
pull1D
Entries 51
Mean 0.2243
Std Dev 1.613


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 402.9 / 50
p0 0.2616 ± 0.01068
pull
Entries 51
Mean 103.3
Std Dev 74.16


pull1D
Entries 51
Mean 0.3954
Std Dev 2.783