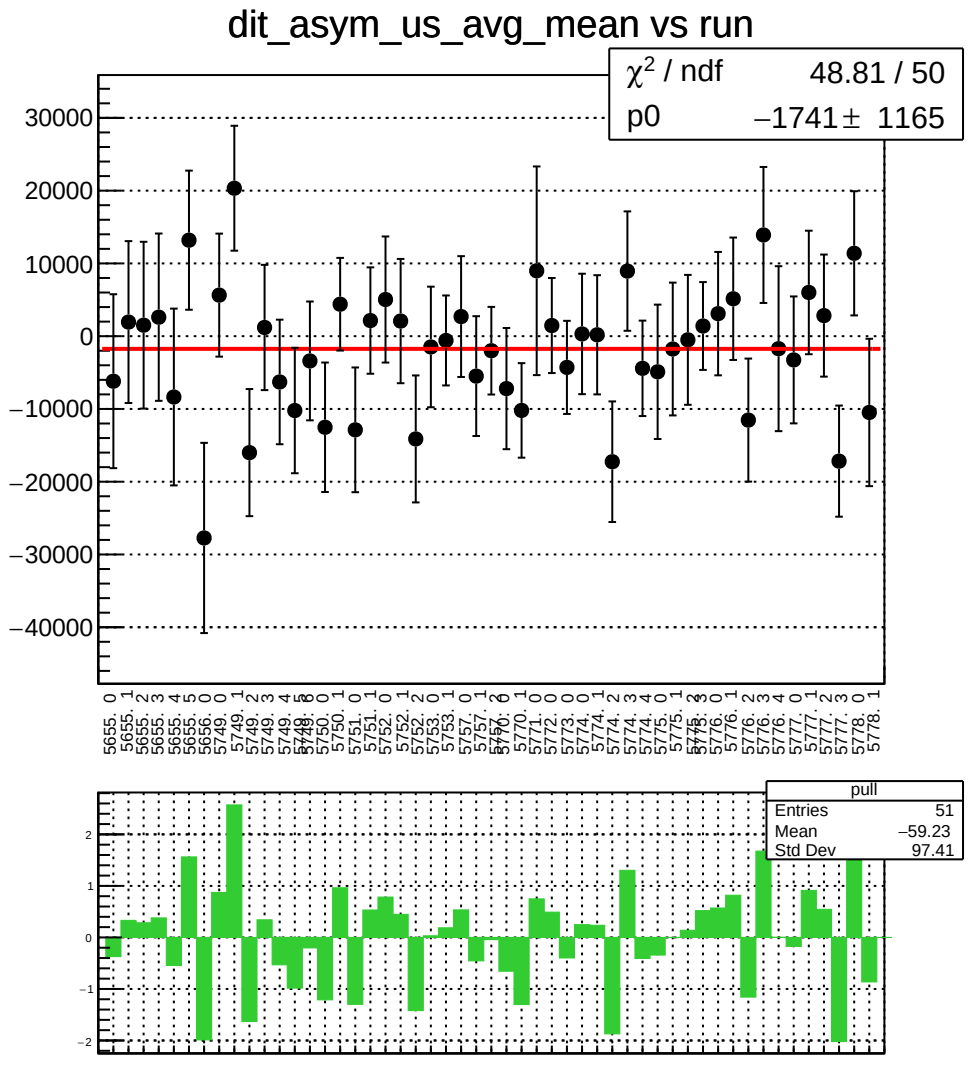
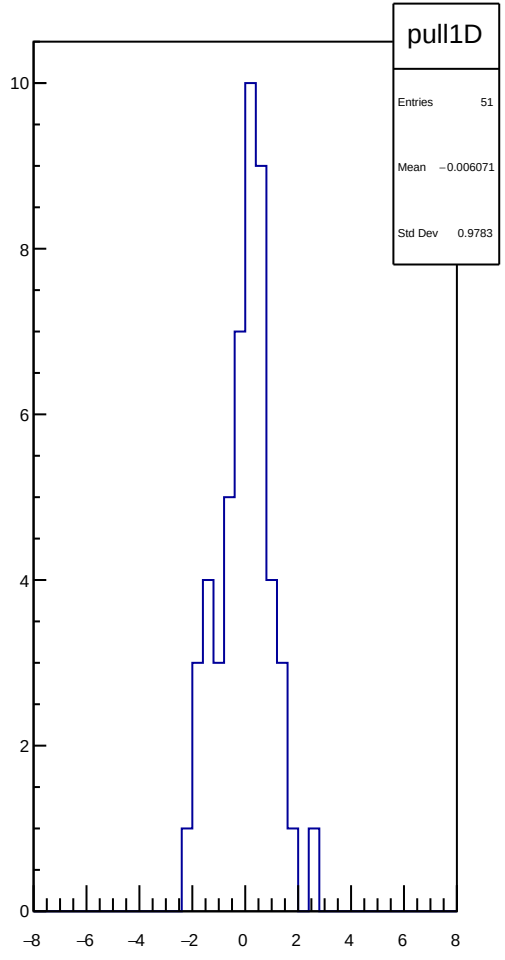
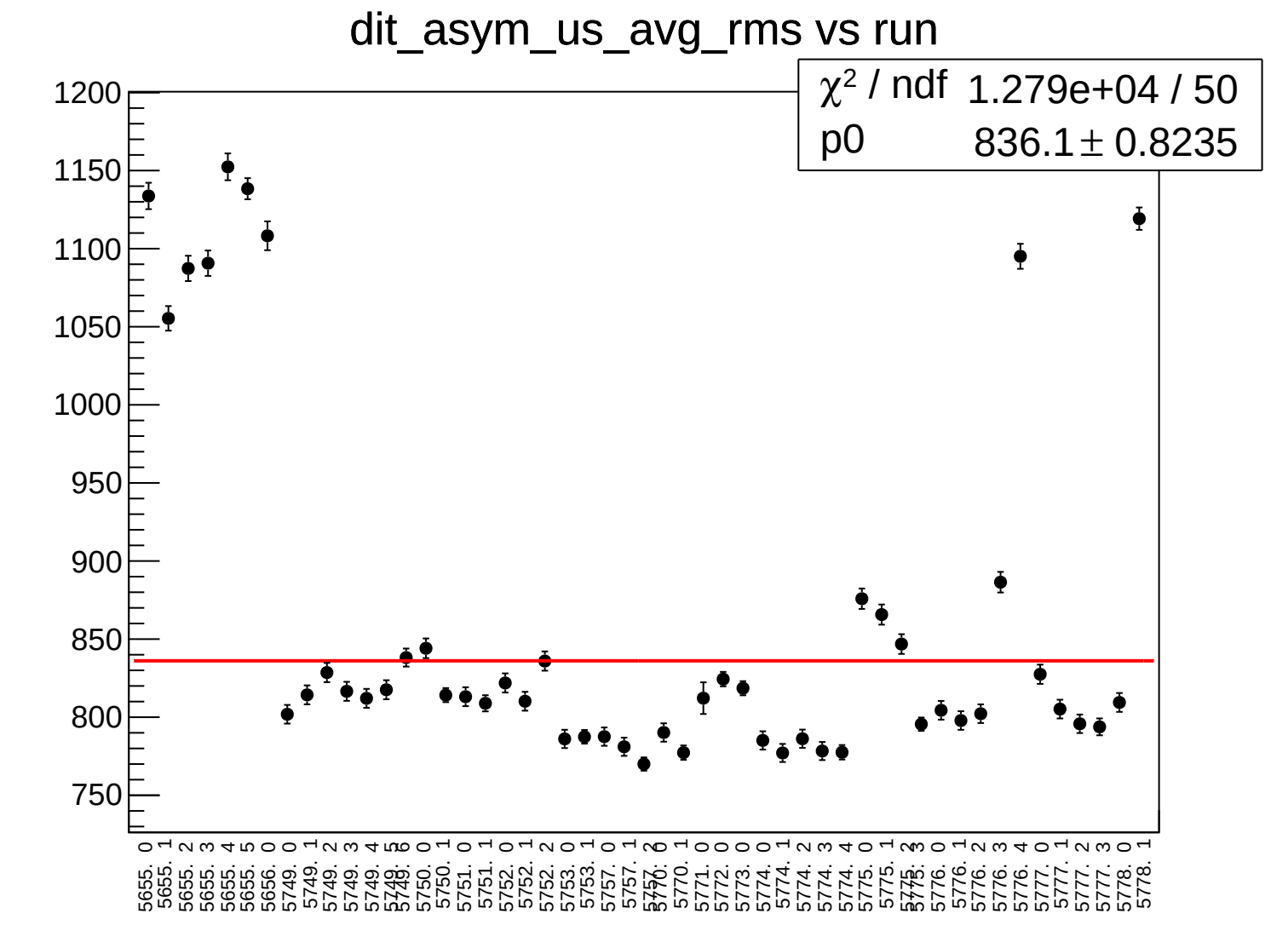
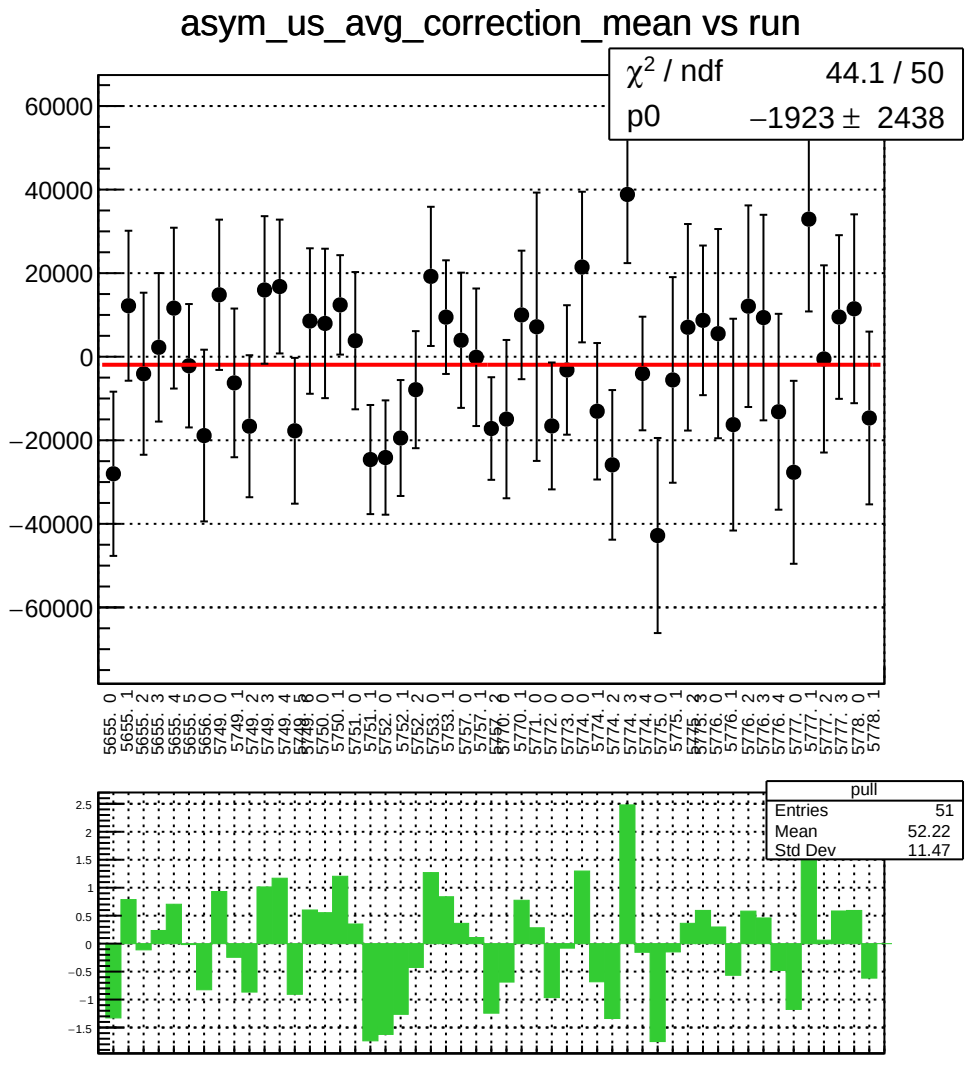
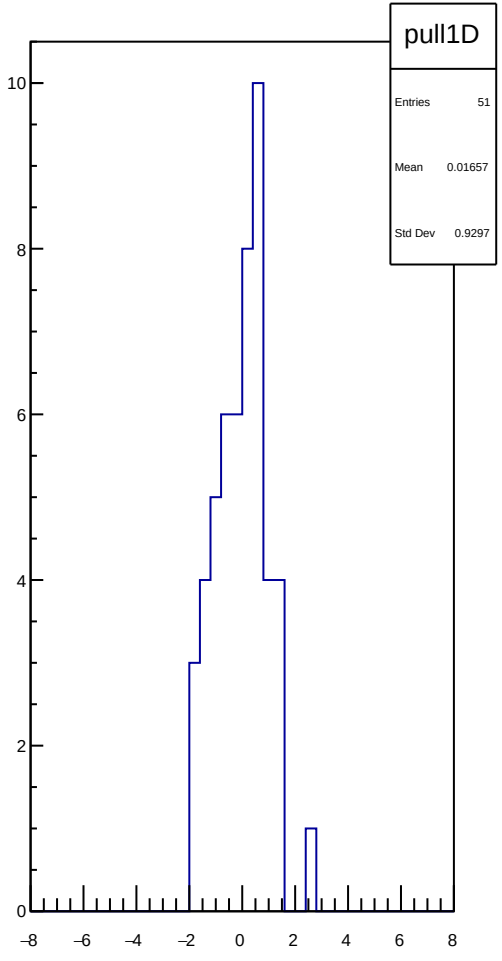
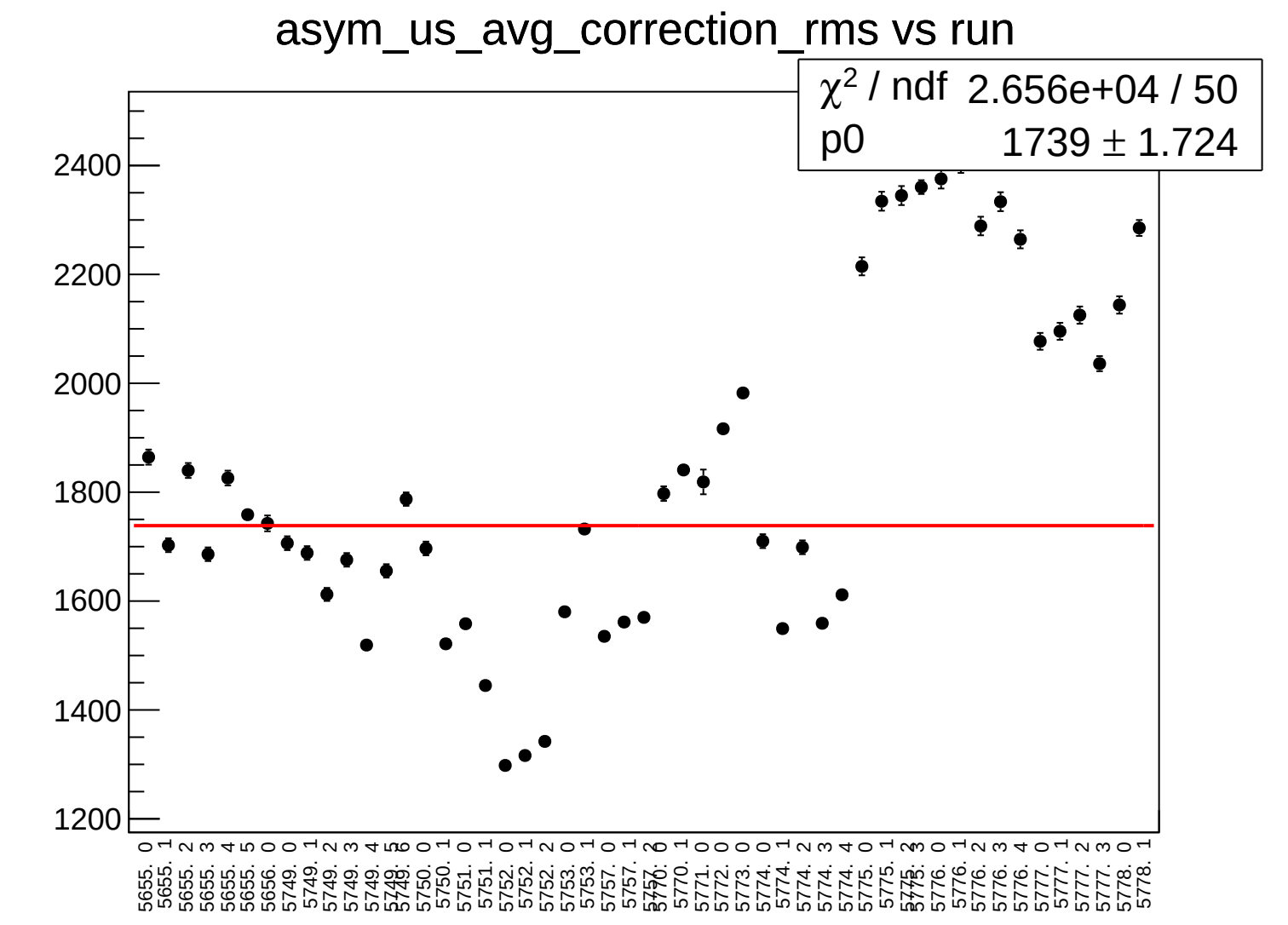

dit_asym_us_avg_mean vs run
χ² / ndf 48.81 / 50
p0 −1741 ± 1165
pull
Entries 51
Mean −59.23
Std Dev 97.41

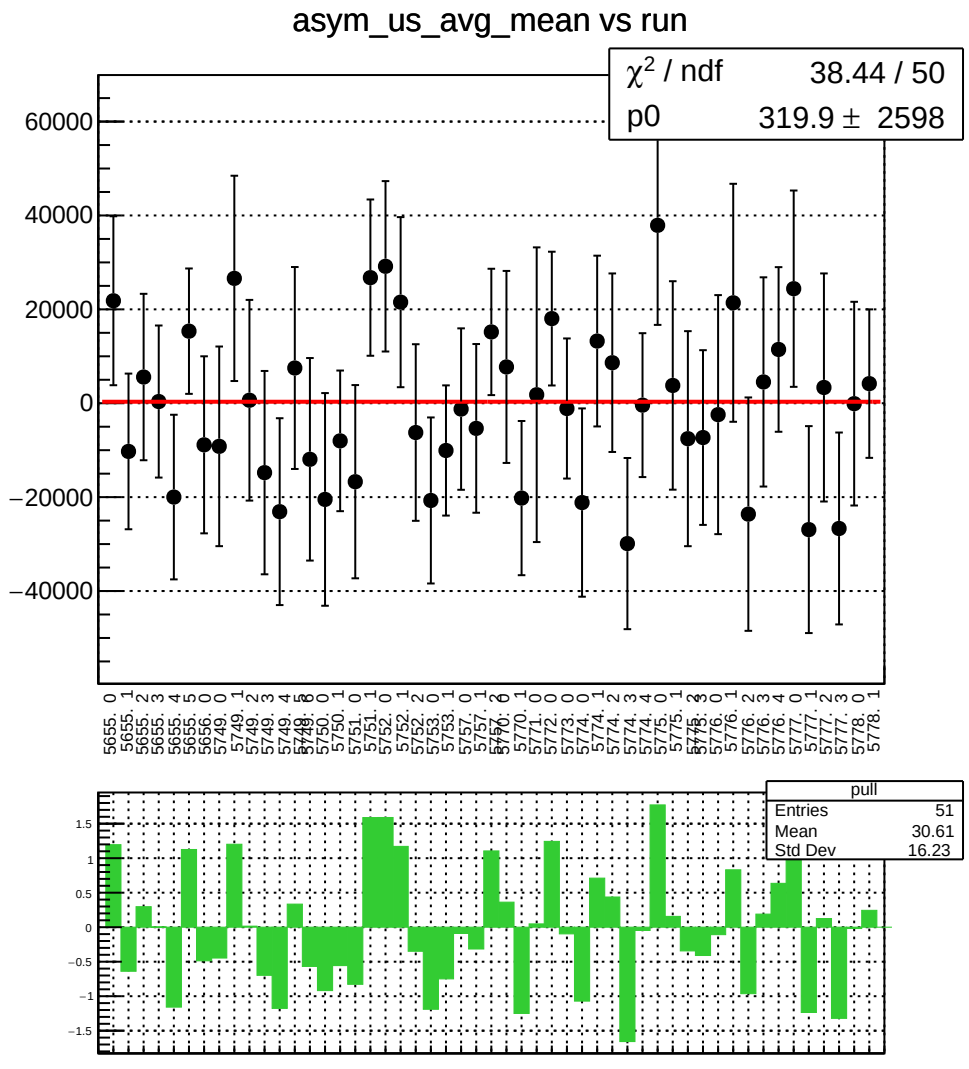

pull1D
Entries 51
Mean −0.006071
Std Dev 0.9783

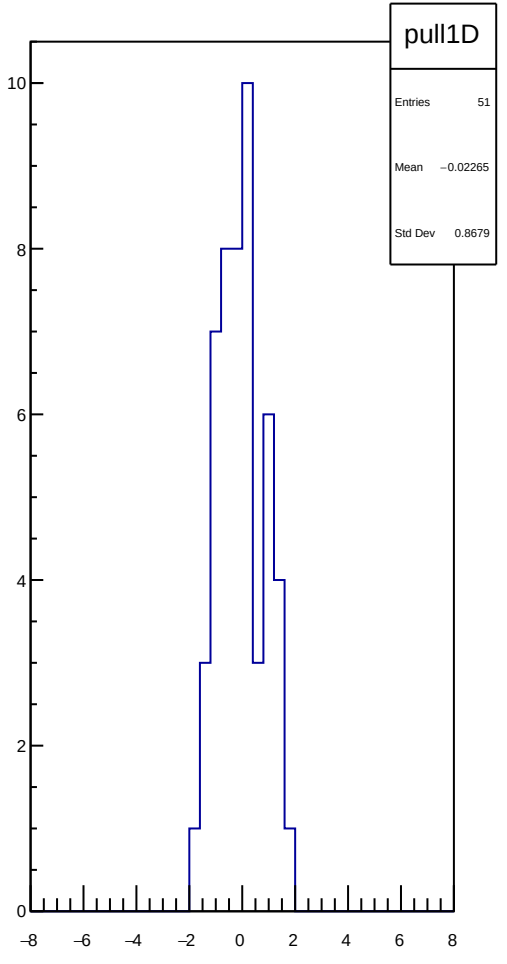

dit_asym_us_avg_rms vs run
χ² / ndf 1.279e+04 / 50
p0 836.1 ± 0.8235
1200
1150
1100
1050
1000
950
900
850
800
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

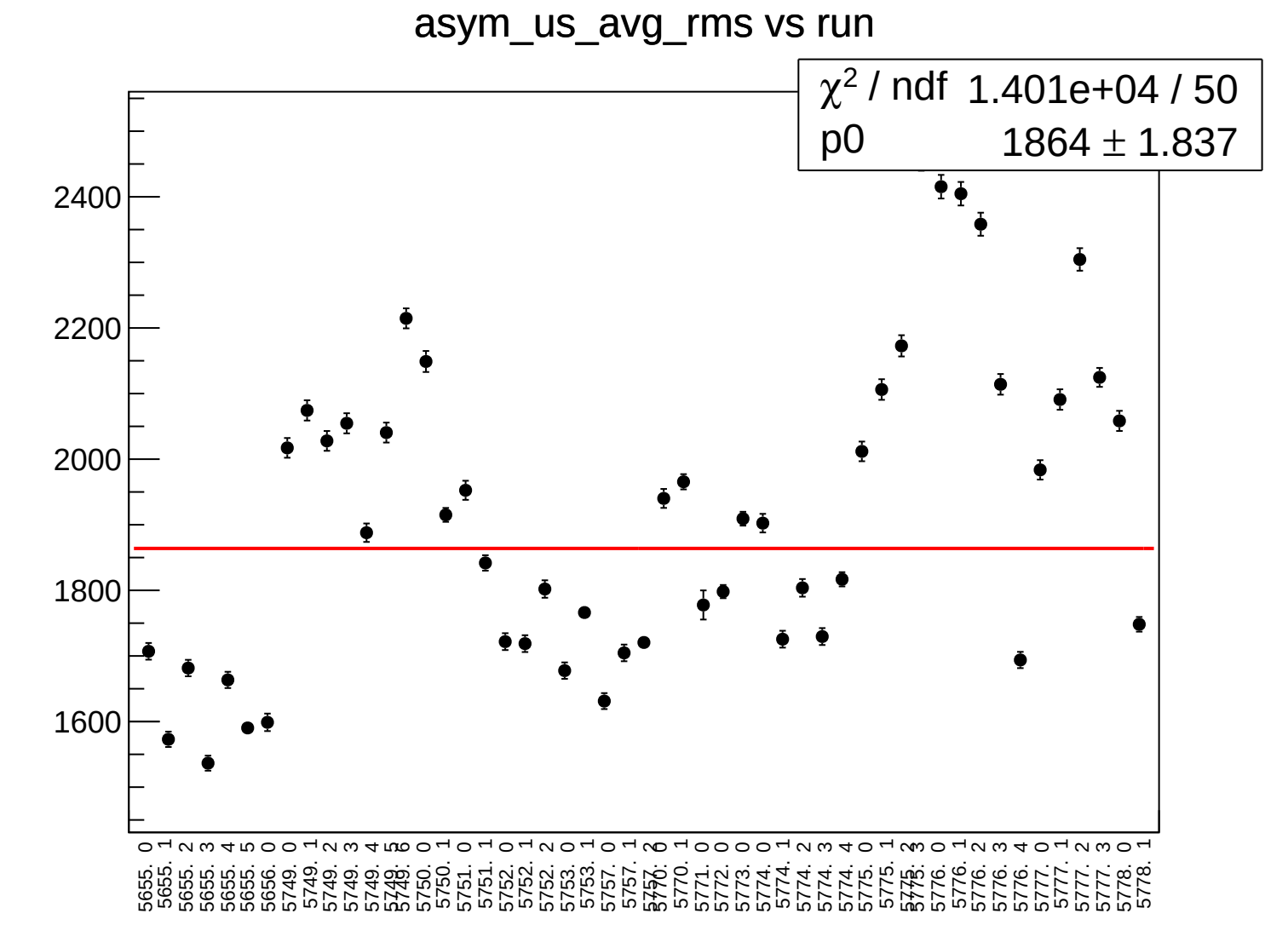

asym_us_avg_correction_mean vs run
χ² / ndf 44.1 / 50
p0 −1923 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 52.22
Std Dev 11.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

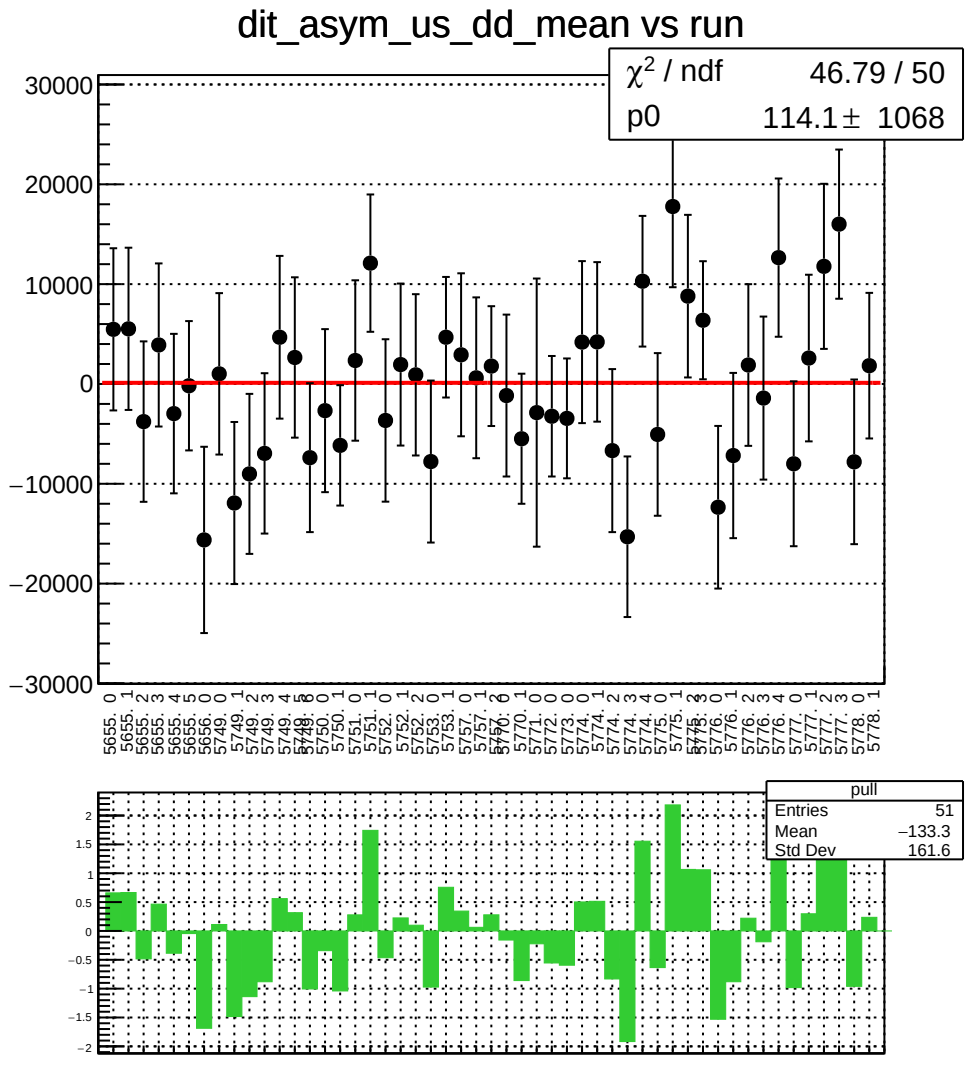

pull1D
Entries 51
Mean 0.01657
Std Dev 0.9297
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

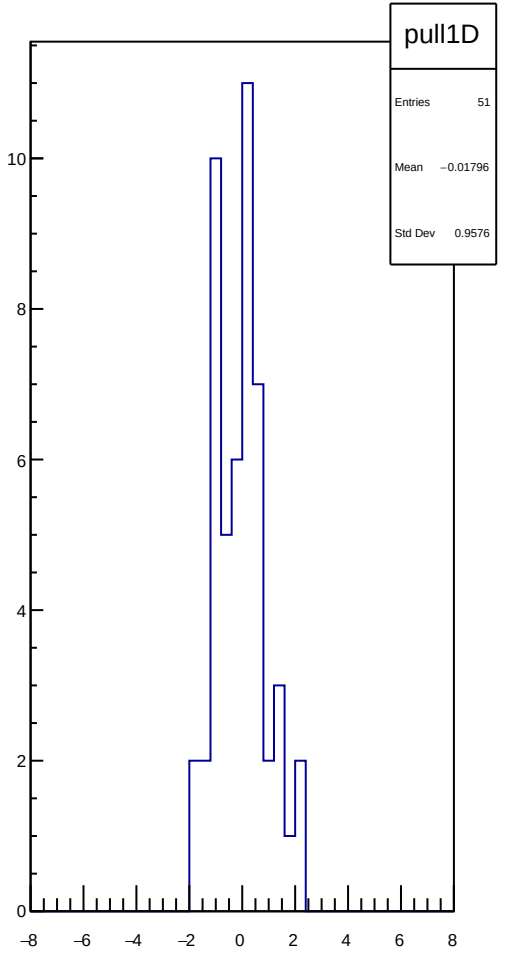

asym_us_avg_correction_rms vs run
χ² / ndf 2.656e+04 / 50
p0 1739 ± 1.724
2400
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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

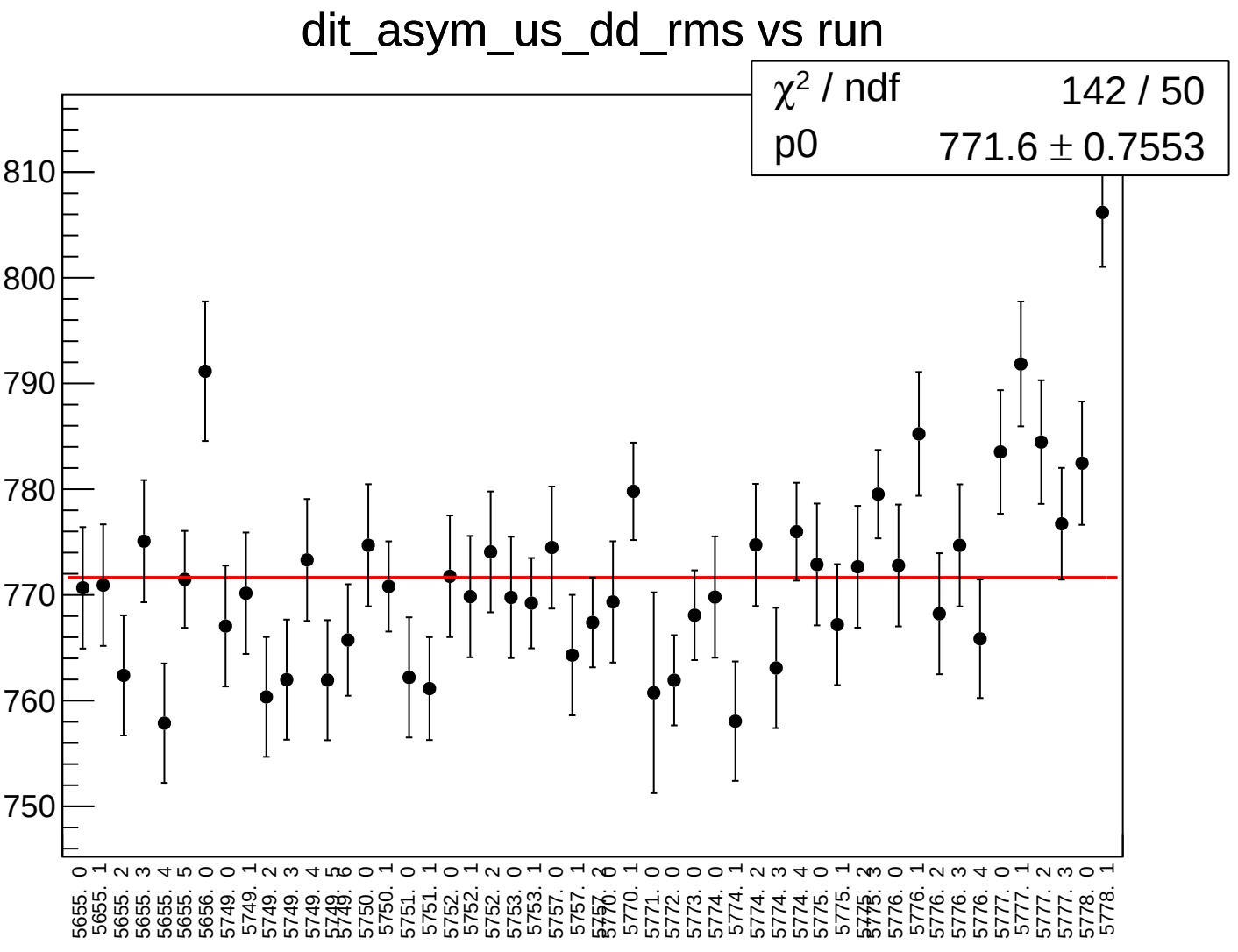

asym_us_avg_mean vs run
χ² / ndf 38.44 / 50
p0 319.9 ± 2598
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 30.61
Std Dev 16.23
1.5
1
0.5
0
−0.5
−1
−1.5

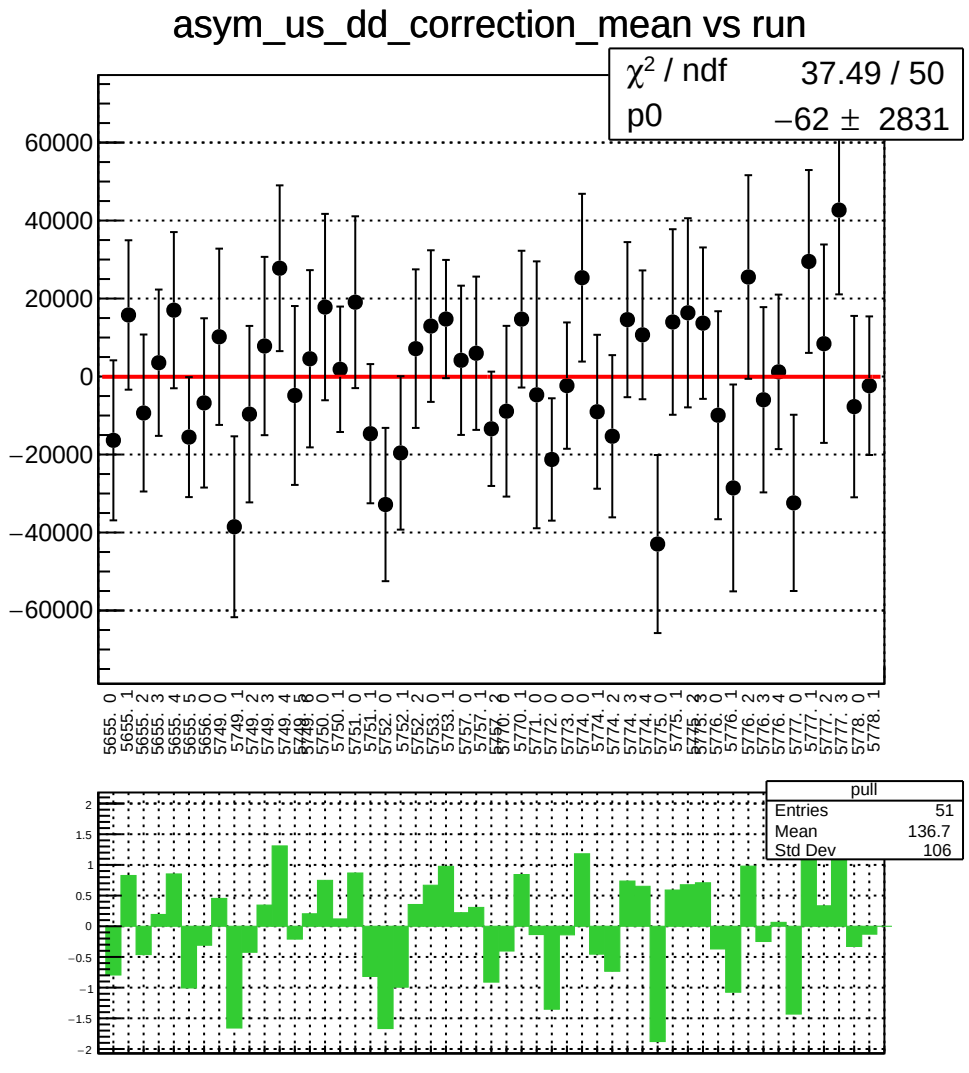

pull1D
Entries 51
Mean −0.02265
Std Dev 0.8679
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

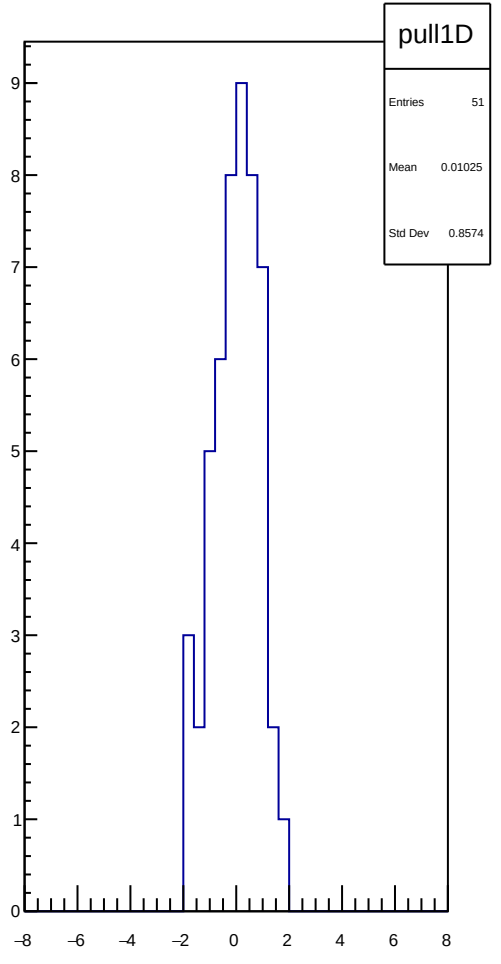

asym_us_avg_rms vs run
χ² / ndf 1.401e+04 / 50
p0 1864 ± 1.837
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773.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

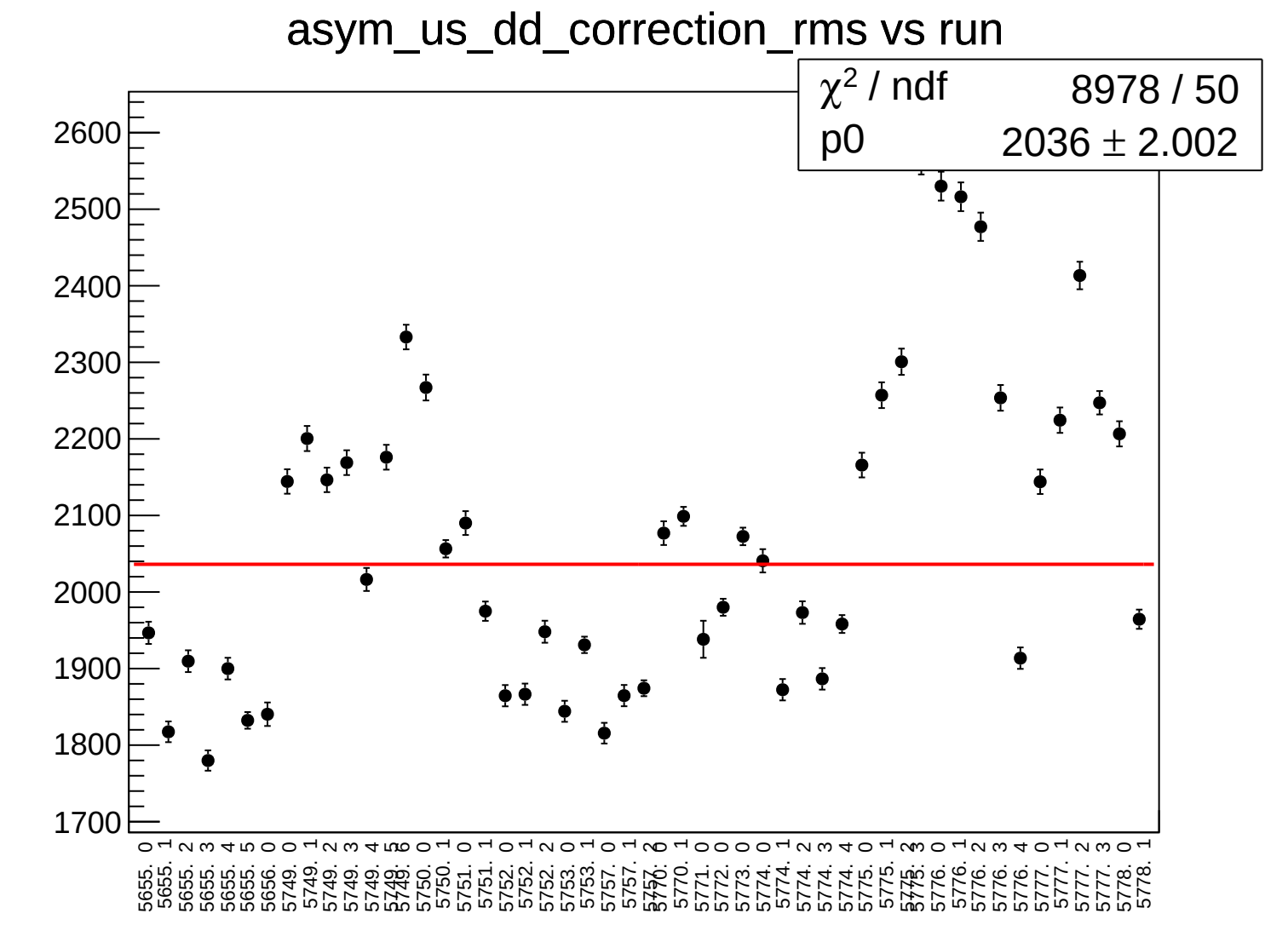

dit_asym_us_dd_mean vs run
χ² / ndf 46.79 / 50
p0 114.1 ± 1068
pull
Entries 51
Mean −133.3
Std Dev 161.6

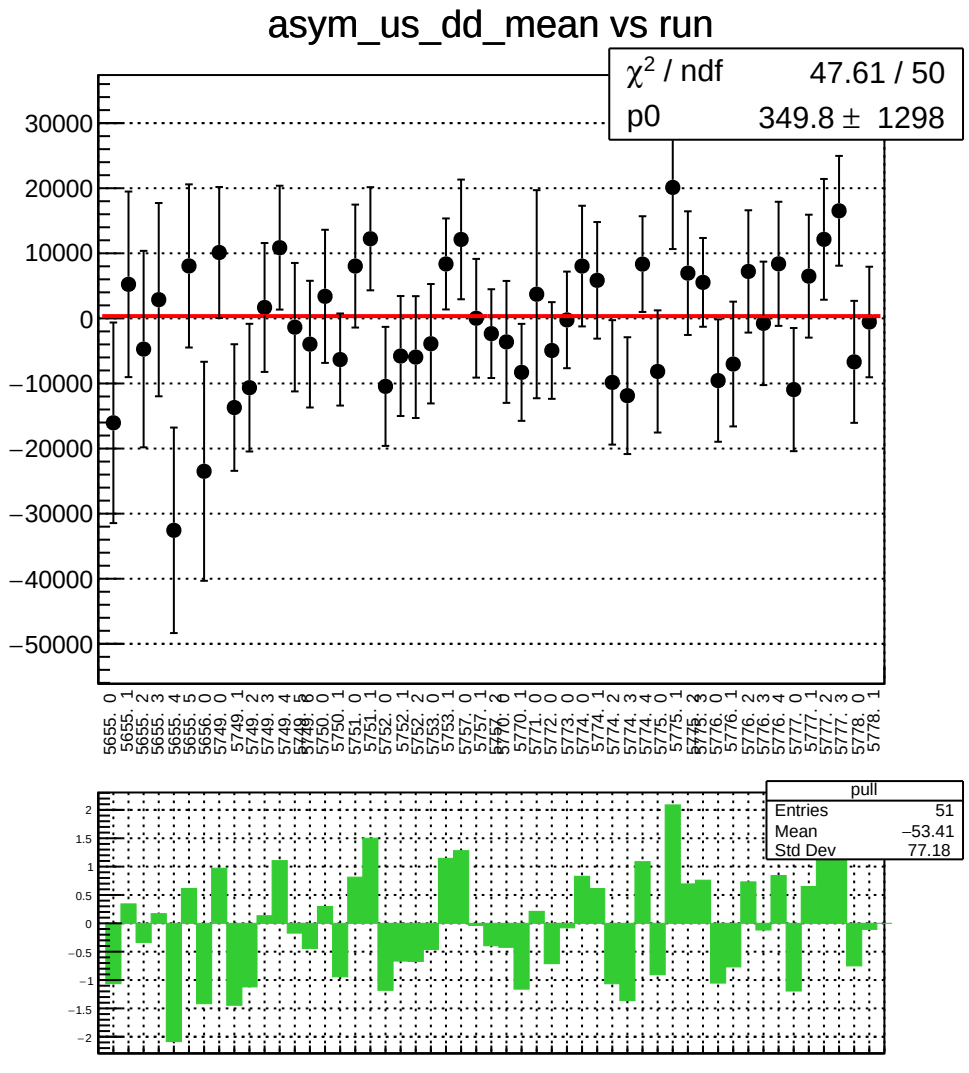

pull1D
Entries 51
Mean −0.01796
Std Dev 0.9576

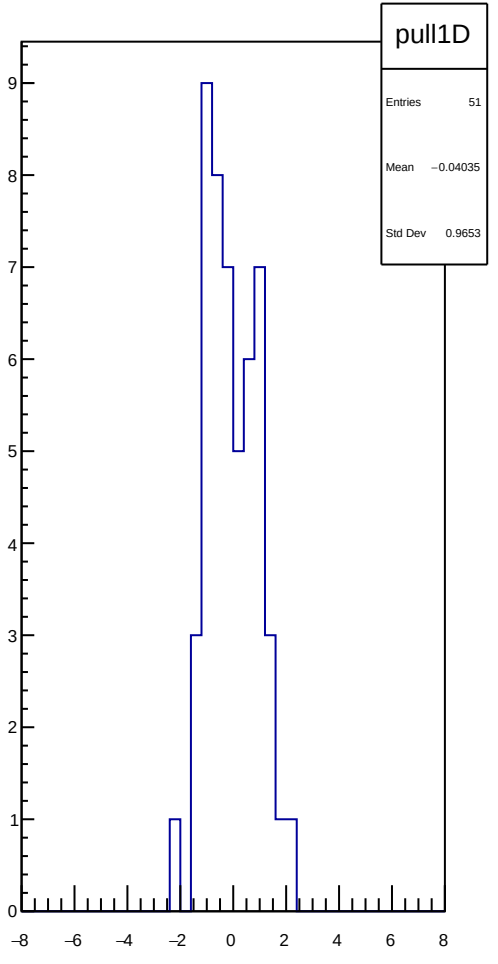

dit_asym_us_dd_rms vs run
χ² / ndf 142 / 50
p0 771.6 ± 0.7553
810
800
790
780
770
760
750
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 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

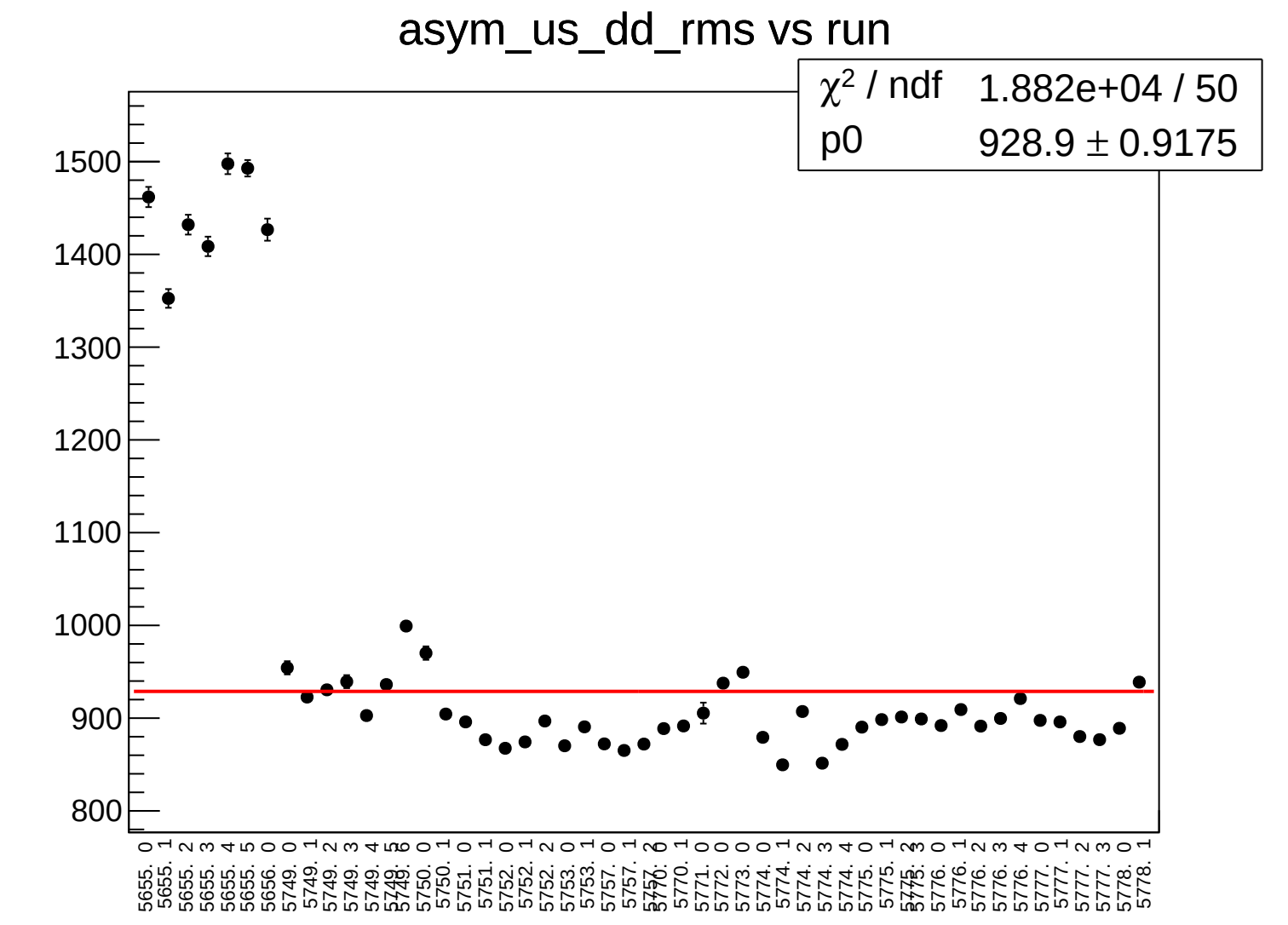

asym_us_dd_correction_mean vs run
χ² / ndf 37.49 / 50
p0 −62 ± 2831
pull
Entries 51
Mean 136.7
Std Dev 106

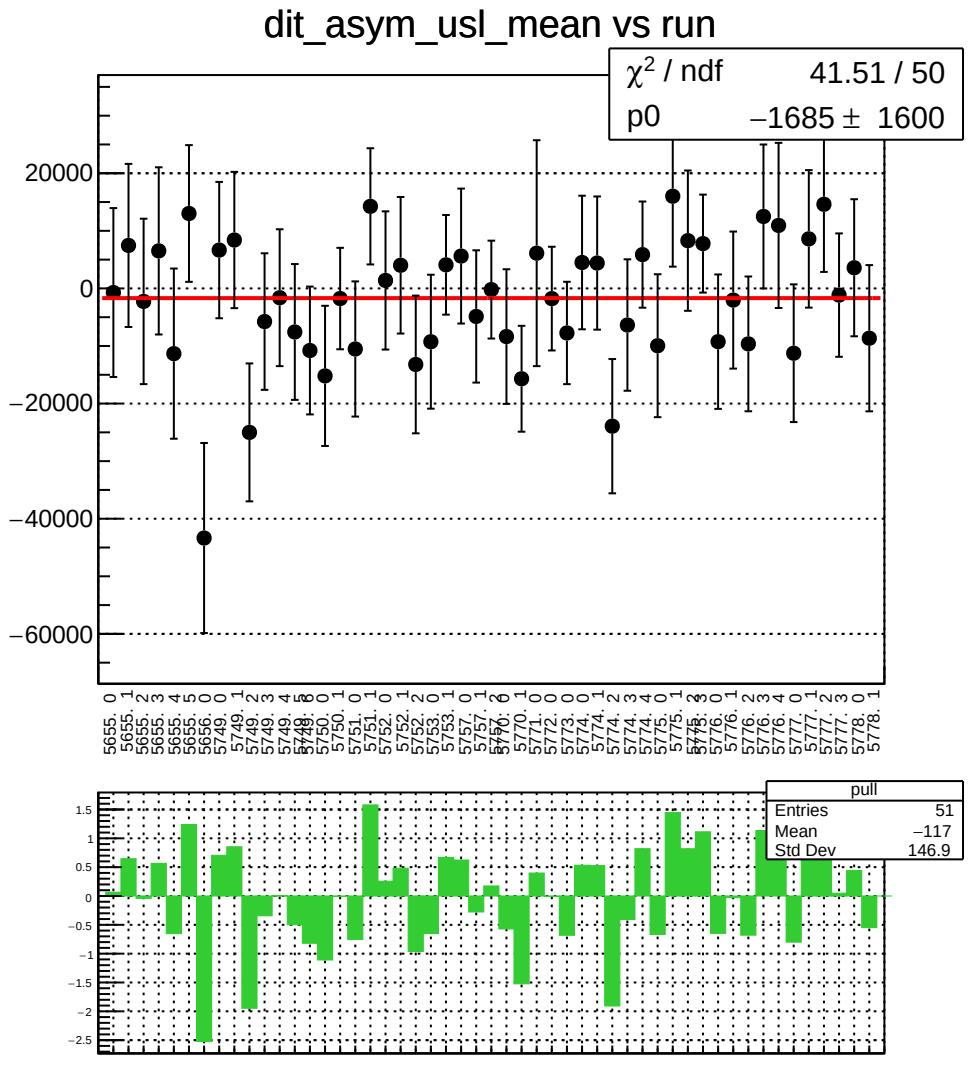

pull1D
Entries 51
Mean 0.01025
Std Dev 0.8574

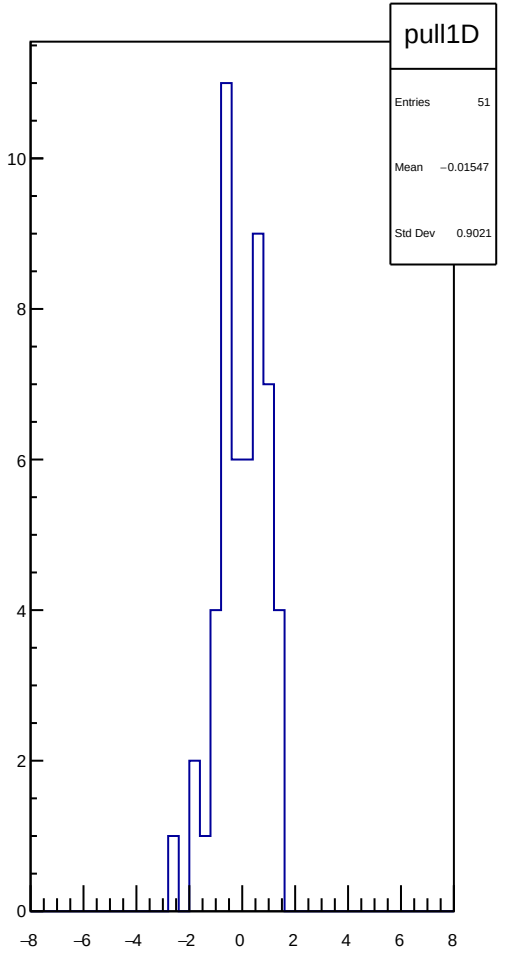

asym_us_dd_correction_rms vs run
χ² / ndf 8978 / 50
p0 2036 ± 2.002
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

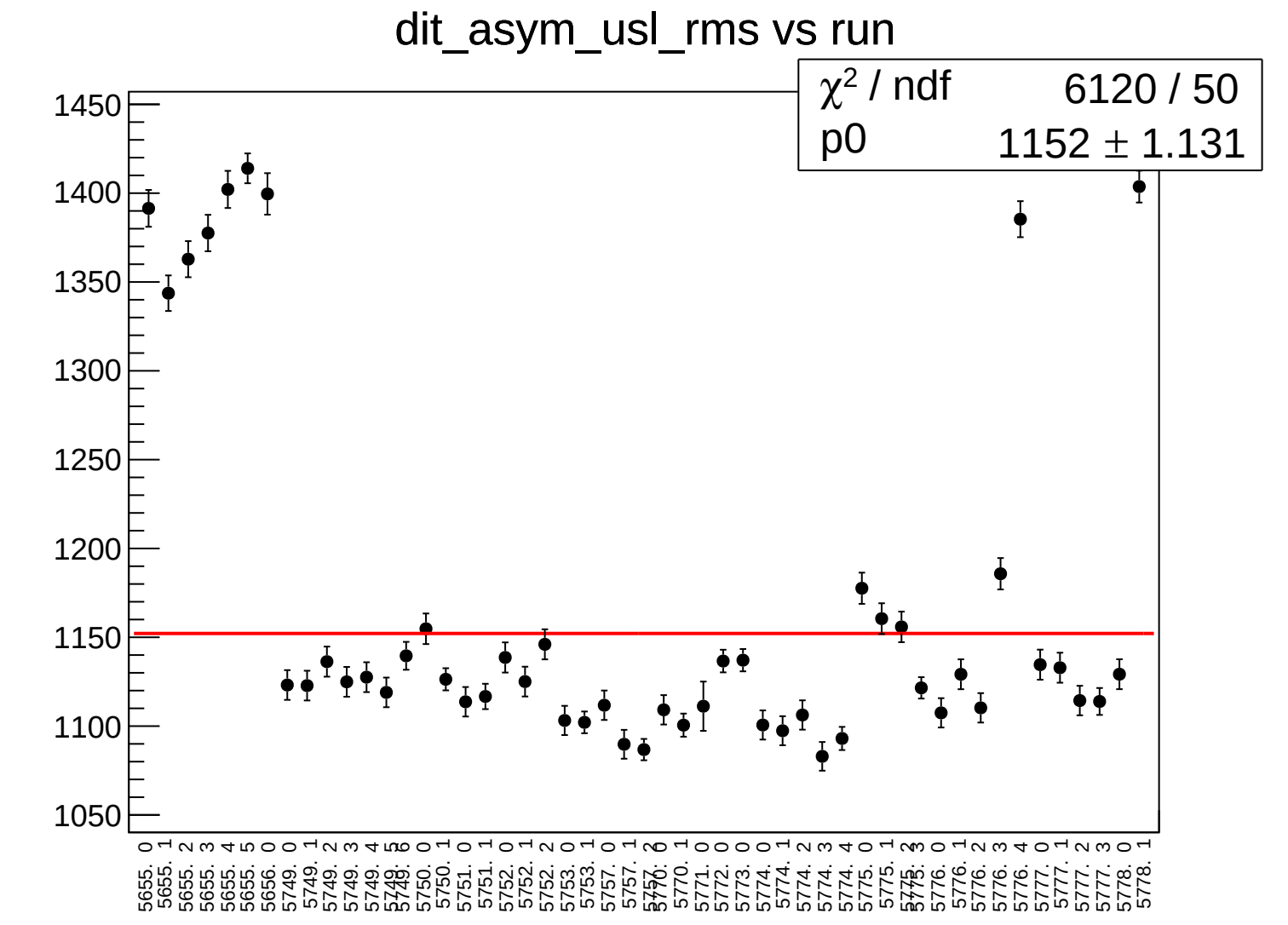

asym_us_dd_mean vs run
χ² / ndf 47.61 / 50
p0 349.8 ± 1298
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 51
Mean −53.41
Std Dev 77.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

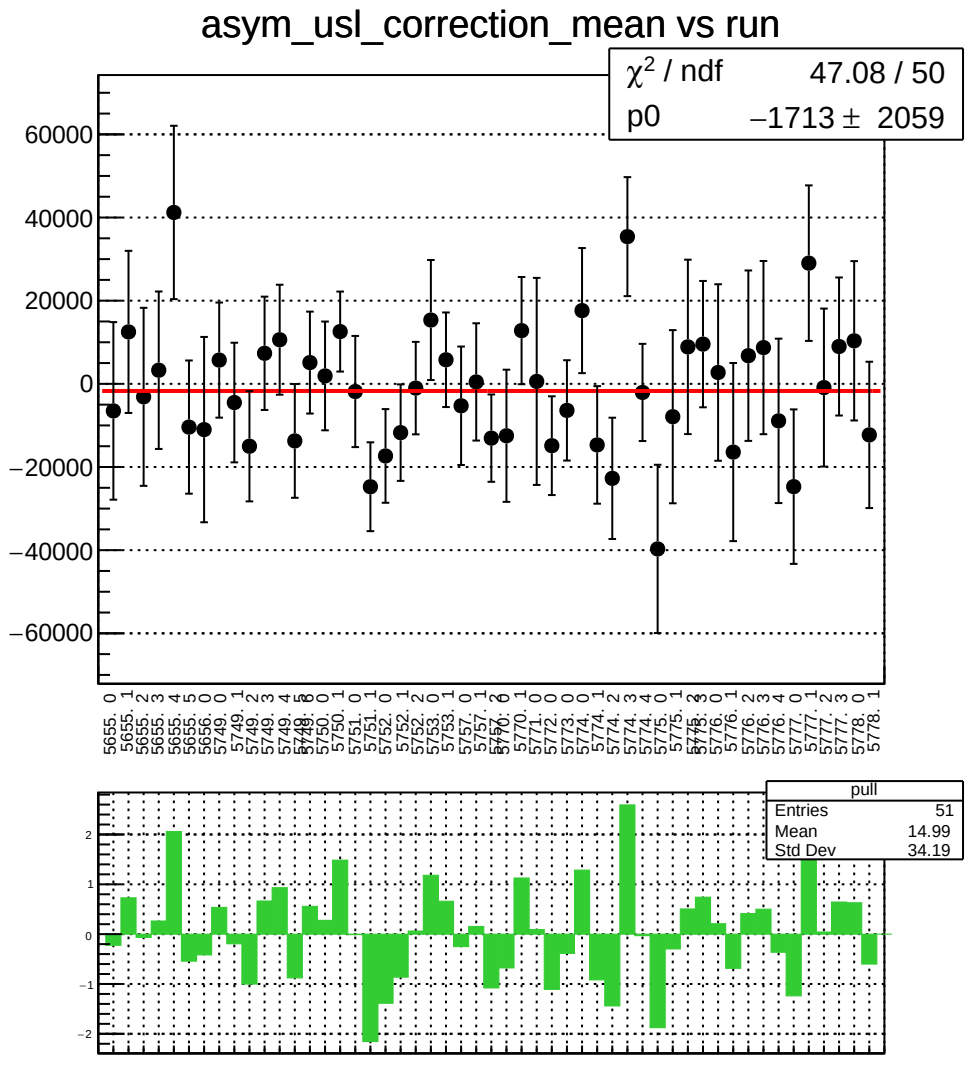

pull1D
Entries 51
Mean −0.04035
Std Dev 0.9653
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

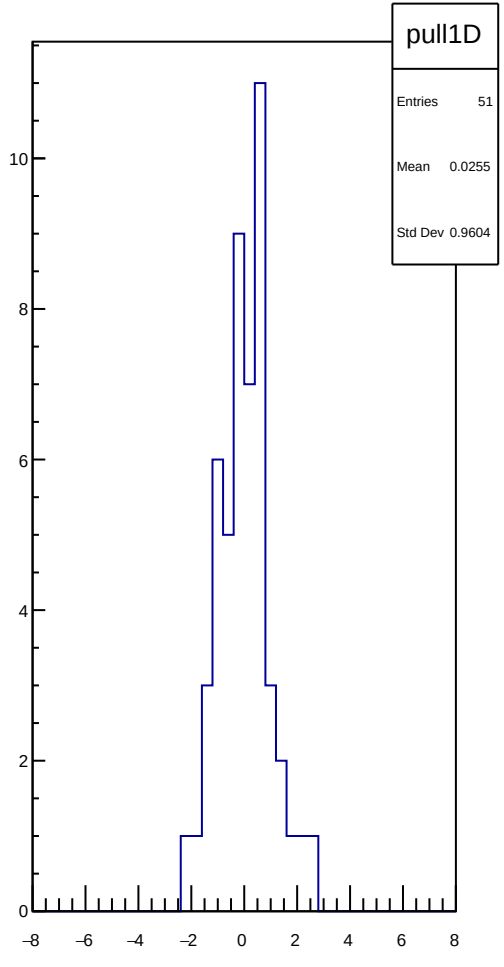

asym_us_dd_rms vs run
χ² / ndf 1.882e+04 / 50
p0 928.9 ± 0.9175
1500
1400
1300
1200
1100
1000
900
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1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

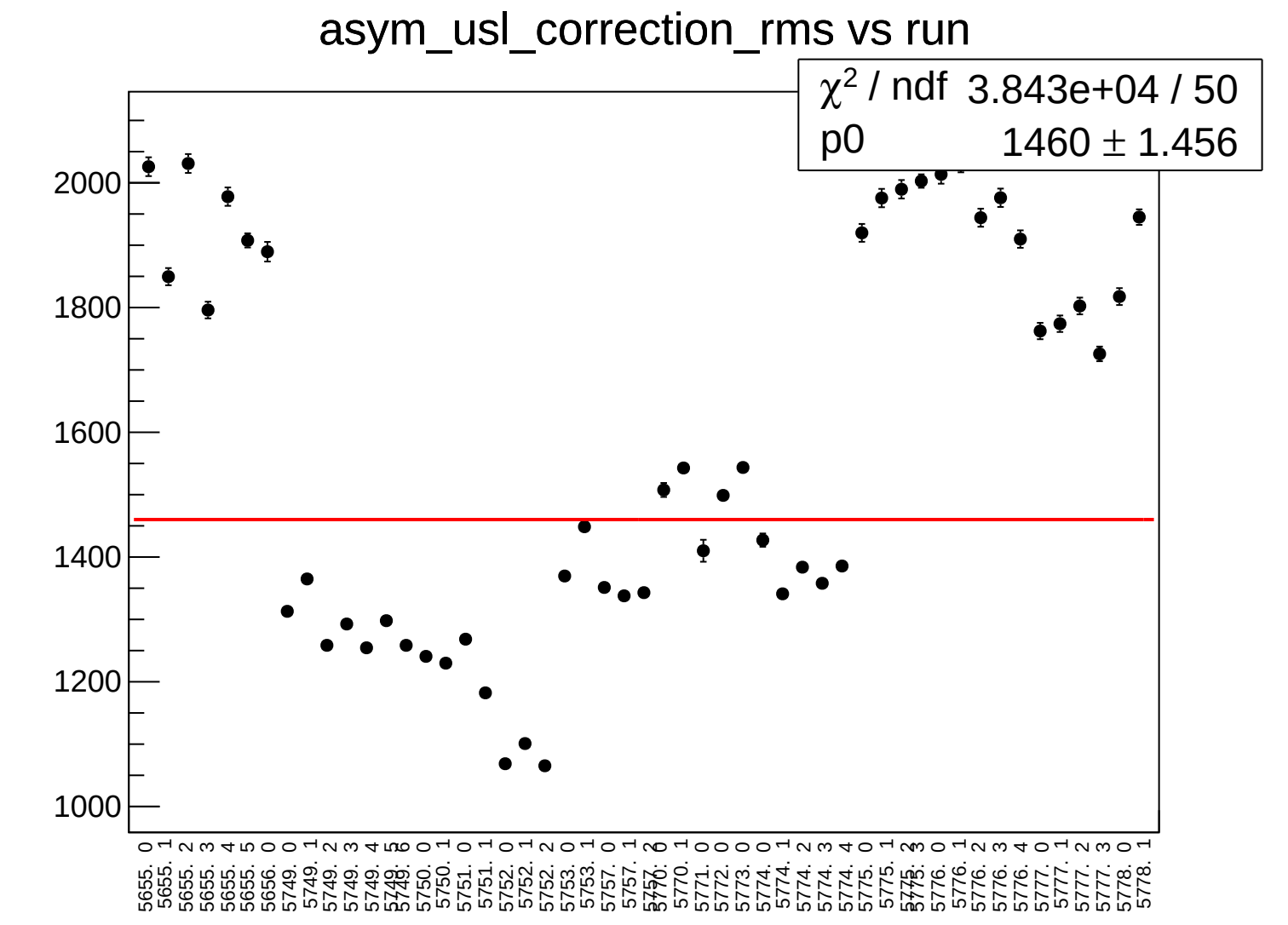

dit_asym_usl_mean vs run
χ² / ndf 41.51 / 50
p0 −1685 ± 1600
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean −117
Std Dev 146.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

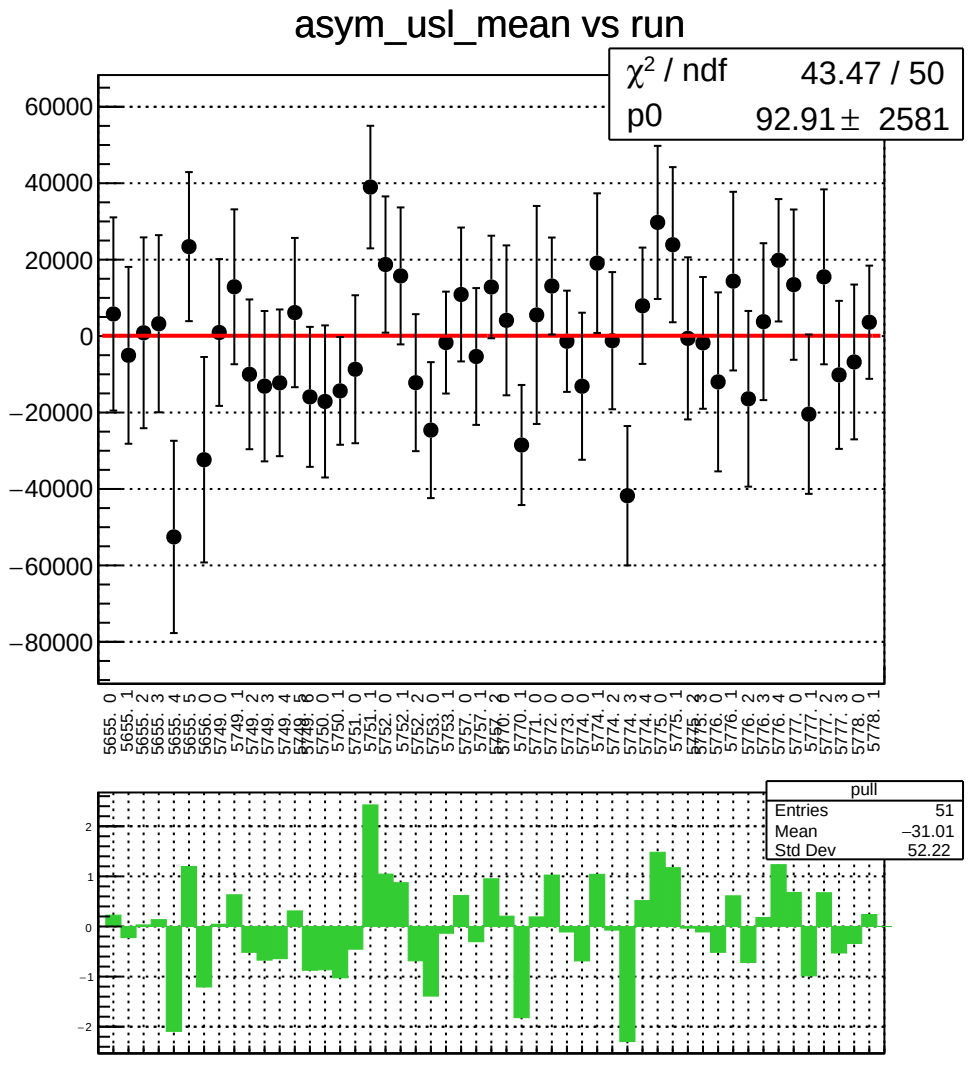

pull1D
Entries 51
Mean −0.01547
Std Dev 0.9021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

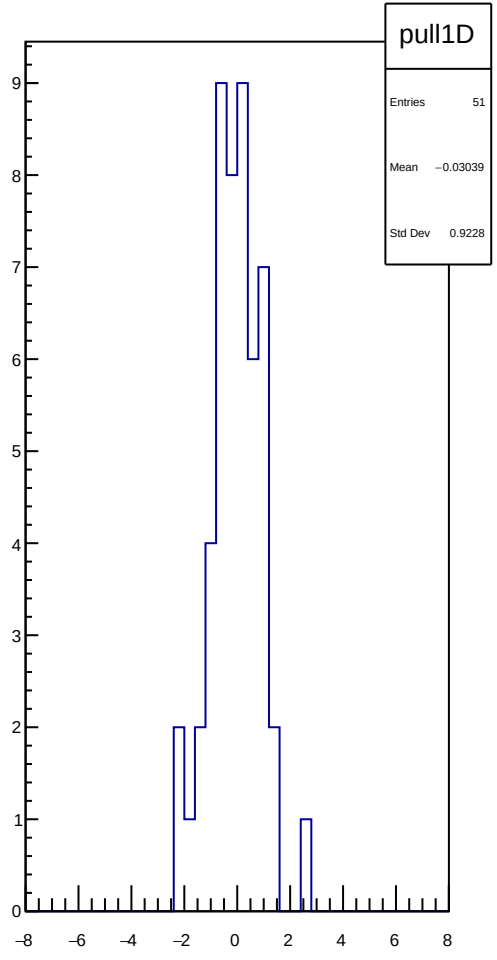

dit_asym_usl_rms vs run
χ² / ndf 6120 / 50
p0 1152 ± 1.131
1450
1400
1350
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 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

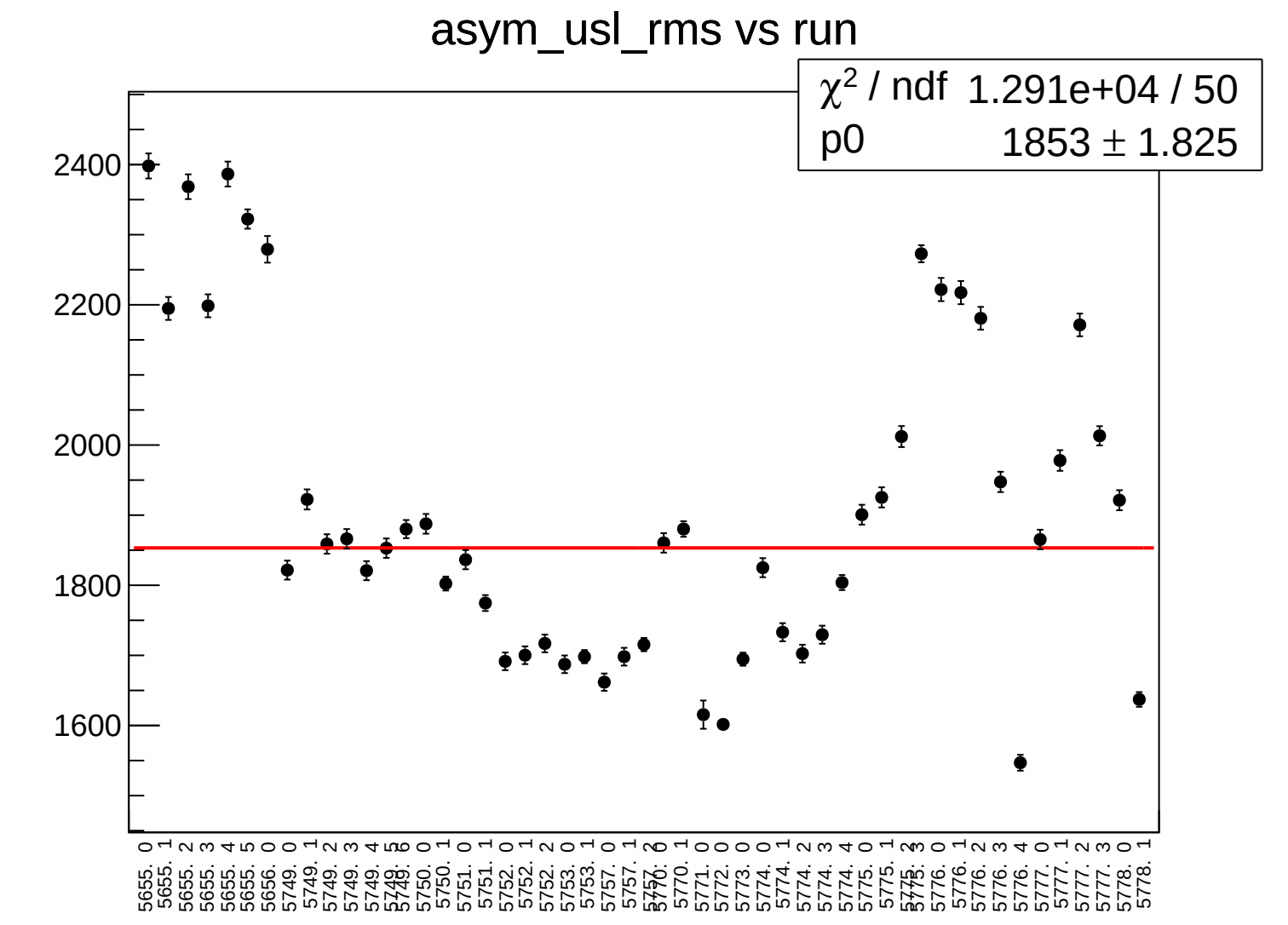

asym_usl_correction_mean vs run
χ² / ndf 47.08 / 50
p0 −1713 ± 2059
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 14.99
Std Dev 34.19
2
1
0
−1
−2

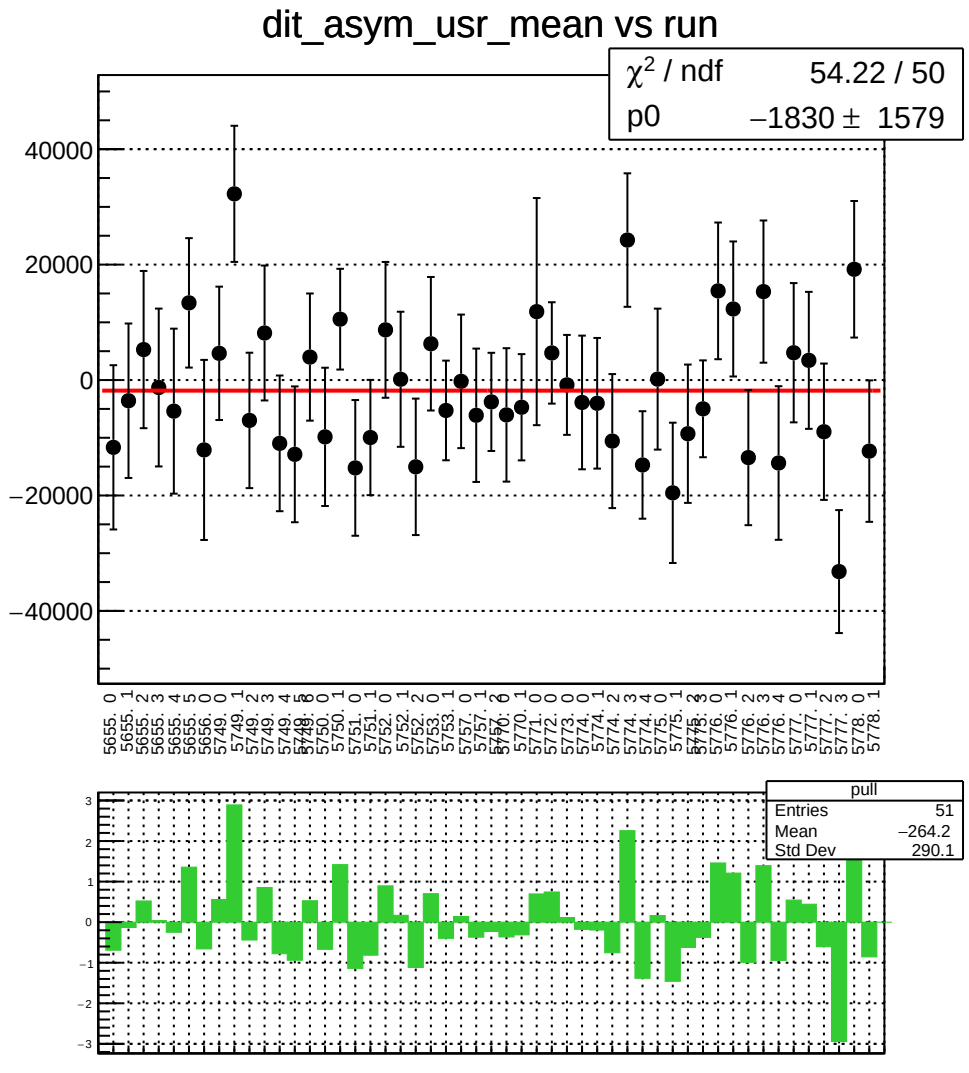

pull1D
Entries 51
Mean 0.0255
Std Dev 0.9604
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

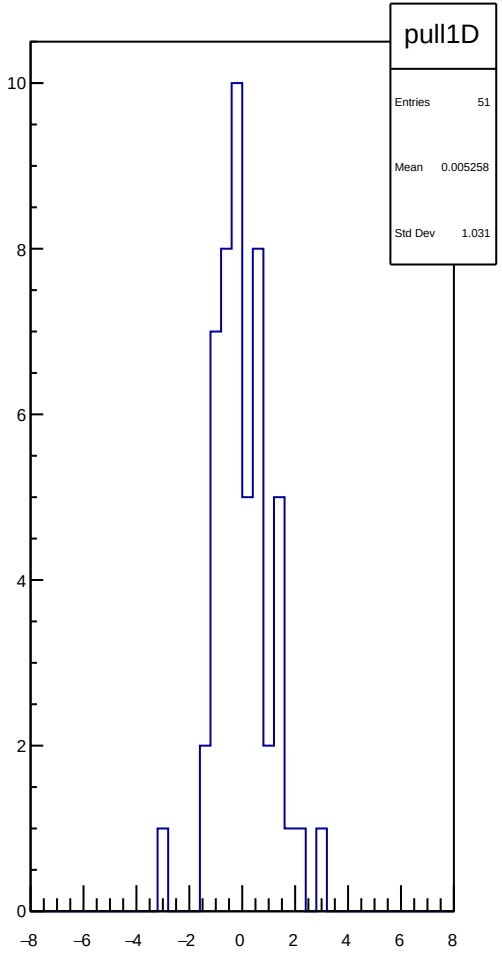

asym_usl_correction_rms vs run
χ² / ndf 3.843e+04 / 50
p0 1460 ± 1.456
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

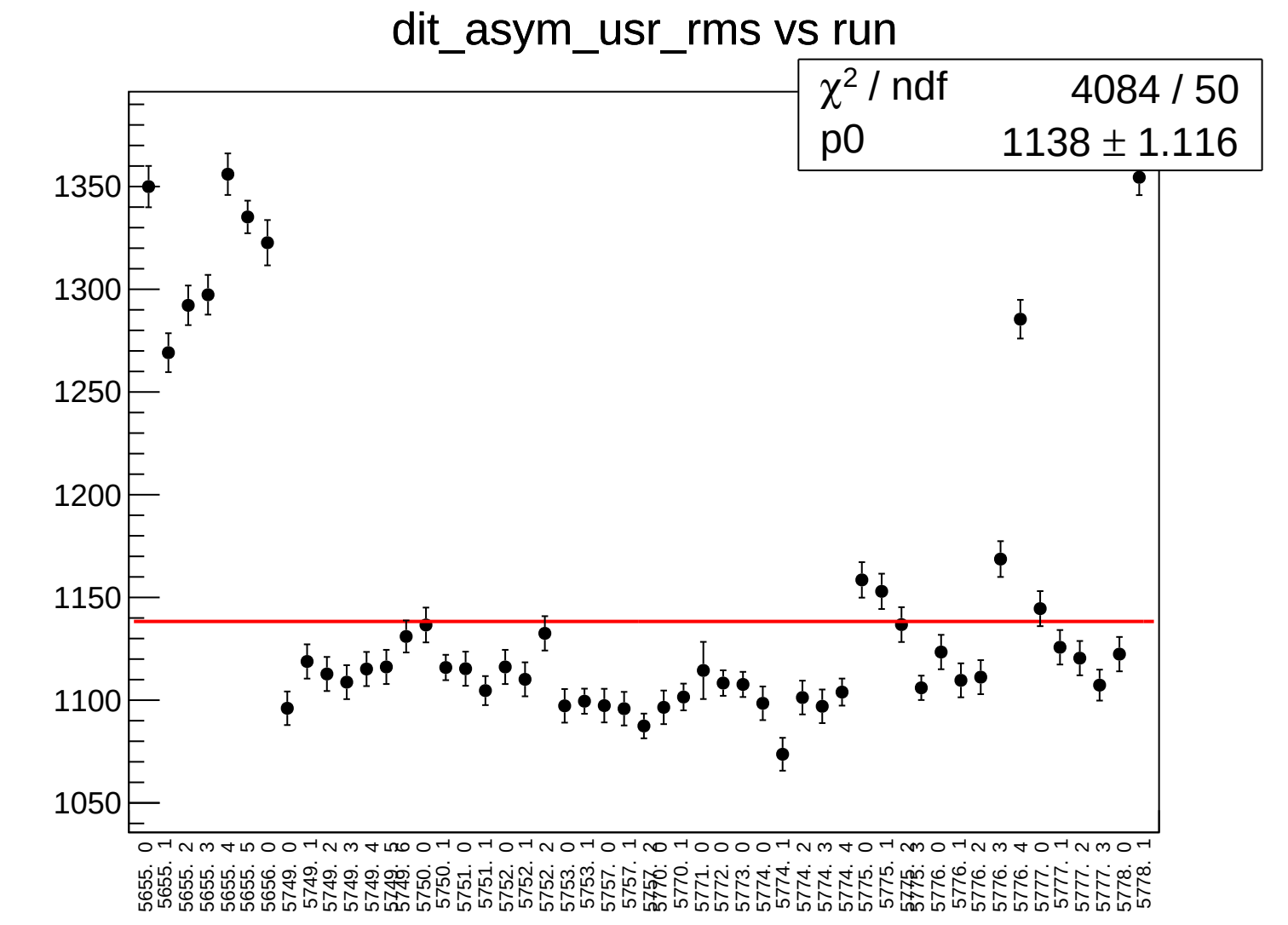

asym_usl_mean vs run
χ² / ndf 43.47 / 50
p0 92.91 ± 2581
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 51
Mean −31.01
Std Dev 52.22
2
1
0
−1
−2

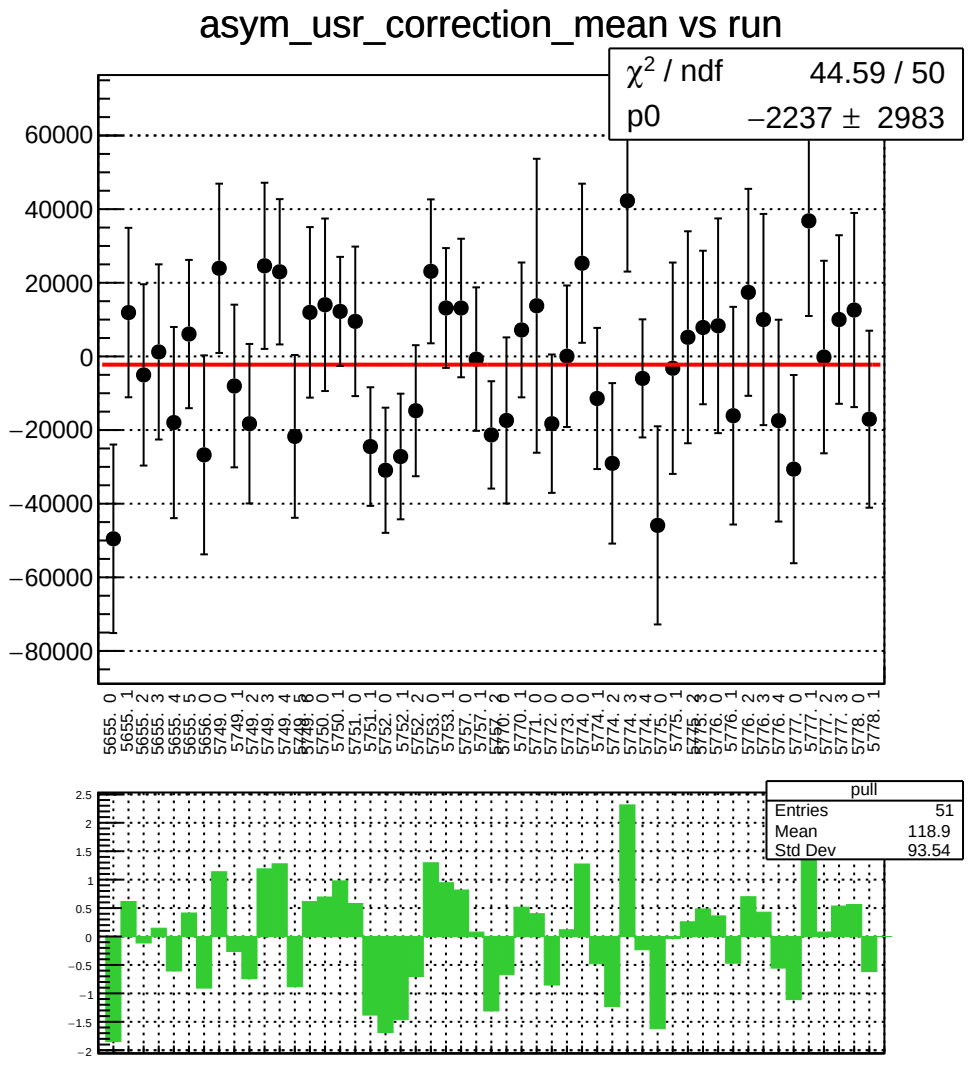

pull1D
Entries 51
Mean −0.03039
Std Dev 0.9228
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

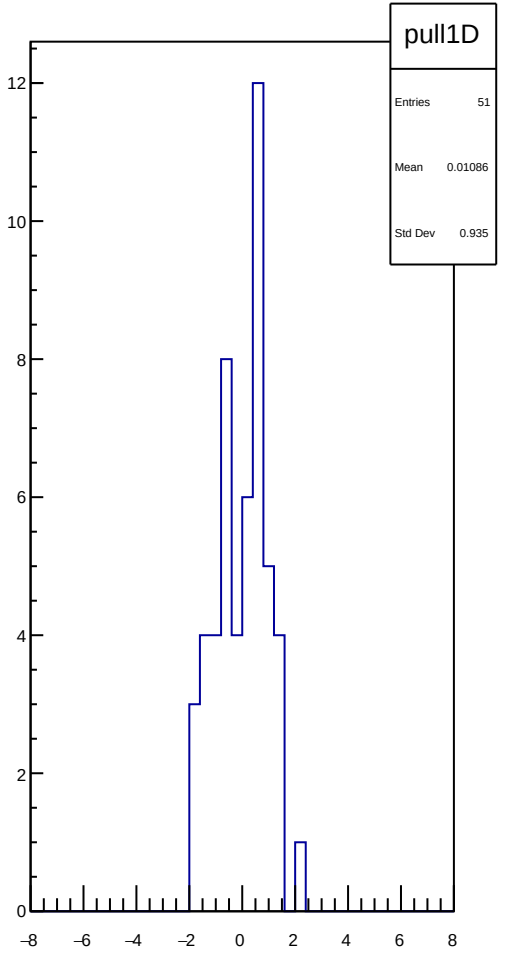

asym_usl_rms vs run
χ² / ndf 1.291e+04 / 50
p0 1853 ± 1.825
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
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

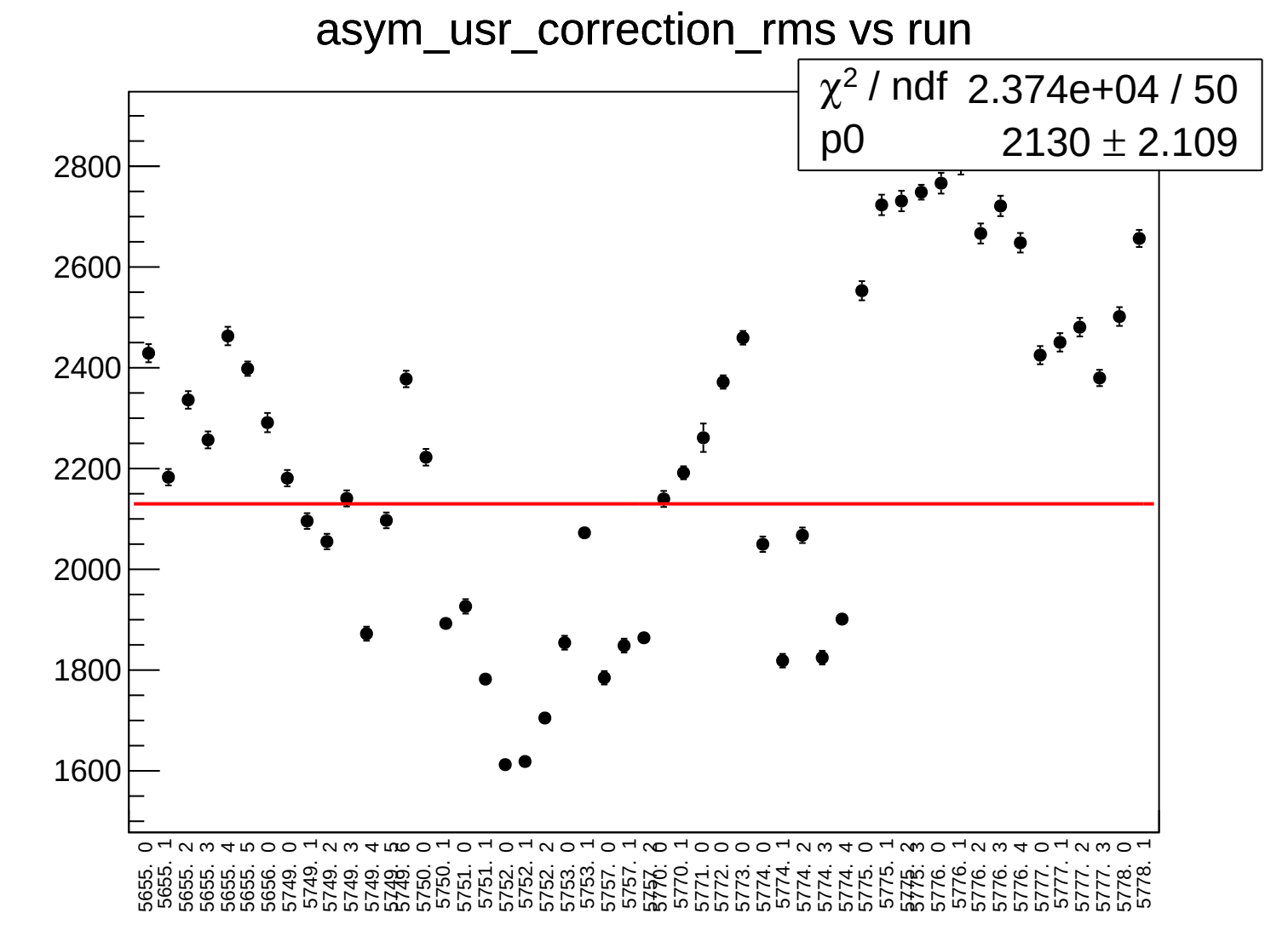

dit_asym_usr_mean vs run
χ² / ndf 54.22 / 50
p0 −1830 ± 1579
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −264.2
Std Dev 290.1
3
2
1
0
−1
−2
−3

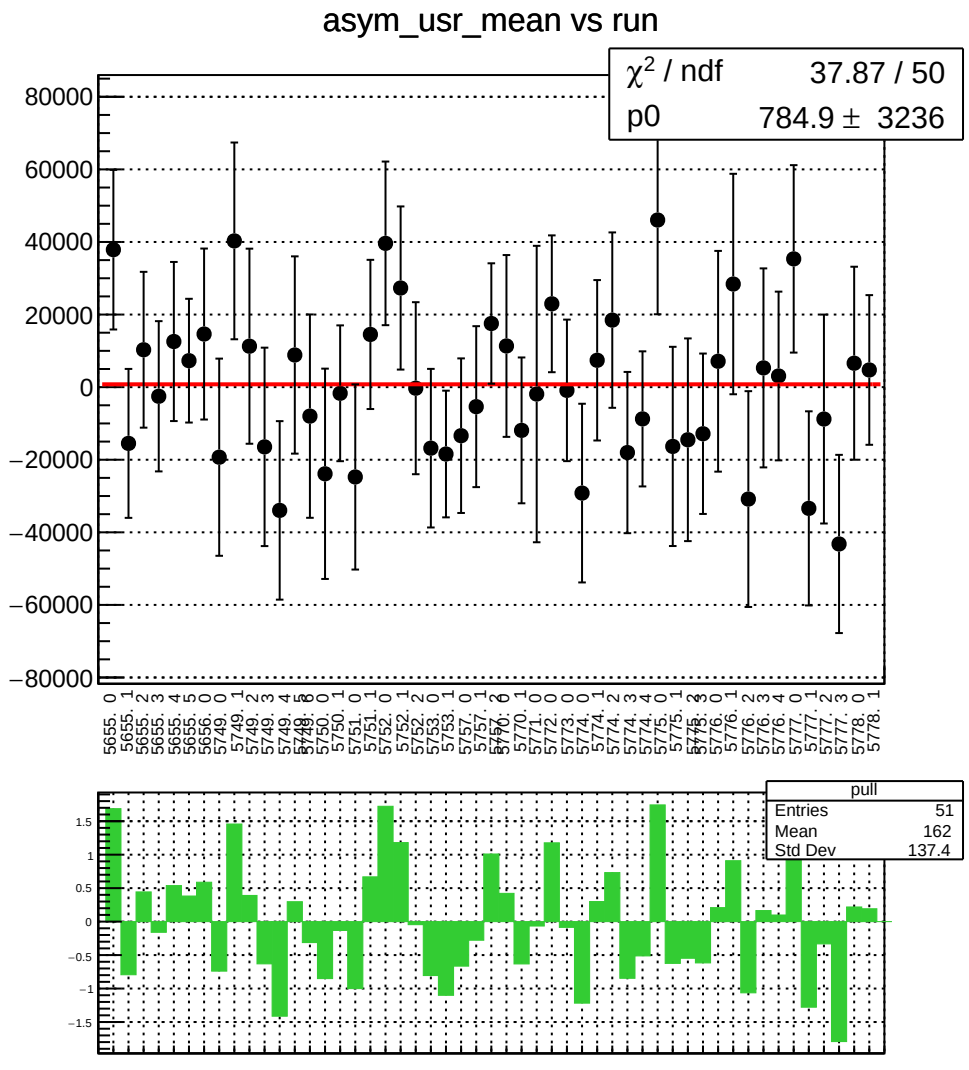

pull1D
Entries 51
Mean 0.005258
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

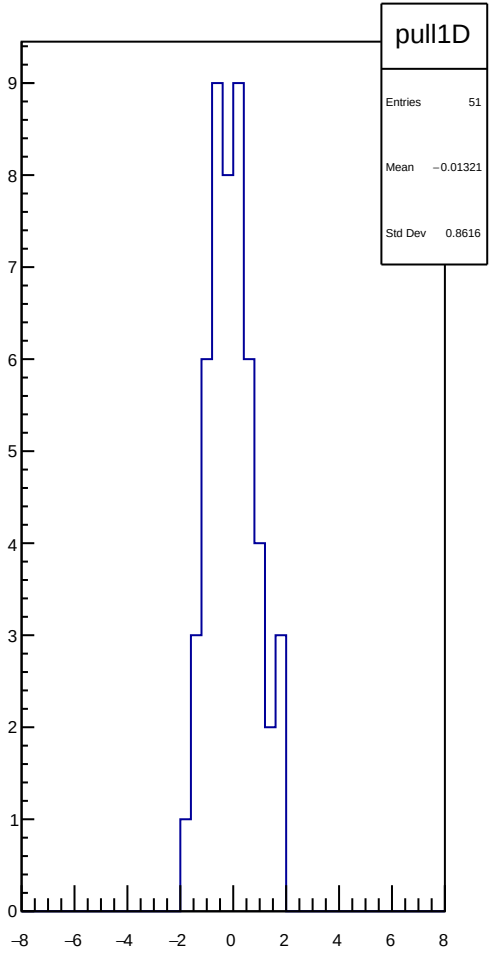

dit_asym_usr_rms vs run
χ² / ndf 4084 / 50
p0 1138 ± 1.116
1350
1300
1250
1200
1150
1100
1050
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
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

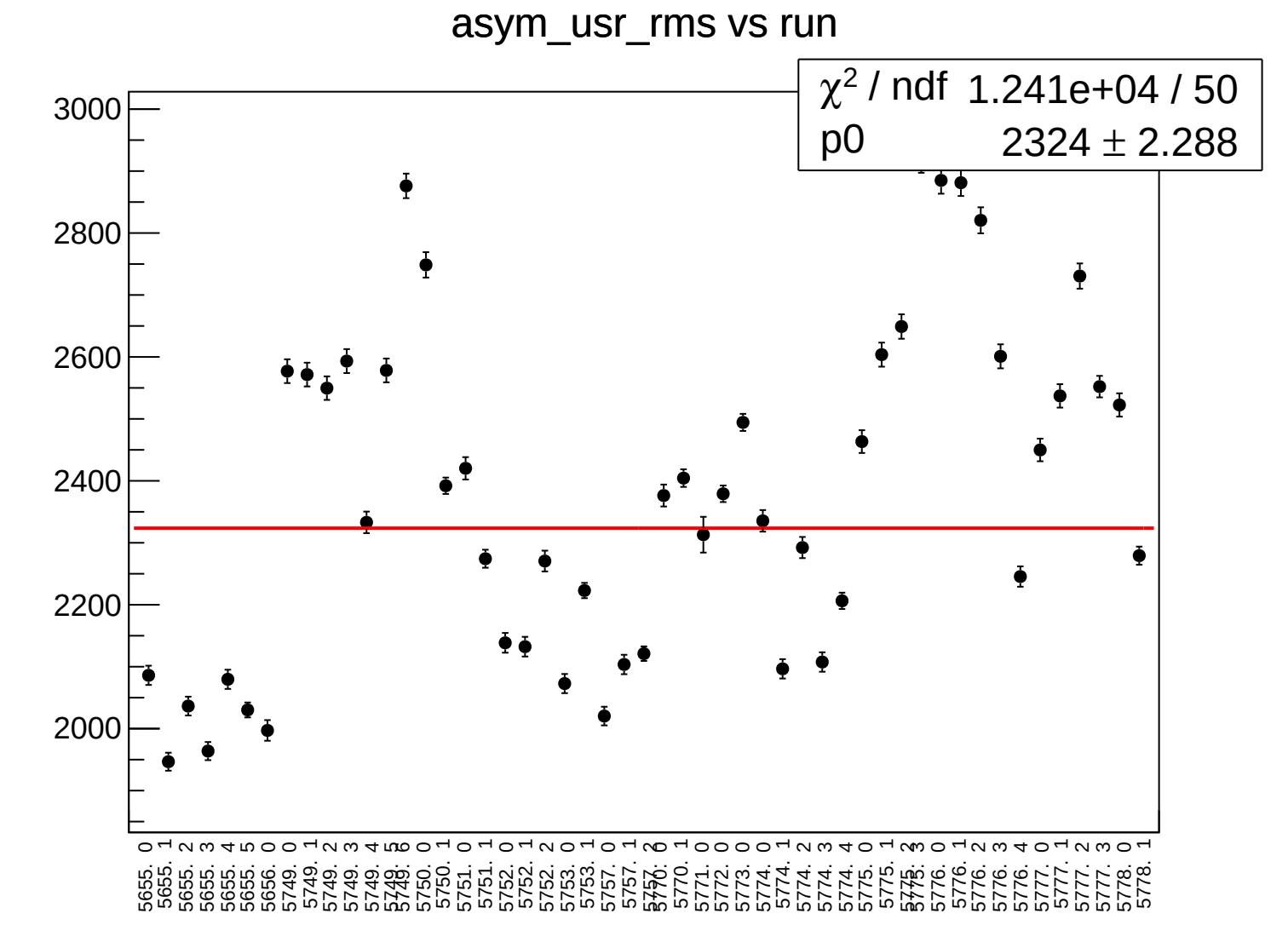

asym_usr_correction_mean vs run
χ² / ndf 44.59 / 50
p0 −2237 ± 2983
pull
Entries 51
Mean 118.9
Std Dev 93.54

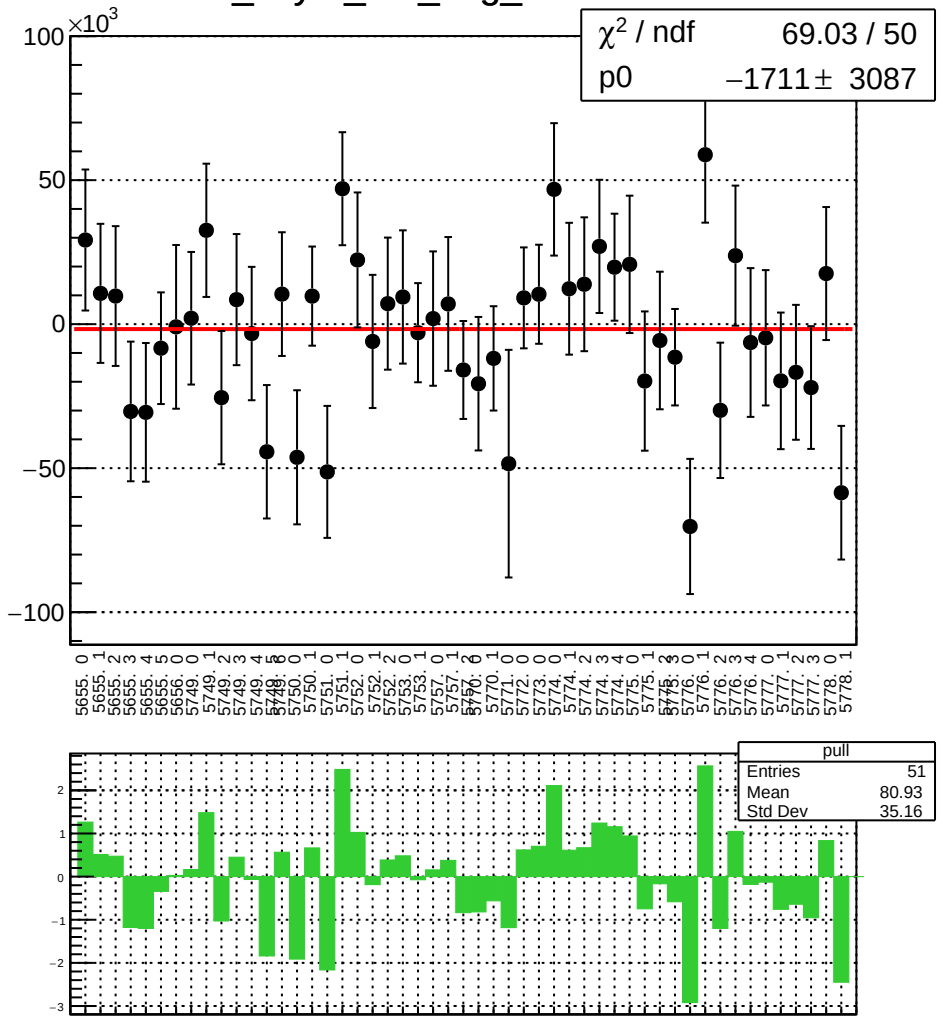

pull1D
Entries 51
Mean 0.01086
Std Dev 0.935

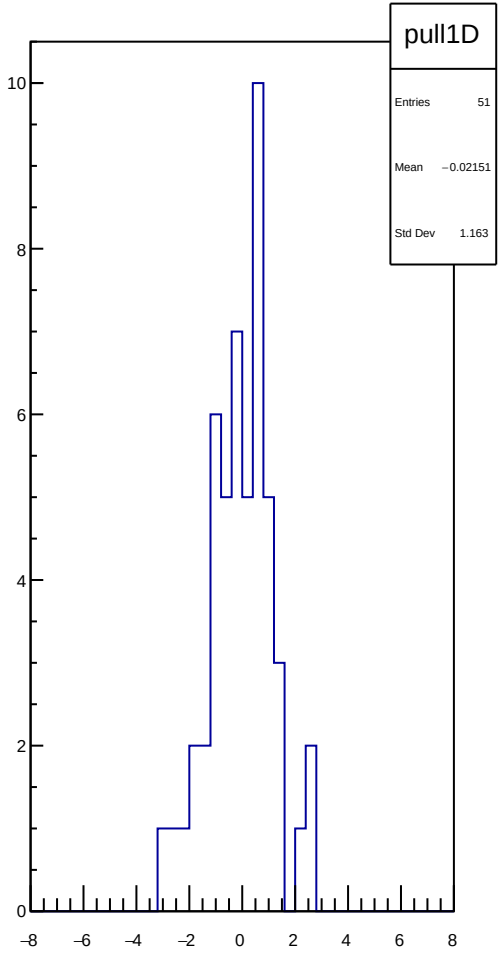

asym_usr_correction_rms vs run
χ² / ndf 2.374e+04 / 50
p0 2130 ± 2.109
2800
2600
2400
2200
2000
1800
1600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

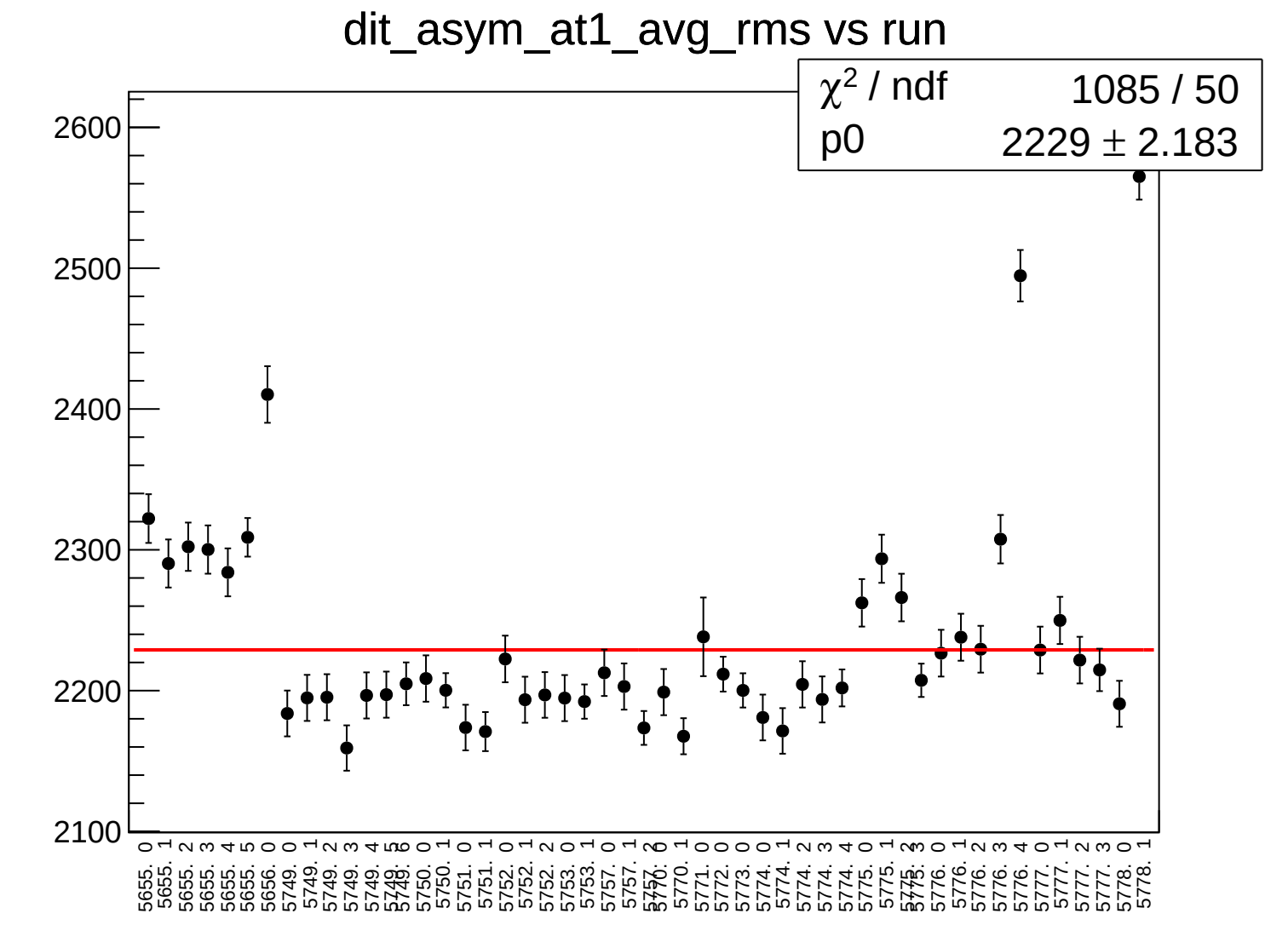

asym_usr_mean vs run
χ² / ndf 37.87 / 50
p0 784.9 ± 3236
pull
Entries 51
Mean 162
Std Dev 137.4

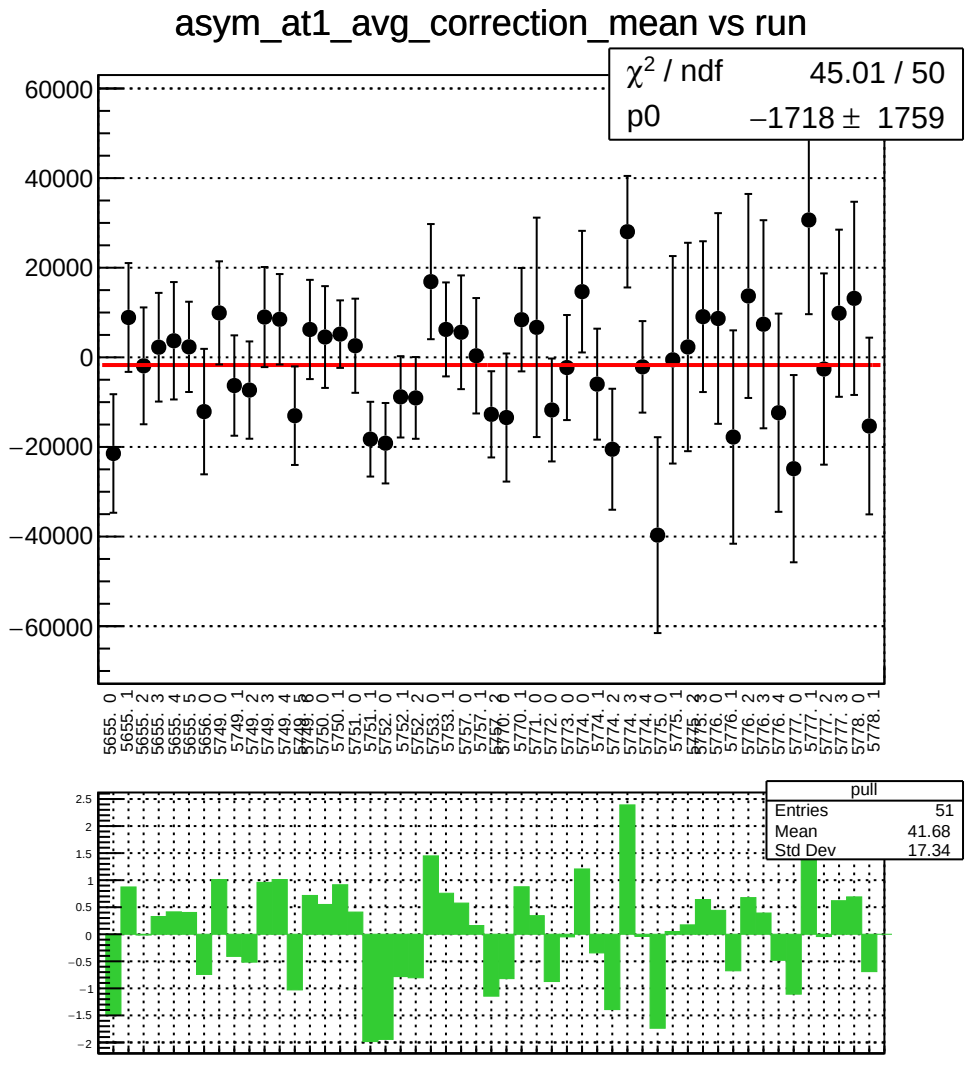

pull1D
Entries 51
Mean −0.01321
Std Dev 0.8616

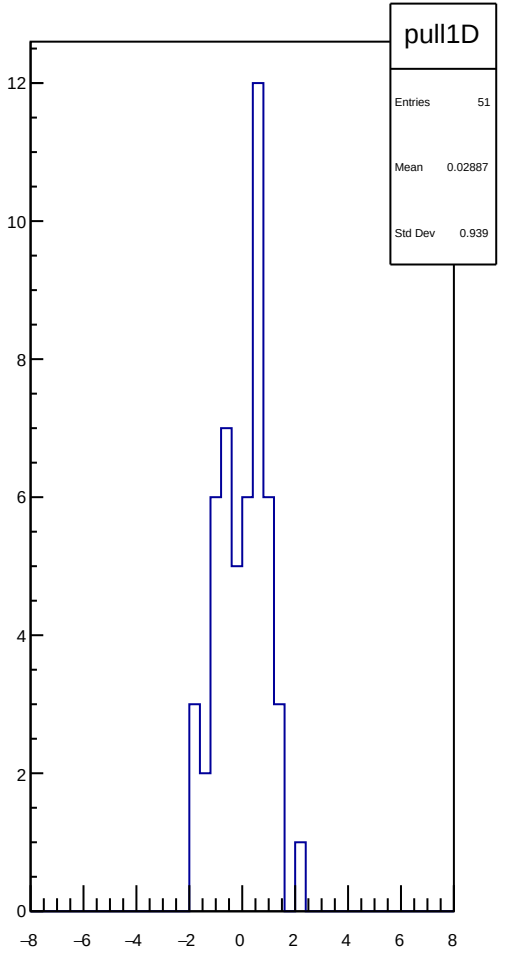

asym_usr_rms vs run
χ² / ndf 1.241e+04 / 50
p0 2324 ± 2.288
3000
2800
2600
2400
2200
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 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
χ² / ndf 69.03 / 50
p0 −1711 ± 3087
×10³
pull
Entries 51
Mean 80.93
Std Dev 35.16

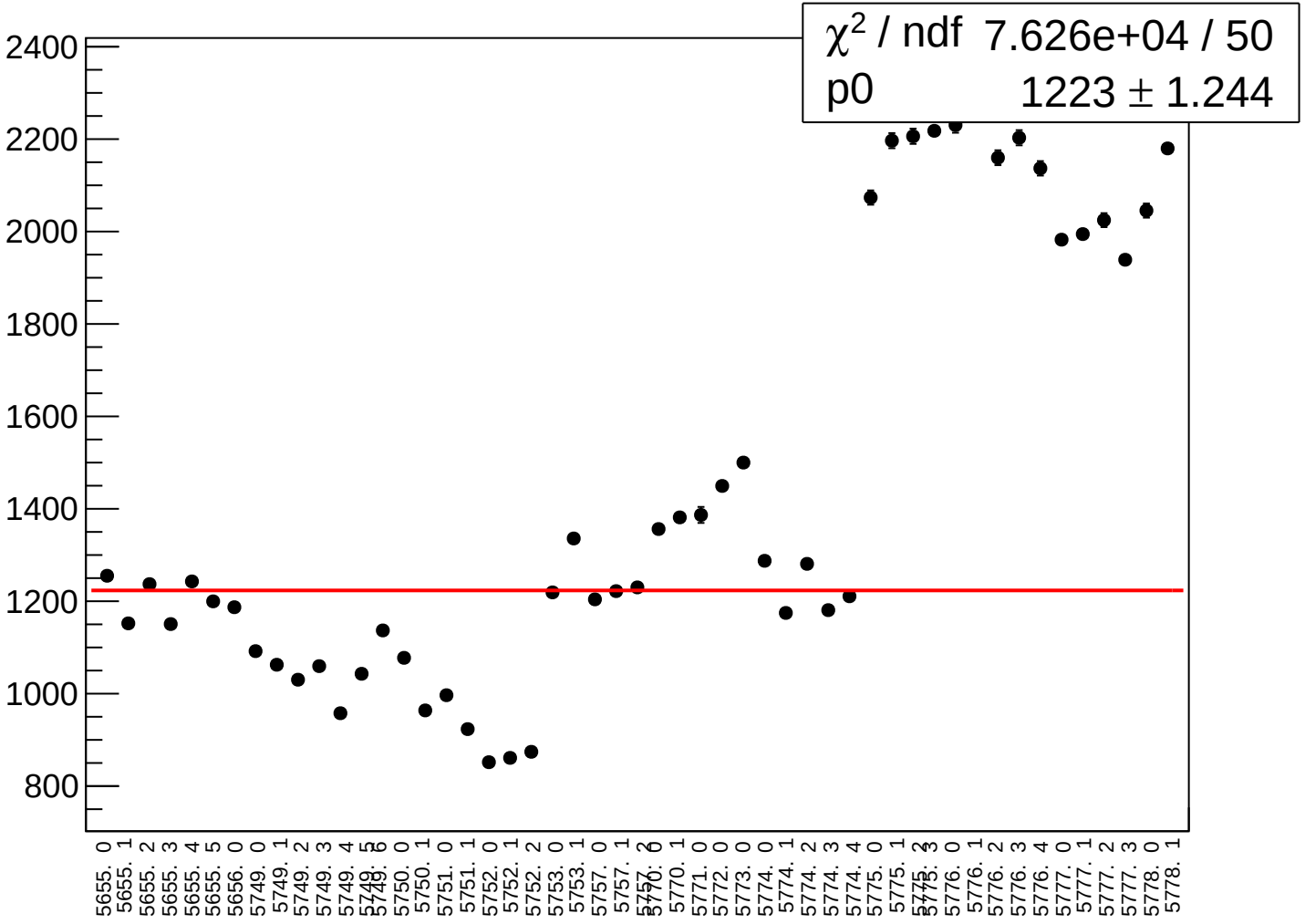

pull1D
Entries 51
Mean −0.02151
Std Dev 1.163

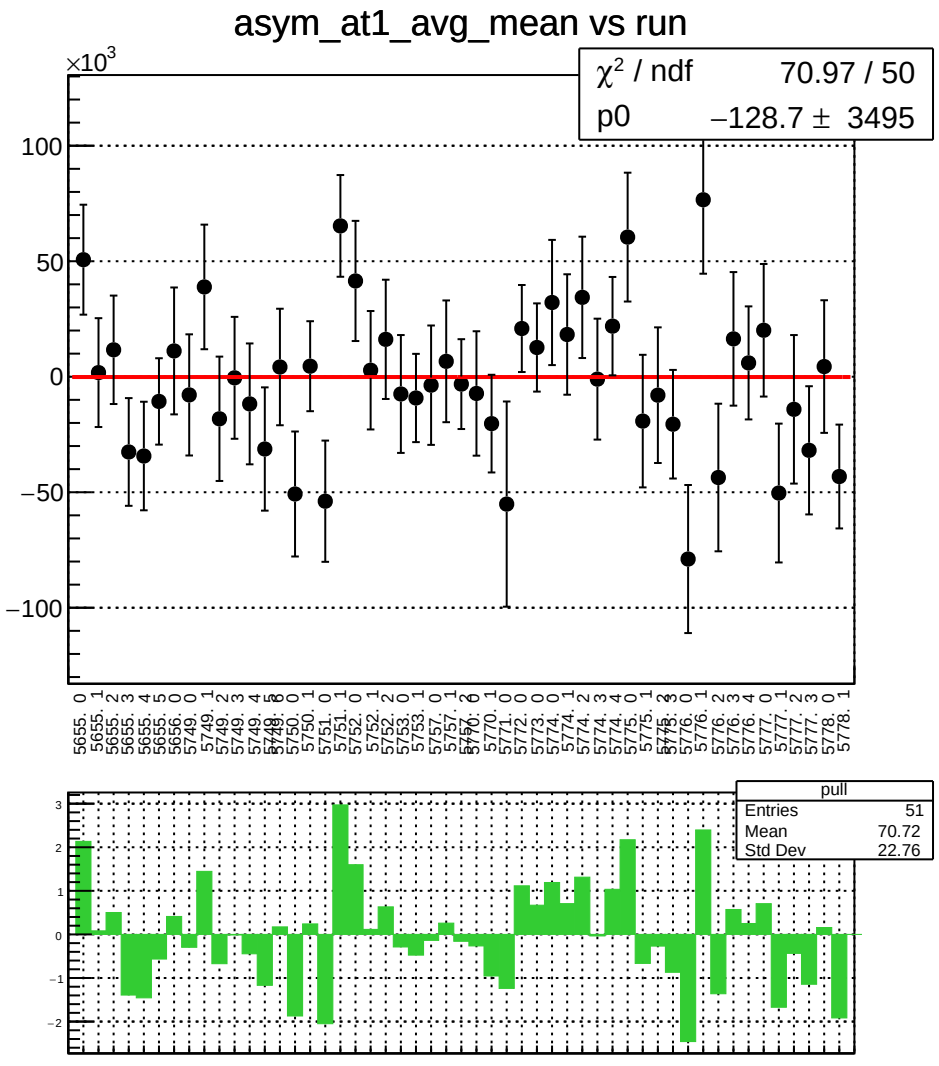

dit_asym_at1_avg_rms vs run
χ² / ndf 1085 / 50
p0 2229 ± 2.183
2600
2500
2400
2300
2200
2100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
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

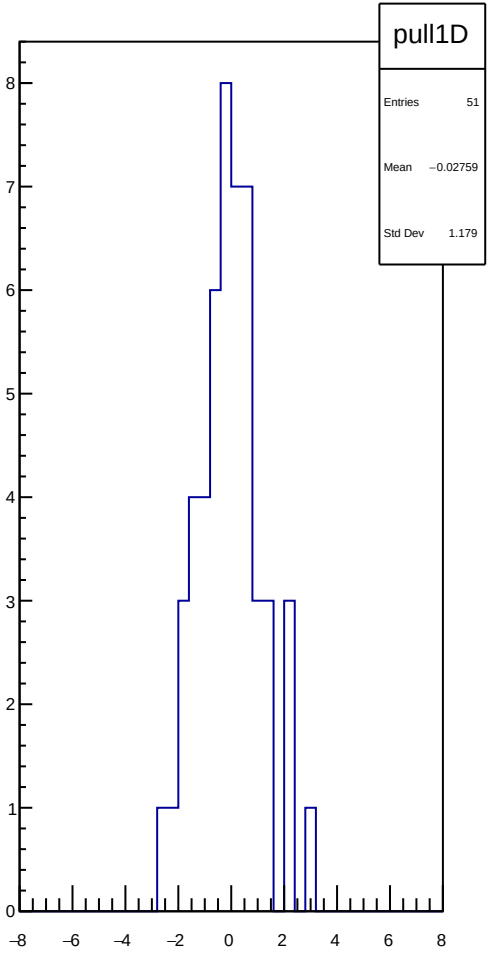

asym_at1_avg_correction_mean vs run
χ² / ndf 45.01 / 50
p0 −1718 ± 1759
pull
Entries 51
Mean 41.68
Std Dev 17.34

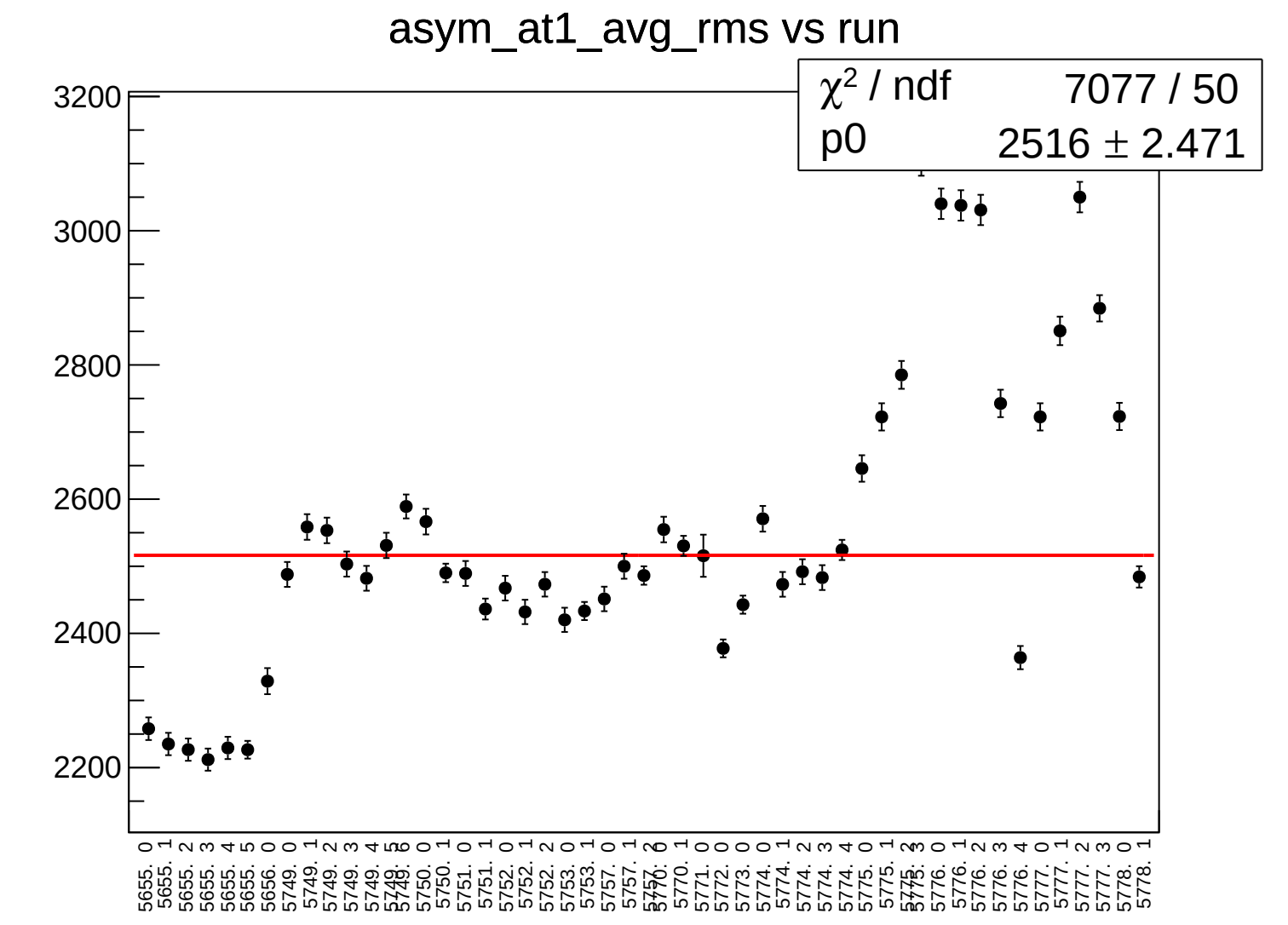

pull1D
Entries 51
Mean 0.02887
Std Dev 0.939

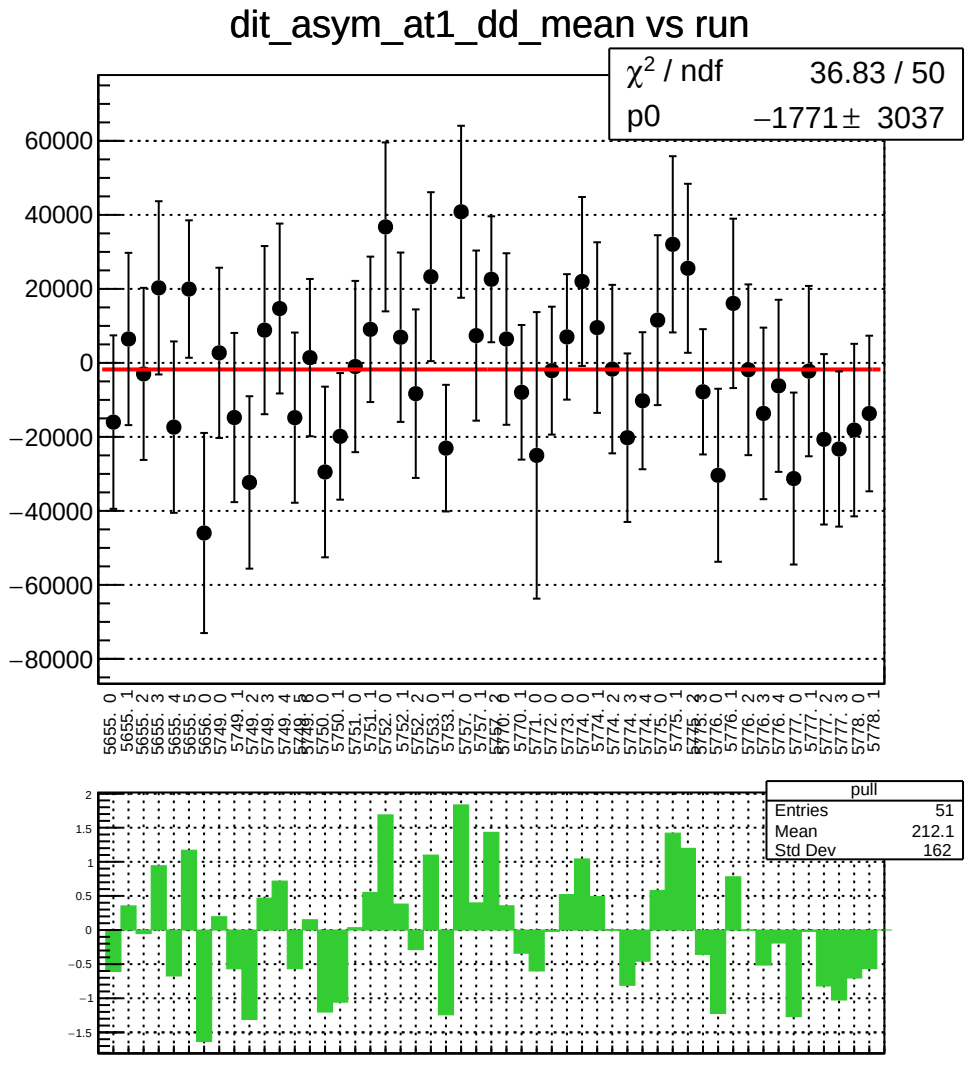
asym_at1_avg_correction_rms vs run

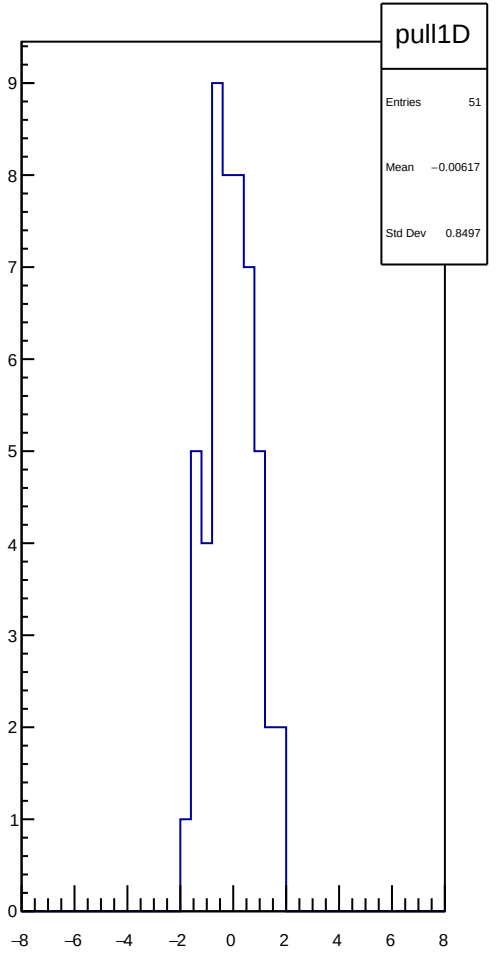


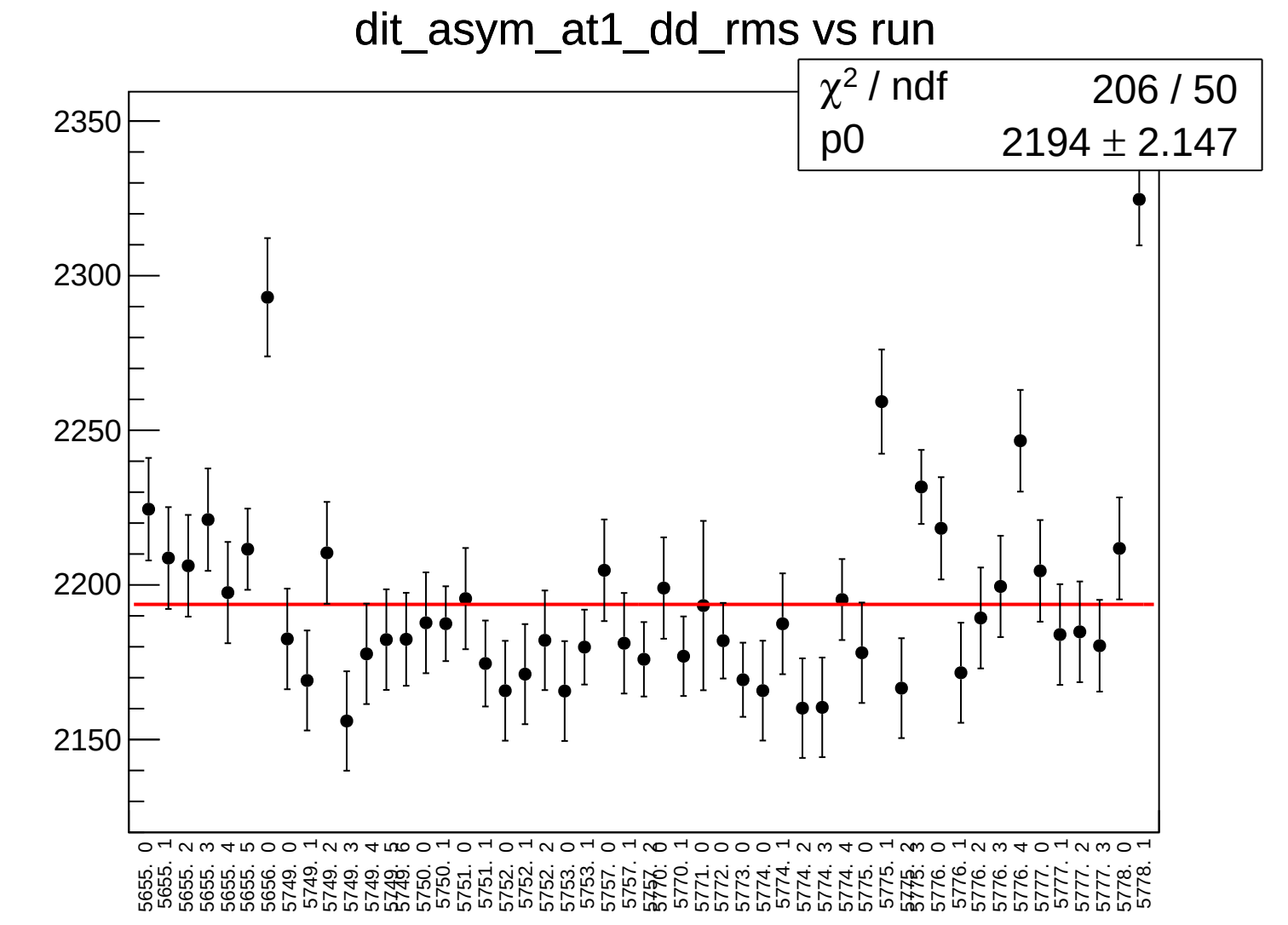

asym_at1_avg_mean vs run
×10^3
χ² / ndf 70.97 / 50
p0 −128.7 ± 3495
100
50
0
−50
−100
pull
Entries 51
Mean 70.72
Std Dev 22.76
3
2
1
0
−1
−2

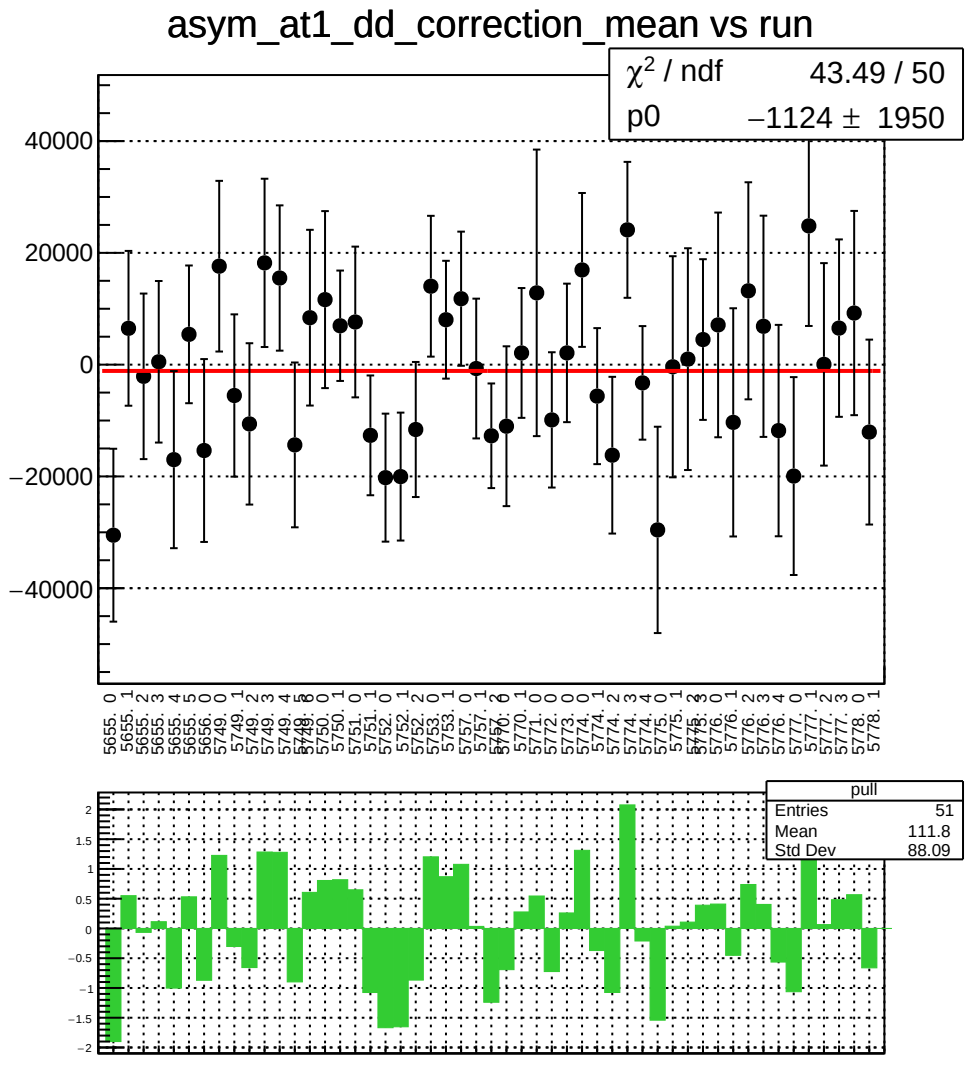

pull1D
Entries 51
Mean −0.02759
Std Dev 1.179
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

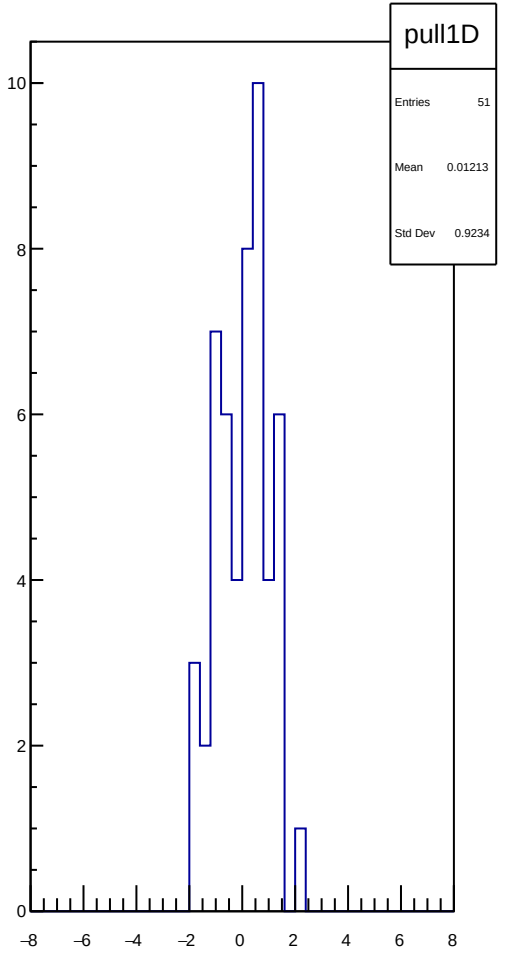

asym_at1_avg_rms vs run
χ² / ndf 7077 / 50
p0 2516 ± 2.471
3200
3000
2800
2600
2400
2200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771.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

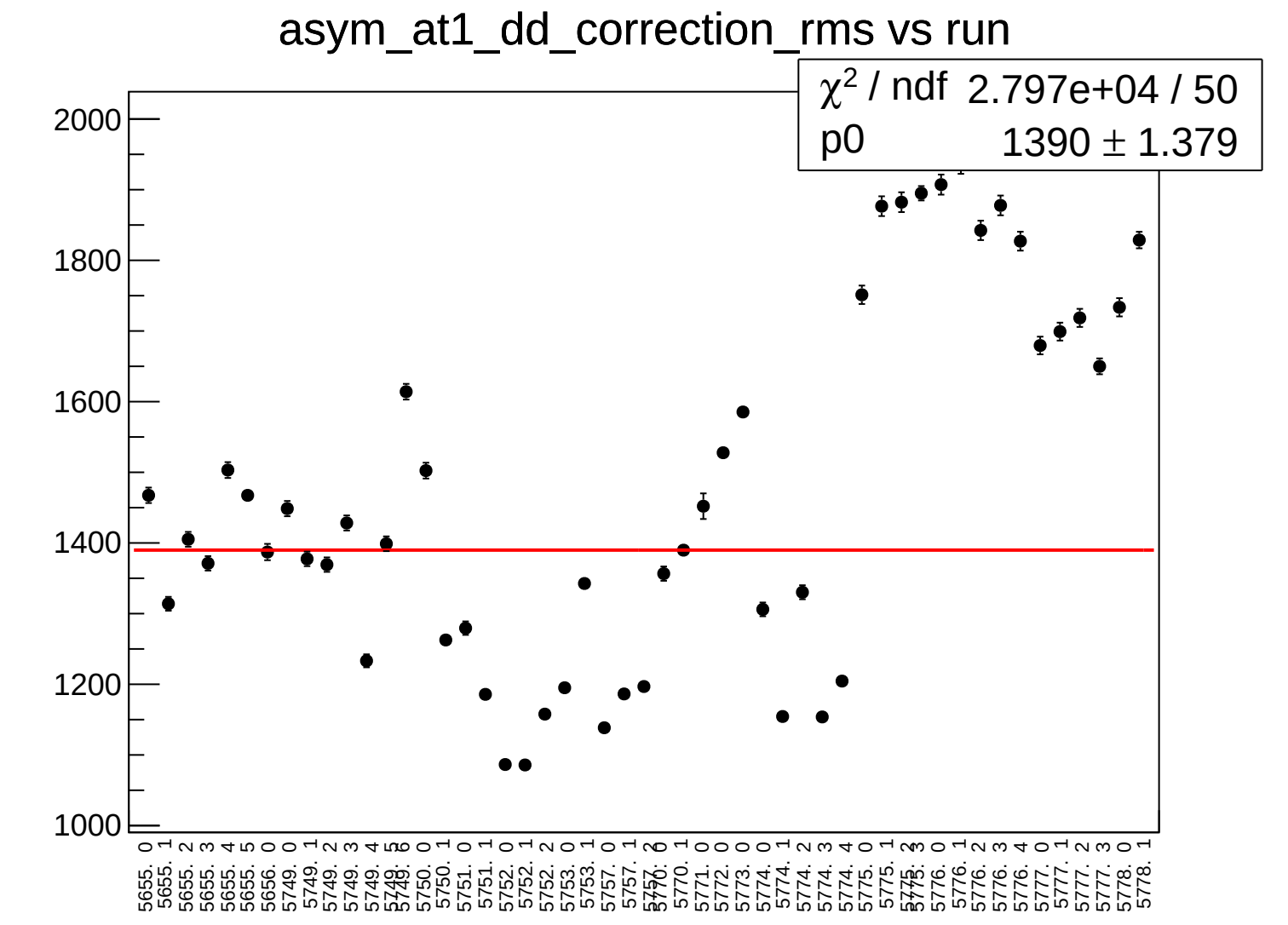

dit_asym_at1_dd_mean vs run
χ² / ndf 36.83 / 50
p0 −1771 ± 3037
pull
Entries 51
Mean 212.1
Std Dev 162

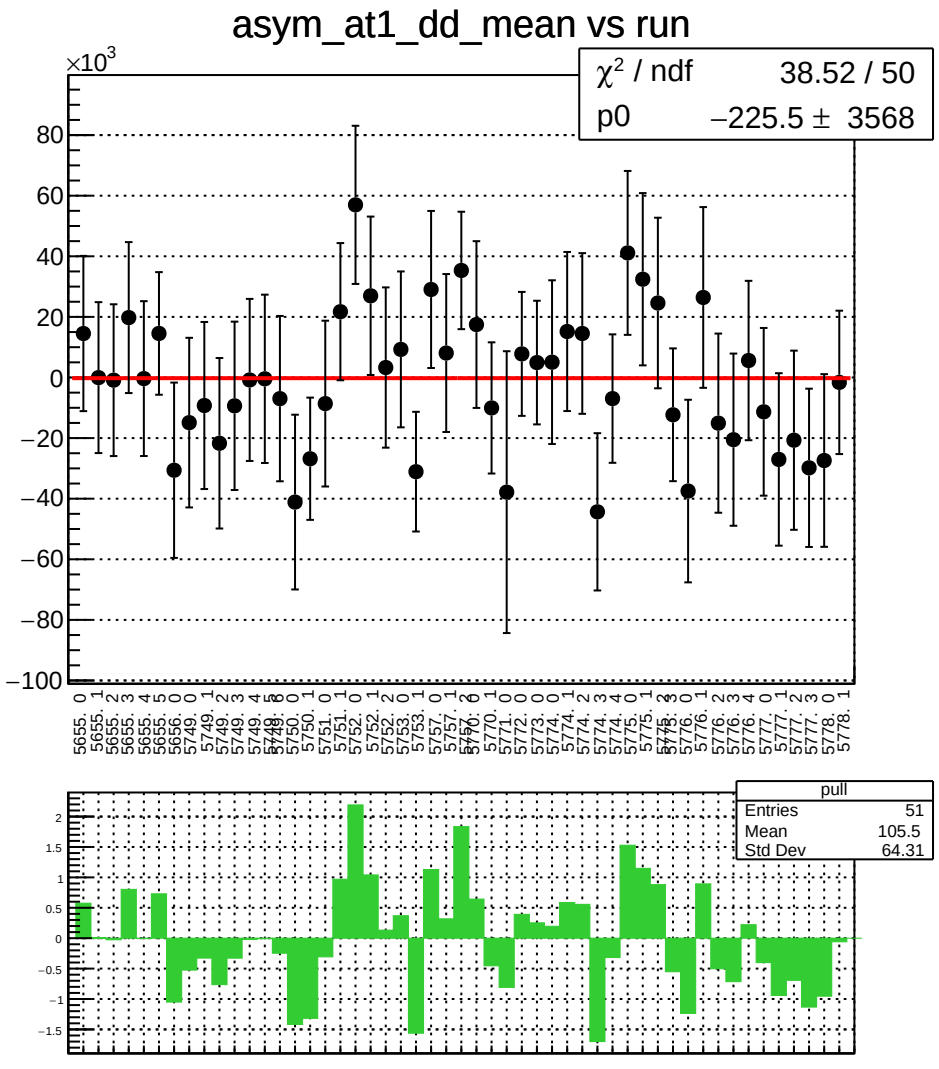

pull1D
Entries 51
Mean −0.00617
Std Dev 0.8497

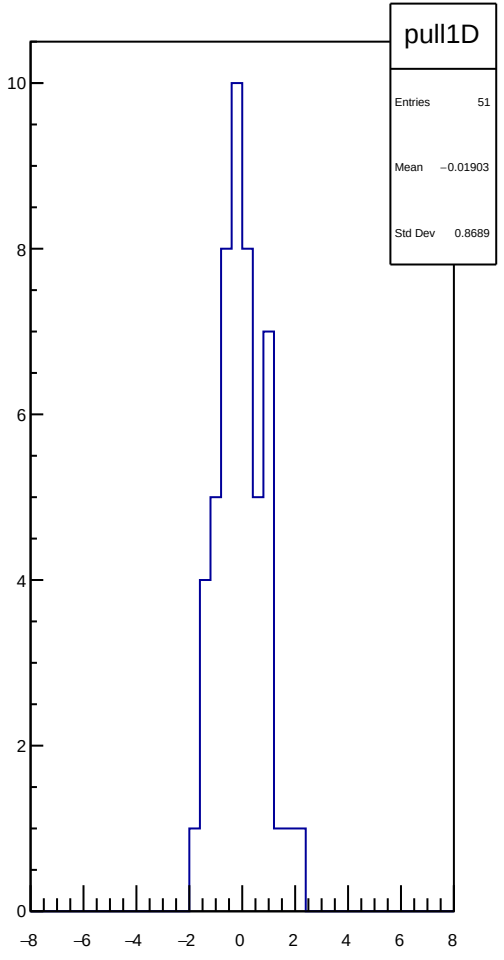

dit_asym_at1_dd_rms vs run
χ² / ndf 206 / 50
p0 2194 ± 2.147
2350
2300
2250
2200
2150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
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

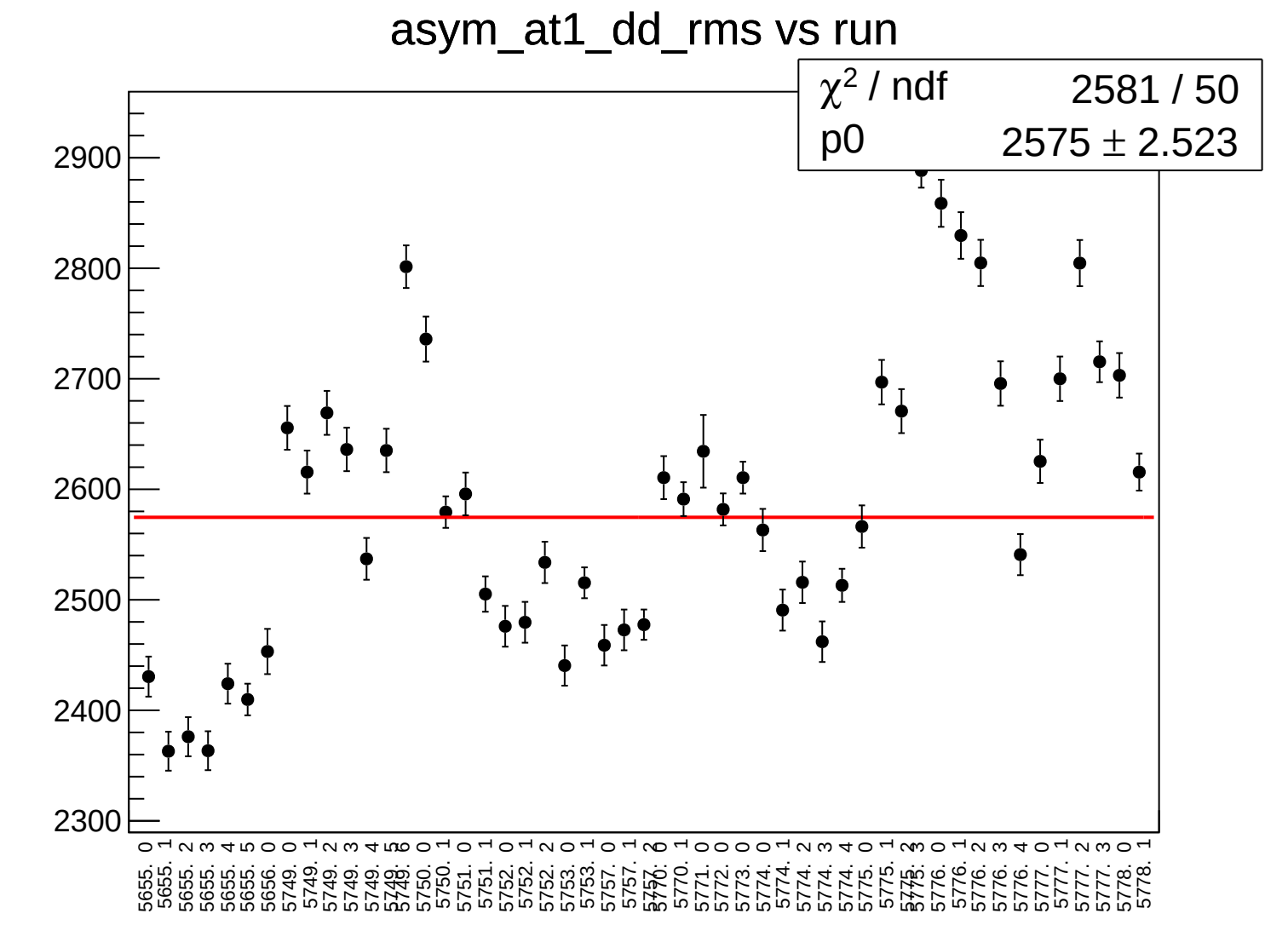

asym_at1_dd_correction_mean vs run
χ² / ndf 43.49 / 50
p0 −1124 ± 1950
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 111.8
Std Dev 88.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

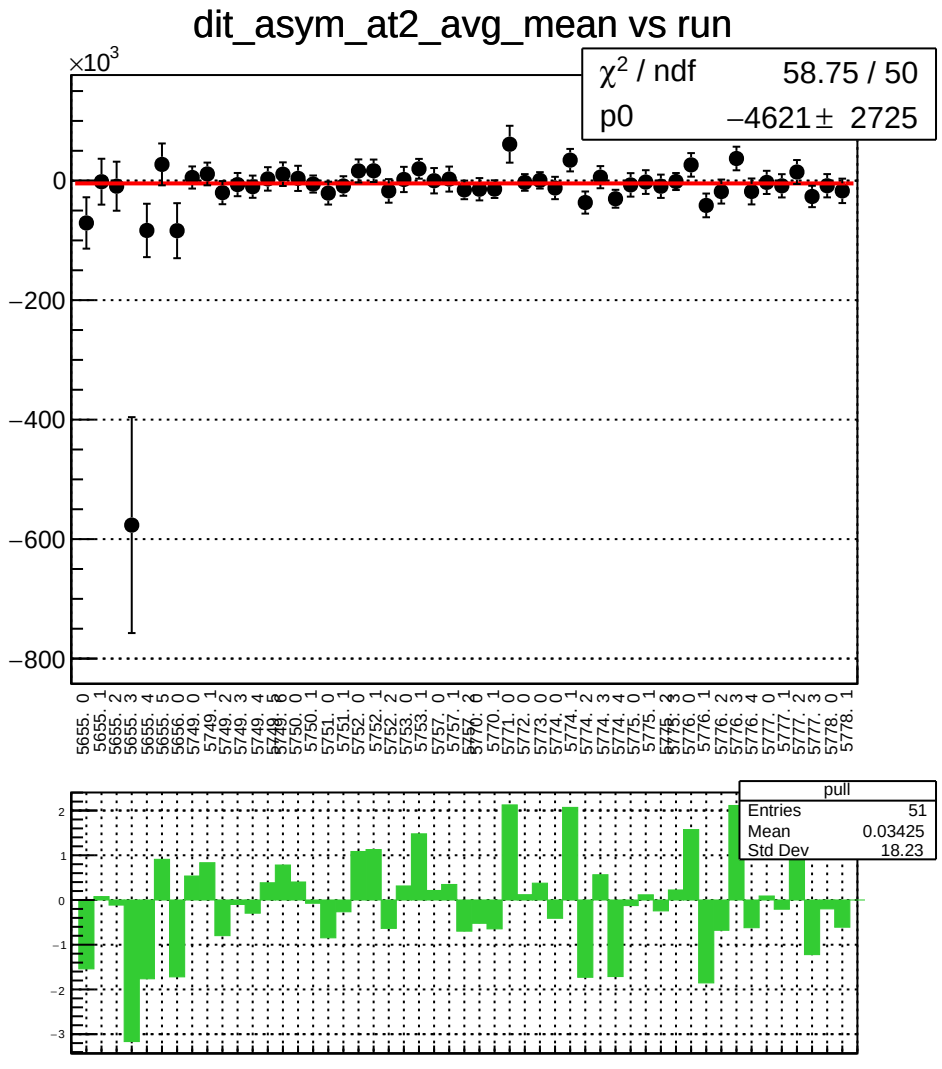

pull1D
Entries 51
Mean 0.01213
Std Dev 0.9234
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

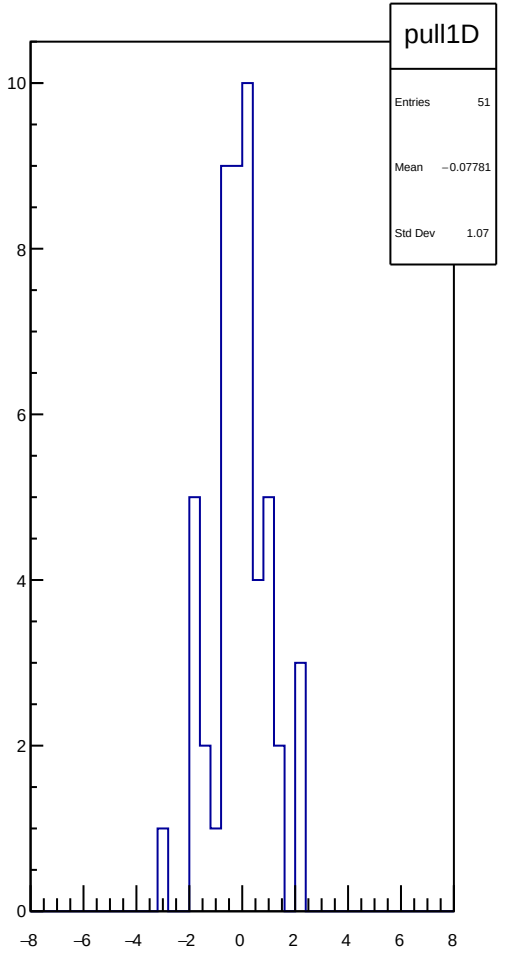

asym_at1_dd_correction_rms vs run
χ² / ndf 2.797e+04 / 50
p0 1390 ± 1.379
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

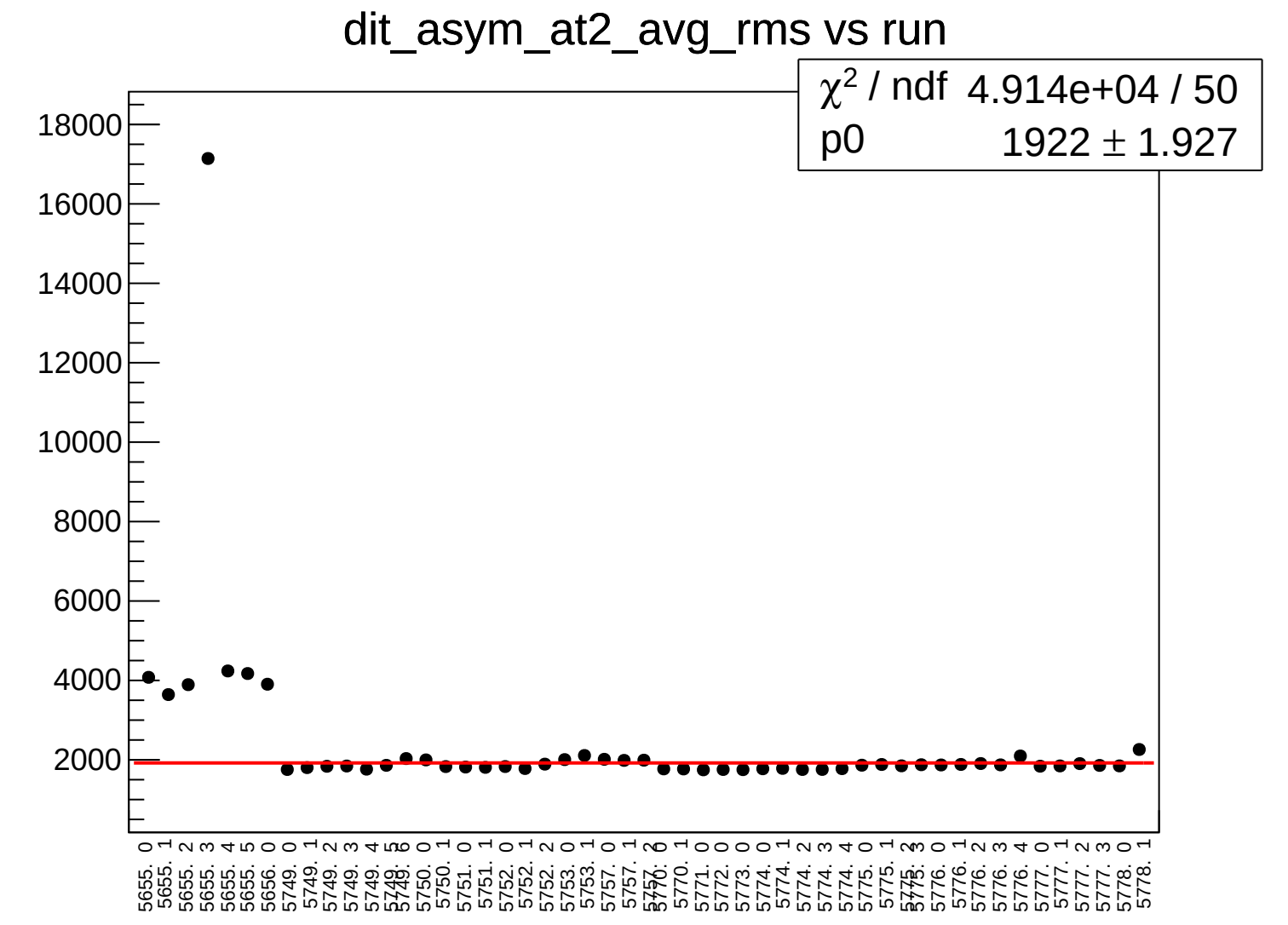

asym_at1_dd_mean vs run
×10^3
χ² / ndf 38.52 / 50
p0 −225.5 ± 3568
pull
Entries 51
Mean 105.5
Std Dev 64.31

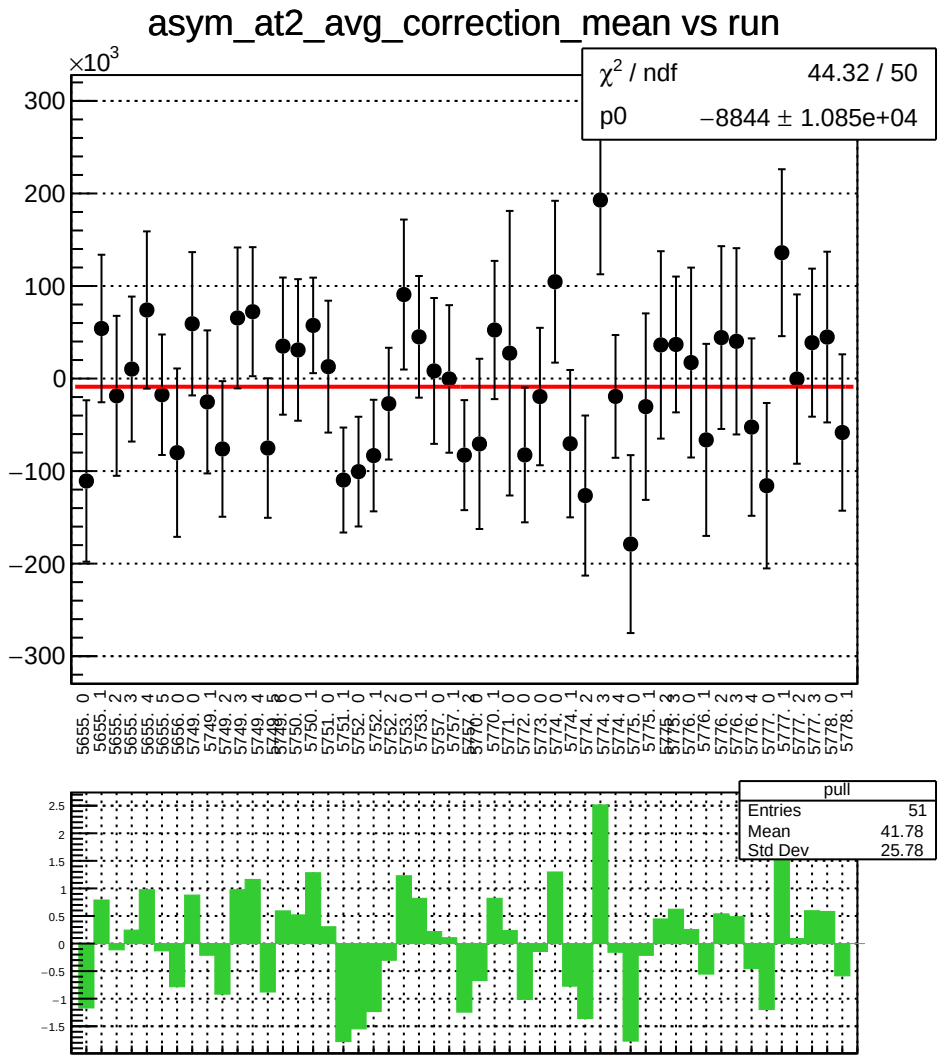

pull1D
Entries 51
Mean −0.01903
Std Dev 0.8689

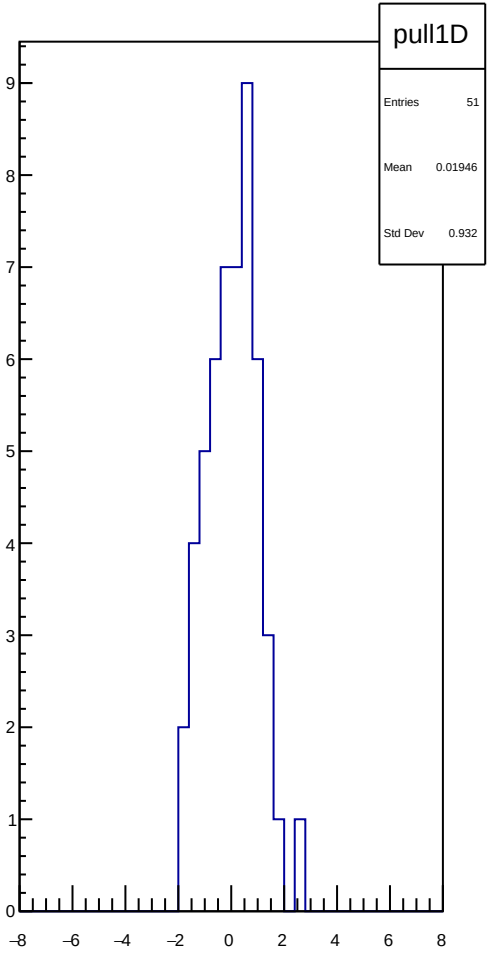

asym_at1_dd_rms vs run
χ² / ndf 2581 / 50
p0 2575 ± 2.523
2900
2800
2700
2600
2500
2400
2300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1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

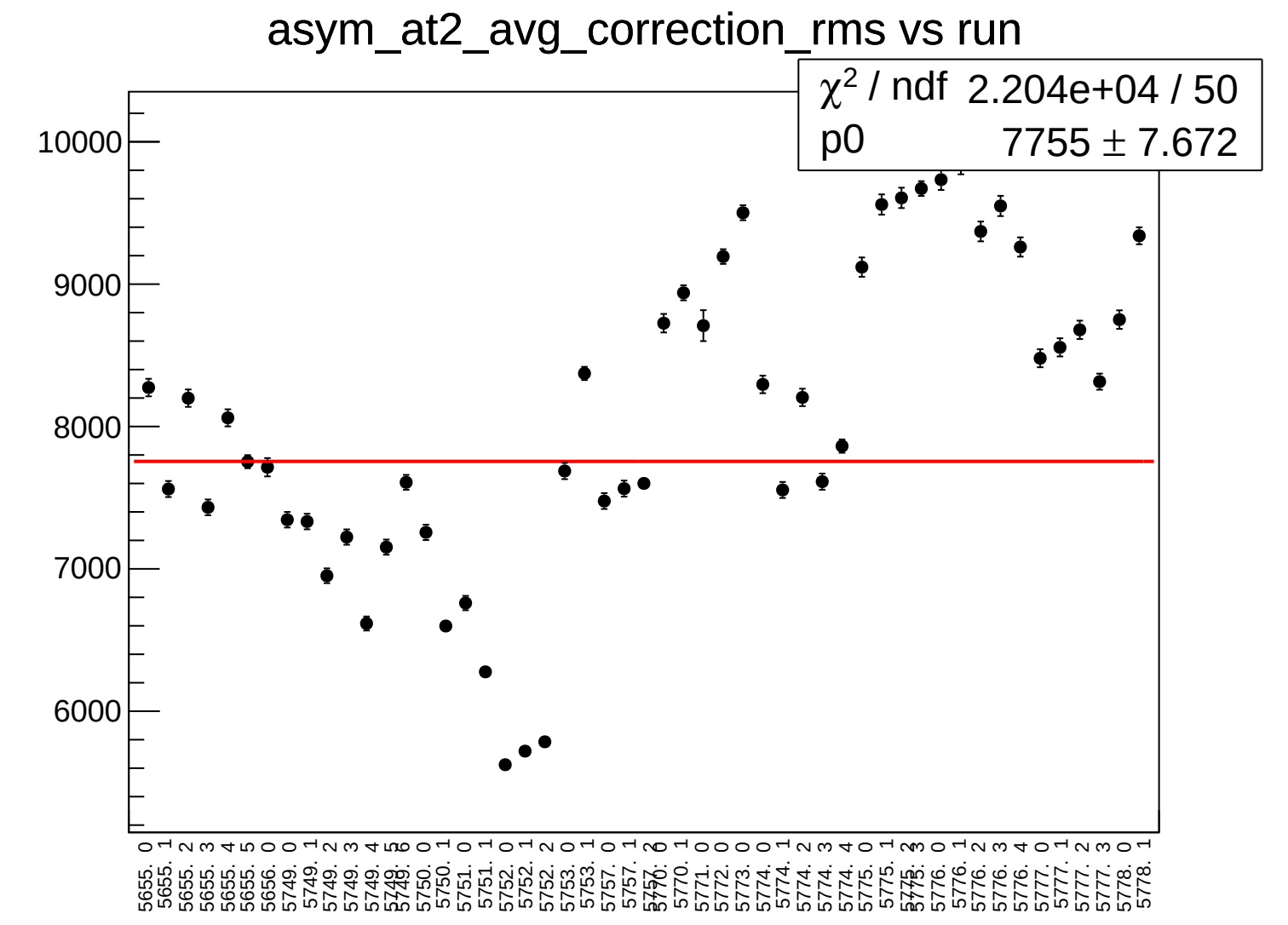

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 58.75 / 50
p0 −4621 ± 2725
0
−200
−400
−600
−800
pull
Entries 51
Mean 0.03425
Std Dev 18.23
2
1
0
−1
−2
−3

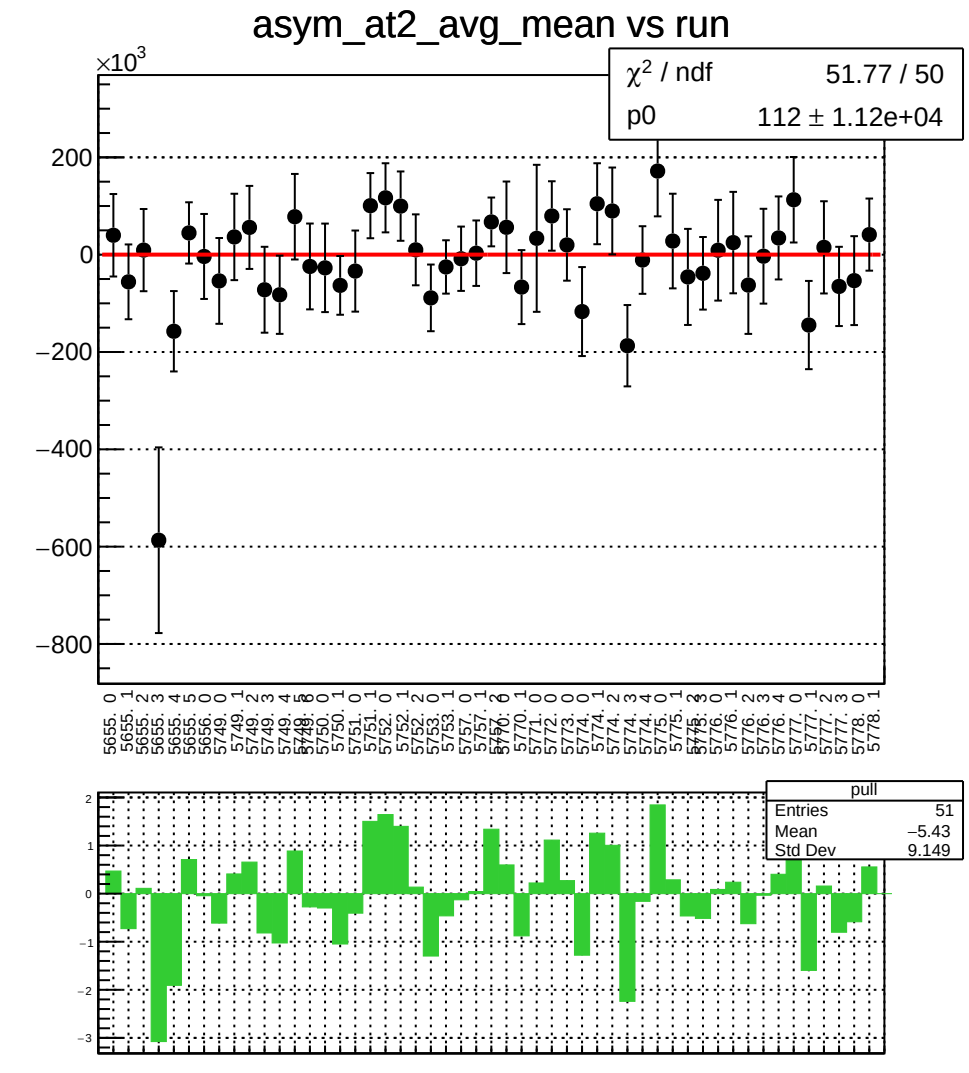

pull1D
Entries 51
Mean −0.07781
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

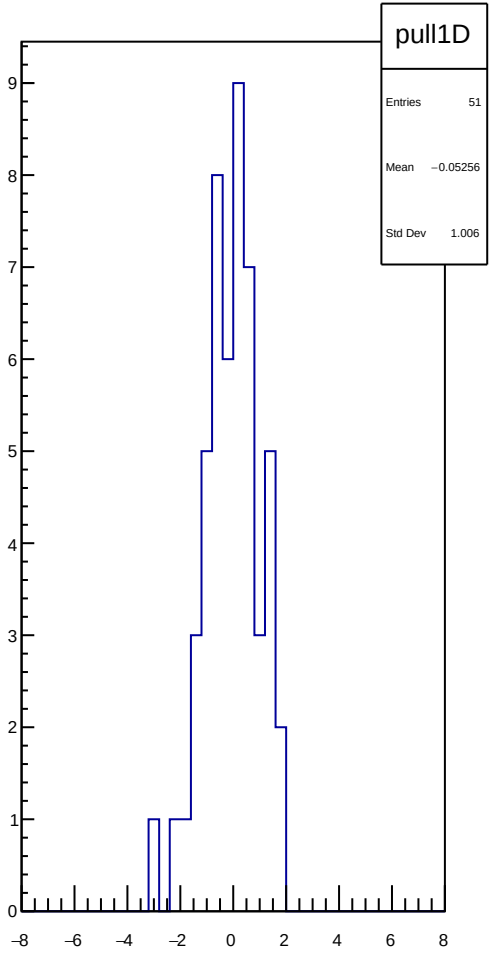

dit_asym_at2_avg_rms vs run
χ^2 / ndf 4.914e+04 / 50
p0 1922 ± 1.927
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

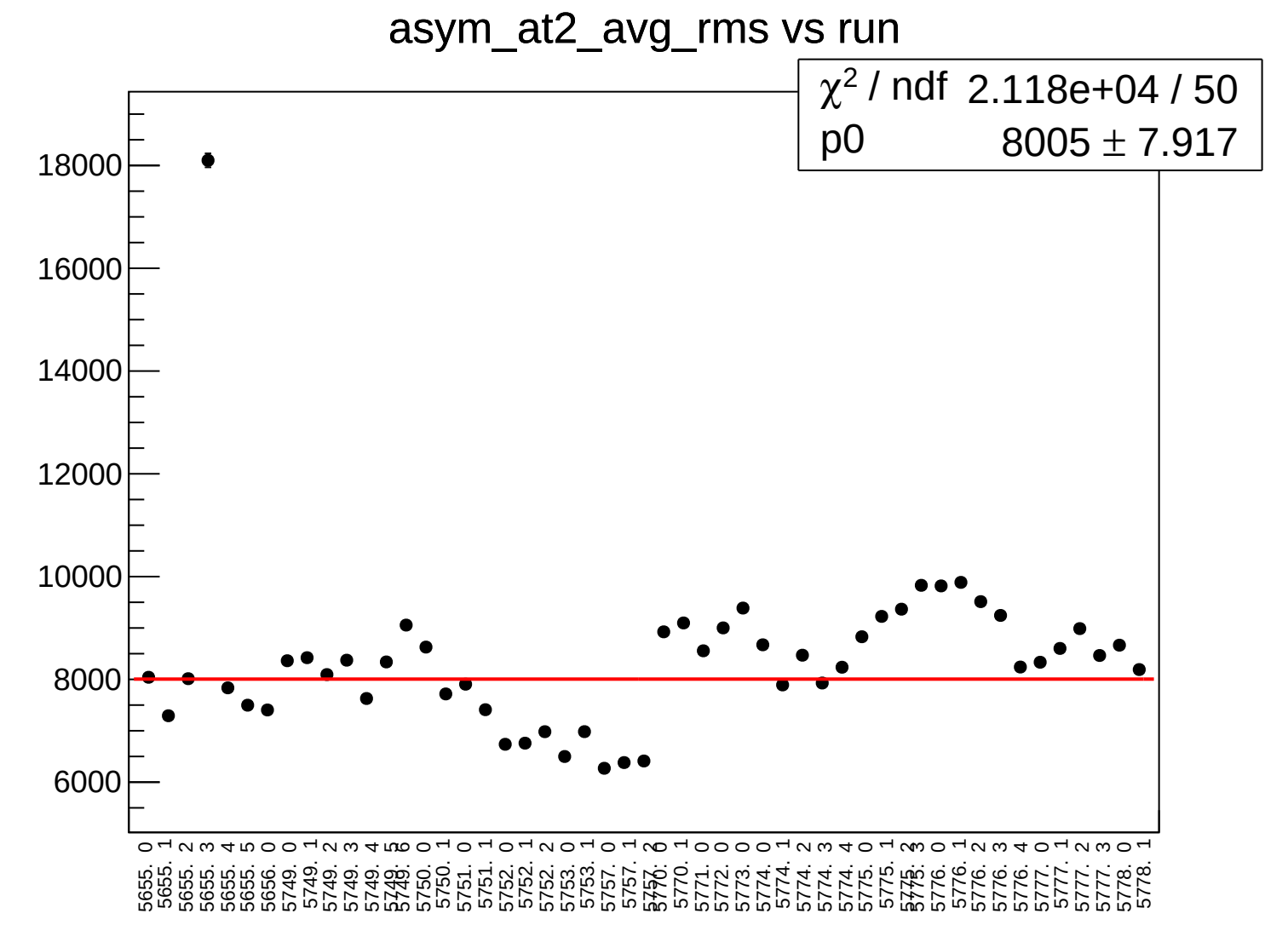

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 44.32 / 50
p0 −8844 ± 1.085e+04
300
200
100
0
−100
−200
−300
pull
Entries 51
Mean 41.78
Std Dev 25.78
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

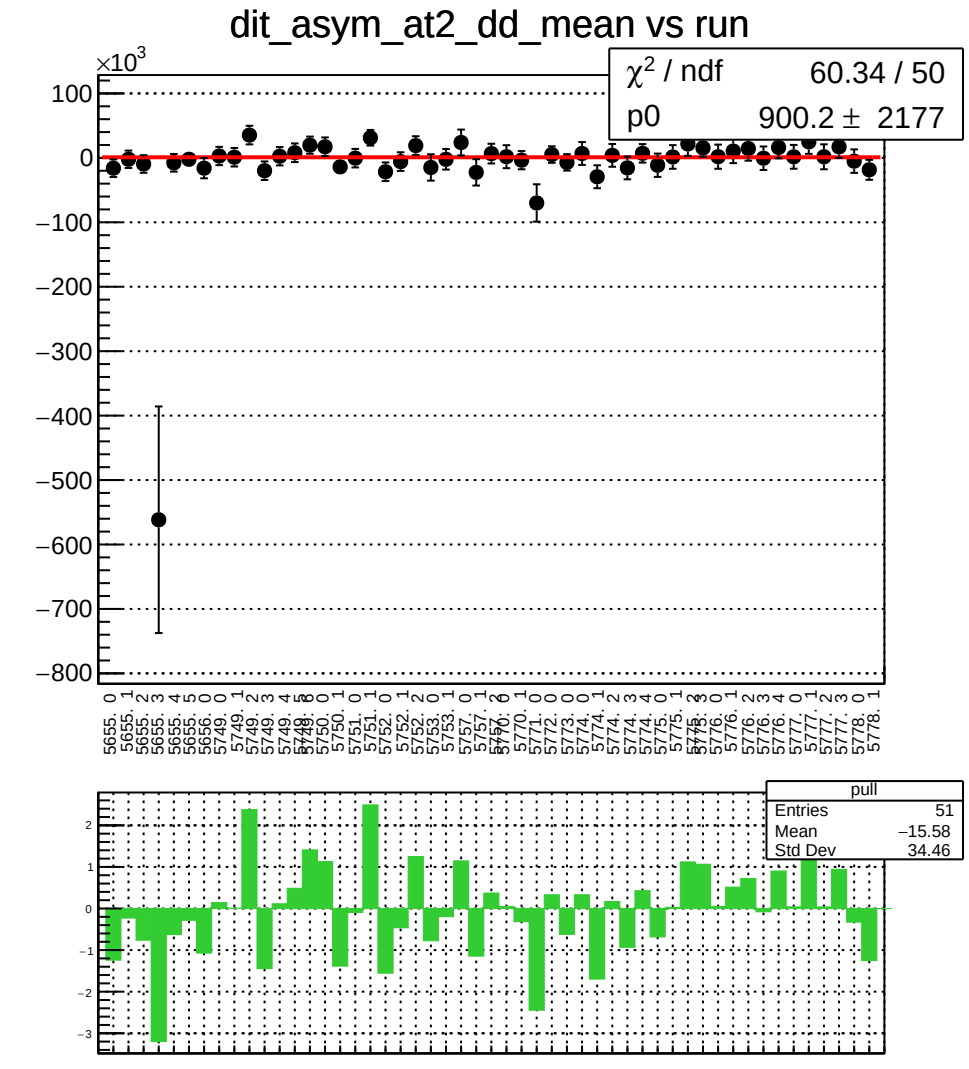

pull1D
Entries 51
Mean 0.01946
Std Dev 0.932
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

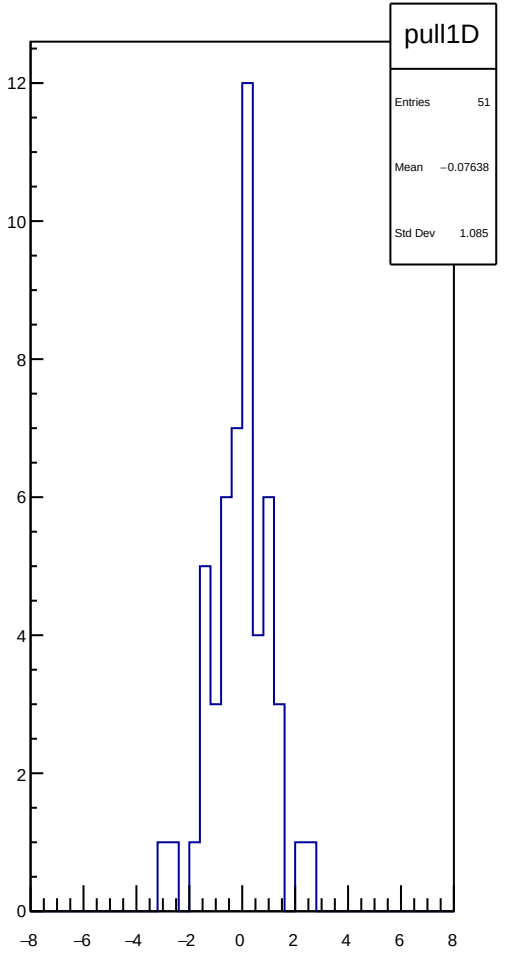

asym_at2_avg_correction_rms vs run
χ² / ndf 2.204e+04 / 50
p0 7755 ± 7.672
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

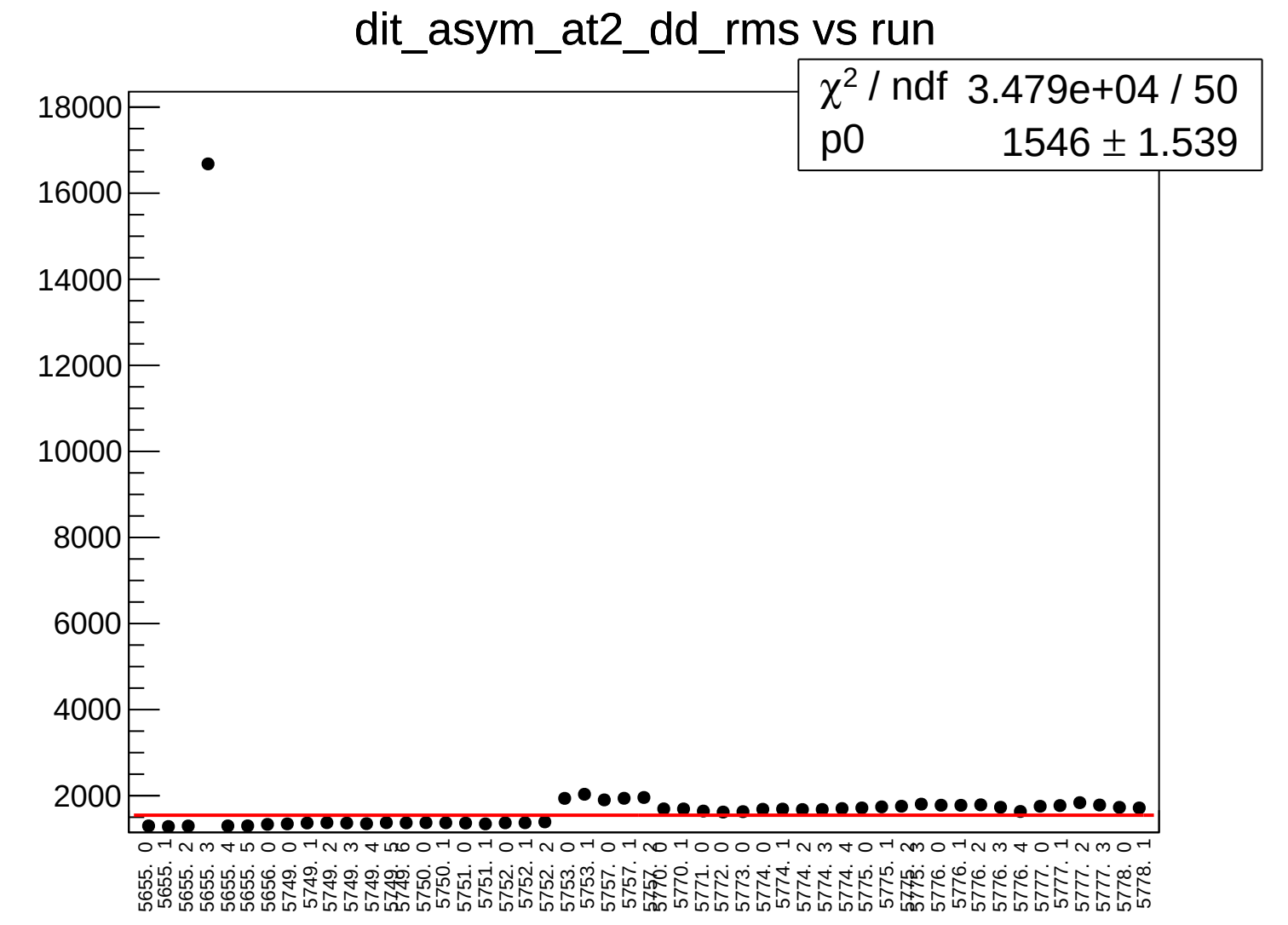

asym_at2_avg_mean vs run
×10^3
χ² / ndf 51.77 / 50
p0 112 ± 1.12e+04
200
0
−200
−400
−600
−800
pull
Entries 51
Mean −5.43
Std Dev 9.149
2
1
0
−1
−2
−3

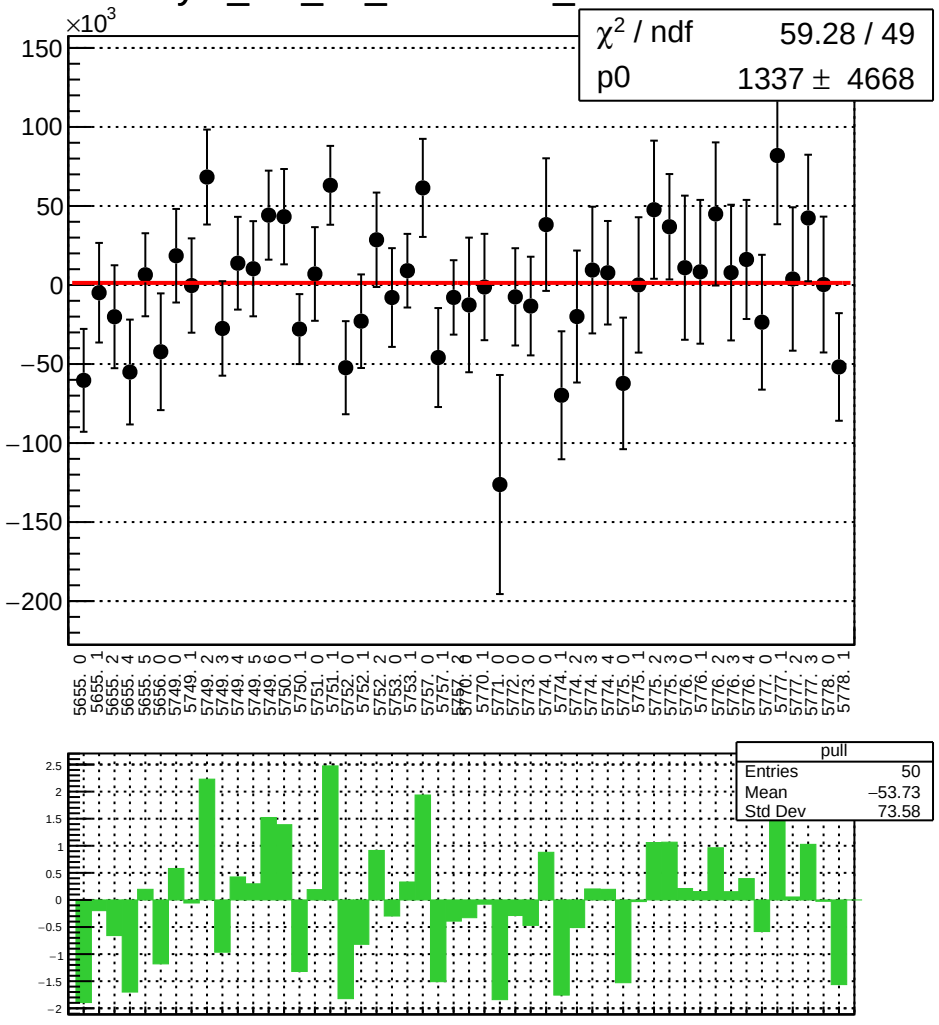

pull1D
Entries 51
Mean −0.05256
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

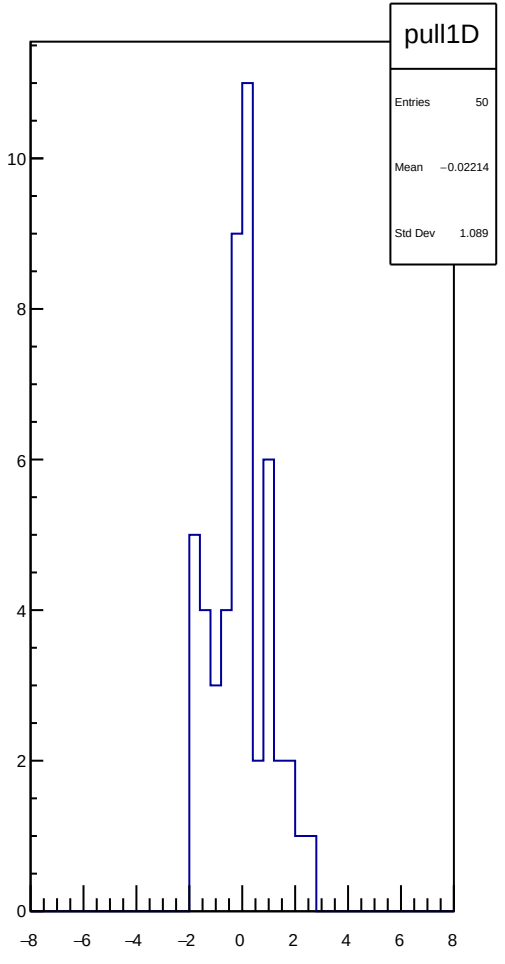

asym_at2_avg_rms vs run
χ^2 / ndf 2.118e+04 / 50
p0 8005 ± 7.917
18000
16000
14000
12000
10000
8000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757.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

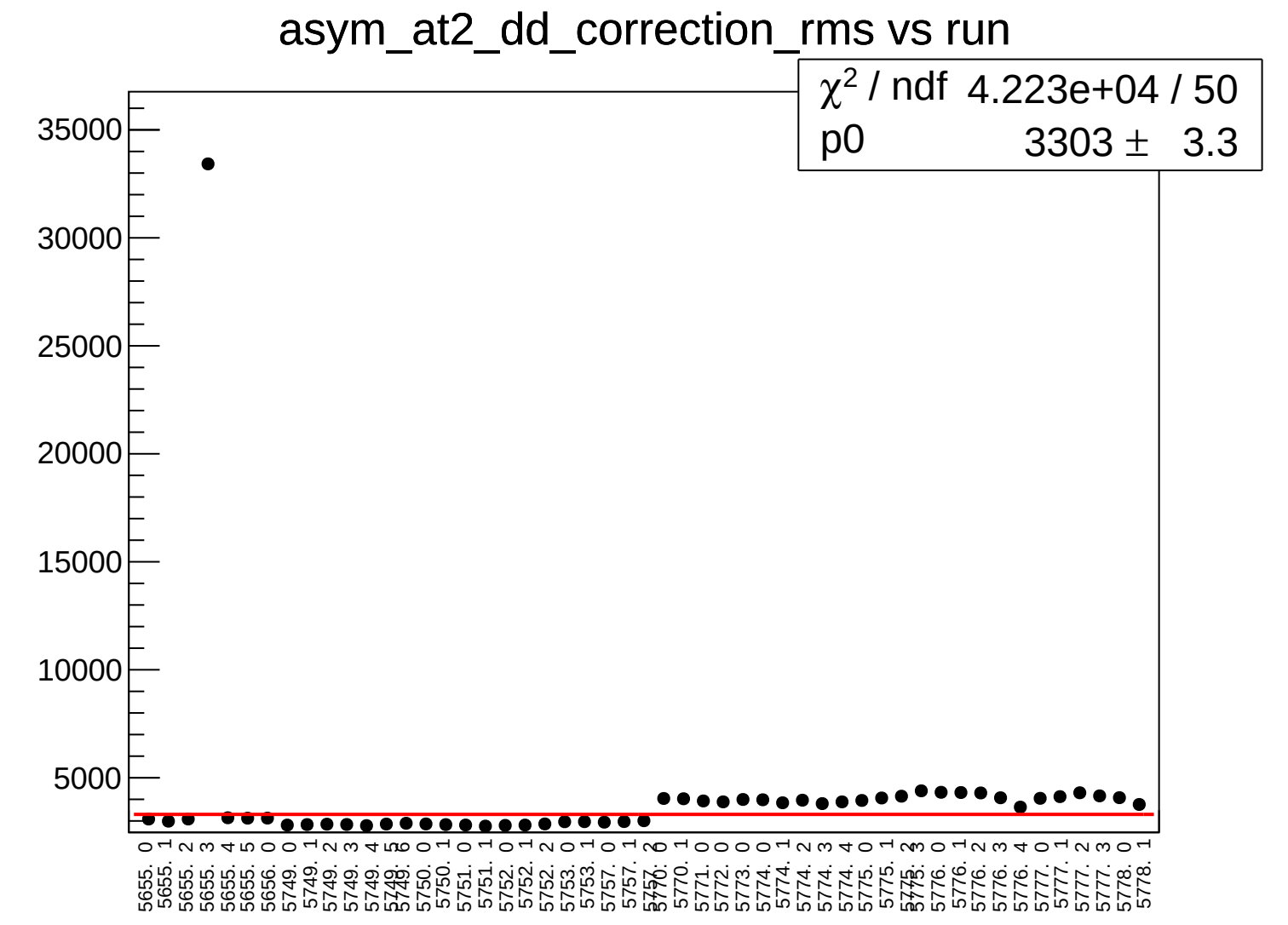

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 60.34 / 50
p0 900.2 ± 2177
pull
Entries 51
Mean −15.58
Std Dev 34.46

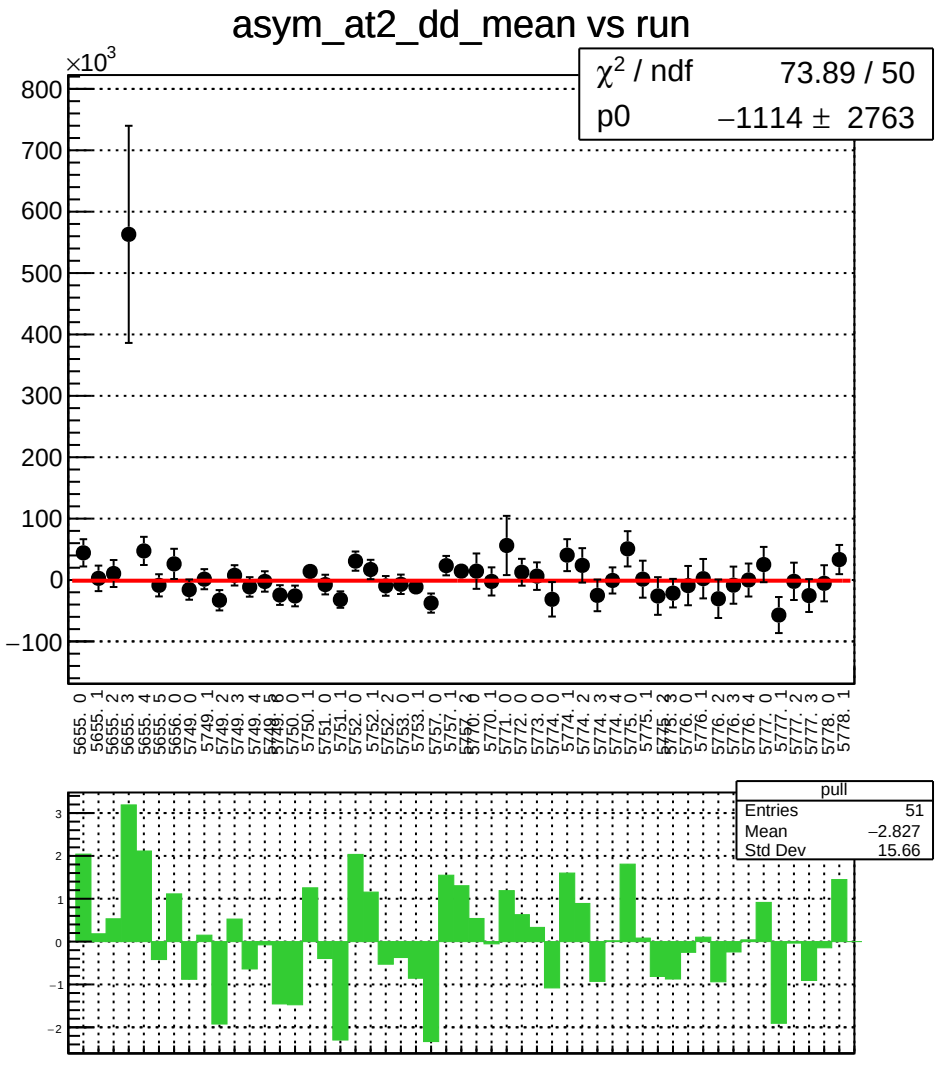

pull1D
Entries 51
Mean −0.07638
Std Dev 1.085

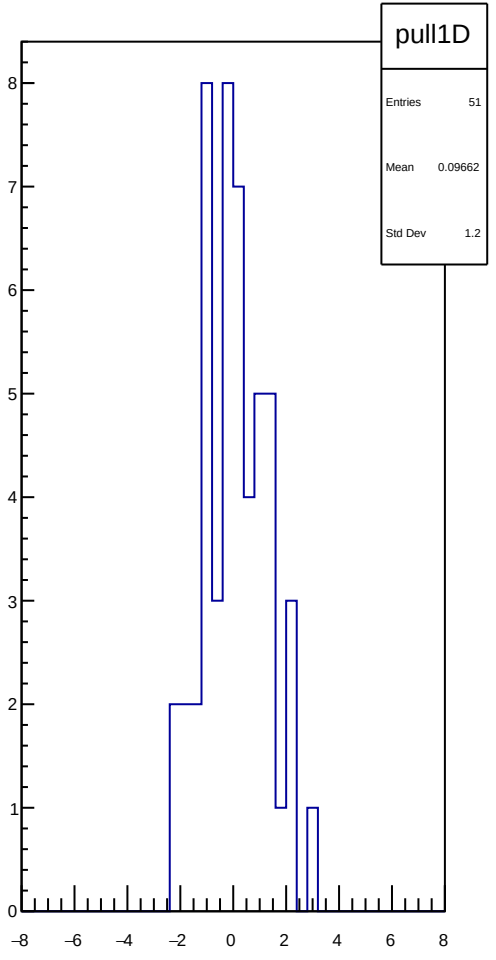

dit_asym_at2_dd_rms vs run
χ² / ndf 3.479e+04 / 50
p0 1546 ± 1.539
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

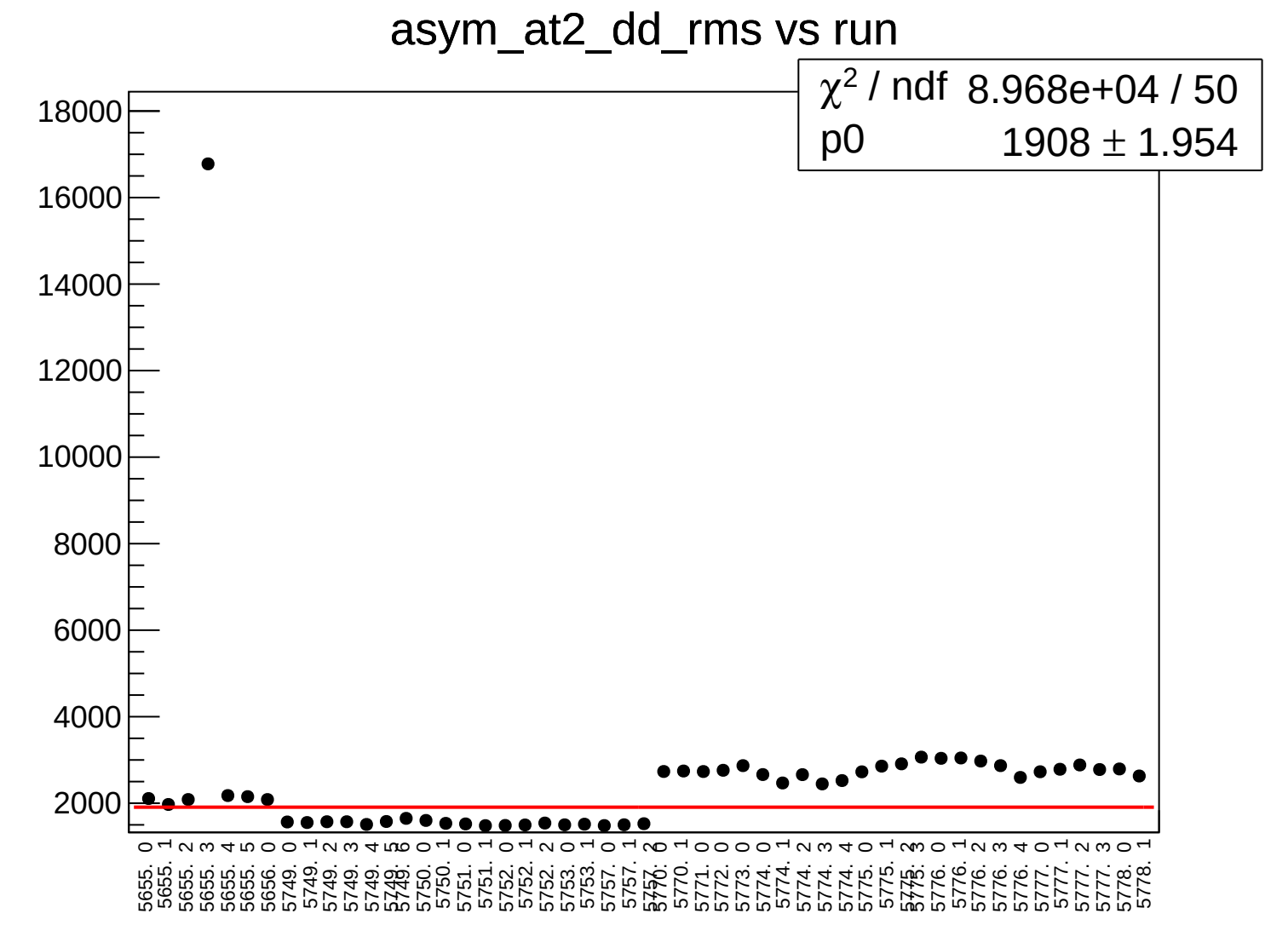

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 59.28 / 49
p0 1337 ± 4668
150
100
50
0
−50
−100
−150
−200
pull
Entries 50
Mean −53.73
Std Dev 73.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

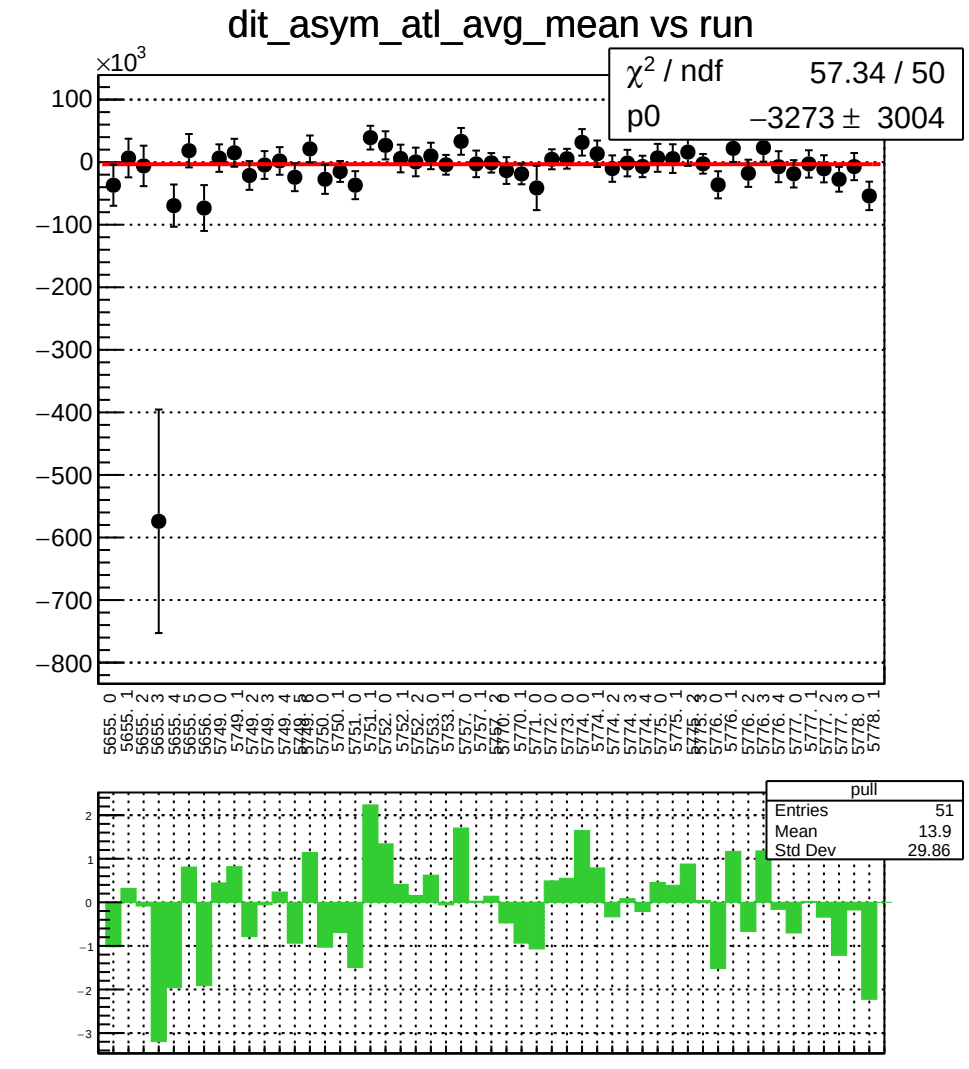

pull1D
Entries 50
Mean −0.02214
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

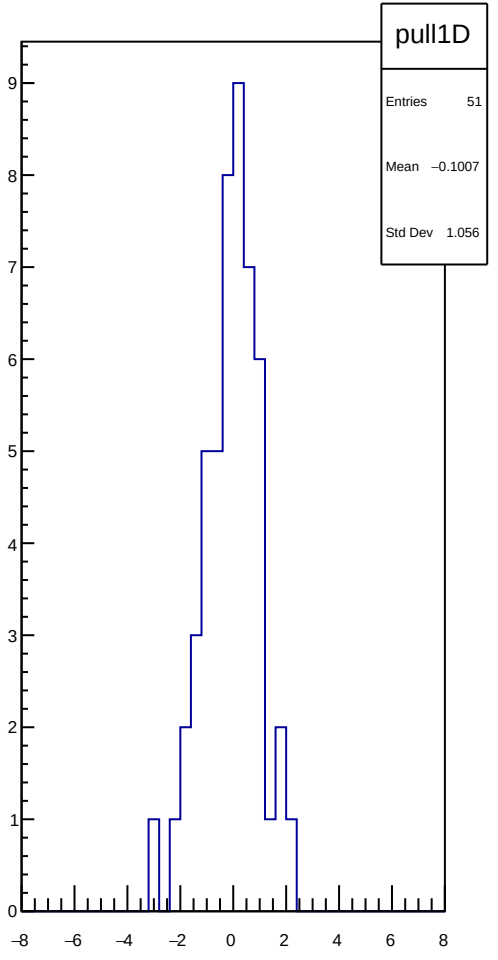

asym_at2_dd_correction_rms vs run
χ² / ndf 4.223e+04 / 50
p0 3303 ± 3.3
35000
30000
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

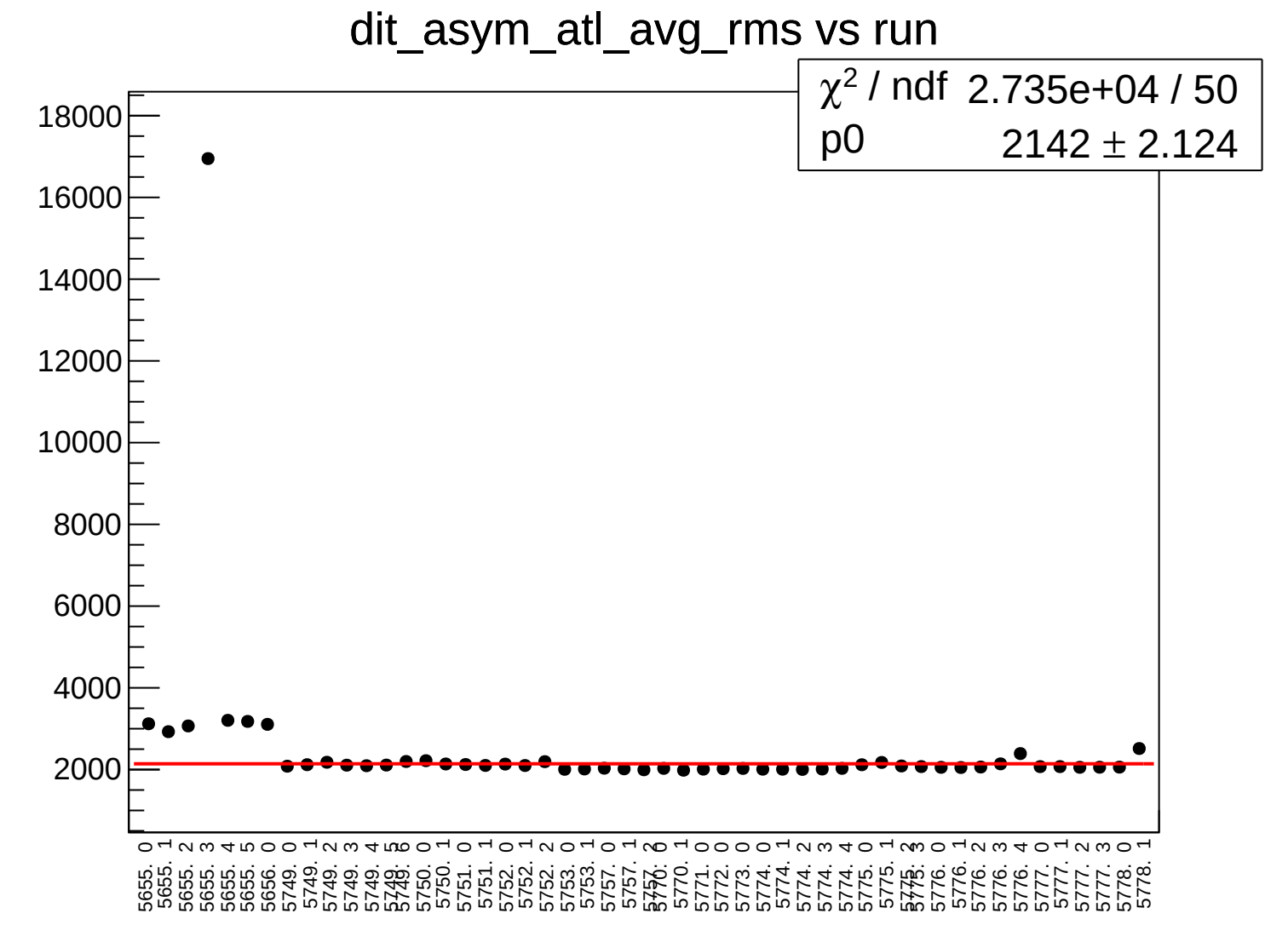

asym_at2_dd_mean vs run
×10^3
χ² / ndf 73.89 / 50
p0 −1114 ± 2763
pull
Entries 51
Mean −2.827
Std Dev 15.66

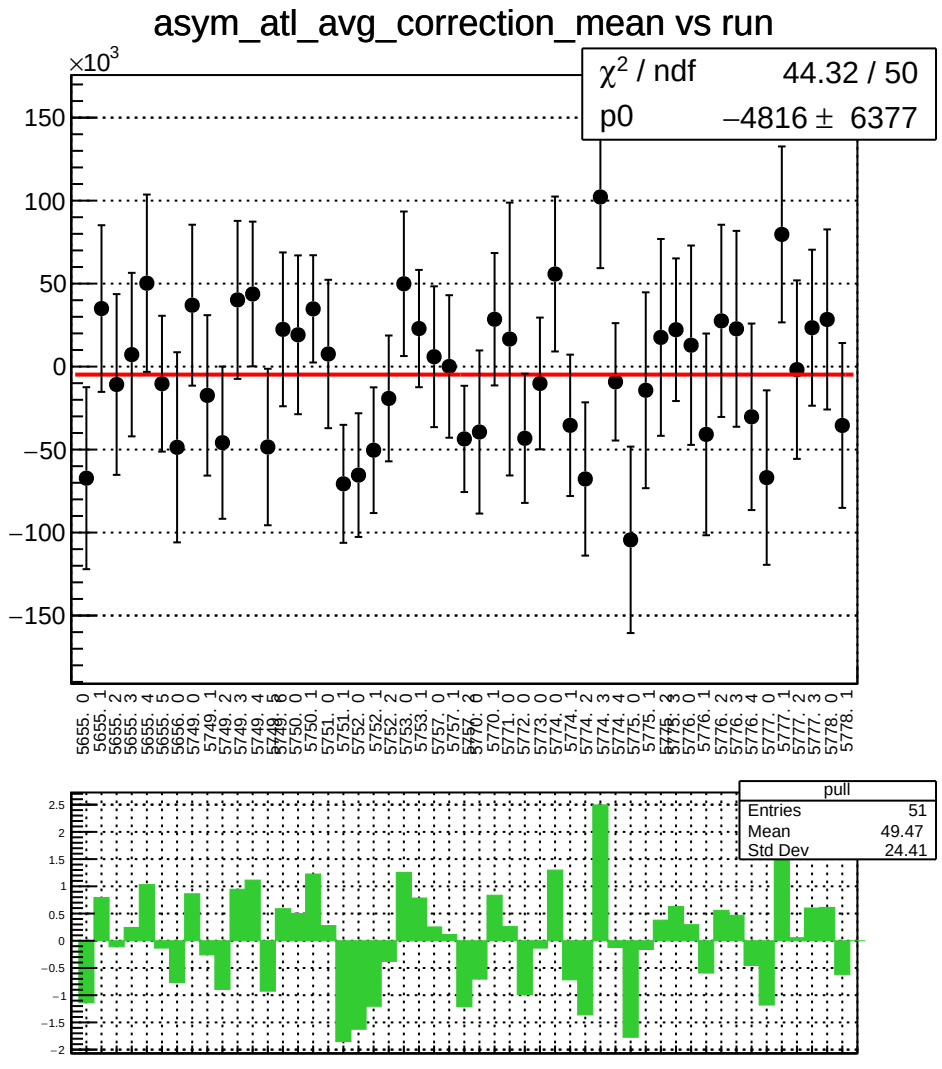

pull1D
Entries 51
Mean 0.09662
Std Dev 1.2

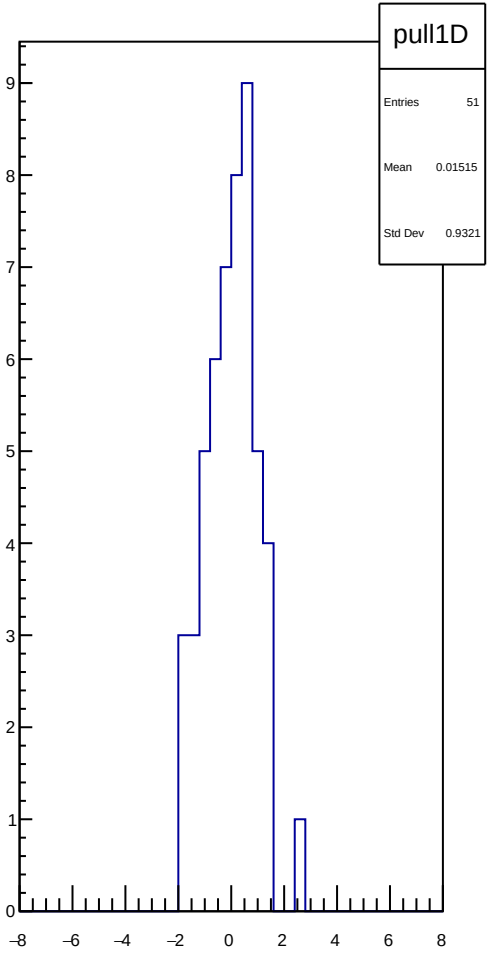

asym_at2_dd_rms vs run
χ² / ndf 8.968e+04 / 50
p0 1908 ± 1.954
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

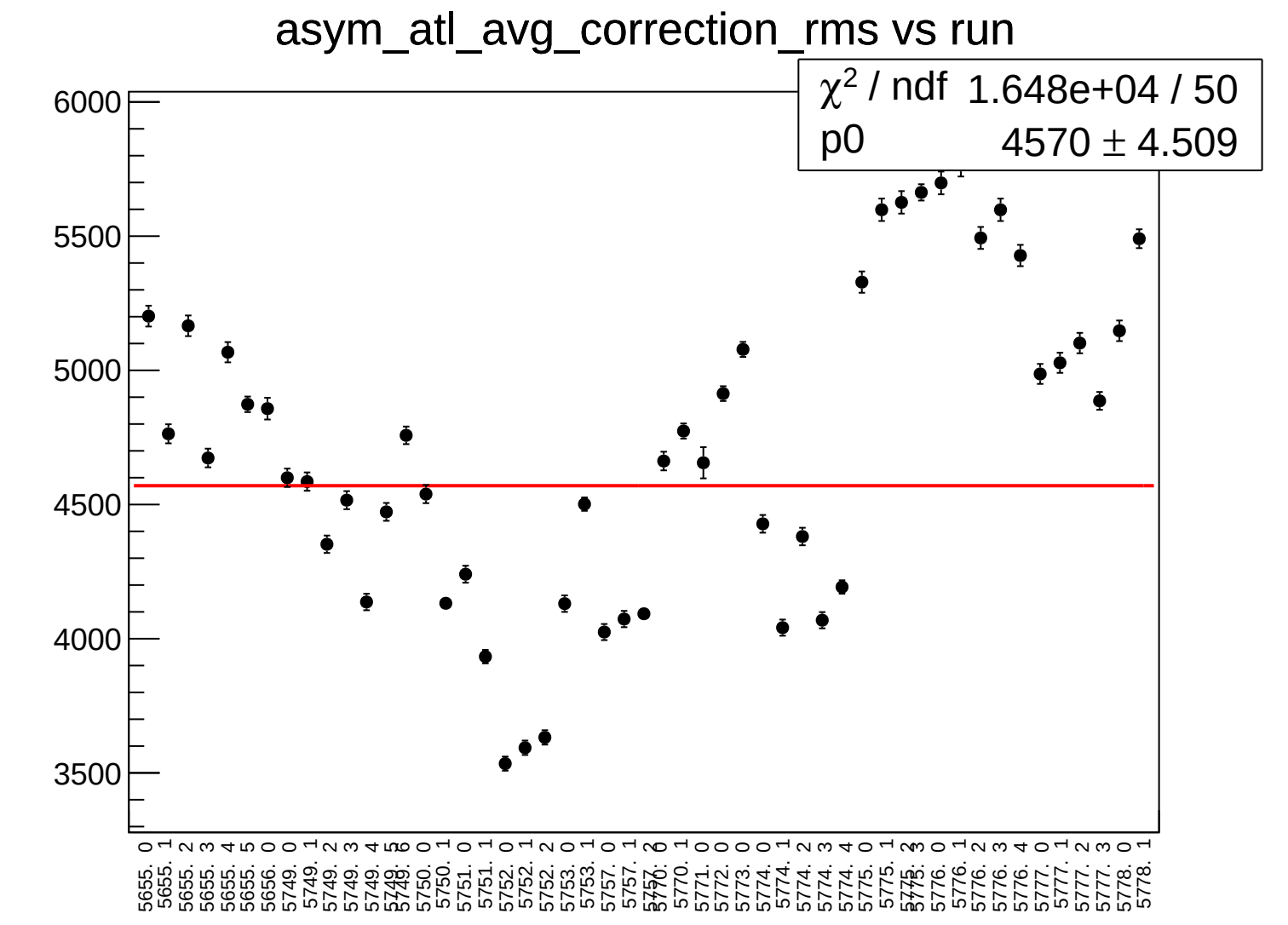

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 57.34 / 50
p0 −3273 ± 3004
100
0
−100
−200
−300
−400
−500
−600
−700
−800
pull
Entries 51
Mean 13.9
Std Dev 29.86
2
1
0
−1
−2
−3

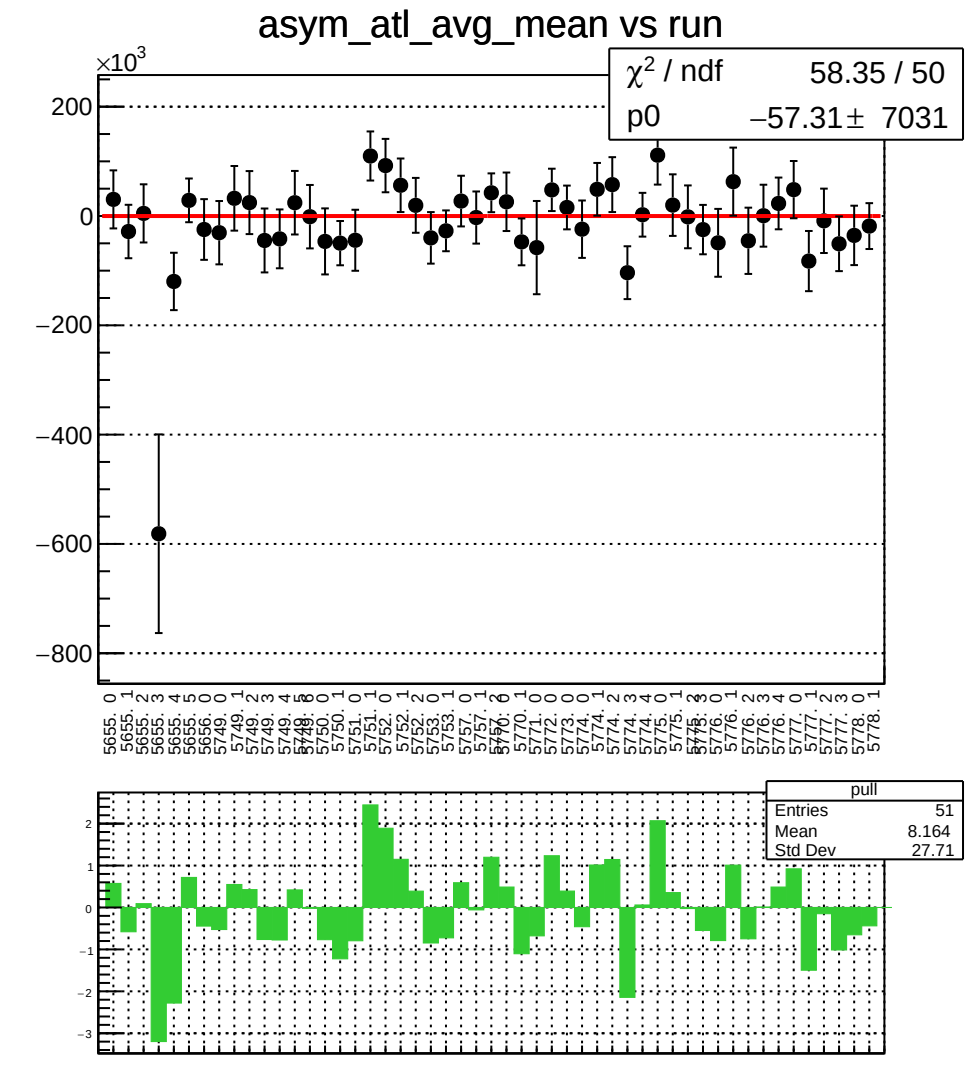

pull1D
Entries 51
Mean −0.1007
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

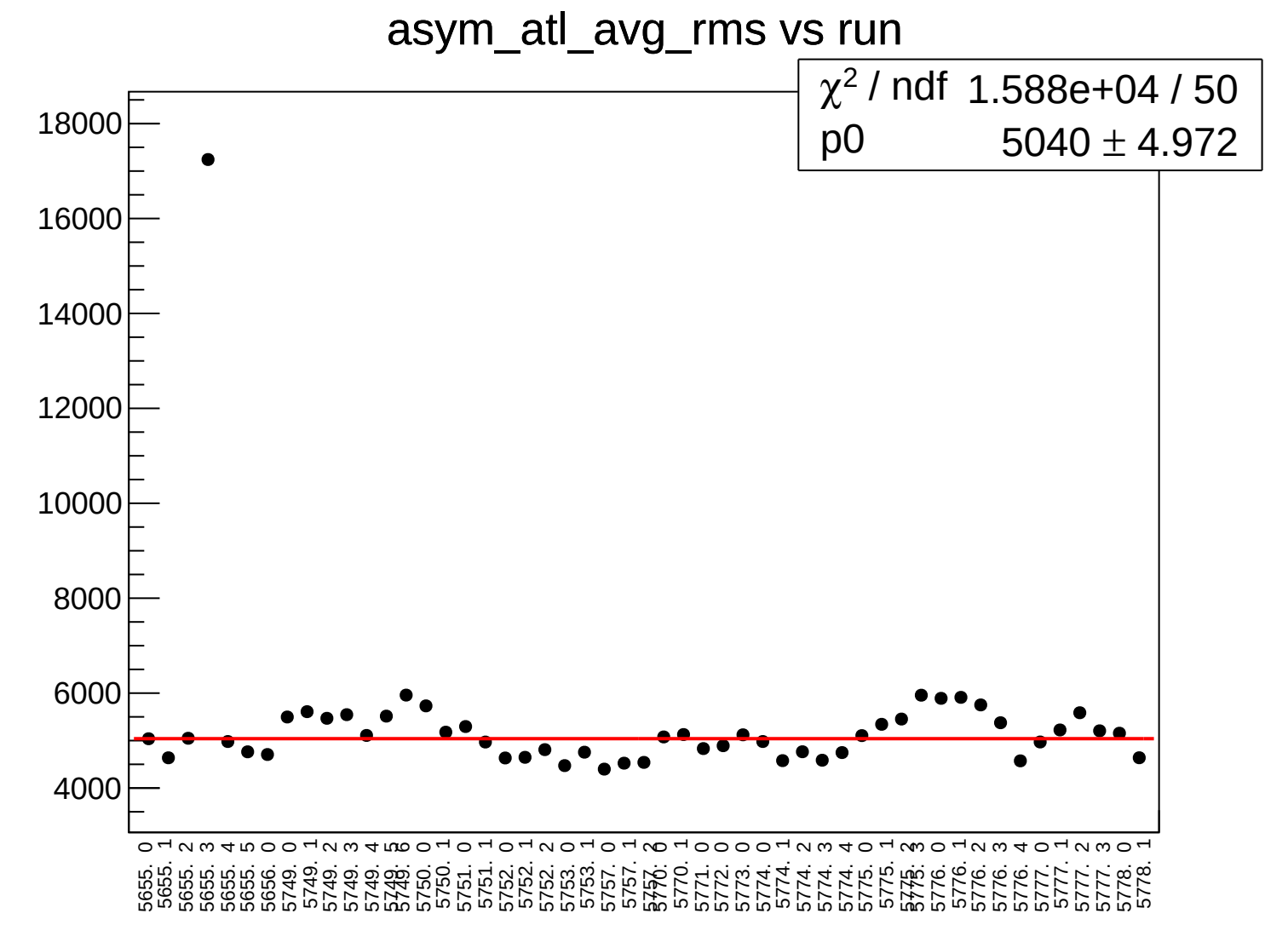

dit_asym_atl_avg_rms vs run
χ^2 / ndf 2.735e+04 / 50
p0 2142 ± 2.124
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

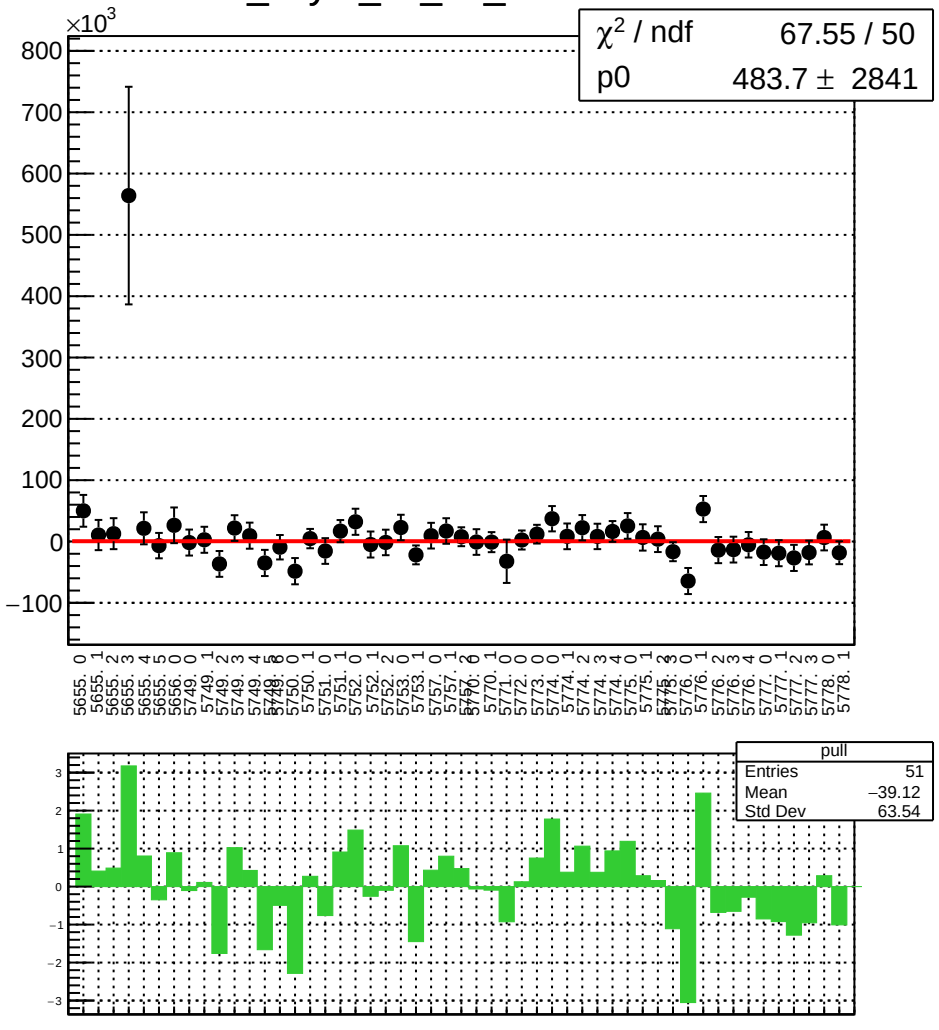

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 44.32 / 50
p0 −4816 ± 6377
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 49.47
Std Dev 24.41
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

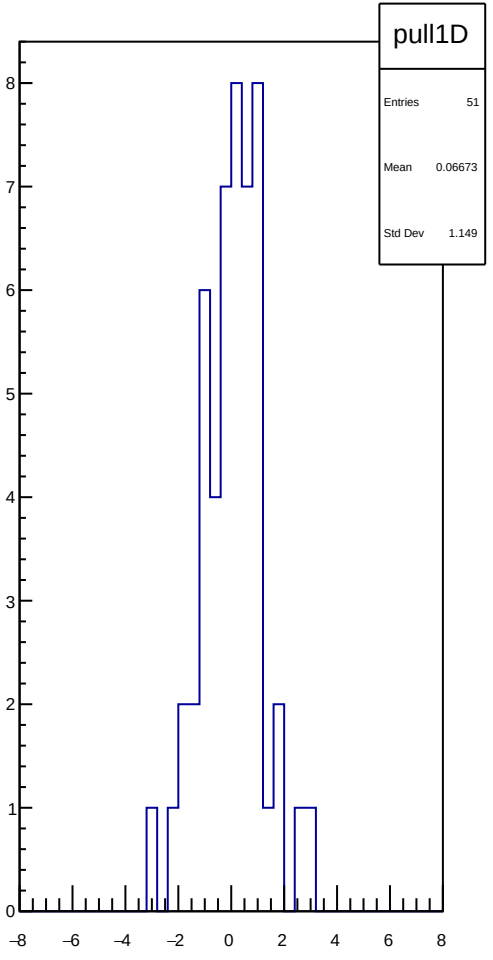

pull1D
Entries 51
Mean 0.01515
Std Dev 0.9321
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

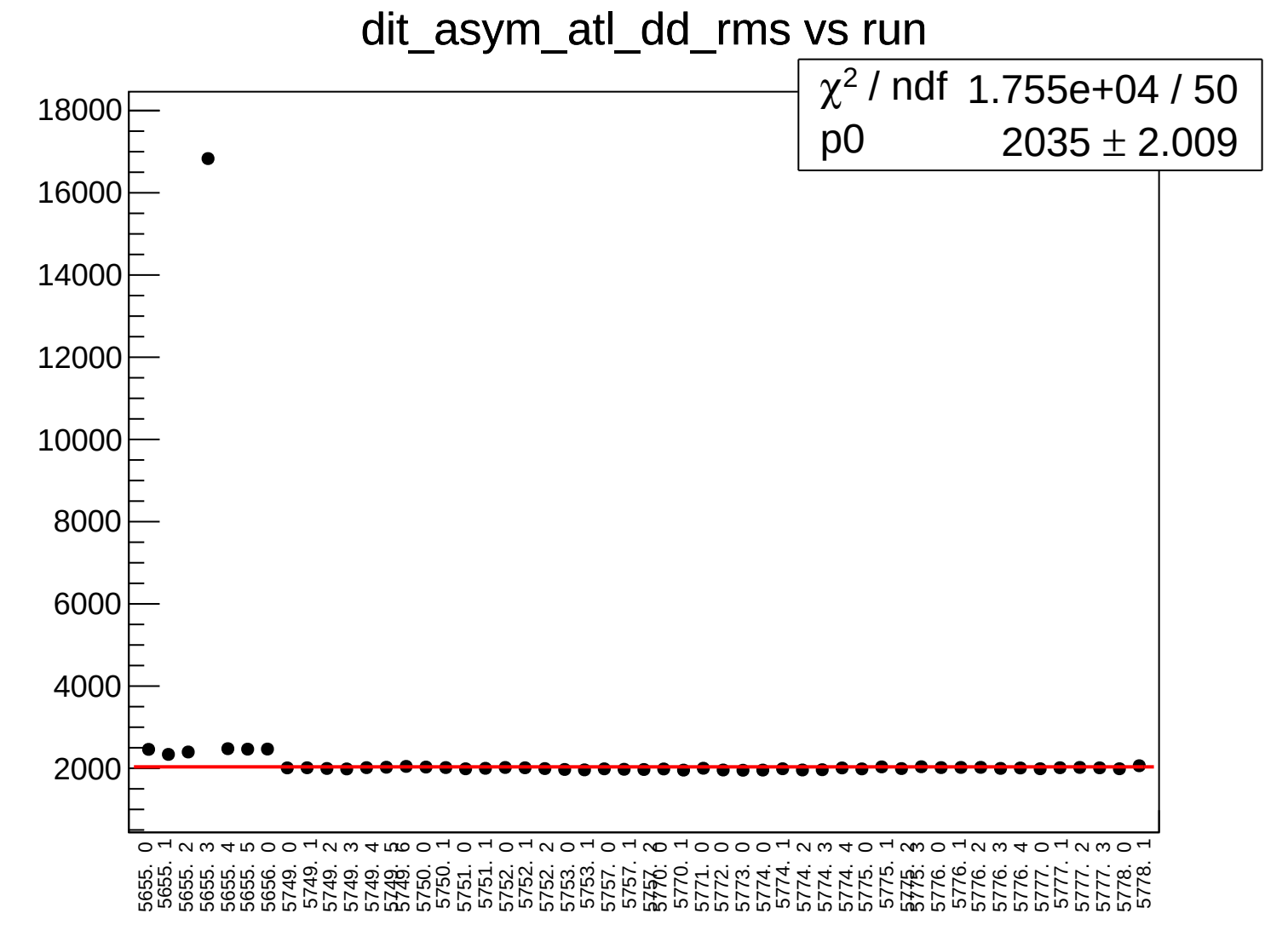

asym_atl_avg_correction_rms vs run
χ² / ndf 1.648e+04 / 50
p0 4570 ± 4.509
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

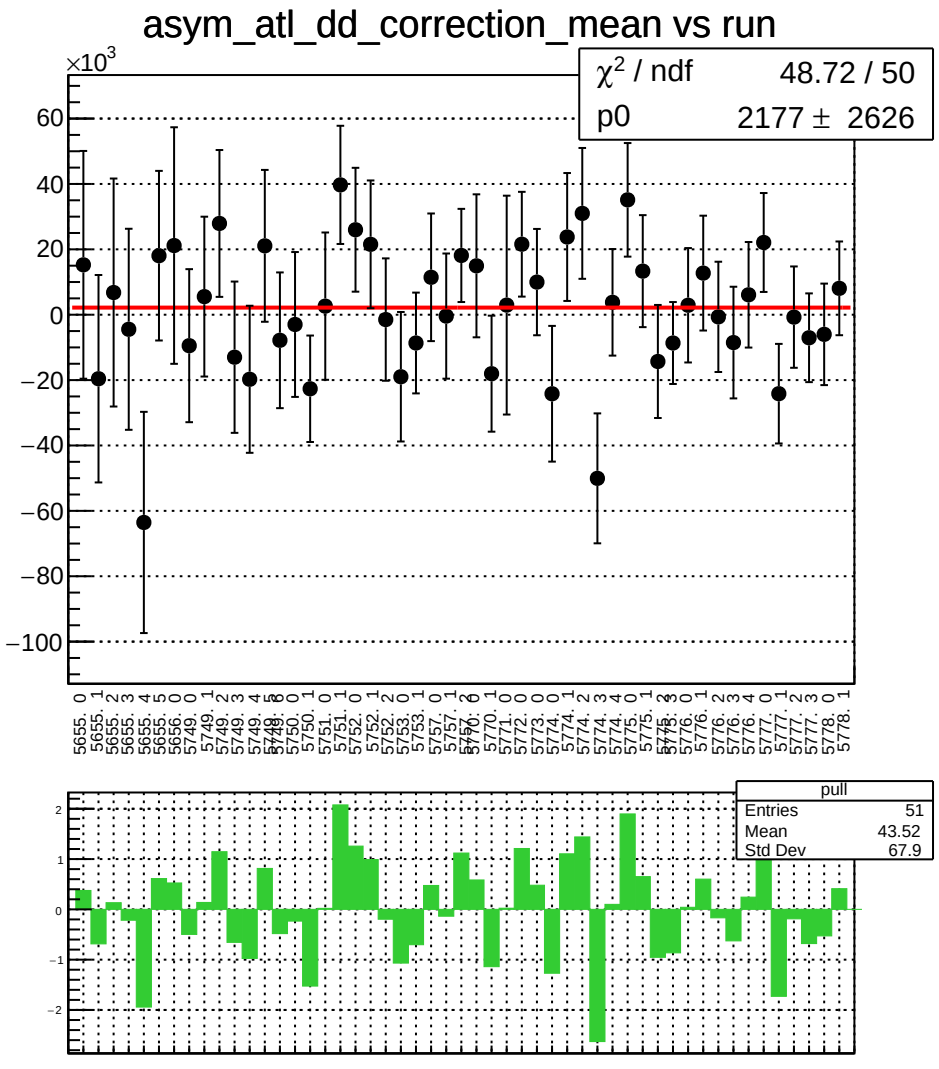

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 58.35 / 50
p0 −57.31± 7031
200
0
−200
−400
−600
−800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 0
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

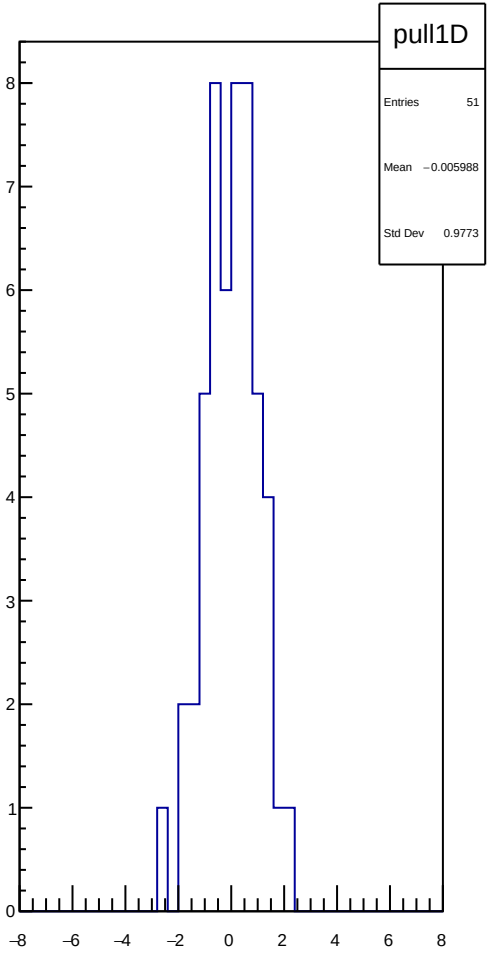

asym_atl_avg_rms vs run
χ² / ndf 1.588e+04 / 50
p0 5040 ± 4.972
18000
16000
14000
12000
10000
8000
6000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1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

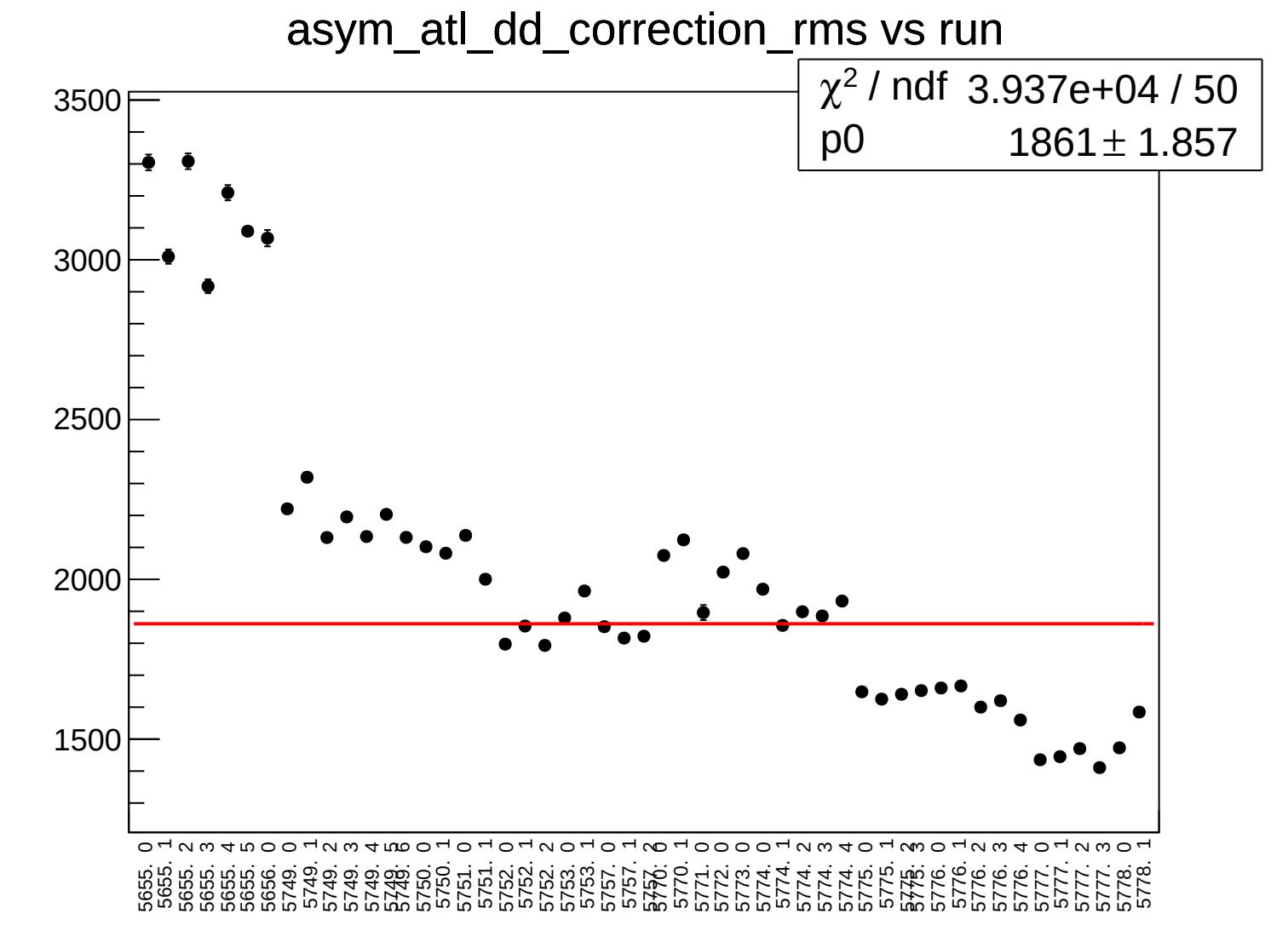

dit_asym_atl_dd_mean vs run
χ² / ndf 67.55 / 50
p0 483.7 ± 2841
pull
Entries 51
Mean −39.12
Std Dev 63.54

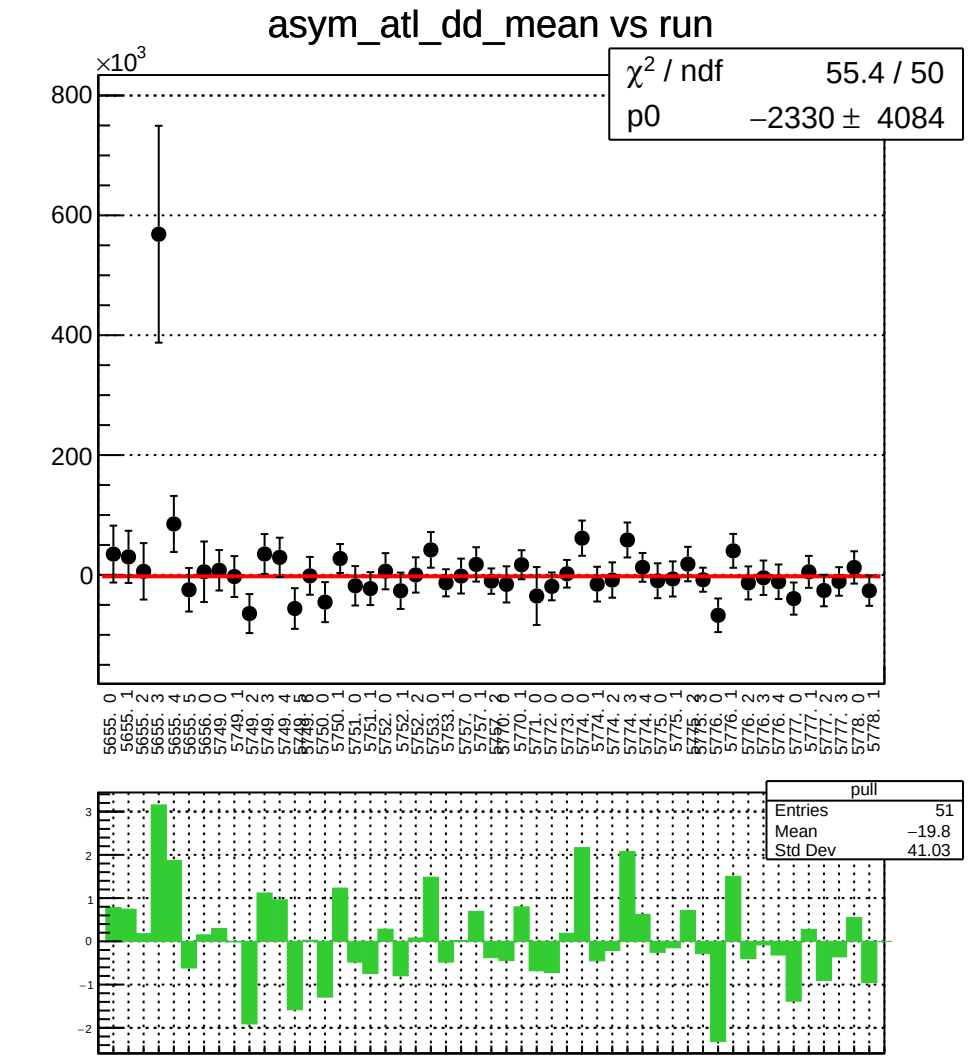

pull1D
Entries 51
Mean 0.06673
Std Dev 1.149

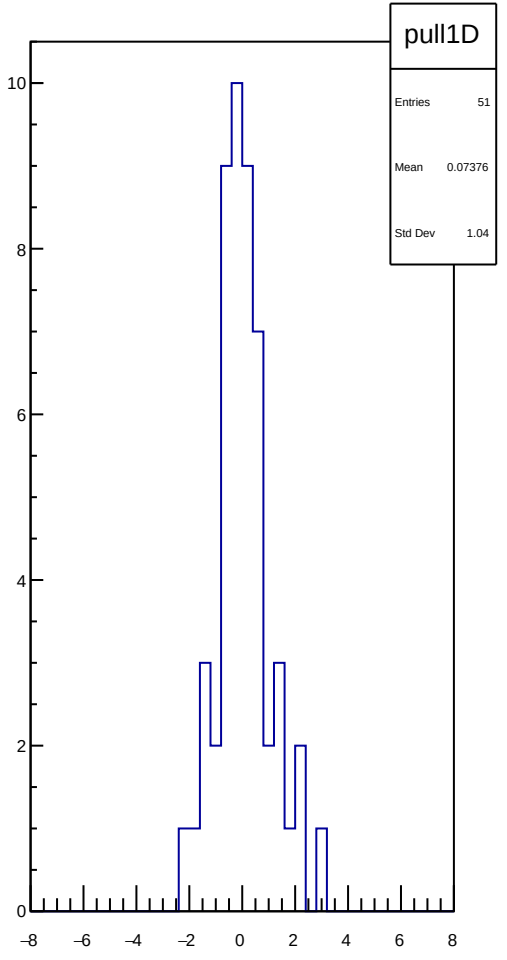

dit_asym_atl_dd_rms vs run
χ² / ndf 1.755e+04 / 50
p0 2035 ± 2.009
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

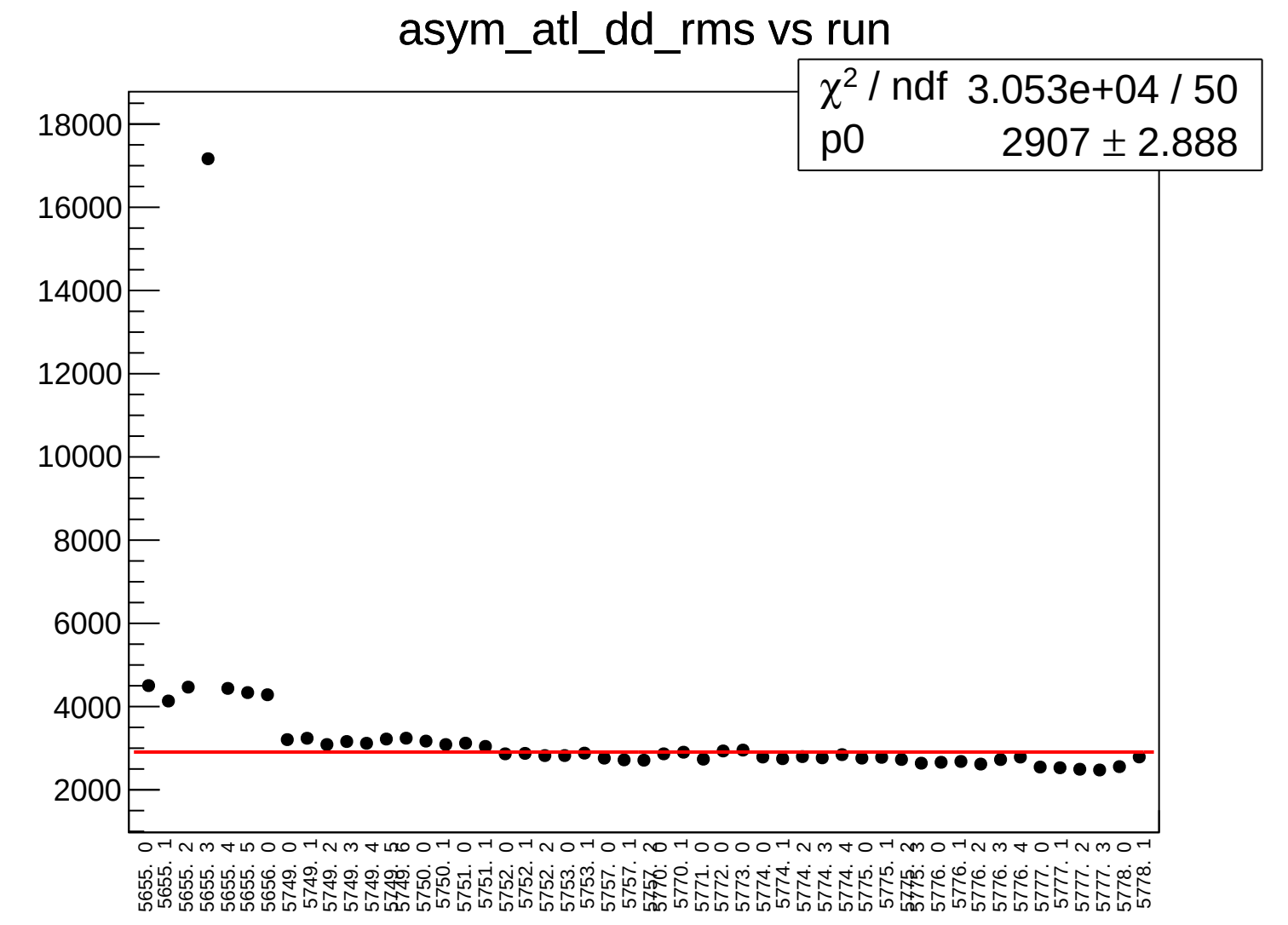

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 48.72 / 50
p0 2177 ± 2626
pull
Entries 51
Mean 43.52
Std Dev 67.9

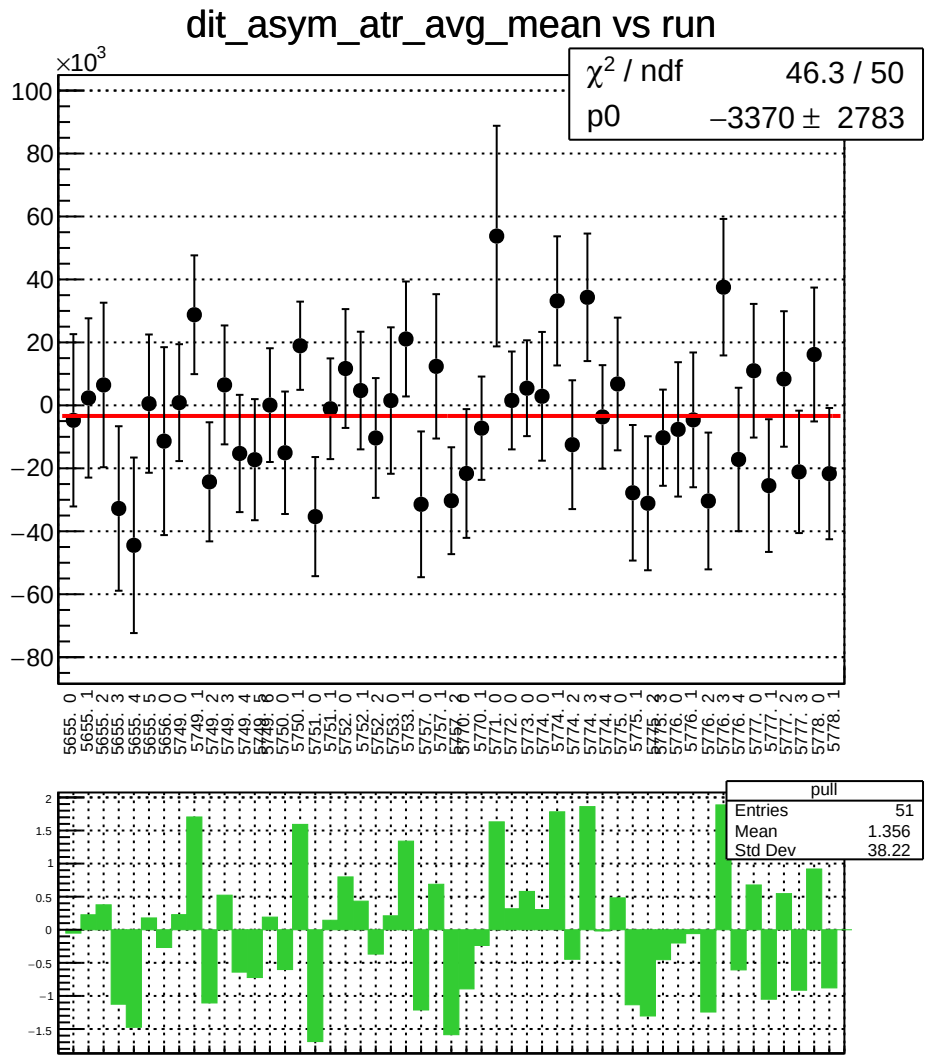

pull1D
Entries 51
Mean −0.005988
Std Dev 0.9773

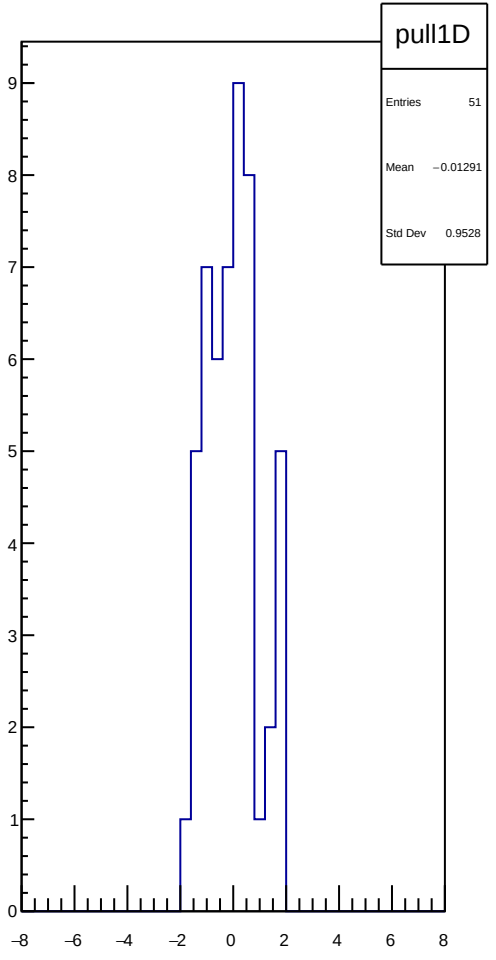

asym_atl_dd_correction_rms vs run
χ² / ndf 3.937e+04 / 50
p0 1861 ± 1.857
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

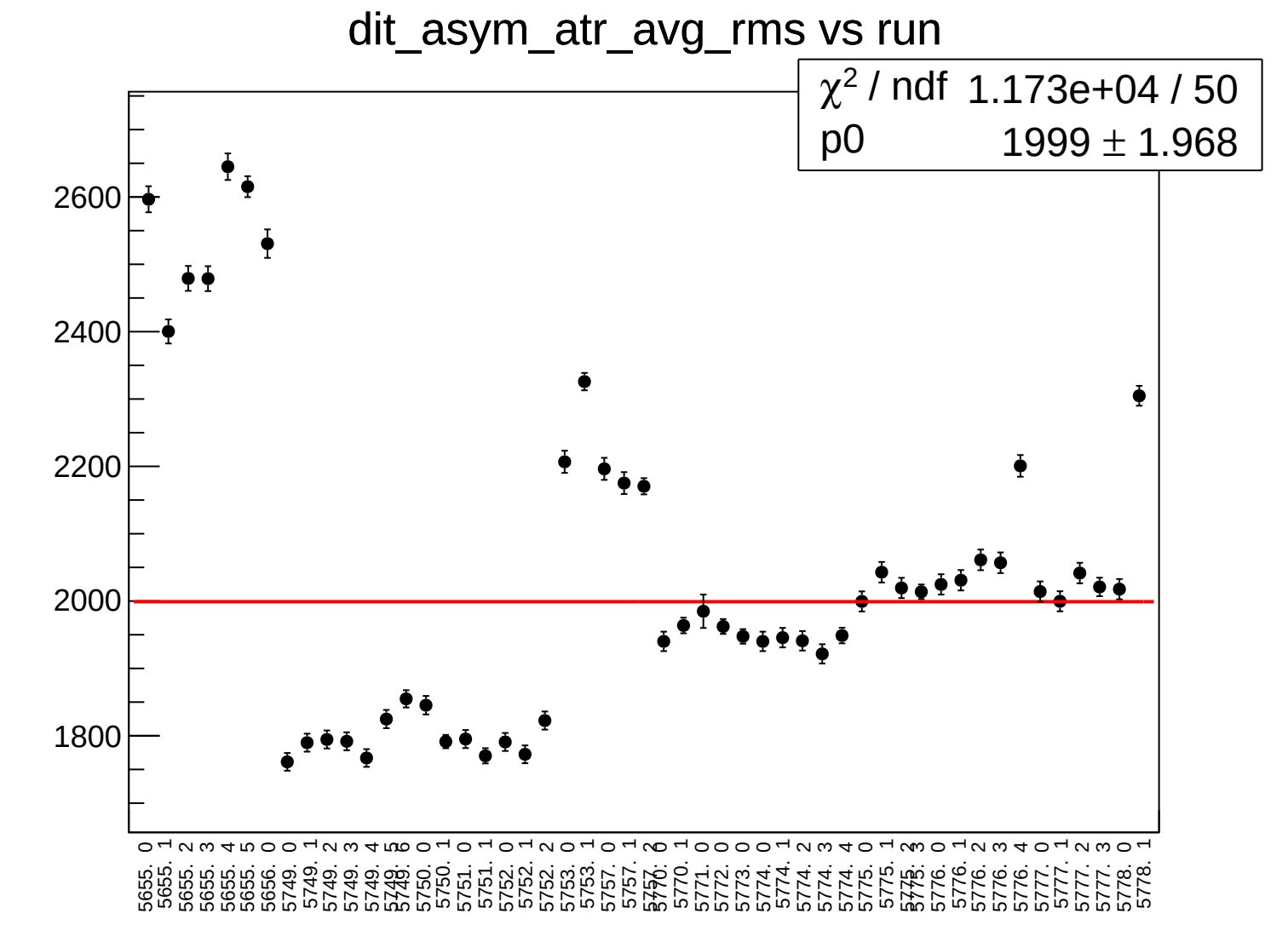

asym_atl_dd_mean vs run
×10^3
χ² / ndf 55.4 / 50
p0 −2330 ± 4084
800
600
400
200
0
pull
Entries 51
Mean −19.8
Std Dev 41.03
3
2
1
0
−1
−2

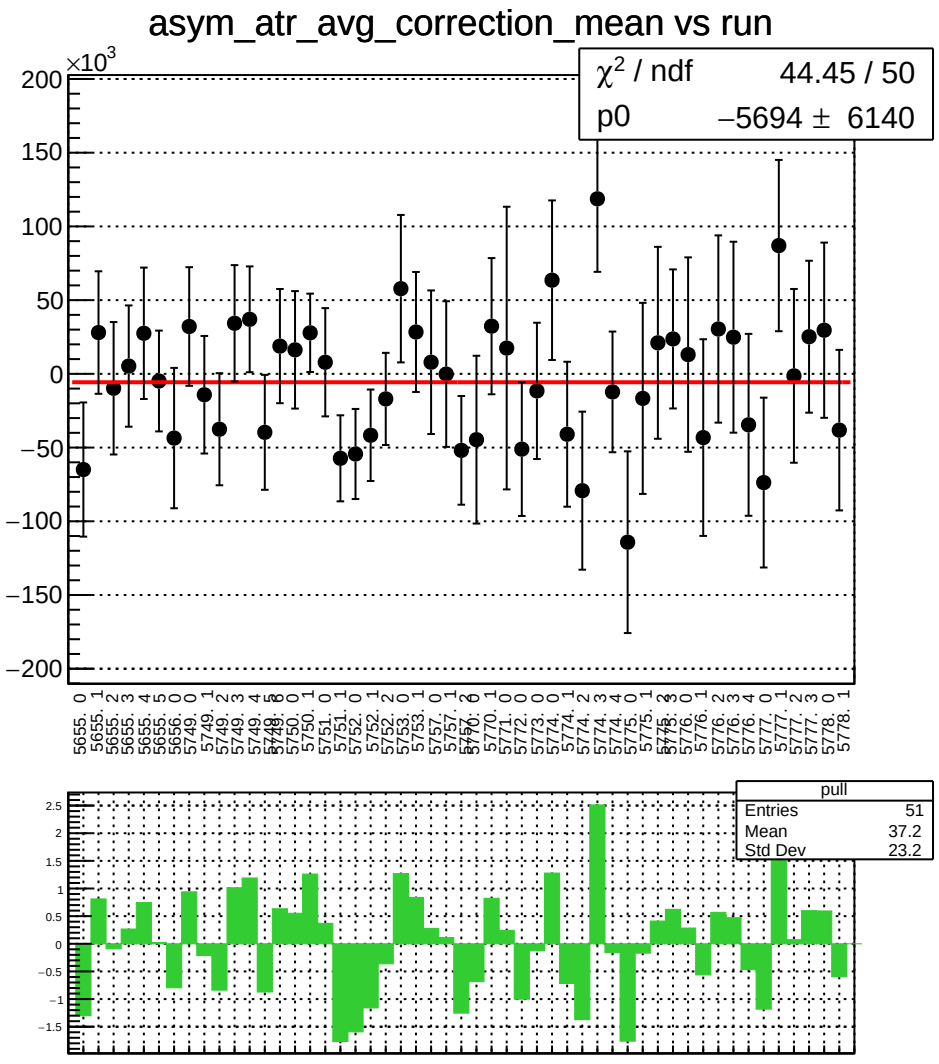

pull1D
Entries 51
Mean 0.07376
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

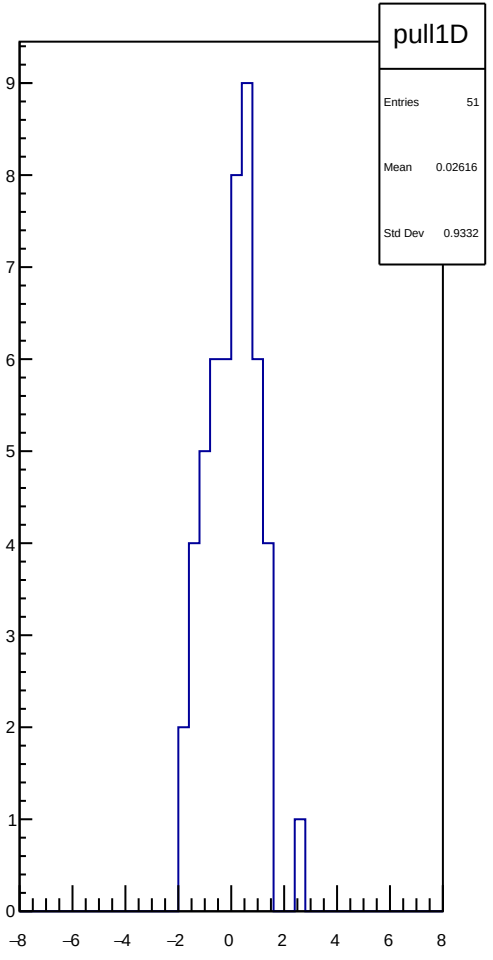

asym_atl_dd_rms vs run
χ^2 / ndf 3.053e+04 / 50
p0 2907 ± 2.888
18000
16000
14000
12000
10000
8000
6000
4000
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757.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

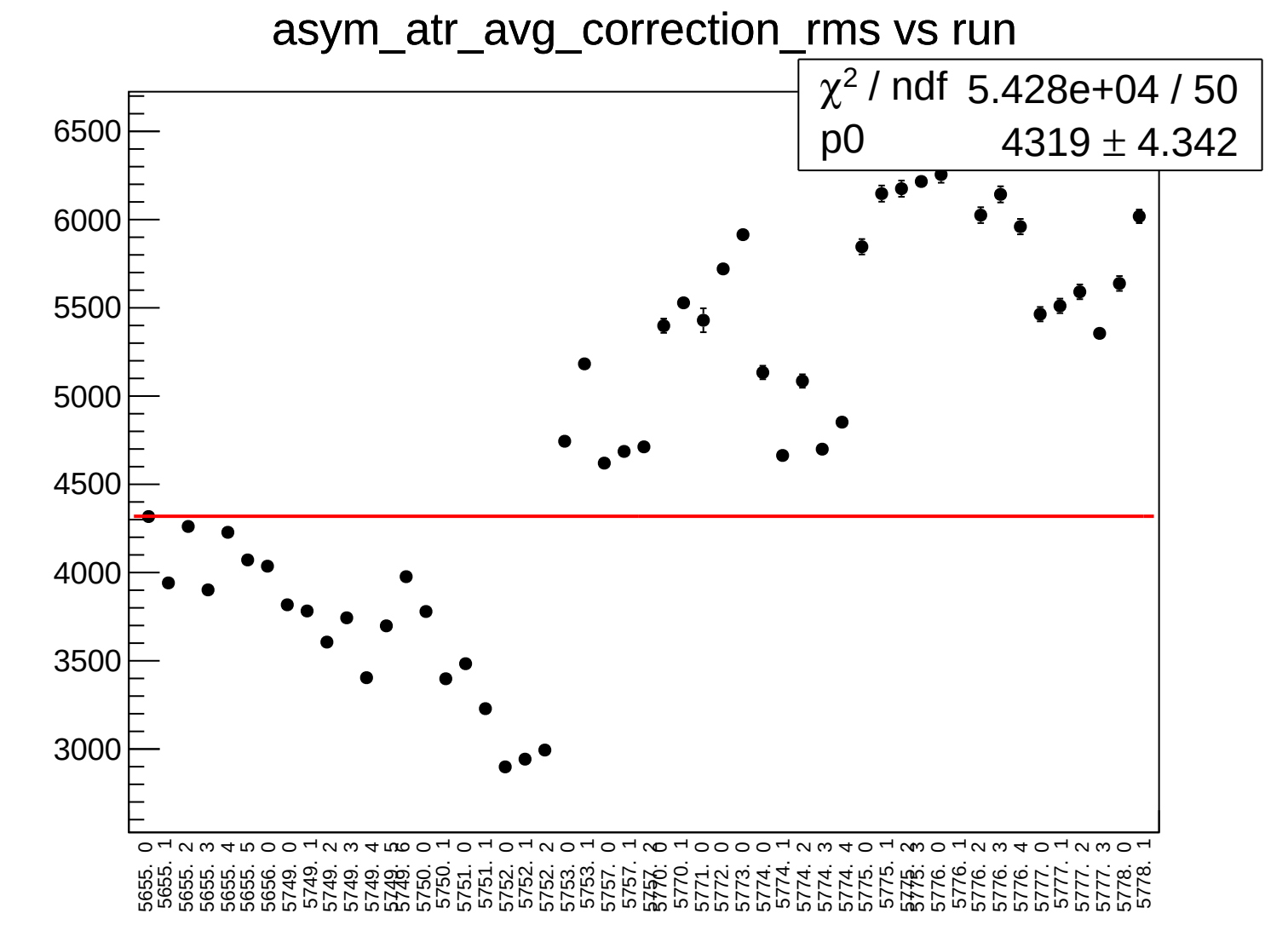

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 46.3 / 50
p0 −3370 ± 2783
pull
Entries 51
Mean 1.356
Std Dev 38.22

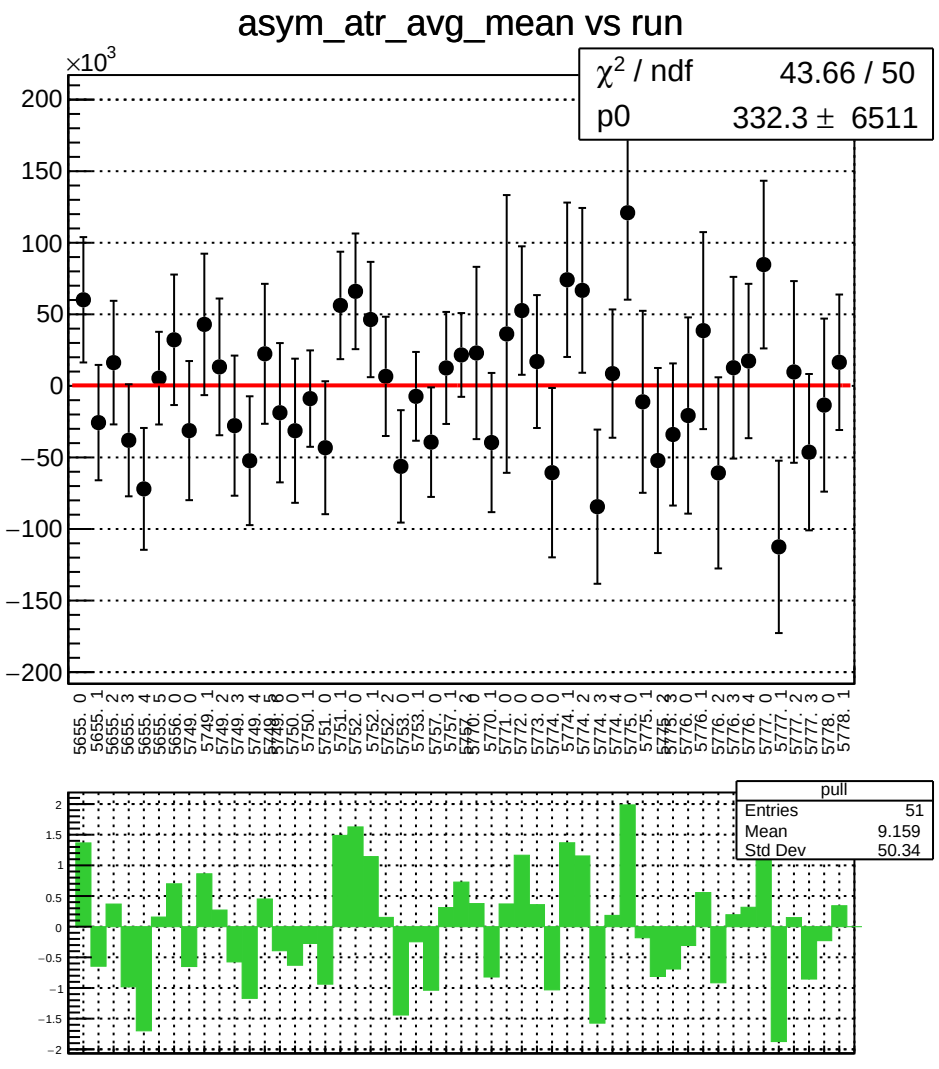

pull1D
Entries 51
Mean −0.01291
Std Dev 0.9528

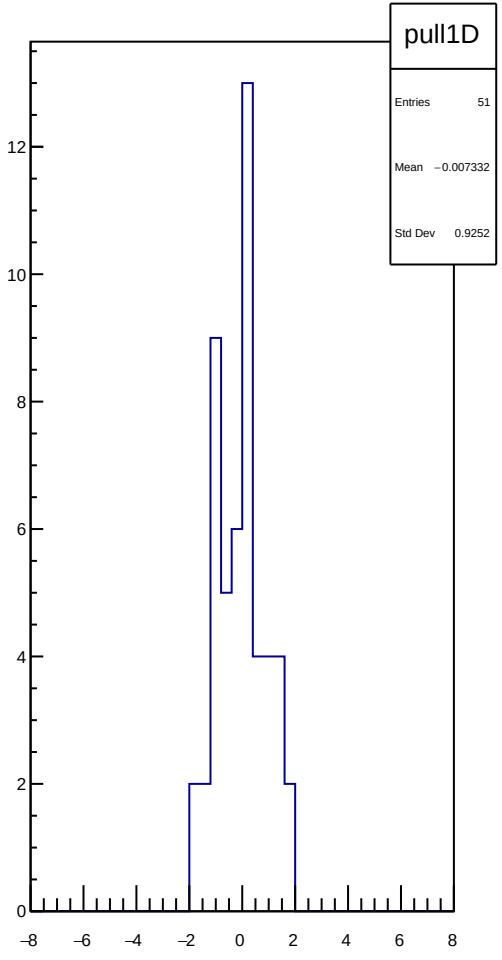

dit_asym_atr_avg_rms vs run
χ² / ndf 1.173e+04 / 50
p0 1999 ± 1.968
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
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

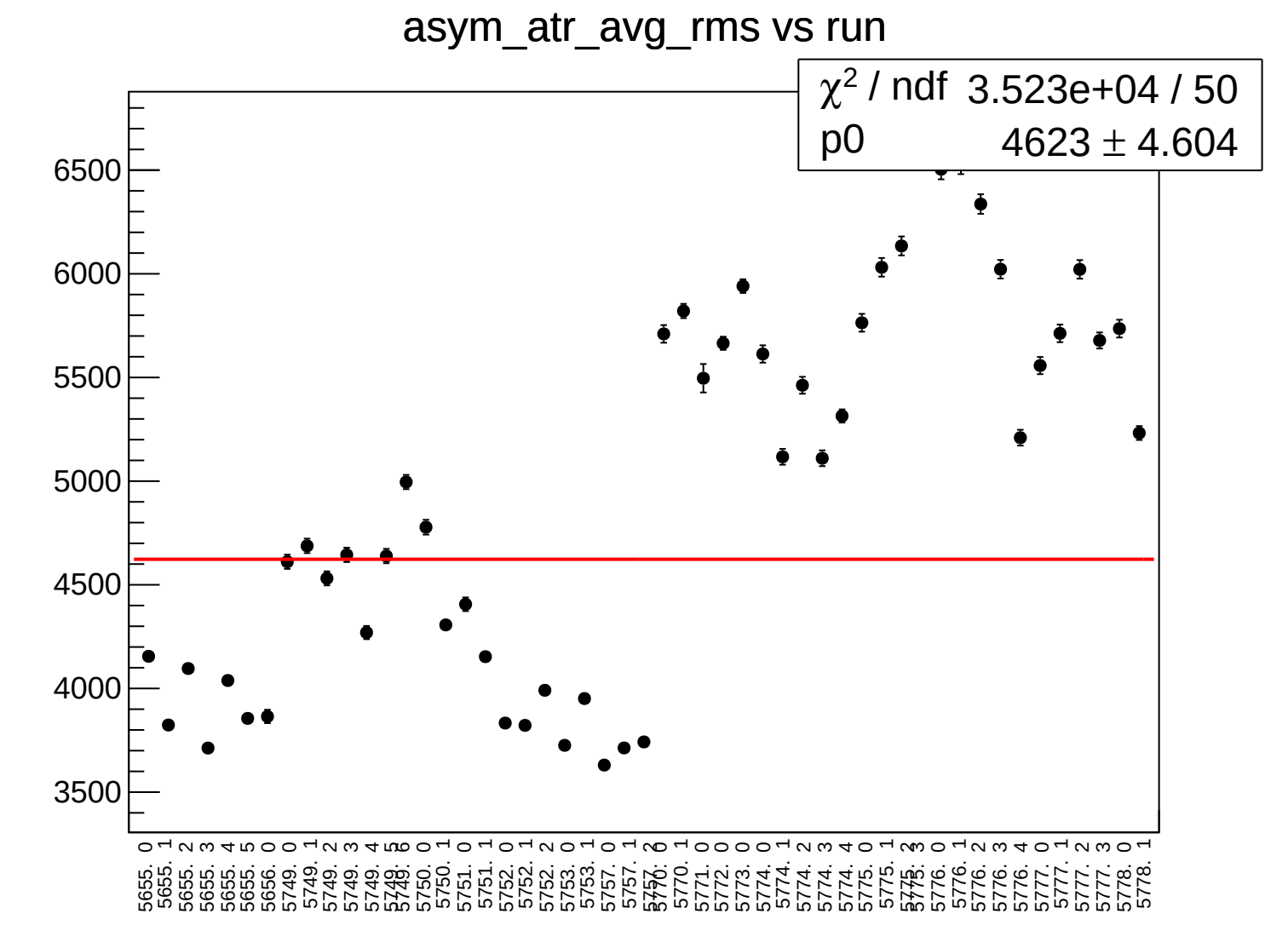

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 44.45 / 50
p0 −5694 ± 6140
pull
Entries 51
Mean 37.2
Std Dev 23.2

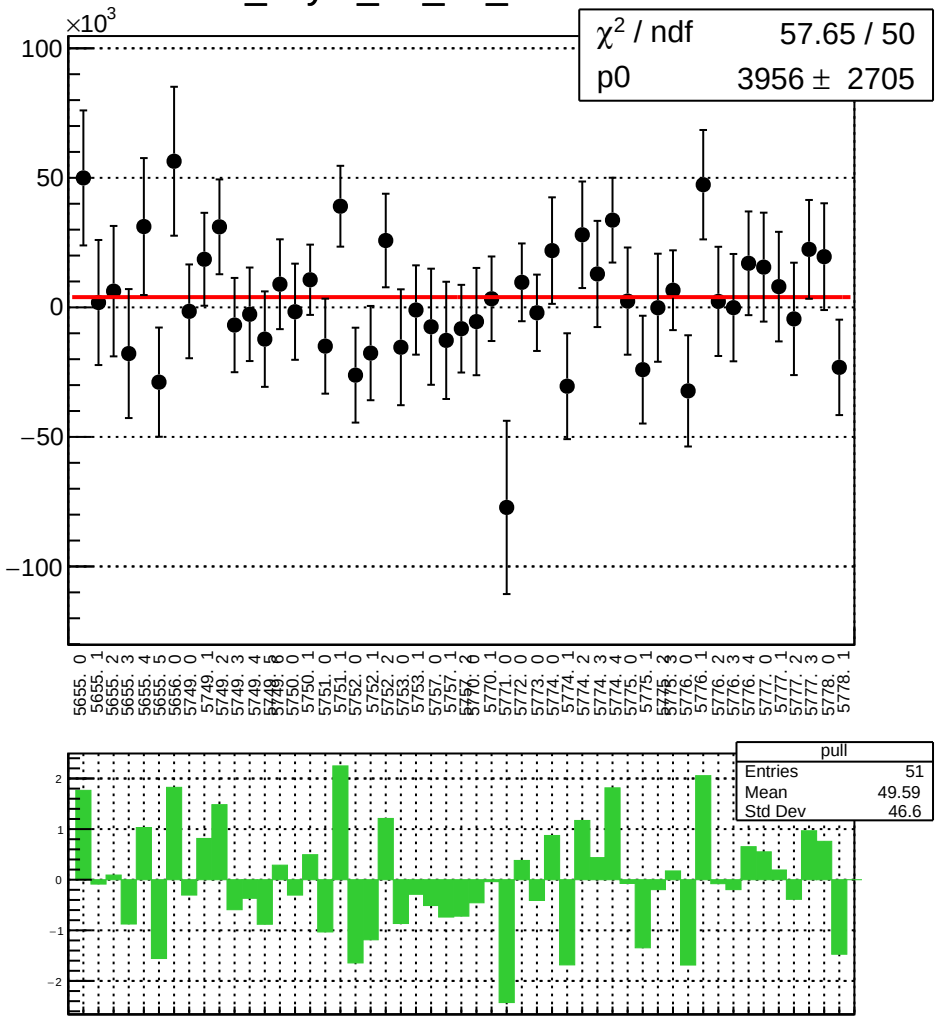

pull1D
Entries 51
Mean 0.02616
Std Dev 0.9332

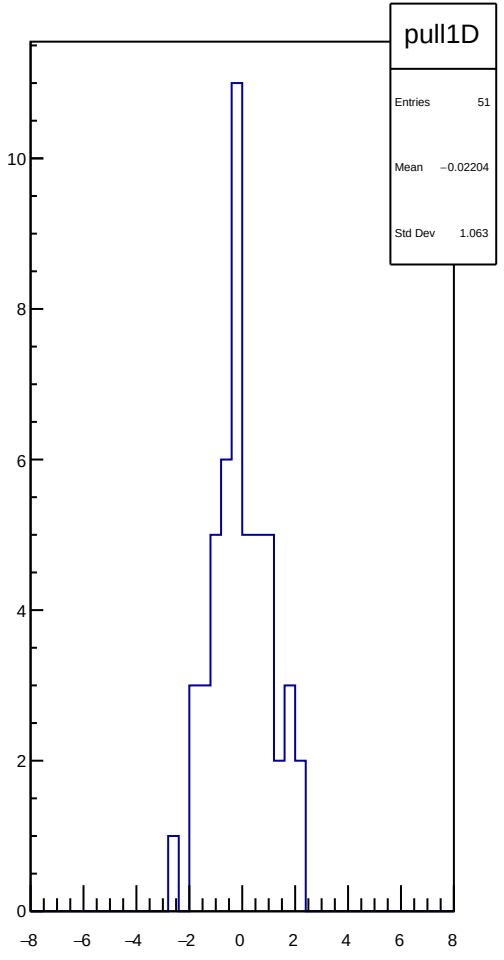

asym_atr_avg_correction_rms vs run
χ² / ndf 5.428e+04 / 50
p0 4319 ± 4.342
6500
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

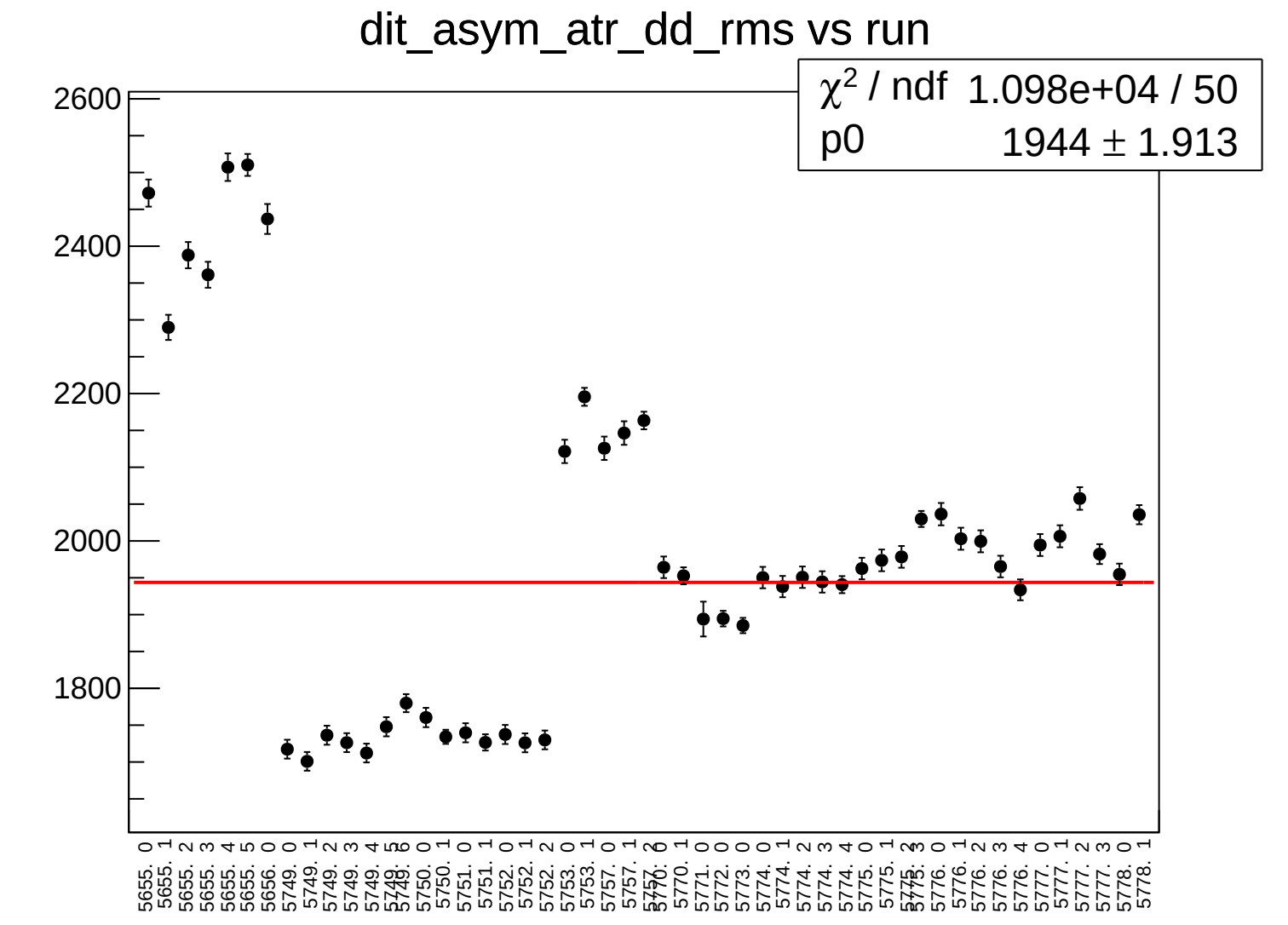

asym_atr_avg_mean vs run
×10^3
χ² / ndf 43.66 / 50
p0 332.3 ± 6511
200
150
100
50
0
−50
−100
−150
−200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 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

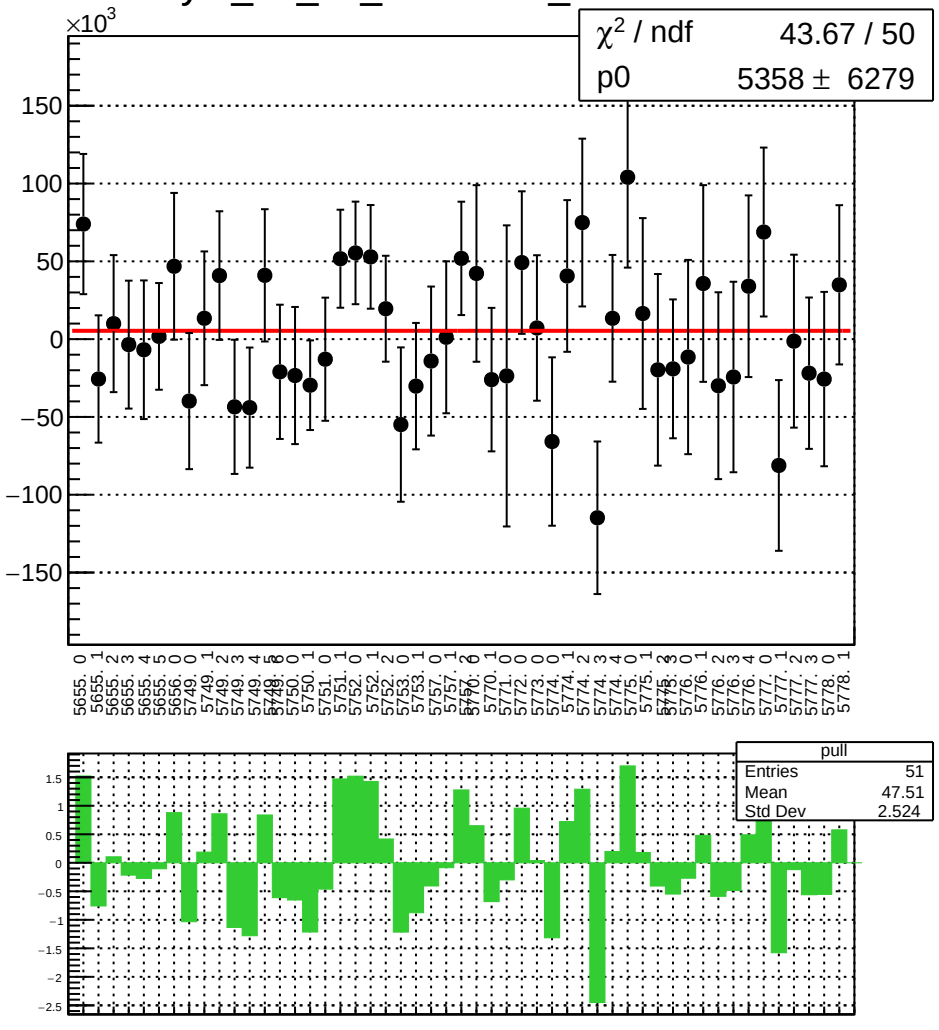

pull1D
Entries 51
Mean −0.007332
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

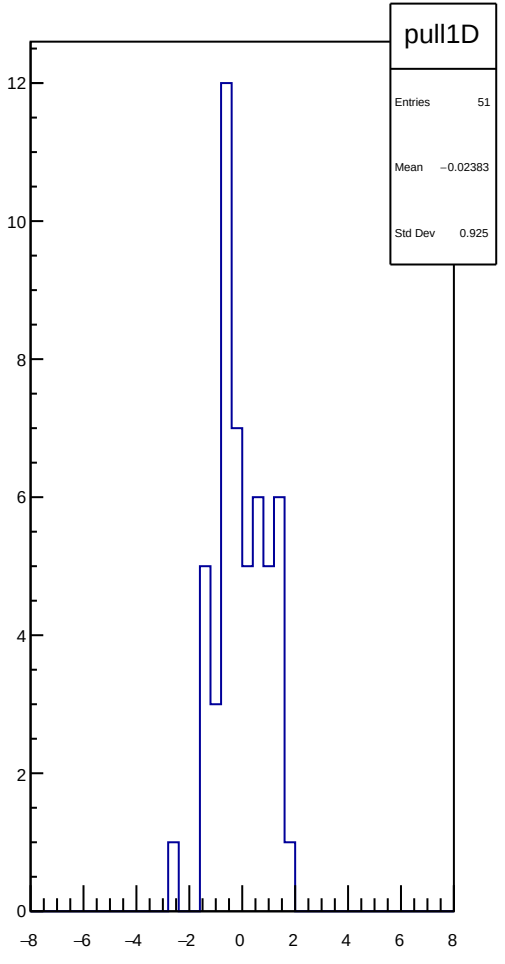

asym_atr_avg_rms vs run
χ² / ndf 3.523e+04 / 50
p0 4623 ± 4.604
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757.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

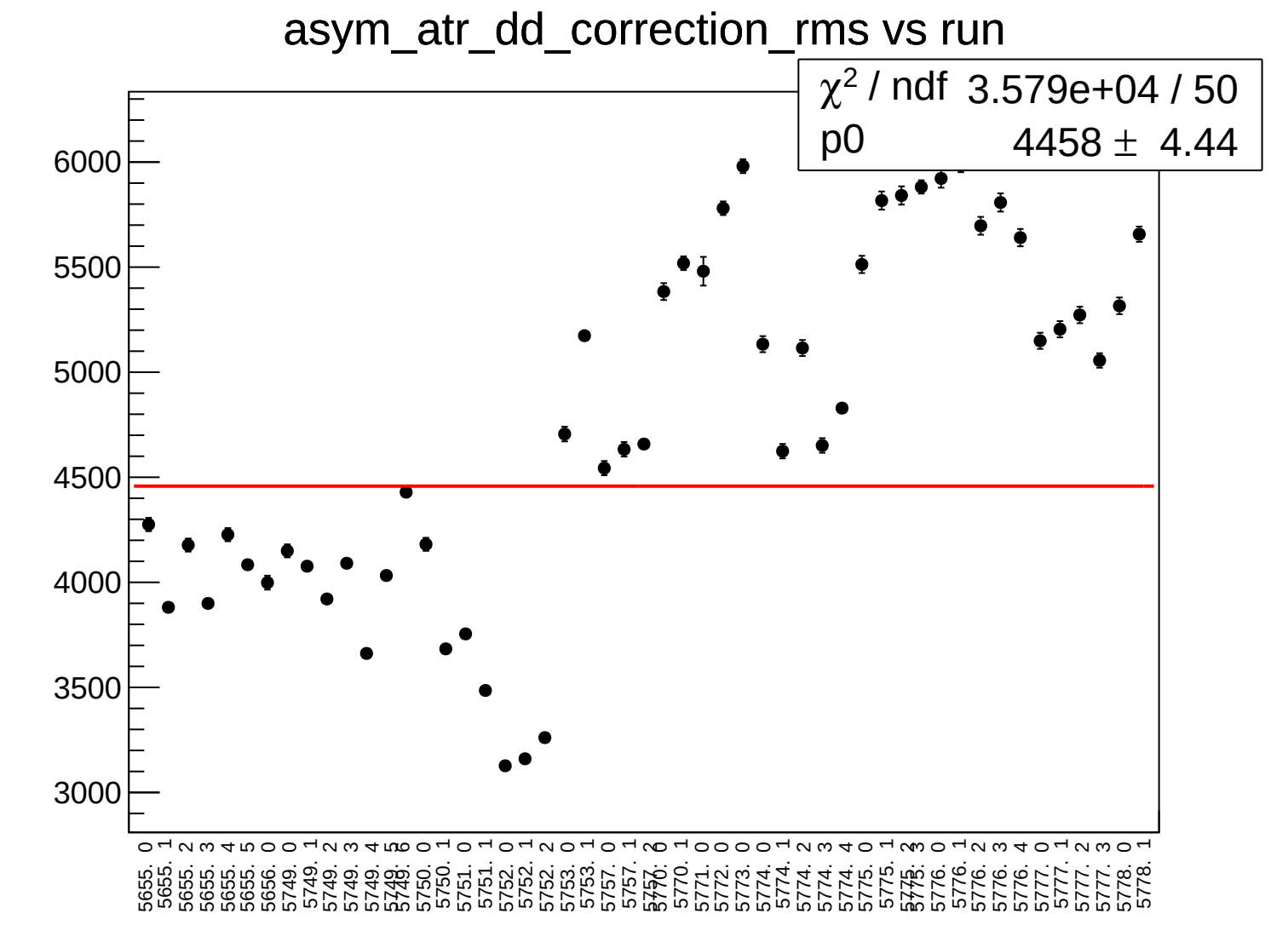

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 57.65 / 50
p0 3956 ± 2705
pull
Entries 51
Mean 49.59
Std Dev 46.6

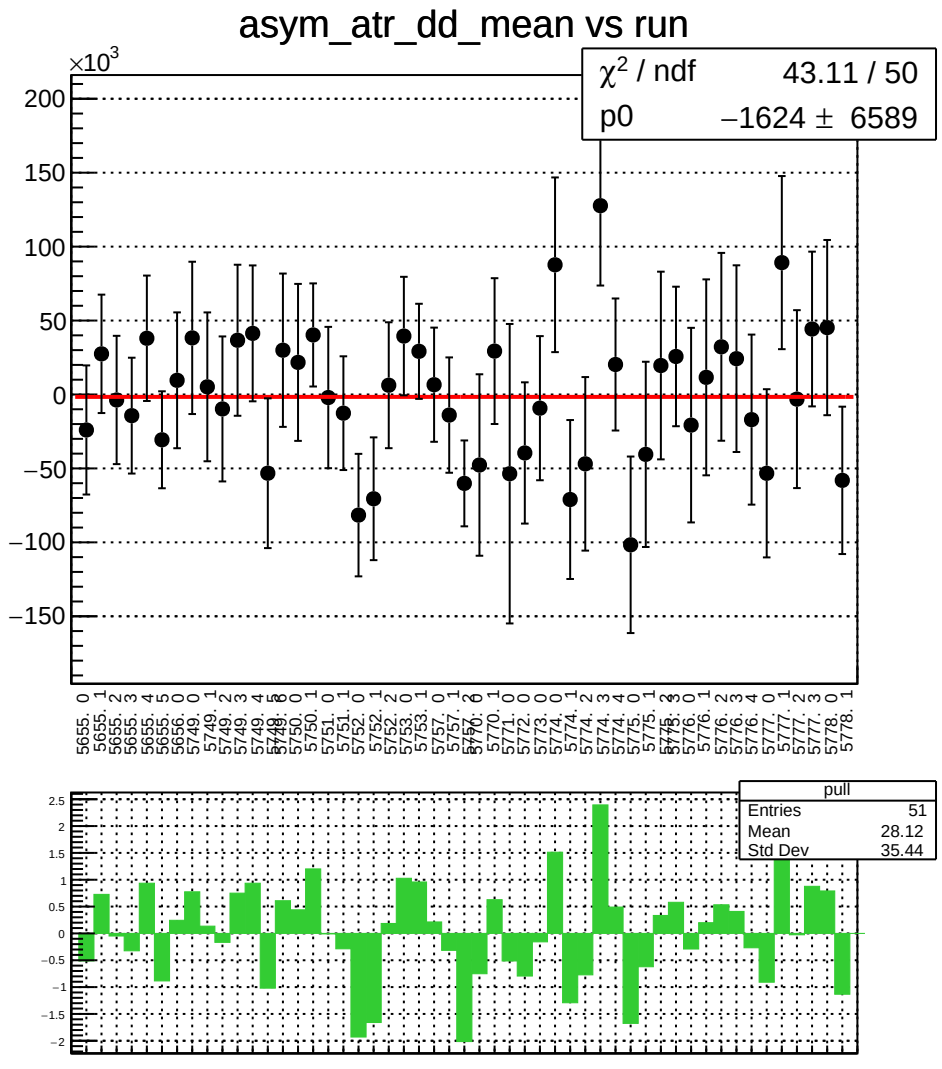

pull1D
Entries 51
Mean −0.02204
Std Dev 1.063

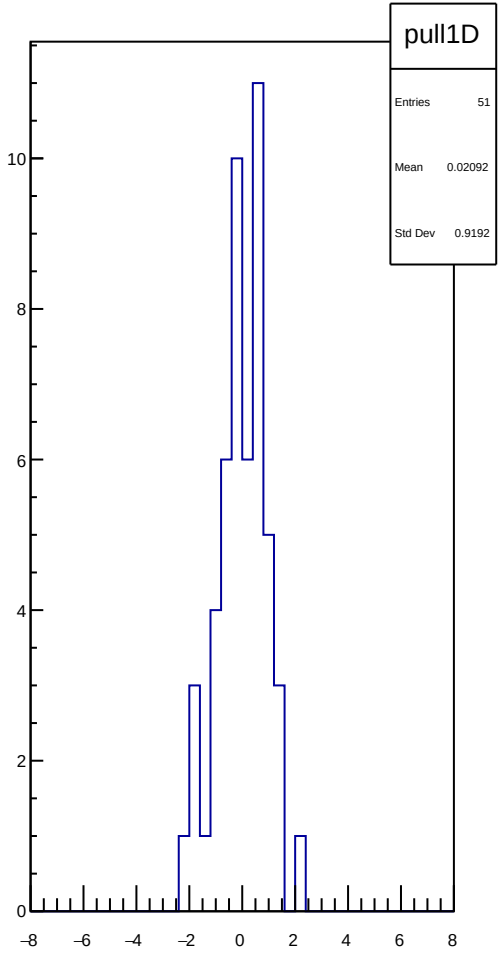

dit_asym_atr_dd_rms vs run
χ² / ndf 1.098e+04 / 50
p0 1944 ± 1.913
2600
2400
2200
2000
1800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
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5751. 1
5752. 0
5752. 1
5752. 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
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5776. 3
5776. 4
5777. 0
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5777. 2
5777. 3
5778. 0
5778. 1

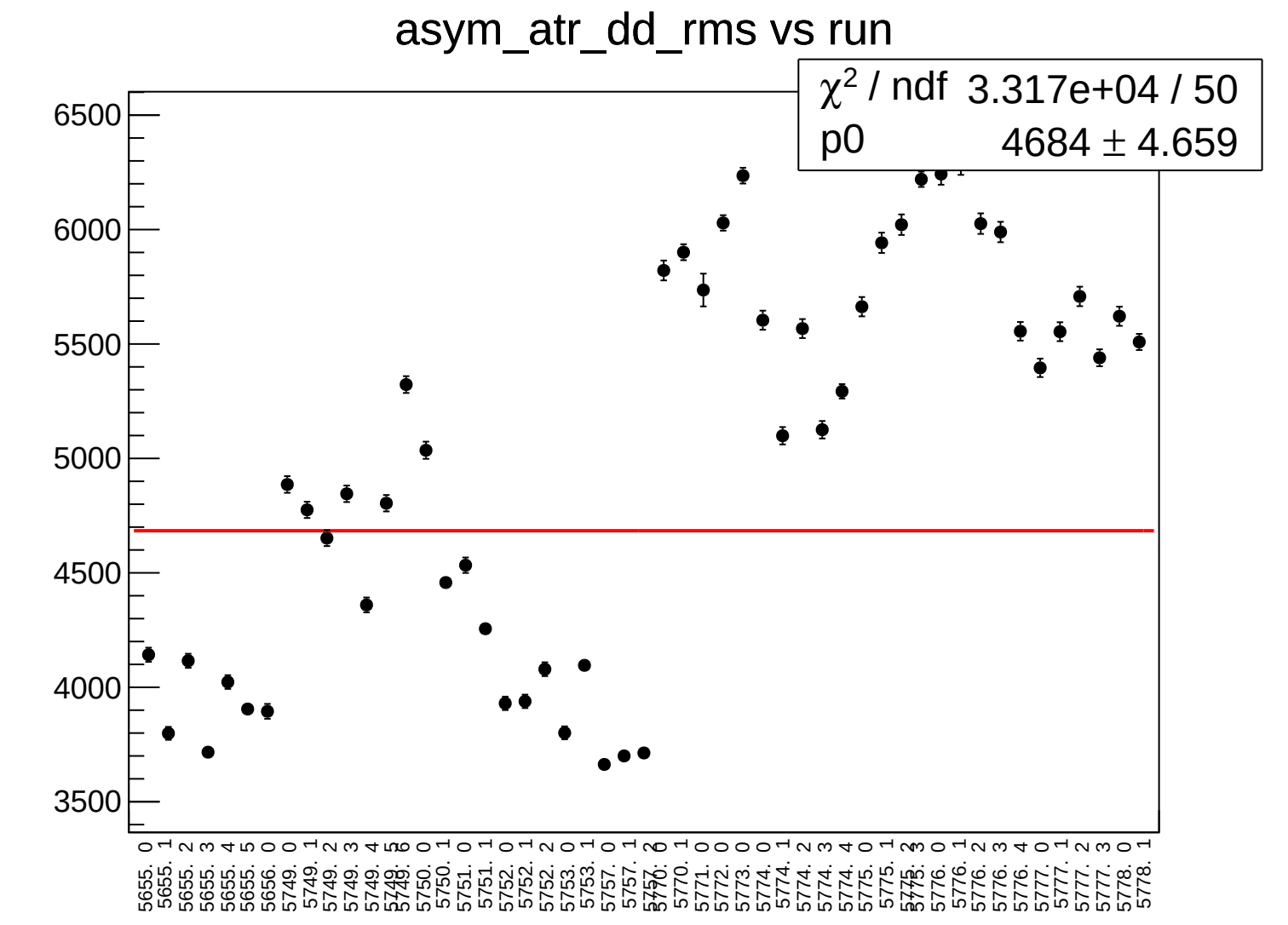

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 43.67 / 50
p0 5358 ± 6279
pull
Entries 51
Mean 47.51
Std Dev 2.524

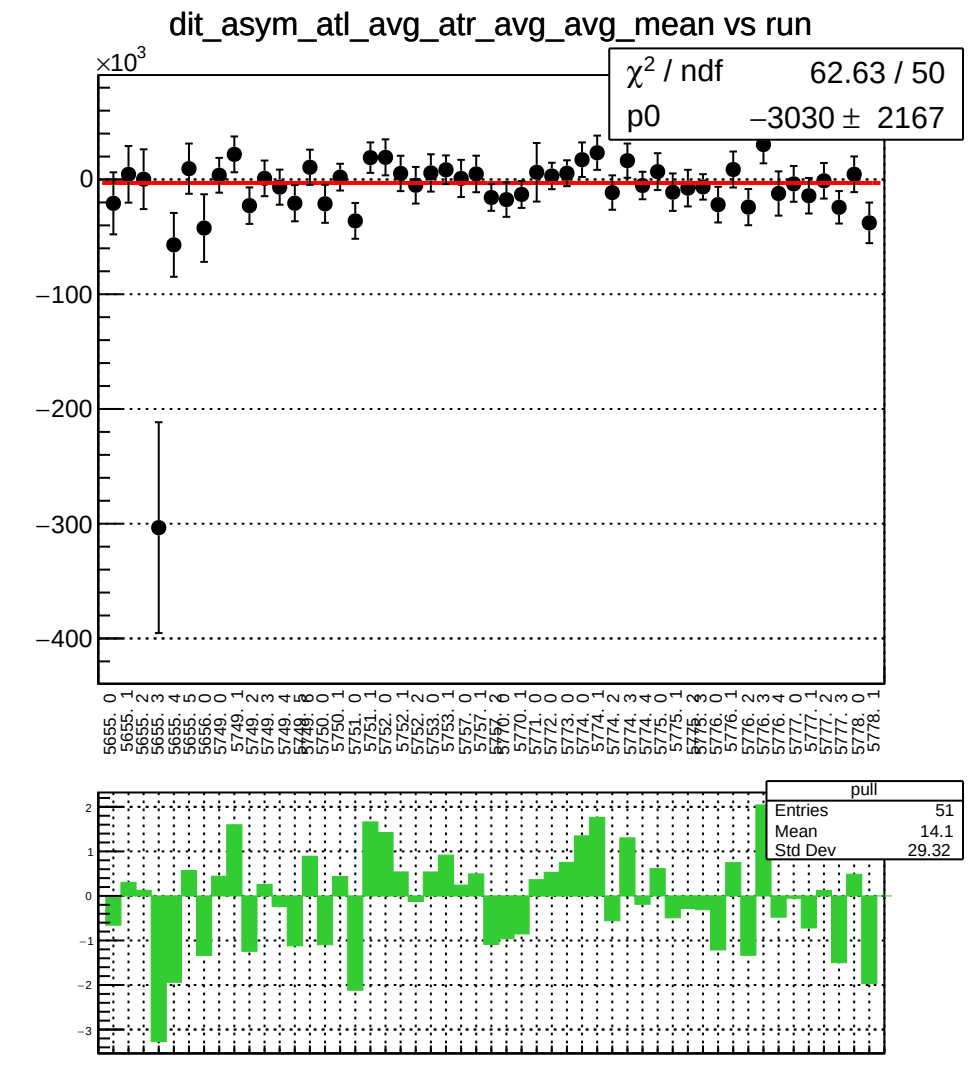

pull1D
Entries 51
Mean −0.02383
Std Dev 0.925

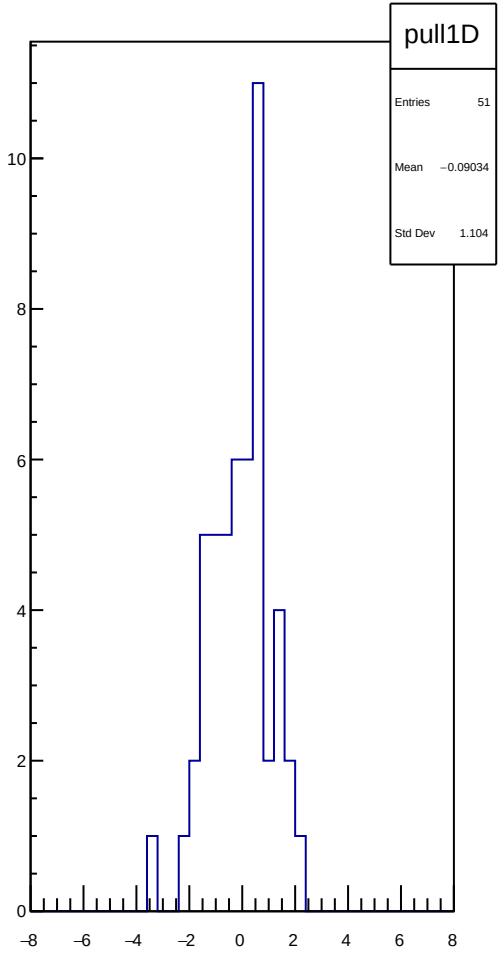

asym_atr_dd_correction_rms vs run
χ² / ndf 3.579e+04 / 50
p0 4458 ± 4.44
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

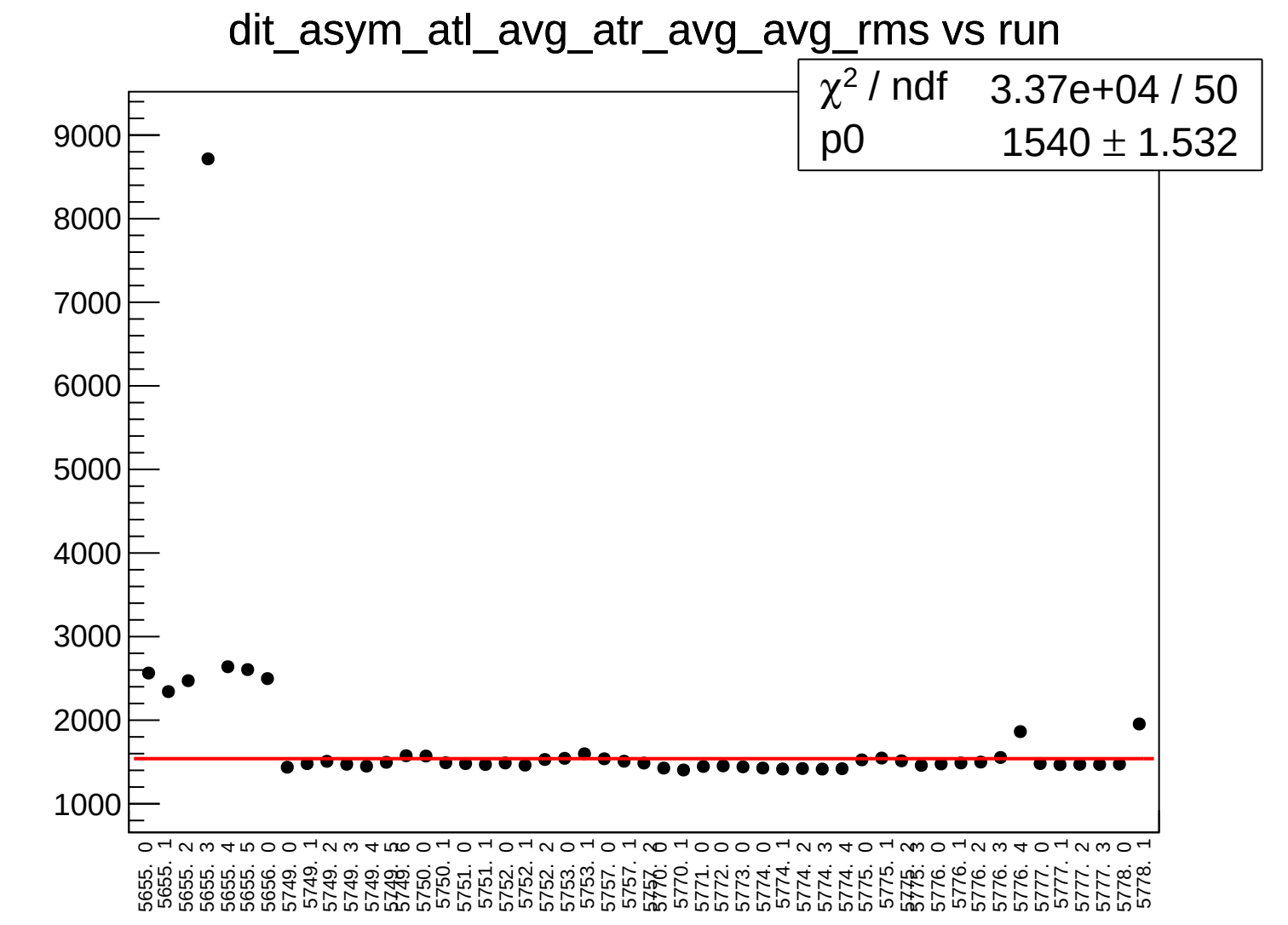

asym_atr_dd_mean vs run
×10^3
χ² / ndf 43.11 / 50
p0 −1624 ± 6589
200
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 28.12
Std Dev 35.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

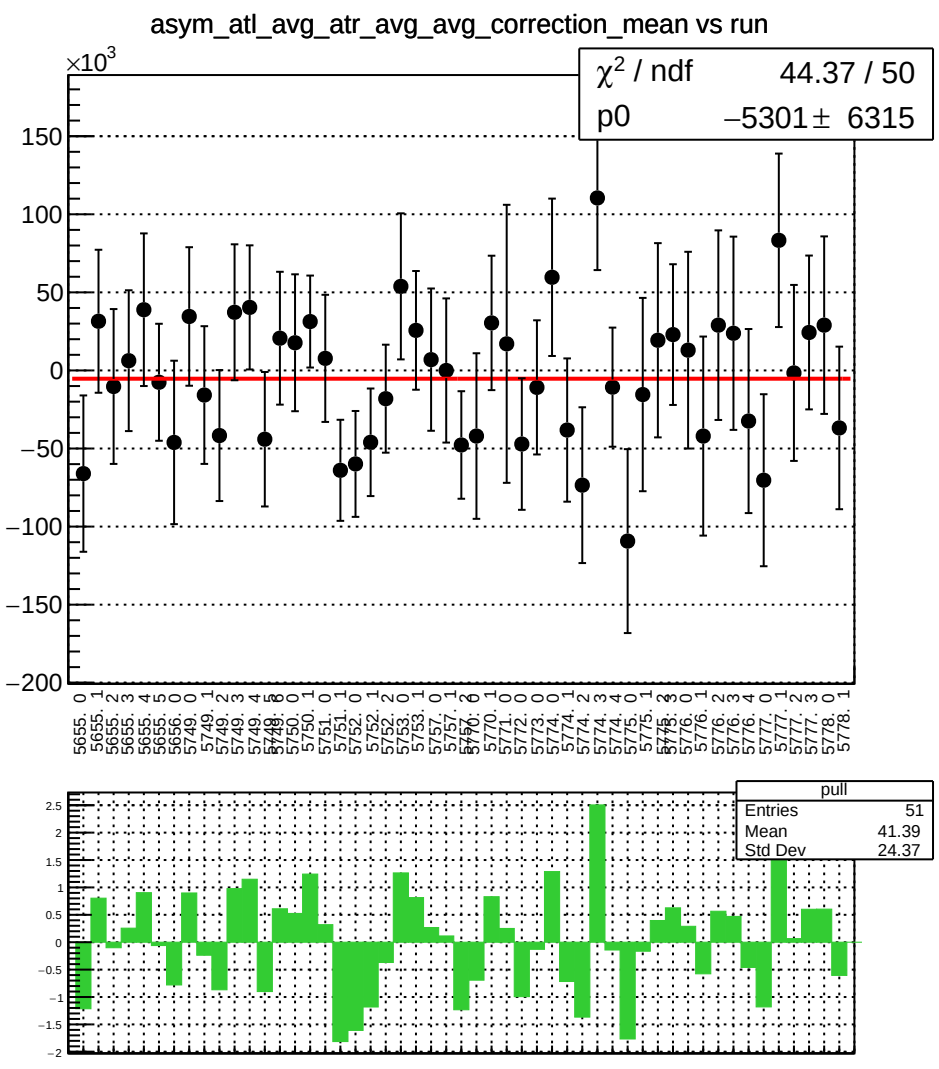

pull1D
Entries 51
Mean 0.02092
Std Dev 0.9192
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

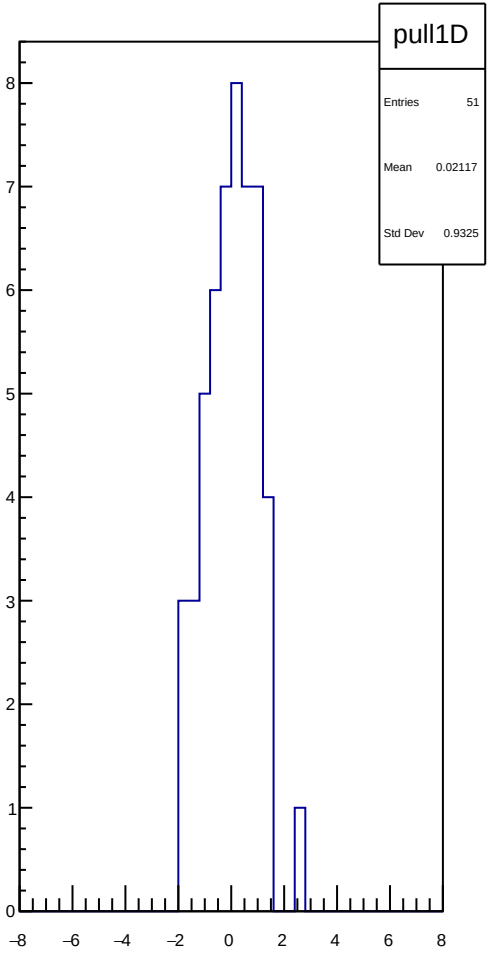

asym_atr_dd_rms vs run
χ² / ndf 3.317e+04 / 50
p0 4684 ± 4.659
6500
6000
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757.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

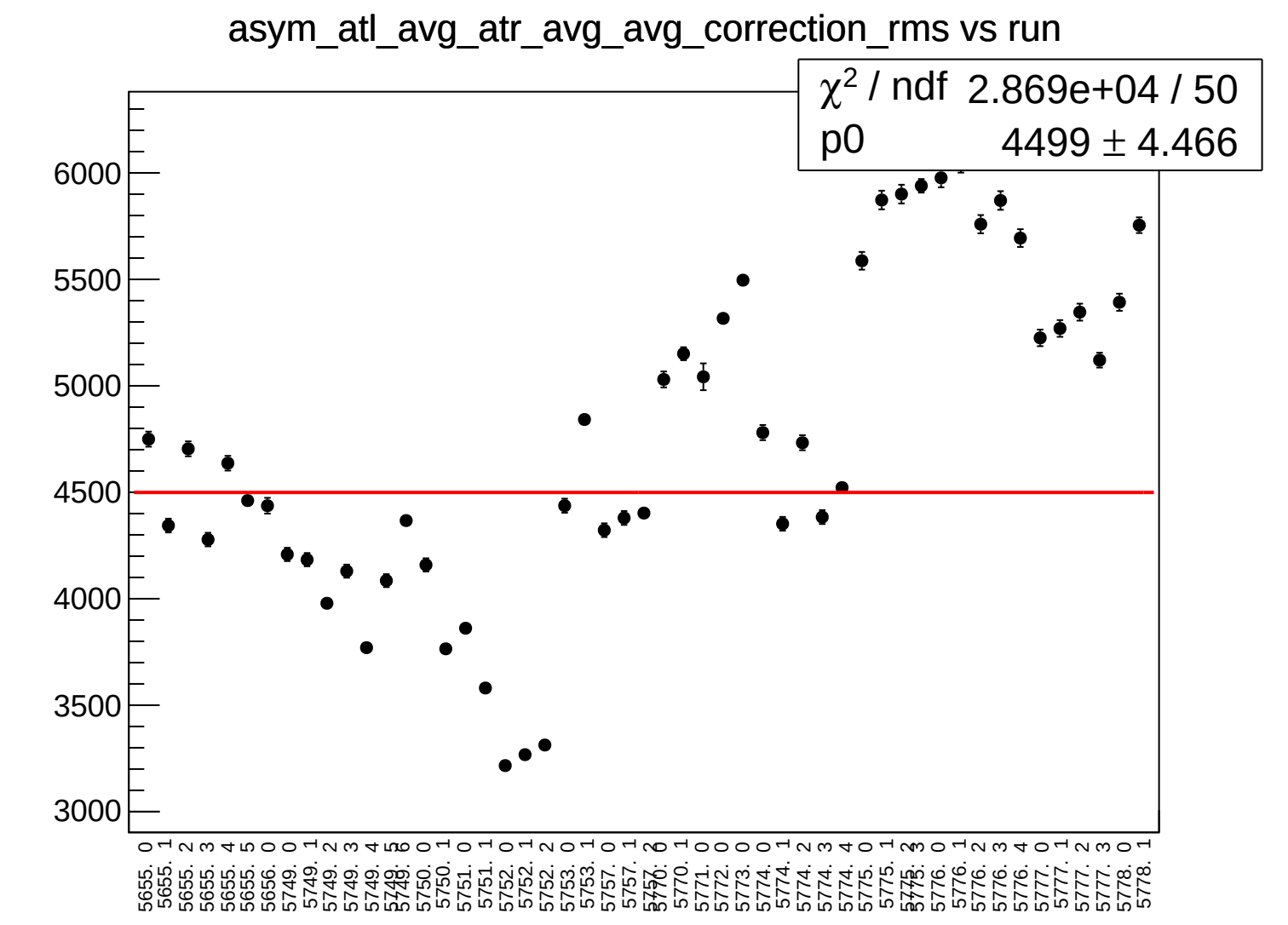

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 62.63 / 50
p0 −3030 ± 2167
×10³
pull
Entries 51
Mean 14.1
Std Dev 29.32

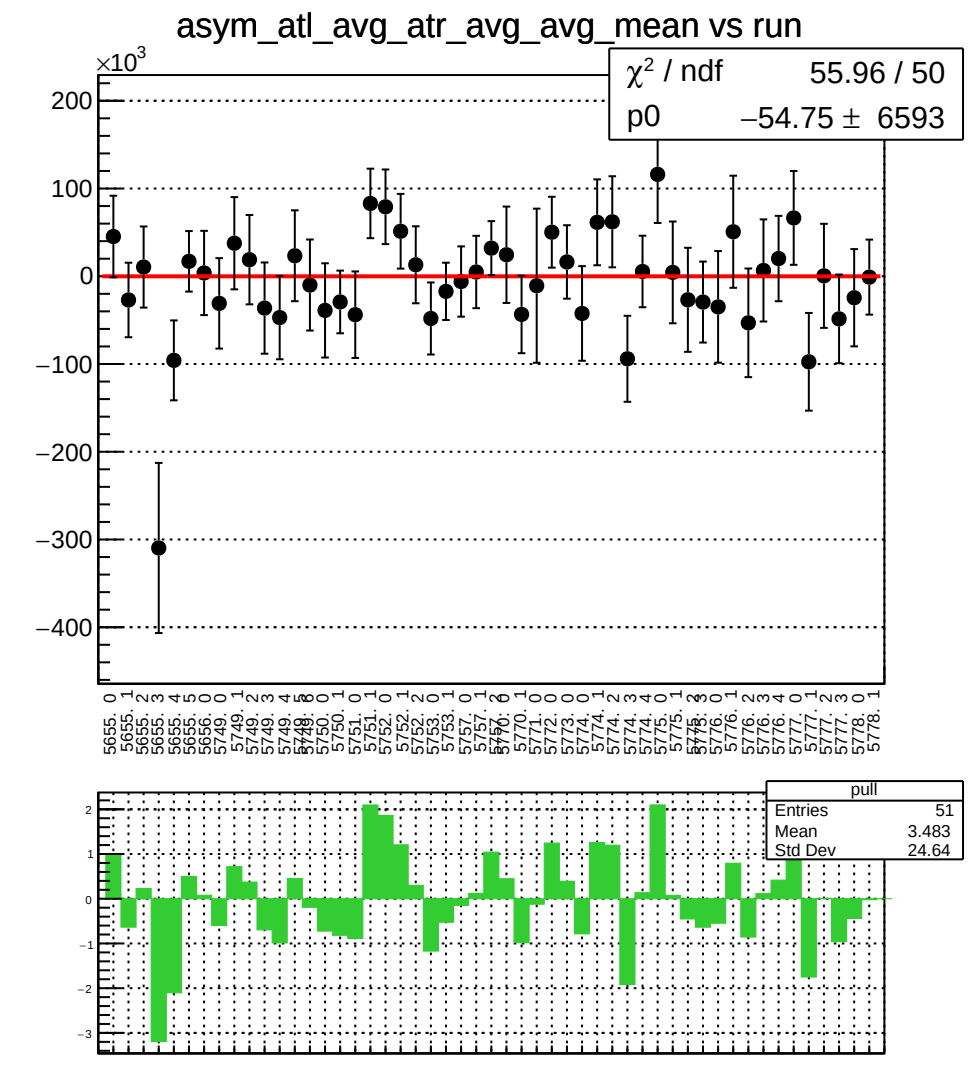

pull1D
Entries 51
Mean −0.09034
Std Dev 1.104

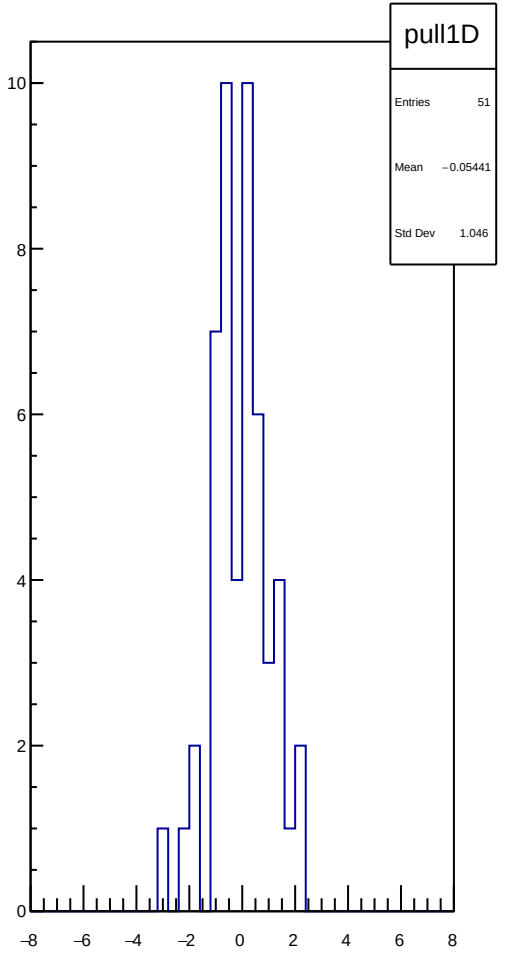

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3.37e+04 / 50
p0 1540 ± 1.532
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

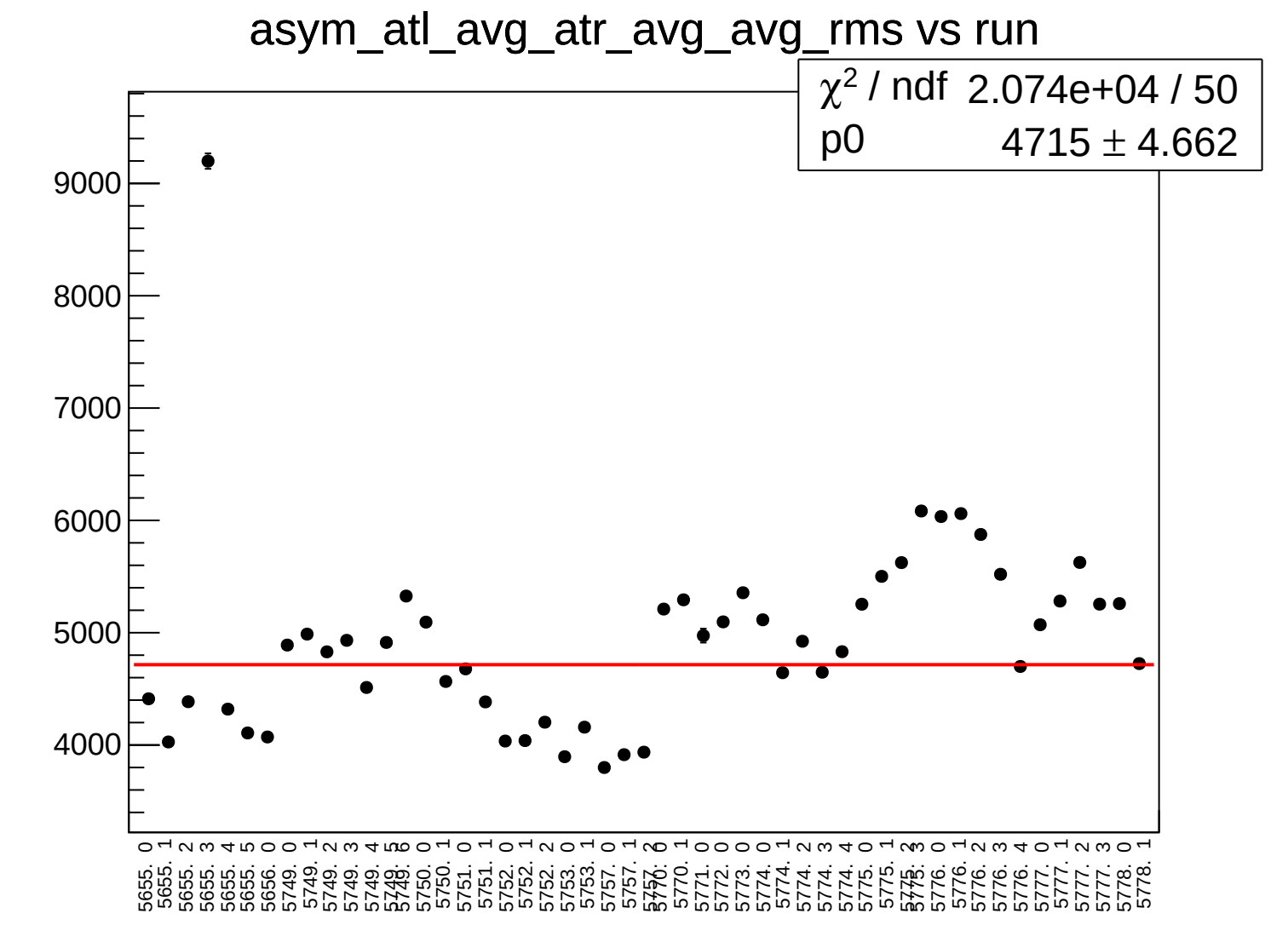

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 44.37 / 50
p0 −5301 ± 6315
×10³
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 41.39
Std Dev 24.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

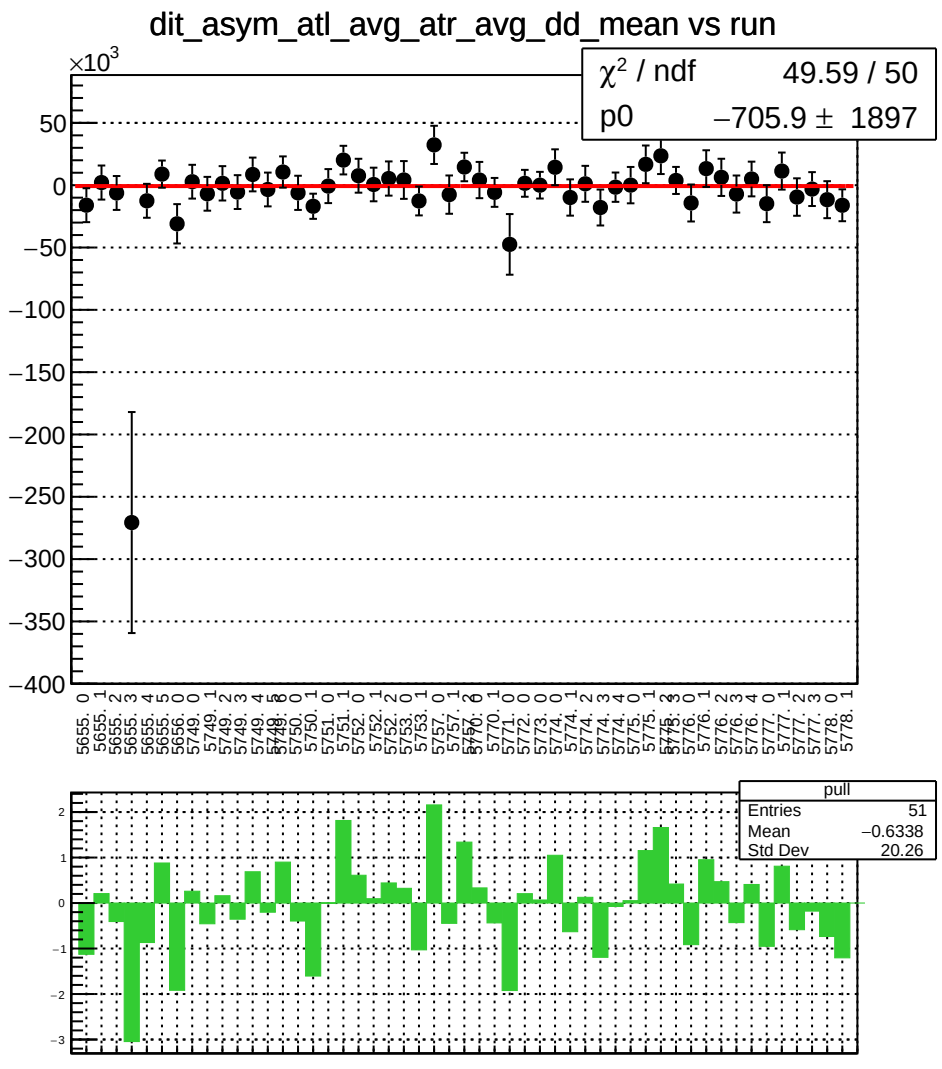

pull1D
Entries 51
Mean 0.02117
Std Dev 0.9325
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

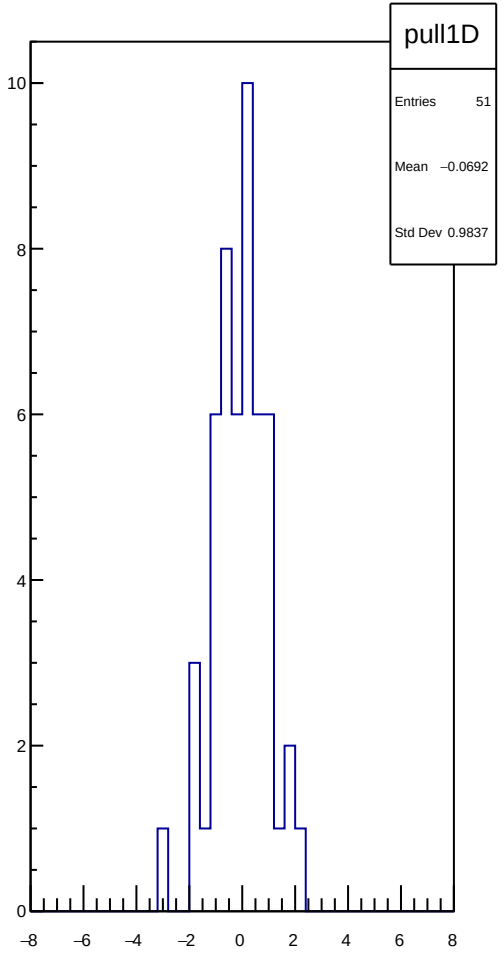

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.869e+04 / 50
p0 4499 ± 4.466
6000
5500
5000
4500
4000
3500
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

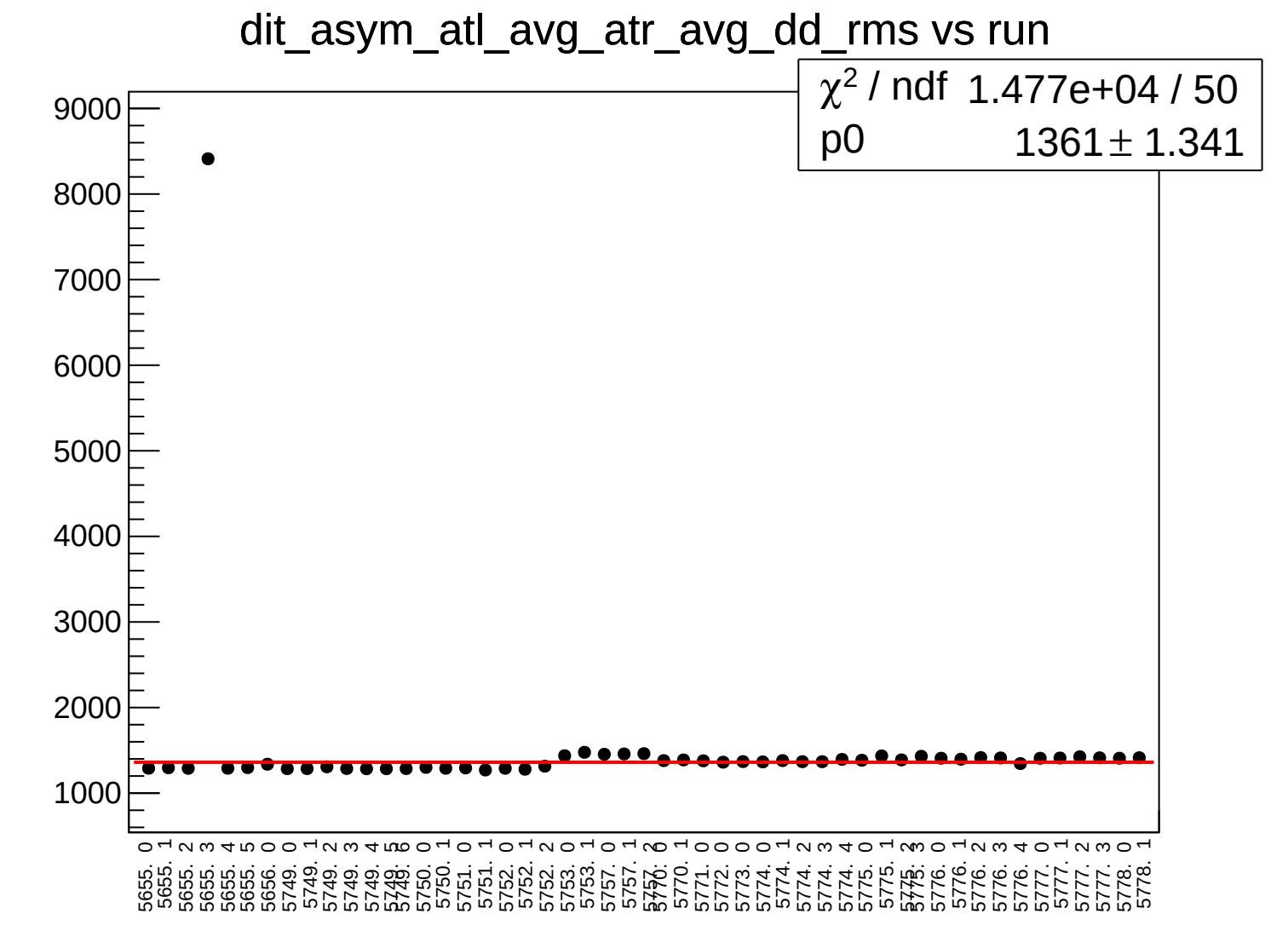

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 55.96 / 50
p0 −54.75 ± 6593
pull
Entries 51
Mean 3.483
Std Dev 24.64

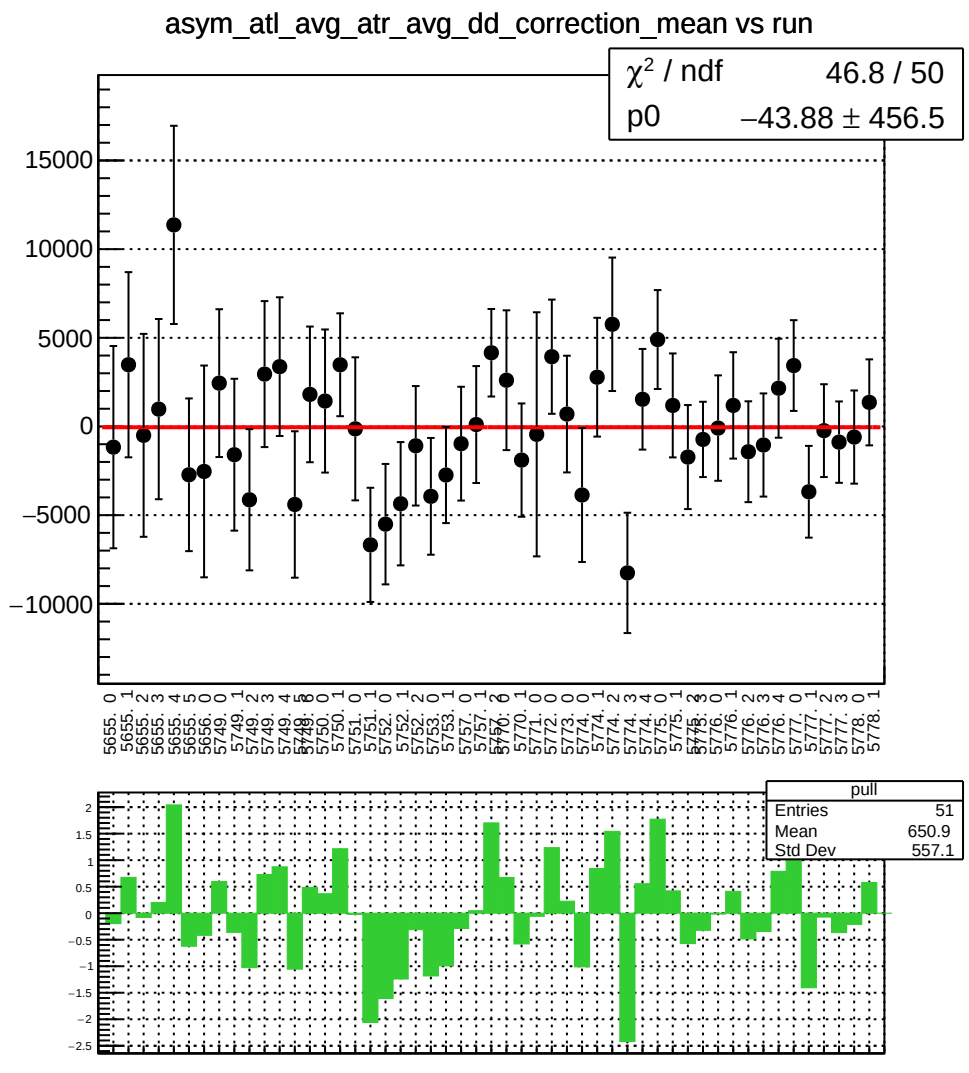

pull1D
Entries 51
Mean −0.05441
Std Dev 1.046

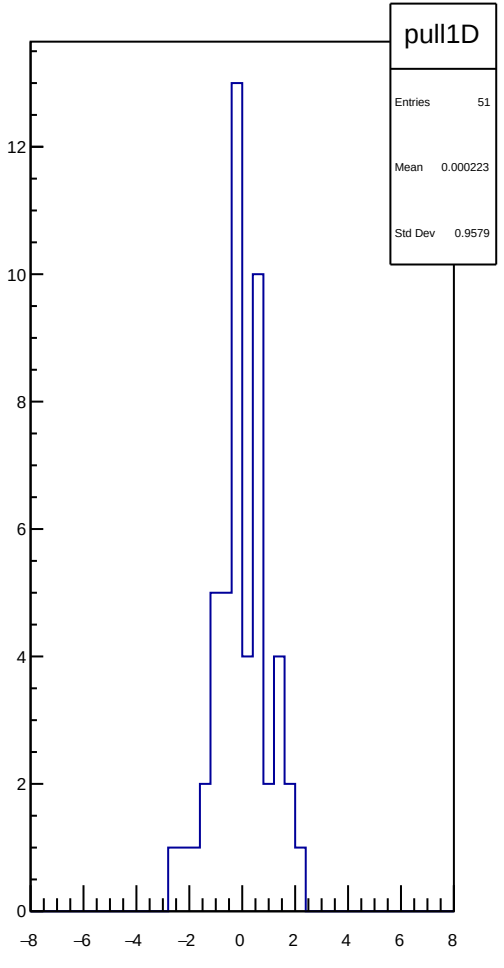

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.074e+04 / 50
p0 4715 ± 4.662
9000
8000
7000
6000
5000
4000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

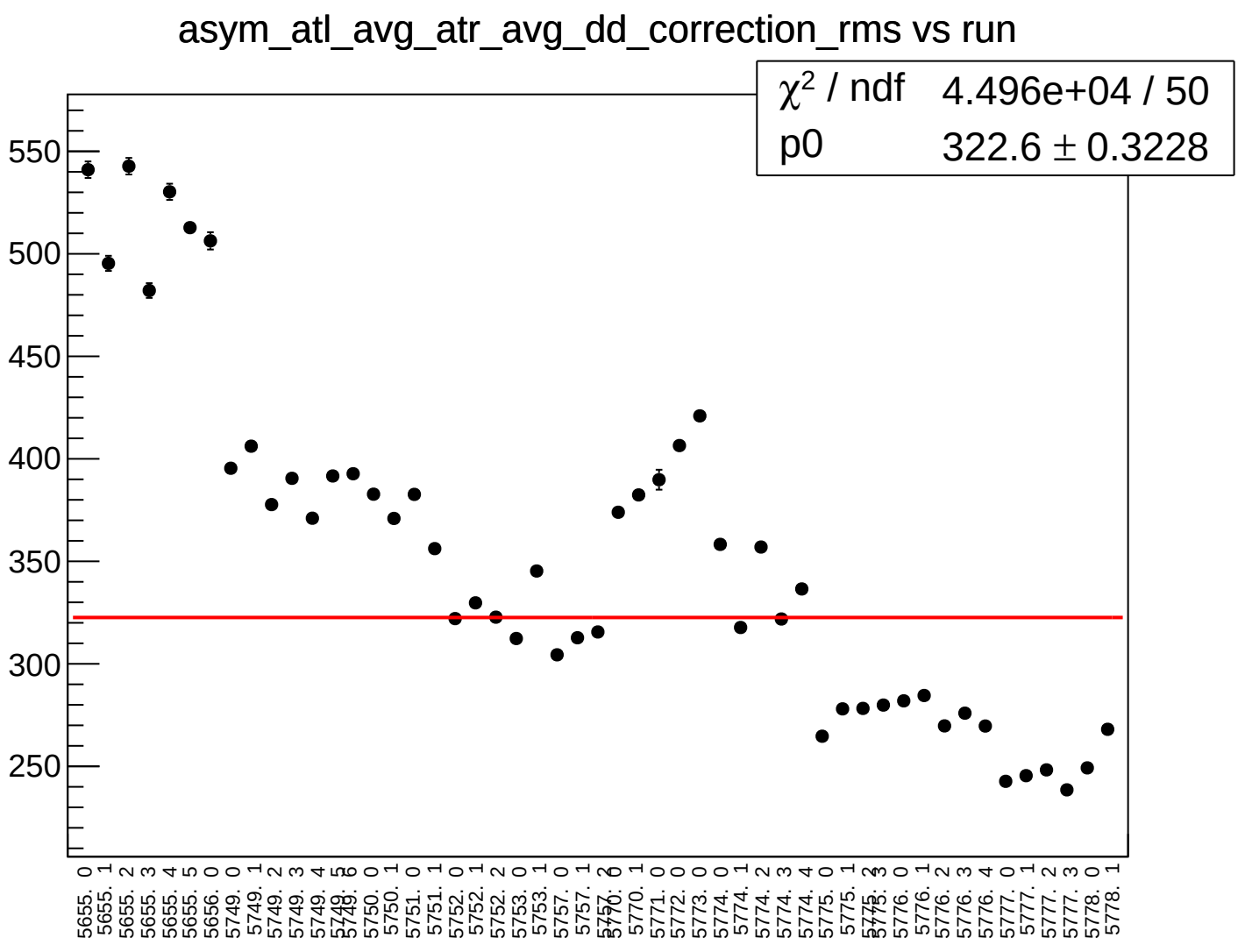

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 49.59 / 50
p0 −705.9 ± 1897
pull
Entries 51
Mean −0.6338
Std Dev 20.26

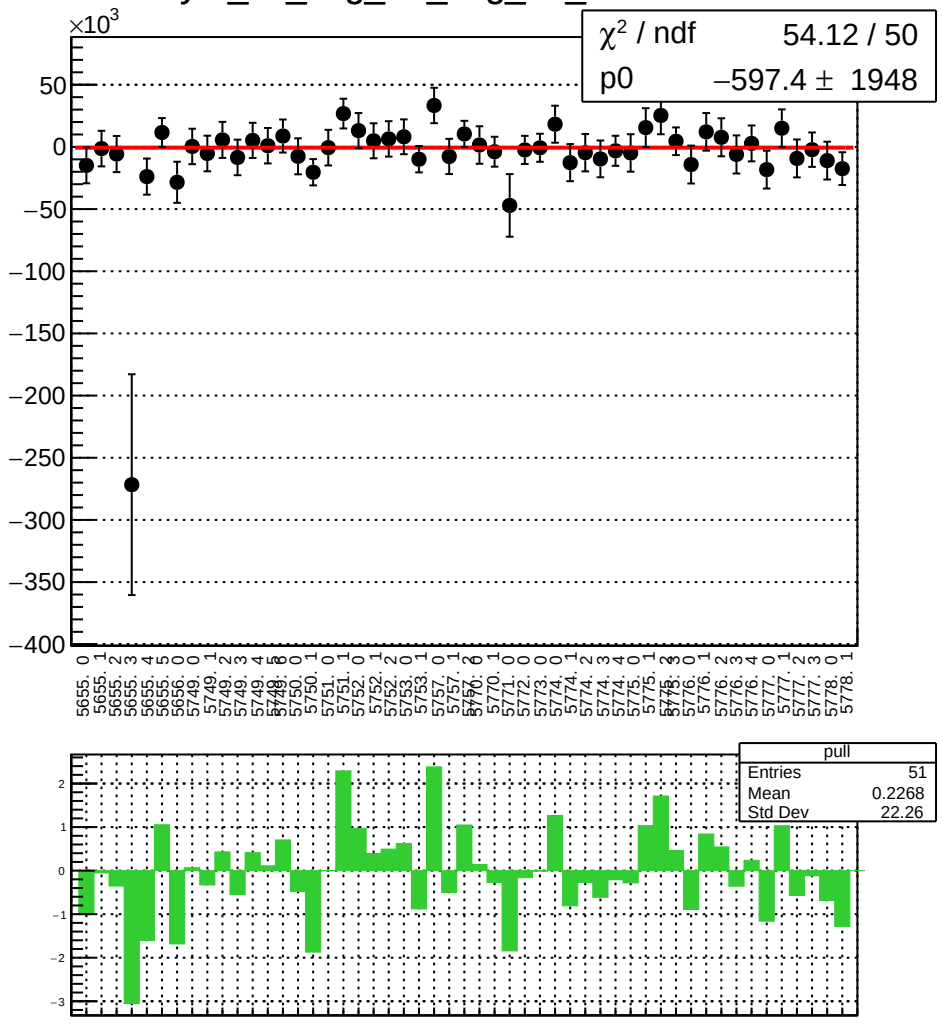

pull1D
Entries 51
Mean −0.0692
Std Dev 0.9837

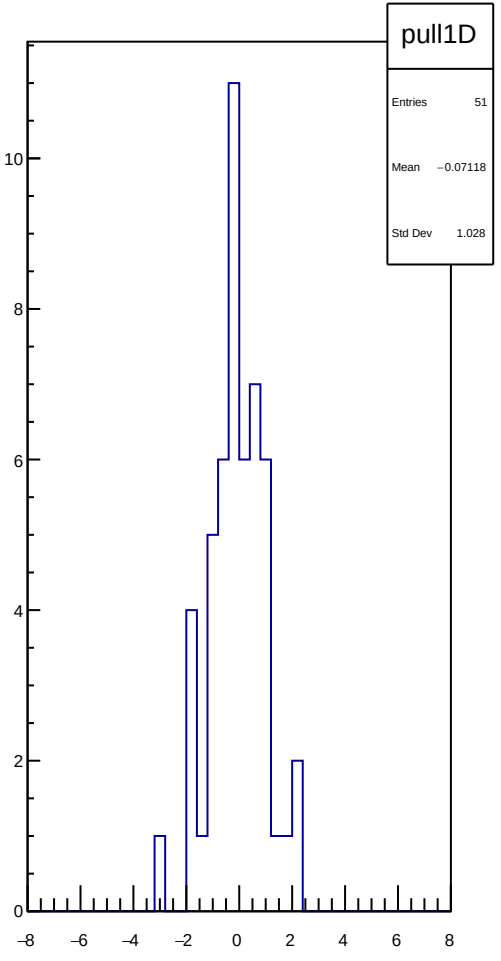

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.477e+04 / 50
p0 1361 ± 1.341
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

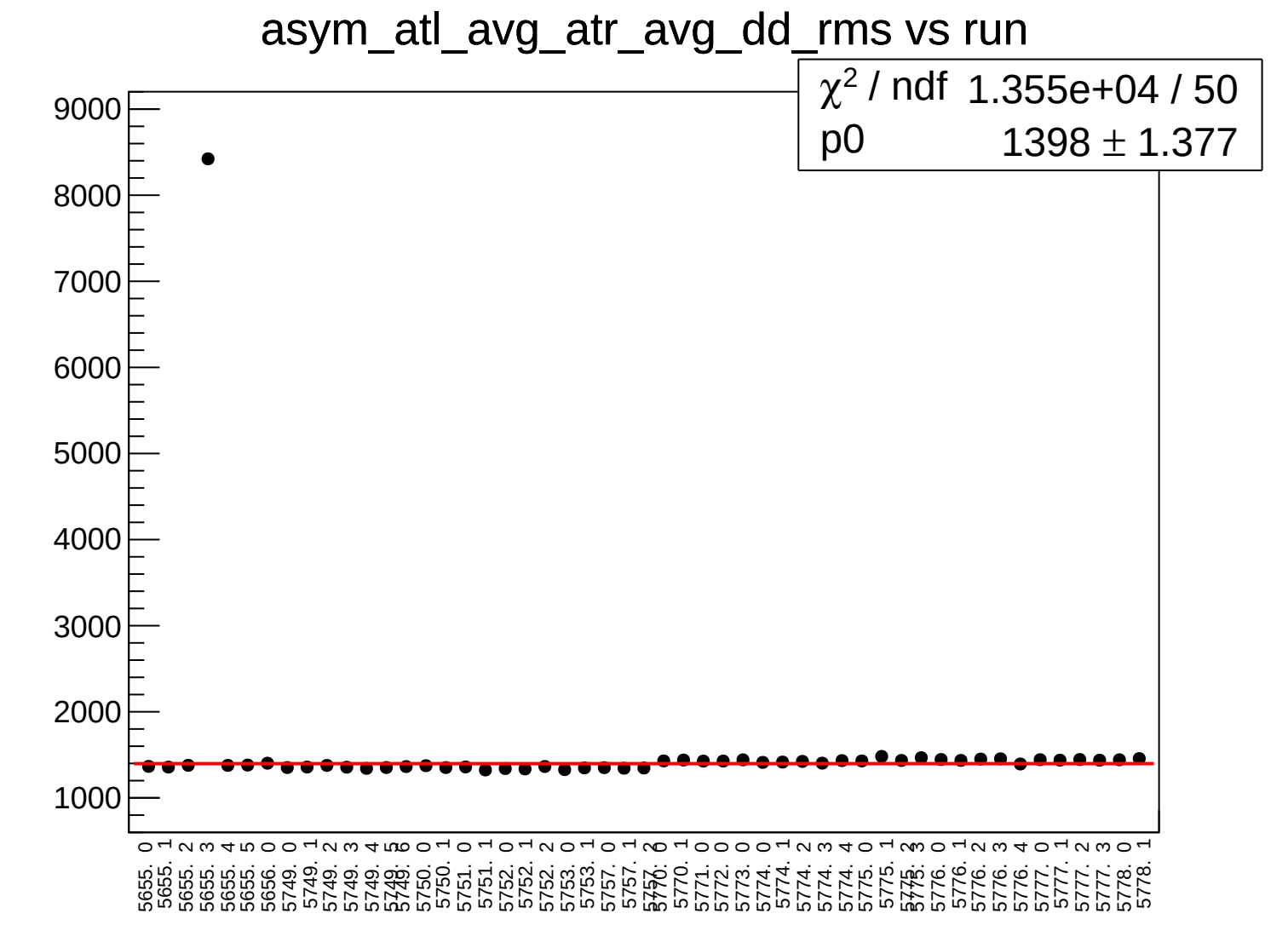

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 46.8 / 50
p0 −43.88 ± 456.5
15000
10000
5000
0
−5000
−10000
pull
Entries 51
Mean 650.9
Std Dev 557.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

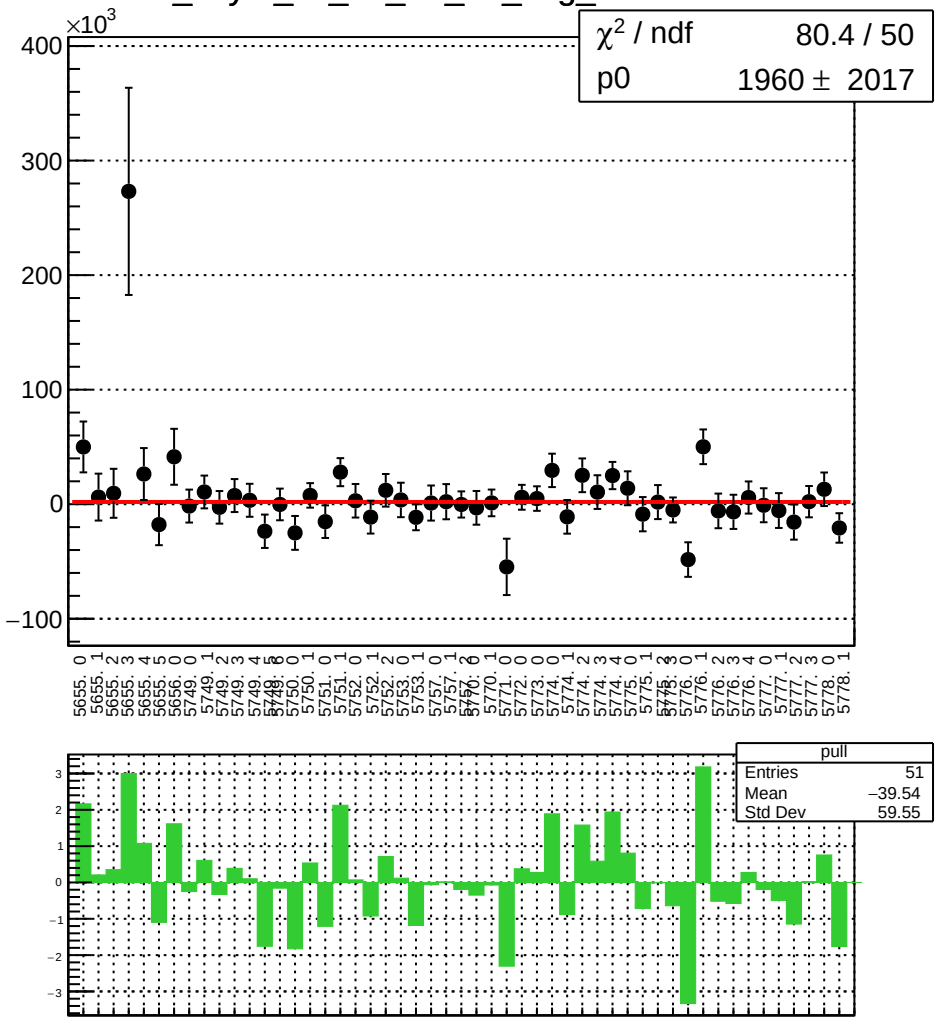

pull1D
Entries 51
Mean 0.000223
Std Dev 0.9579
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

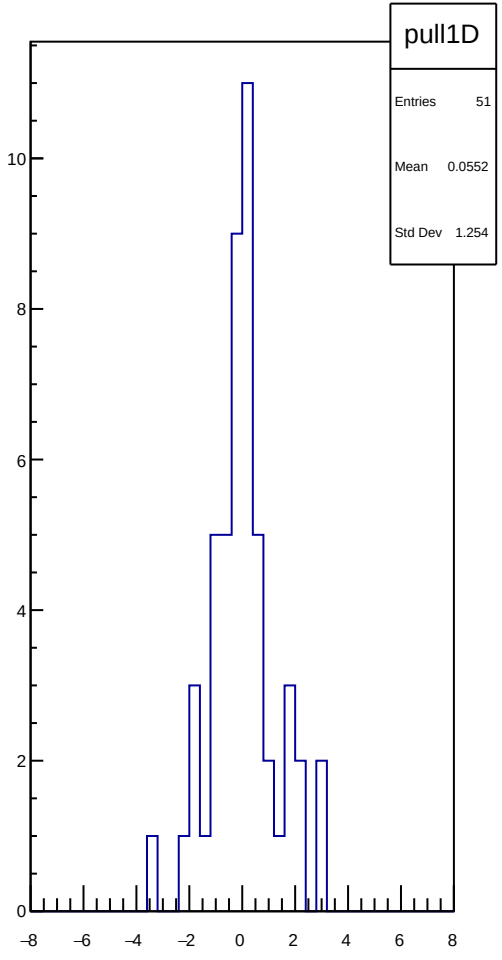

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4.496e+04 / 50
p0 322.6 ± 0.3228
550
500
450
400
350
300
250
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

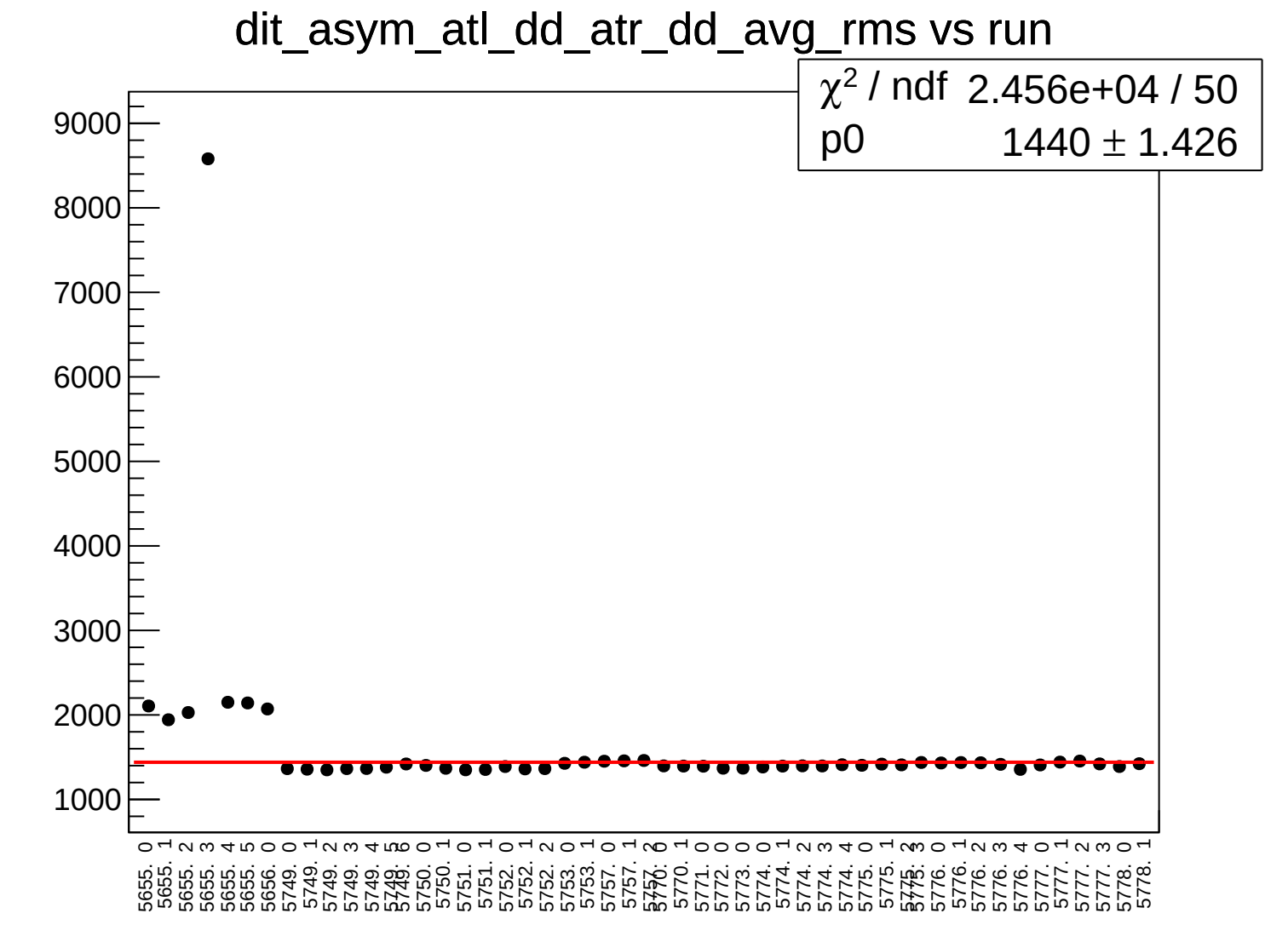

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 54.12 / 50
p0 −597.4 ± 1948
×10³
pull
Entries 51
Mean 0.2268
Std Dev 22.26

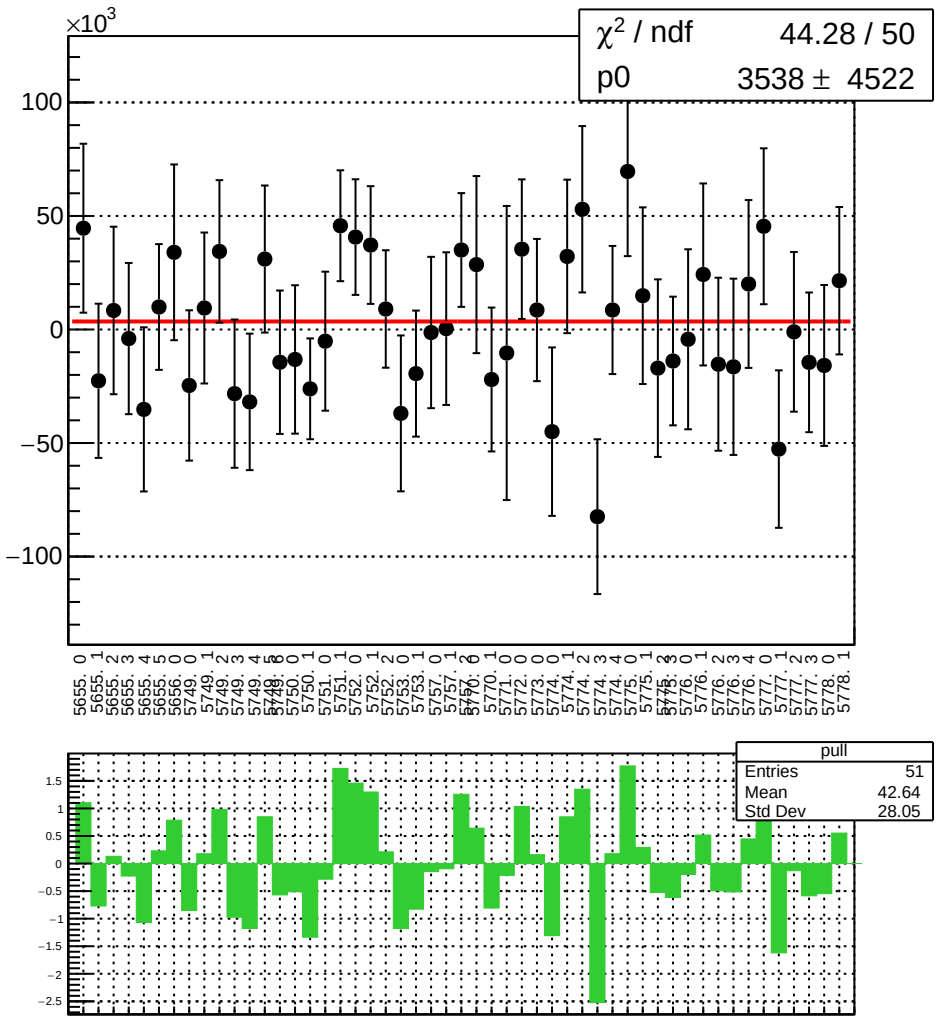

pull1D
Entries 51
Mean −0.07118
Std Dev 1.028

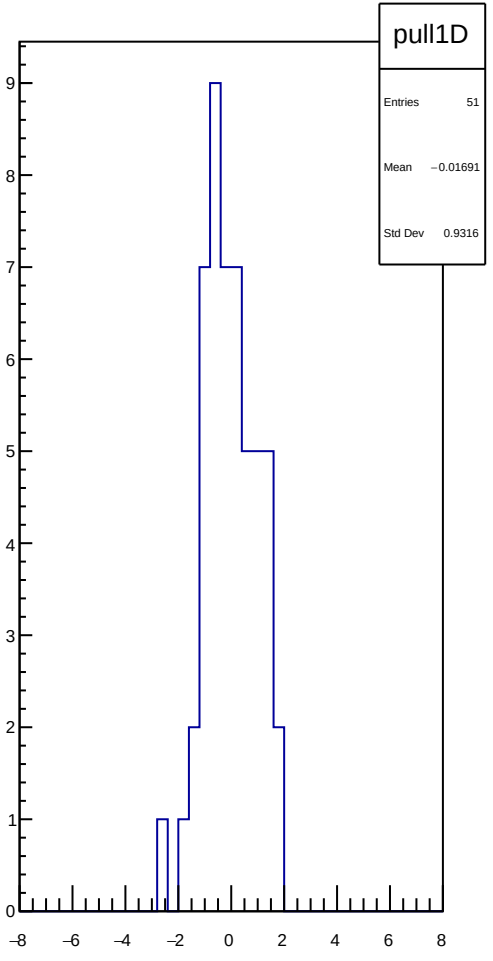

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.355e+04 / 50
p0 1398 ± 1.377
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

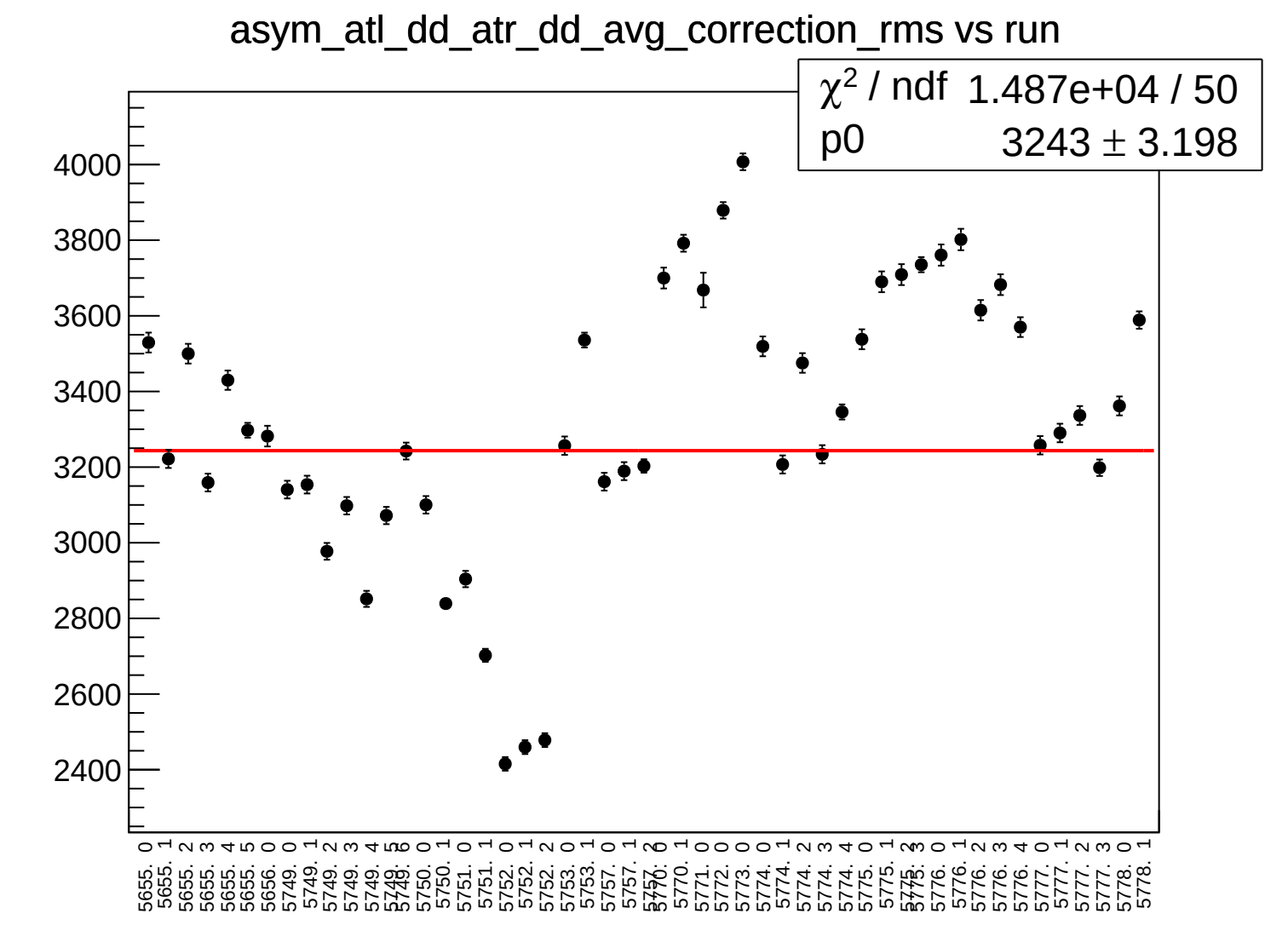

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 80.4 / 50
p0 1960 ± 2017
pull
Entries 51
Mean −39.54
Std Dev 59.55

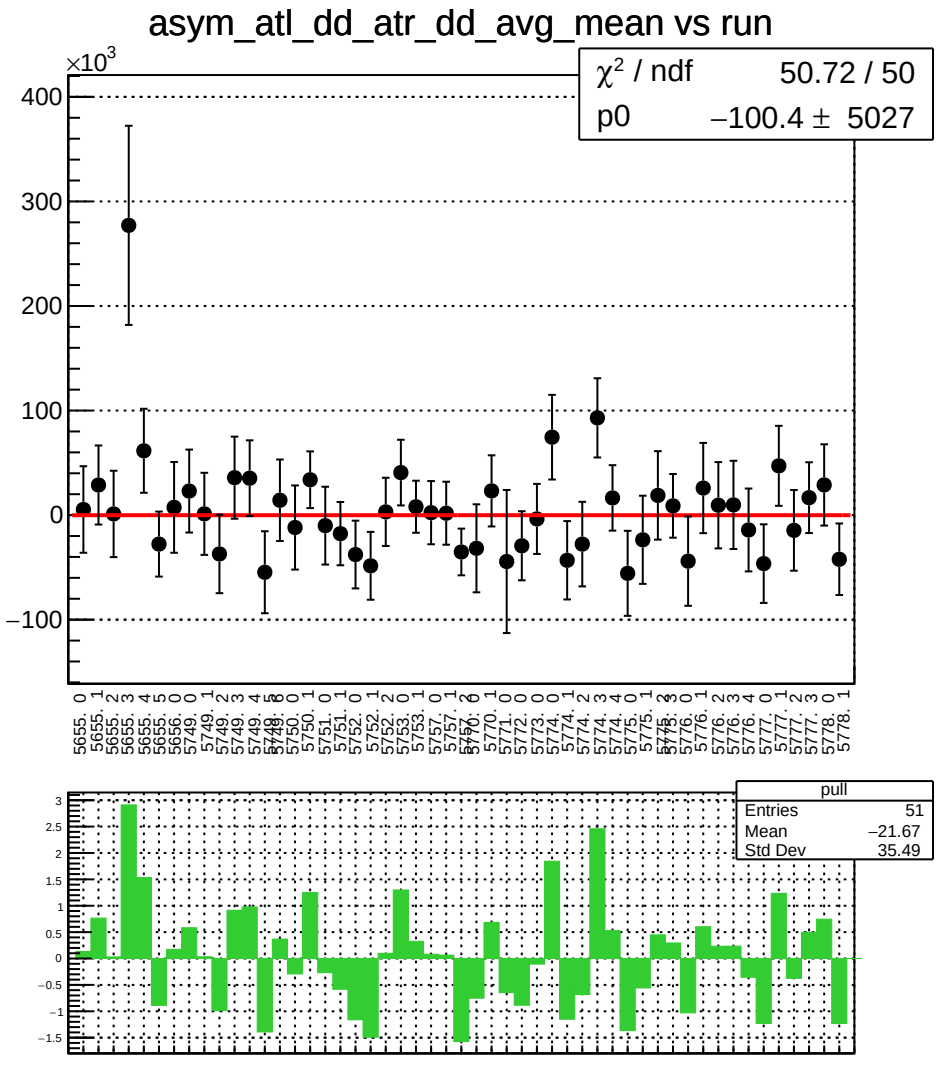

pull1D
Entries 51
Mean 0.0552
Std Dev 1.254

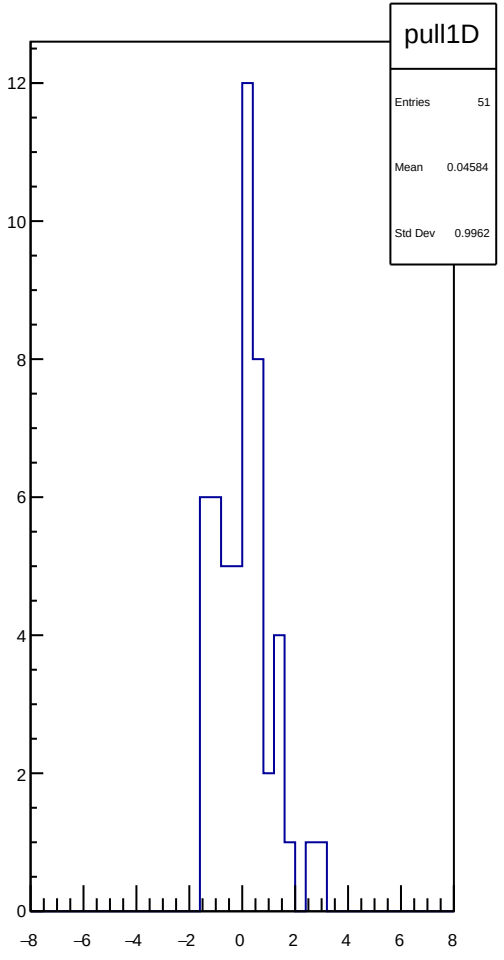

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.456e+04 / 50
p0 1440 ± 1.426
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

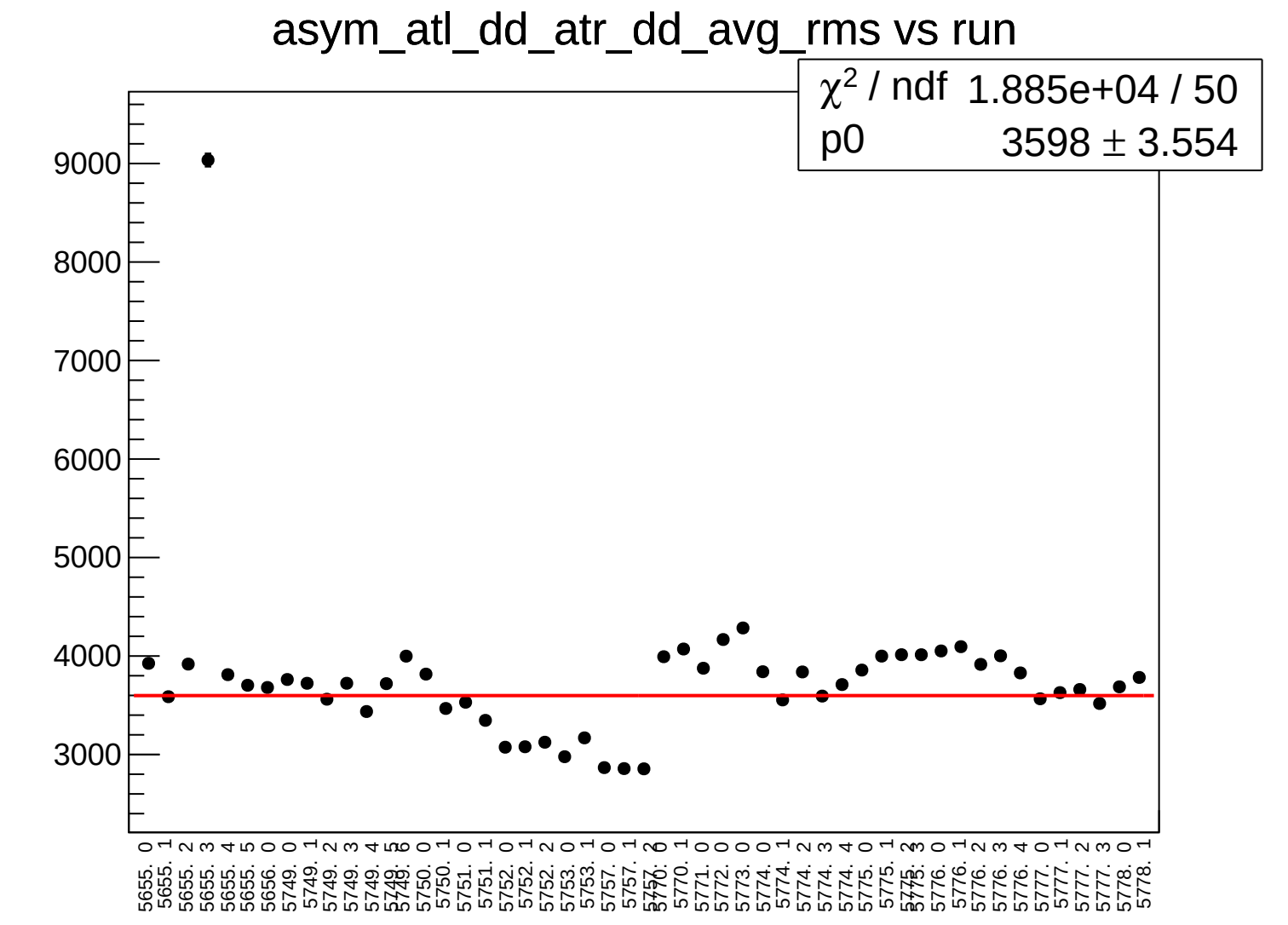

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 44.28 / 50
p0 3538 ± 4522
pull
Entries 51
Mean 42.64
Std Dev 28.05

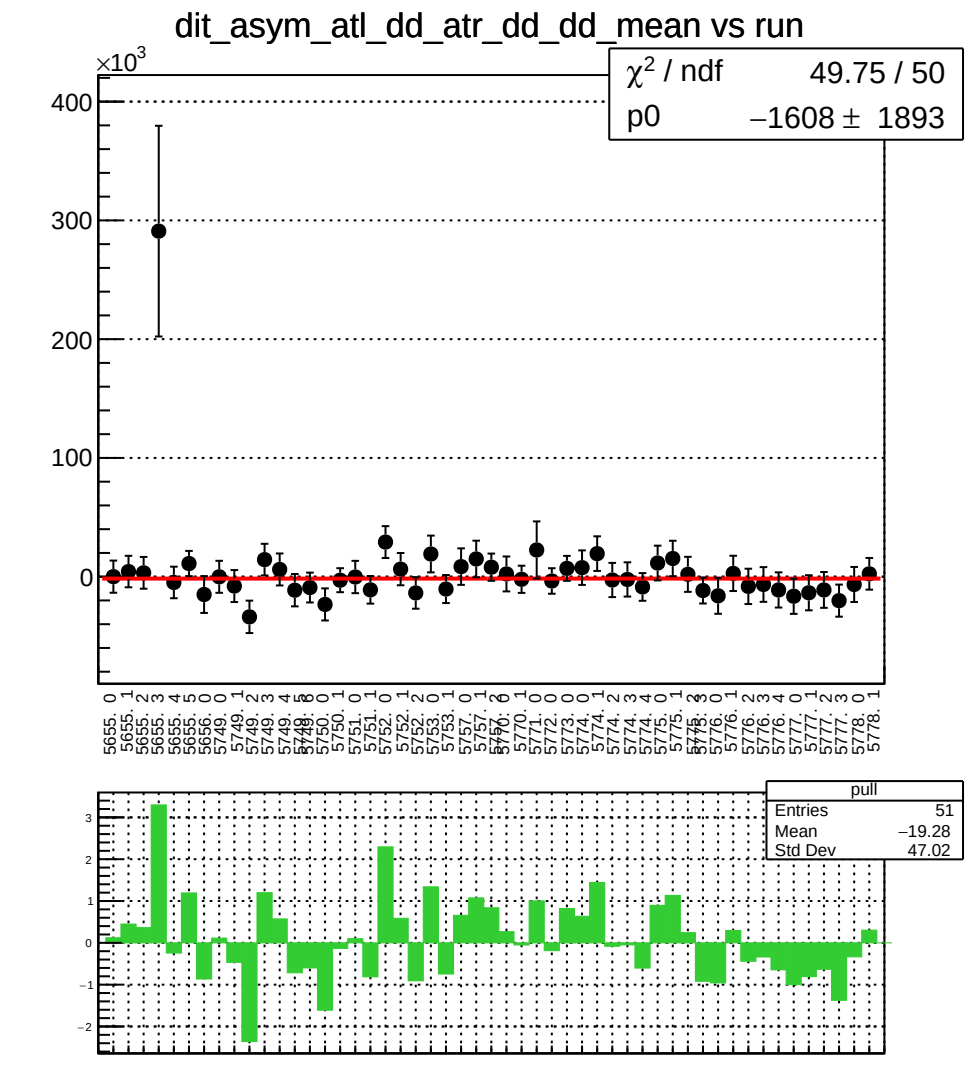

pull1D
Entries 51
Mean −0.01691
Std Dev 0.9316

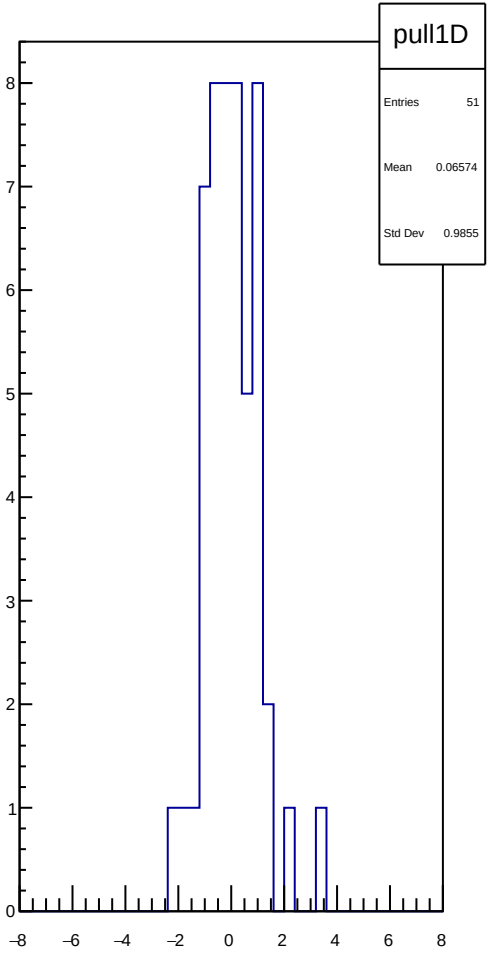

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.487e+04 / 50
p0 3243 ± 3.198
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 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

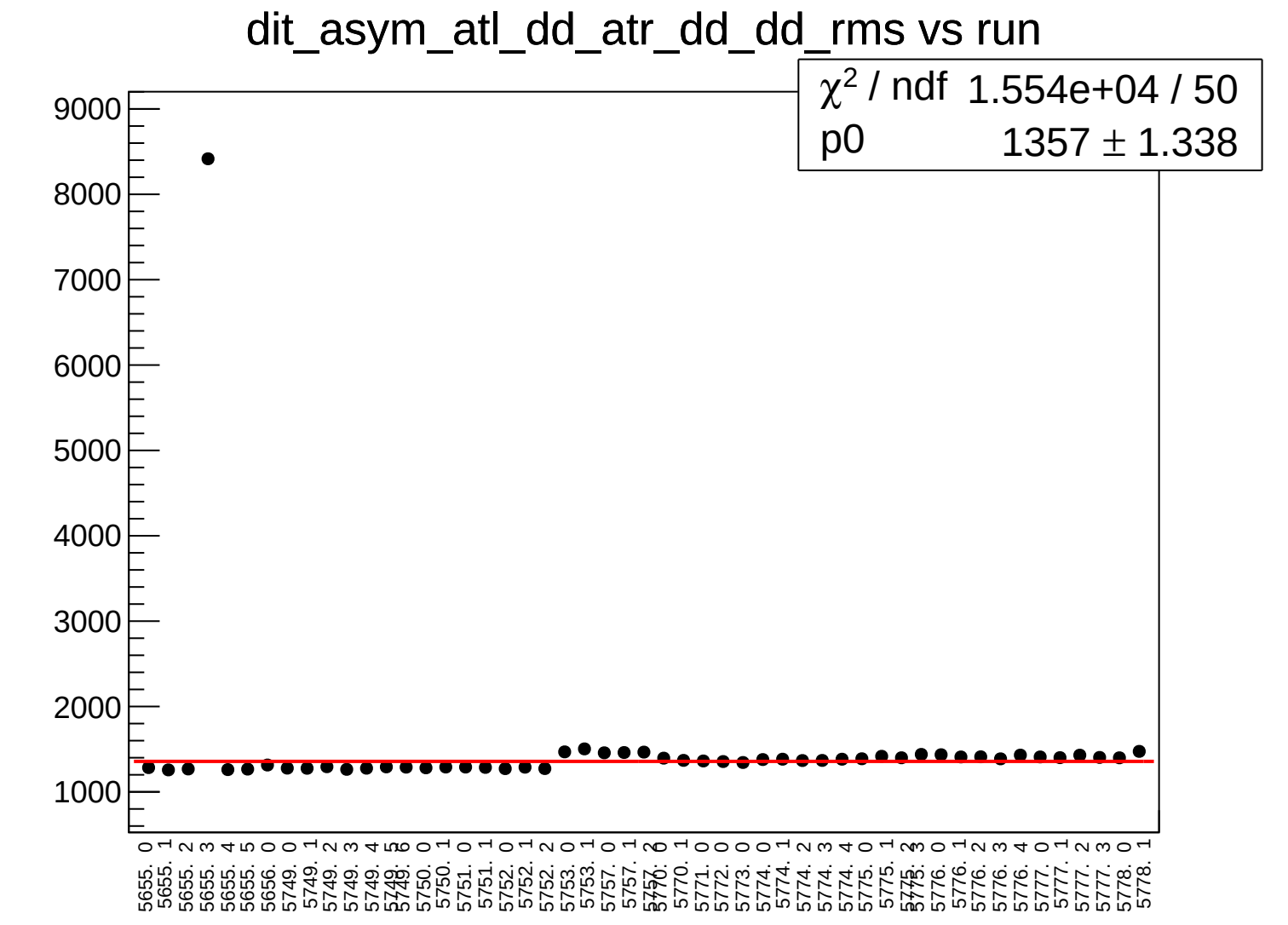

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 50.72 / 50
p0 −100.4 ± 5027
pull
Entries 51
Mean −21.67
Std Dev 35.49

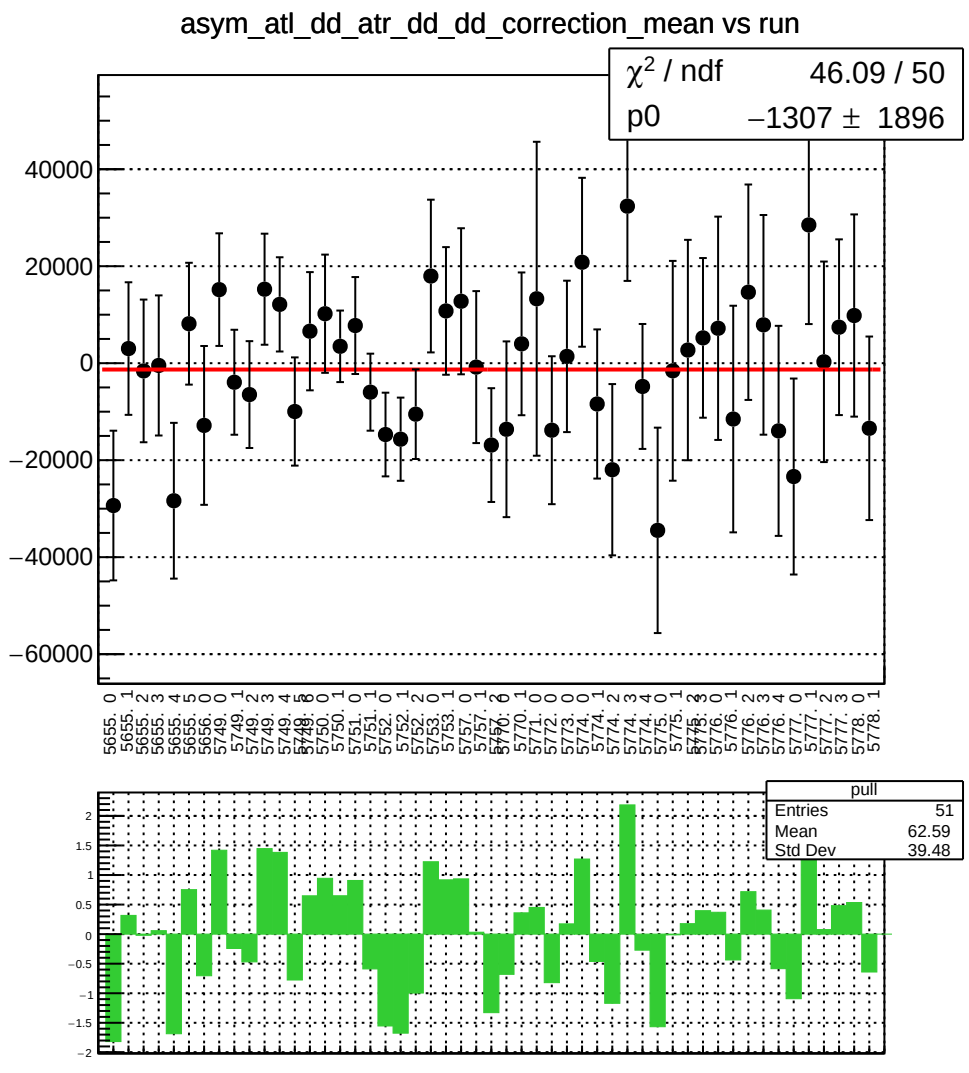

pull1D
Entries 51
Mean 0.04584
Std Dev 0.9962

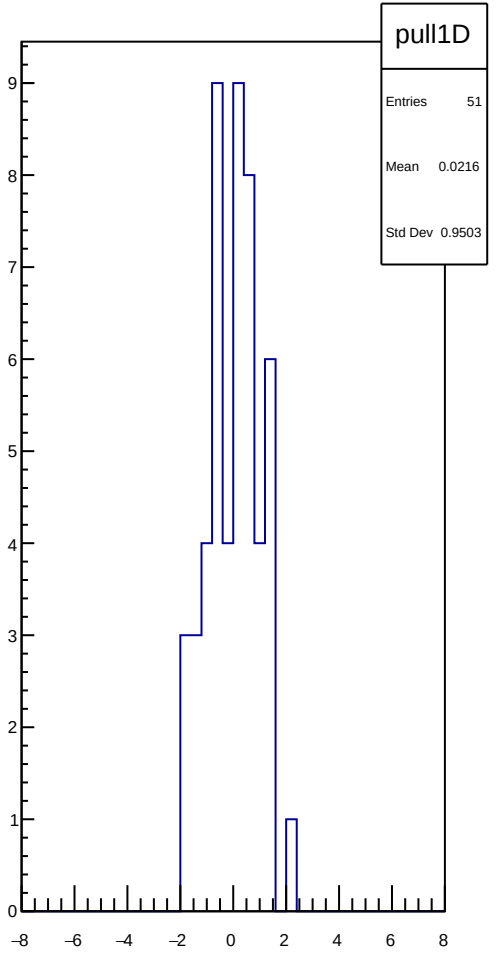

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.885e+04 / 50
p0 3598 ± 3.554
9000
8000
7000
6000
5000
4000
3000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0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

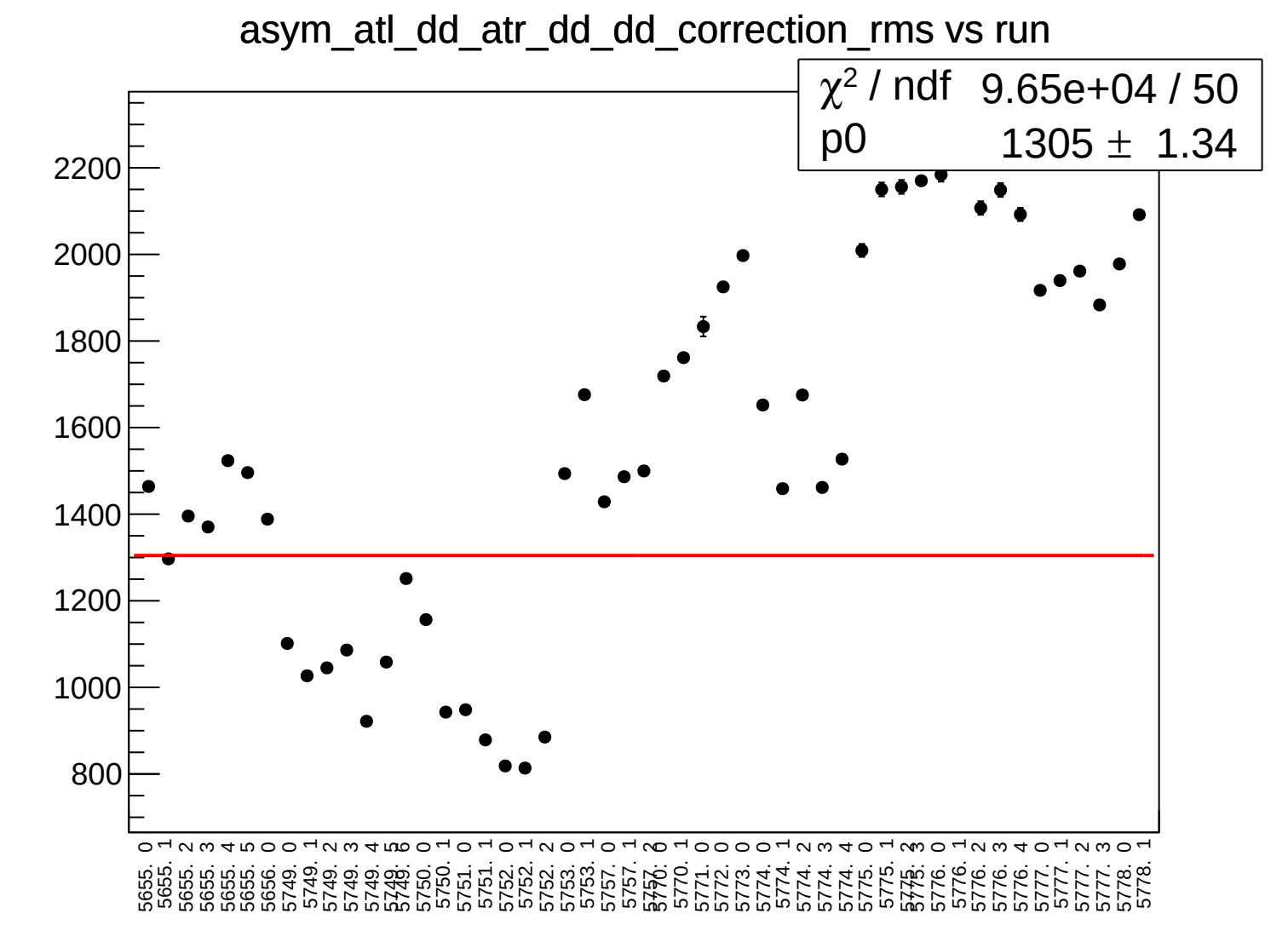

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 49.75 / 50
p0 −1608 ± 1893
400
300
200
100
0
pull
Entries 51
Mean −19.28
Std Dev 47.02
3
2
1
0
−1
−2

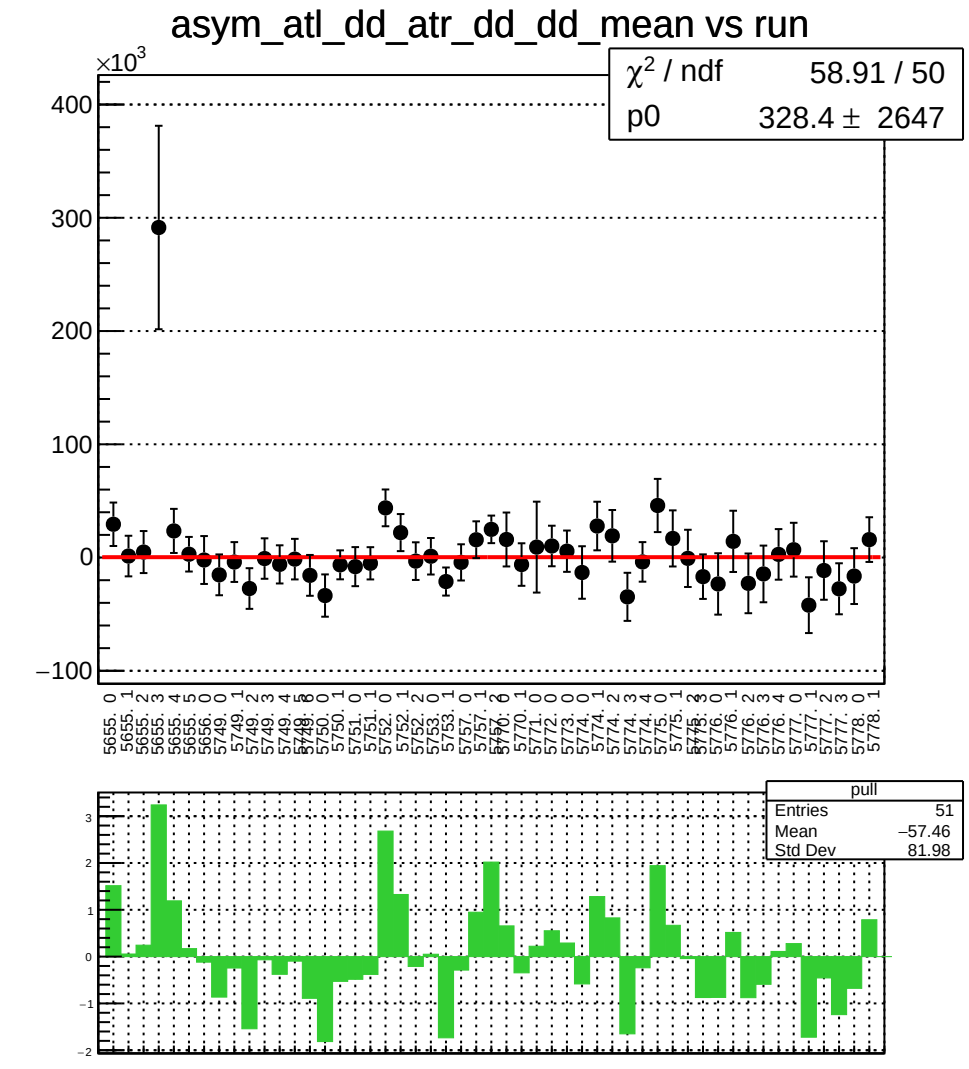

pull1D
Entries 51
Mean 0.06574
Std Dev 0.9855
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

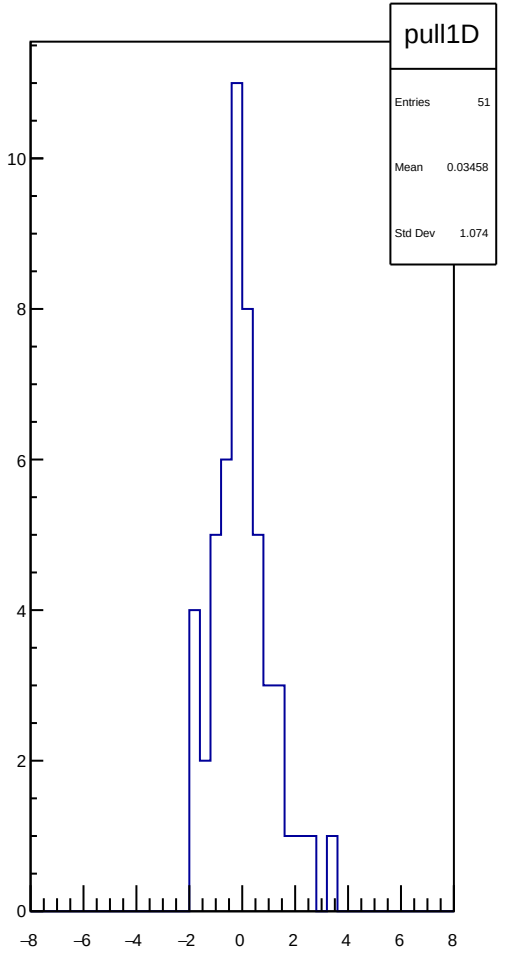

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.554e+04 / 50
p0 1357 ± 1.338
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

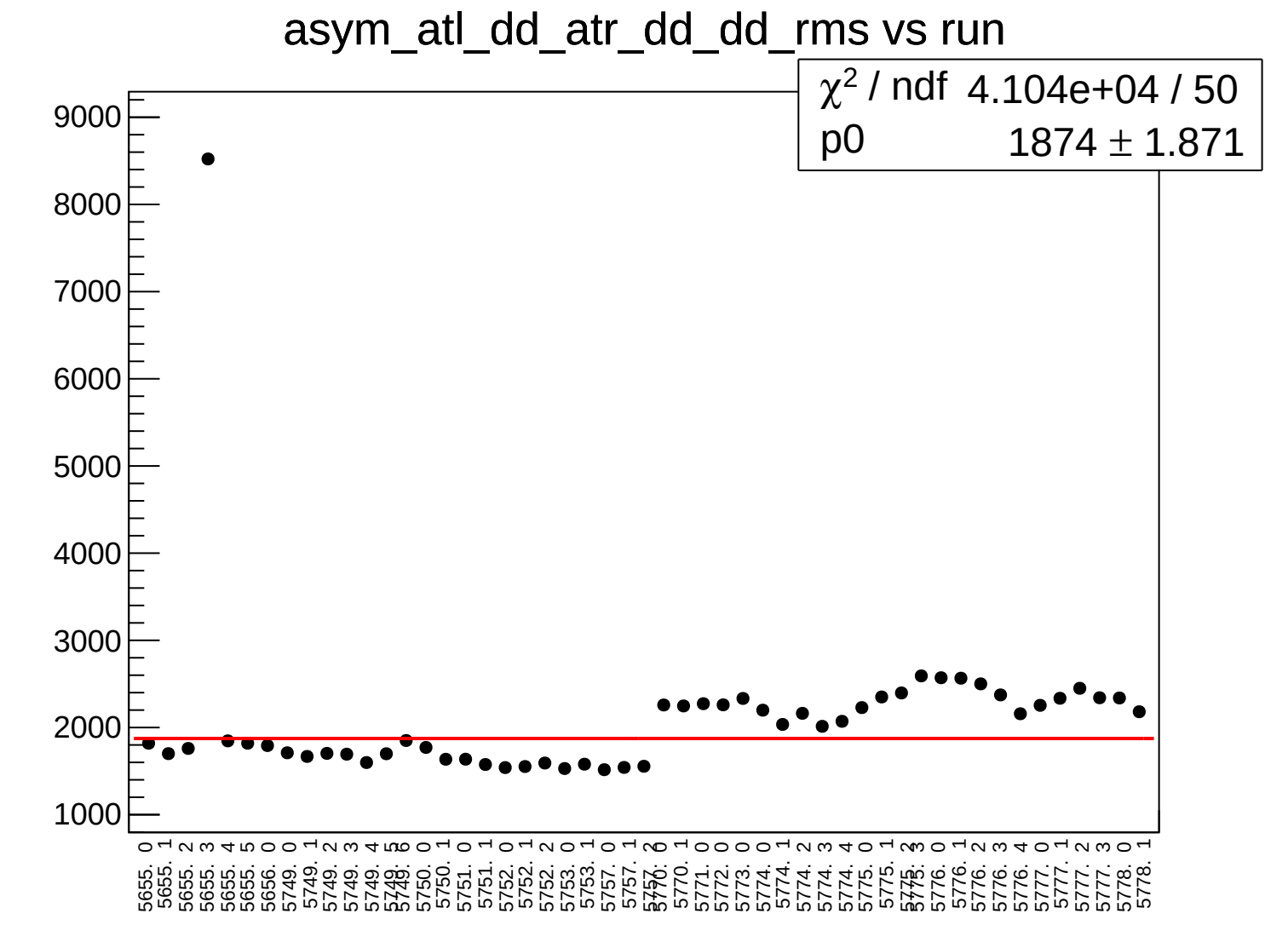

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 46.09 / 50
p0 −1307 ± 1896
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean 62.59
Std Dev 39.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

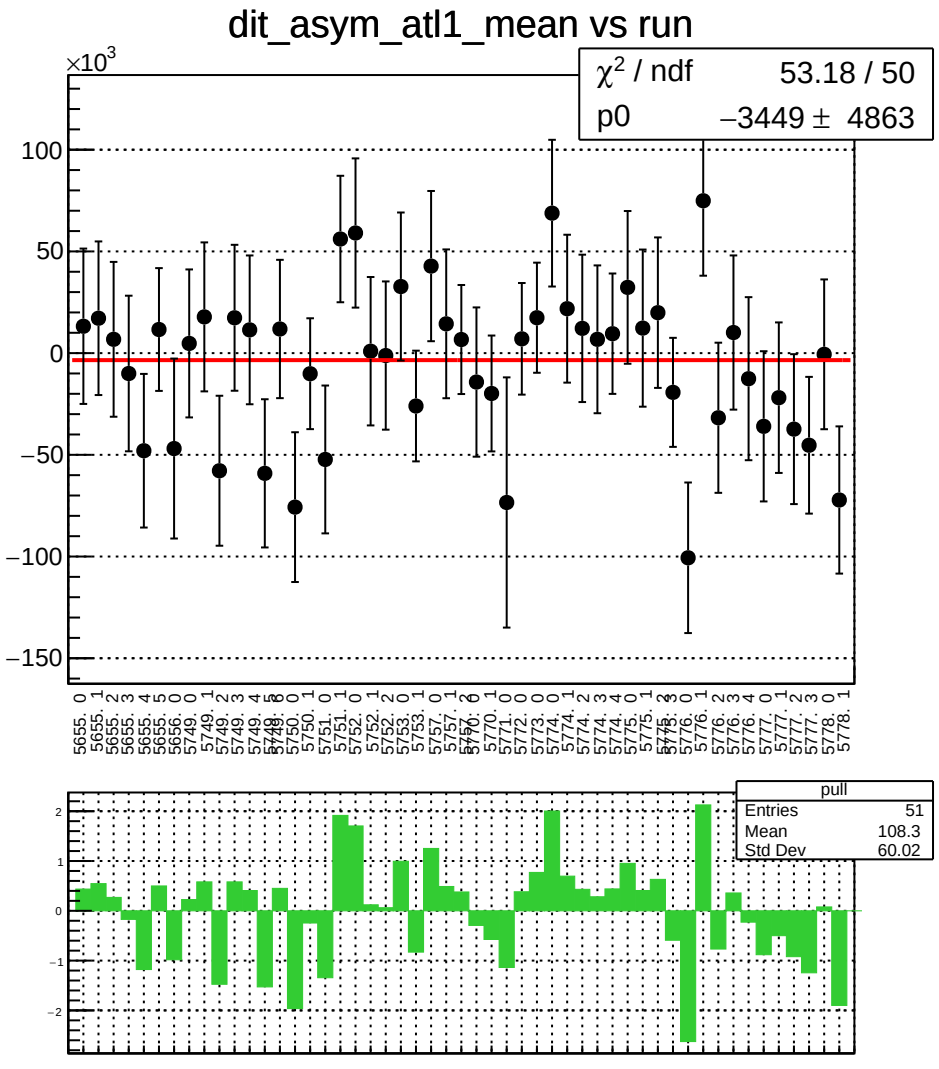

pull1D
Entries 51
Mean 0.0216
Std Dev 0.9503
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

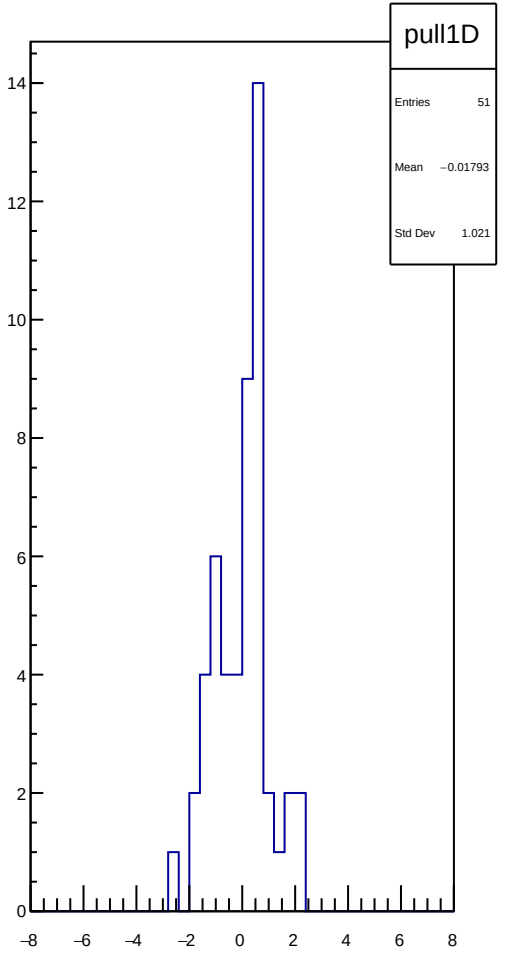

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 9.65e+04 / 50
p0 1305 ± 1.34
2200
2000
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

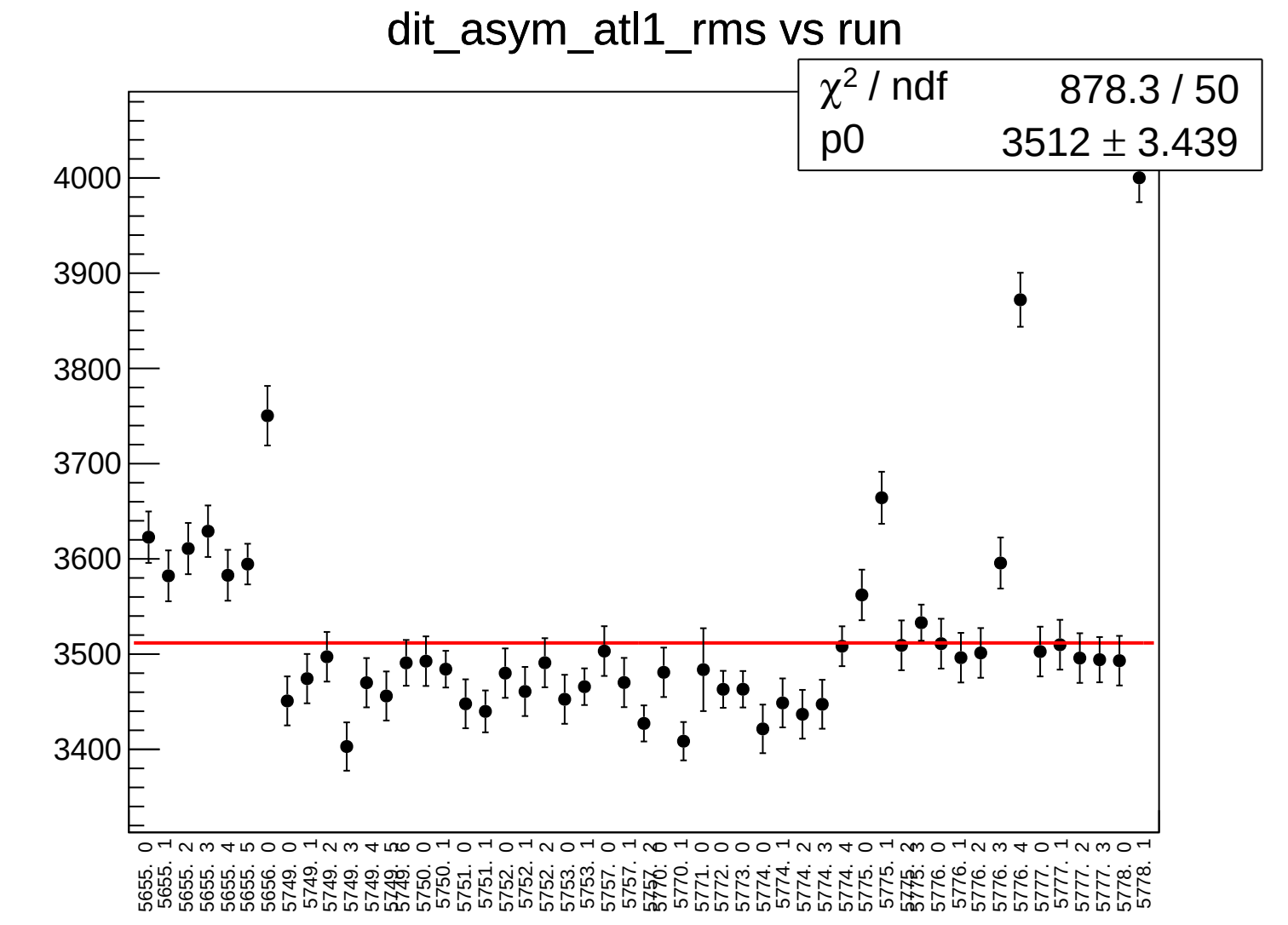

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 58.91 / 50
p0 328.4 ± 2647
pull
Entries 51
Mean −57.46
Std Dev 81.98

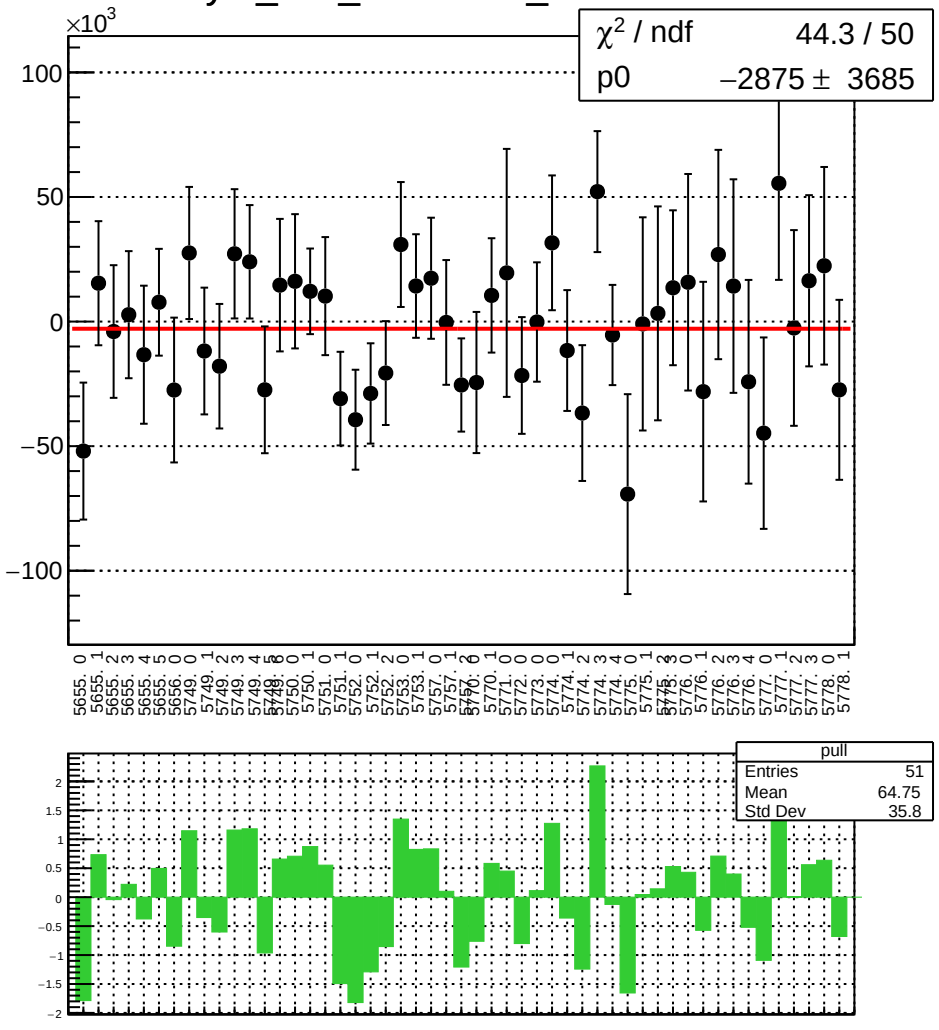

pull1D
Entries 51
Mean 0.03458
Std Dev 1.074

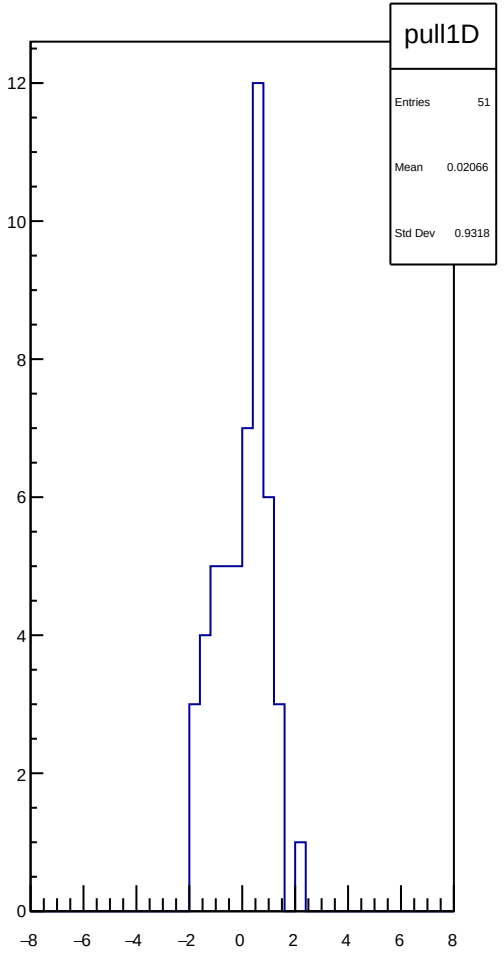

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4.104e+04 / 50
p0 1874 ± 1.871
9000
8000
7000
6000
5000
4000
3000
2000
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

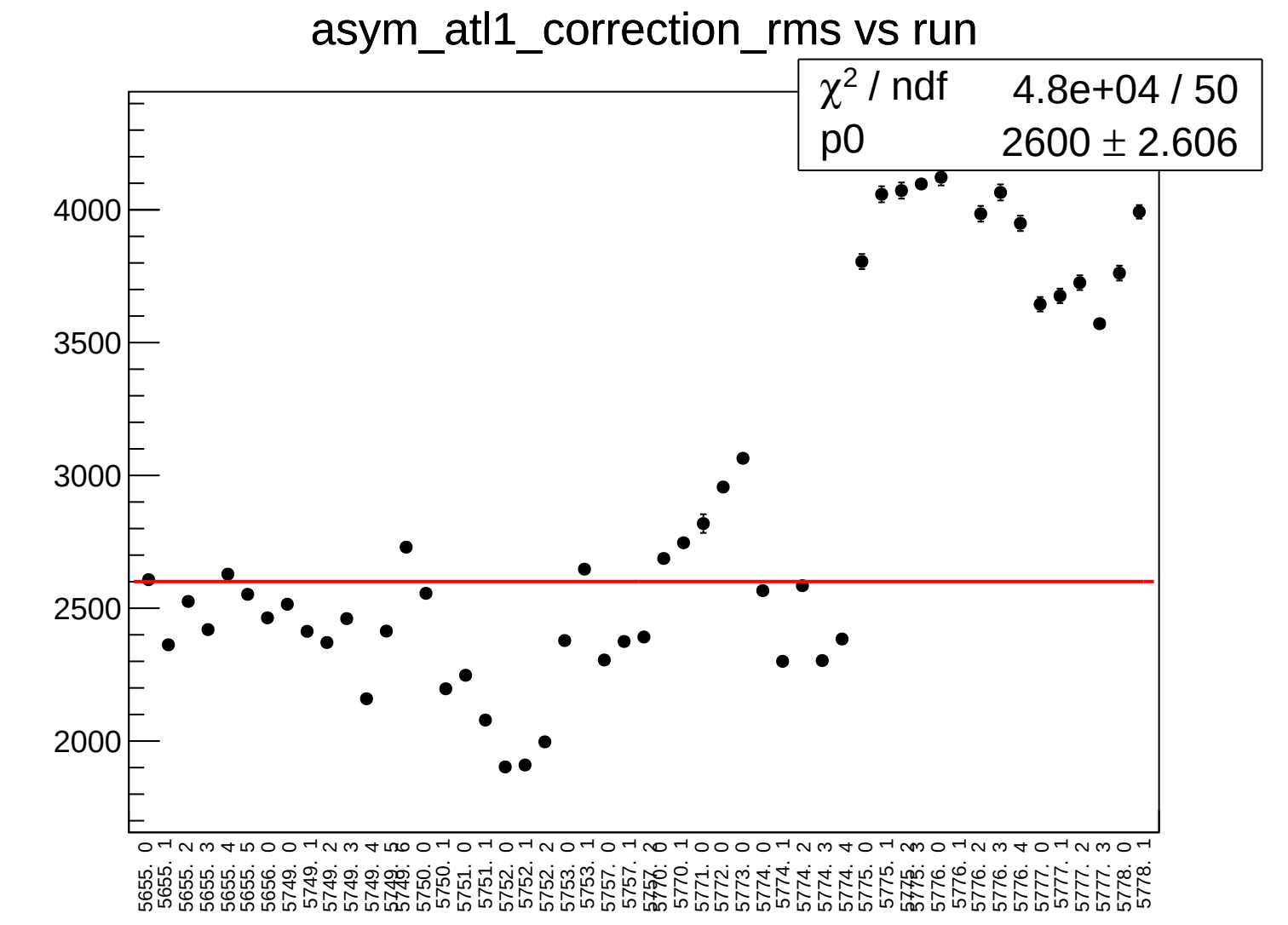

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 53.18 / 50
p0 −3449 ± 4863
100
50
0
−50
−100
−150
pull
Entries 51
Mean 108.3
Std Dev 60.02
2
1
0
−1
−2

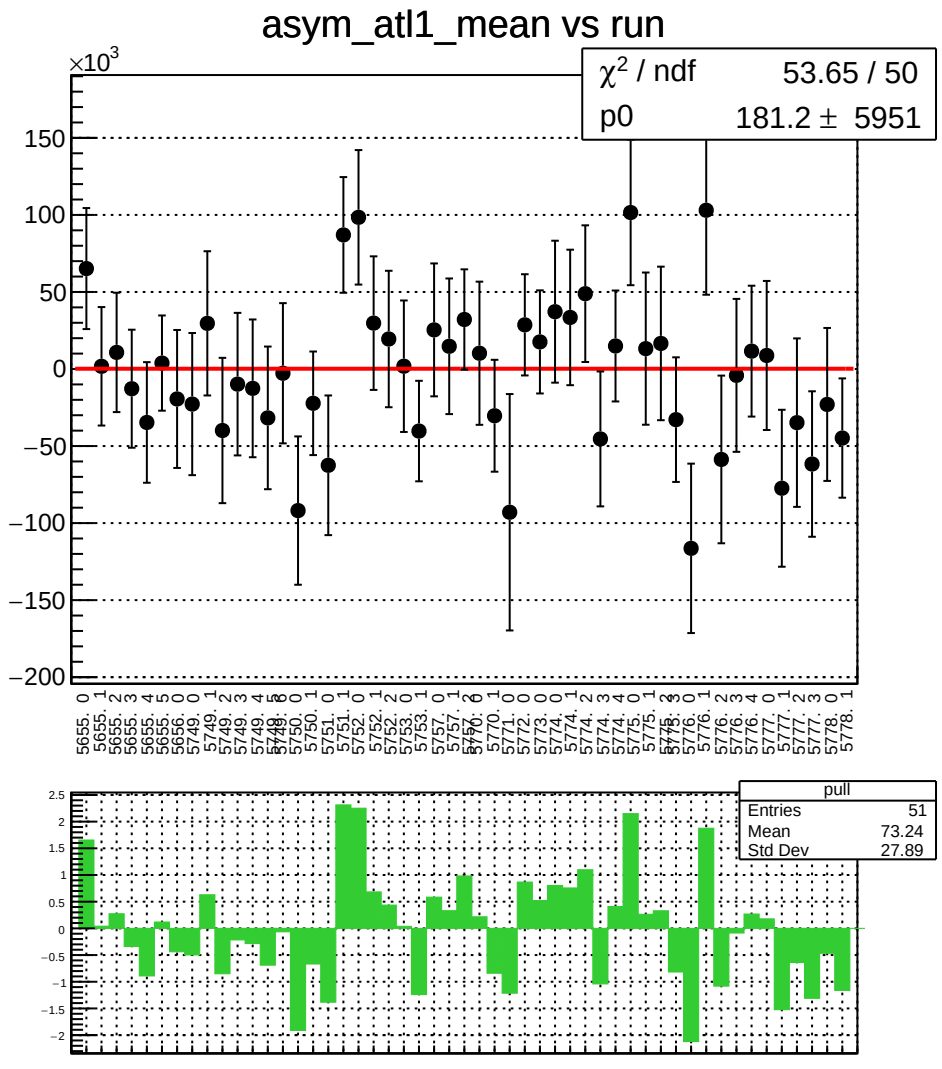

pull1D
Entries 51
Mean −0.01793
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

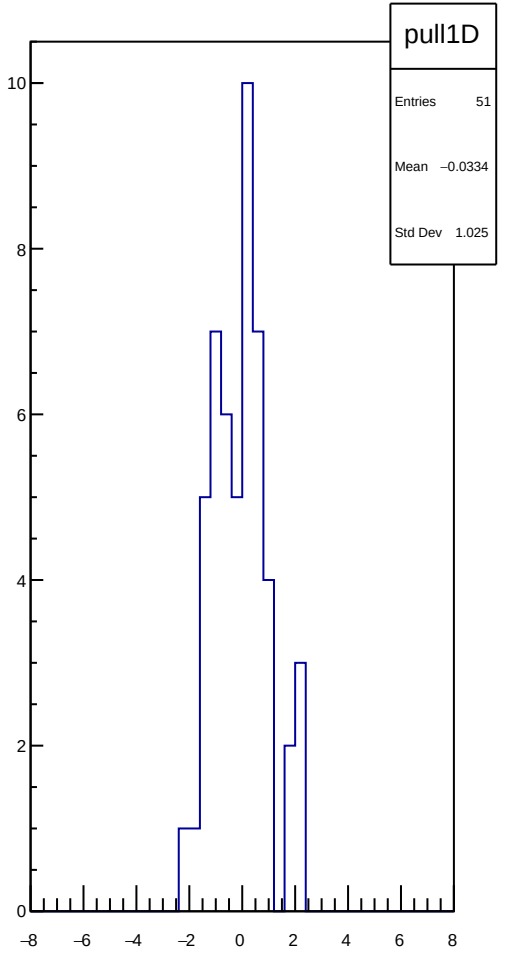

dit_asym_atl1_rms vs run
χ² / ndf 878.3 / 50
p0 3512 ± 3.439
4000
3900
3800
3700
3600
3500
3400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

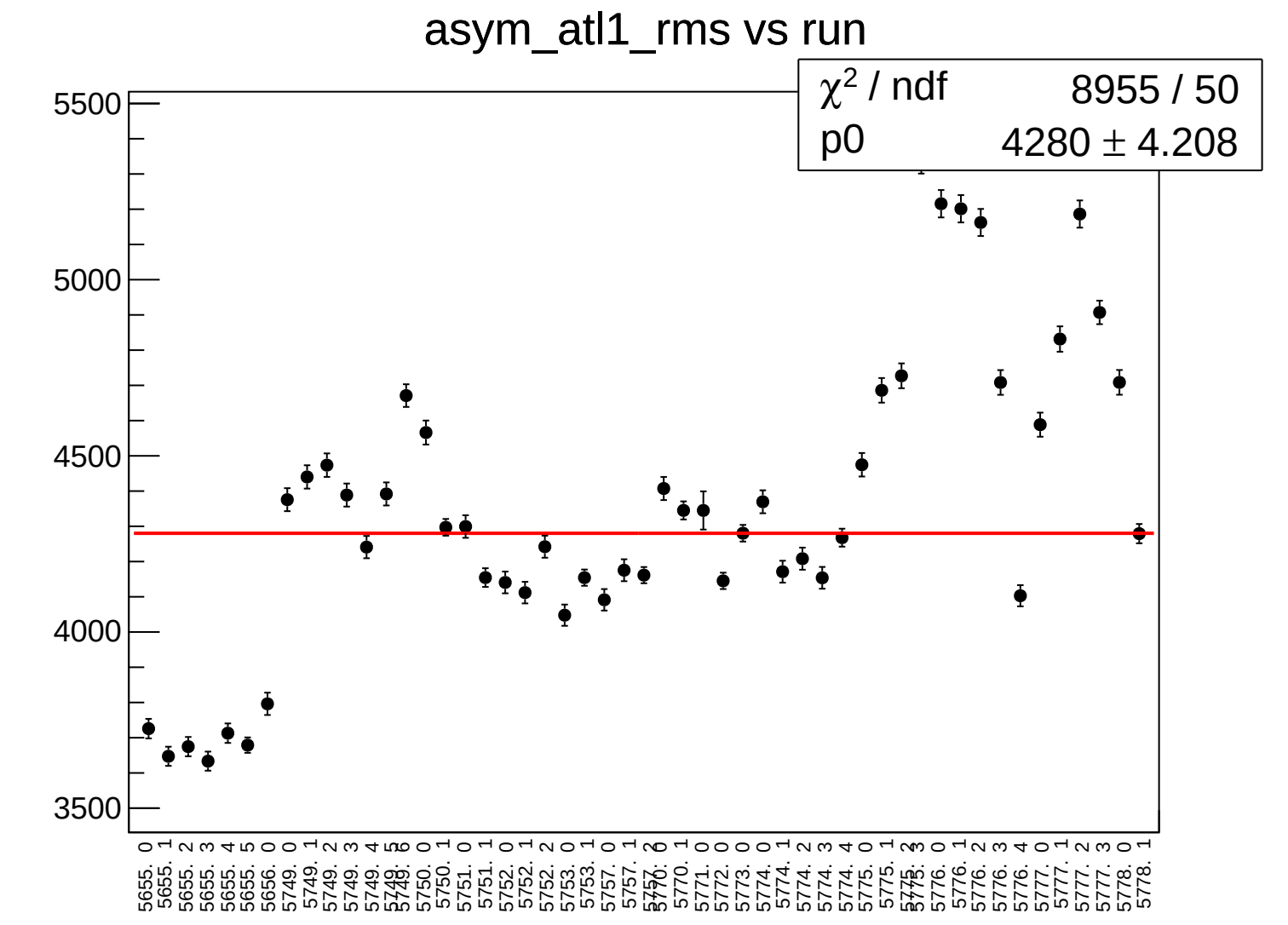

asym_atl1_correction_mean vs run
×10^3
χ² / ndf 44.3 / 50
p0 −2875 ± 3685
100
50
0
−50
−100
pull
Entries 51
Mean 64.75
Std Dev 35.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

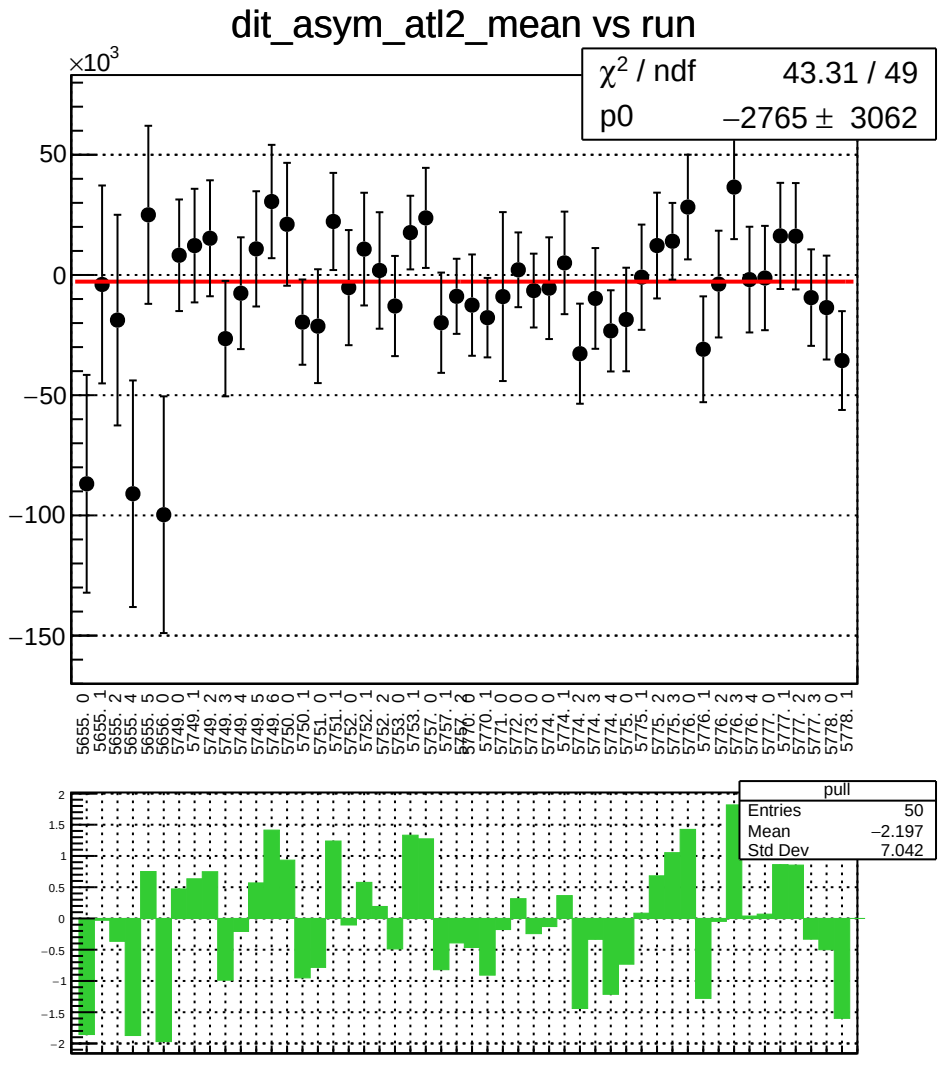

pull1D
Entries 51
Mean 0.02066
Std Dev 0.9318
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

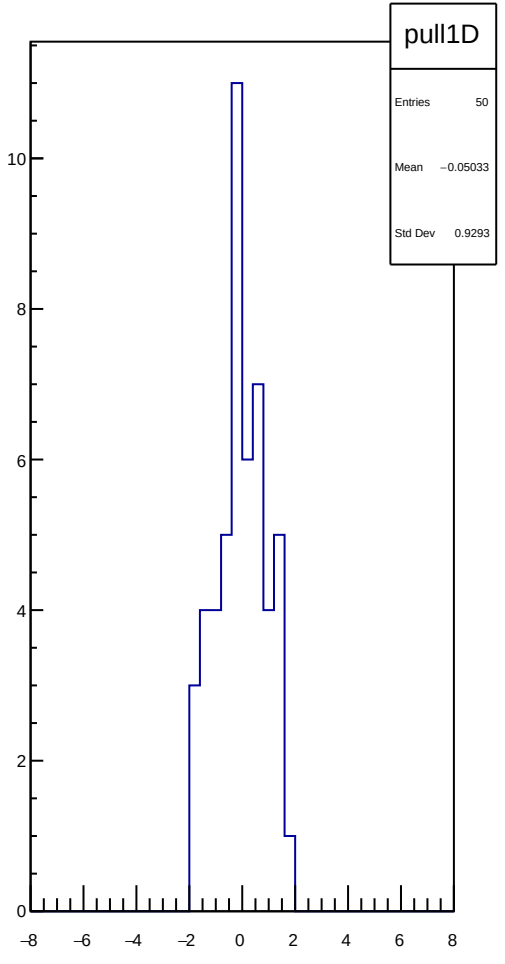

asym_atl1_correction_rms vs run
χ² / ndf 4.8e+04 / 50
p0 2600 ± 2.606
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

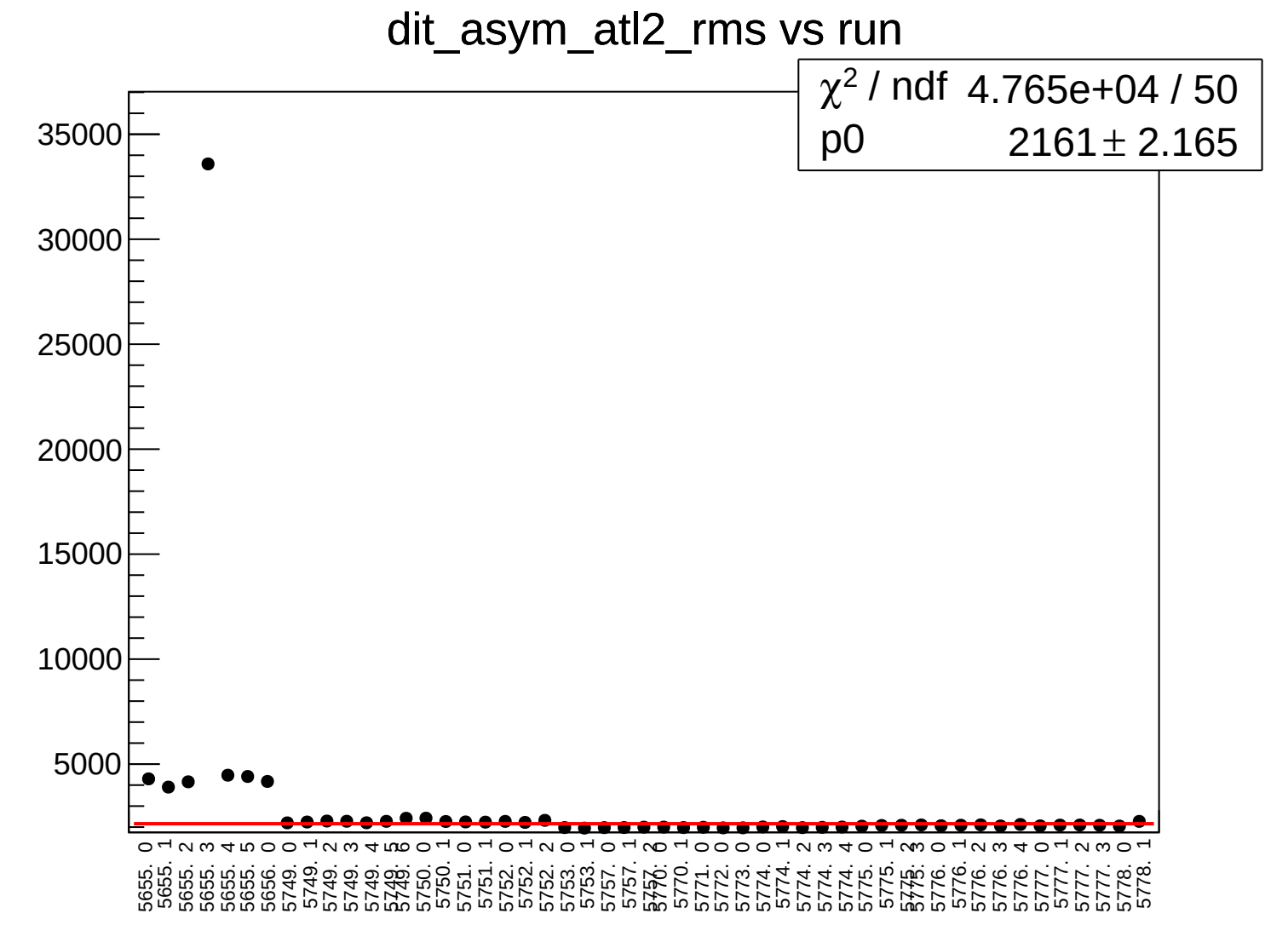

asym_atl1_mean vs run
×10^3
χ² / ndf 53.65 / 50
p0 181.2 ± 5951
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 73.24
Std Dev 27.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

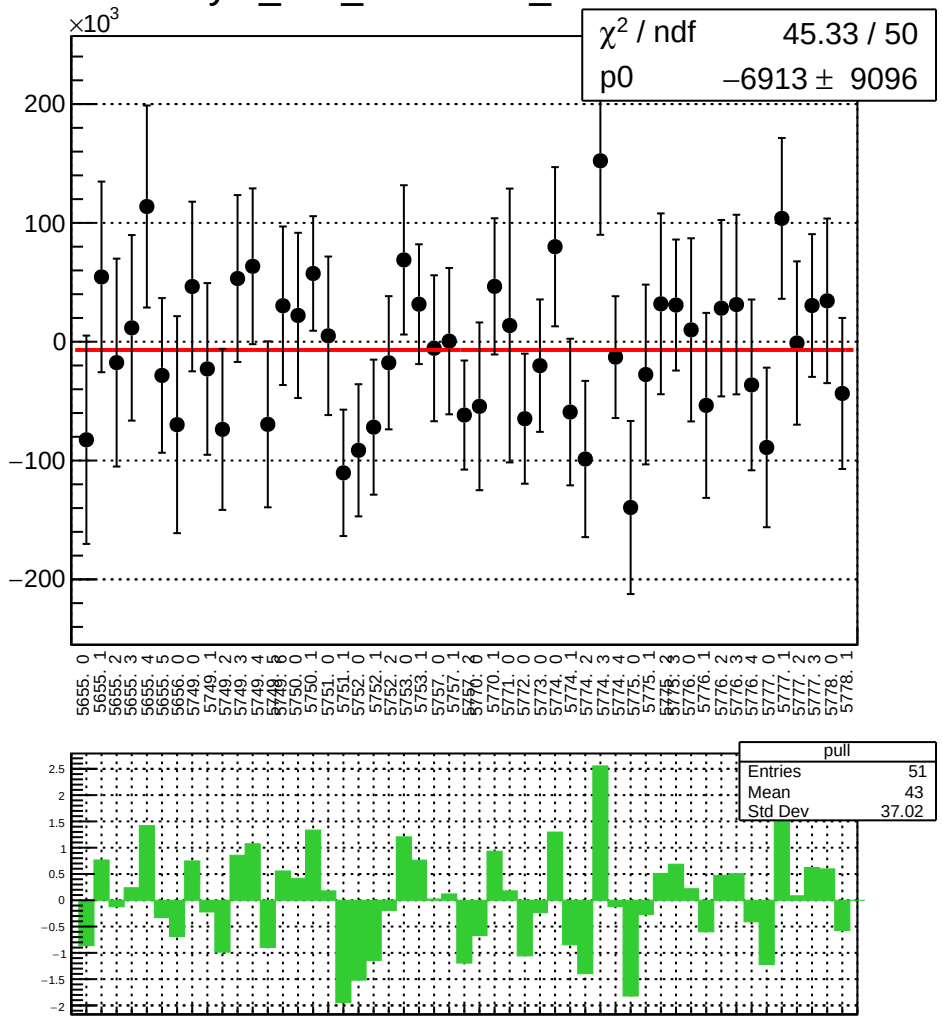

pull1D
Entries 51
Mean −0.0334
Std Dev 1.025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

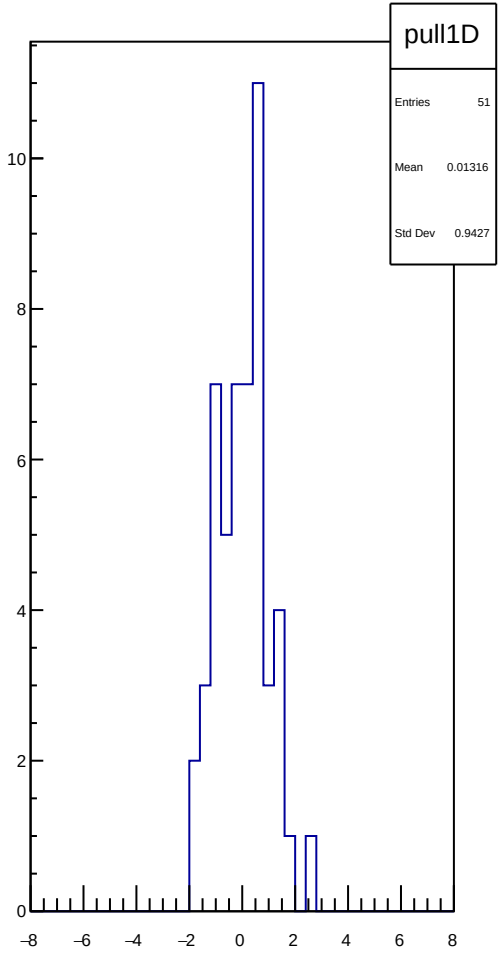

asym_atl1_rms vs run
χ² / ndf 8955 / 50
p0 4280 ± 4.208
5500
5000
4500
4000
3500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771.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

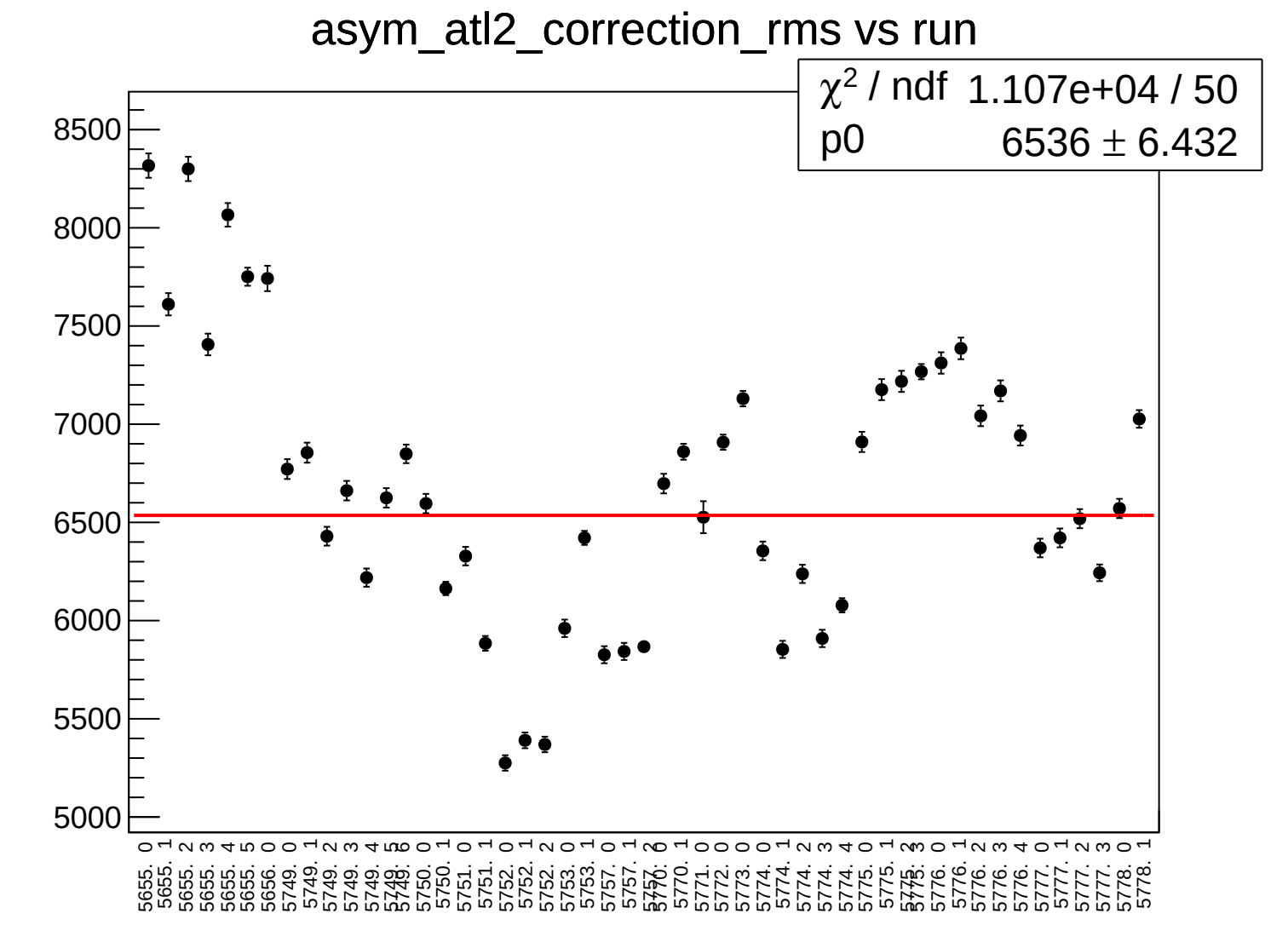

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 43.31 / 49
p0 −2765 ± 3062
50
0
−50
−100
−150
pull
Entries 50
Mean −2.197
Std Dev 7.042
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

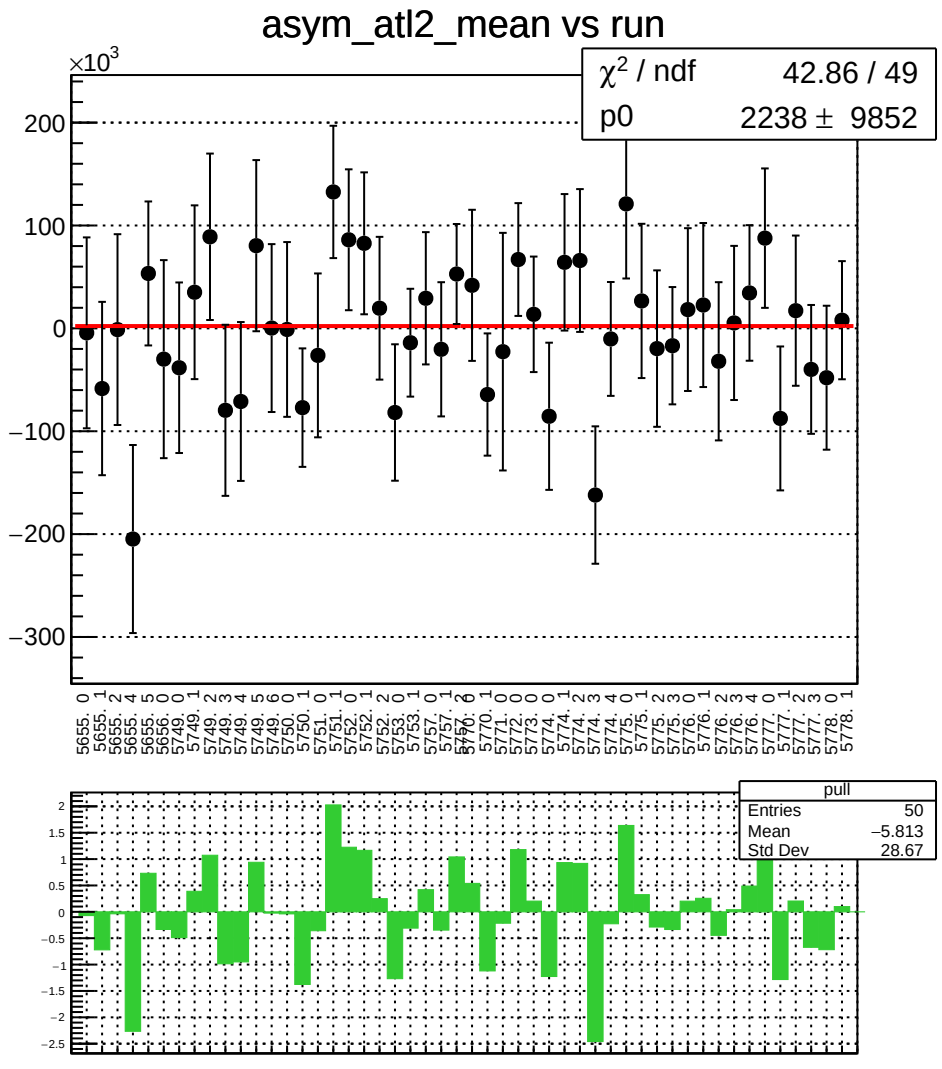

pull1D
Entries 50
Mean −0.05033
Std Dev 0.9293
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

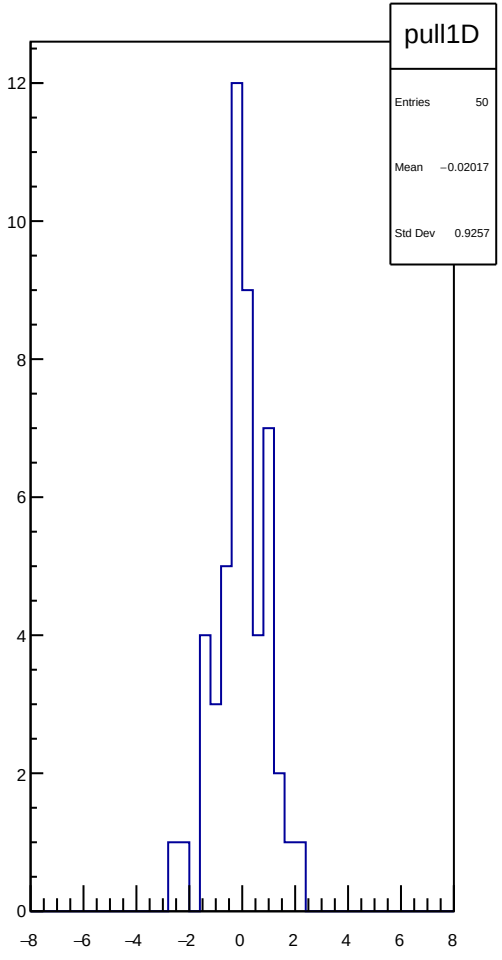

dit_asym_atl2_rms vs run
χ² / ndf 4.765e+04 / 50
p0 2161 ± 2.165
35000
30000
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

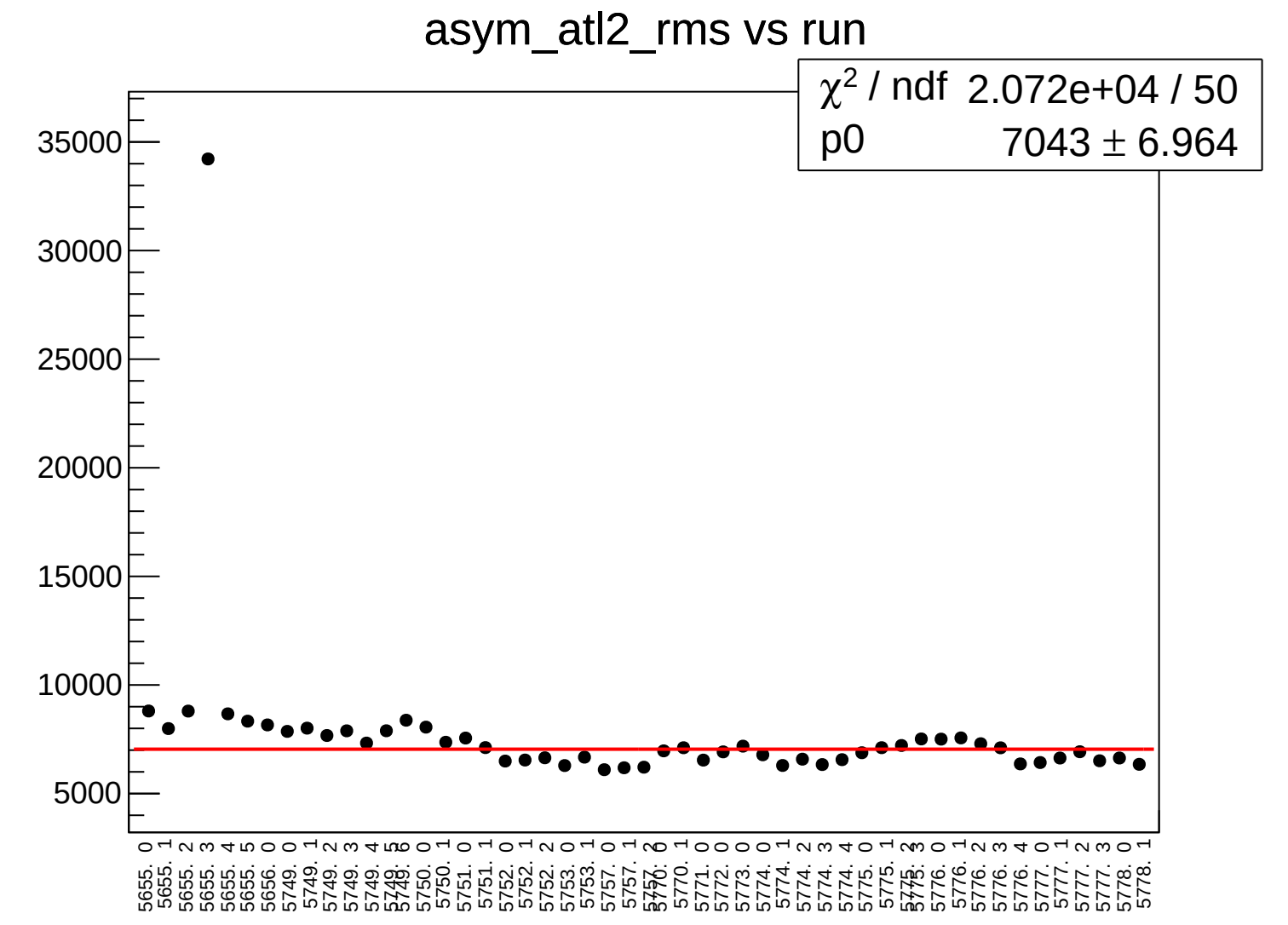

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 45.33 / 50
p0 −6913 ± 9096
200
100
0
−100
−200
pull
Entries 51
Mean 43
Std Dev 37.02
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

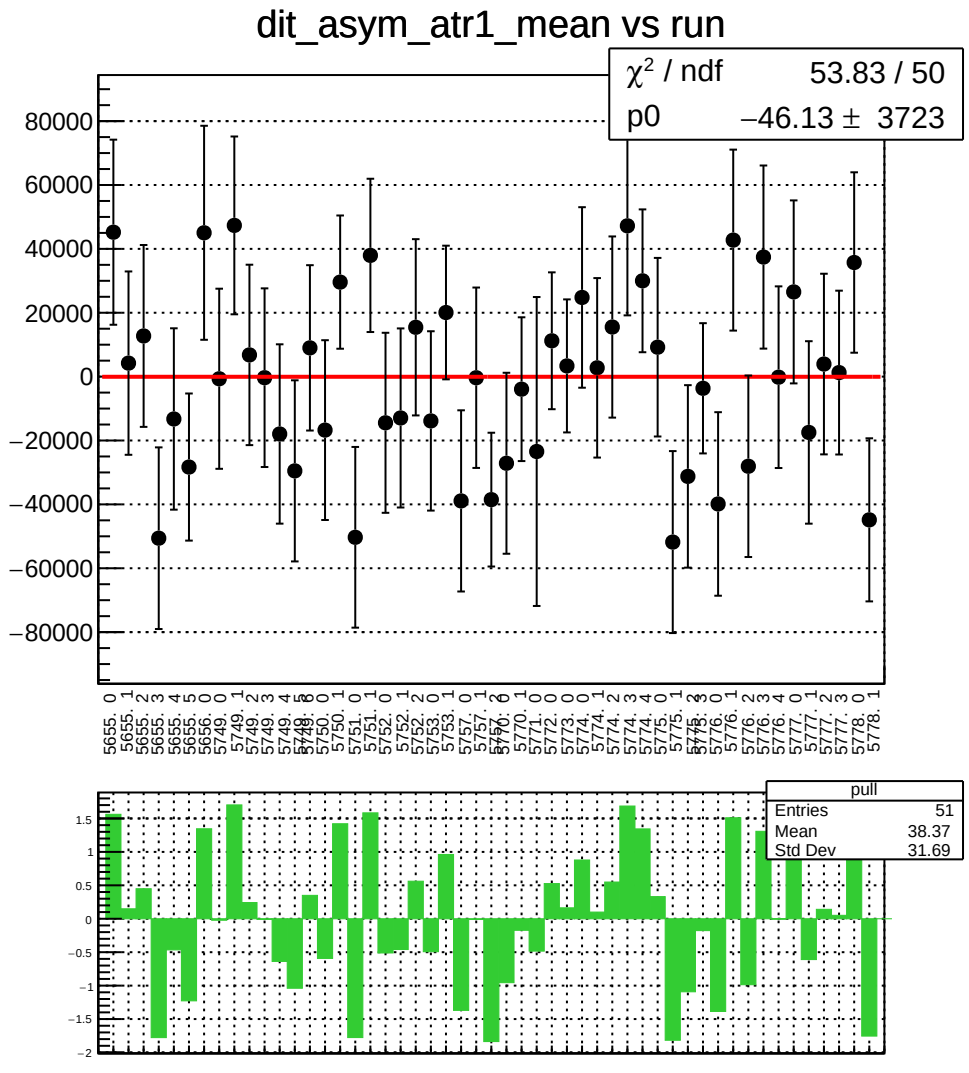

pull1D
Entries 51
Mean 0.01316
Std Dev 0.9427
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

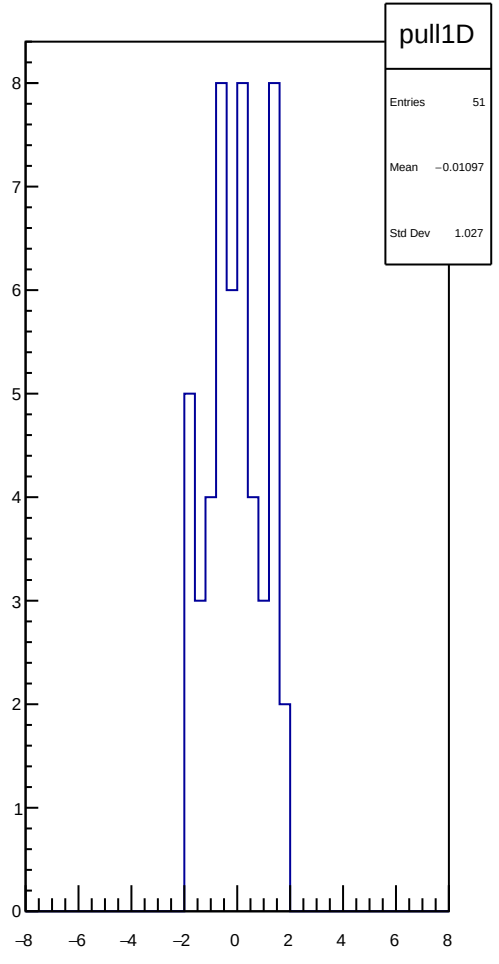

asym_atl2_correction_rms vs run
χ² / ndf 1.107e+04 / 50
p0 6536 ± 6.432
8500
8000
7500
7000
6500
6000
5500
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

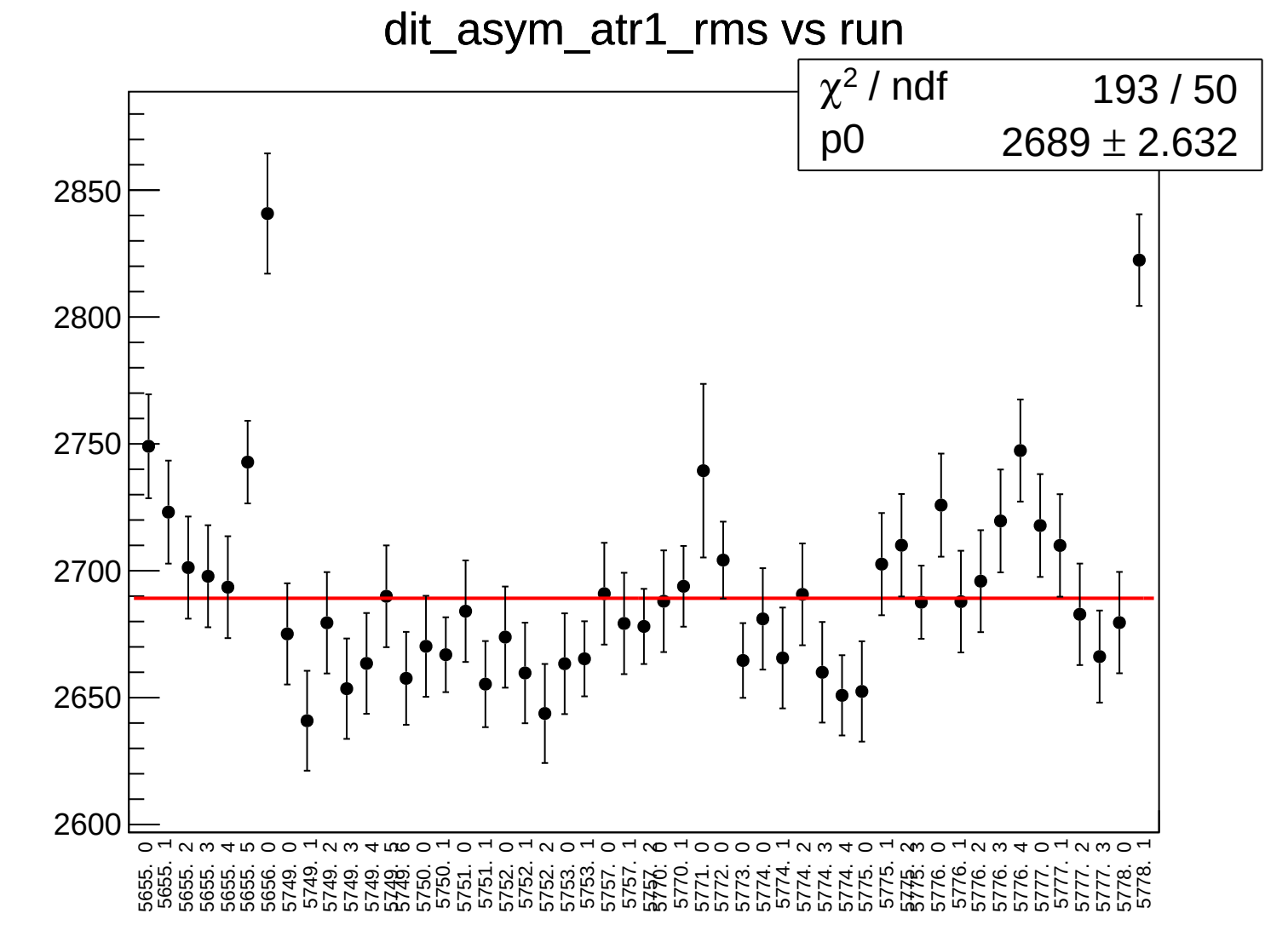

asym_atl2_mean vs run
×10^3
χ^2 / ndf 42.86 / 49
p0 2238 ± 9852
200
100
0
−100
−200
−300
5655. 0
5655. 1
5655. 2
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770. 1
5771. 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

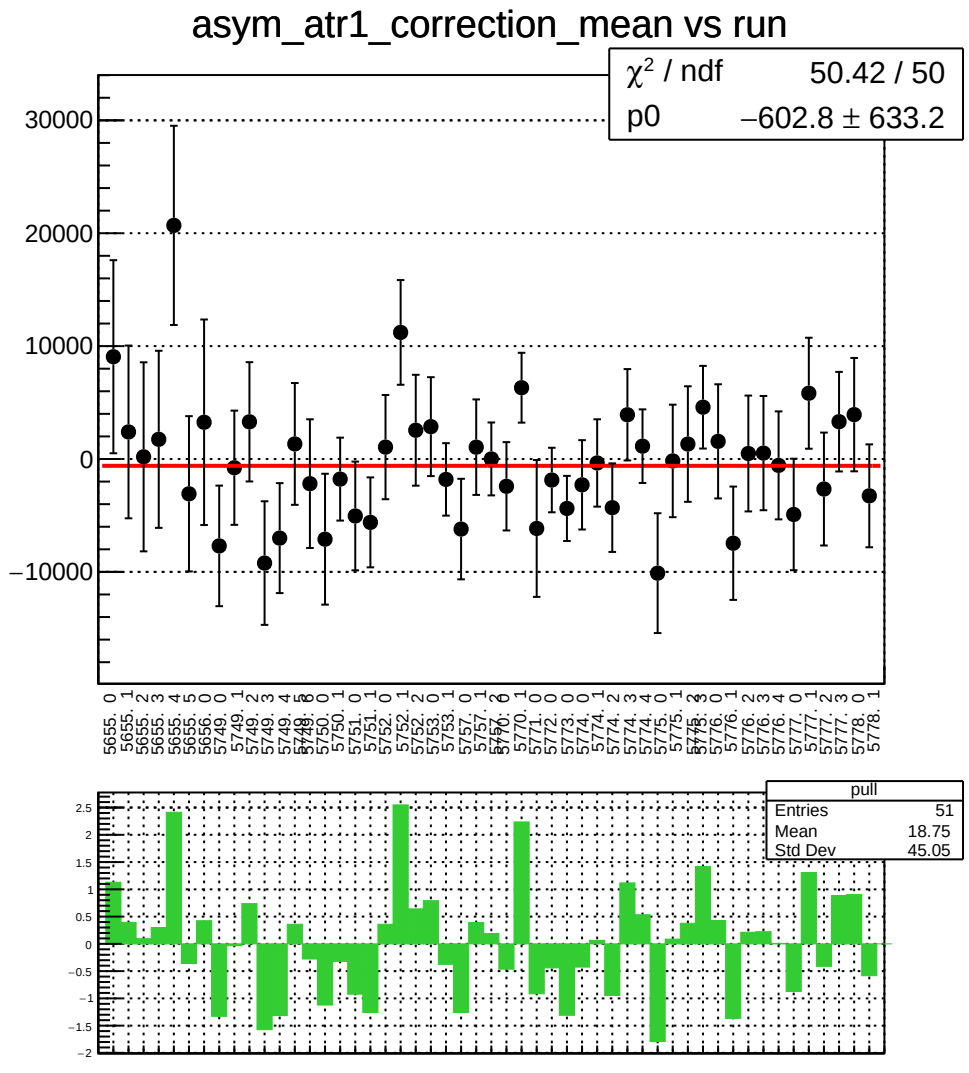

pull1D
Entries 50
Mean −0.02017
Std Dev 0.9257
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

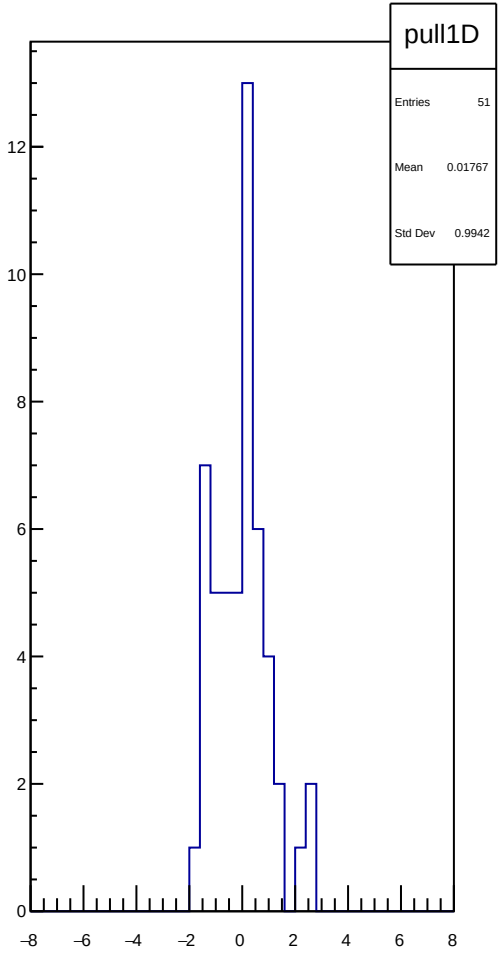

asym_atl2_rms vs run
χ² / ndf 2.072e+04 / 50
p0 7043 ± 6.964
35000
30000
25000
20000
15000
10000
5000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1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

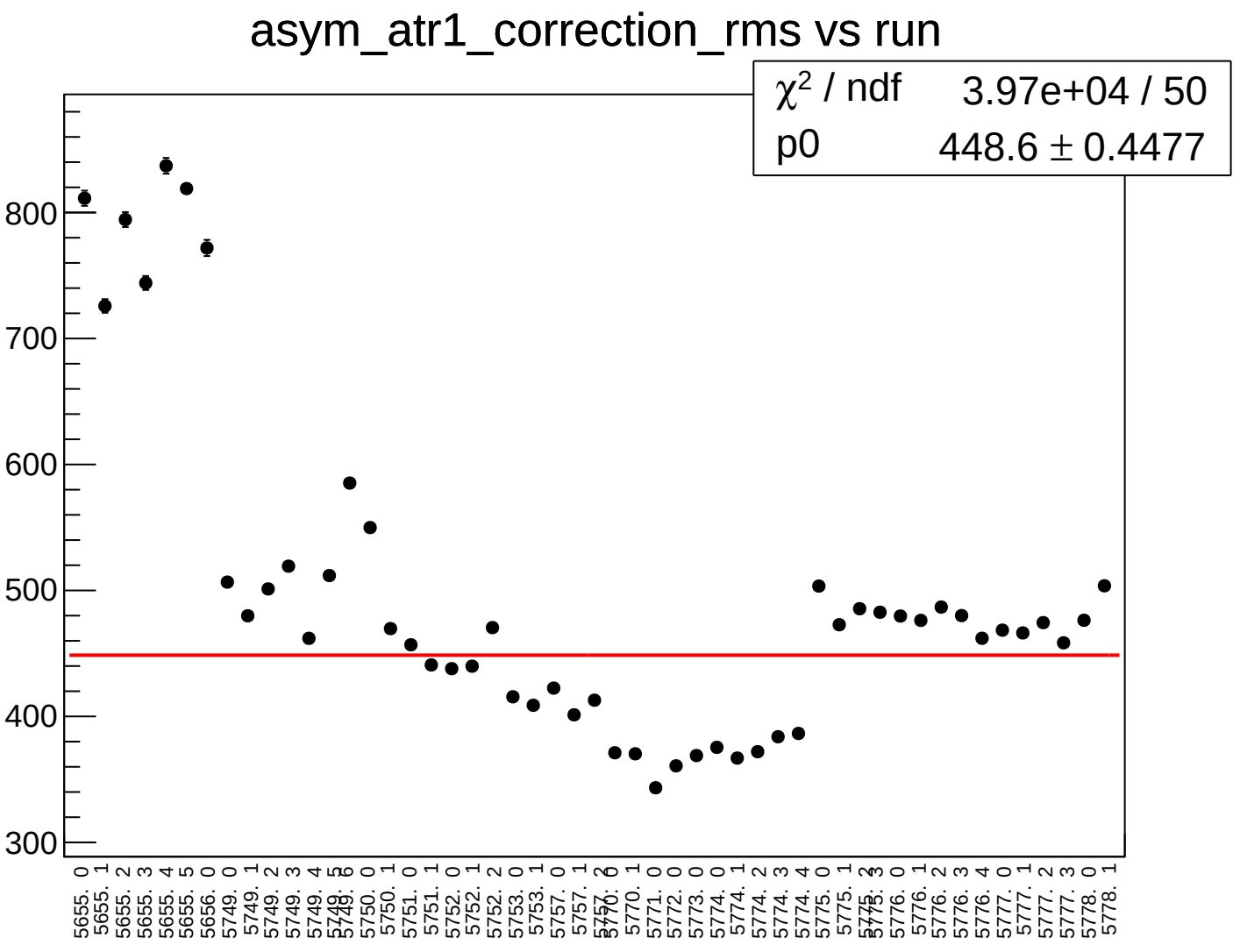

dit_asym_atr1_mean vs run
χ² / ndf 53.83 / 50
p0 −46.13 ± 3723
pull
Entries 51
Mean 38.37
Std Dev 31.69

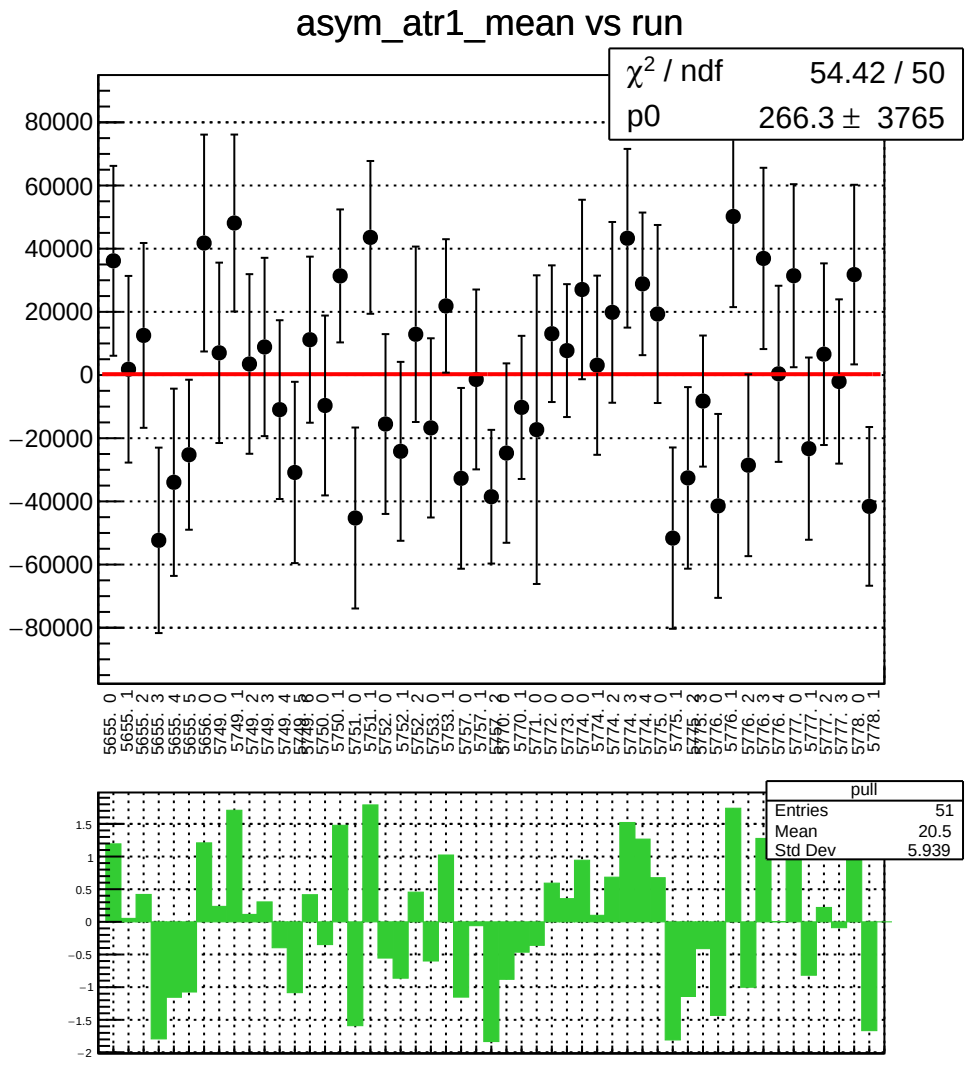

pull1D
Entries 51
Mean −0.01097
Std Dev 1.027

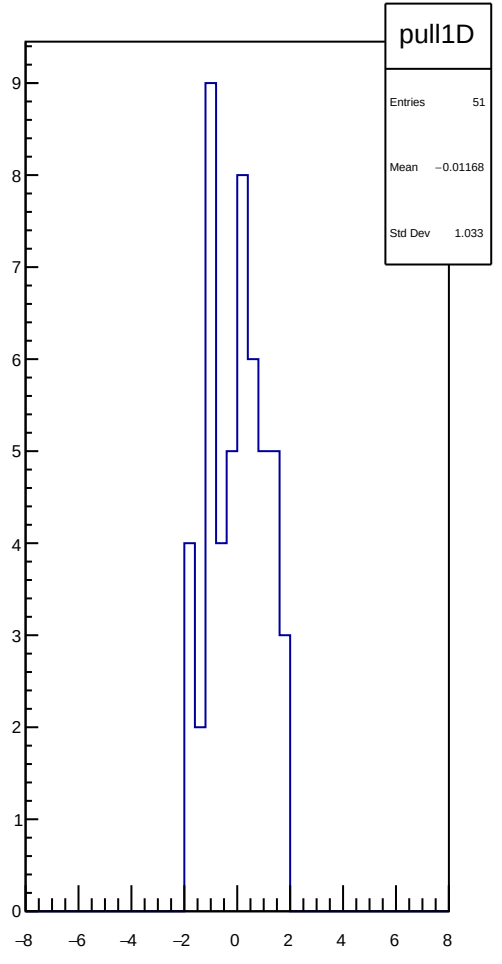

dit_asym_atr1_rms vs run
χ² / ndf 193 / 50
p0 2689 ± 2.632
2850
2800
2750
2700
2650
2600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 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

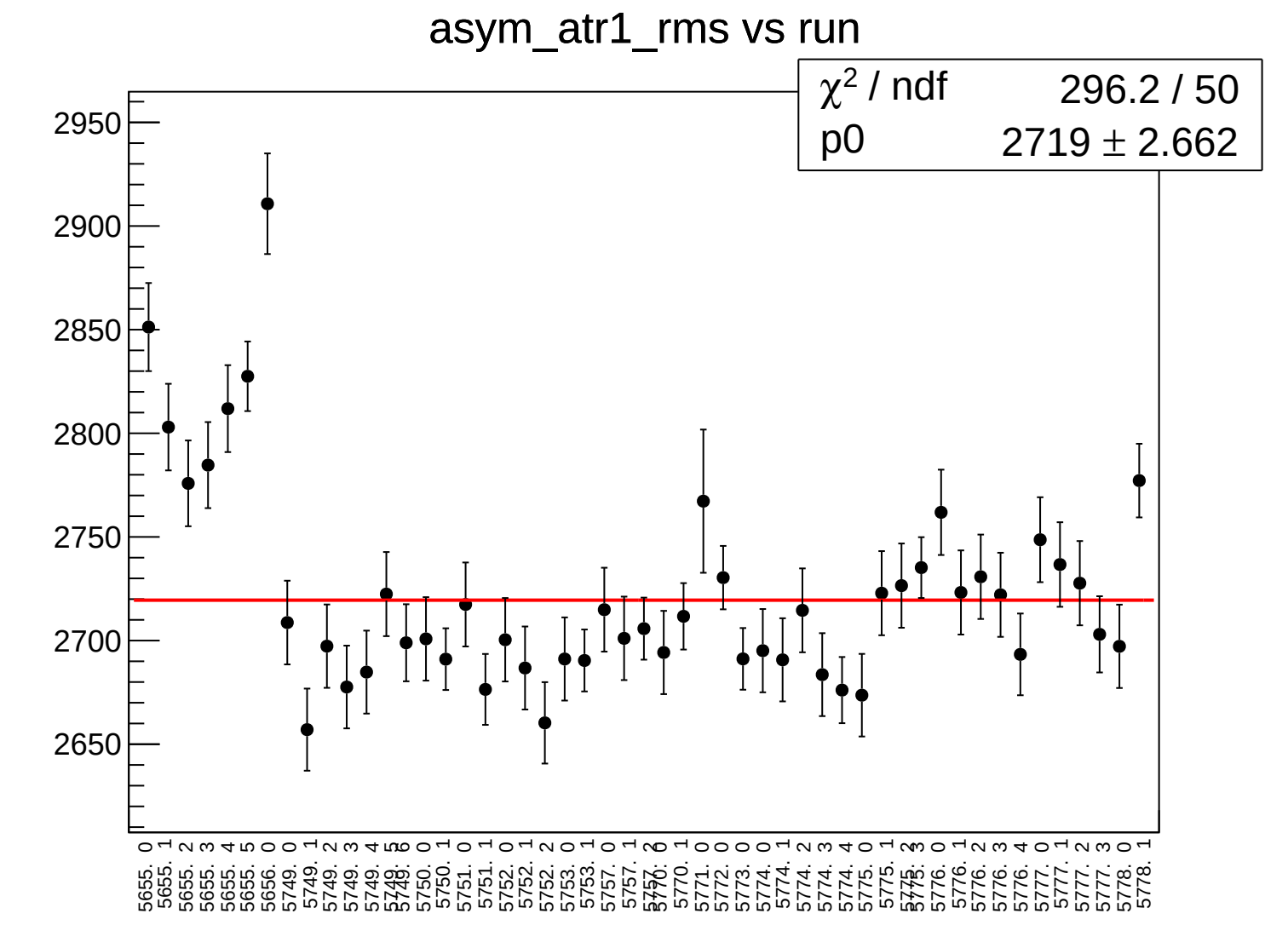

asym_atr1_correction_mean vs run
χ² / ndf 50.42 / 50
p0 −602.8 ± 633.2
pull
Entries 51
Mean 18.75
Std Dev 45.05

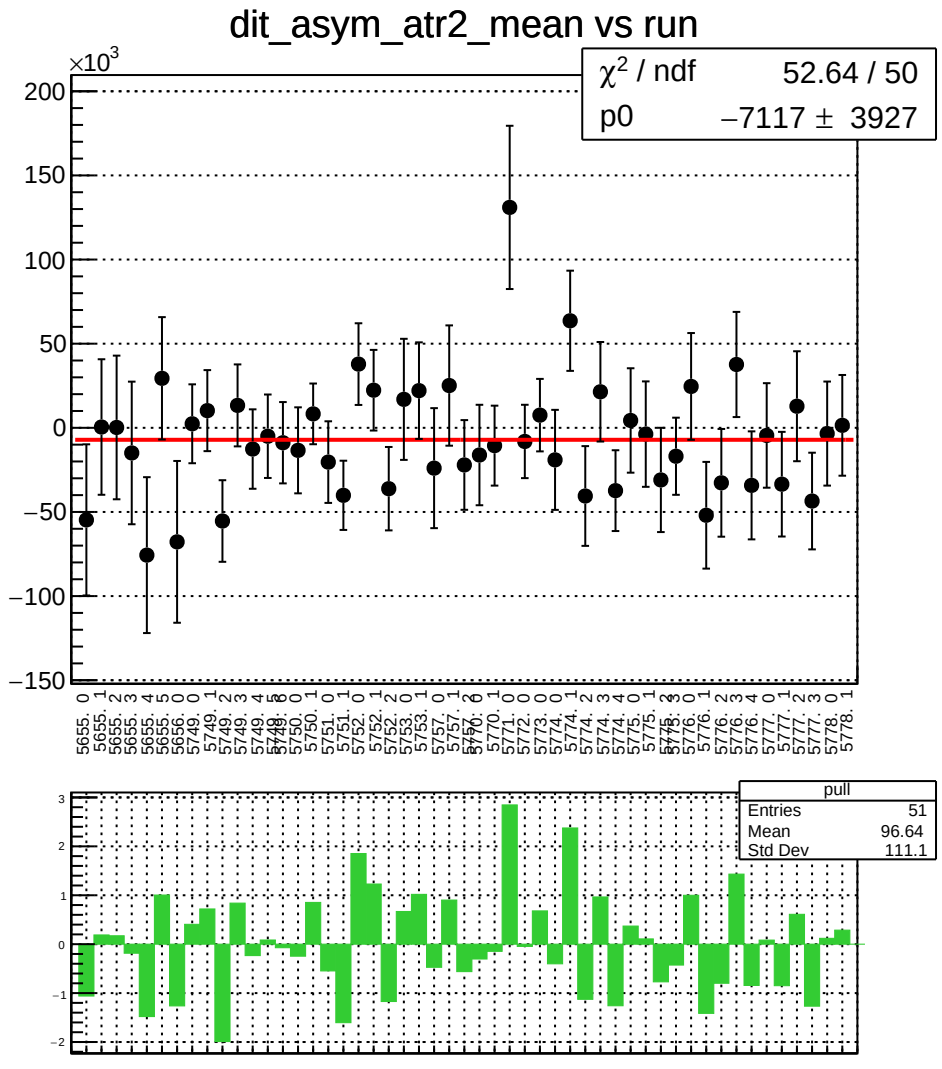

pull1D
Entries 51
Mean 0.01767
Std Dev 0.9942

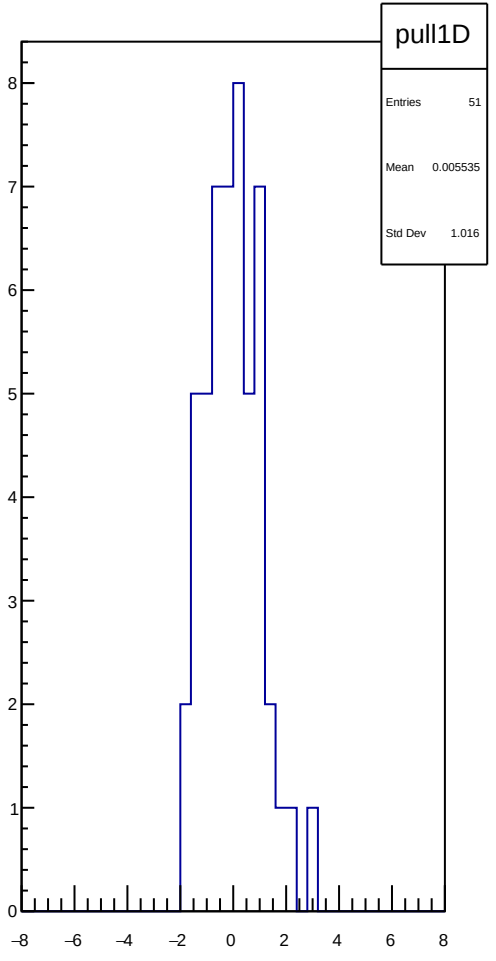

asym_atr1_correction_rms vs run
χ² / ndf 3.97e+04 / 50
p0 448.6 ± 0.4477
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

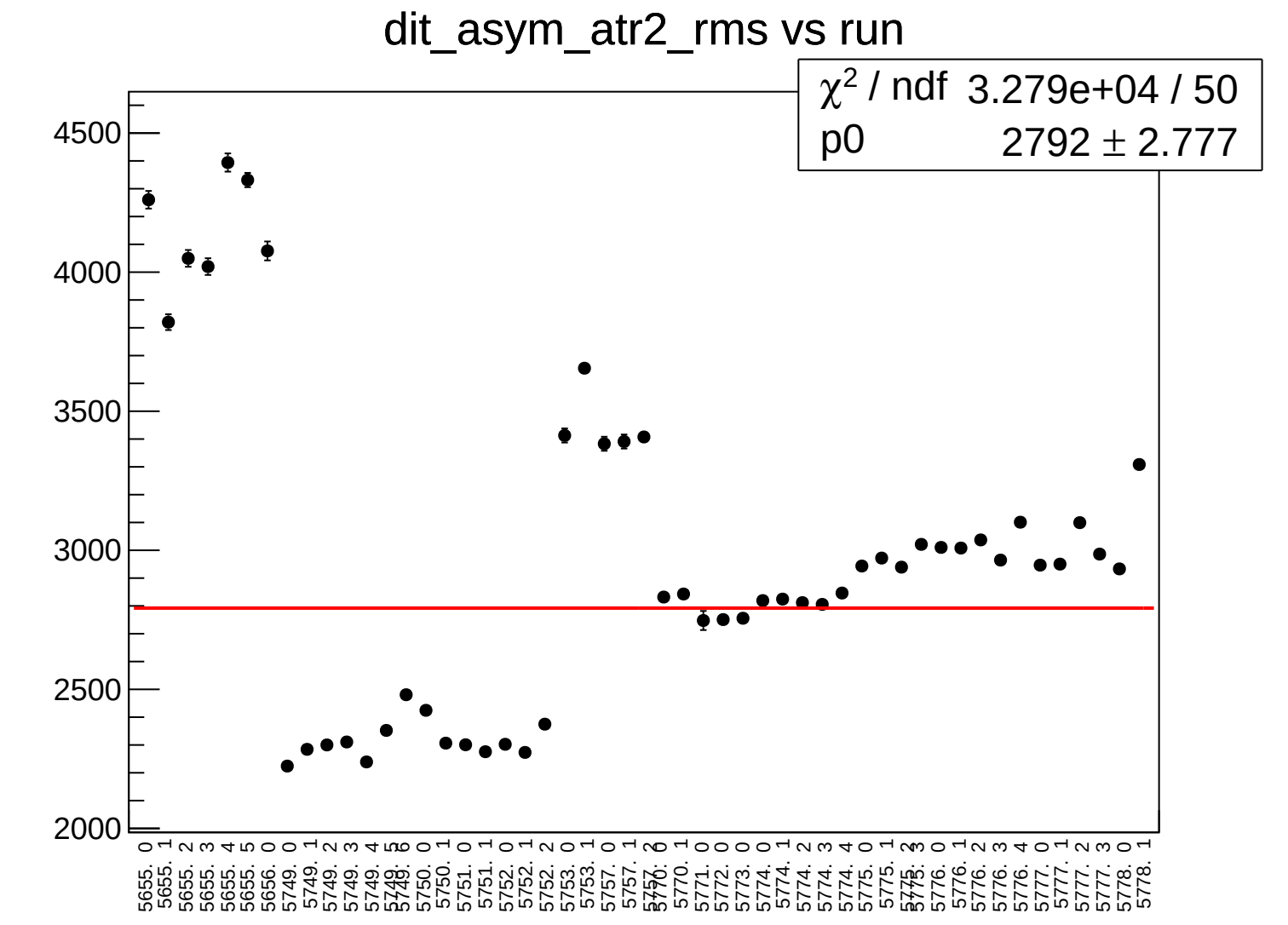

asym_atr1_mean vs run
χ² / ndf 54.42 / 50
p0 266.3 ± 3765
pull
Entries 51
Mean 20.5
Std Dev 5.939

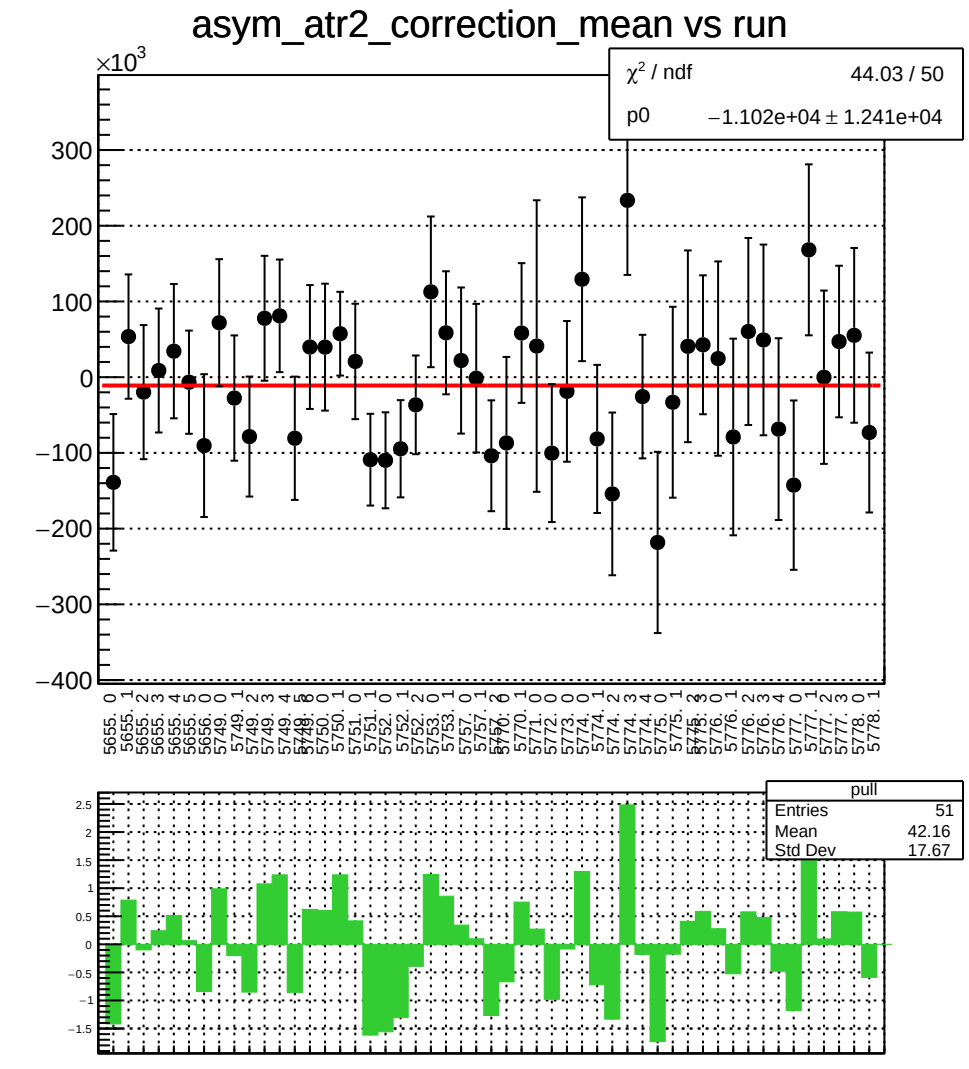

pull1D
Entries 51
Mean −0.01168
Std Dev 1.033

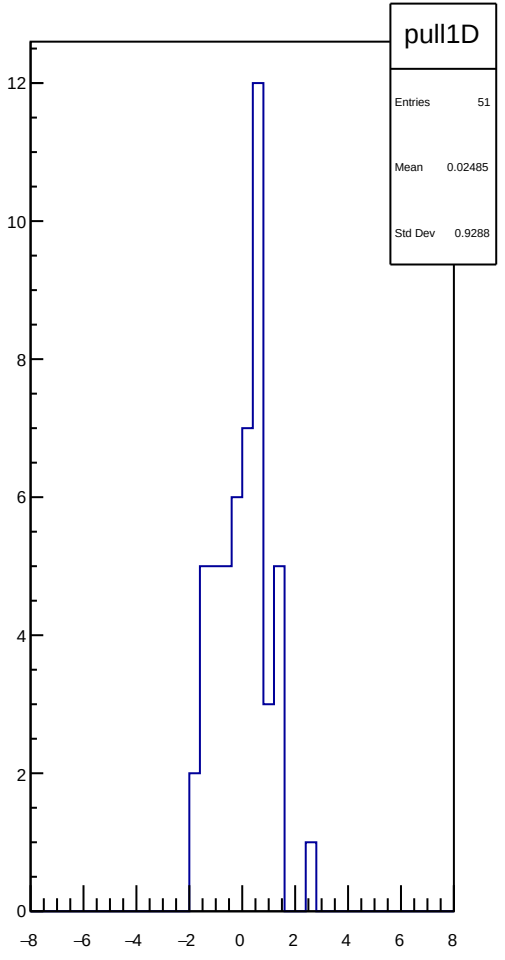

asym_atr1_rms vs run
χ^2 / ndf 296.2 / 50
p0 2719 ± 2.662
2950
2900
2850
2800
2750
2700
2650
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0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

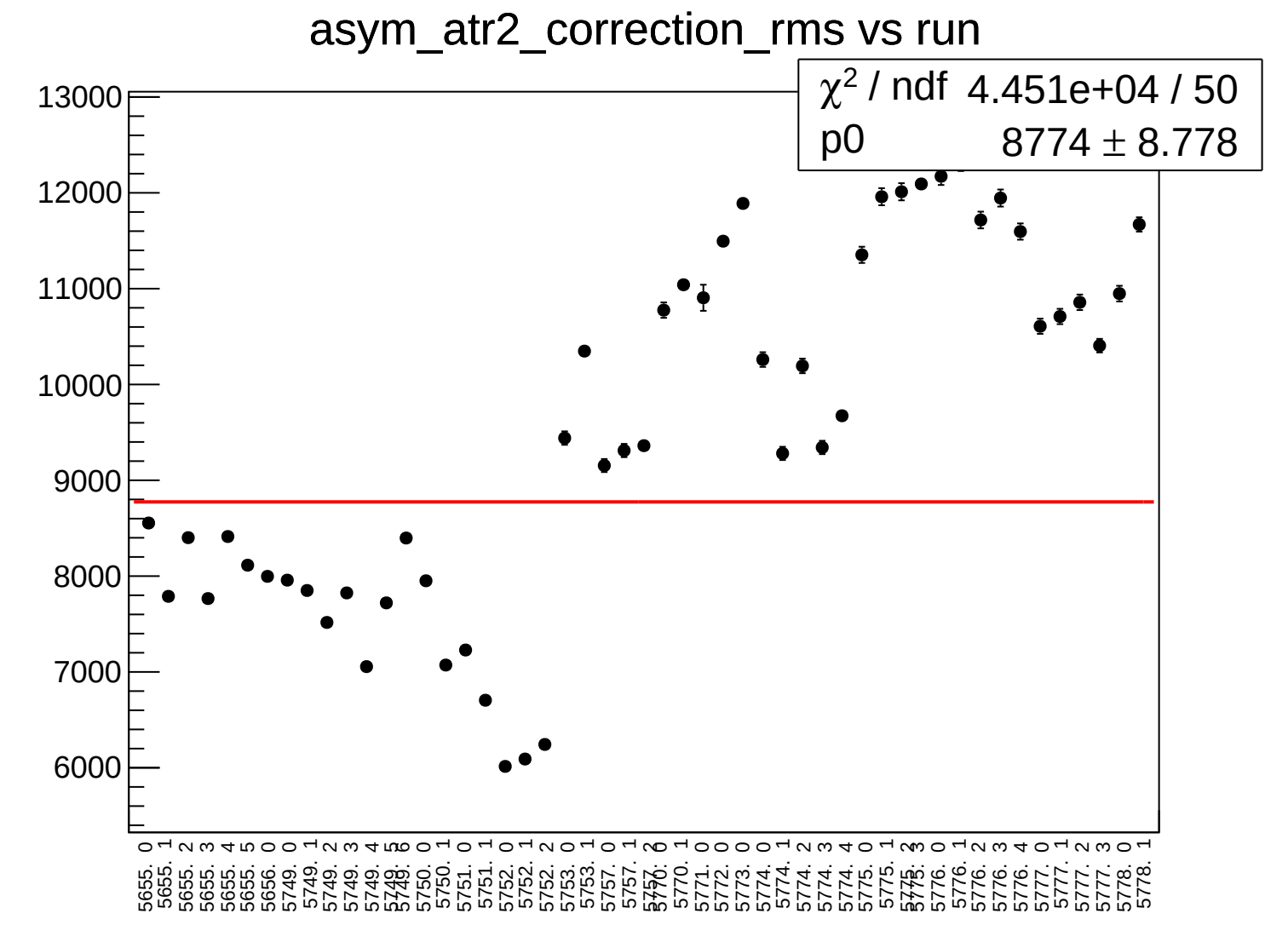

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 52.64 / 50
p0 −7117 ± 3927
pull
Entries 51
Mean 96.64
Std Dev 111.1

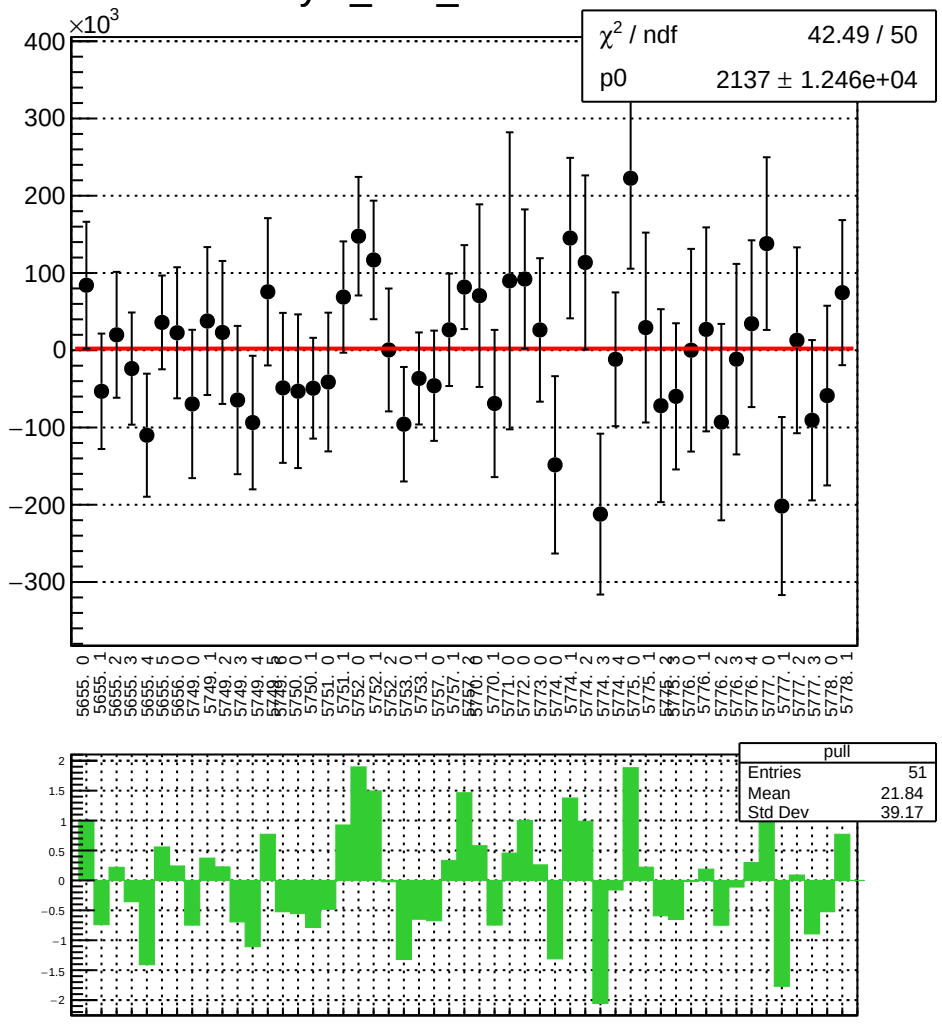

pull1D
Entries 51
Mean 0.005535
Std Dev 1.016

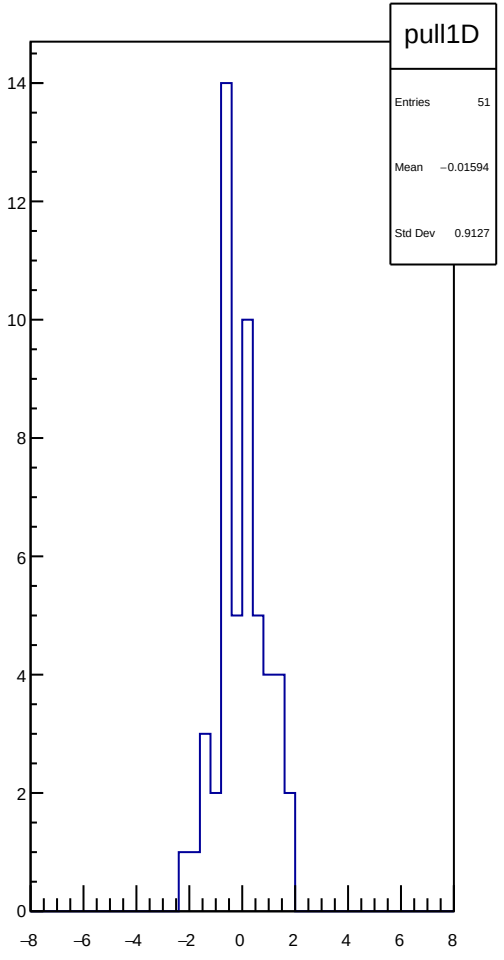

dit_asym_atr2_rms vs run
χ² / ndf 3.279e+04 / 50
p0 2792 ± 2.777
4500
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

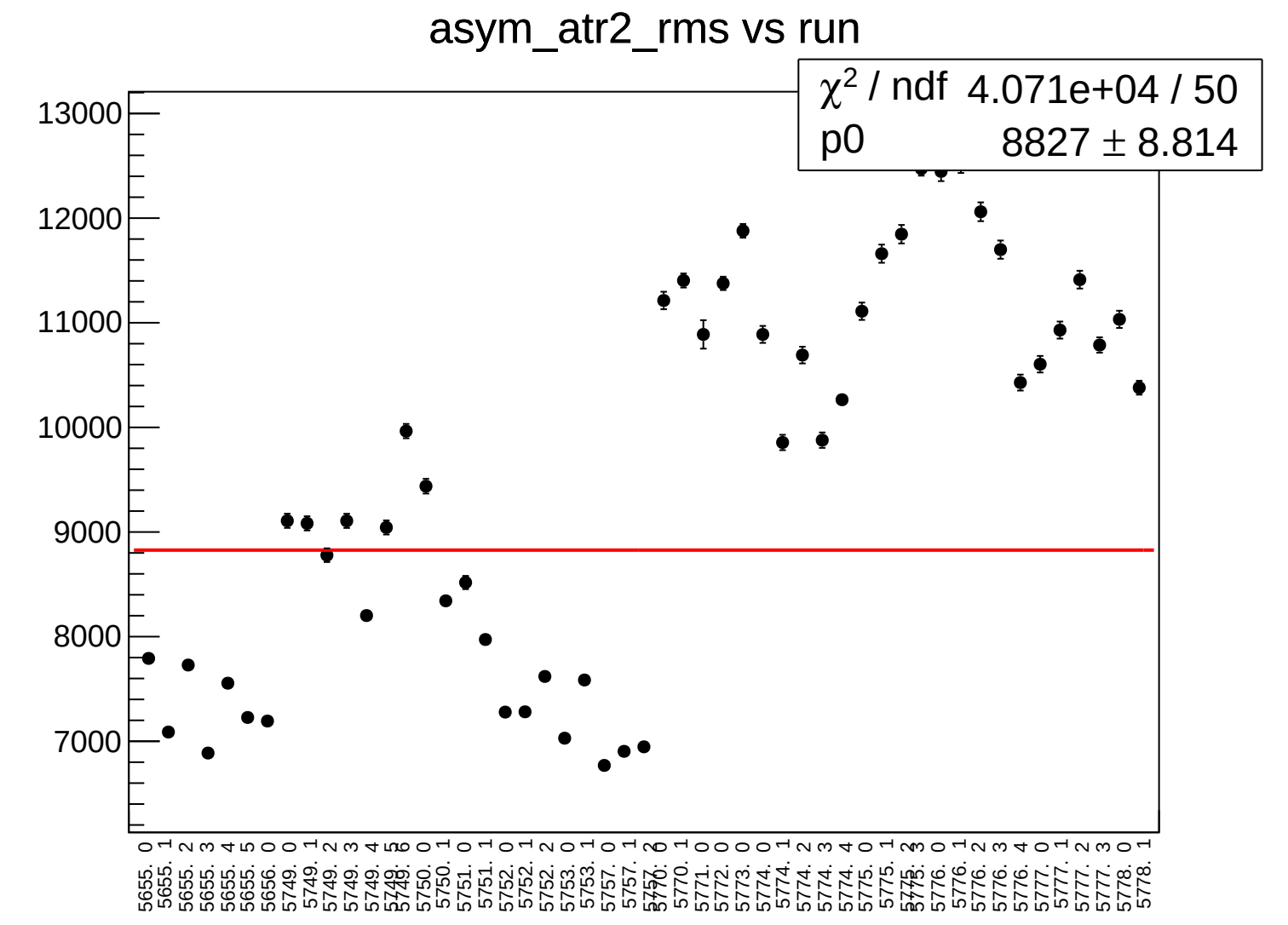

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 44.03 / 50
p0 −1.102e+04 ± 1.241e+04
pull
Entries 51
Mean 42.16
Std Dev 17.67

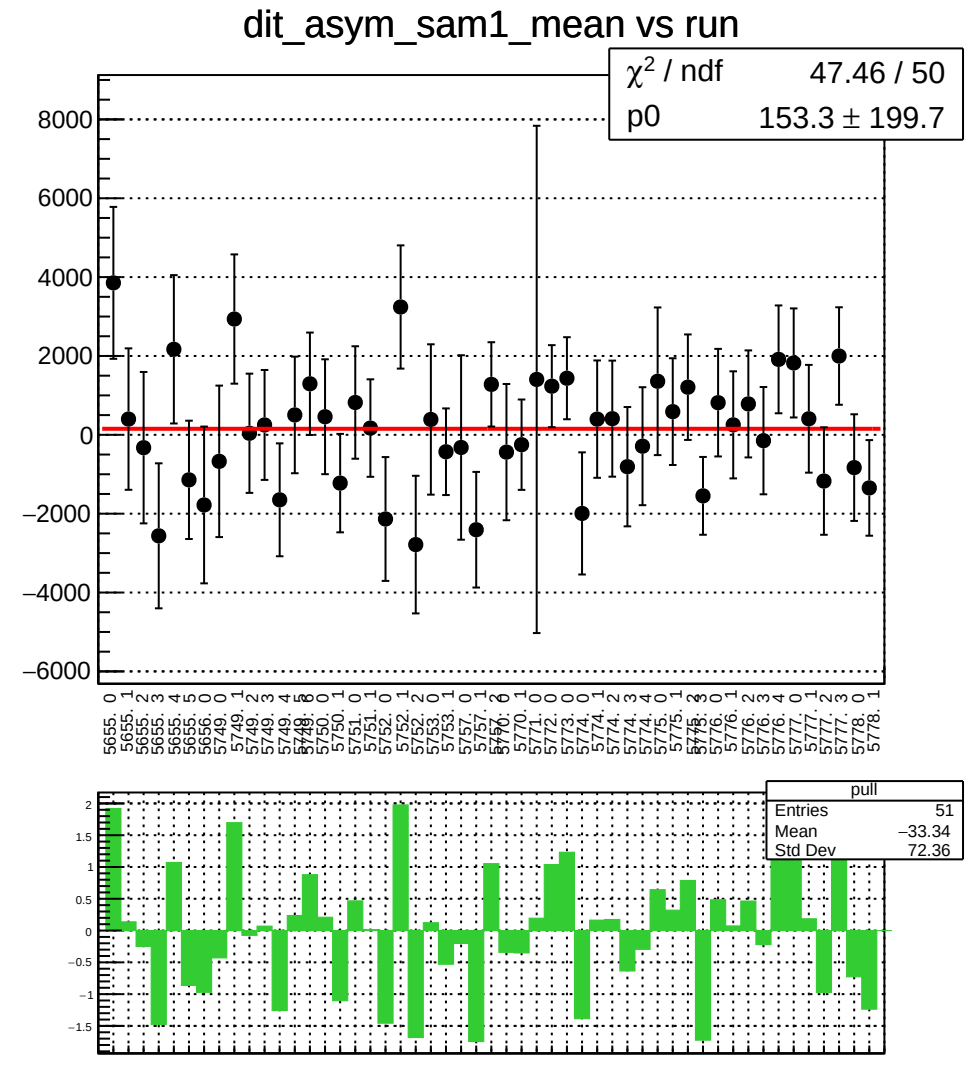

pull1D
Entries 51
Mean 0.02485
Std Dev 0.9288

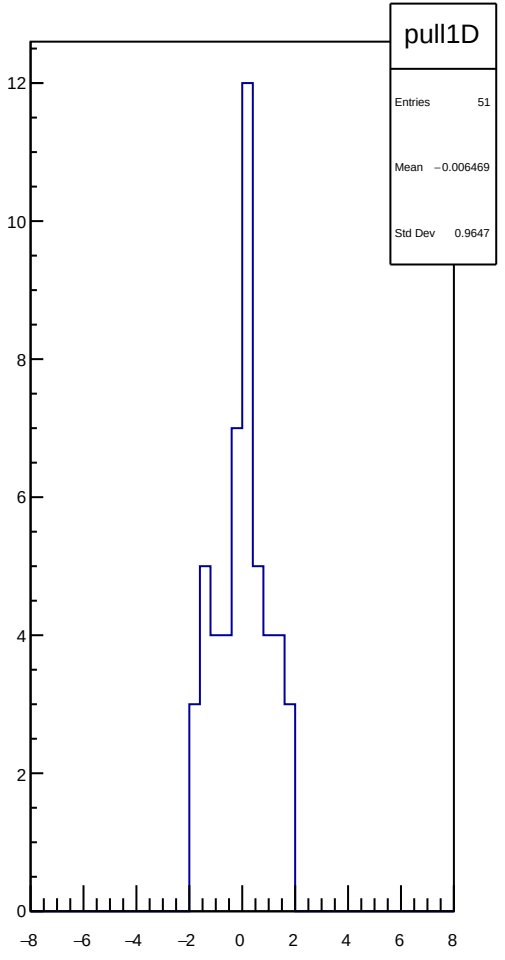

asym_atr2_correction_rms vs run
χ² / ndf 4.451e+04 / 50
p0 8774 ± 8.778
13000
12000
11000
10000
9000
8000
7000
6000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

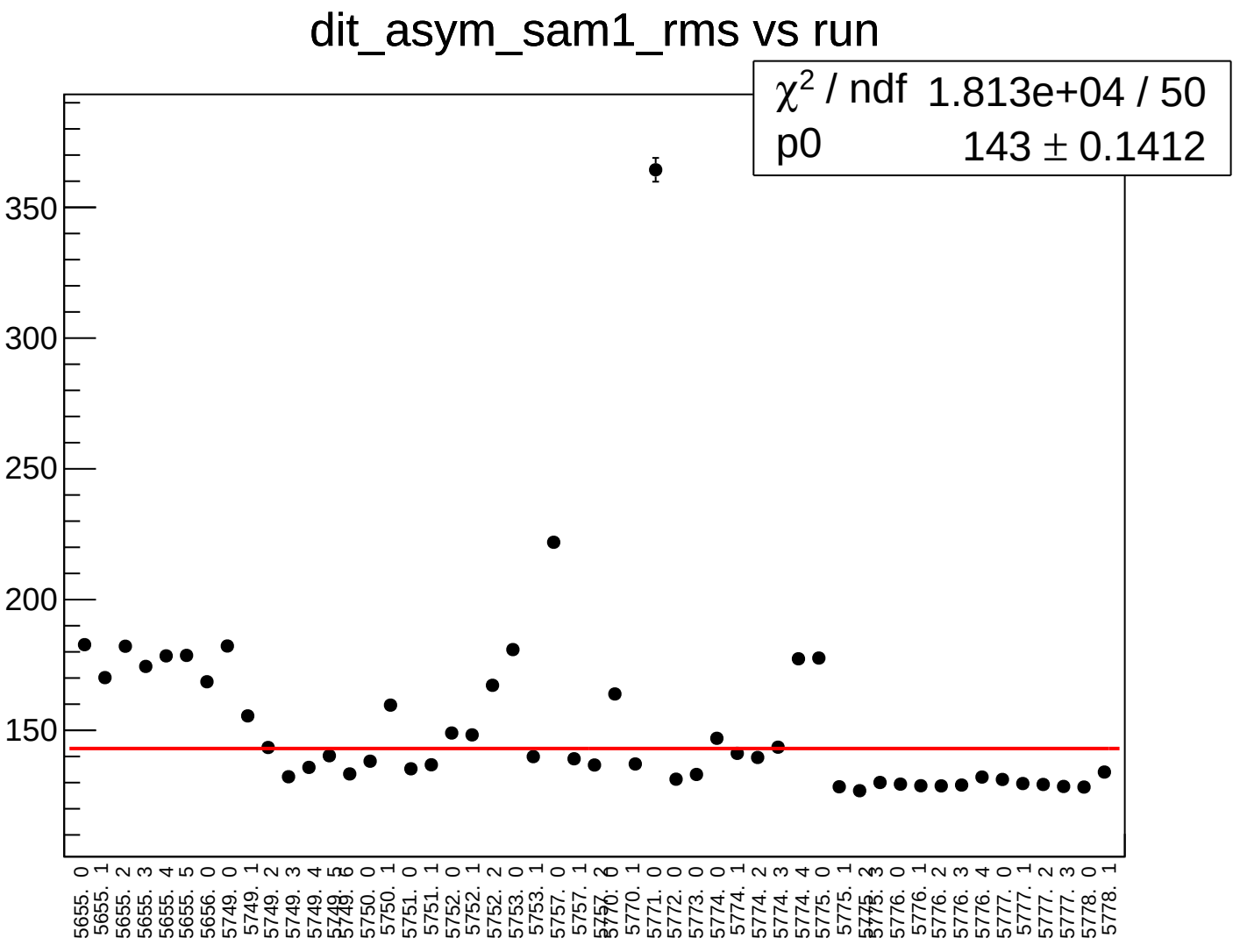

asym_atr2_mean vs run
×10^3
χ² / ndf 42.49 / 50
p0 2137 ± 1.246e+04
pull
Entries 51
Mean 21.84
Std Dev 39.17

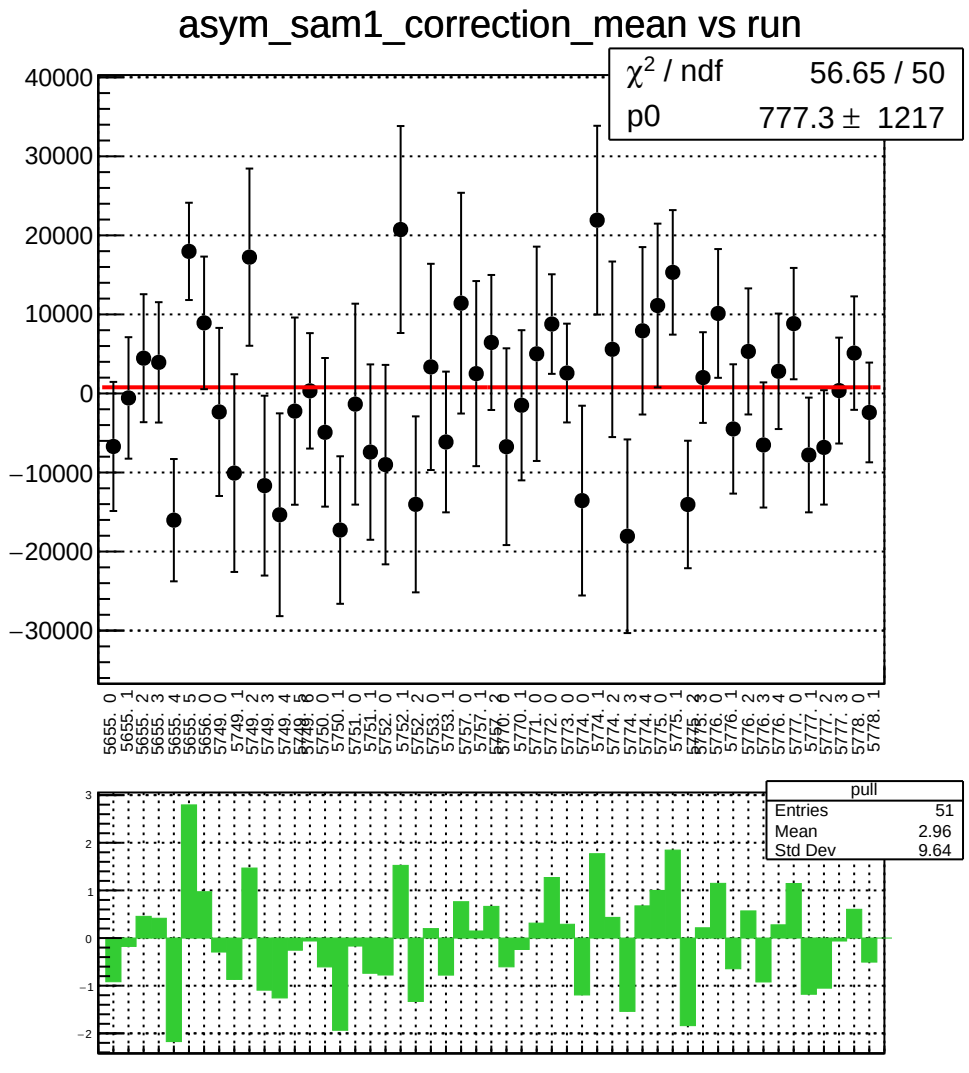

pull1D
Entries 51
Mean −0.01594
Std Dev 0.9127

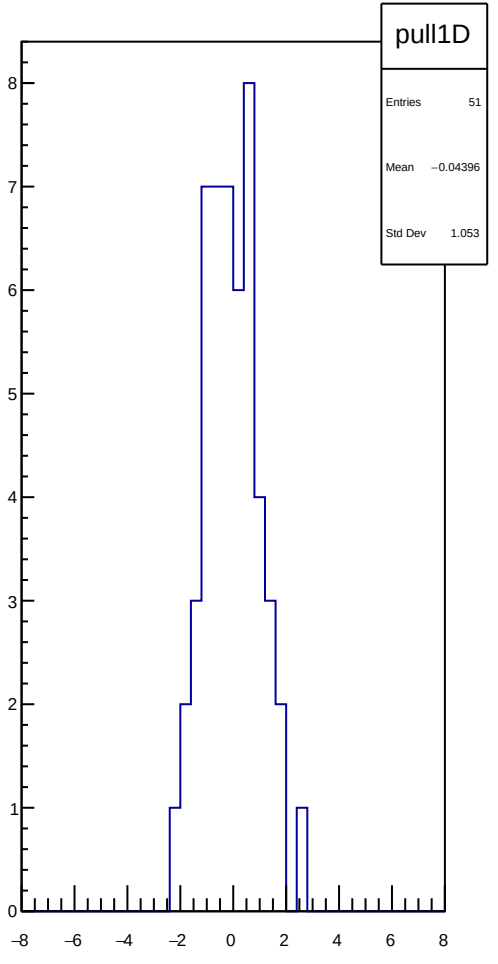

asym_atr2_rms vs run
χ² / ndf 4.071e+04 / 50
p0 8827 ± 8.814
13000
12000
11000
10000
9000
8000
7000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757.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

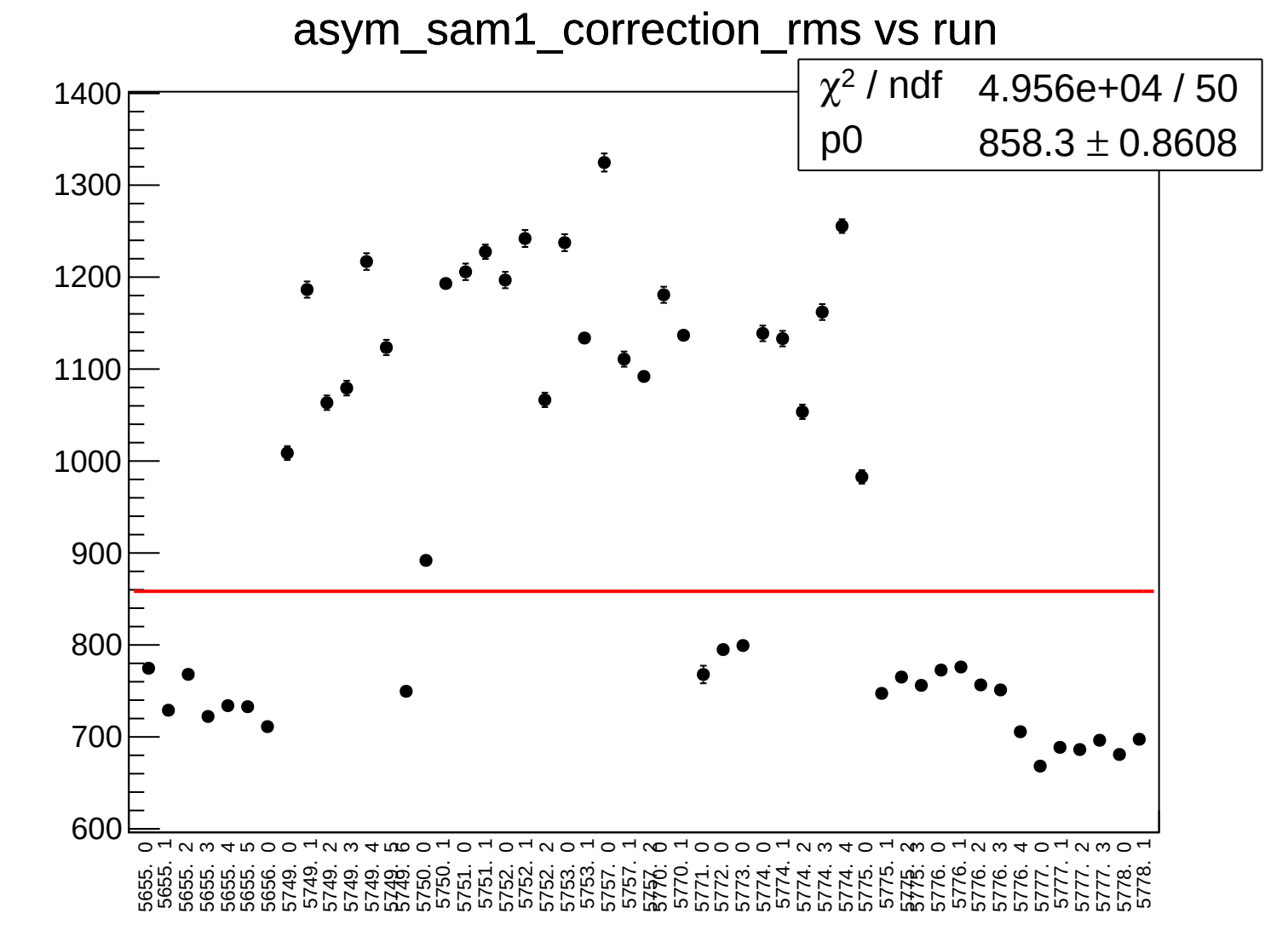

dit_asym_sam1_mean vs run
χ^2 / ndf 47.46 / 50
p0 153.3 ± 199.7
pull
Entries 51
Mean −33.34
Std Dev 72.36

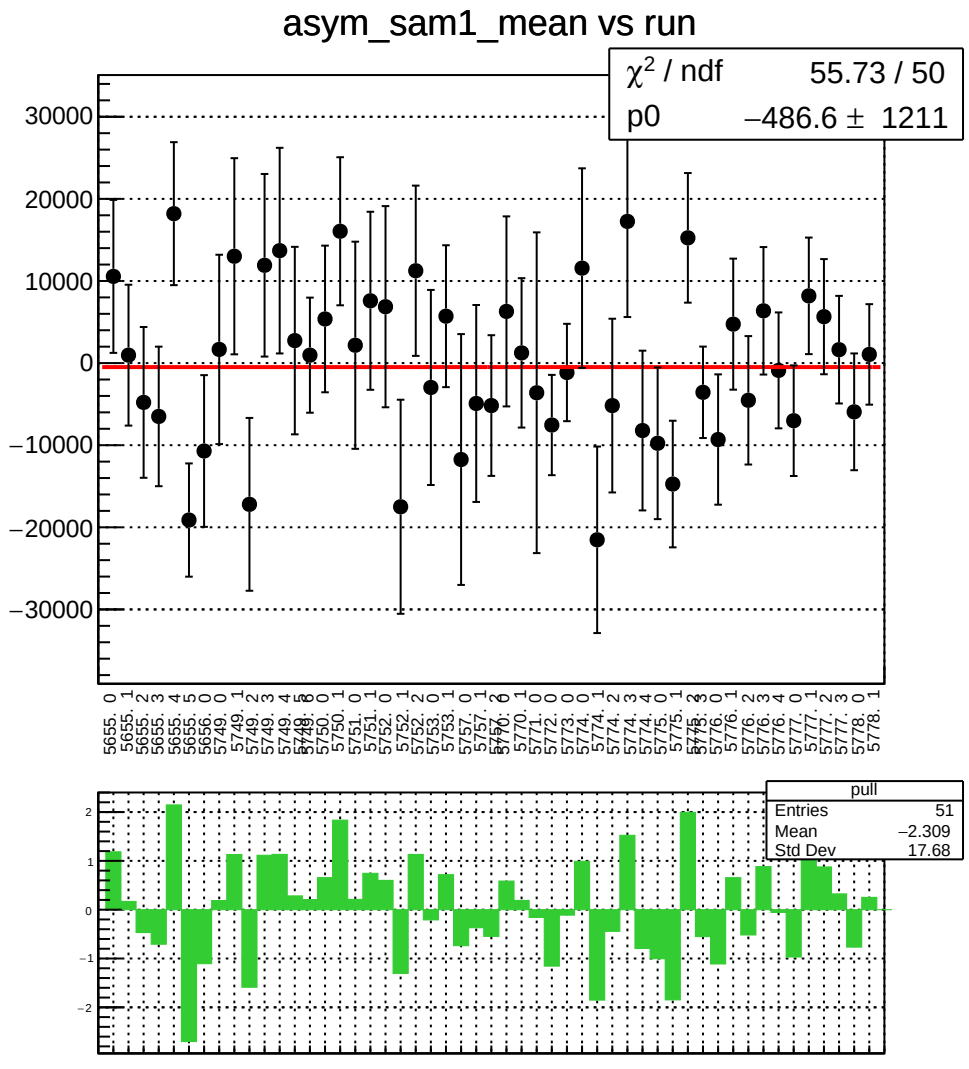

pull1D
Entries 51
Mean −0.006469
Std Dev 0.9647

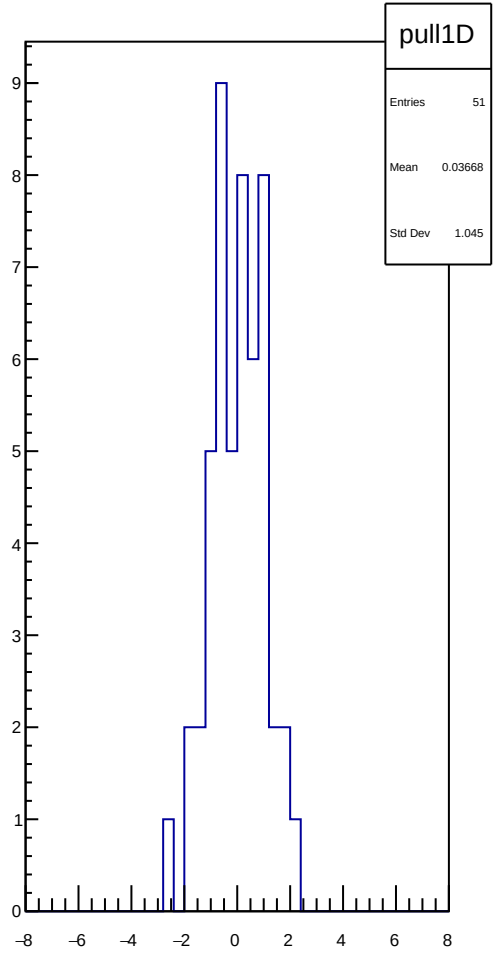

dit_asym_sam1_rms vs run
χ² / ndf 1.813e+04 / 50
p0 143 ± 0.1412
350
300
250
200
150
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
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
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5777. 3
5778. 0
5778. 1

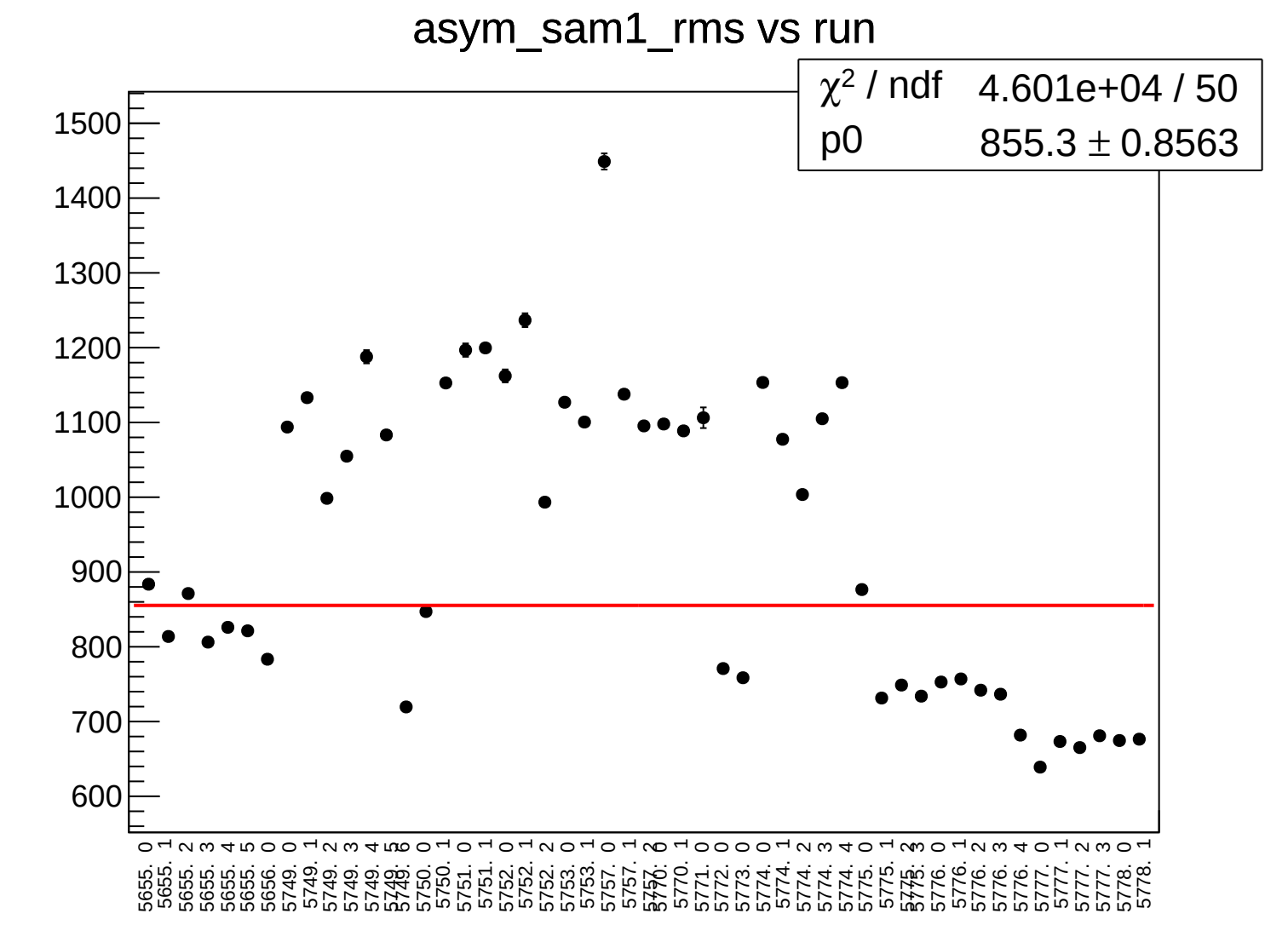

asym_sam1_correction_mean vs run
χ² / ndf 56.65 / 50
p0 777.3 ± 1217
pull
Entries 51
Mean 2.96
Std Dev 9.64

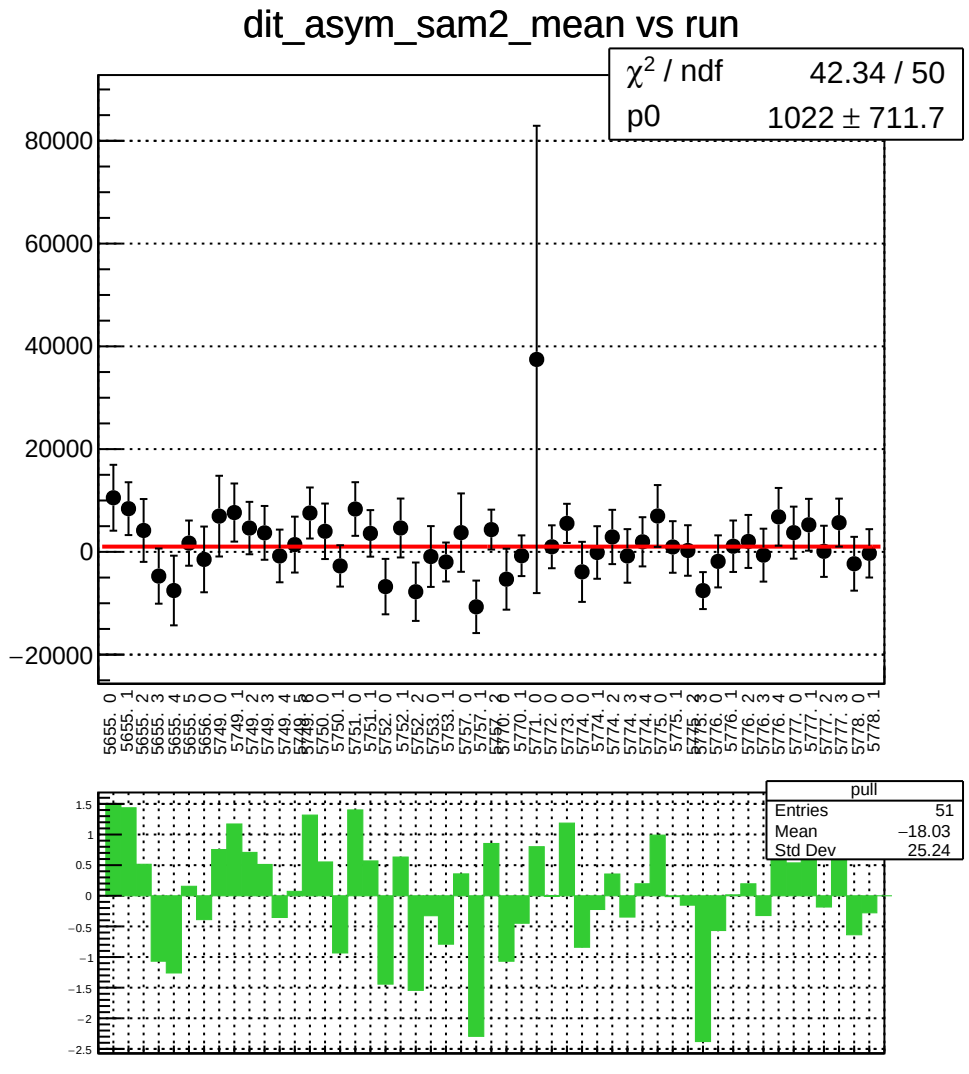

pull1D
Entries 51
Mean −0.04396
Std Dev 1.053

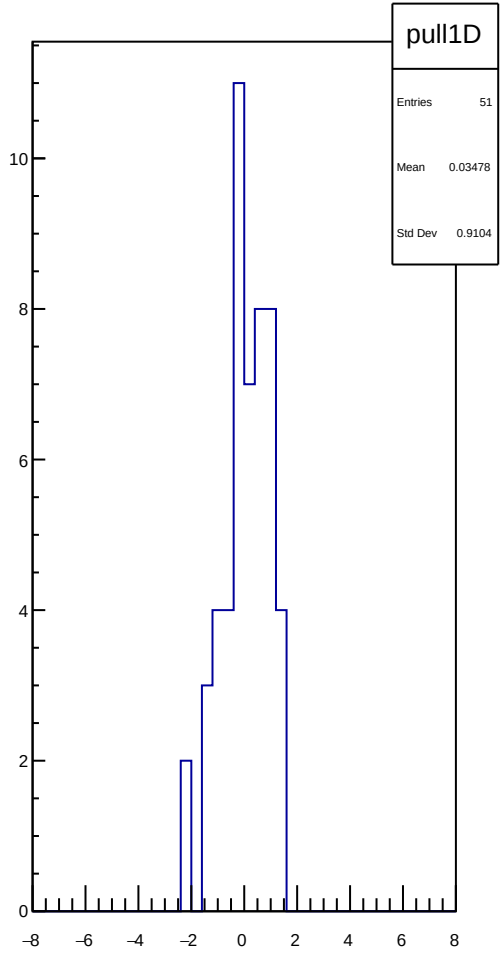

asym_sam1_correction_rms vs run
χ² / ndf 4.956e+04 / 50
p0 858.3 ± 0.8608
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

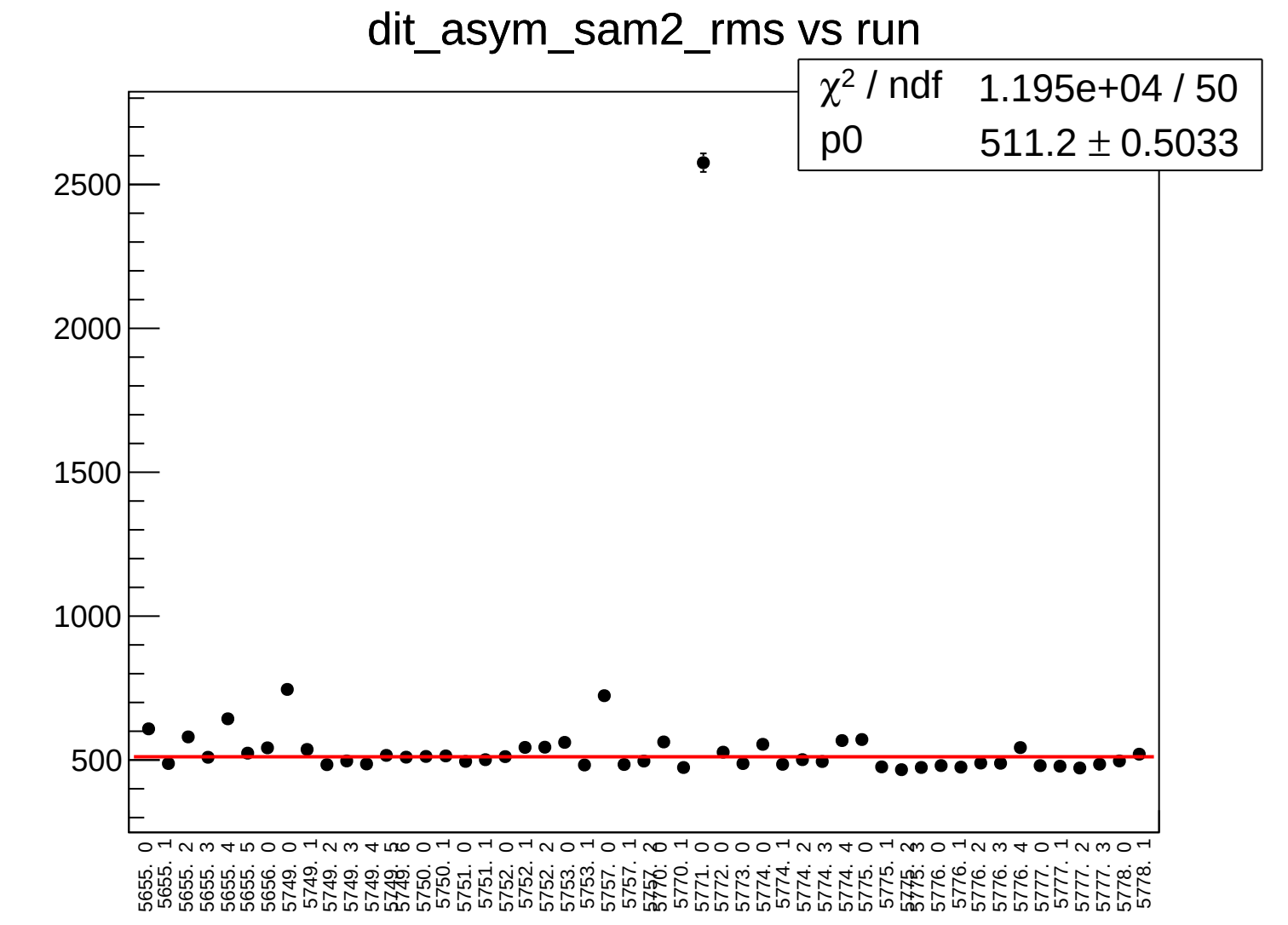

asym_sam1_mean vs run
χ^2 / ndf 55.73 / 50
p0 −486.6 ± 1211
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −2.309
Std Dev 17.68
2
1
0
−1
−2

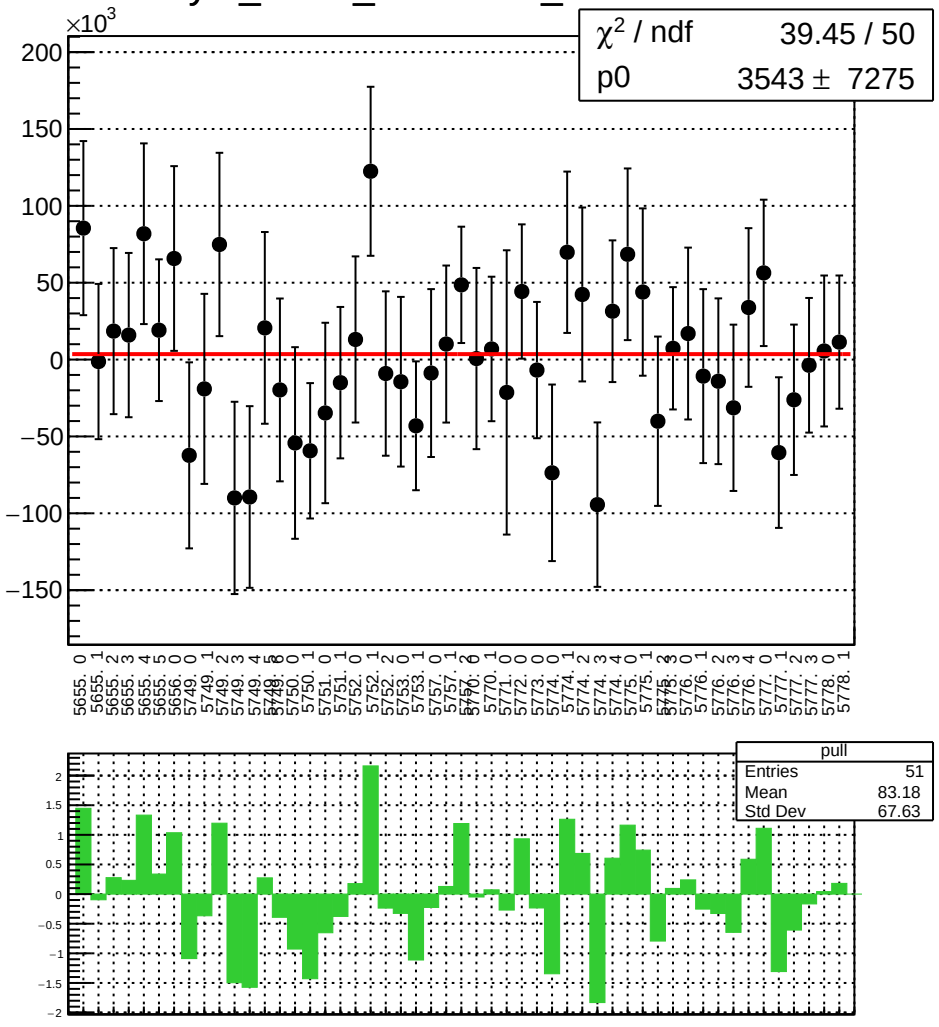

pull1D
Entries 51
Mean 0.03668
Std Dev 1.045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

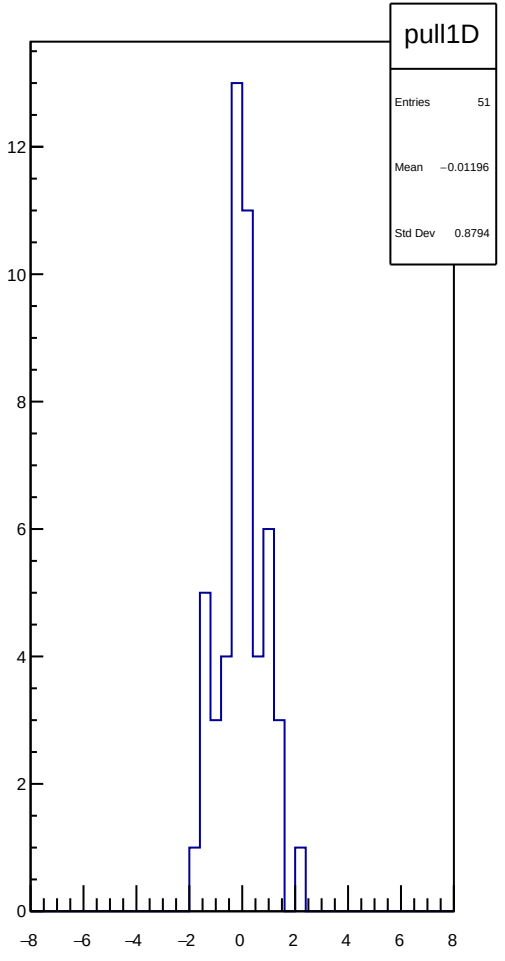

asym_sam1_rms vs run
χ² / ndf 4.601e+04 / 50
p0 855.3 ± 0.8563
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0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

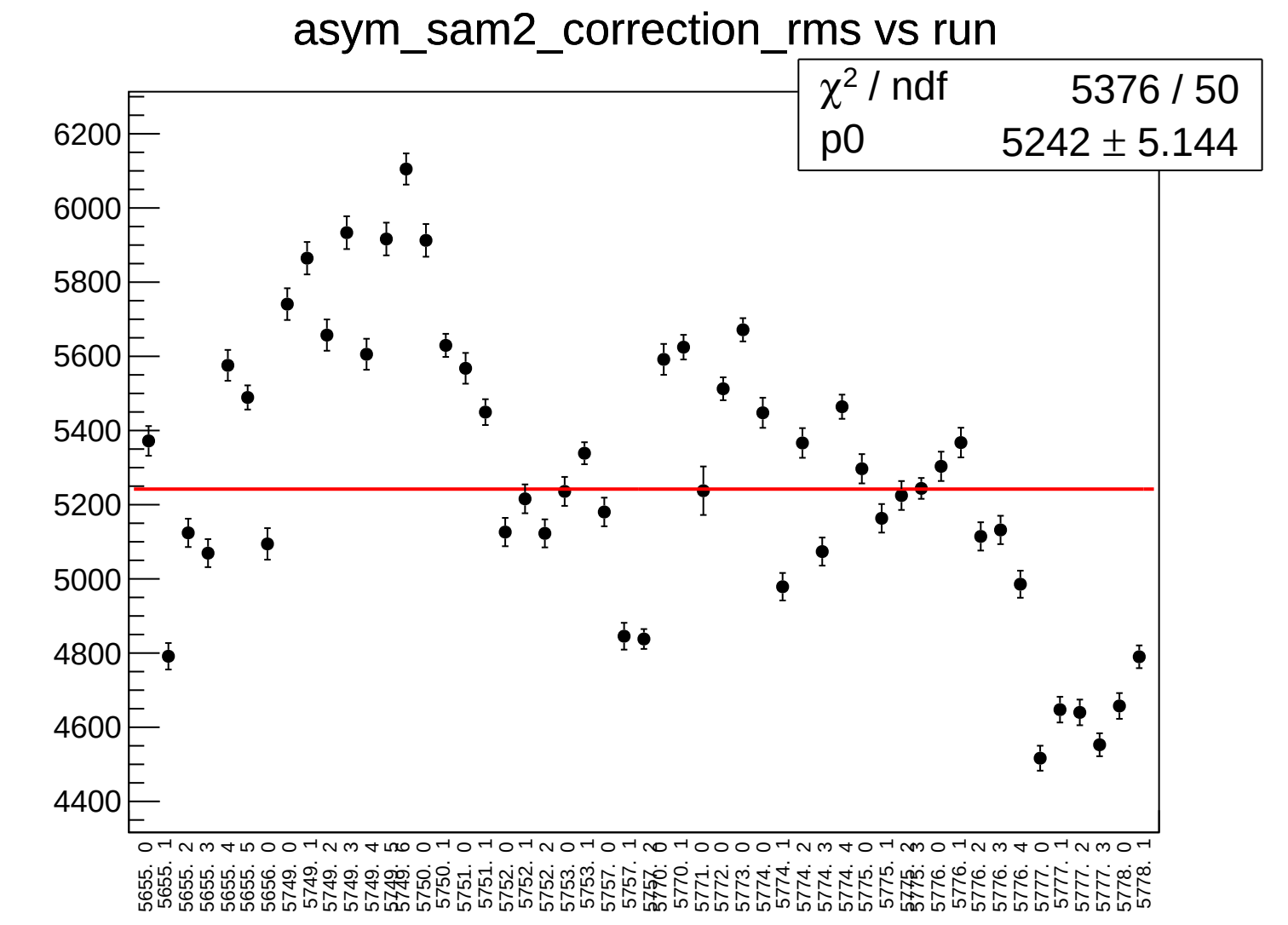

dit_asym_sam2_mean vs run
χ² / ndf 42.34 / 50
p0 1022 ± 711.7
80000
60000
40000
20000
0
−20000
pull
Entries 51
Mean −18.03
Std Dev 25.24
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

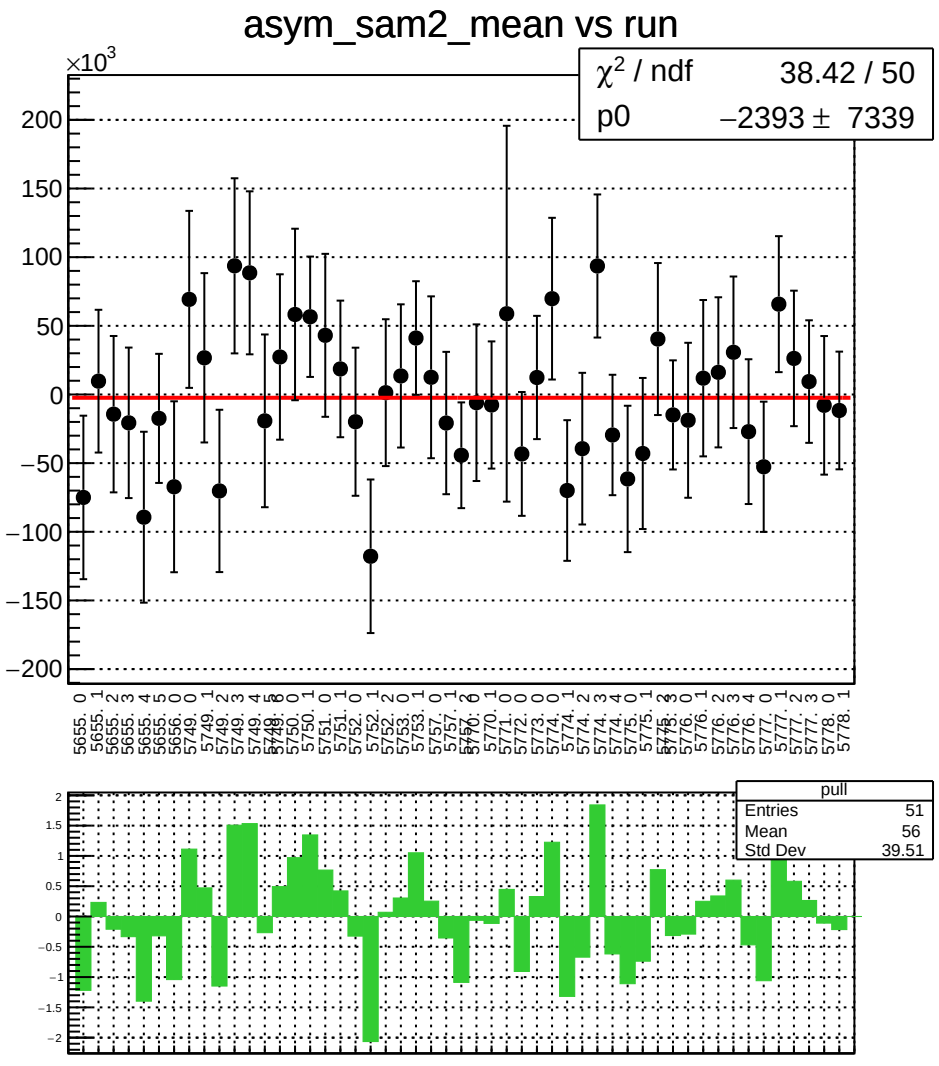

pull1D
Entries 51
Mean 0.03478
Std Dev 0.9104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

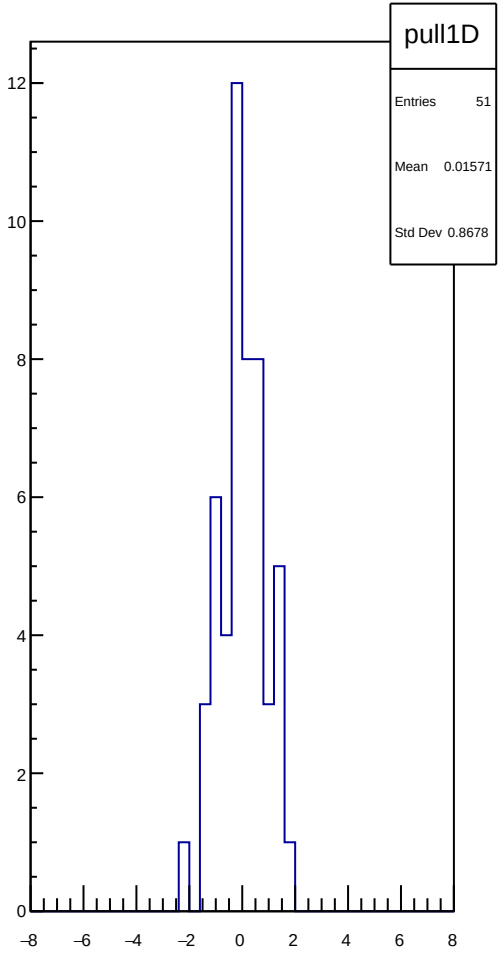

dit_asym_sam2_rms vs run
χ² / ndf 1.195e+04 / 50
p0 511.2 ± 0.5033
2500
2000
1500
1000
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 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

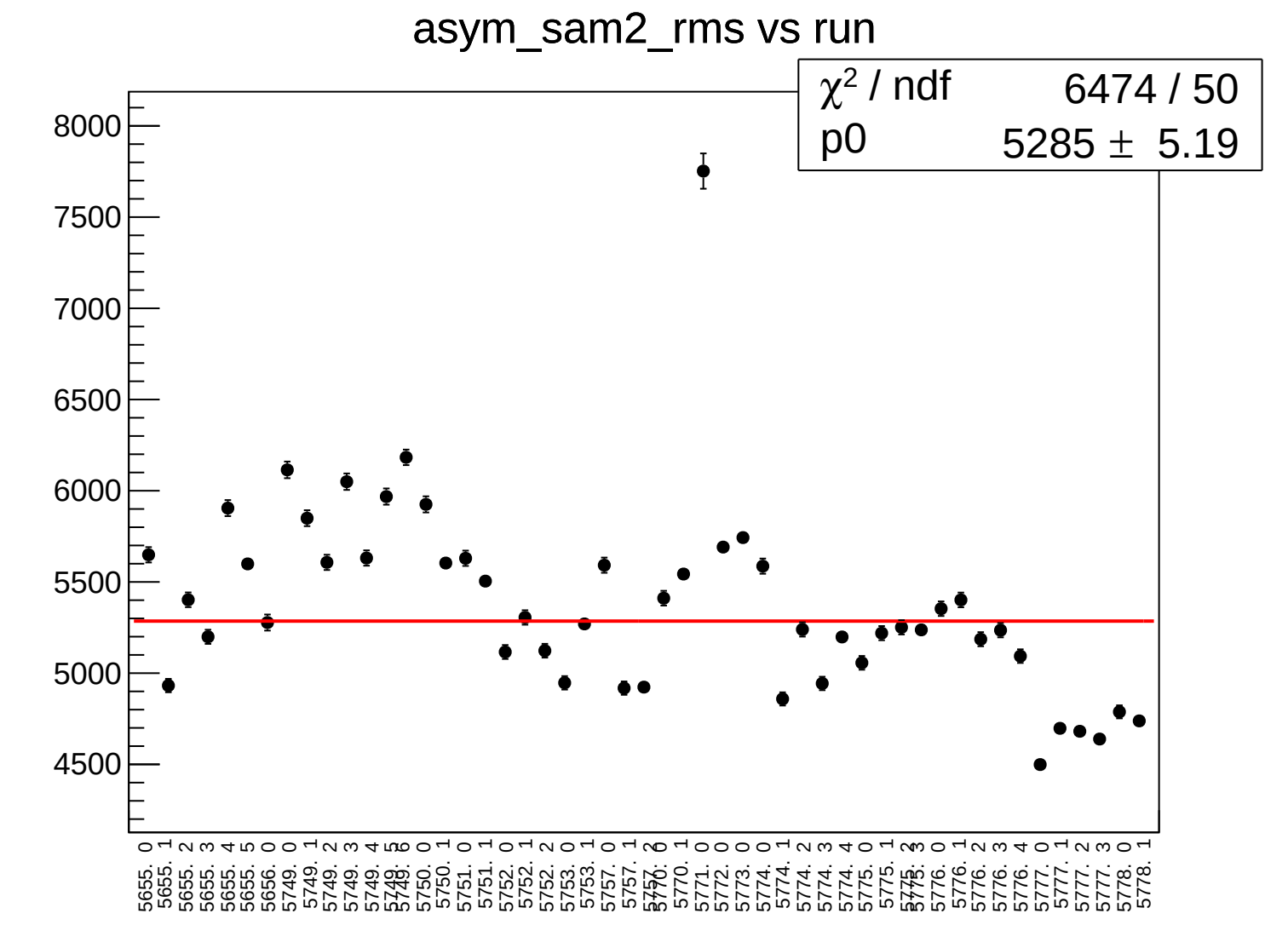

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 39.45 / 50
p0 3543 ± 7275
pull
Entries 51
Mean 83.18
Std Dev 67.63

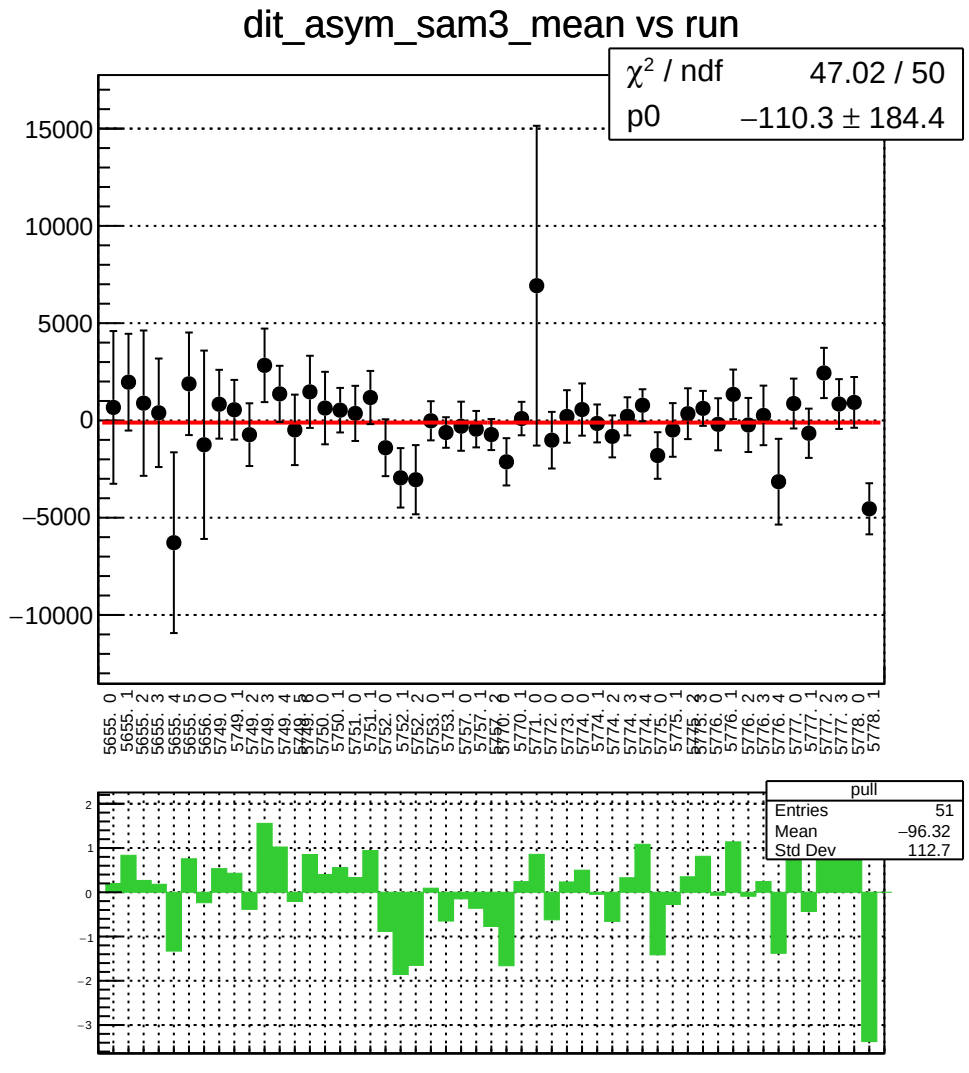

pull1D
Entries 51
Mean −0.01196
Std Dev 0.8794

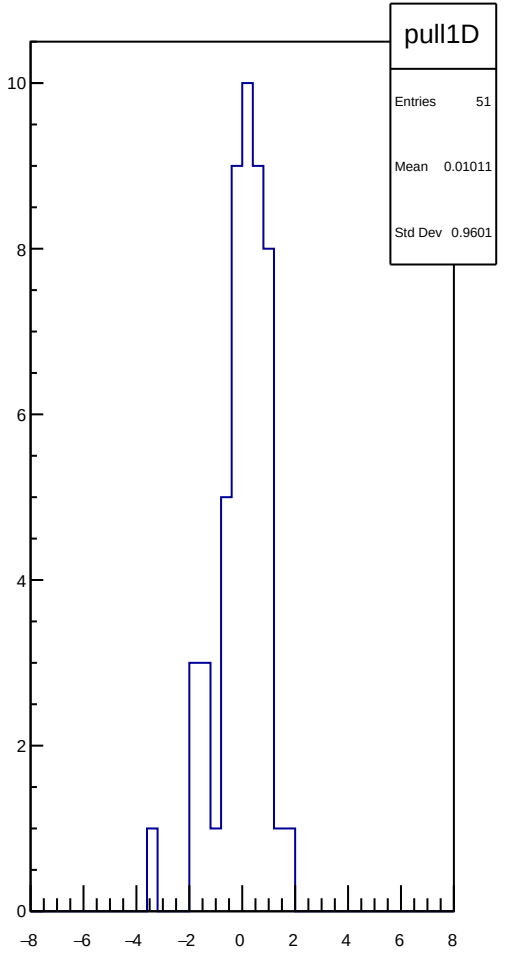

asym_sam2_correction_rms vs run
χ² / ndf 5376 / 50
p0 5242 ± 5.144
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

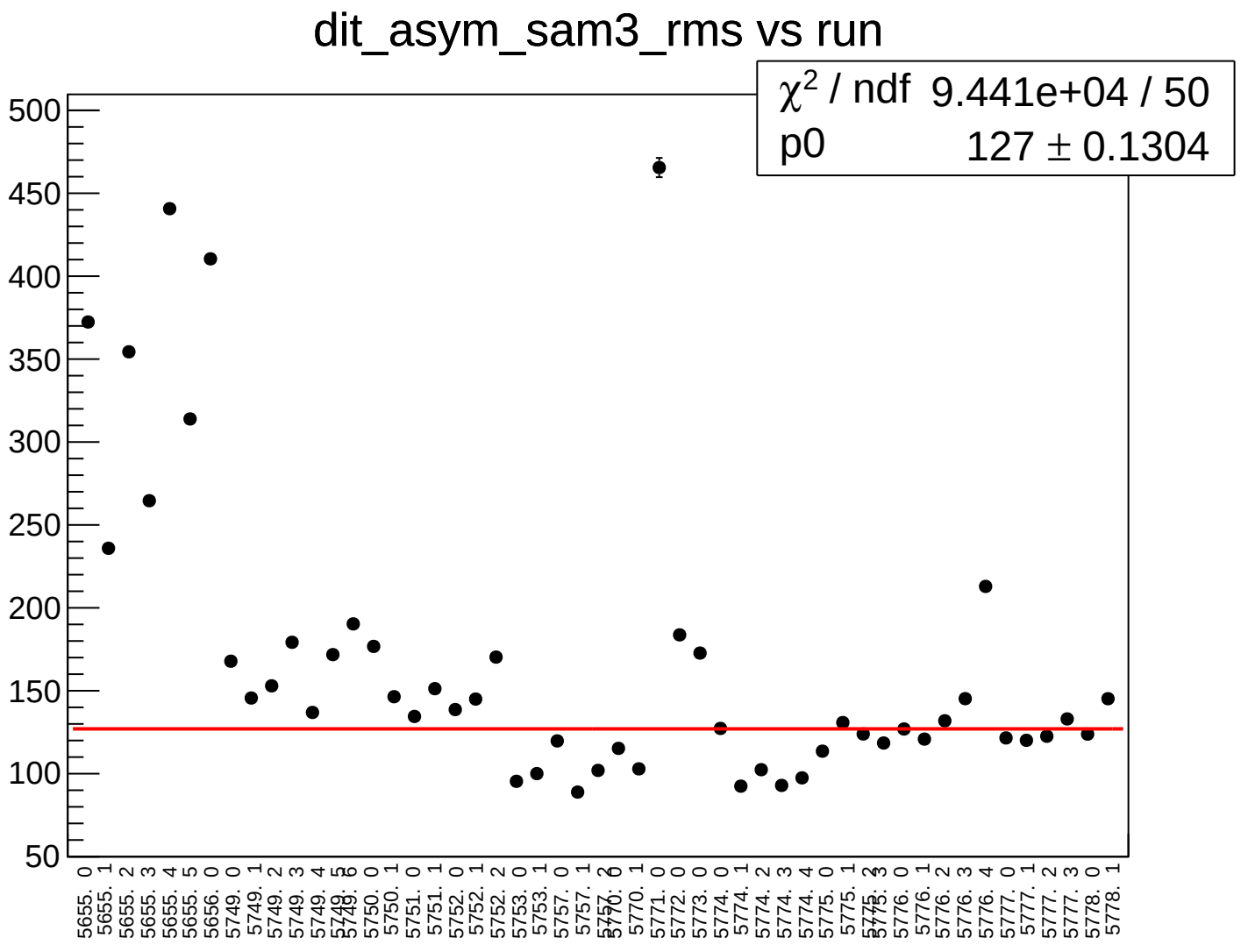

asym_sam2_mean vs run
×10^3
χ² / ndf 38.42 / 50
p0 −2393 ± 7339
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 56
Std Dev 39.51
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

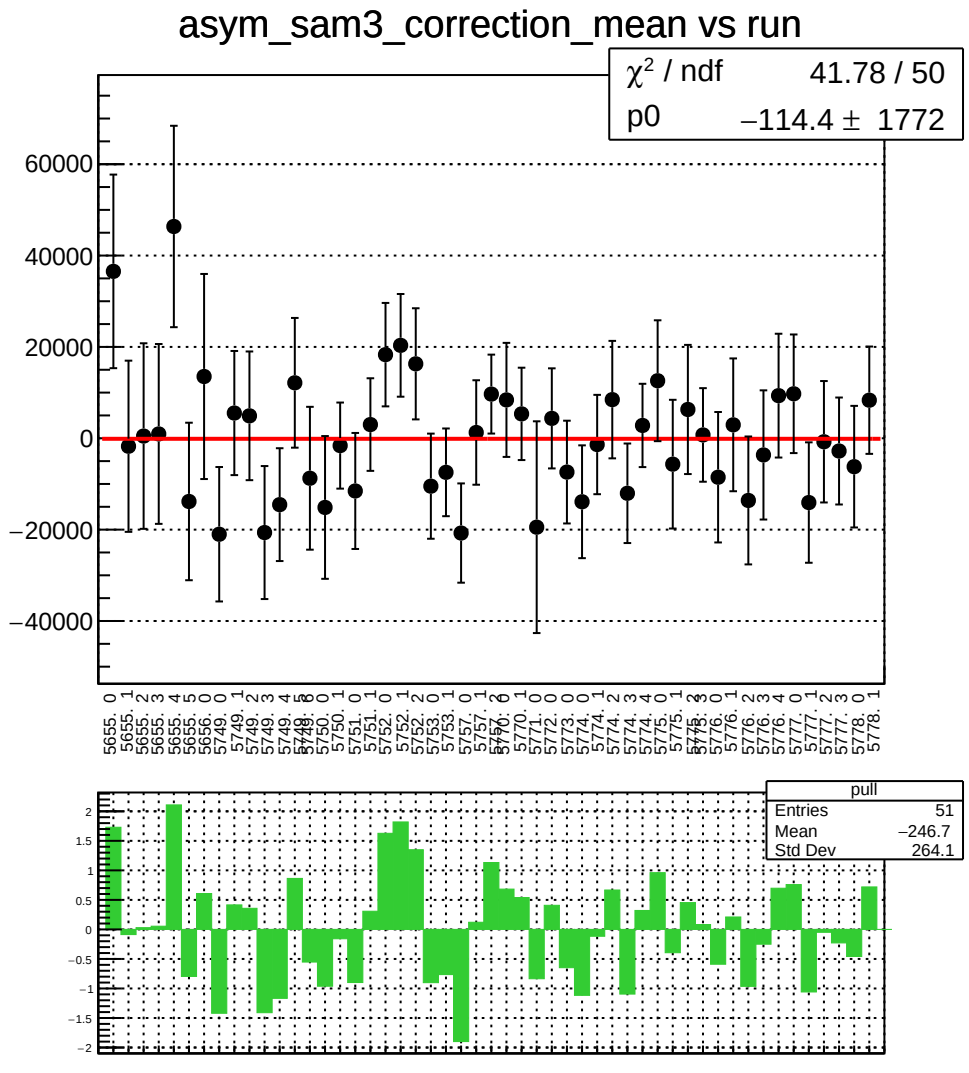

pull1D
Entries 51
Mean 0.01571
Std Dev 0.8678
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

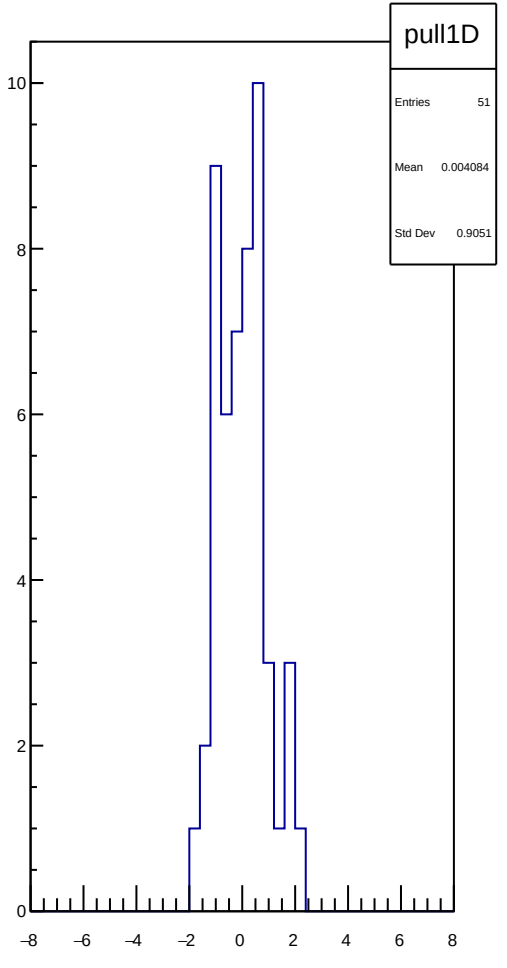

asym_sam2_rms vs run
χ² / ndf 6474 / 50
p0 5285 ± 5.19
8000
7500
7000
6500
6000
5500
5000
4500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770.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

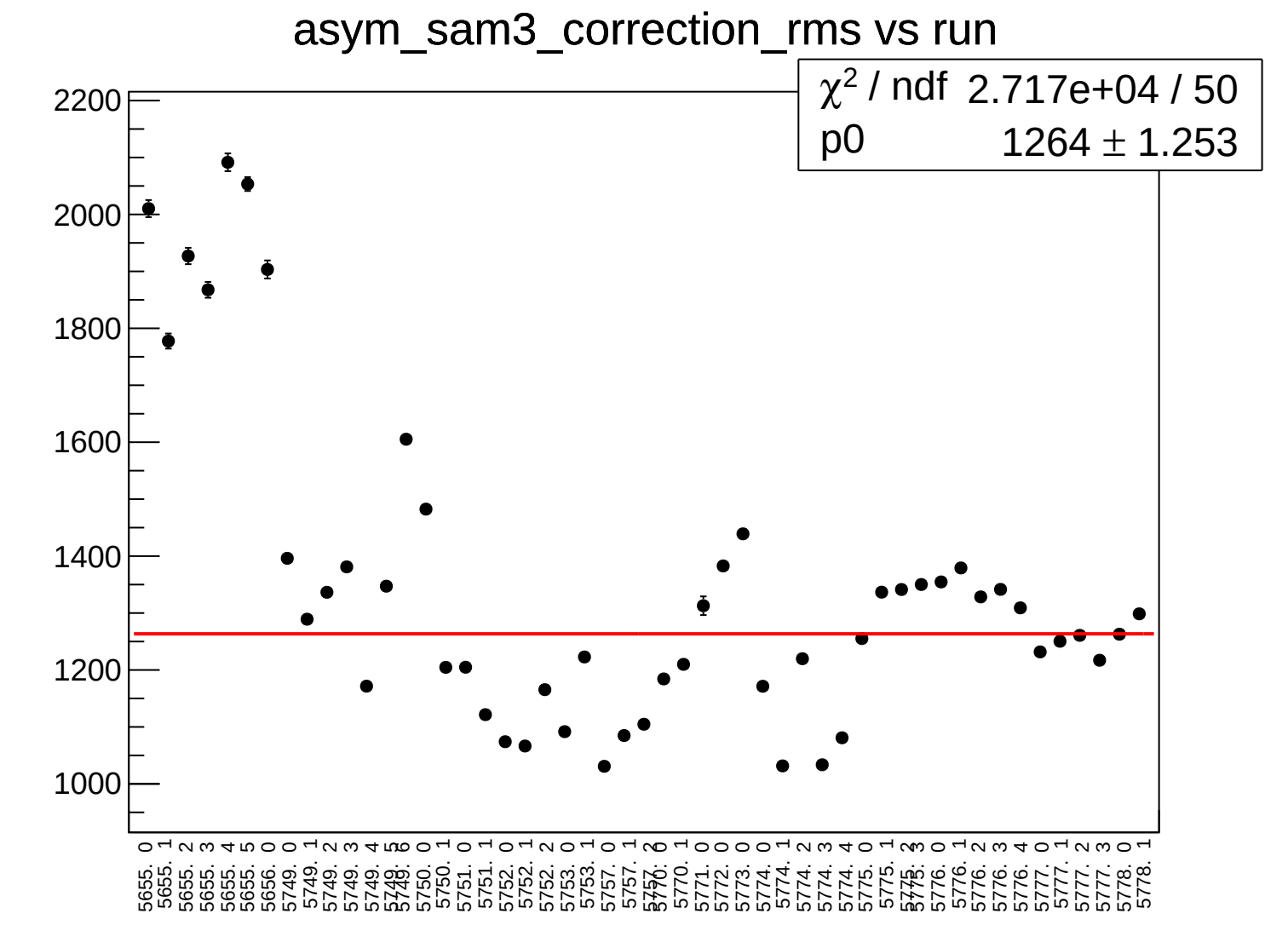

dit_asym_sam3_mean vs run
χ² / ndf 47.02 / 50
p0 −110.3 ± 184.4
15000
10000
5000
0
−5000
−10000
pull
Entries 51
Mean −96.32
Std Dev 112.7
2
1
0
−1
−2
−3

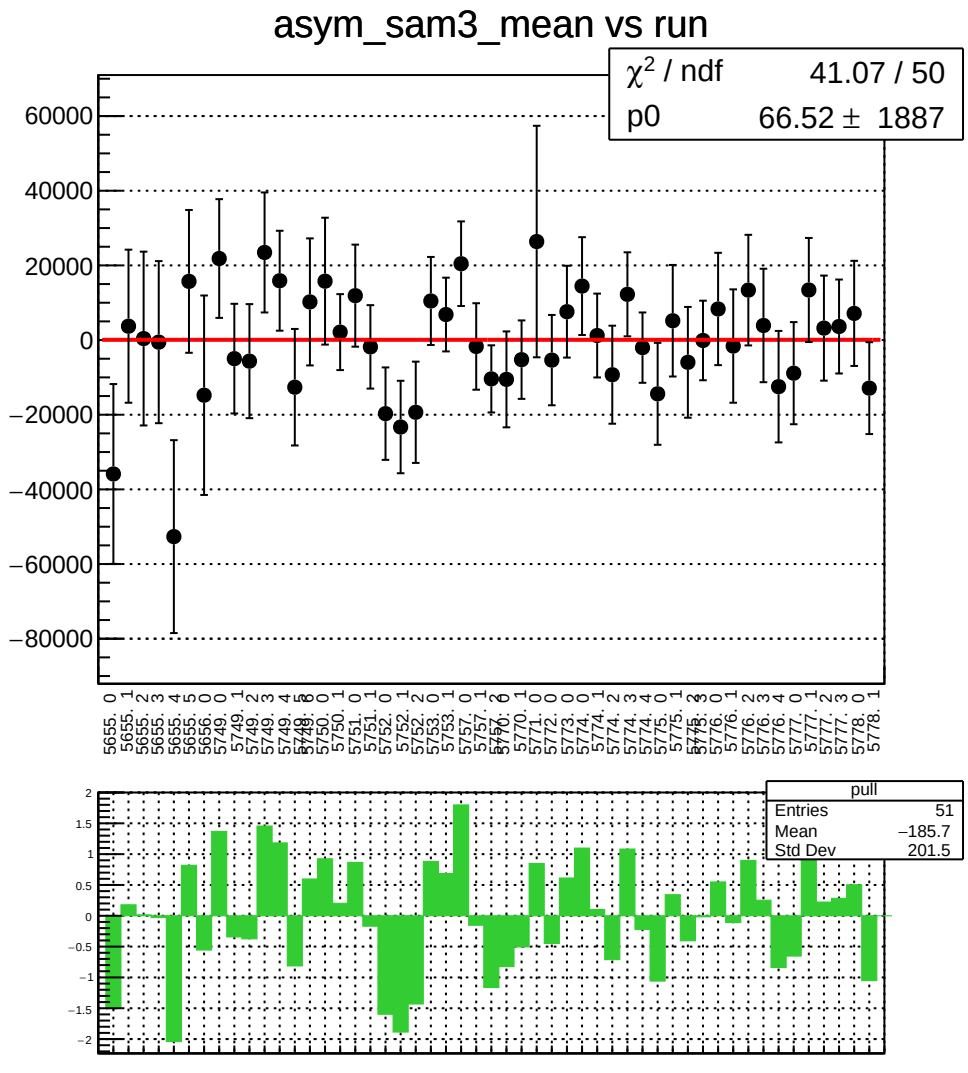

pull1D
Entries 51
Mean 0.01011
Std Dev 0.9601
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

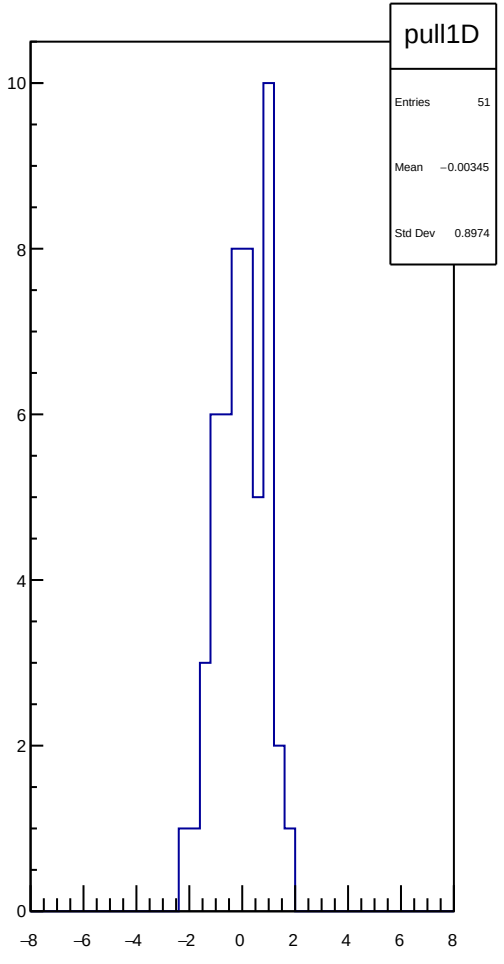

dit_asym_sam3_rms vs run
χ² / ndf 9.441e+04 / 50
p0 127 ± 0.1304
500
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

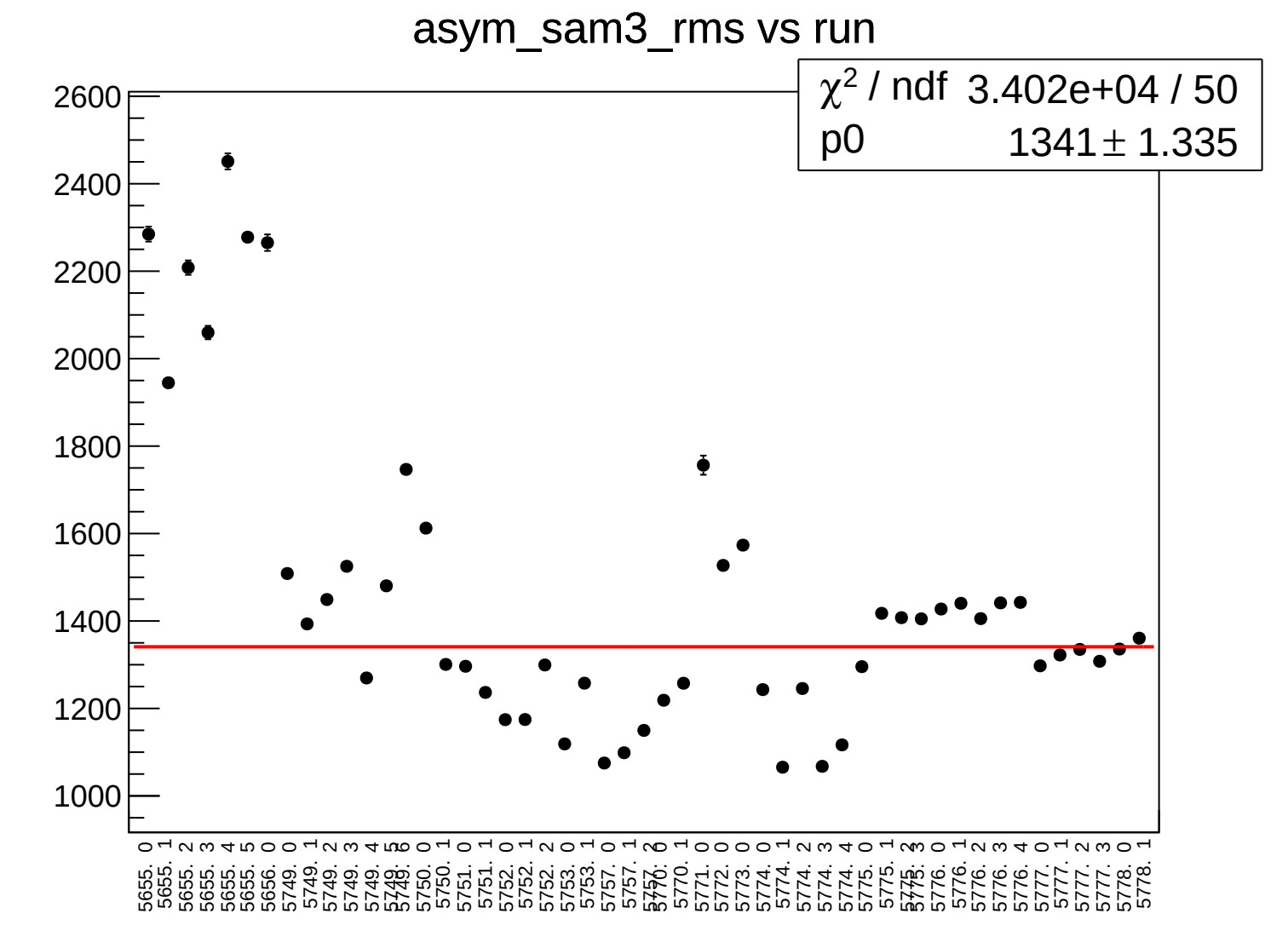

asym_sam3_correction_mean vs run
χ² / ndf 41.78 / 50
p0 −114.4 ± 1772
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −246.7
Std Dev 264.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

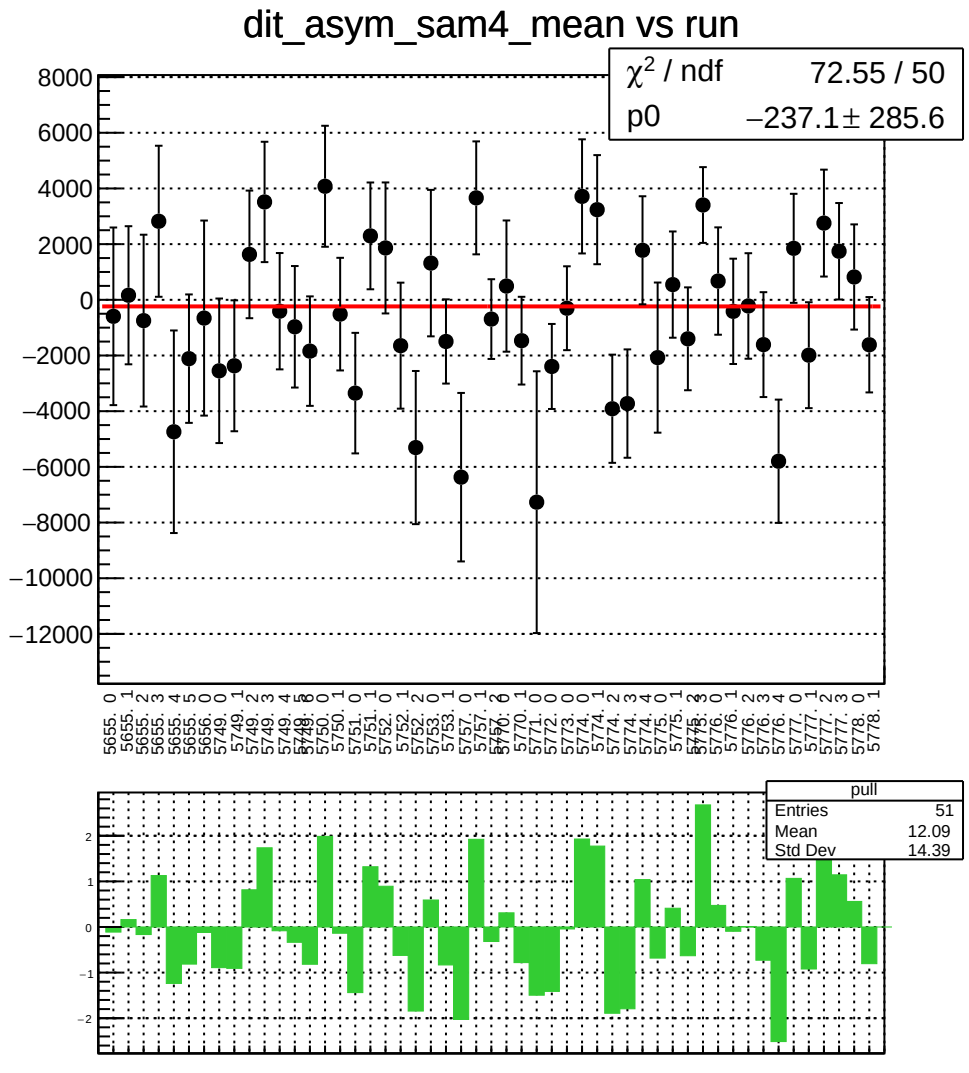

pull1D
Entries 51
Mean 0.004084
Std Dev 0.9051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

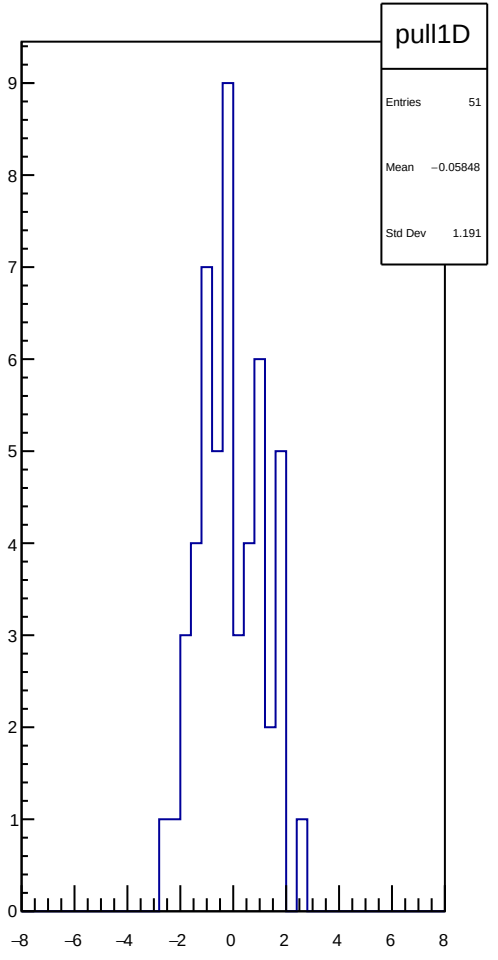

asym_sam3_correction_rms vs run
χ² / ndf 2.717e+04 / 50
p0 1264 ± 1.253
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

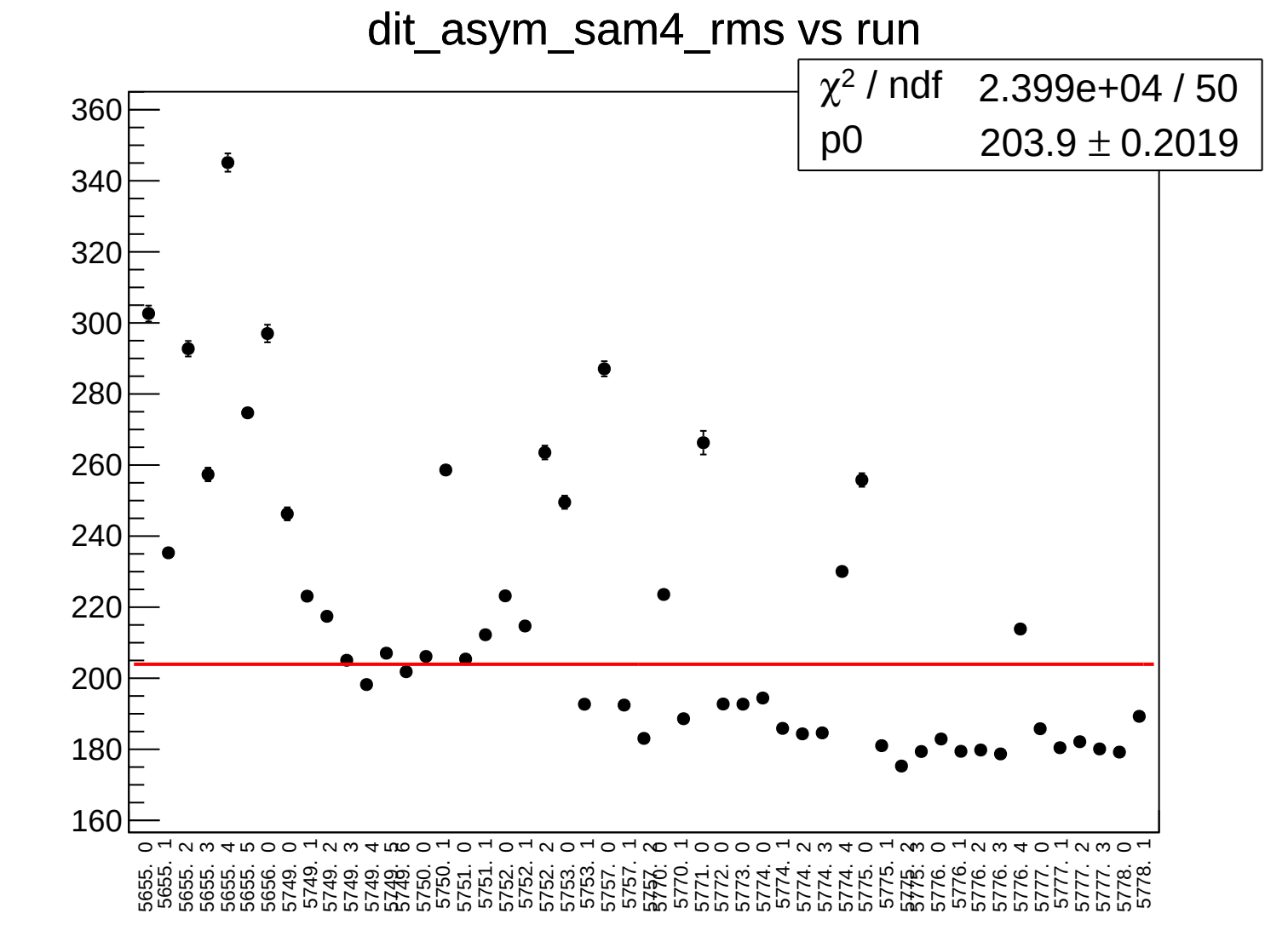

asym_sam3_mean vs run
χ² / ndf 41.07 / 50
p0 66.52 ± 1887
pull
Entries 51
Mean −185.7
Std Dev 201.5

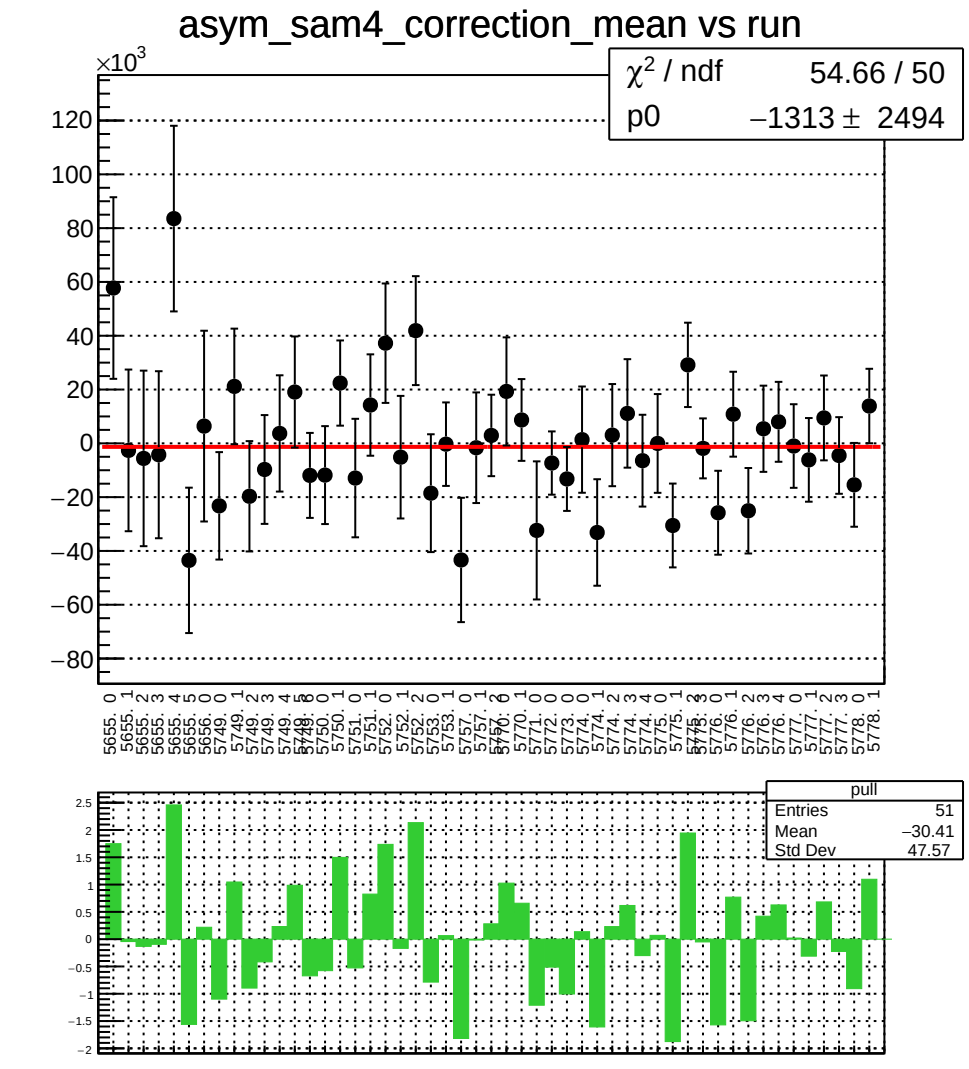

pull1D
Entries 51
Mean −0.00345
Std Dev 0.8974

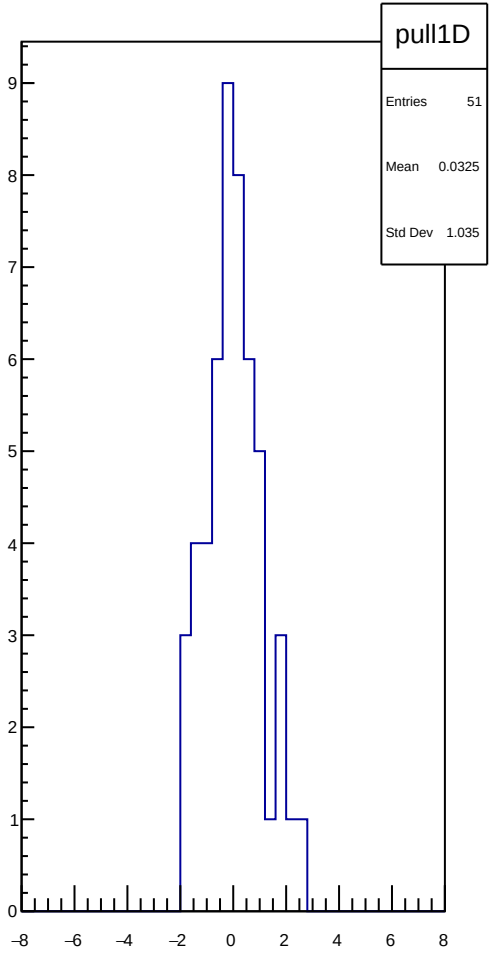

asym_sam3_rms vs run
χ² / ndf 3.402e+04 / 50
p0 1341 ± 1.335
2600
2400
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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 72.55 / 50
p0 −237.1± 285.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 51
Mean 12.09
Std Dev 14.39

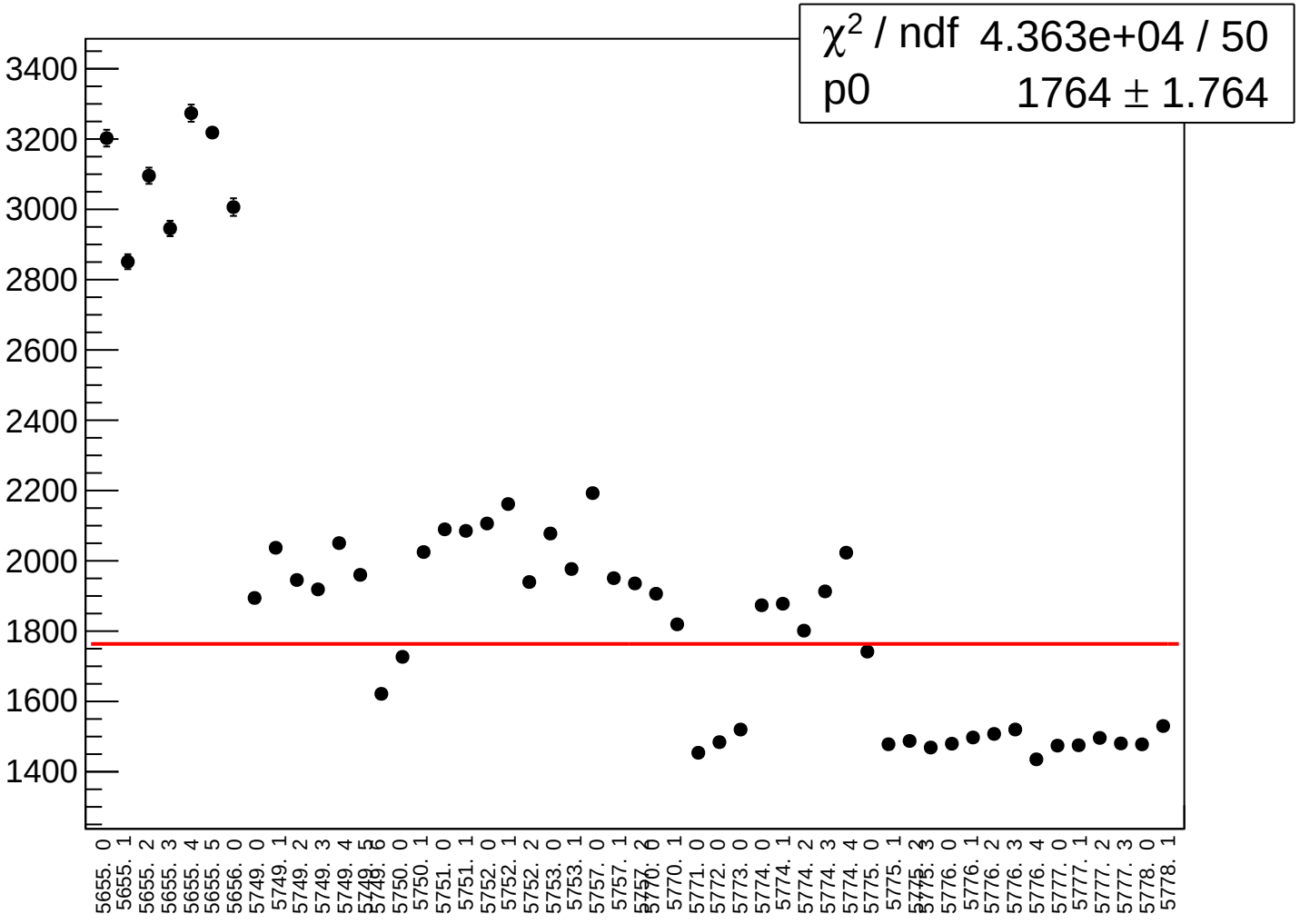

pull1D
Entries 51
Mean −0.05848
Std Dev 1.191

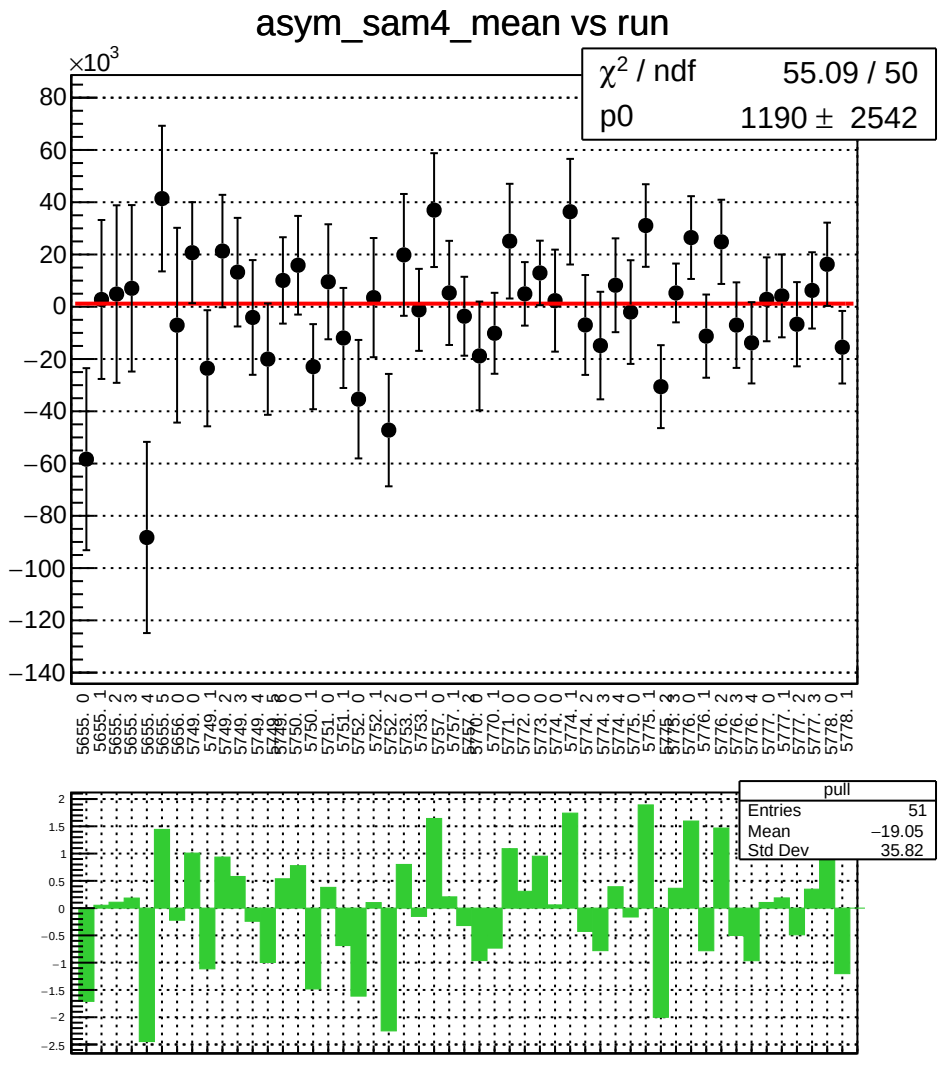

dit_asym_sam4_rms vs run
χ² / ndf 2.399e+04 / 50
p0 203.9 ± 0.2019
360
340
320
300
280
260
240
220
200
180
160
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 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

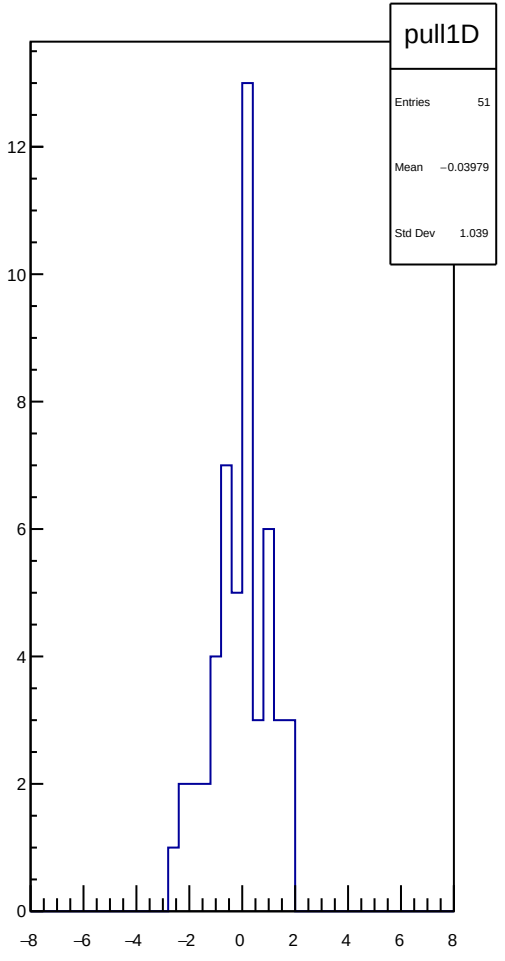

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 54.66 / 50
p0 −1313 ± 2494
pull
Entries 51
Mean −30.41
Std Dev 47.57

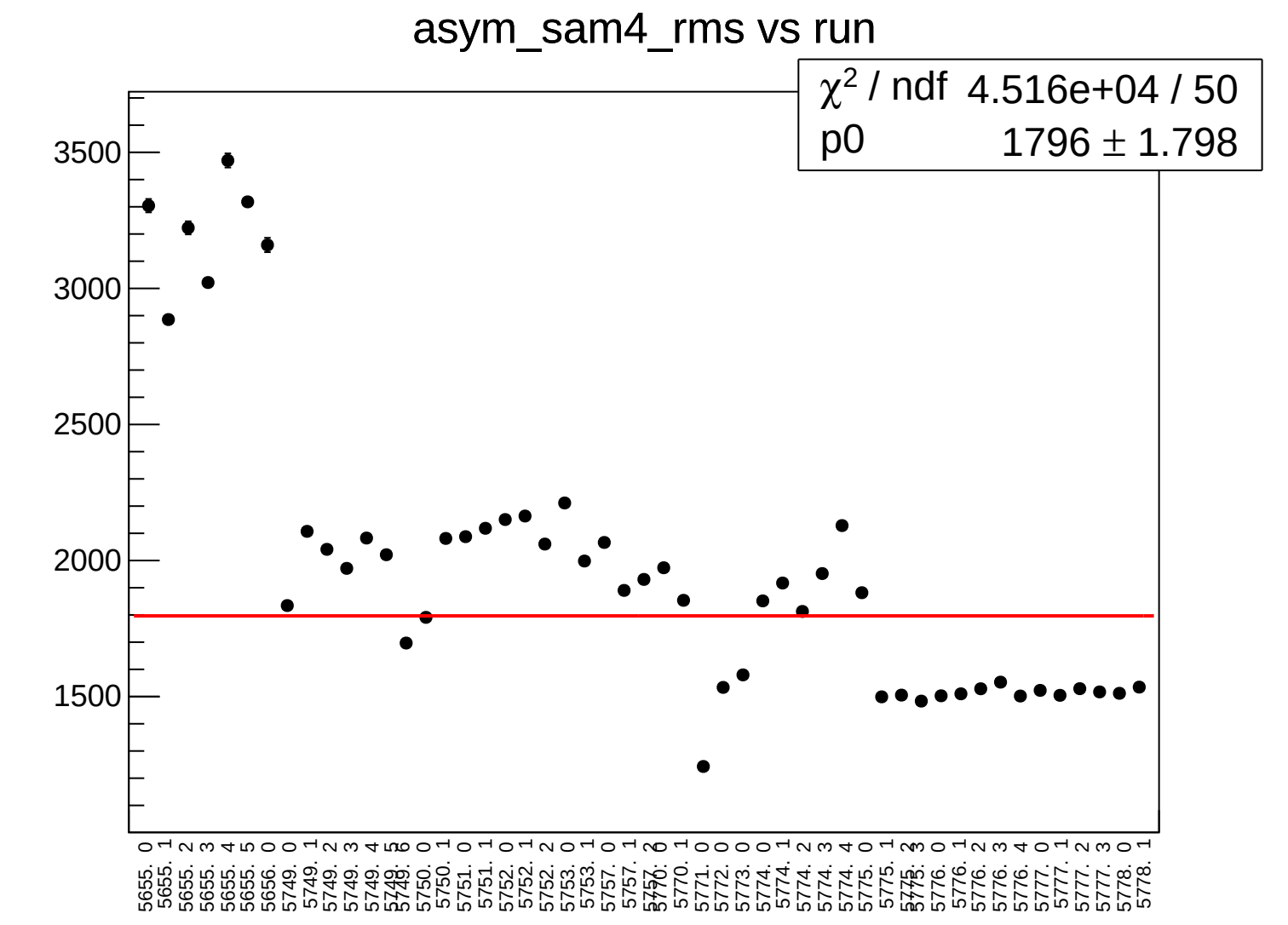

pull1D
Entries 51
Mean 0.0325
Std Dev 1.035

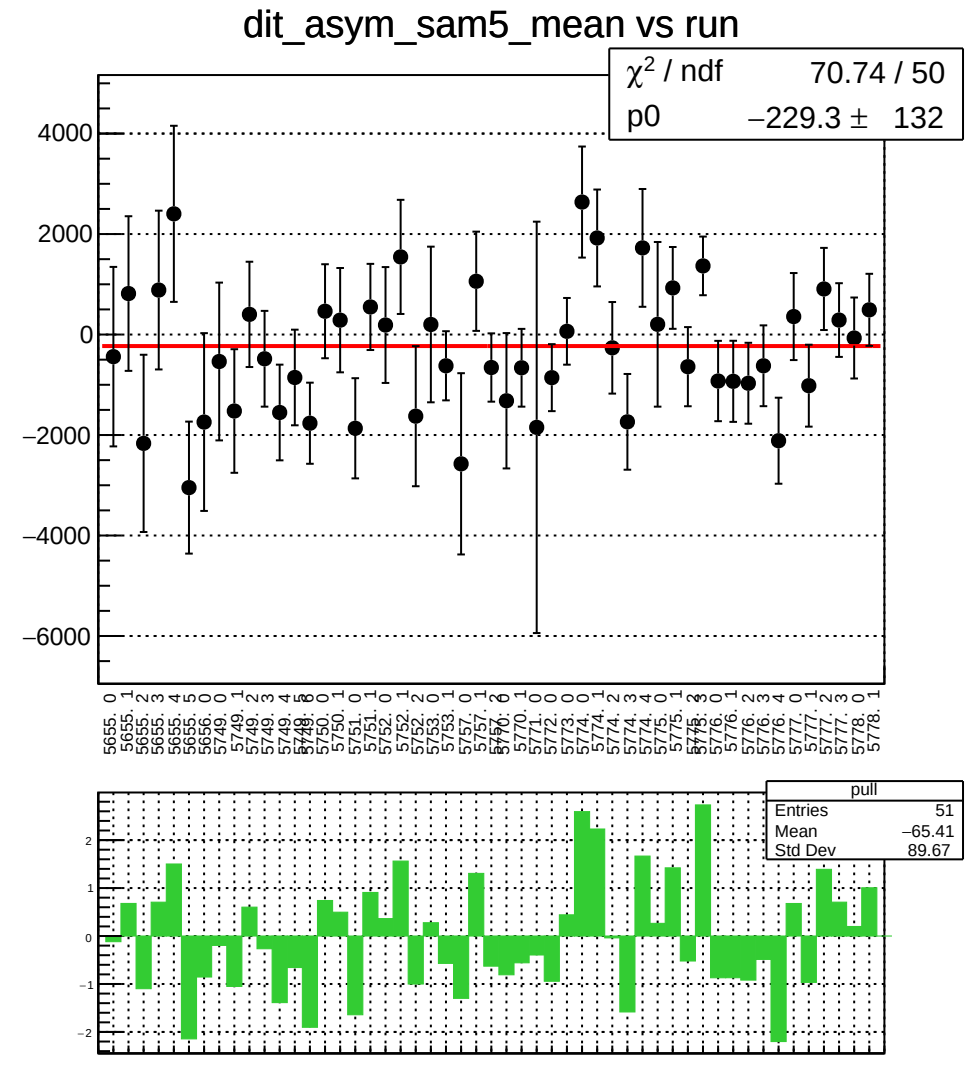
asym_sam4_correction_rms vs run

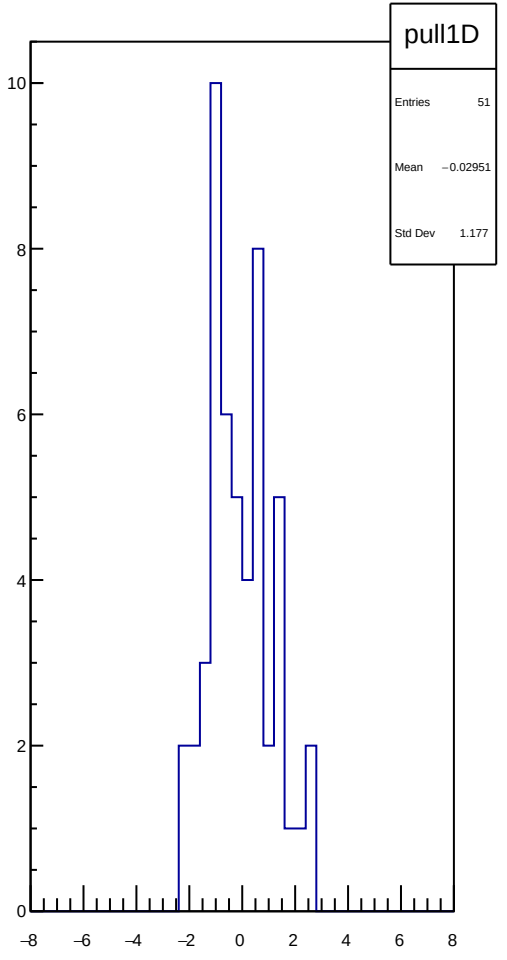


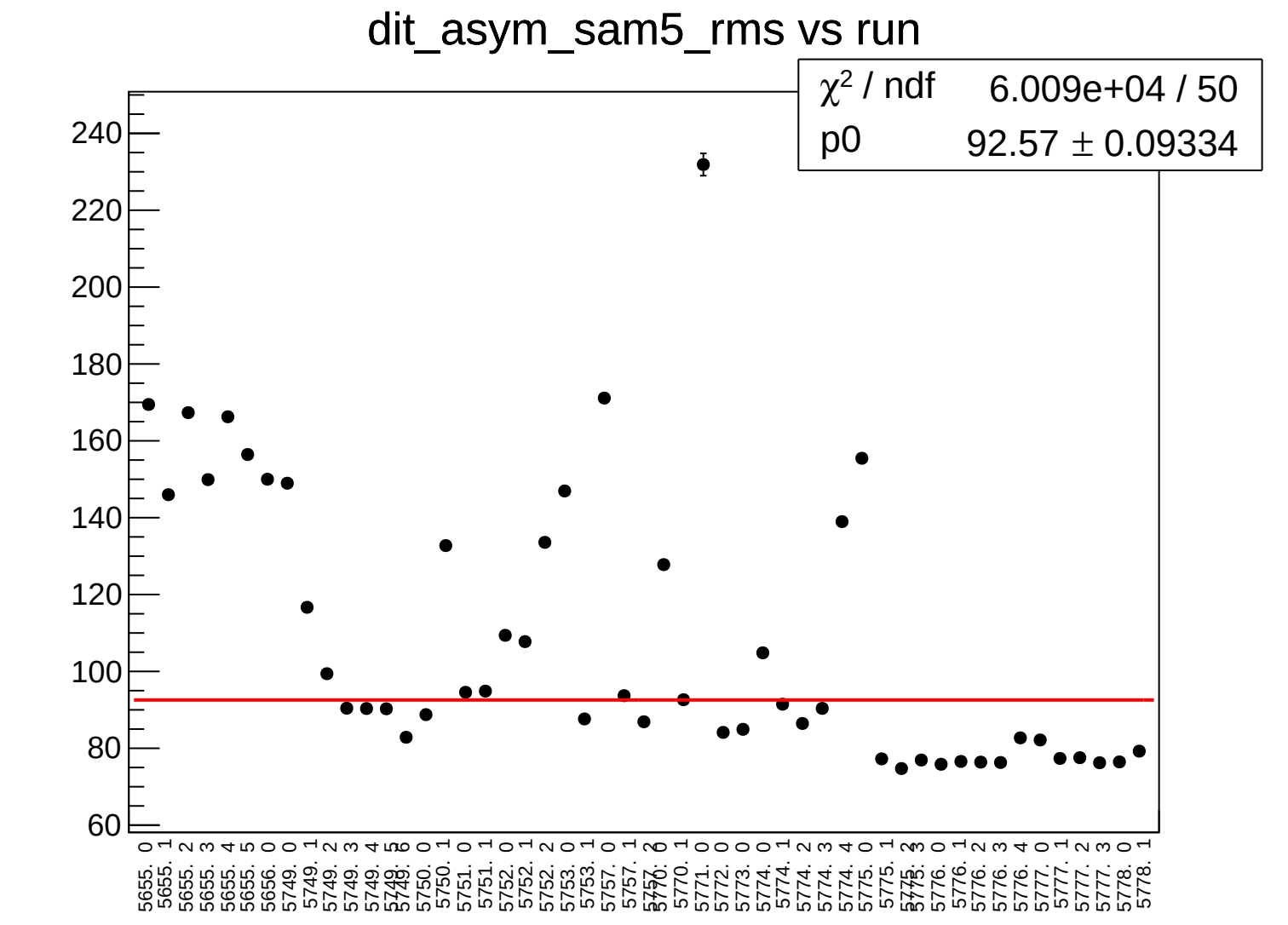

asym_sam4_mean vs run
×10^3
χ² / ndf 55.09 / 50
p0 1190 ± 2542
pull
Entries 51
Mean −19.05
Std Dev 35.82

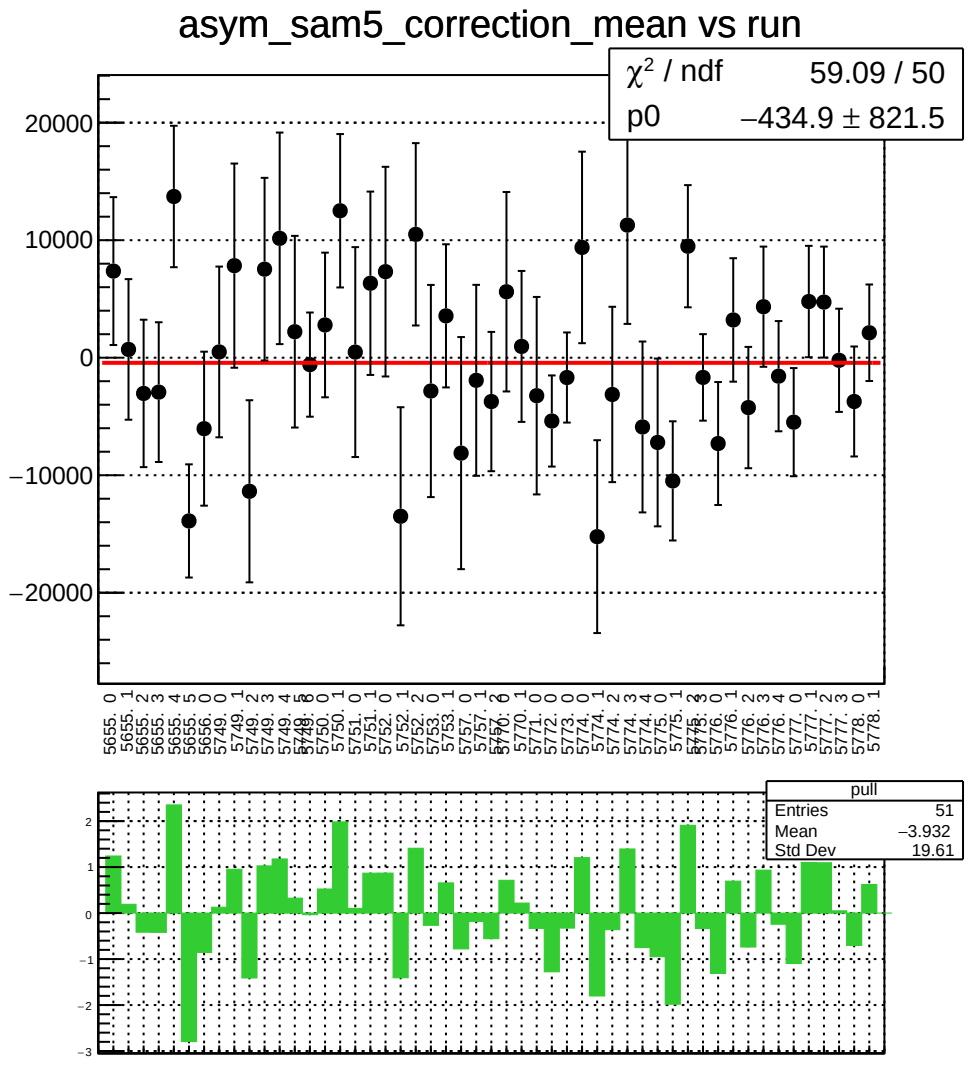

pull1D
Entries 51
Mean −0.03979
Std Dev 1.039

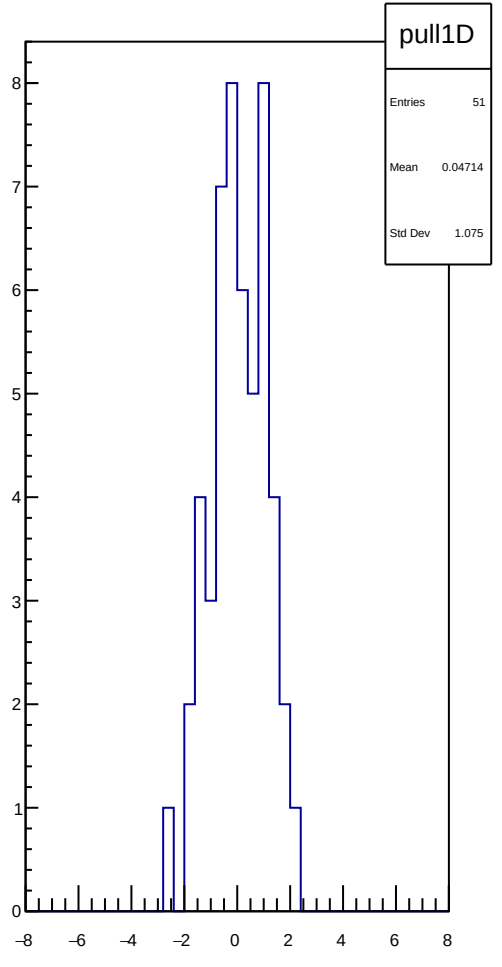

asym_sam4_rms vs run
χ² / ndf 4.516e+04 / 50
p0 1796 ± 1.798
3500
3000
2500
2000
1500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3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

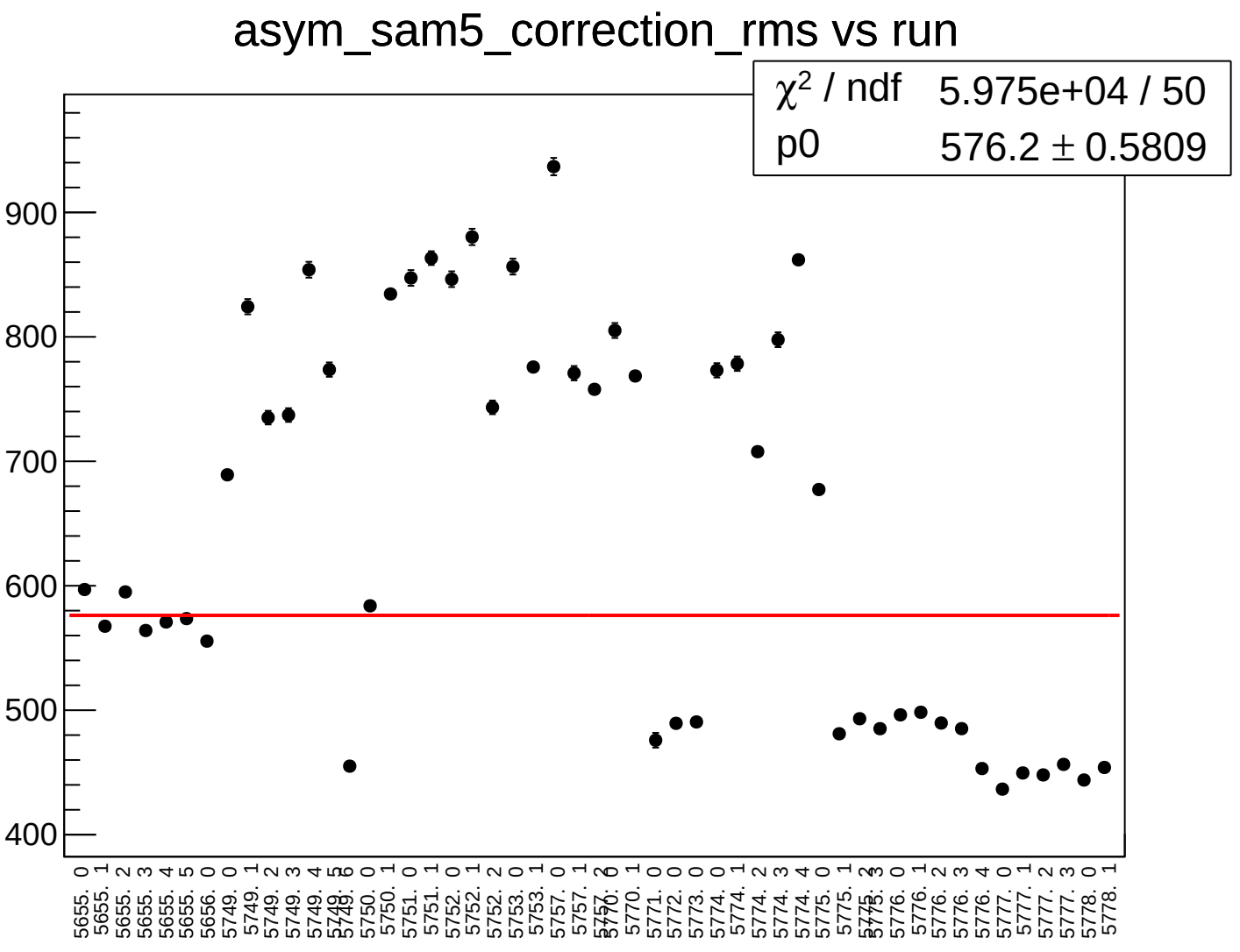

dit_asym_sam5_mean vs run
χ² / ndf 70.74 / 50
p0 −229.3 ± 132
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −65.41
Std Dev 89.67
2
1
0
−1
−2

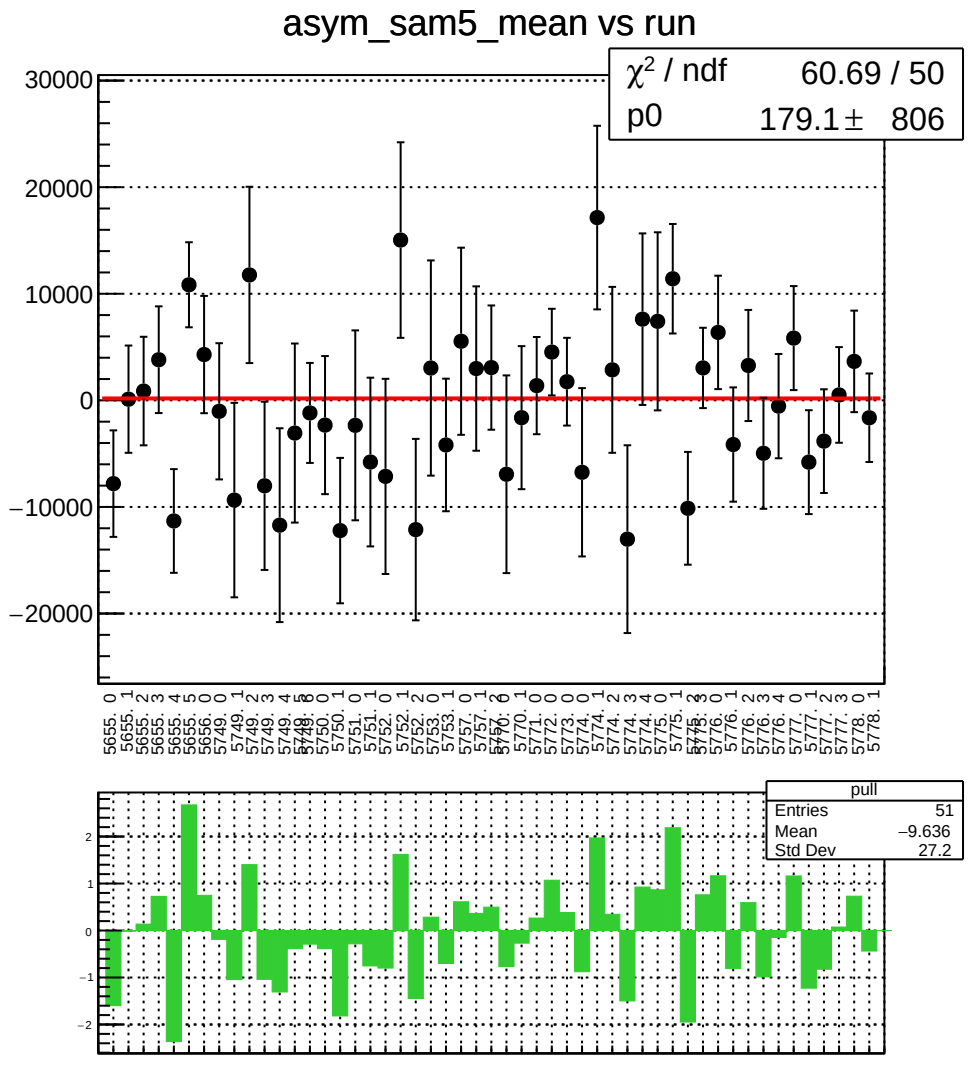

pull1D
Entries 51
Mean −0.02951
Std Dev 1.177
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

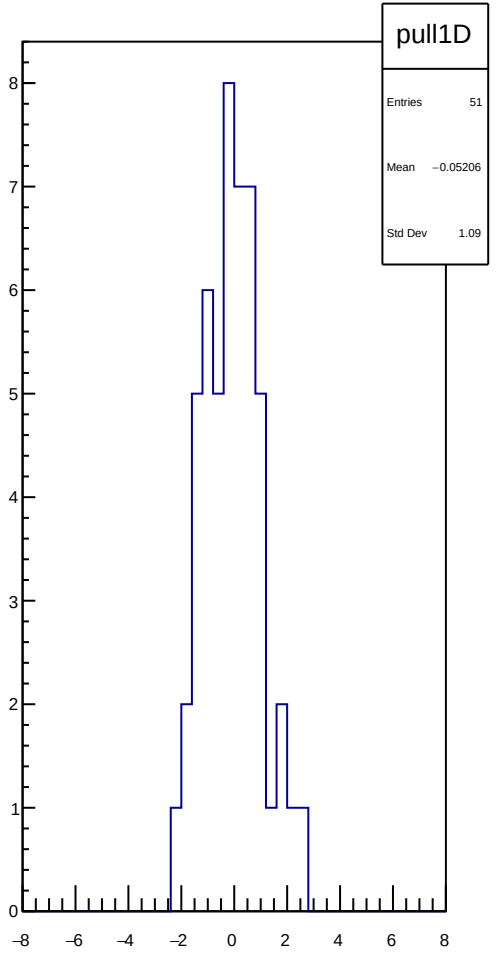

dit_asym_sam5_rms vs run
χ² / ndf 6.009e+04 / 50
p0 92.57 ± 0.09334
240
220
200
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

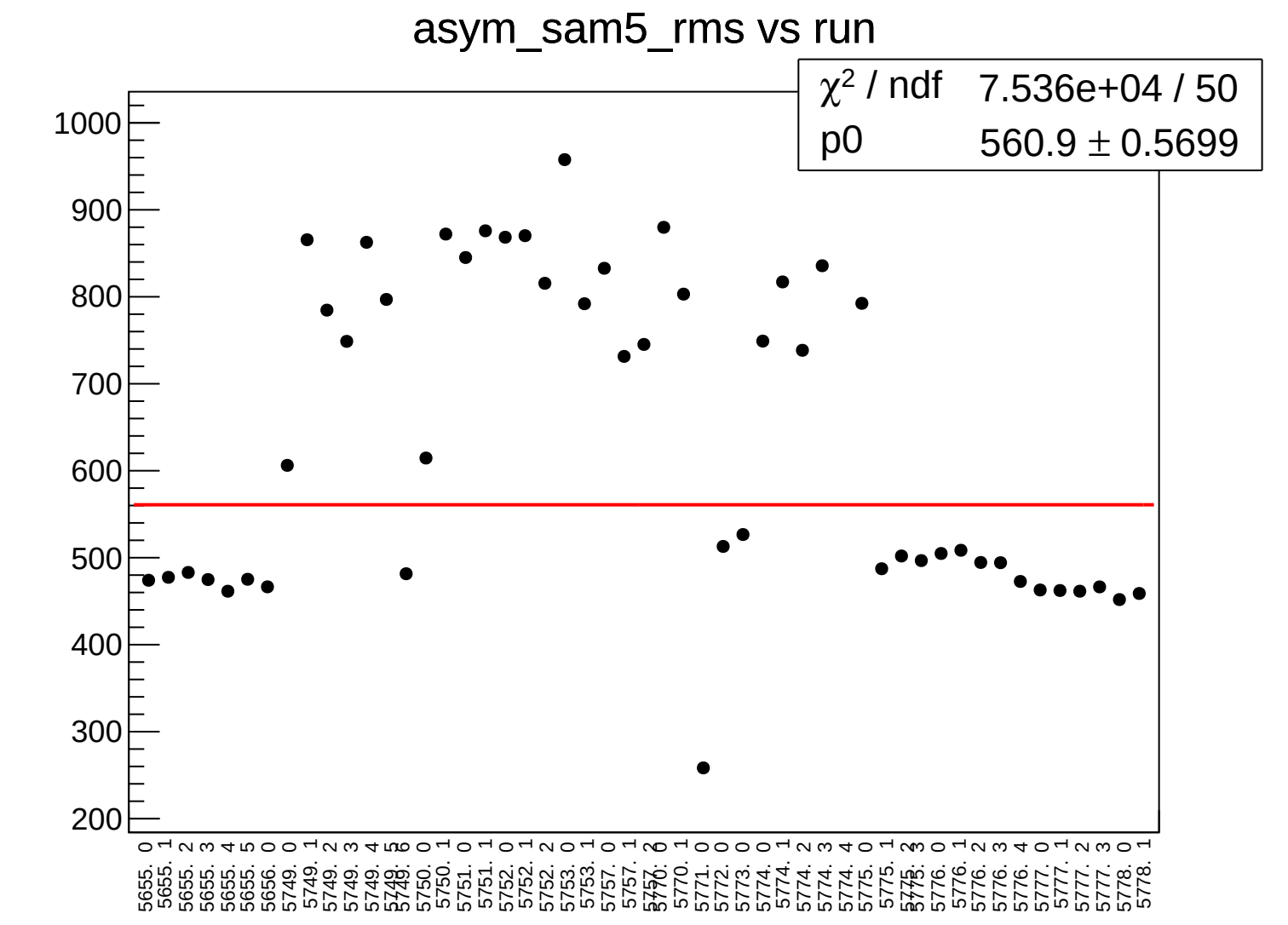

asym_sam5_correction_mean vs run
χ² / ndf 59.09 / 50
p0 −434.9 ± 821.5
20000
10000
0
−10000
−20000
pull
Entries 51
Mean −3.932
Std Dev 19.61
2
1
0
−1
−2
−3

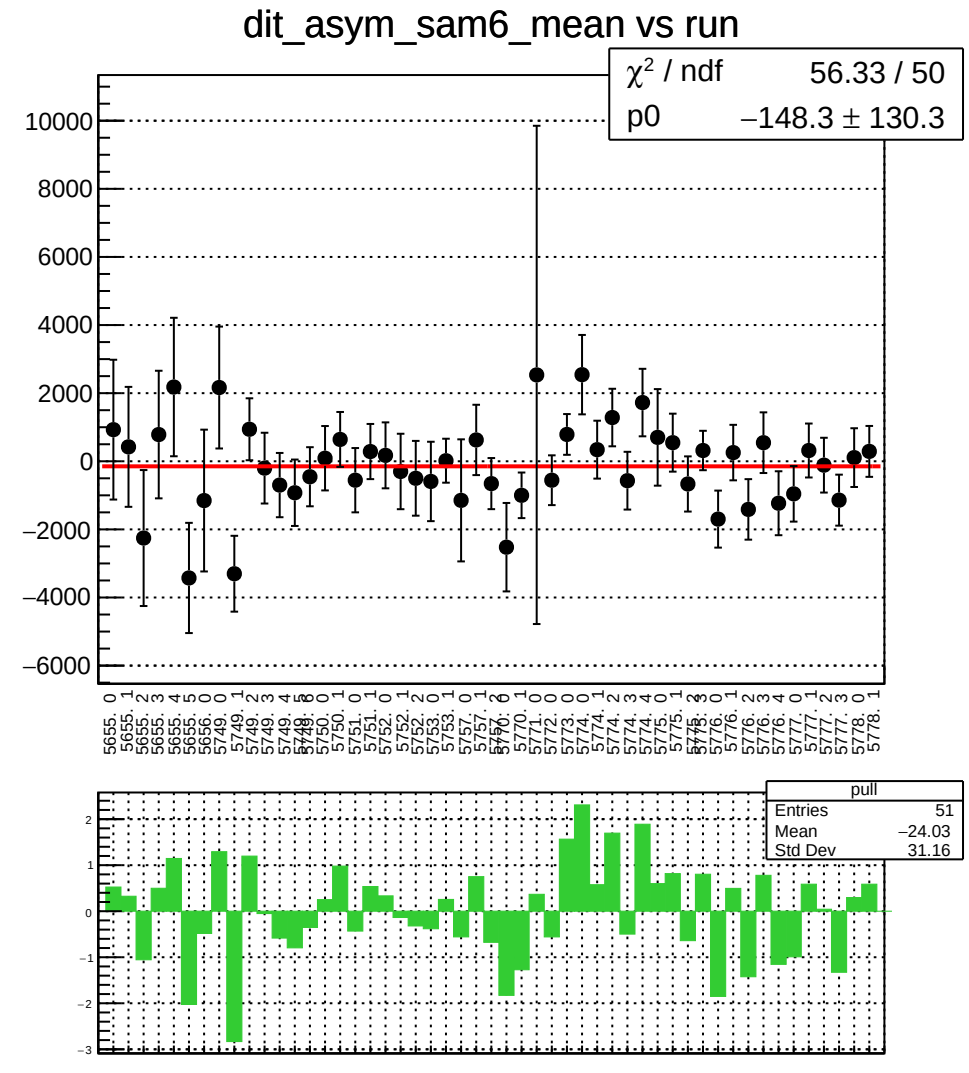

pull1D
Entries 51
Mean 0.04714
Std Dev 1.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

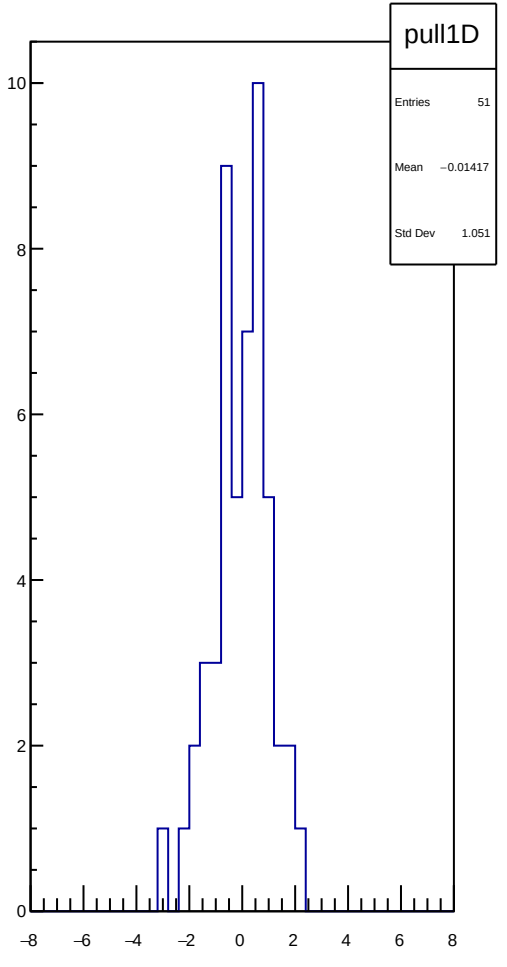

asym_sam5_correction_rms vs run
χ^2 / ndf 5.975e+04 / 50
p0 576.2 ± 0.5809
900
800
700
600
500
400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

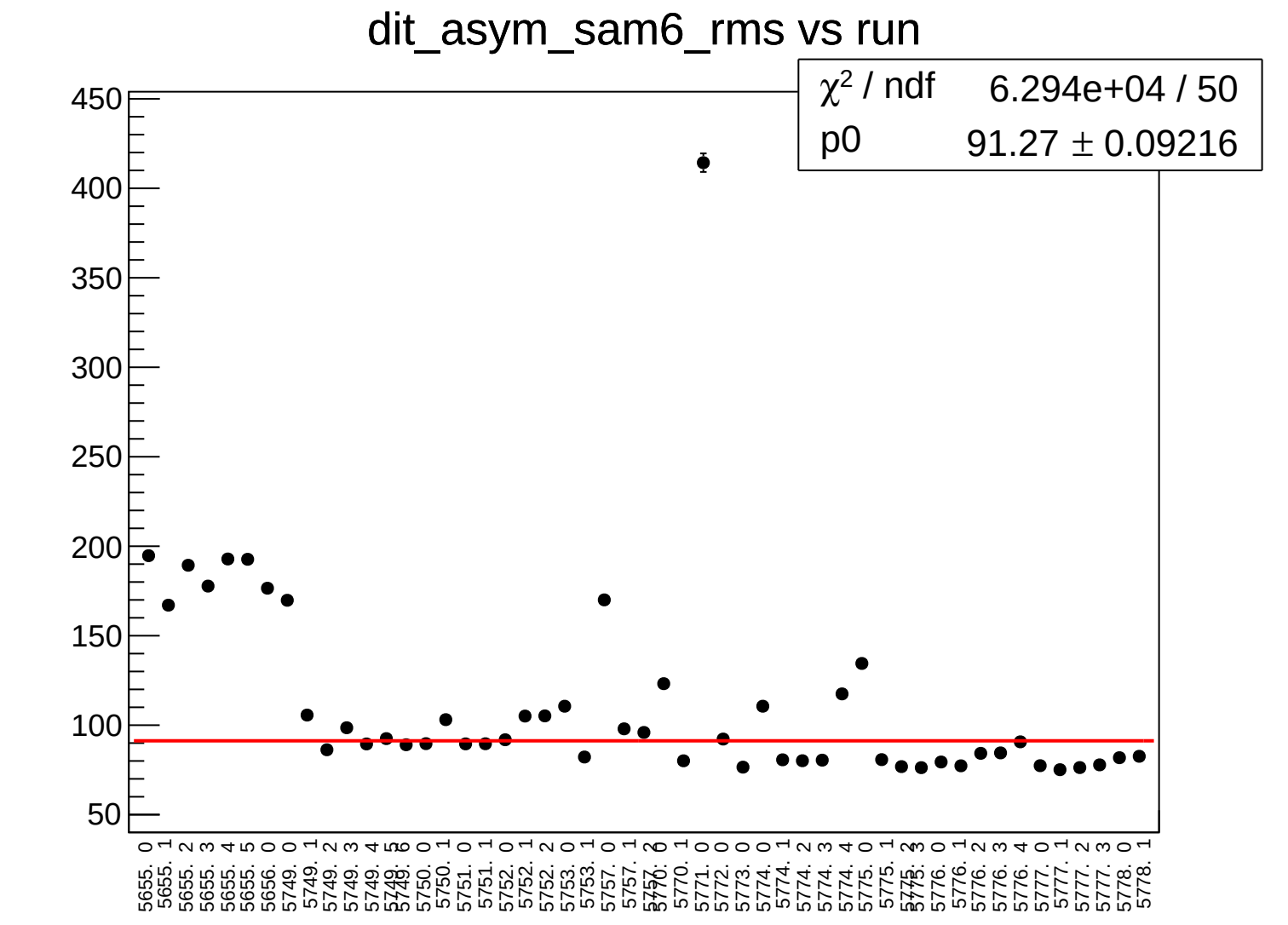

asym_sam5_mean vs run
χ² / ndf 60.69 / 50
p0 179.1 ± 806
30000
20000
10000
0
−10000
−20000
pull
Entries 51
Mean −9.636
Std Dev 27.2
2
1
0
−1
−2

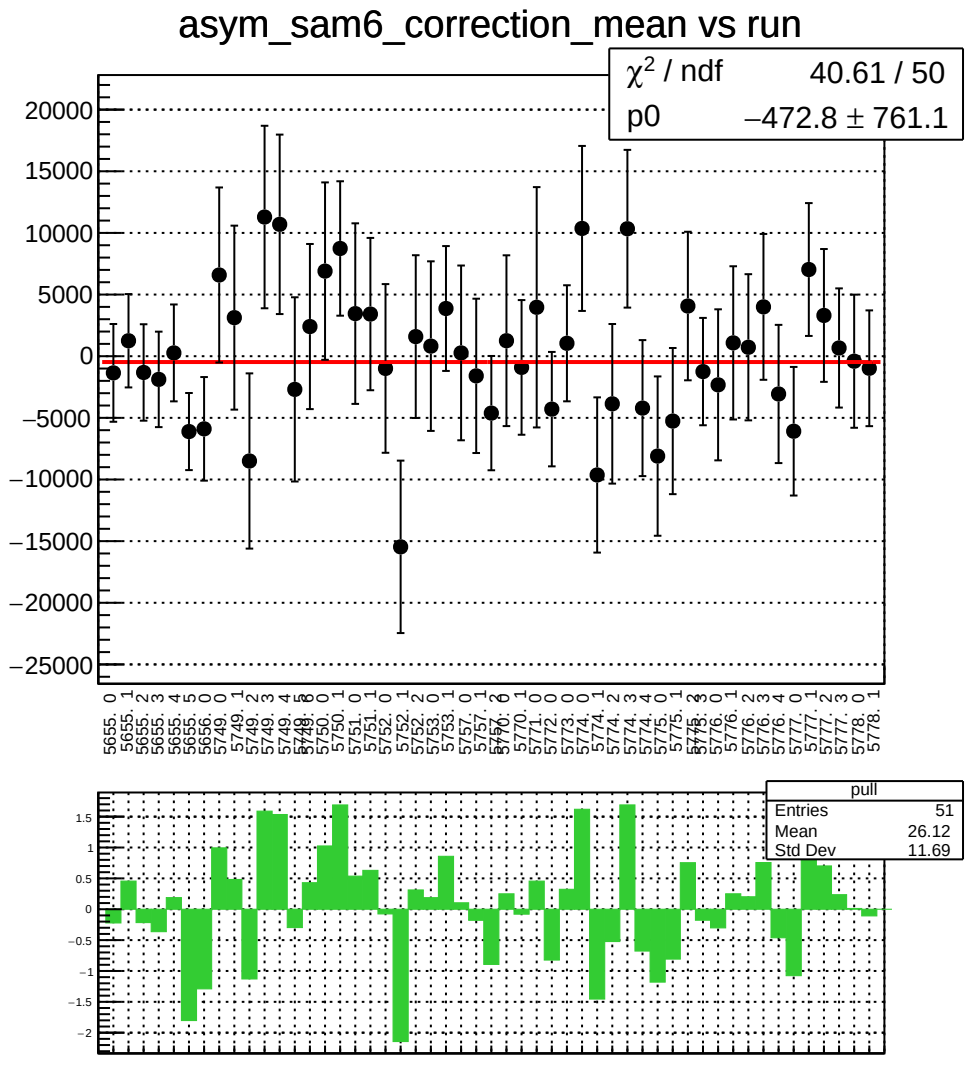

pull1D
Entries 51
Mean −0.05206
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

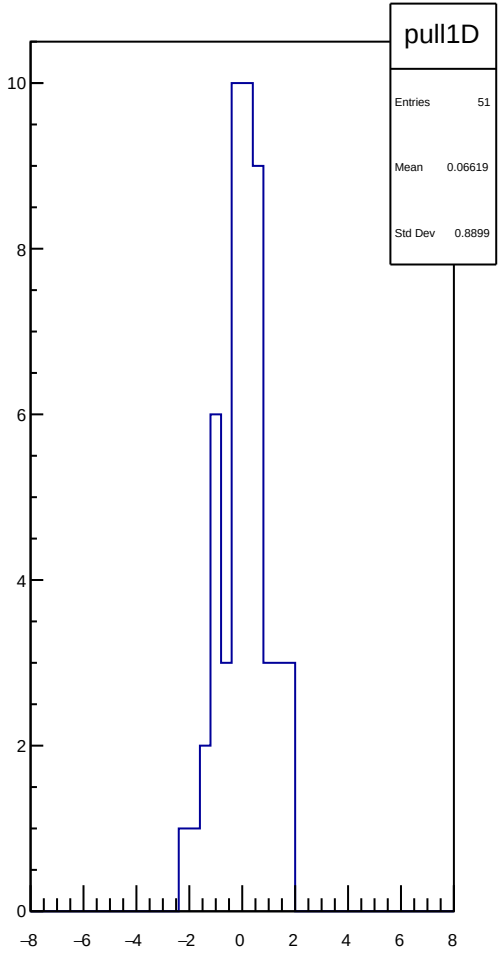

asym_sam5_rms vs run
χ² / ndf 7.536e+04 / 50
p0 560.9 ± 0.5699
1000
900
800
700
600
500
400
300
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770.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

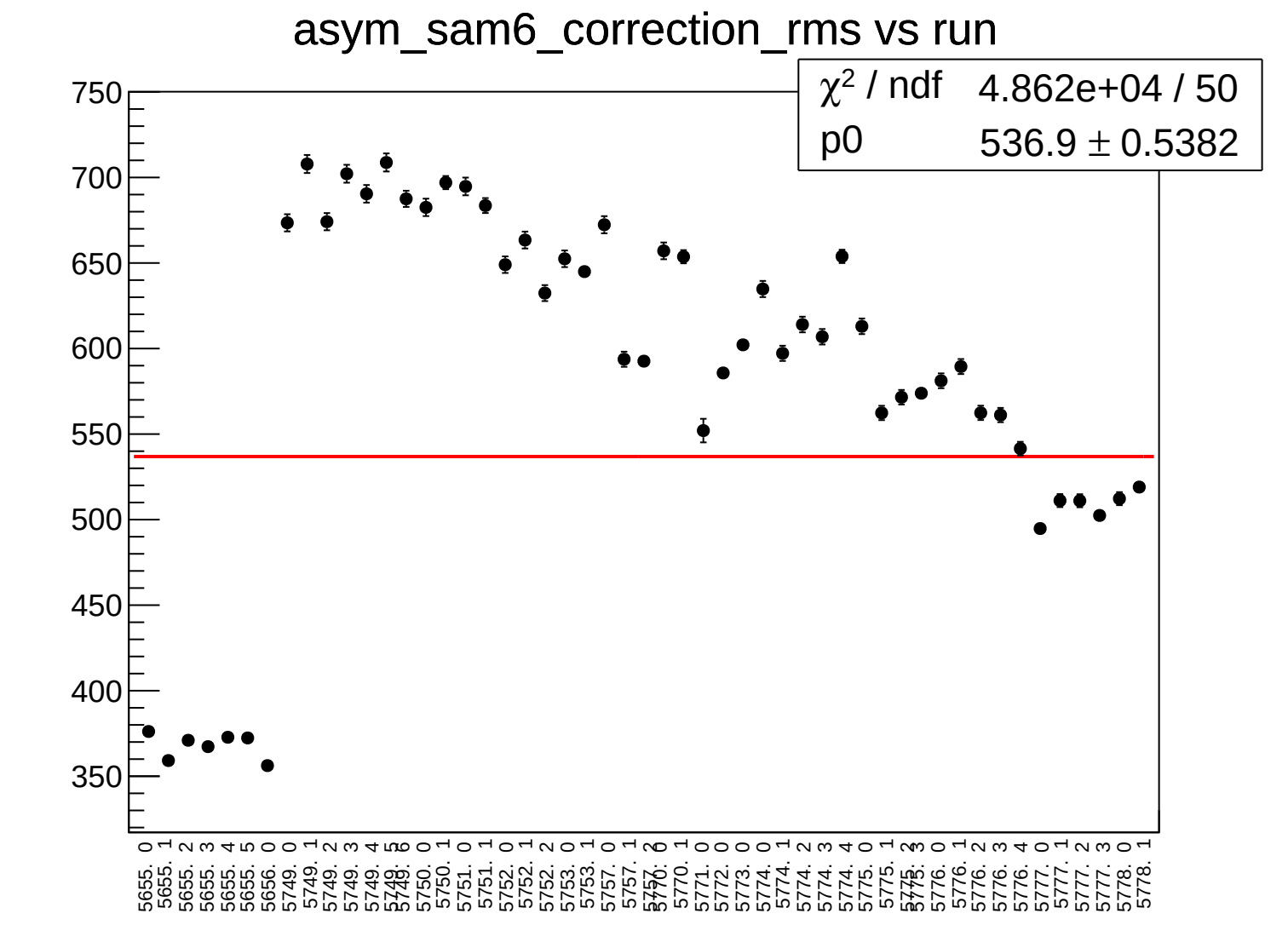

dit_asym_sam6_mean vs run
χ² / ndf 56.33 / 50
p0 −148.3 ± 130.3
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −24.03
Std Dev 31.16
2
1
0
−1
−2
−3

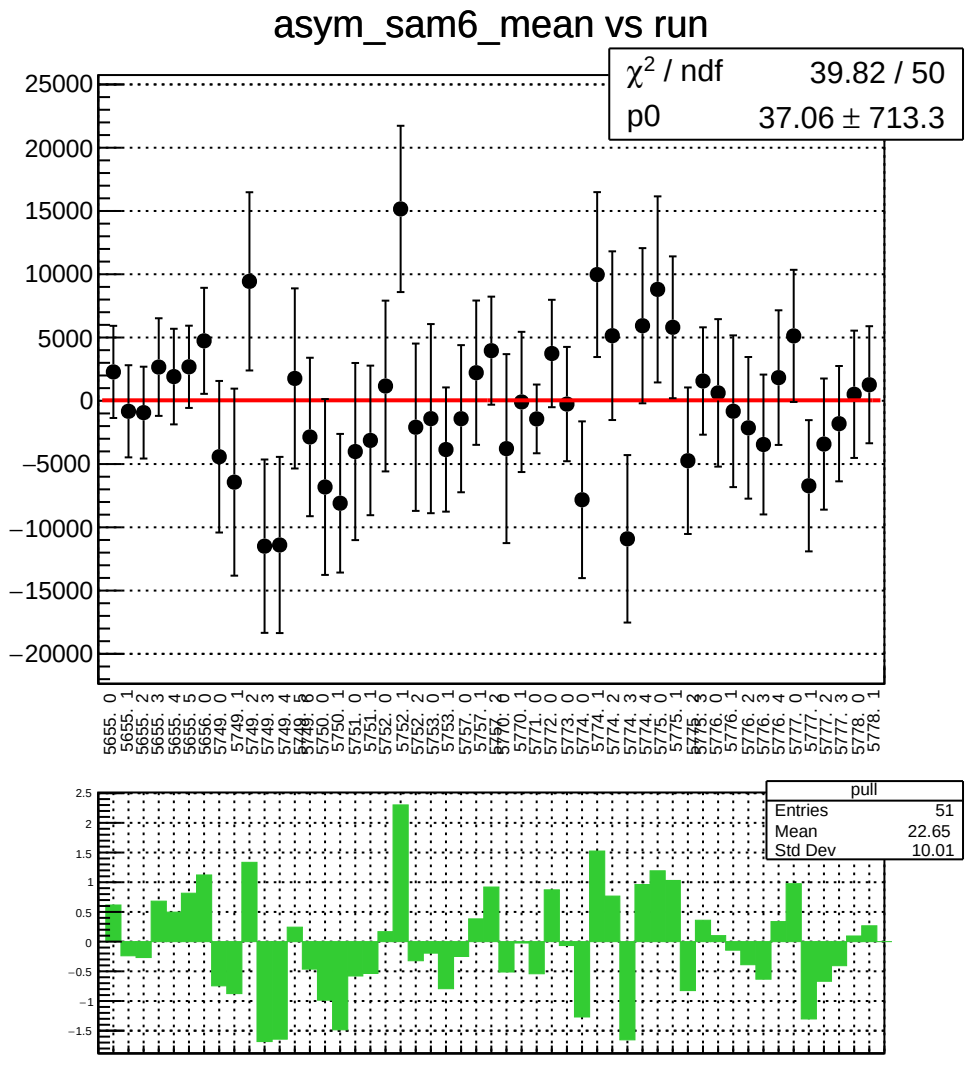

pull1D
Entries 51
Mean −0.01417
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

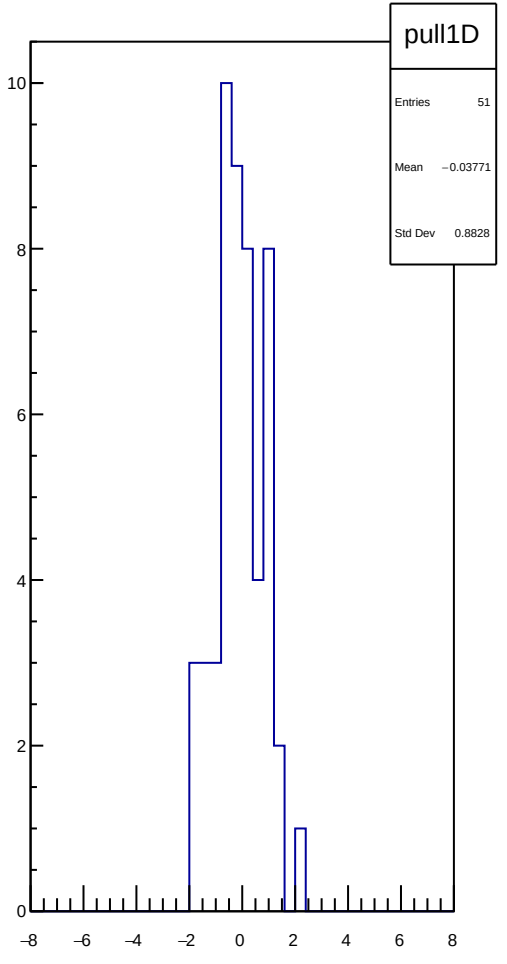

dit_asym_sam6_rms vs run
χ² / ndf 6.294e+04 / 50
p0 91.27 ± 0.09216
450
400
350
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

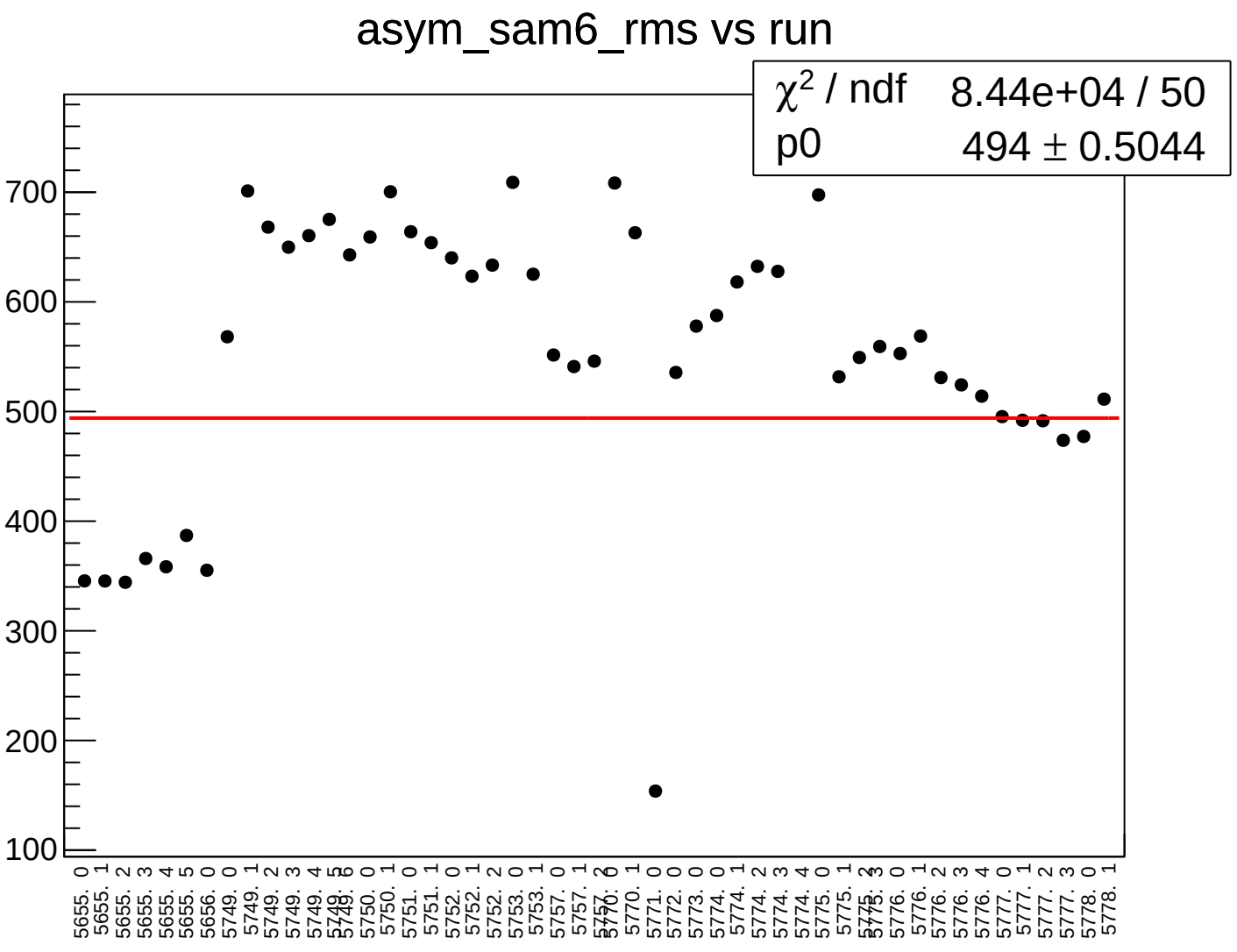

asym_sam6_correction_mean vs run
χ² / ndf 40.61 / 50
p0 −472.8 ± 761.1
pull
Entries 51
Mean 26.12
Std Dev 11.69

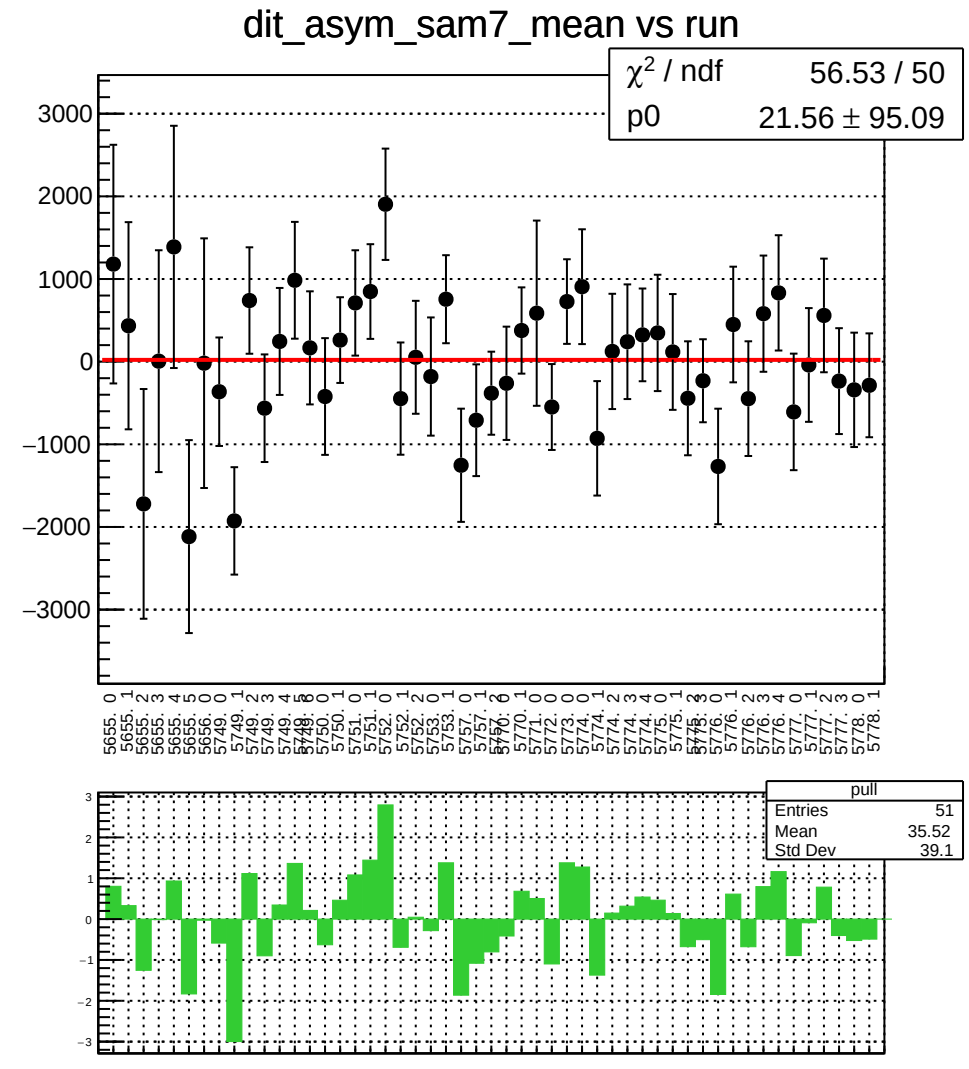

pull1D
Entries 51
Mean 0.06619
Std Dev 0.8899

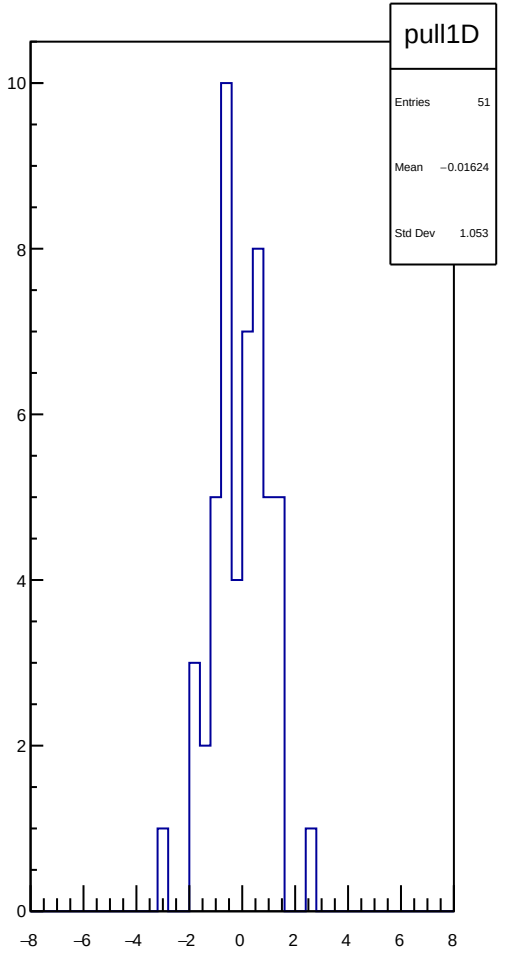

asym_sam6_correction_rms vs run
χ² / ndf 4.862e+04 / 50
p0 536.9 ± 0.5382
750
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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

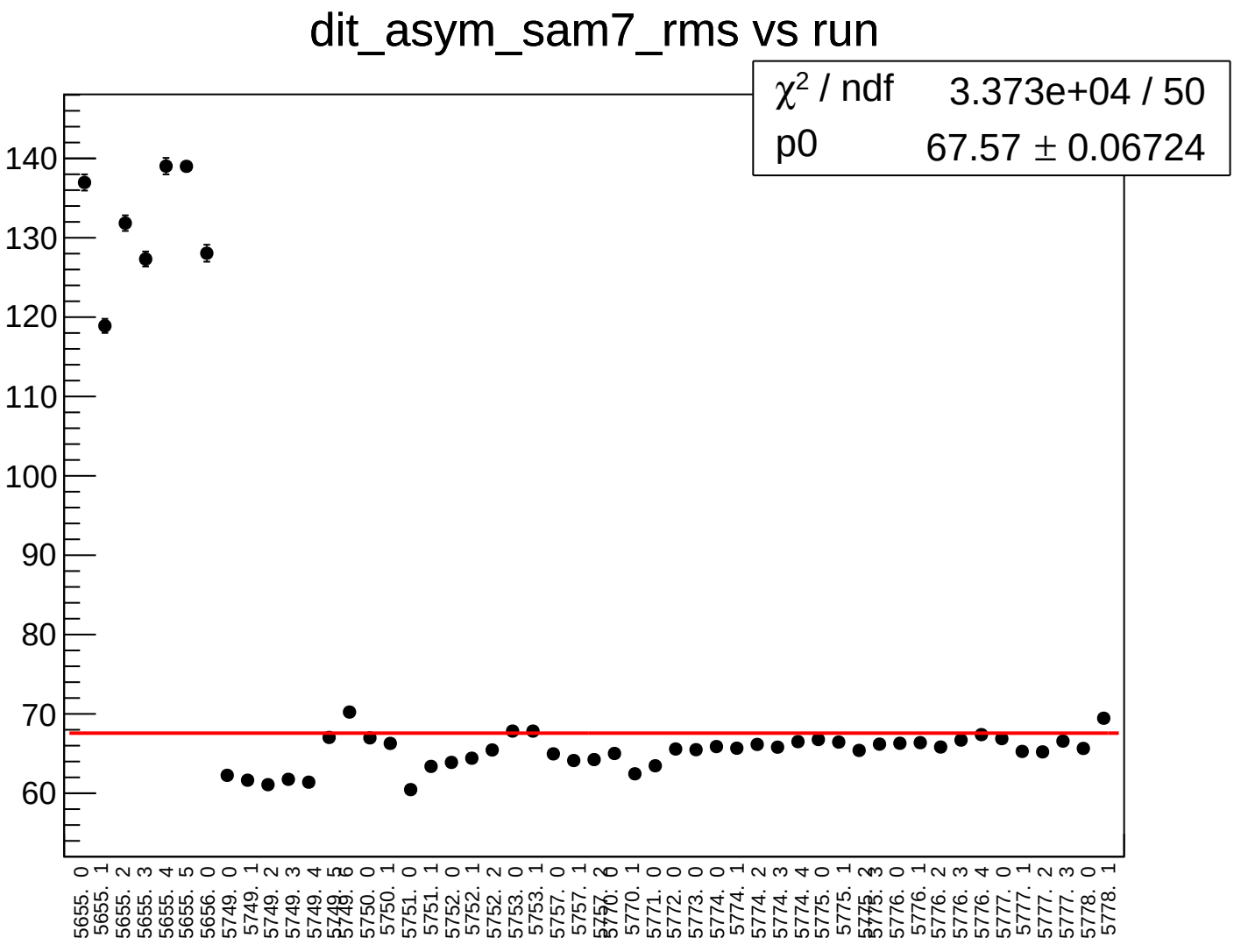

asym_sam6_mean vs run
χ² / ndf 39.82 / 50
p0 37.06 ± 713.3
pull
Entries 51
Mean 22.65
Std Dev 10.01

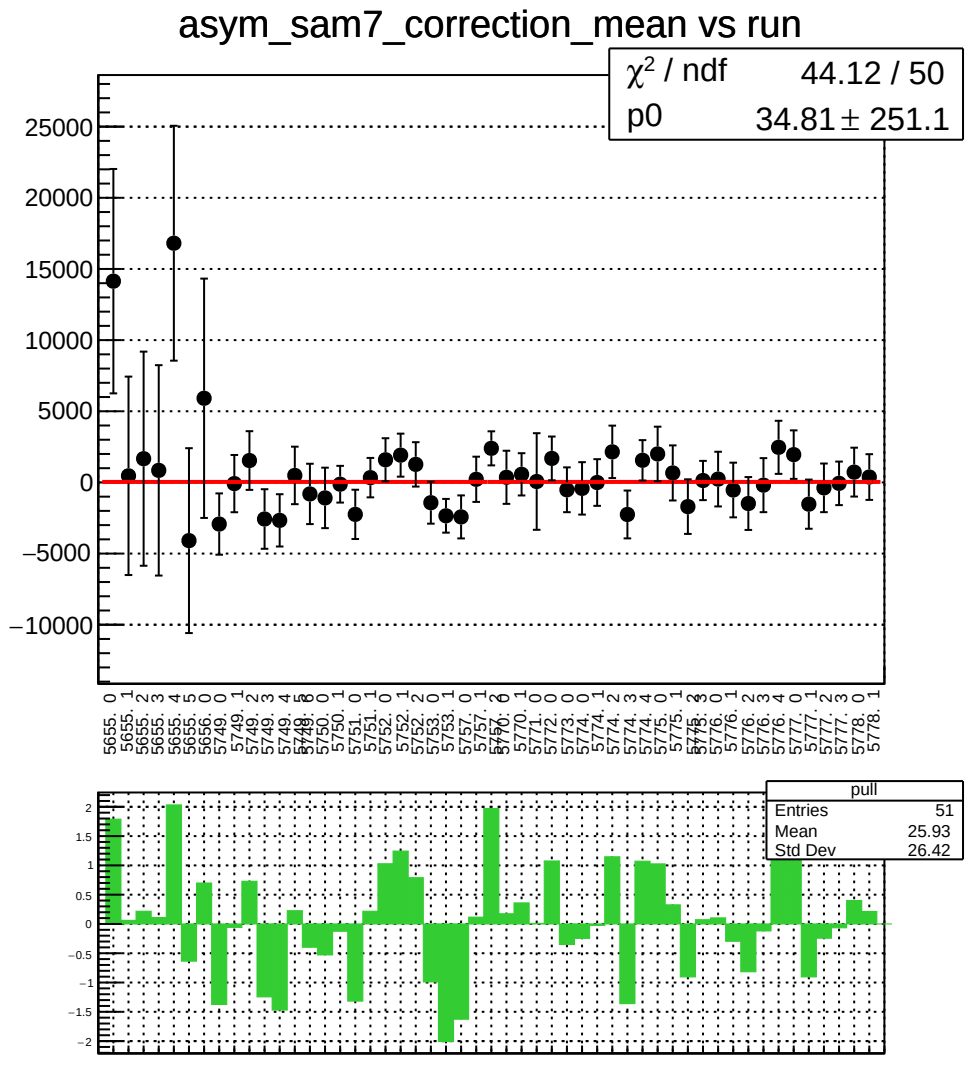

pull1D
Entries 51
Mean −0.03771
Std Dev 0.8828

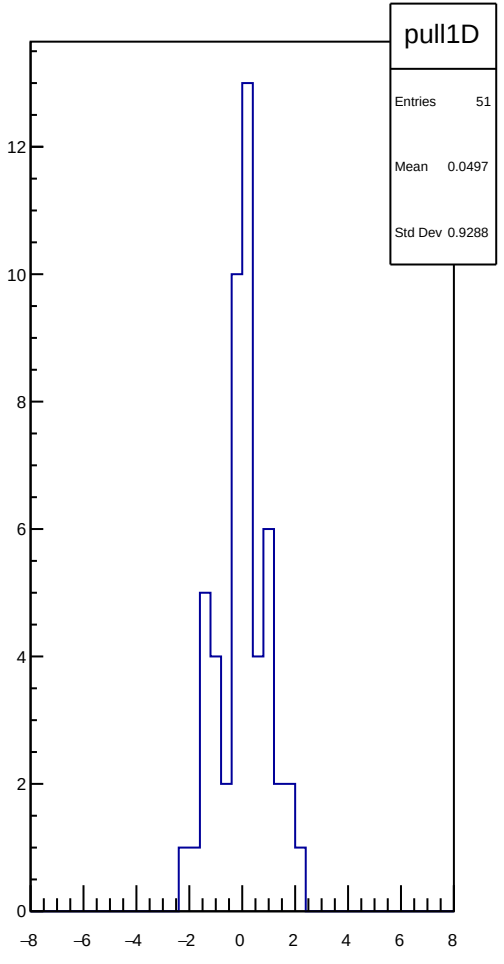

asym_sam6_rms vs run
χ² / ndf 8.44e+04 / 50
p0 494 ± 0.5044
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770.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

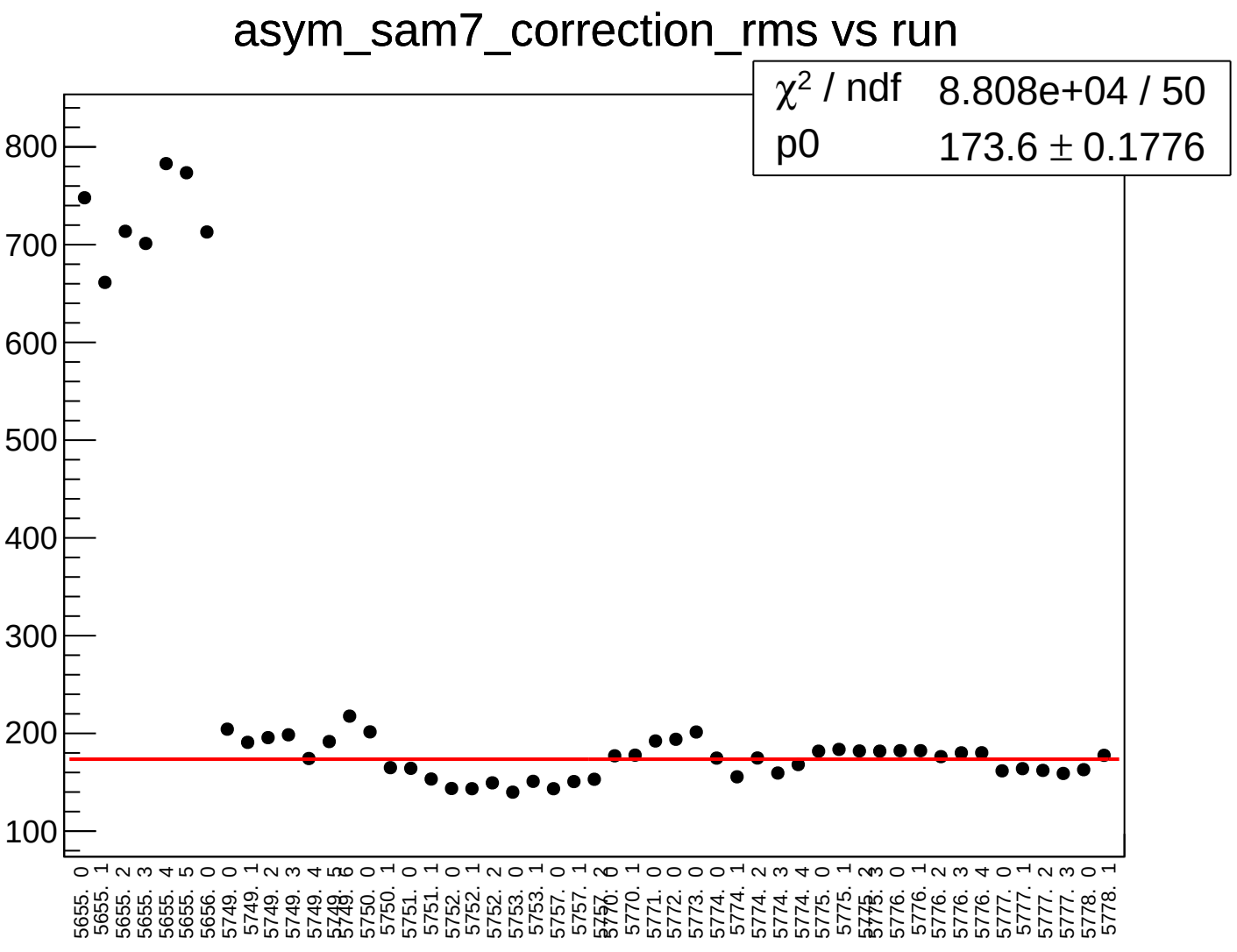

dit_asym_sam7_mean vs run
χ² / ndf 56.53 / 50
p0 21.56 ± 95.09
pull
Entries 51
Mean 35.52
Std Dev 39.1

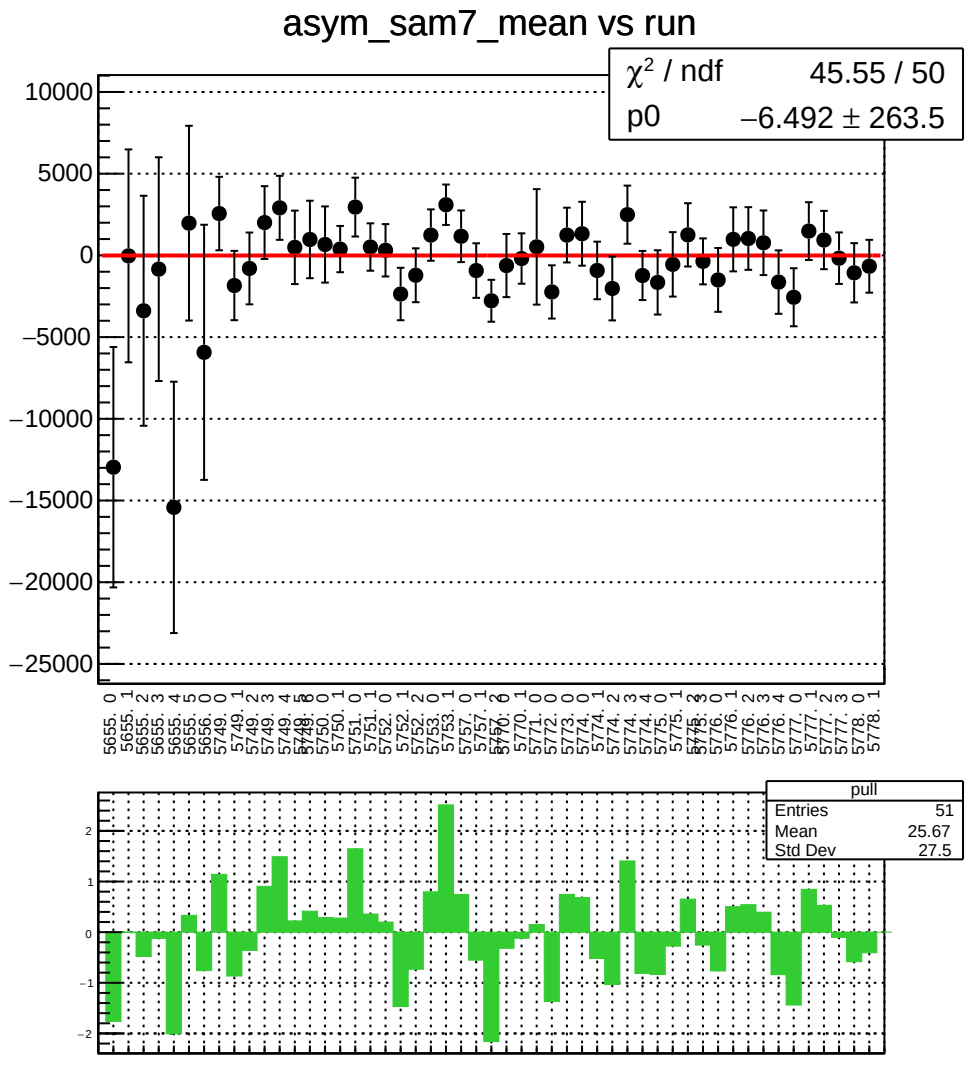

pull1D
Entries 51
Mean −0.01624
Std Dev 1.053

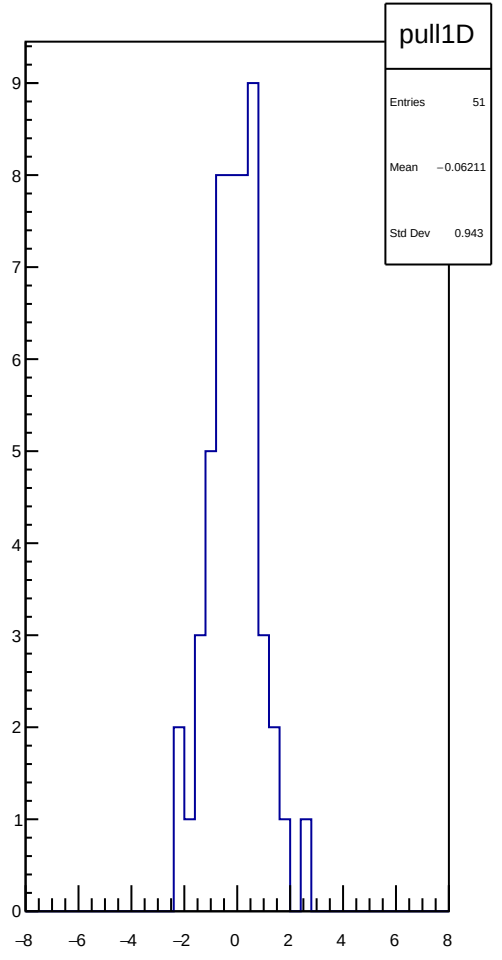

dit_asym_sam7_rms vs run
χ² / ndf 3.373e+04 / 50
p0 67.57 ± 0.06724
140
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

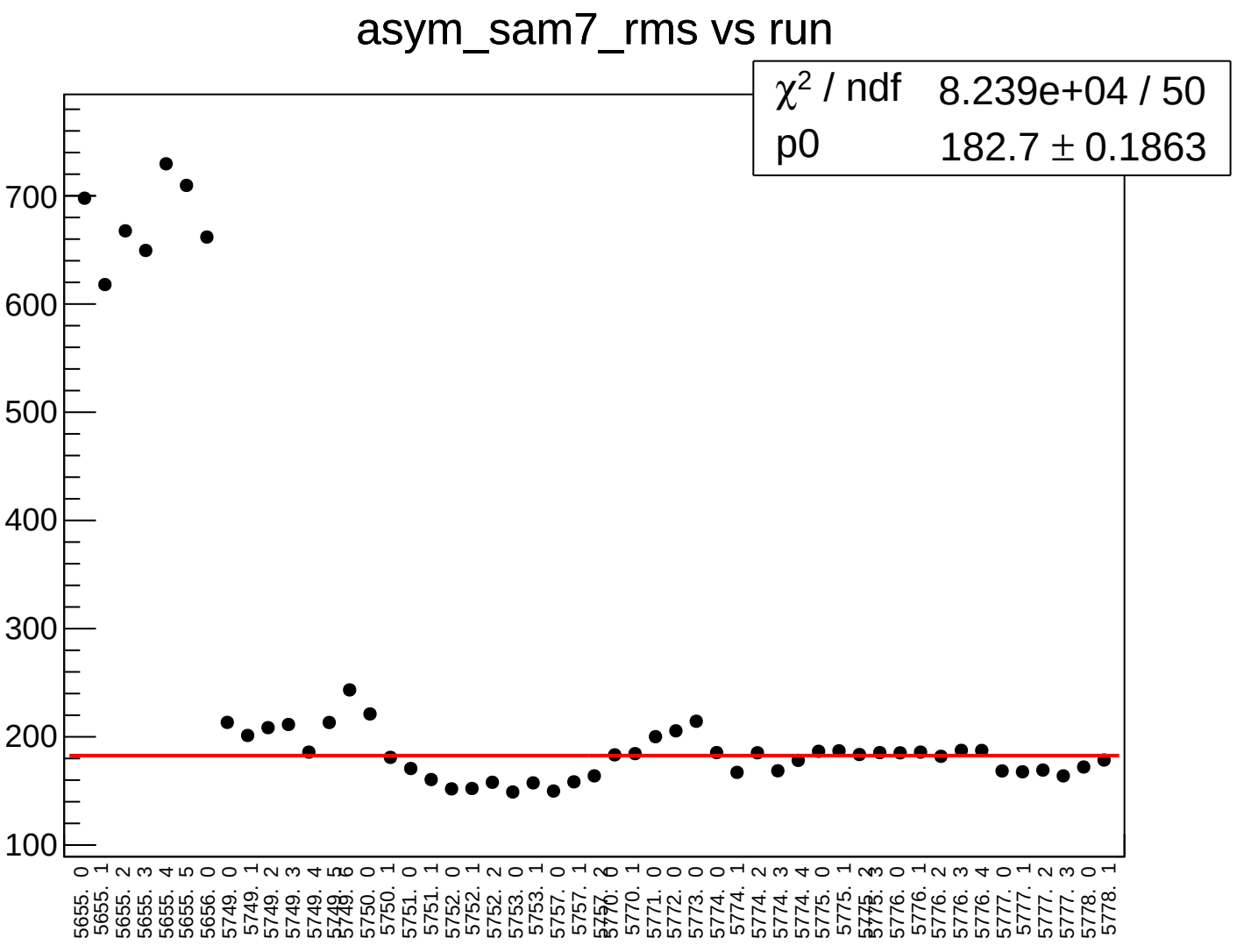

asym_sam7_correction_mean vs run
χ² / ndf 44.12 / 50
p0 34.81 ± 251.1
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 51
Mean 25.93
Std Dev 26.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

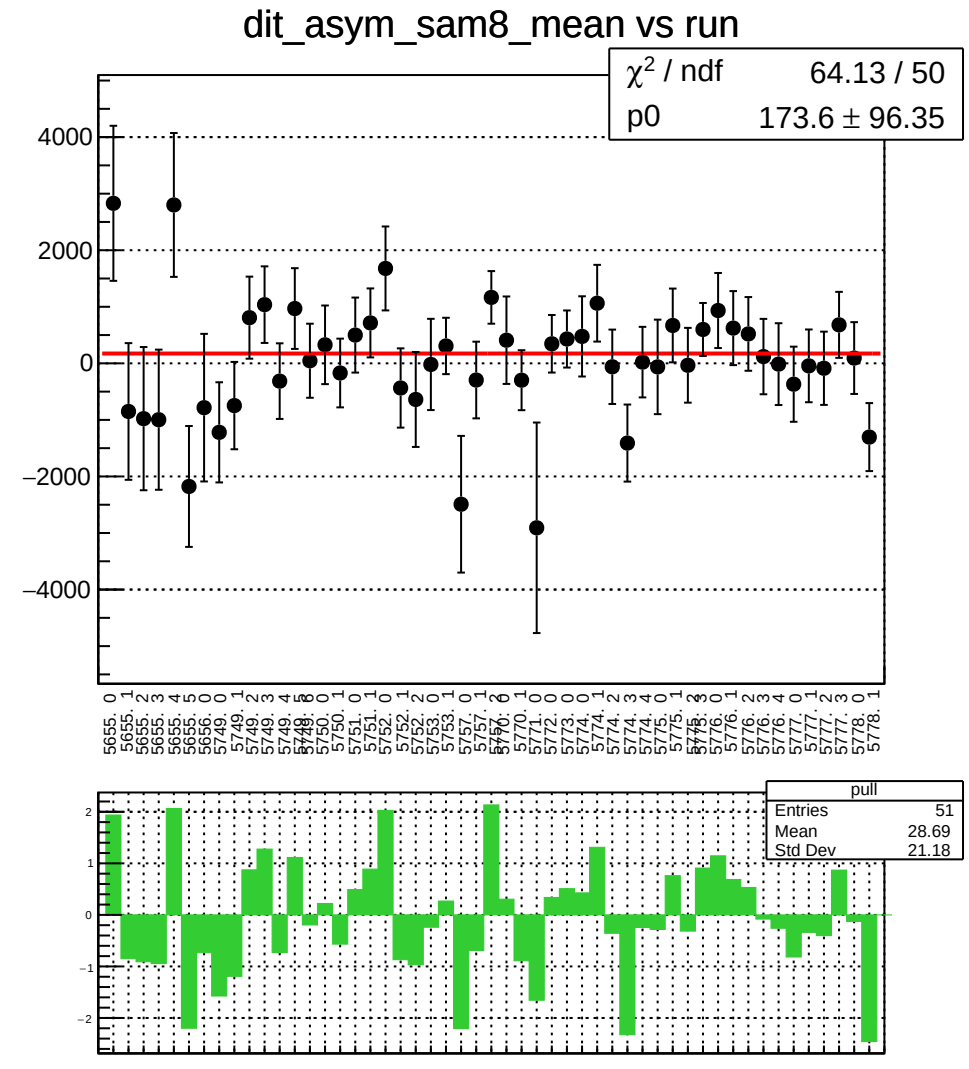

pull1D
Entries 51
Mean 0.0497
Std Dev 0.9288
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

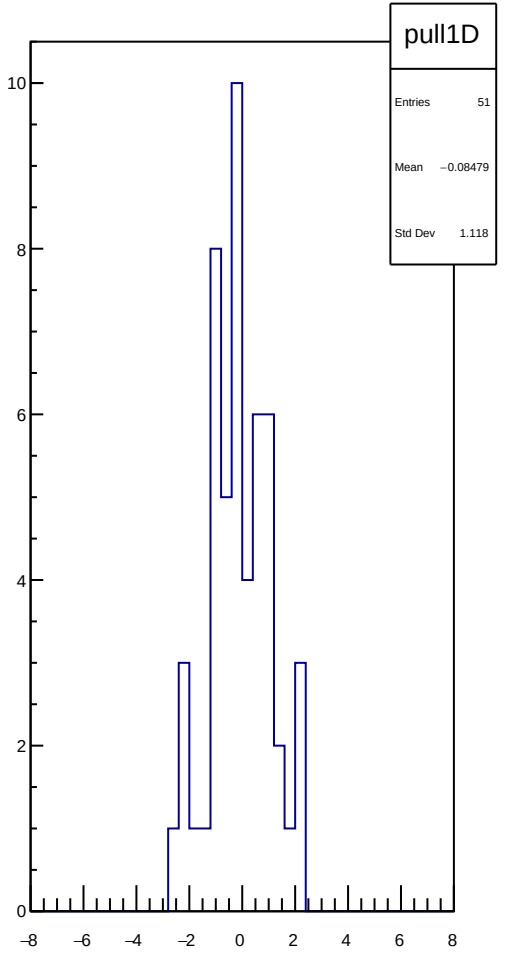

asym_sam7_correction_rms vs run
χ^2 / ndf 8.808e+04 / 50
p0 173.6 ± 0.1776
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

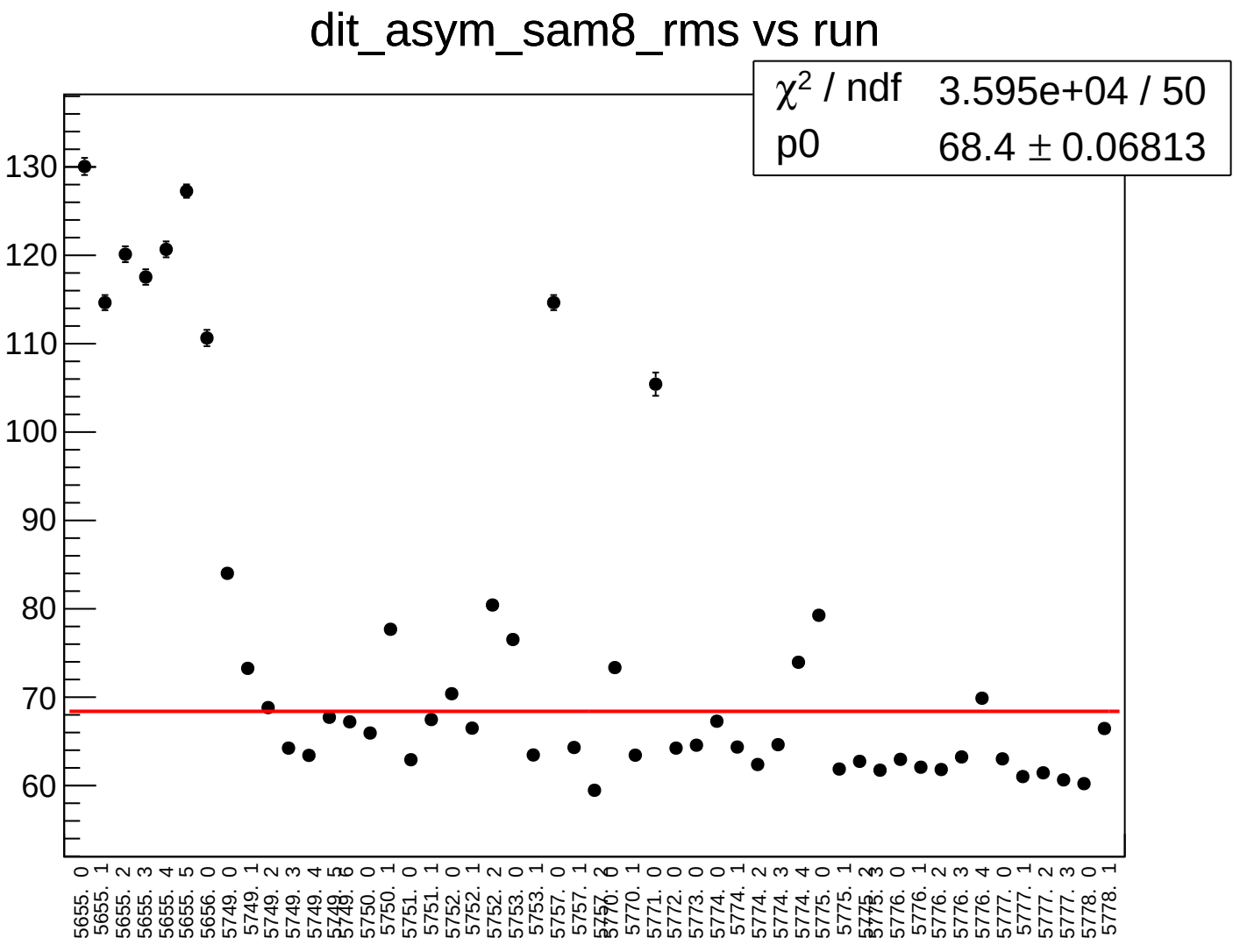

asym_sam7_mean vs run
χ² / ndf 45.55 / 50
p0 −6.492 ± 263.5
pull
Entries 51
Mean 25.67
Std Dev 27.5

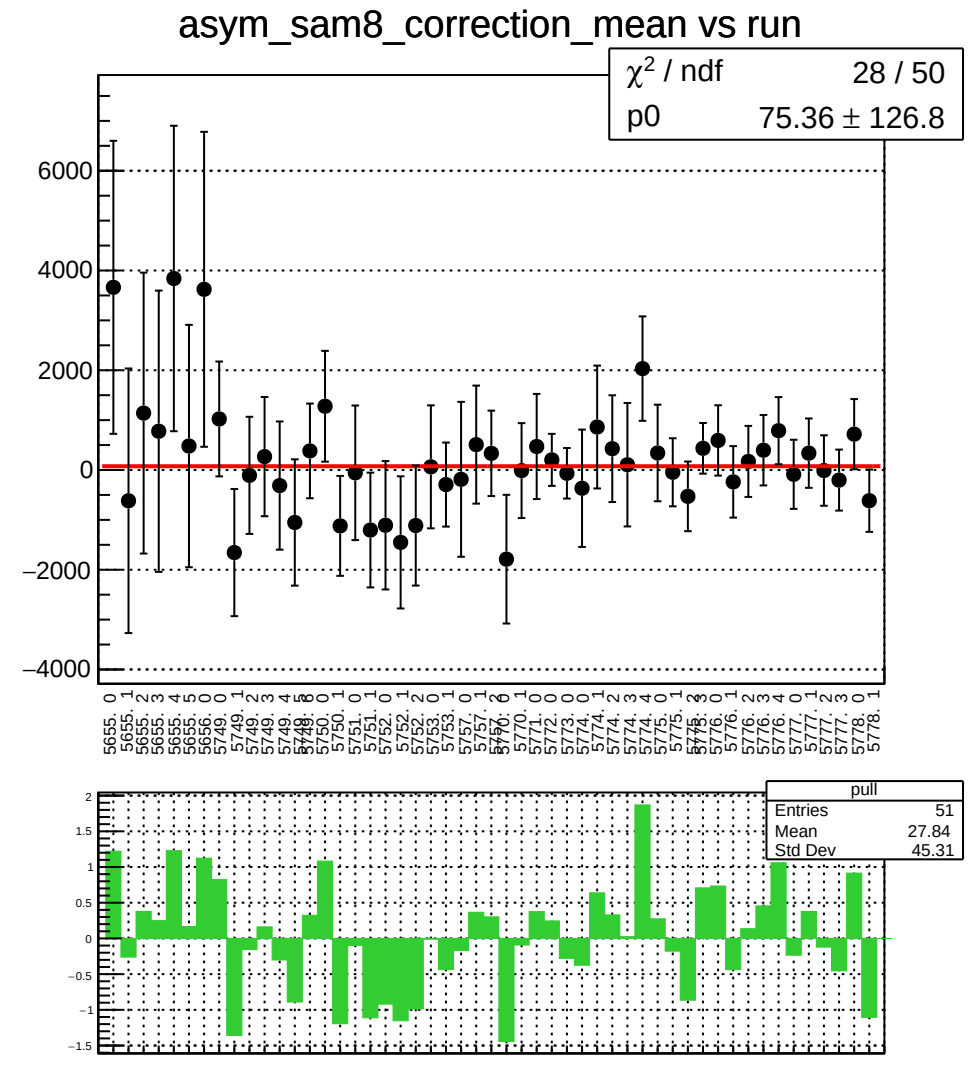

pull1D
Entries 51
Mean −0.06211
Std Dev 0.943

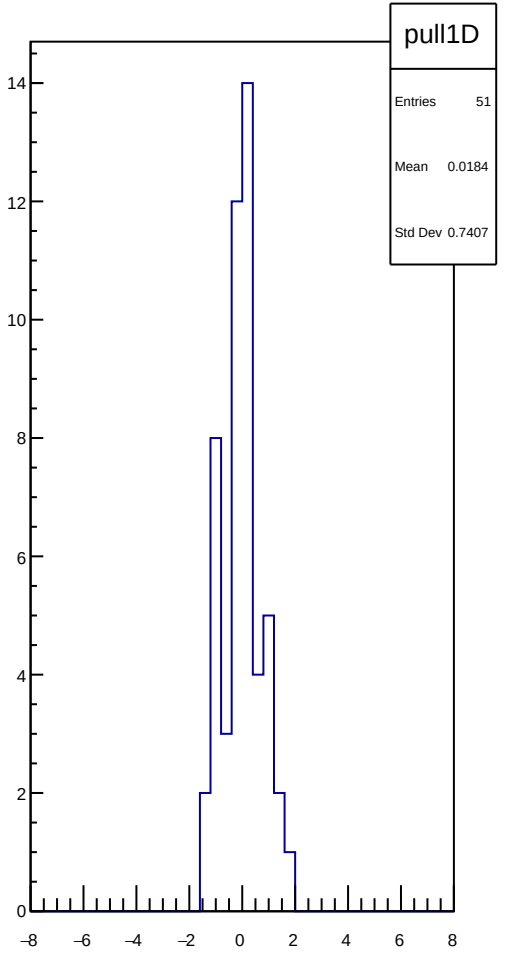

asym_sam7_rms vs run
χ² / ndf 8.239e+04 / 50
p0 182.7 ± 0.1863
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 0
5770.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

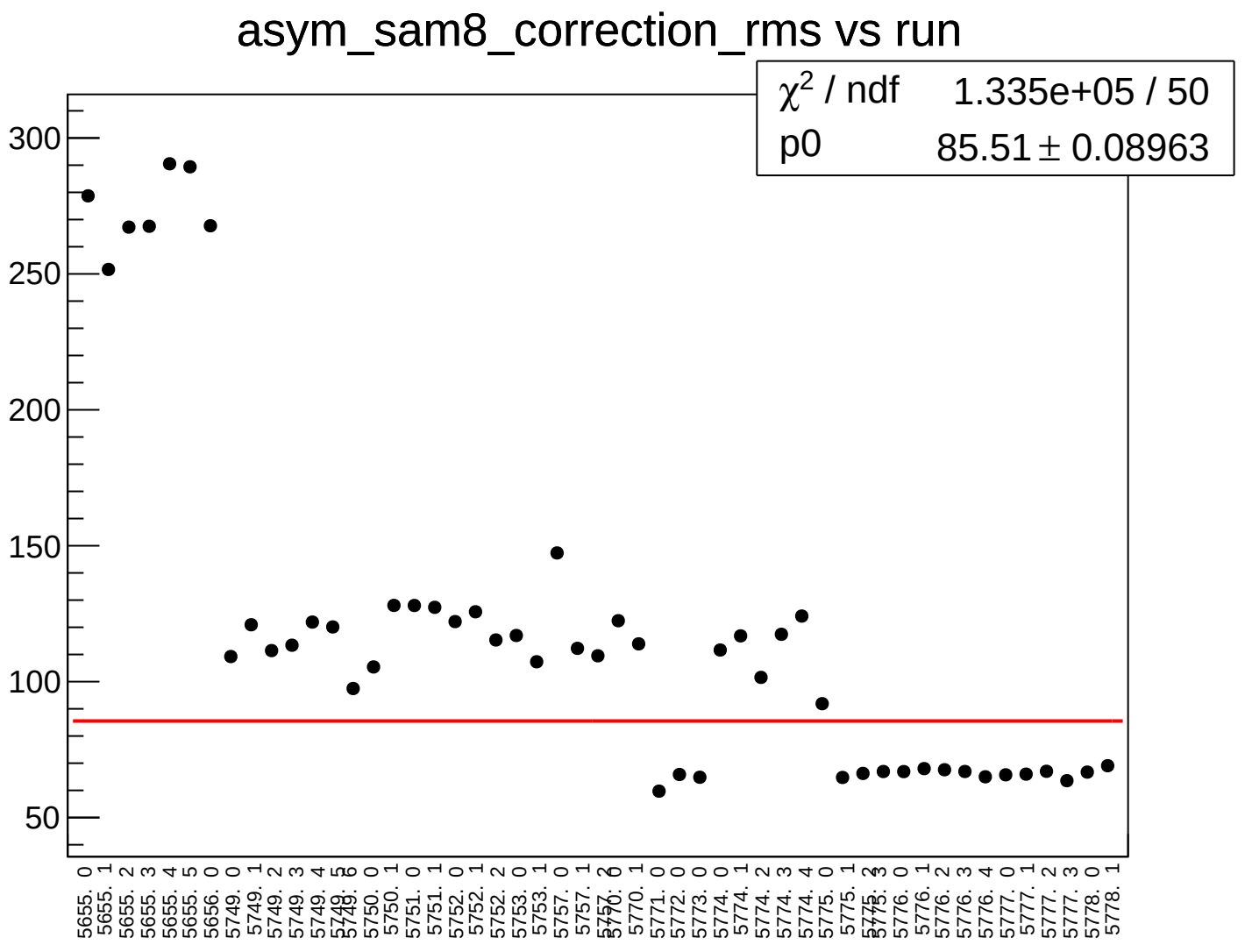

dit_asym_sam8_mean vs run
χ² / ndf 64.13 / 50
p0 173.6 ± 96.35
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 28.69
Std Dev 21.18
2
1
0
−1
−2

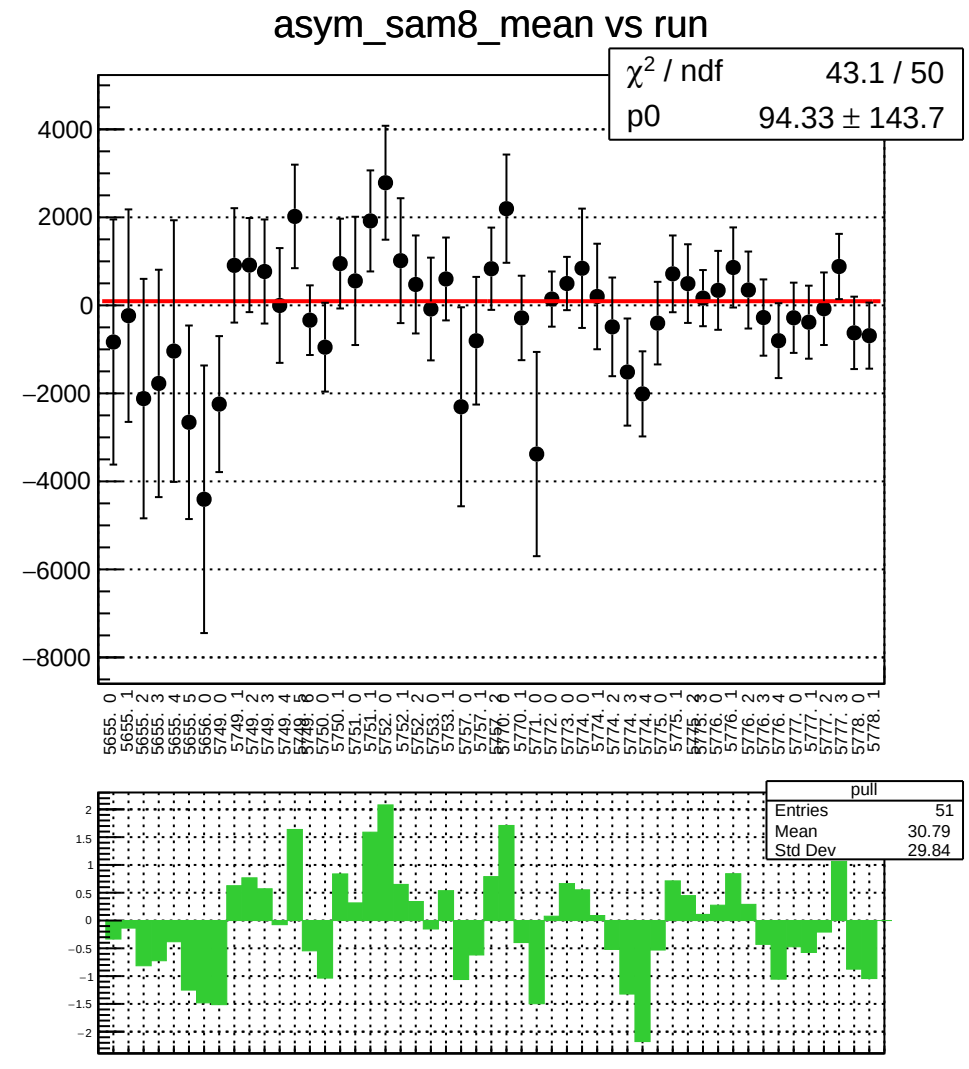

pull1D
Entries 51
Mean −0.08479
Std Dev 1.118
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

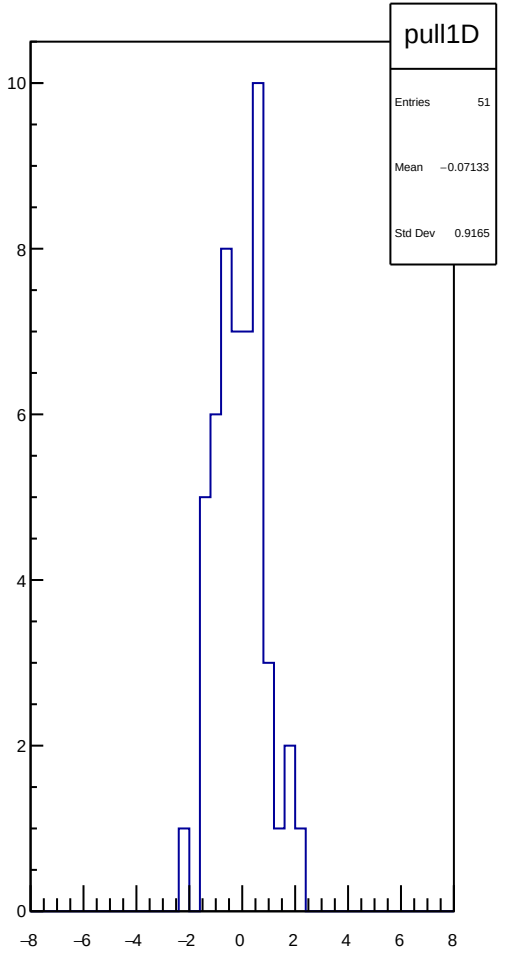

dit_asym_sam8_rms vs run
χ² / ndf 3.595e+04 / 50
p0 68.4 ± 0.06813
130
120
110
100
90
80
70
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

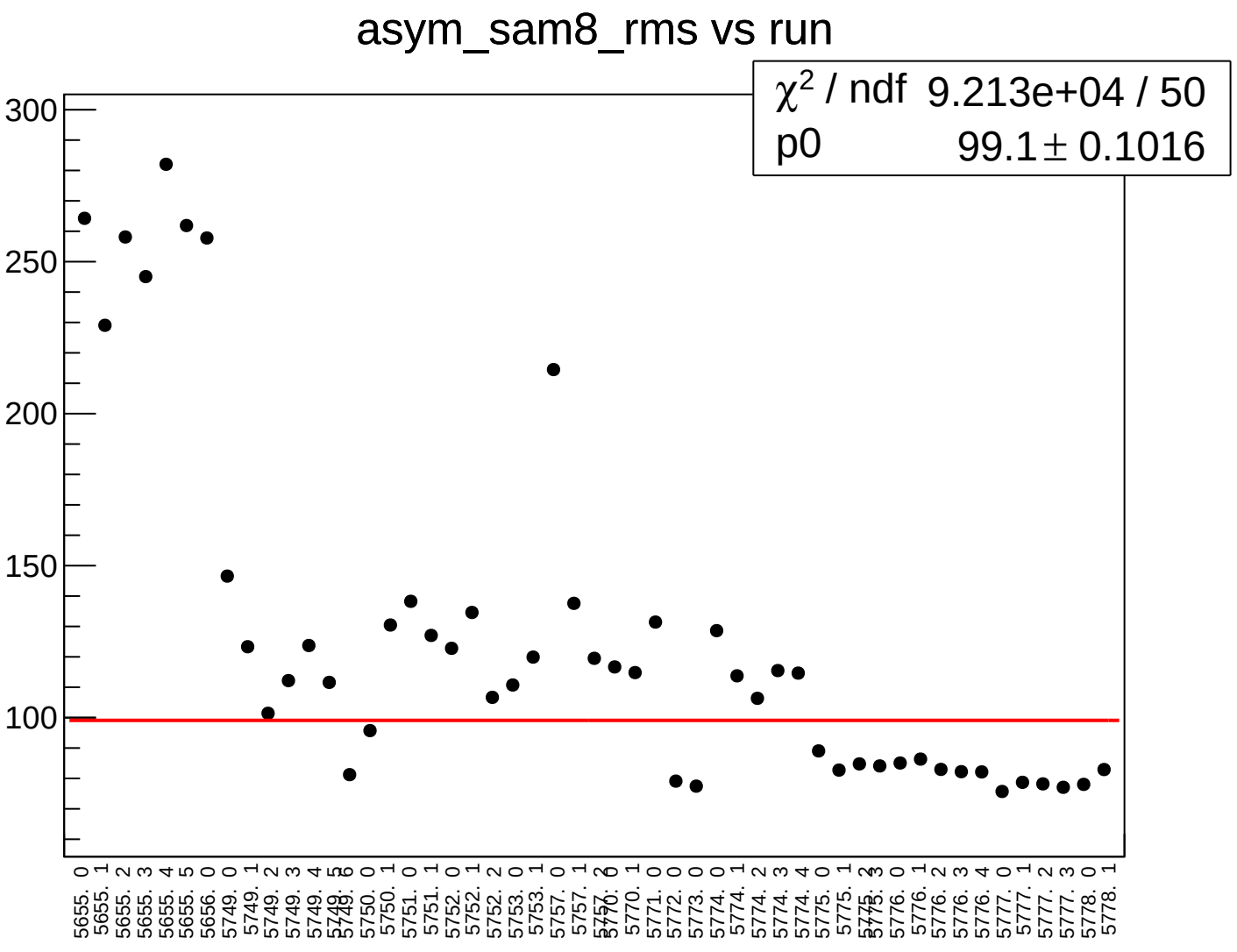

asym_sam8_correction_mean vs run
χ² / ndf 28 / 50
p0 75.36 ± 126.8
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean 27.84
Std Dev 45.31
2
1.5
1
0.5
0
−0.5
−1
−1.5

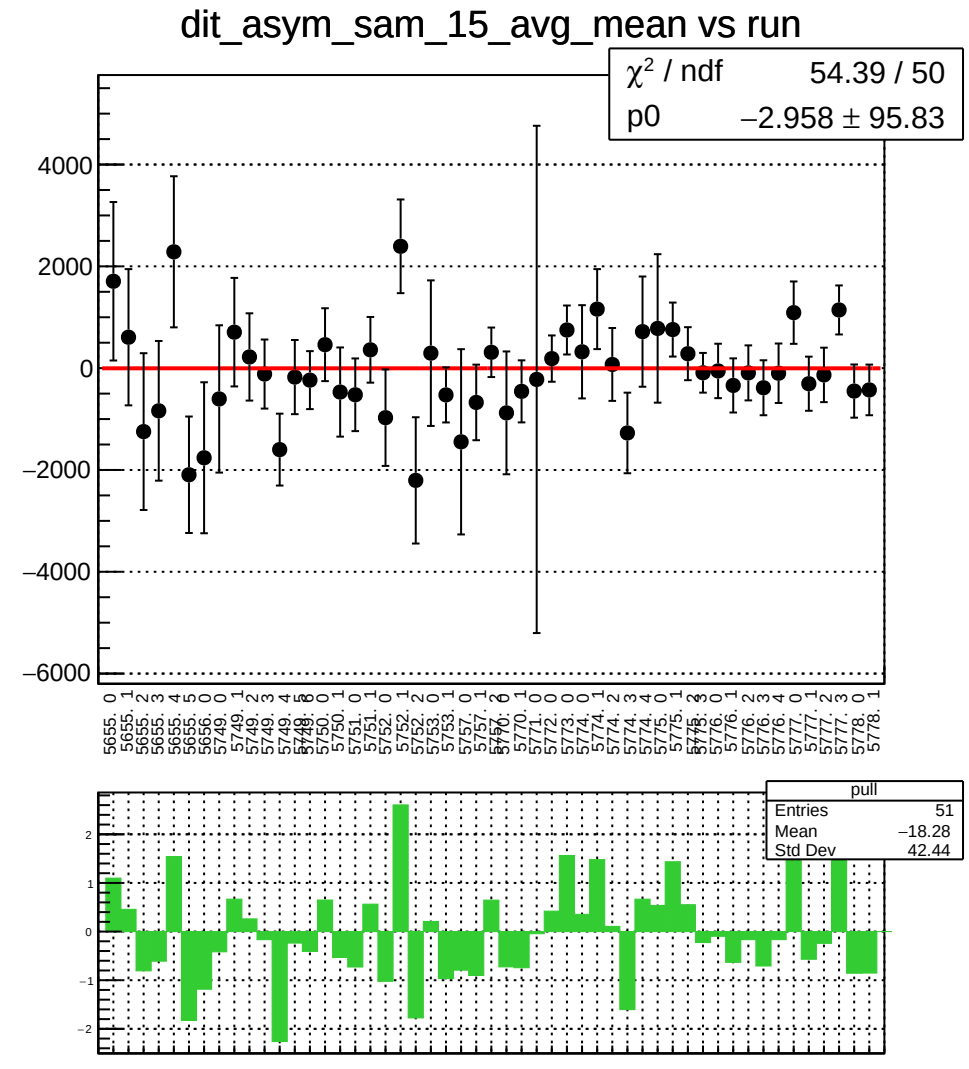

pull1D
Entries 51
Mean 0.0184
Std Dev 0.7407
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

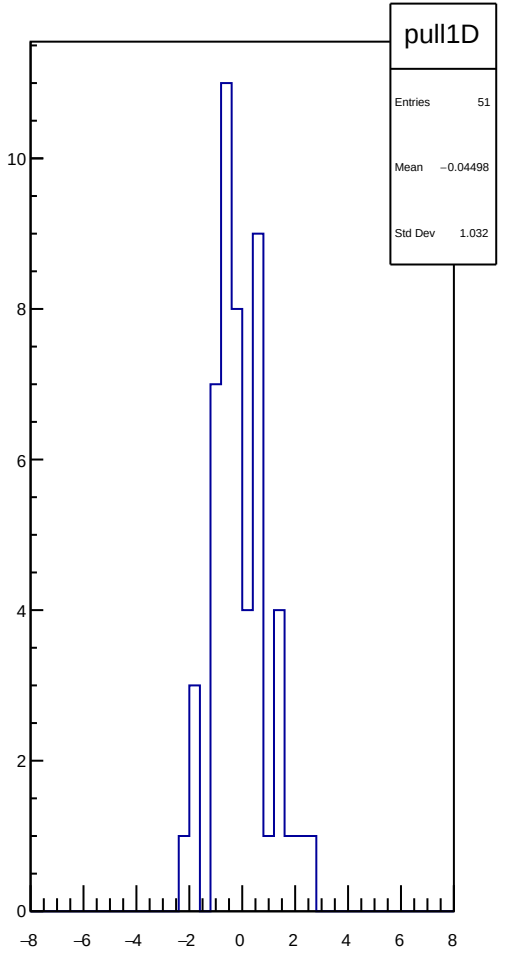

asym_sam8_correction_rms vs run
χ² / ndf 1.335e+05 / 50
p0 85.51 ± 0.08963
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

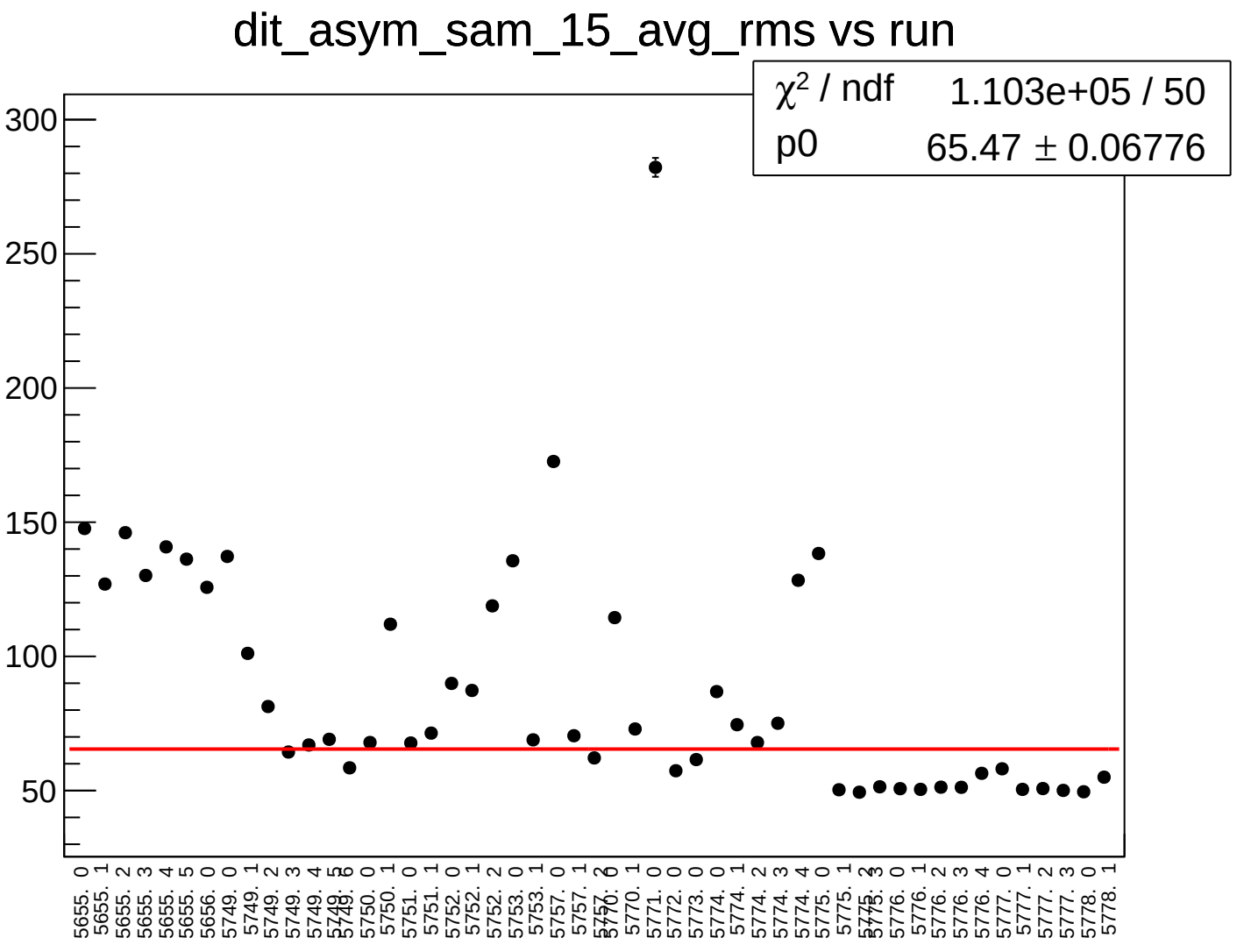

asym_sam8_mean vs run
χ² / ndf 43.1 / 50
p0 94.33 ± 143.7
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 51
Mean 30.79
Std Dev 29.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

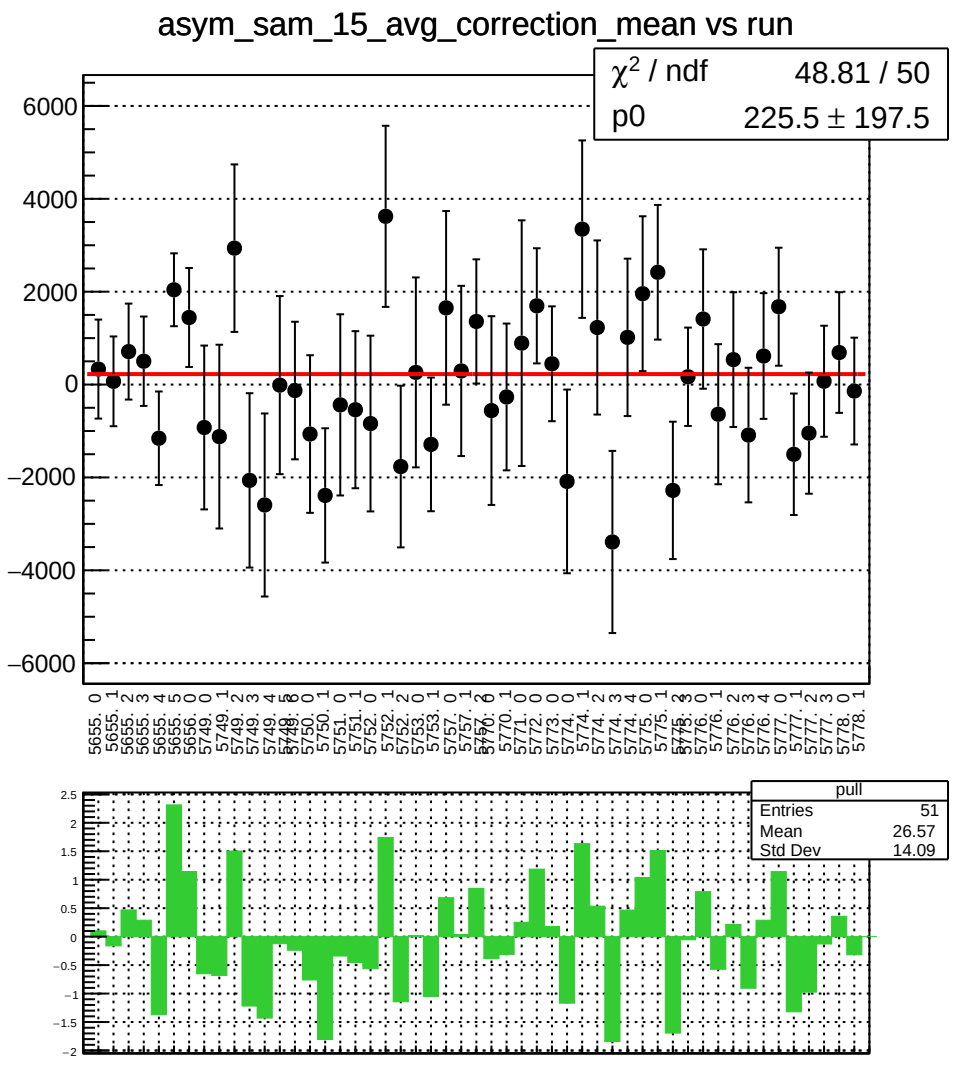

pull1D
Entries 51
Mean −0.07133
Std Dev 0.9165
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

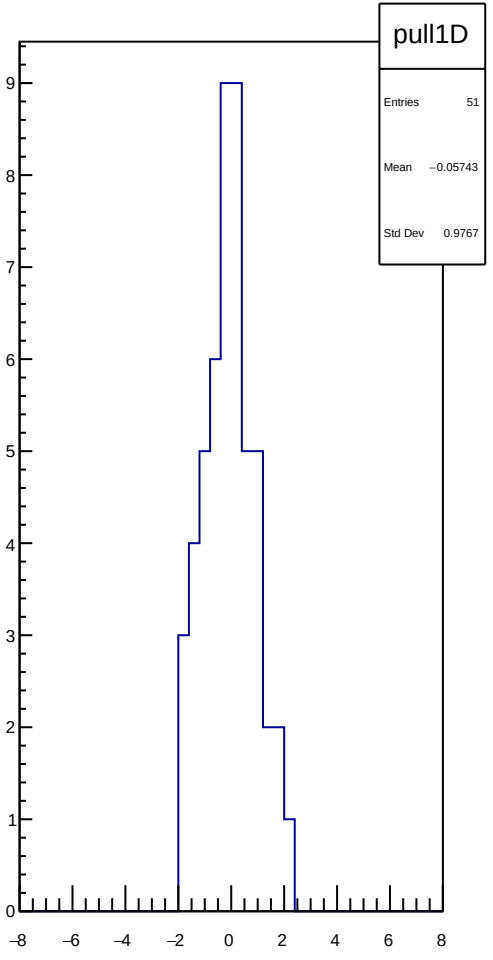

asym_sam8_rms vs run
χ^2 / ndf 9.213e+04 / 50
p0 99.1 ± 0.1016
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 0
5770.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

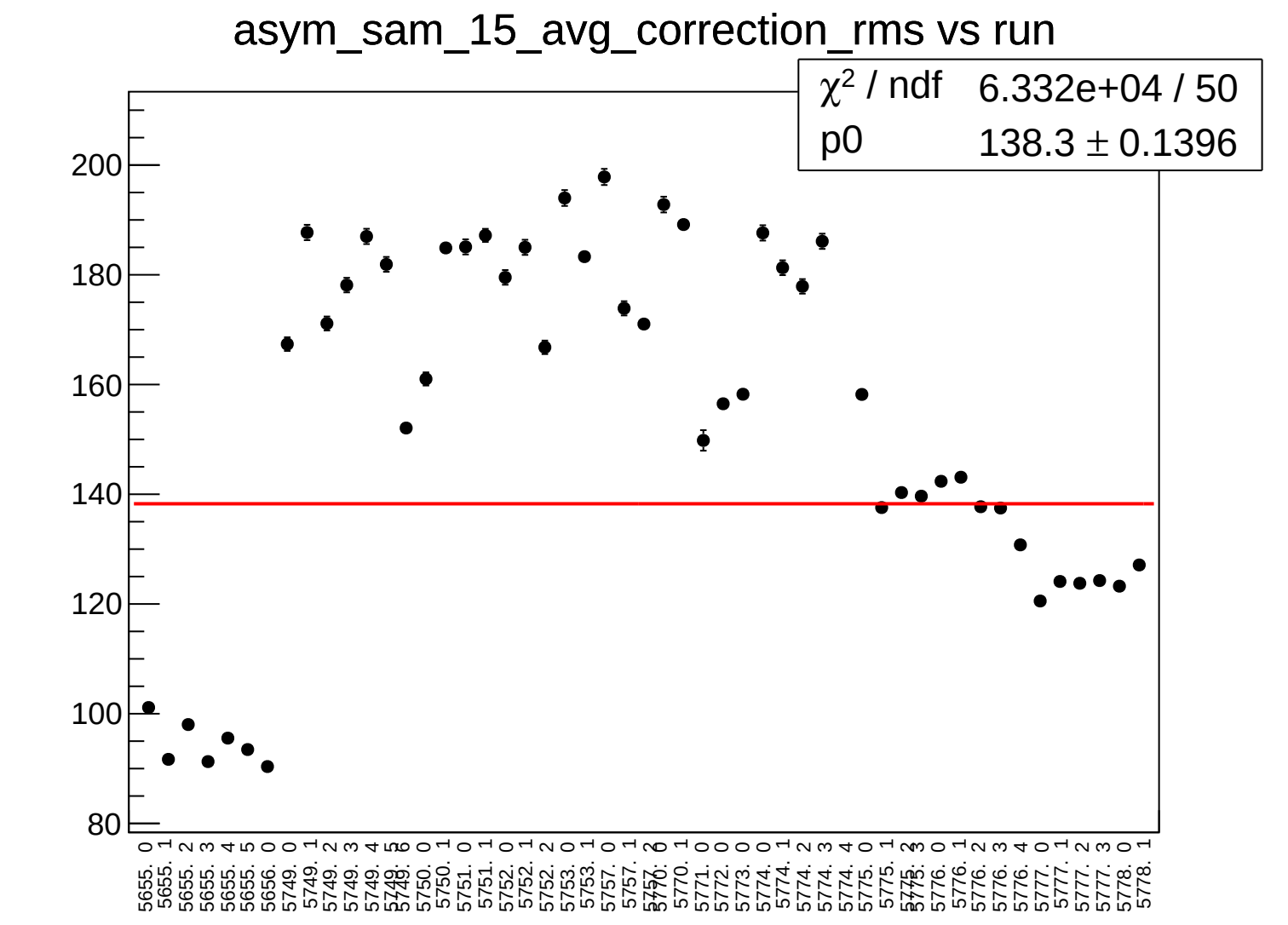

dit_asym_sam_15_avg_mean vs run
χ² / ndf 54.39 / 50
p0 −2.958 ± 95.83
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean −18.28
Std Dev 42.44
2
1
0
−1
−2

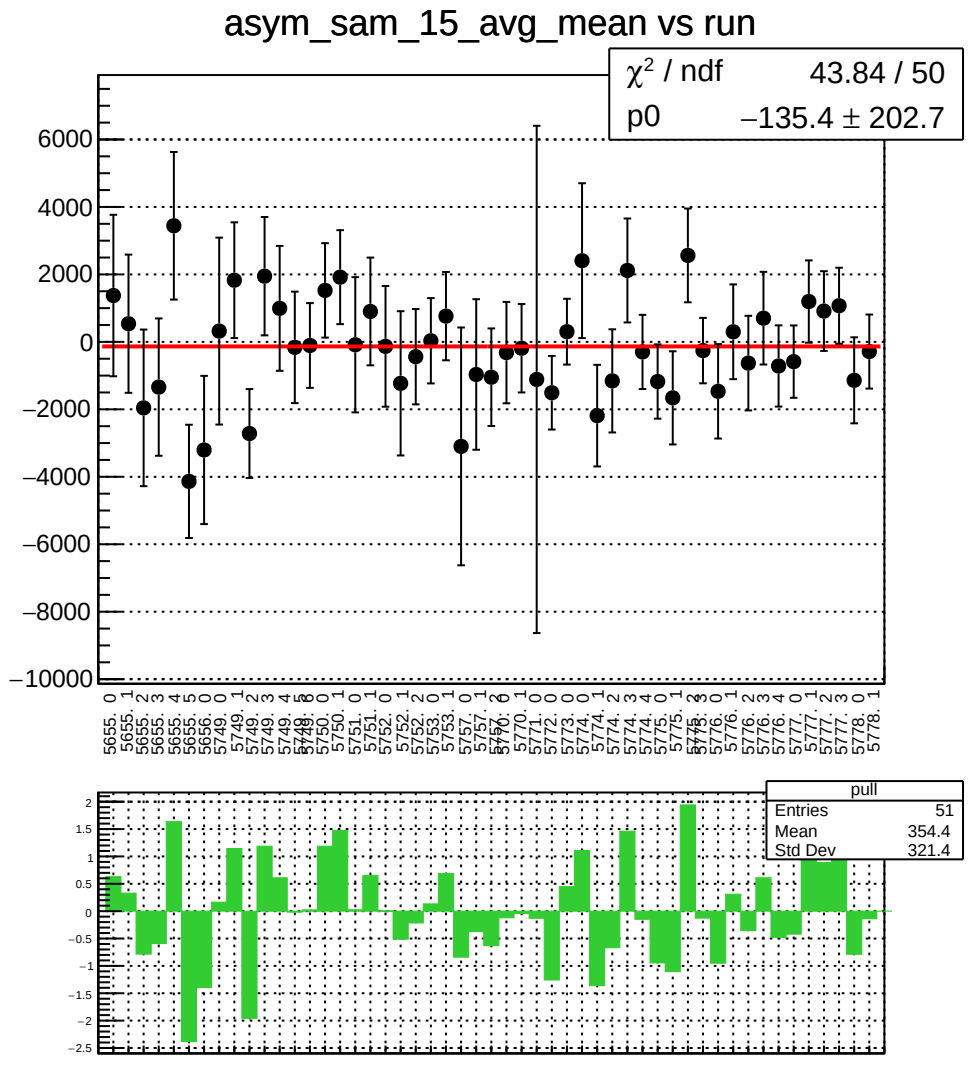

pull1D
Entries 51
Mean −0.04498
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

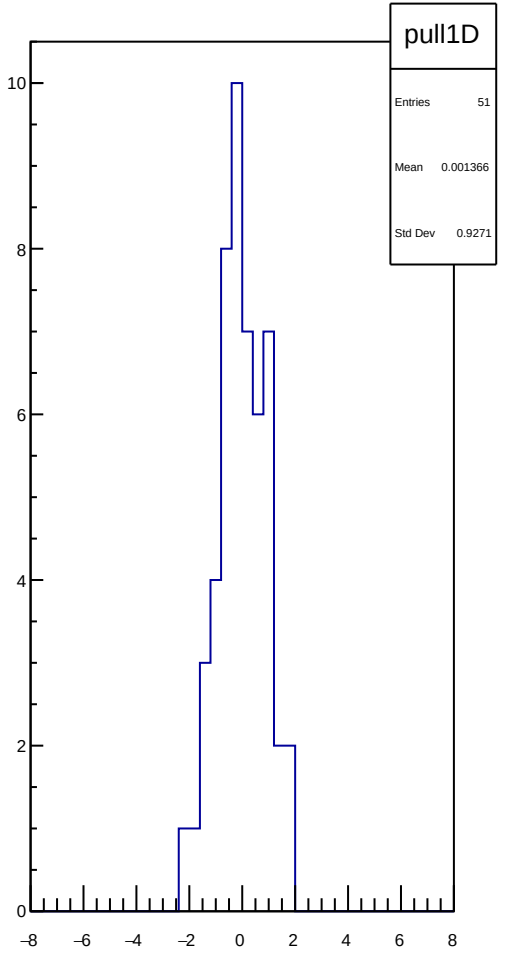

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.103e+05 / 50
p0 65.47 ± 0.06776
300
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

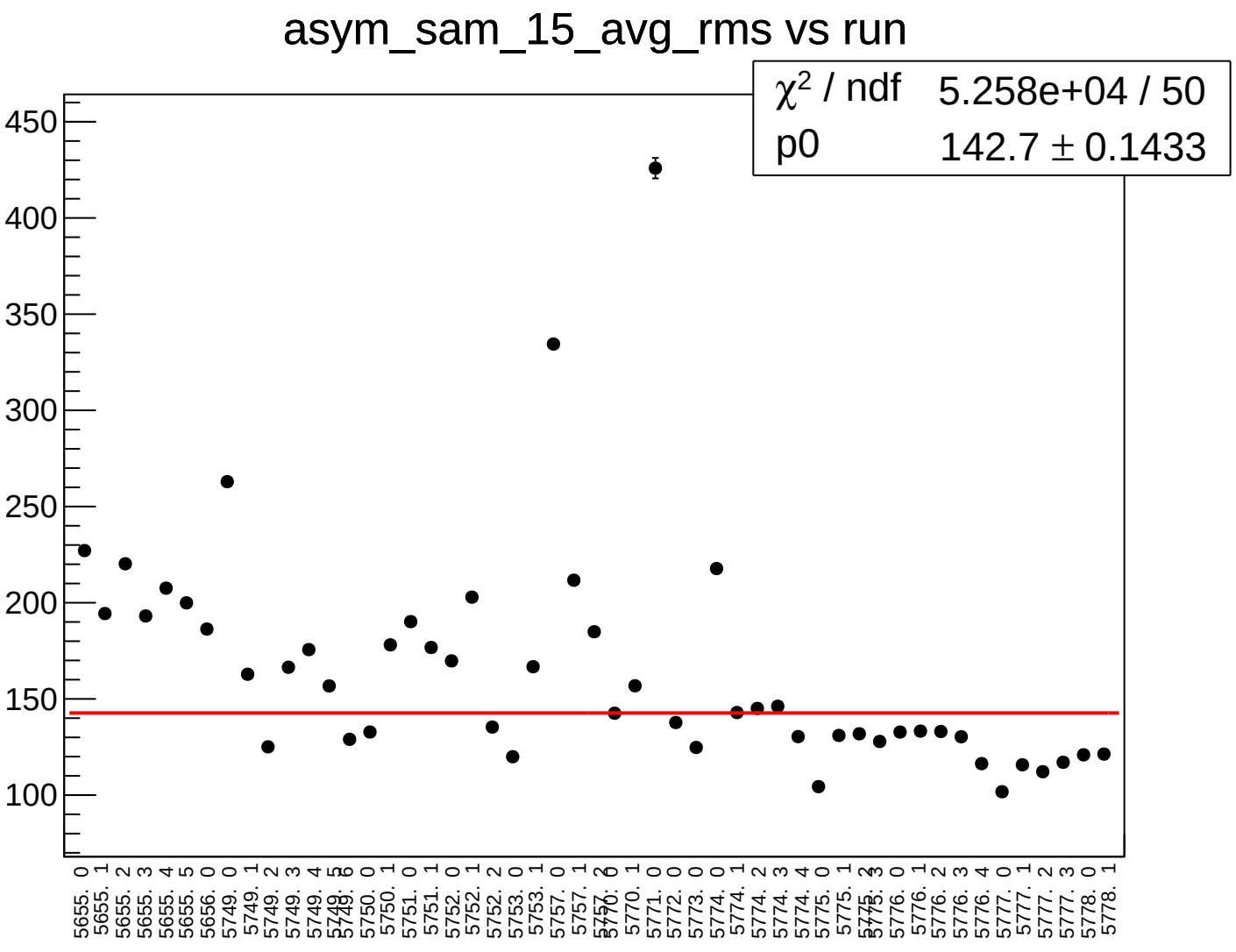

asym_sam_15_avg_correction_mean vs run
χ² / ndf 48.81 / 50
p0 225.5 ± 197.5
pull
Entries 51
Mean 26.57
Std Dev 14.09

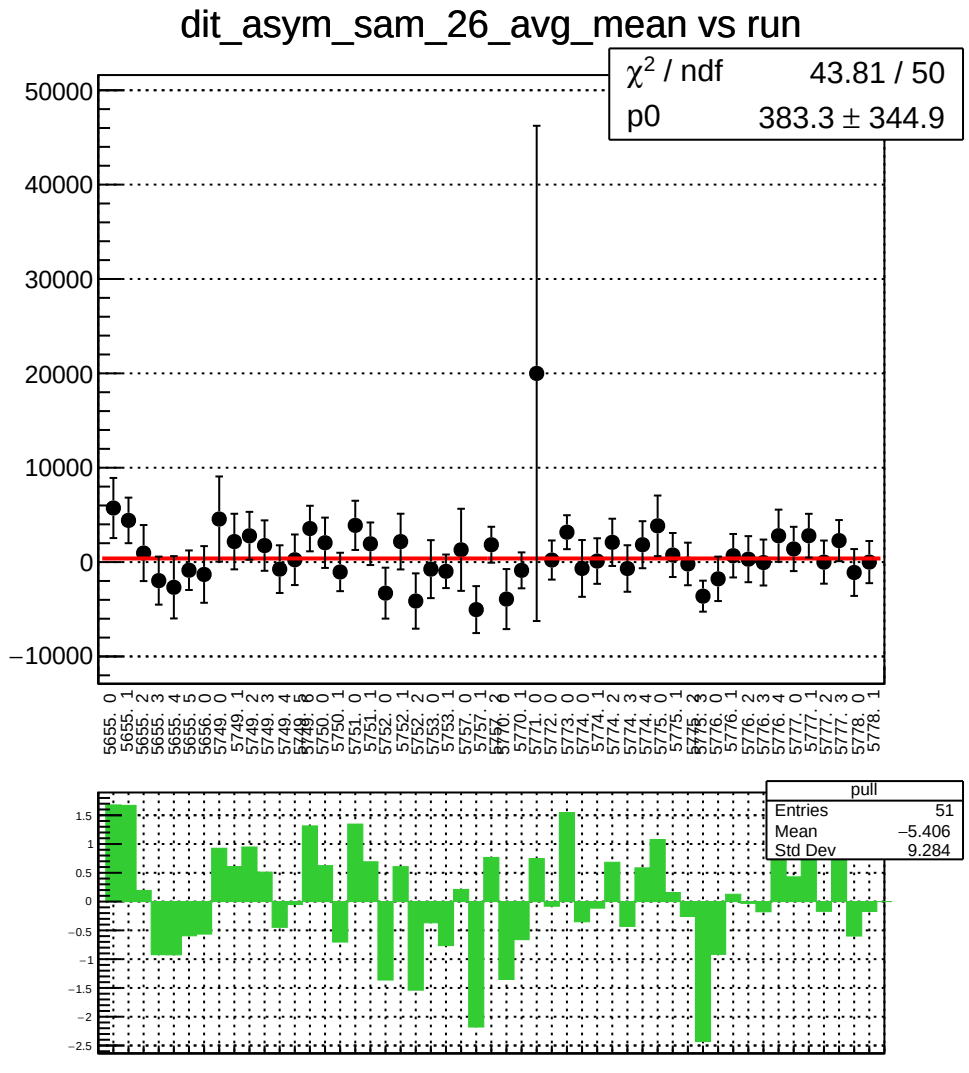

pull1D
Entries 51
Mean −0.05743
Std Dev 0.9767

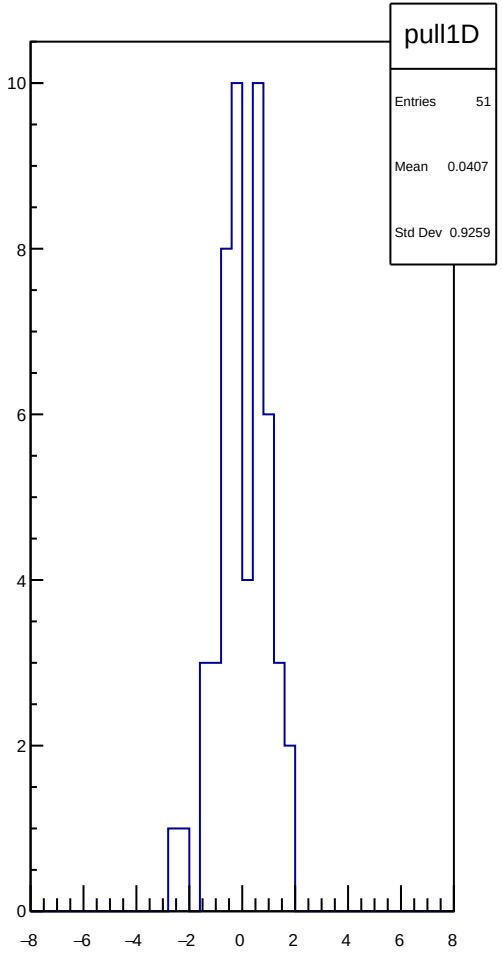

asym_sam_15_avg_correction_rms vs run
χ² / ndf 6.332e+04 / 50
p0 138.3 ± 0.1396
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

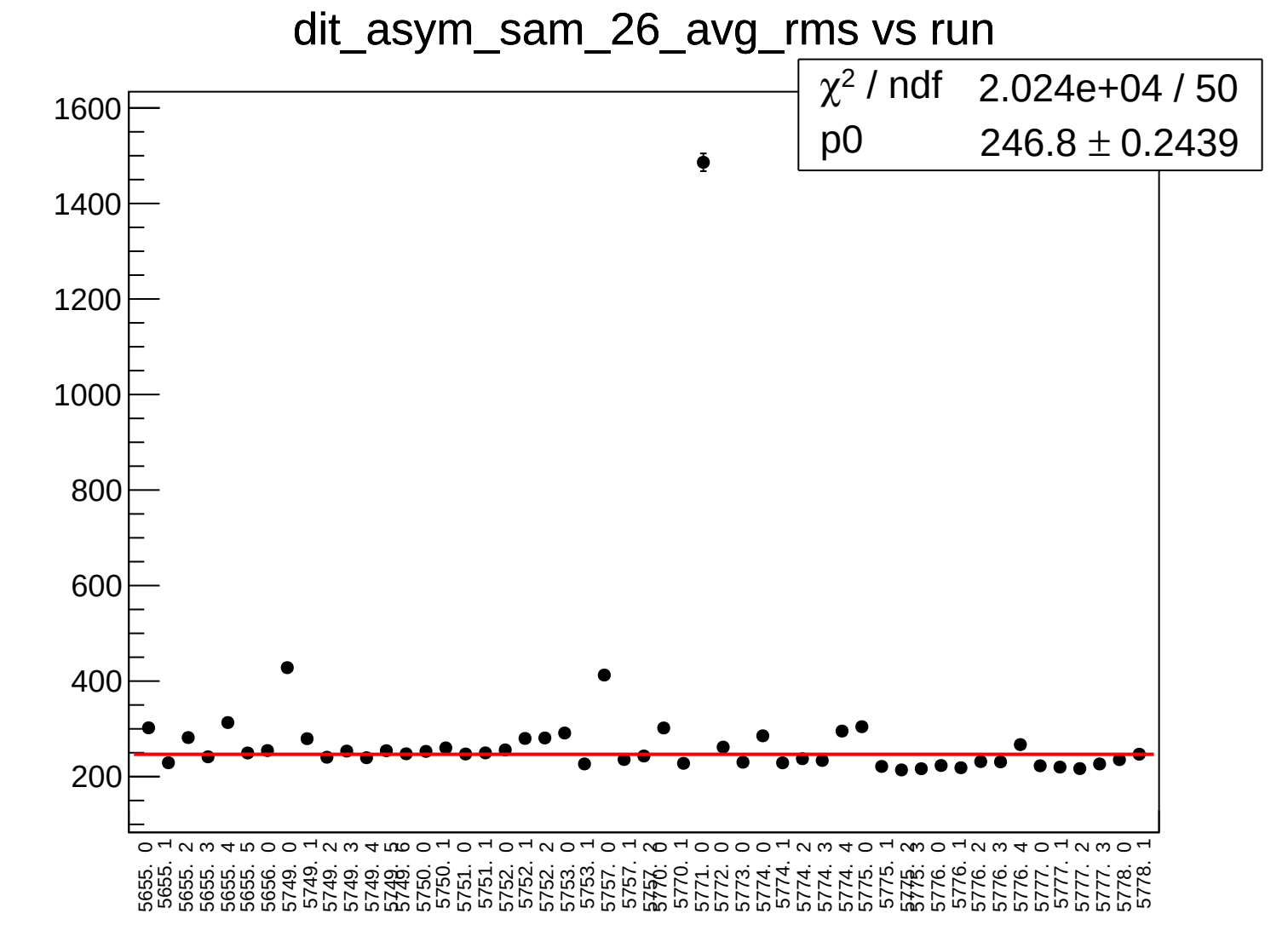

asym_sam_15_avg_mean vs run
χ² / ndf 43.84 / 50
p0 −135.4 ± 202.7
pull
Entries 51
Mean 354.4
Std Dev 321.4

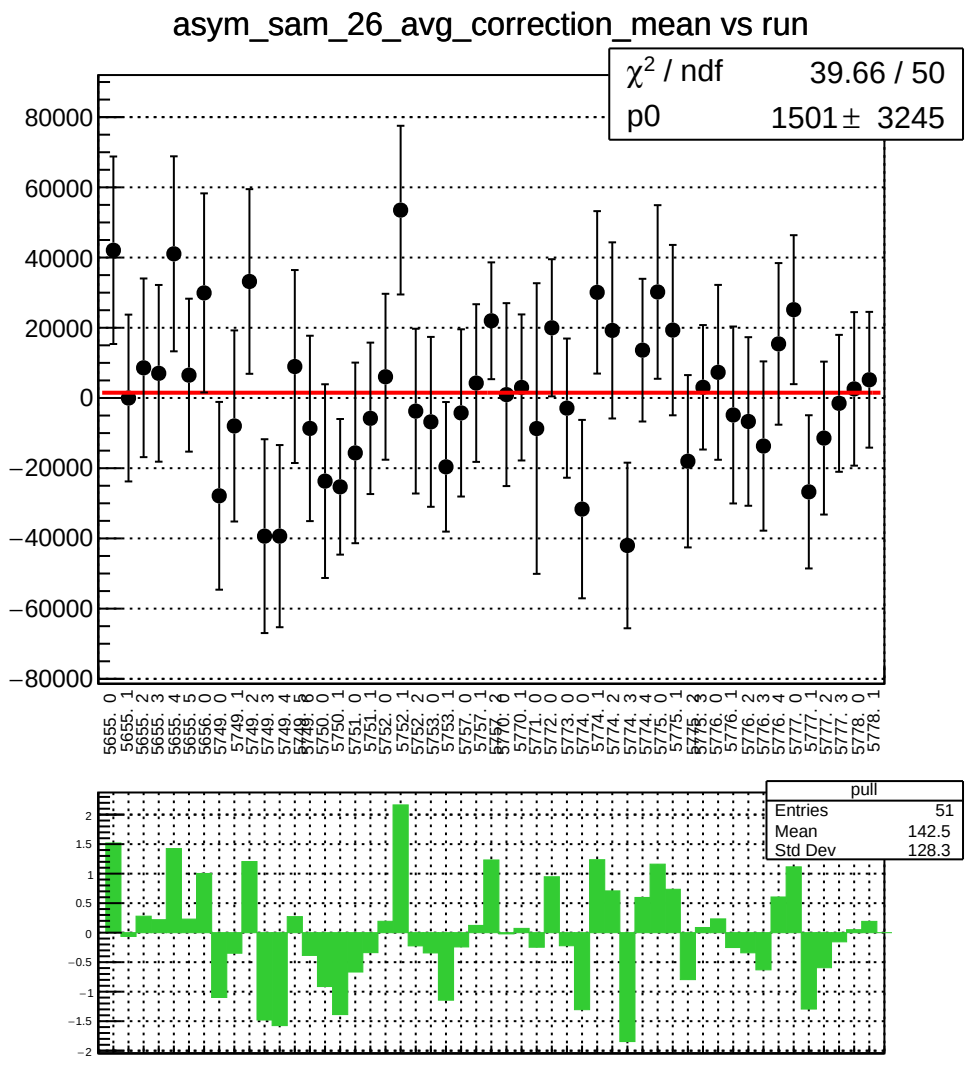

pull1D
Entries 51
Mean 0.001366
Std Dev 0.9271

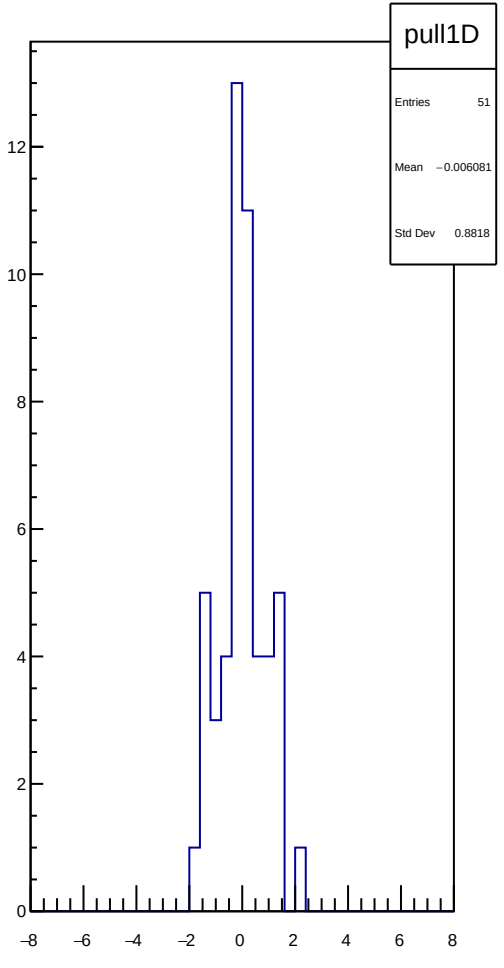

asym_sam_15_avg_rms vs run
χ^2 / ndf 5.258e+04 / 50
p0 142.7 ± 0.1433
450
400
350
300
250
200
150
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

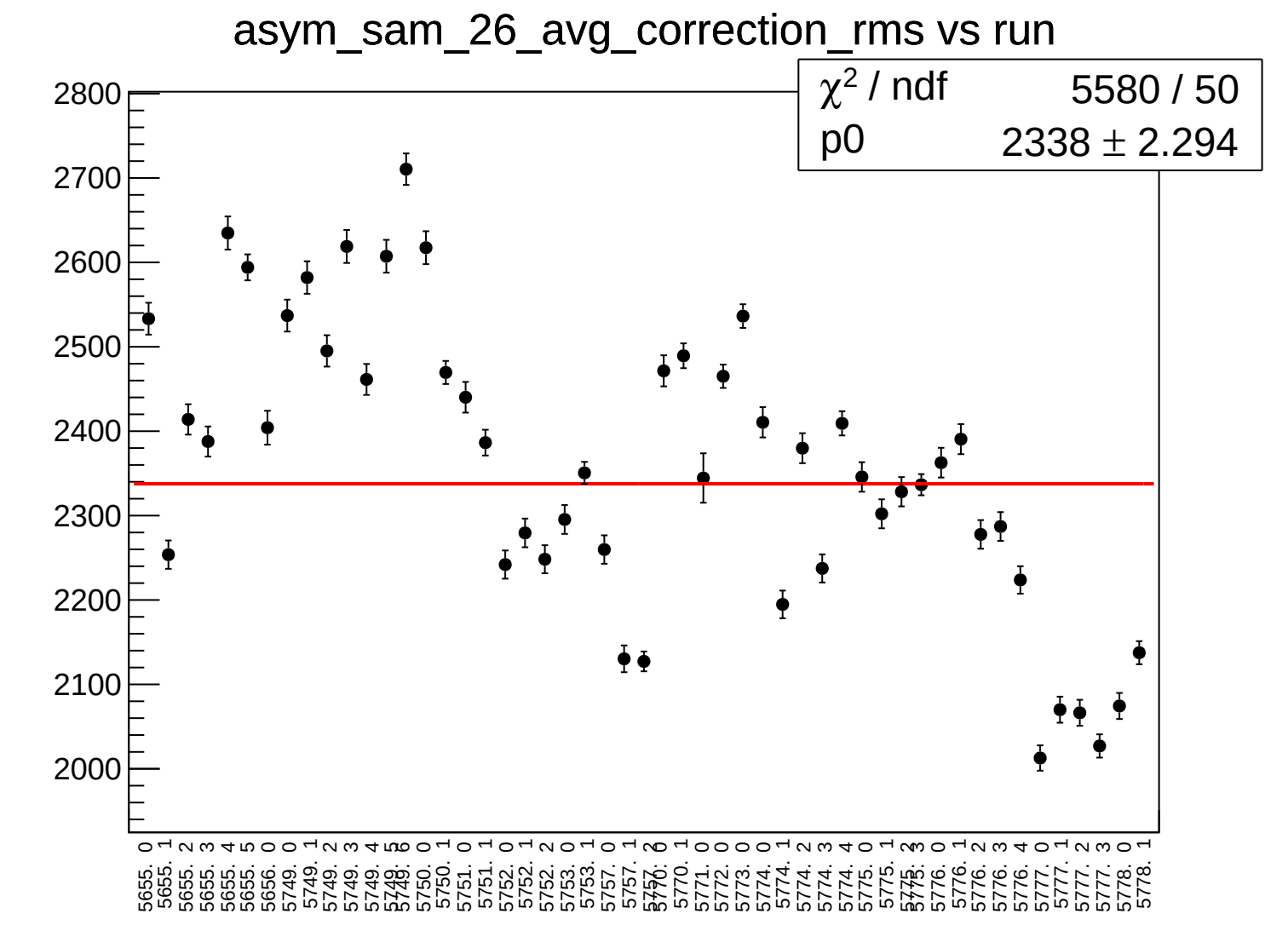

dit_asym_sam_26_avg_mean vs run
χ² / ndf 43.81 / 50
p0 383.3 ± 344.9
pull
Entries 51
Mean −5.406
Std Dev 9.284

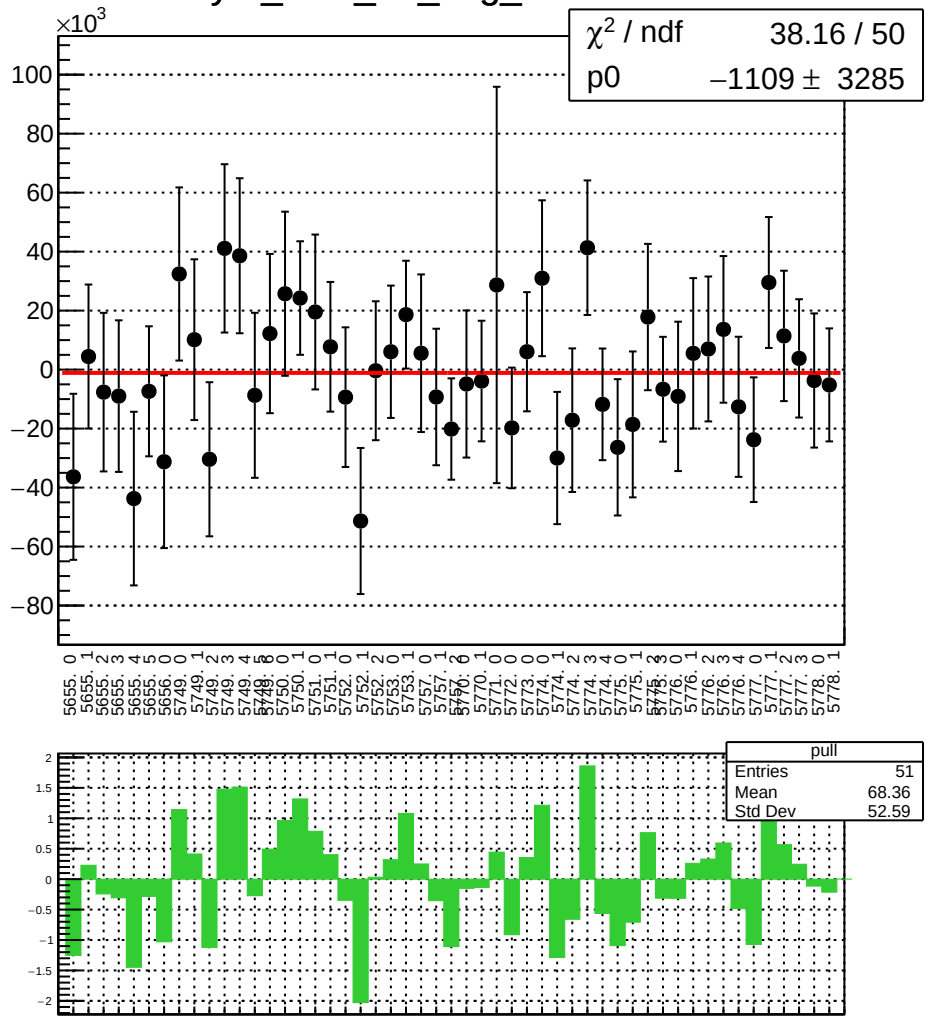

pull1D
Entries 51
Mean 0.0407
Std Dev 0.9259

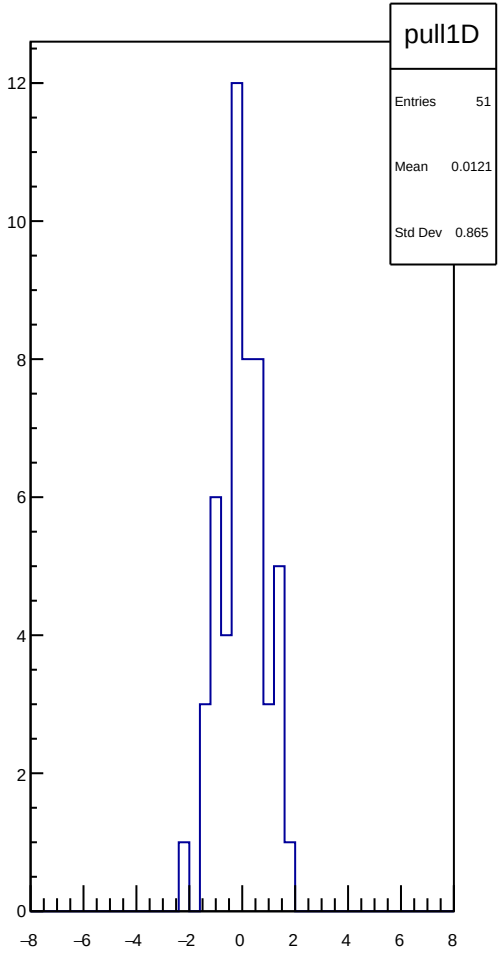

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.024e+04 / 50
p0 246.8 ± 0.2439
1600
1400
1200
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

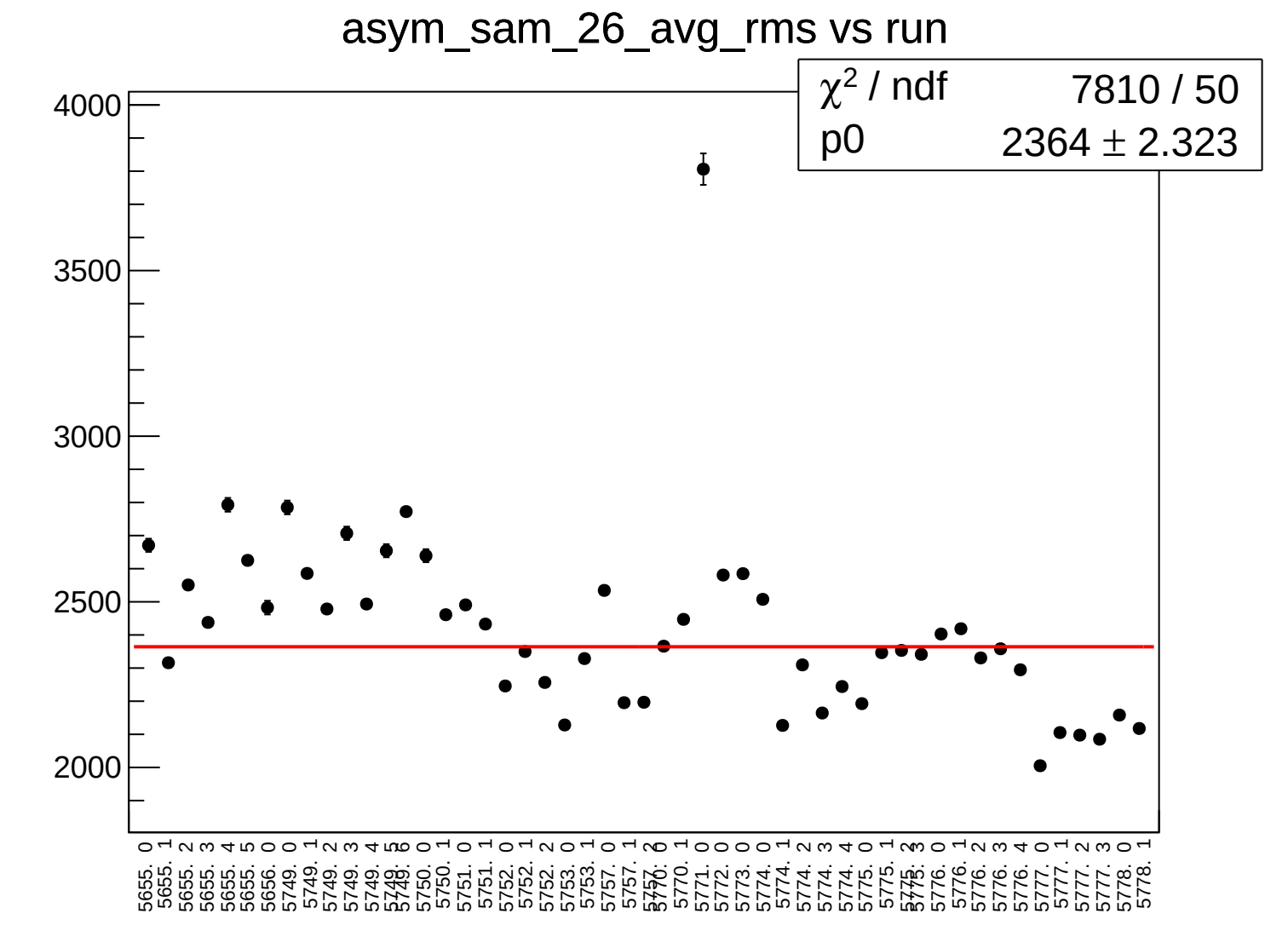

asym_sam_26_avg_correction_mean vs run
χ² / ndf 39.66 / 50
p0 1501 ± 3245
pull
Entries 51
Mean 142.5
Std Dev 128.3

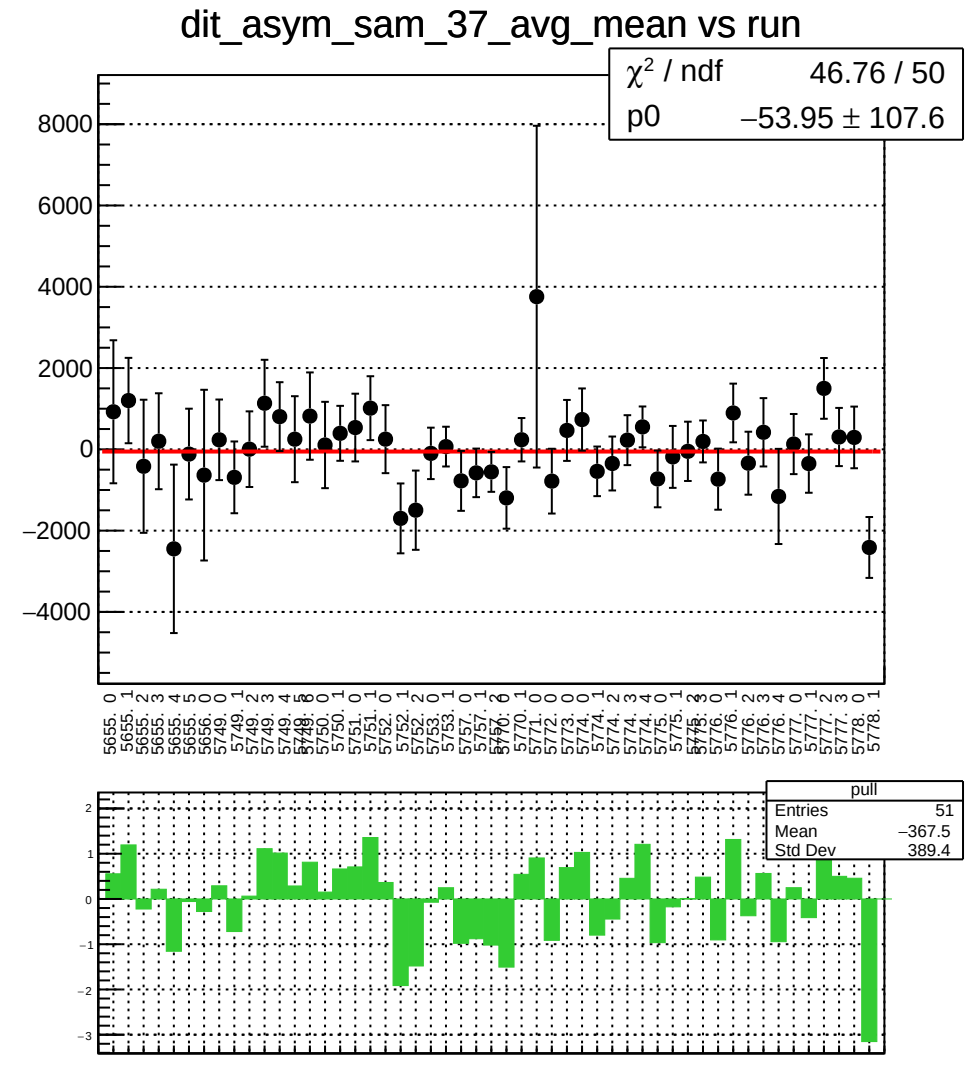

pull1D
Entries 51
Mean −0.006081
Std Dev 0.8818

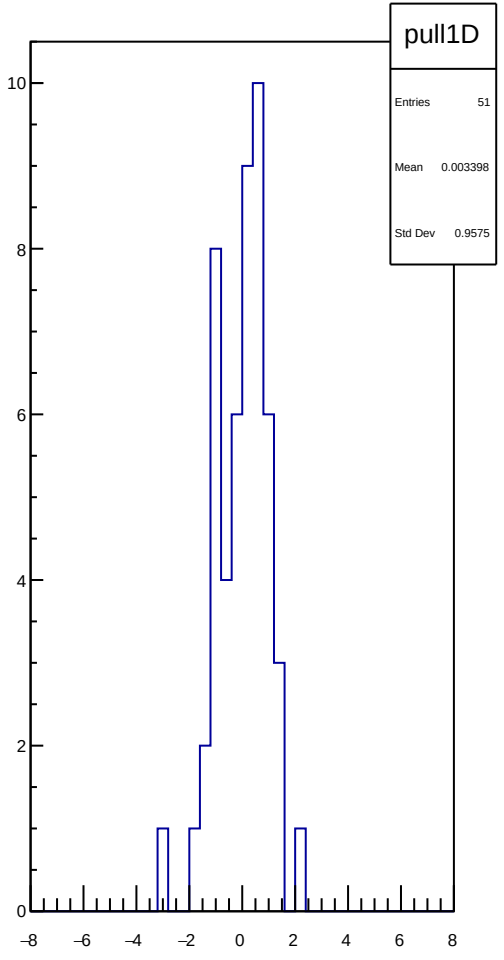

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5580 / 50
p0 2338 ± 2.294
2800
2700
2600
2500
2400
2300
2200
2100
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

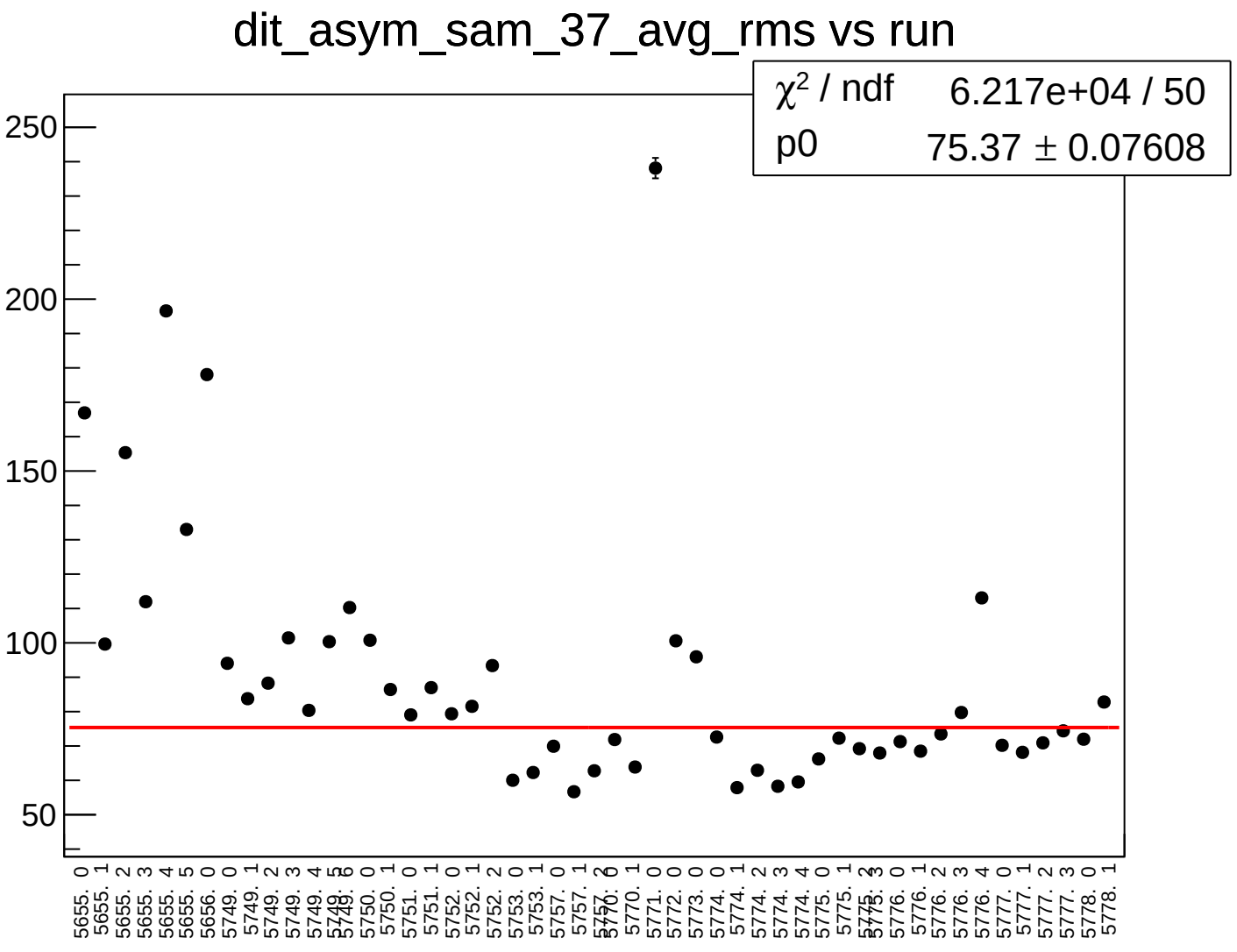

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 38.16 / 50
p0 −1109 ± 3285
pull
Entries 51
Mean 68.36
Std Dev 52.59

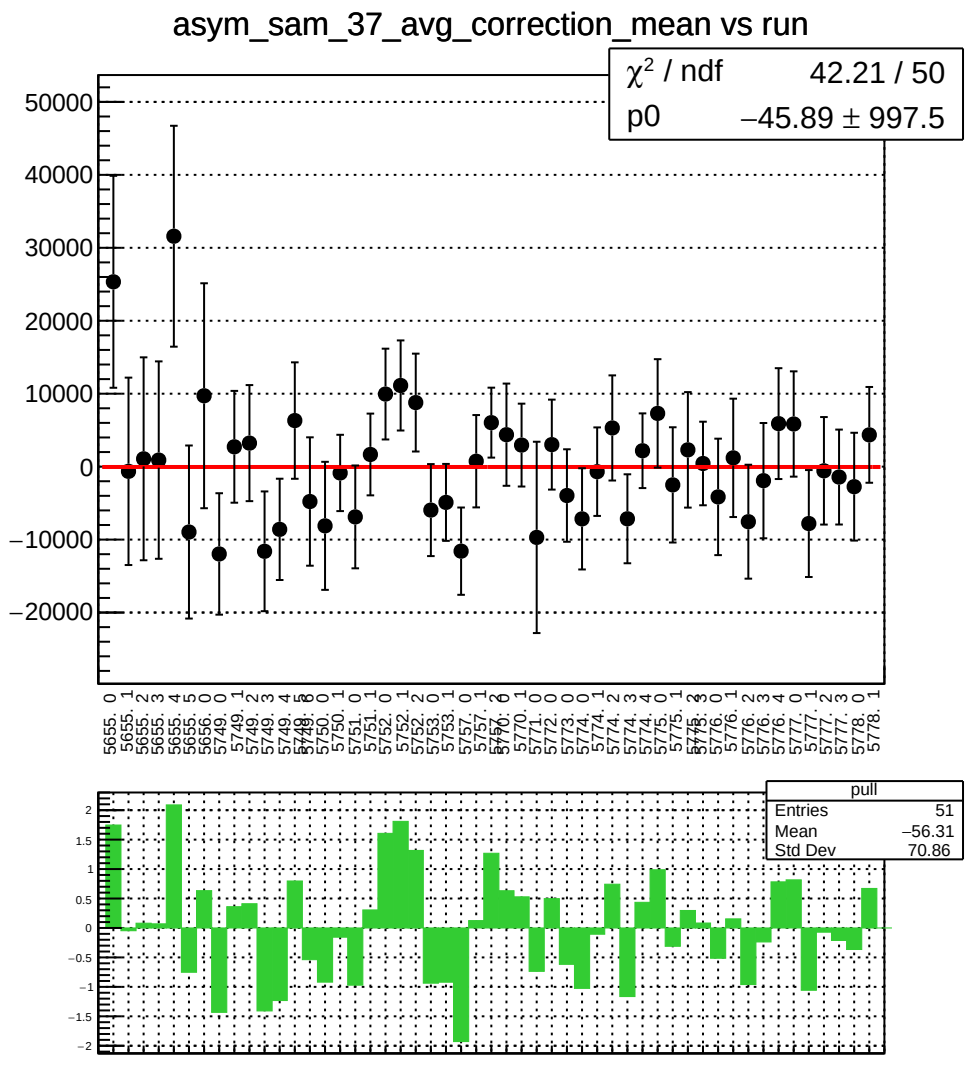

pull1D
Entries 51
Mean 0.0121
Std Dev 0.865

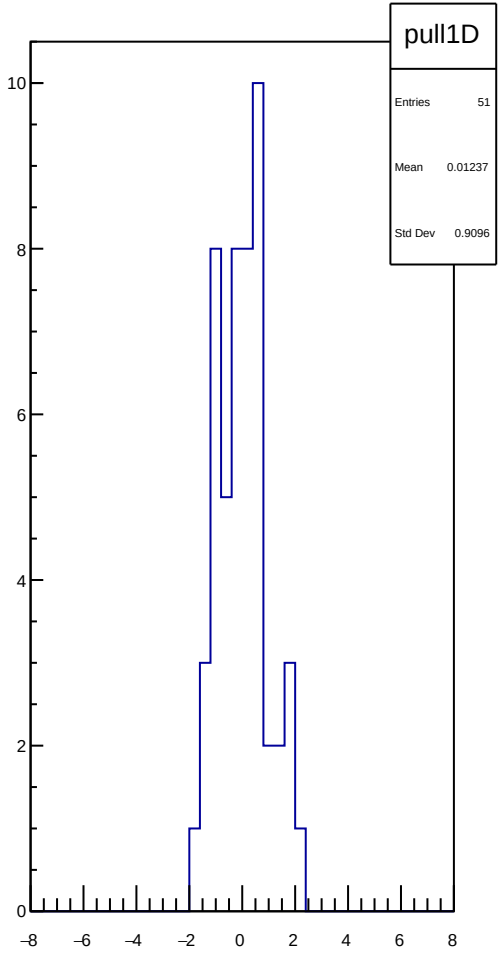

asym_sam_26_avg_rms vs run
χ² / ndf 7810 / 50
p0 2364 ± 2.323
4000
3500
3000
2500
2000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 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

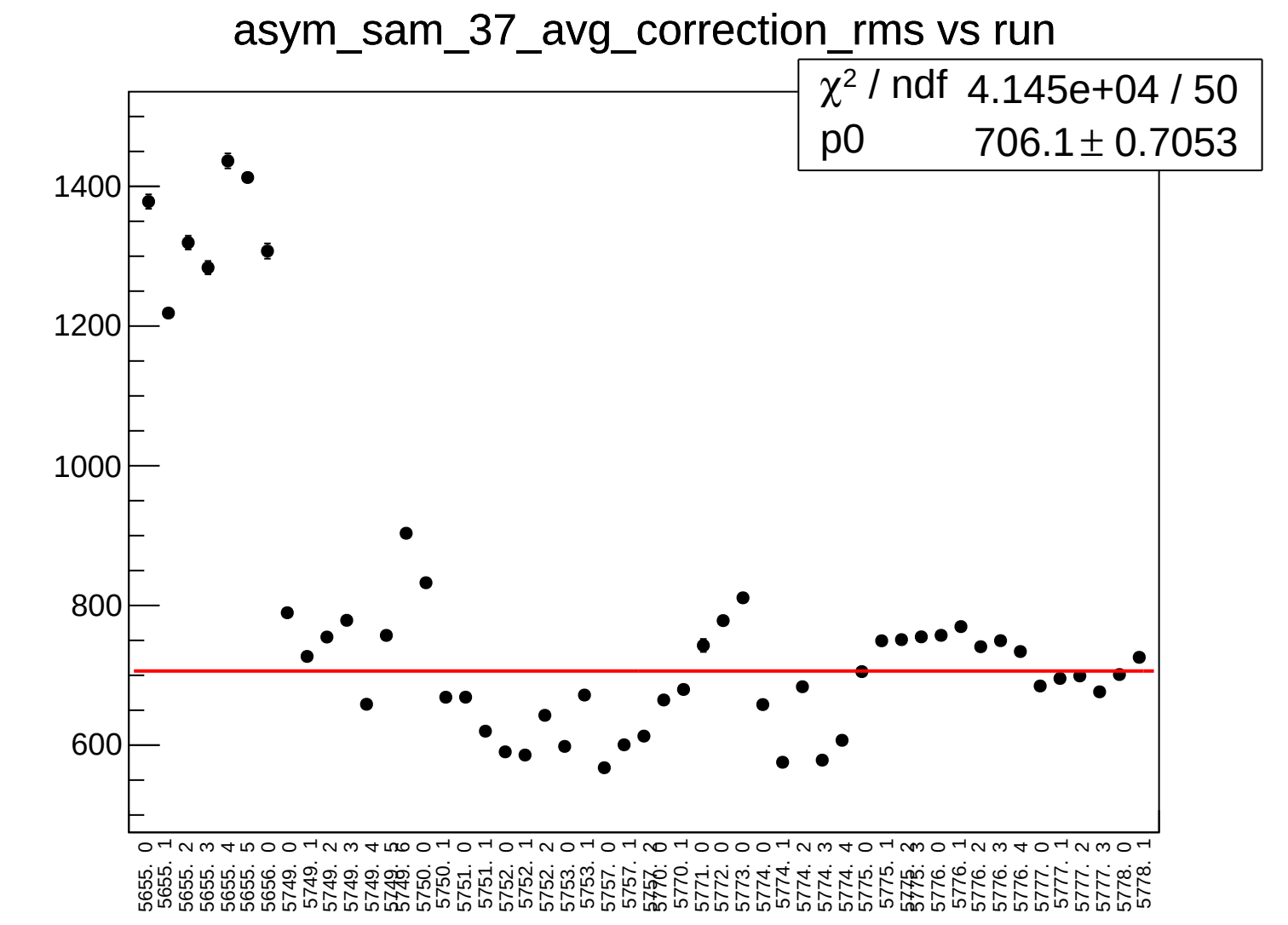

dit_asym_sam_37_avg_mean vs run
χ² / ndf 46.76 / 50
p0 −53.95 ± 107.6
pull
Entries 51
Mean −367.5
Std Dev 389.4

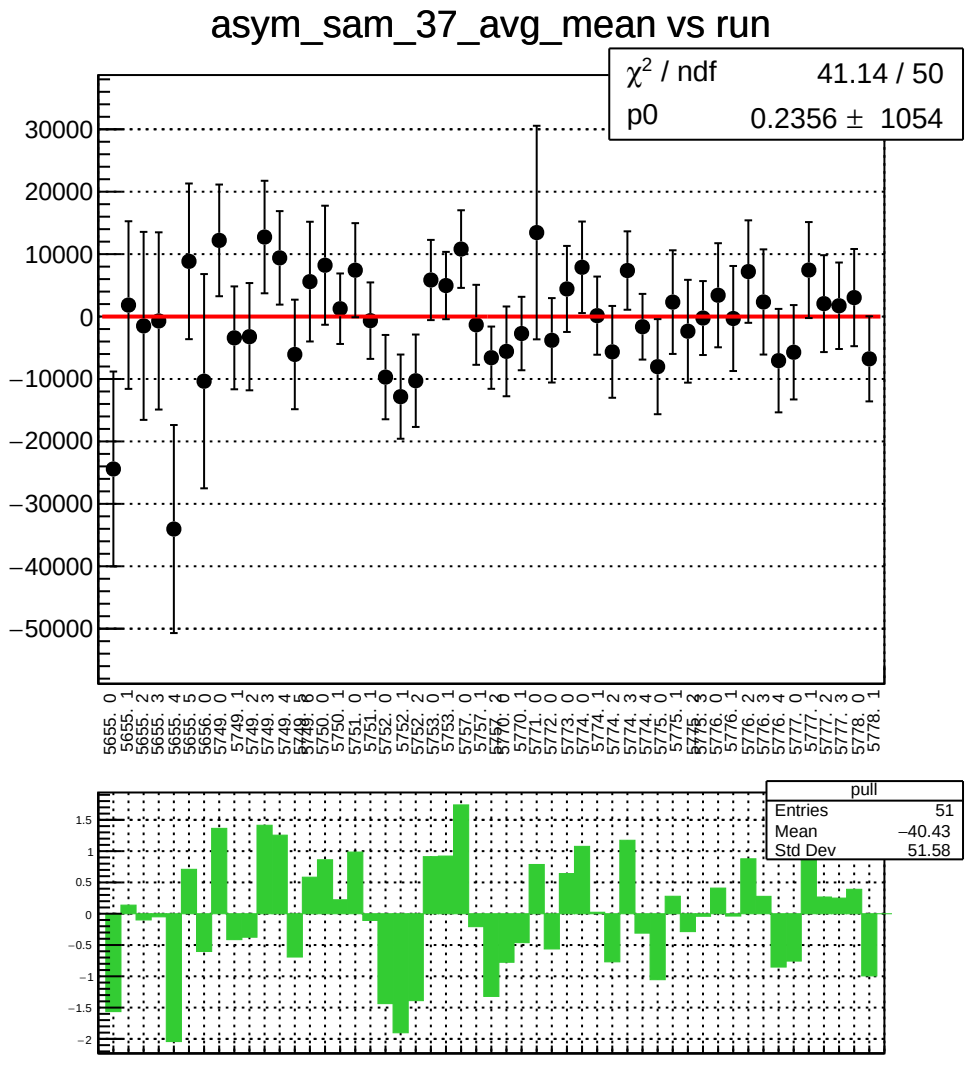

pull1D
Entries 51
Mean 0.003398
Std Dev 0.9575

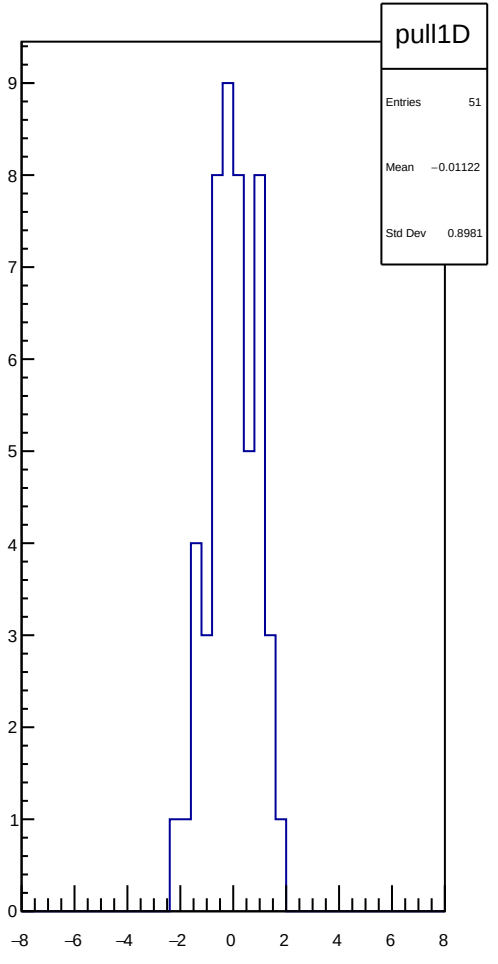

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6.217e+04 / 50
p0 75.37 ± 0.07608
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
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

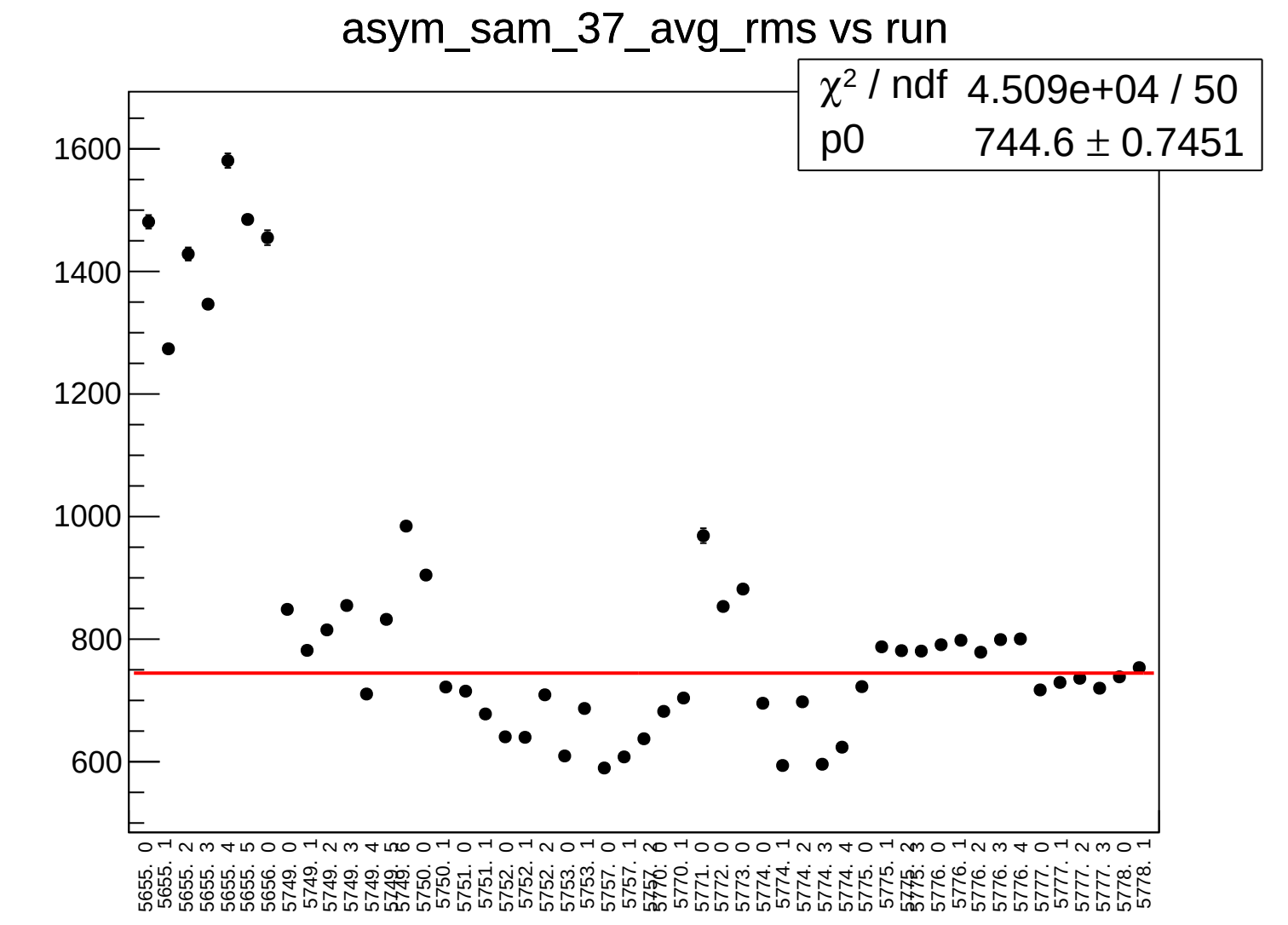

asym_sam_37_avg_correction_mean vs run
χ² / ndf 42.21 / 50
p0 −45.89 ± 997.5
pull
Entries 51
Mean −56.31
Std Dev 70.86

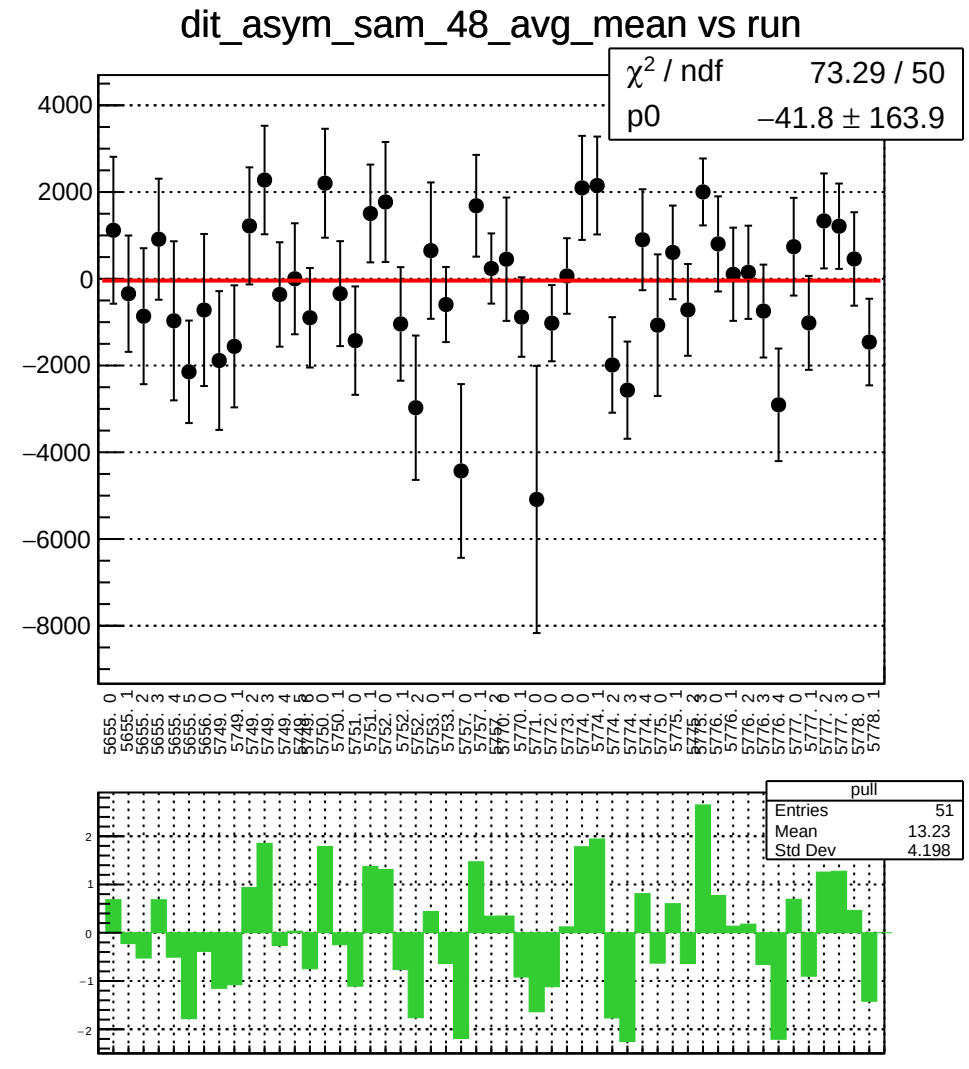

pull1D
Entries 51
Mean 0.01237
Std Dev 0.9096

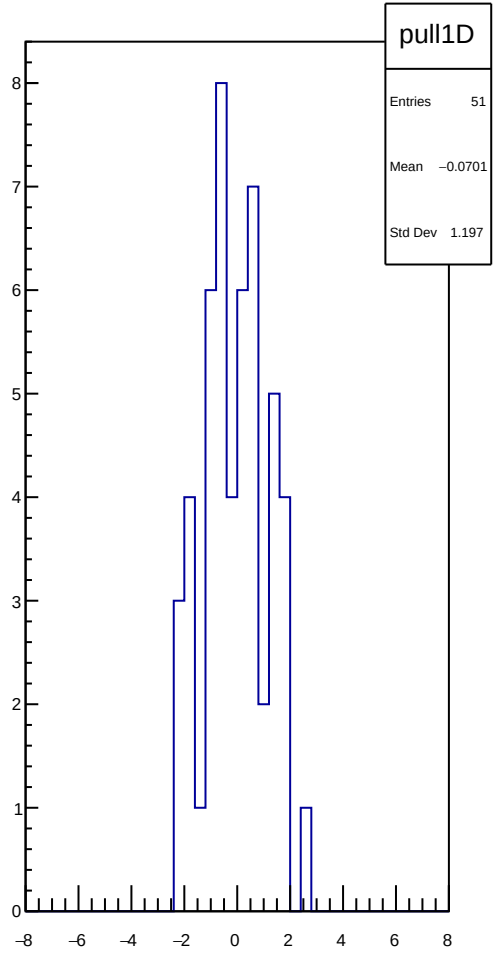

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4.145e+04 / 50
p0 706.1 ± 0.7053
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

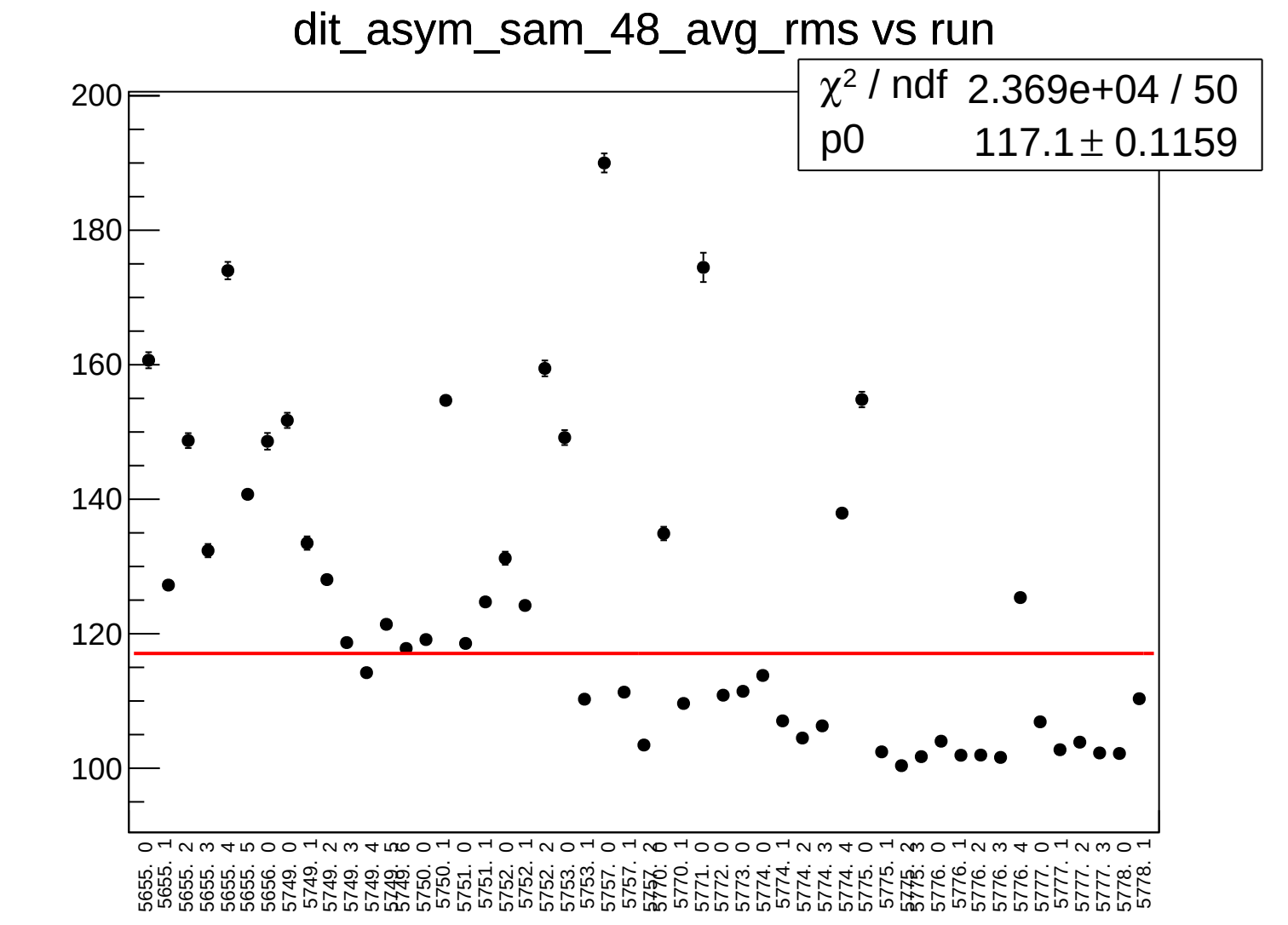

asym_sam_37_avg_mean vs run
χ² / ndf 41.14 / 50
p0 0.2356 ± 1054
pull
Entries 51
Mean −40.43
Std Dev 51.58

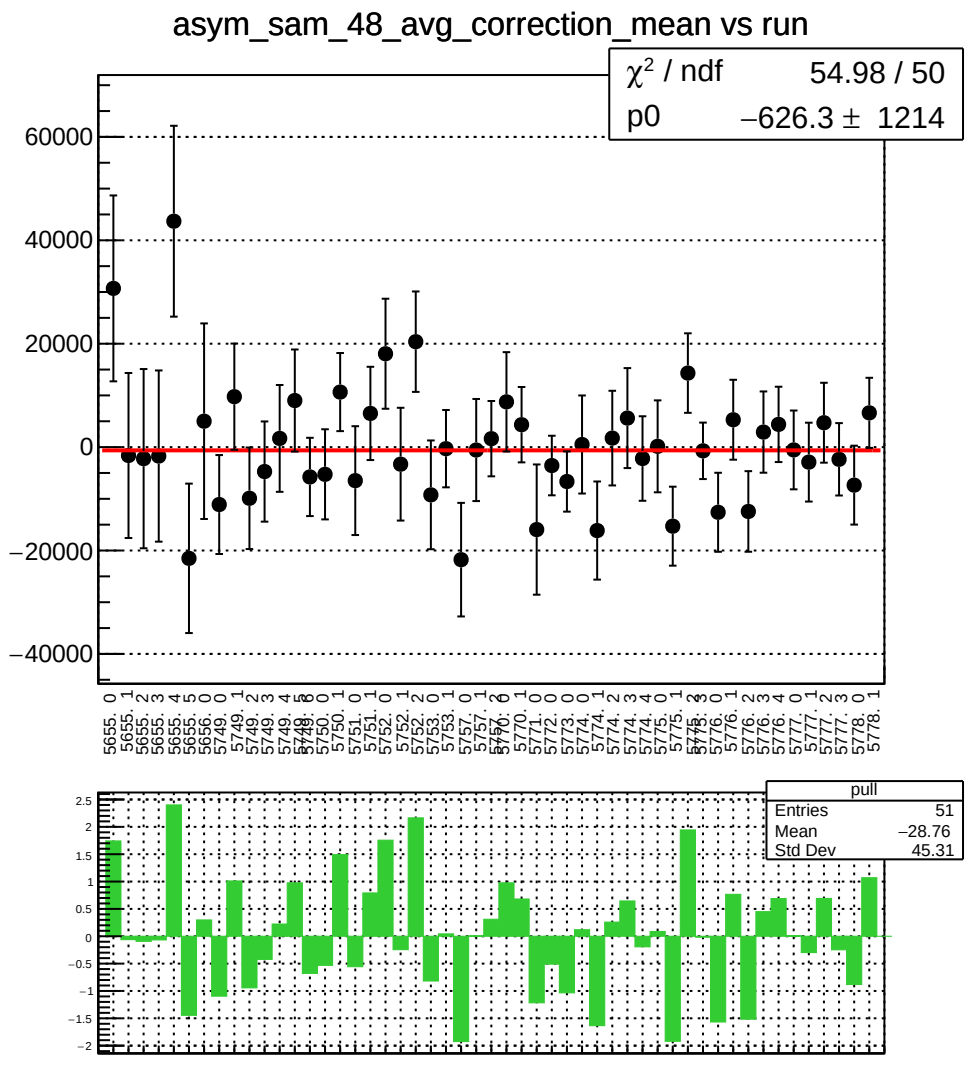

pull1D
Entries 51
Mean −0.01122
Std Dev 0.8981

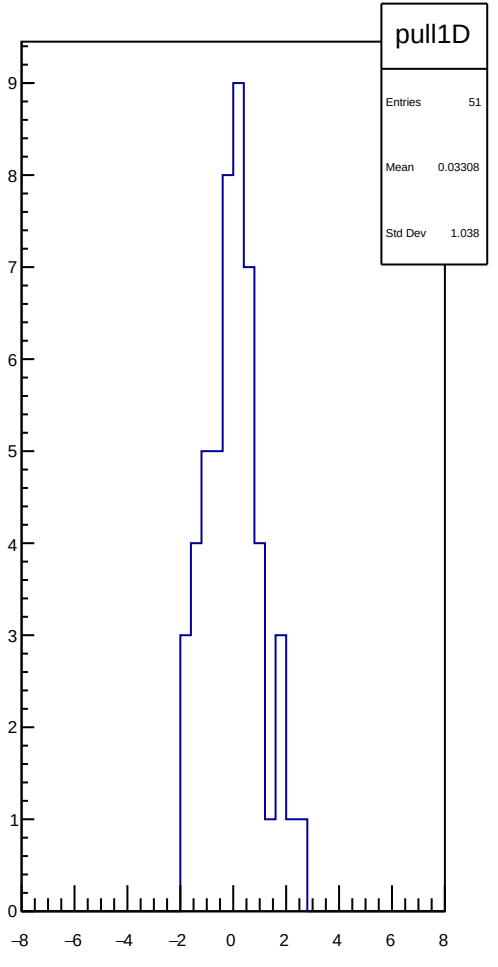

asym_sam_37_avg_rms vs run
χ² / ndf 4.509e+04 / 50
p0 744.6 ± 0.7451
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

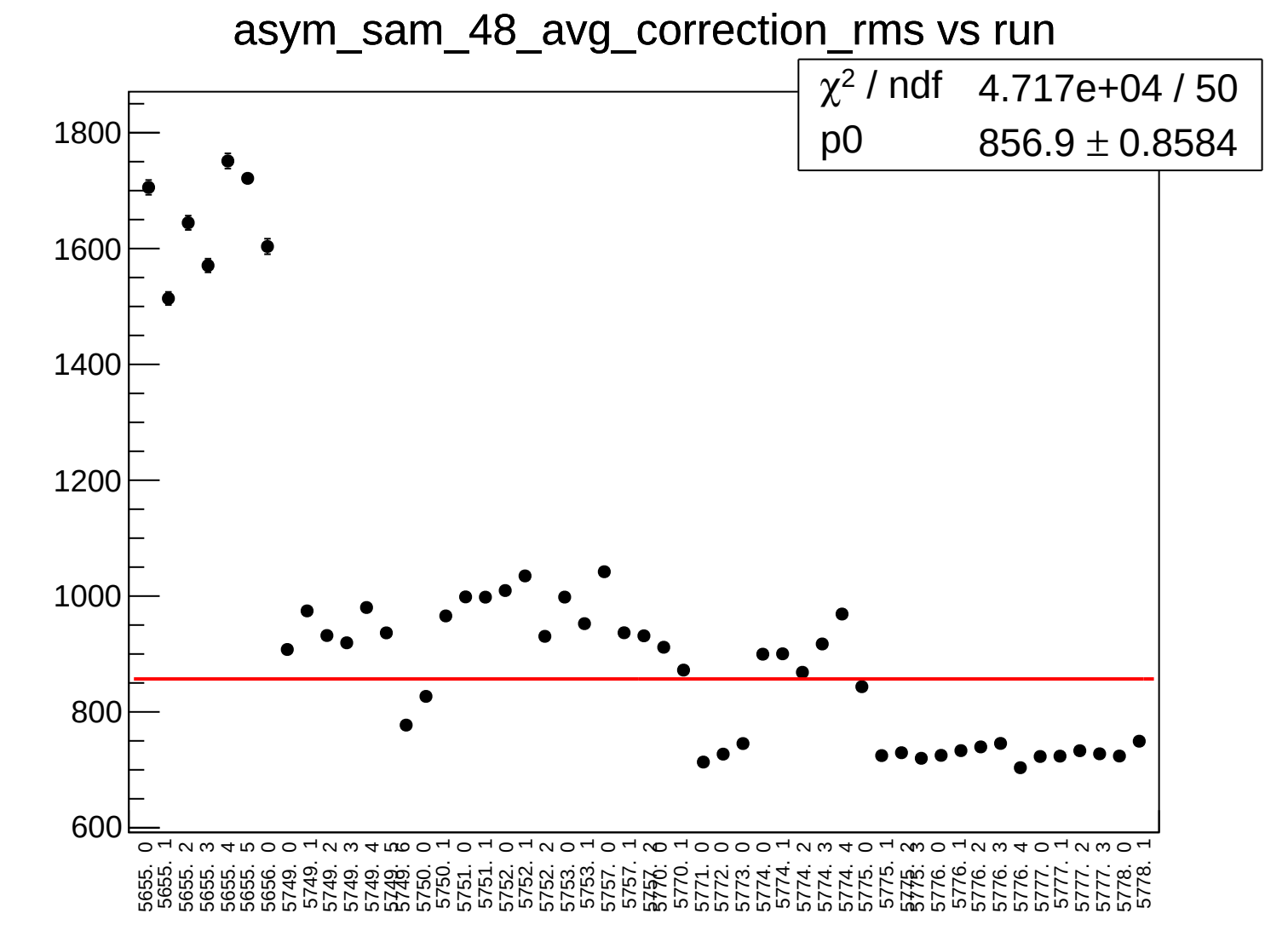

dit_asym_sam_48_avg_mean vs run
χ² / ndf 73.29 / 50
p0 −41.8 ± 163.9
pull
Entries 51
Mean 13.23
Std Dev 4.198

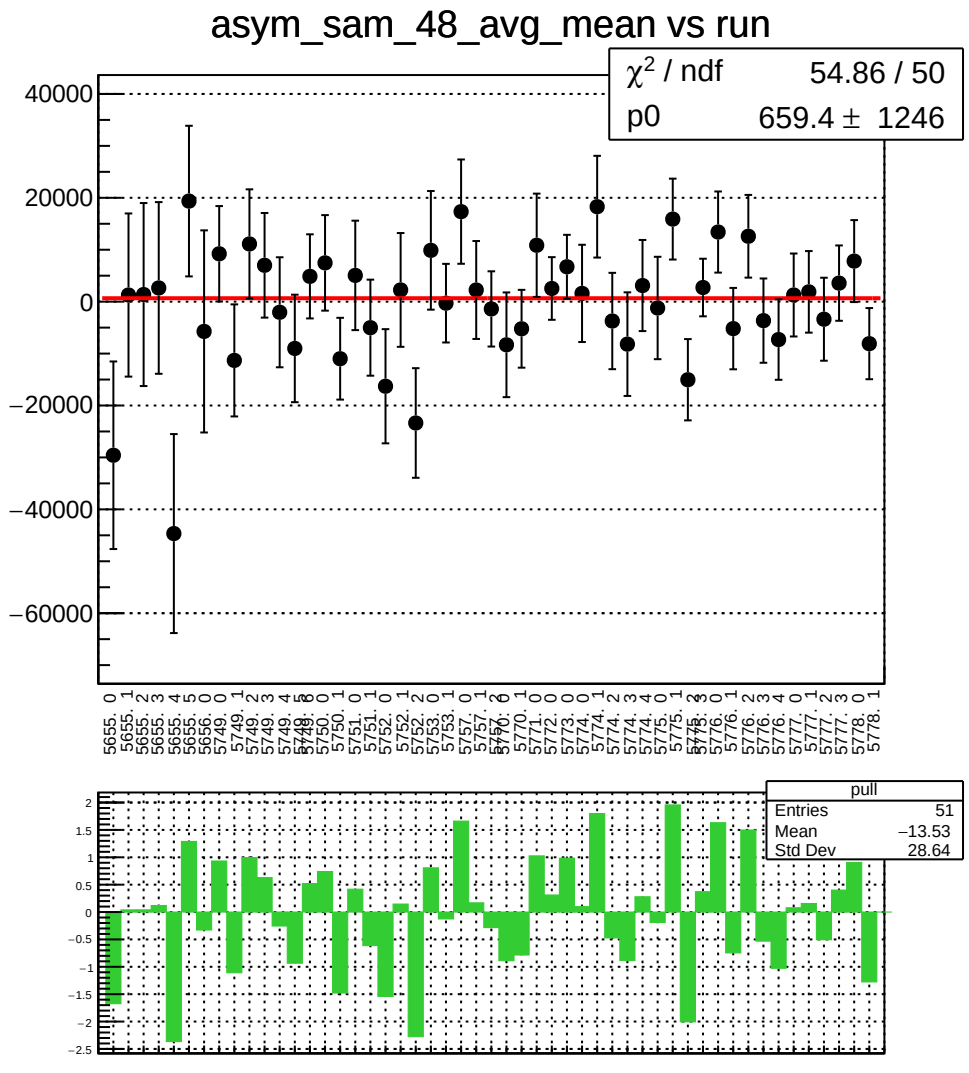

pull1D
Entries 51
Mean −0.0701
Std Dev 1.197

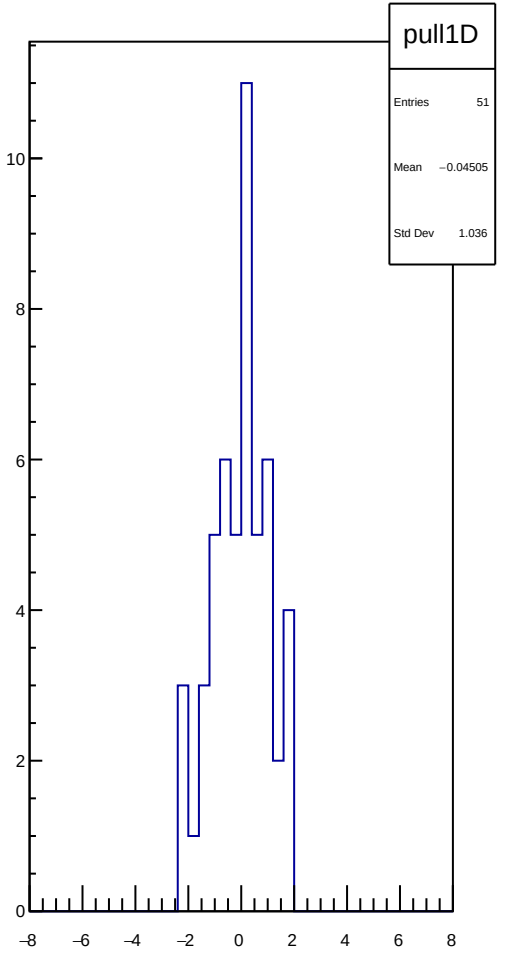

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.369e+04 / 50
p0 117.1 ± 0.1159
200
180
160
140
120
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

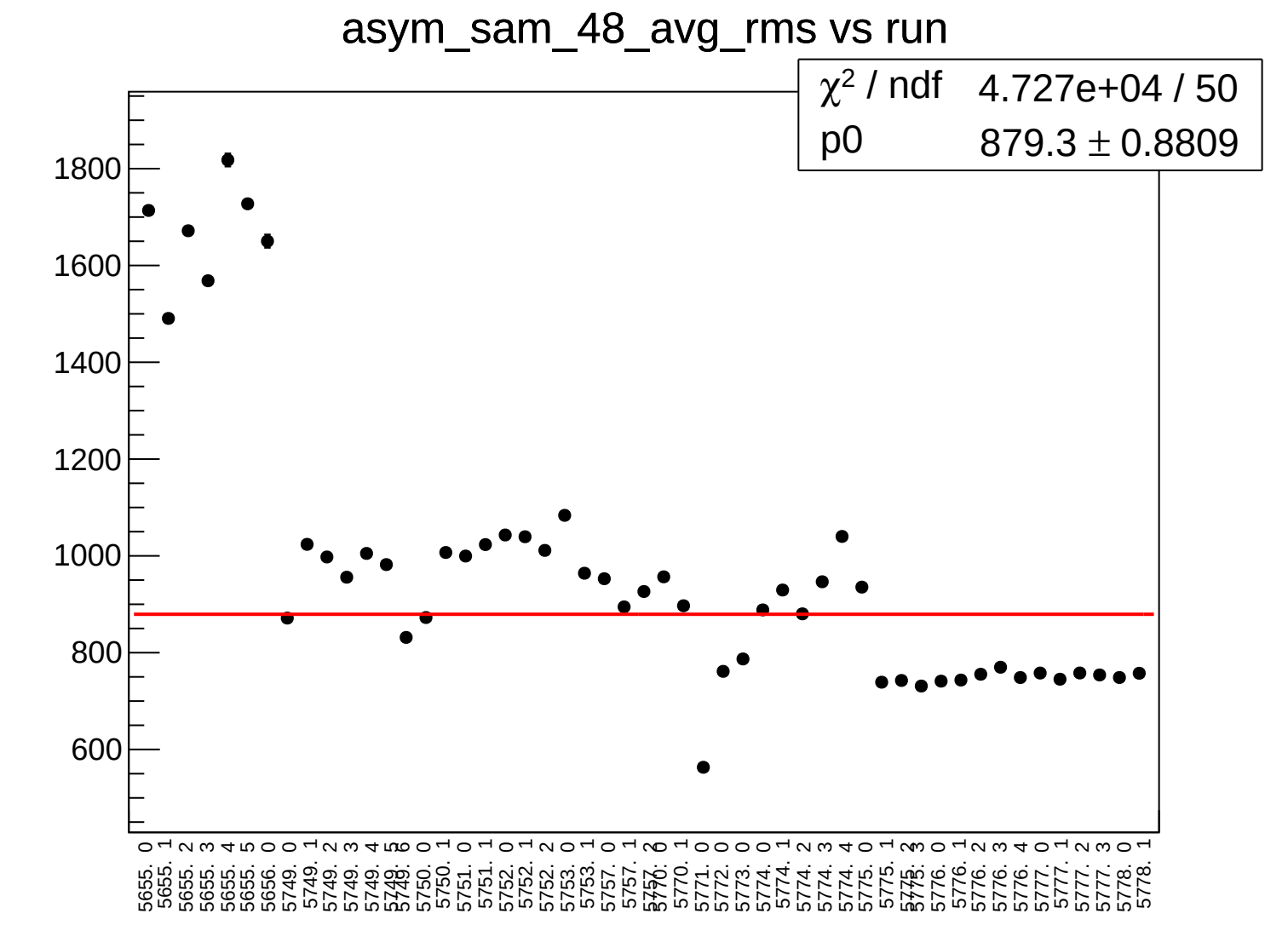

asym_sam_48_avg_correction_mean vs run
χ² / ndf 54.98 / 50
p0 −626.3 ± 1214
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −28.76
Std Dev 45.31
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

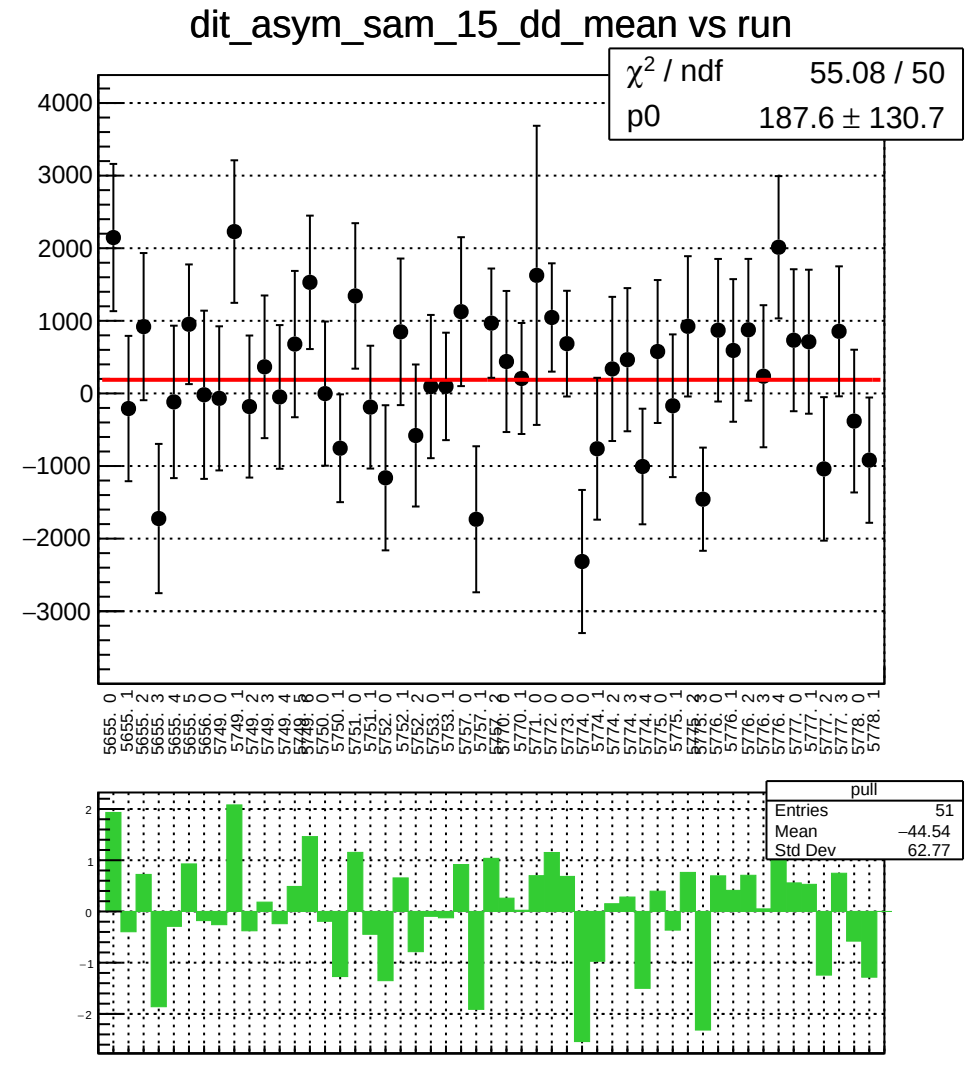

pull1D
Entries 51
Mean 0.03308
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

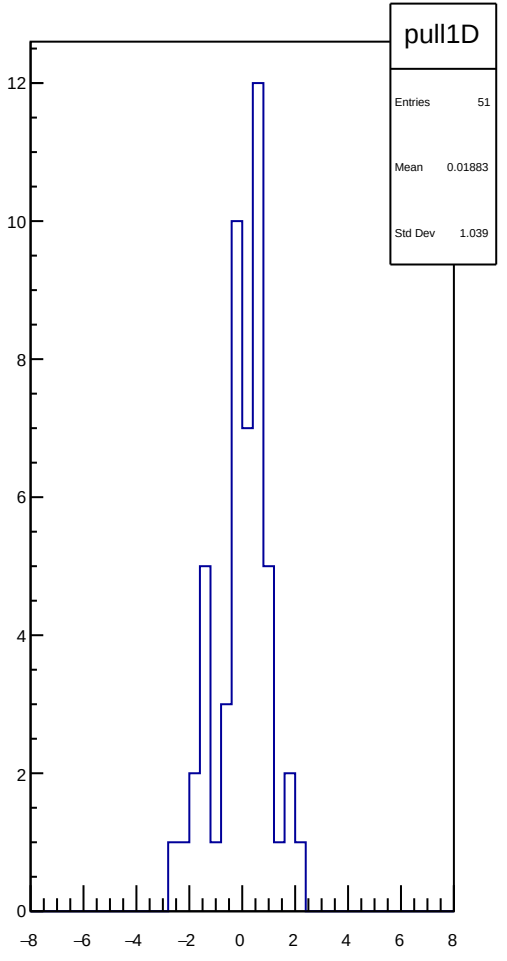

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4.717e+04 / 50
p0 856.9 ± 0.8584
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

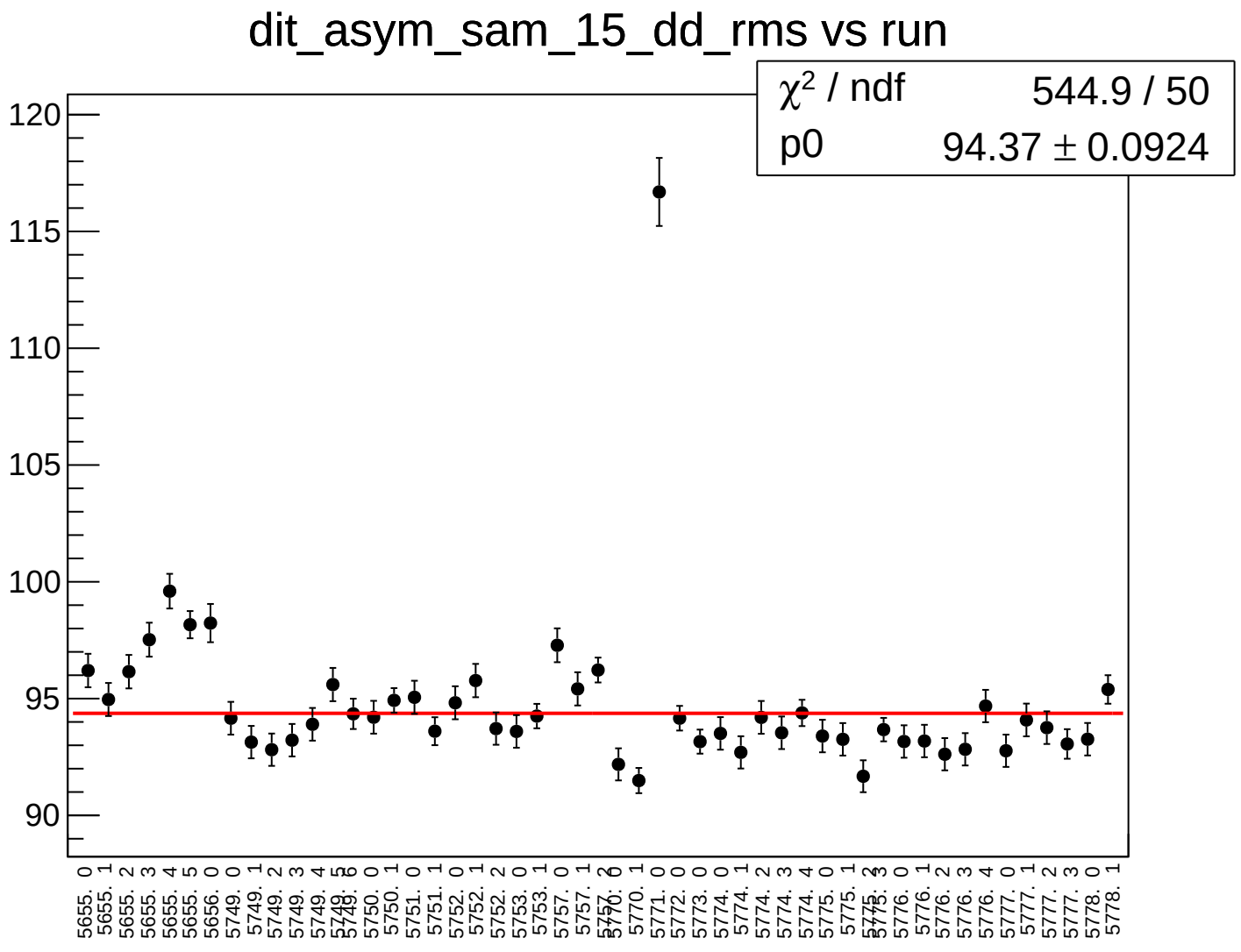

asym_sam_48_avg_mean vs run
χ² / ndf 54.86 / 50
p0 659.4 ± 1246
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean −13.53
Std Dev 28.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

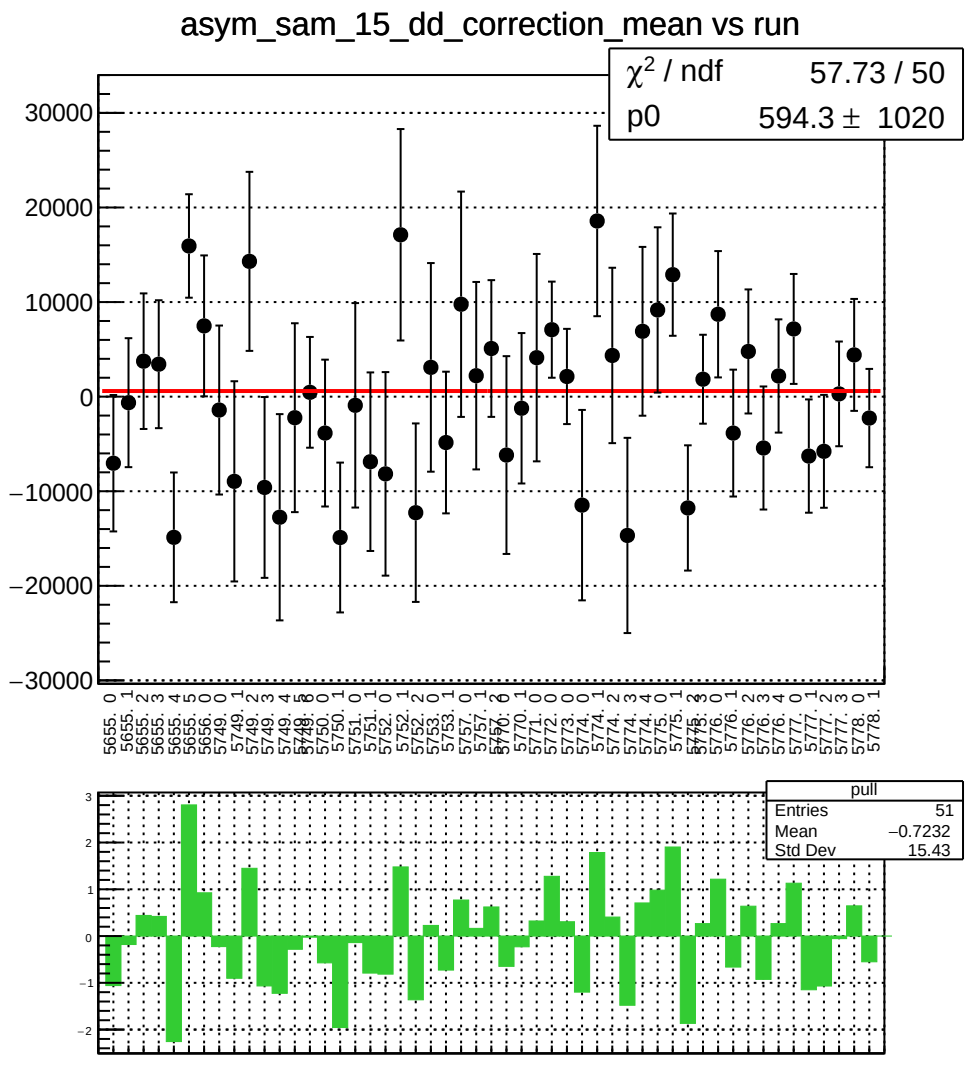

pull1D
Entries 51
Mean −0.04505
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

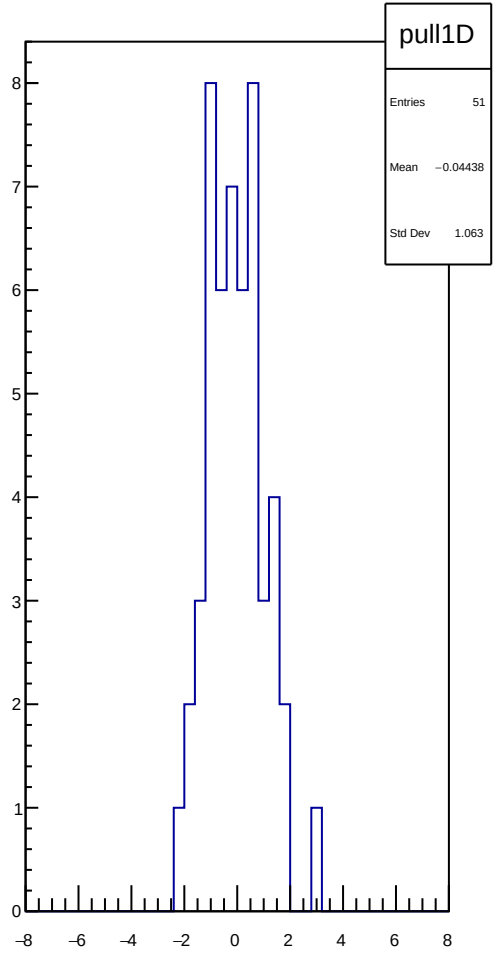

asym_sam_48_avg_rms vs run
χ² / ndf 4.727e+04 / 50
p0 879.3 ± 0.8809
1800
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

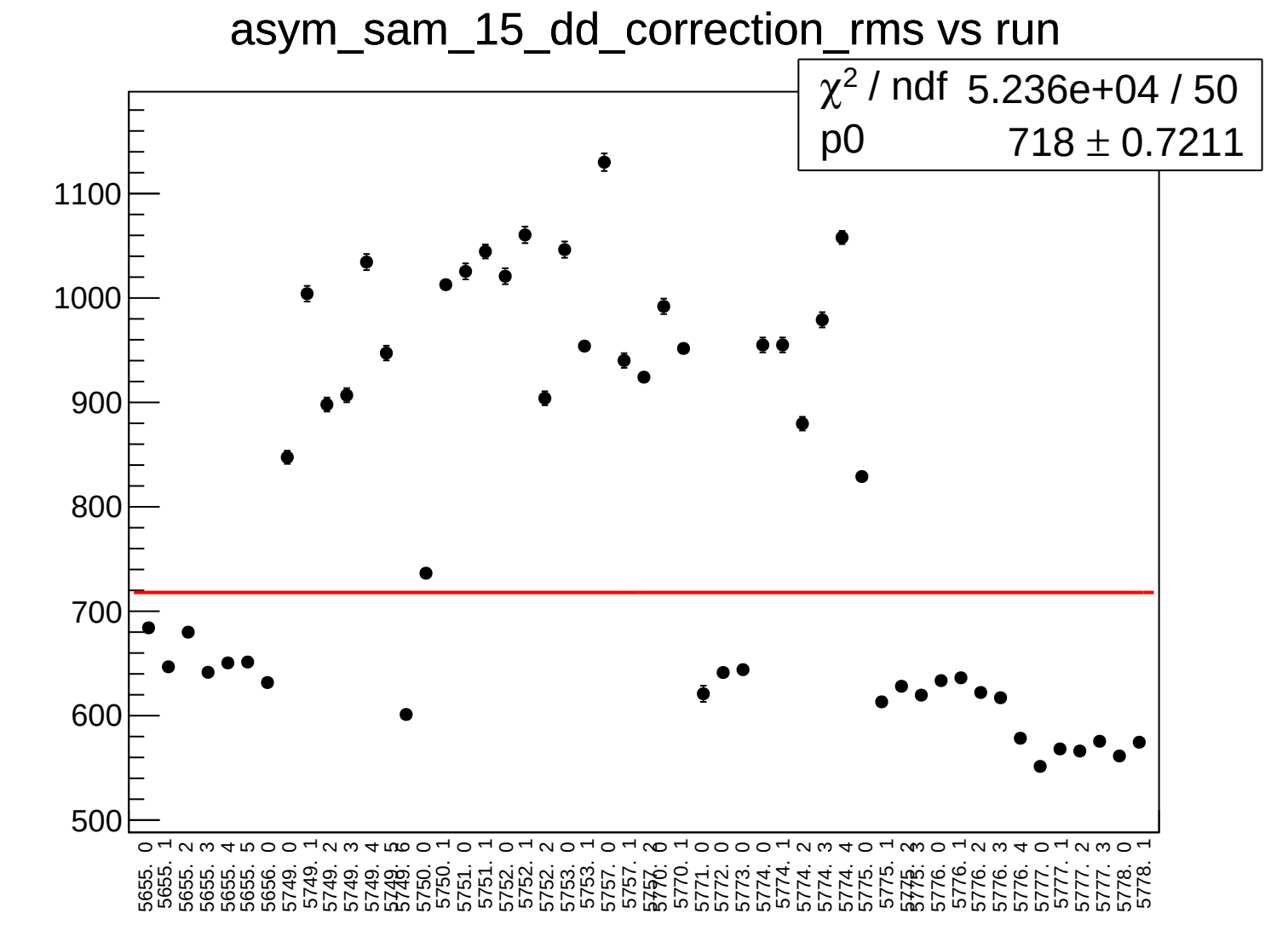

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 55.08 / 50
p0 187.6 ± 130.7
pull
Entries 51
Mean −44.54
Std Dev 62.77

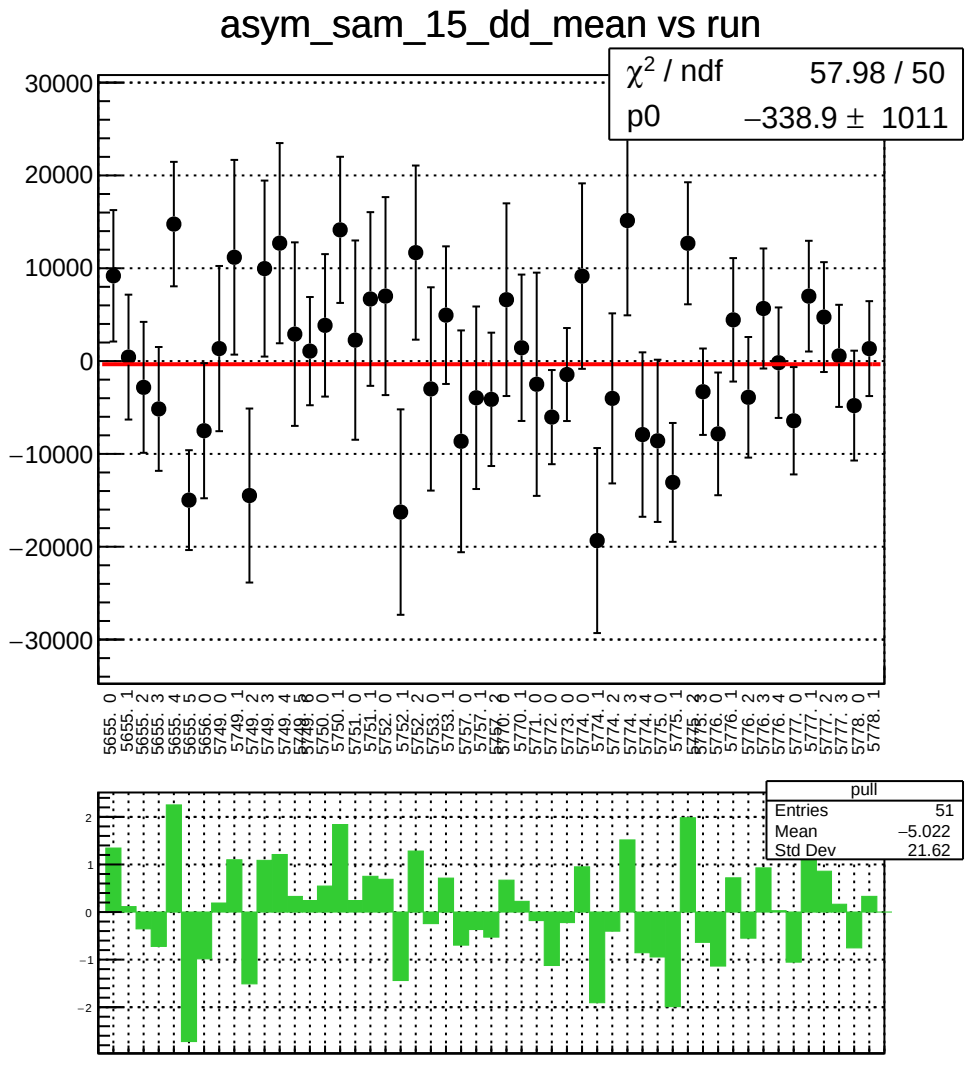

pull1D
Entries 51
Mean 0.01883
Std Dev 1.039

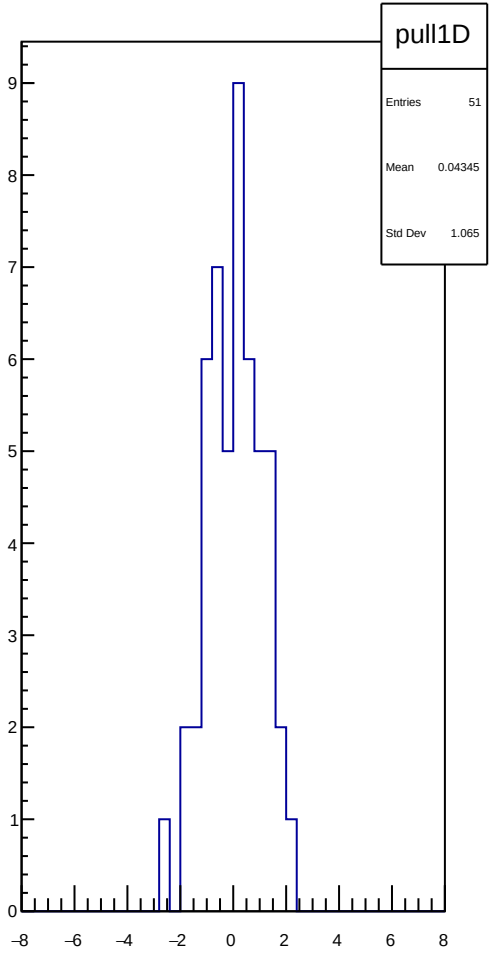

dit_asym_sam_15_dd_rms vs run
χ² / ndf 544.9 / 50
p0 94.37 ± 0.0924
120
115
110
105
100
95
90
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

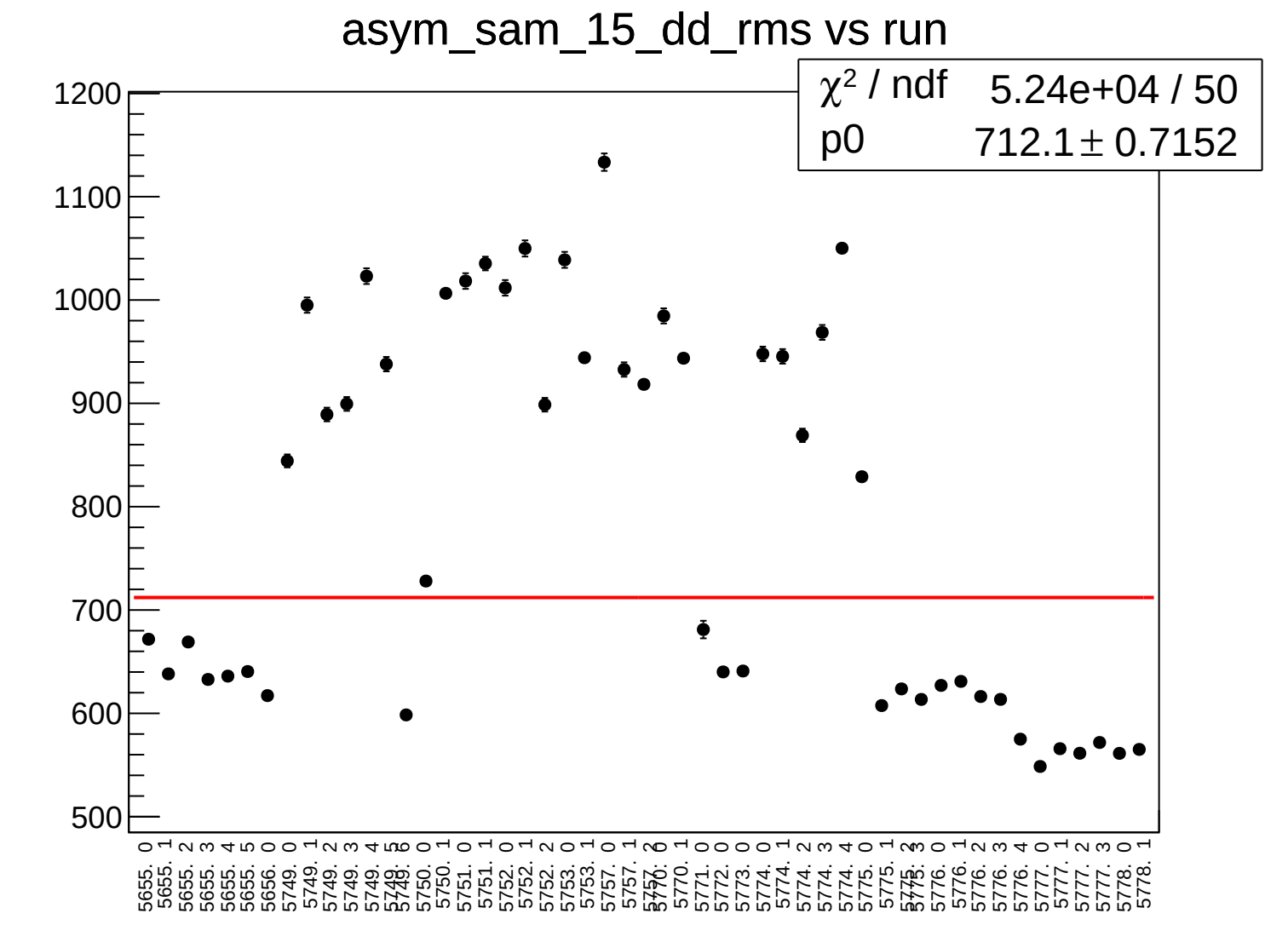

asym_sam_15_dd_correction_mean vs run
χ² / ndf 57.73 / 50
p0 594.3 ± 1020
pull
Entries 51
Mean −0.7232
Std Dev 15.43

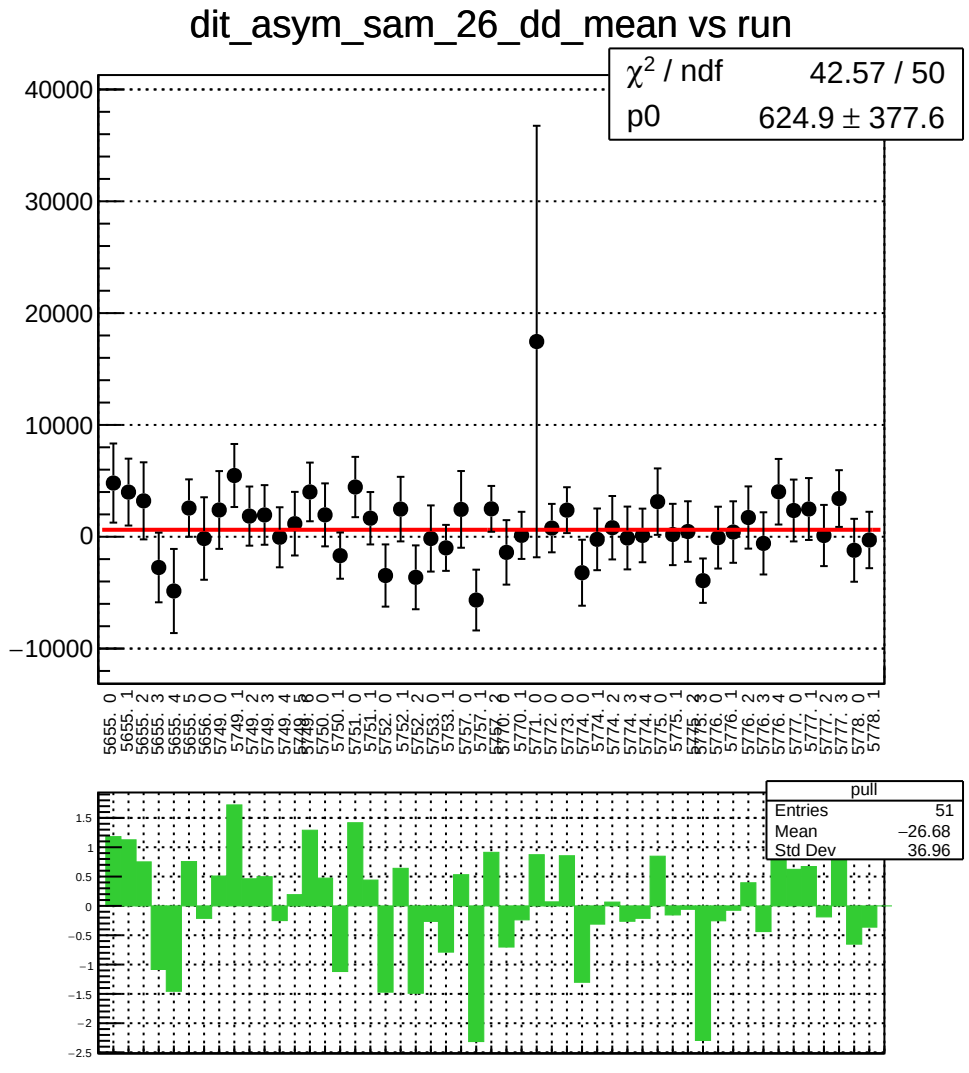

pull1D
Entries 51
Mean −0.04438
Std Dev 1.063

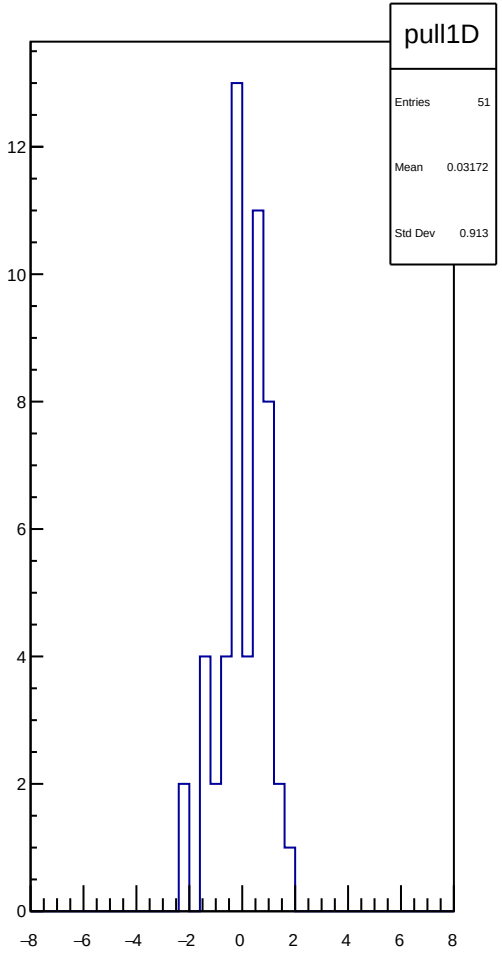

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5.236e+04 / 50
p0 718 ± 0.7211
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 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

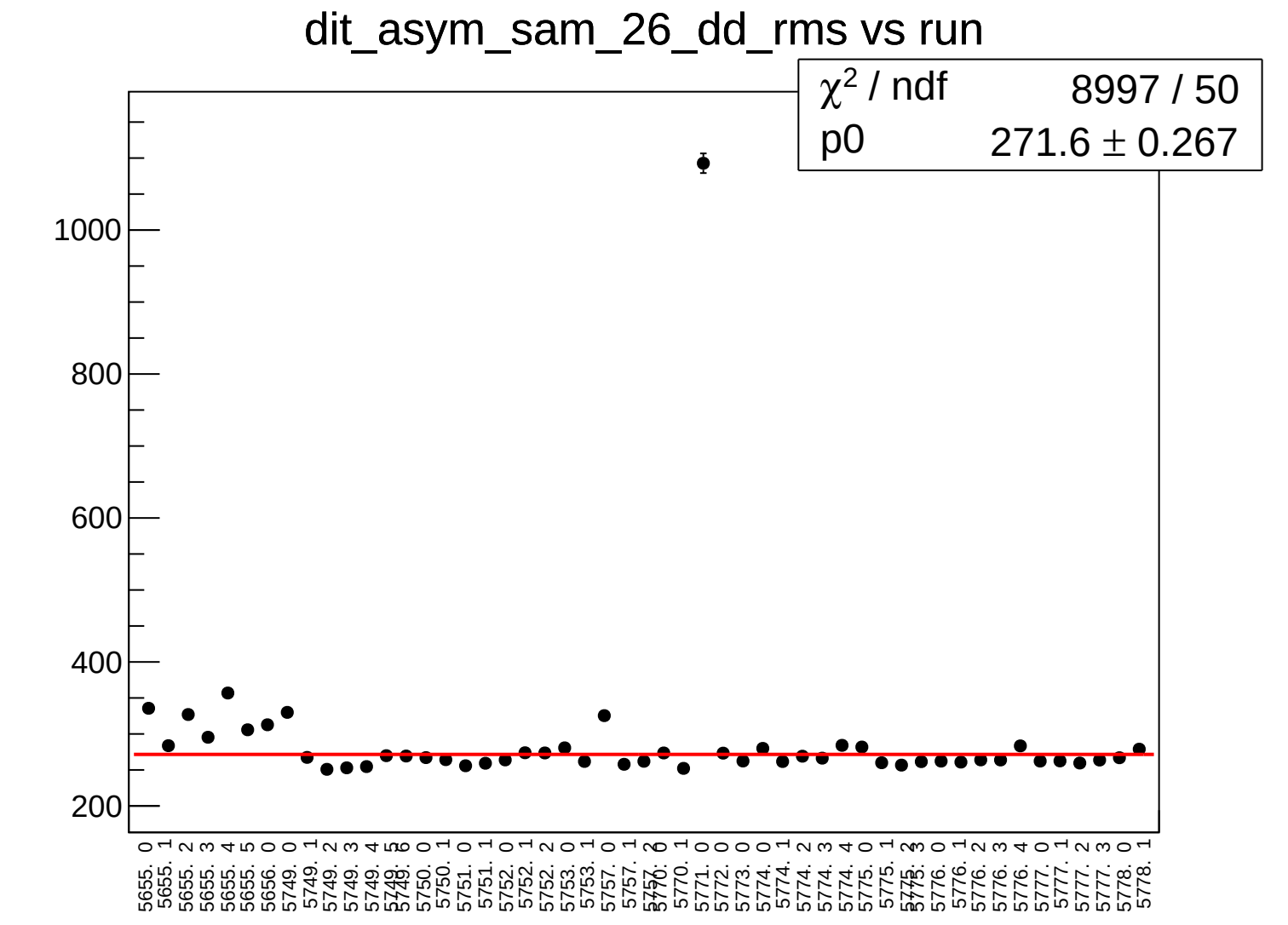

asym_sam_15_dd_mean vs run
χ² / ndf 57.98 / 50
p0 −338.9 ± 1011
pull
Entries 51
Mean −5.022
Std Dev 21.62

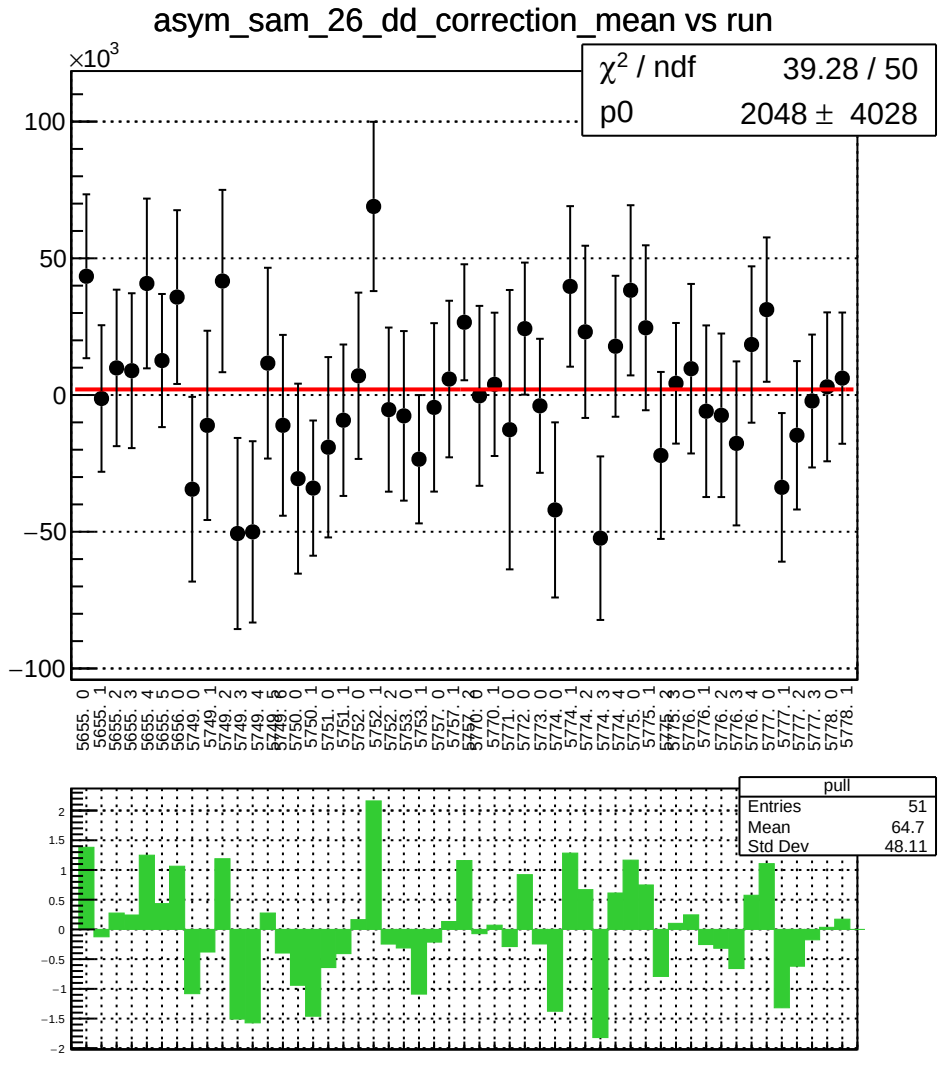

pull1D
Entries 51
Mean 0.04345
Std Dev 1.065

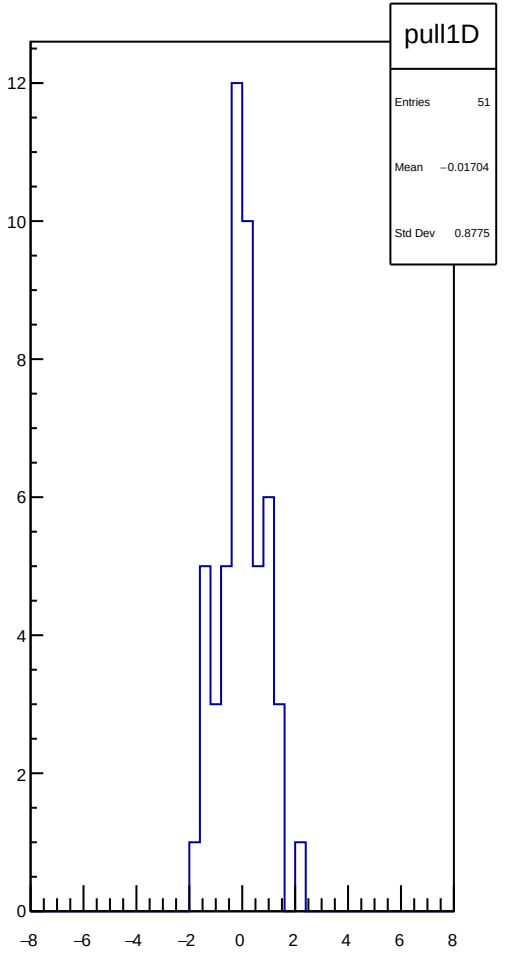

asym_sam_15_dd_rms vs run
χ² / ndf 5.24e+04 / 50
p0 712.1 ± 0.7152
1200
1100
1000
900
800
700
600
500
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

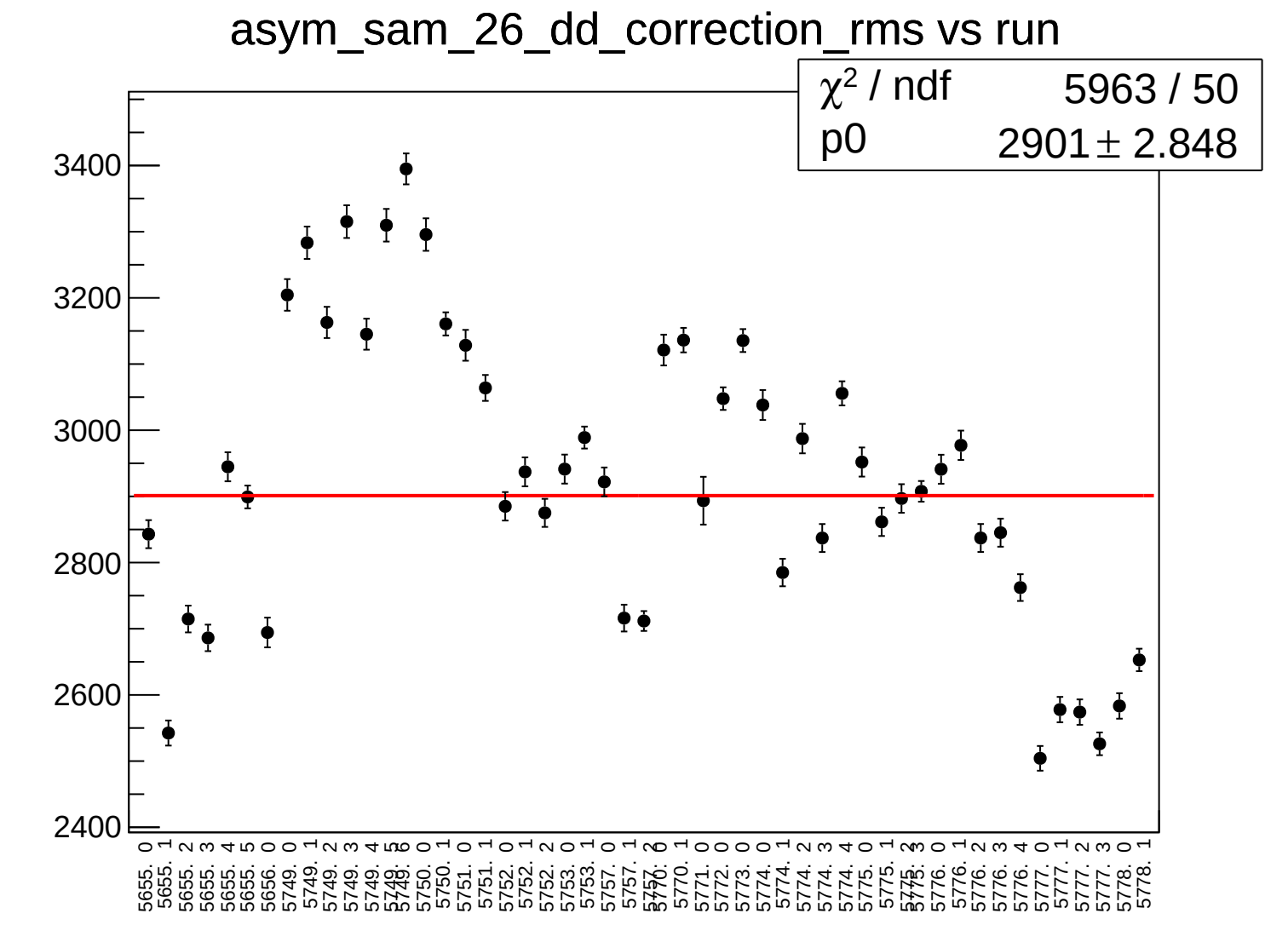

dit_asym_sam_26_dd_mean vs run
χ² / ndf 42.57 / 50
p0 624.9 ± 377.6
pull
Entries 51
Mean −26.68
Std Dev 36.96

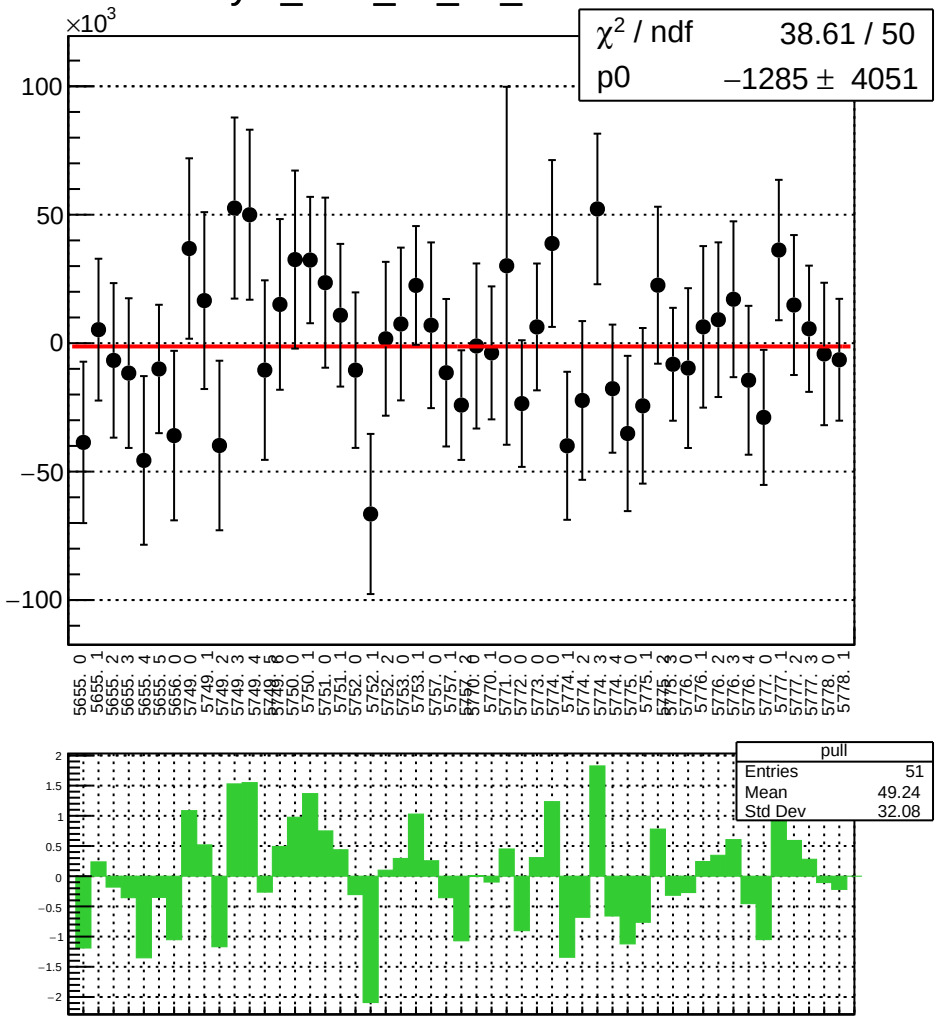

pull1D
Entries 51
Mean 0.03172
Std Dev 0.913

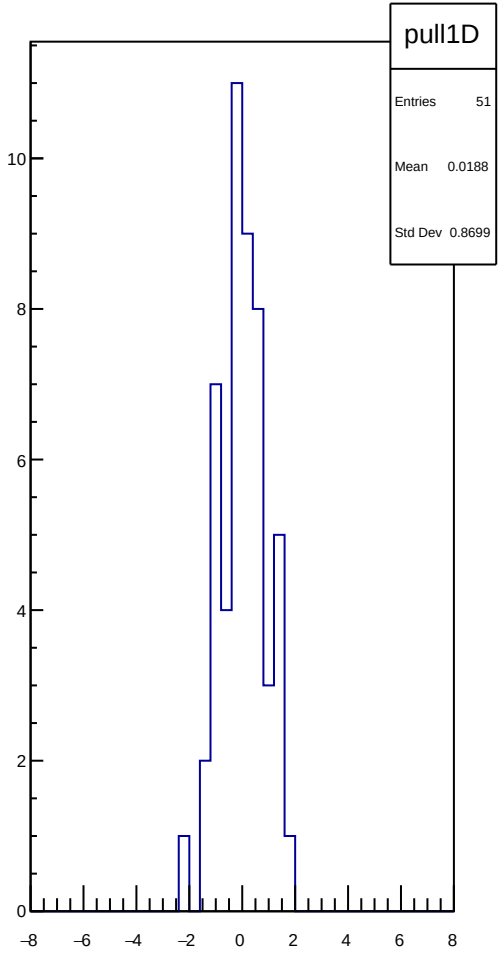

dit_asym_sam_26_dd_rms vs run
χ² / ndf 8997 / 50
p0 271.6 ± 0.267
1000
800
600
400
200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 0
5773. 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

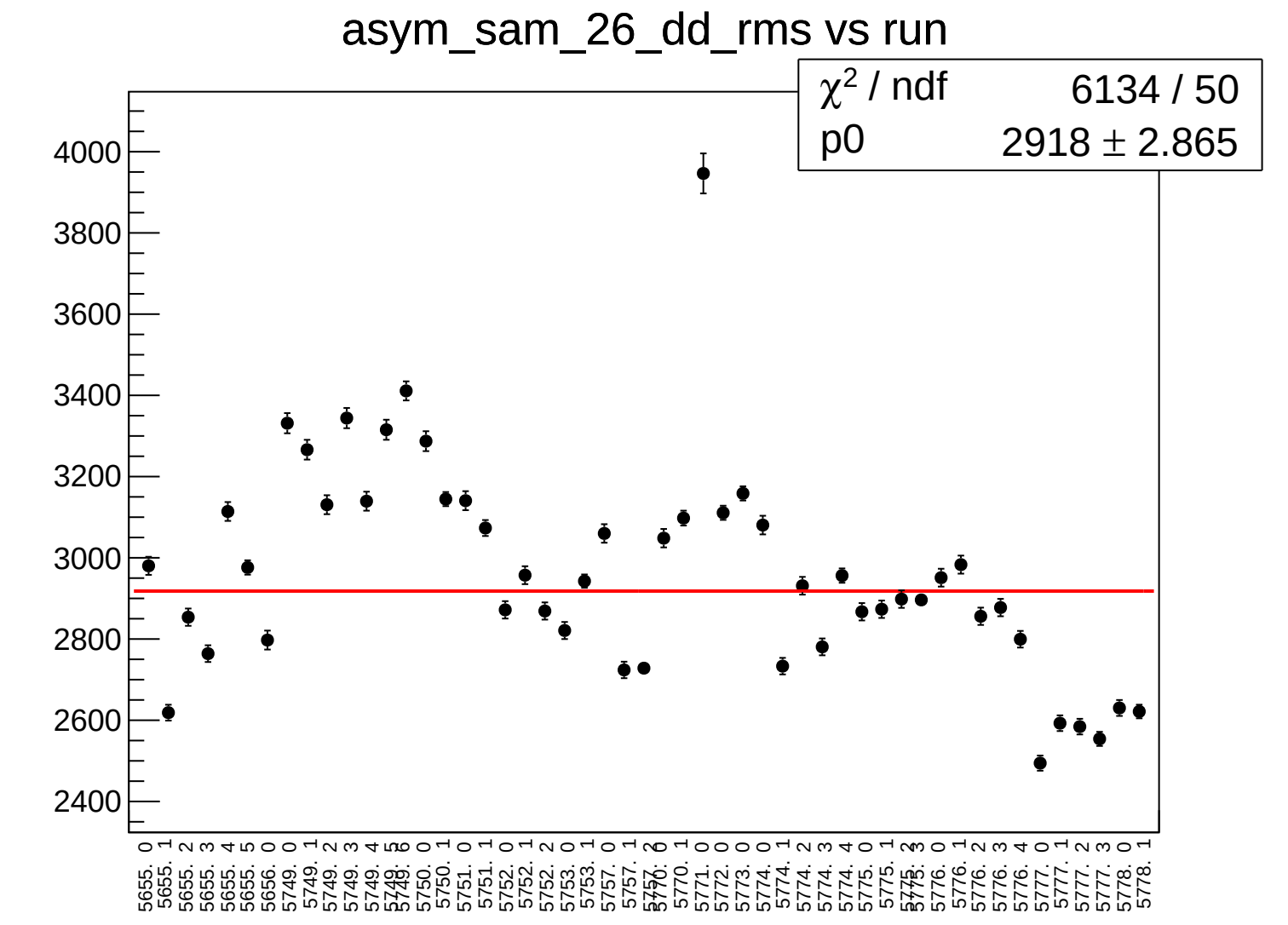

asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 39.28 / 50
p0 2048 ± 4028
100
50
0
−50
−100
pull
Entries 51
Mean 64.7
Std Dev 48.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

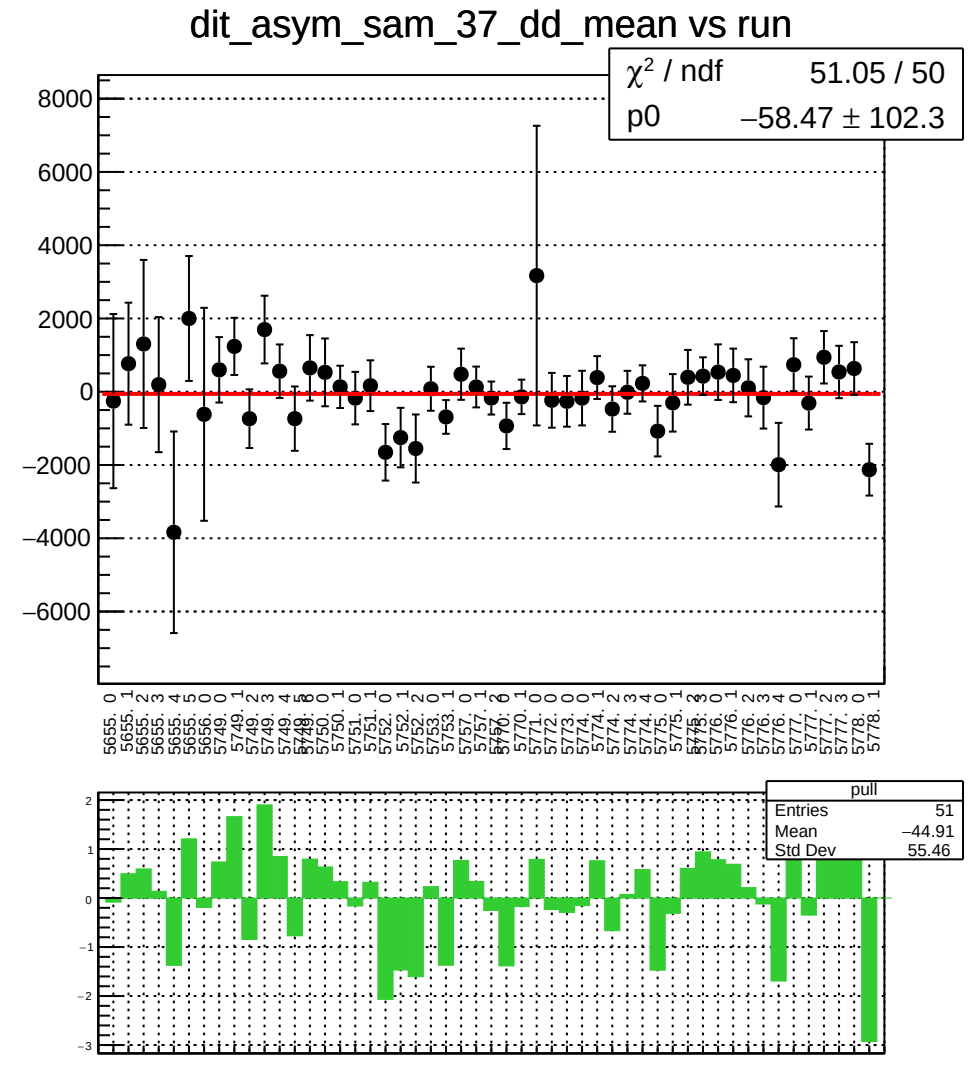

pull1D
Entries 51
Mean −0.01704
Std Dev 0.8775
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

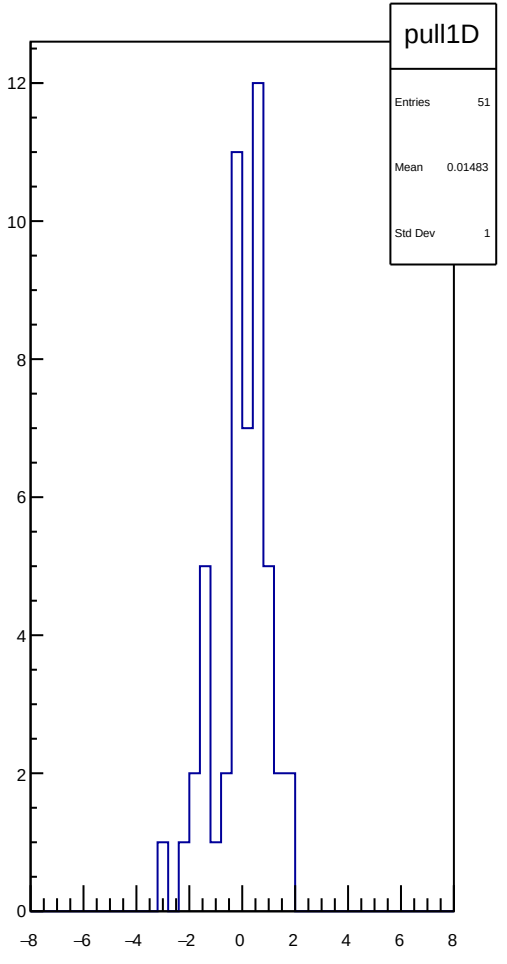

asym_sam_26_dd_correction_rms vs run
χ² / ndf 5963 / 50
p0 2901 ± 2.848
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

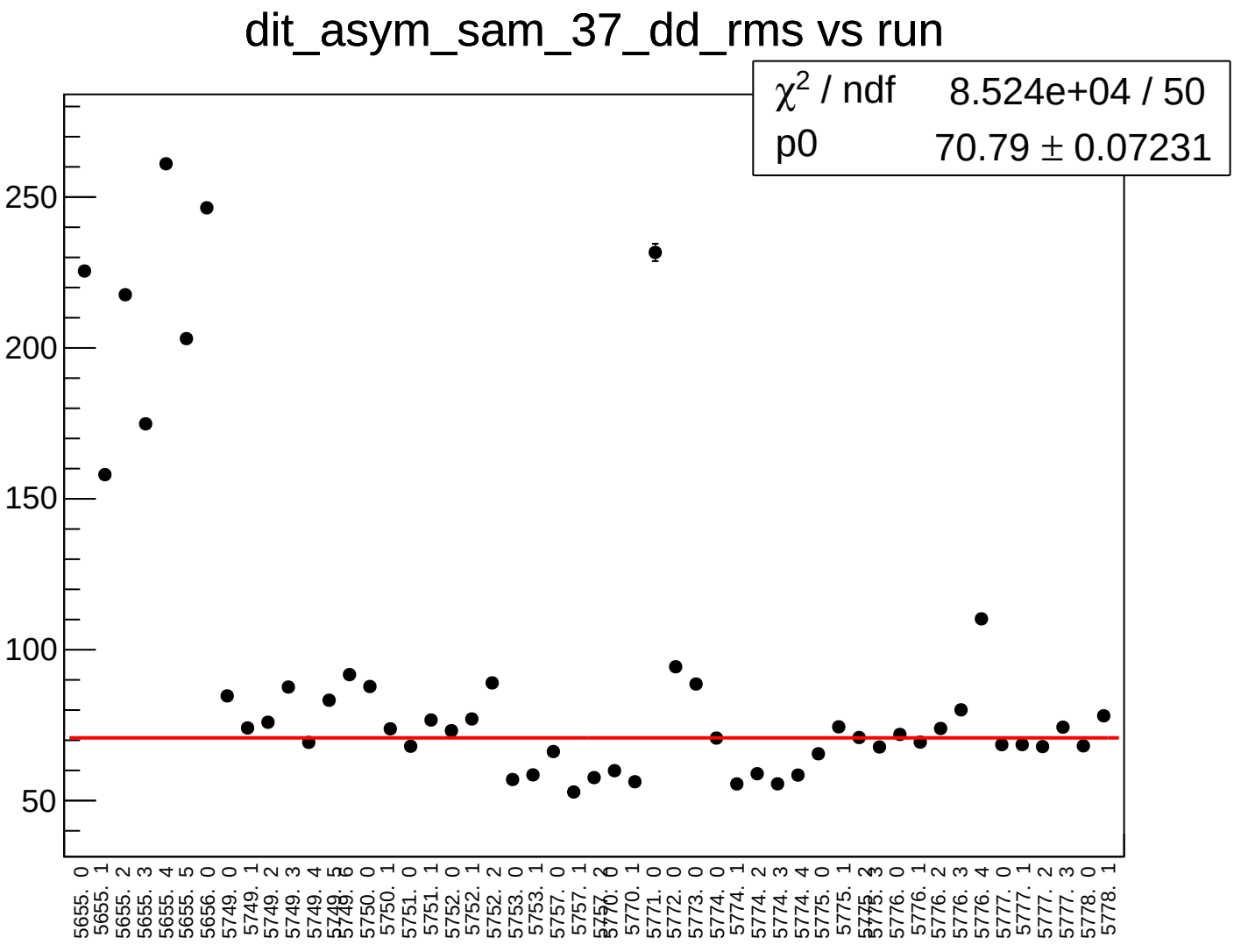

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 38.61 / 50
p0 −1285 ± 4051
100
50
0
−50
−100
pull
Entries 51
Mean 49.24
Std Dev 32.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

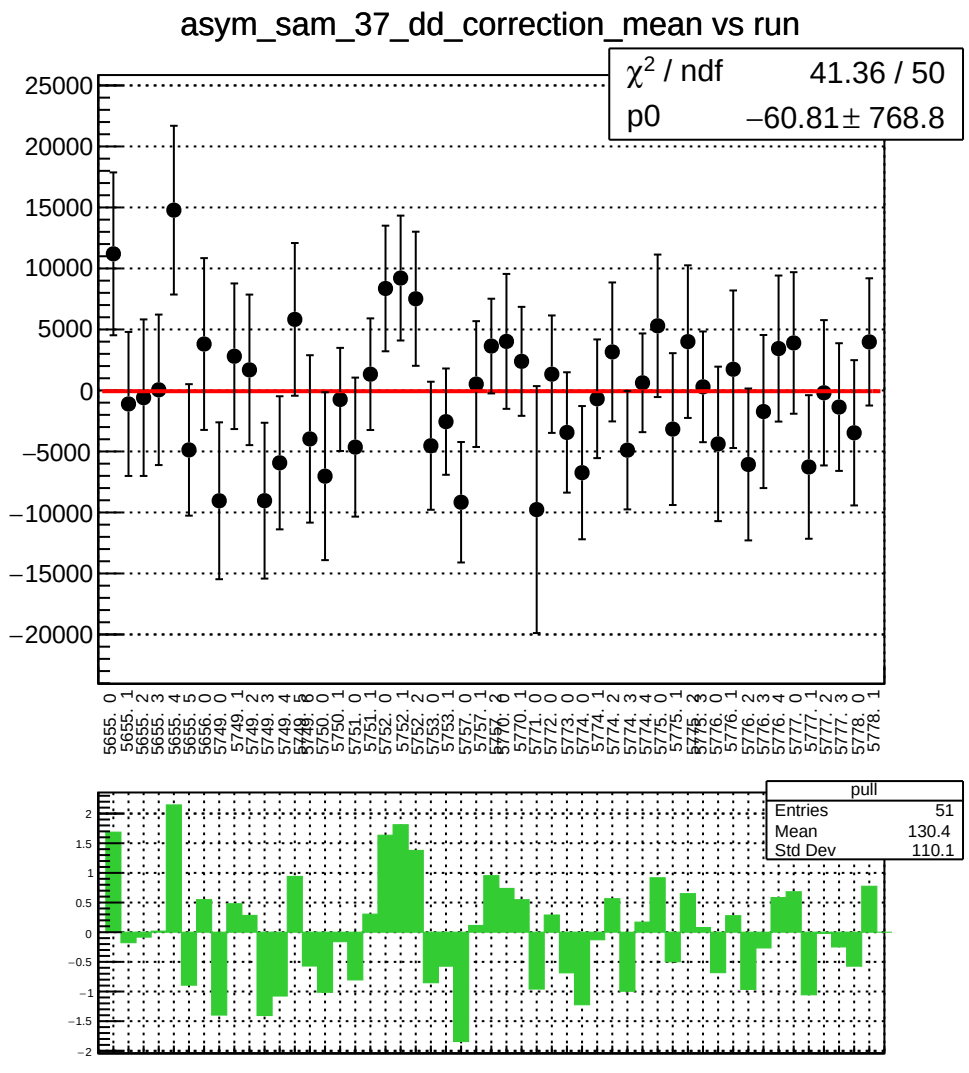

pull1D
Entries 51
Mean 0.0188
Std Dev 0.8699
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

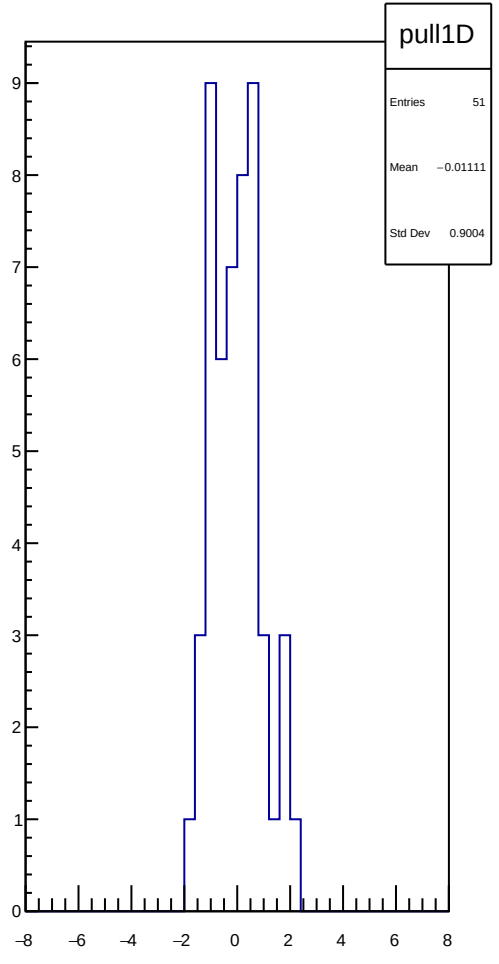

asym_sam_26_dd_rms vs run
χ² / ndf 6134 / 50
p0 2918 ± 2.865
4000
3800
3600
3400
3200
3000
2800
2600
2400
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

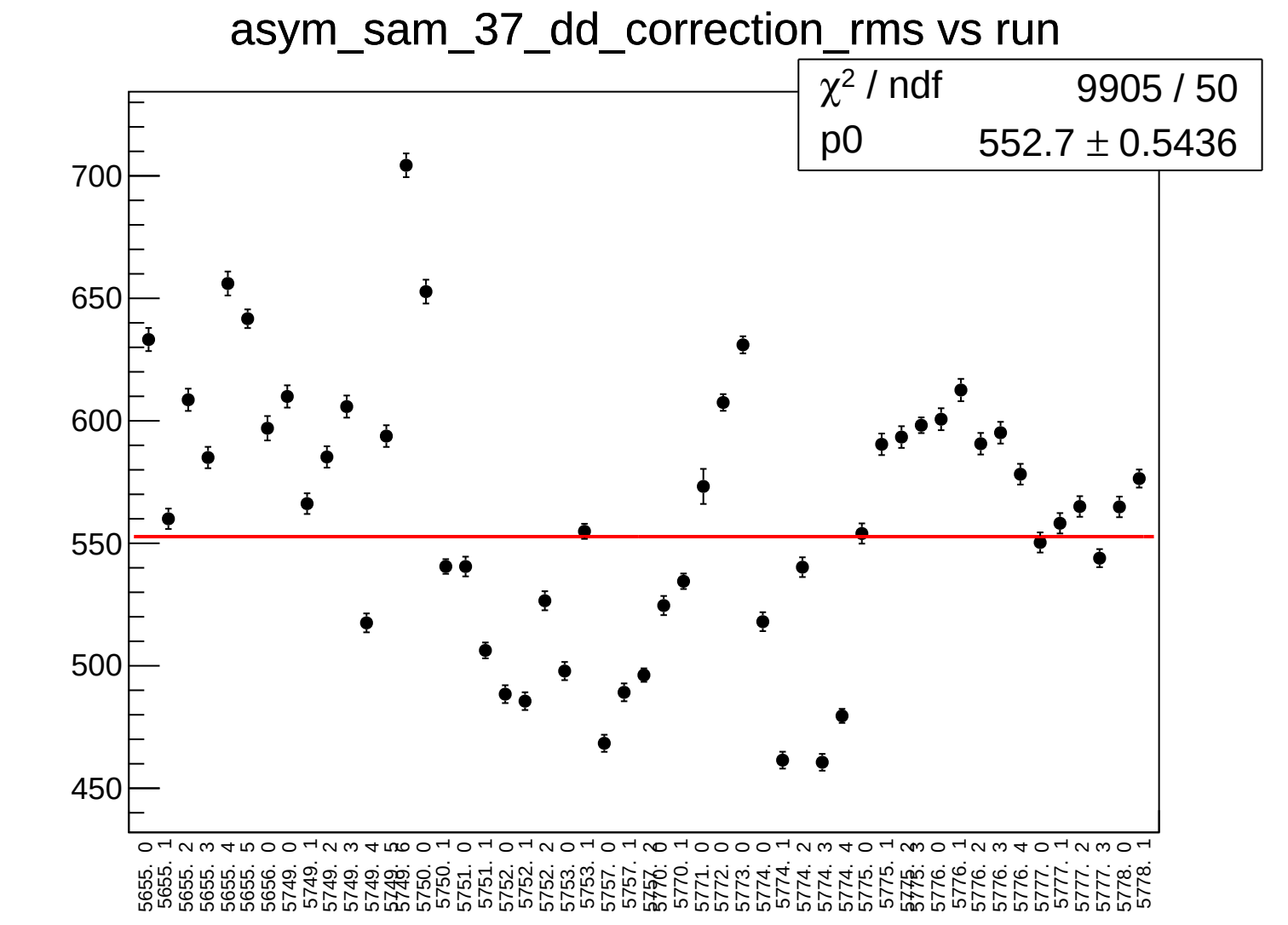

dit_asym_sam_37_dd_mean vs run
χ² / ndf 51.05 / 50
p0 −58.47 ± 102.3
pull
Entries 51
Mean −44.91
Std Dev 55.46

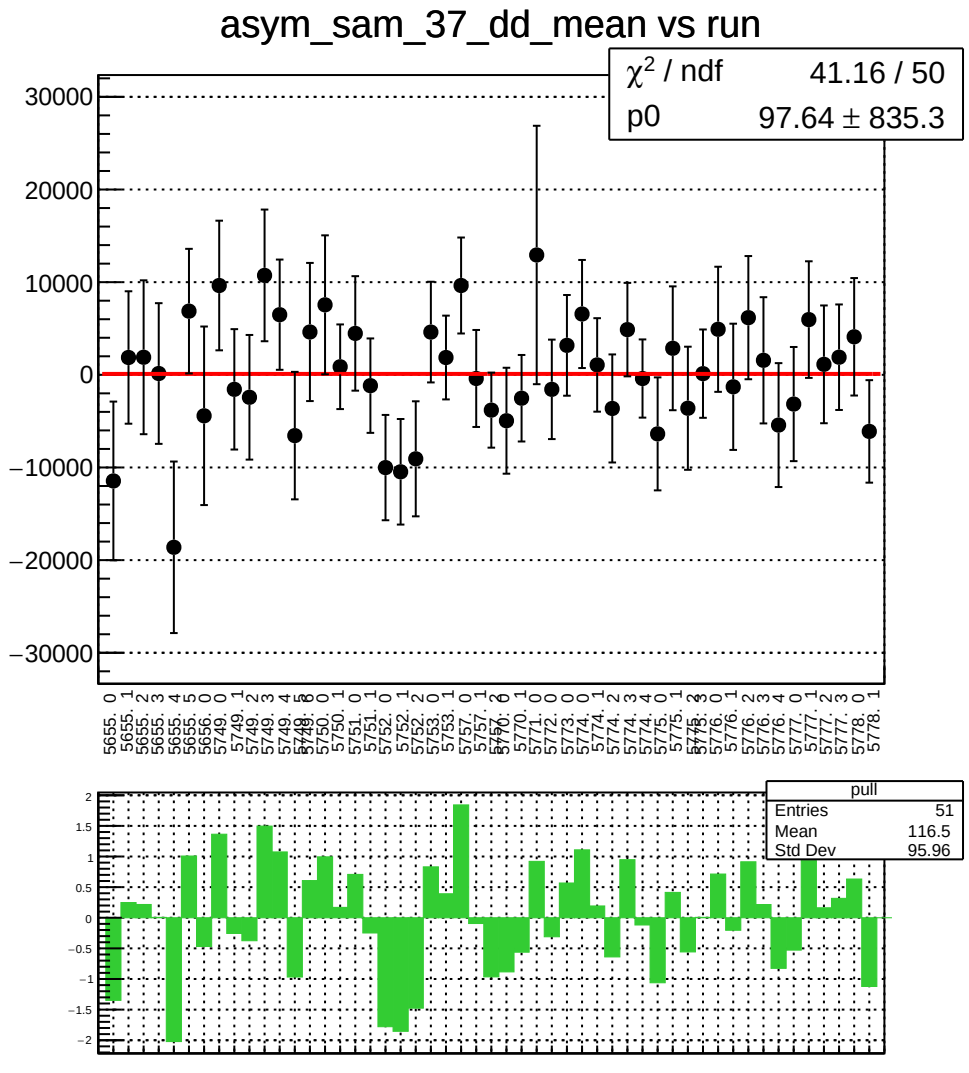

pull1D
Entries 51
Mean 0.01483
Std Dev 1

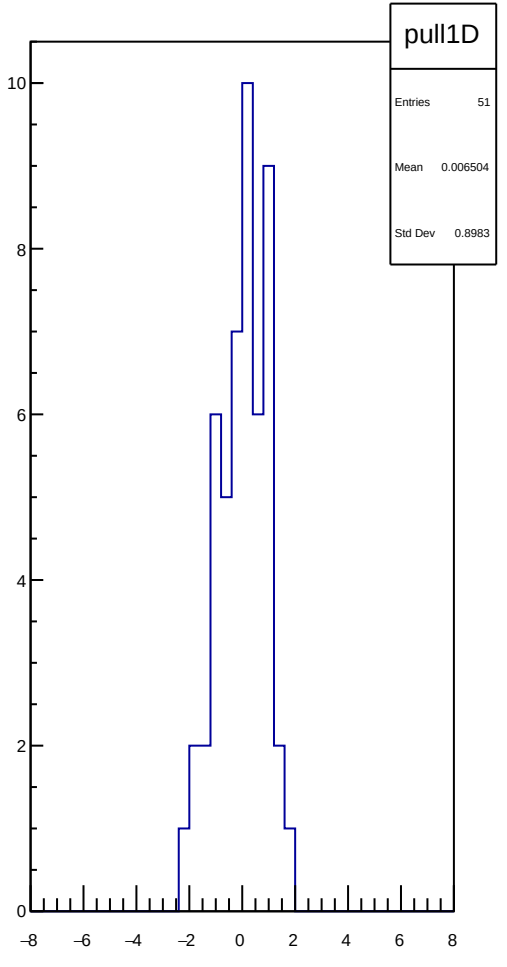

dit_asym_sam_37_dd_rms vs run
χ² / ndf 8.524e+04 / 50
p0 70.79 ± 0.07231
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 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

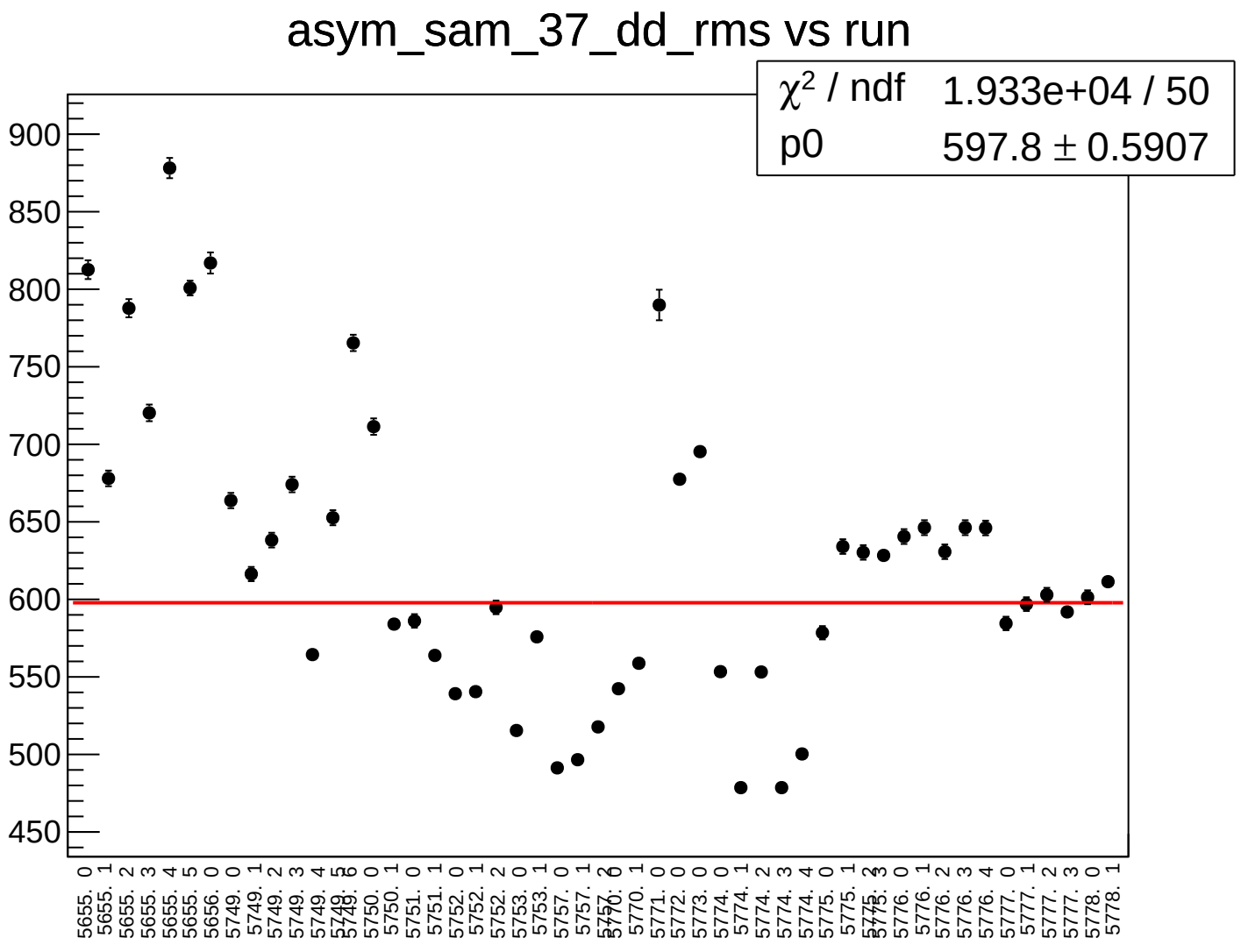

asym_sam_37_dd_correction_mean vs run
χ² / ndf 41.36 / 50
p0 −60.81 ± 768.8
pull
Entries 51
Mean 130.4
Std Dev 110.1

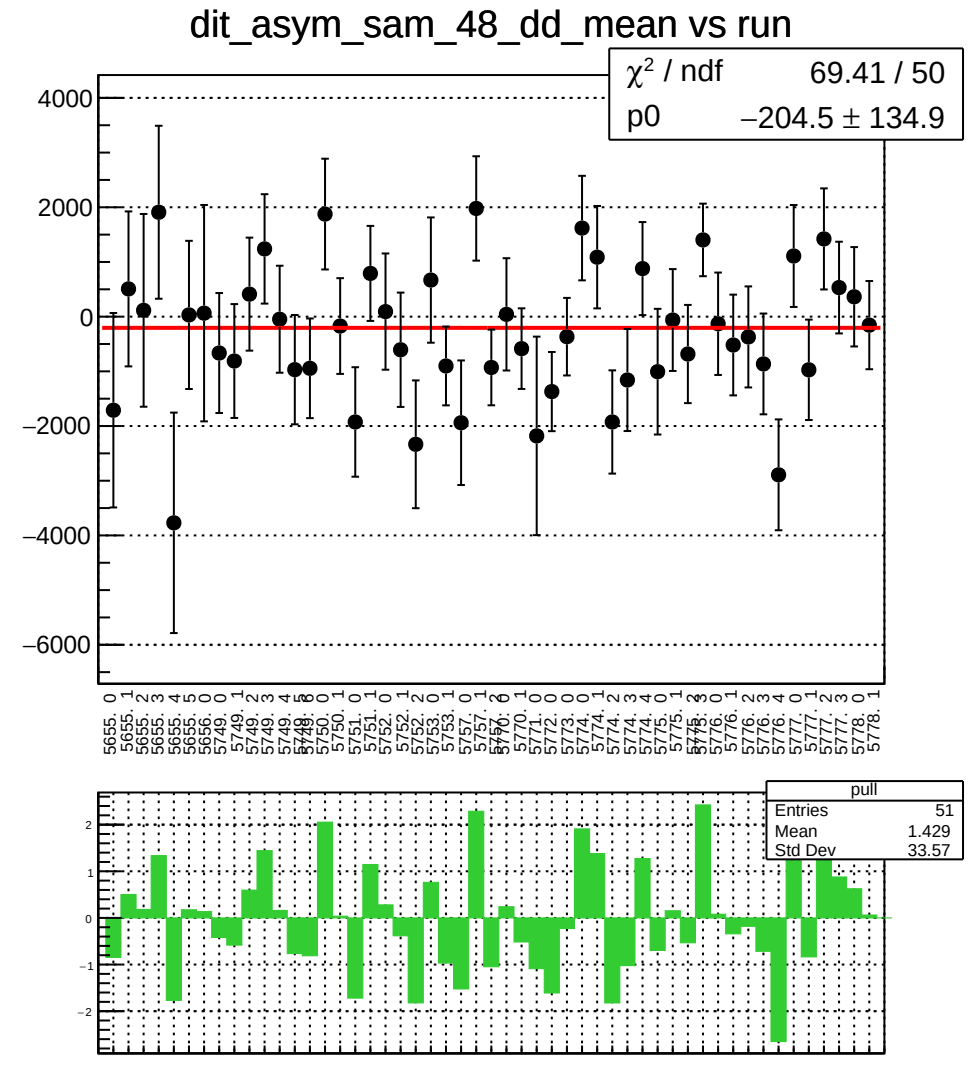

pull1D
Entries 51
Mean −0.01111
Std Dev 0.9004

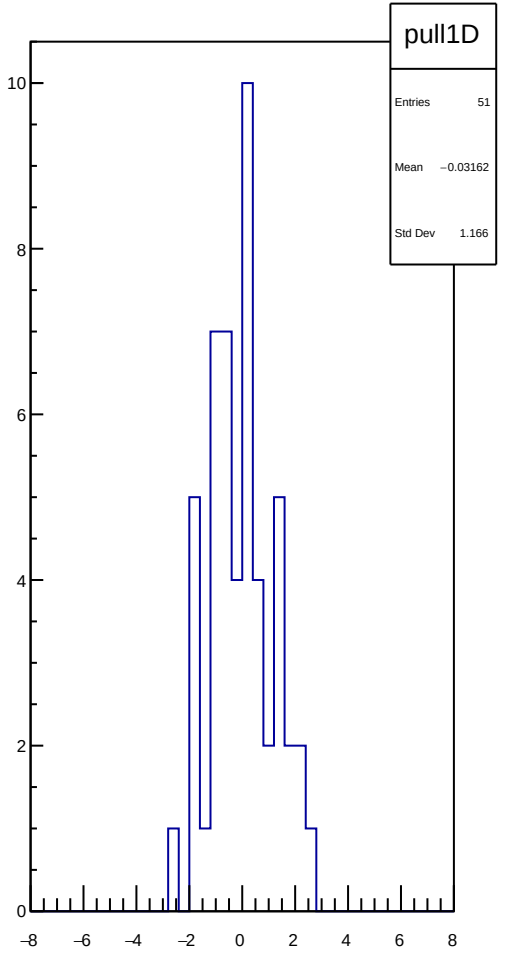

asym_sam_37_dd_correction_rms vs run
χ² / ndf 9905 / 50
p0 552.7 ± 0.5436
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

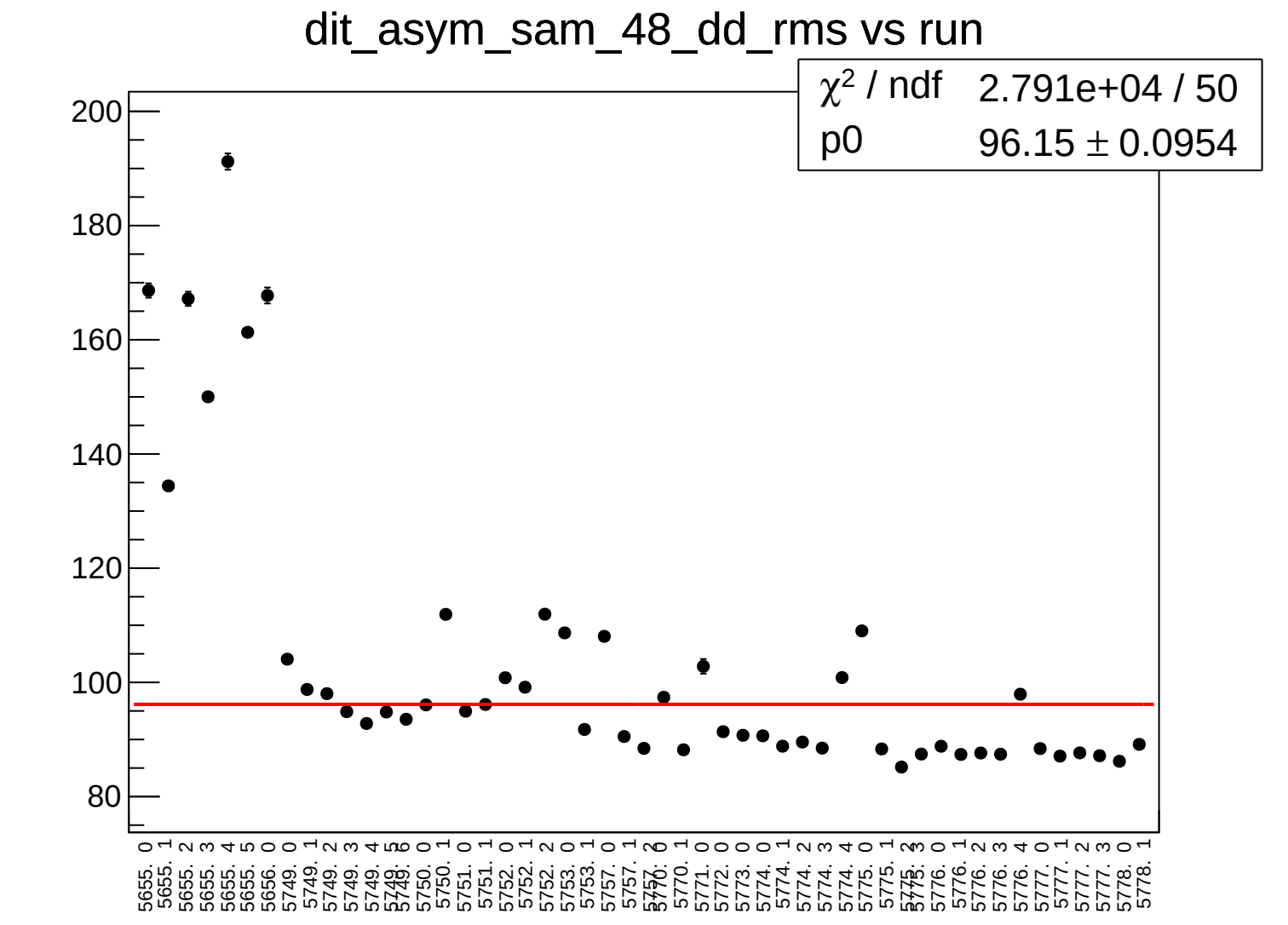

asym_sam_37_dd_mean vs run
χ² / ndf 41.16 / 50
p0 97.64 ± 835.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 116.5
Std Dev 95.96
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

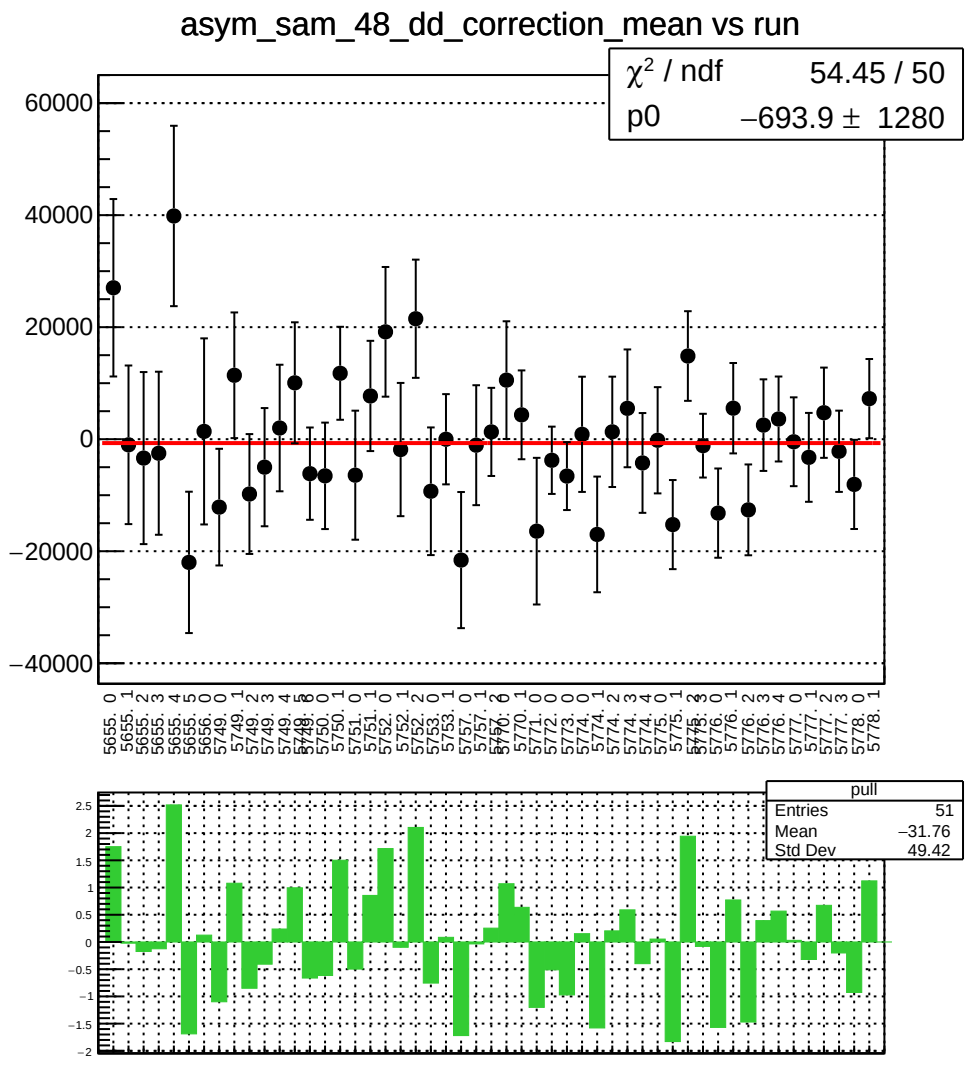

pull1D
Entries 51
Mean 0.006504
Std Dev 0.8983
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

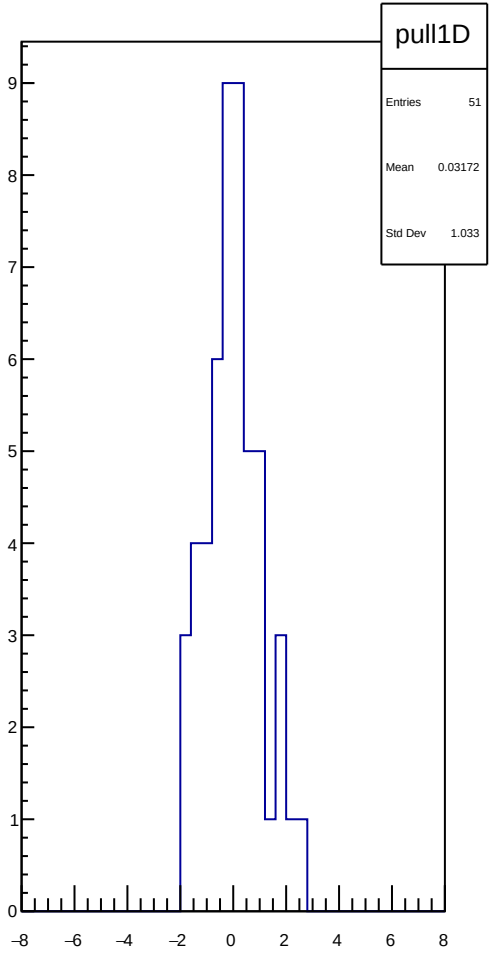

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.933e+04 / 50
p0 597.8 ± 0.5907
900
850
800
750
700
650
600
550
500
450
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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

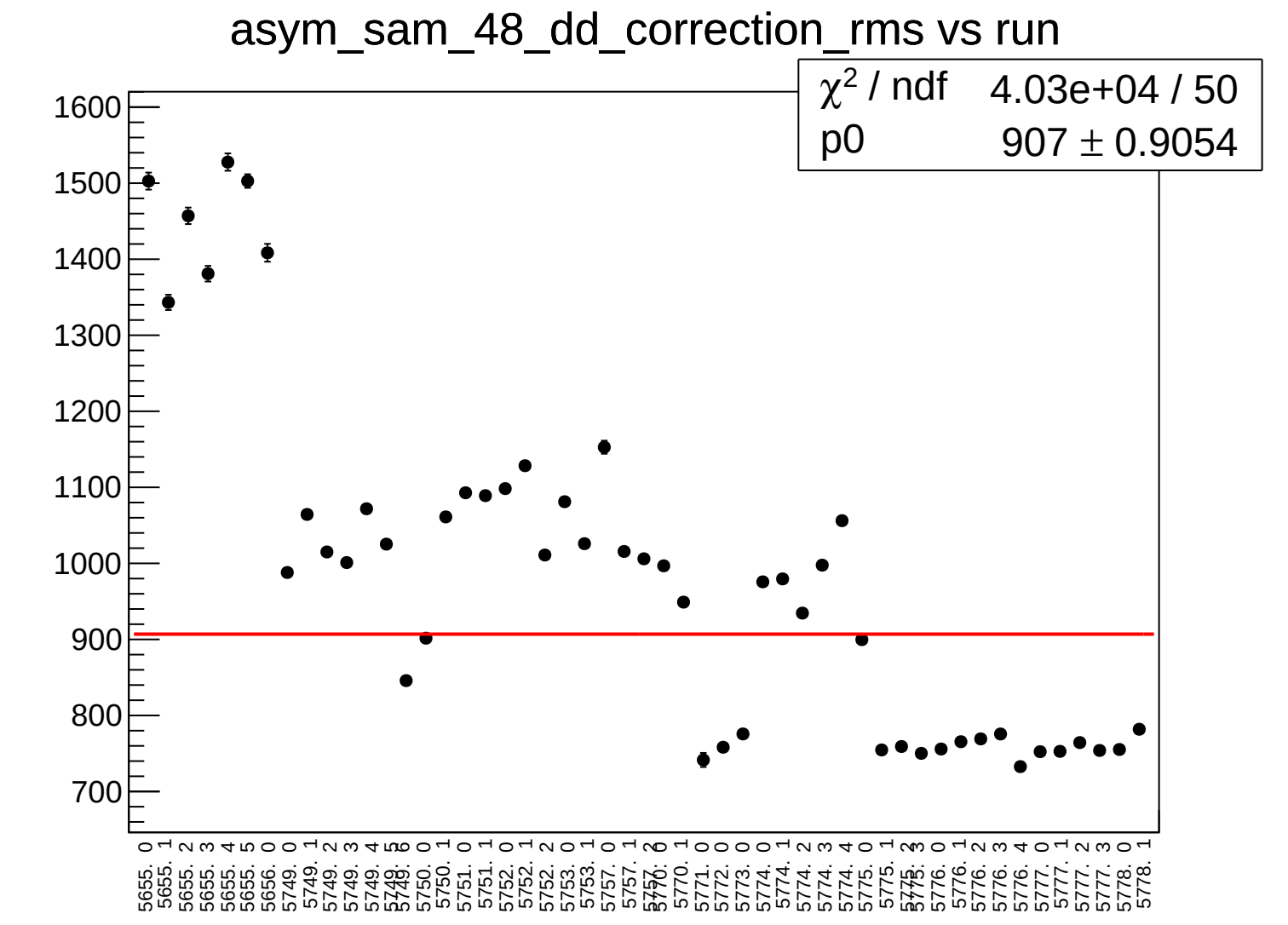

dit_asym_sam_48_dd_mean vs run
χ² / ndf 69.41 / 50
p0 −204.5 ± 134.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean 1.429
Std Dev 33.57
2
1
0
−1
−2

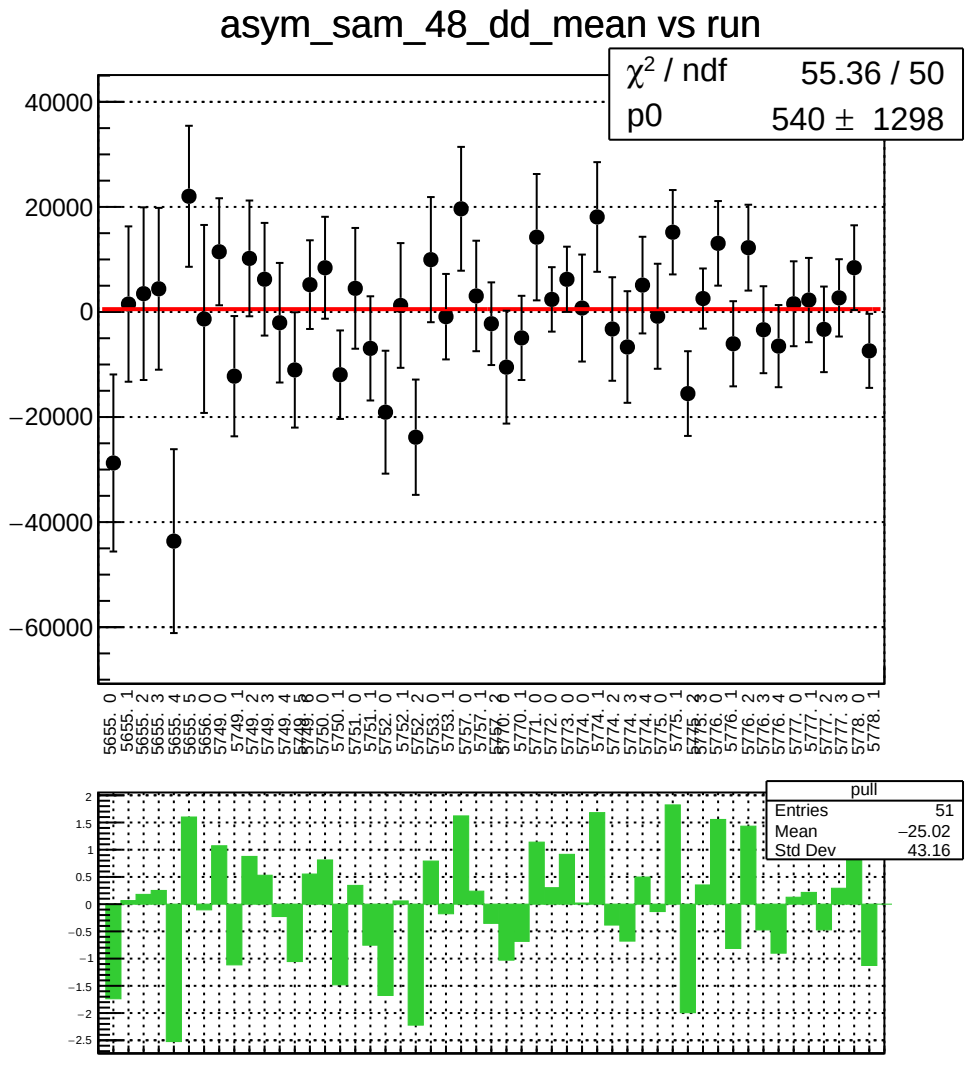

pull1D
Entries 51
Mean −0.03162
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

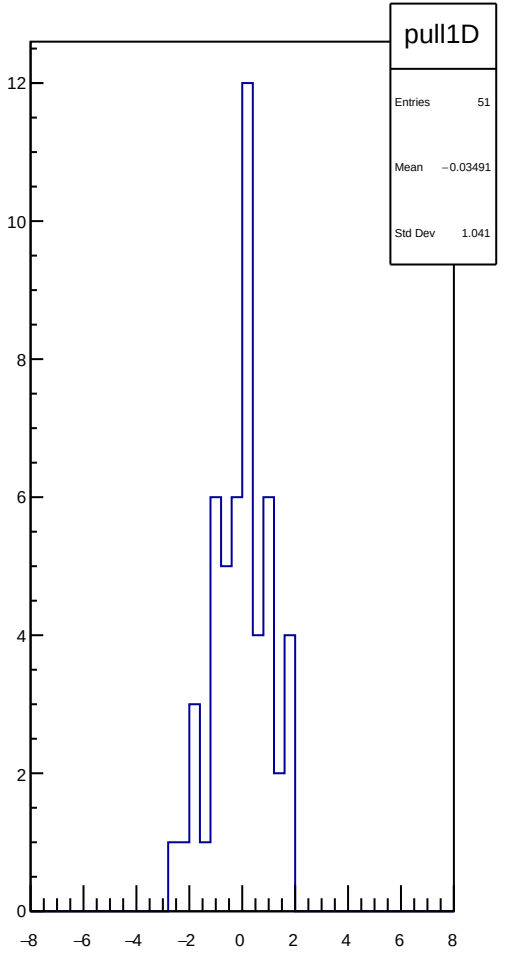

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.791e+04 / 50
p0 96.15 ± 0.0954
200
180
160
140
120
100
80
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

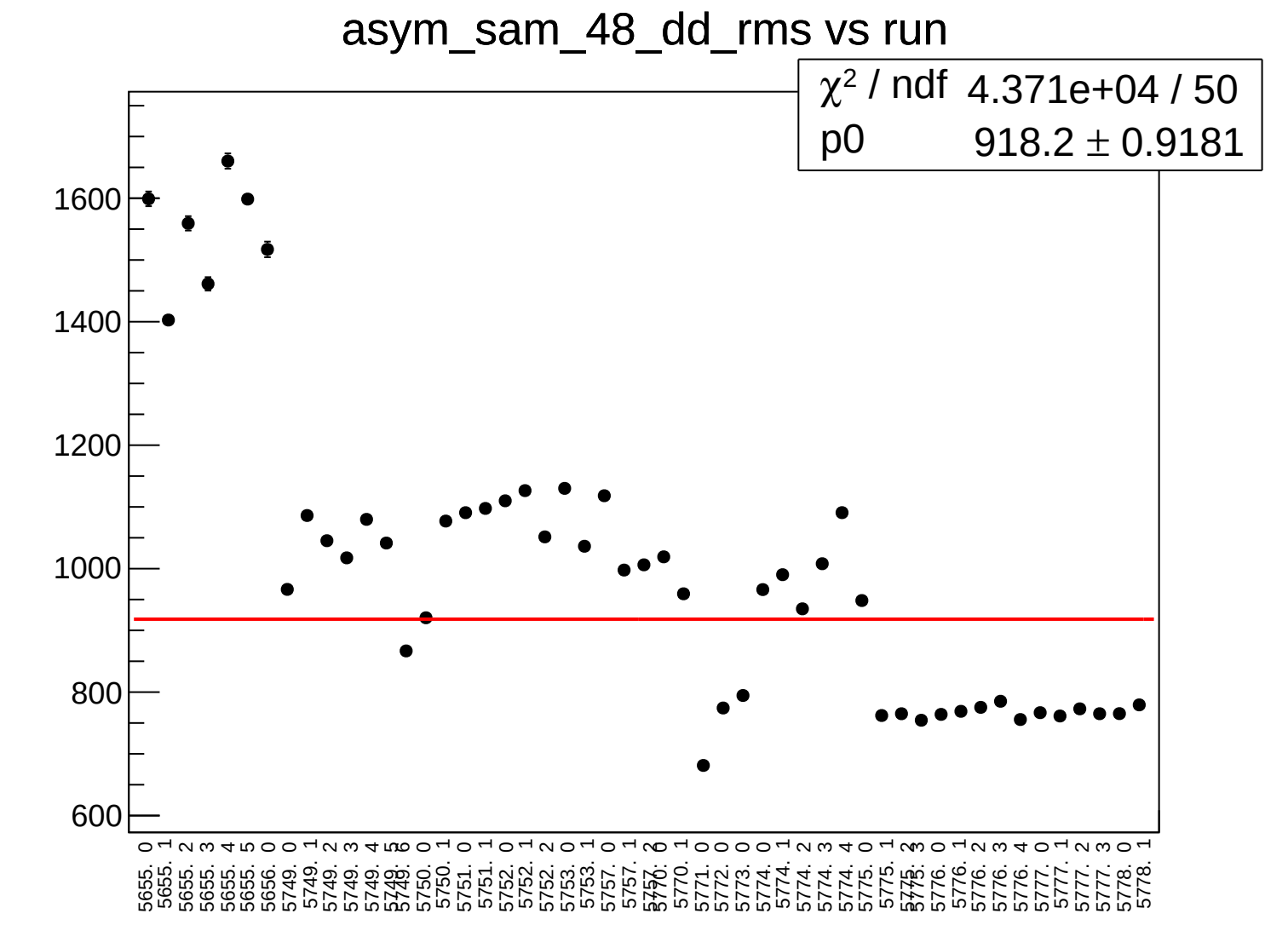

asym_sam_48_dd_correction_mean vs run
χ² / ndf 54.45 / 50
p0 −693.9 ± 1280
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −31.76
Std Dev 49.42
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

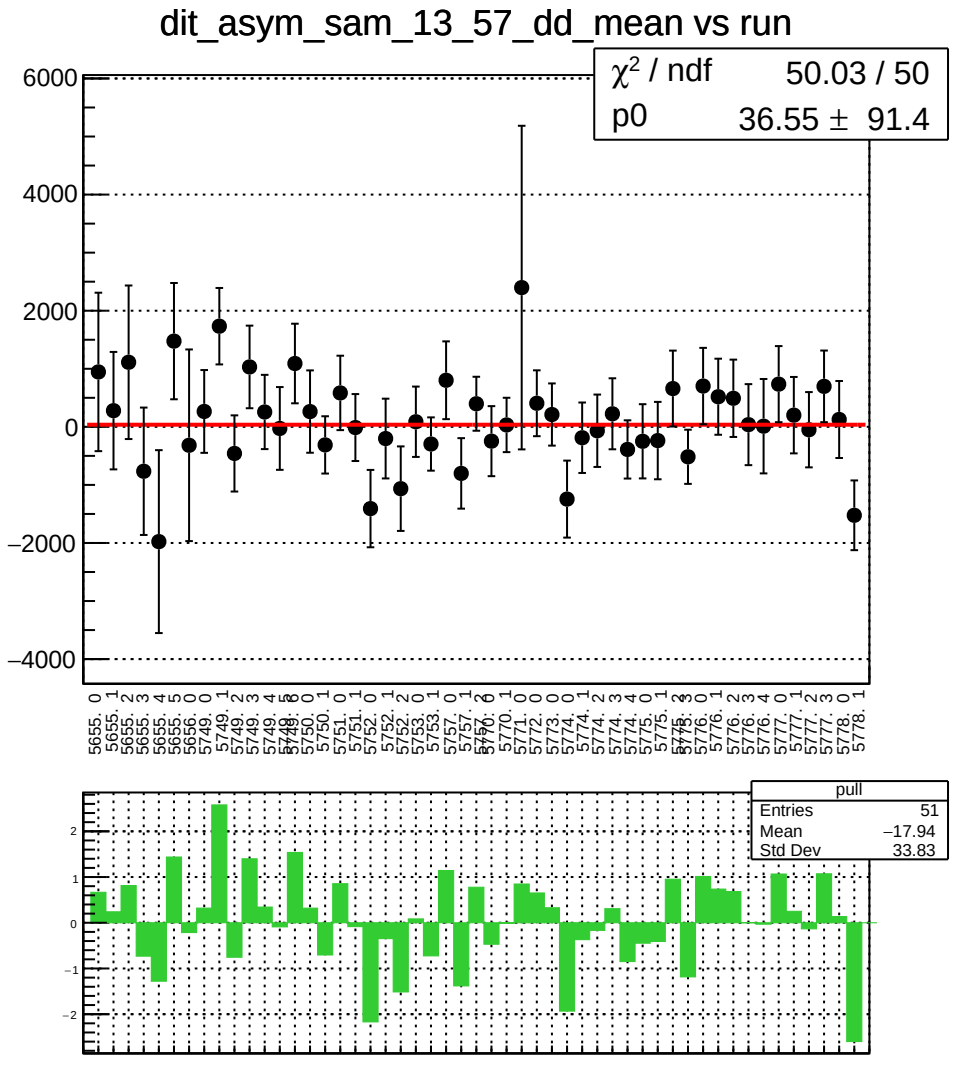

pull1D
Entries 51
Mean 0.03172
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

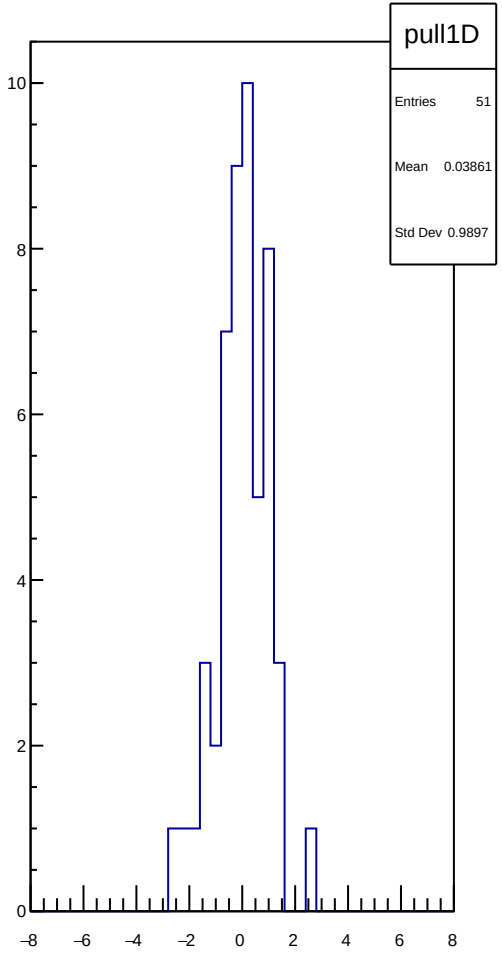

asym_sam_48_dd_correction_rms vs run
χ² / ndf 4.03e+04 / 50
p0 907 ± 0.9054
1600
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

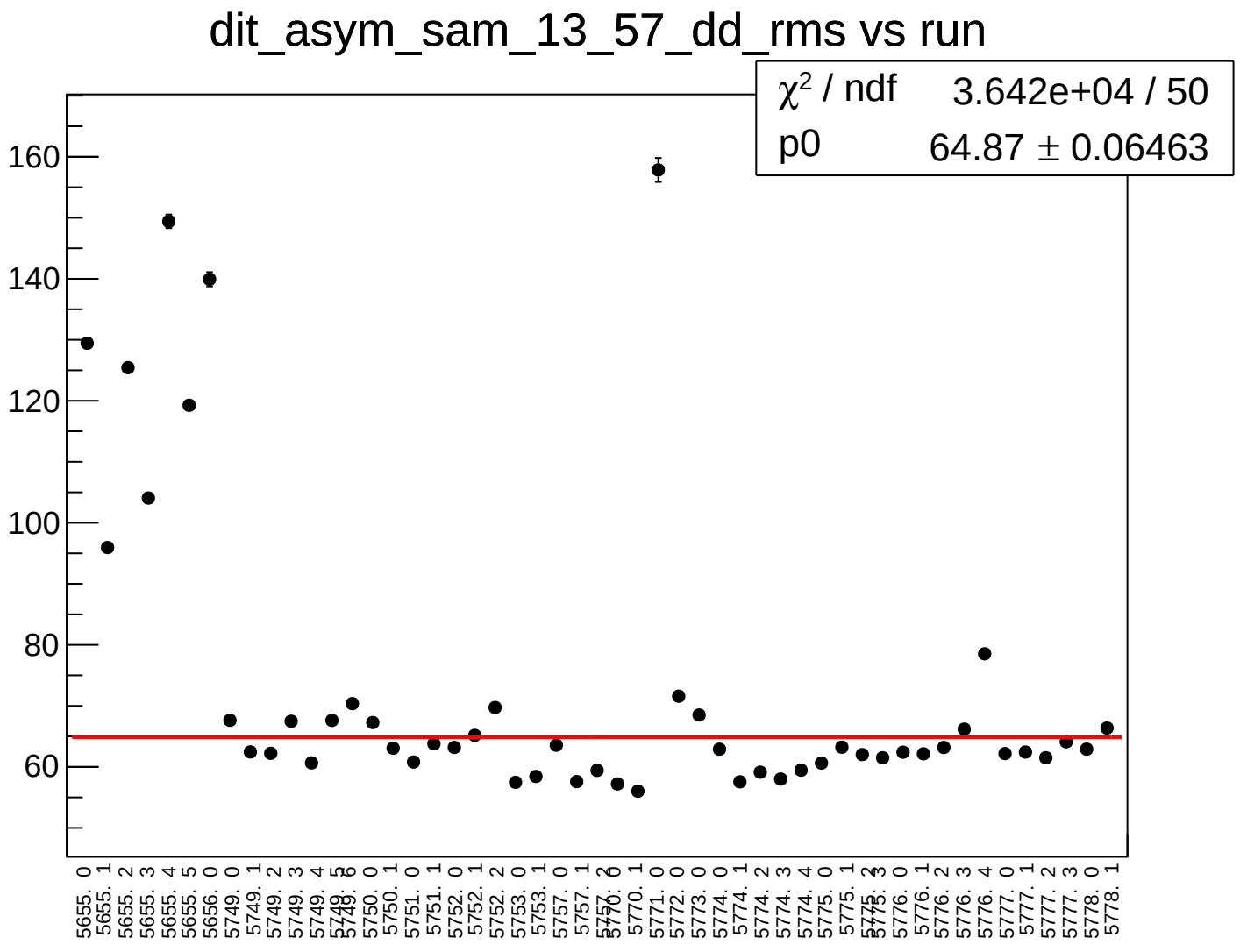

asym_sam_48_dd_mean vs run
χ² / ndf 55.36 / 50
p0 540 ± 1298
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean −25.02
Std Dev 43.16
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

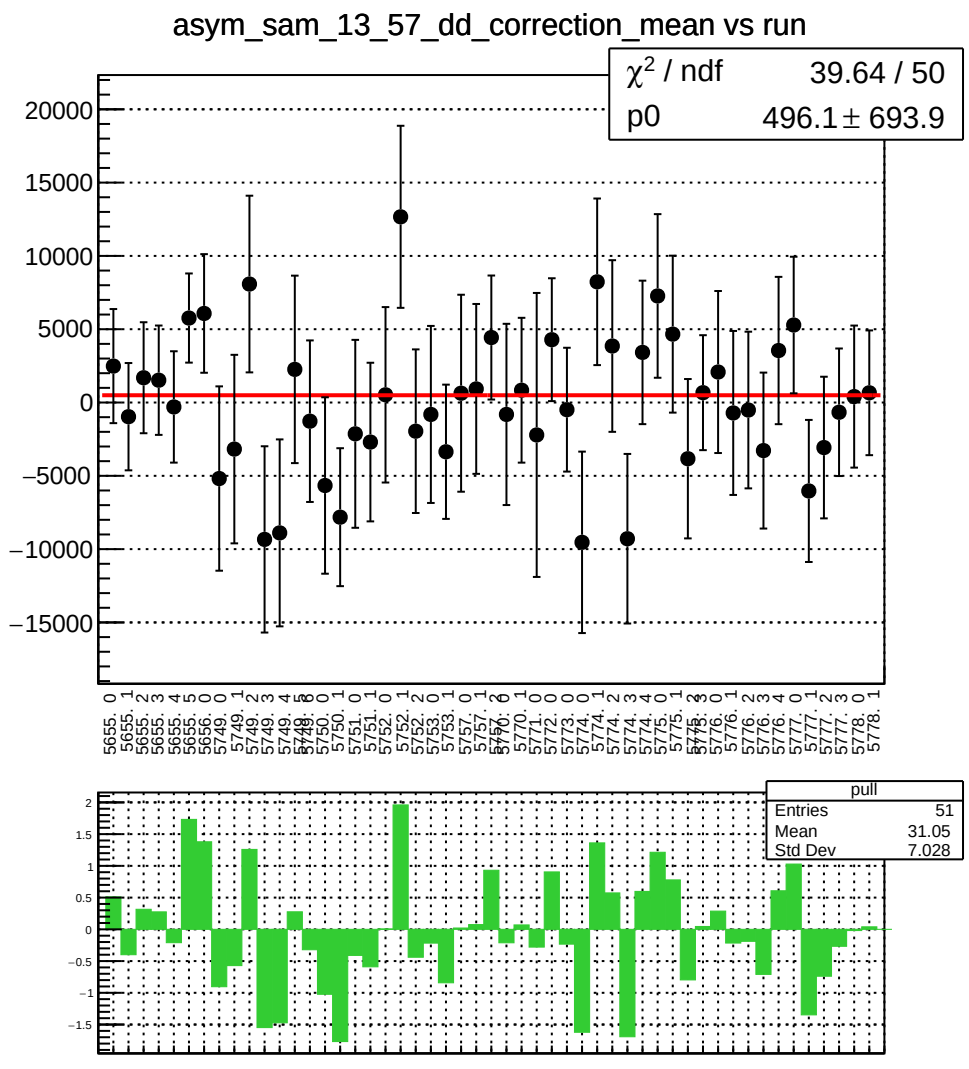

pull1D
Entries 51
Mean −0.03491
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

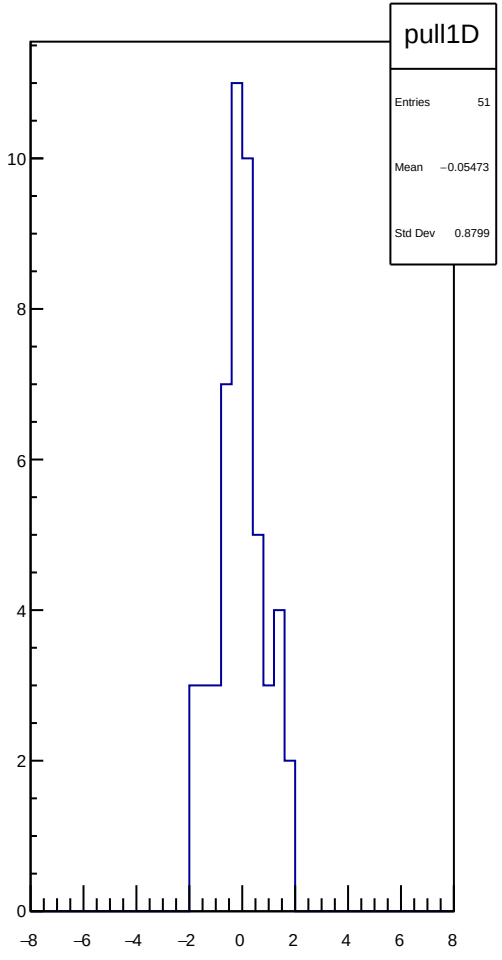

asym_sam_48_dd_rms vs run
χ² / ndf 4.371e+04 / 50
p0 918.2 ± 0.9181
1600
1400
1200
1000
800
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

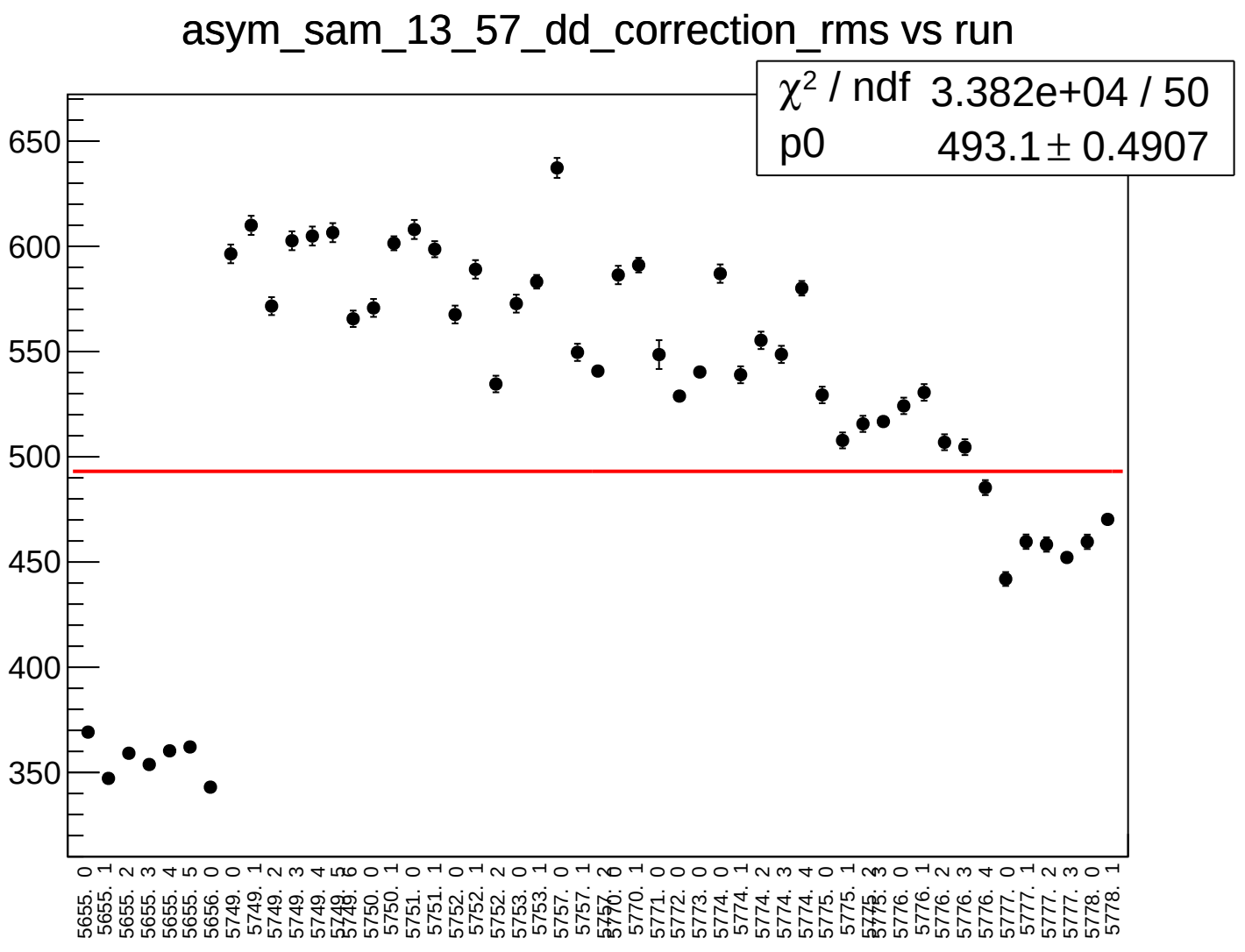

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 50.03 / 50
p0 36.55 ± 91.4
6000
4000
2000
0
−2000
−4000
pull
Entries 51
Mean −17.94
Std Dev 33.83
2
1
0
−1
−2

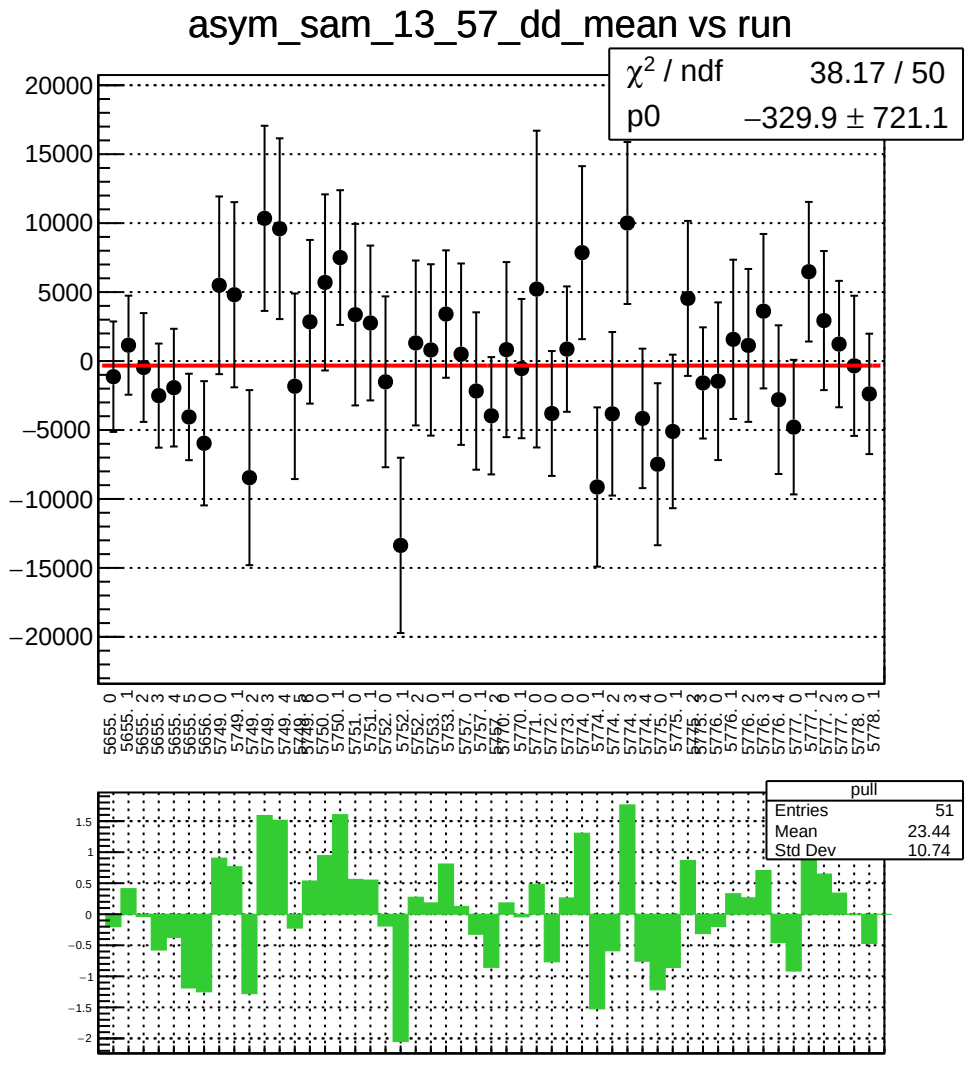

pull1D
Entries 51
Mean 0.03861
Std Dev 0.9897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

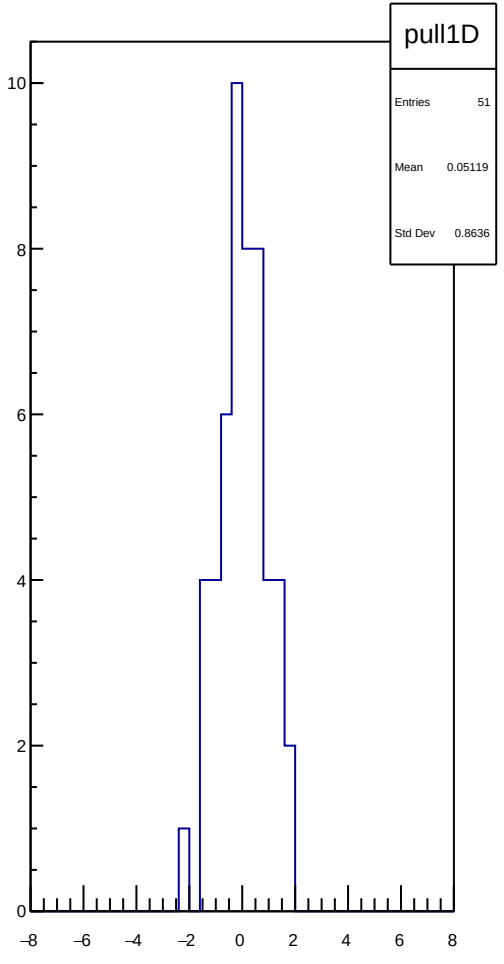

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 3.642e+04 / 50
p0 64.87 ± 0.06463
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

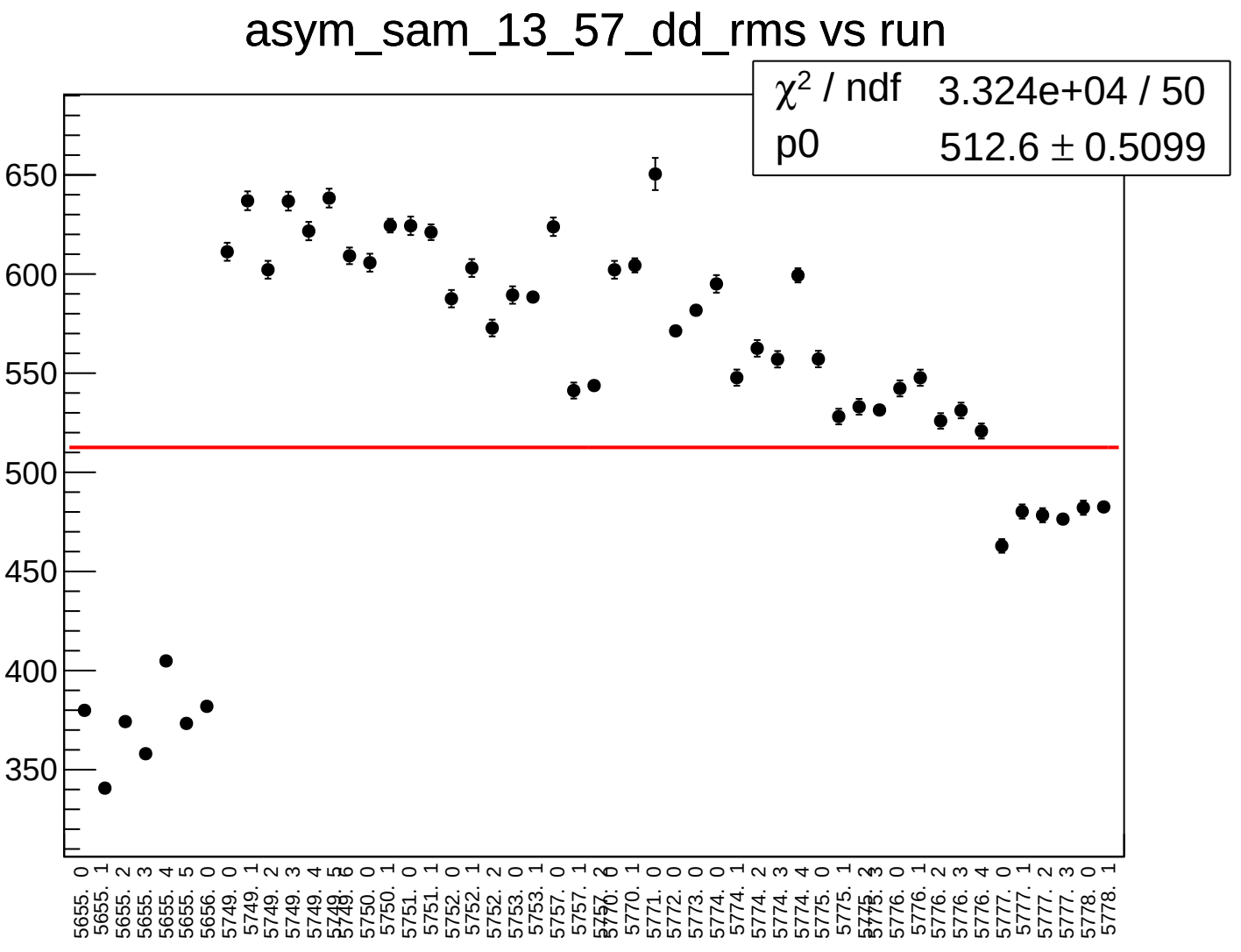

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 39.64 / 50
p0 496.1 ± 693.9
pull
Entries 51
Mean 31.05
Std Dev 7.028

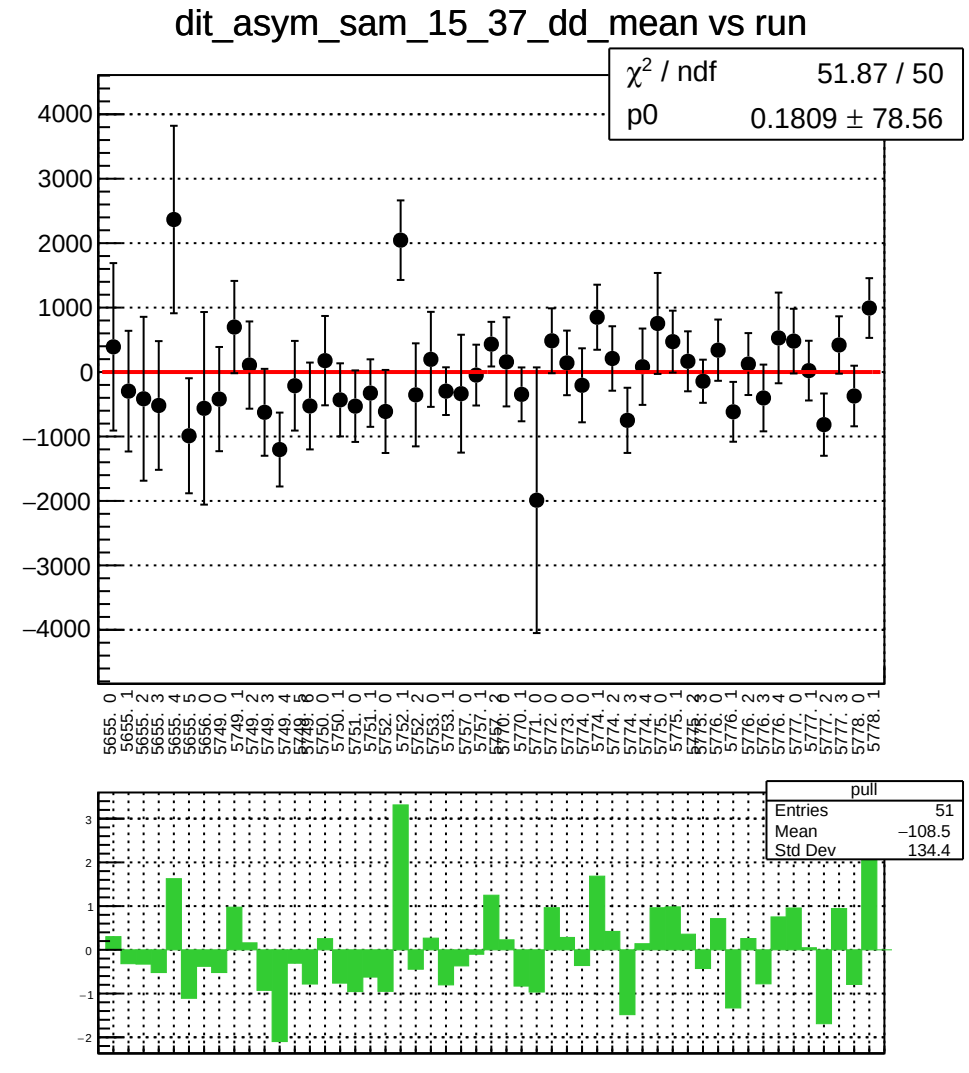

pull1D
Entries 51
Mean −0.05473
Std Dev 0.8799

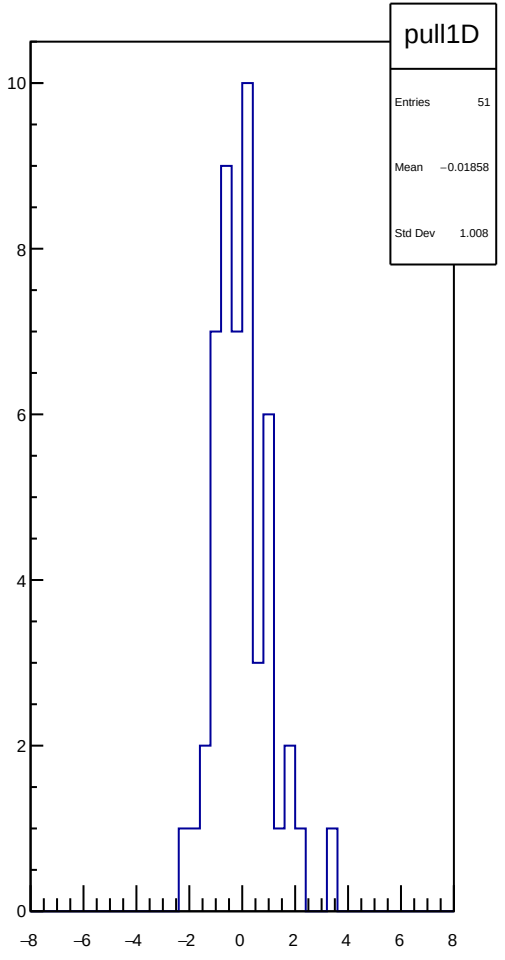

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3.382e+04 / 50
p0 493.1 ± 0.4907
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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

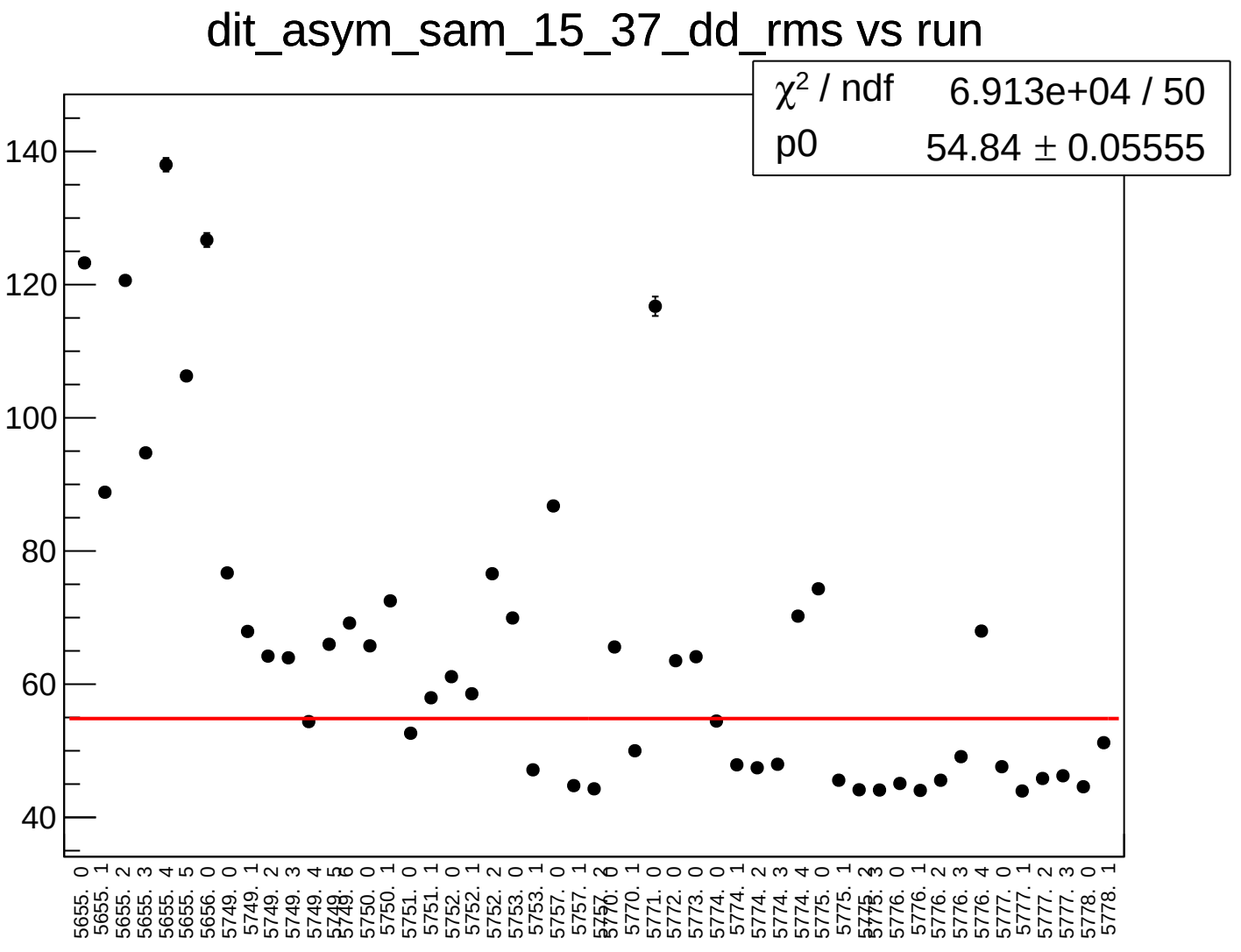

asym_sam_13_57_dd_mean vs run
χ² / ndf 38.17 / 50
p0 −329.9 ± 721.1
pull
Entries 51
Mean 23.44
Std Dev 10.74

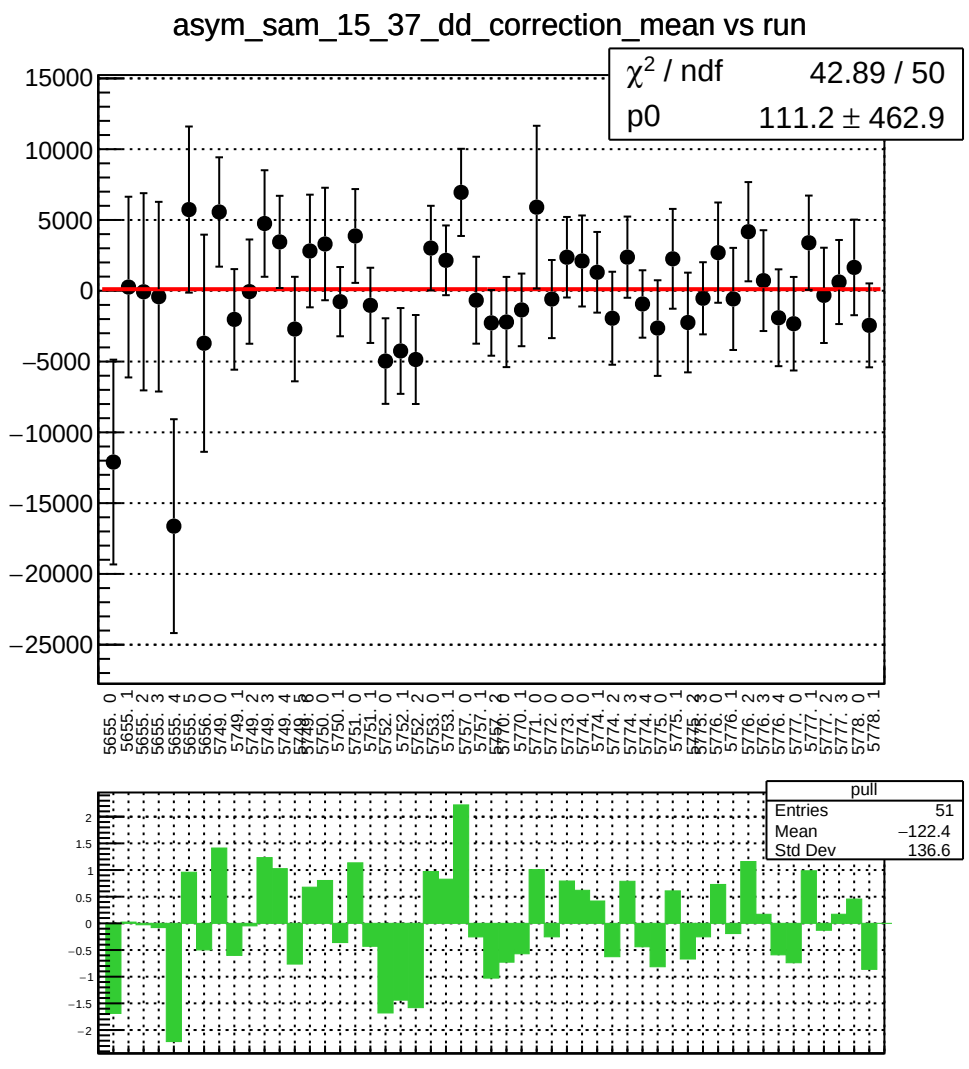

pull1D
Entries 51
Mean 0.05119
Std Dev 0.8636

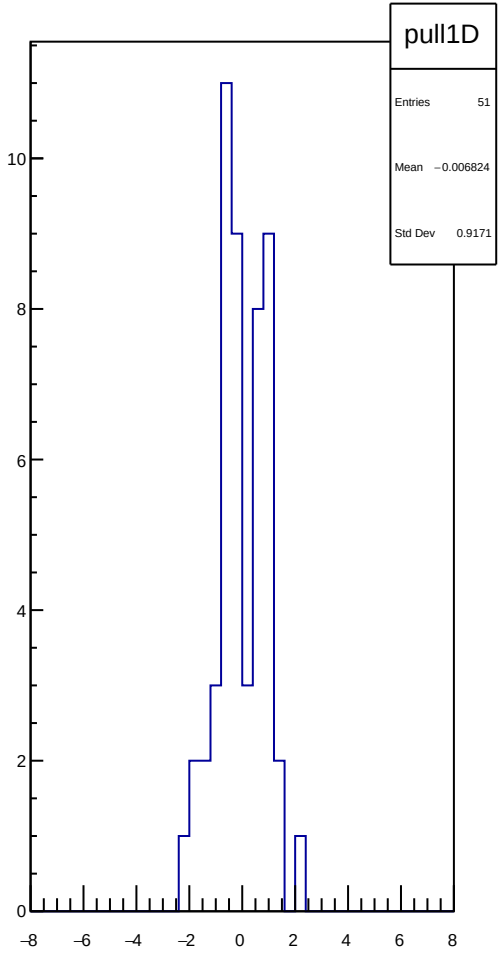

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3.324e+04 / 50
p0 512.6 ± 0.5099
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

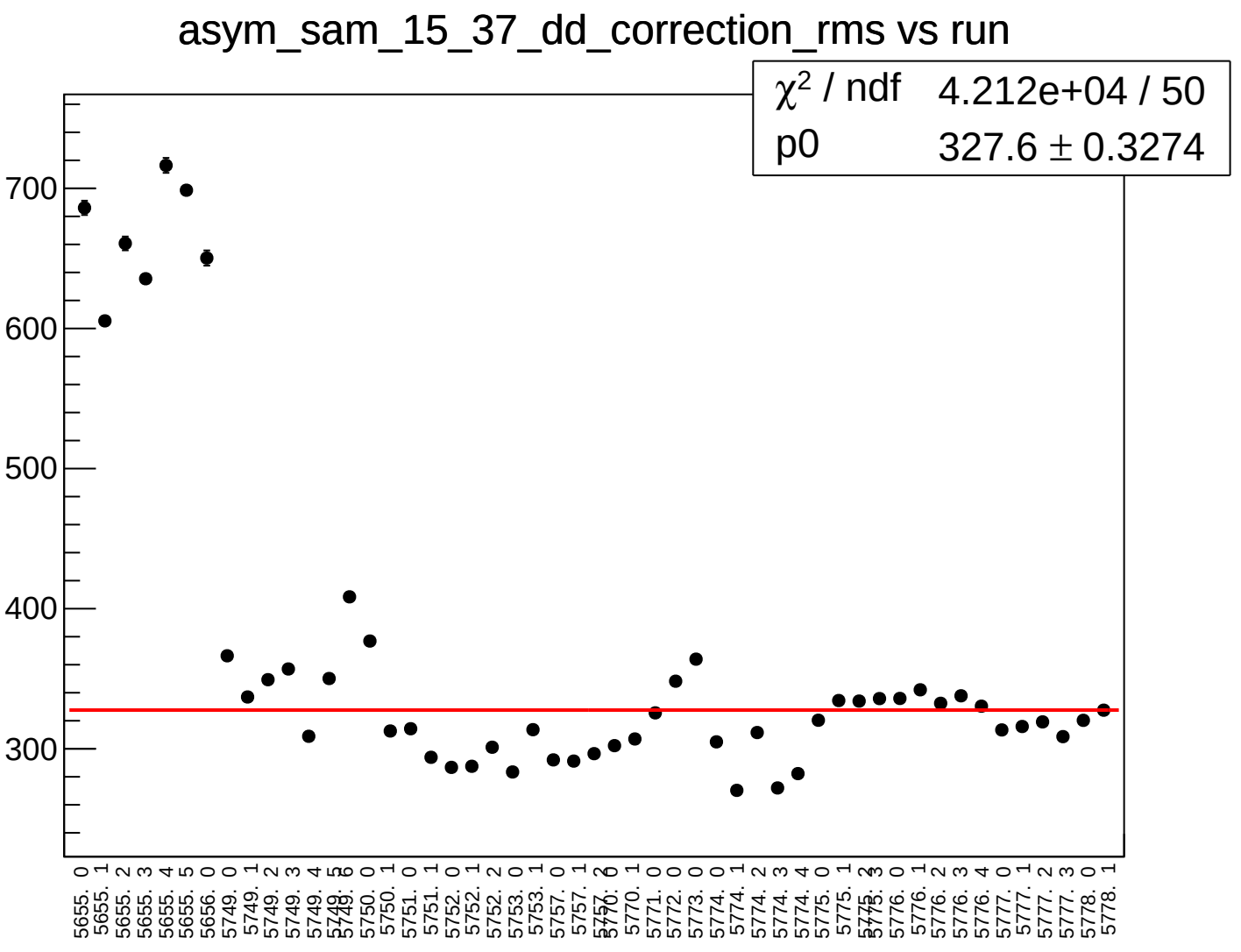

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 51.87 / 50
p0 0.1809 ± 78.56
pull
Entries 51
Mean −108.5
Std Dev 134.4

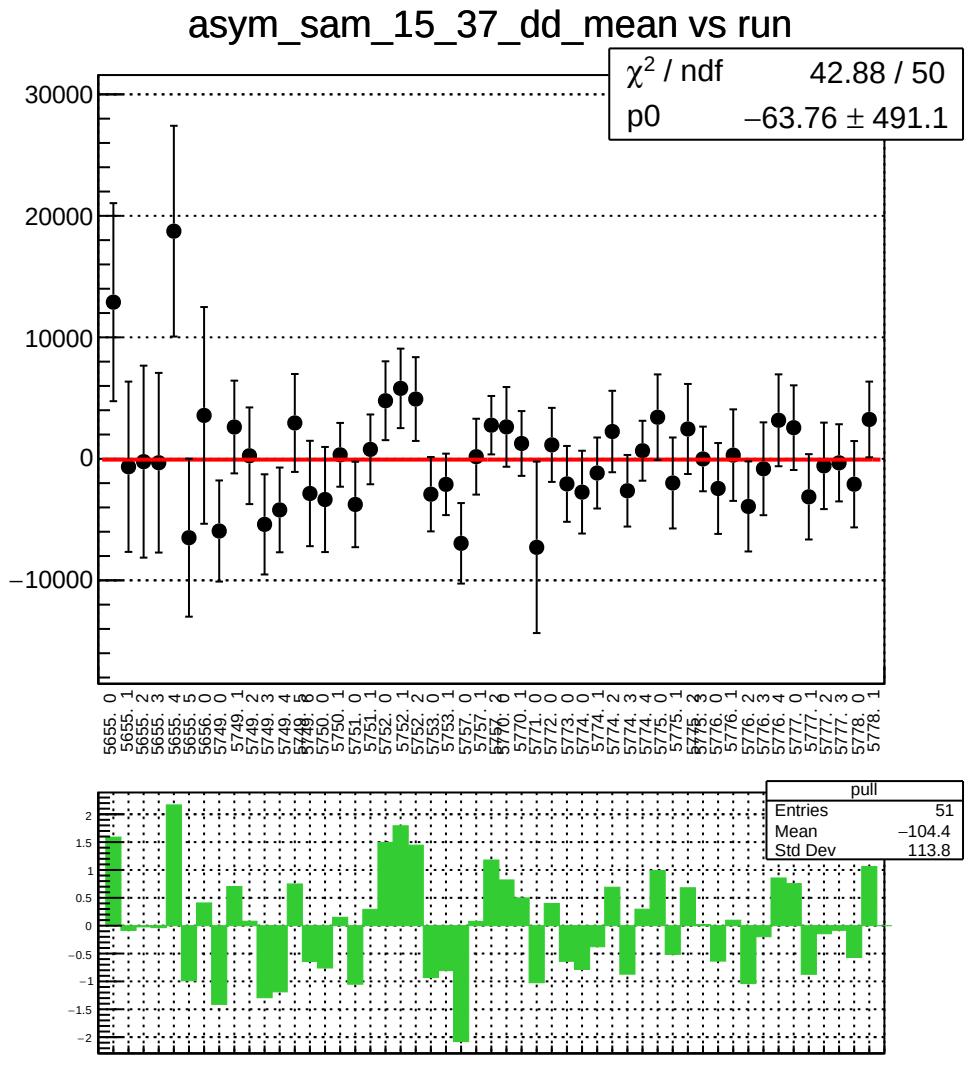

pull1D
Entries 51
Mean −0.01858
Std Dev 1.008

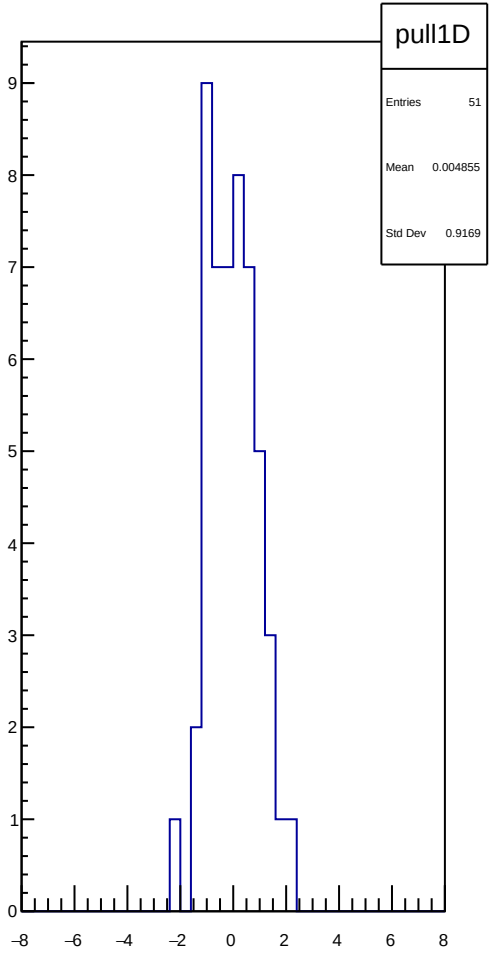

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6.913e+04 / 50
p0 54.84 ± 0.05555
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

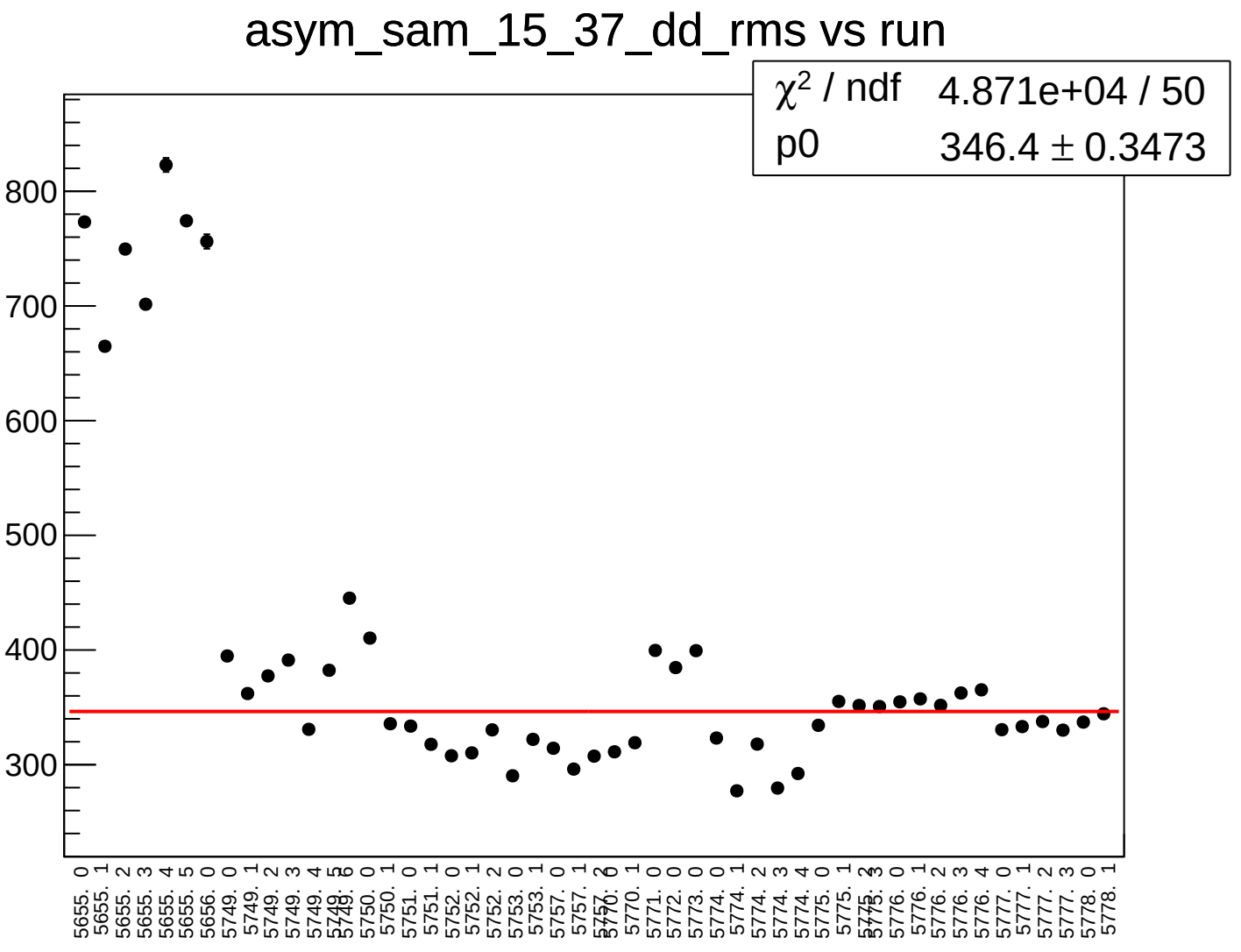

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 42.89 / 50
p0 111.2 ± 462.9
pull
Entries 51
Mean −122.4
Std Dev 136.6

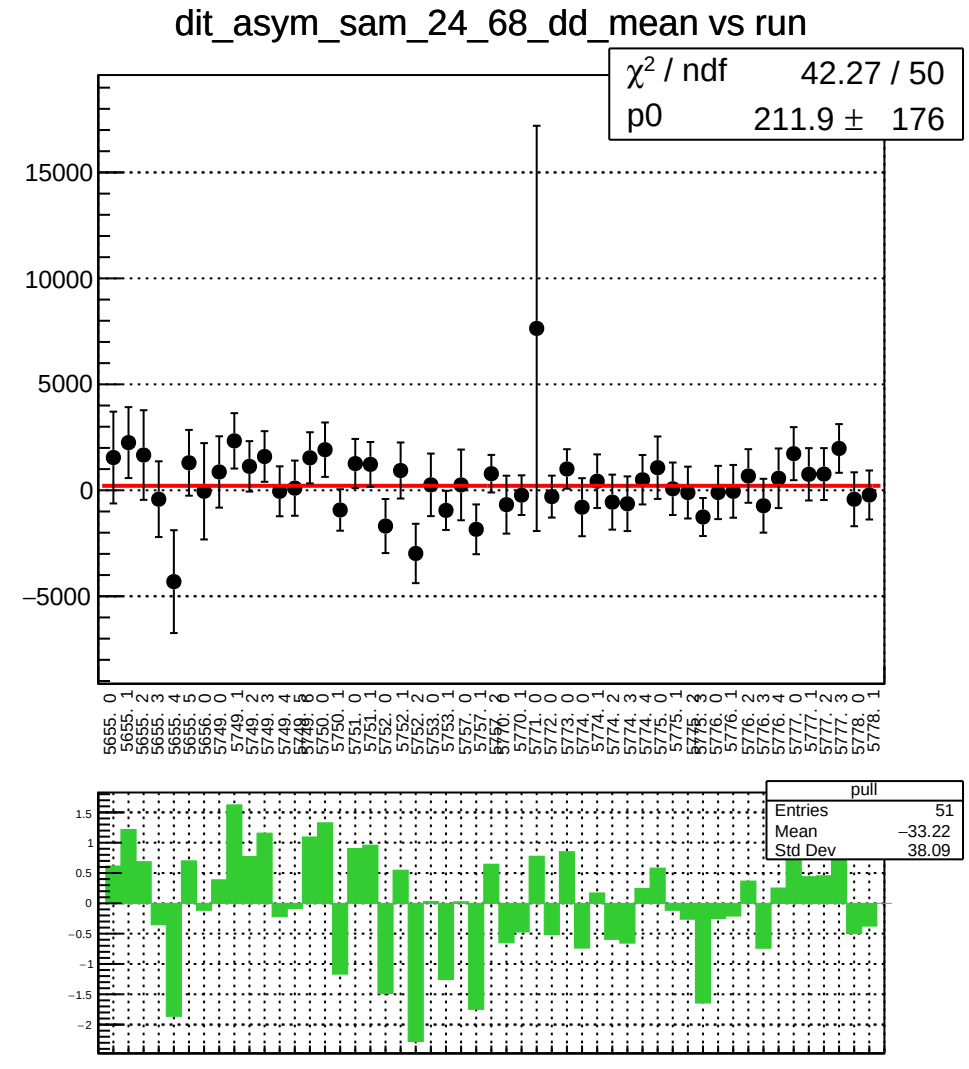

pull1D
Entries 51
Mean −0.006824
Std Dev 0.9171

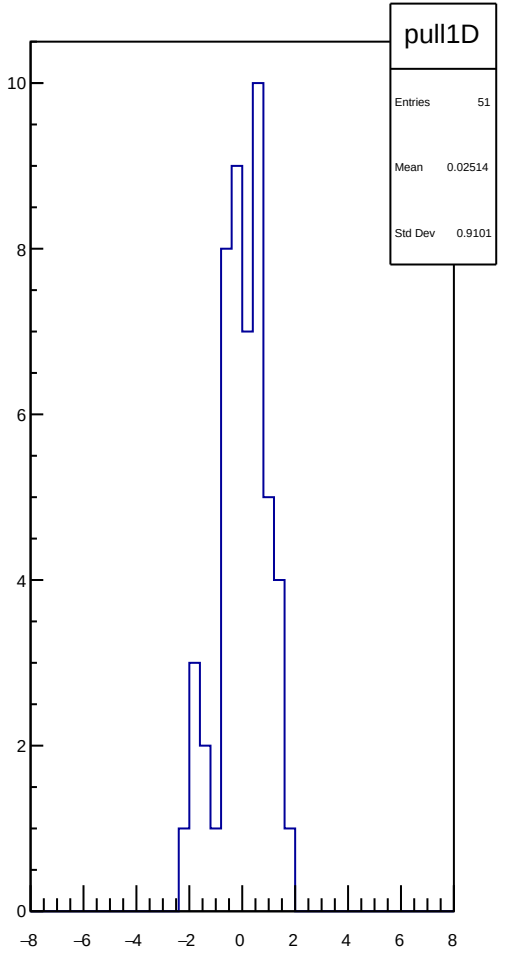

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4.212e+04 / 50
p0 327.6 ± 0.3274
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

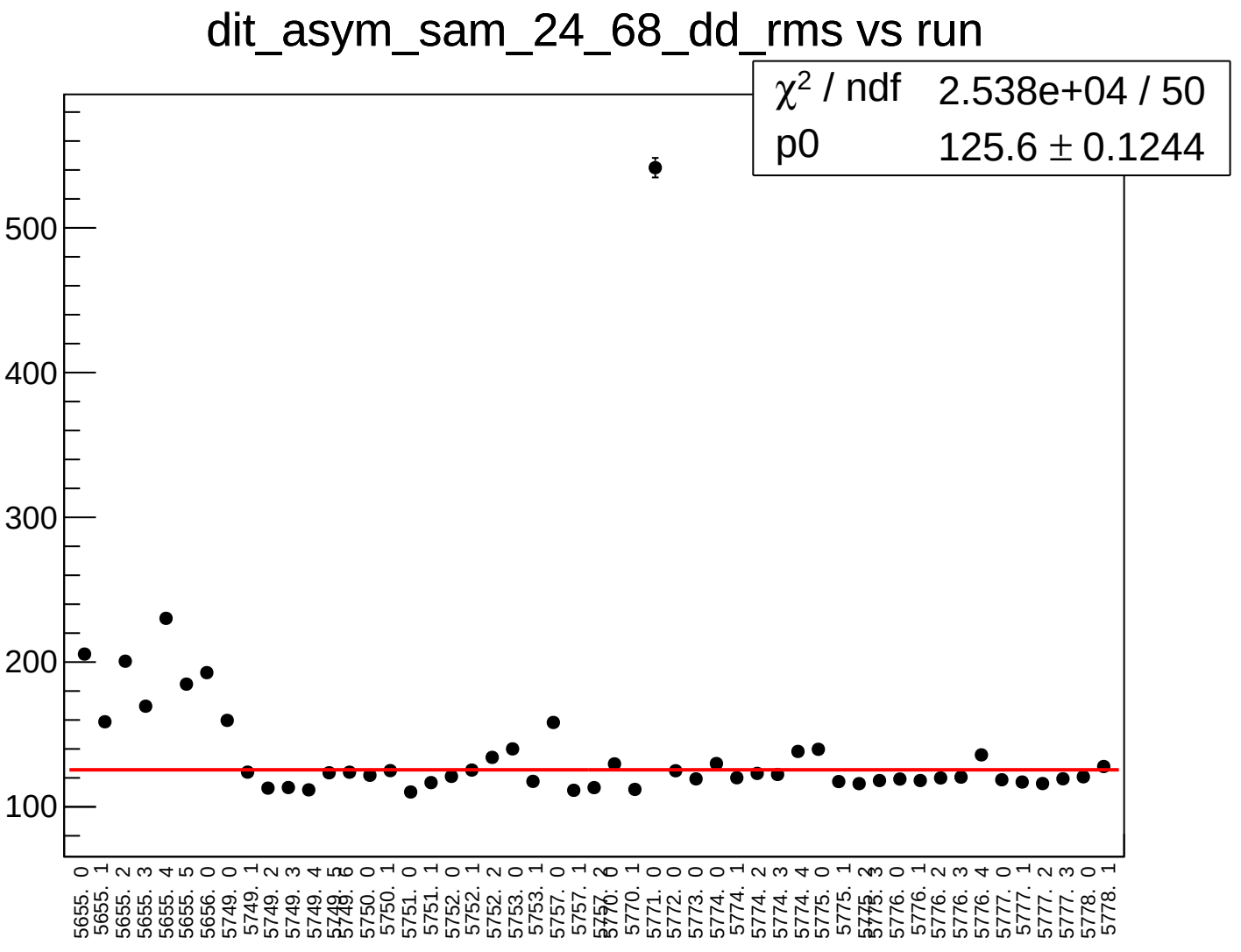

asym_sam_15_37_dd_mean vs run
χ² / ndf 42.88 / 50
p0 −63.76 ± 491.1
30000
20000
10000
0
−10000
pull
Entries 51
Mean −104.4
Std Dev 113.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

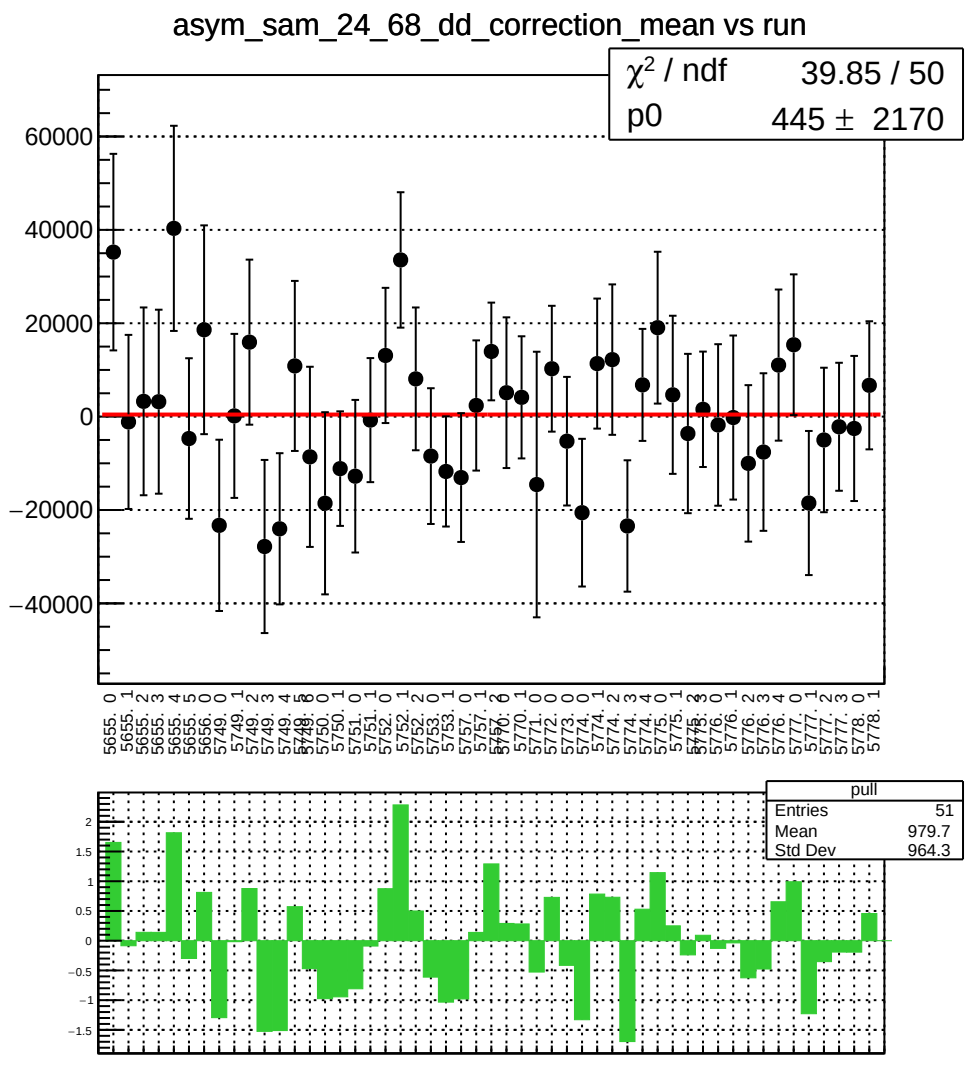

pull1D
Entries 51
Mean 0.004855
Std Dev 0.9169
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

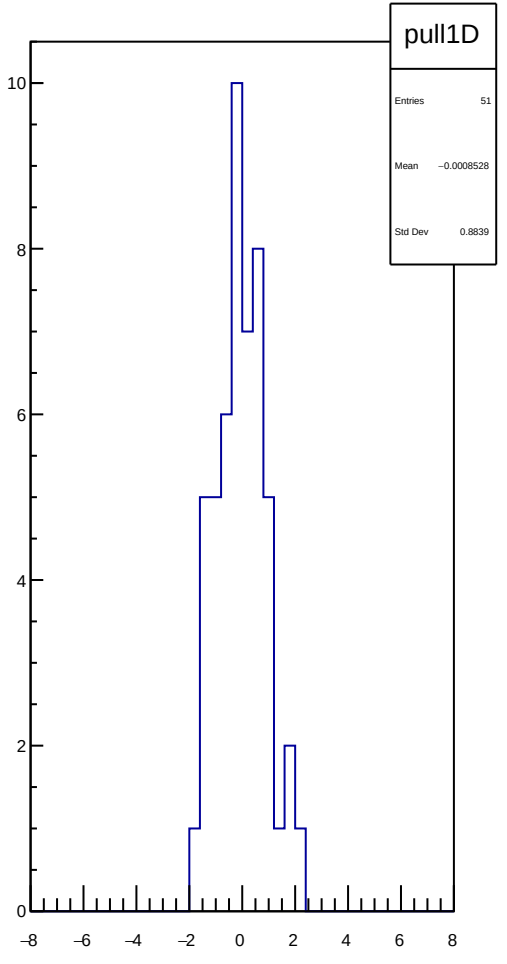

asym_sam_15_37_dd_rms vs run
χ² / ndf 4.871e+04 / 50
p0 346.4 ± 0.3473
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

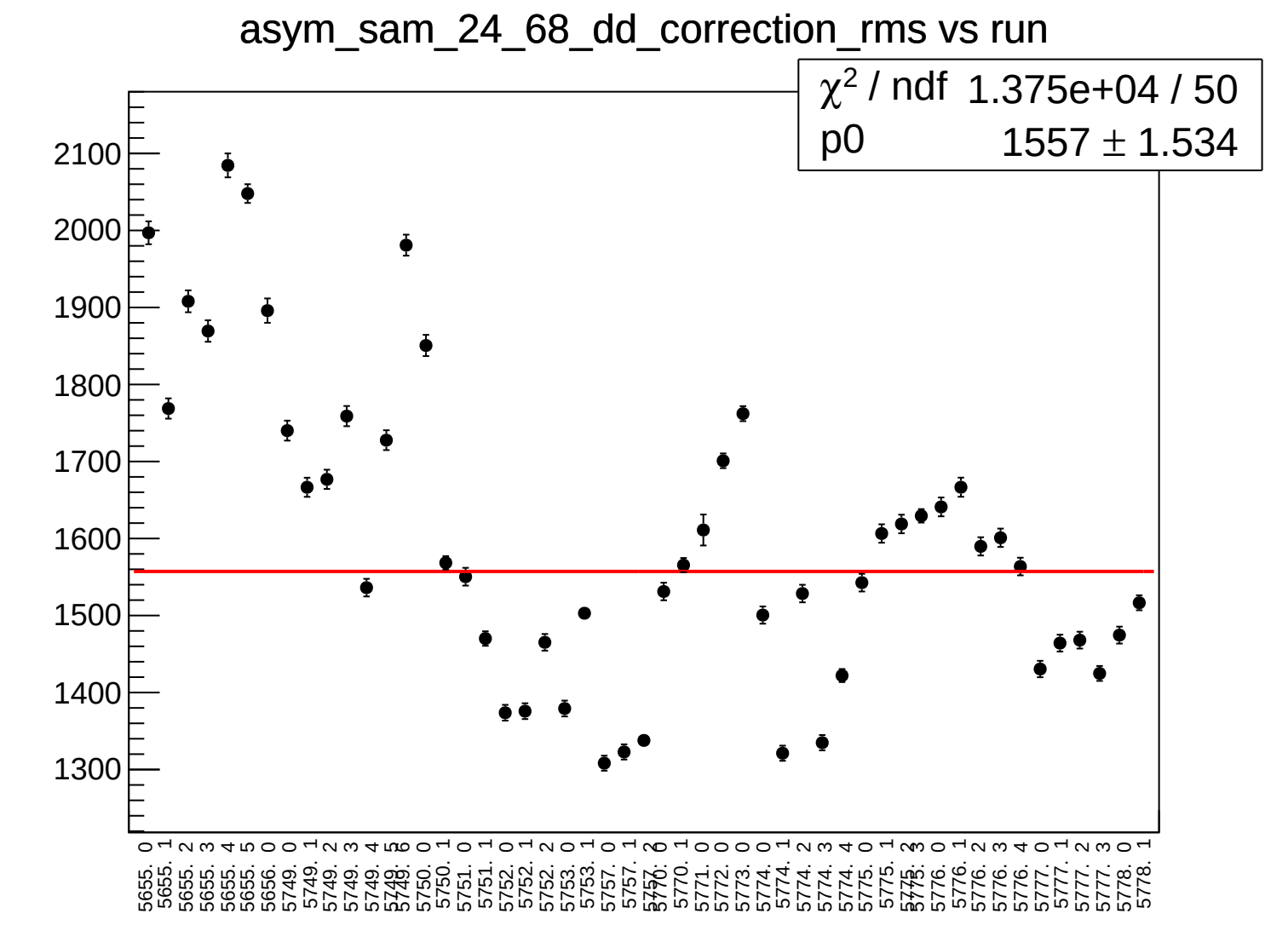

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 42.27 / 50
p0 211.9 ± 176
15000
10000
5000
0
−5000
pull
Entries 51
Mean −33.22
Std Dev 38.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2

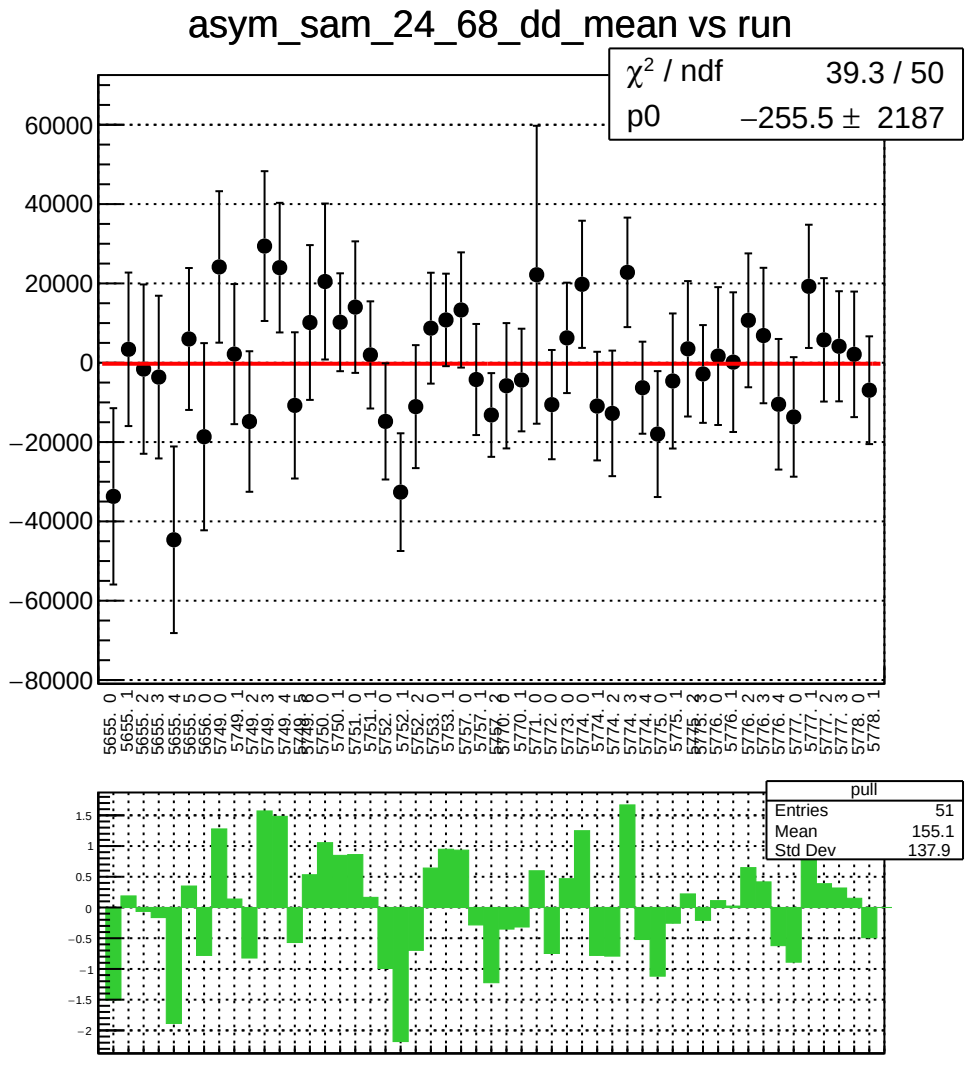

pull1D
Entries 51
Mean 0.02514
Std Dev 0.9101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

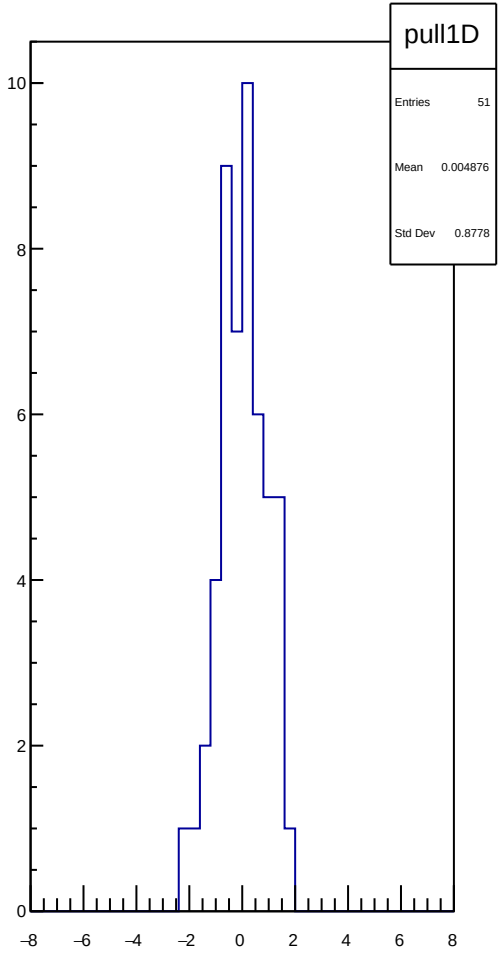

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.538e+04 / 50
p0 125.6 ± 0.1244
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

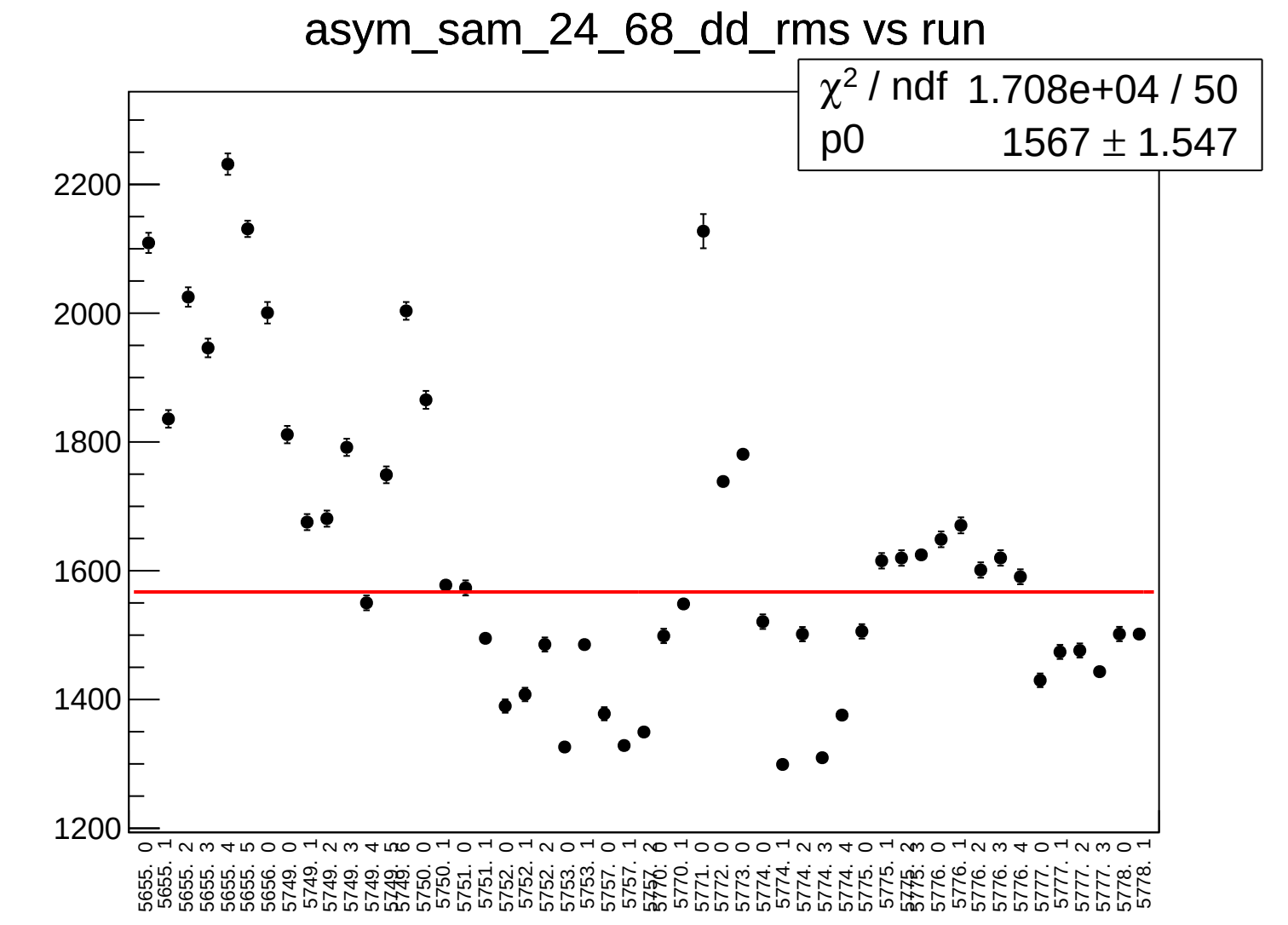

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 39.85 / 50
p0 445 ± 2170
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 979.7
Std Dev 964.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

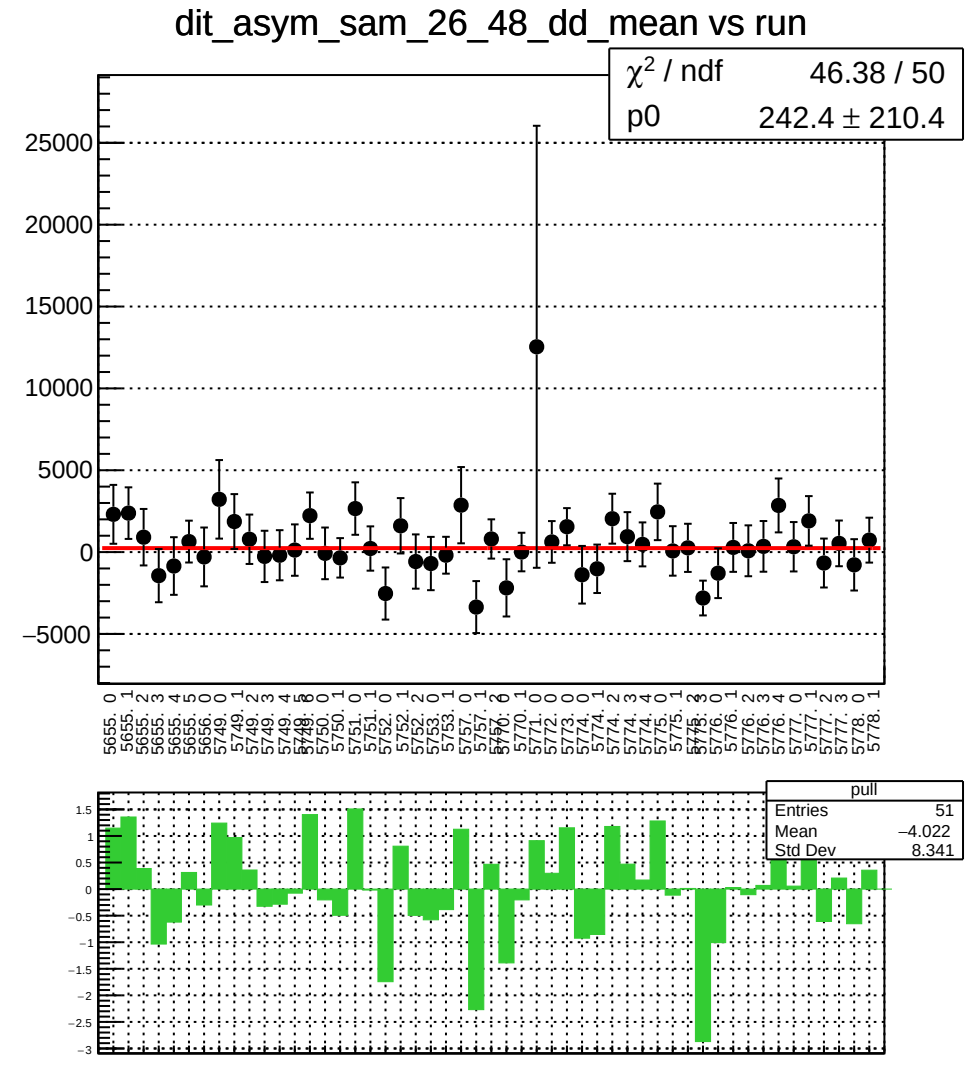

pull1D
Entries 51
Mean −0.0008528
Std Dev 0.8839
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

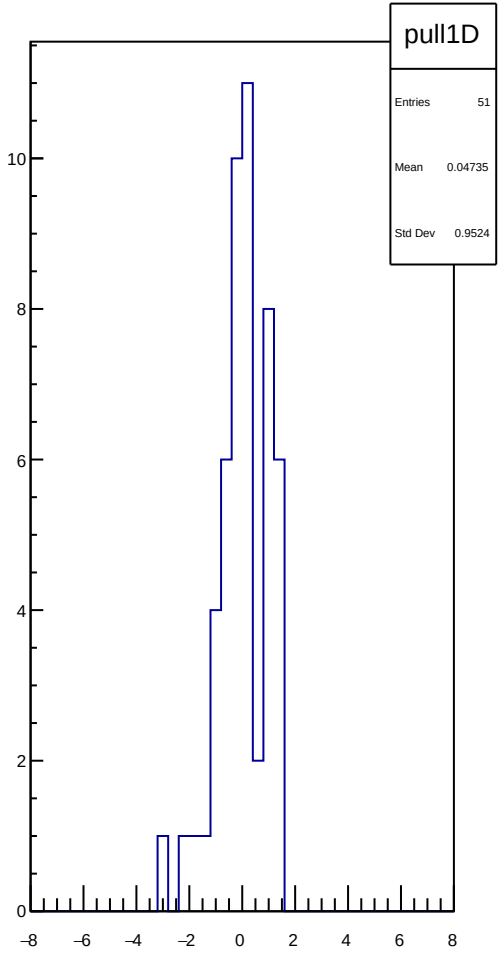

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.375e+04 / 50
p0 1557 ± 1.534
2100
2000
1900
1800
1700
1600
1500
1400
1300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
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

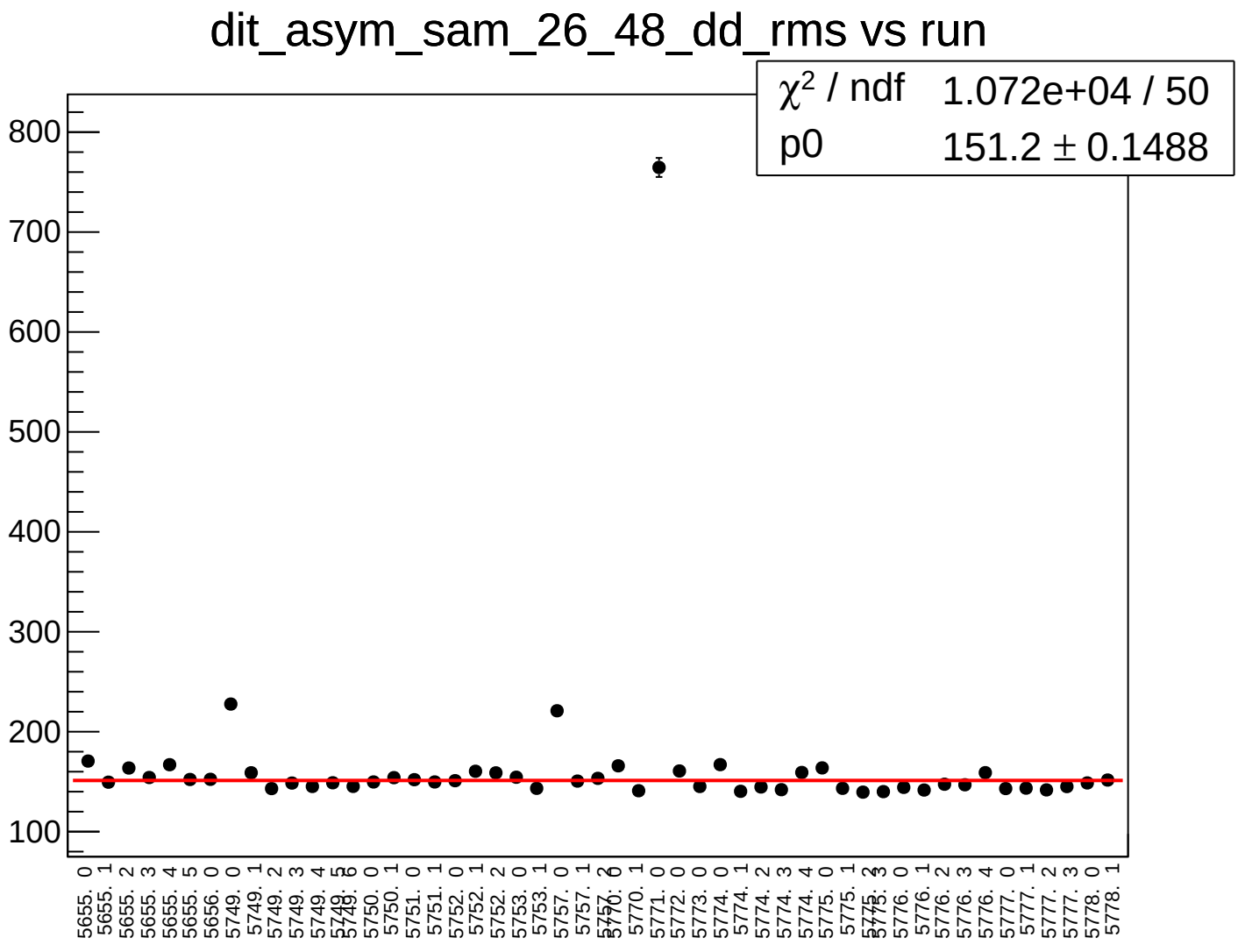

asym_sam_24_68_dd_mean vs run
χ² / ndf 39.3 / 50
p0 −255.5 ± 2187
pull
Entries 51
Mean 155.1
Std Dev 137.9


pull1D
Entries 51
Mean 0.004876
Std Dev 0.8778

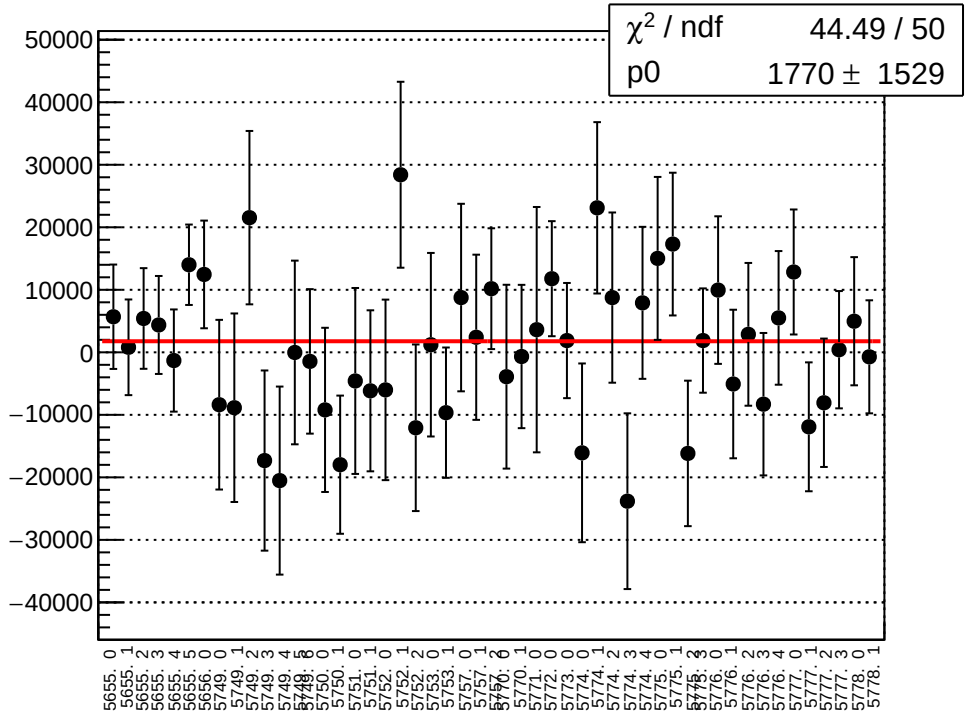

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.708e+04 / 50
p0 1567 ± 1.547
2200
2000
1800
1600
1400
1200
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

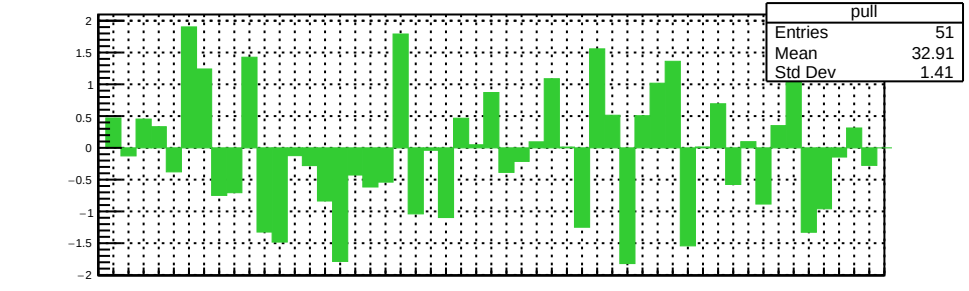

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 46.38 / 50
p0 242.4 ± 210.4
pull
Entries 51
Mean −4.022
Std Dev 8.341

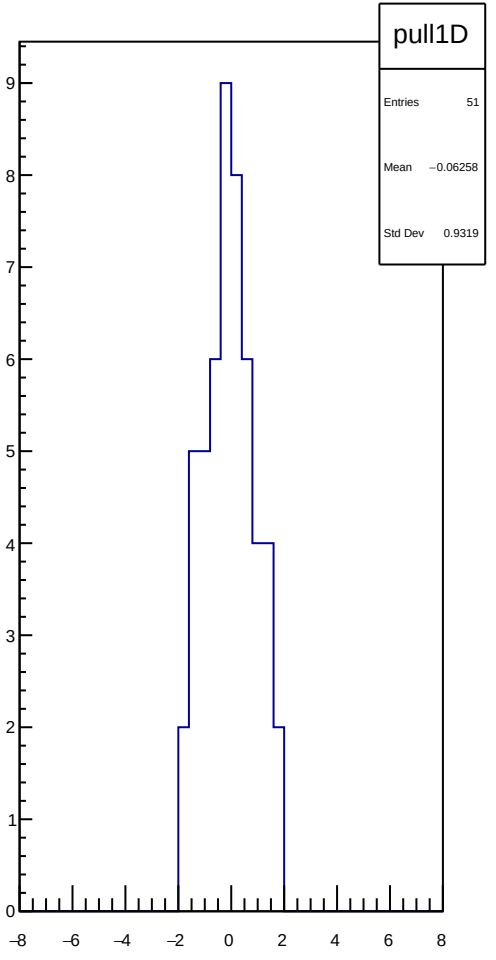

pull1D
Entries 51
Mean 0.04735
Std Dev 0.9524

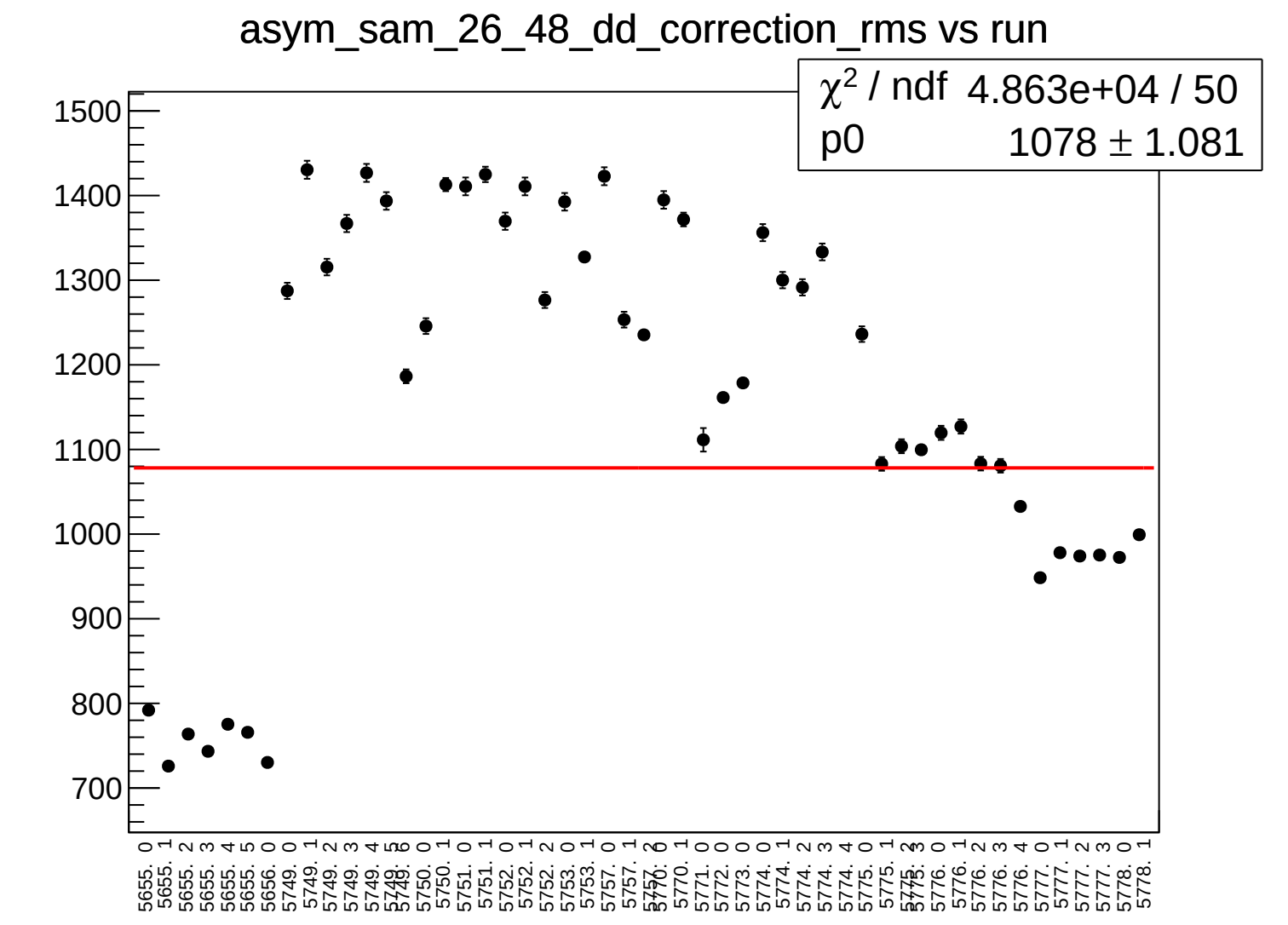

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.072e+04 / 50
p0 151.2 ± 0.1488
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

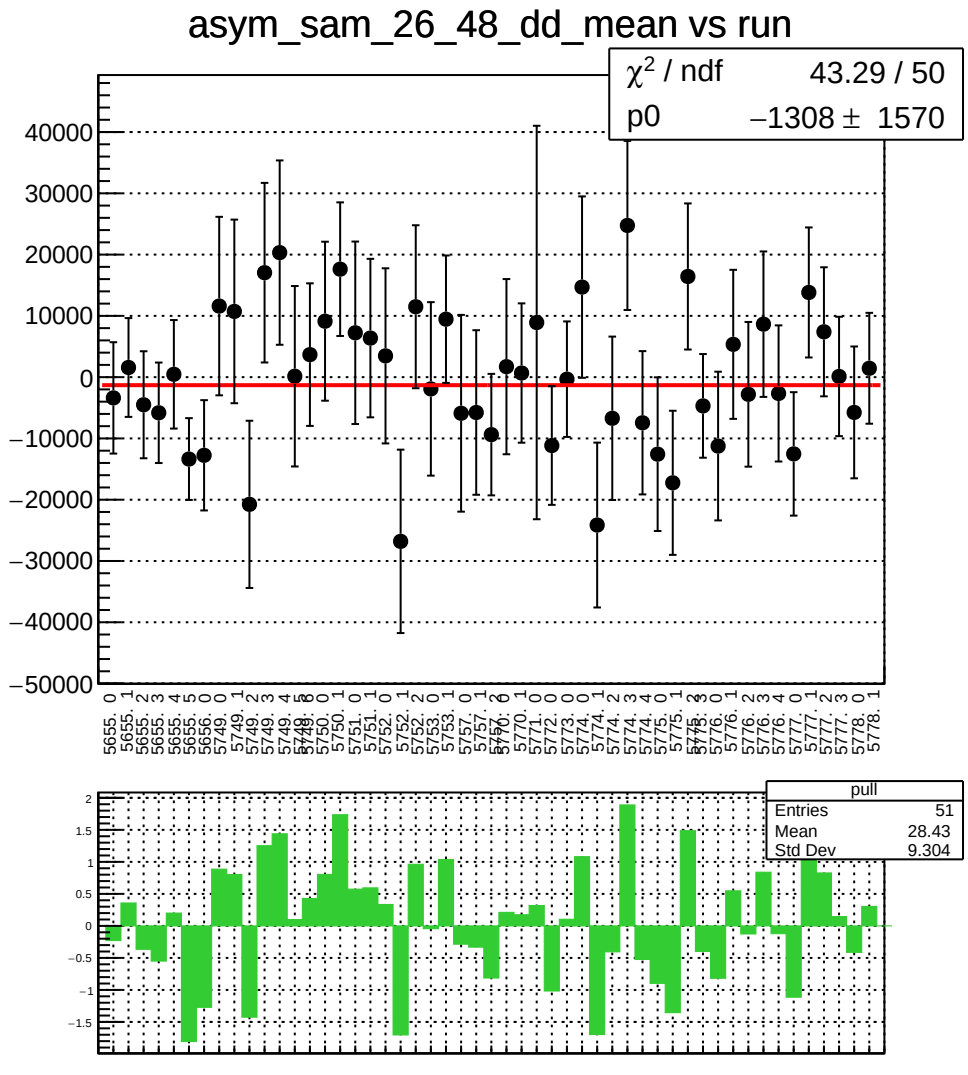
asym_sam_26_48_dd_correction_mean vs run

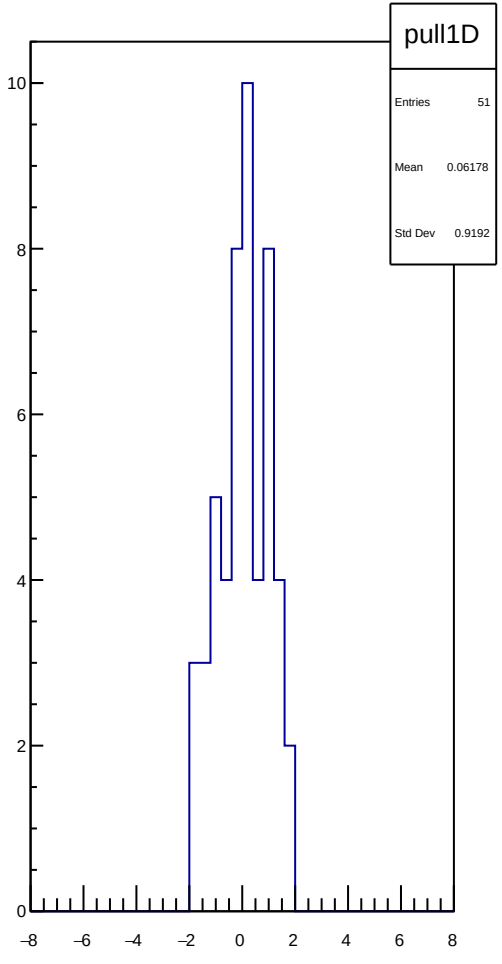


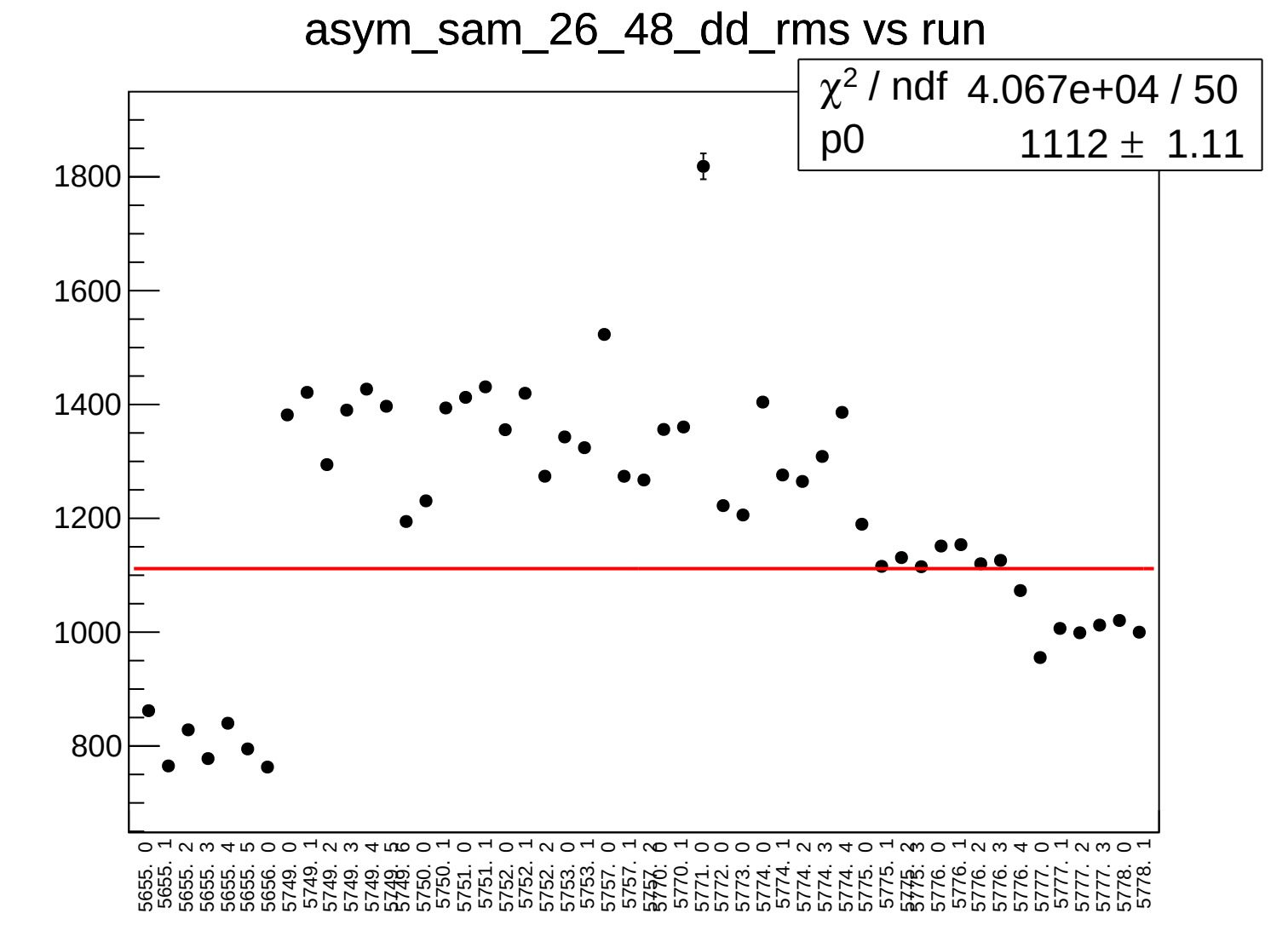


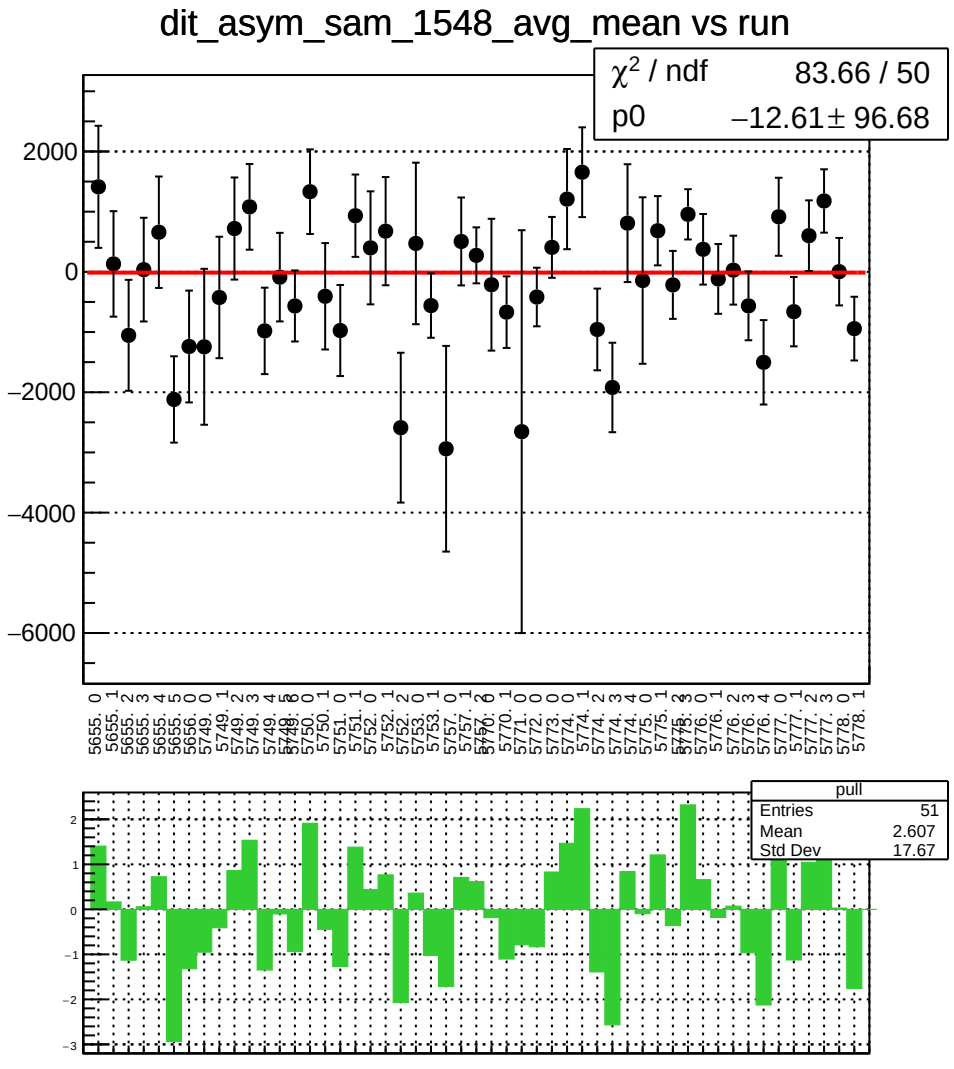


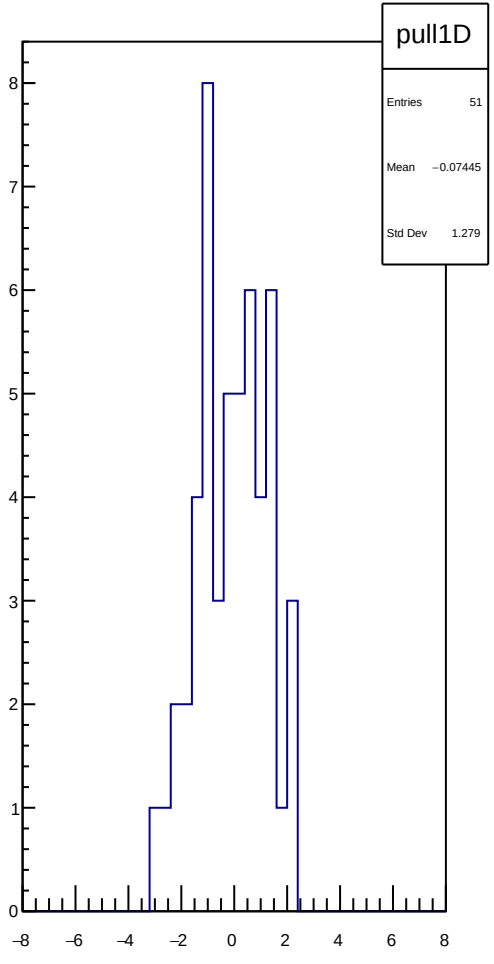

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4.863e+04 / 50
p0 1078 ± 1.081
1500
1400
1300
1200
1100
1000
900
800
700
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 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

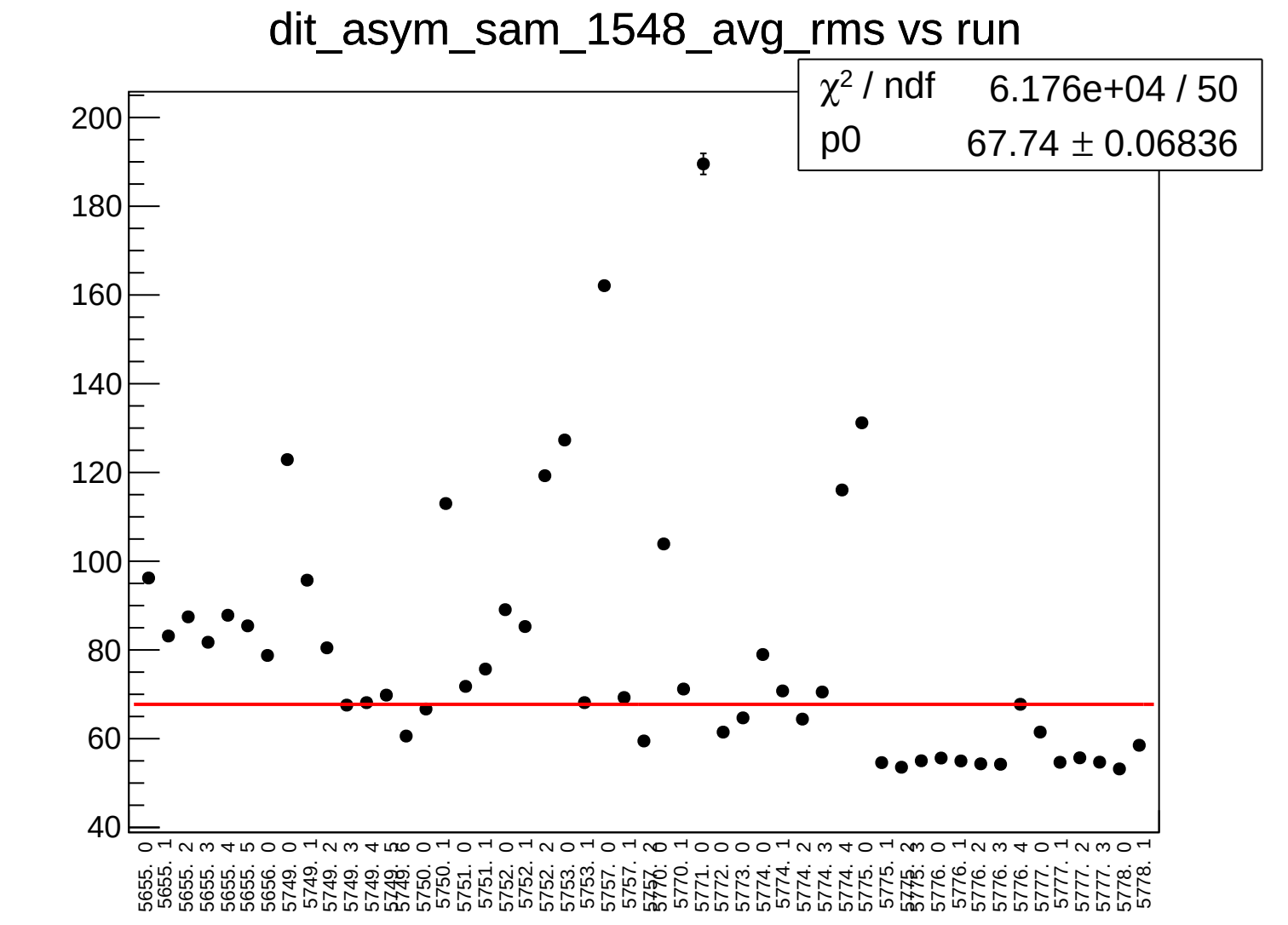

asym_sam_26_48_dd_mean vs run
χ² / ndf 43.29 / 50
p0 −1308 ± 1570
pull
Entries 51
Mean 28.43
Std Dev 9.304

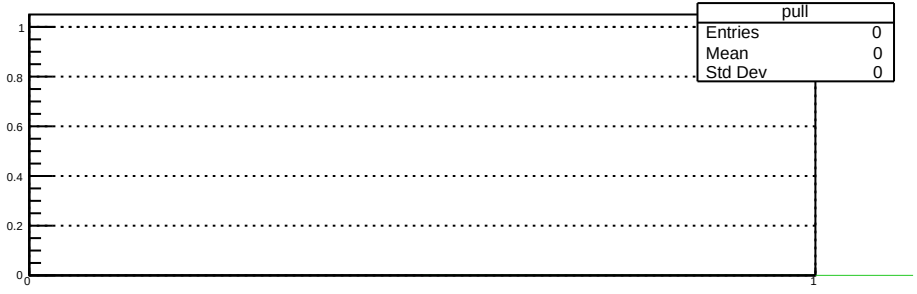

pull1D
Entries 51
Mean 0.06178
Std Dev 0.9192

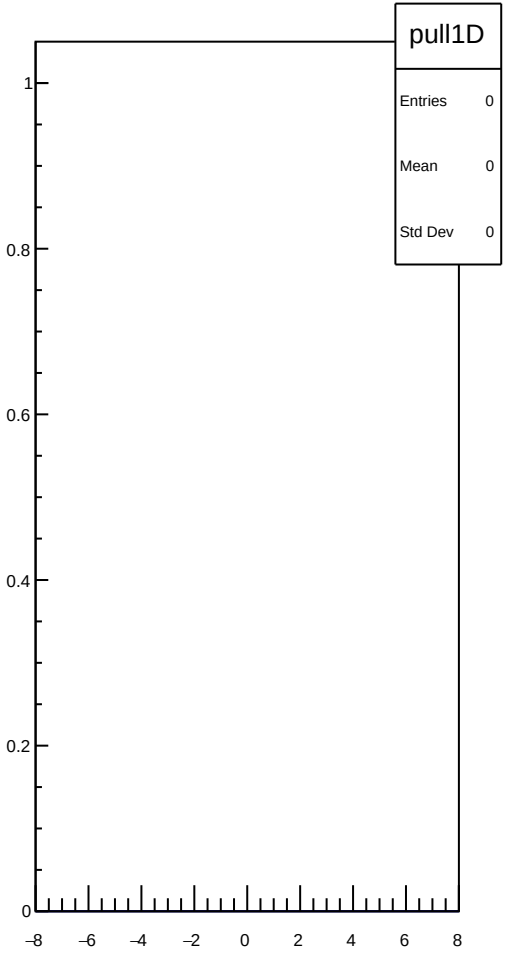

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 4.067e+04 / 50
p0 1112 ± 1.11
1800
1600
1400
1200
1000
800
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

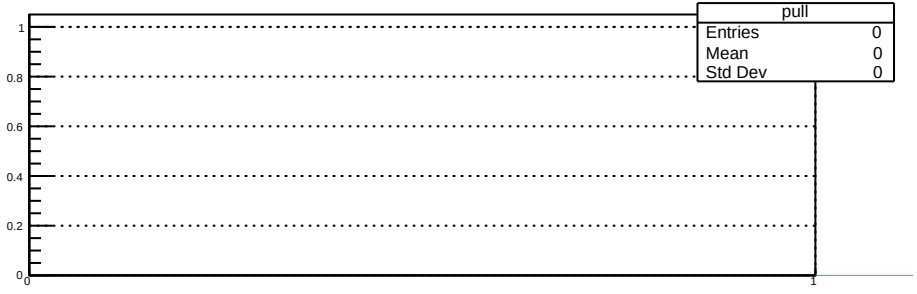

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.66 / 50
p0 −12.61 ± 96.68
2000
0
−2000
−4000
−6000
pull
Entries 51
Mean 2.607
Std Dev 17.67

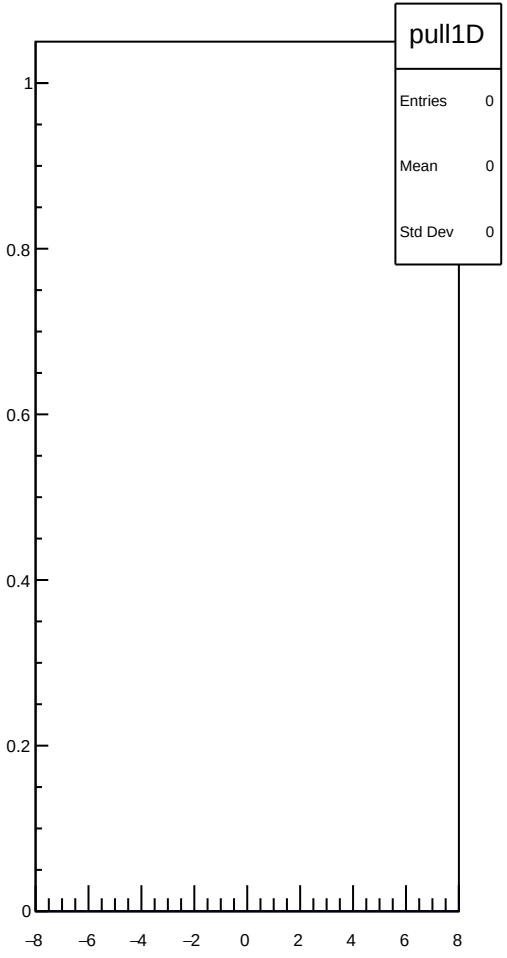

pull1D
Entries 51
Mean −0.07445
Std Dev 1.279

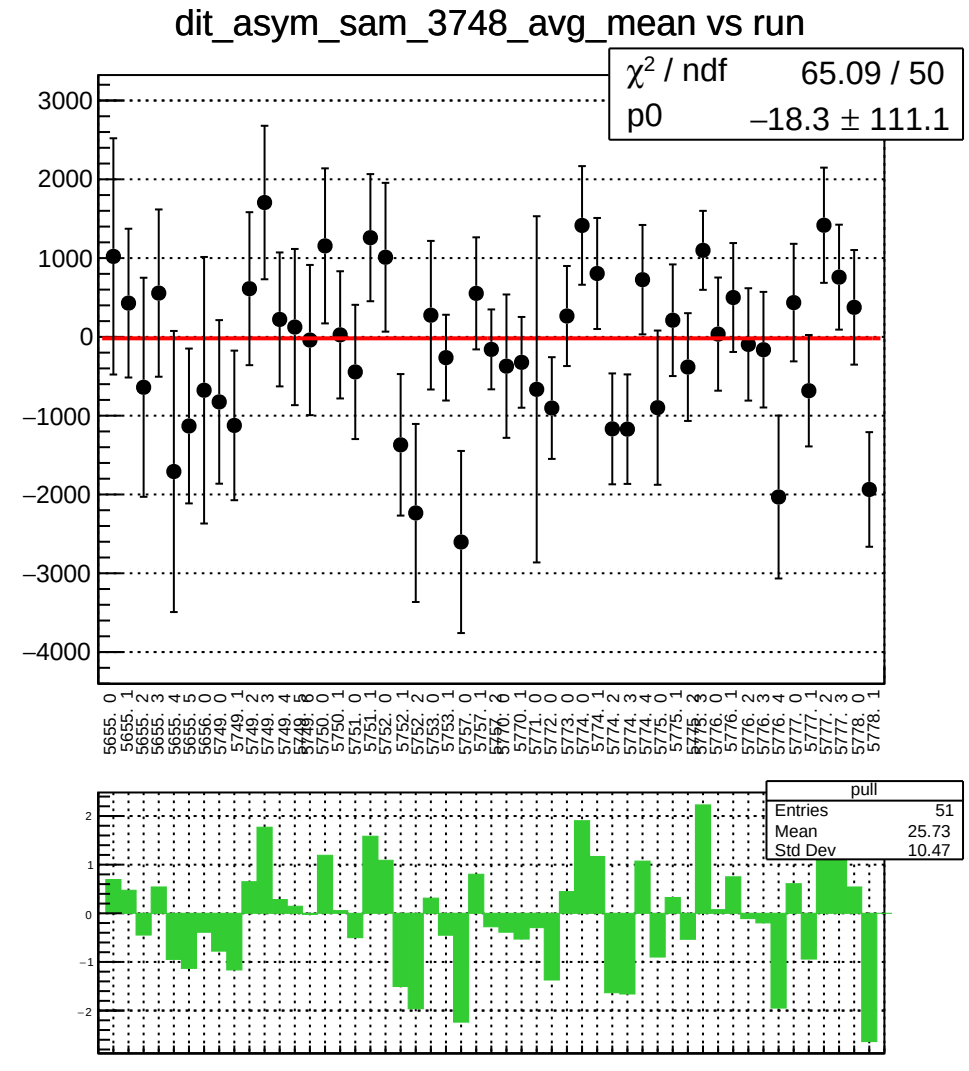

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 6.176e+04 / 50
p0 67.74 ± 0.06836
200
180
160
140
120
100
80
60
40
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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

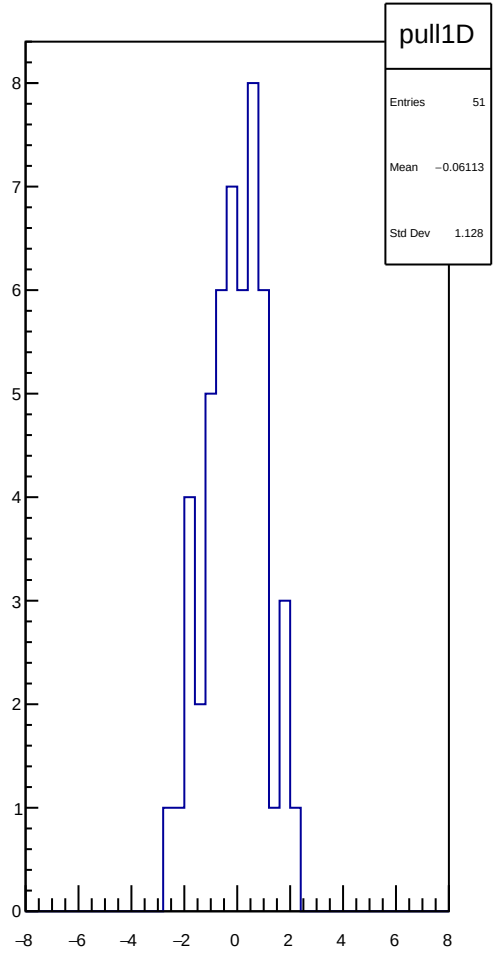

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

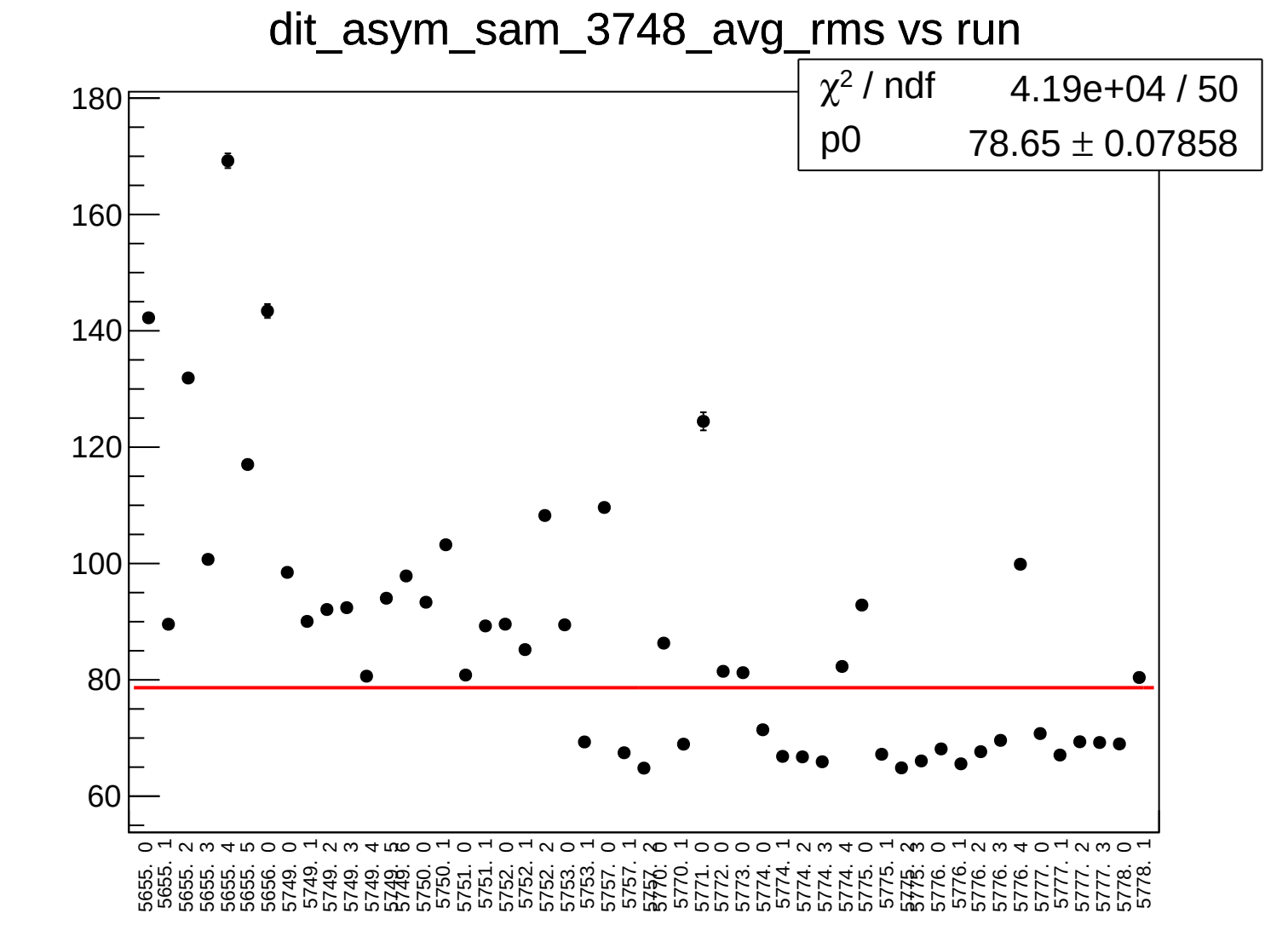

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

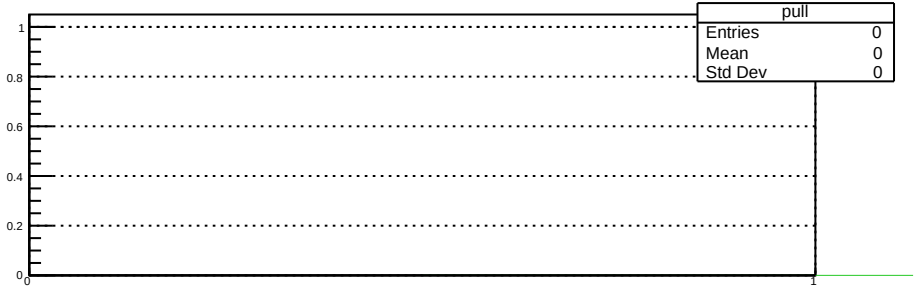

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

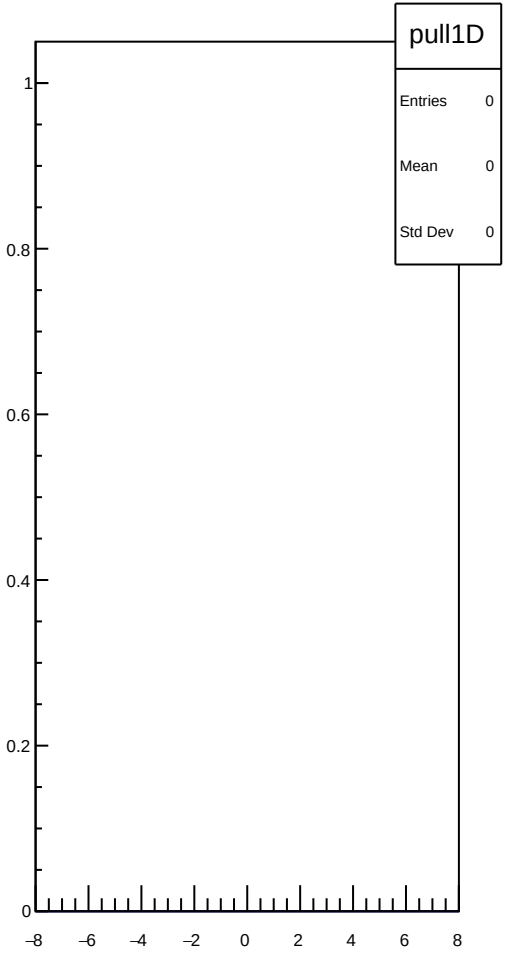

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

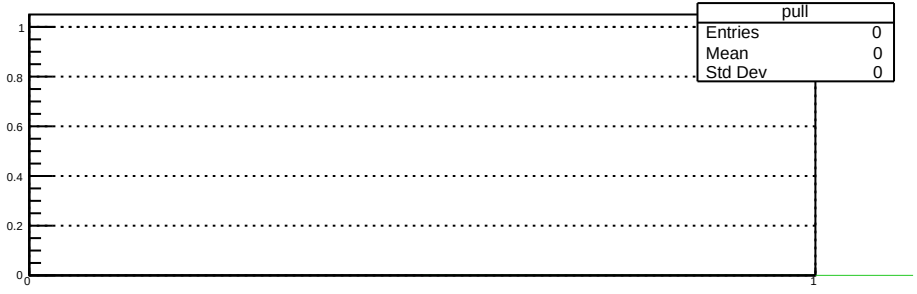

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 65.09 / 50
p0 −18.3 ± 111.1
pull
Entries 51
Mean 25.73
Std Dev 10.47

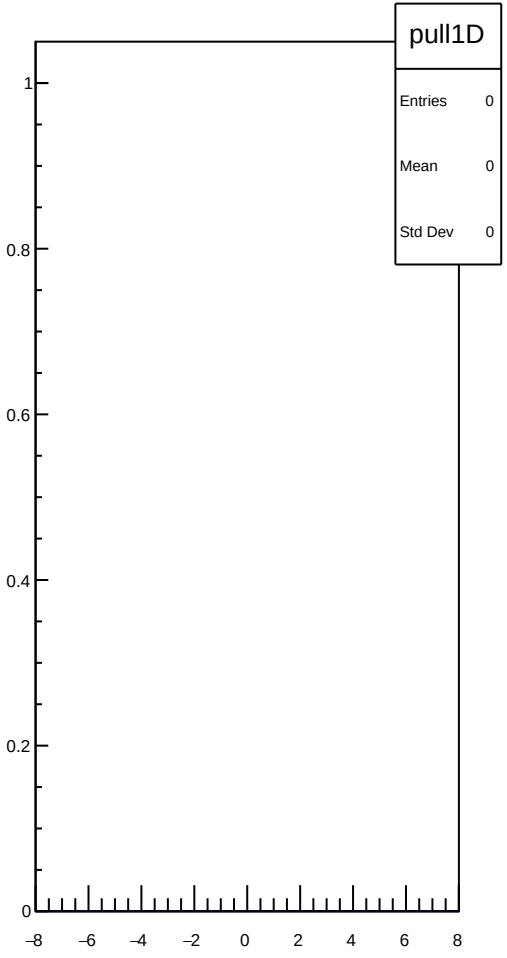

pull1D
Entries 51
Mean −0.06113
Std Dev 1.128

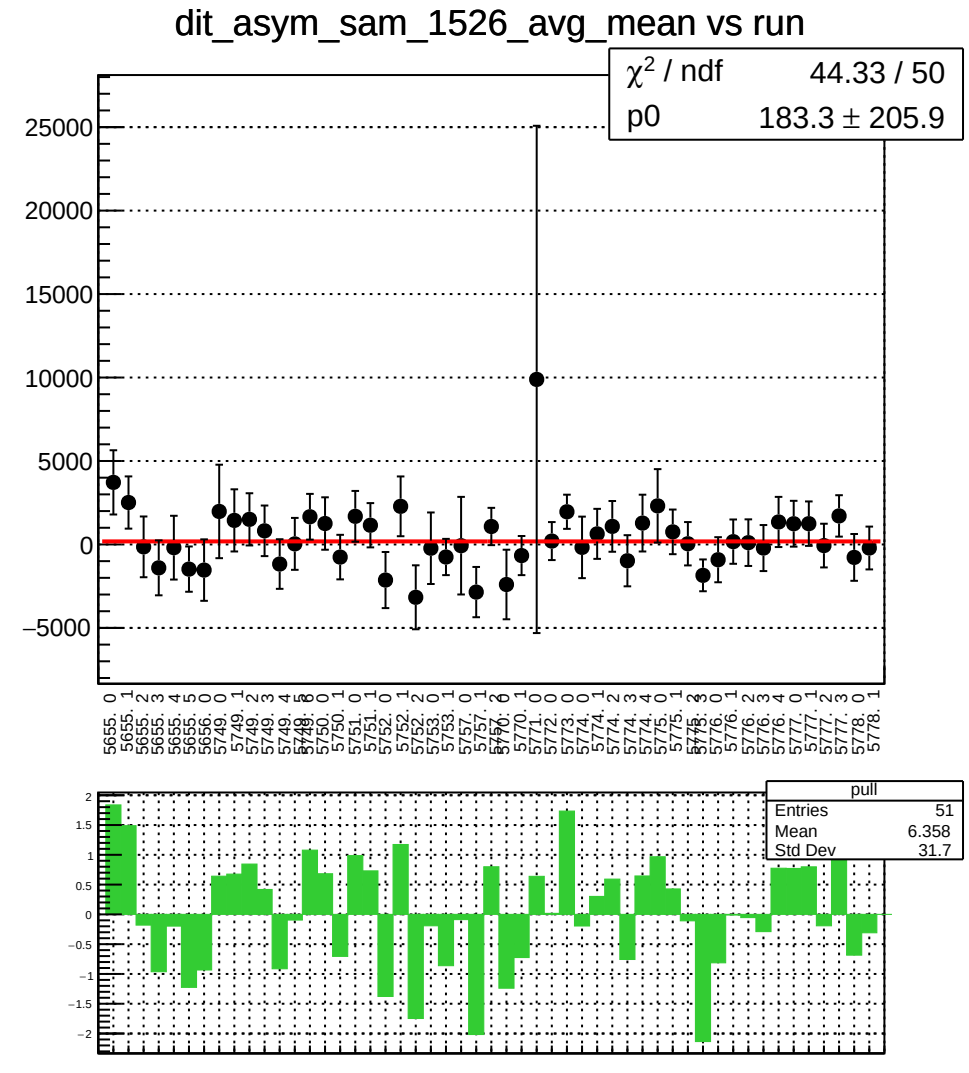

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.19e+04 / 50
p0 78.65 ± 0.07858
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

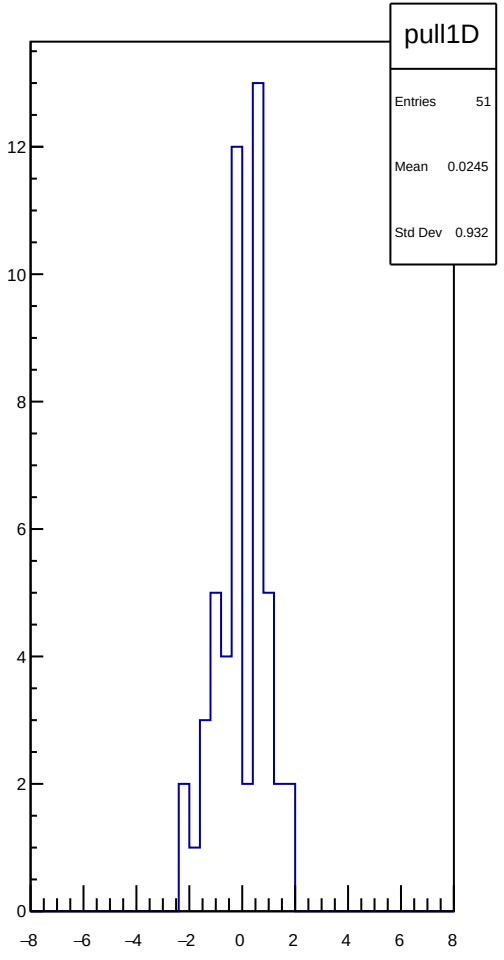

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

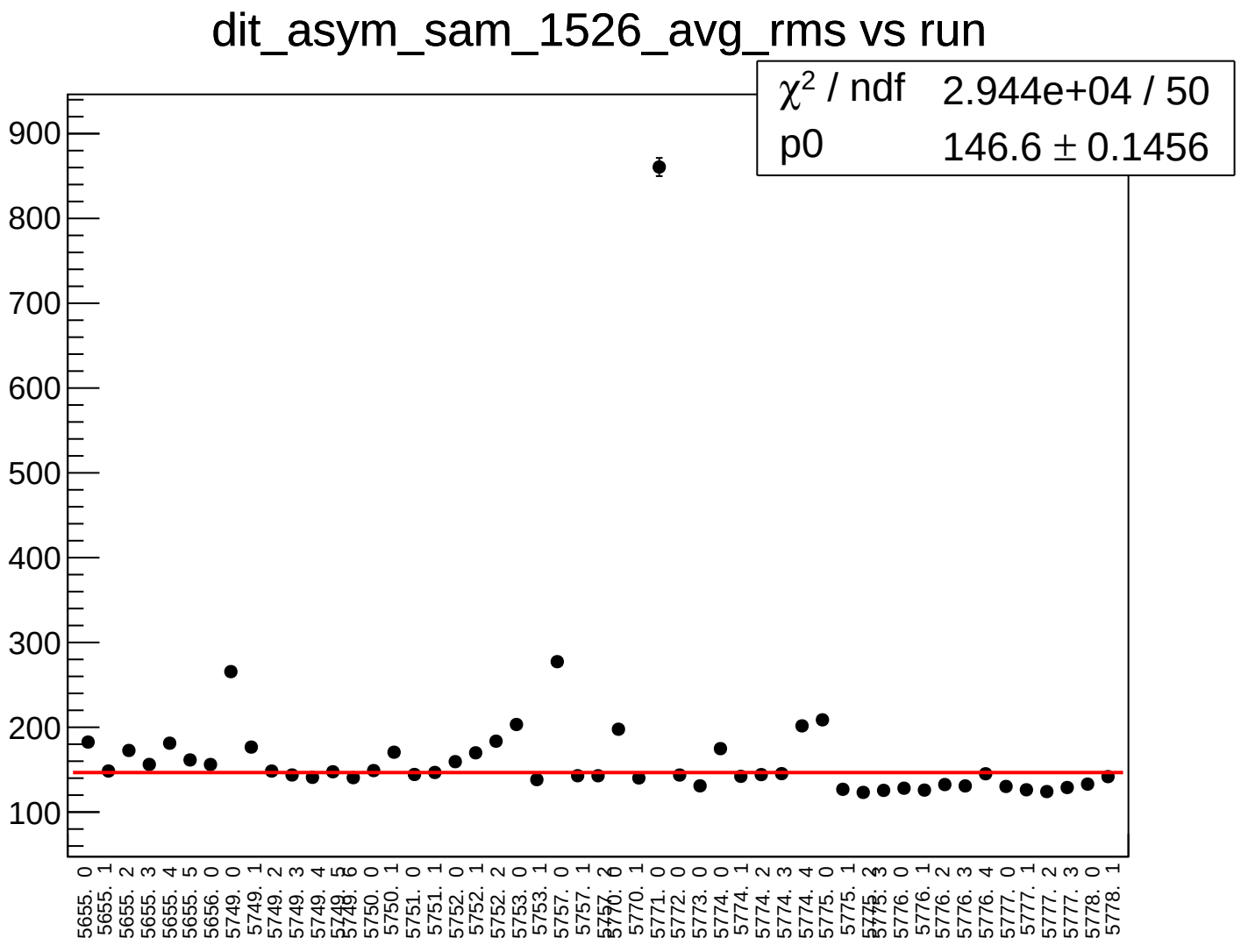

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

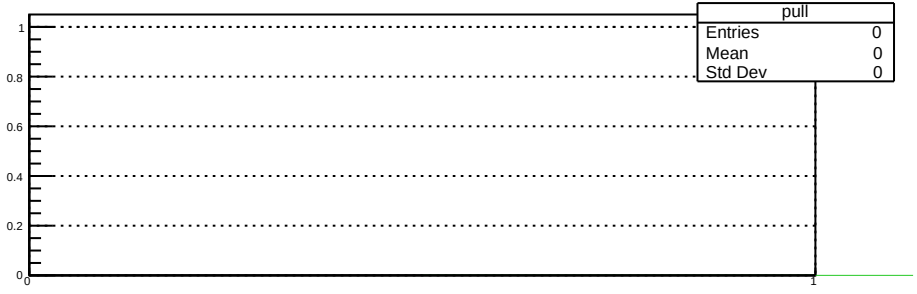

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

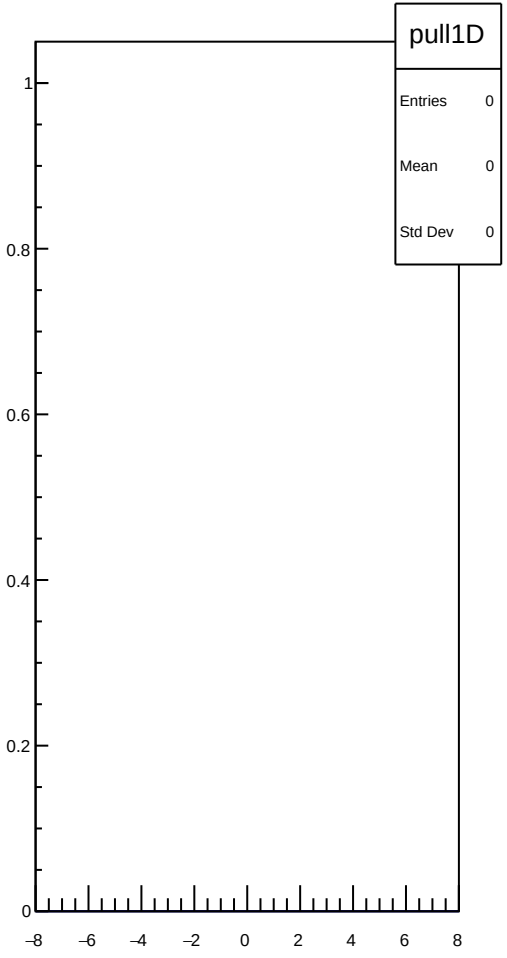

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

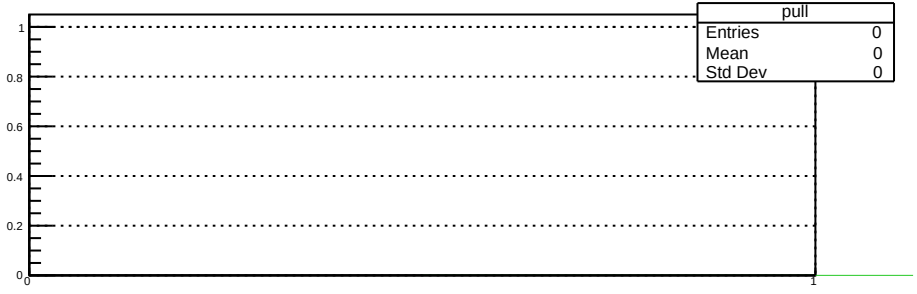

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 44.33 / 50
p0 183.3 ± 205.9
25000
20000
15000
10000
5000
0
−5000
pull
Entries 51
Mean 6.358
Std Dev 31.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

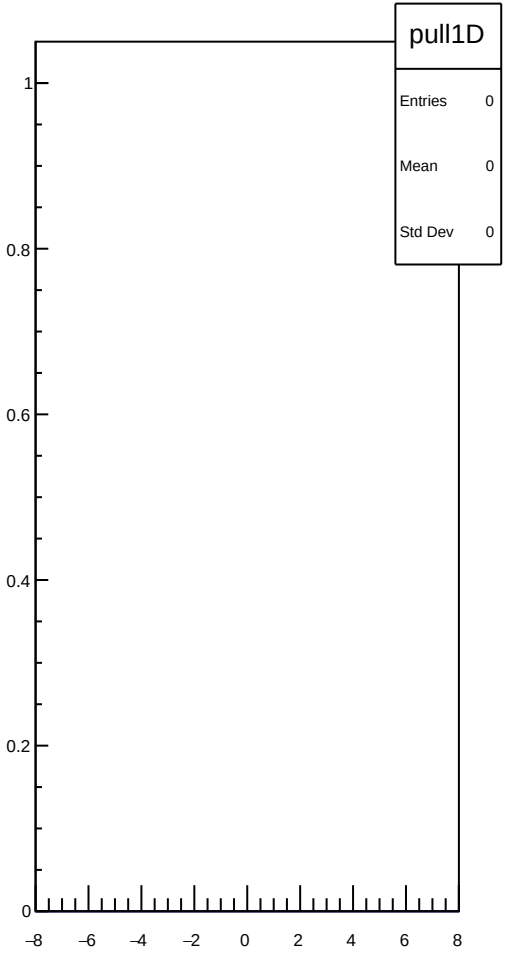

pull1D
Entries 51
Mean 0.0245
Std Dev 0.932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

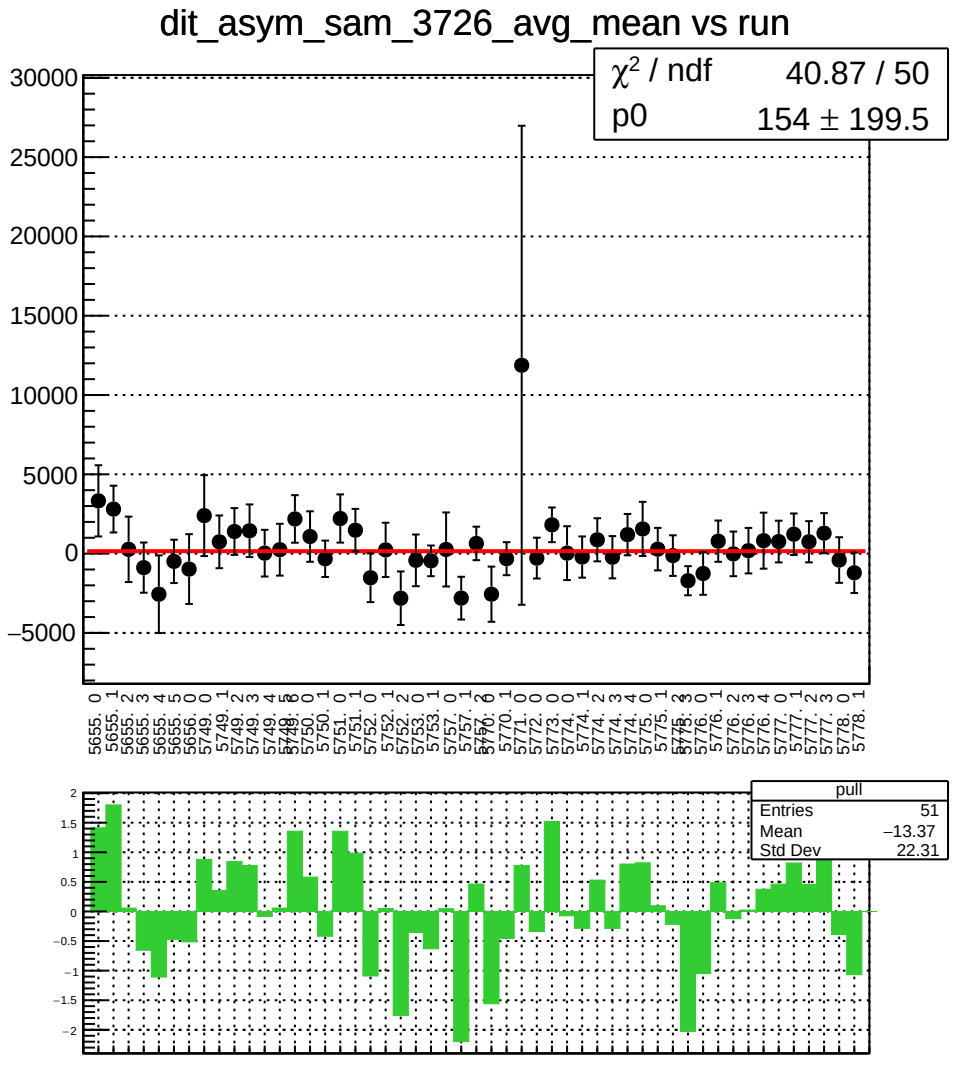

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.944e+04 / 50
p0 146.6 ± 0.1456
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

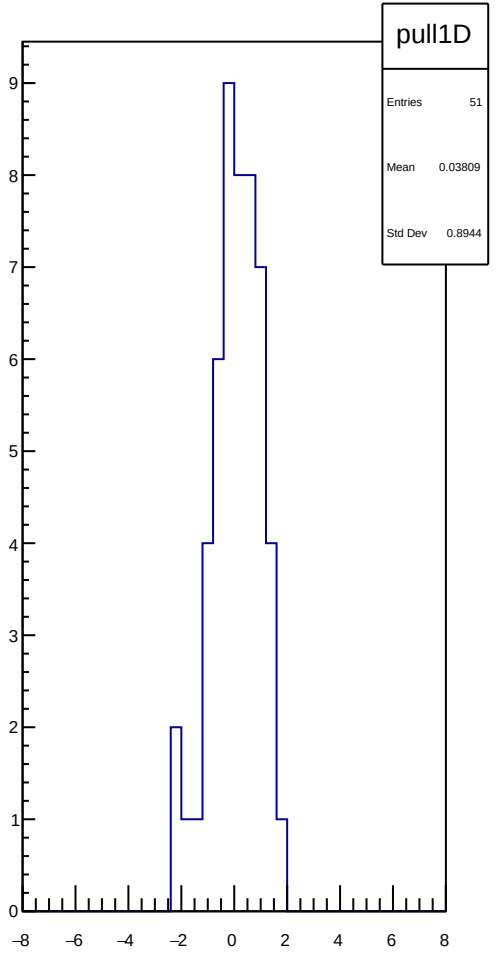

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

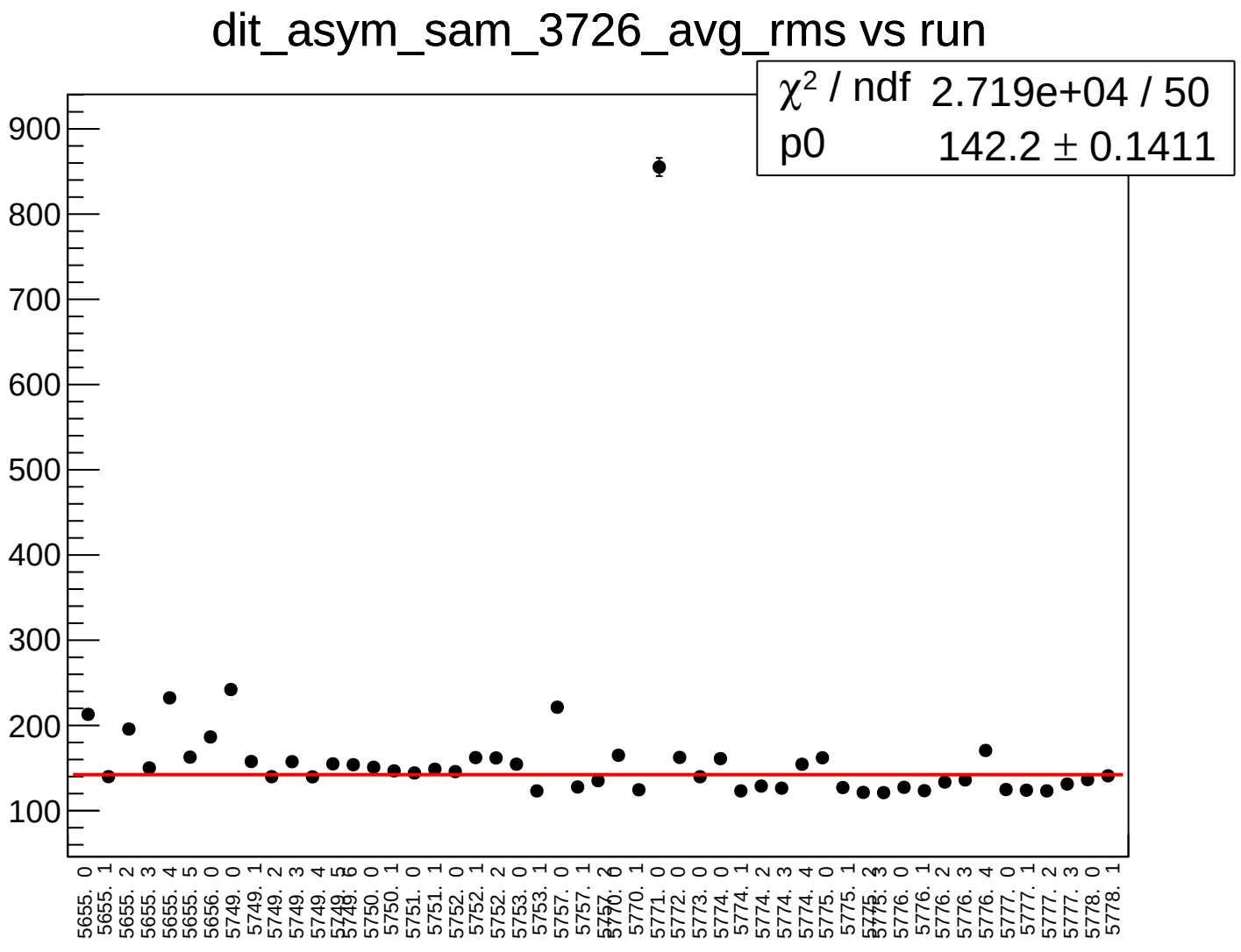

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

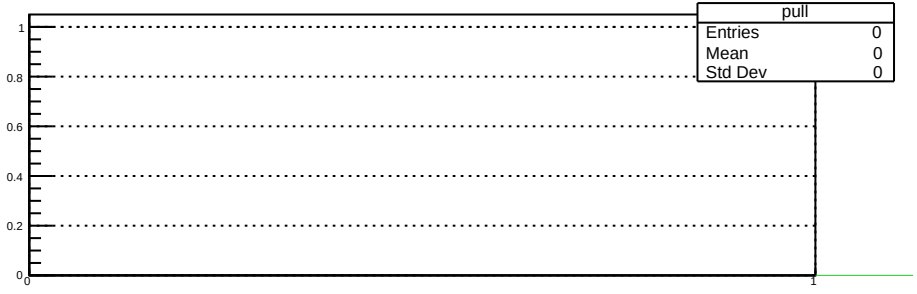

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

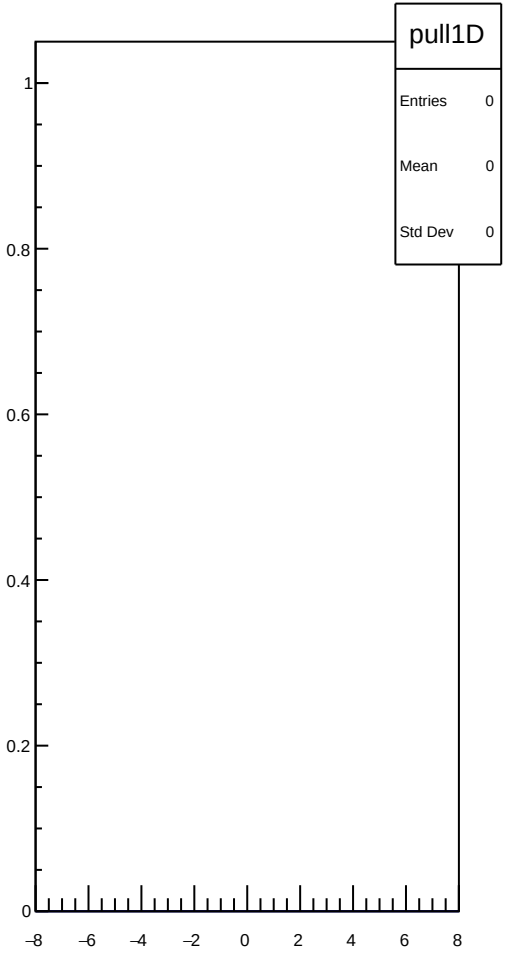

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

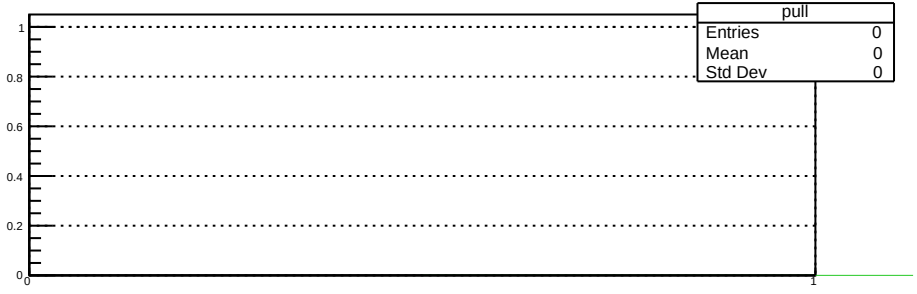

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 40.87 / 50
p0 154 ± 199.5
pull
Entries 51
Mean −13.37
Std Dev 22.31

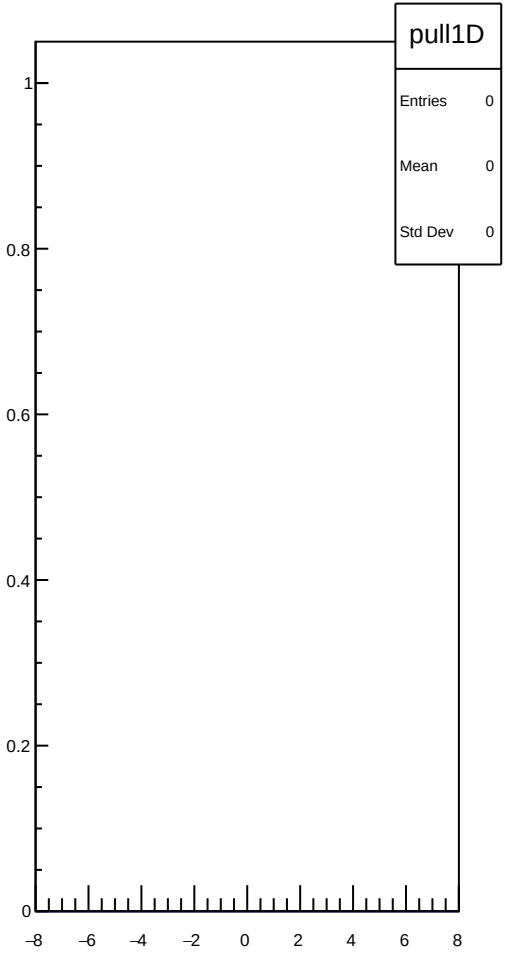

pull1D
Entries 51
Mean 0.03809
Std Dev 0.8944

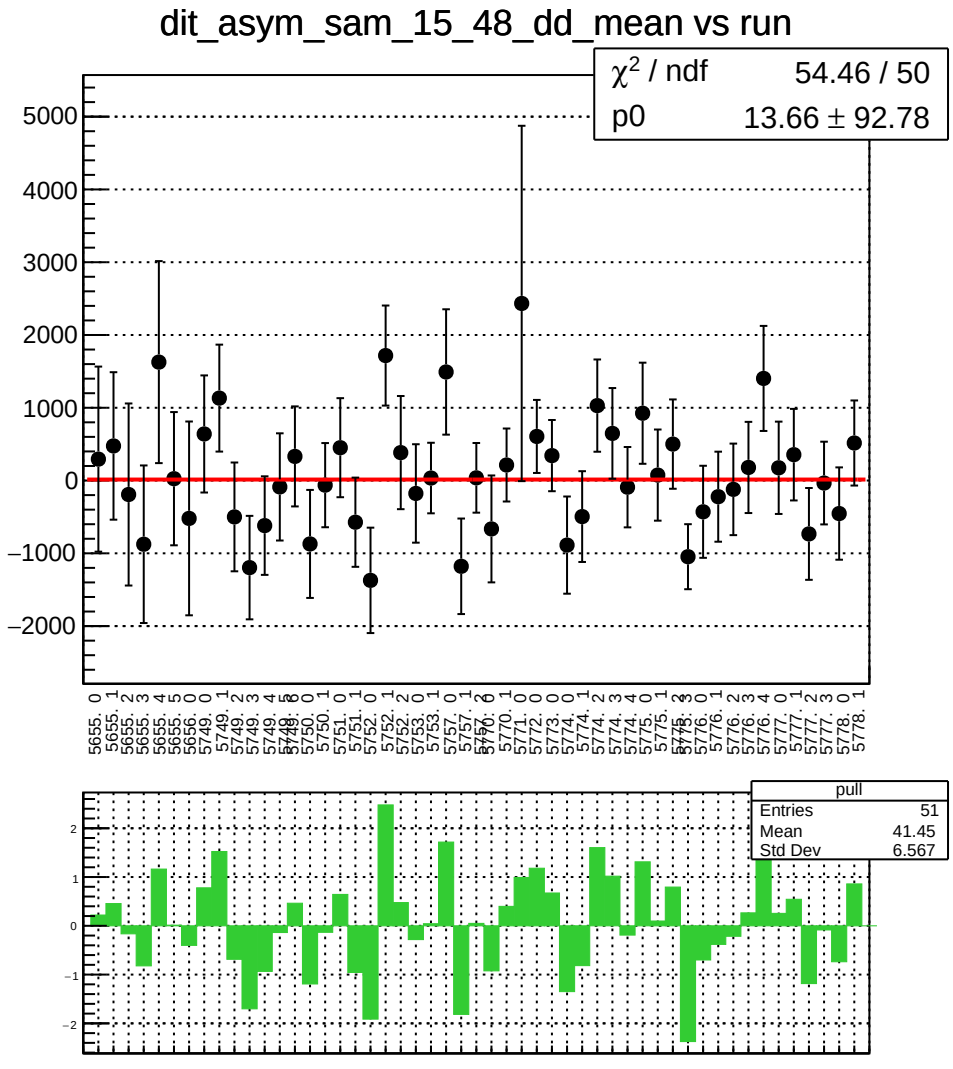

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.719e+04 / 50
p0 142.2 ± 0.1411
900
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

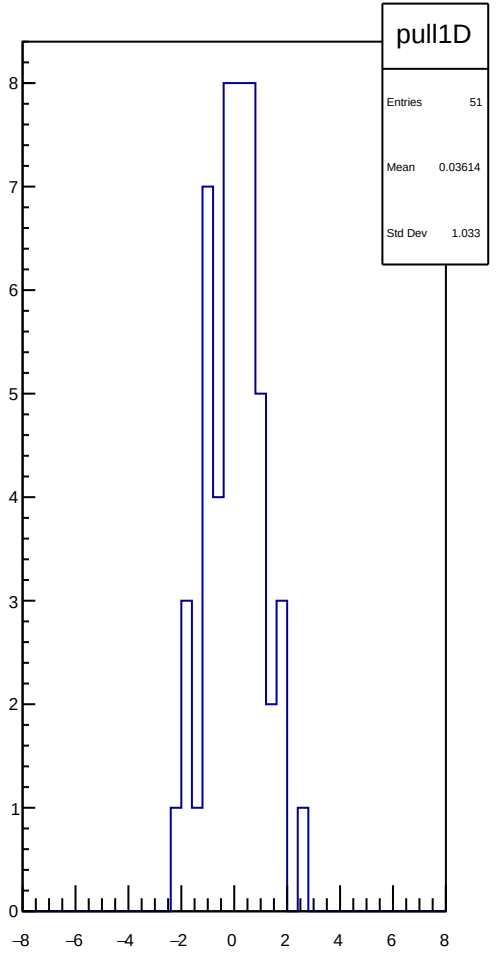

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

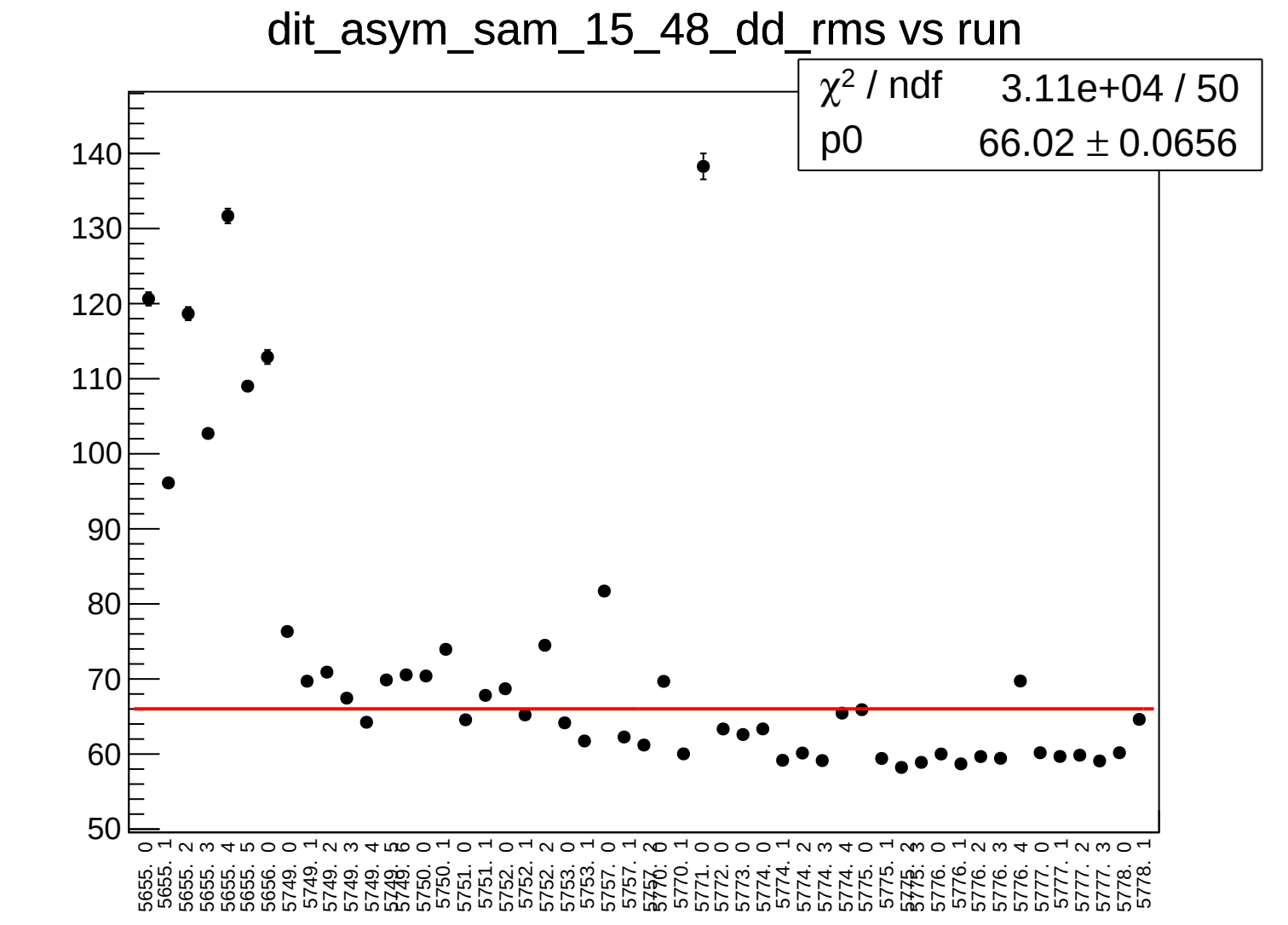

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

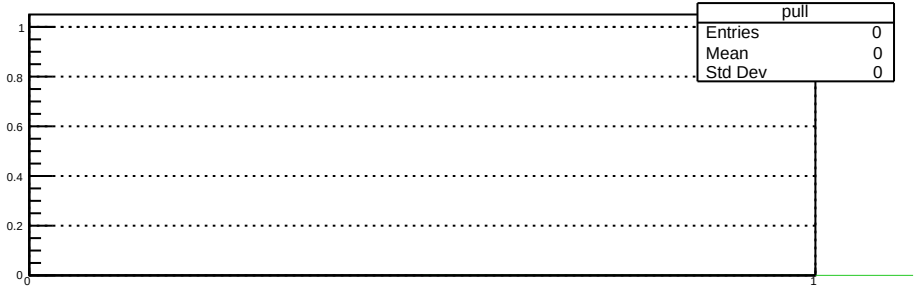

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

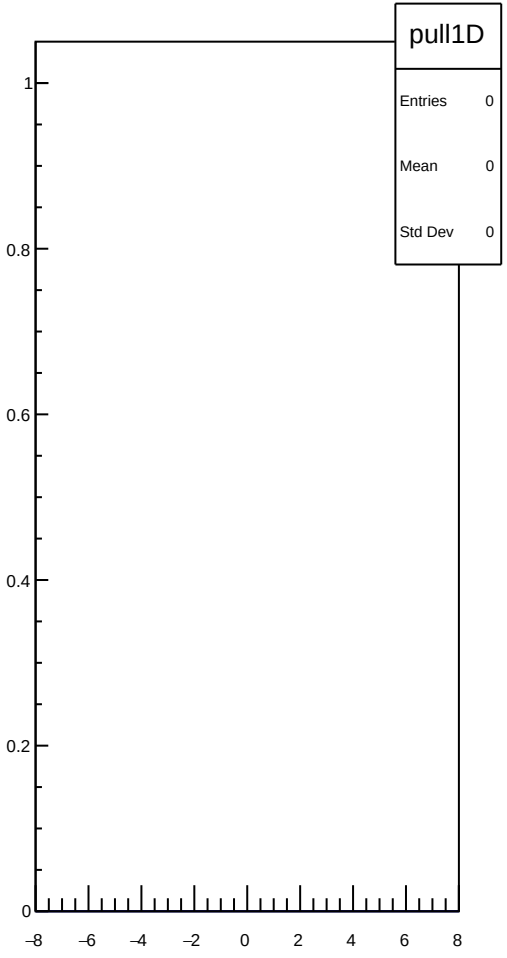

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

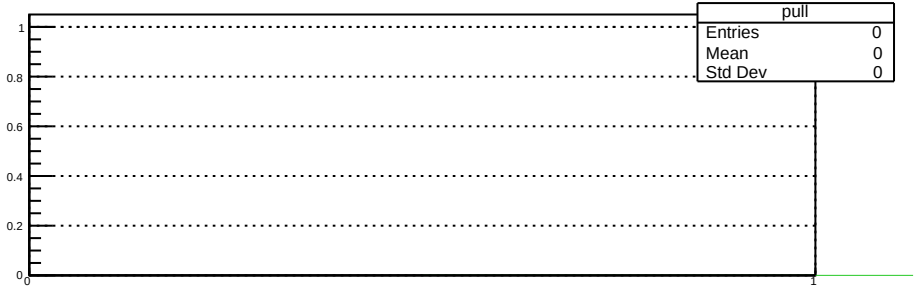

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 54.46 / 50
p0 13.66 ± 92.78
pull
Entries 51
Mean 41.45
Std Dev 6.567

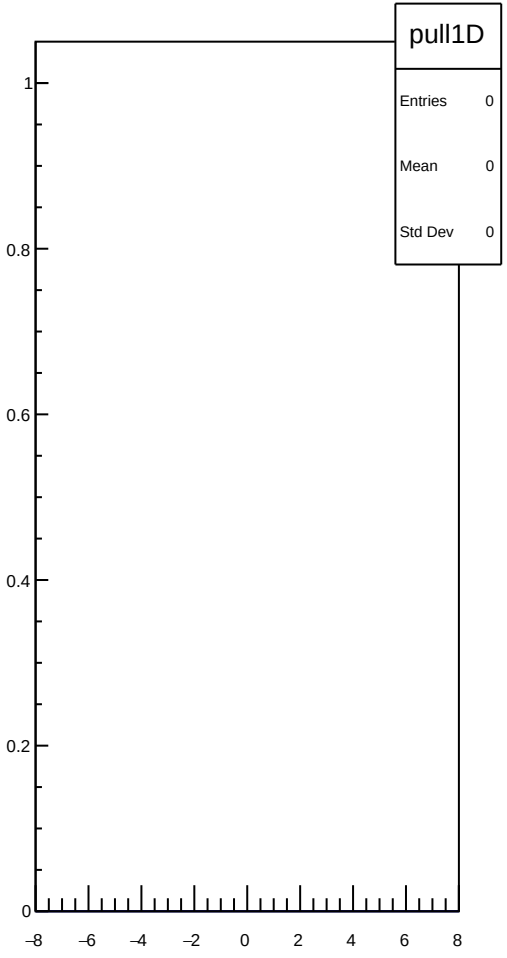

pull1D
Entries 51
Mean 0.03614
Std Dev 1.033

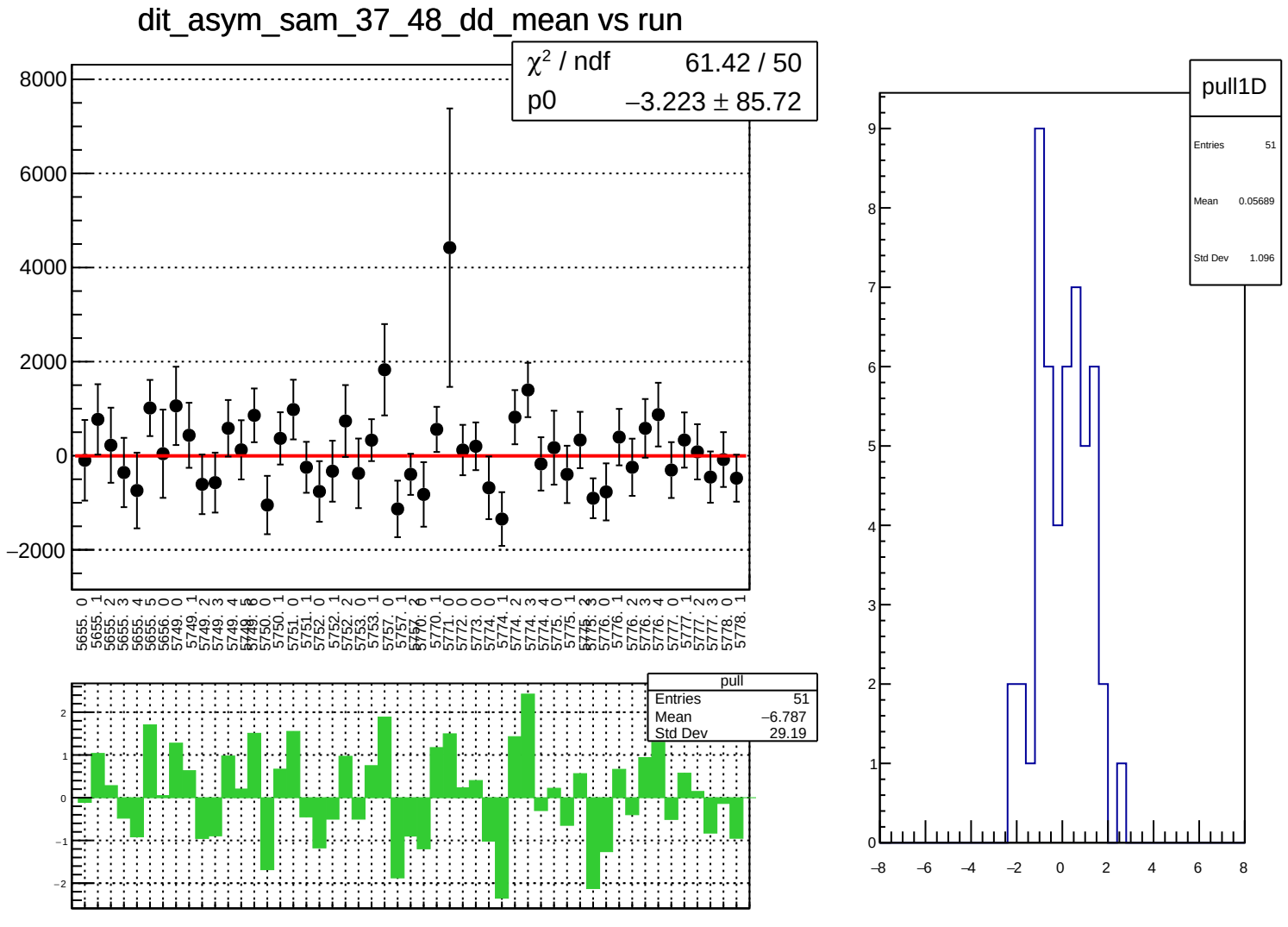

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3.11e+04 / 50
p0 66.02 ± 0.0656
140
130
120
110
100
90
80
70
60
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5757. 3
5770. 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

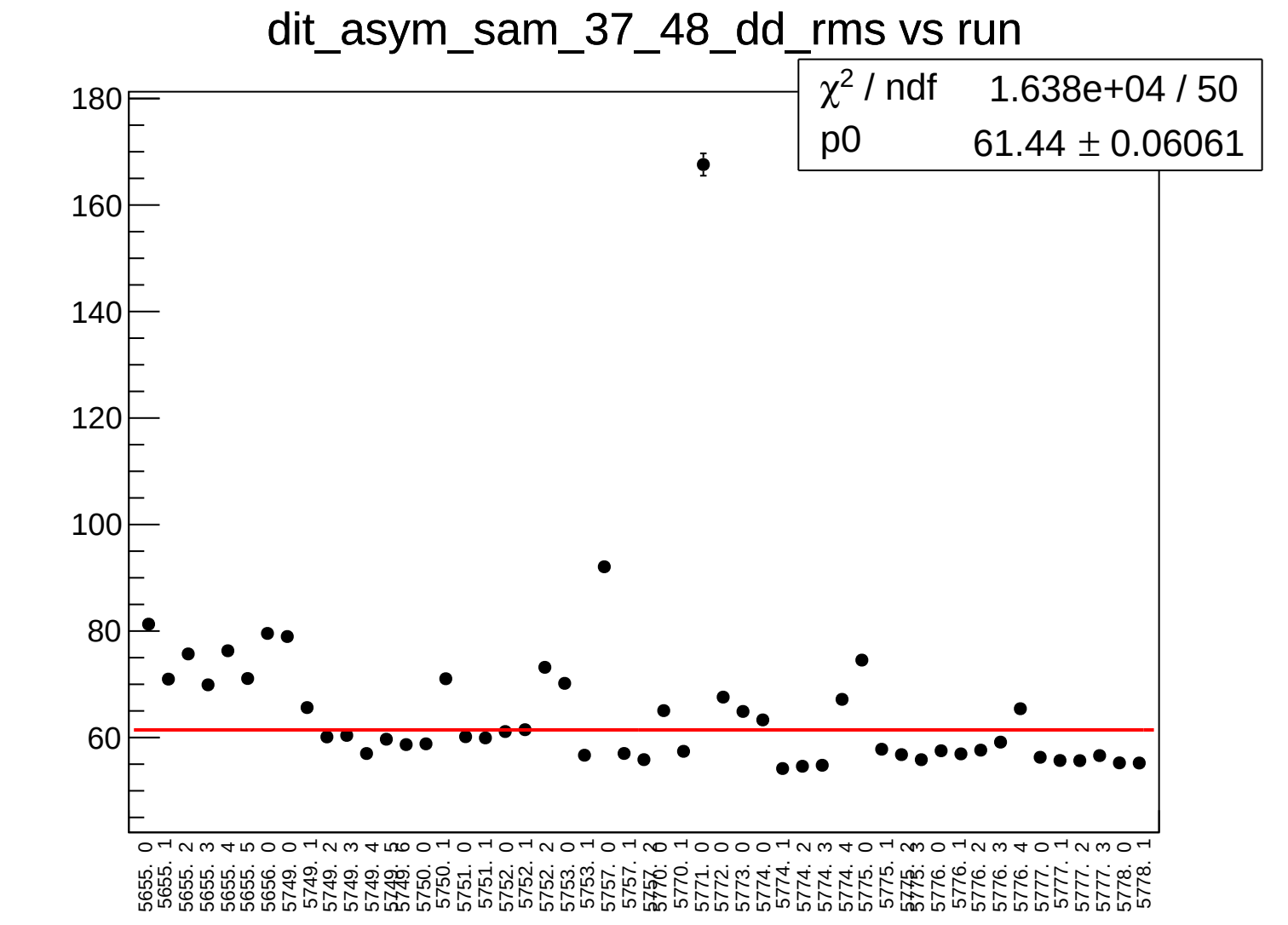

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

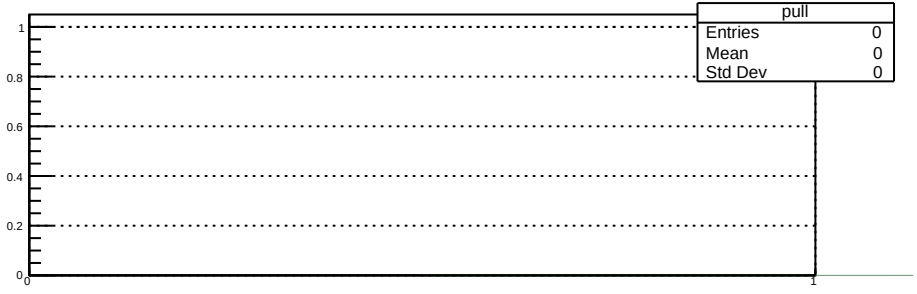

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

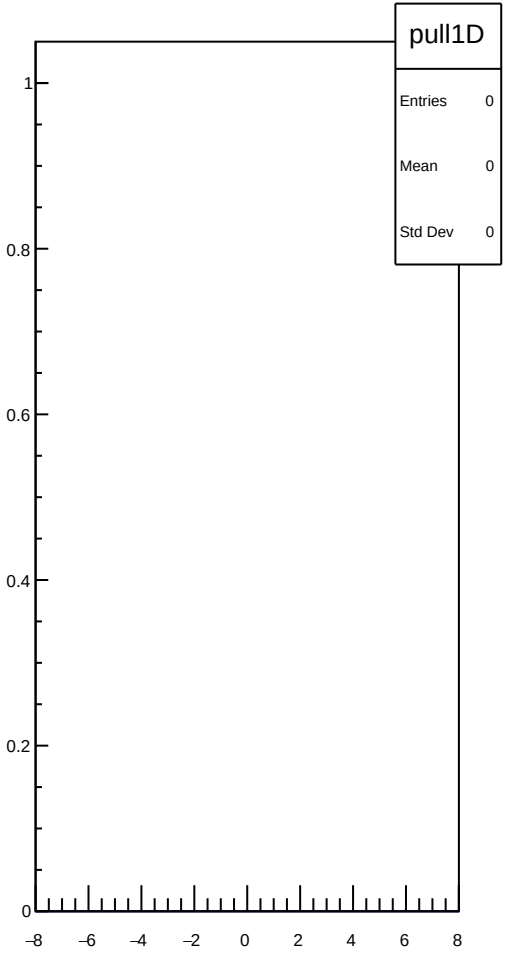

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

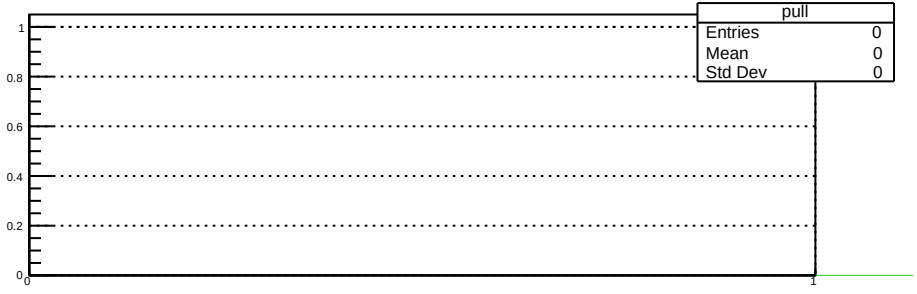

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

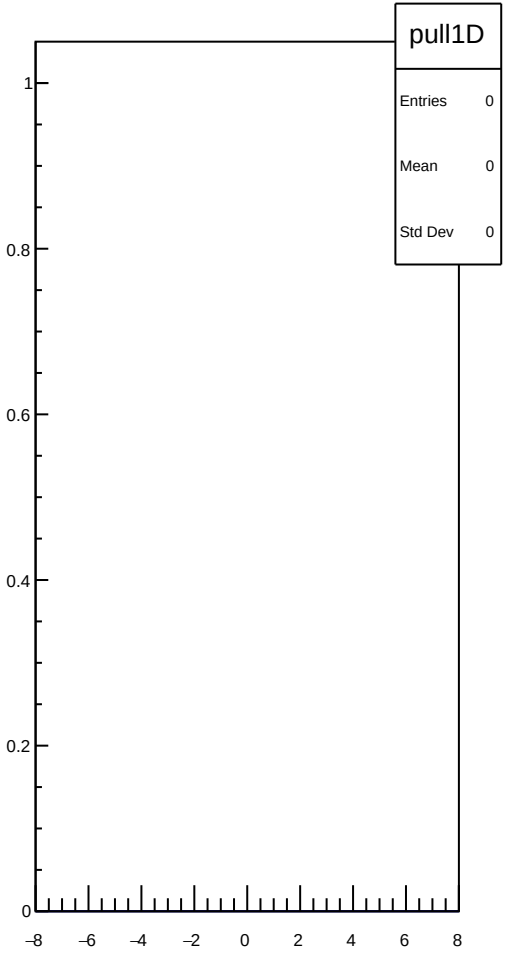

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.42 / 50
p0 −3.223 ± 85.72
8000
6000
4000
2000
0
−2000
pull
Entries 51
Mean −6.787
Std Dev 29.19
pull1D
Entries 51
Mean 0.05689
Std Dev 1.096

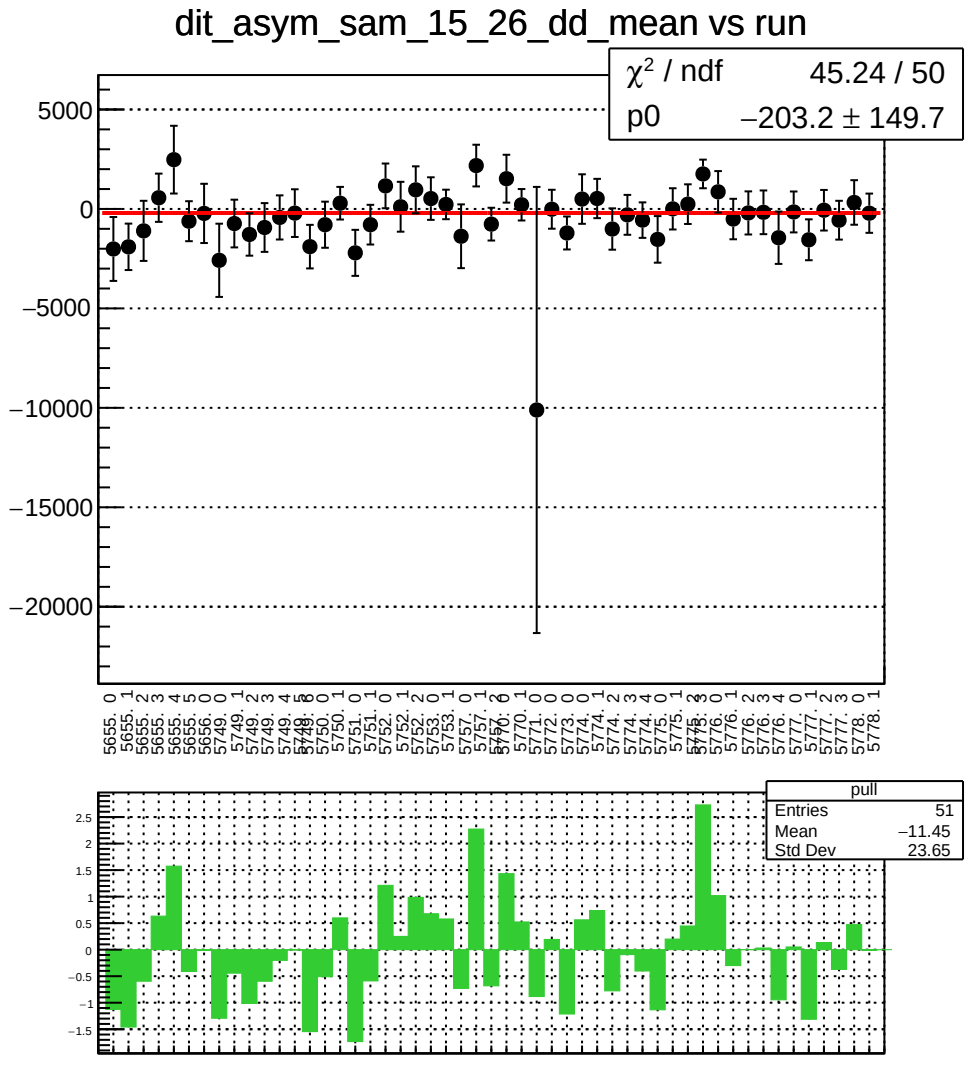

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.638e+04 / 50
p0 61.44 ± 0.06061
180
160
140
120
100
80
60
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

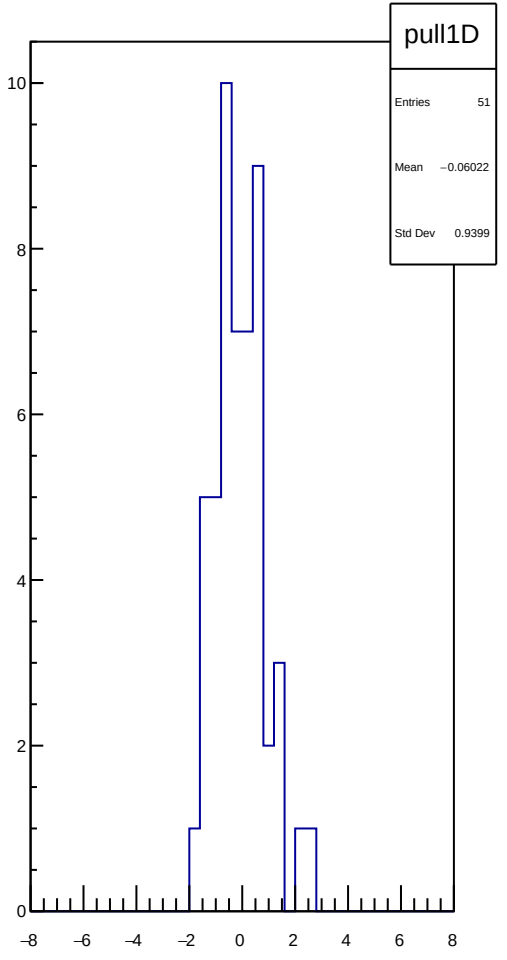

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

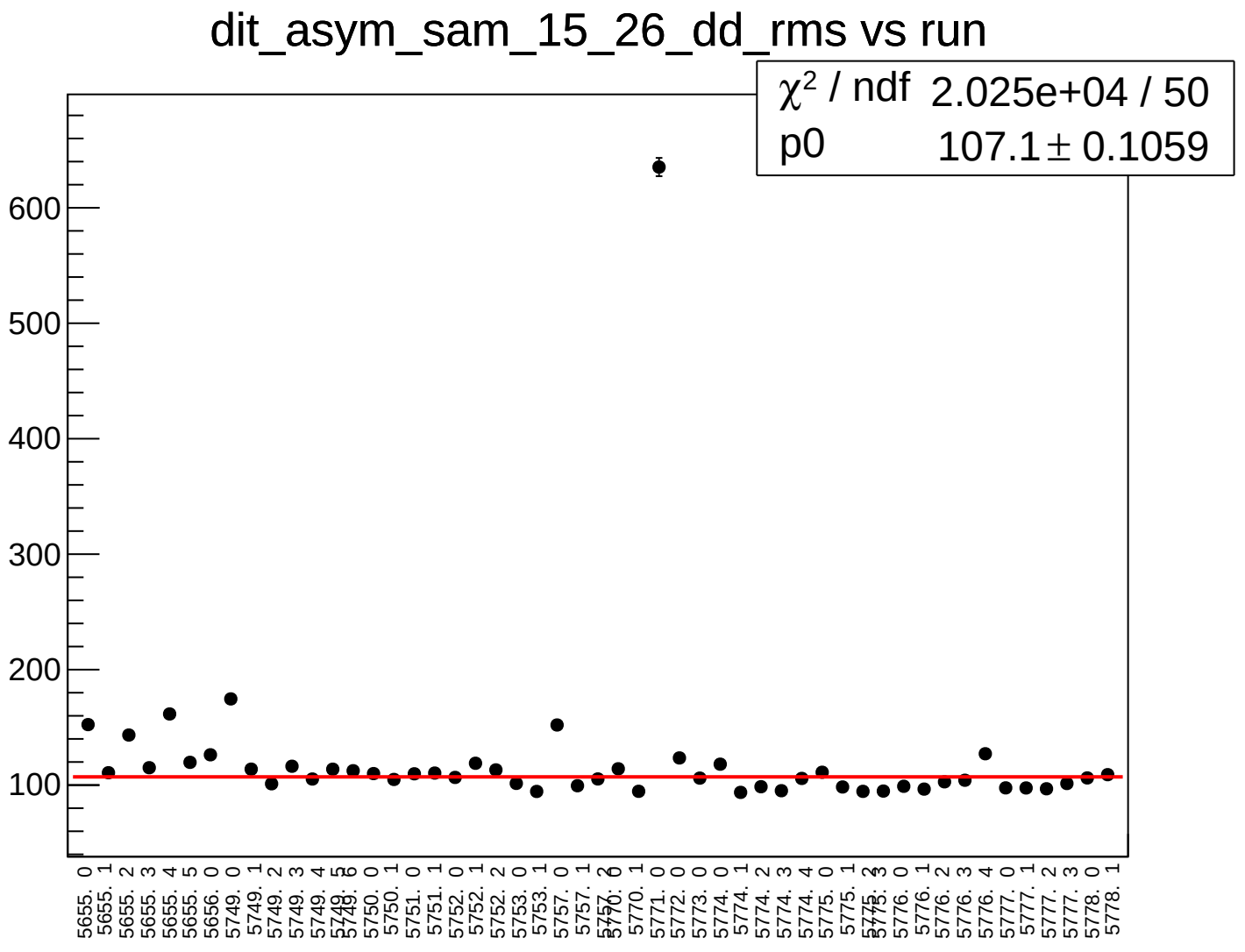

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

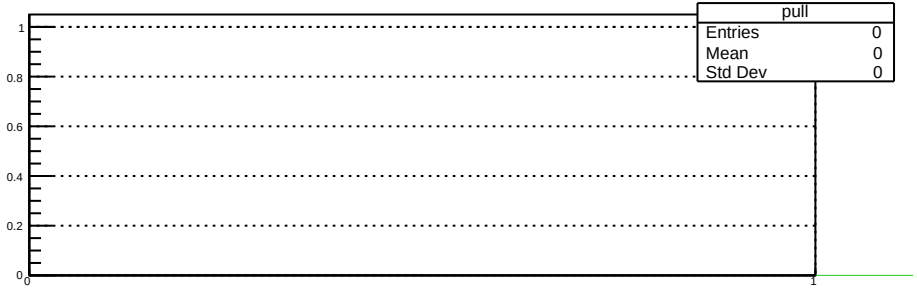

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

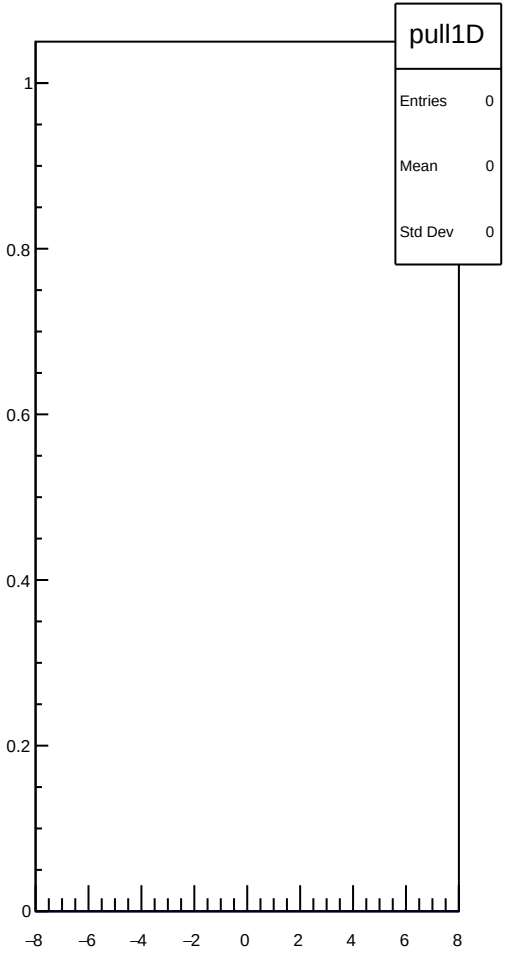

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

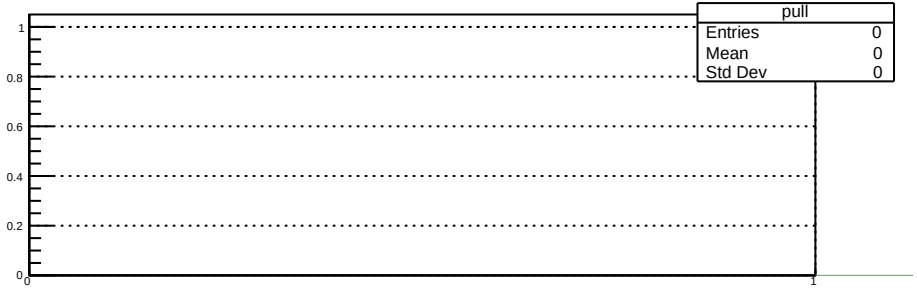

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 45.24 / 50
p0 −203.2 ± 149.7
5000
0
−5000
−10000
−15000
−20000
pull
Entries 51
Mean −11.45
Std Dev 23.65
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

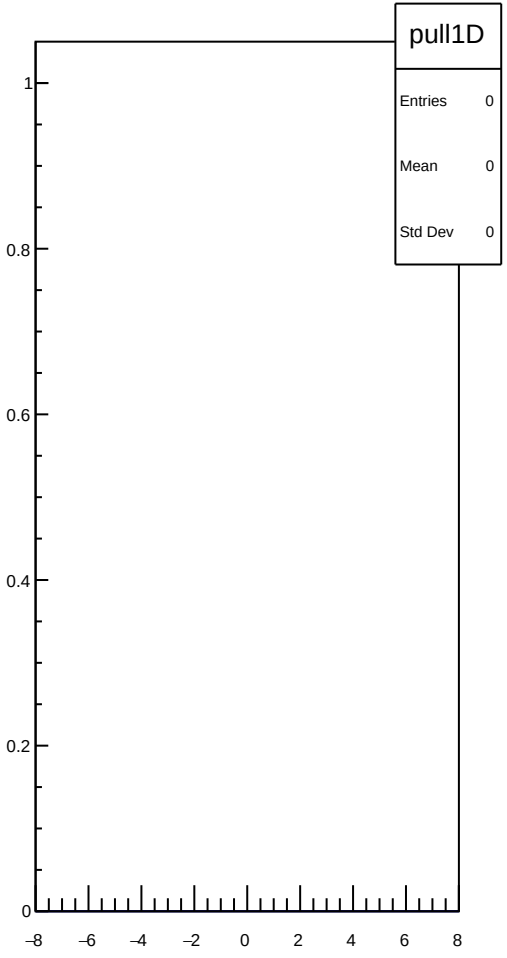

pull1D
Entries 51
Mean −0.06022
Std Dev 0.9399
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

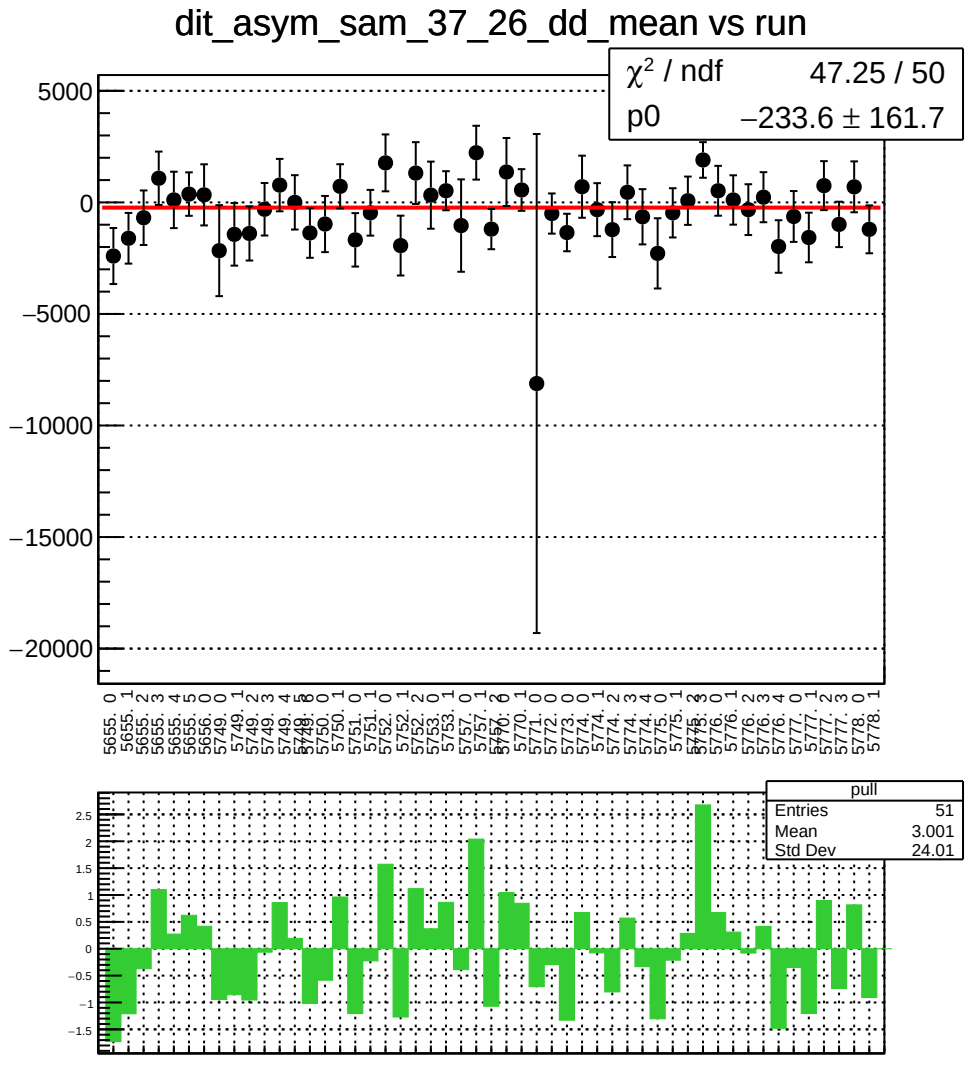

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2.025e+04 / 50
p0 107.1 ± 0.1059
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

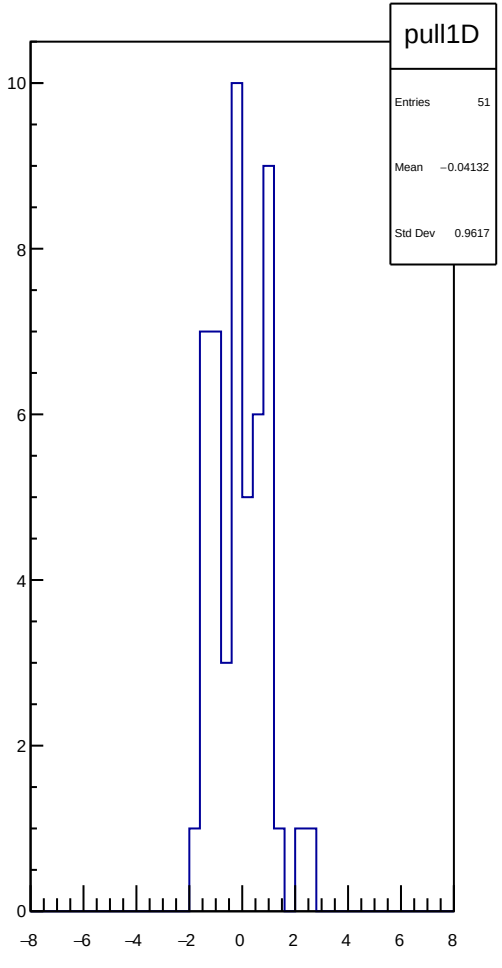

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

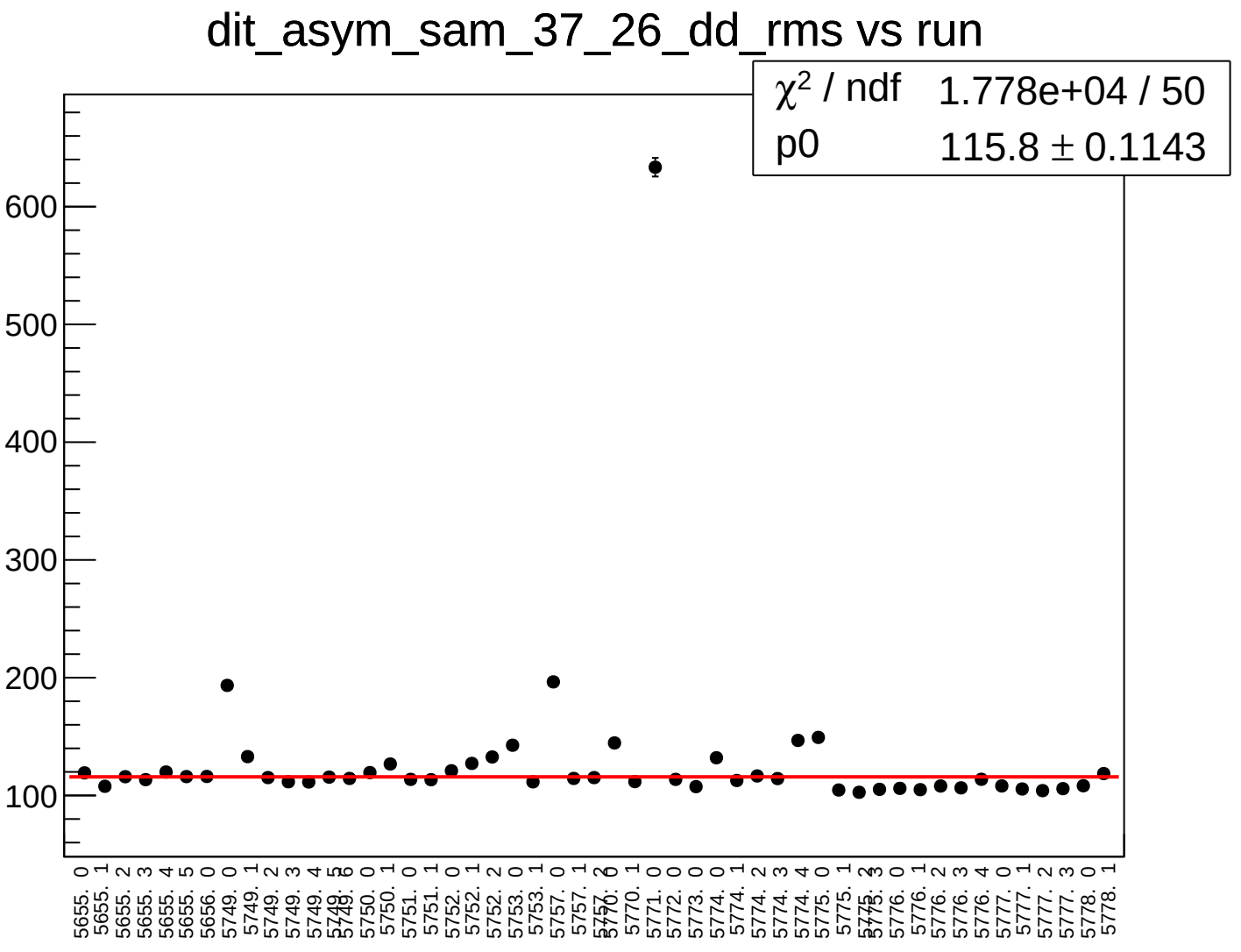

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

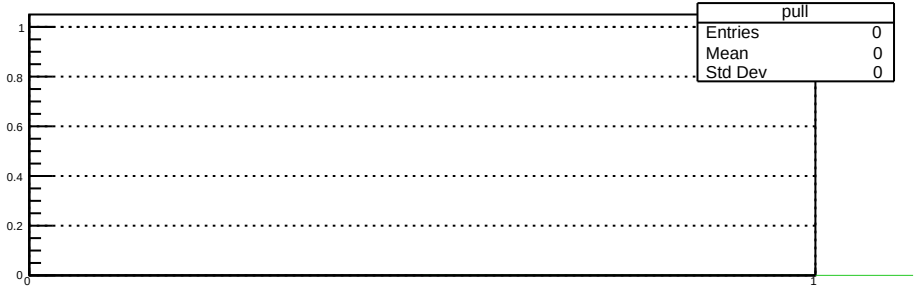

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

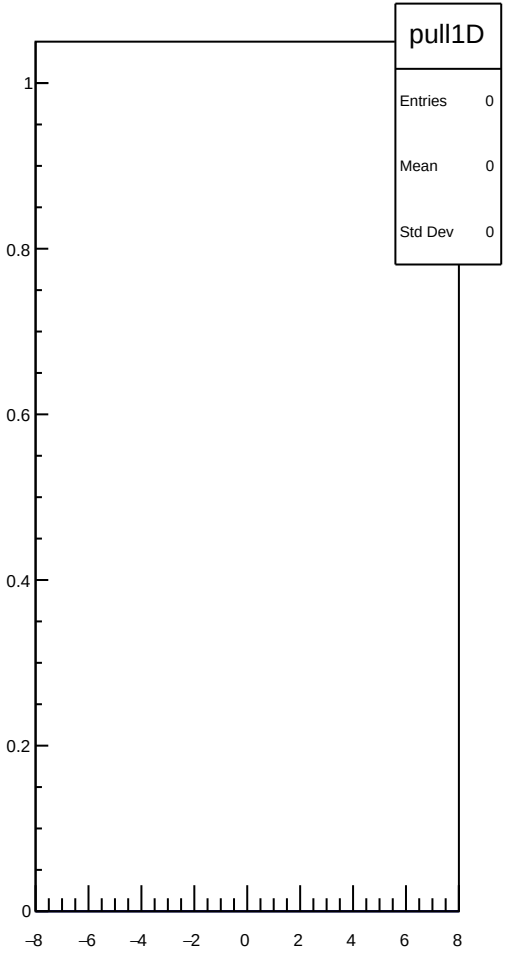

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

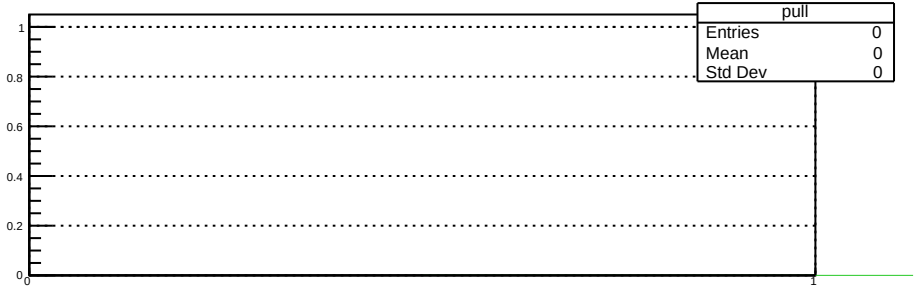

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 47.25 / 50
p0 −233.6 ± 161.7
5000
0
−5000
−10000
−15000
−20000
pull
Entries 51
Mean 3.001
Std Dev 24.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

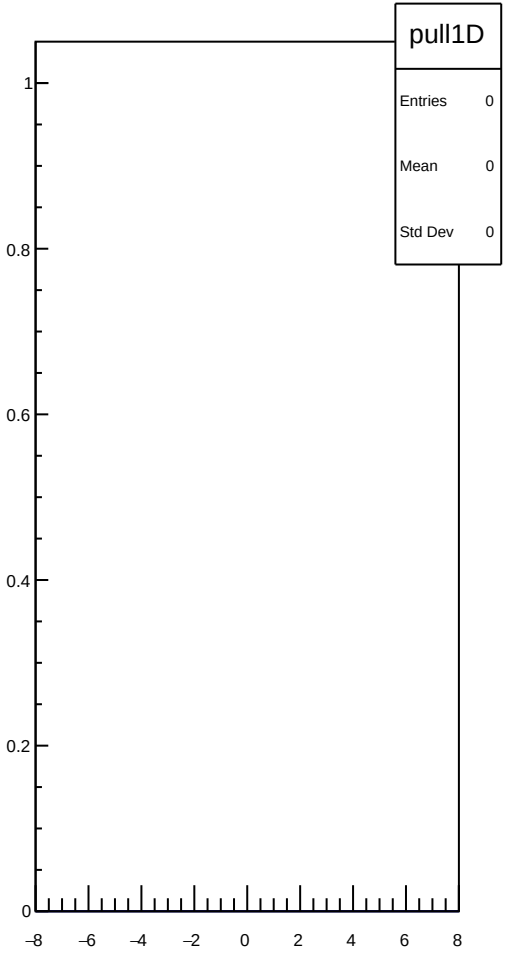

pull1D
Entries 51
Mean −0.04132
Std Dev 0.9617
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

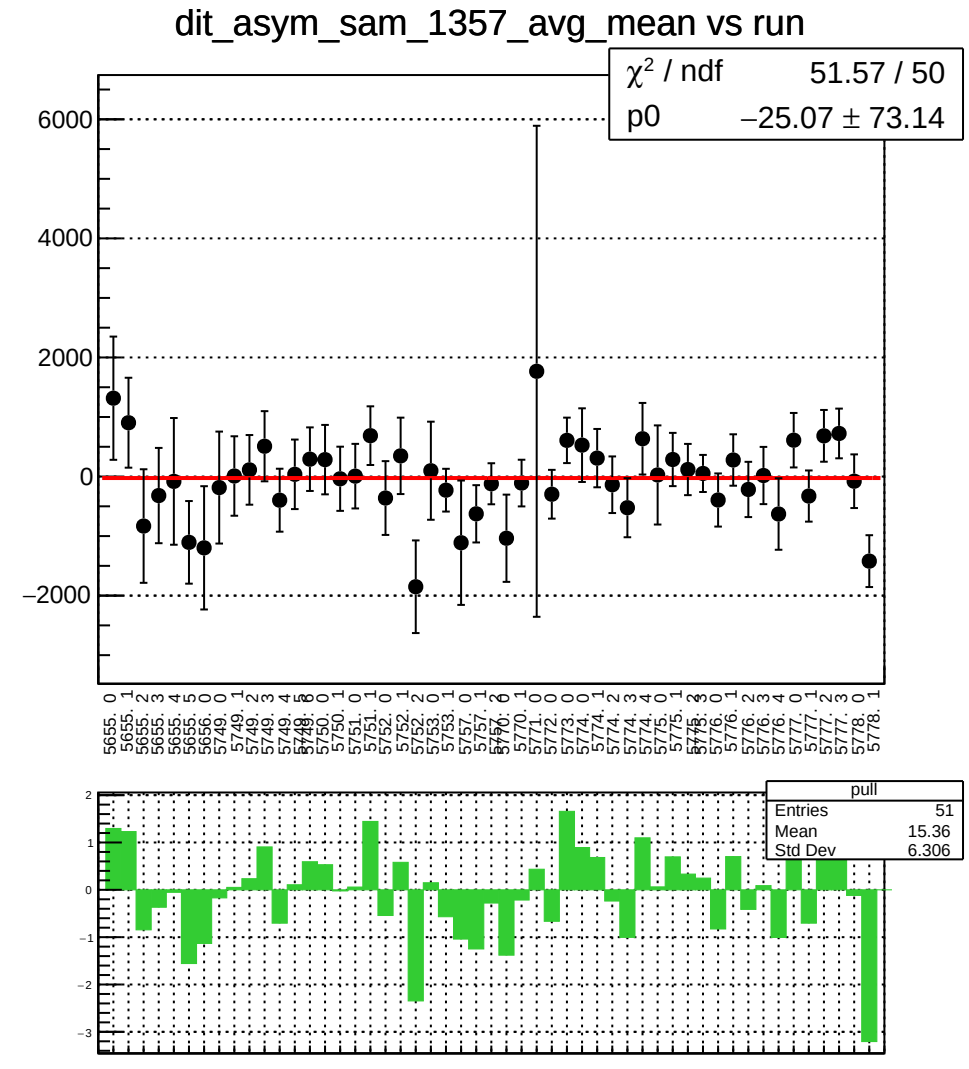

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.778e+04 / 50
p0 115.8 ± 0.1143
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

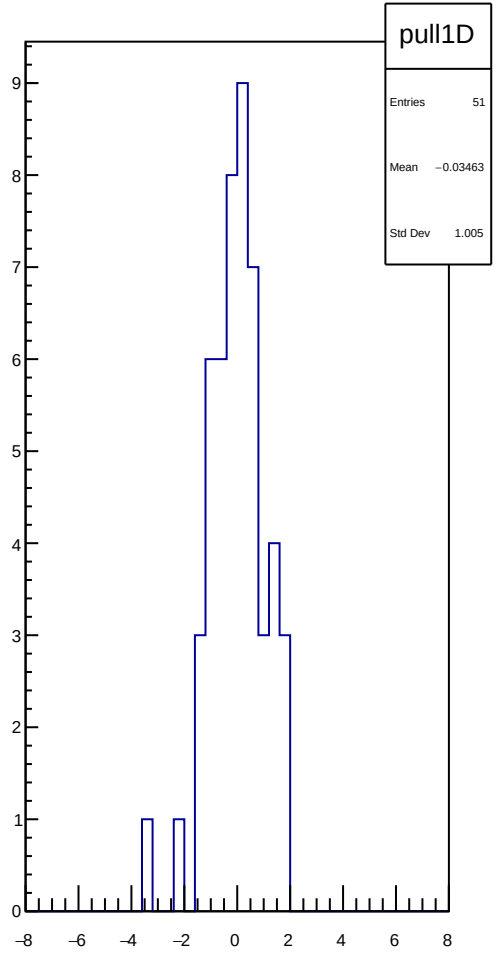

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

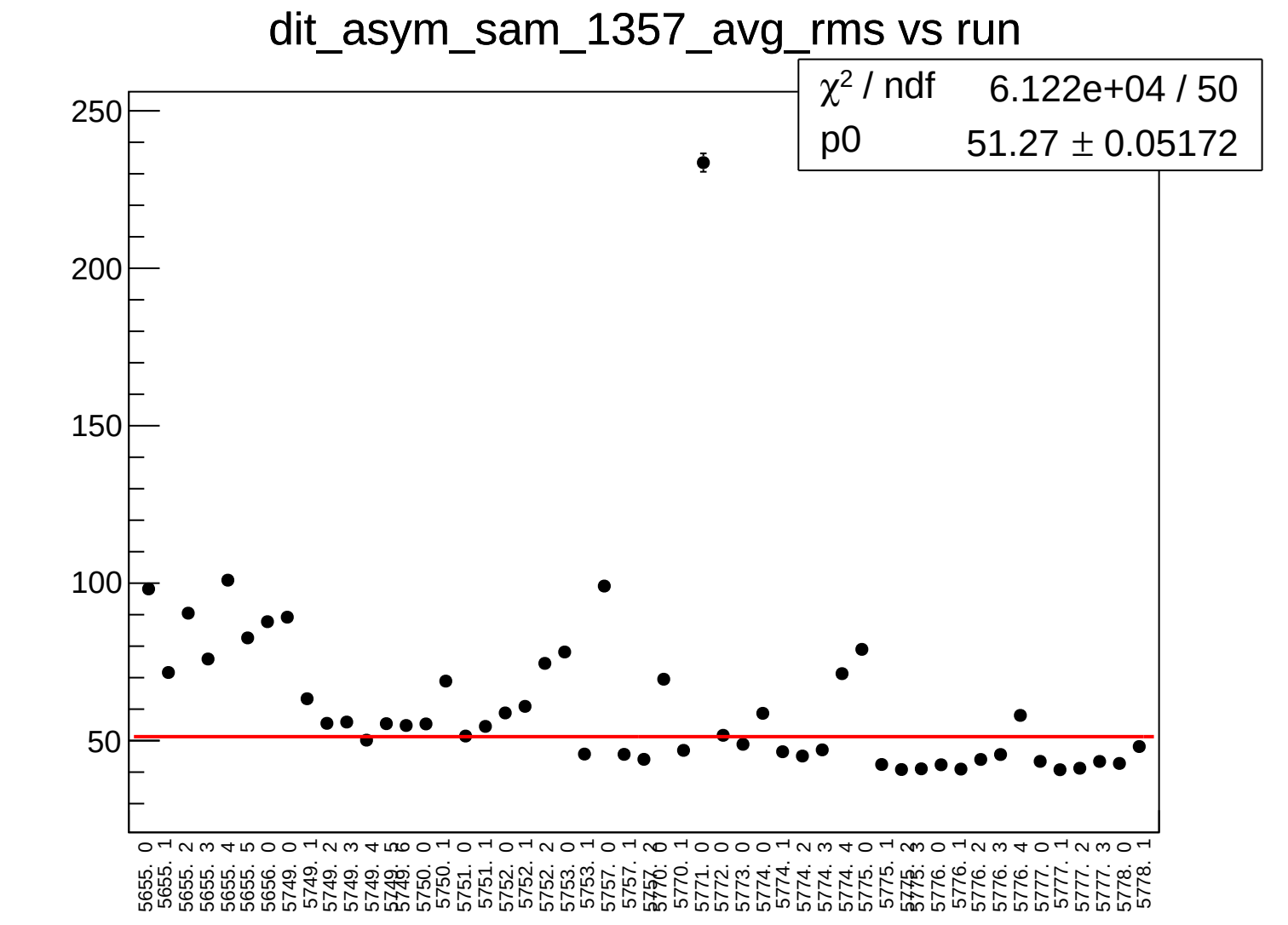

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

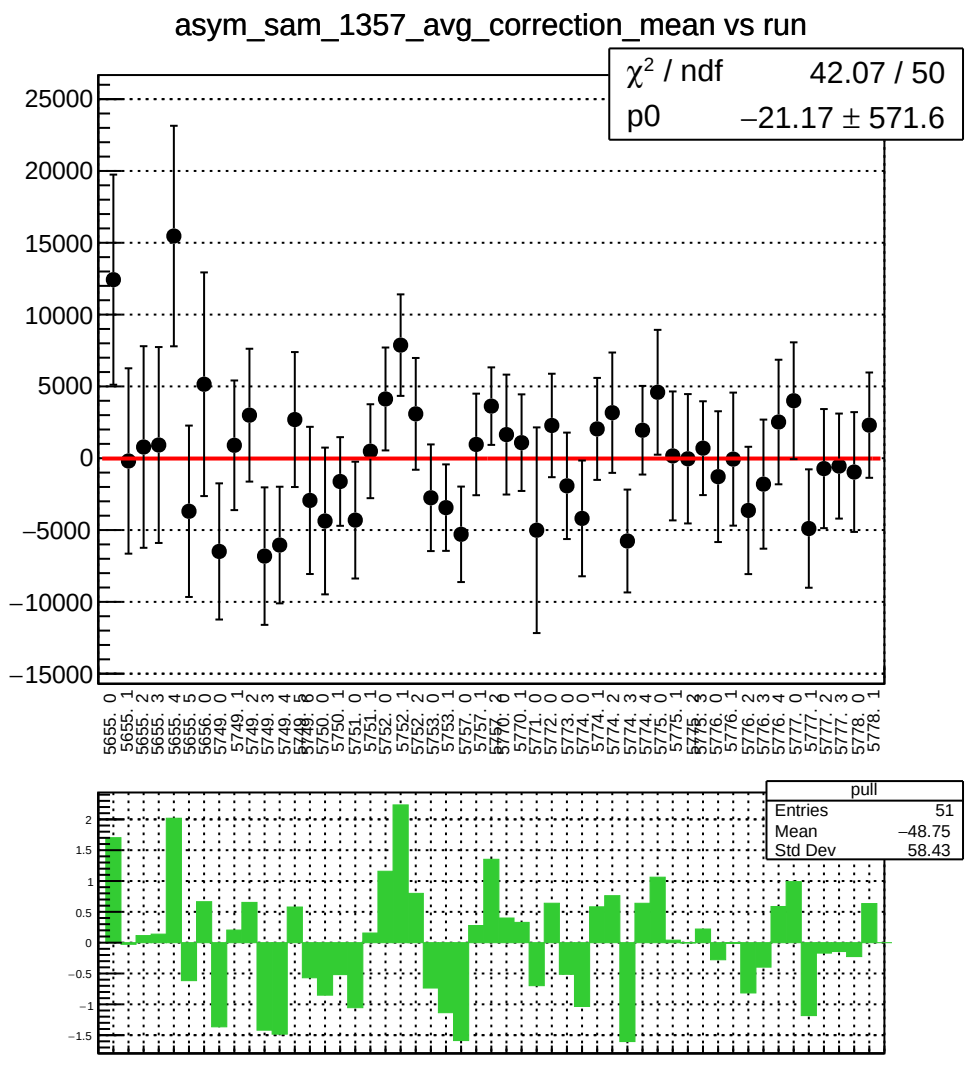

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

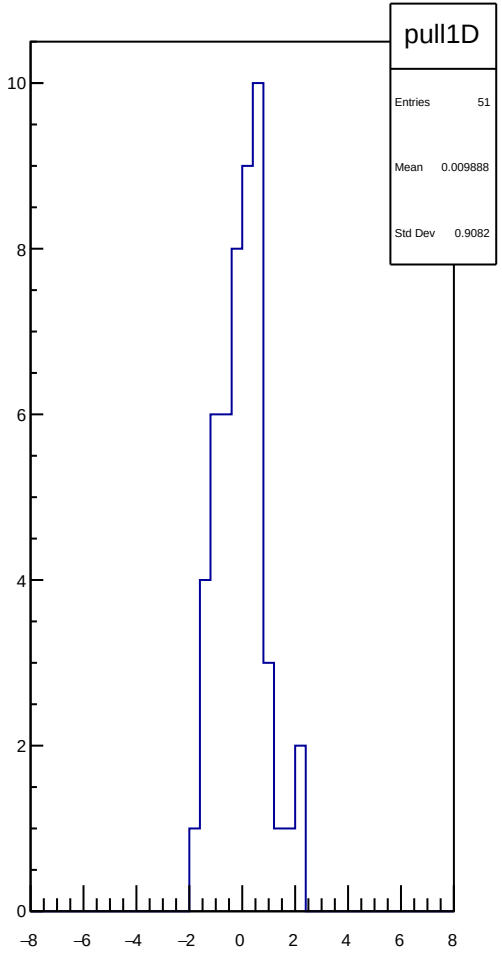

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

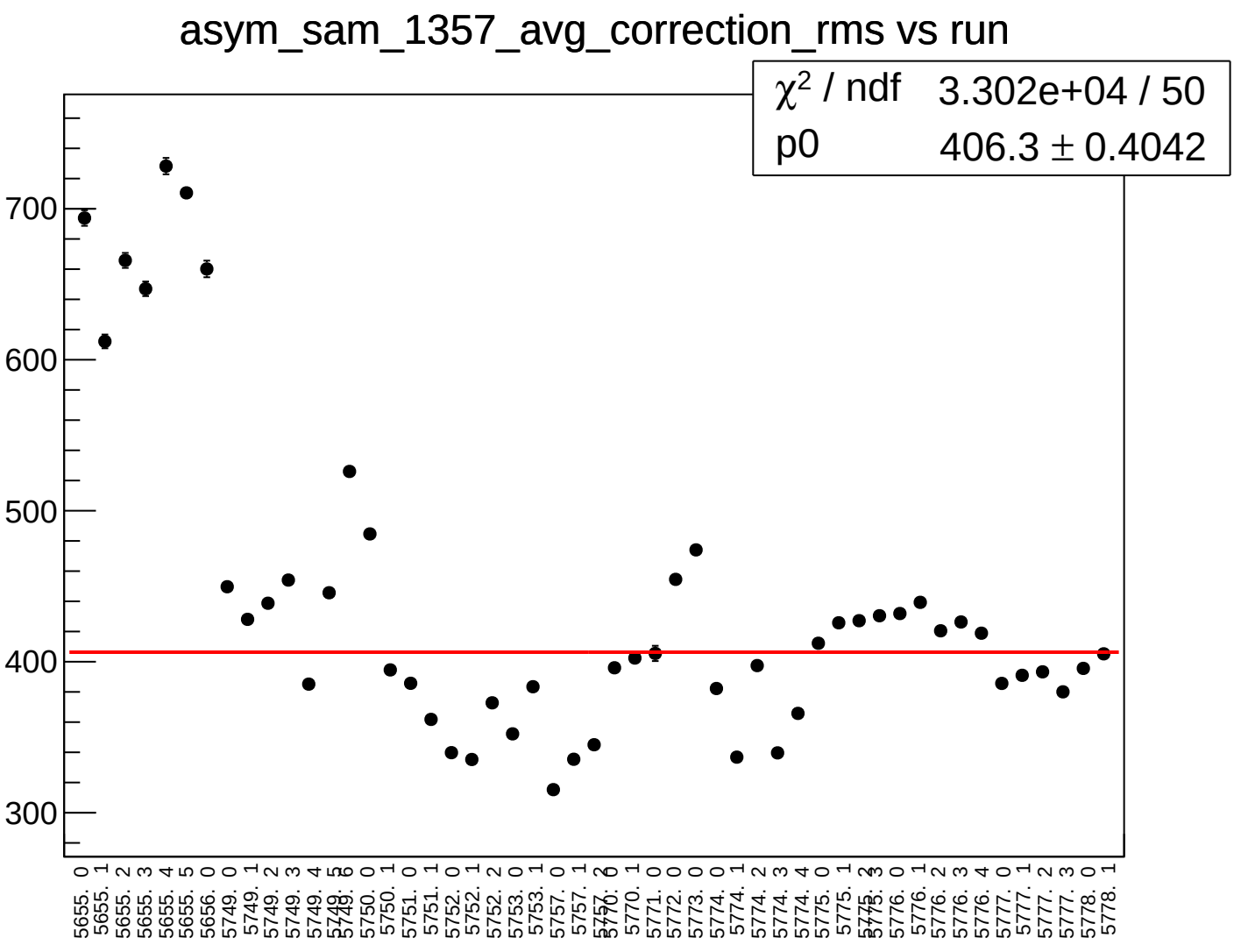

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 51.57 / 50
p0 −25.07 ± 73.14
6000
4000
2000
0
−2000
pull
Entries 51
Mean 15.36
Std Dev 6.306
2
1
0
−1
−2
−3

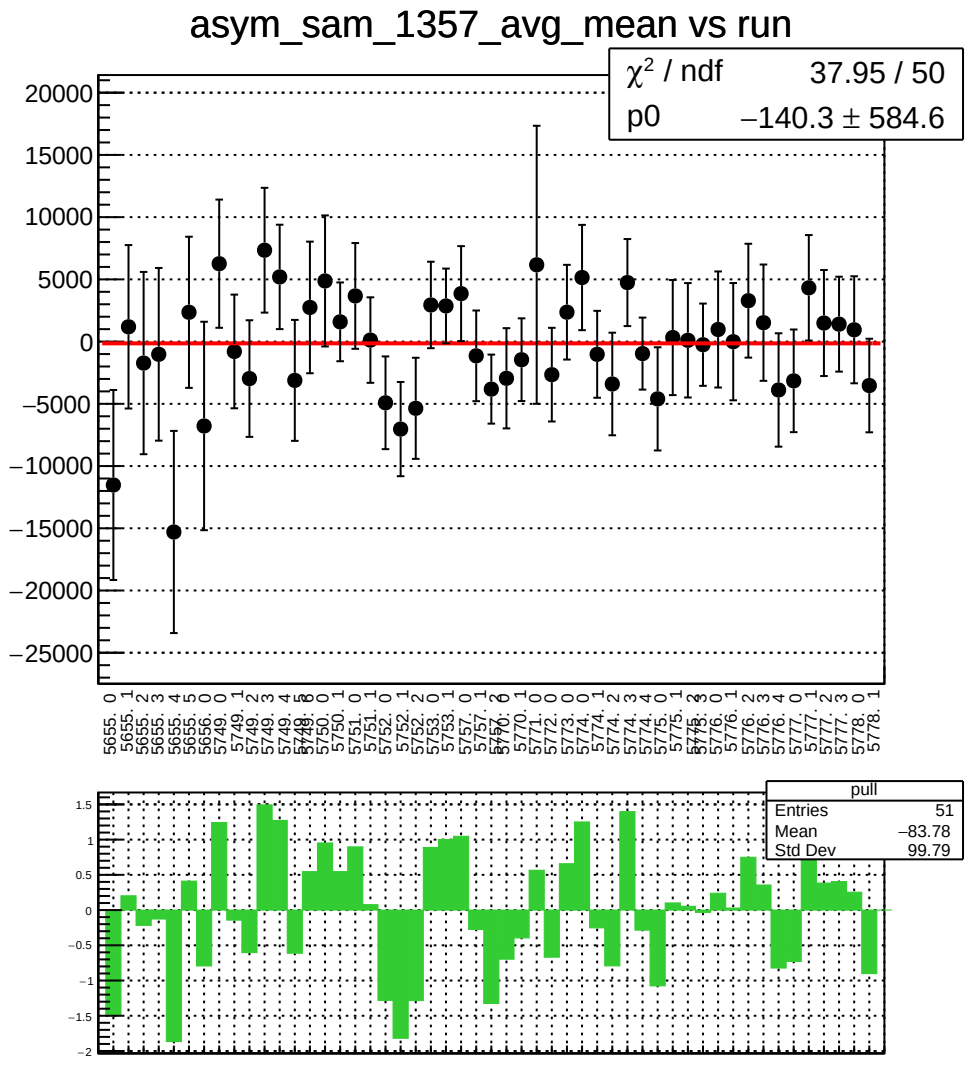

pull1D
Entries 51
Mean −0.03463
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

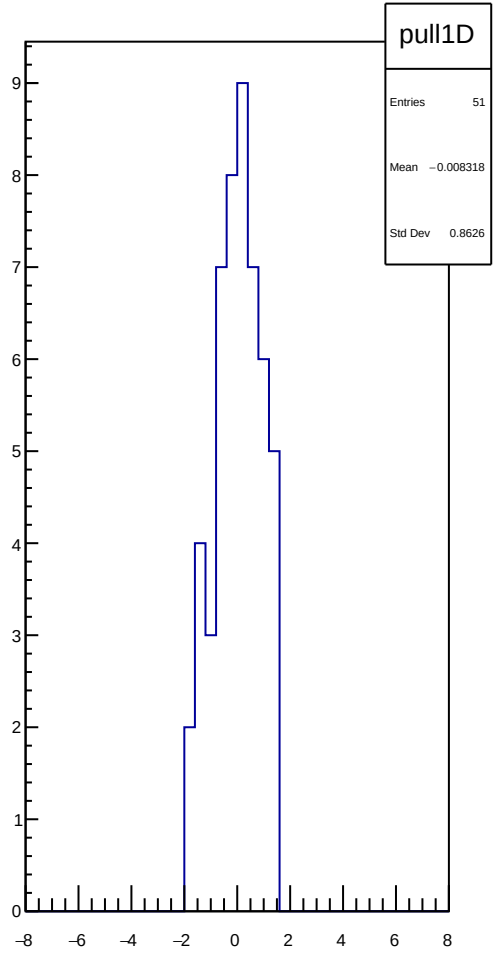

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 6.122e+04 / 50
p0 51.27 ± 0.05172
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 1
5771. 0
5772. 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

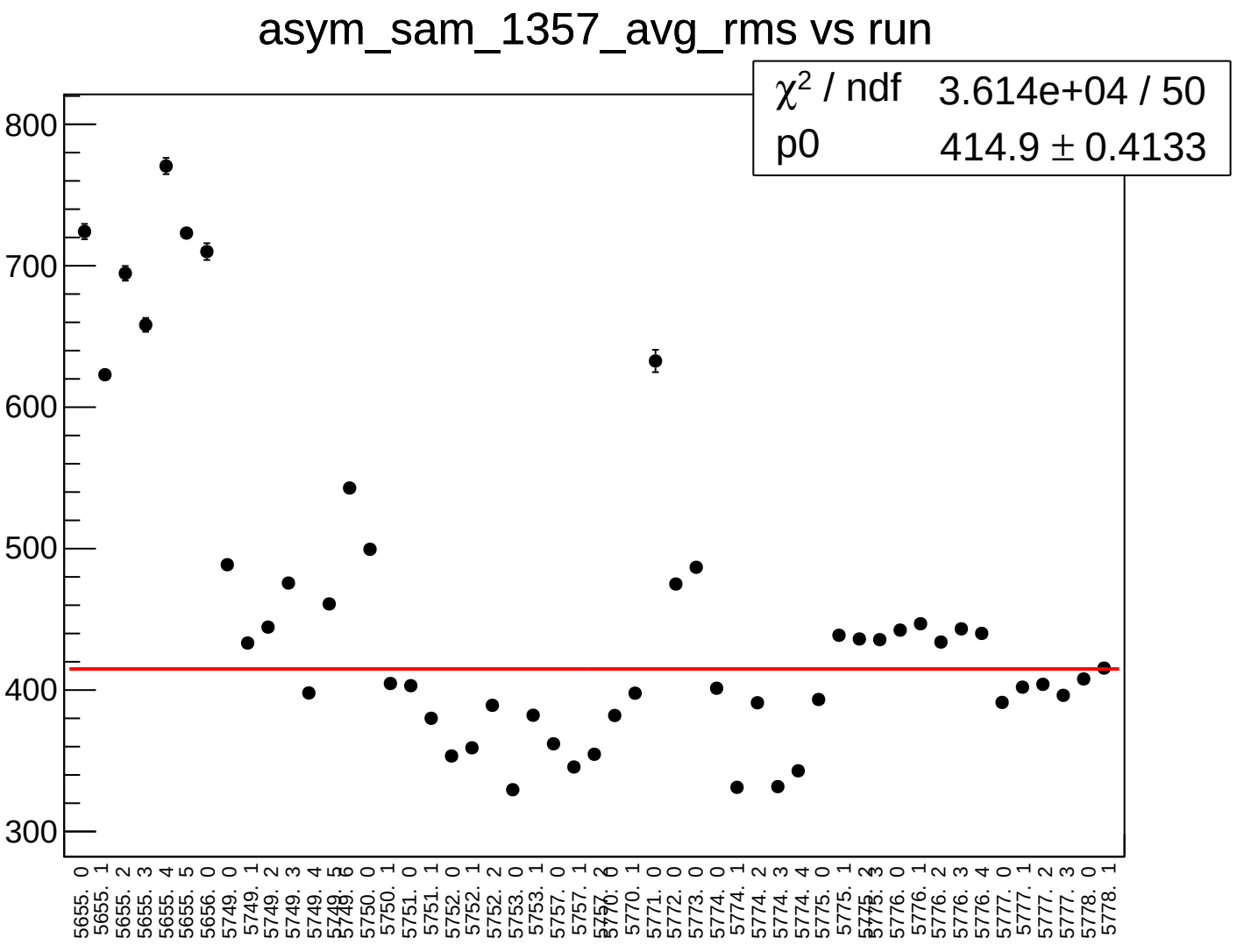

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 42.07 / 50
p0 −21.17 ± 571.6
pull
Entries 51
Mean −48.75
Std Dev 58.43

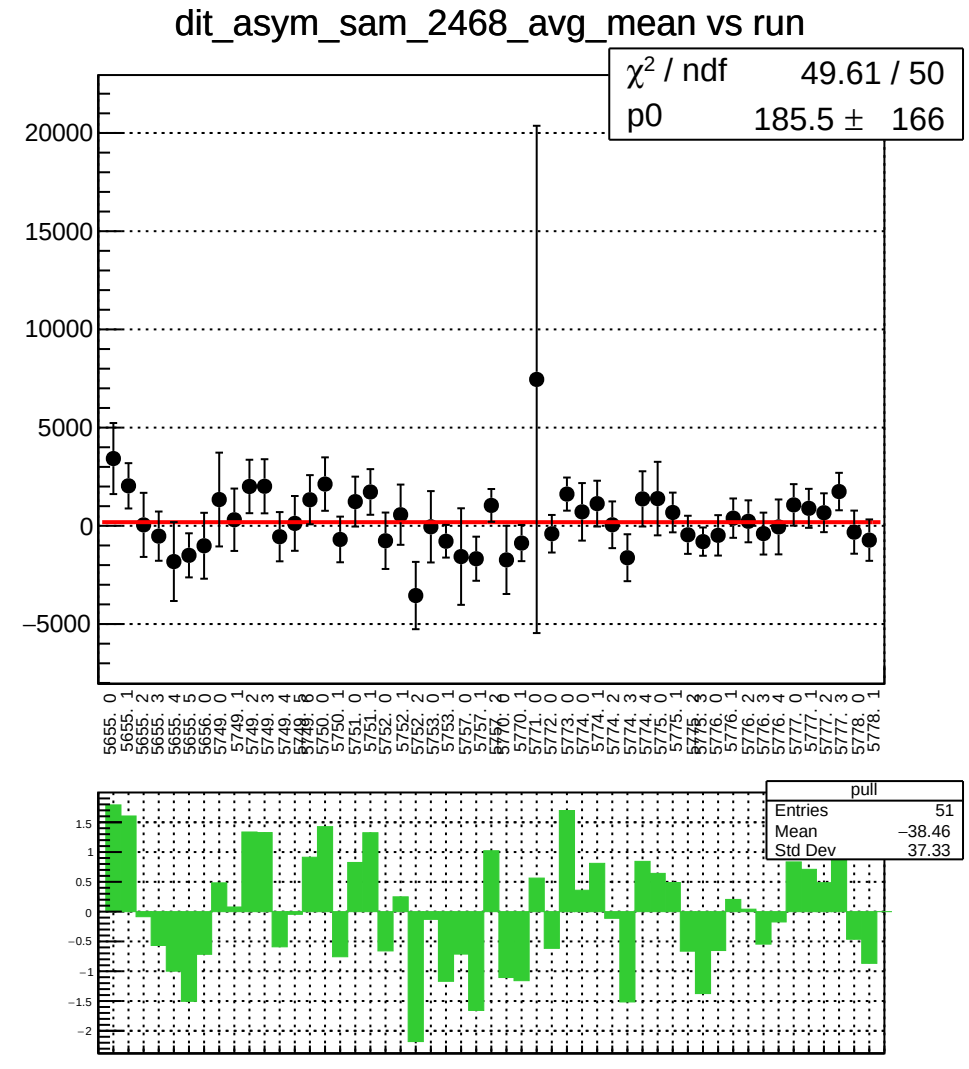

pull1D
Entries 51
Mean 0.009888
Std Dev 0.9082

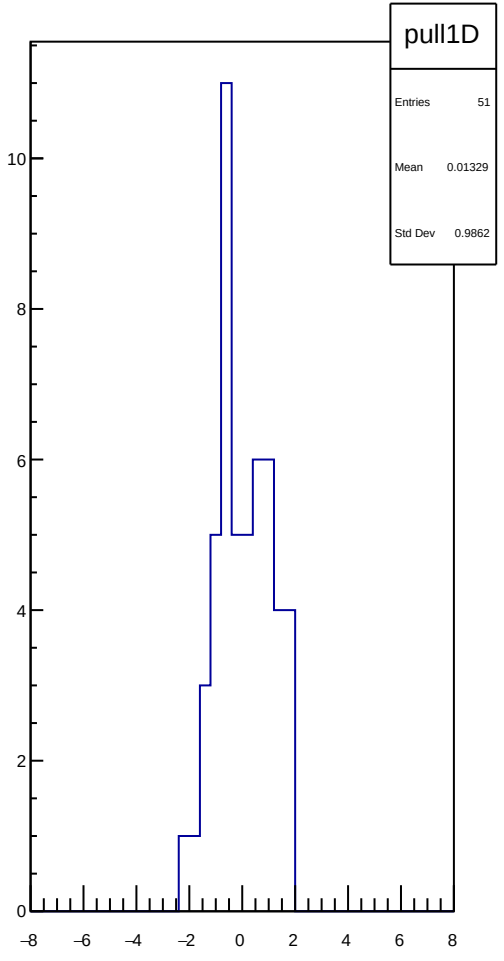

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3.302e+04 / 50
p0 406.3 ± 0.4042
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

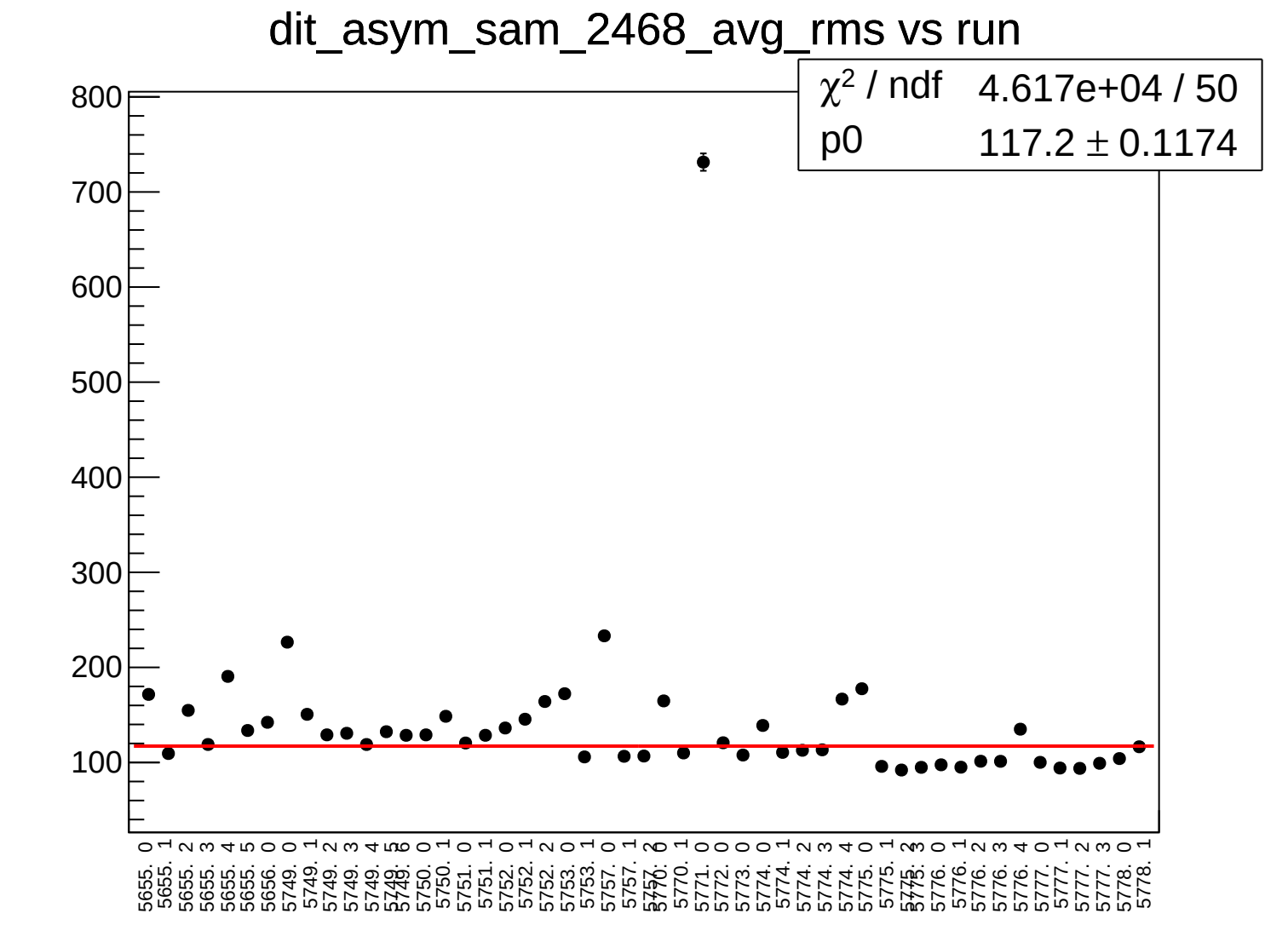

asym_sam_1357_avg_mean vs run
χ² / ndf 37.95 / 50
p0 −140.3 ± 584.6
pull
Entries 51
Mean −83.78
Std Dev 99.79

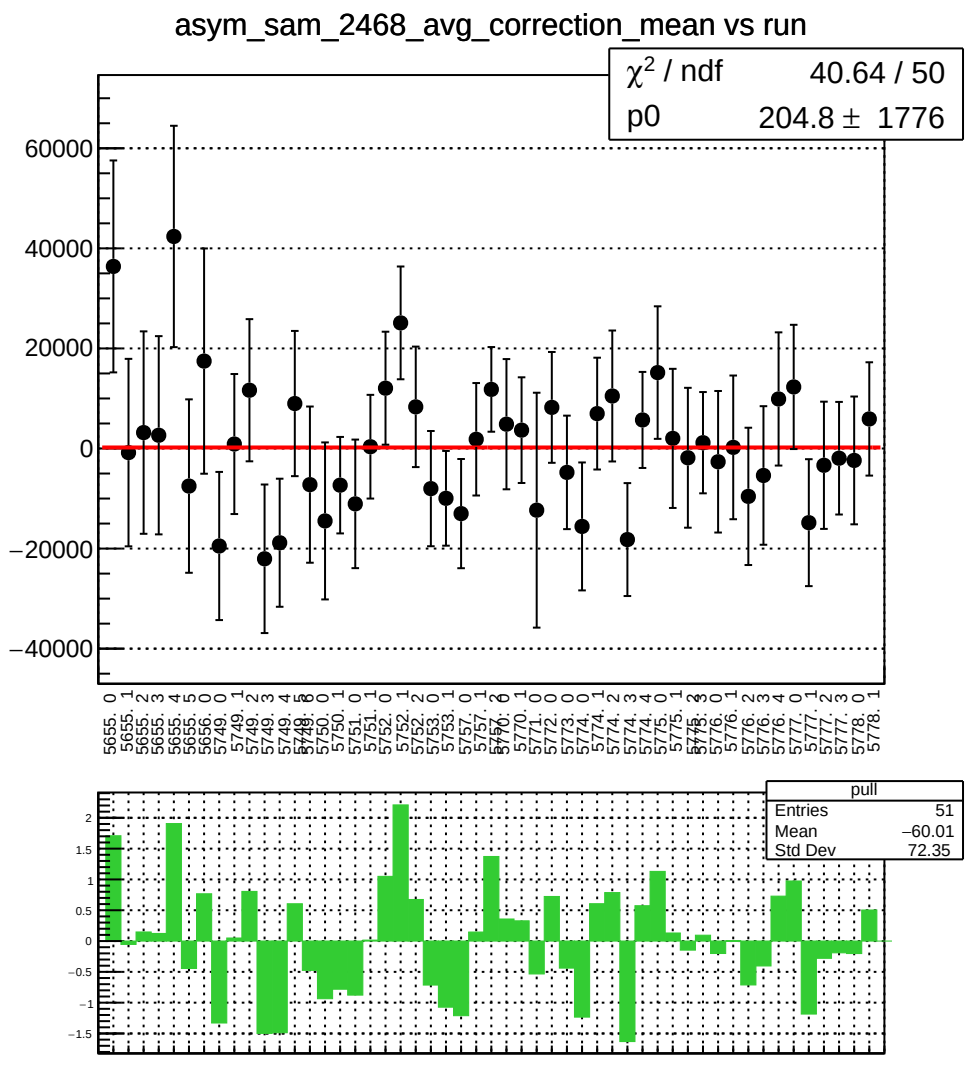

pull1D
Entries 51
Mean −0.008318
Std Dev 0.8626

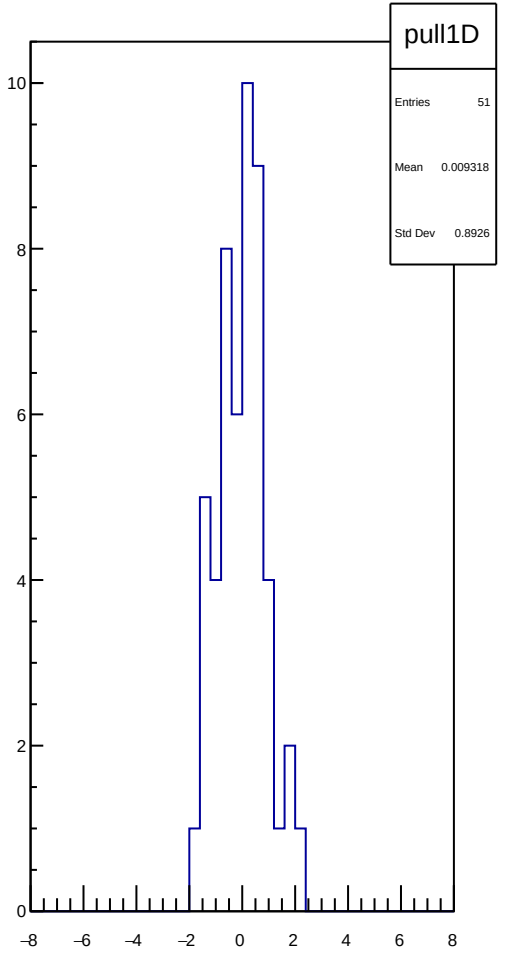

asym_sam_1357_avg_rms vs run
χ² / ndf 3.614e+04 / 50
p0 414.9 ± 0.4133
800
700
600
500
400
300
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

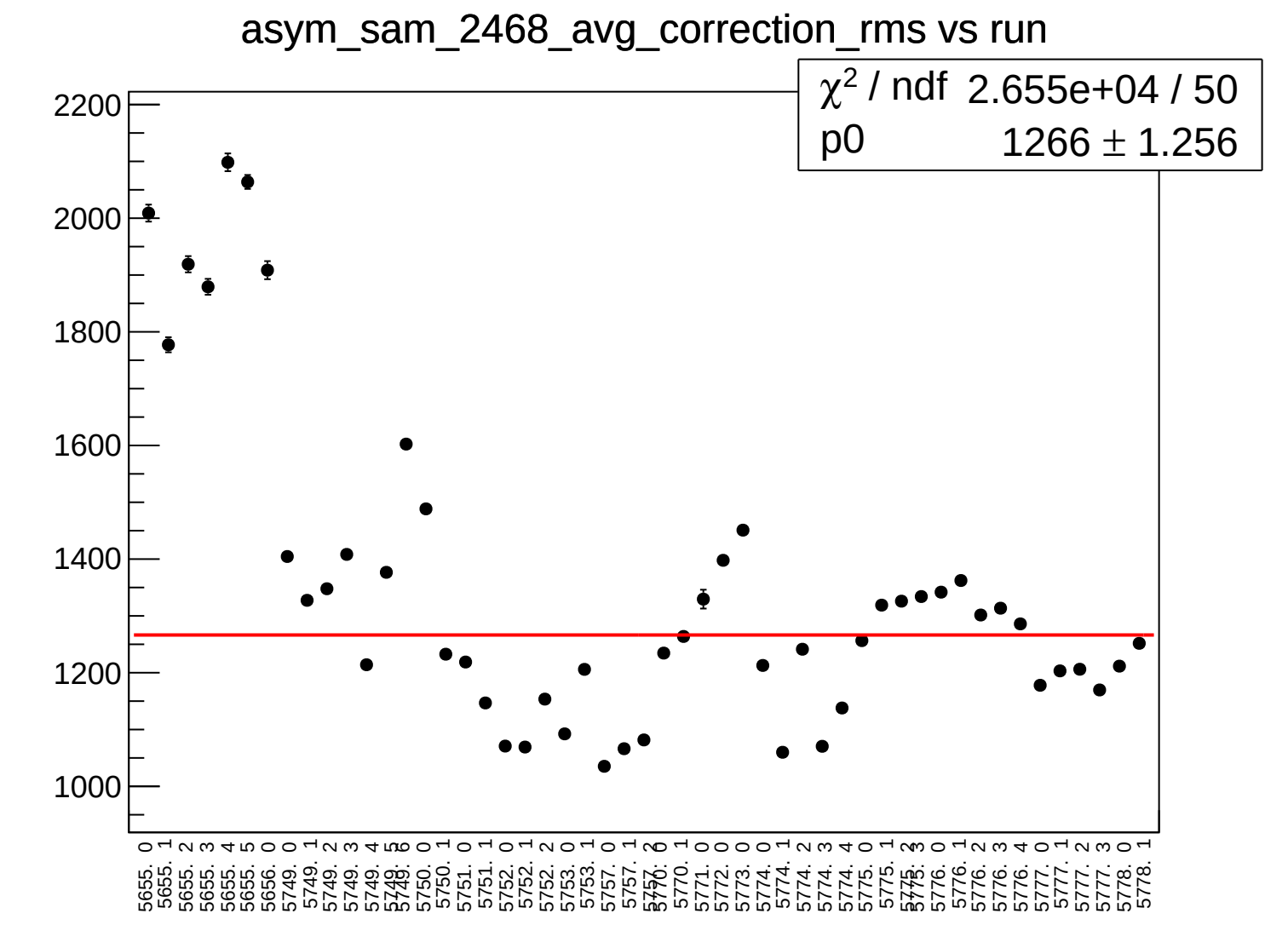

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 49.61 / 50
p0 185.5 ± 166
pull
Entries 51
Mean −38.46
Std Dev 37.33

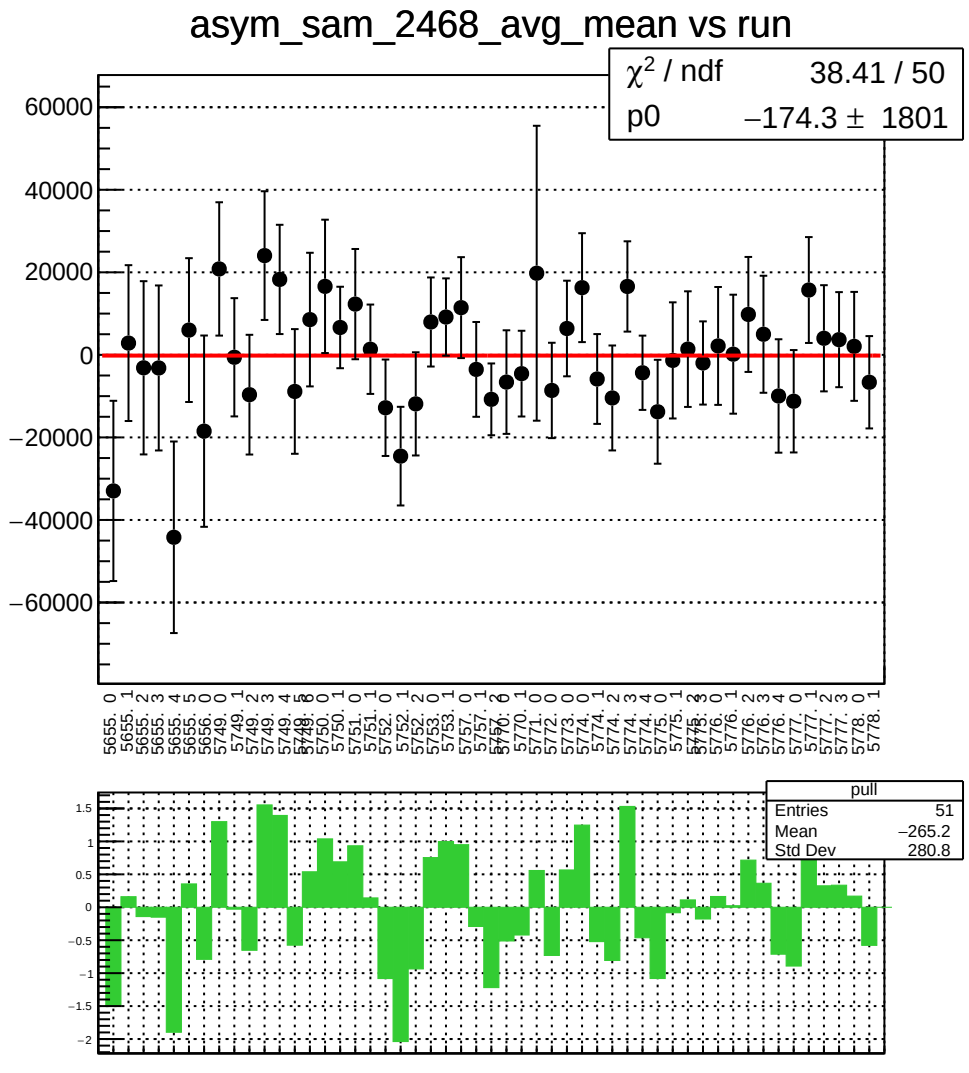

pull1D
Entries 51
Mean 0.01329
Std Dev 0.9862

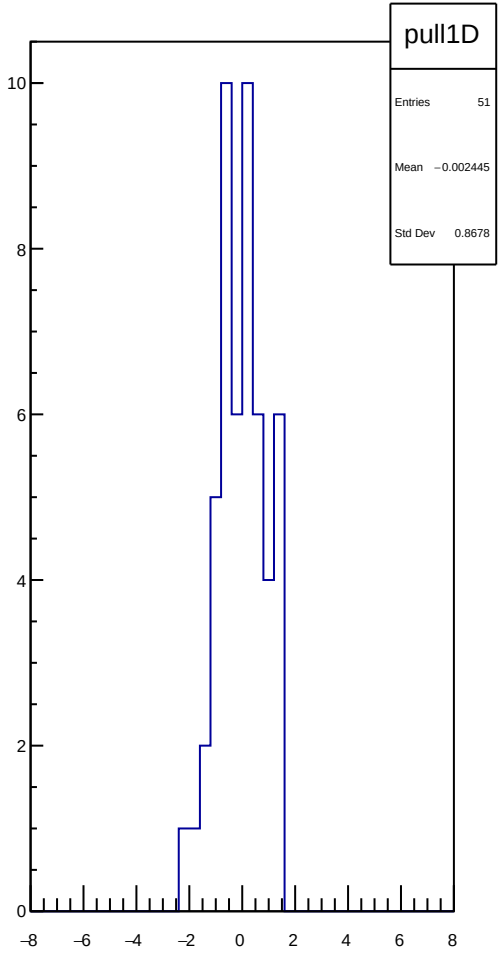

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.617e+04 / 50
p0 117.2 ± 0.1174
800
700
600
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

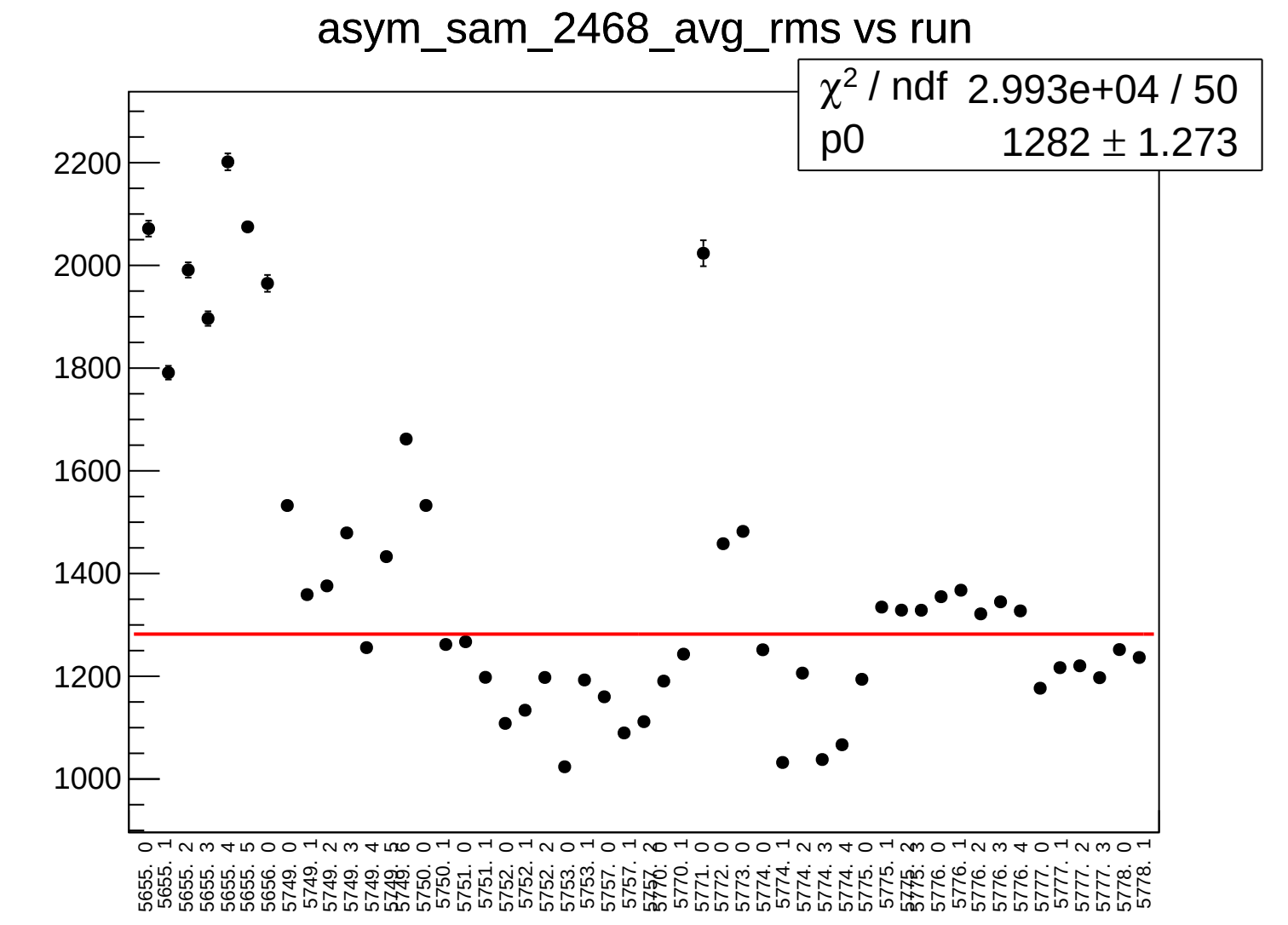

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 40.64 / 50
p0 204.8 ± 1776
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean −60.01
Std Dev 72.35
2
1.5
1
0.5
0
−0.5
−1
−1.5

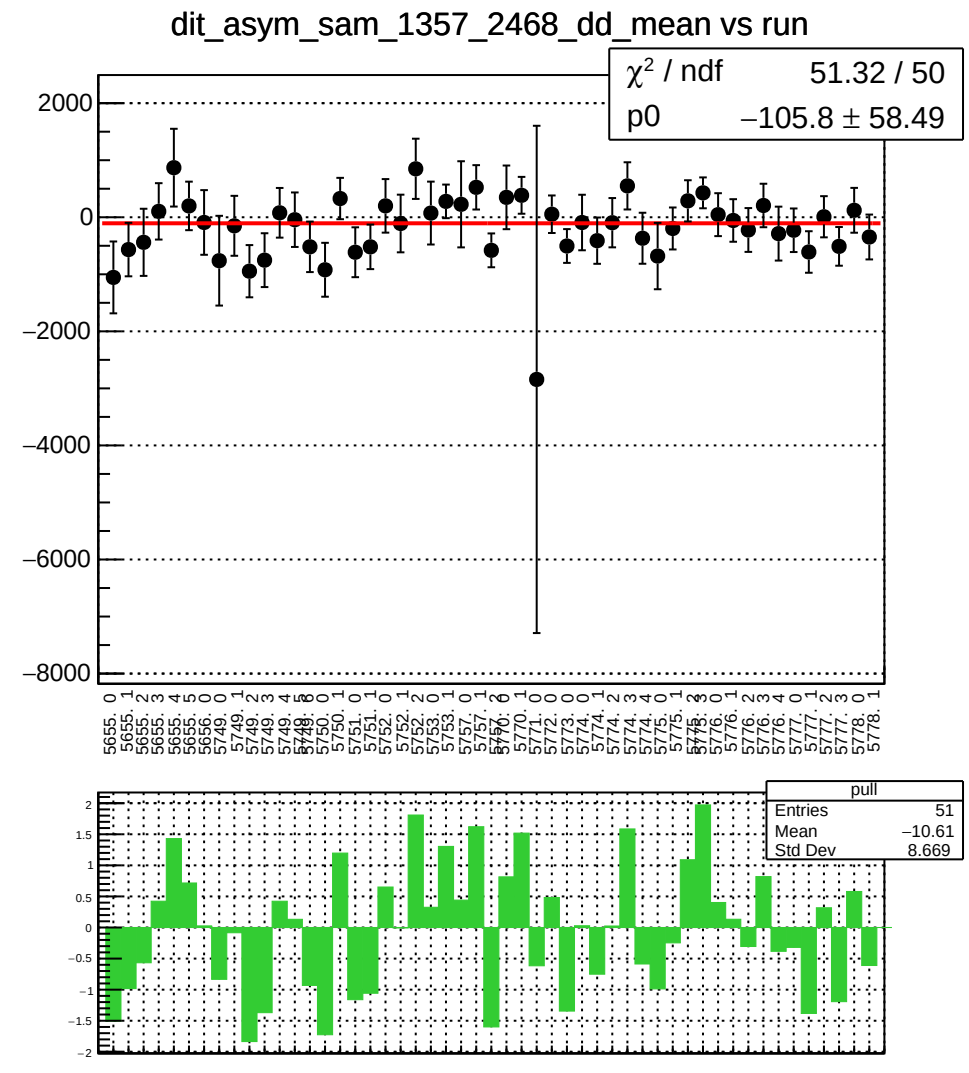

pull1D
Entries 51
Mean 0.009318
Std Dev 0.8926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

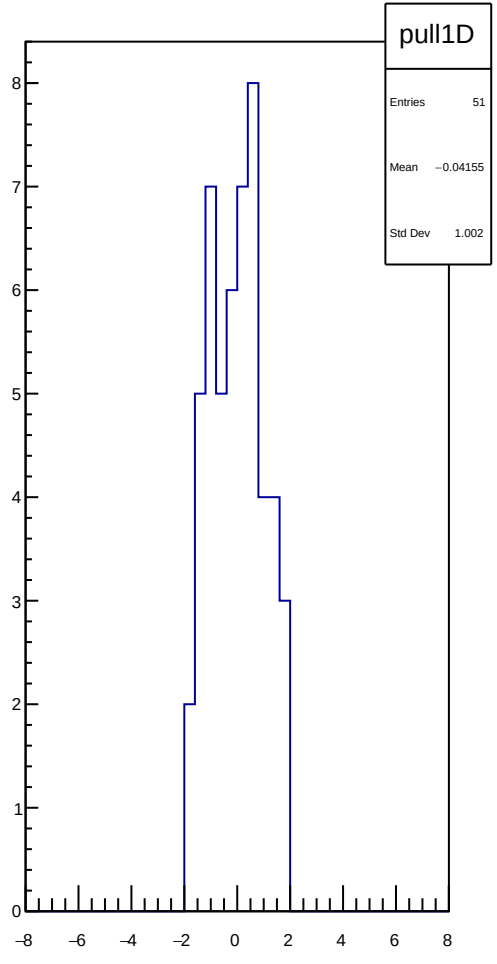

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.655e+04 / 50
p0 1266 ± 1.256
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

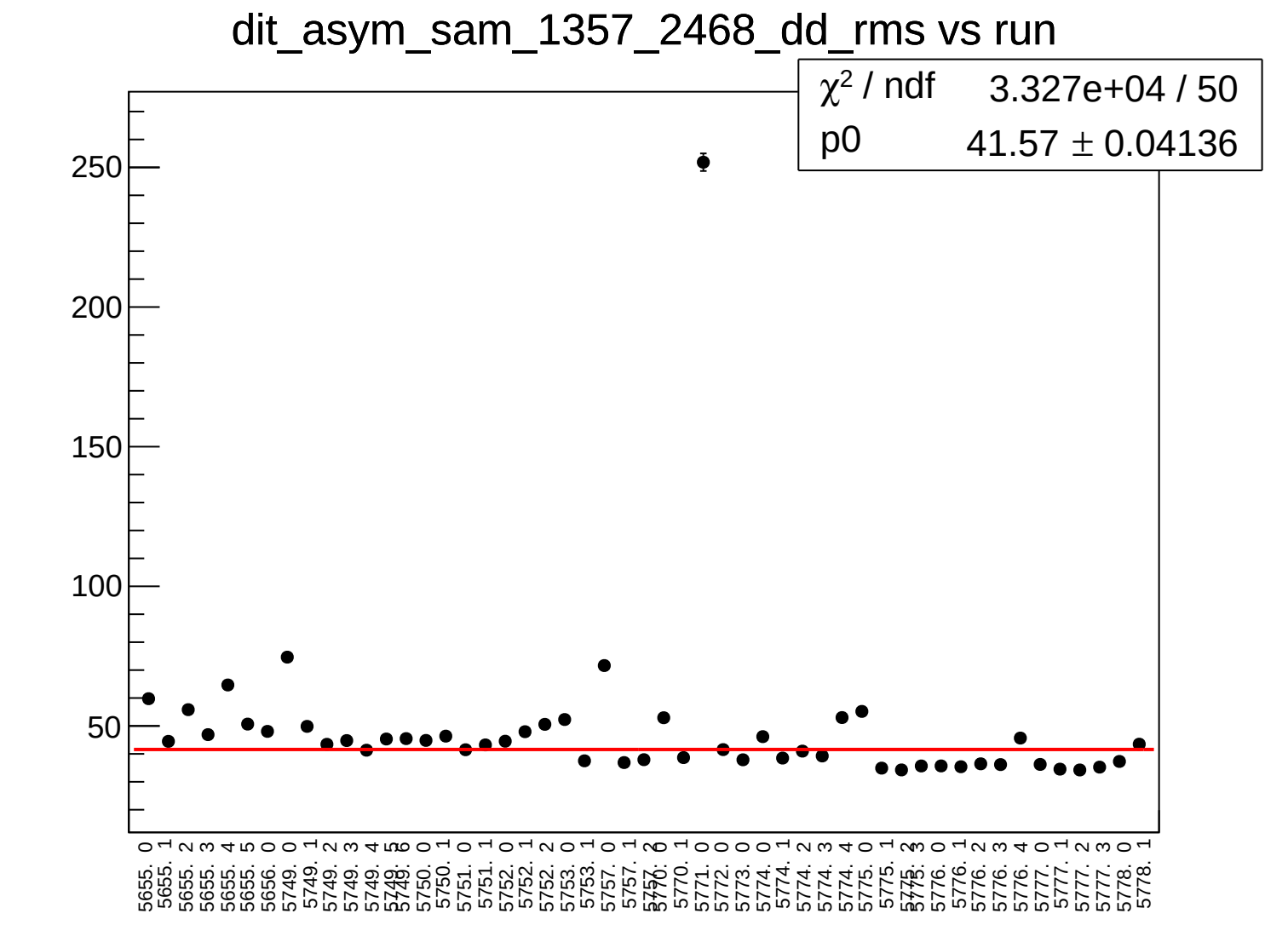

asym_sam_2468_avg_mean vs run
χ² / ndf 38.41 / 50
p0 −174.3 ± 1801
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 51
Mean −265.2
Std Dev 280.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

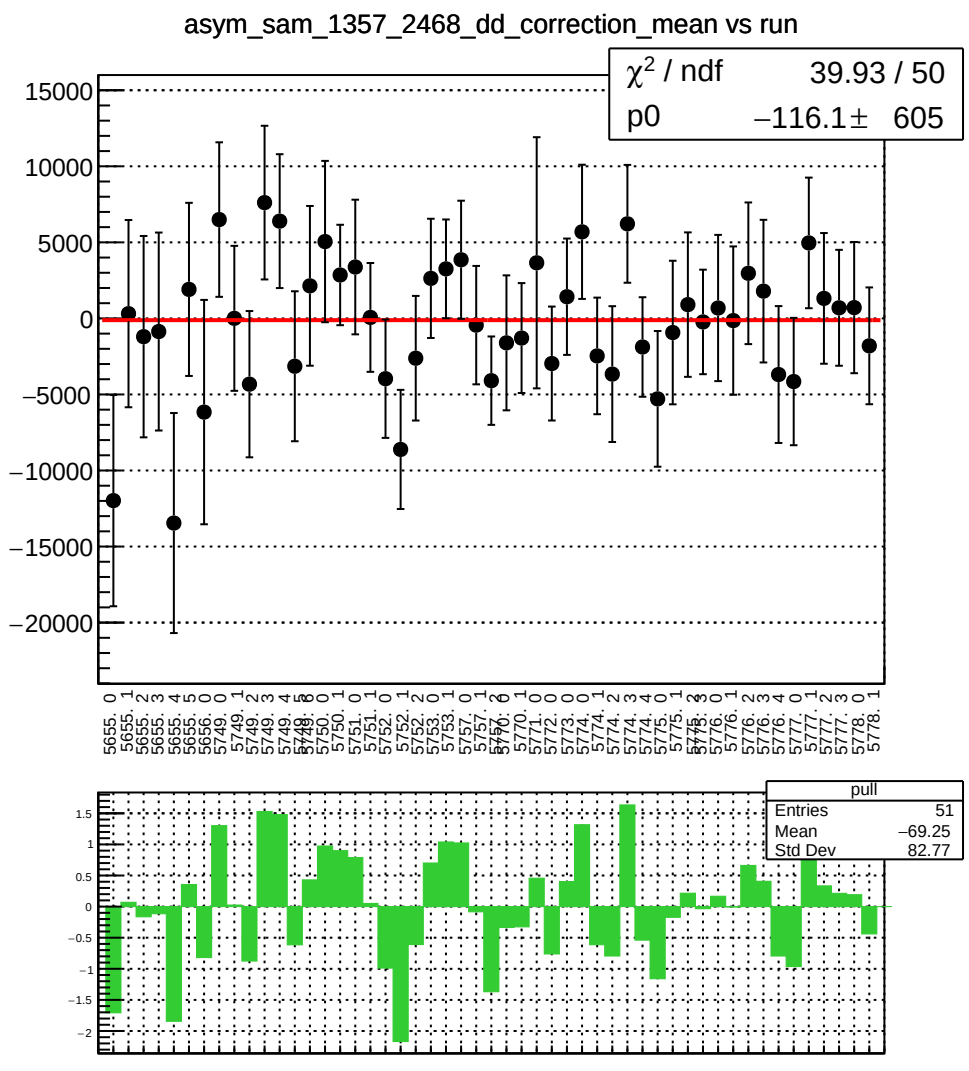

pull1D
Entries 51
Mean −0.002445
Std Dev 0.8678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

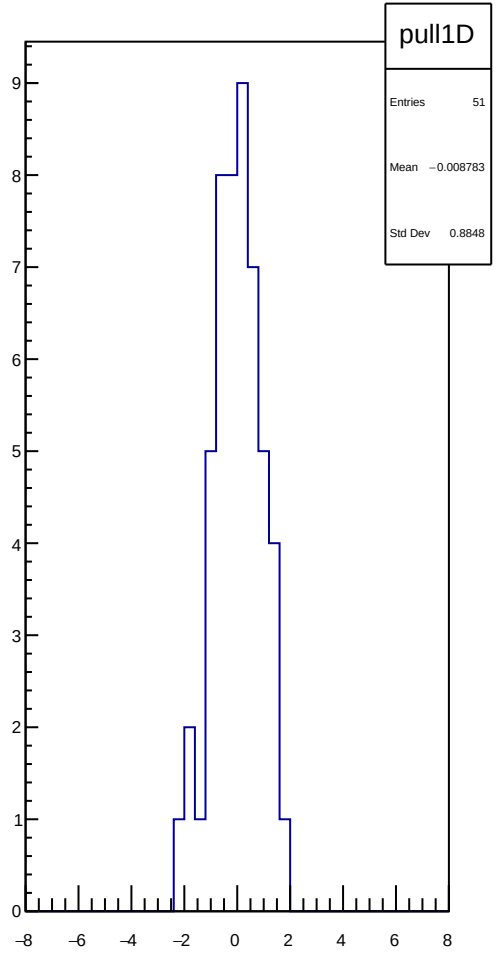

asym_sam_2468_avg_rms vs run
χ² / ndf 2.993e+04 / 50
p0 1282 ± 1.273
2200
2000
1800
1600
1400
1200
1000
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

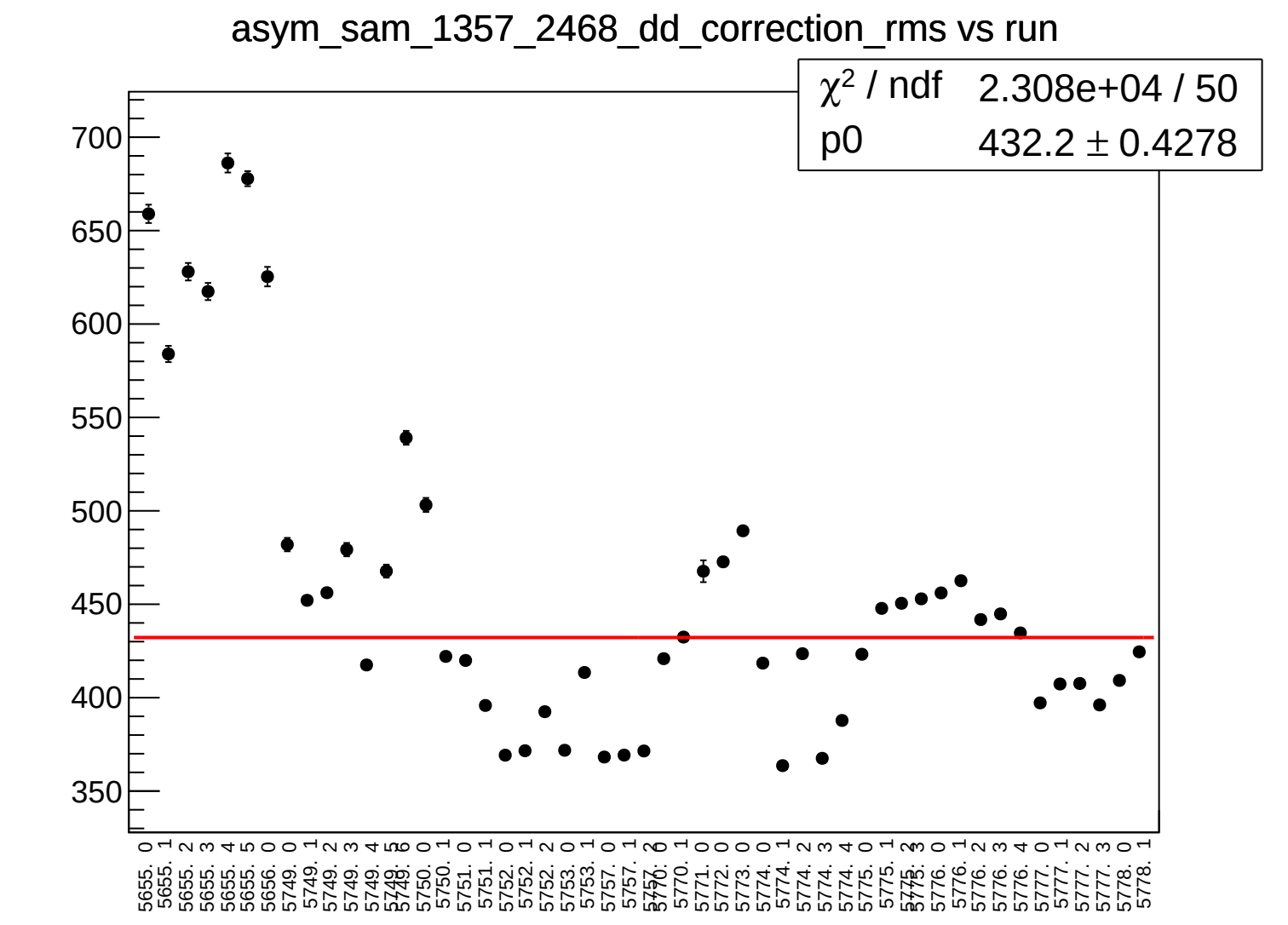

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 51.32 / 50
p0 −105.8 ± 58.49
2000
0
−2000
−4000
−6000
−8000
pull
Entries 51
Mean −10.61
Std Dev 8.669
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

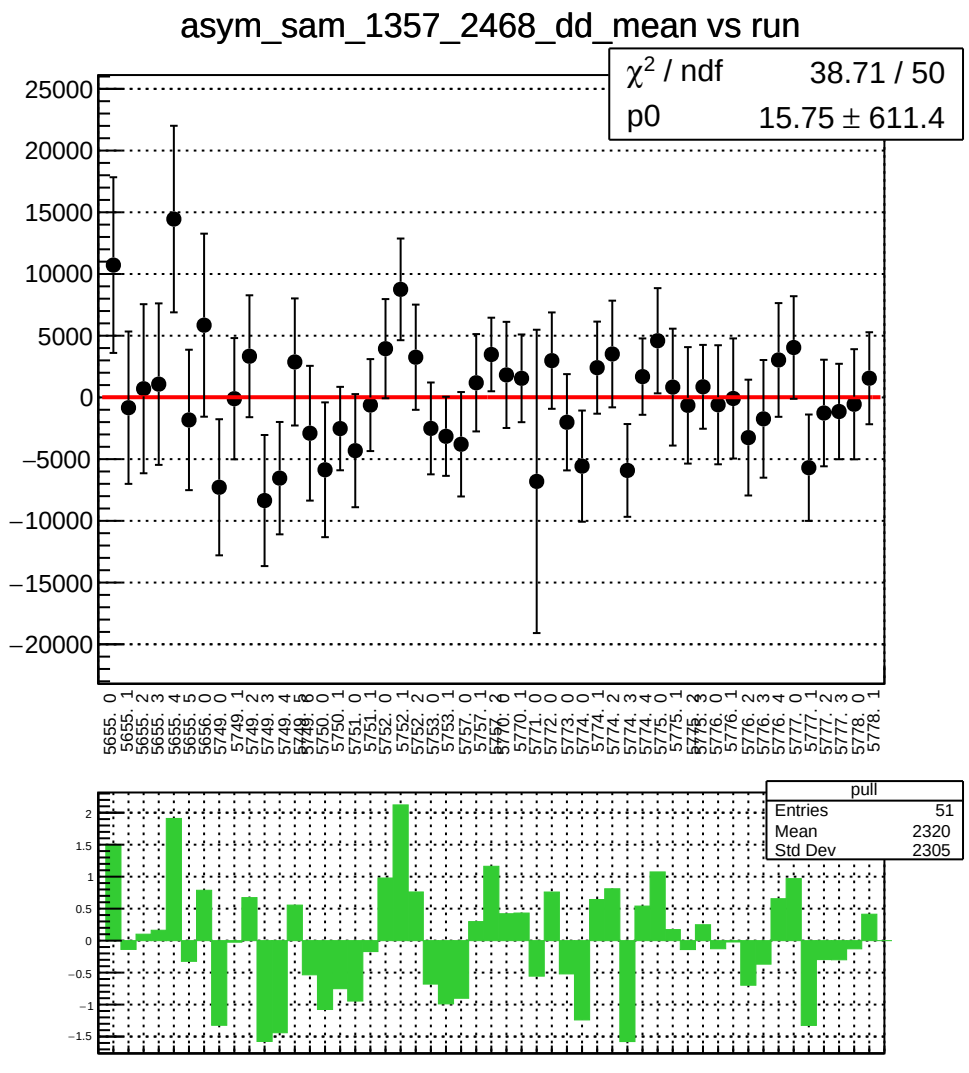

pull1D
Entries 51
Mean −0.04155
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

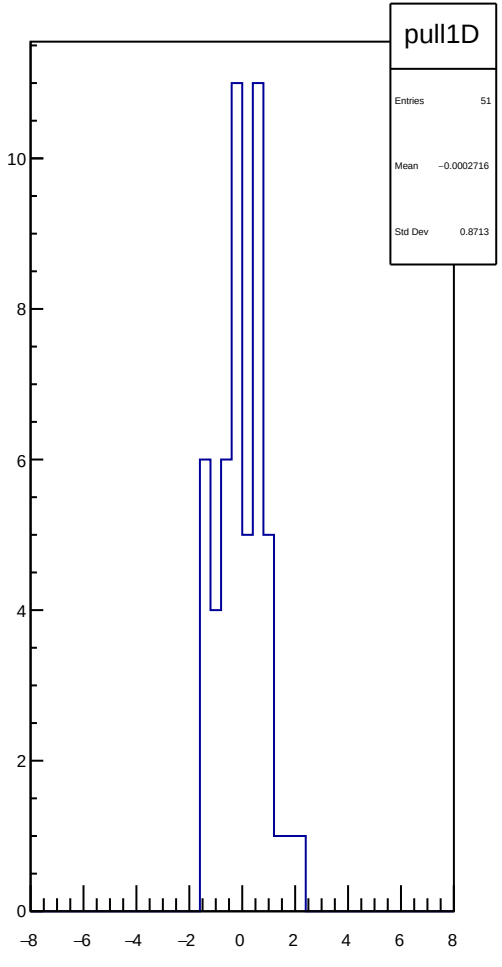

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.327e+04 / 50
p0 41.57 ± 0.04136
250
200
150
100
50
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
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

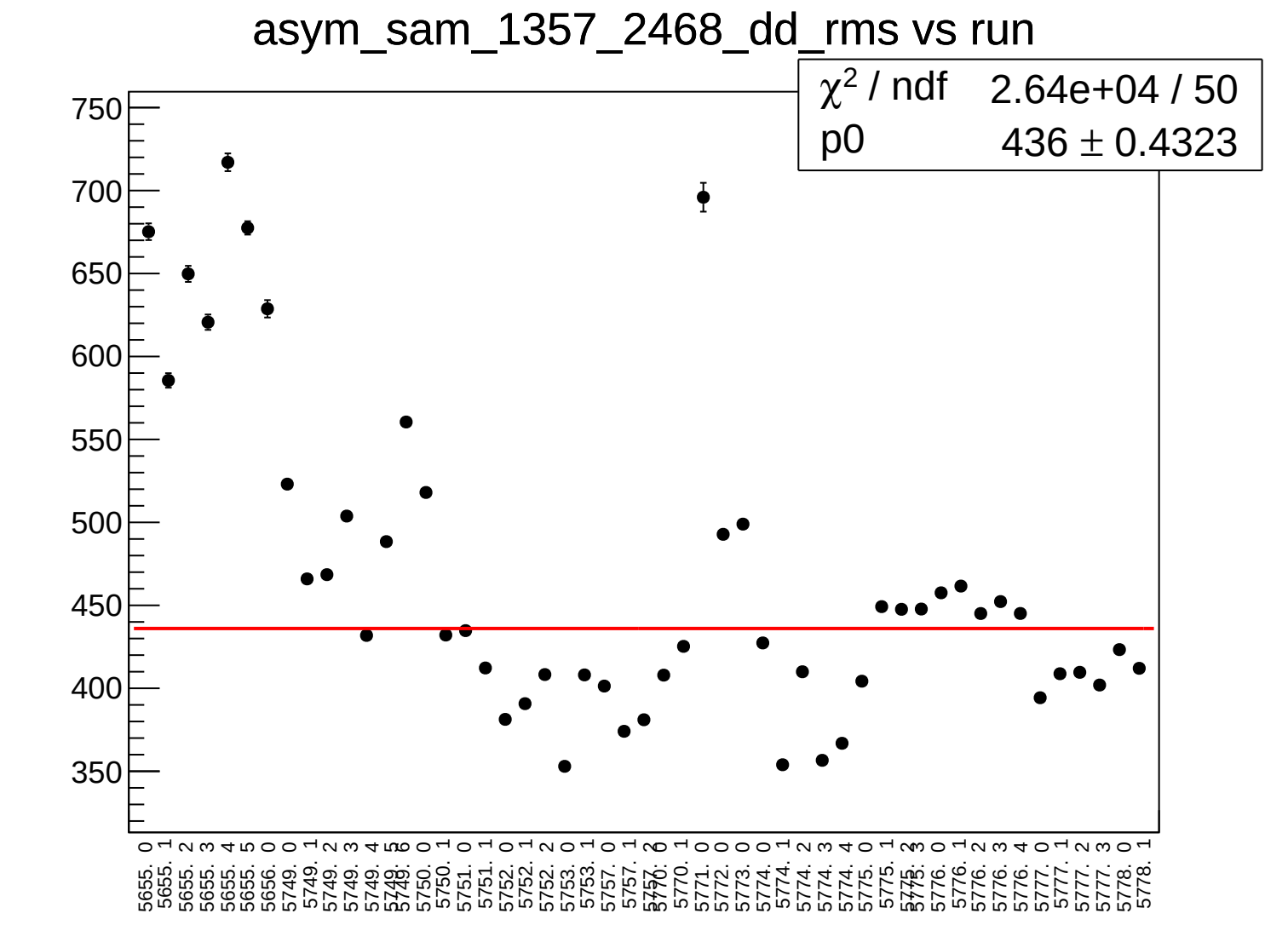

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 39.93 / 50
p0 −116.1± 605
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 51
Mean −69.25
Std Dev 82.77
1.5
1
0.5
0
−0.5
−1
−1.5
−2

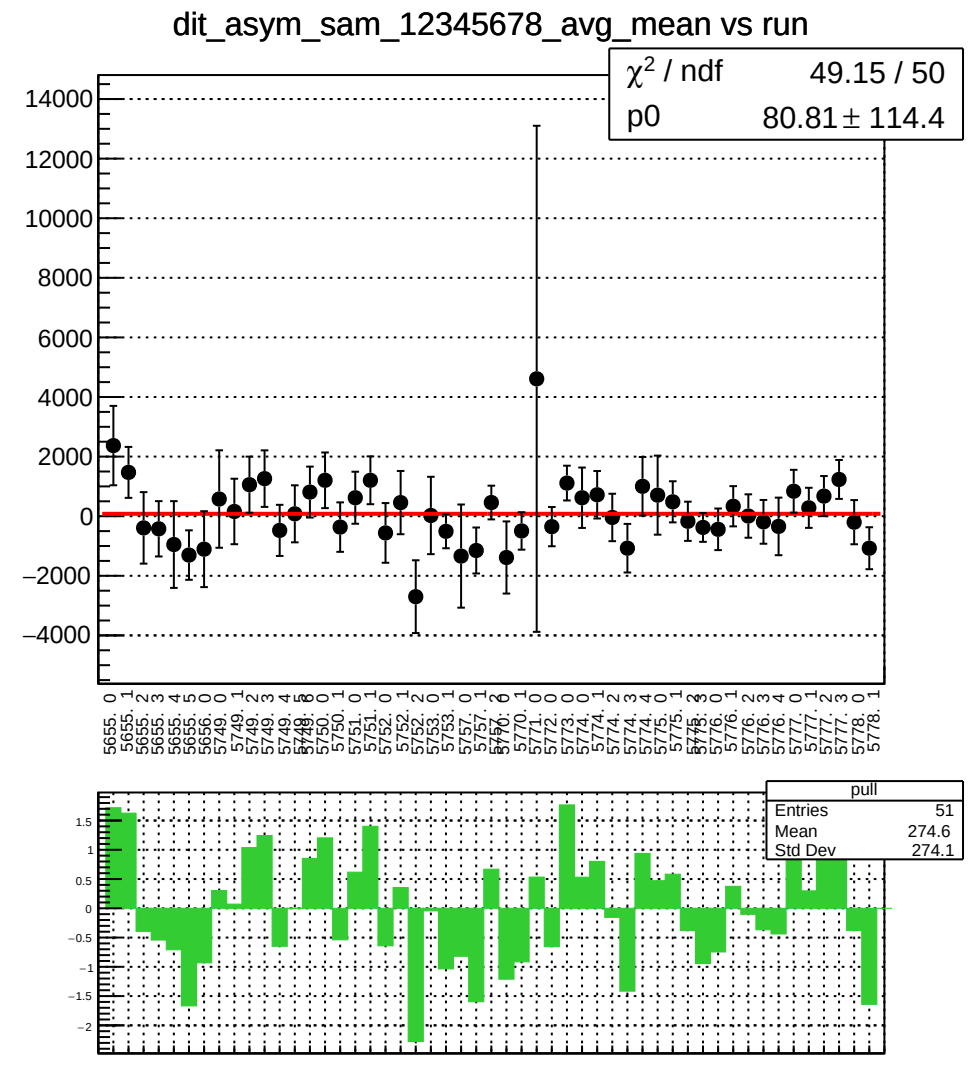

pull1D
Entries 51
Mean −0.008783
Std Dev 0.8848
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

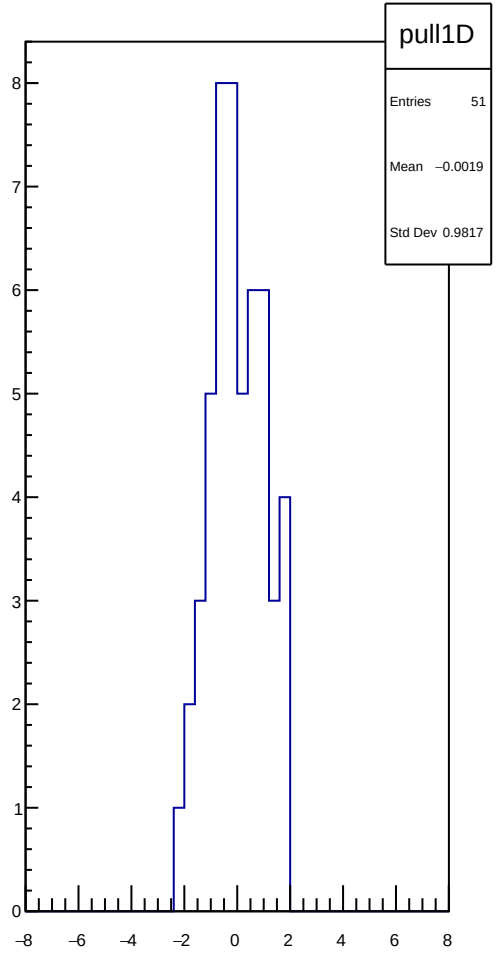

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.308e+04 / 50
p0 432.2 ± 0.4278
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
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

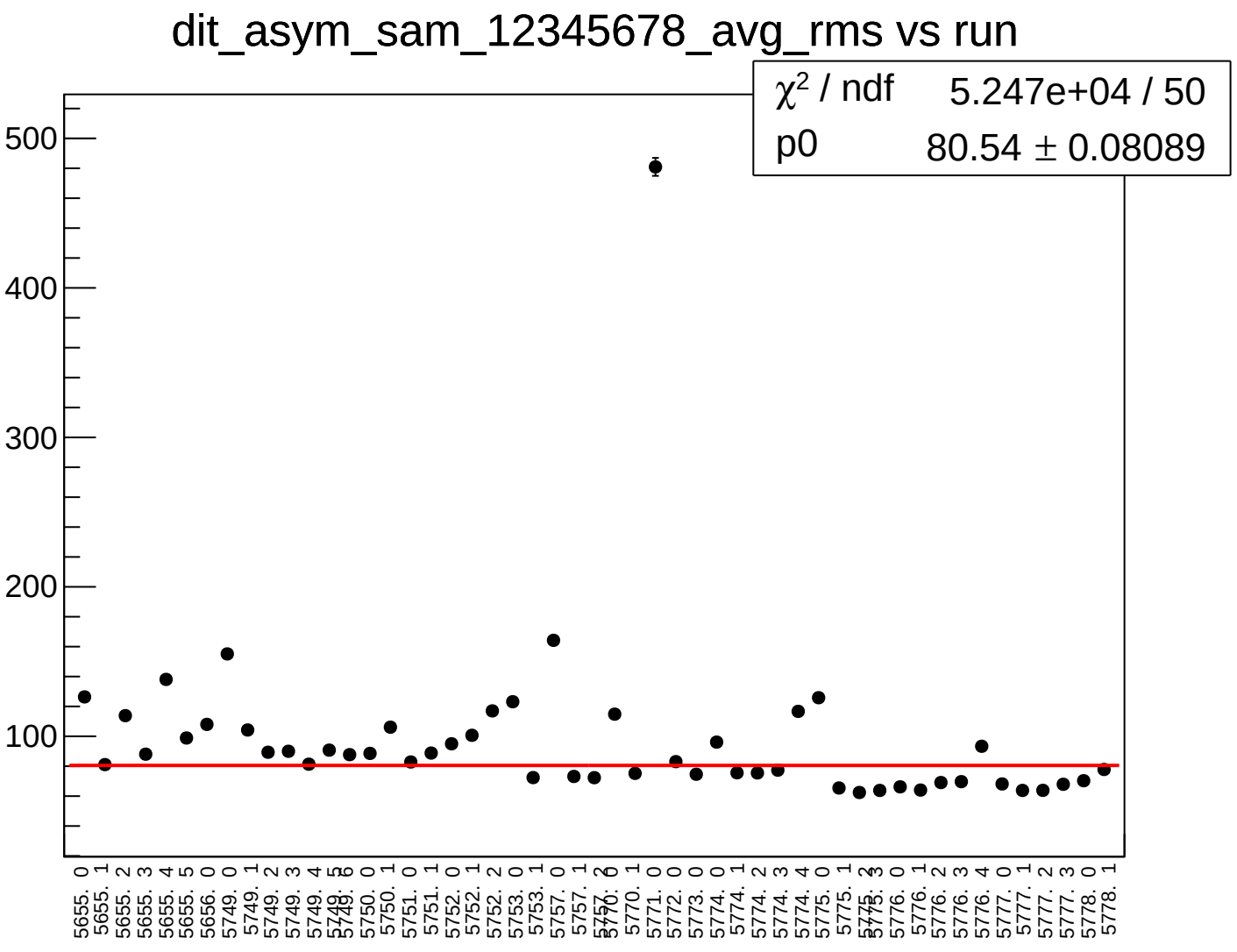

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 38.71 / 50
p0 15.75 ± 611.4
pull
Entries 51
Mean 2320
Std Dev 2305

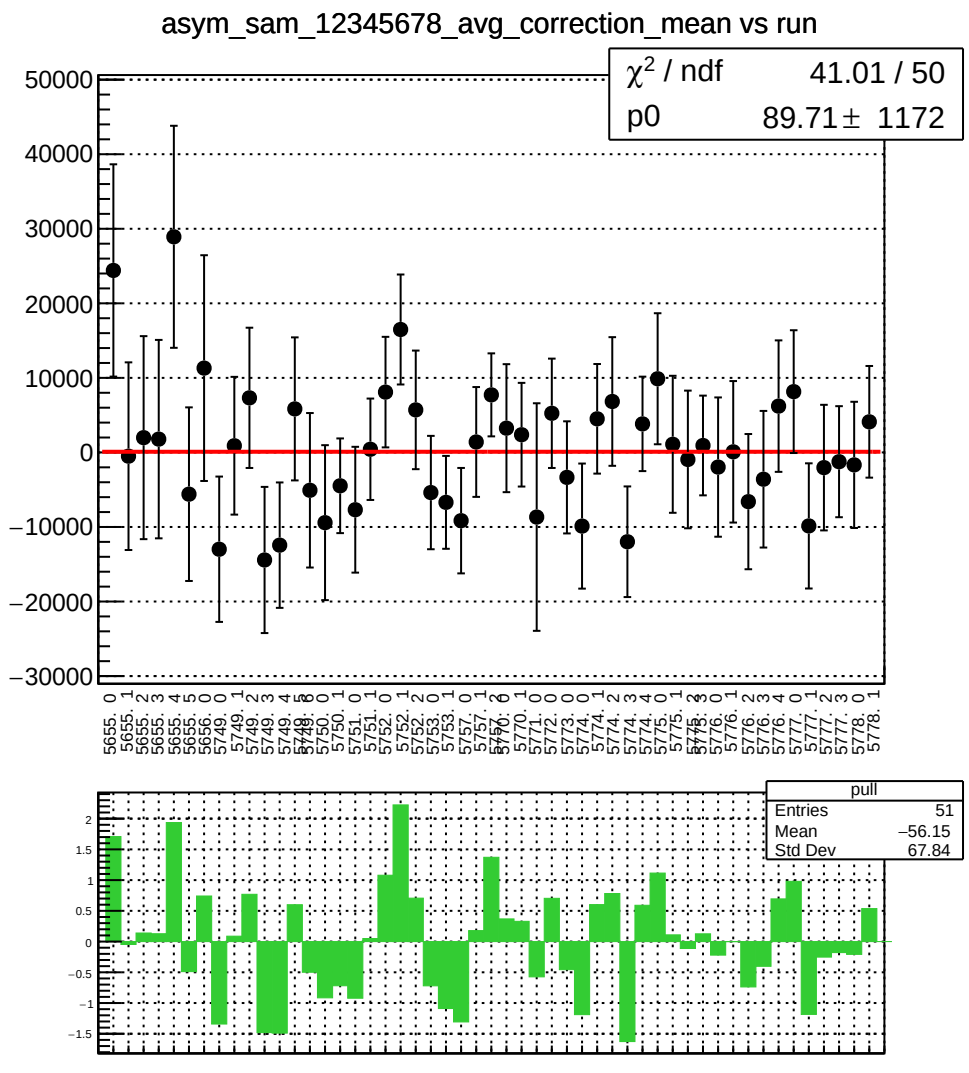

pull1D
Entries 51
Mean −0.0002716
Std Dev 0.8713

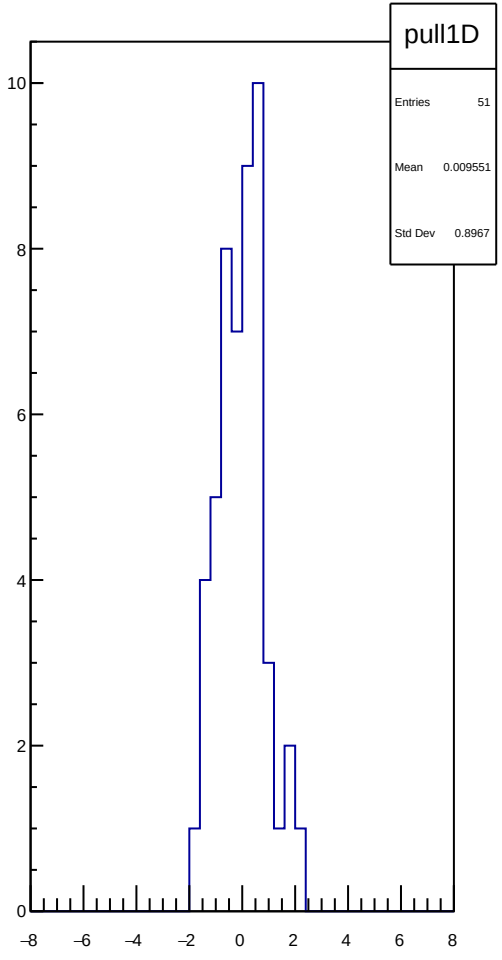

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.64e+04 / 50
p0 436 ± 0.4323
750
700
650
600
550
500
450
400
350
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

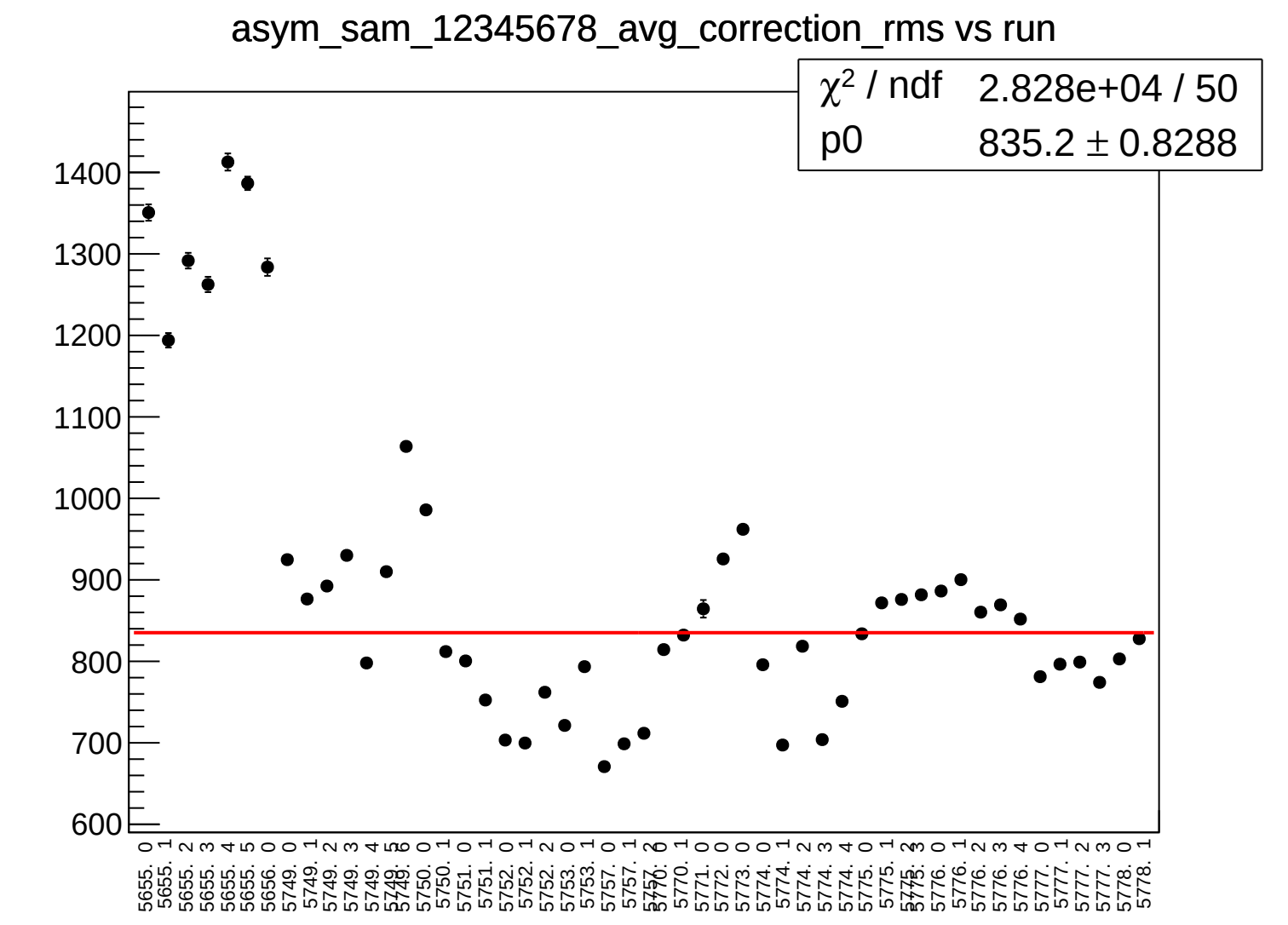

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 49.15 / 50
p0 80.81 ± 114.4
pull
Entries 51
Mean 274.6
Std Dev 274.1

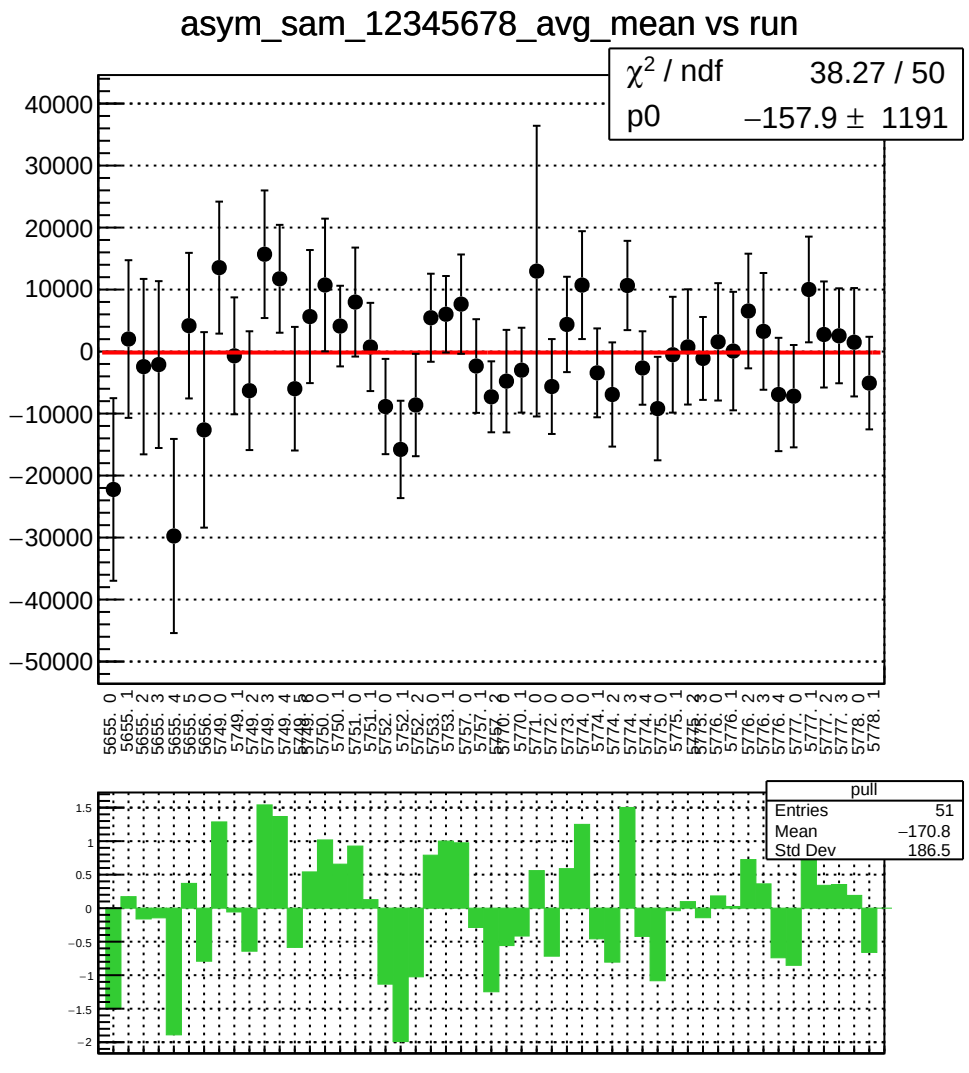

pull1D
Entries 51
Mean −0.0019
Std Dev 0.9817

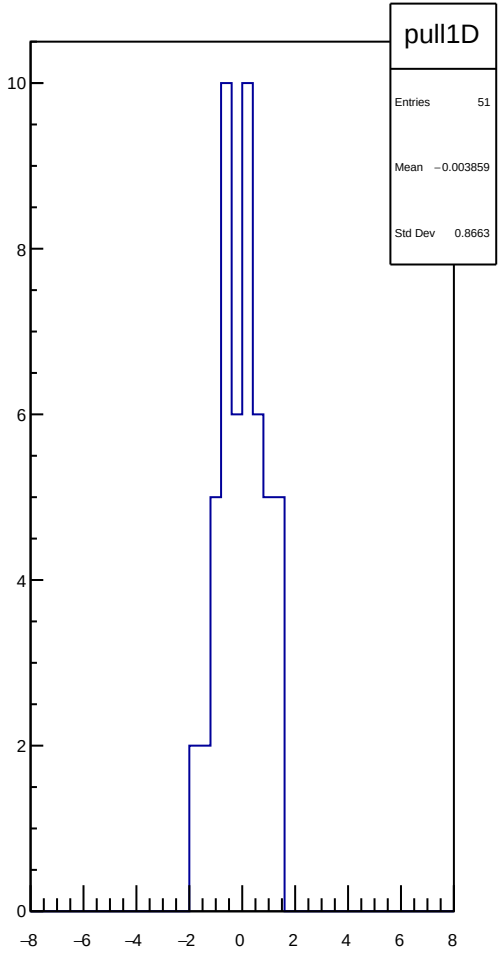

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 5.247e+04 / 50
p0 80.54 ± 0.08089
500
400
300
200
100
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

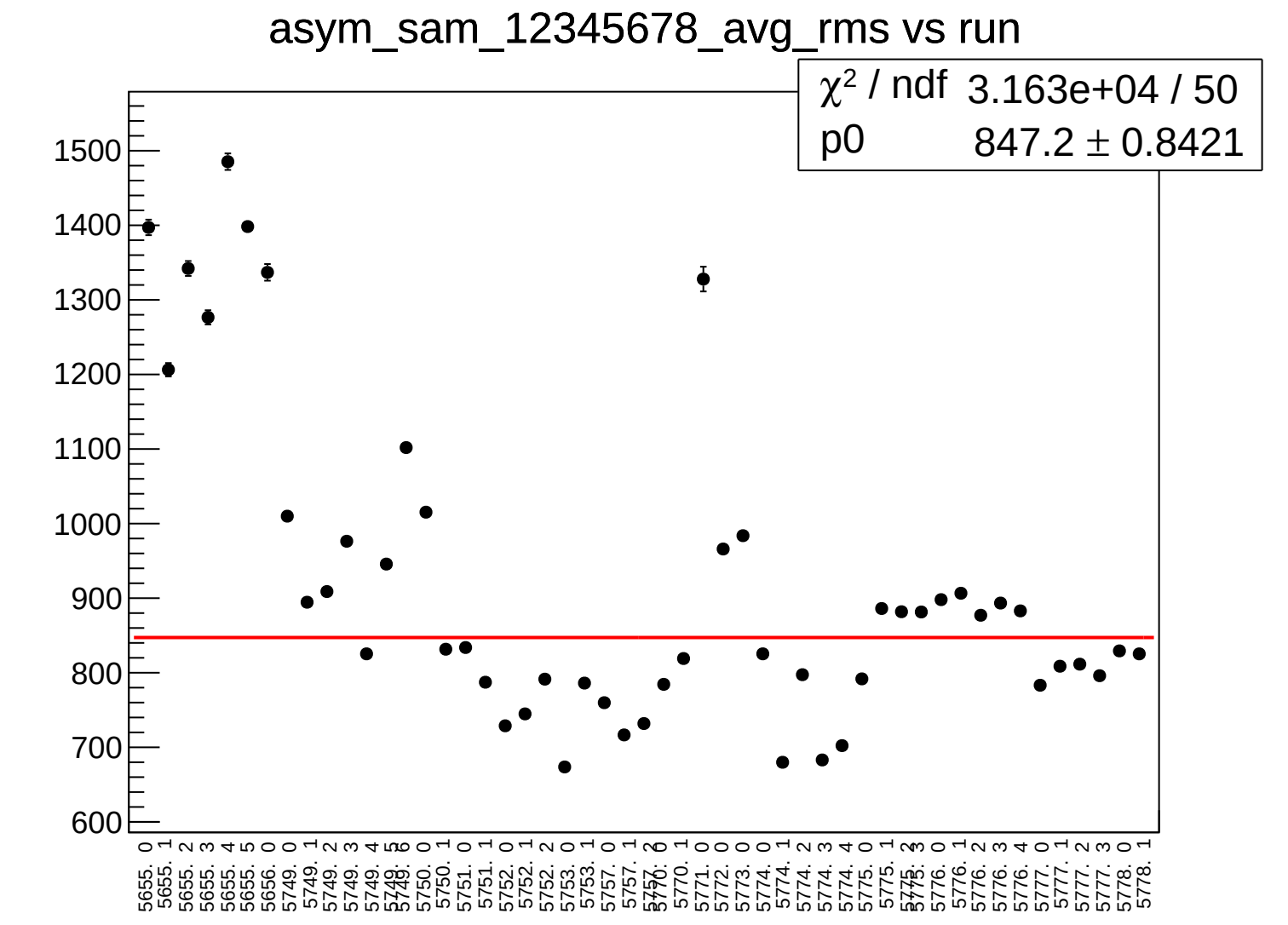

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 41.01 / 50
p0 89.71 ± 1172
pull
Entries 51
Mean −56.15
Std Dev 67.84

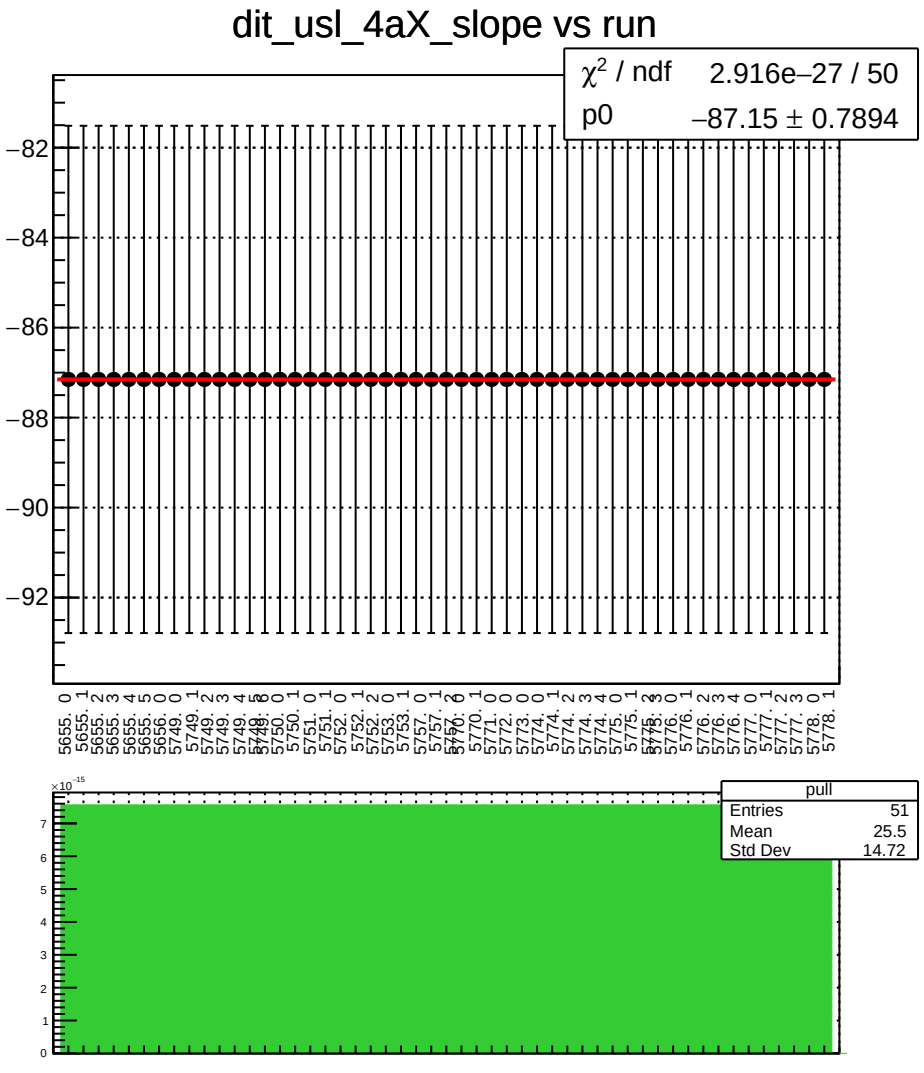

pull1D
Entries 51
Mean 0.009551
Std Dev 0.8967

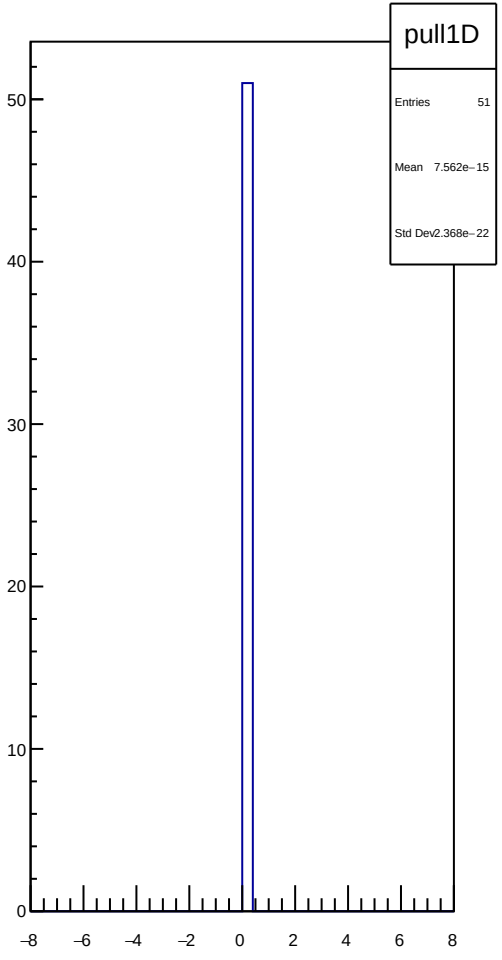

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.828e+04 / 50
p0 835.2 ± 0.8288
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

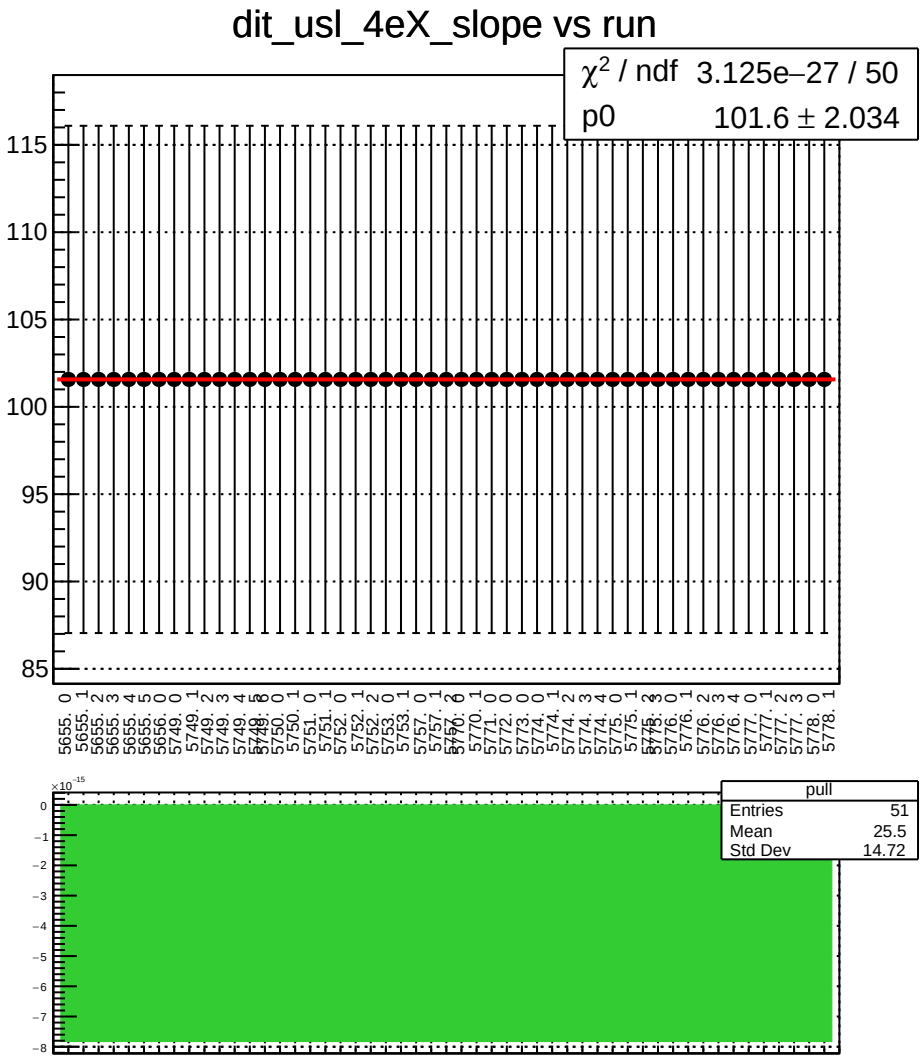

asym_sam_12345678_avg_mean vs run
χ² / ndf 38.27 / 50
p0 −157.9 ± 1191
pull
Entries 51
Mean −170.8
Std Dev 186.5

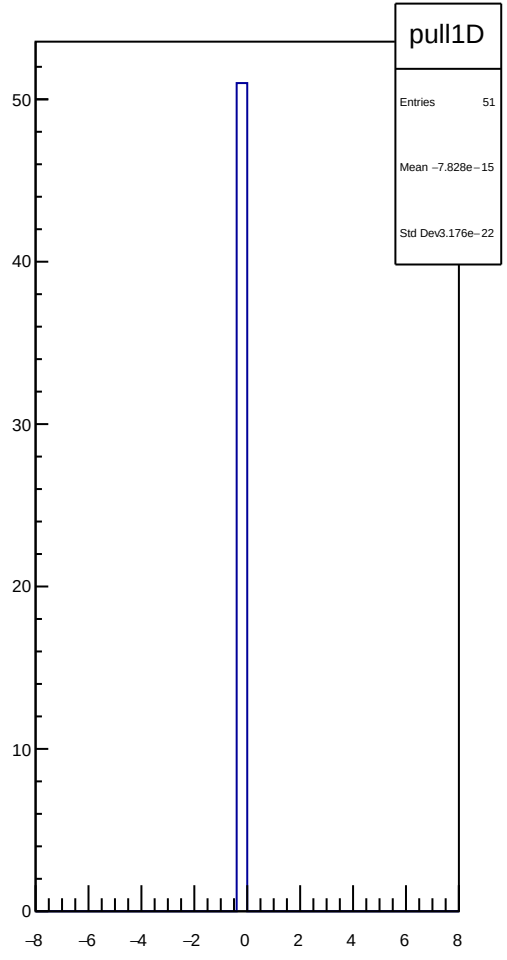

pull1D
Entries 51
Mean −0.003859
Std Dev 0.8663

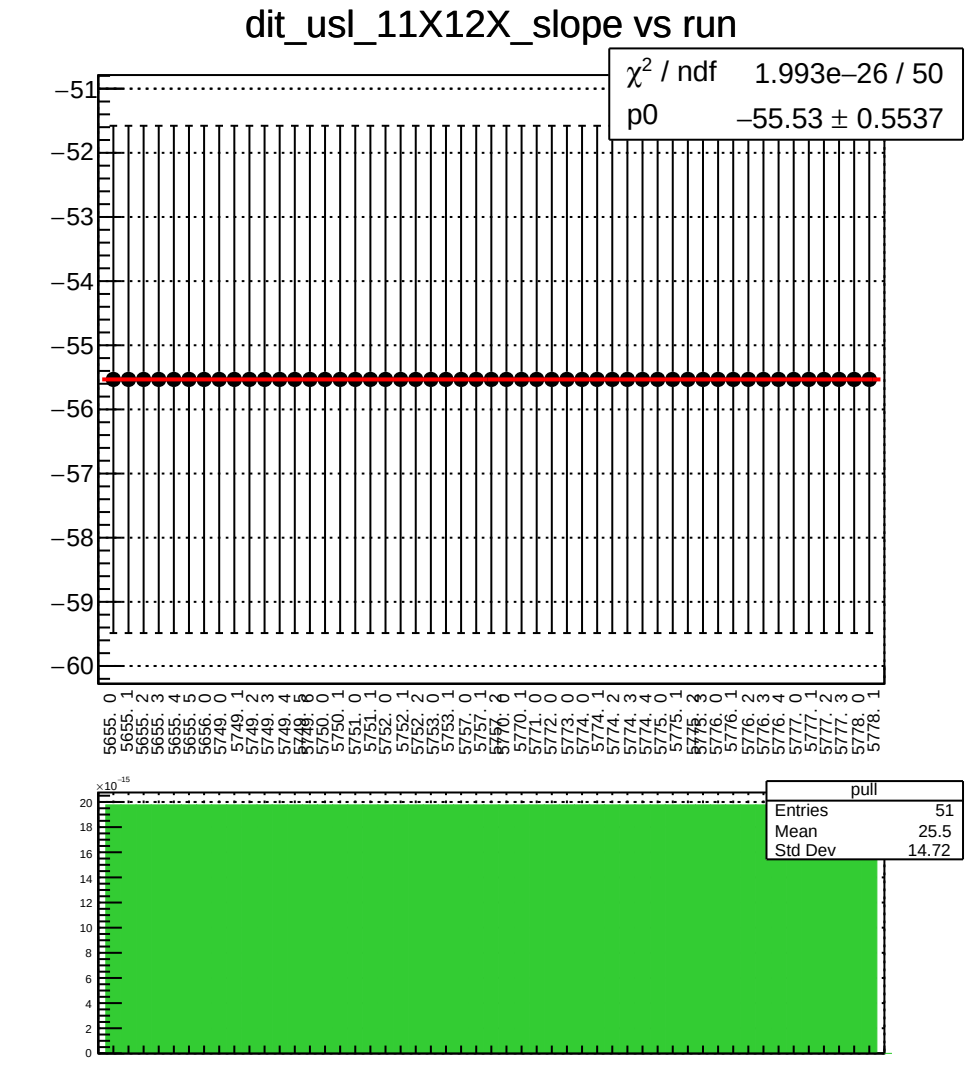

asym_sam_12345678_avg_rms vs run
χ² / ndf 3.163e+04 / 50
p0 847.2 ± 0.8421
1500
1400
1300
1200
1100
1000
900
800
700
600
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5770. 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

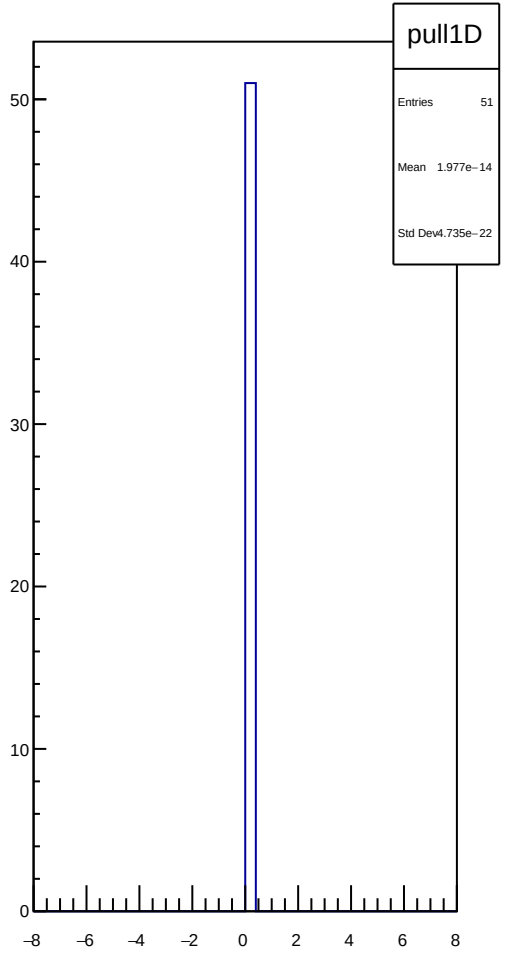

dit_usl_4aX_slope vs run
χ² / ndf 2.916e−27 / 50
p0 −87.15 ± 0.7894
−82
−84
−86
−88
−90
−92
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 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

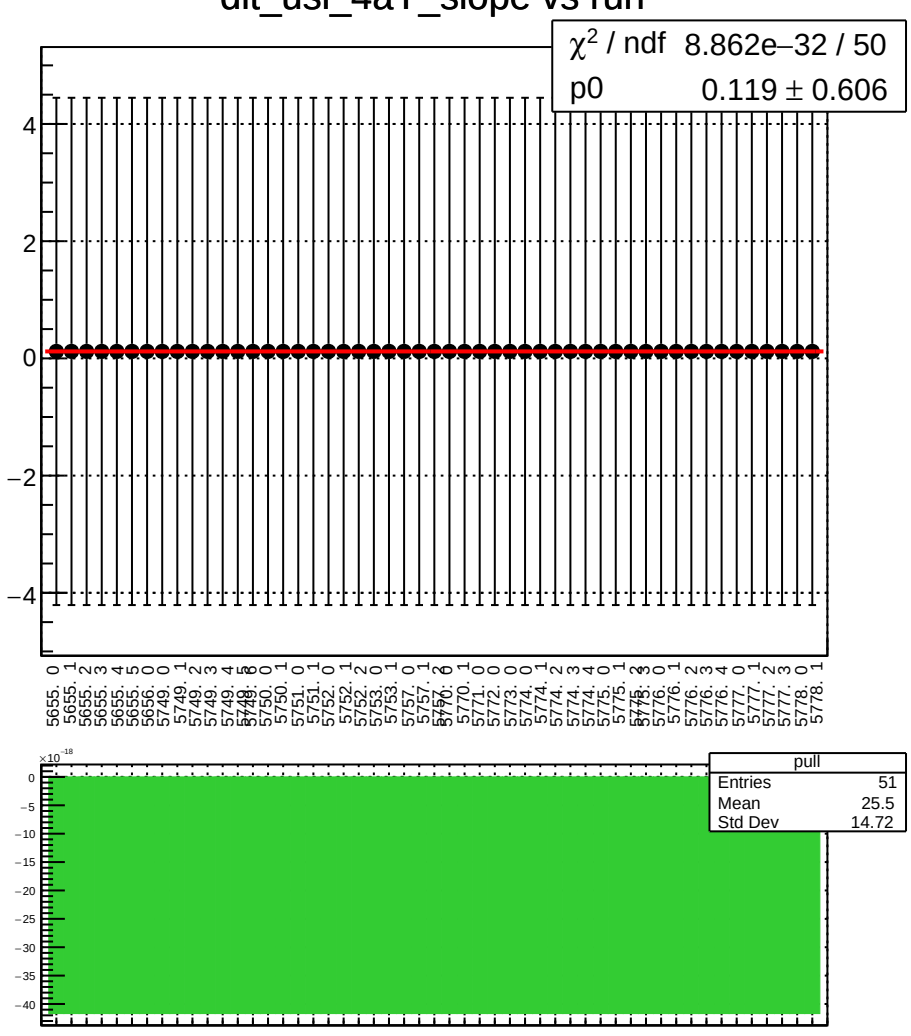

pull1D
Entries 51
Mean 7.562e−15
Std Dev 2.368e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

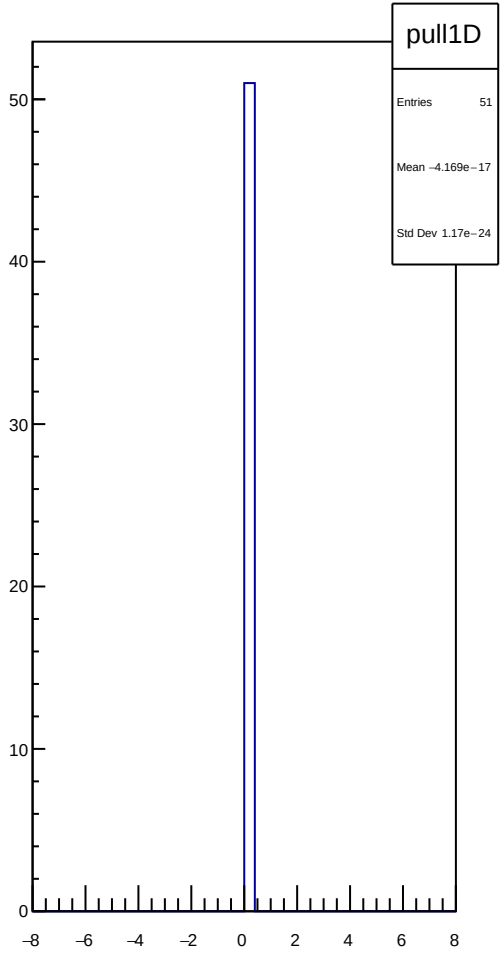

dit_usl_4eX_slope vs run
χ^2 / ndf 3.125e−27 / 50
p0 101.6 ± 2.034
115
110
105
100
95
90
85
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 2
5770. 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

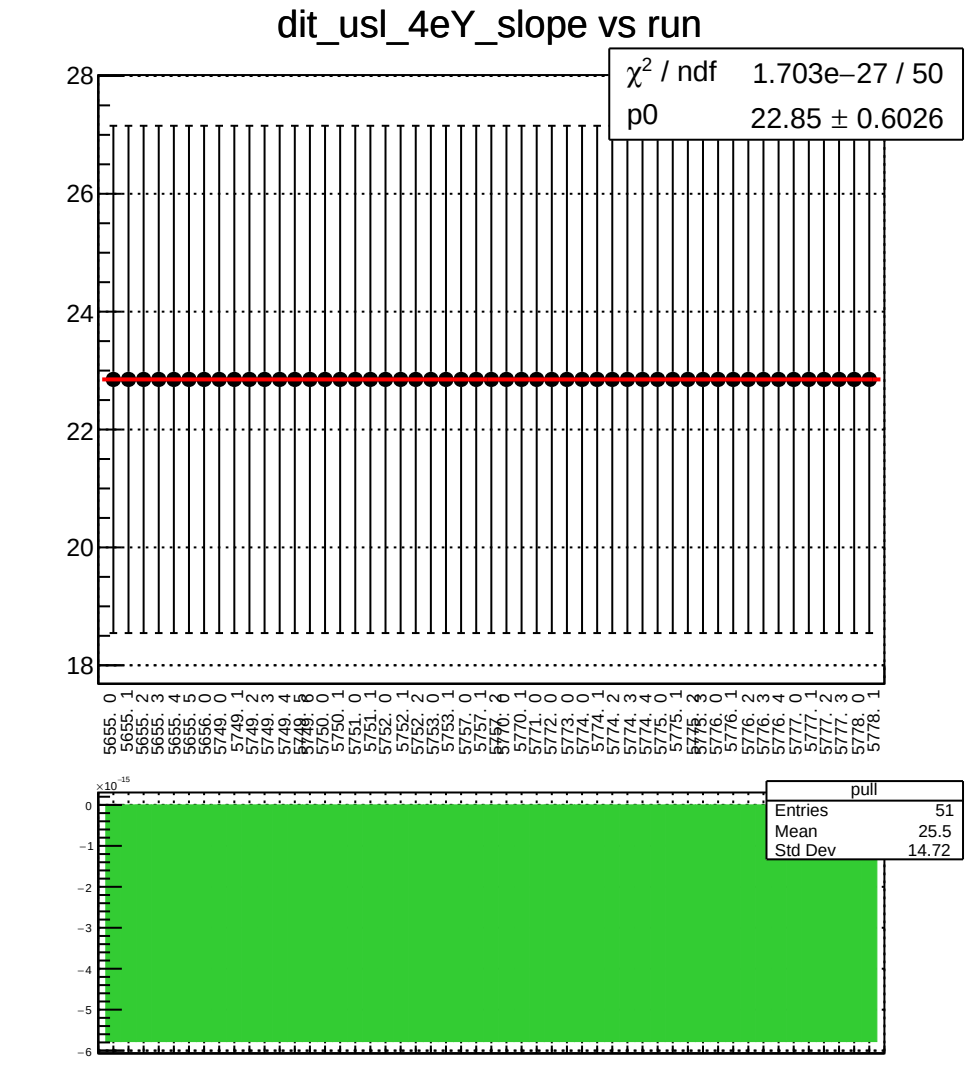

pull1D
Entries 51
Mean −7.828e−15
Std Dev 3.176e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

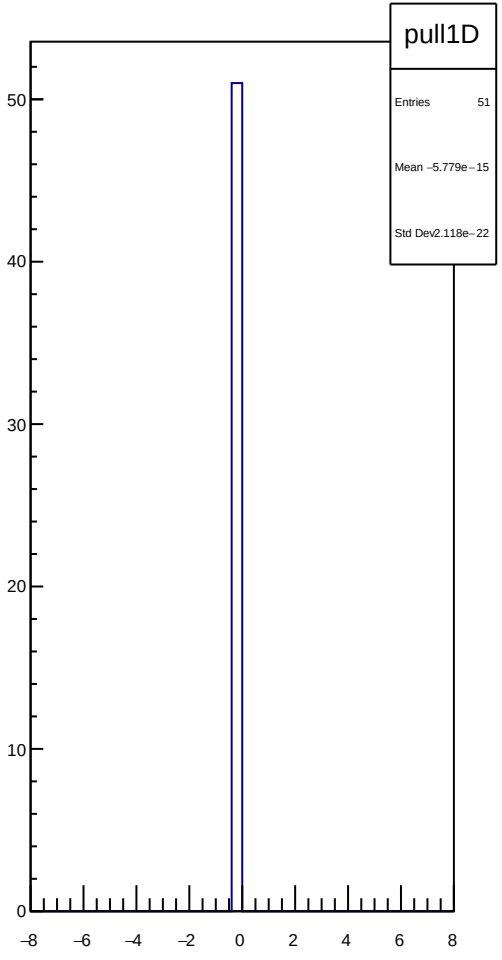

dit_usl_11X12X_slope vs run
χ² / ndf 1.993e−26 / 50
p0 −55.53 ± 0.5537
pull
Entries 51
Mean 25.5
Std Dev 14.72

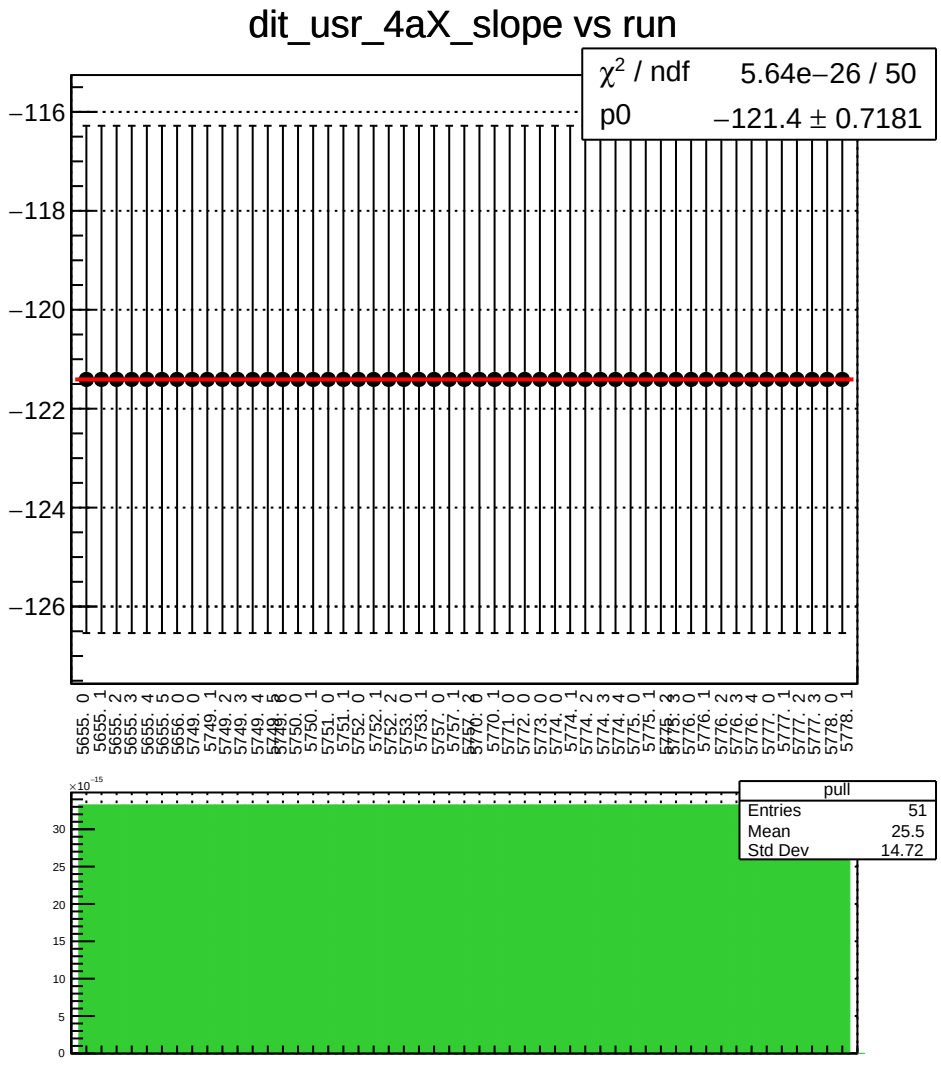

pull1D
Entries 51
Mean 1.977e−14
Std Dev4.735e−22

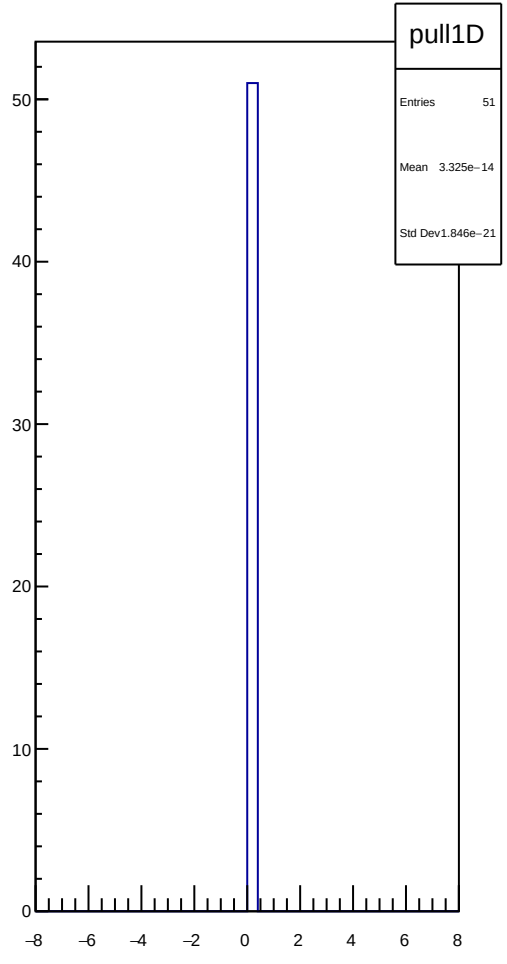

dit_usl_4aY_slope vs run
χ² / ndf 8.862e−32 / 50
p0 0.119 ± 0.606
pull
Entries 51
Mean 25.5
Std Dev 14.72

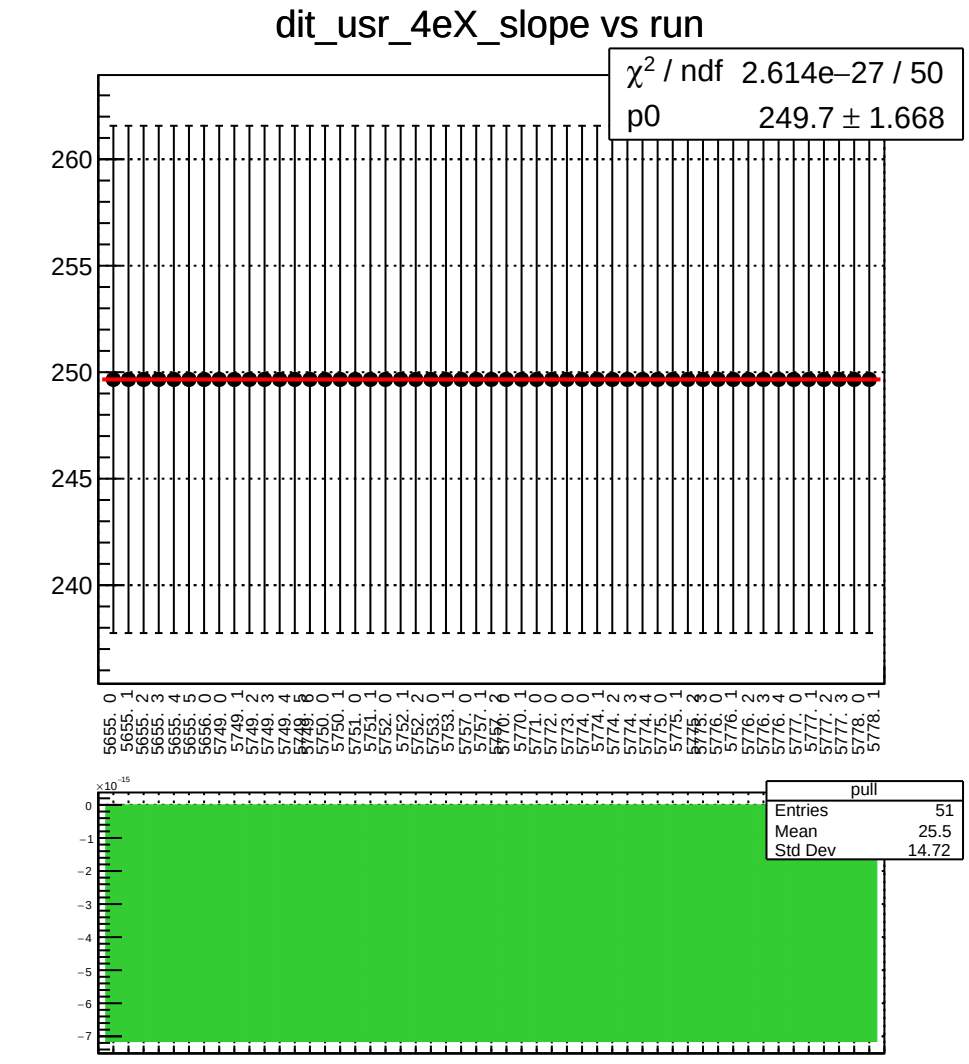

pull1D
Entries 51
Mean −4.169e−17
Std Dev 1.17e−24

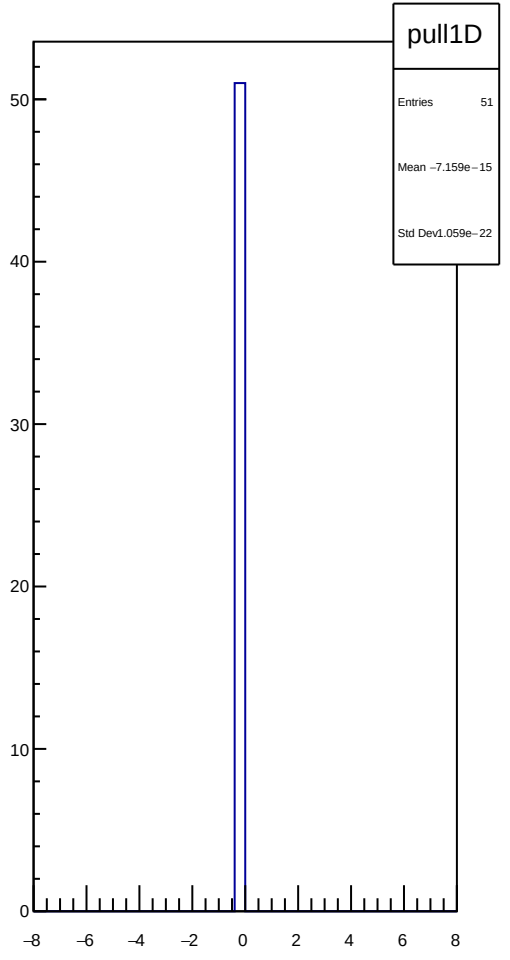

dit_usl_4eY_slope vs run
χ² / ndf 1.703e−27 / 50
p0 22.85 ± 0.6026
pull
Entries 51
Mean 25.5
Std Dev 14.72

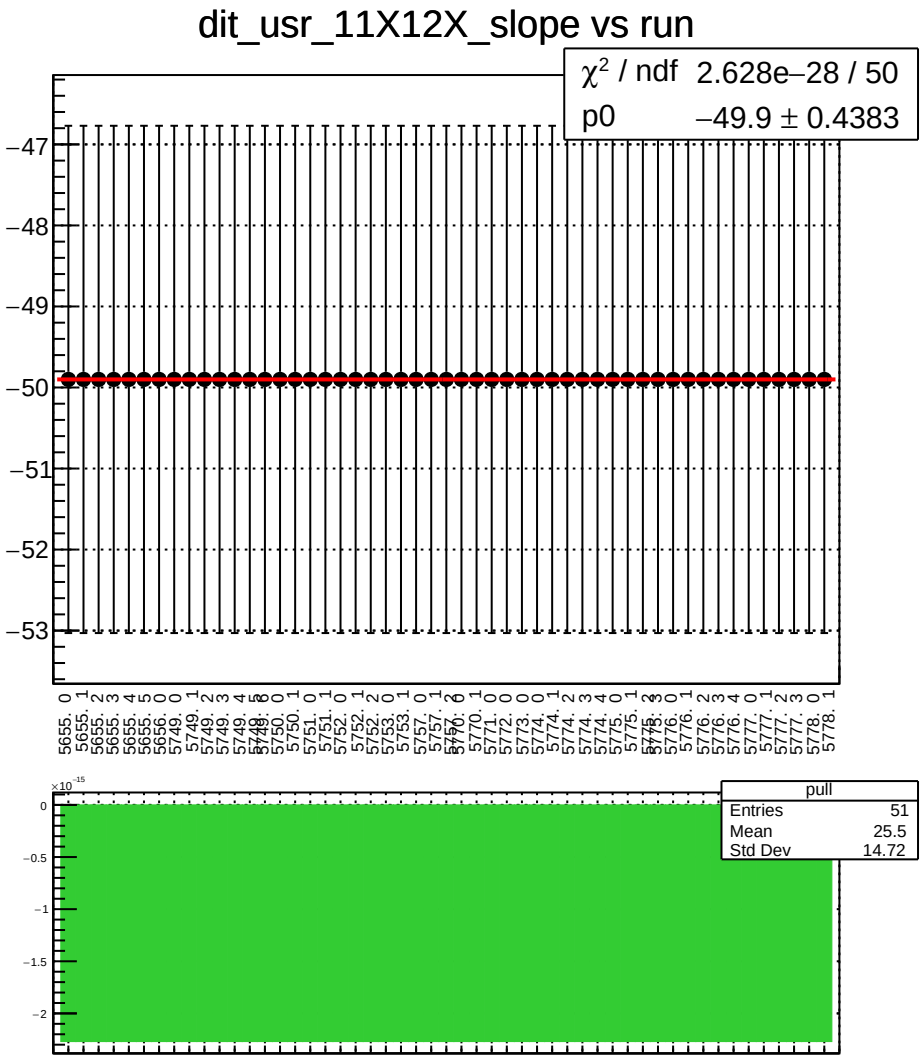

pull1D
Entries 51
Mean −5.779e−15
Std Dev 2.118e−22

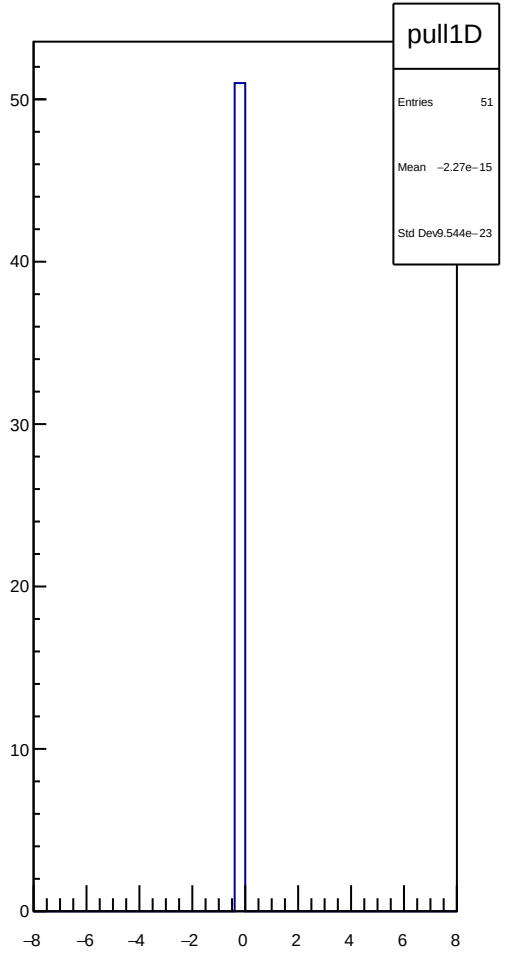

dit_usr_4aX_slope vs run
χ^2 / ndf 5.64e−26 / 50
p0 −121.4 ± 0.7181
−116
−118
−120
−122
−124
−126
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10^-15
30
25
20
15
10
5
0

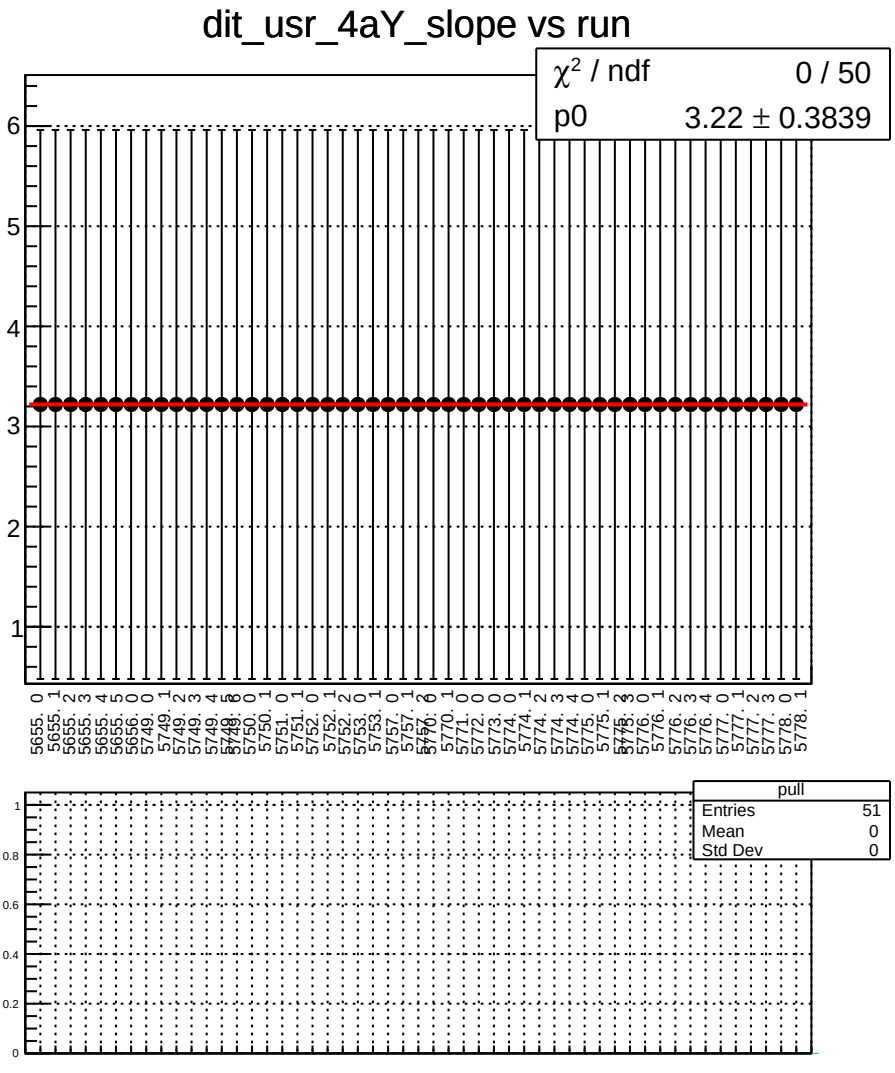

pull1D
Entries 51
Mean 3.325e−14
Std Dev1.846e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

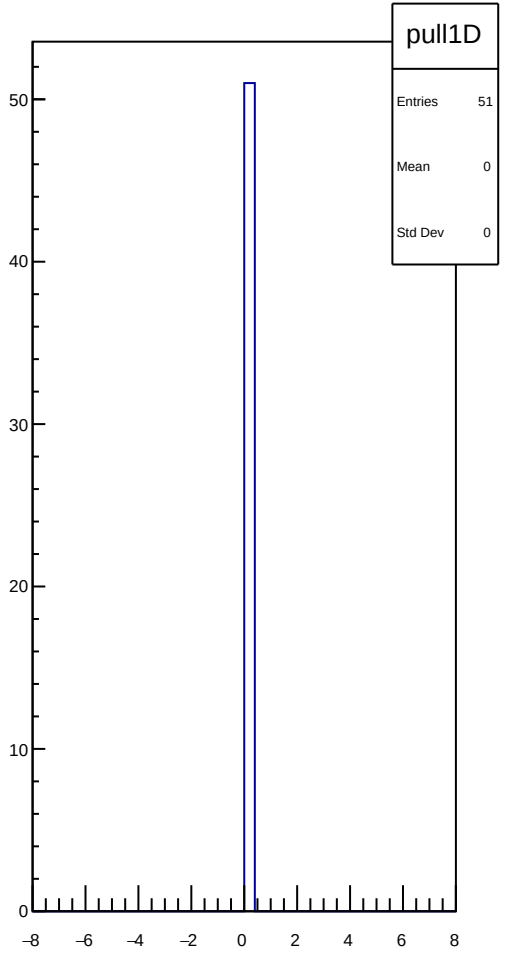

dit_usr_4eX_slope vs run
χ² / ndf 2.614e−27 / 50
p0 249.7 ± 1.668
260
255
250
245
240
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

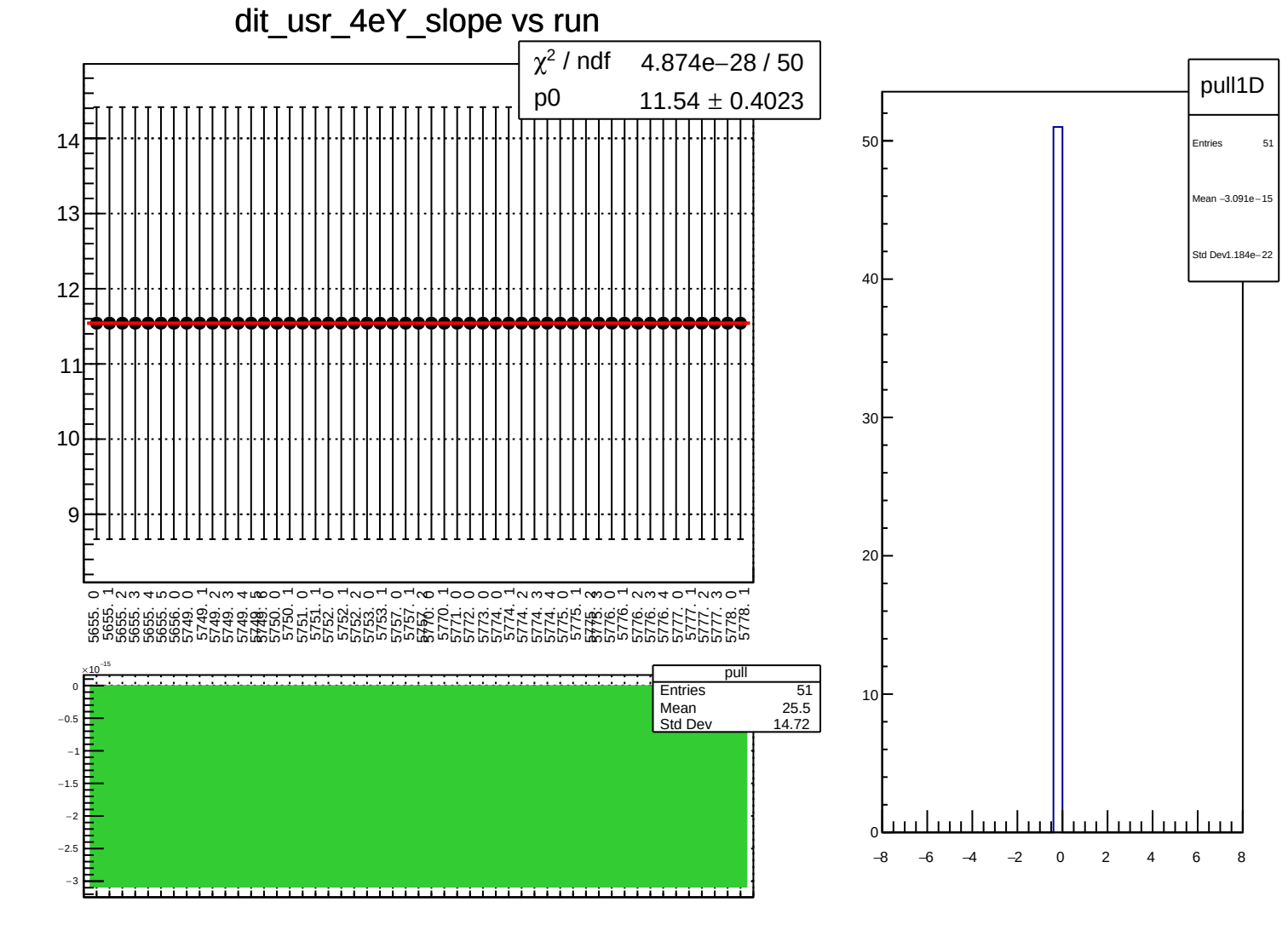

pull1D
Entries 51
Mean −7.159e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

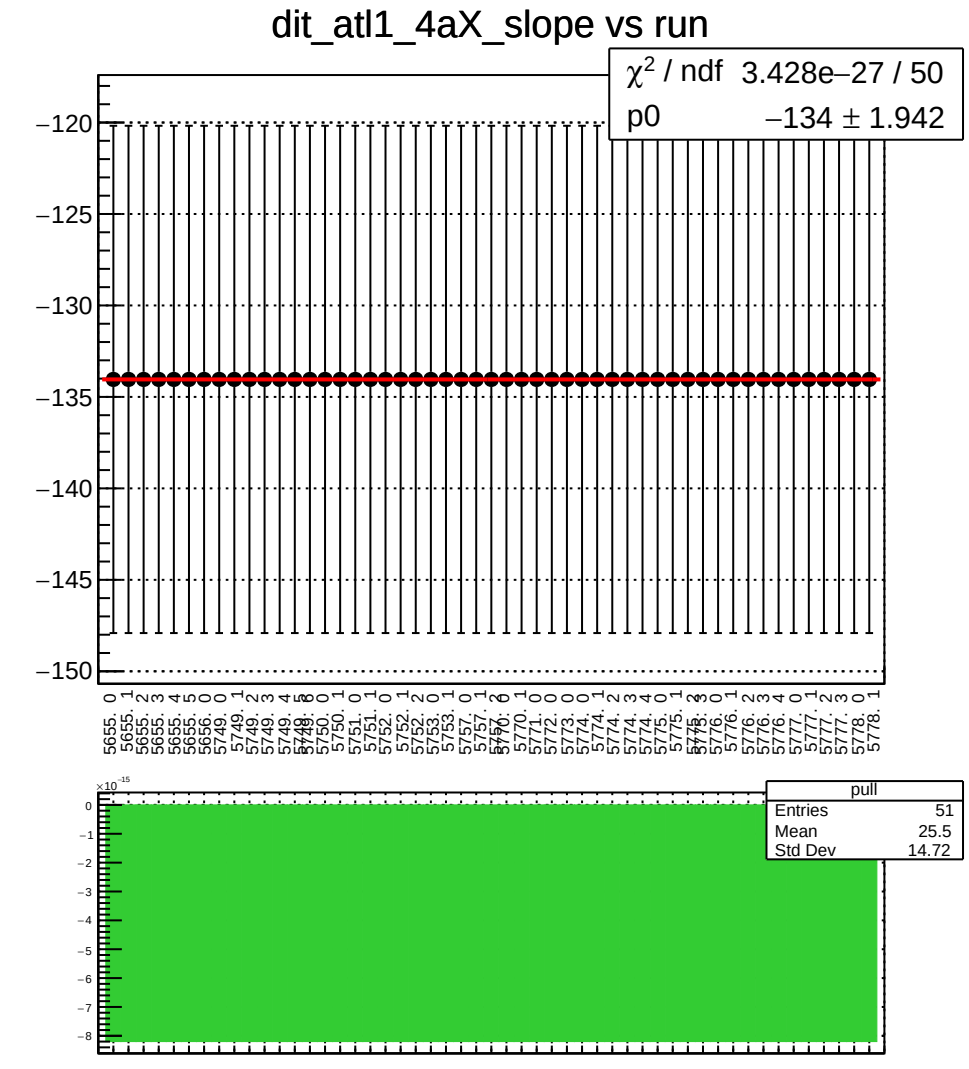

dit_usr_11X12X_slope vs run
χ² / ndf 2.628e−28 / 50
p0 −49.9 ± 0.4383
−47
−48
−49
−50
−51
−52
−53
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

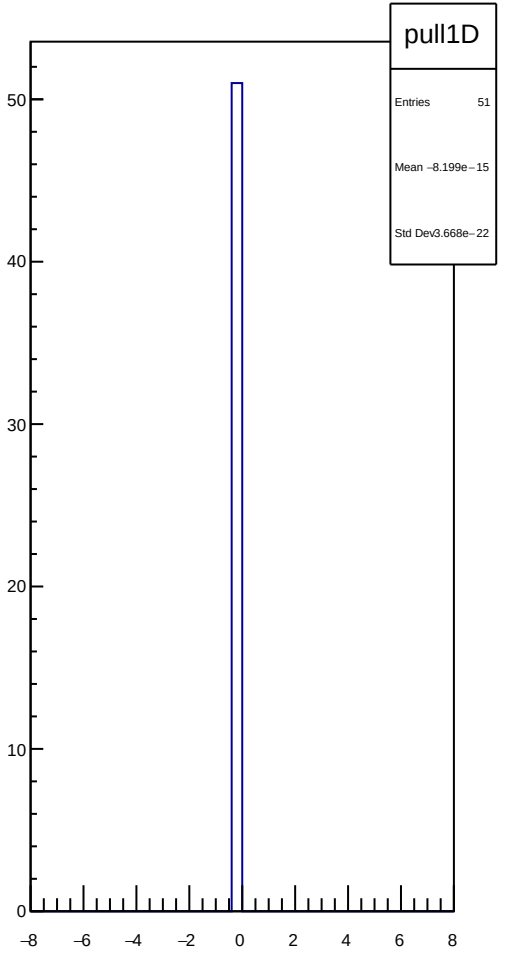

pull1D
Entries 51
Mean −2.27e−15
Std Dev 9.544e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

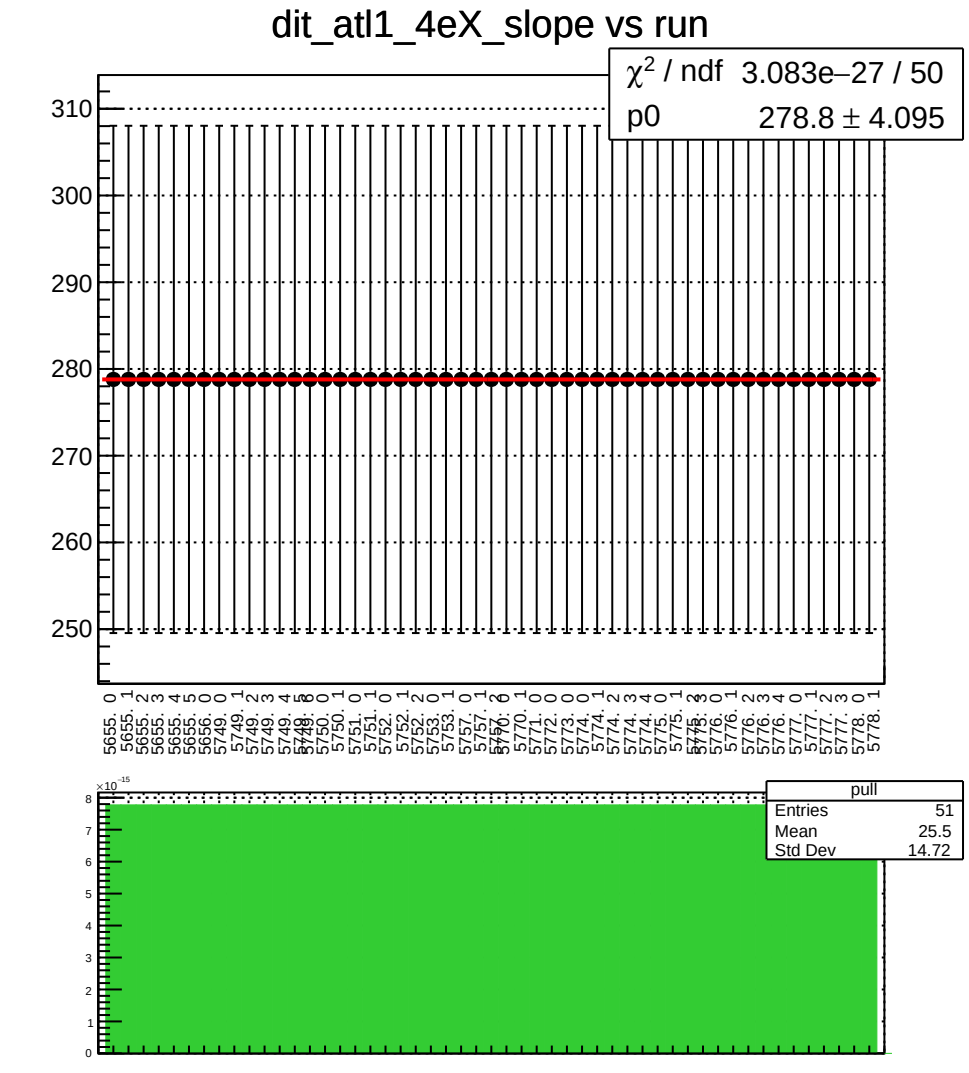

dit_usr_4aY_slope vs run
χ² / ndf 0 / 50
p0 3.22 ± 0.3839
pull
Entries 51
Mean 0
Std Dev 0

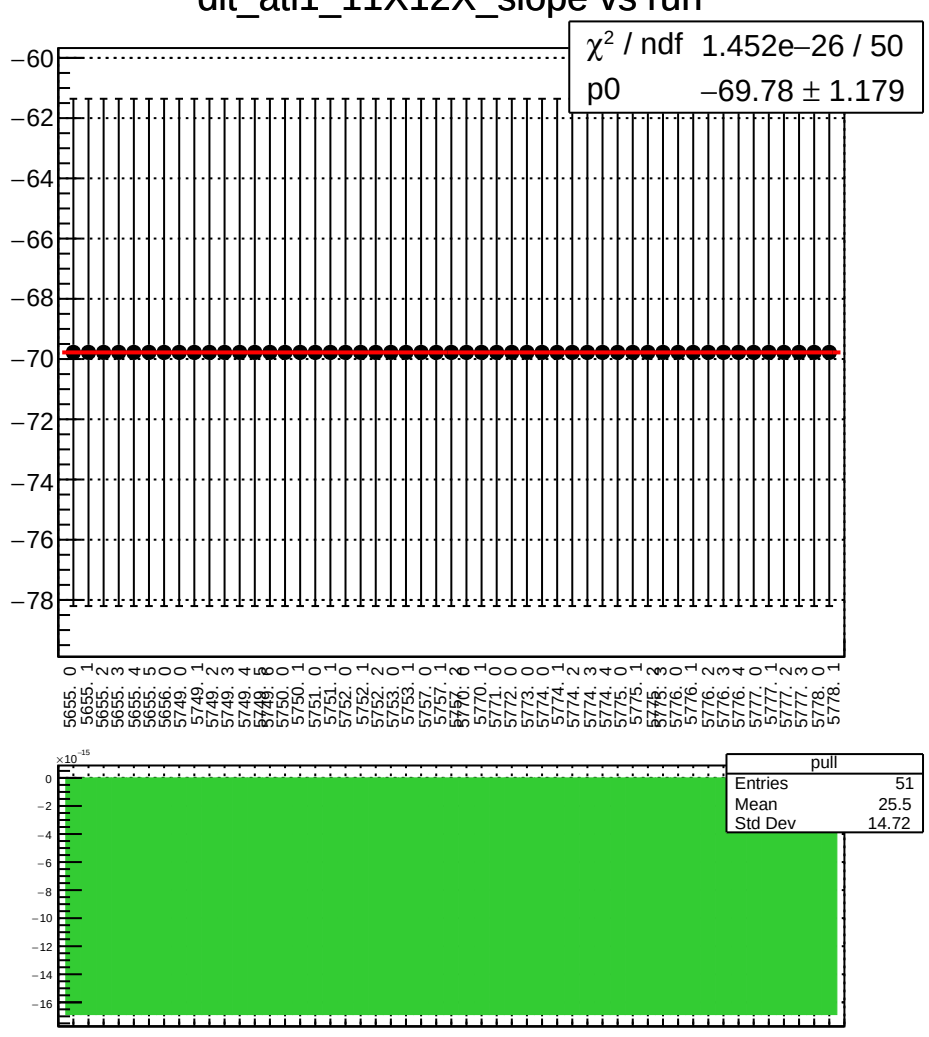

pull1D
Entries 51
Mean 0
Std Dev 0

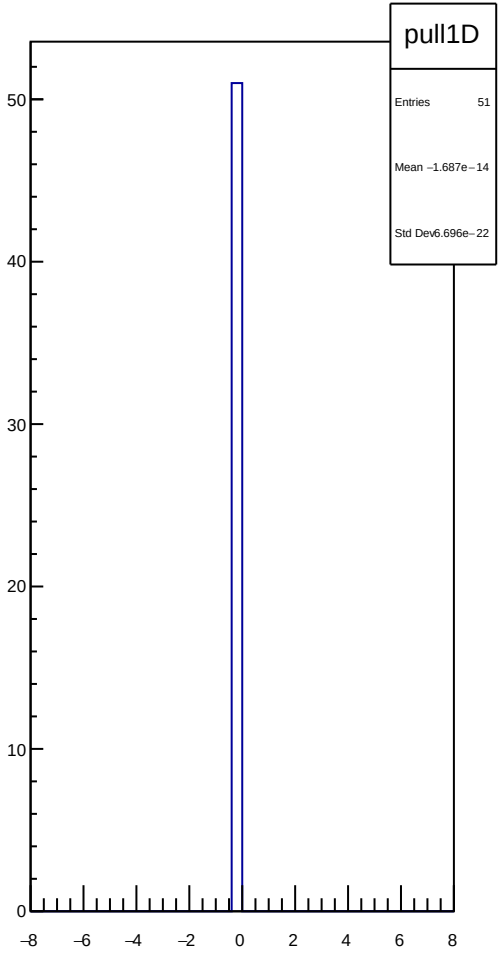

dit_usr_4eY_slope vs run
χ² / ndf 4.874e−28 / 50
p0 11.54 ± 0.4023
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −3.091e−15
Std Dev1.184e−22

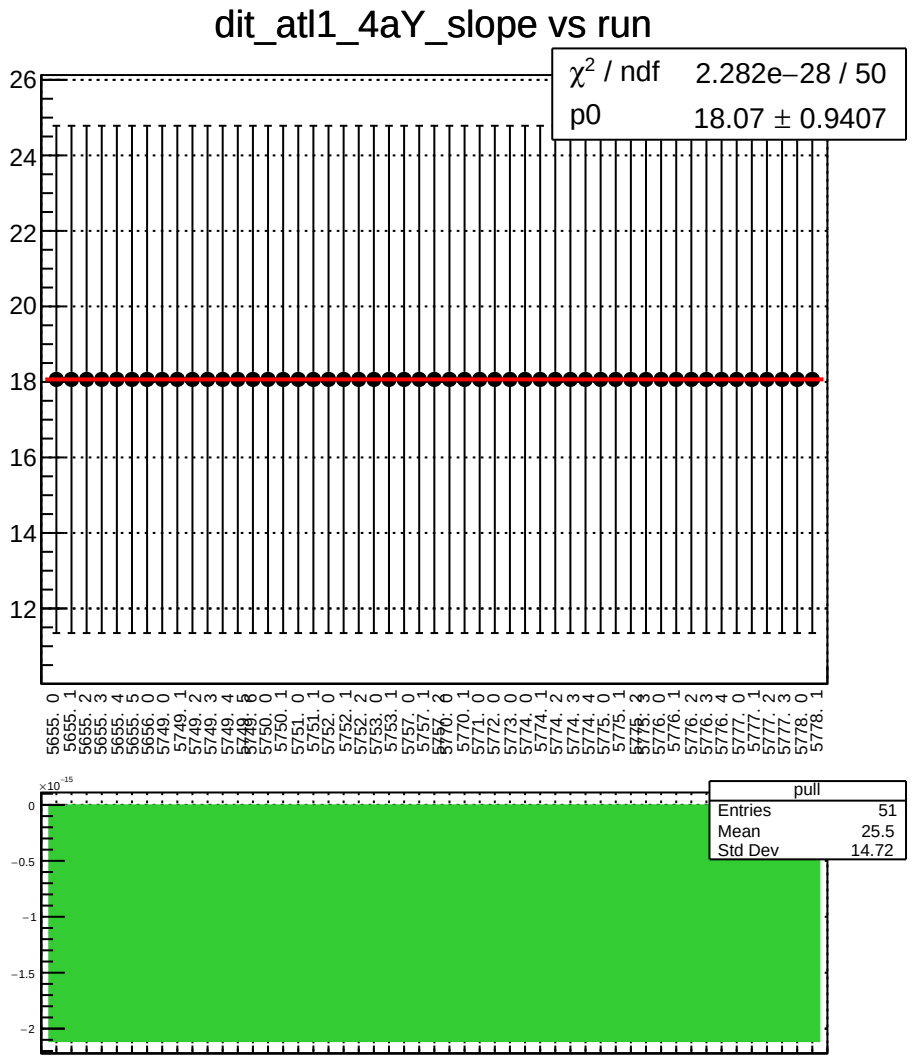

dit_atl1_4aX_slope vs run
χ^2 / ndf 3.428e−27 / 50
p0 −134 ± 1.942
−120
−125
−130
−135
−140
−145
−150
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10^-15

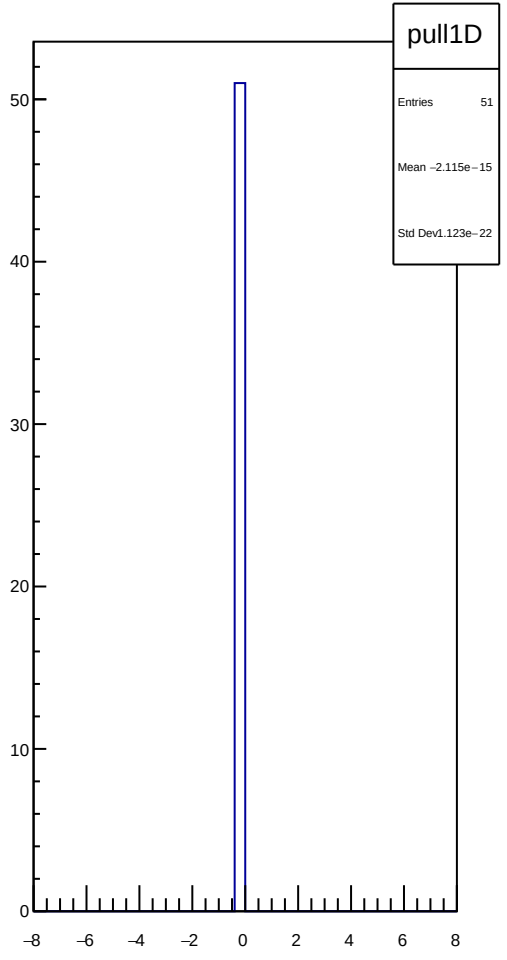

pull1D
Entries 51
Mean −8.199e−15
Std Dev3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

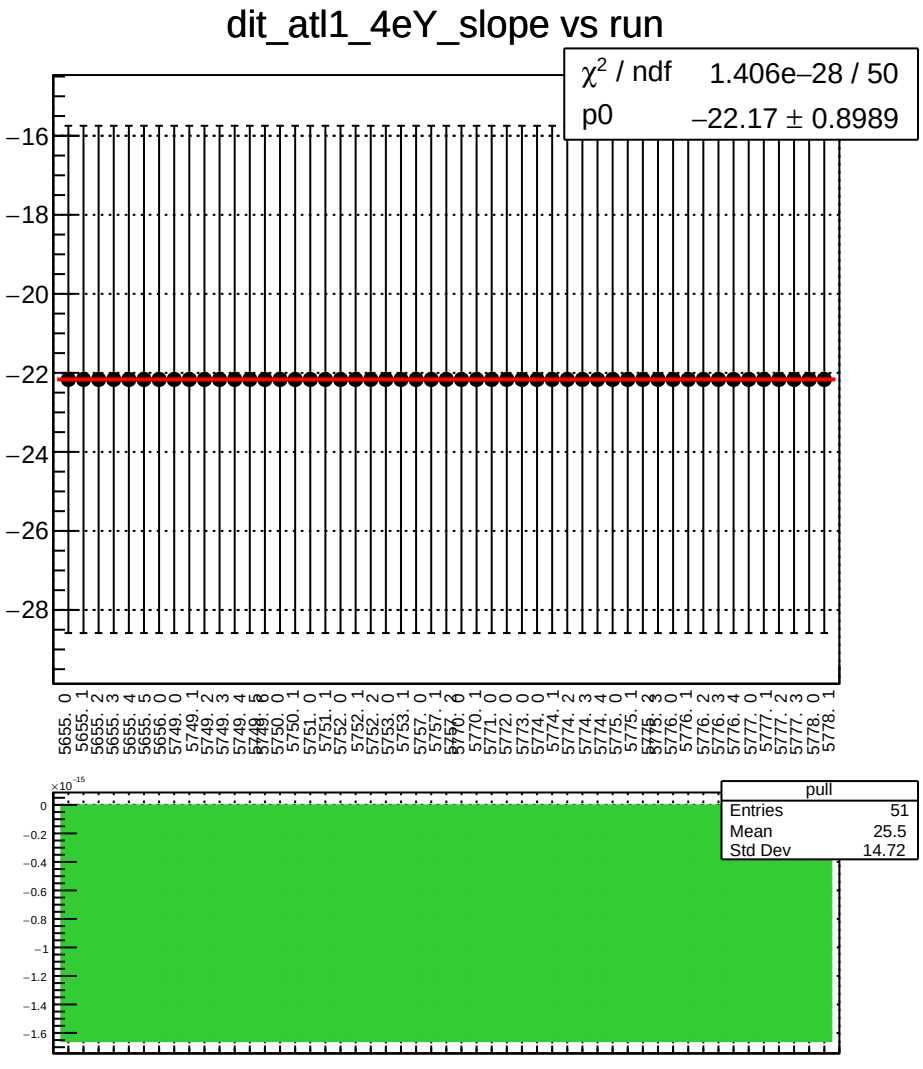

dit_atl1_4eX_slope vs run
χ² / ndf 3.083e−27 / 50
p0 278.8 ± 4.095
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 7.775e−15
Std Dev 3.512e−22

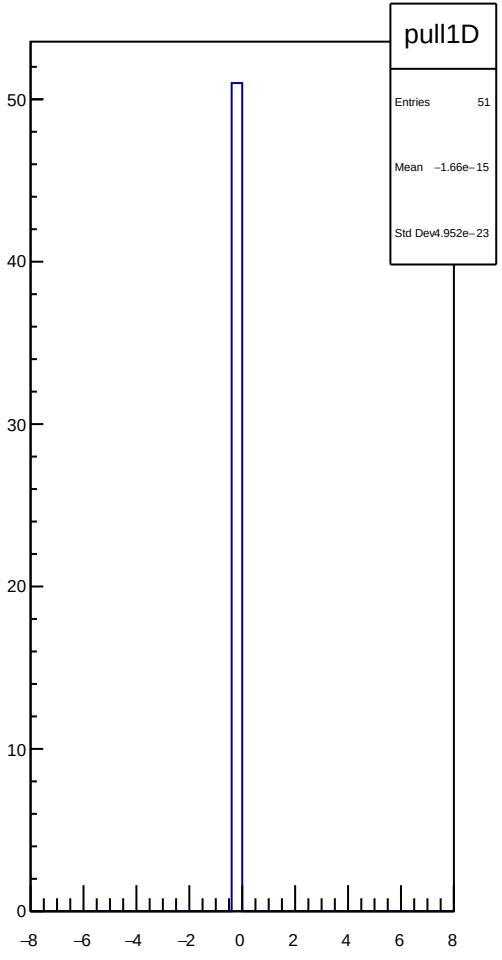

dit_atl1_11X12X_slope vs run
χ² / ndf 1.452e−26 / 50
p0 −69.78 ± 1.179
pull
Entries 51
Mean 25.5
Std Dev 14.72

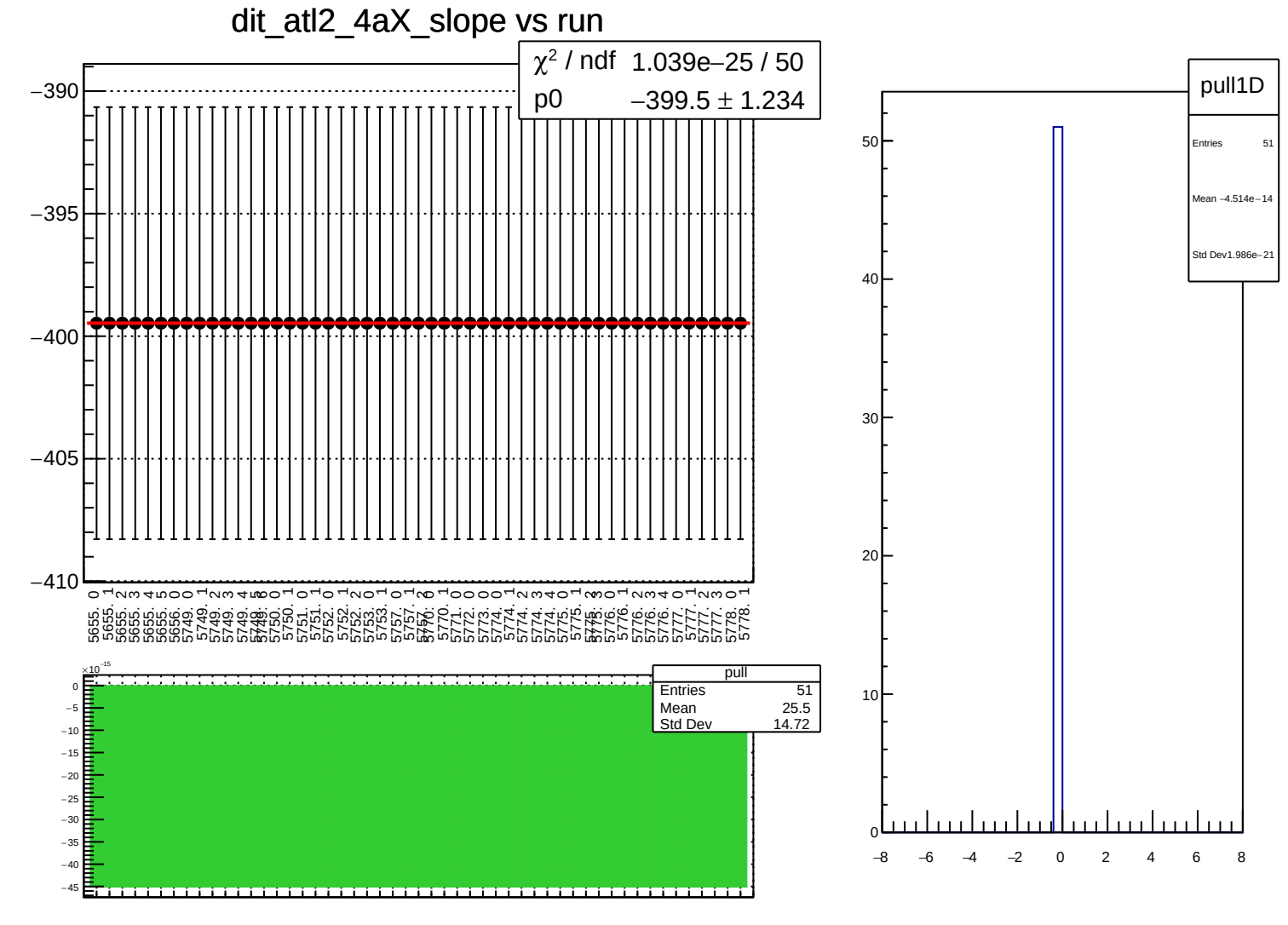

pull1D
Entries 51
Mean −1.687e−14
Std Dev 6.696e−22

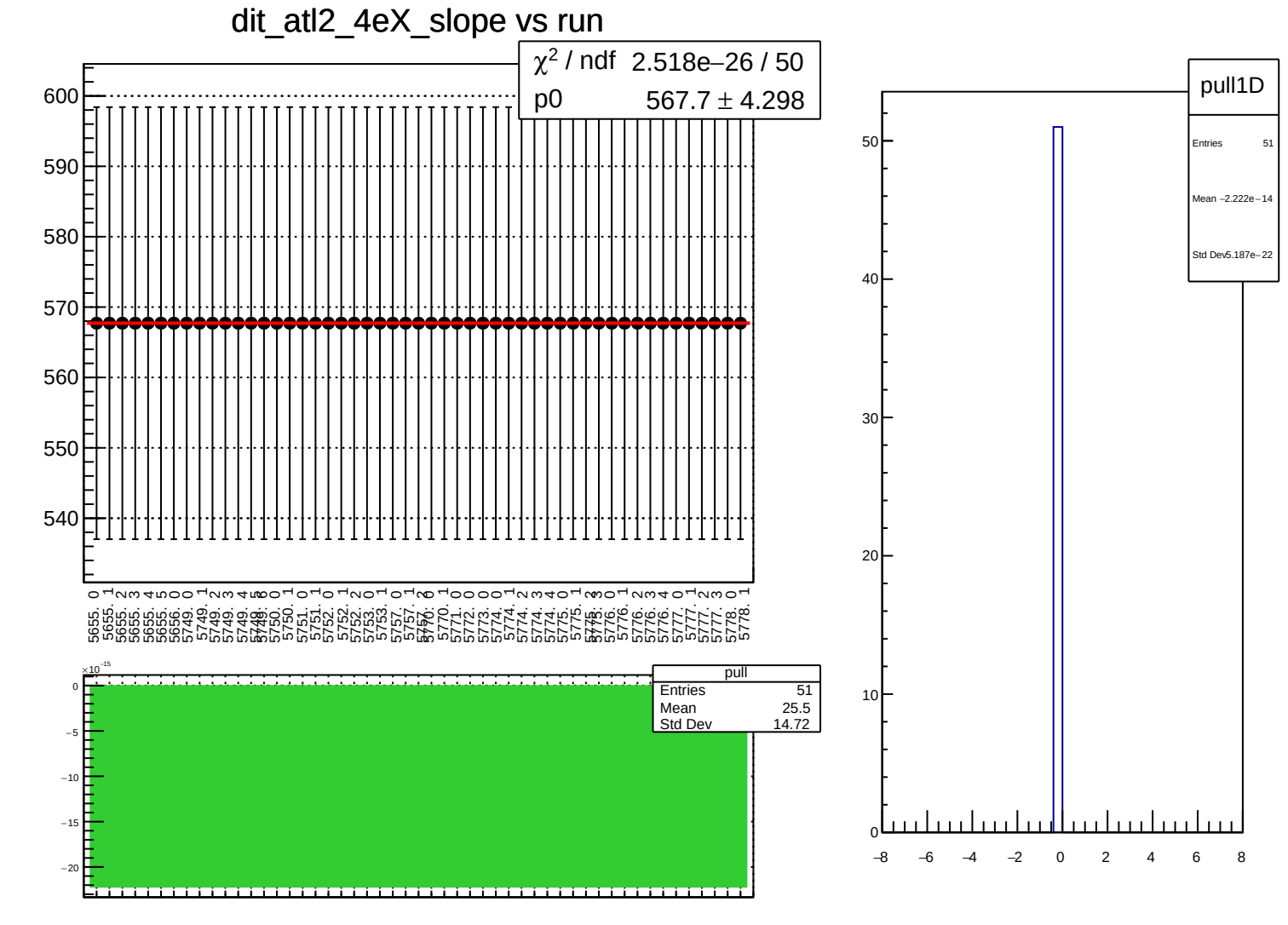

dit_atl1_4aY_slope vs run
χ² / ndf 2.282e−28 / 50
p0 18.07 ± 0.9407
pull
Entries 51
Mean 25.5
Std Dev 14.72

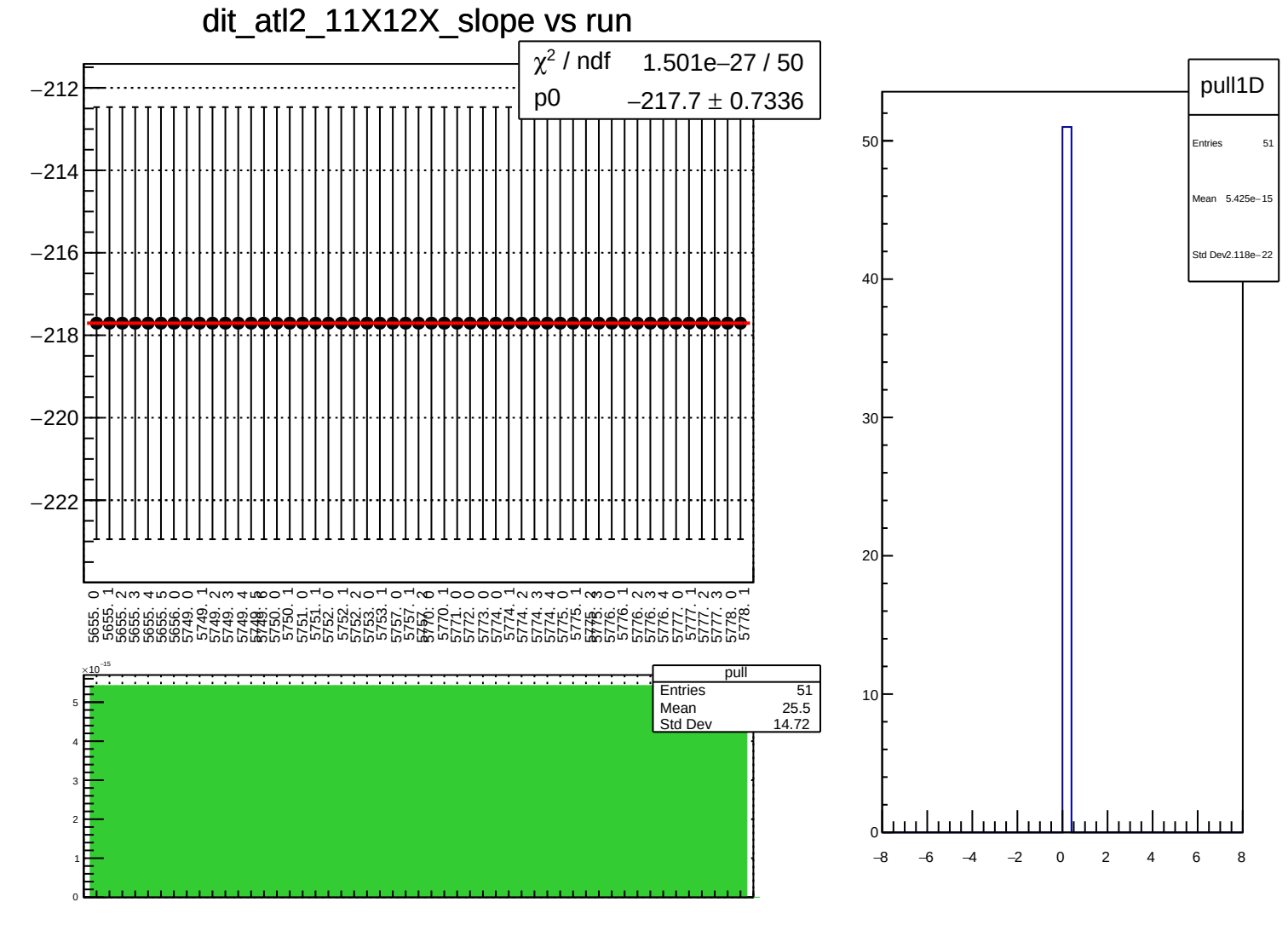

pull1D
Entries 51
Mean −2.115e−15
Std Dev1.123e−22

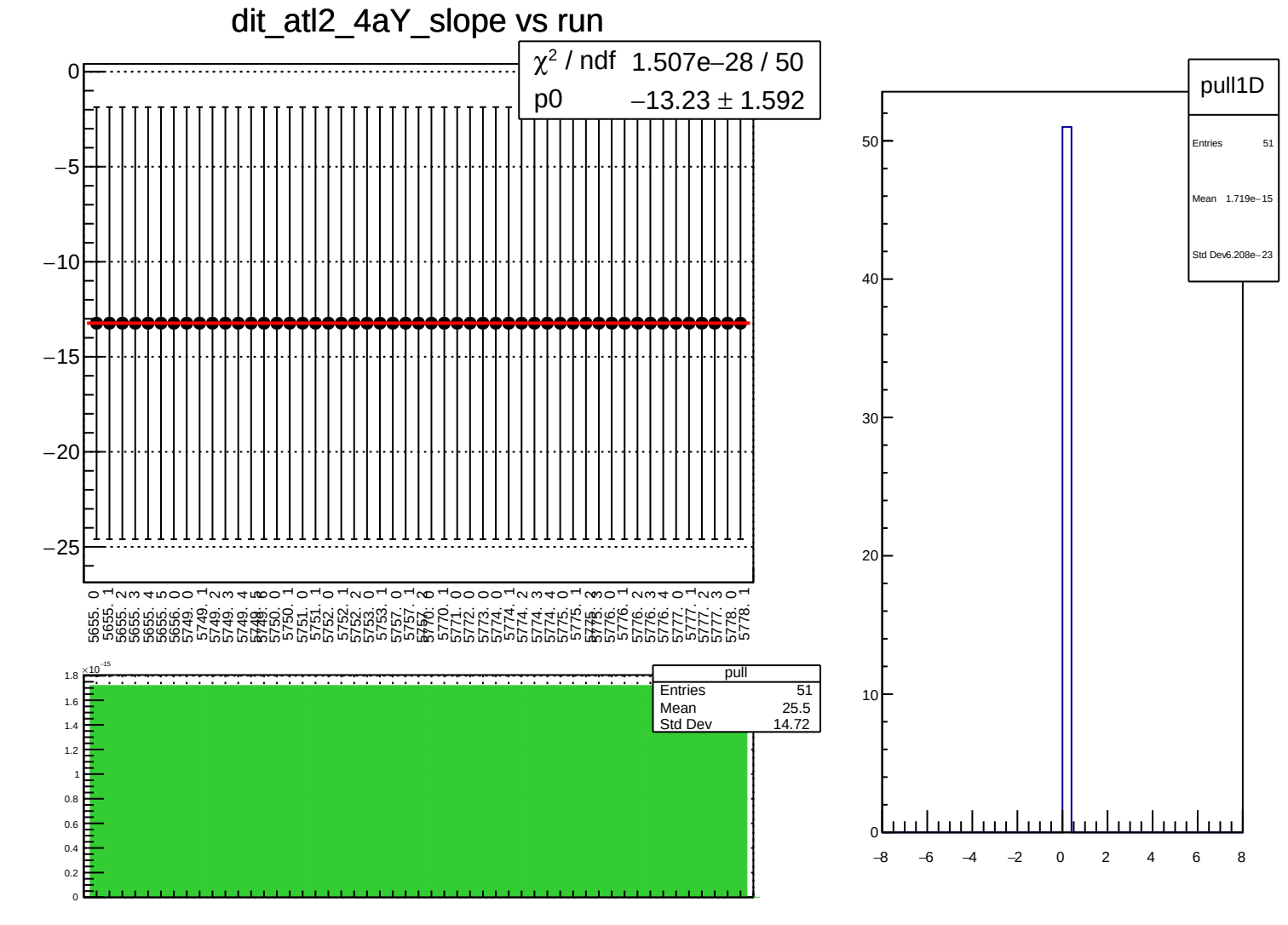

dit_atl1_4eY_slope vs run
χ² / ndf 1.406e−28 / 50
p0 −22.17 ± 0.8989
pull
Entries 51
Mean 25.5
Std Dev 14.72

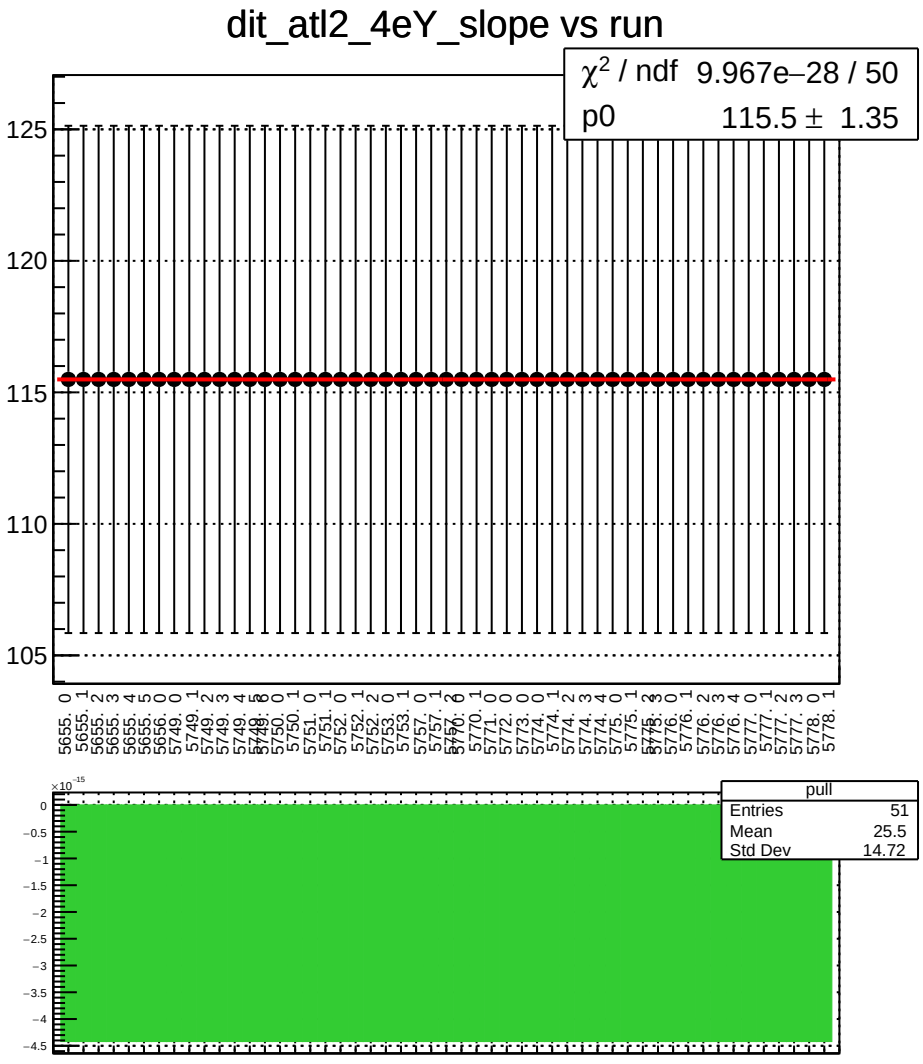

pull1D
Entries 51
Mean −1.66e−15
Std Dev 4.952e−23

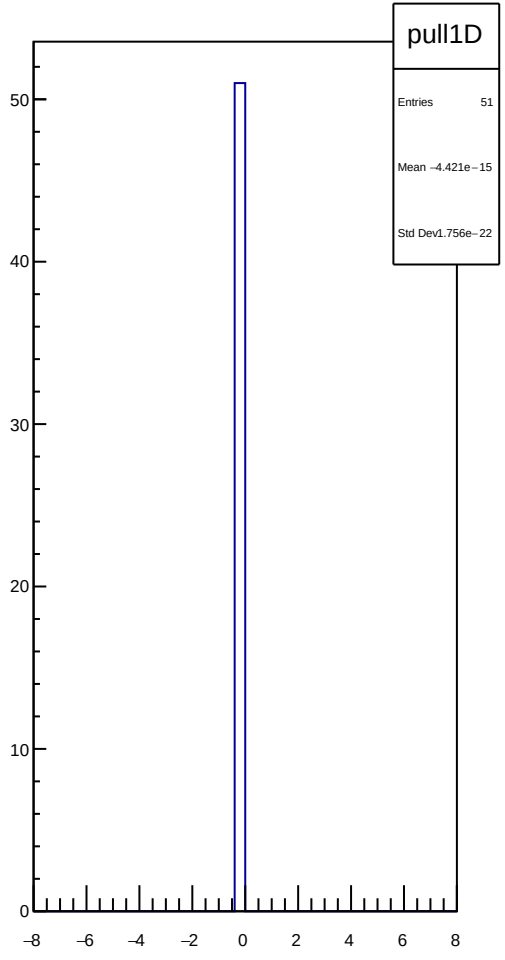

dit_atl2_4aX_slope vs run
χ² / ndf 1.039e−25 / 50
p0 −399.5 ± 1.234
−390
−395
−400
−405
−410
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −4.514e−14
Std Dev1.986e−21

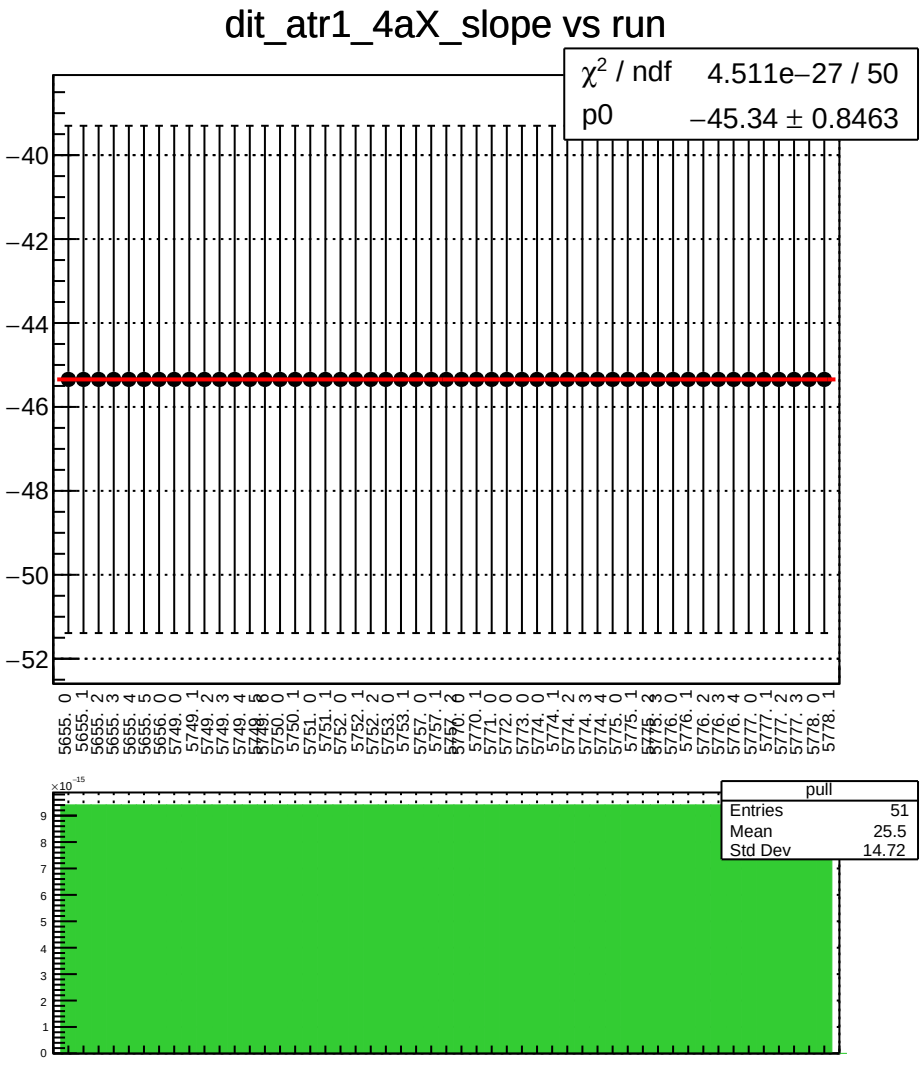

dit_atl2_4eX_slope vs run
χ² / ndf 2.518e−26 / 50
p0 567.7 ± 4.298
600
590
580
570
560
550
540
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

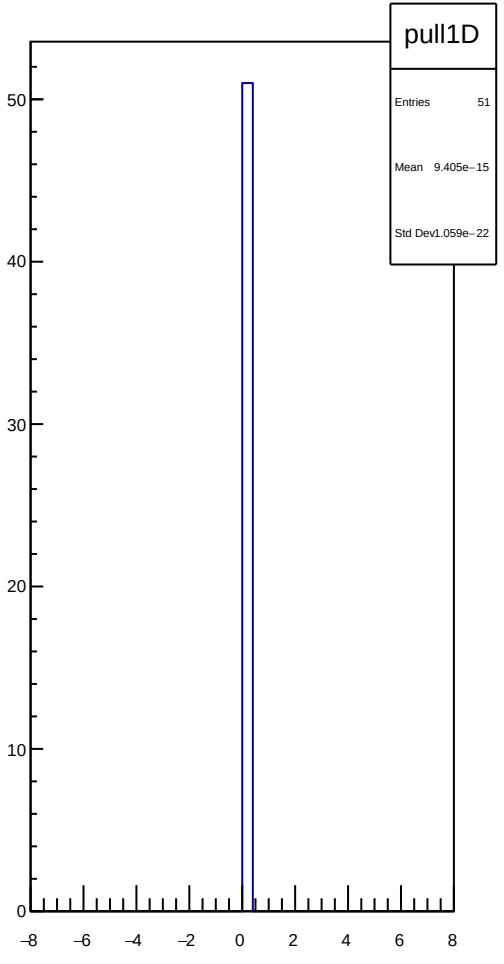

dit_atl2_11X12X_slope vs run
χ² / ndf 1.501e−27 / 50
p0 −217.7 ± 0.7336
−212
−214
−216
−218
−220
−222
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
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

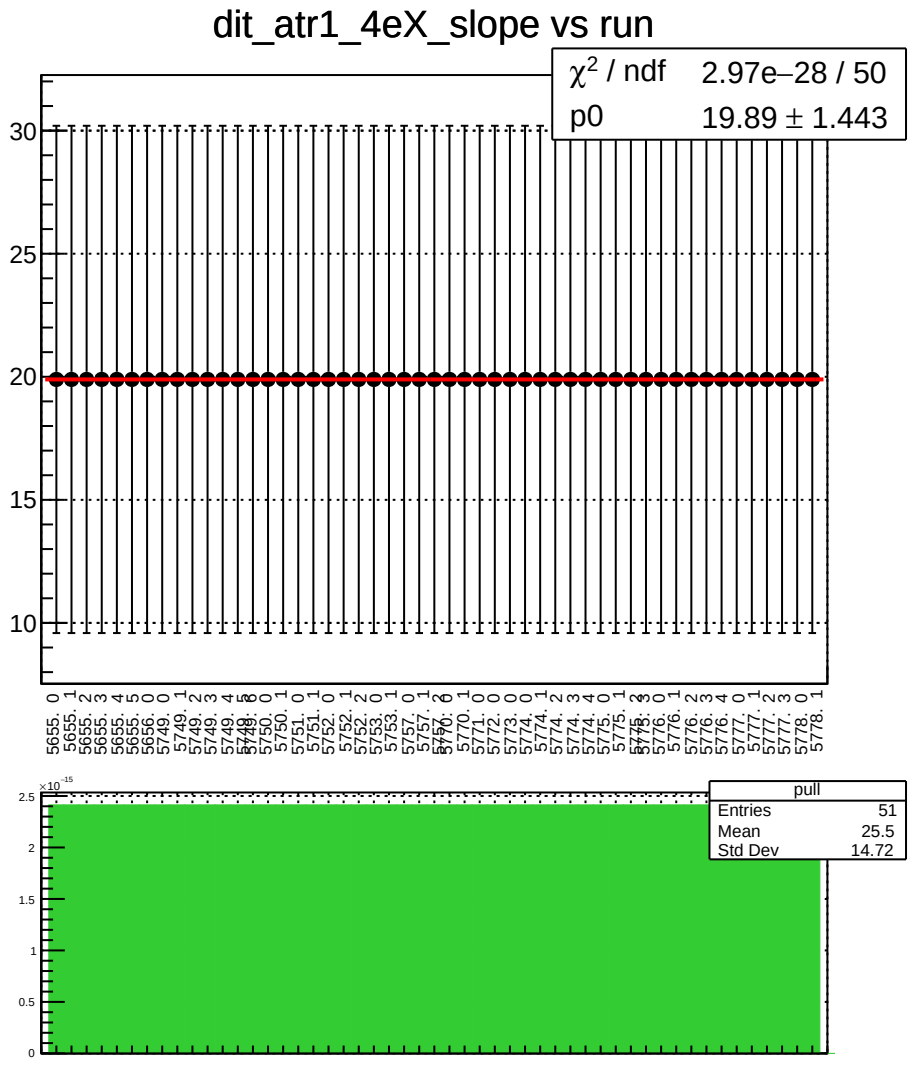

dit_atl2_4aY_slope vs run
χ² / ndf 1.507e−28 / 50
p0 −13.23 ± 1.592
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 1.719e−15
Std Dev 6.208e−23

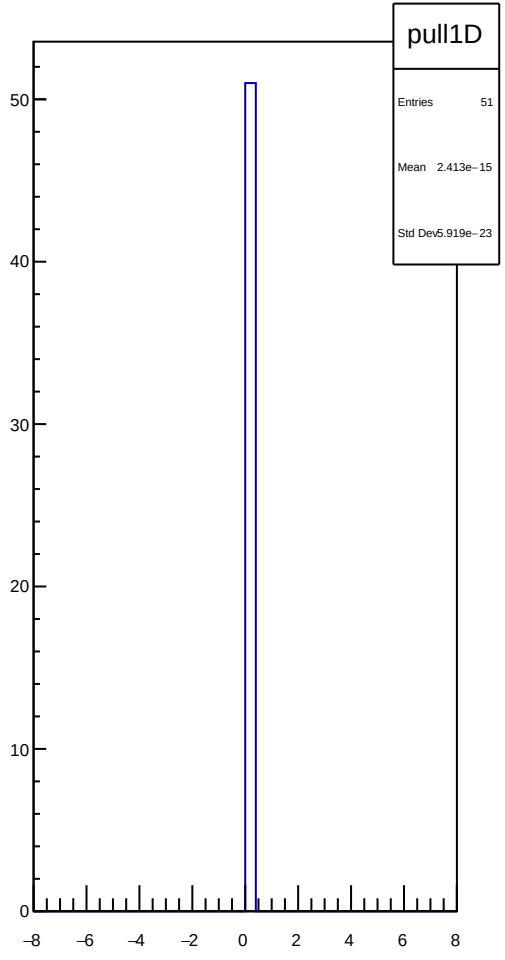

dit_atl2_4eY_slope vs run
χ² / ndf 9.967e−28 / 50
p0 115.5 ± 1.35
125
120
115
110
105
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5

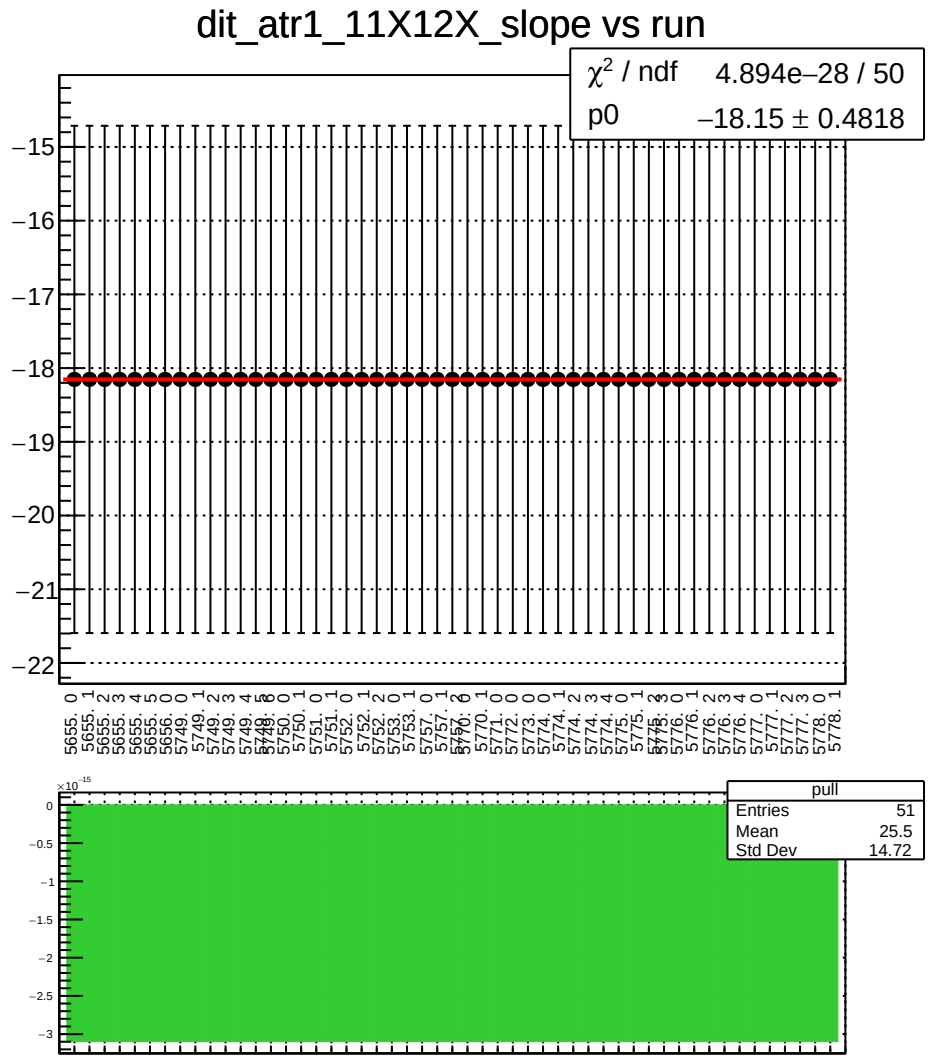

pull1D
Entries 51
Mean −4.421e−15
Std Dev 1.756e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

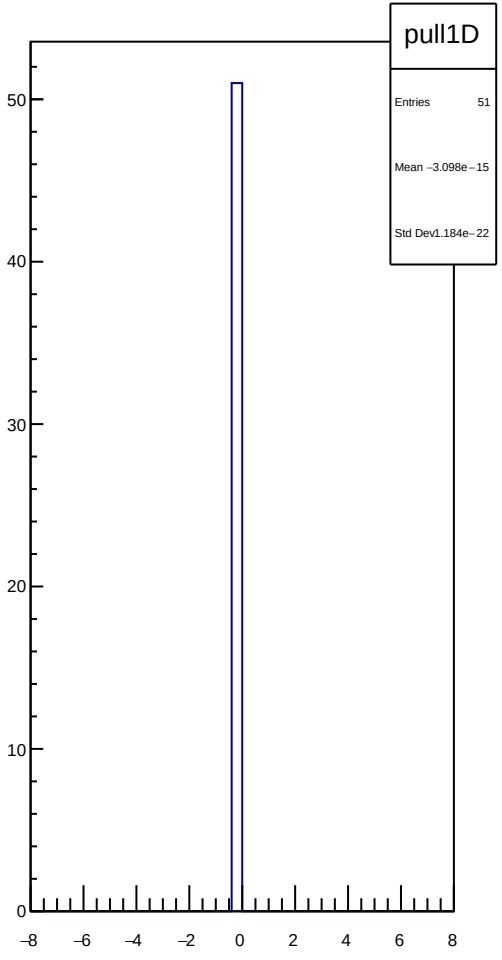

dit_atr1_4aX_slope vs run
χ² / ndf 4.511e−27 / 50
p0 −45.34 ± 0.8463
−40
−42
−44
−46
−48
−50
−52
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

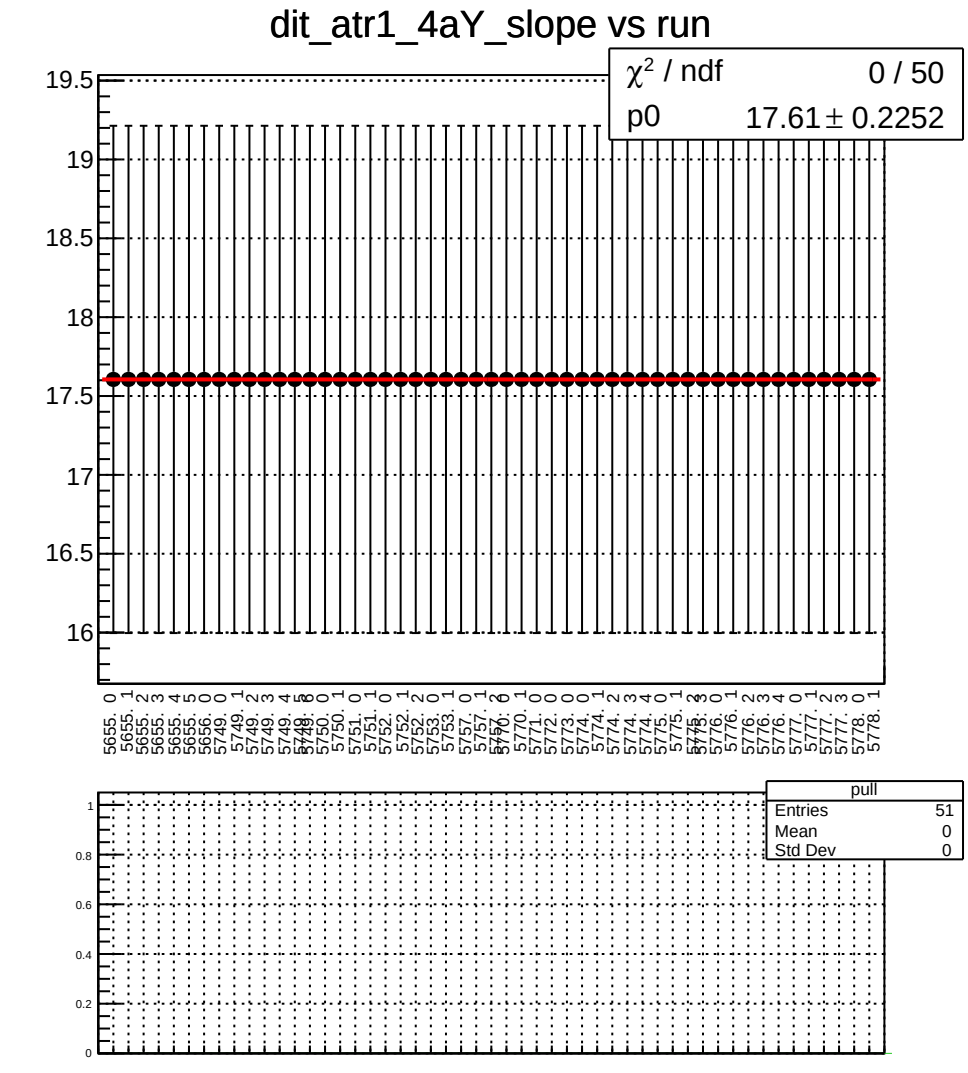

pull1D
Entries 51
Mean 9.405e−15
Std Dev1.059e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

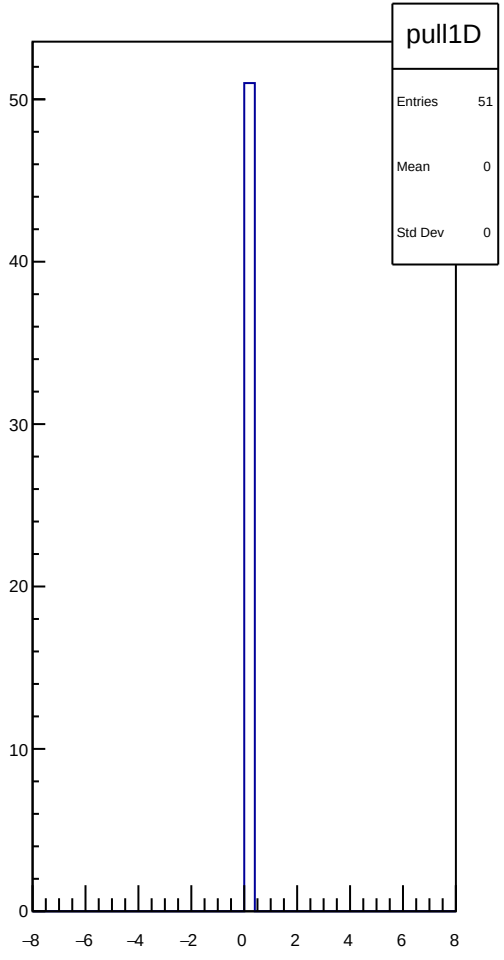

dit_atr1_4eX_slope vs run
χ² / ndf 2.97e−28 / 50
p0 19.89 ± 1.443
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

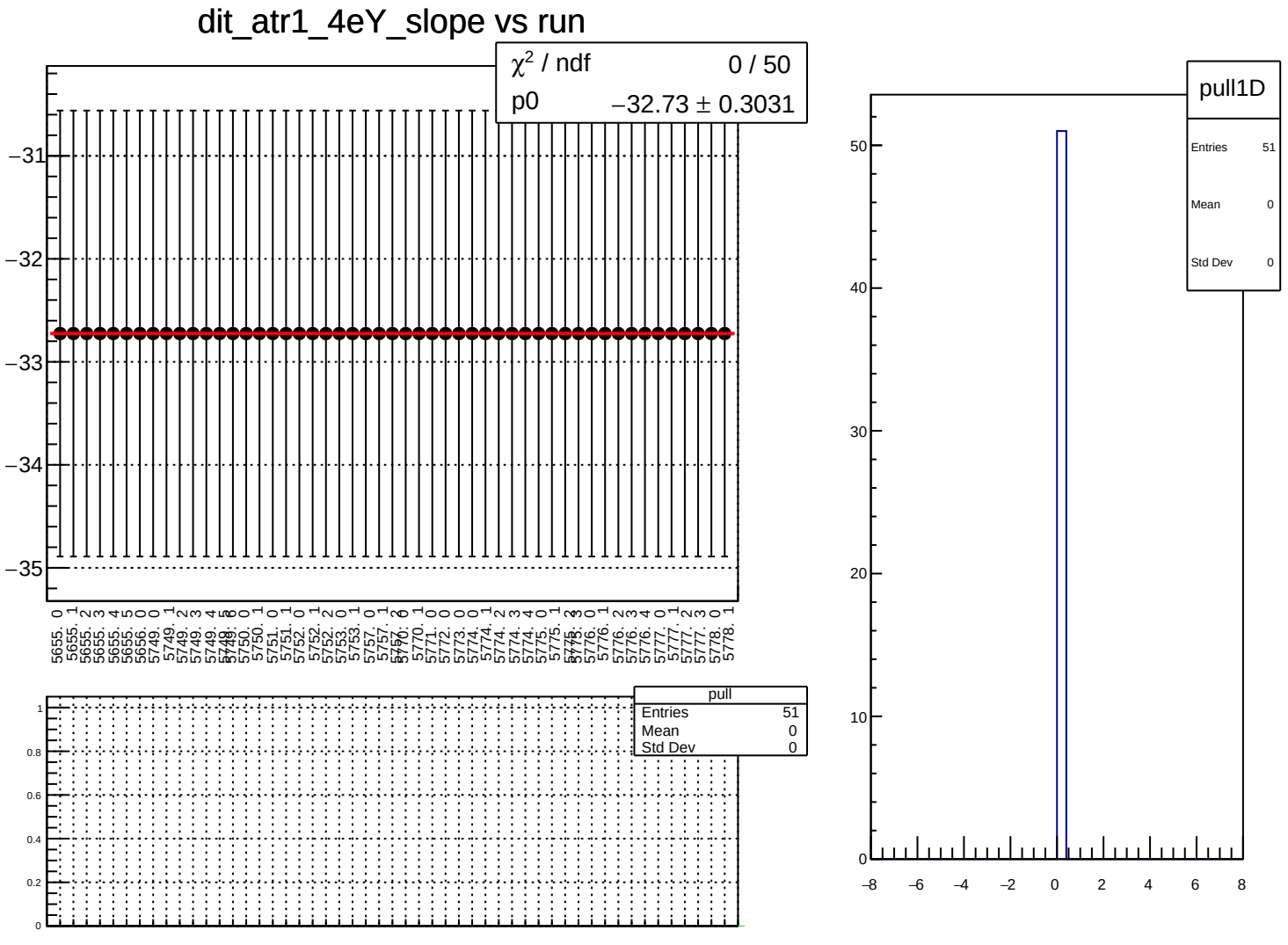

pull1D
Entries 51
Mean 2.413e−15
Std Dev 5.919e−23

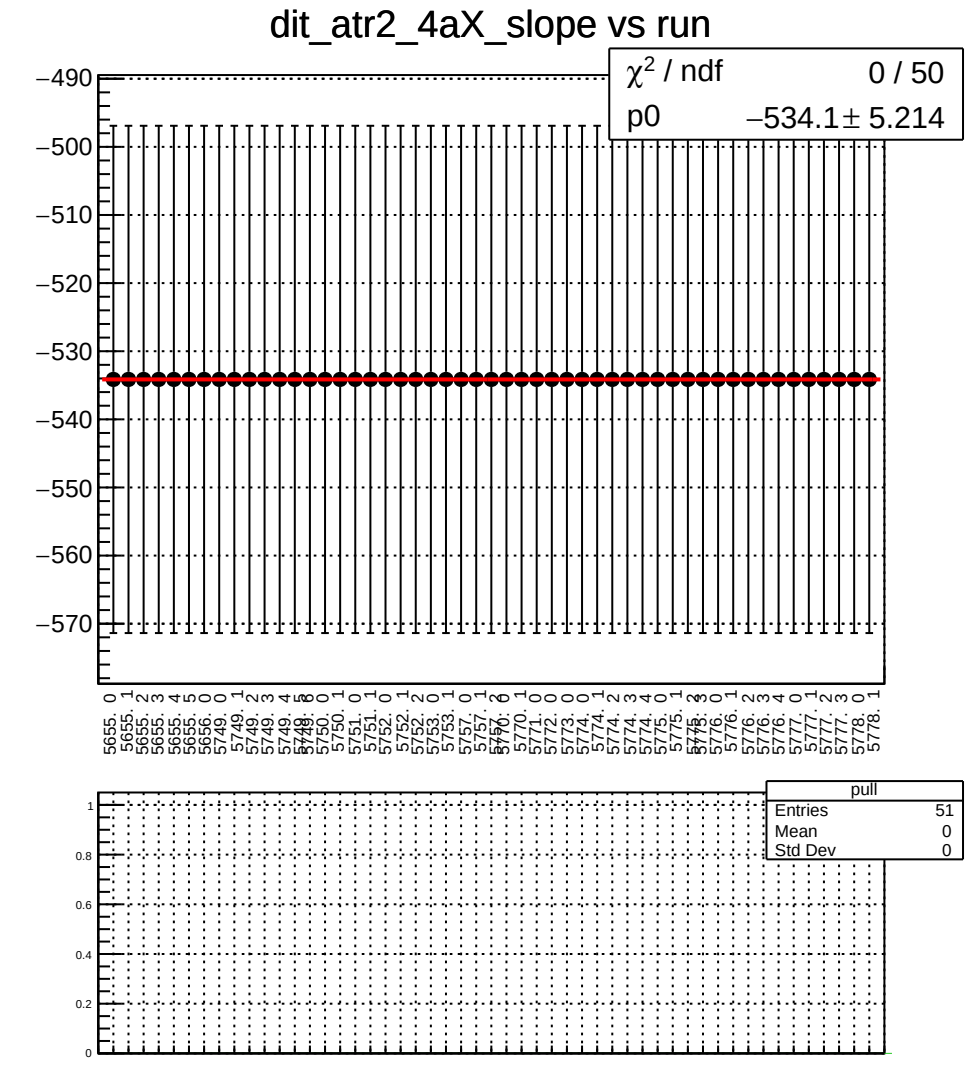

dit_atr1_11X12X_slope vs run
χ² / ndf 4.894e−28 / 50
p0 −18.15 ± 0.4818
pull
Entries 51
Mean 25.5
Std Dev 14.72

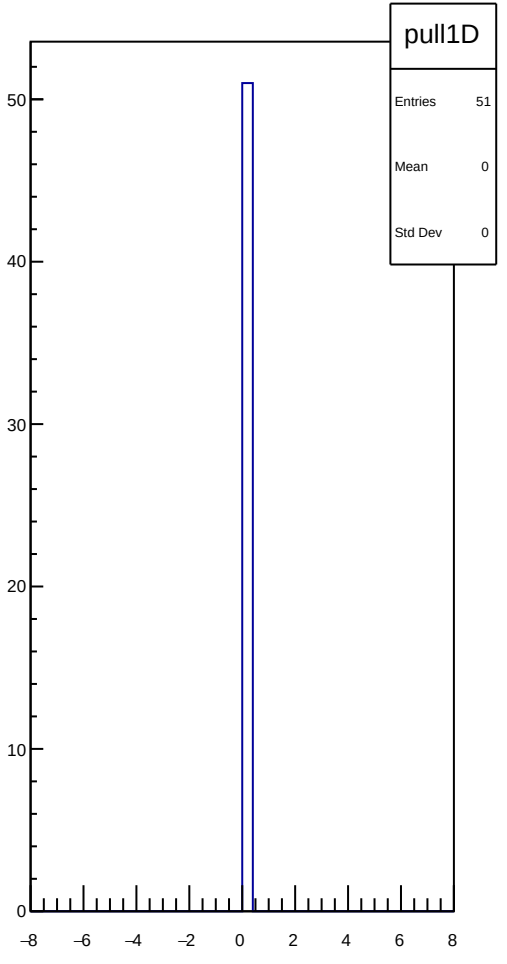

pull1D
Entries 51
Mean −3.098e−15
Std Dev1.184e−22

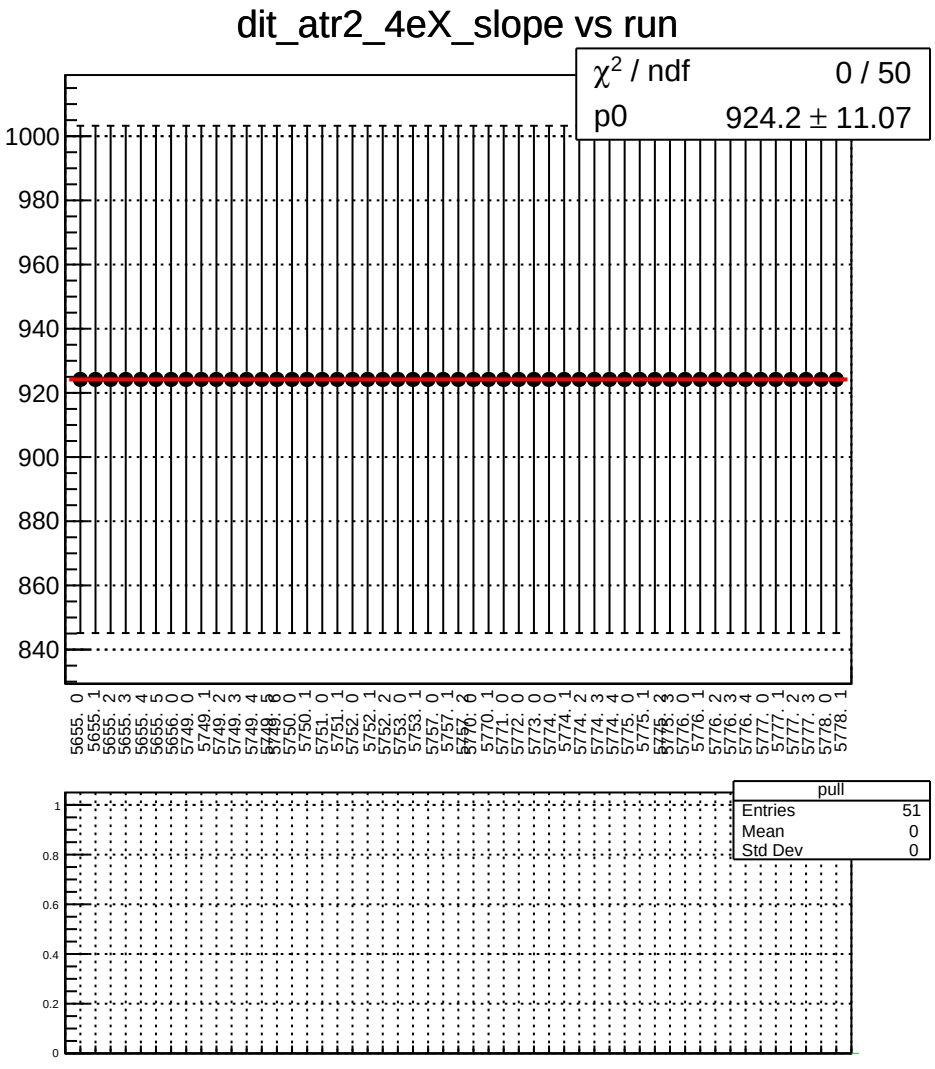

dit_atr1_4aY_slope vs run
χ^2 / ndf 0 / 50
p0 17.61 ± 0.2252
19.5
19
18.5
18
17.5
17
16.5
16
pull
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

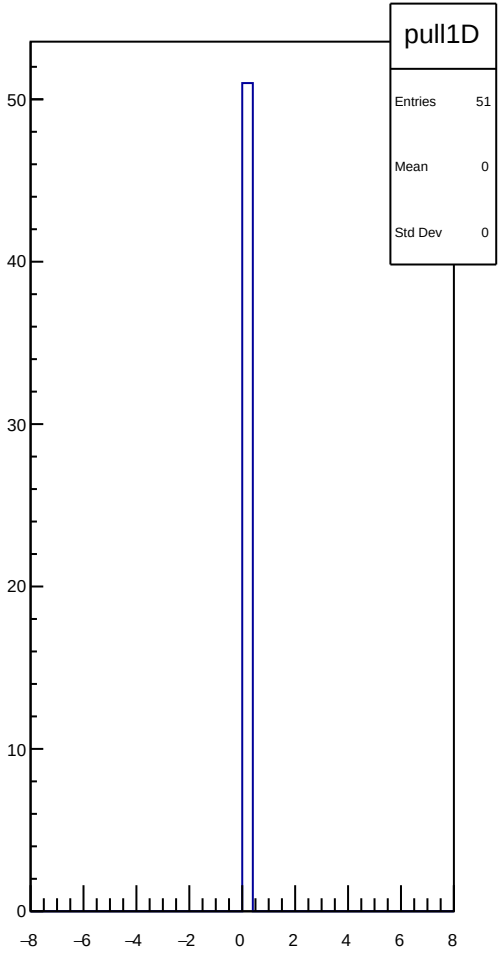

pull1D
Entries 51
Mean 0
Std Dev 0
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

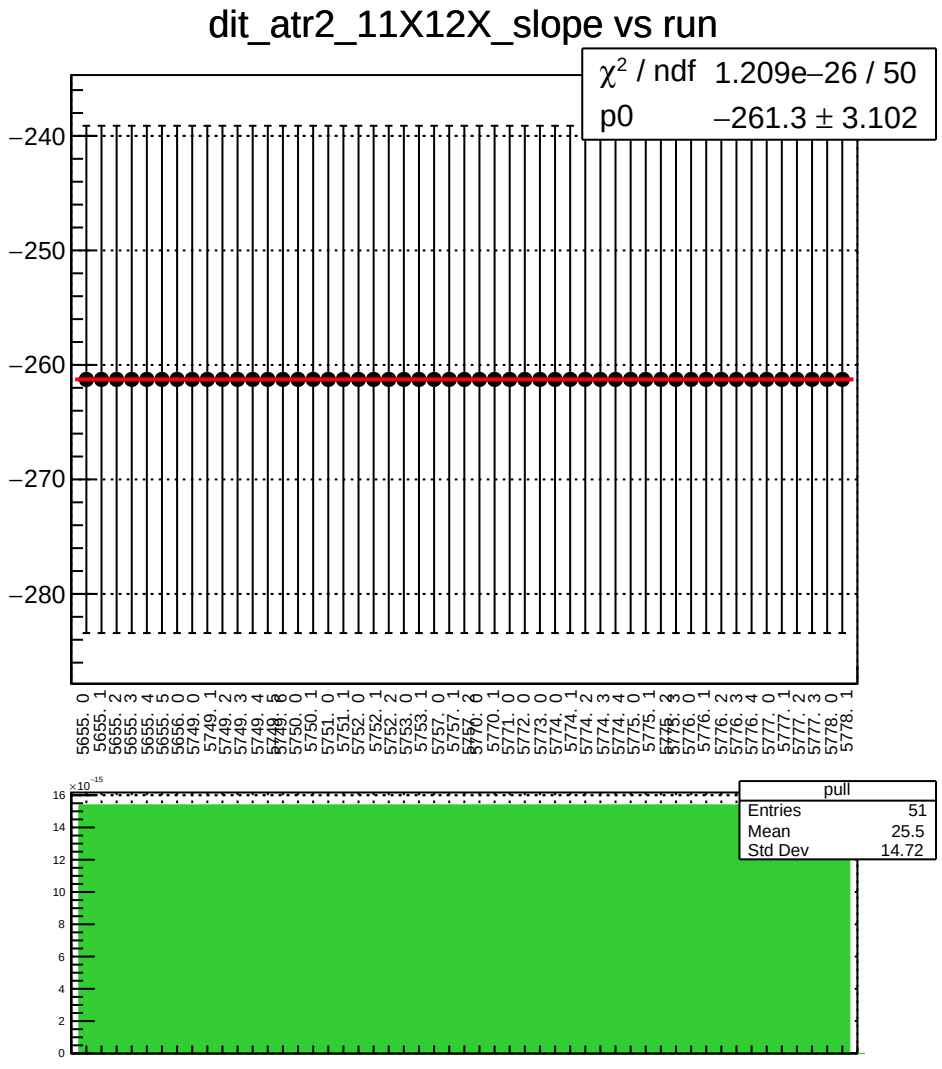

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 50
p0 −32.73 ± 0.3031
pull
Entries 51
Mean 0
Std Dev 0
pull1D
Entries 51
Mean 0
Std Dev 0

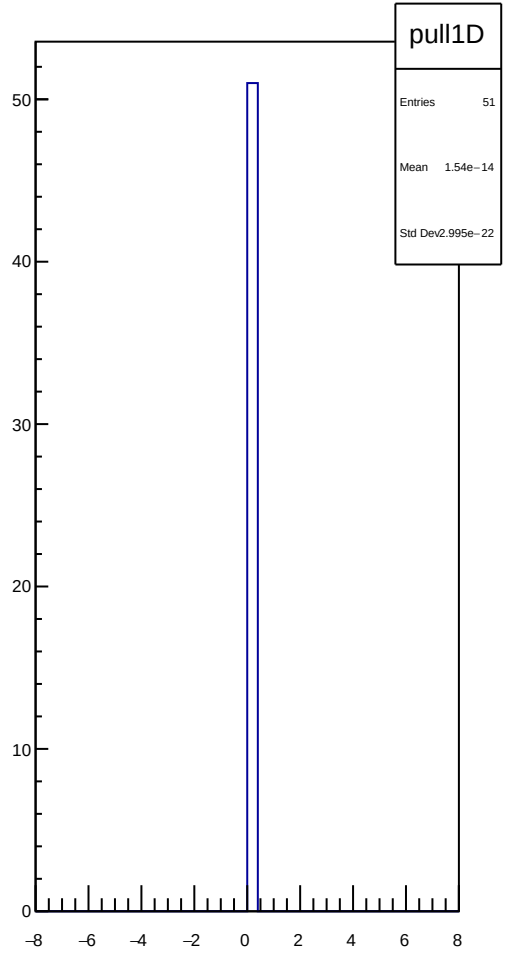

dit_atr2_4aX_slope vs run
χ² / ndf 0 / 50
p0 −534.1 ± 5.214
pull
Entries 51
Mean 0
Std Dev 0

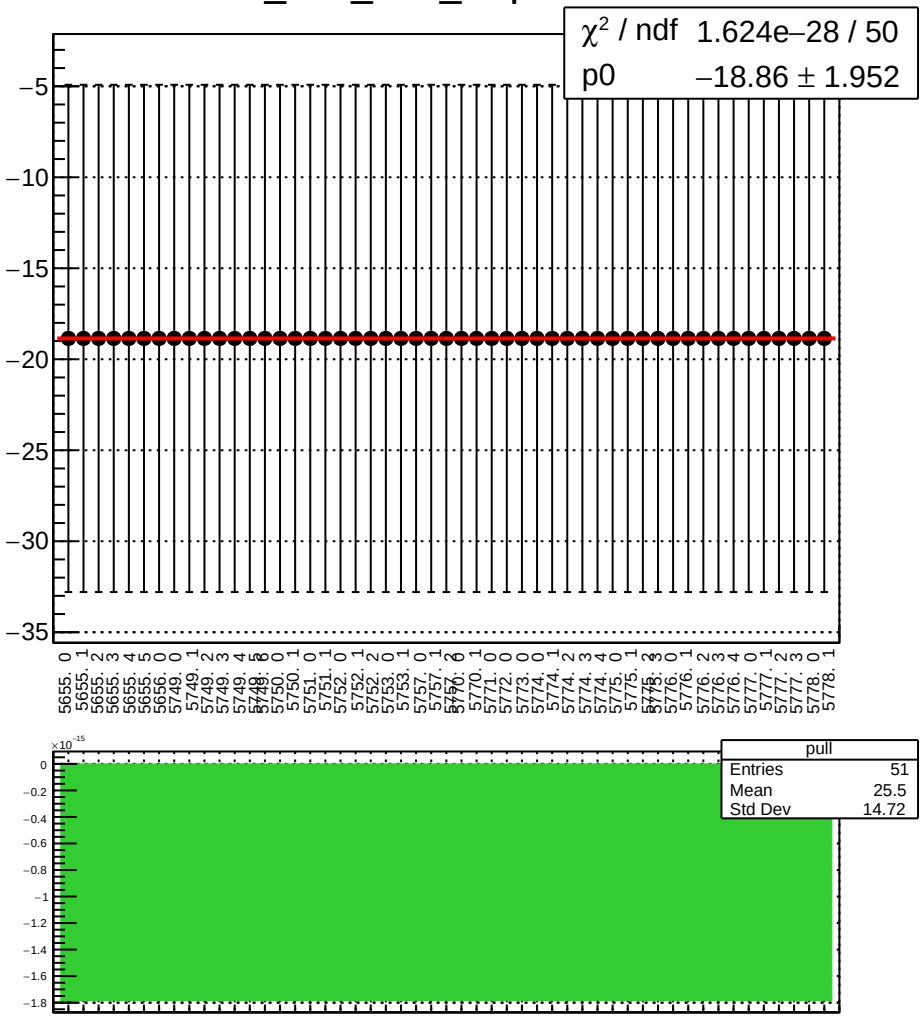

pull1D
Entries 51
Mean 0
Std Dev 0

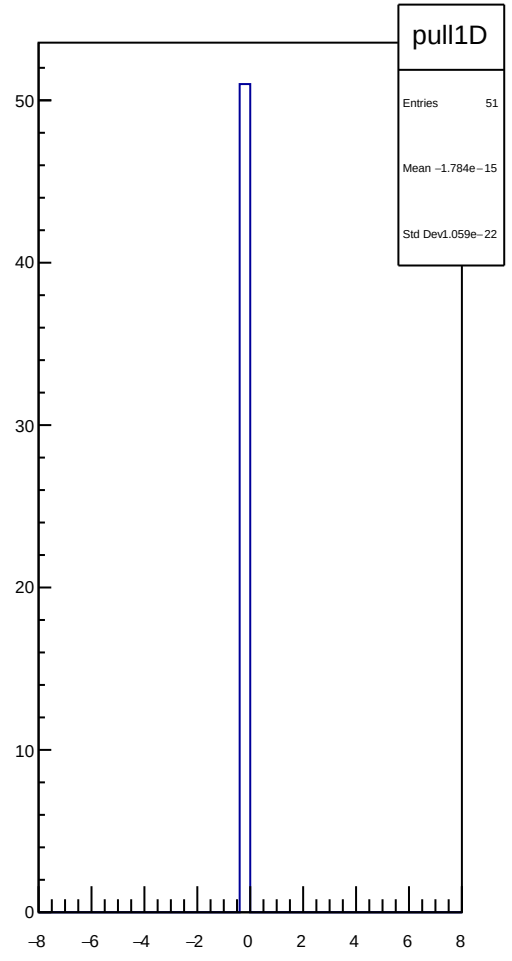

dit_atr2_4eX_slope vs run
χ^2 / ndf 0 / 50
p0 924.2 ± 11.07
pull
Entries 51
Mean 0
Std Dev 0

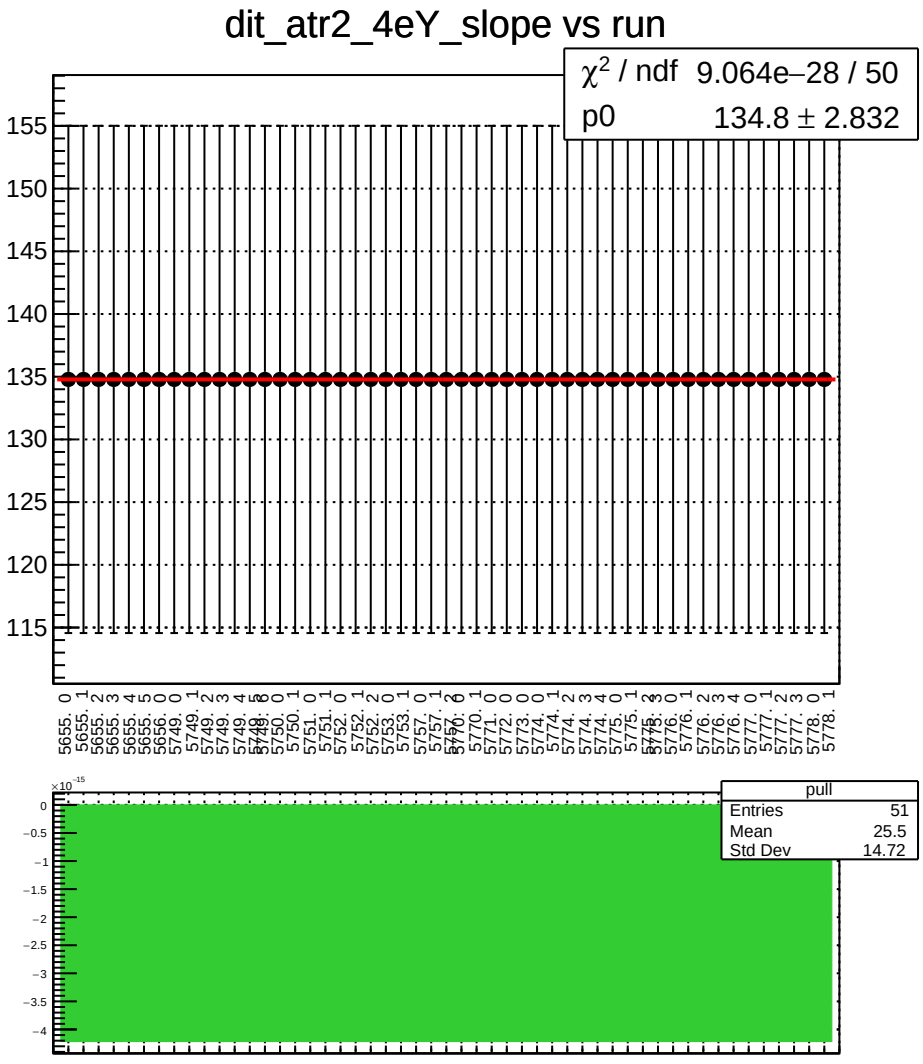

pull1D
Entries 51
Mean 0
Std Dev 0

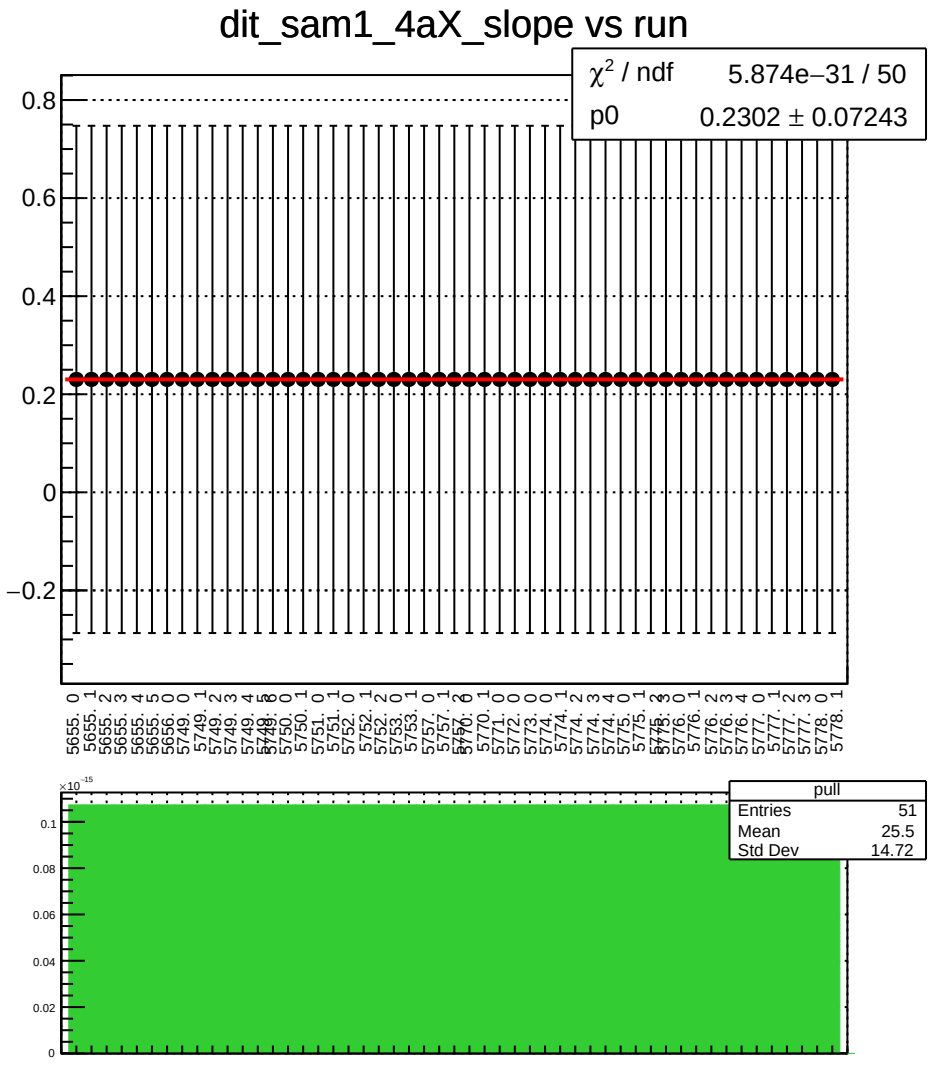

dit_atr2_11X12X_slope vs run
χ² / ndf 1.209e−26 / 50
p0 −261.3 ± 3.102
−240
−250
−260
−270
−280
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

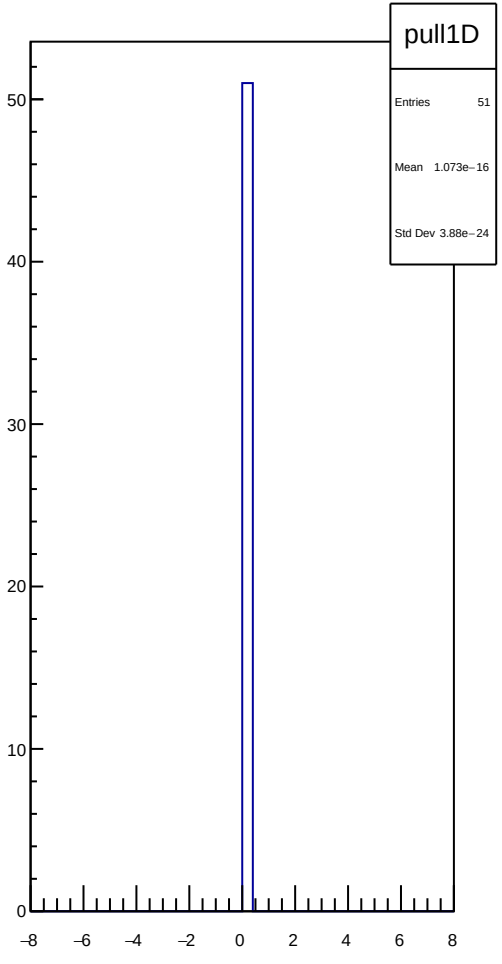

pull1D
Entries 51
Mean 1.54e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

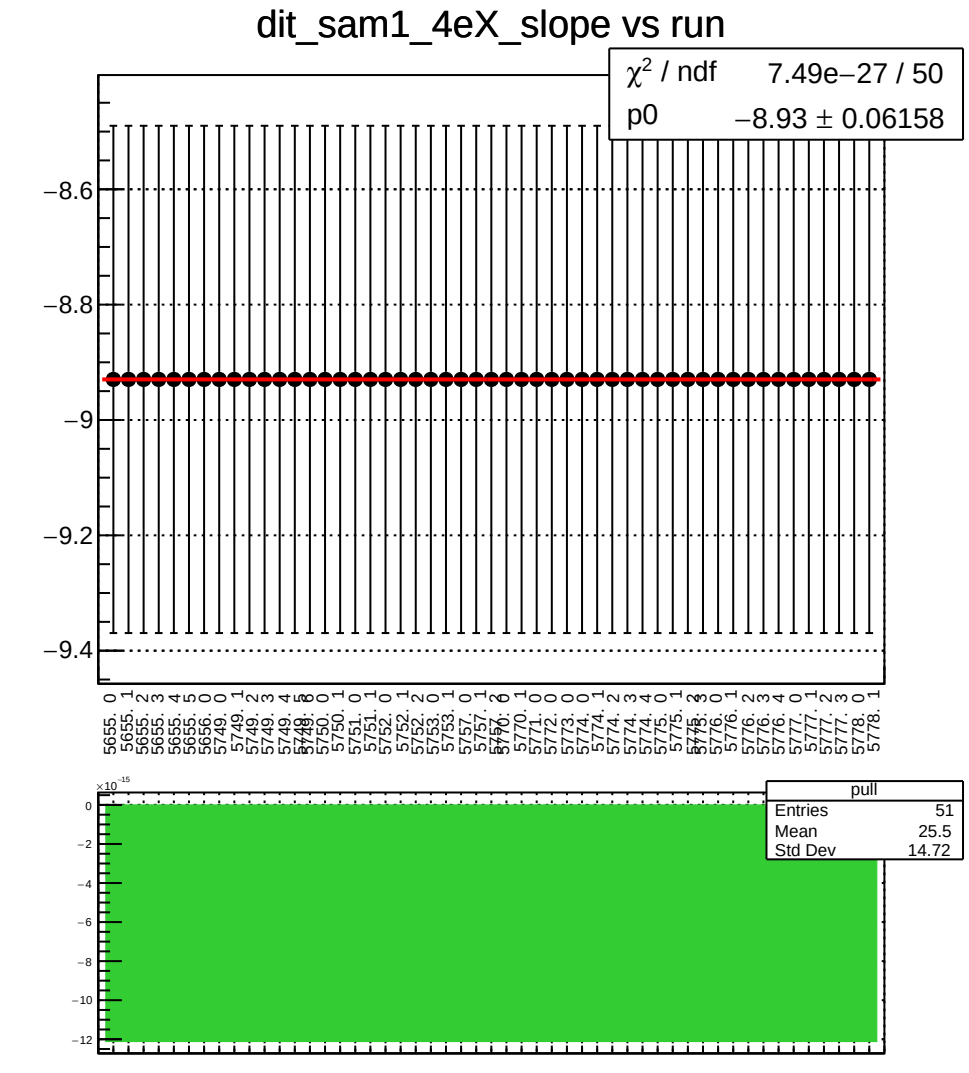

dit_atr2_4aY_slope vs run
χ² / ndf 1.624e−28 / 50
p0 −18.86 ± 1.952
pull
Entries 51
Mean 25.5
Std Dev 14.72

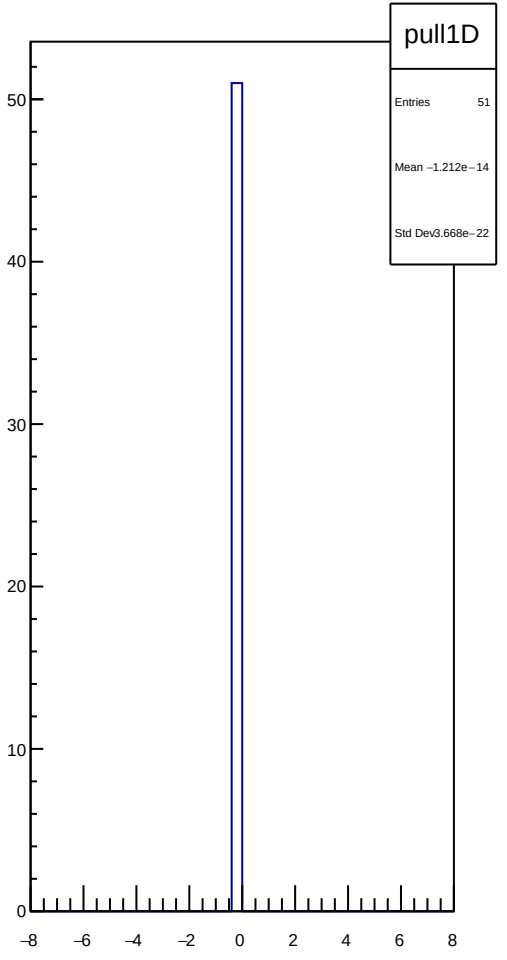

pull1D
Entries 51
Mean −1.784e−15
Std Dev1.059e−22

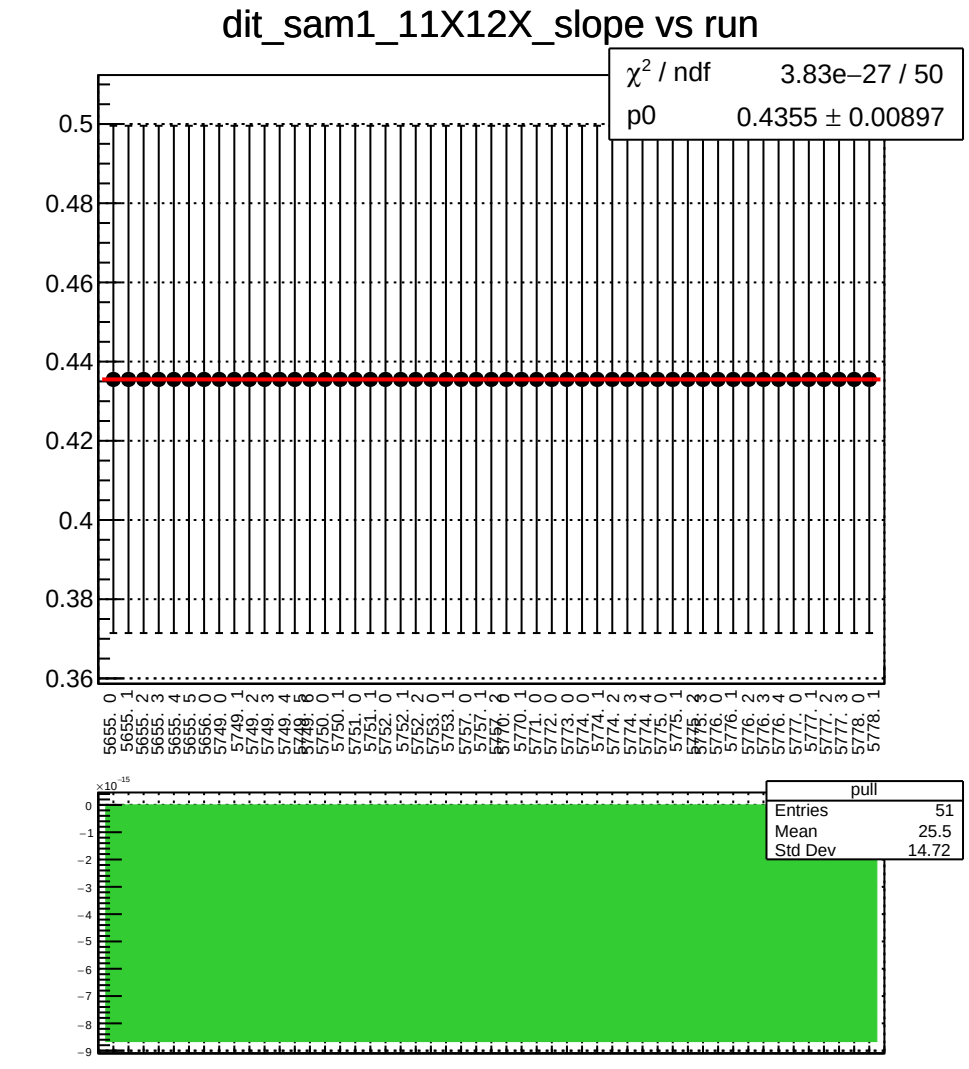

dit_atr2_4eY_slope vs run
χ^2 / ndf 9.064e−28 / 50
p0 134.8 ± 2.832
155
150
145
140
135
130
125
120
115
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

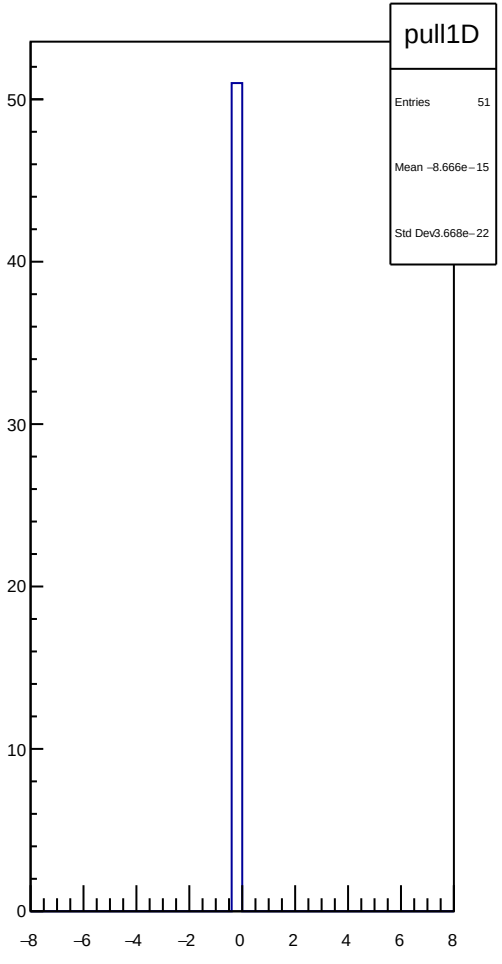

dit_sam1_4aX_slope vs run
χ² / ndf 5.874e−31 / 50
p0 0.2302 ± 0.07243
pull
Entries 51
Mean 25.5
Std Dev 14.72

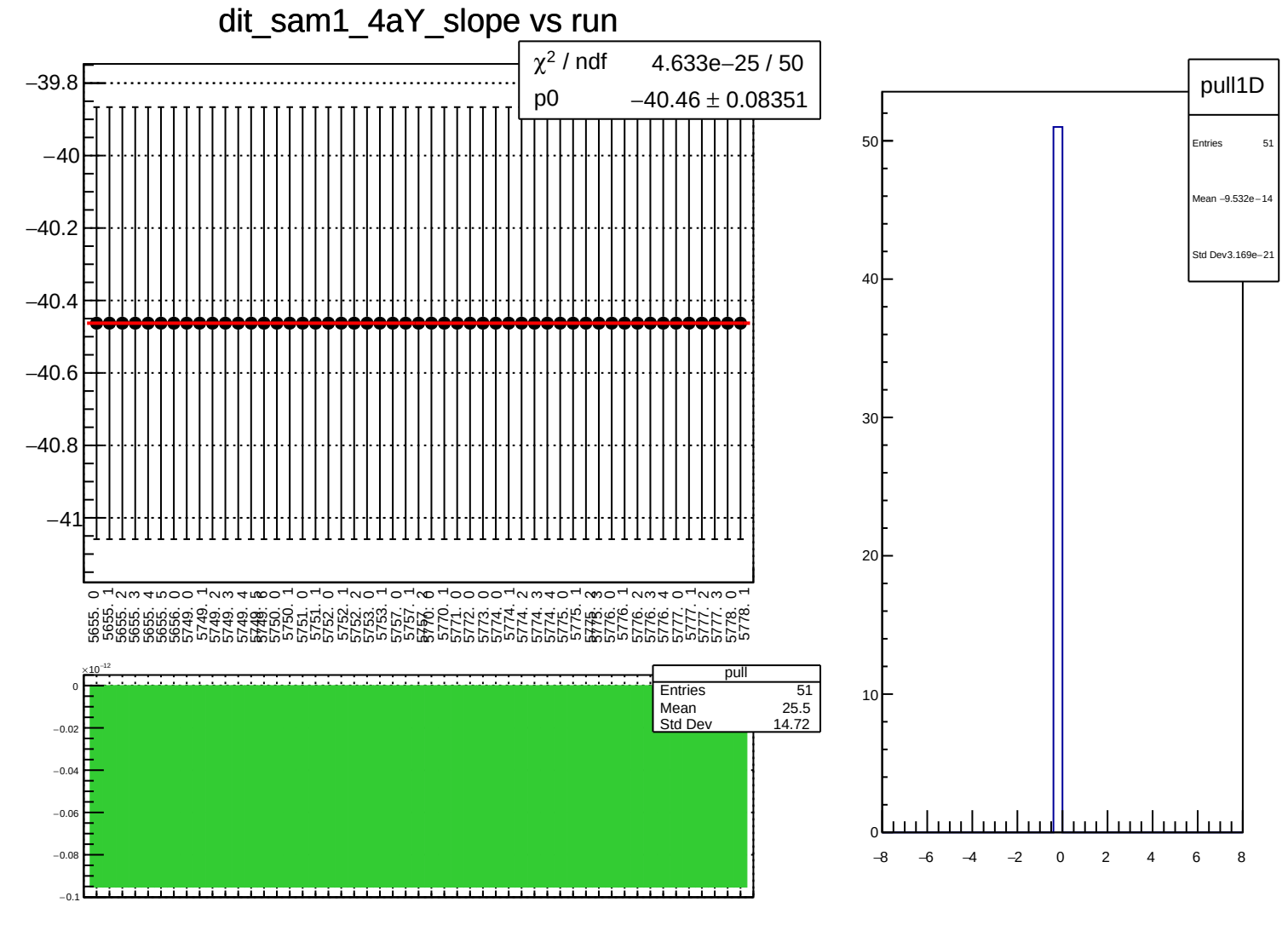

pull1D
Entries 51
Mean 1.073e−16
Std Dev 3.88e−24

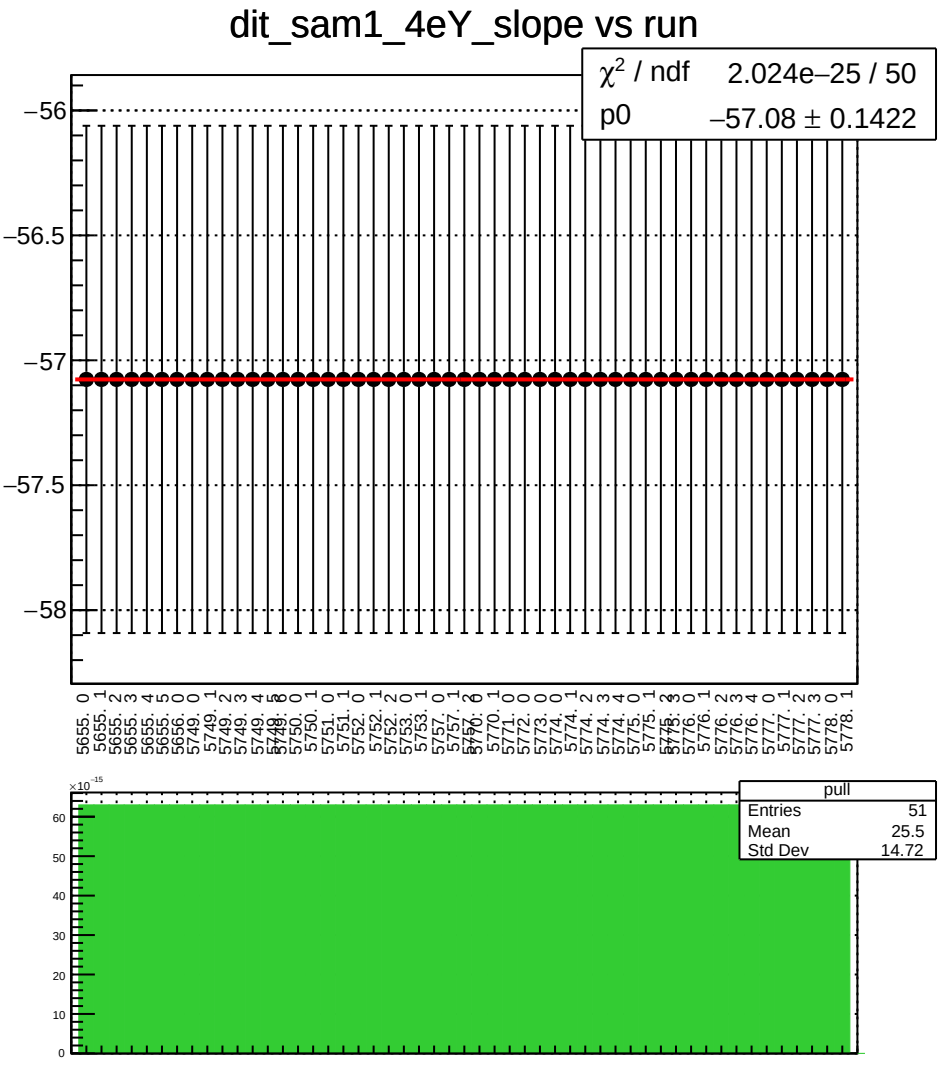

dit_sam1_4eX_slope vs run
χ² / ndf 7.49e−27 / 50
p0 −8.93 ± 0.06158
−8.6
−8.8
−9
−9.2
−9.4
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

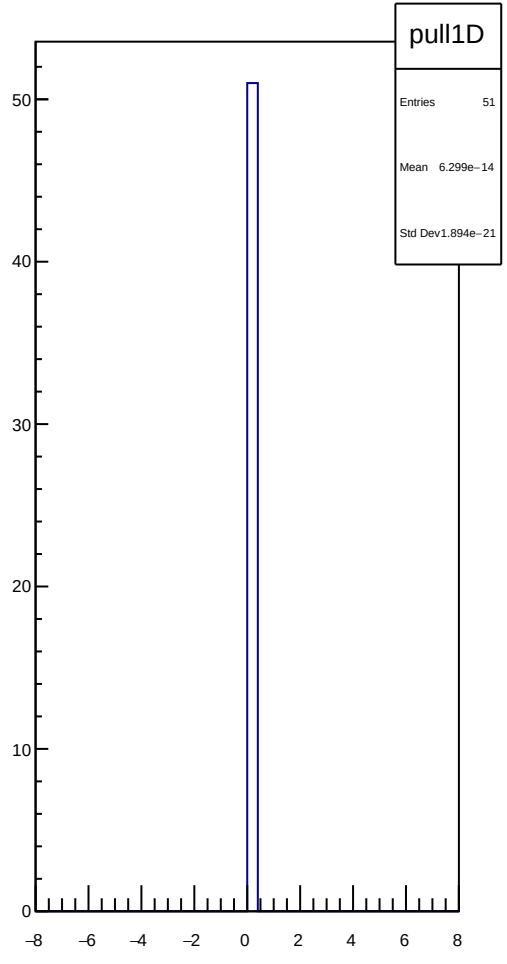

pull1D
Entries 51
Mean −1.212e−14
Std Dev 3.668e−22

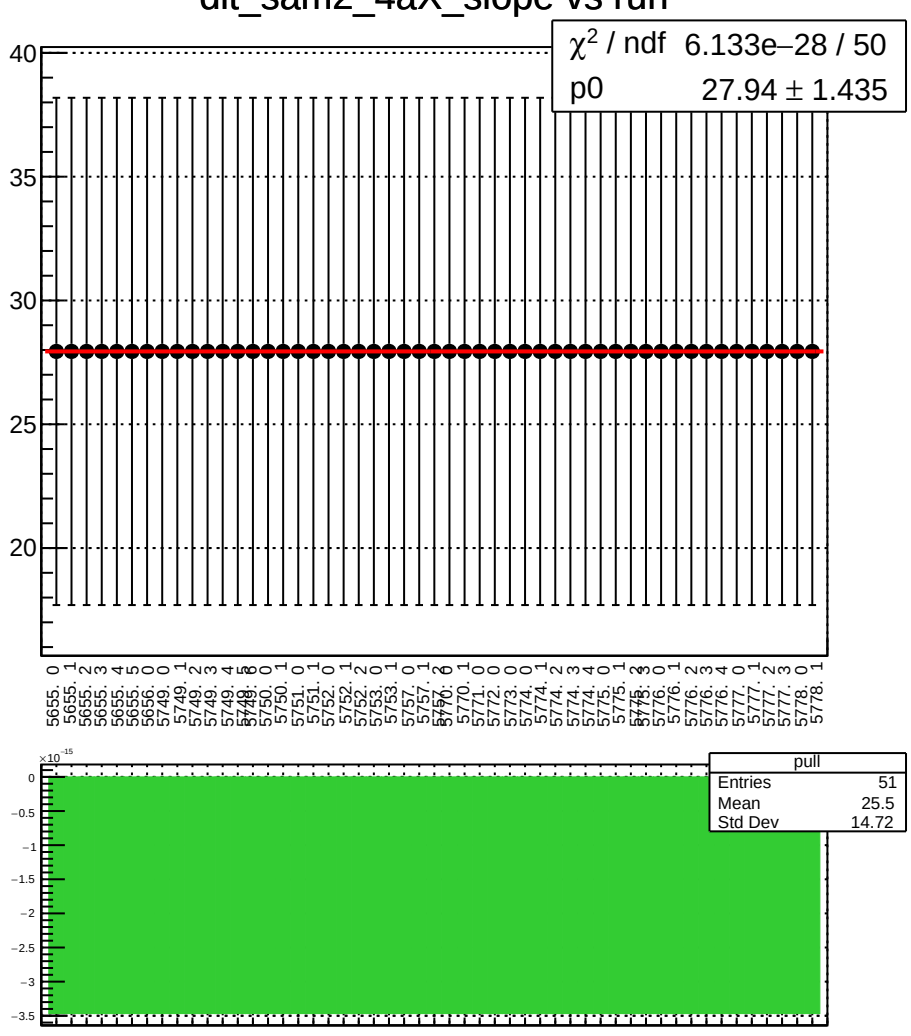

dit_sam1_11X12X_slope vs run
χ² / ndf 3.83e−27 / 50
p0 0.4355 ± 0.00897
pull
Entries 51
Mean 25.5
Std Dev 14.72

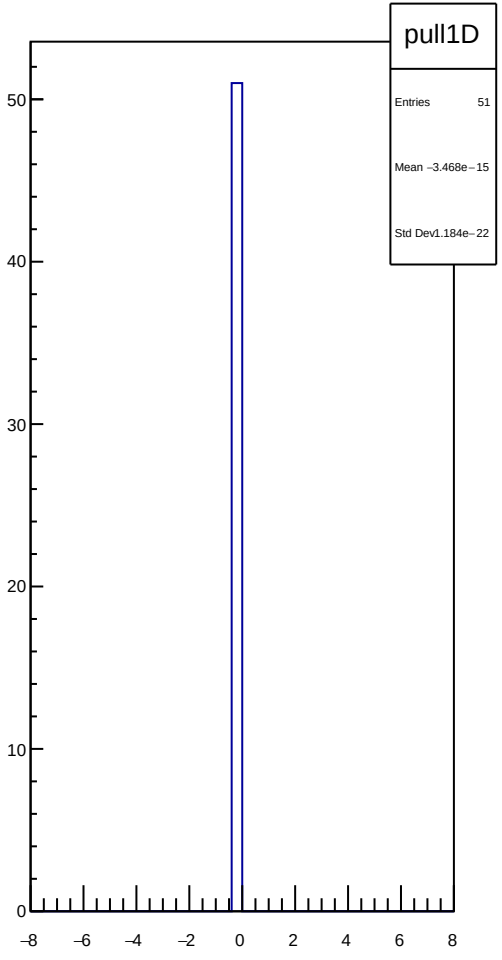

pull1D
Entries 51
Mean −8.666e−15
Std Dev3.668e−22

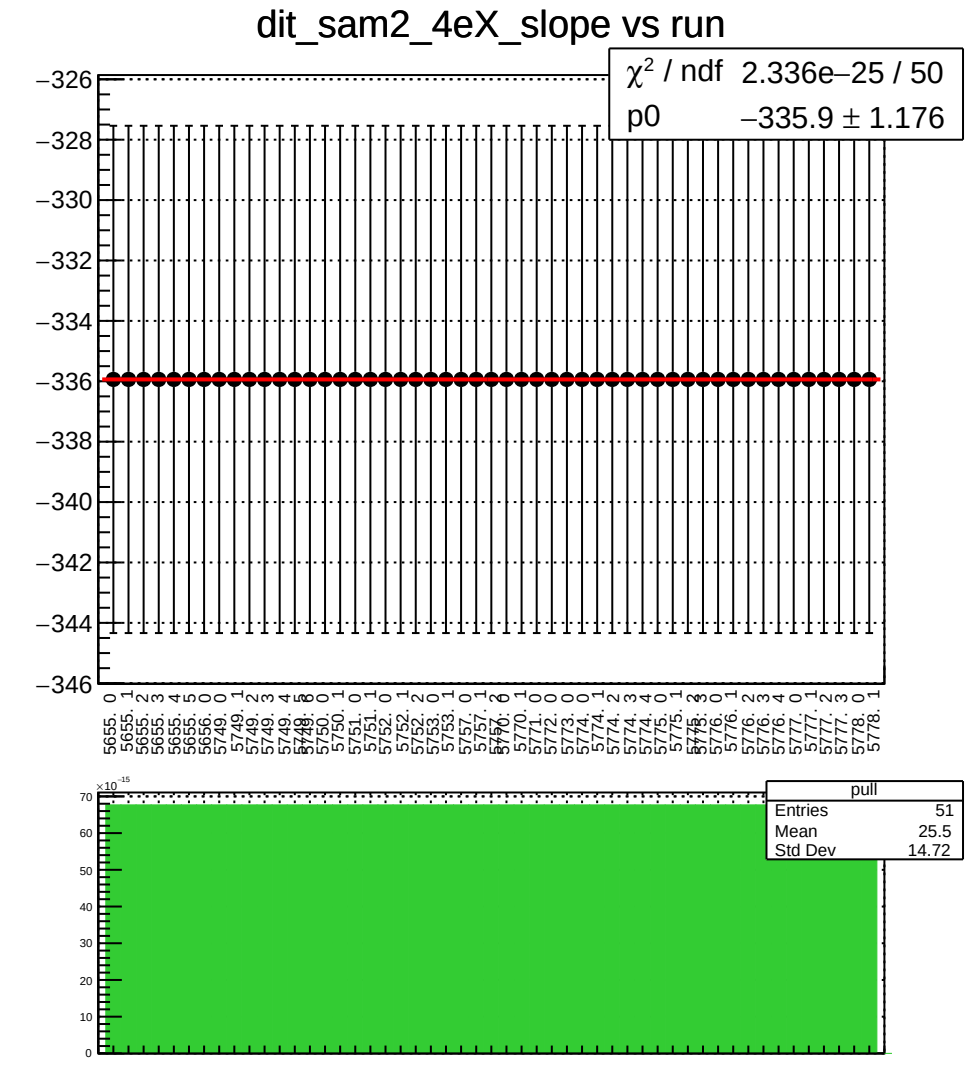

dit_sam1_4aY_slope vs run
χ² / ndf 4.633e−25 / 50
p0 −40.46 ± 0.08351
−39.8
−40
−40.2
−40.4
−40.6
−40.8
−41
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

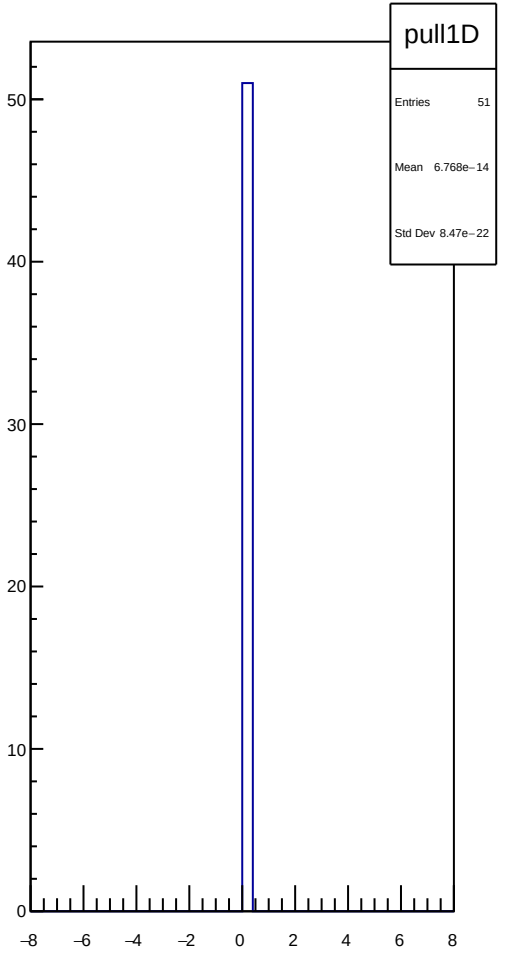

dit_sam1_4eY_slope vs run
χ² / ndf 2.024e−25 / 50
p0 −57.08 ± 0.1422
−56
−56.5
−57
−57.5
−58
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
60
50
40
30
20
10
0

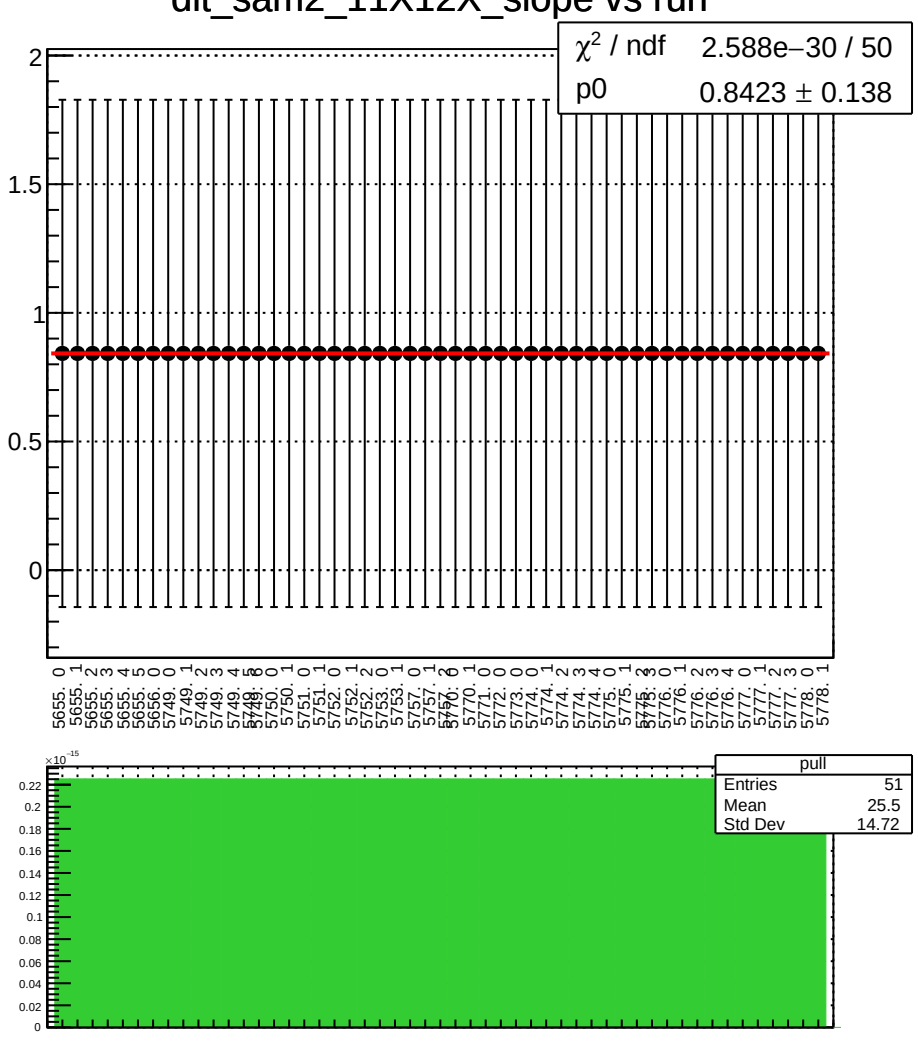

pull1D
Entries 51
Mean 6.299e−14
Std Dev 1.894e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

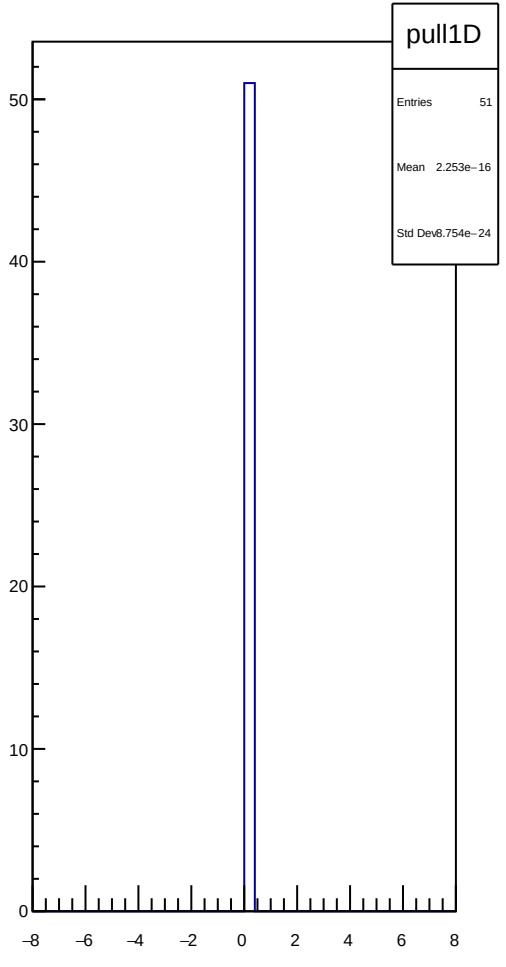

dit_sam2_4aX_slope vs run
χ² / ndf 6.133e−28 / 50
p0 27.94 ± 1.435
pull
Entries 51
Mean 25.5
Std Dev 14.72

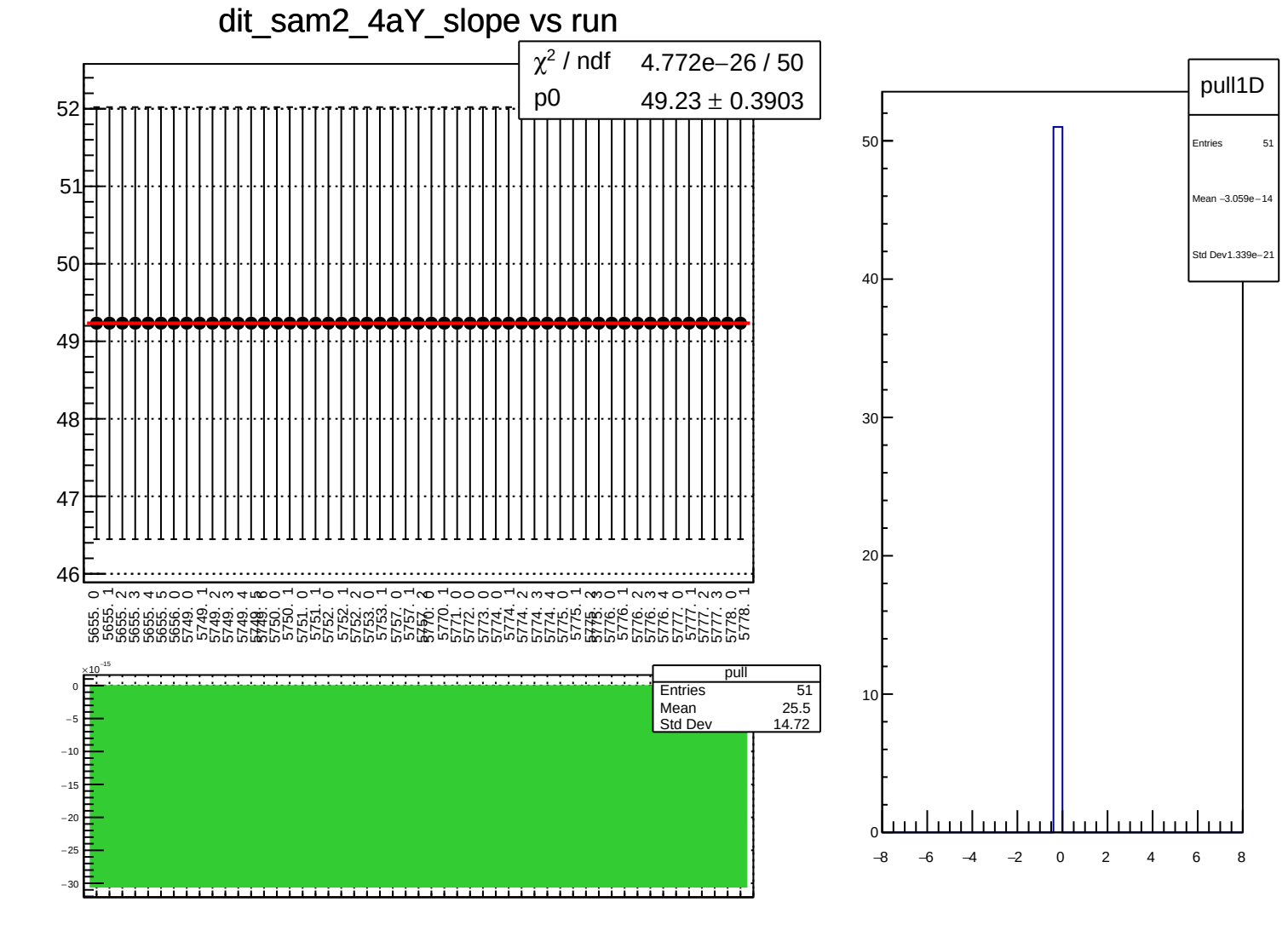

pull1D
Entries 51
Mean −3.468e−15
Std Dev1.184e−22

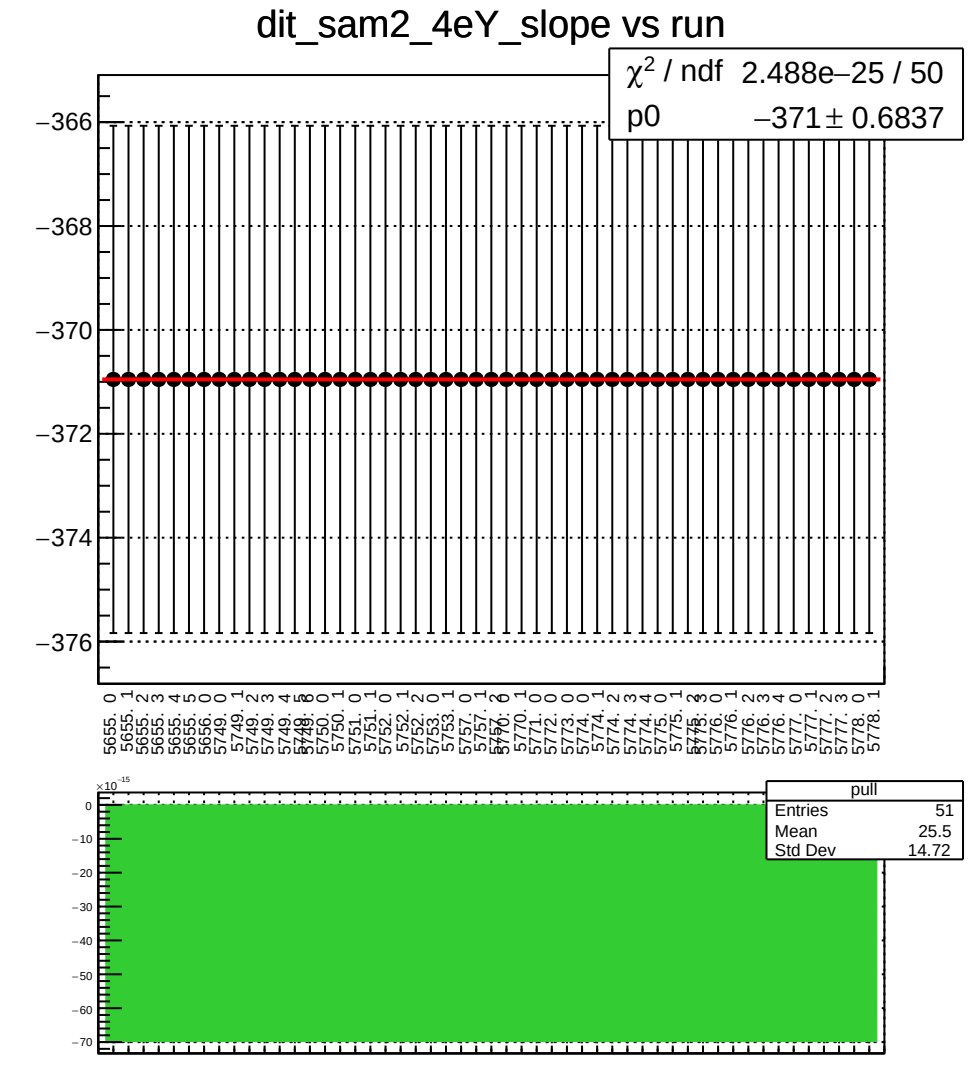

dit_sam2_4eX_slope vs run
χ² / ndf 2.336e−25 / 50
p0 −335.9 ± 1.176
pull
Entries 51
Mean 25.5
Std Dev 14.72

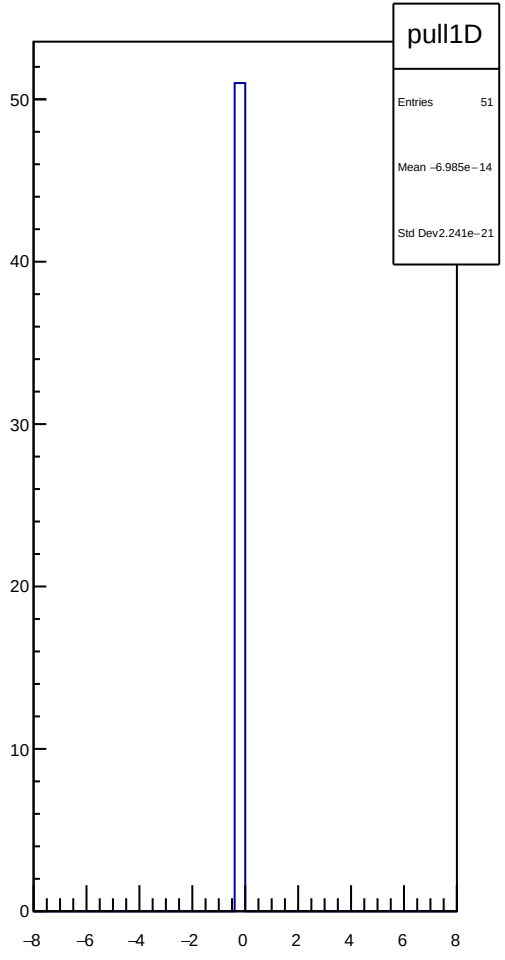

pull1D
Entries 51
Mean 6.768e−14
Std Dev 8.47e−22

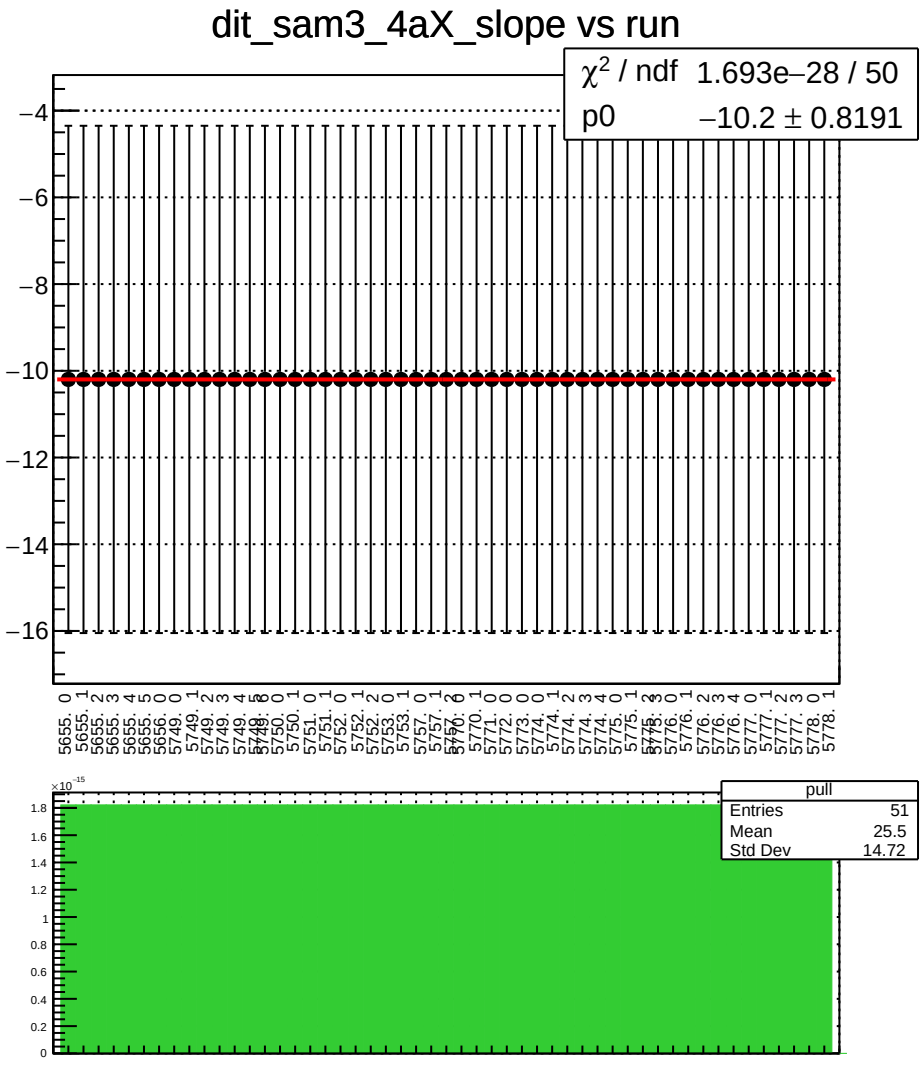

dit_sam2_11X12X_slope vs run
χ² / ndf 2.588e−30 / 50
p0 0.8423 ± 0.138
pull
Entries 51
Mean 25.5
Std Dev 14.72

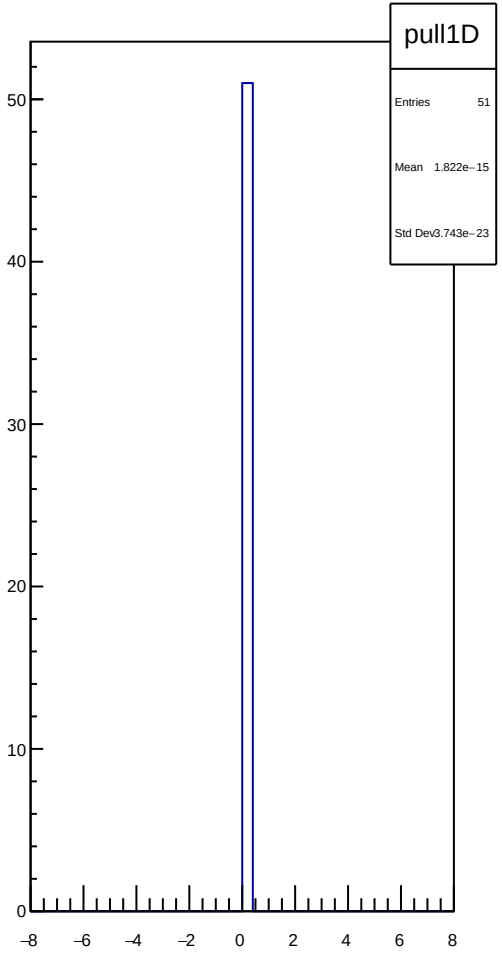

pull1D
Entries 51
Mean 2.253e−16
Std Dev 8.754e−24

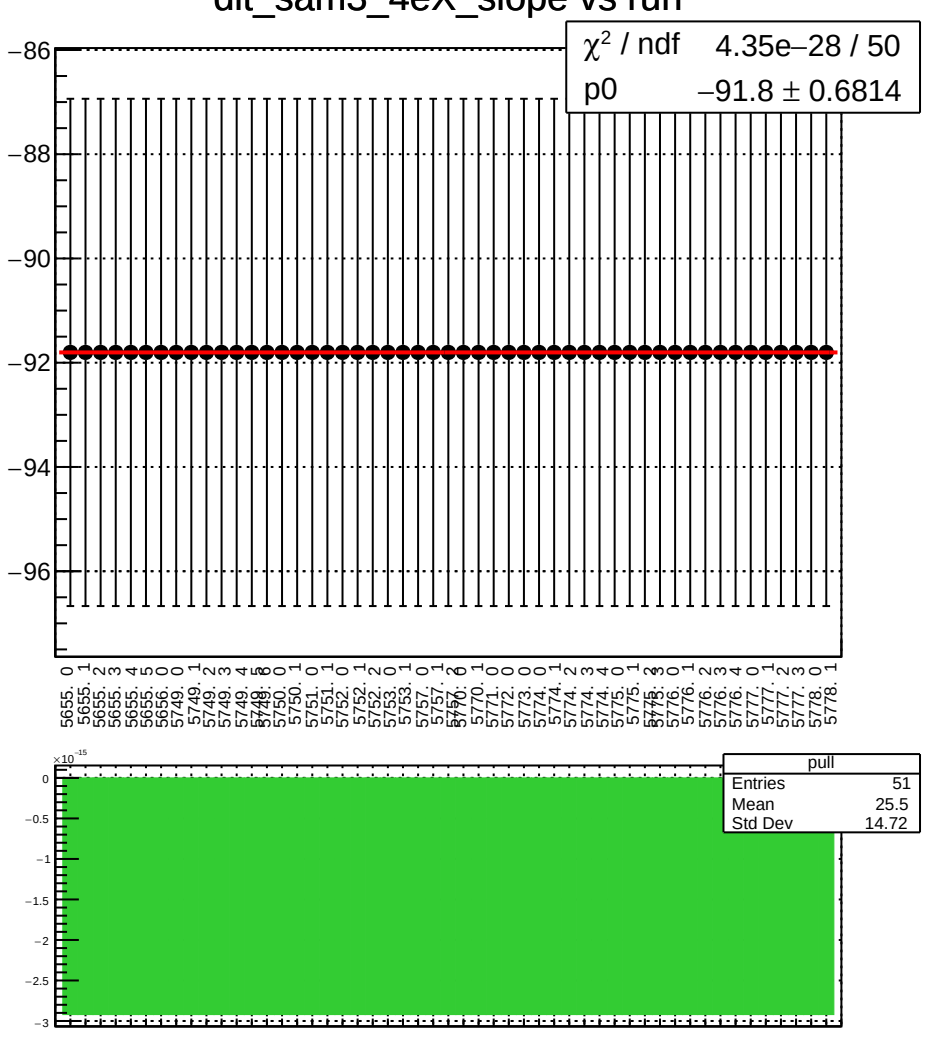

dit_sam2_4aY_slope vs run
χ² / ndf 4.772e−26 / 50
p0 49.23 ± 0.3903
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean −3.059e−14
Std Dev1.339e−21

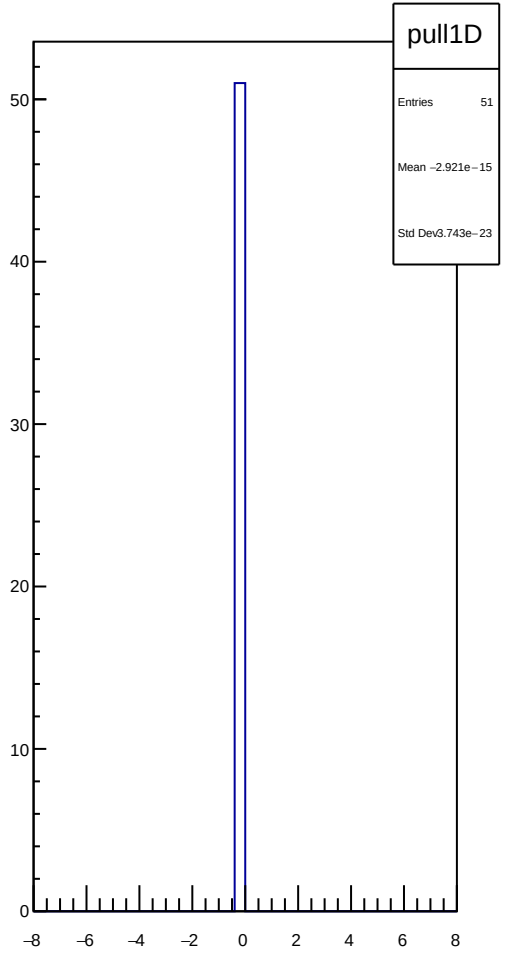

dit_sam2_4eY_slope vs run
χ² / ndf 2.488e−25 / 50
p0 −371 ± 0.6837
−366
−368
−370
−372
−374
−376
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

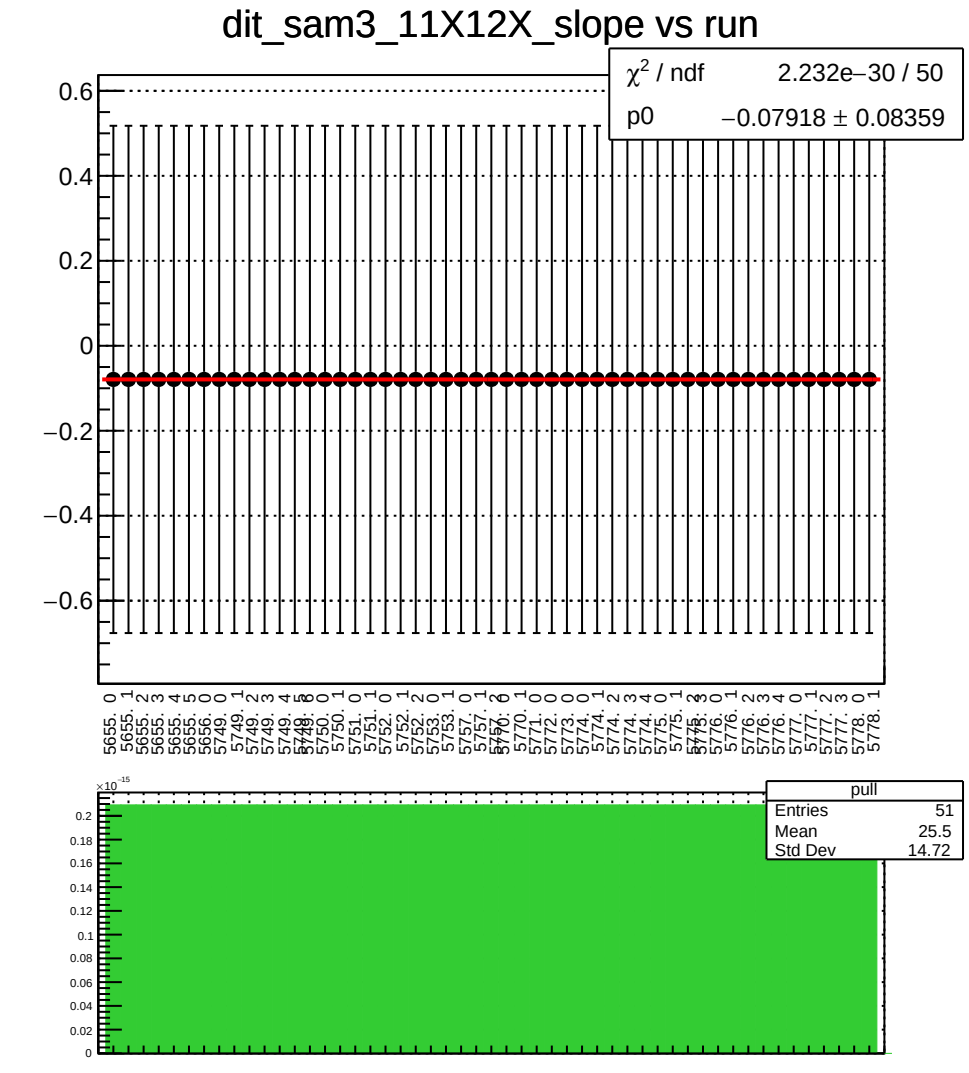

pull1D
Entries 51
Mean −6.985e−14
Std Dev2.241e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

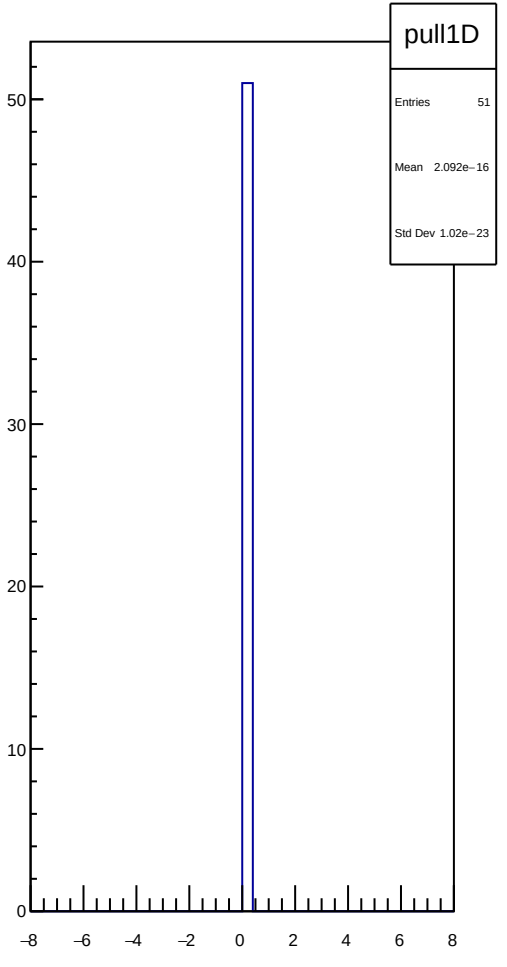

dit_sam3_4aX_slope vs run
χ² / ndf 1.693e−28 / 50
p0 −10.2 ± 0.8191
pull
Entries 51
Mean 25.5
Std Dev 14.72

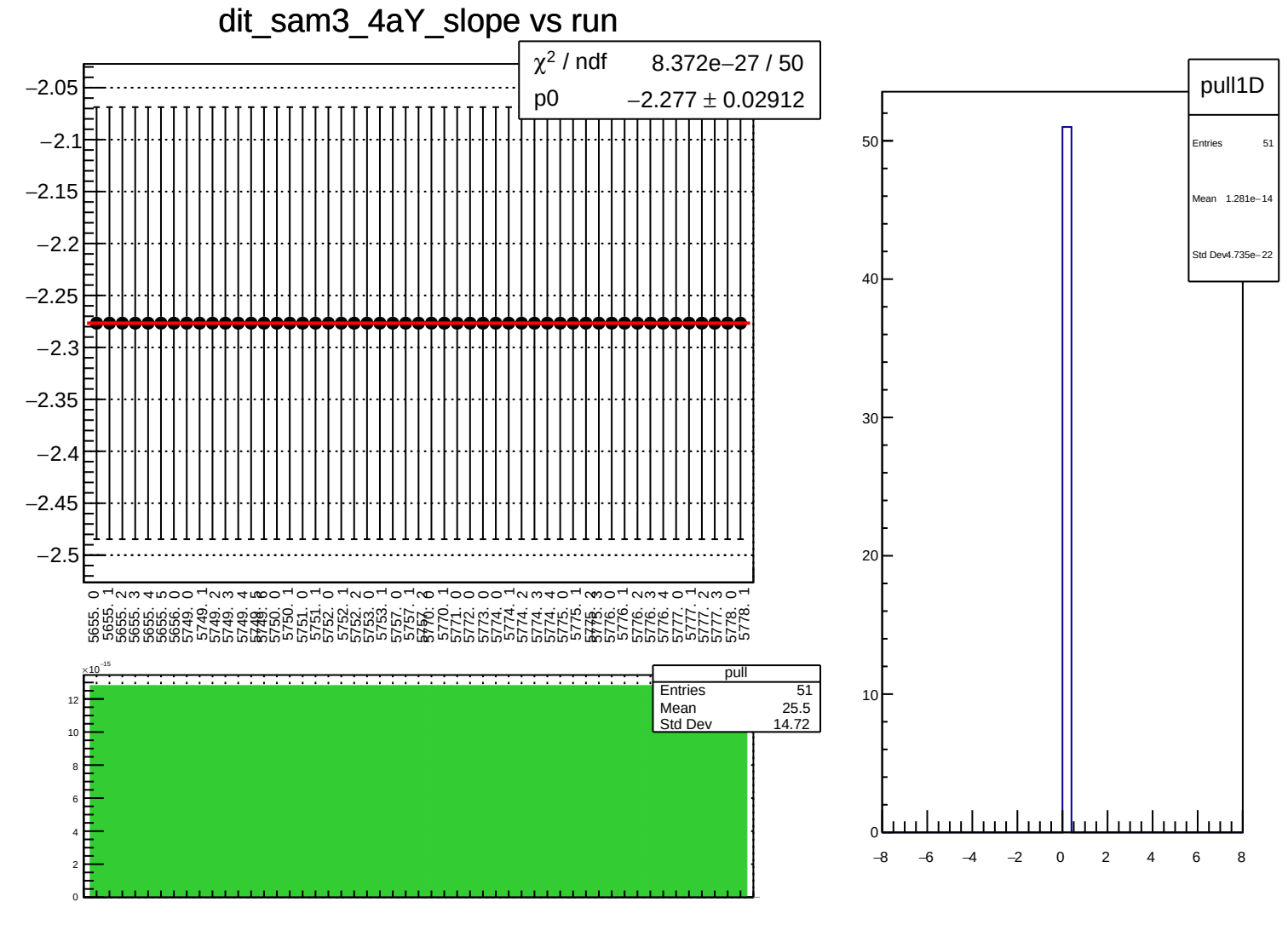

pull1D
Entries 51
Mean 1.822e−15
Std Dev 3.743e−23

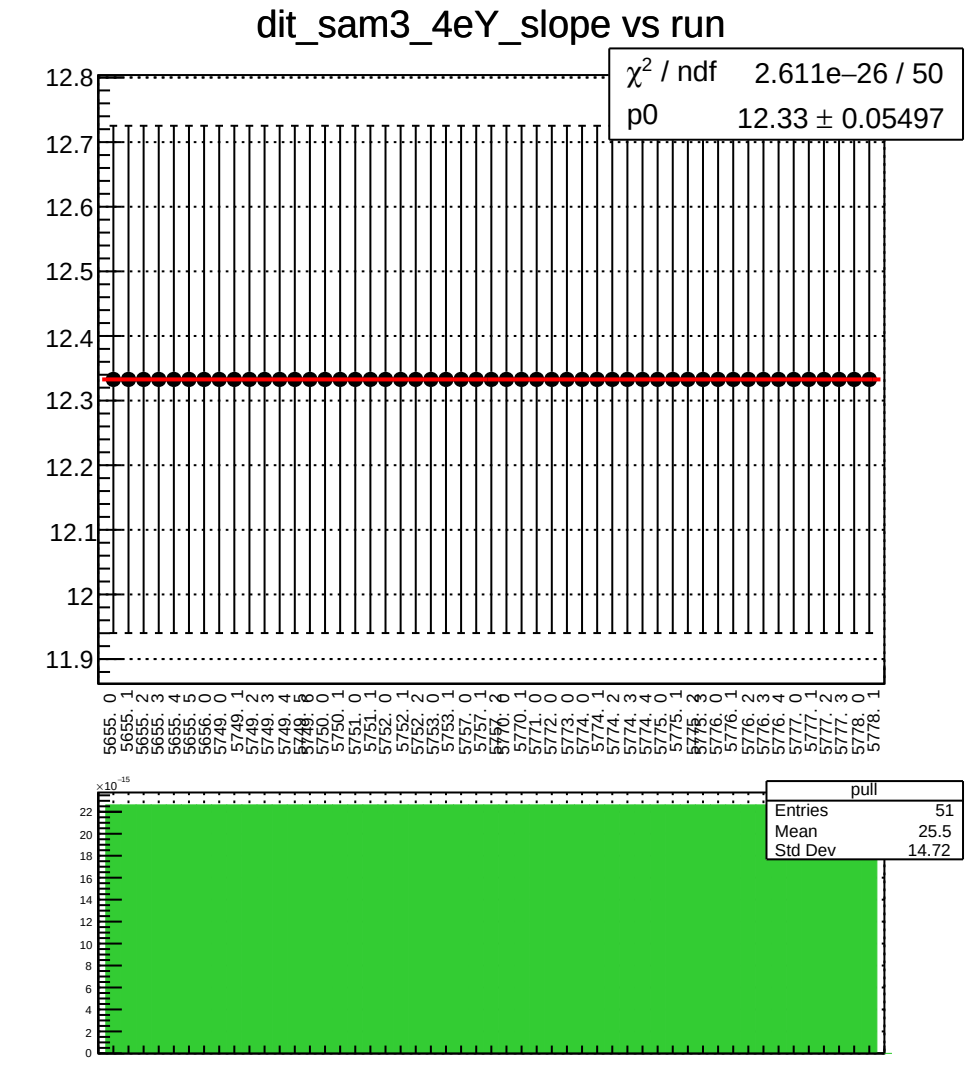

dit_sam3_4eX_slope vs run
χ² / ndf 4.35e−28 / 50
p0 −91.8 ± 0.6814
−86
−88
−90
−92
−94
−96
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

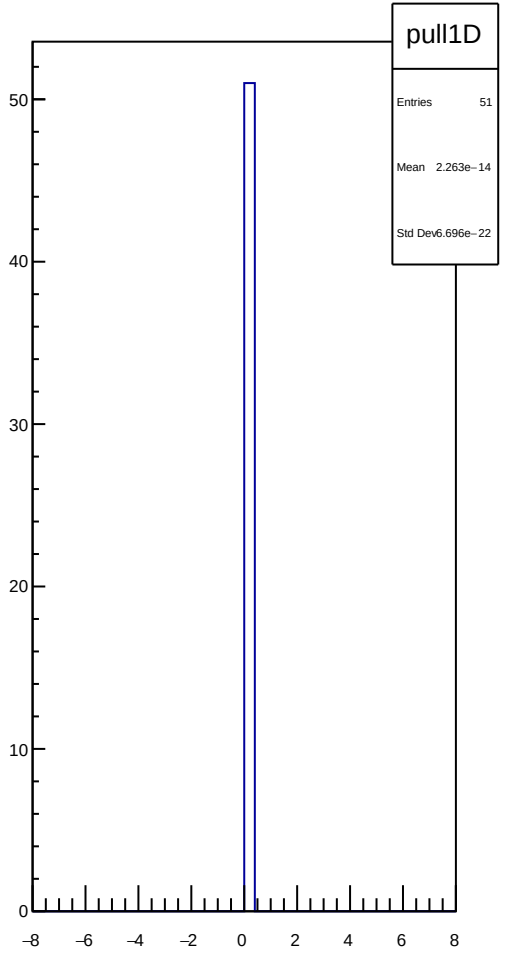

pull1D
Entries 51
Mean −2.921e−15
Std Dev 3.743e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

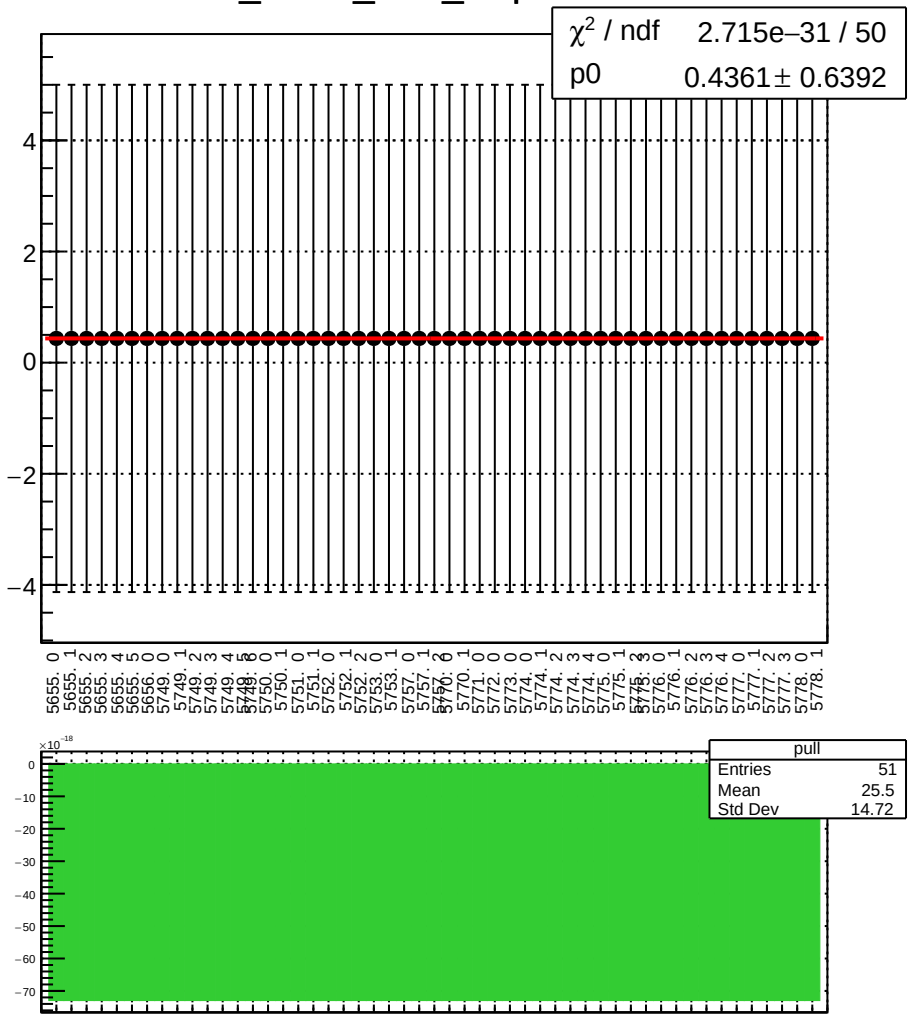

dit_sam3_11X12X_slope vs run
χ² / ndf 2.232e−30 / 50
p0 −0.07918 ± 0.08359
pull
Entries 51
Mean 25.5
Std Dev 14.72

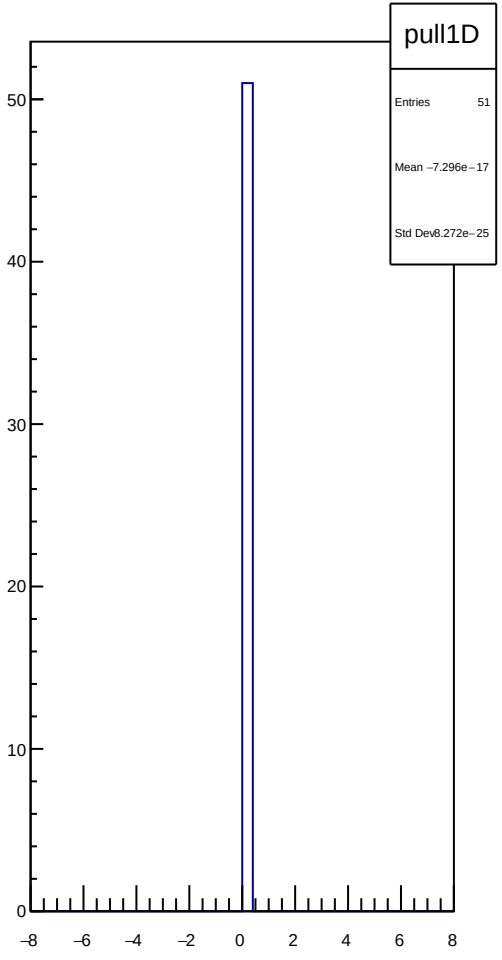

pull1D
Entries 51
Mean 2.092e−16
Std Dev 1.02e−23

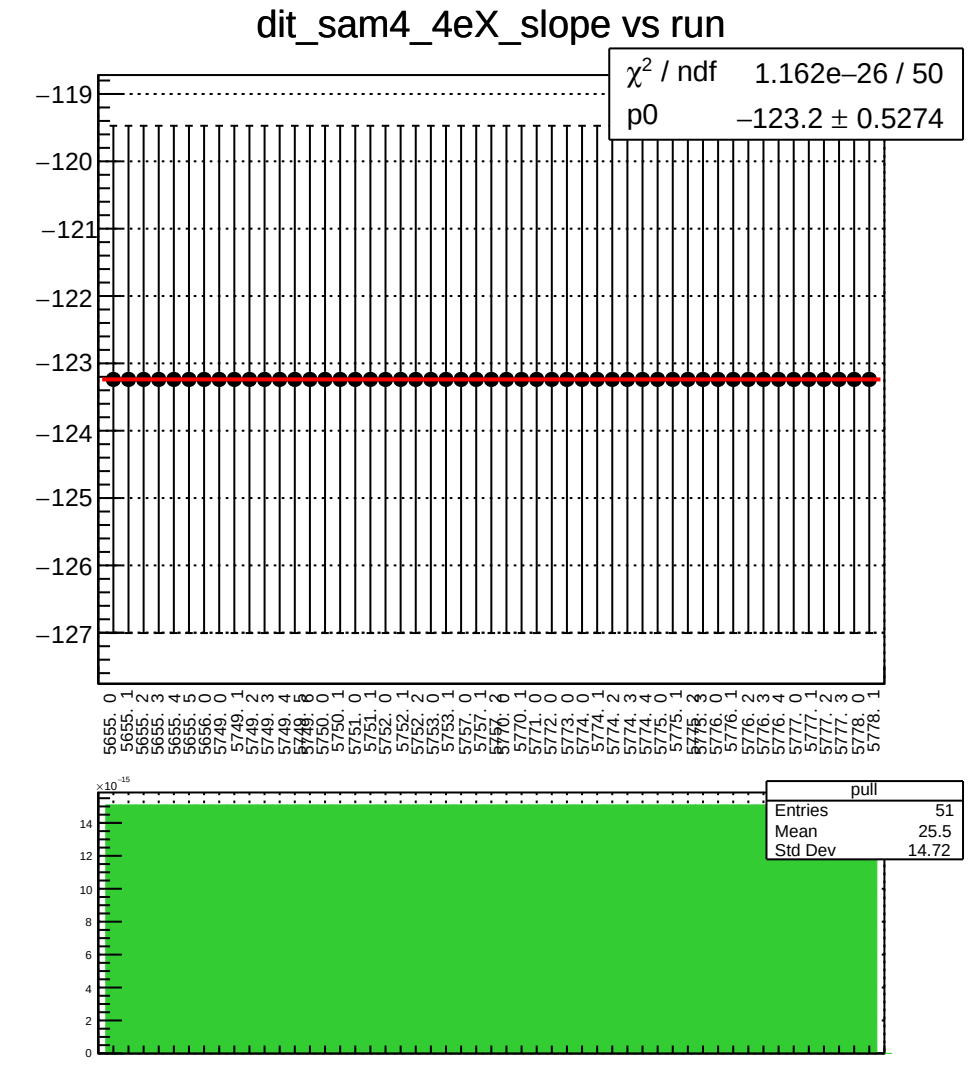

dit_sam3_4aY_slope vs run
χ² / ndf 8.372e−27 / 50
p0 −2.277 ± 0.02912
−2.05
−2.1
−2.15
−2.2
−2.25
−2.3
−2.35
−2.4
−2.45
−2.5
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
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

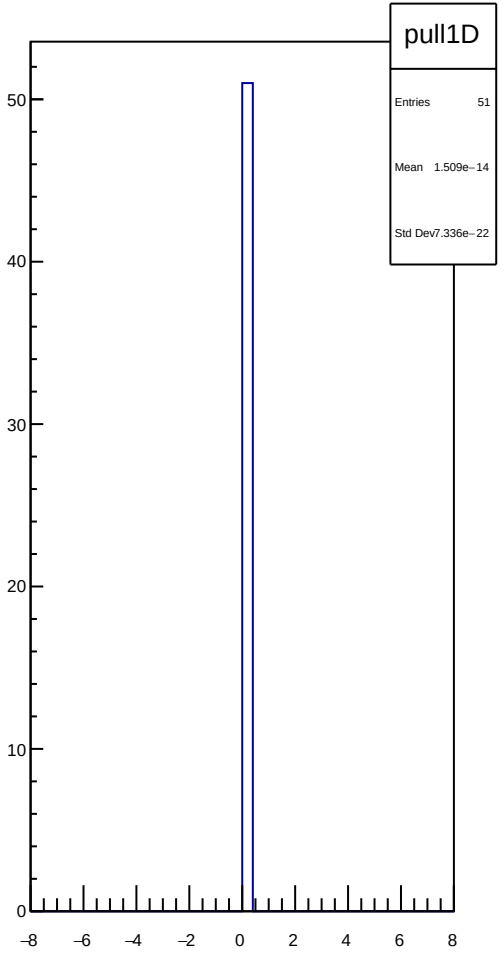

dit_sam3_4eY_slope vs run
χ² / ndf 2.611e−26 / 50
p0 12.33 ± 0.05497
12.8
12.7
12.6
12.5
12.4
12.3
12.2
12.1
12
11.9
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

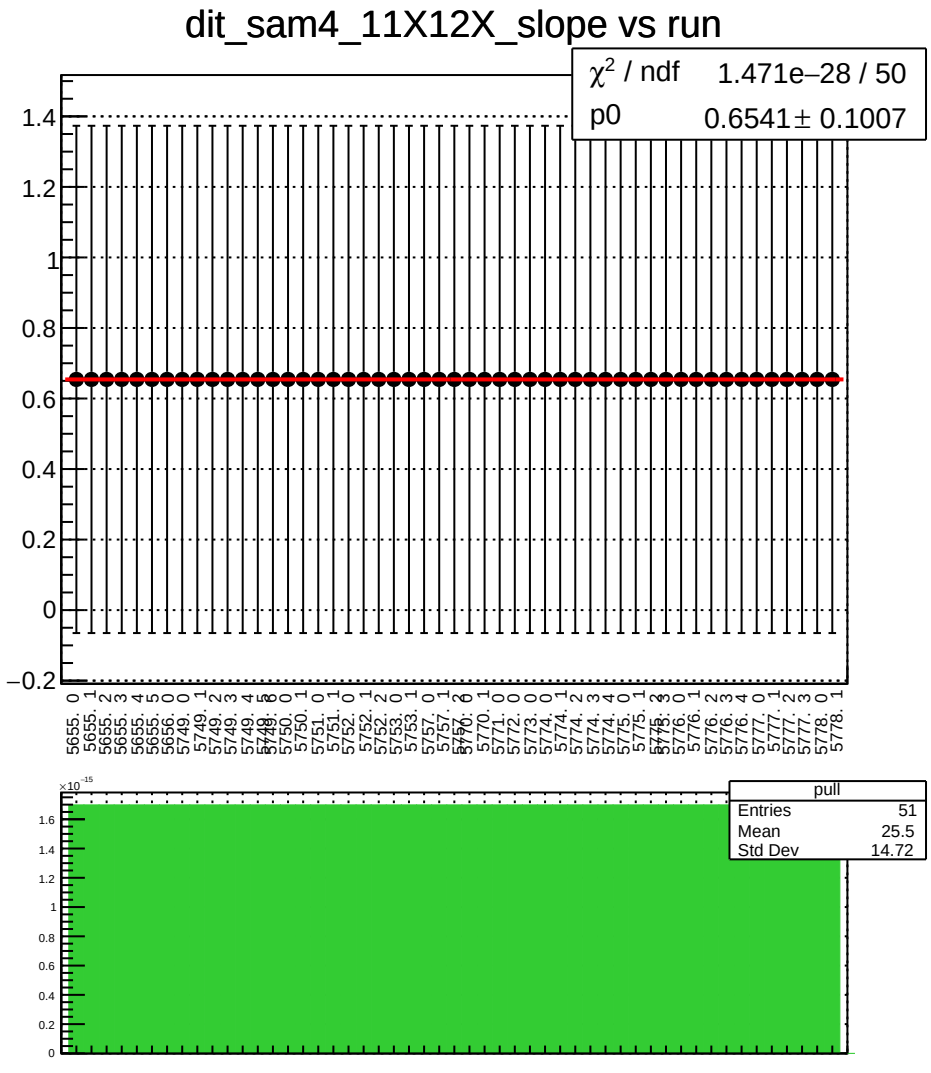

pull1D
Entries 51
Mean 2.263e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

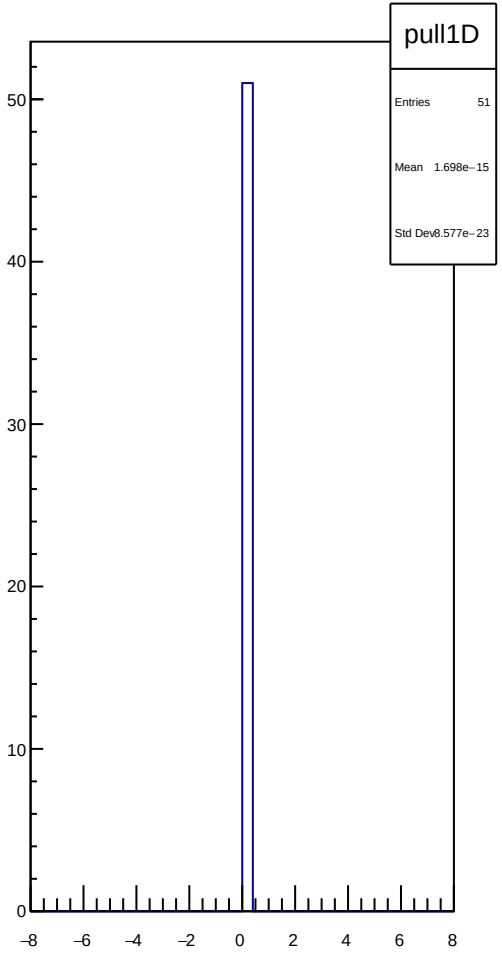

dit_sam4_4aX_slope vs run
χ² / ndf 2.715e−31 / 50
p0 0.4361 ± 0.6392
pull
Entries 51
Mean 25.5
Std Dev 14.72

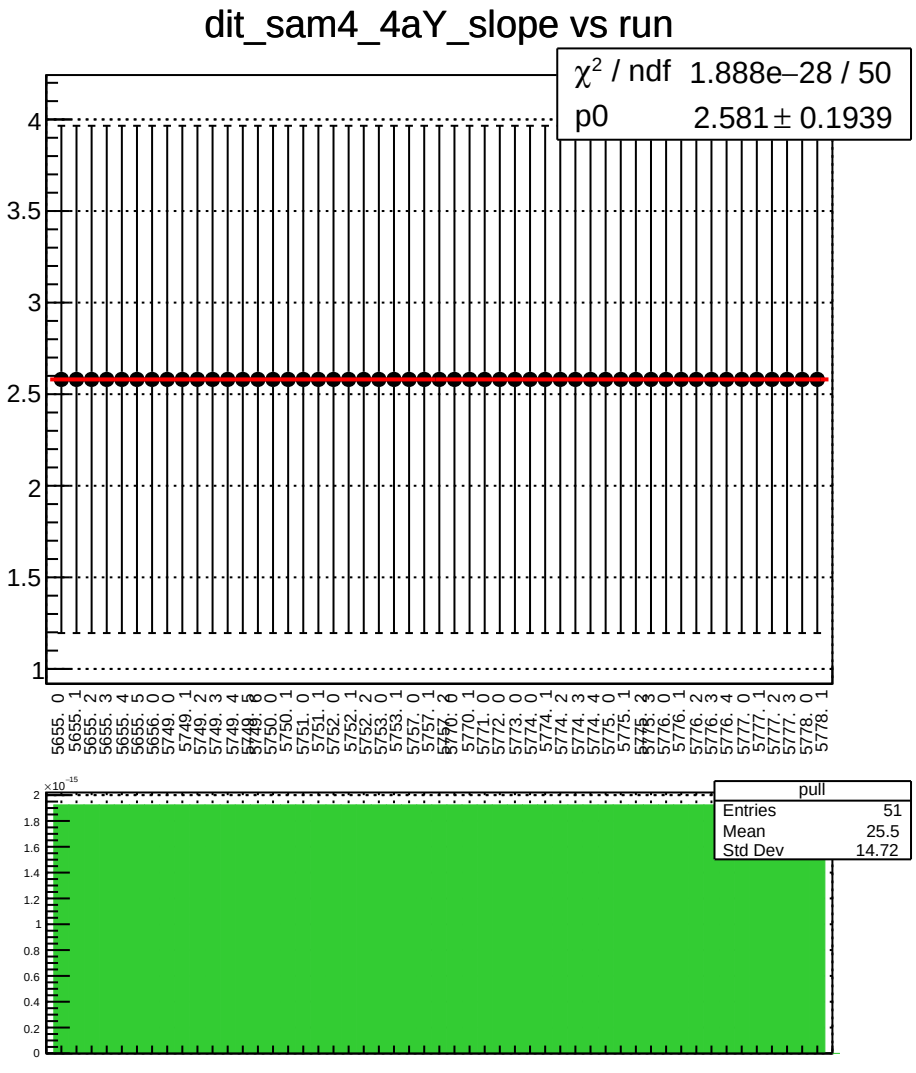

pull1D
Entries 51
Mean −7.296e−17
Std Dev 8.272e−25

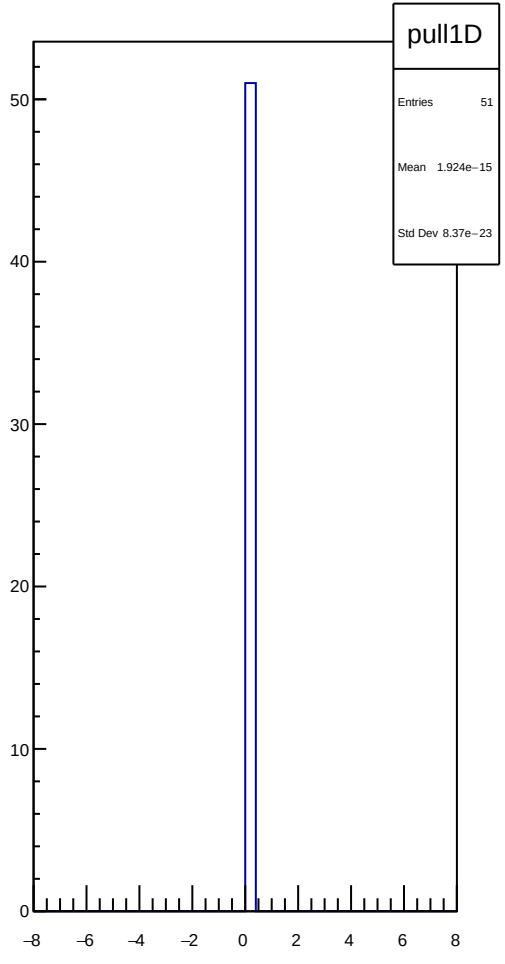

dit_sam4_4eX_slope vs run
χ² / ndf 1.162e−26 / 50
p0 −123.2 ± 0.5274
−119
−120
−121
−122
−123
−124
−125
−126
−127
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
14
12
10
8
6
4
2
0

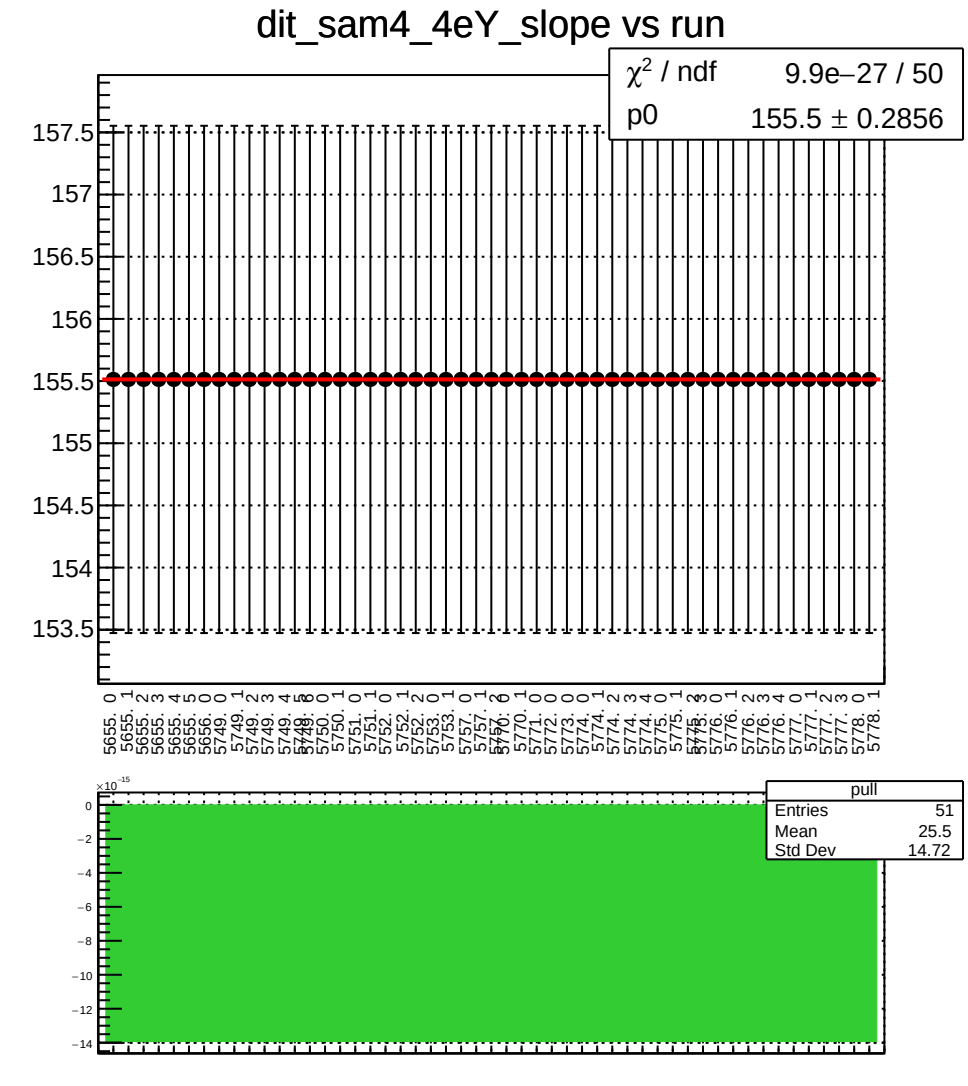

pull1D
Entries 51
Mean 1.509e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

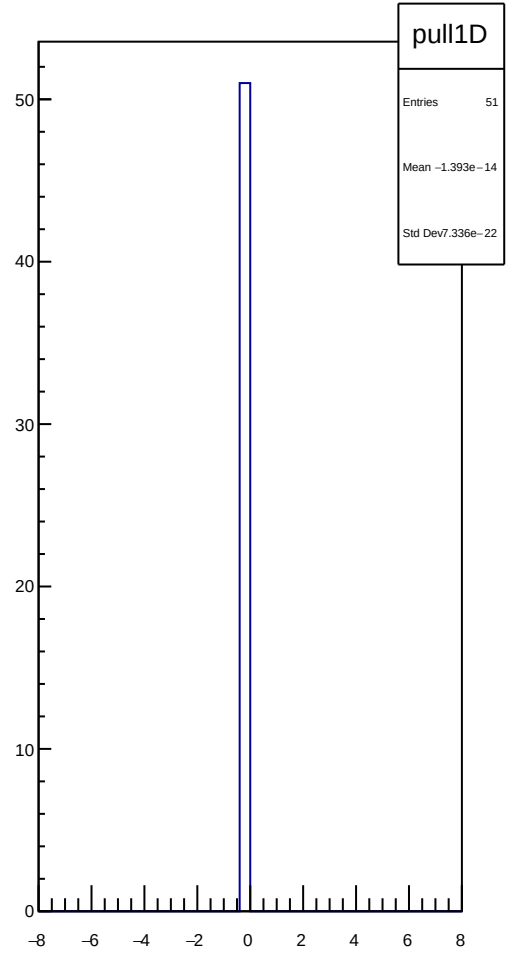

dit_sam4_11X12X_slope vs run
χ² / ndf 1.471e−28 / 50
p0 0.6541 ± 0.1007
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

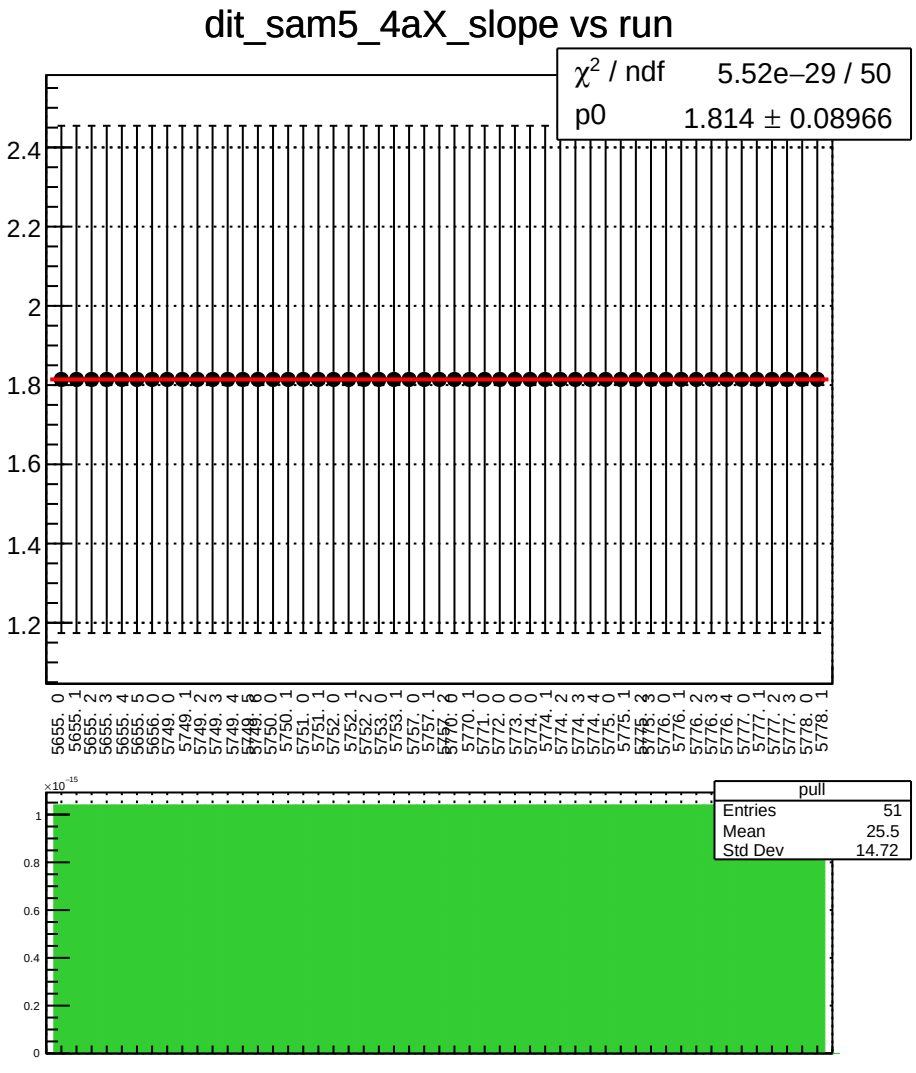

pull1D
Entries 51
Mean 1.698e−15
Std Dev 8.577e−23

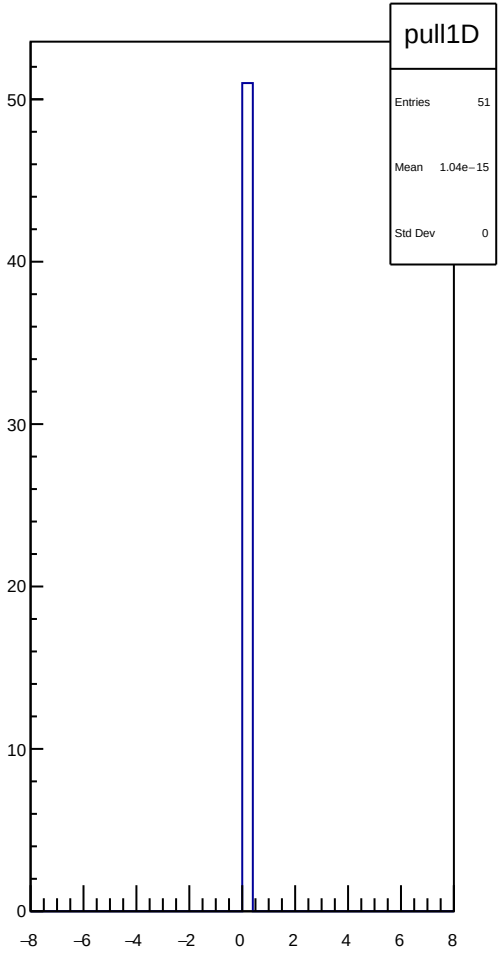

dit_sam4_4aY_slope vs run
χ² / ndf 1.888e−28 / 50
p0 2.581 ± 0.1939
pull
Entries 51
Mean 25.5
Std Dev 14.72

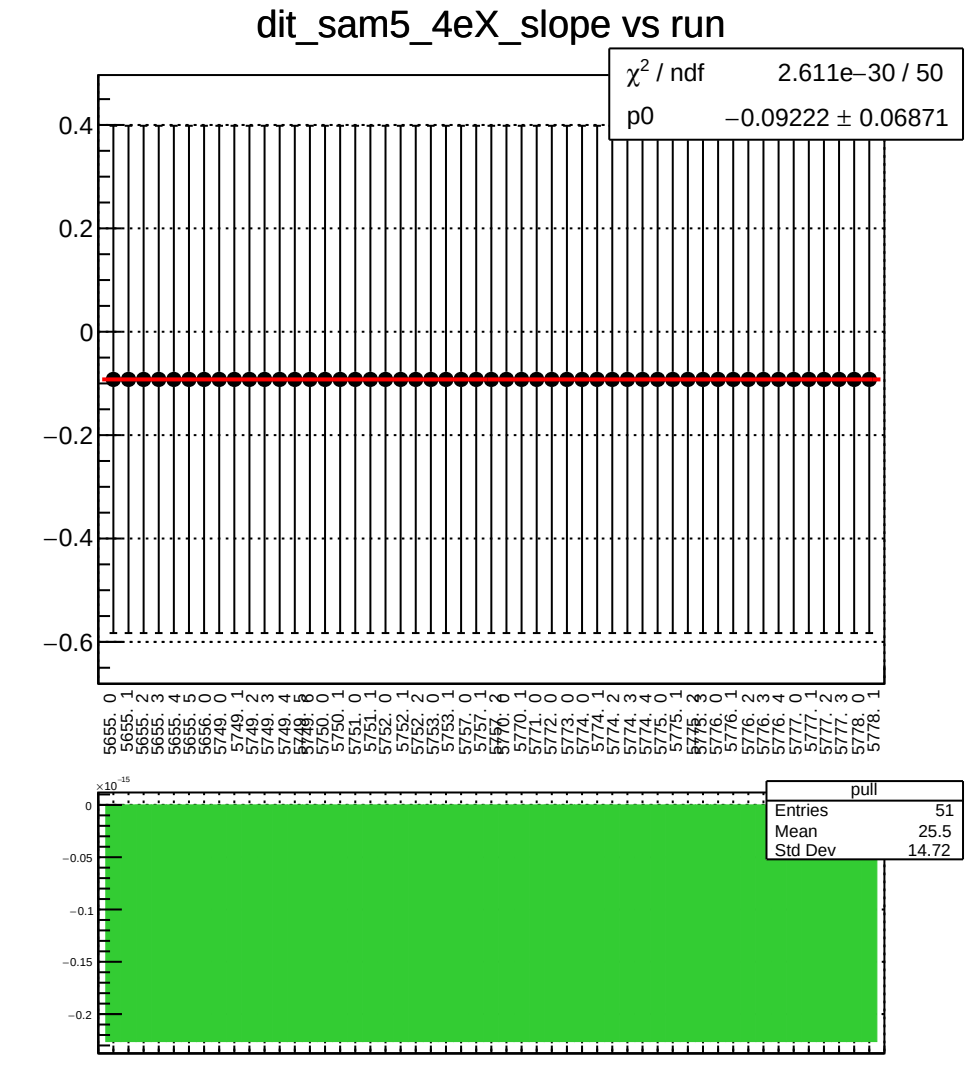

pull1D
Entries 51
Mean 1.924e−15
Std Dev 8.37e−23

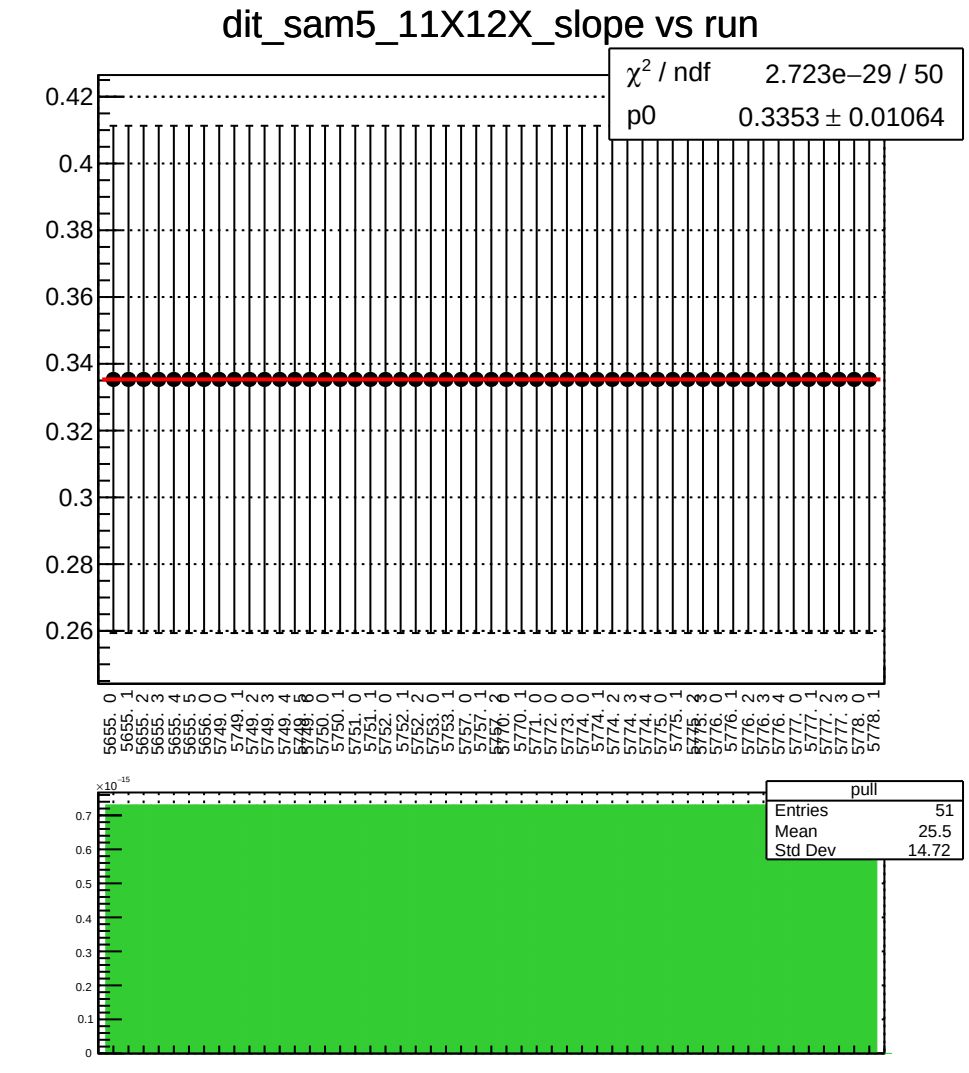

dit_sam4_4eY_slope vs run
χ² / ndf 9.9e−27 / 50
p0 155.5 ± 0.2856
157.5
157
156.5
156
155.5
155
154.5
154
153.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

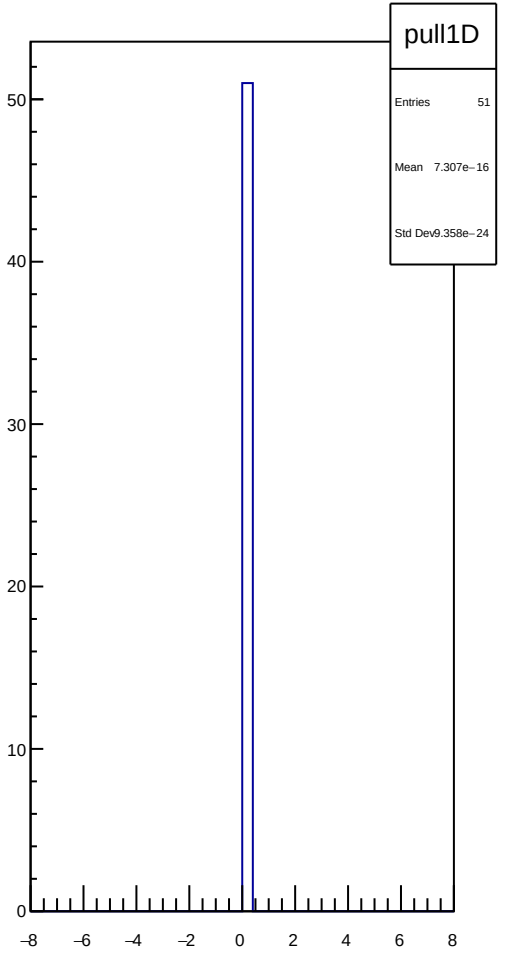

pull1D
Entries 51
Mean −1.393e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

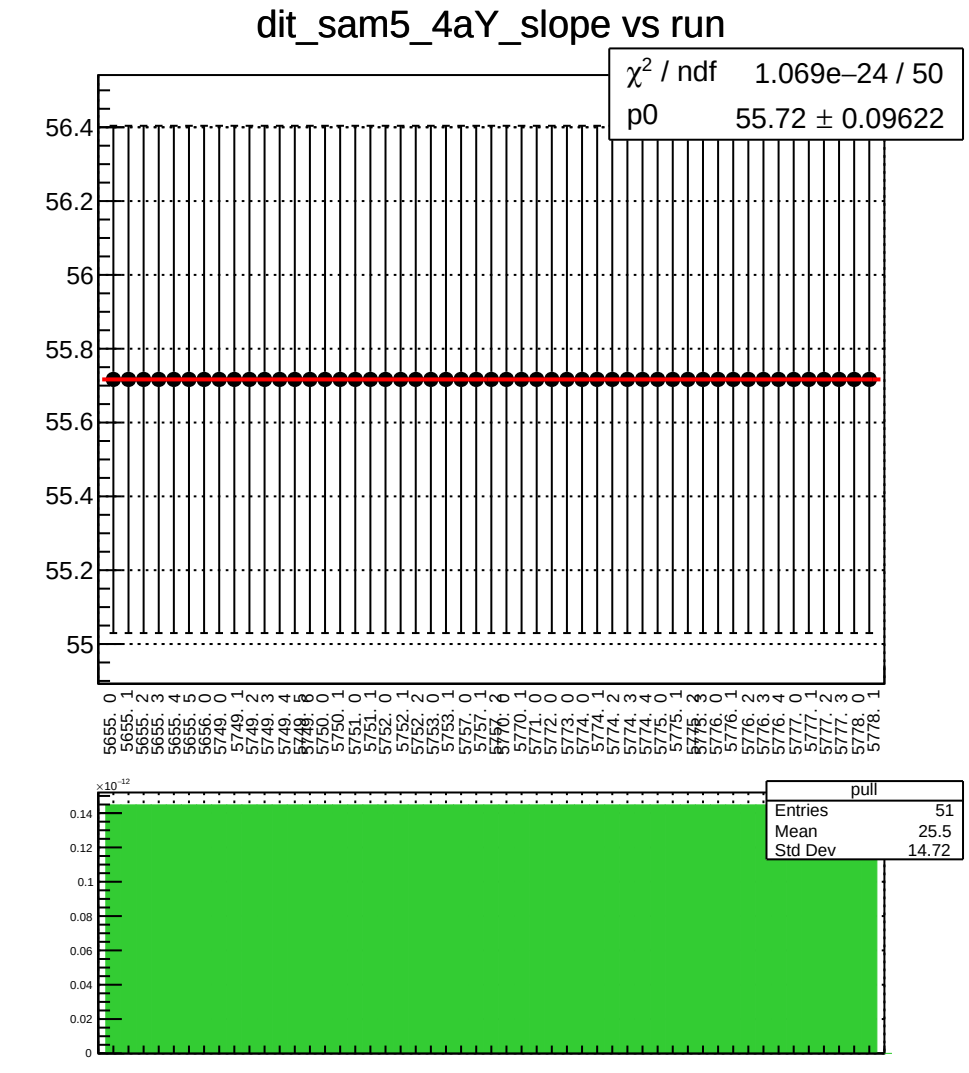

dit_sam5_4aX_slope vs run
χ² / ndf 5.52e−29 / 50
p0 1.814 ± 0.08966
pull
Entries 51
Mean 25.5
Std Dev 14.72

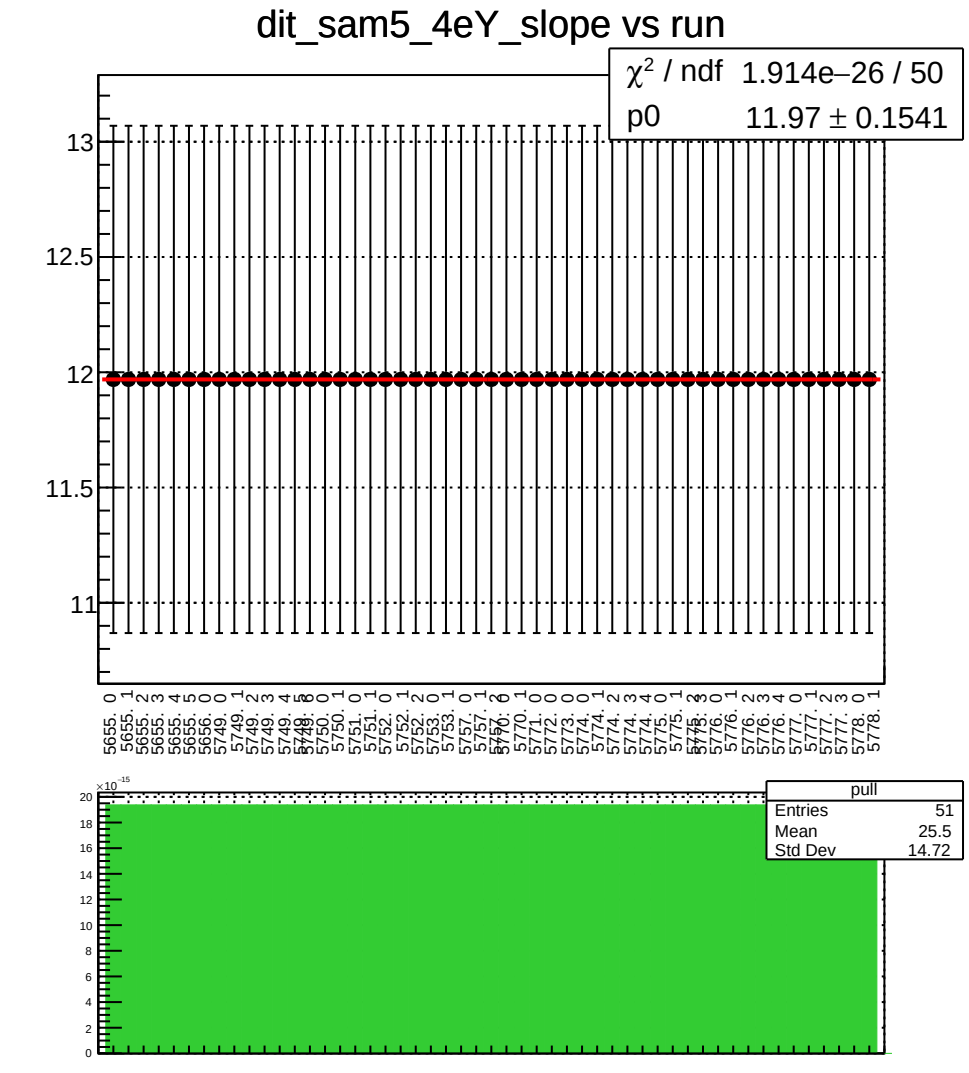

pull1D
Entries 51
Mean 1.04e−15
Std Dev 0

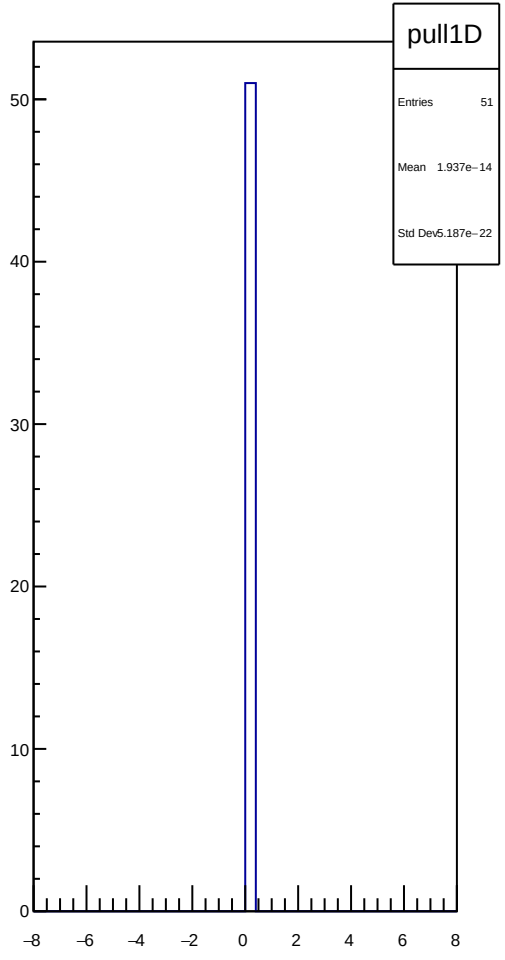

dit_sam5_4eX_slope vs run
χ² / ndf 2.611e−30 / 50
p0 −0.09222 ± 0.06871
0.4
0.2
0
−0.2
−0.4
−0.6
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

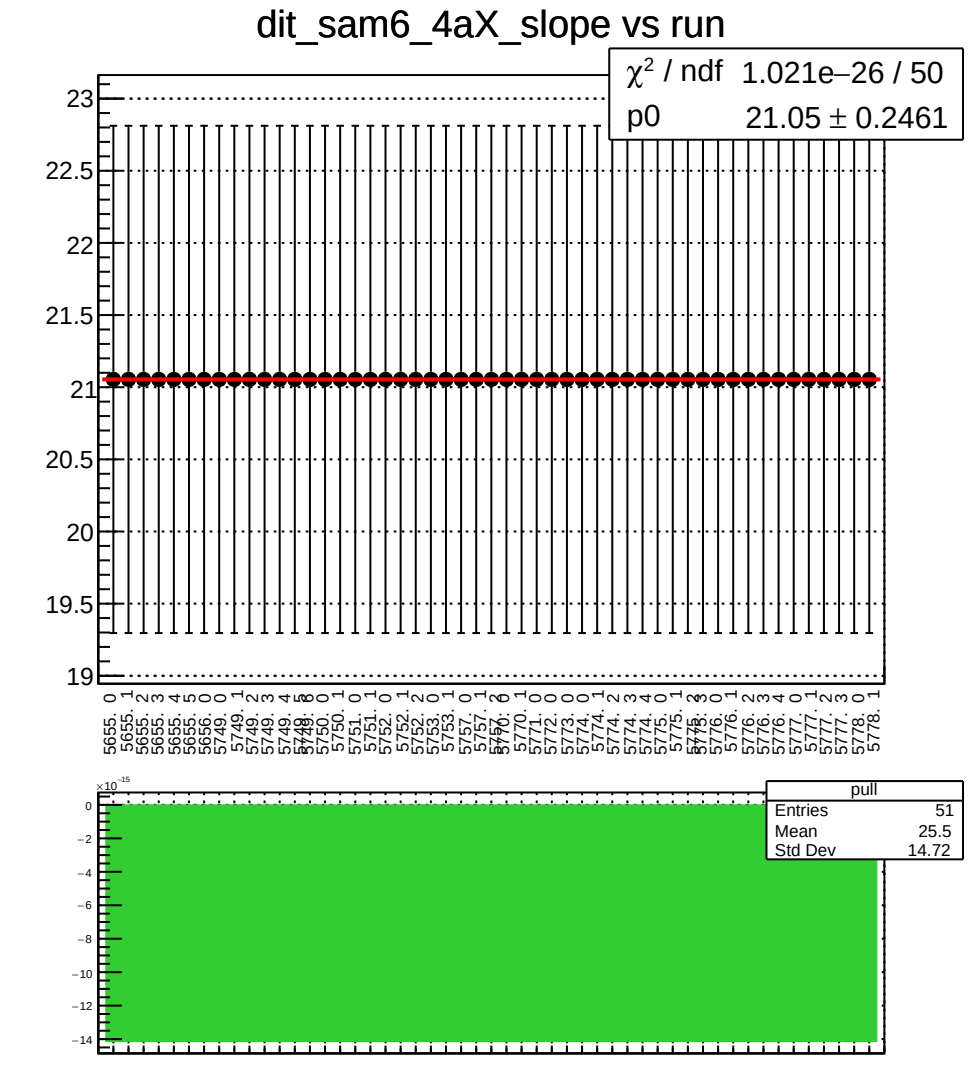

dit_sam5_11X12X_slope vs run
χ² / ndf 2.723e−29 / 50
p0 0.3353 ± 0.01064
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

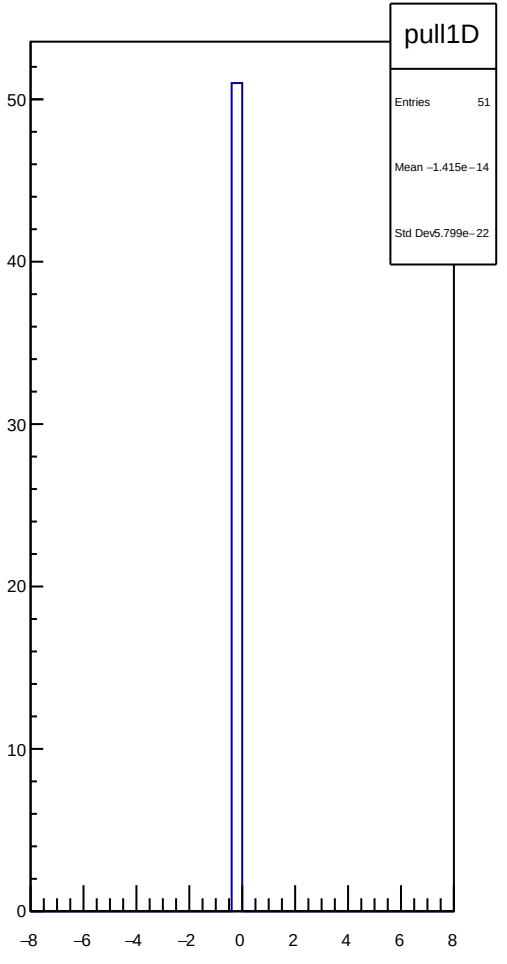

pull1D
Entries 51
Mean 7.307e−16
Std Dev 9.358e−24
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

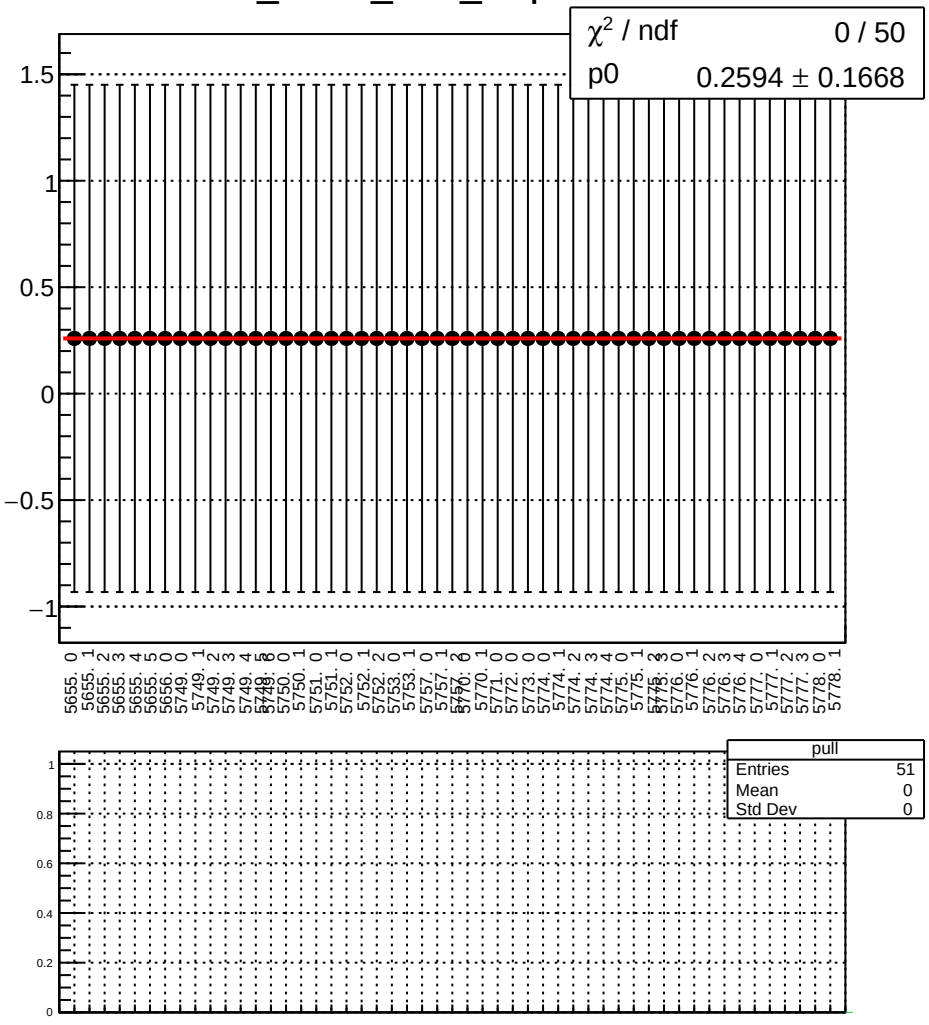

dit_sam5_4aY_slope vs run
χ² / ndf 1.069e−24 / 50
p0 55.72 ± 0.09622
pull
Entries 51
Mean 25.5
Std Dev 14.72
pull1D
Entries 51
Mean 1.448e−13
Std Dev 4.15e−21

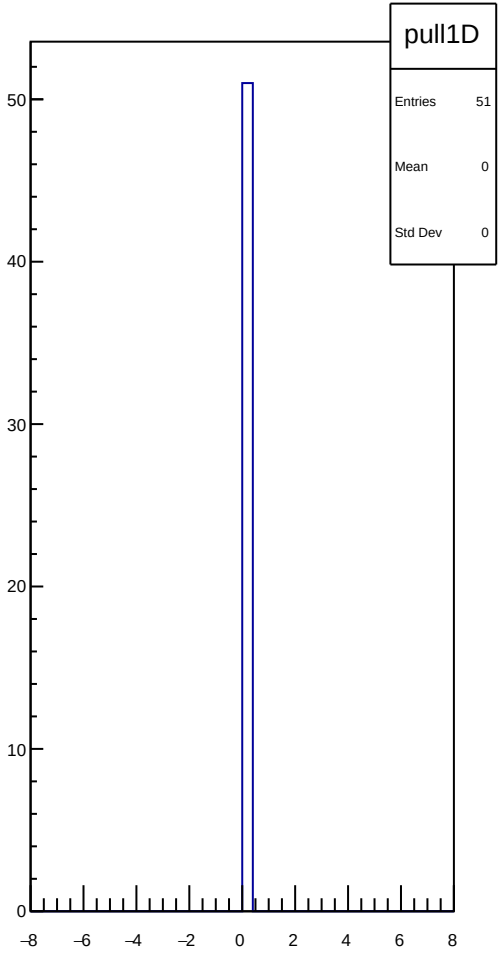

dit_sam5_4eY_slope vs run
χ² / ndf 1.914e−26 / 50
p0 11.97 ± 0.1541
13
12.5
12
11.5
11
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

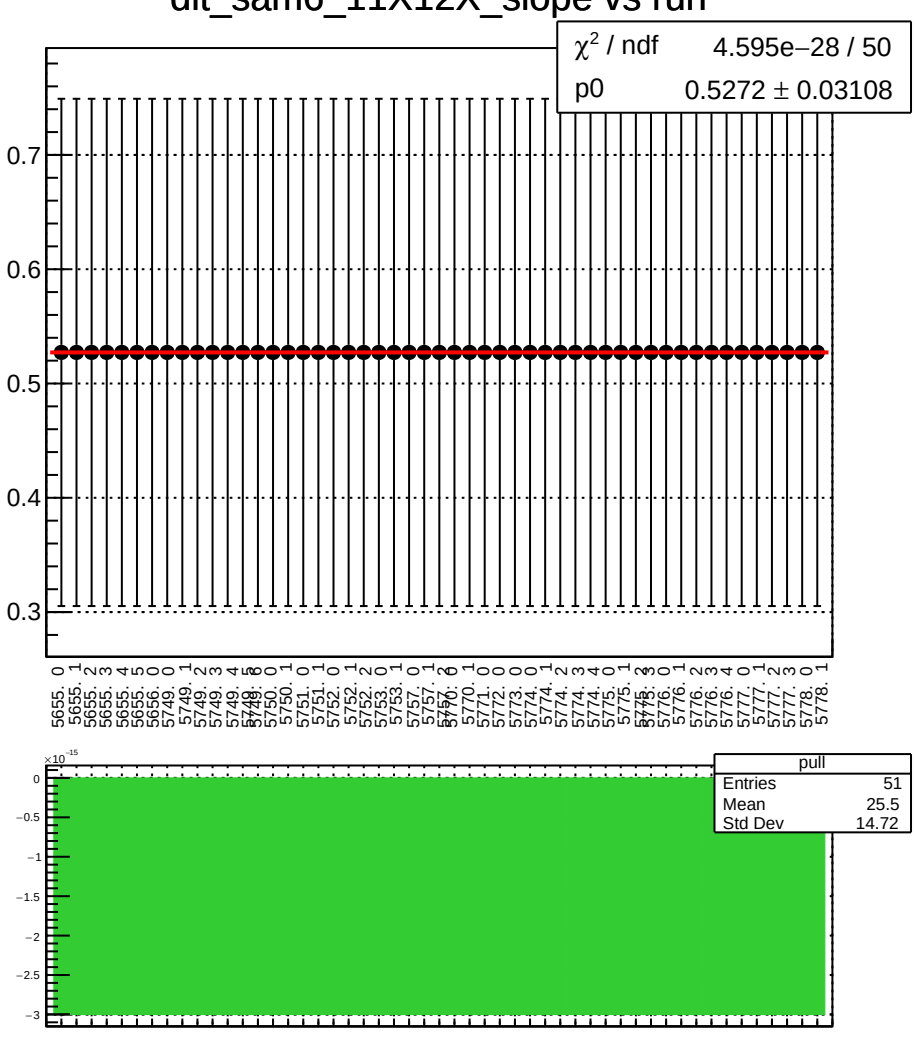

pull1D
Entries 51
Mean 1.937e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

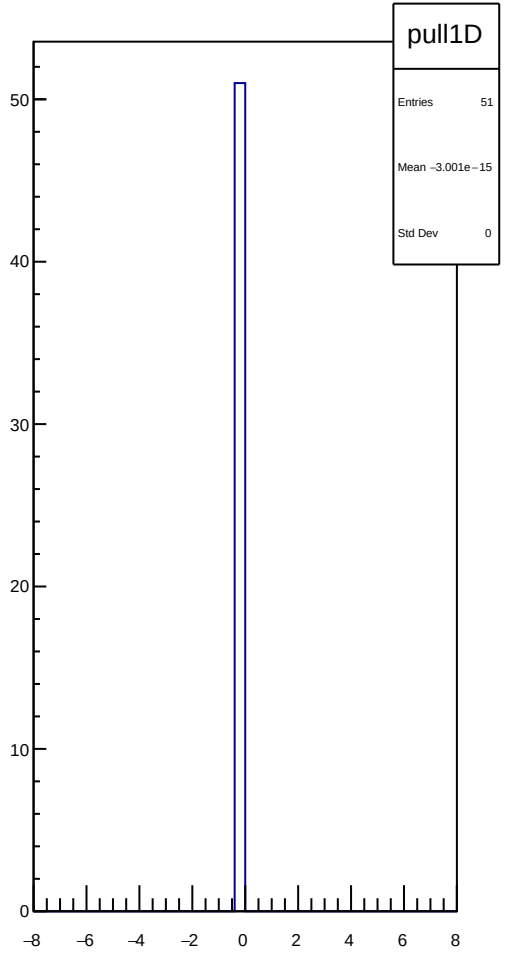

dit_sam6_4aX_slope vs run
χ² / ndf 1.021e−26 / 50
p0 21.05 ± 0.2461
pull
Entries 51
Mean 25.5
Std Dev 14.72

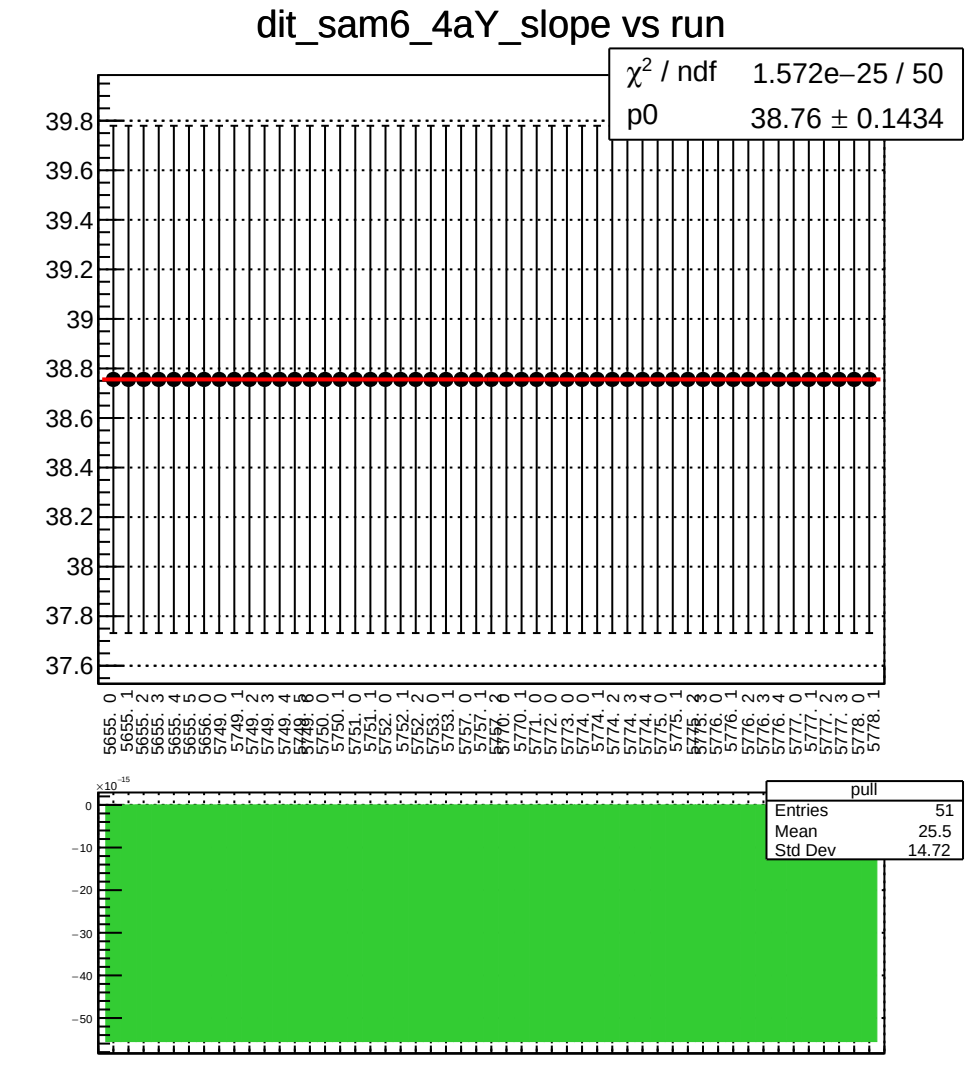

pull1D
Entries 51
Mean −1.415e−14
Std Dev 5.799e−22

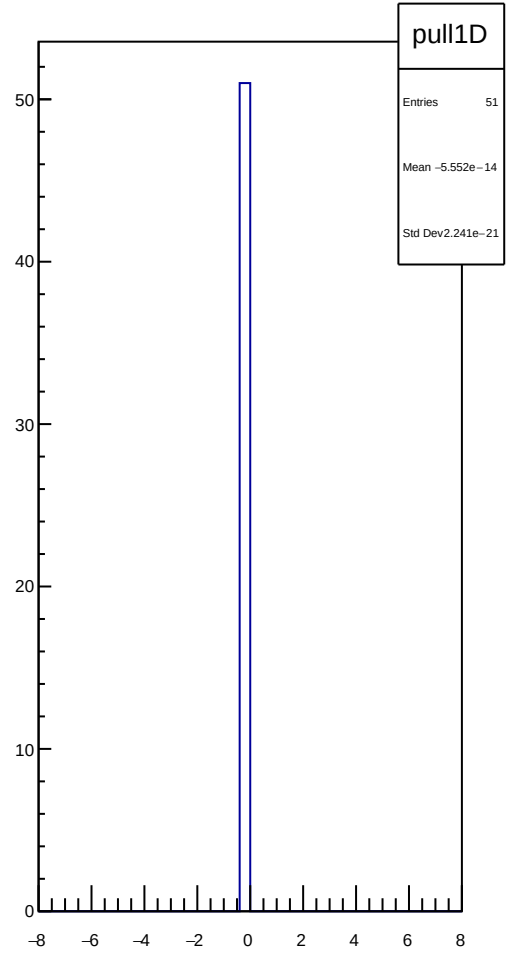

dit_sam6_4eX_slope vs run
χ² / ndf 0 / 50
p0 0.2594 ± 0.1668
pull
Entries 51
Mean 0
Std Dev 0

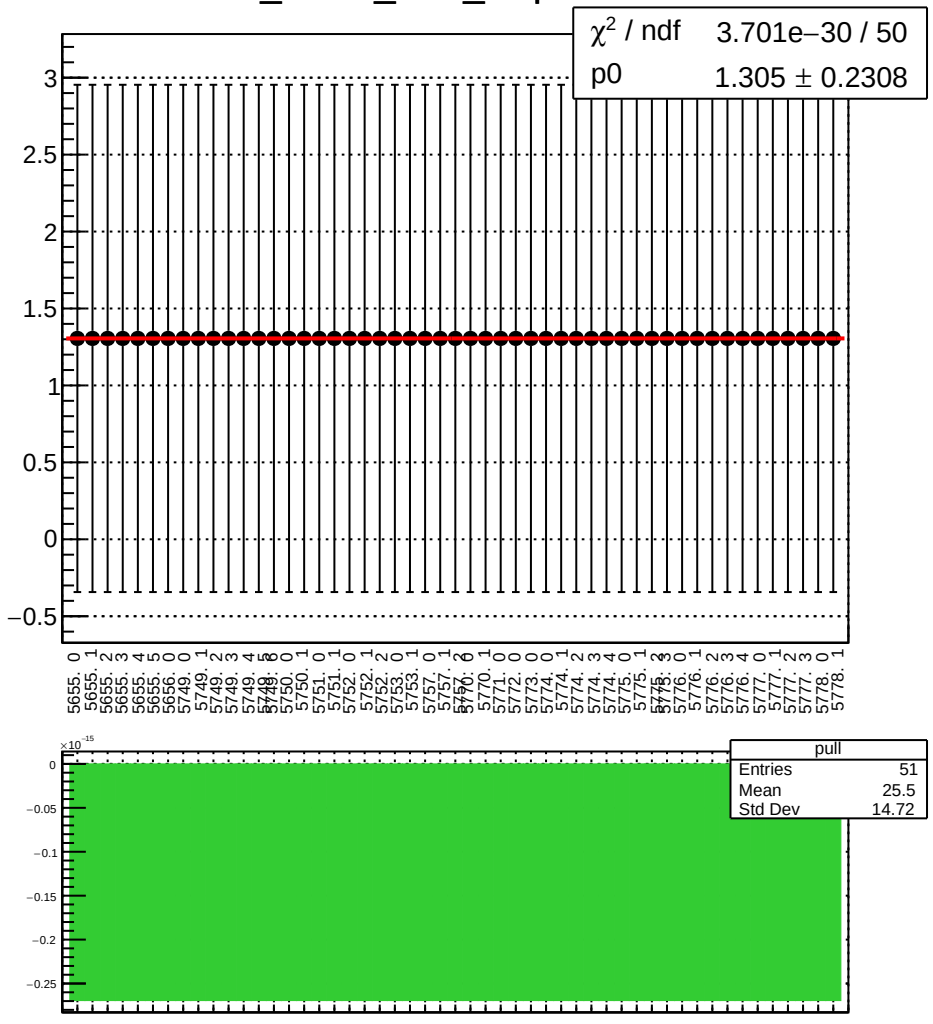

pull1D
Entries 51
Mean 0
Std Dev 0

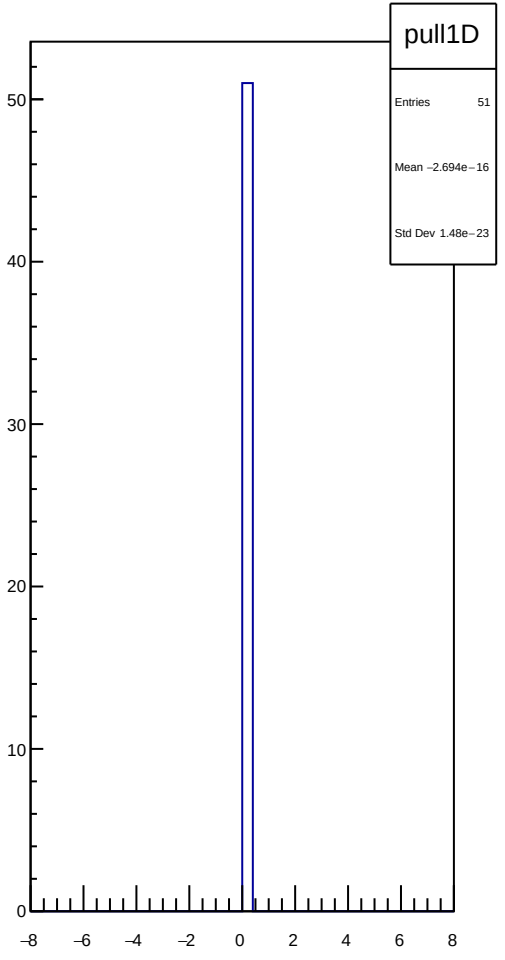

dit_sam6_11X12X_slope vs run
χ² / ndf 4.595e−28 / 50
p0 0.5272 ± 0.03108
0.7
0.6
0.5
0.4
0.3
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

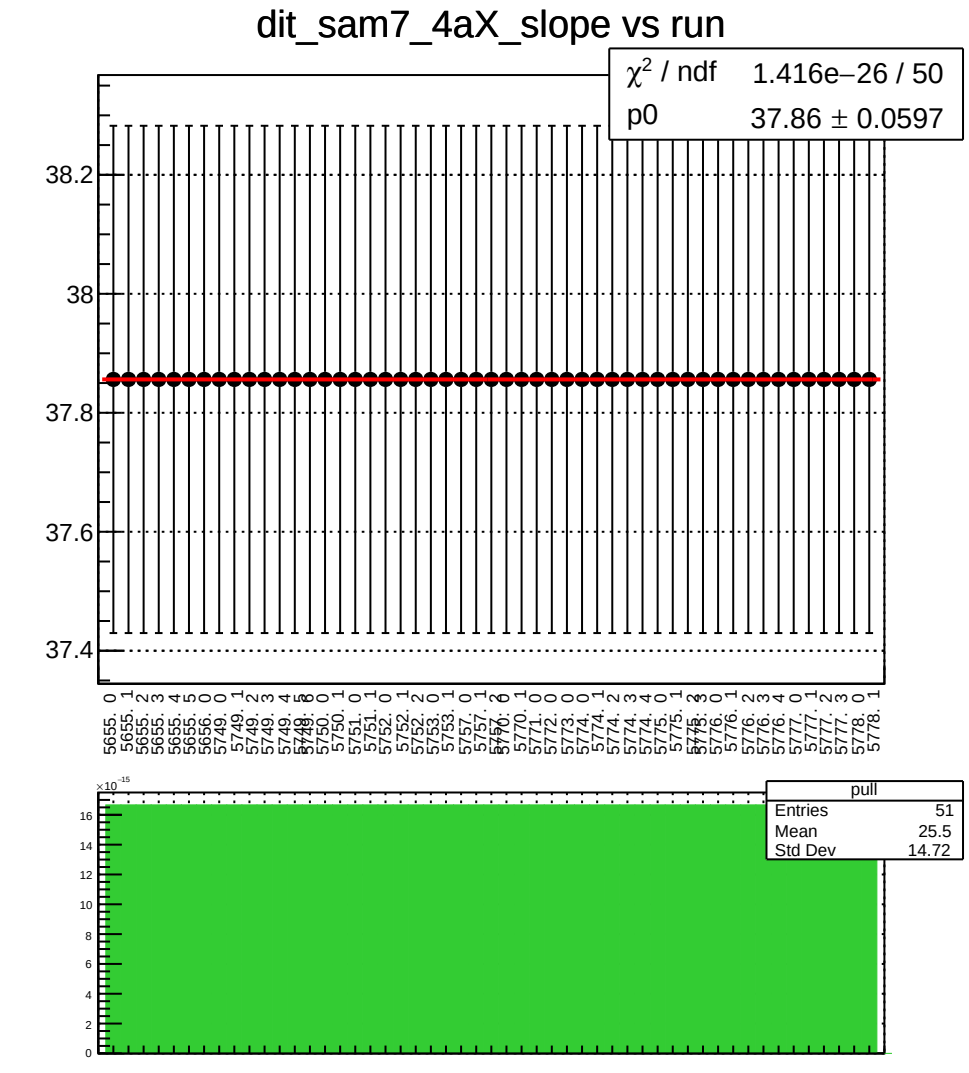

pull1D
Entries 51
Mean −3.001e−15
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

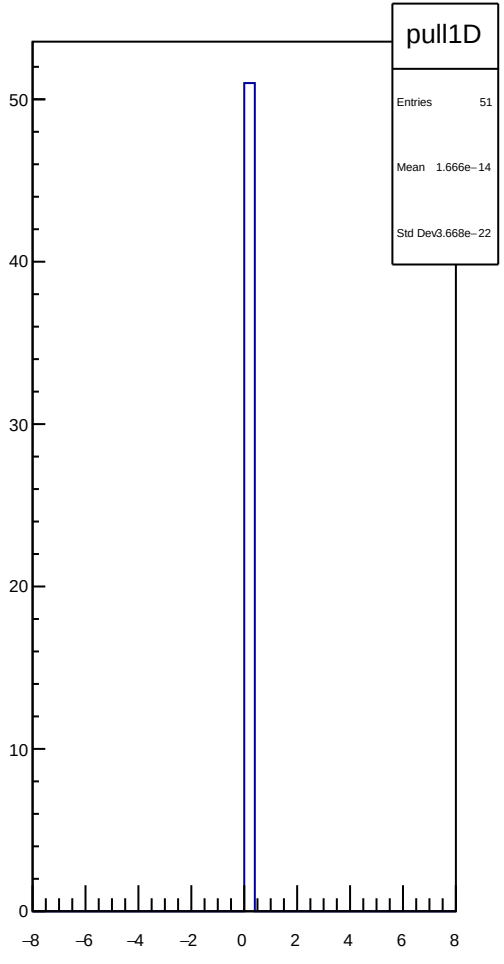

dit_sam6_4aY_slope vs run
χ² / ndf 1.572e−25 / 50
p0 38.76 ± 0.1434
pull
Entries 51
Mean 25.5
Std Dev 14.72

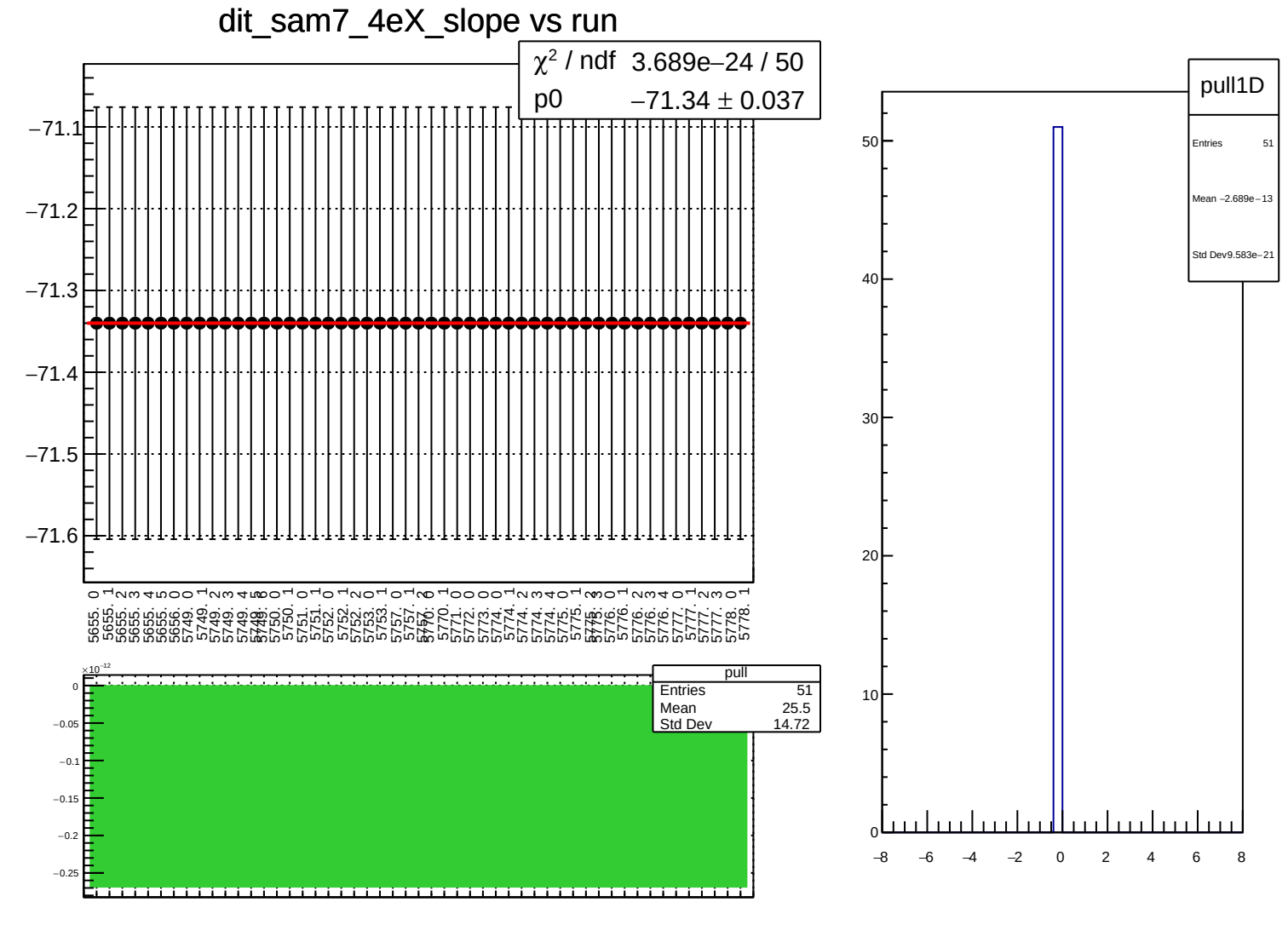

pull1D
Entries 51
Mean −5.552e−14
Std Dev2.241e−21

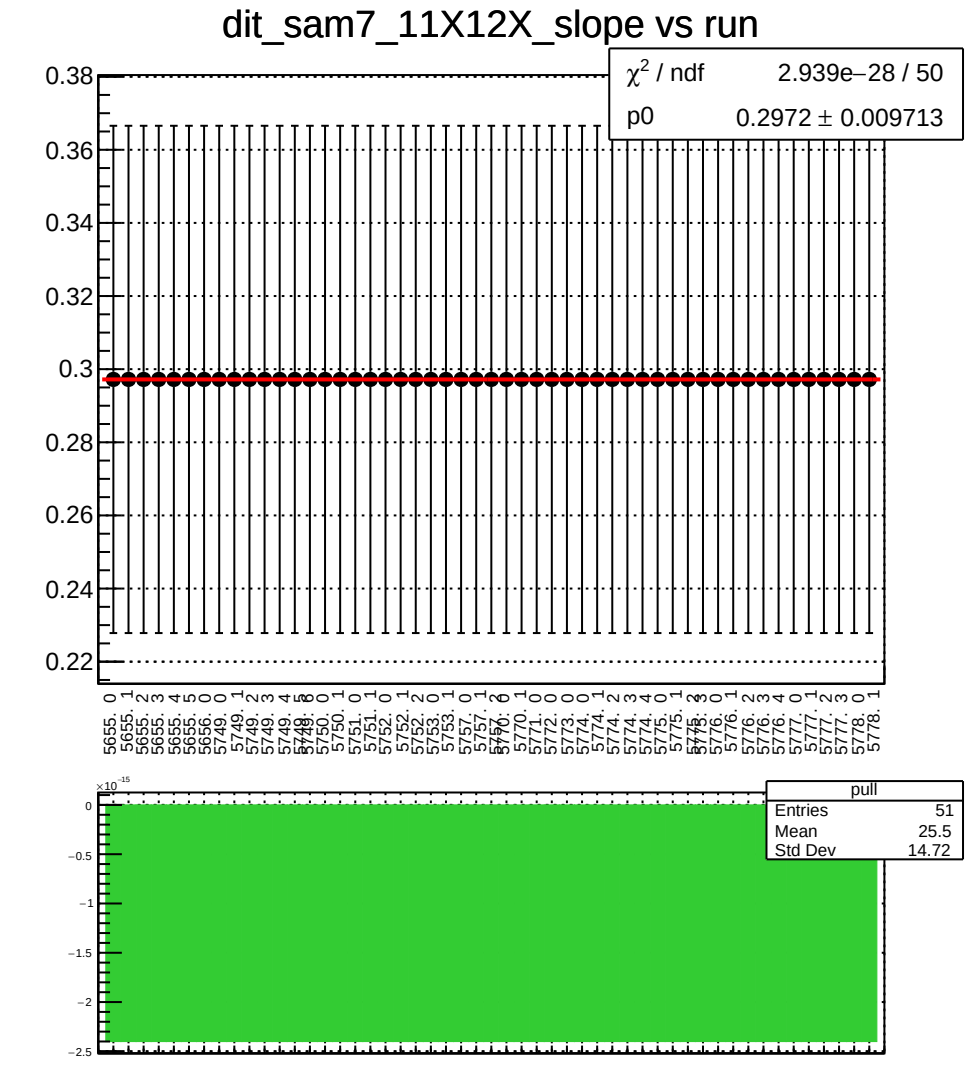

dit_sam6_4eY_slope vs run
χ² / ndf 3.701e−30 / 50
p0 1.305 ± 0.2308
pull
Entries 51
Mean 25.5
Std Dev 14.72

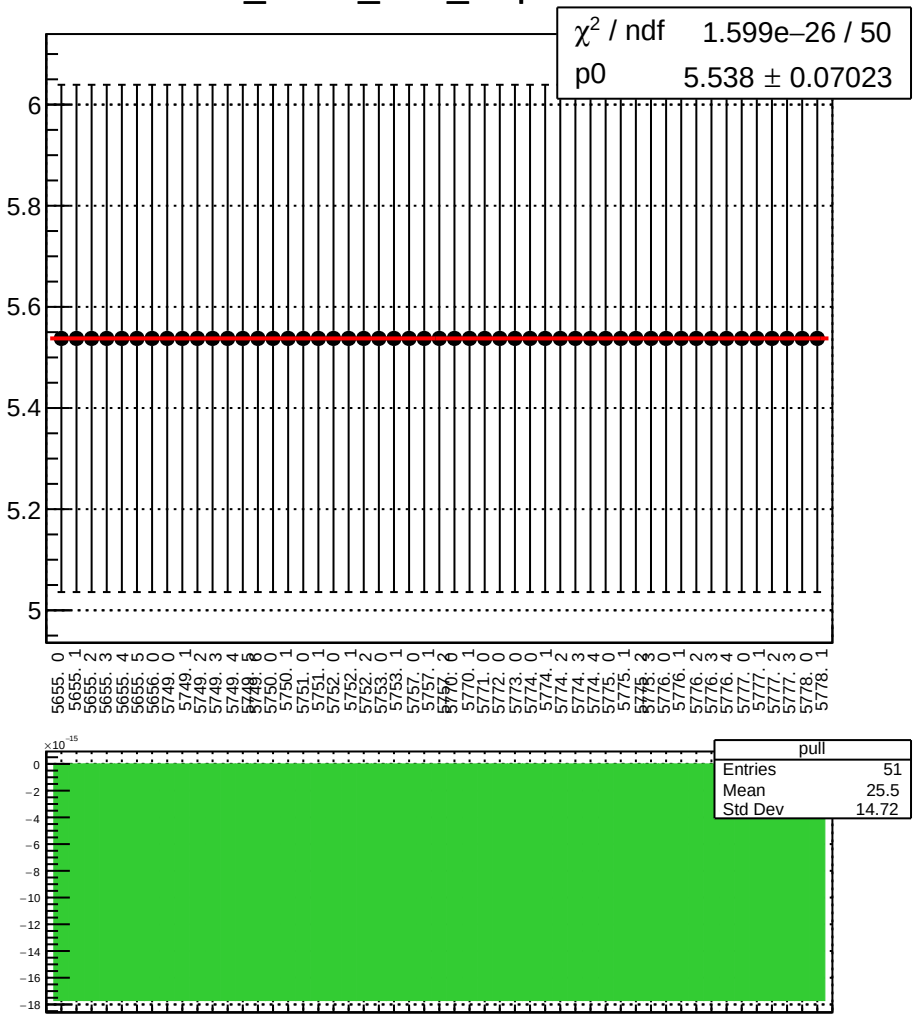

pull1D
Entries 51
Mean −2.694e−16
Std Dev 1.48e−23

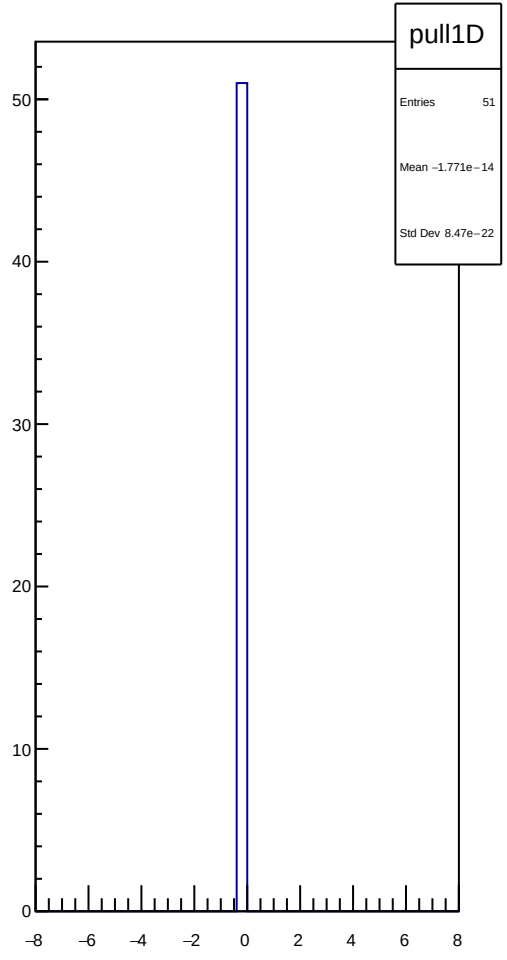

dit_sam7_4aX_slope vs run
χ² / ndf 1.416e−26 / 50
p0 37.86 ± 0.0597
38.2
38
37.8
37.6
37.4
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

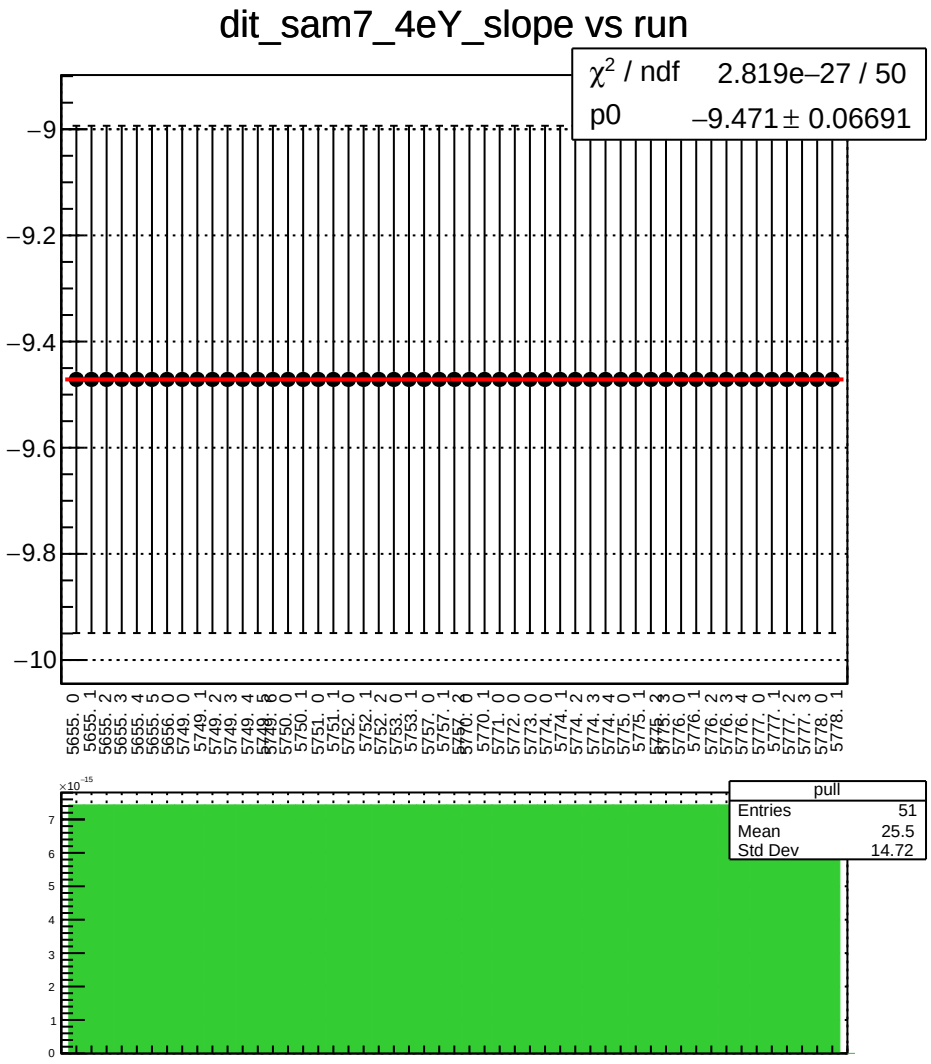

pull1D
Entries 51
Mean 1.666e−14
Std Dev 3.668e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

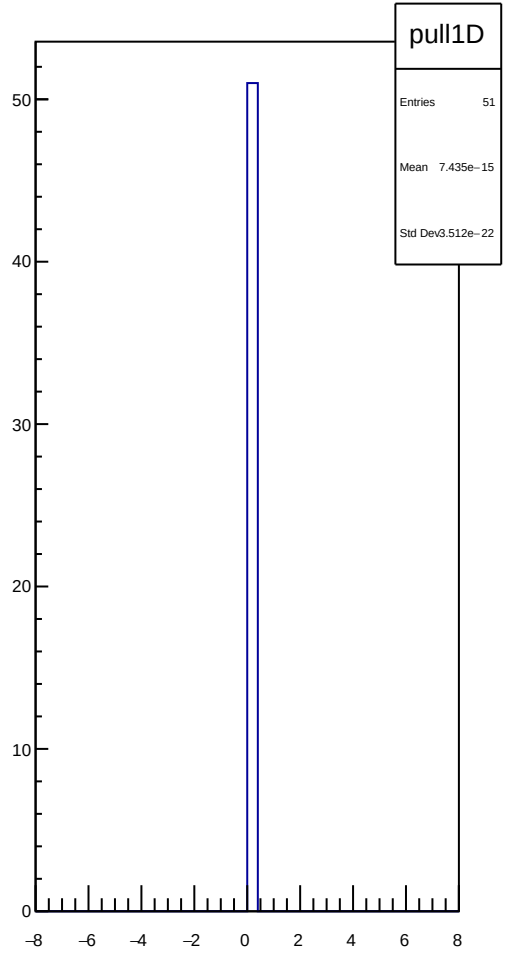

dit_sam7_4eX_slope vs run
χ² / ndf 3.689e−24 / 50
p0 −71.34 ± 0.037
−71.1
−71.2
−71.3
−71.4
−71.5
−71.6
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 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

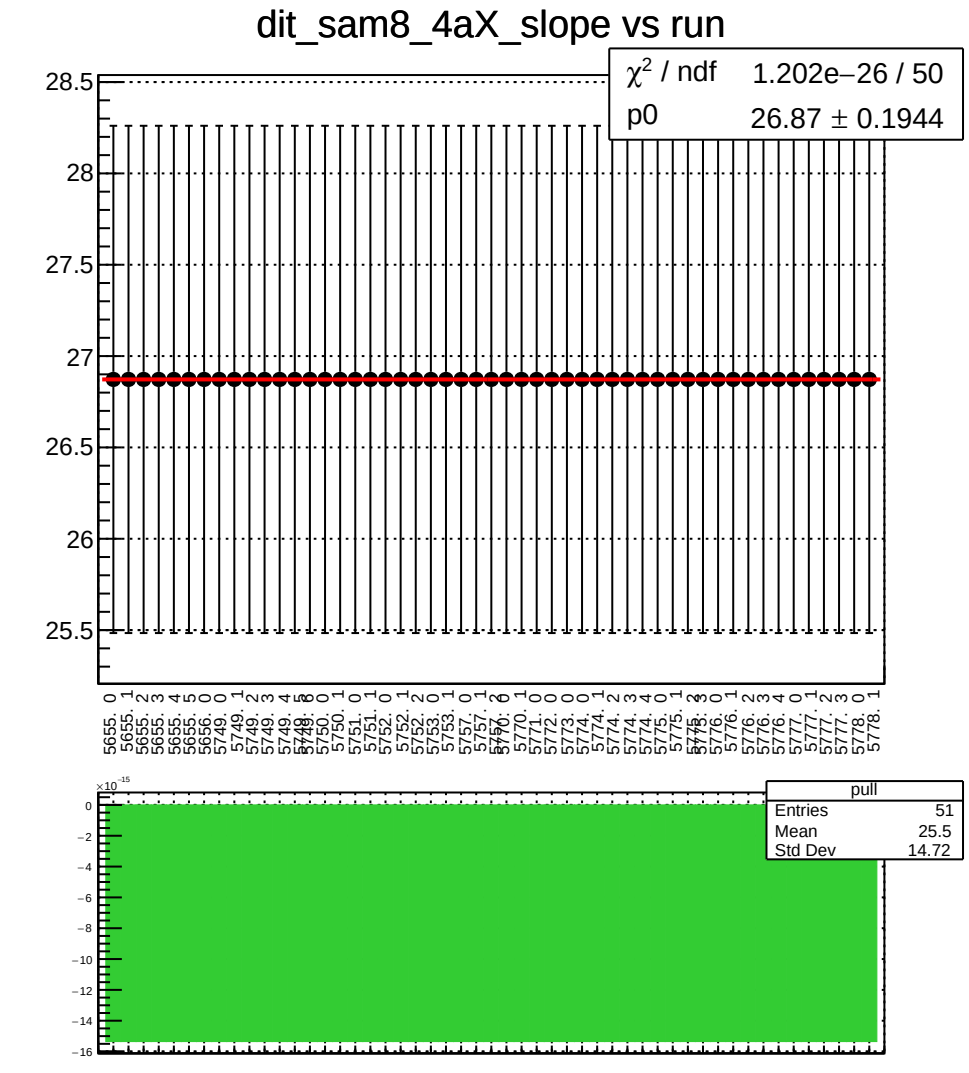

dit_sam7_11X12X_slope vs run
χ² / ndf 2.939e−28 / 50
p0 0.2972 ± 0.009713
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
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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

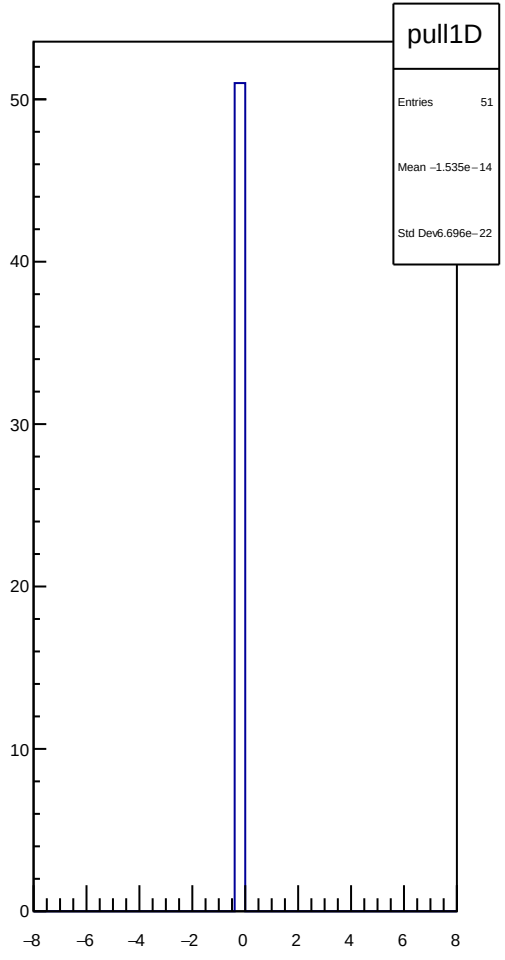

dit_sam7_4aY_slope vs run
χ² / ndf 1.599e−26 / 50
p0 5.538 ± 0.07023
pull
Entries 51
Mean 25.5
Std Dev 14.72

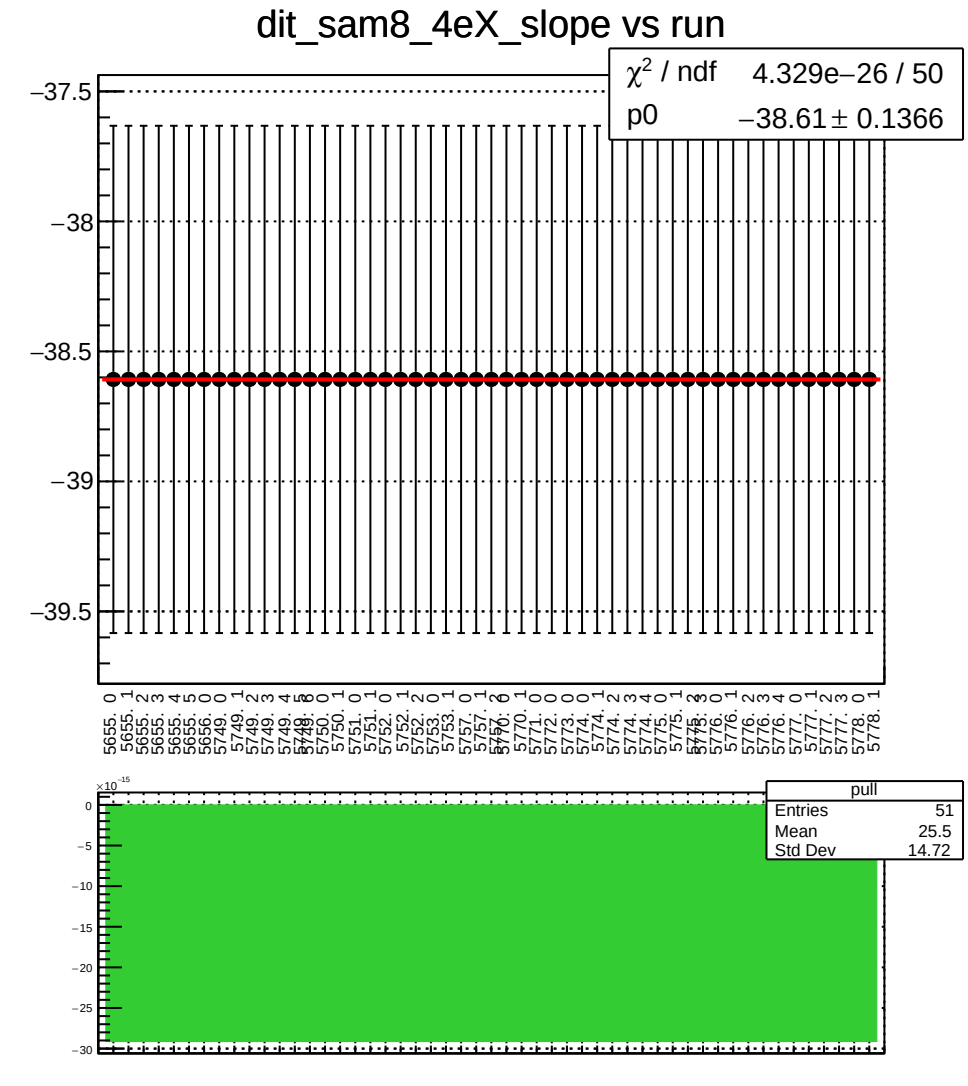

pull1D
Entries 51
Mean −1.771e−14
Std Dev 8.47e−22

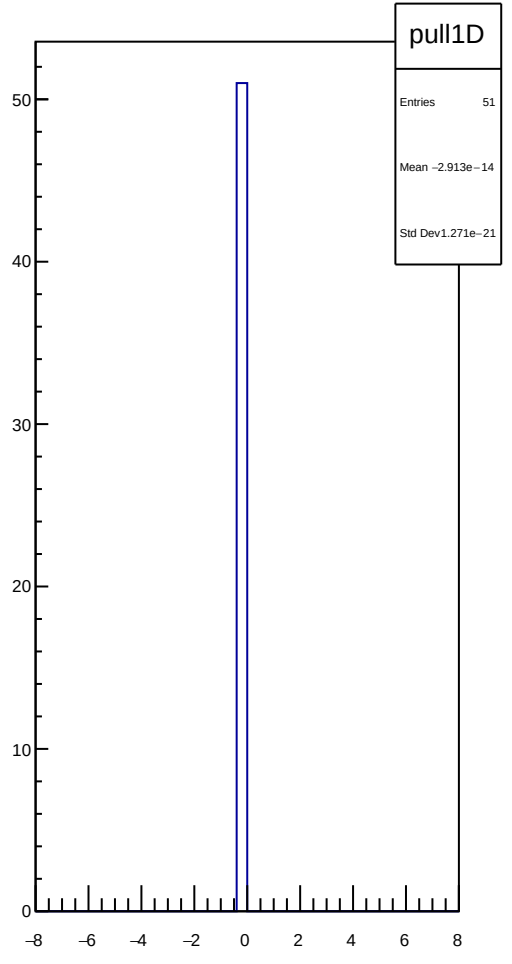

dit_sam7_4eY_slope vs run
χ² / ndf 2.819e−27 / 50
p0 −9.471 ± 0.06691
−9
−9.2
−9.4
−9.6
−9.8
−10
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵

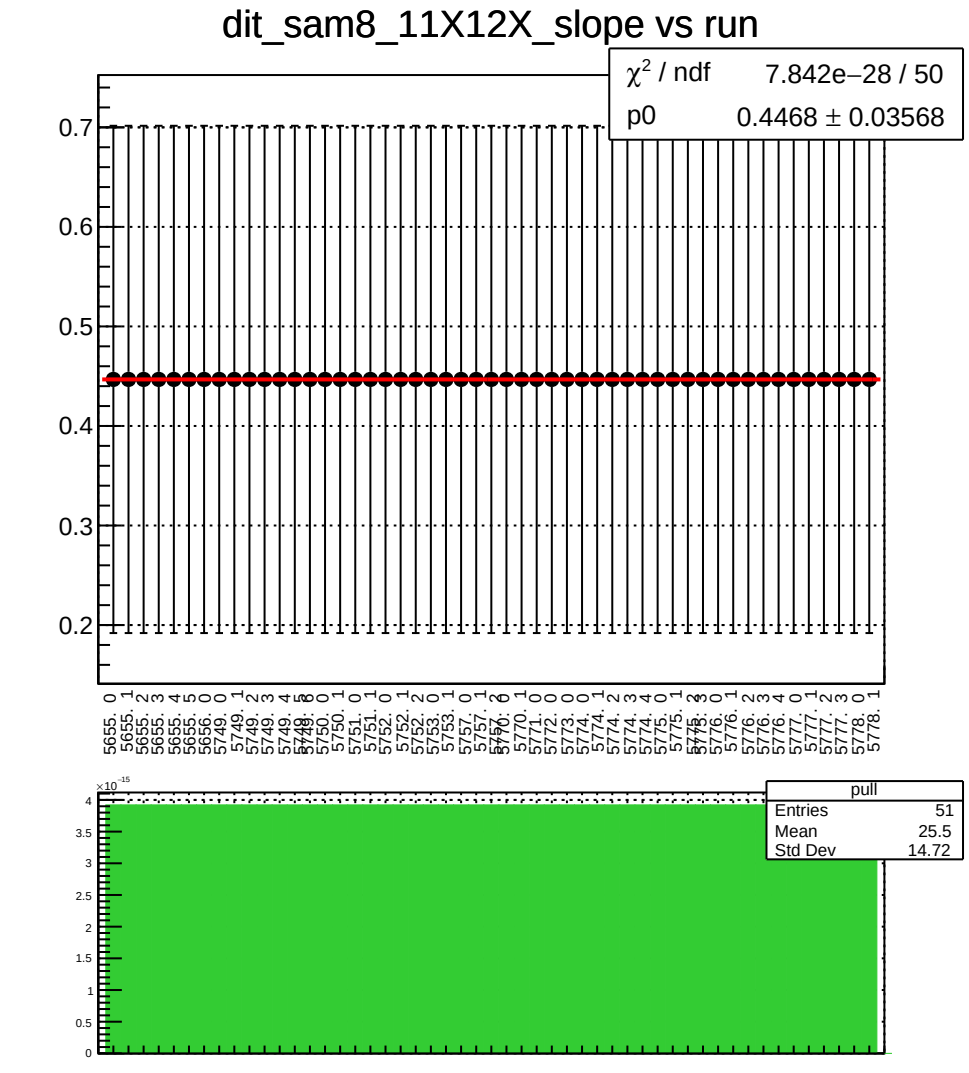

pull1D
Entries 51
Mean 7.435e−15
Std Dev3.512e−22

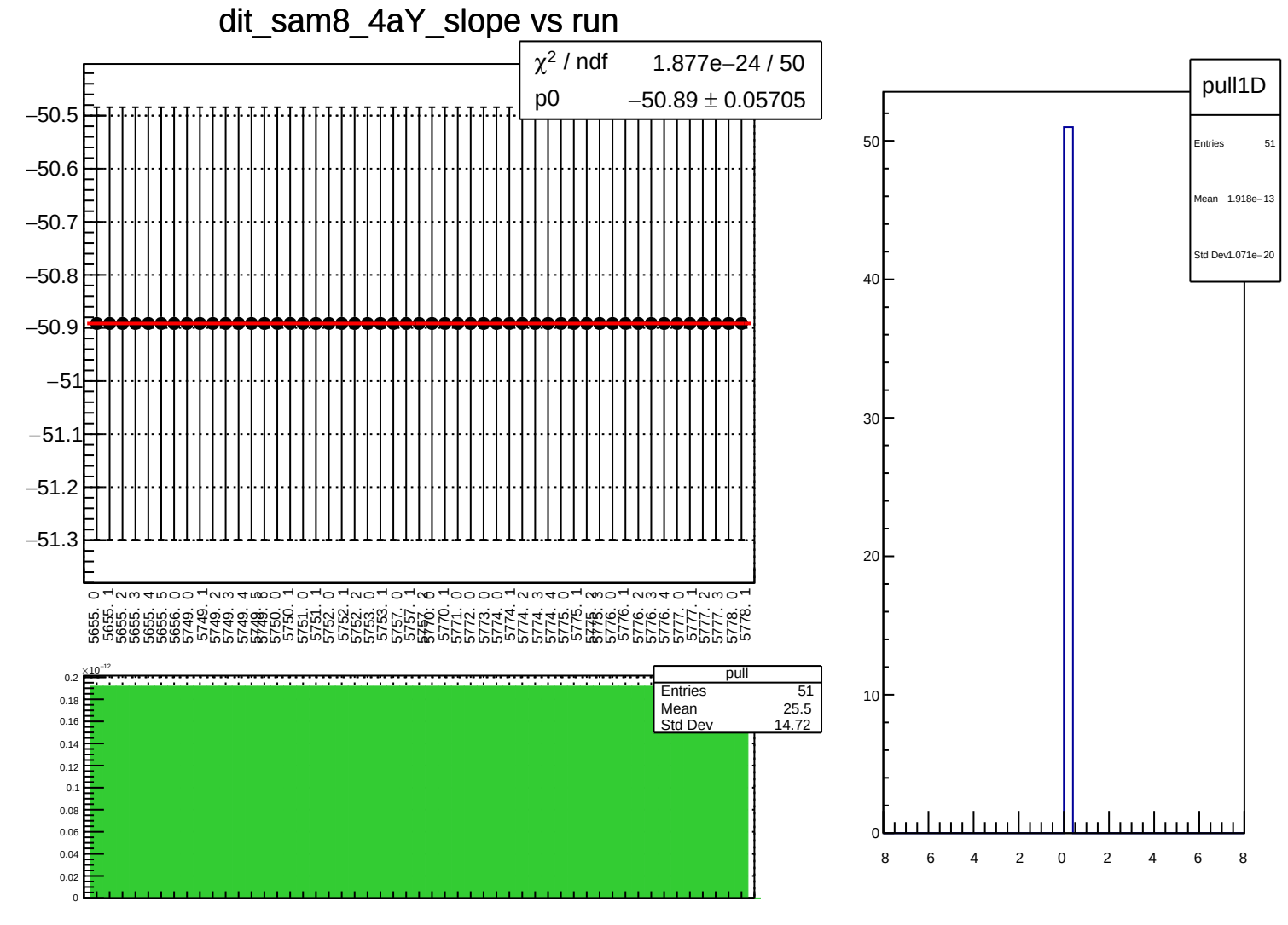

dit_sam8_4aX_slope vs run
χ² / ndf 1.202e−26 / 50
p0 26.87 ± 0.1944
28.5
28
27.5
27
26.5
26
25.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

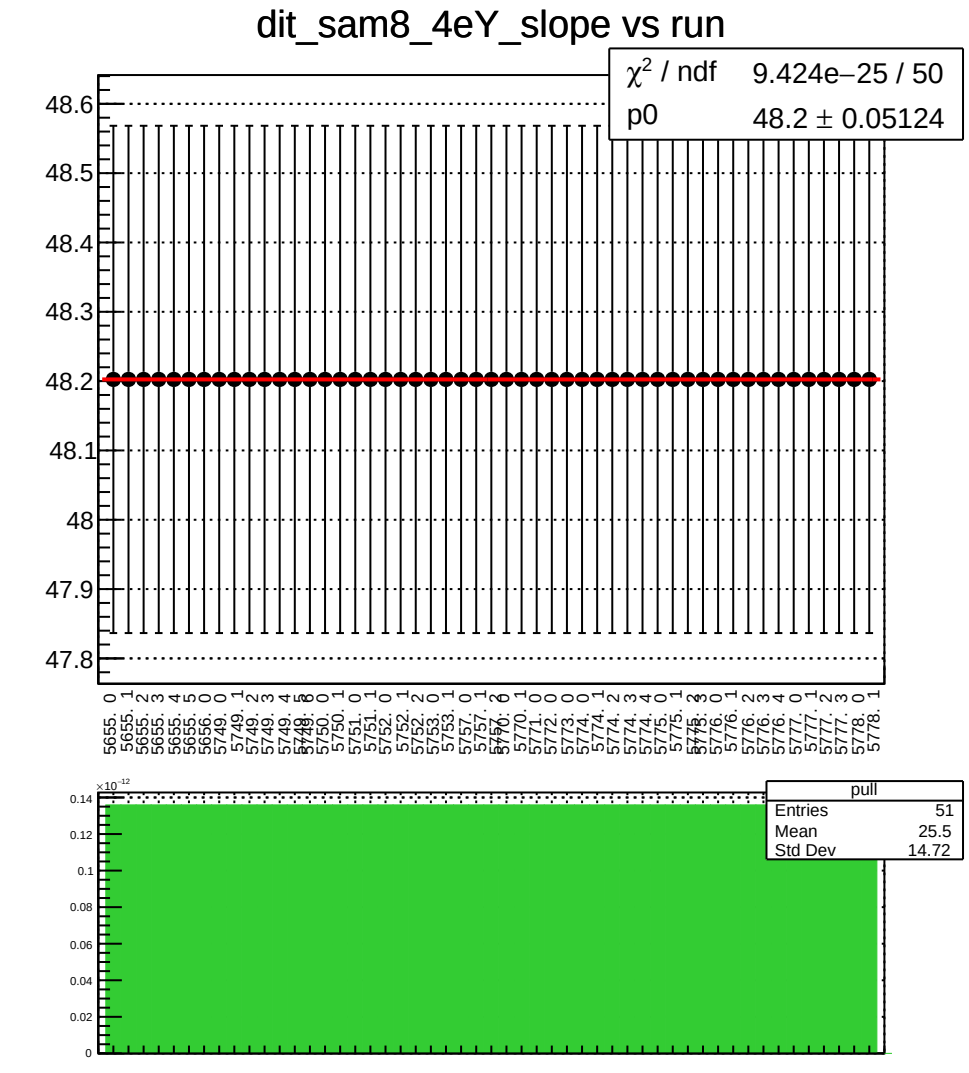

pull1D
Entries 51
Mean −1.535e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

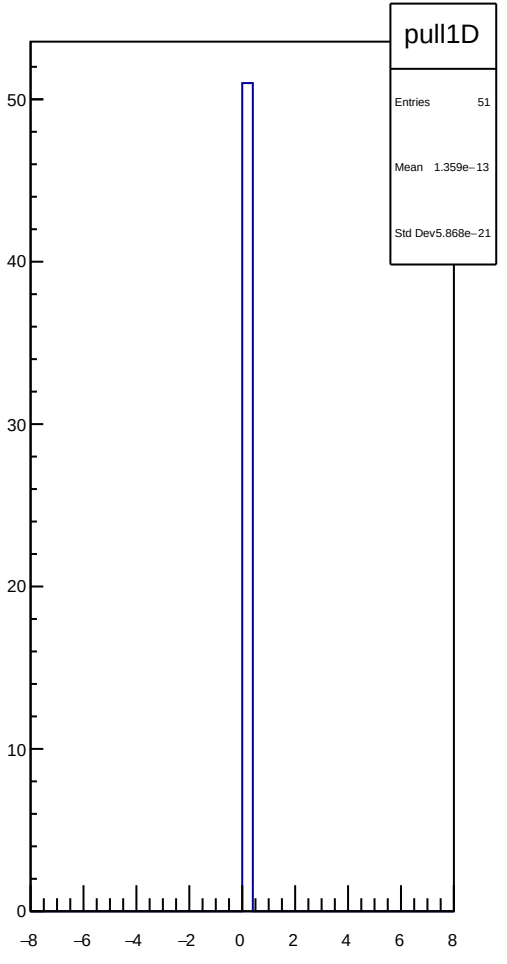

dit_sam8_4eX_slope vs run
χ² / ndf 4.329e−26 / 50
p0 −38.61 ± 0.1366
−37.5
−38
−38.5
−39
−39.5
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

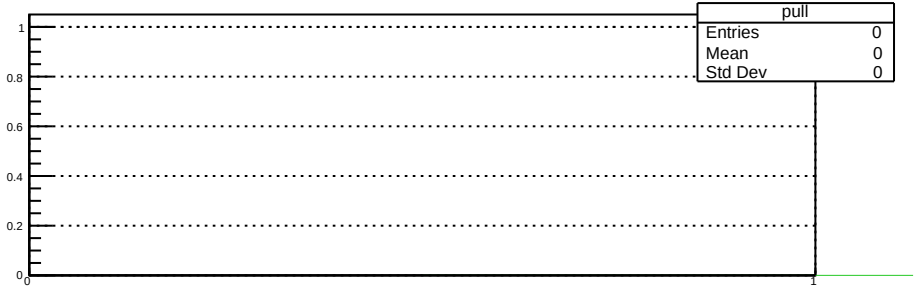

pull1D
Entries 51
Mean −2.913e−14
Std Dev1.271e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

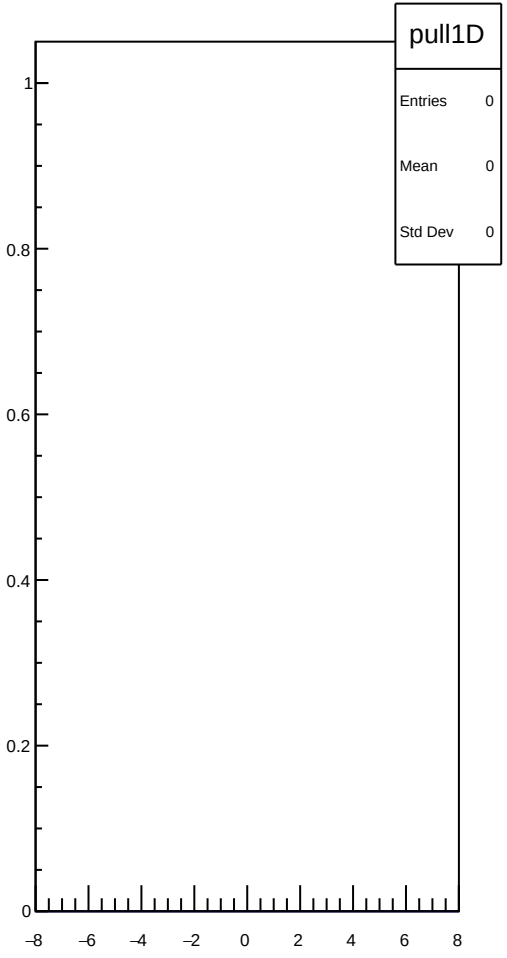

dit_sam8_11X12X_slope vs run
χ² / ndf 7.842e−28 / 50
p0 0.4468 ± 0.03568
0.7
0.6
0.5
0.4
0.3
0.2
5655. 0
5655. 1
5655. 2
5655. 3
5655. 4
5655. 5
5656. 0
5749. 0
5749. 1
5749. 2
5749. 3
5749. 4
5749. 5
5749. 6
5750. 0
5750. 1
5751. 0
5751. 1
5752. 0
5752. 1
5752. 2
5753. 0
5753. 1
5757. 0
5757. 1
5757. 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

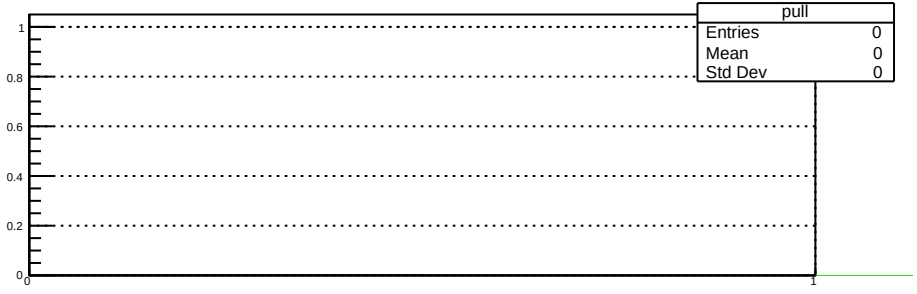

dit_sam8_4aY_slope vs run
χ² / ndf 1.877e−24 / 50
p0 −50.89 ± 0.05705
−50.5
−50.6
−50.7
−50.8
−50.9
−51
−51.1
−51.2
−51.3
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 51
Mean 1.918e−13
Std Dev1.071e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2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

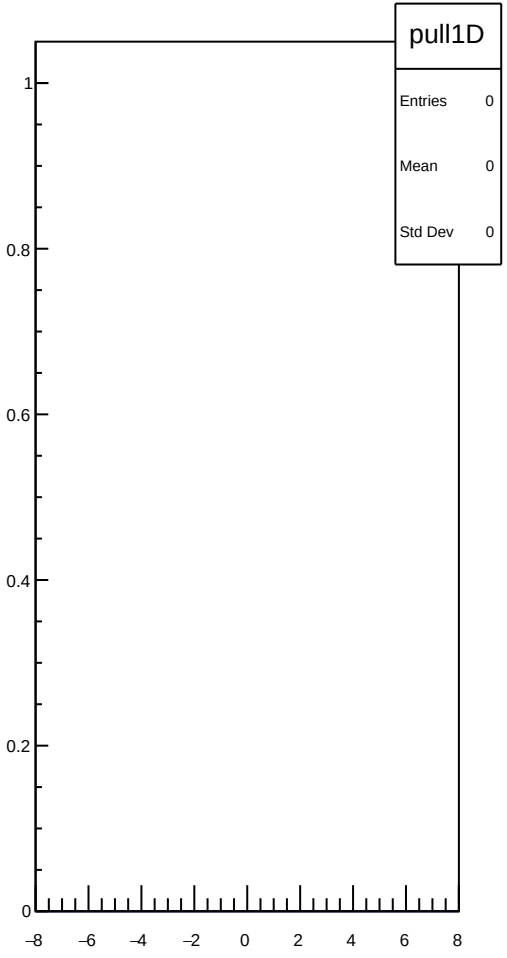

dit_sam8_4eY_slope vs run
χ² / ndf 9.424e−25 / 50
p0 48.2 ± 0.05124
48.6
48.5
48.4
48.3
48.2
48.1
48
47.9
47.8
pull
Entries 51
Mean 25.5
Std Dev 14.72
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

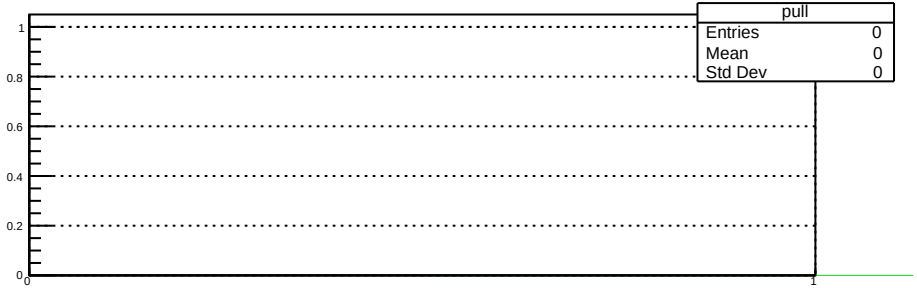

pull1D
Entries 51
Mean 1.359e−13
Std Dev 5.868e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

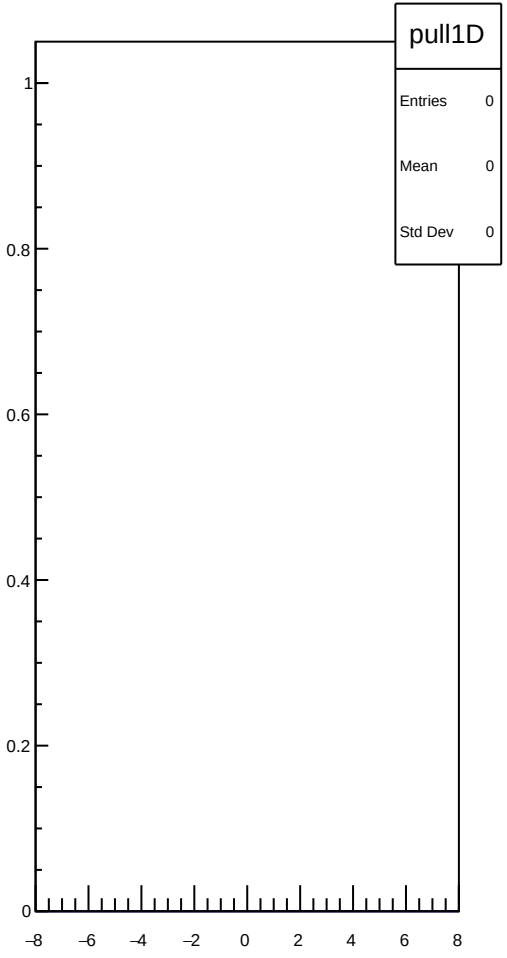

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

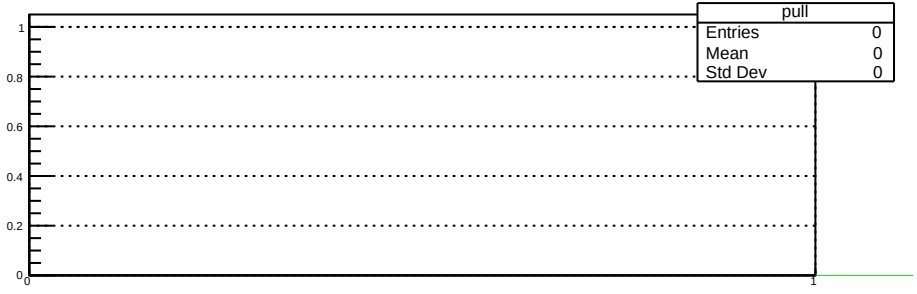

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

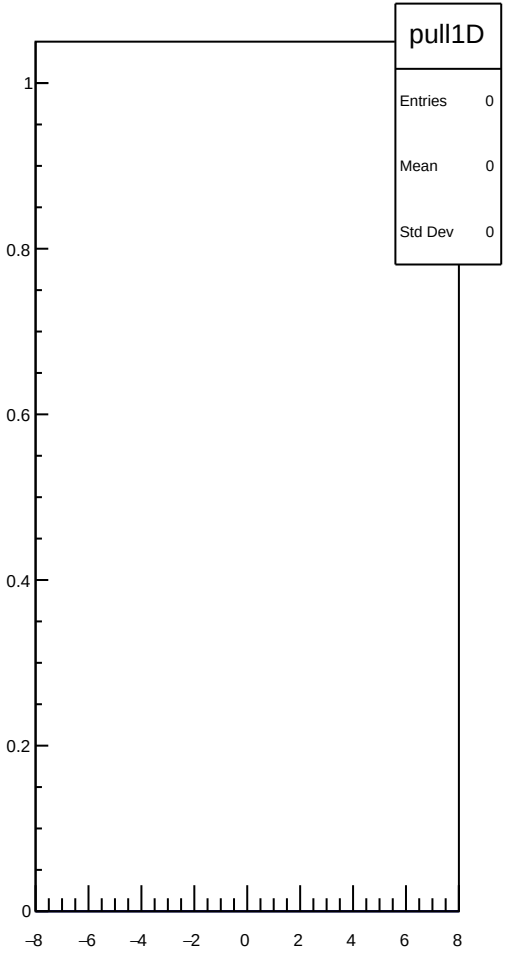

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

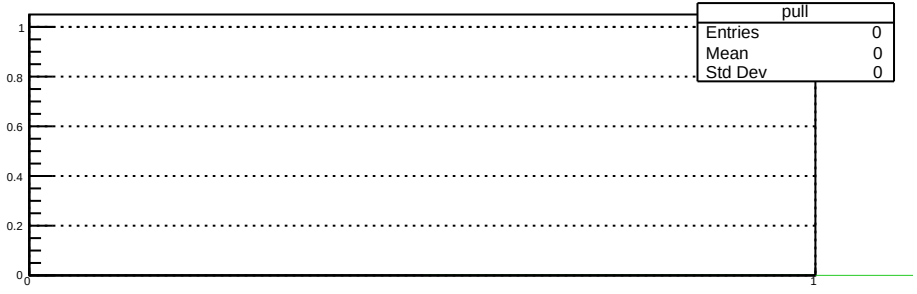

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

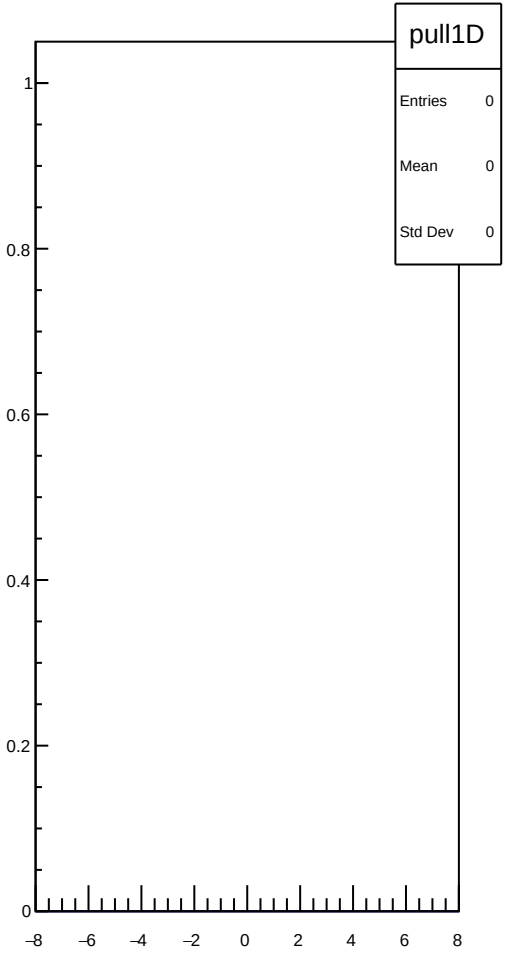

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

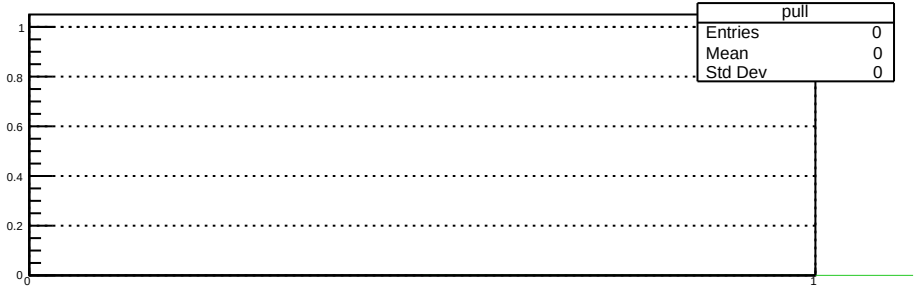

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–6
–4
–2
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2
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8

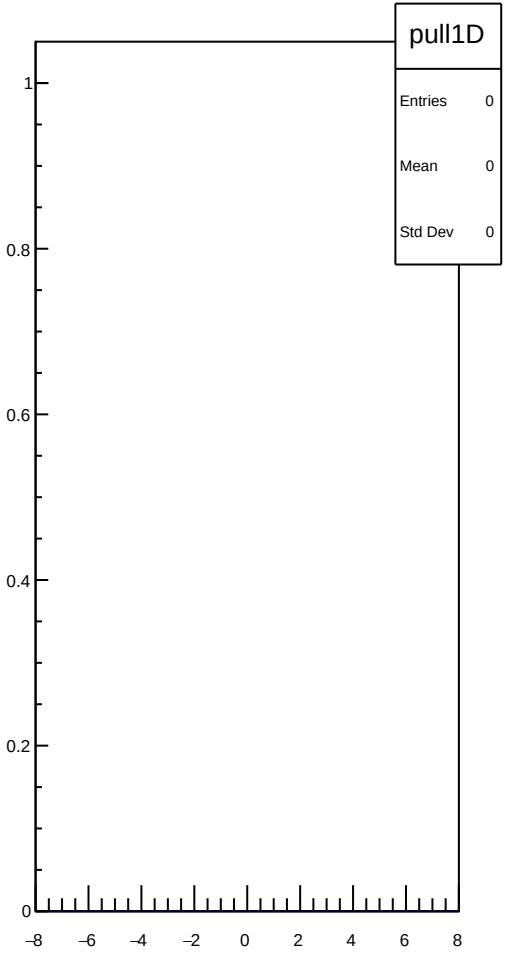

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

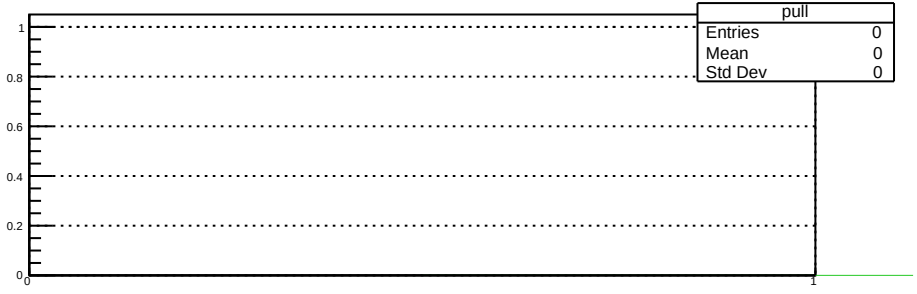

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

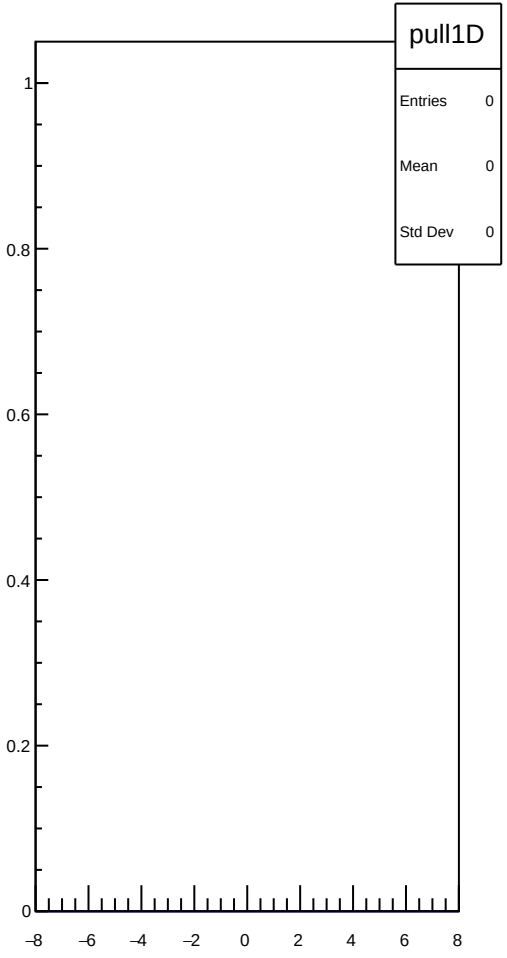

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

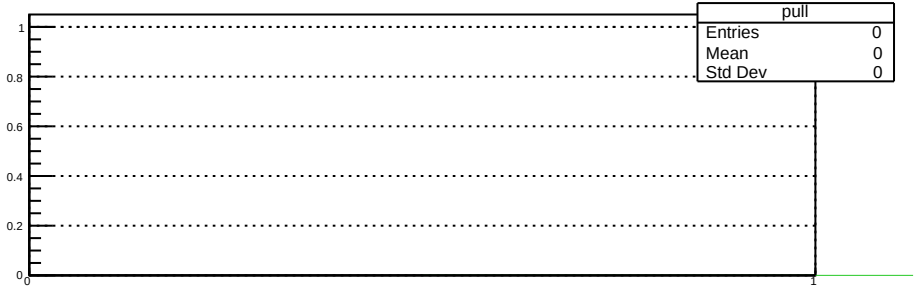

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
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–4
–2
0
2
4
6
8

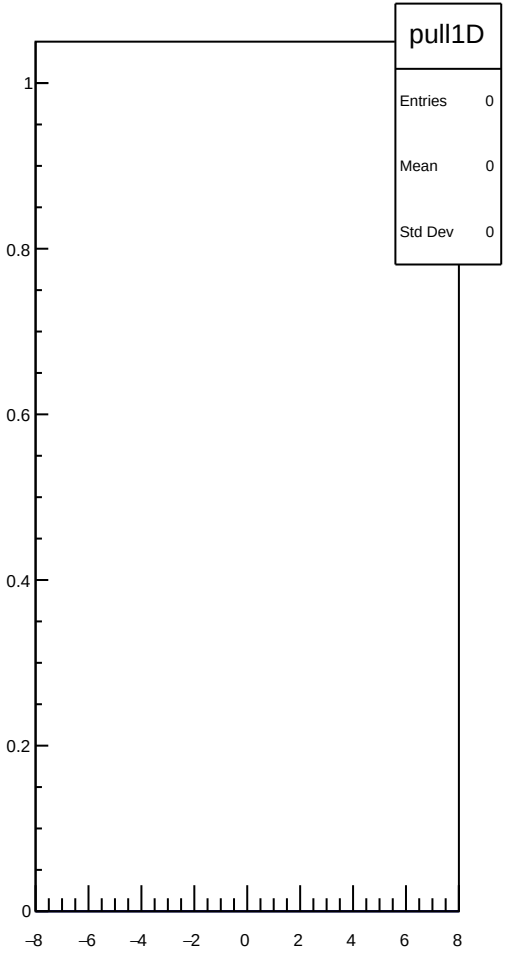

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0.2
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0
1

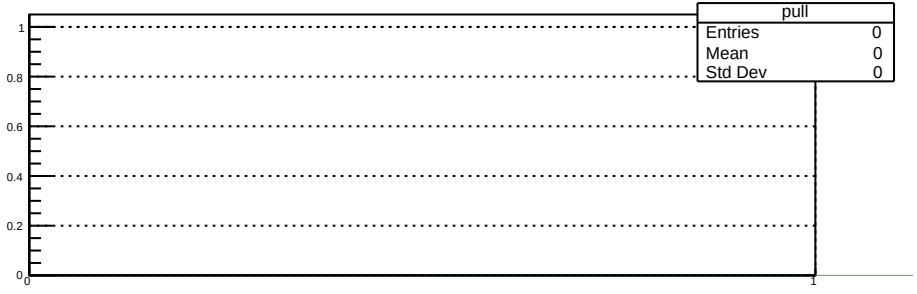

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
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–4
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6
8

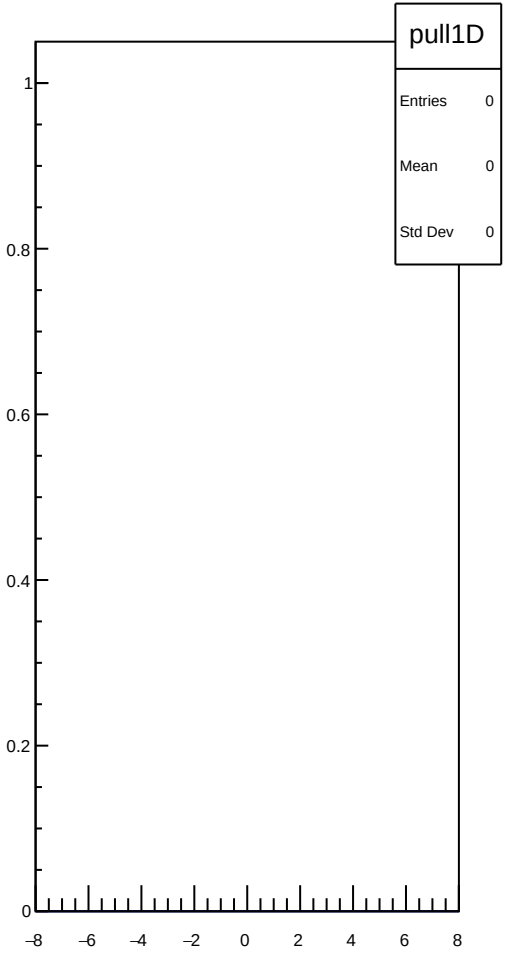

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

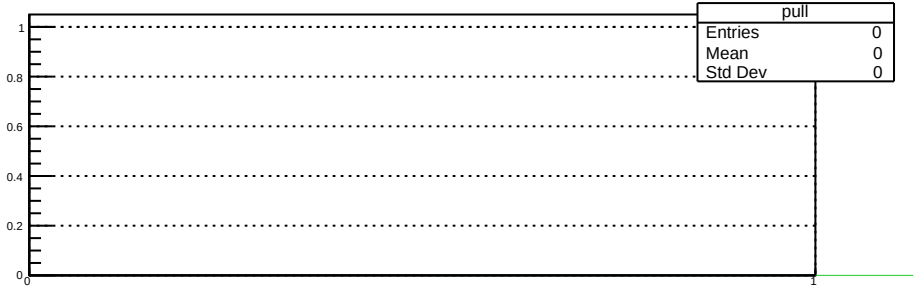

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

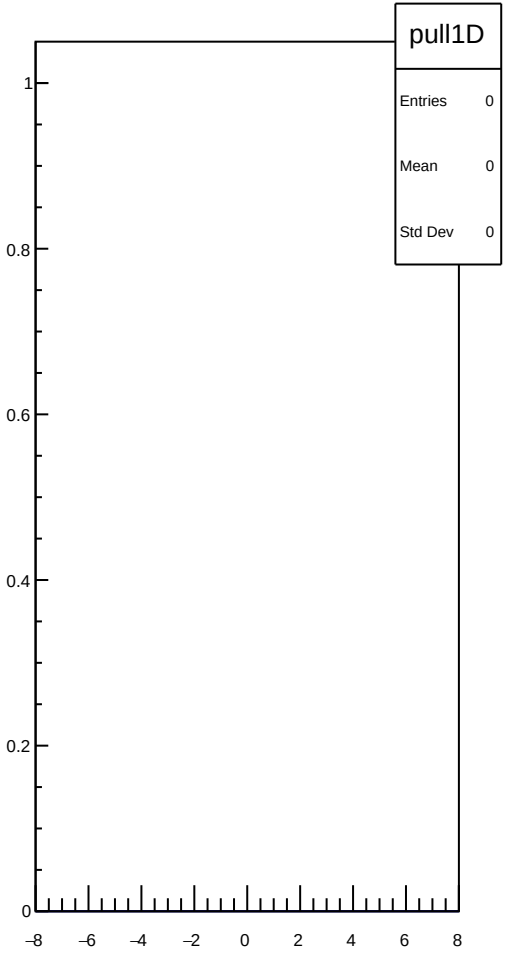

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

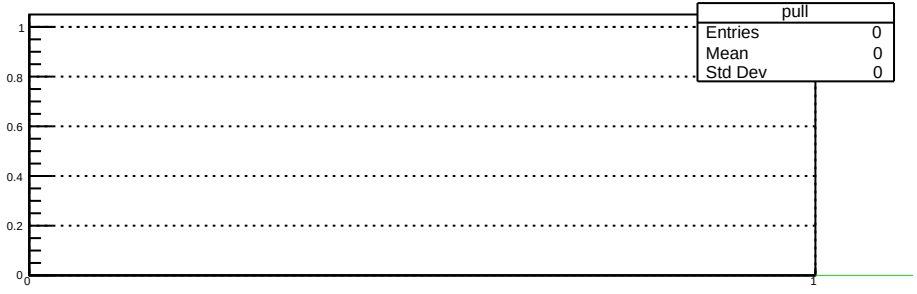

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
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0
2
4
6
8

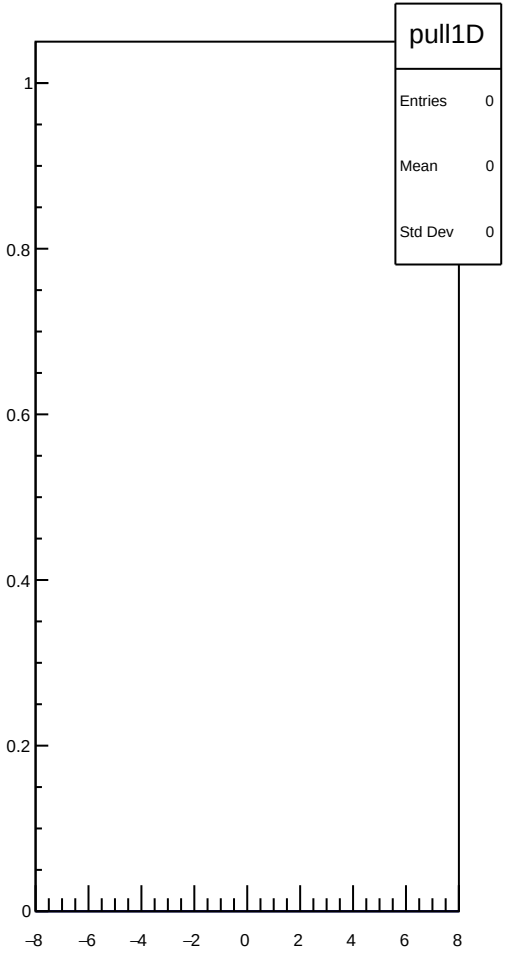

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0
0
1

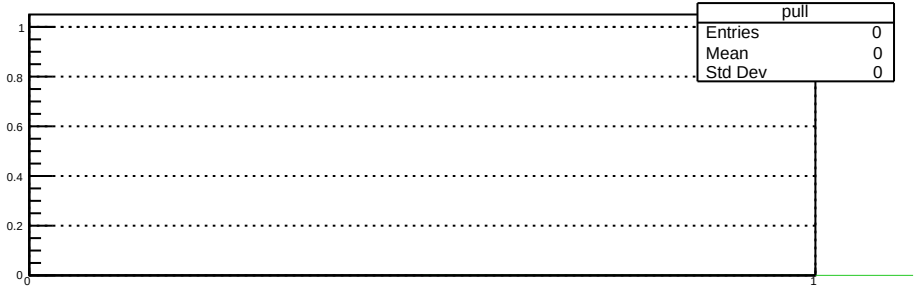

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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0
2
4
6
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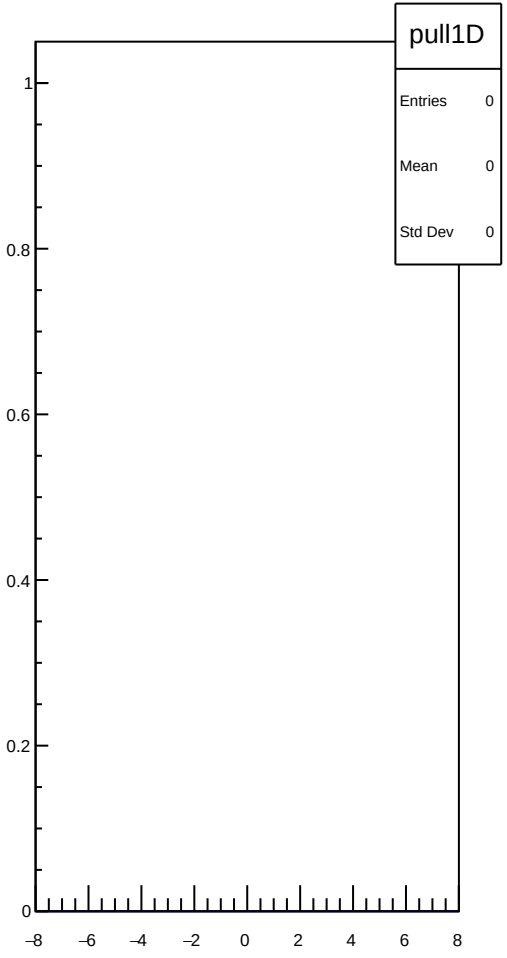

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0
1

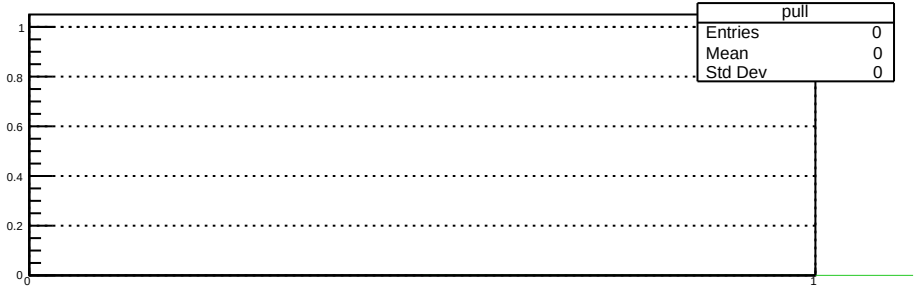

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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2
4
6
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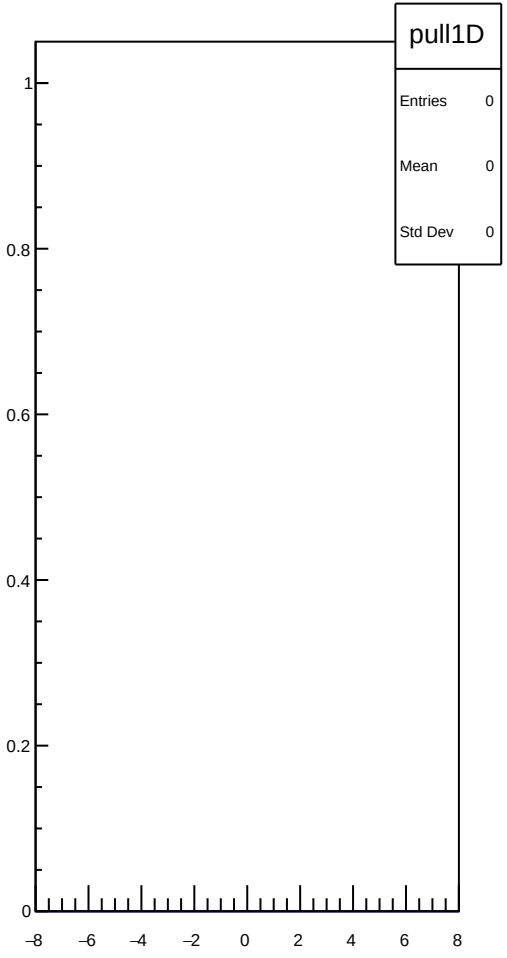

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

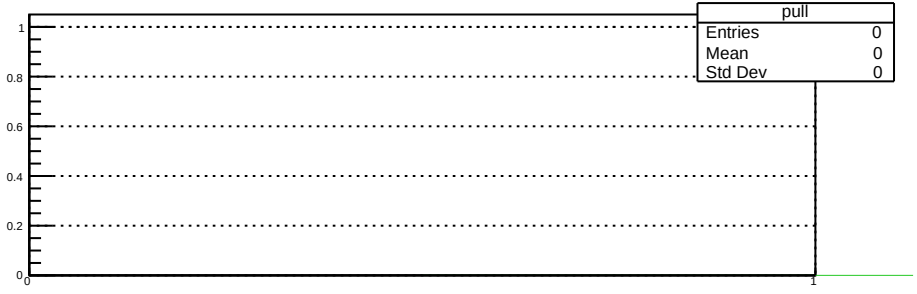

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

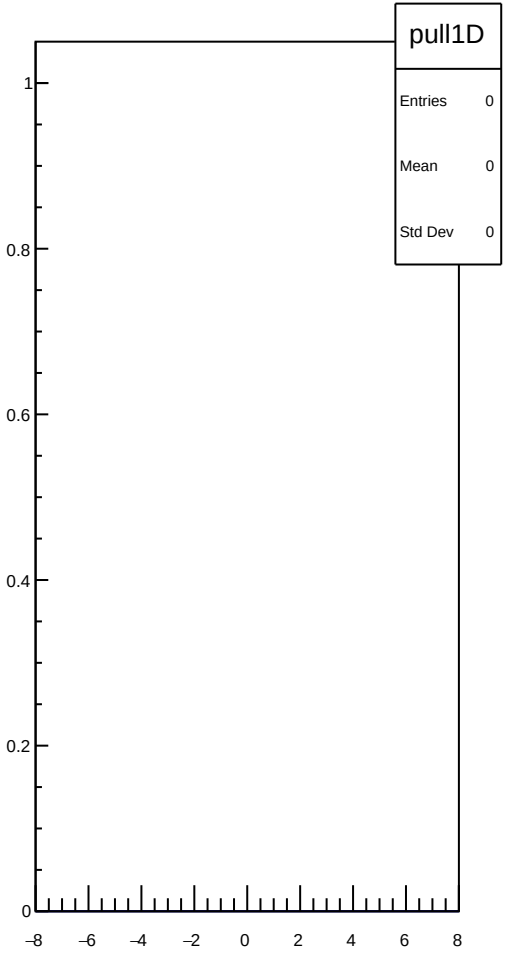

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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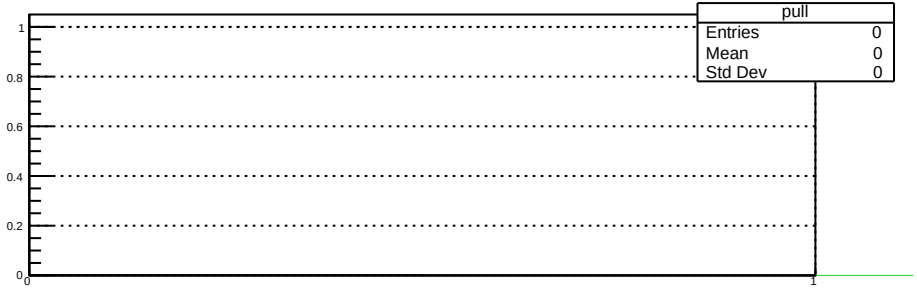

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–4
–2
0
2
4
6
8

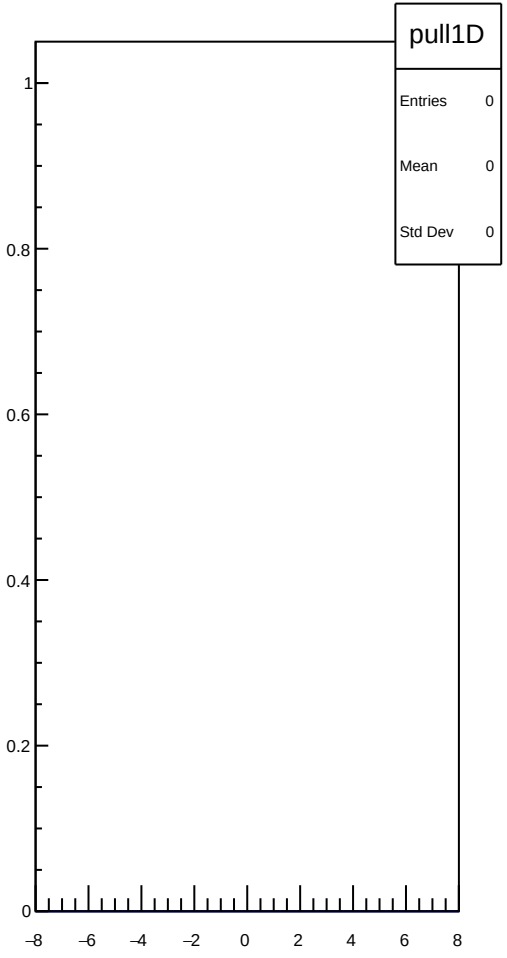

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

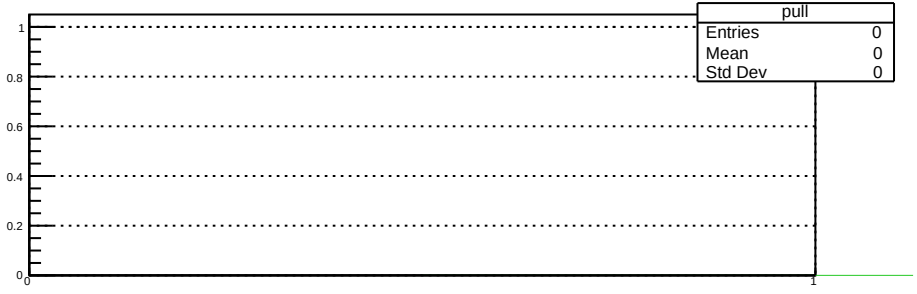

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–4
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4
6
8

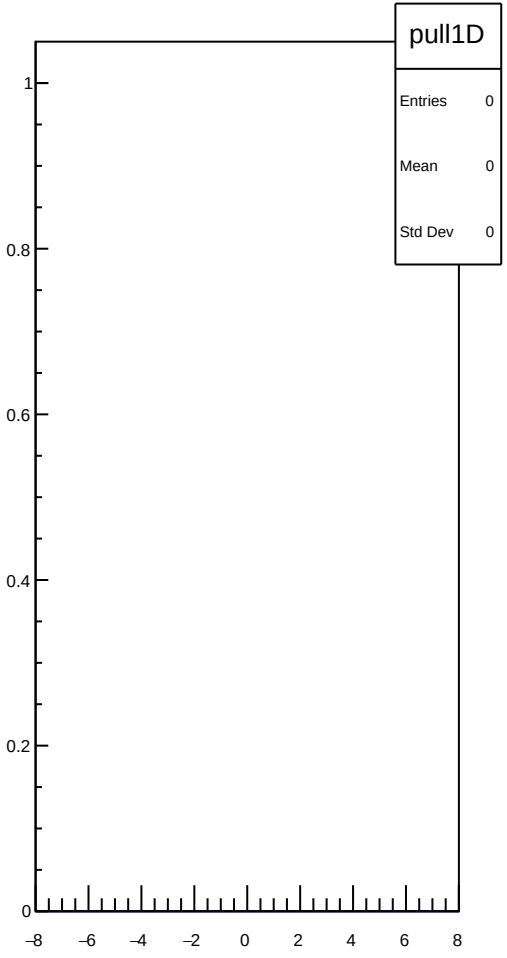

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

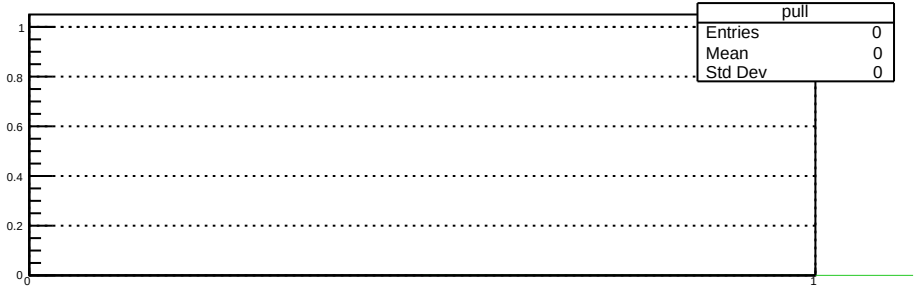

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–2
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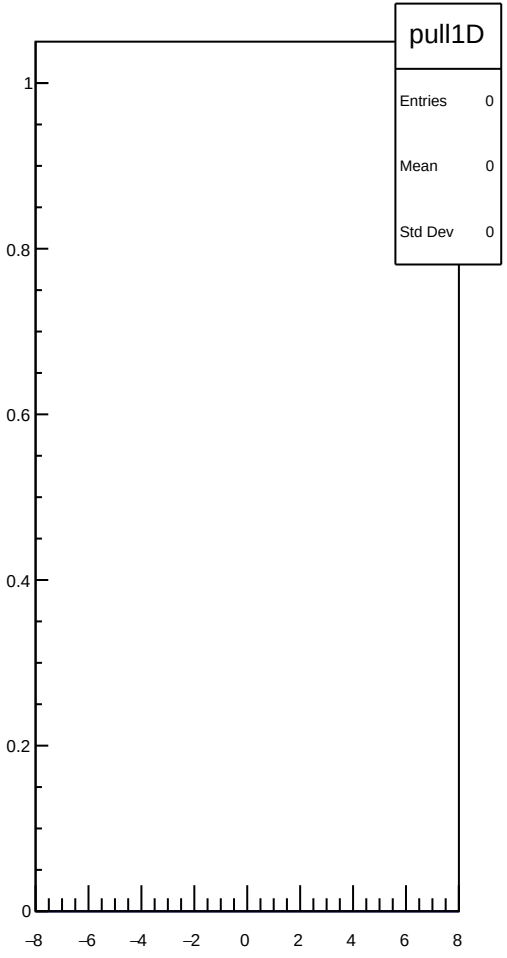

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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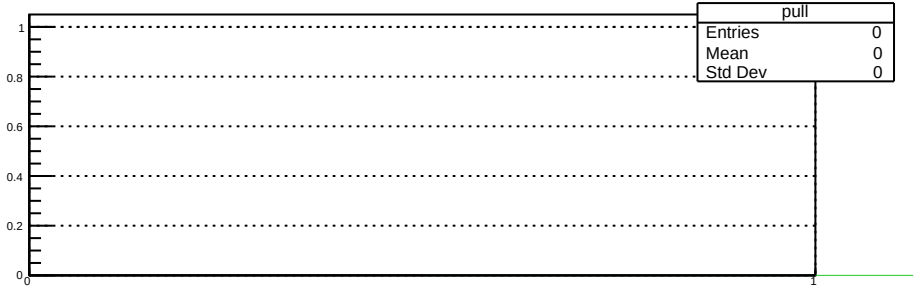

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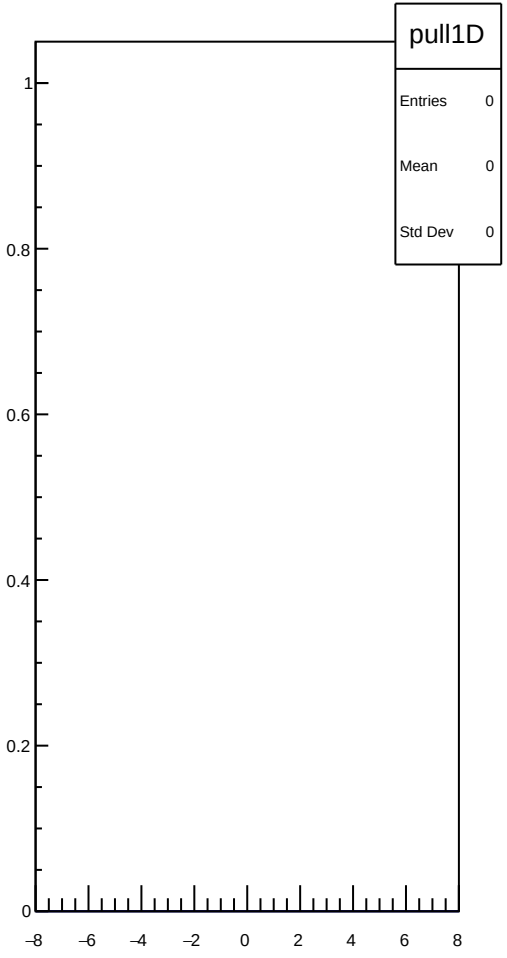

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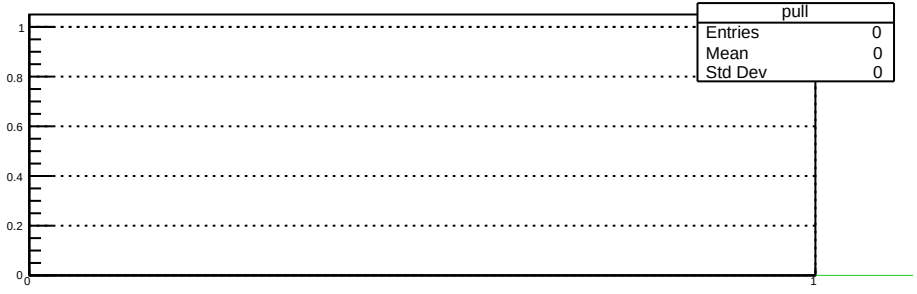

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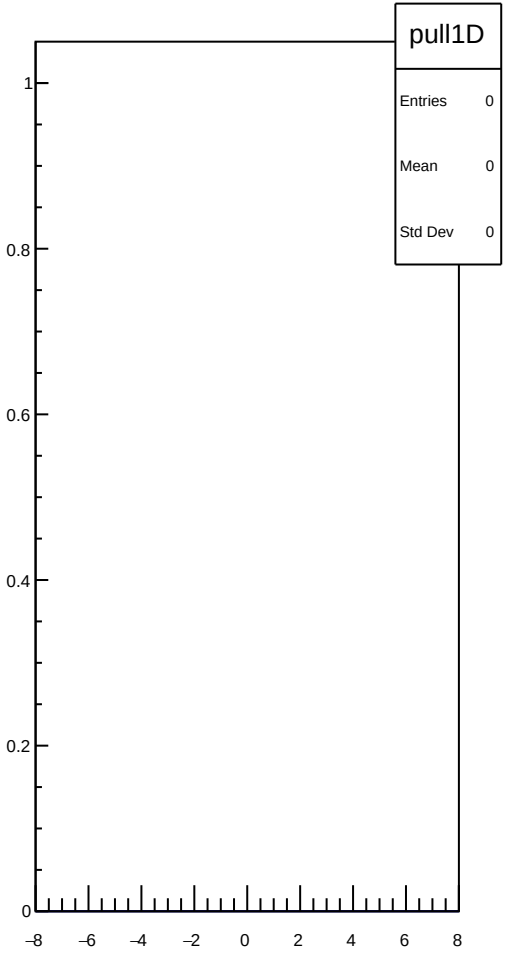

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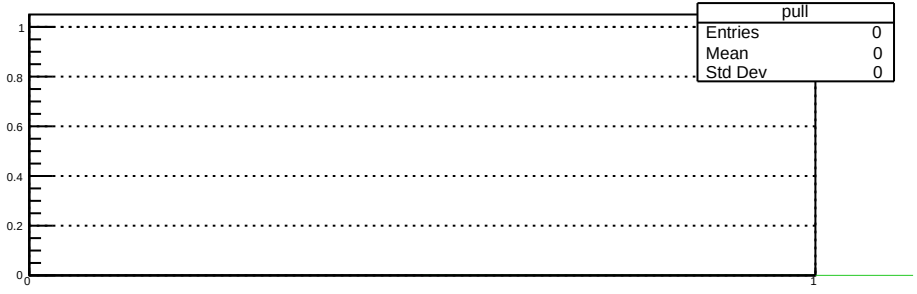

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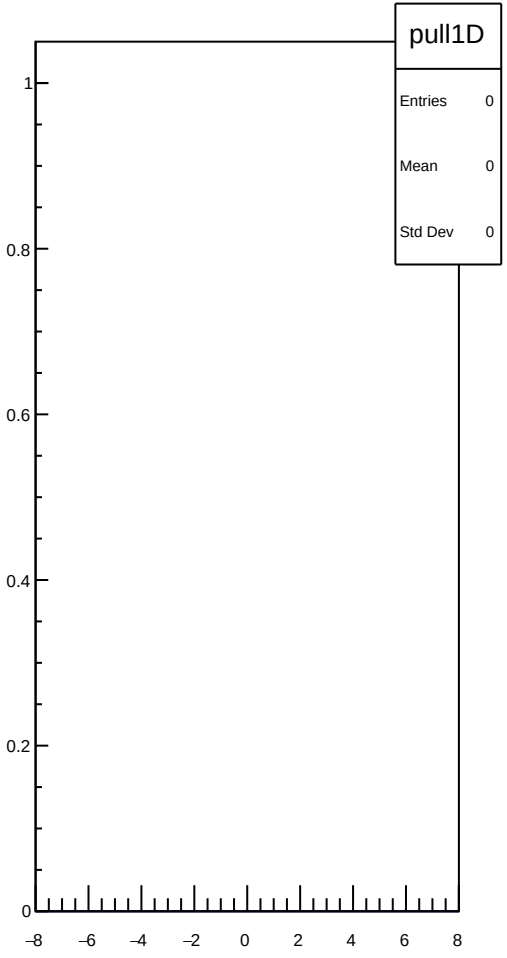

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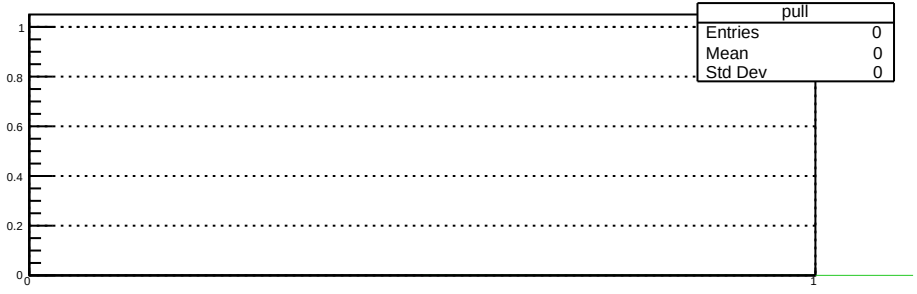

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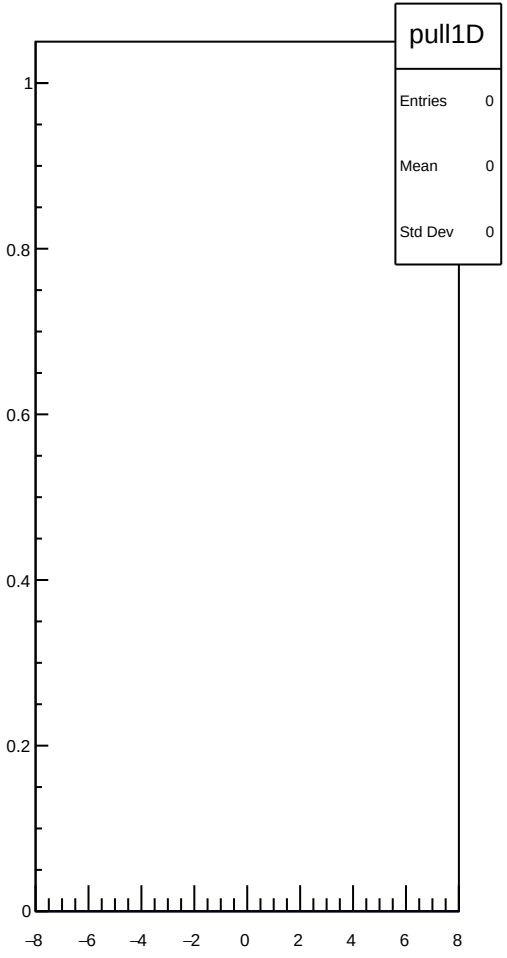

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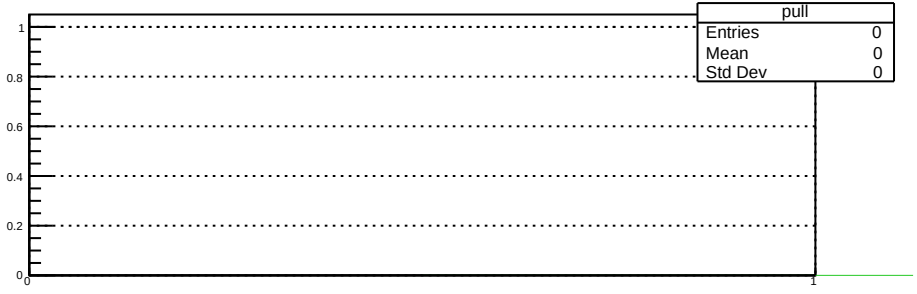

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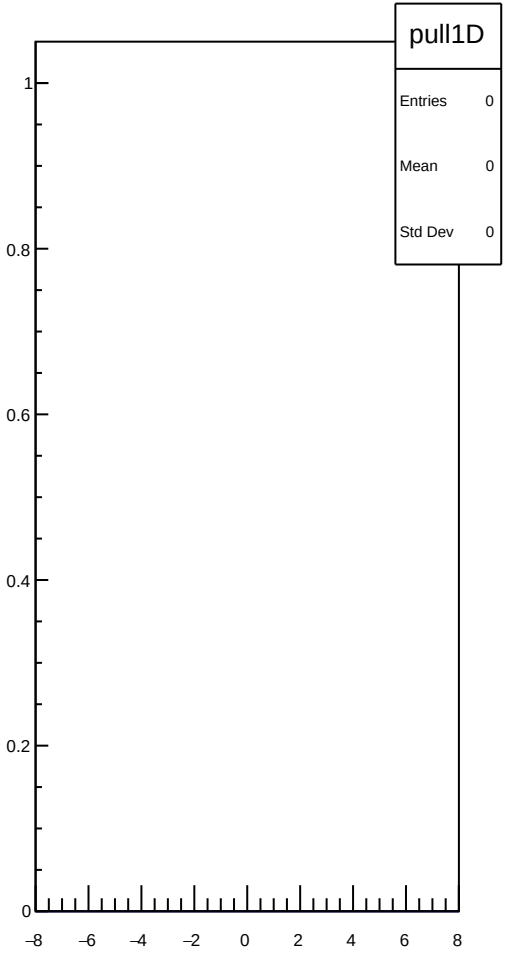

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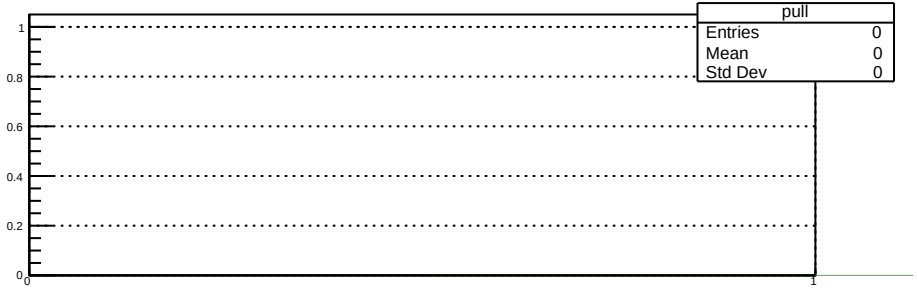

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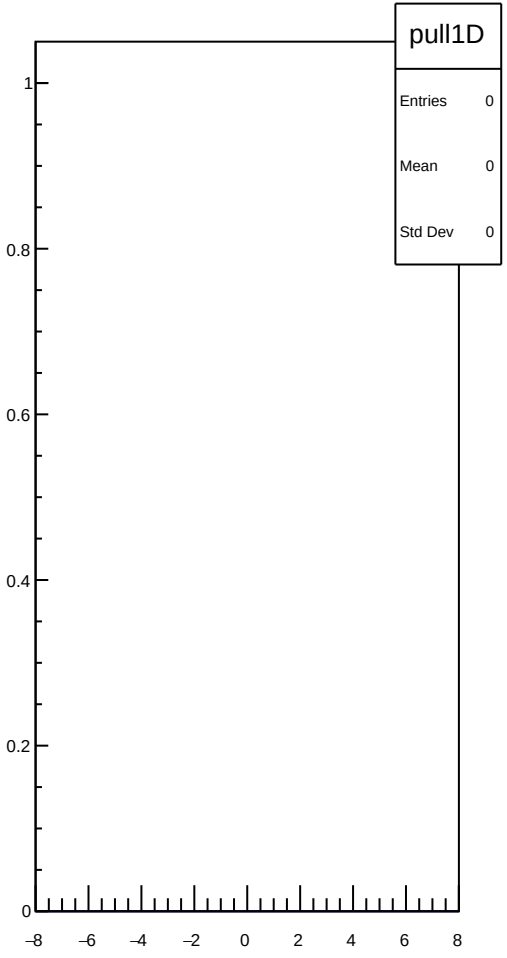

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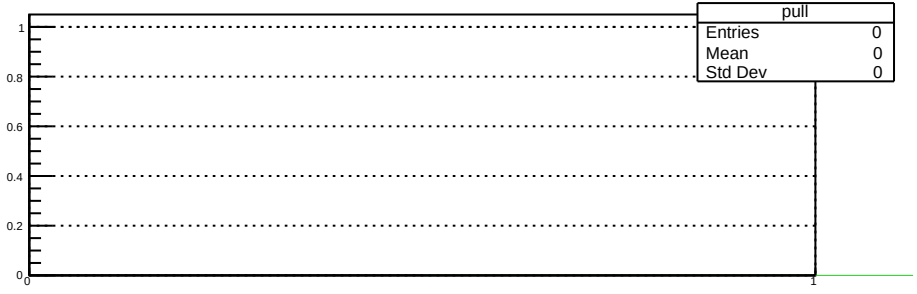

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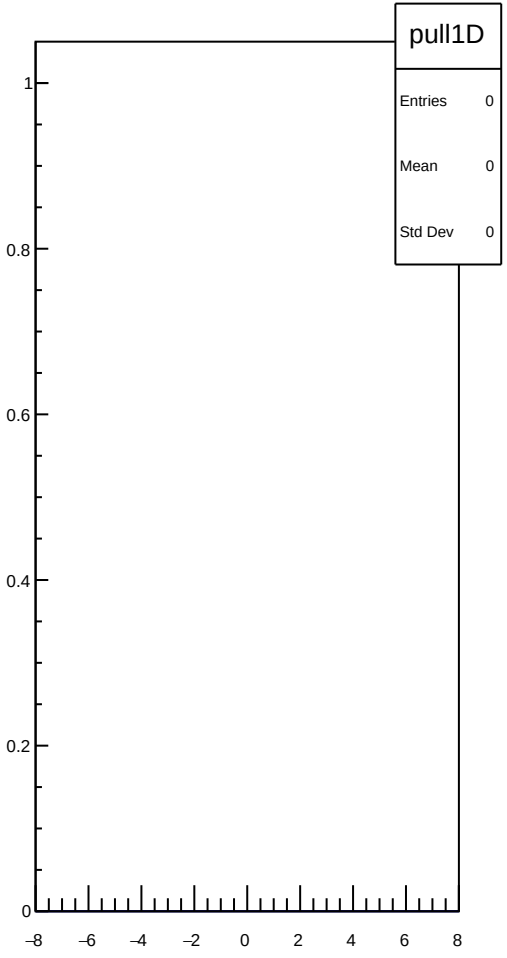

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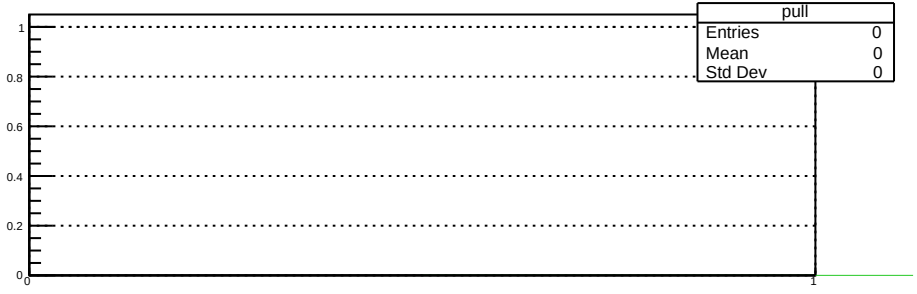

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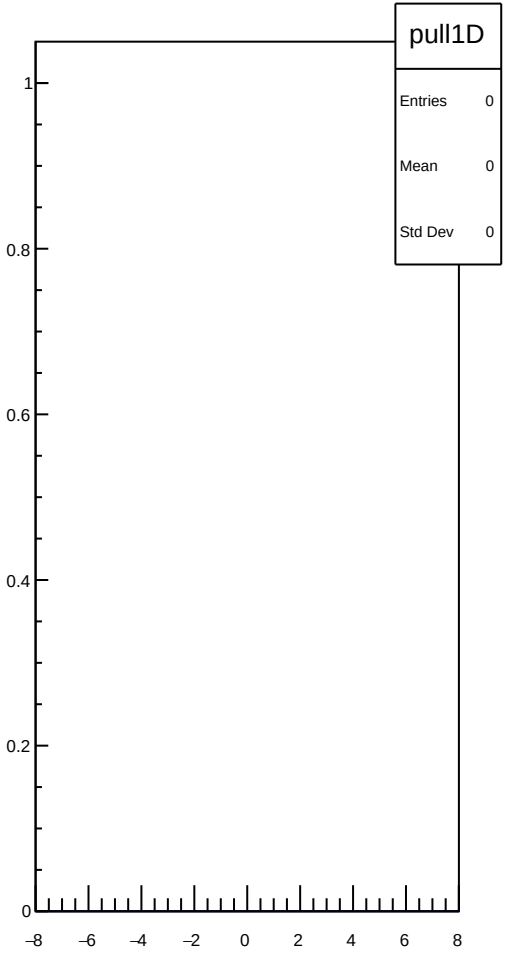

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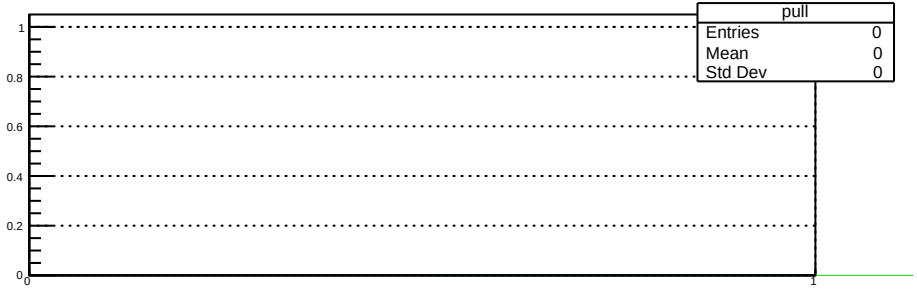

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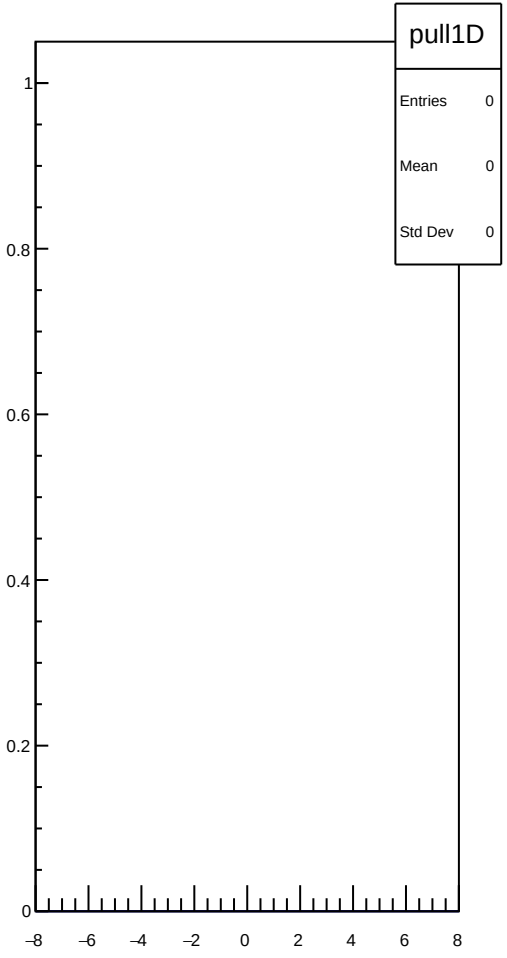

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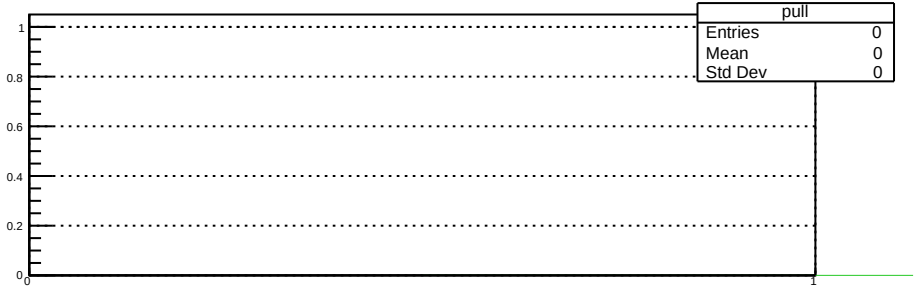

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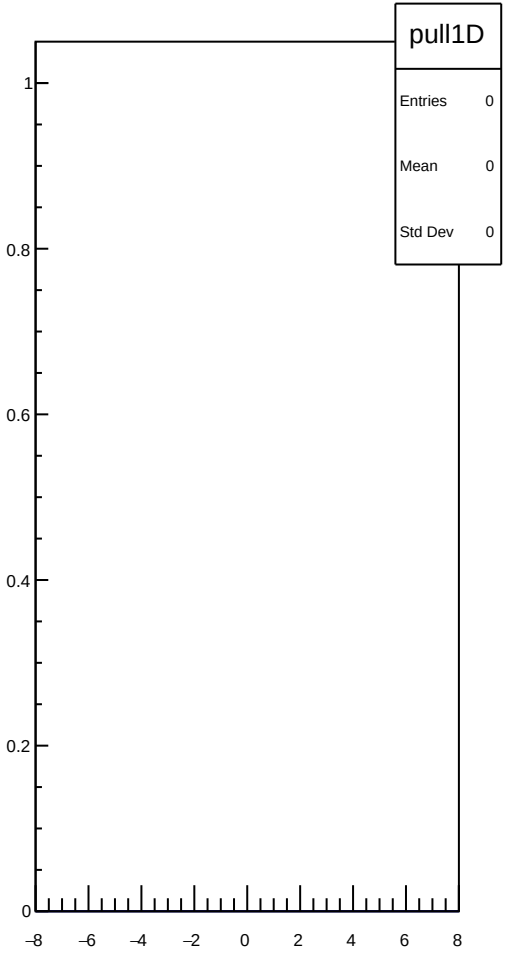

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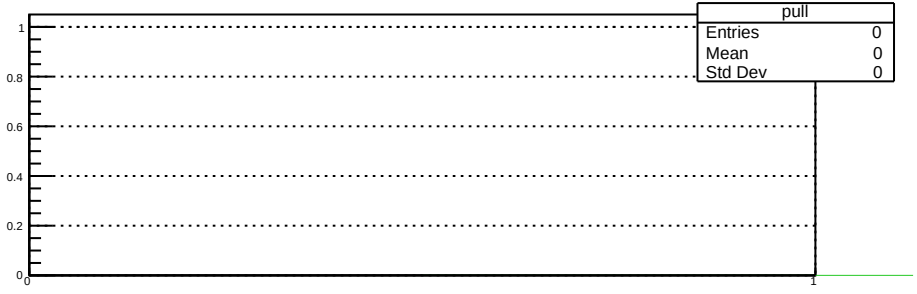

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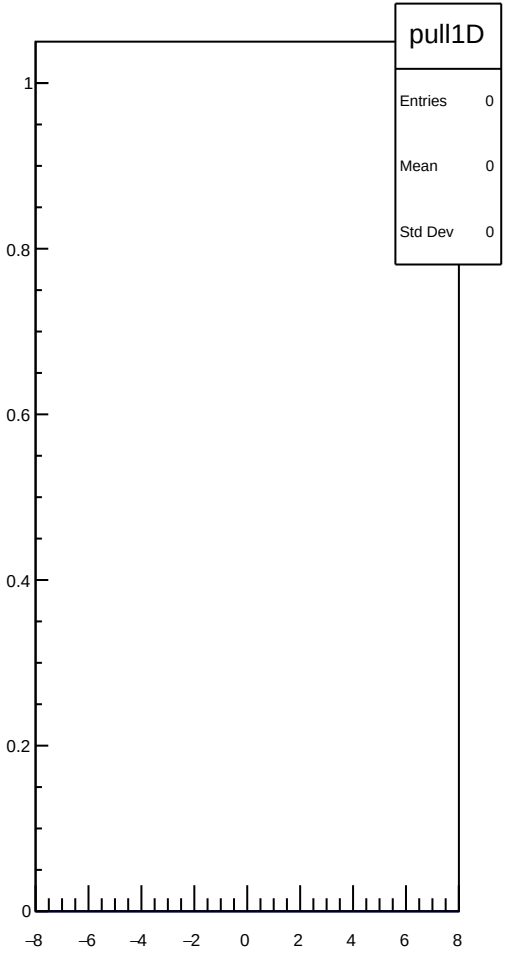

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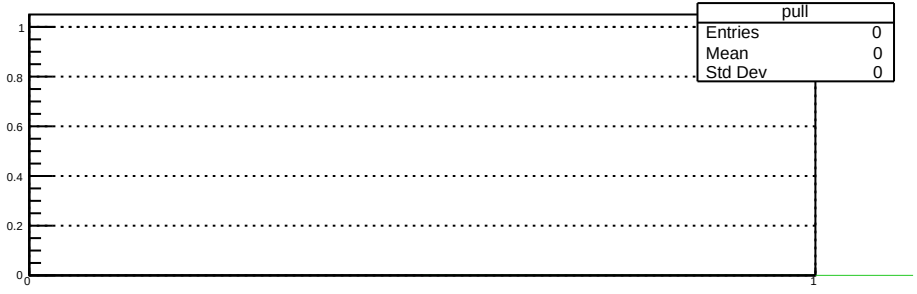

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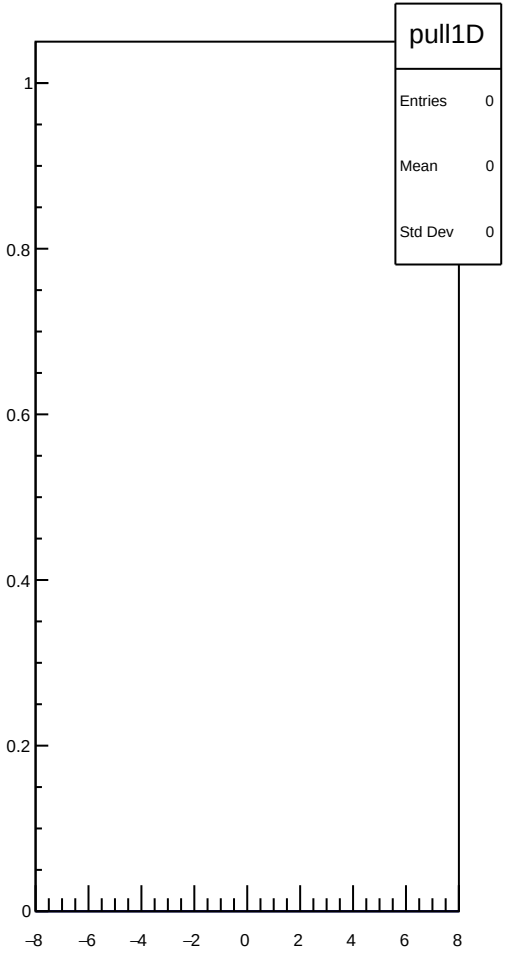

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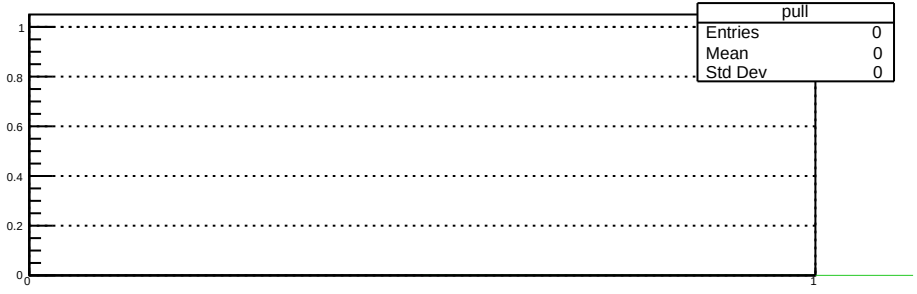

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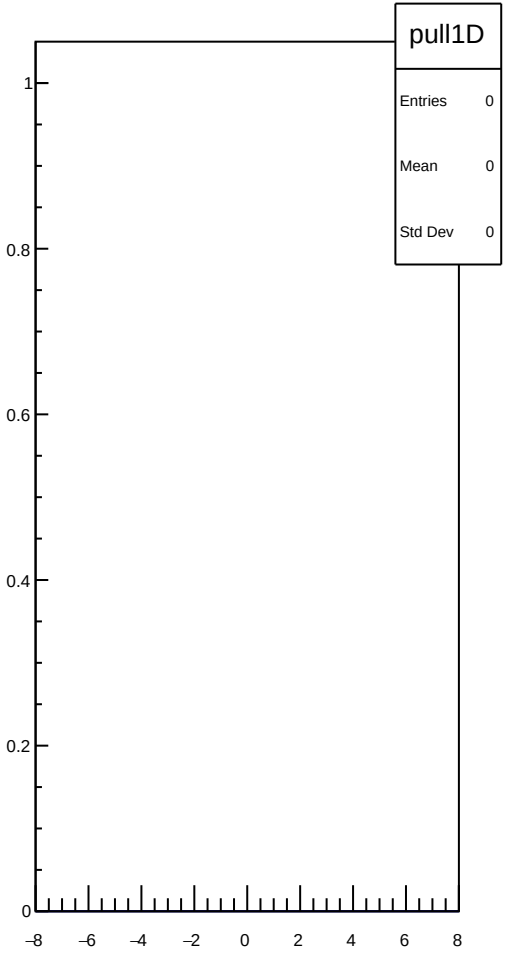

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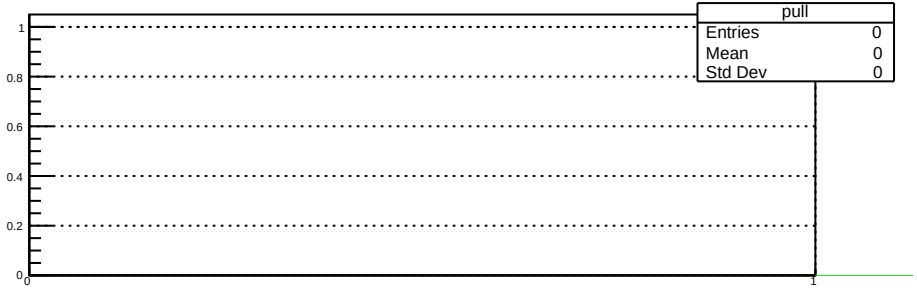

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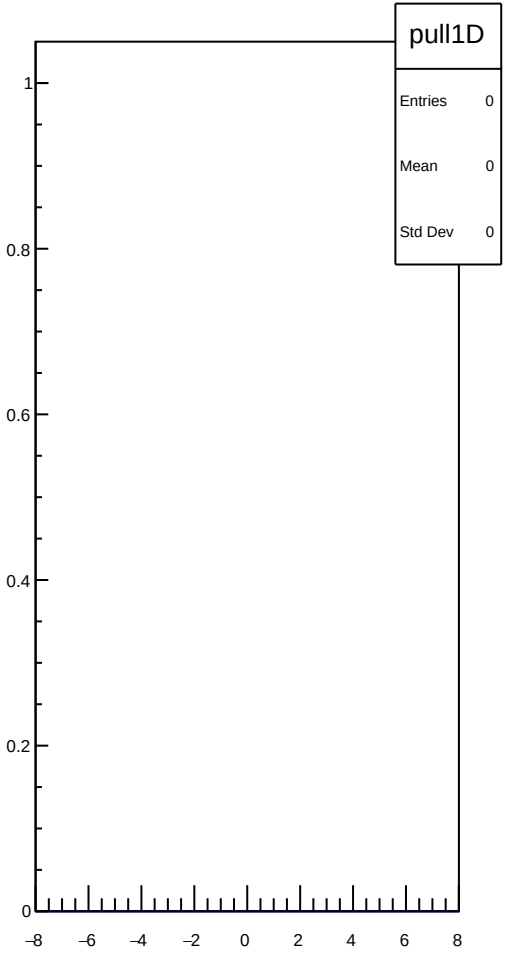

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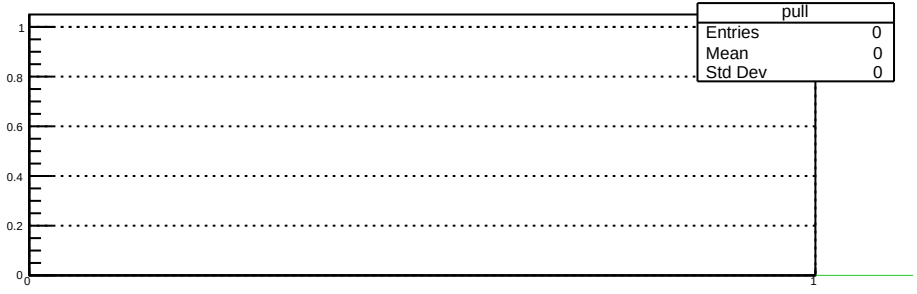

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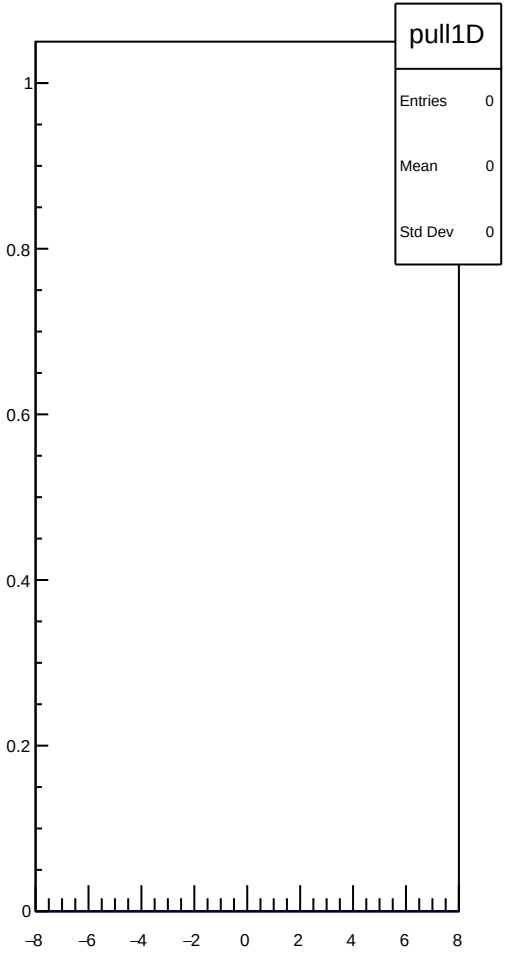

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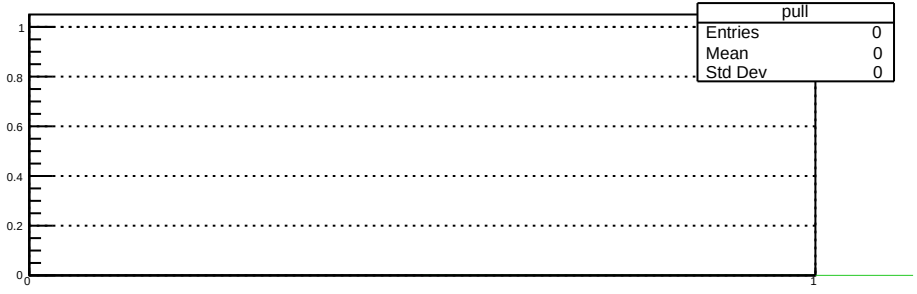

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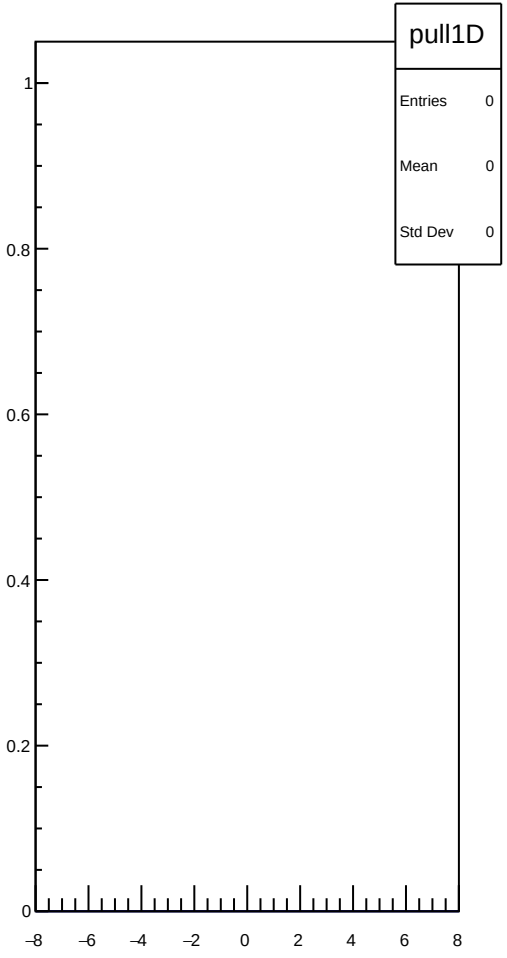

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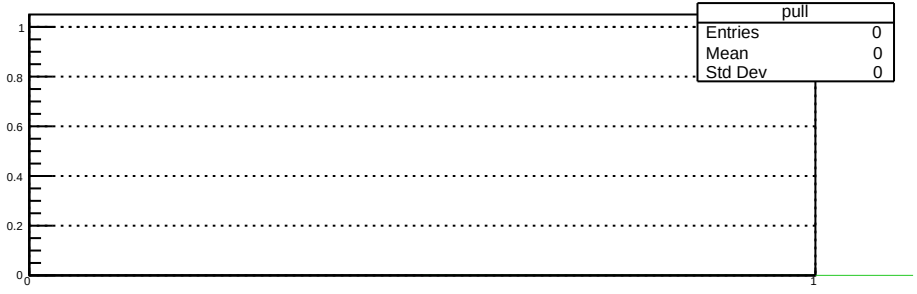

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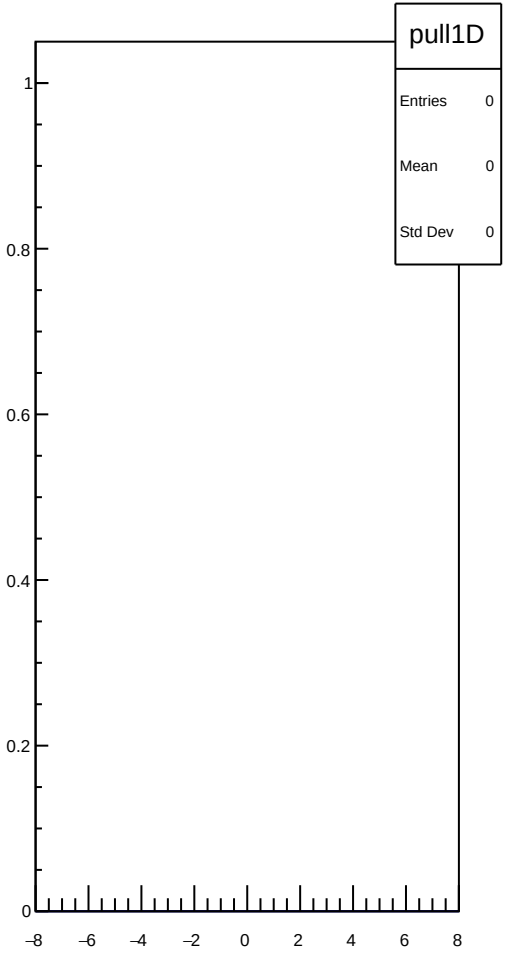

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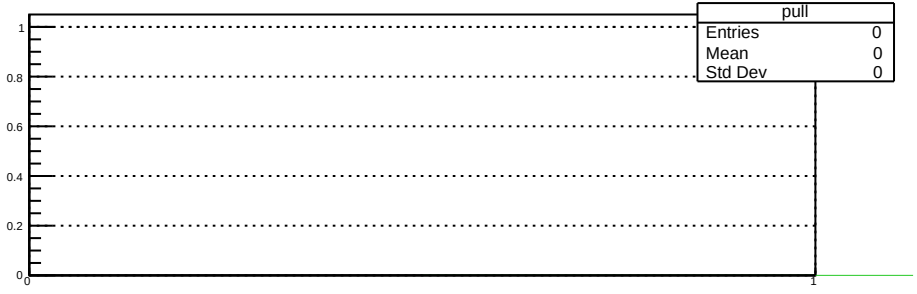

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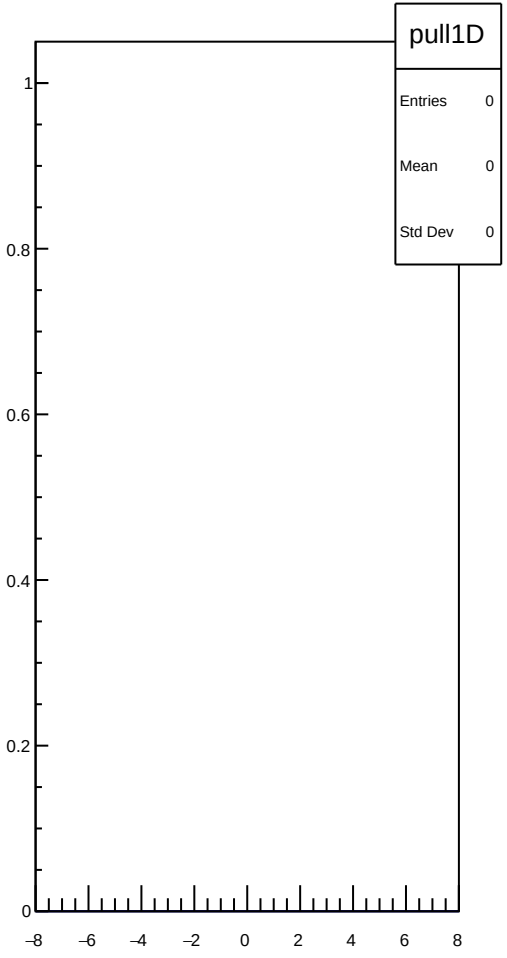

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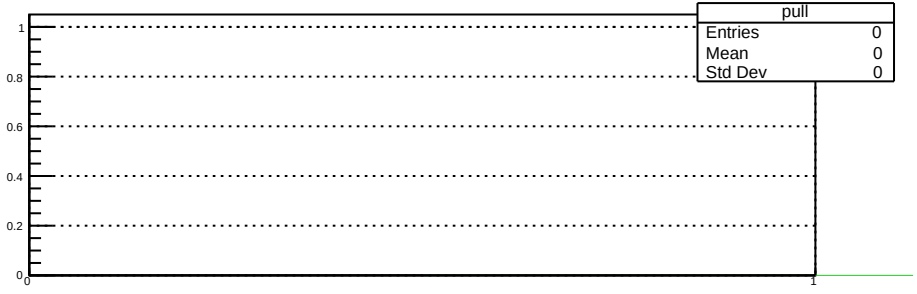

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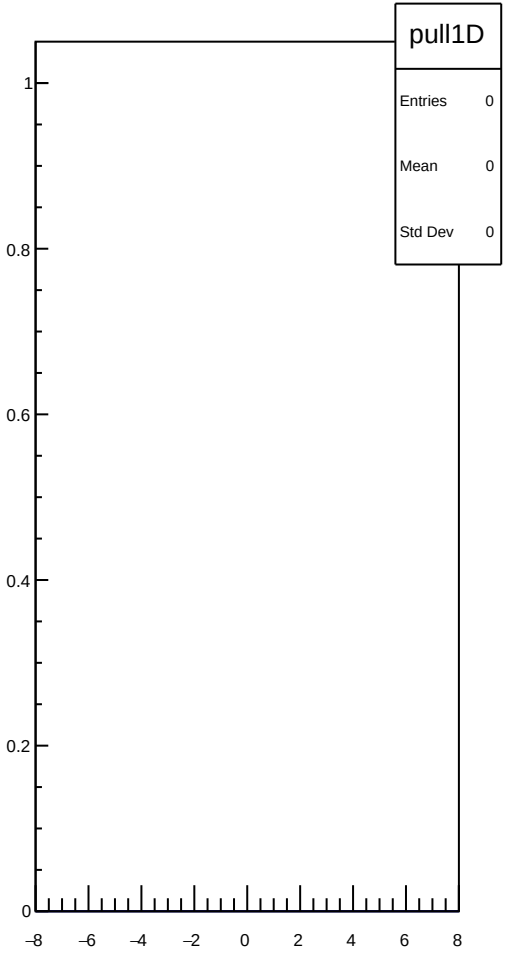

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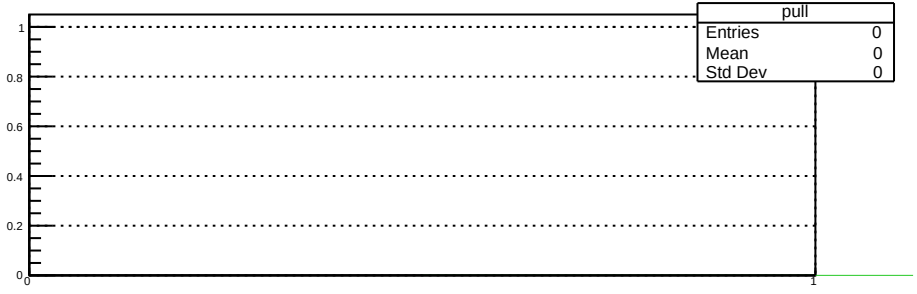

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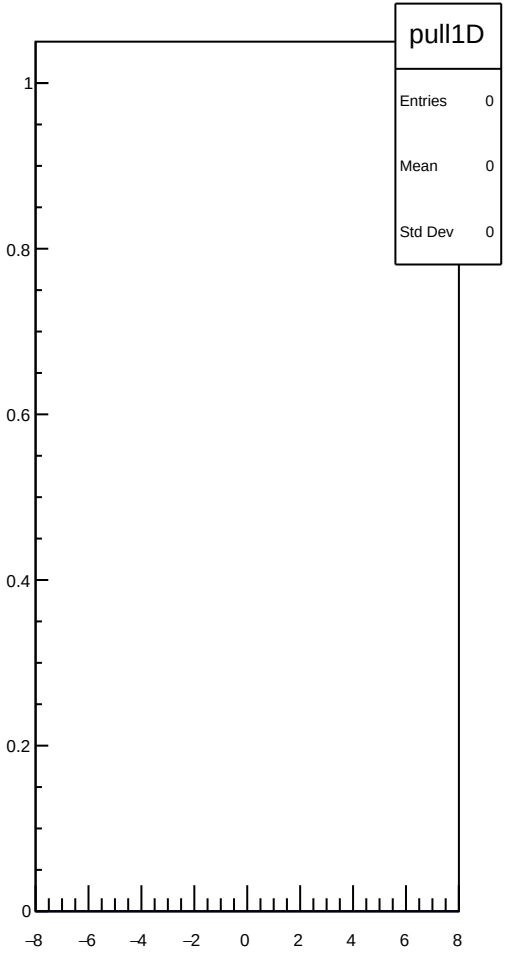

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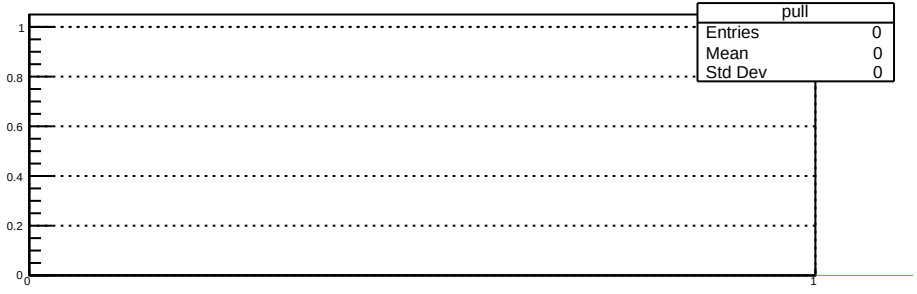

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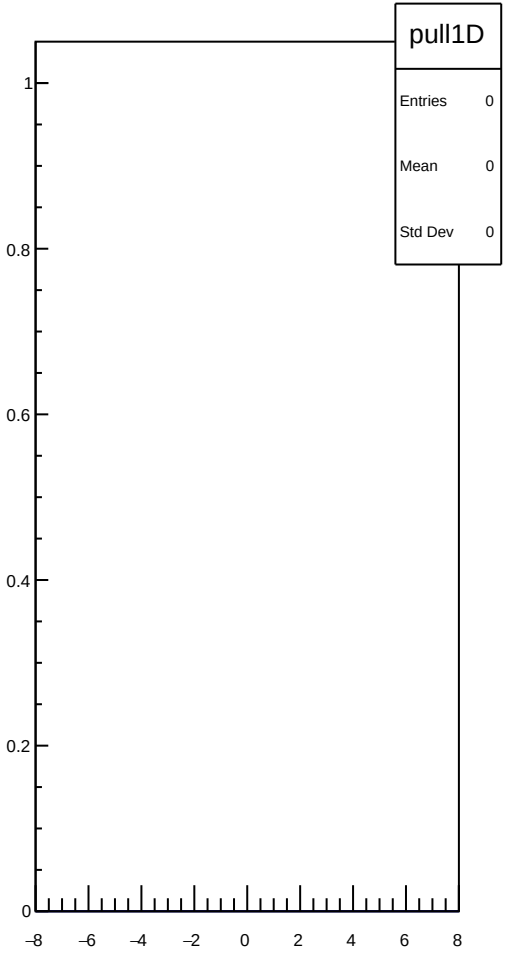

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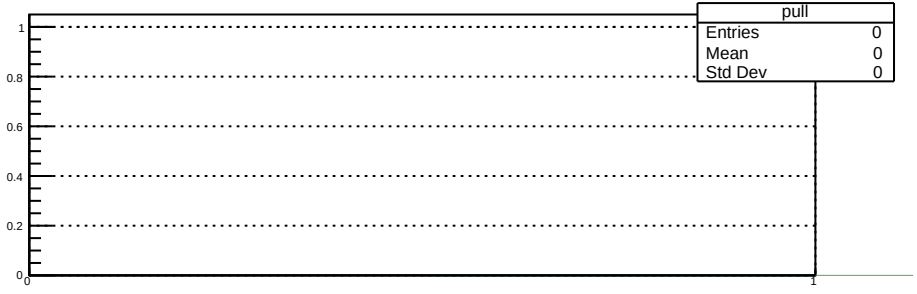

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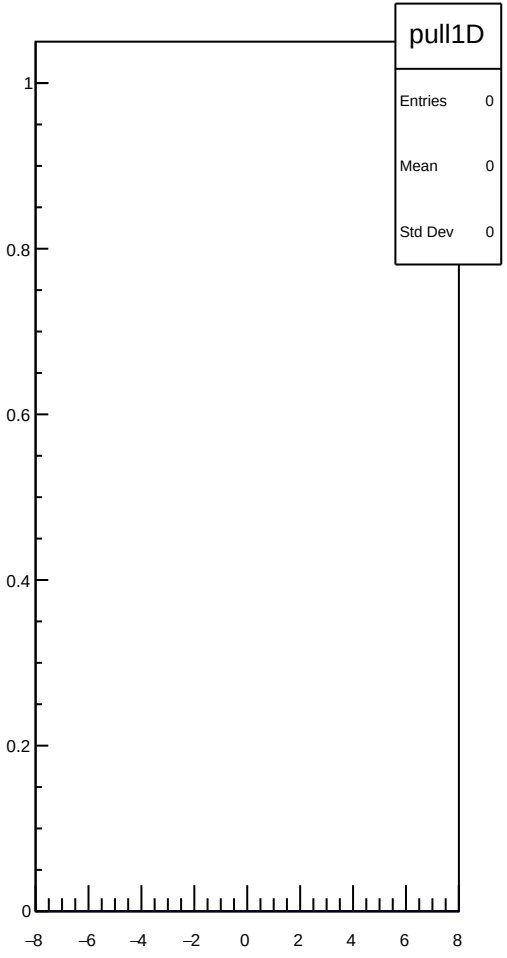

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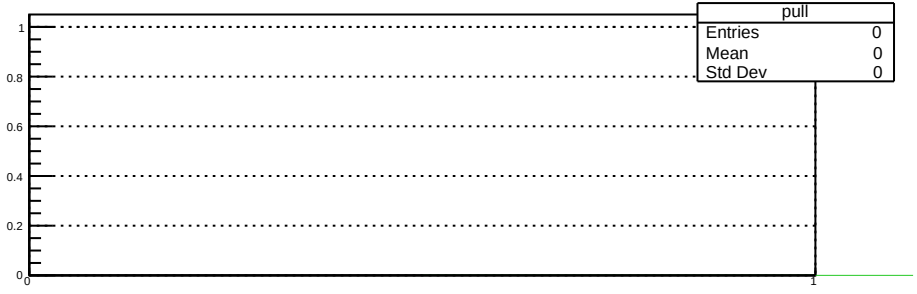

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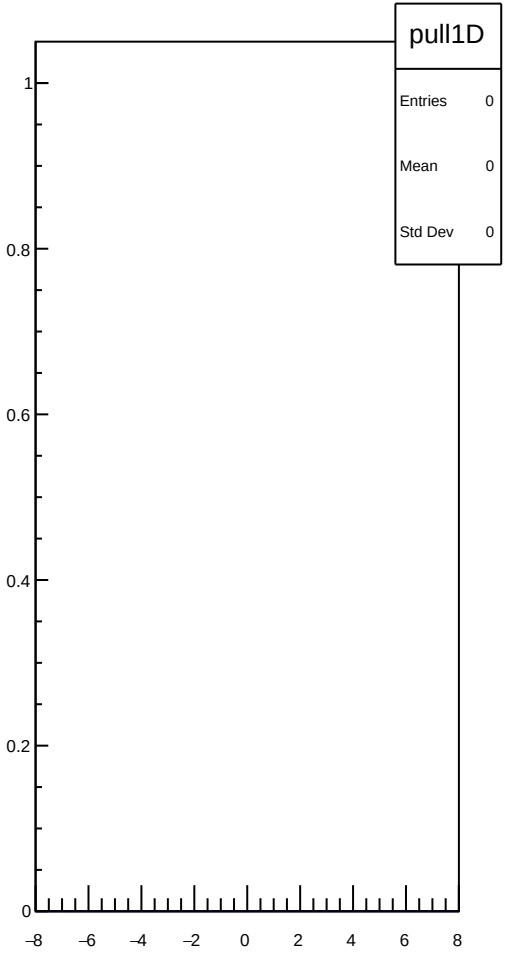

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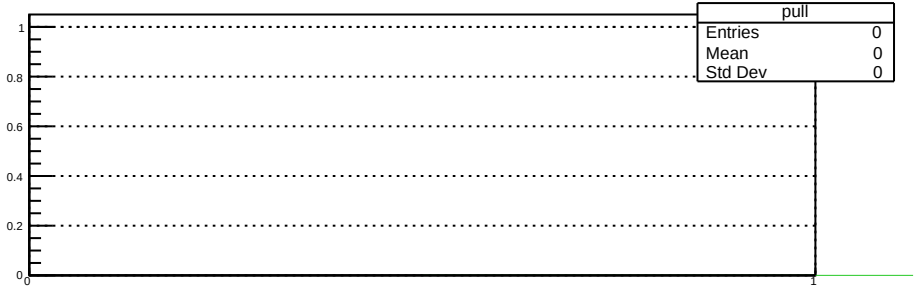

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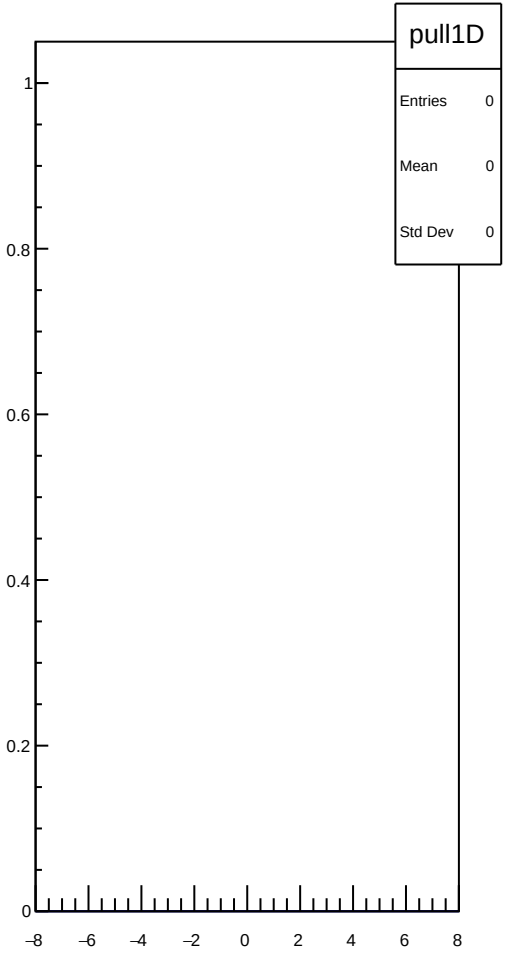

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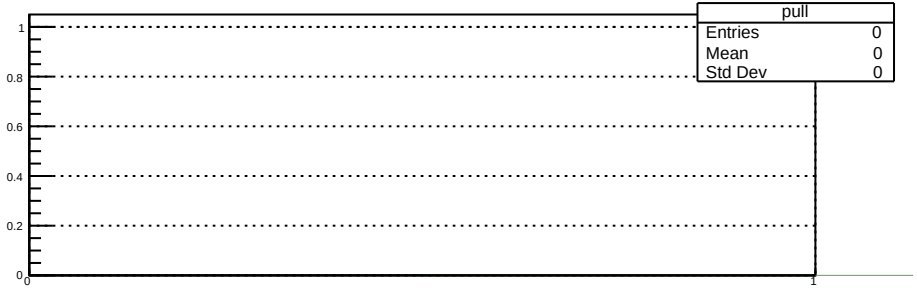

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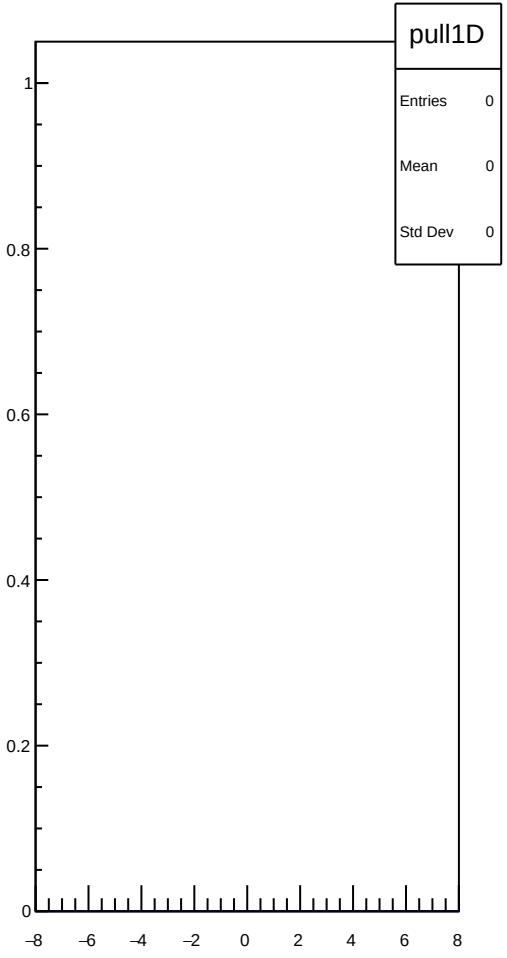

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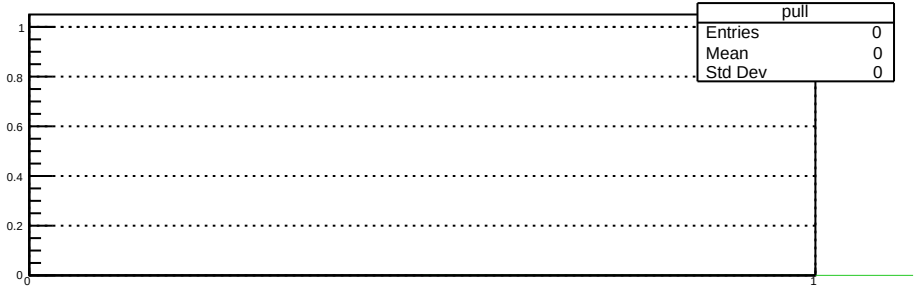

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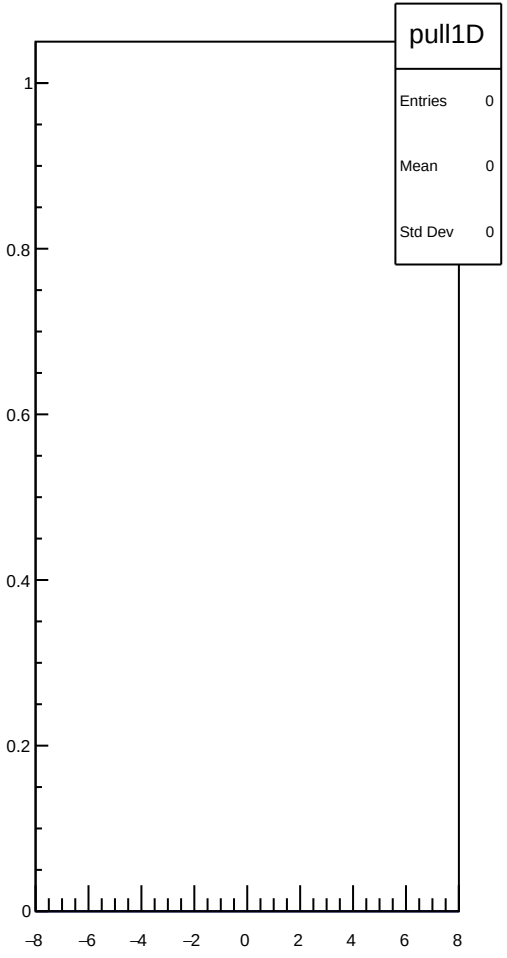

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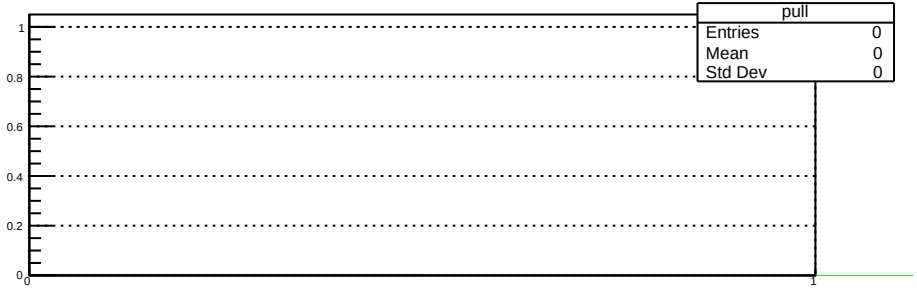

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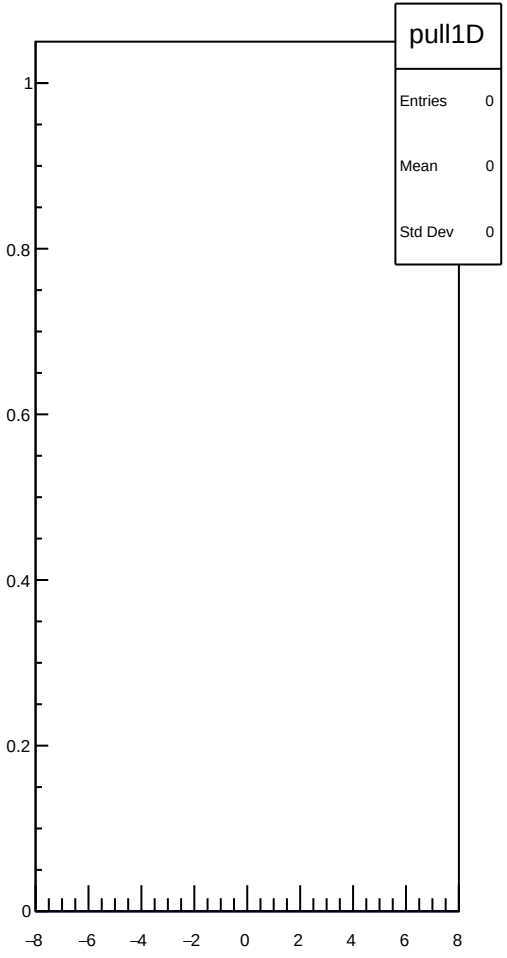

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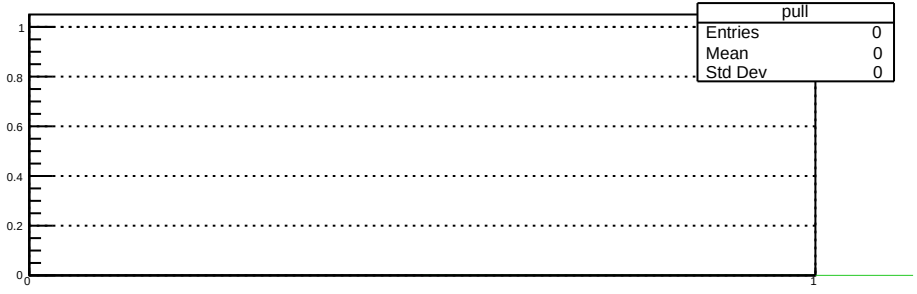

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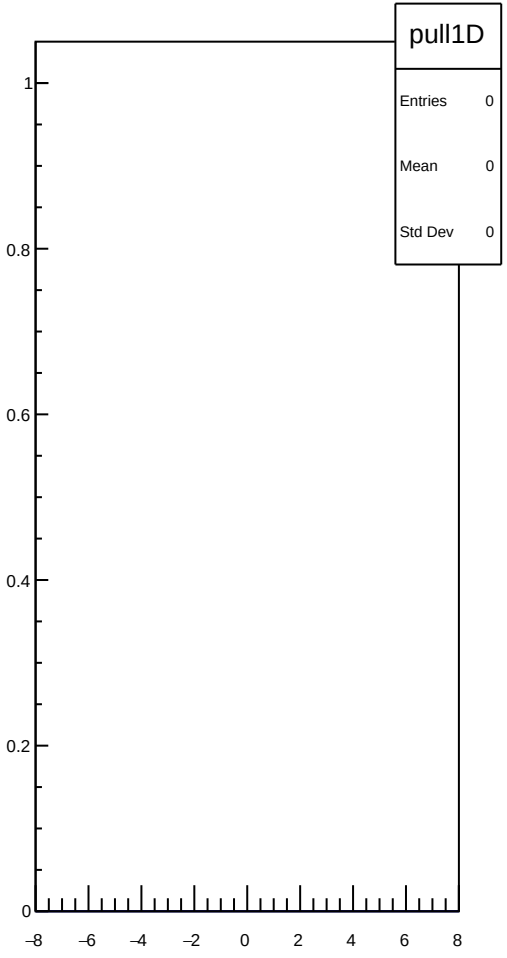

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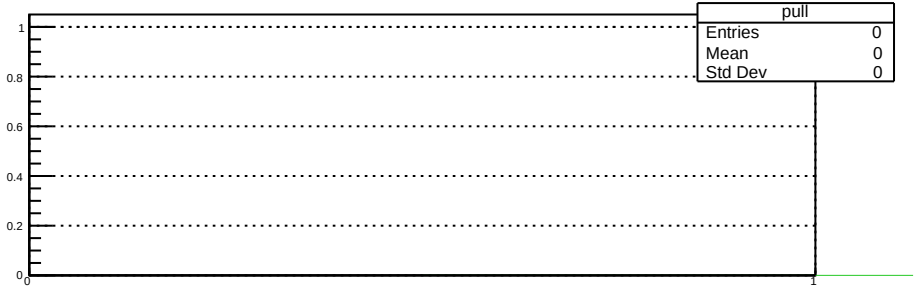

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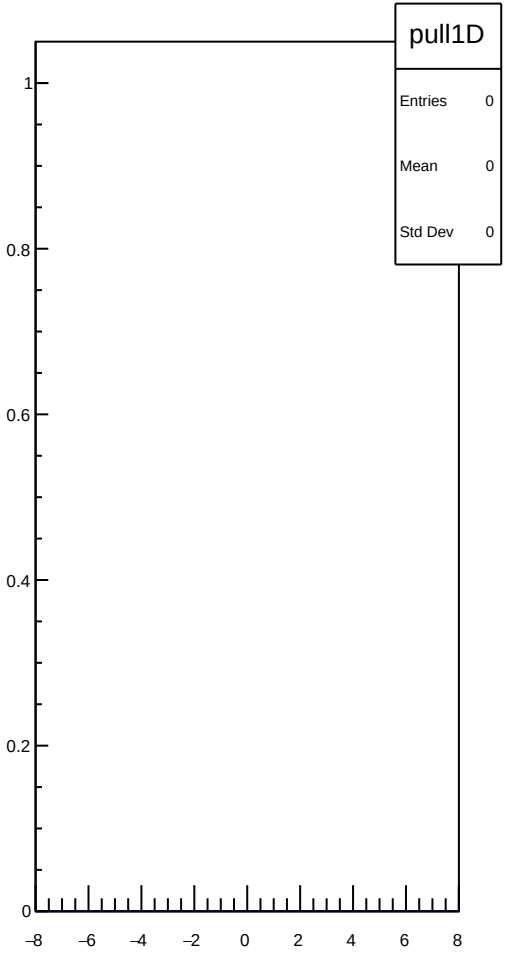

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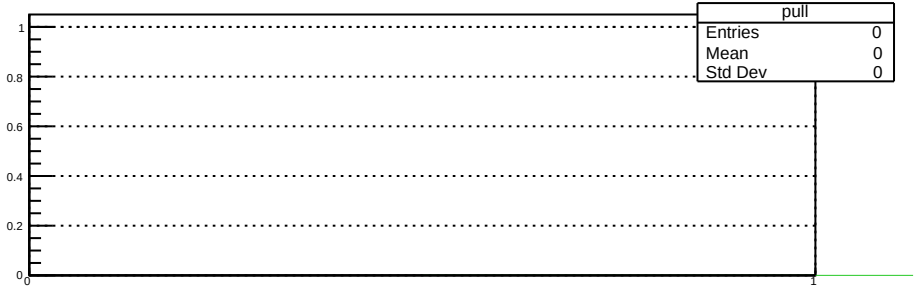

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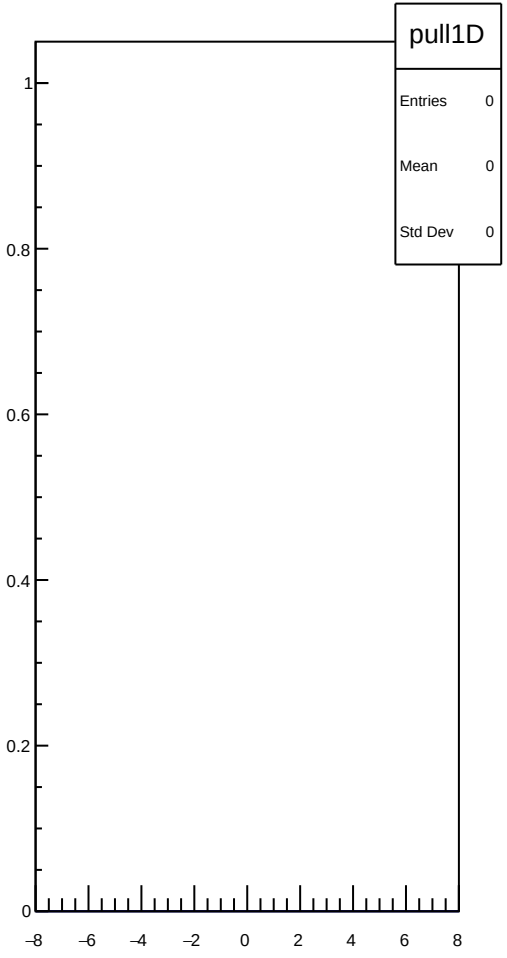

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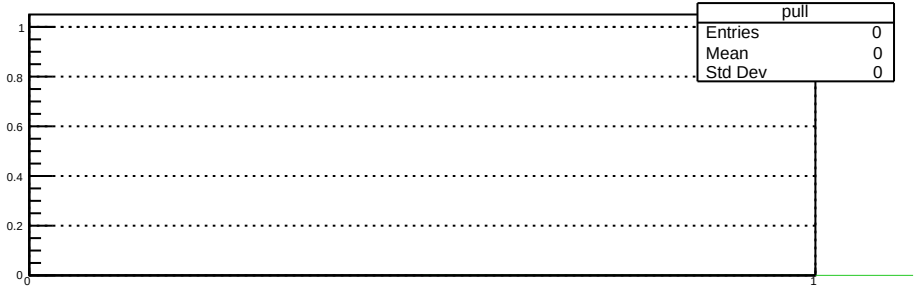

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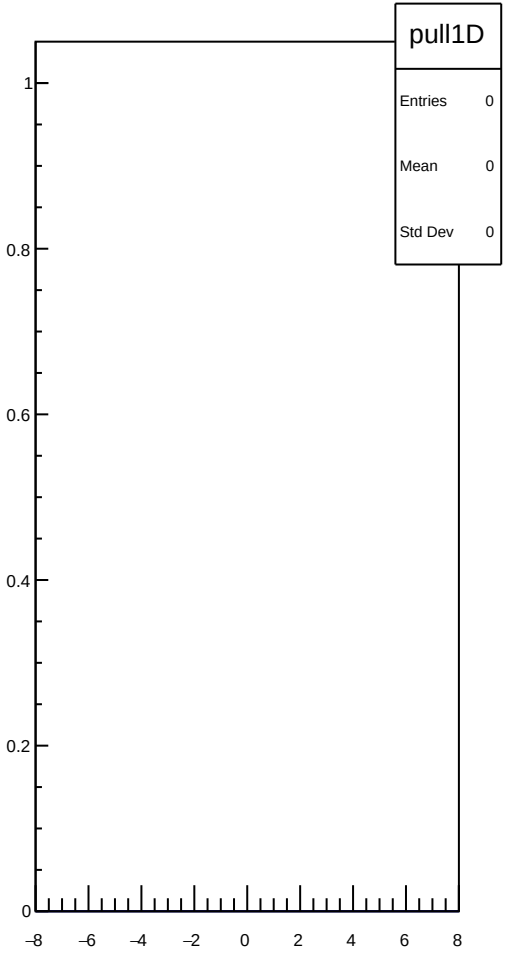

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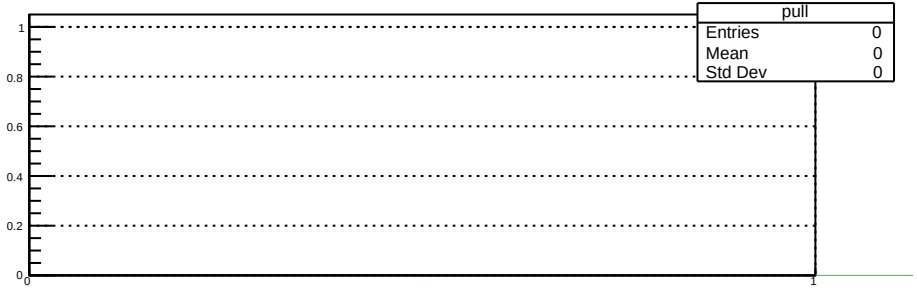

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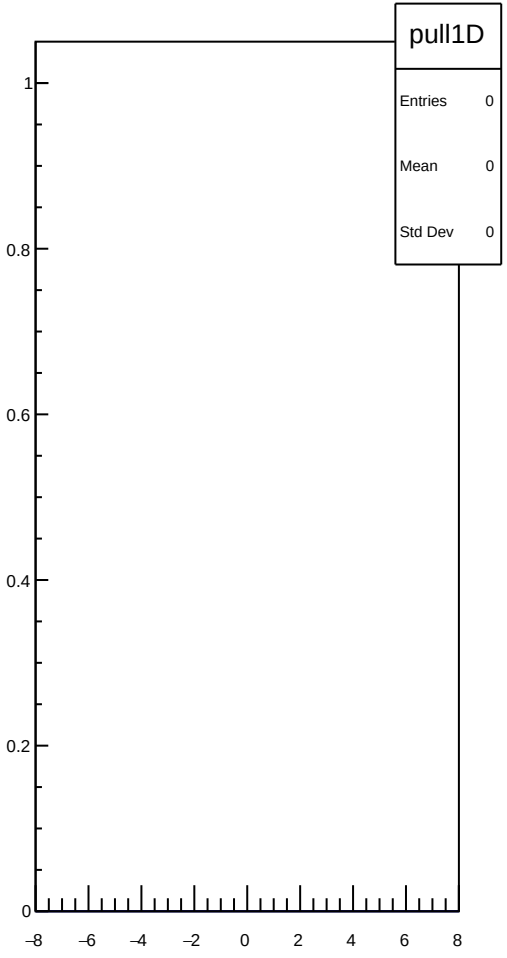

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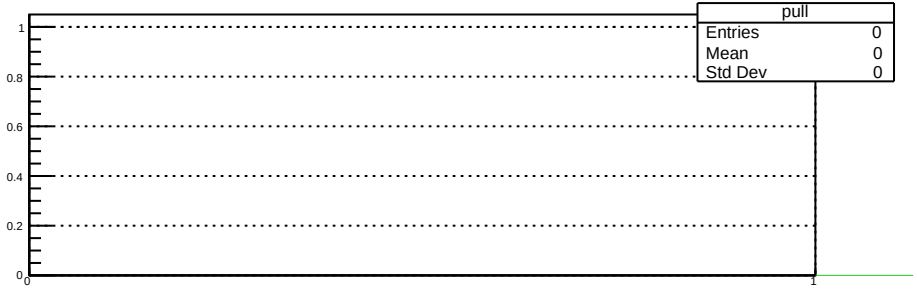

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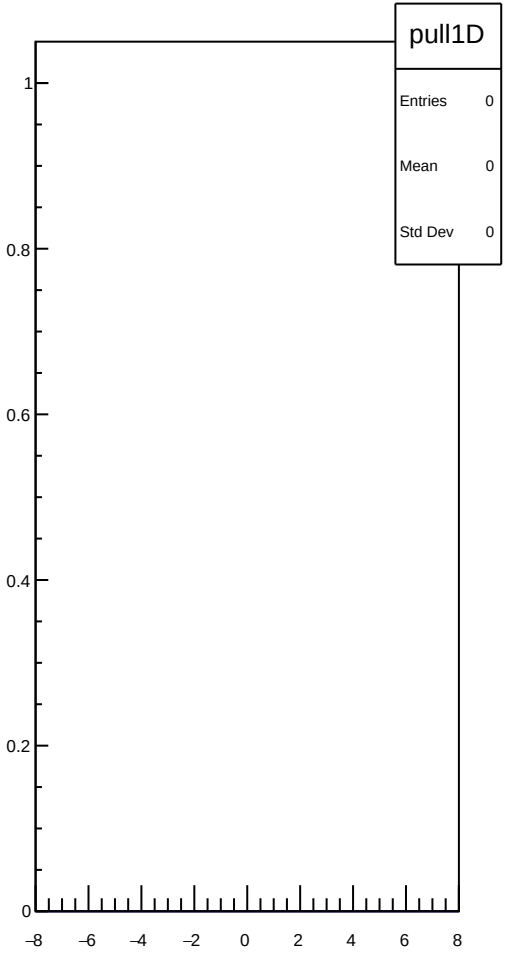

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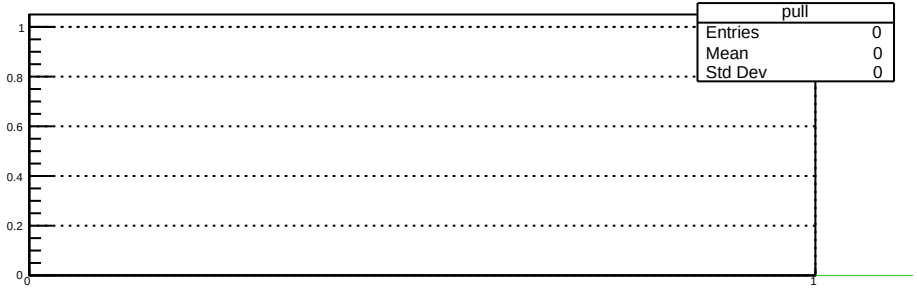

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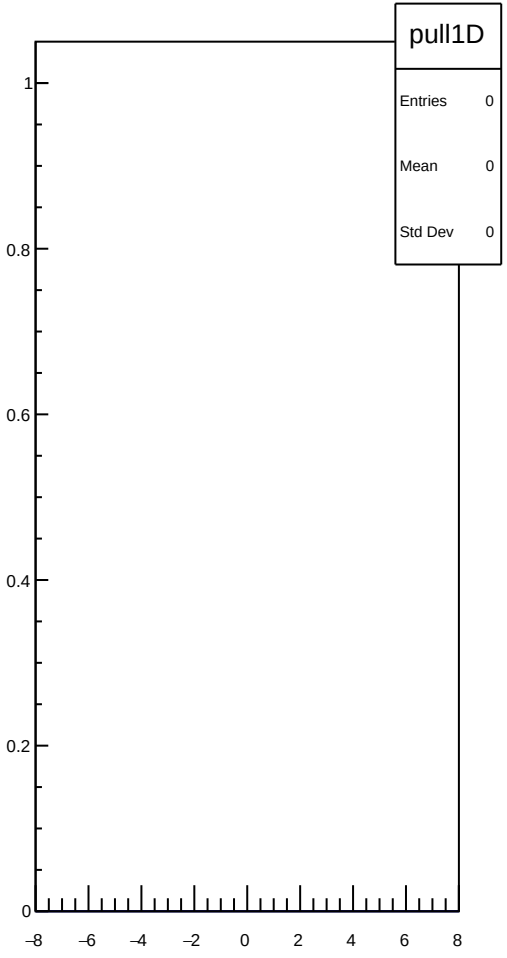

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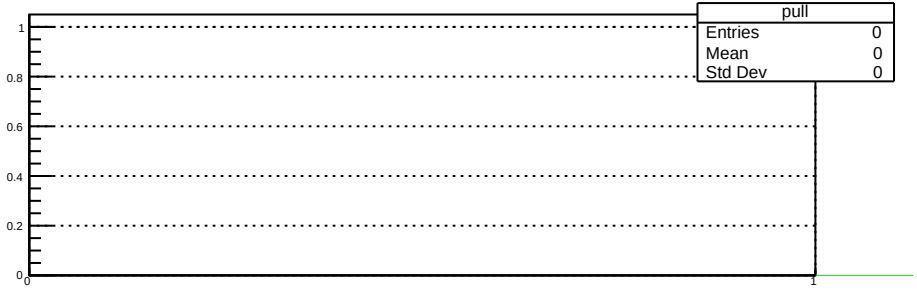

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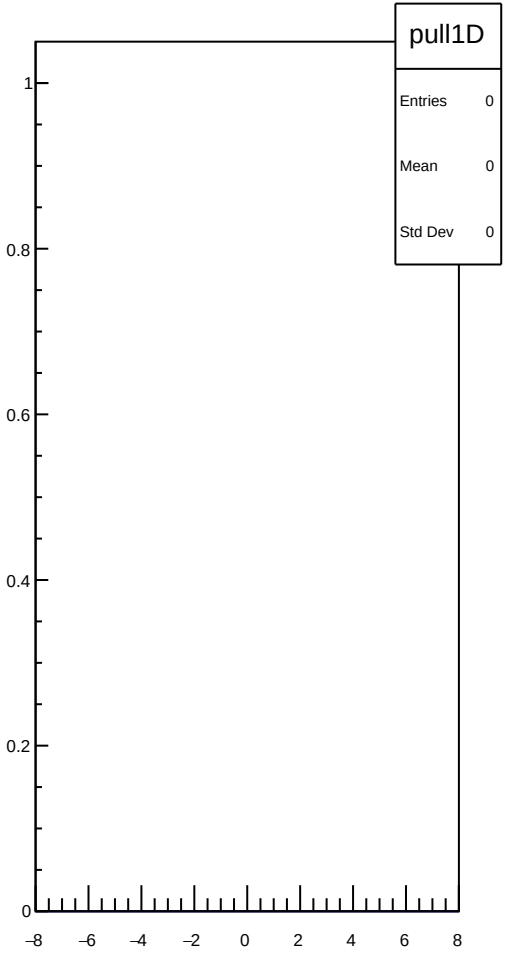

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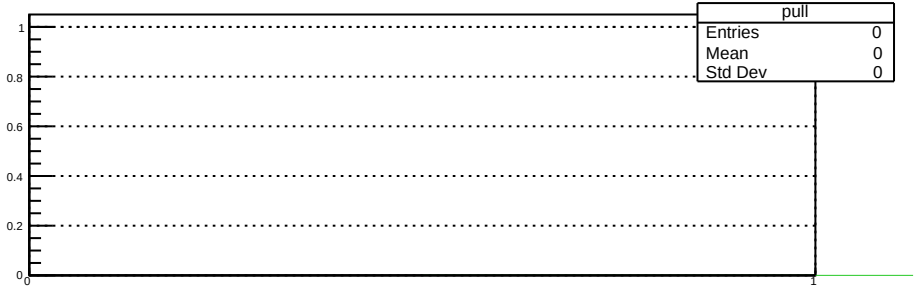

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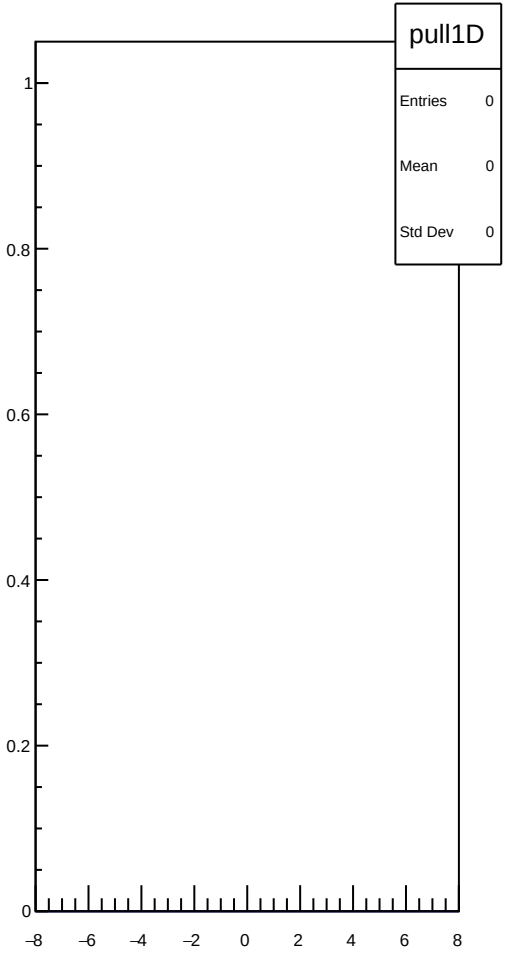

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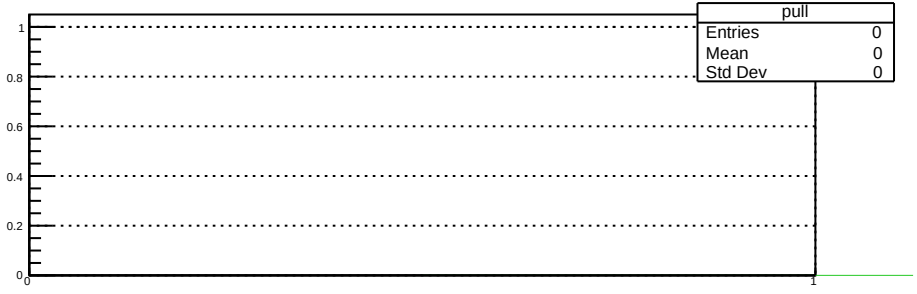

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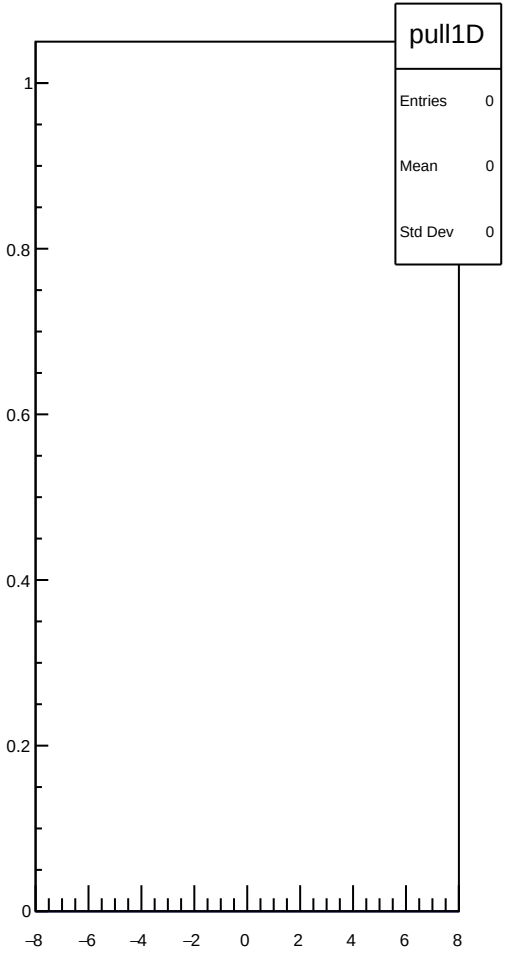

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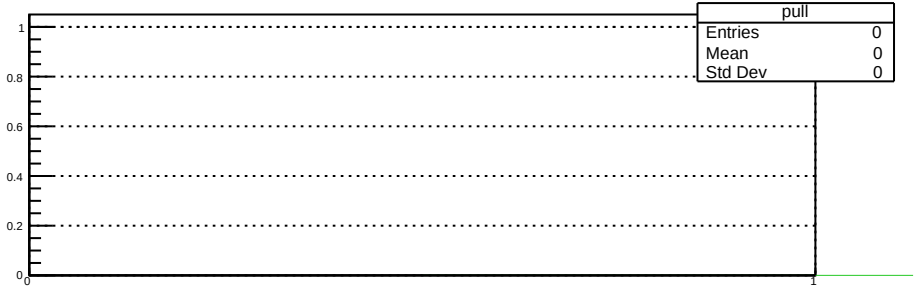

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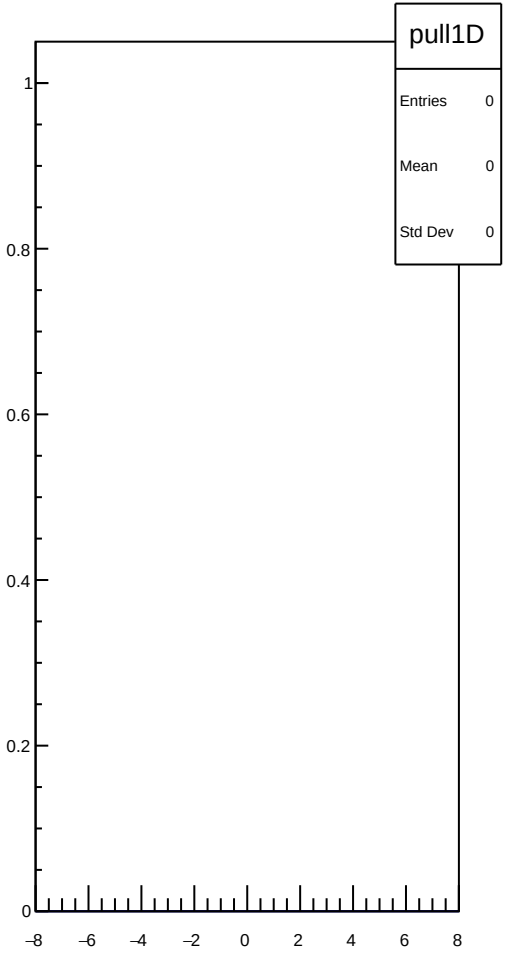

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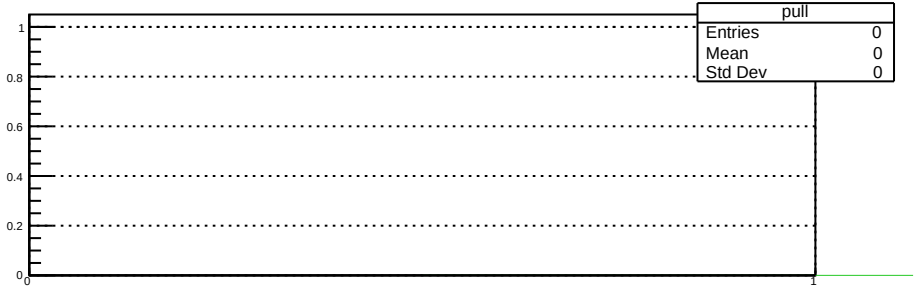

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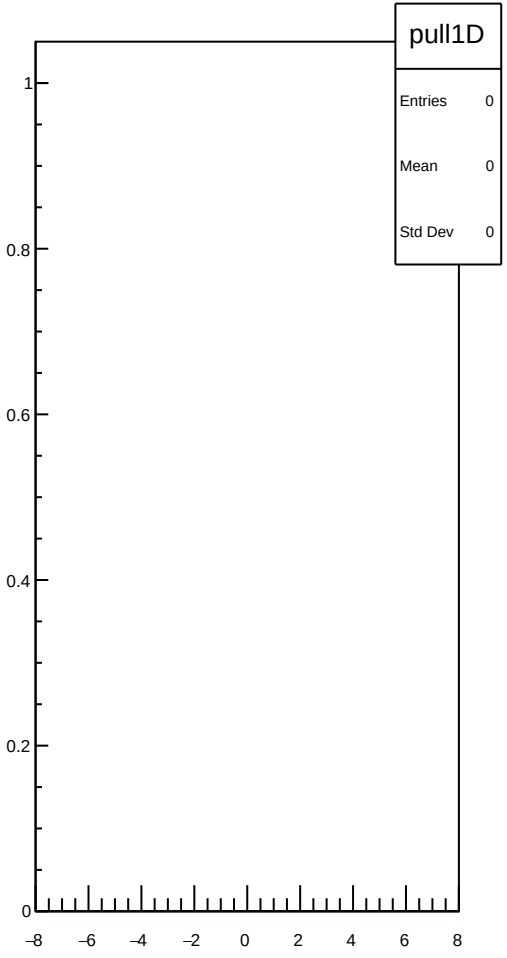

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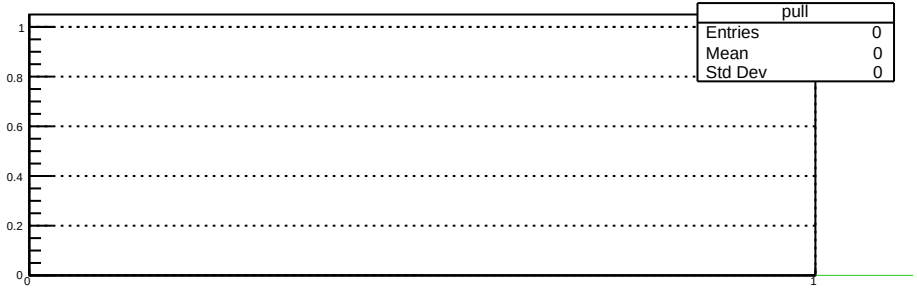

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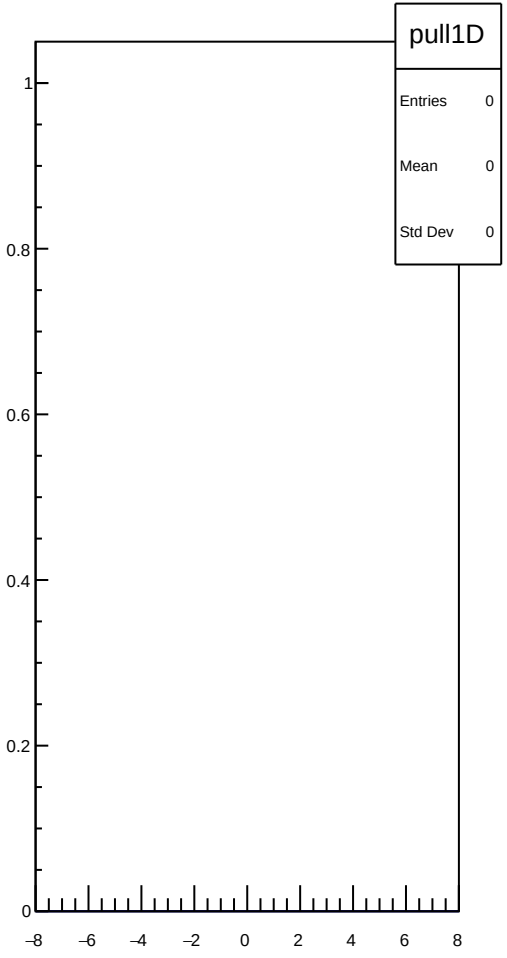

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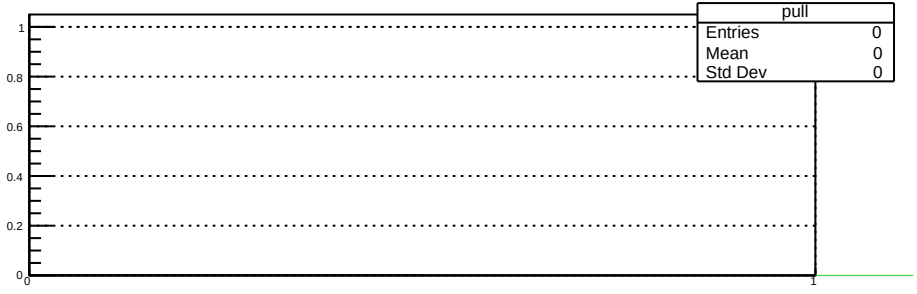

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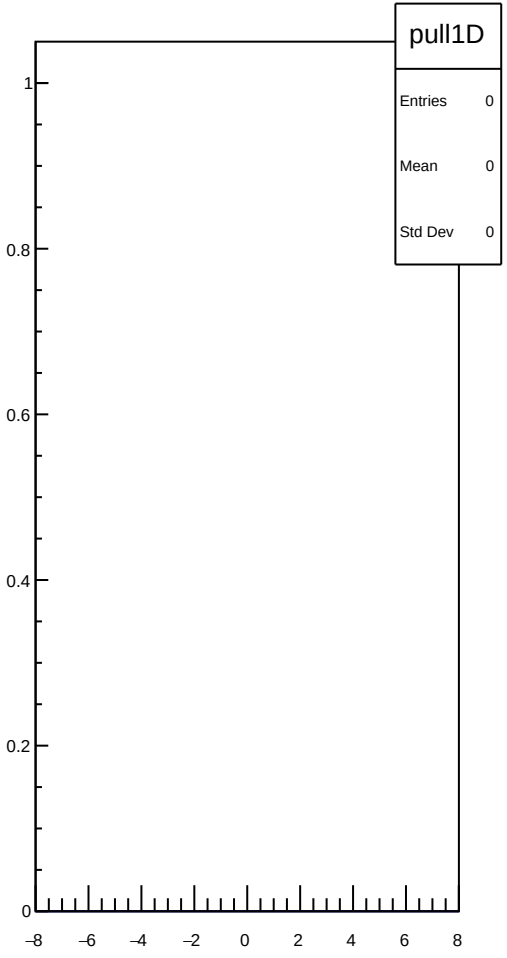

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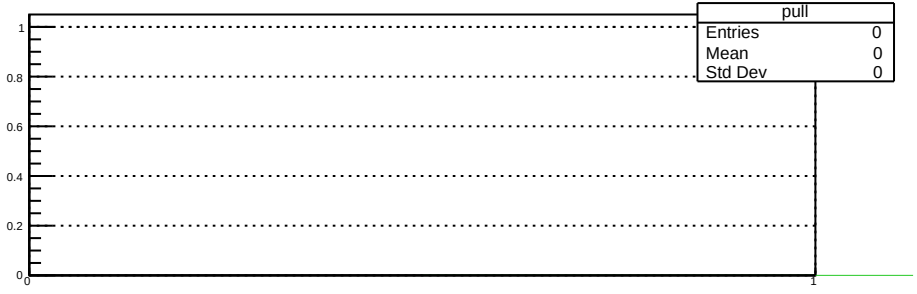

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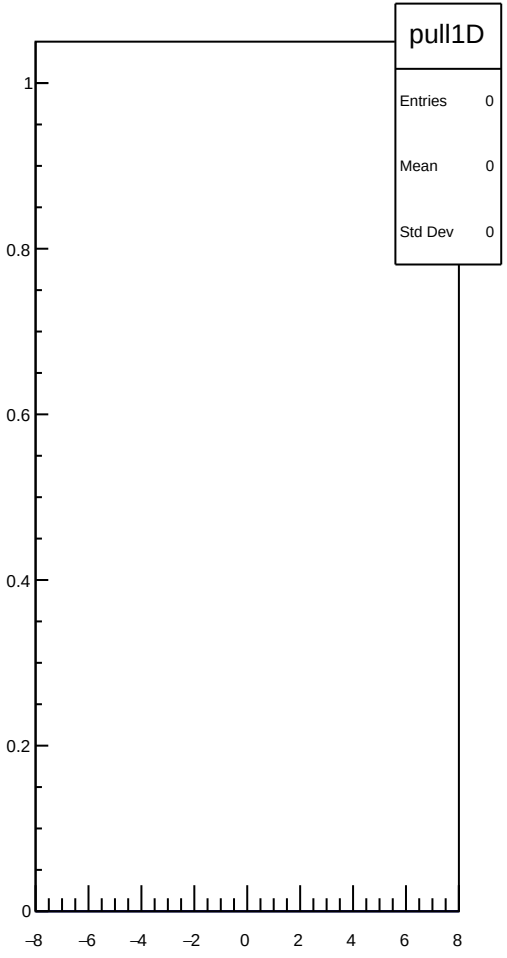

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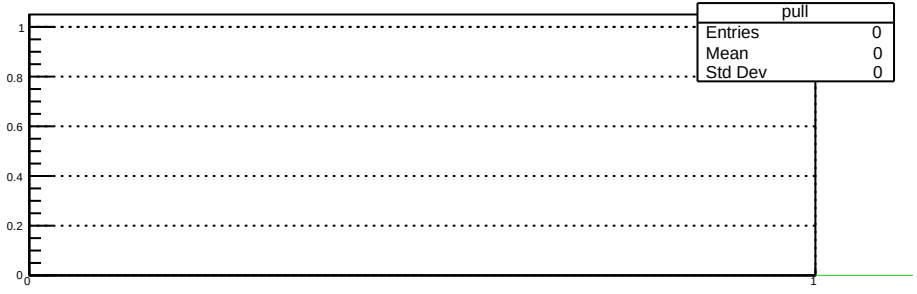

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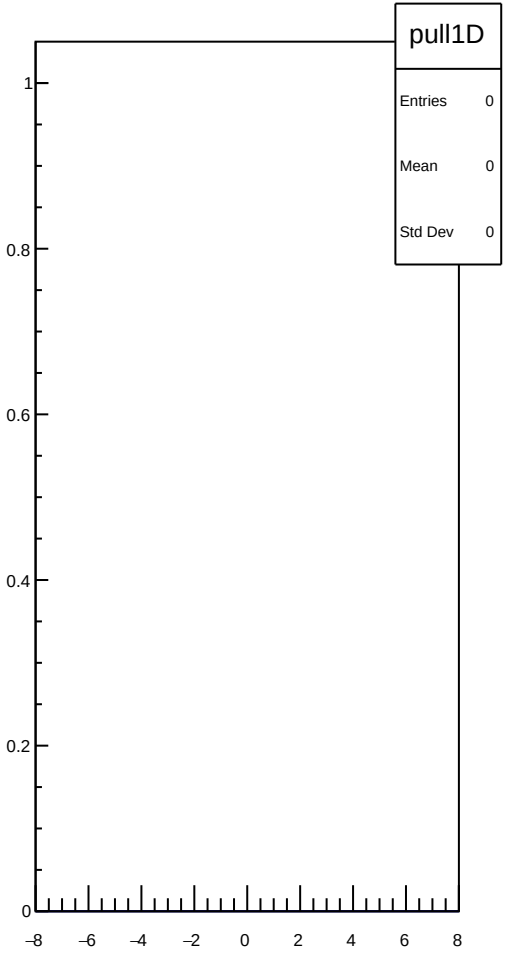

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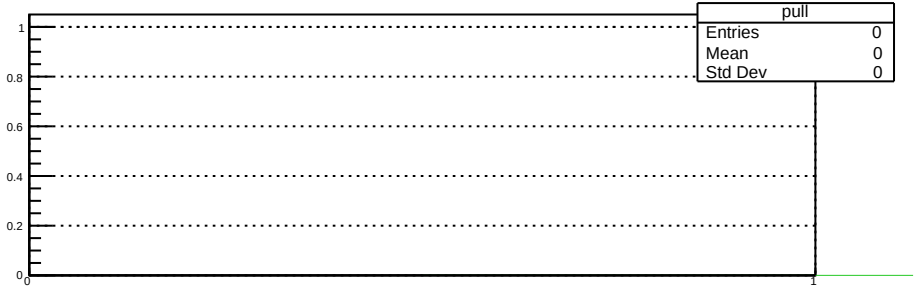

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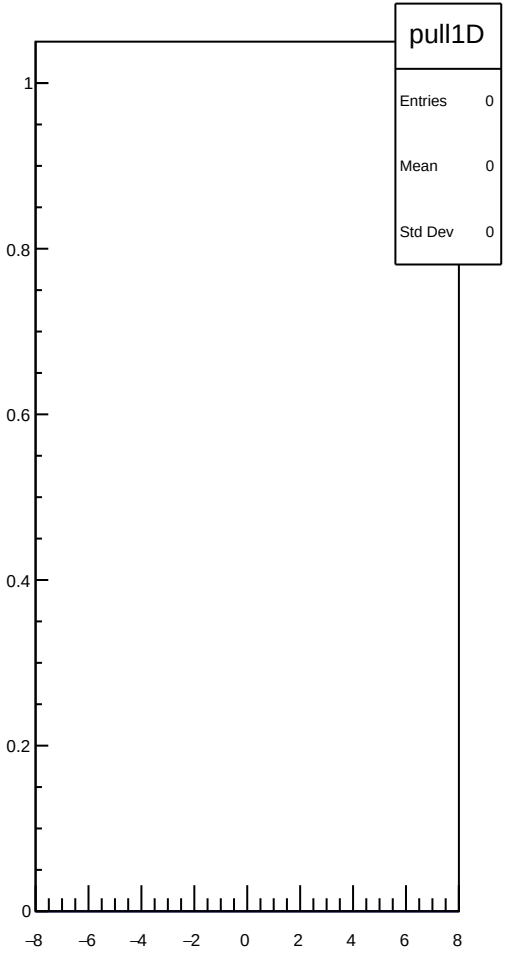

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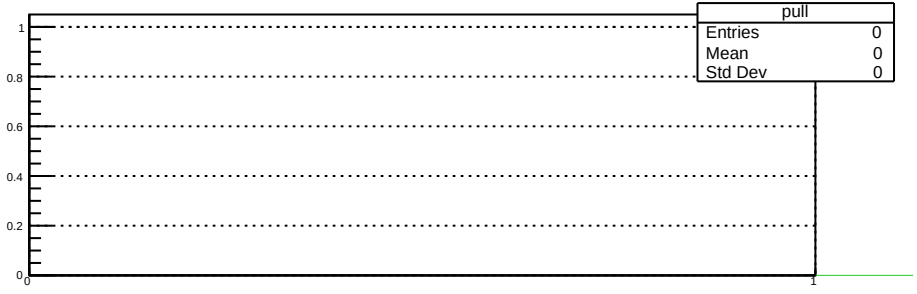

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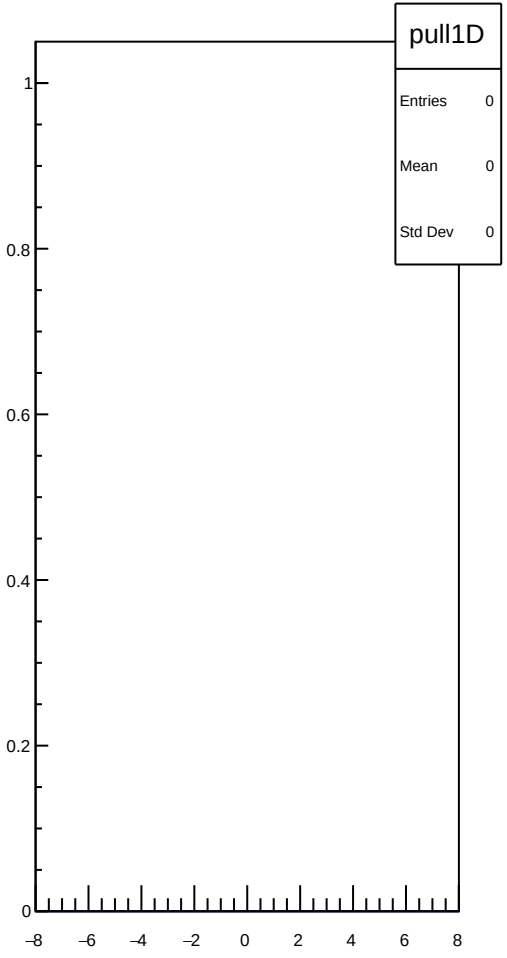

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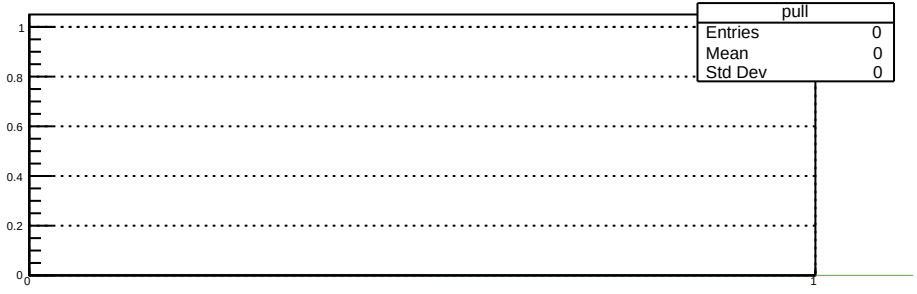

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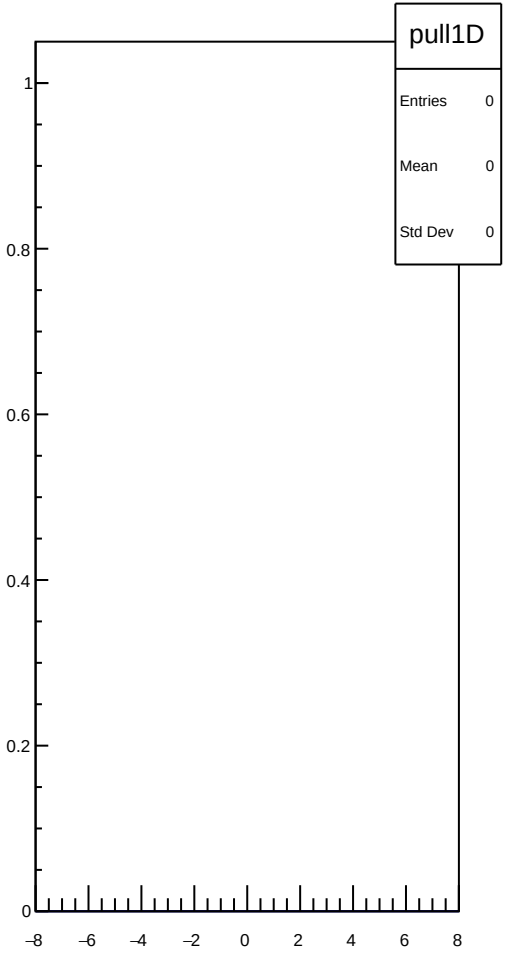

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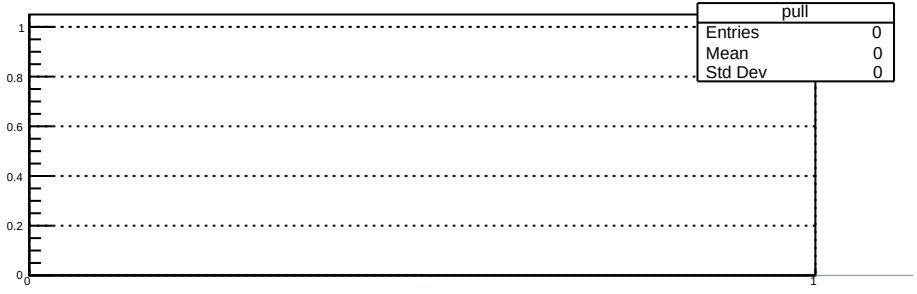

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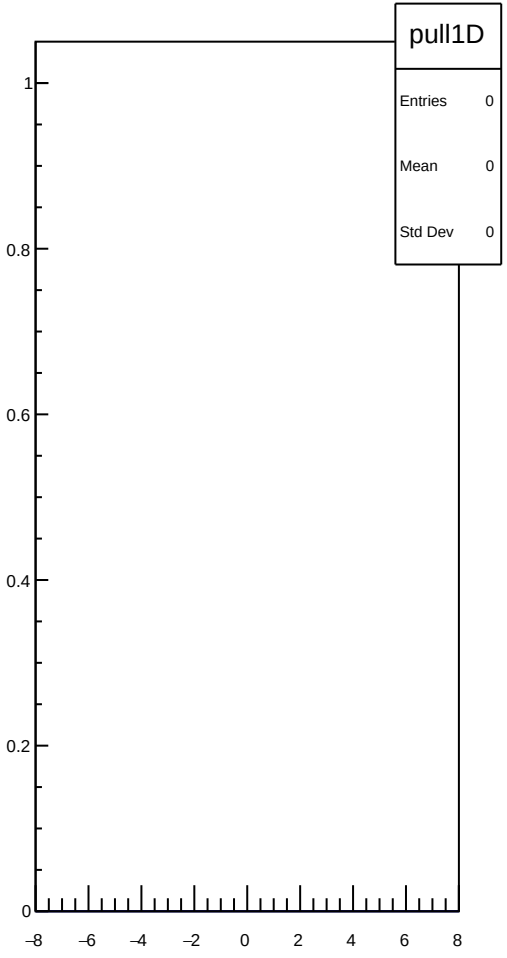

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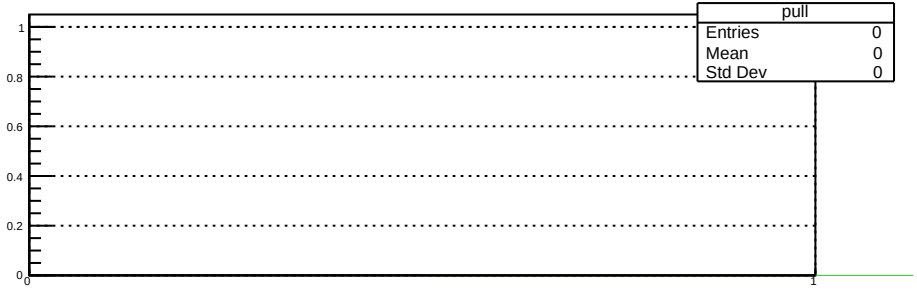

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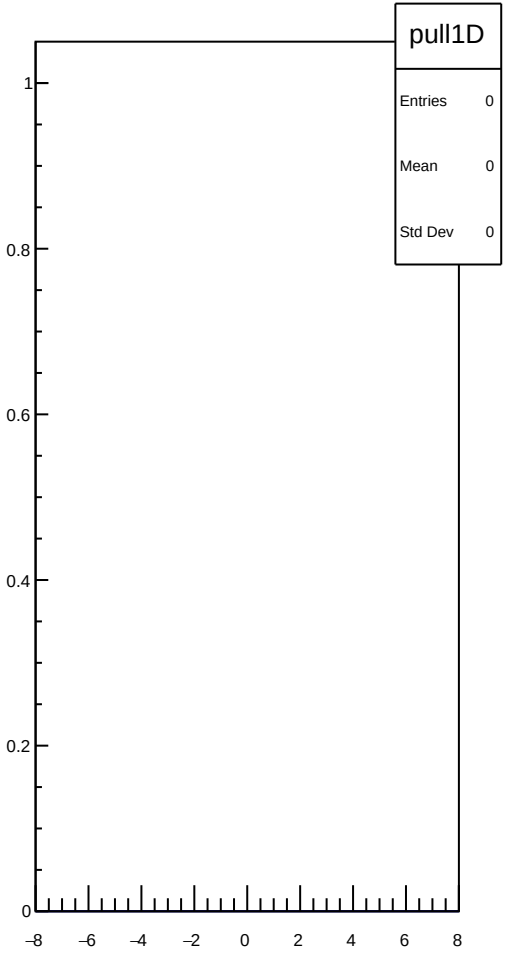

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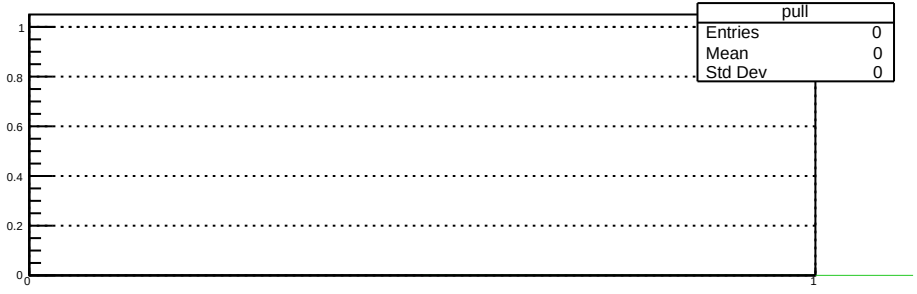

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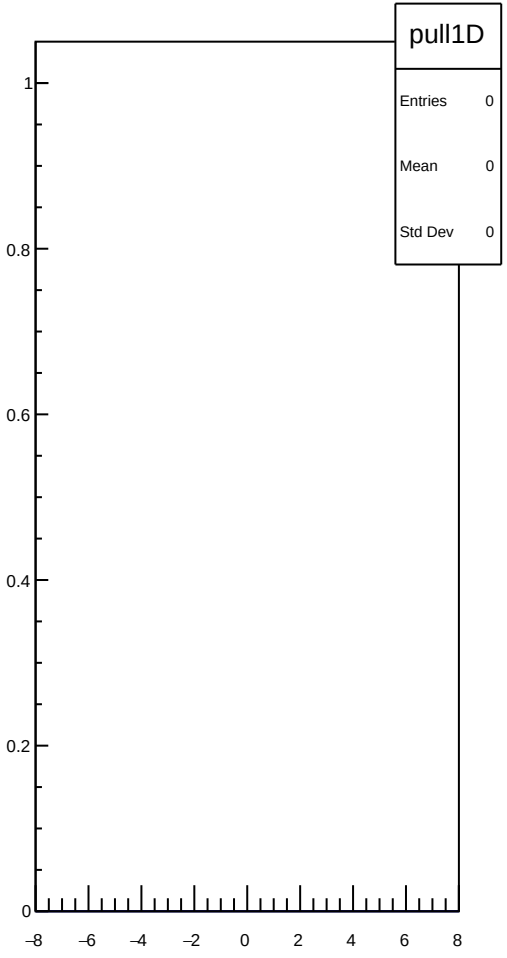

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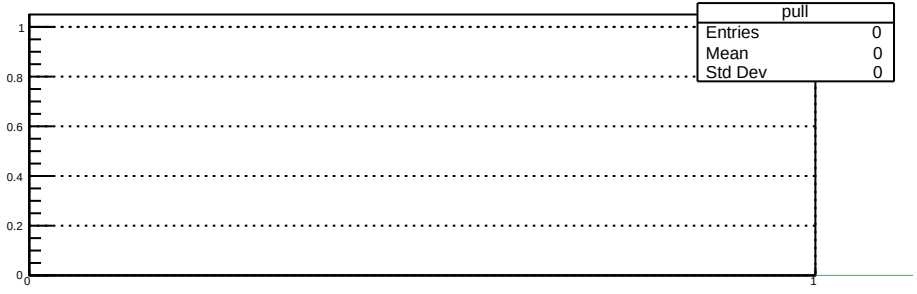

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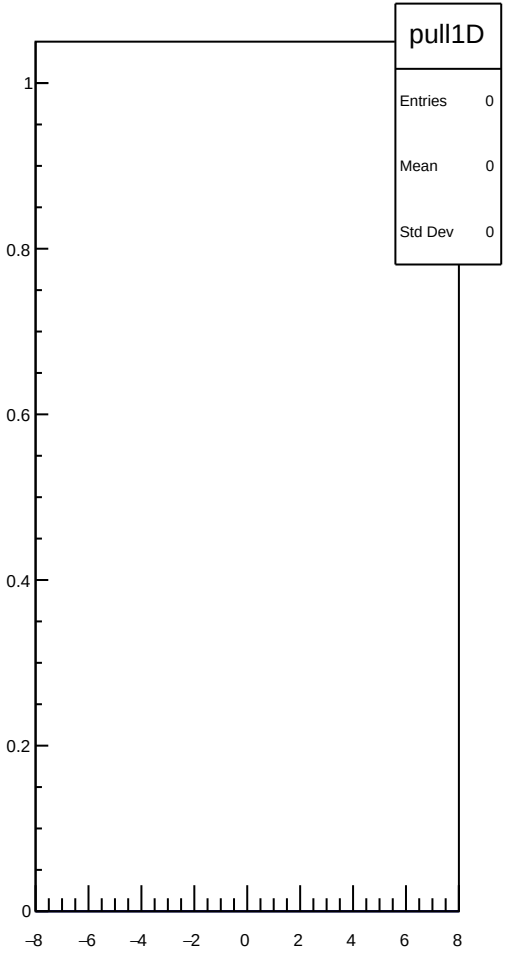

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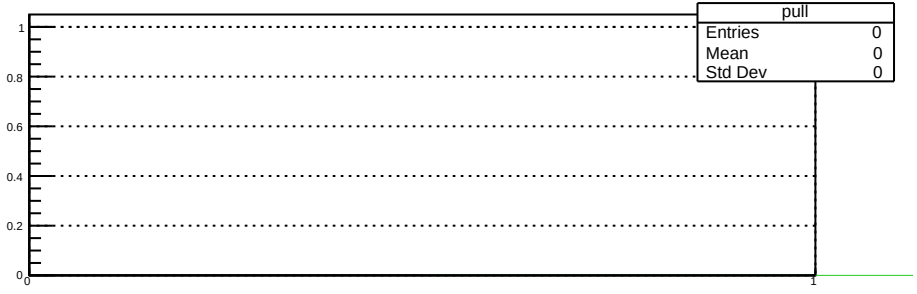

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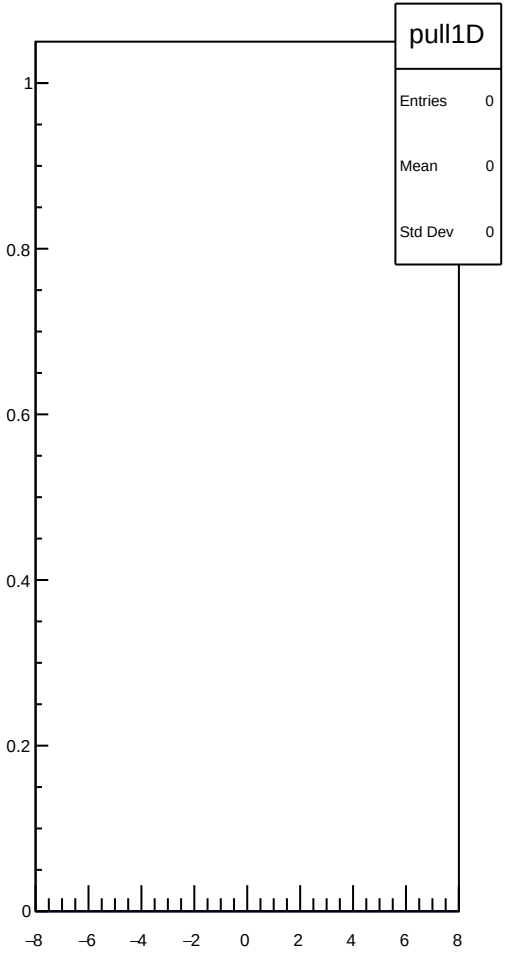

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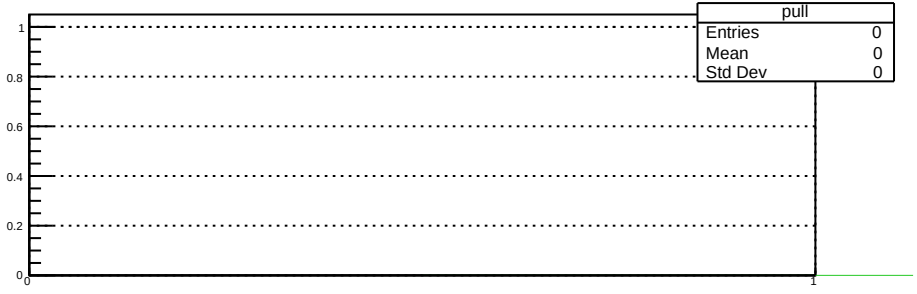

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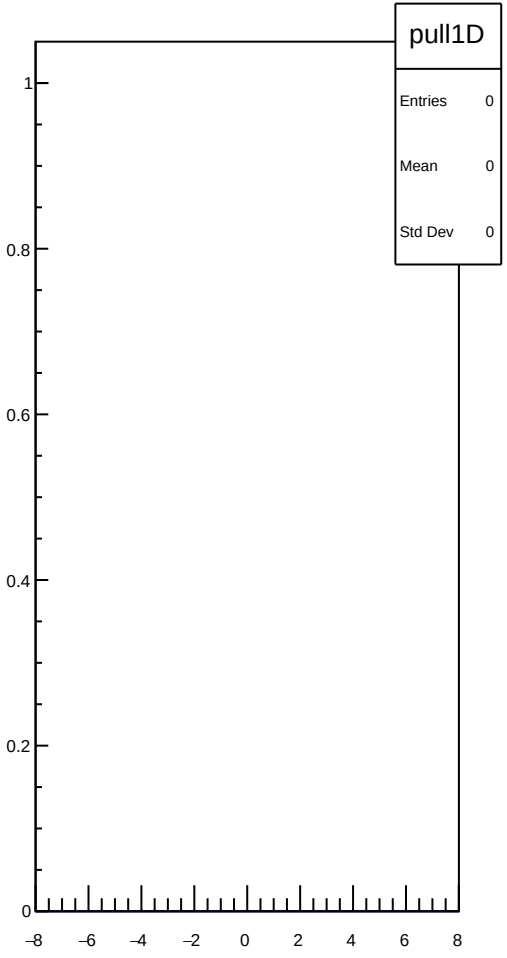

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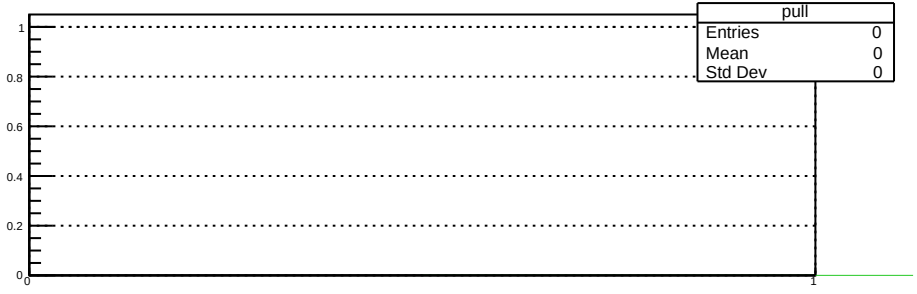

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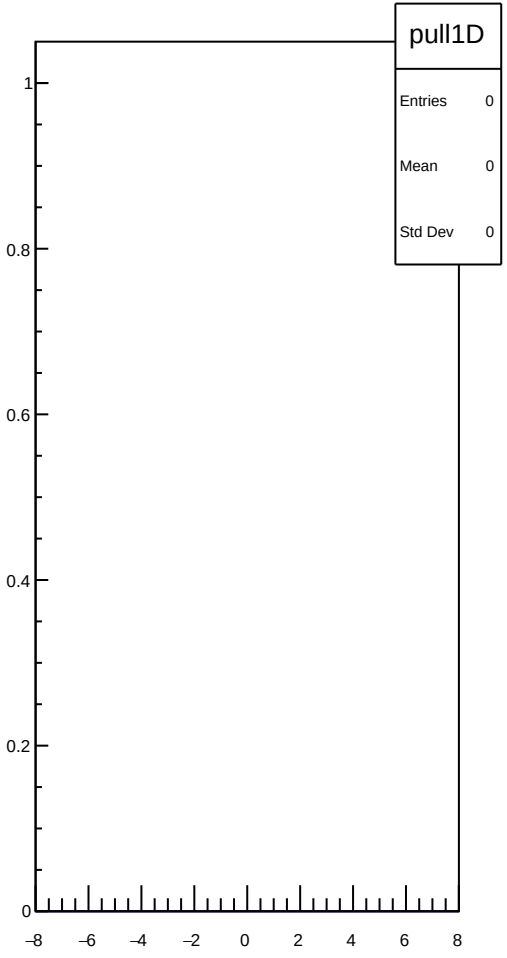

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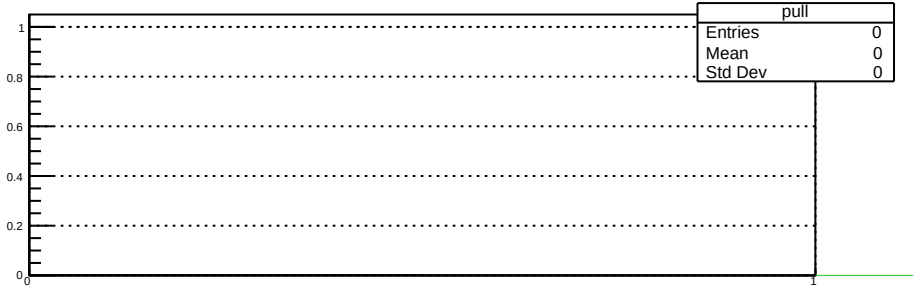

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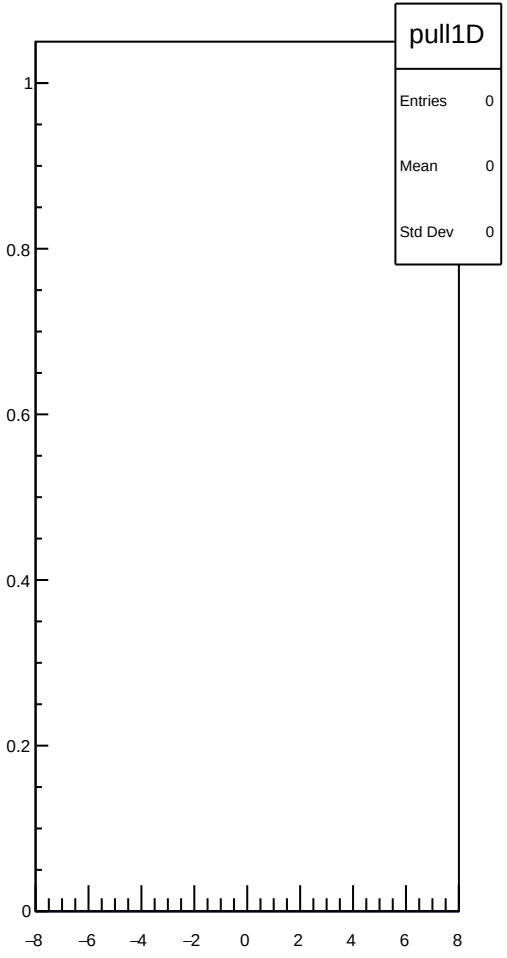

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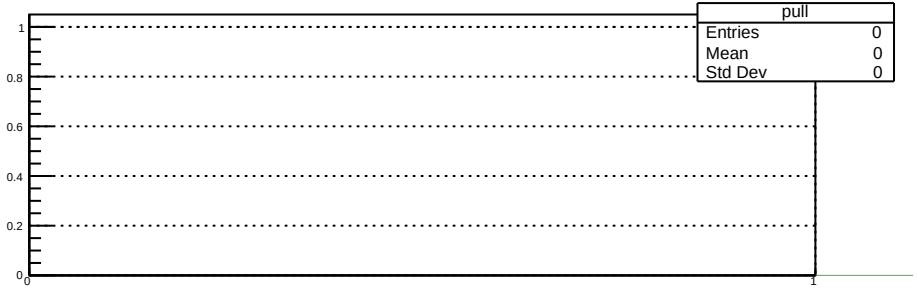

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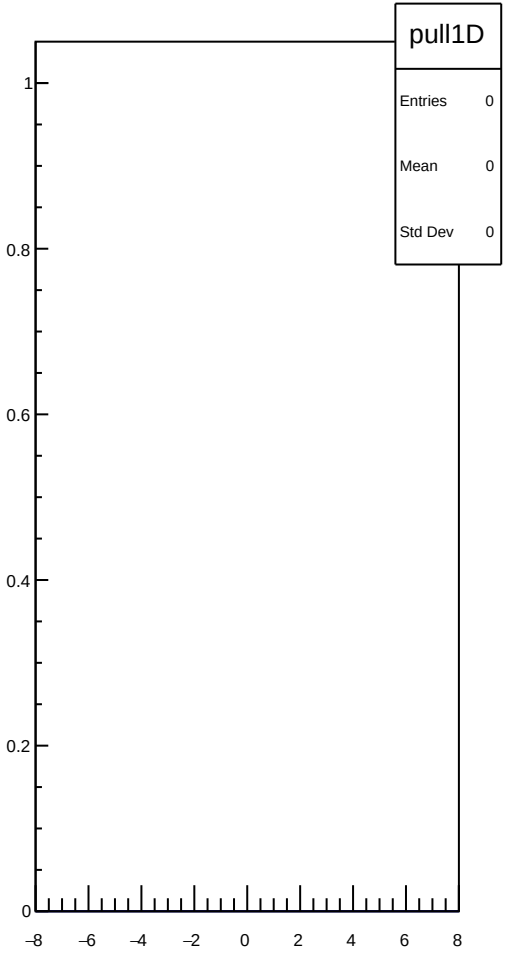

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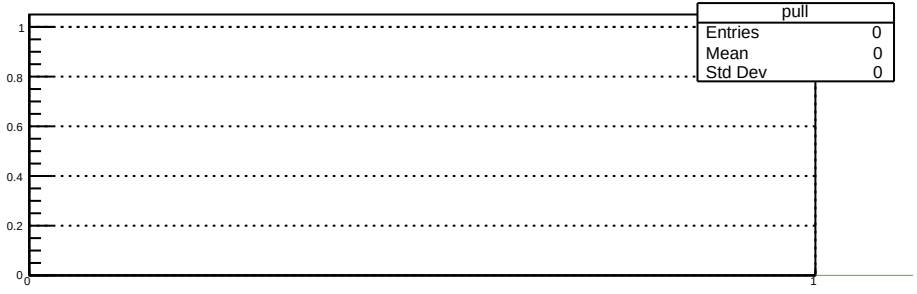

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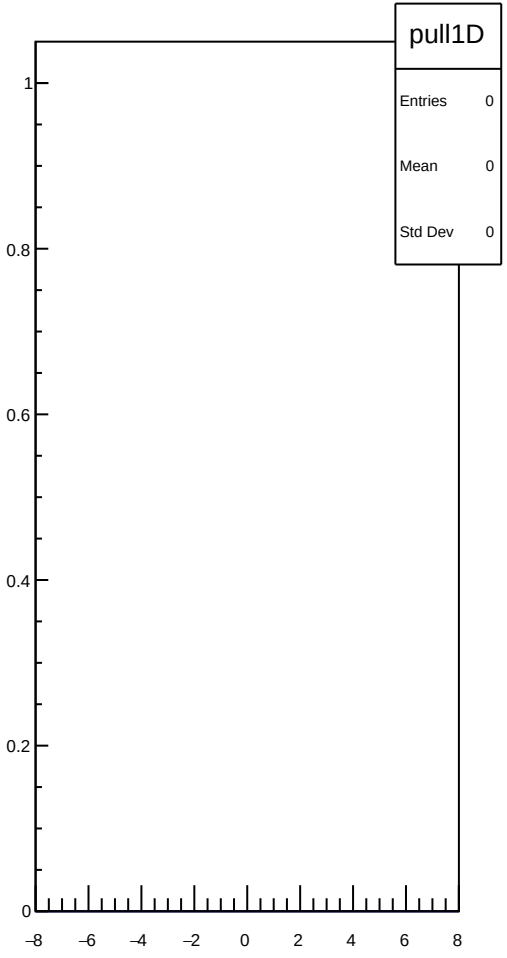

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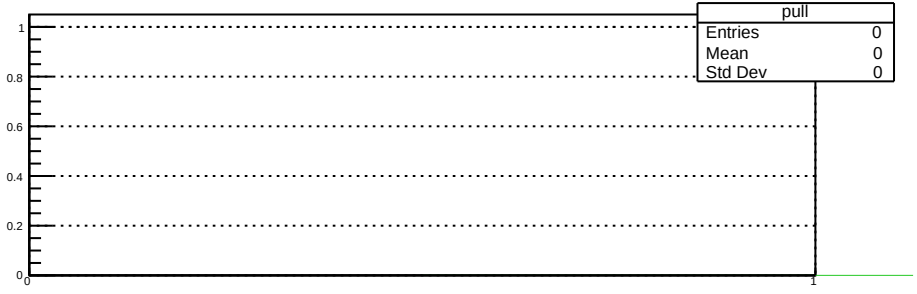

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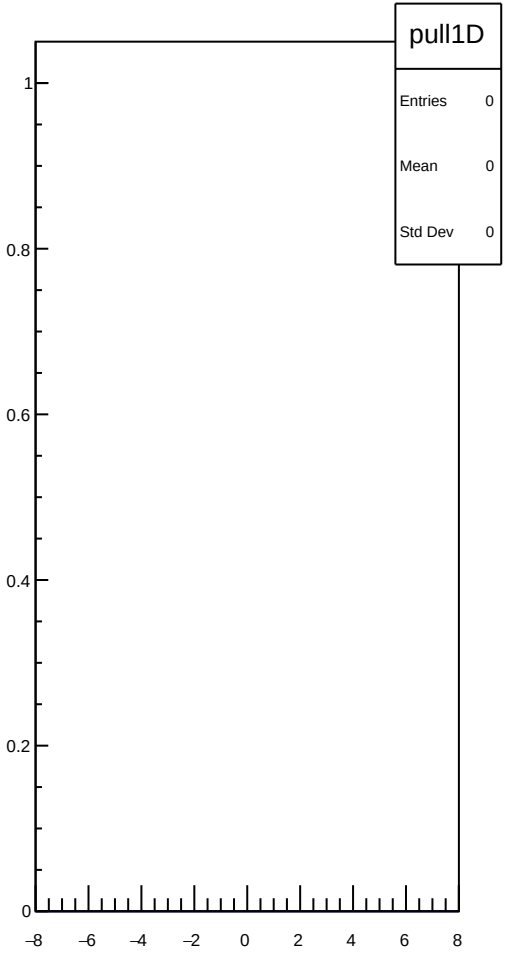

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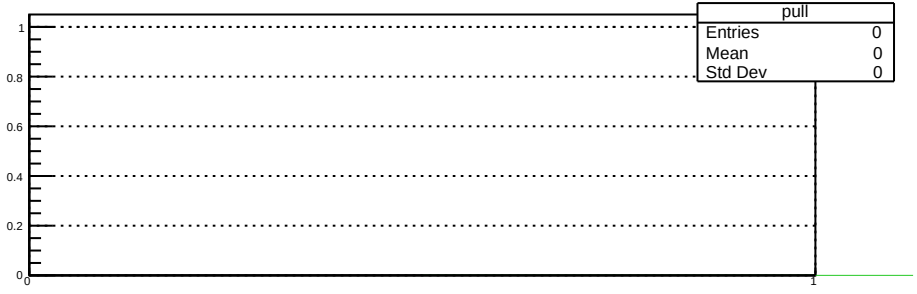

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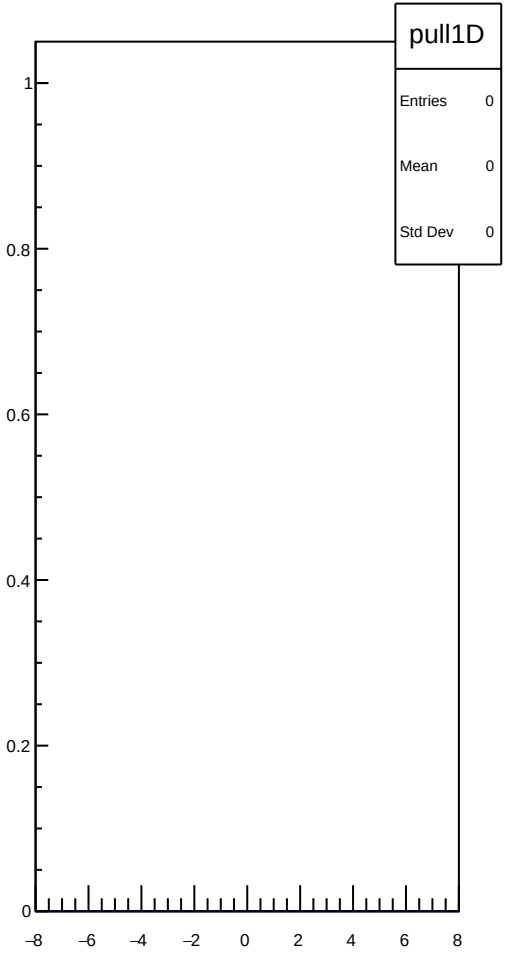

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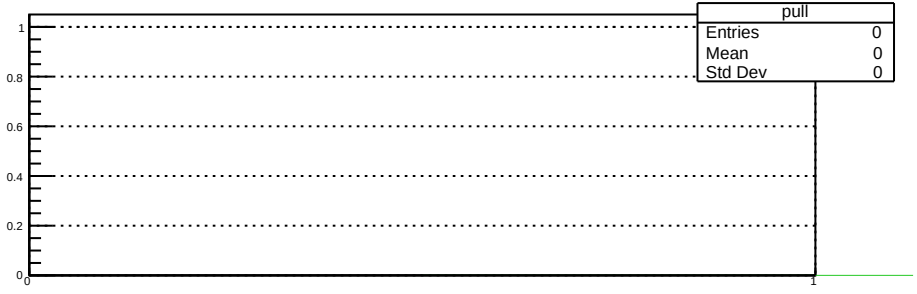

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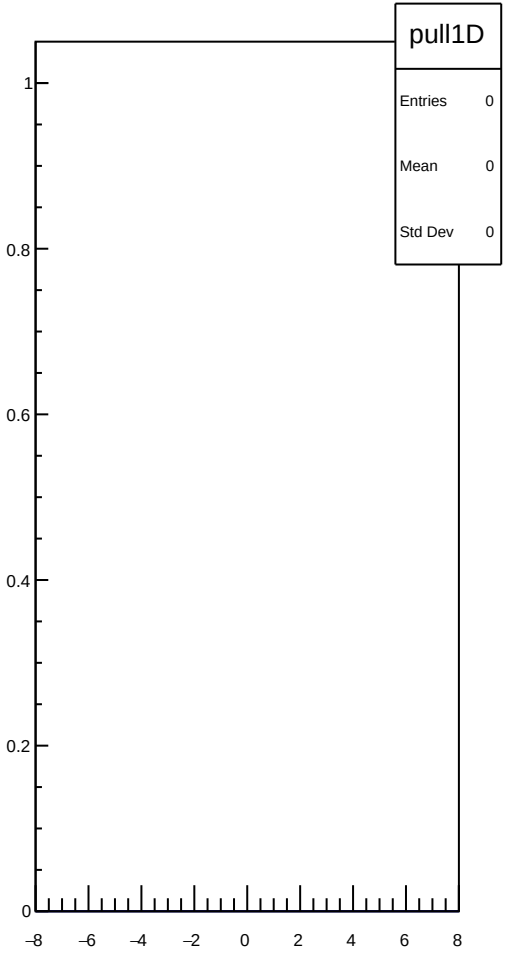

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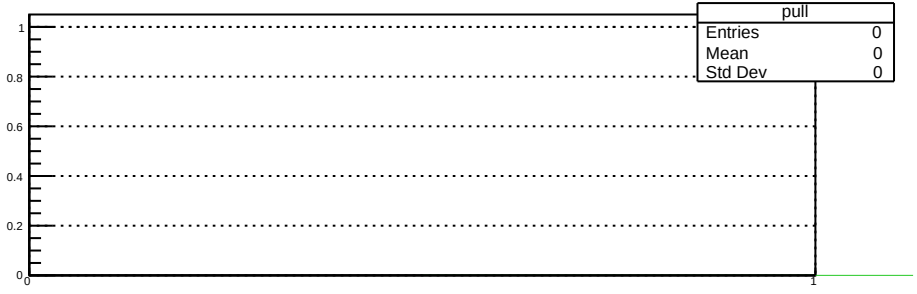

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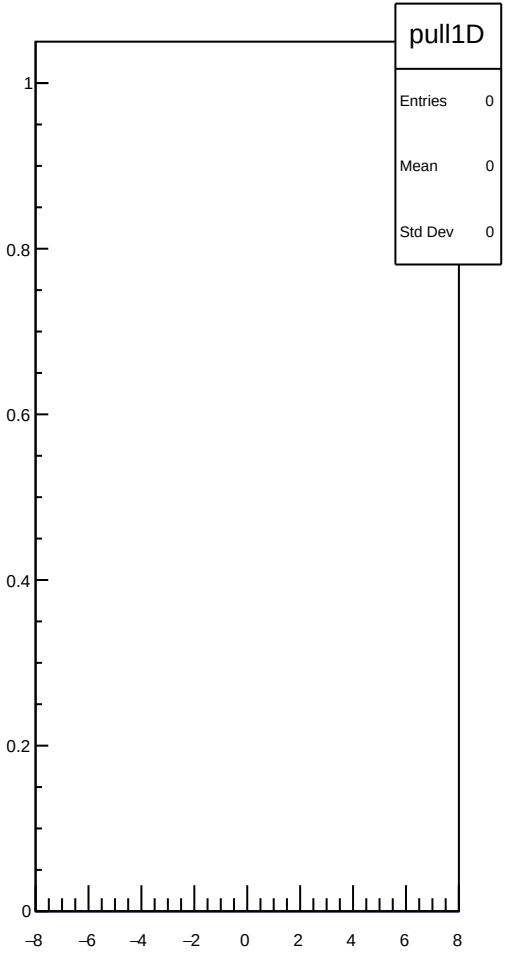

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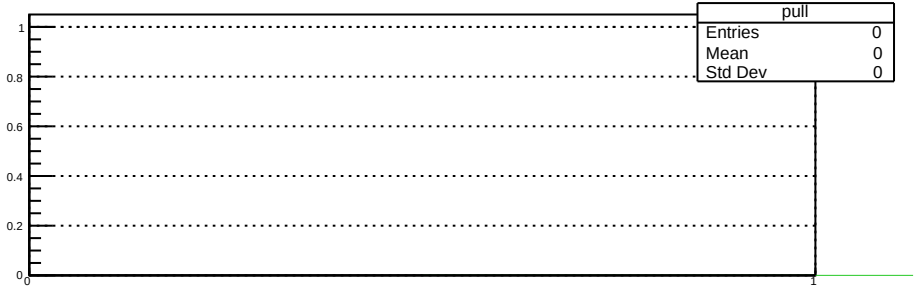

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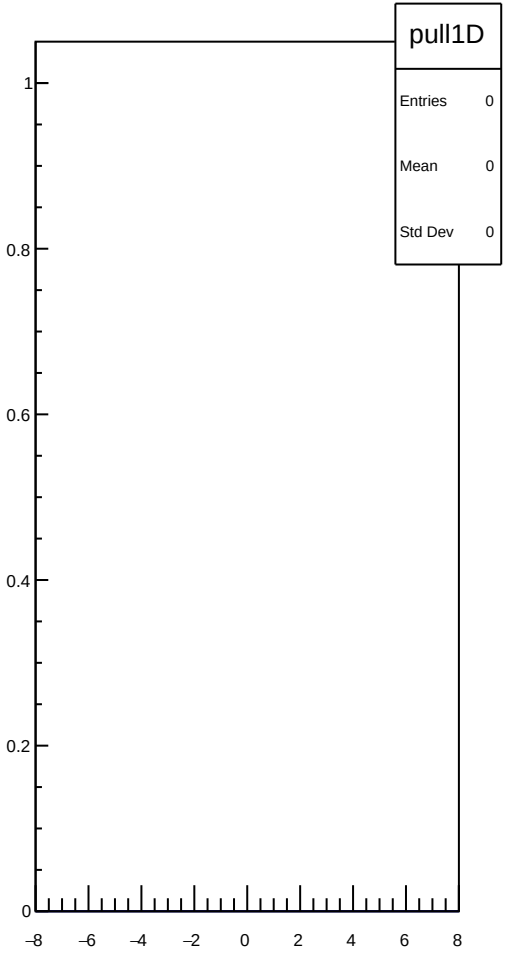

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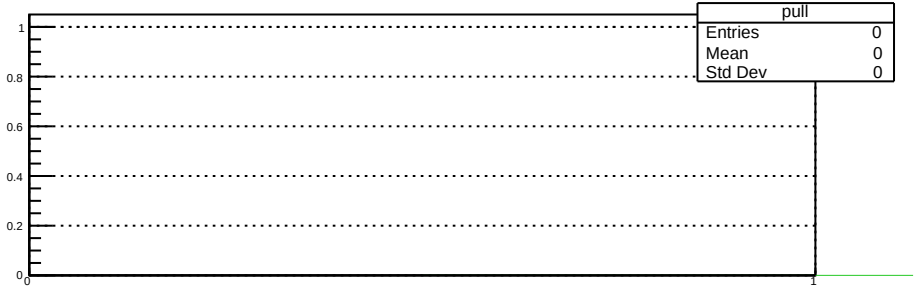

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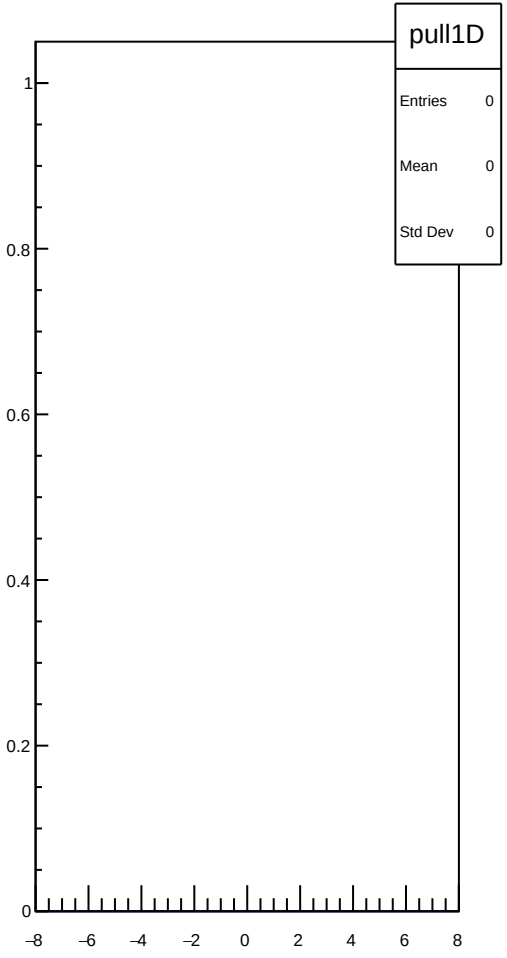

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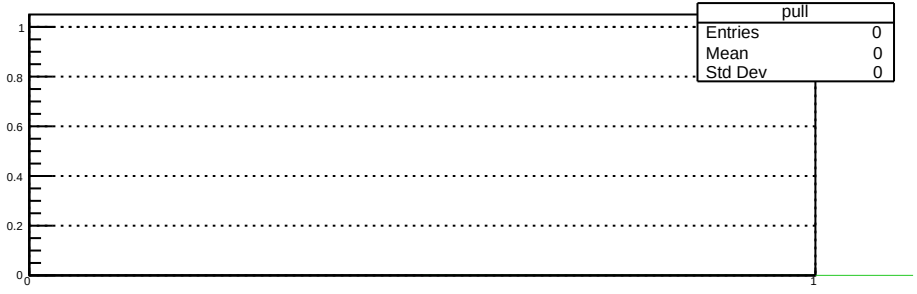

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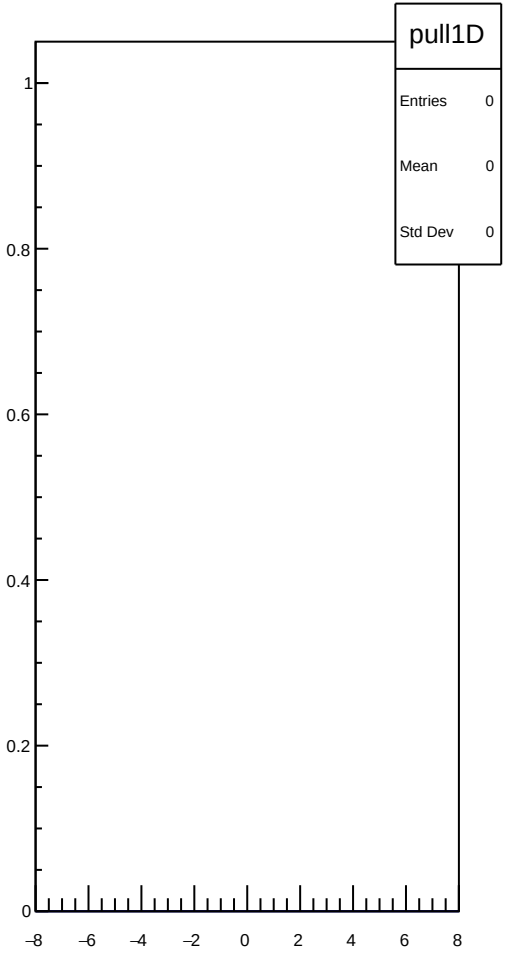

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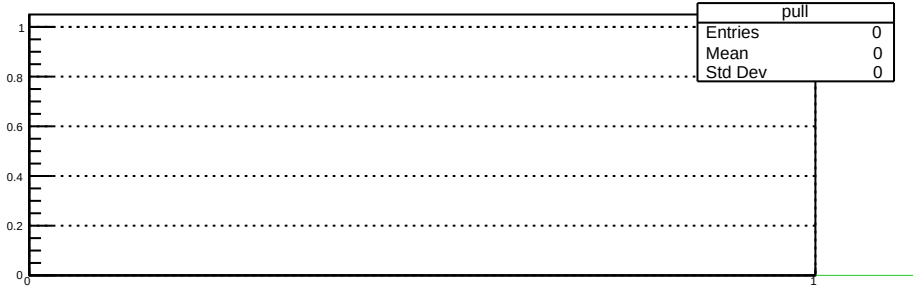

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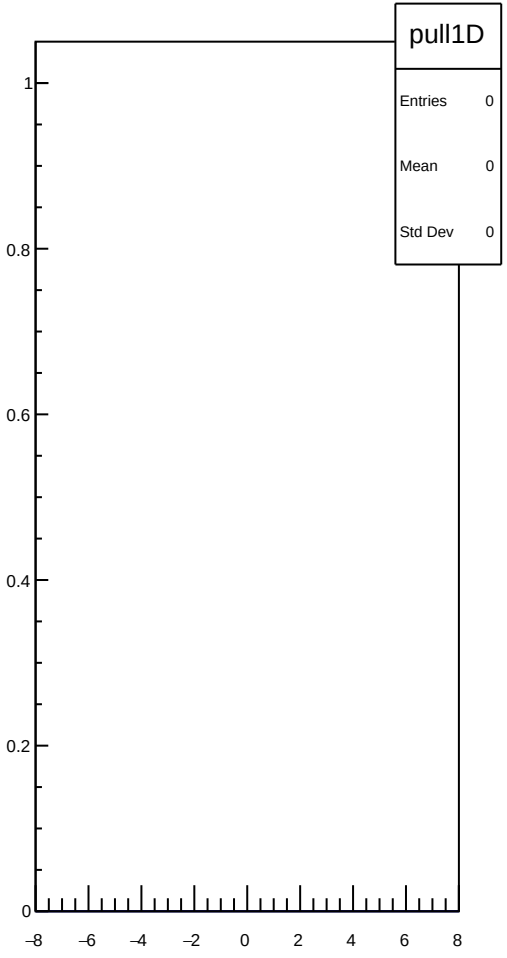

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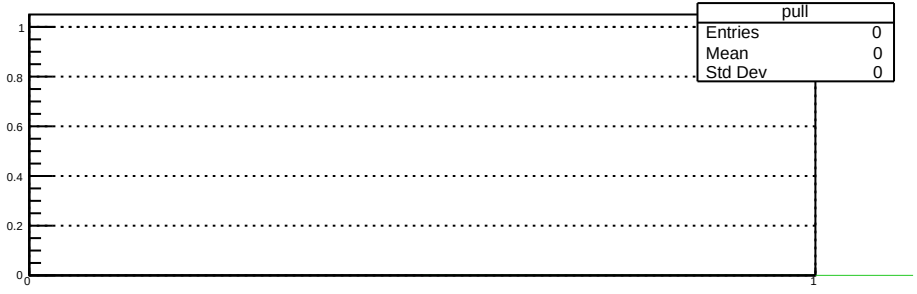

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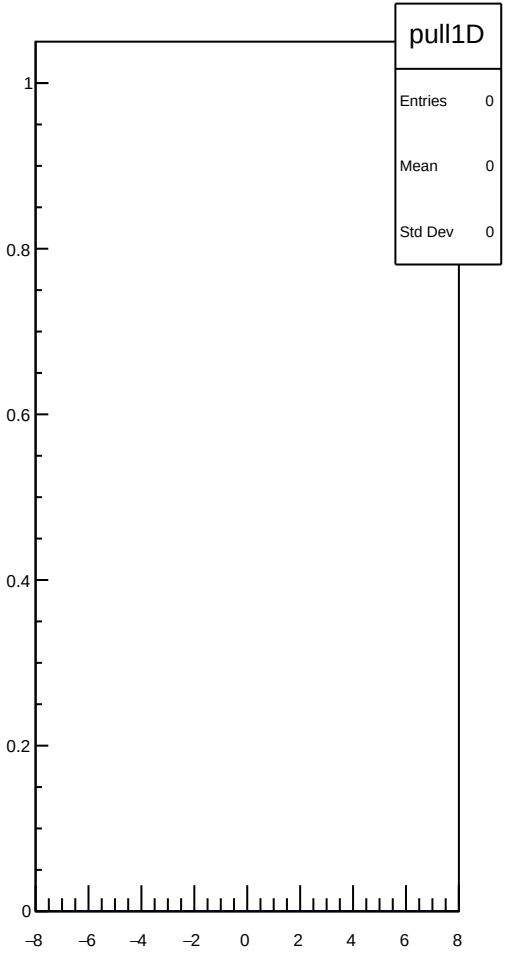

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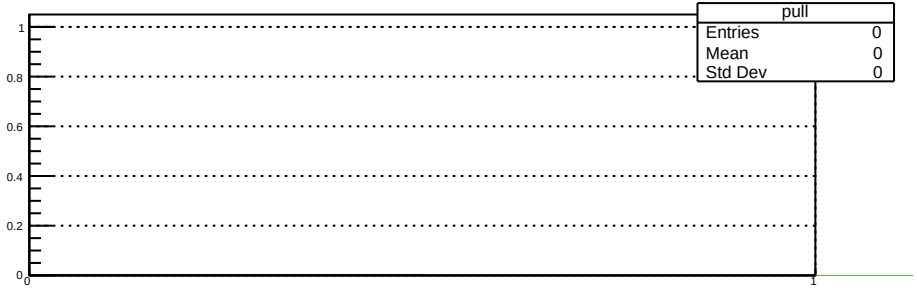

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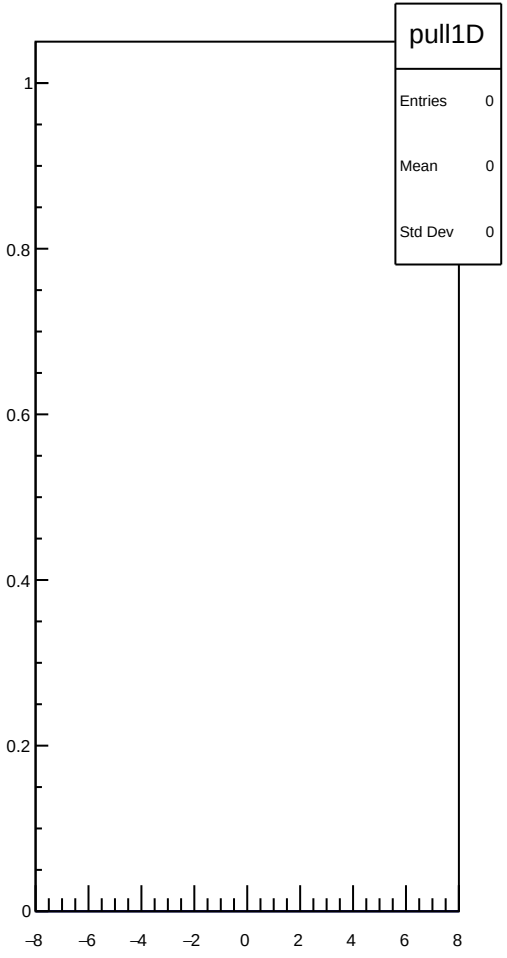

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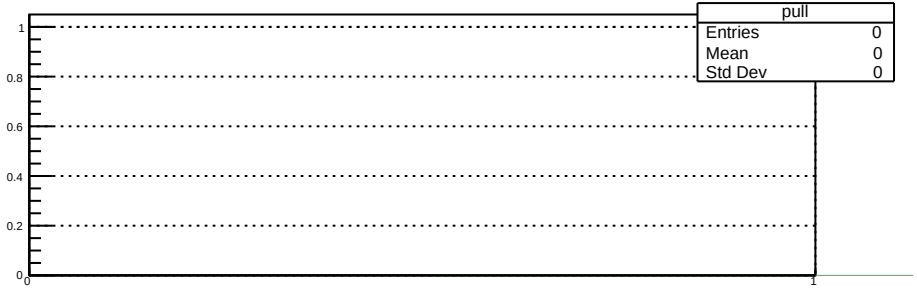

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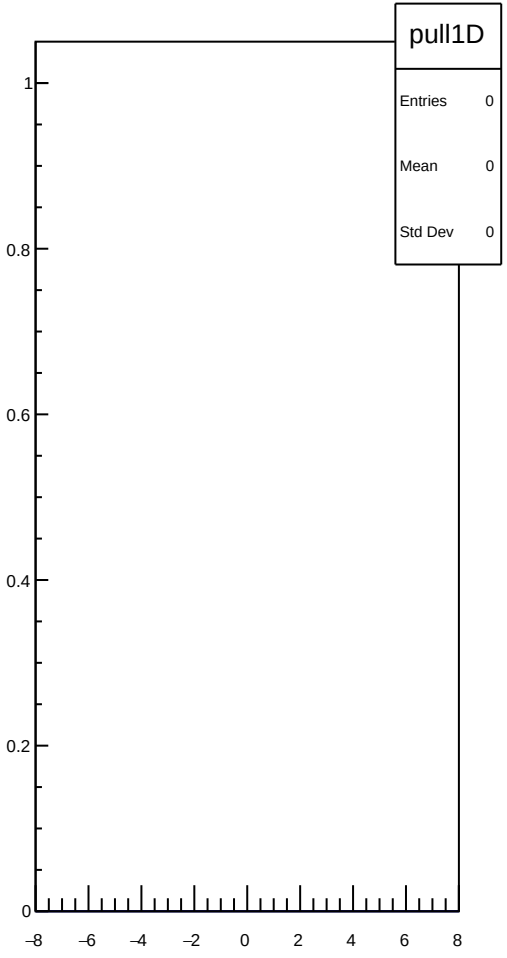

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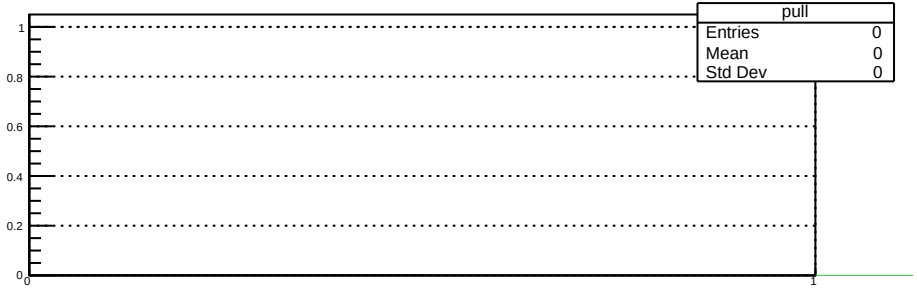

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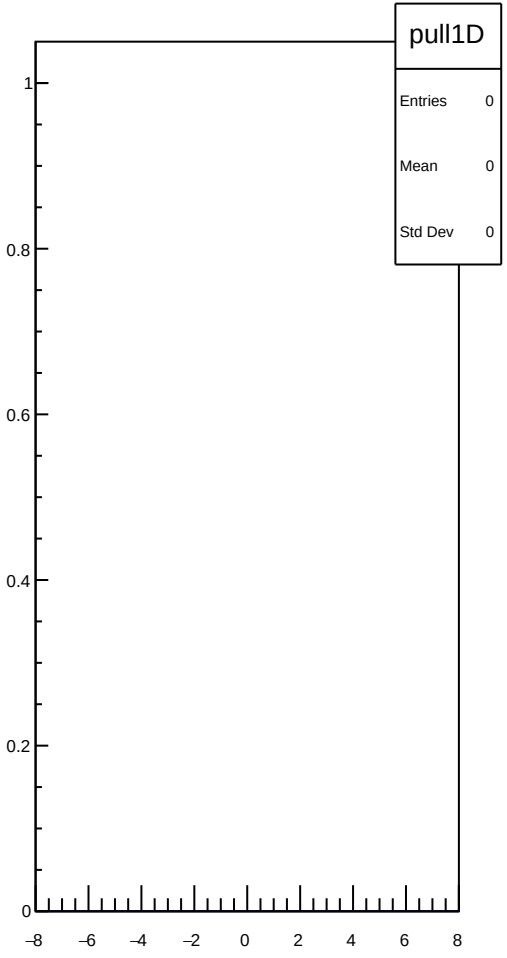

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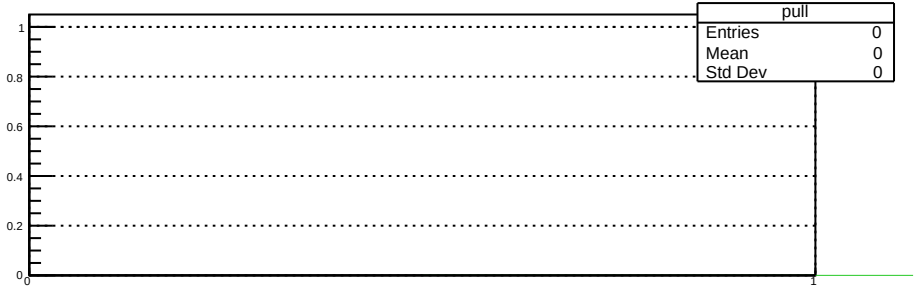

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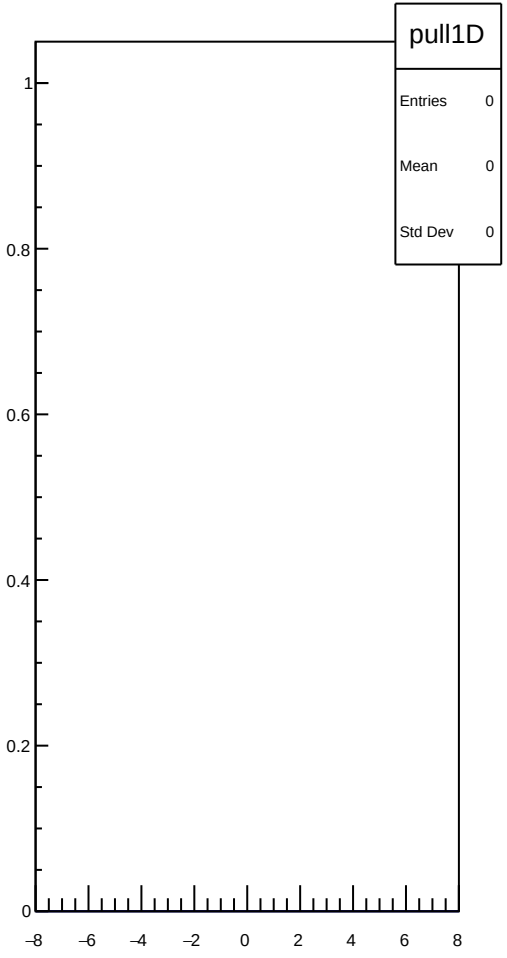

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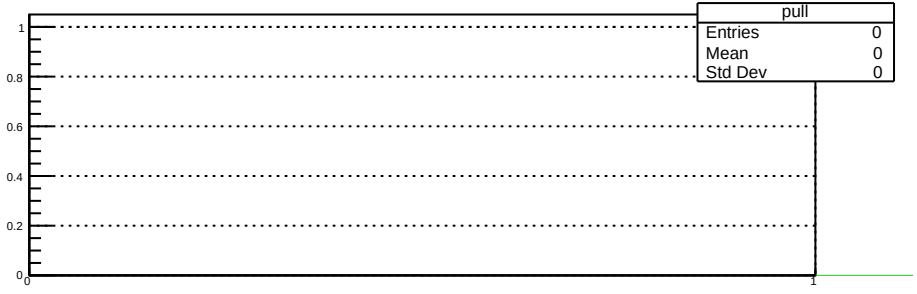

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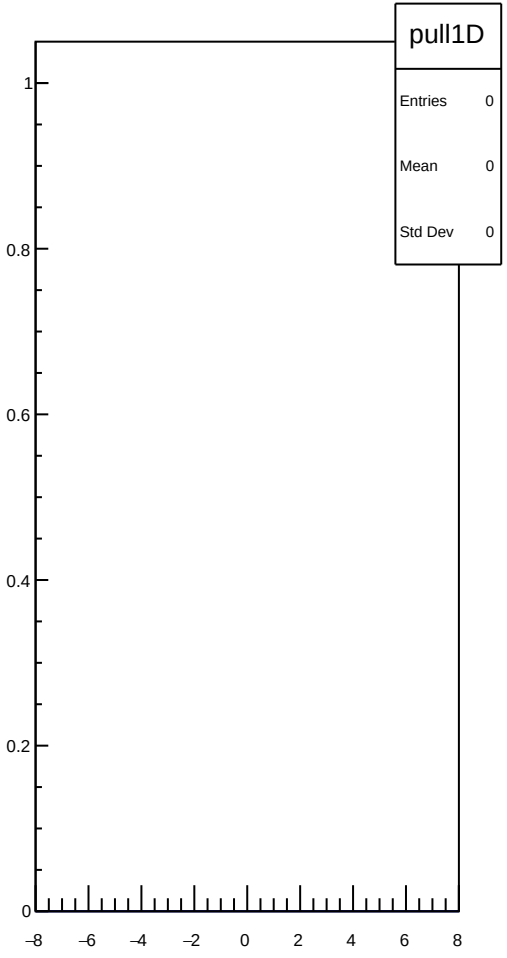

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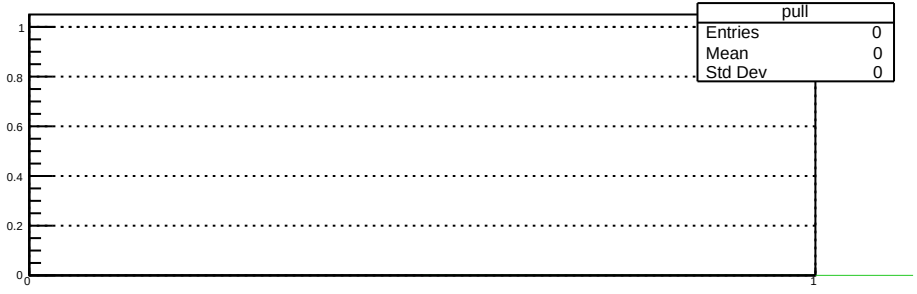

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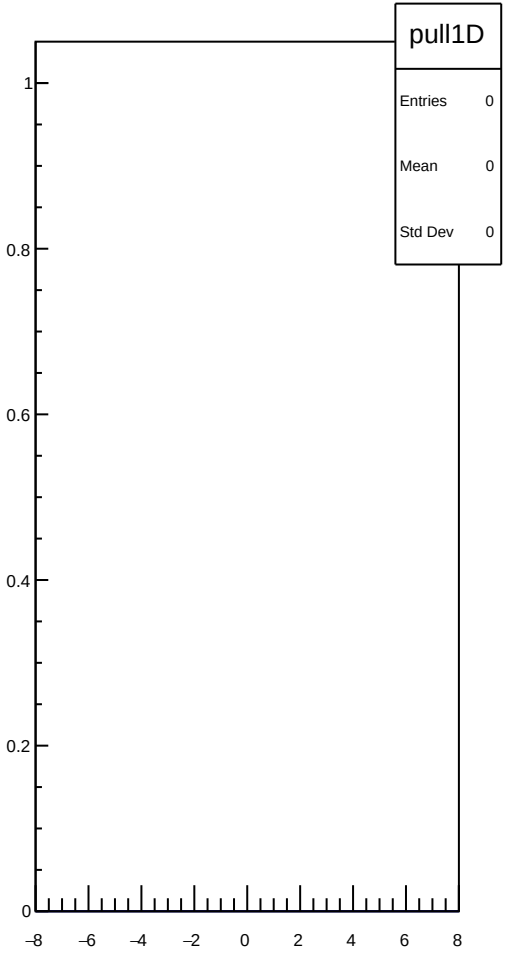

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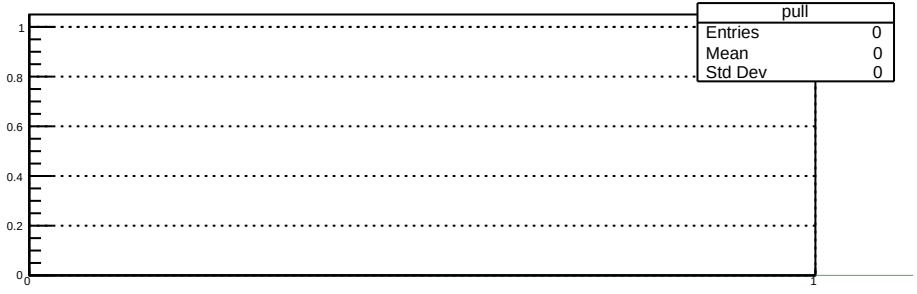

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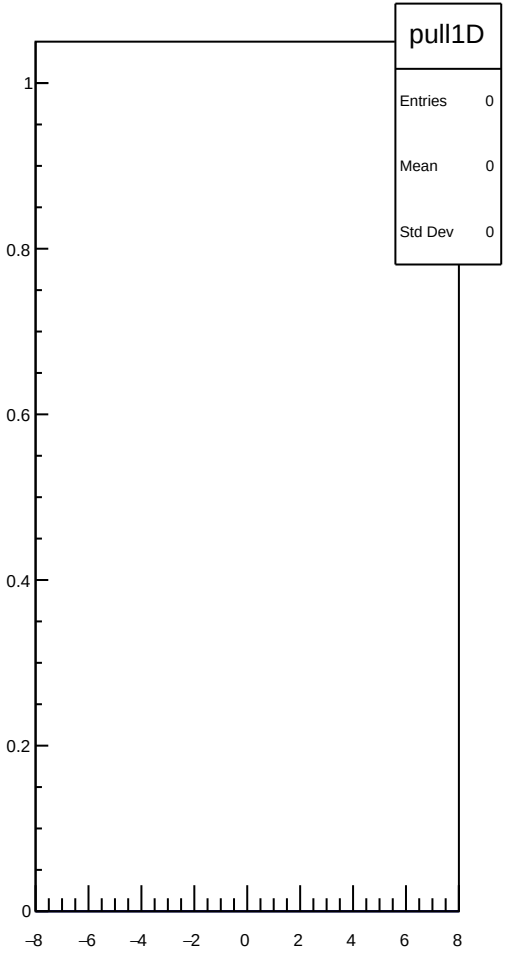

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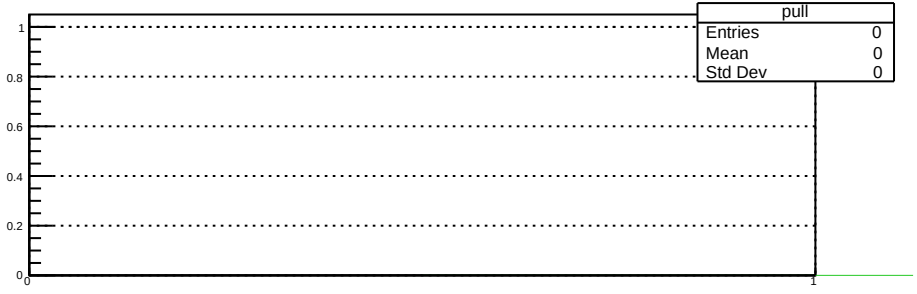

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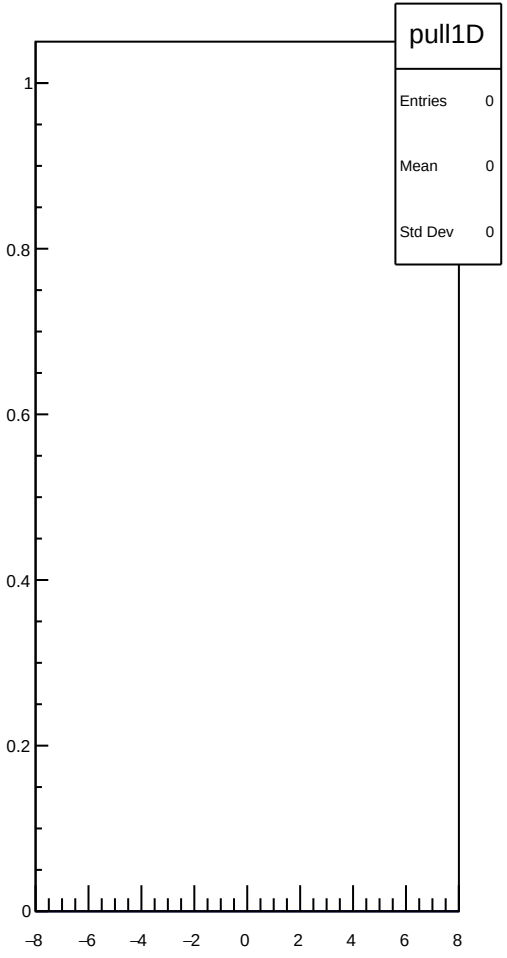

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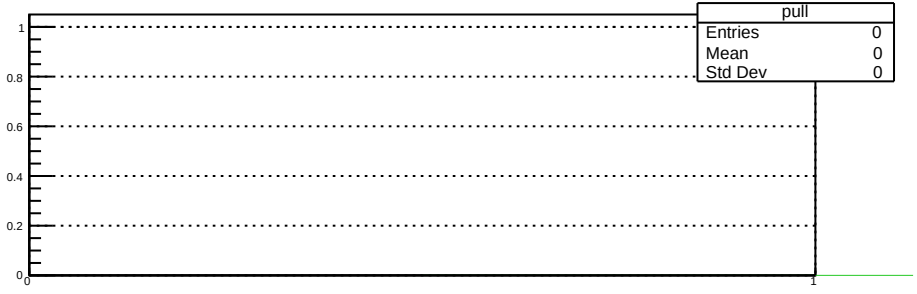

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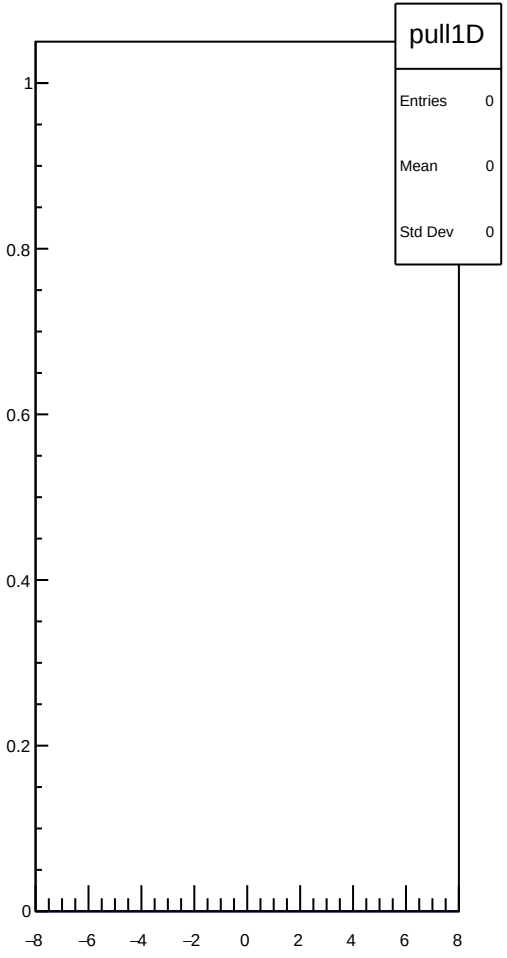

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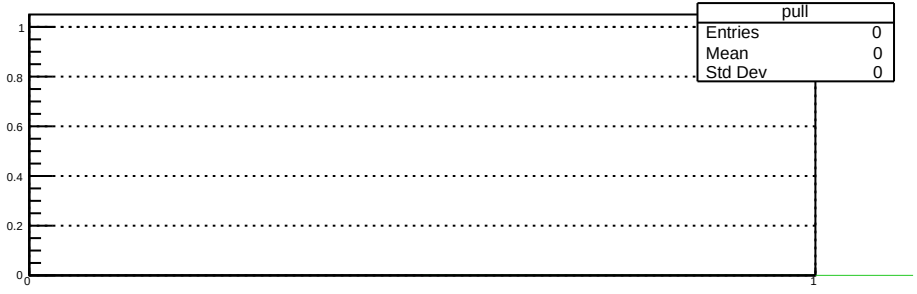

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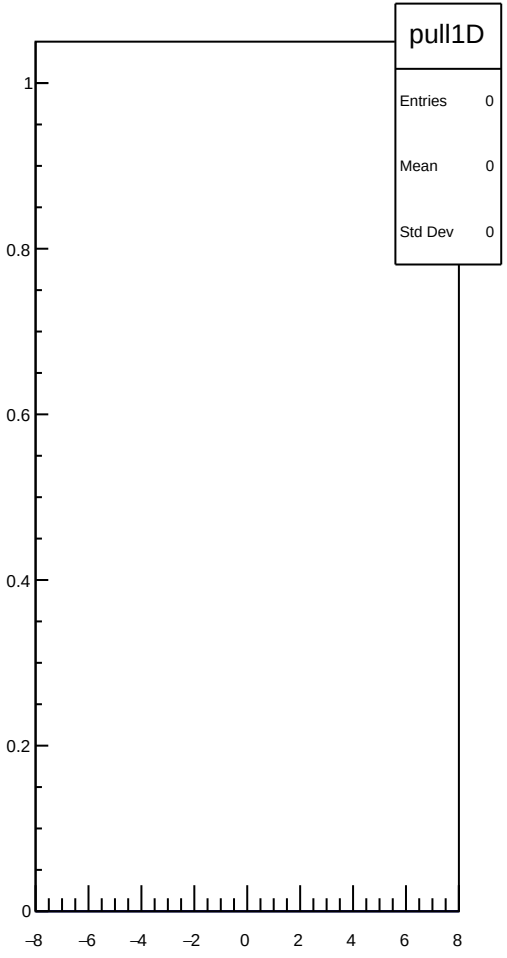

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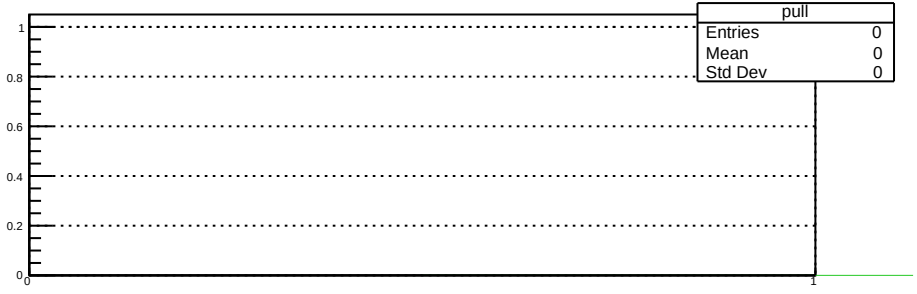

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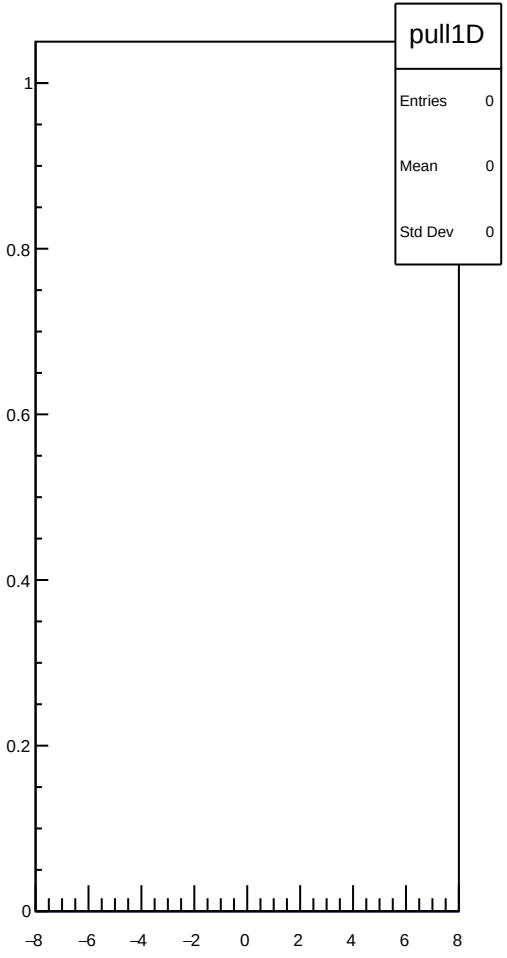

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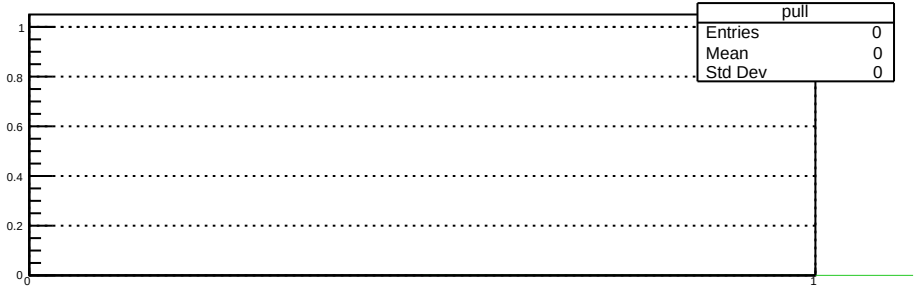

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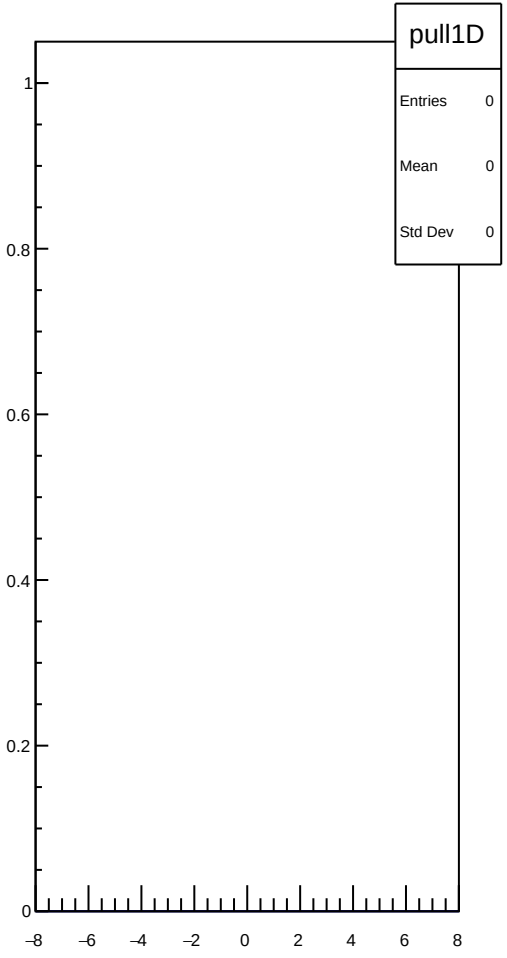

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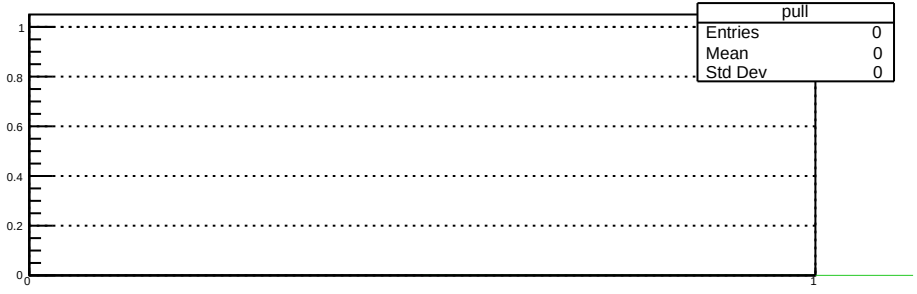

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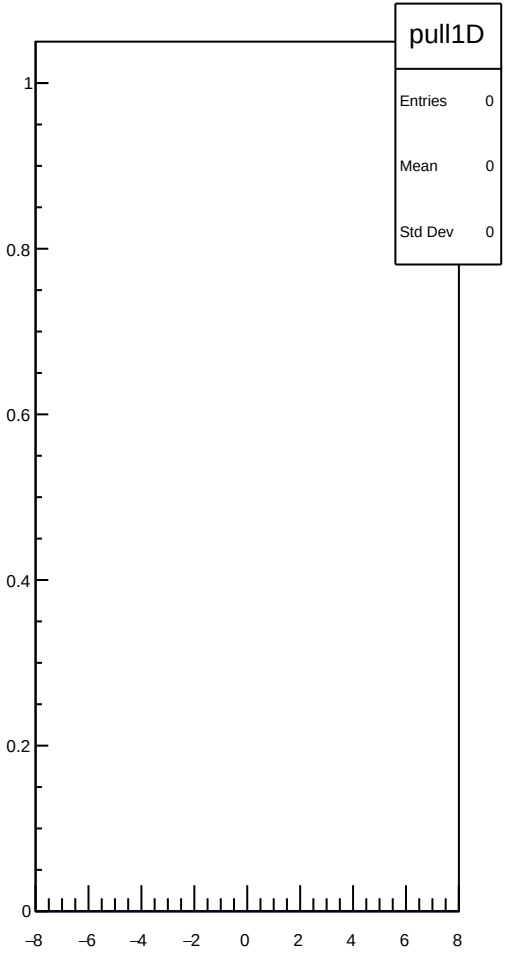

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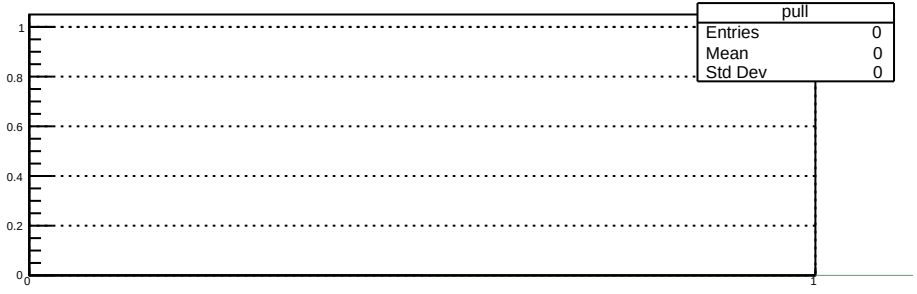

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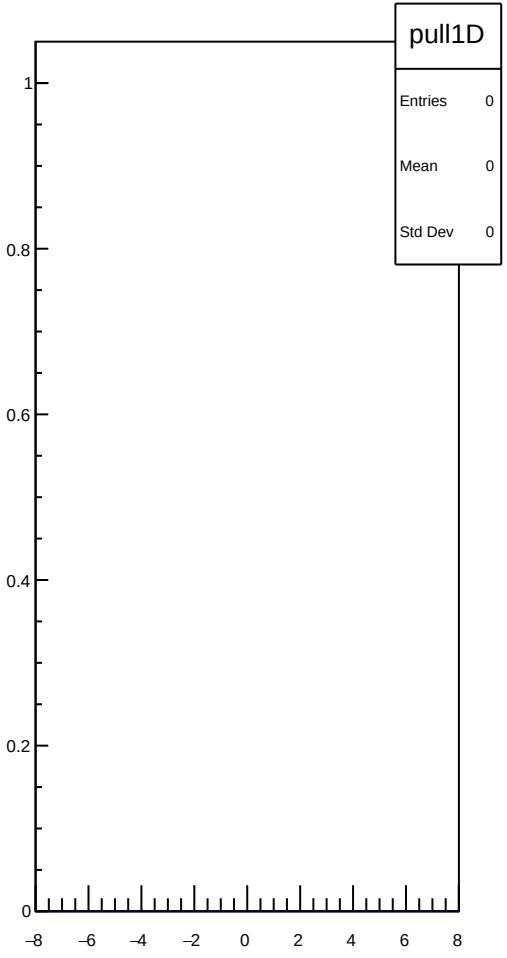

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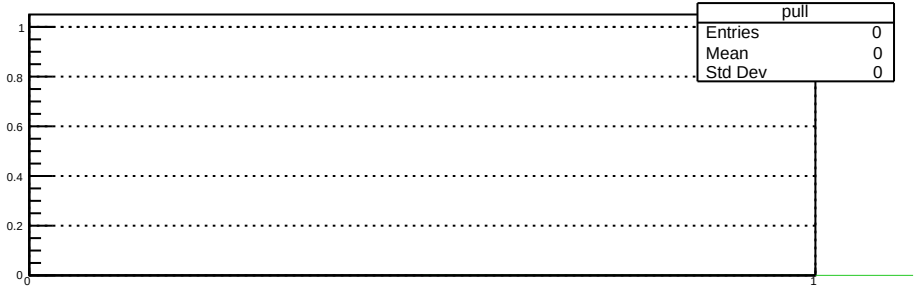

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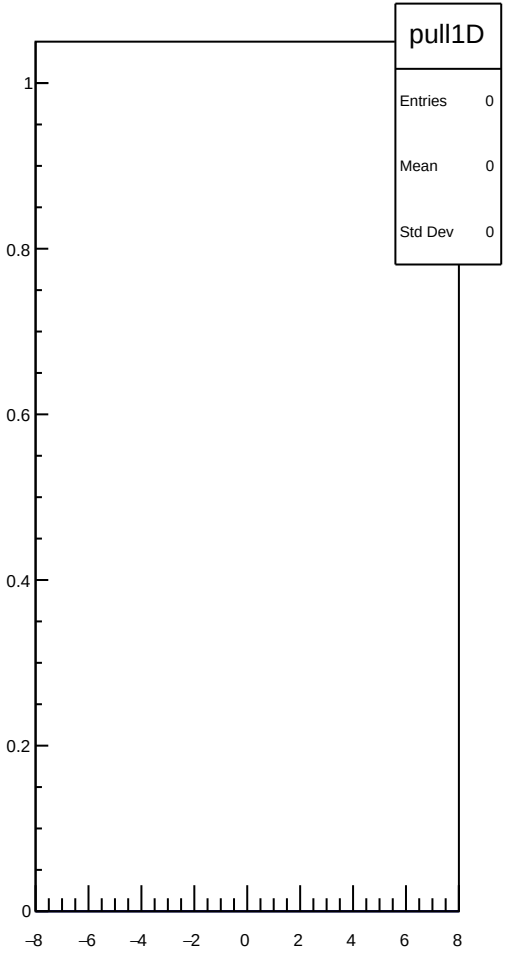

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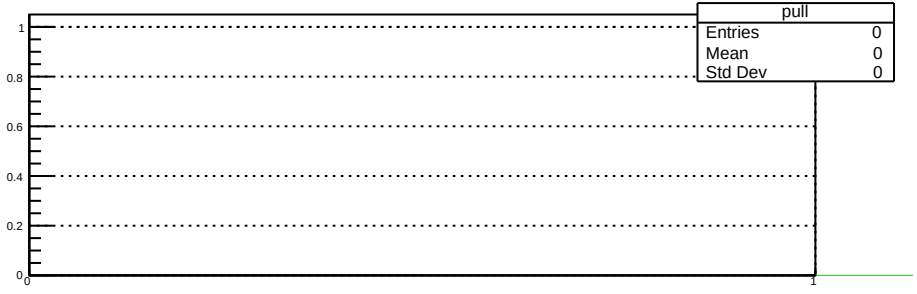

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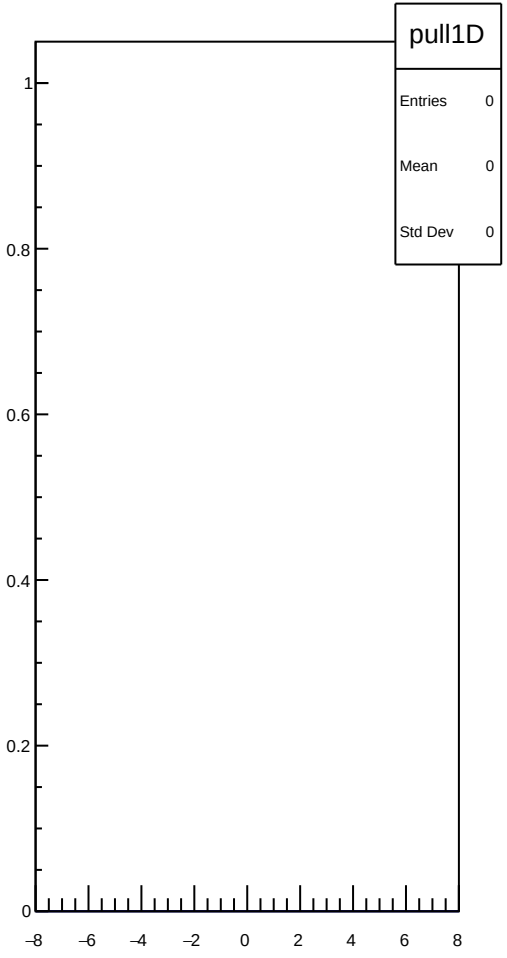

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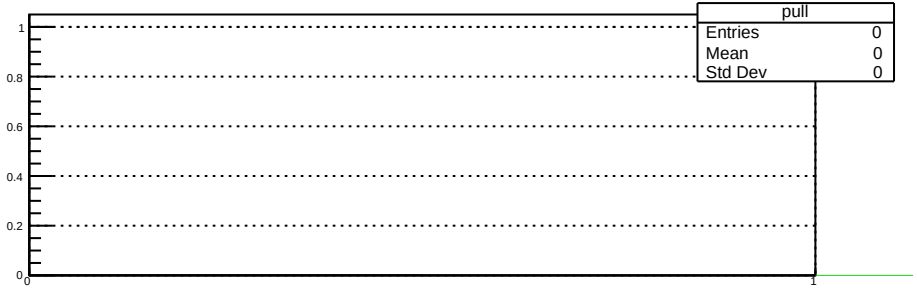

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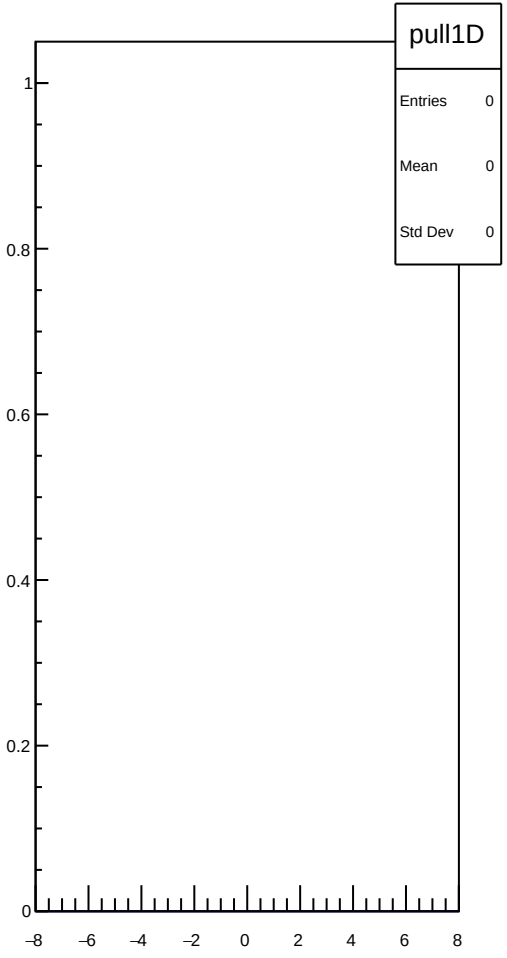

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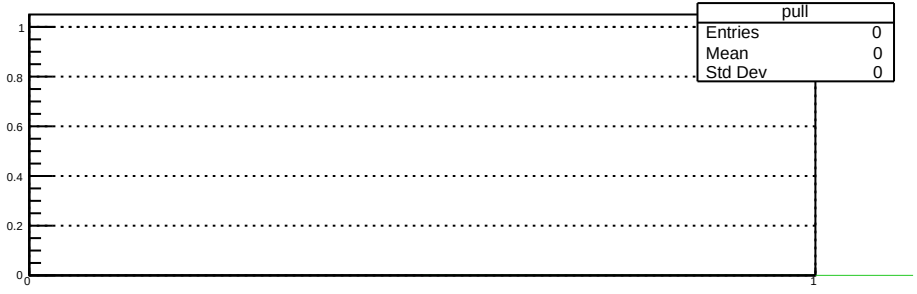

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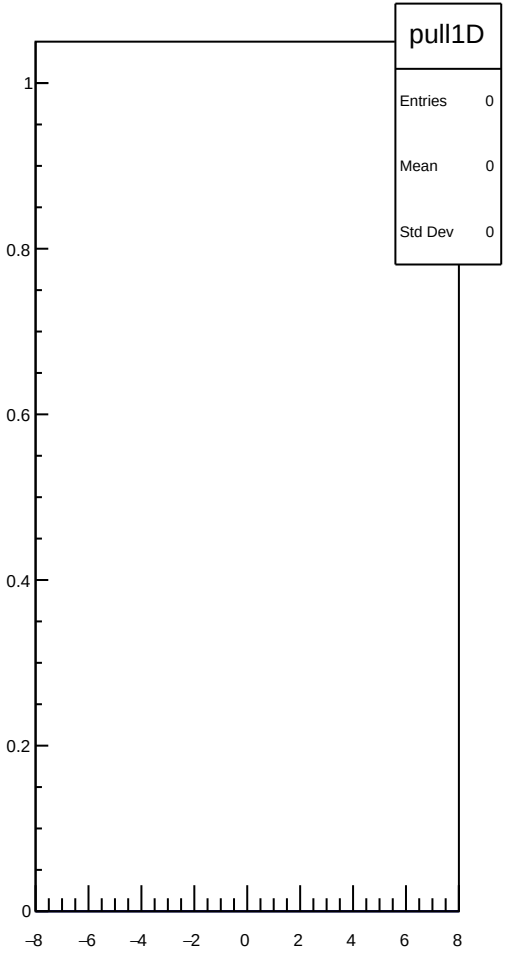

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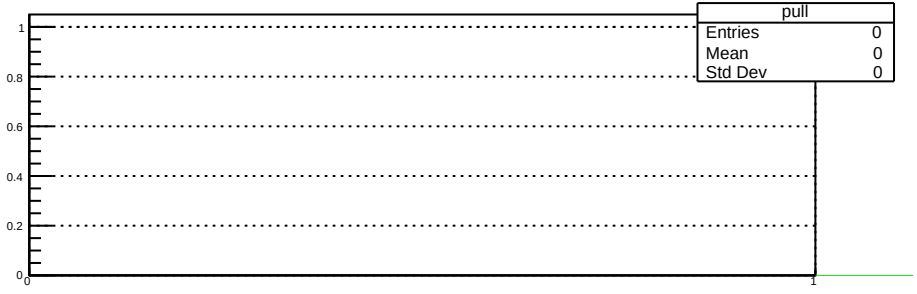

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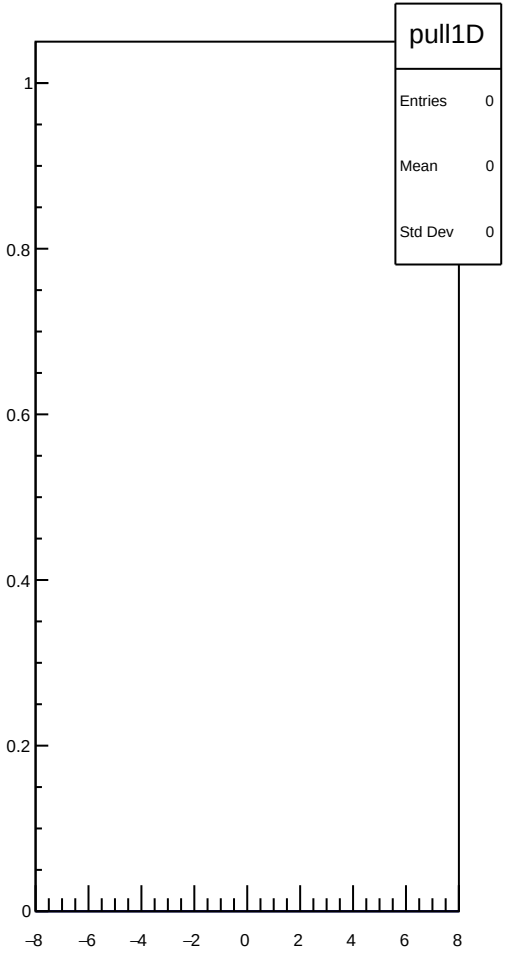

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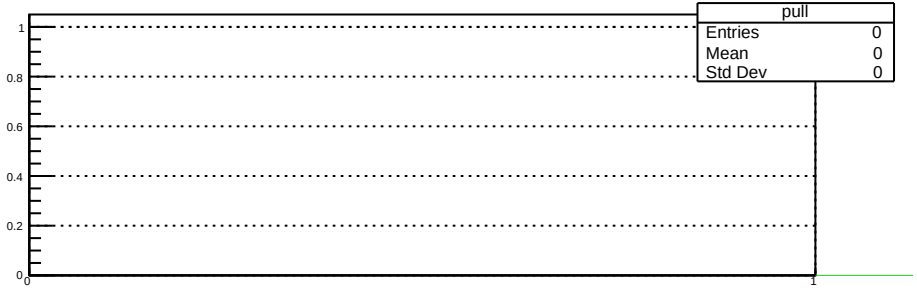

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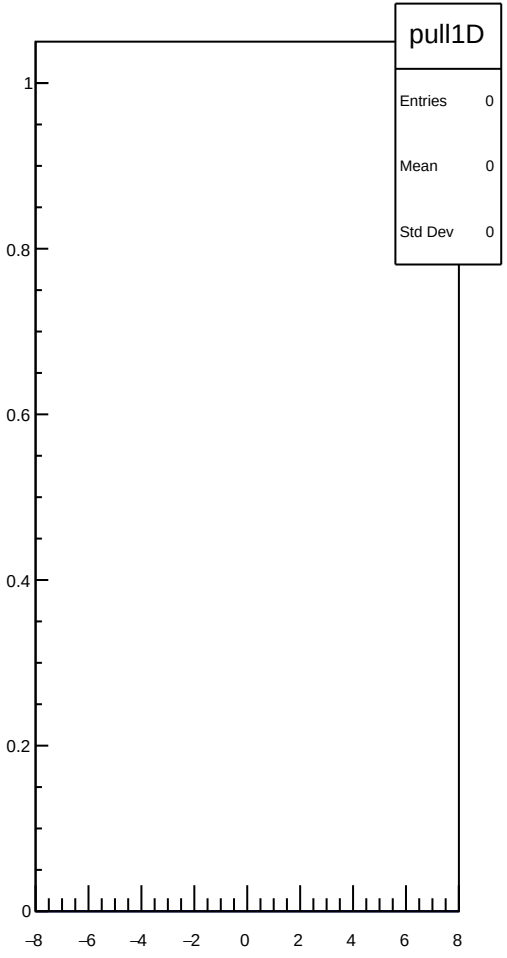

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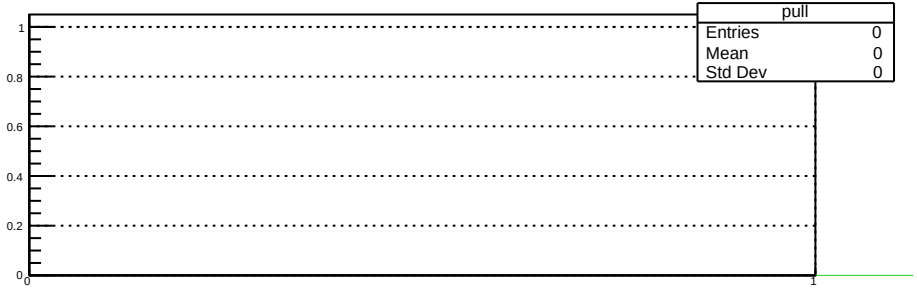

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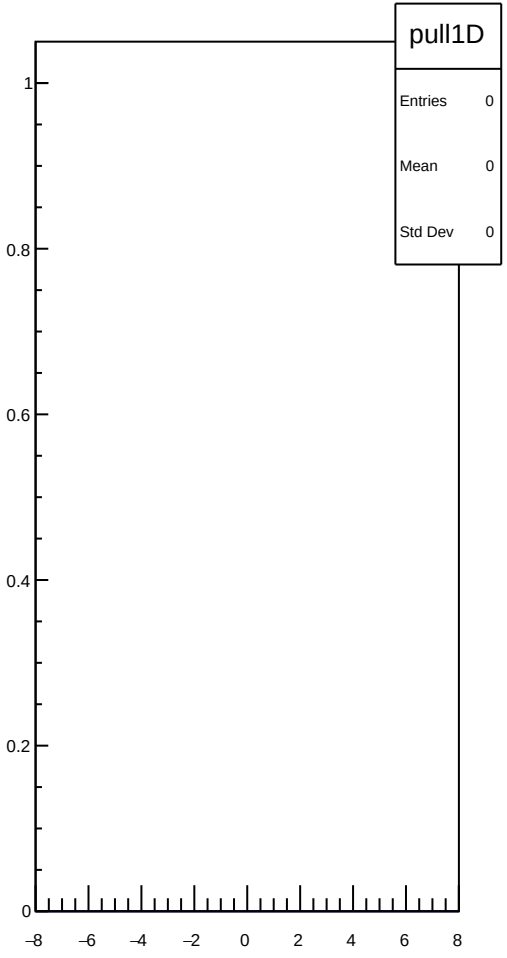

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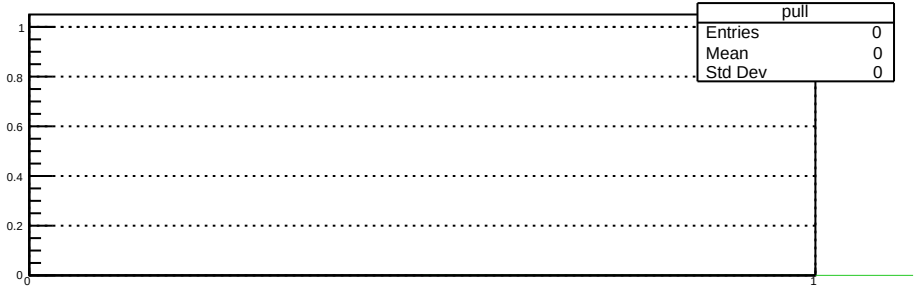

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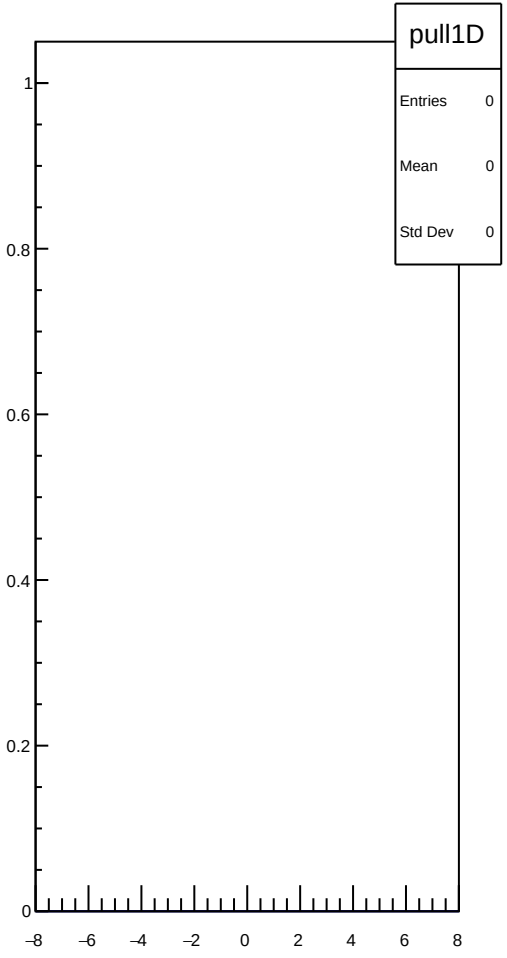

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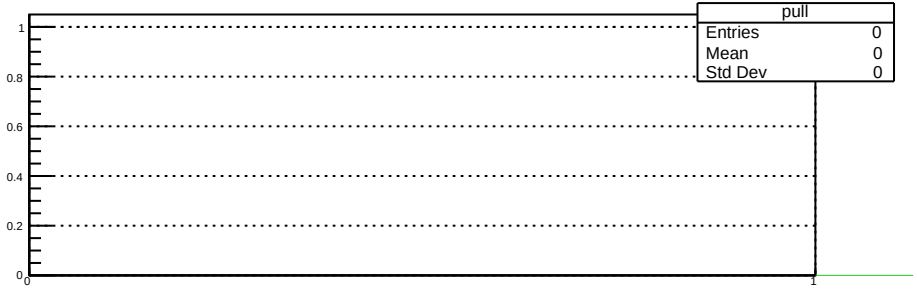

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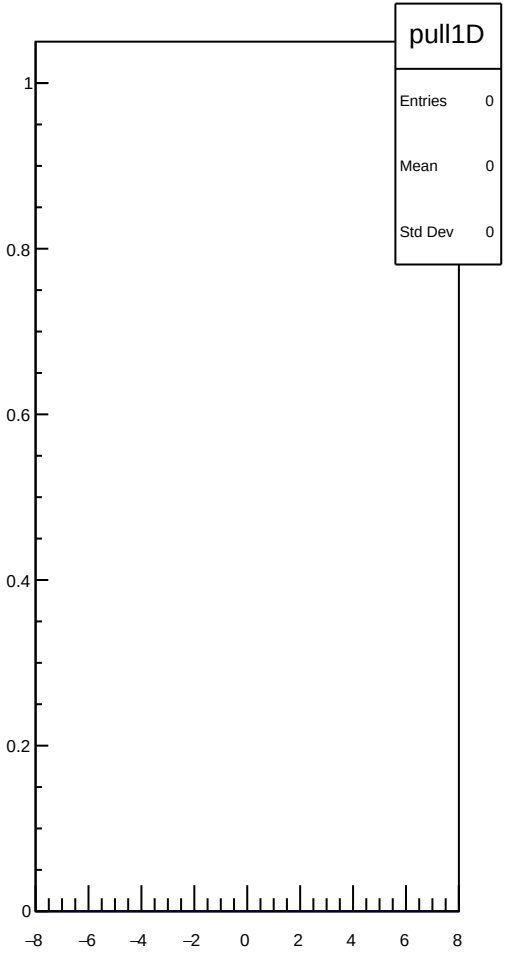

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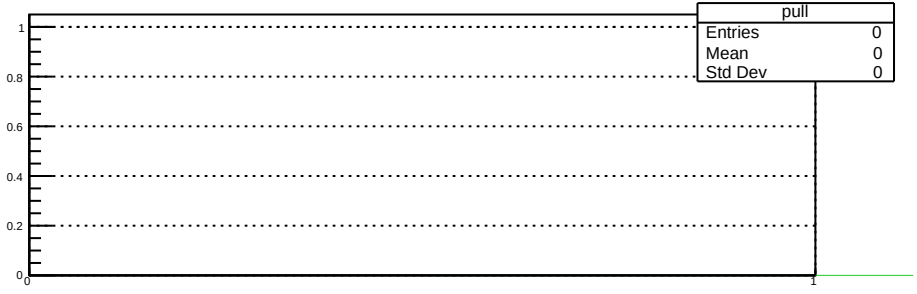

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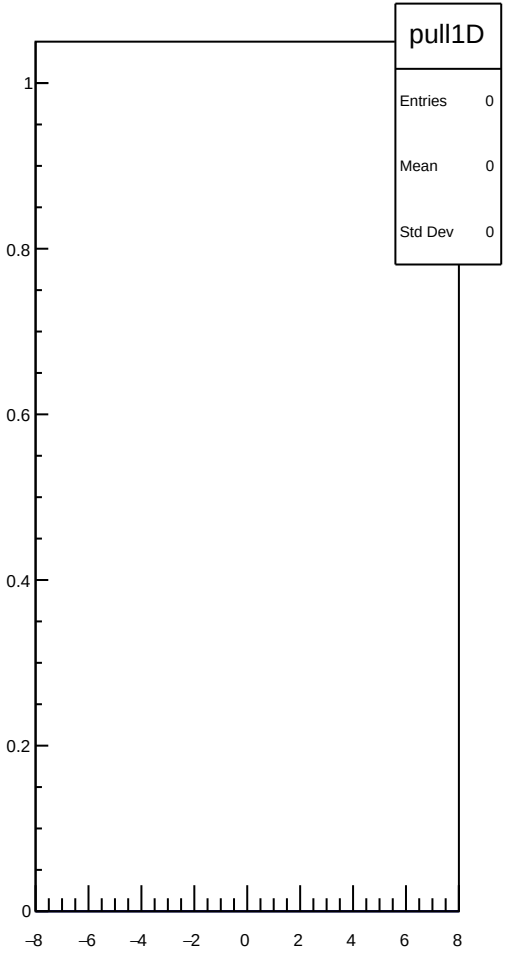

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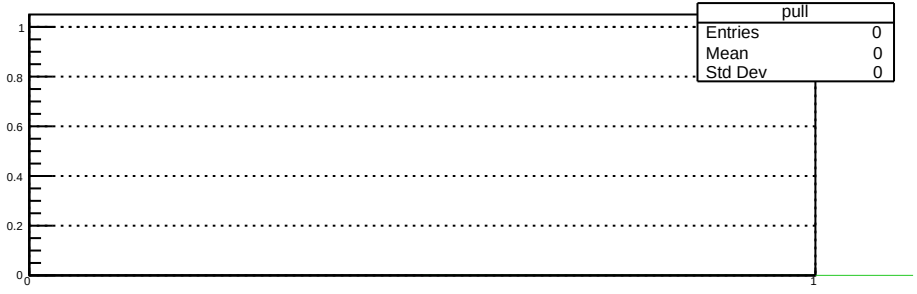

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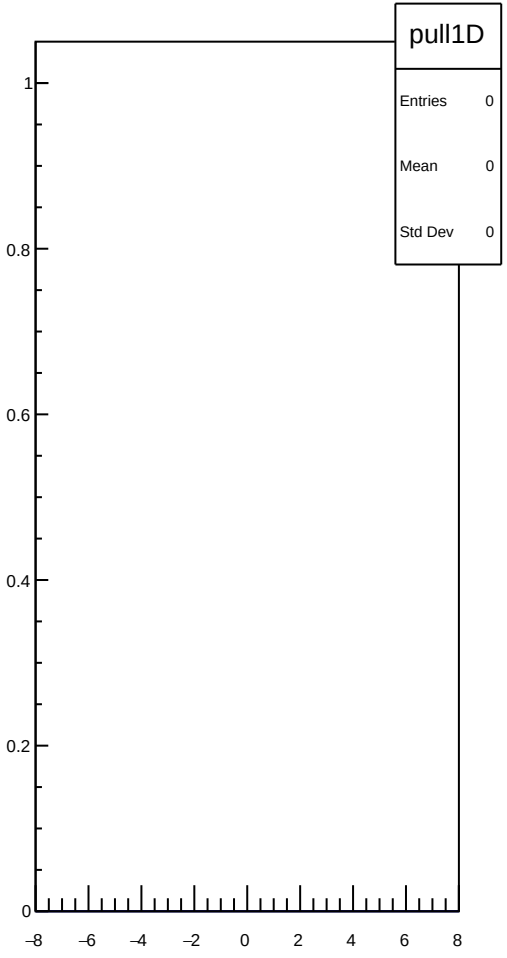

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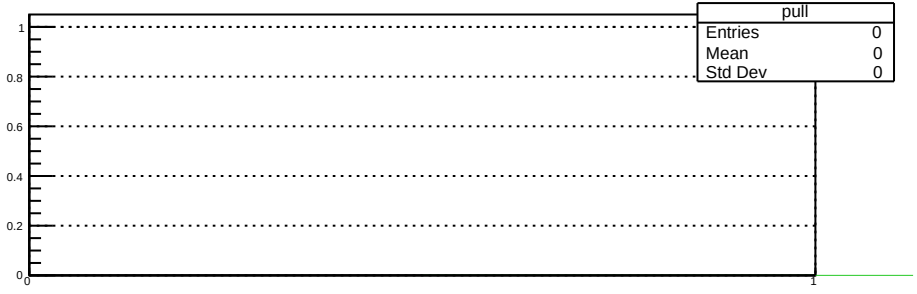

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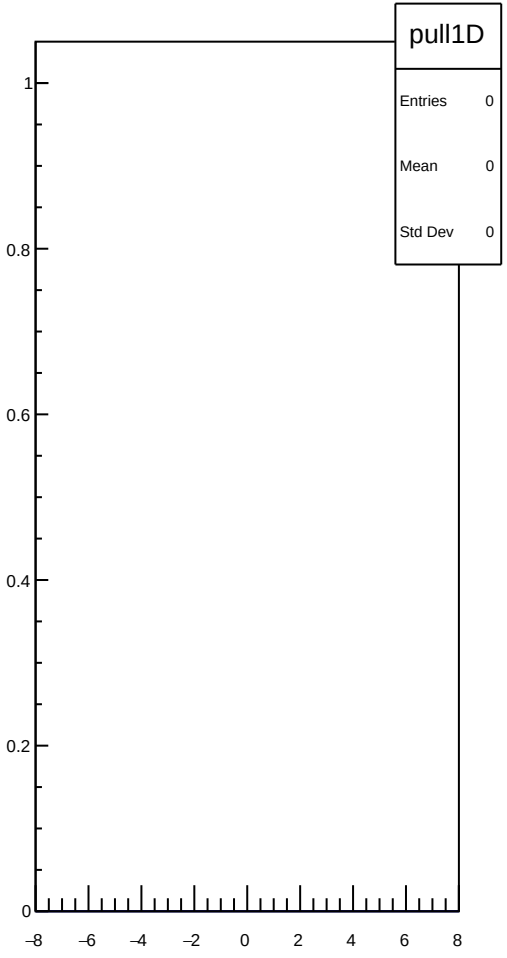

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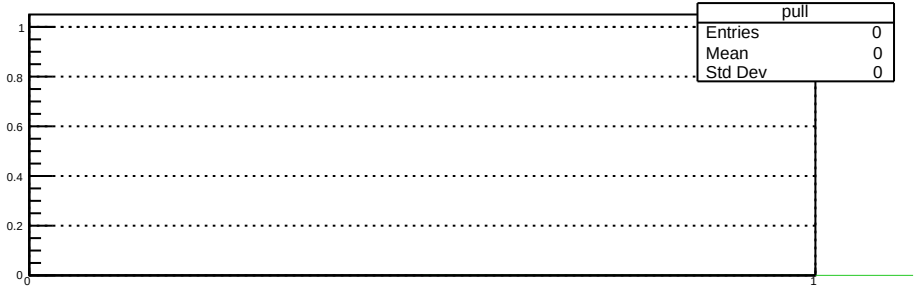

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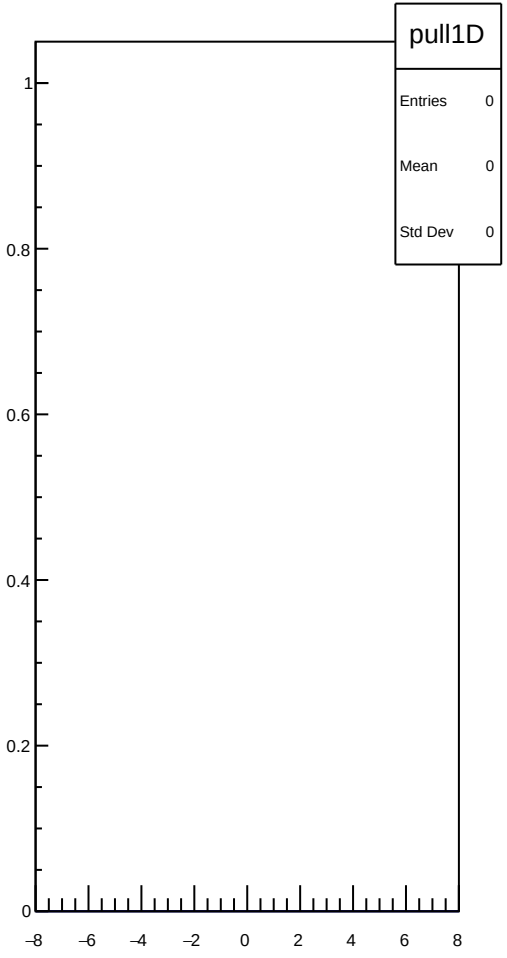

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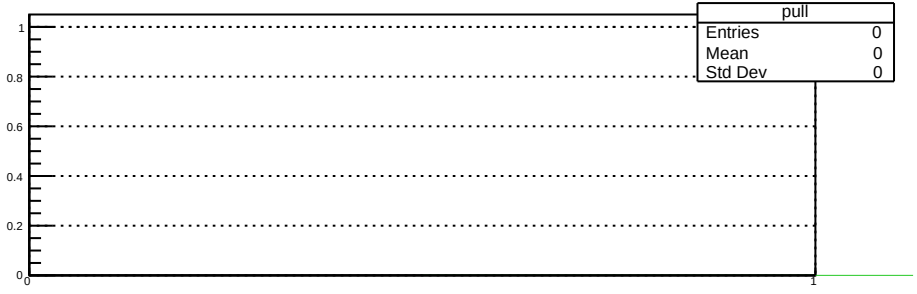

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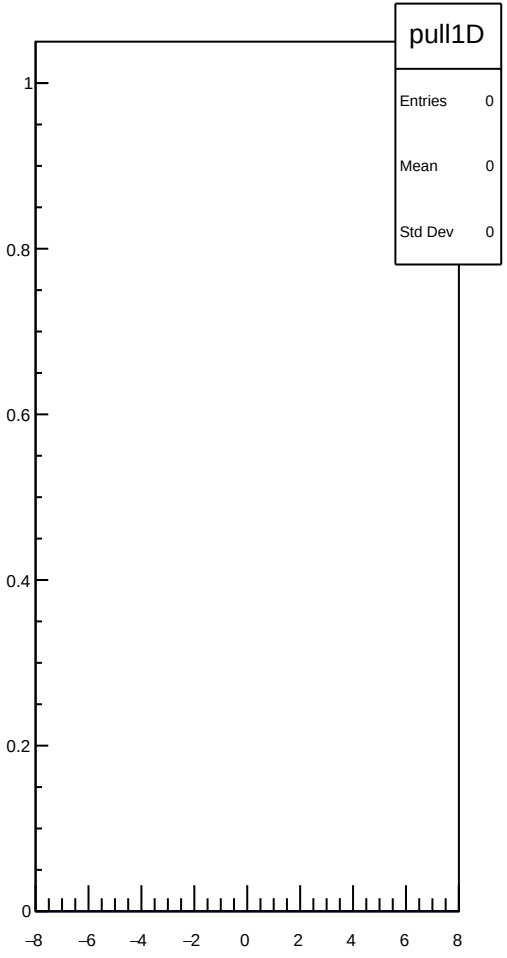

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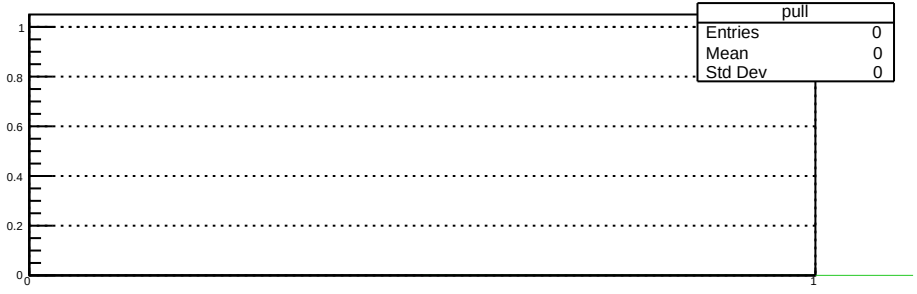

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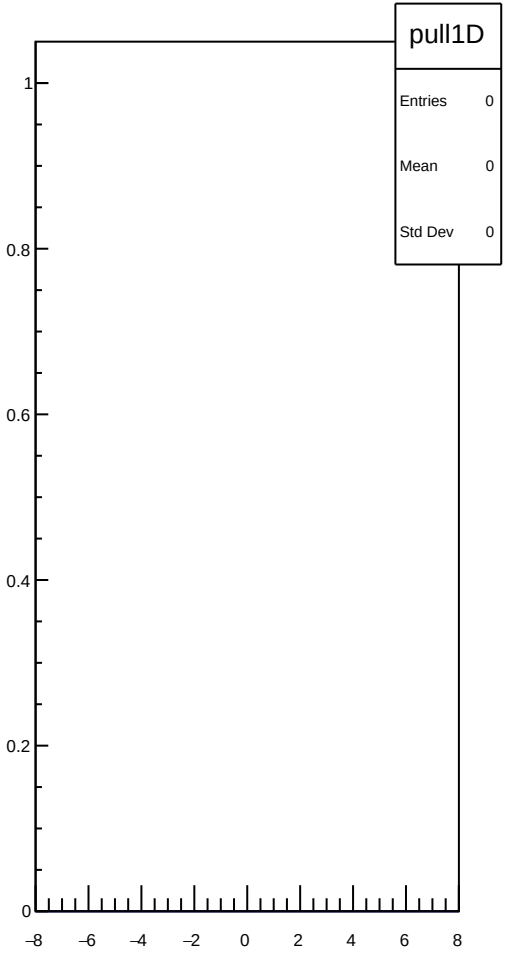

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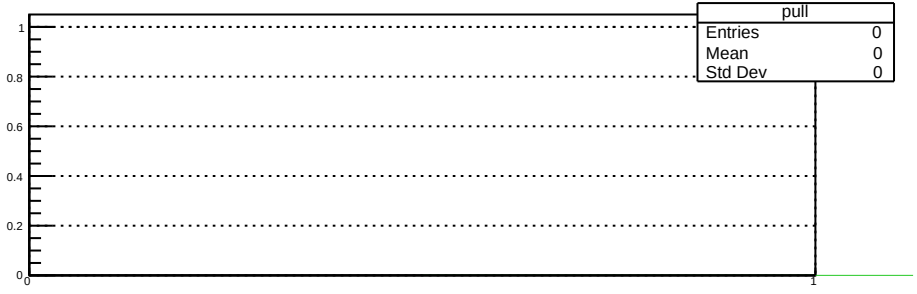

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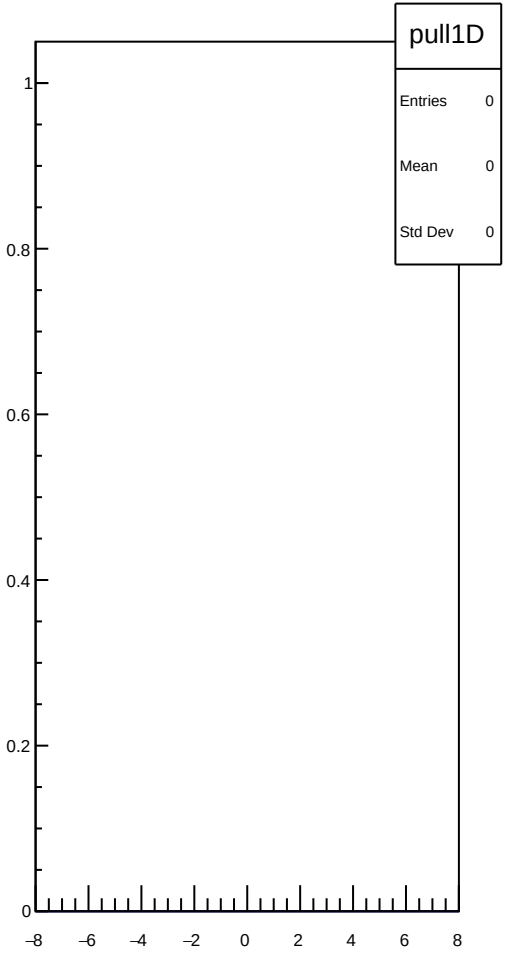

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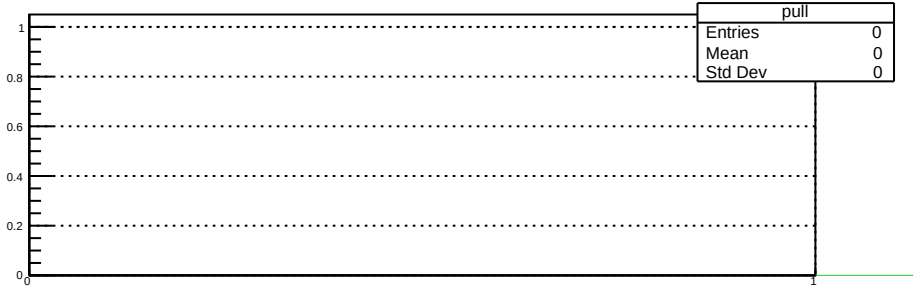

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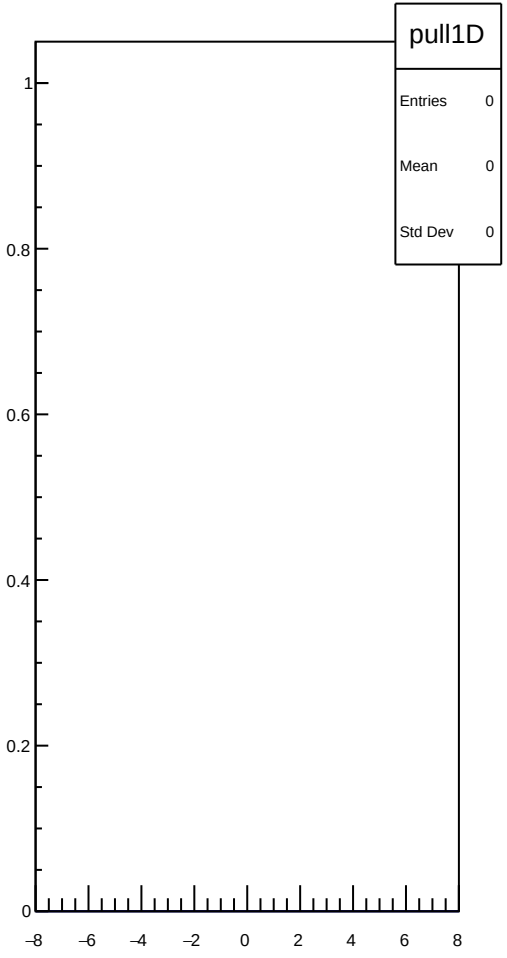

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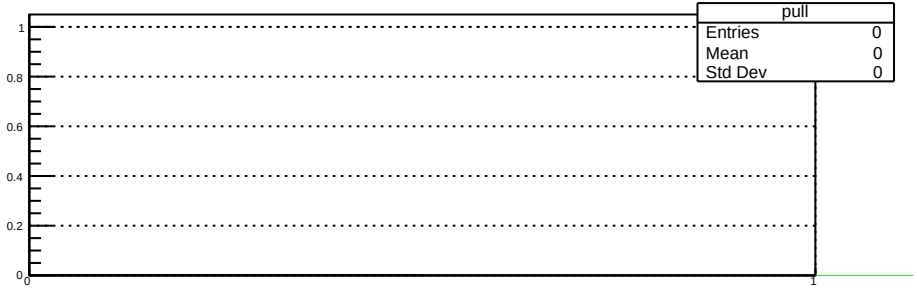

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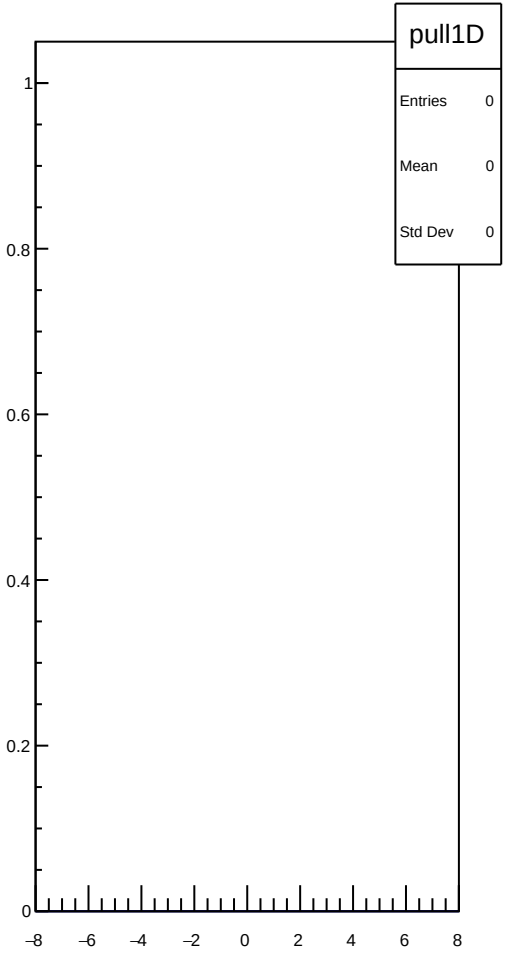

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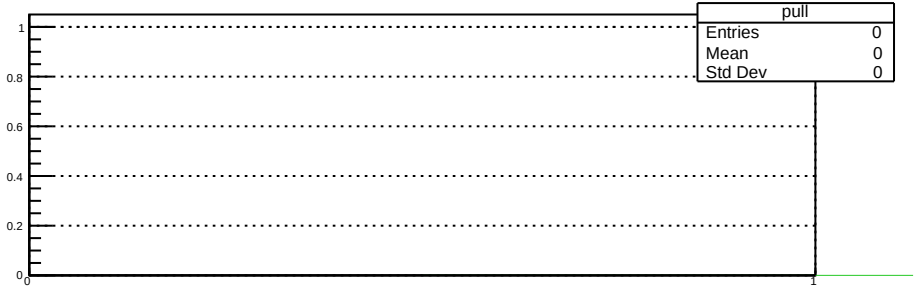

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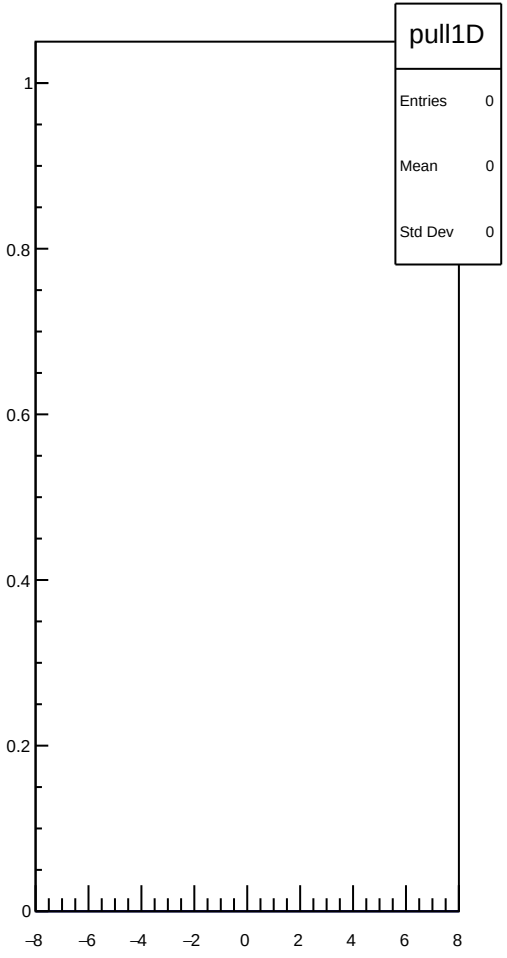

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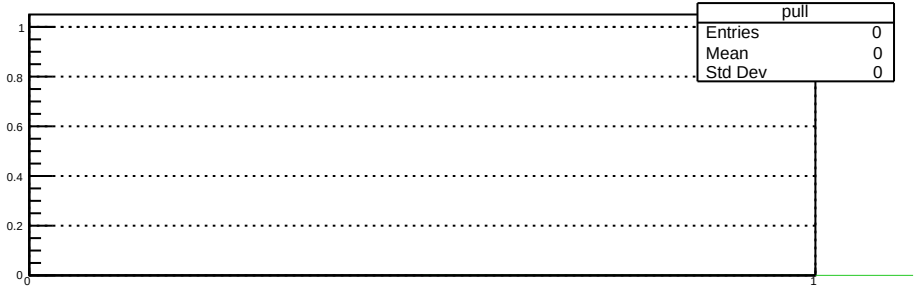

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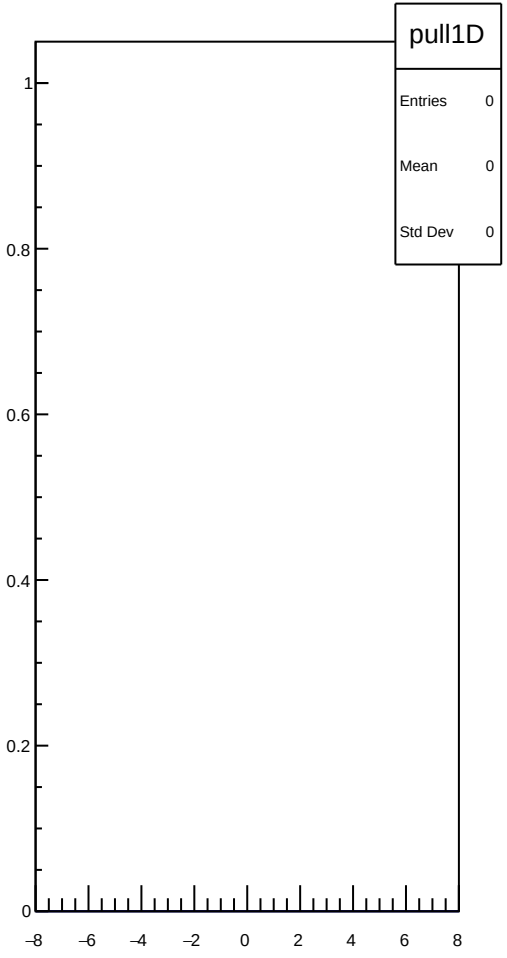

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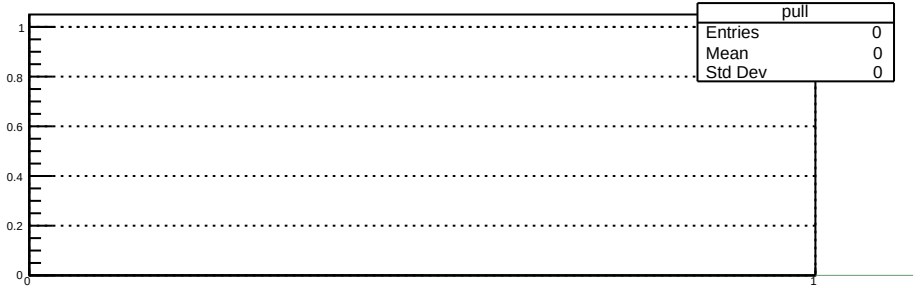

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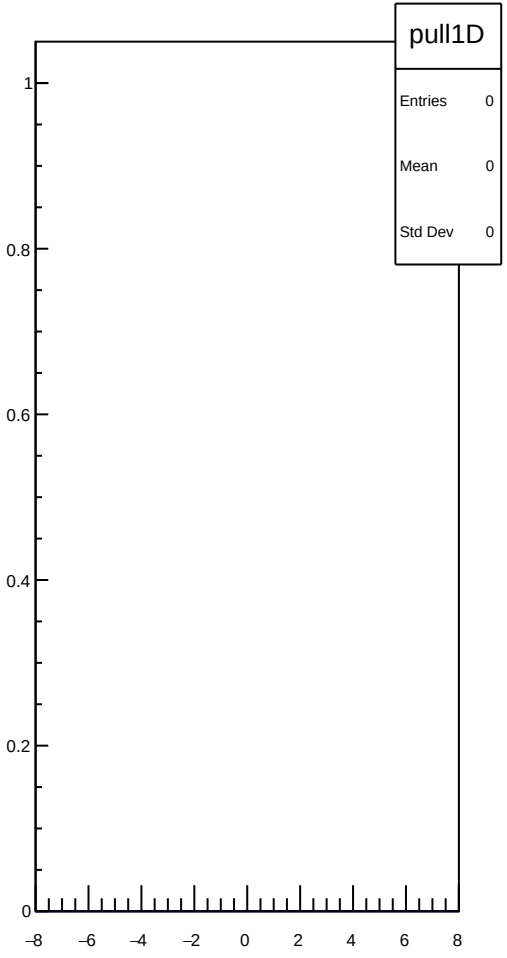

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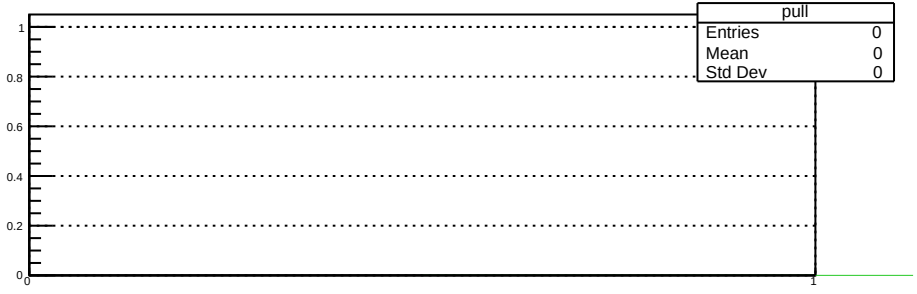

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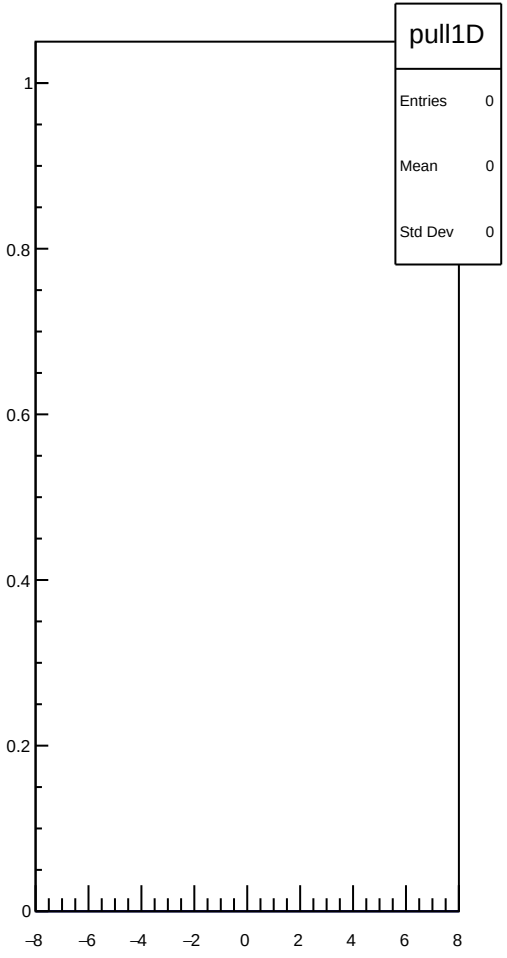

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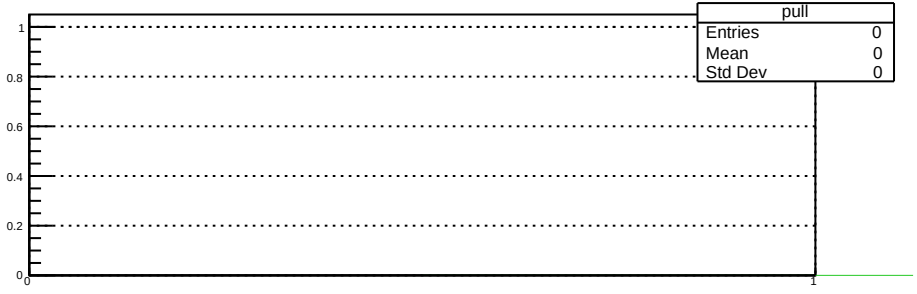

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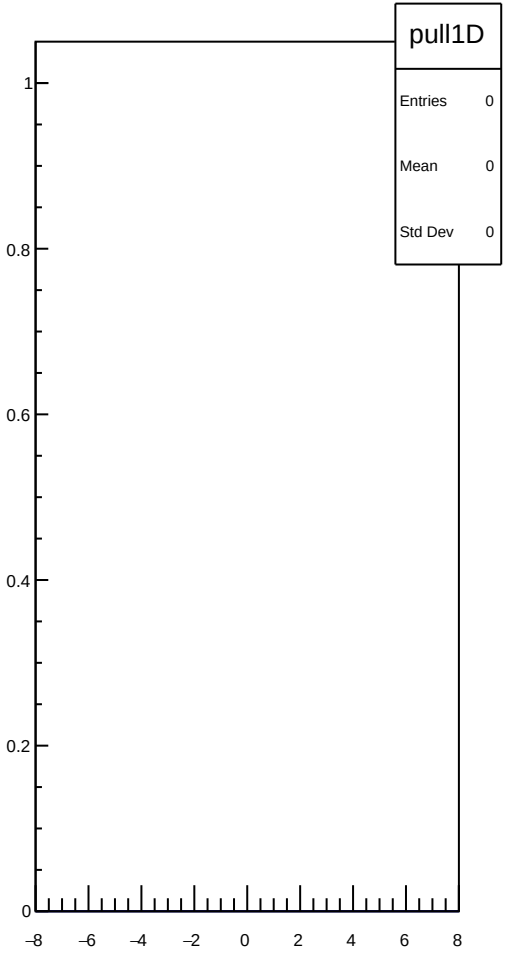

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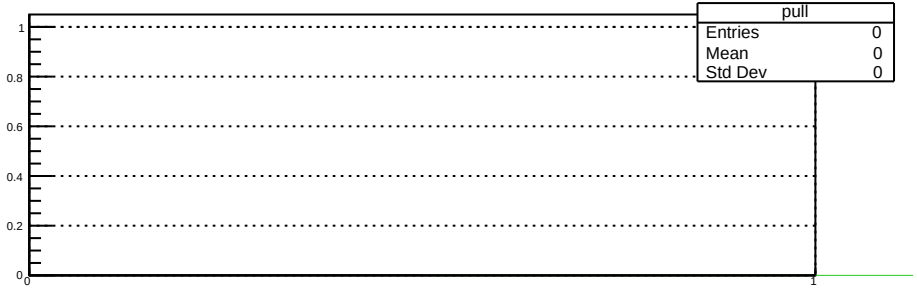

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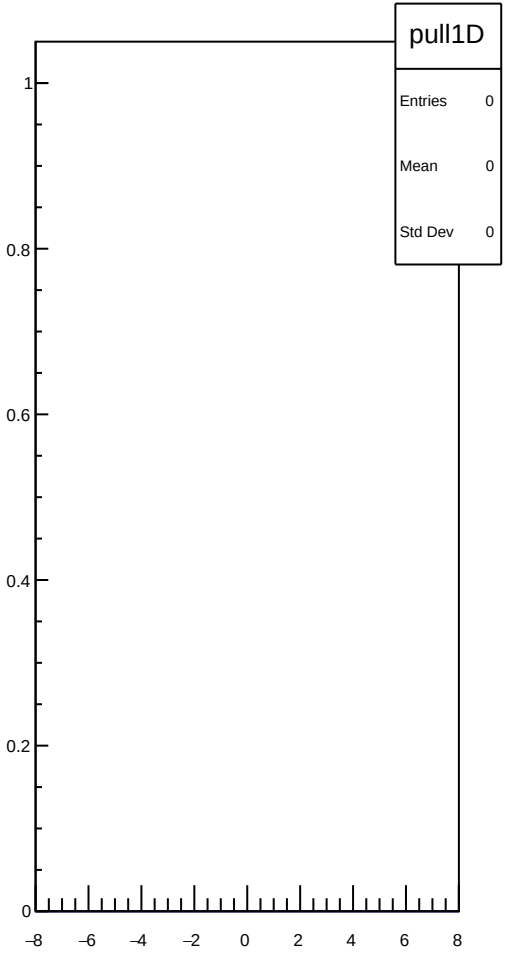

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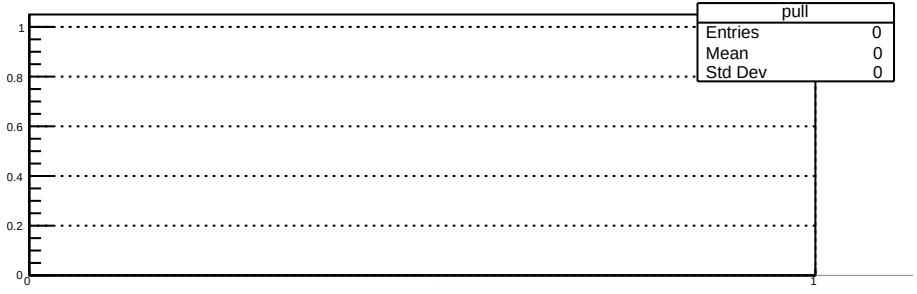

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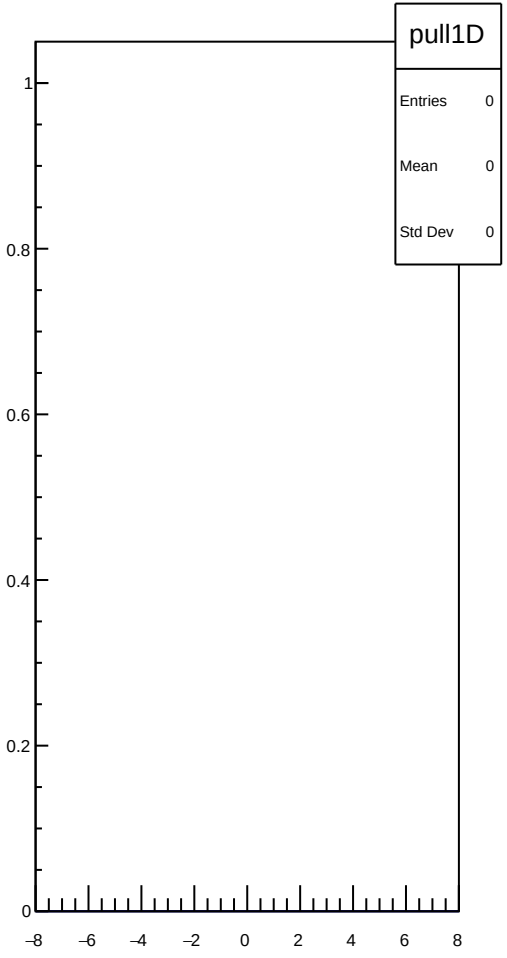

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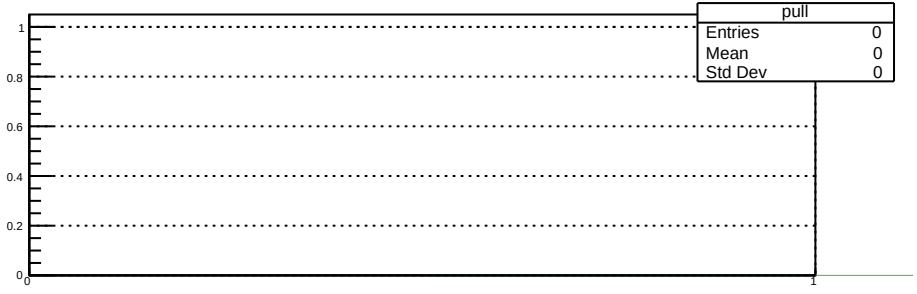

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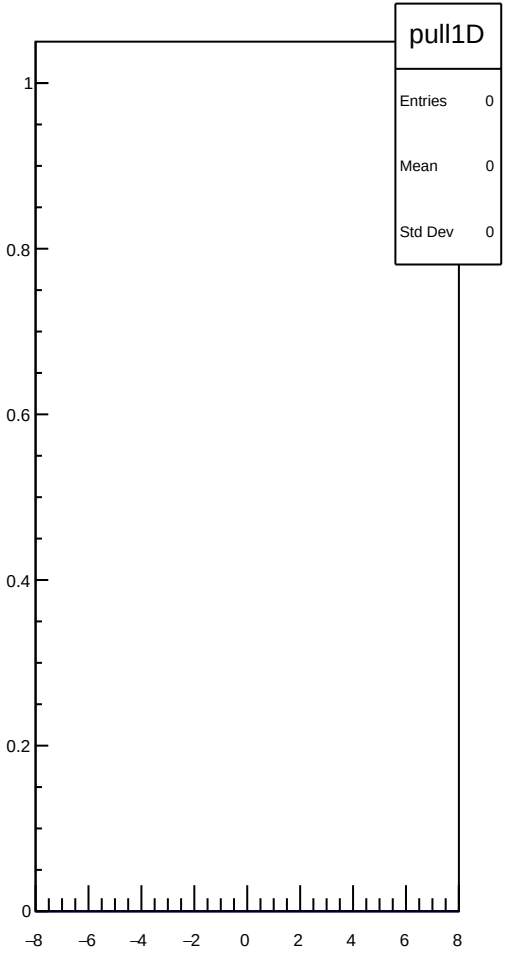

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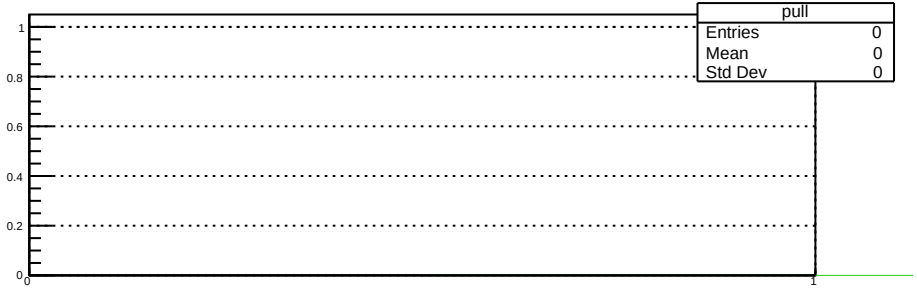

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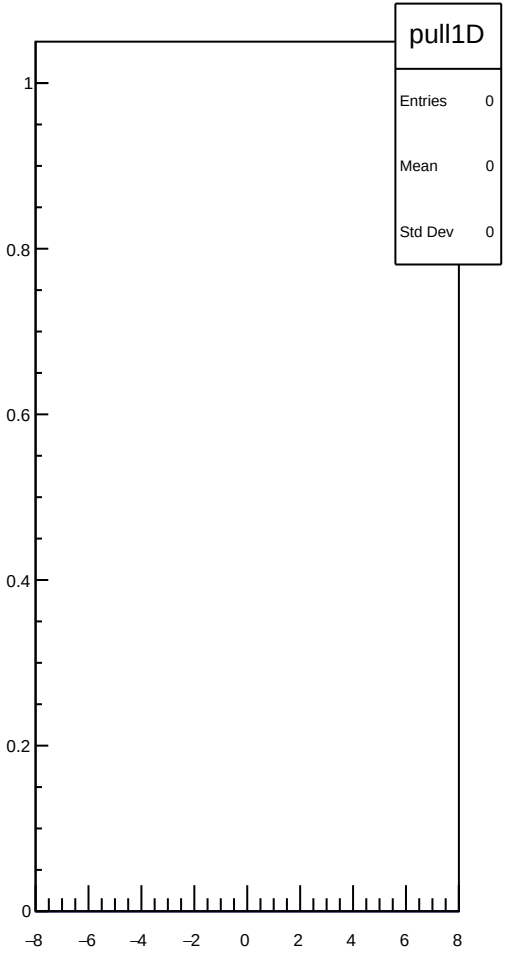

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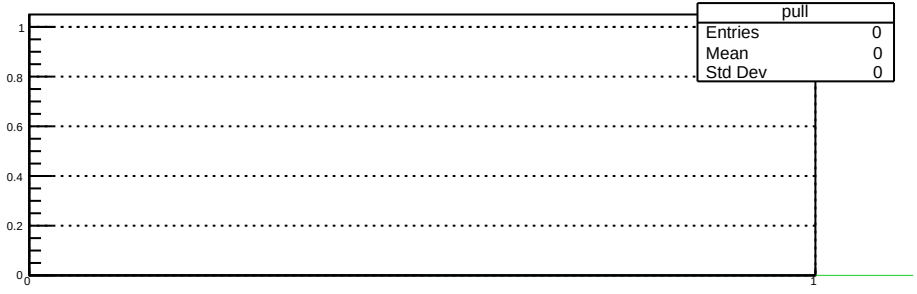

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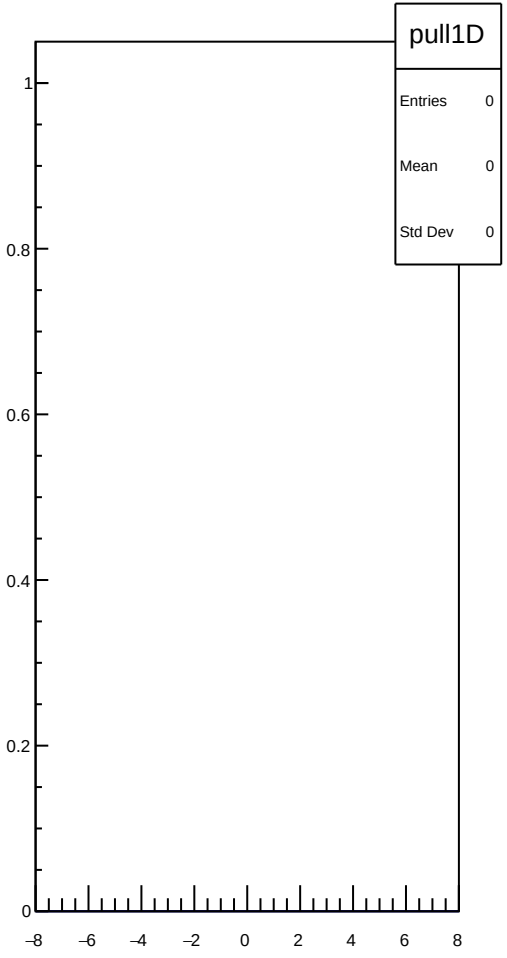

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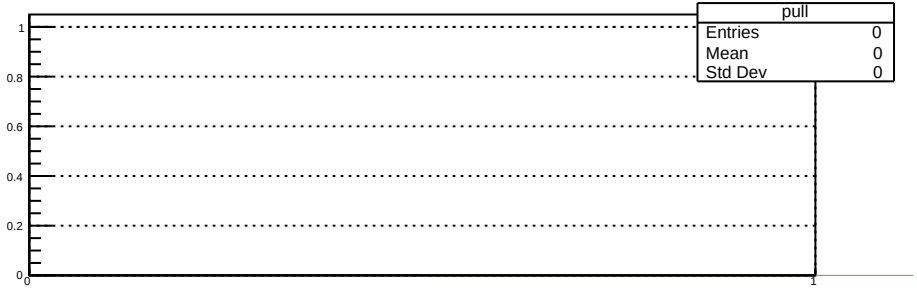

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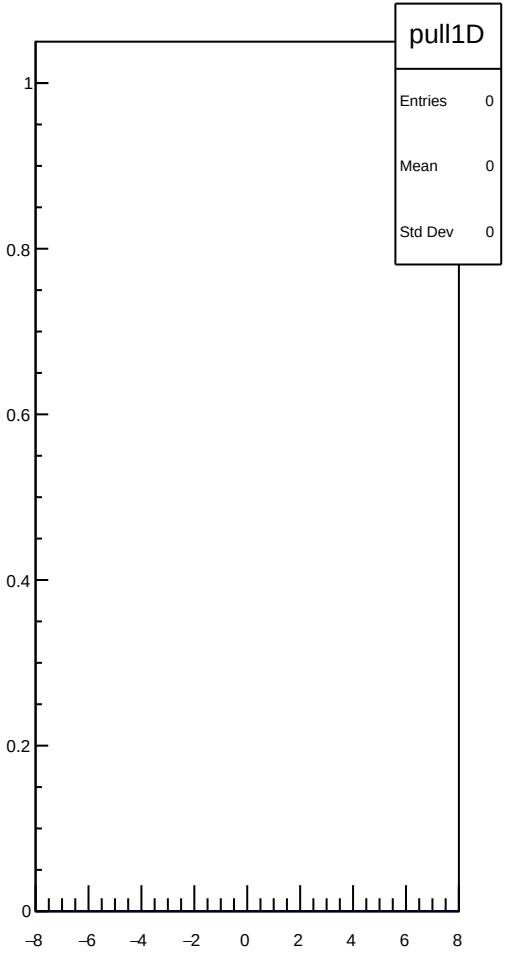

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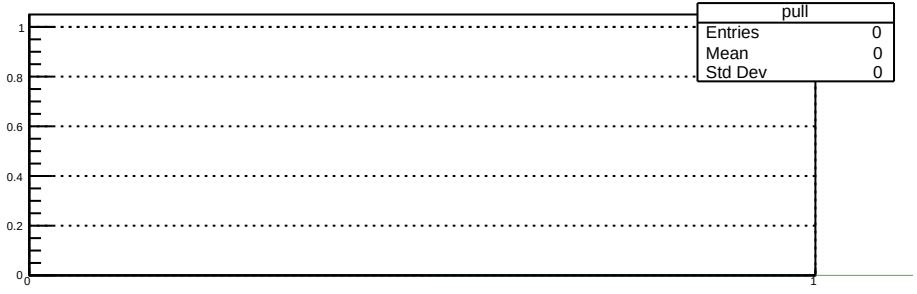

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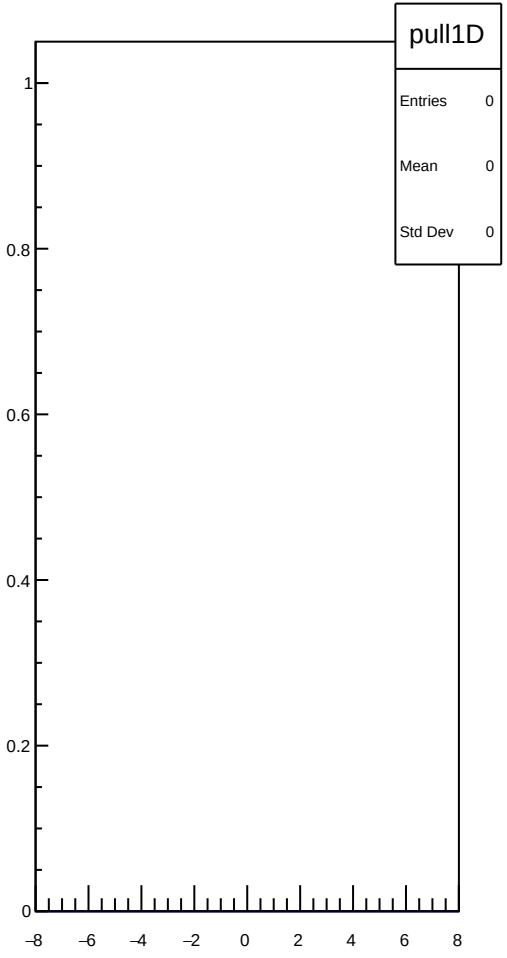

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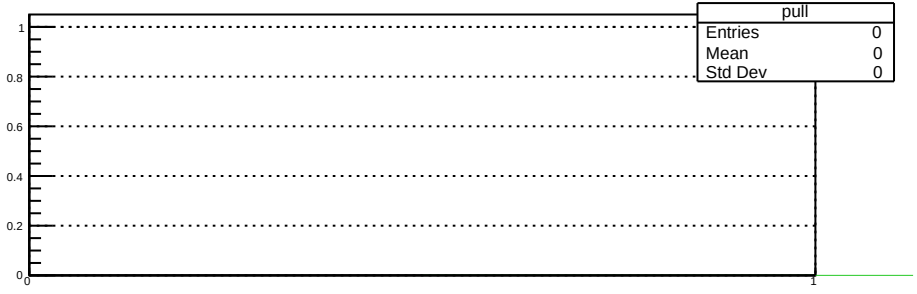

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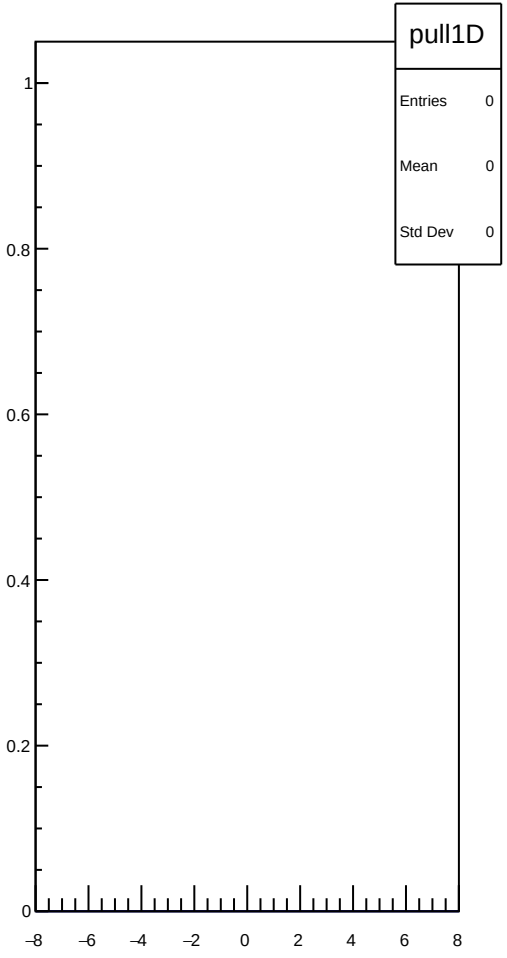

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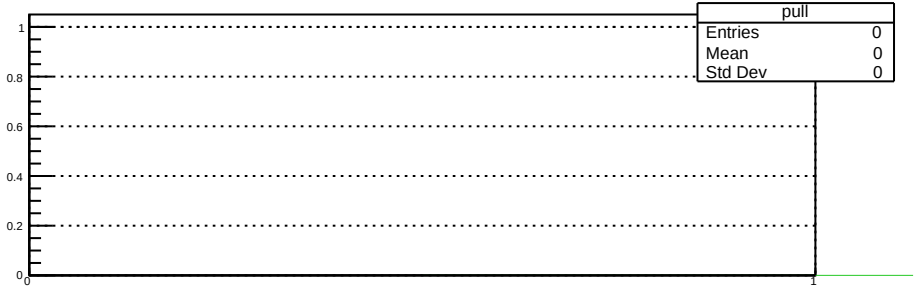

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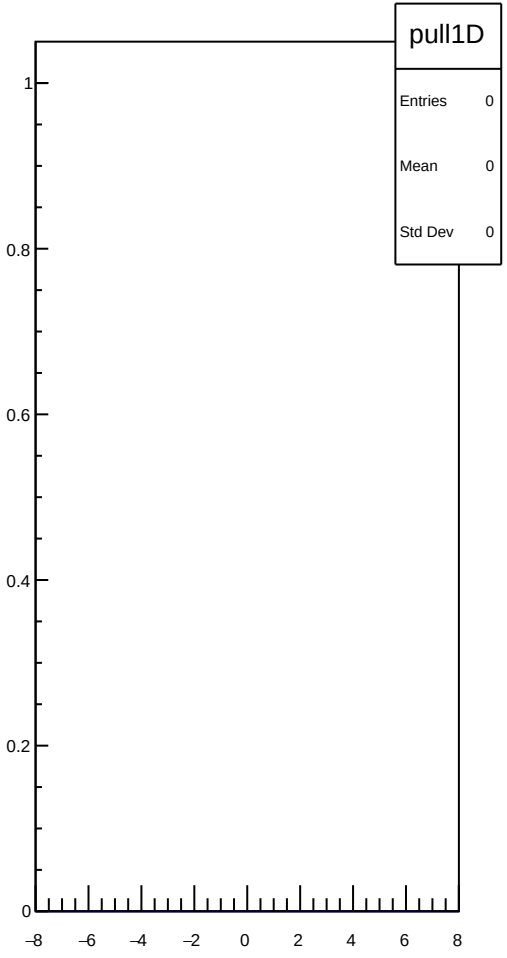

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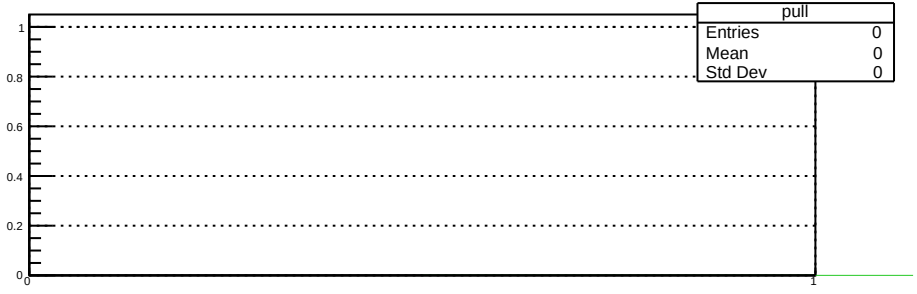

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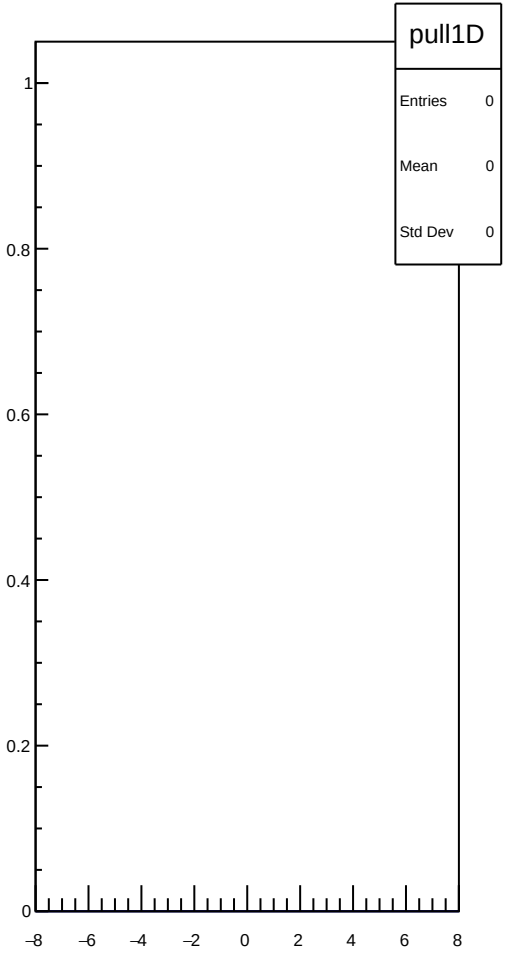

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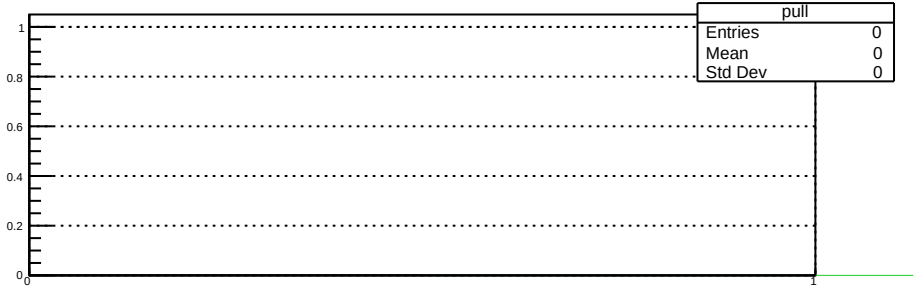

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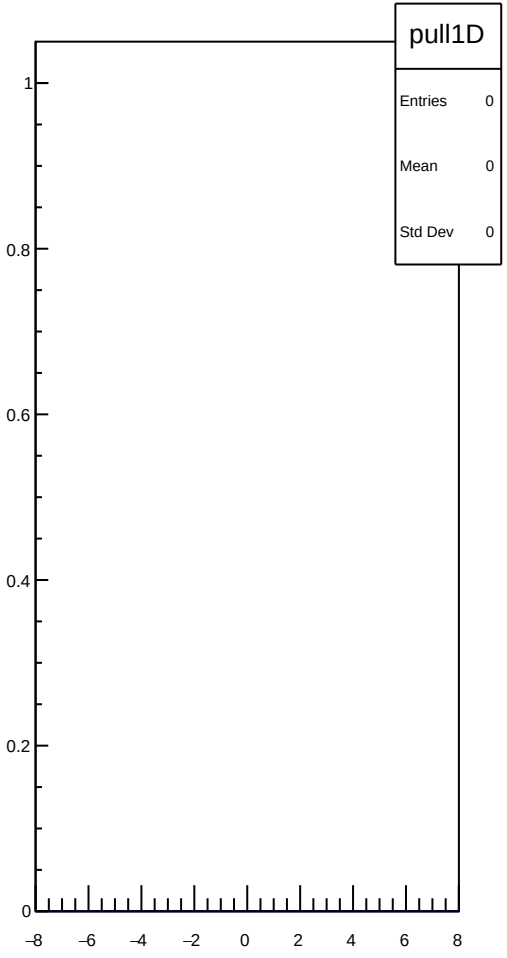

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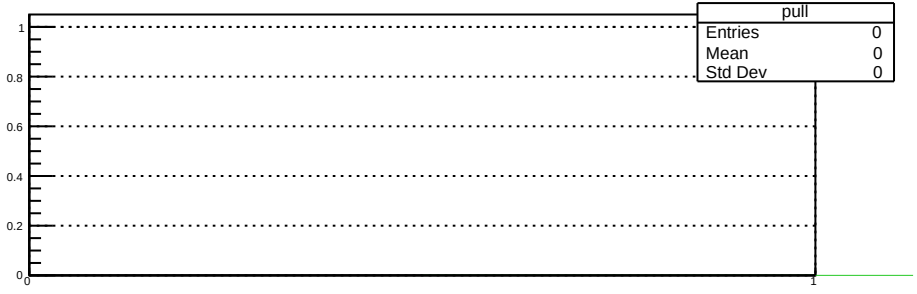

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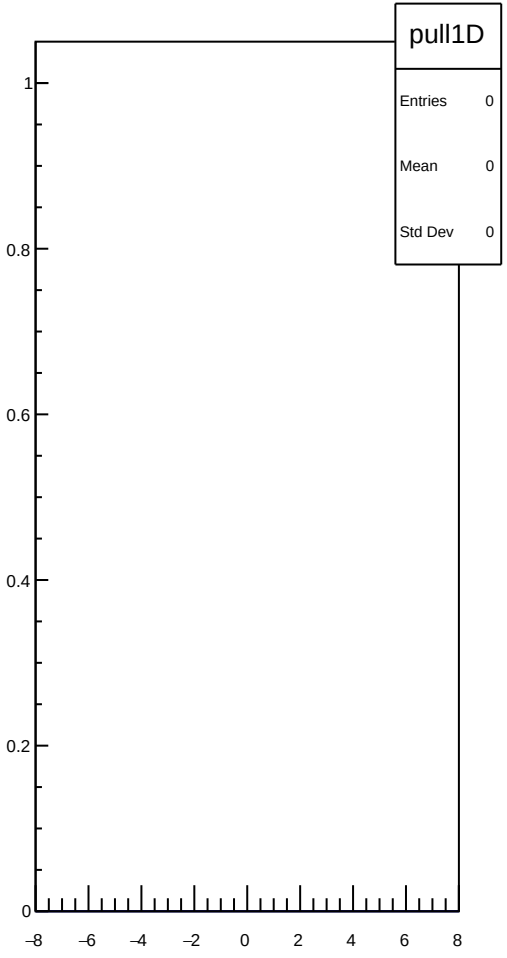

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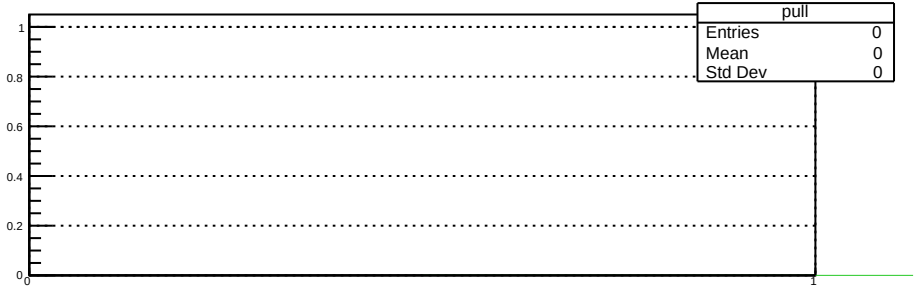

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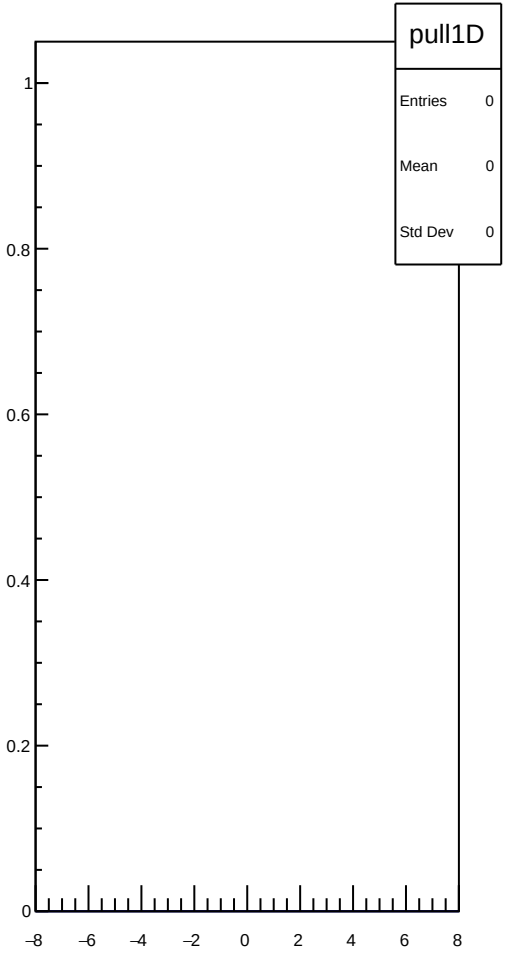

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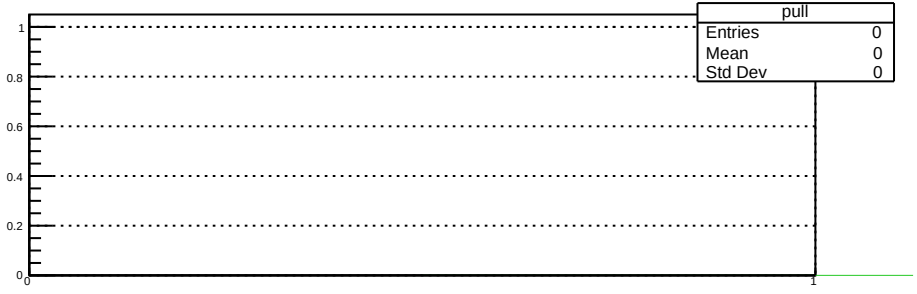

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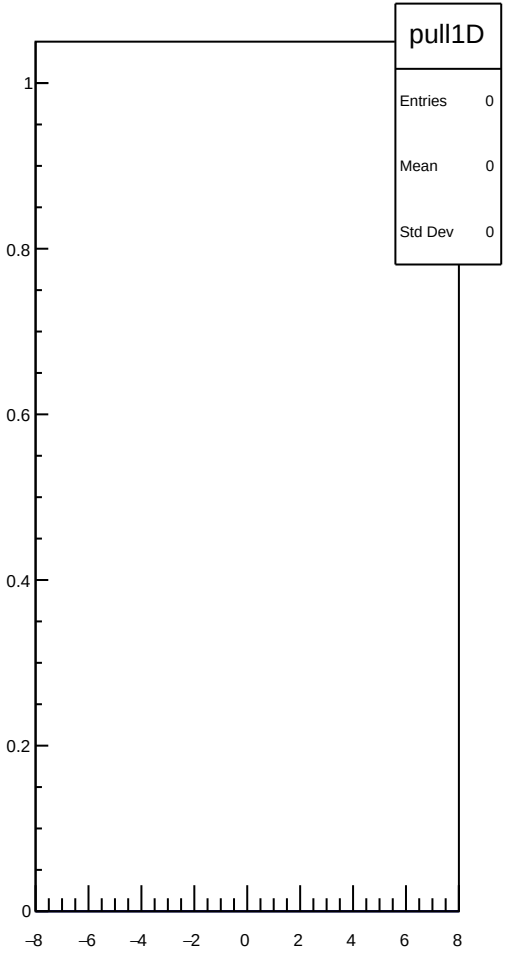

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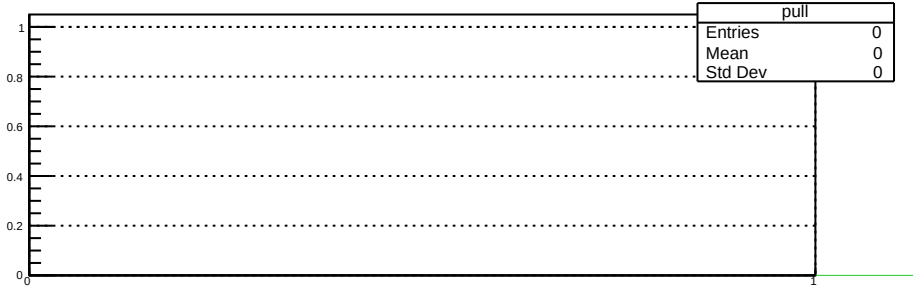

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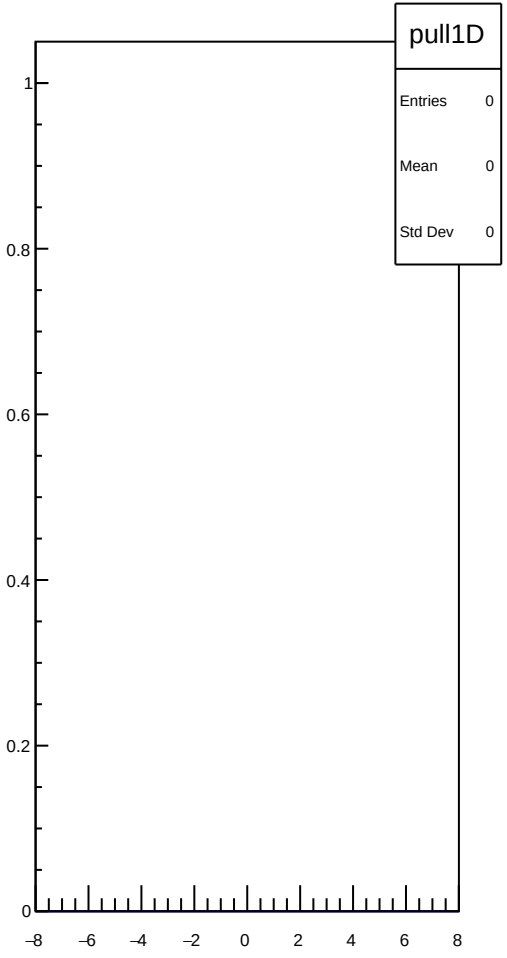

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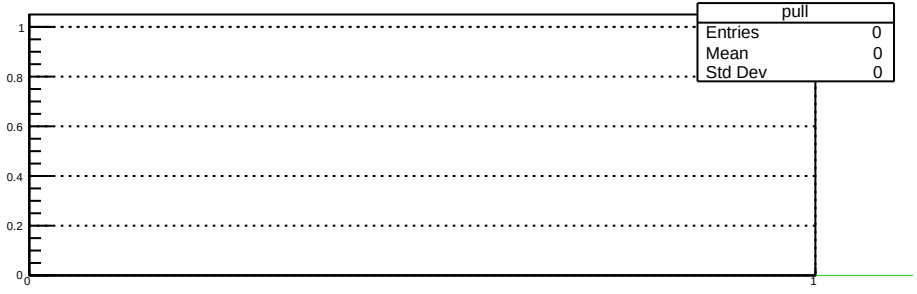

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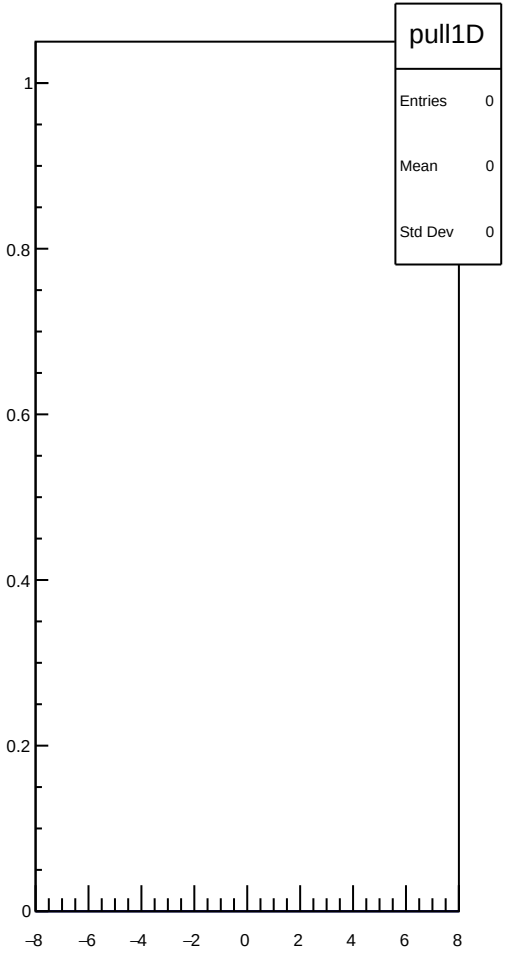

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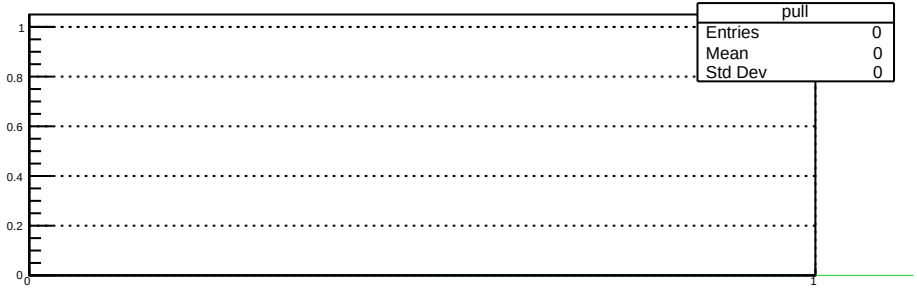

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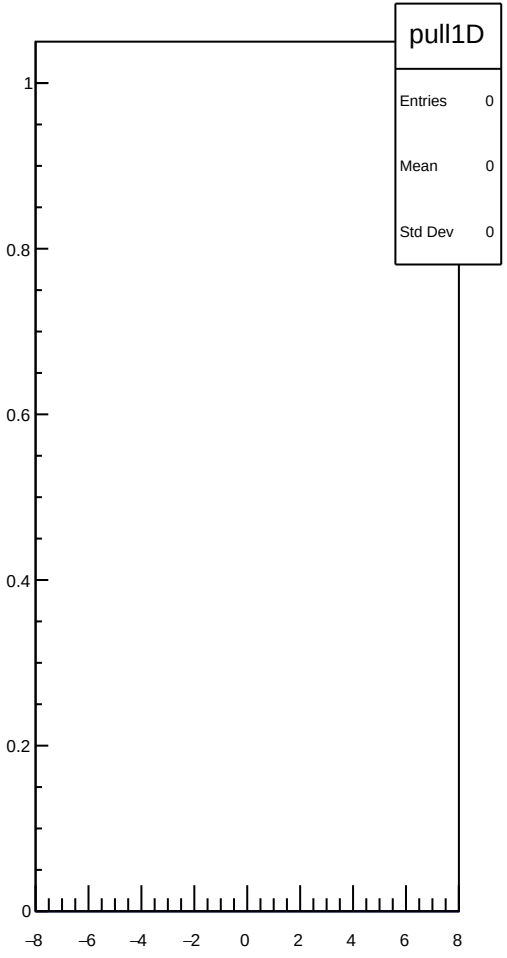

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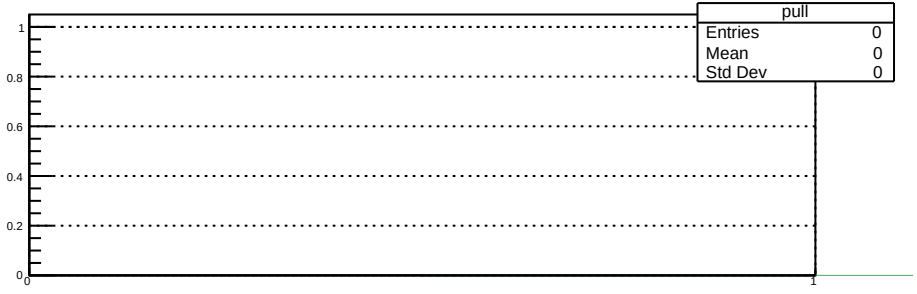

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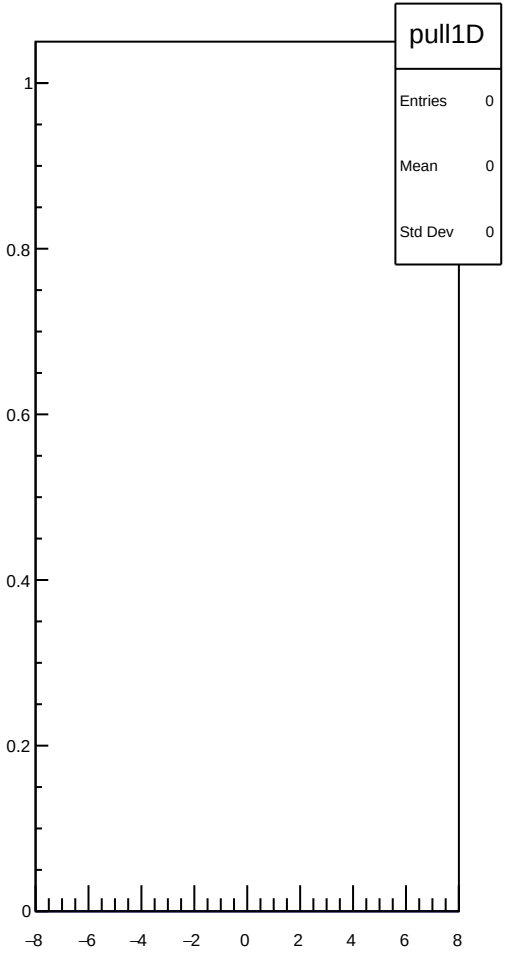

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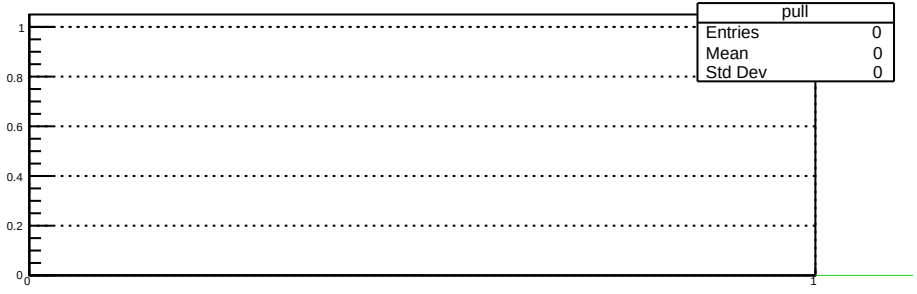

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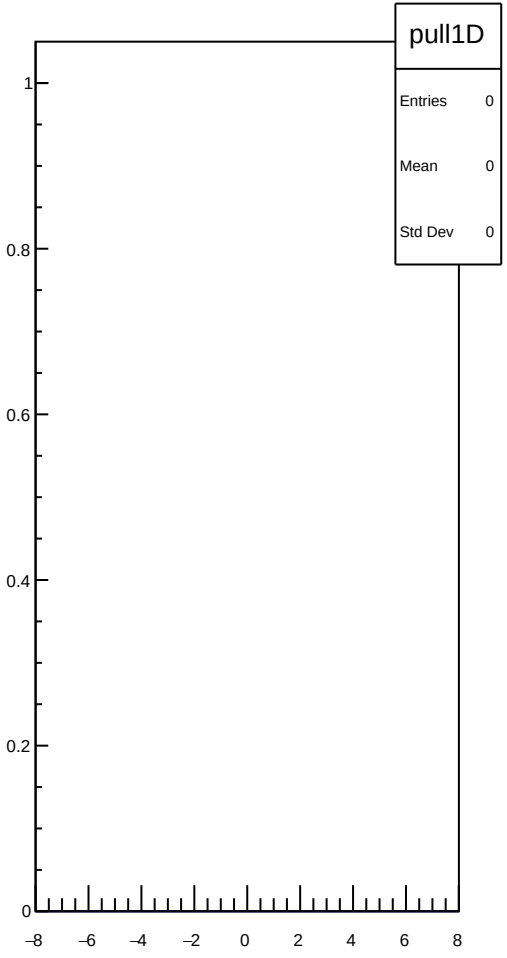

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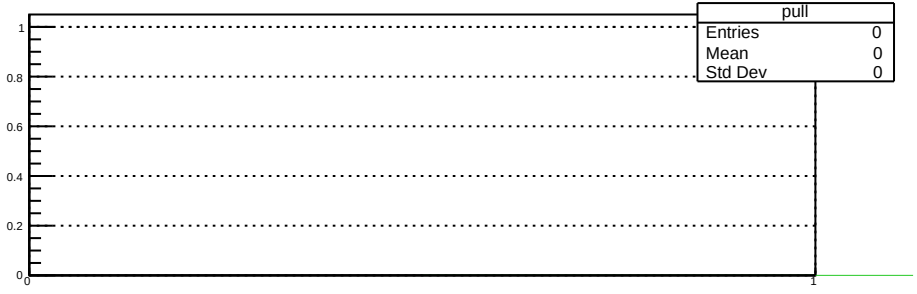

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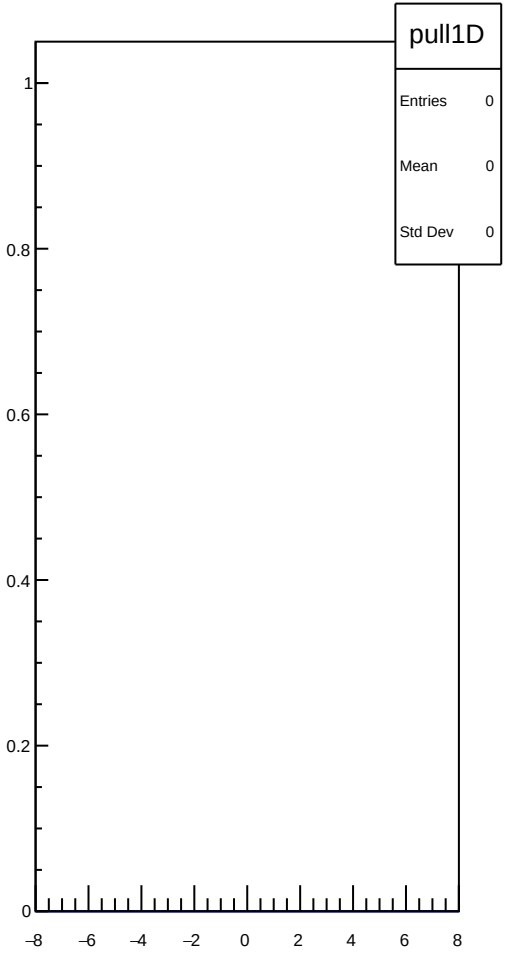

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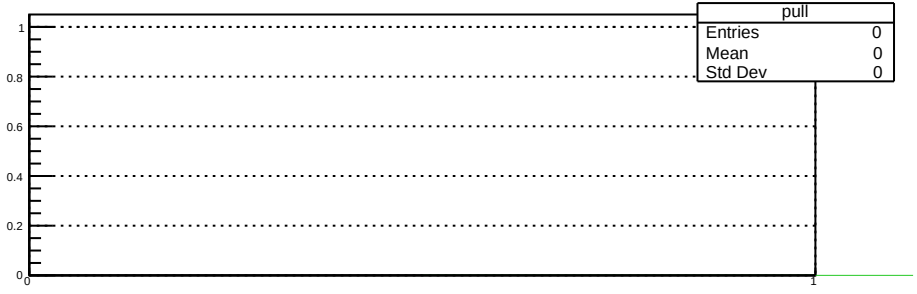

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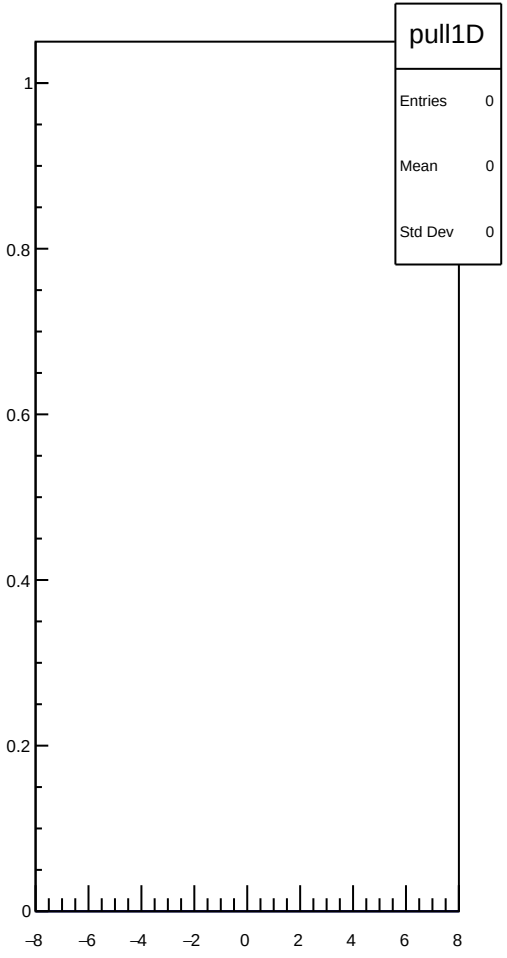

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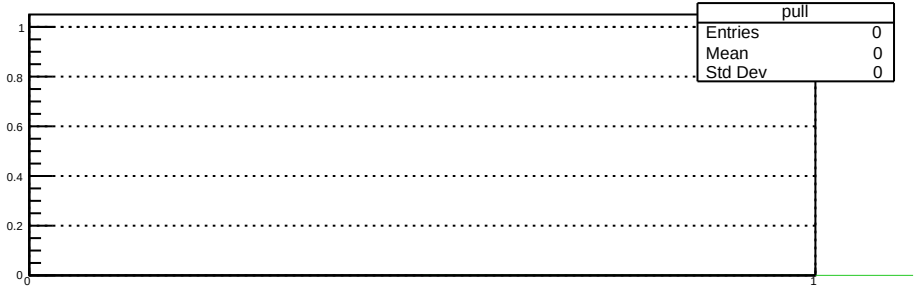

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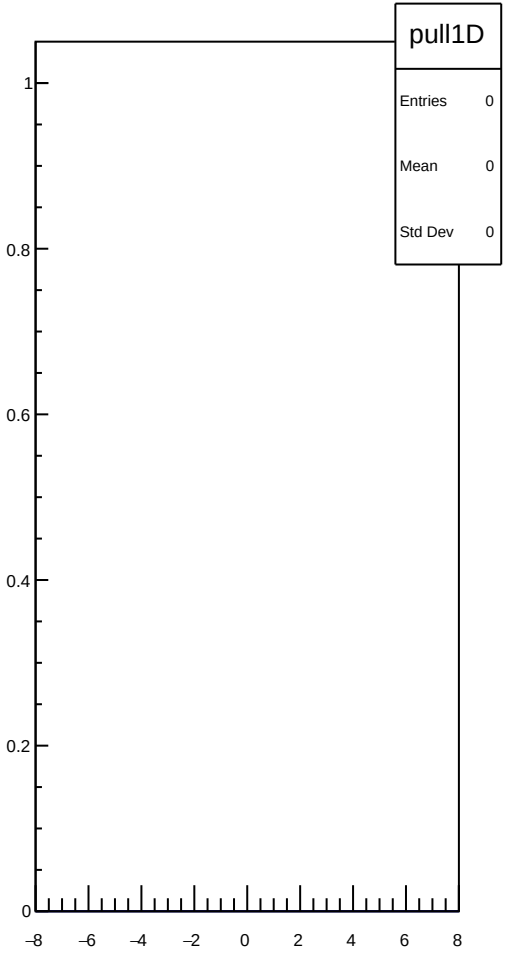

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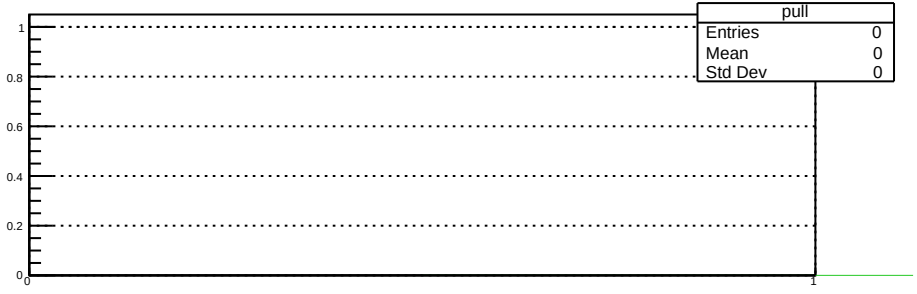

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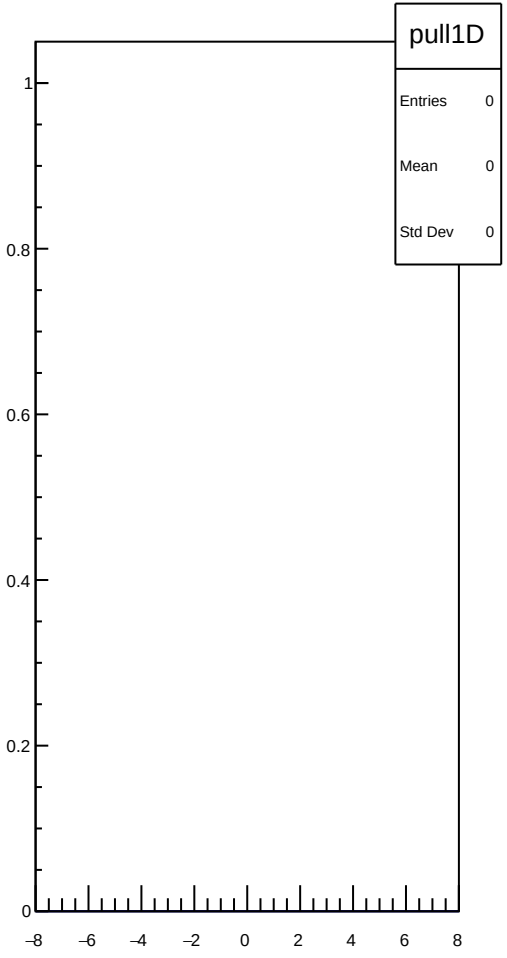

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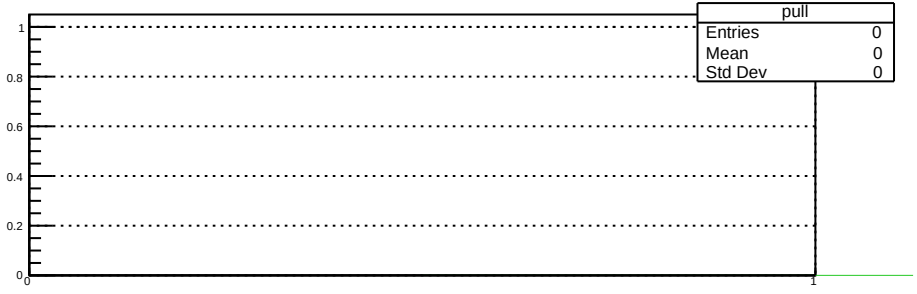

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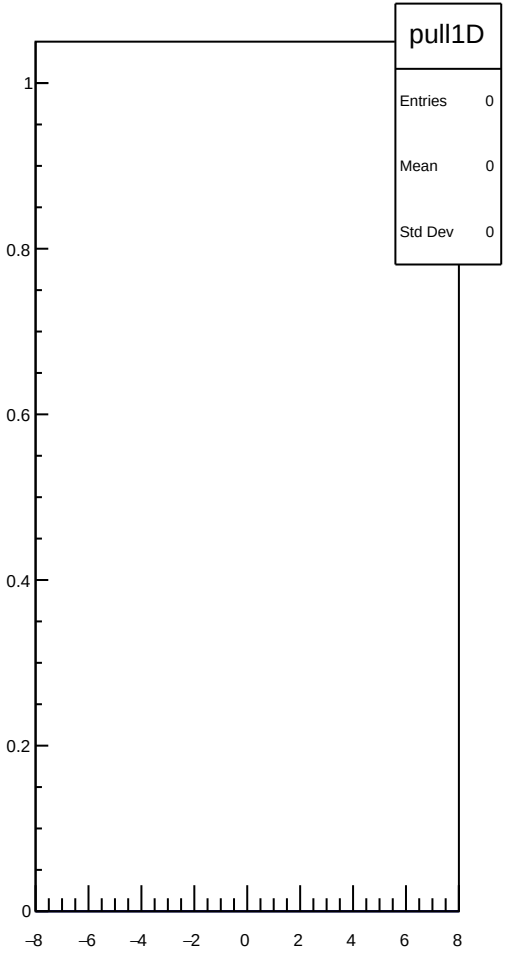

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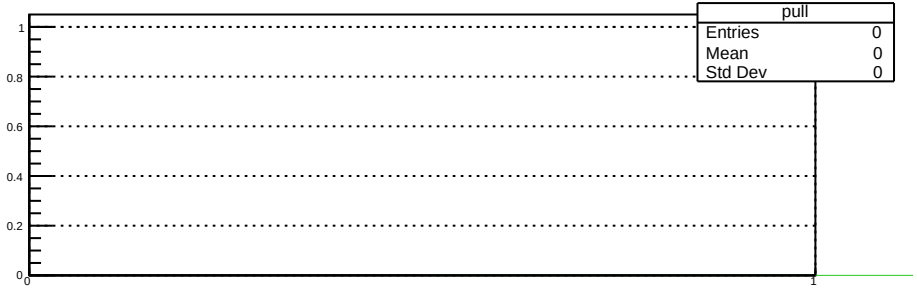

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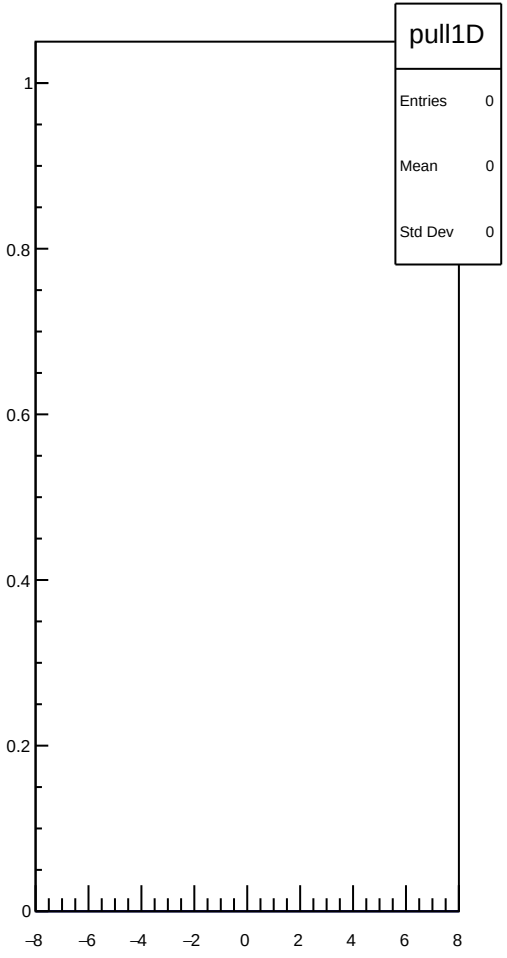

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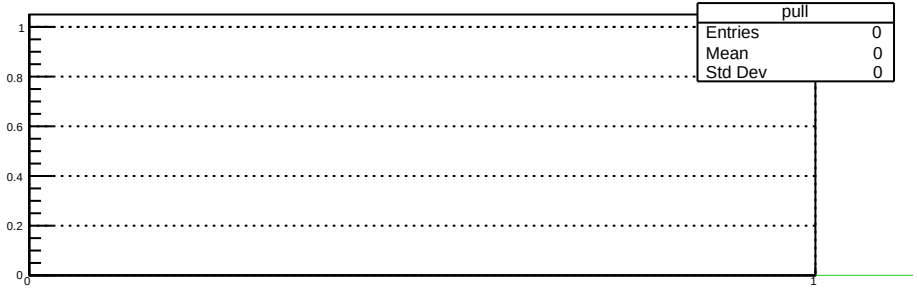

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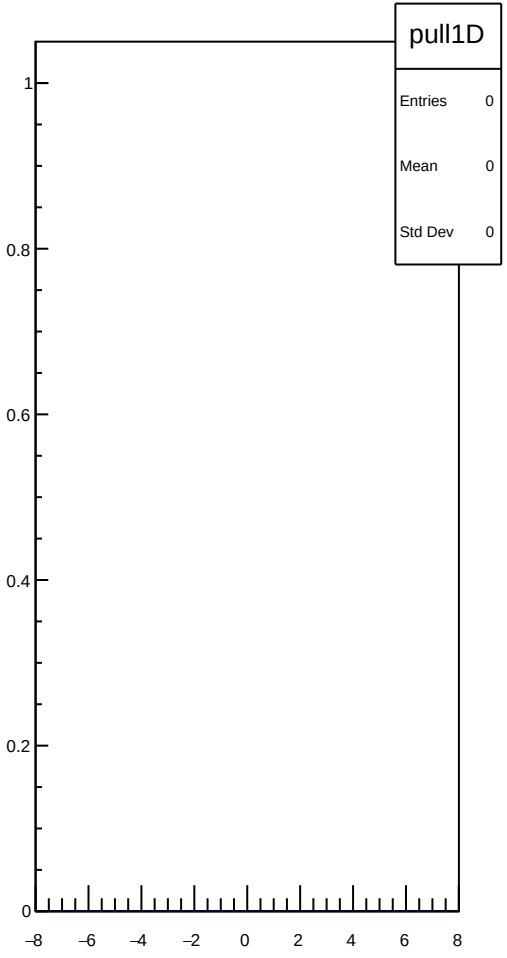

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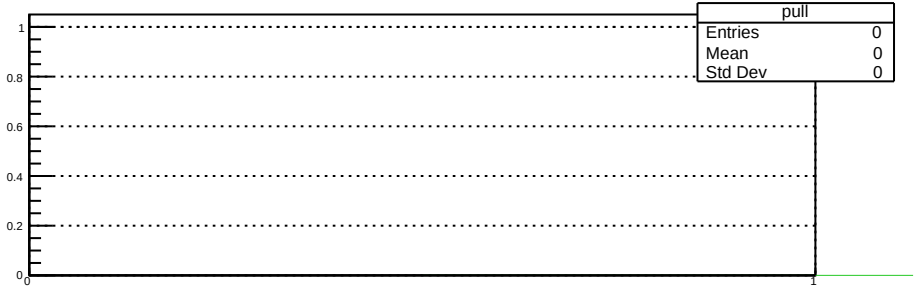

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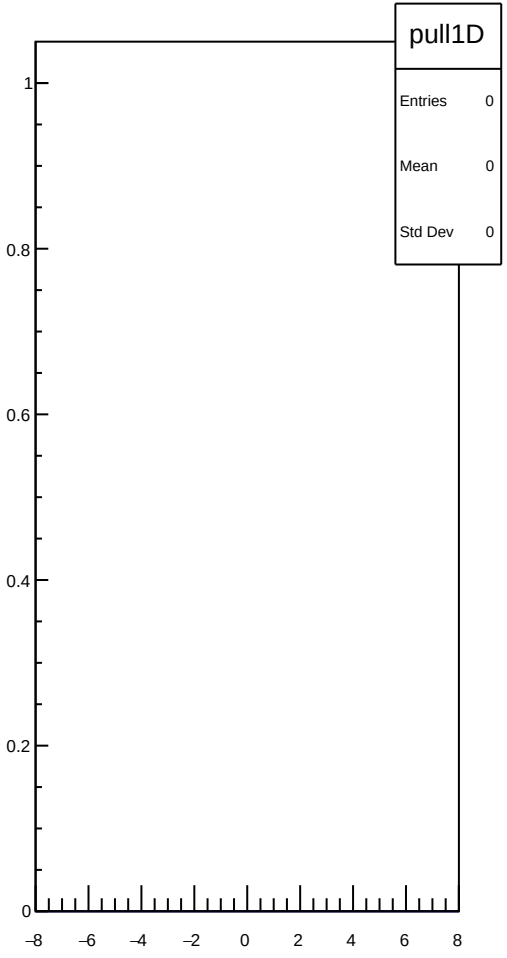

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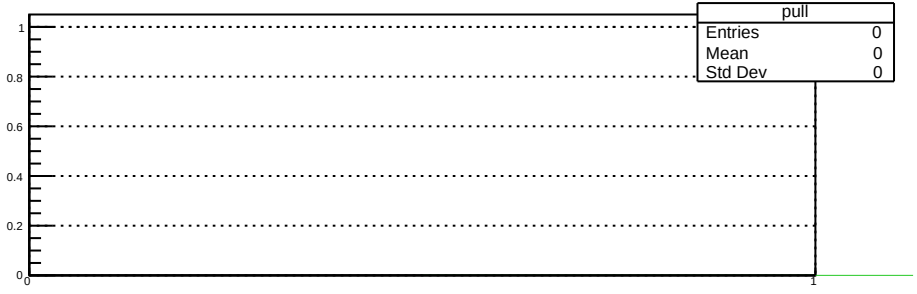

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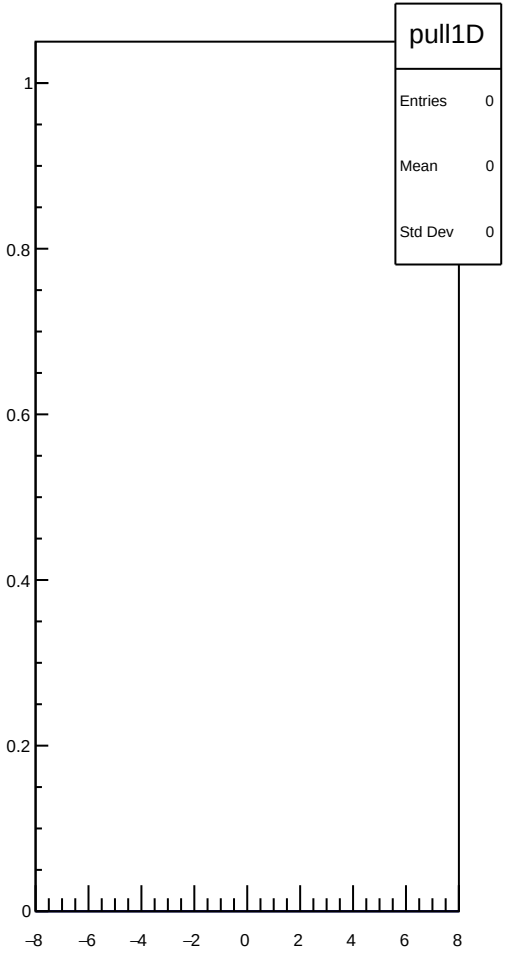

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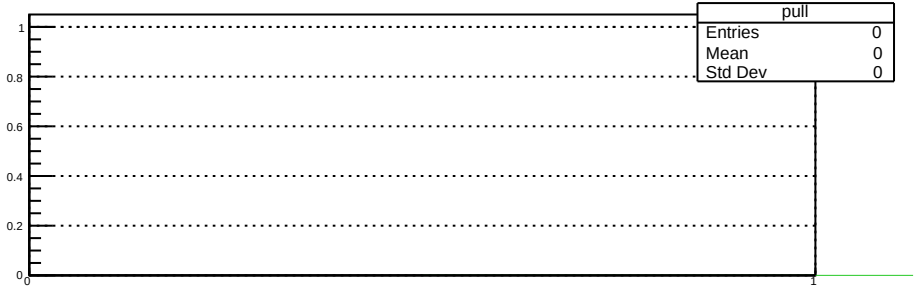

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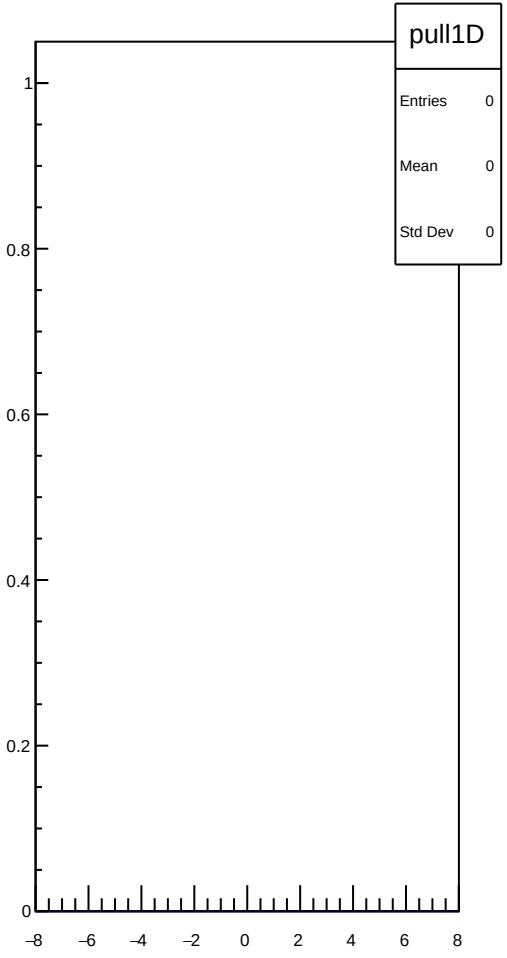

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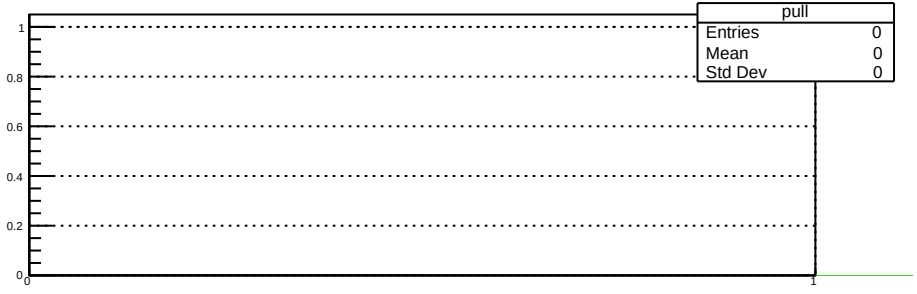

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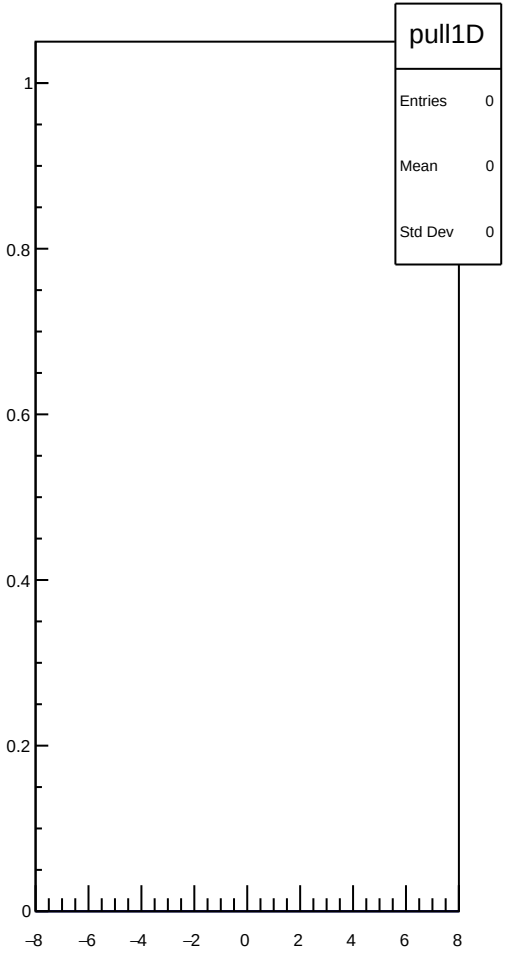

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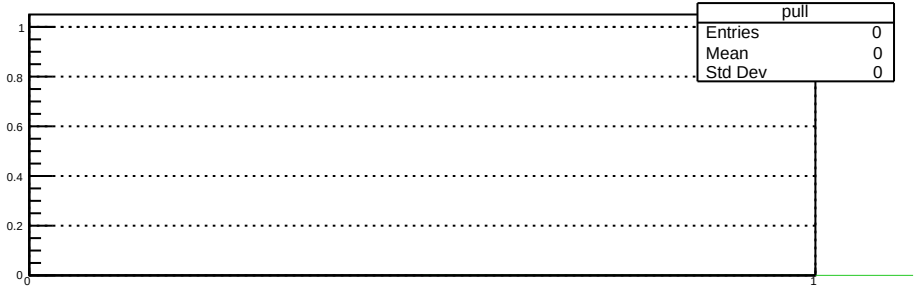

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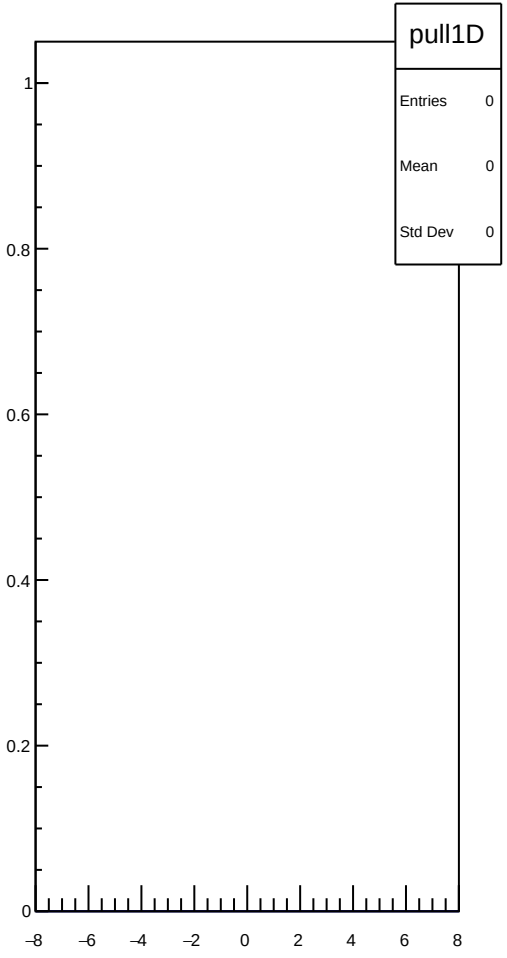

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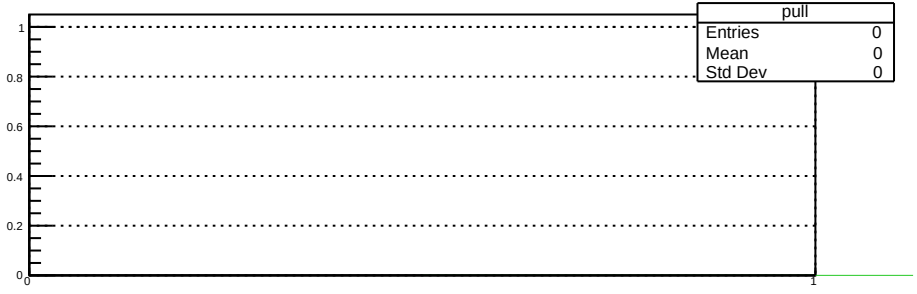

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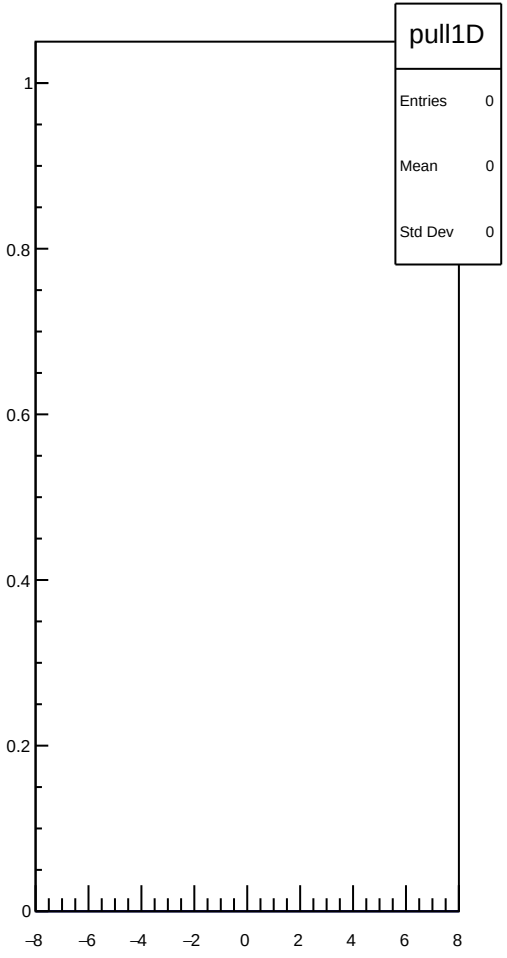

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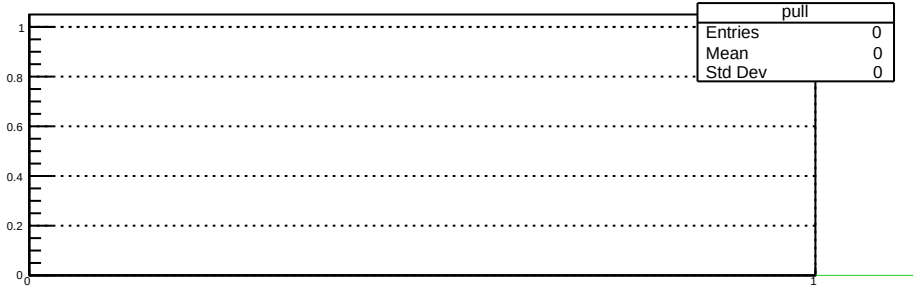

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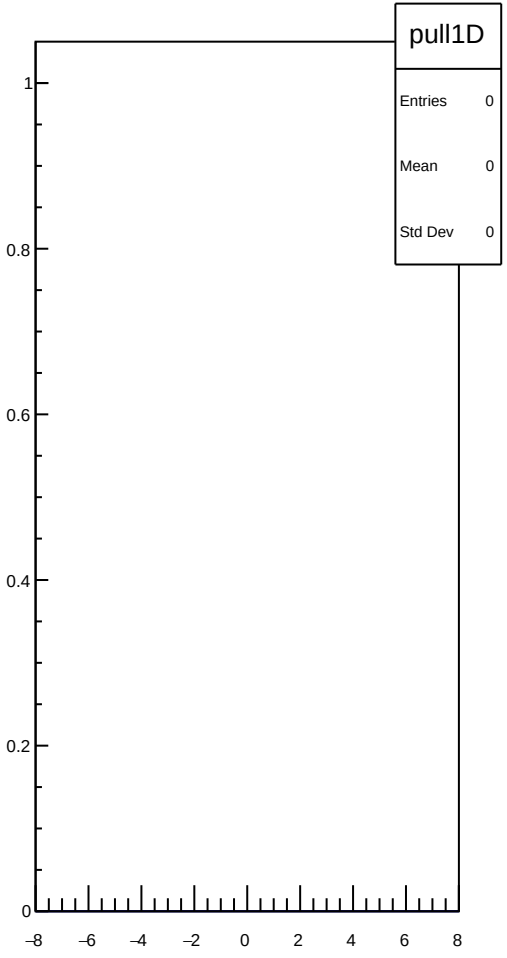

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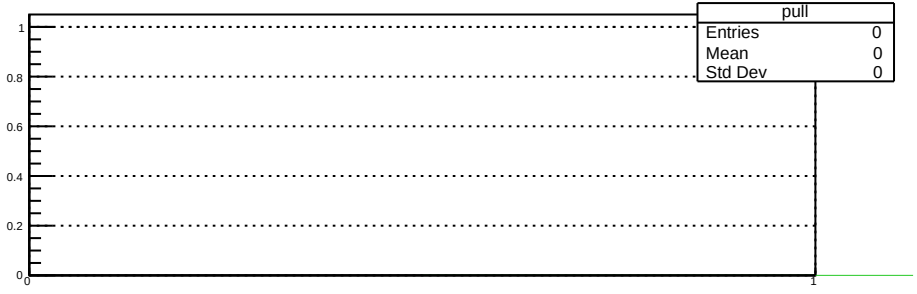

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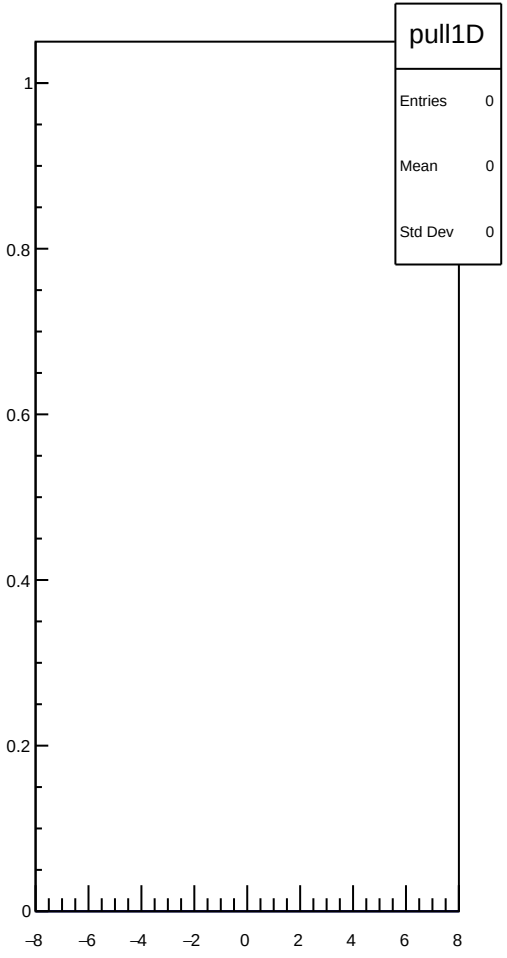

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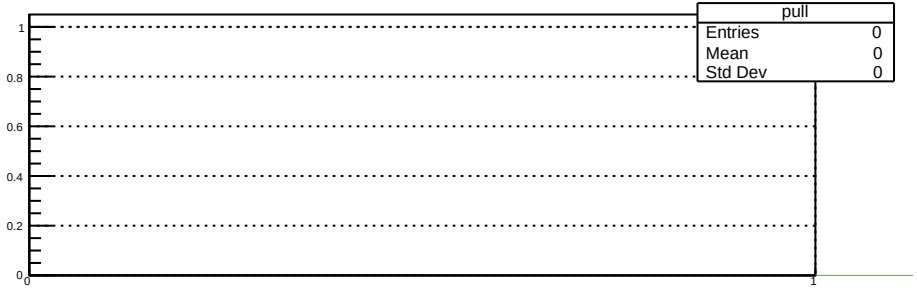

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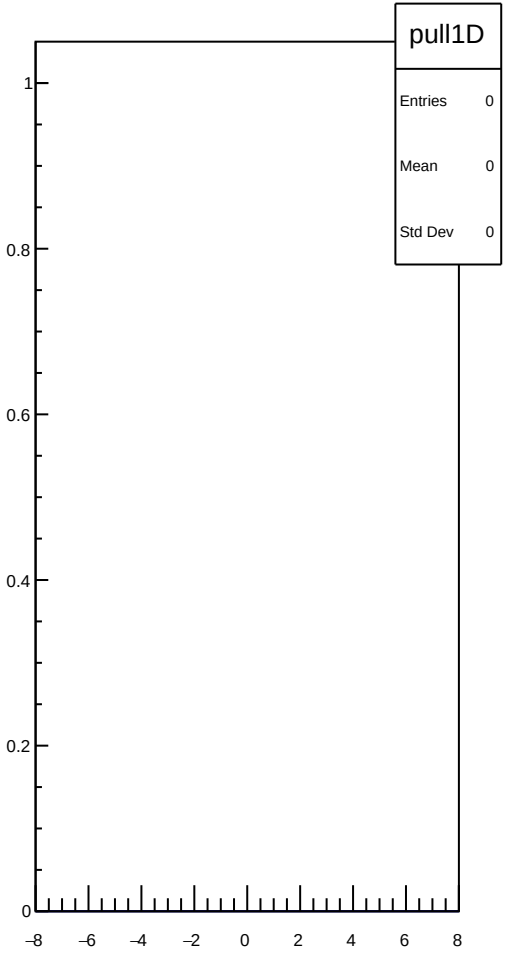

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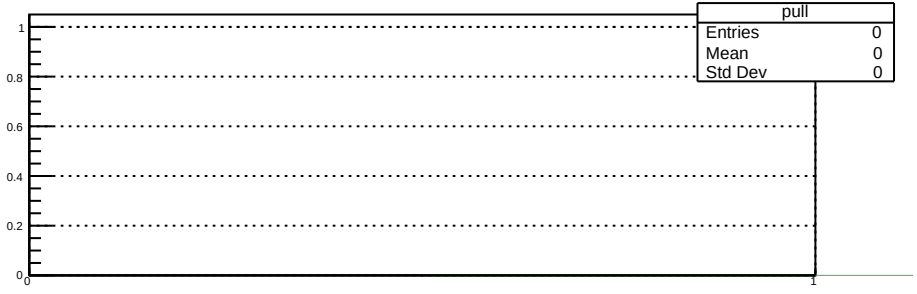

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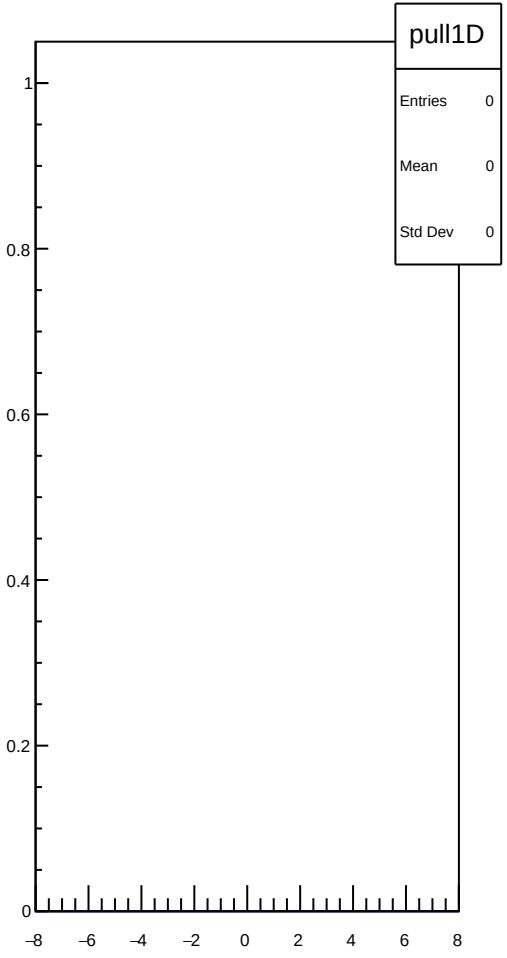

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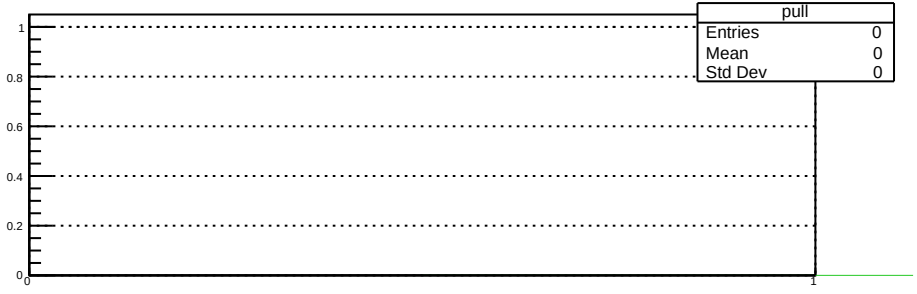

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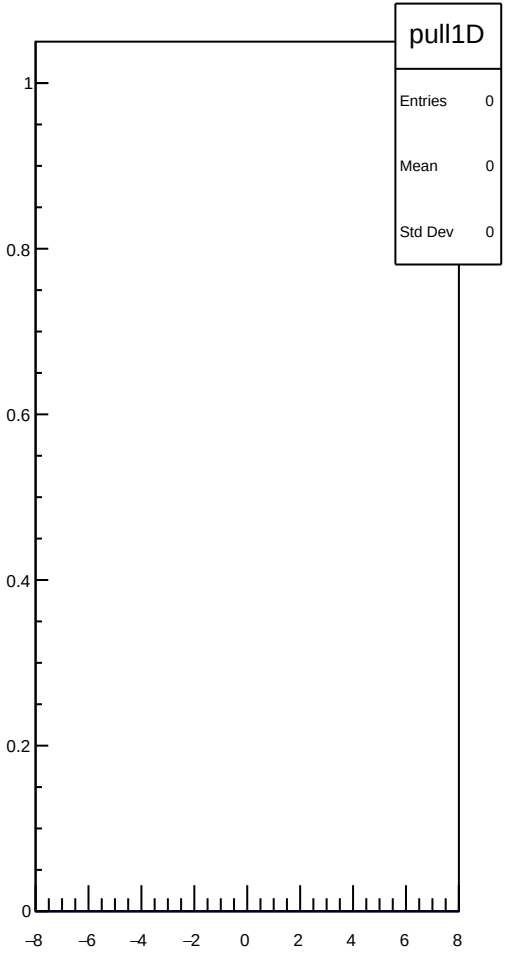

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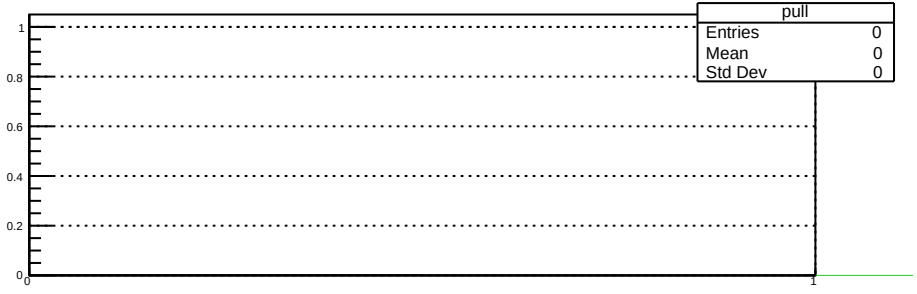

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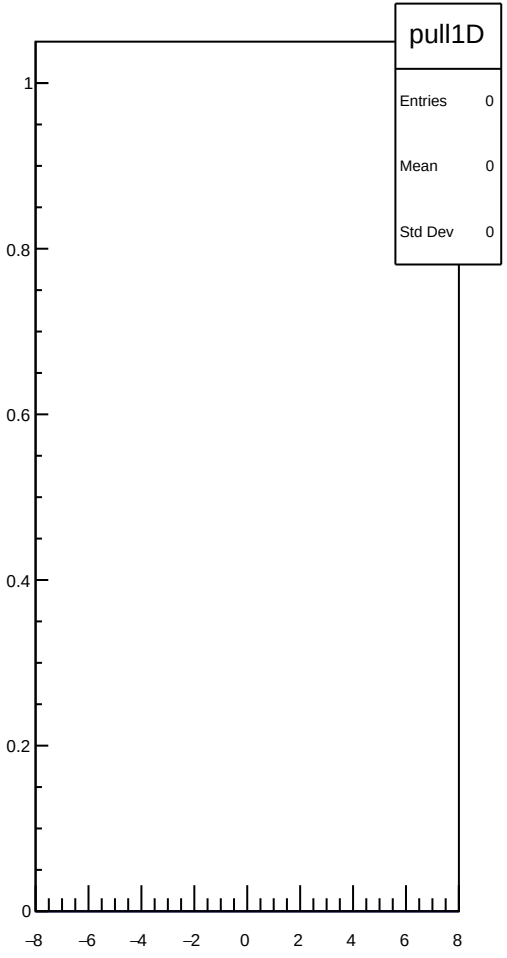

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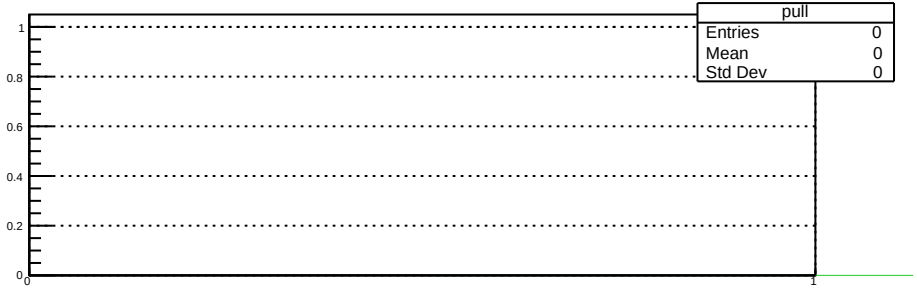

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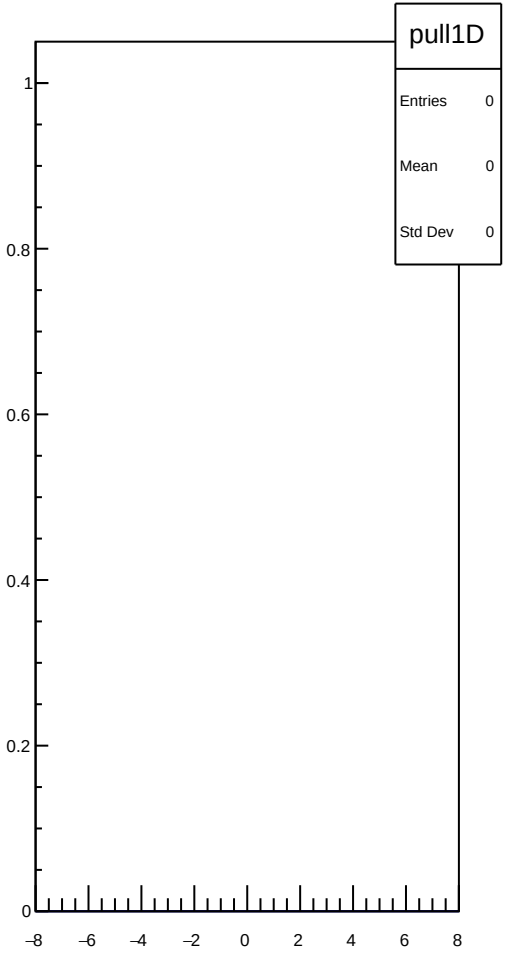

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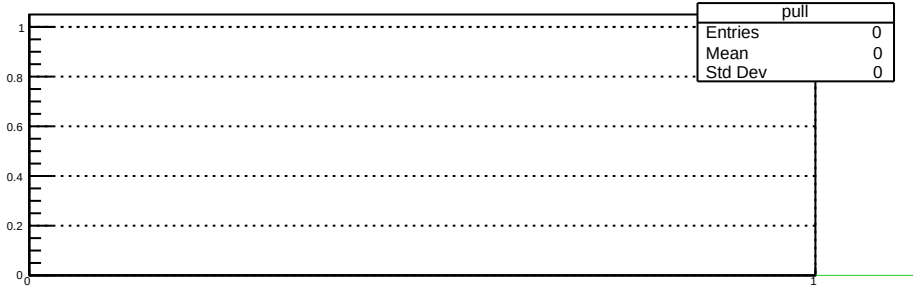

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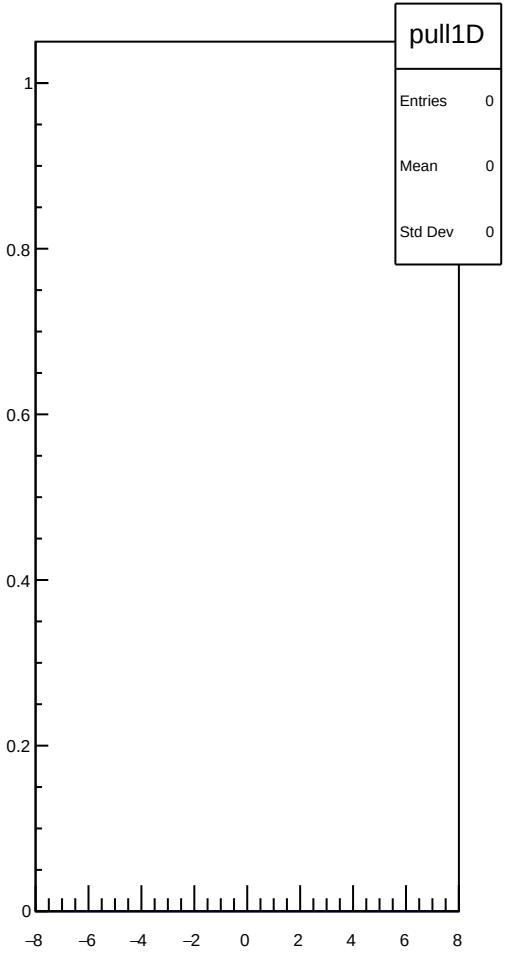

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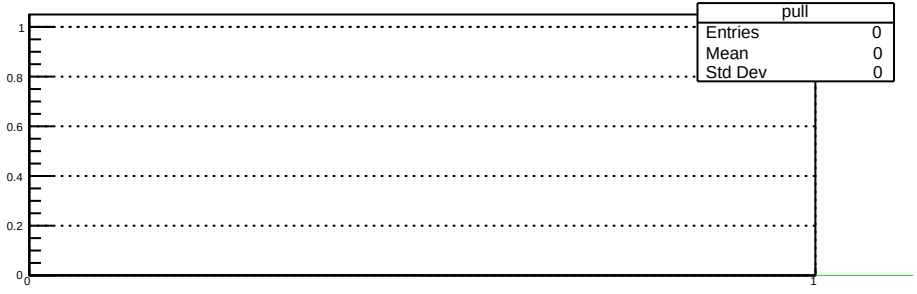

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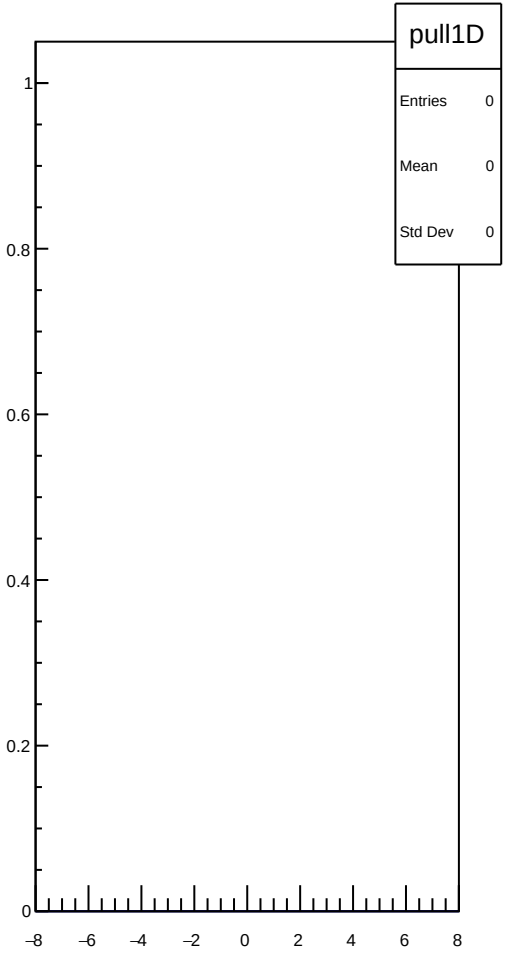

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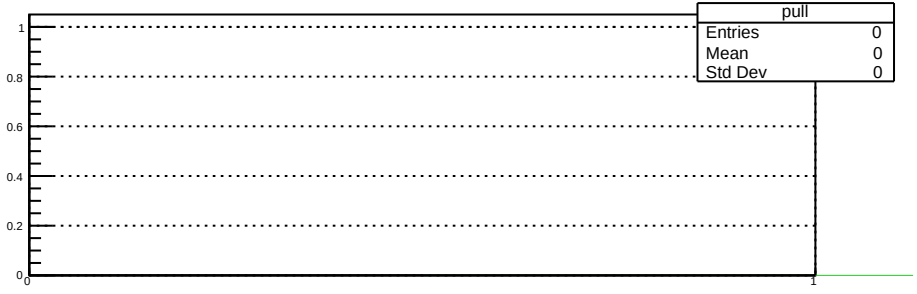

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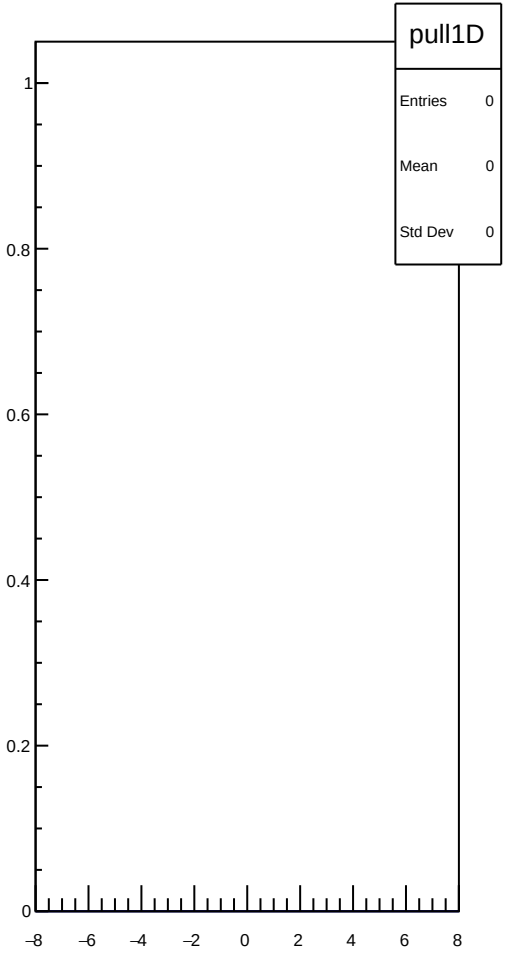

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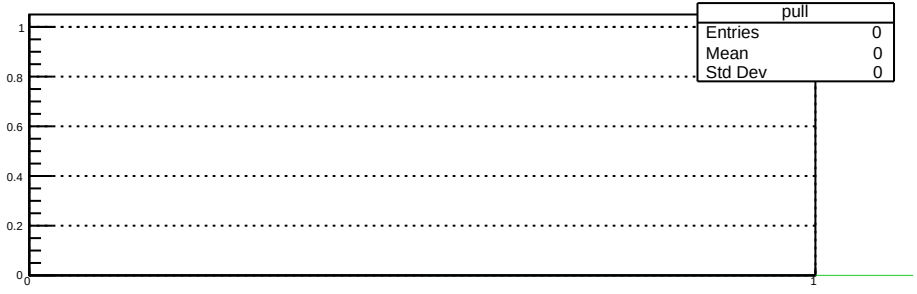

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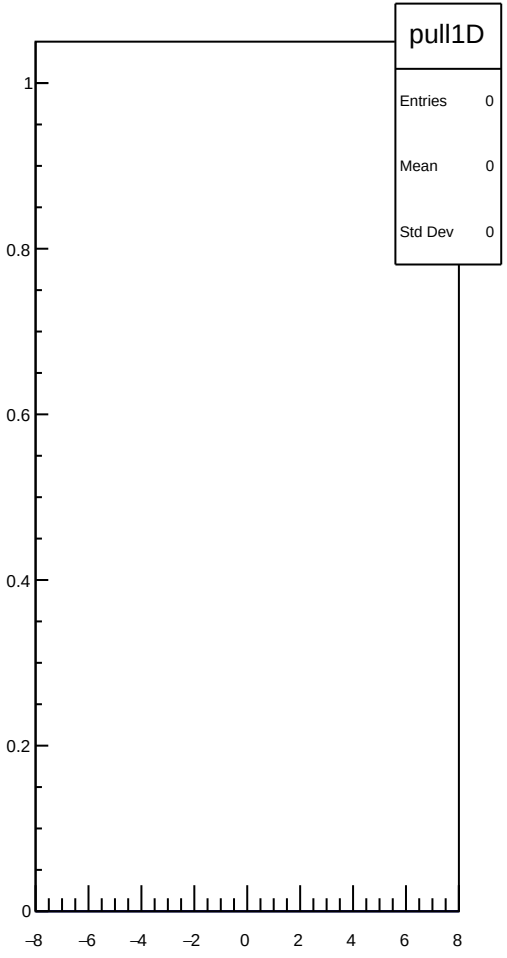

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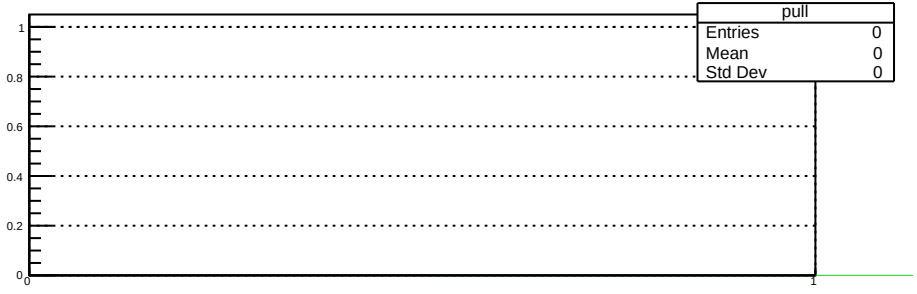

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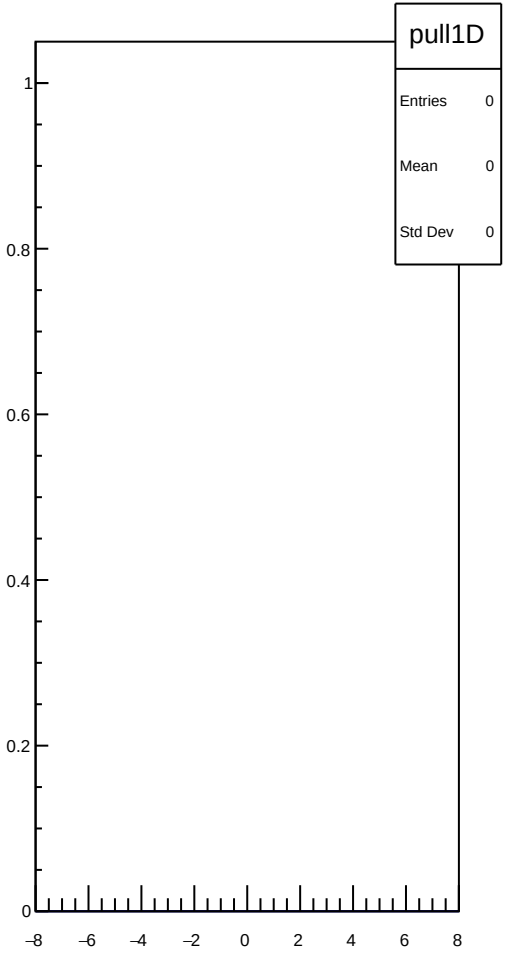

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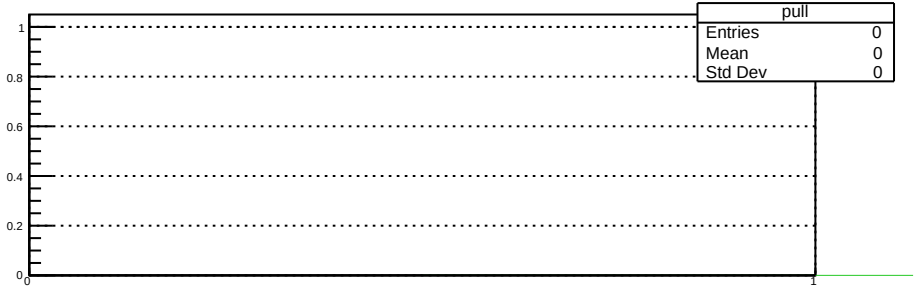

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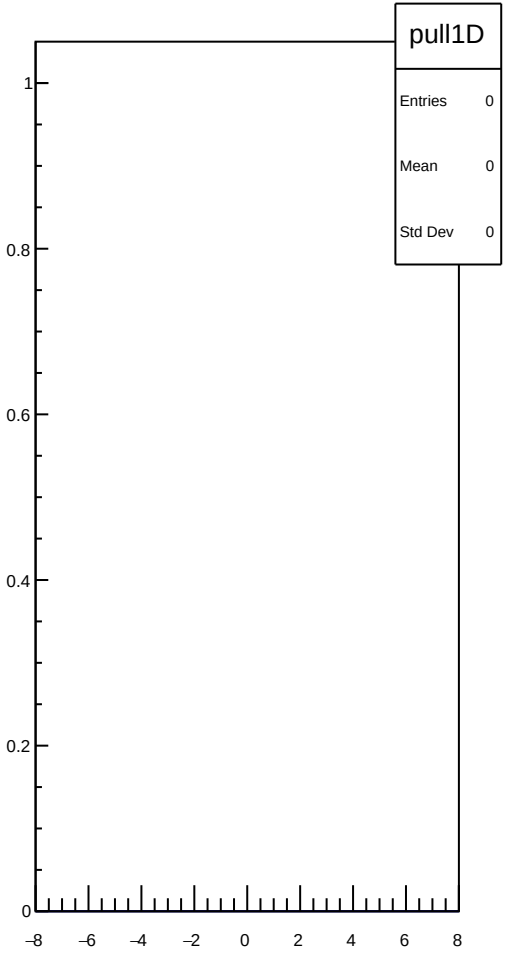

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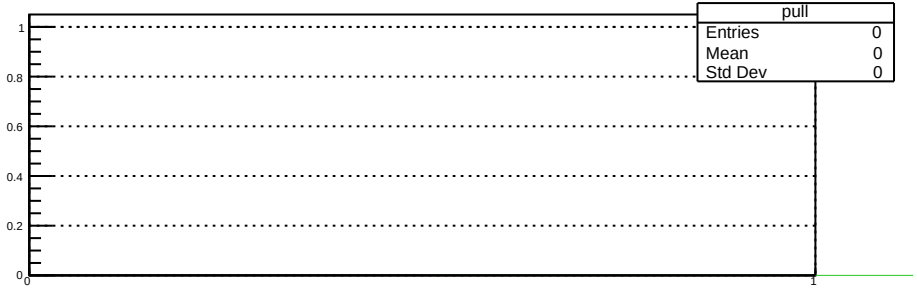

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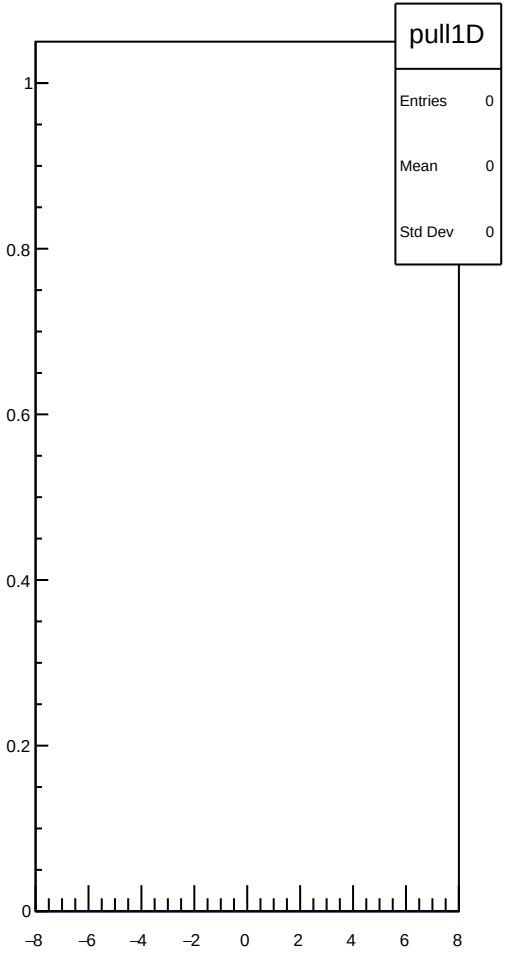

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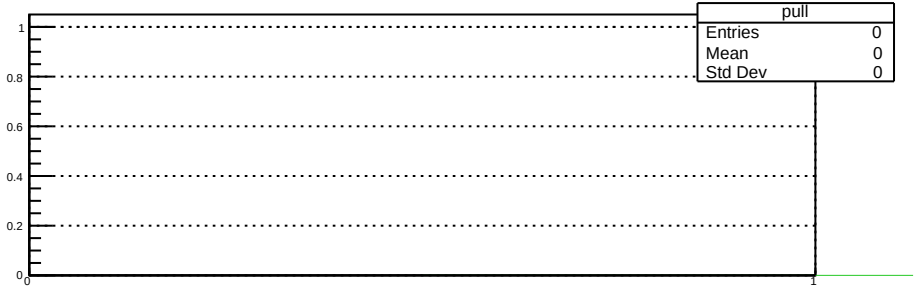

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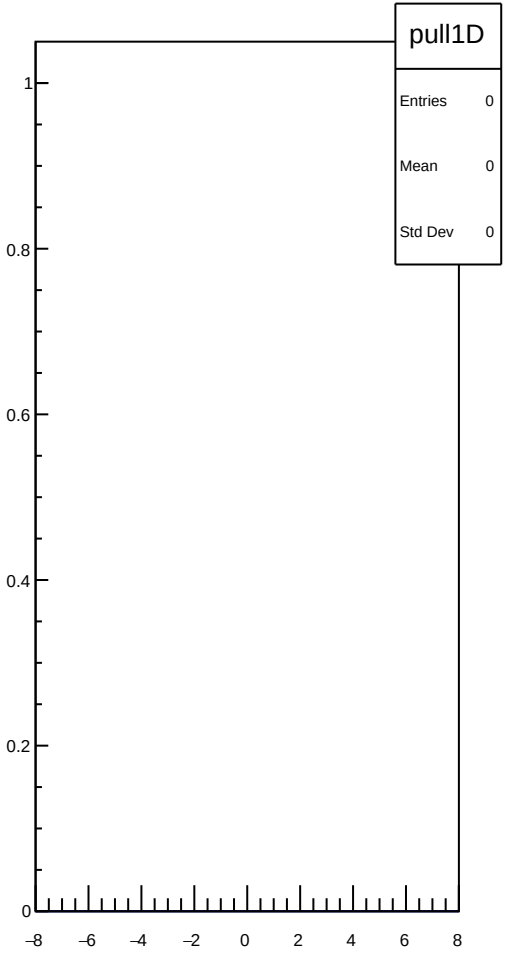

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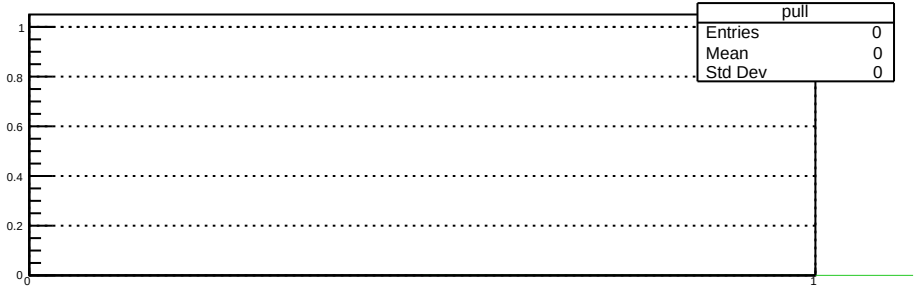

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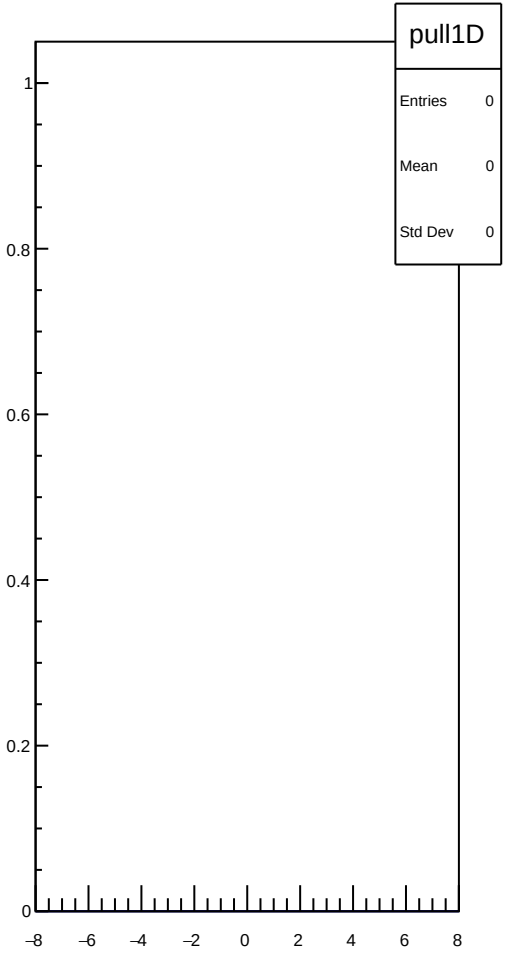

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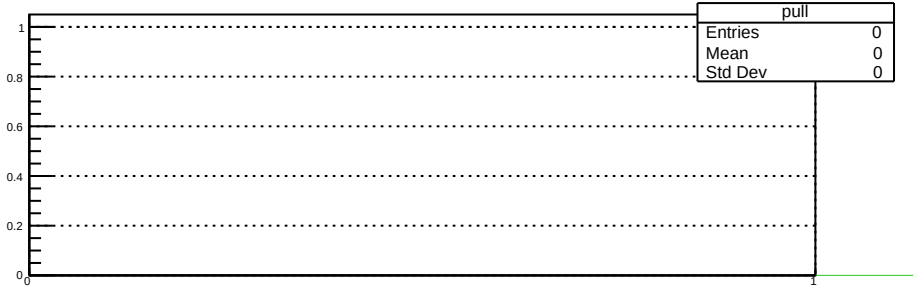

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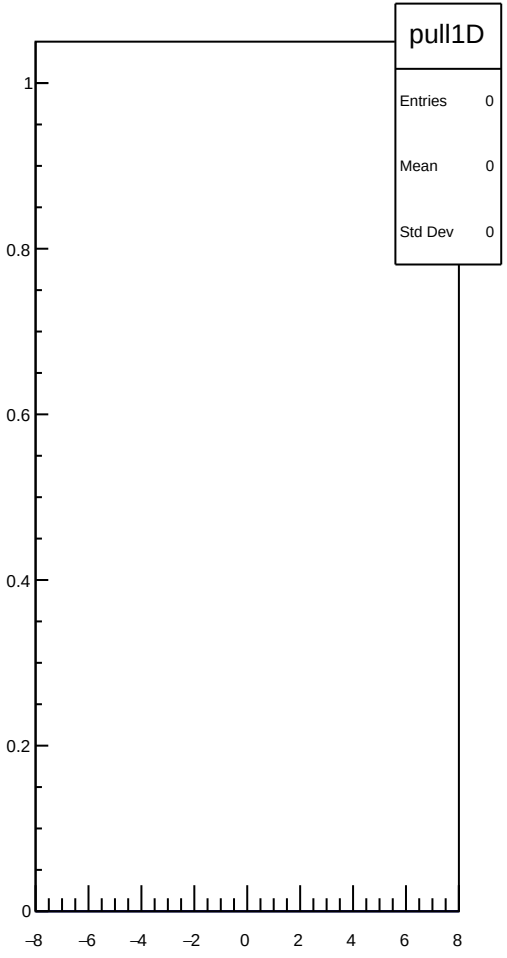

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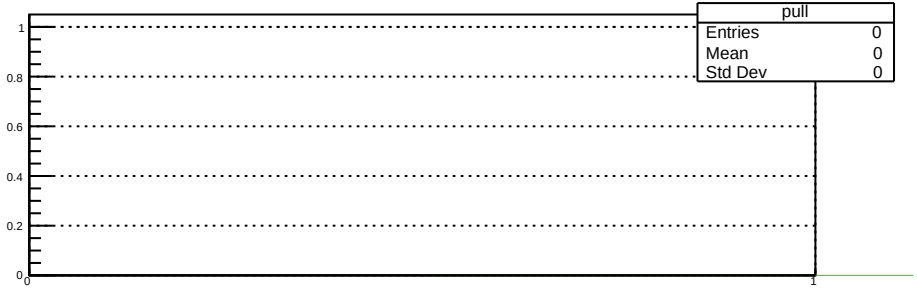

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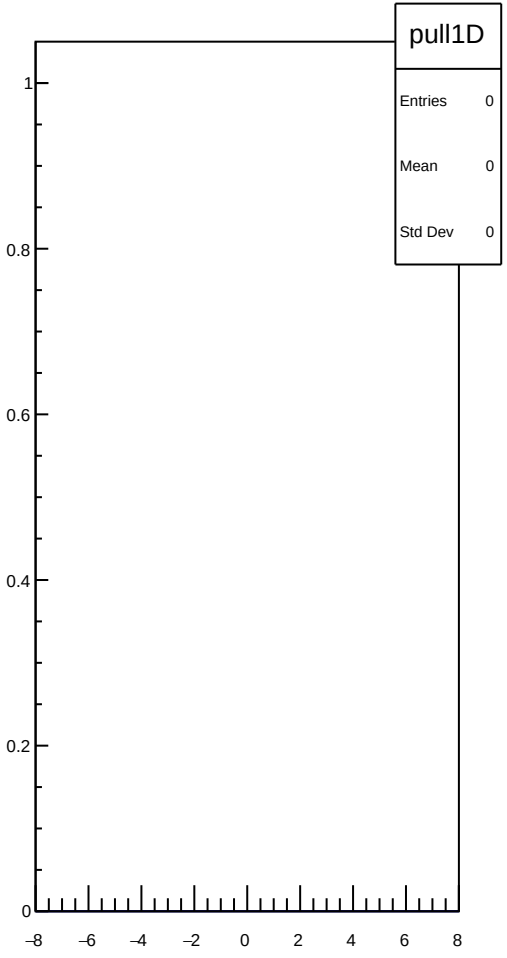

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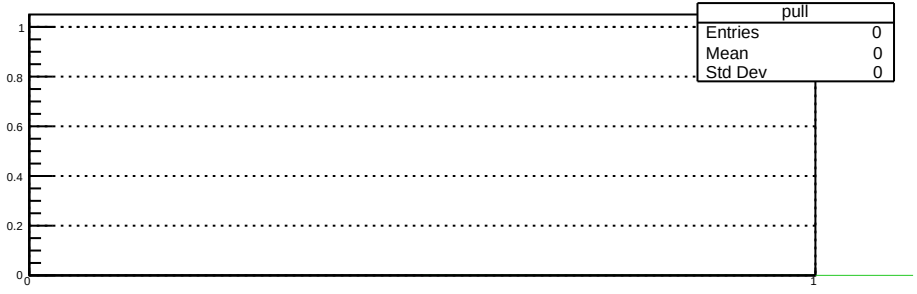

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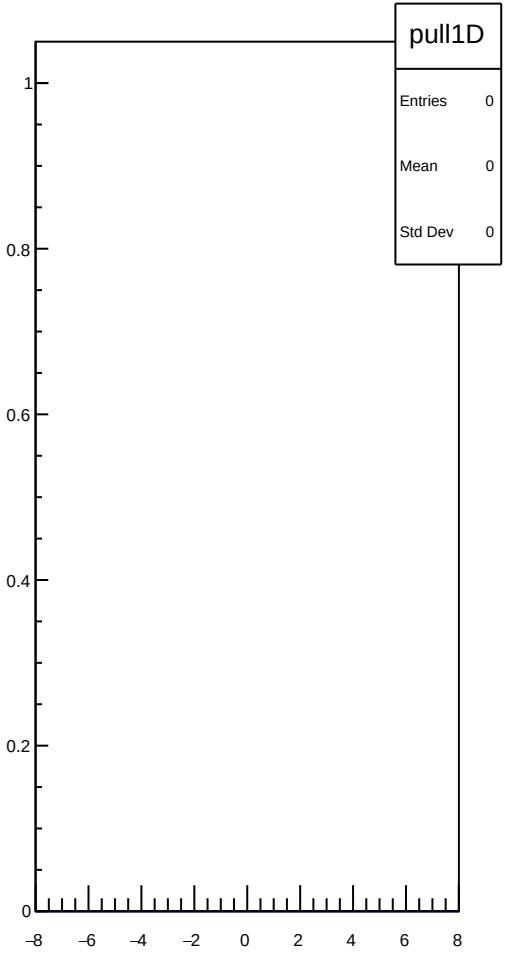

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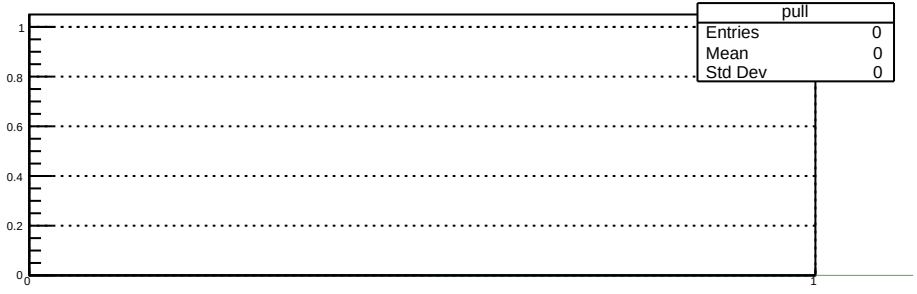

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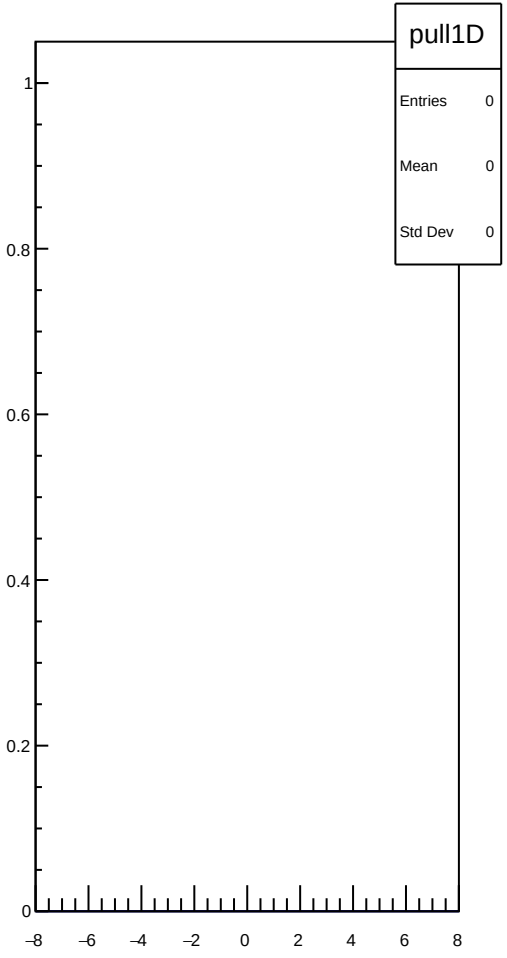

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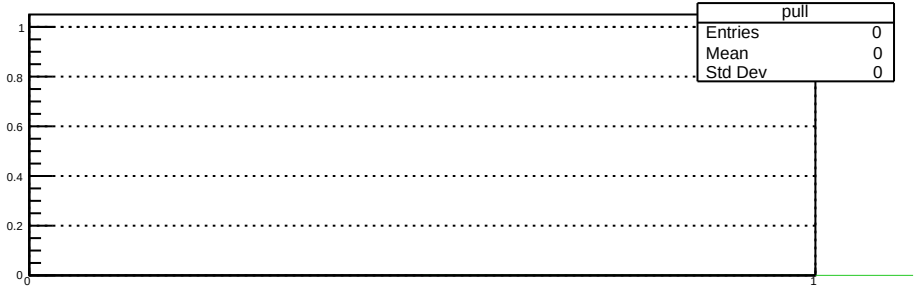

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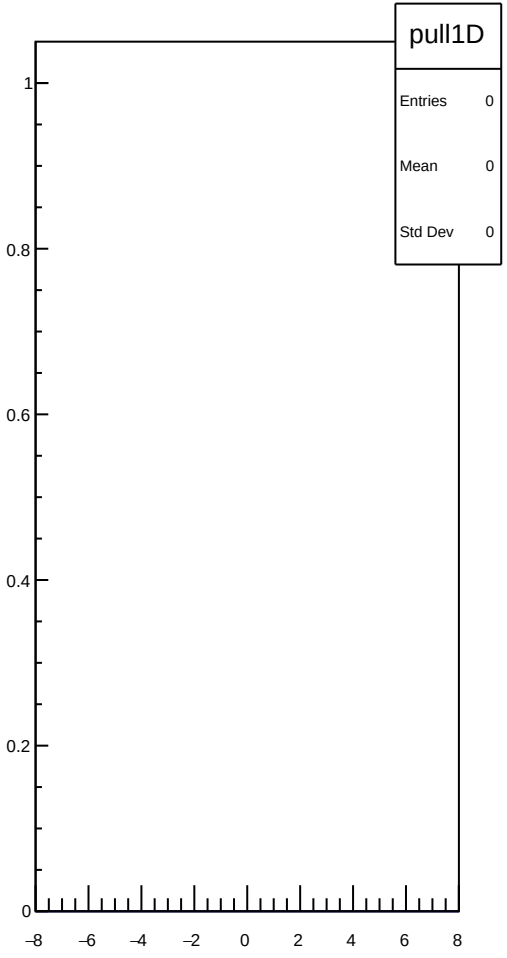

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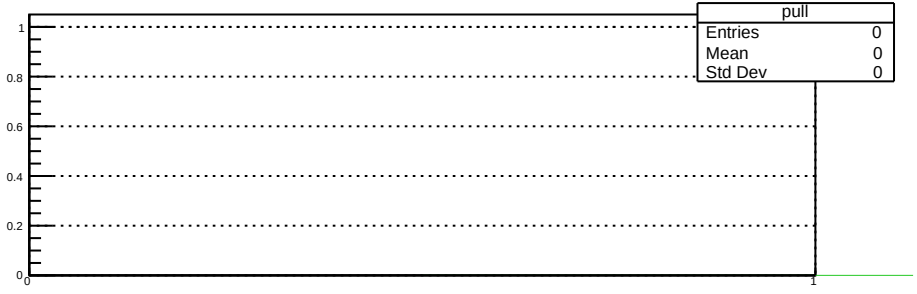

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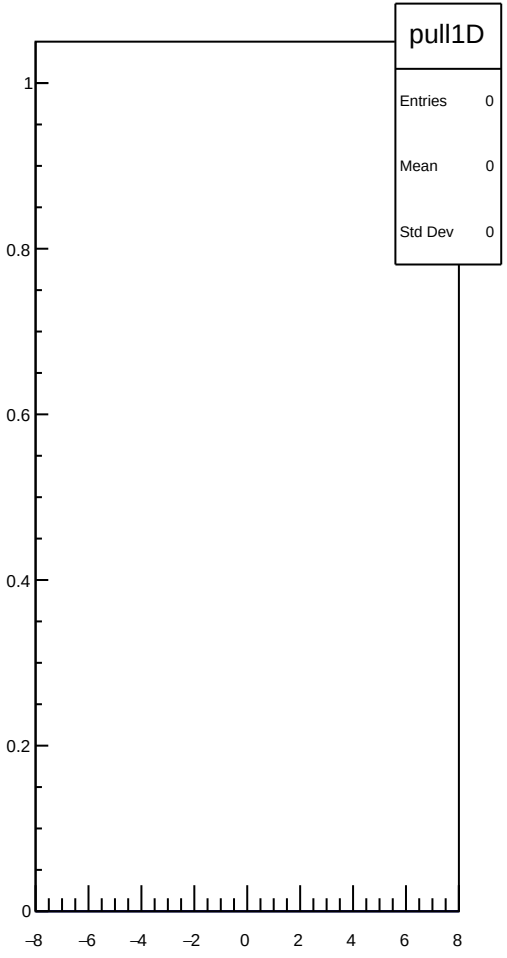

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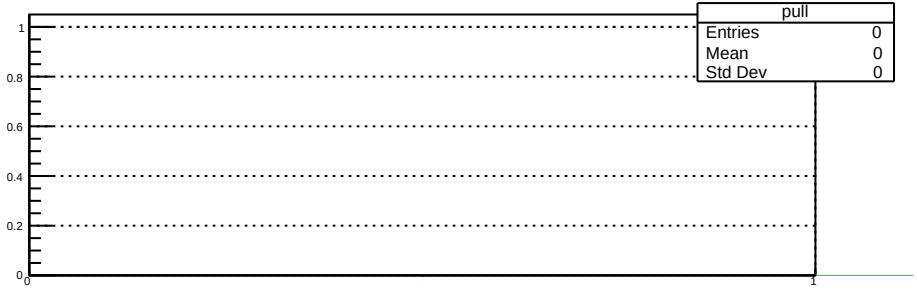

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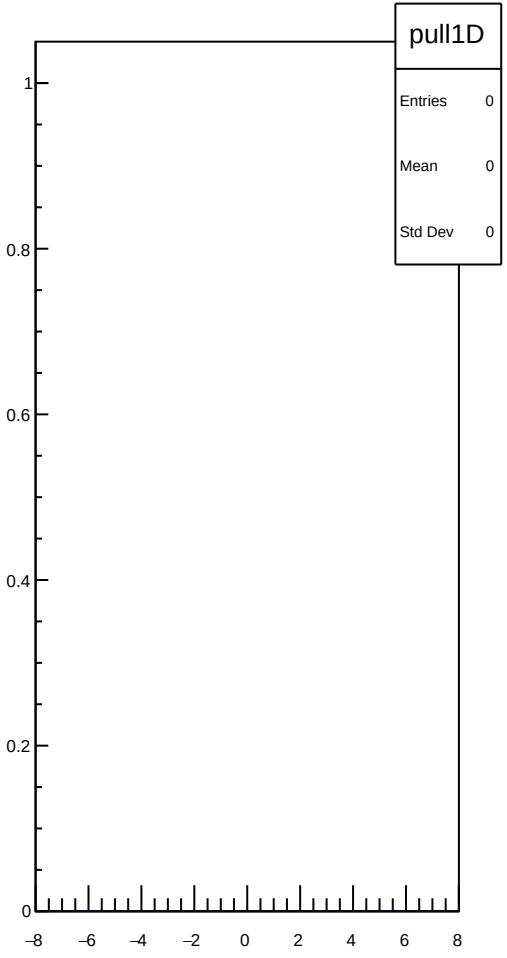

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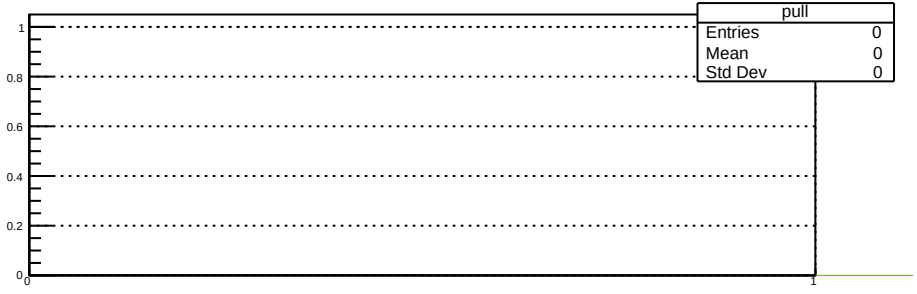

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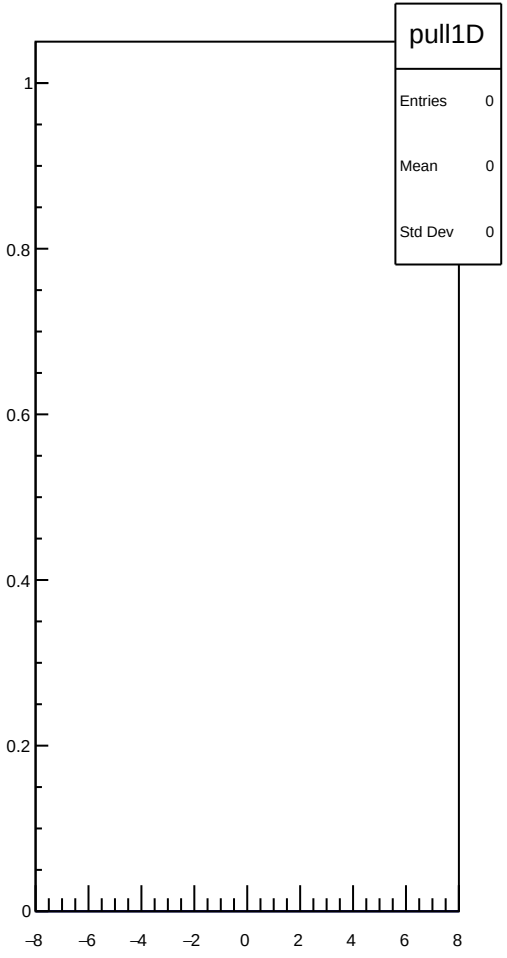

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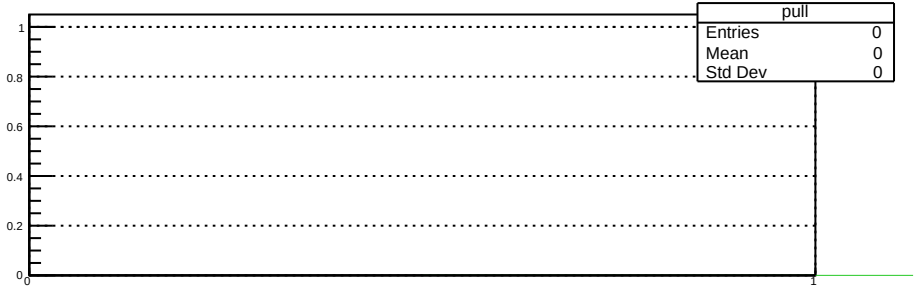

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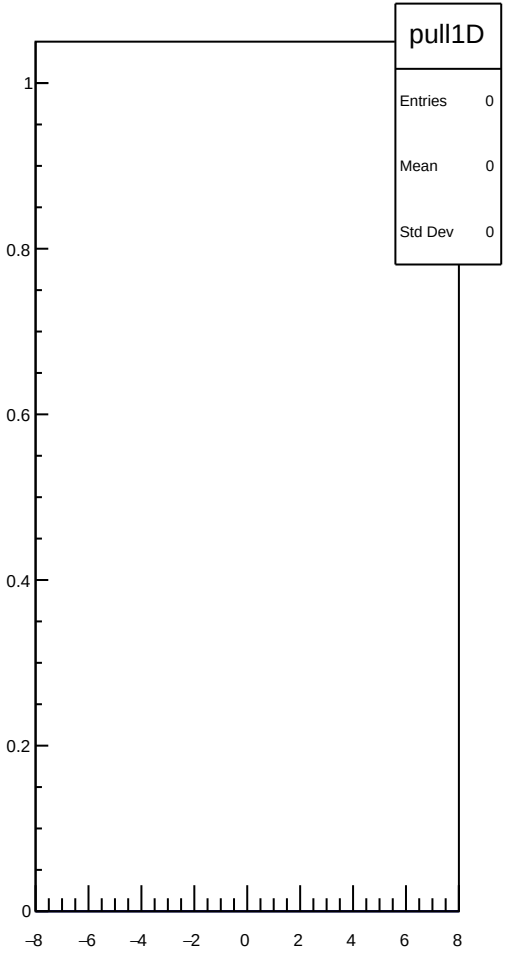

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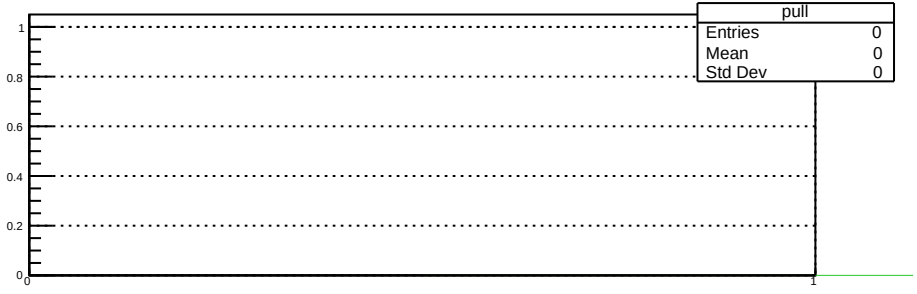

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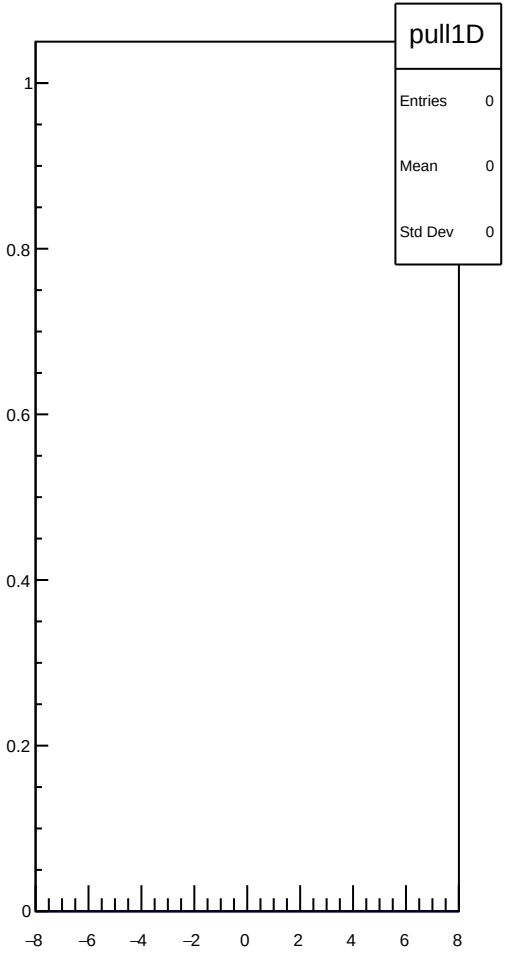

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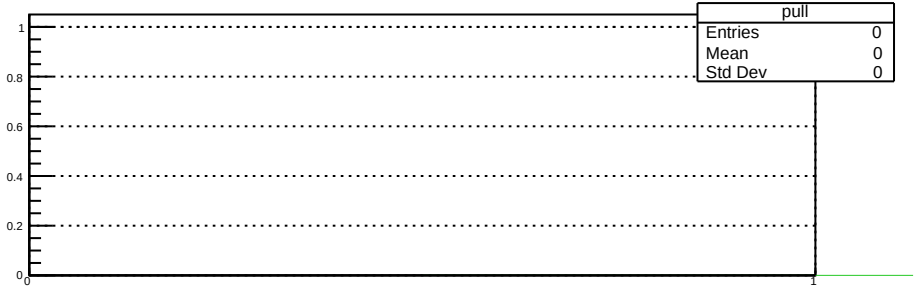

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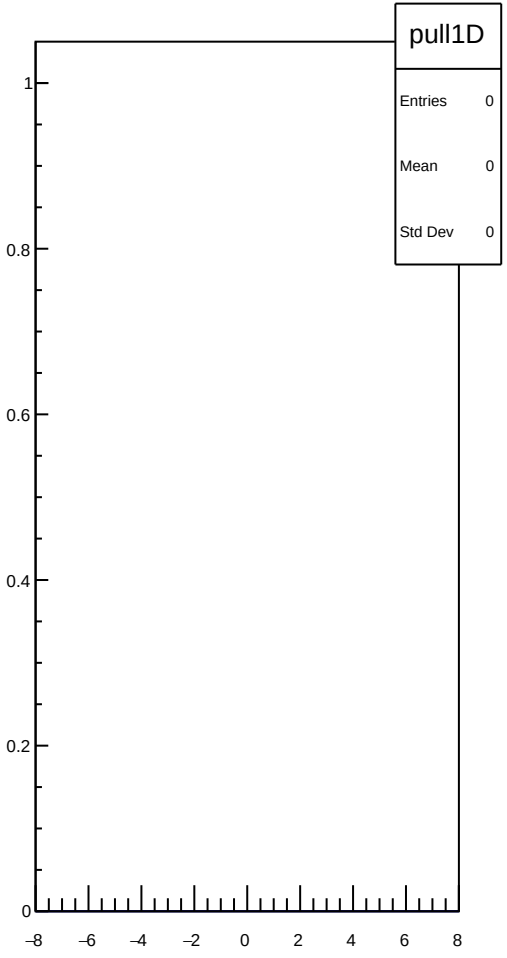

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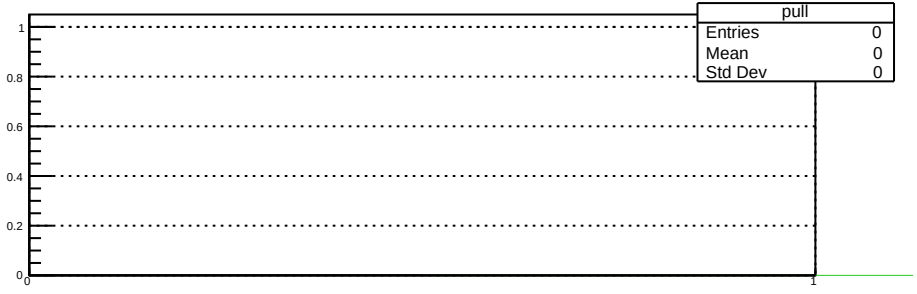

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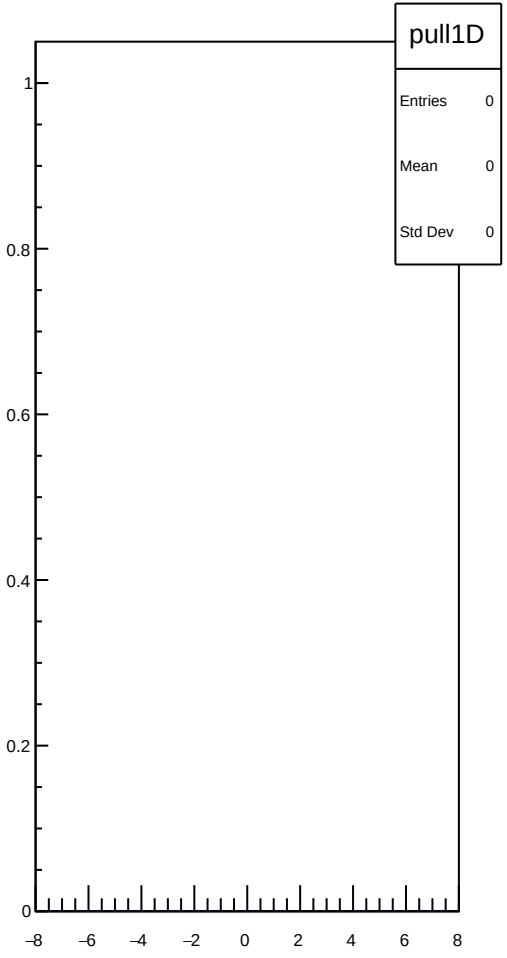

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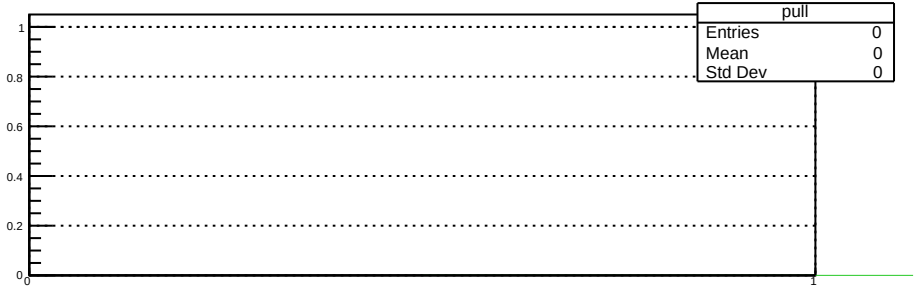

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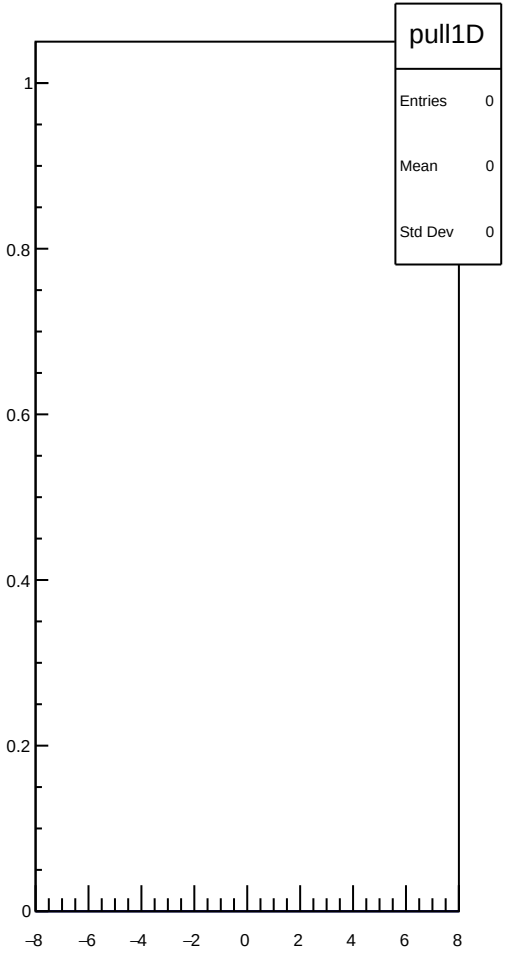

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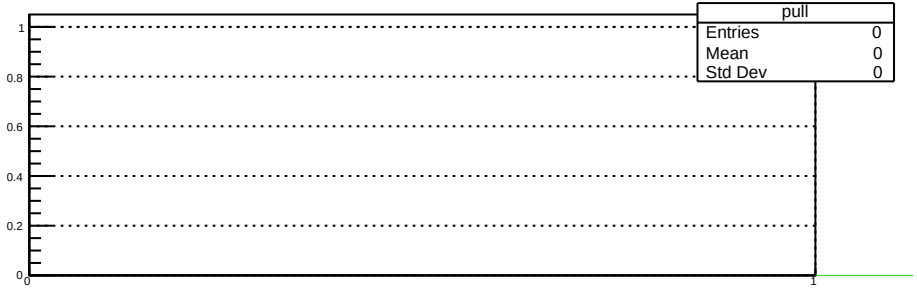

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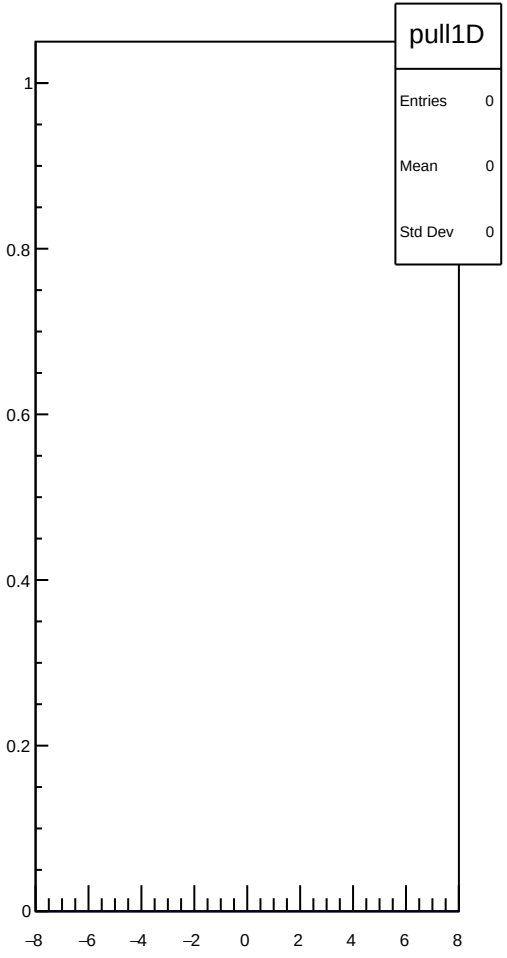

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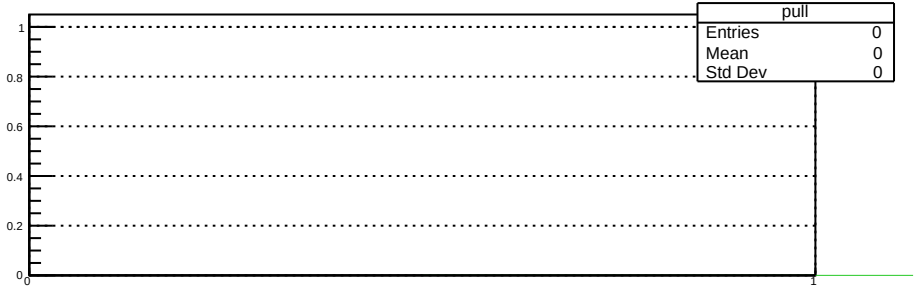

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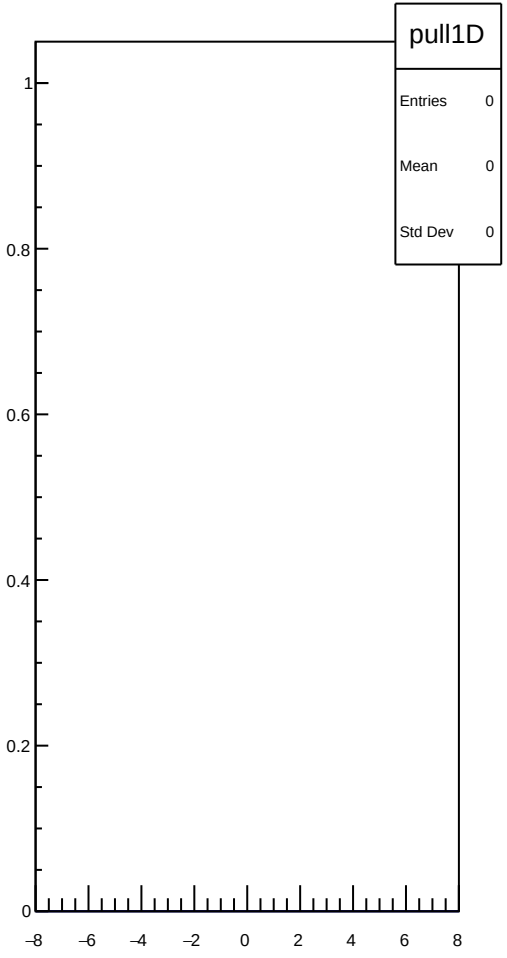

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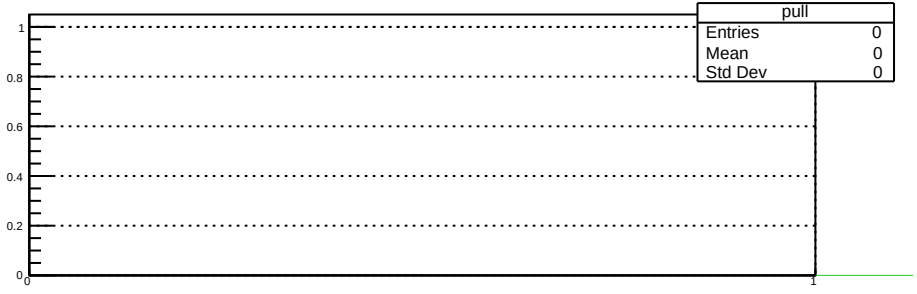

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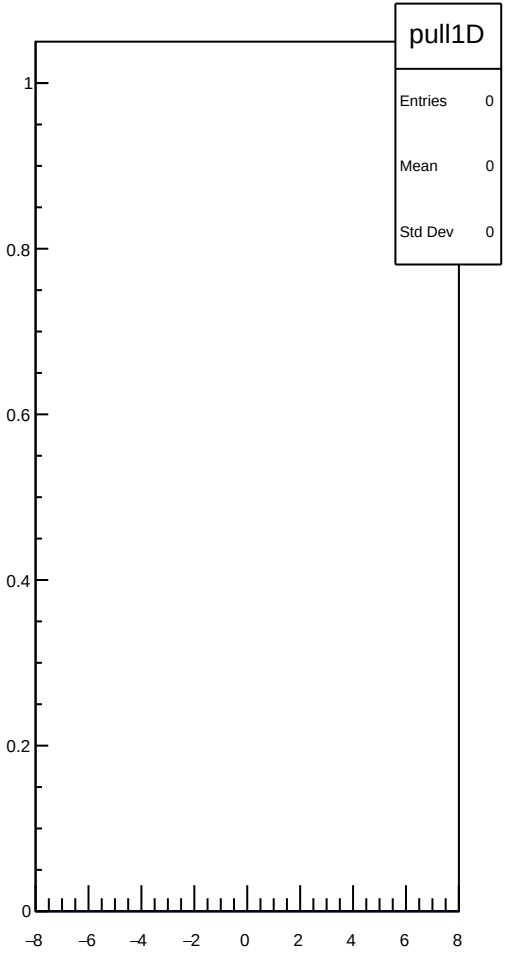

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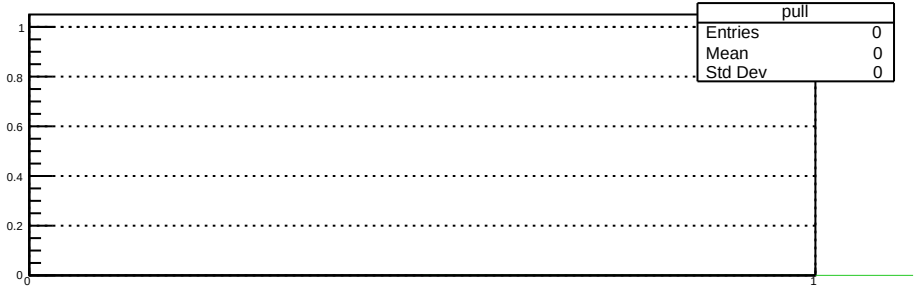

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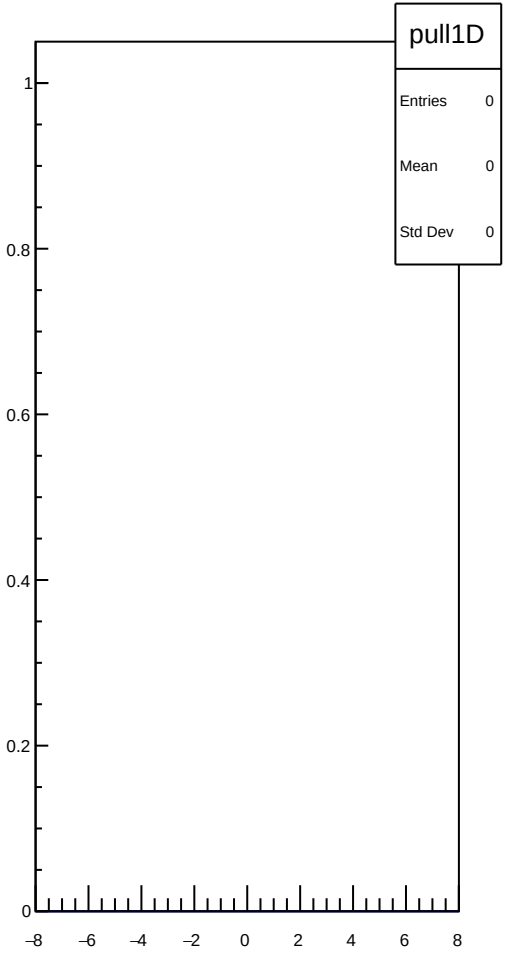

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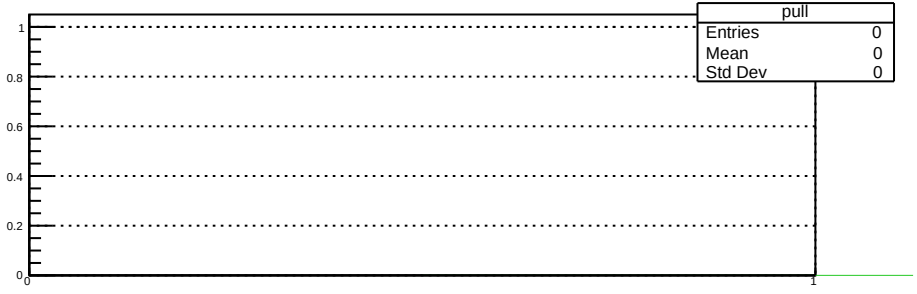

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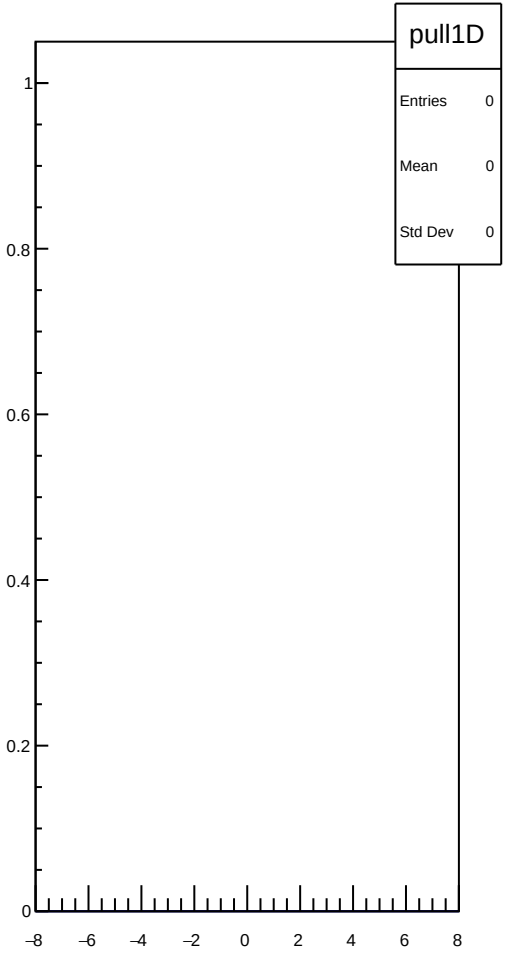

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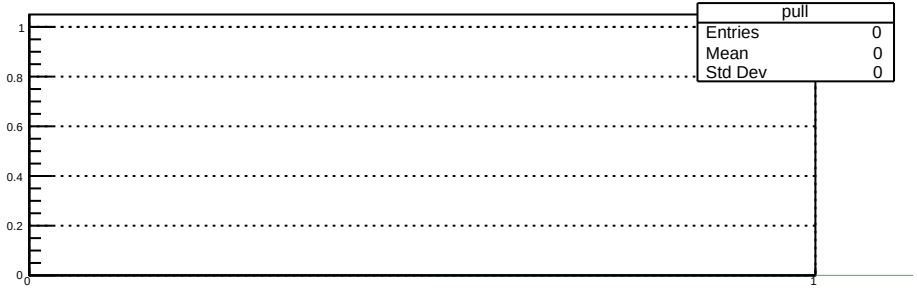

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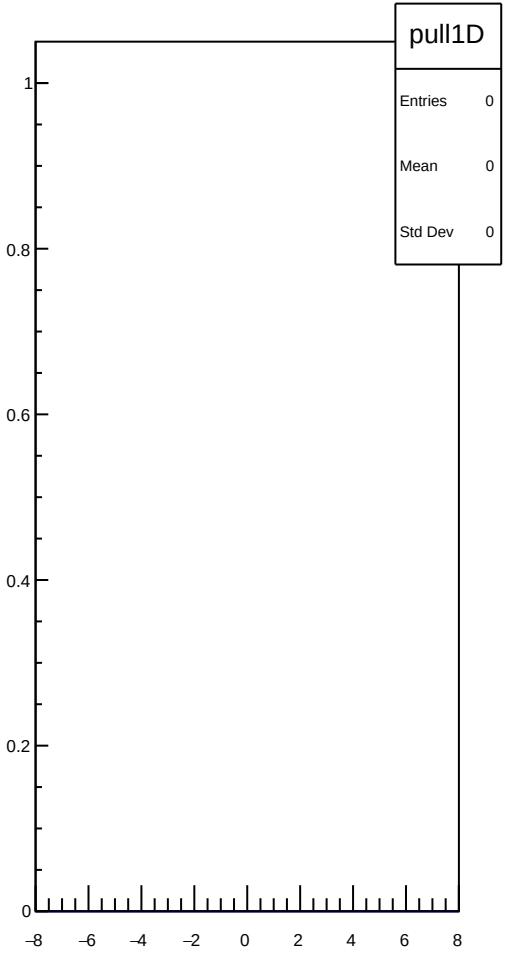

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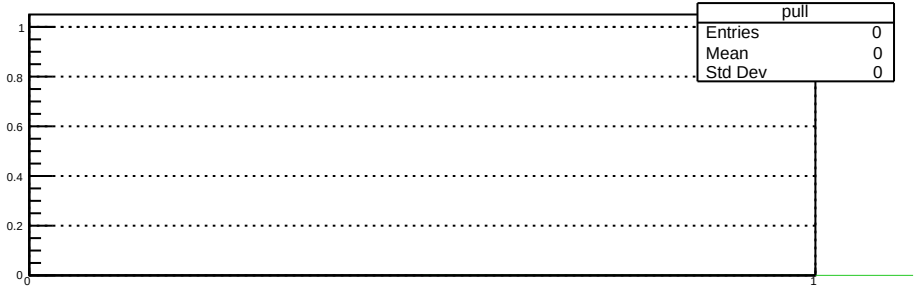

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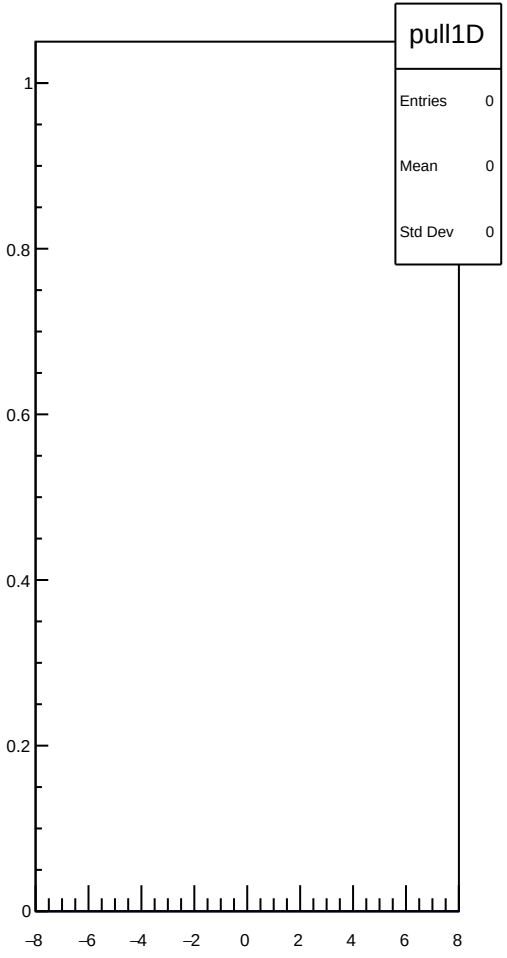

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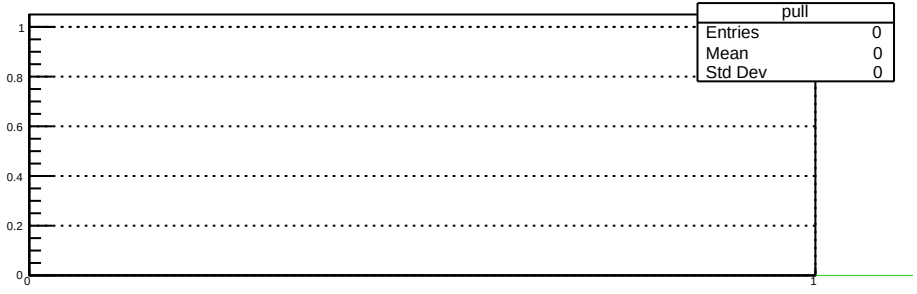

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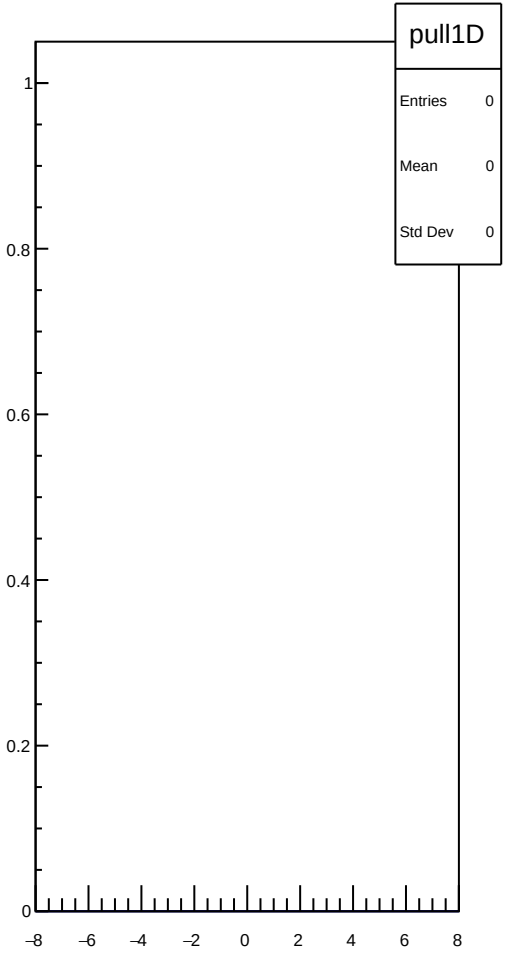

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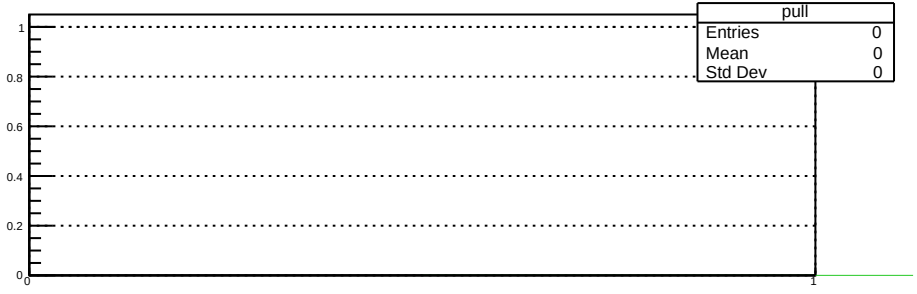

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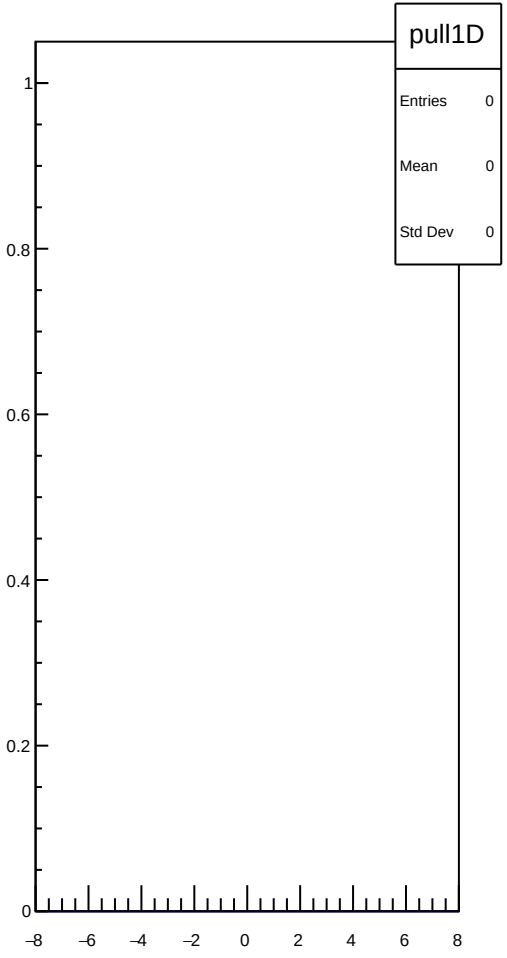

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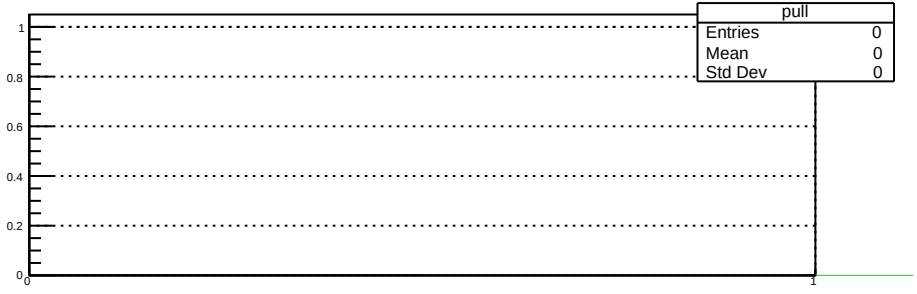

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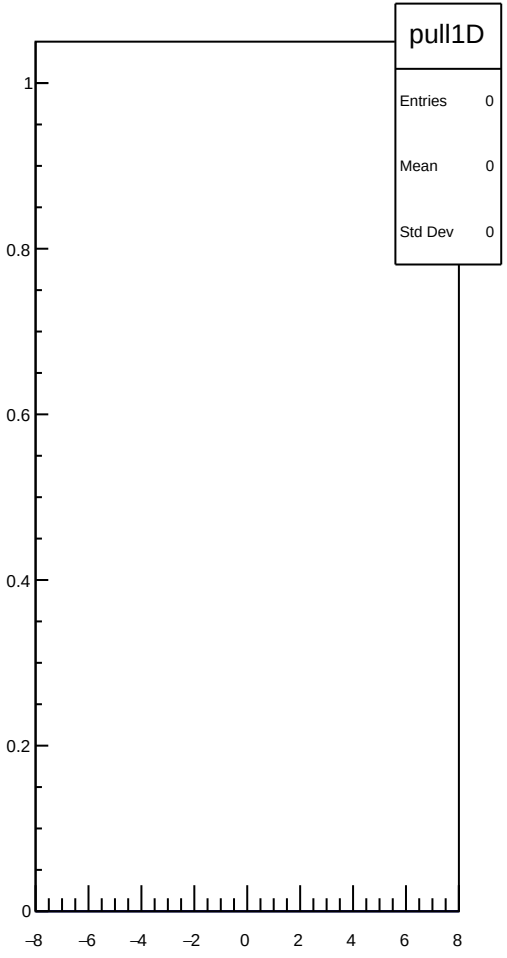

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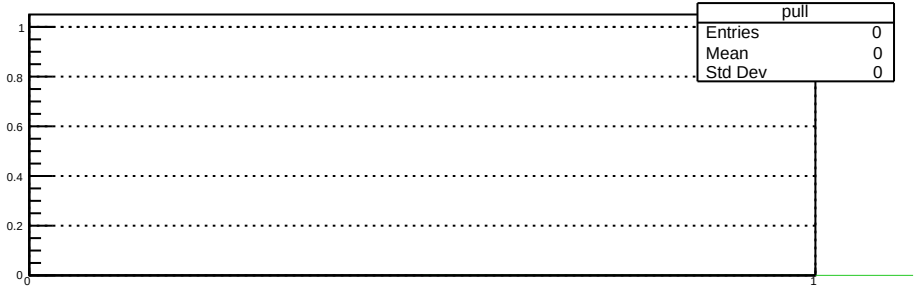

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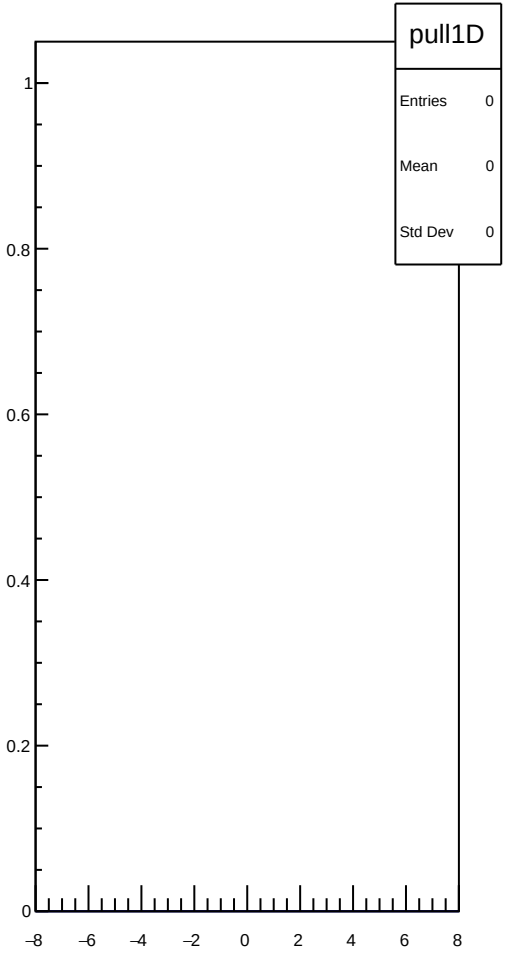

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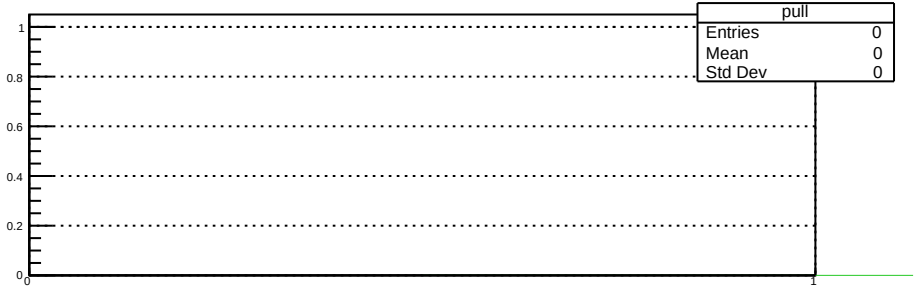

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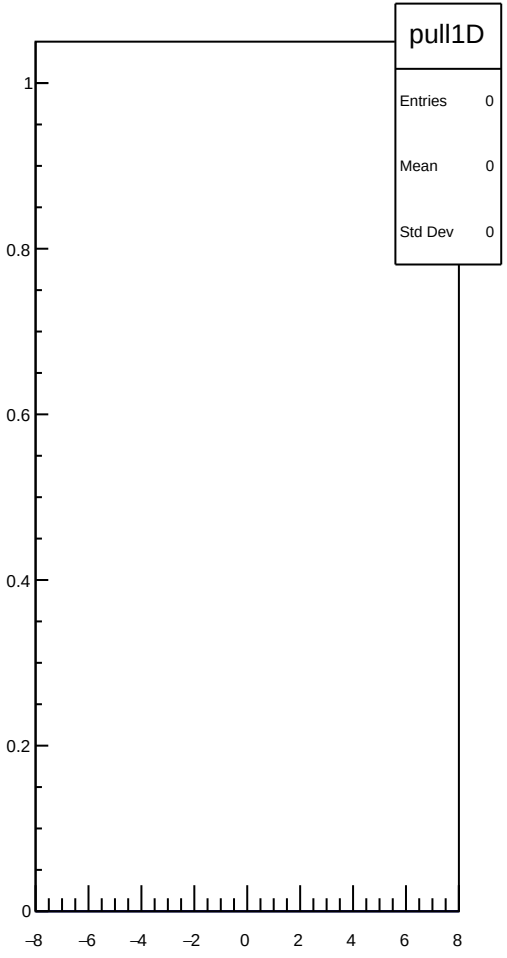

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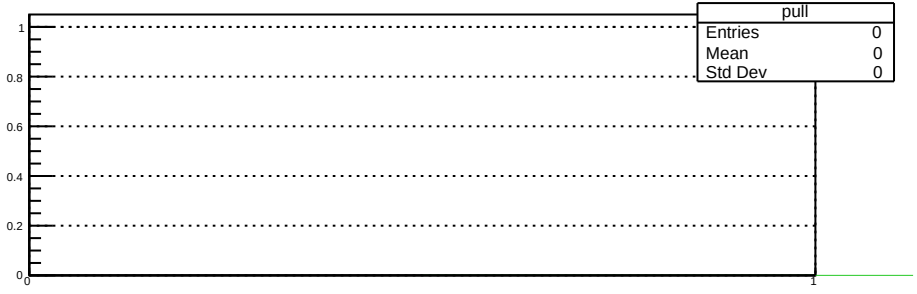

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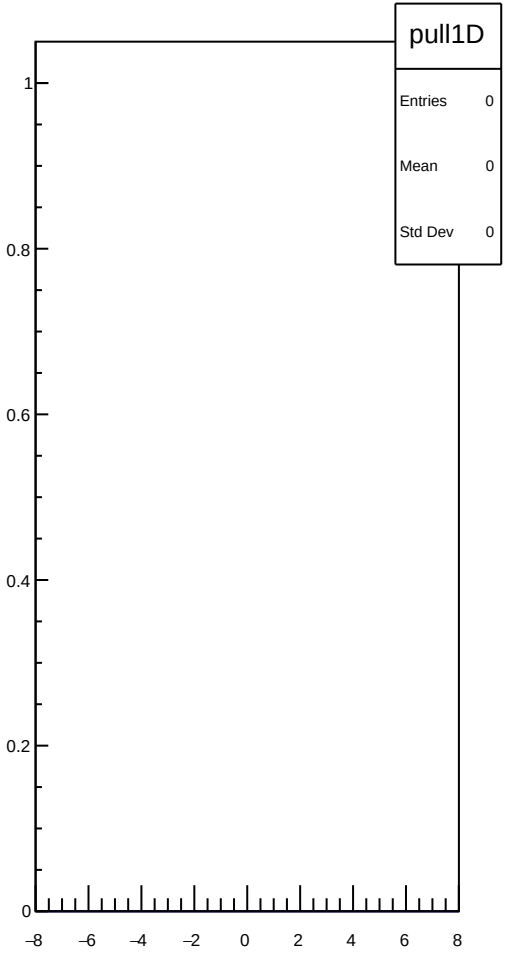

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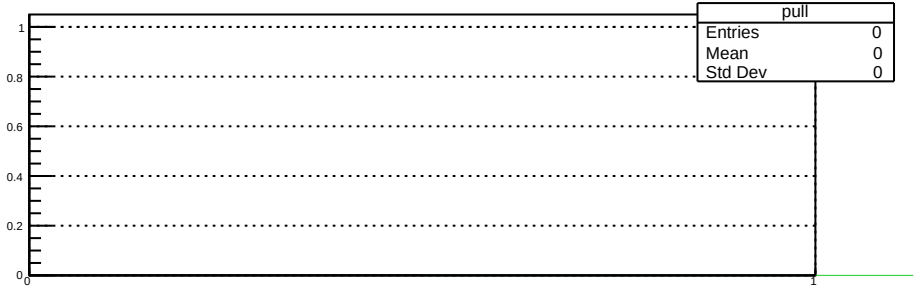

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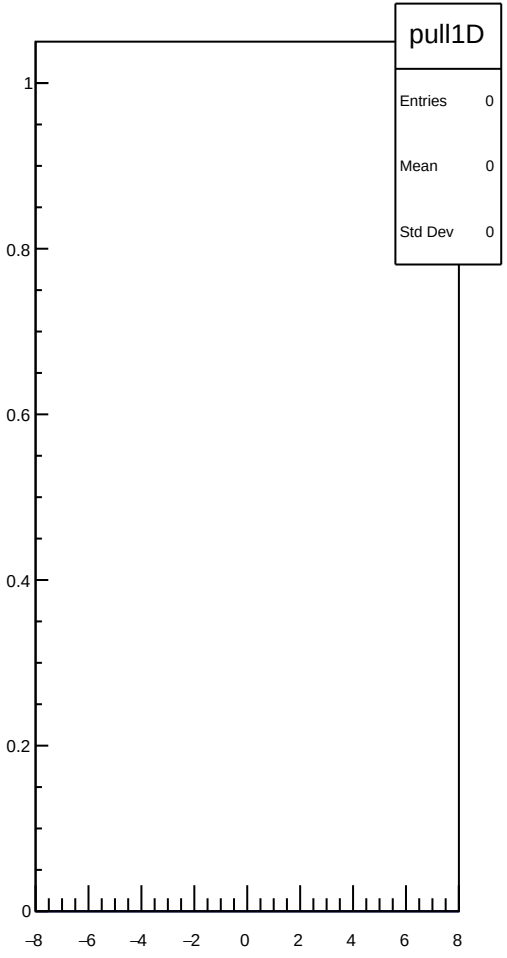

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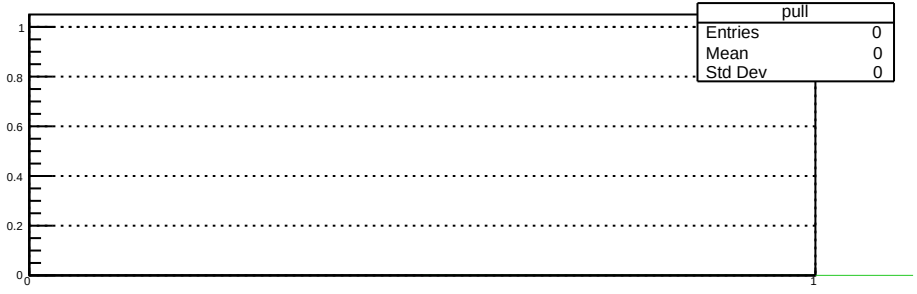

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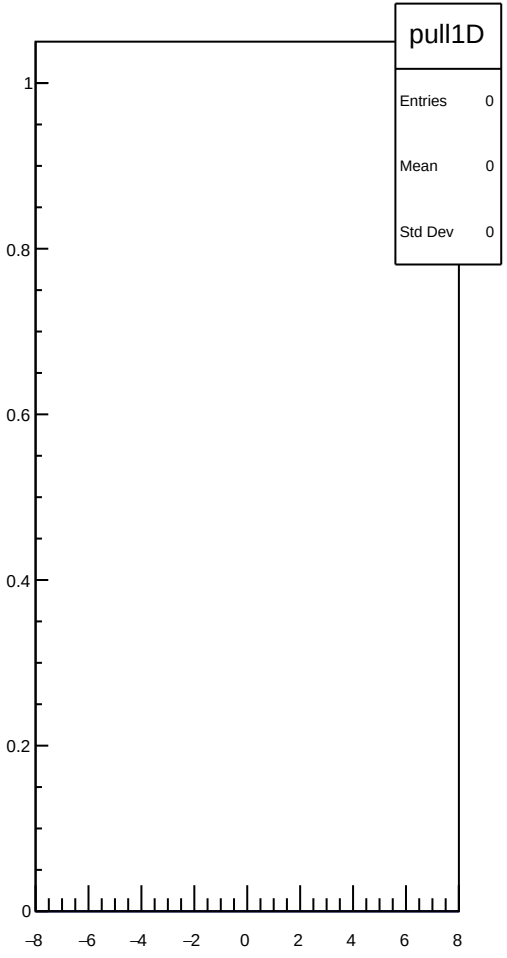

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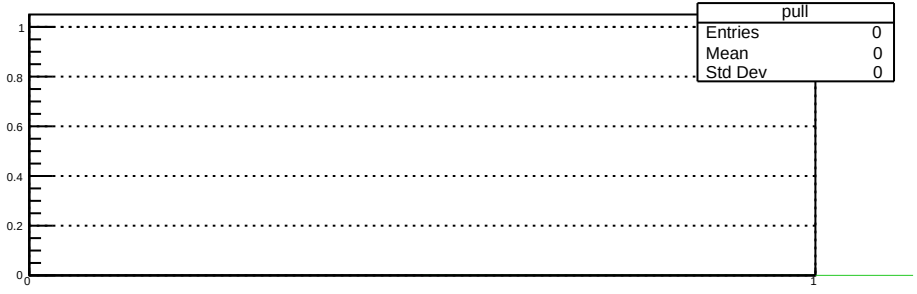

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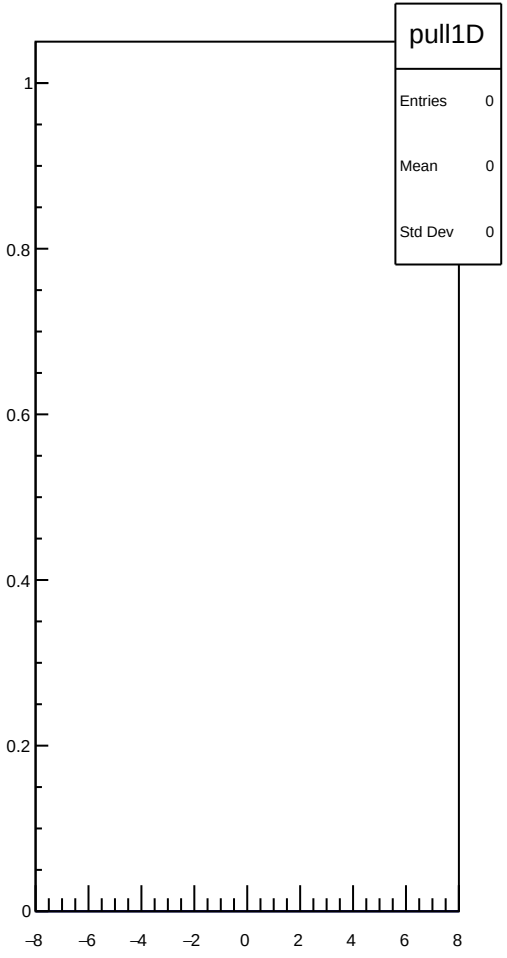

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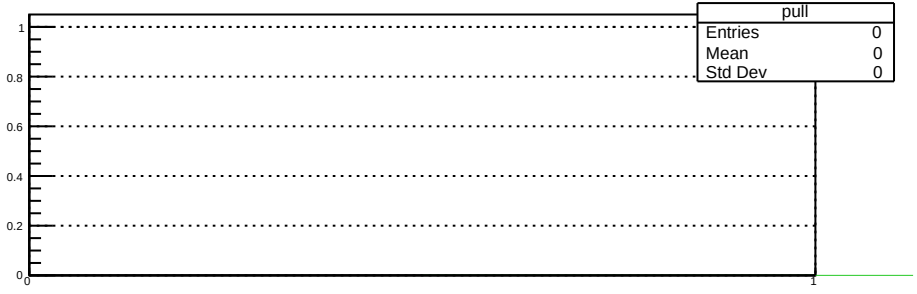

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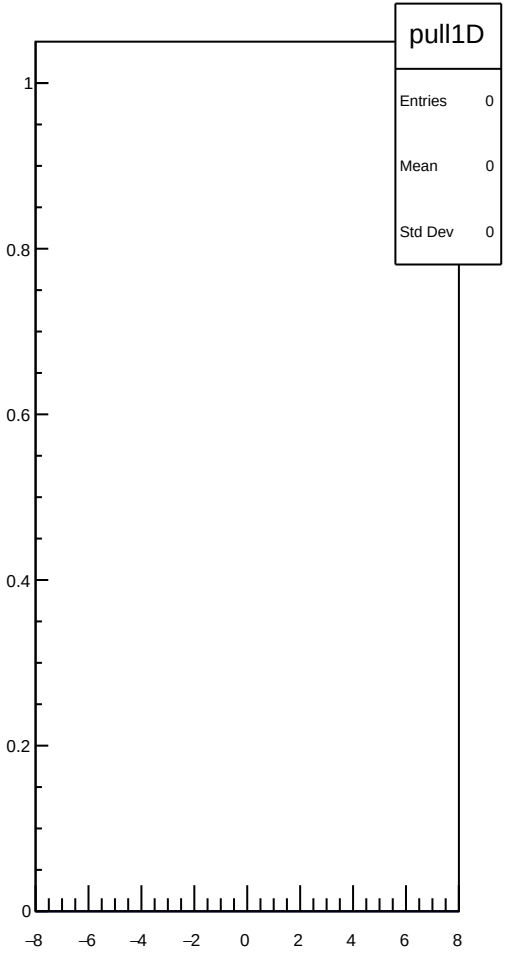

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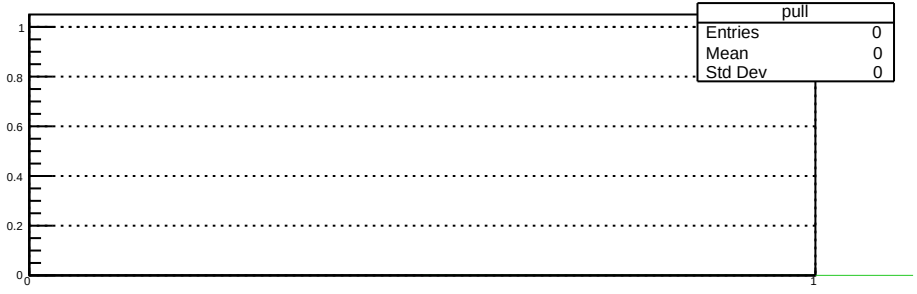

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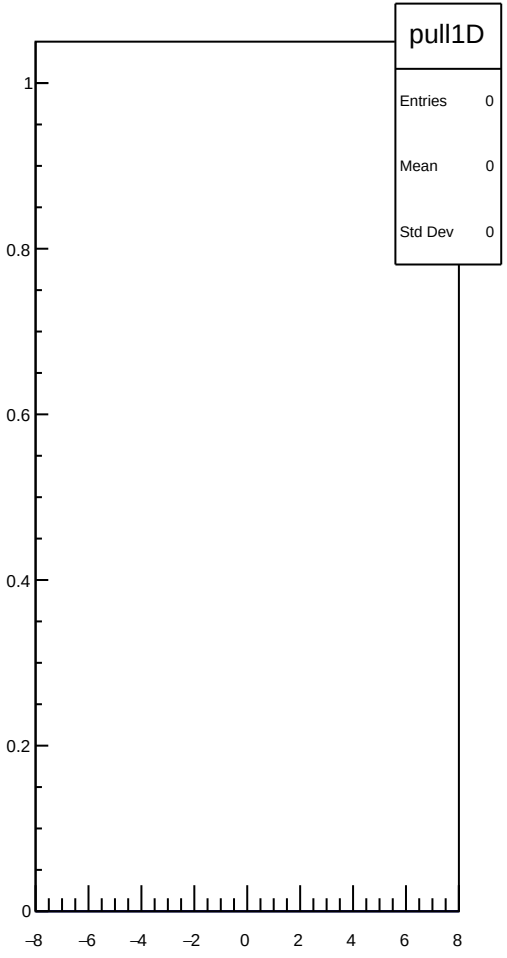

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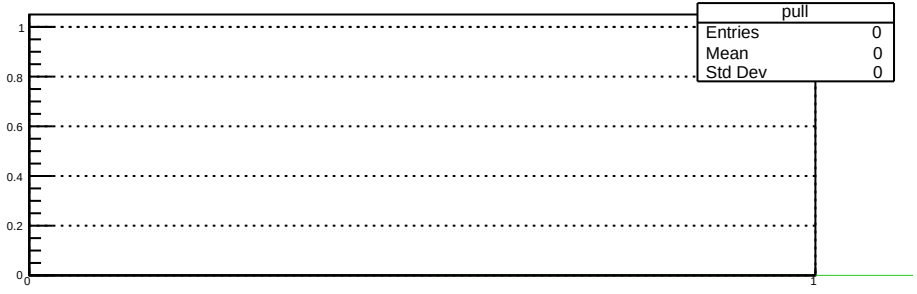

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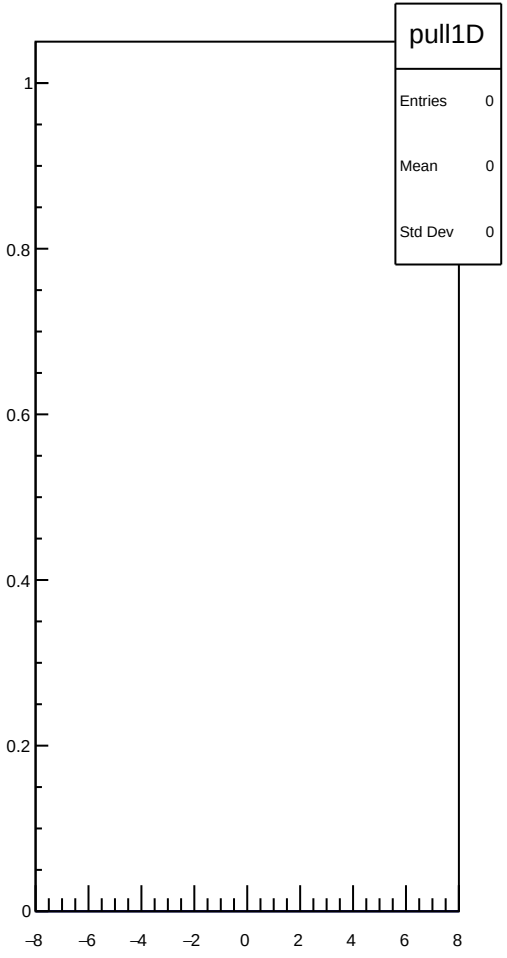

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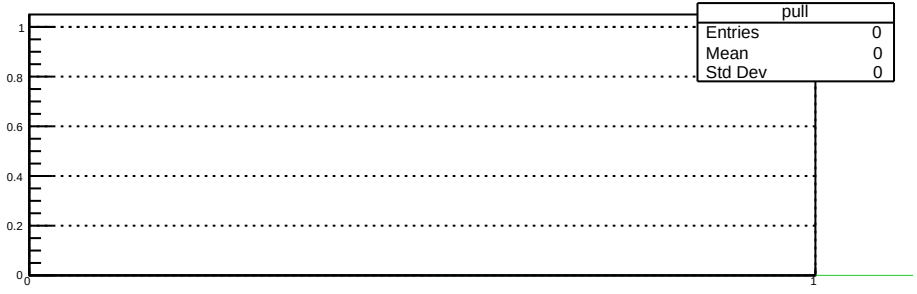

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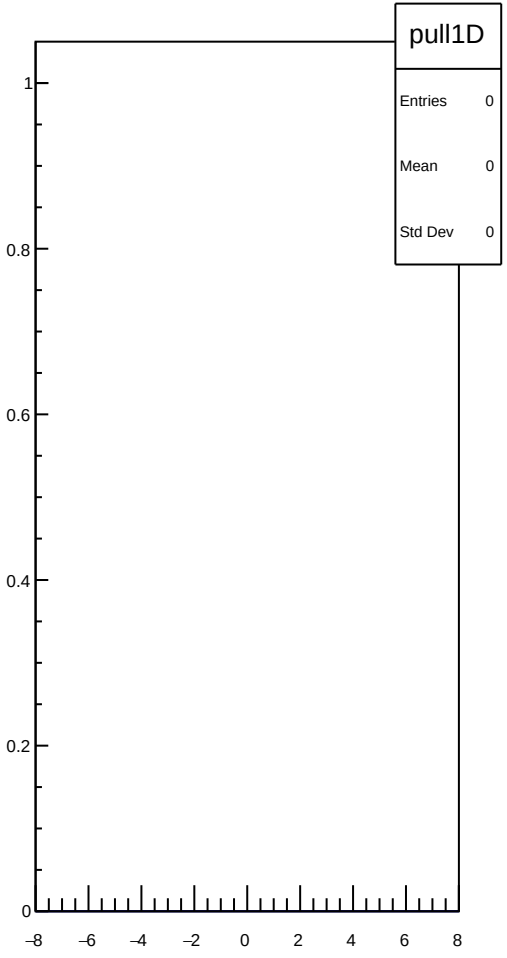

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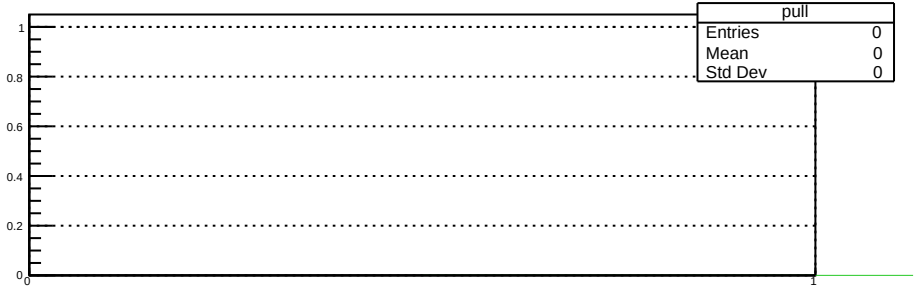

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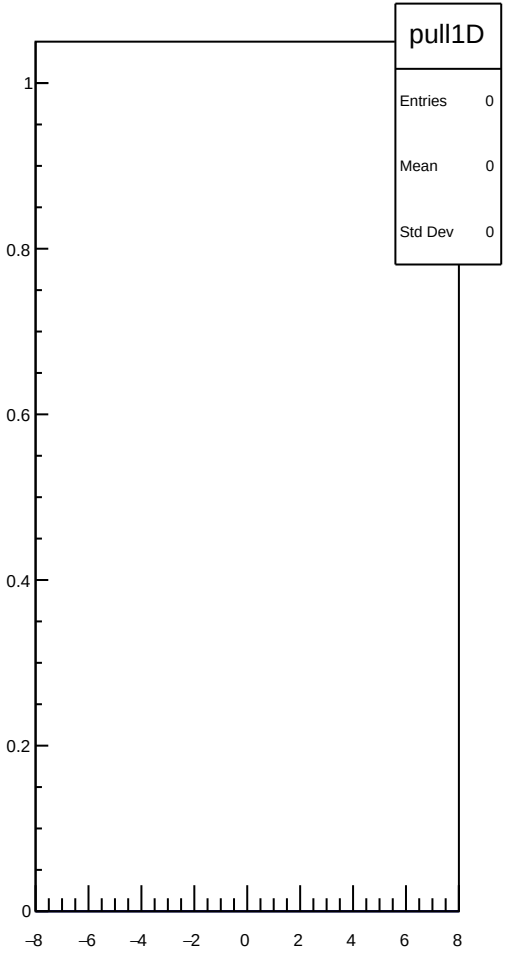

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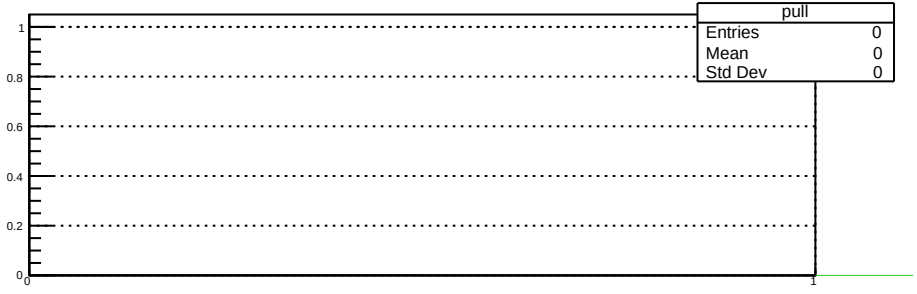

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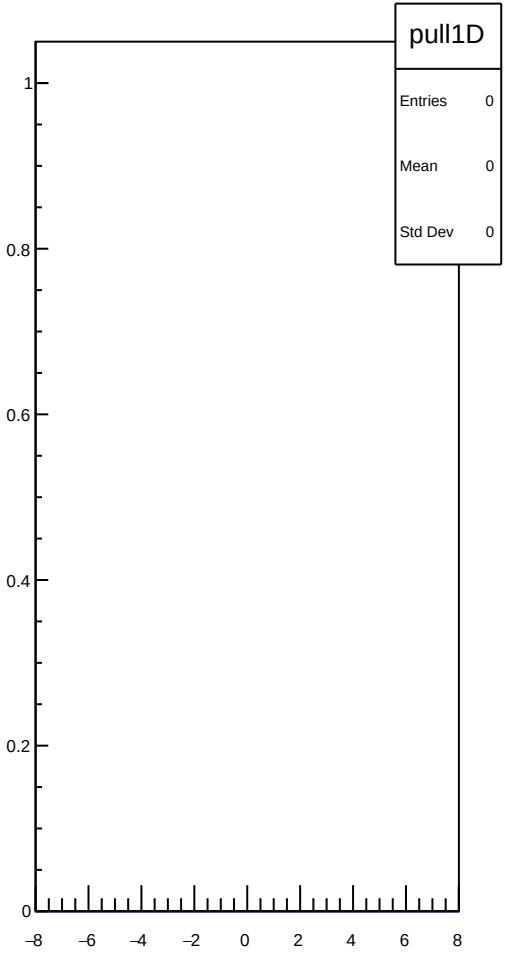

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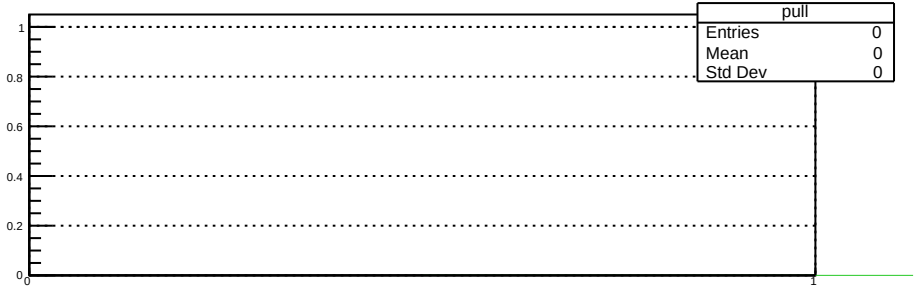

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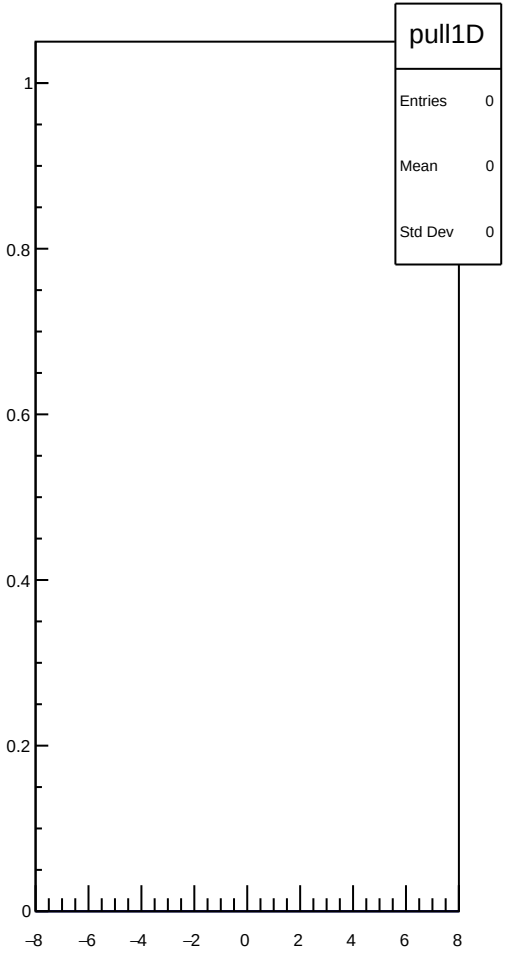

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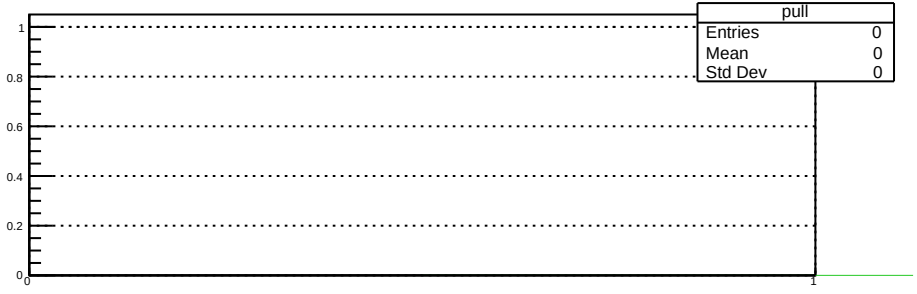

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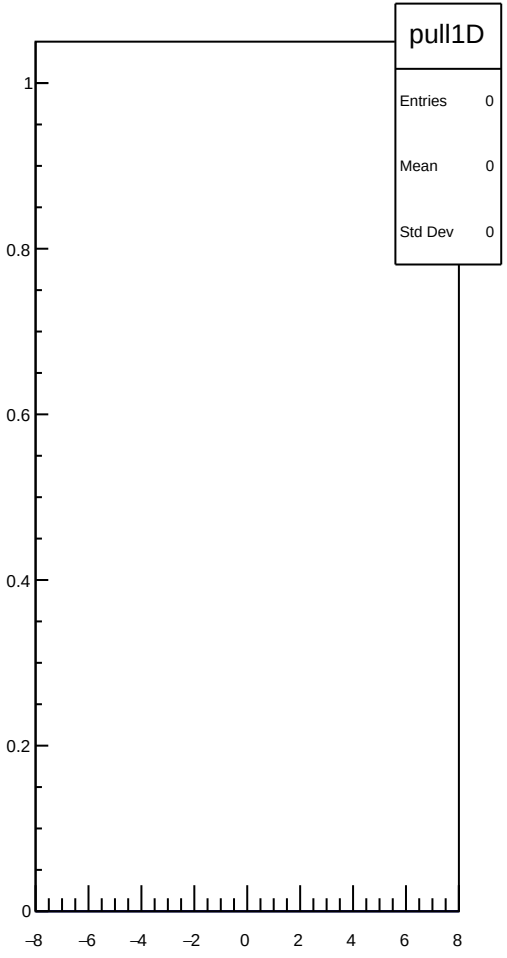

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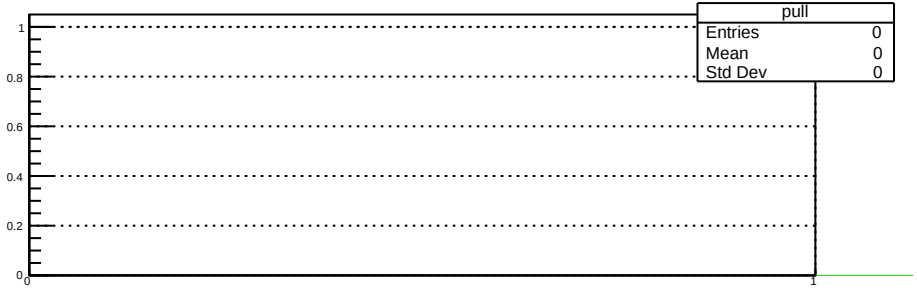

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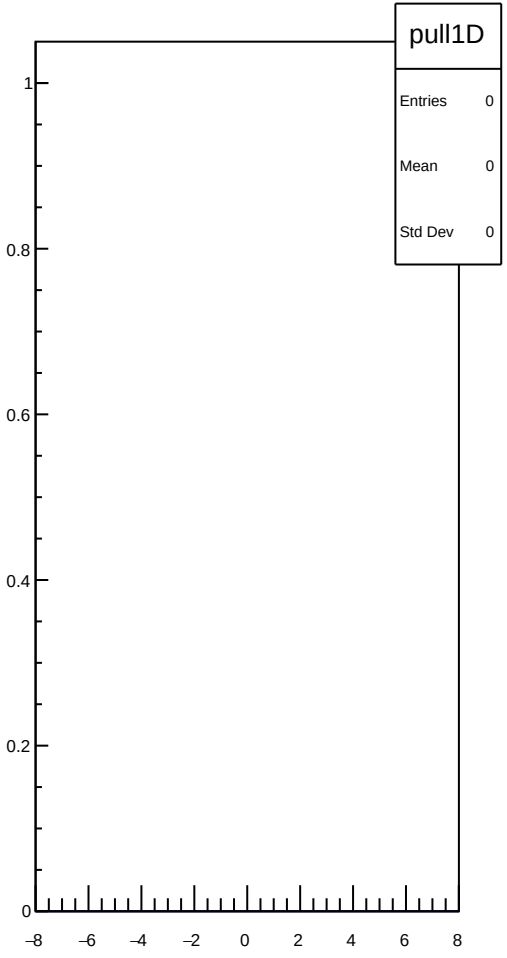

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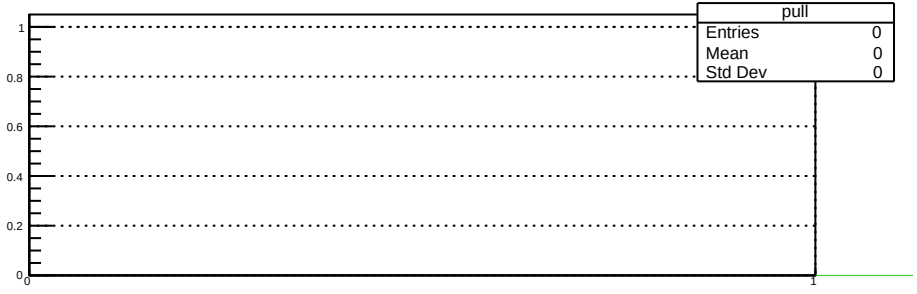

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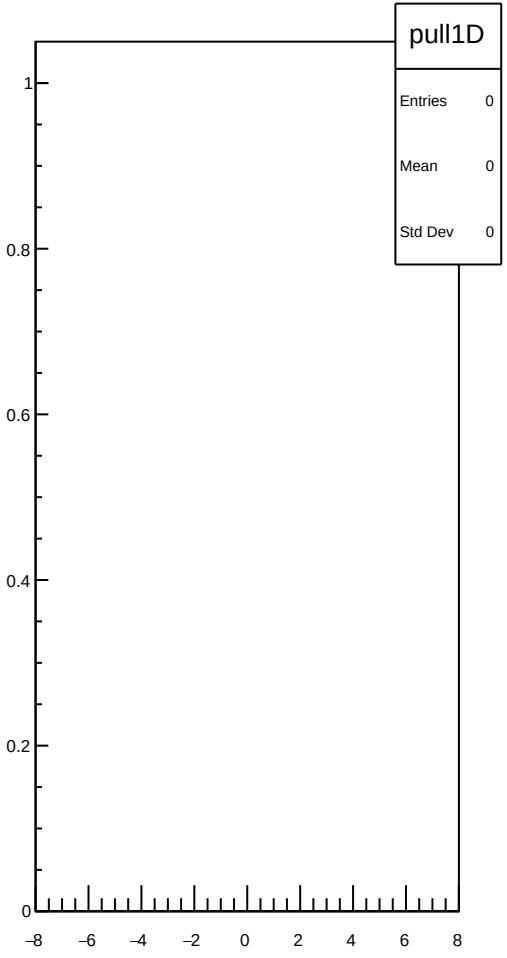

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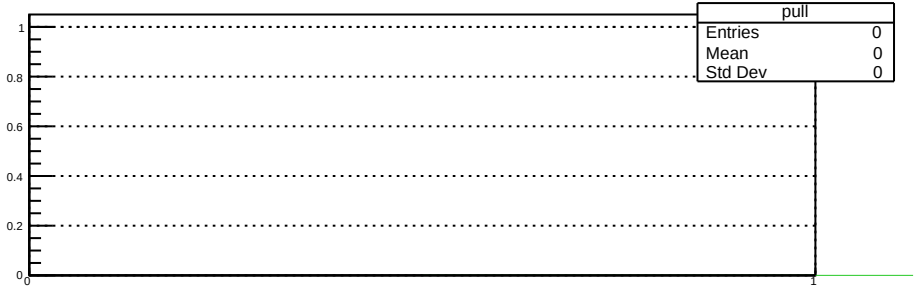

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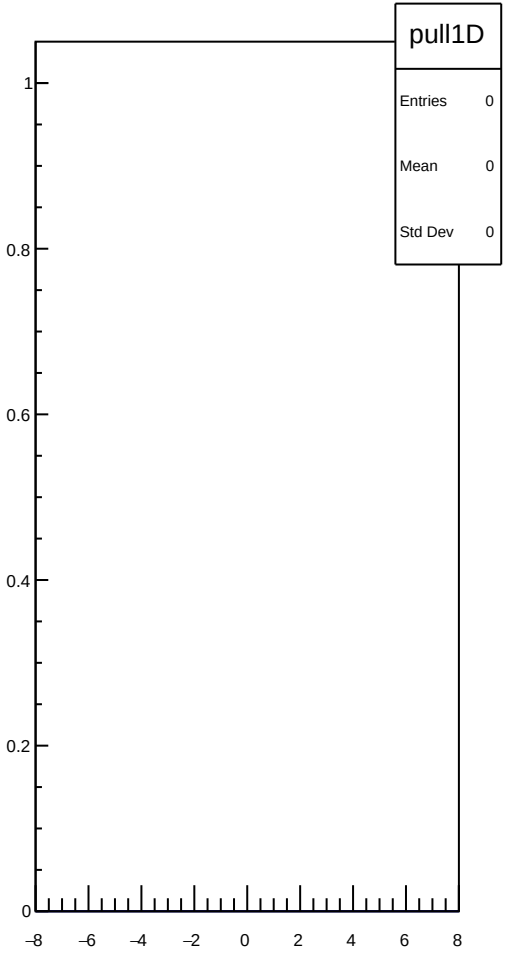

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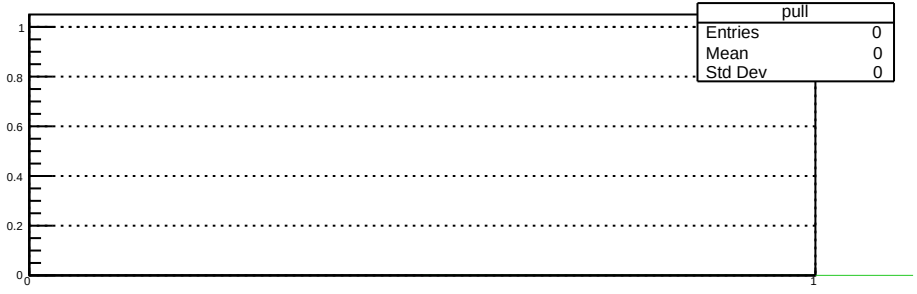

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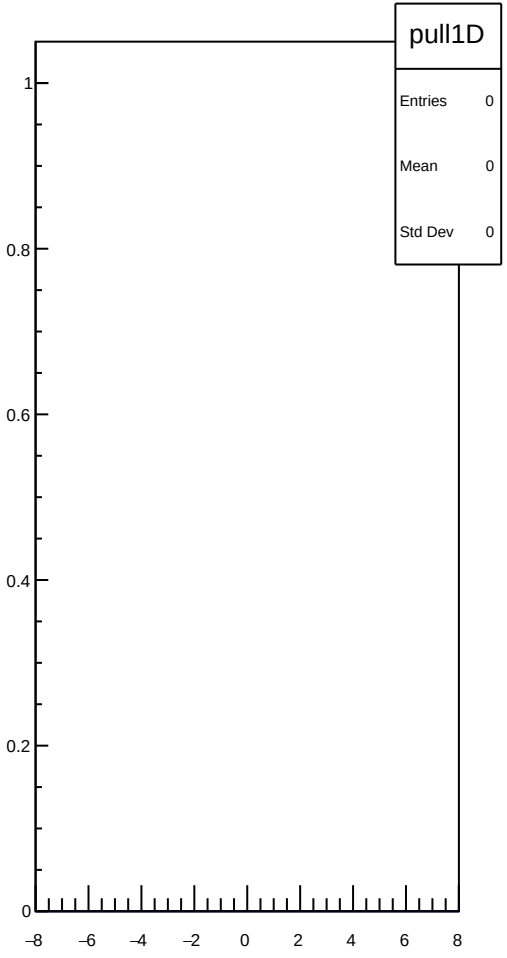

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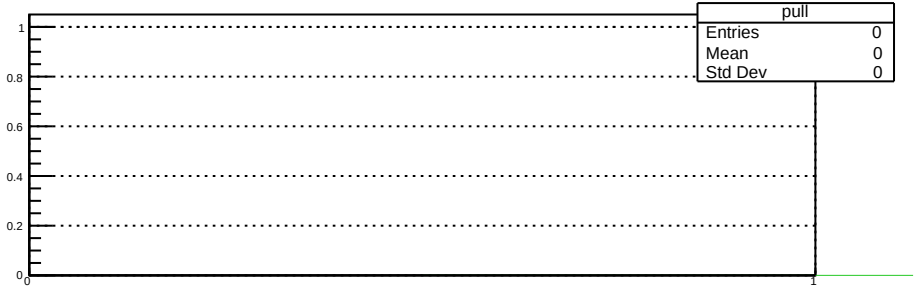

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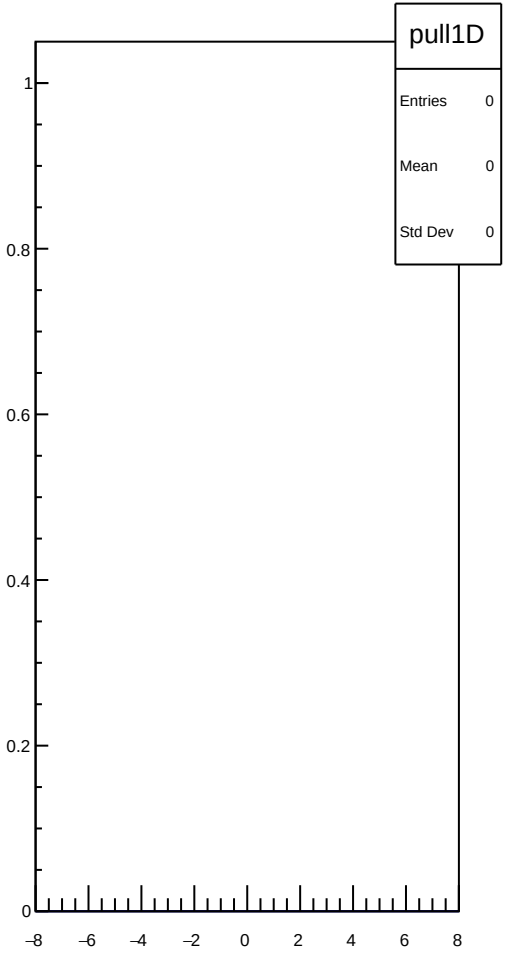

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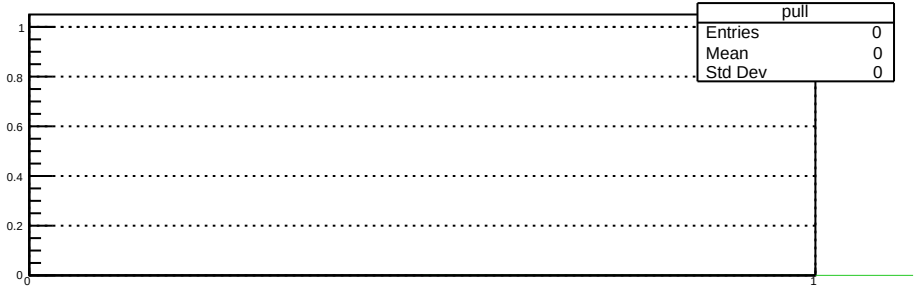

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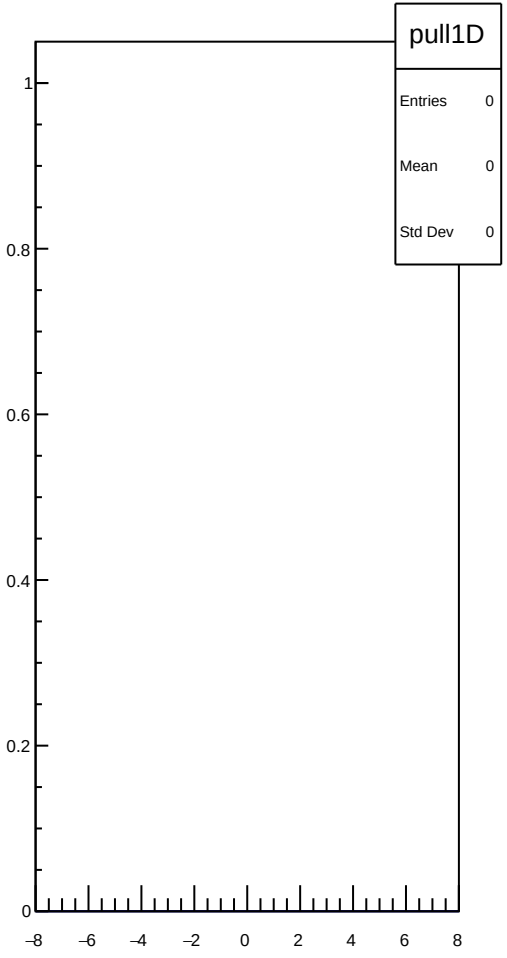

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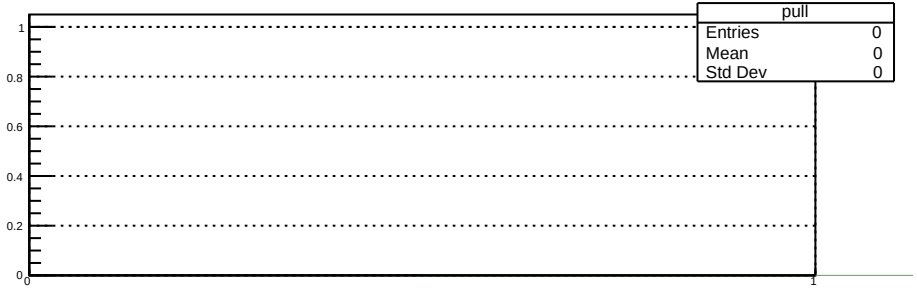

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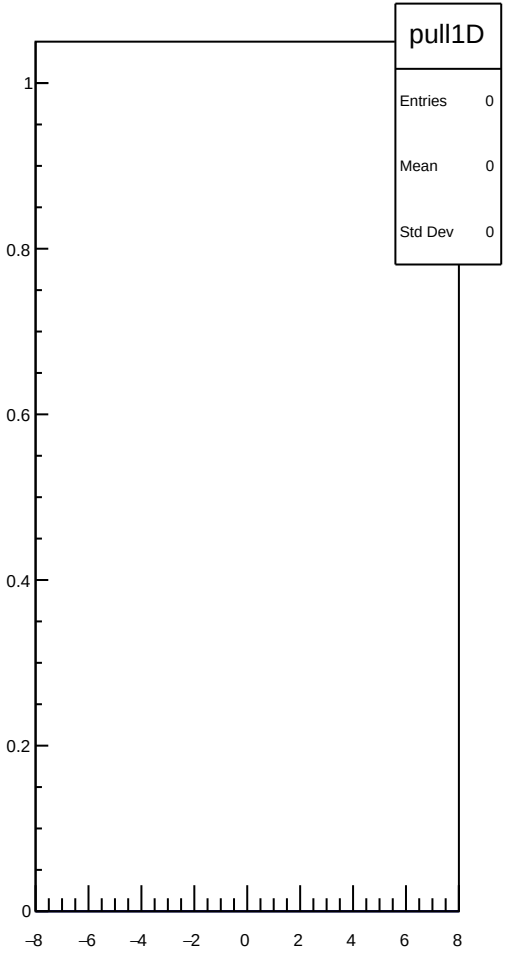

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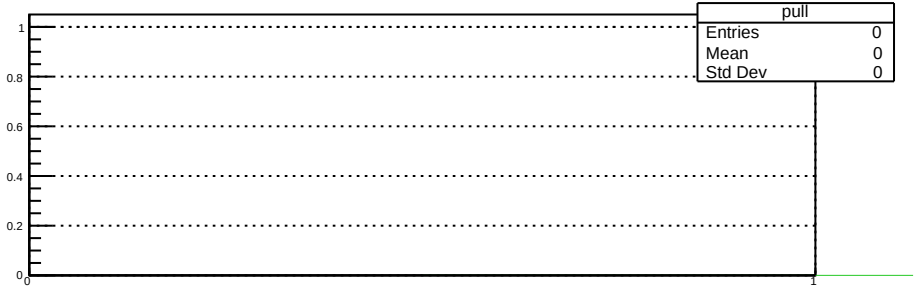

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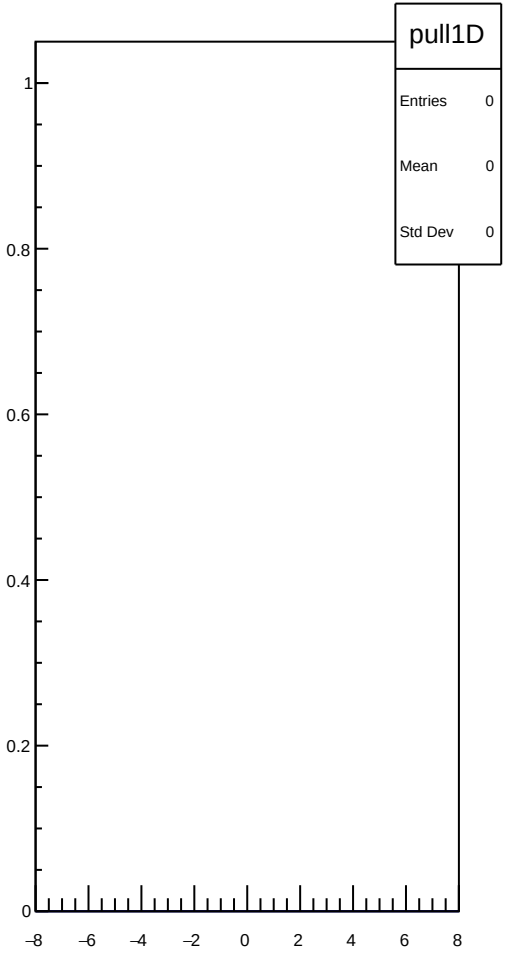

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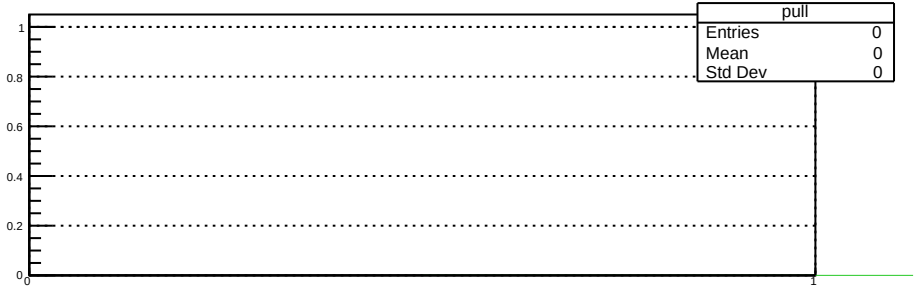

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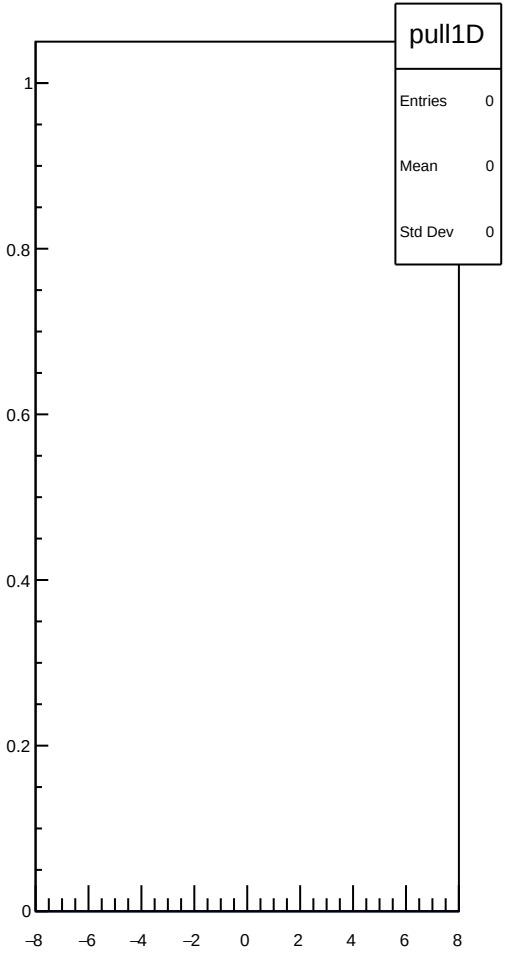

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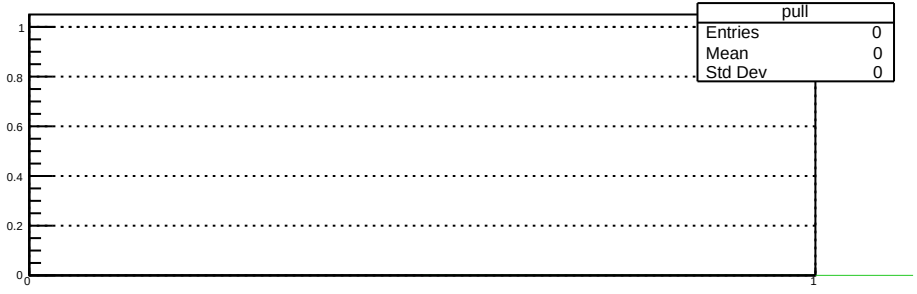

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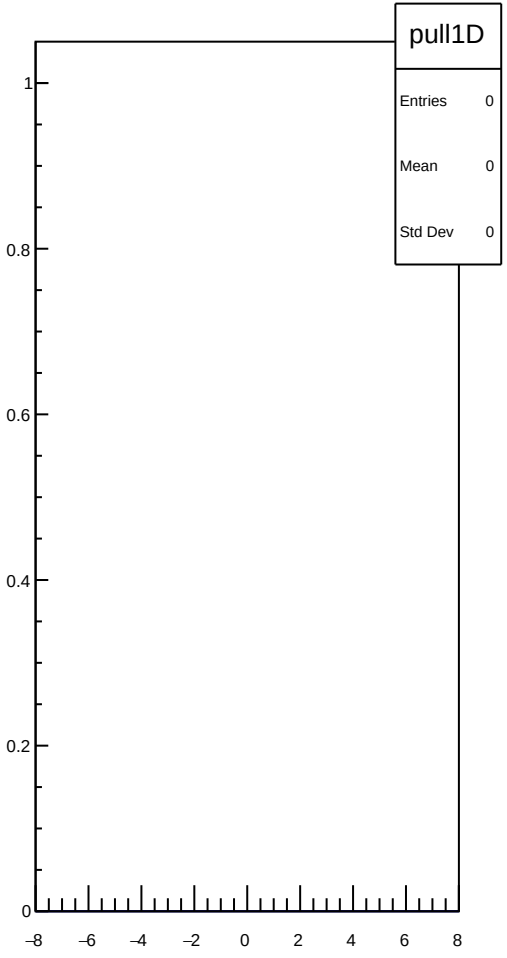

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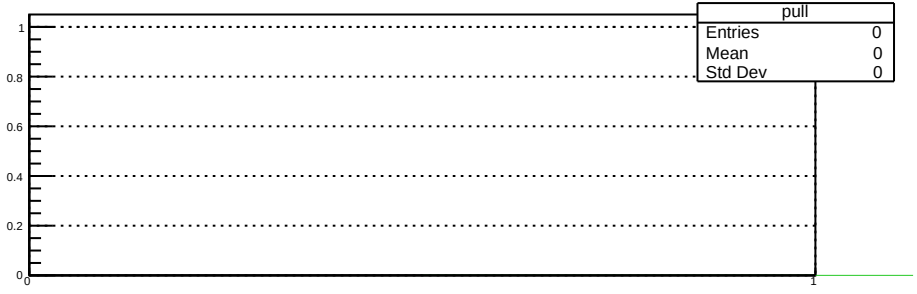

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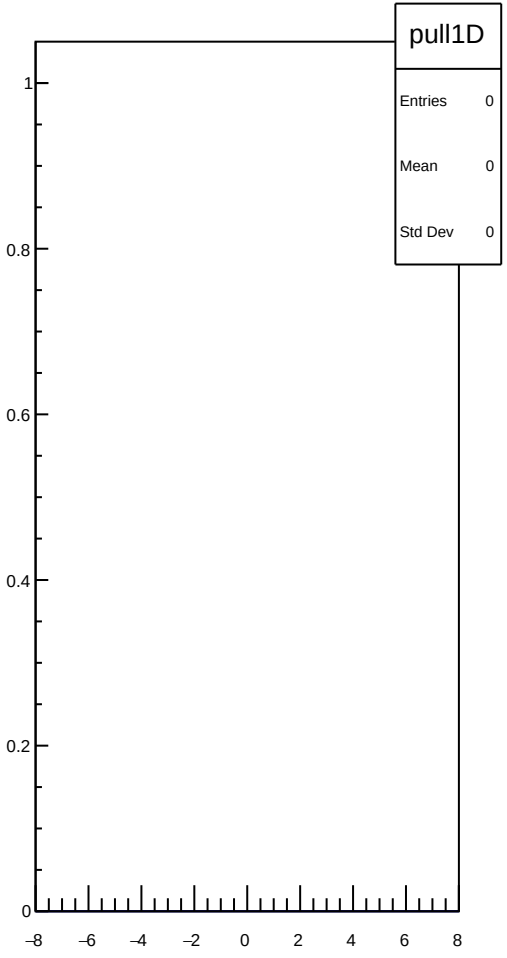

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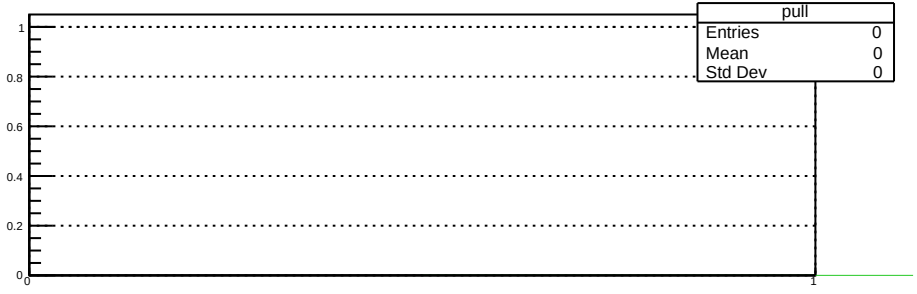

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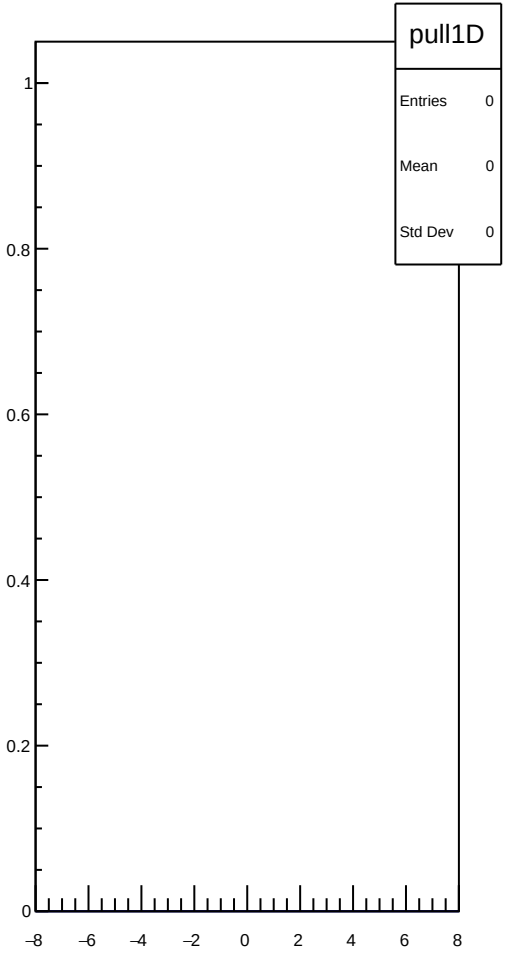

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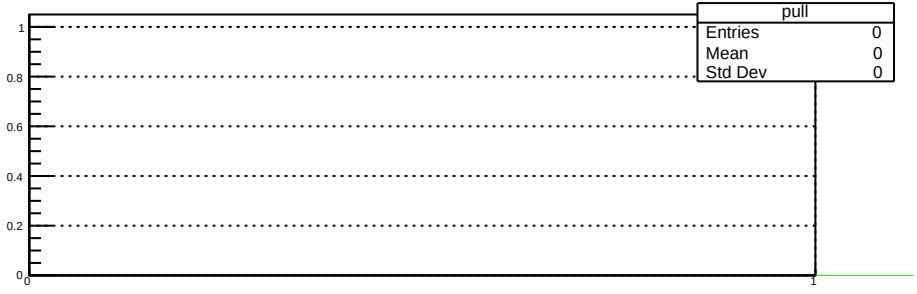

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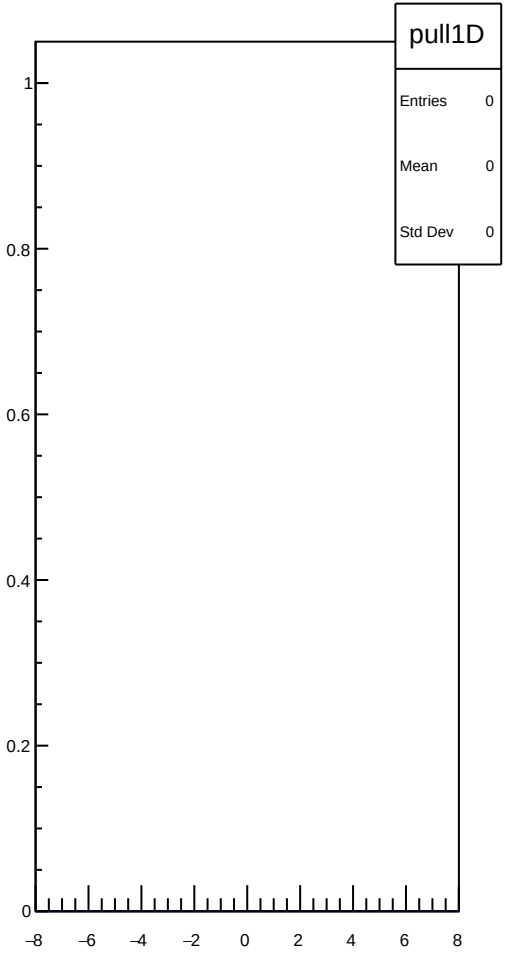

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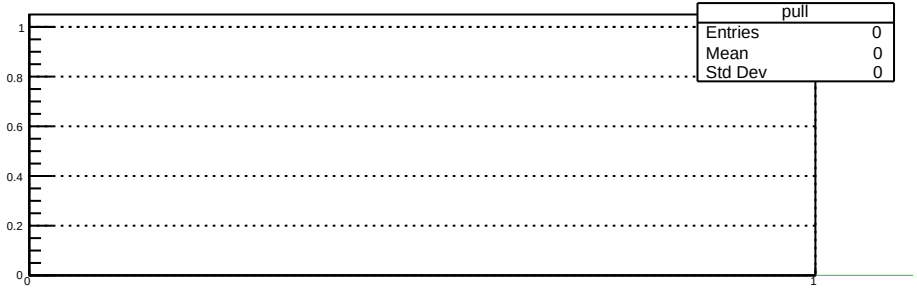

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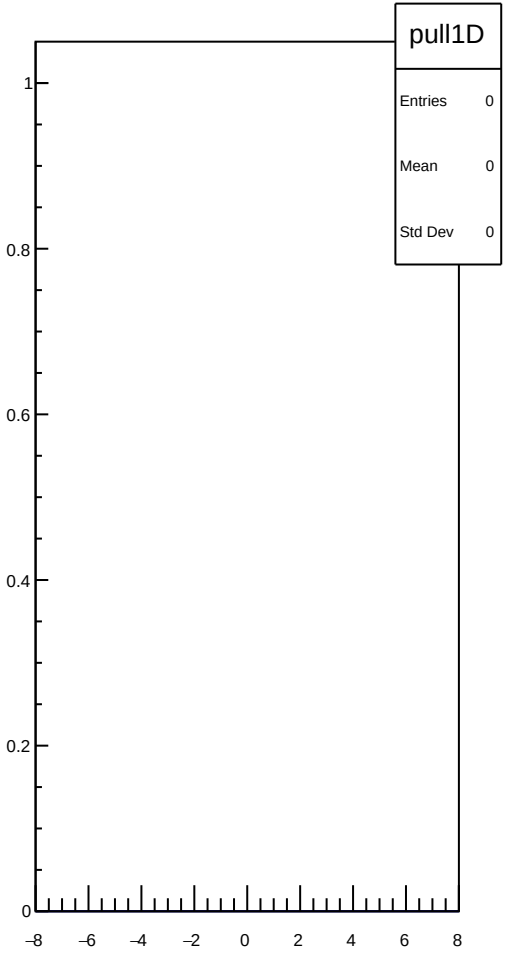

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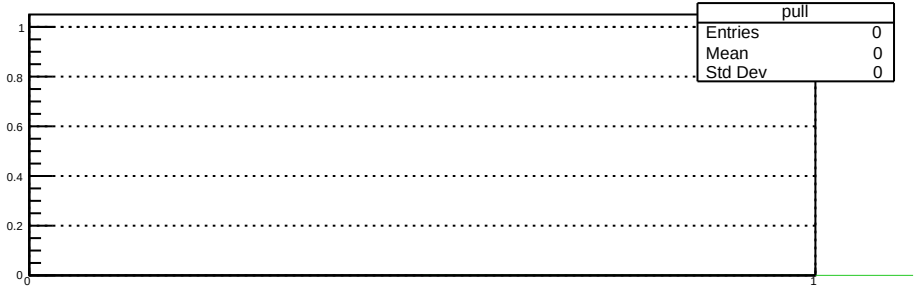

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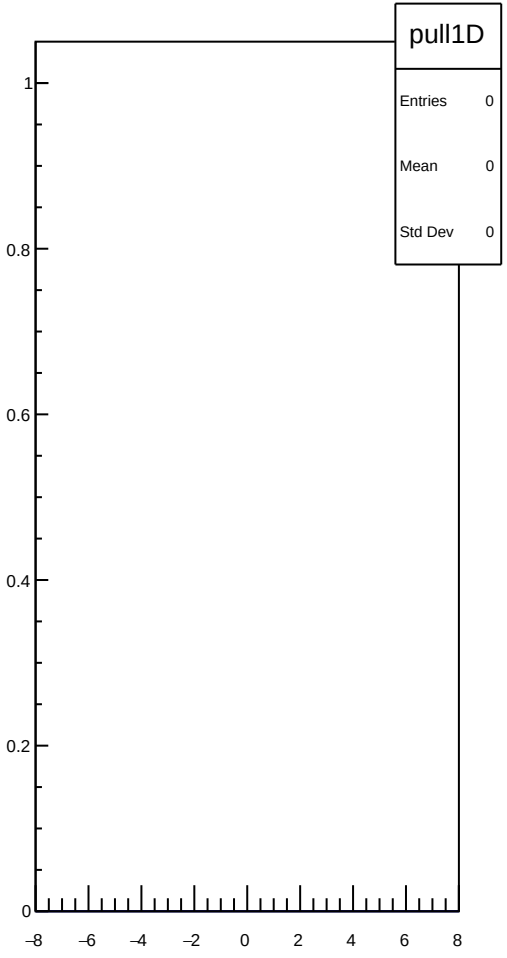

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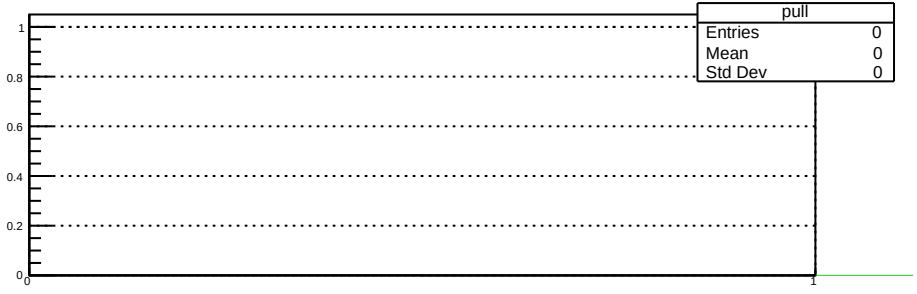

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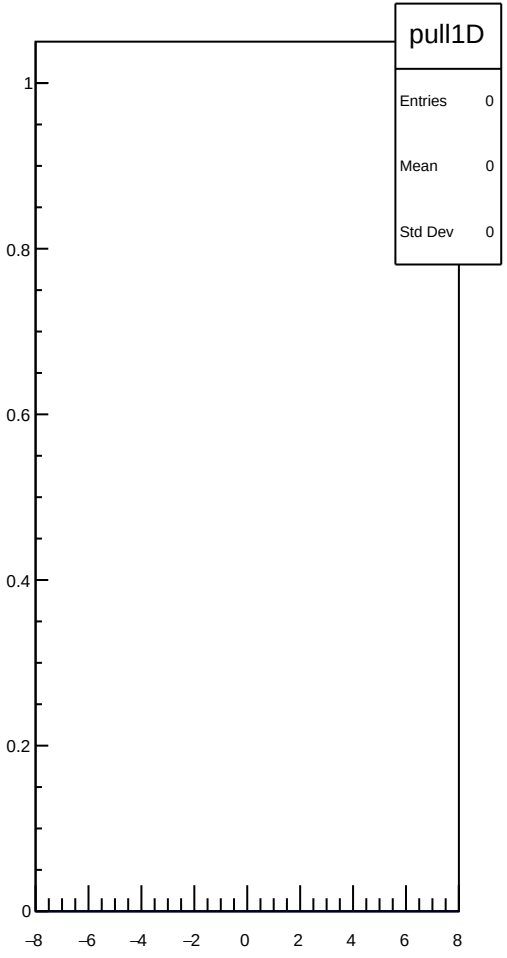

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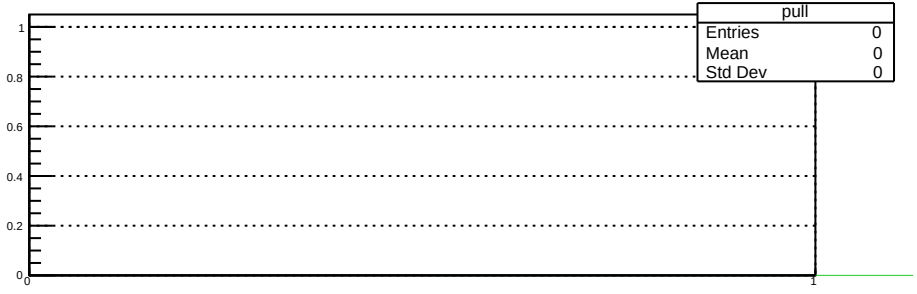

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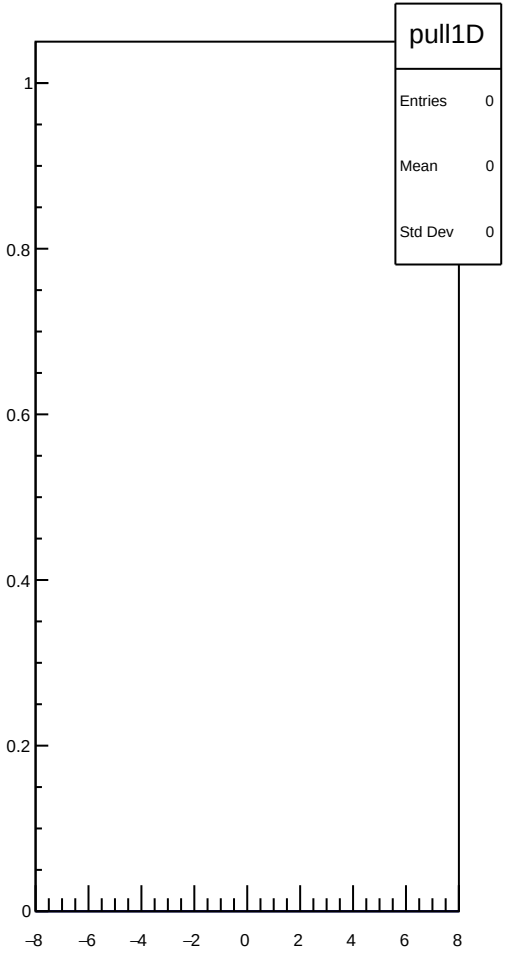

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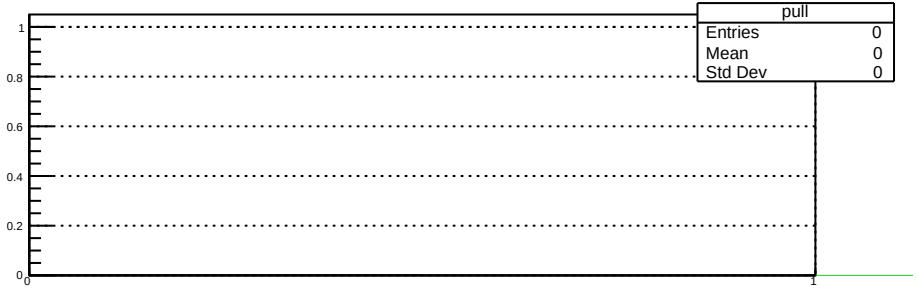

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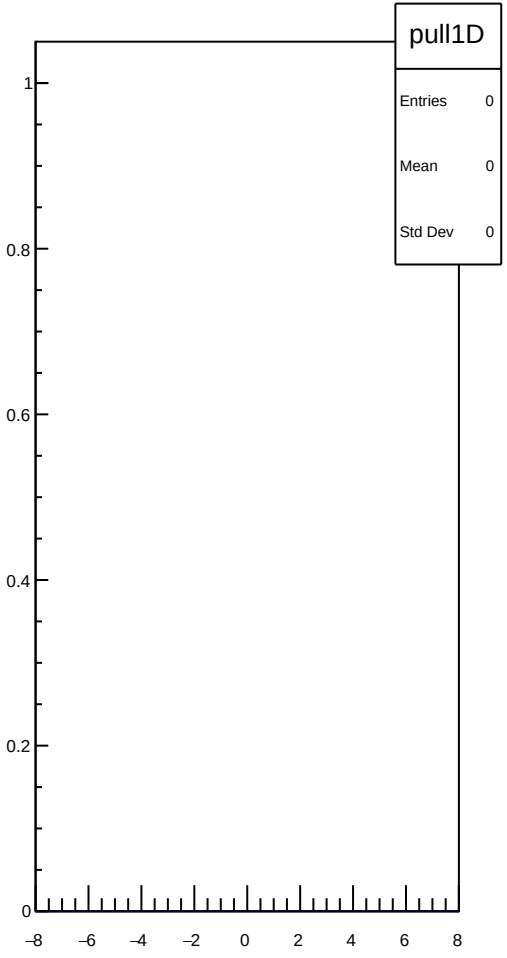

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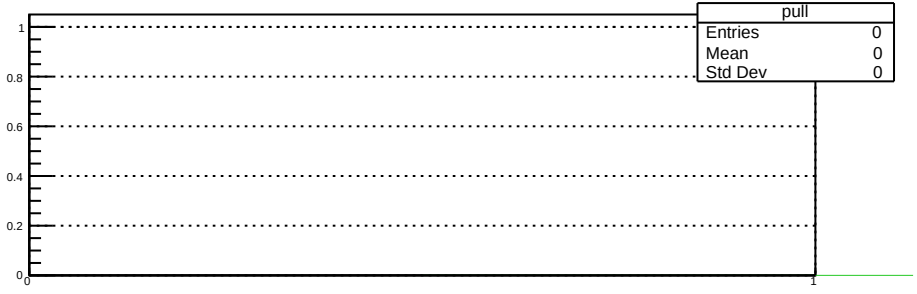

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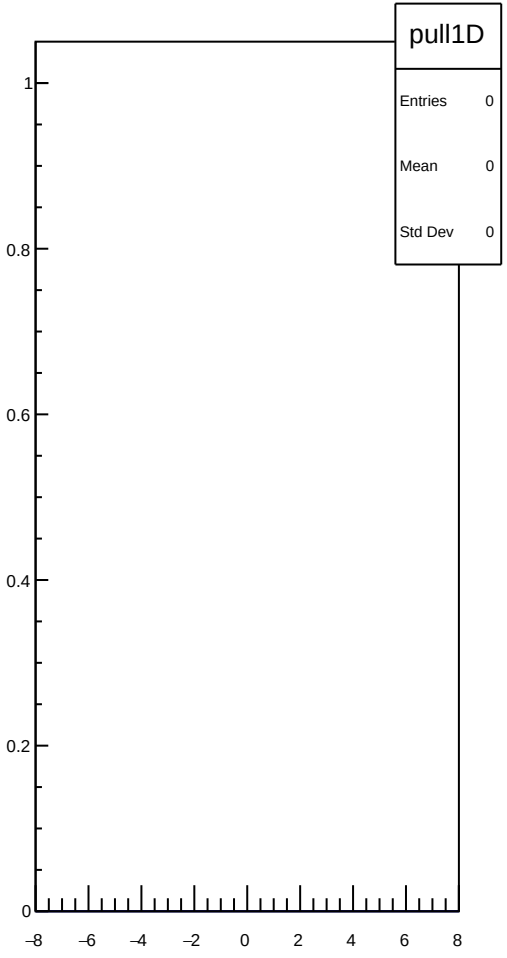

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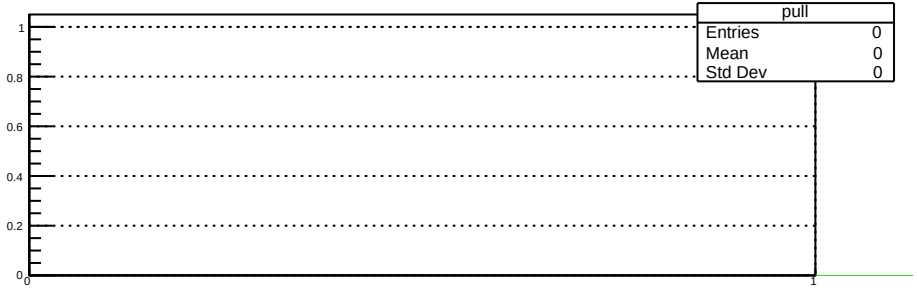

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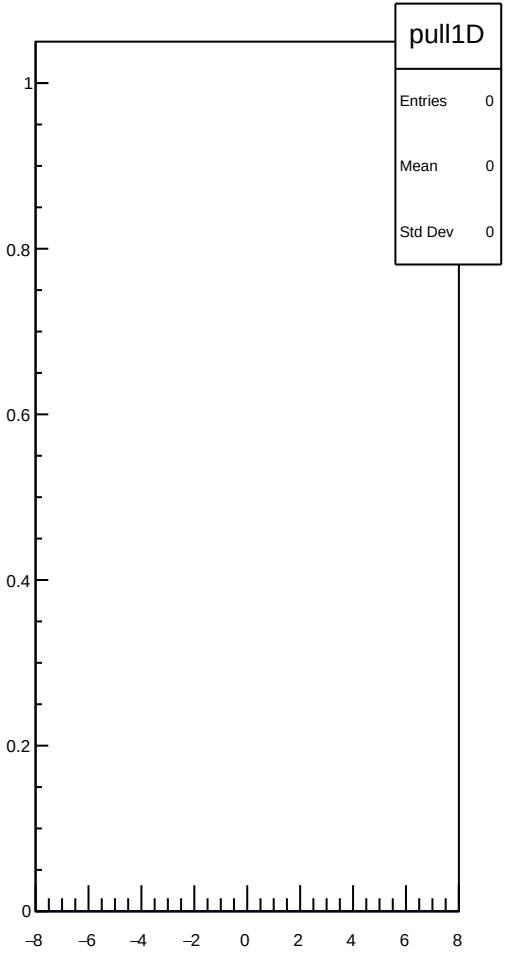

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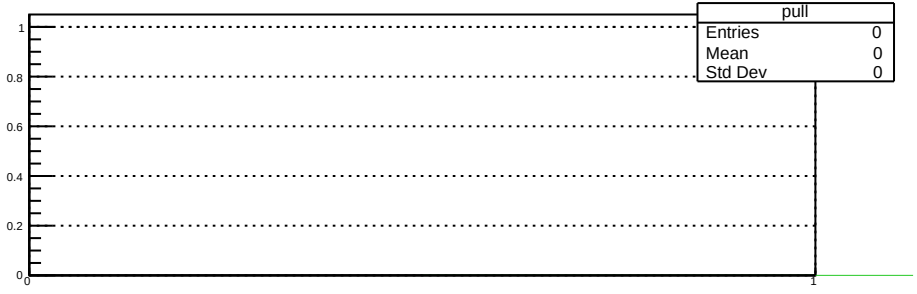

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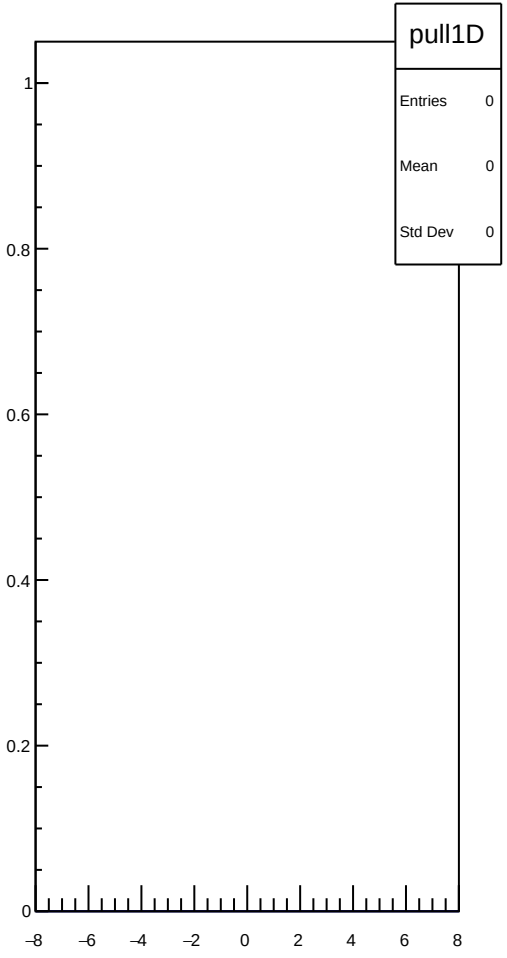

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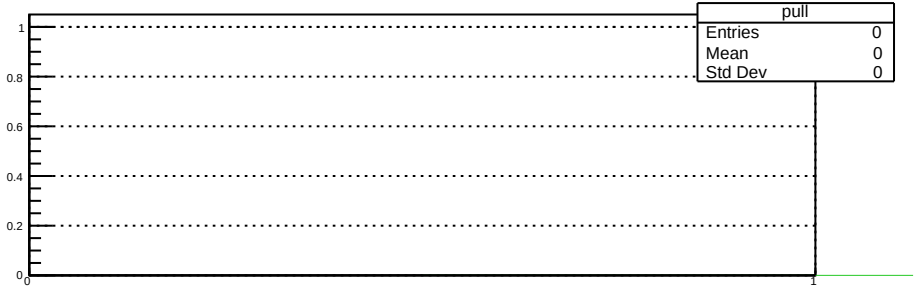

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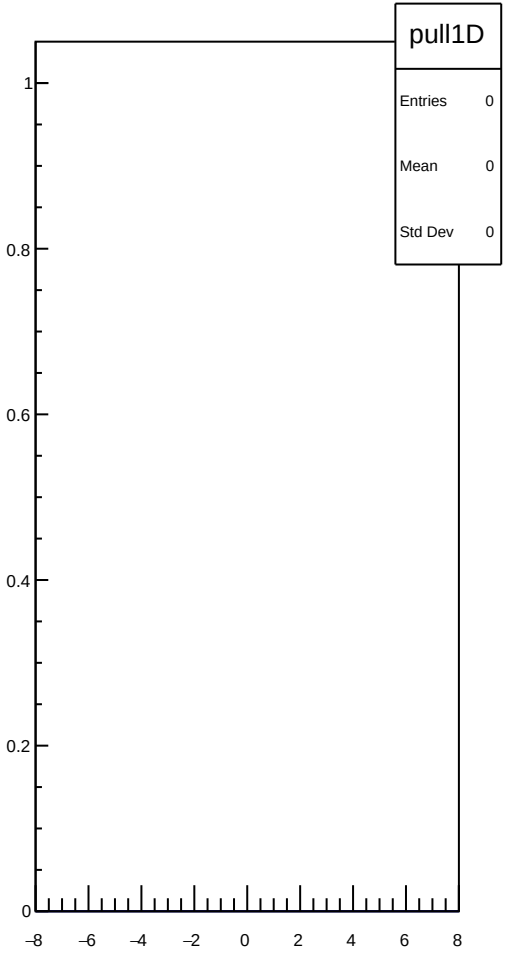

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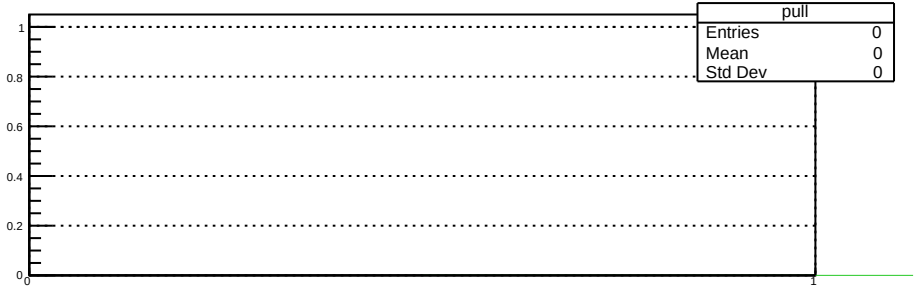

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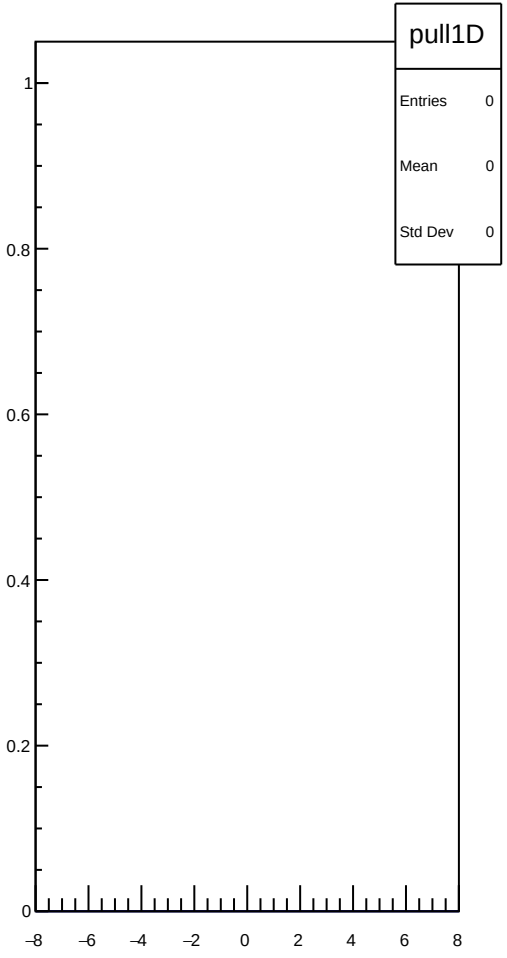

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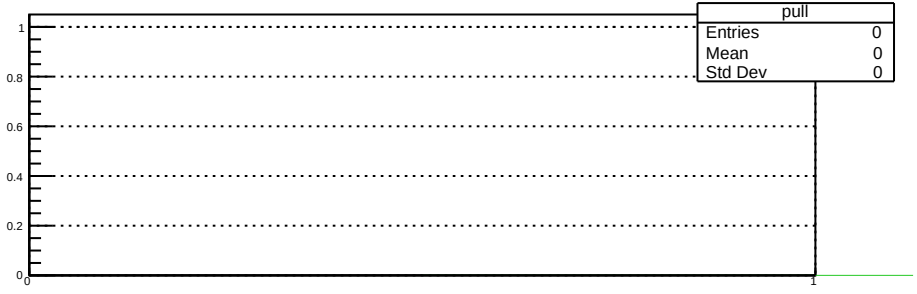

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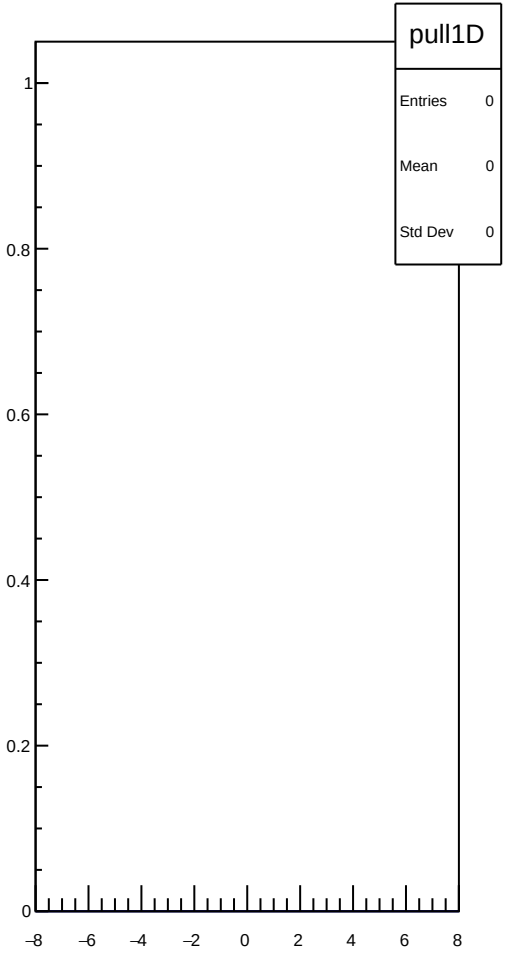

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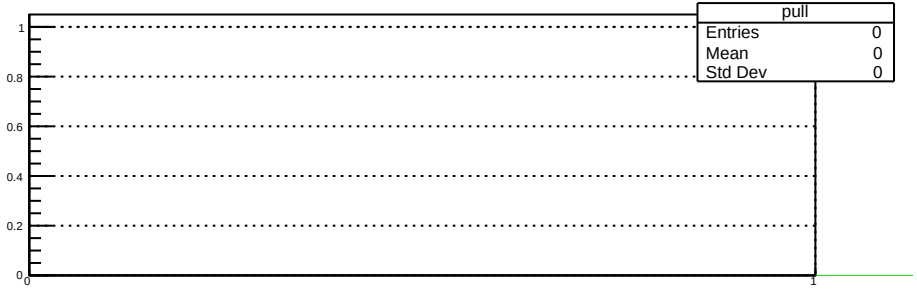

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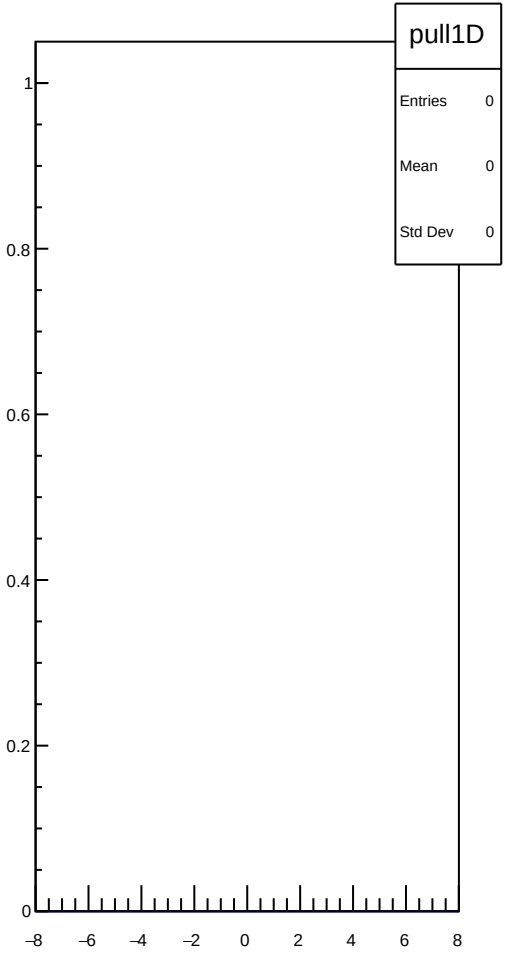

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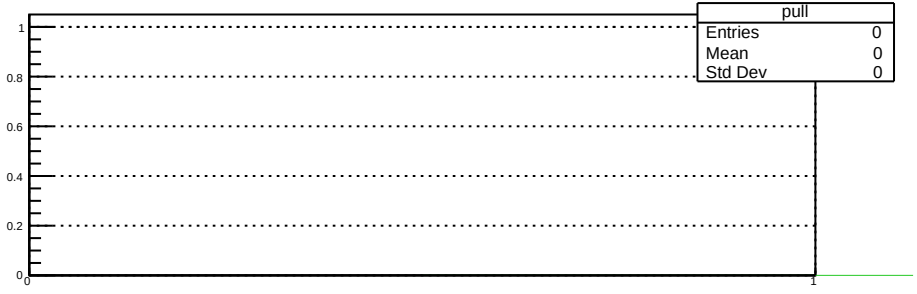

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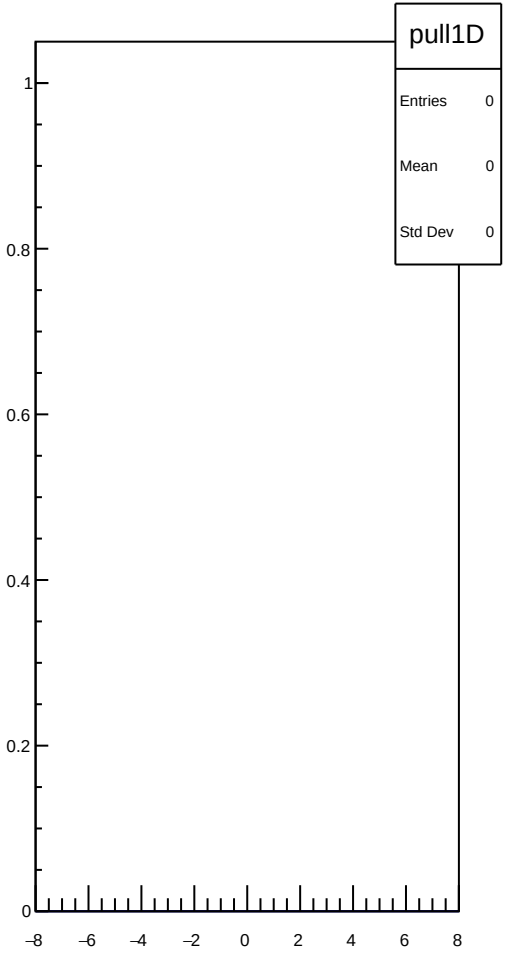

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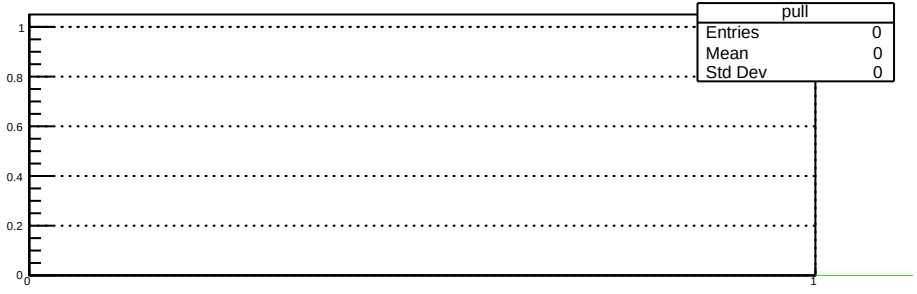

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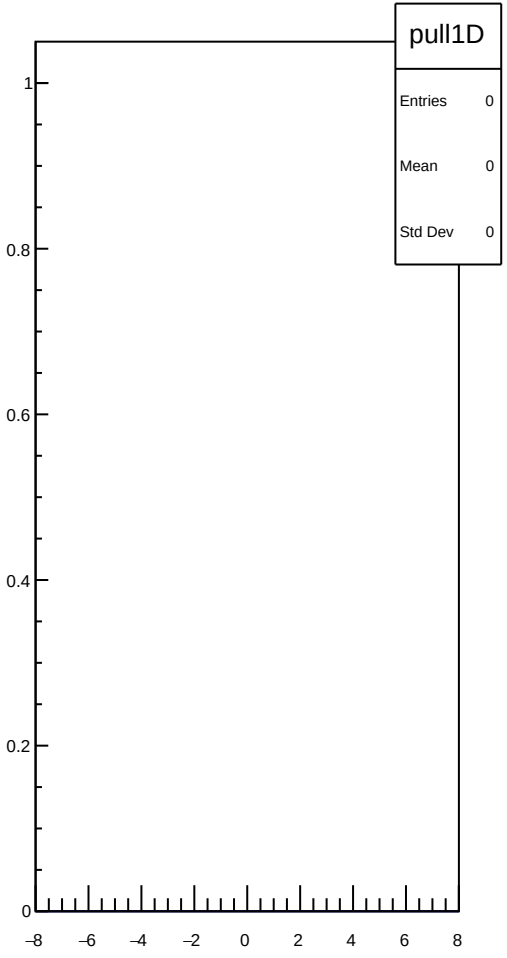

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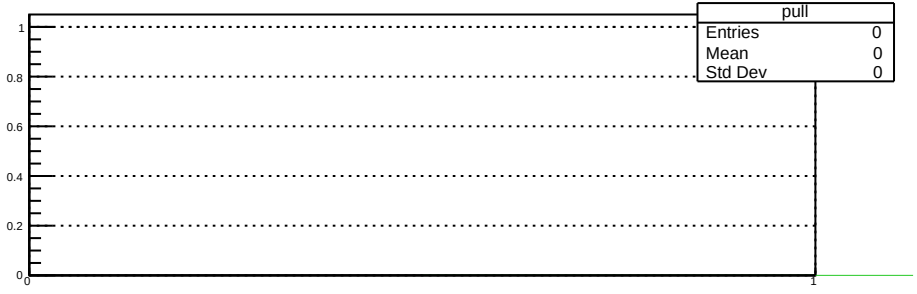

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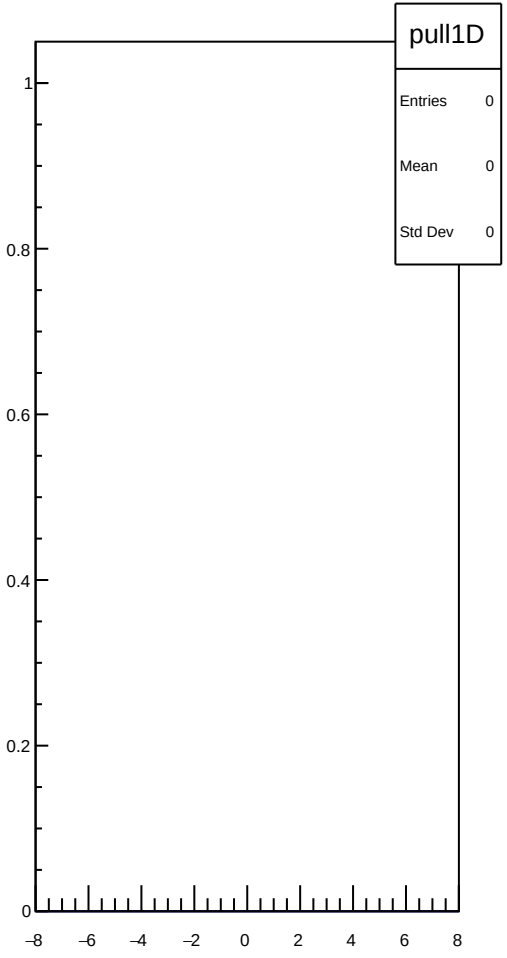

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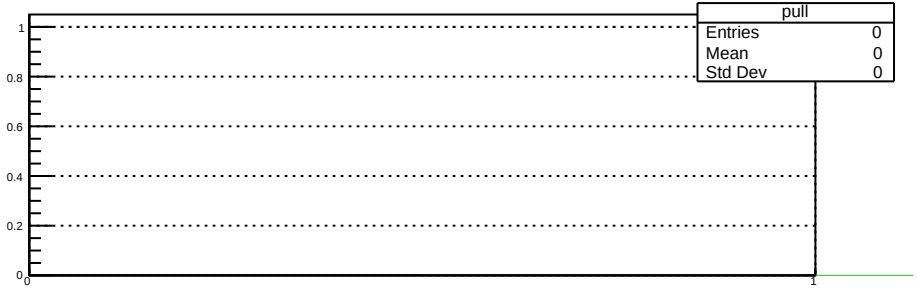

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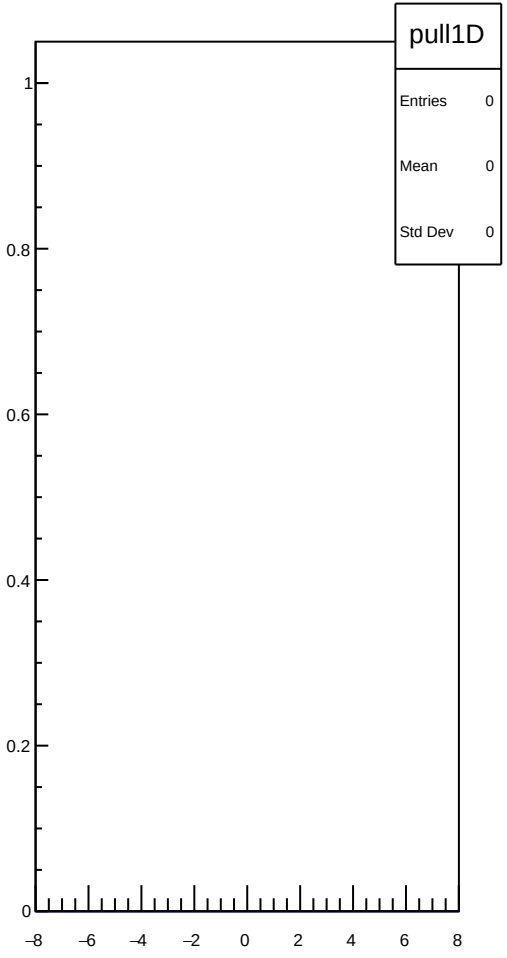

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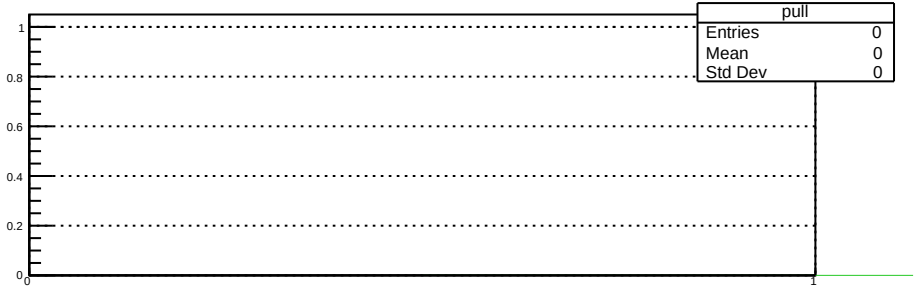

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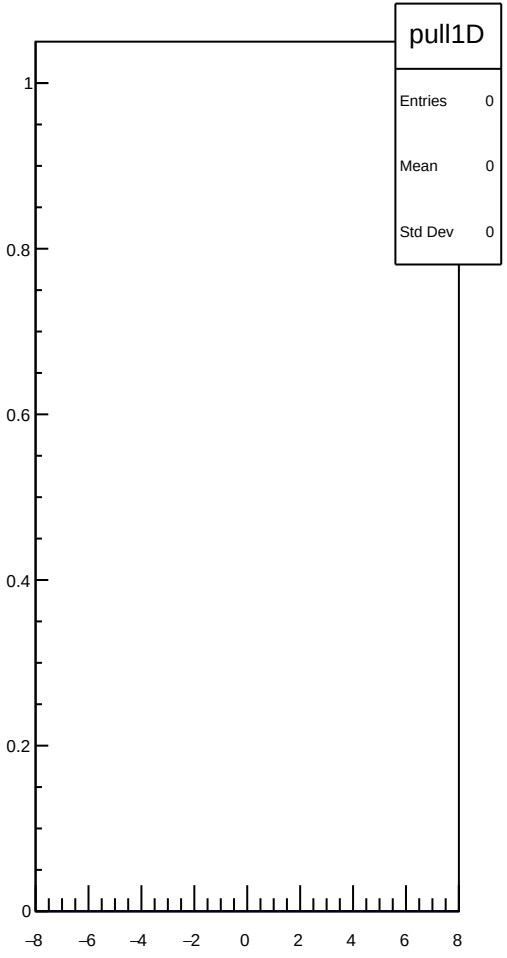

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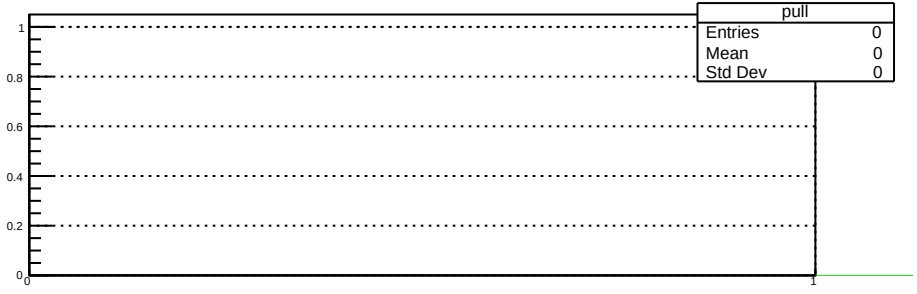

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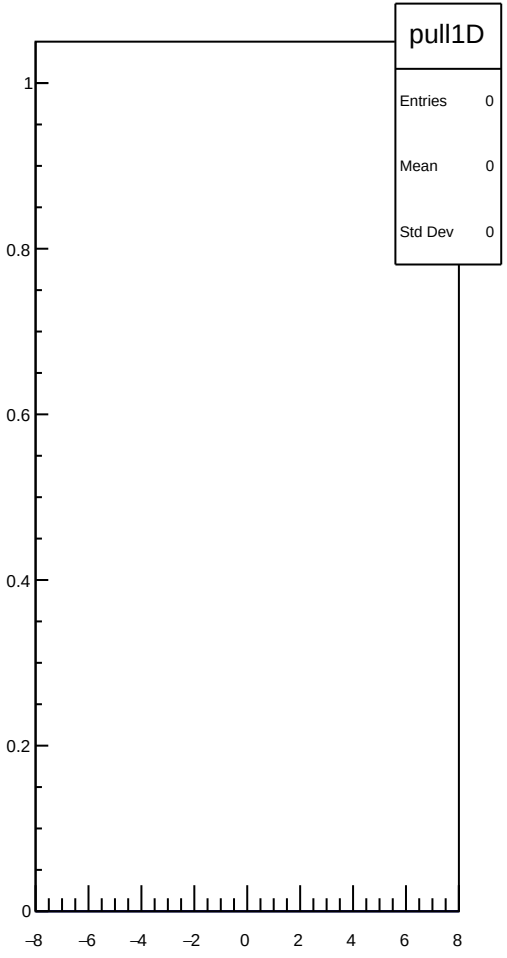

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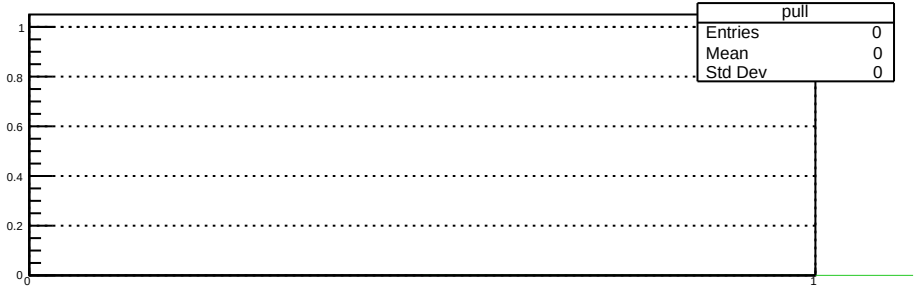

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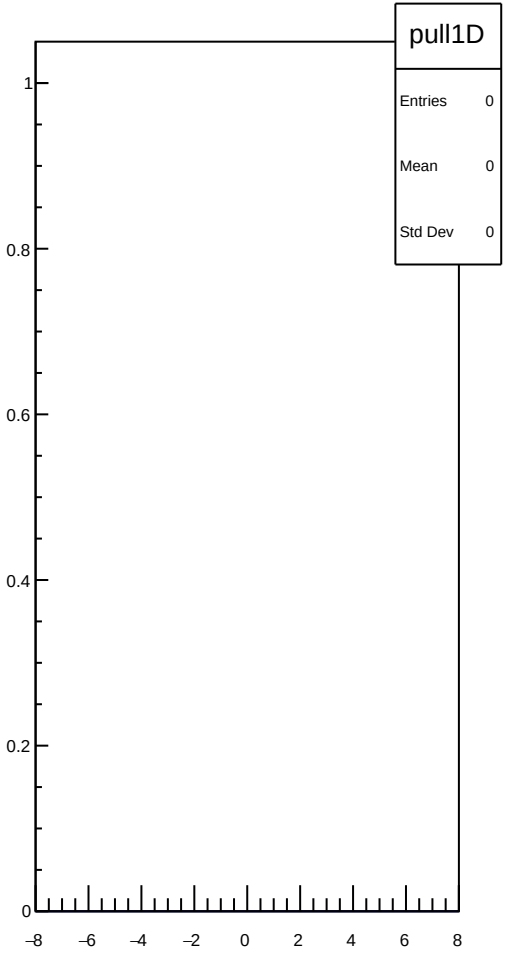

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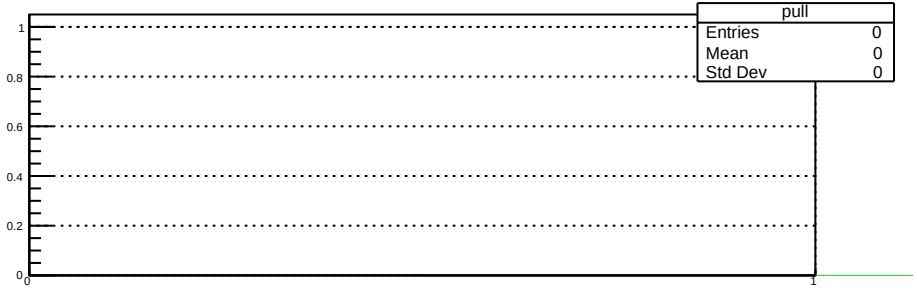

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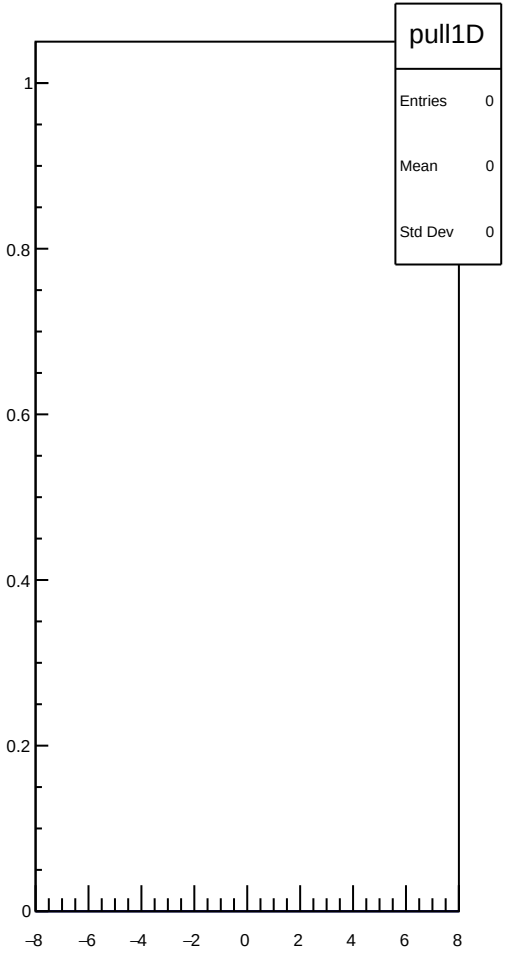

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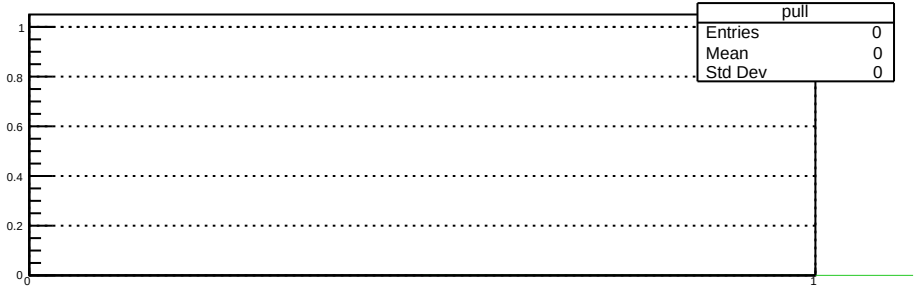

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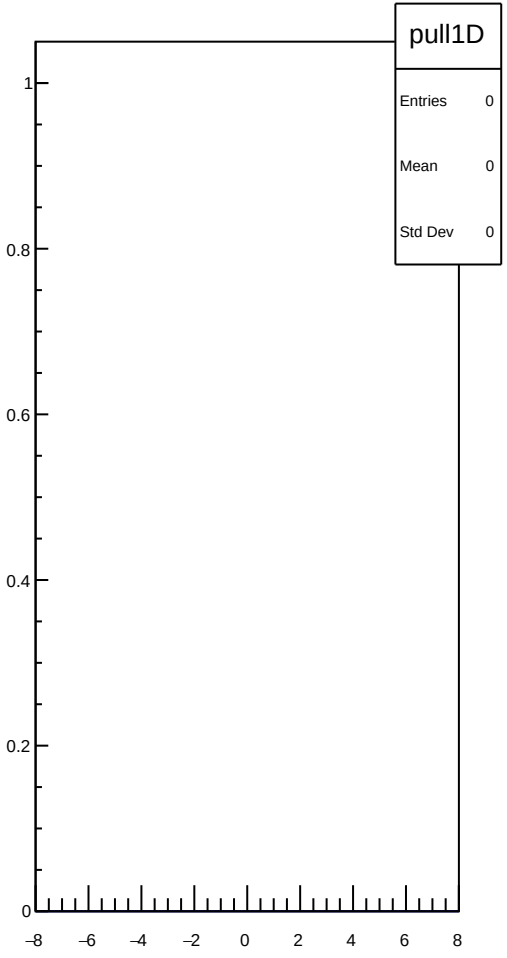

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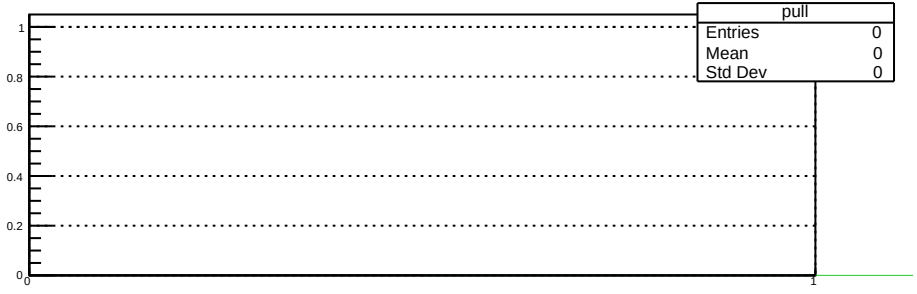

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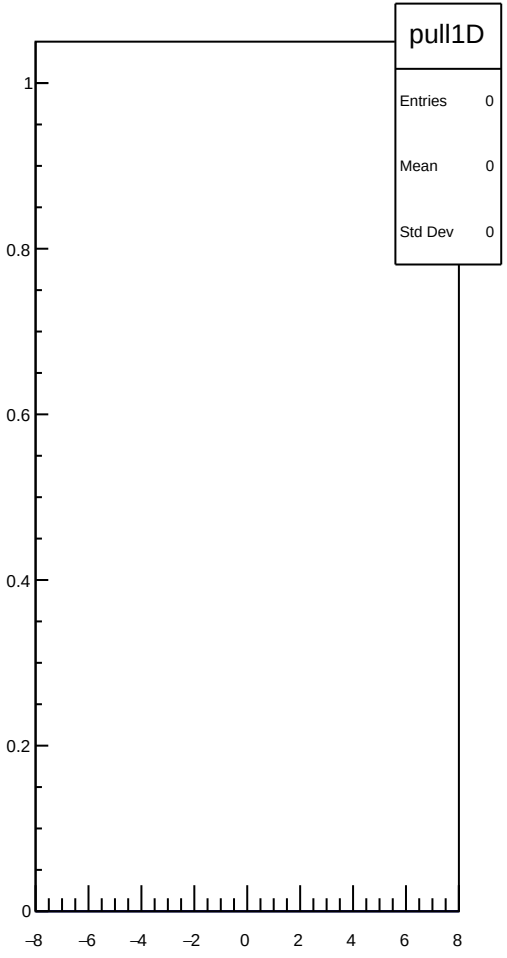

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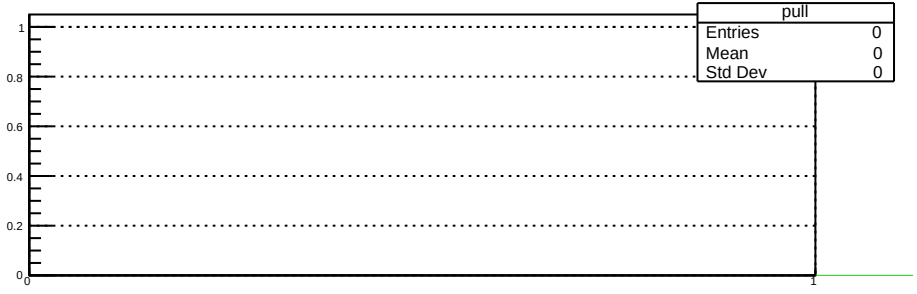

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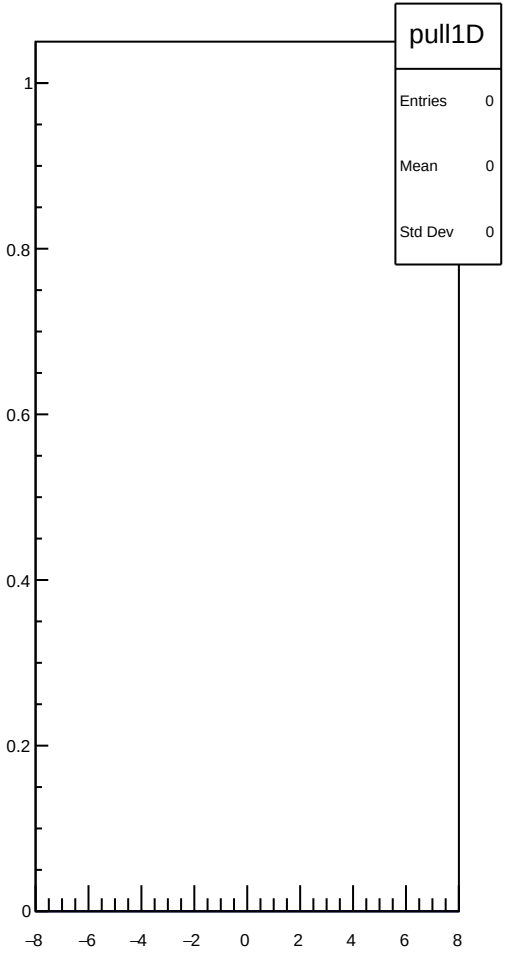

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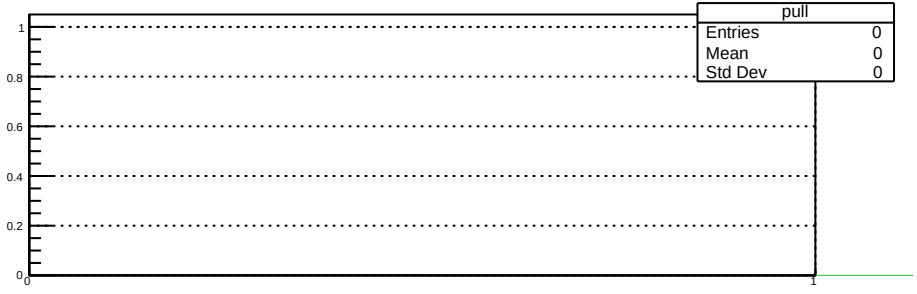

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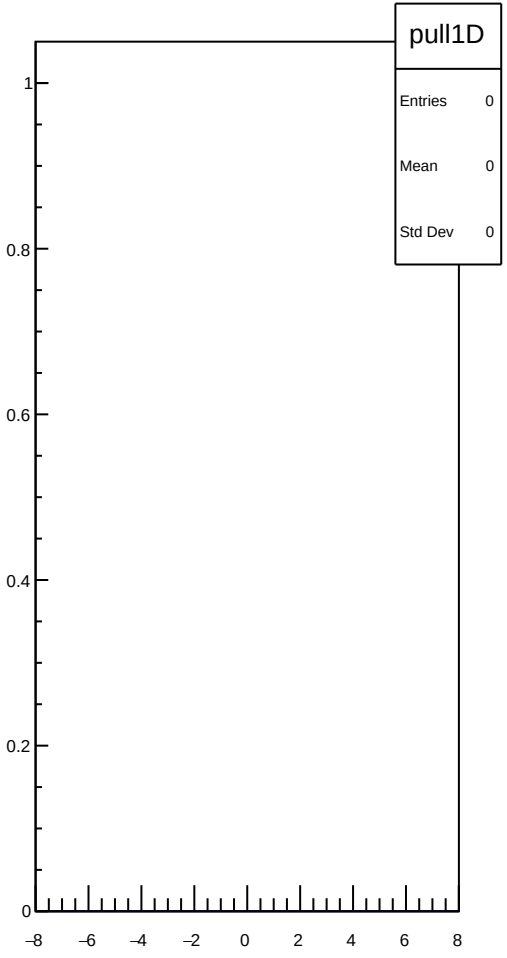

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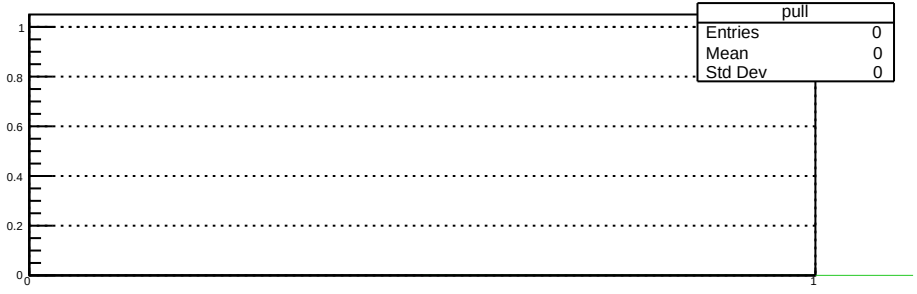

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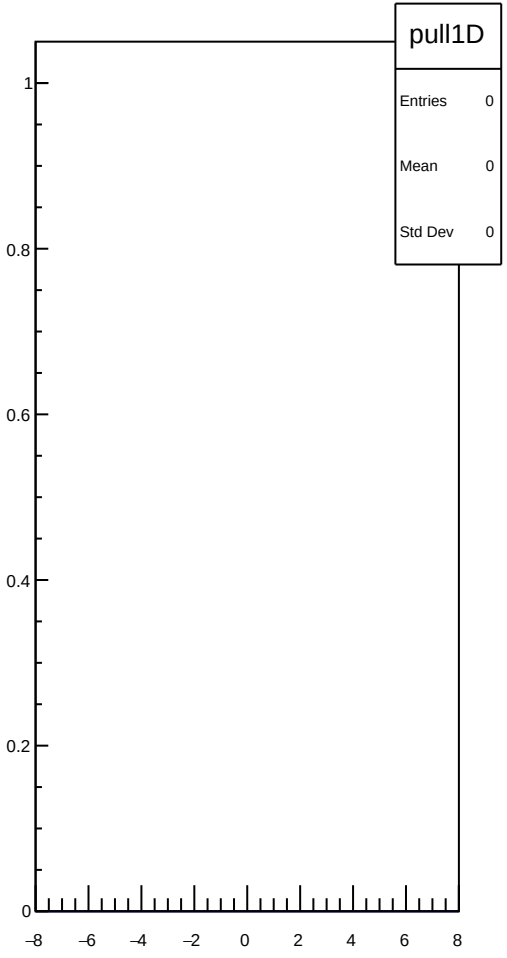

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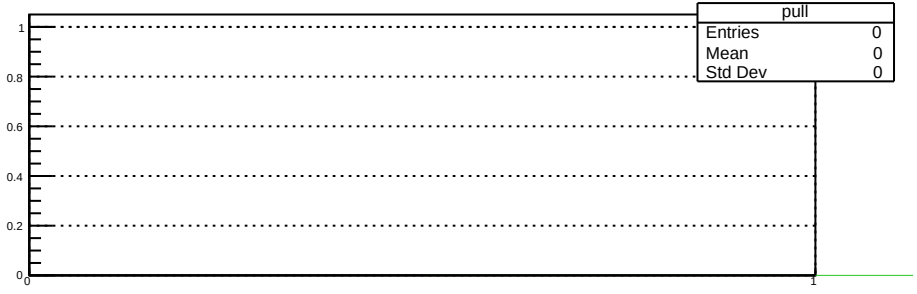

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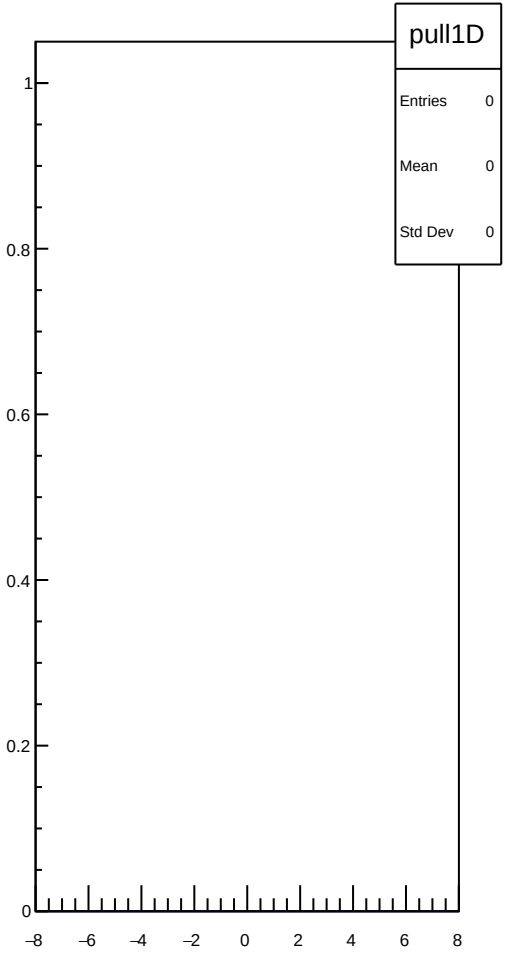

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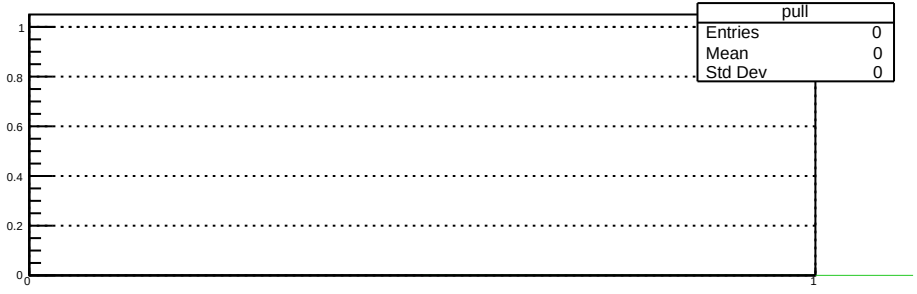

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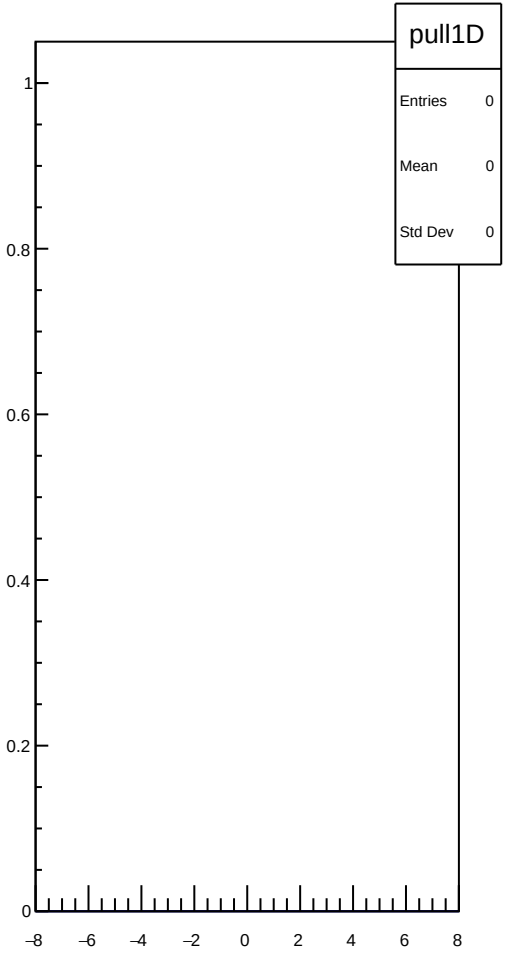

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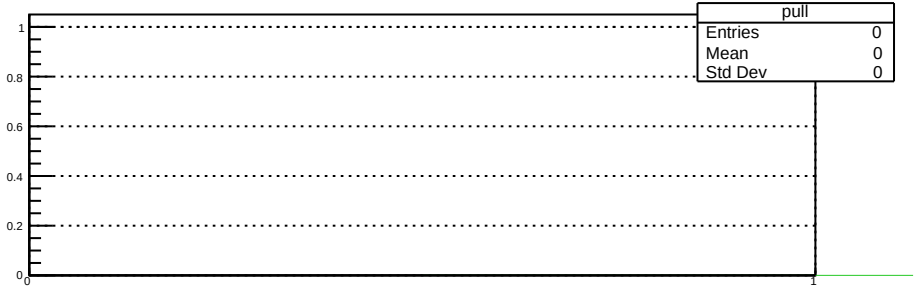

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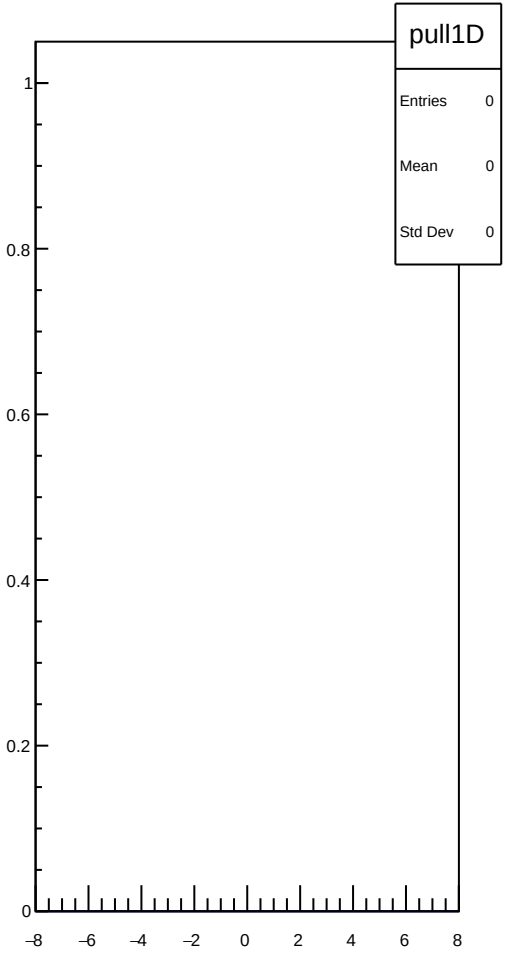

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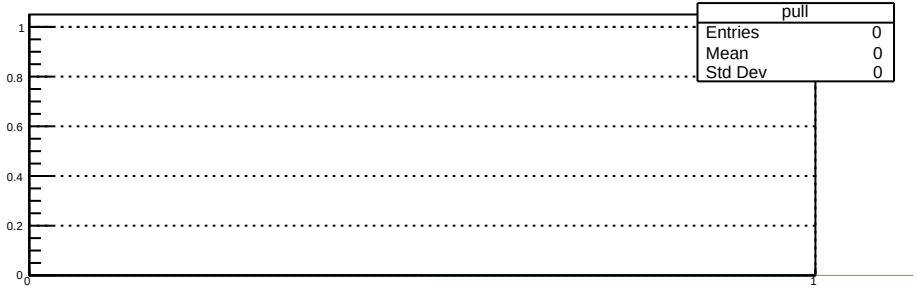

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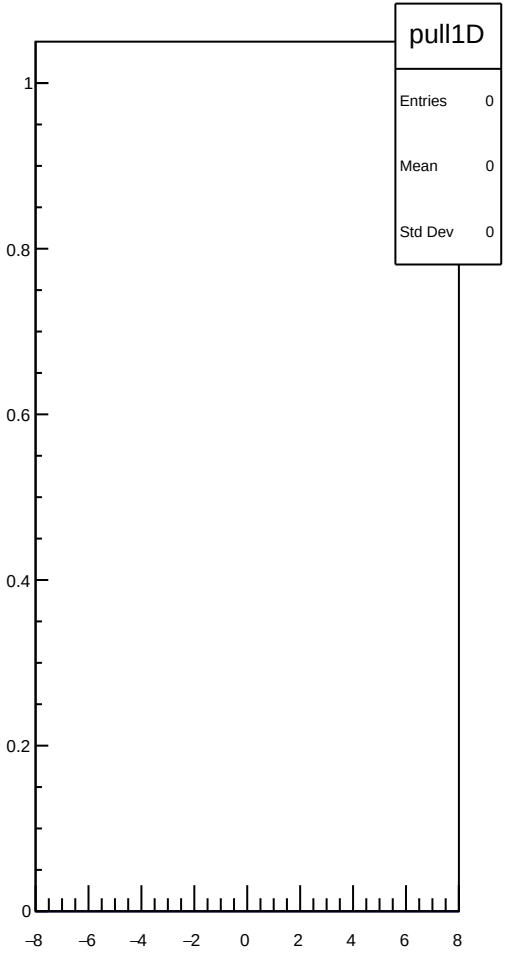

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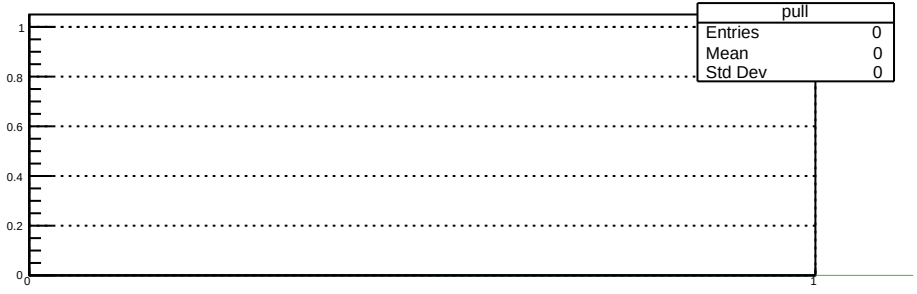

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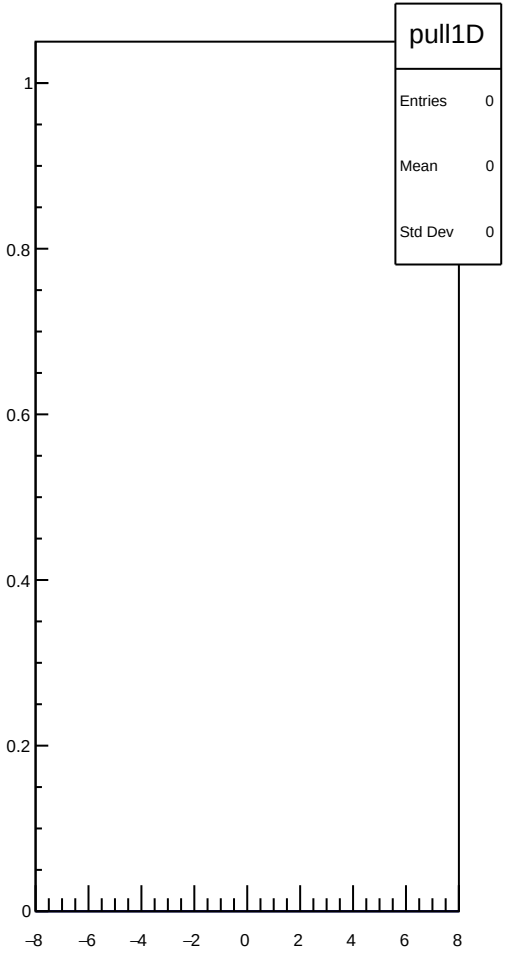

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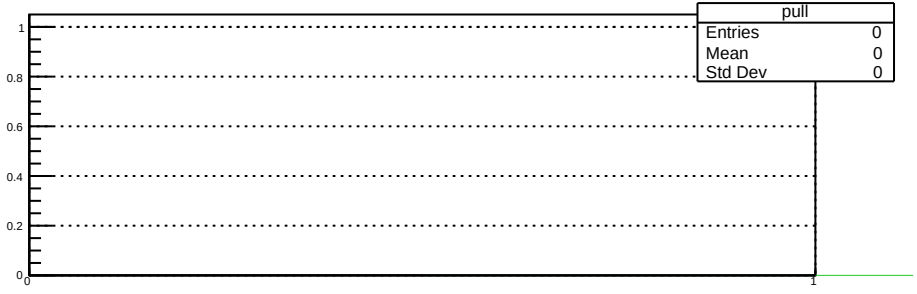

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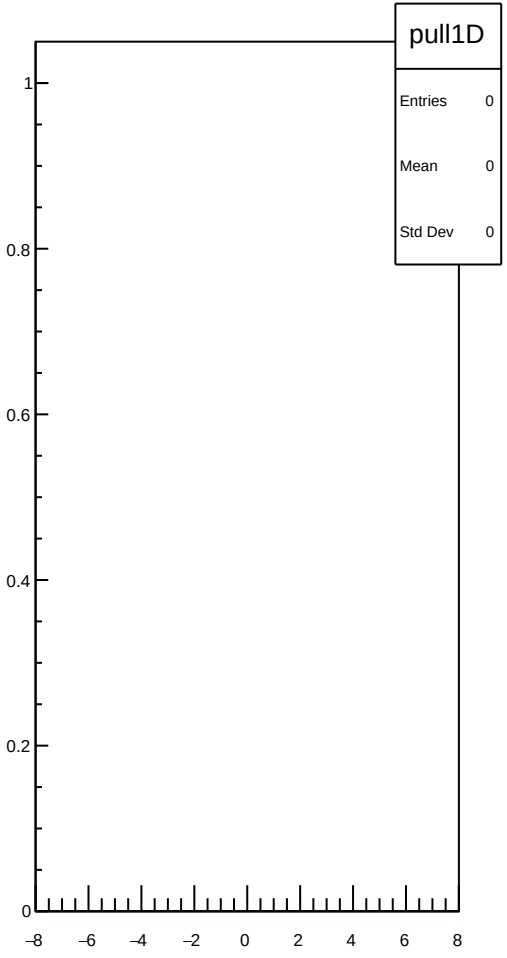

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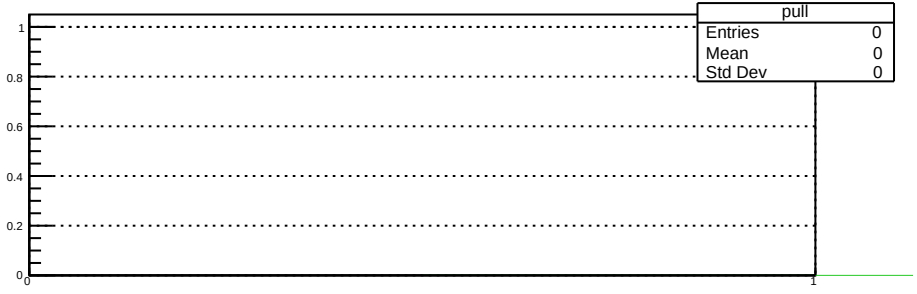

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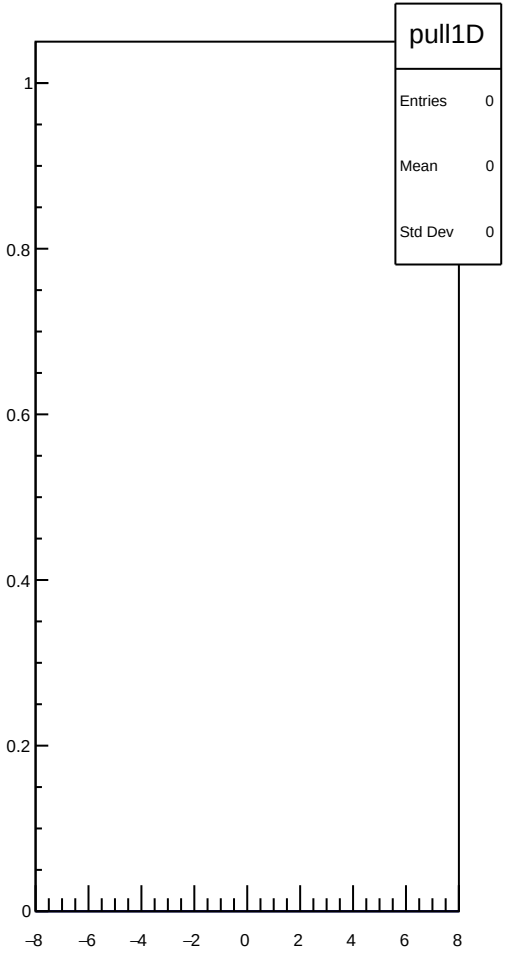

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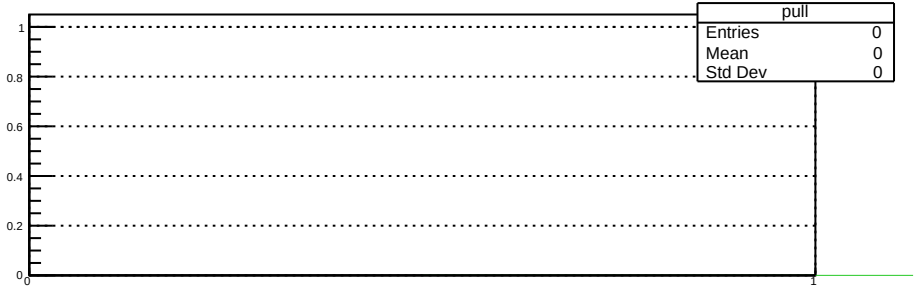

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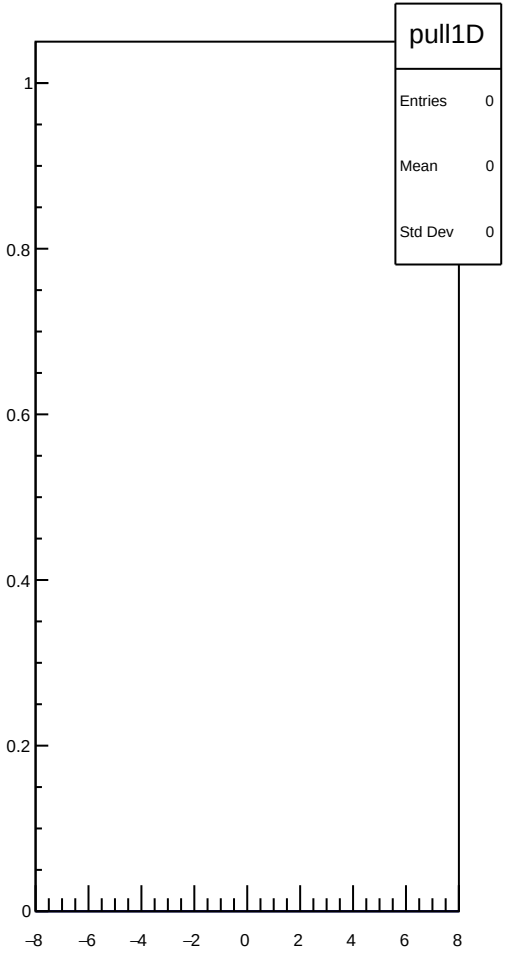

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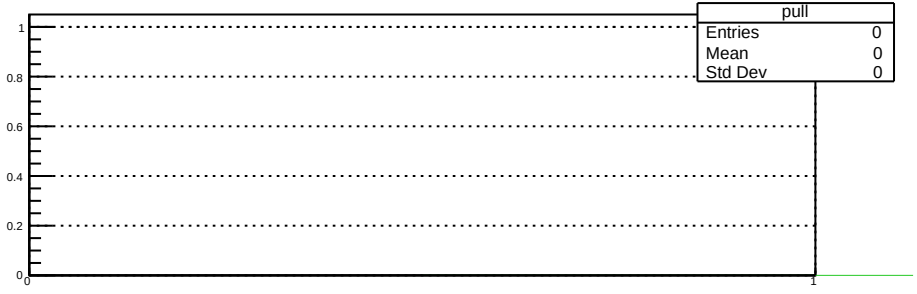

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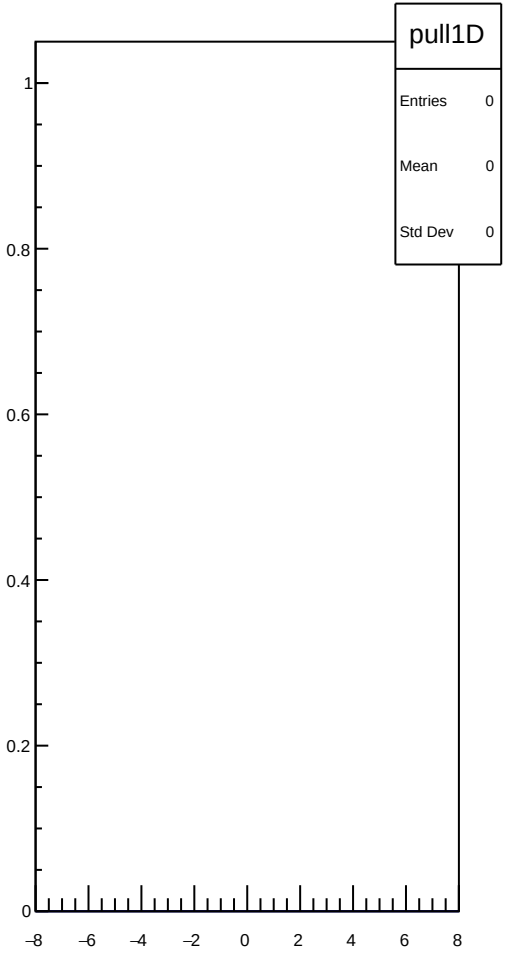

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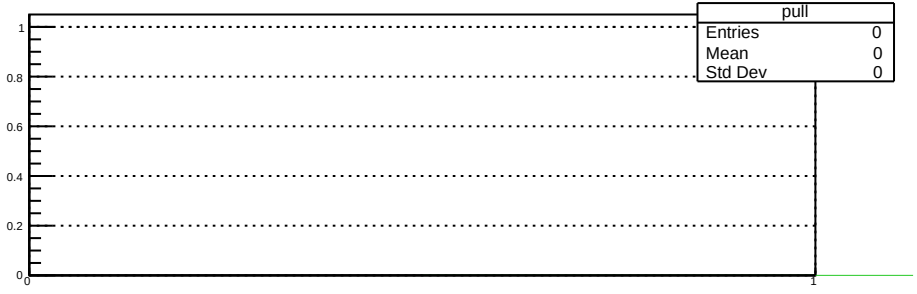

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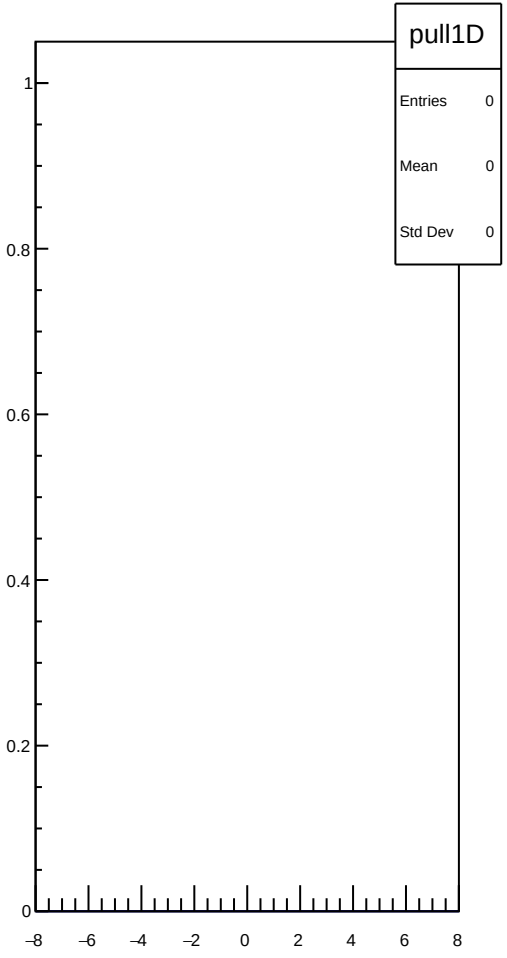

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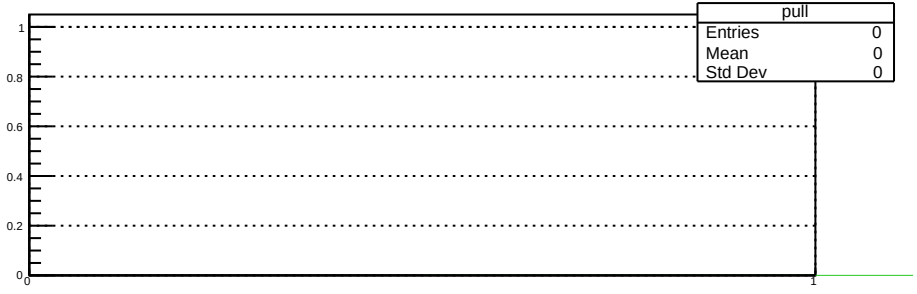

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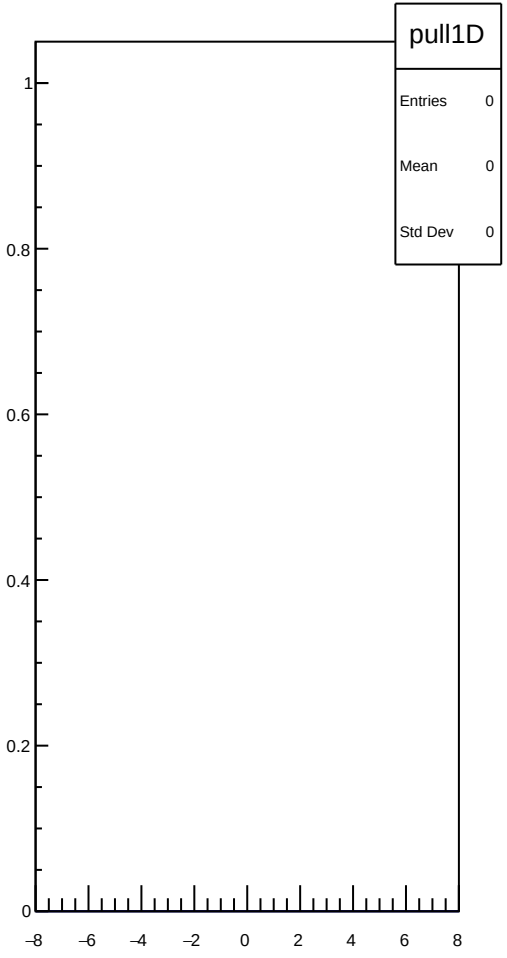

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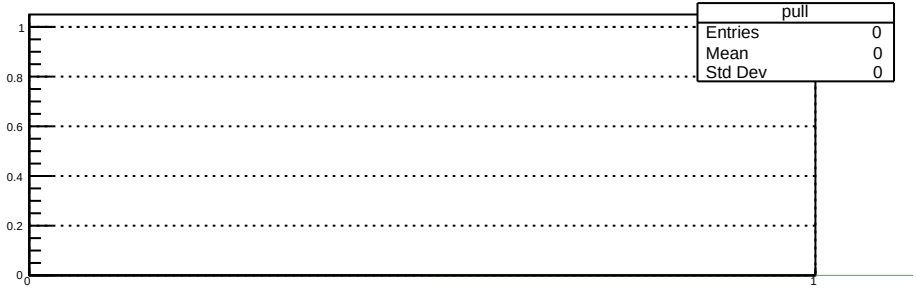

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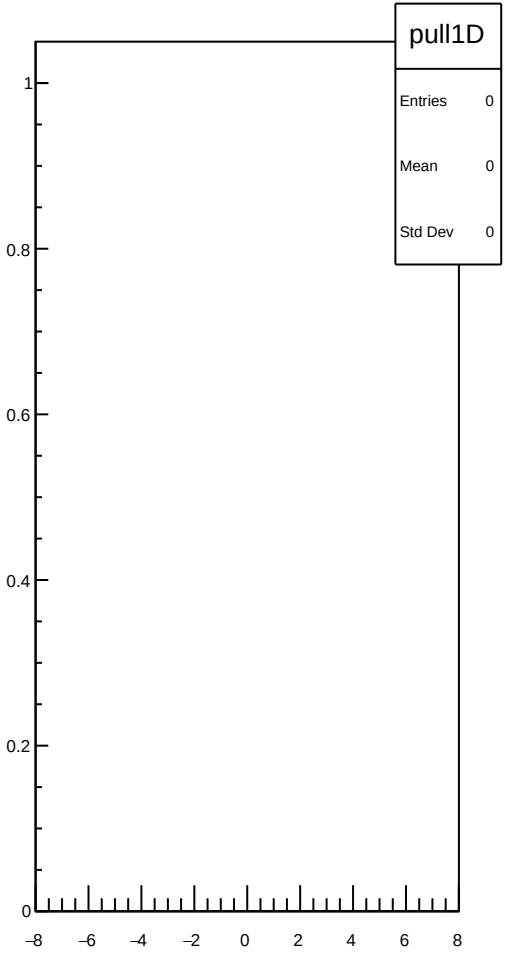

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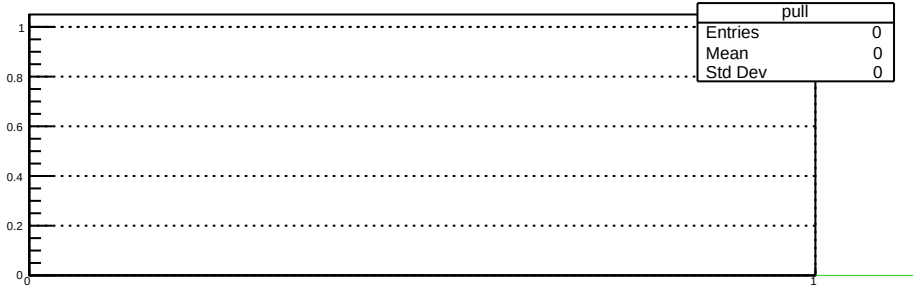

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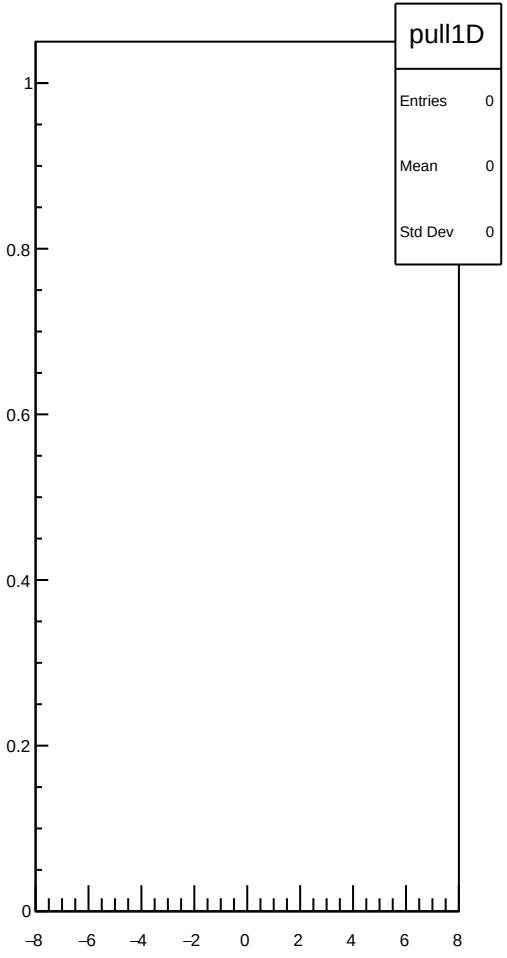

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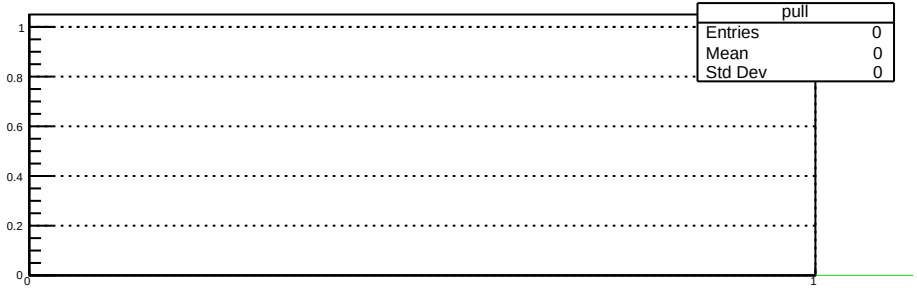

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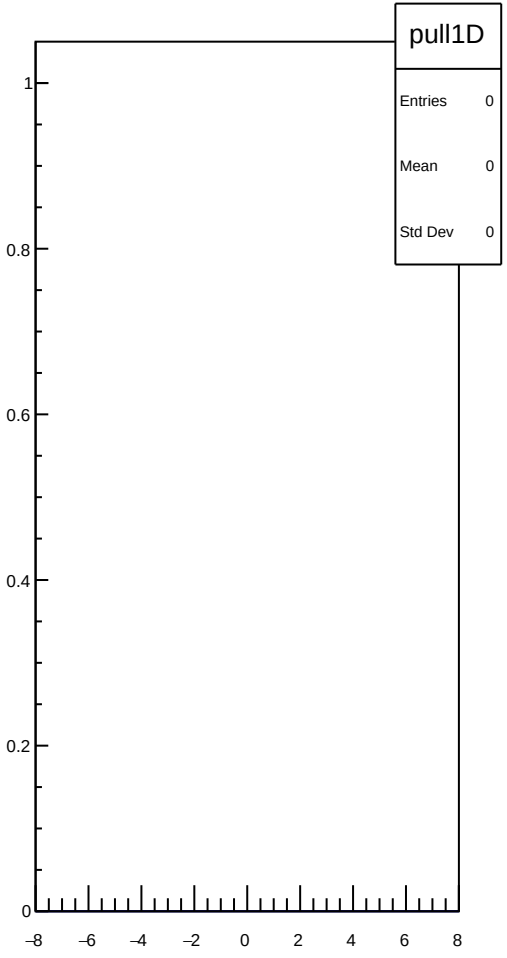

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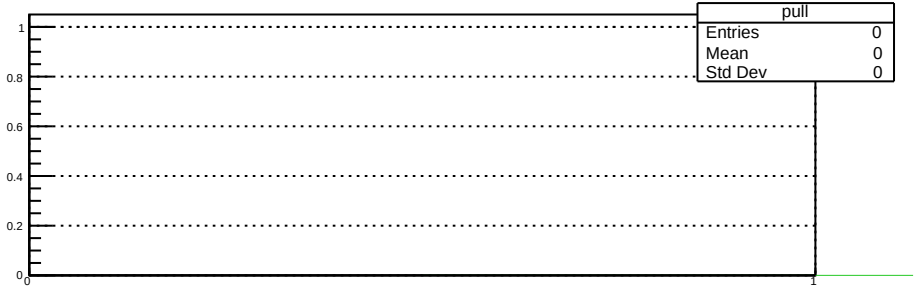

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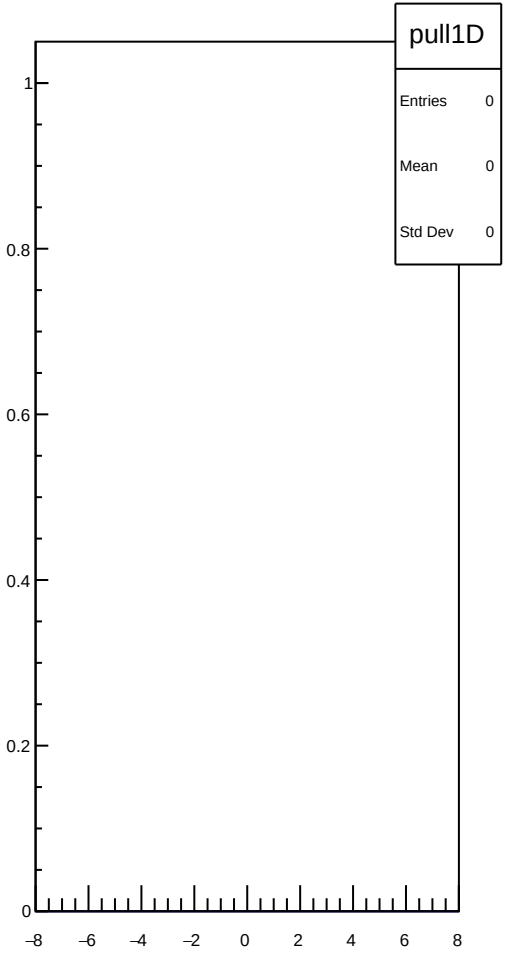

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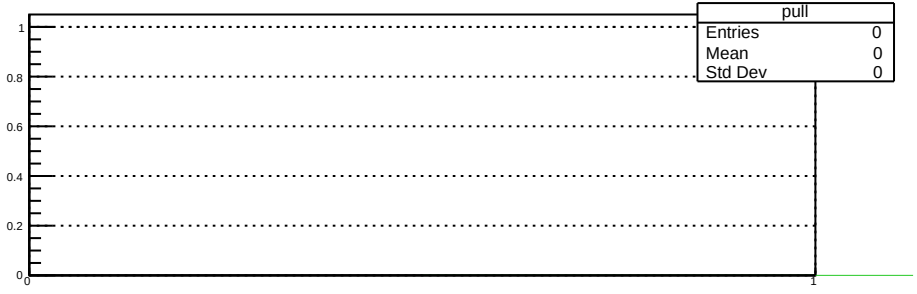

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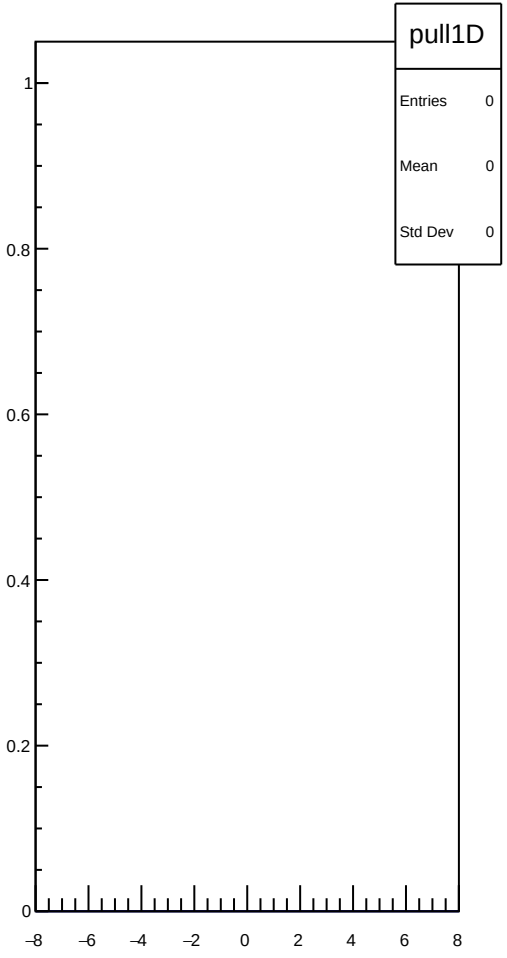

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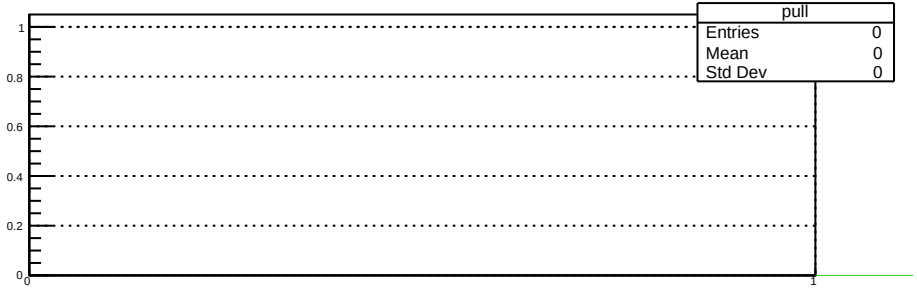

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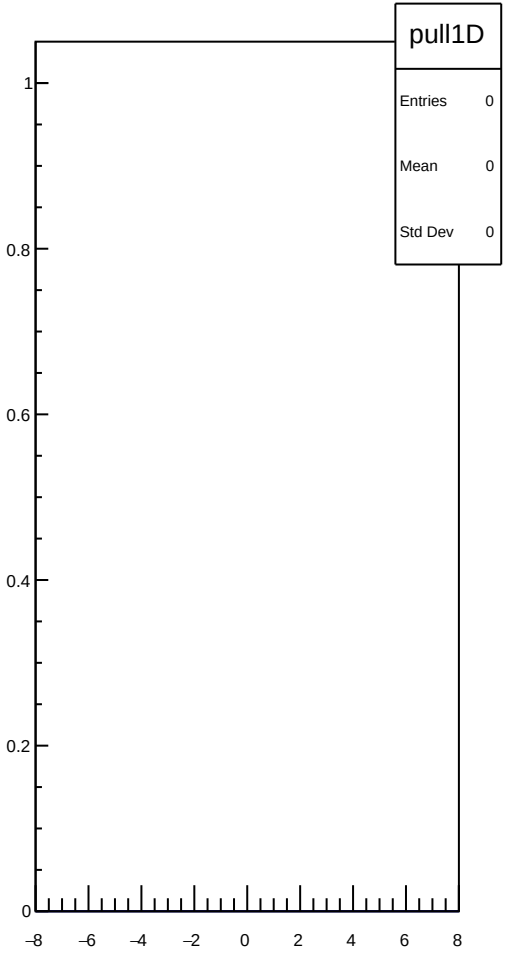

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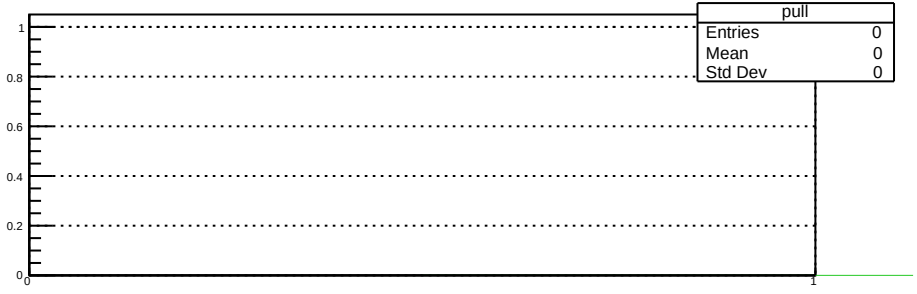

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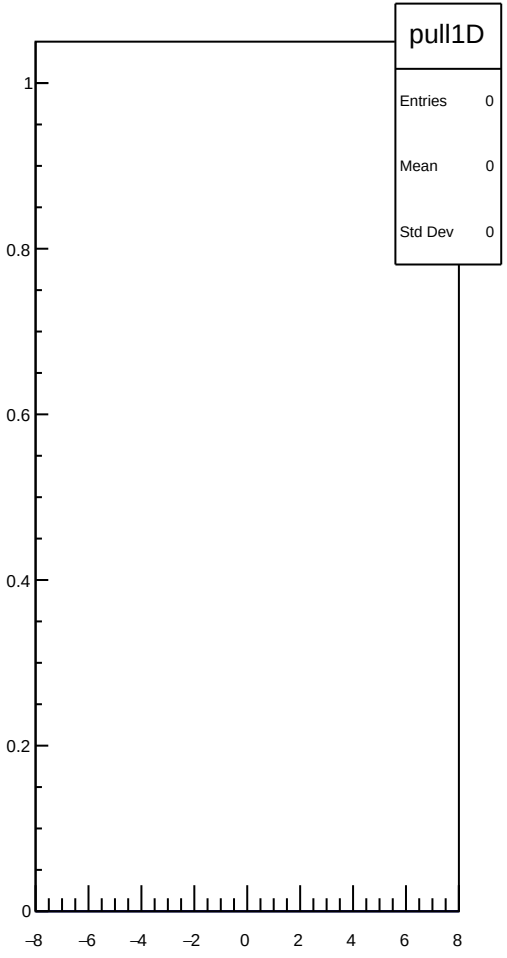

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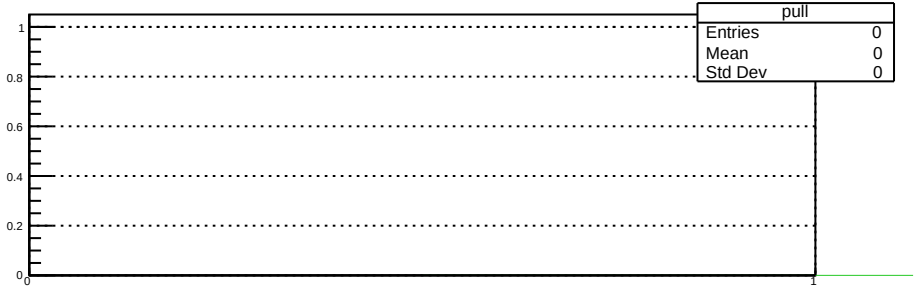

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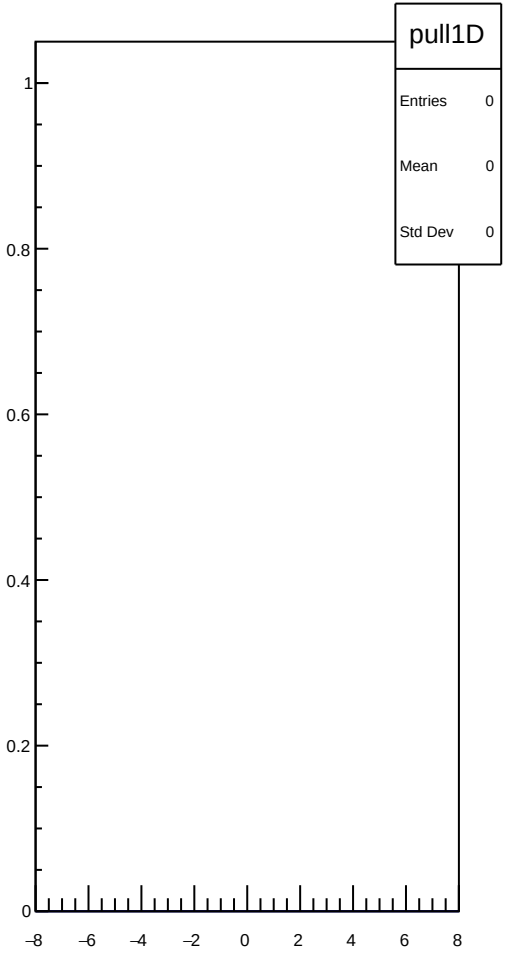

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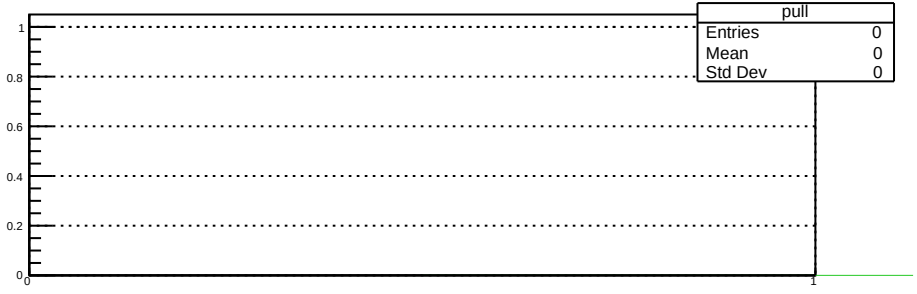

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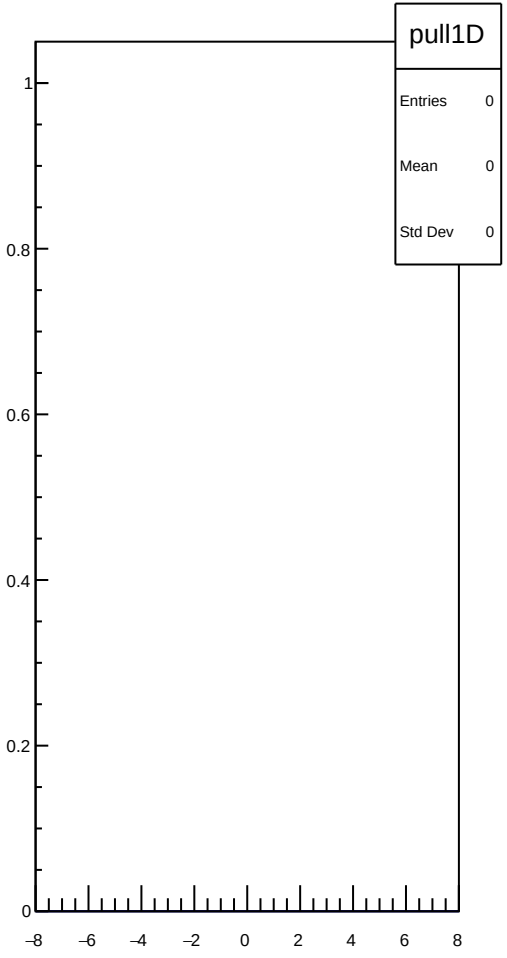

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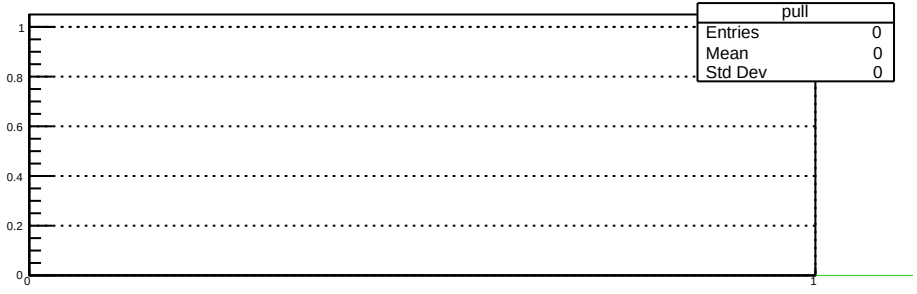

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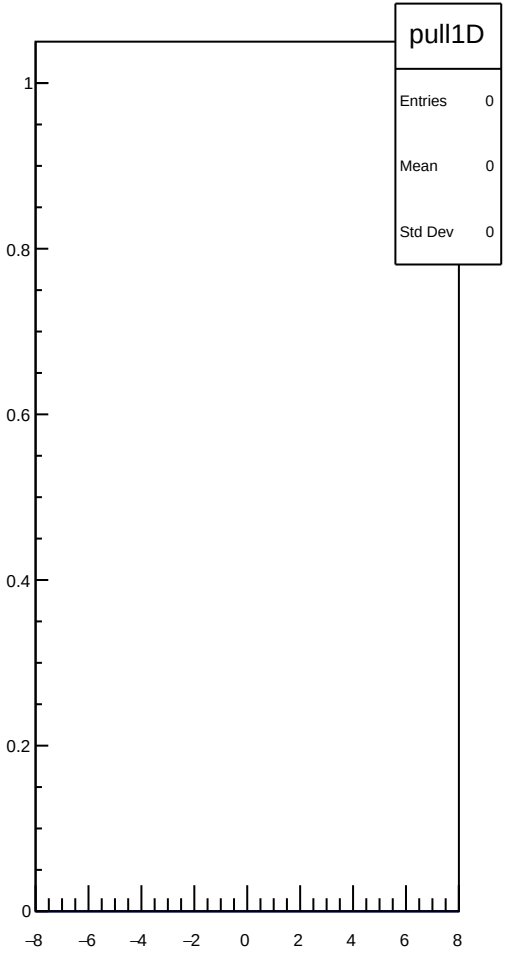

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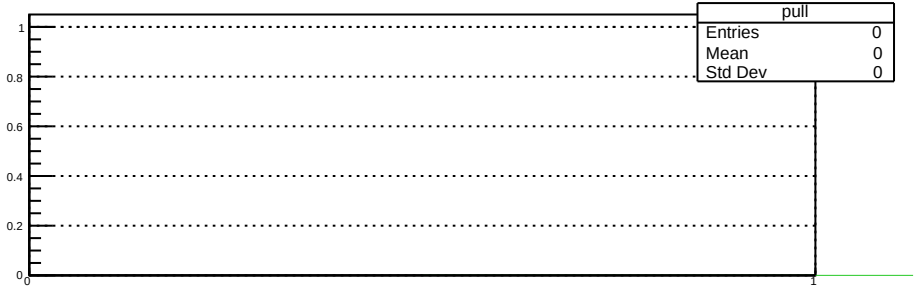

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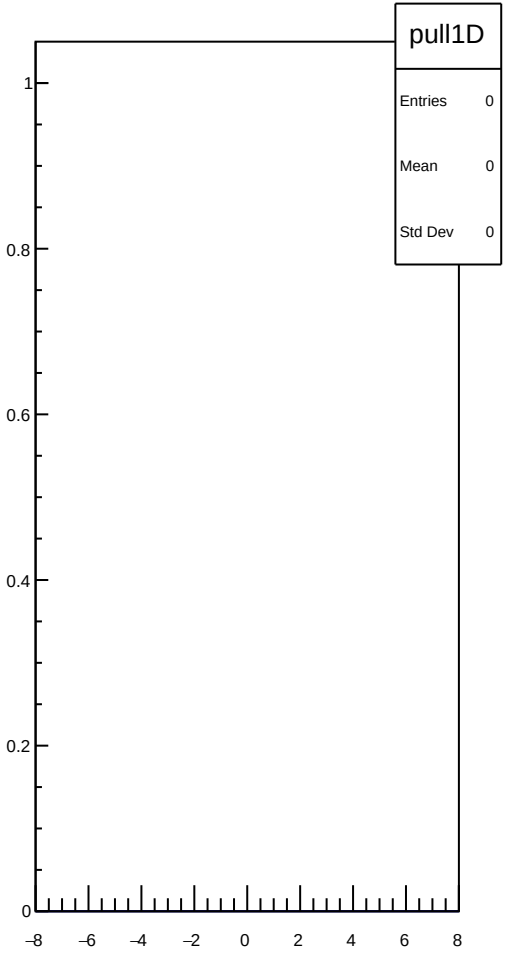

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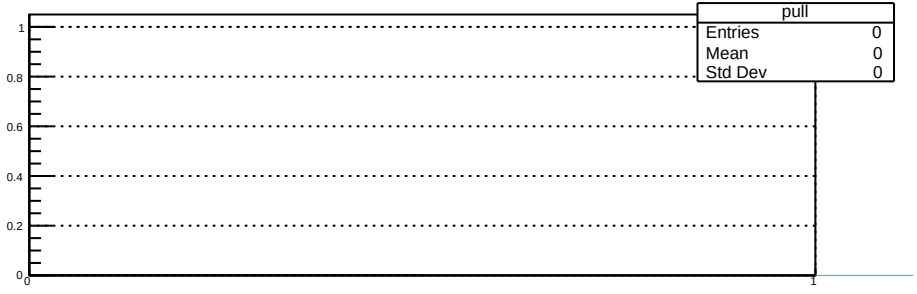

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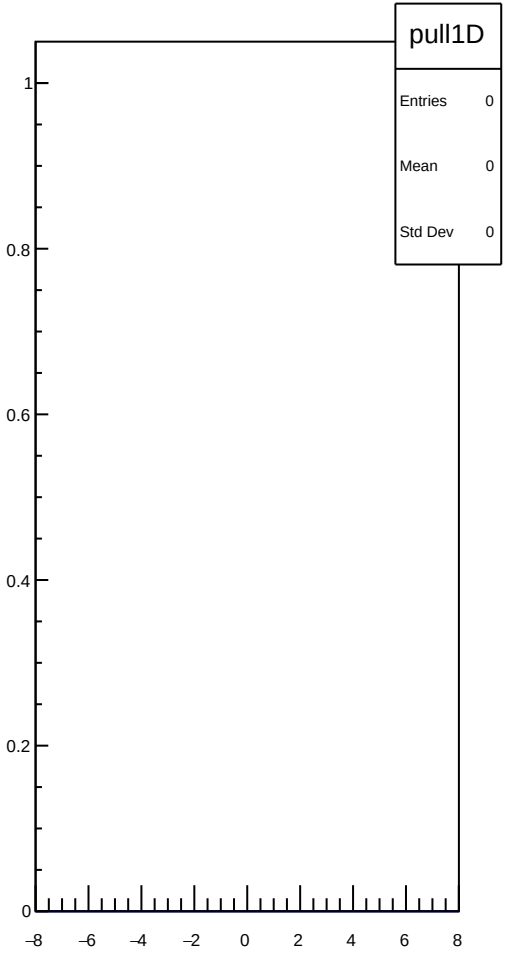

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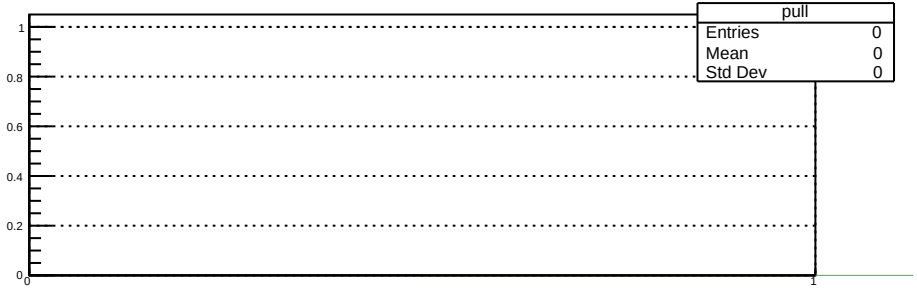

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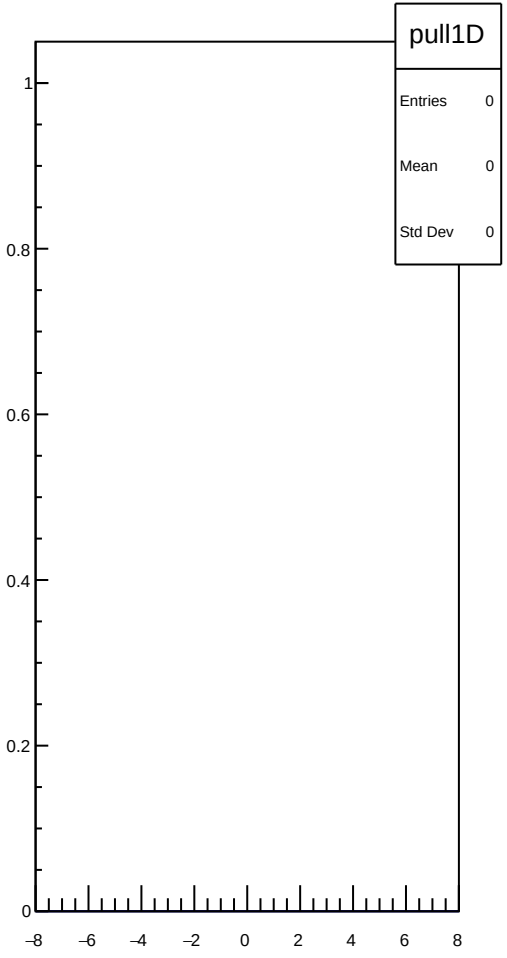

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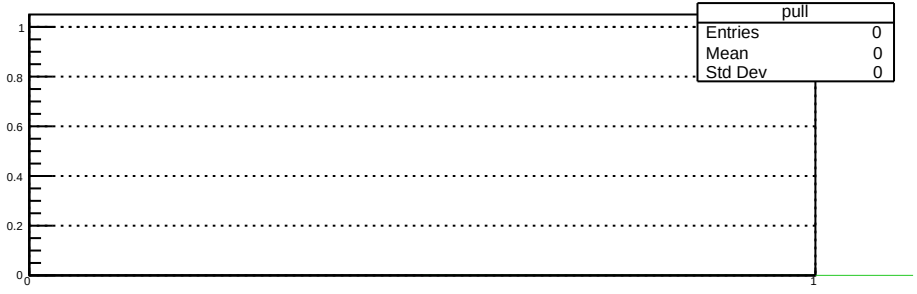

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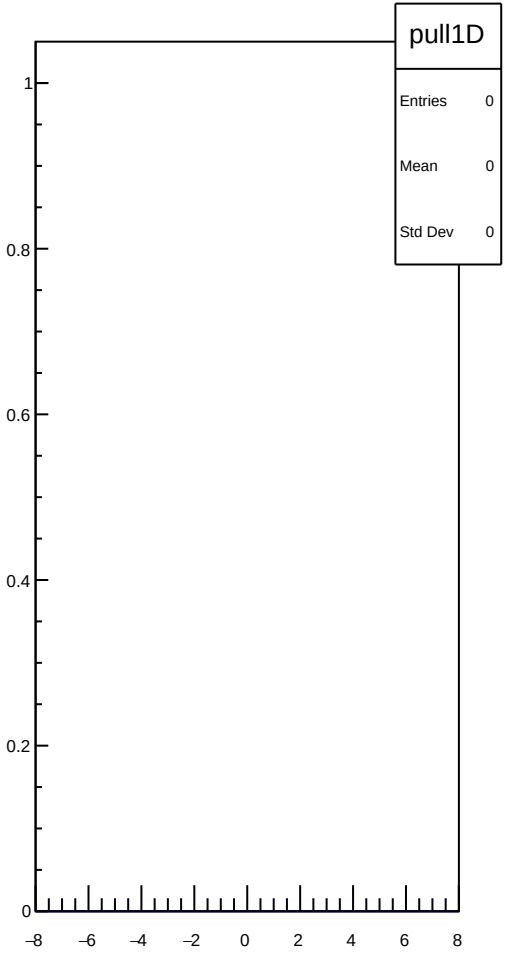

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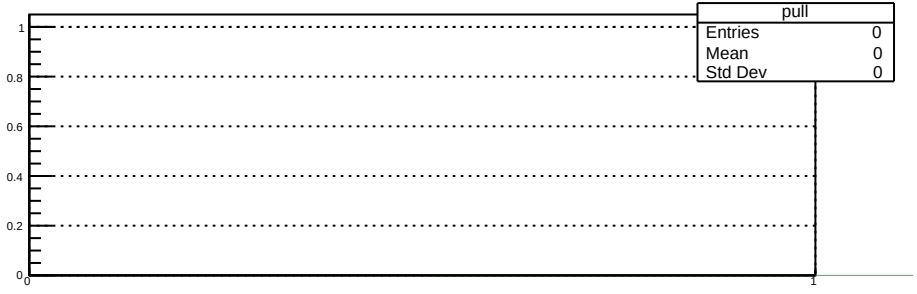

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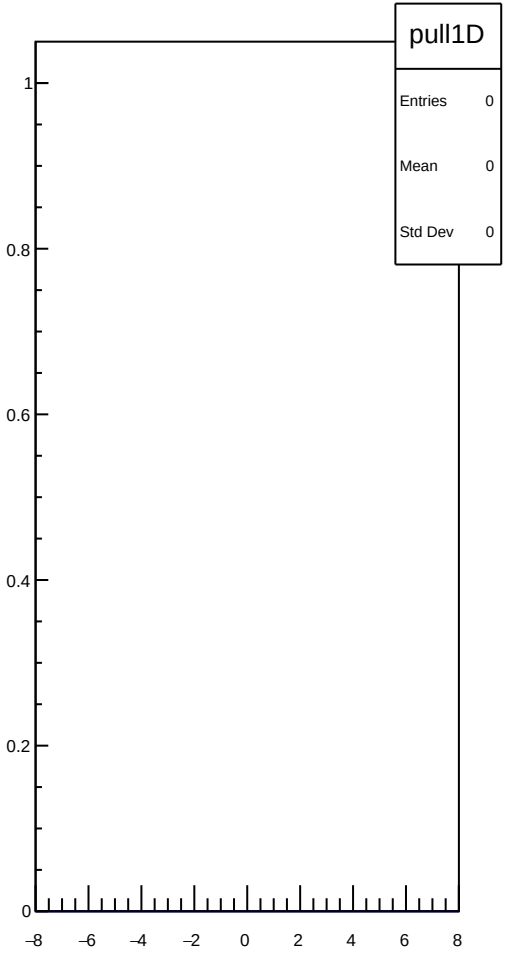

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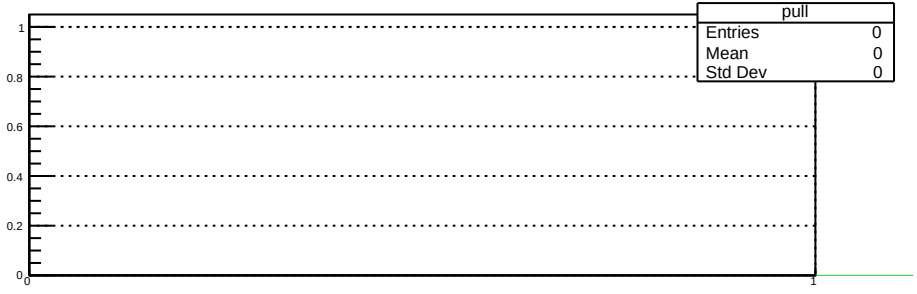

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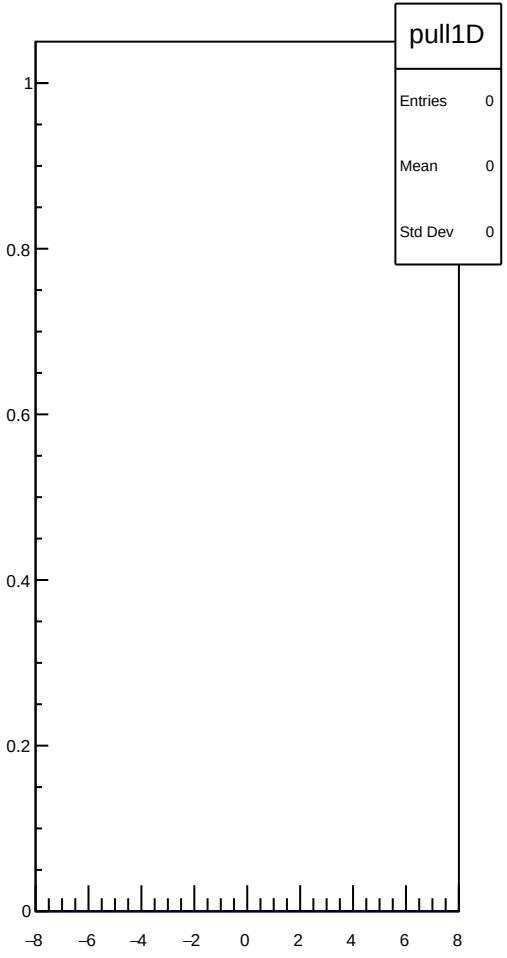

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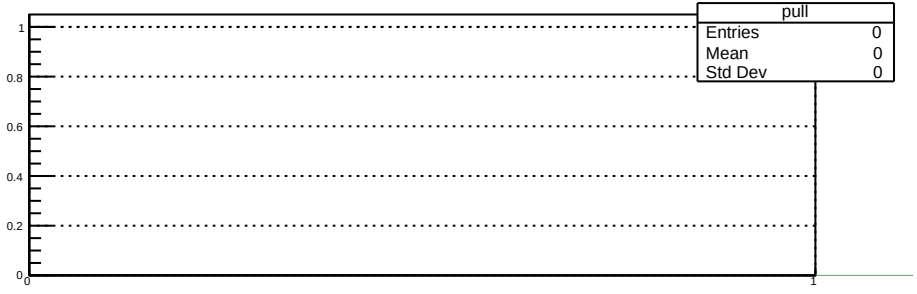

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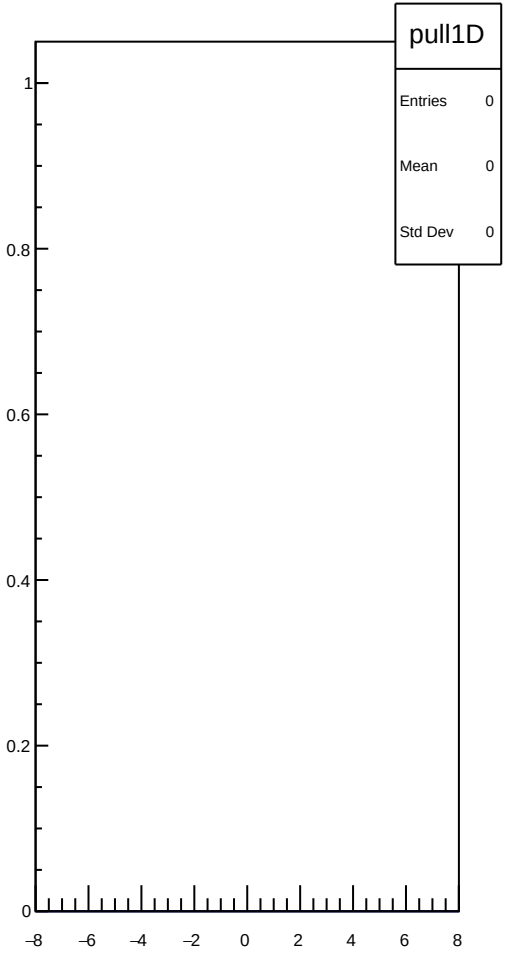

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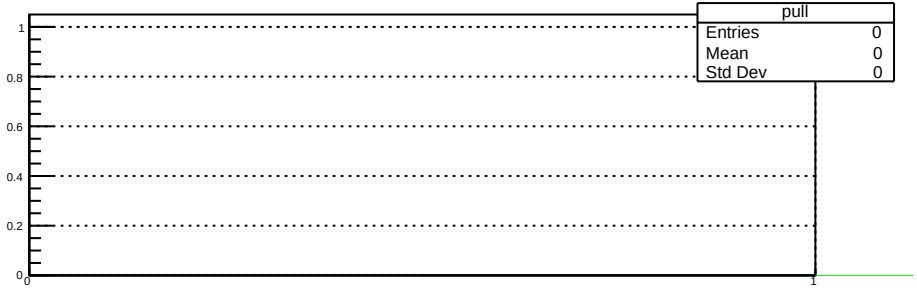

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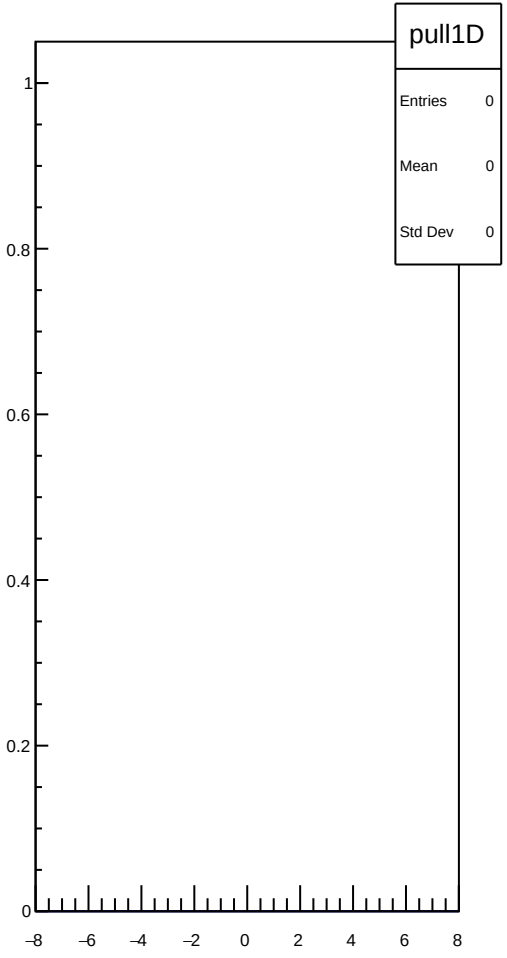

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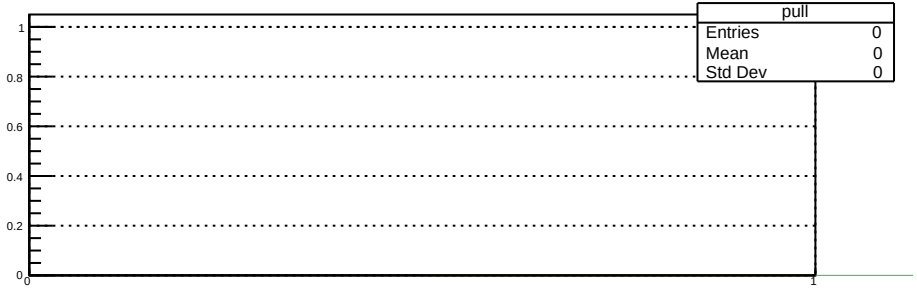

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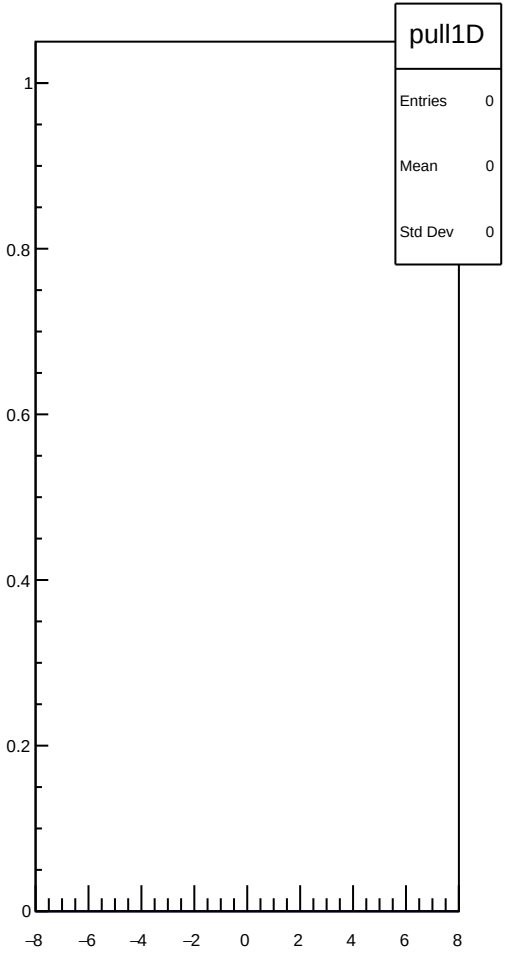

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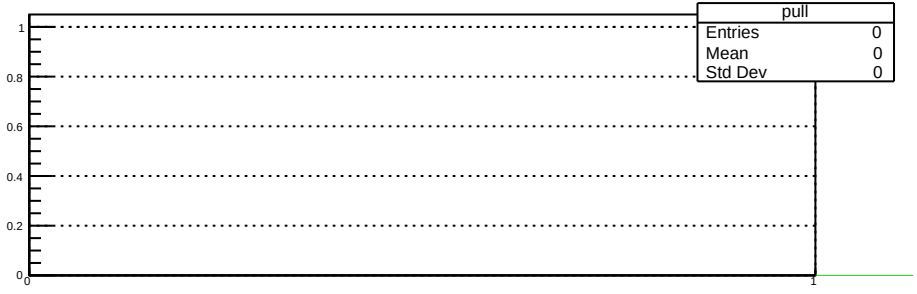

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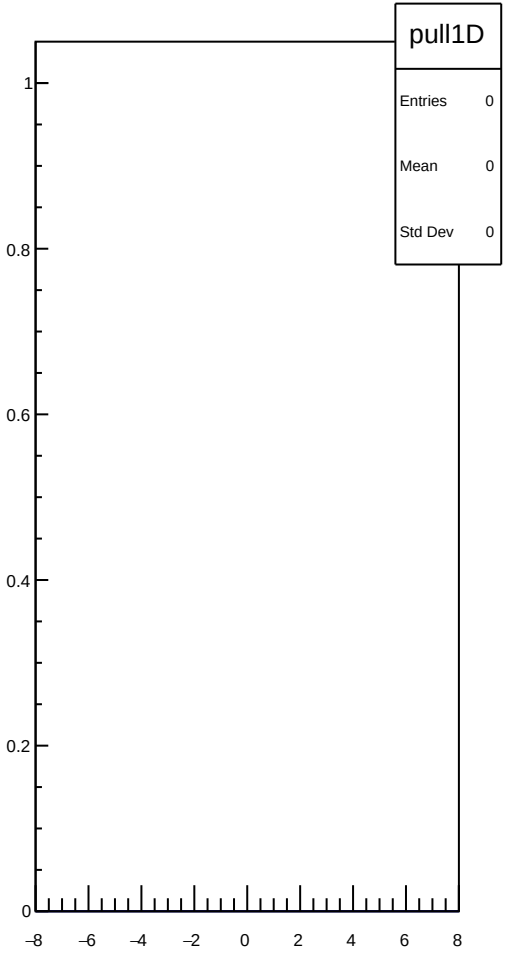

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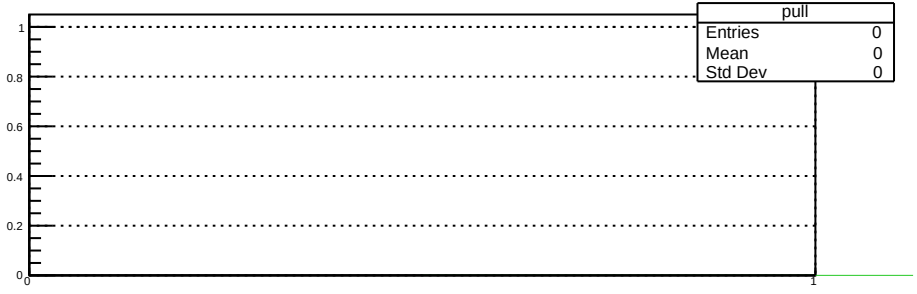

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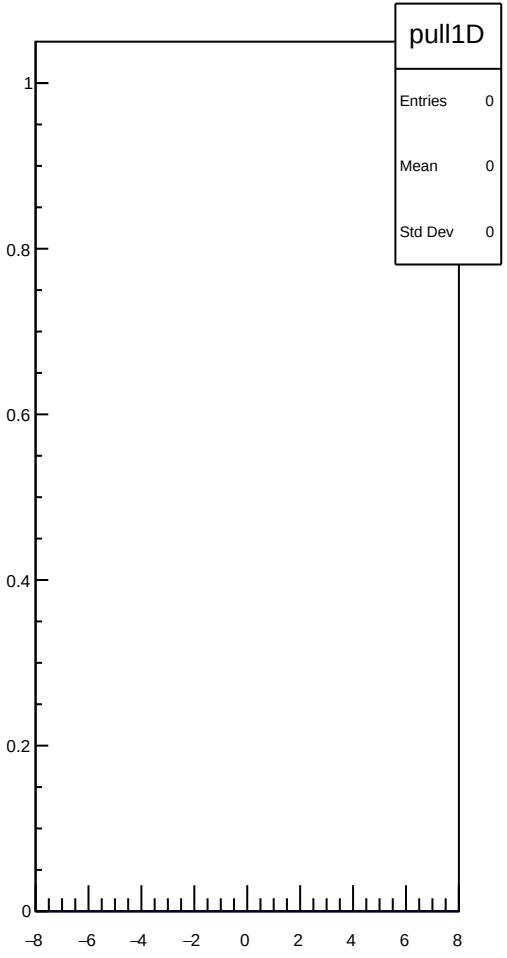

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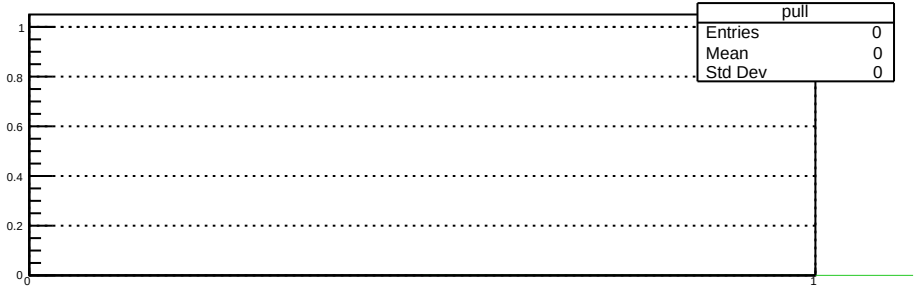

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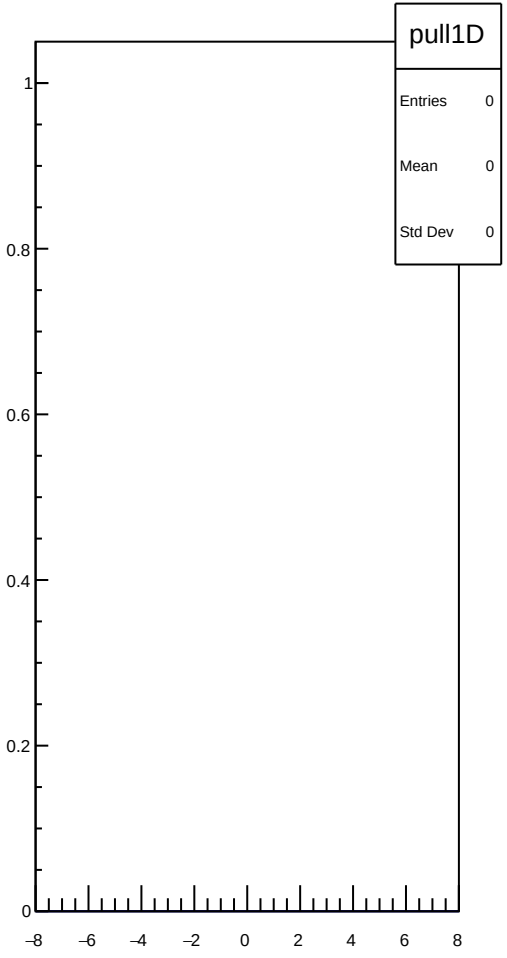

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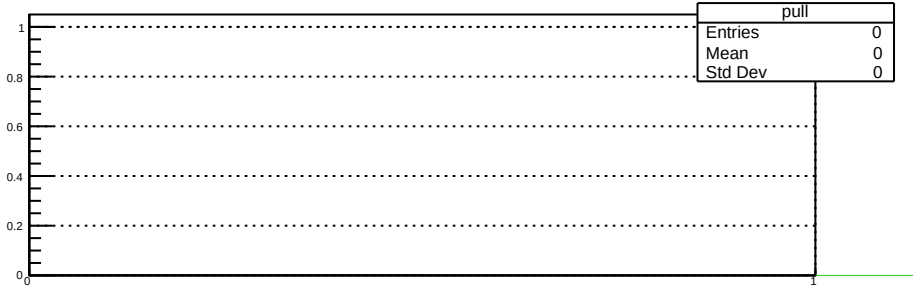

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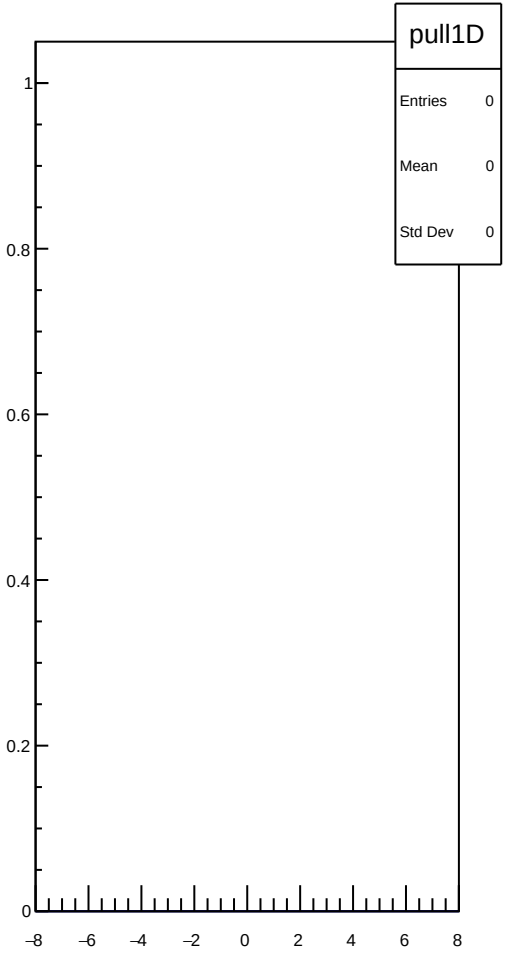

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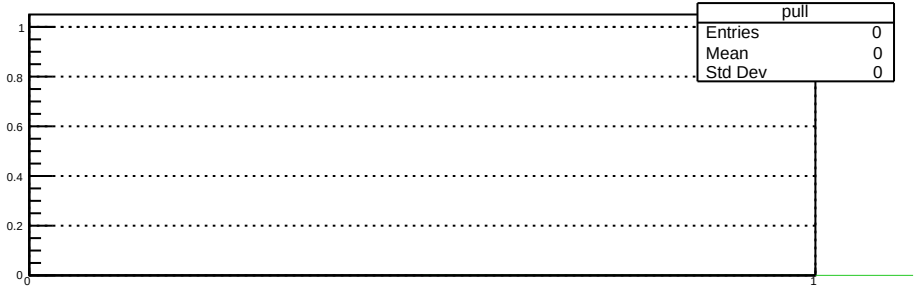

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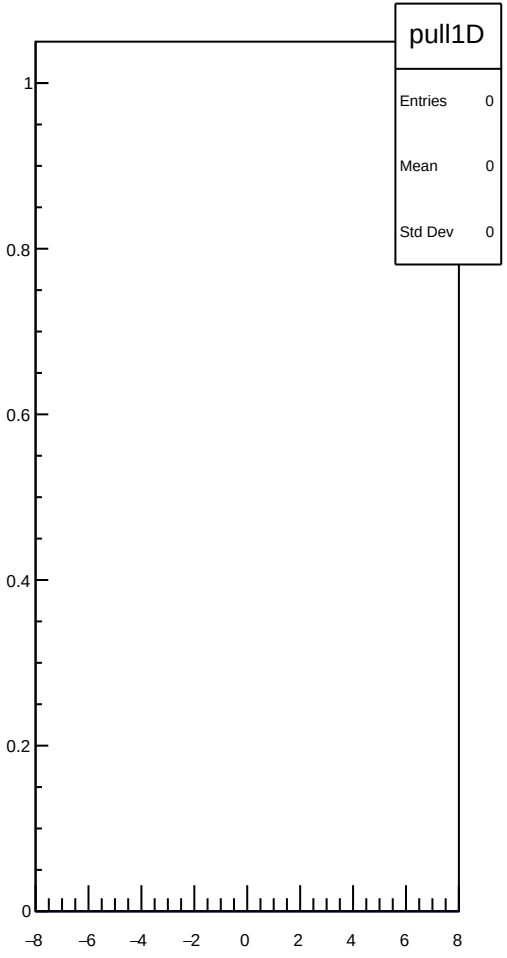

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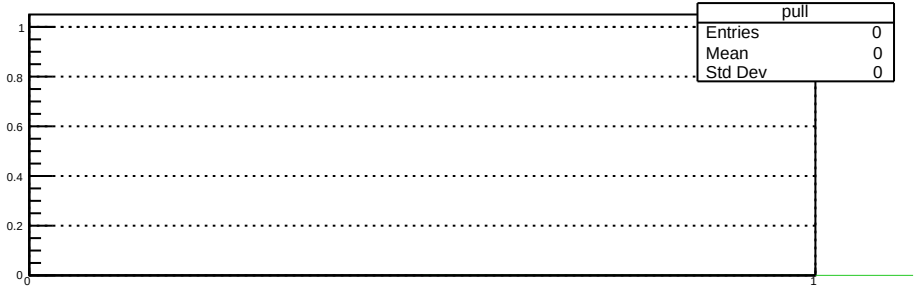

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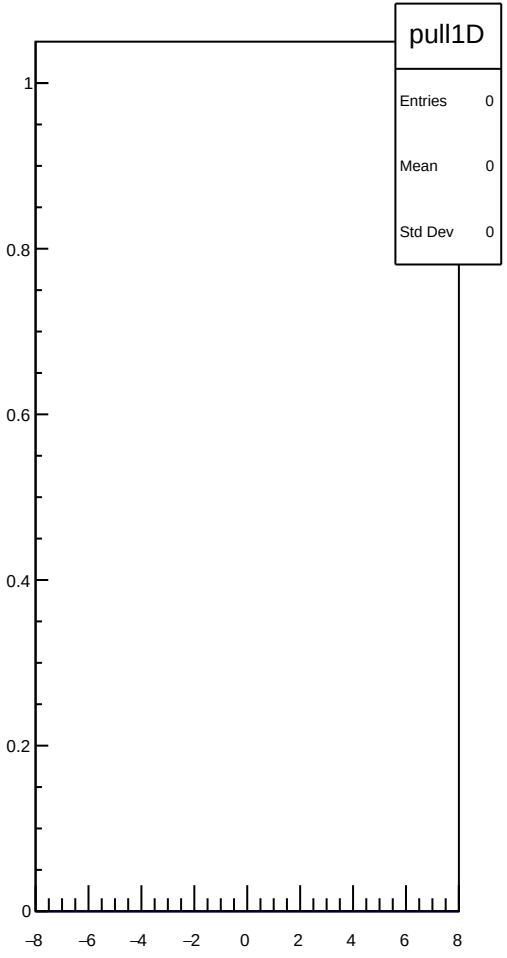

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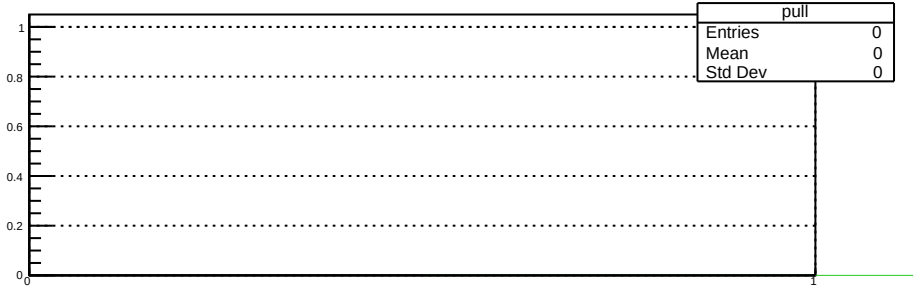

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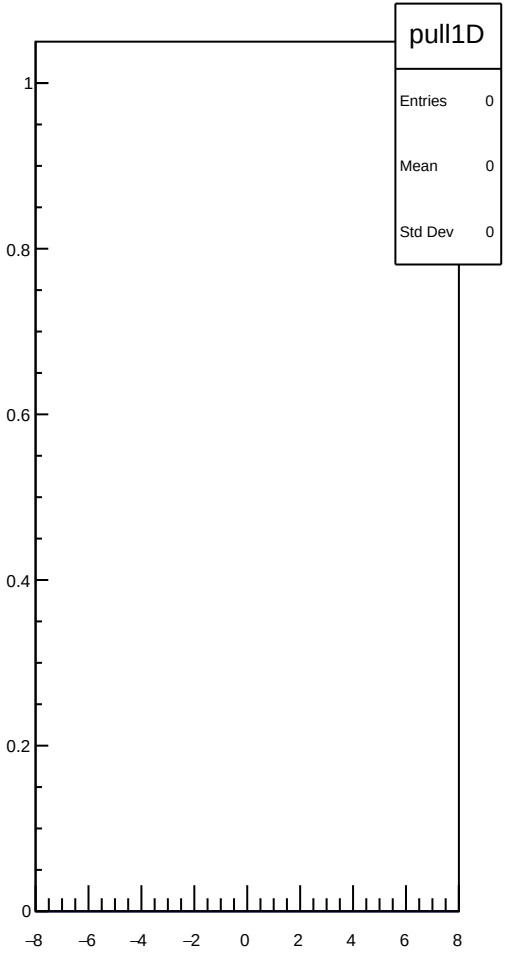

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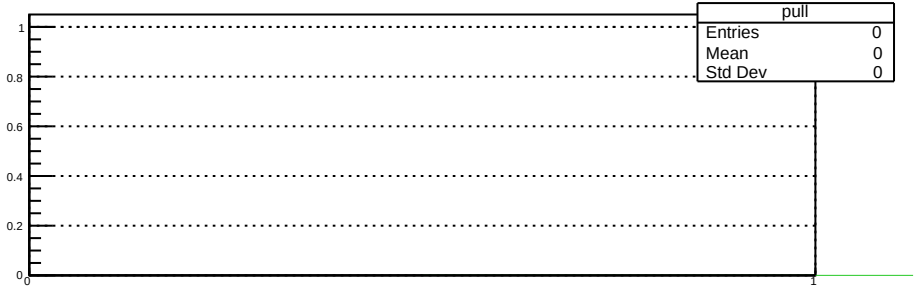

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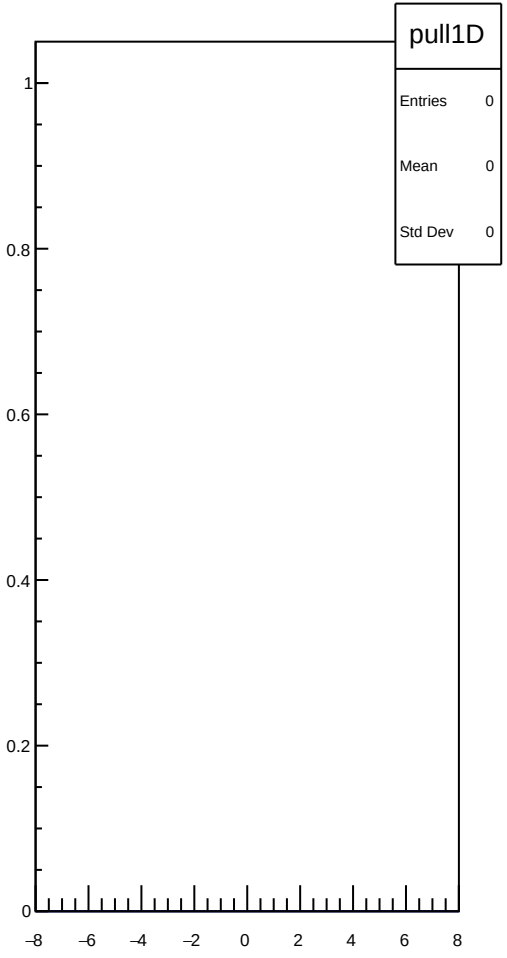

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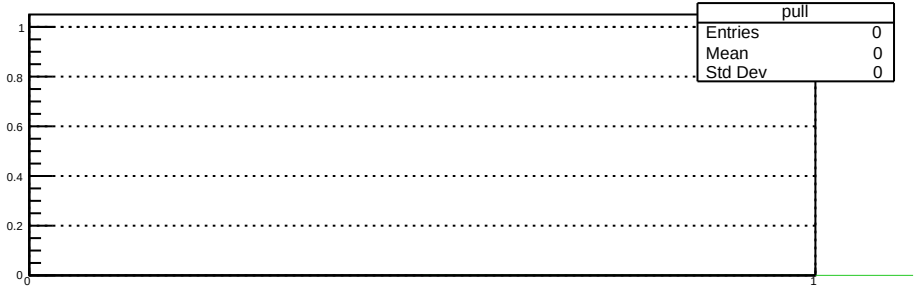

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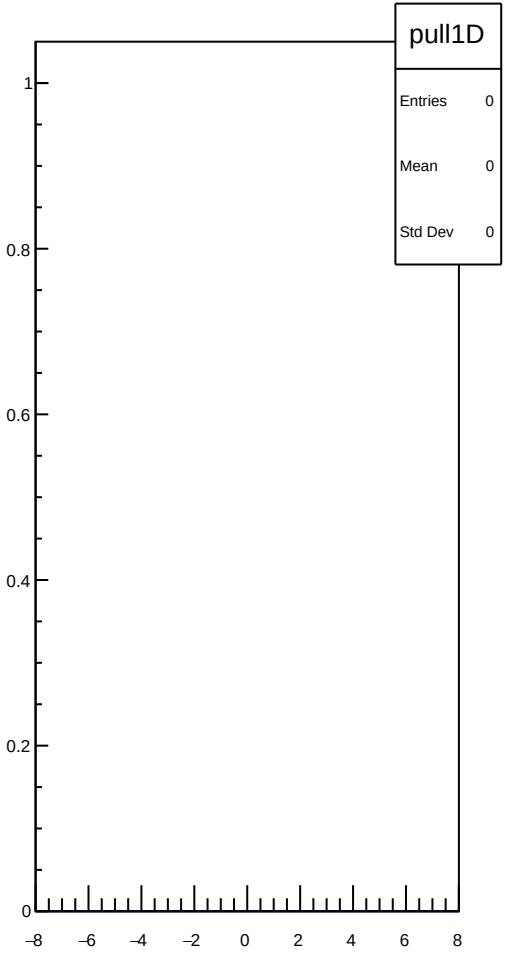

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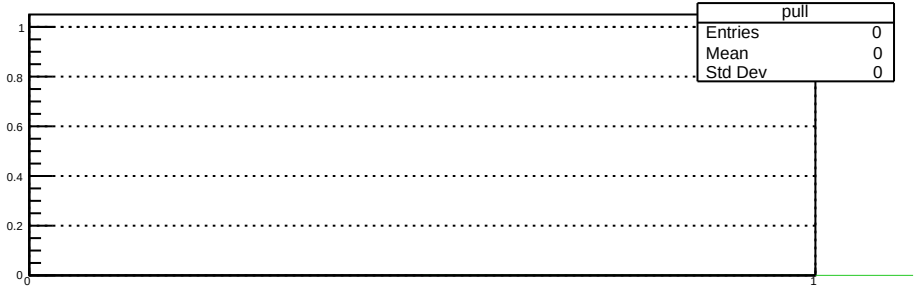

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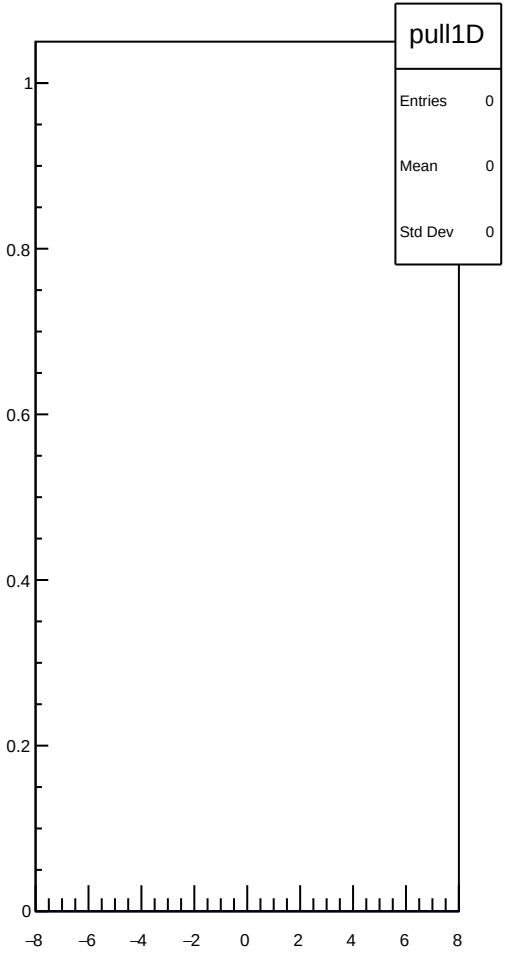

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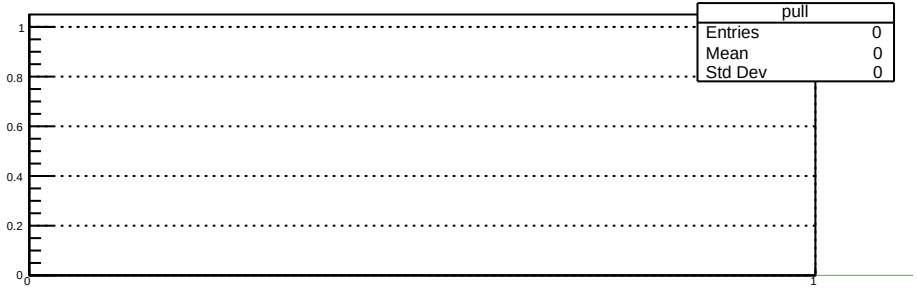

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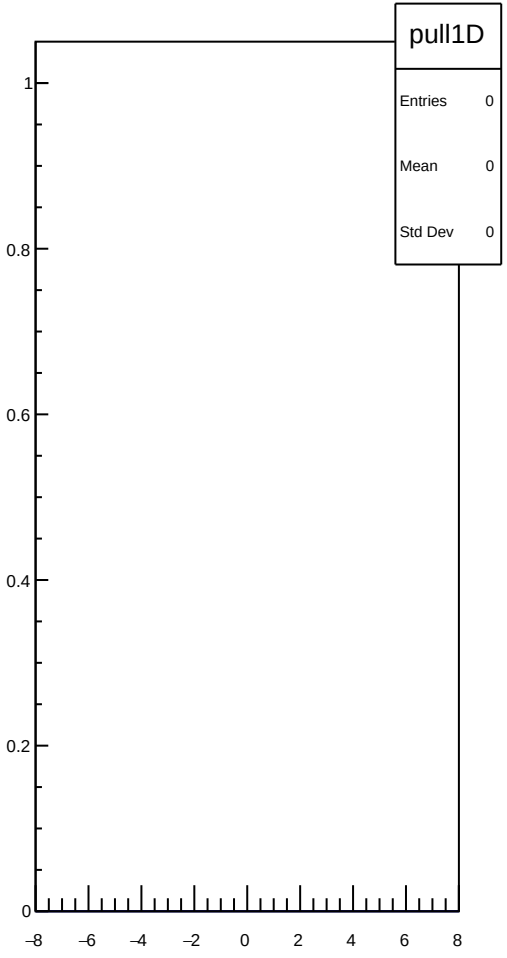

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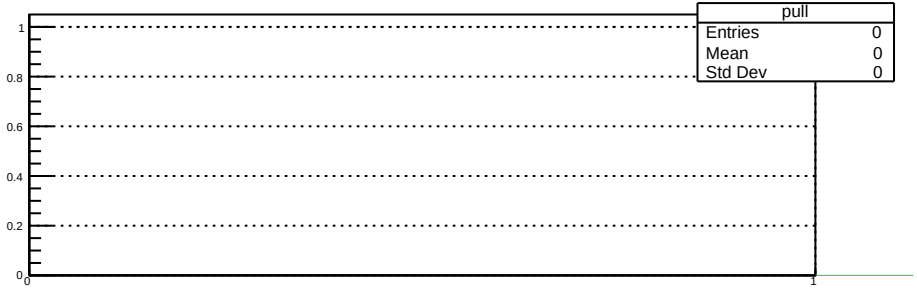

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0
–8
–6
–4
–2
0
2
4
6
8

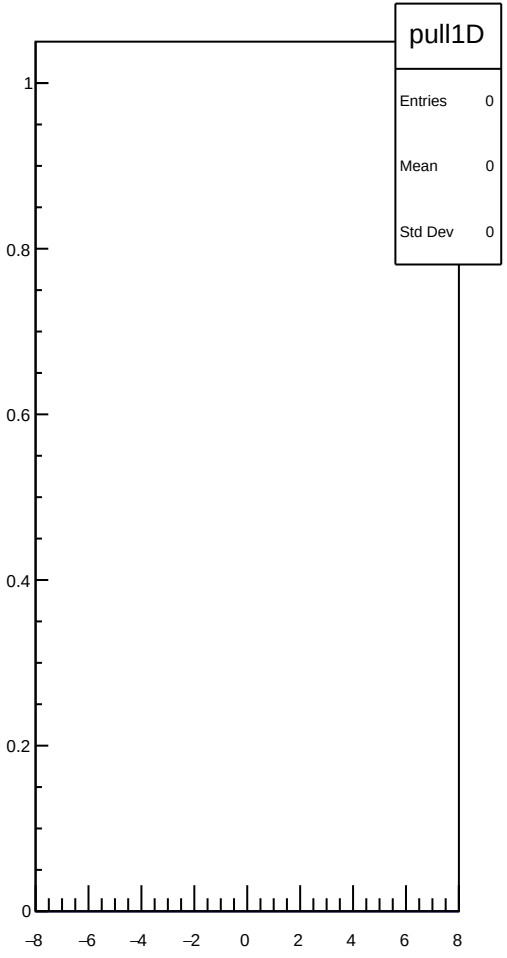

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

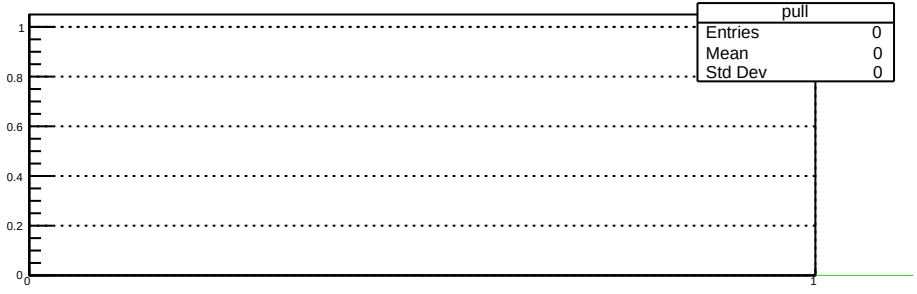

pull1D
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

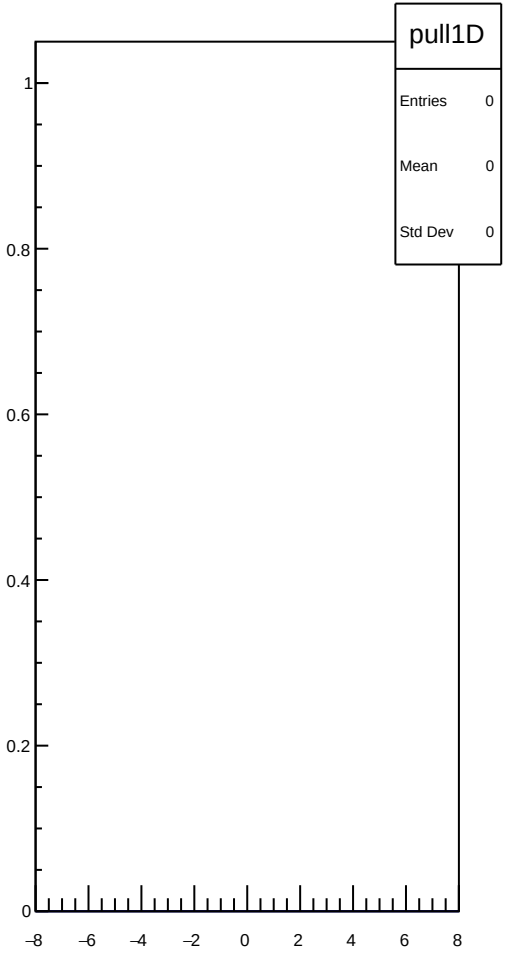

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

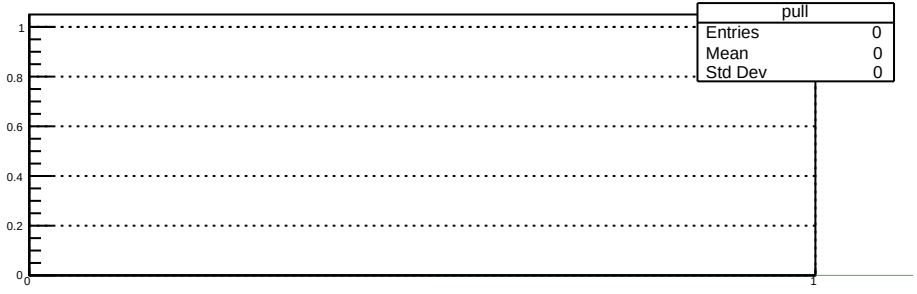

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

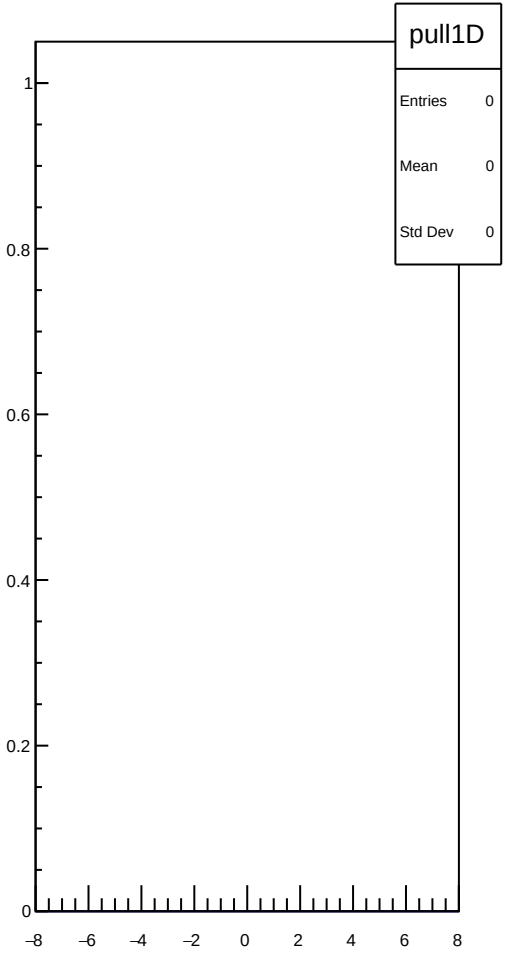

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

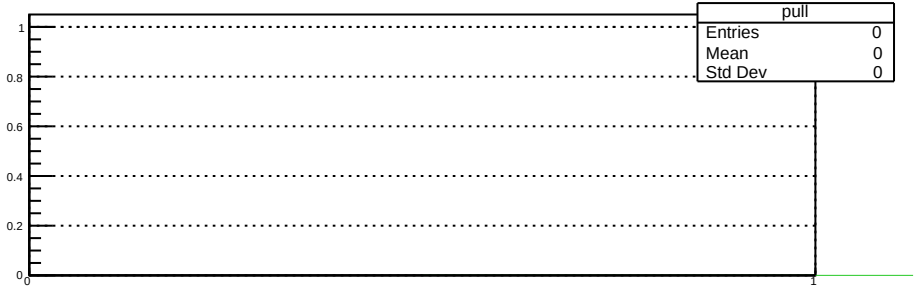

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

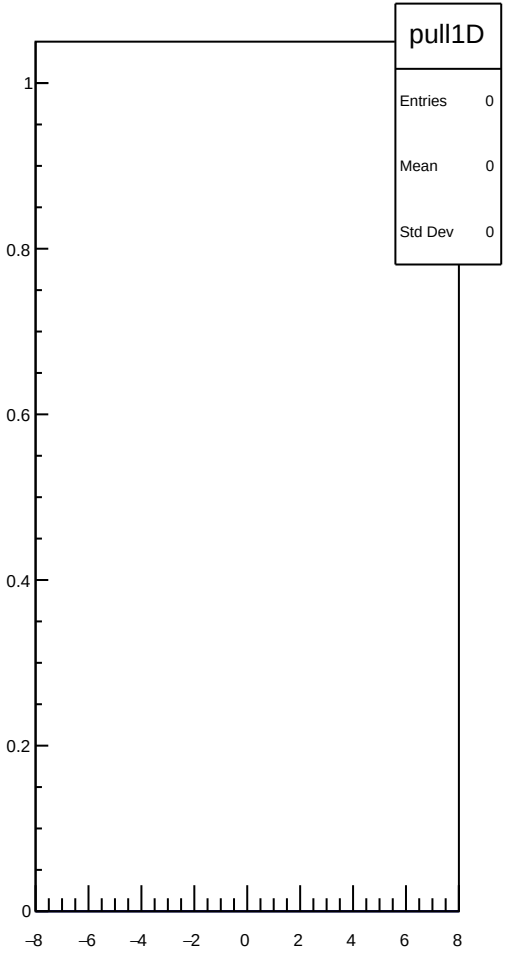

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

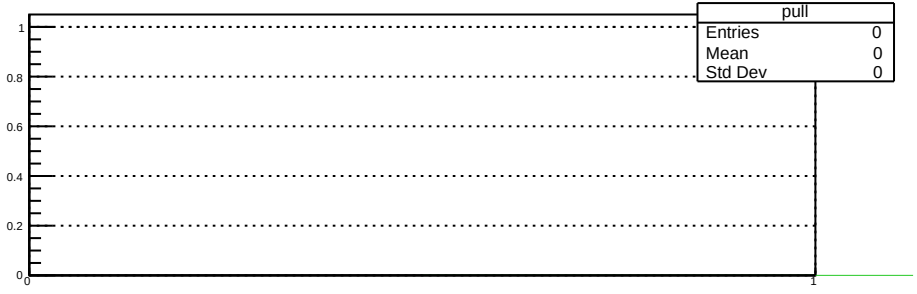

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

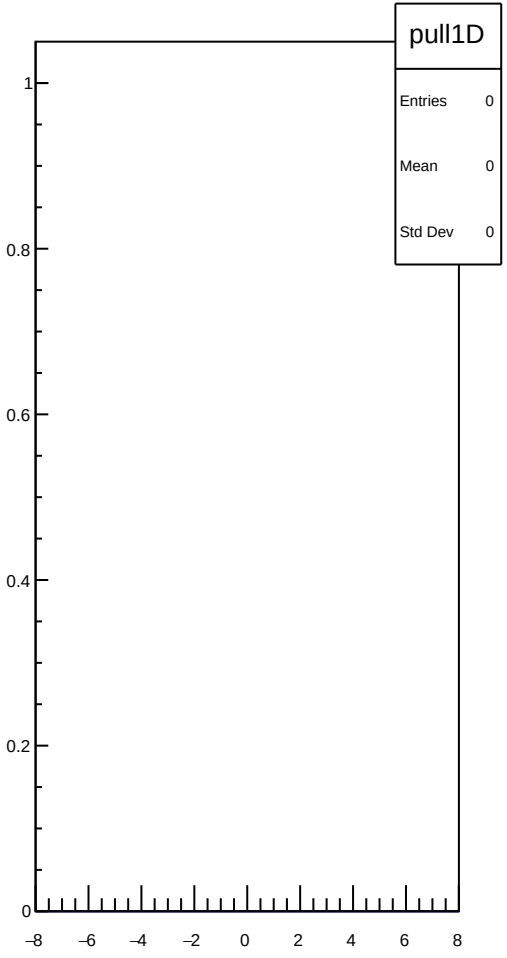

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

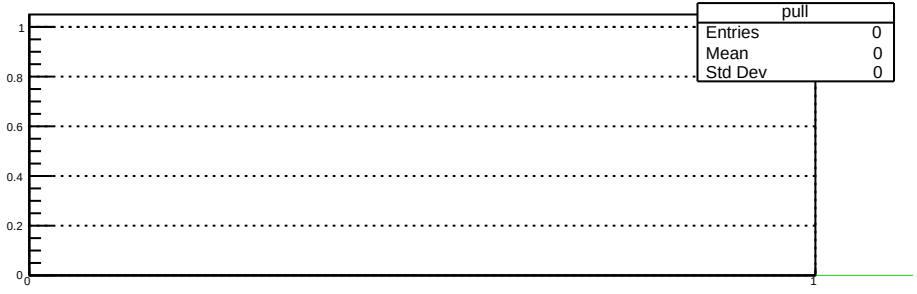

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–6
–4
–2
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2
4
6
8

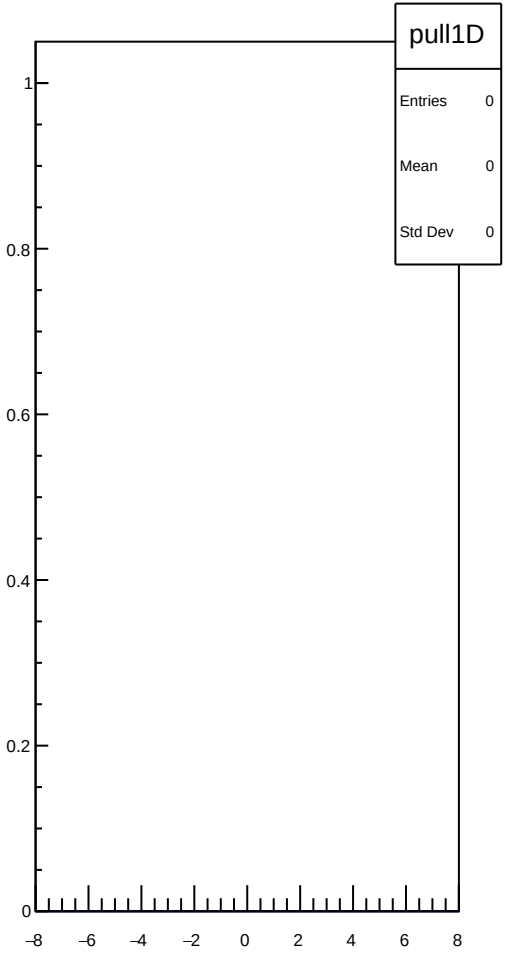

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

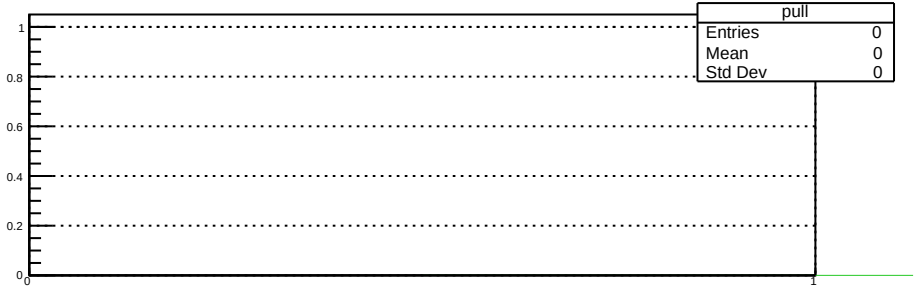

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

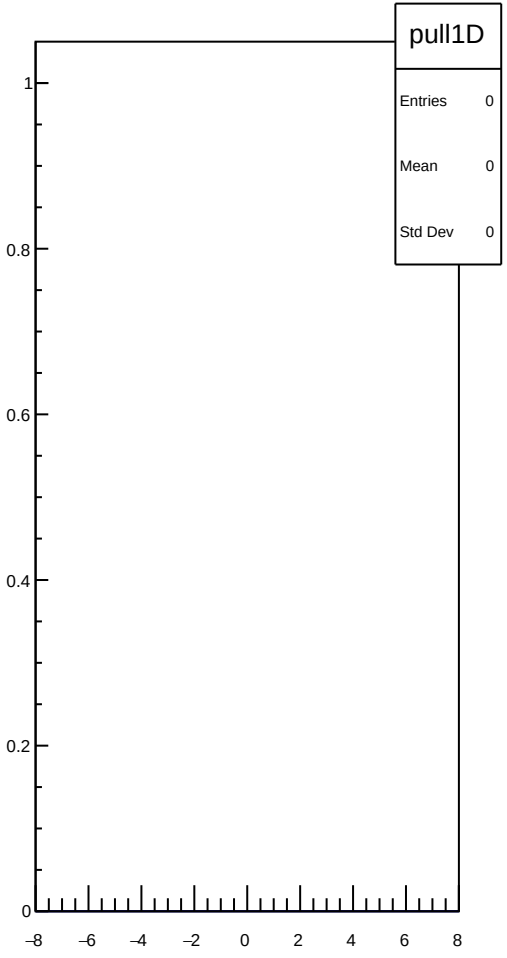

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

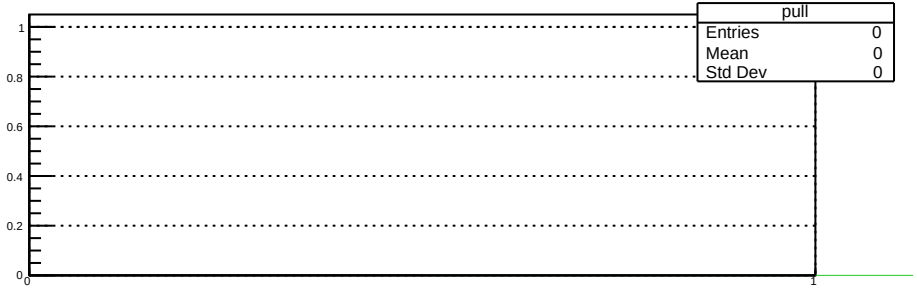

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

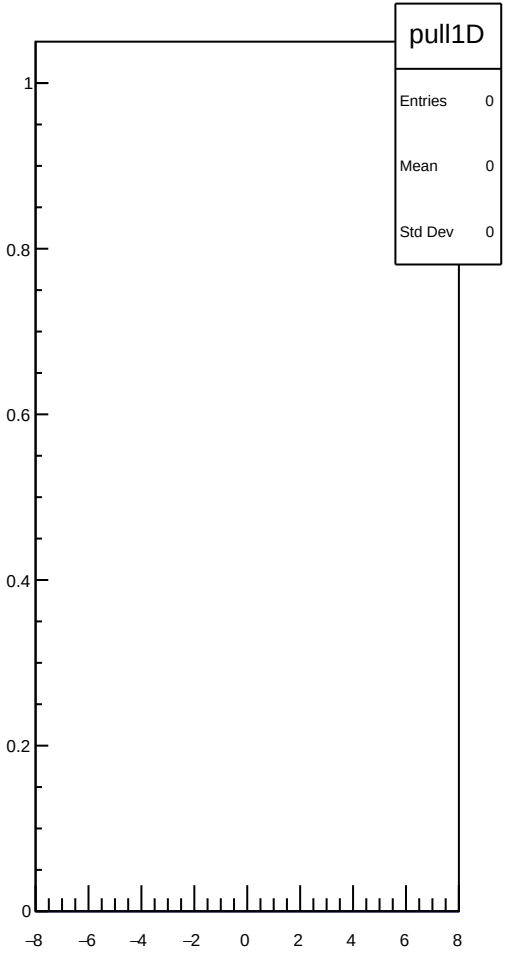

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

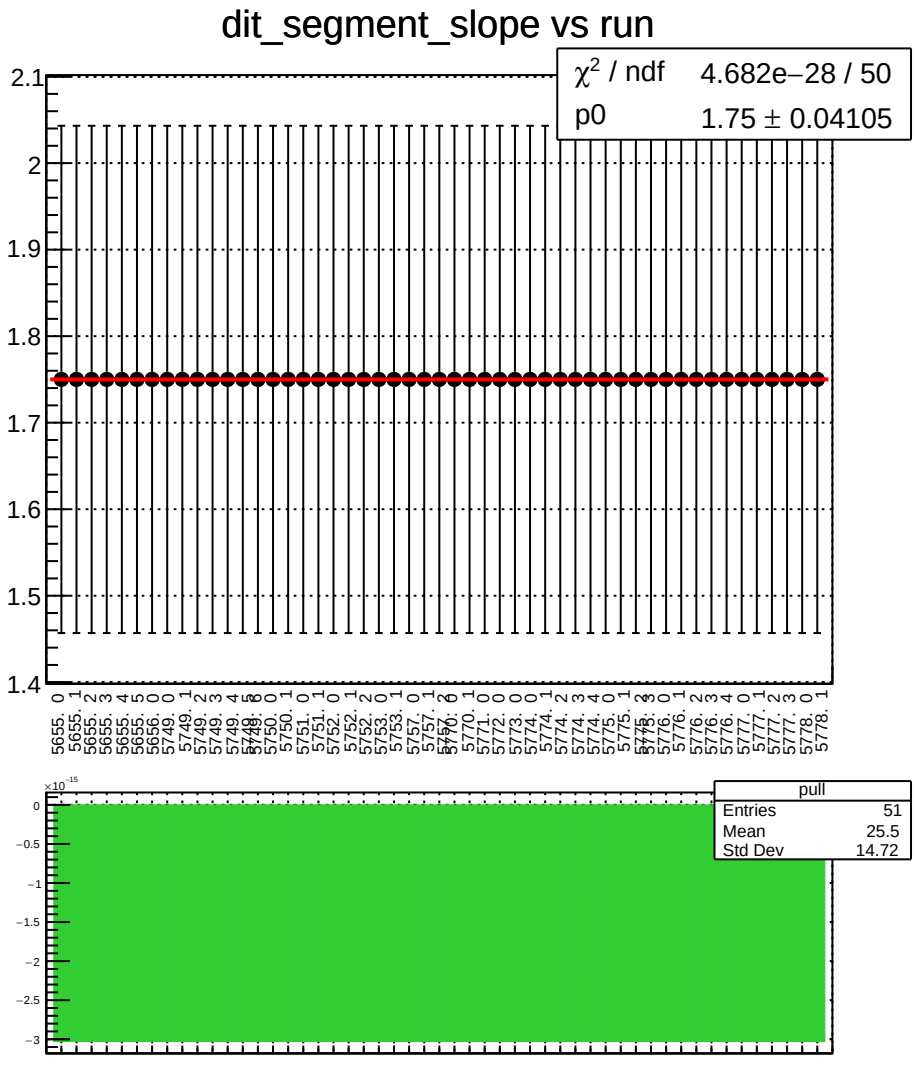

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

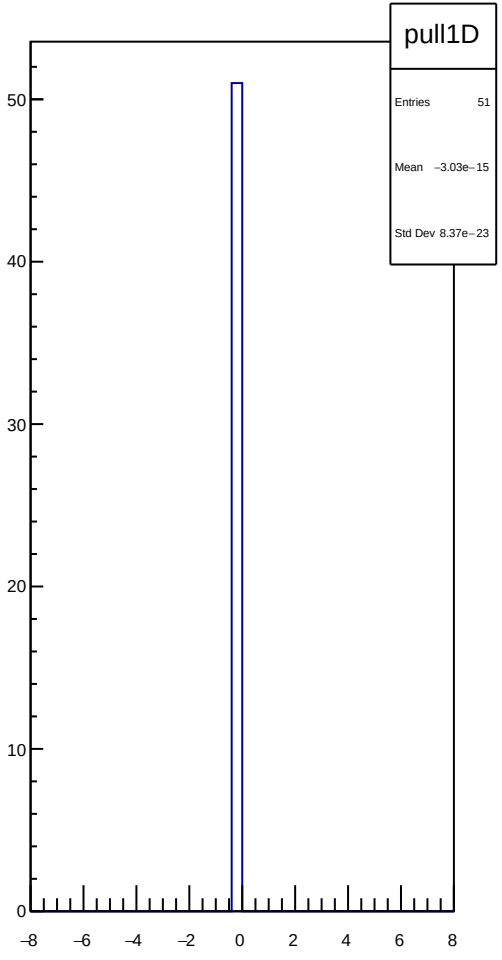

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

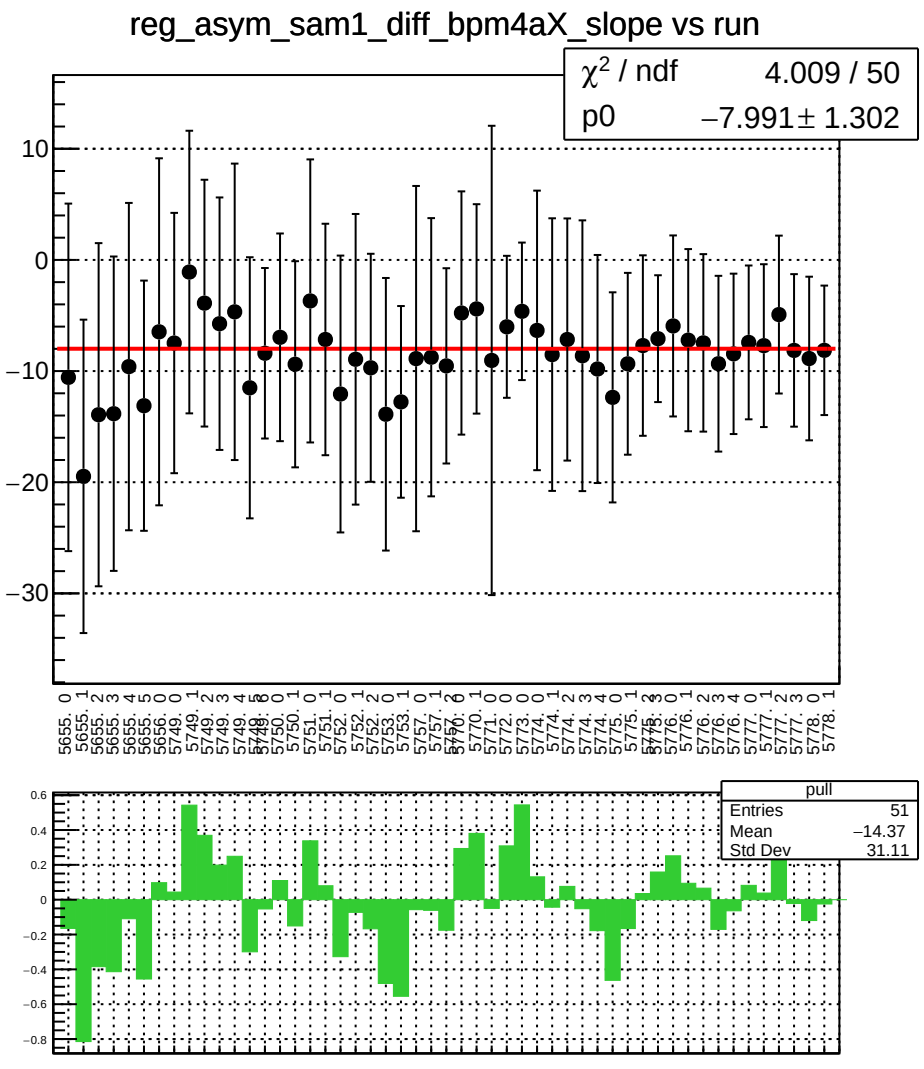

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

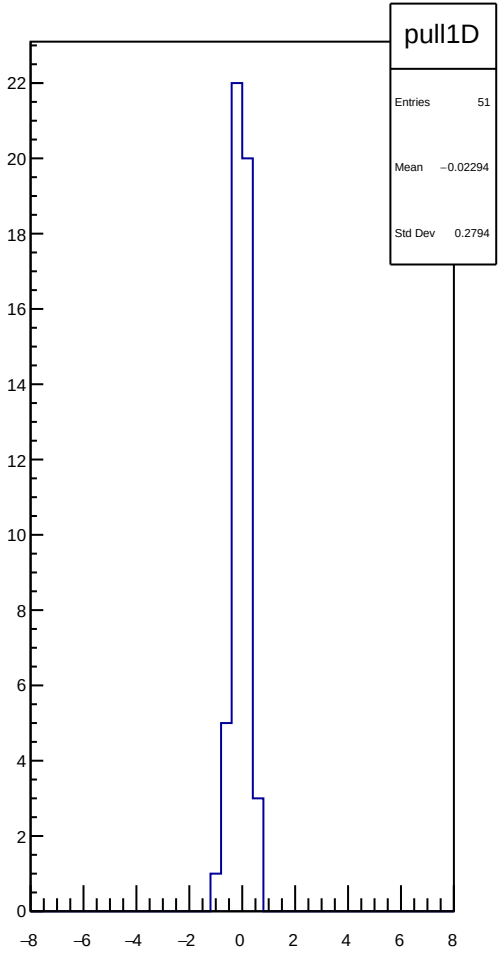

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

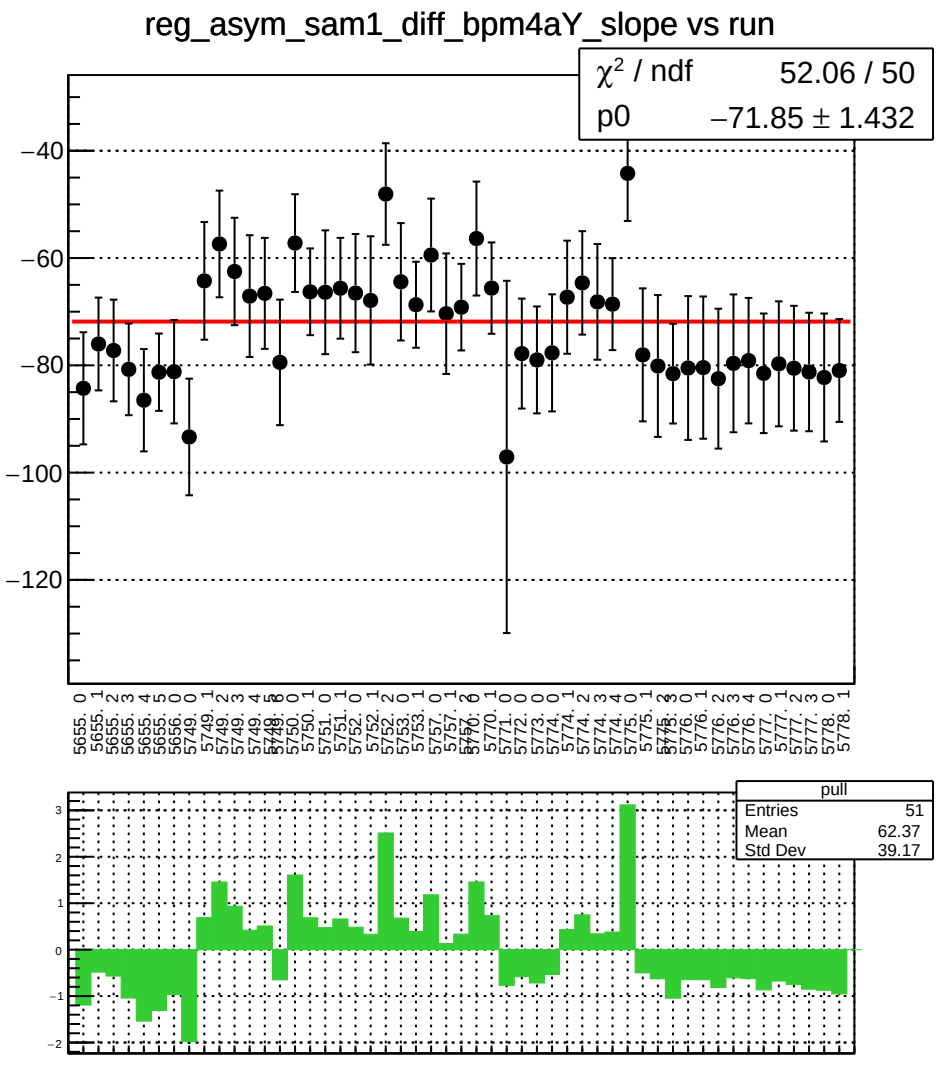

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

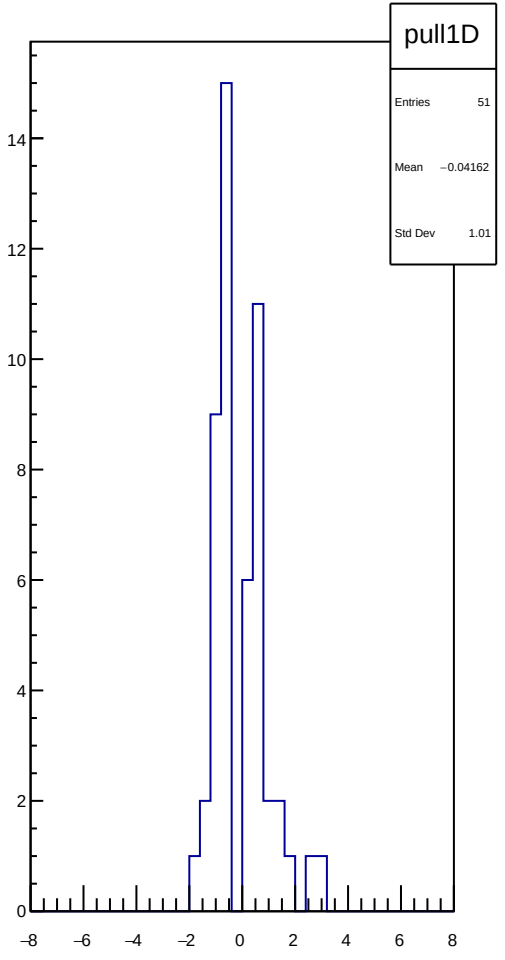

dit_segment_slope vs run
χ^2 / ndf 4.682e−28 / 50
p0 1.75 ± 0.04105
pull
Entries 51
Mean 25.5
Std Dev 14.72

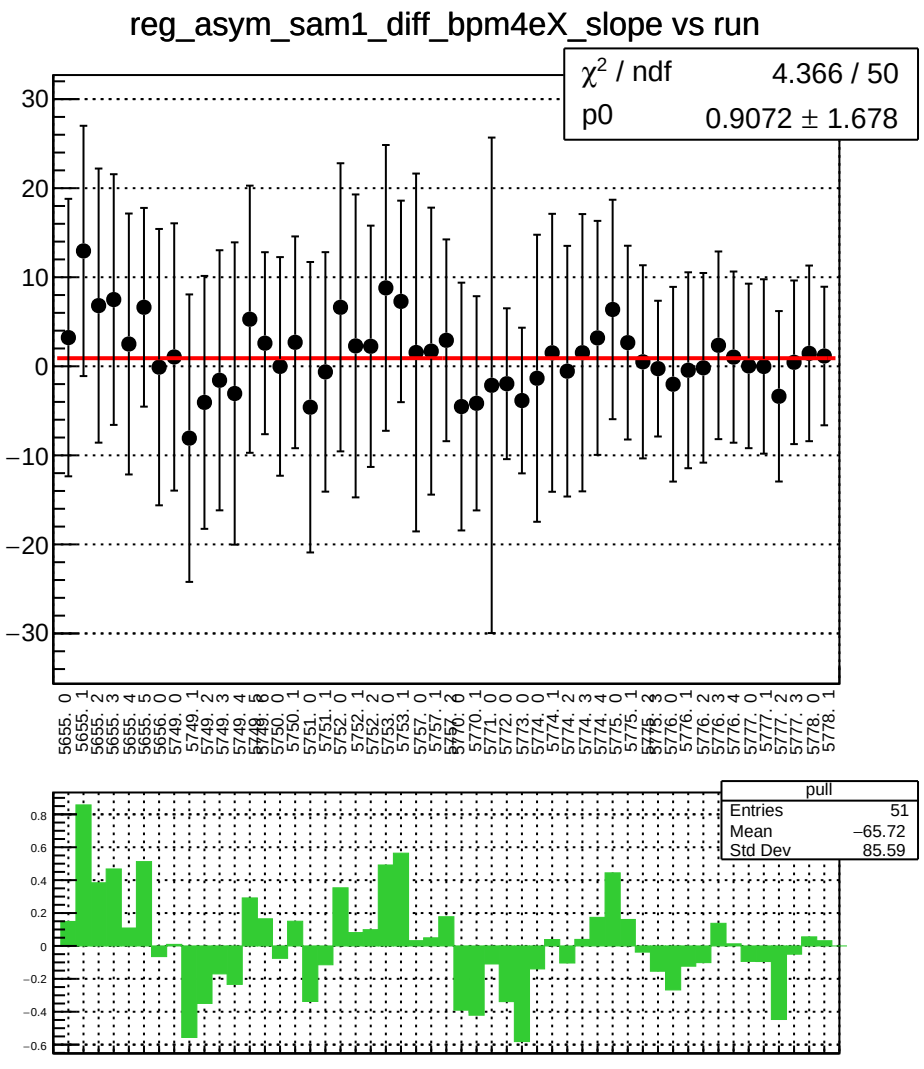

pull1D
Entries 51
Mean −3.03e−15
Std Dev 8.37e−23

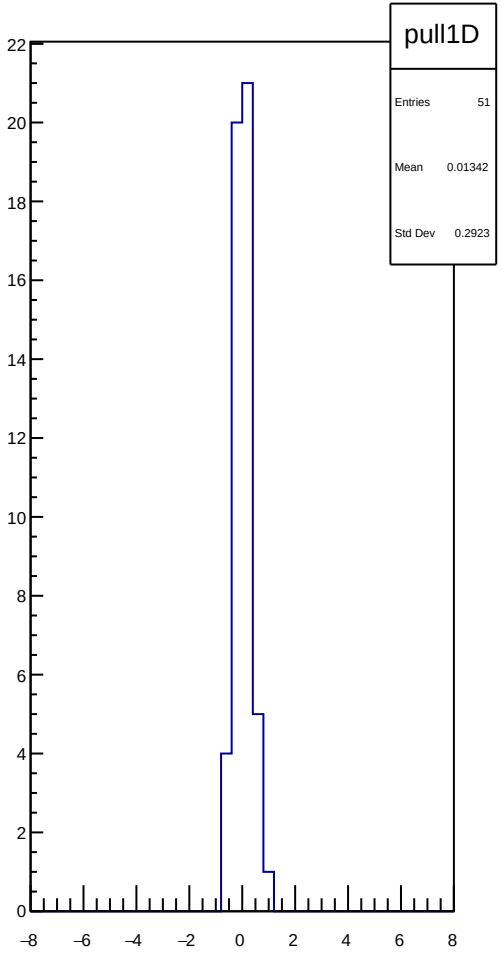

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 4.009 / 50
p0 −7.991 ± 1.302
pull
Entries 51
Mean −14.37
Std Dev 31.11

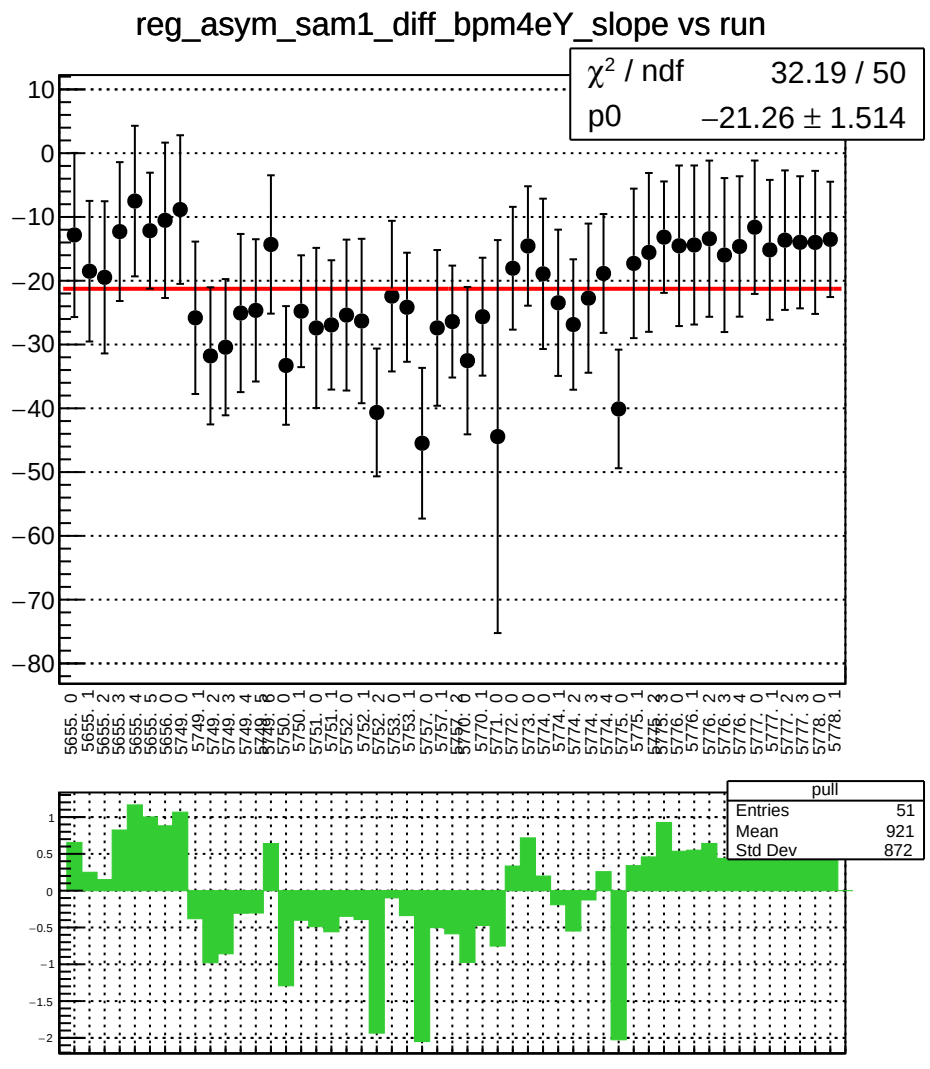

pull1D
Entries 51
Mean −0.02294
Std Dev 0.2794

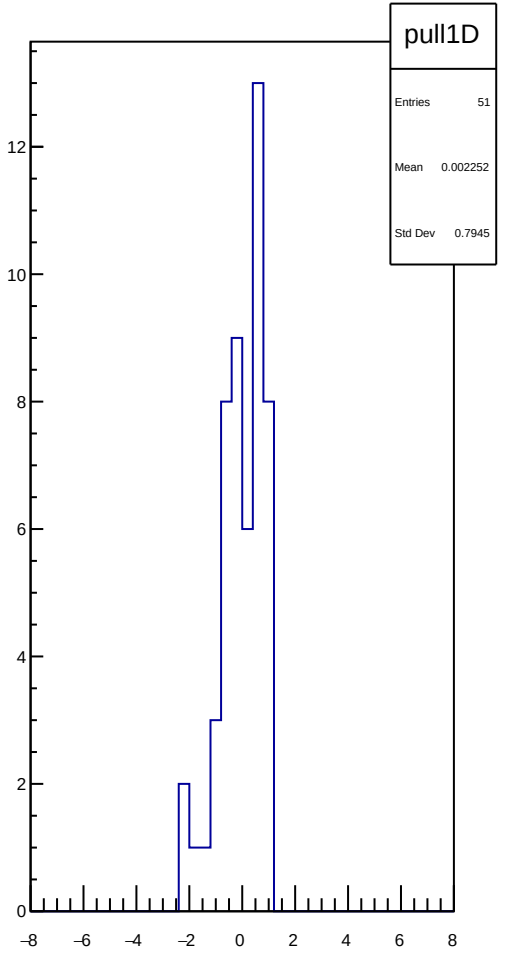

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 52.06 / 50
p0 −71.85 ± 1.432
pull
Entries 51
Mean 62.37
Std Dev 39.17

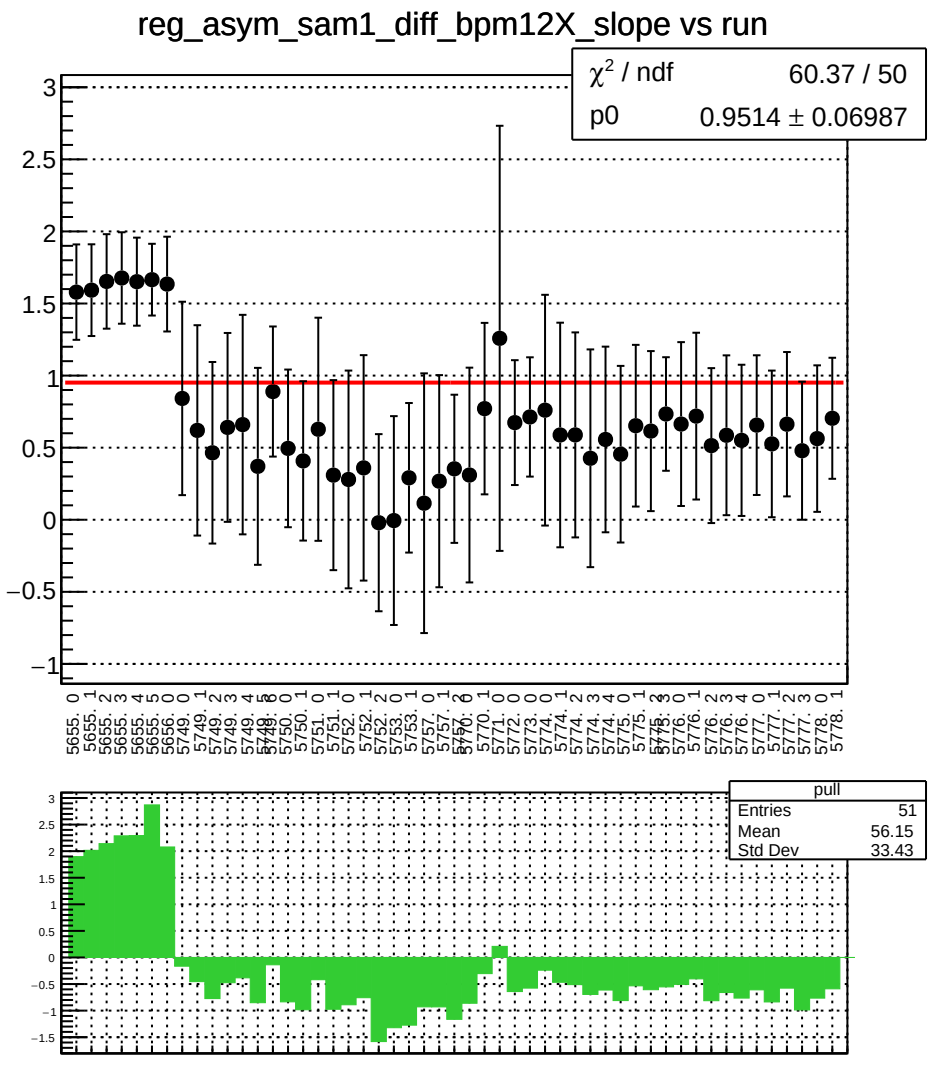

pull1D
Entries 51
Mean −0.04162
Std Dev 1.01

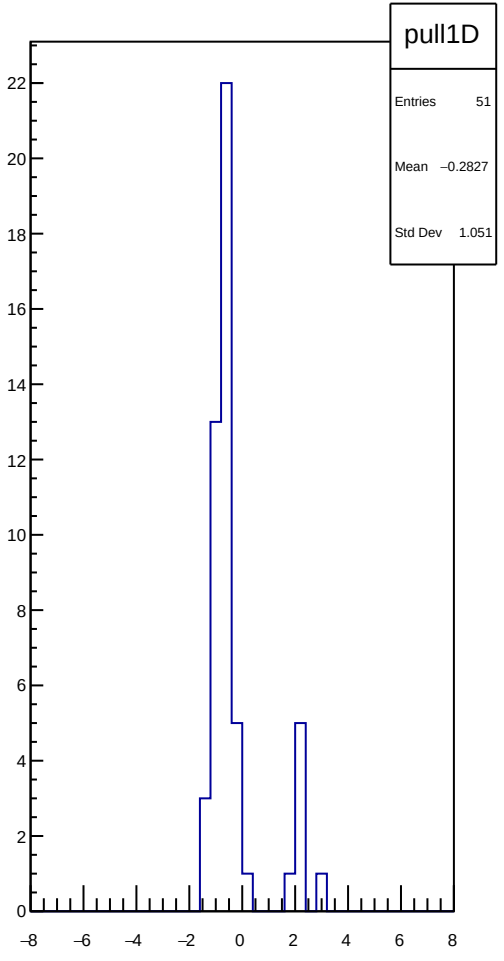

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.366 / 50
p0 0.9072 ± 1.678
pull
Entries 51
Mean −65.72
Std Dev 85.59

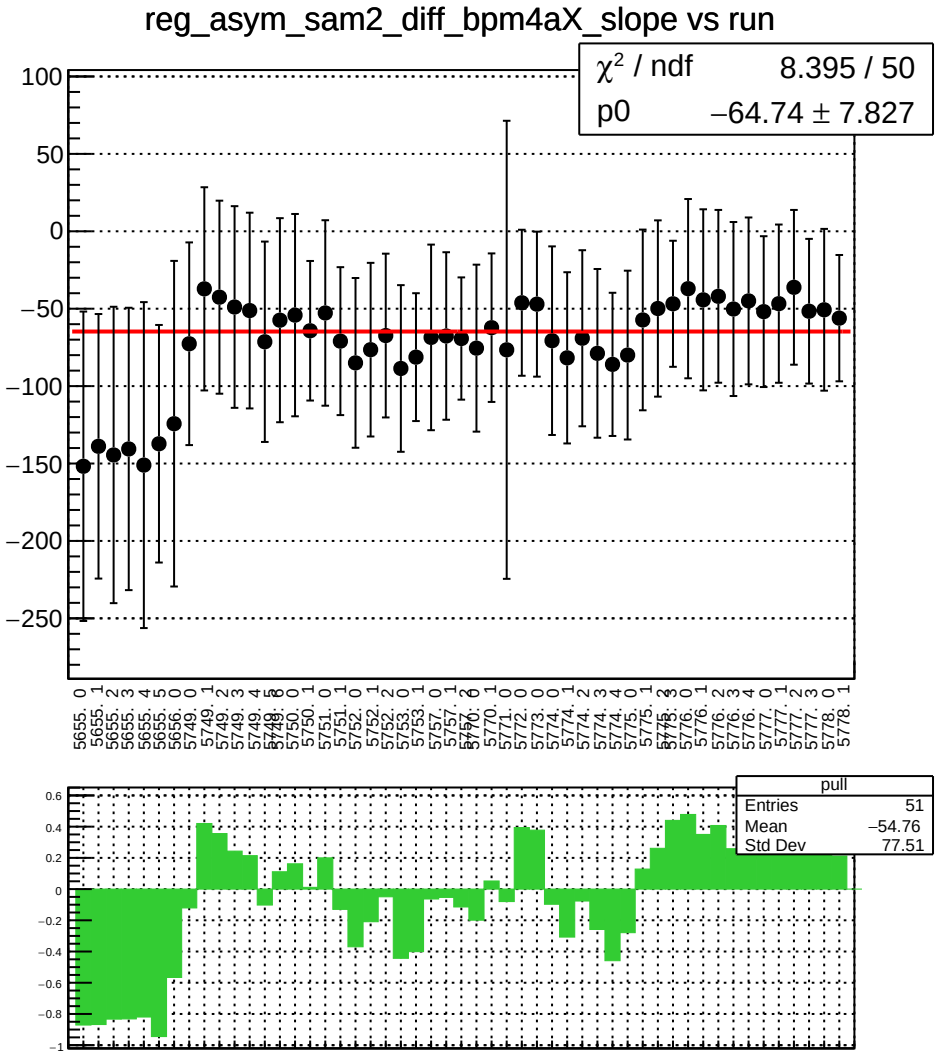

pull1D
Entries 51
Mean 0.01342
Std Dev 0.2923

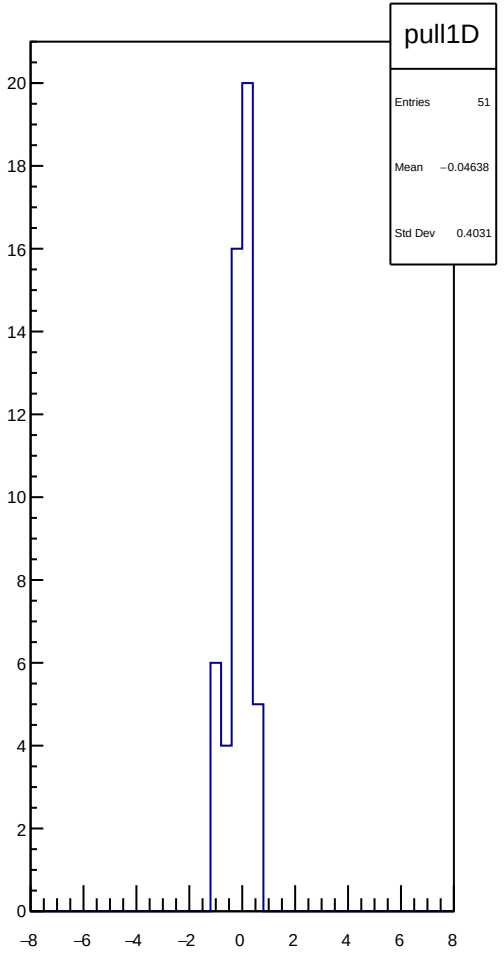

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 32.19 / 50
p0 −21.26 ± 1.514
pull
Entries 51
Mean 921
Std Dev 872

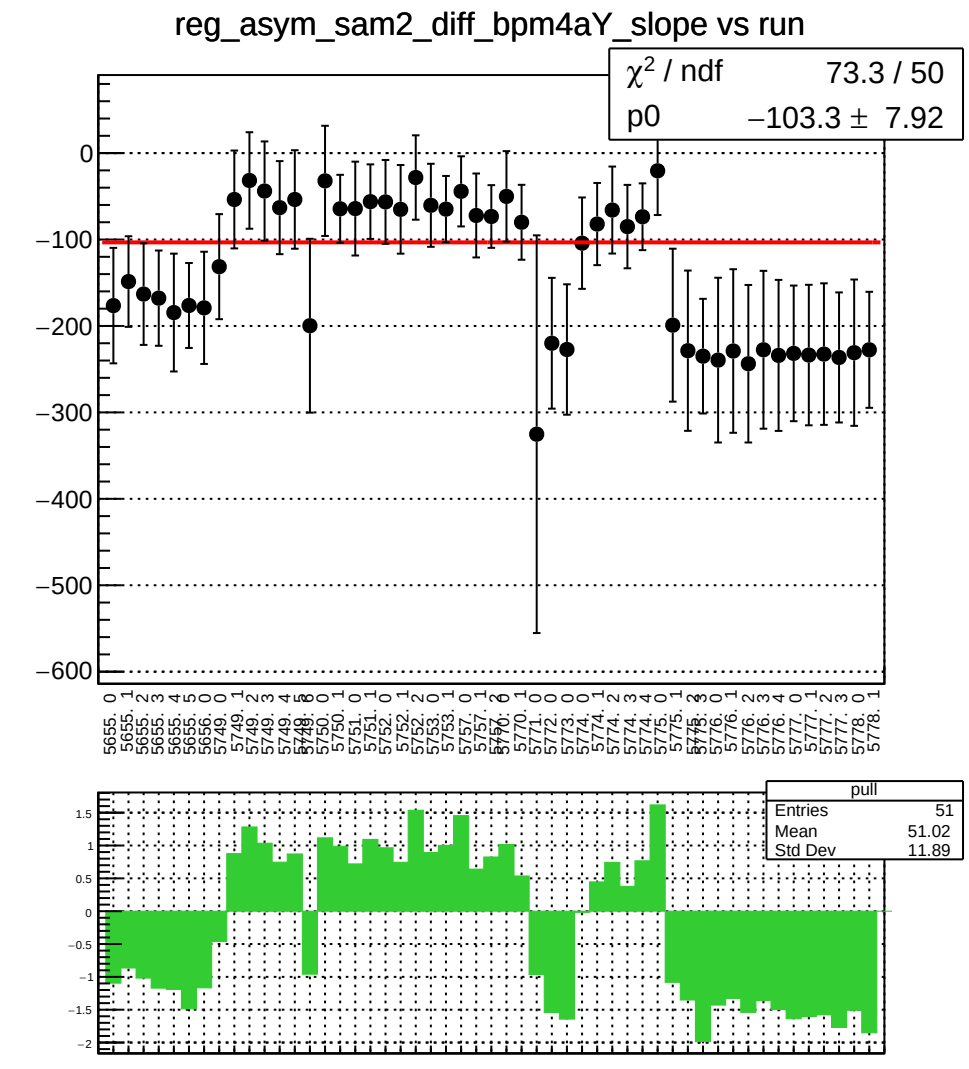

pull1D
Entries 51
Mean 0.002252
Std Dev 0.7945

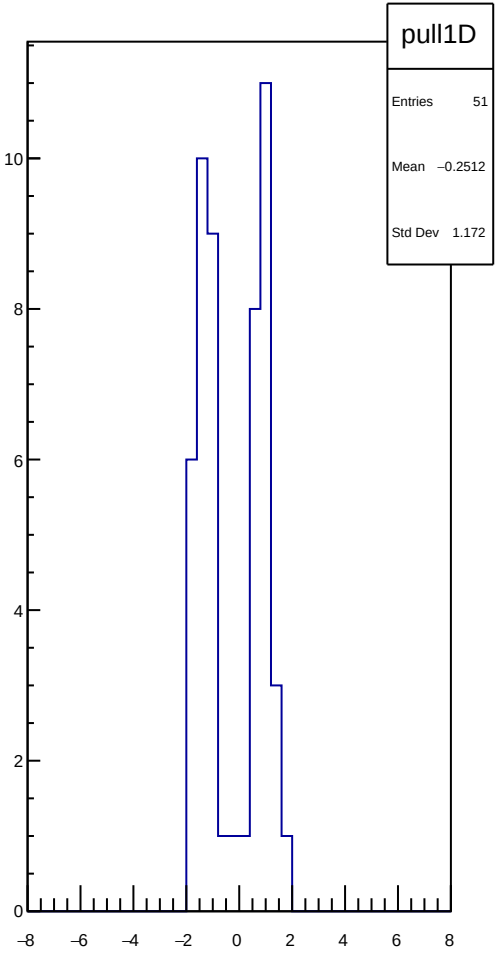

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 60.37 / 50
p0 0.9514 ± 0.06987
pull
Entries 51
Mean 56.15
Std Dev 33.43

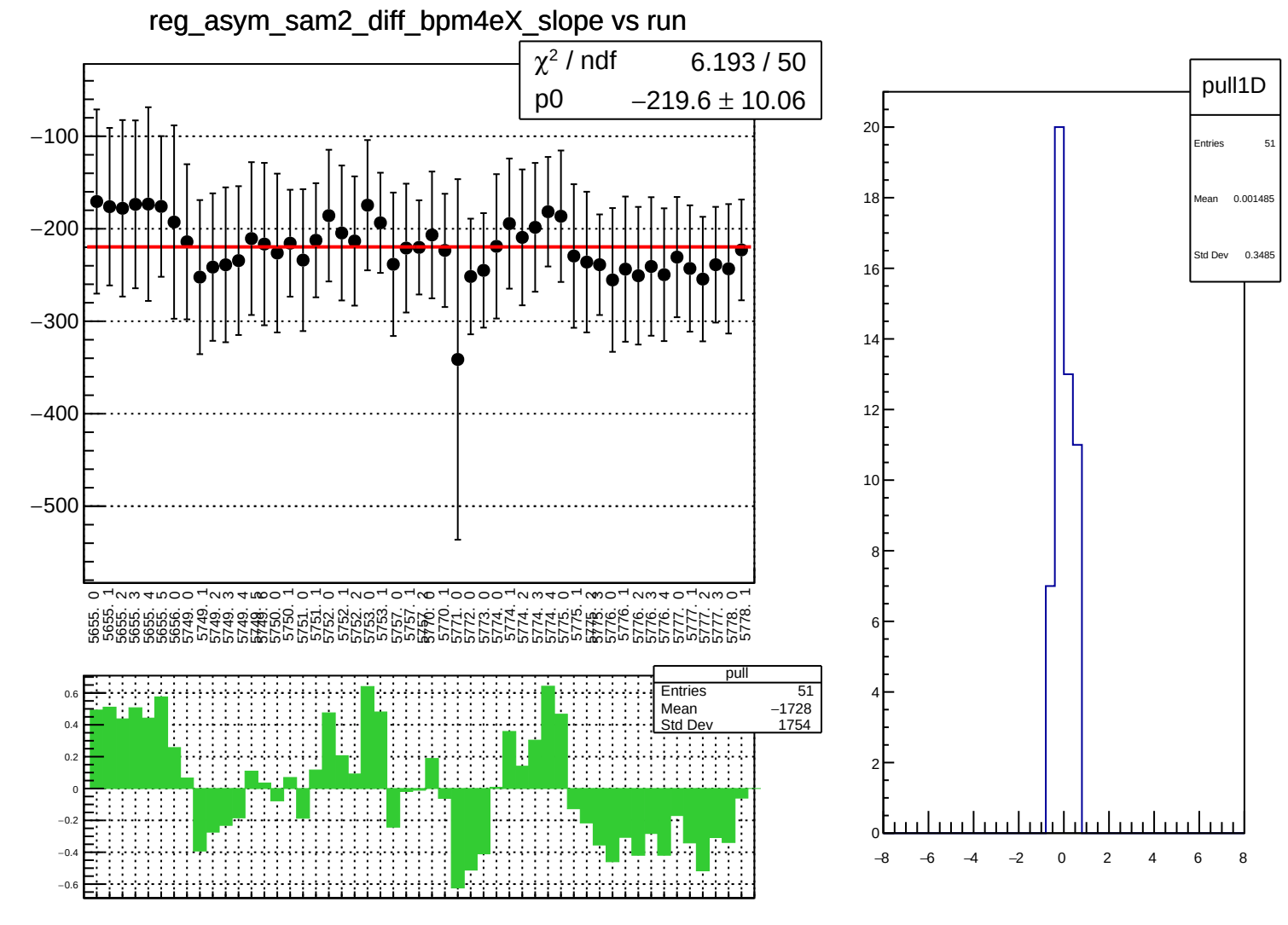

pull1D
Entries 51
Mean −0.2827
Std Dev 1.051

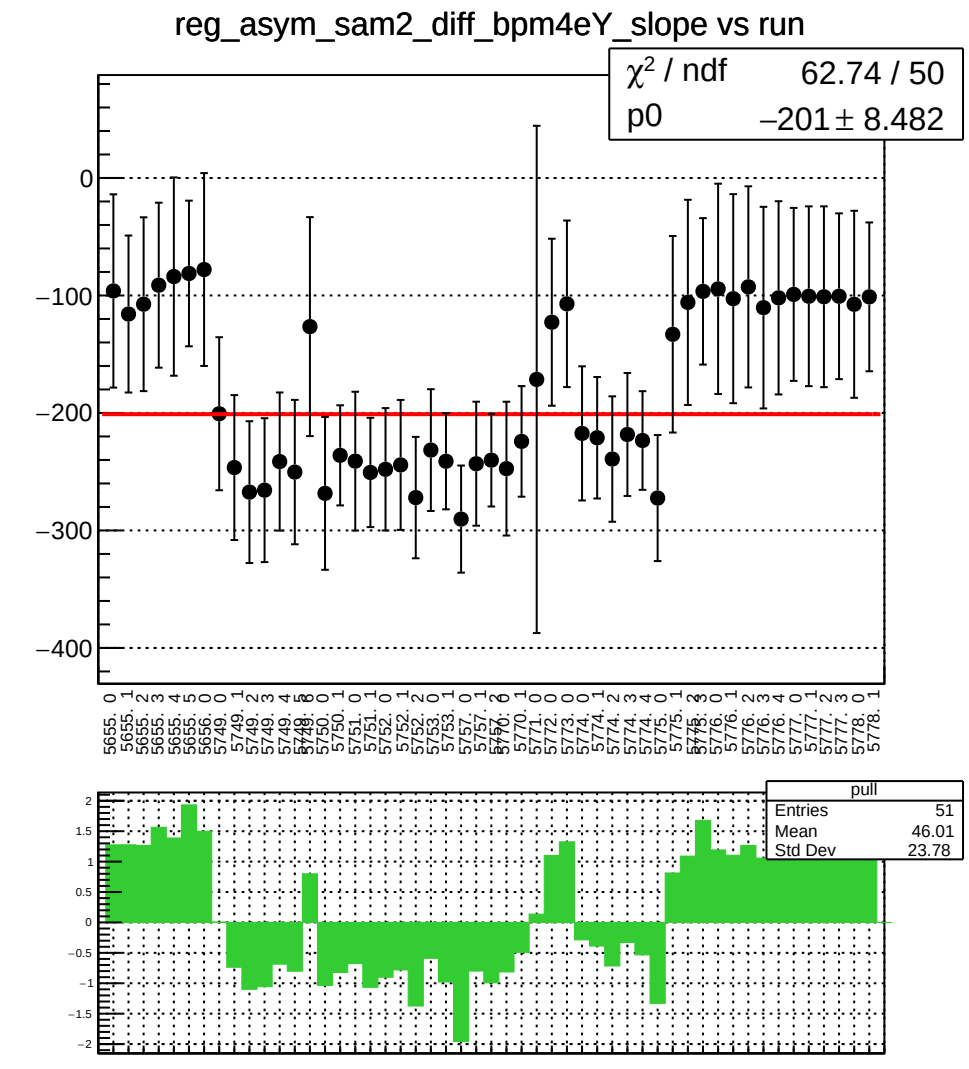

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 8.395 / 50
p0 −64.74 ± 7.827
pull
Entries 51
Mean −54.76
Std Dev 77.51

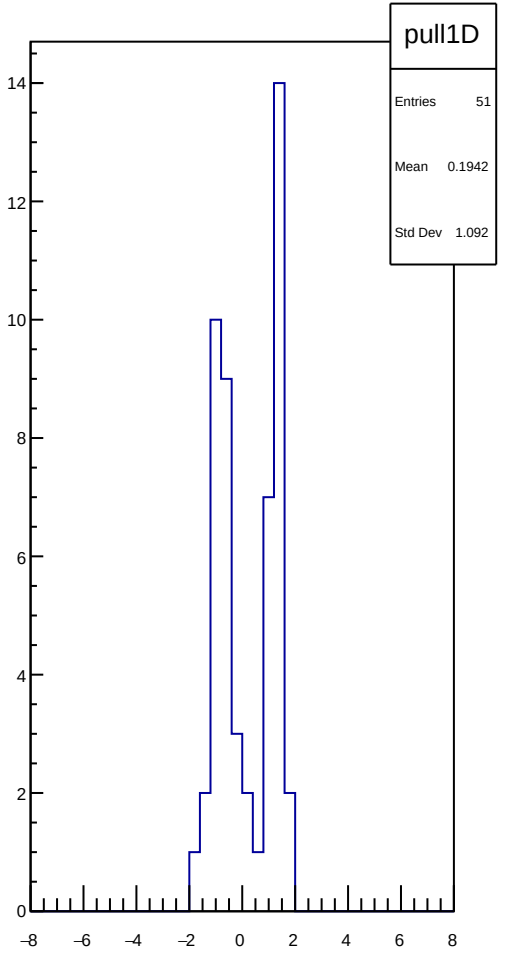

pull1D
Entries 51
Mean −0.04638
Std Dev 0.4031

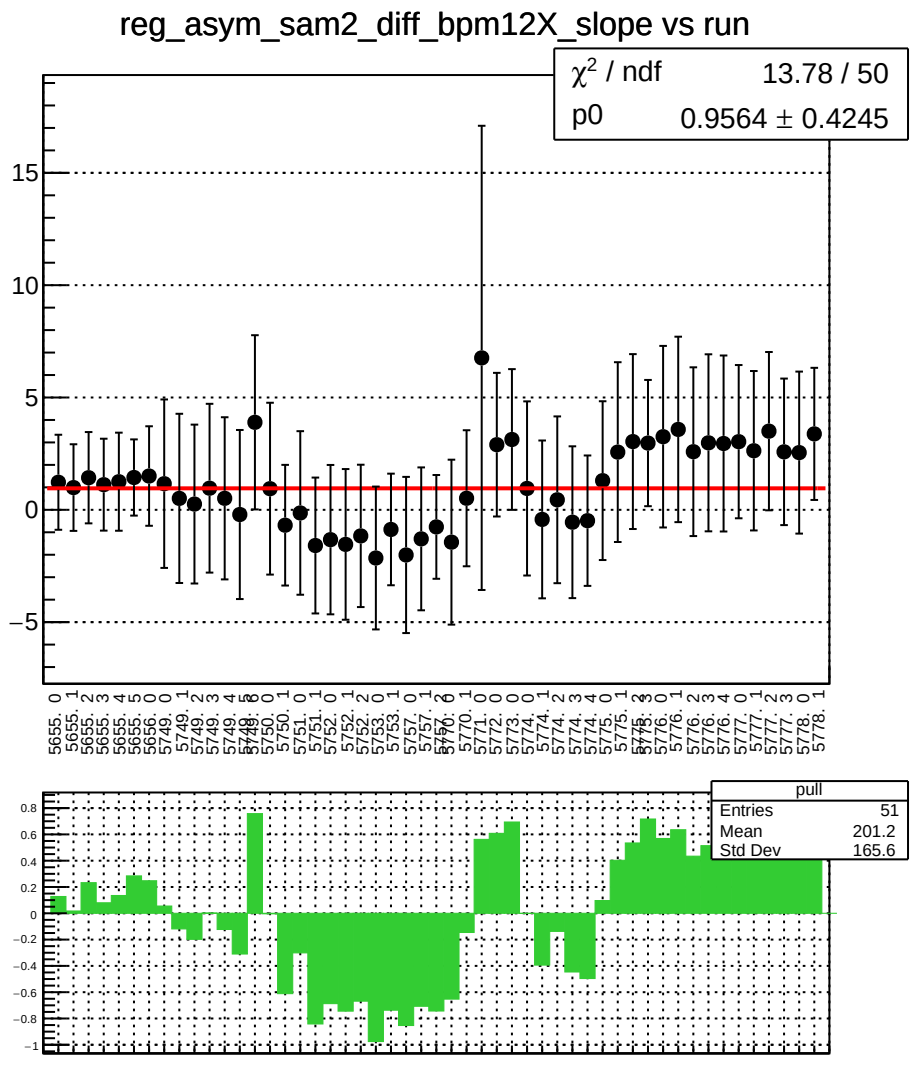

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 73.3 / 50
p0 −103.3 ± 7.92
pull
Entries 51
Mean 51.02
Std Dev 11.89

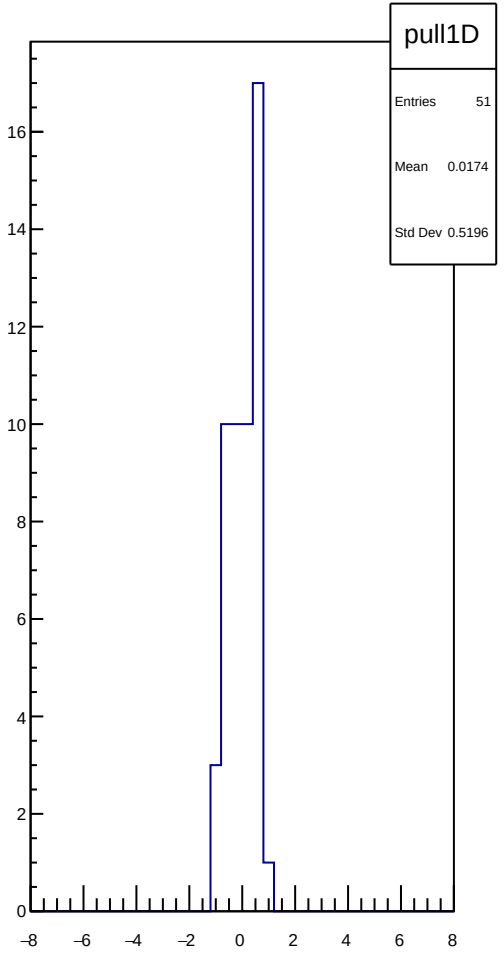

pull1D
Entries 51
Mean −0.2512
Std Dev 1.172

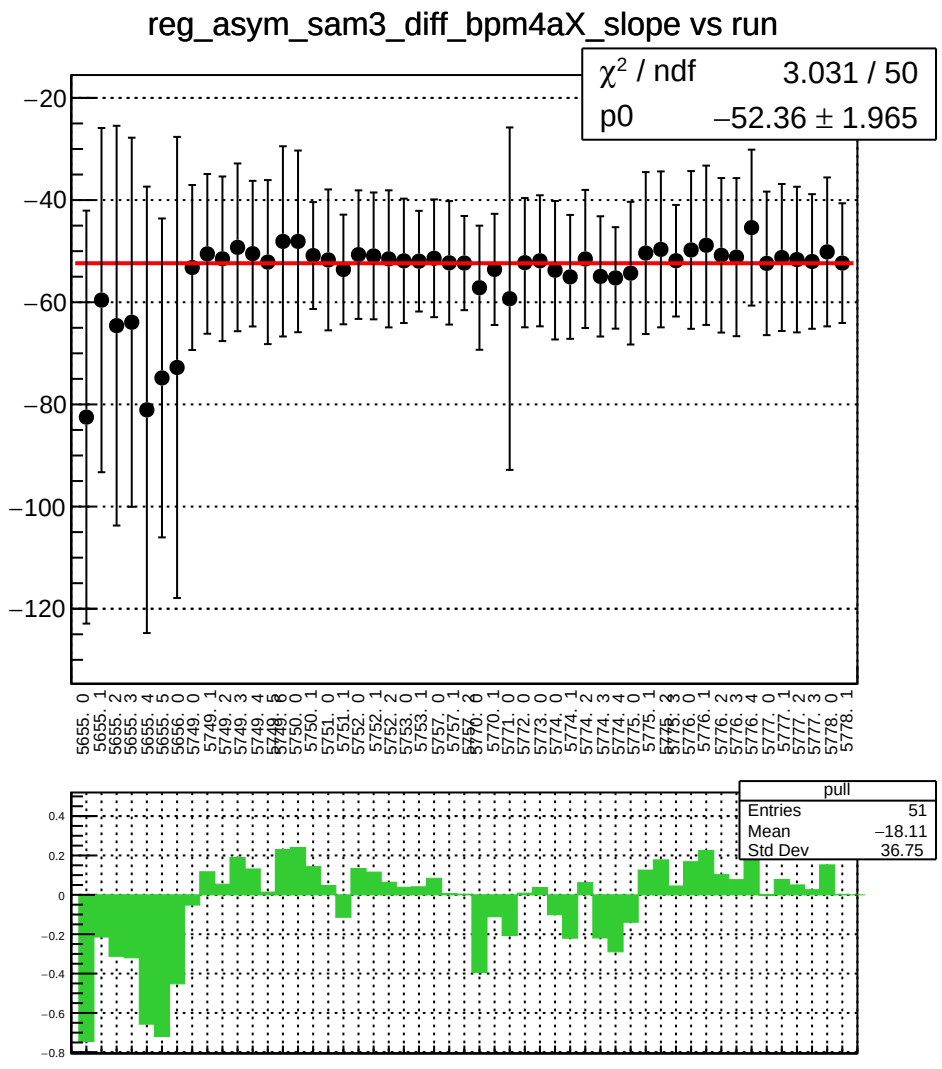

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.193 / 50
p0 −219.6 ± 10.06
pull
Entries 51
Mean −1728
Std Dev 1754
pull1D
Entries 51
Mean 0.001485
Std Dev 0.3485

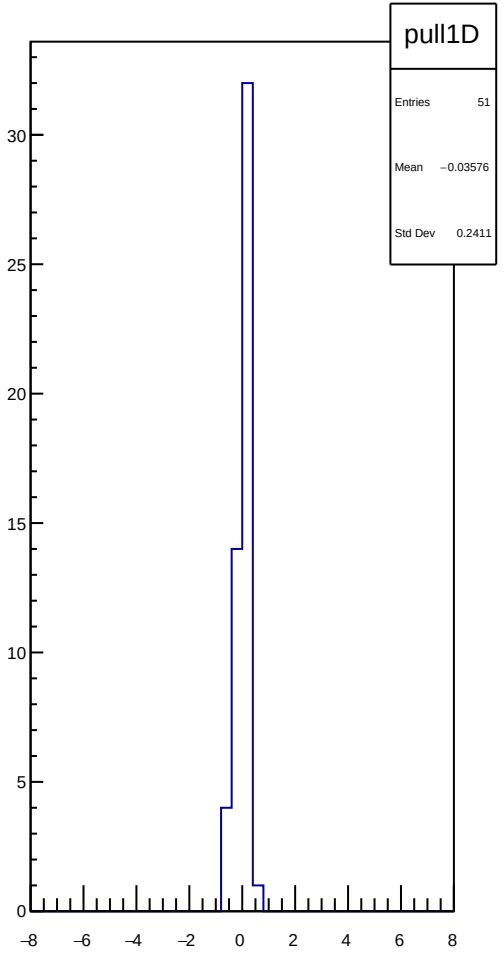

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 62.74 / 50
p0 −201 ± 8.482
0
−100
−200
−300
−400
pull
Entries 51
Mean 46.01
Std Dev 23.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

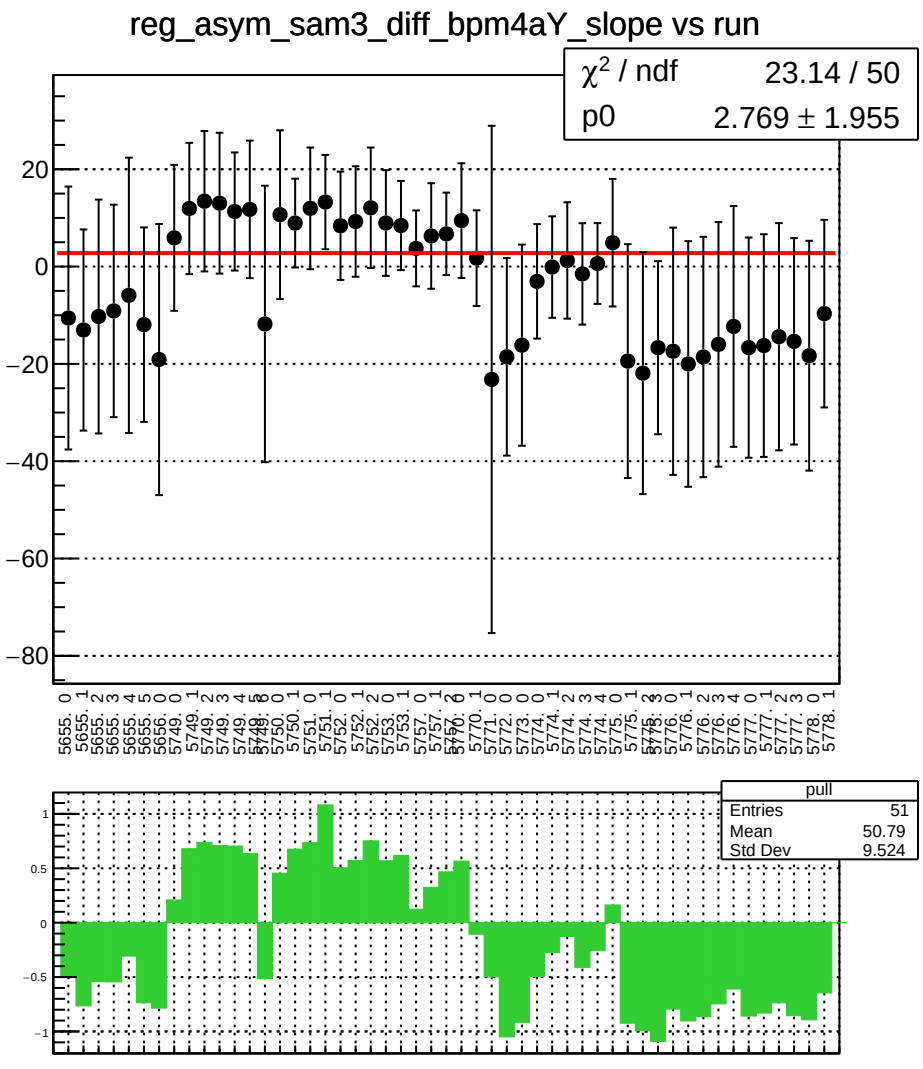

pull1D
Entries 51
Mean 0.1942
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

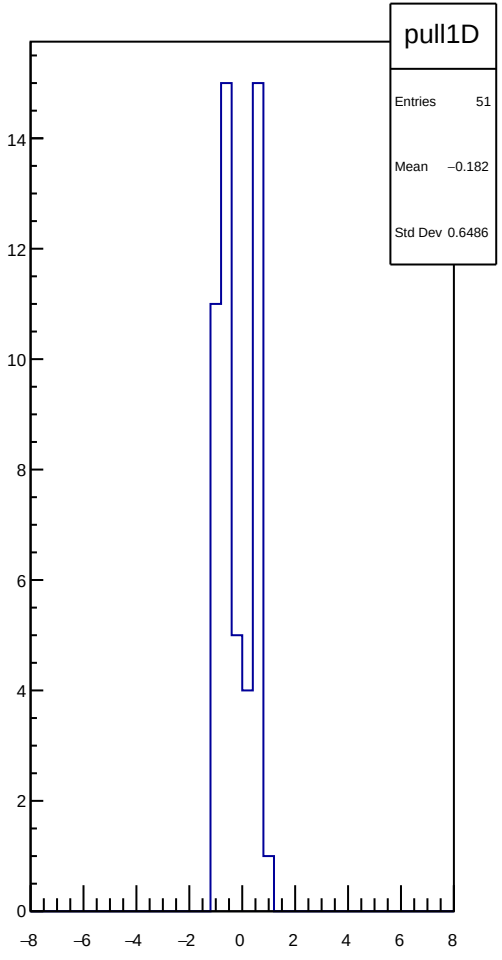

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 13.78 / 50
p0 0.9564 ± 0.4245
pull
Entries 51
Mean 201.2
Std Dev 165.6

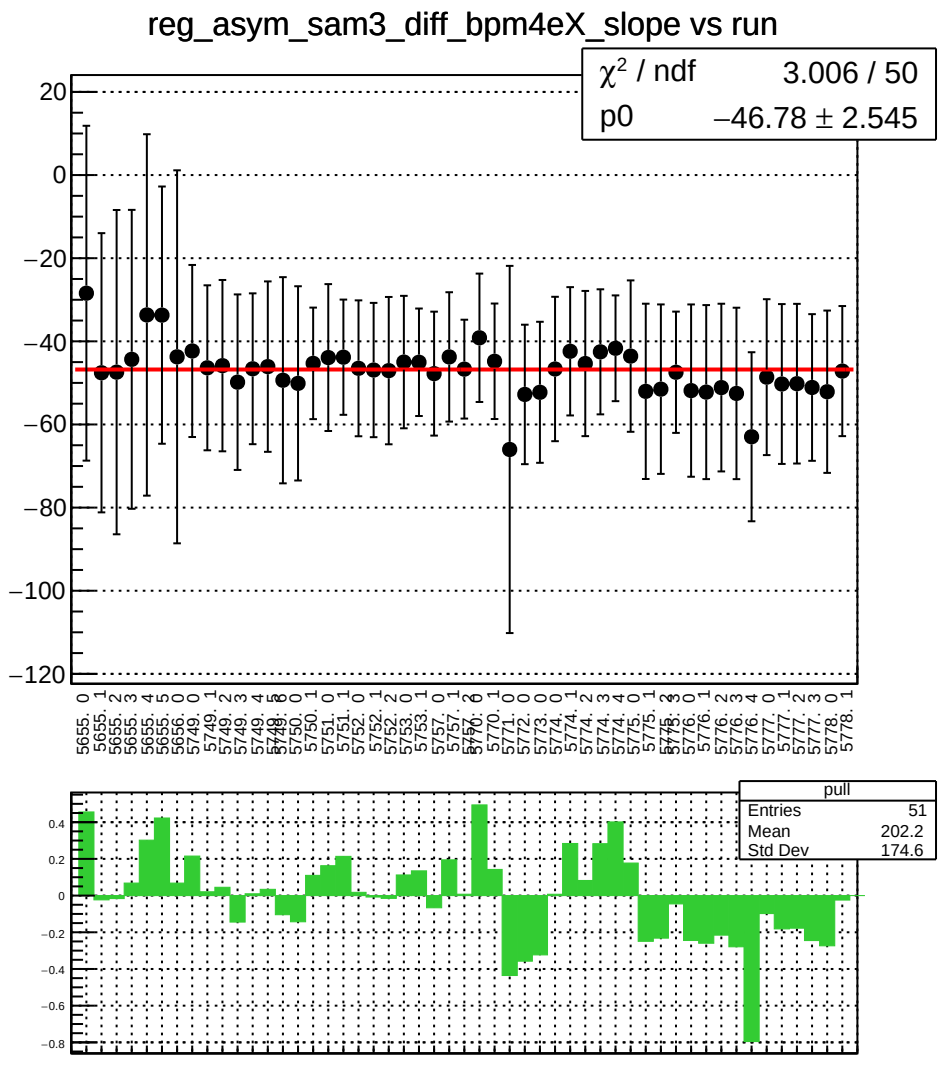

pull1D
Entries 51
Mean 0.0174
Std Dev 0.5196

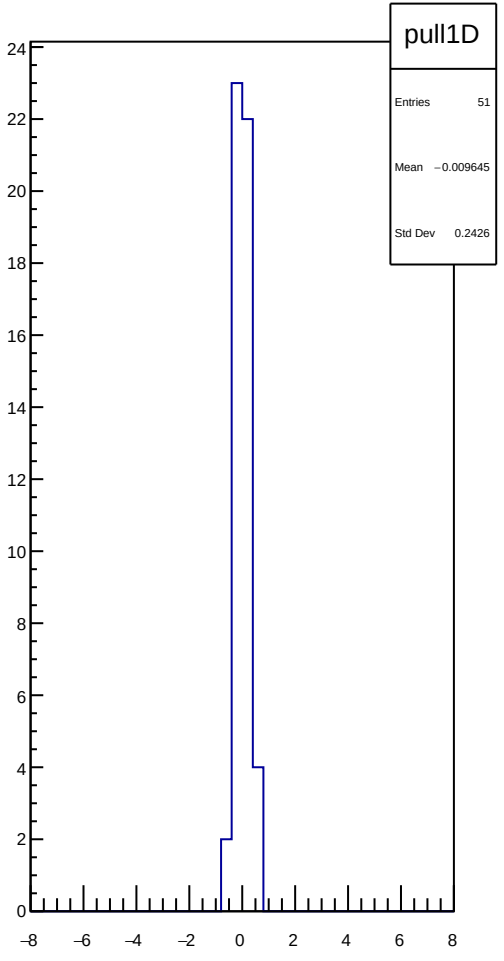

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.031 / 50
p0 −52.36 ± 1.965
pull
Entries 51
Mean −18.11
Std Dev 36.75

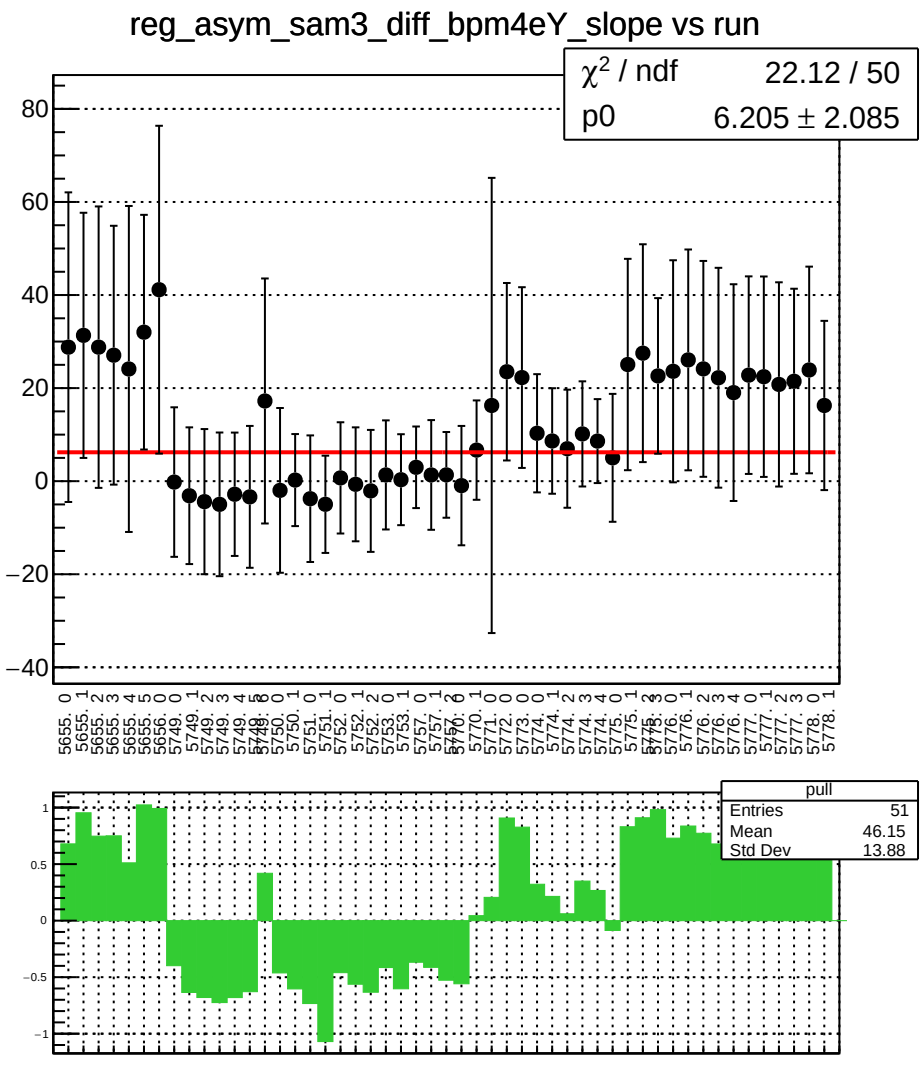

pull1D
Entries 51
Mean −0.03576
Std Dev 0.2411

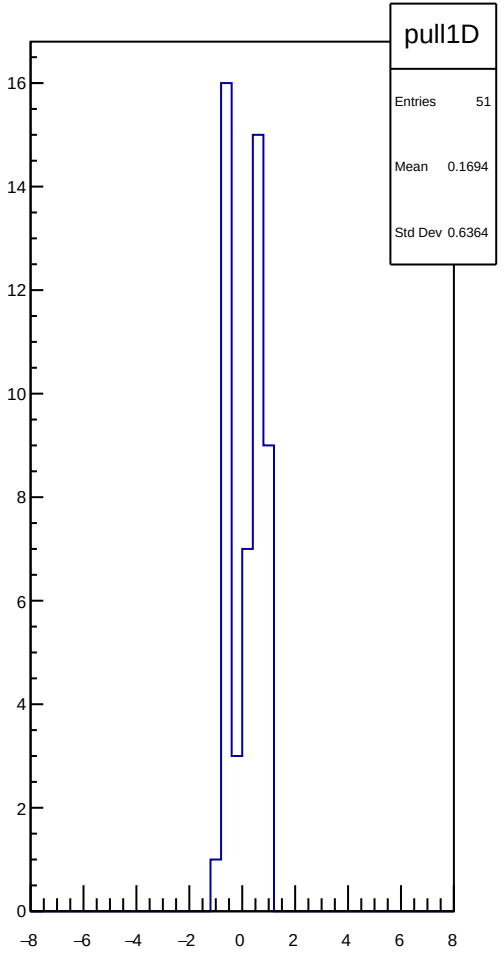

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 23.14 / 50
p0 2.769 ± 1.955
pull
Entries 51
Mean 50.79
Std Dev 9.524

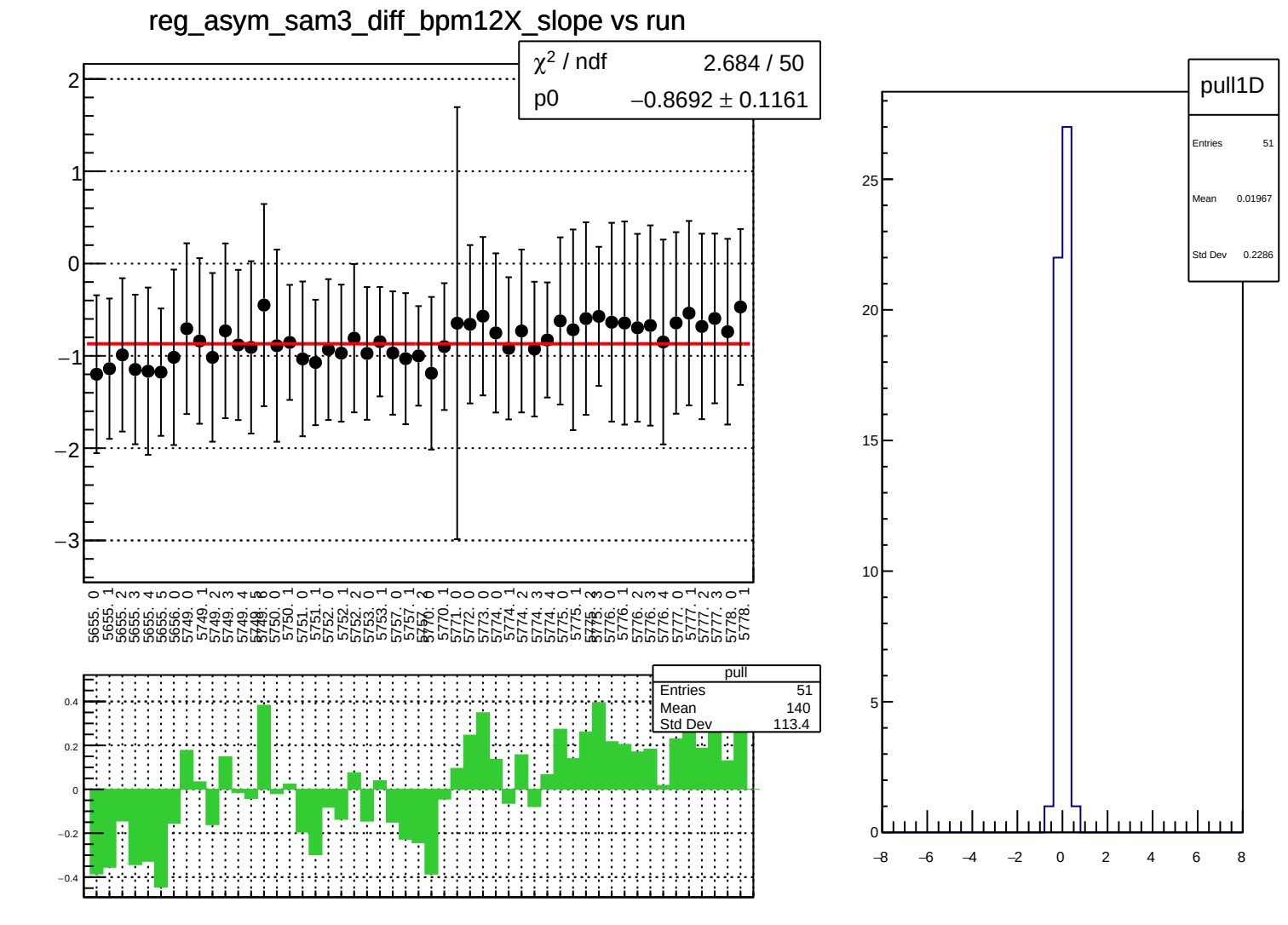

pull1D
Entries 51
Mean −0.182
Std Dev 0.6486

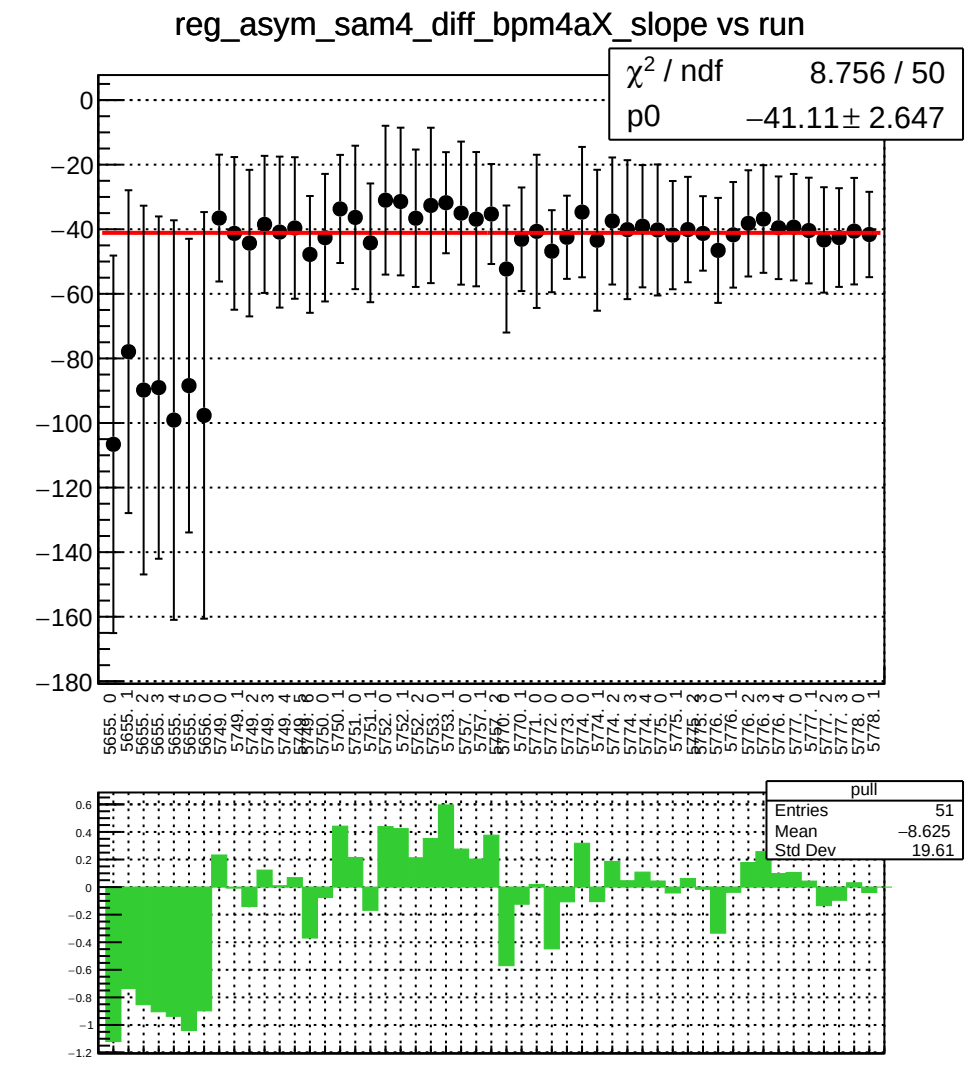

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.006 / 50
p0 −46.78 ± 2.545
pull
Entries 51
Mean 202.2
Std Dev 174.6

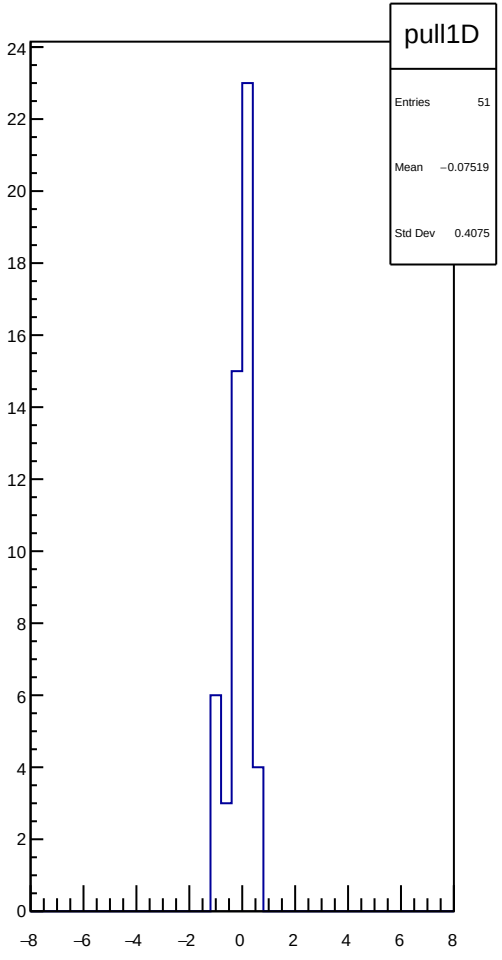

pull1D
Entries 51
Mean −0.009645
Std Dev 0.2426

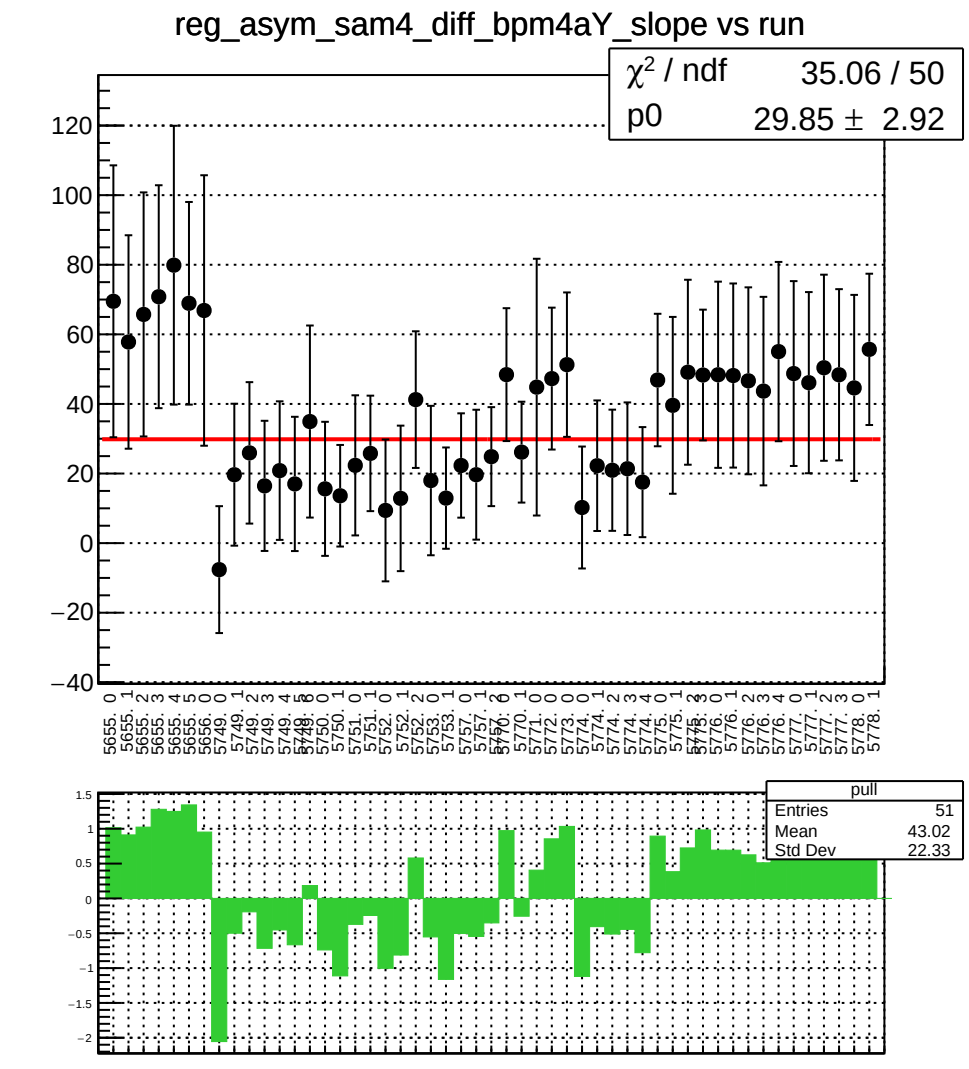

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 22.12 / 50
p0 6.205 ± 2.085
pull
Entries 51
Mean 46.15
Std Dev 13.88

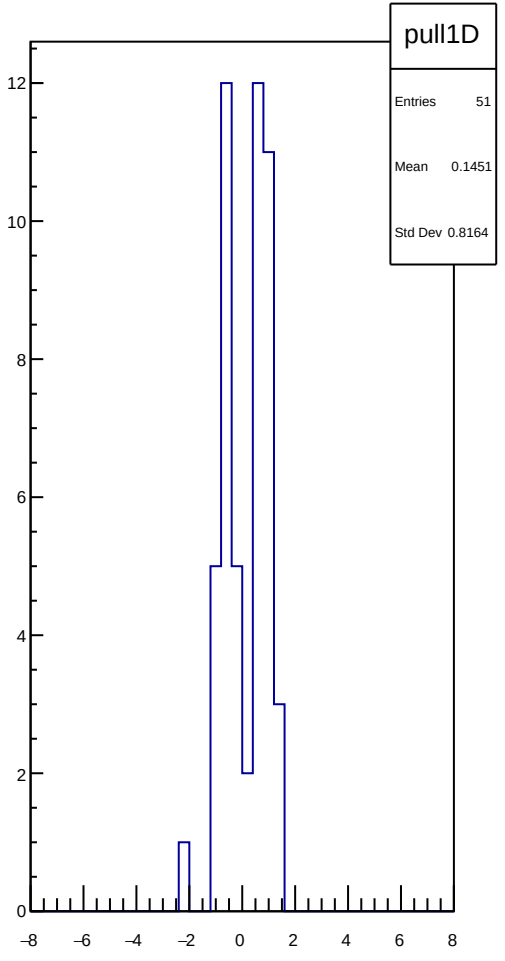

pull1D
Entries 51
Mean 0.1694
Std Dev 0.6364

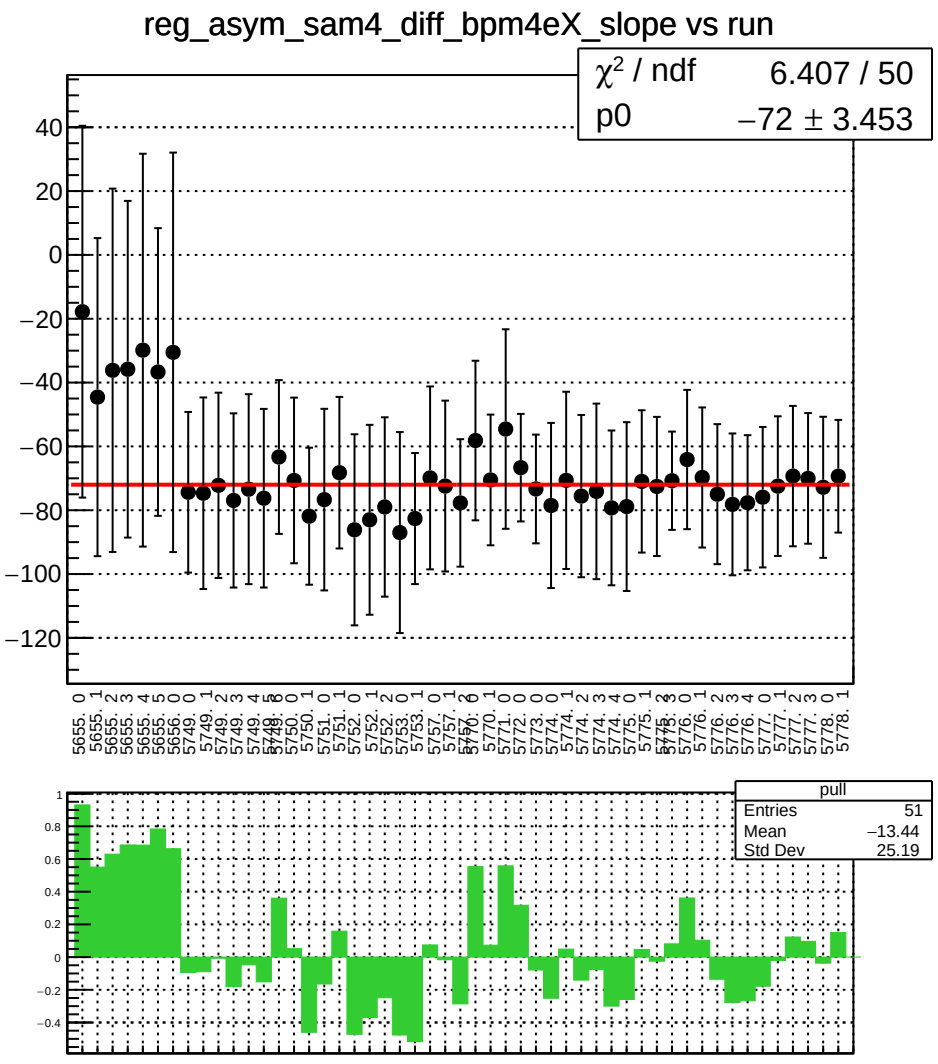

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.684 / 50
p0 −0.8692 ± 0.1161
pull
Entries 51
Mean 140
Std Dev 113.4
pull1D
Entries 51
Mean 0.01967
Std Dev 0.2286

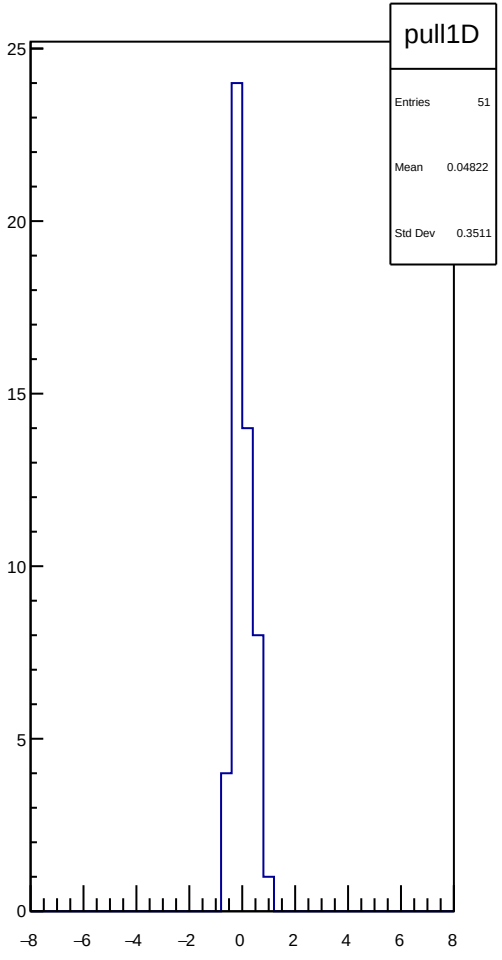

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 8.756 / 50
p0 −41.11 ± 2.647
pull
Entries 51
Mean −8.625
Std Dev 19.61

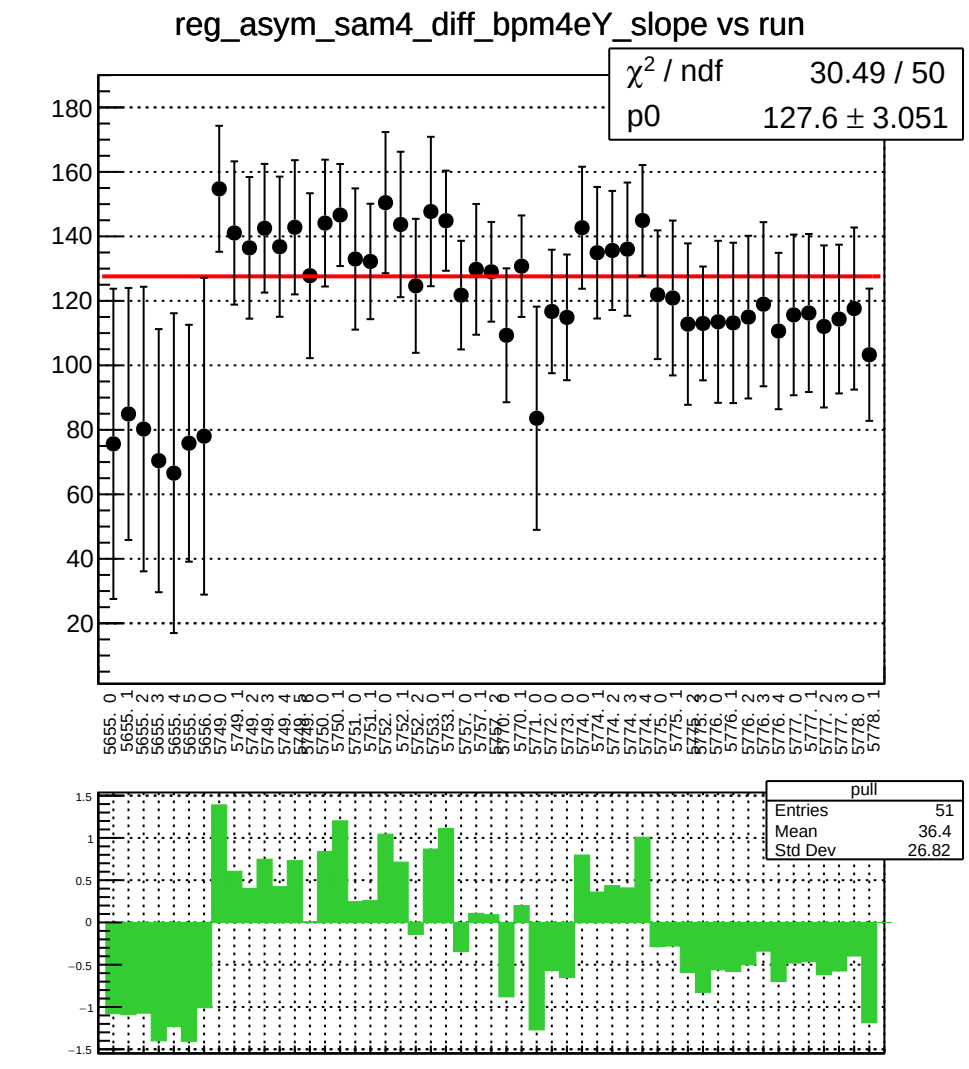

pull1D
Entries 51
Mean −0.07519
Std Dev 0.4075

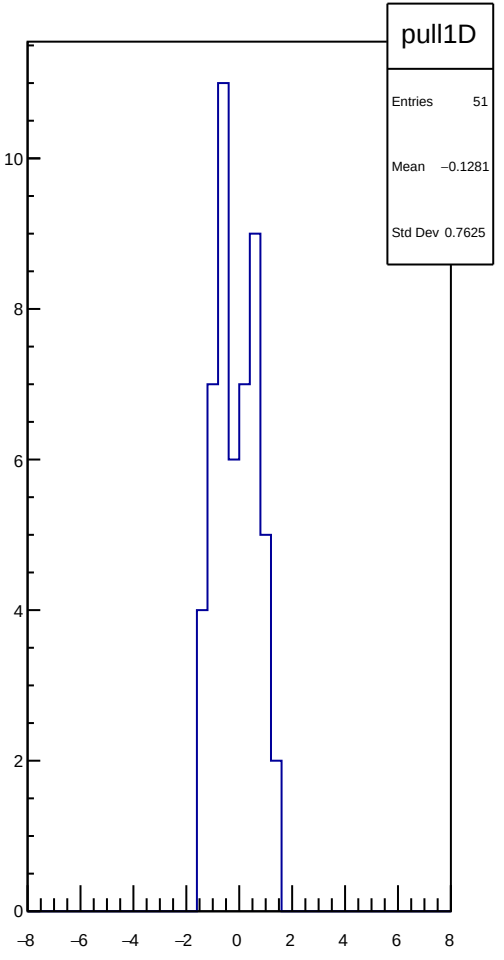

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 35.06 / 50
p0 29.85 ± 2.92
pull
Entries 51
Mean 43.02
Std Dev 22.33

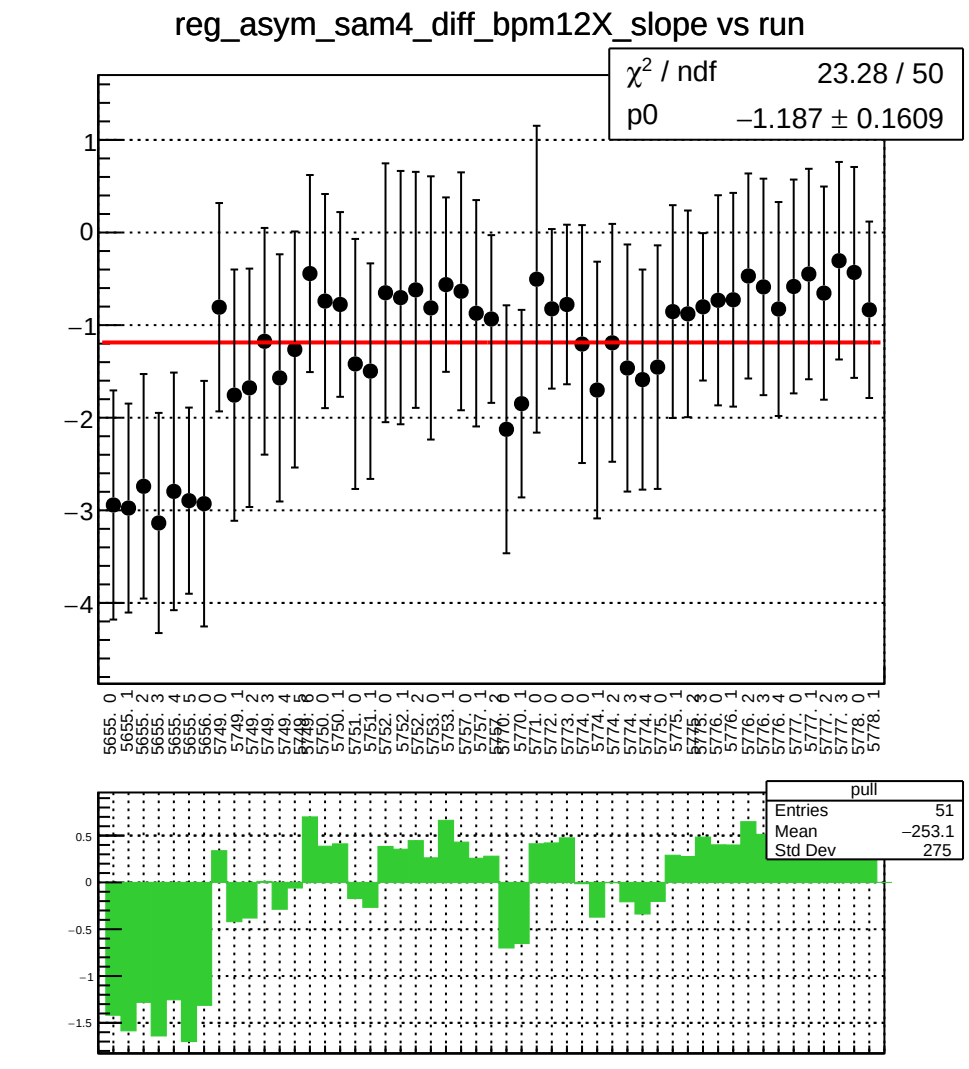

pull1D
Entries 51
Mean 0.1451
Std Dev 0.8164

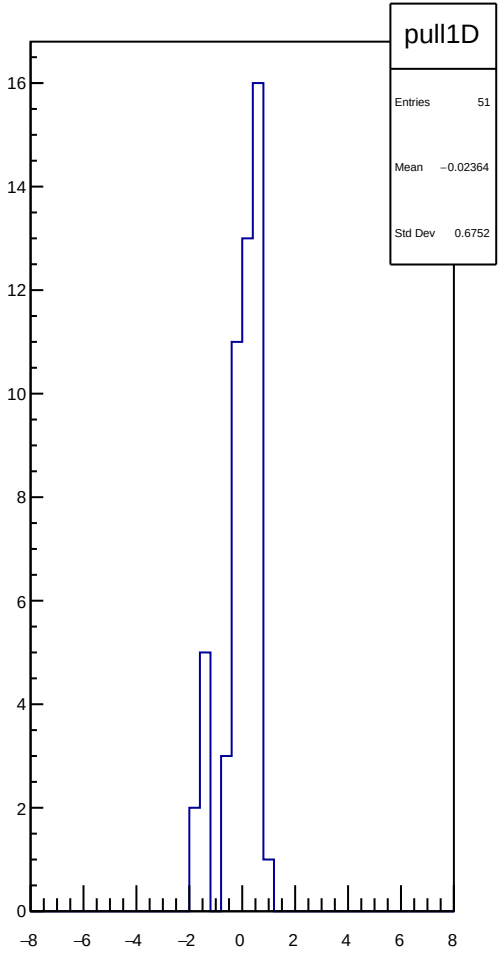

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 6.407 / 50
p0 −72 ± 3.453
pull
Entries 51
Mean −13.44
Std Dev 25.19

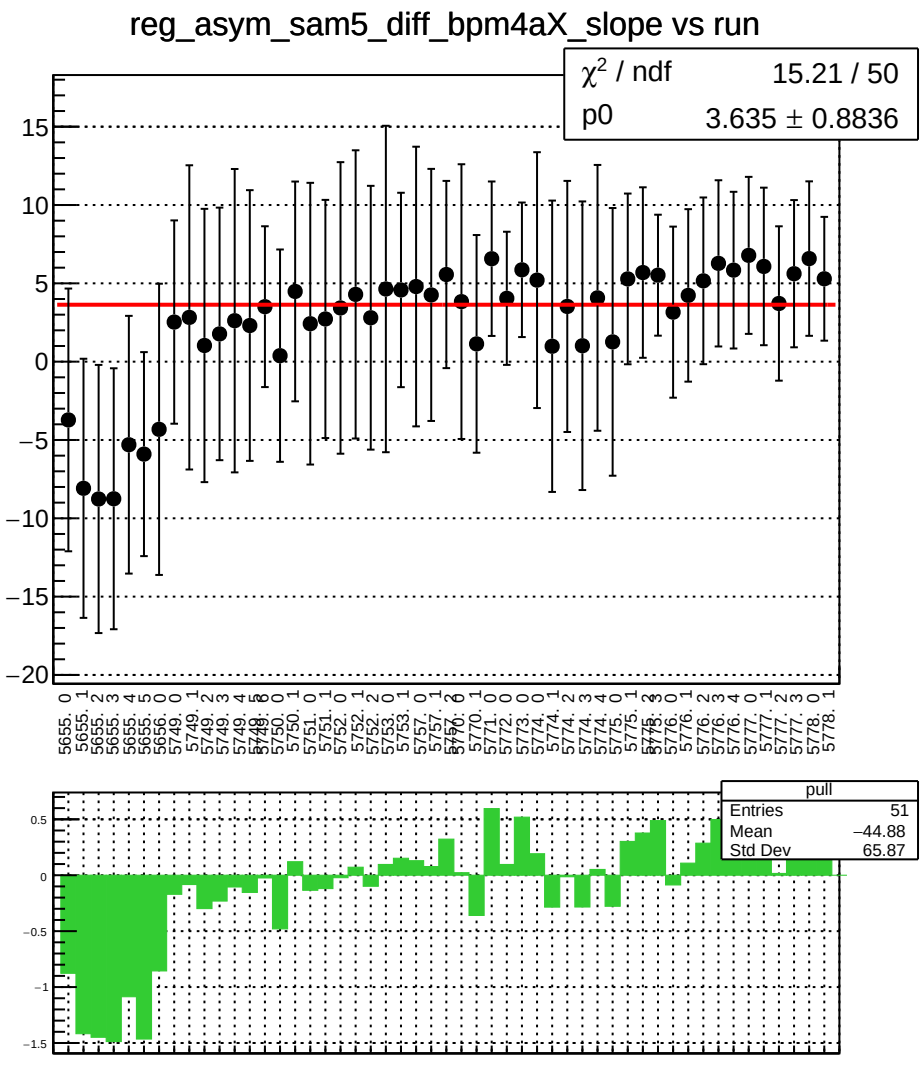

pull1D
Entries 51
Mean 0.04822
Std Dev 0.3511

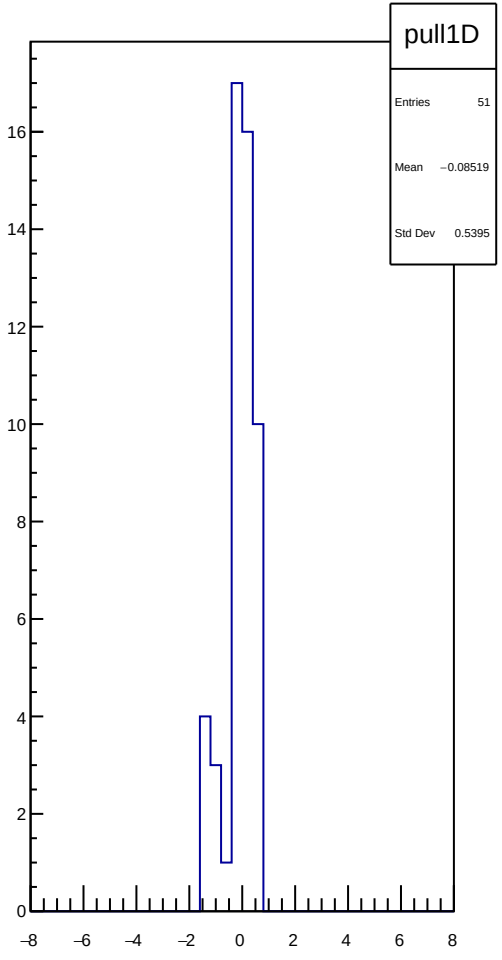

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 30.49 / 50
p0 127.6 ± 3.051
pull
Entries 51
Mean 36.4
Std Dev 26.82

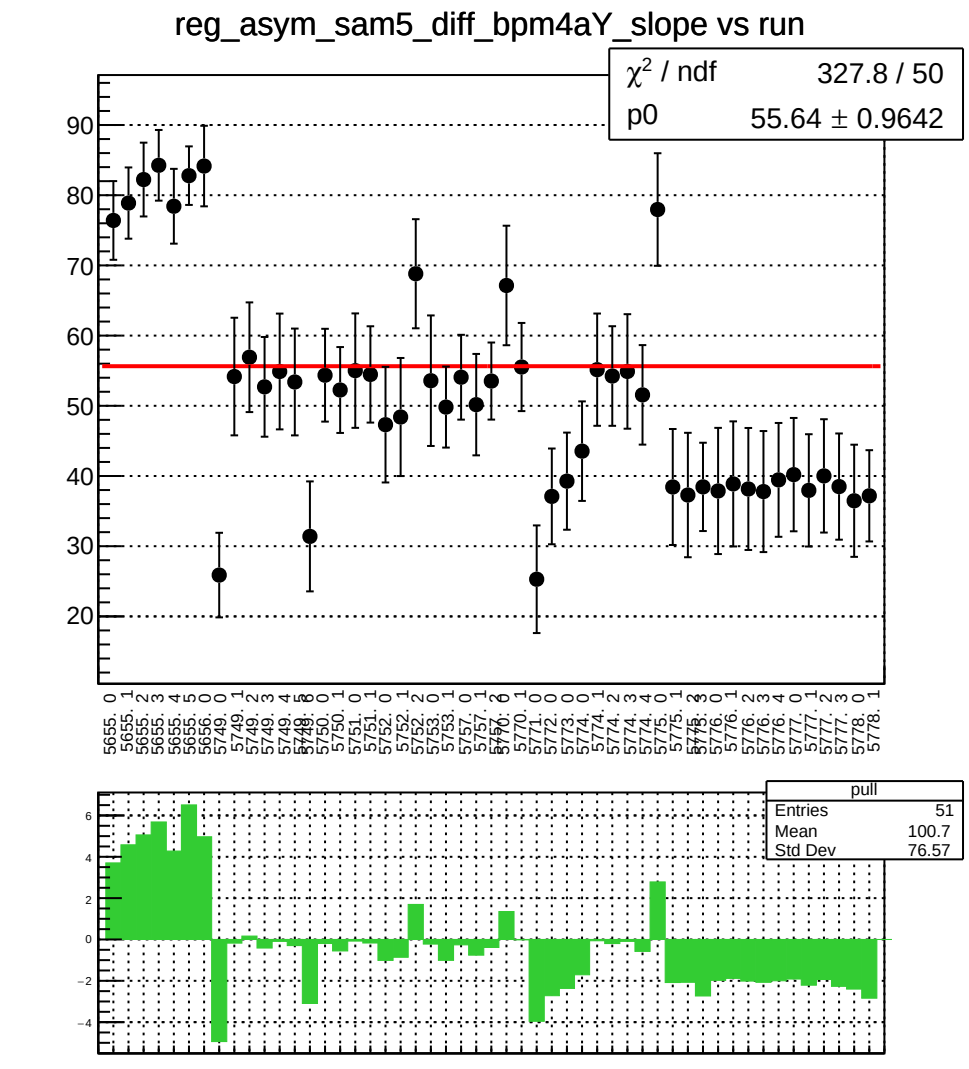

pull1D
Entries 51
Mean −0.1281
Std Dev 0.7625

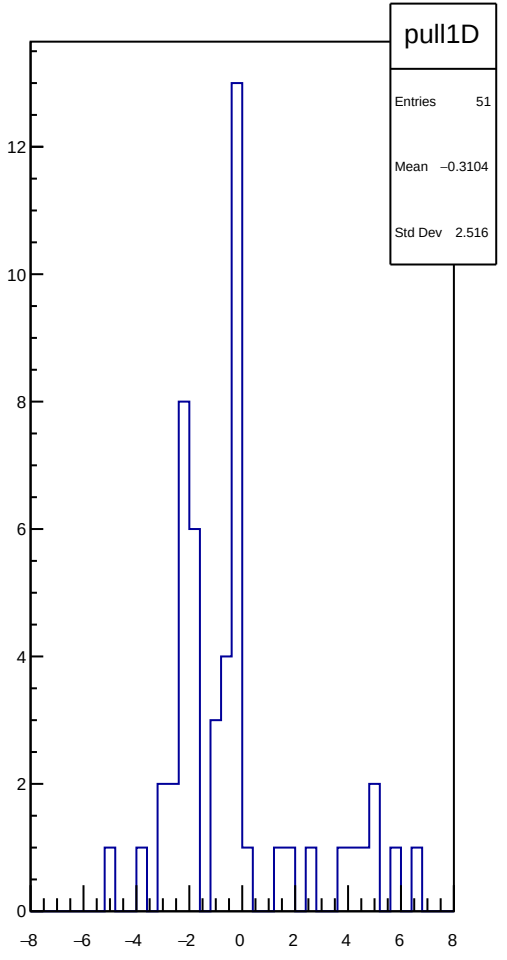

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 23.28 / 50
p0 −1.187 ± 0.1609
pull
Entries 51
Mean −253.1
Std Dev 275

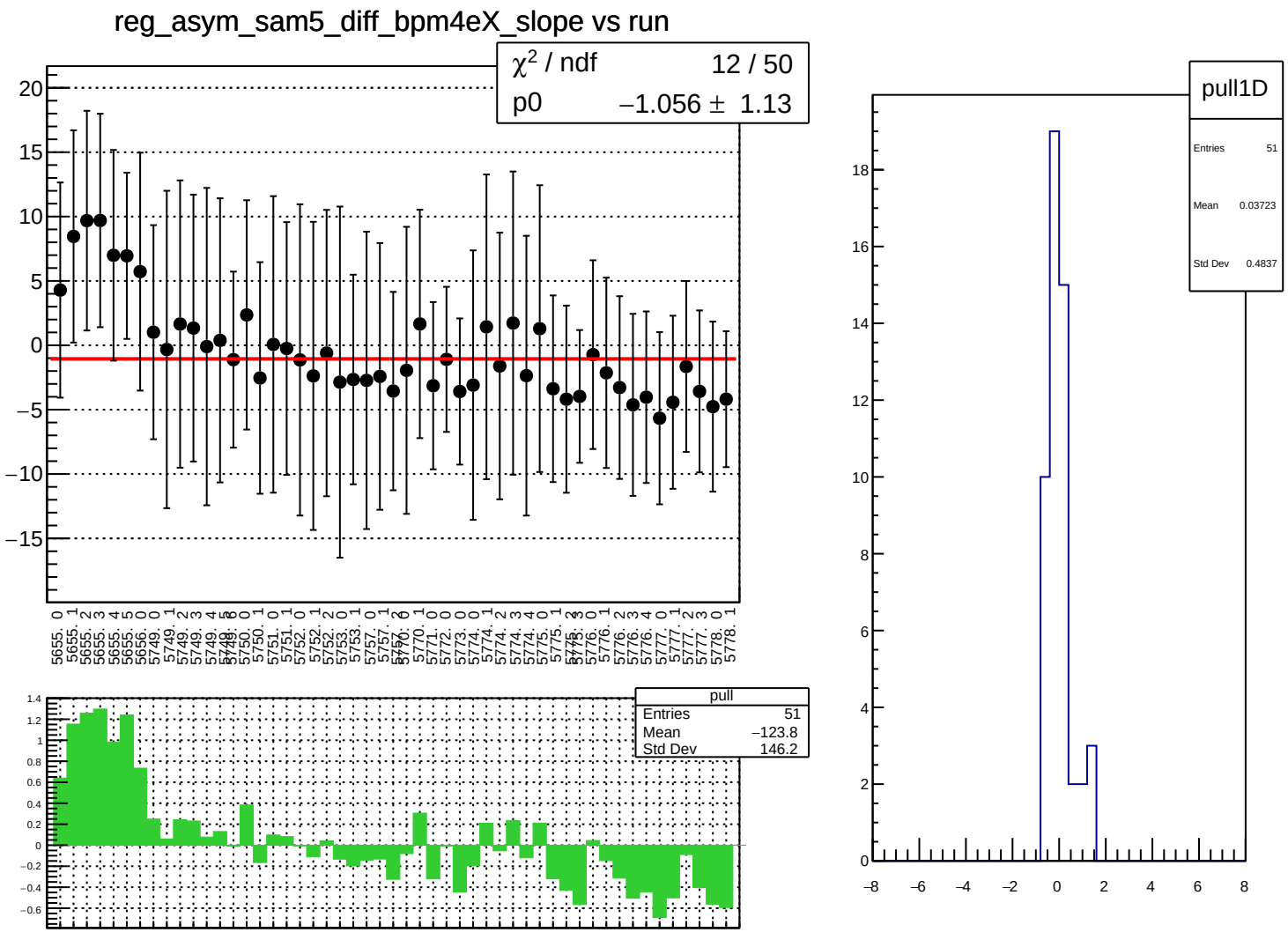

pull1D
Entries 51
Mean −0.02364
Std Dev 0.6752

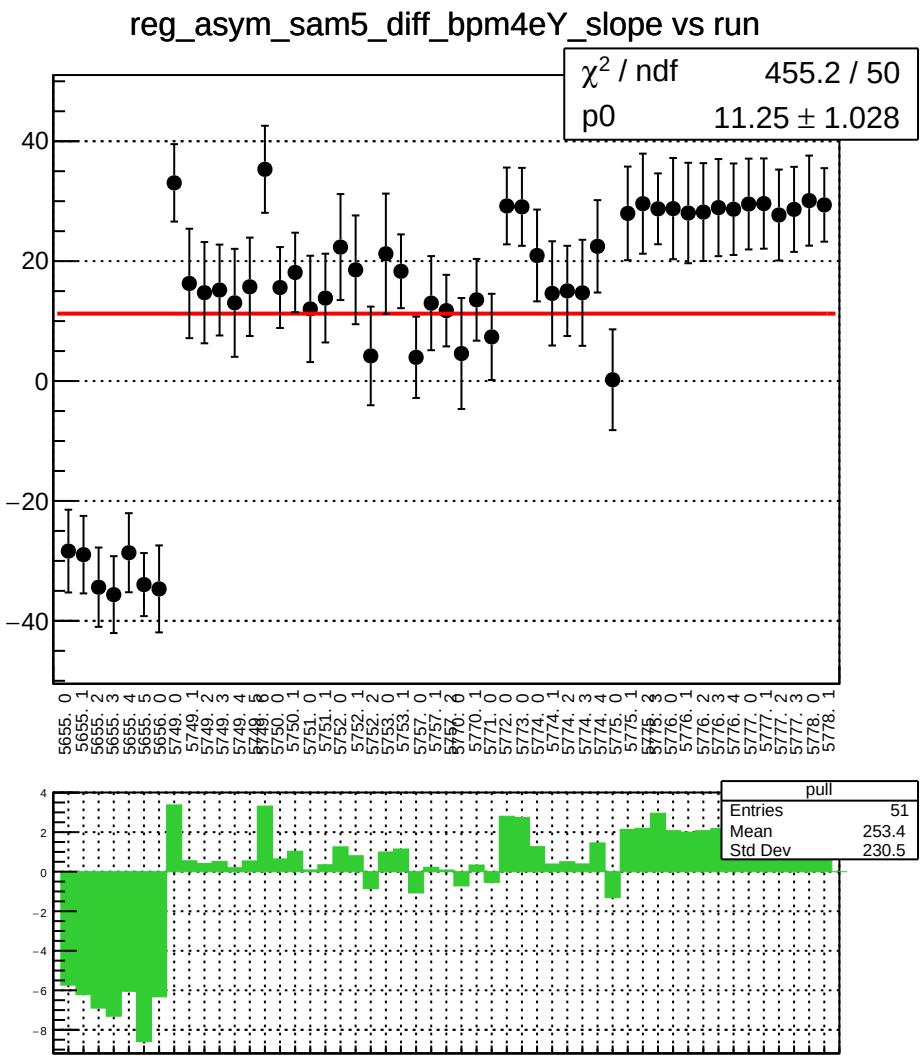

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 15.21 / 50
p0 3.635 ± 0.8836
pull
Entries 51
Mean −44.88
Std Dev 65.87

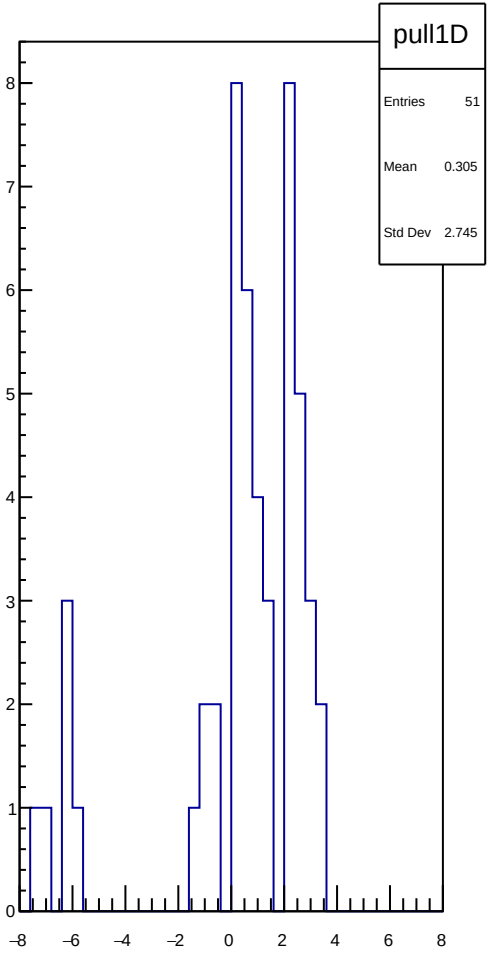

pull1D
Entries 51
Mean −0.08519
Std Dev 0.5395

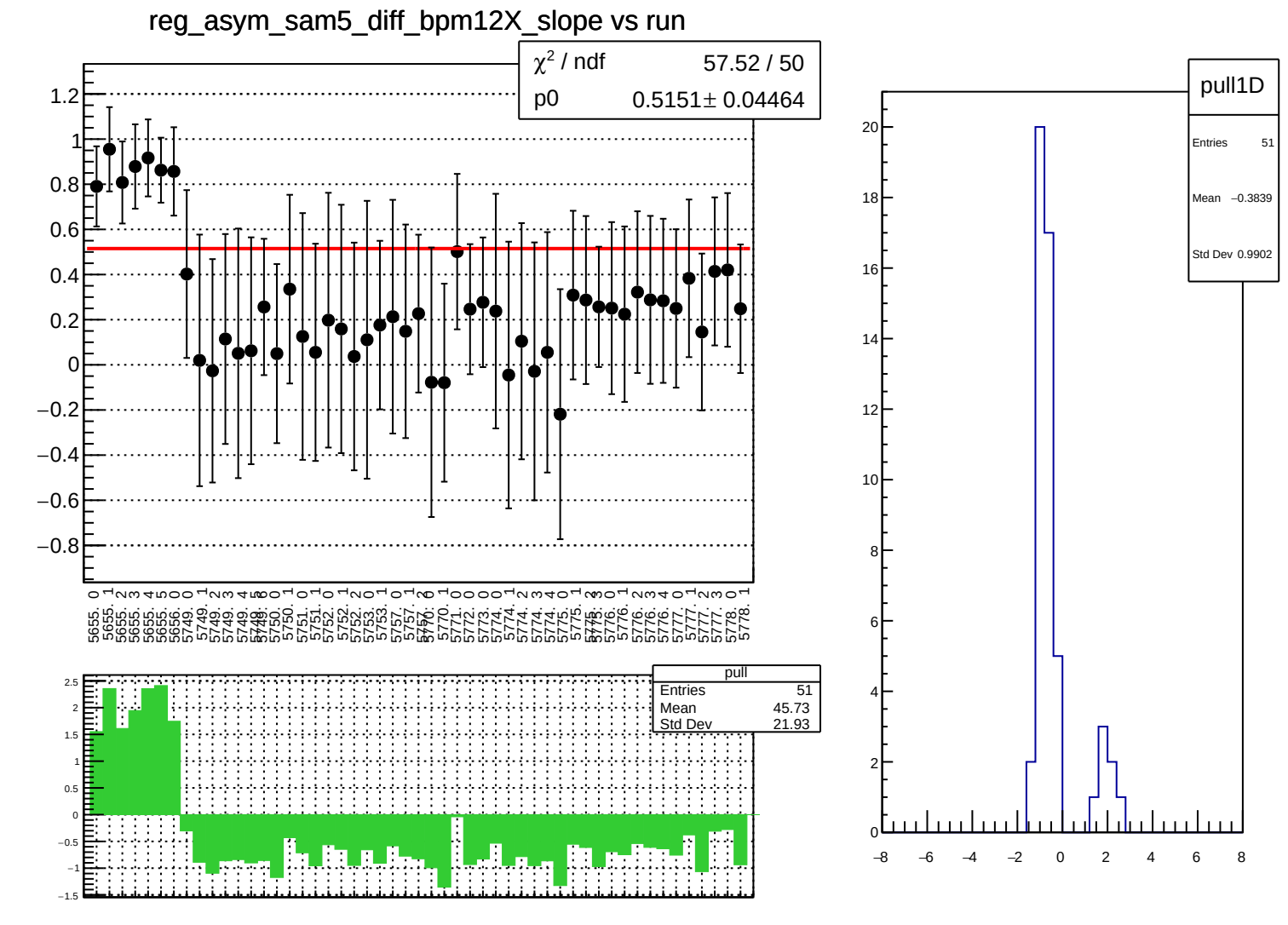

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 327.8 / 50
p0 55.64 ± 0.9642
pull
Entries 51
Mean 100.7
Std Dev 76.57

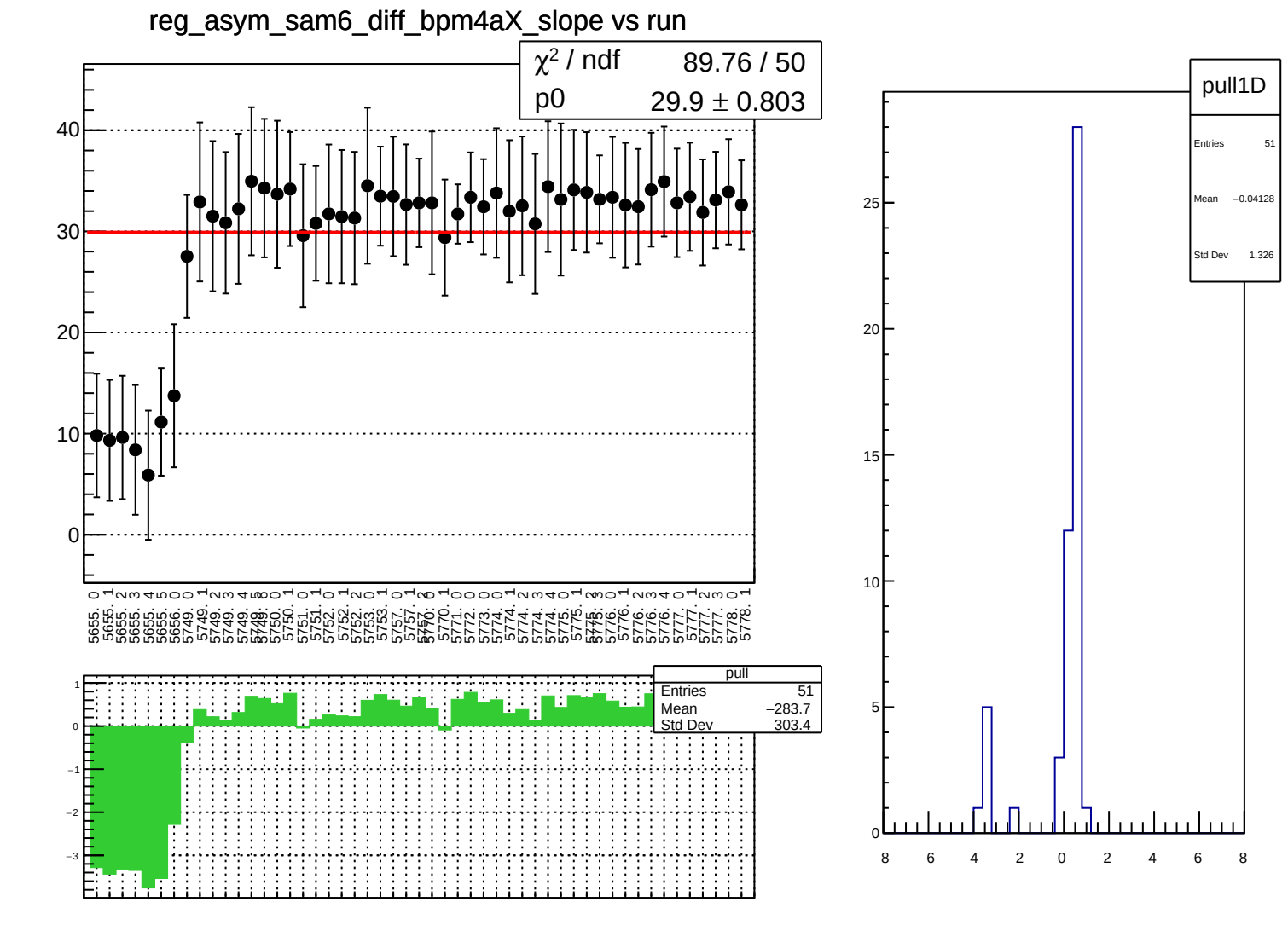

pull1D
Entries 51
Mean −0.3104
Std Dev 2.516

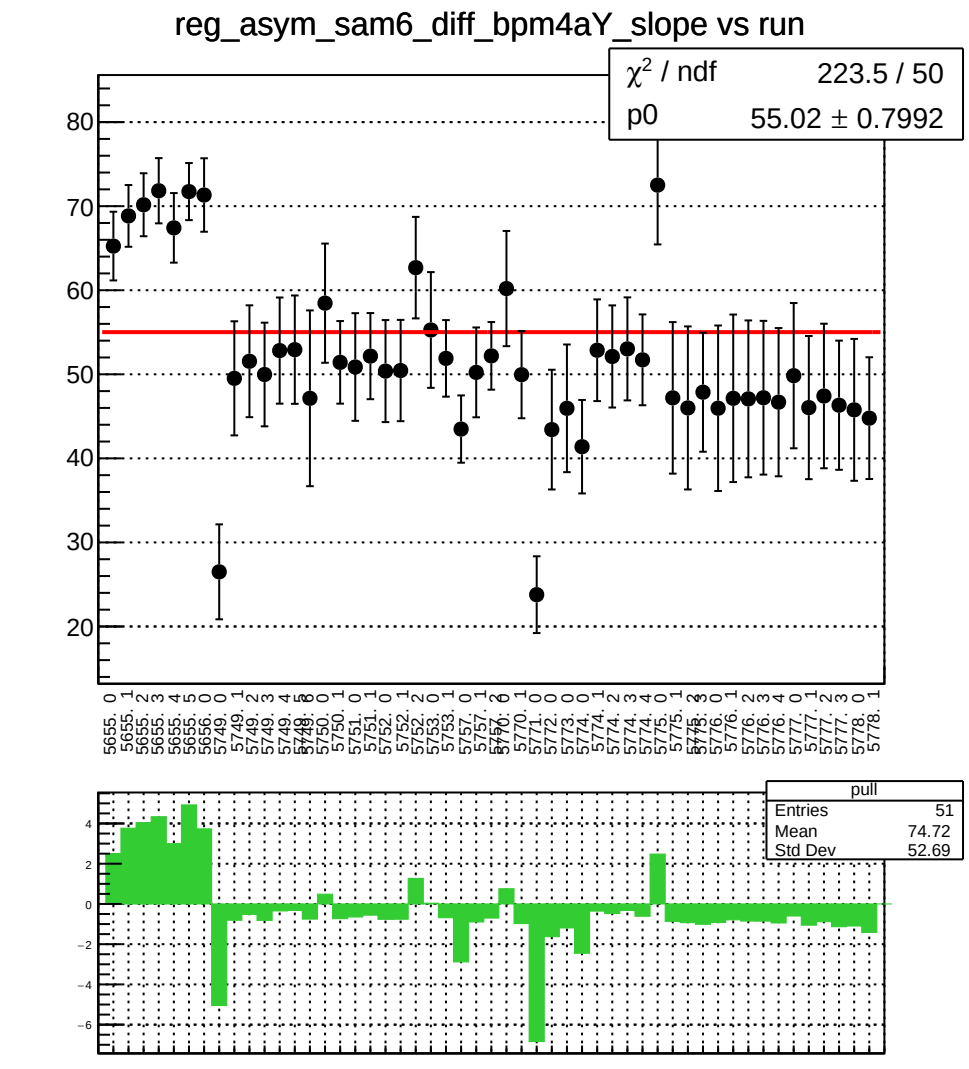

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 12 / 50
p0 −1.056 ± 1.13
pull
Entries 51
Mean −123.8
Std Dev 146.2
pull1D
Entries 51
Mean 0.03723
Std Dev 0.4837

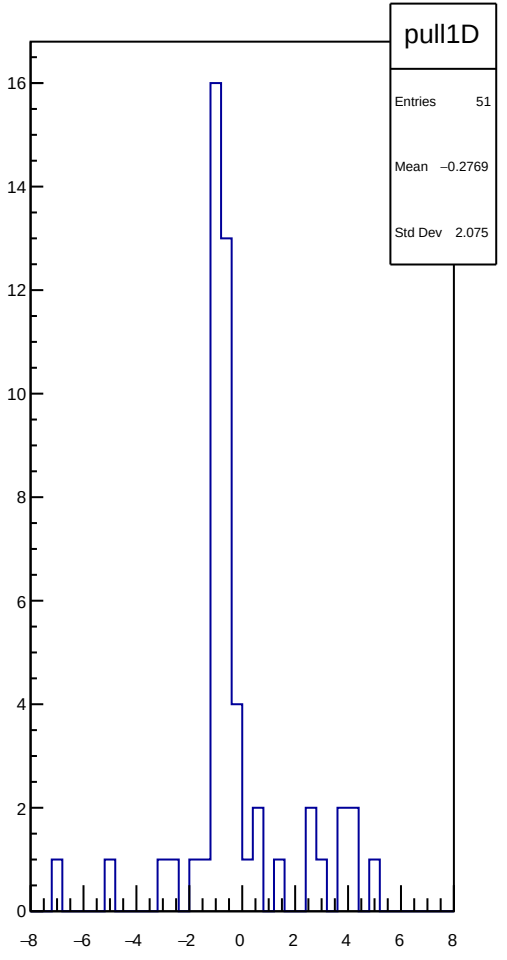

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 455.2 / 50
p0 11.25 ± 1.028
pull
Entries 51
Mean 253.4
Std Dev 230.5

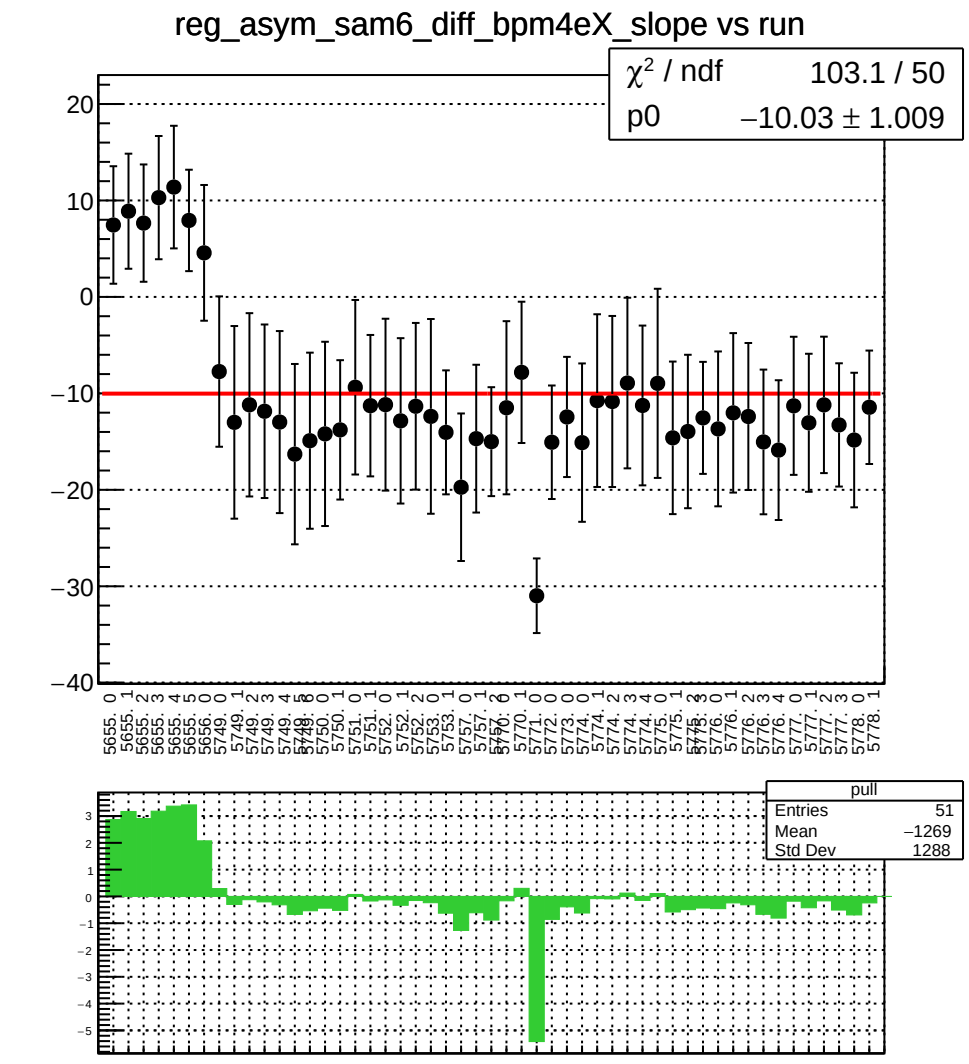

pull1D
Entries 51
Mean 0.305
Std Dev 2.745

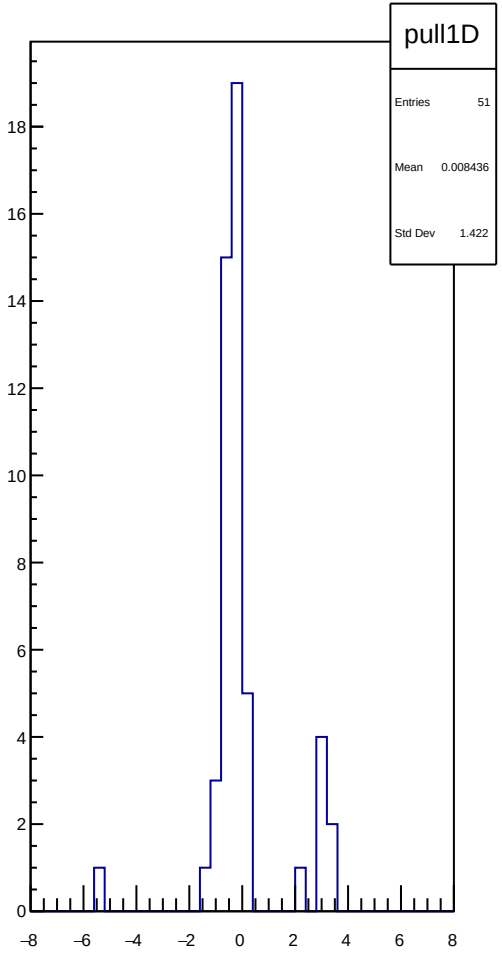

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 57.52 / 50
p0 0.5151± 0.04464
pull
Entries 51
Mean 45.73
Std Dev 21.93
pull1D
Entries 51
Mean −0.3839
Std Dev 0.9902

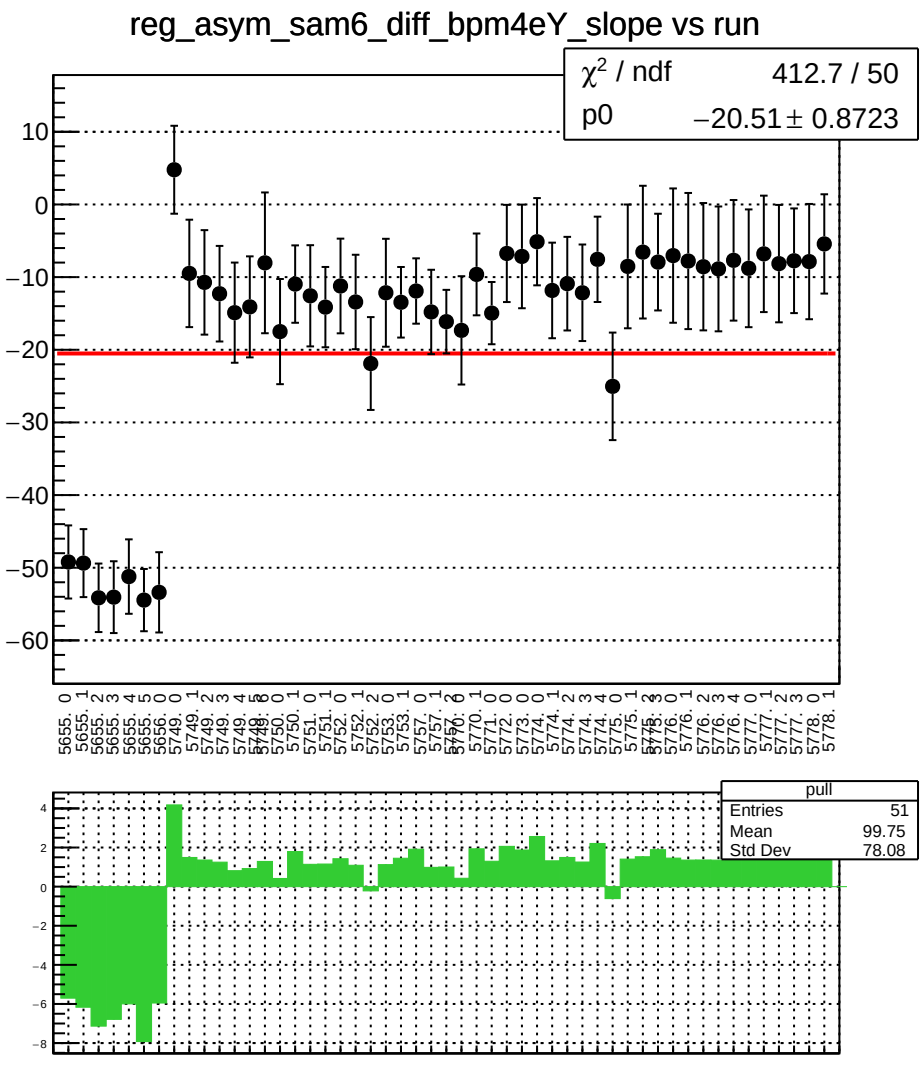

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 89.76 / 50
p0 29.9 ± 0.803
pull
Entries 51
Mean −283.7
Std Dev 303.4
pull1D
Entries 51
Mean −0.04128
Std Dev 1.326

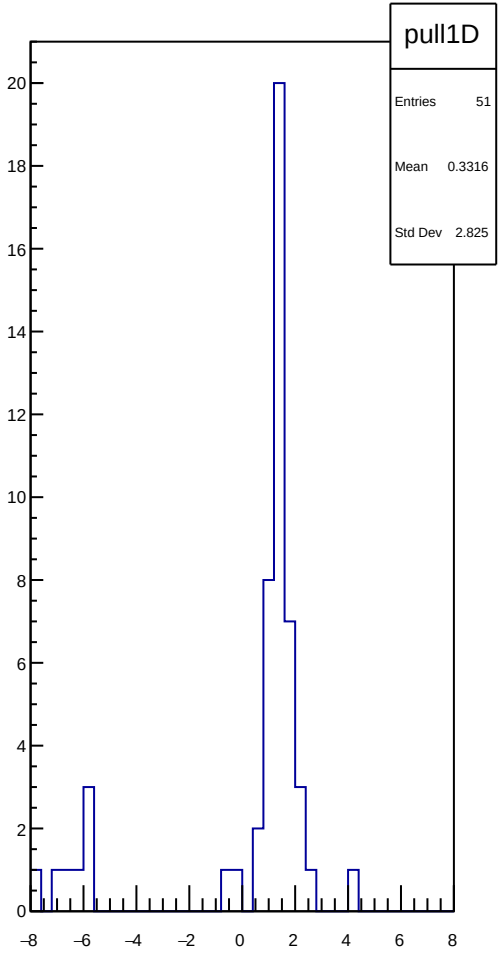

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 223.5 / 50
p0 55.02 ± 0.7992
pull
Entries 51
Mean 74.72
Std Dev 52.69

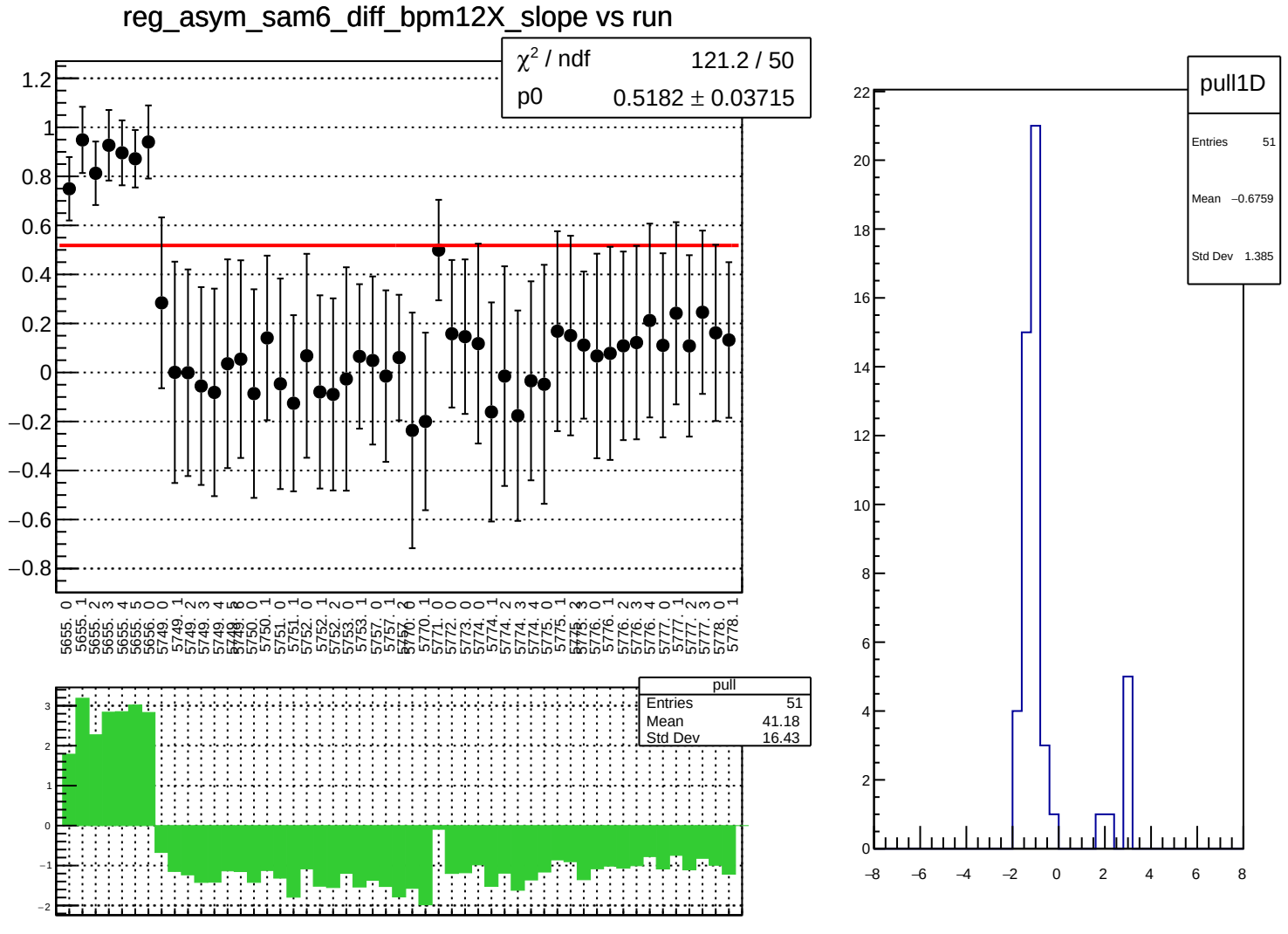

pull1D
Entries 51
Mean −0.2769
Std Dev 2.075

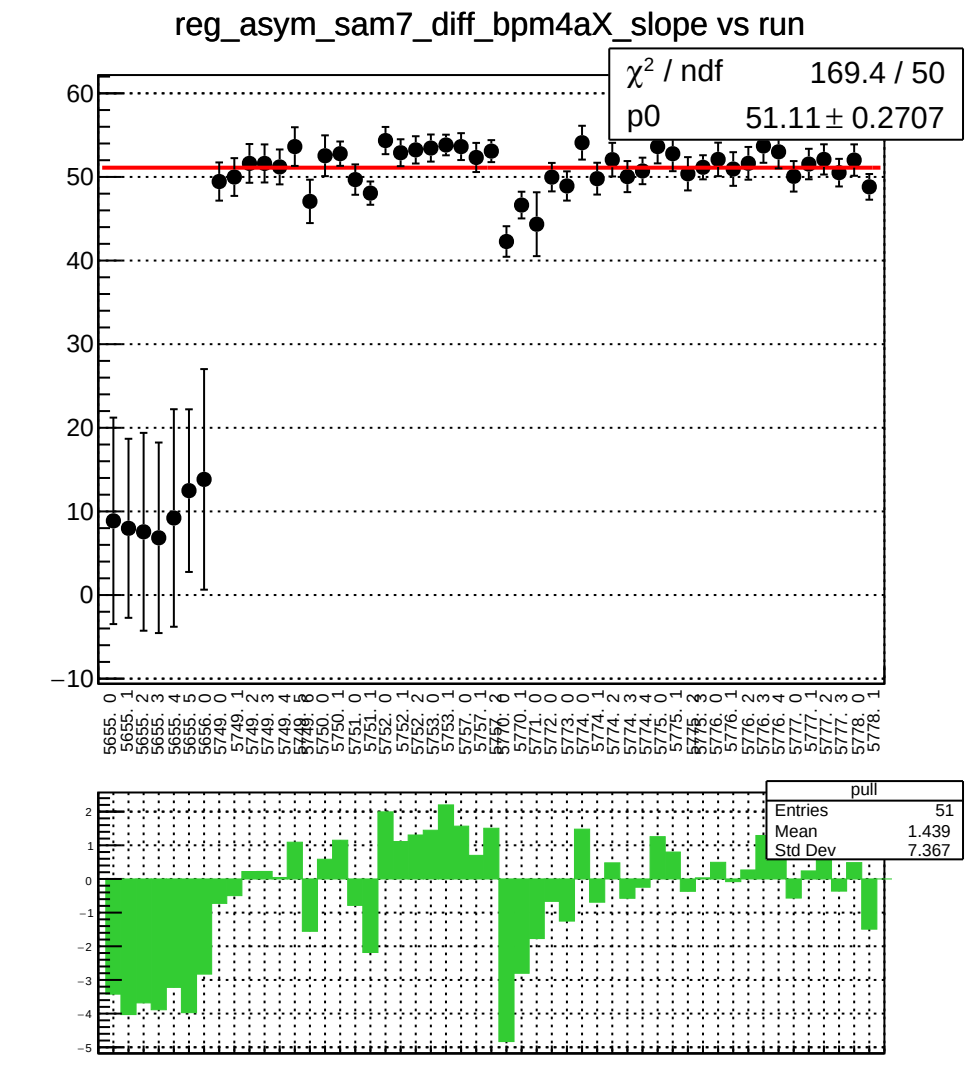

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 50
p0 −10.03 ± 1.009
pull
Entries 51
Mean −1269
Std Dev 1288

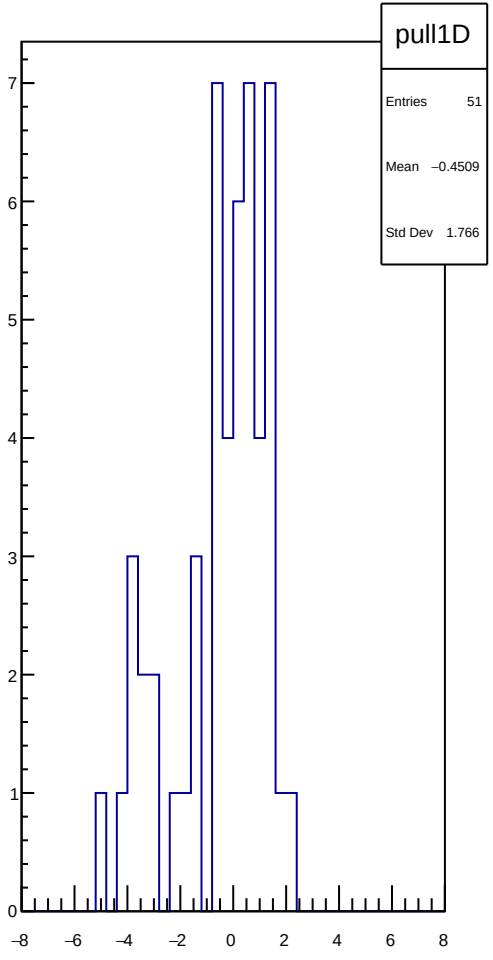

pull1D
Entries 51
Mean 0.008436
Std Dev 1.422

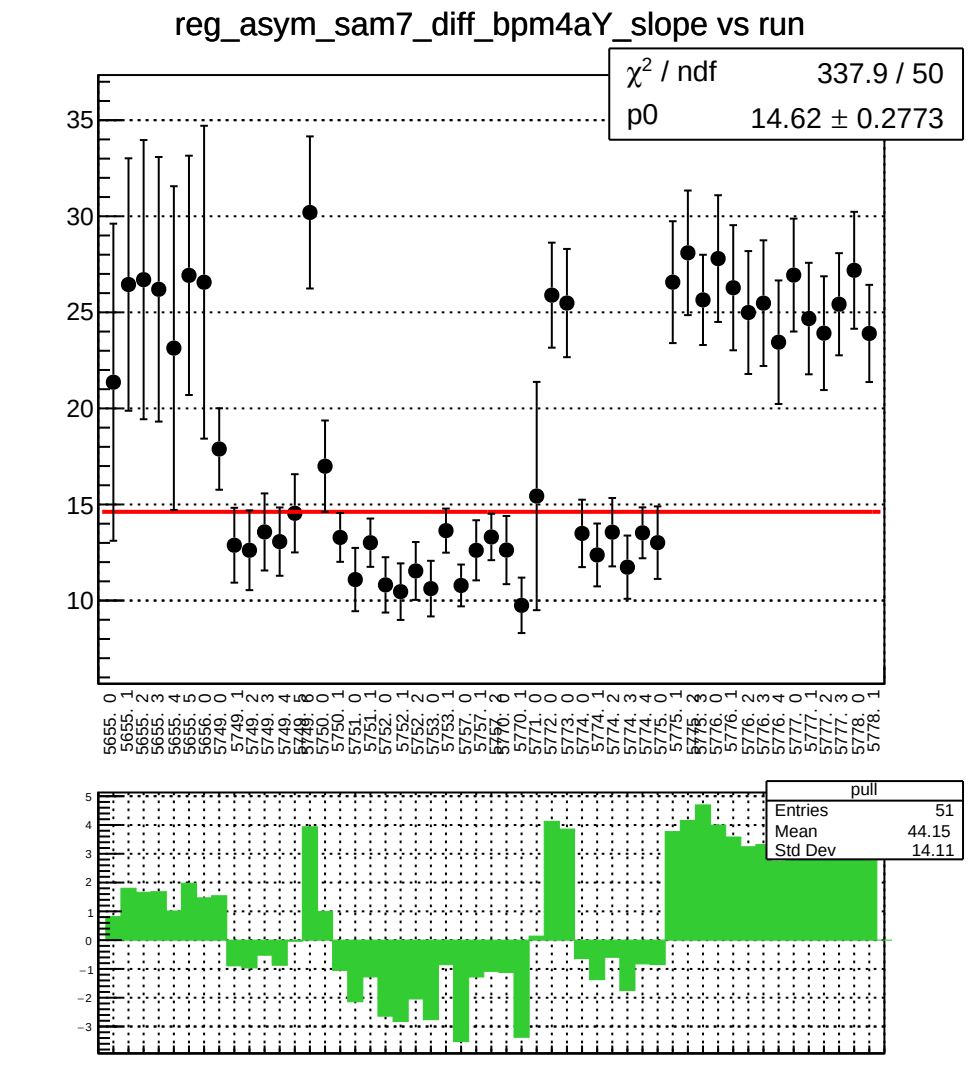

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 412.7 / 50
p0 −20.51 ± 0.8723
pull
Entries 51
Mean 99.75
Std Dev 78.08

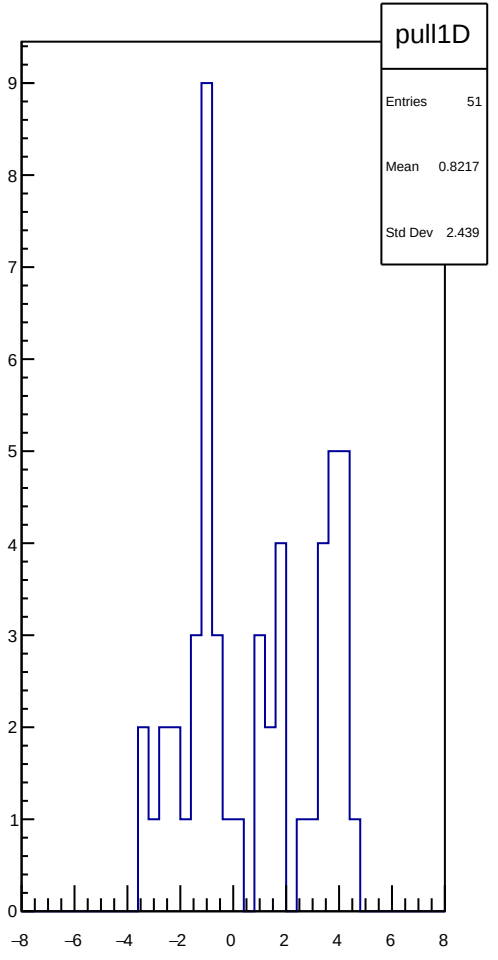

pull1D
Entries 51
Mean 0.3316
Std Dev 2.825

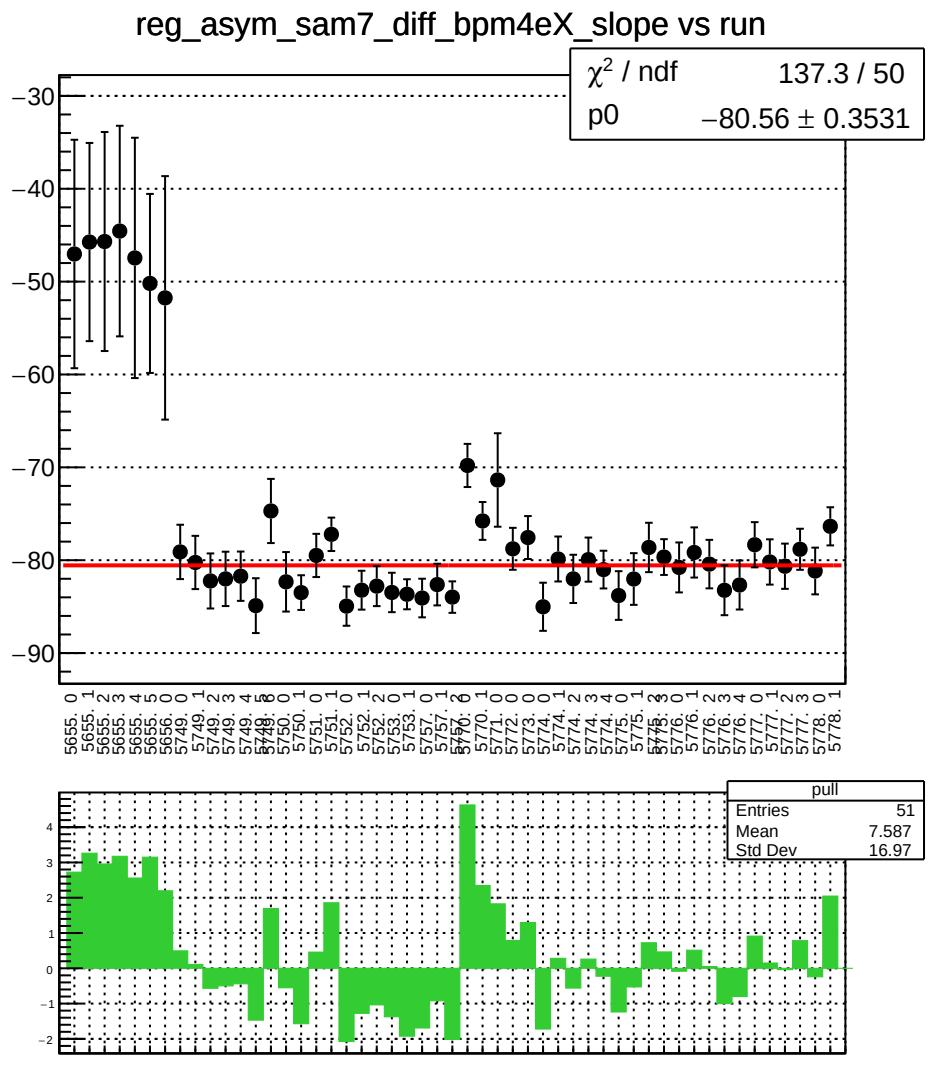

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 121.2 / 50
p0 0.5182 ± 0.03715
pull
Entries 51
Mean 41.18
Std Dev 16.43
pull1D
Entries 51
Mean −0.6759
Std Dev 1.385

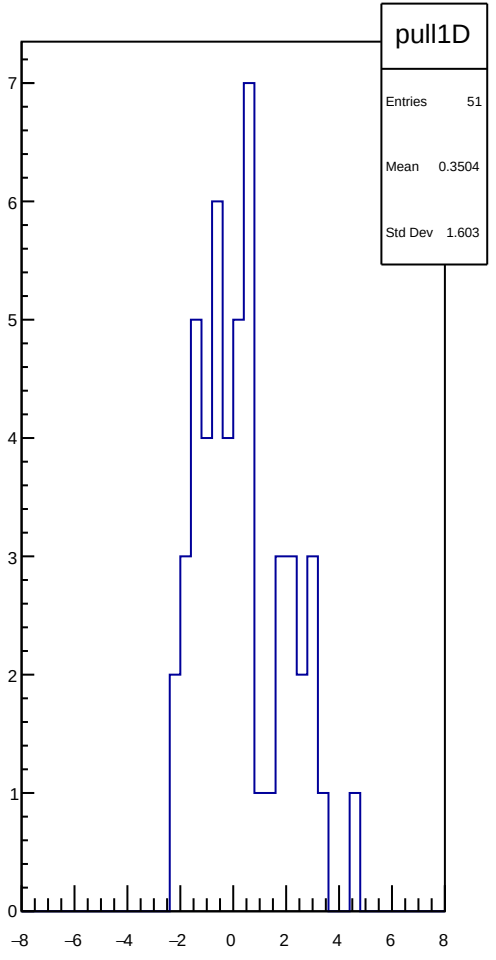

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 169.4 / 50
p0 51.11 ± 0.2707
pull
Entries 51
Mean 1.439
Std Dev 7.367

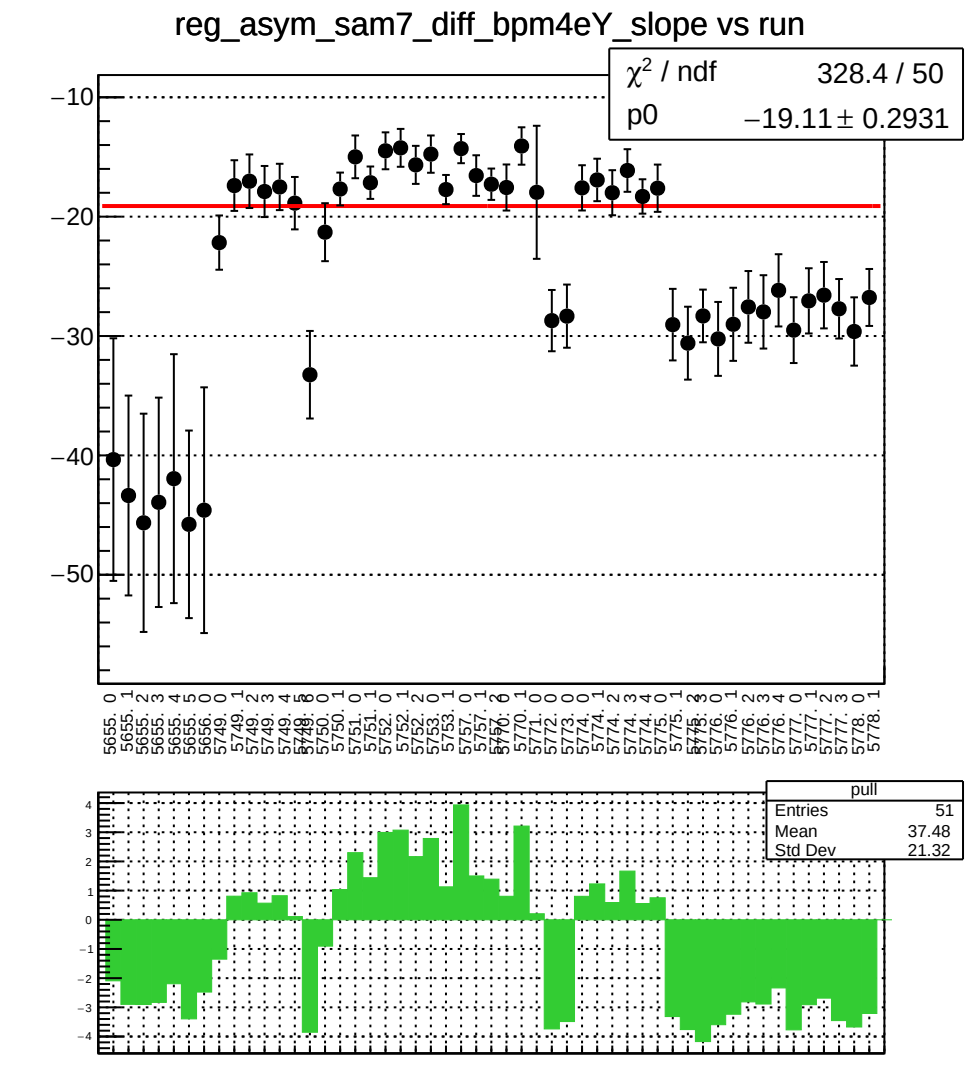

pull1D
Entries 51
Mean −0.4509
Std Dev 1.766

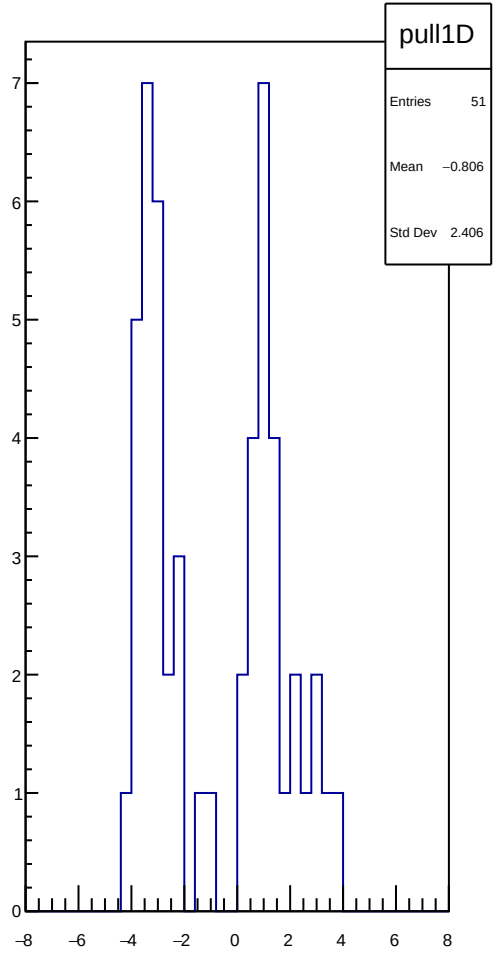

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 337.9 / 50
p0 14.62 ± 0.2773
pull
Entries 51
Mean 44.15
Std Dev 14.11

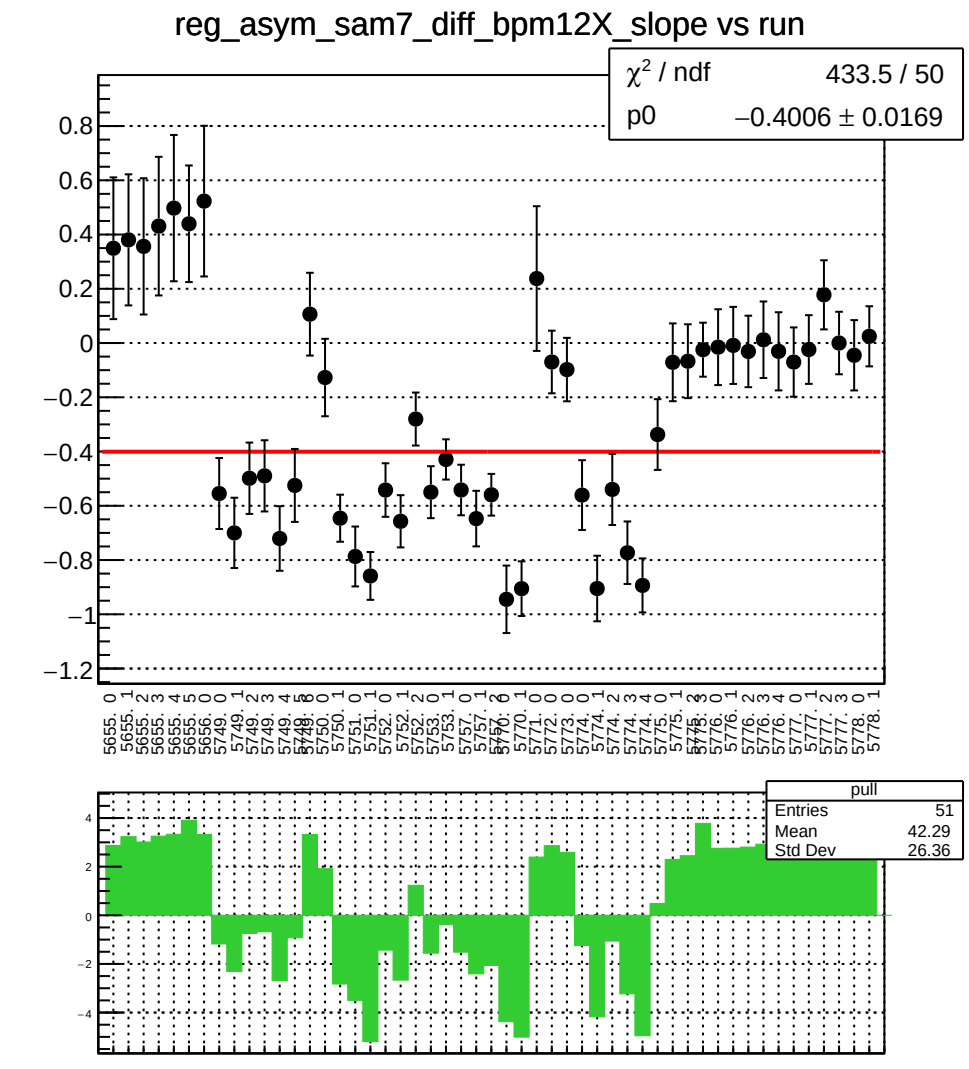

pull1D
Entries 51
Mean 0.8217
Std Dev 2.439

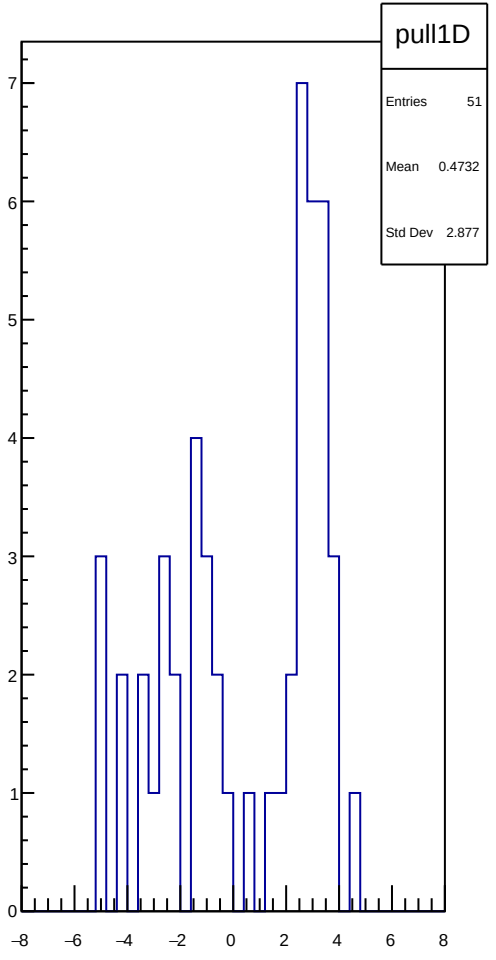

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 137.3 / 50
p0 −80.56 ± 0.3531
pull
Entries 51
Mean 7.587
Std Dev 16.97

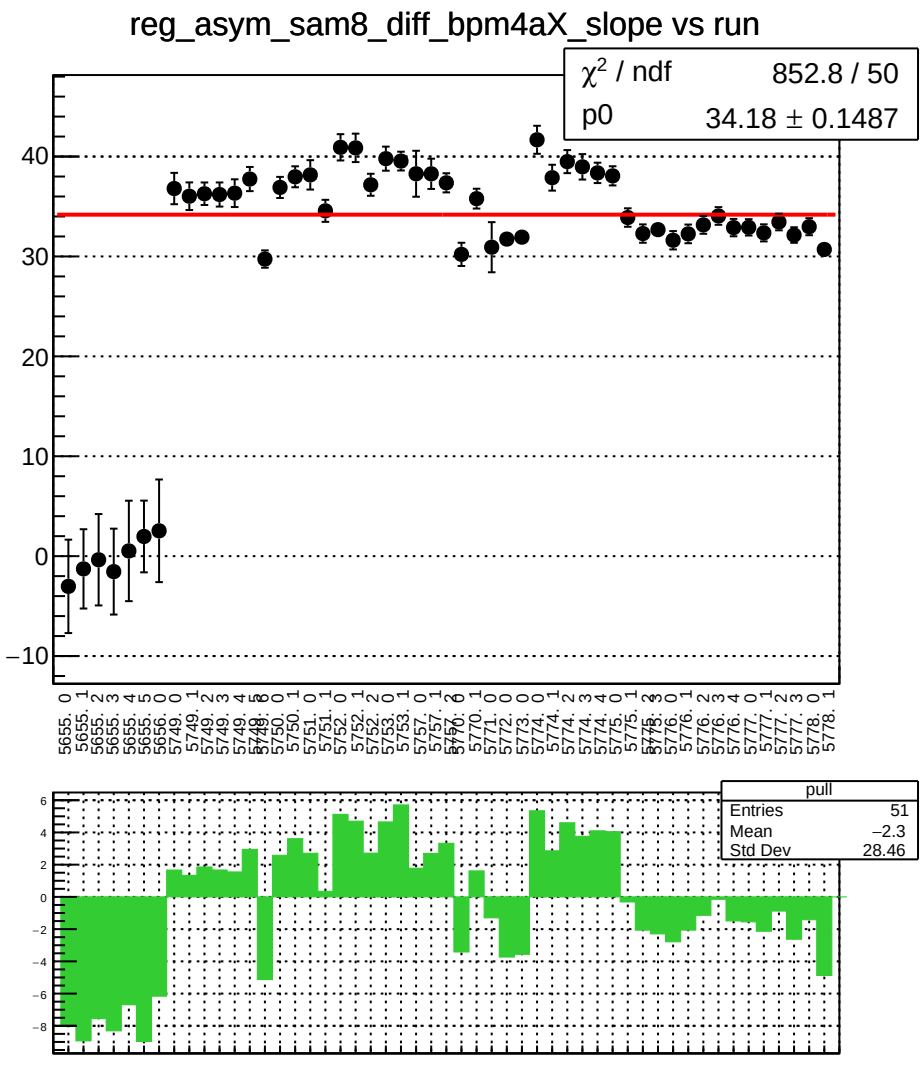

pull1D
Entries 51
Mean 0.3504
Std Dev 1.603

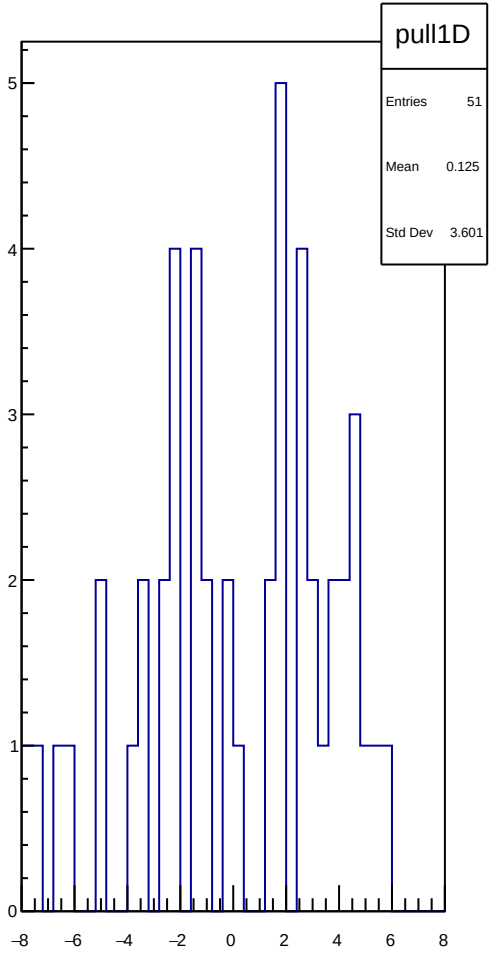

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 328.4 / 50
p0 −19.11 ± 0.2931
−10
−20
−30
−40
−50
pull
Entries 51
Mean 37.48
Std Dev 21.32

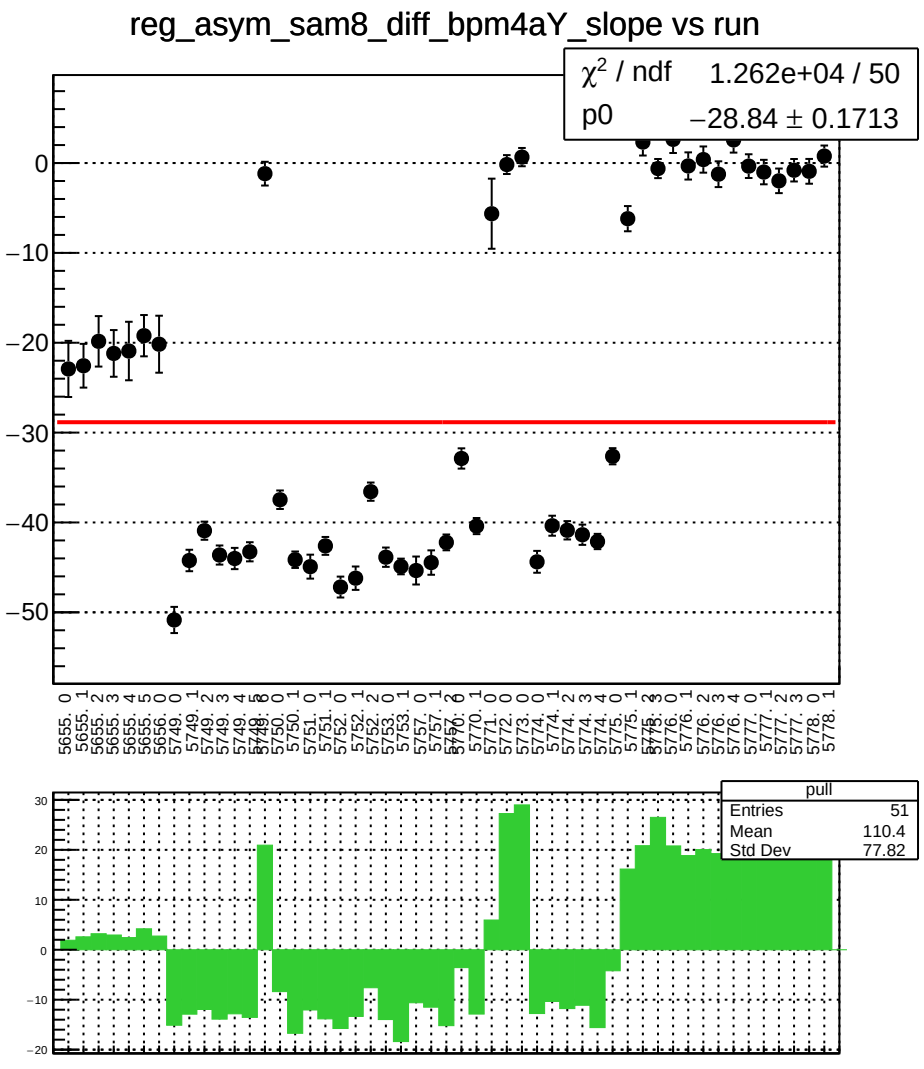

pull1D
Entries 51
Mean −0.806
Std Dev 2.406

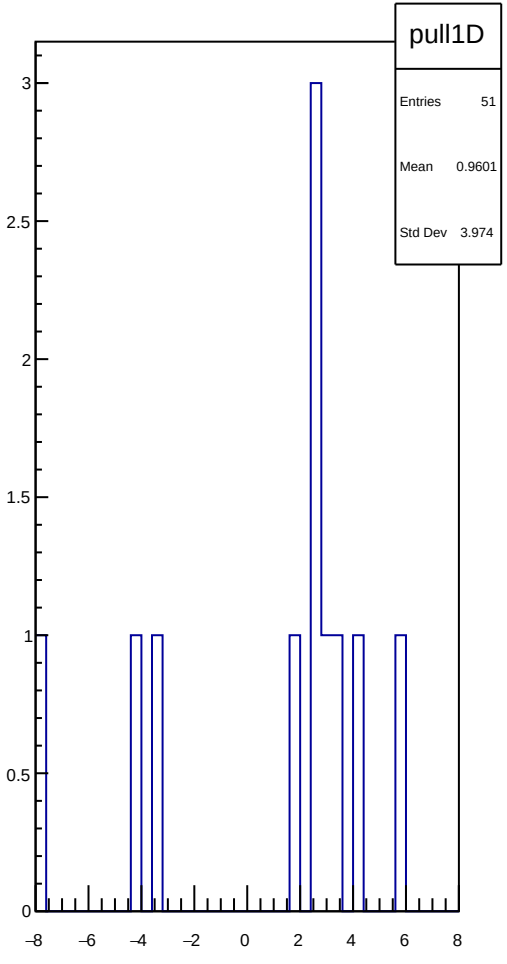

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 433.5 / 50
p0 −0.4006 ± 0.0169
pull
Entries 51
Mean 42.29
Std Dev 26.36

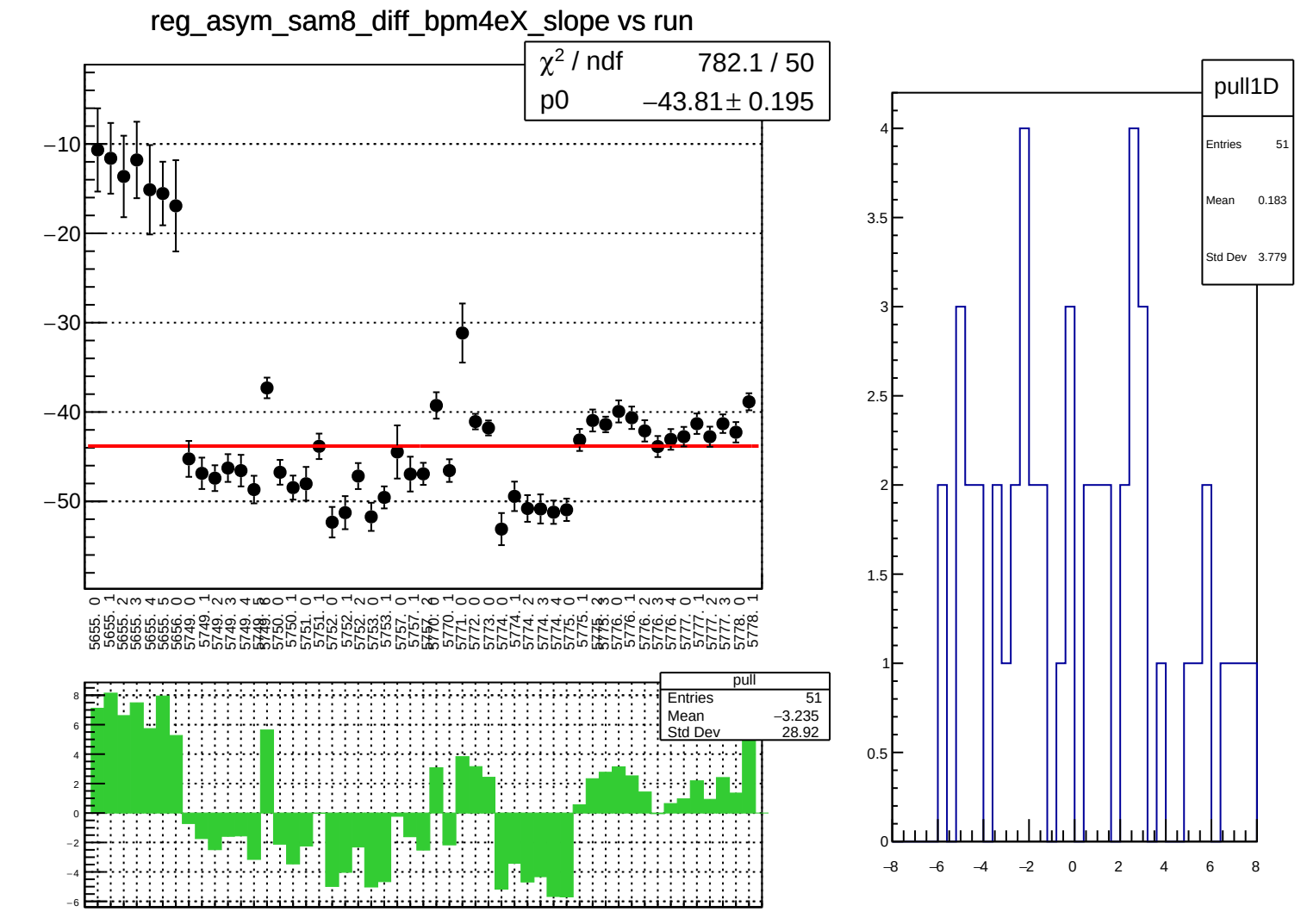

pull1D
Entries 51
Mean 0.4732
Std Dev 2.877

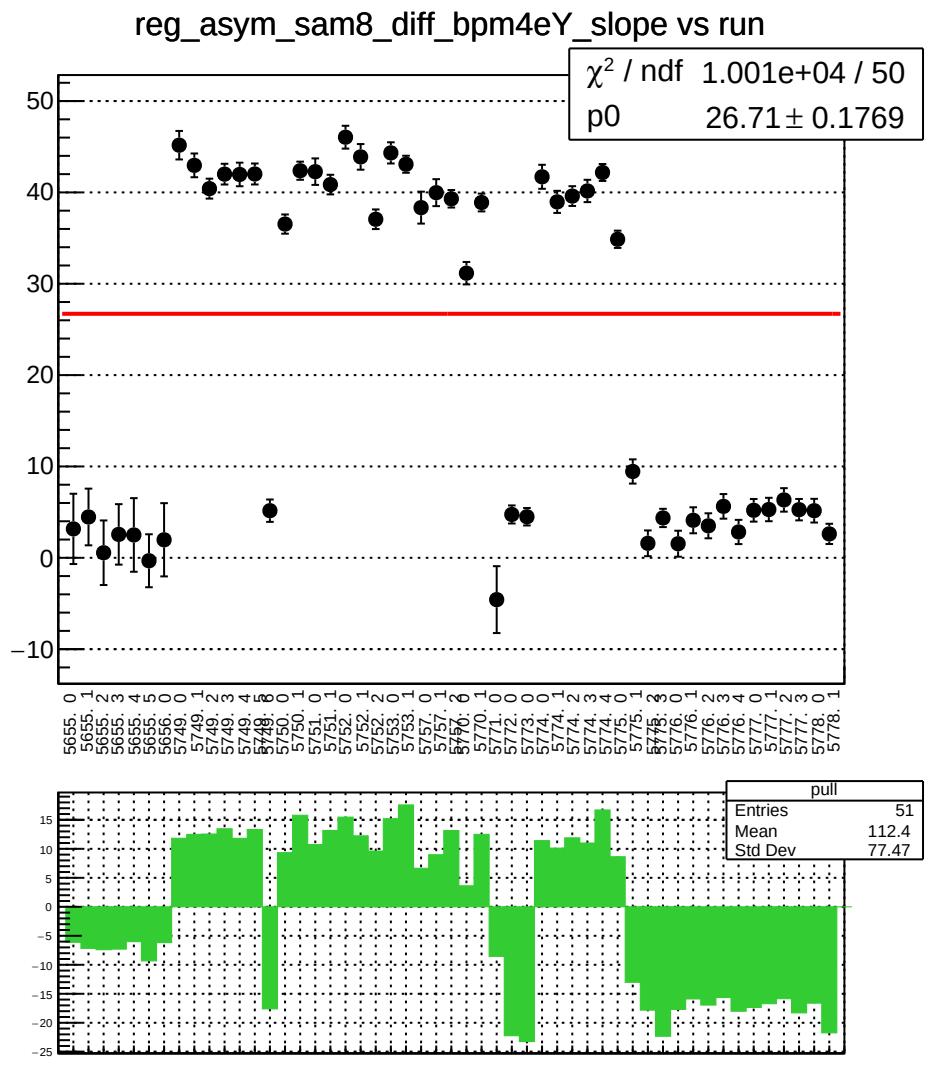

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 852.8 / 50
p0 34.18 ± 0.1487
pull
Entries 51
Mean −2.3
Std Dev 28.46

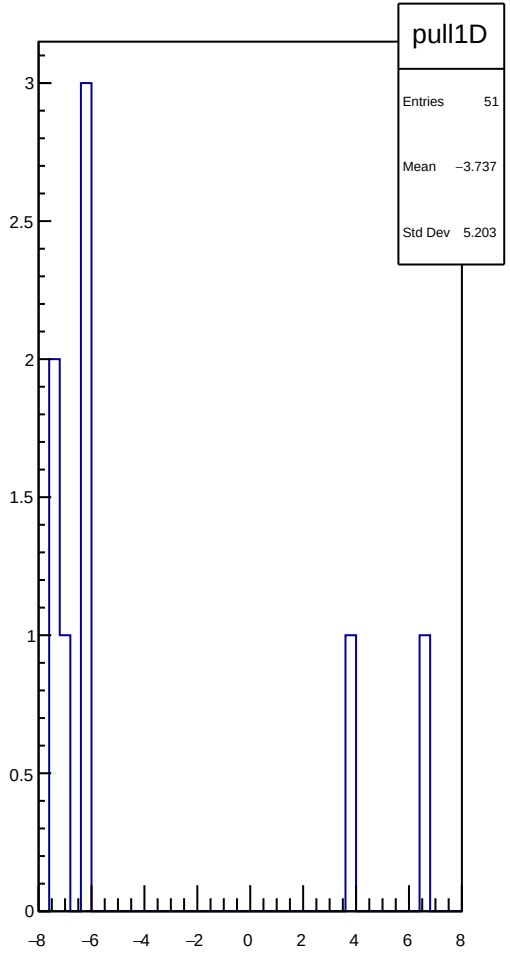

pull1D
Entries 51
Mean 0.125
Std Dev 3.601

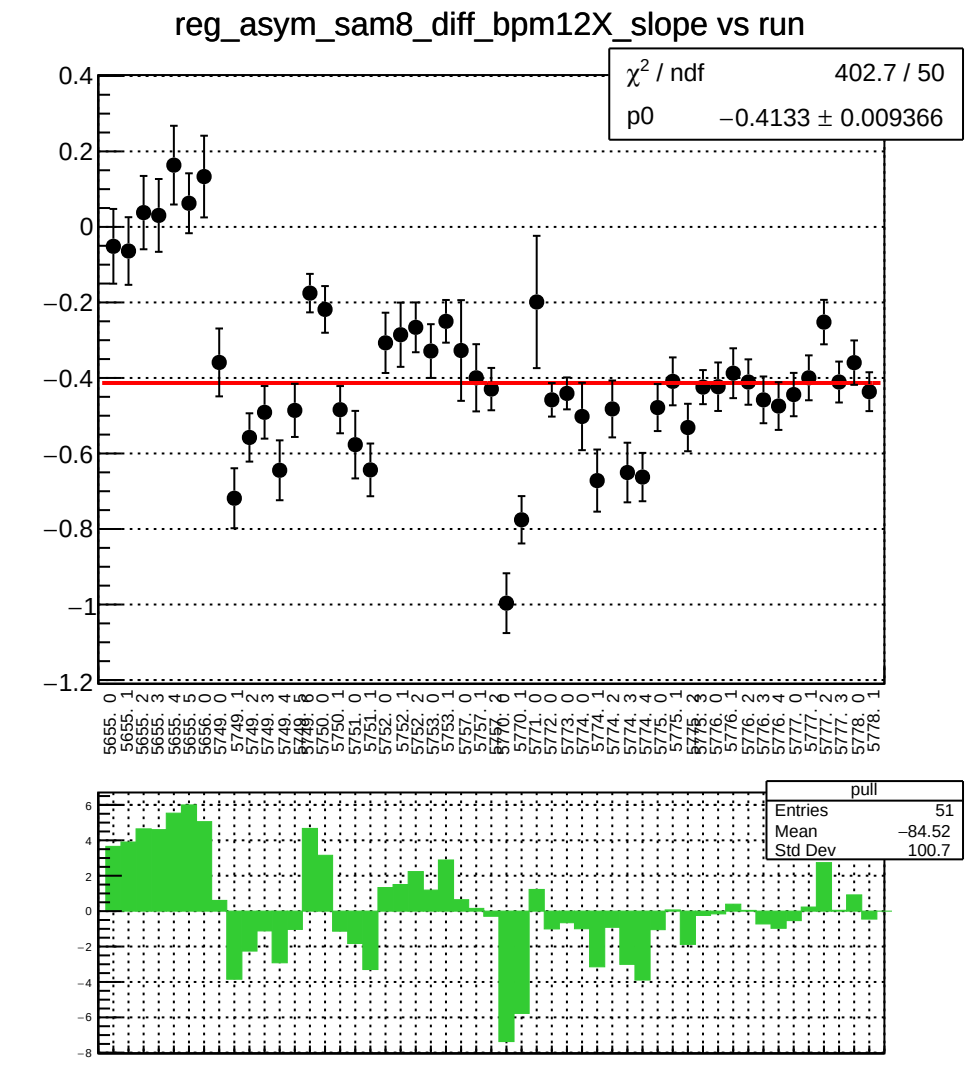

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1.262e+04 / 50
p0 −28.84 ± 0.1713
pull
Entries 51
Mean 110.4
Std Dev 77.82

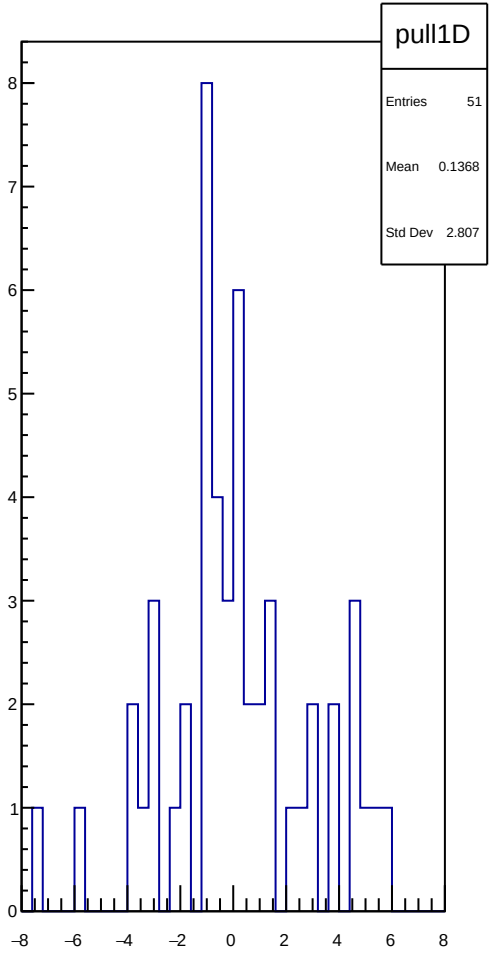

pull1D
Entries 51
Mean 0.9601
Std Dev 3.974

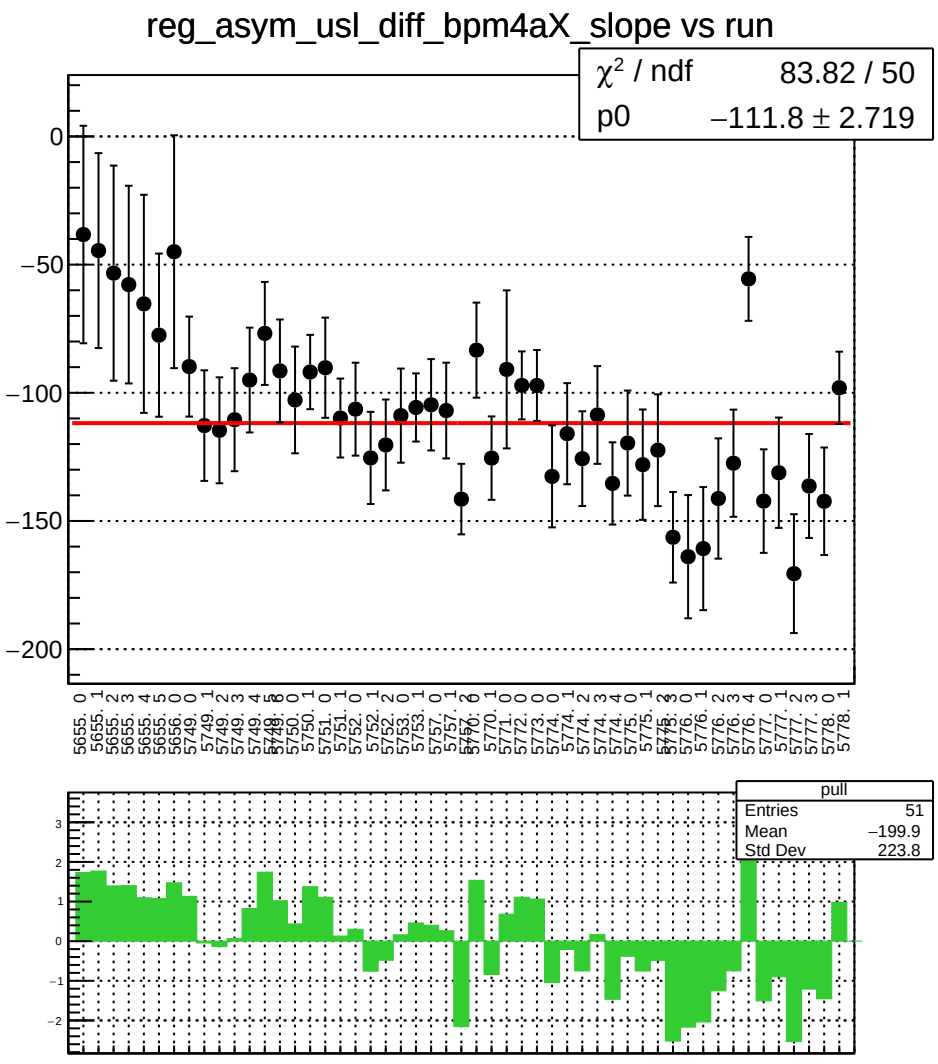

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 782.1 / 50
p0 −43.81 ± 0.195
pull
Entries 51
Mean −3.235
Std Dev 28.92
pull1D
Entries 51
Mean 0.183
Std Dev 3.779

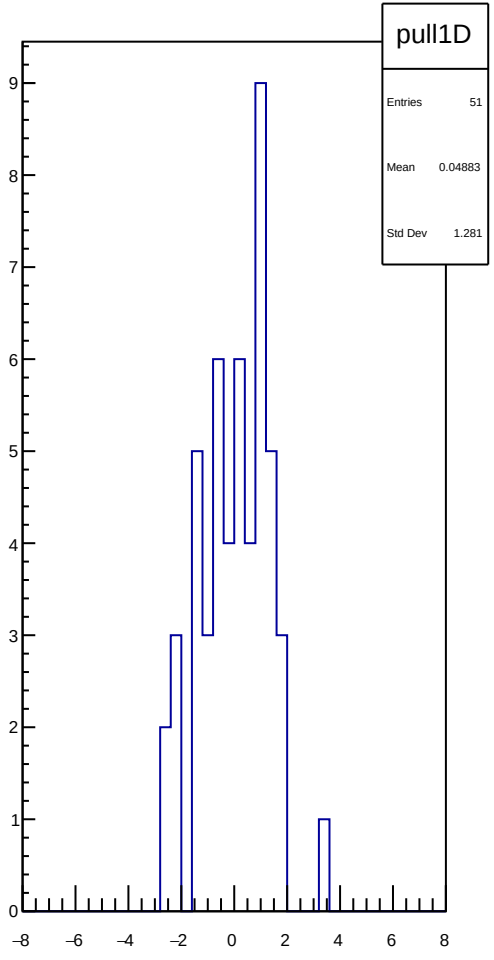

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1.001e+04 / 50
p0 26.71 ± 0.1769
pull
Entries 51
Mean 112.4
Std Dev 77.47

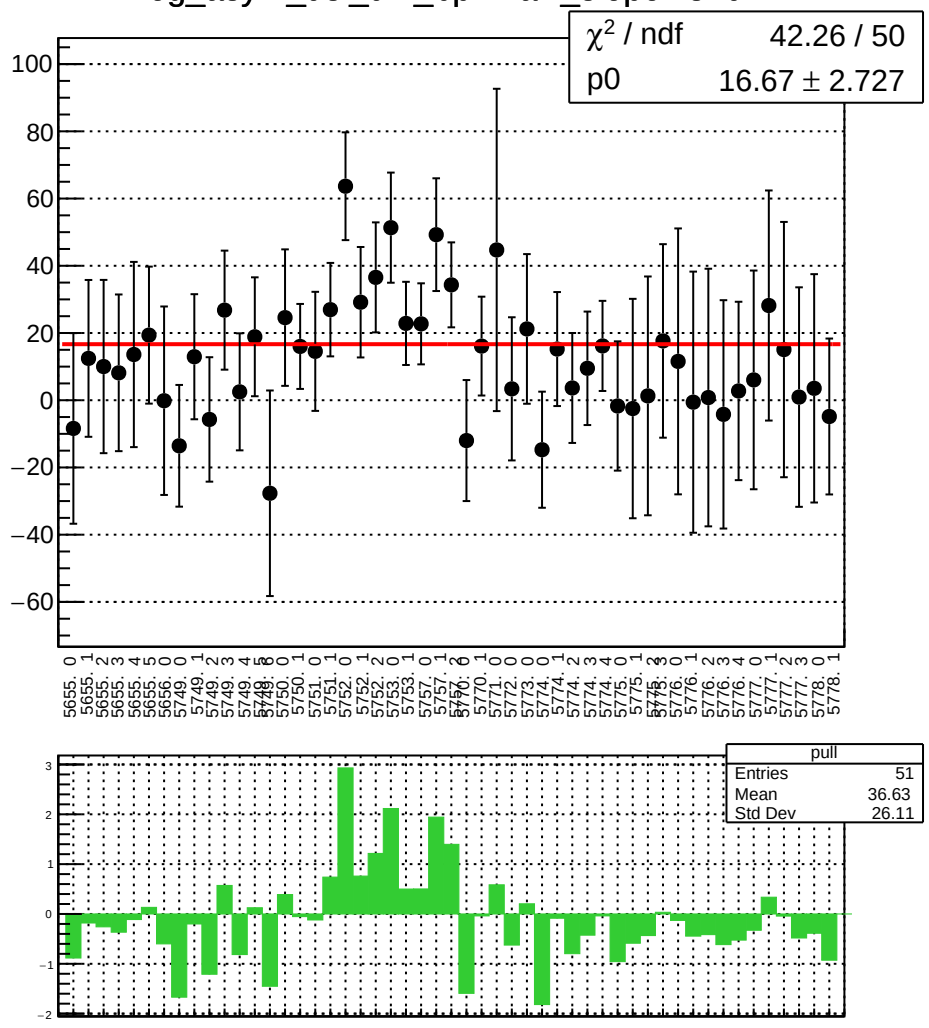

pull1D
Entries 51
Mean −3.737
Std Dev 5.203

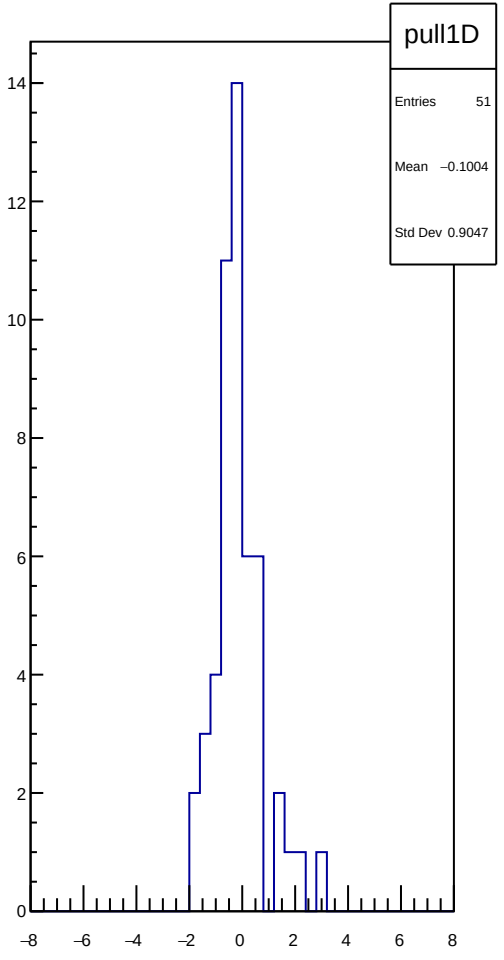

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 402.7 / 50
p0 −0.4133 ± 0.009366
pull
Entries 51
Mean −84.52
Std Dev 100.7

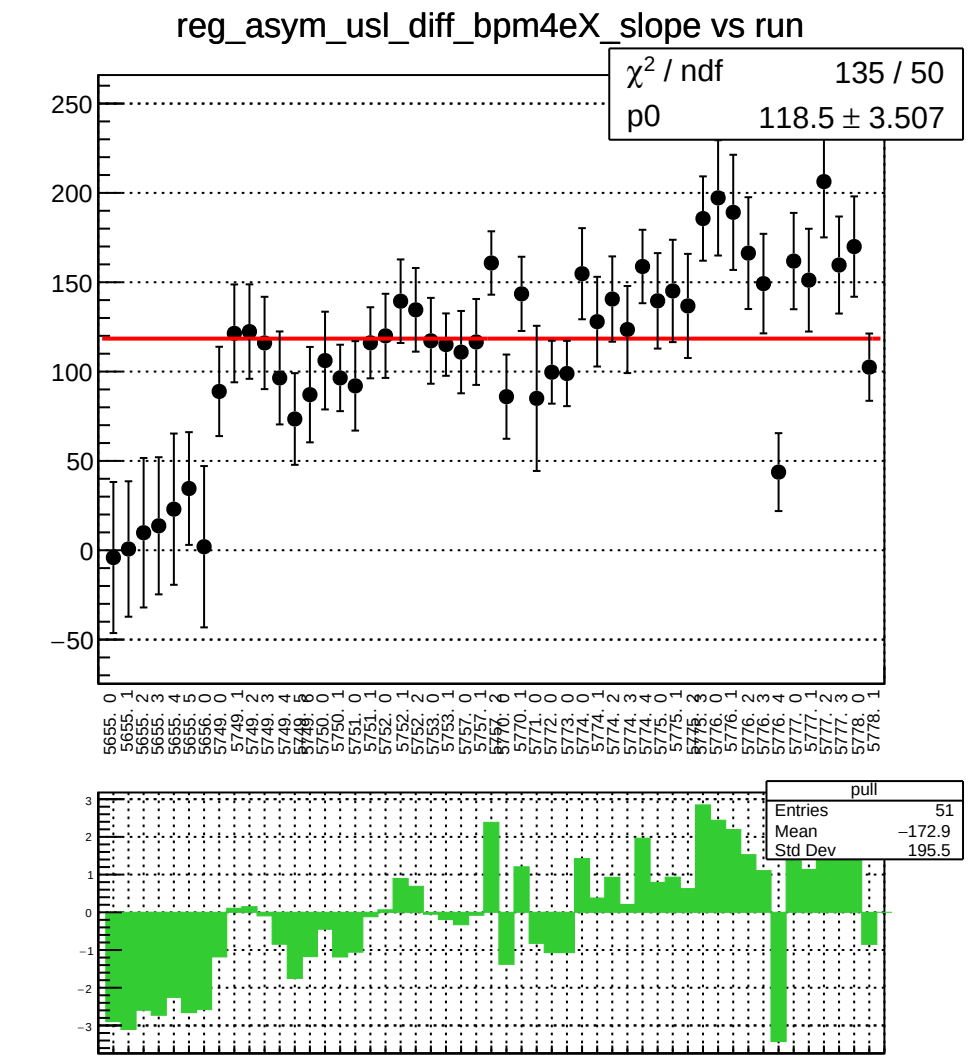

pull1D
Entries 51
Mean 0.1368
Std Dev 2.807

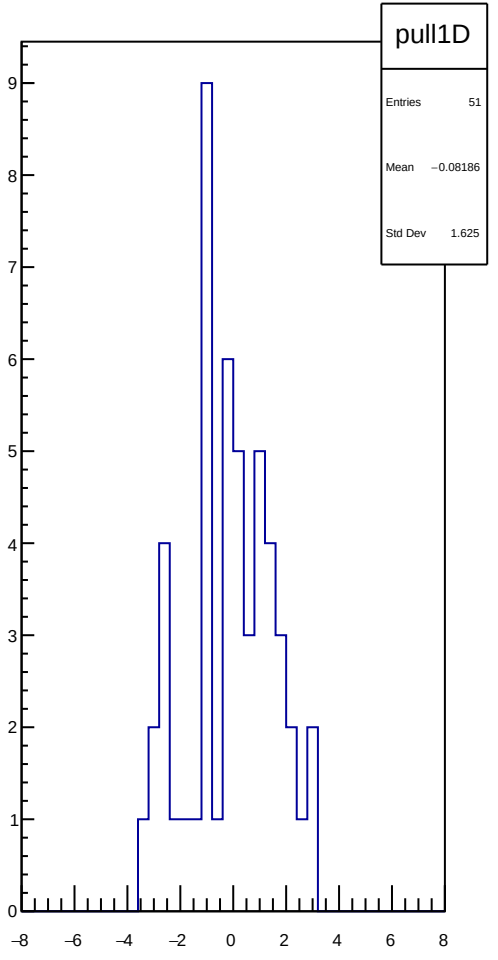

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 83.82 / 50
p0 −111.8 ± 2.719
pull
Entries 51
Mean −199.9
Std Dev 223.8

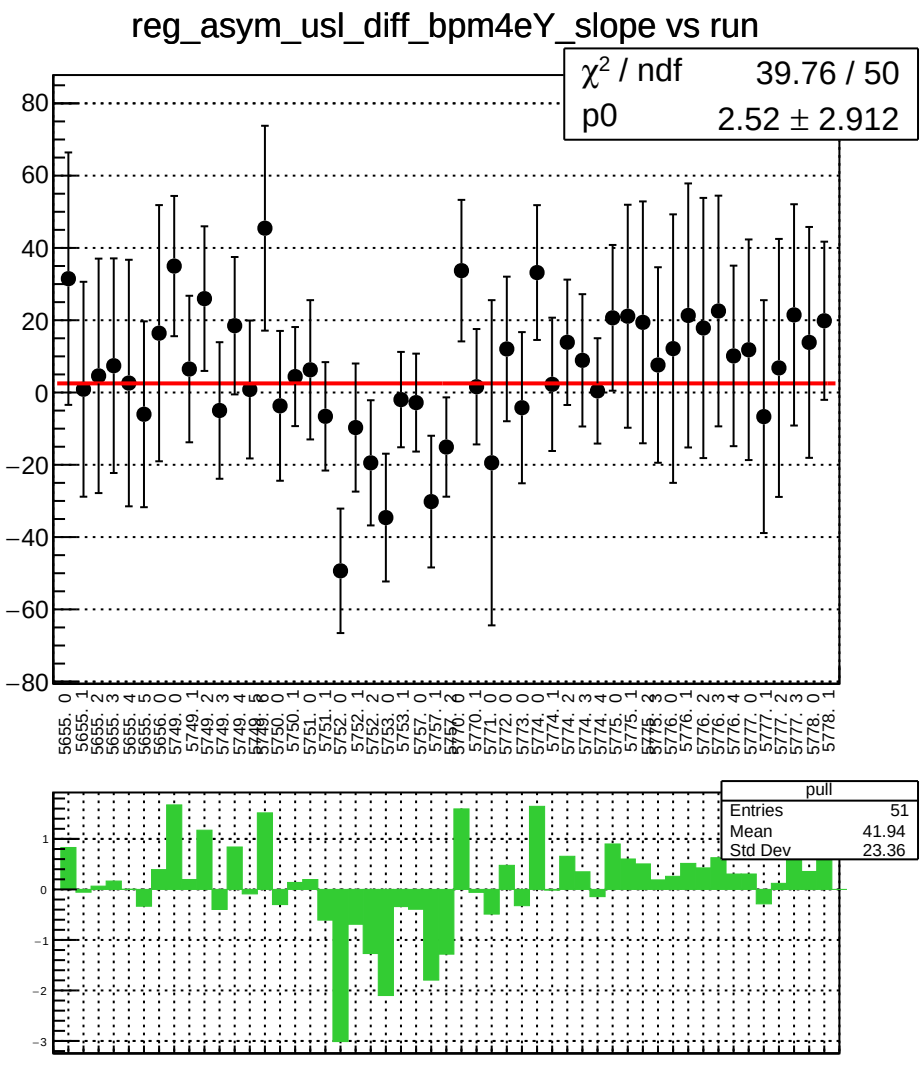

pull1D
Entries 51
Mean 0.04883
Std Dev 1.281

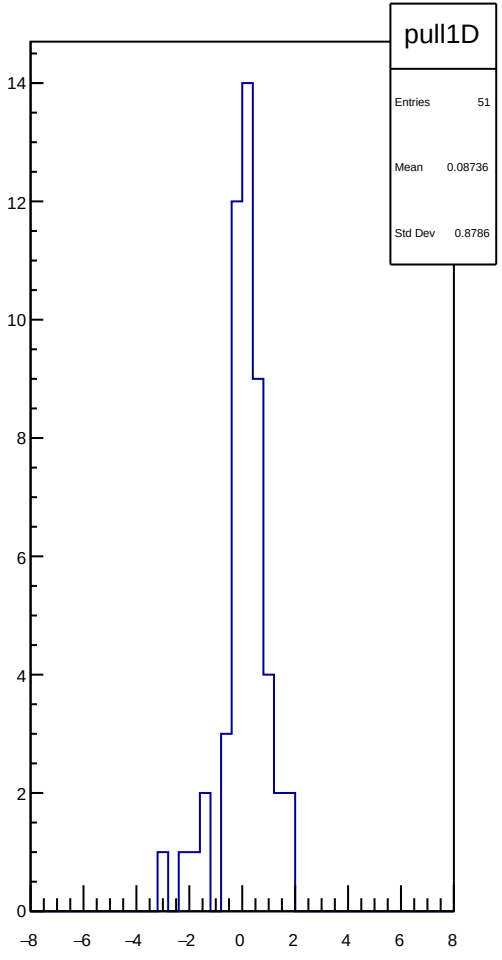

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.26 / 50
p0 16.67 ± 2.727
pull
Entries 51
Mean 36.63
Std Dev 26.11

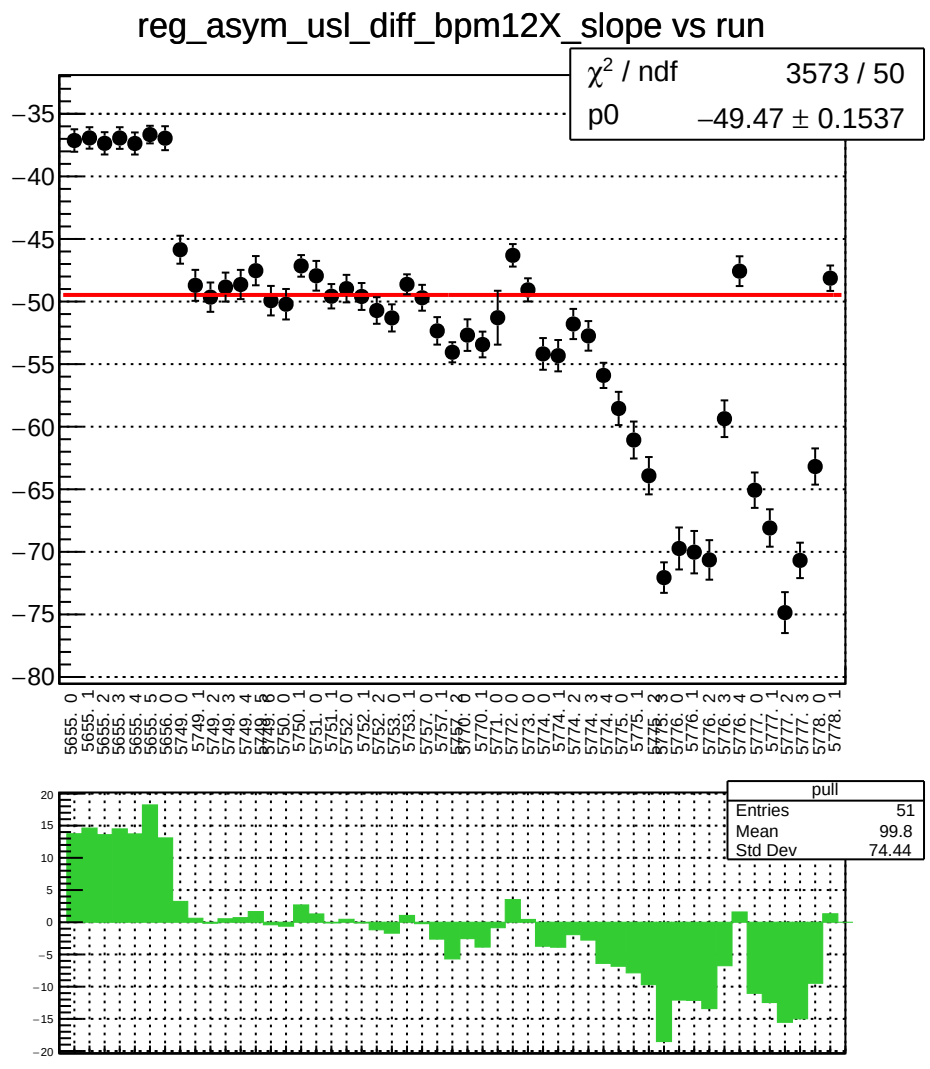

pull1D
Entries 51
Mean −0.1004
Std Dev 0.9047

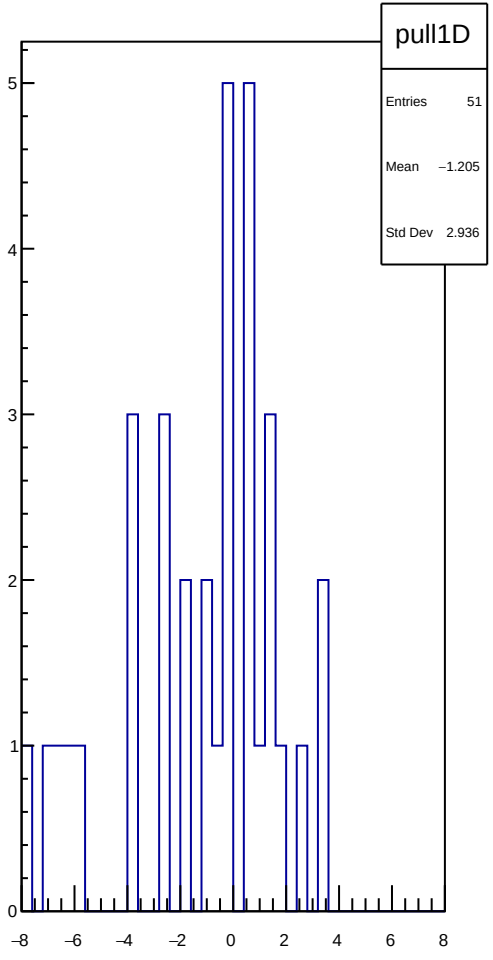

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 135 / 50
p0 118.5 ± 3.507
pull
Entries 51
Mean −172.9
Std Dev 195.5

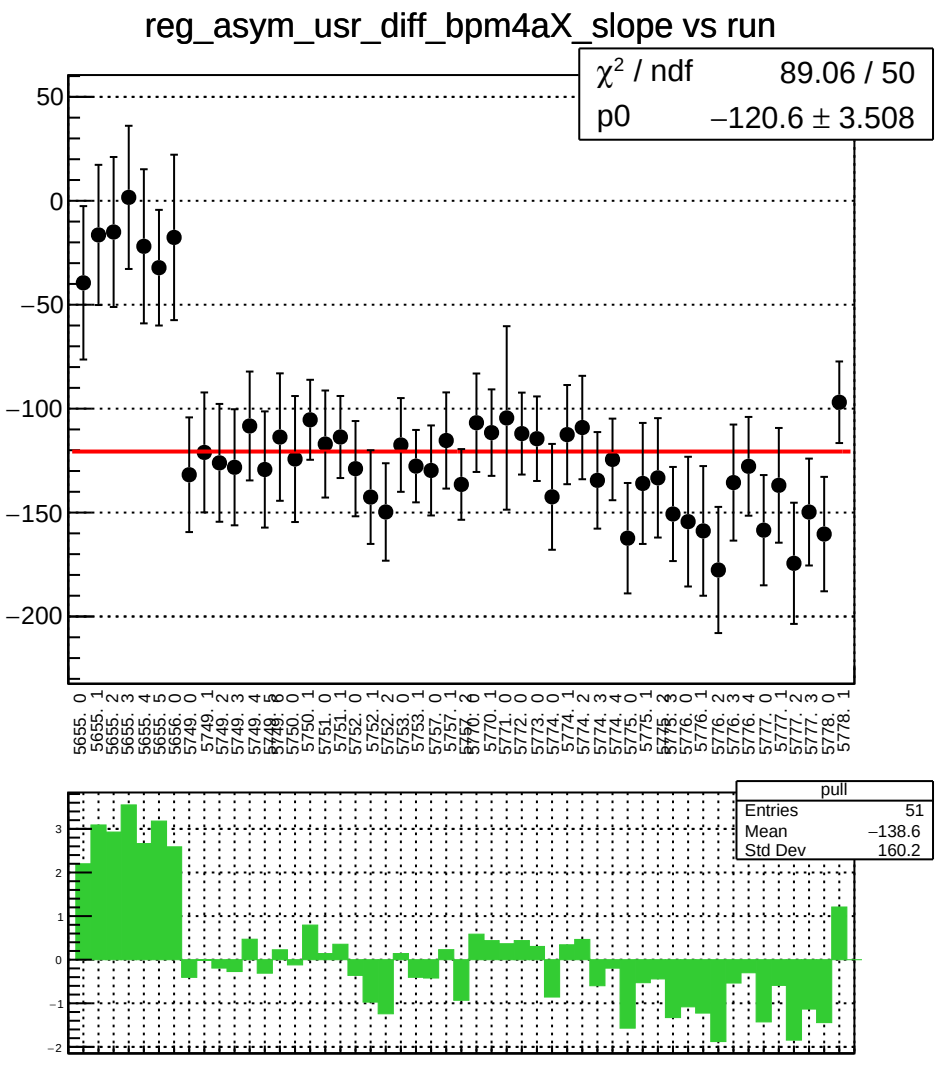

pull1D
Entries 51
Mean −0.08186
Std Dev 1.625

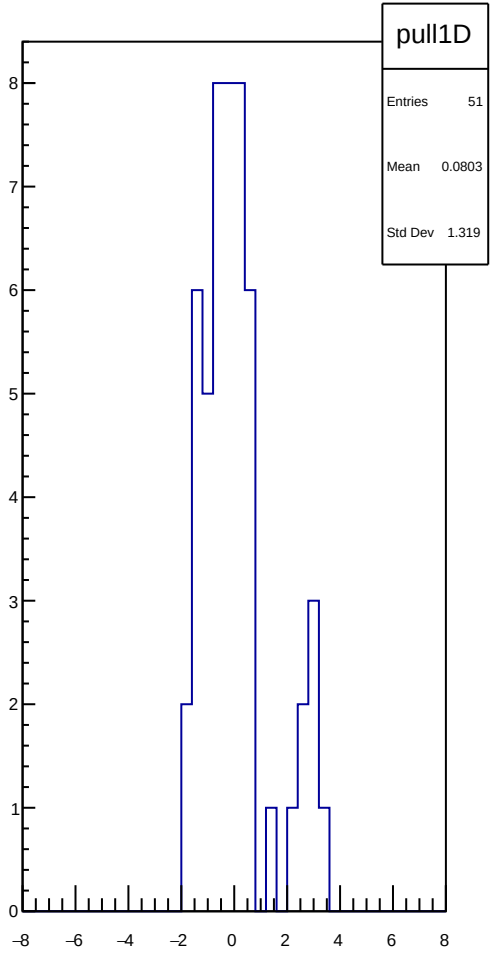

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.76 / 50
p0 2.52 ± 2.912
pull
Entries 51
Mean 41.94
Std Dev 23.36

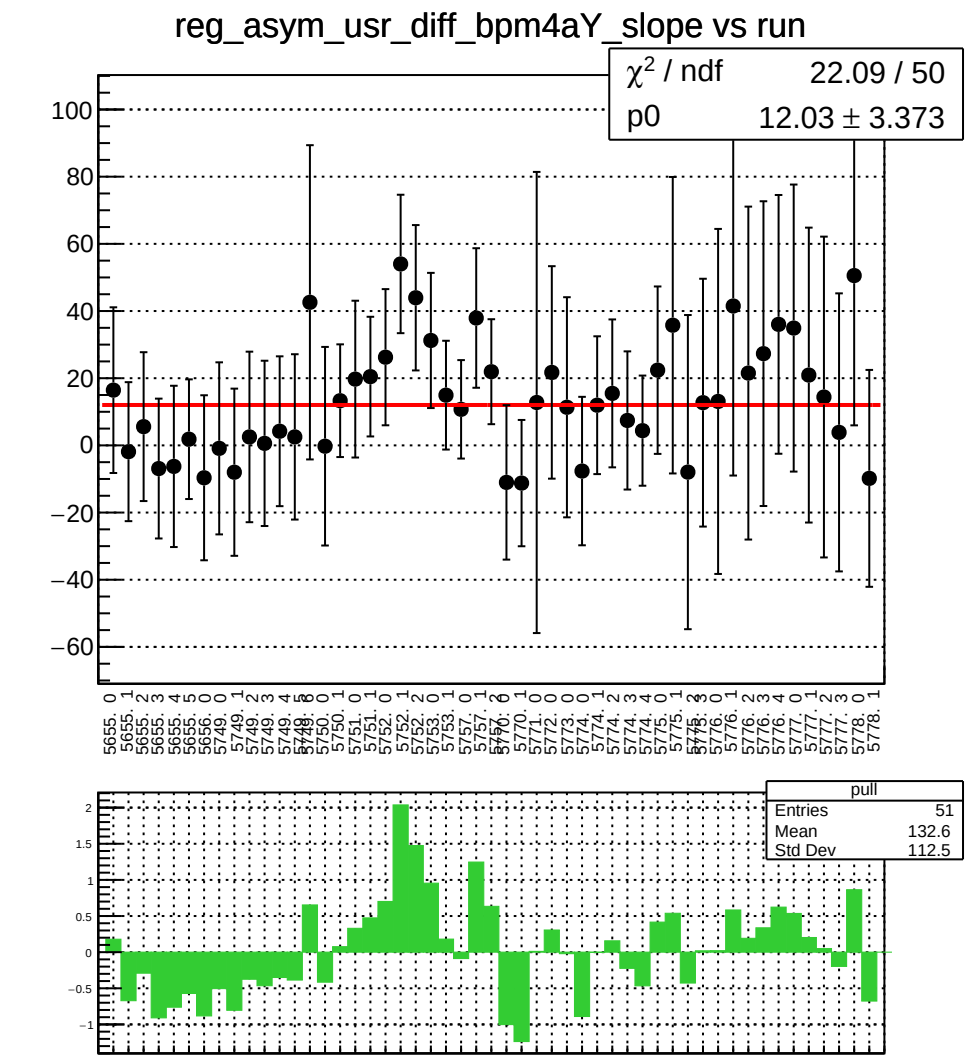

pull1D
Entries 51
Mean 0.08736
Std Dev 0.8786

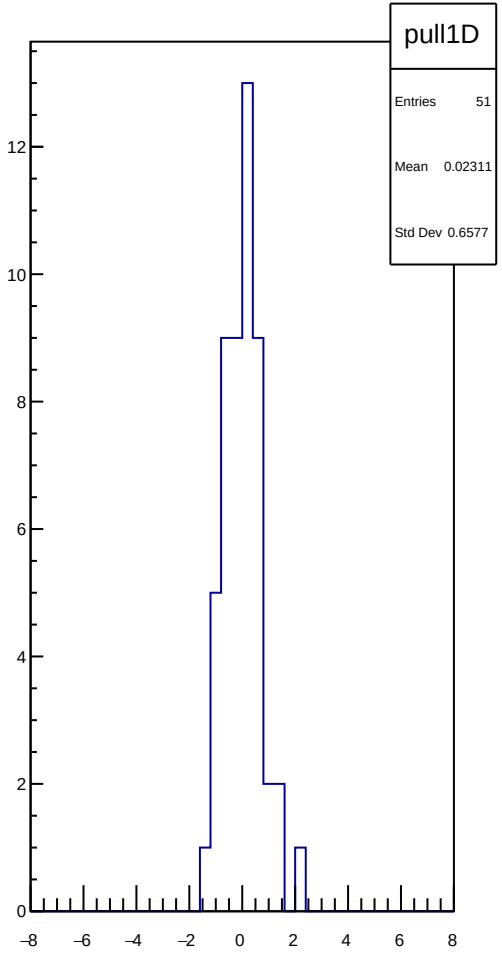

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 3573 / 50
p0 −49.47 ± 0.1537
pull
Entries 51
Mean 99.8
Std Dev 74.44

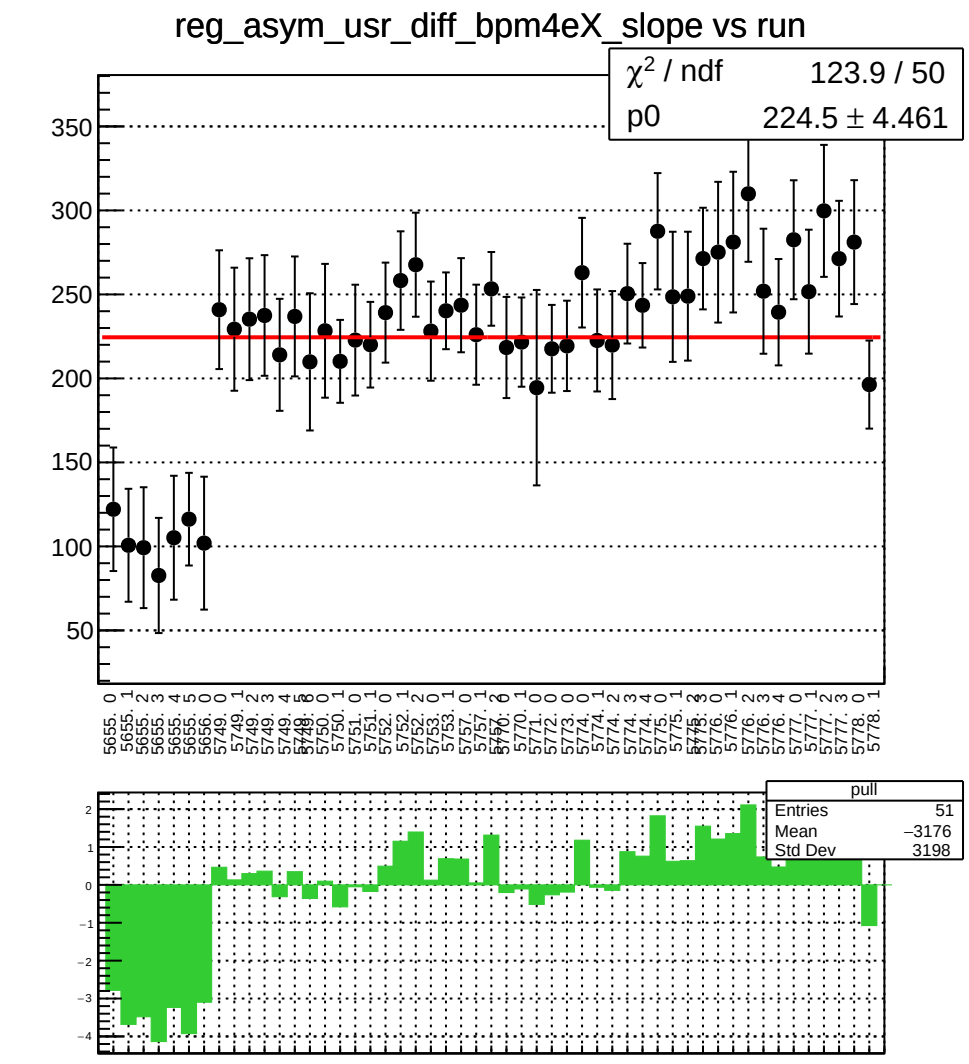

pull1D
Entries 51
Mean −1.205
Std Dev 2.936

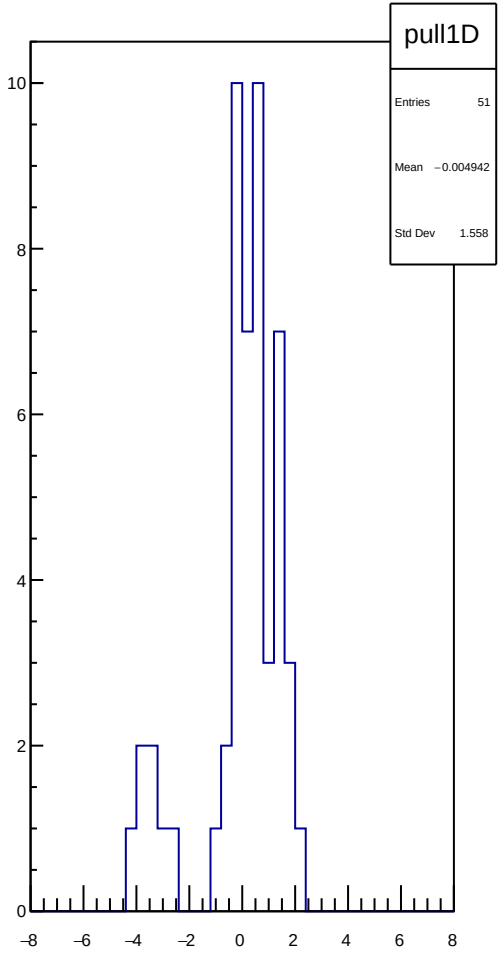

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 89.06 / 50
p0 −120.6 ± 3.508
pull
Entries 51
Mean −138.6
Std Dev 160.2

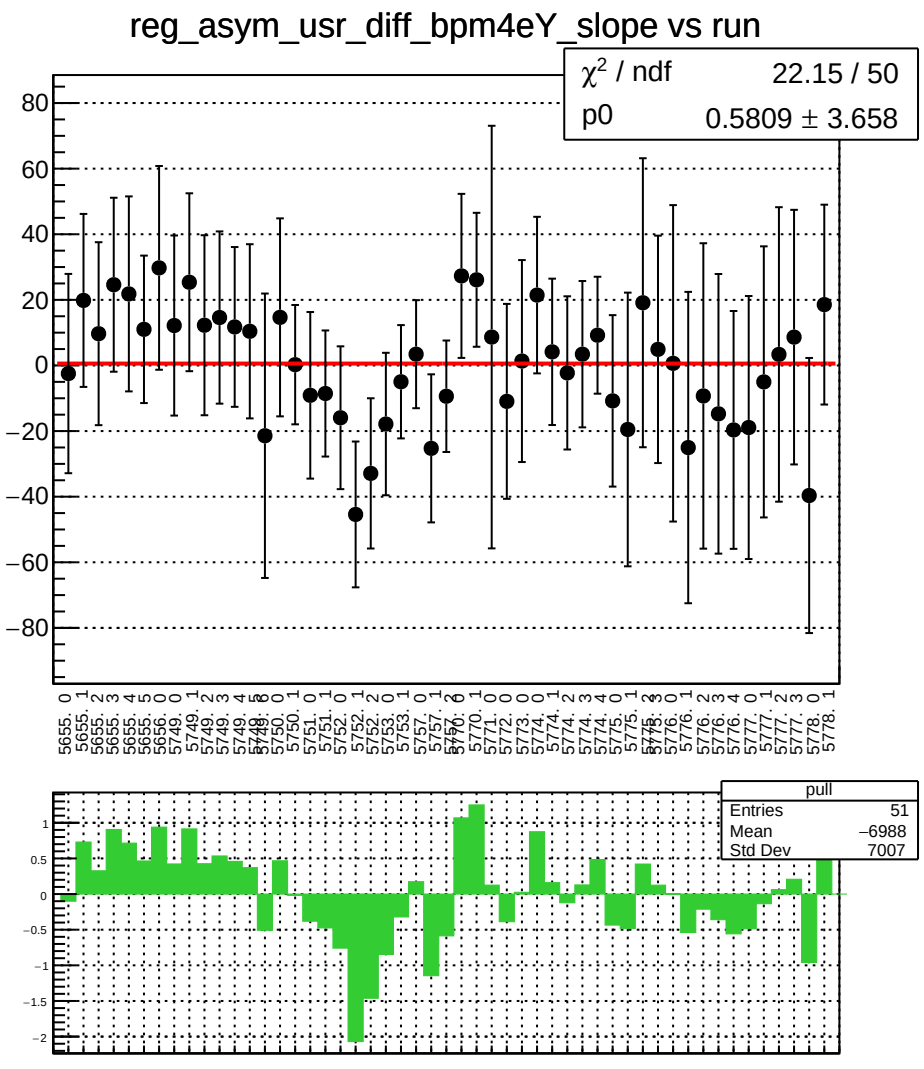

pull1D
Entries 51
Mean 0.0803
Std Dev 1.319

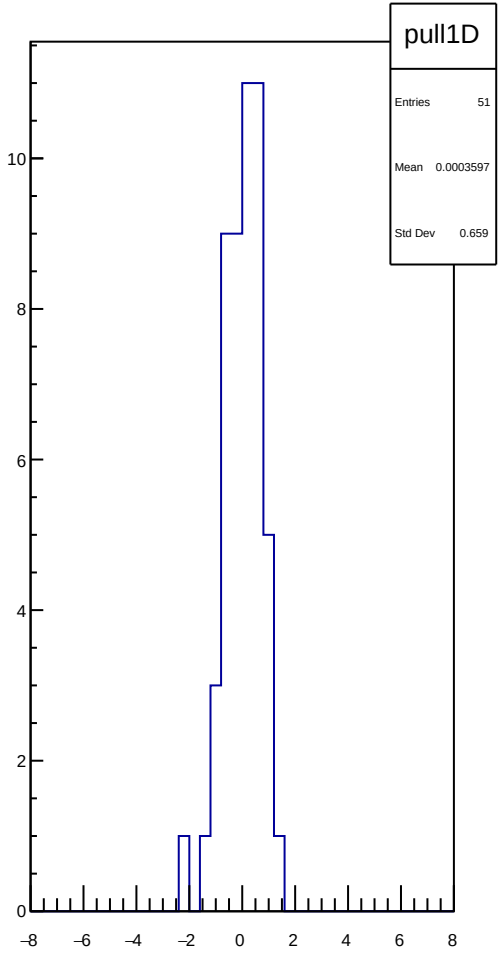

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 22.09 / 50
p0 12.03 ± 3.373
pull
Entries 51
Mean 132.6
Std Dev 112.5

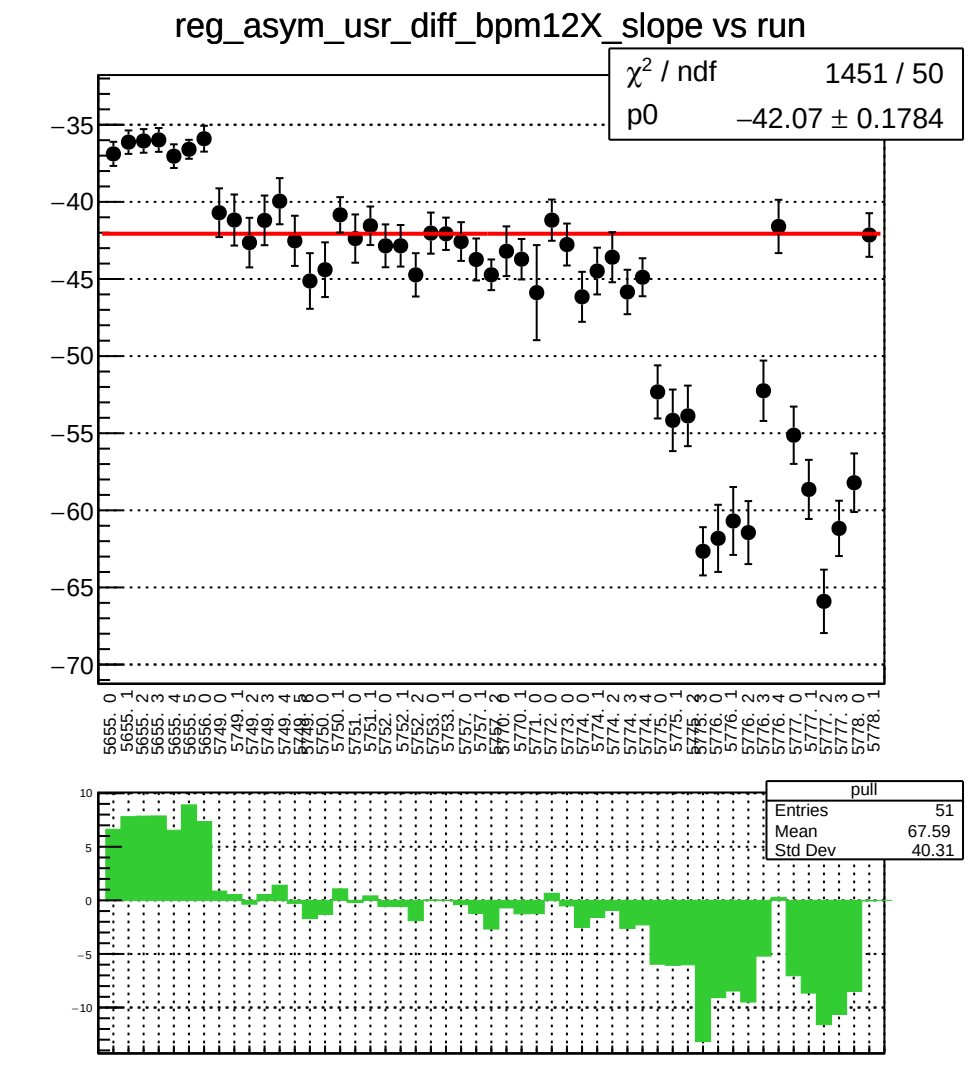

pull1D
Entries 51
Mean 0.02311
Std Dev 0.6577

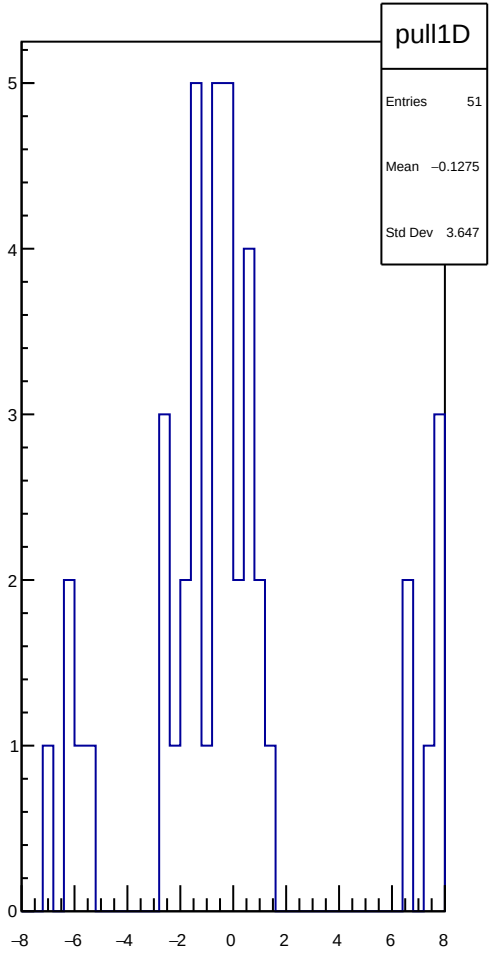

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 123.9 / 50
p0 224.5 ± 4.461
pull
Entries 51
Mean −3176
Std Dev 3198

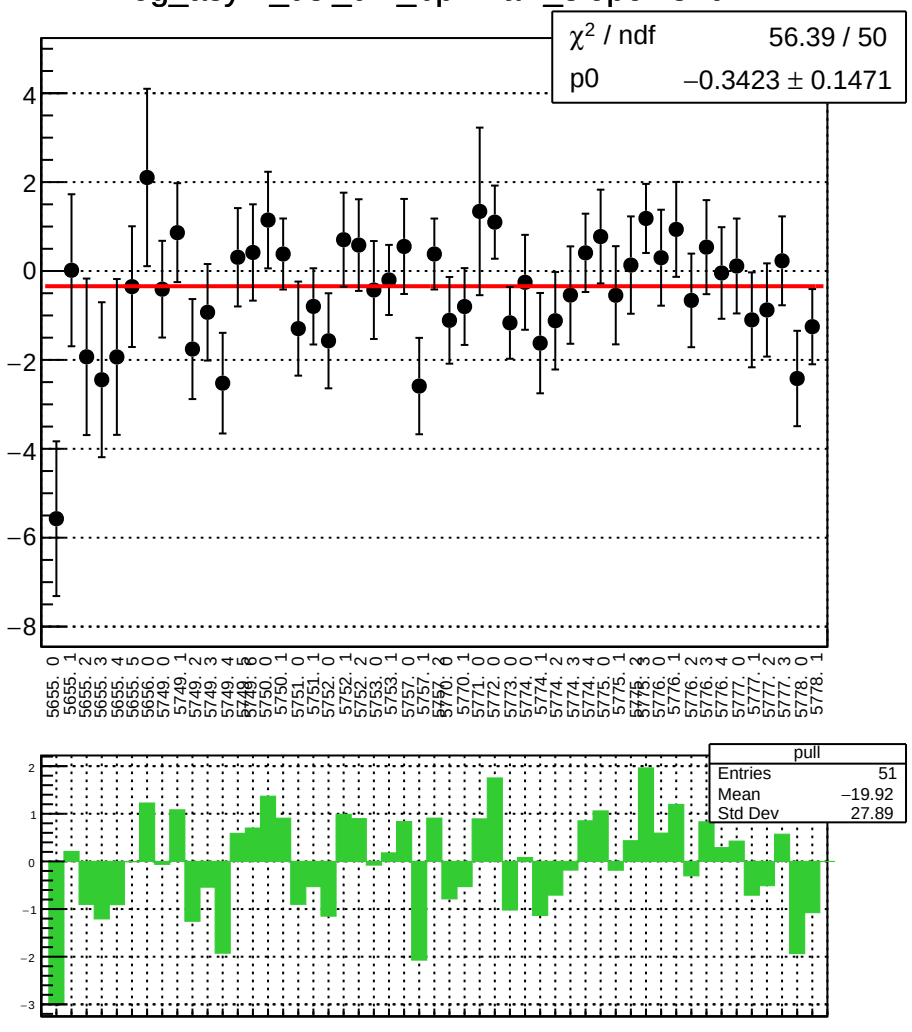

pull1D
Entries 51
Mean −0.004942
Std Dev 1.558

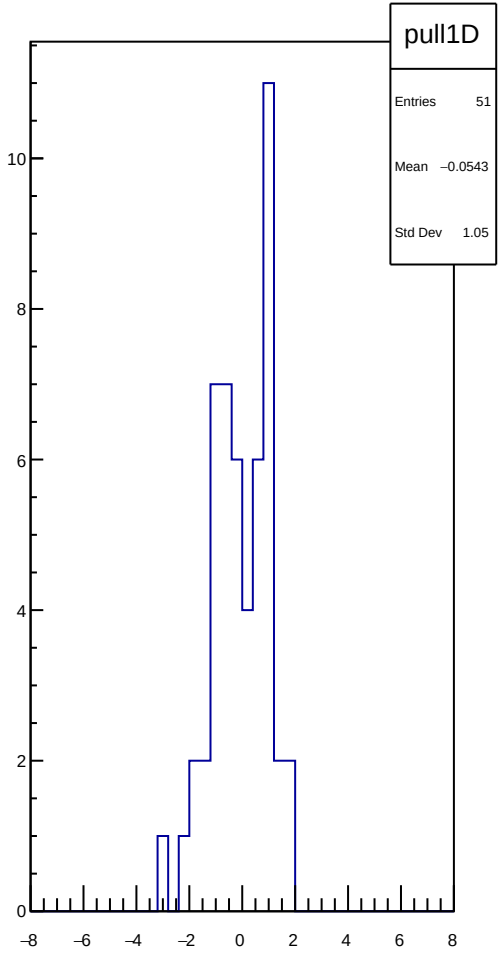

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 22.15 / 50
p0 0.5809 ± 3.658
pull
Entries 51
Mean −6988
Std Dev 7007

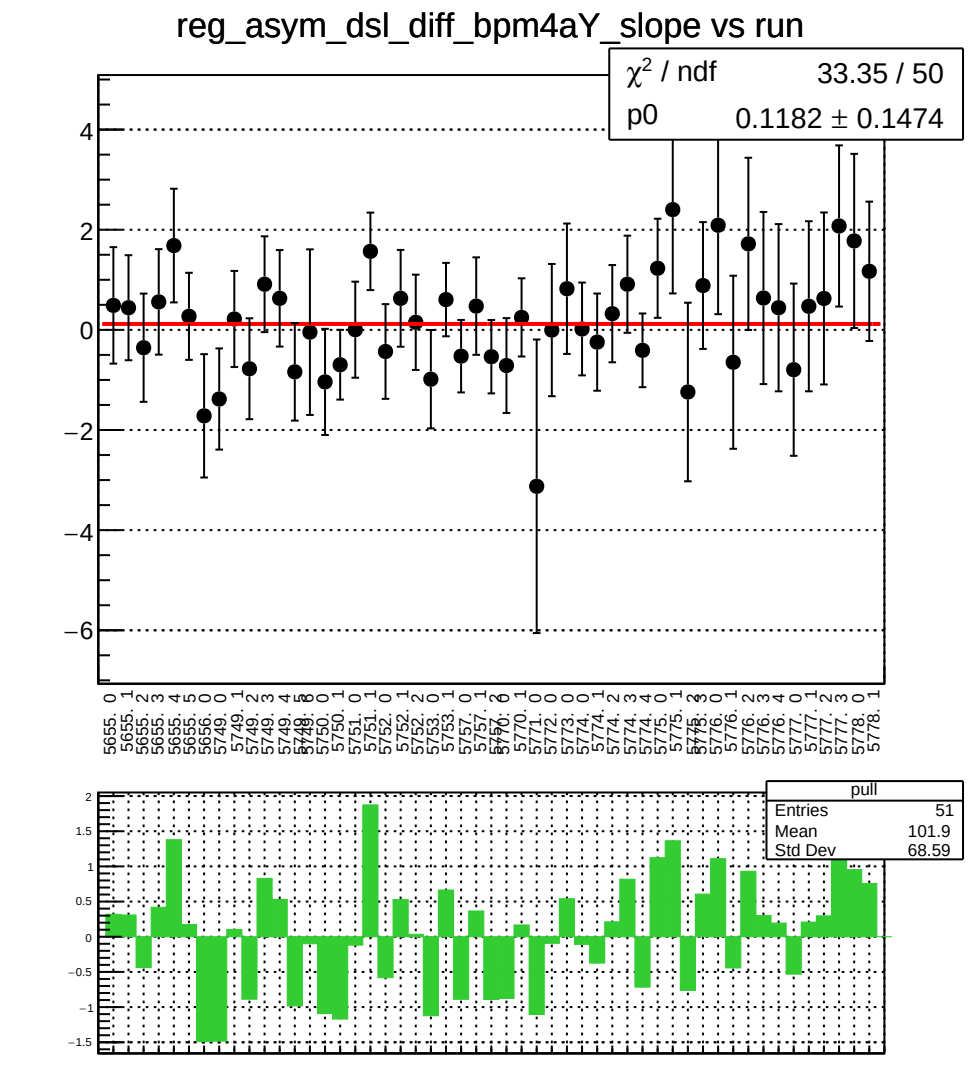

pull1D
Entries 51
Mean 0.0003597
Std Dev 0.659

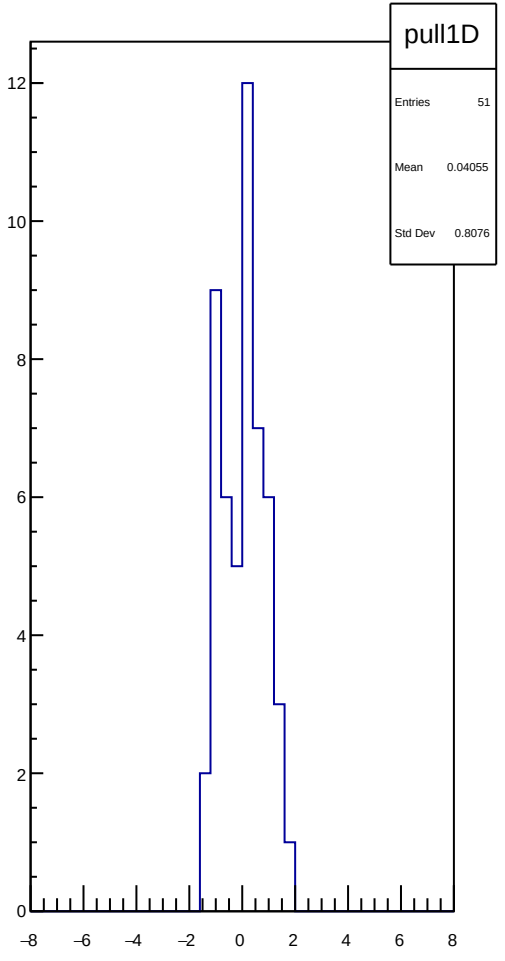

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1451 / 50
p0 −42.07 ± 0.1784
pull
Entries 51
Mean 67.59
Std Dev 40.31

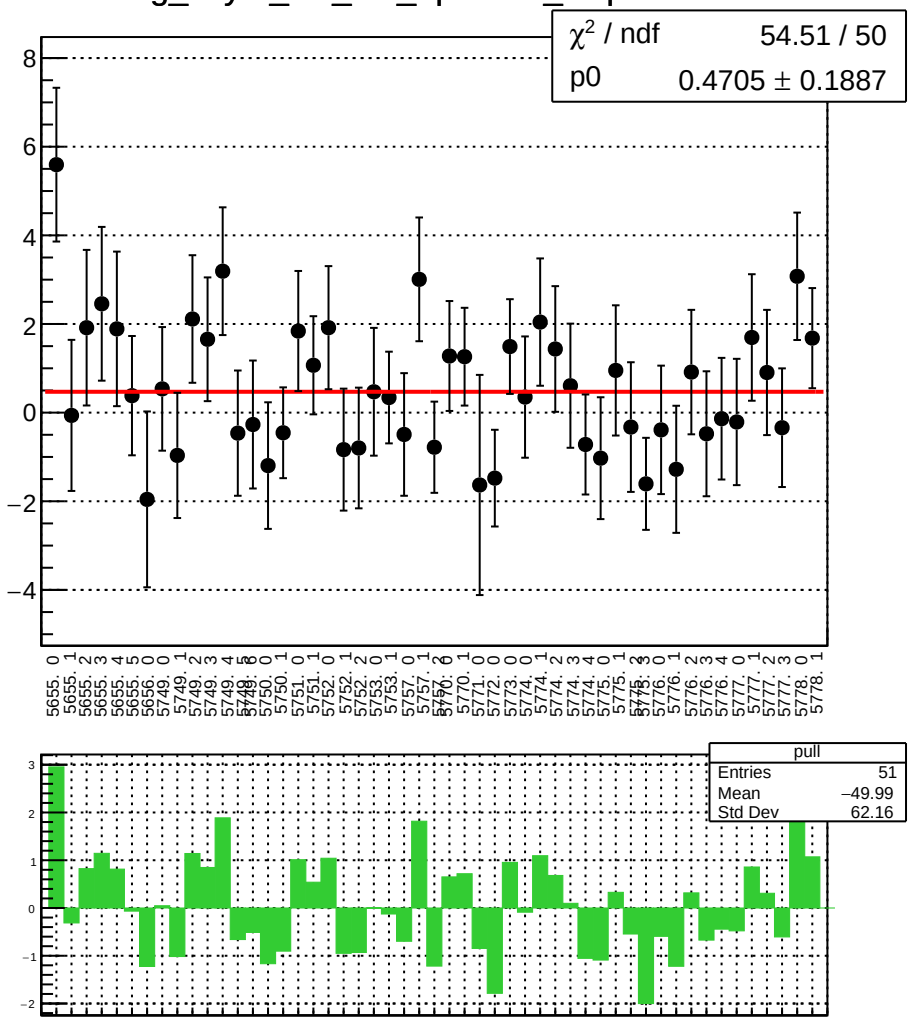

pull1D
Entries 51
Mean −0.1275
Std Dev 3.647

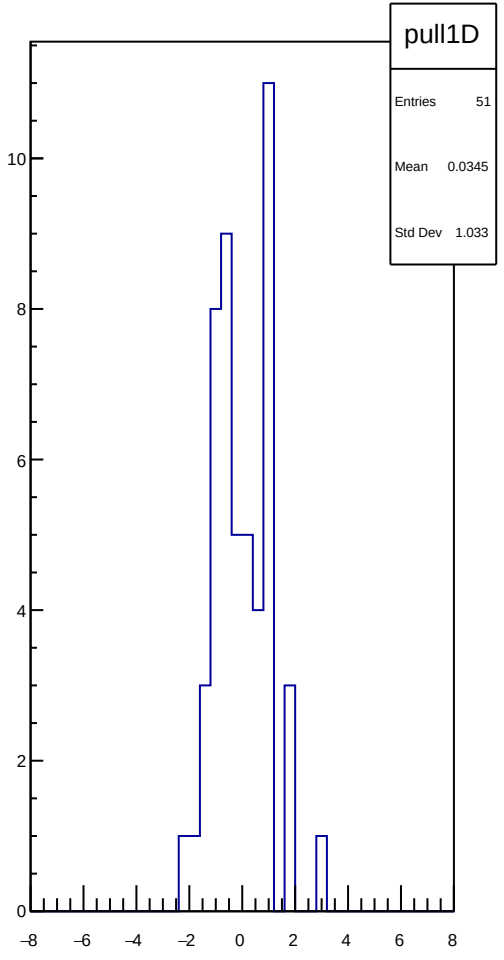

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 56.39 / 50
p0 −0.3423 ± 0.1471
pull
Entries 51
Mean −19.92
Std Dev 27.89

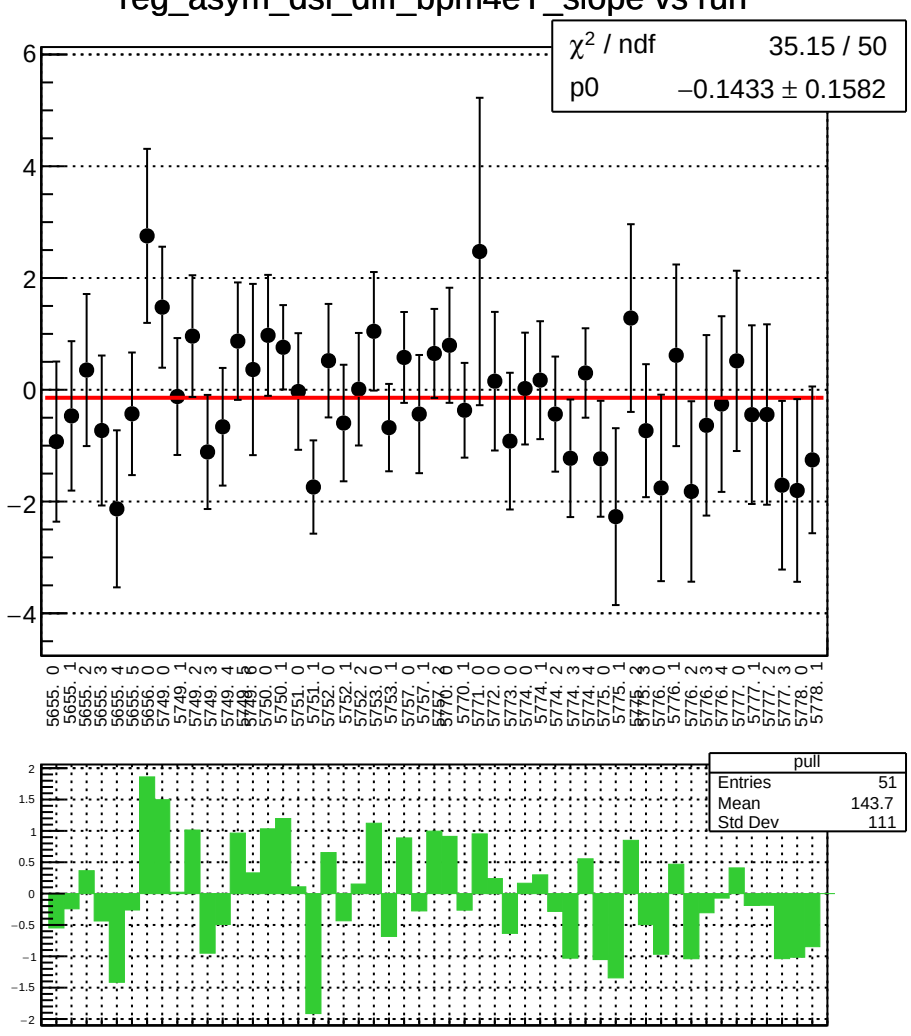

pull1D
Entries 51
Mean −0.0543
Std Dev 1.05

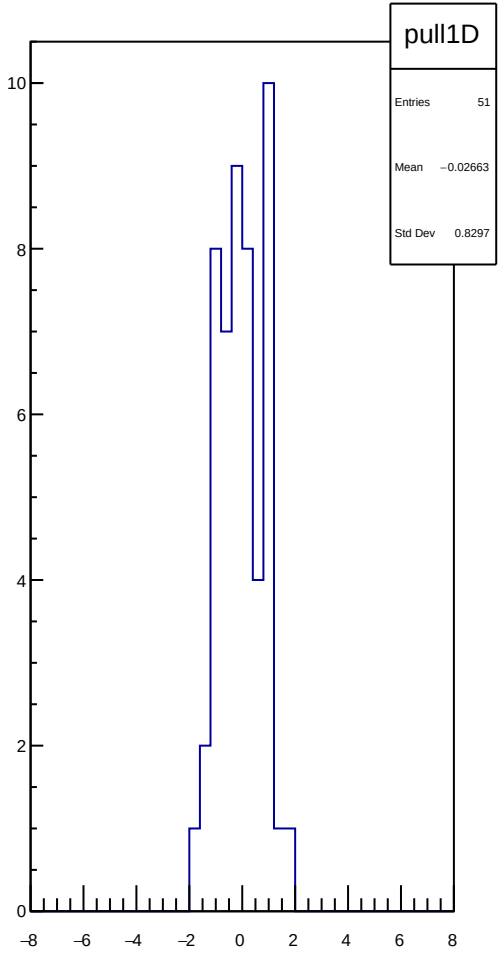

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 33.35 / 50
p0 0.1182 ± 0.1474
pull
Entries 51
Mean 101.9
Std Dev 68.59

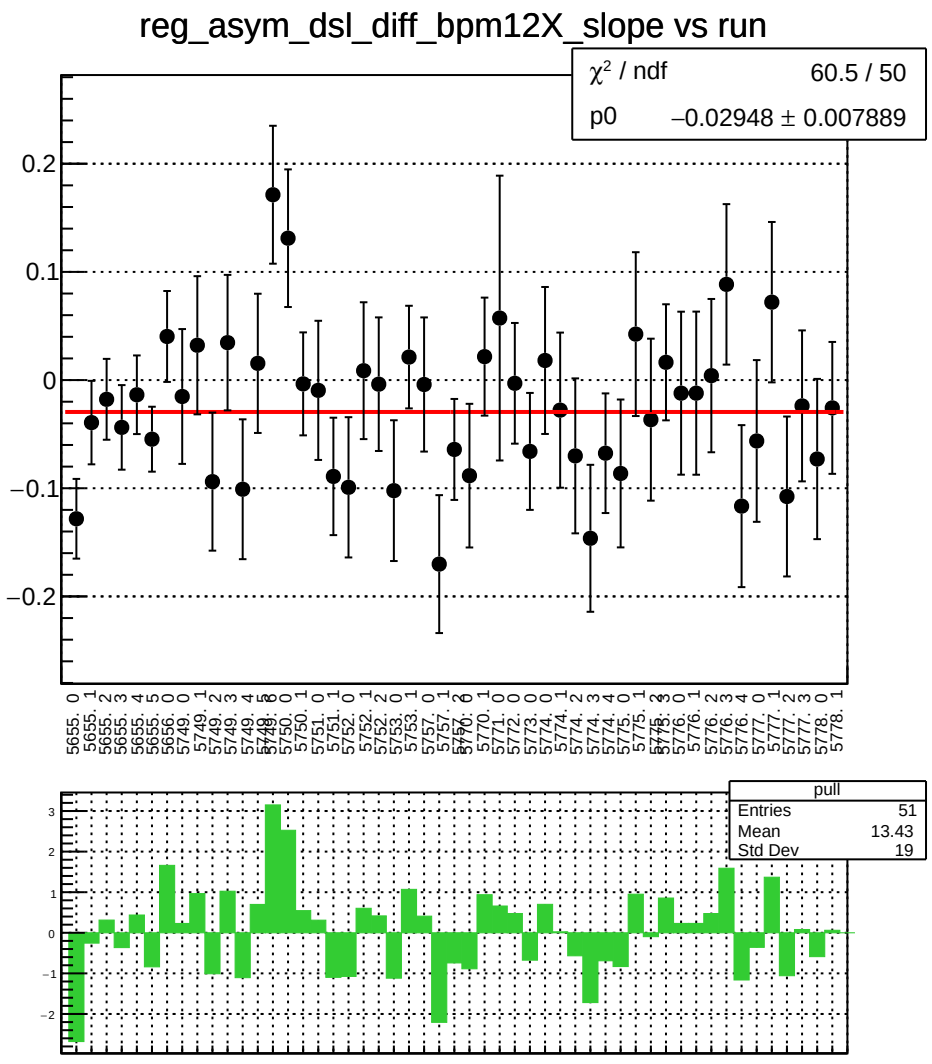

pull1D
Entries 51
Mean 0.04055
Std Dev 0.8076

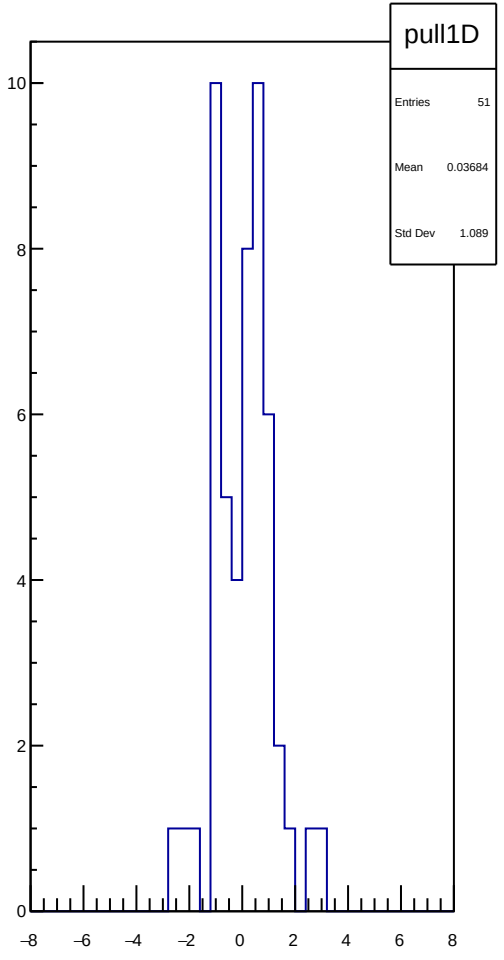

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 54.51 / 50
p0 0.4705 ± 0.1887
pull
Entries 51
Mean −49.99
Std Dev 62.16

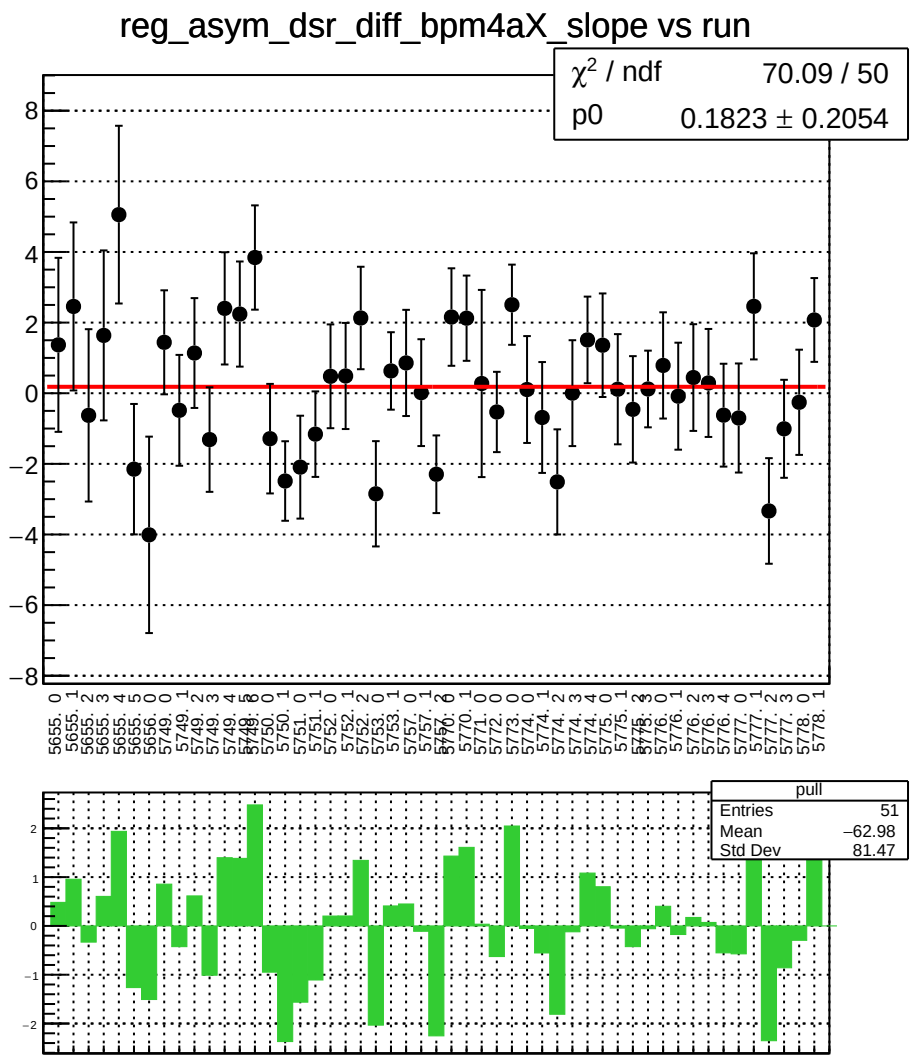

pull1D
Entries 51
Mean 0.0345
Std Dev 1.033

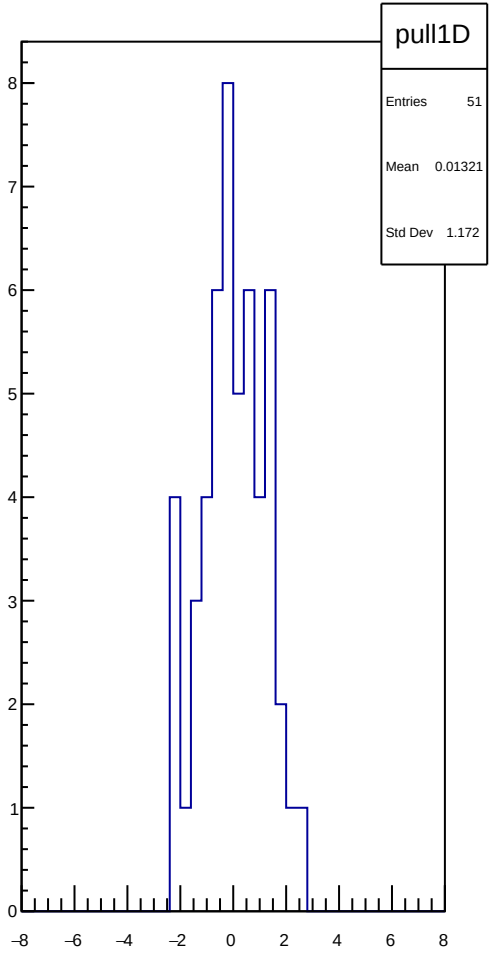

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 35.15 / 50
p0 −0.1433 ± 0.1582
pull
Entries 51
Mean 143.7
Std Dev 111

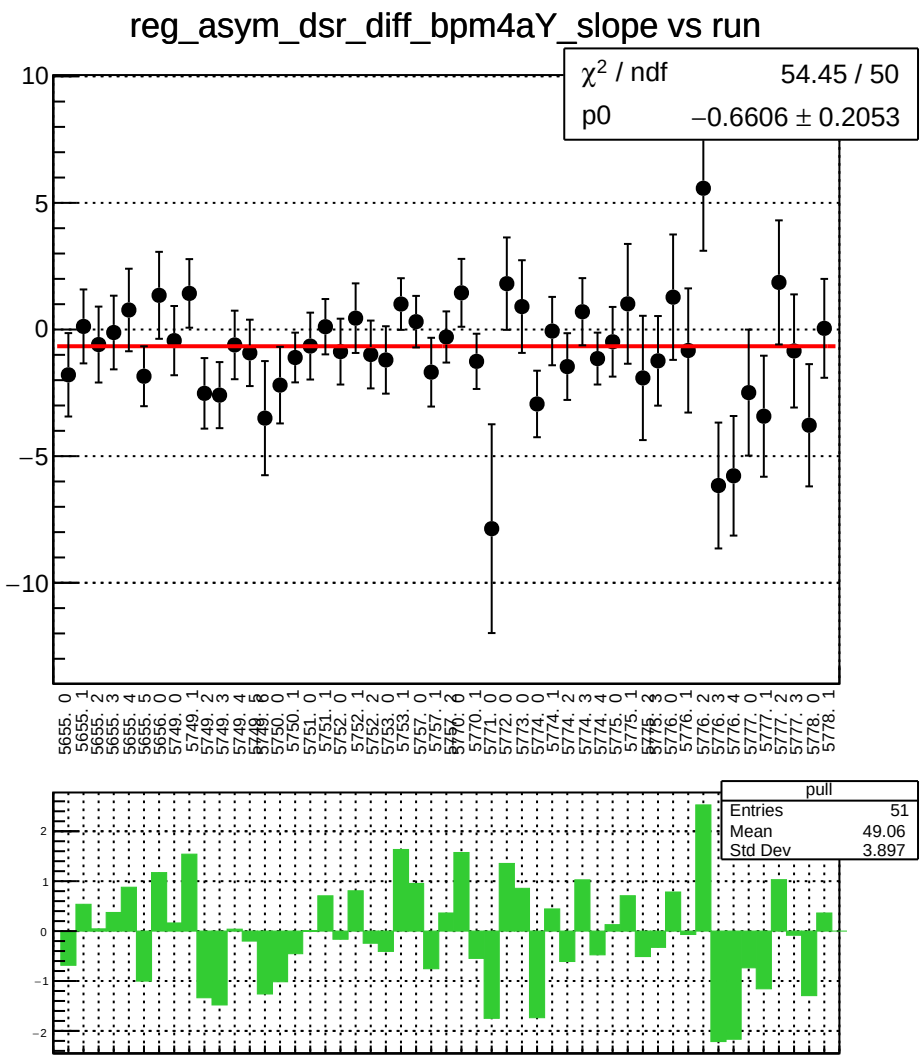

pull1D
Entries 51
Mean −0.02663
Std Dev 0.8297

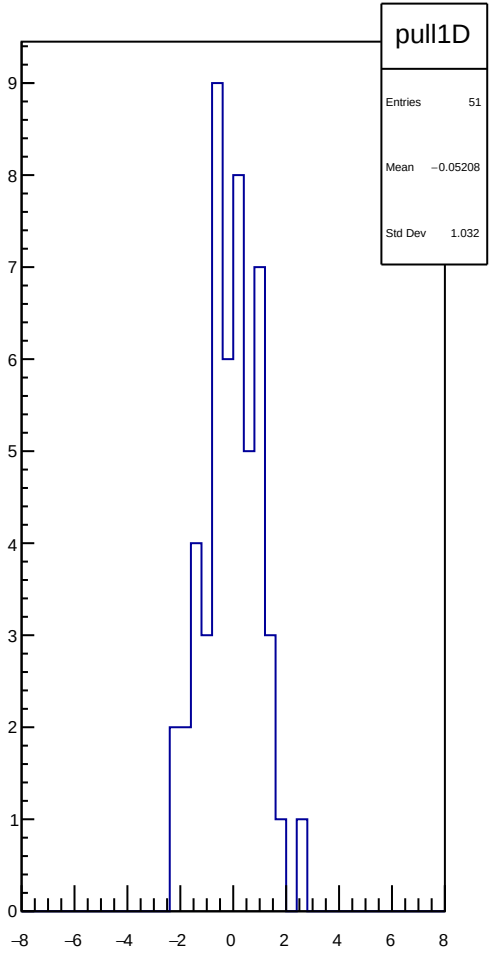

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 60.5 / 50
p0 −0.02948 ± 0.007889
pull
Entries 51
Mean 13.43
Std Dev 19

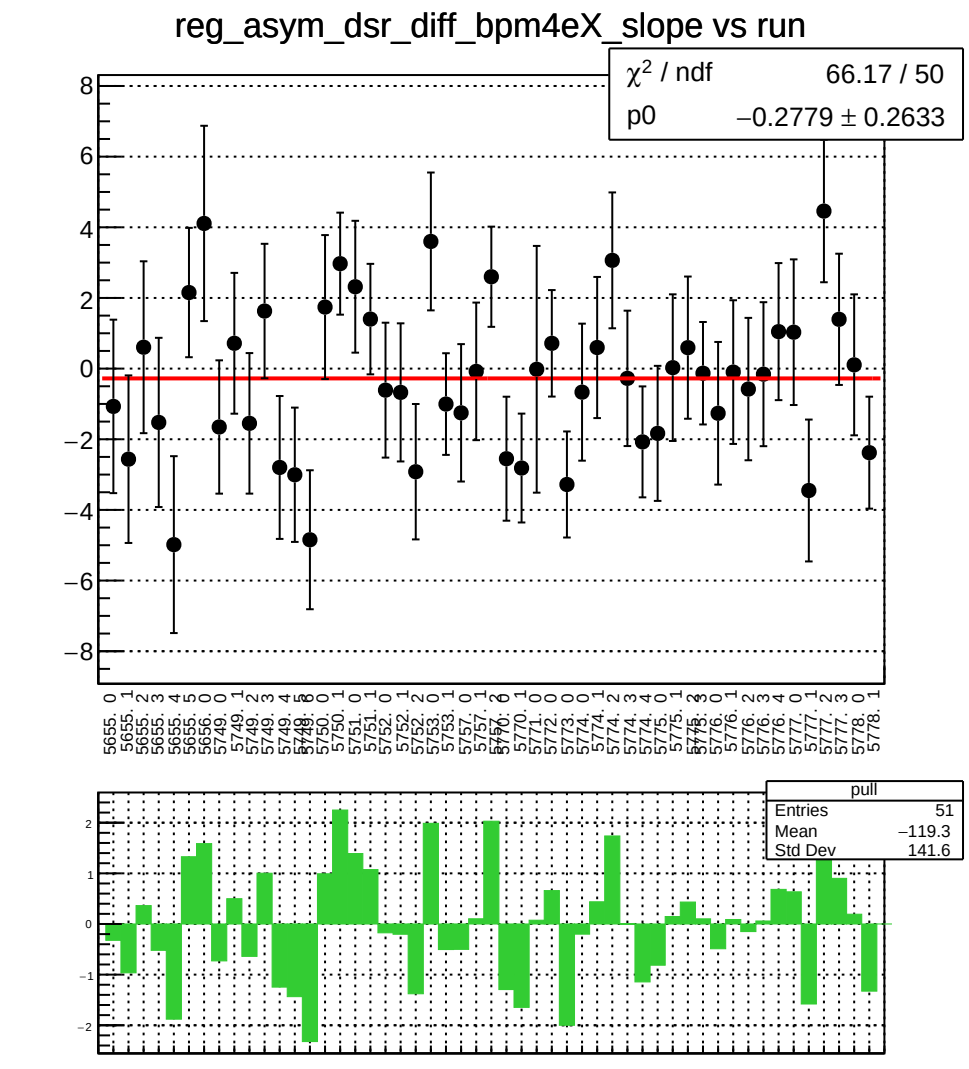

pull1D
Entries 51
Mean 0.03684
Std Dev 1.089

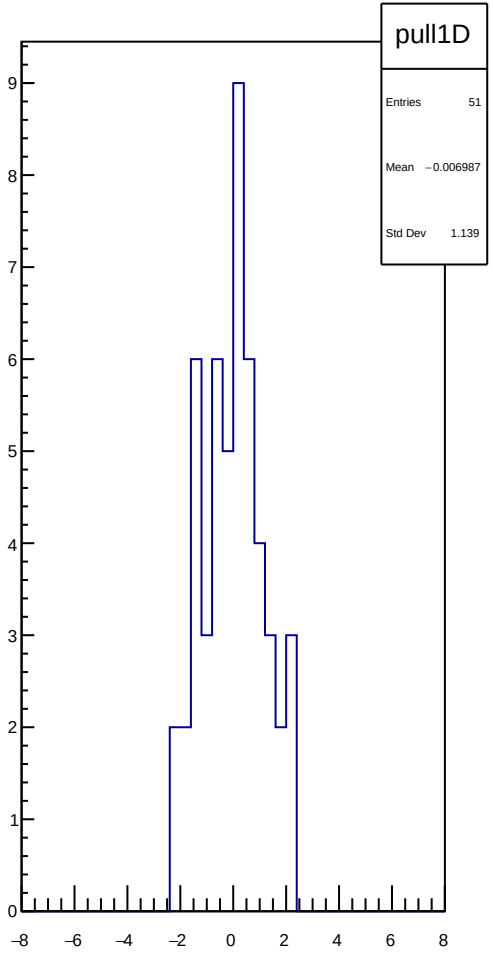

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 70.09 / 50
p0 0.1823 ± 0.2054
pull
Entries 51
Mean −62.98
Std Dev 81.47

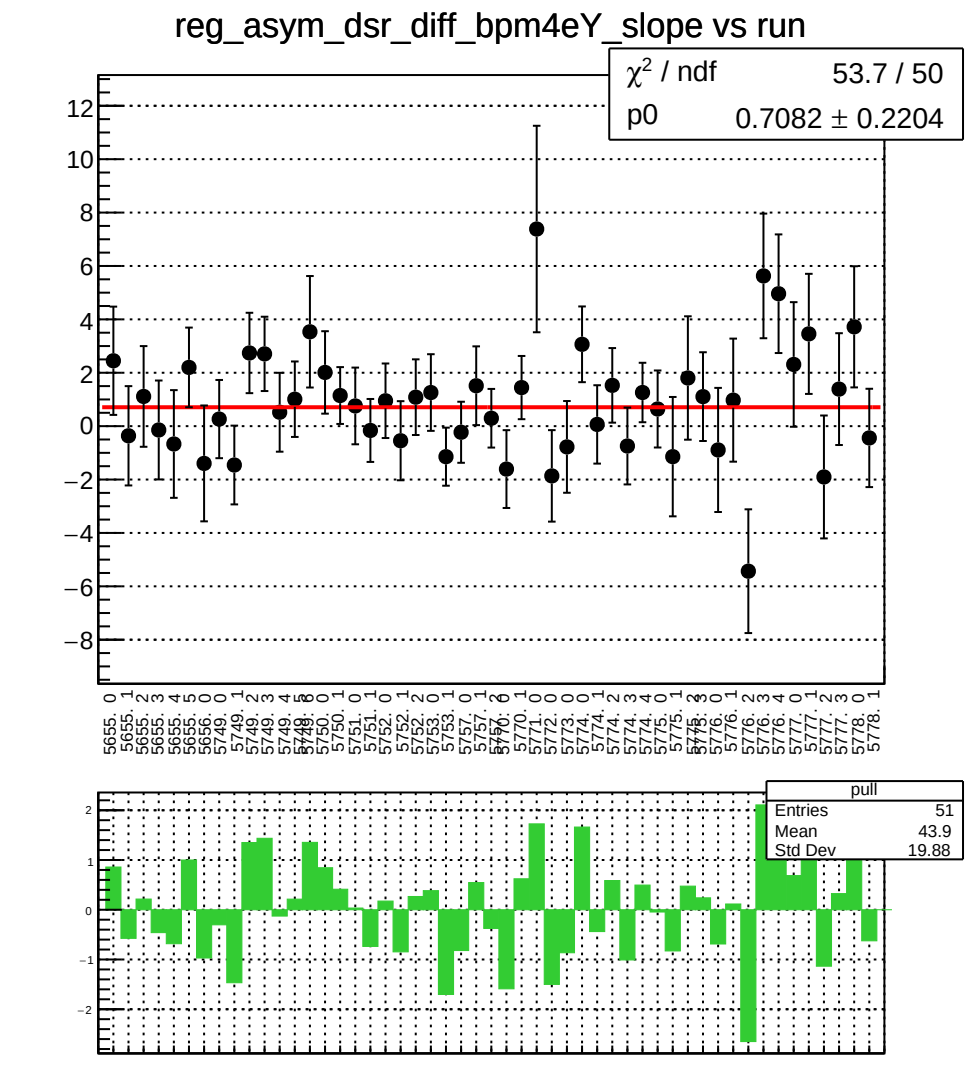

pull1D
Entries 51
Mean 0.01321
Std Dev 1.172

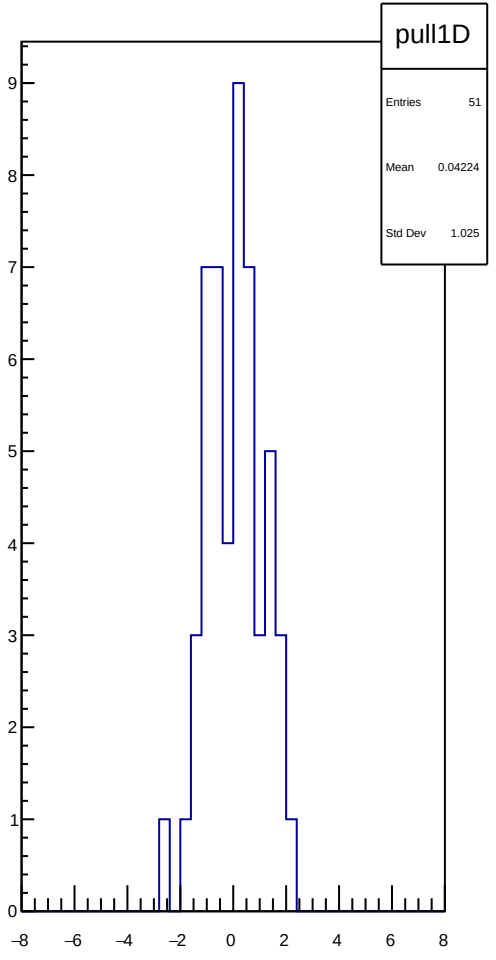

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 54.45 / 50
p0 −0.6606 ± 0.2053
pull
Entries 51
Mean 49.06
Std Dev 3.897

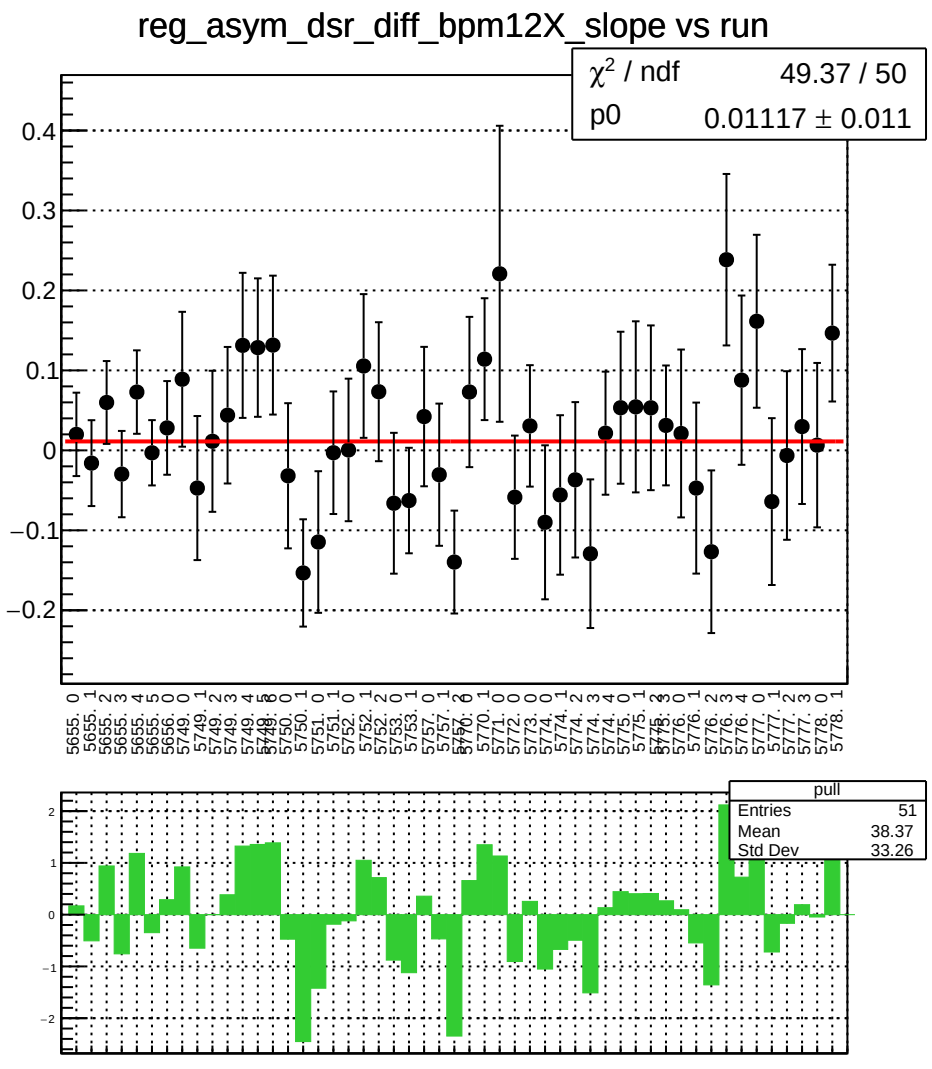

pull1D
Entries 51
Mean −0.05208
Std Dev 1.032

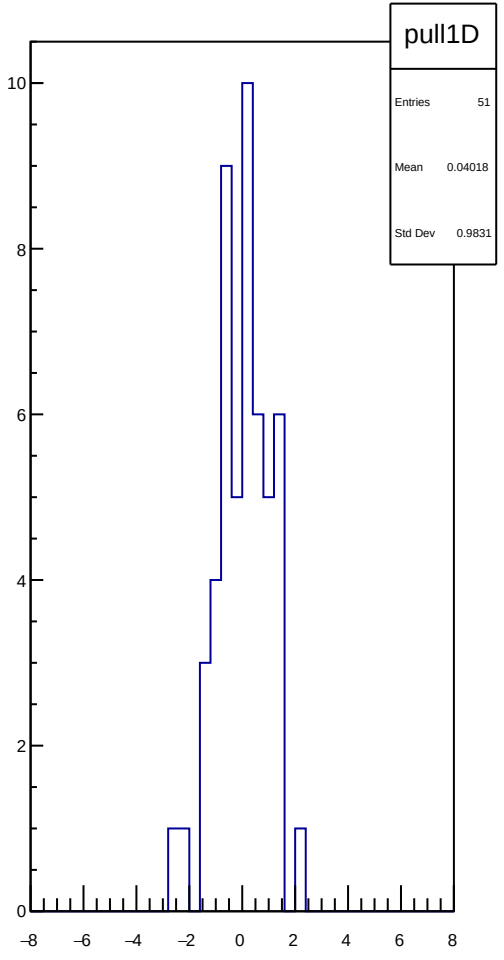

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 66.17 / 50
p0 −0.2779 ± 0.2633
pull
Entries 51
Mean −119.3
Std Dev 141.6

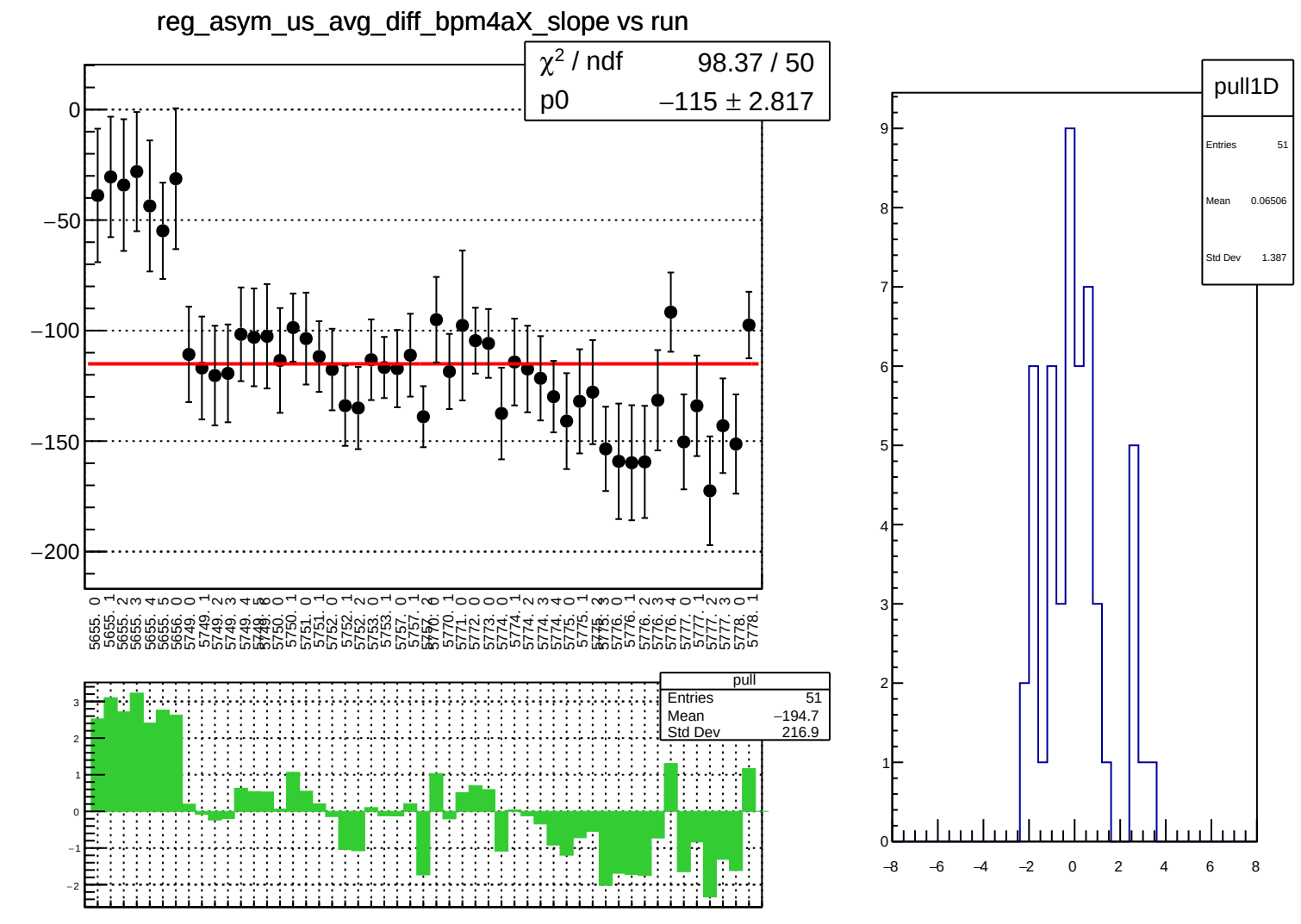

pull1D
Entries 51
Mean −0.006987
Std Dev 1.139

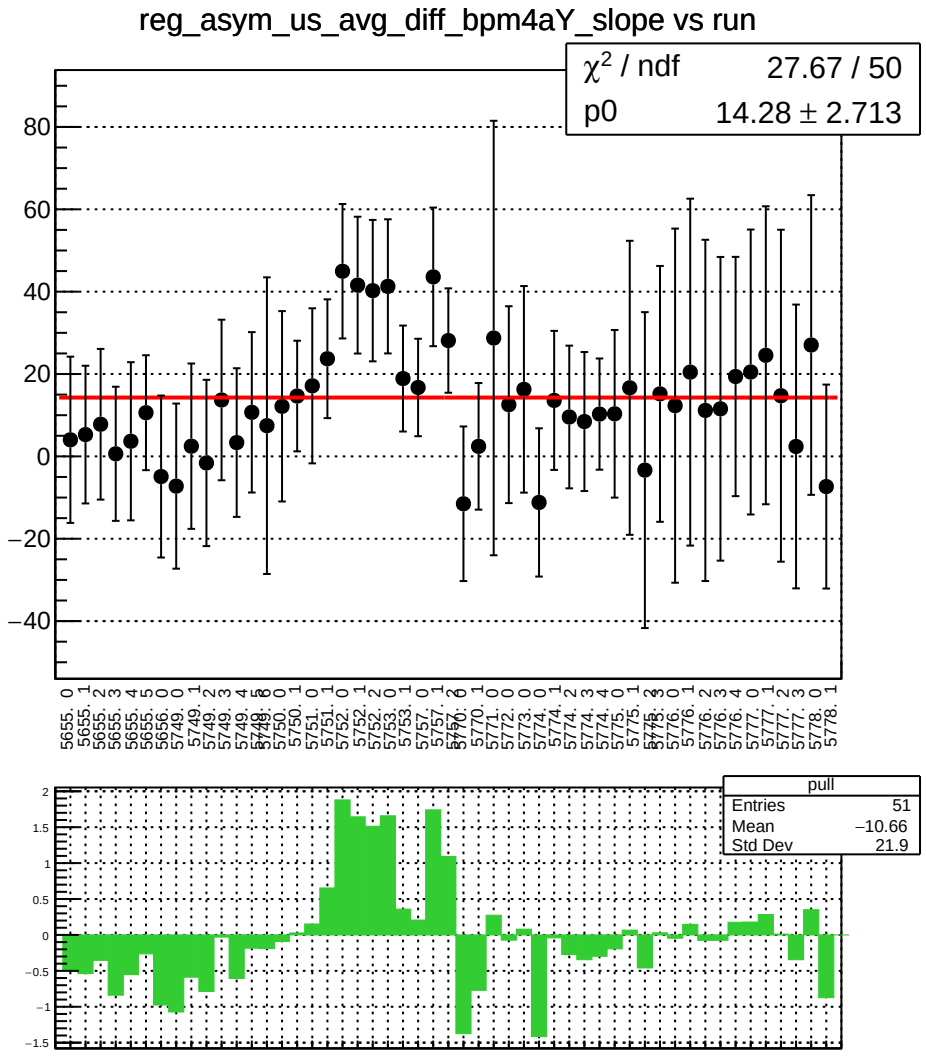

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 53.7 / 50
p0 0.7082 ± 0.2204
pull
Entries 51
Mean 43.9
Std Dev 19.88

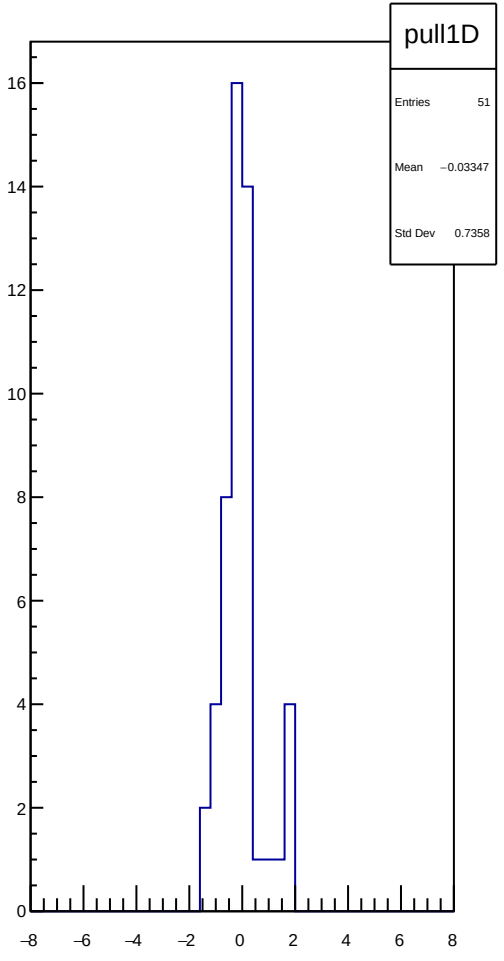

pull1D
Entries 51
Mean 0.04224
Std Dev 1.025

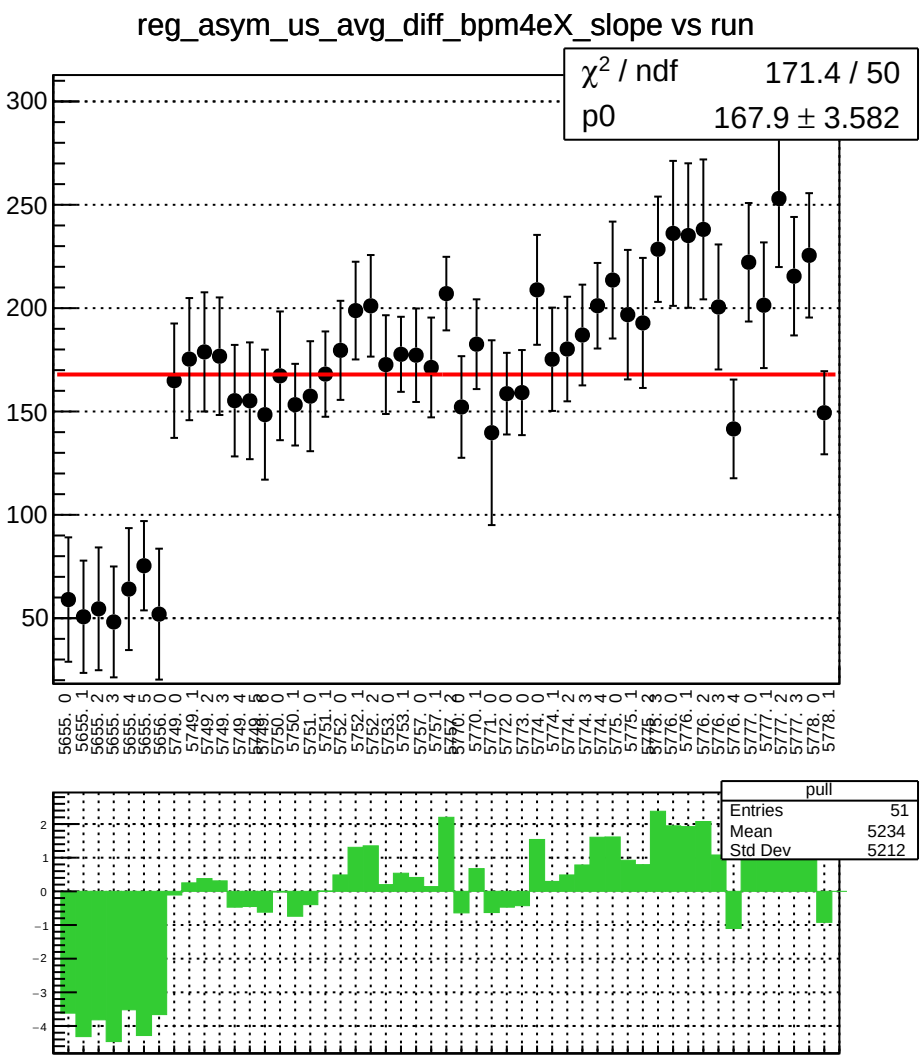

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 49.37 / 50
p0 0.01117 ± 0.011
pull
Entries 51
Mean 38.37
Std Dev 33.26

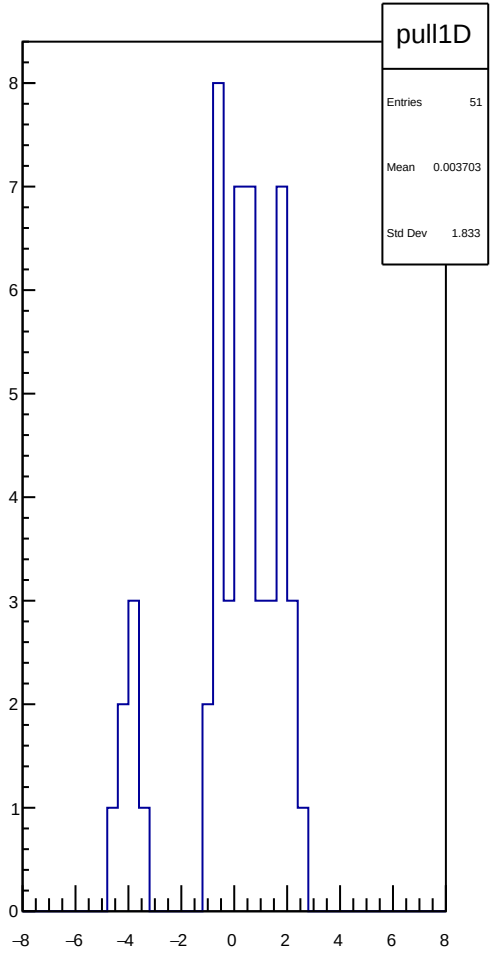

pull1D
Entries 51
Mean 0.04018
Std Dev 0.9831

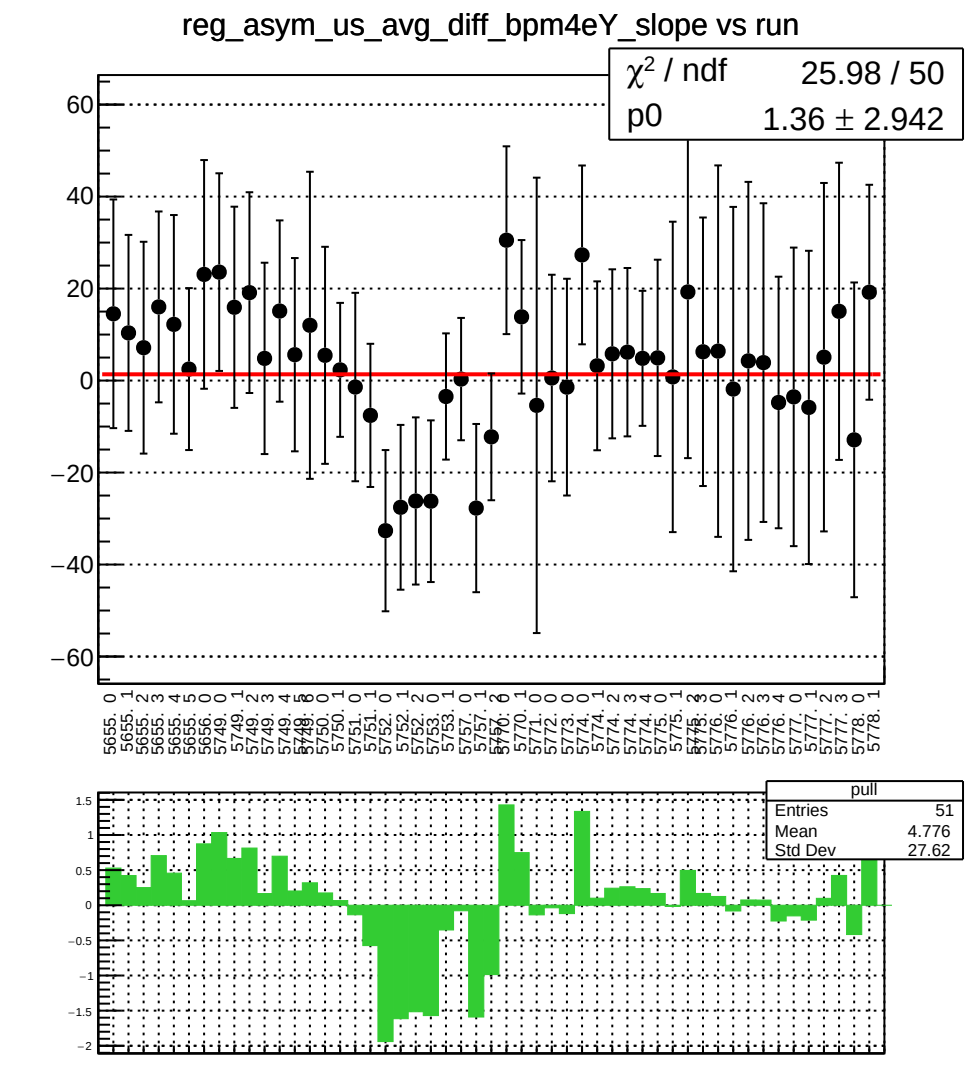

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 98.37 / 50
p0 −115 ± 2.817
0
−50
−100
−150
−200
pull
Entries 51
Mean −194.7
Std Dev 216.9
pull1D
Entries 51
Mean 0.06506
Std Dev 1.387

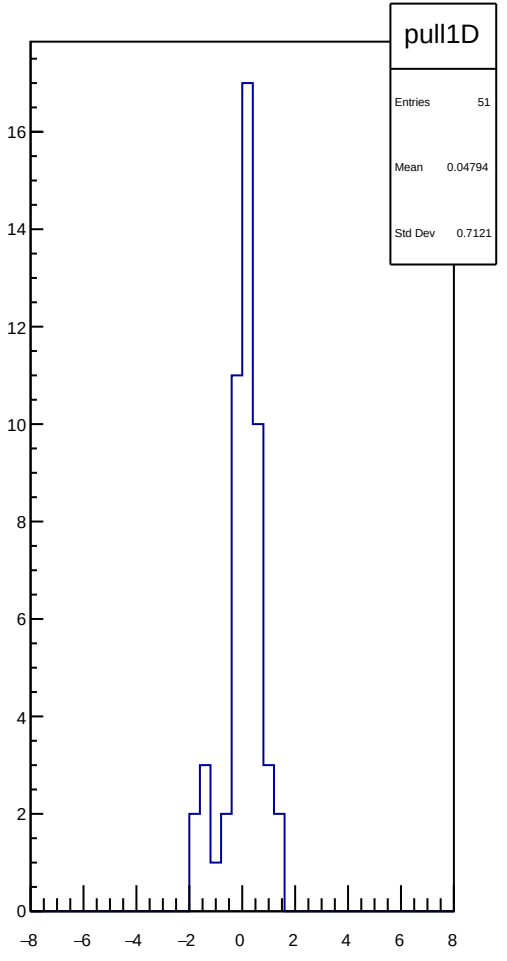

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.67 / 50
p0 14.28 ± 2.713
pull
Entries 51
Mean −10.66
Std Dev 21.9

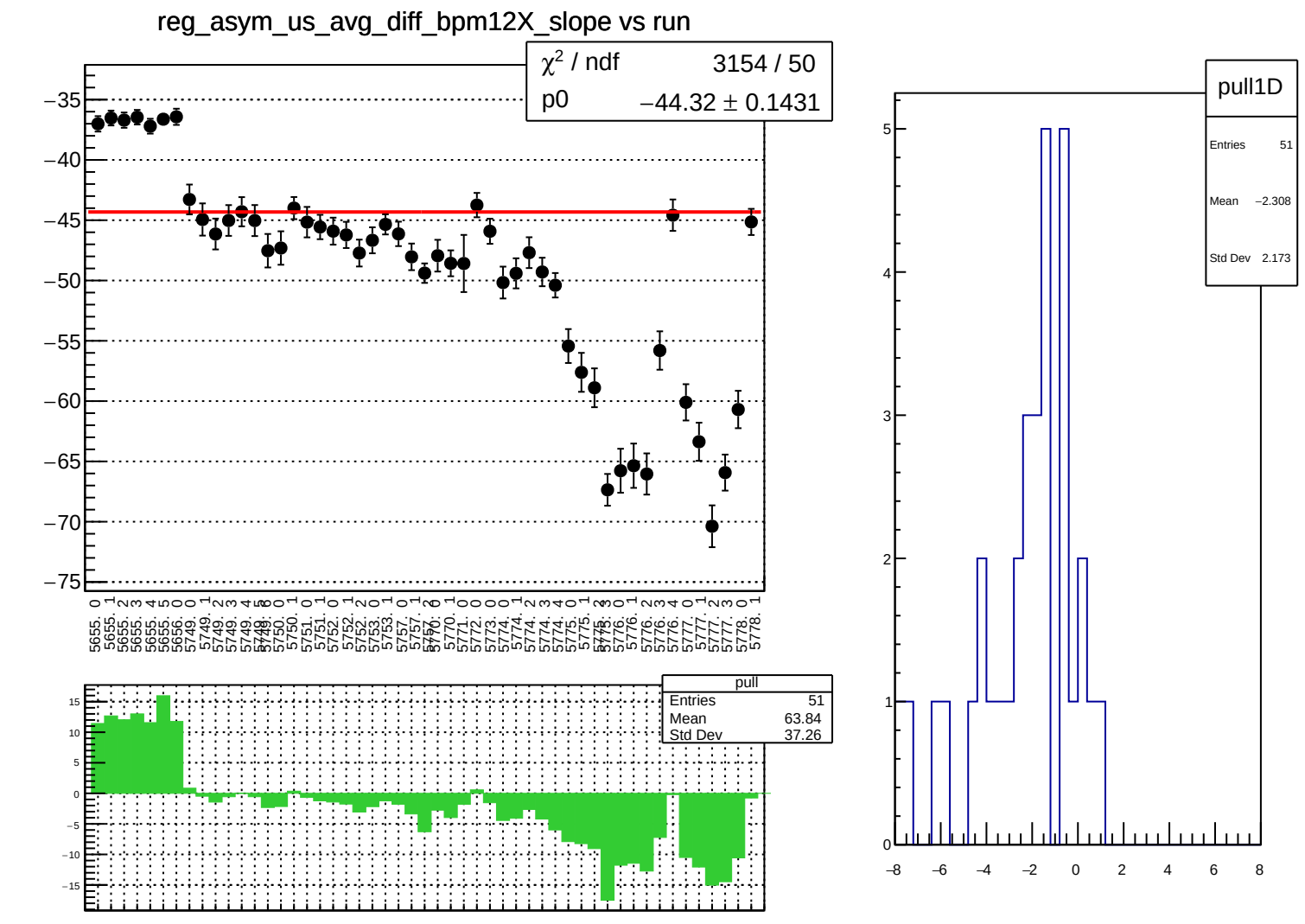

pull1D
Entries 51
Mean −0.03347
Std Dev 0.7358

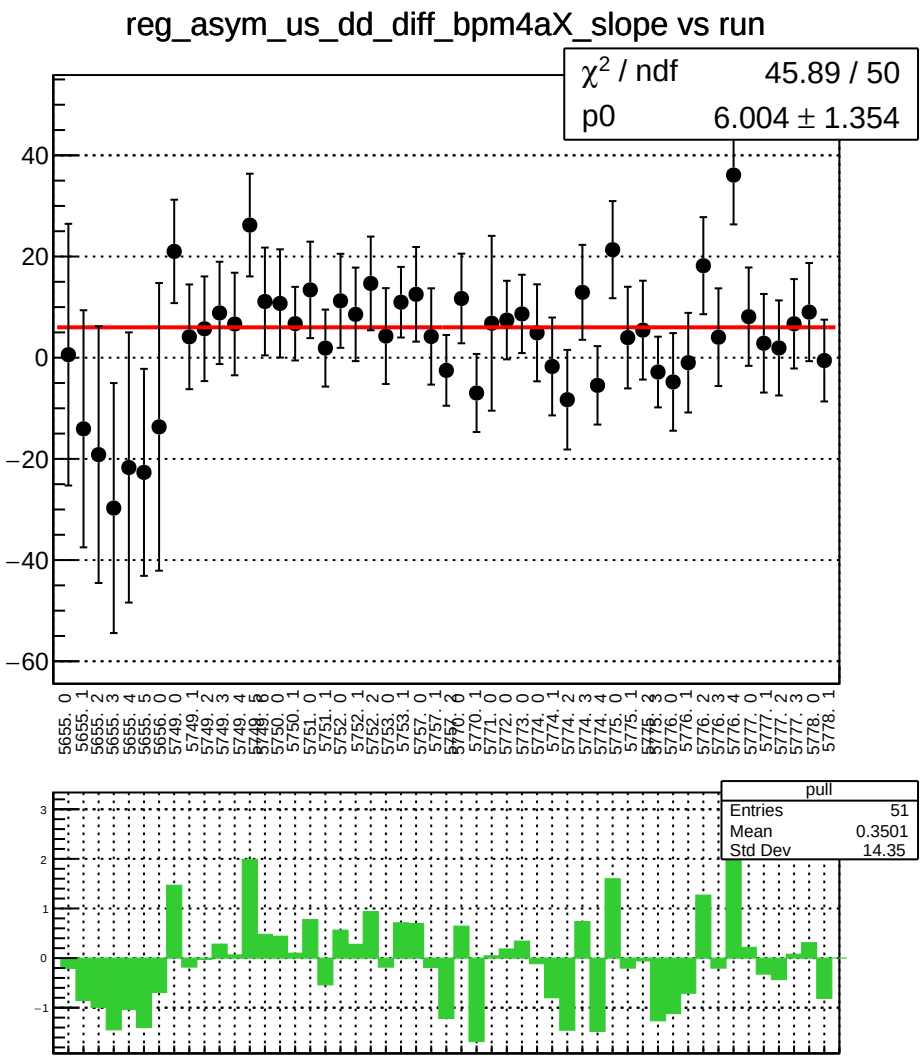

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 171.4 / 50
p0 167.9 ± 3.582
pull
Entries 51
Mean 5234
Std Dev 5212

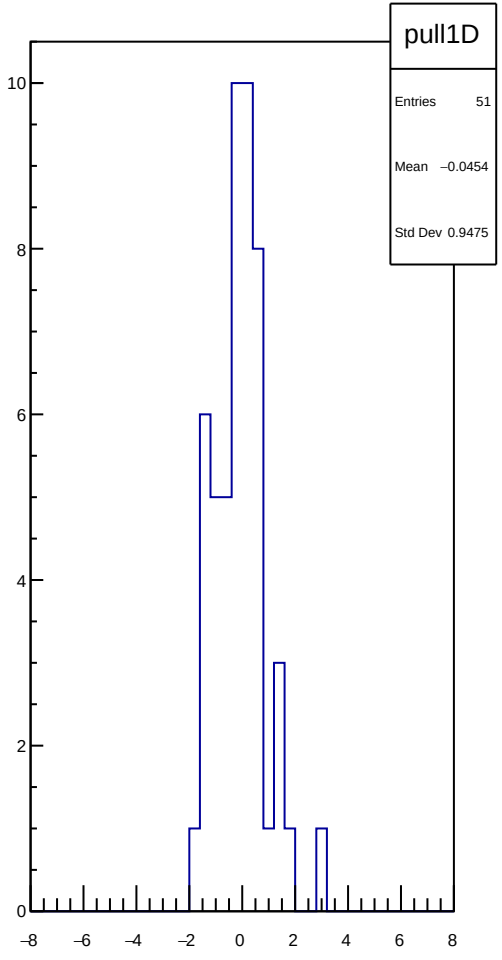

pull1D
Entries 51
Mean 0.003703
Std Dev 1.833

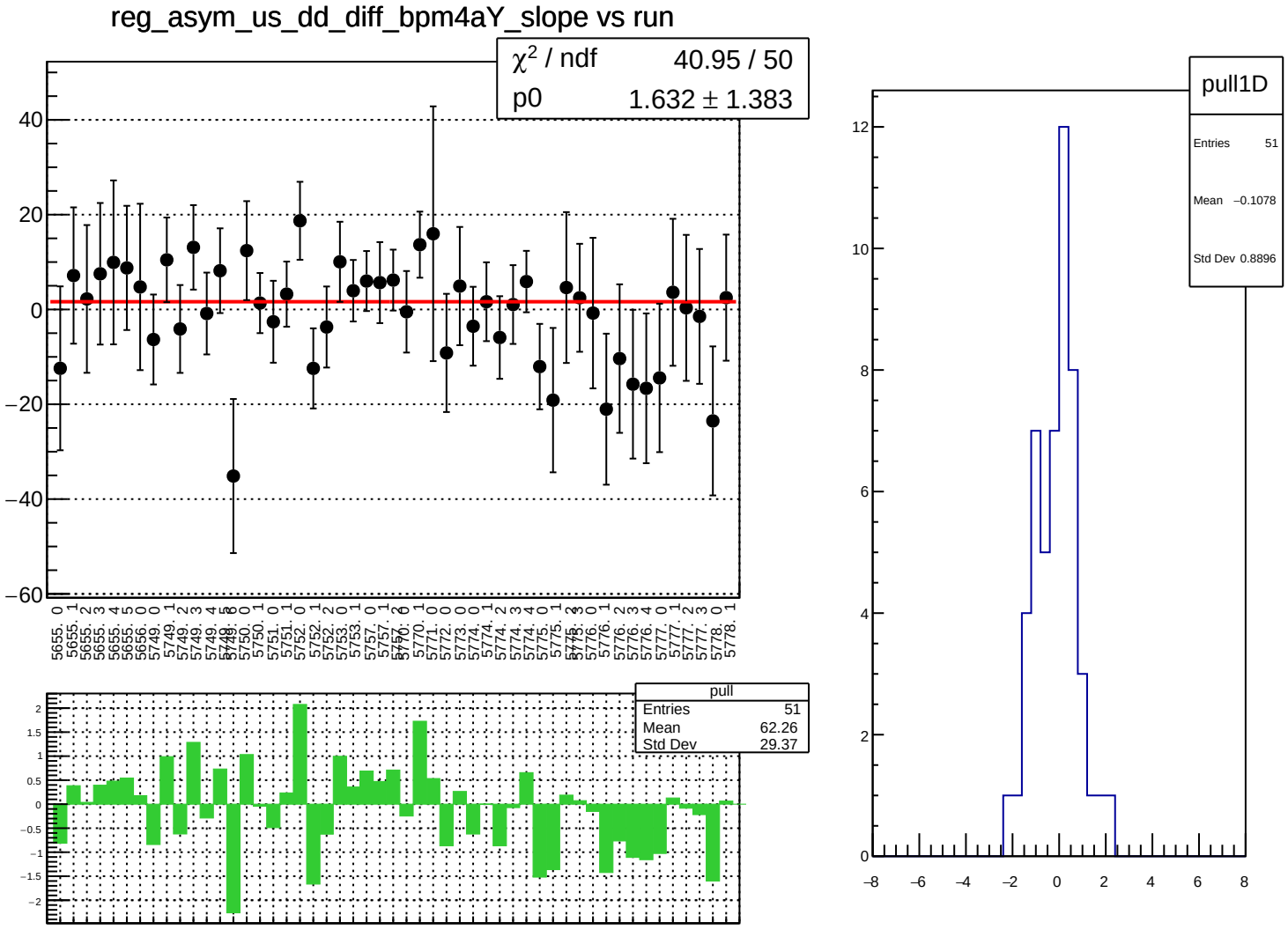

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 50
p0 1.36 ± 2.942
pull
Entries 51
Mean 4.776
Std Dev 27.62

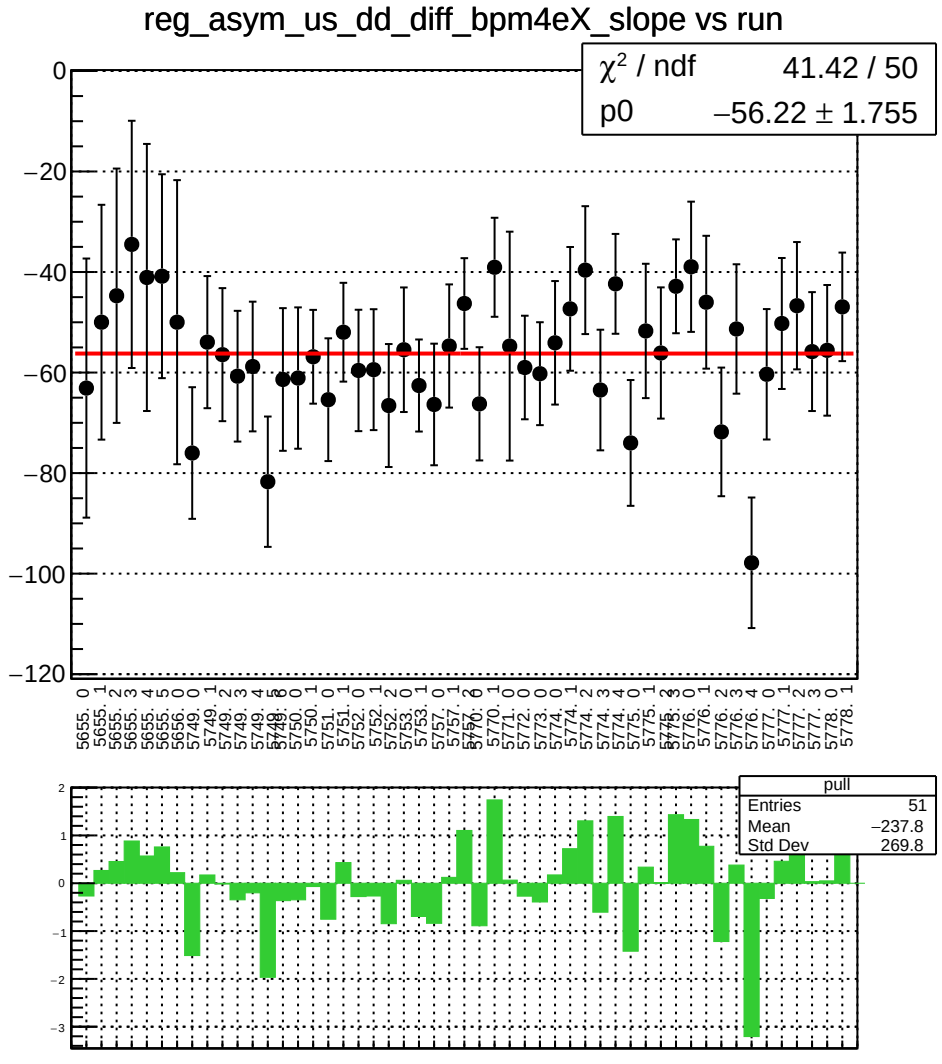

pull1D
Entries 51
Mean 0.04794
Std Dev 0.7121

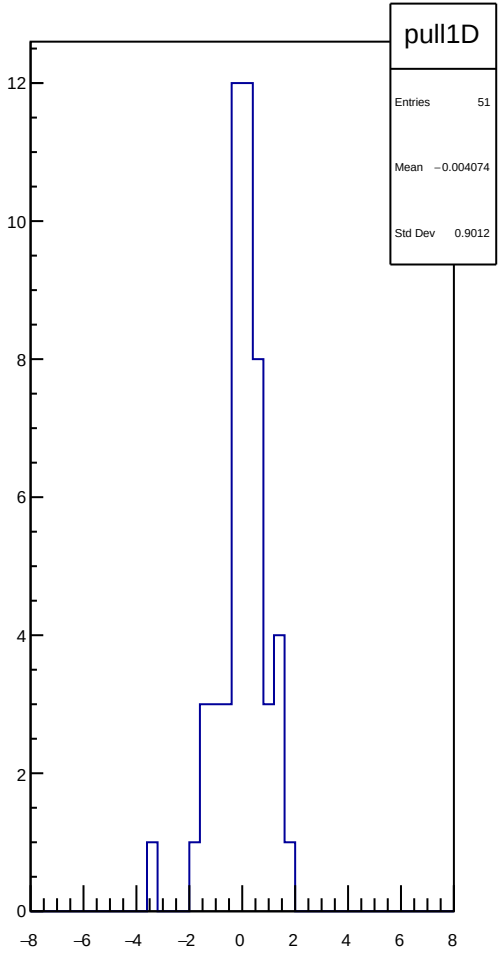

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 3154 / 50
p0 −44.32 ± 0.1431
pull
Entries 51
Mean 63.84
Std Dev 37.26
pull1D
Entries 51
Mean −2.308
Std Dev 2.173

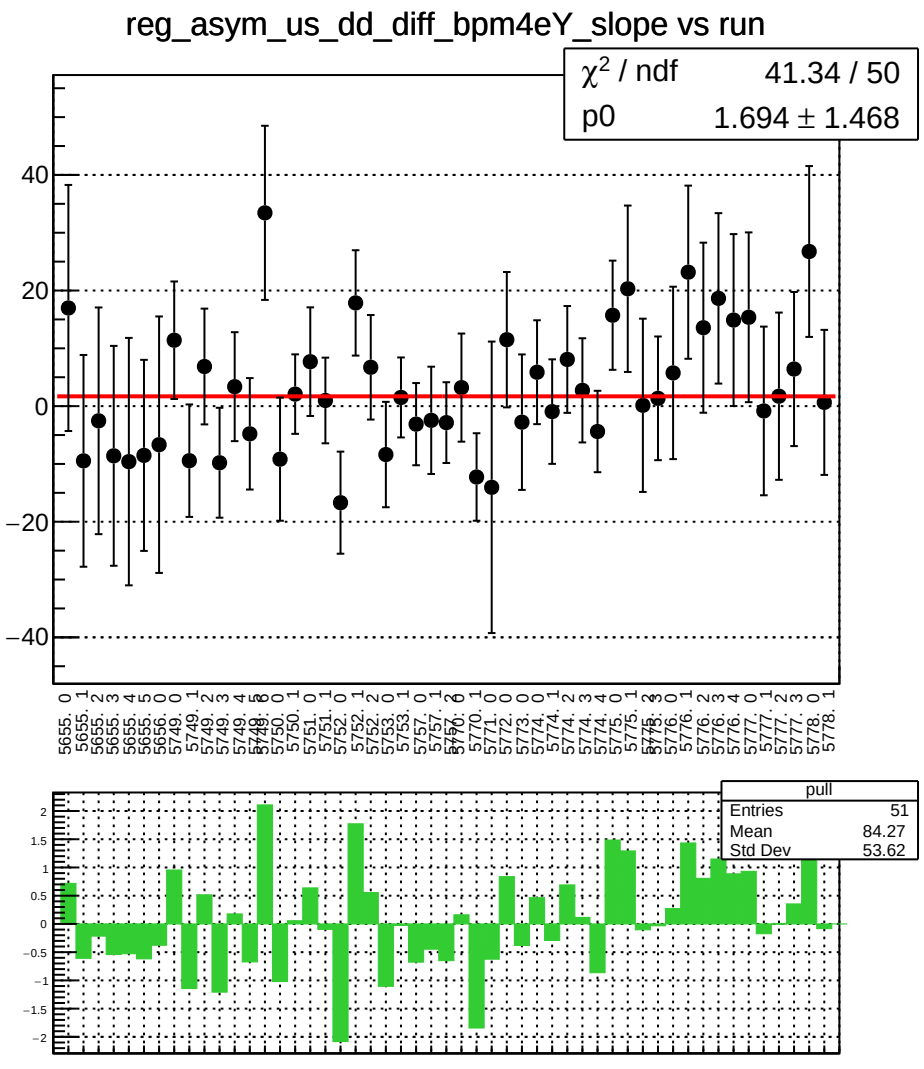

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.89 / 50
p0 6.004 ± 1.354
pull
Entries 51
Mean 0.3501
Std Dev 14.35

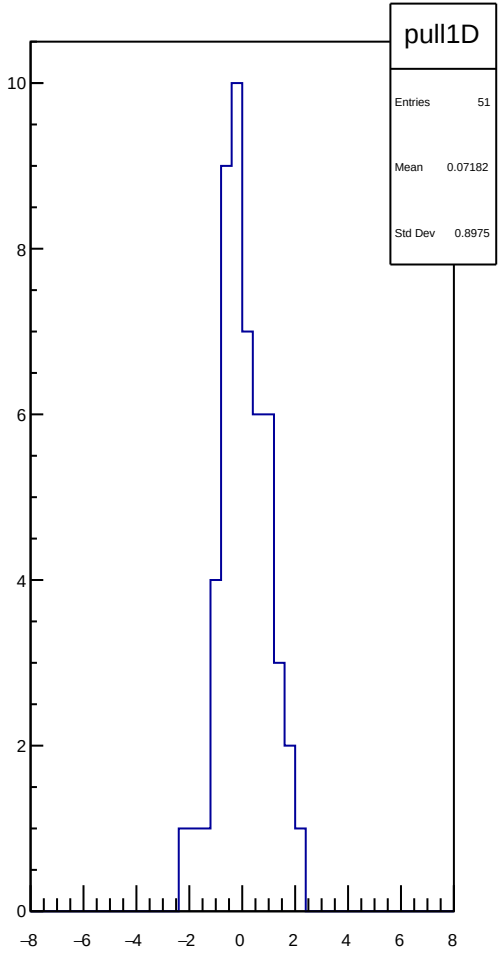

pull1D
Entries 51
Mean −0.0454
Std Dev 0.9475

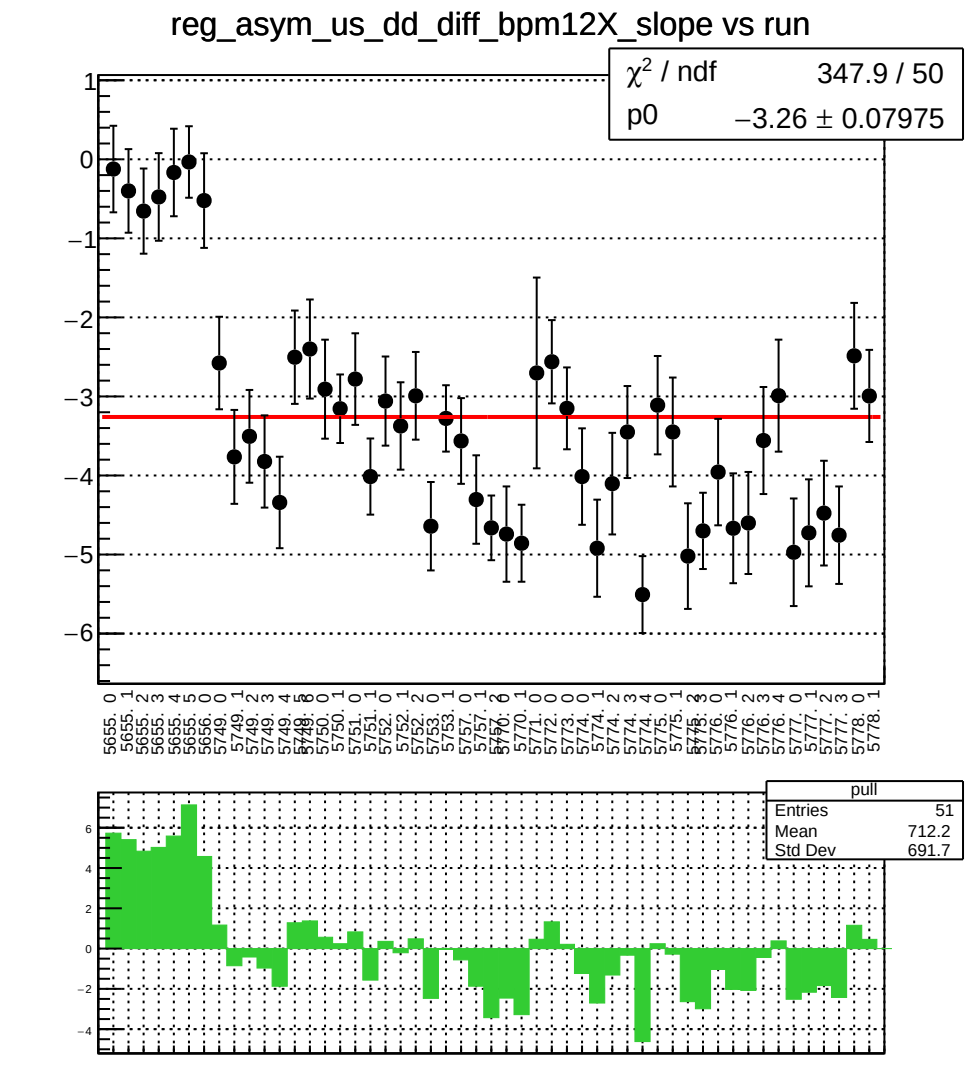

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.95 / 50
p0 1.632 ± 1.383
pull
Entries 51
Mean 62.26
Std Dev 29.37
pull1D
Entries 51
Mean −0.1078
Std Dev 0.8896

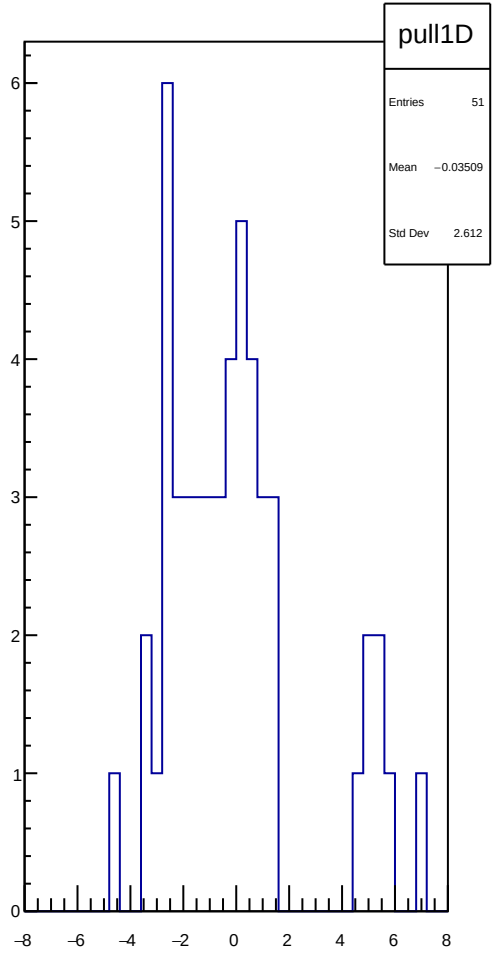

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.42 / 50
p0 −56.22 ± 1.755
pull
Entries 51
Mean −237.8
Std Dev 269.8

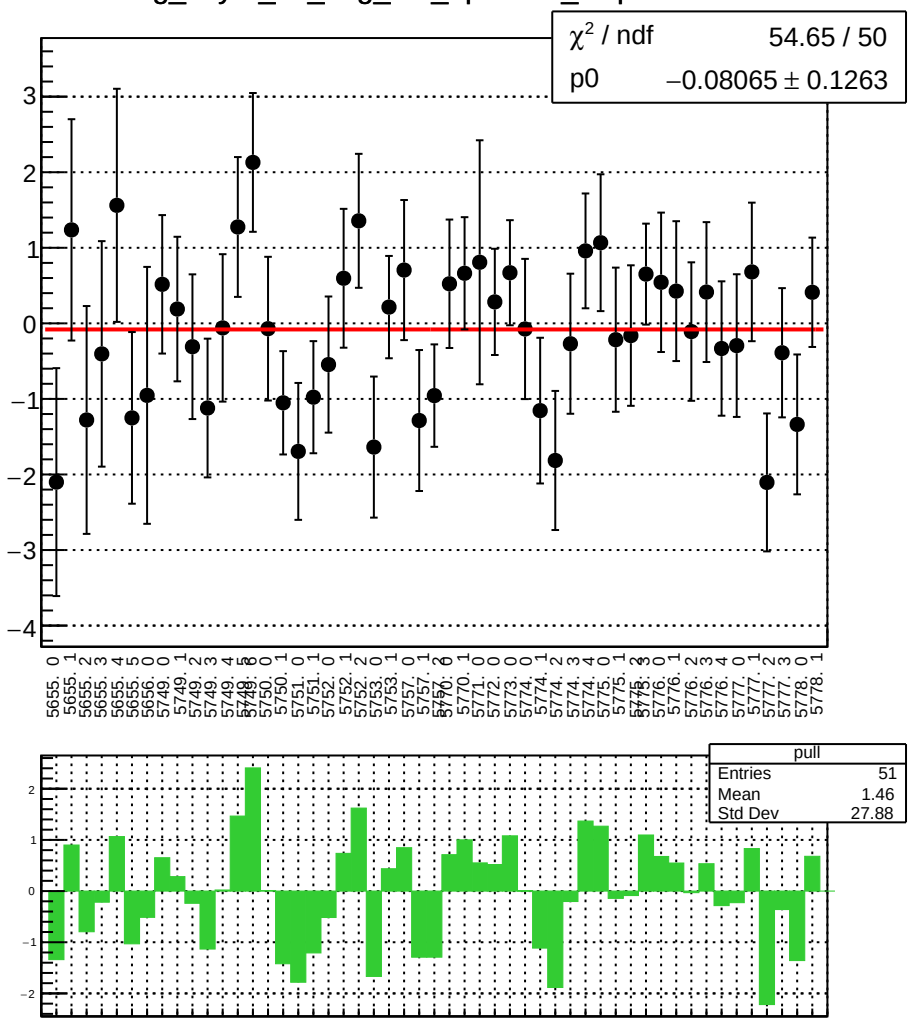

pull1D
Entries 51
Mean −0.004074
Std Dev 0.9012

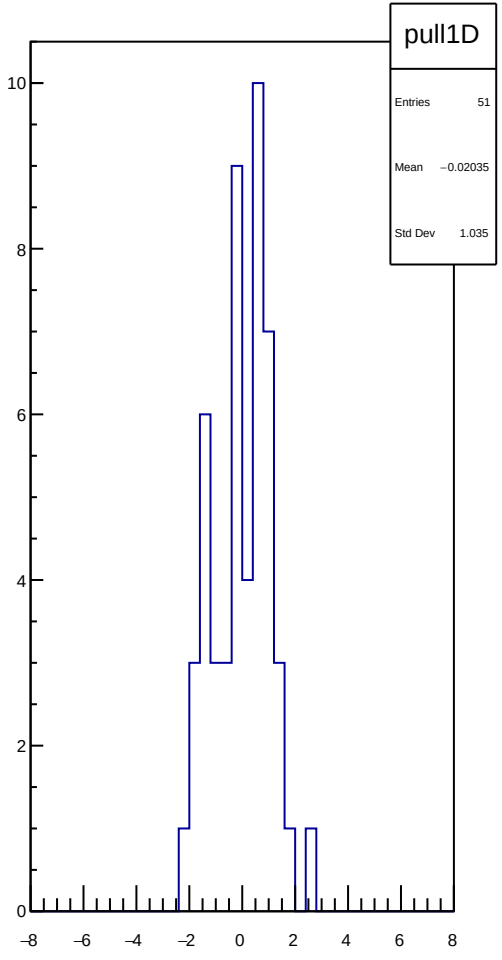

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.34 / 50
p0 1.694 ± 1.468
pull
Entries 51
Mean 84.27
Std Dev 53.62

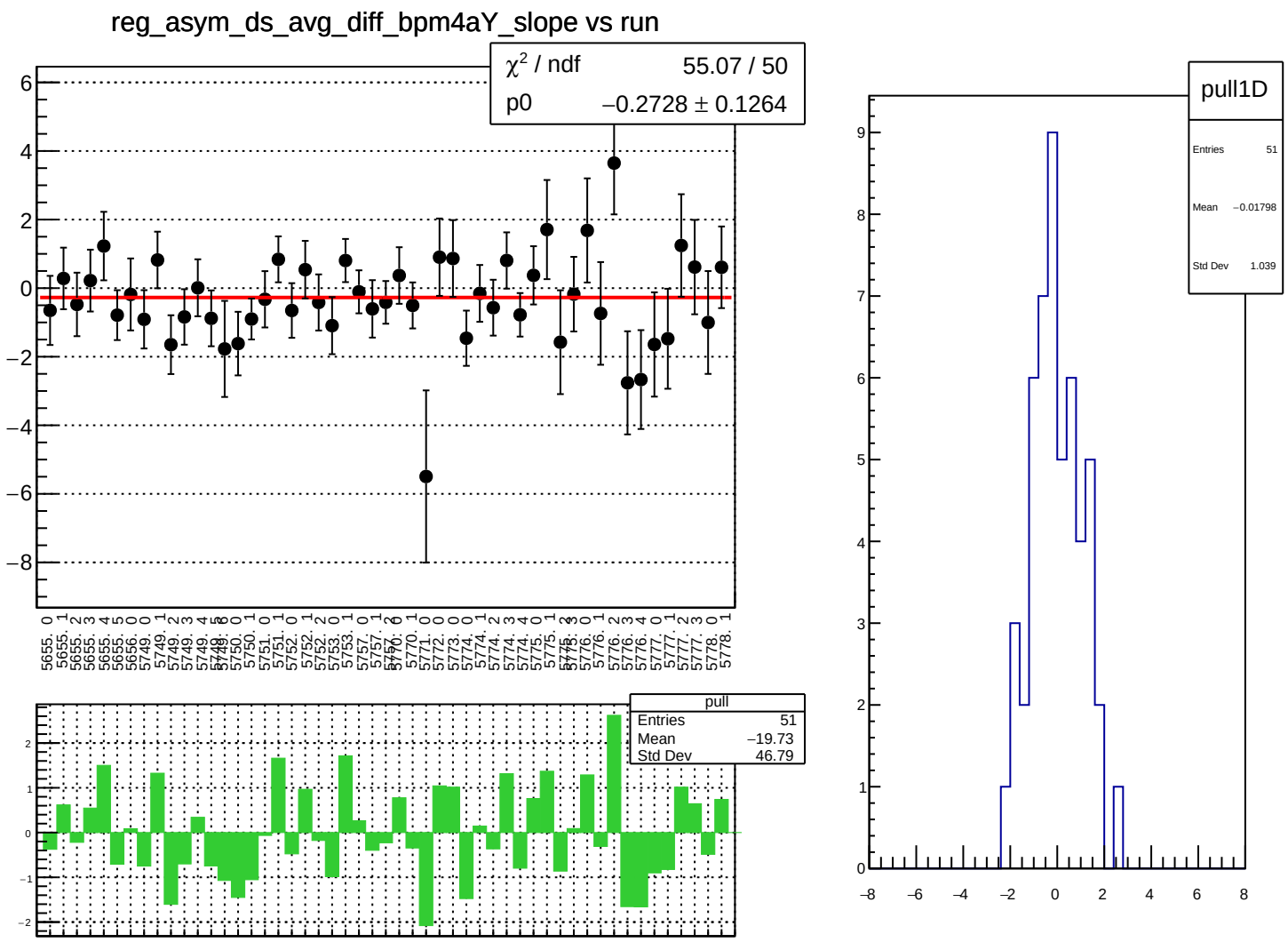

pull1D
Entries 51
Mean 0.07182
Std Dev 0.8975

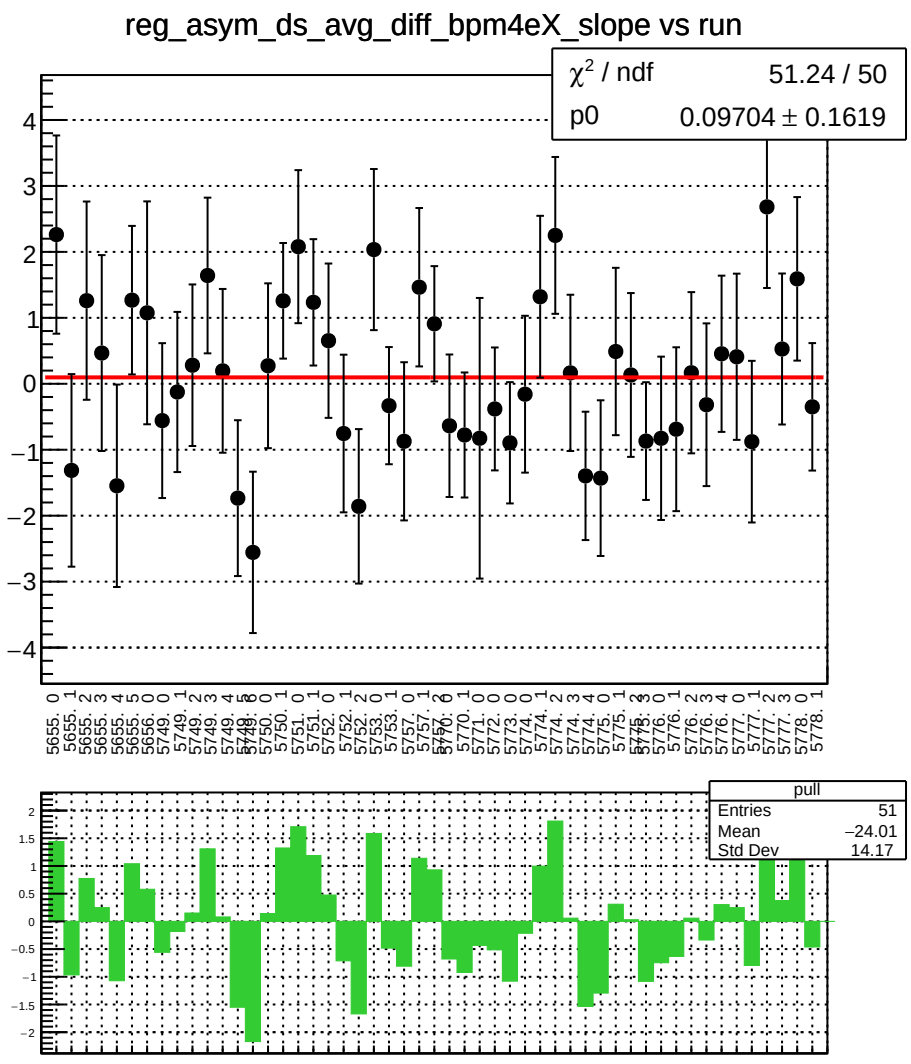

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 347.9 / 50
p0 −3.26 ± 0.07975
pull
Entries 51
Mean 712.2
Std Dev 691.7

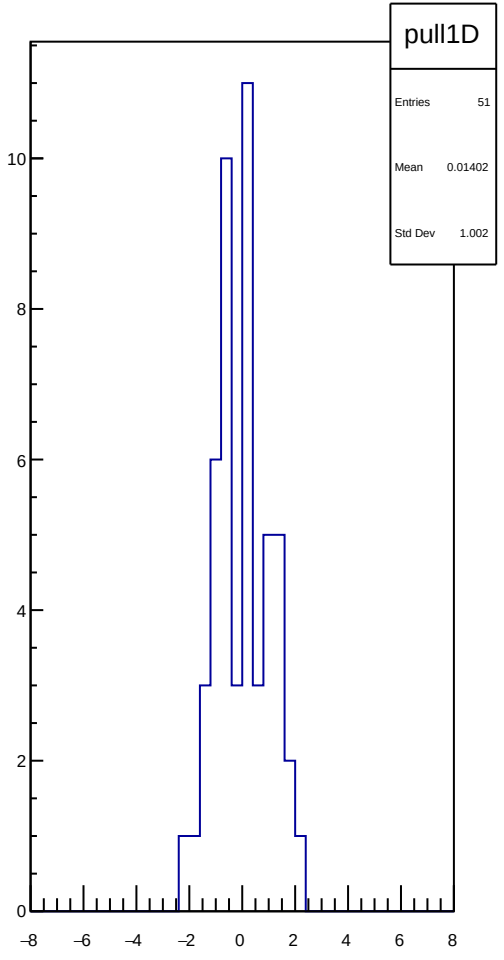

pull1D
Entries 51
Mean −0.03509
Std Dev 2.612

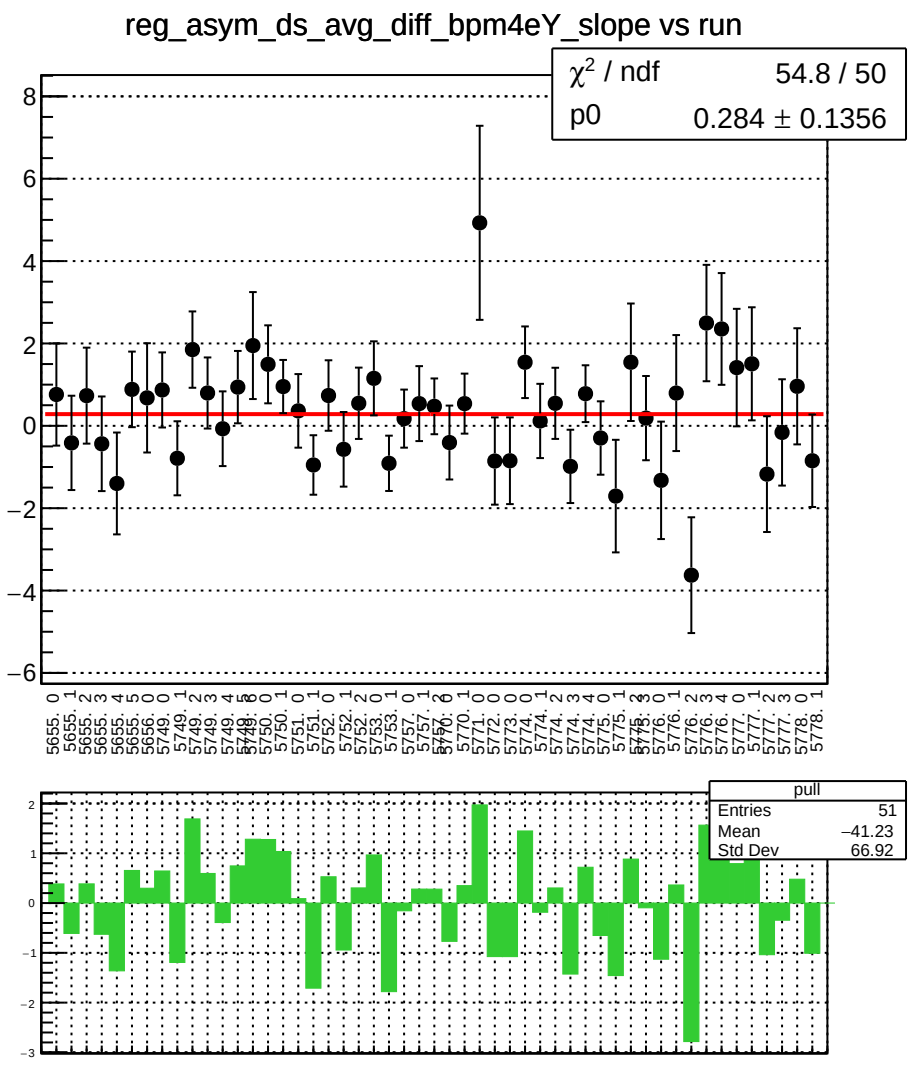

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.65 / 50
p0 −0.08065 ± 0.1263
pull
Entries 51
Mean 1.46
Std Dev 27.88

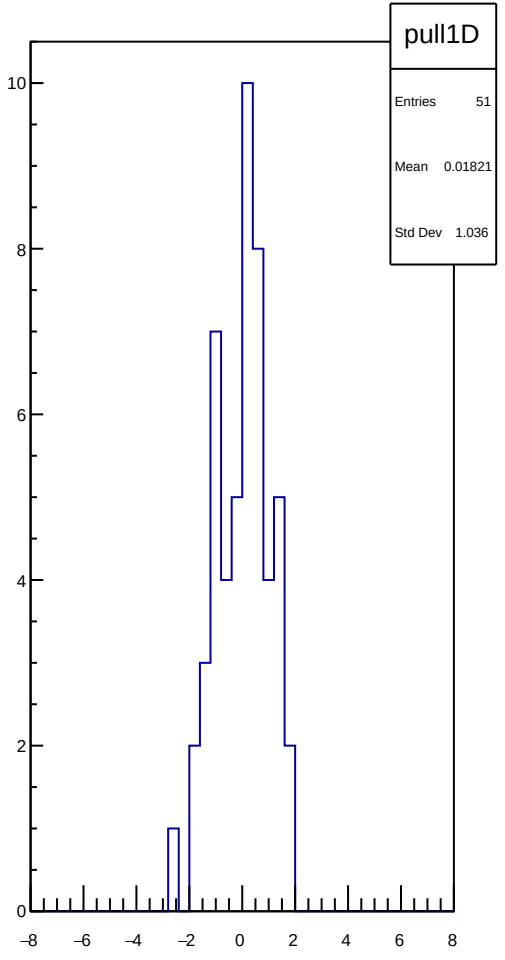

pull1D
Entries 51
Mean −0.02035
Std Dev 1.035

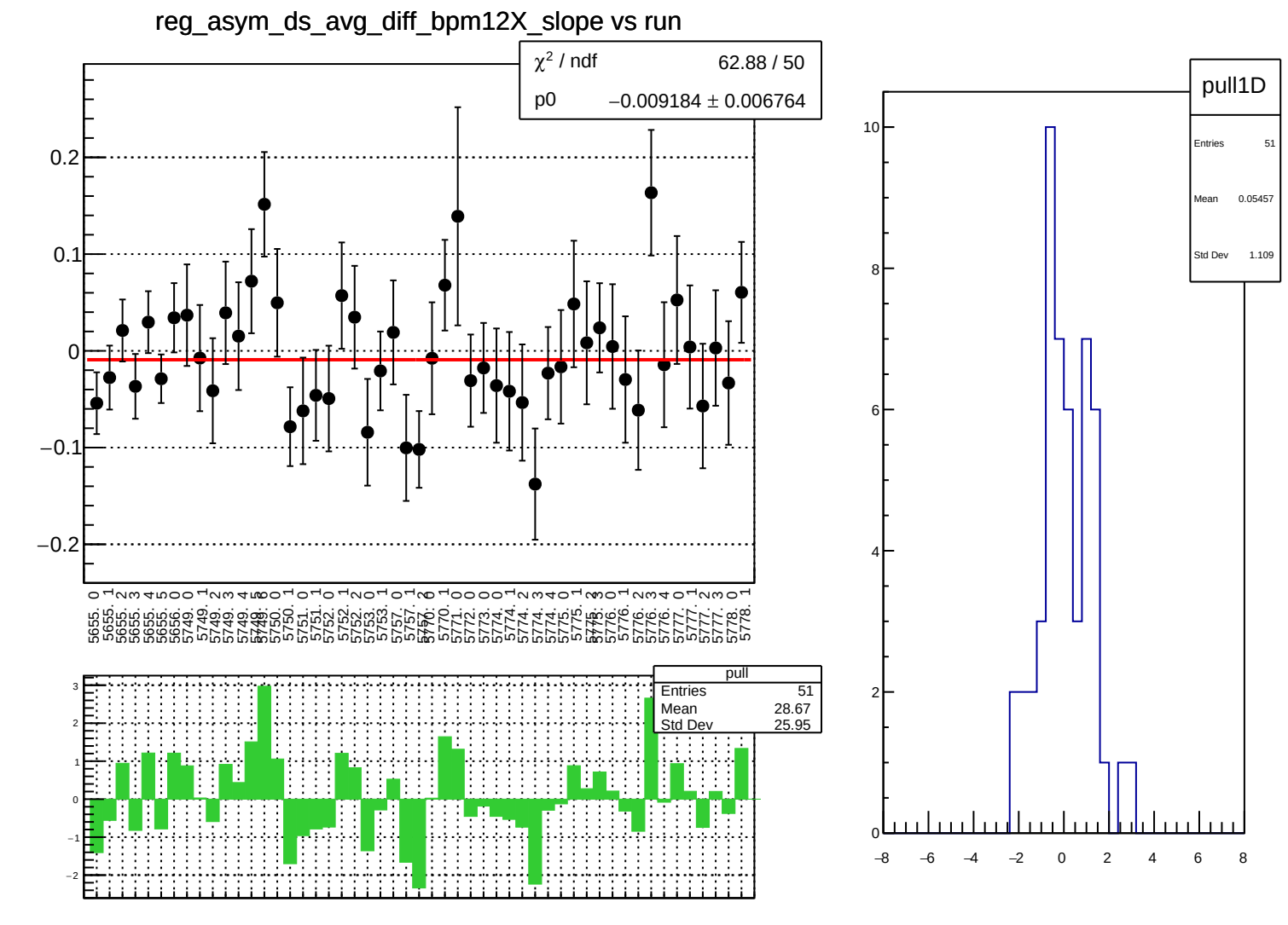

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.07 / 50
p0 −0.2728 ± 0.1264
pull
Entries 51
Mean −19.73
Std Dev 46.79
pull1D
Entries 51
Mean −0.01798
Std Dev 1.039

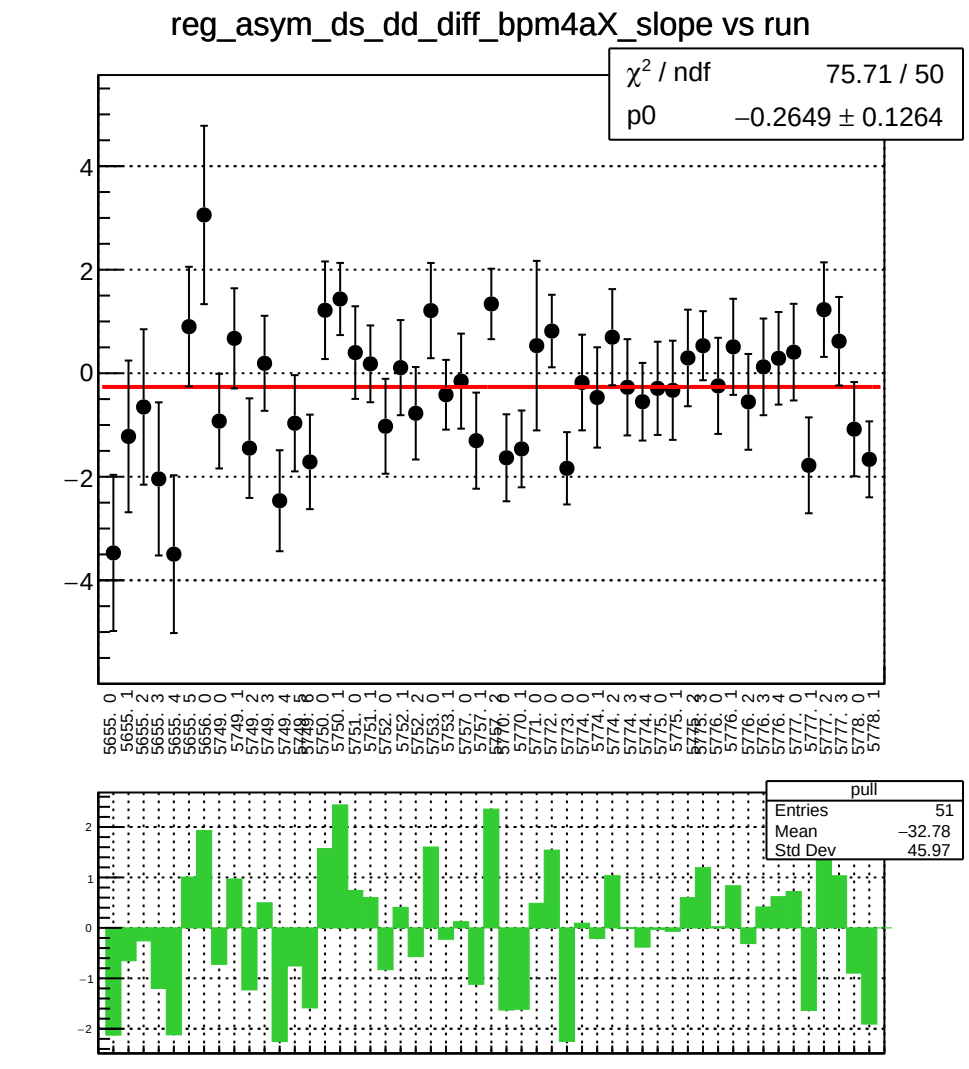

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.24 / 50
p0 0.09704 ± 0.1619
pull
Entries 51
Mean −24.01
Std Dev 14.17

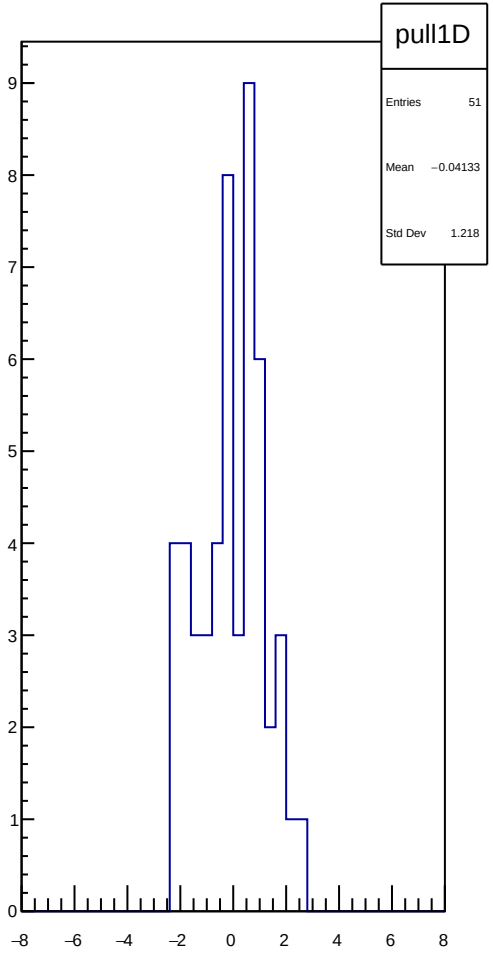

pull1D
Entries 51
Mean 0.01402
Std Dev 1.002

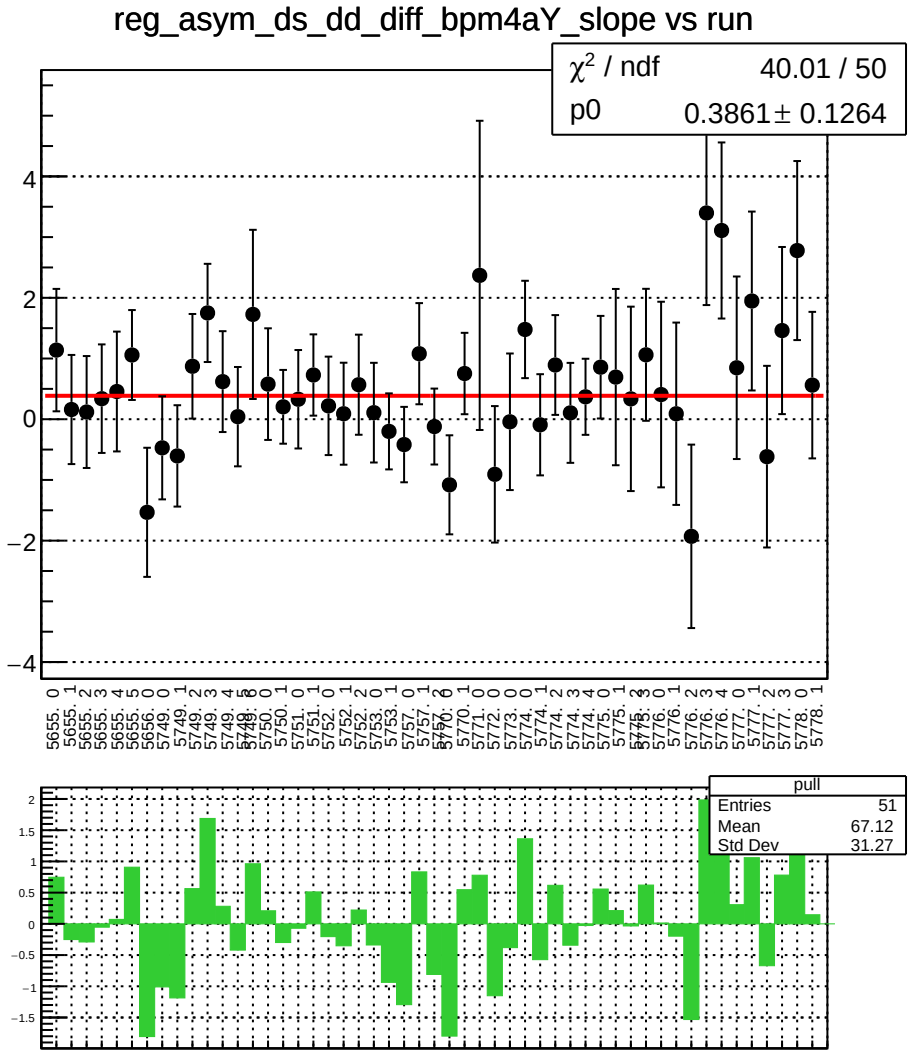

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.8 / 50
p0 0.284 ± 0.1356
pull
Entries 51
Mean −41.23
Std Dev 66.92

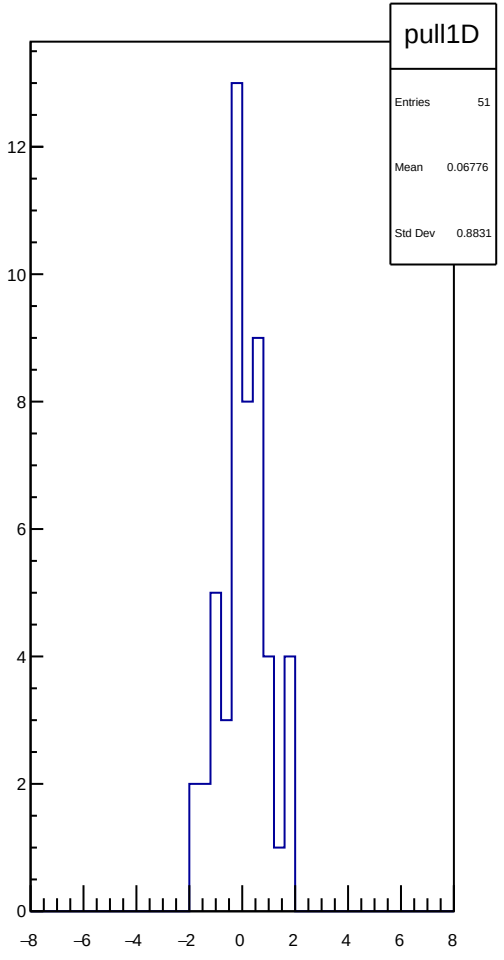

pull1D
Entries 51
Mean 0.01821
Std Dev 1.036

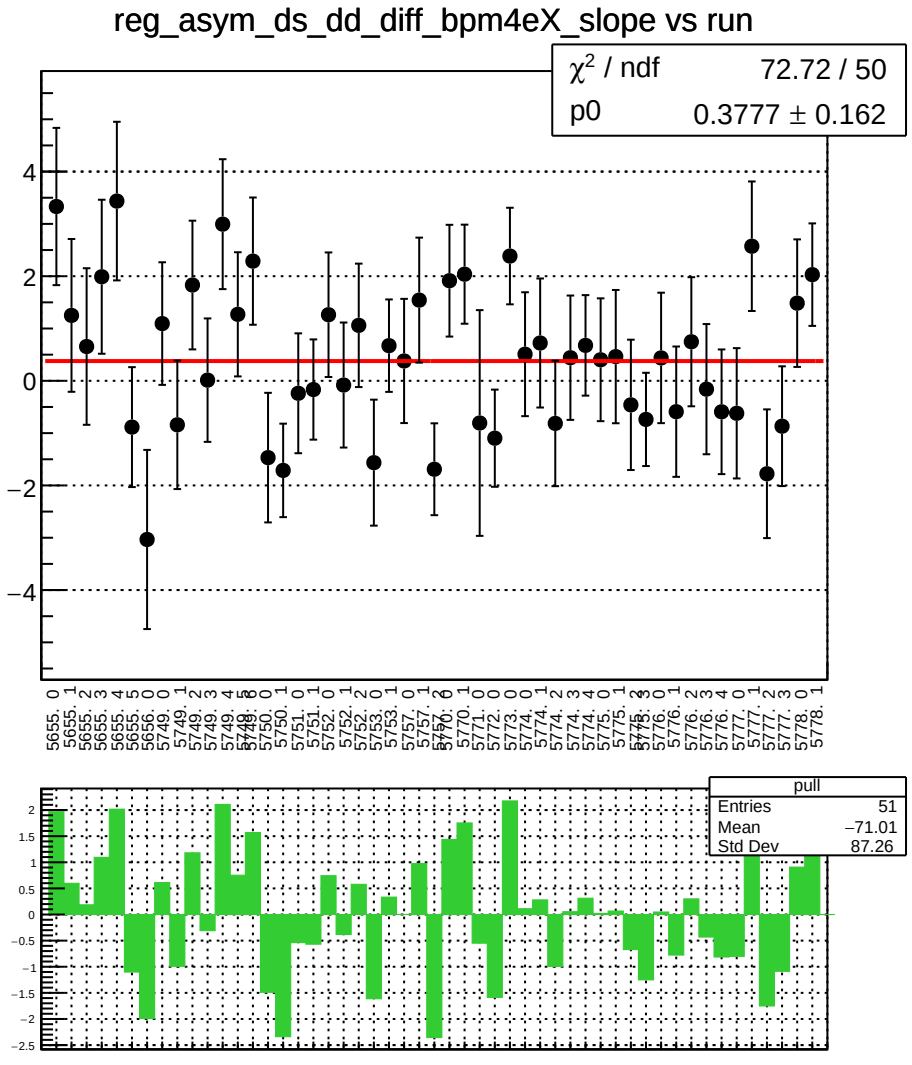

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 62.88 / 50
p0 −0.009184 ± 0.006764
pull
Entries 51
Mean 28.67
Std Dev 25.95
pull1D
Entries 51
Mean 0.05457
Std Dev 1.109

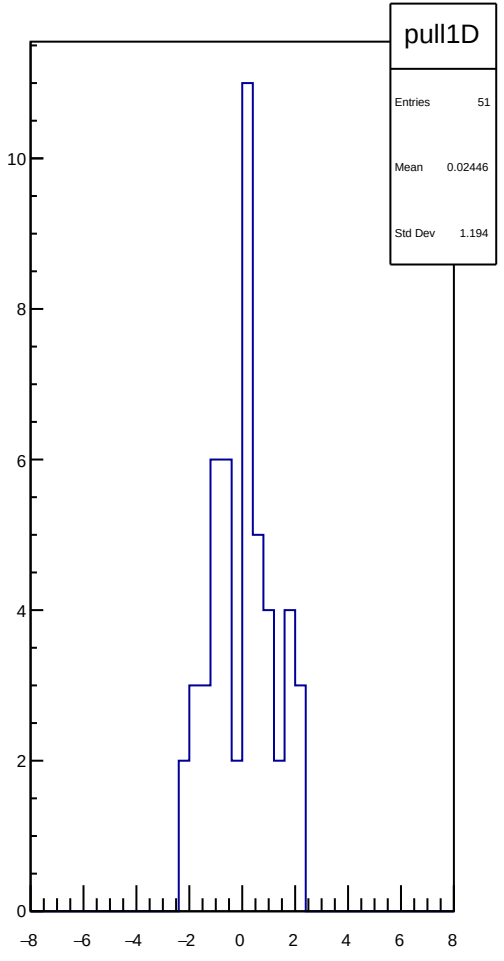

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 75.71 / 50
p0 −0.2649 ± 0.1264
pull
Entries 51
Mean −32.78
Std Dev 45.97

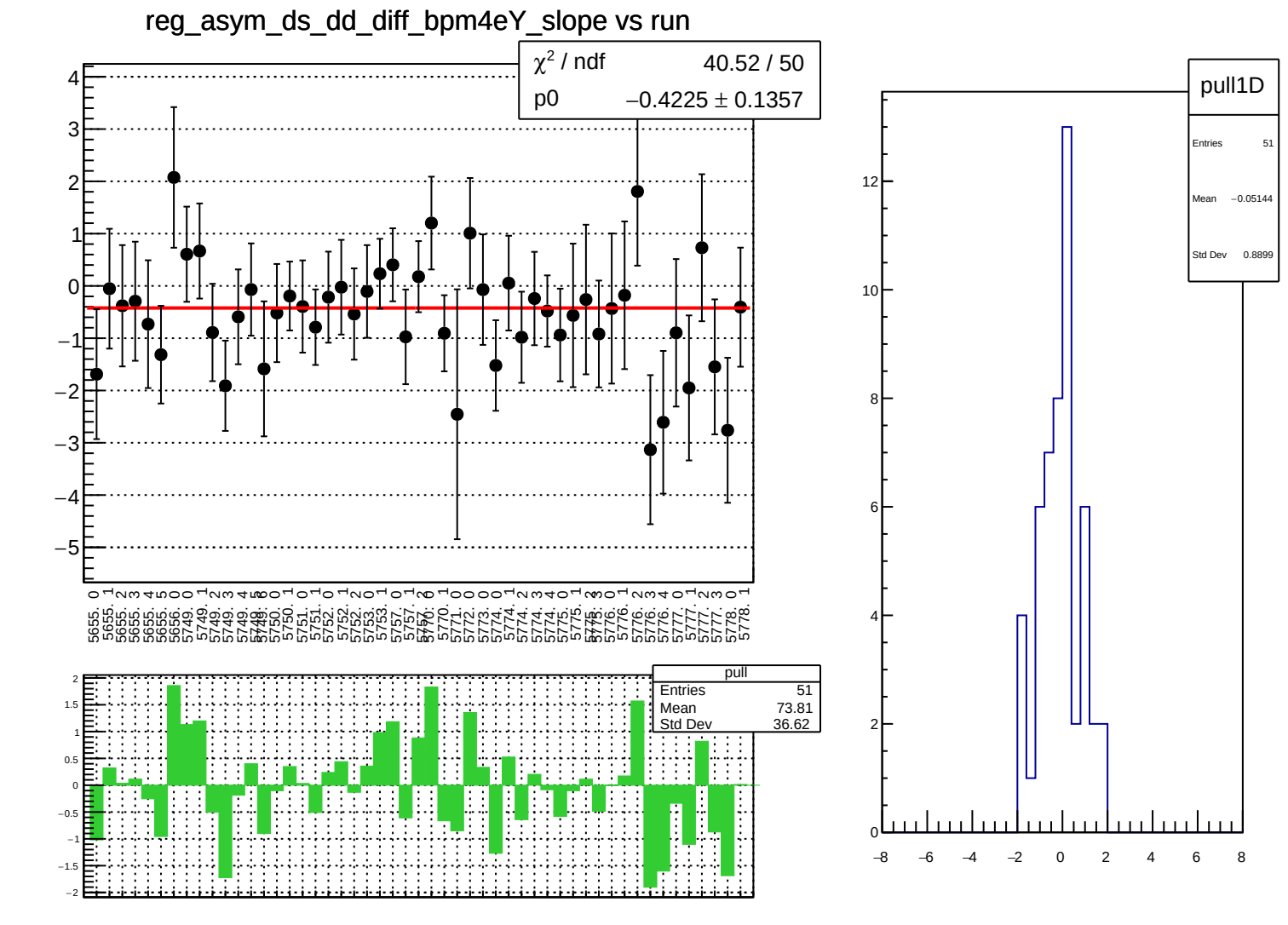

pull1D
Entries 51
Mean −0.04133
Std Dev 1.218

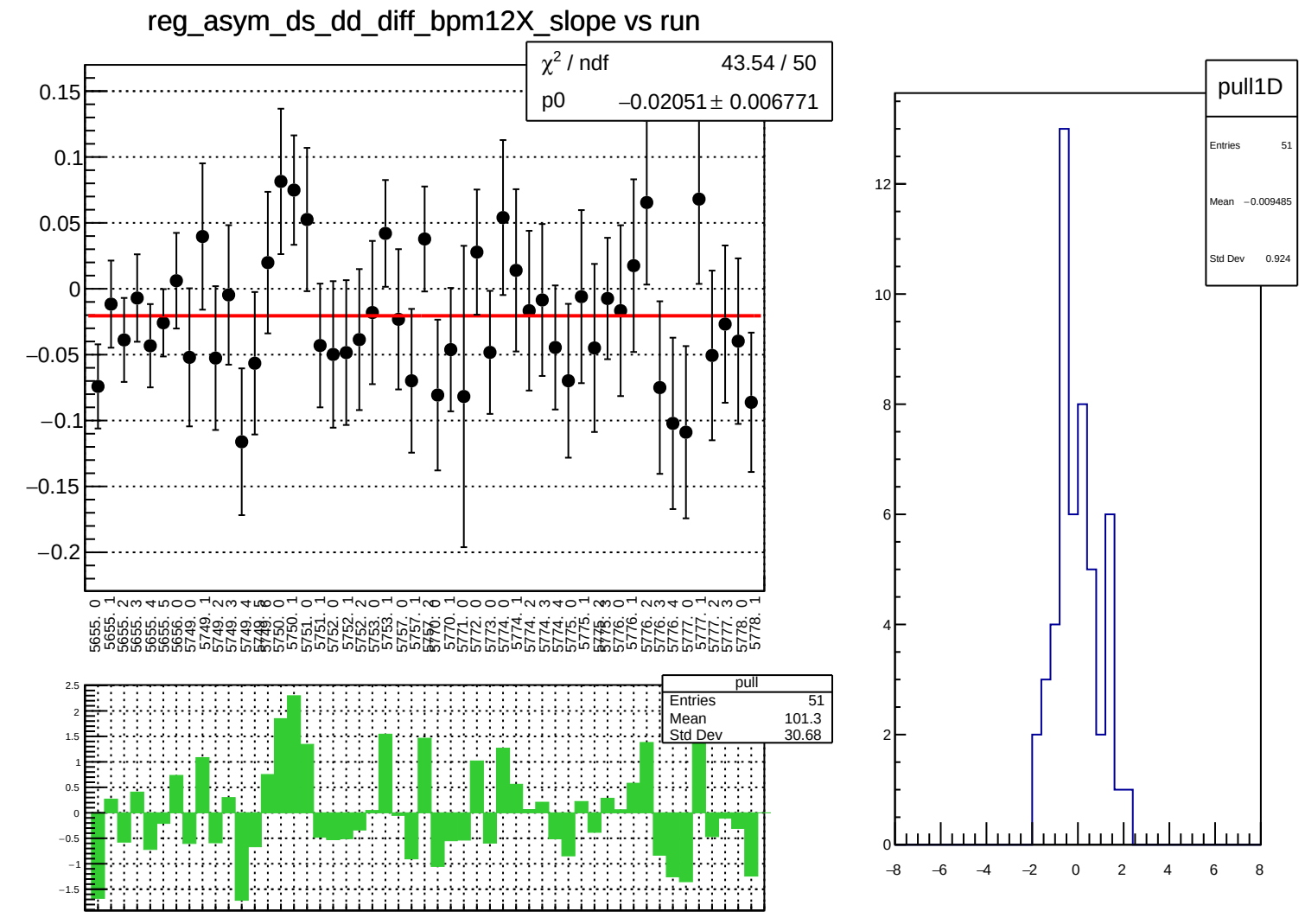

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.01 / 50
p0 0.3861 ± 0.1264
pull
Entries 51
Mean 67.12
Std Dev 31.27

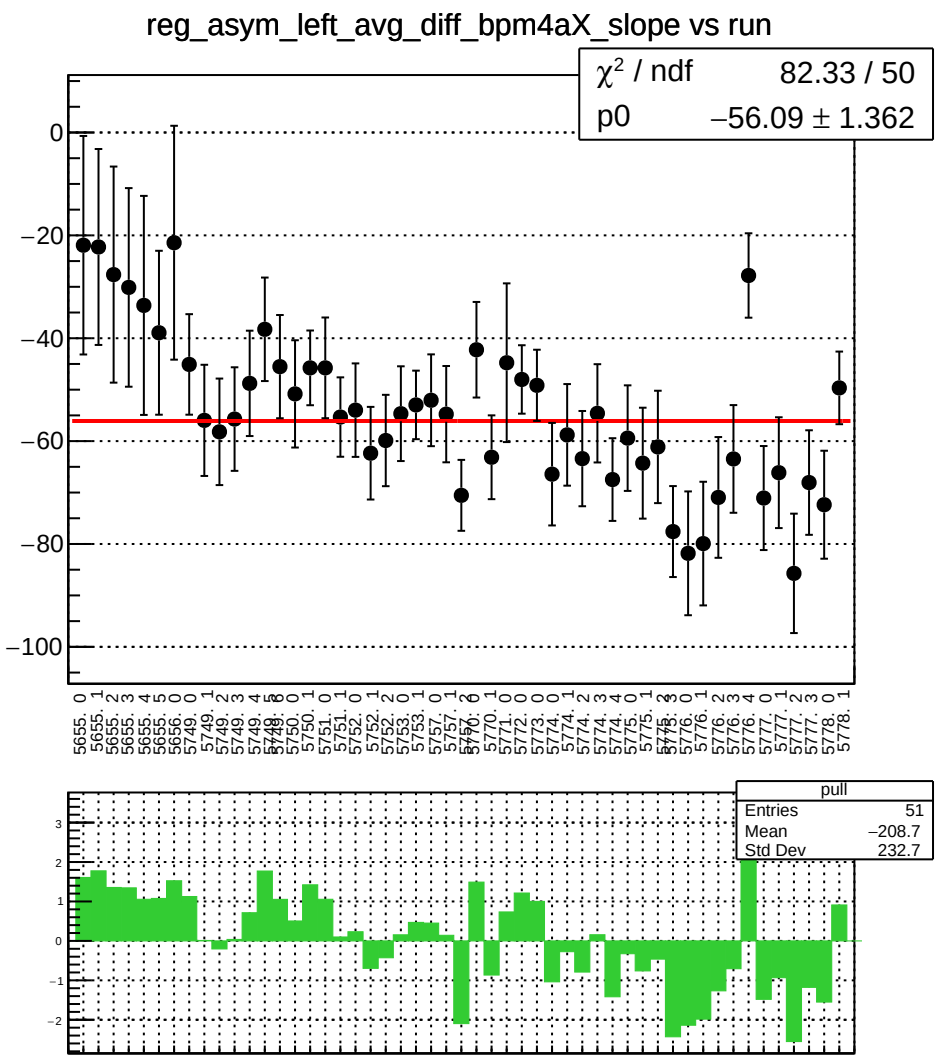

pull1D
Entries 51
Mean 0.06776
Std Dev 0.8831

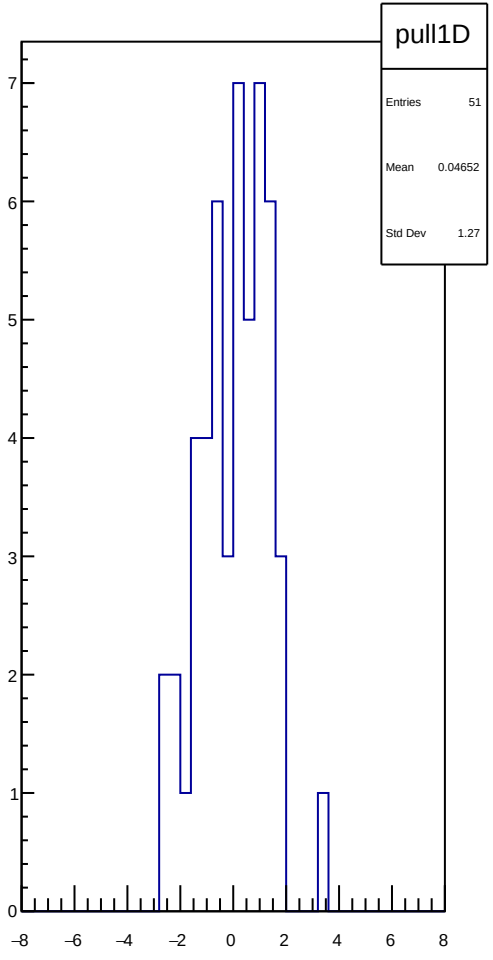

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.72 / 50
p0 0.3777 ± 0.162
pull
Entries 51
Mean −71.01
Std Dev 87.26

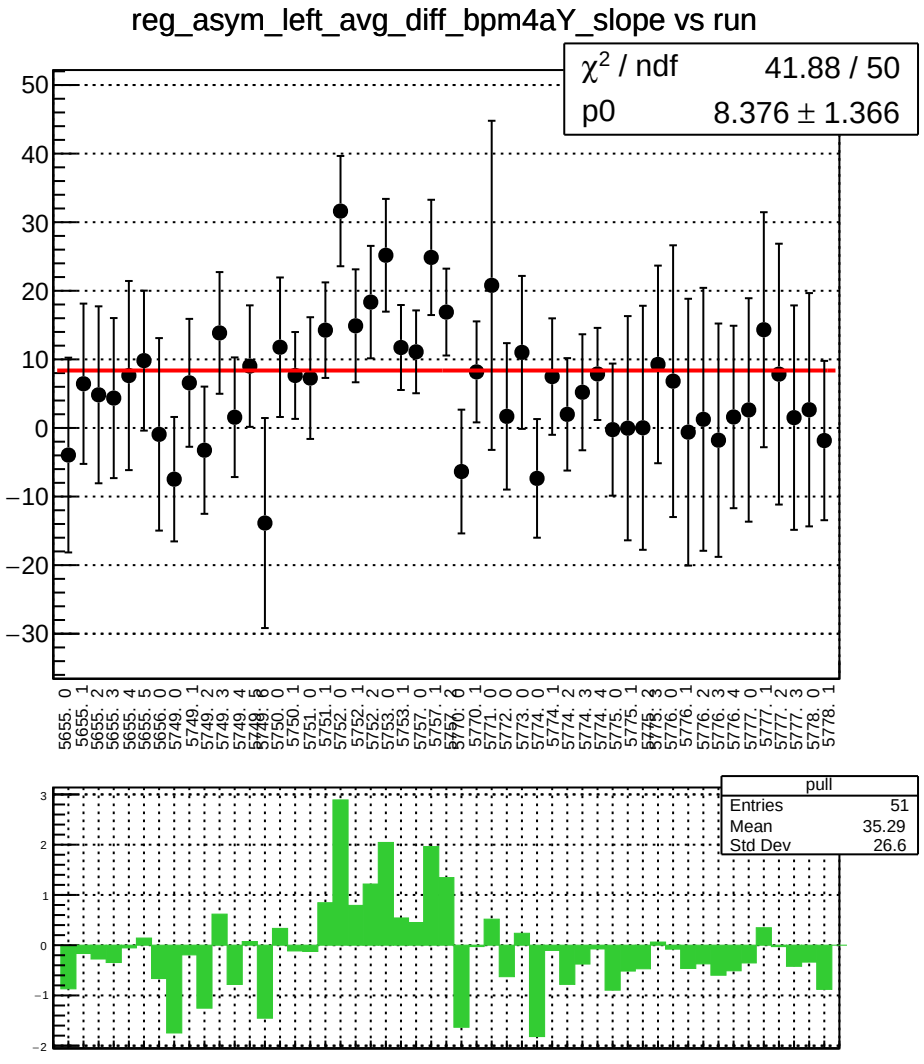

pull1D
Entries 51
Mean 0.02446
Std Dev 1.194

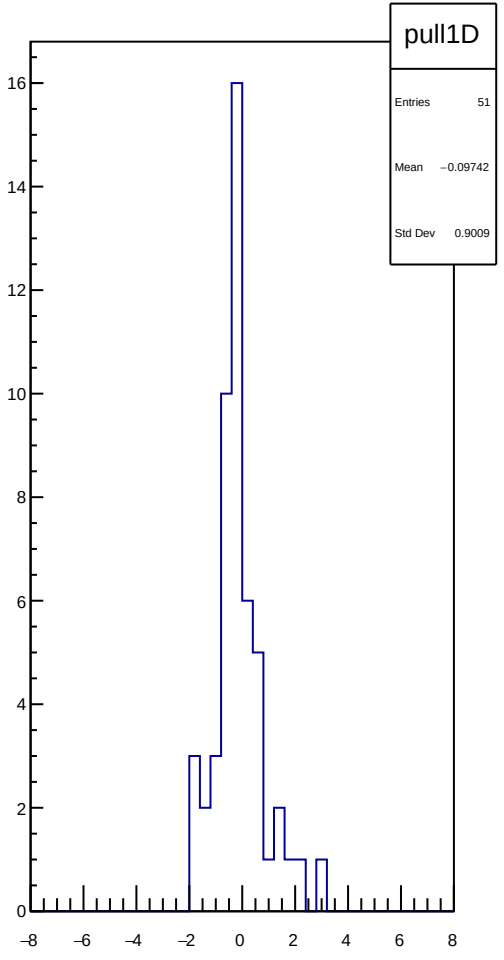

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.52 / 50
p0 −0.4225 ± 0.1357
pull
Entries 51
Mean 73.81
Std Dev 36.62
pull1D
Entries 51
Mean −0.05144
Std Dev 0.8899

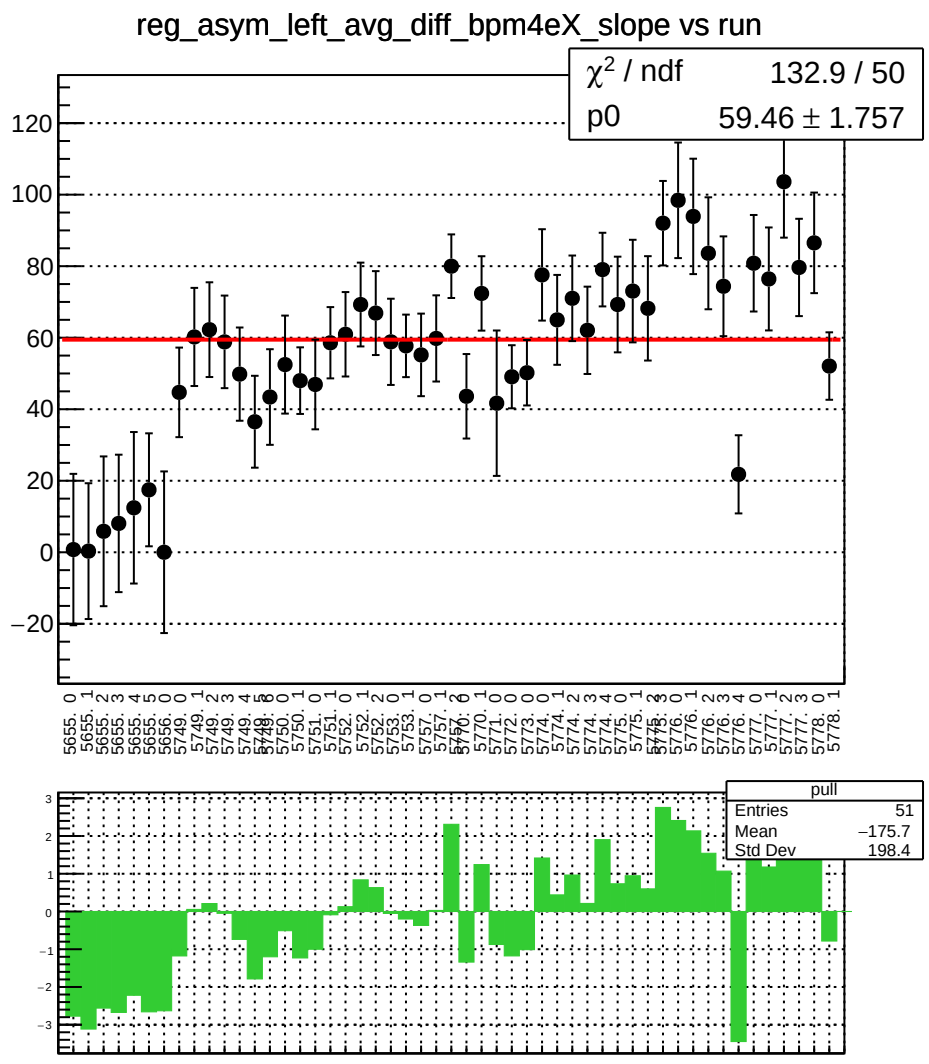

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 43.54 / 50
p0 −0.02051 ± 0.006771
pull
Entries 51
Mean 101.3
Std Dev 30.68
pull1D
Entries 51
Mean −0.009485
Std Dev 0.924

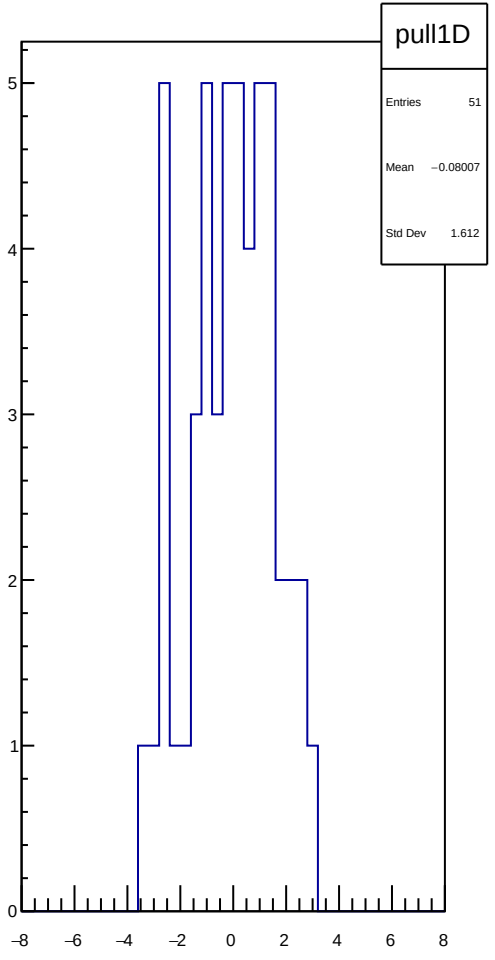

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 82.33 / 50
p0 −56.09 ± 1.362
pull
Entries 51
Mean −208.7
Std Dev 232.7

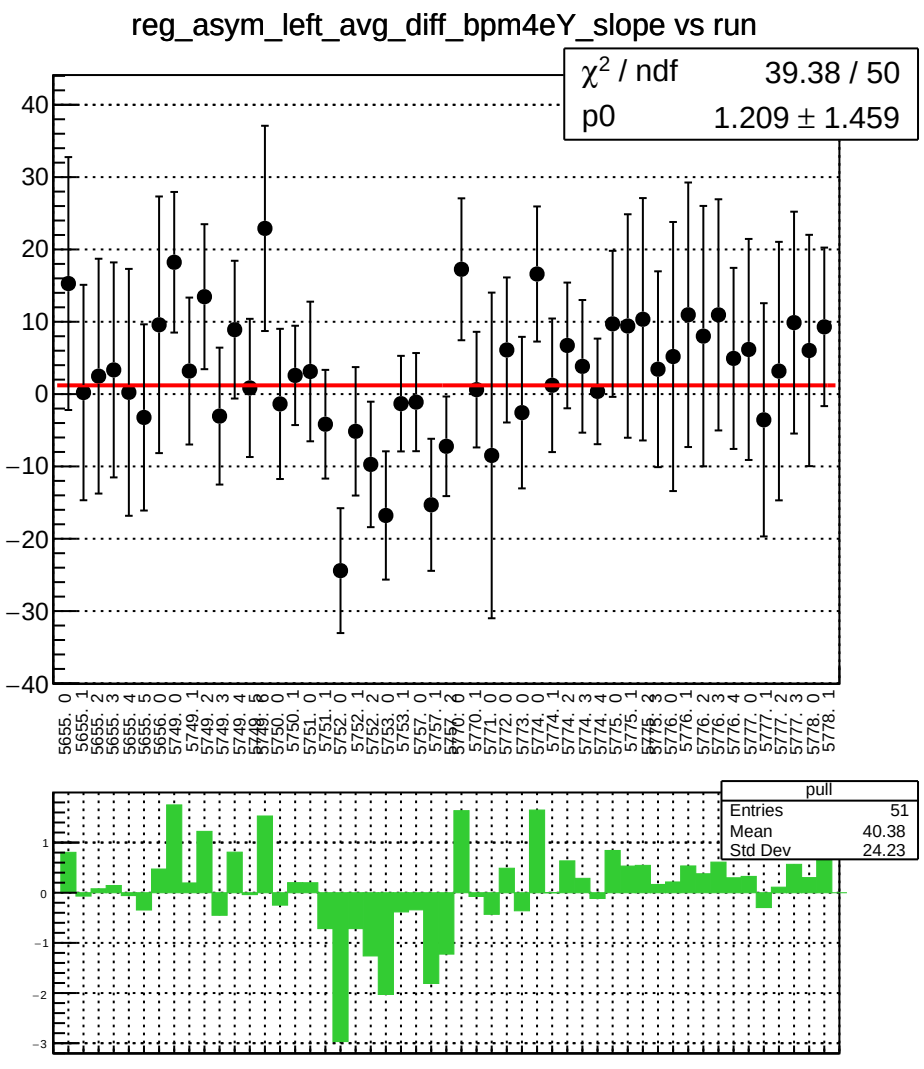

pull1D
Entries 51
Mean 0.04652
Std Dev 1.27

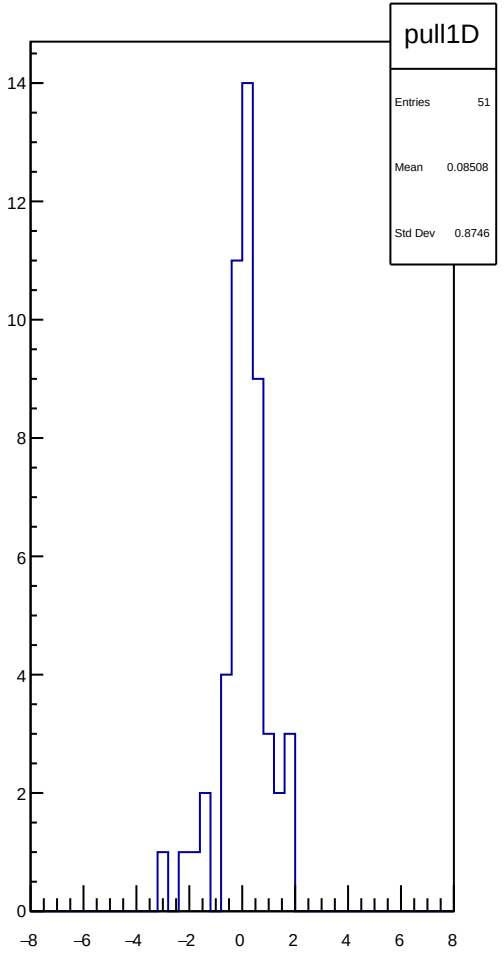

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.88 / 50
p0 8.376 ± 1.366
pull
Entries 51
Mean 35.29
Std Dev 26.6

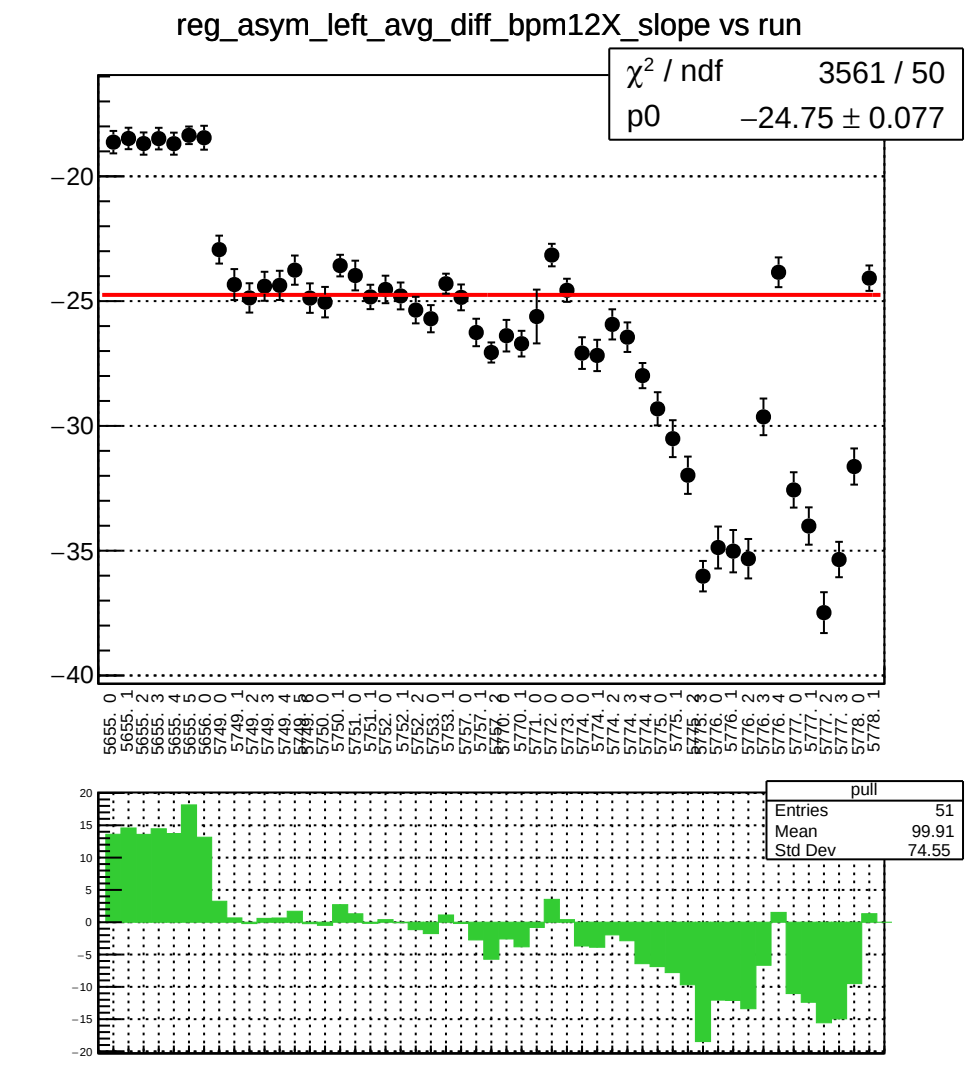

pull1D
Entries 51
Mean −0.09742
Std Dev 0.9009

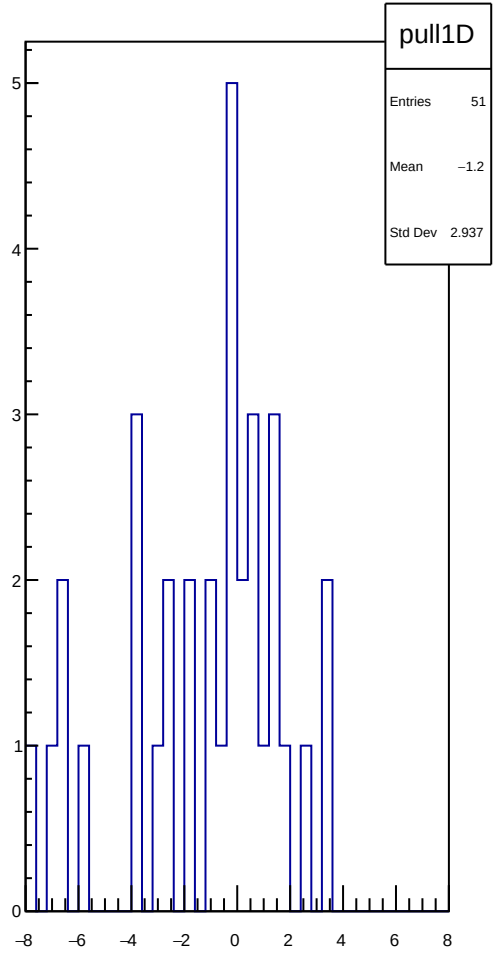

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 132.9 / 50
p0 59.46 ± 1.757
pull
Entries 51
Mean −175.7
Std Dev 198.4

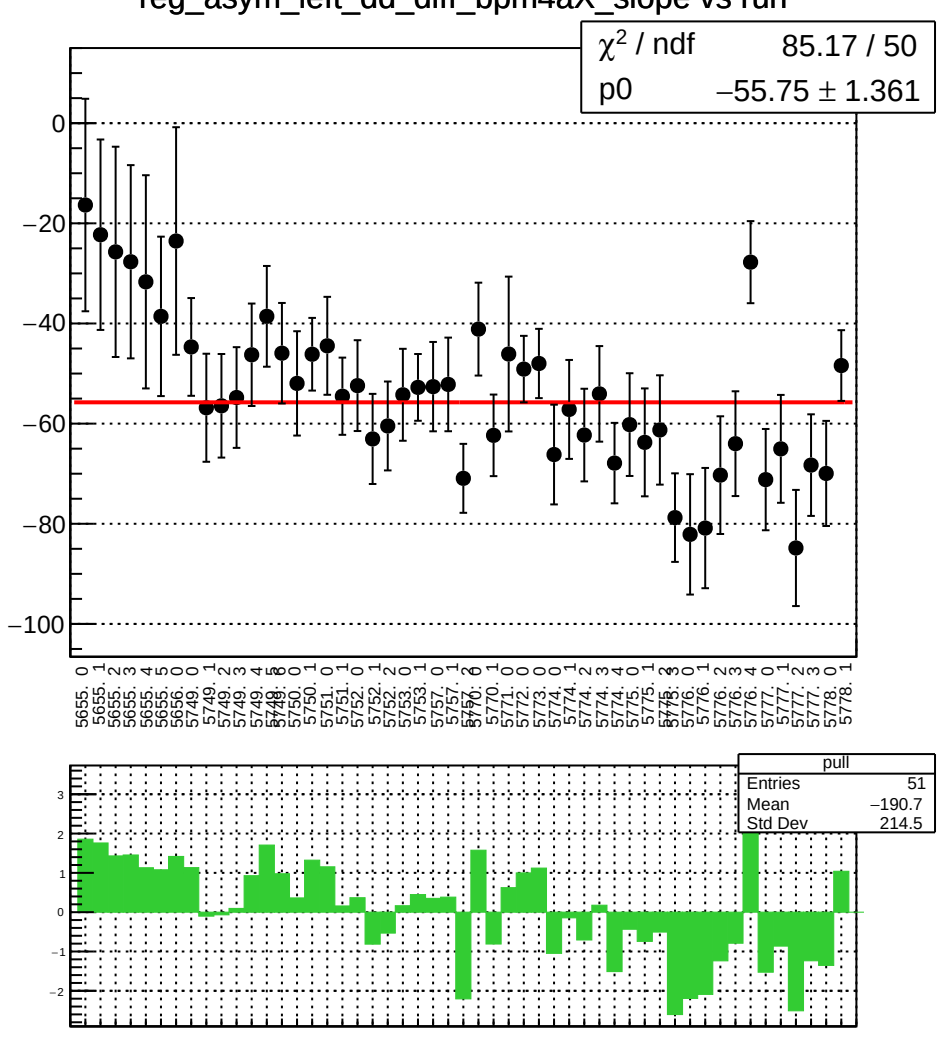

pull1D
Entries 51
Mean −0.08007
Std Dev 1.612

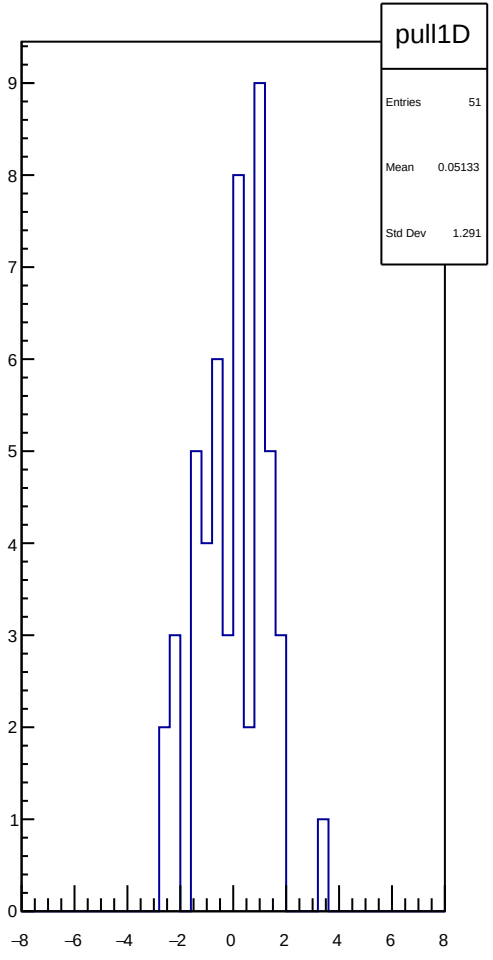

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.38 / 50
p0 1.209 ± 1.459
pull
Entries 51
Mean 40.38
Std Dev 24.23

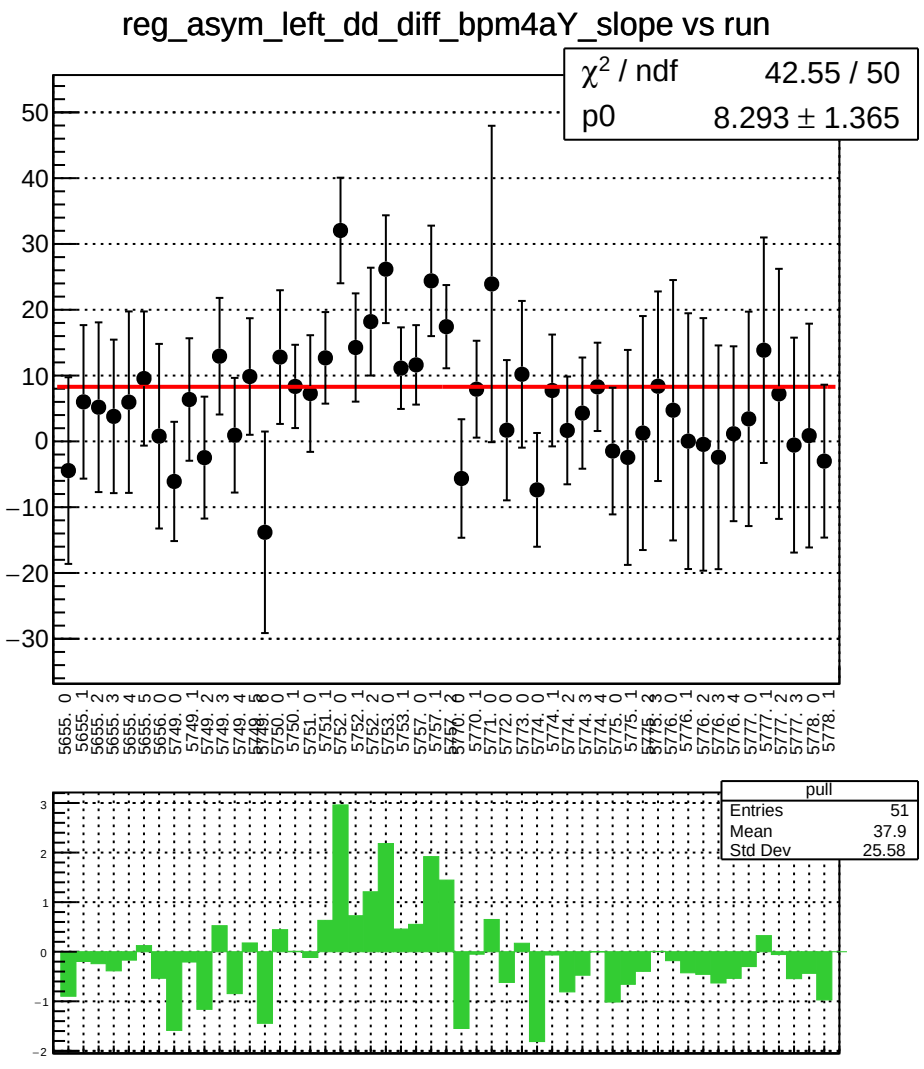

pull1D
Entries 51
Mean 0.08508
Std Dev 0.8746

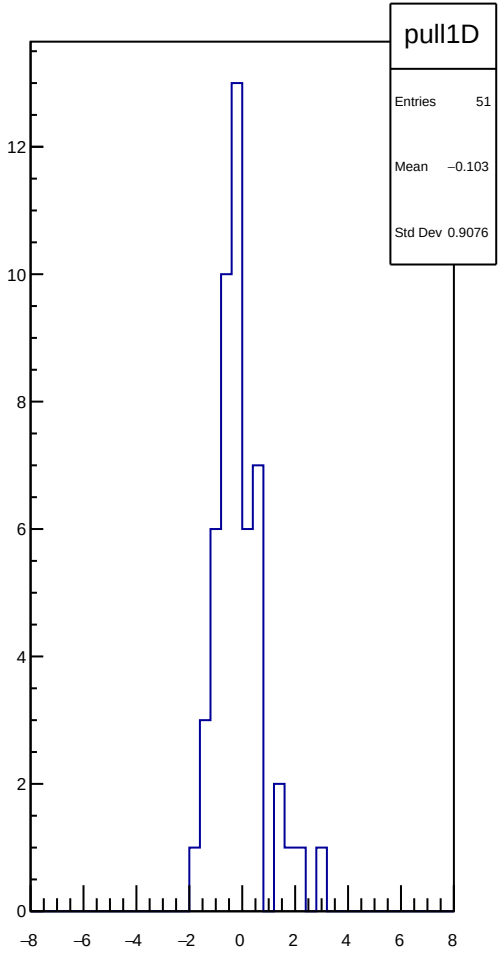

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 3561 / 50
p0 −24.75 ± 0.077
pull
Entries 51
Mean 99.91
Std Dev 74.55

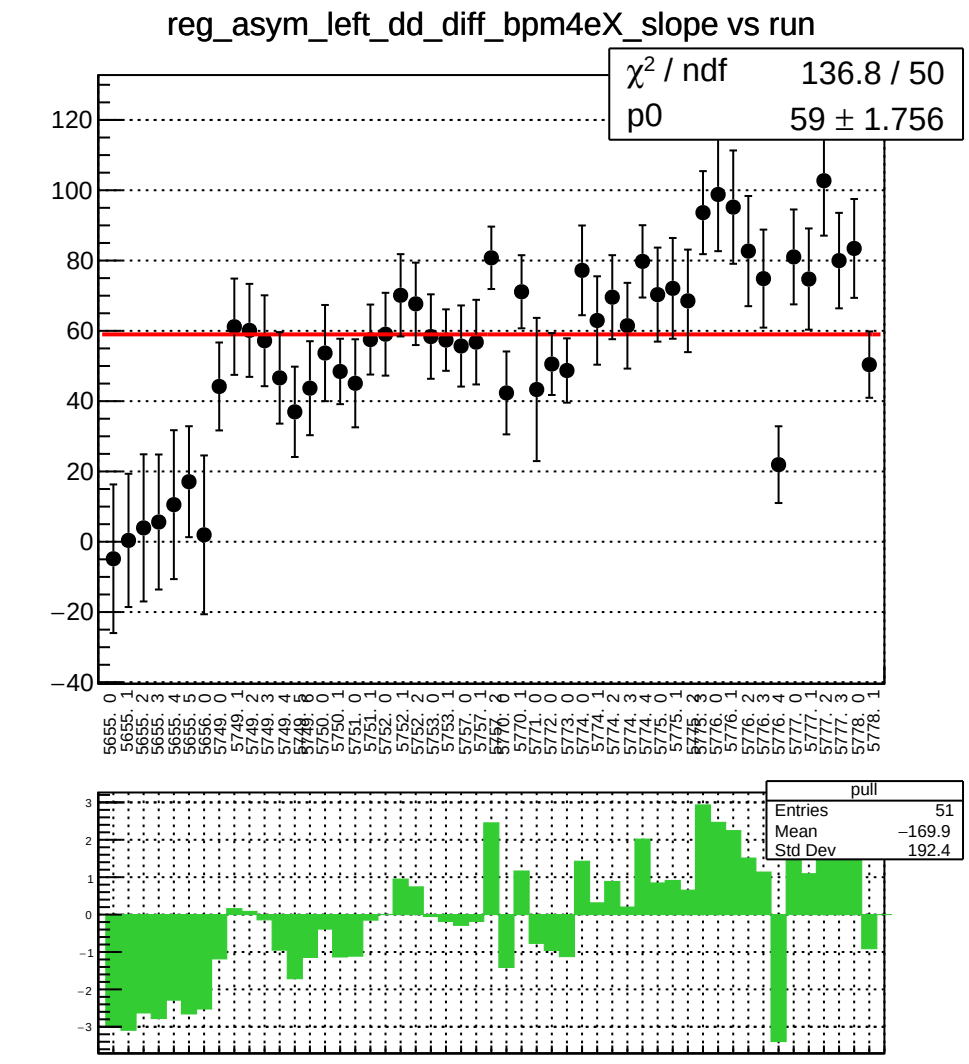

pull1D
Entries 51
Mean −1.2
Std Dev 2.937

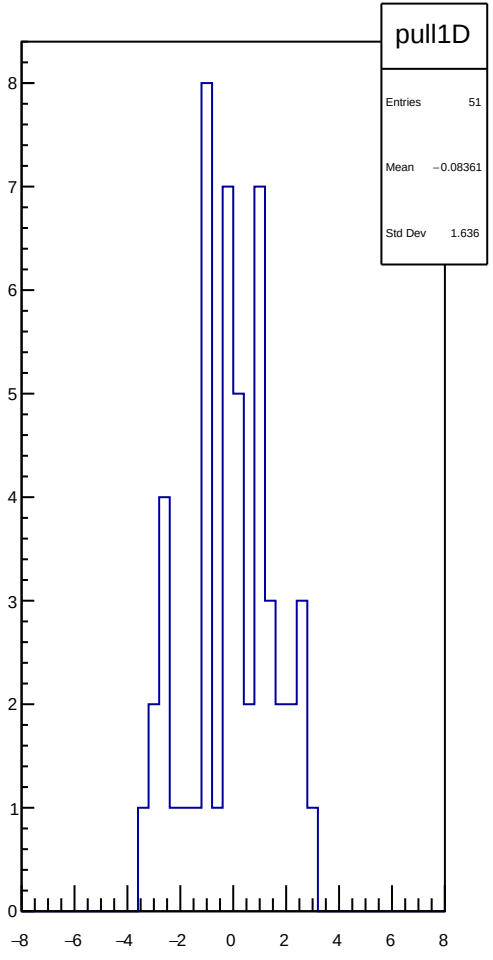

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 85.17 / 50
p0 −55.75 ± 1.361
pull
Entries 51
Mean −190.7
Std Dev 214.5

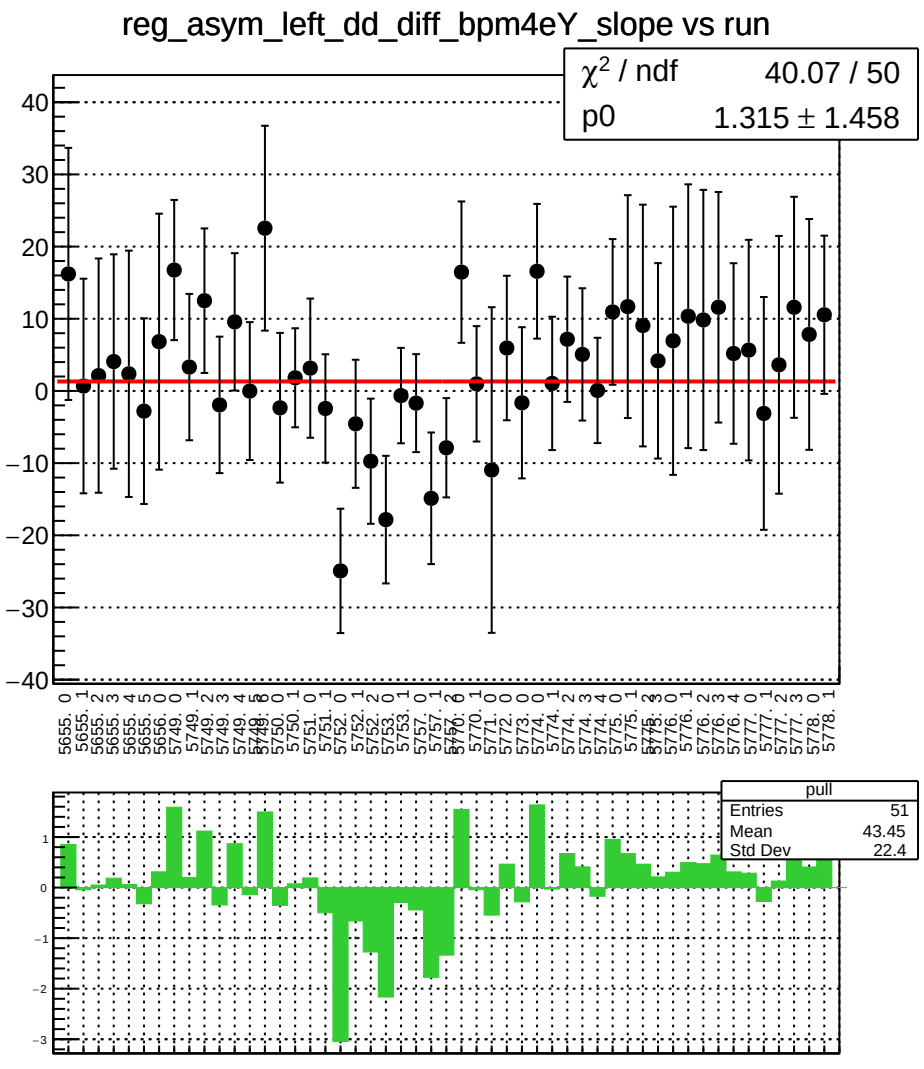

pull1D
Entries 51
Mean 0.05133
Std Dev 1.291

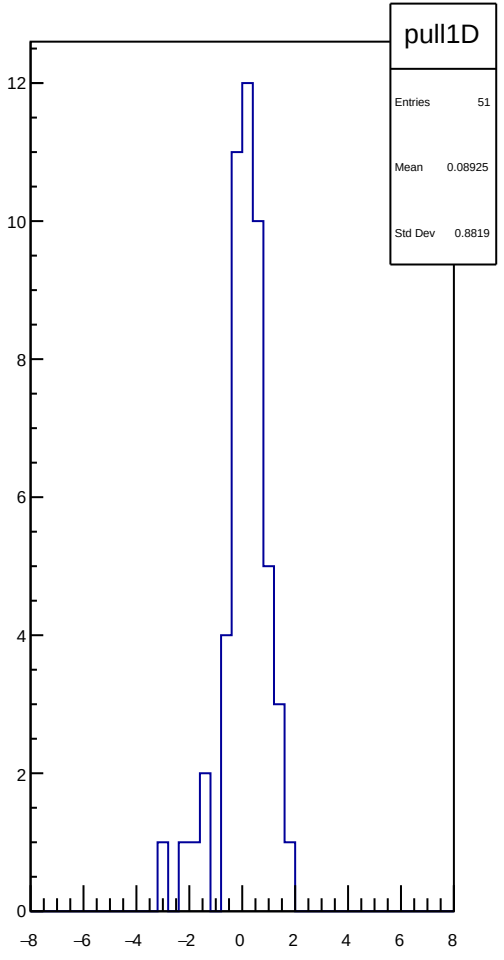

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.55 / 50
p0 8.293 ± 1.365
pull
Entries 51
Mean 37.9
Std Dev 25.58

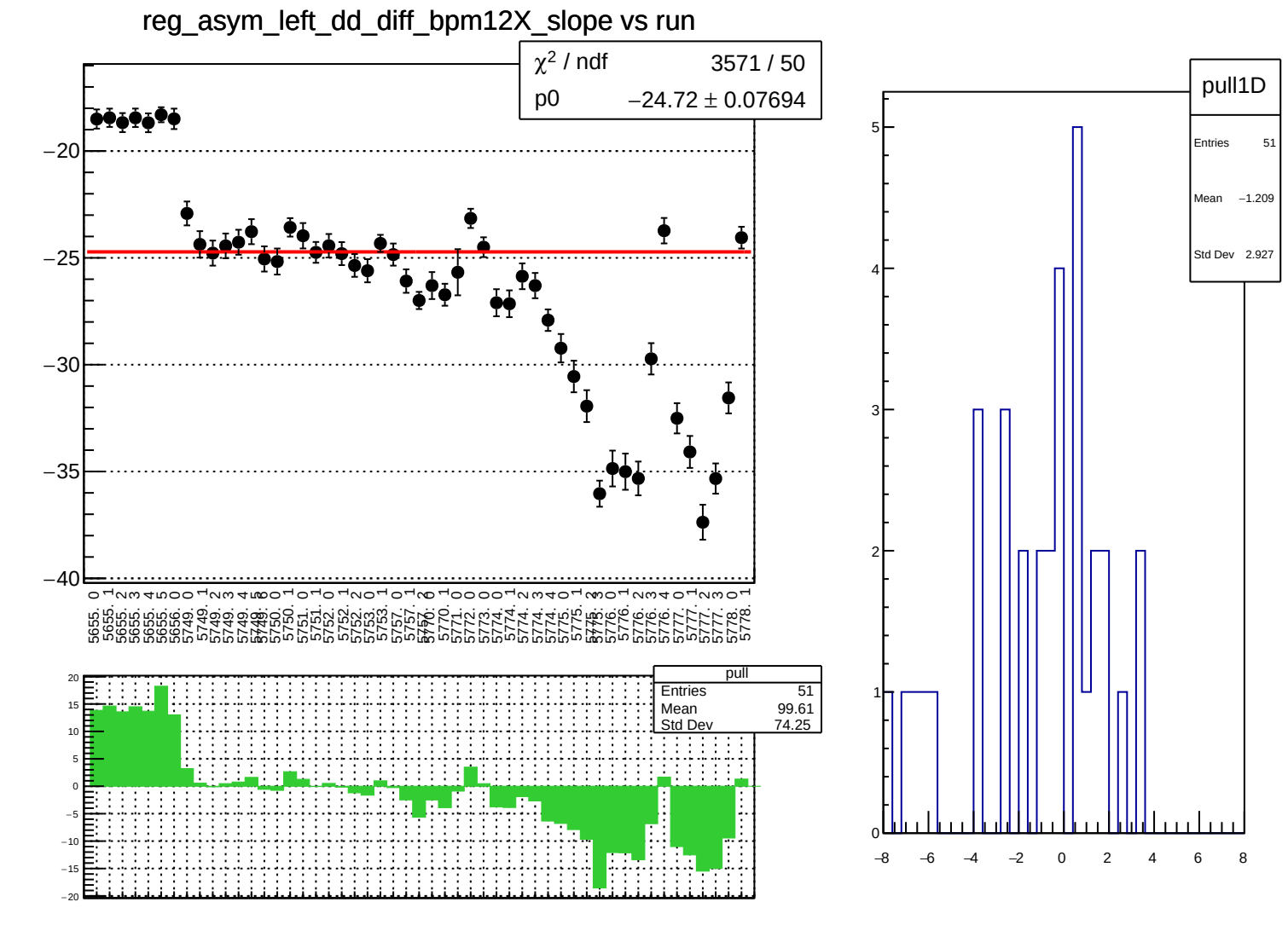

pull1D
Entries 51
Mean −0.103
Std Dev 0.9076

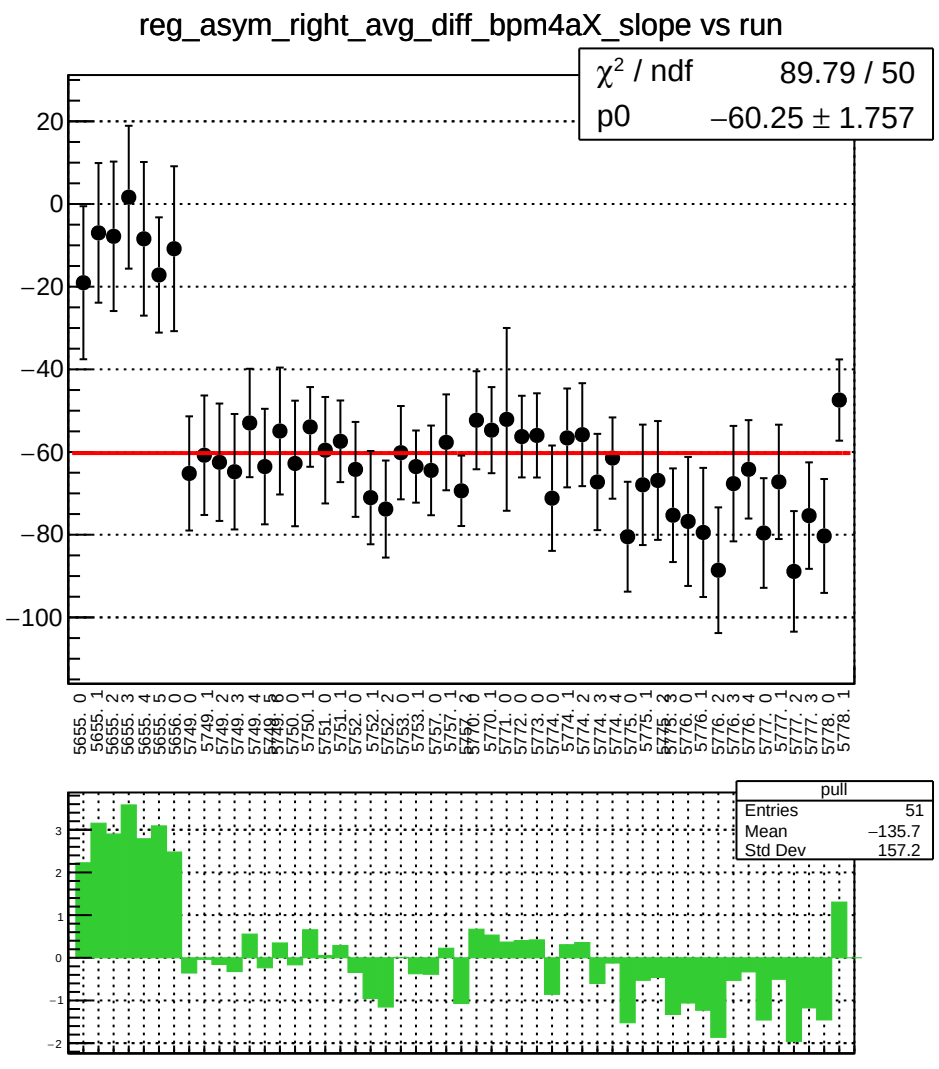

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 136.8 / 50
p0 59 ± 1.756
pull
Entries 51
Mean −169.9
Std Dev 192.4

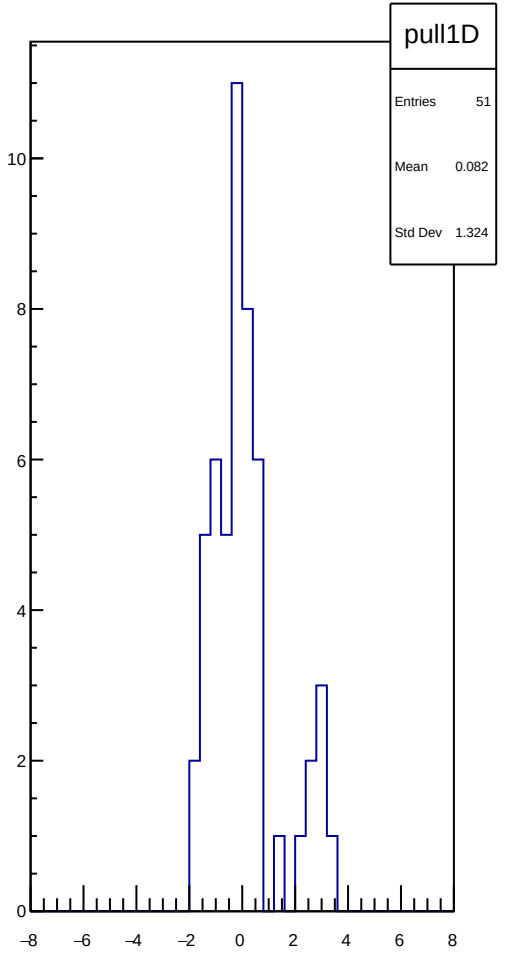

pull1D
Entries 51
Mean −0.08361
Std Dev 1.636

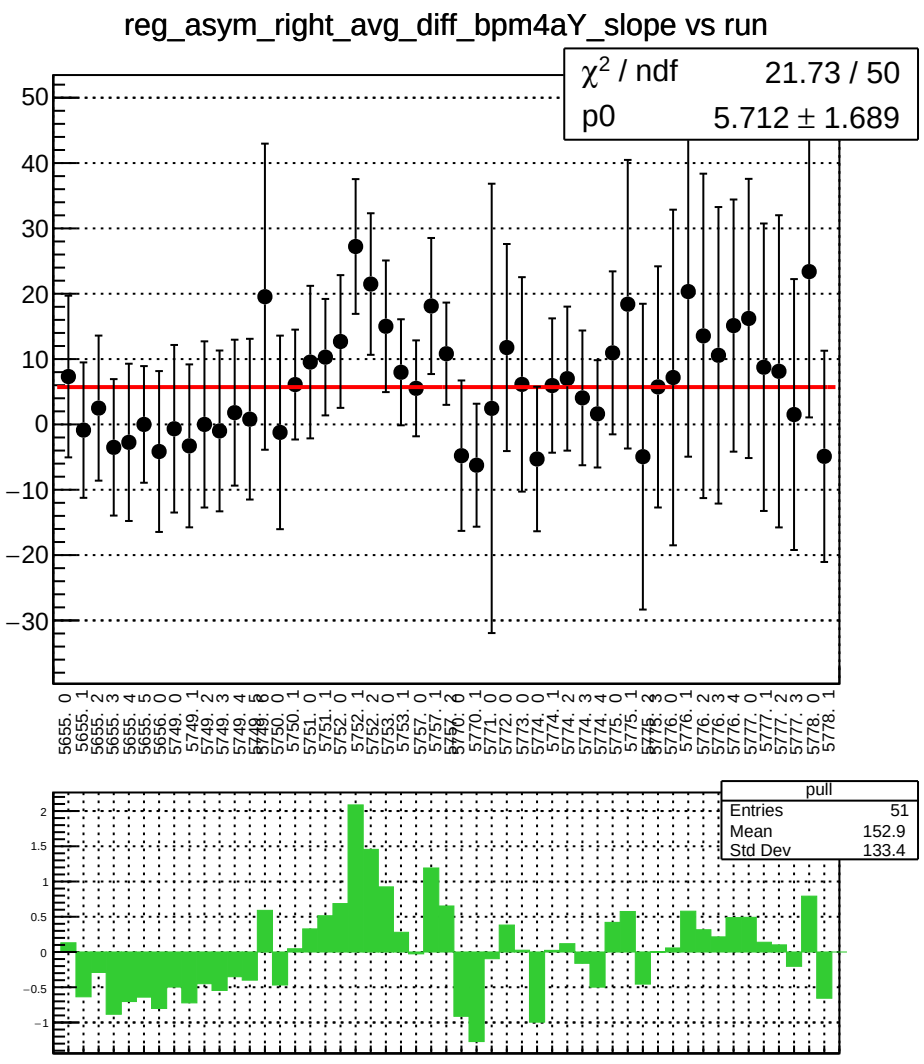

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.07 / 50
p0 1.315 ± 1.458
pull
Entries 51
Mean 43.45
Std Dev 22.4

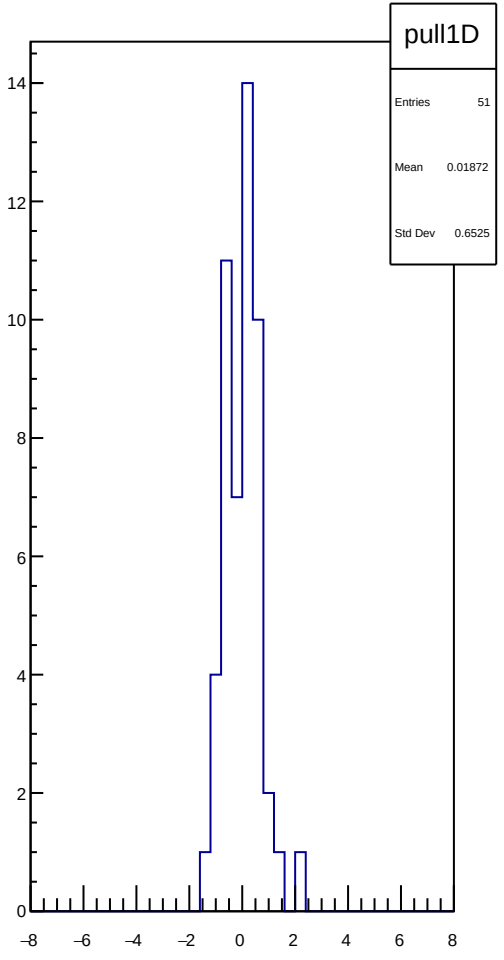

pull1D
Entries 51
Mean 0.08925
Std Dev 0.8819

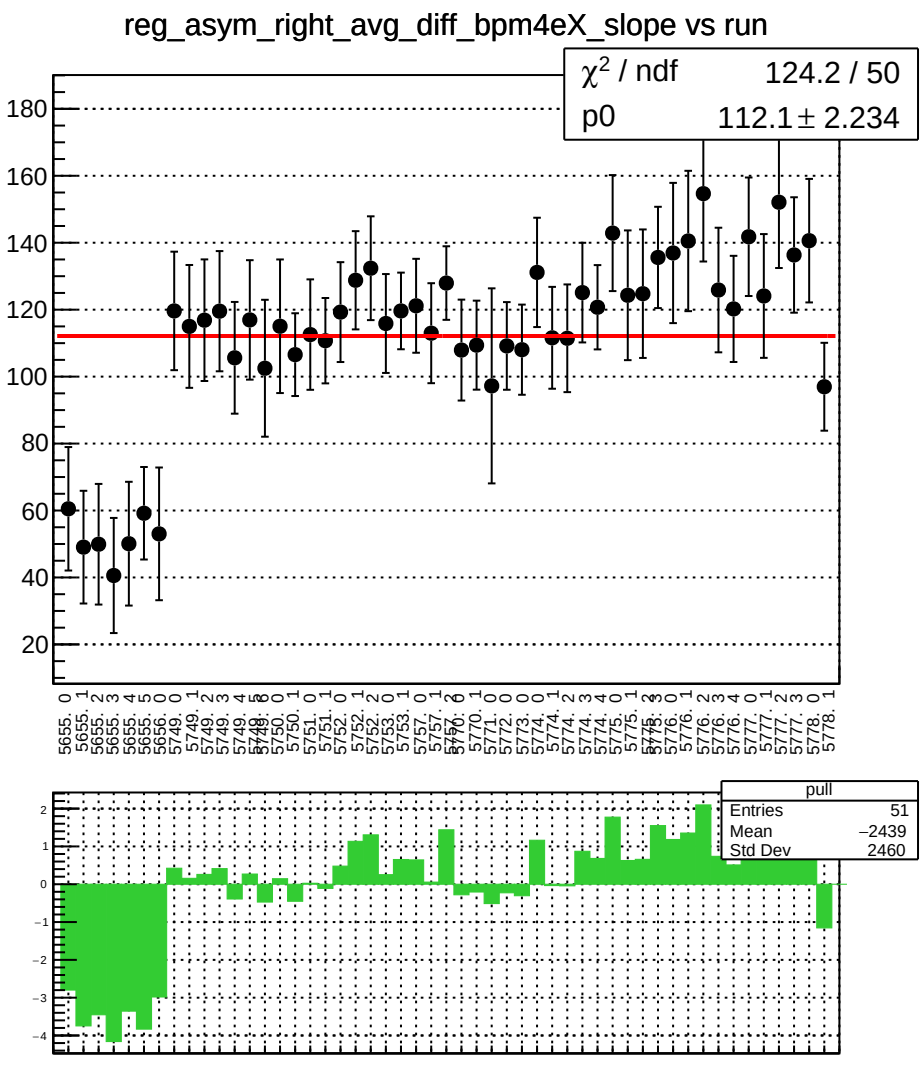

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 3571 / 50
p0 −24.72 ± 0.07694
pull
Entries 51
Mean 99.61
Std Dev 74.25
pull1D
Entries 51
Mean −1.209
Std Dev 2.927

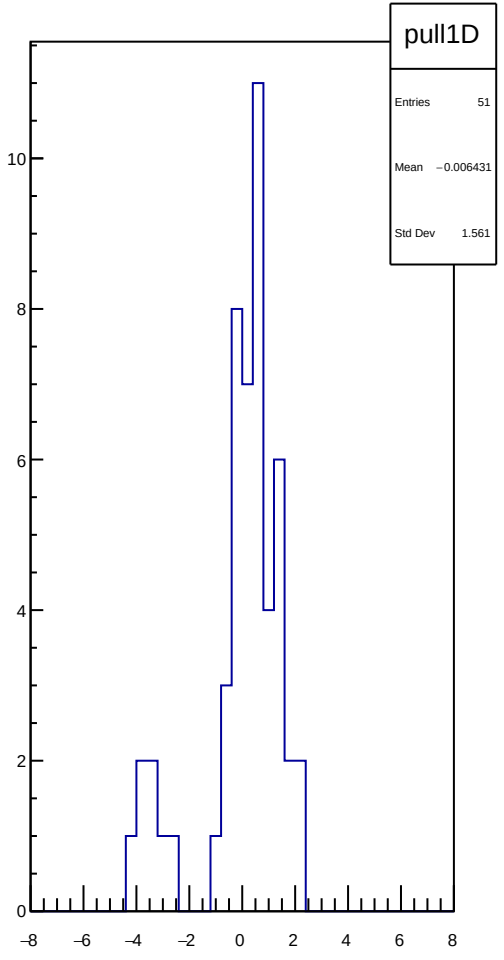

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 89.79 / 50
p0 −60.25 ± 1.757
pull
Entries 51
Mean −135.7
Std Dev 157.2

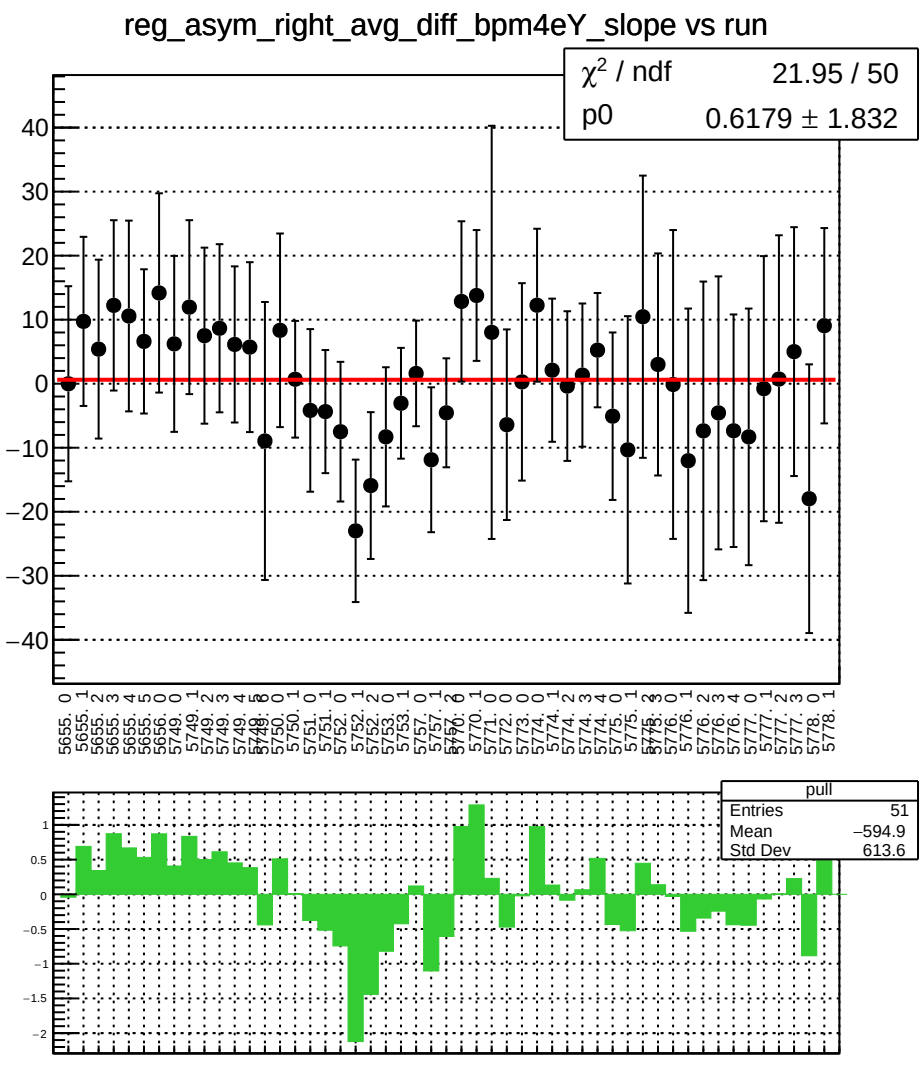

pull1D
Entries 51
Mean 0.082
Std Dev 1.324

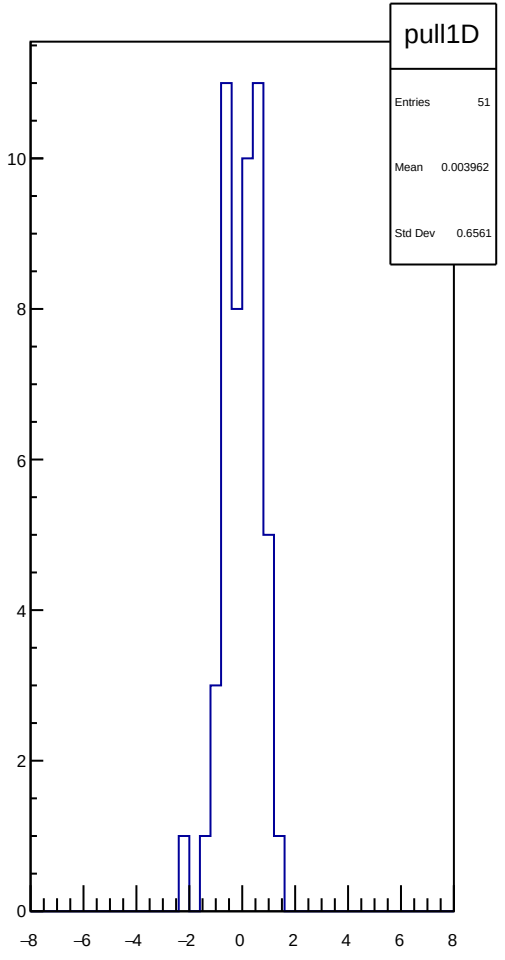

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.73 / 50
p0 5.712 ± 1.689
pull
Entries 51
Mean 152.9
Std Dev 133.4

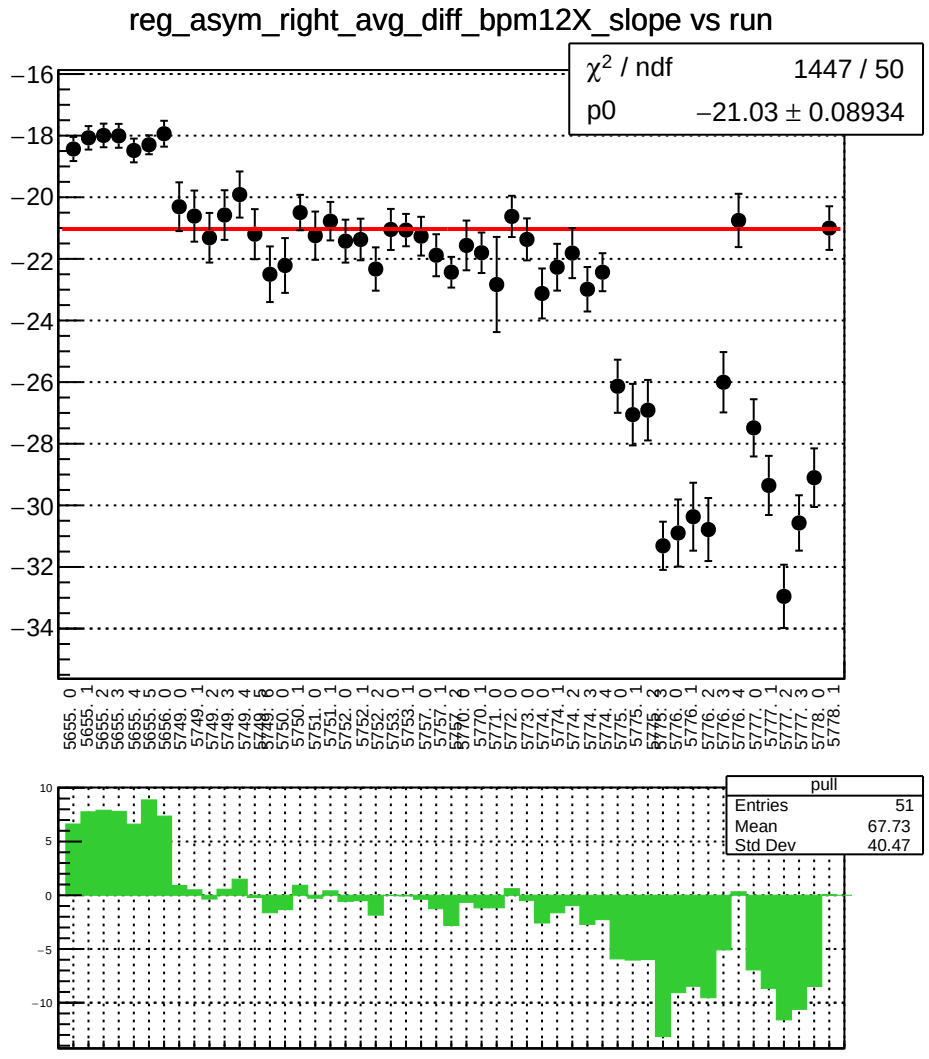

pull1D
Entries 51
Mean 0.01872
Std Dev 0.6525

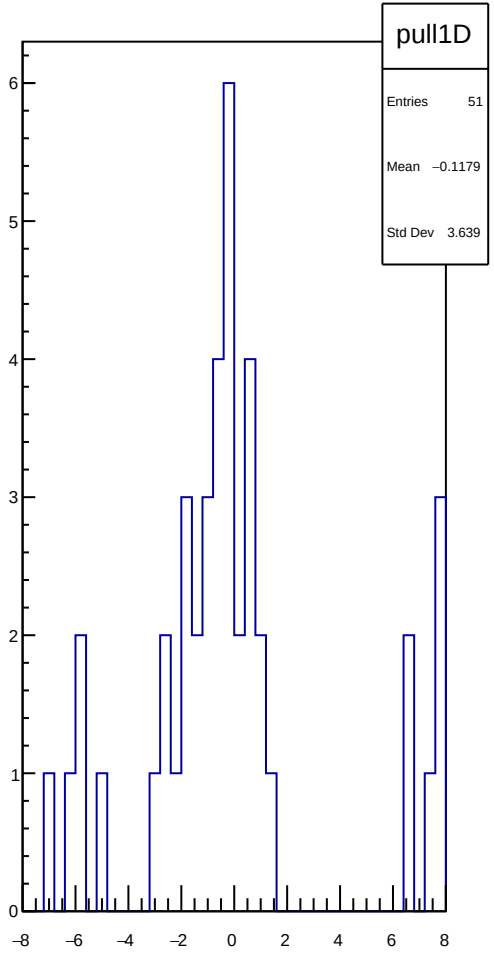

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.2 / 50
p0 112.1 ± 2.234
pull
Entries 51
Mean −2439
Std Dev 2460

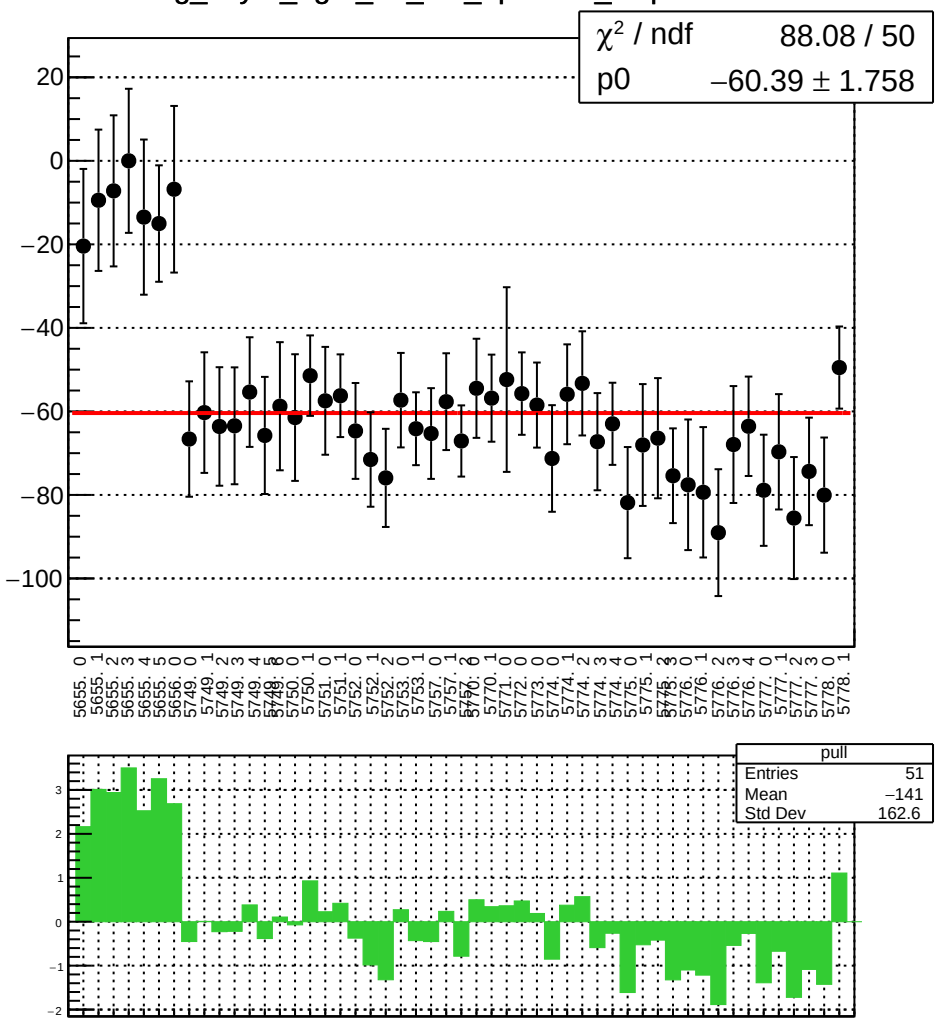

pull1D
Entries 51
Mean −0.006431
Std Dev 1.561

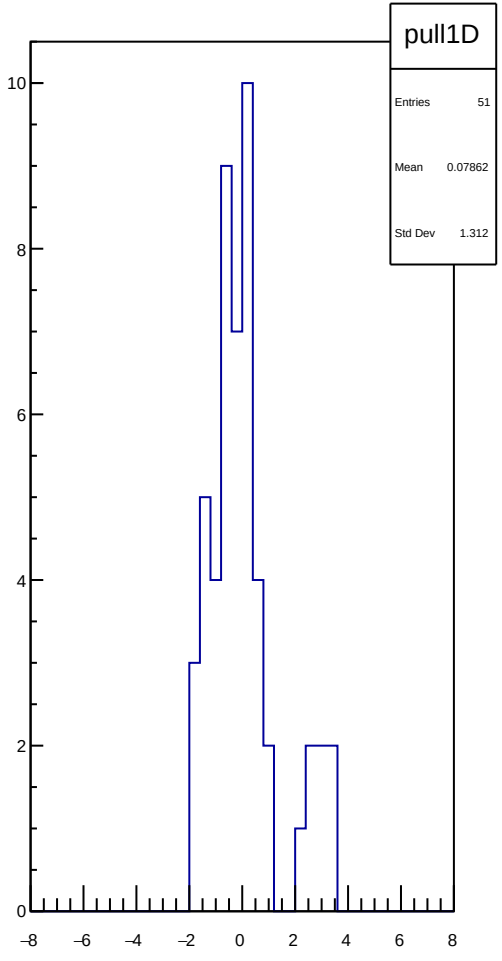

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.95 / 50
p0 0.6179 ± 1.832
pull
Entries 51
Mean −594.9
Std Dev 613.6

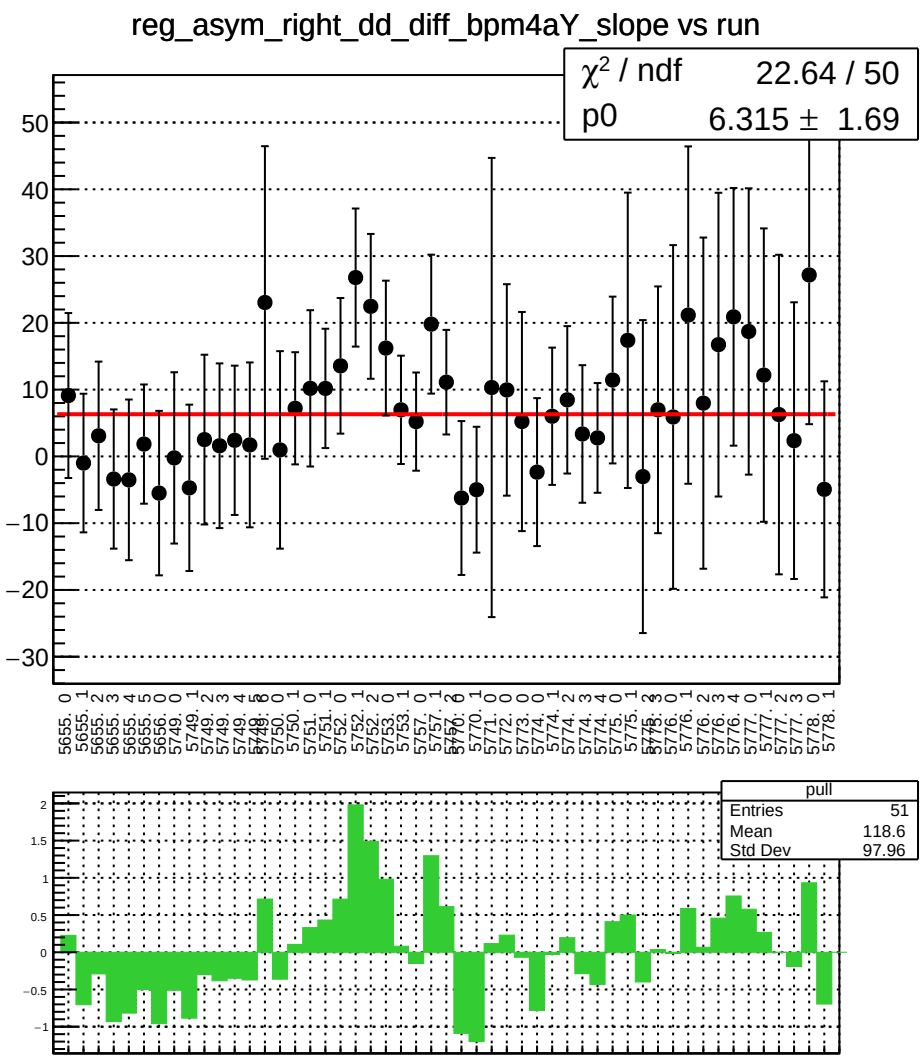

pull1D
Entries 51
Mean 0.003962
Std Dev 0.6561

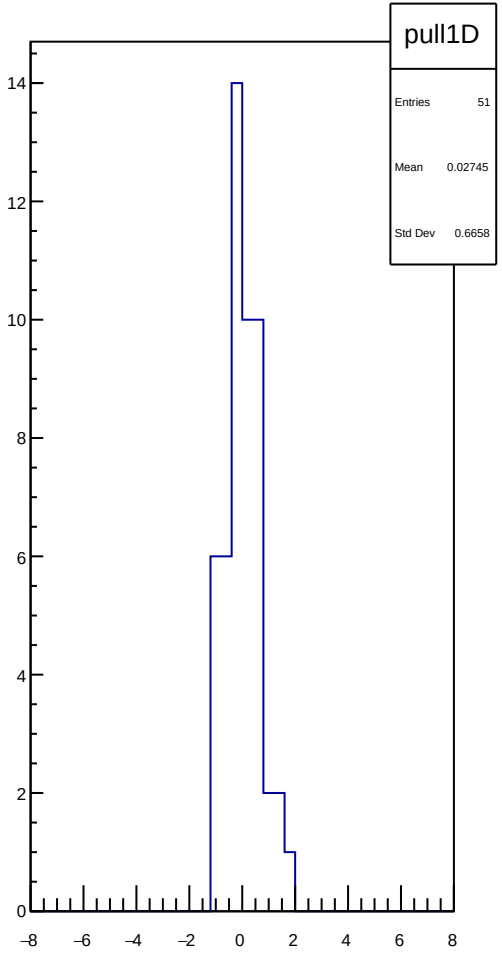

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 1447 / 50
p0 −21.03 ± 0.08934
pull
Entries 51
Mean 67.73
Std Dev 40.47

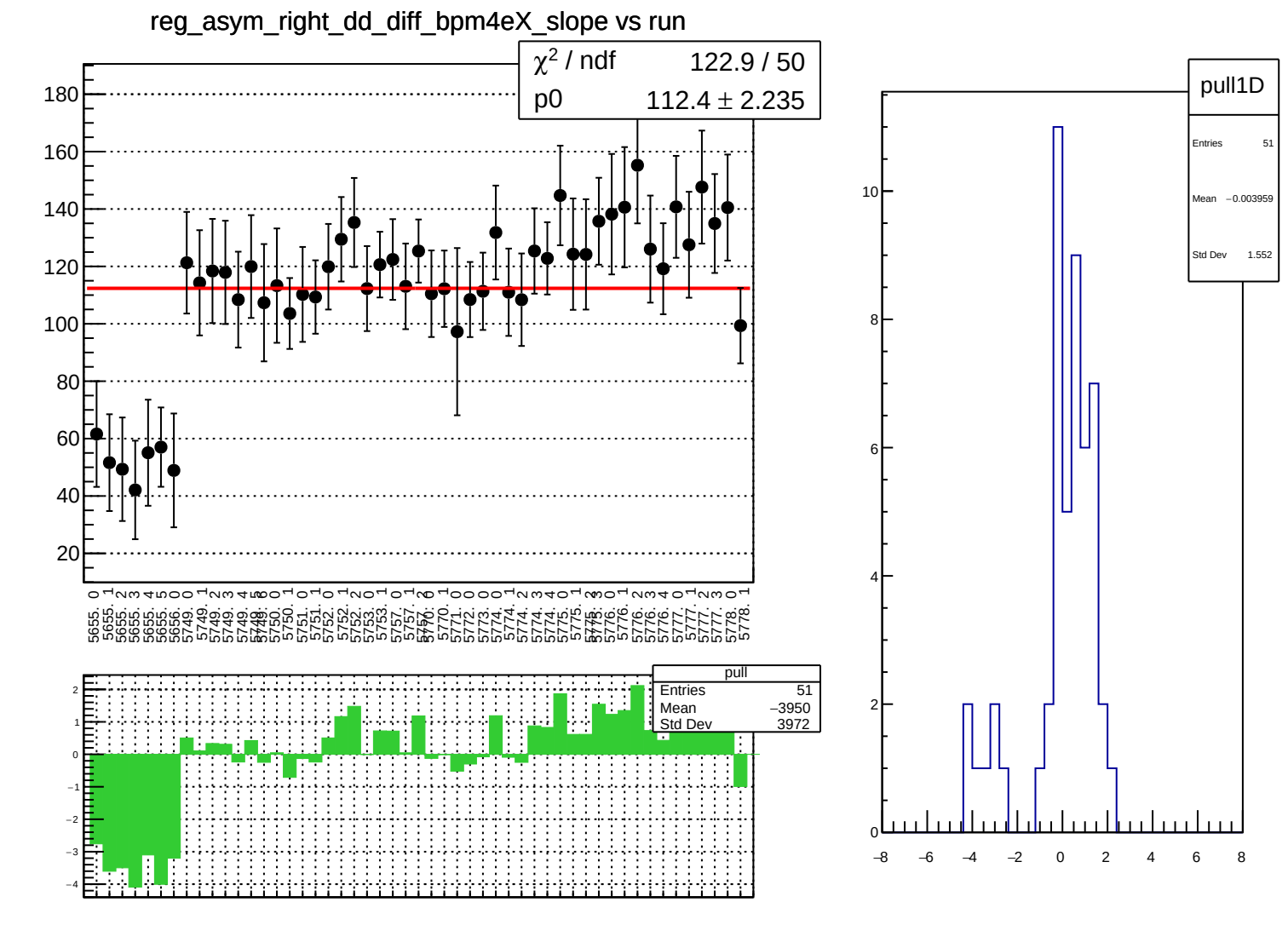

pull1D
Entries 51
Mean −0.1179
Std Dev 3.639

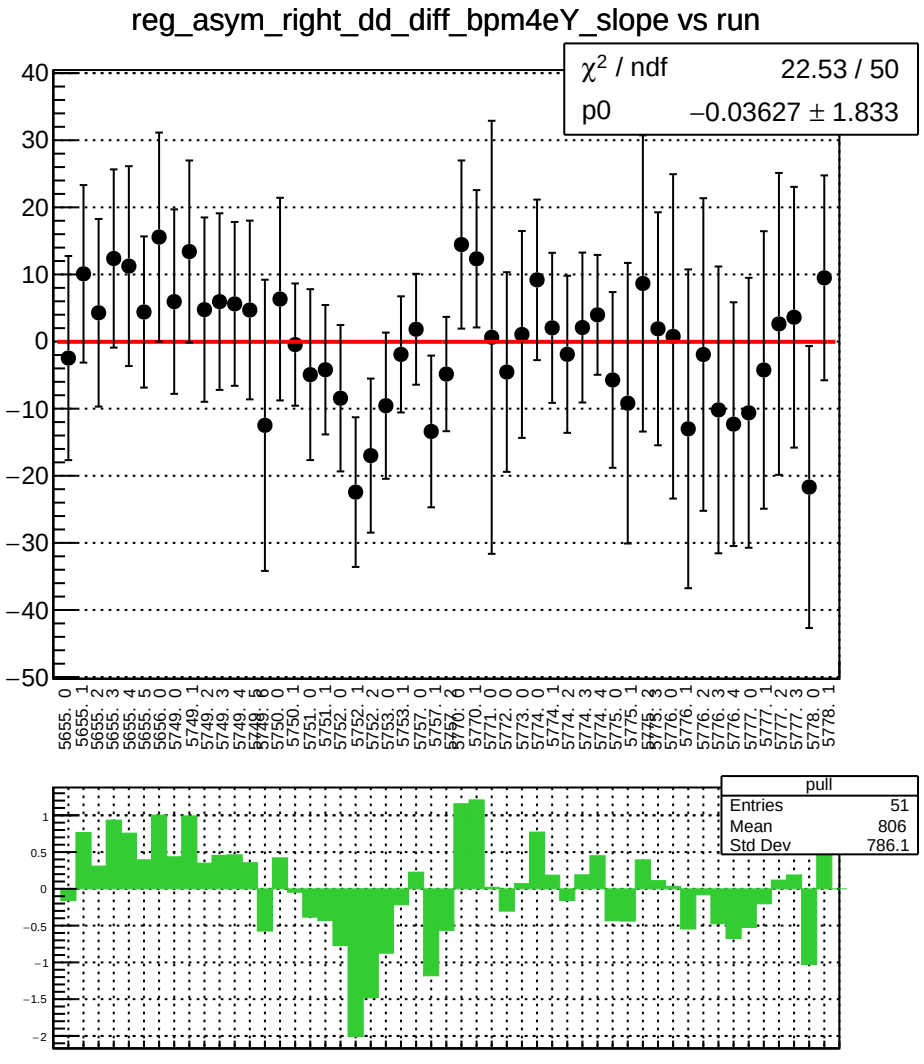

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 88.08 / 50
p0 −60.39 ± 1.758
pull
Entries 51
Mean −141
Std Dev 162.6

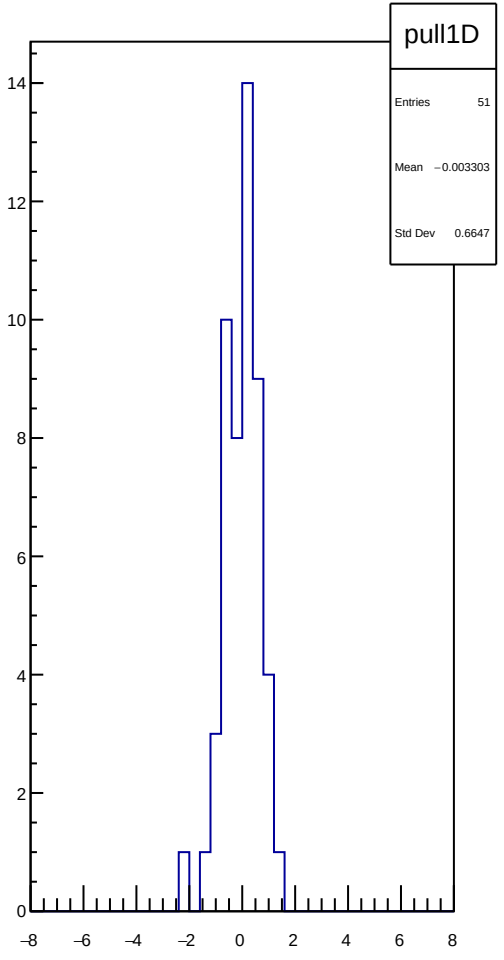

pull1D
Entries 51
Mean 0.07862
Std Dev 1.312

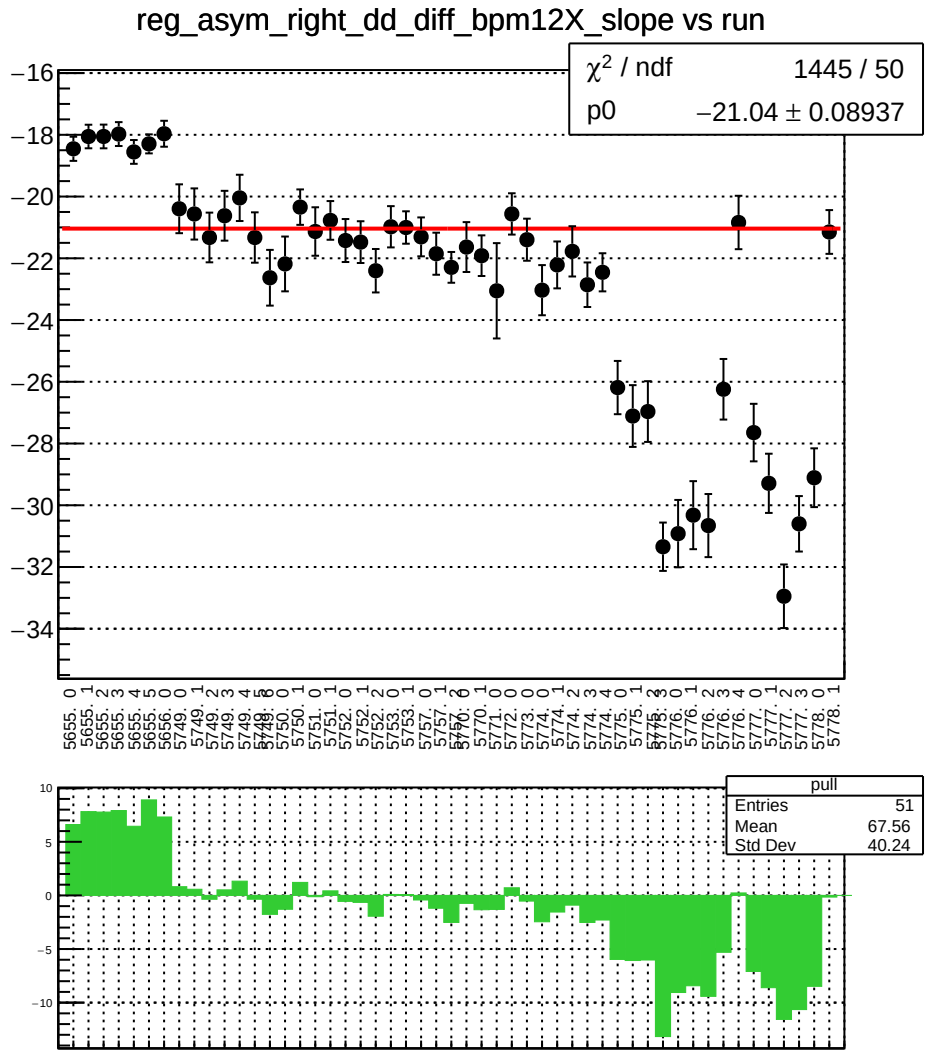

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.64 / 50
p0 6.315 ± 1.69
pull
Entries 51
Mean 118.6
Std Dev 97.96

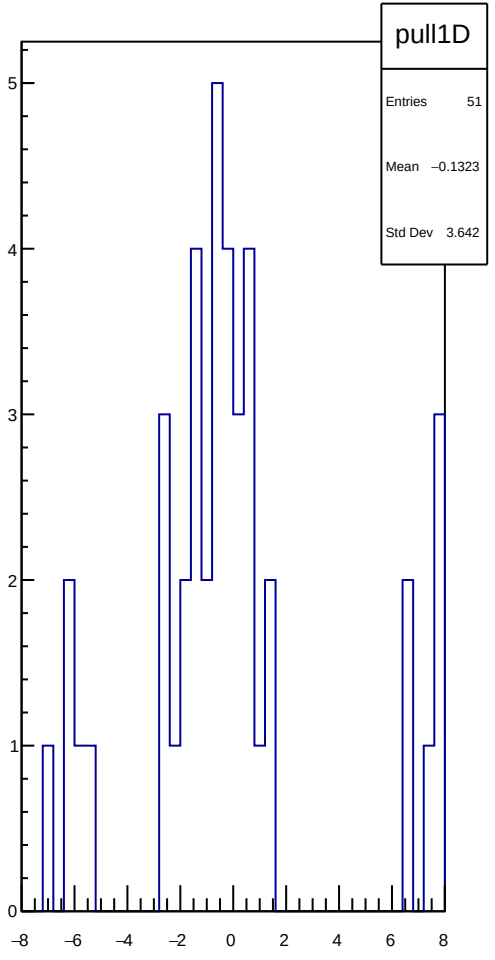

pull1D
Entries 51
Mean 0.02745
Std Dev 0.6658

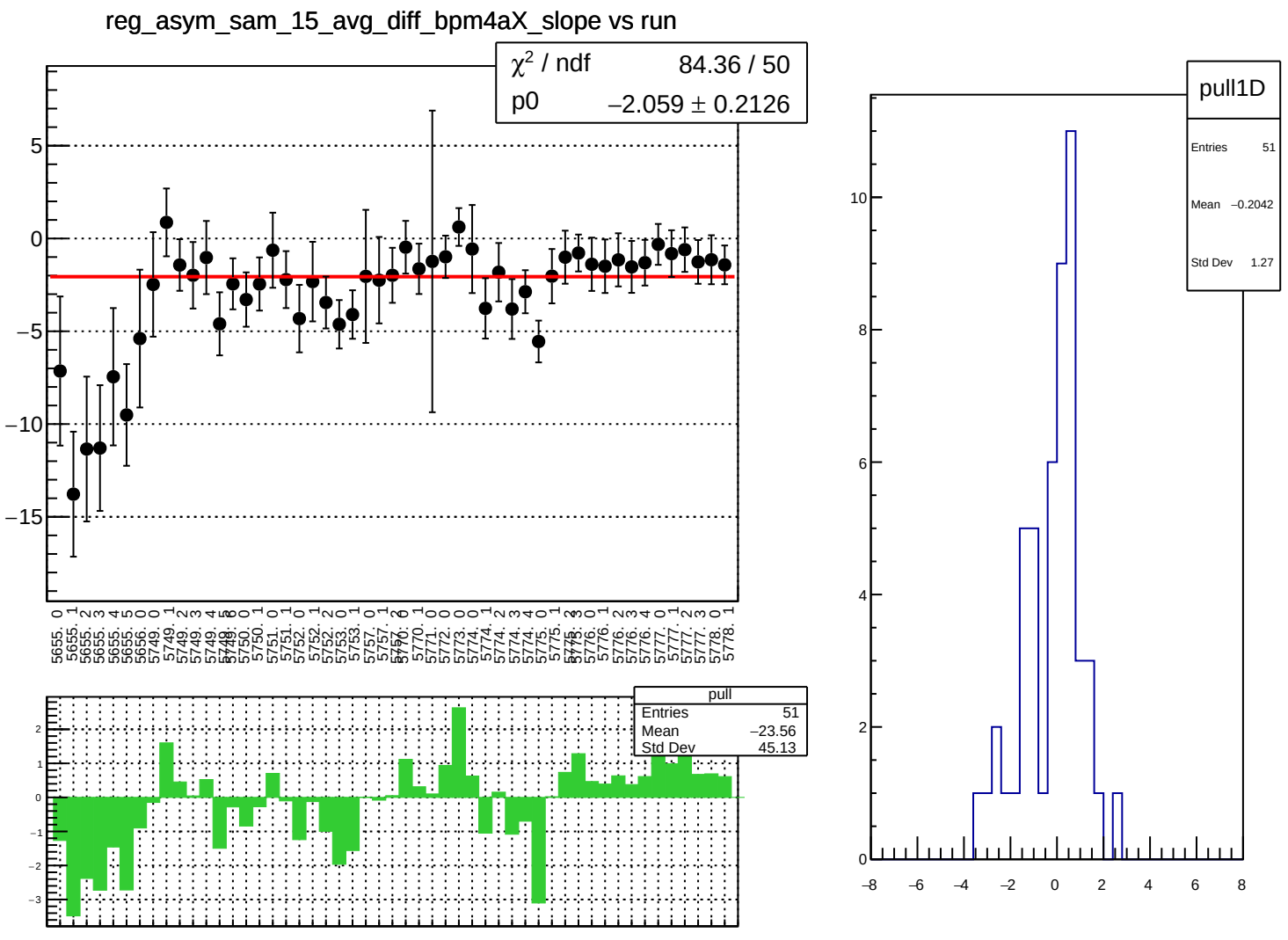

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 122.9 / 50
p0 112.4 ± 2.235
pull
Entries 51
Mean −3950
Std Dev 3972
pull1D
Entries 51
Mean −0.003959
Std Dev 1.552

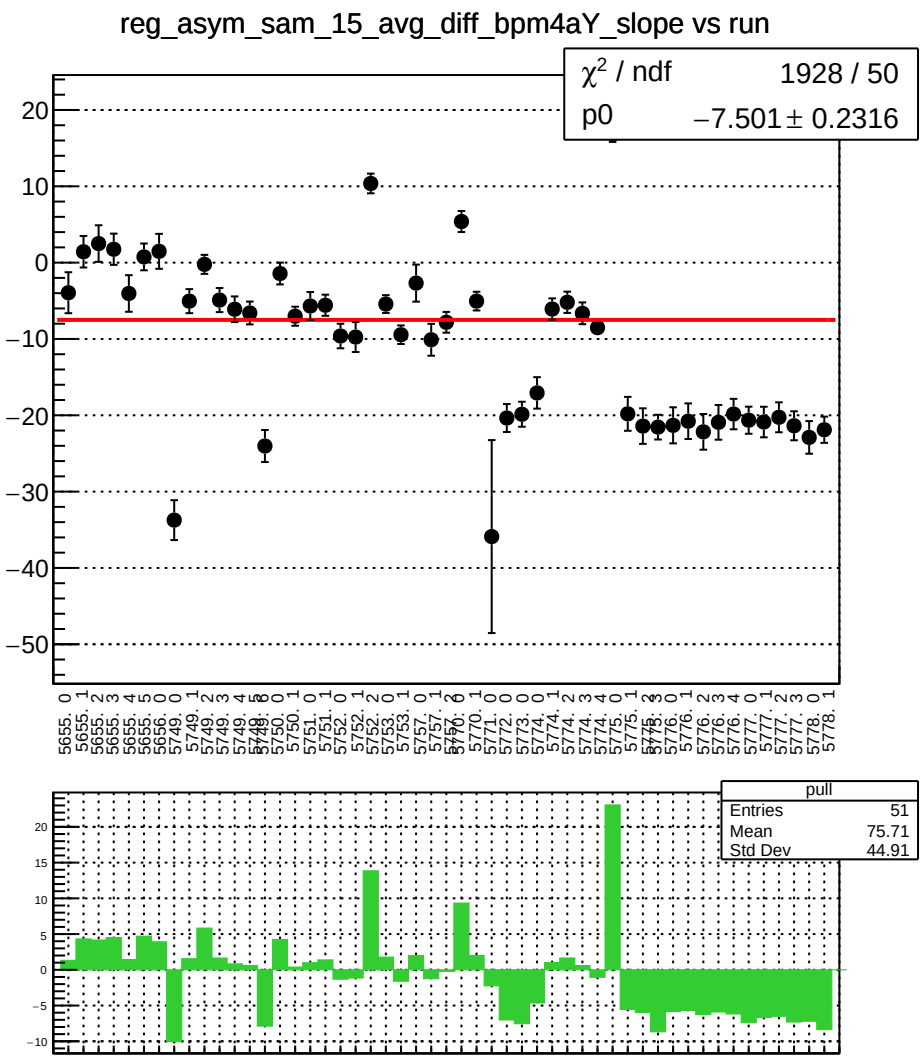

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.53 / 50
p0 −0.03627 ± 1.833
pull
Entries 51
Mean 806
Std Dev 786.1

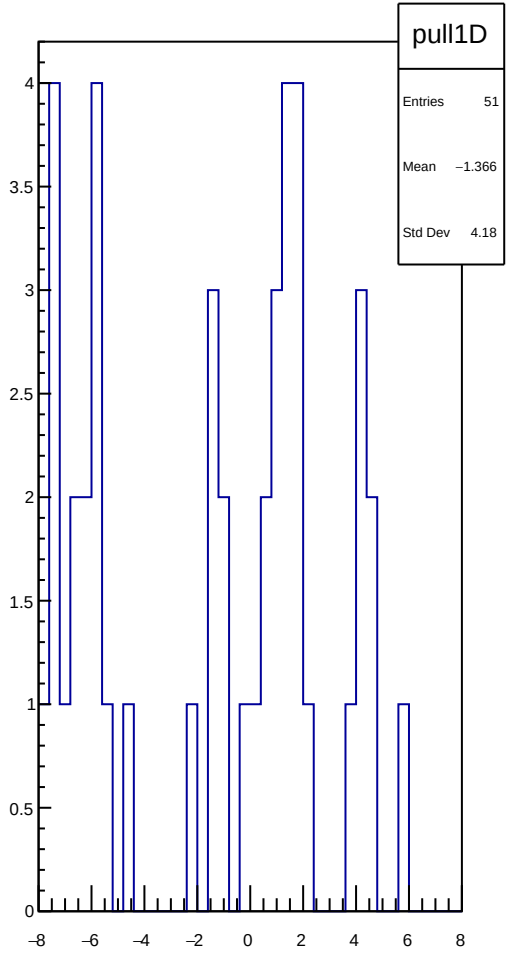

pull1D
Entries 51
Mean −0.003303
Std Dev 0.6647

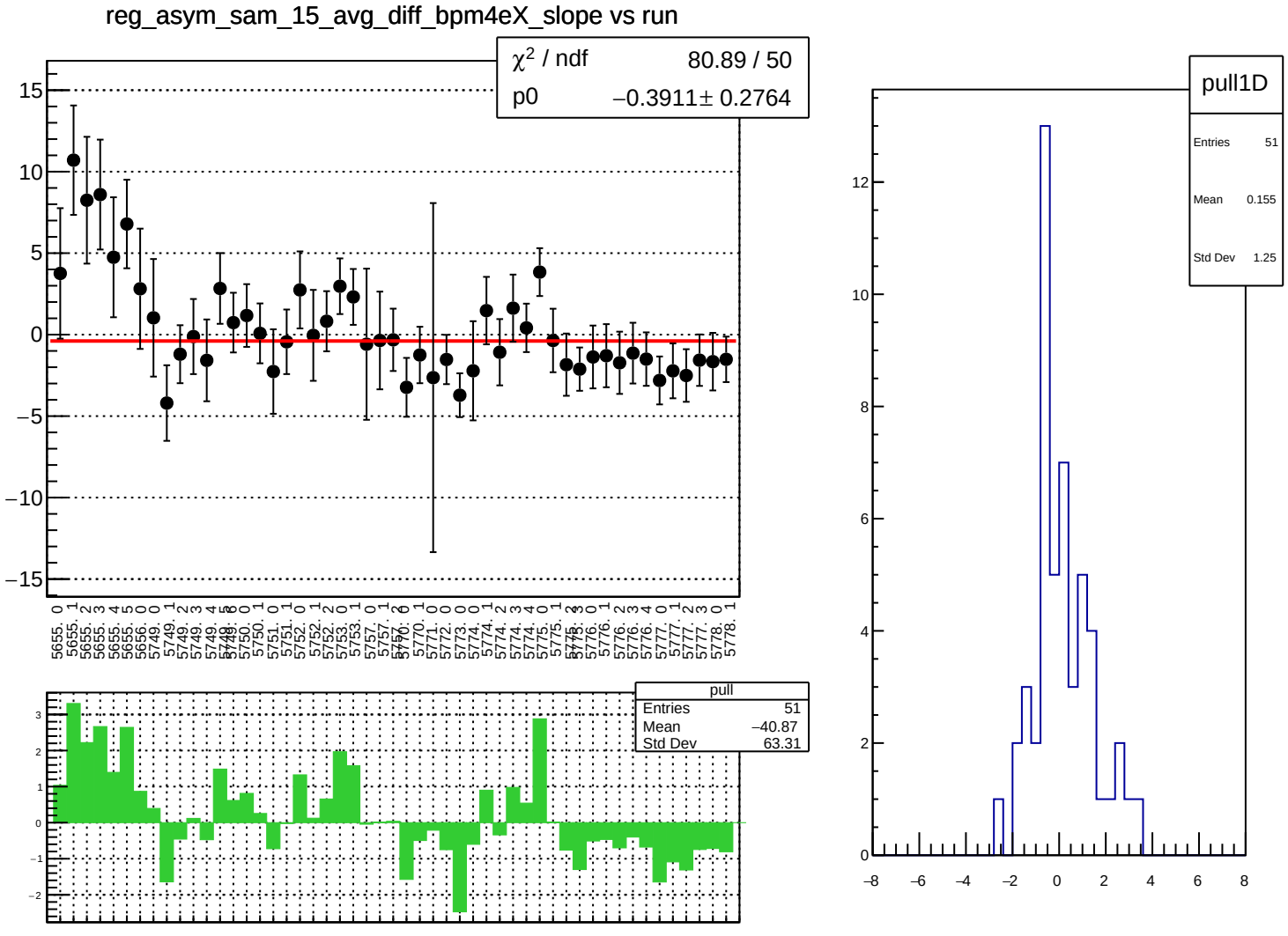

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1445 / 50
p0 −21.04 ± 0.08937
pull
Entries 51
Mean 67.56
Std Dev 40.24

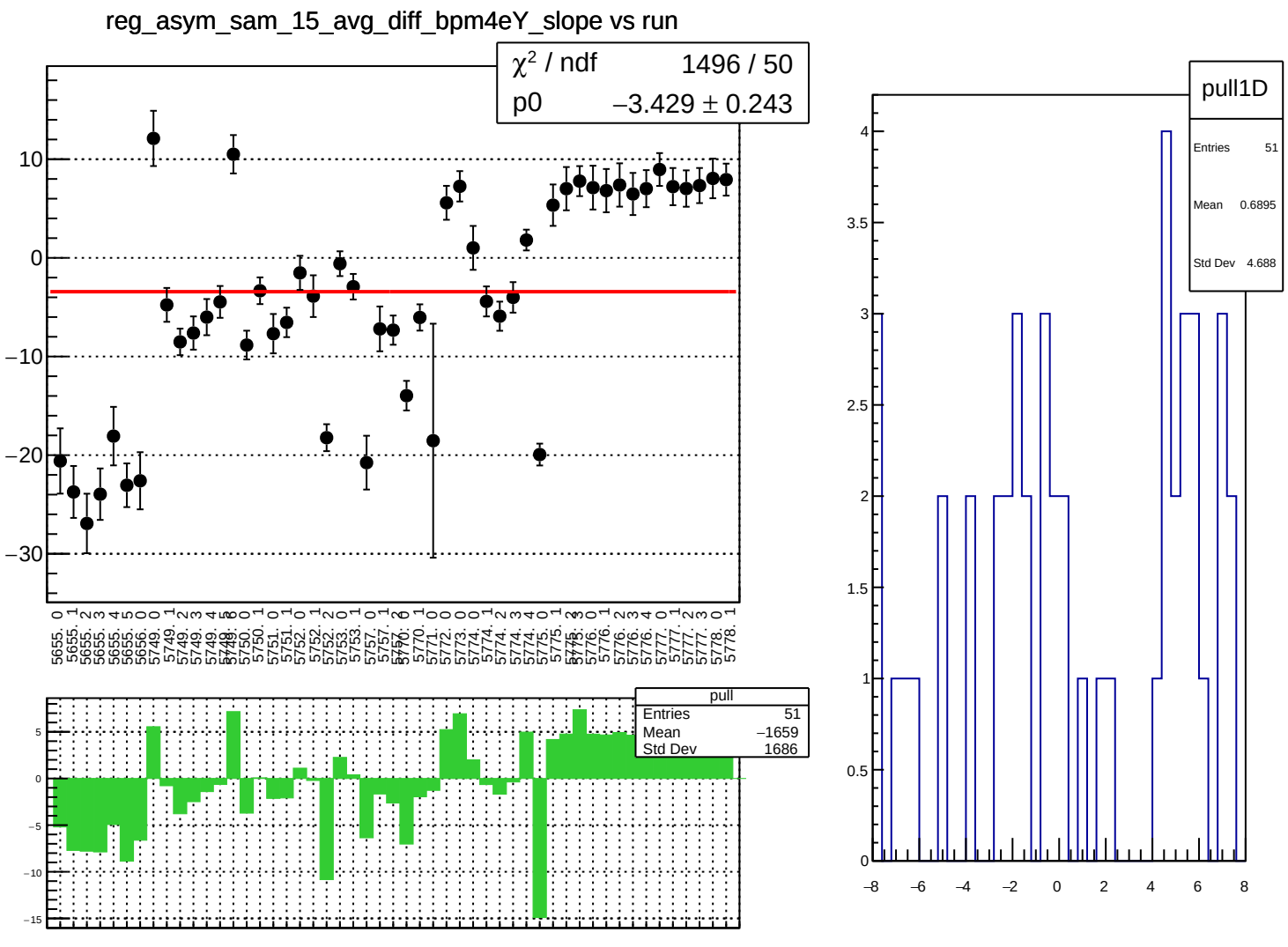

pull1D
Entries 51
Mean −0.1323
Std Dev 3.642

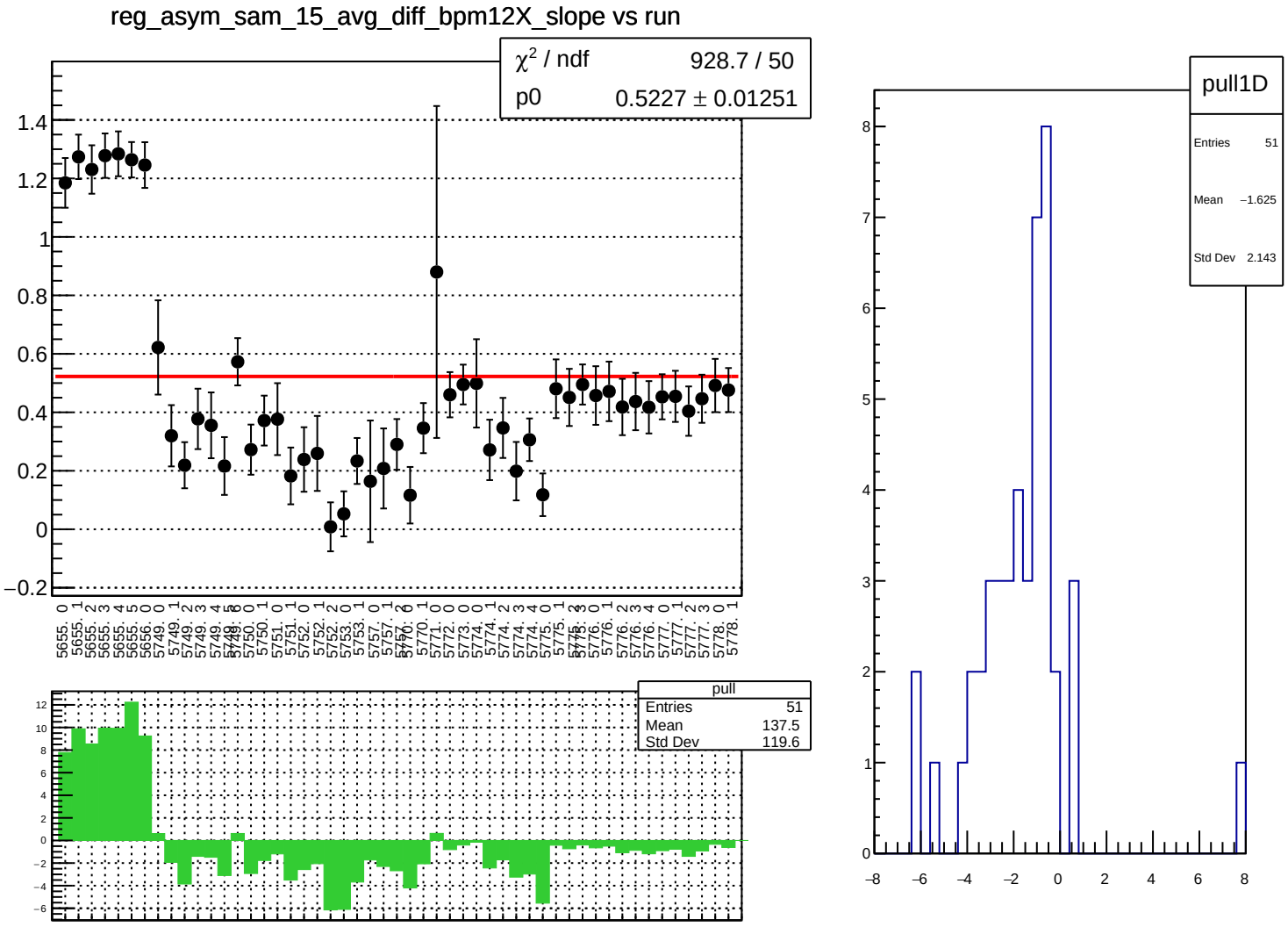

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 84.36 / 50
p0 −2.059 ± 0.2126
pull
Entries 51
Mean −23.56
Std Dev 45.13
pull1D
Entries 51
Mean −0.2042
Std Dev 1.27

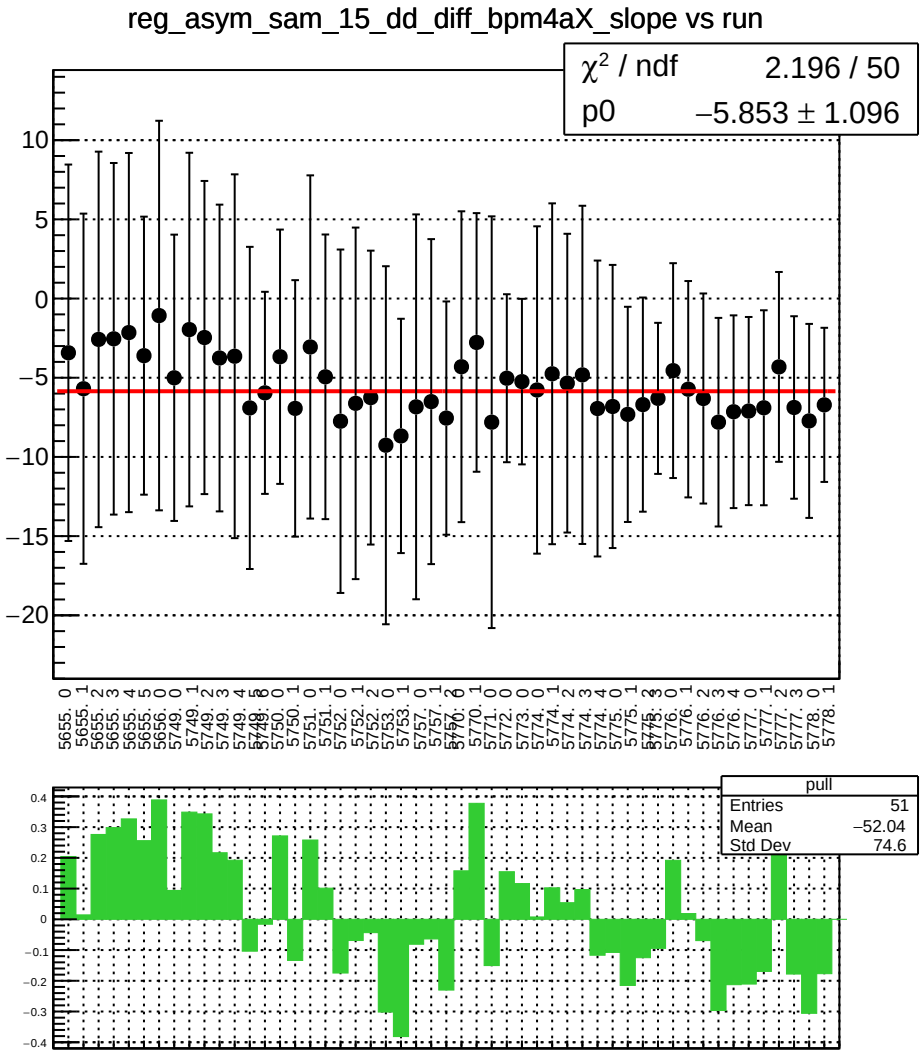

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 1928 / 50
p0 −7.501 ± 0.2316
pull
Entries 51
Mean 75.71
Std Dev 44.91

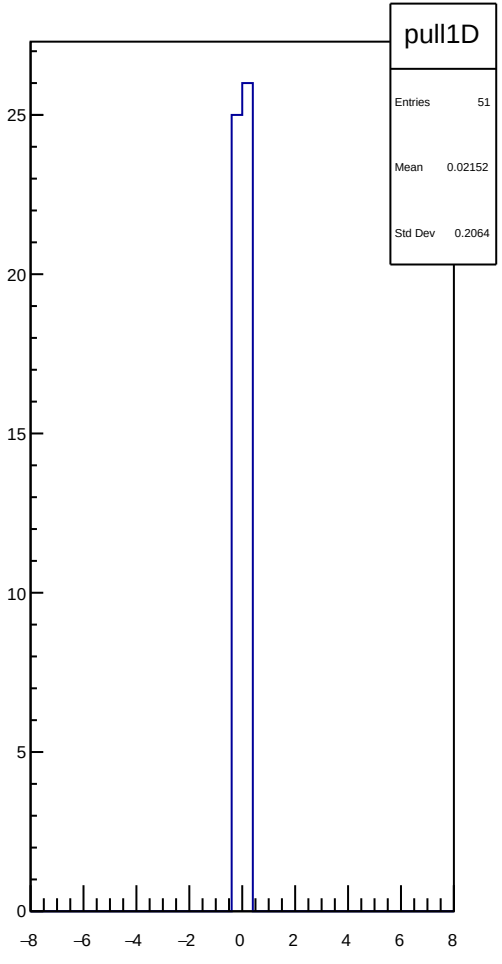

pull1D
Entries 51
Mean −1.366
Std Dev 4.18

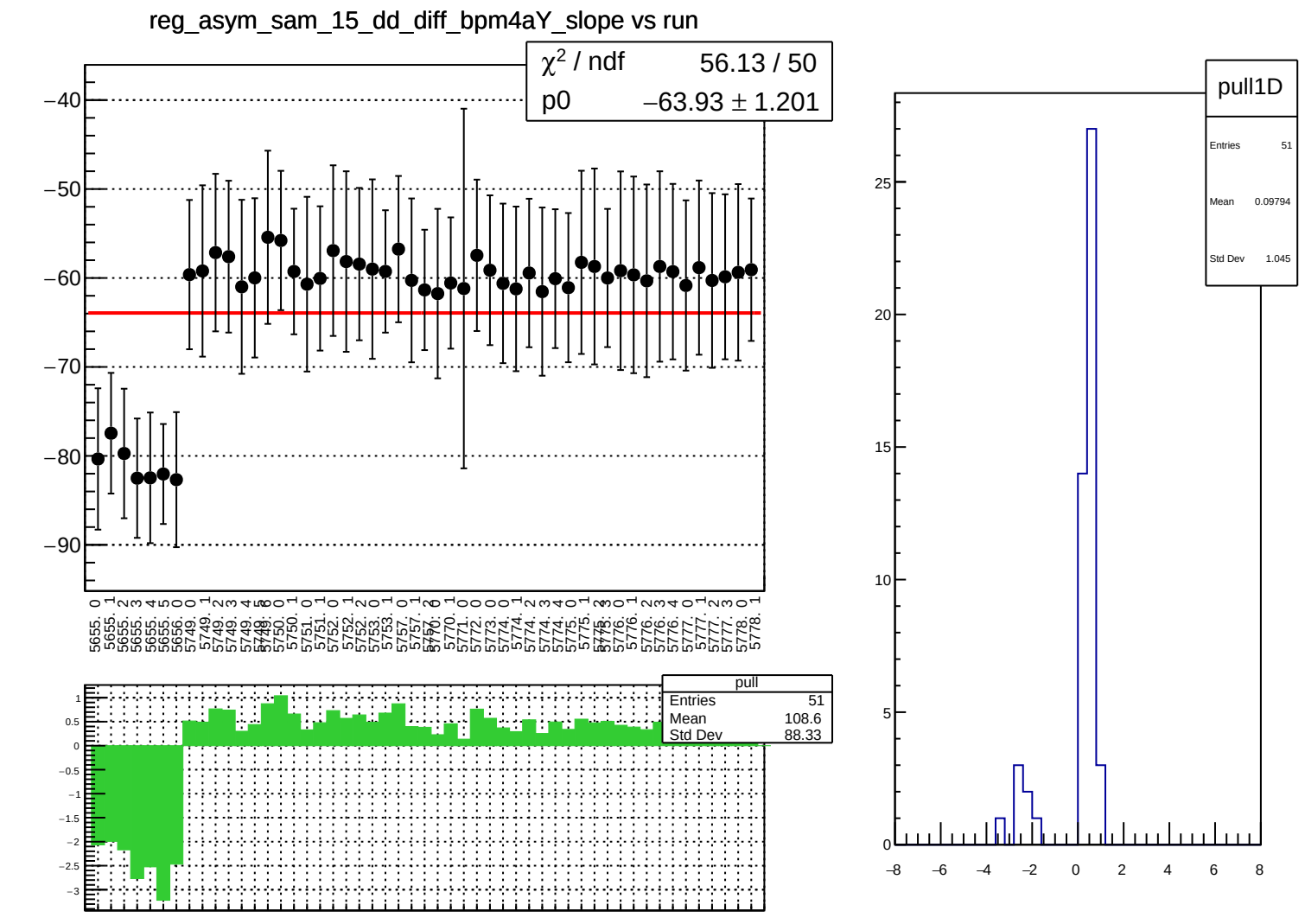

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.89 / 50
p0 −0.3911± 0.2764
pull
Entries 51
Mean −40.87
Std Dev 63.31
pull1D
Entries 51
Mean 0.155
Std Dev 1.25

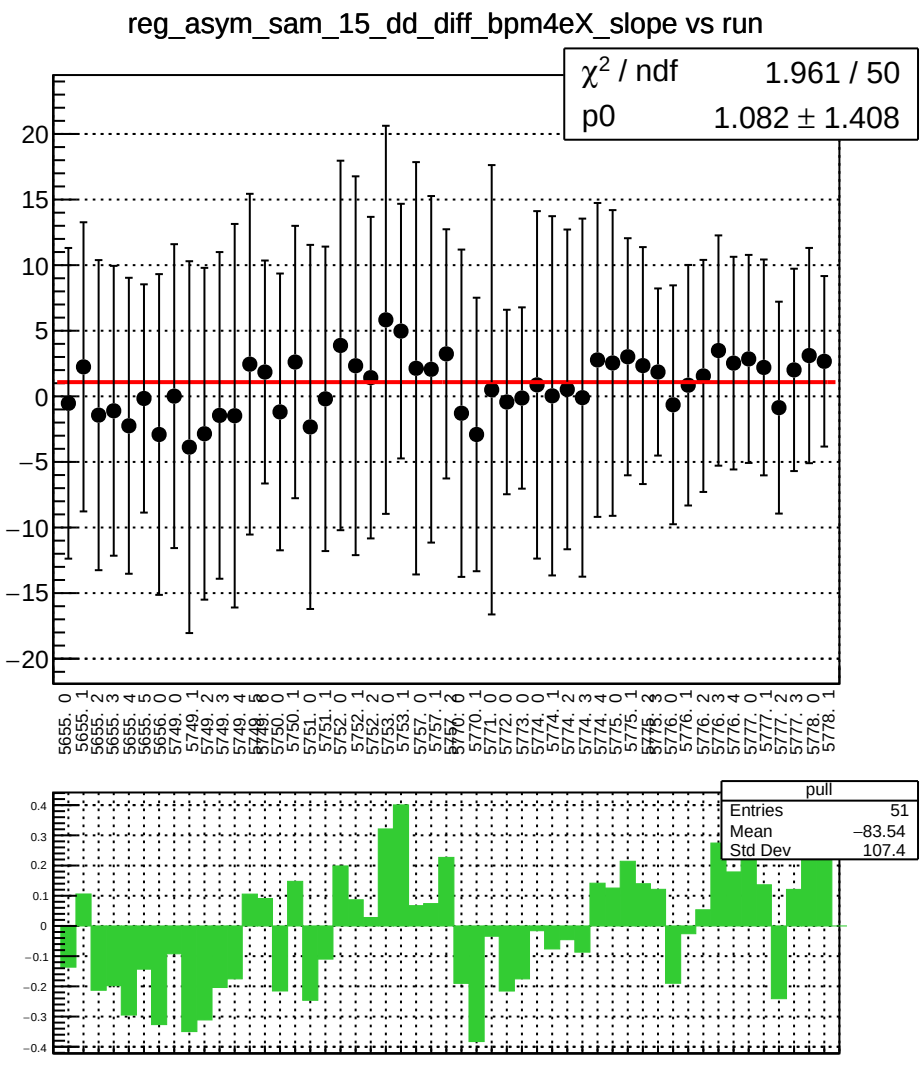

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 1496 / 50
p0 −3.429 ± 0.243
pull
Entries 51
Mean −1659
Std Dev 1686
pull1D
Entries 51
Mean 0.6895
Std Dev 4.688

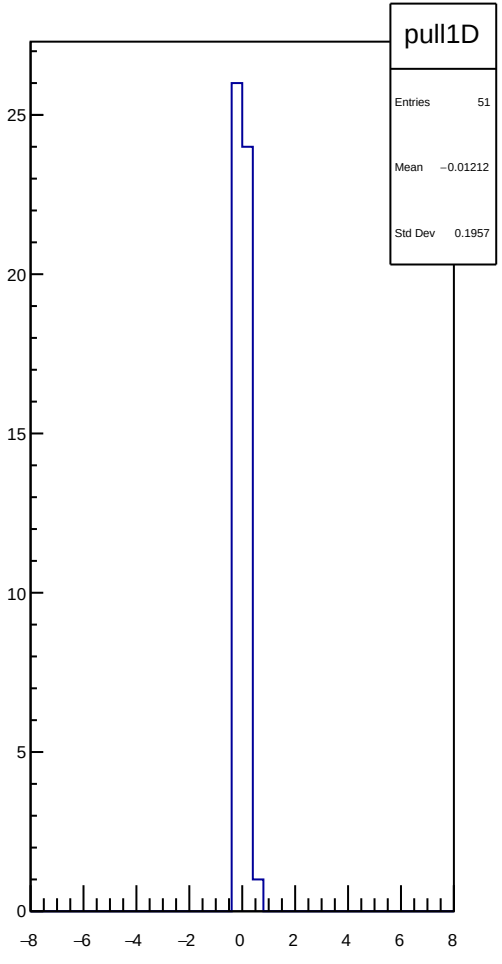

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 928.7 / 50
p0 0.5227 ± 0.01251
pull
Entries 51
Mean 137.5
Std Dev 119.6
pull1D
Entries 51
Mean −1.625
Std Dev 2.143

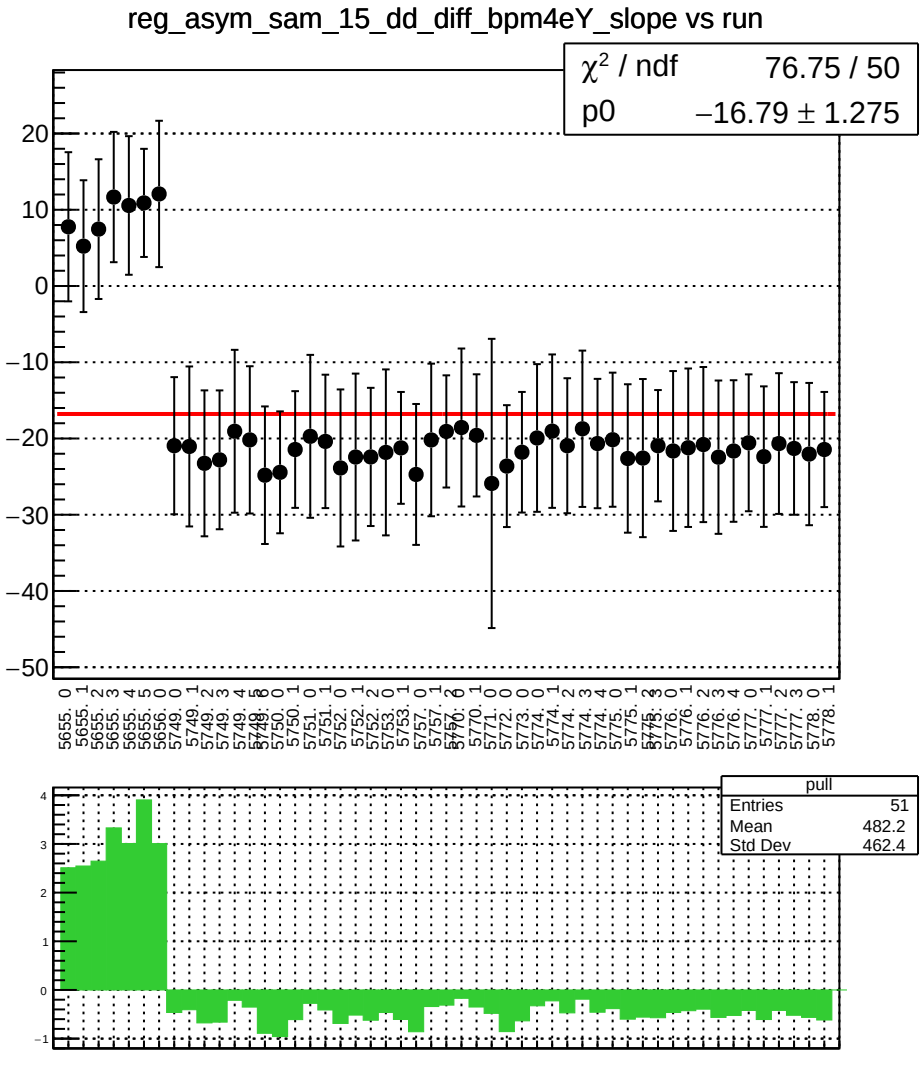

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.196 / 50
p0 −5.853 ± 1.096
pull
Entries 51
Mean −52.04
Std Dev 74.6

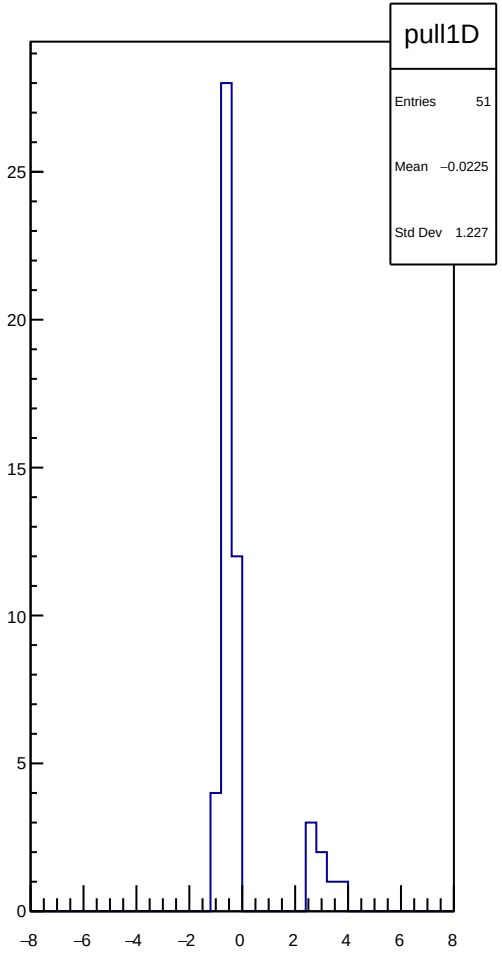

pull1D
Entries 51
Mean 0.02152
Std Dev 0.2064

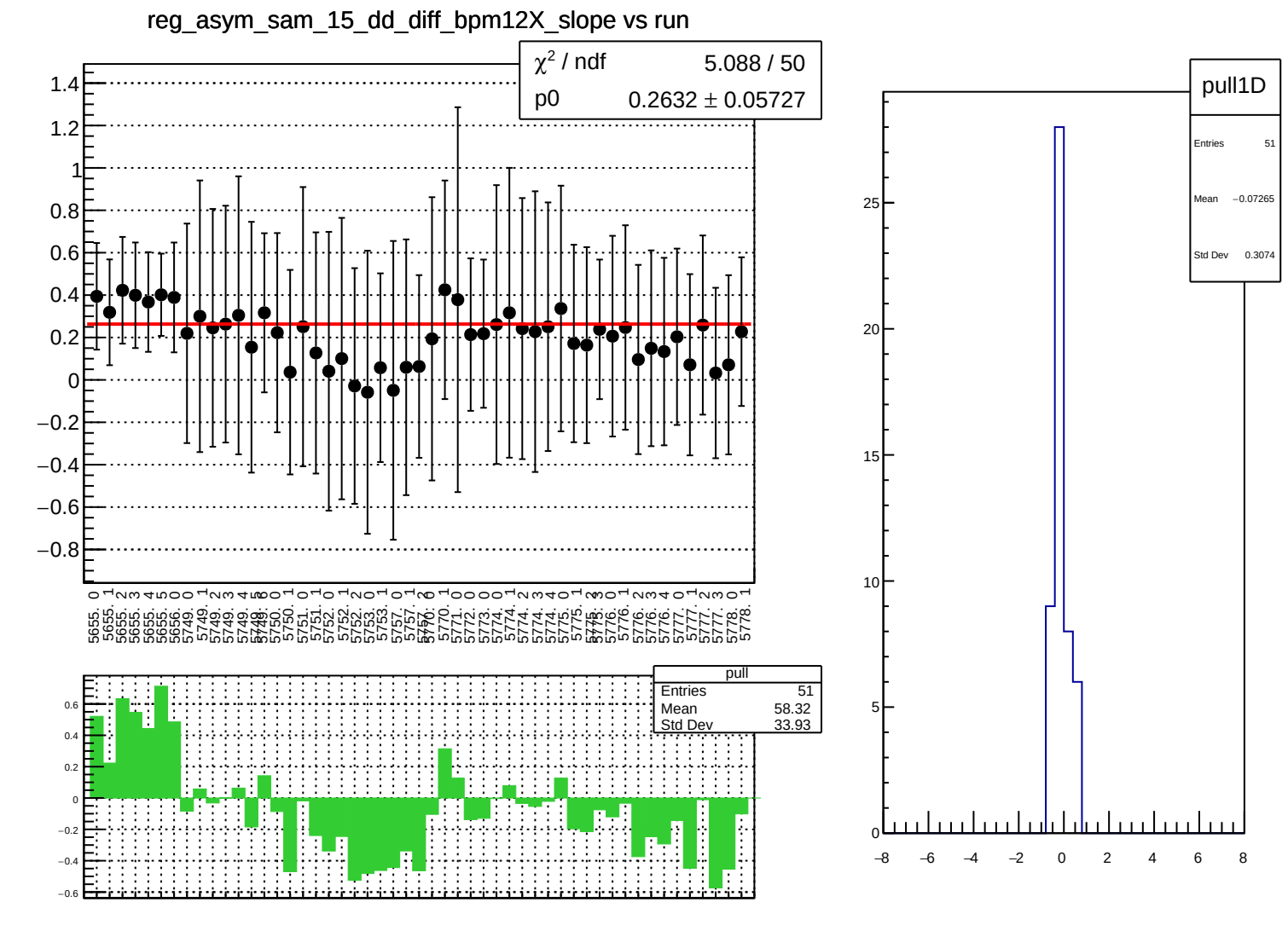

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.13 / 50
p0 −63.93 ± 1.201
pull
Entries 51
Mean 108.6
Std Dev 88.33
pull1D
Entries 51
Mean 0.09794
Std Dev 1.045

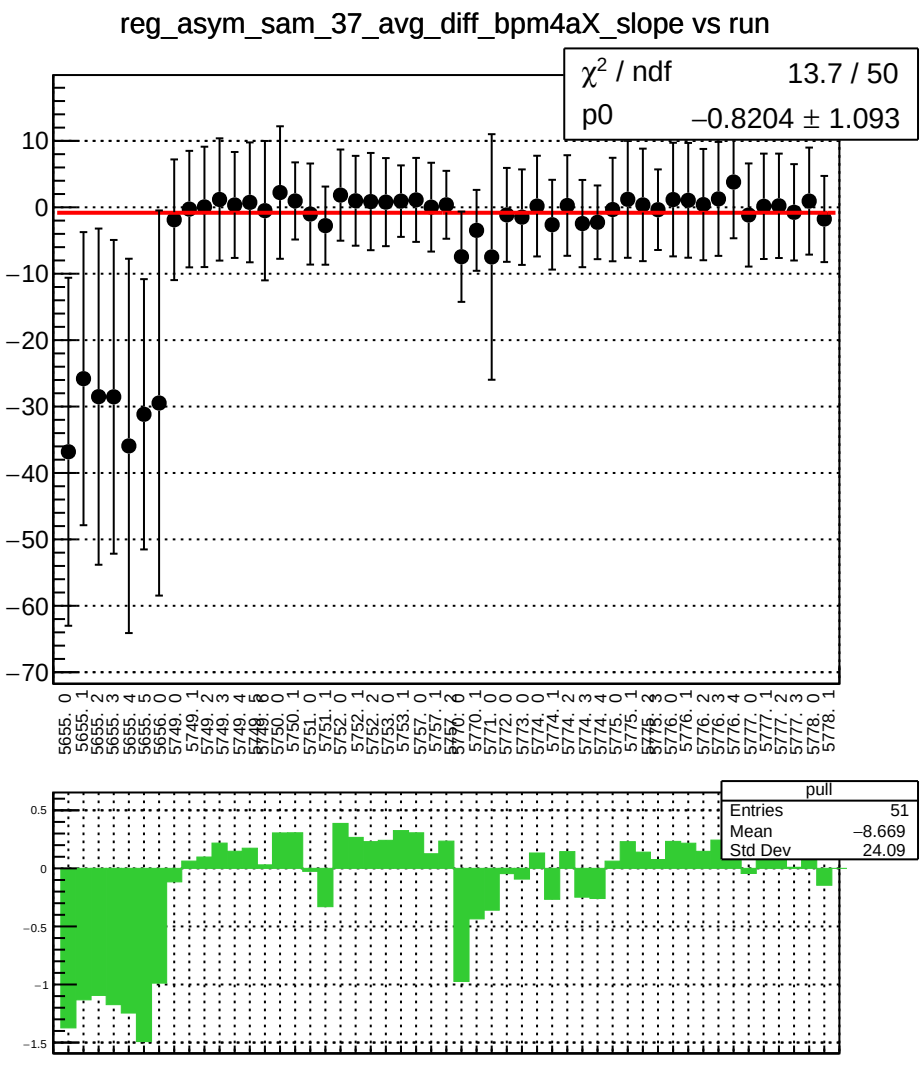

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.961 / 50
p0 1.082 ± 1.408
pull
Entries 51
Mean −83.54
Std Dev 107.4

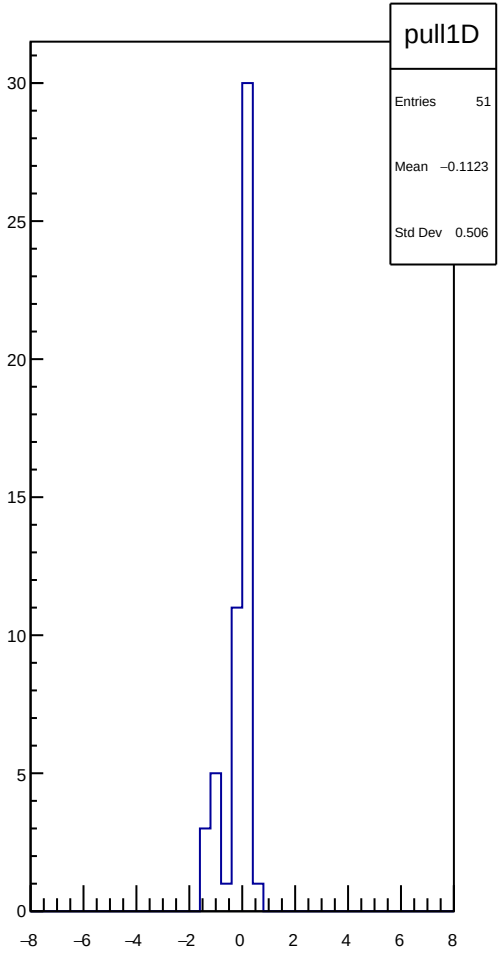

pull1D
Entries 51
Mean −0.01212
Std Dev 0.1957

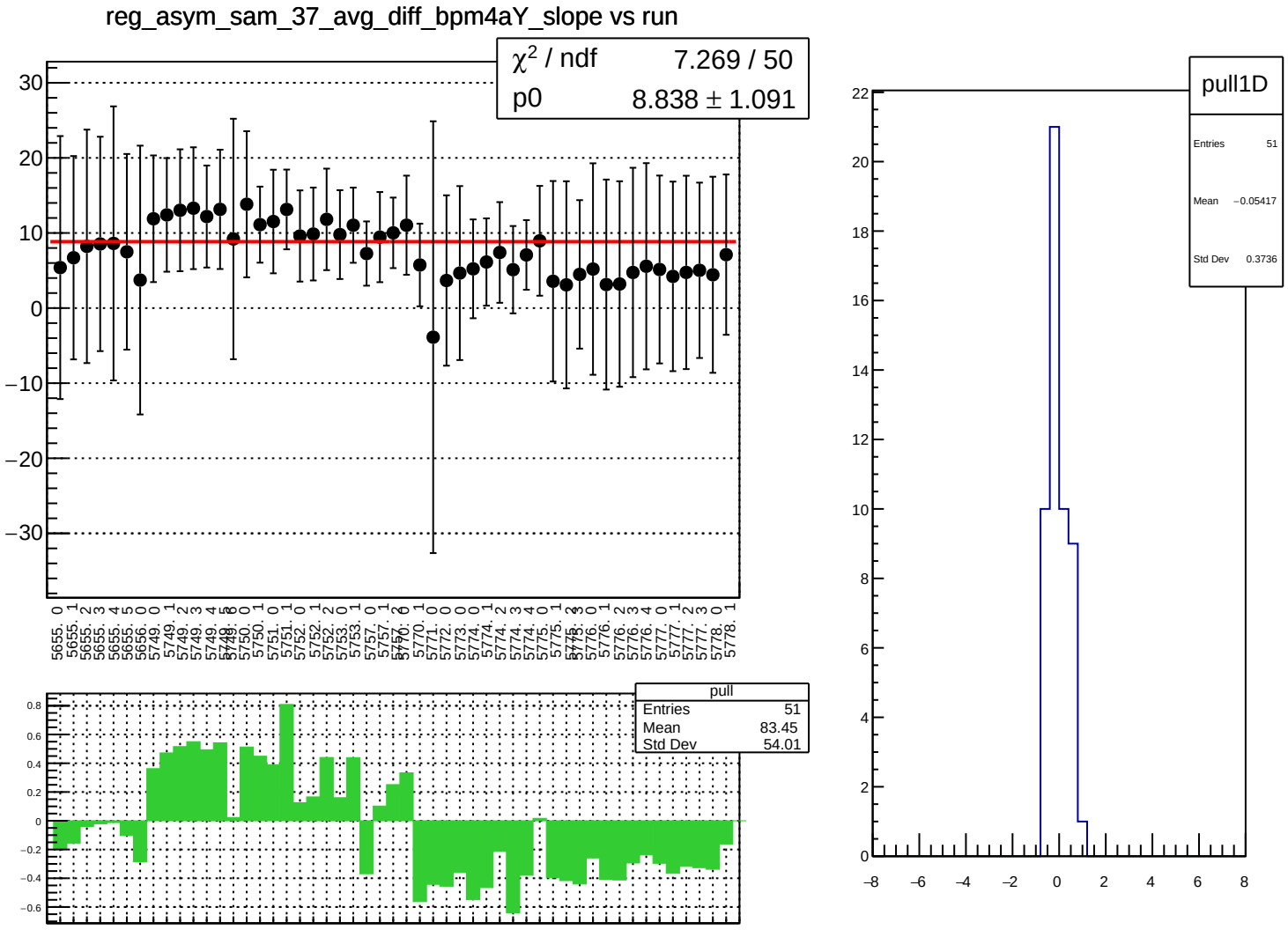

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.75 / 50
p0 −16.79 ± 1.275
pull
Entries 51
Mean 482.2
Std Dev 462.4

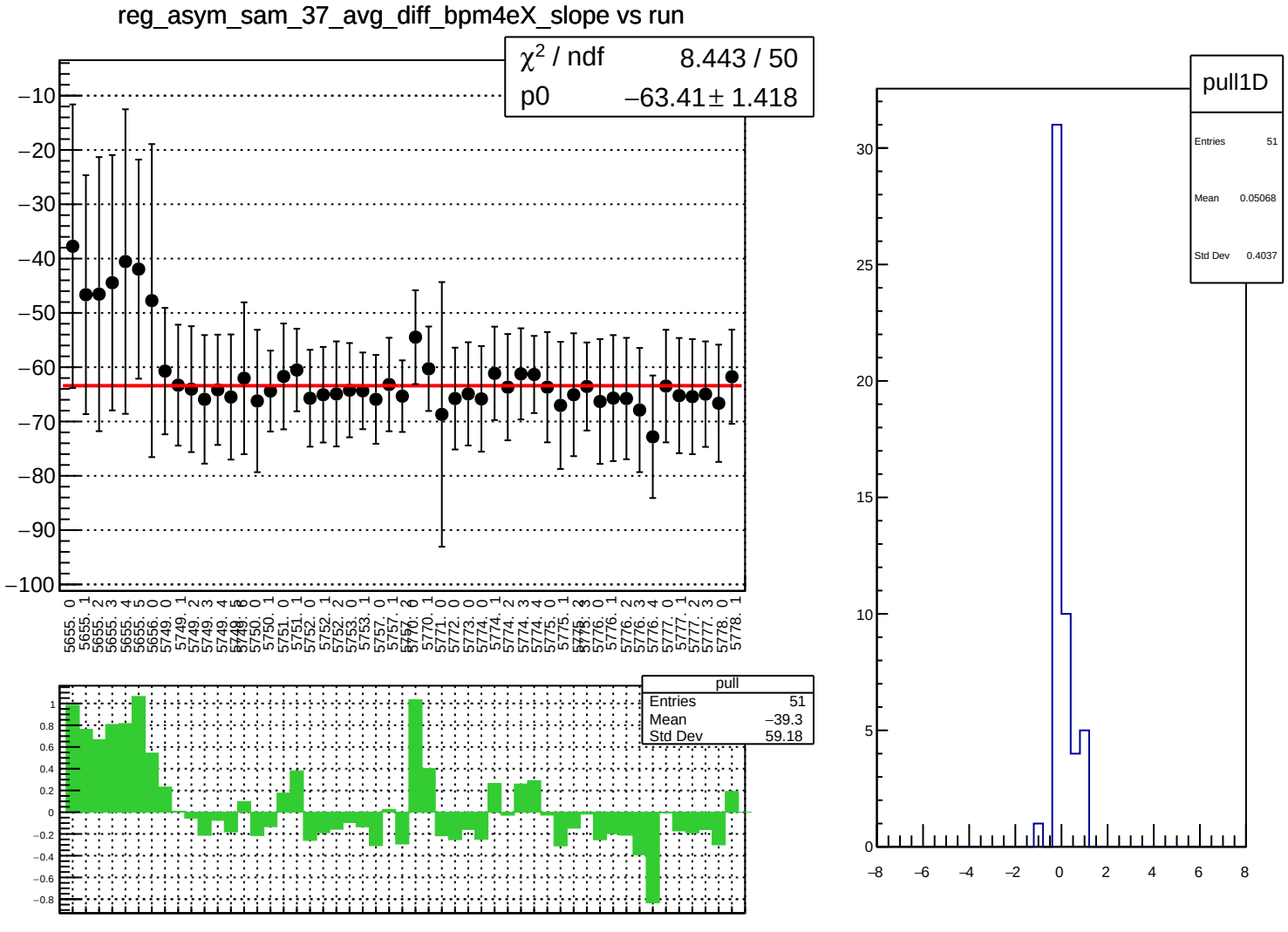

pull1D
Entries 51
Mean −0.0225
Std Dev 1.227

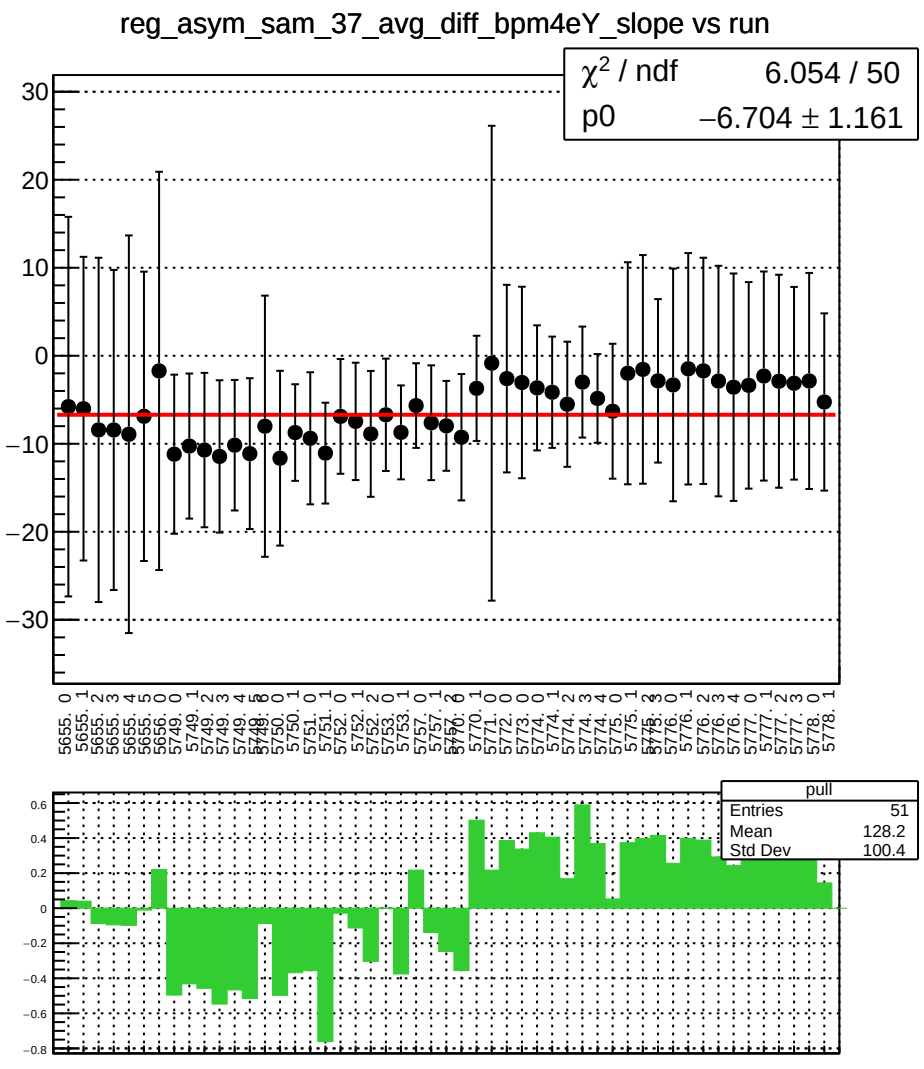

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.088 / 50
p0 0.2632 ± 0.05727
pull
Entries 51
Mean 58.32
Std Dev 33.93
pull1D
Entries 51
Mean −0.07265
Std Dev 0.3074

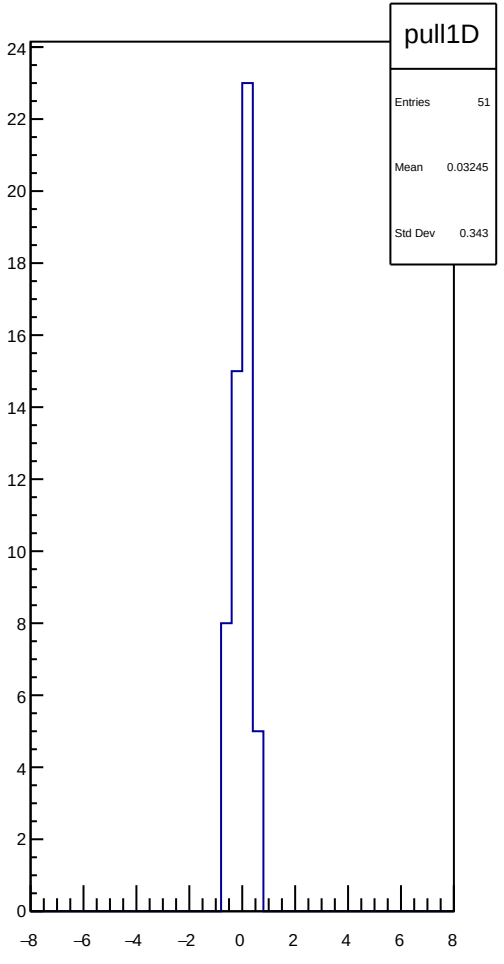

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.7 / 50
p0 −0.8204 ± 1.093
pull
Entries 51
Mean −8.669
Std Dev 24.09

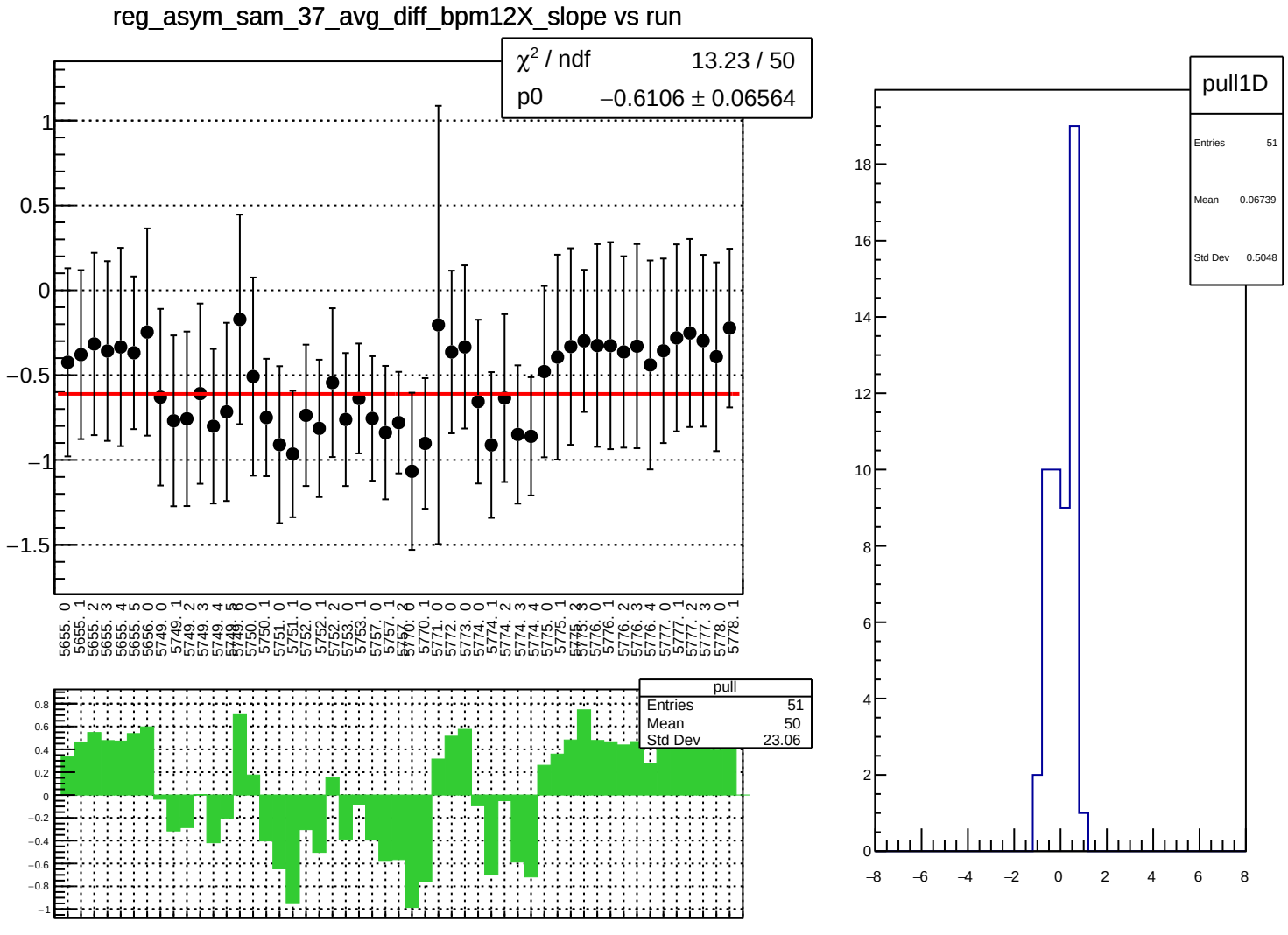

pull1D
Entries 51
Mean −0.1123
Std Dev 0.506

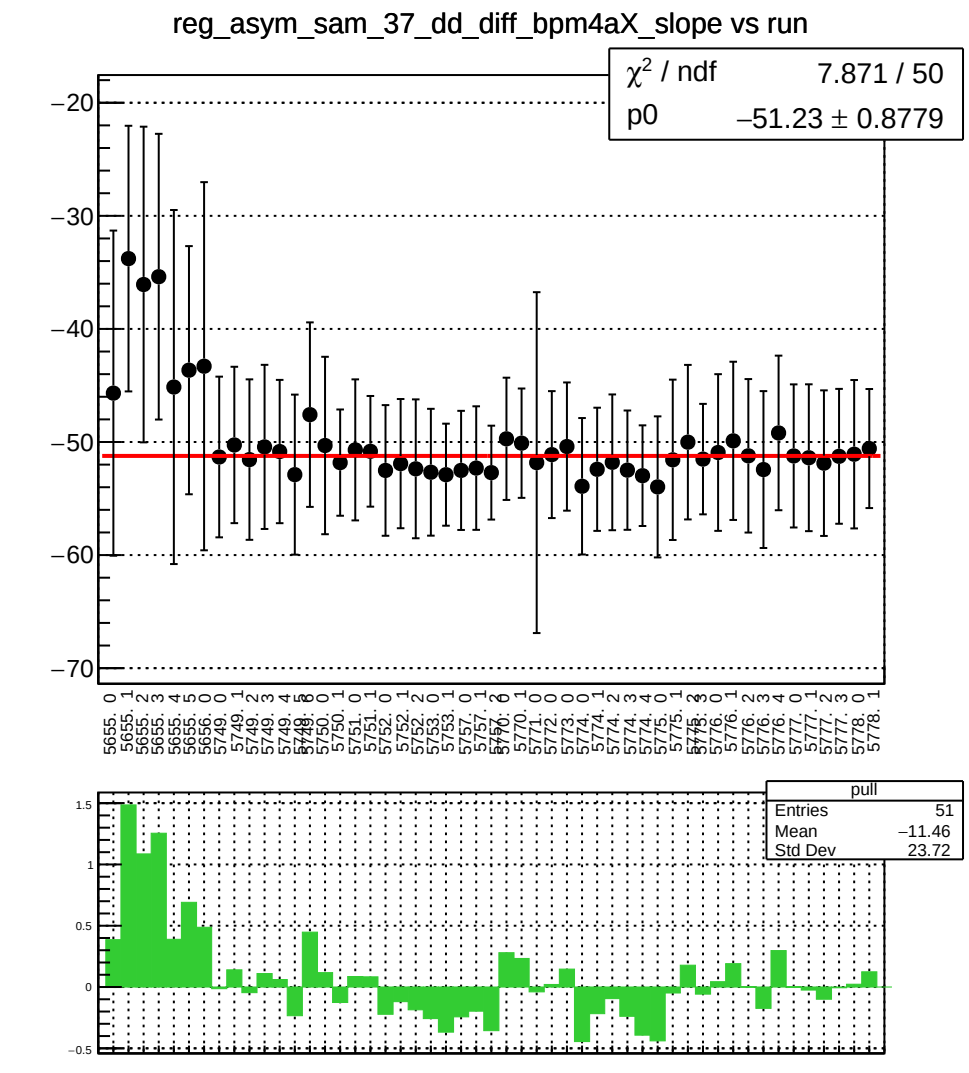

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.269 / 50
p0 8.838 ± 1.091
pull
Entries 51
Mean 83.45
Std Dev 54.01
pull1D
Entries 51
Mean −0.05417
Std Dev 0.3736

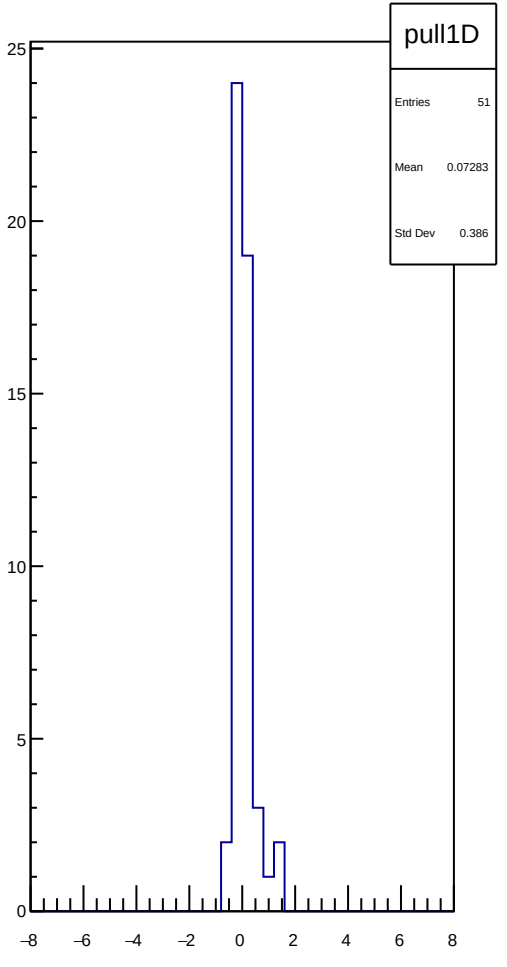

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.443 / 50
p0 −63.41 ± 1.418
pull
Entries 51
Mean −39.3
Std Dev 59.18
pull1D
Entries 51
Mean 0.05068
Std Dev 0.4037

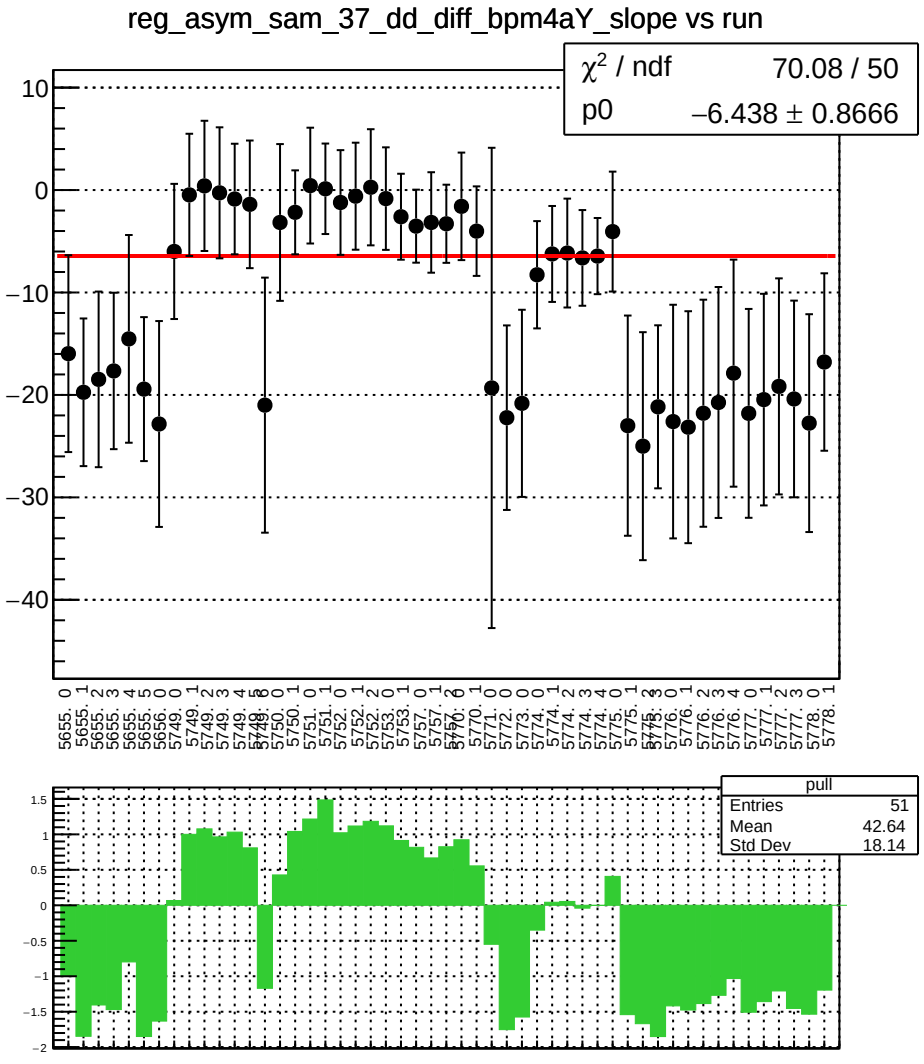

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.054 / 50
p0 −6.704 ± 1.161
pull
Entries 51
Mean 128.2
Std Dev 100.4

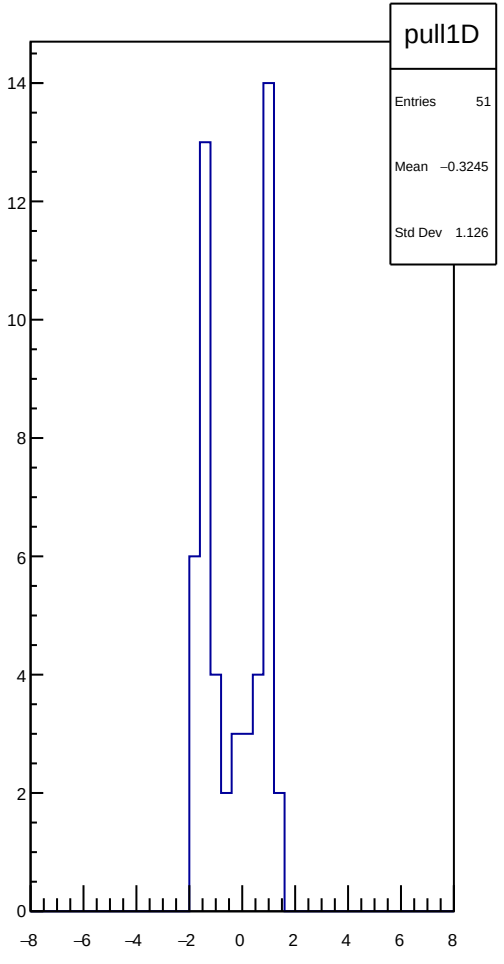

pull1D
Entries 51
Mean 0.03245
Std Dev 0.343

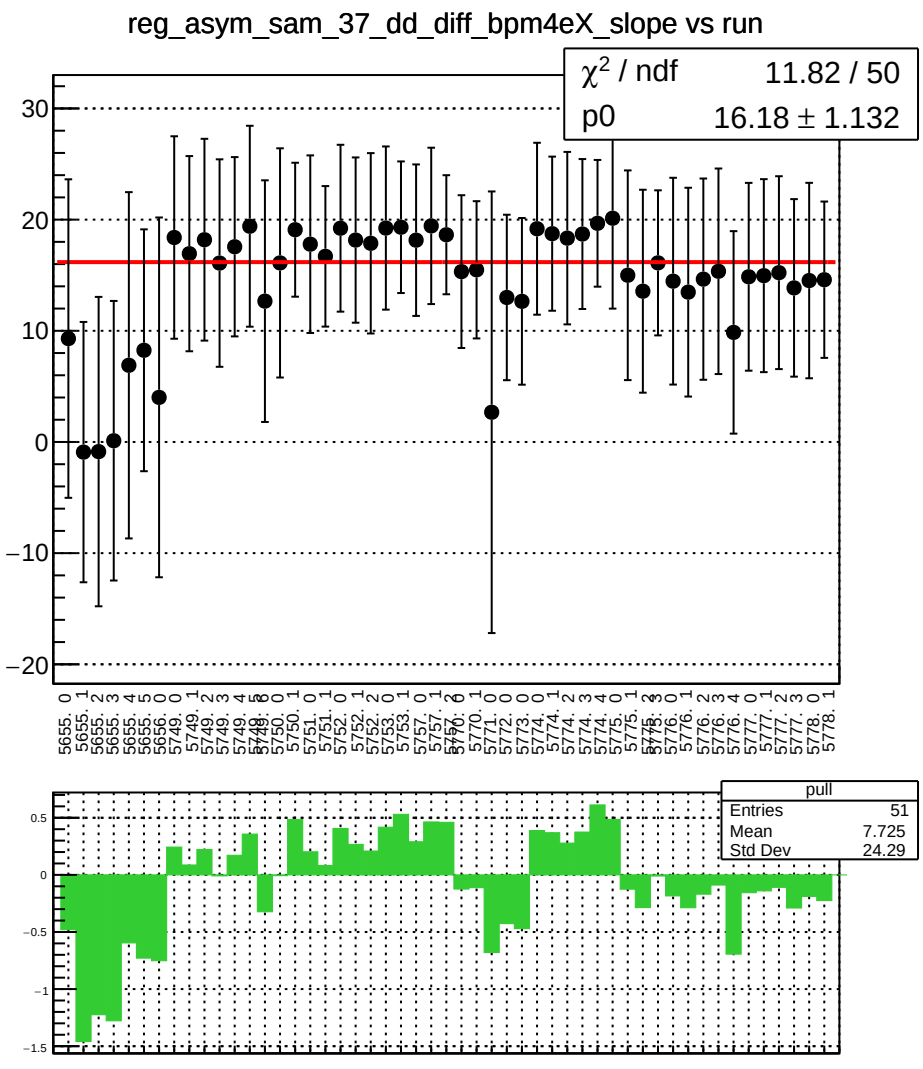

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 13.23 / 50
p0 −0.6106 ± 0.06564
pull
Entries 51
Mean 50
Std Dev 23.06
pull1D
Entries 51
Mean 0.06739
Std Dev 0.5048

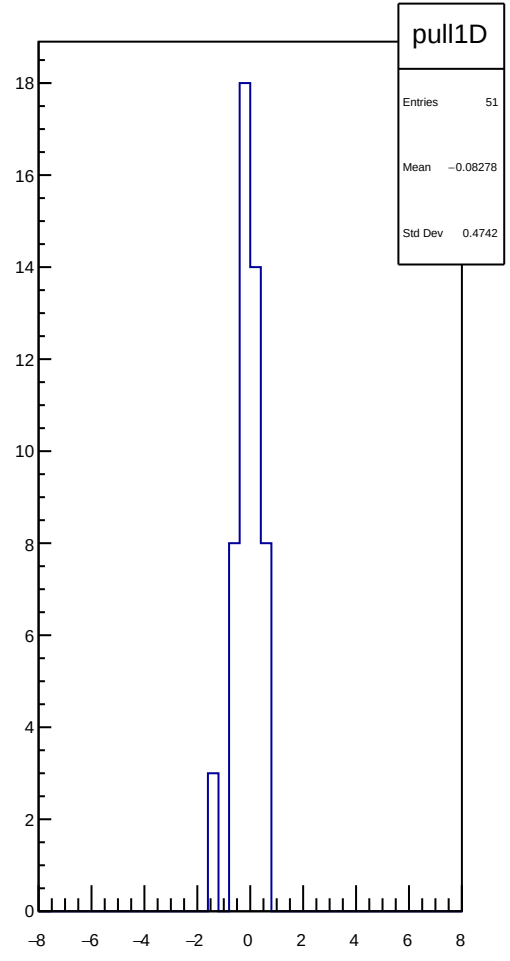

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.871 / 50
p0 −51.23 ± 0.8779
pull
Entries 51
Mean −11.46
Std Dev 23.72

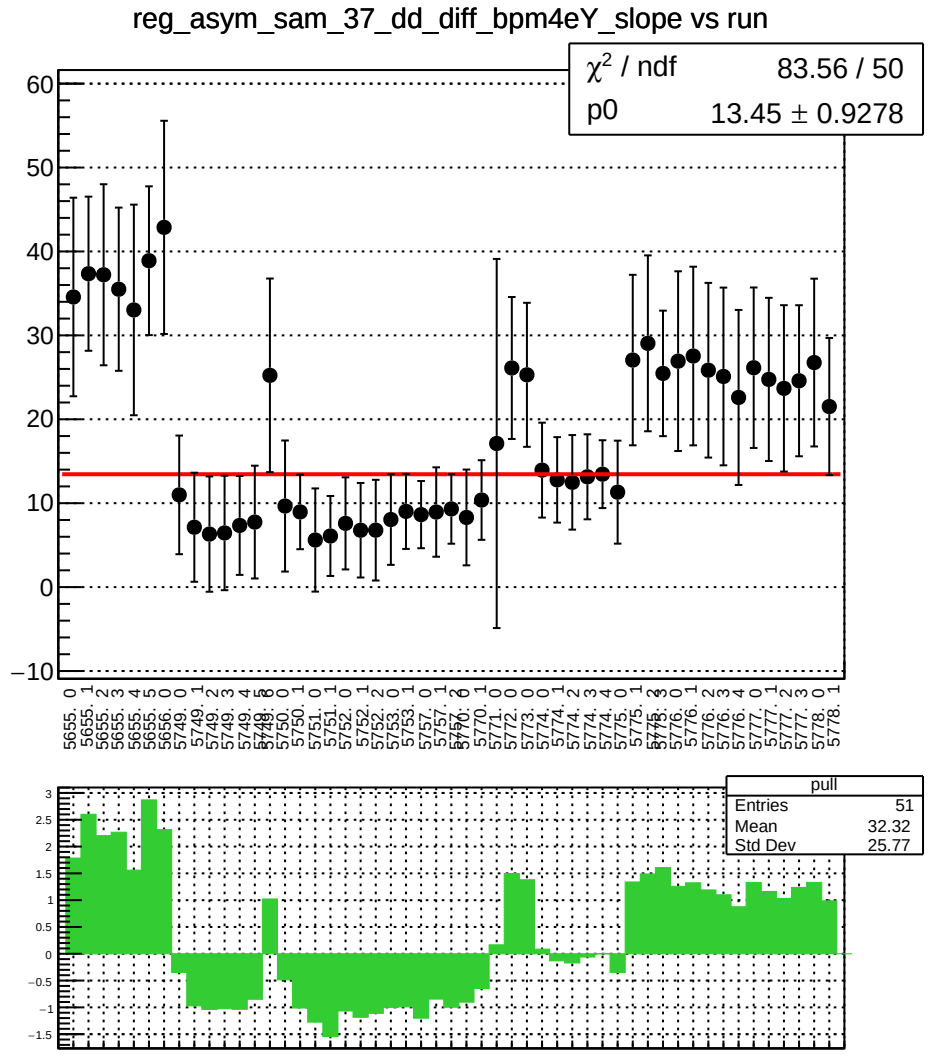

pull1D
Entries 51
Mean 0.07283
Std Dev 0.386

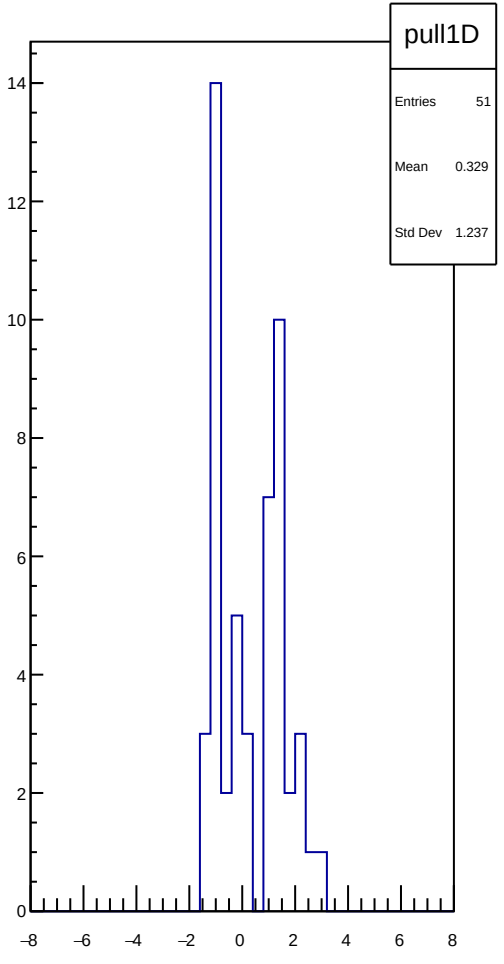

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.08 / 50
p0 −6.438 ± 0.8666
pull
Entries 51
Mean 42.64
Std Dev 18.14

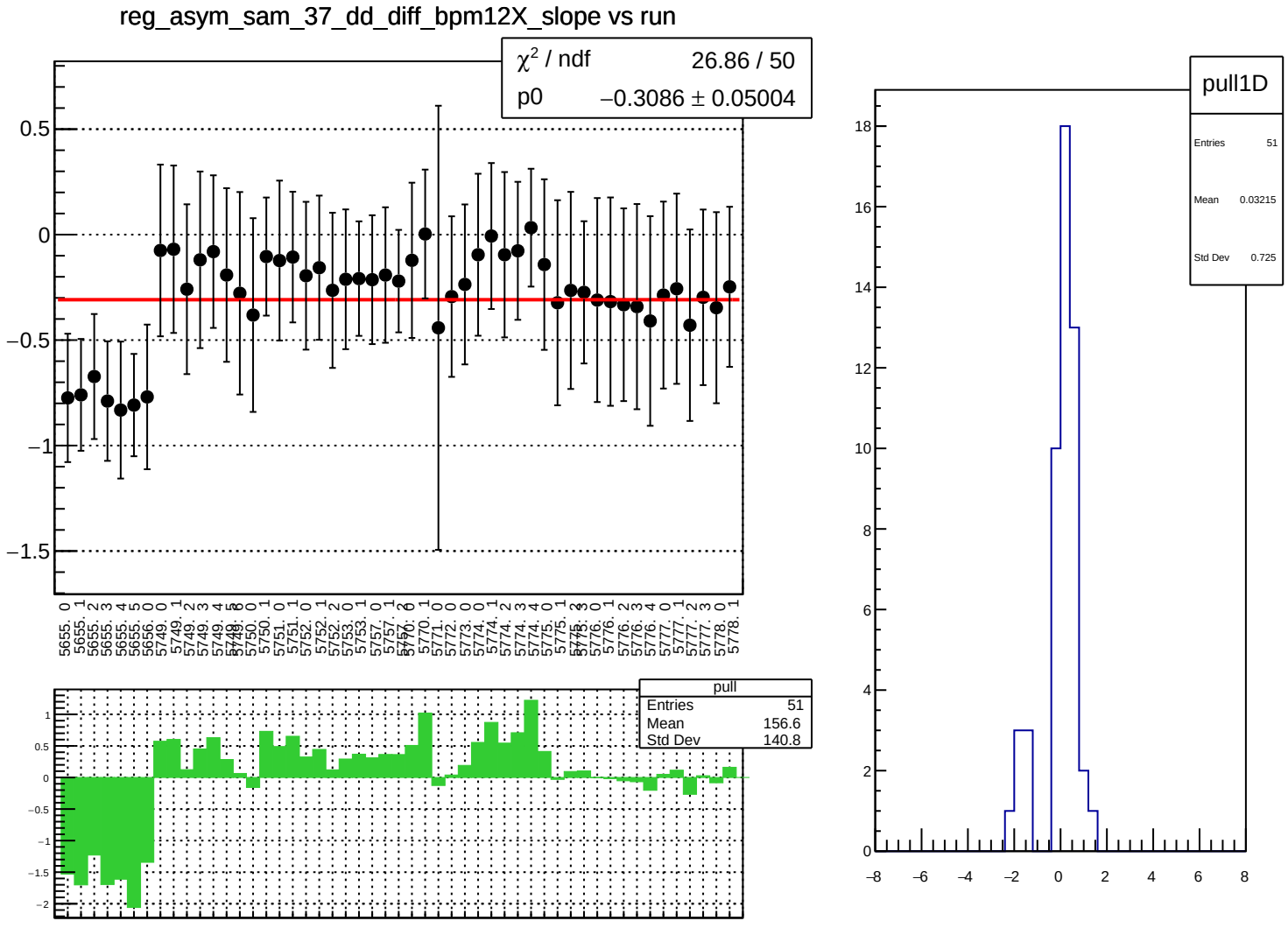

pull1D
Entries 51
Mean −0.3245
Std Dev 1.126

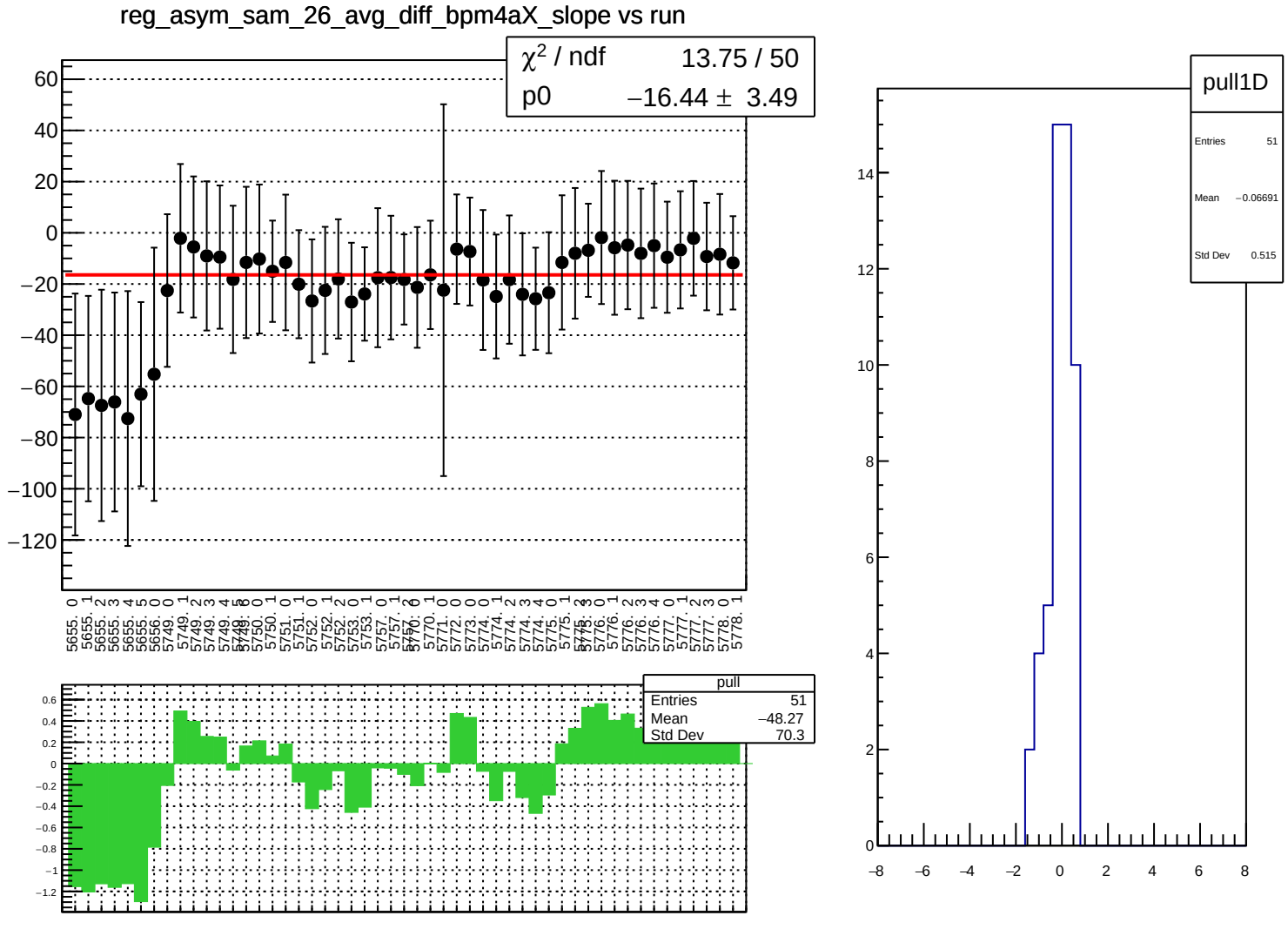

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.82 / 50
p0 16.18 ± 1.132
pull
Entries 51
Mean 7.725
Std Dev 24.29

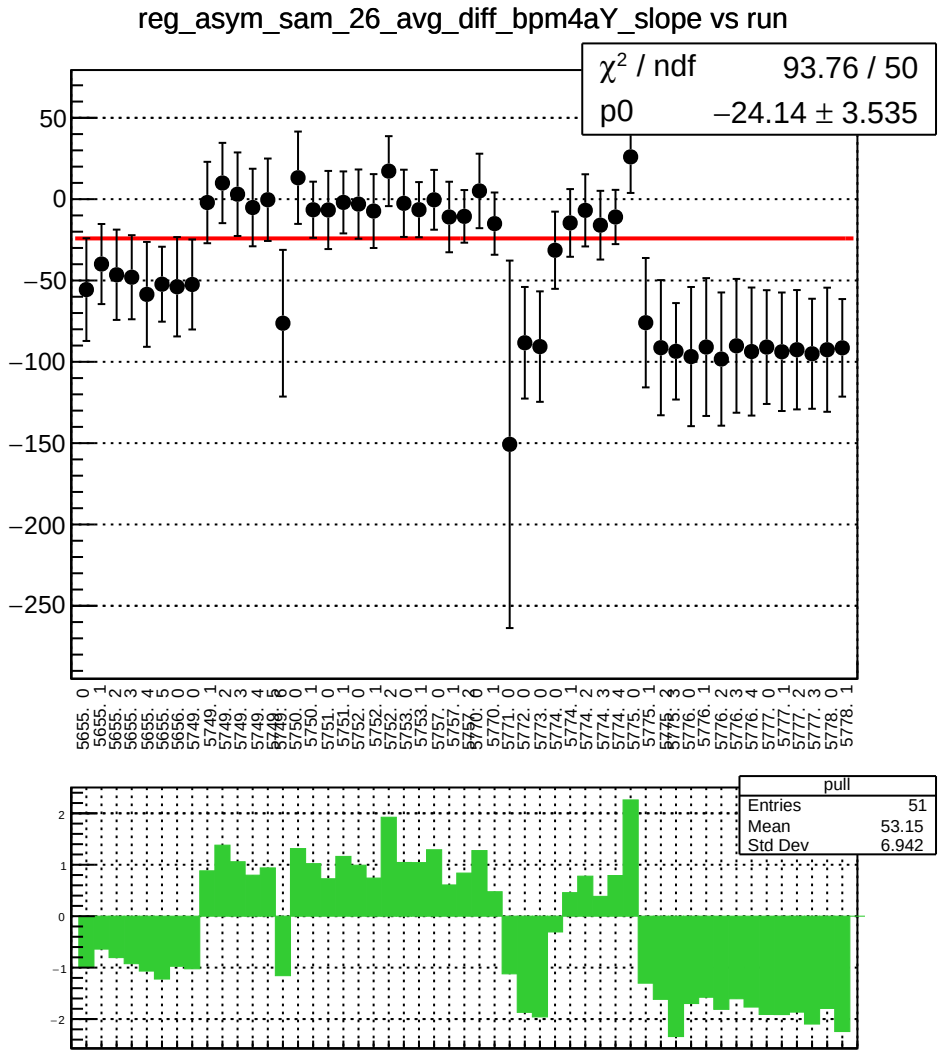

pull1D
Entries 51
Mean −0.08278
Std Dev 0.4742

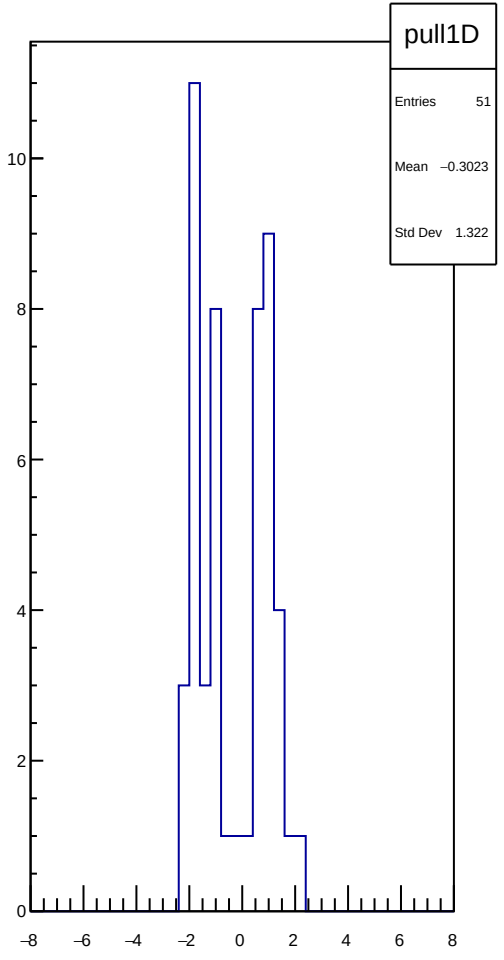

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.56 / 50
p0 13.45 ± 0.9278
pull
Entries 51
Mean 32.32
Std Dev 25.77

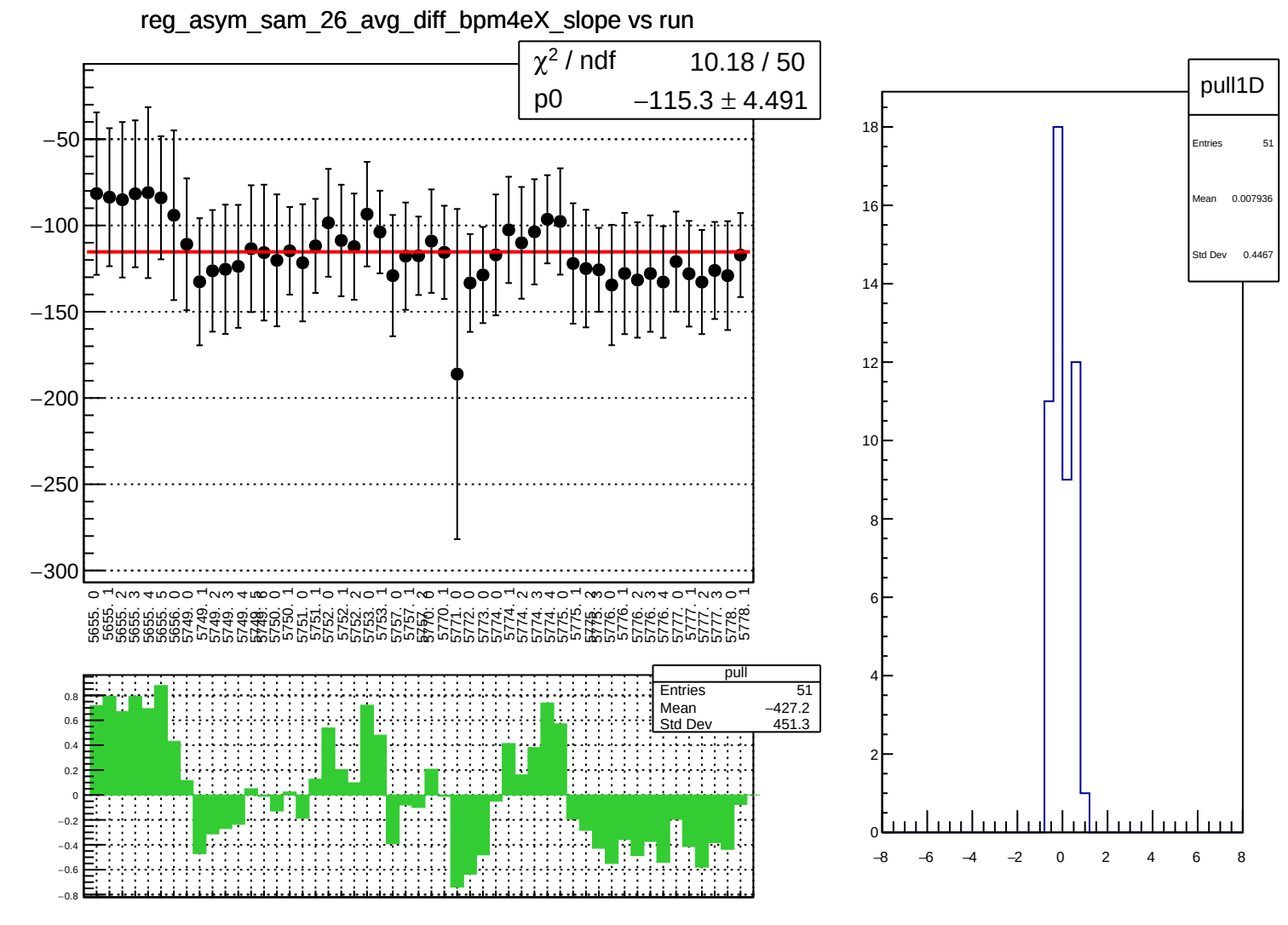

pull1D
Entries 51
Mean 0.329
Std Dev 1.237

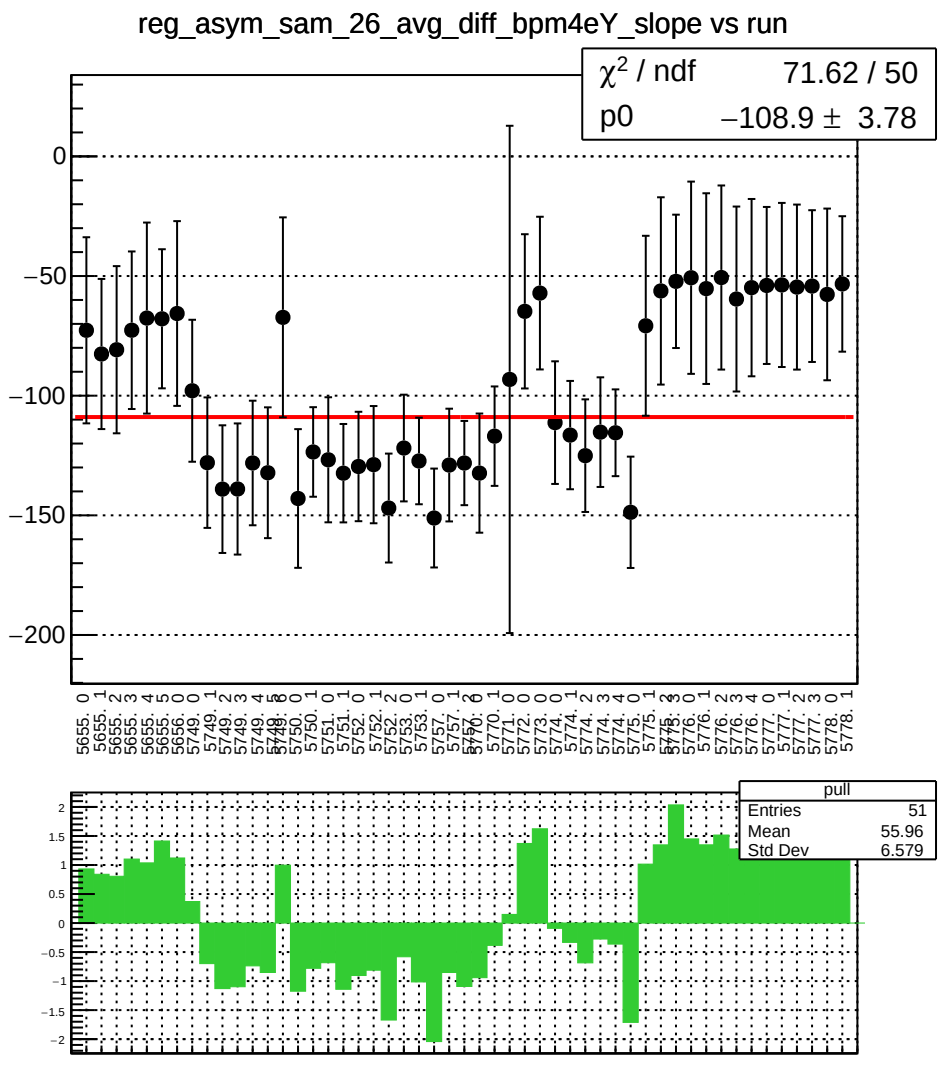

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 26.86 / 50
p0 −0.3086 ± 0.05004
pull
Entries 51
Mean 156.6
Std Dev 140.8
pull1D
Entries 51
Mean 0.03215
Std Dev 0.725

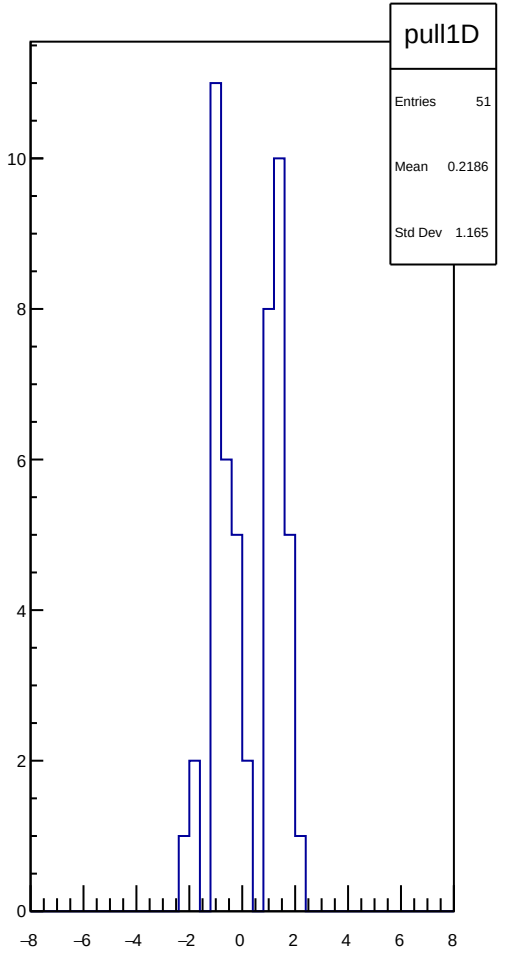

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.75 / 50
p0 −16.44 ± 3.49
pull
Entries 51
Mean −48.27
Std Dev 70.3
pull1D
Entries 51
Mean −0.06691
Std Dev 0.515

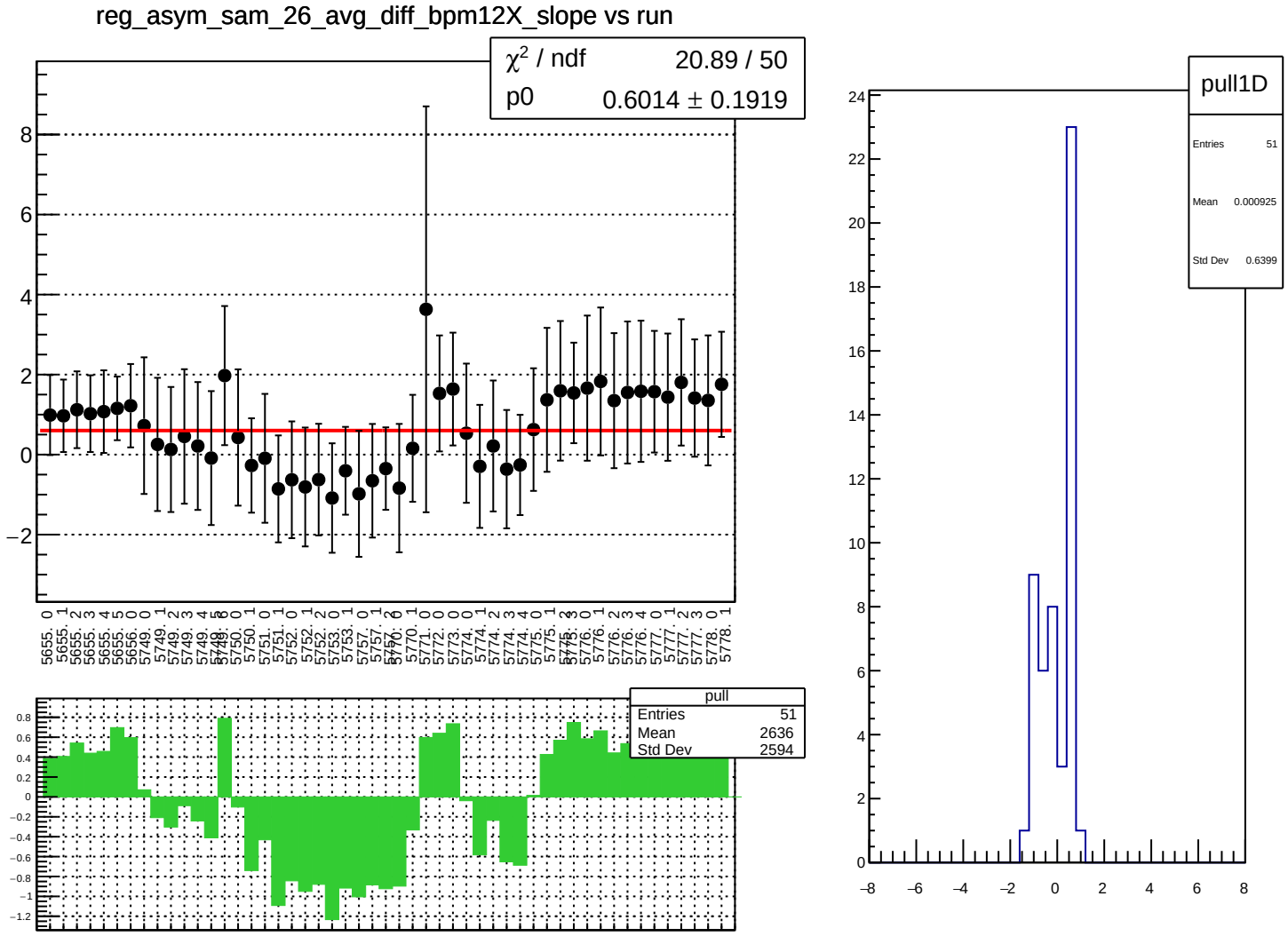

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 93.76 / 50
p0 −24.14 ± 3.535
pull
Entries 51
Mean 53.15
Std Dev 6.942

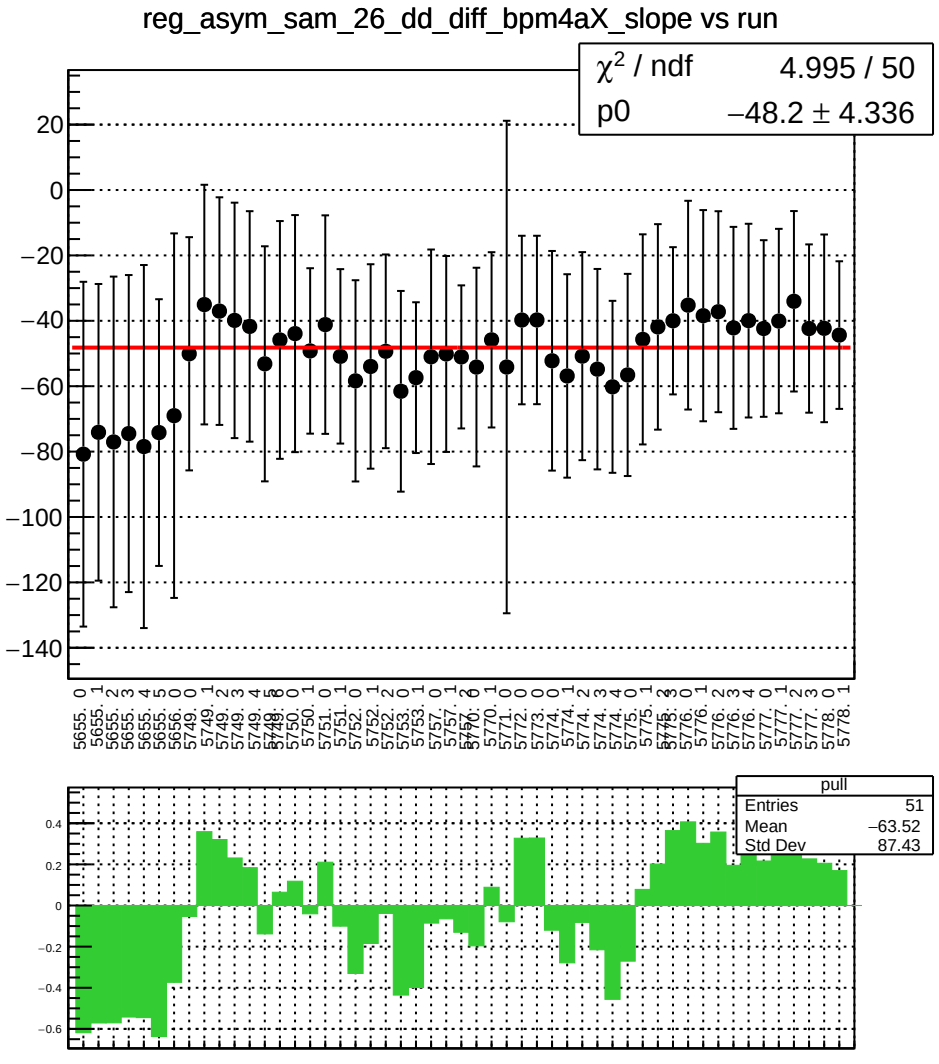

pull1D
Entries 51
Mean −0.3023
Std Dev 1.322

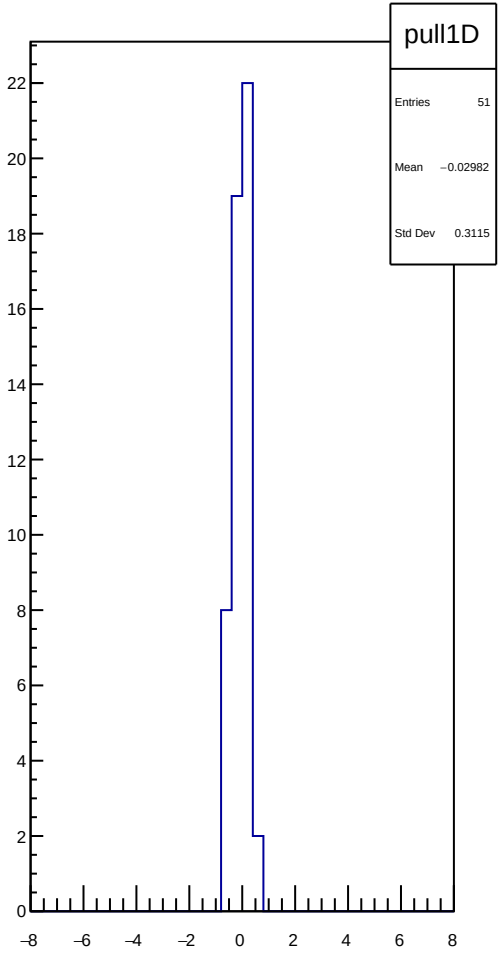

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 50
p0 −115.3 ± 4.491
pull
Entries 51
Mean −427.2
Std Dev 451.3
pull1D
Entries 51
Mean 0.007936
Std Dev 0.4467

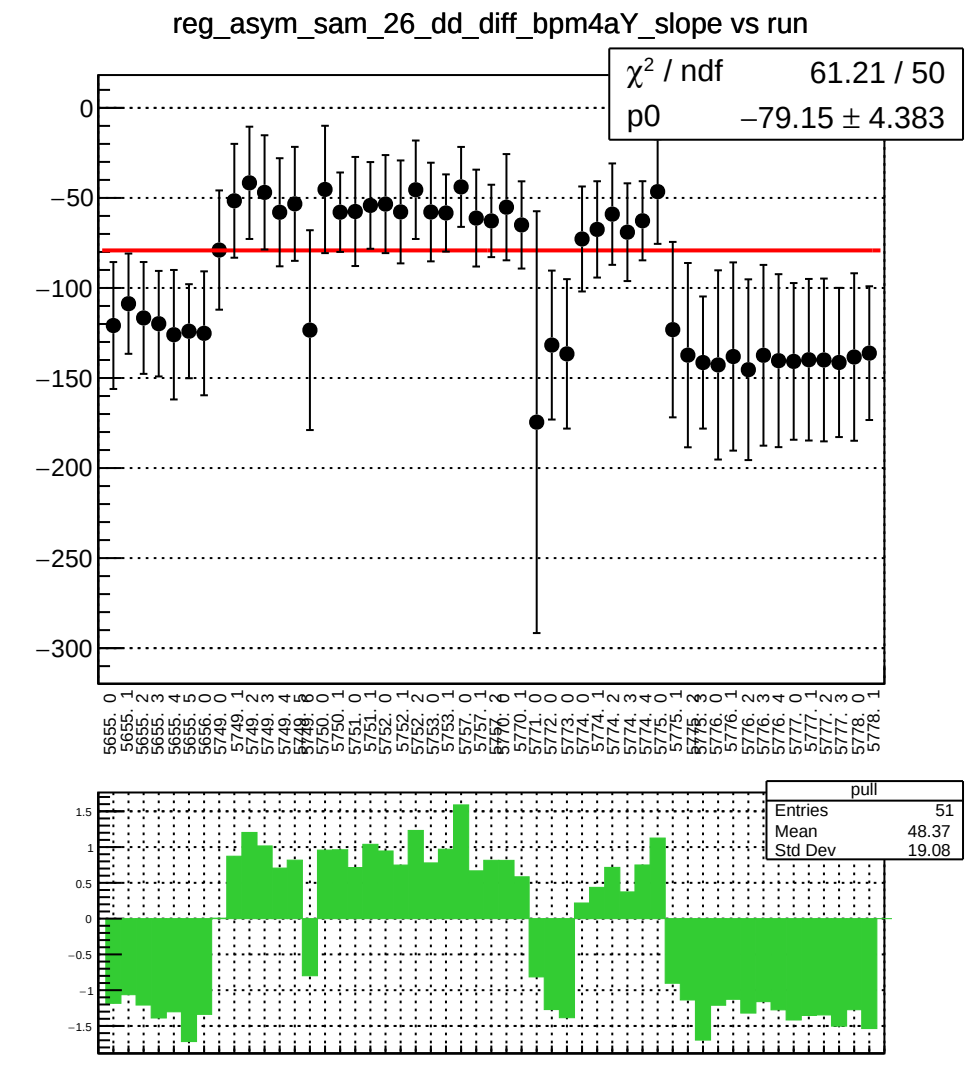

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 71.62 / 50
p0 −108.9 ± 3.78
pull
Entries 51
Mean 55.96
Std Dev 6.579

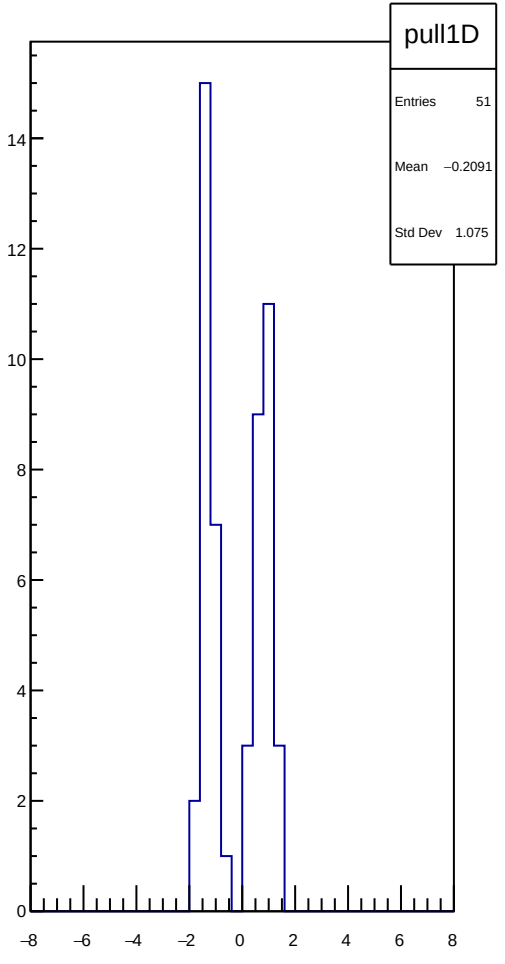

pull1D
Entries 51
Mean 0.2186
Std Dev 1.165

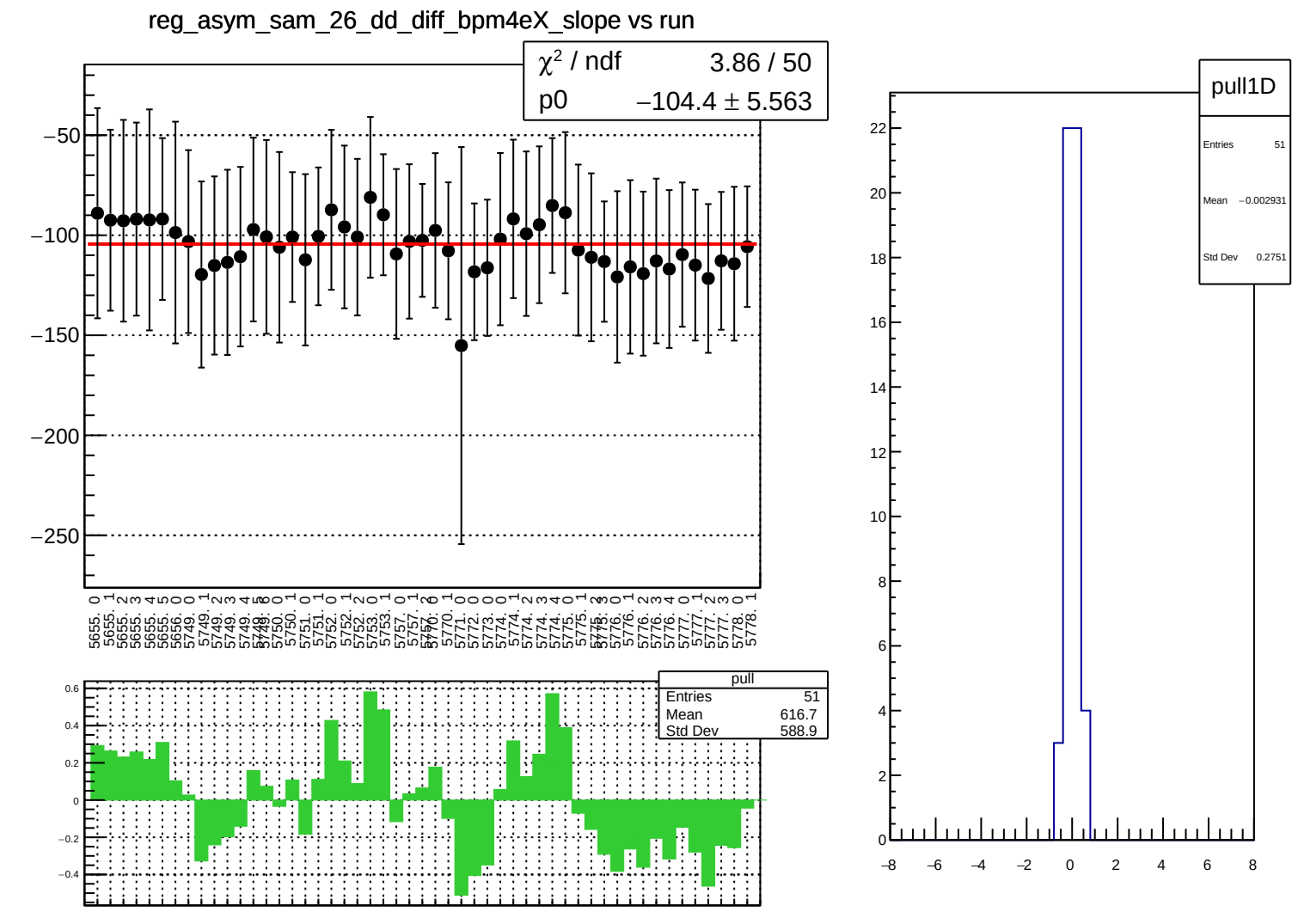

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.89 / 50
p0 0.6014 ± 0.1919
pull
Entries 51
Mean 2636
Std Dev 2594
pull1D
Entries 51
Mean 0.000925
Std Dev 0.6399

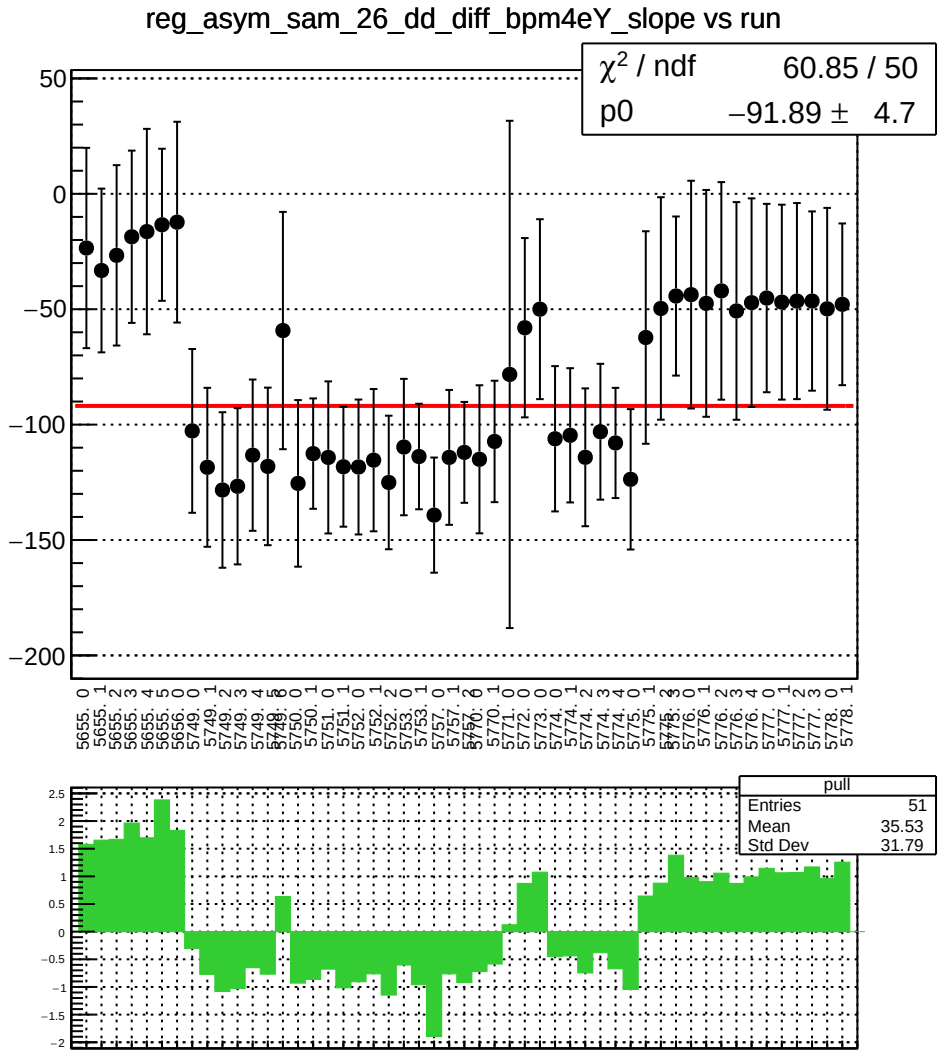

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.995 / 50
p0 −48.2 ± 4.336
pull
Entries 51
Mean −63.52
Std Dev 87.43

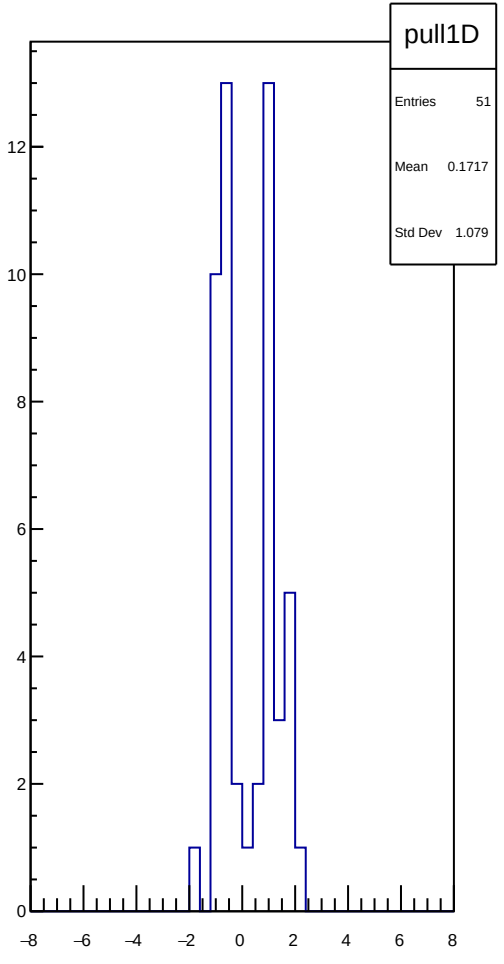

pull1D
Entries 51
Mean −0.02982
Std Dev 0.3115

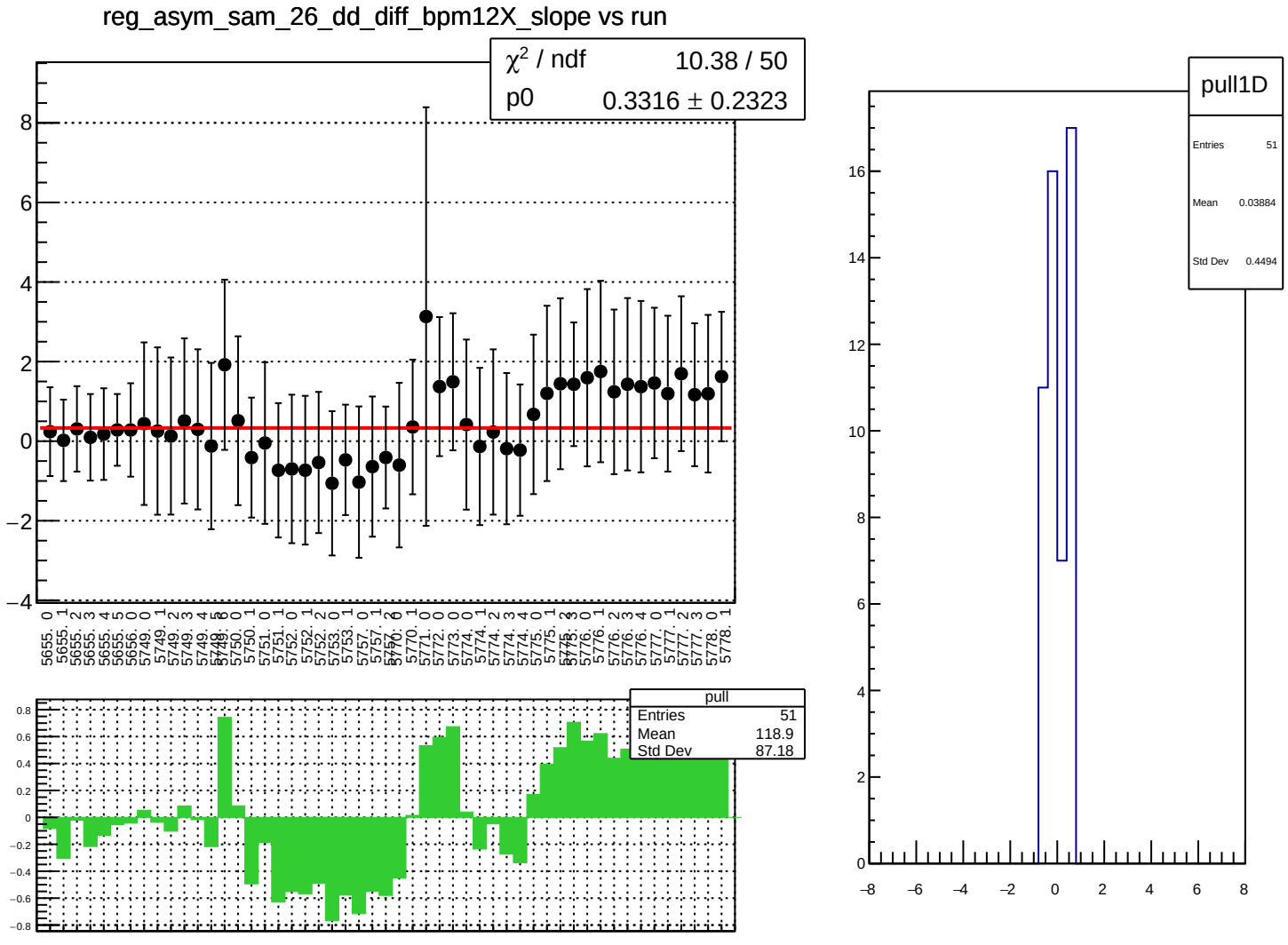

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.21 / 50
p0 −79.15 ± 4.383
pull
Entries 51
Mean 48.37
Std Dev 19.08

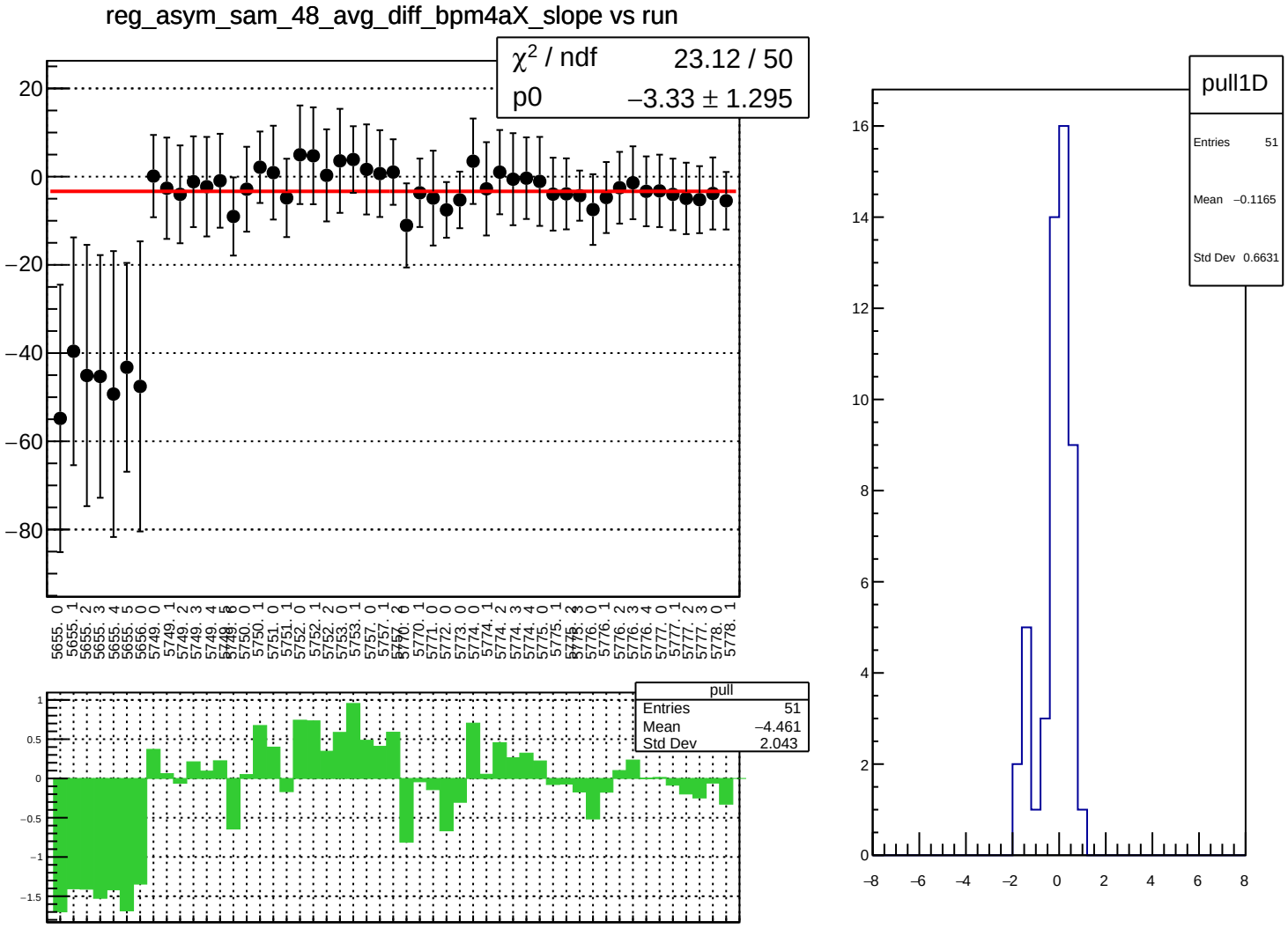

pull1D
Entries 51
Mean −0.2091
Std Dev 1.075

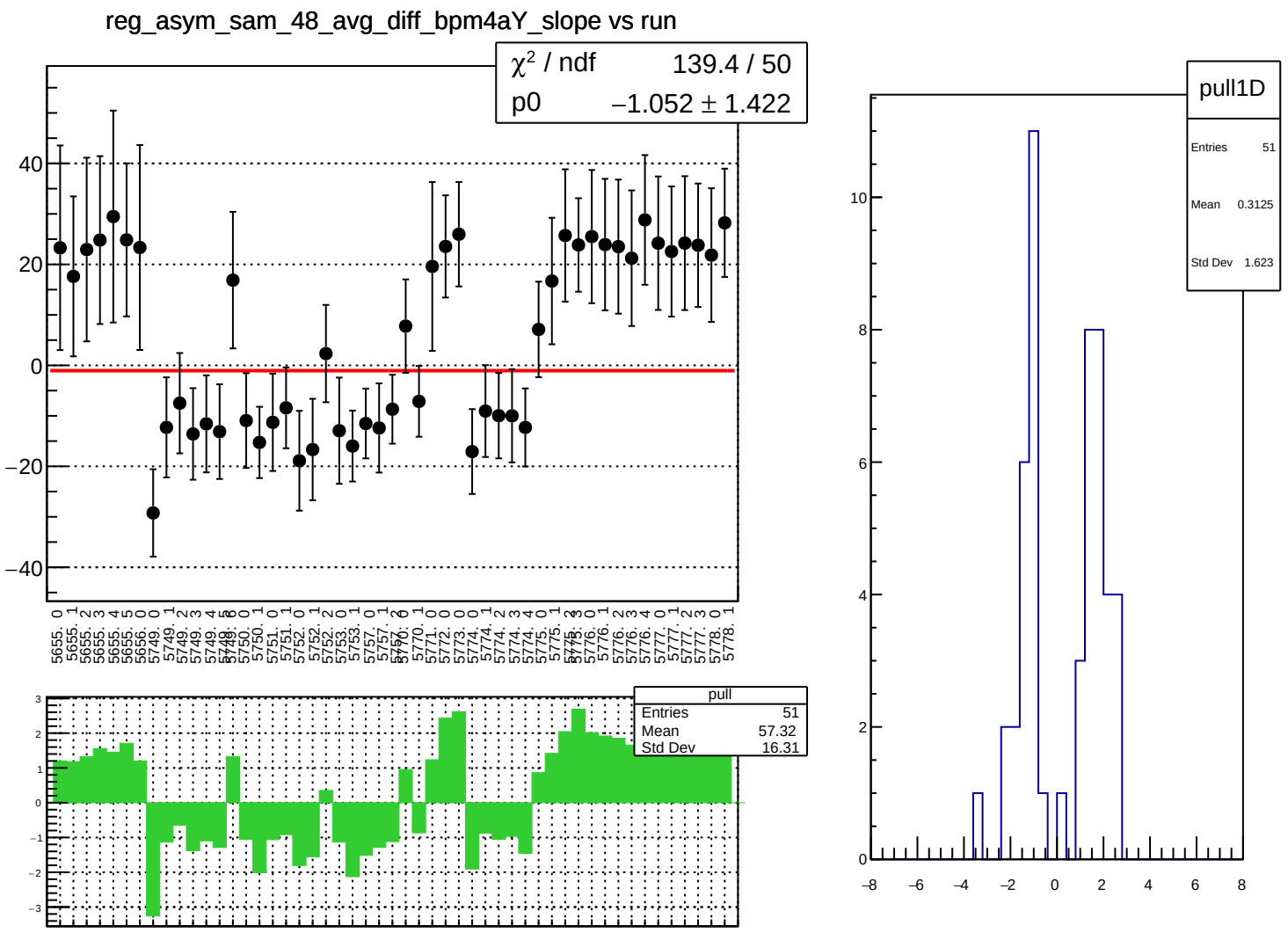

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.86 / 50
p0 −104.4 ± 5.563
−50
−100
−150
−200
−250
pull
Entries 51
Mean 616.7
Std Dev 588.9
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 51
Mean −0.002931
Std Dev 0.2751
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

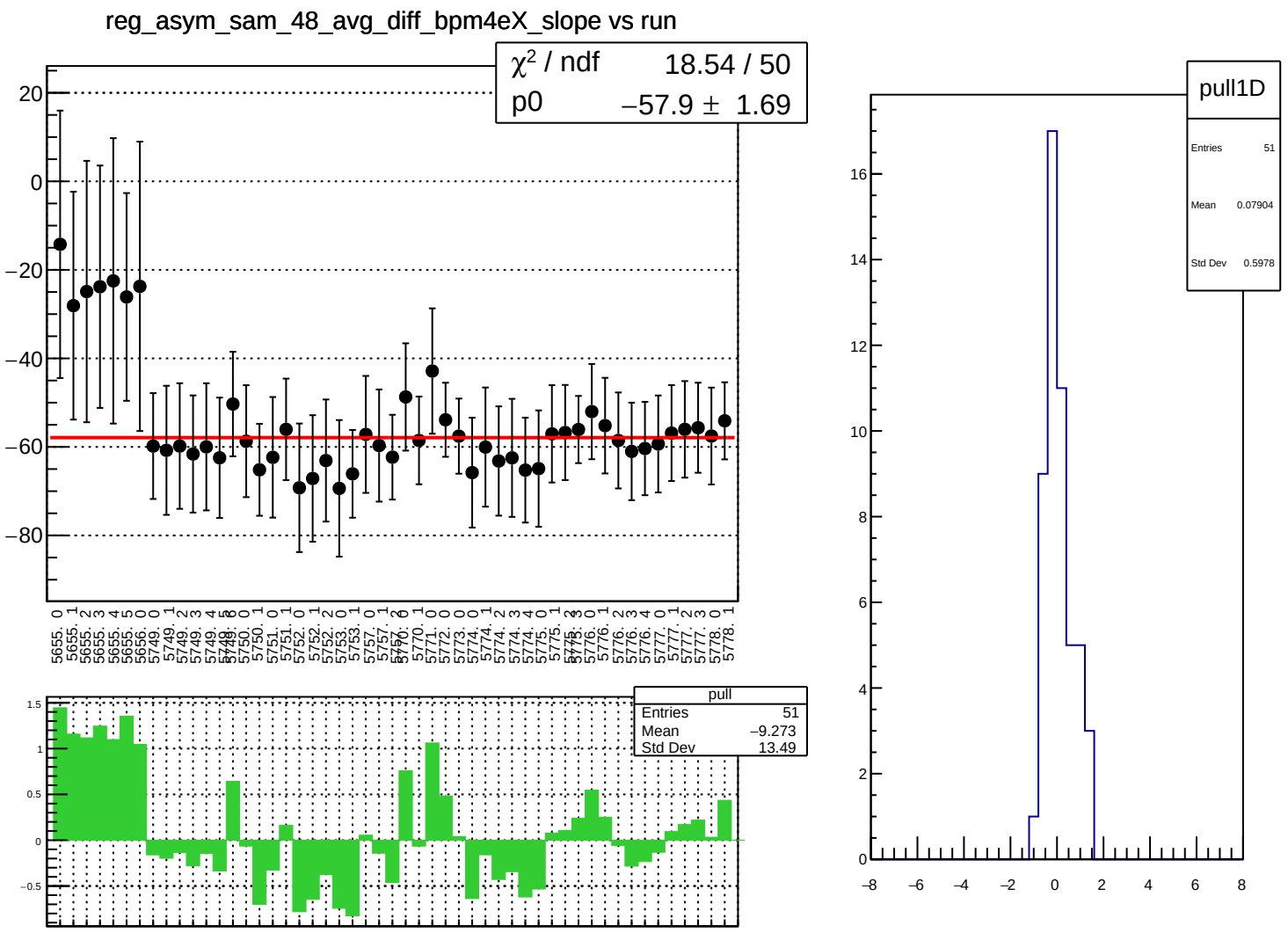

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.85 / 50
p0 −91.89 ± 4.7
pull
Entries 51
Mean 35.53
Std Dev 31.79

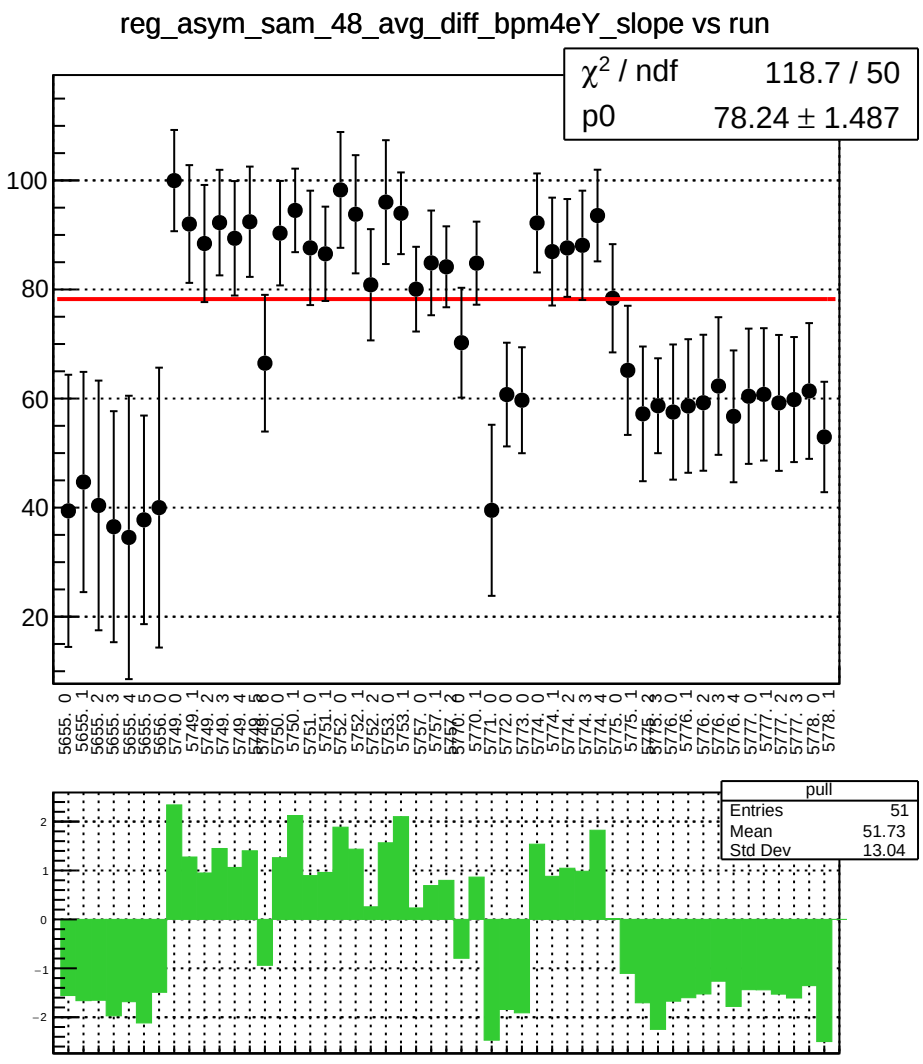

pull1D
Entries 51
Mean 0.1717
Std Dev 1.079

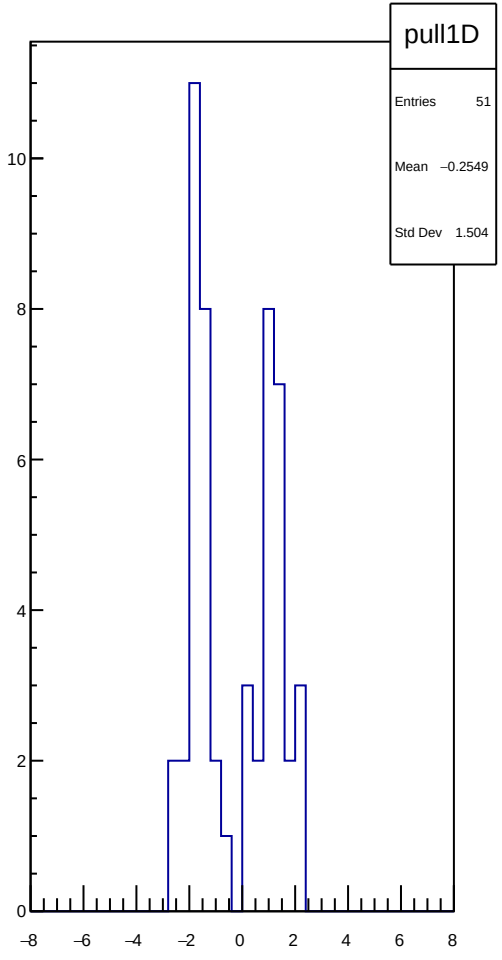

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.38 / 50
p0 0.3316 ± 0.2323
pull
Entries 51
Mean 118.9
Std Dev 87.18
pull1D
Entries 51
Mean 0.03884
Std Dev 0.4494

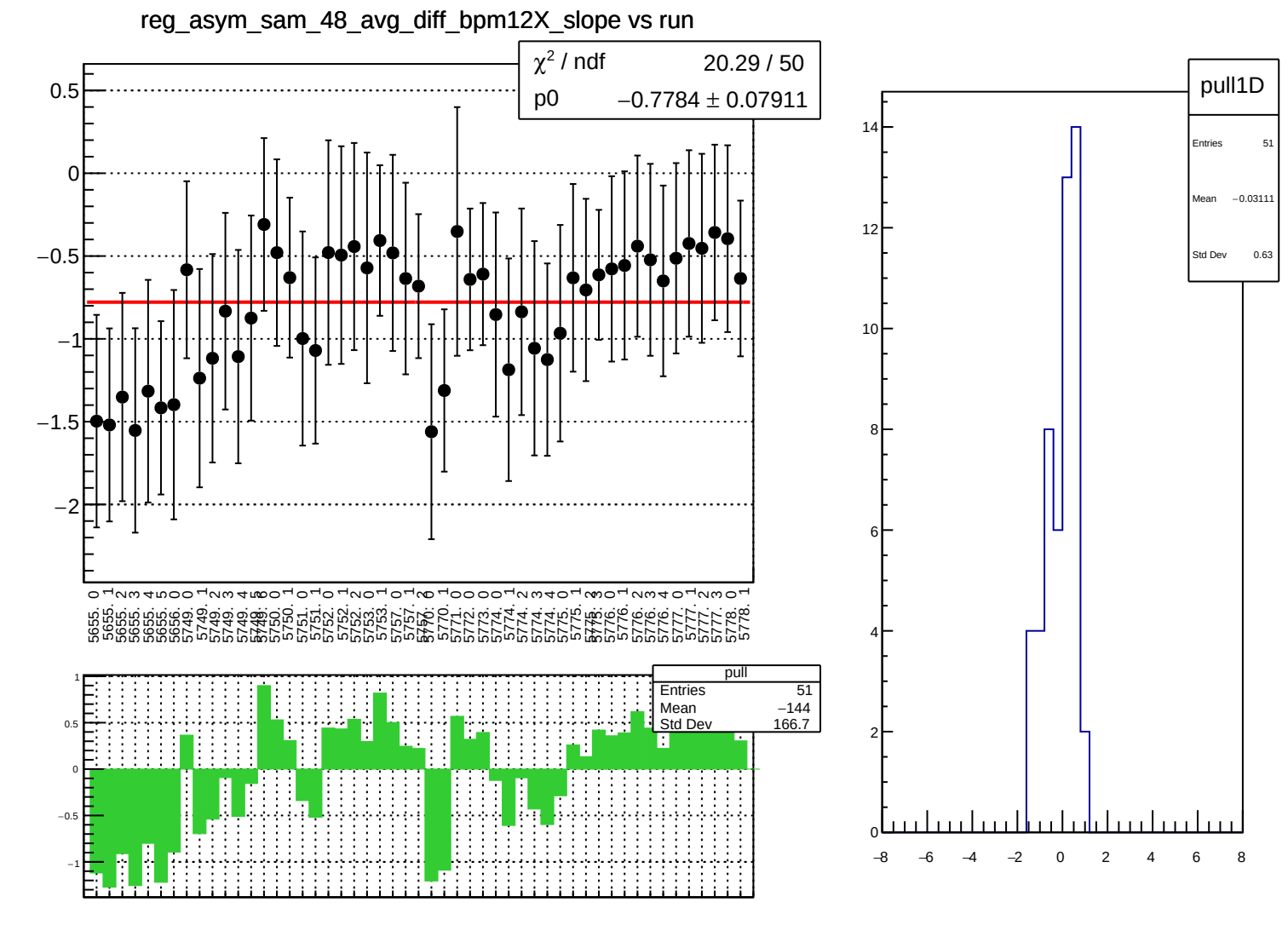

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.12 / 50
p0 −3.33 ± 1.295
pull
Entries 51
Mean −4.461
Std Dev 2.043
pull1D
Entries 51
Mean −0.1165
Std Dev 0.6631

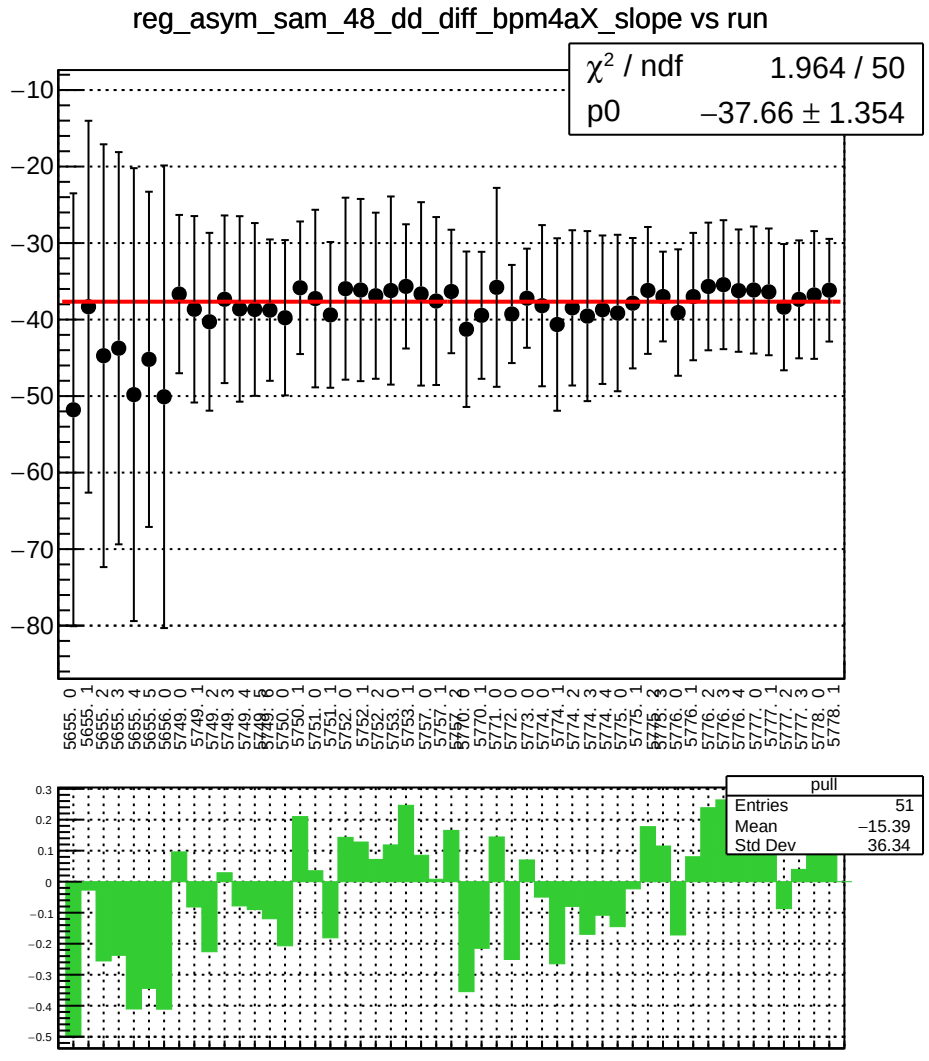

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 139.4 / 50
p0 −1.052 ± 1.422
pull
Entries 51
Mean 57.32
Std Dev 16.31
pull1D
Entries 51
Mean 0.3125
Std Dev 1.623

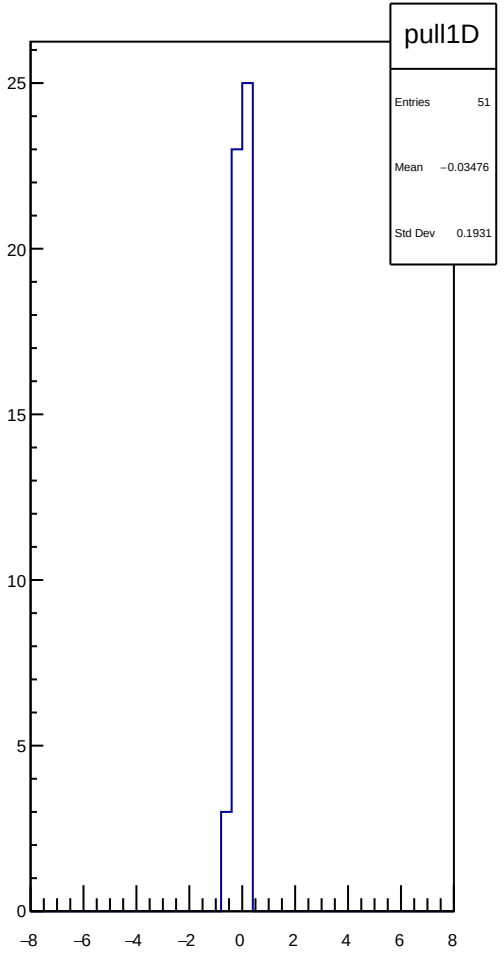

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.54 / 50
p0 −57.9 ± 1.69
pull
Entries 51
Mean −9.273
Std Dev 13.49
pull1D
Entries 51
Mean 0.07904
Std Dev 0.5978

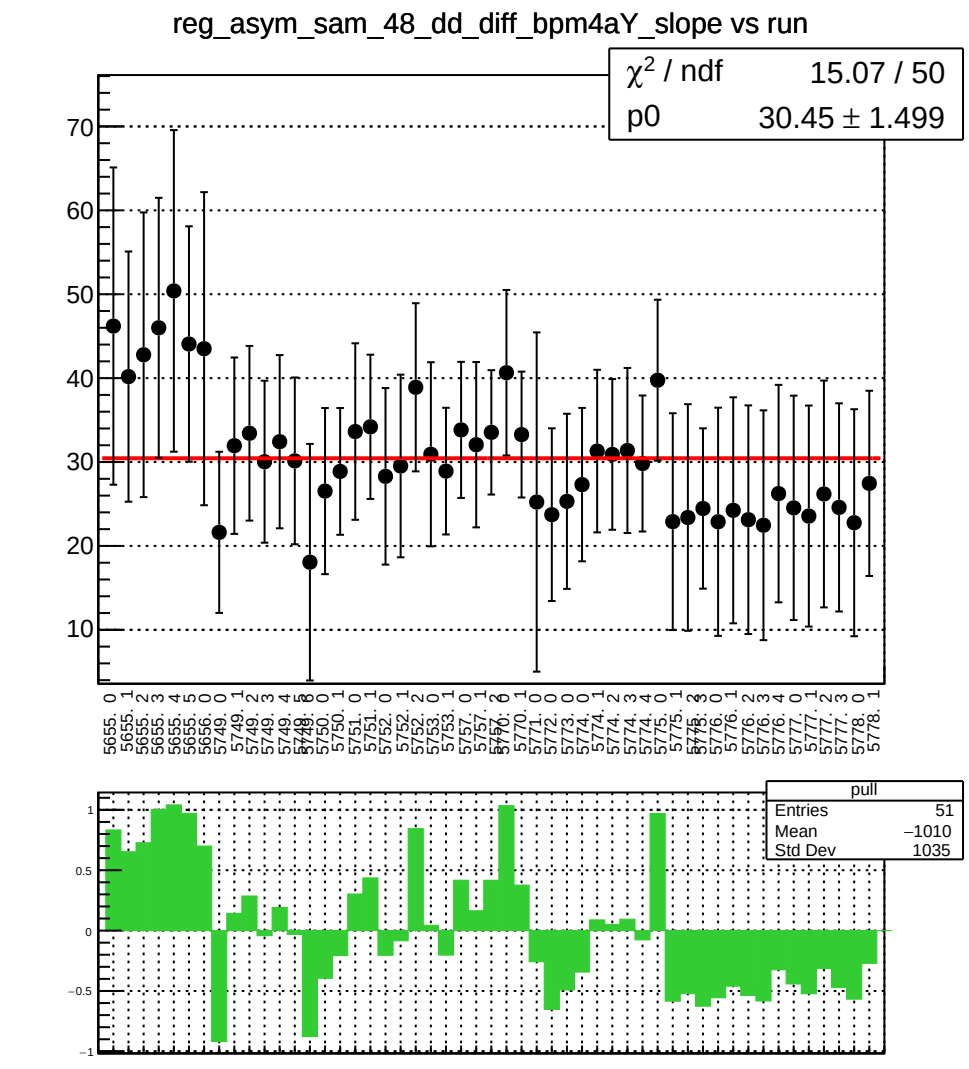

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 118.7 / 50
p0 78.24 ± 1.487
pull
Entries 51
Mean 51.73
Std Dev 13.04

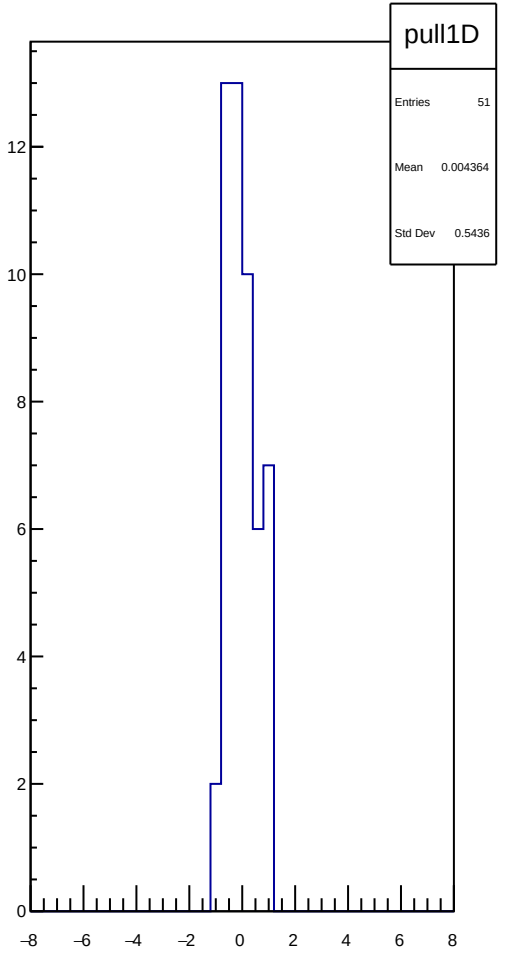

pull1D
Entries 51
Mean −0.2549
Std Dev 1.504

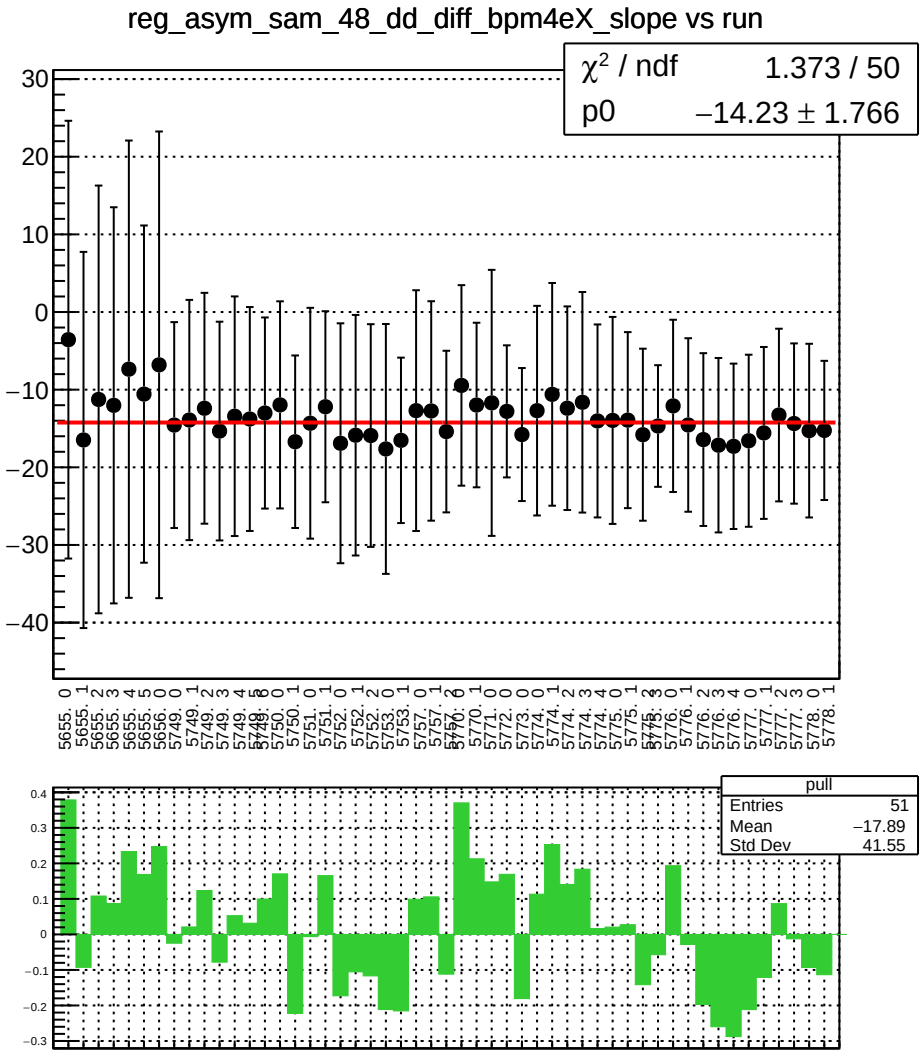

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 20.29 / 50
p0 −0.7784 ± 0.07911
pull
Entries 51
Mean −144
Std Dev 166.7
pull1D
Entries 51
Mean −0.03111
Std Dev 0.63

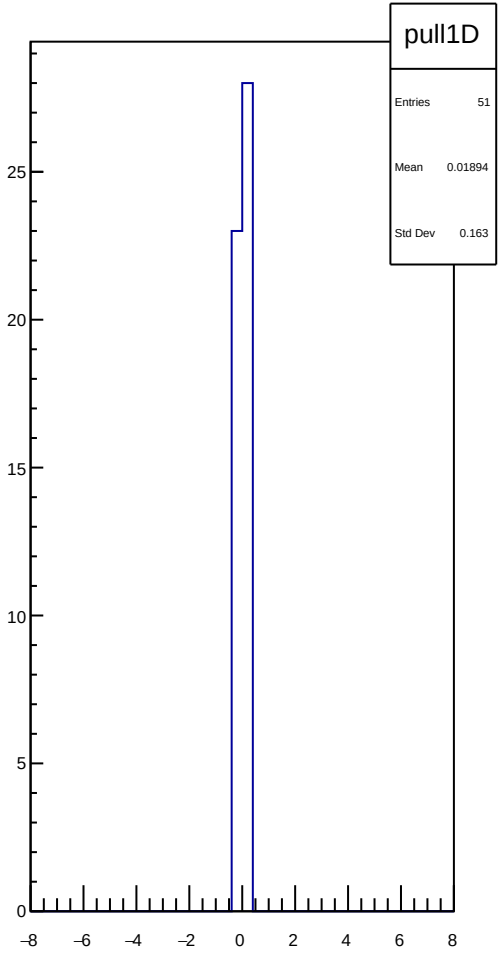

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.964 / 50
p0 −37.66 ± 1.354
pull
Entries 51
Mean −15.39
Std Dev 36.34

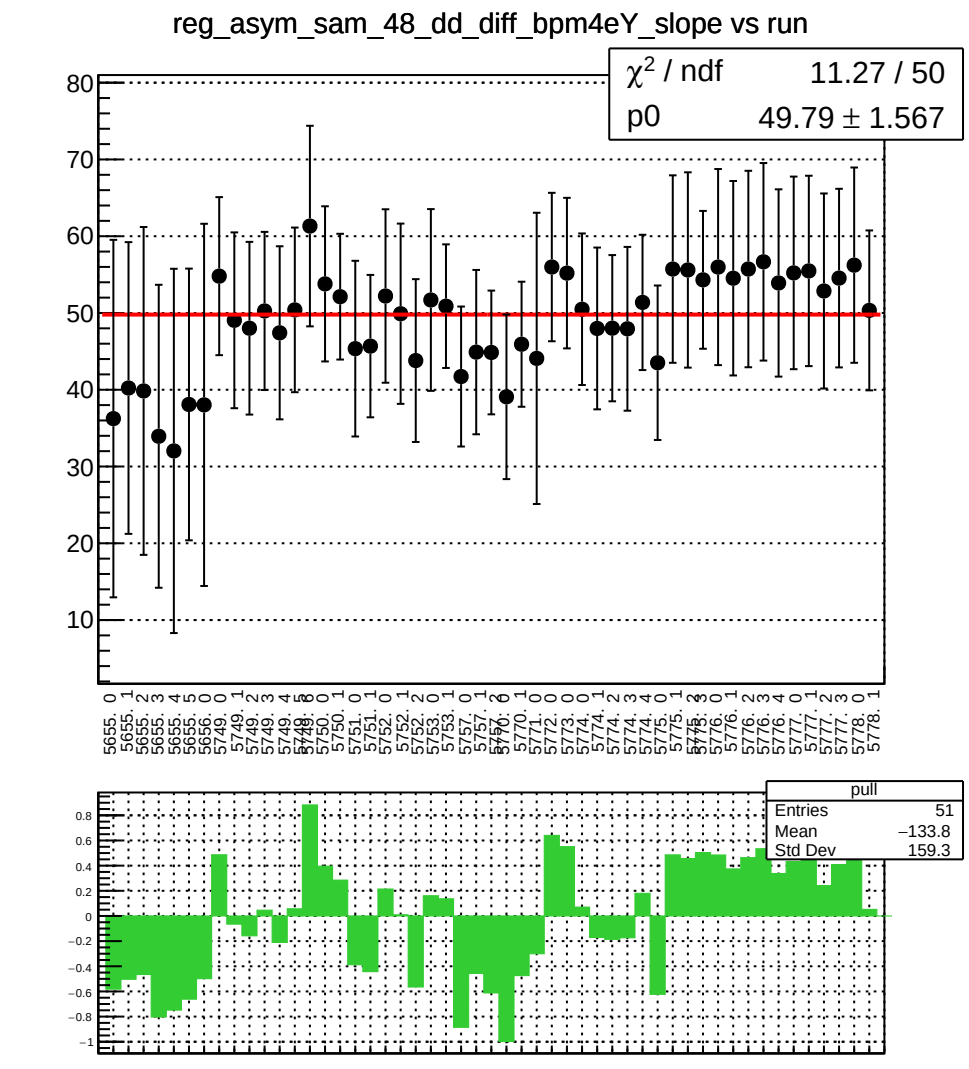

pull1D
Entries 51
Mean −0.03476
Std Dev 0.1931

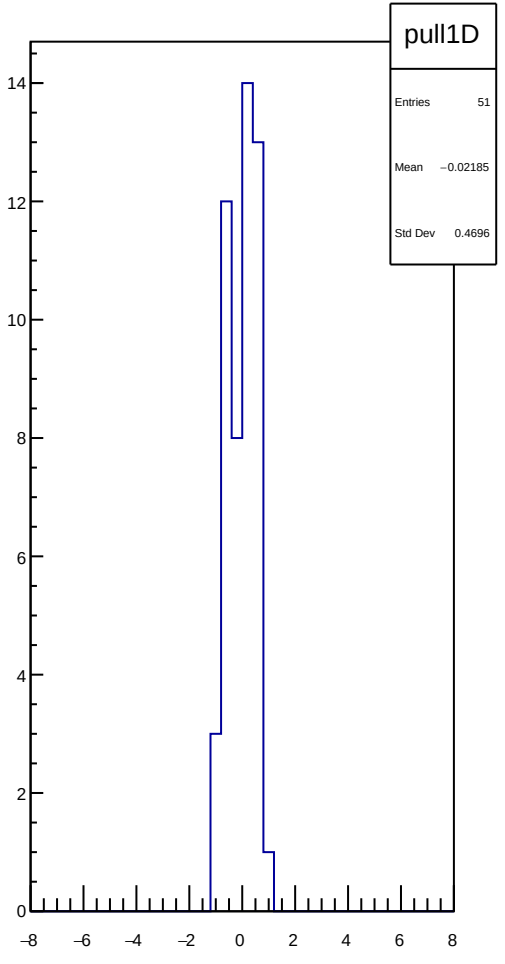

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.07 / 50
p0 30.45 ± 1.499
pull
Entries 51
Mean −1010
Std Dev 1035

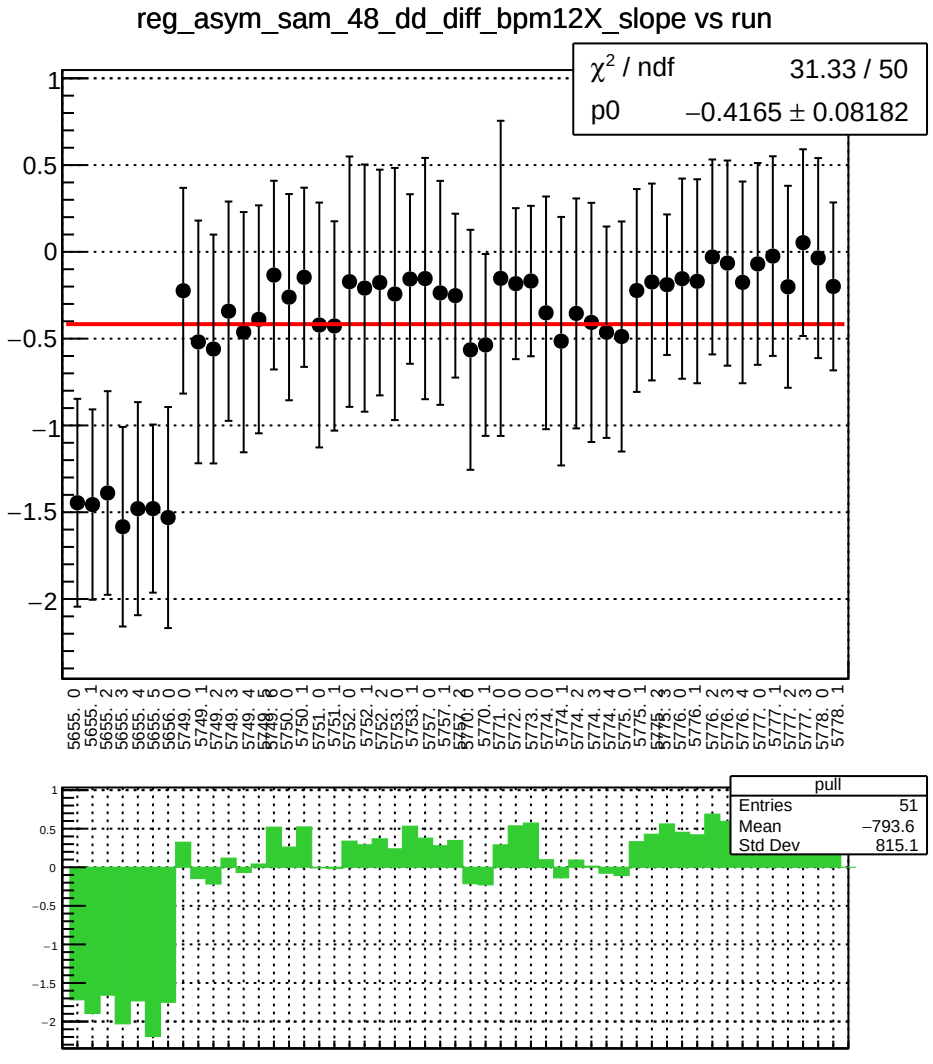

pull1D
Entries 51
Mean 0.004364
Std Dev 0.5436

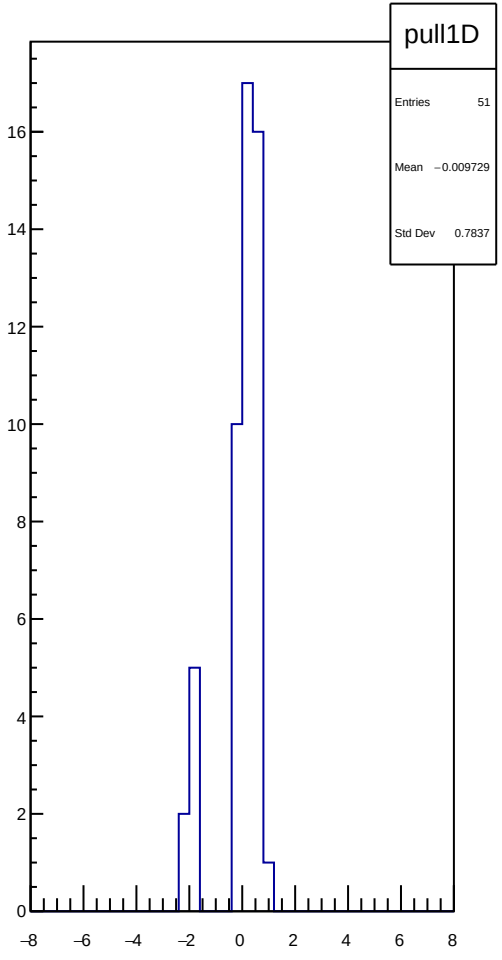

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.373 / 50
p0 −14.23 ± 1.766
pull
Entries 51
Mean −17.89
Std Dev 41.55

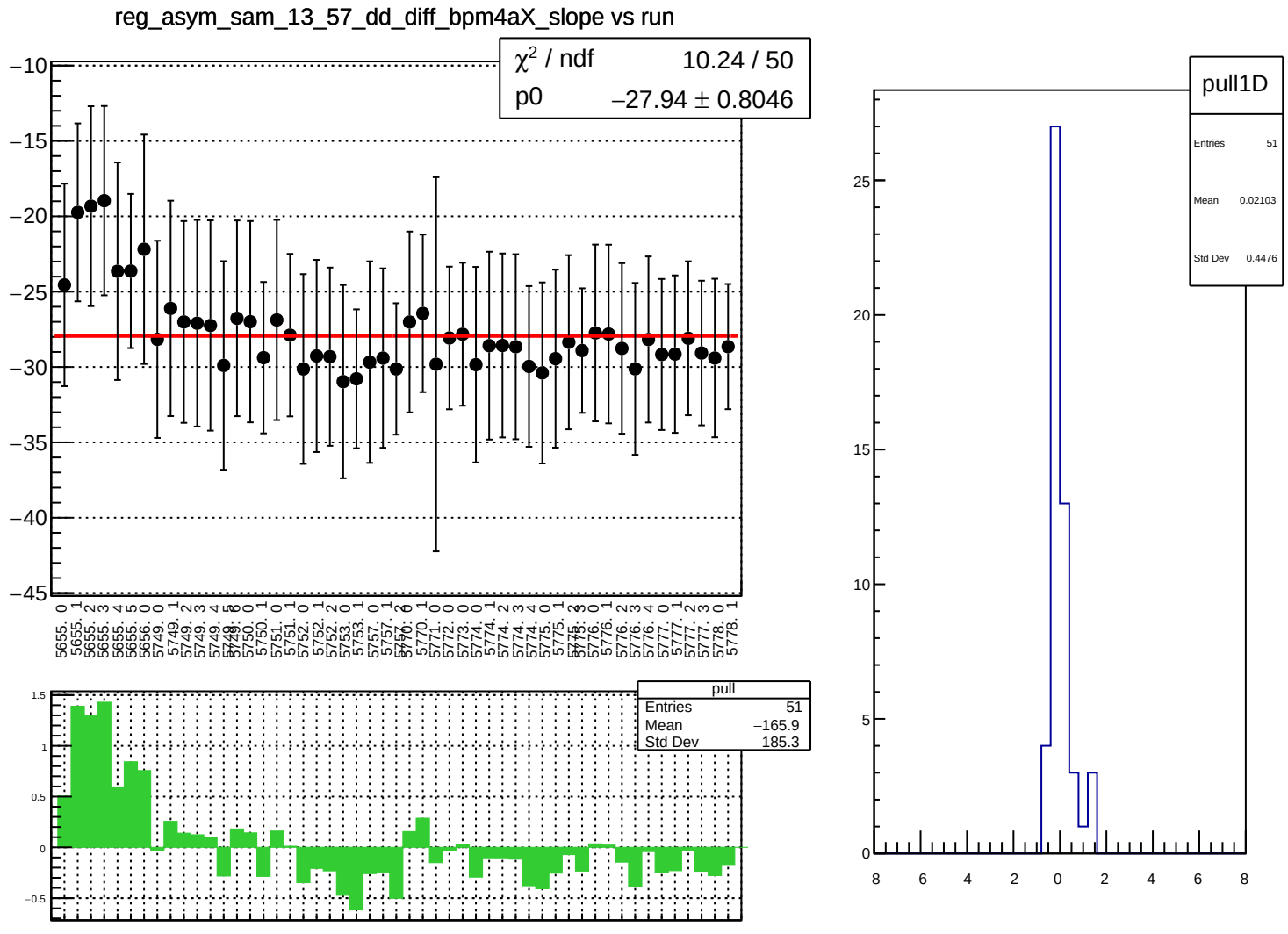

pull1D
Entries 51
Mean 0.01894
Std Dev 0.163

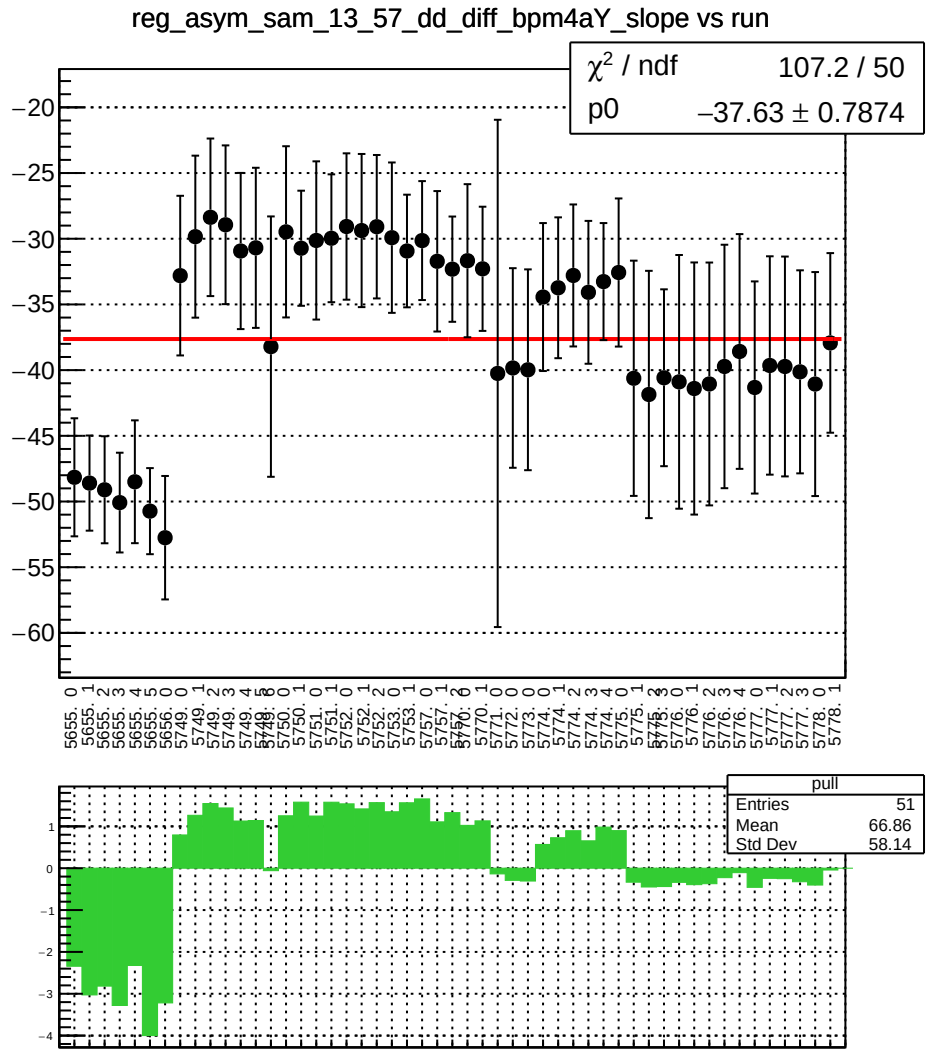

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 50
p0 49.79 ± 1.567
pull
Entries 51
Mean −133.8
Std Dev 159.3

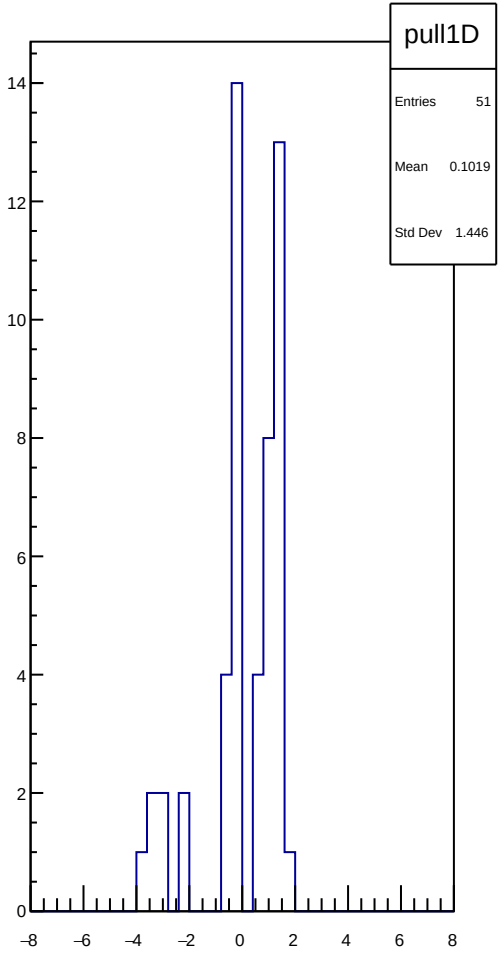

pull1D
Entries 51
Mean −0.02185
Std Dev 0.4696

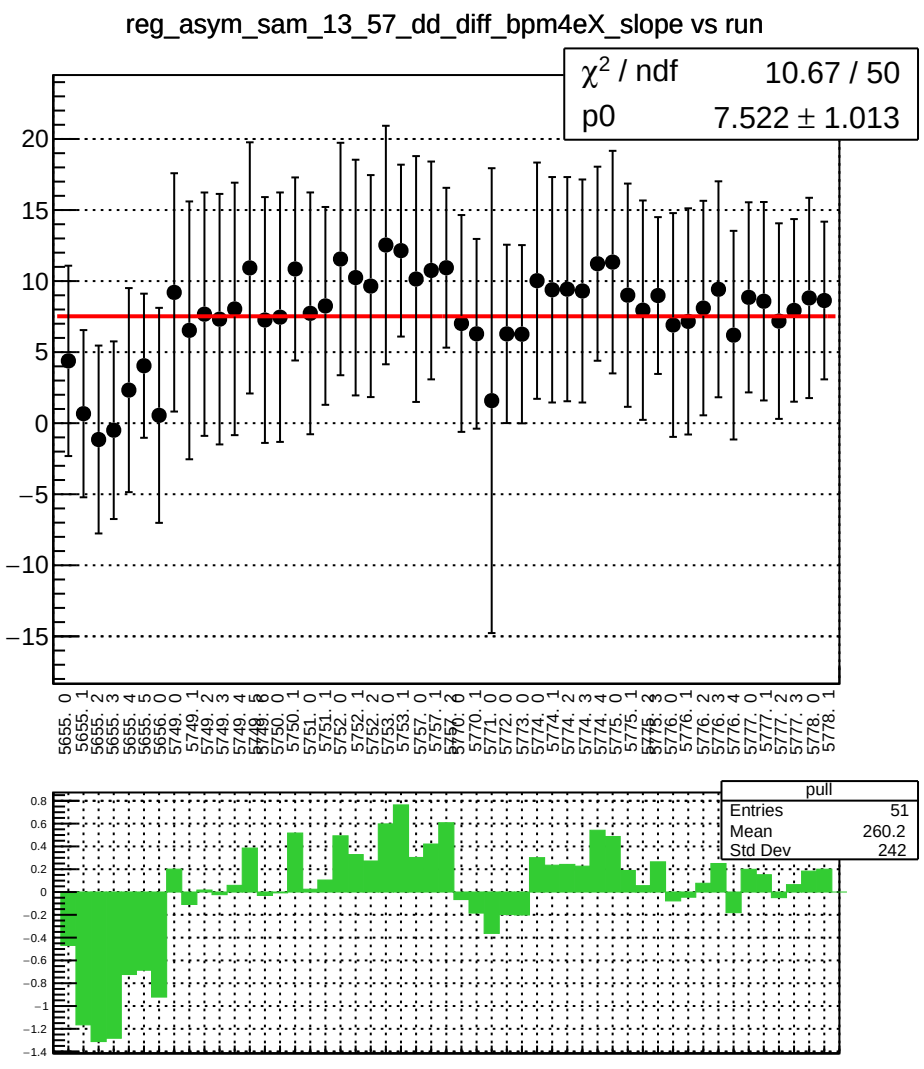

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 31.33 / 50
p0 −0.4165 ± 0.08182
pull
Entries 51
Mean −793.6
Std Dev 815.1

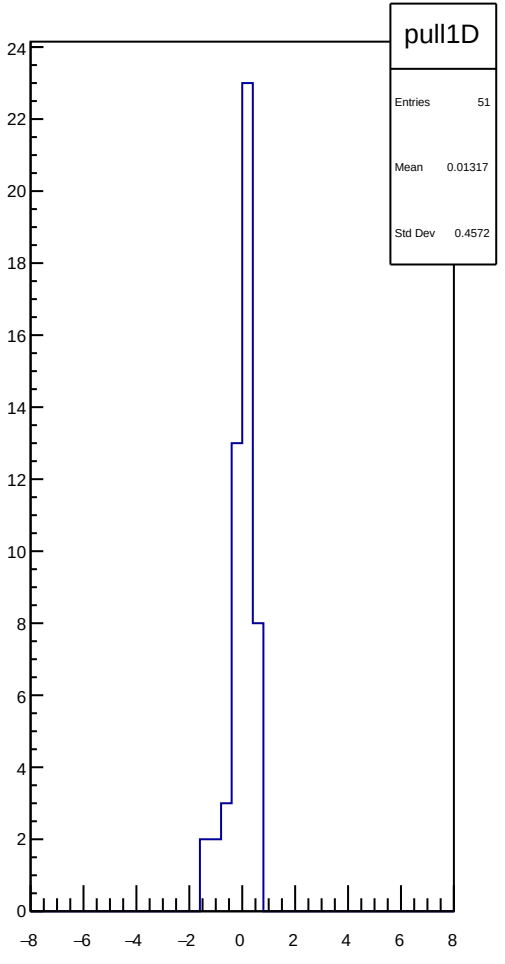

pull1D
Entries 51
Mean −0.009729
Std Dev 0.7837

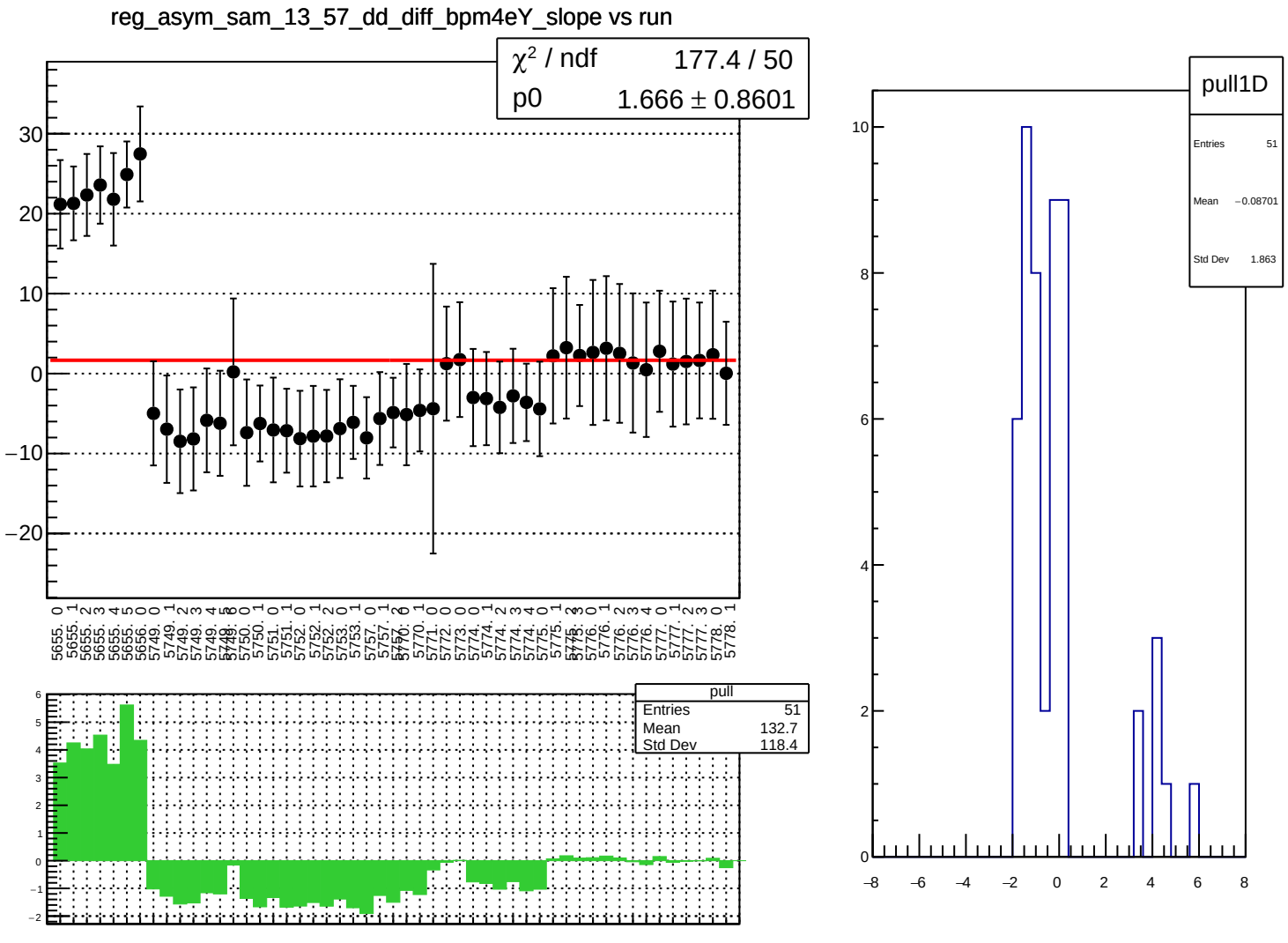

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.24 / 50
p0 −27.94 ± 0.8046
pull
Entries 51
Mean −165.9
Std Dev 185.3
pull1D
Entries 51
Mean 0.02103
Std Dev 0.4476

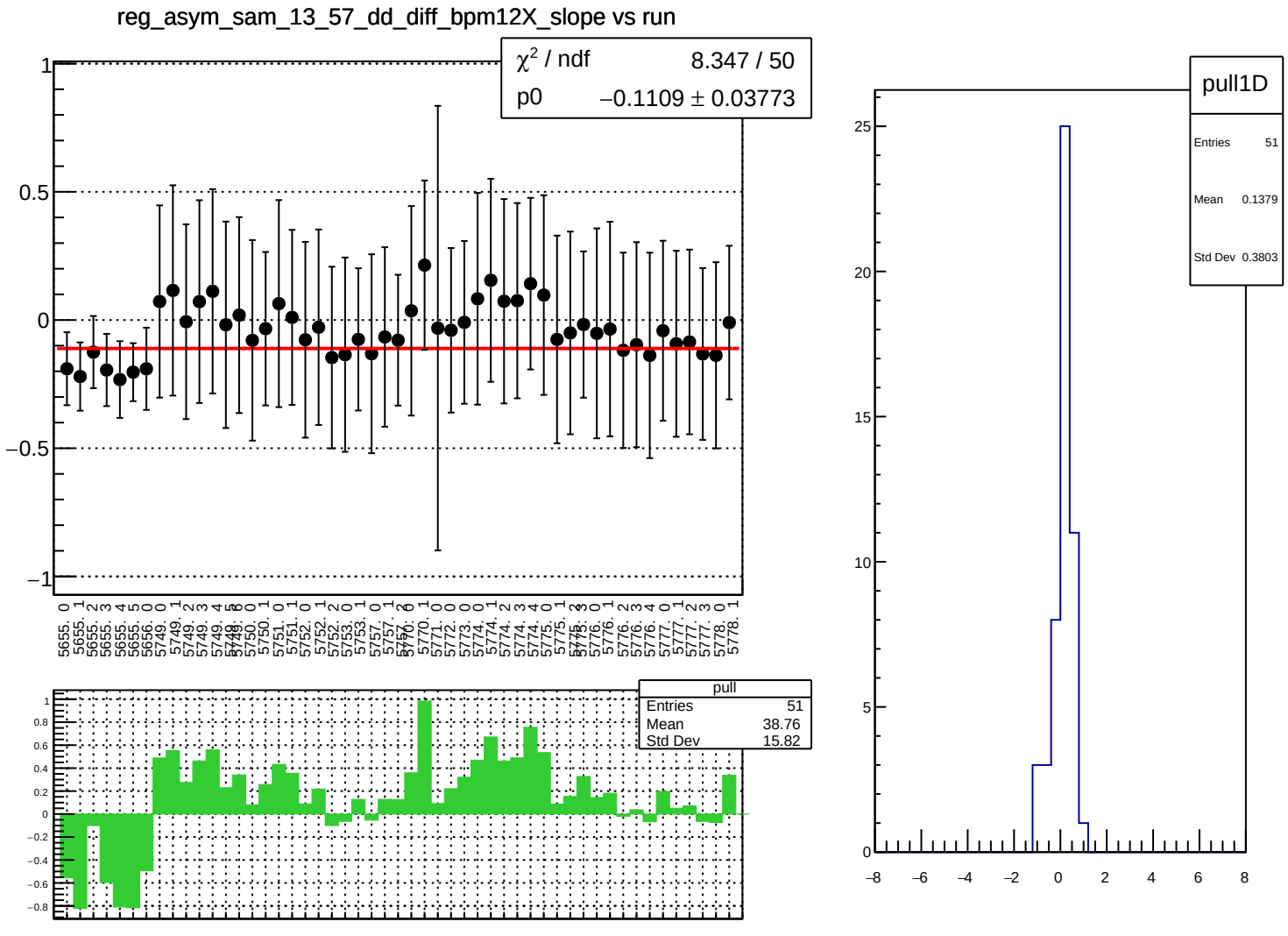

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 107.2 / 50
p0 −37.63 ± 0.7874
pull
Entries 51
Mean 66.86
Std Dev 58.14

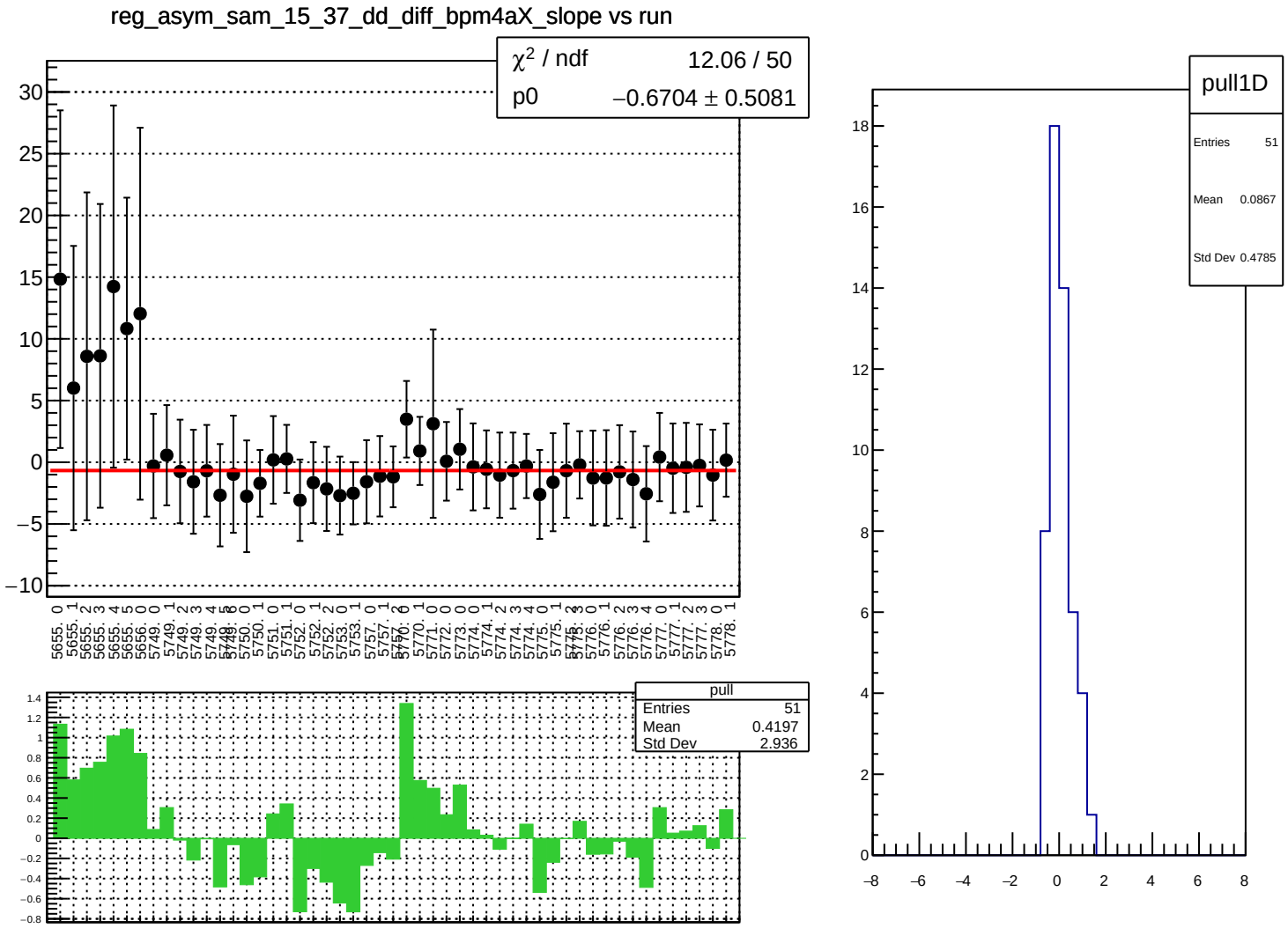

pull1D
Entries 51
Mean 0.1019
Std Dev 1.446

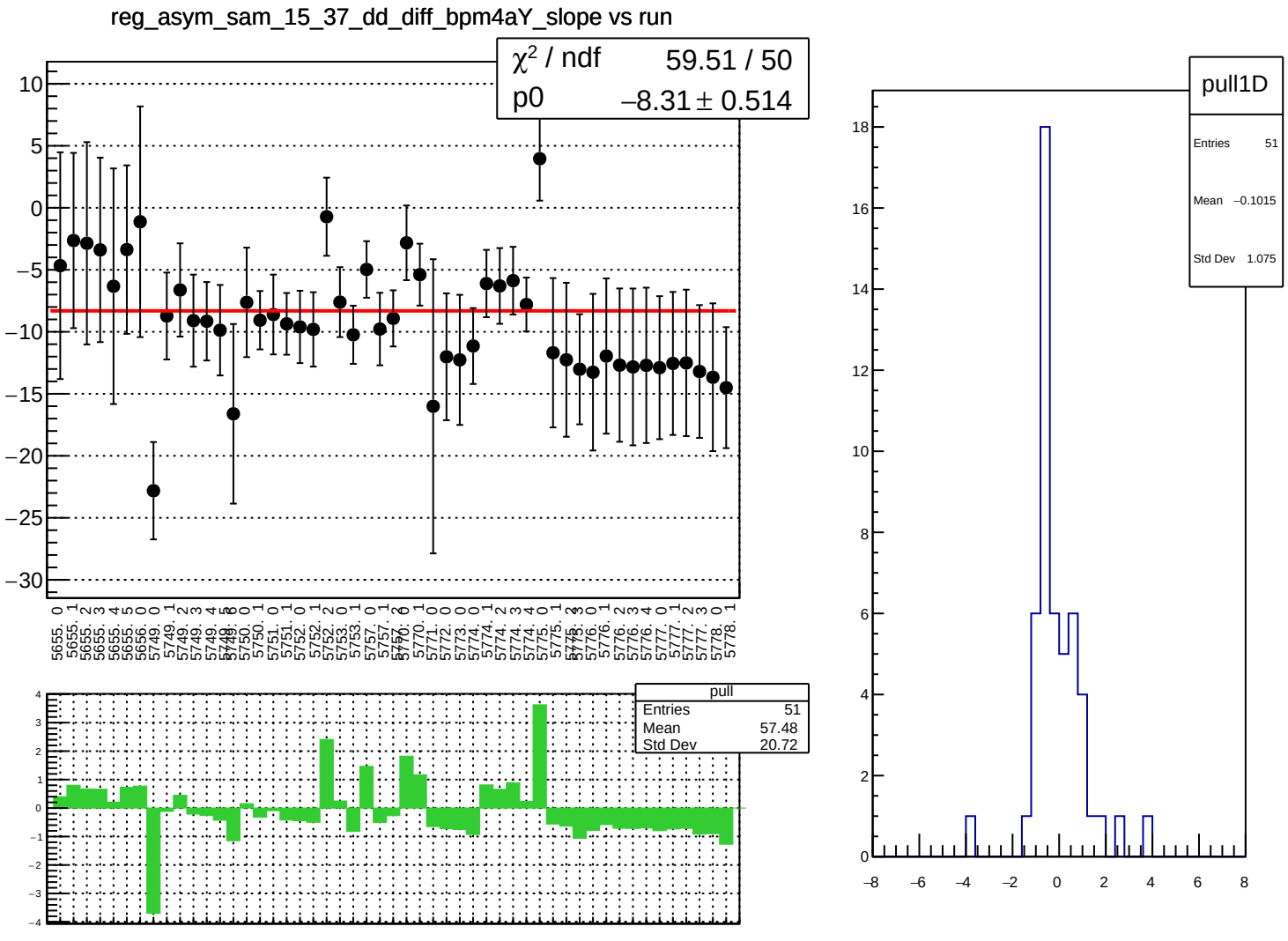

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.67 / 50
p0 7.522 ± 1.013
pull
Entries 51
Mean 260.2
Std Dev 242

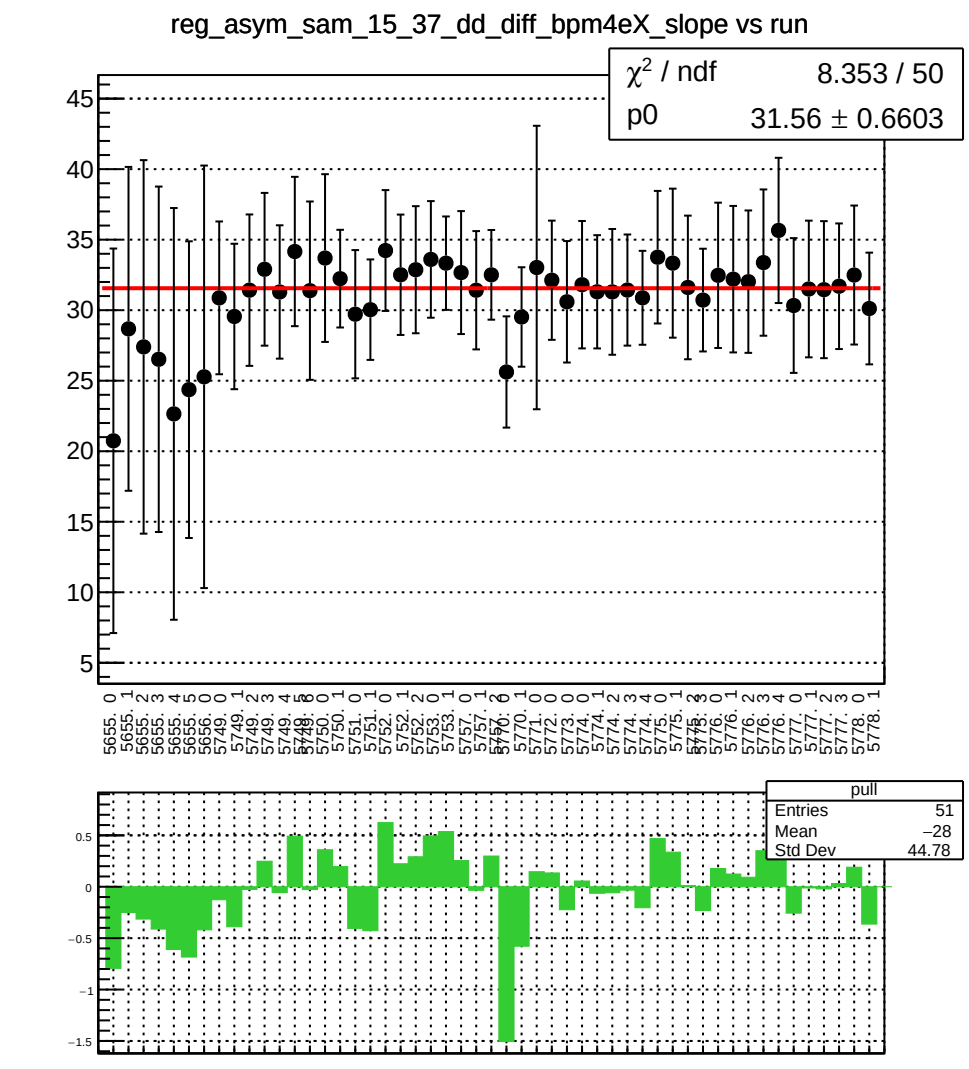

pull1D
Entries 51
Mean 0.01317
Std Dev 0.4572

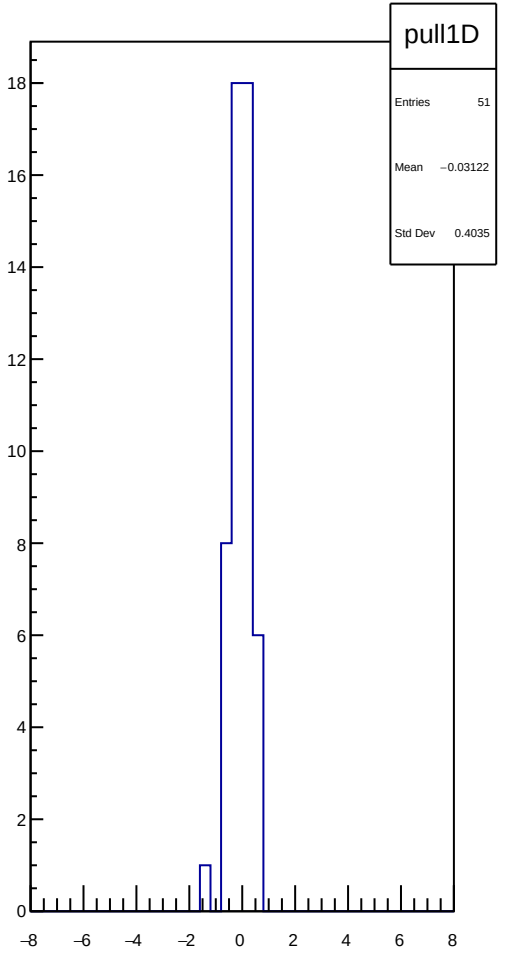

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 177.4 / 50
p0 1.666 ± 0.8601
pull
Entries 51
Mean 132.7
Std Dev 118.4
pull1D
Entries 51
Mean −0.08701
Std Dev 1.863

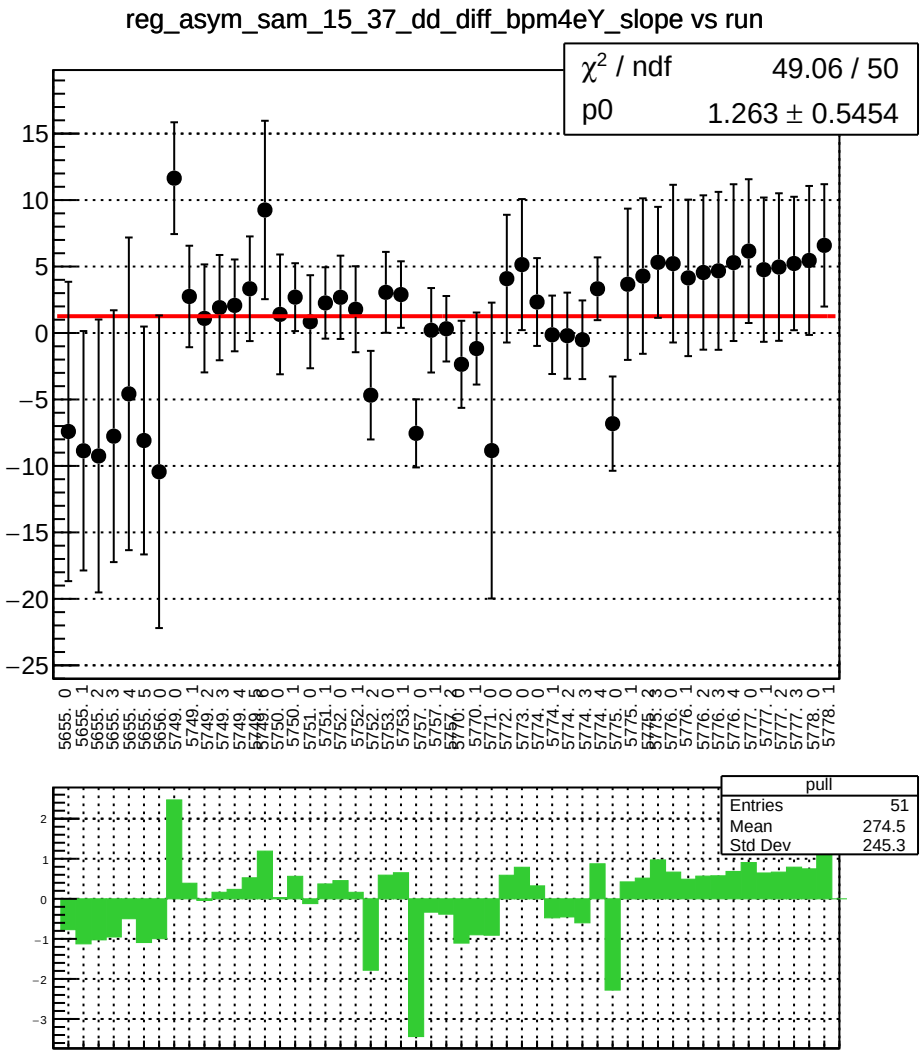

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 8.347 / 50
p0 −0.1109 ± 0.03773
pull
Entries 51
Mean 38.76
Std Dev 15.82
pull1D
Entries 51
Mean 0.1379
Std Dev 0.3803

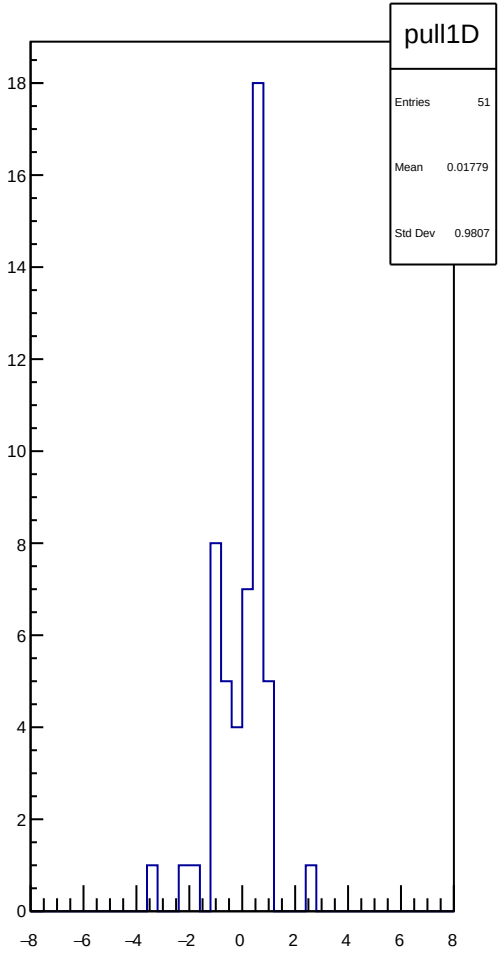

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.06 / 50
p0 −0.6704 ± 0.5081
pull
Entries 51
Mean 0.4197
Std Dev 2.936
pull1D
Entries 51
Mean 0.0867
Std Dev 0.4785

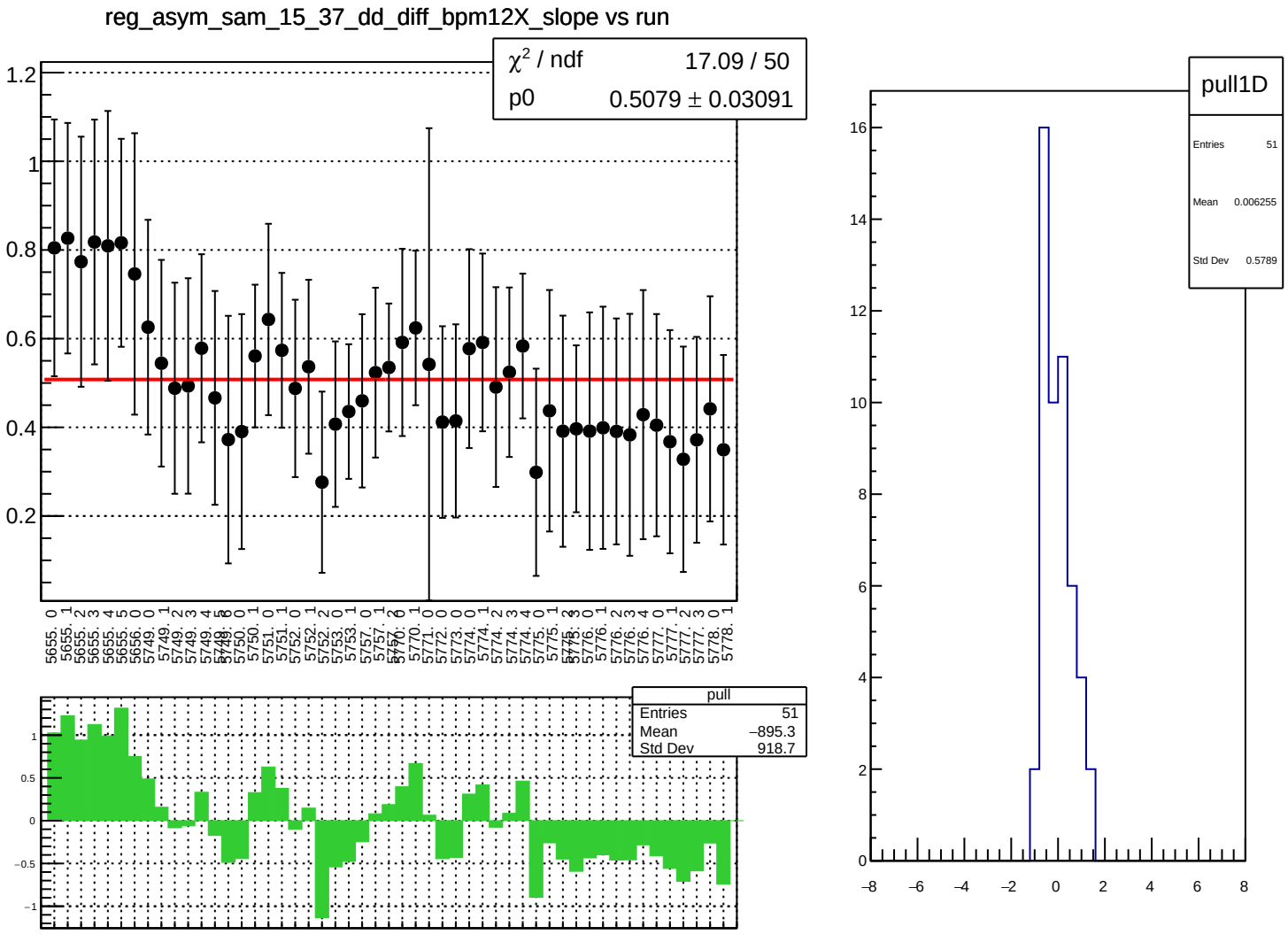

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.51 / 50
p0 −8.31 ± 0.514
pull
Entries 51
Mean 57.48
Std Dev 20.72
pull1D
Entries 51
Mean −0.1015
Std Dev 1.075

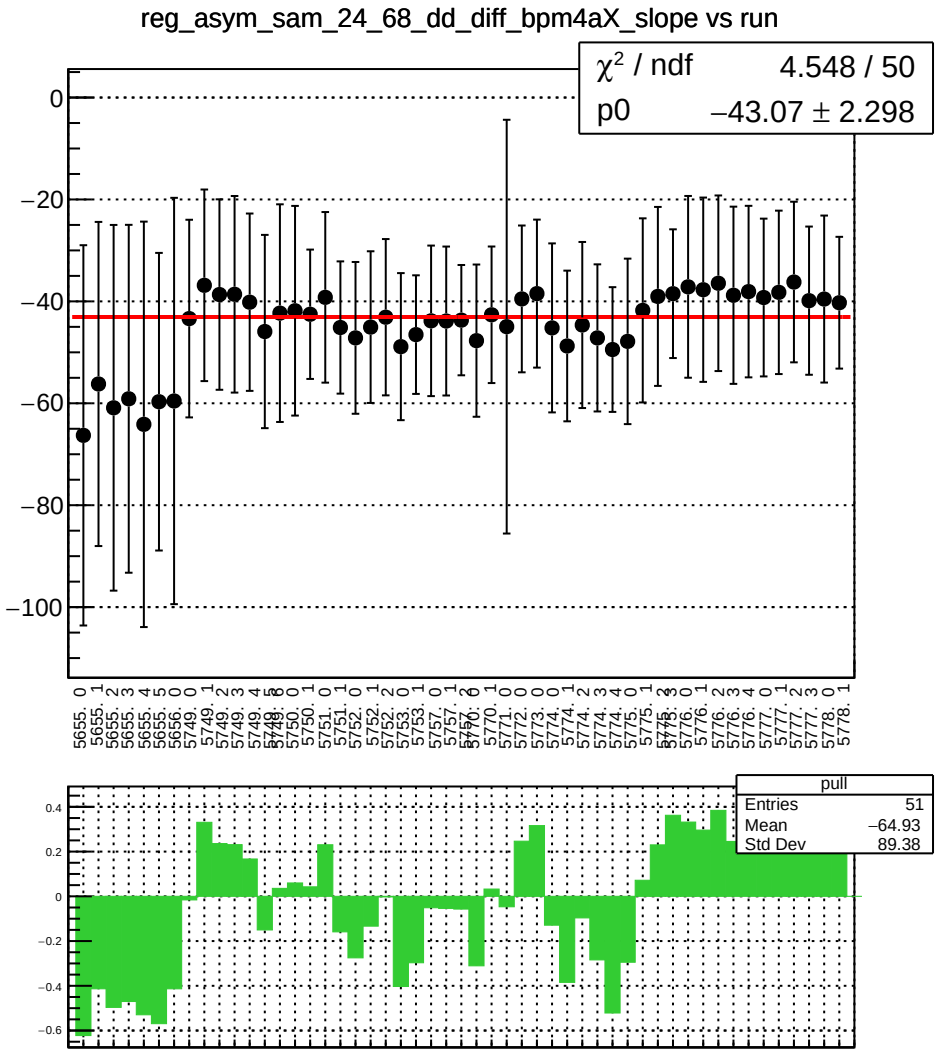

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.353 / 50
p0 31.56 ± 0.6603
pull
Entries 51
Mean −28
Std Dev 44.78

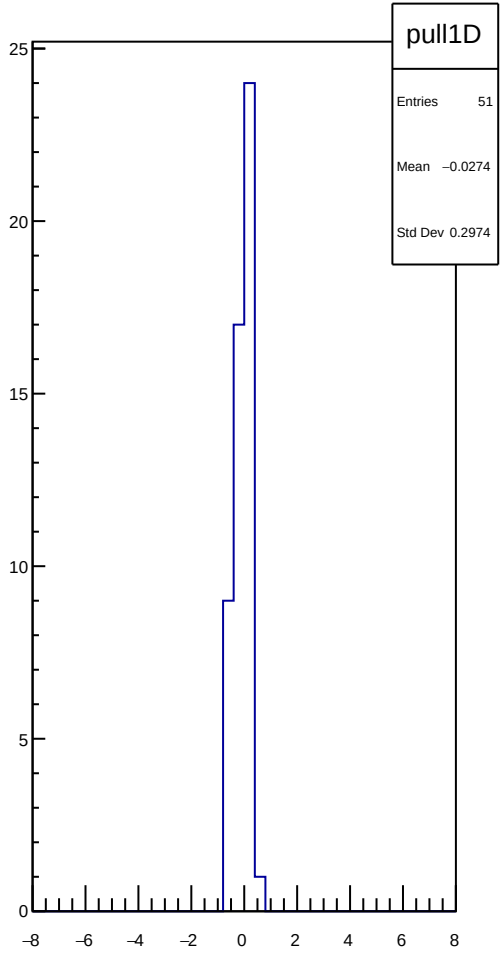

pull1D
Entries 51
Mean −0.03122
Std Dev 0.4035

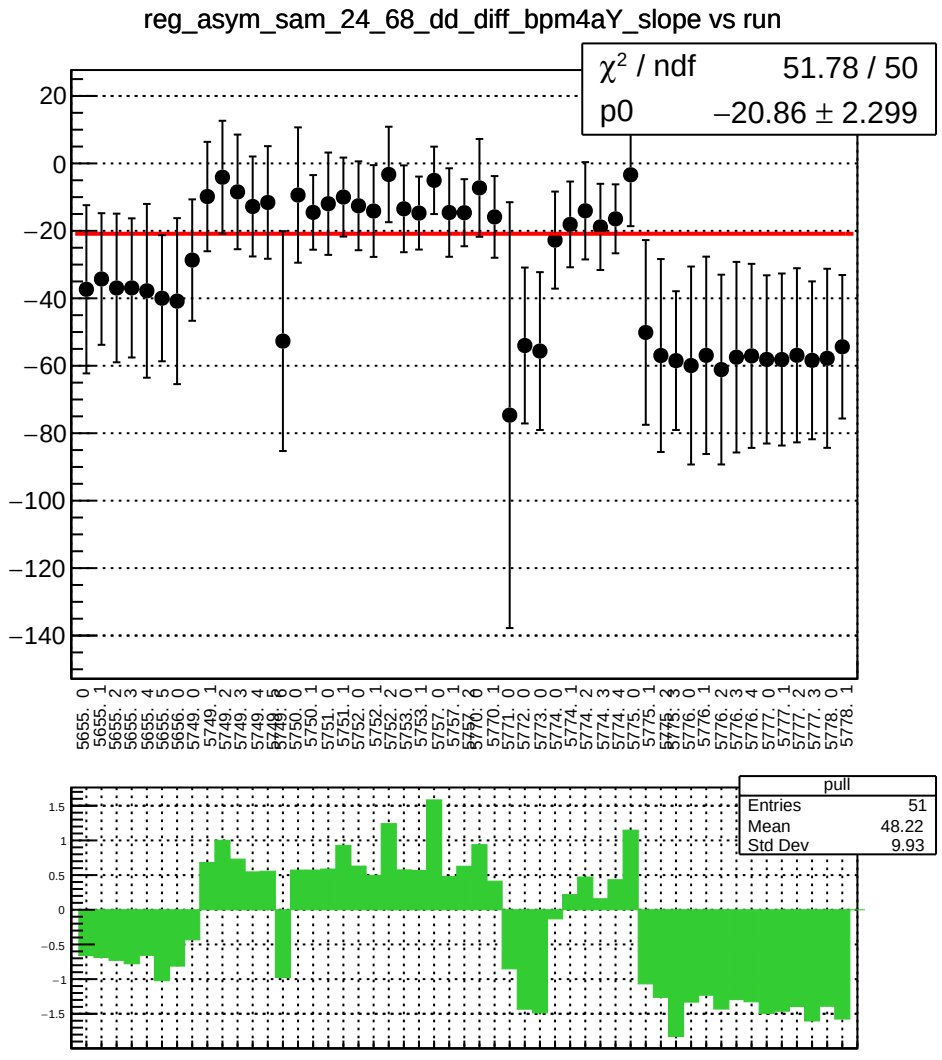

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.06 / 50
p0 1.263 ± 0.5454
pull
Entries 51
Mean 274.5
Std Dev 245.3

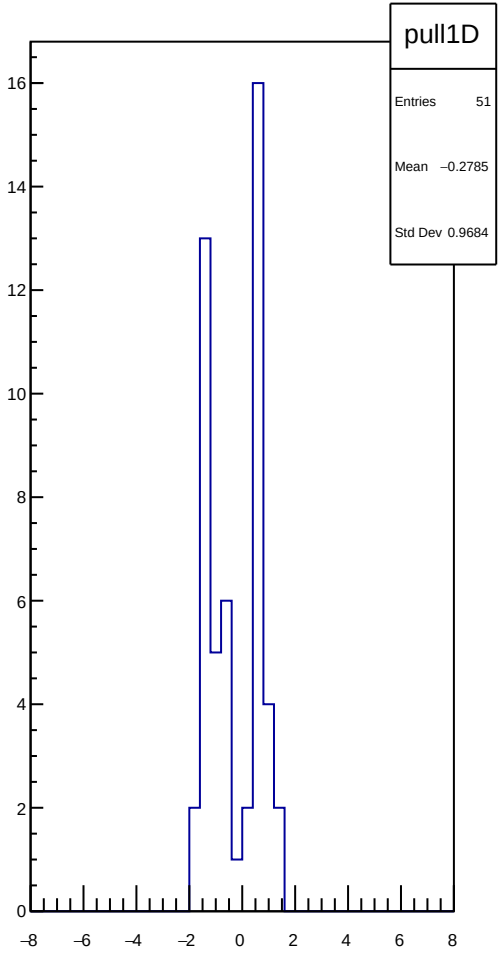

pull1D
Entries 51
Mean 0.01779
Std Dev 0.9807

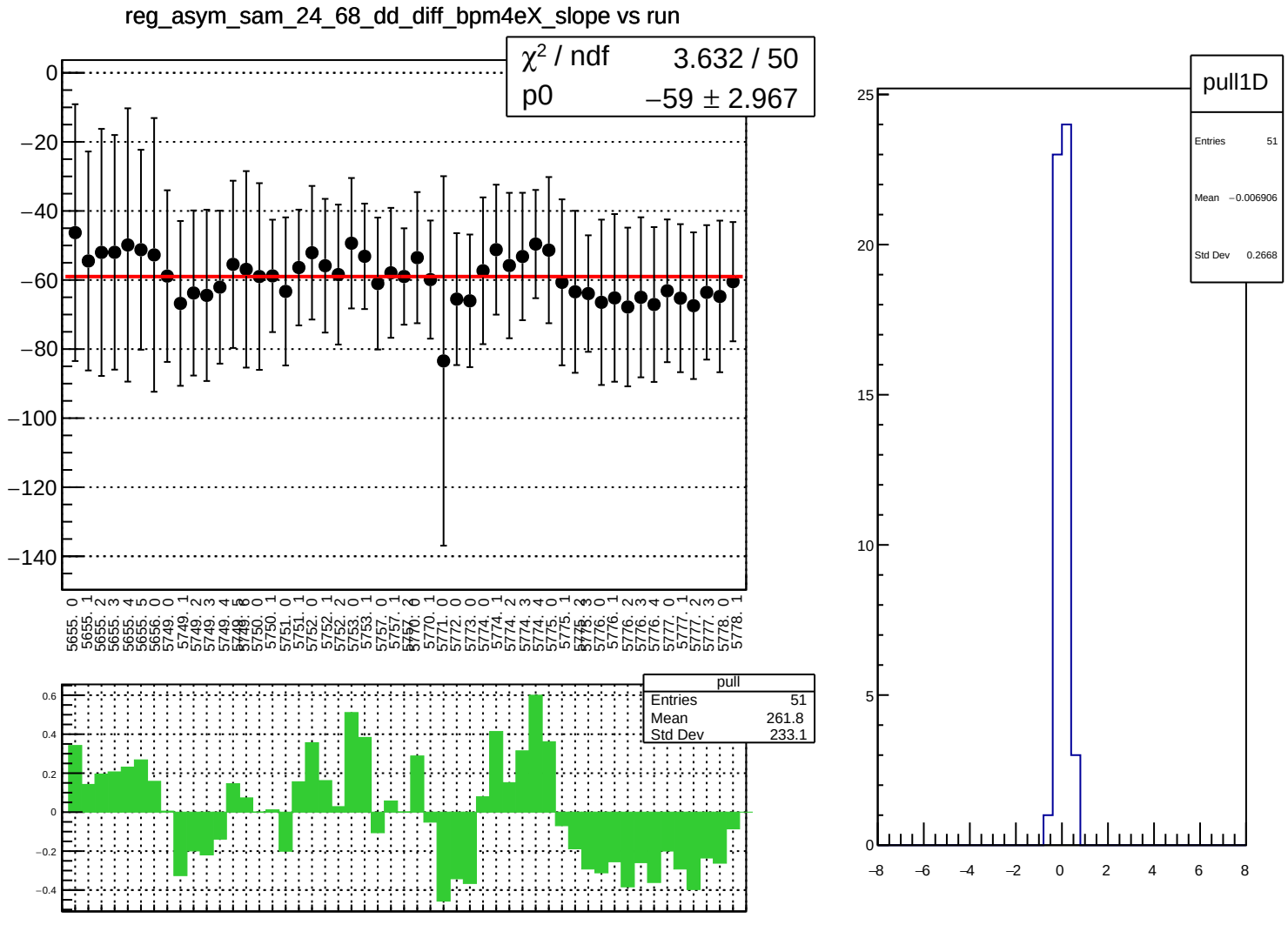

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.09 / 50
p0 0.5079 ± 0.03091
pull
Entries 51
Mean −895.3
Std Dev 918.7
pull1D
Entries 51
Mean 0.006255
Std Dev 0.5789

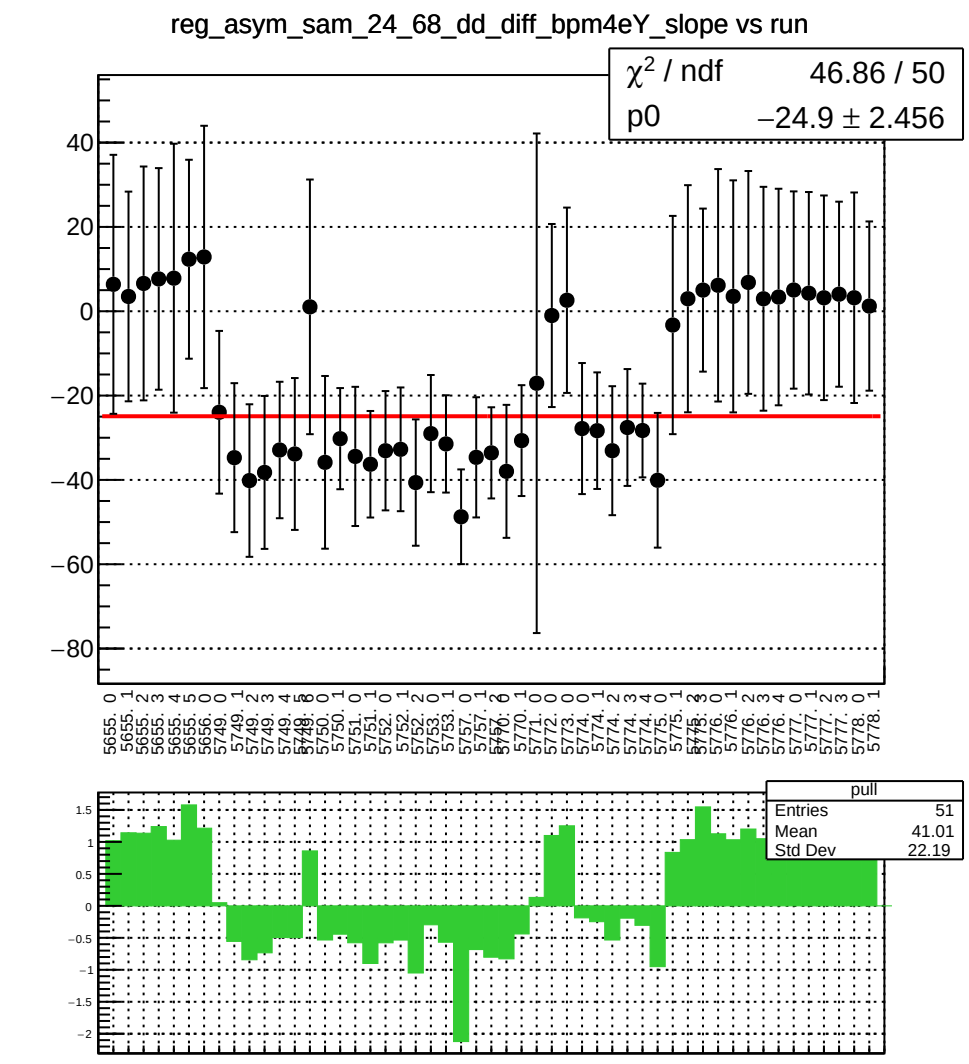

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.548 / 50
p0 −43.07 ± 2.298
pull
Entries 51
Mean −64.93
Std Dev 89.38

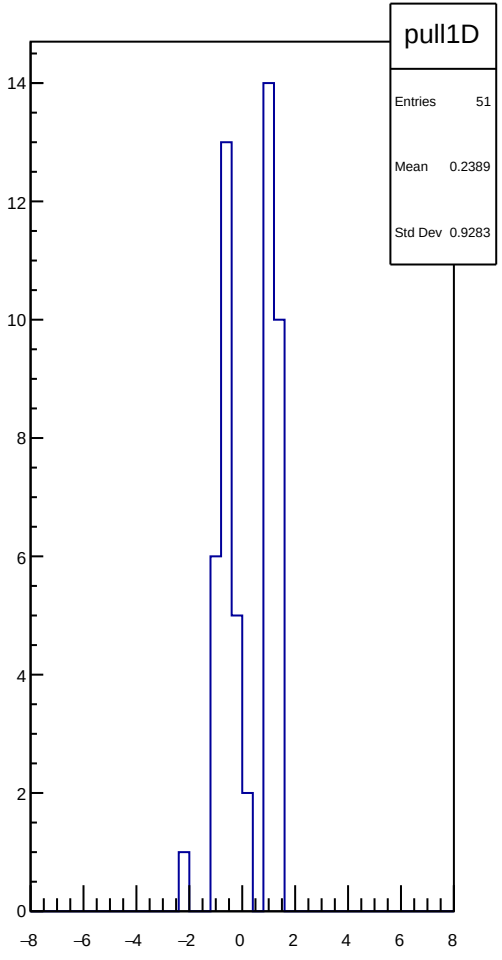

pull1D
Entries 51
Mean −0.0274
Std Dev 0.2974

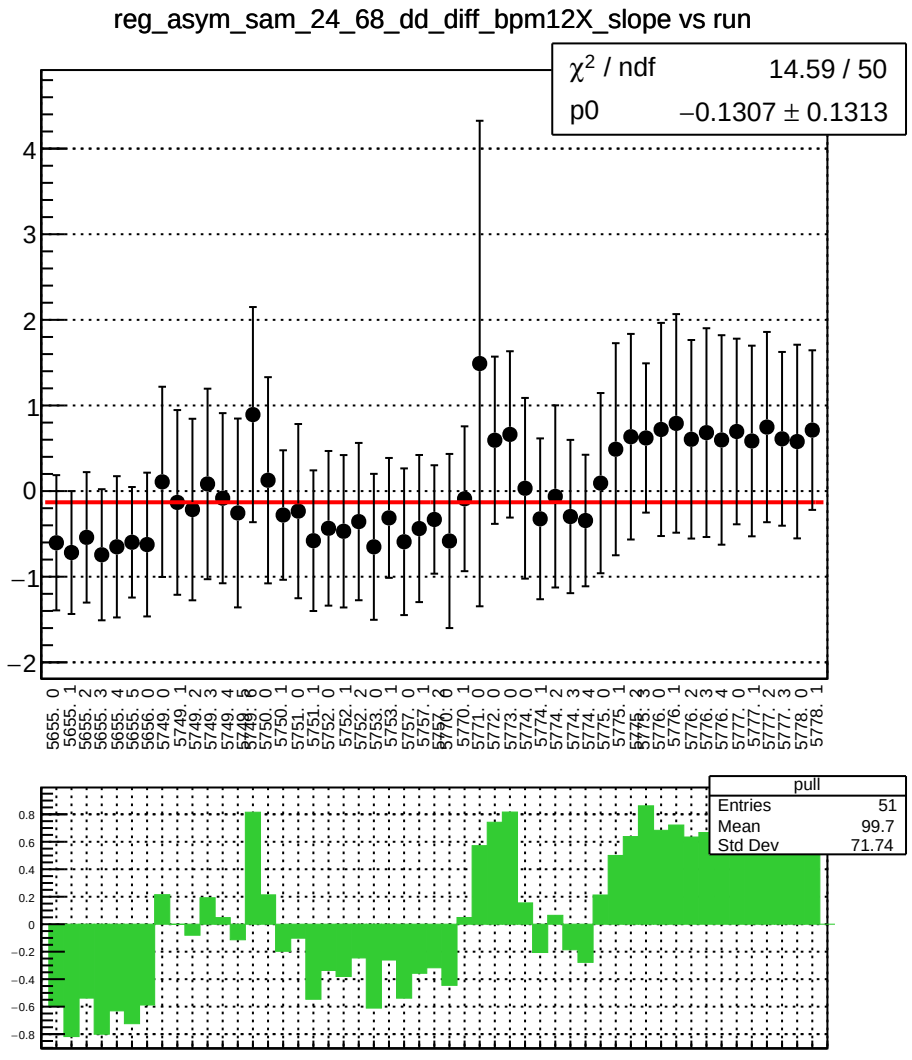

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.78 / 50
p0 −20.86 ± 2.299
pull
Entries 51
Mean 48.22
Std Dev 9.93

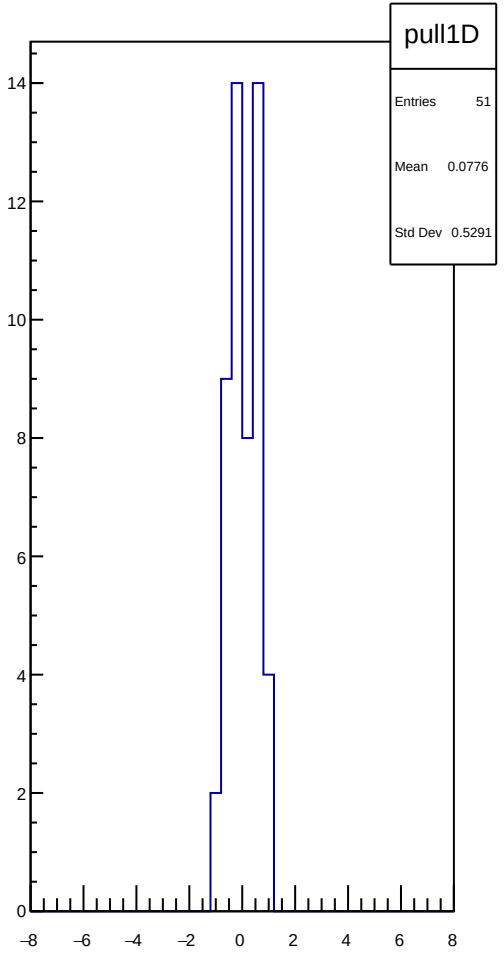

pull1D
Entries 51
Mean −0.2785
Std Dev 0.9684

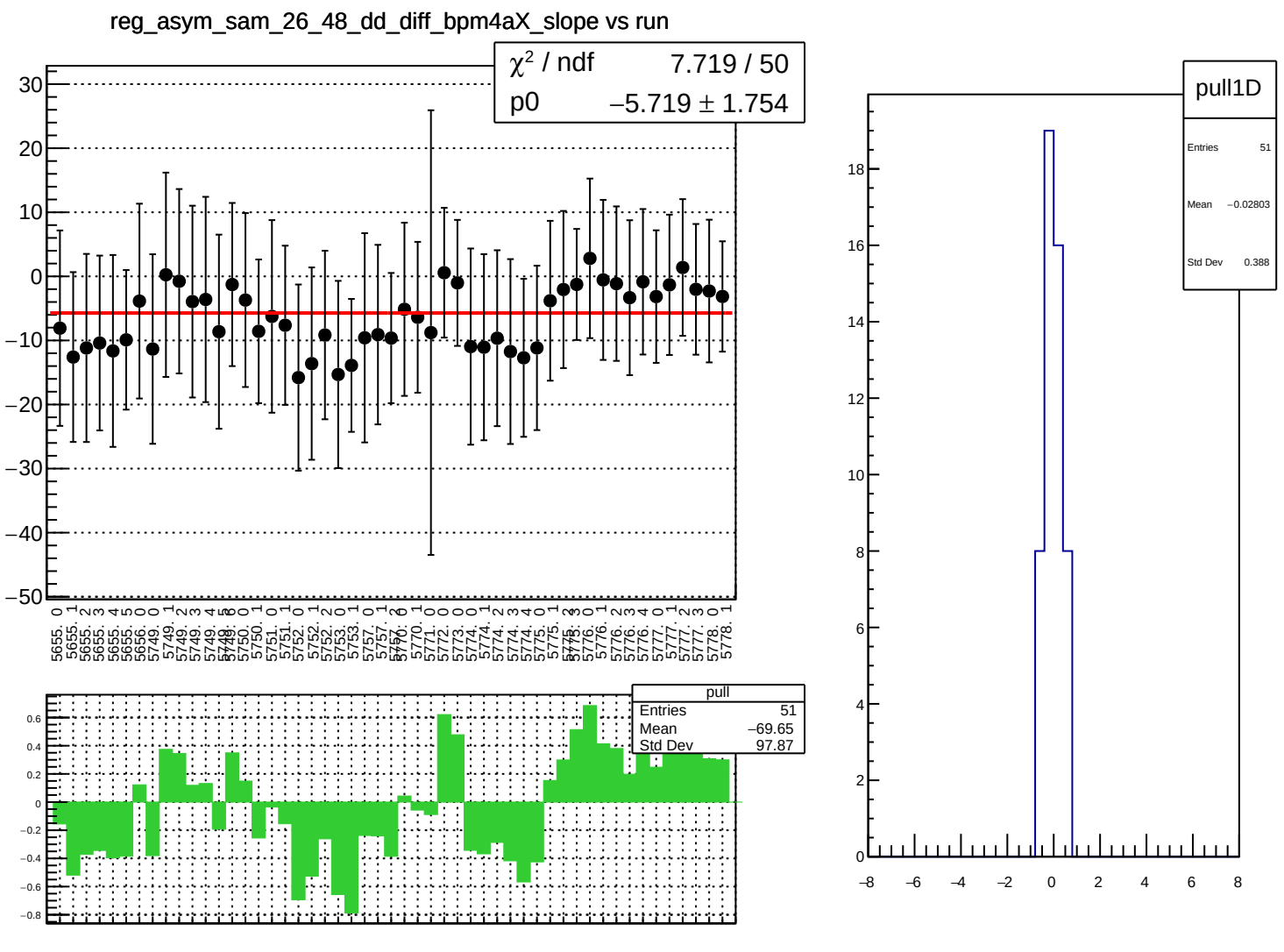

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.632 / 50
p0 −59 ± 2.967
pull
Entries 51
Mean 261.8
Std Dev 233.1
pull1D
Entries 51
Mean −0.006906
Std Dev 0.2668

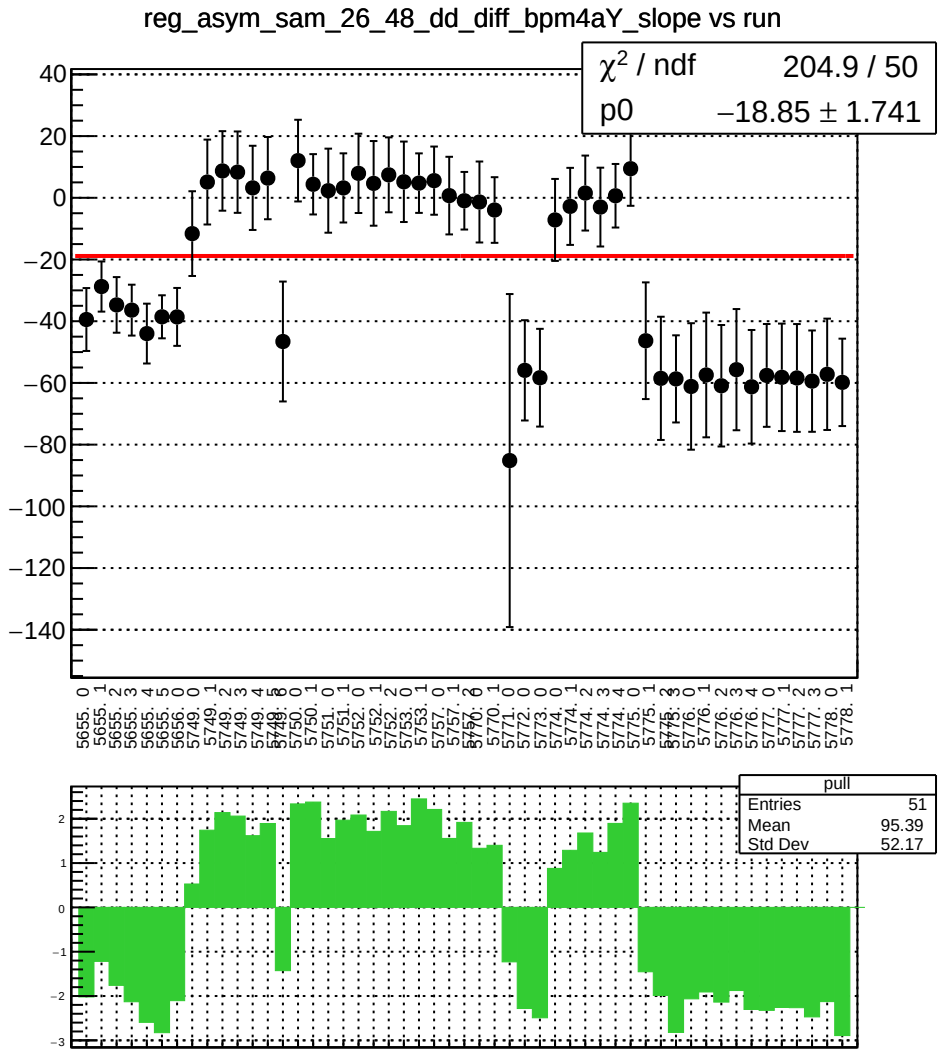

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.86 / 50
p0 −24.9 ± 2.456
pull
Entries 51
Mean 41.01
Std Dev 22.19

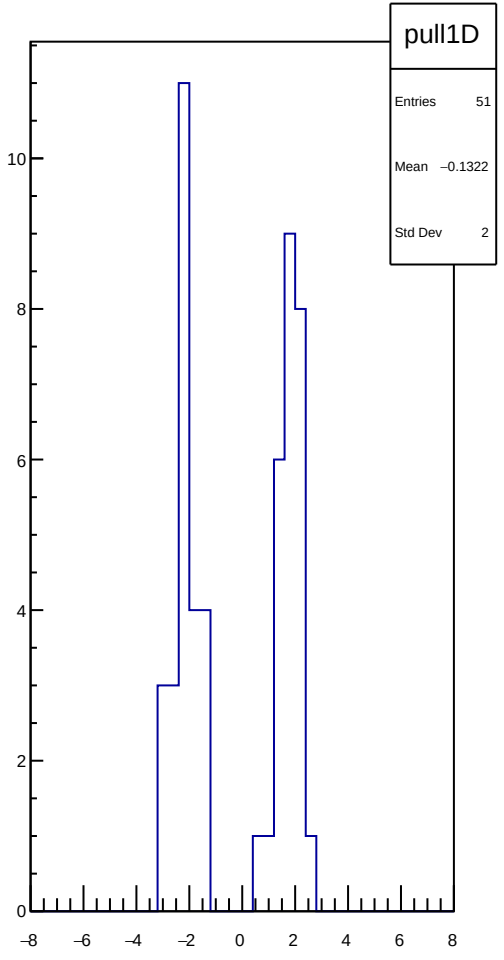

pull1D
Entries 51
Mean 0.2389
Std Dev 0.9283

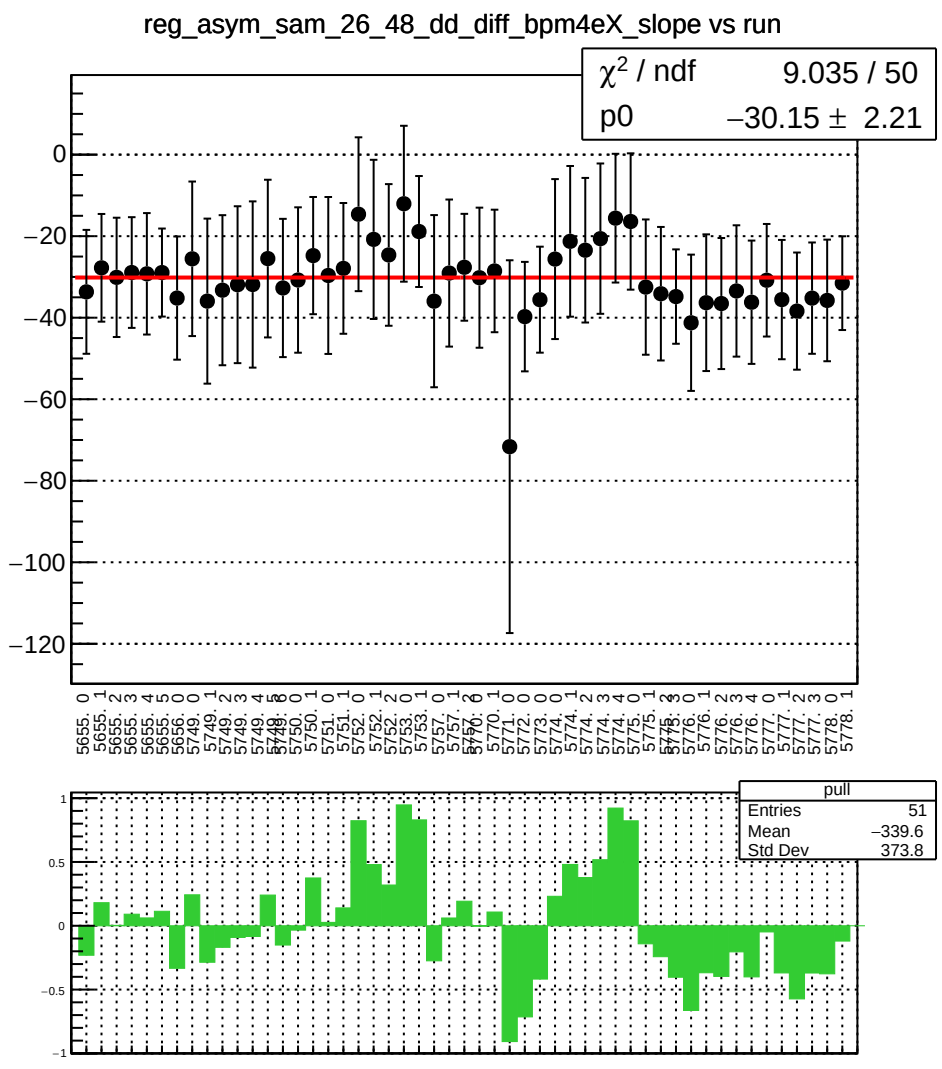

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 14.59 / 50
p0 −0.1307 ± 0.1313
pull
Entries 51
Mean 99.7
Std Dev 71.74

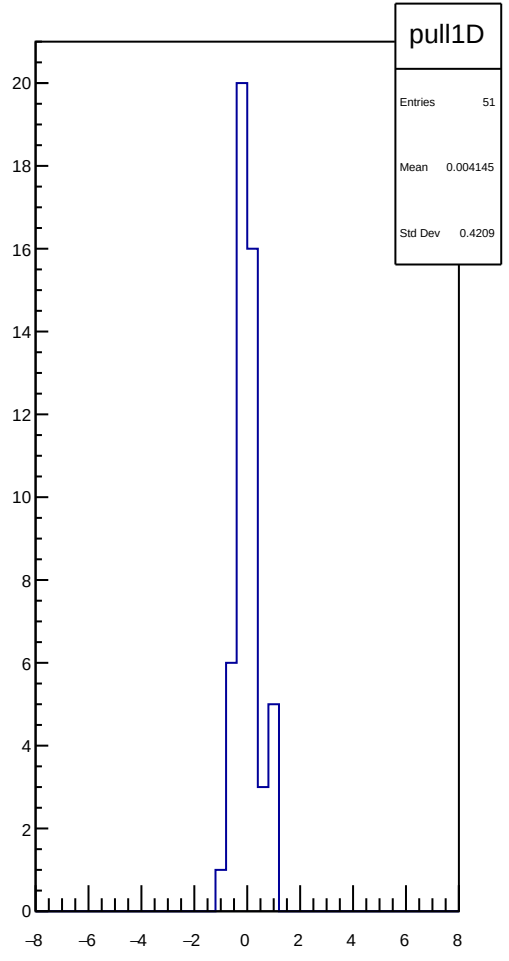

pull1D
Entries 51
Mean 0.0776
Std Dev 0.5291

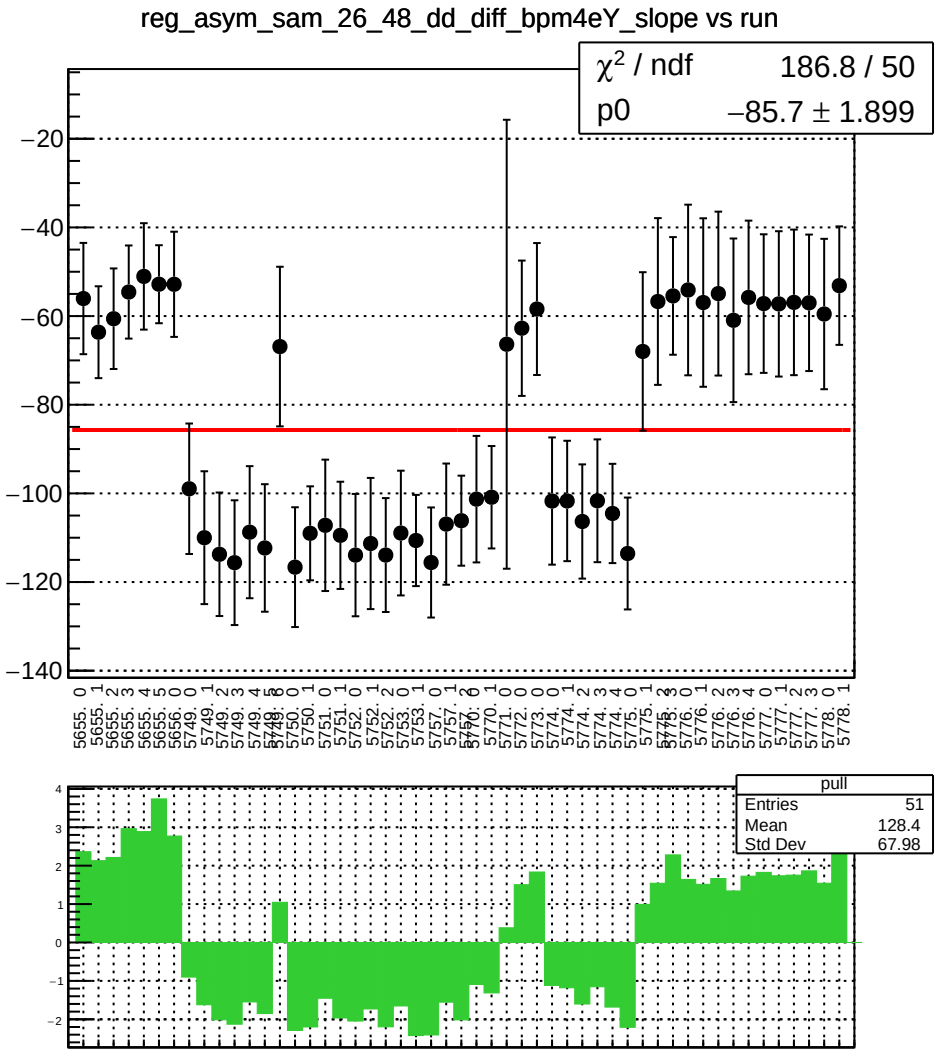

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.719 / 50
p0 −5.719 ± 1.754
pull
Entries 51
Mean −69.65
Std Dev 97.87
pull1D
Entries 51
Mean −0.02803
Std Dev 0.388

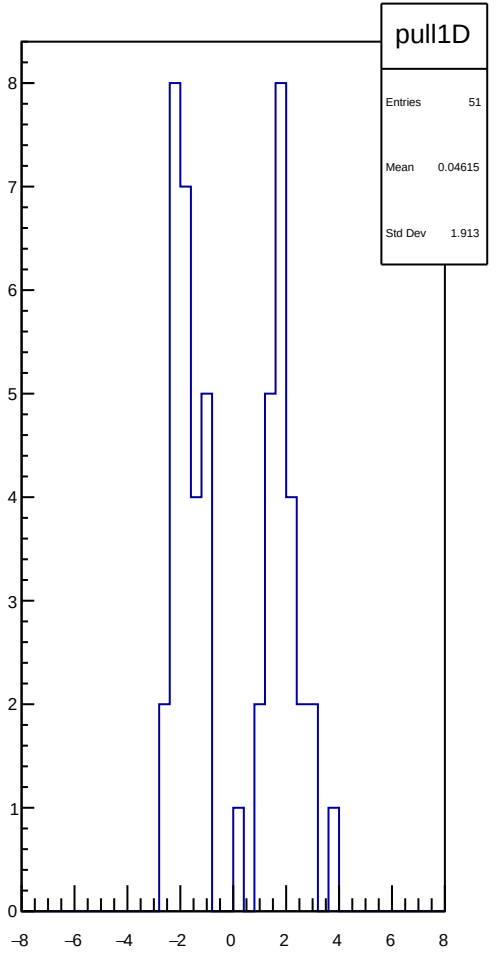

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 204.9 / 50
p0 −18.85 ± 1.741
pull
Entries 51
Mean 95.39
Std Dev 52.17

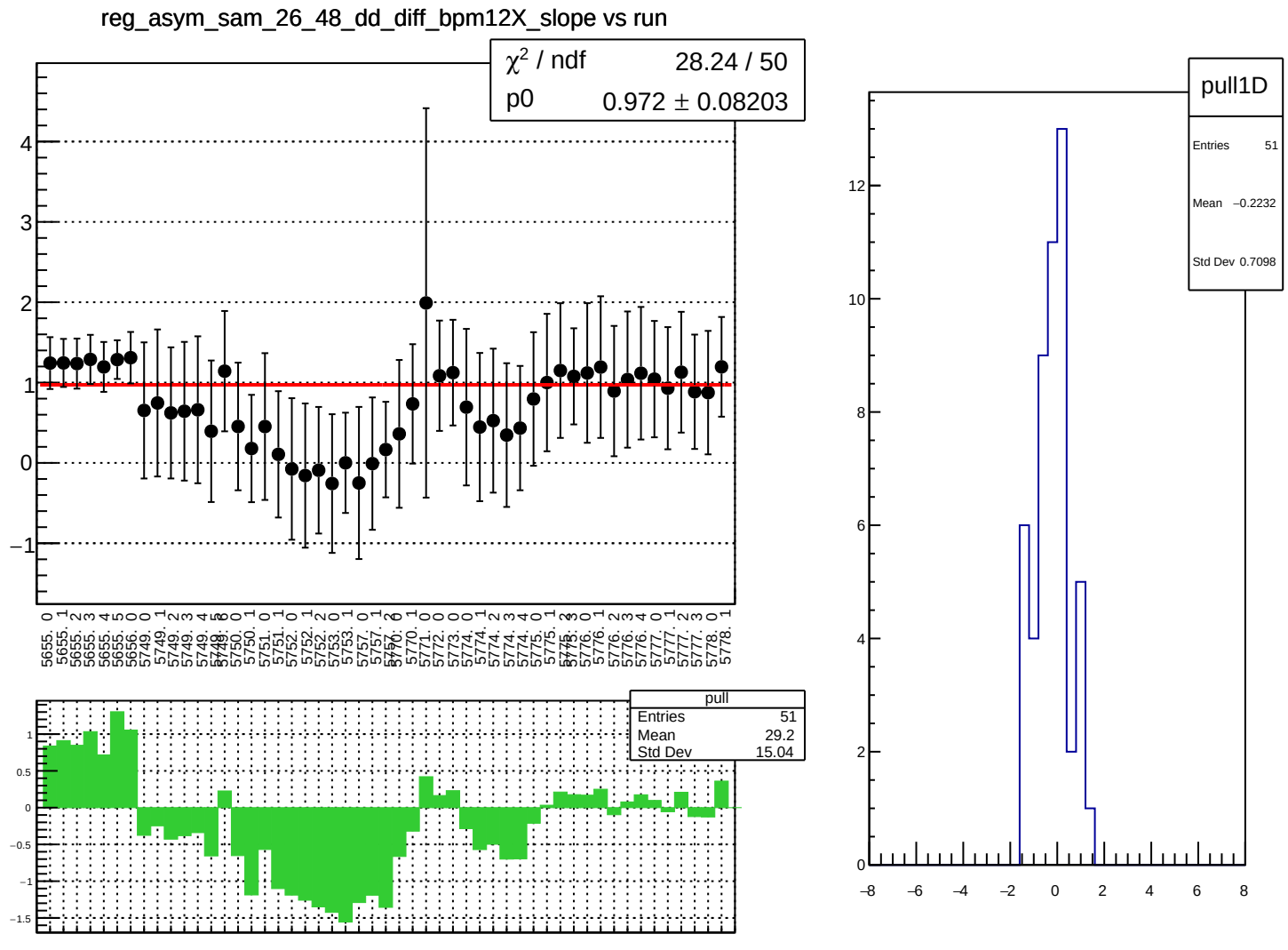

pull1D
Entries 51
Mean −0.1322
Std Dev 2

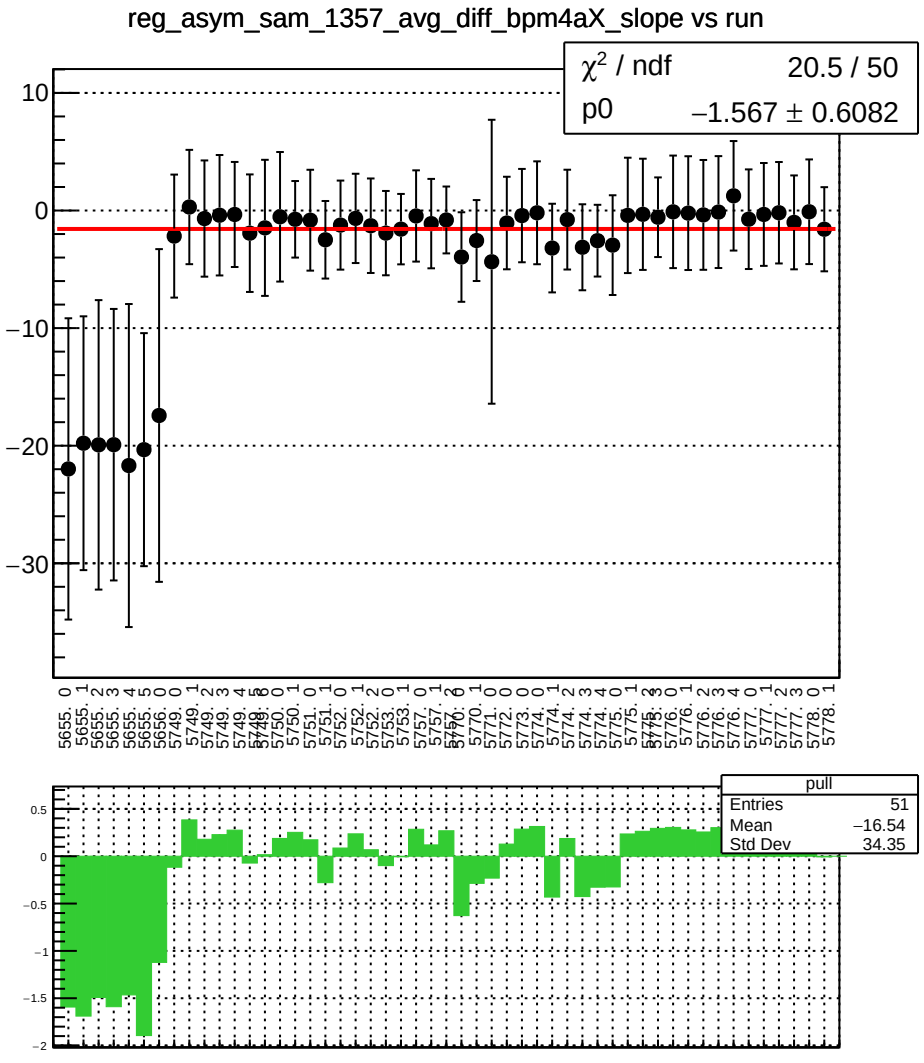

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.035 / 50
p0 −30.15 ± 2.21
pull
Entries 51
Mean −339.6
Std Dev 373.8

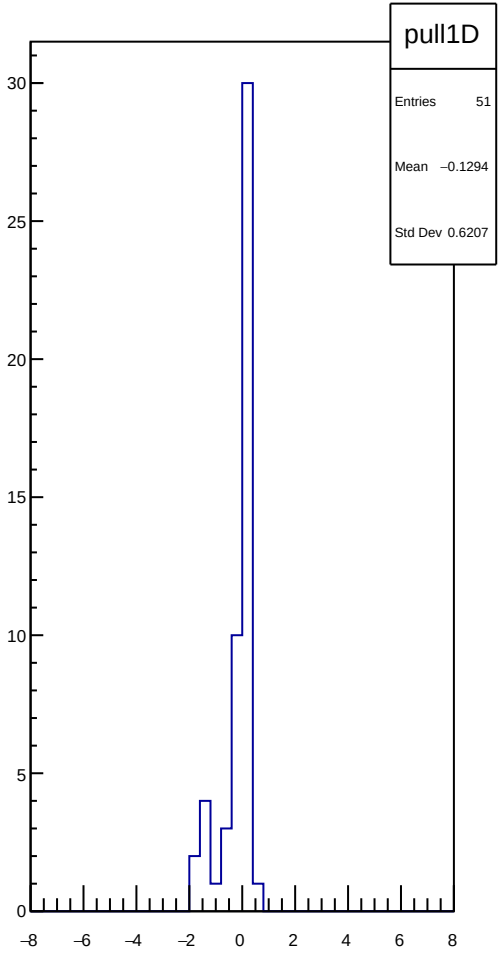

pull1D
Entries 51
Mean 0.004145
Std Dev 0.4209

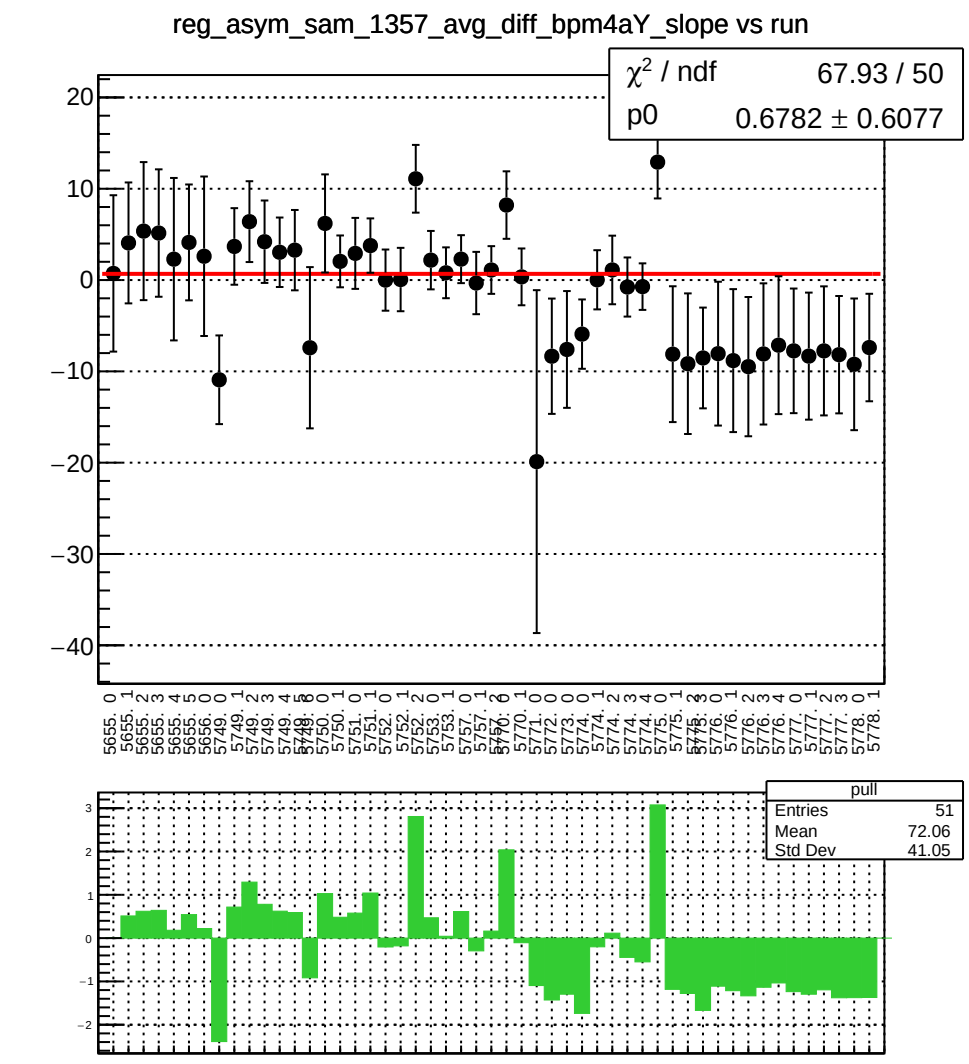

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 186.8 / 50
p0 −85.7 ± 1.899
pull
Entries 51
Mean 128.4
Std Dev 67.98

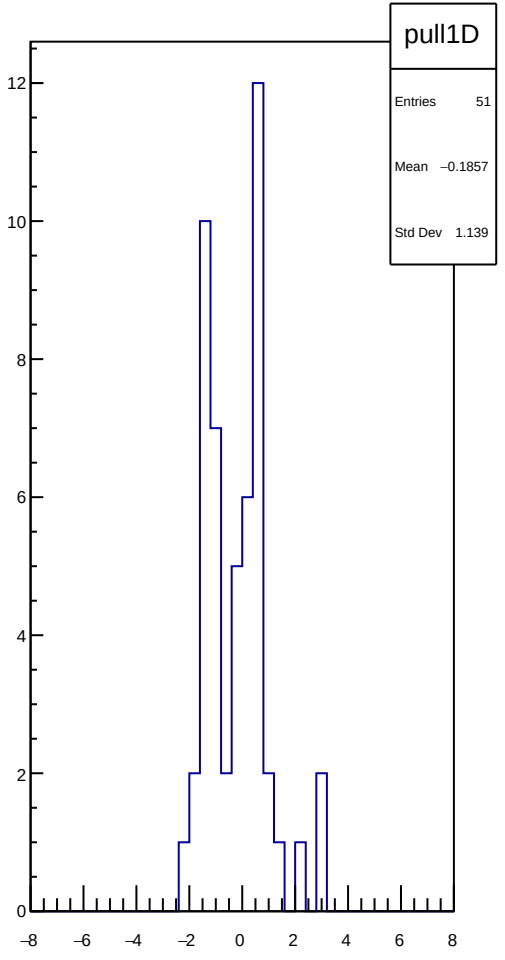

pull1D
Entries 51
Mean 0.04615
Std Dev 1.913

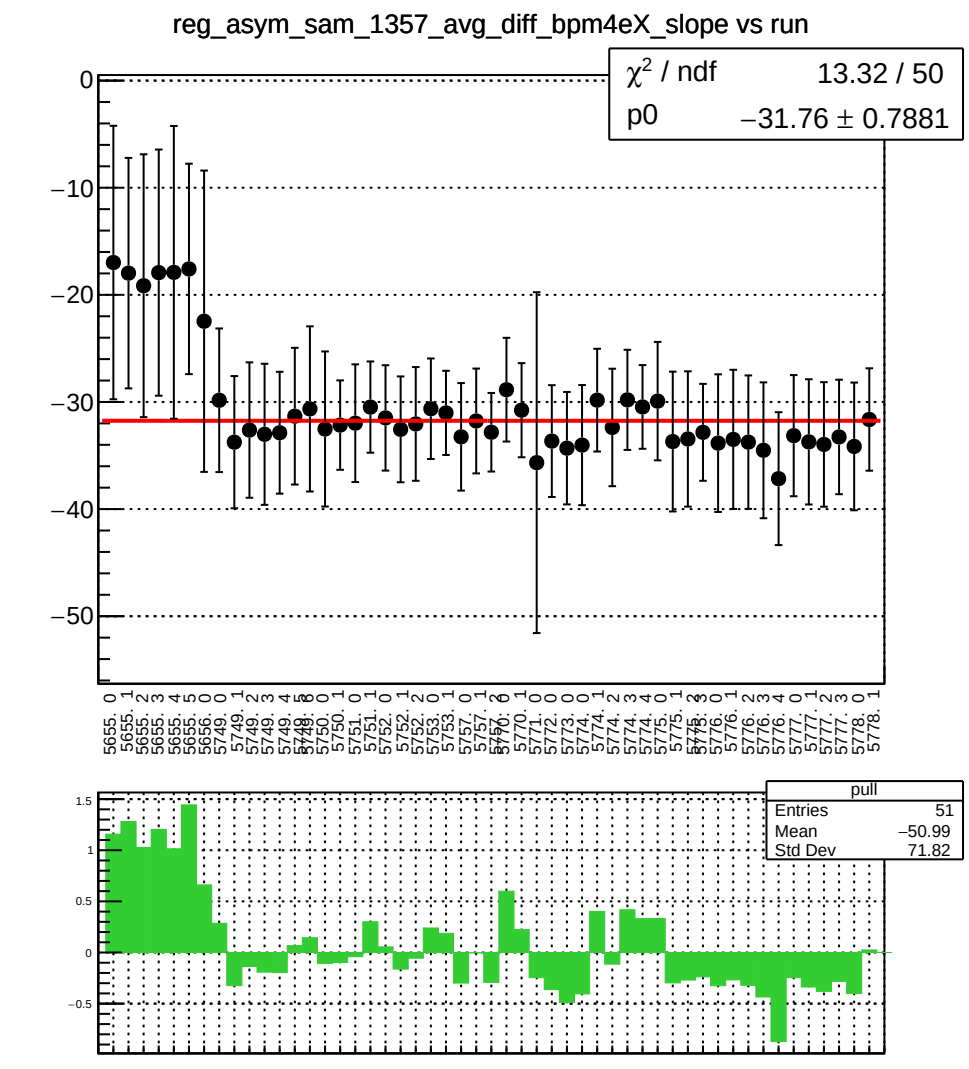

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 28.24 / 50
p0 0.972 ± 0.08203
pull
Entries 51
Mean 29.2
Std Dev 15.04
pull1D
Entries 51
Mean −0.2232
Std Dev 0.7098

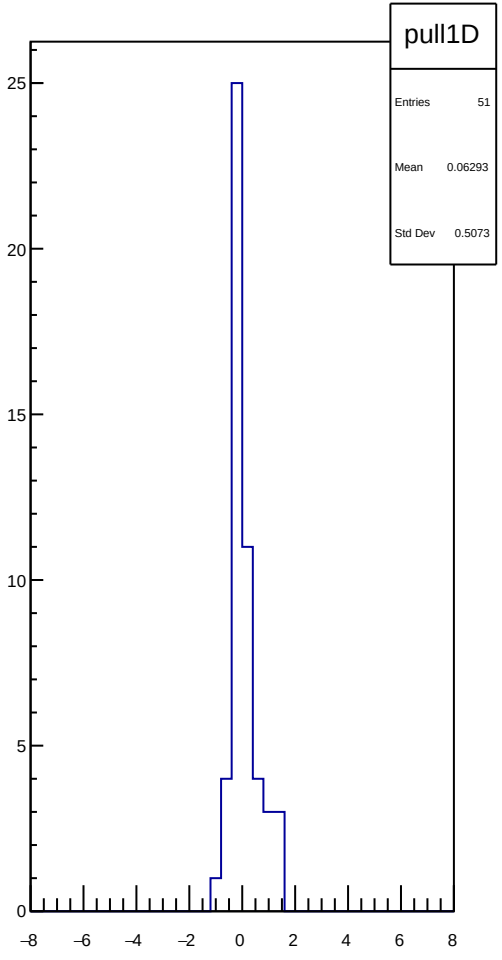

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.5 / 50
p0 −1.567 ± 0.6082
pull
Entries 51
Mean −16.54
Std Dev 34.35

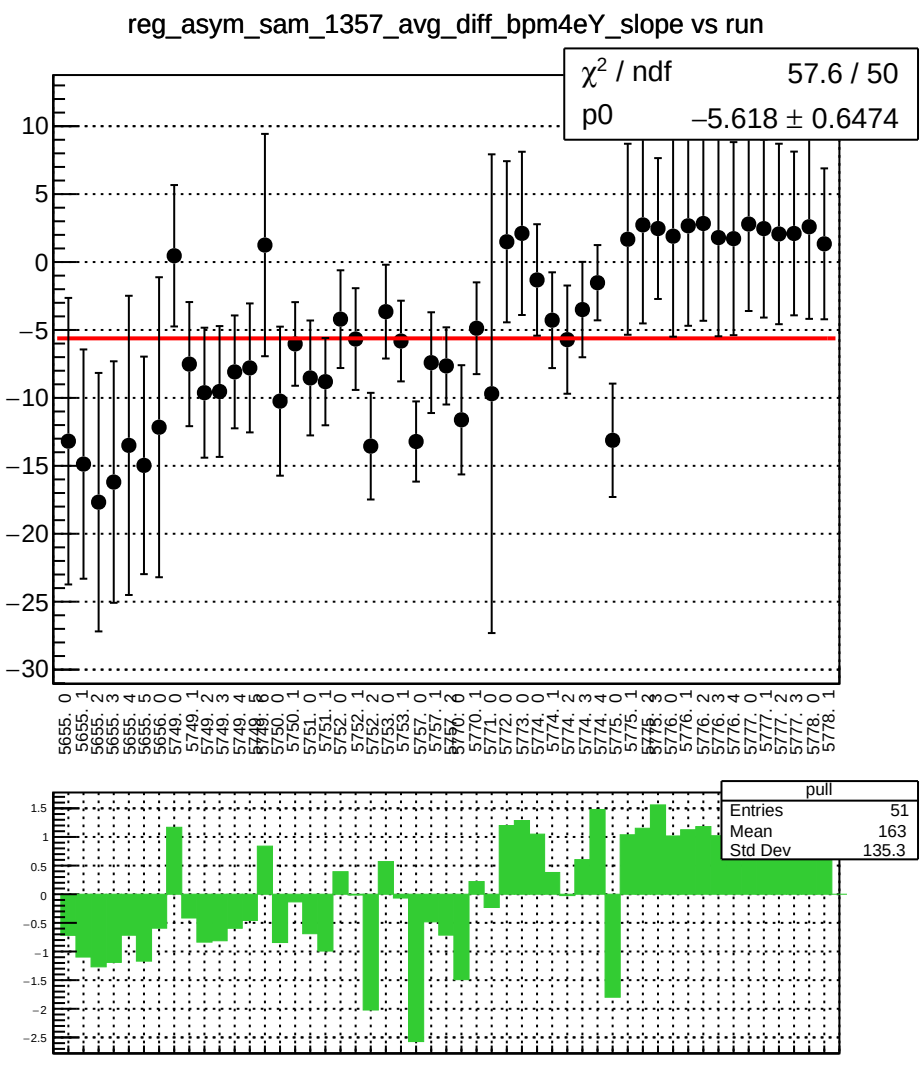

pull1D
Entries 51
Mean −0.1294
Std Dev 0.6207

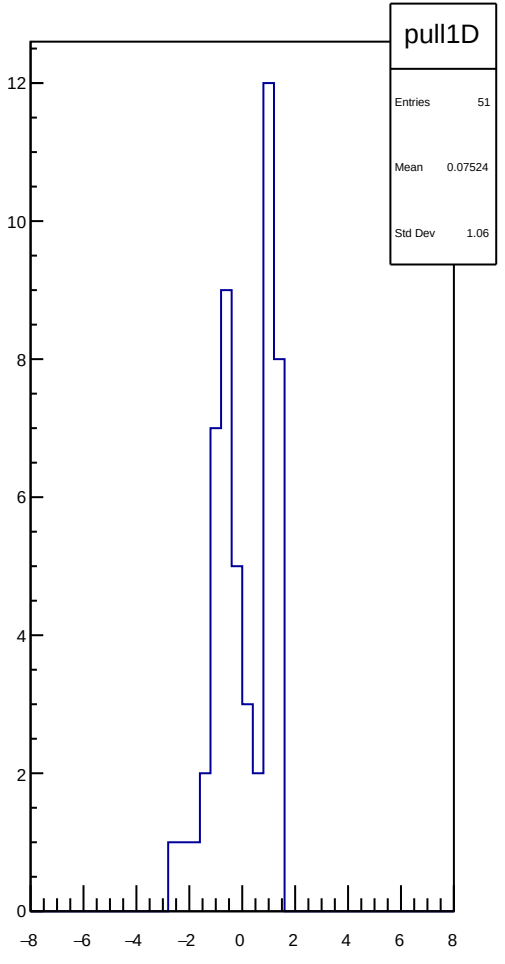

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.93 / 50
p0 0.6782 ± 0.6077
pull
Entries 51
Mean 72.06
Std Dev 41.05

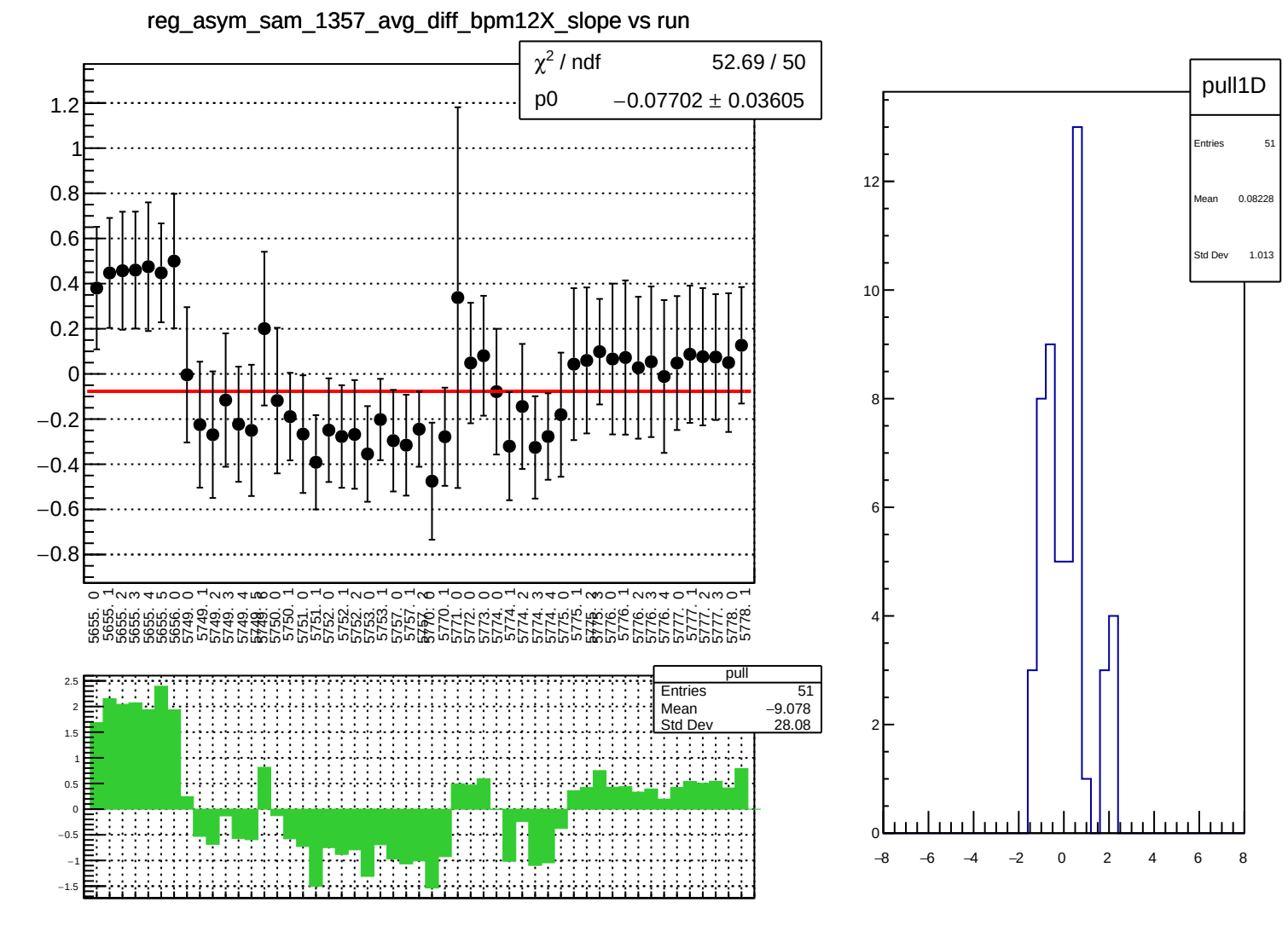

pull1D
Entries 51
Mean −0.1857
Std Dev 1.139

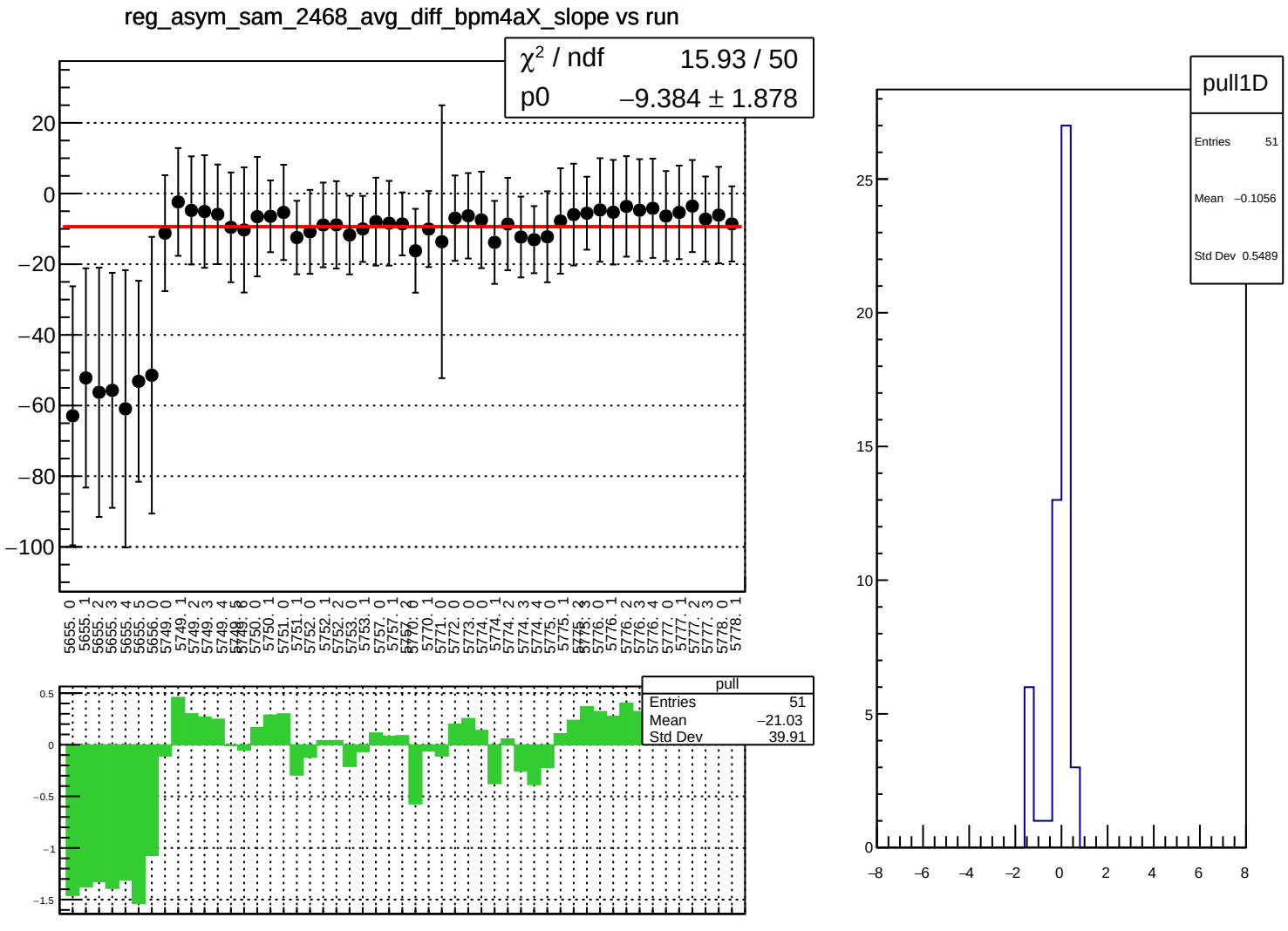

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.32 / 50
p0 −31.76 ± 0.7881
pull
Entries 51
Mean −50.99
Std Dev 71.82

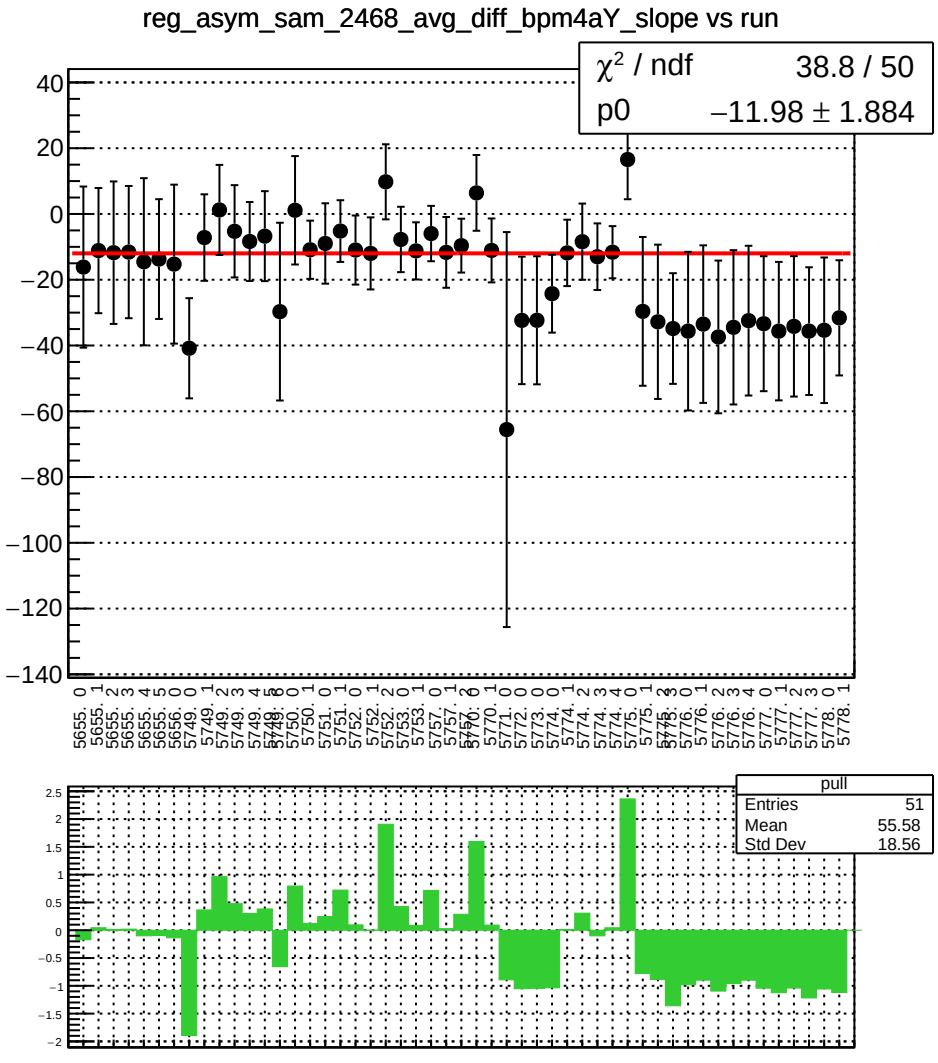

pull1D
Entries 51
Mean 0.06293
Std Dev 0.5073

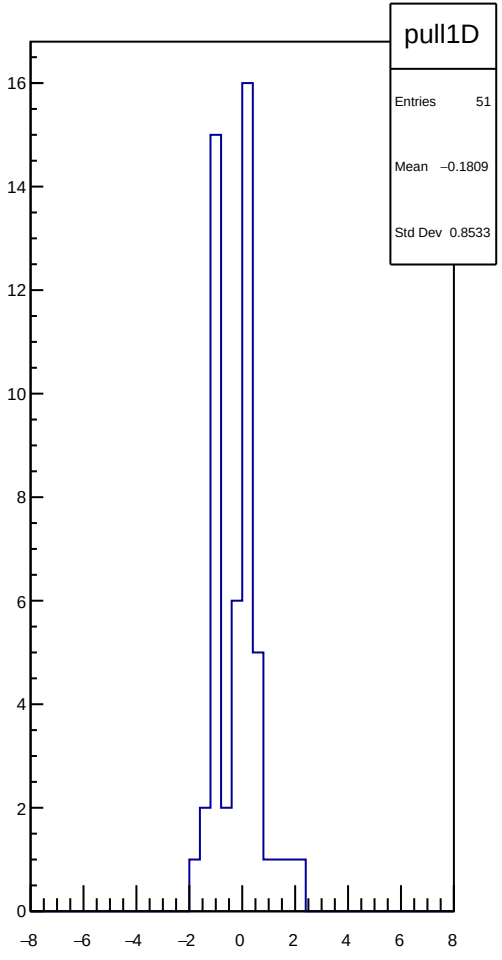

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.6 / 50
p0 −5.618 ± 0.6474
pull
Entries 51
Mean 163
Std Dev 135.3

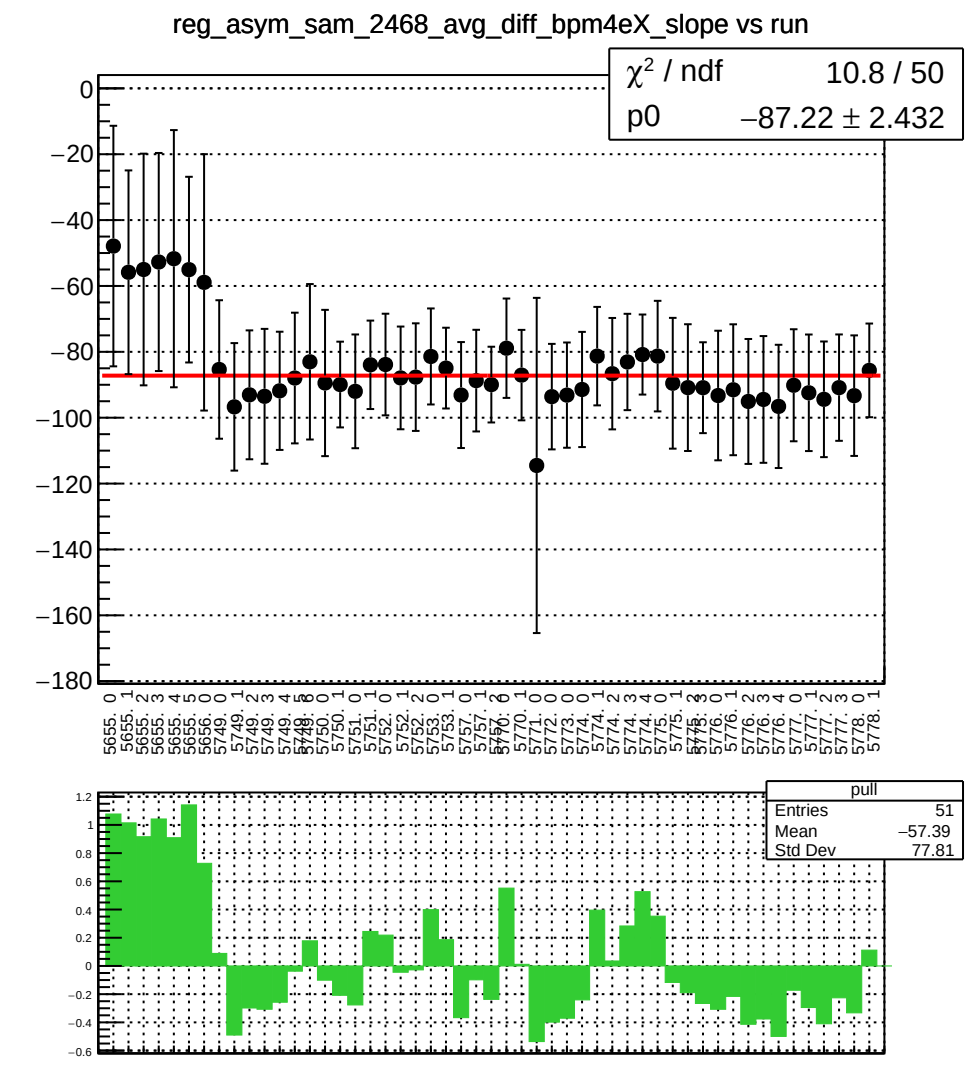

pull1D
Entries 51
Mean 0.07524
Std Dev 1.06

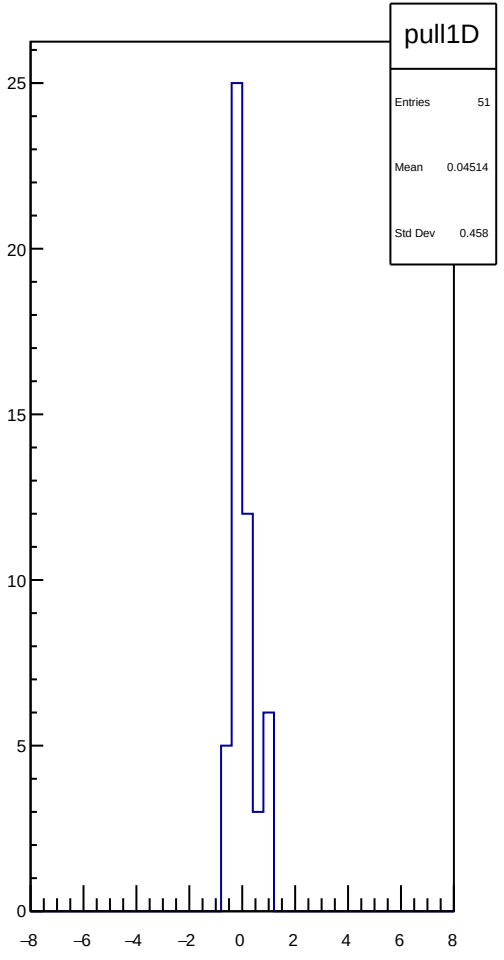

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 52.69 / 50
p0 −0.07702 ± 0.03605
pull
Entries 51
Mean −9.078
Std Dev 28.08
pull1D
Entries 51
Mean 0.08228
Std Dev 1.013

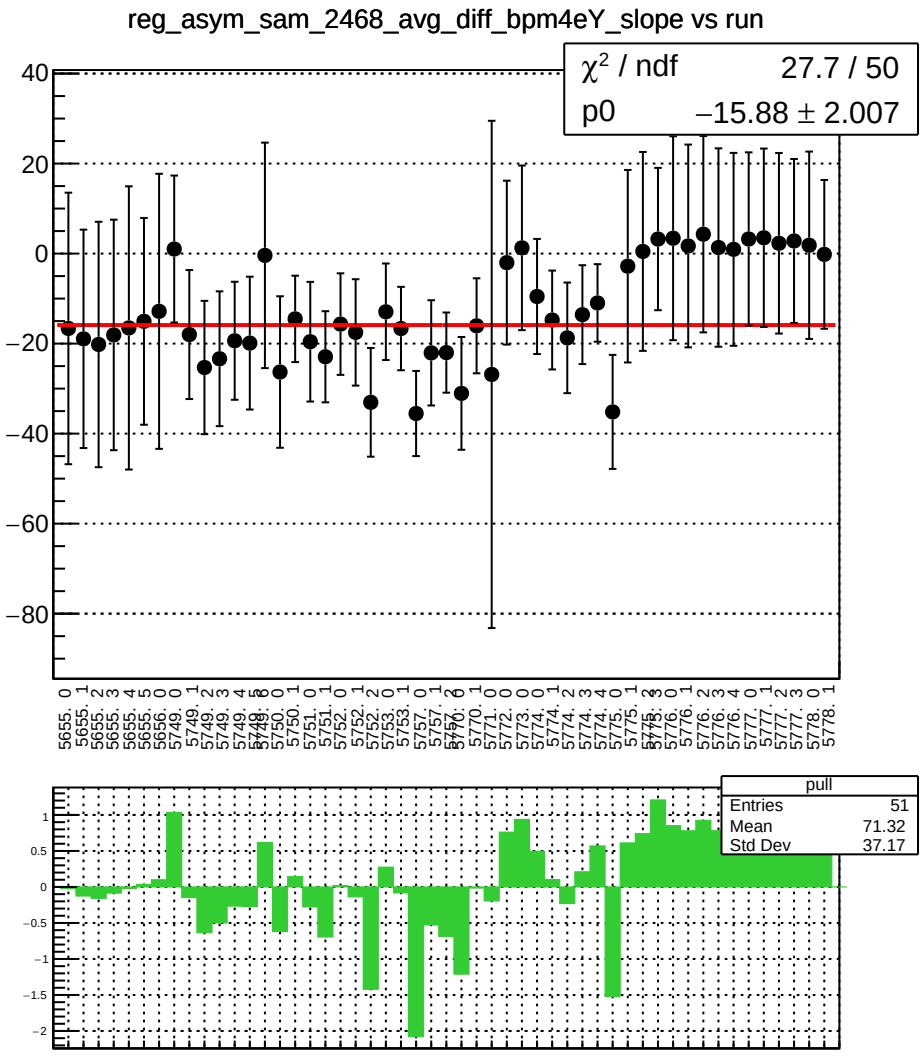

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.93 / 50
p0 −9.384 ± 1.878
pull
Entries 51
Mean −21.03
Std Dev 39.91
pull1D
Entries 51
Mean −0.1056
Std Dev 0.5489

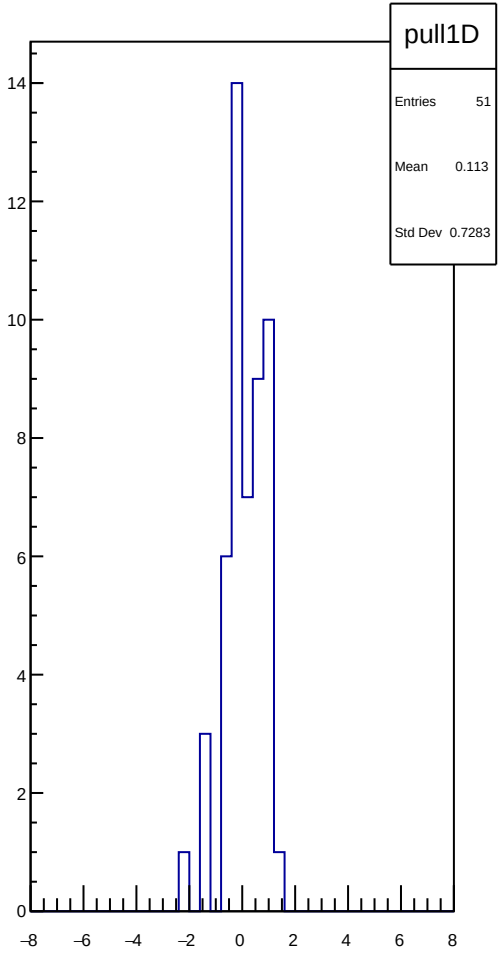

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.8 / 50
p0 −11.98 ± 1.884
pull
Entries 51
Mean 55.58
Std Dev 18.56

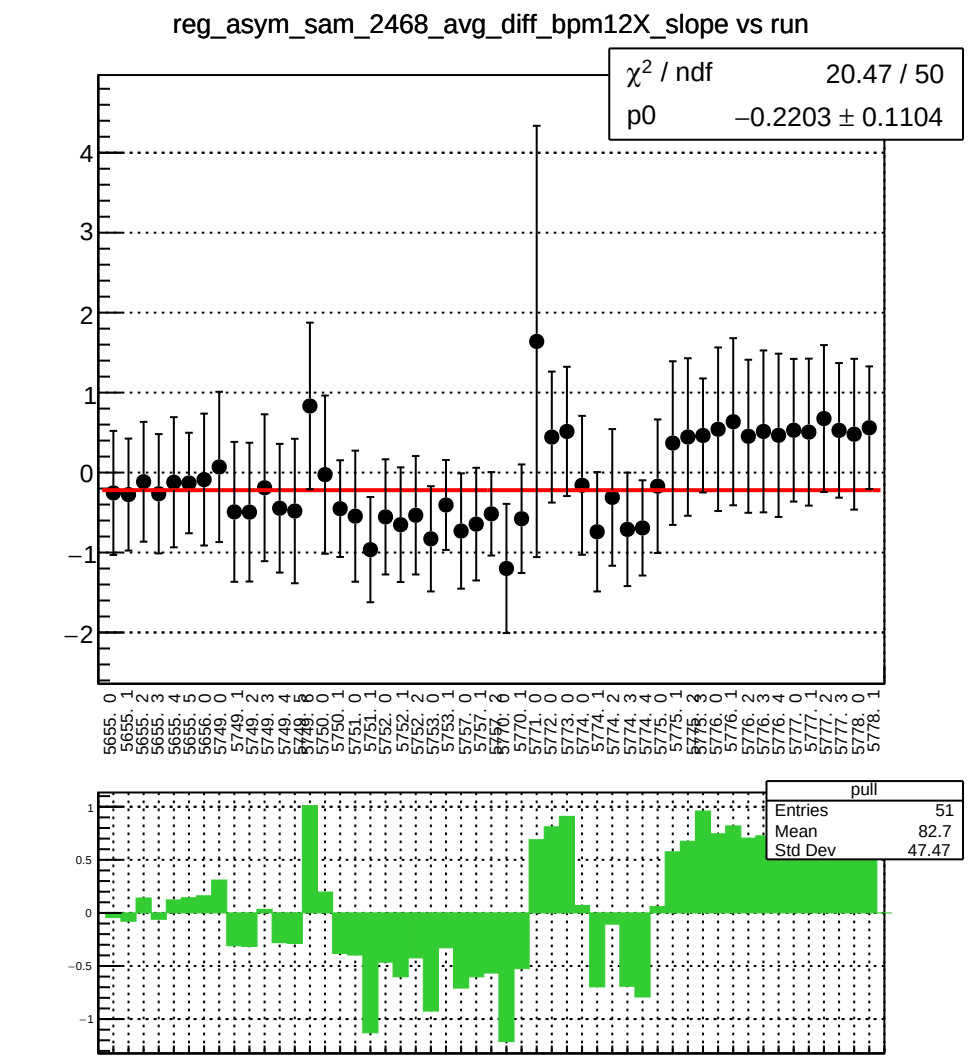

pull1D
Entries 51
Mean −0.1809
Std Dev 0.8533

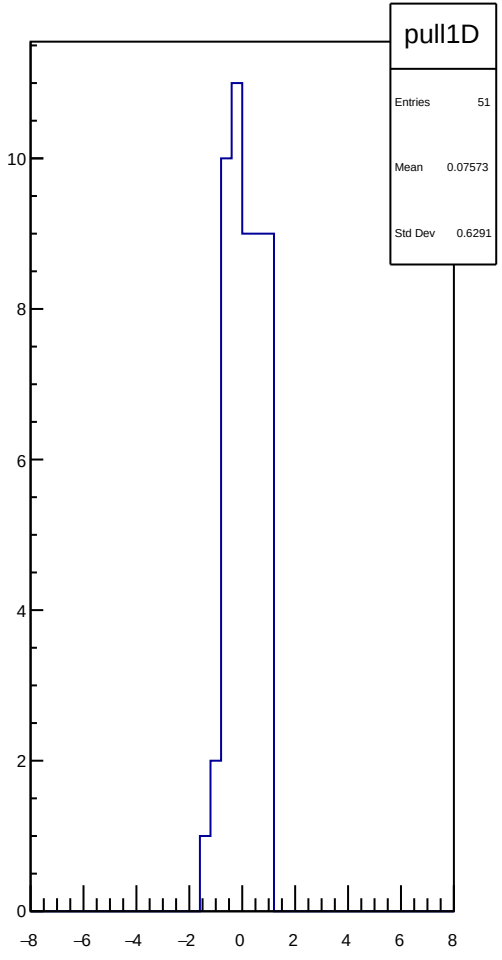

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.8 / 50
p0 −87.22 ± 2.432
pull
Entries 51
Mean −57.39
Std Dev 77.81

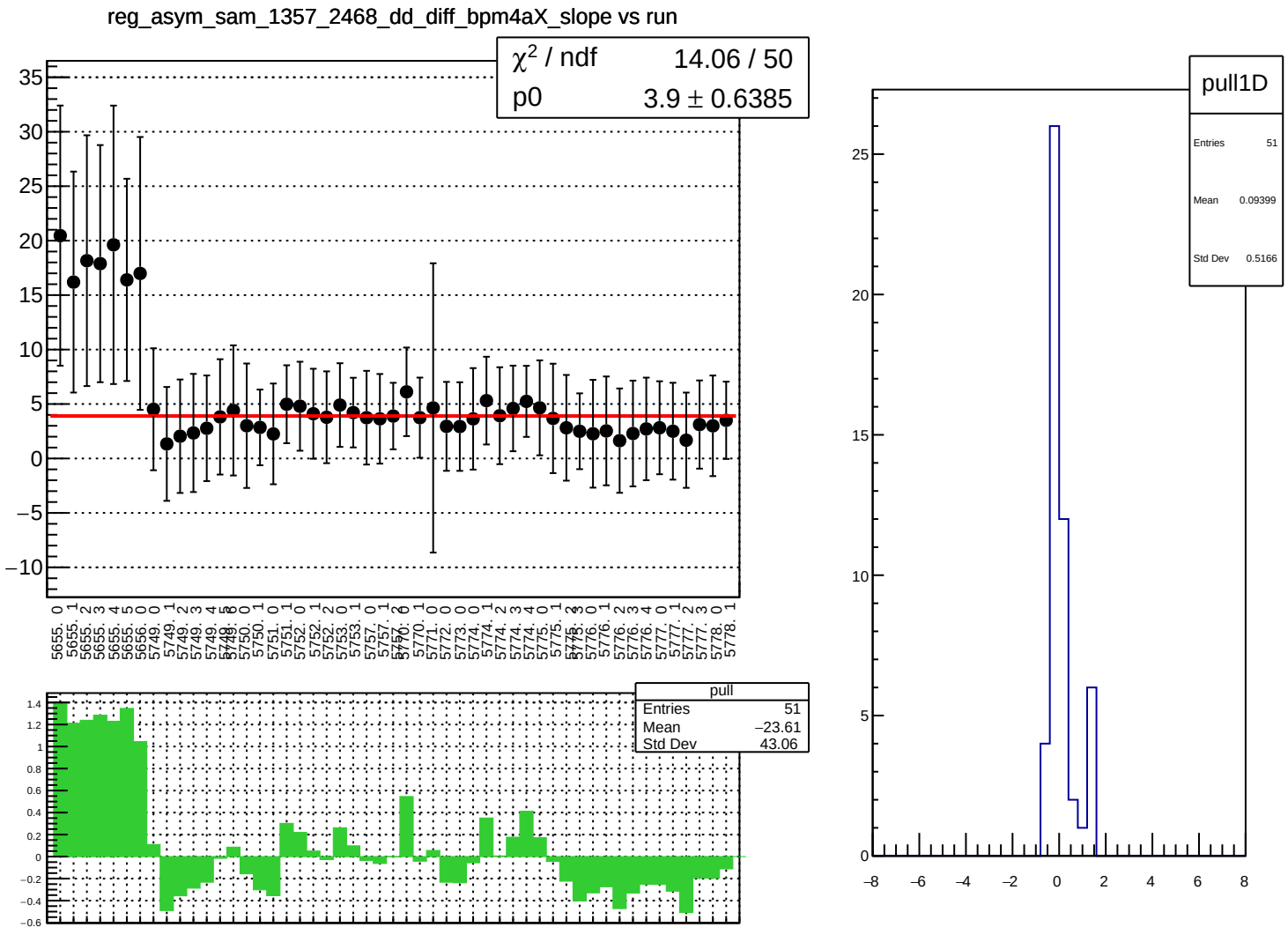

pull1D
Entries 51
Mean 0.04514
Std Dev 0.458

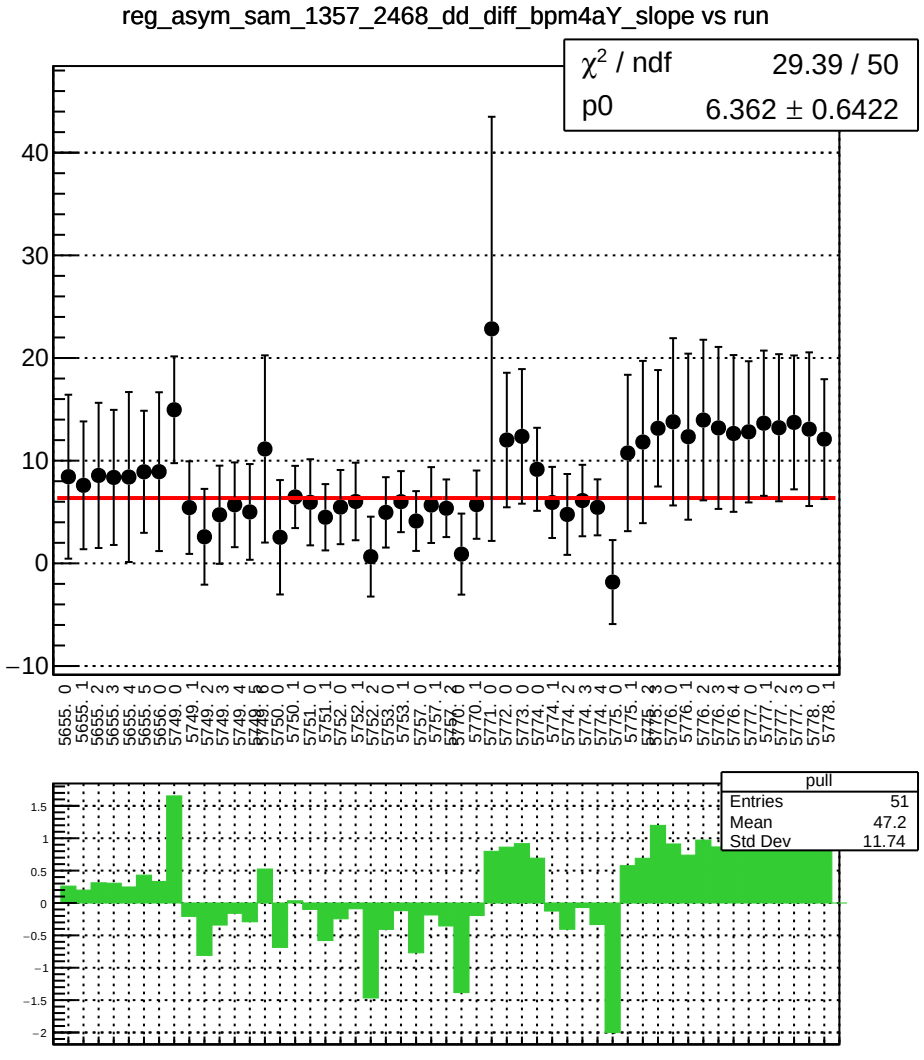

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.7 / 50
p0 −15.88 ± 2.007
pull
Entries 51
Mean 71.32
Std Dev 37.17

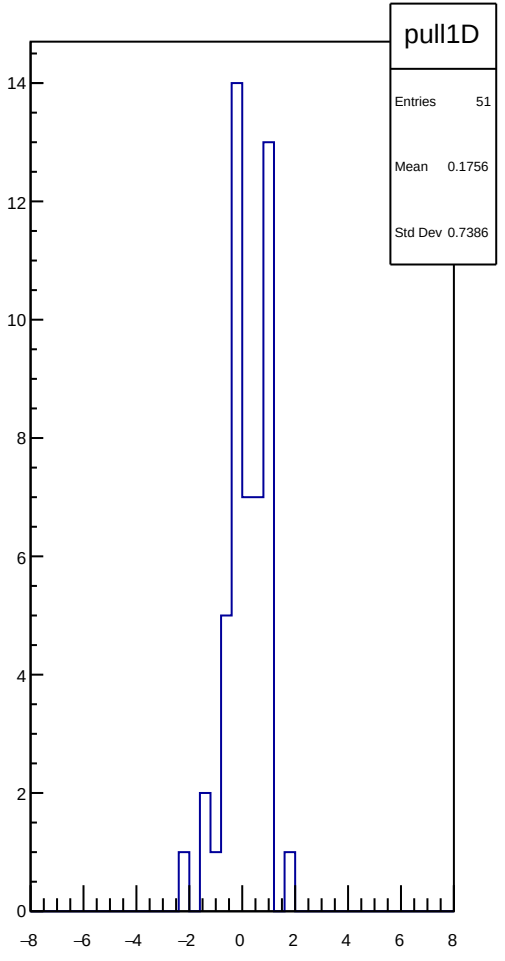

pull1D
Entries 51
Mean 0.113
Std Dev 0.7283

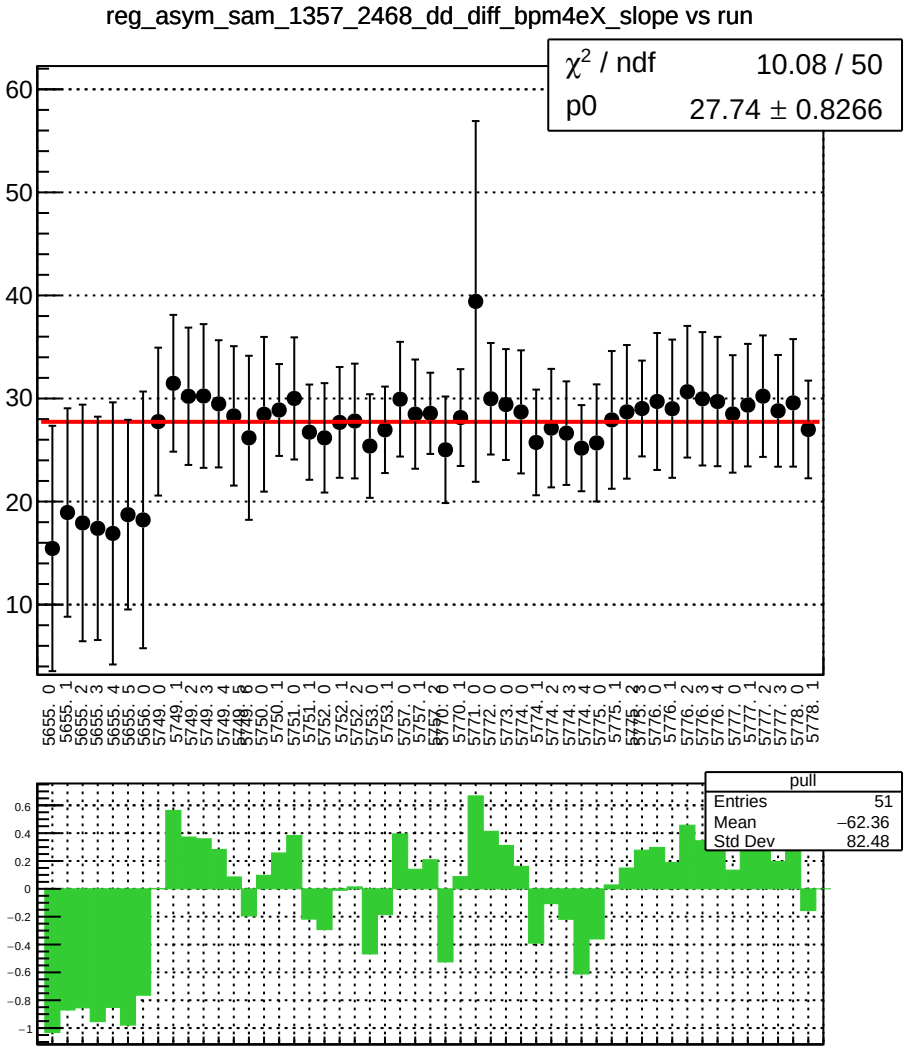

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 20.47 / 50
p0 −0.2203 ± 0.1104
pull
Entries 51
Mean 82.7
Std Dev 47.47

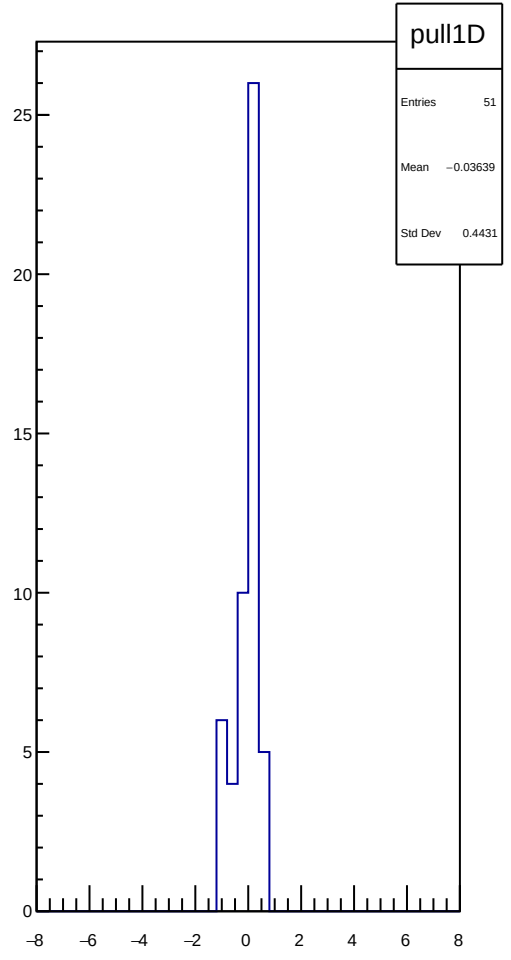

pull1D
Entries 51
Mean 0.07573
Std Dev 0.6291

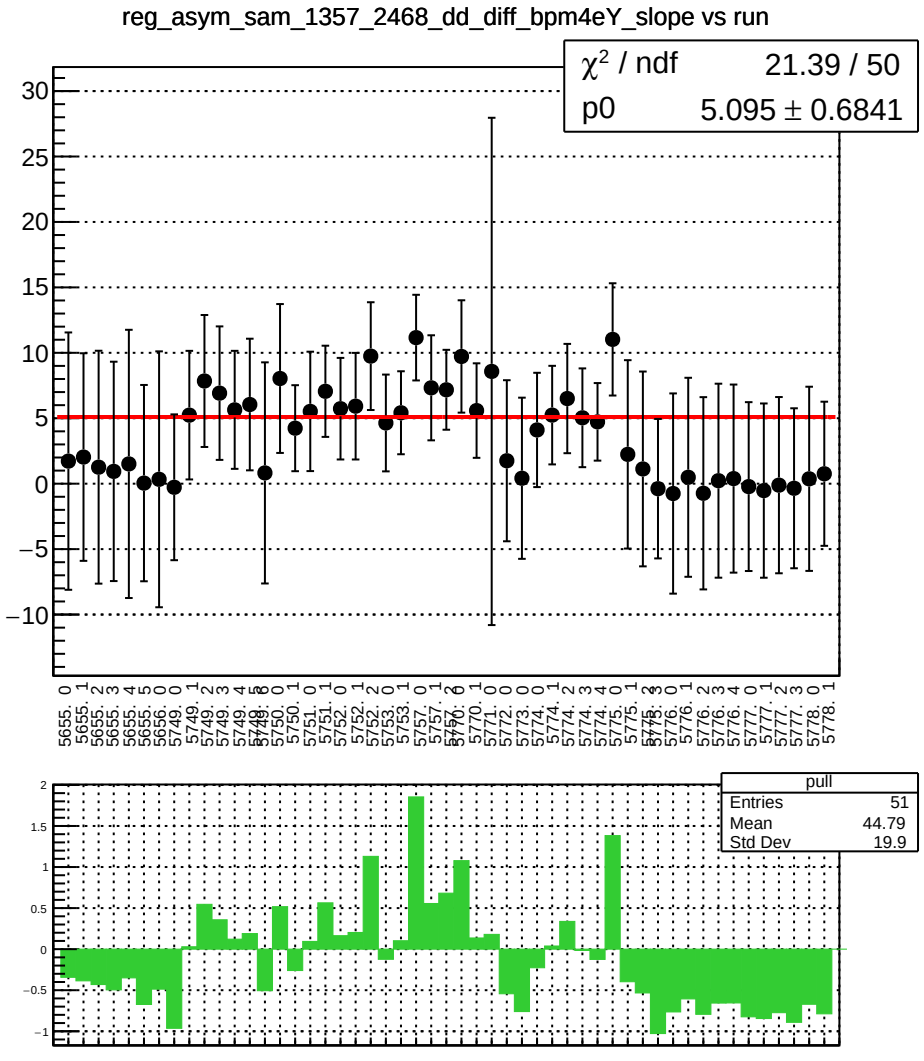

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.06 / 50
p0 3.9 ± 0.6385
pull
Entries 51
Mean −23.61
Std Dev 43.06
pull1D
Entries 51
Mean 0.09399
Std Dev 0.5166

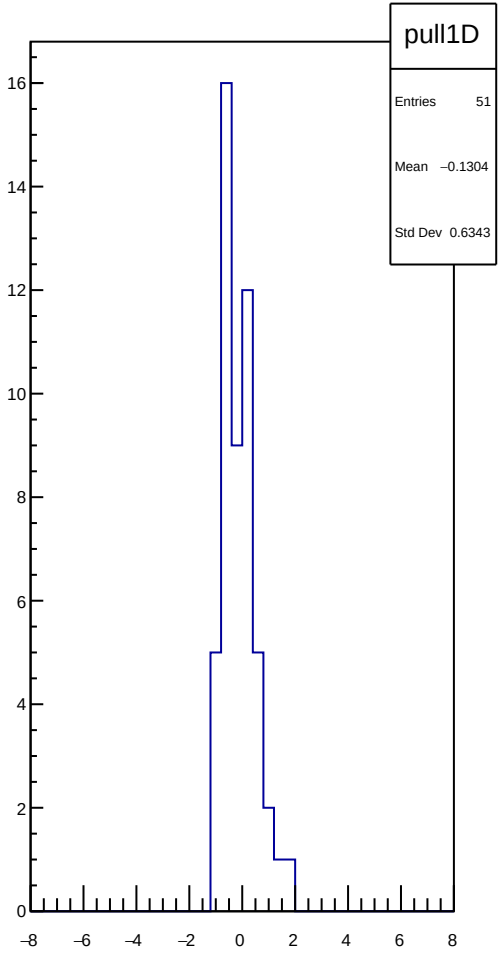

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.39 / 50
p0 6.362 ± 0.6422
pull
Entries 51
Mean 47.2
Std Dev 11.74

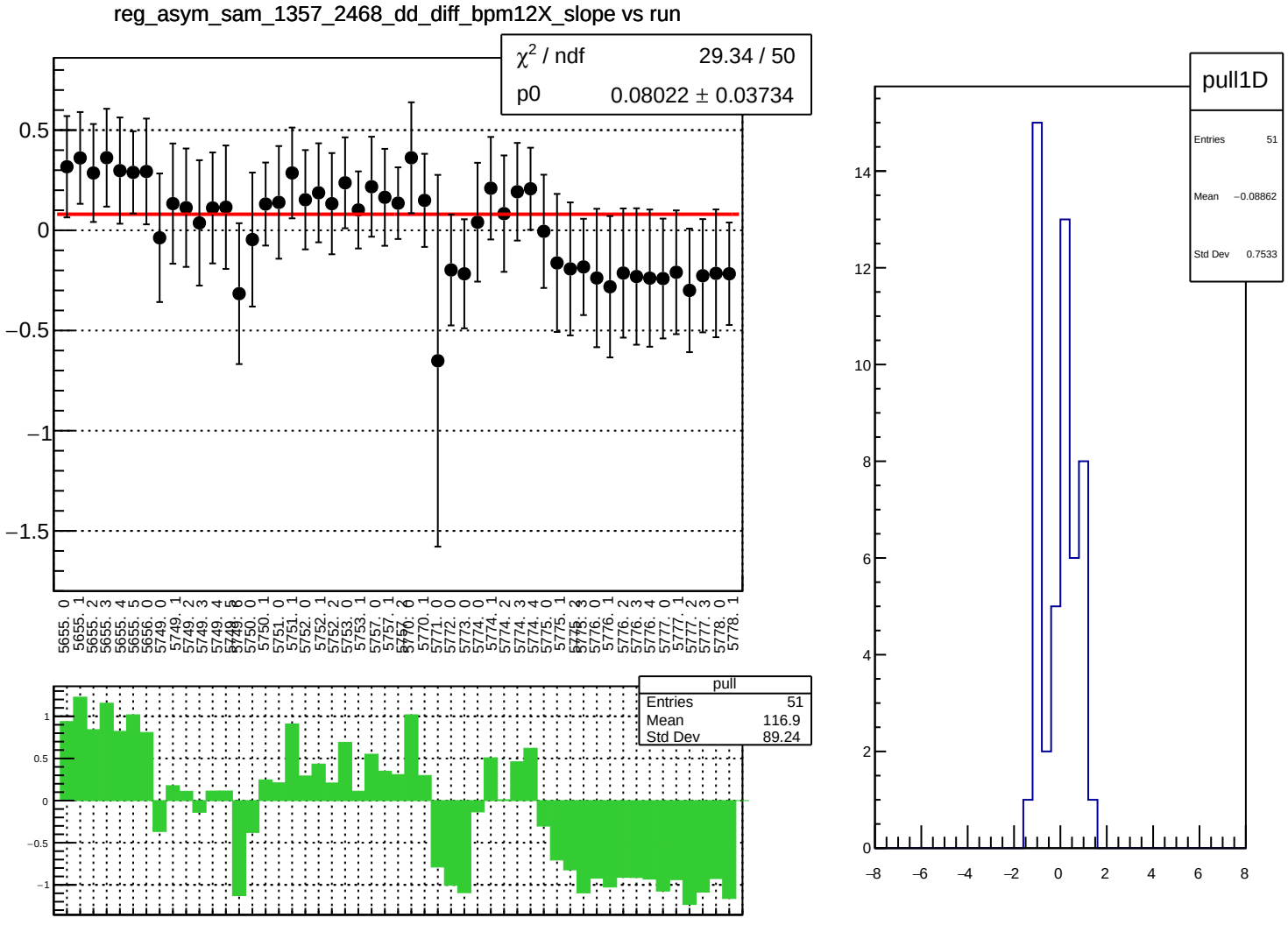

pull1D
Entries 51
Mean 0.1756
Std Dev 0.7386

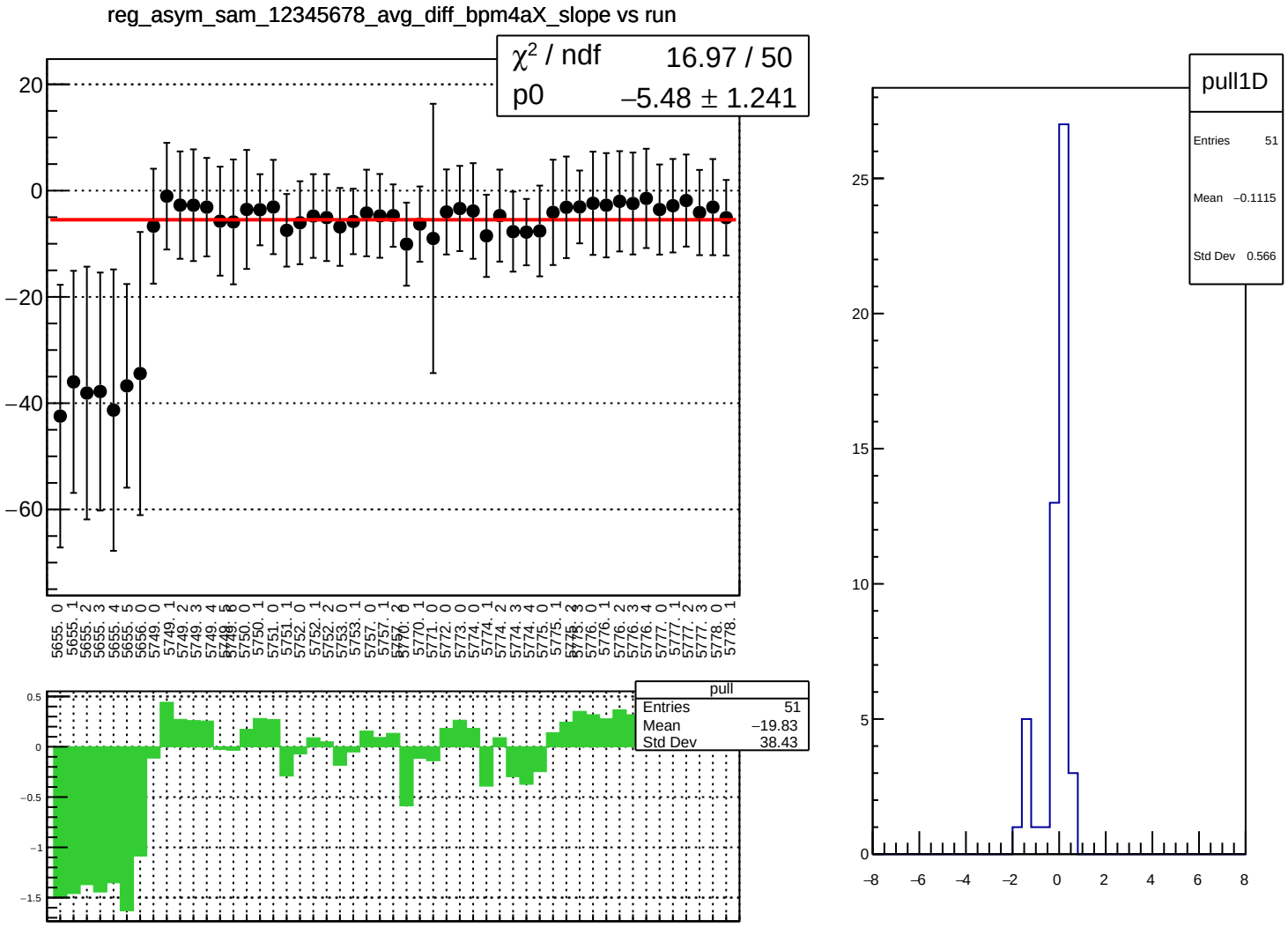

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.08 / 50
p0 27.74 ± 0.8266
pull
Entries 51
Mean −62.36
Std Dev 82.48

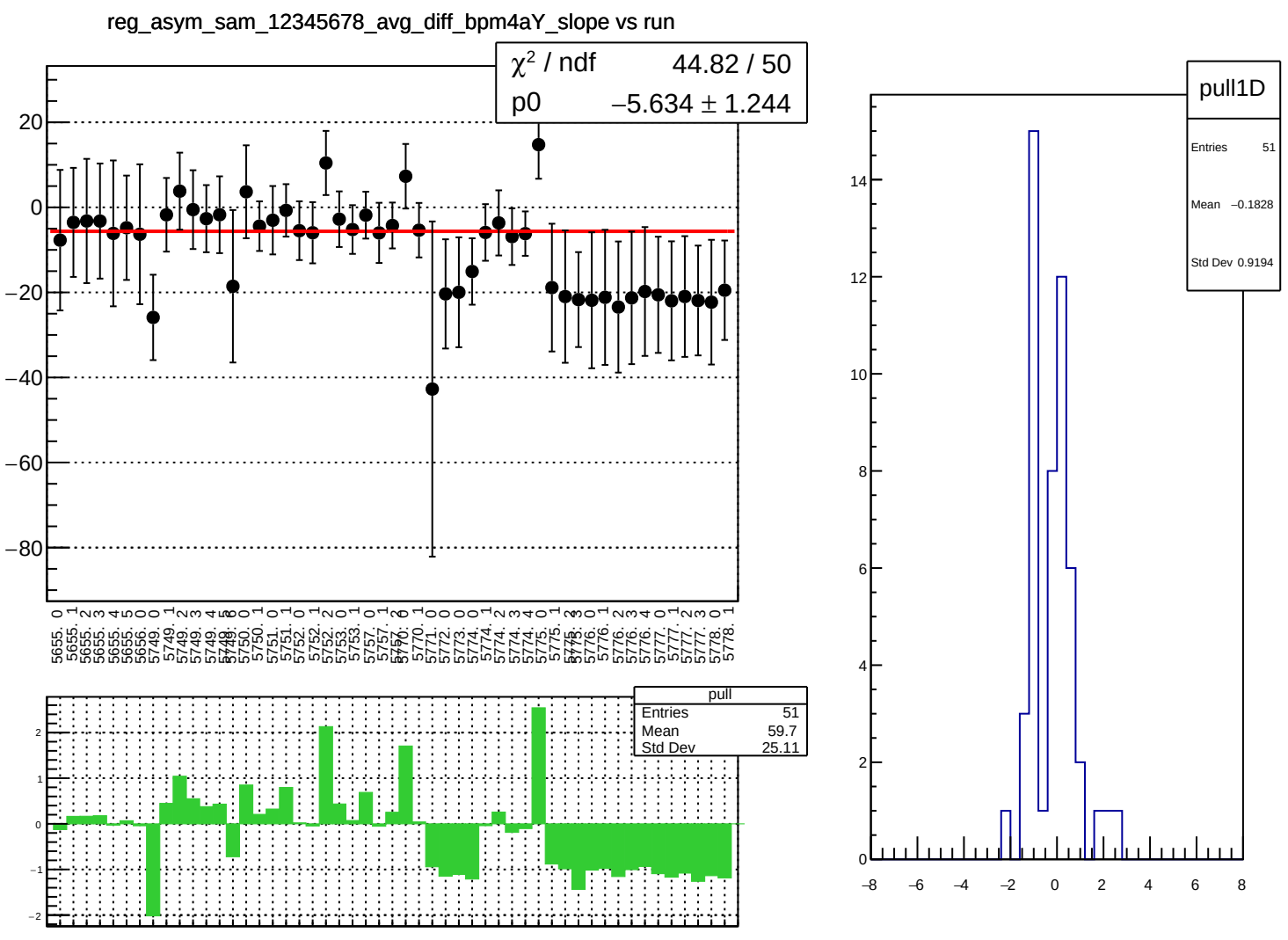

pull1D
Entries 51
Mean −0.03639
Std Dev 0.4431

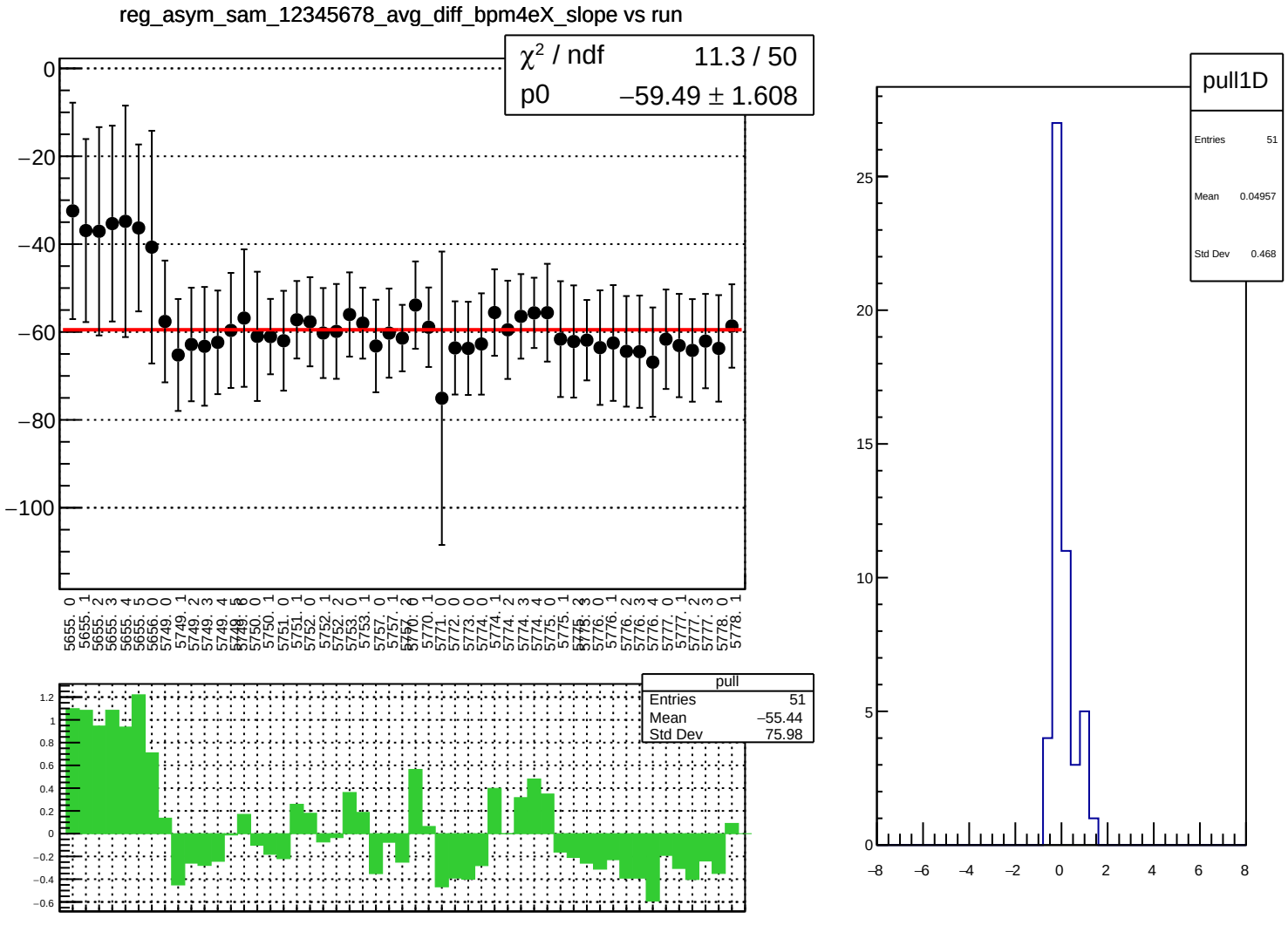

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.39 / 50
p0 5.095 ± 0.6841
pull
Entries 51
Mean 44.79
Std Dev 19.9

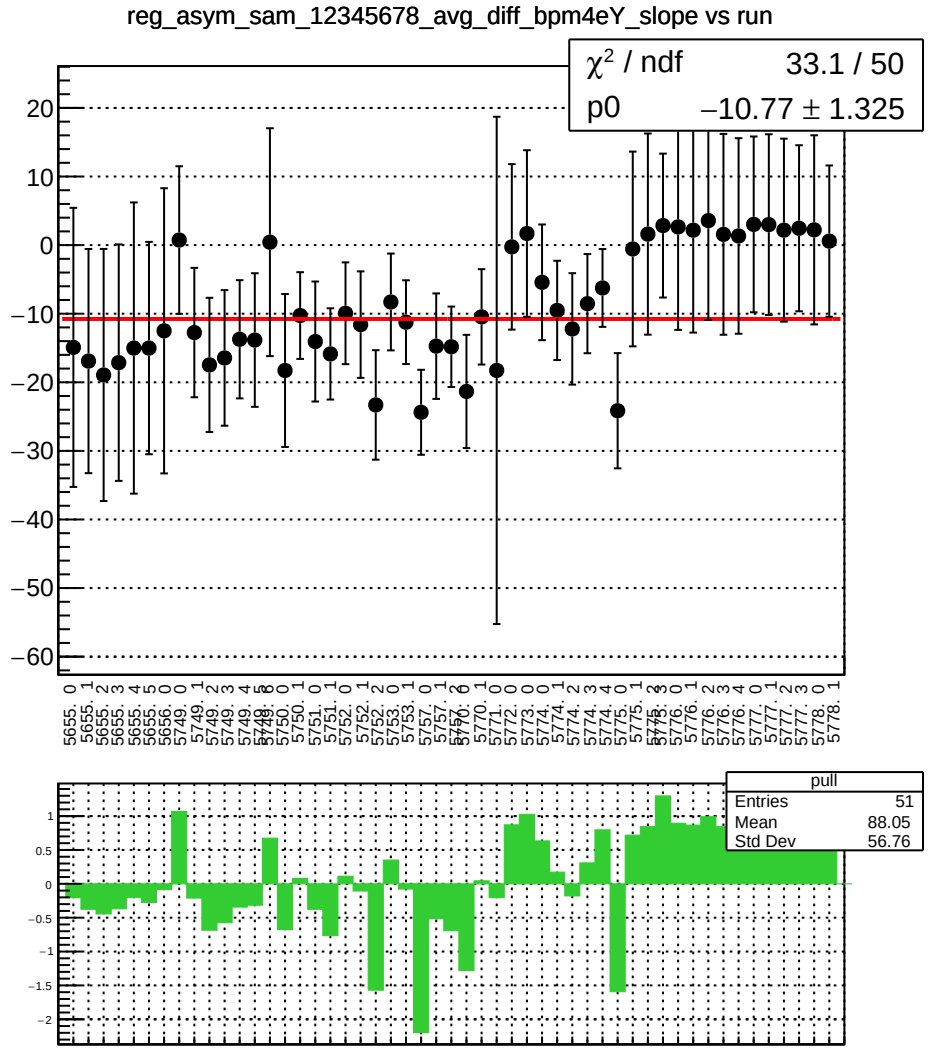

pull1D
Entries 51
Mean −0.1304
Std Dev 0.6343

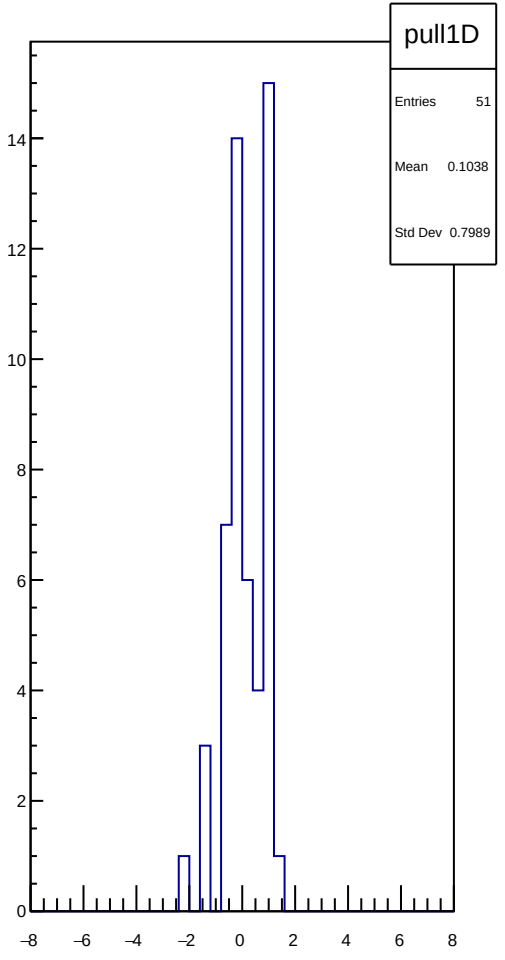

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 29.34 / 50
p0 0.08022 ± 0.03734
pull
Entries 51
Mean 116.9
Std Dev 89.24
pull1D
Entries 51
Mean −0.08862
Std Dev 0.7533

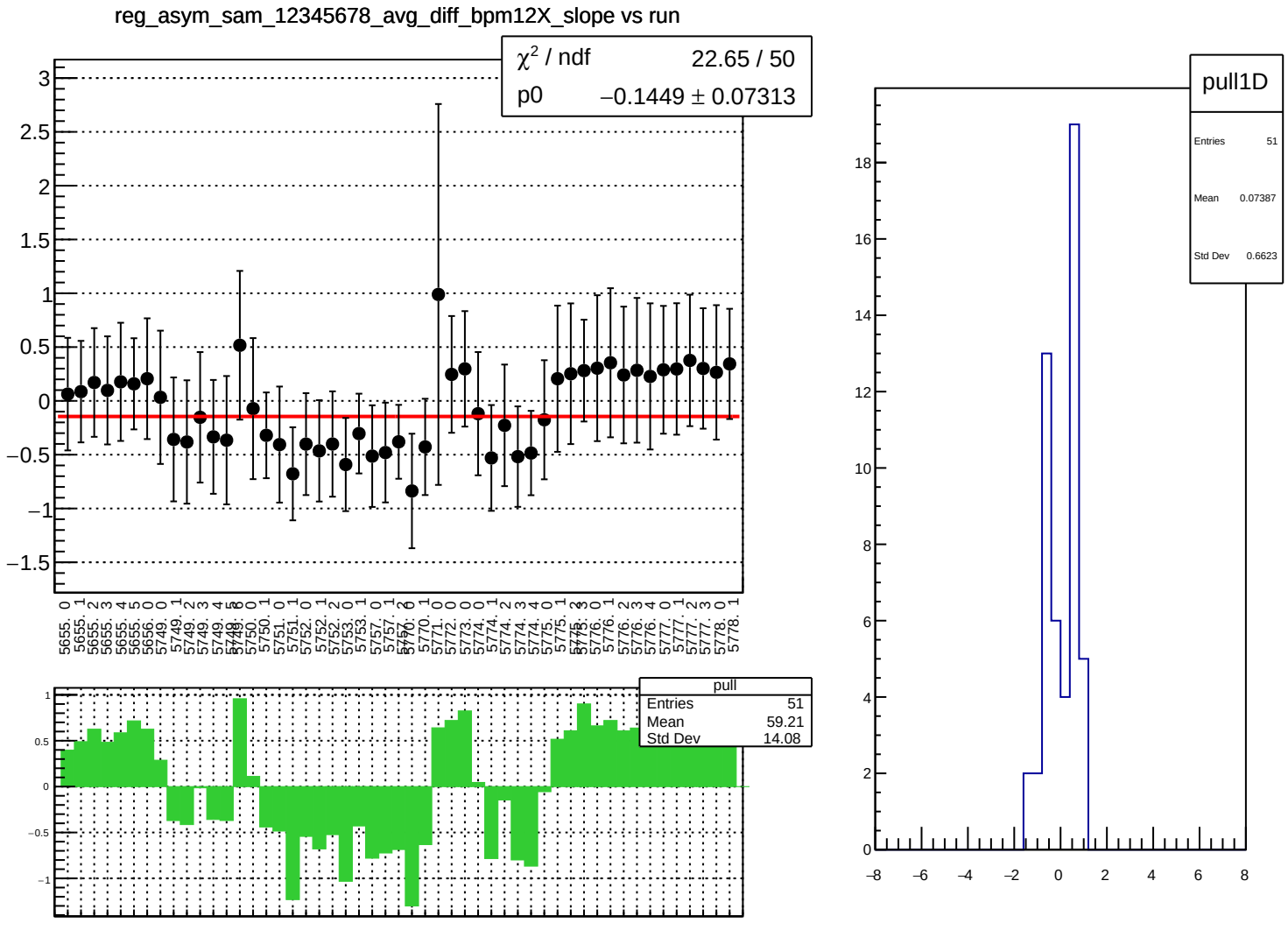

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.97 / 50
p0 −5.48 ± 1.241
pull
Entries 51
Mean −19.83
Std Dev 38.43
pull1D
Entries 51
Mean −0.1115
Std Dev 0.566

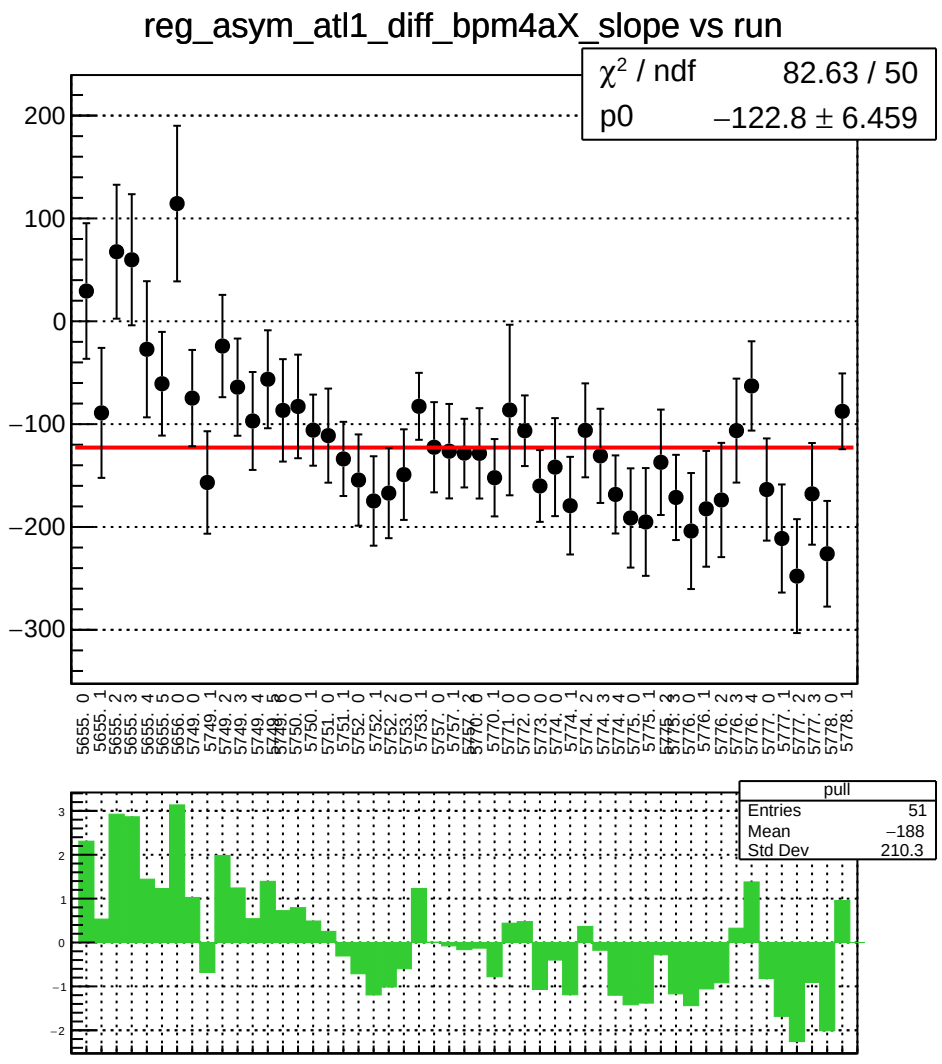

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.82 / 50
p0 −5.634 ± 1.244
pull
Entries 51
Mean 59.7
Std Dev 25.11
pull1D
Entries 51
Mean −0.1828
Std Dev 0.9194

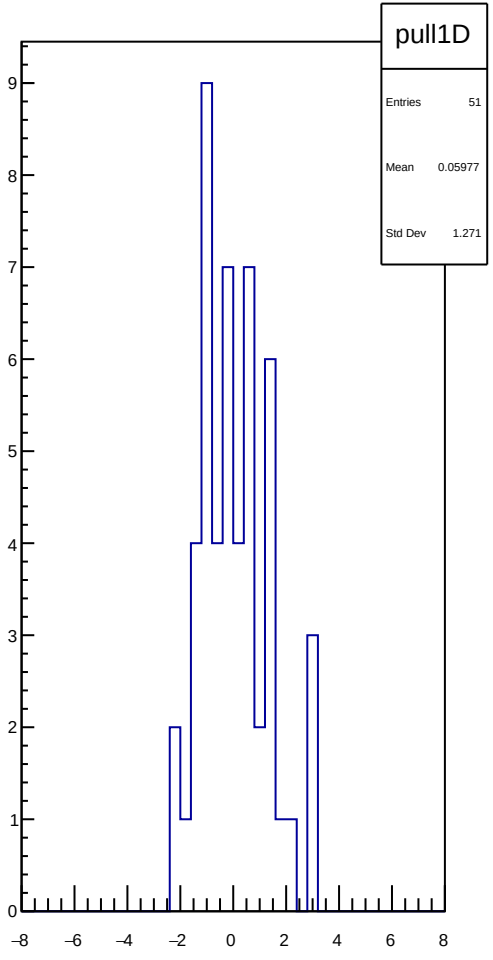

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.3 / 50
p0 −59.49 ± 1.608
pull
Entries 51
Mean −55.44
Std Dev 75.98
pull1D
Entries 51
Mean 0.04957
Std Dev 0.468

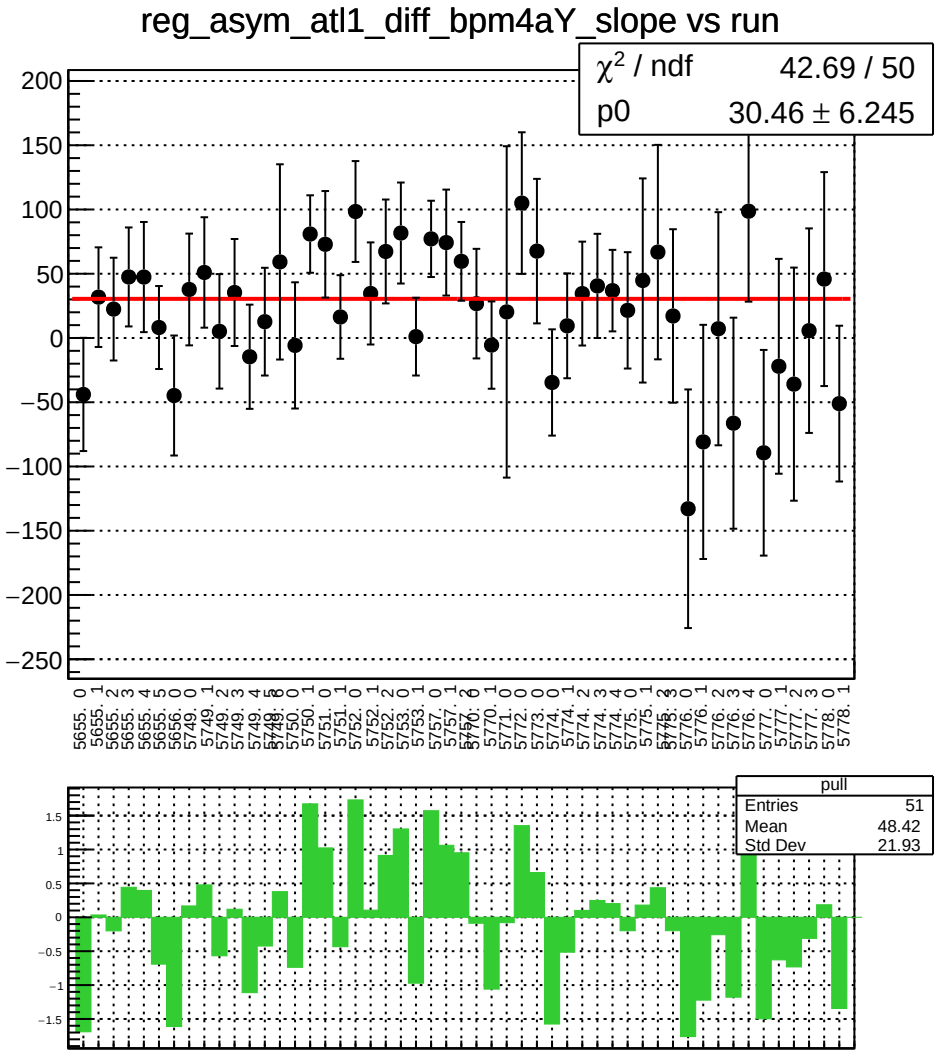

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.1 / 50
p0 −10.77 ± 1.325
pull
Entries 51
Mean 88.05
Std Dev 56.76

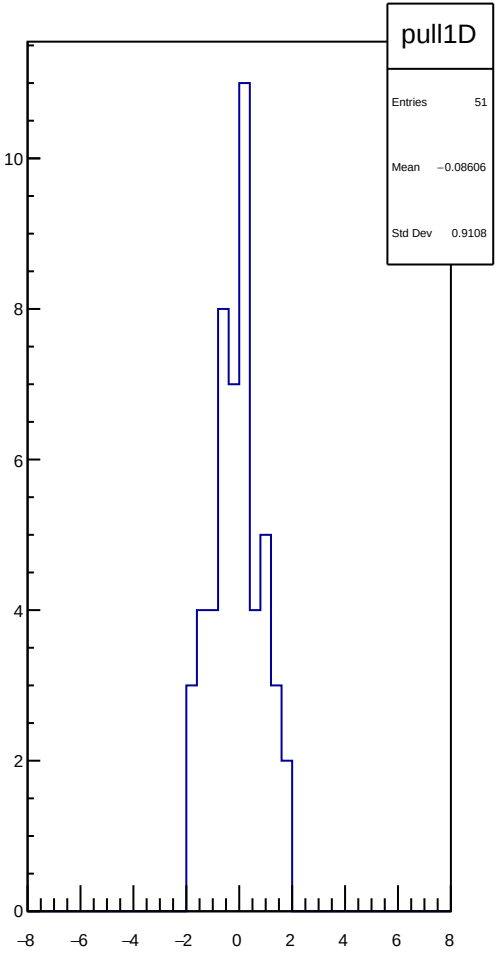

pull1D
Entries 51
Mean 0.1038
Std Dev 0.7989

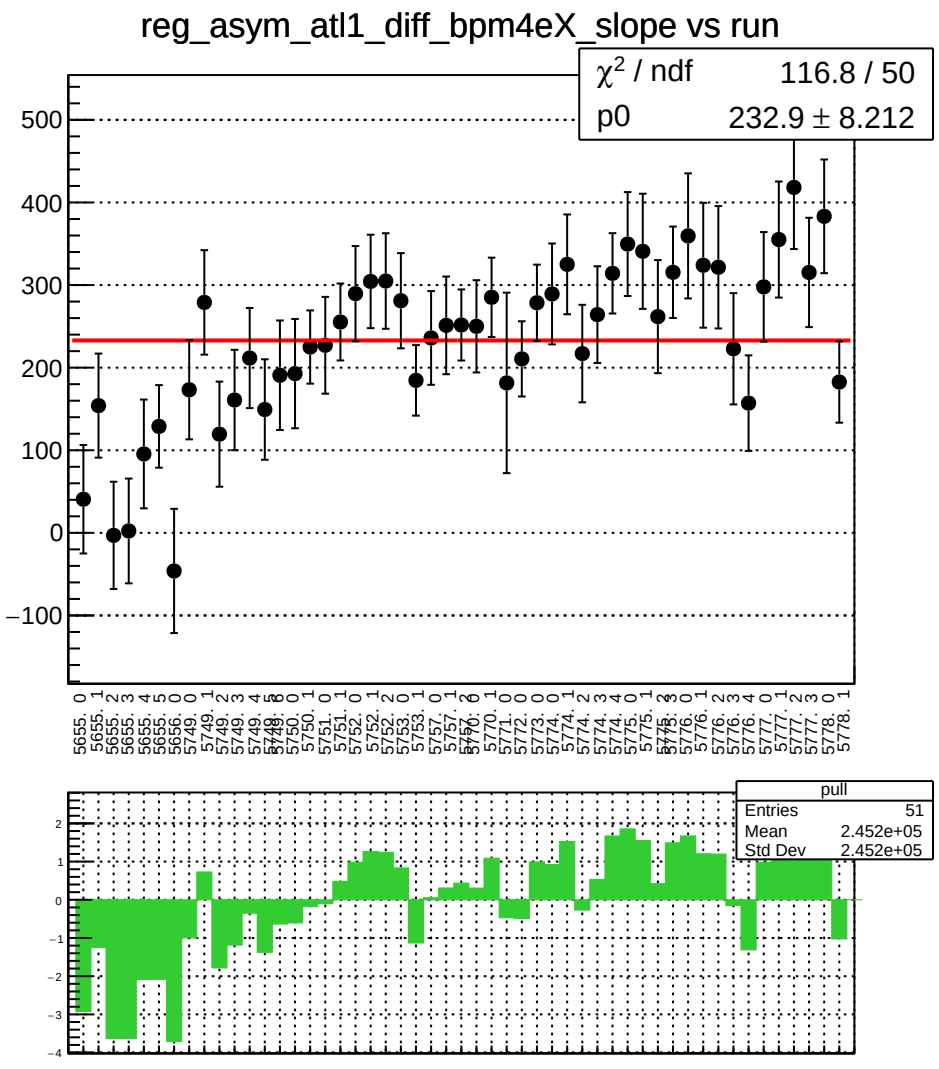

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 22.65 / 50
p0 −0.1449 ± 0.07313
pull
Entries 51
Mean 59.21
Std Dev 14.08
pull1D
Entries 51
Mean 0.07387
Std Dev 0.6623

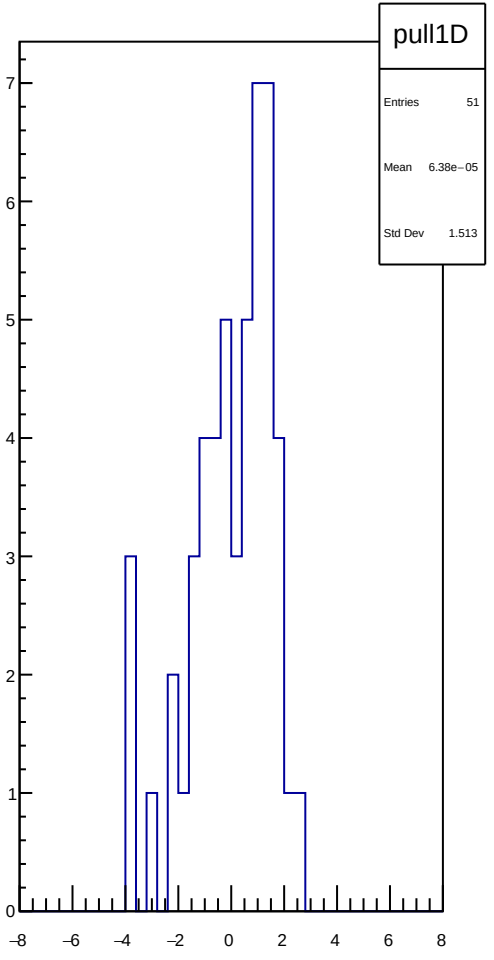

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 82.63 / 50
p0 −122.8 ± 6.459
pull
Entries 51
Mean −188
Std Dev 210.3

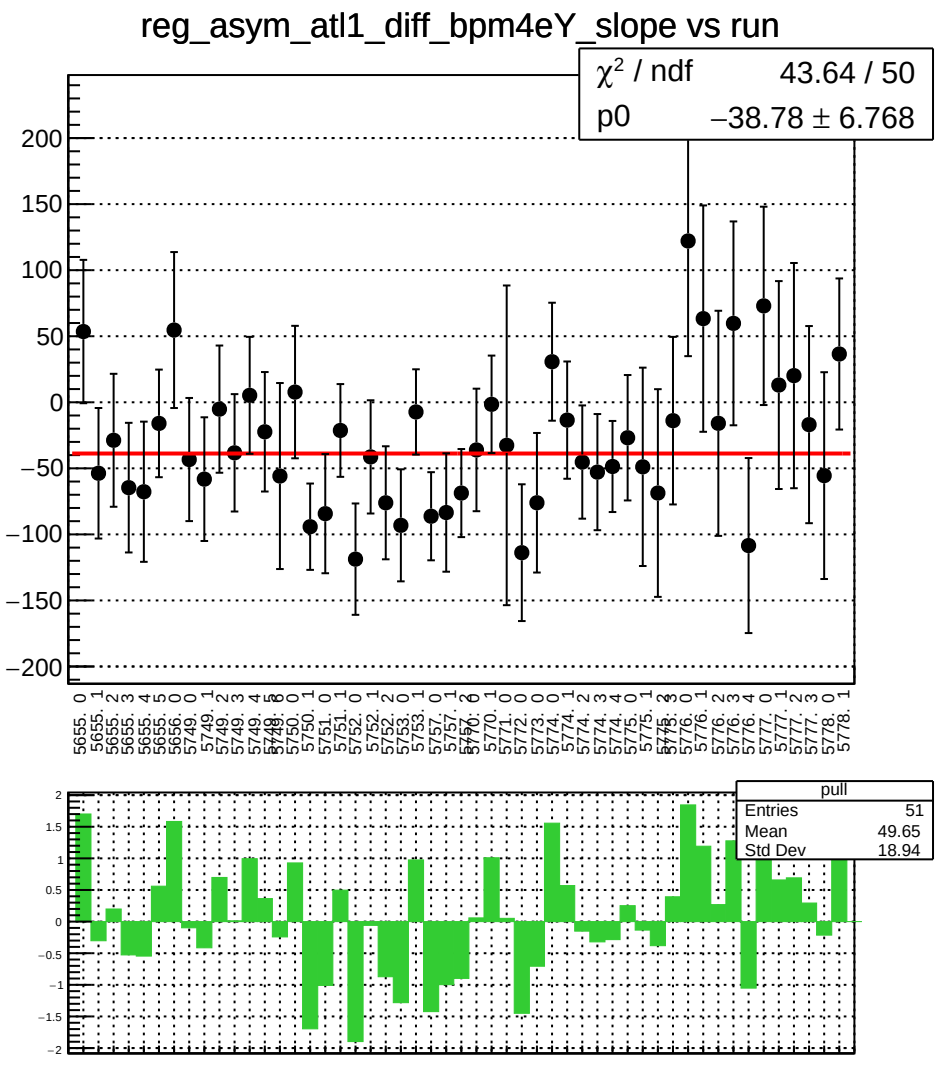

pull1D
Entries 51
Mean 0.05977
Std Dev 1.271

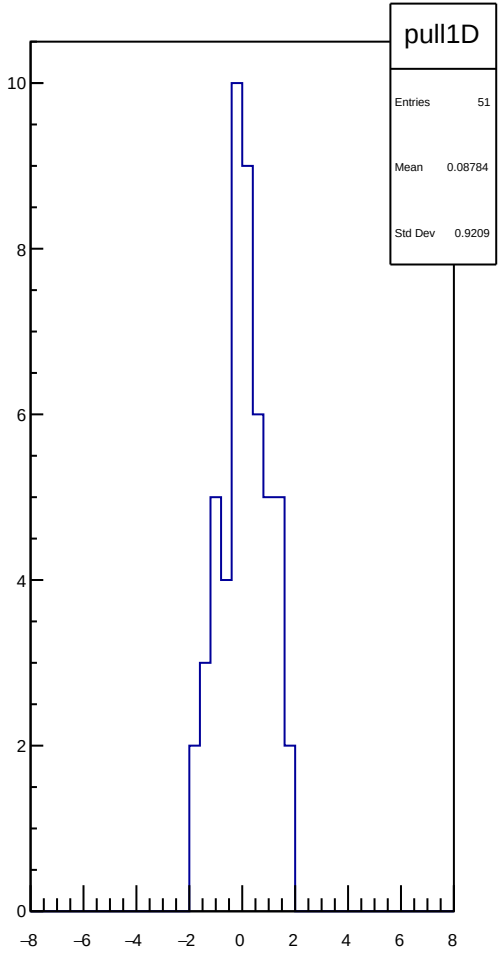

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 42.69 / 50
p0 30.46 ± 6.245
pull
Entries 51
Mean 48.42
Std Dev 21.93

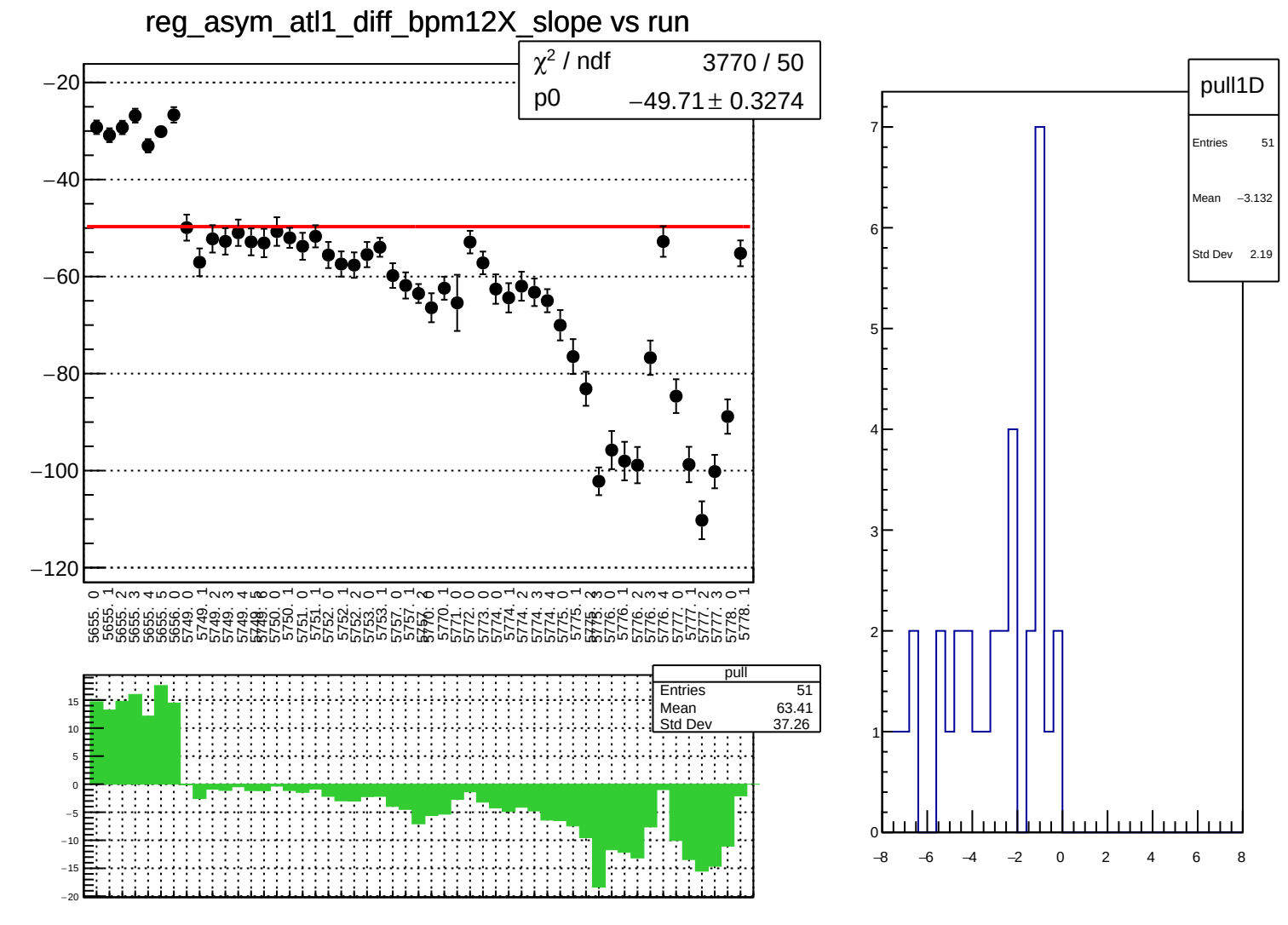

pull1D
Entries 51
Mean −0.08606
Std Dev 0.9108

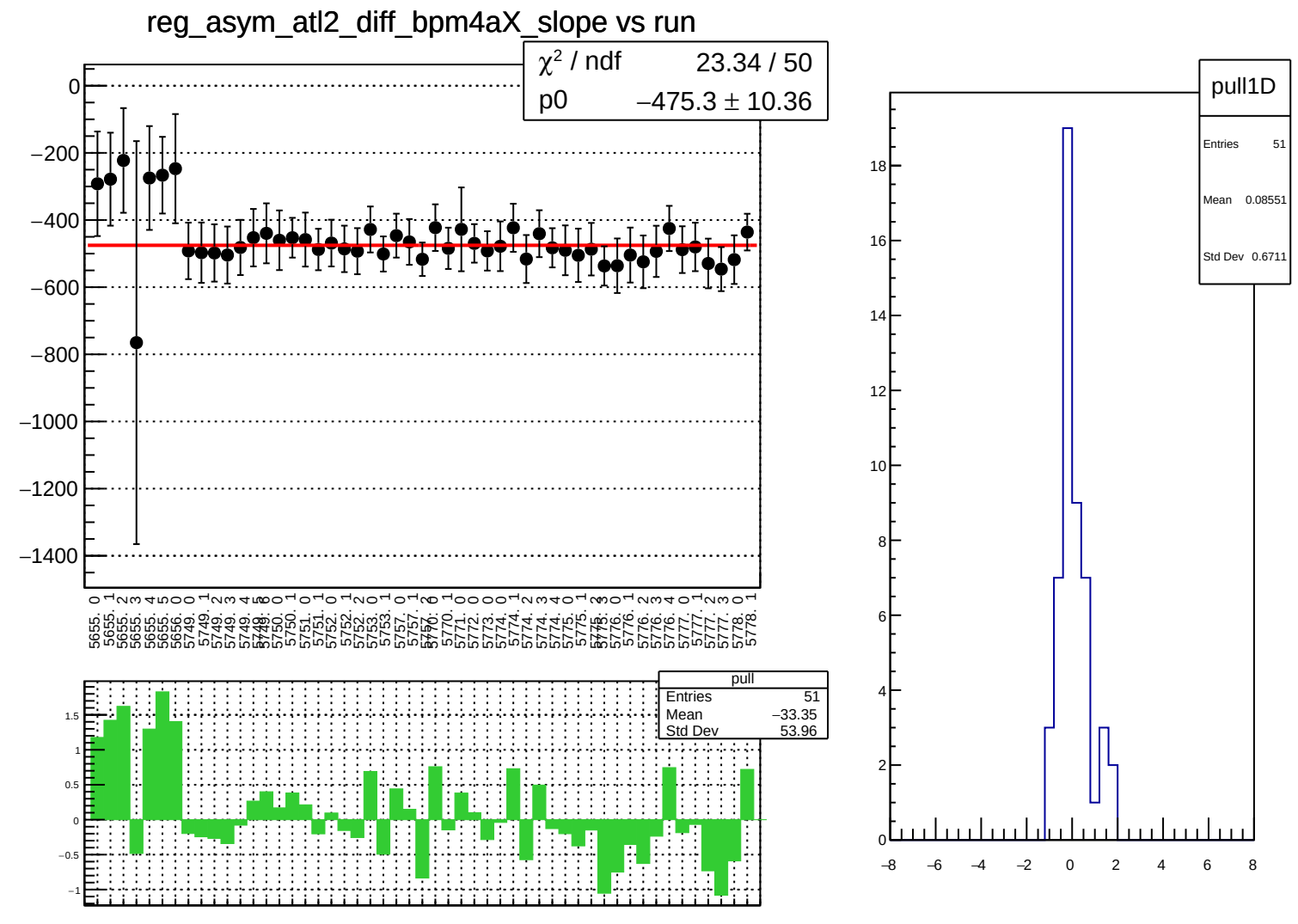

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 116.8 / 50
p0 232.9 ± 8.212
pull
Entries 51
Mean 2.452e+05
Std Dev 2.452e+05

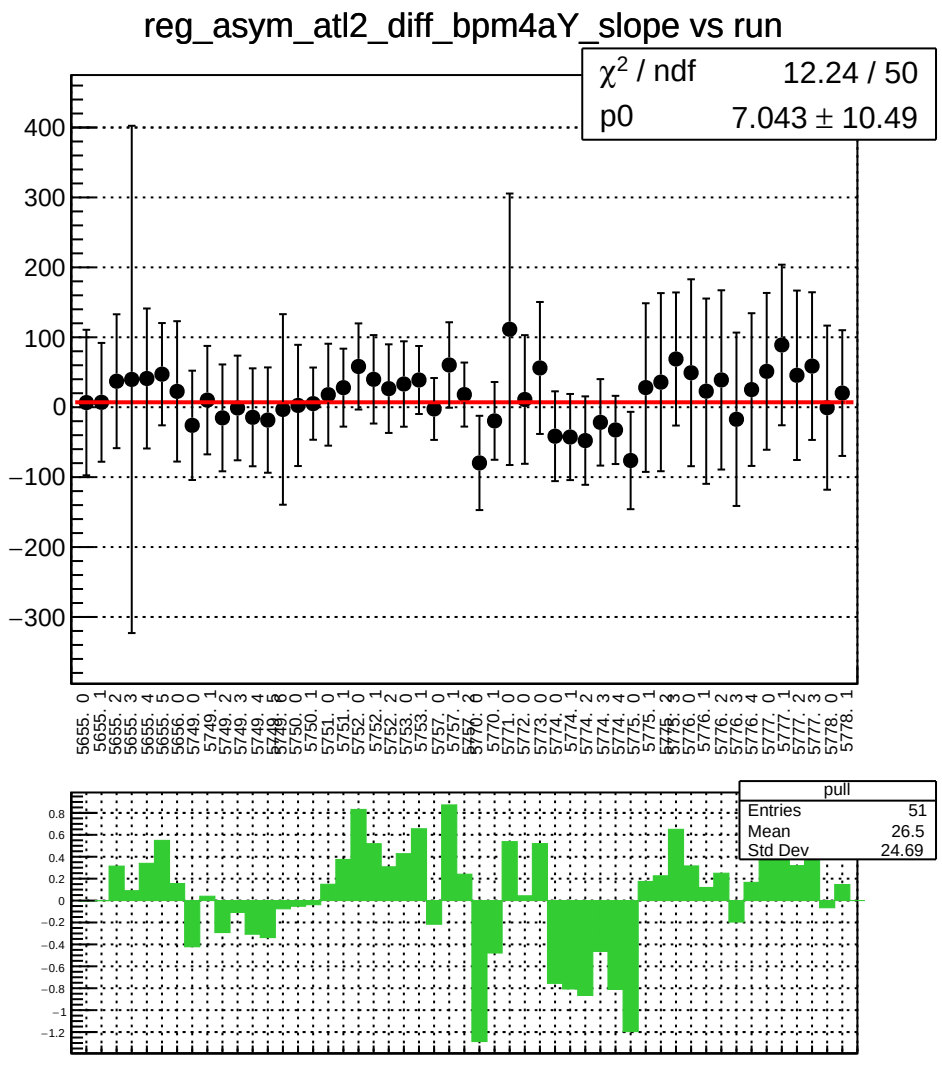

pull1D
Entries 51
Mean 6.38e−05
Std Dev 1.513

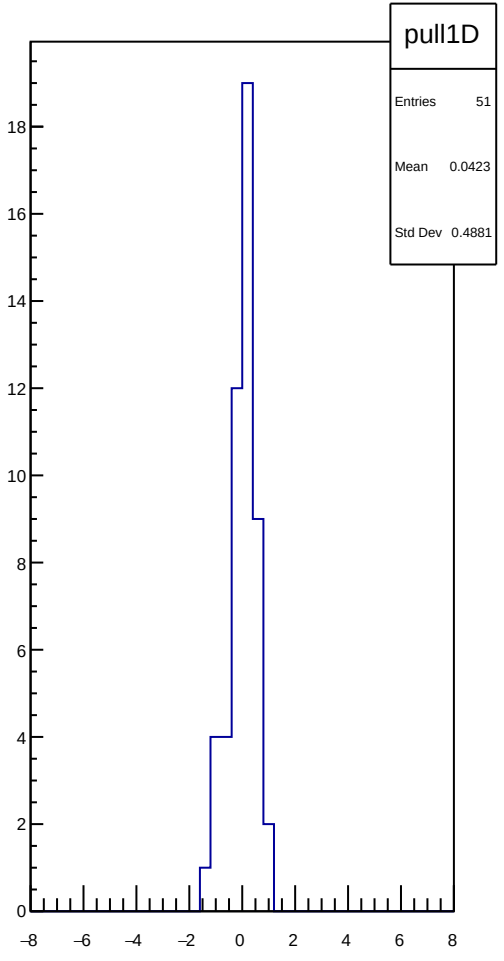

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 50
p0 −38.78 ± 6.768
pull
Entries 51
Mean 49.65
Std Dev 18.94

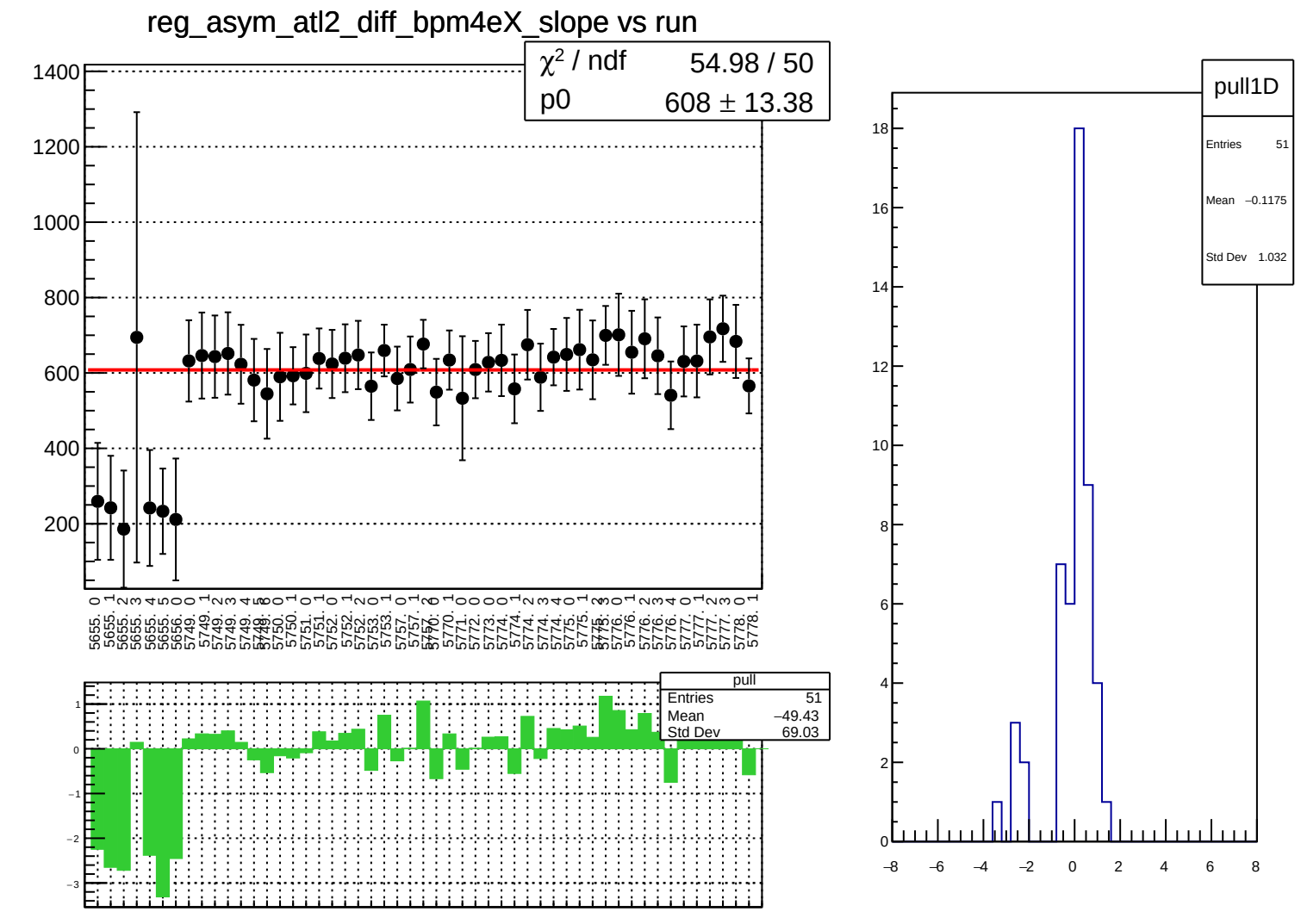

pull1D
Entries 51
Mean 0.08784
Std Dev 0.9209

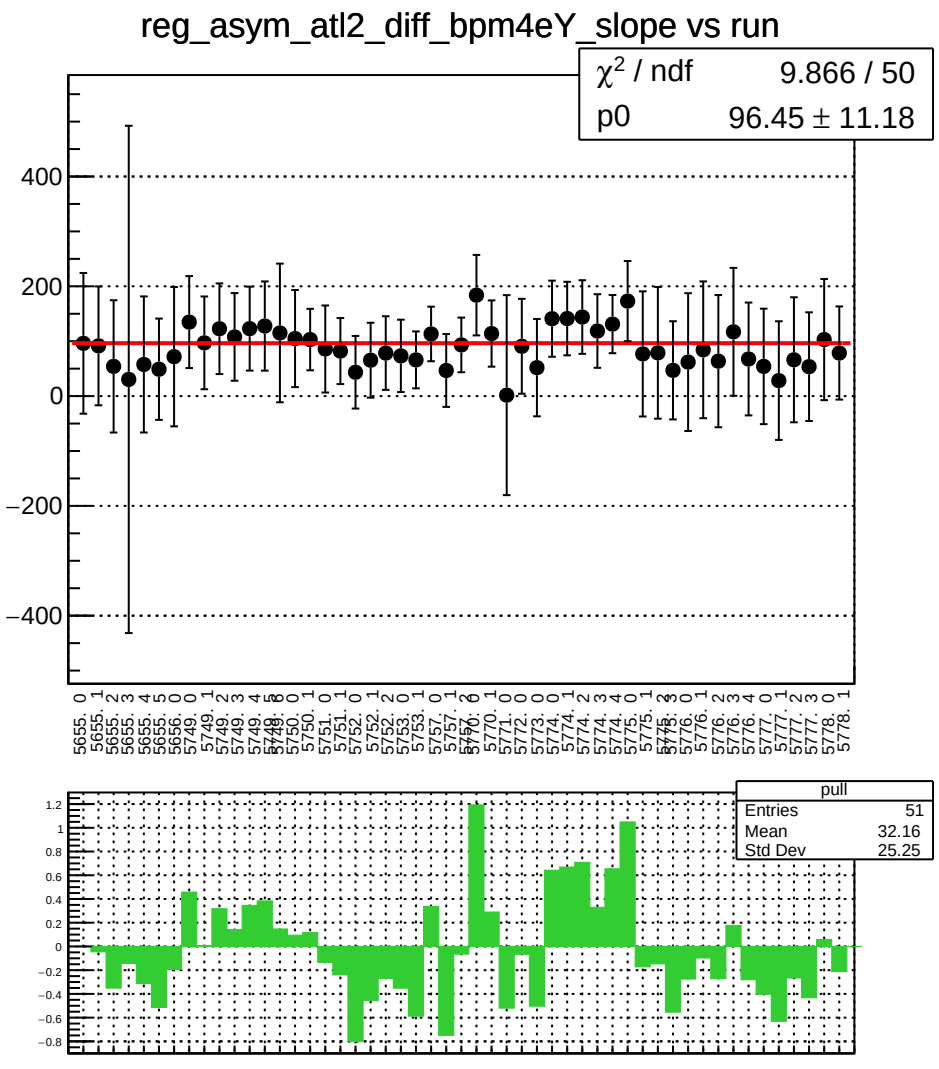

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 3770 / 50
p0 −49.71 ± 0.3274
pull
Entries 51
Mean 63.41
Std Dev 37.26
pull1D
Entries 51
Mean −3.132
Std Dev 2.19

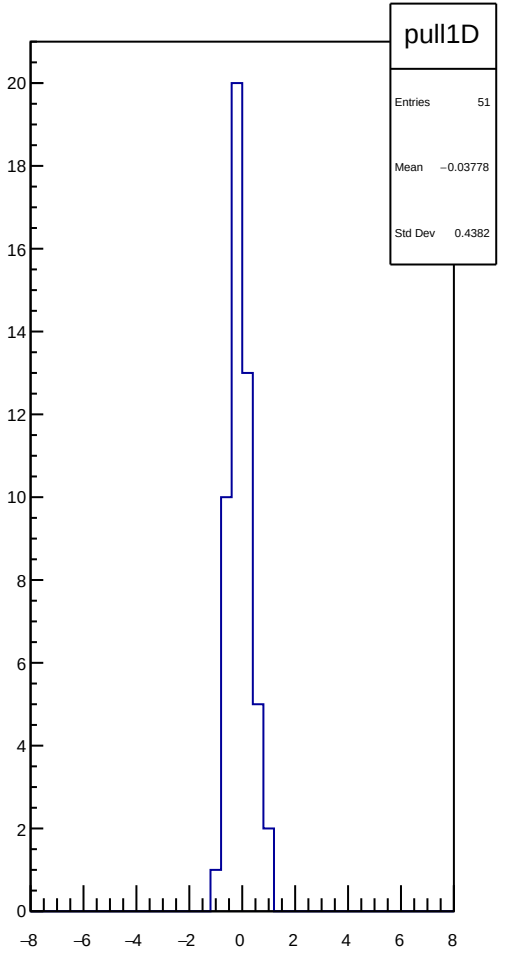

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 23.34 / 50
p0 −475.3 ± 10.36
pull
Entries 51
Mean −33.35
Std Dev 53.96
pull1D
Entries 51
Mean 0.08551
Std Dev 0.6711

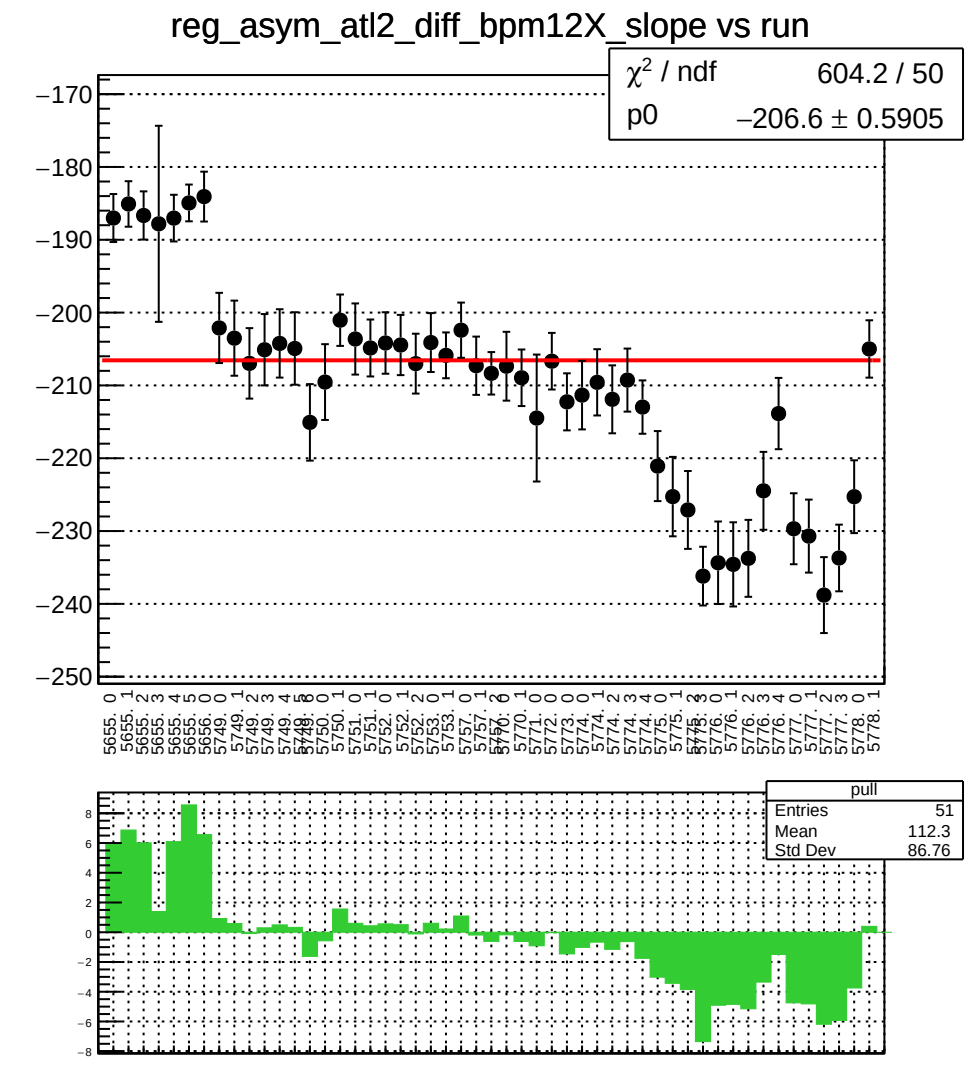

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.24 / 50
p0 7.043 ± 10.49
pull
Entries 51
Mean 26.5
Std Dev 24.69

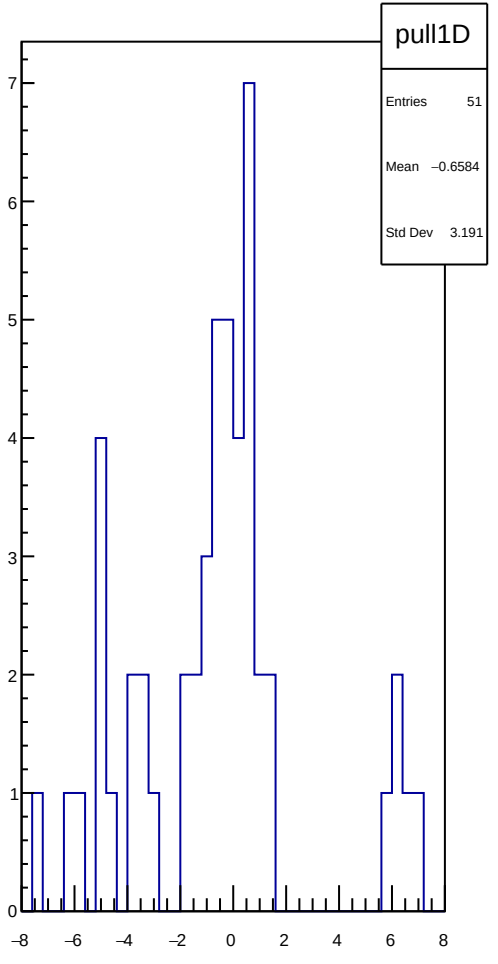

pull1D
Entries 51
Mean 0.0423
Std Dev 0.4881

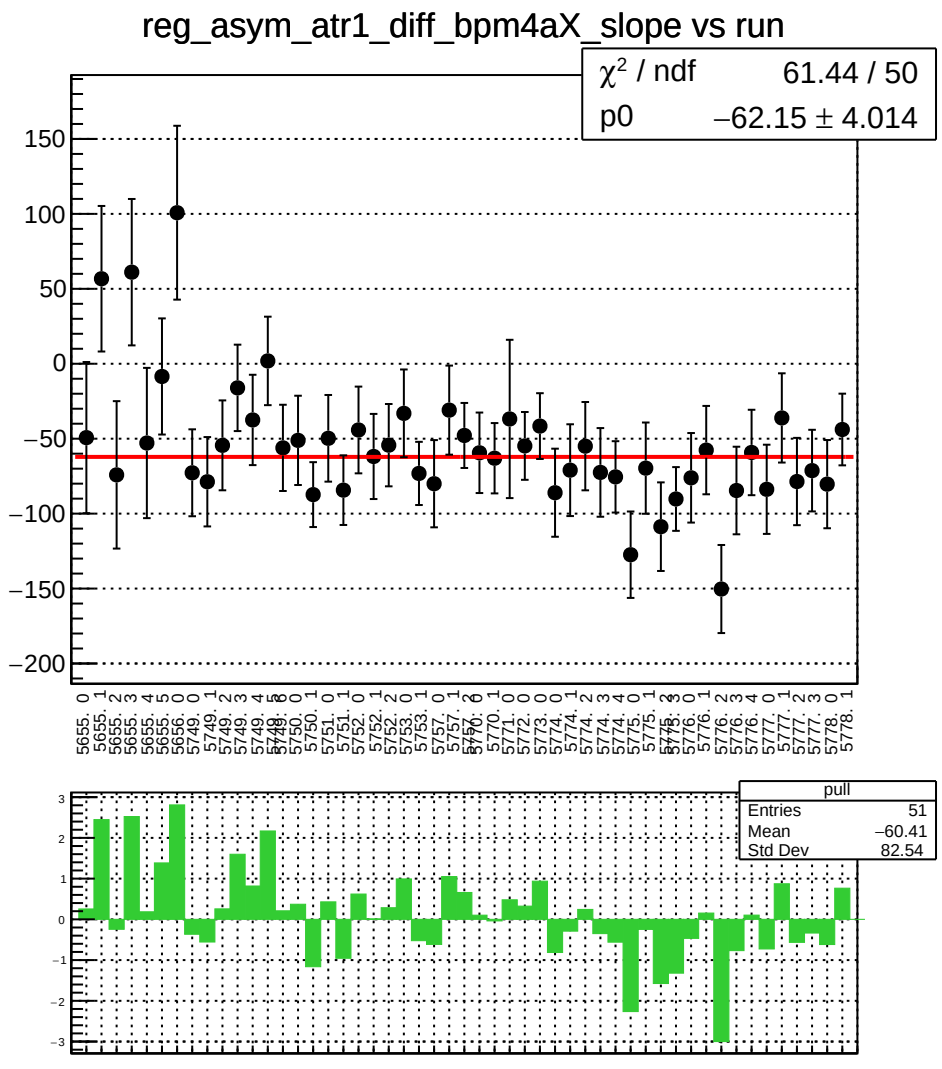

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 54.98 / 50
p0 608 ± 13.38
pull
Entries 51
Mean −49.43
Std Dev 69.03
pull1D
Entries 51
Mean −0.1175
Std Dev 1.032

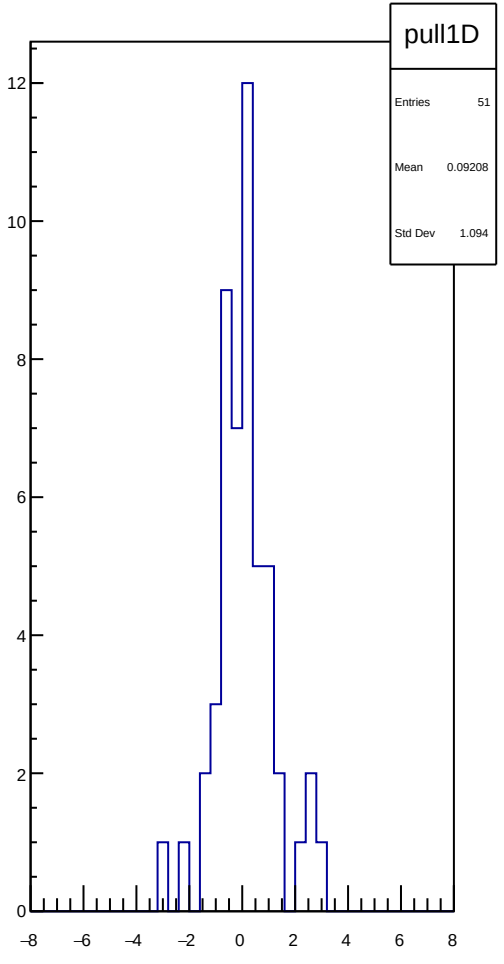

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.866 / 50
p0 96.45 ± 11.18
400
200
0
−200
−400
pull
Entries 51
Mean 32.16
Std Dev 25.25
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

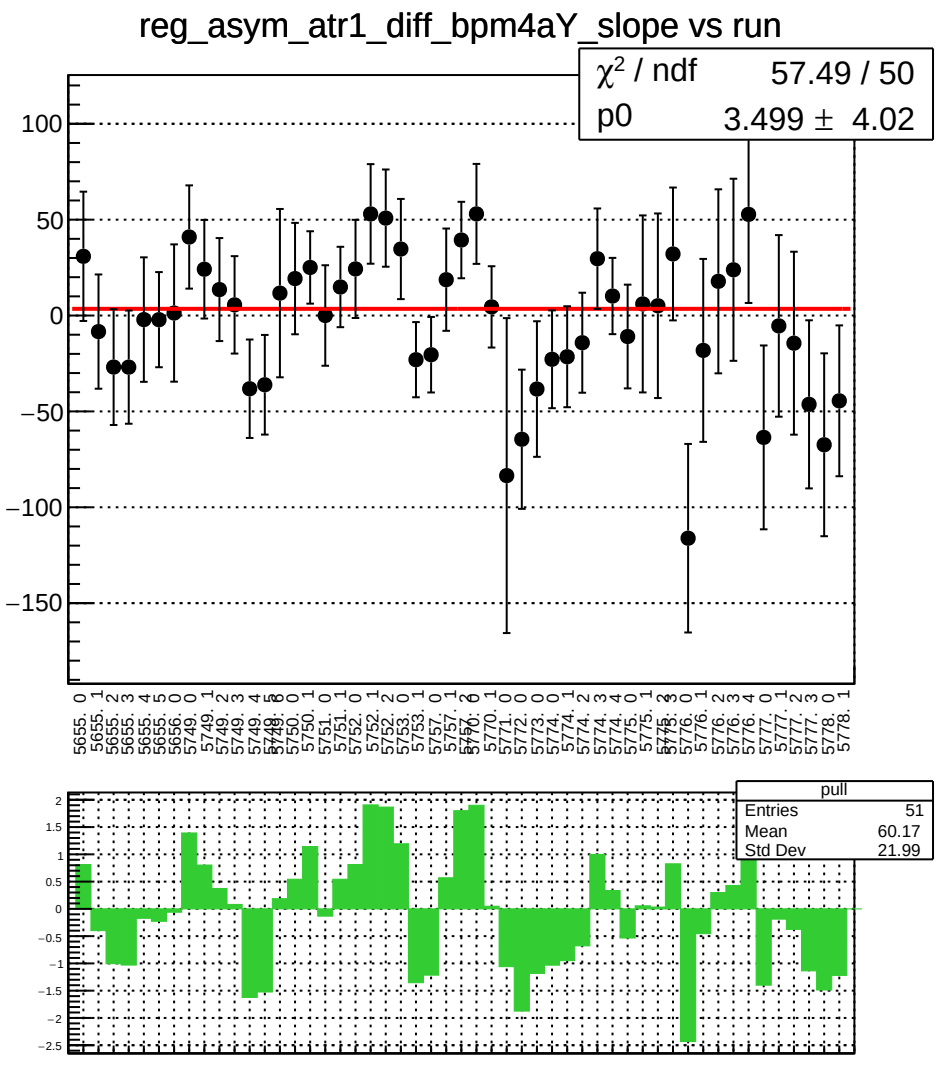

pull1D
Entries 51
Mean −0.03778
Std Dev 0.4382
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

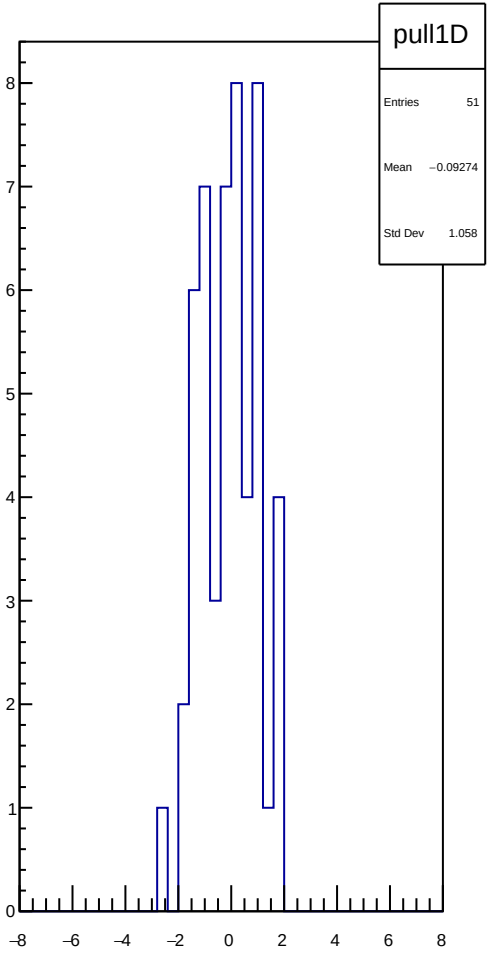

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 604.2 / 50
p0 −206.6 ± 0.5905
pull
Entries 51
Mean 112.3
Std Dev 86.76

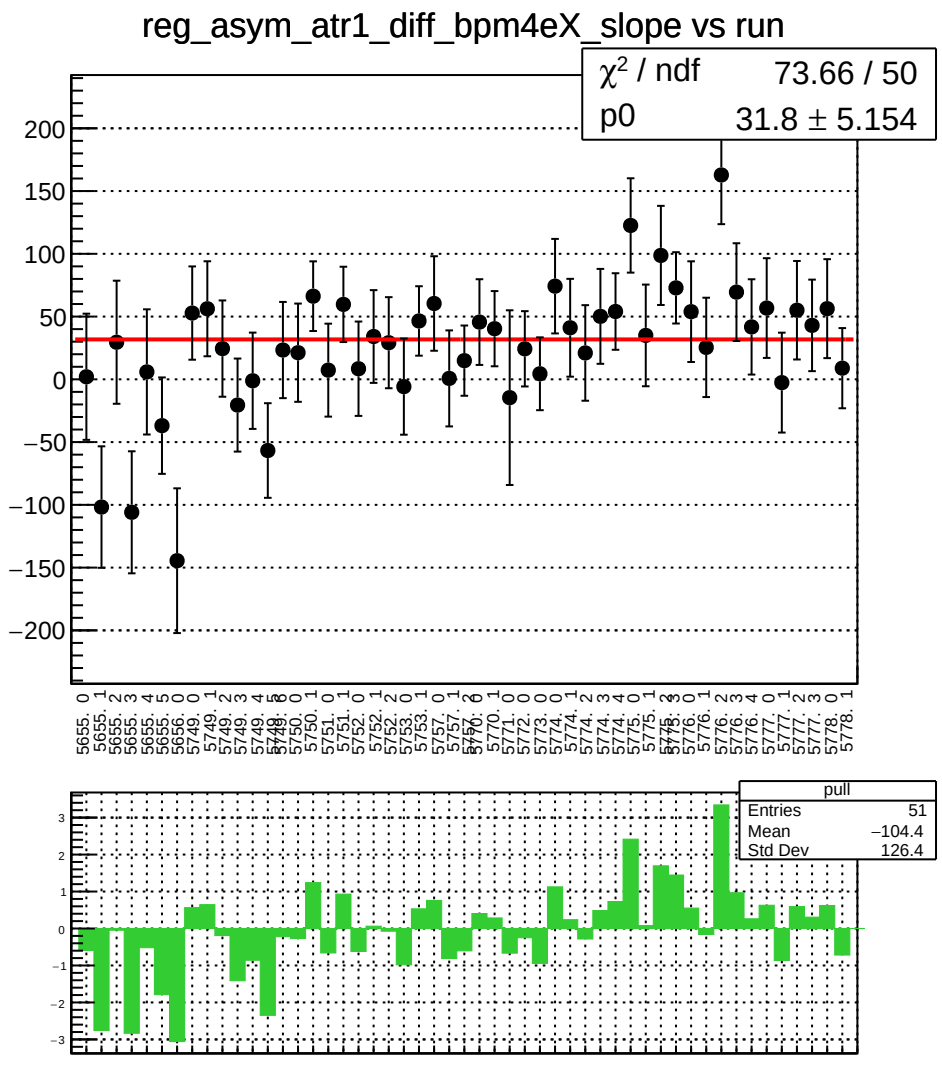

pull1D
Entries 51
Mean −0.6584
Std Dev 3.191

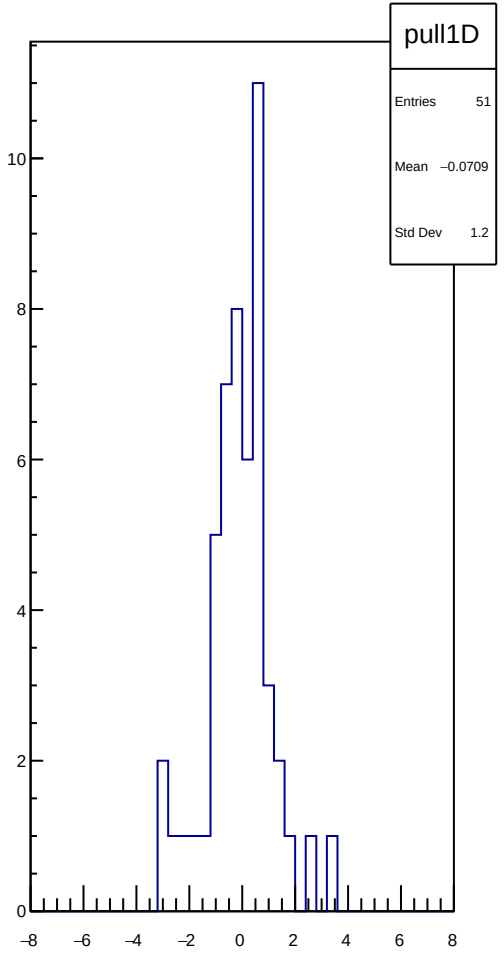

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 61.44 / 50
p0 −62.15 ± 4.014
pull
Entries 51
Mean −60.41
Std Dev 82.54

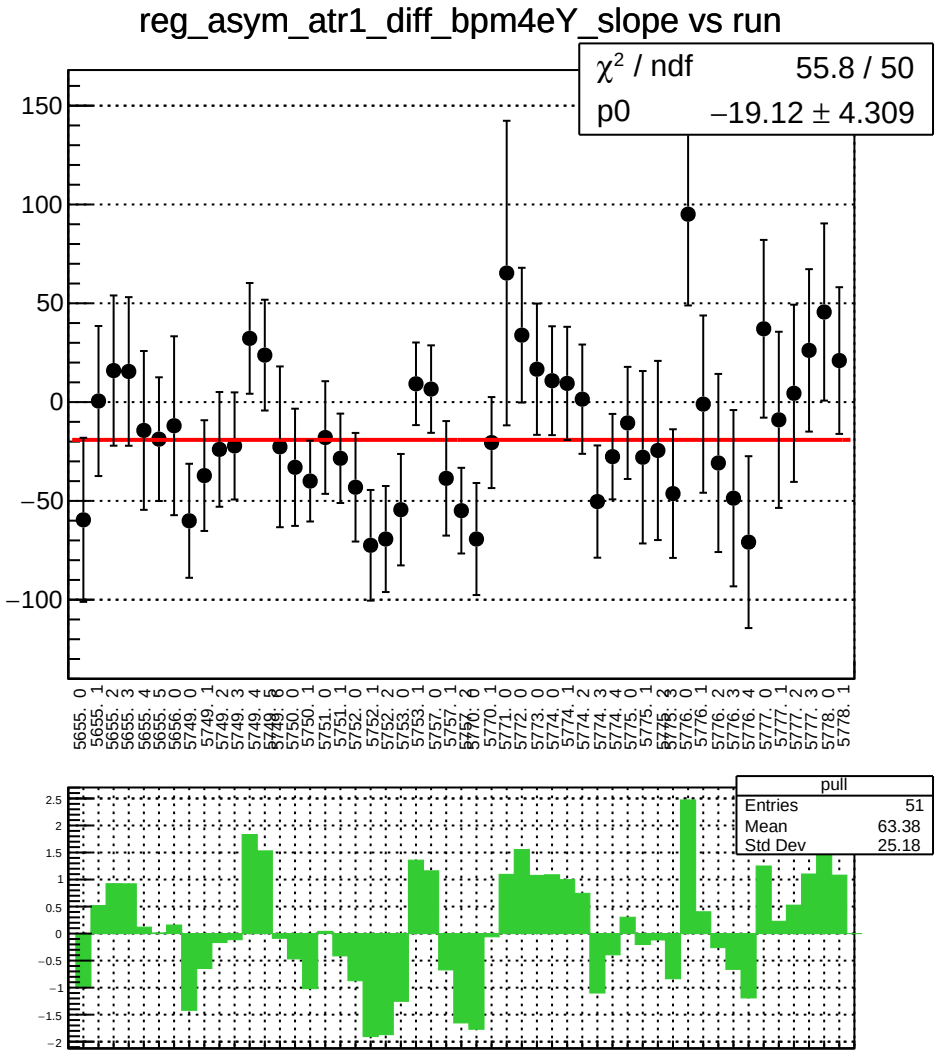

pull1D
Entries 51
Mean 0.09208
Std Dev 1.094

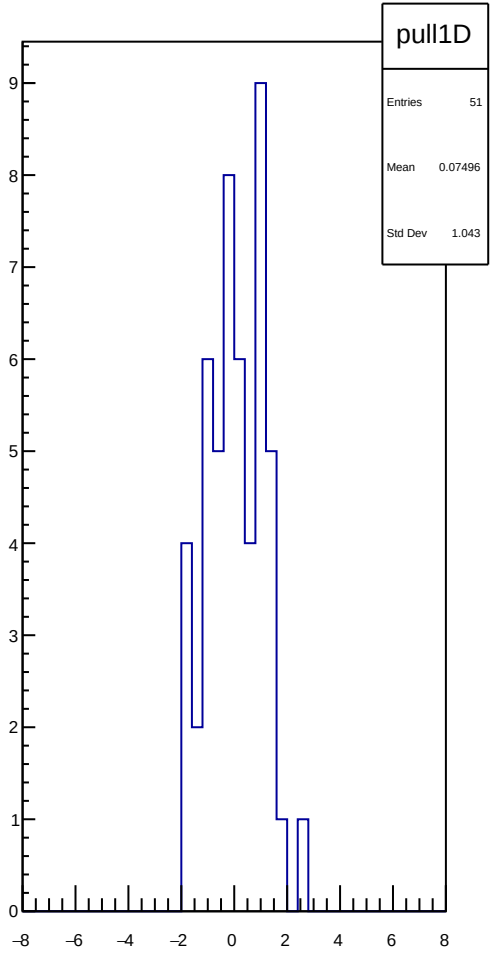

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 57.49 / 50
p0 3.499 ± 4.02
pull
Entries 51
Mean 60.17
Std Dev 21.99

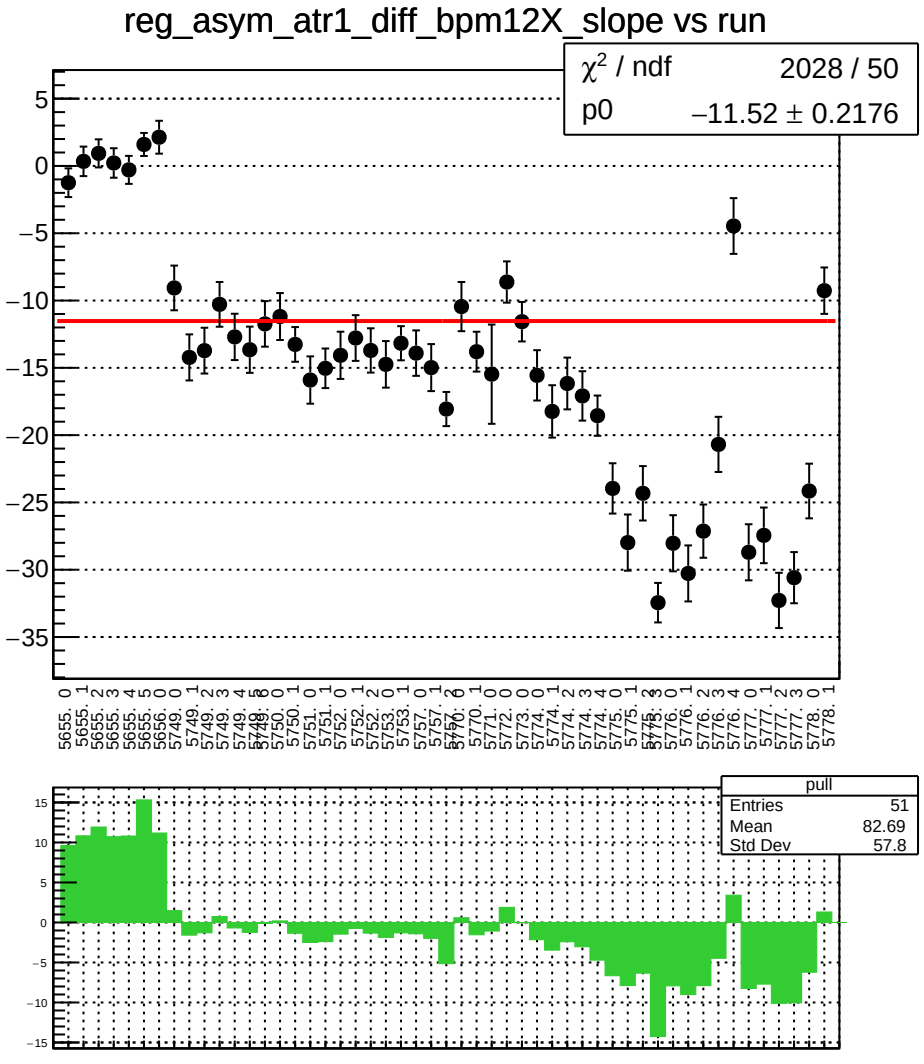

pull1D
Entries 51
Mean −0.09274
Std Dev 1.058

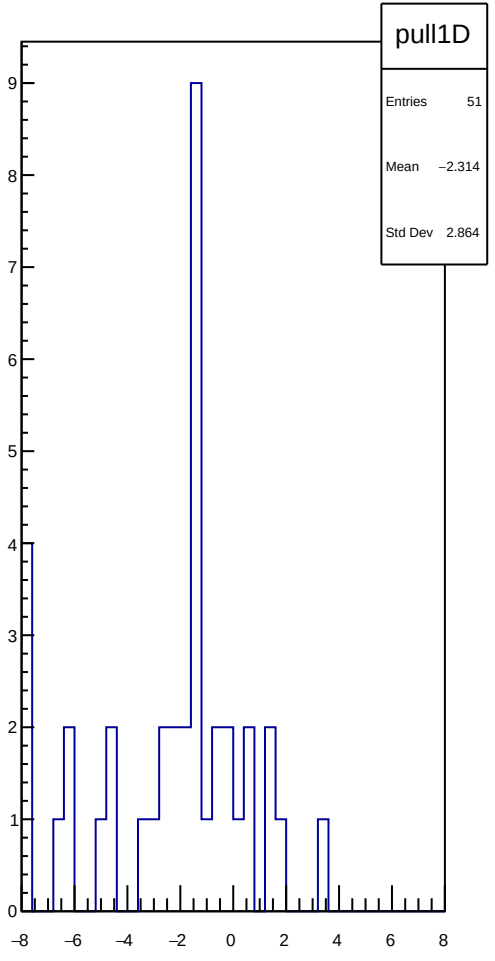

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 73.66 / 50
p0 31.8 ± 5.154
pull
Entries 51
Mean −104.4
Std Dev 126.4

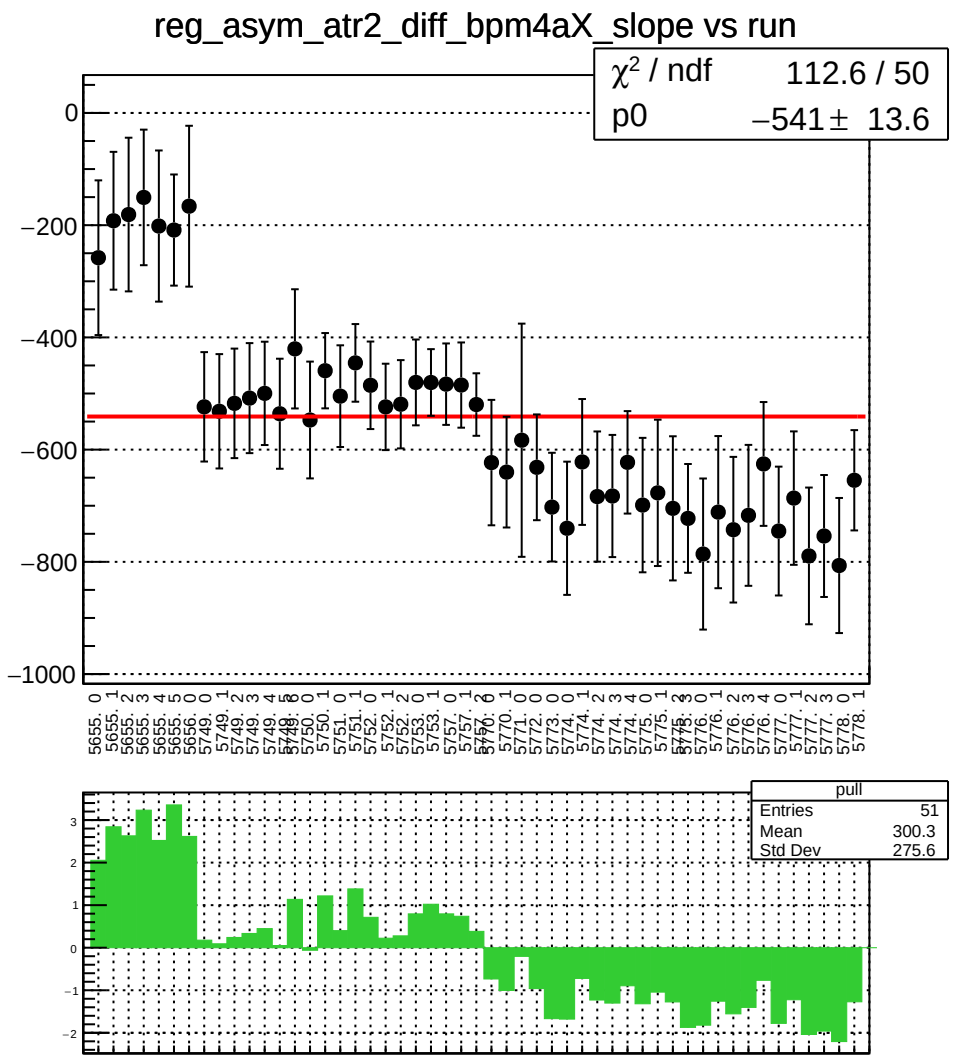

pull1D
Entries 51
Mean −0.0709
Std Dev 1.2

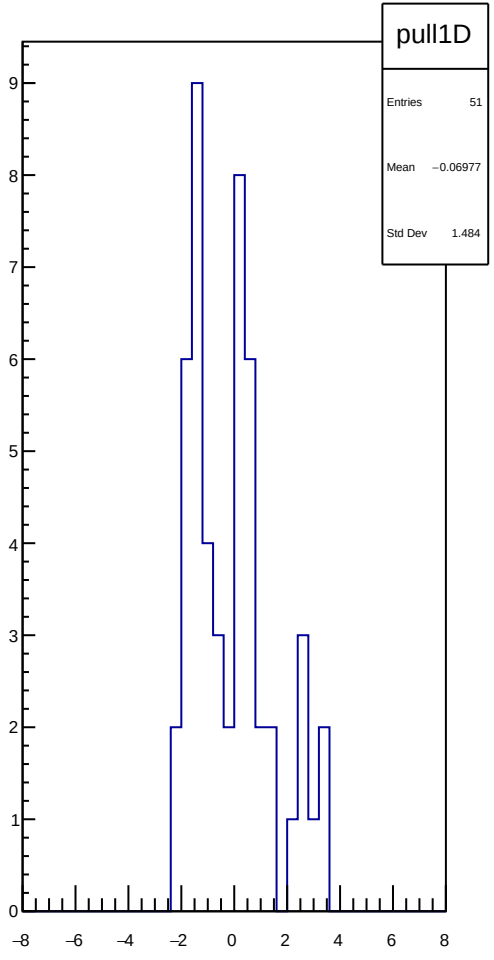

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 55.8 / 50
p0 −19.12 ± 4.309
pull
Entries 51
Mean 63.38
Std Dev 25.18

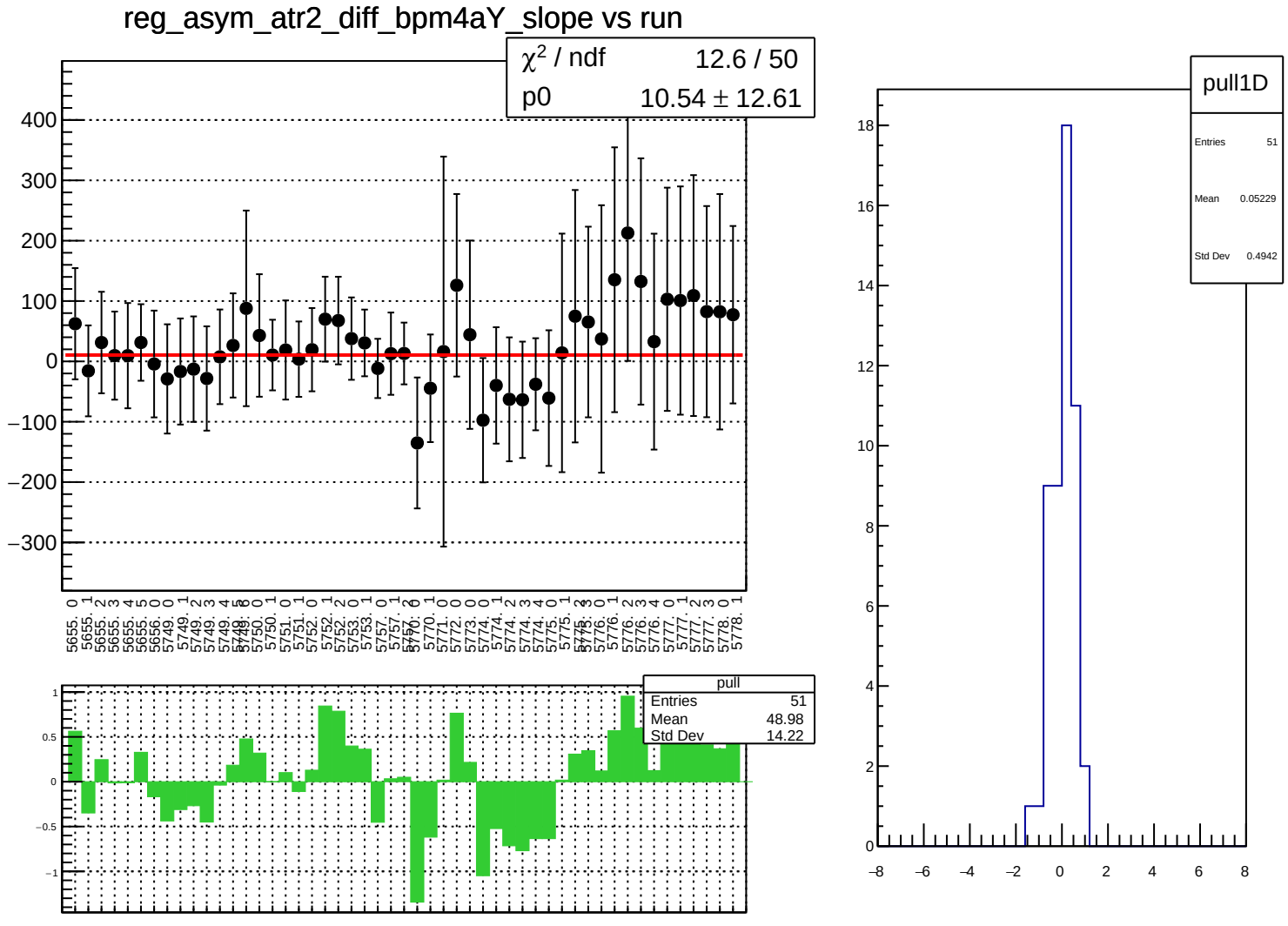

pull1D
Entries 51
Mean 0.07496
Std Dev 1.043

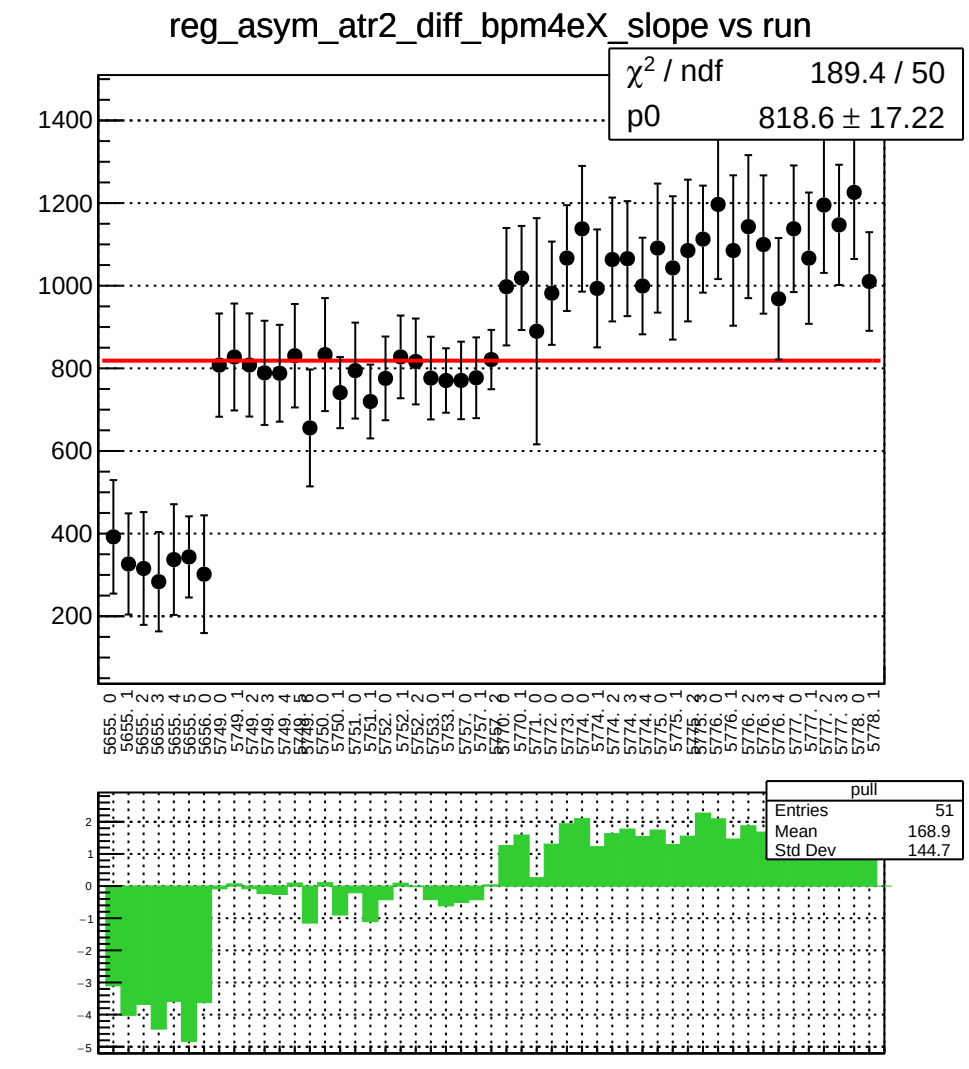

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 2028 / 50
p0 −11.52 ± 0.2176
pull
Entries 51
Mean 82.69
Std Dev 57.8

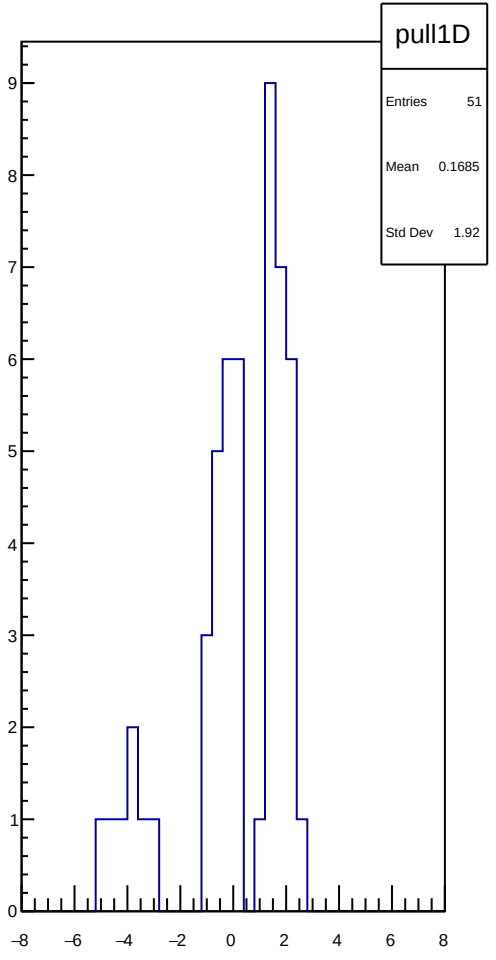

pull1D
Entries 51
Mean −2.314
Std Dev 2.864

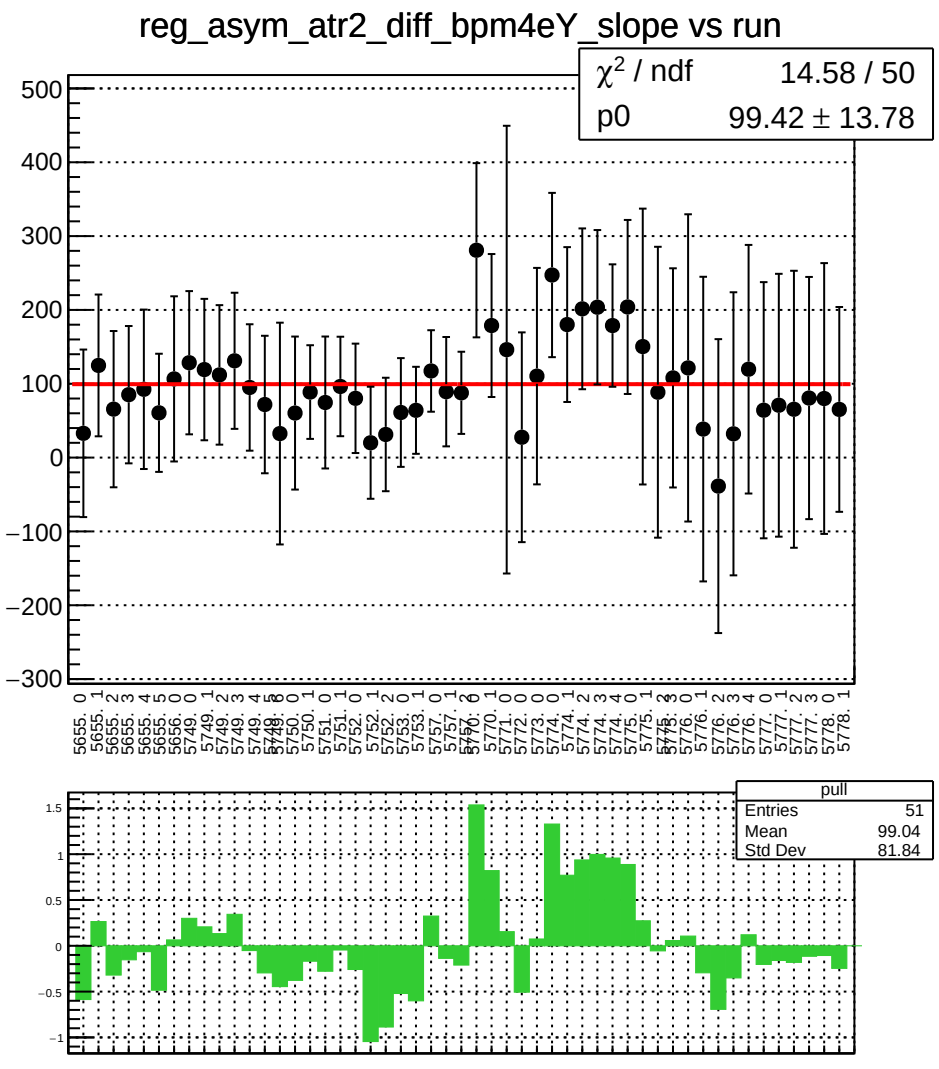

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 112.6 / 50
p0 −541 ± 13.6
pull
Entries 51
Mean 300.3
Std Dev 275.6

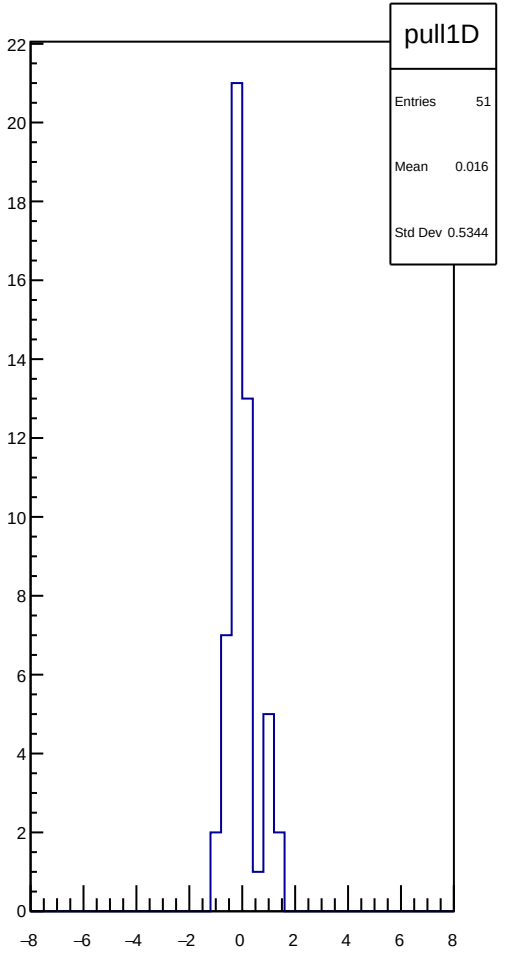

pull1D
Entries 51
Mean −0.06977
Std Dev 1.484

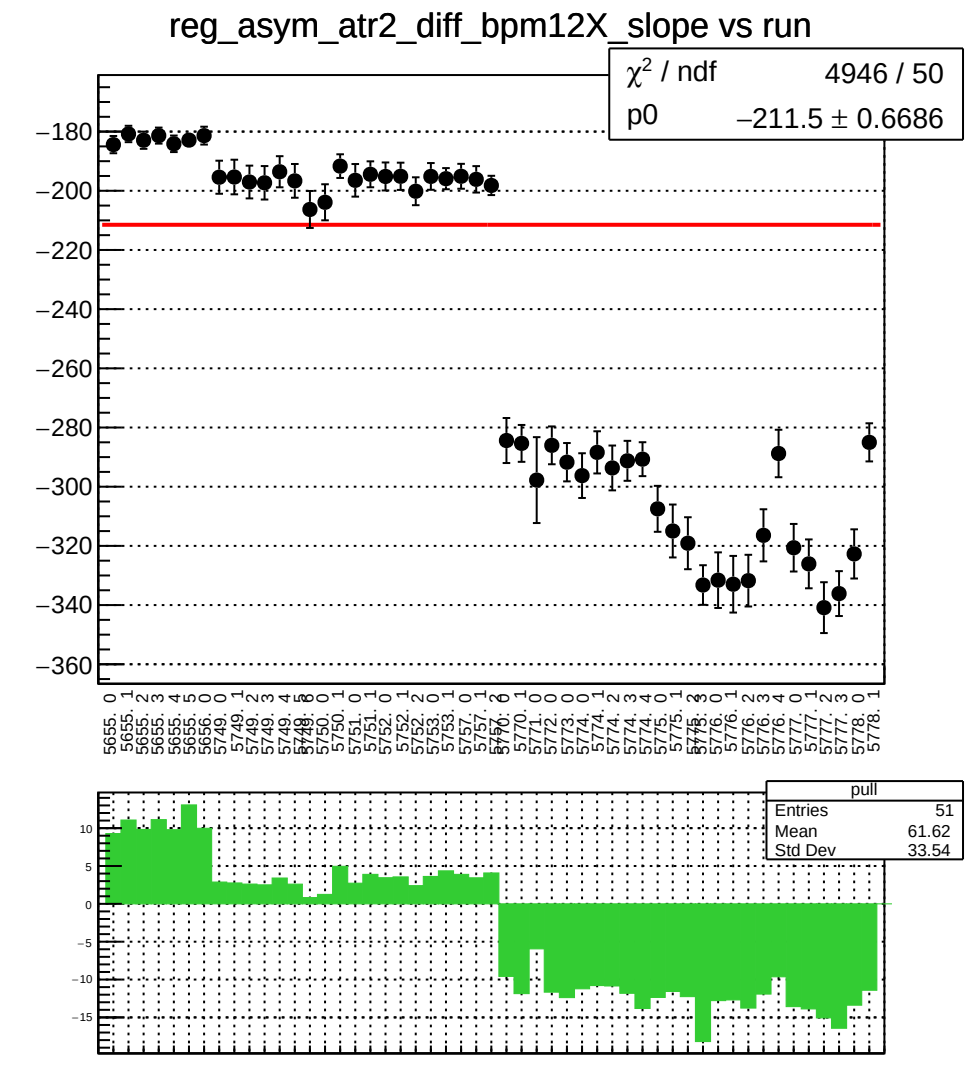

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 12.6 / 50
p0 10.54 ± 12.61
pull
Entries 51
Mean 48.98
Std Dev 14.22
pull1D
Entries 51
Mean 0.05229
Std Dev 0.4942

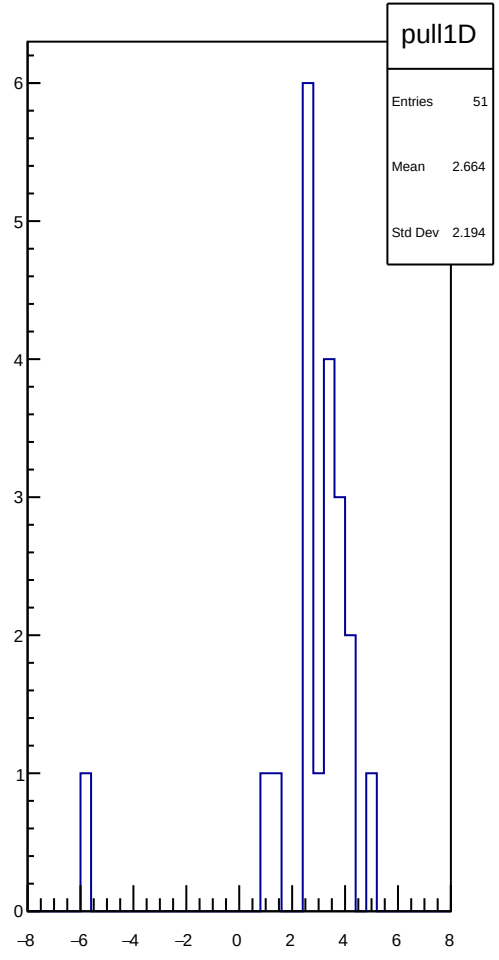

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 189.4 / 50
p0 818.6 ± 17.22
pull
Entries 51
Mean 168.9
Std Dev 144.7

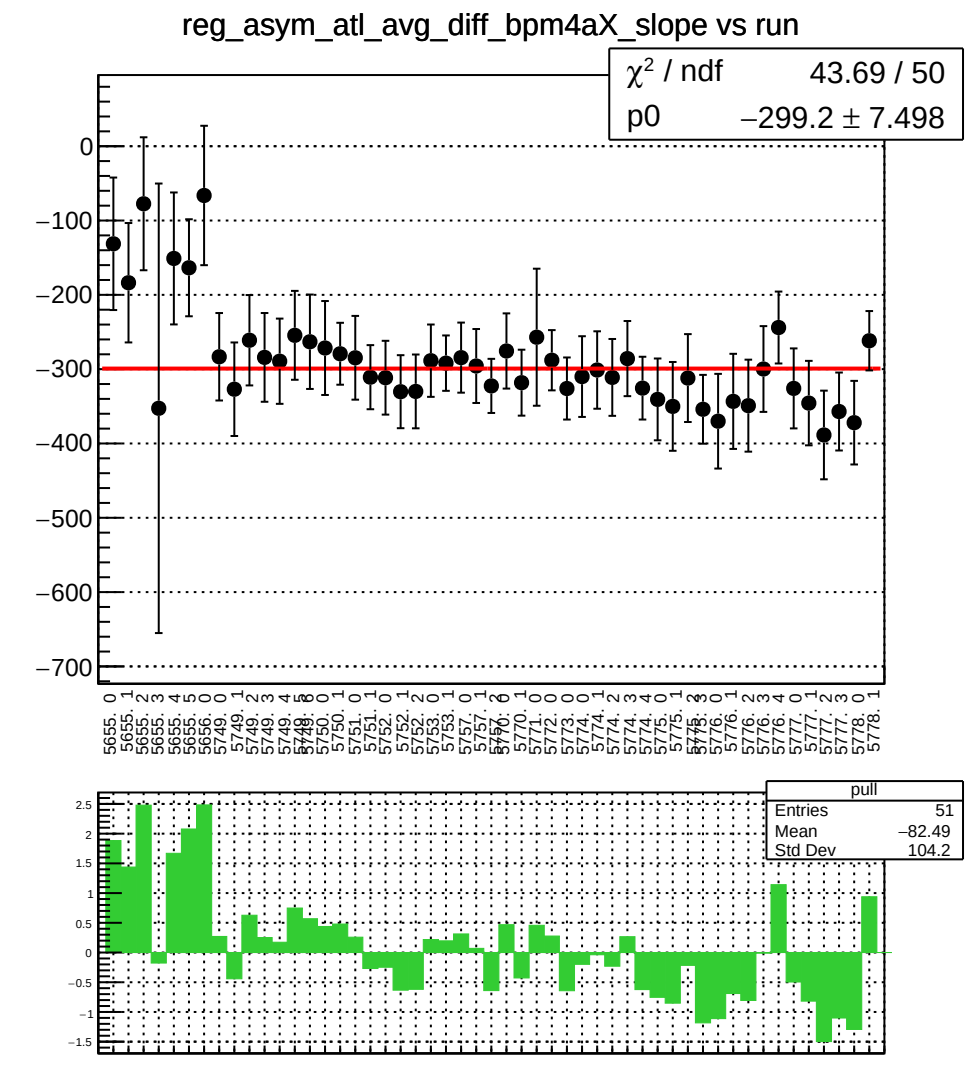

pull1D
Entries 51
Mean 0.1685
Std Dev 1.92

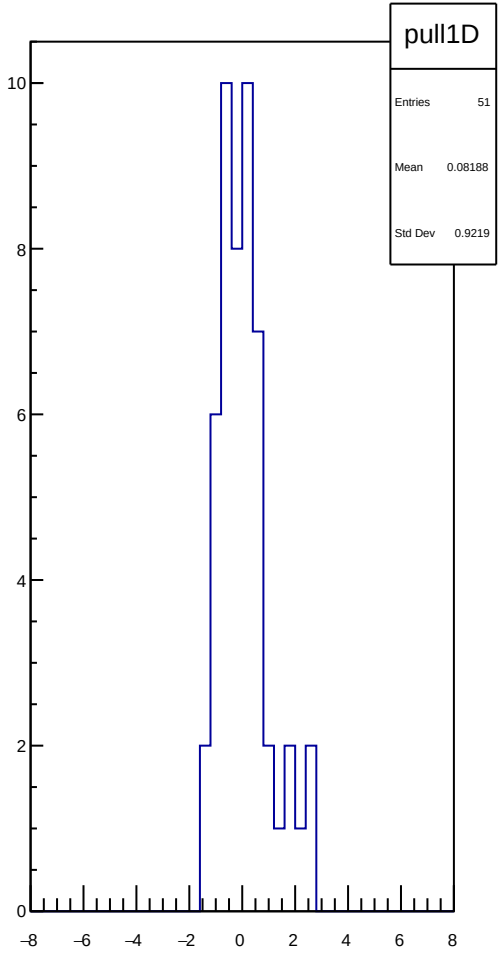

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.58 / 50
p0 99.42 ± 13.78
pull
Entries 51
Mean 99.04
Std Dev 81.84

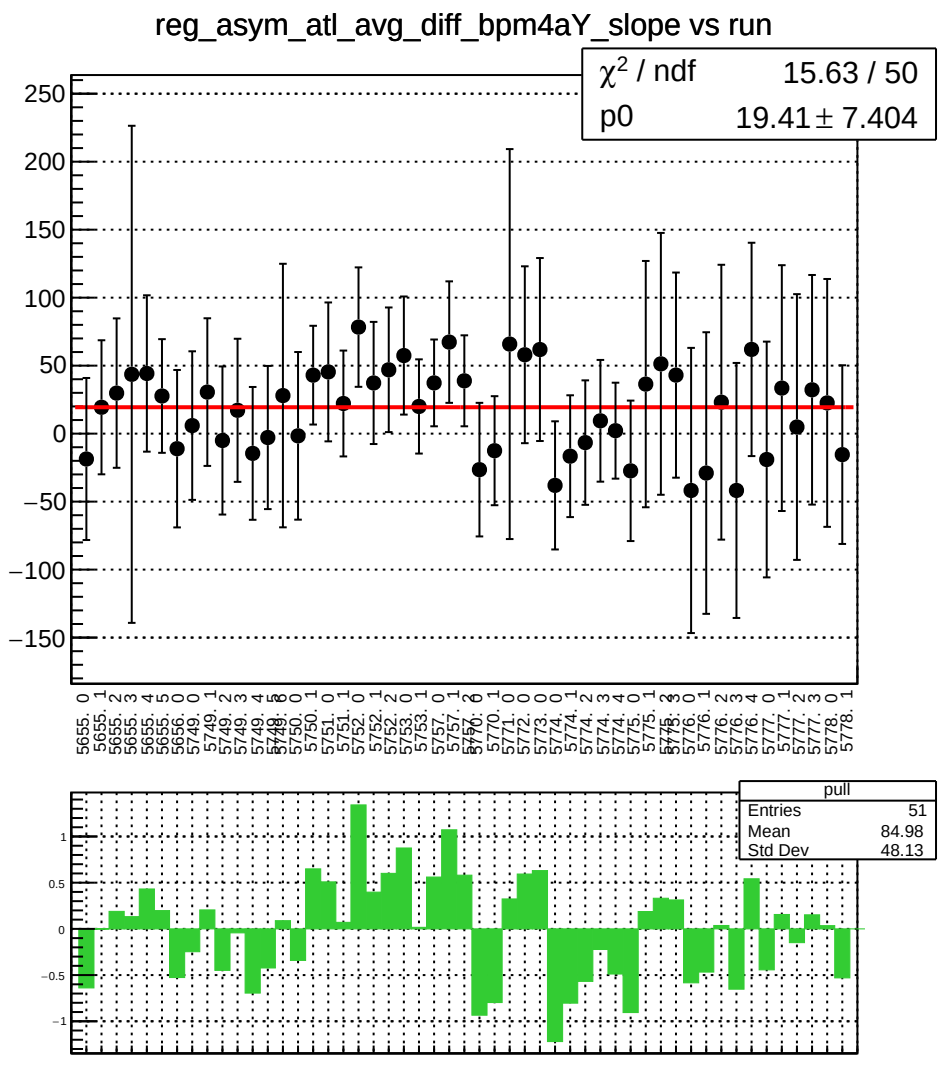

pull1D
Entries 51
Mean 0.016
Std Dev 0.5344

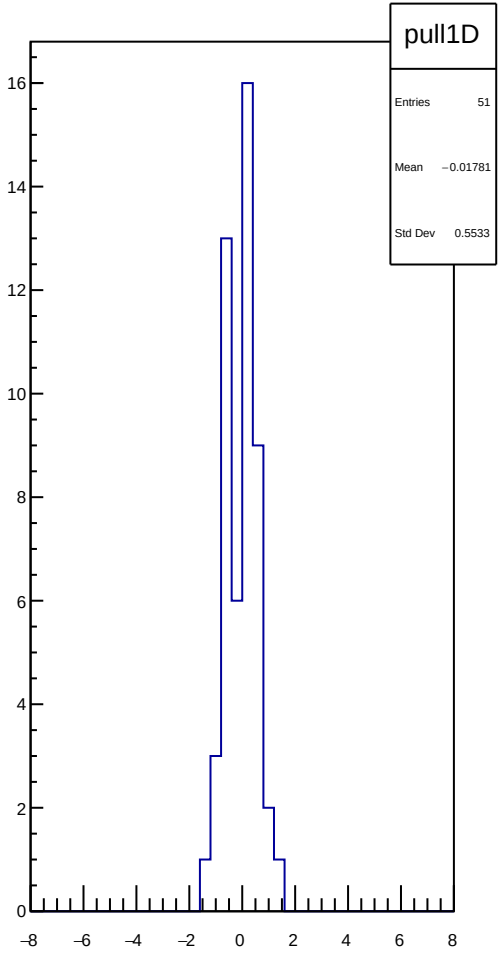

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 4946 / 50
p0 −211.5 ± 0.6686
pull
Entries 51
Mean 61.62
Std Dev 33.54

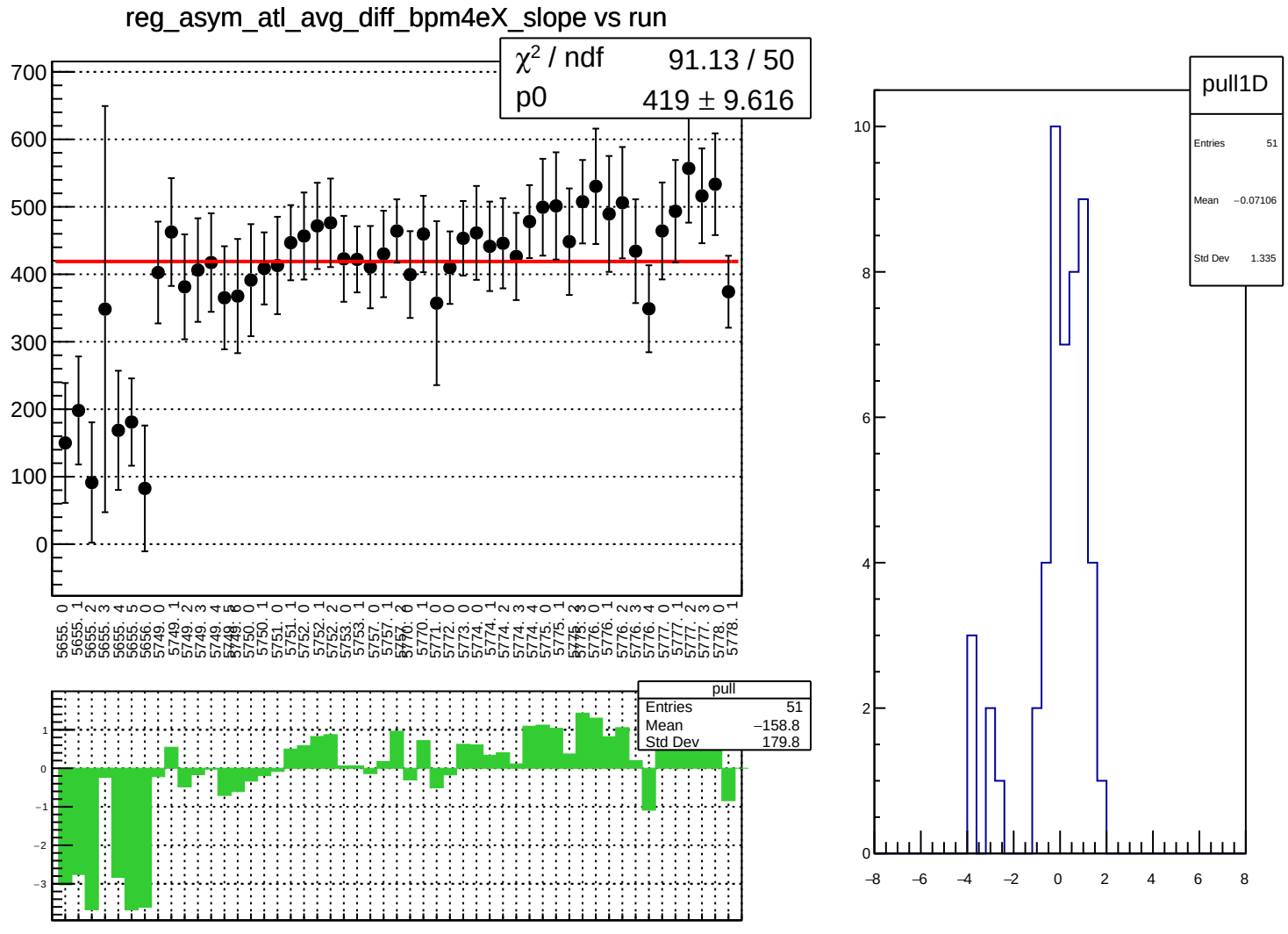

pull1D
Entries 51
Mean 2.664
Std Dev 2.194

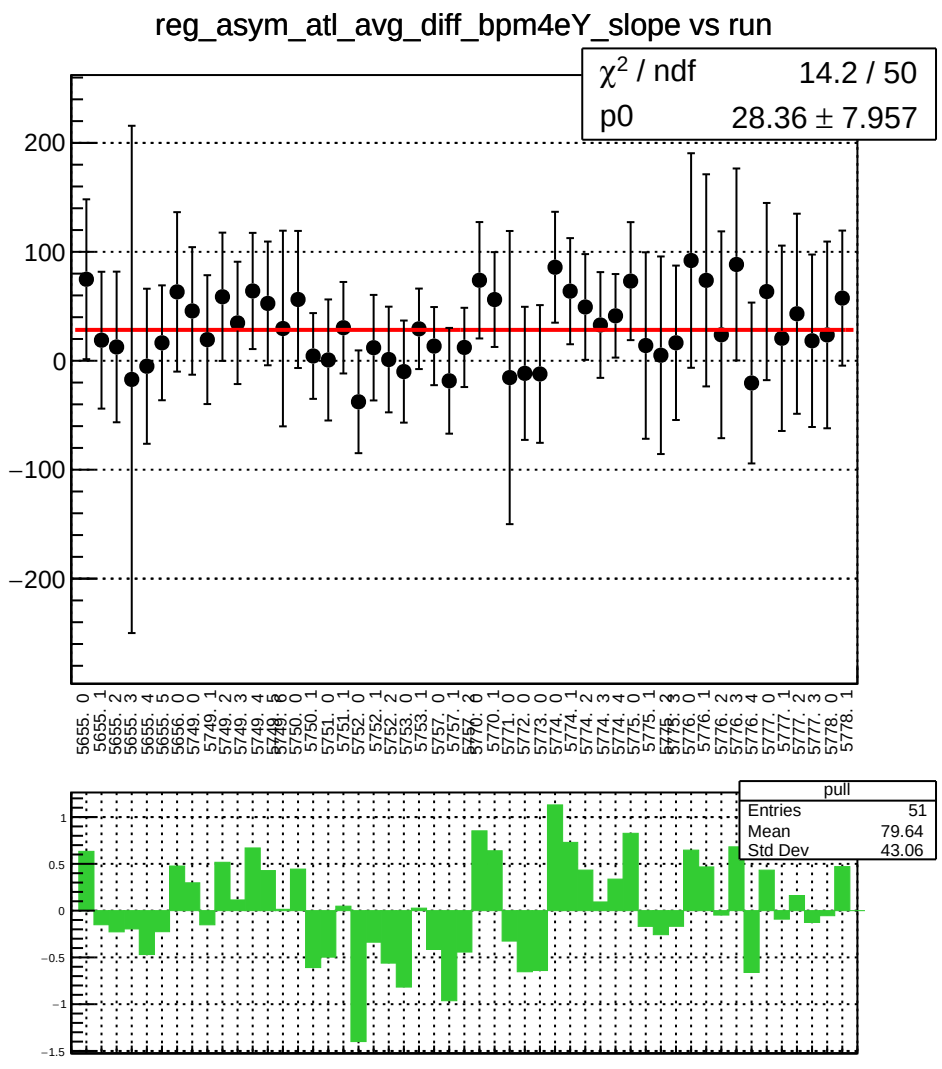

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 43.69 / 50
p0 −299.2 ± 7.498
pull
Entries 51
Mean −82.49
Std Dev 104.2

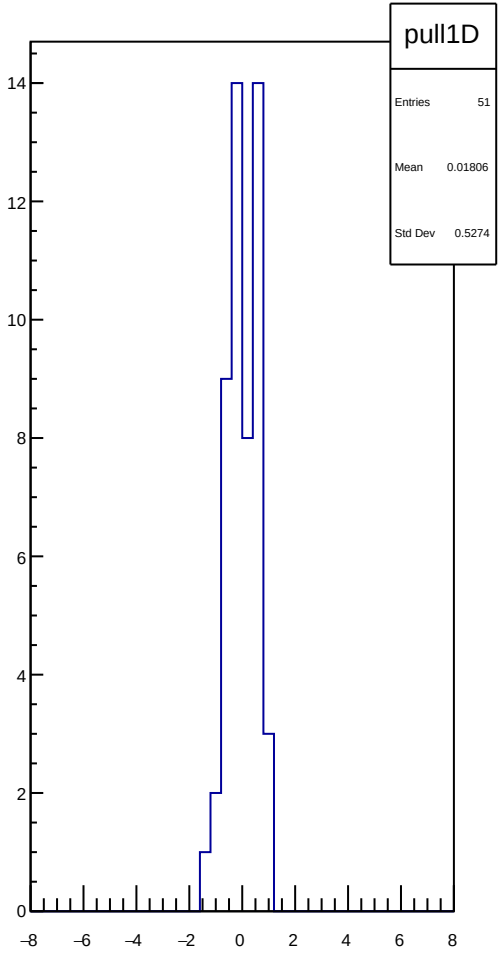

pull1D
Entries 51
Mean 0.08188
Std Dev 0.9219

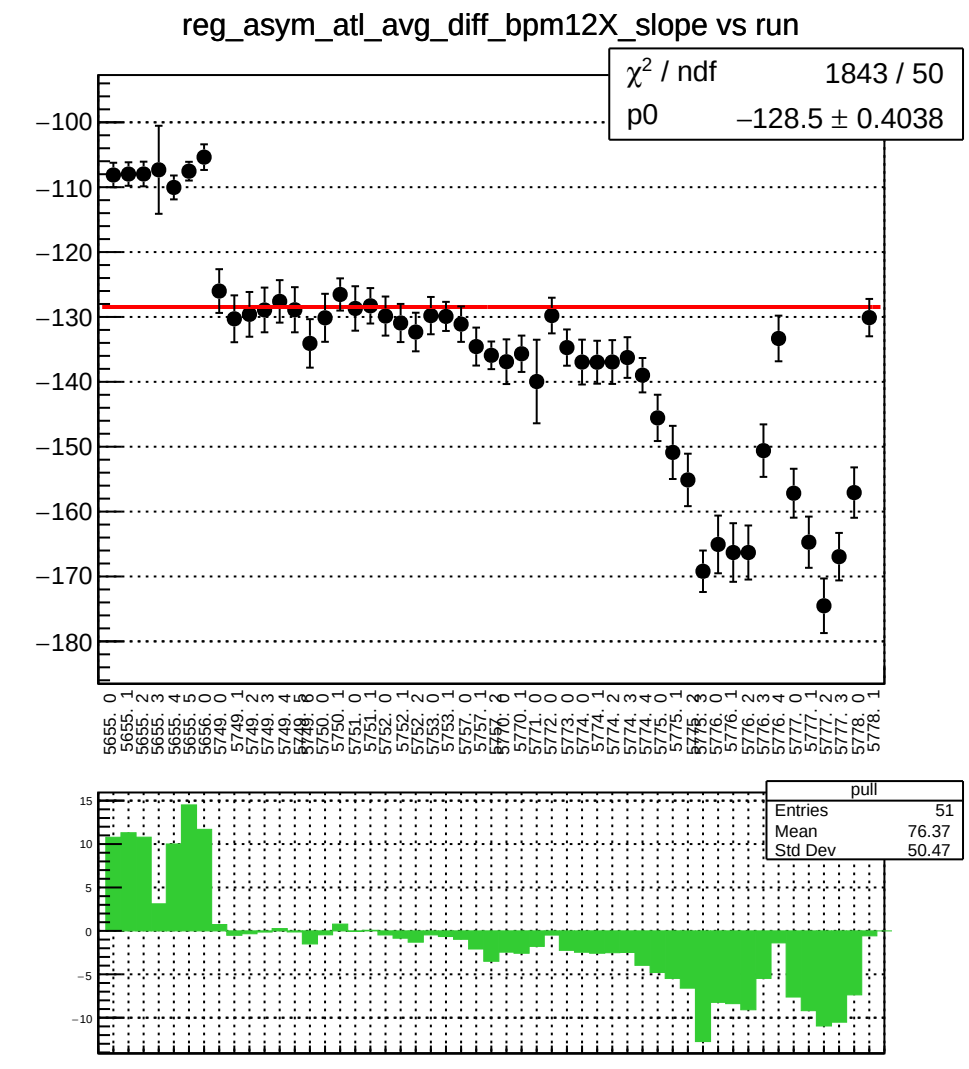

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.63 / 50
p0 19.41 ± 7.404
pull
Entries 51
Mean 84.98
Std Dev 48.13

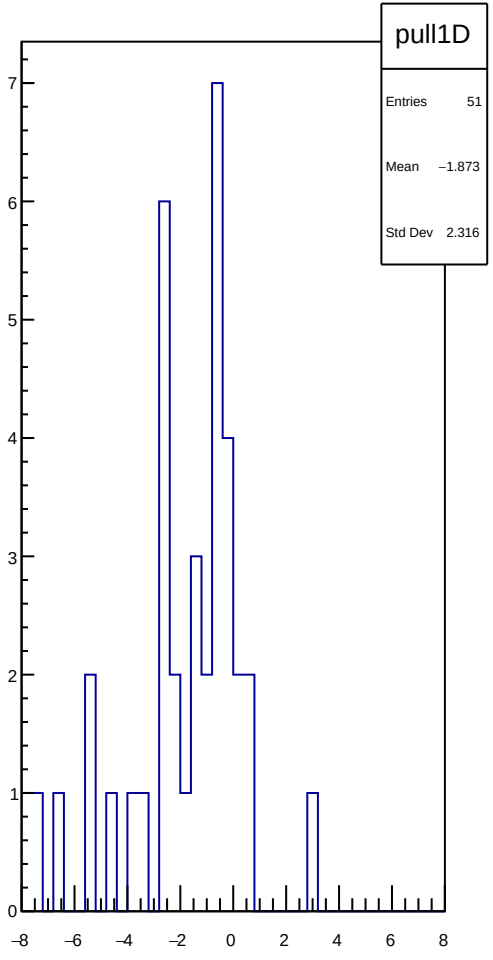

pull1D
Entries 51
Mean −0.01781
Std Dev 0.5533

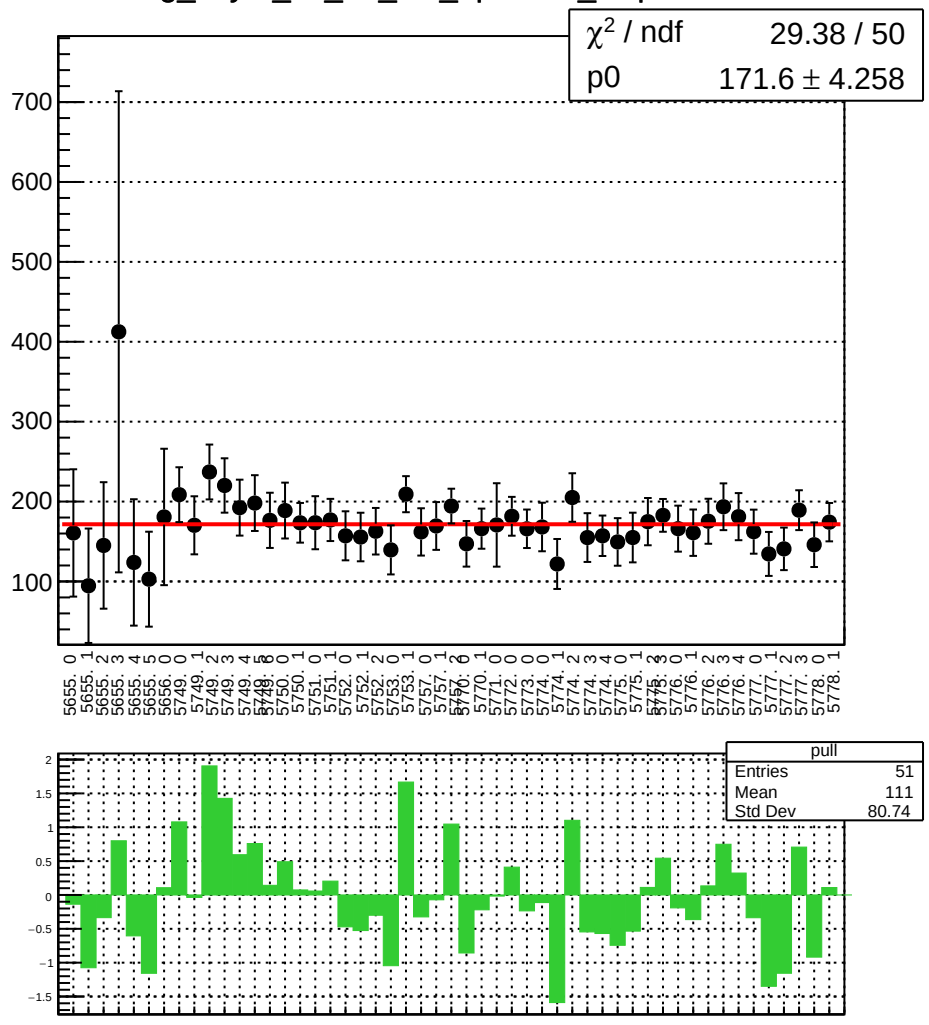

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.13 / 50
p0 419 ± 9.616
pull
Entries 51
Mean −158.8
Std Dev 179.8
pull1D
Entries 51
Mean −0.07106
Std Dev 1.335

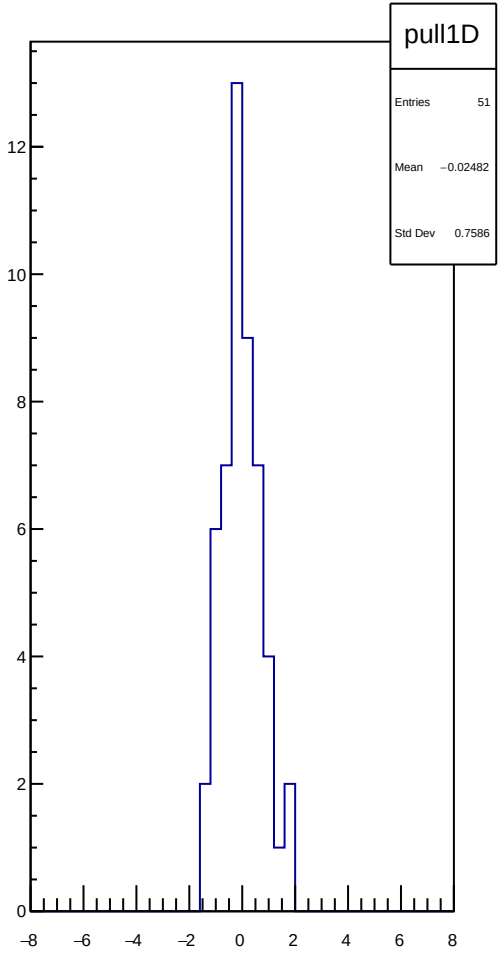

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.2 / 50
p0 28.36 ± 7.957
200
100
0
−100
−200
pull
Entries 51
Mean 79.64
Std Dev 43.06
1
0.5
0
−0.5
−1
−1.5

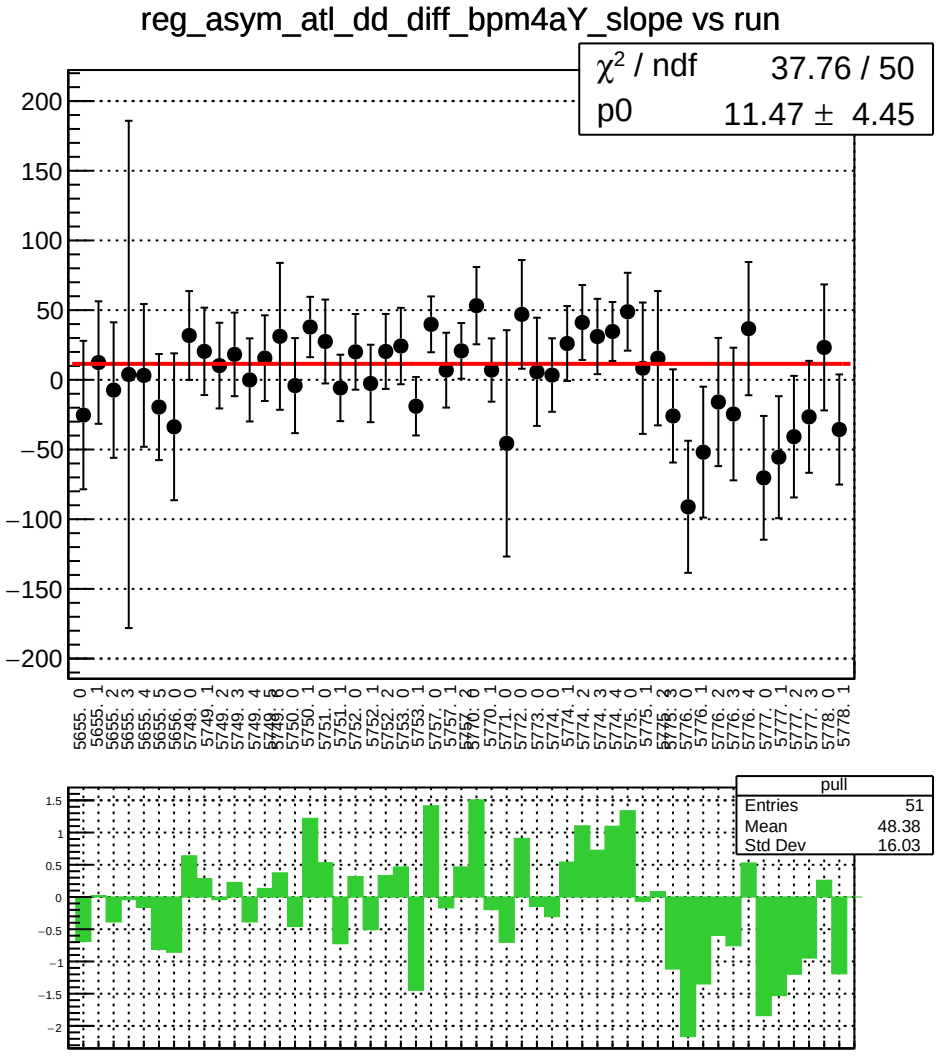

pull1D
Entries 51
Mean 0.01806
Std Dev 0.5274
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

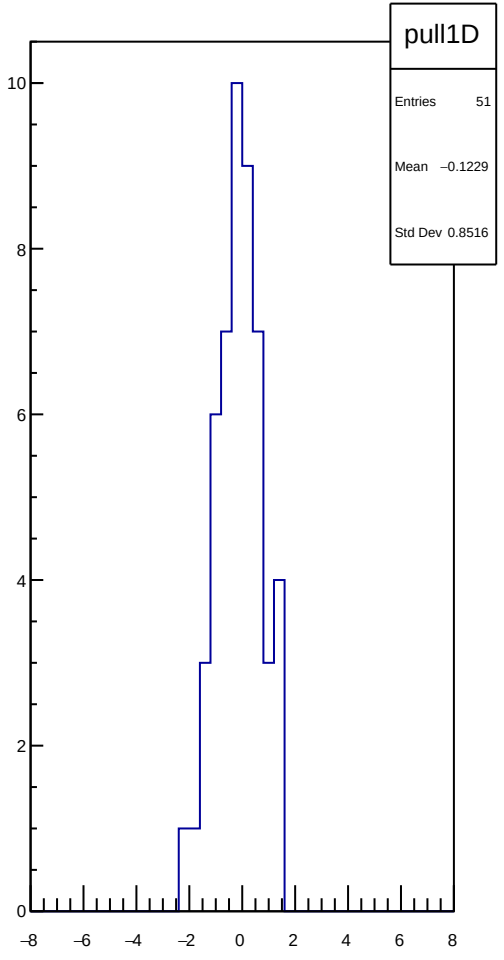

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1843 / 50
p0 −128.5 ± 0.4038
pull
Entries 51
Mean 76.37
Std Dev 50.47

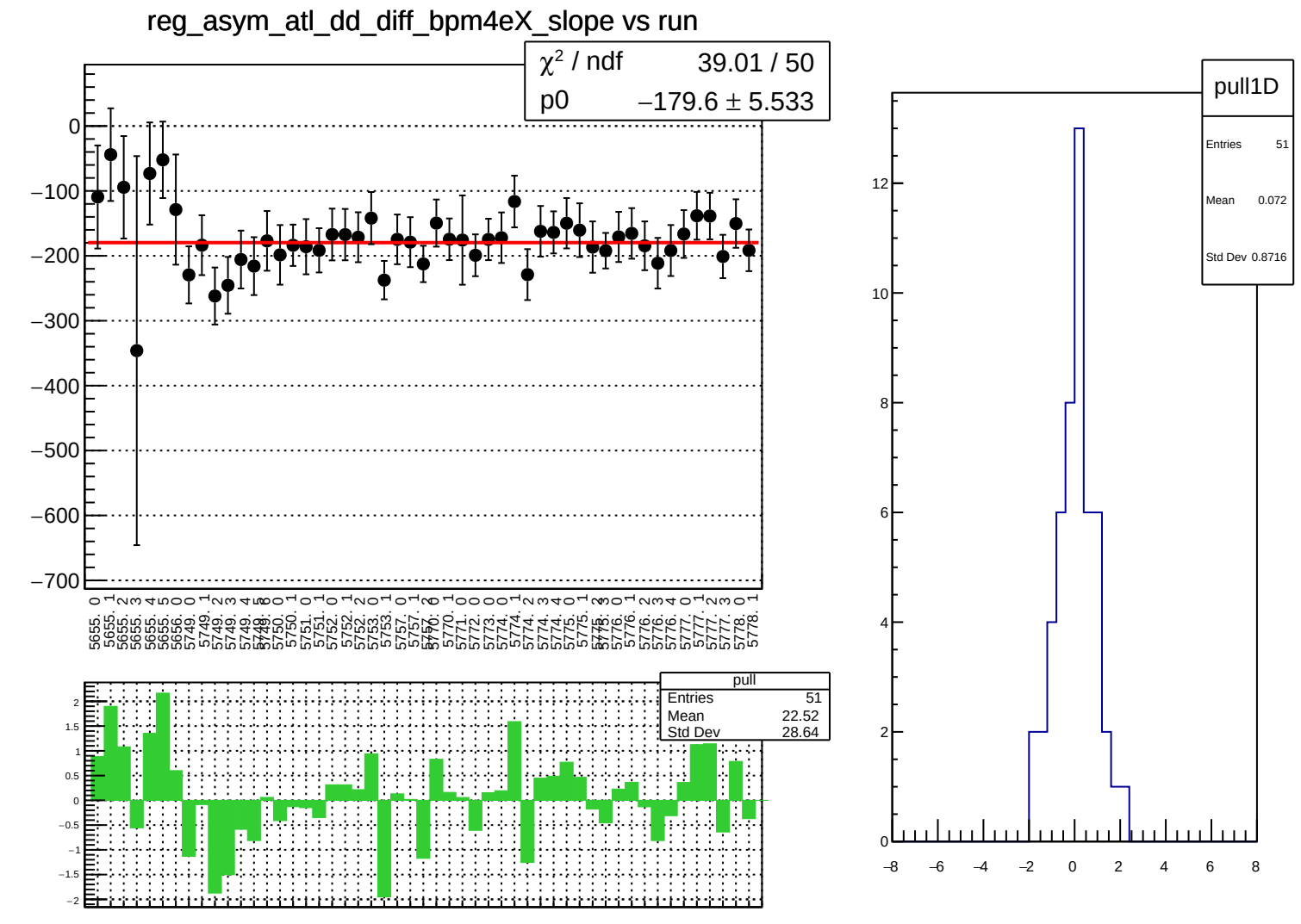

pull1D
Entries 51
Mean −1.873
Std Dev 2.316

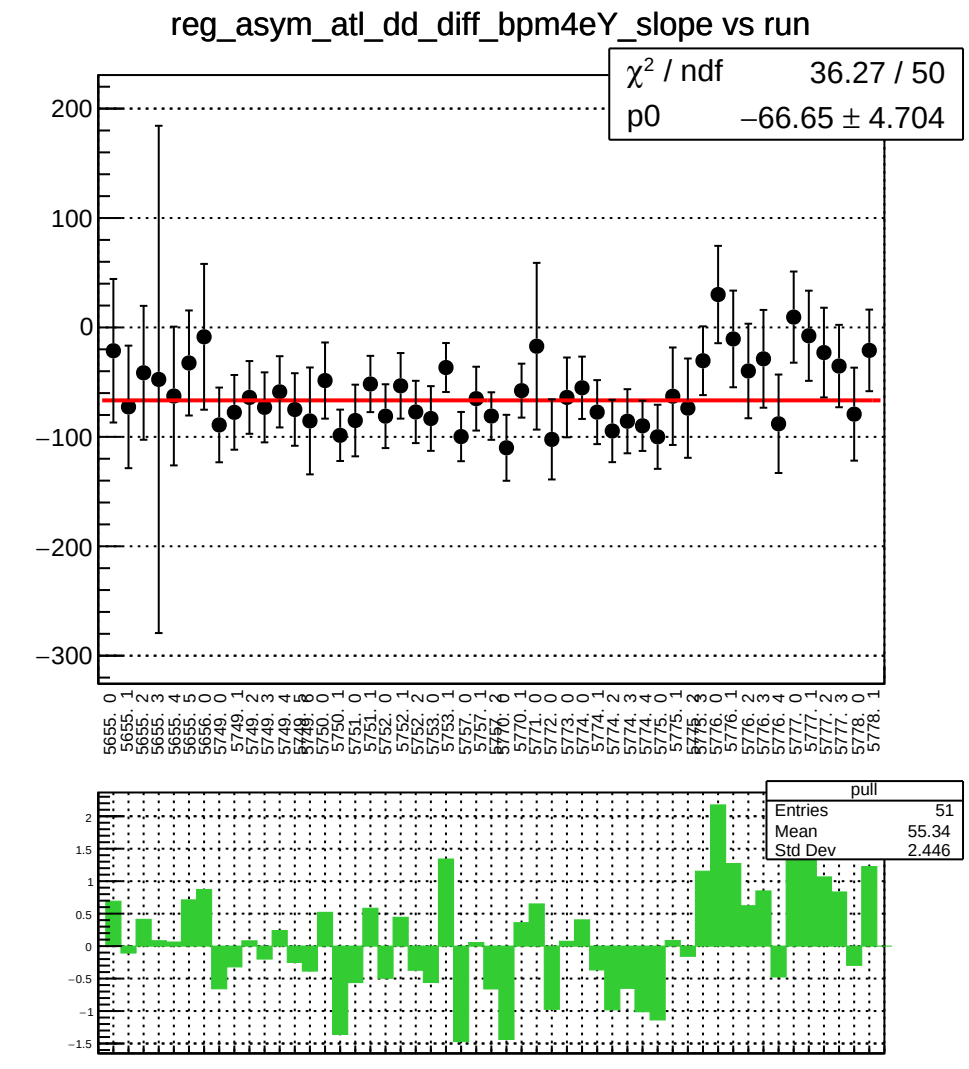

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 29.38 / 50
p0 171.6 ± 4.258
pull
Entries 51
Mean 111
Std Dev 80.74

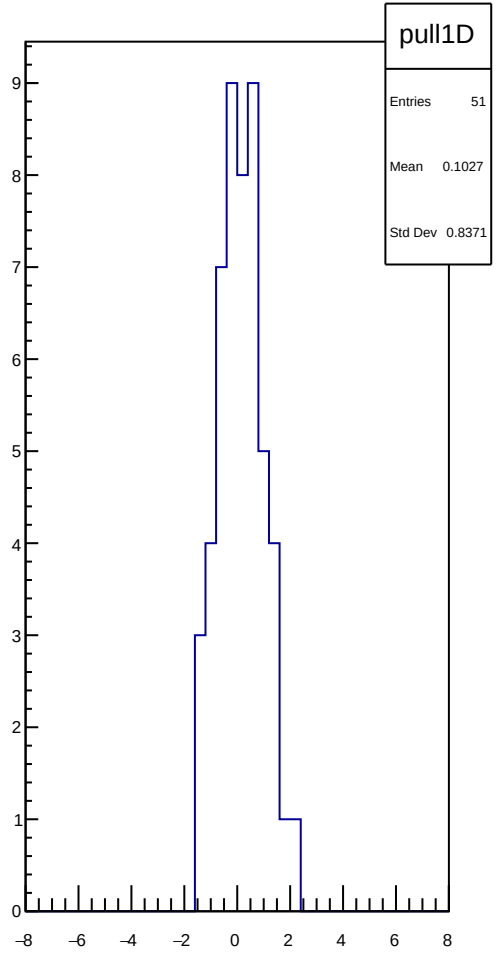

pull1D
Entries 51
Mean −0.02482
Std Dev 0.7586

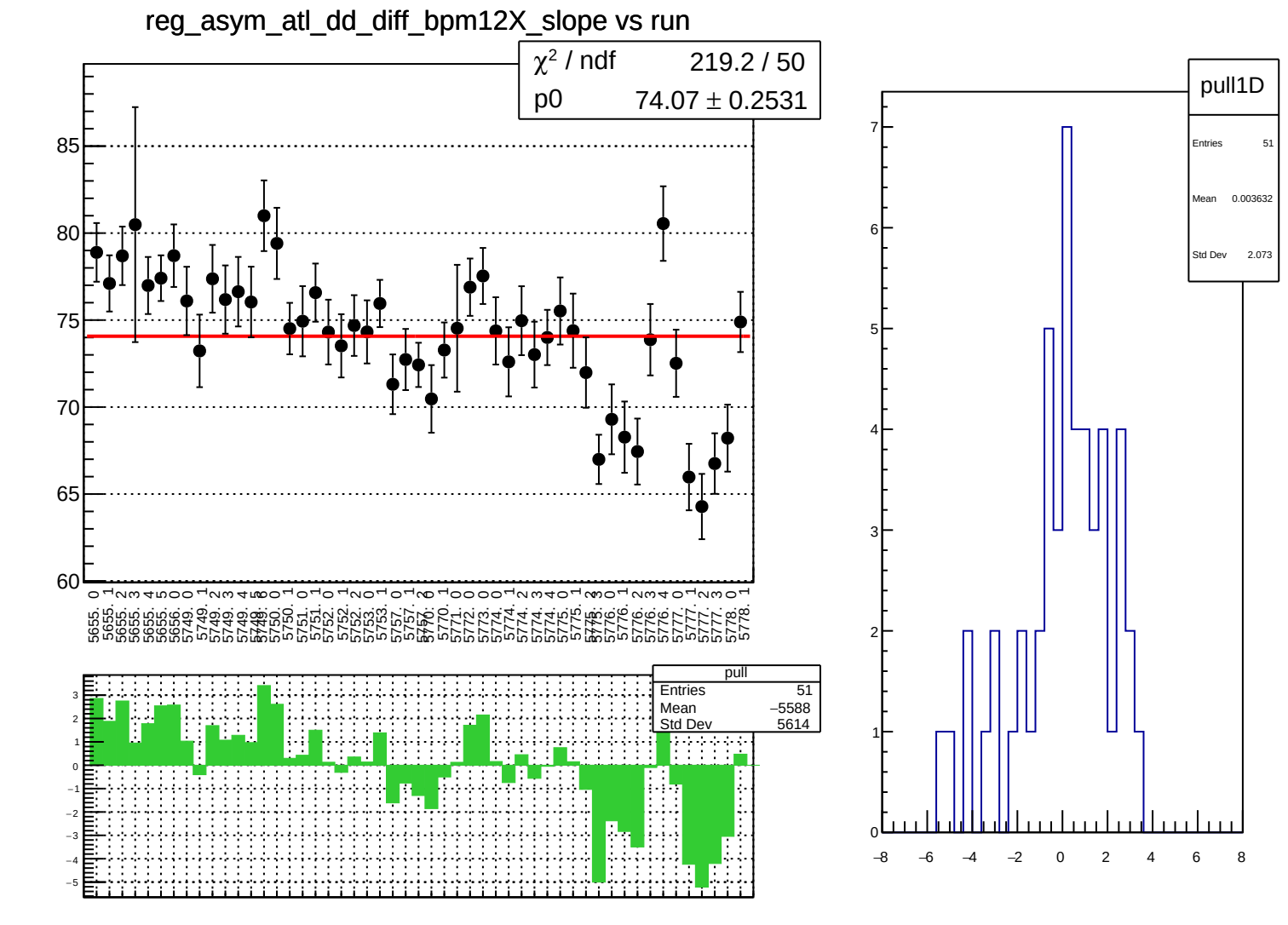

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.76 / 50
p0 11.47 ± 4.45
pull
Entries 51
Mean 48.38
Std Dev 16.03

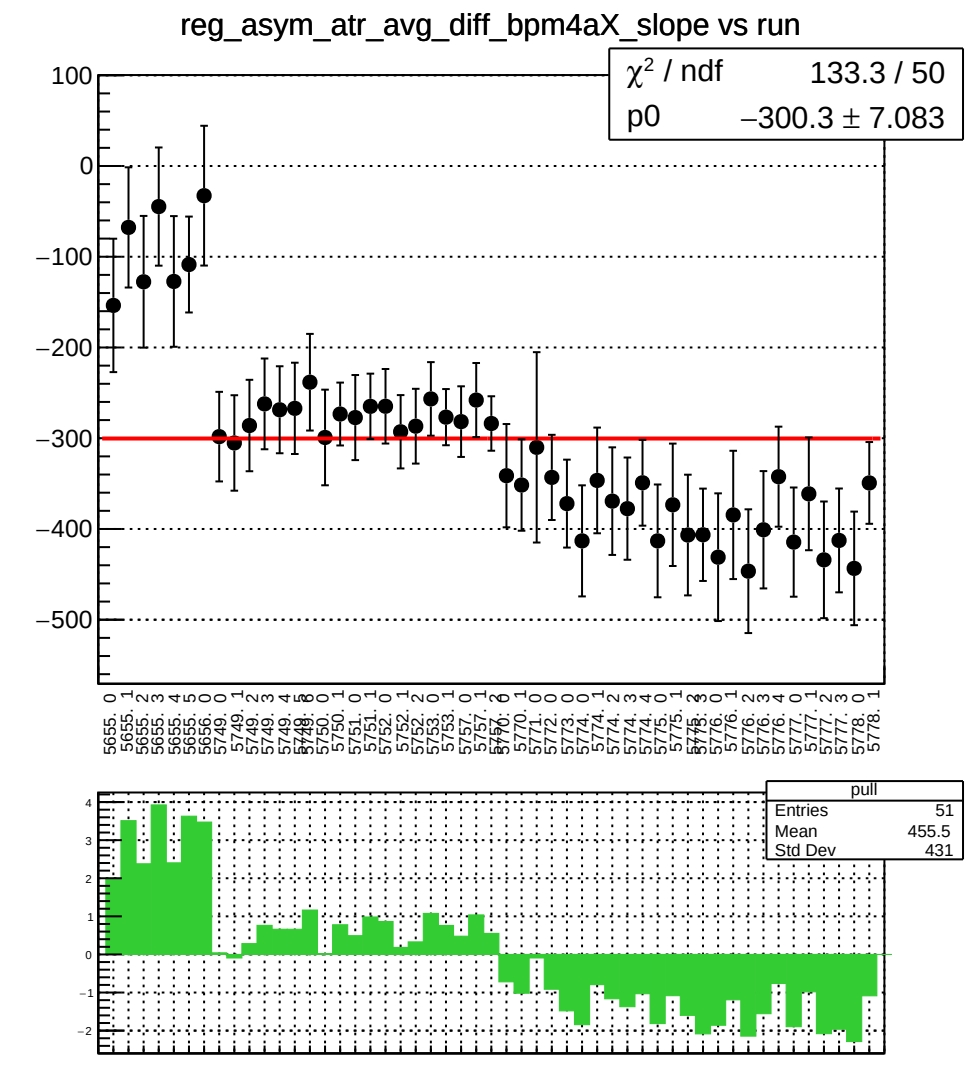

pull1D
Entries 51
Mean −0.1229
Std Dev 0.8516

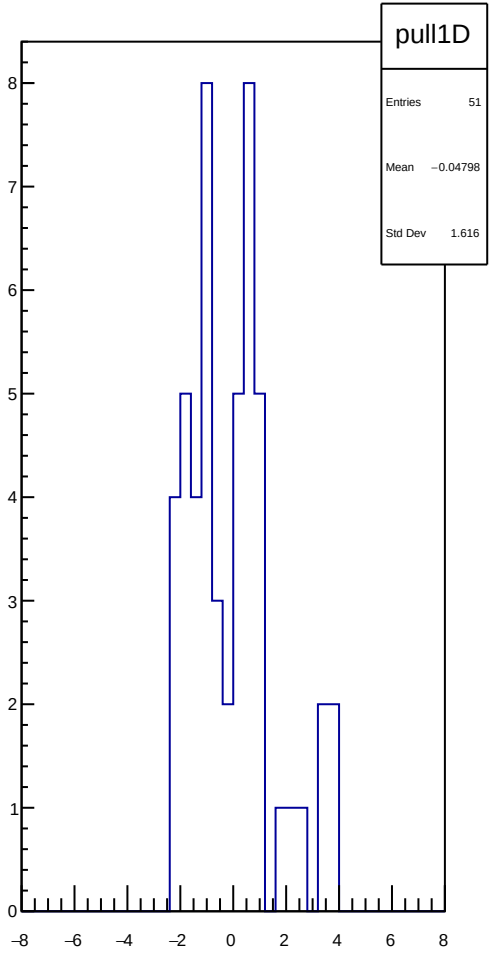

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.01 / 50
p0 −179.6 ± 5.533
pull
Entries 51
Mean 22.52
Std Dev 28.64
pull1D
Entries 51
Mean 0.072
Std Dev 0.8716

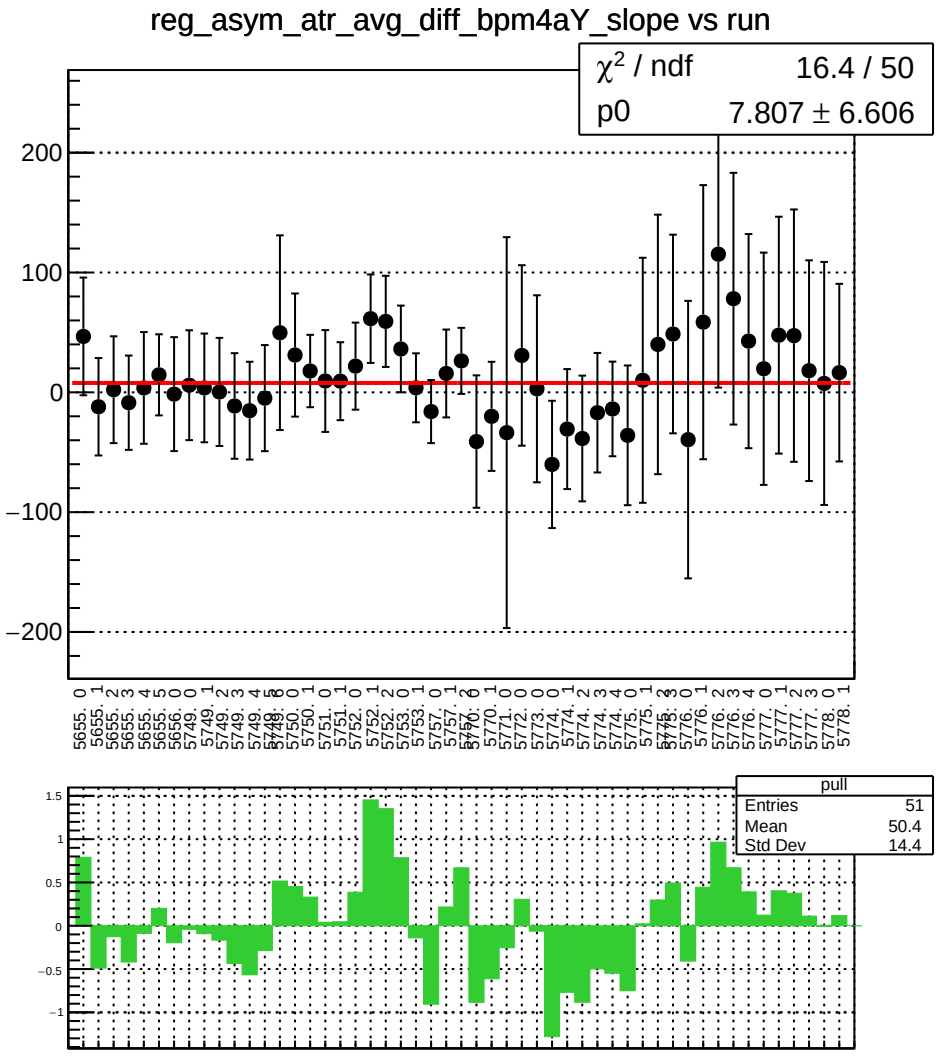

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.27 / 50
p0 −66.65 ± 4.704
pull
Entries 51
Mean 55.34
Std Dev 2.446

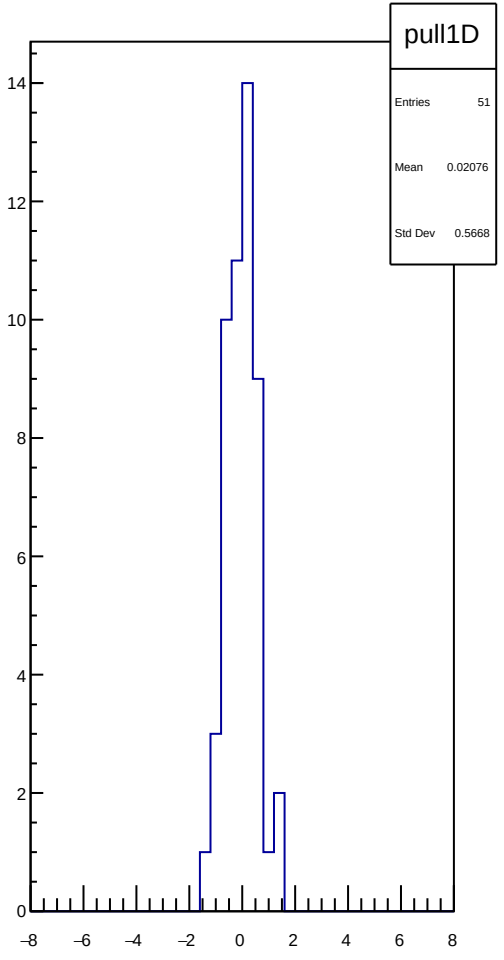

pull1D
Entries 51
Mean 0.1027
Std Dev 0.8371

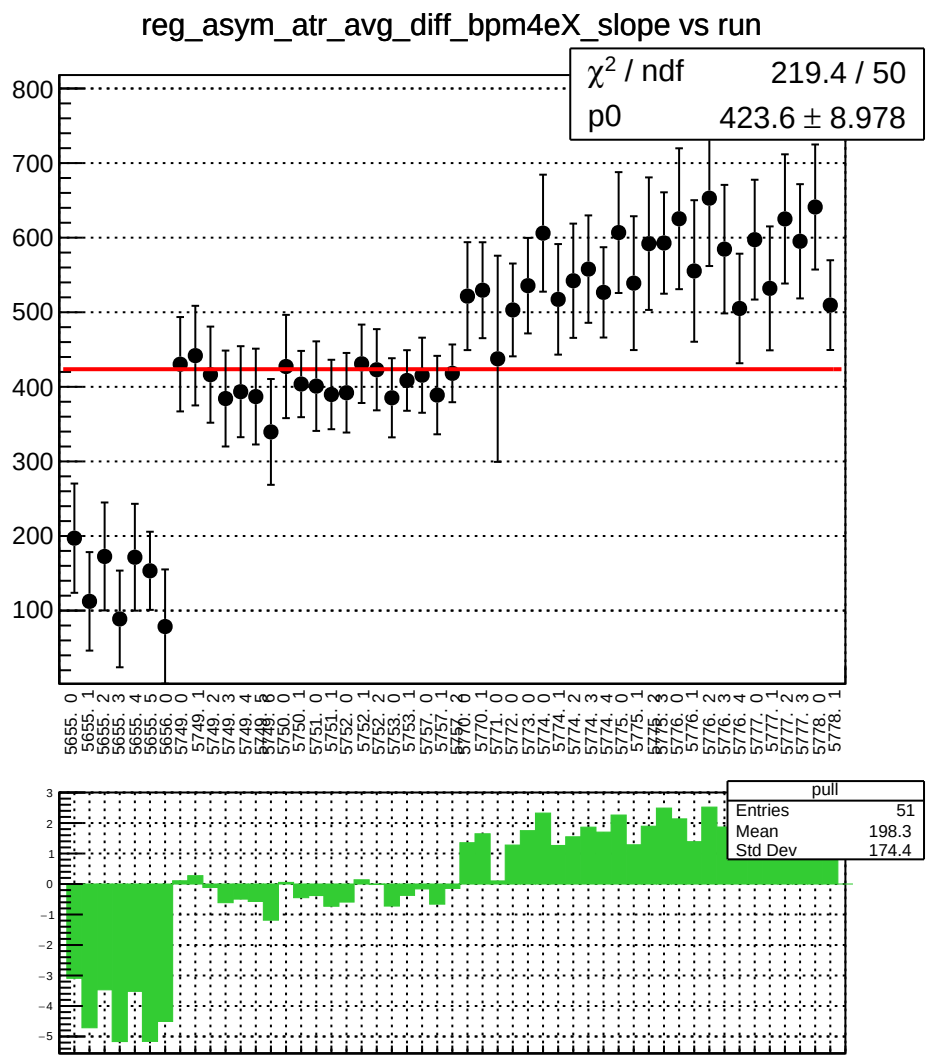

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 219.2 / 50
p0 74.07 ± 0.2531
pull
Entries 51
Mean −5588
Std Dev 5614
pull1D
Entries 51
Mean 0.003632
Std Dev 2.073

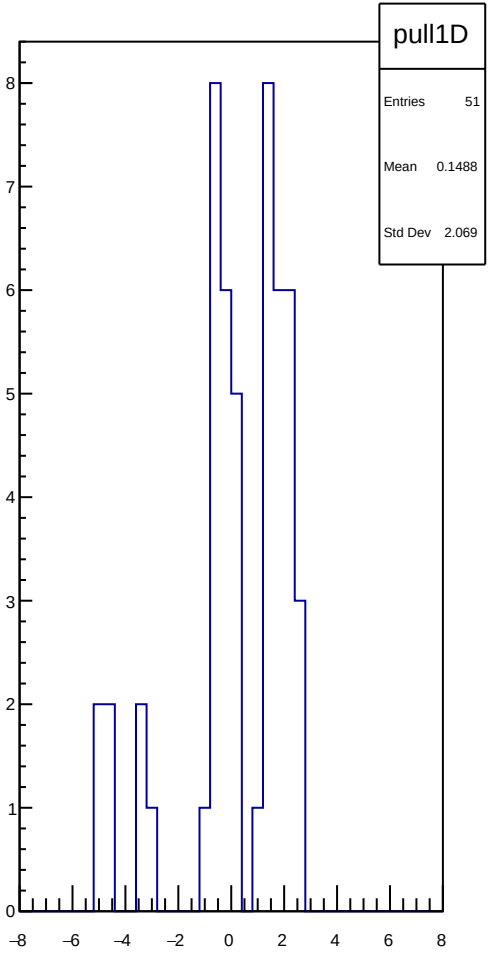

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 133.3 / 50
p0 −300.3 ± 7.083
pull
Entries 51
Mean 455.5
Std Dev 431

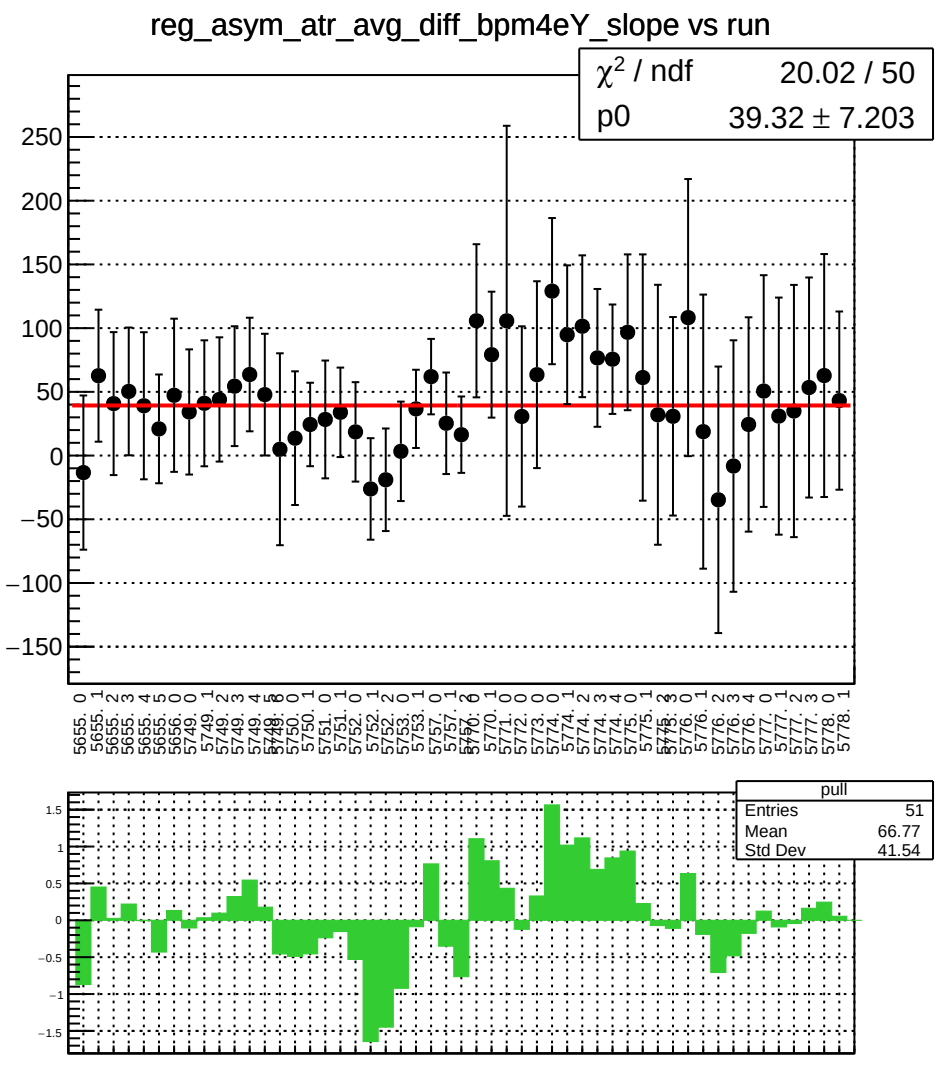

pull1D
Entries 51
Mean −0.04798
Std Dev 1.616

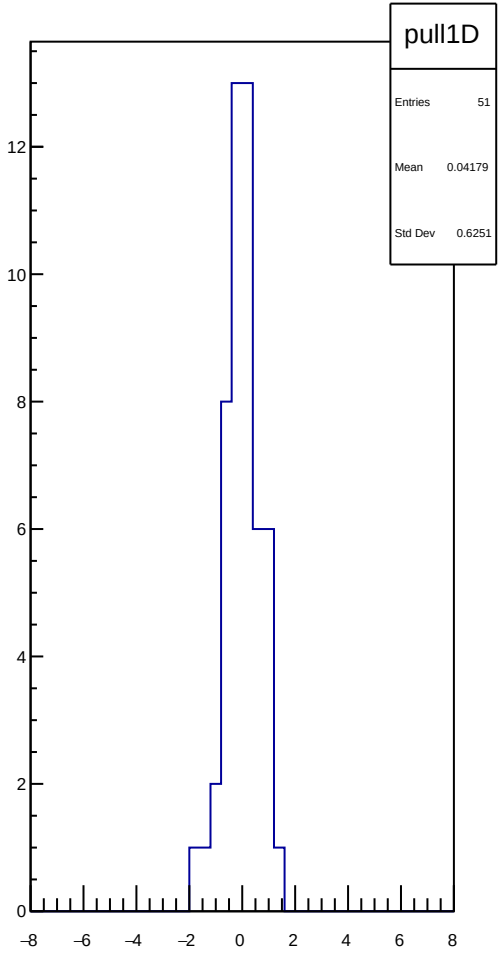

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.4 / 50
p0 7.807 ± 6.606
pull
Entries 51
Mean 50.4
Std Dev 14.4

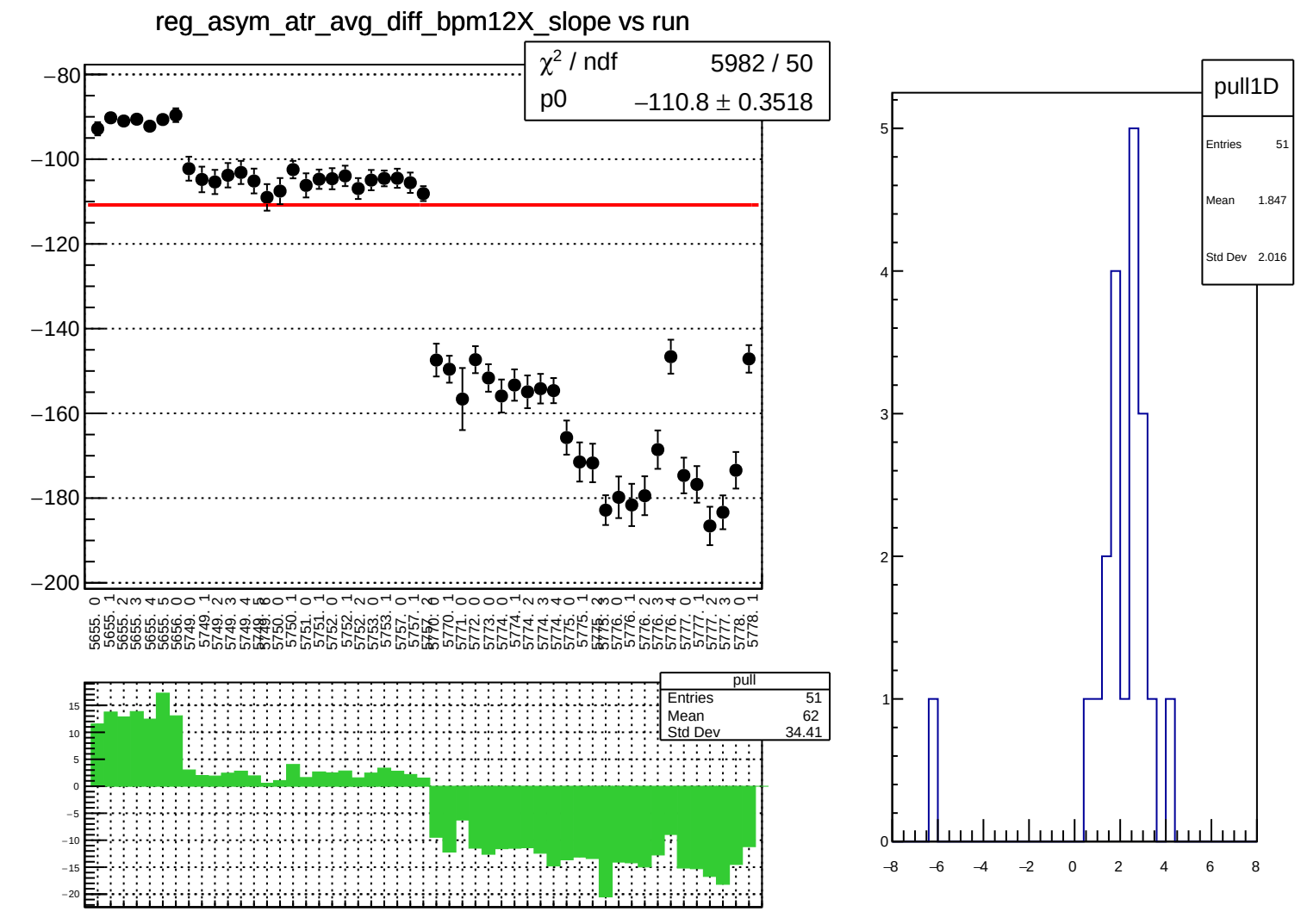

pull1D
Entries 51
Mean 0.02076
Std Dev 0.5668

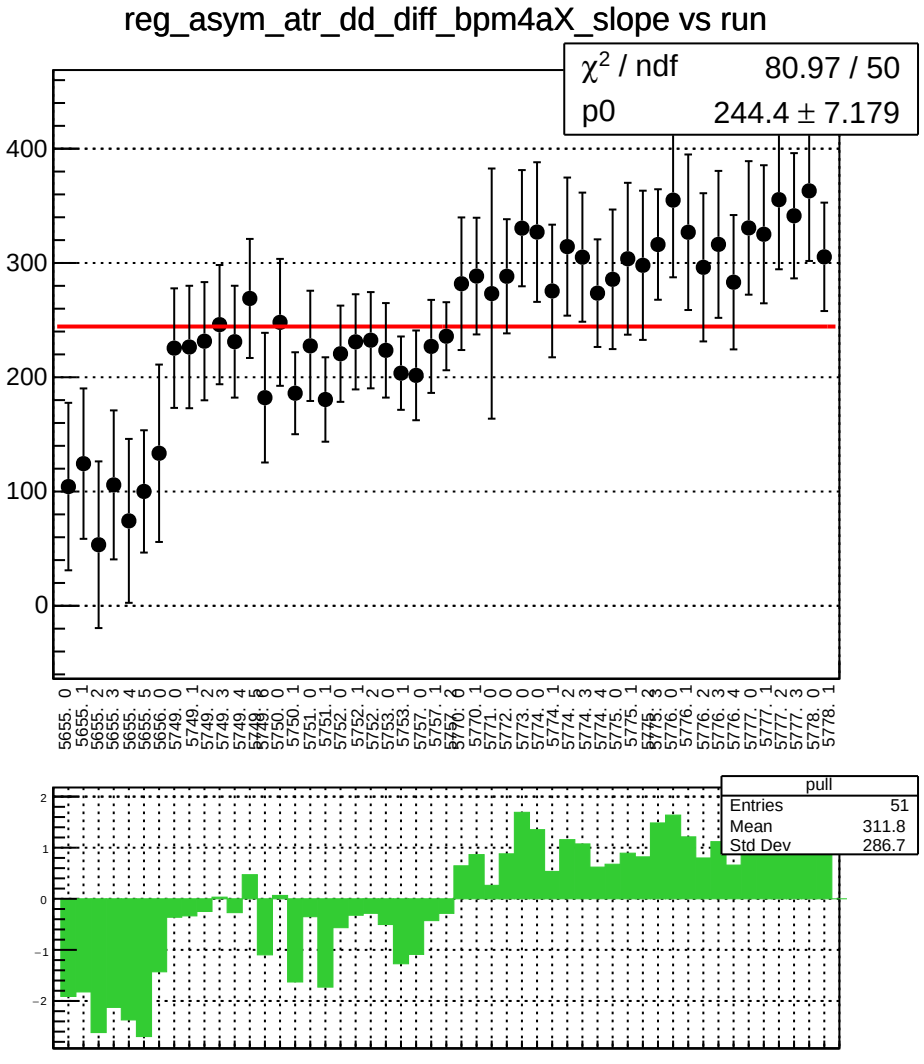

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.4 / 50
p0 423.6 ± 8.978
pull
Entries 51
Mean 198.3
Std Dev 174.4

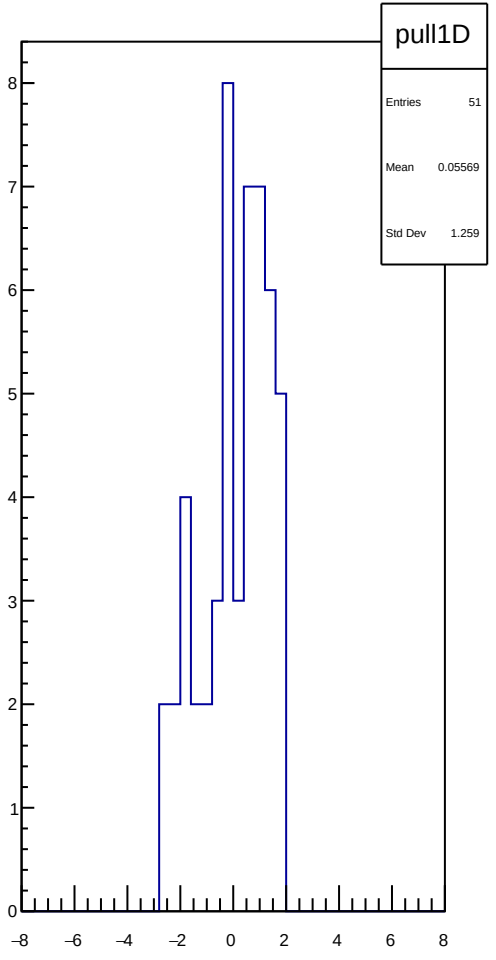

pull1D
Entries 51
Mean 0.1488
Std Dev 2.069

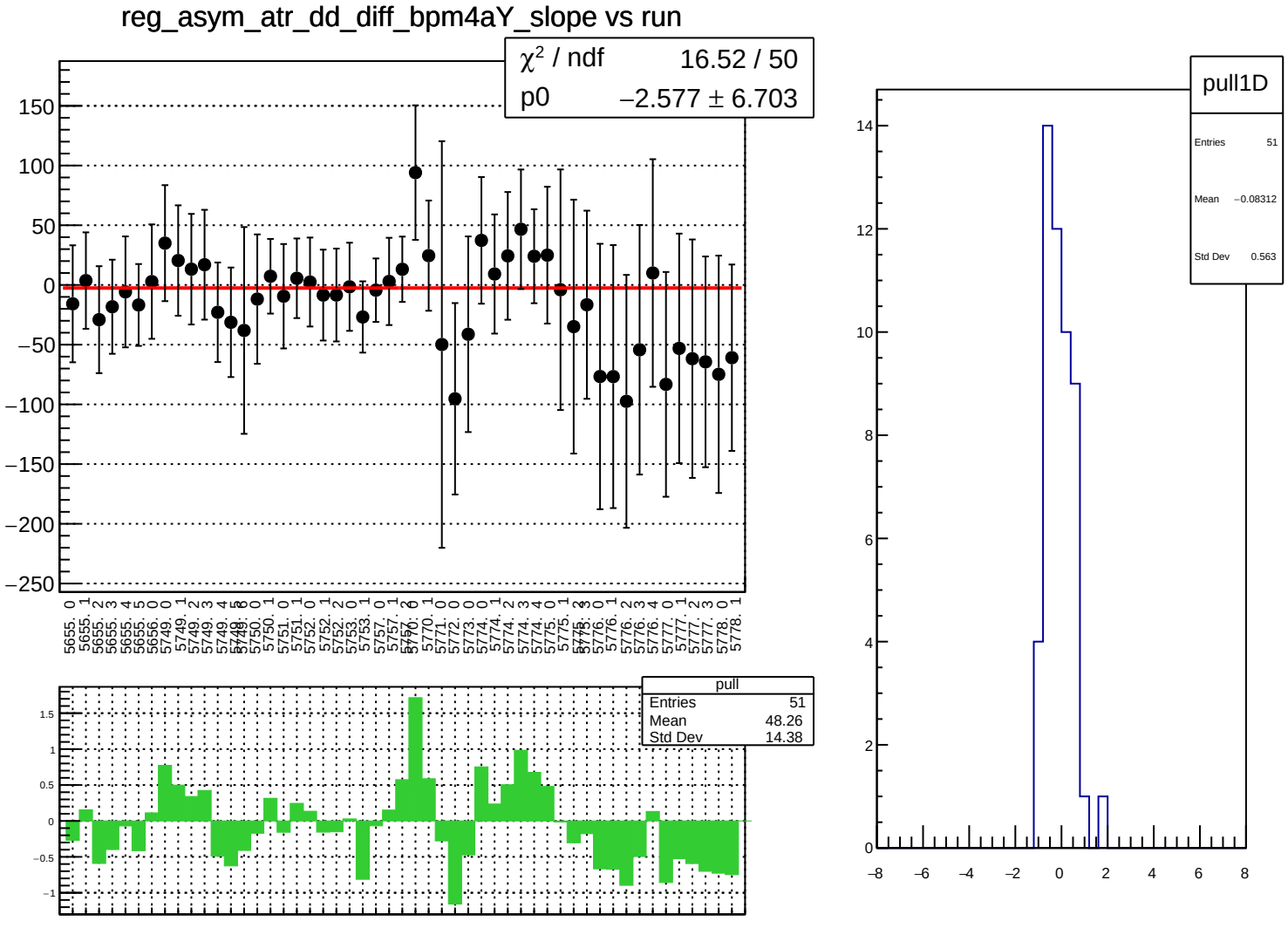

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.02 / 50
p0 39.32 ± 7.203
pull
Entries 51
Mean 66.77
Std Dev 41.54

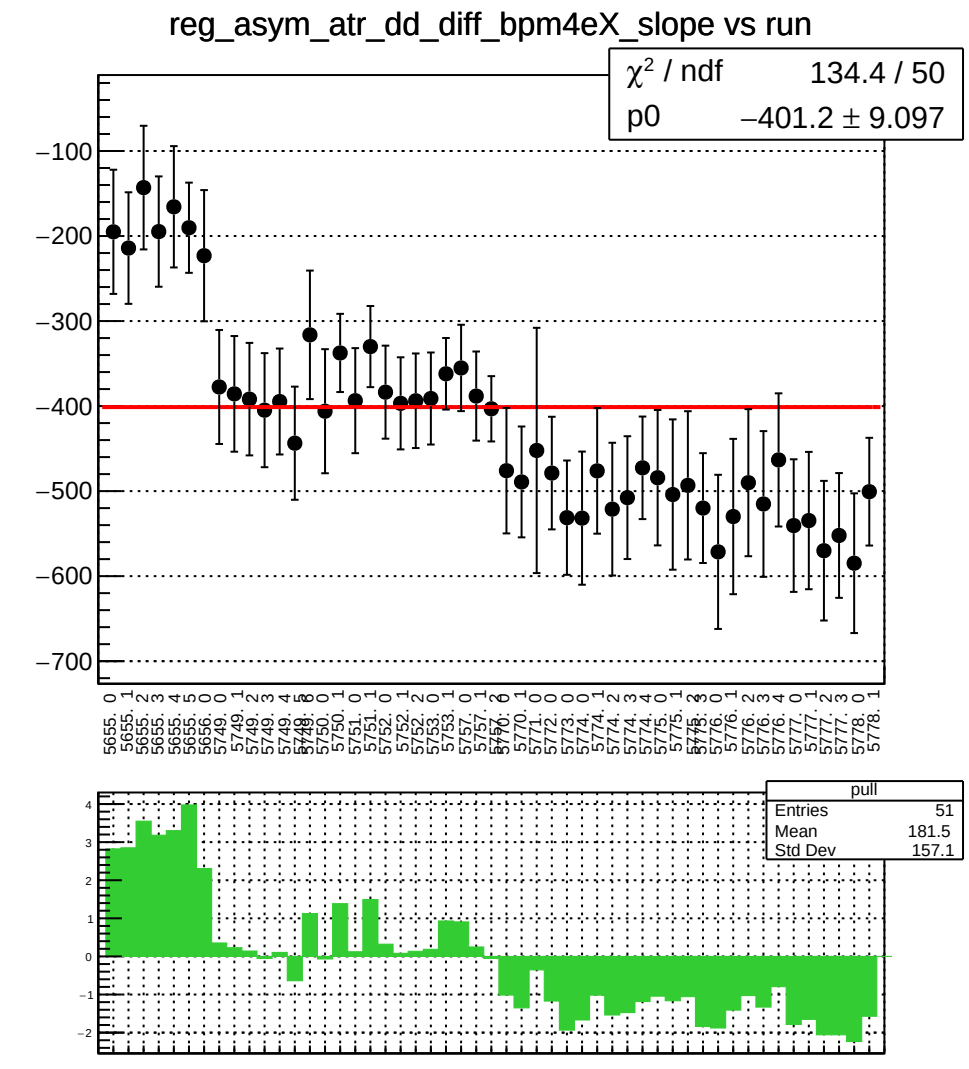

pull1D
Entries 51
Mean 0.04179
Std Dev 0.6251

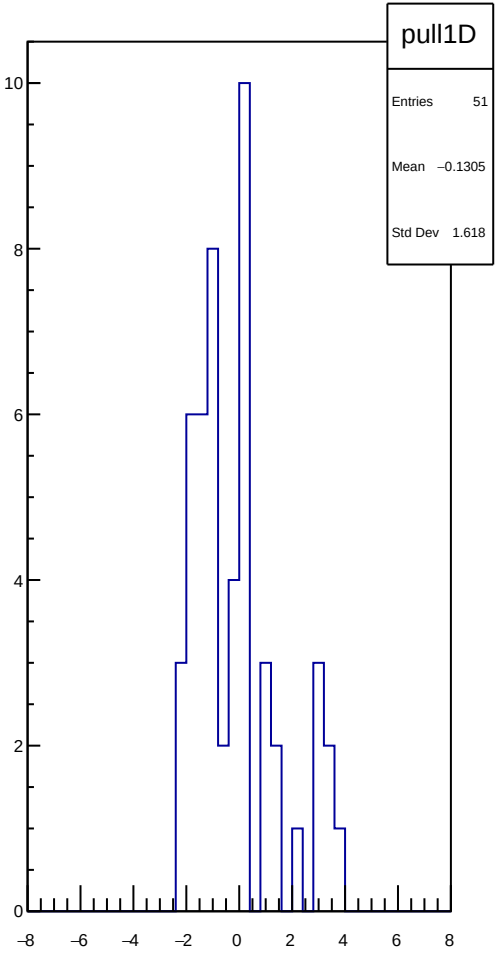

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 5982 / 50
p0 −110.8 ± 0.3518
pull
Entries 51
Mean 62
Std Dev 34.41
pull1D
Entries 51
Mean 1.847
Std Dev 2.016

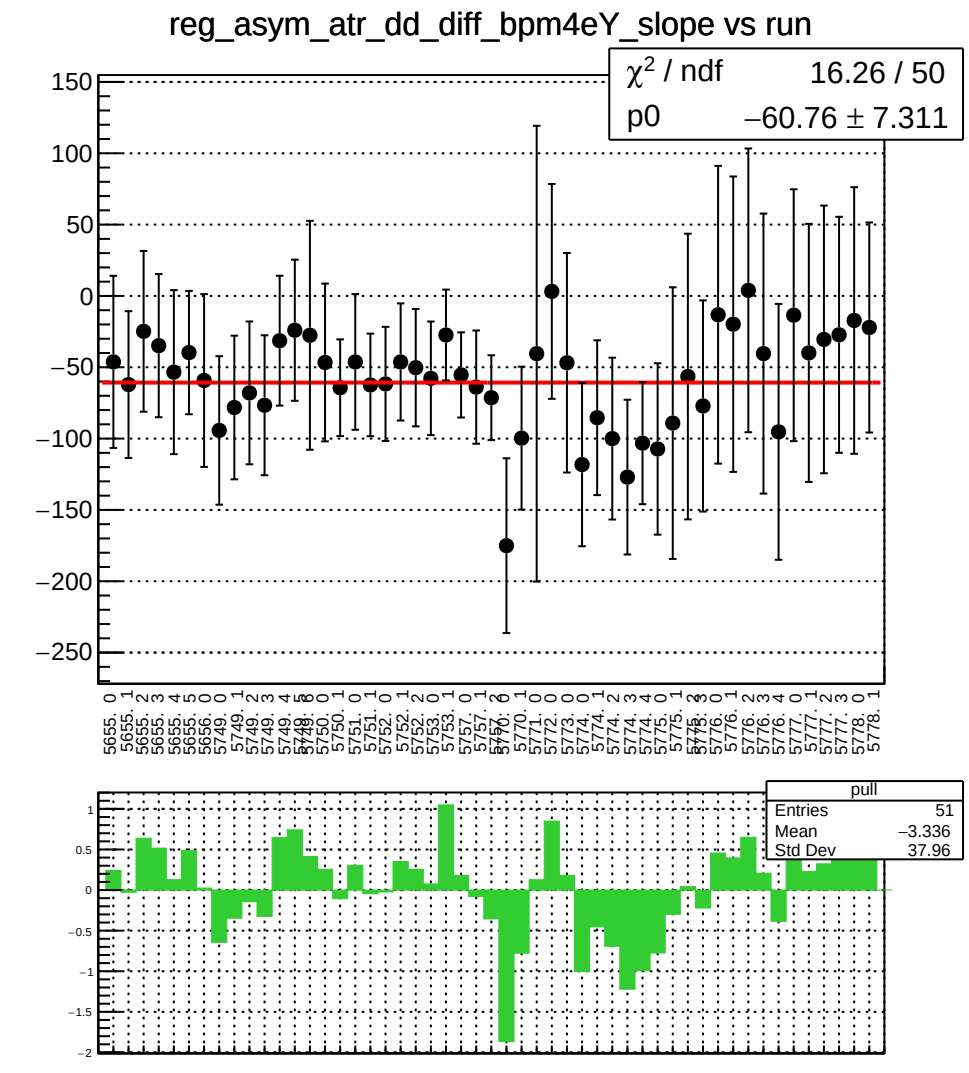

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 80.97 / 50
p0 244.4 ± 7.179
400
300
200
100
0
pull
Entries 51
Mean 311.8
Std Dev 286.7
2
1
0
−1
−2

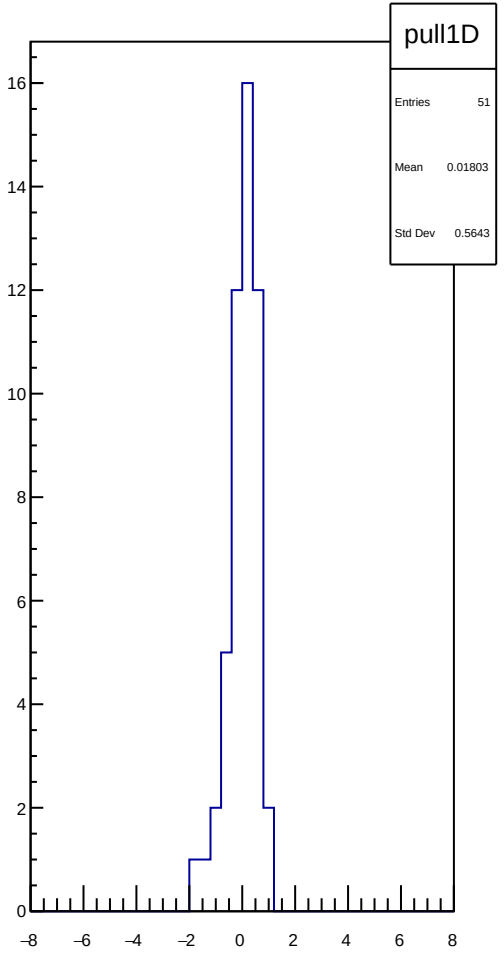

pull1D
Entries 51
Mean 0.05569
Std Dev 1.259
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

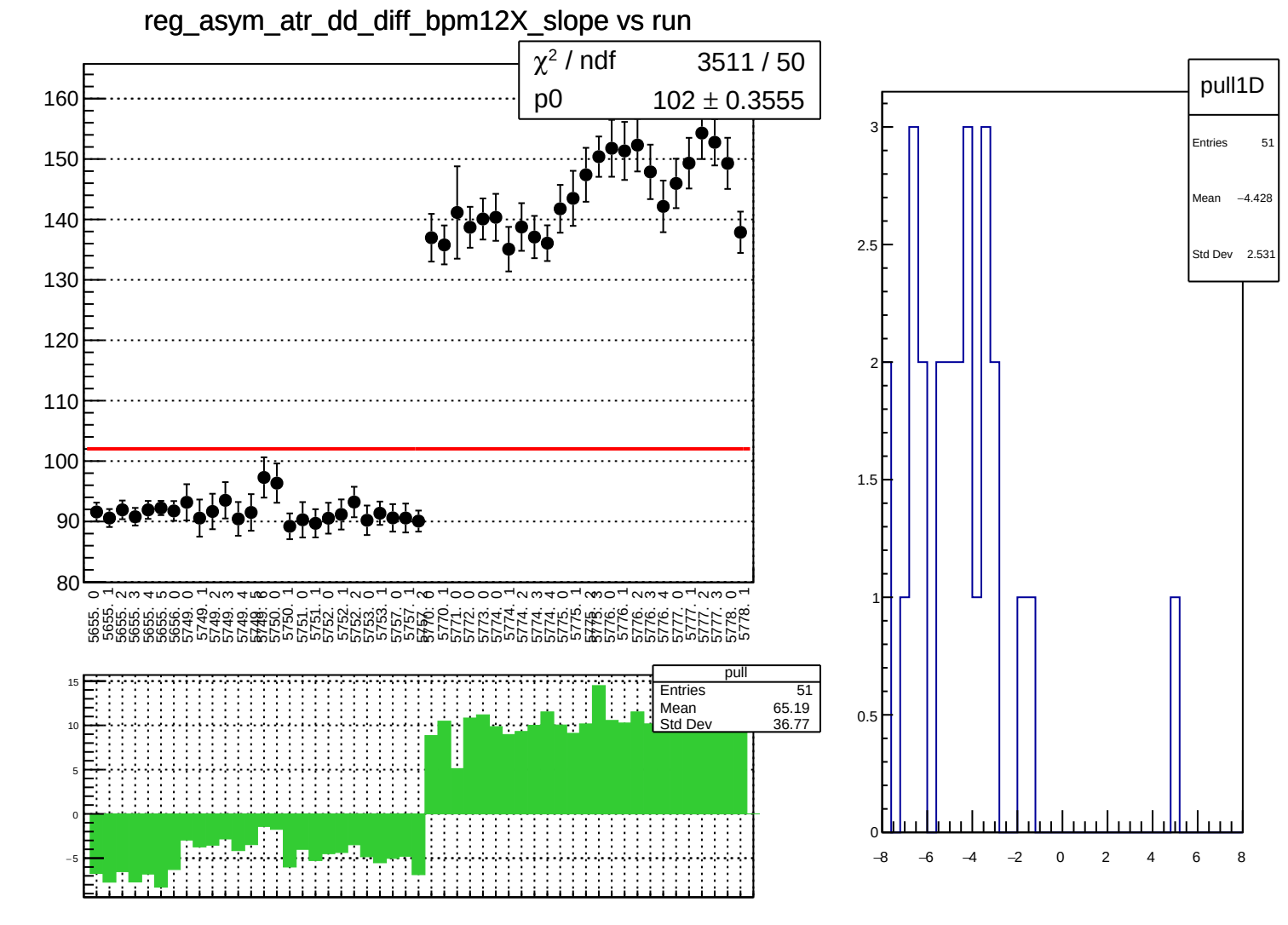

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.52 / 50
p0 −2.577 ± 6.703
pull
Entries 51
Mean 48.26
Std Dev 14.38
pull1D
Entries 51
Mean −0.08312
Std Dev 0.563

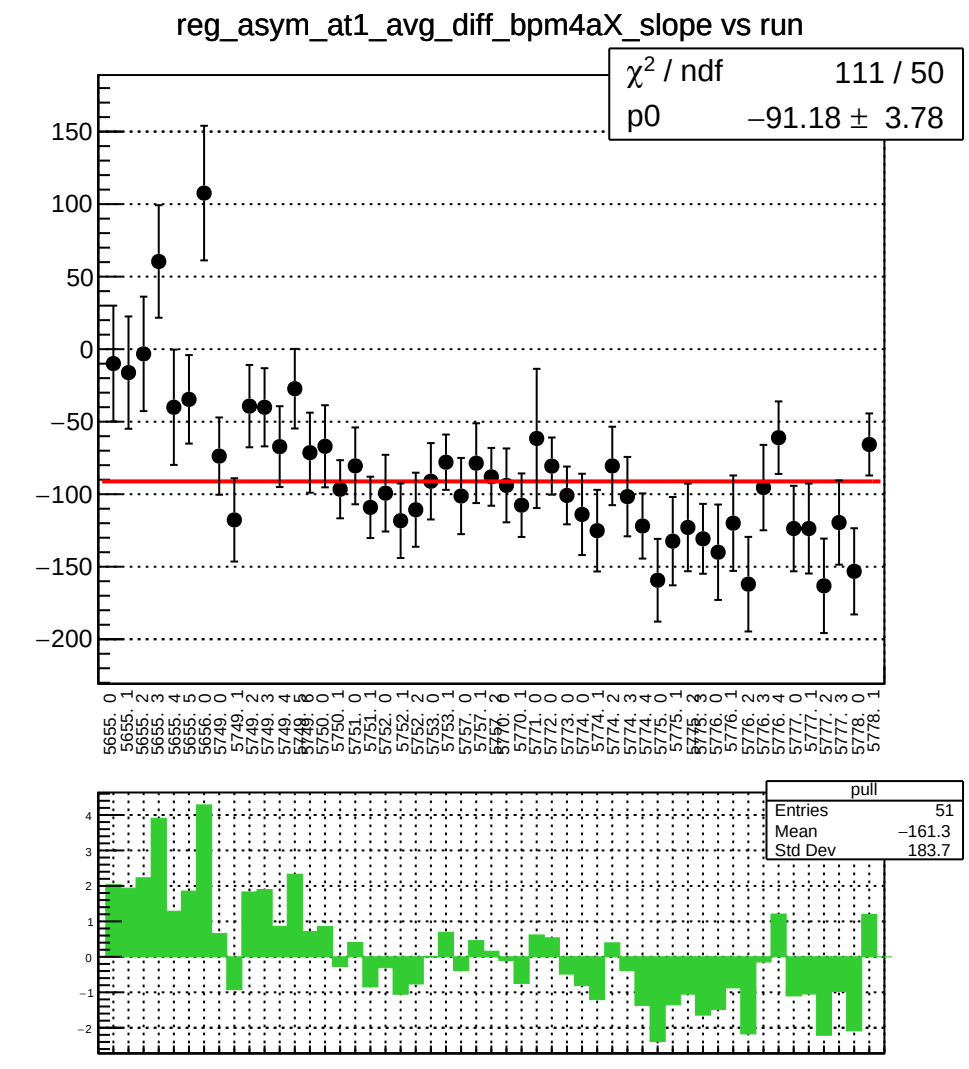

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.4 / 50
p0 −401.2 ± 9.097
pull
Entries 51
Mean 181.5
Std Dev 157.1

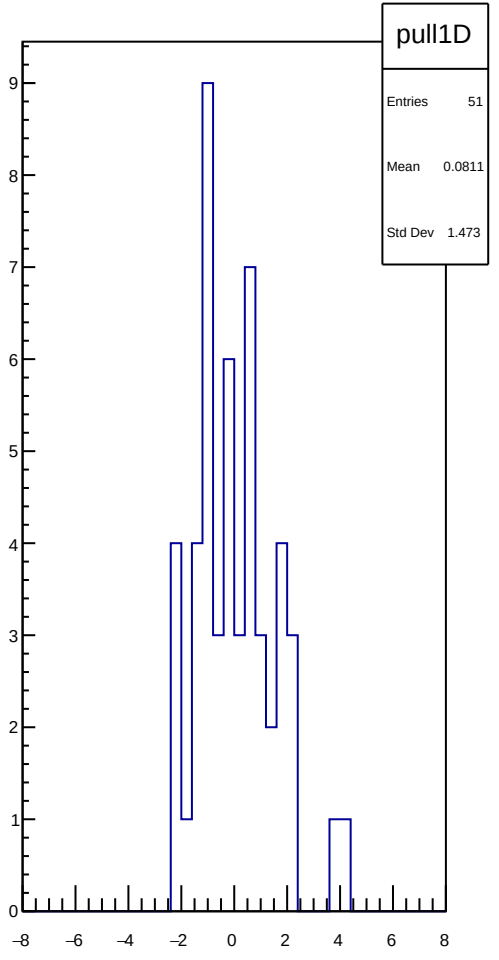

pull1D
Entries 51
Mean −0.1305
Std Dev 1.618

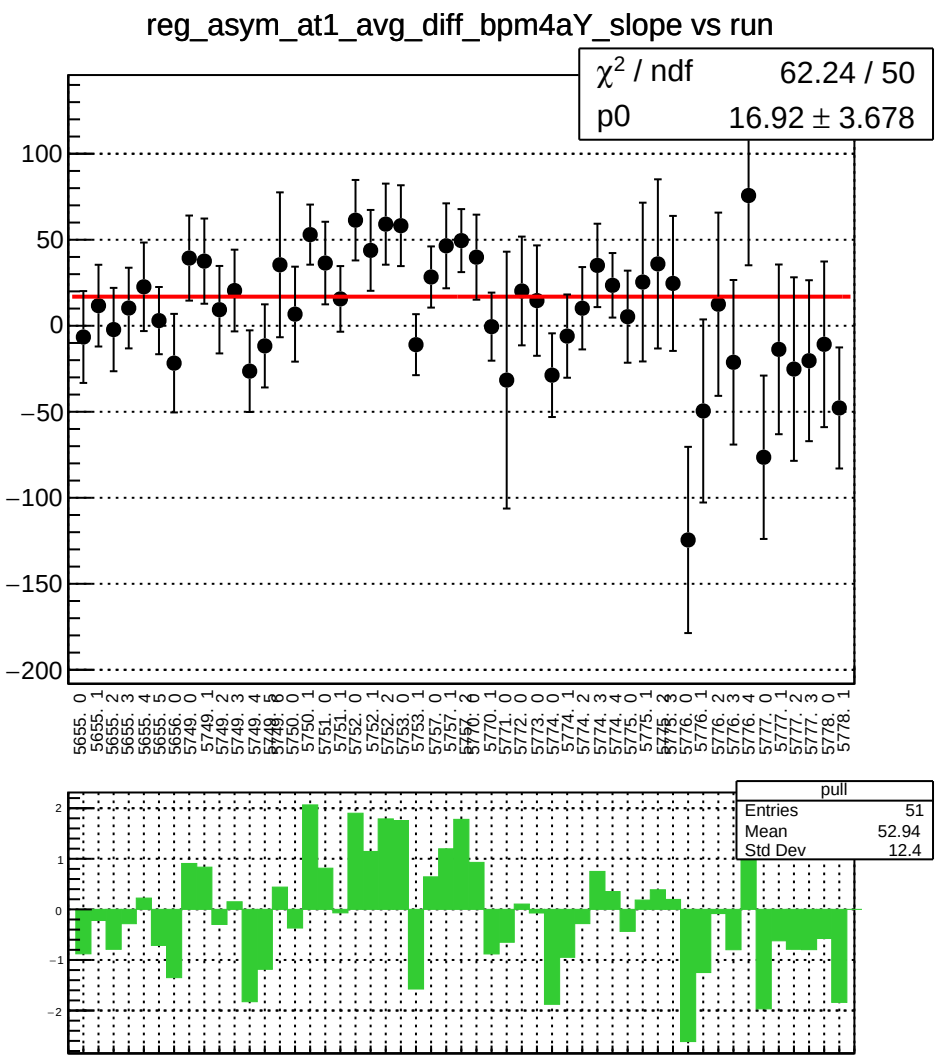

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.26 / 50
p0 −60.76 ± 7.311
pull
Entries 51
Mean −3.336
Std Dev 37.96

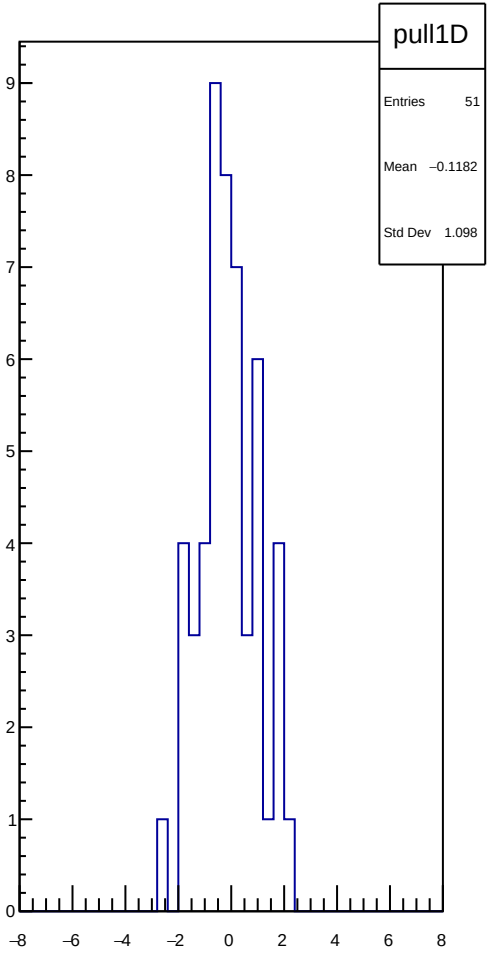

pull1D
Entries 51
Mean 0.01803
Std Dev 0.5643

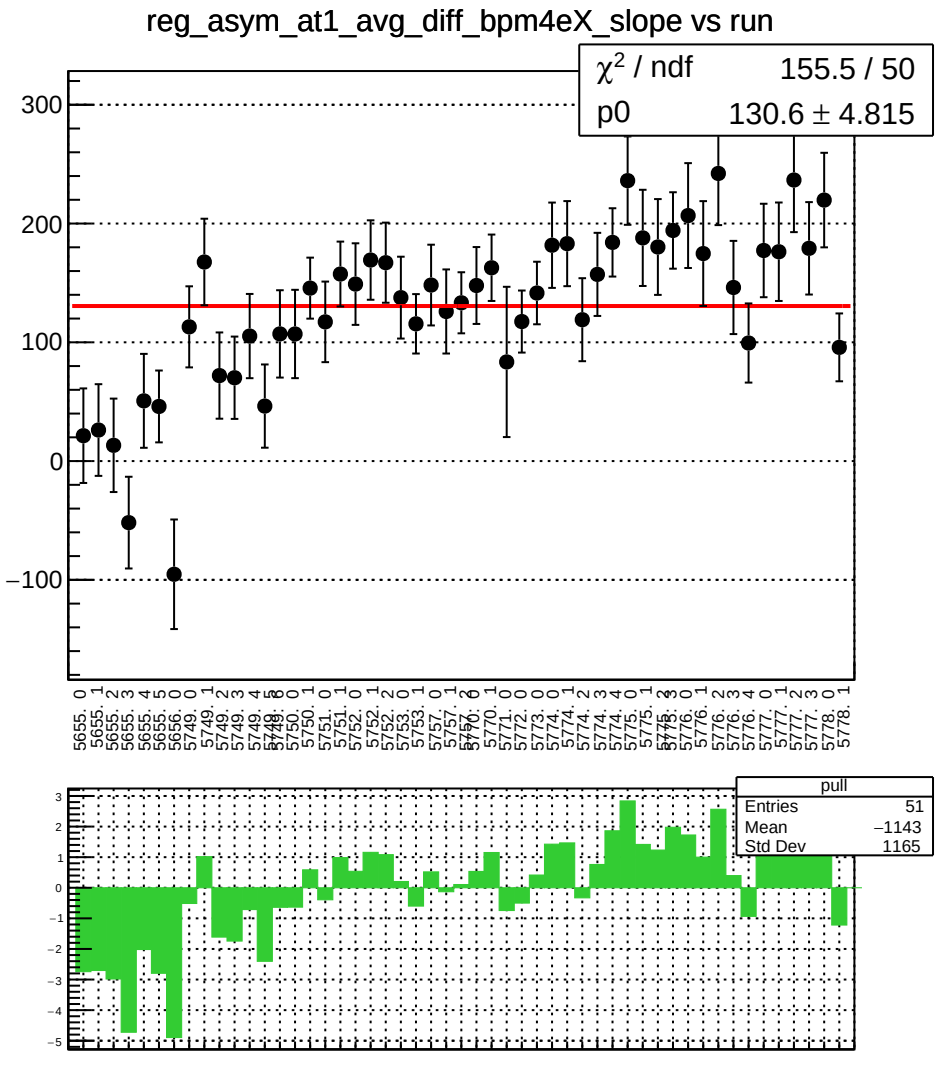

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 3511 / 50
p0 102 ± 0.3555
pull
Entries 51
Mean 65.19
Std Dev 36.77
pull1D
Entries 51
Mean −4.428
Std Dev 2.531

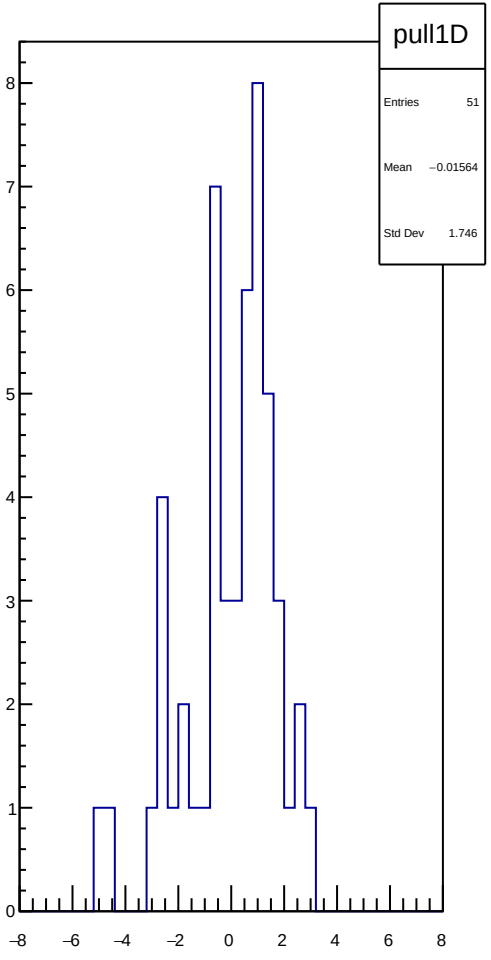

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 111 / 50
p0 −91.18 ± 3.78
150
100
50
0
−50
−100
−150
−200
pull
Entries 51
Mean −161.3
Std Dev 183.7
4
3
2
1
0
−1
−2

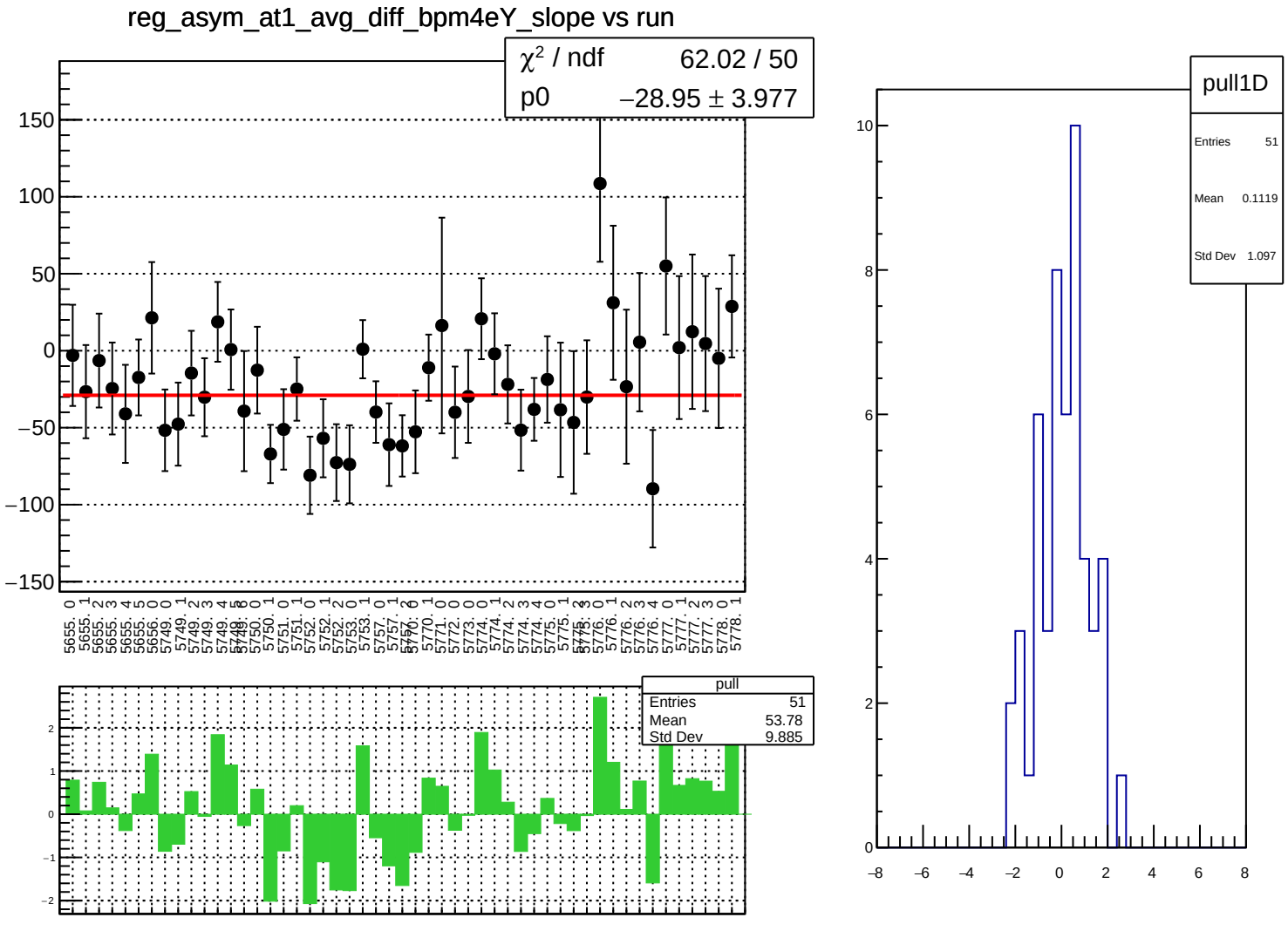

pull1D
Entries 51
Mean 0.0811
Std Dev 1.473
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

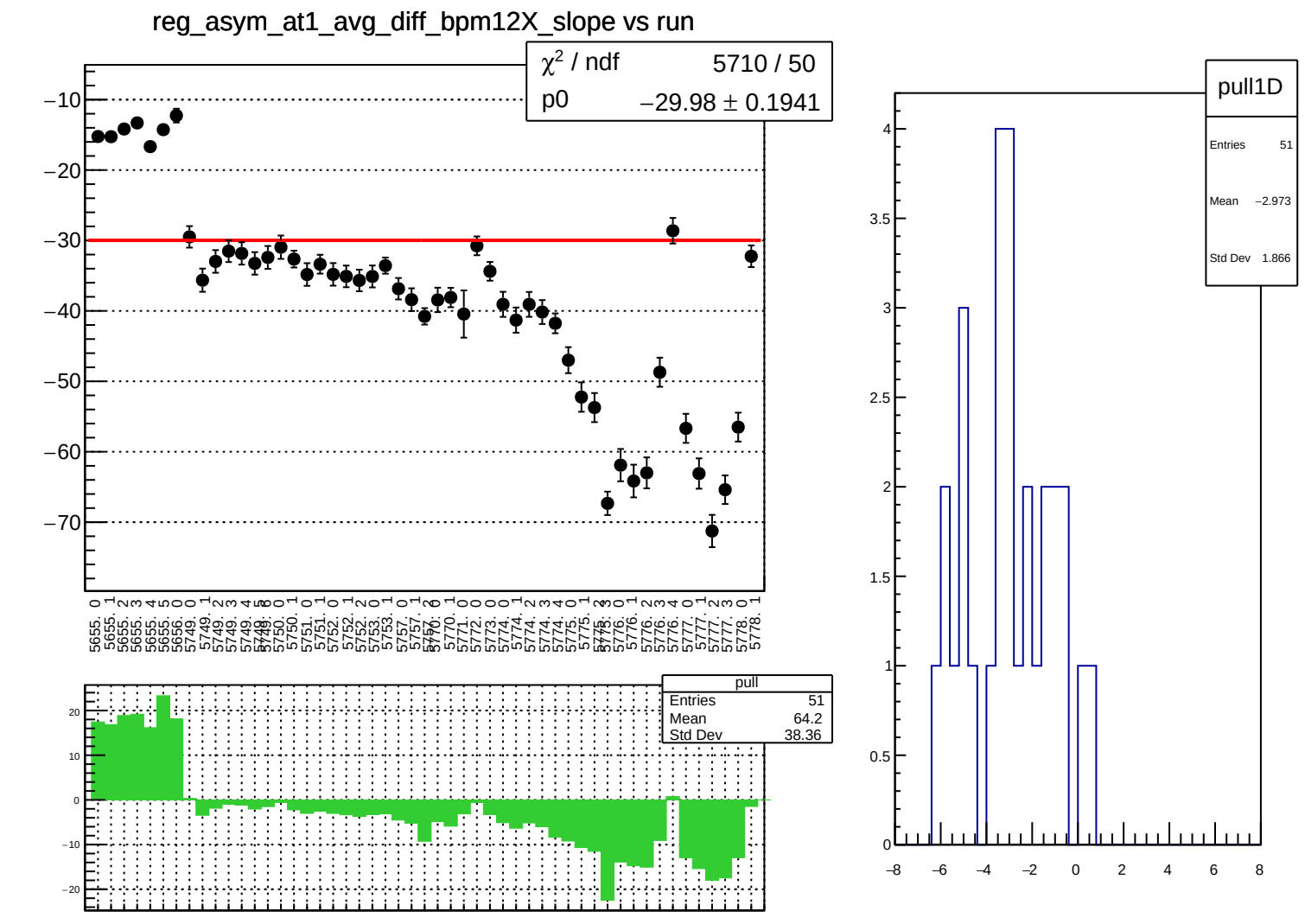

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.24 / 50
p0 16.92 ± 3.678
pull
Entries 51
Mean 52.94
Std Dev 12.4

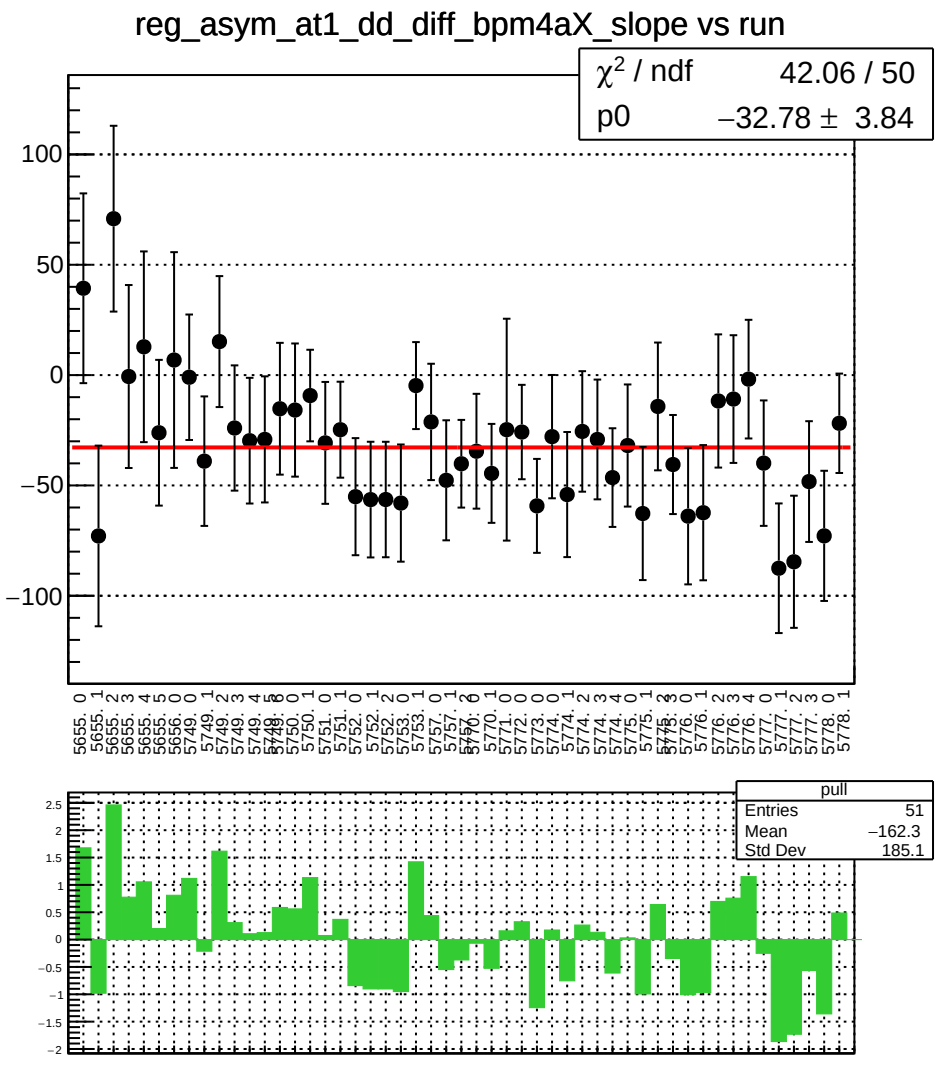

pull1D
Entries 51
Mean −0.1182
Std Dev 1.098

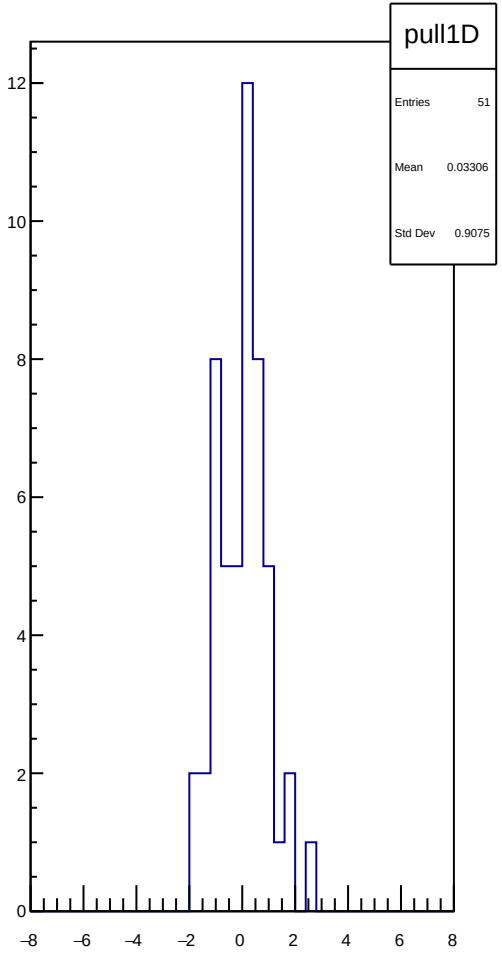

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 155.5 / 50
p0 130.6 ± 4.815
pull
Entries 51
Mean −1143
Std Dev 1165

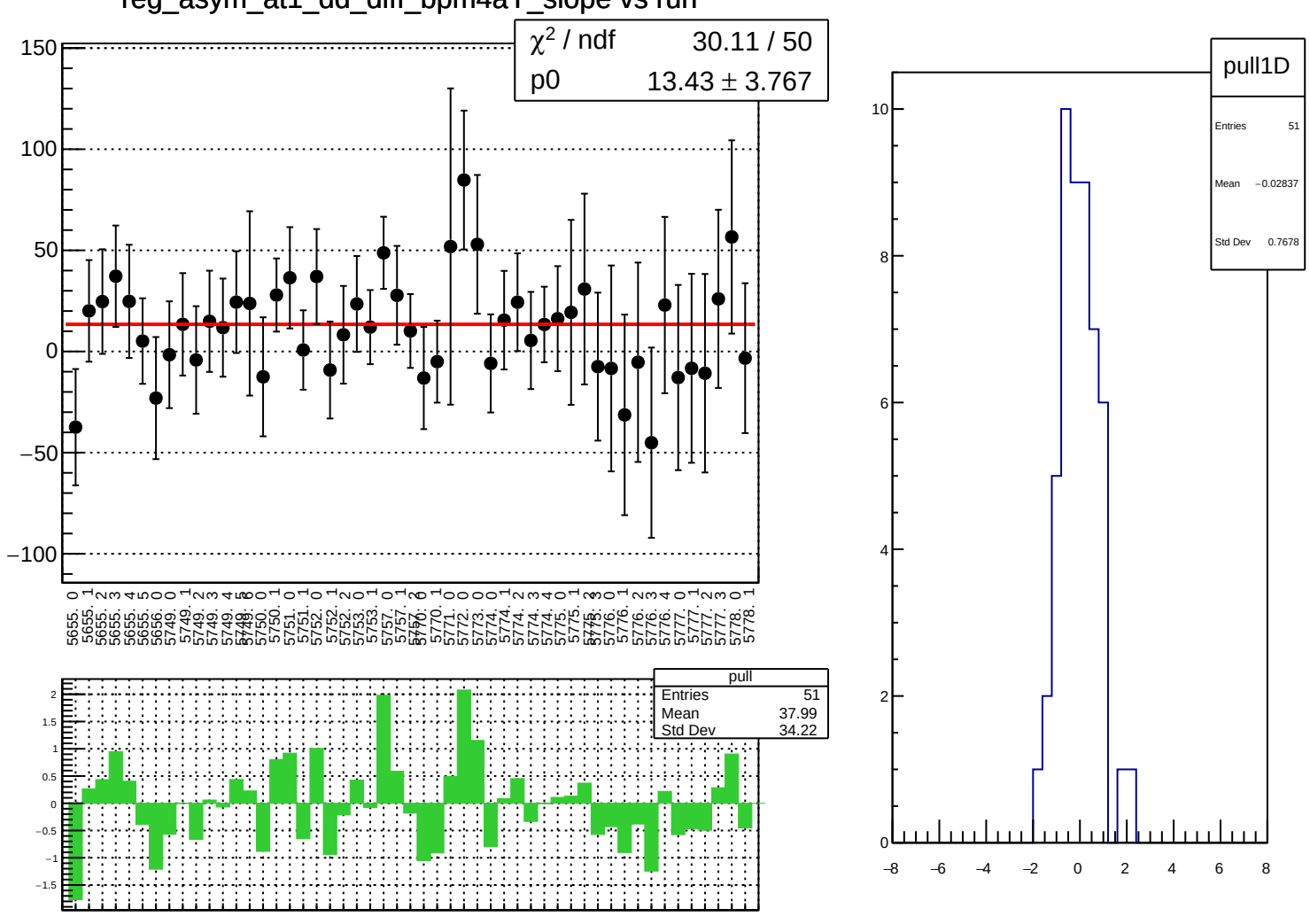

pull1D
Entries 51
Mean −0.01564
Std Dev 1.746

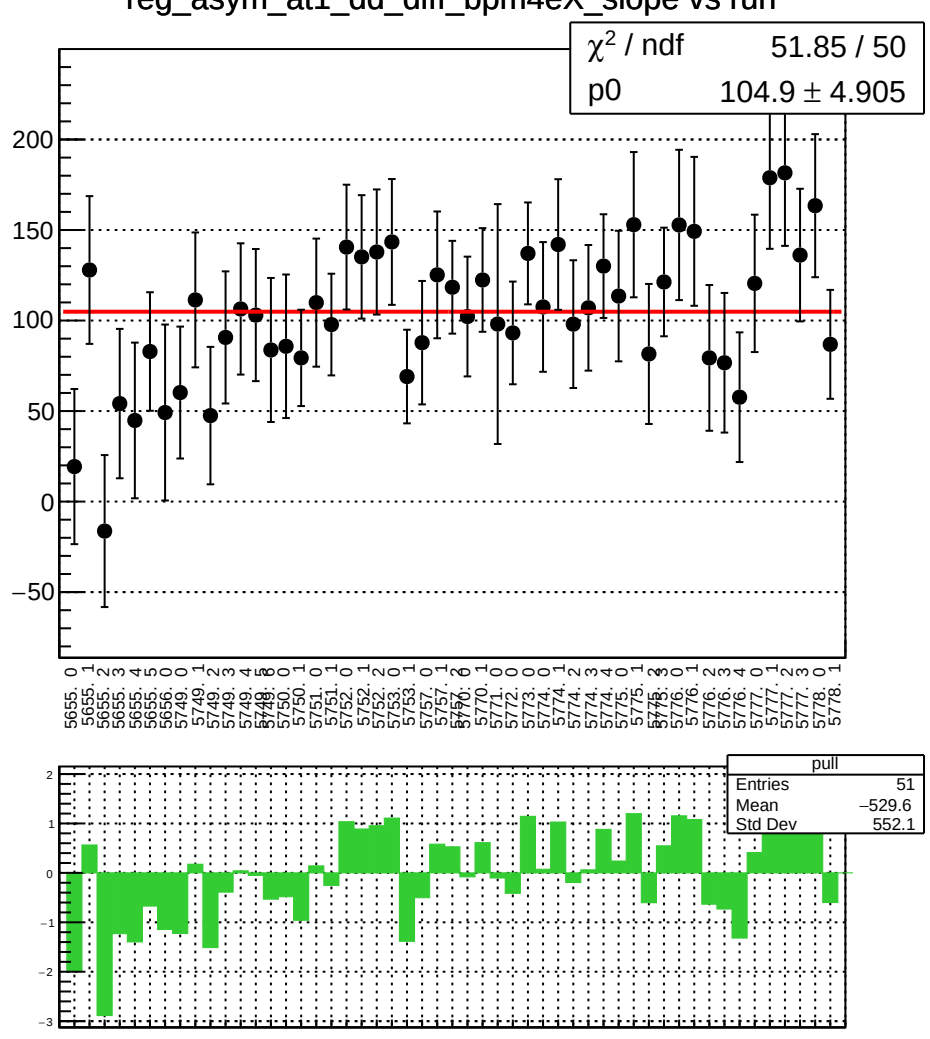

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.02 / 50
p0 −28.95 ± 3.977
150
100
50
0
−50
−100
−150
pull
Entries 51
Mean 53.78
Std Dev 9.885
2
1
0
−1
−2
pull1D
Entries 51
Mean 0.1119
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

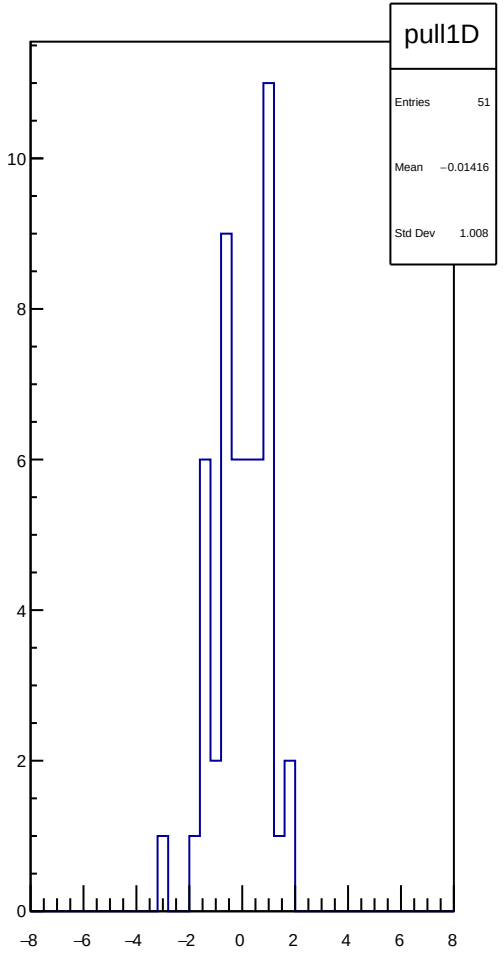

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 5710 / 50
p0 −29.98 ± 0.1941
pull
Entries 51
Mean 64.2
Std Dev 38.36
pull1D
Entries 51
Mean −2.973
Std Dev 1.866

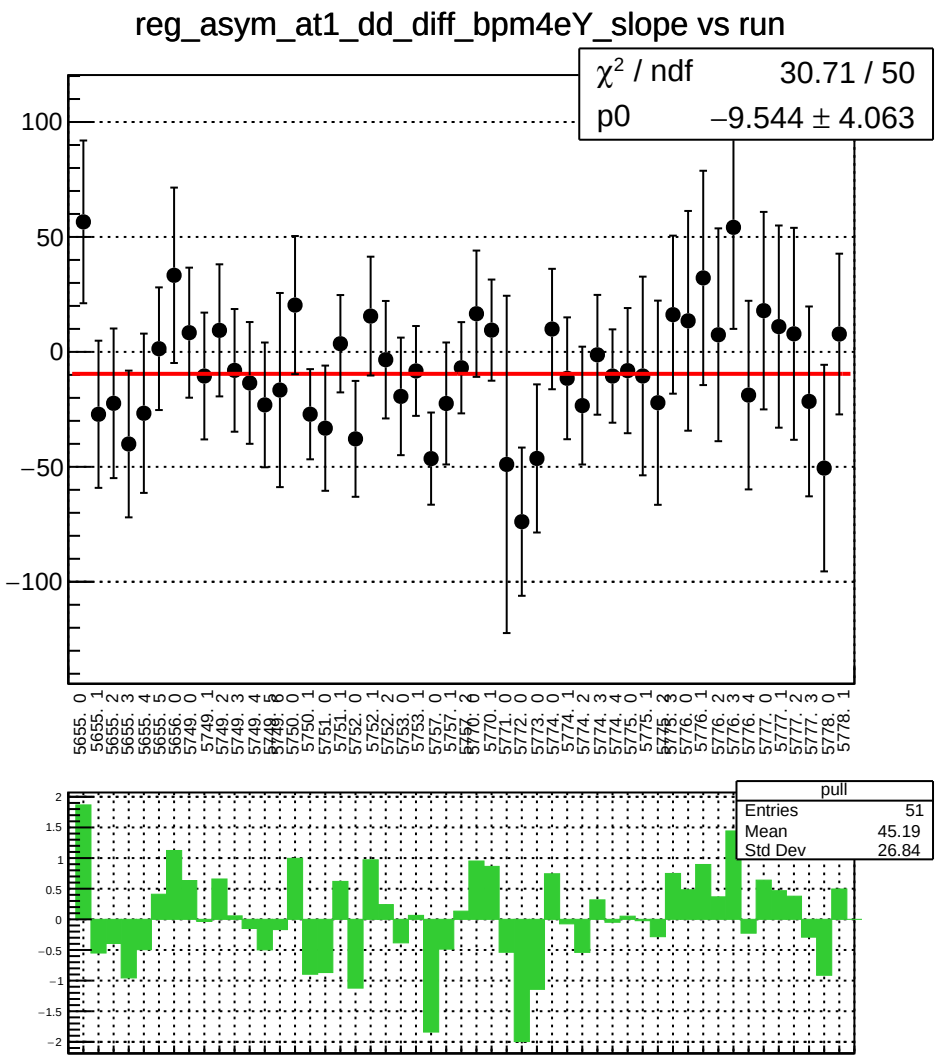

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.06 / 50
p0 −32.78 ± 3.84
pull
Entries 51
Mean −162.3
Std Dev 185.1

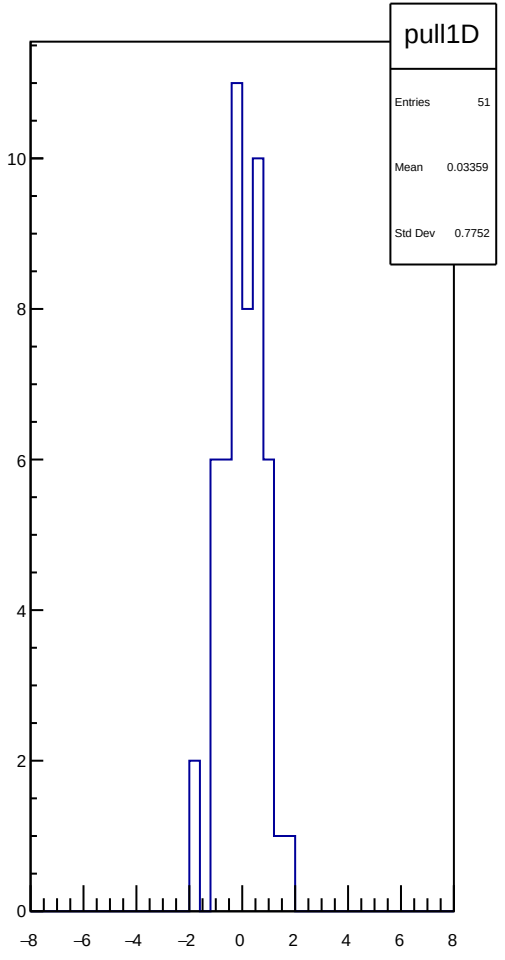

pull1D
Entries 51
Mean 0.03306
Std Dev 0.9075

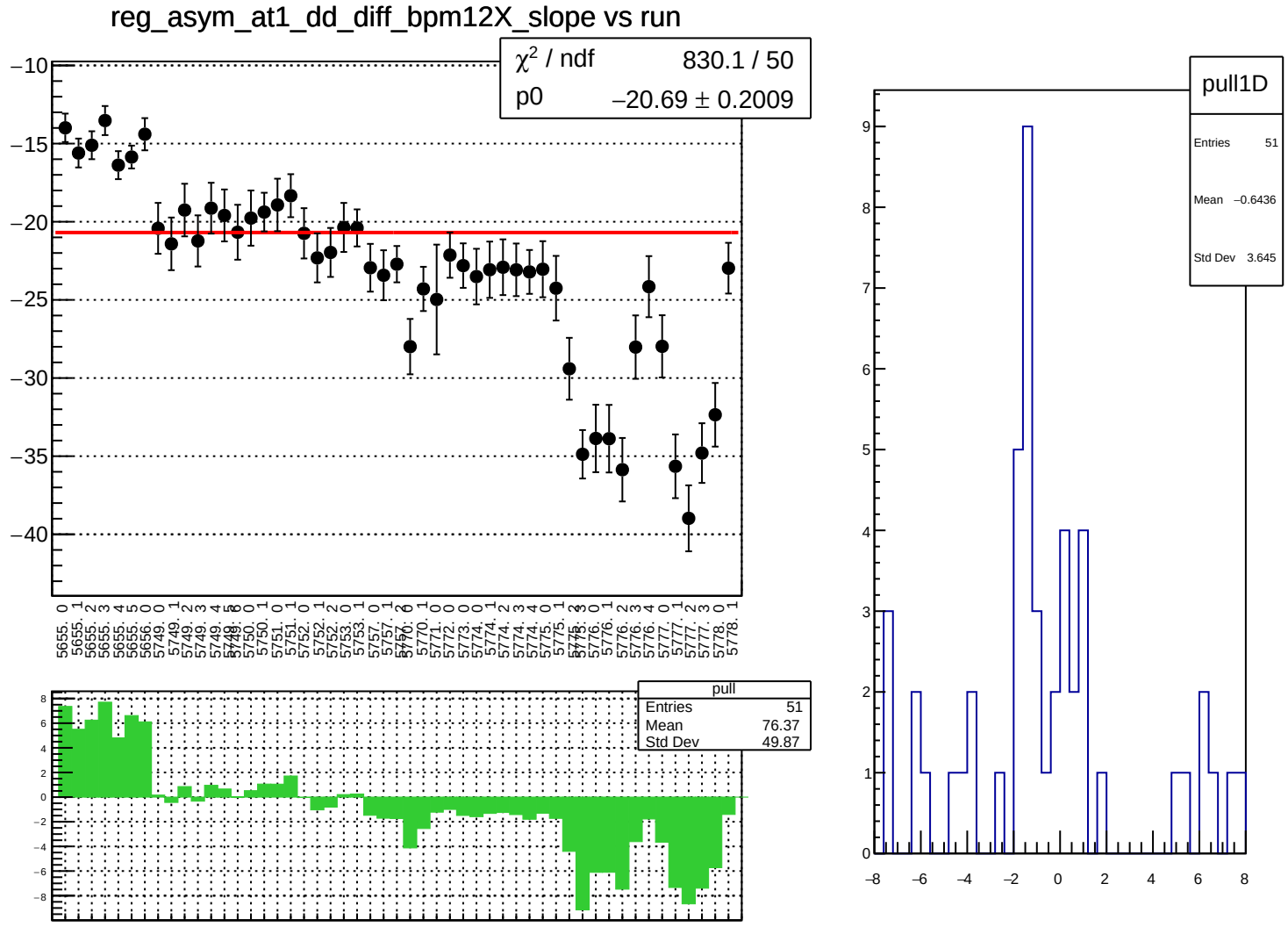

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.11 / 50
p0 13.43 ± 3.767
pull
Entries 51
Mean 37.99
Std Dev 34.22
pull1D
Entries 51
Mean −0.02837
Std Dev 0.7678

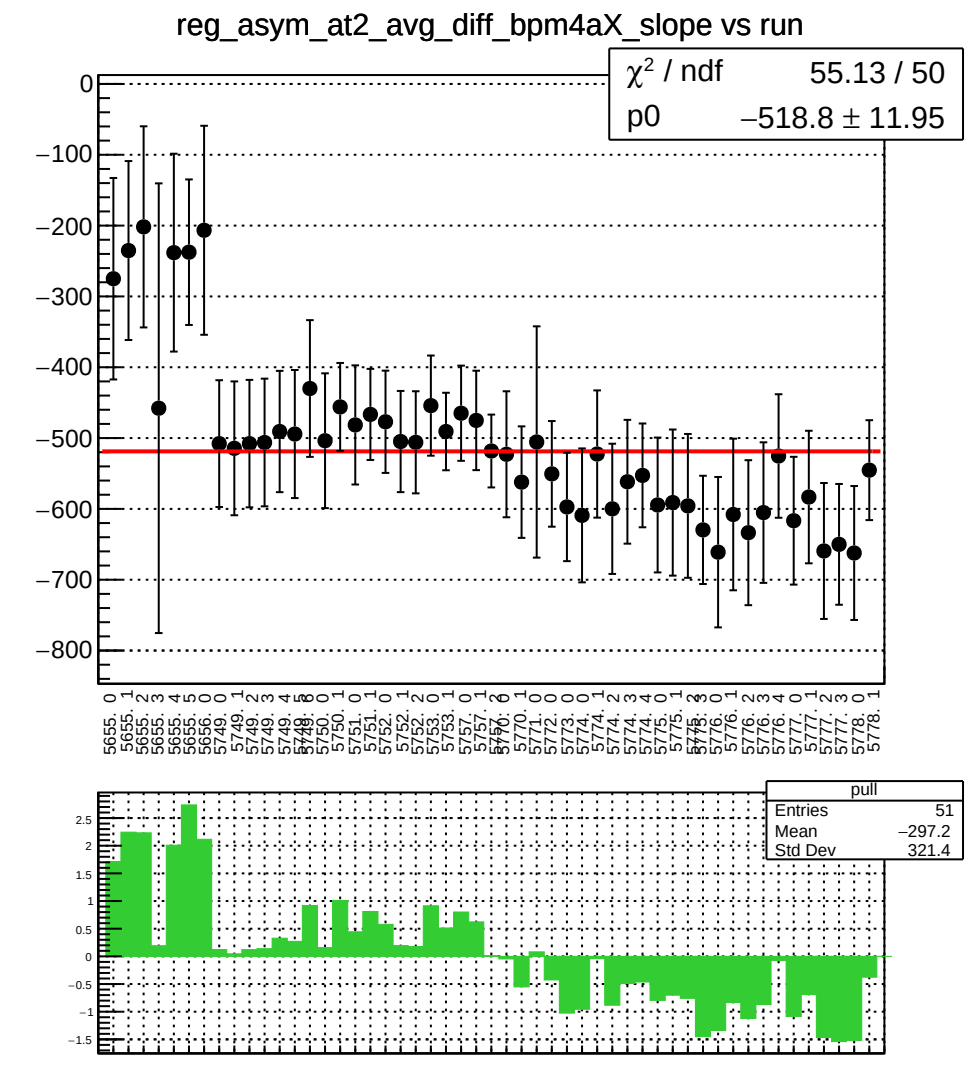

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.85 / 50
p0 104.9 ± 4.905
pull
Entries 51
Mean −529.6
Std Dev 552.1

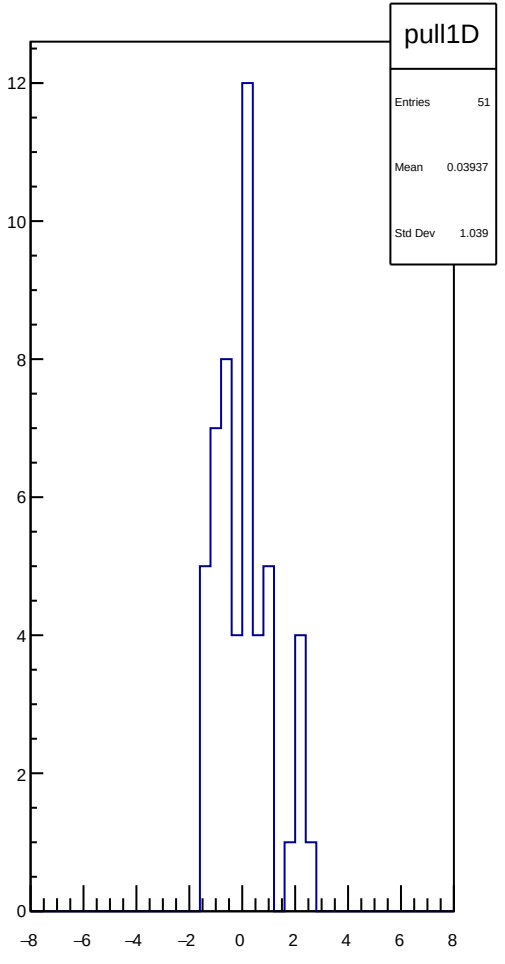

pull1D
Entries 51
Mean −0.01416
Std Dev 1.008

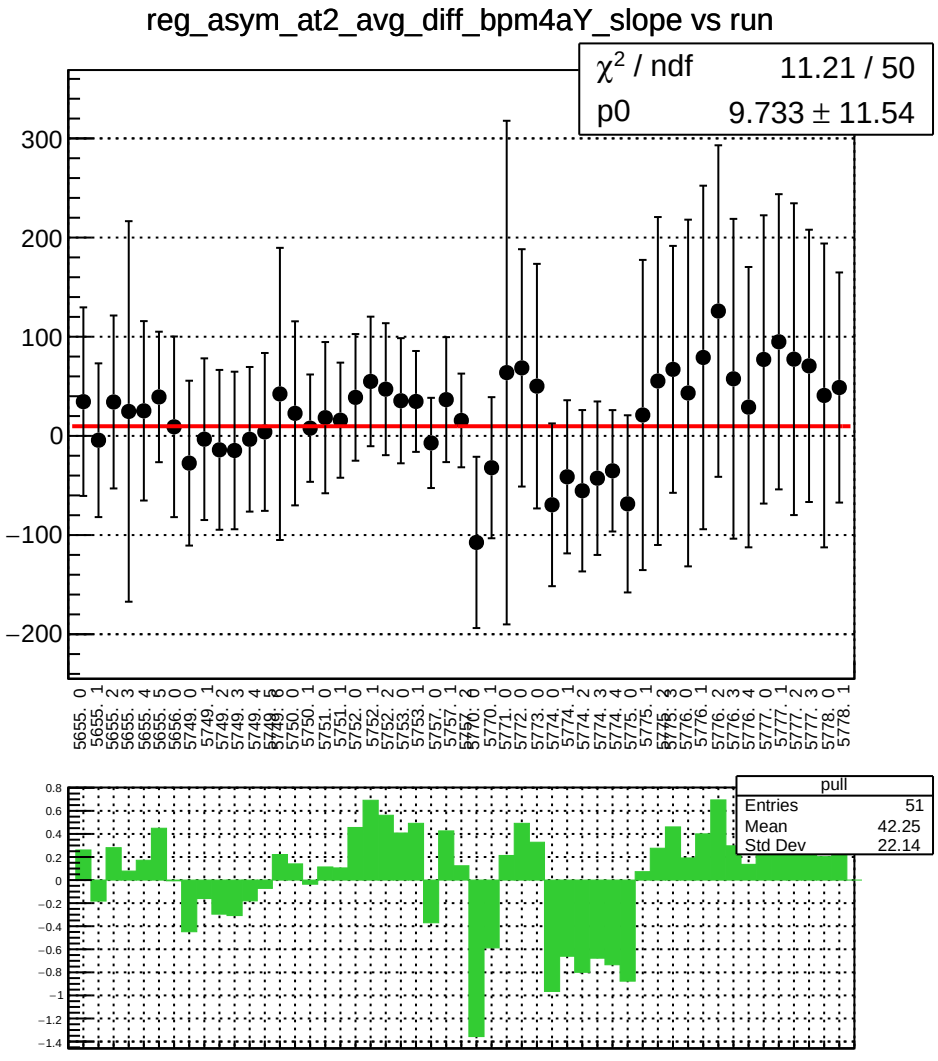

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.71 / 50
p0 −9.544 ± 4.063
pull
Entries 51
Mean 45.19
Std Dev 26.84

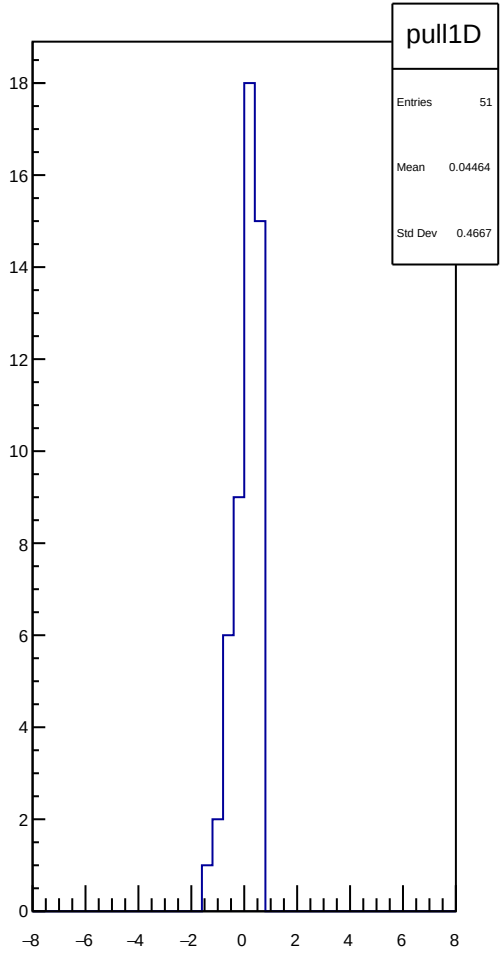

pull1D
Entries 51
Mean 0.03359
Std Dev 0.7752

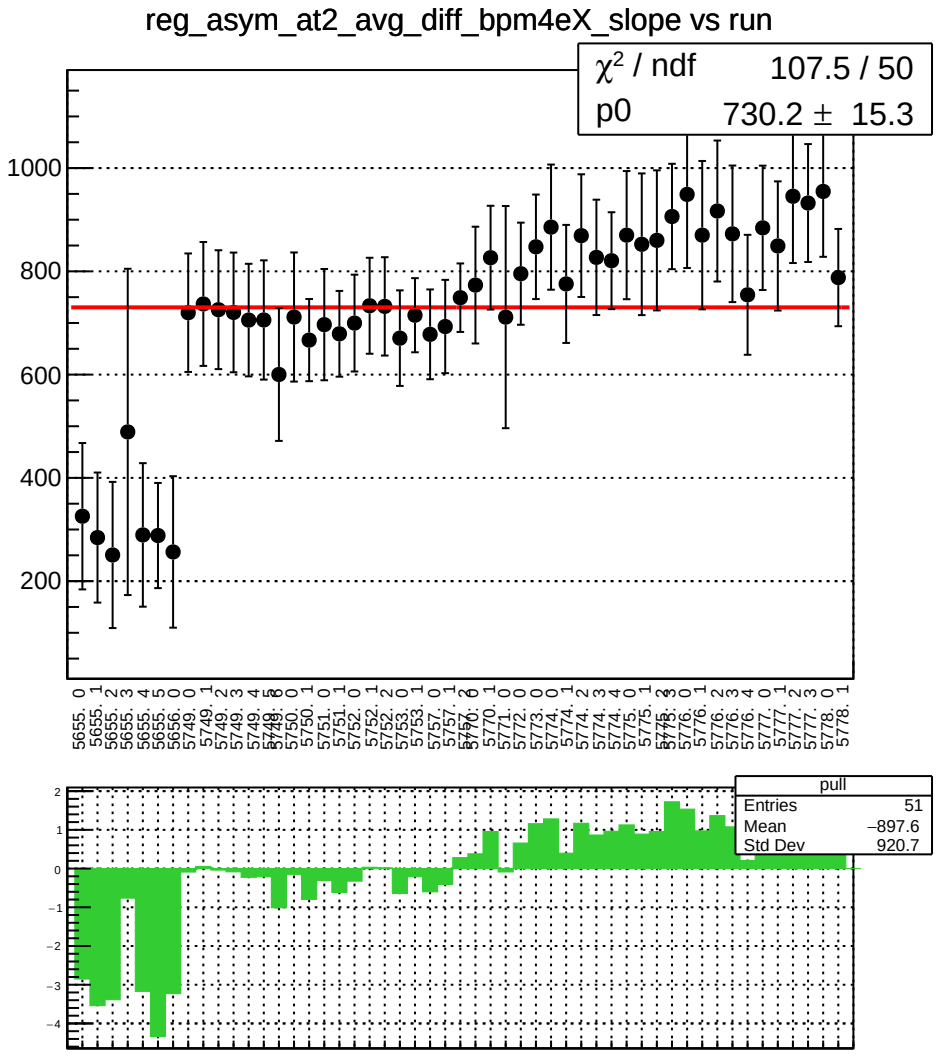

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 830.1 / 50
p0 −20.69 ± 0.2009
pull
Entries 51
Mean 76.37
Std Dev 49.87
pull1D
Entries 51
Mean −0.6436
Std Dev 3.645

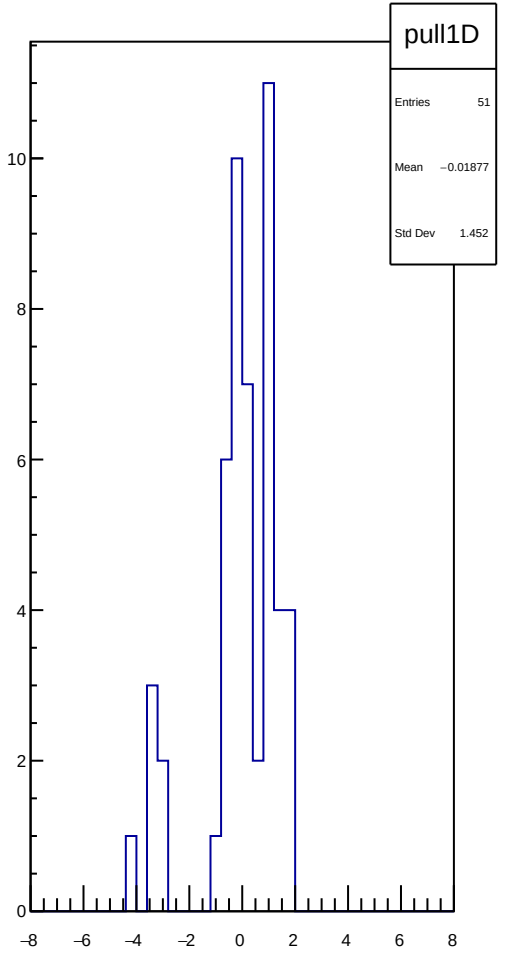

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.13 / 50
p0 −518.8 ± 11.95
pull
Entries 51
Mean −297.2
Std Dev 321.4

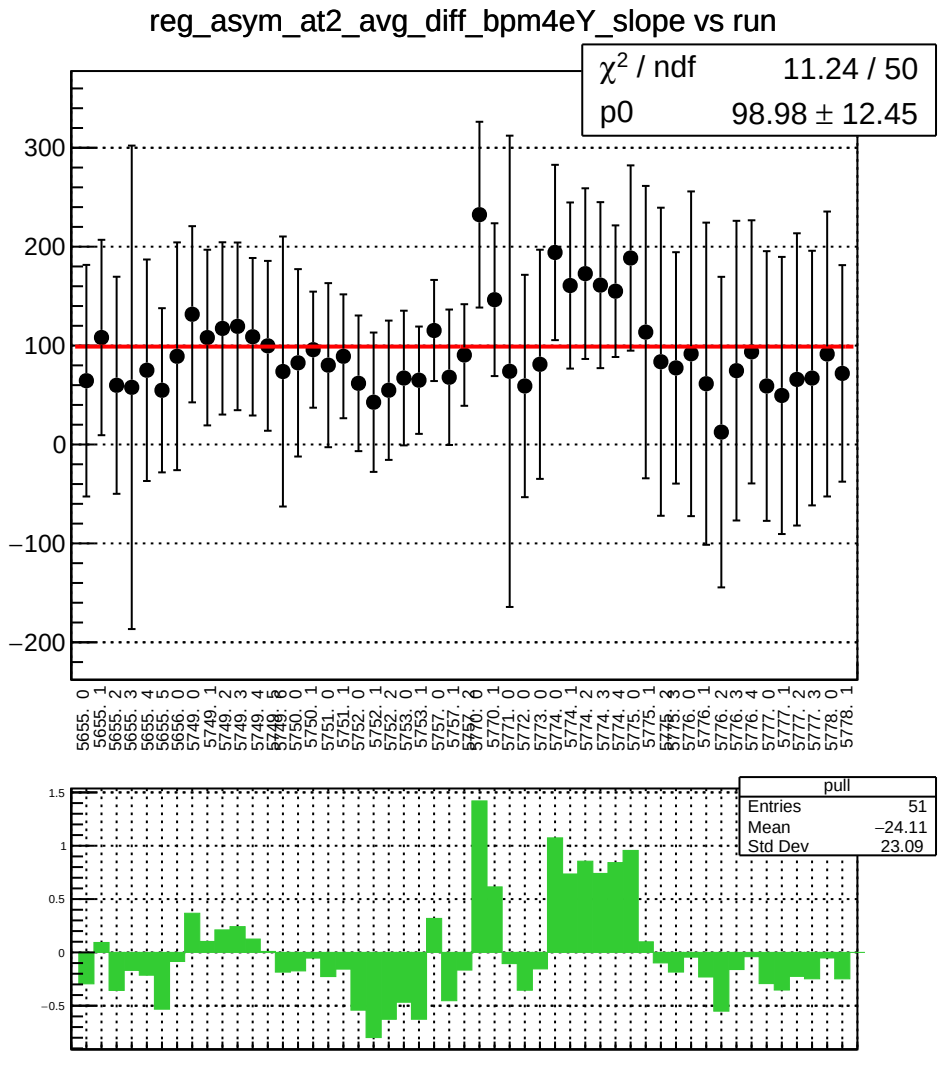

pull1D
Entries 51
Mean 0.03937
Std Dev 1.039

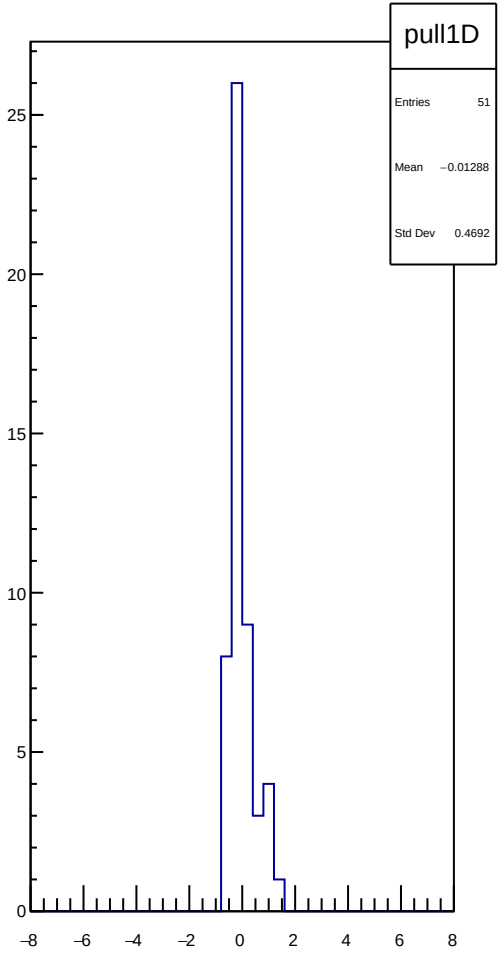

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.21 / 50
p0 9.733 ± 11.54
pull
Entries 51
Mean 42.25
Std Dev 22.14

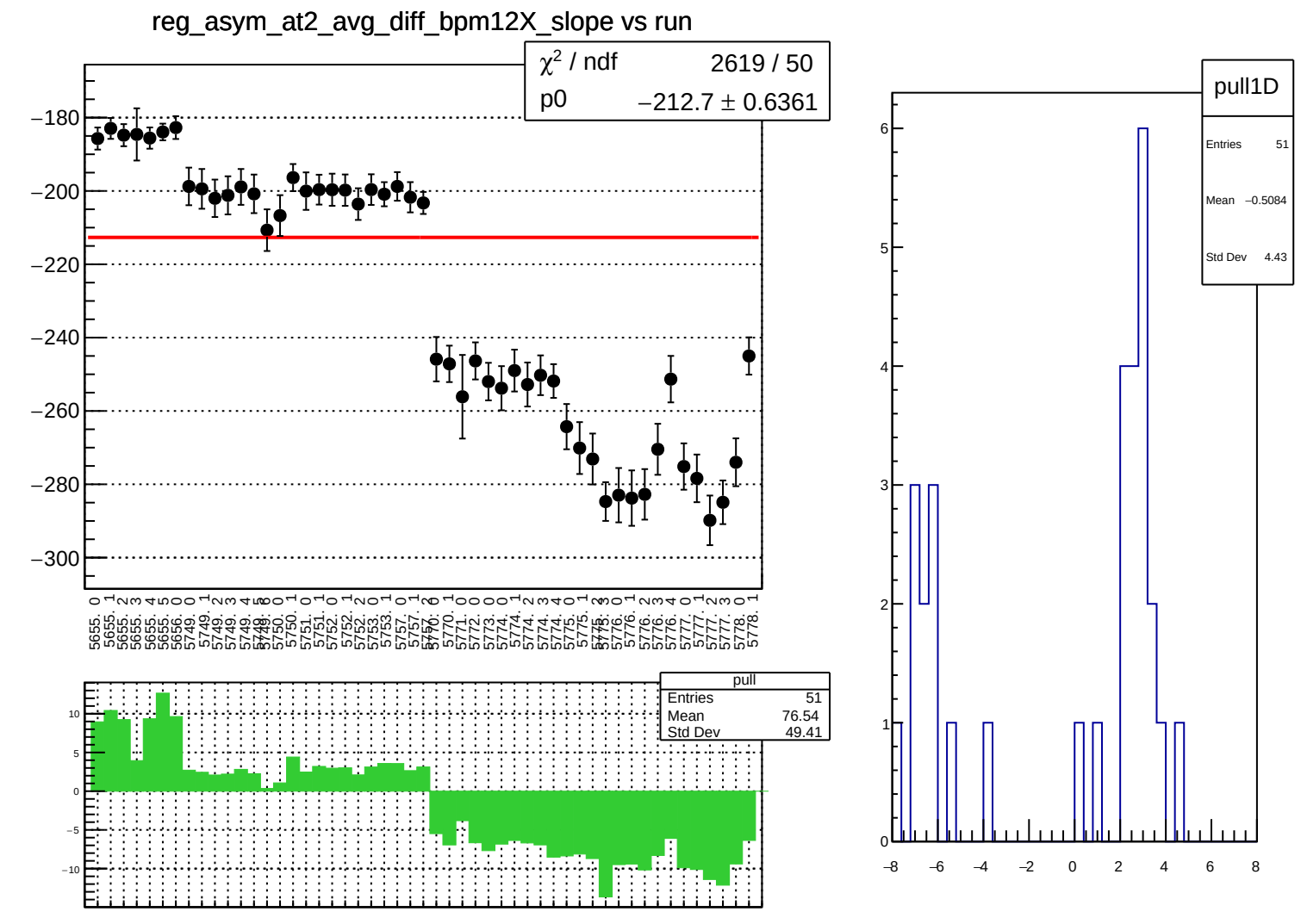

pull1D
Entries 51
Mean 0.04464
Std Dev 0.4667

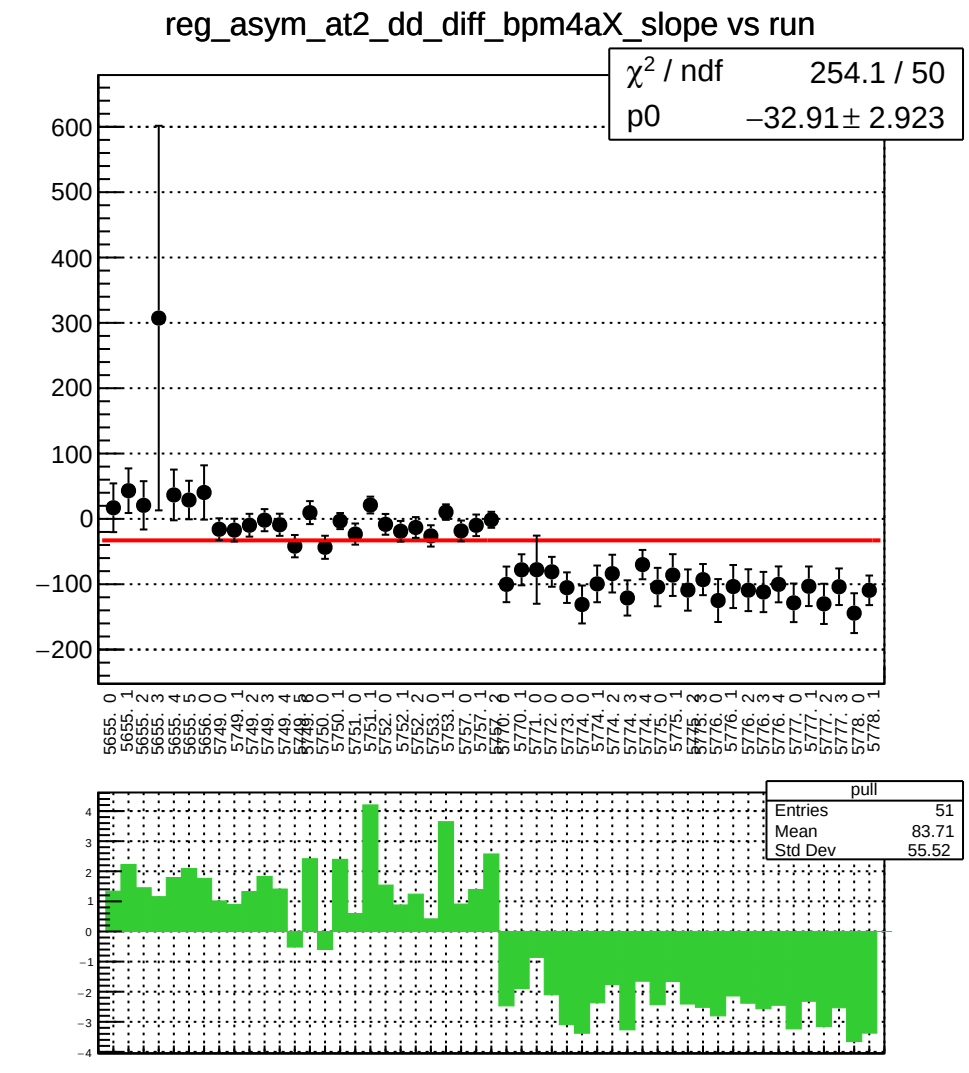

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.5 / 50
p0 730.2 ± 15.3
1000
800
600
400
200
pull
Entries 51
Mean −897.6
Std Dev 920.7
2
1
0
−1
−2
−3
−4

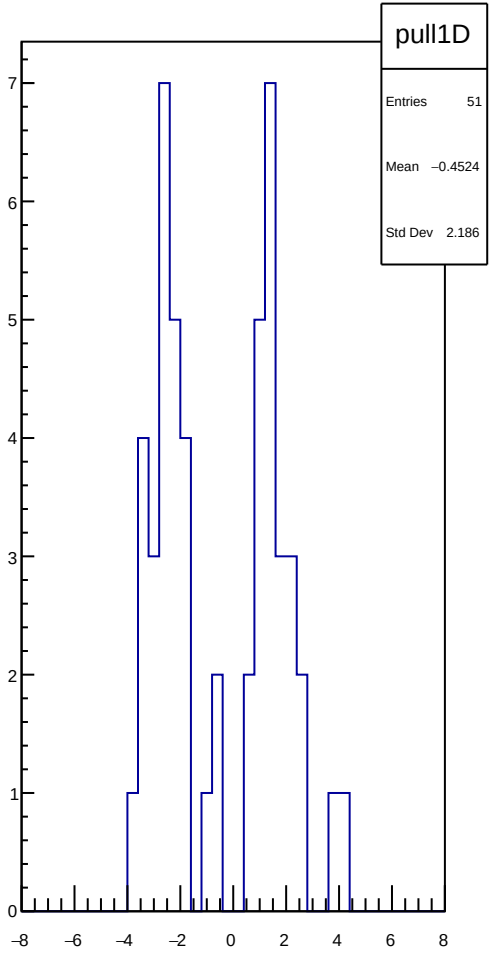

pull1D
Entries 51
Mean −0.01877
Std Dev 1.452
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

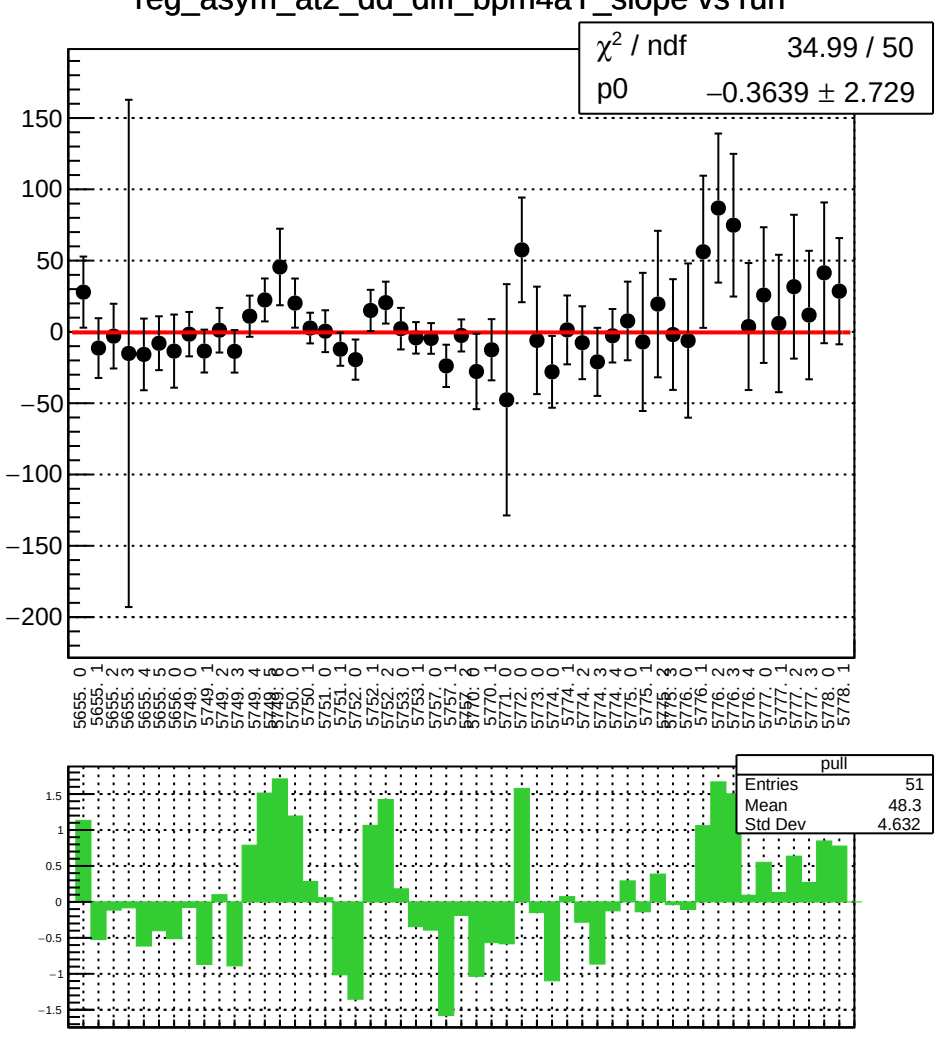

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.24 / 50
p0 98.98 ± 12.45
pull
Entries 51
Mean −24.11
Std Dev 23.09

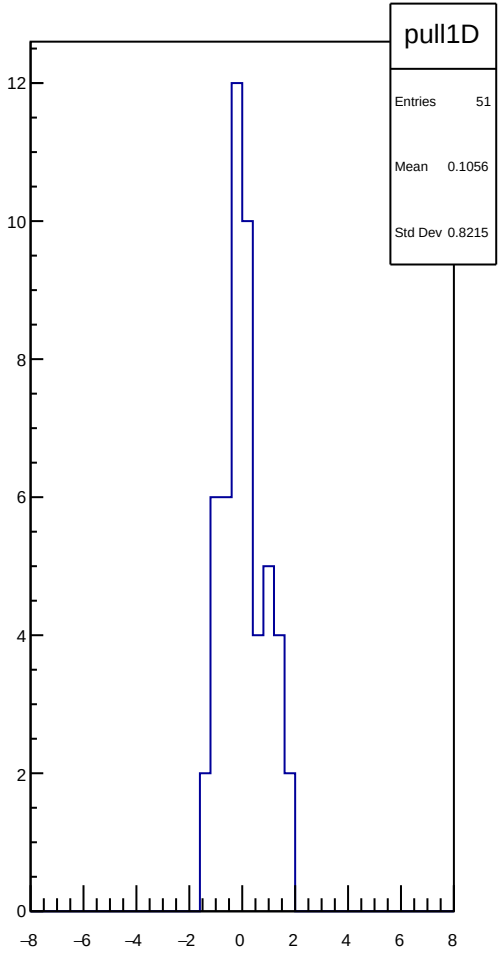

pull1D
Entries 51
Mean −0.01288
Std Dev 0.4692

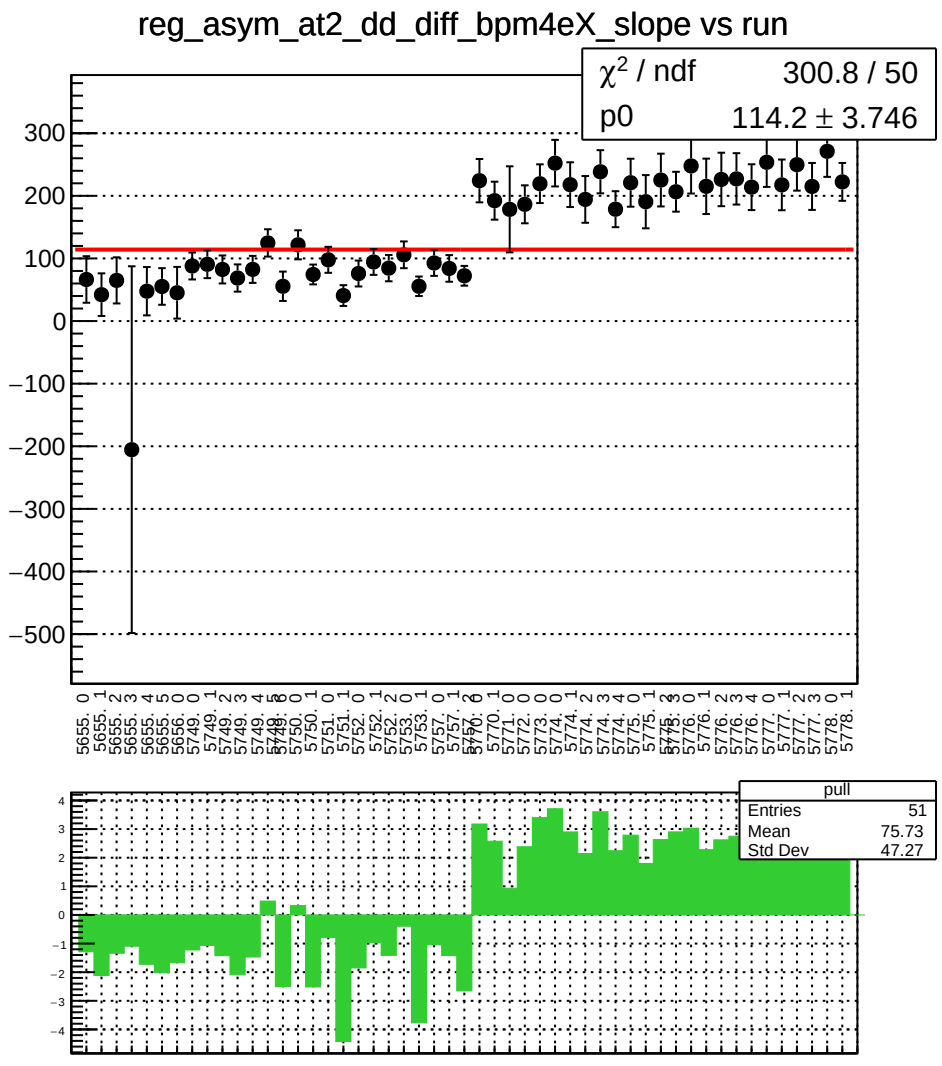

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 2619 / 50
p0 −212.7 ± 0.6361
pull
Entries 51
Mean 76.54
Std Dev 49.41
pull1D
Entries 51
Mean −0.5084
Std Dev 4.43

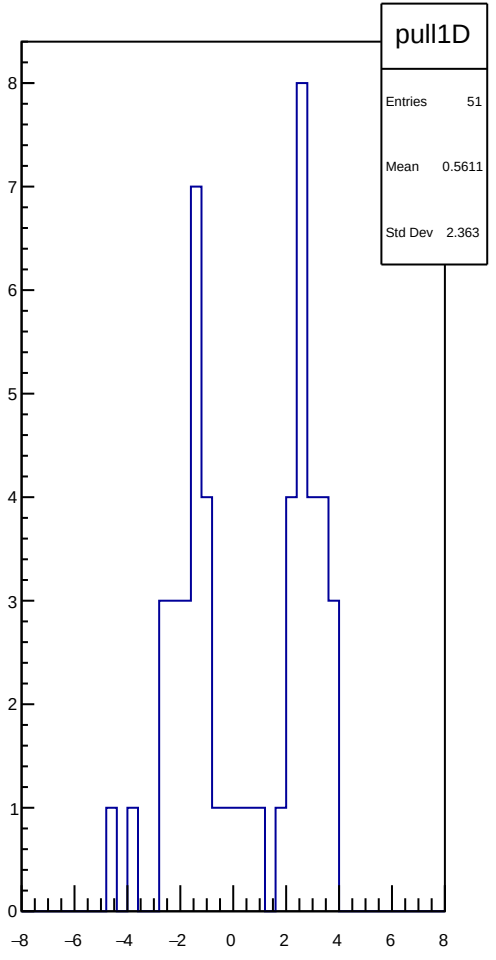

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 254.1 / 50
p0 −32.91± 2.923
pull
Entries 51
Mean 83.71
Std Dev 55.52

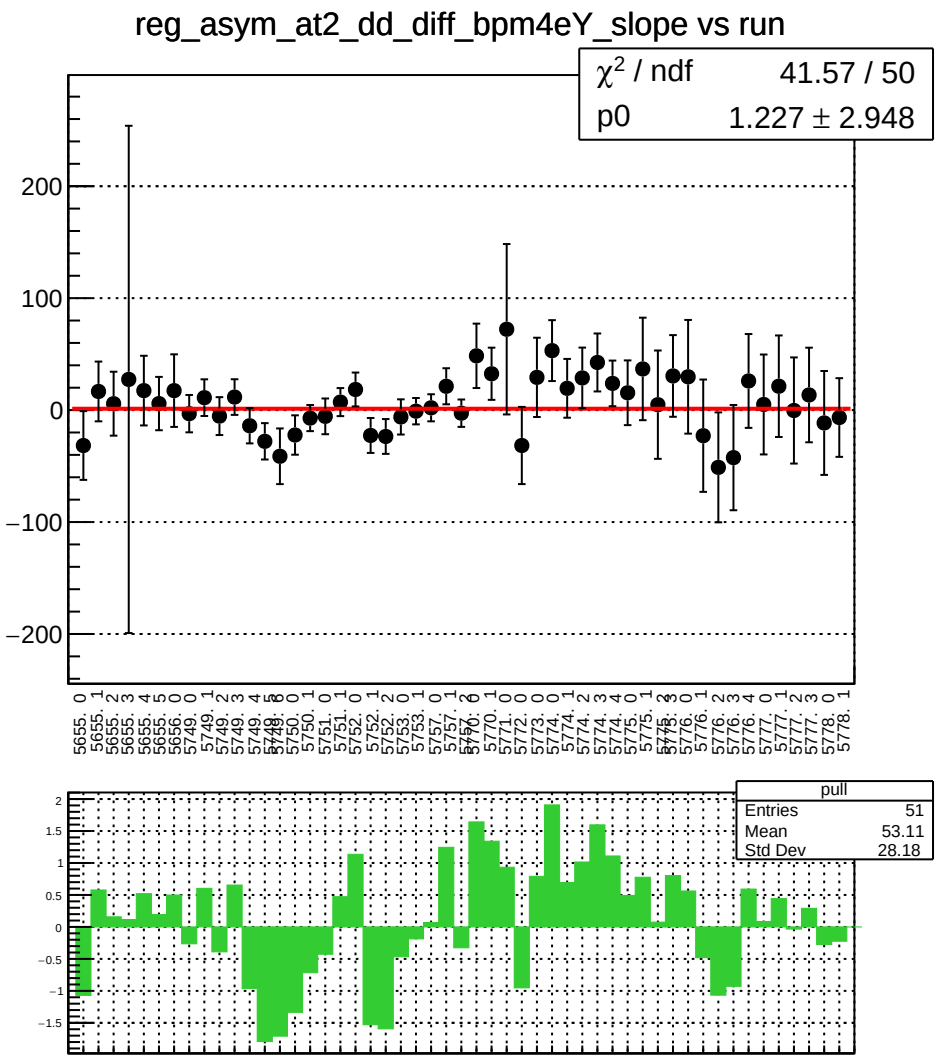

pull1D
Entries 51
Mean −0.4524
Std Dev 2.186

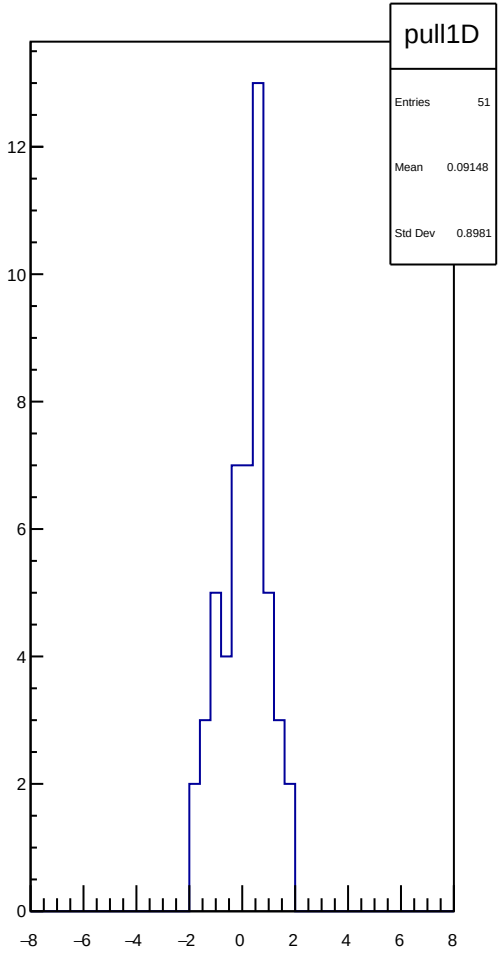

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.99 / 50
p0 −0.3639 ± 2.729
pull
Entries 51
Mean 48.3
Std Dev 4.632

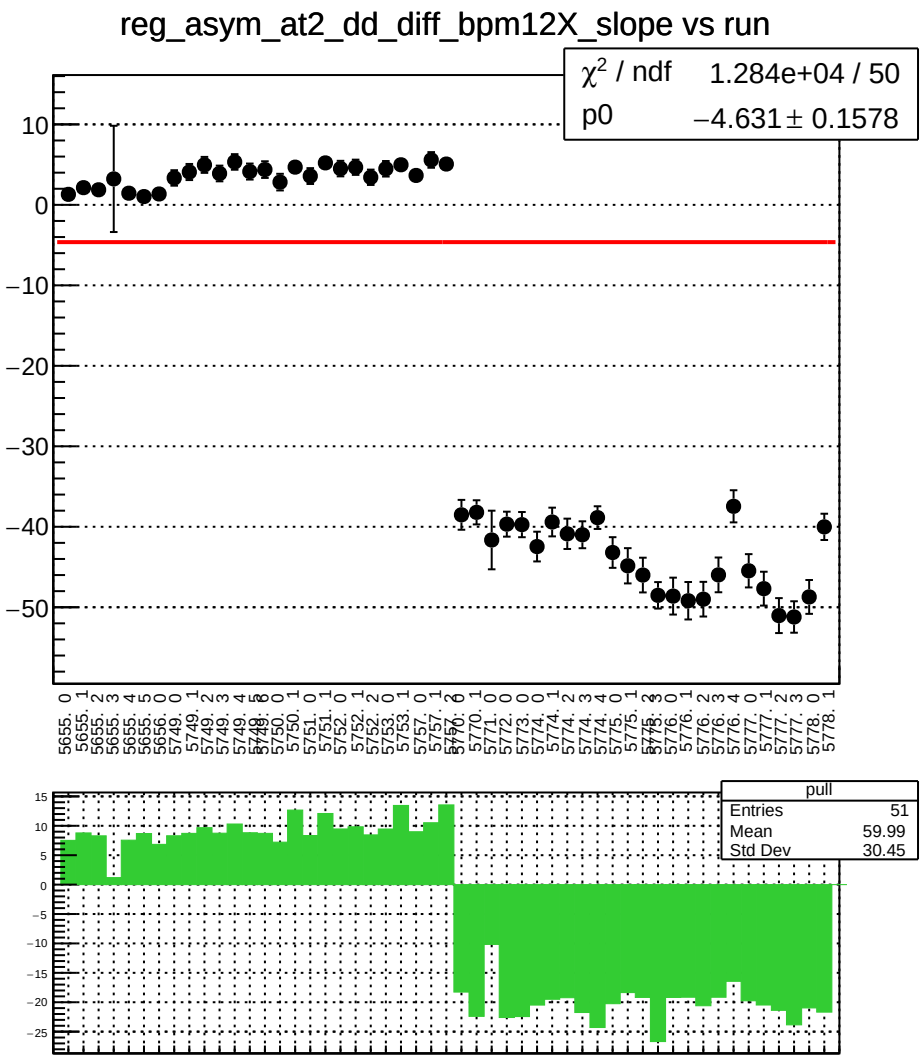

pull1D
Entries 51
Mean 0.1056
Std Dev 0.8215

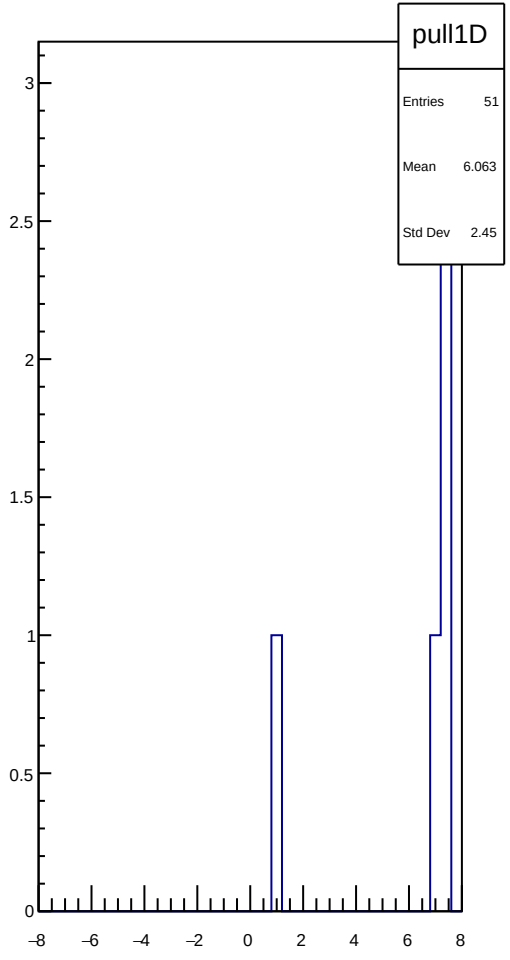

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 300.8 / 50
p0 114.2 ± 3.746
pull
Entries 51
Mean 75.73
Std Dev 47.27

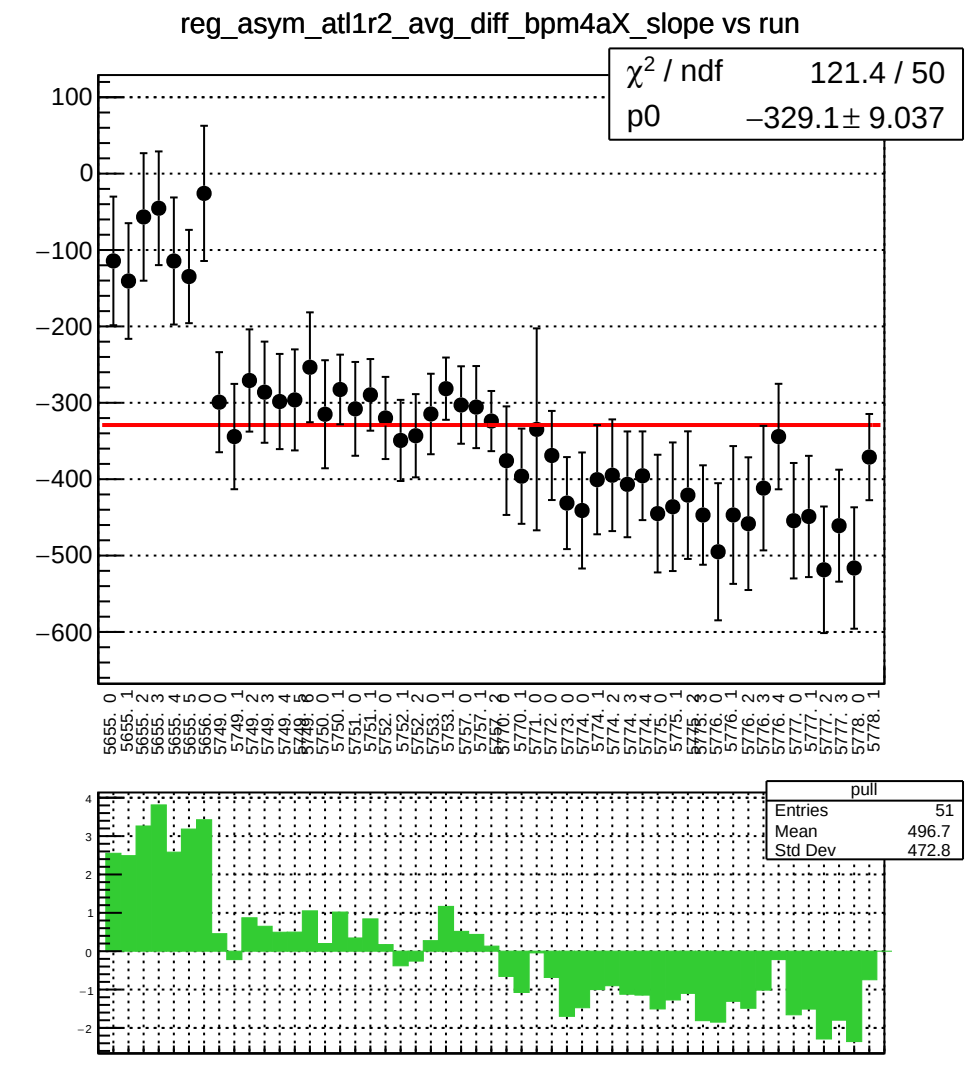

pull1D
Entries 51
Mean 0.5611
Std Dev 2.363

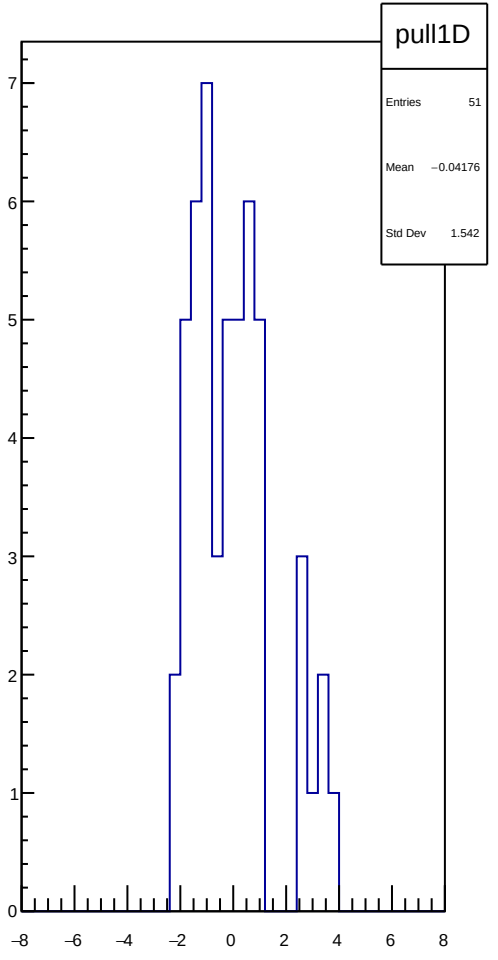

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.57 / 50
p0 1.227 ± 2.948
200
100
0
−100
−200
pull
Entries 51
Mean 53.11
Std Dev 28.18
2
1.5
1
0.5
0
−0.5
−1
−1.5

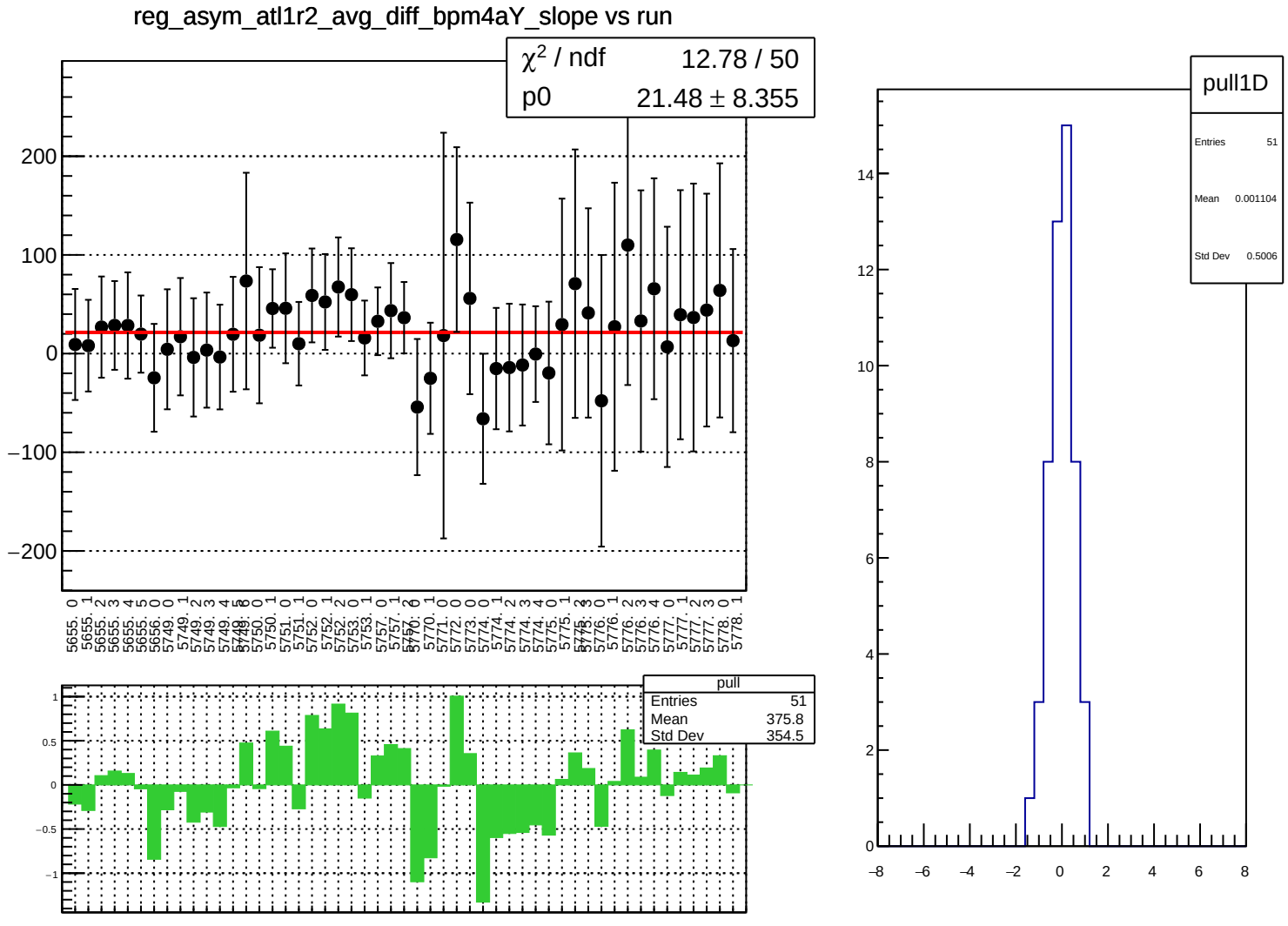

pull1D
Entries 51
Mean 0.09148
Std Dev 0.8981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

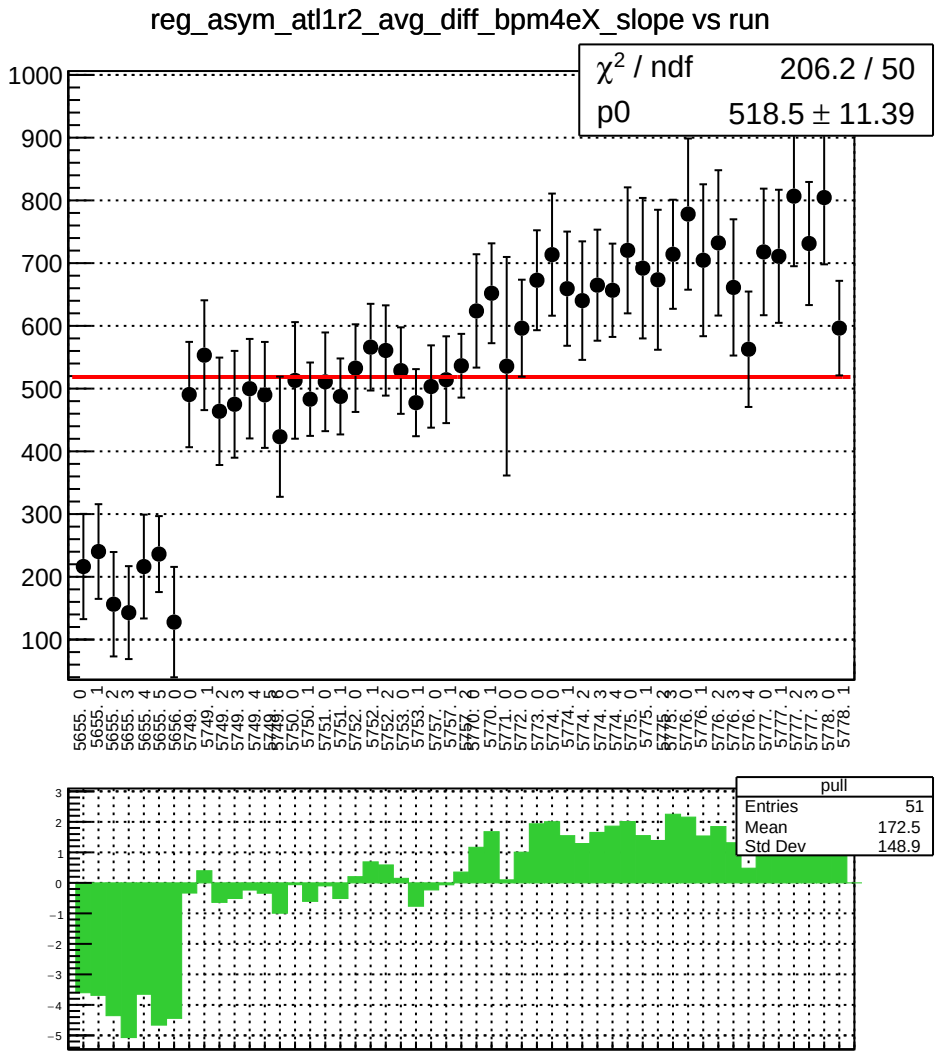

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.284e+04 / 50
p0 −4.631 ± 0.1578
pull
Entries 51
Mean 59.99
Std Dev 30.45

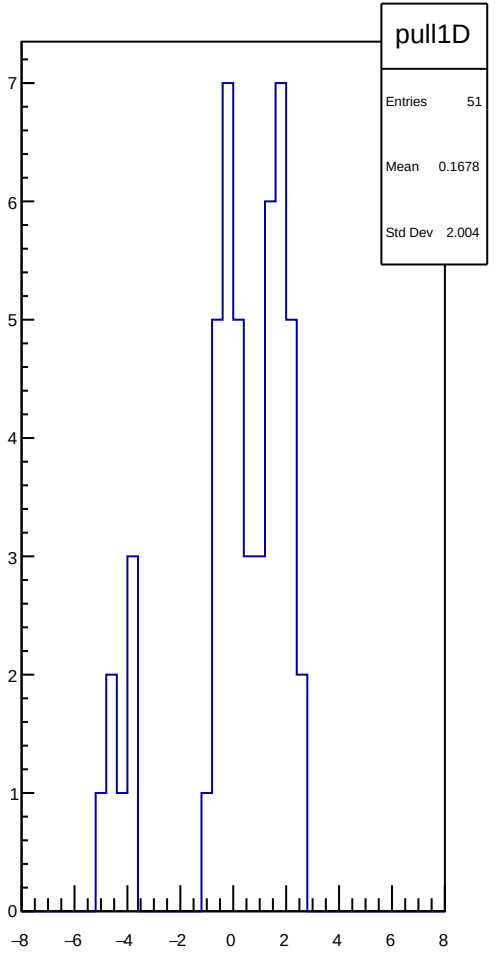

pull1D
Entries 51
Mean 6.063
Std Dev 2.45

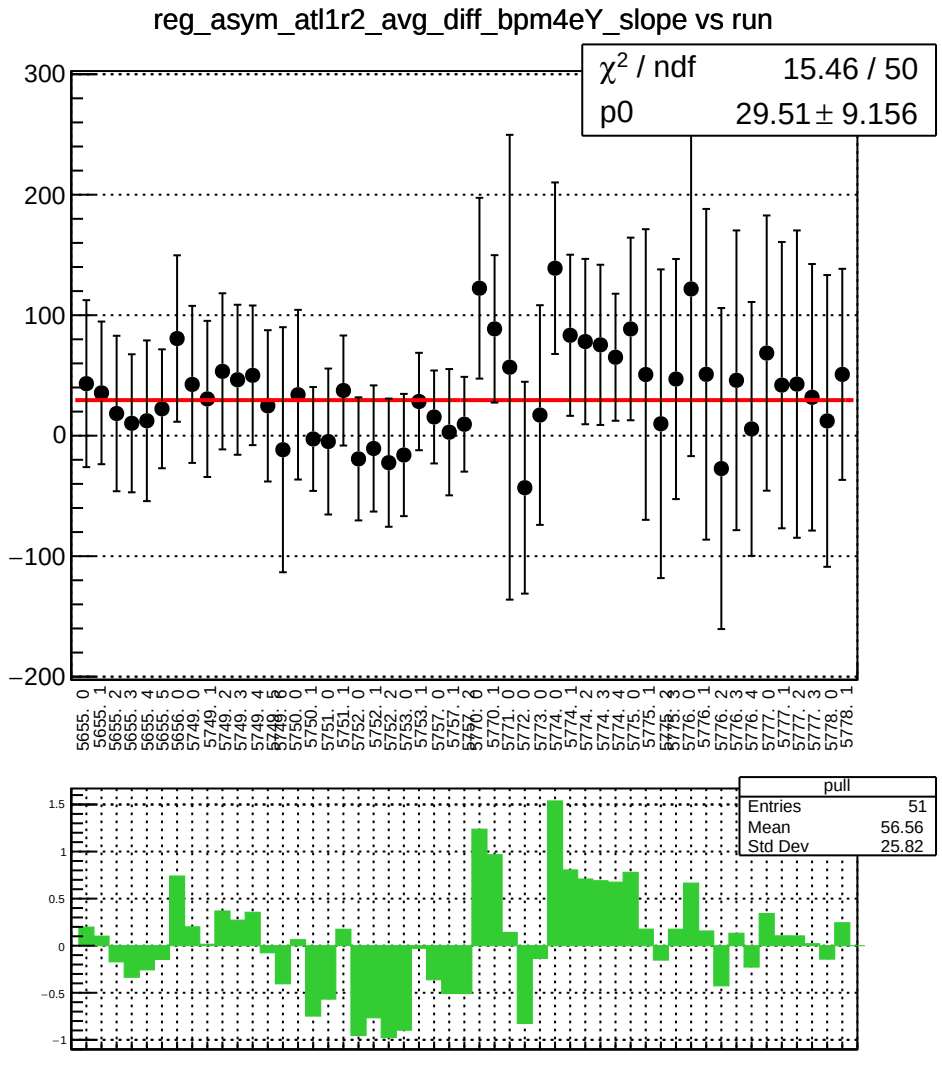

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 121.4 / 50
p0 −329.1± 9.037
pull
Entries 51
Mean 496.7
Std Dev 472.8

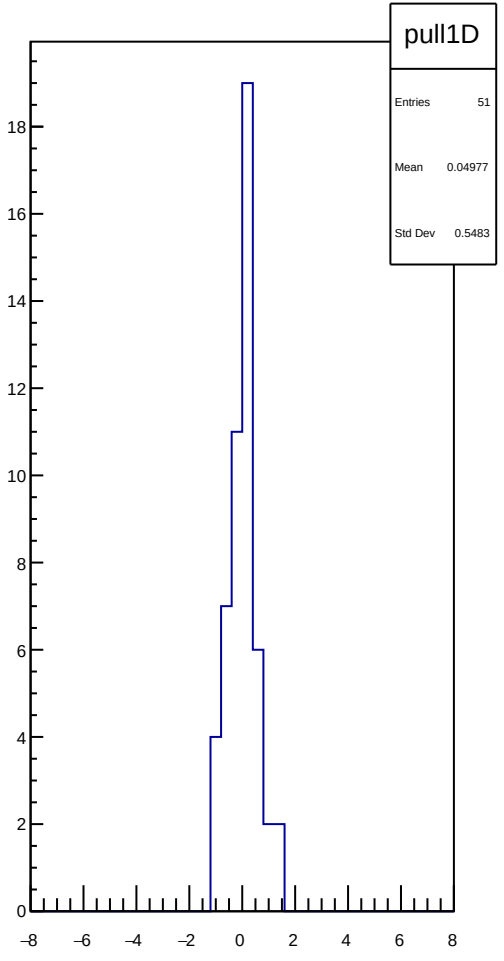

pull1D
Entries 51
Mean −0.04176
Std Dev 1.542


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

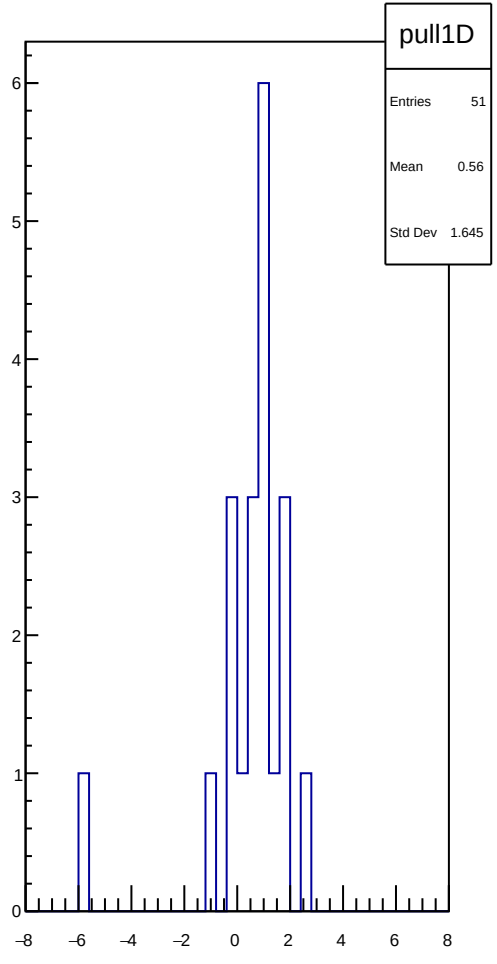

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 206.2 / 50
p0 518.5 ± 11.39
pull
Entries 51
Mean 172.5
Std Dev 148.9

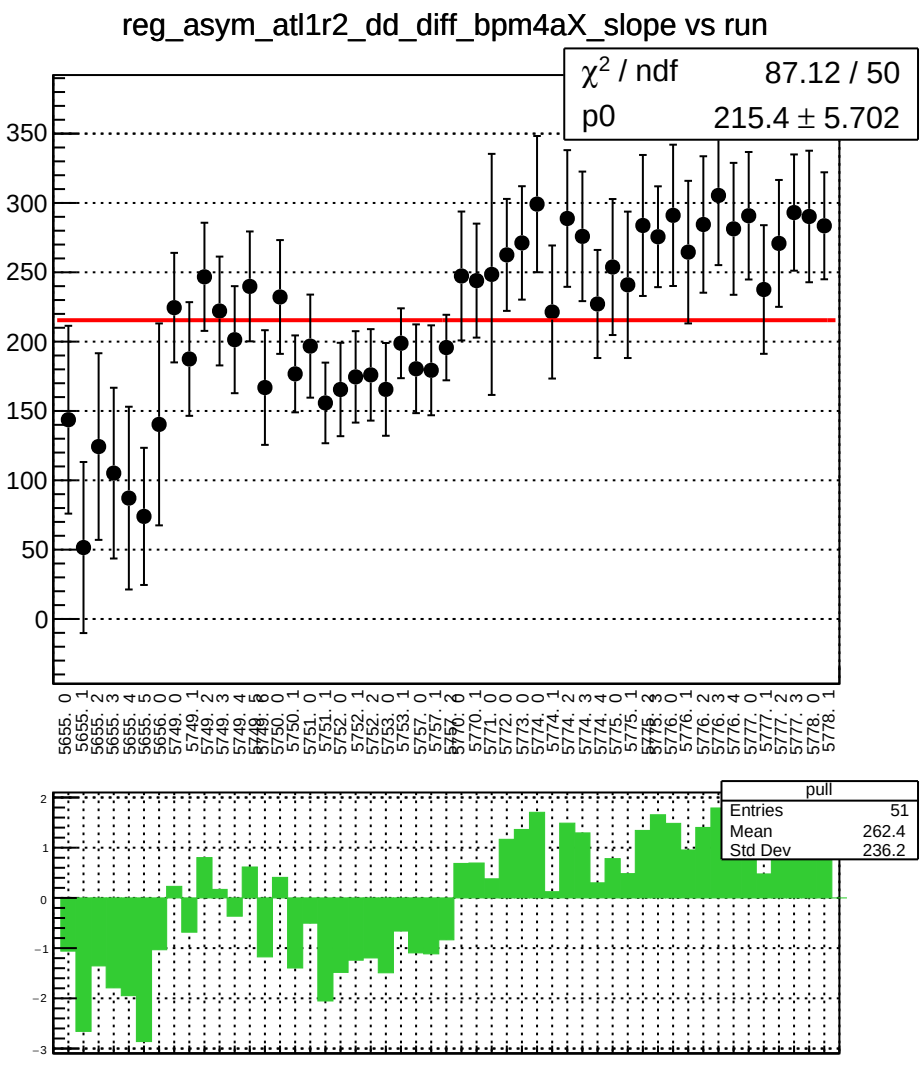

pull1D
Entries 51
Mean 0.1678
Std Dev 2.004

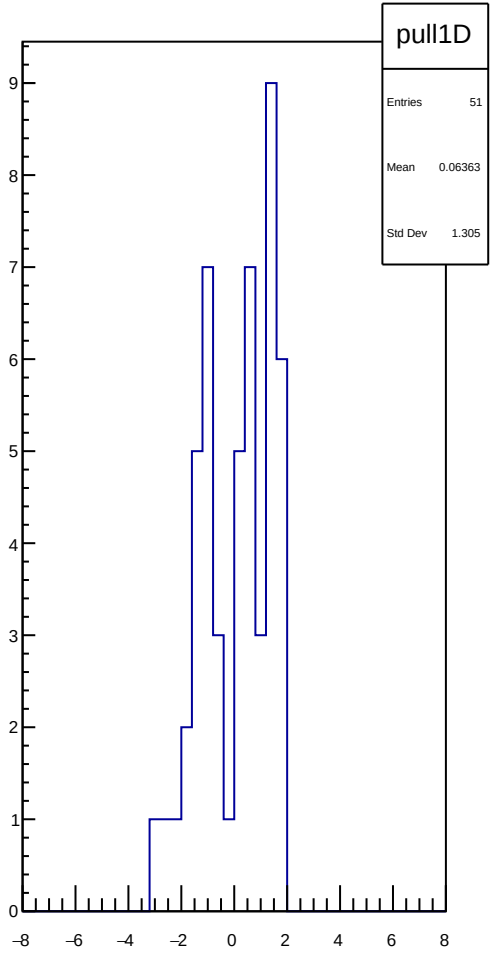

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 50
p0 29.51 ± 9.156
pull
Entries 51
Mean 56.56
Std Dev 25.82

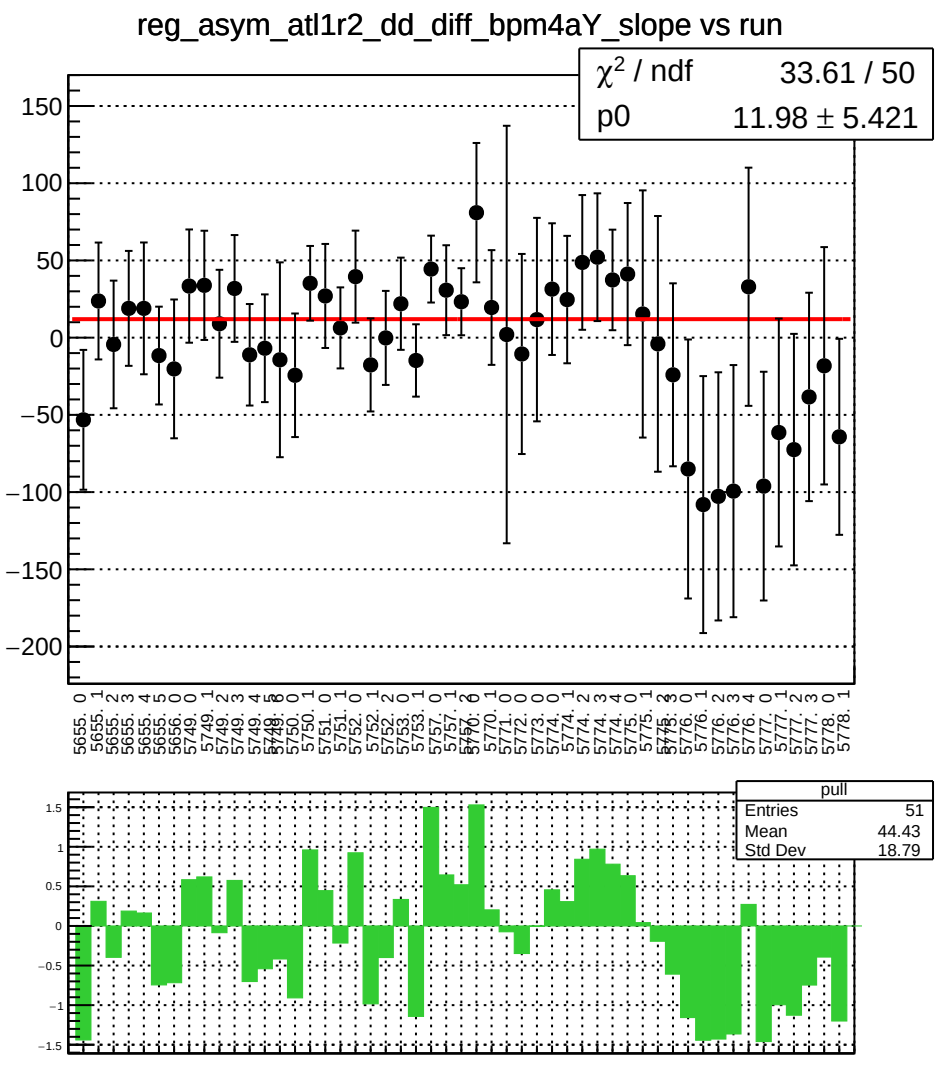

pull1D
Entries 51
Mean 0.04977
Std Dev 0.5483

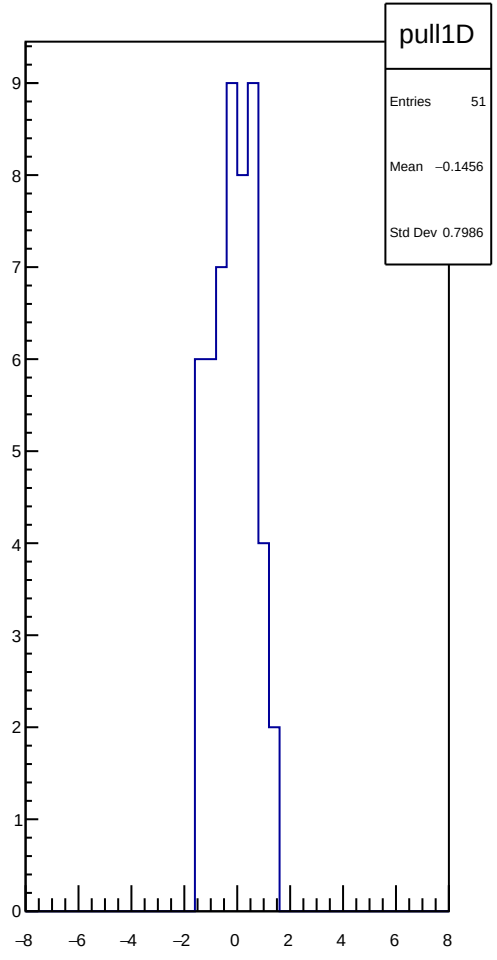

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5389 / 50
p0 −128.8 ± 0.4319
pull
Entries 51
Mean 58.71
Std Dev 31.1

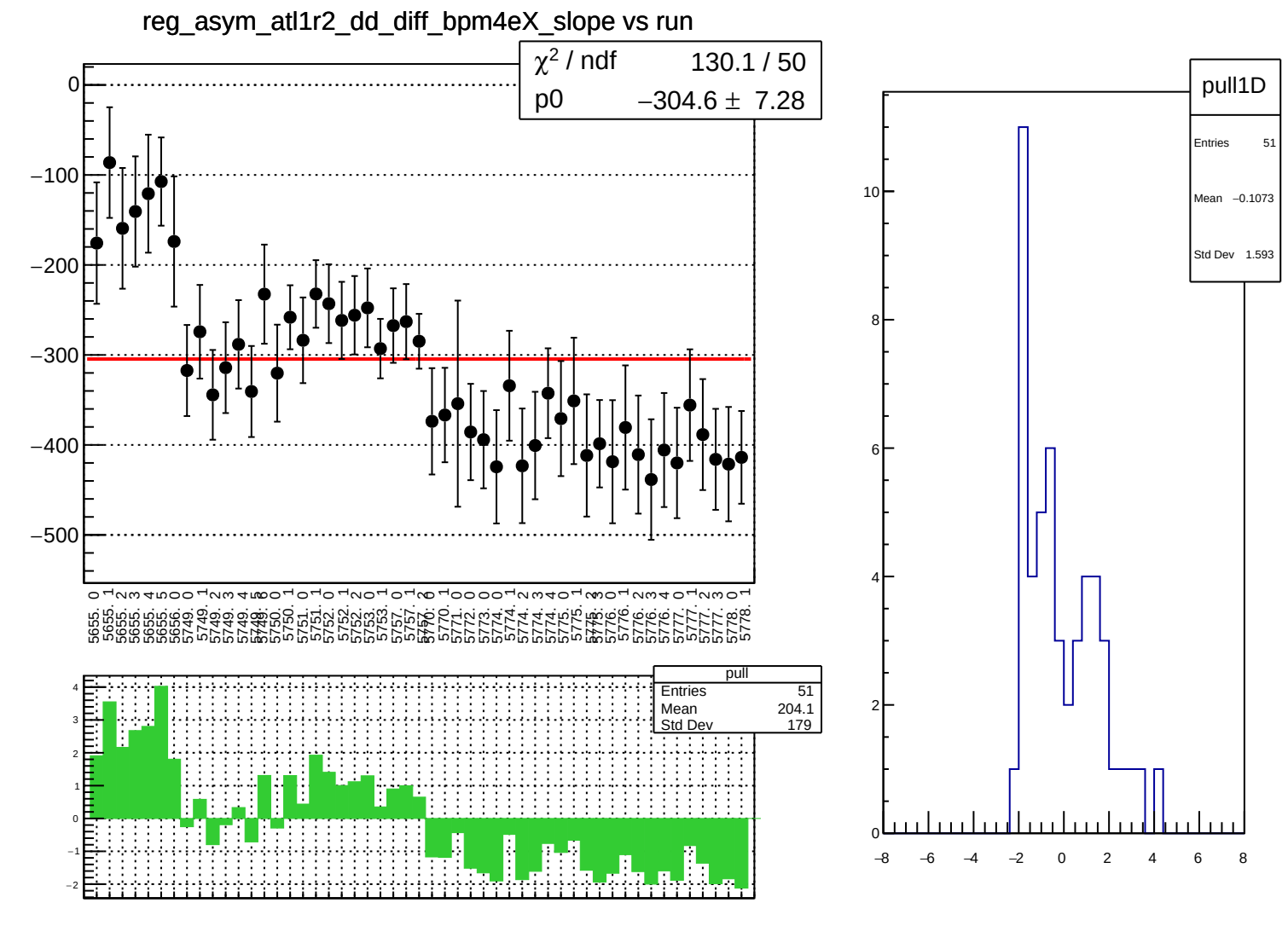

pull1D
Entries 51
Mean 0.56
Std Dev 1.645

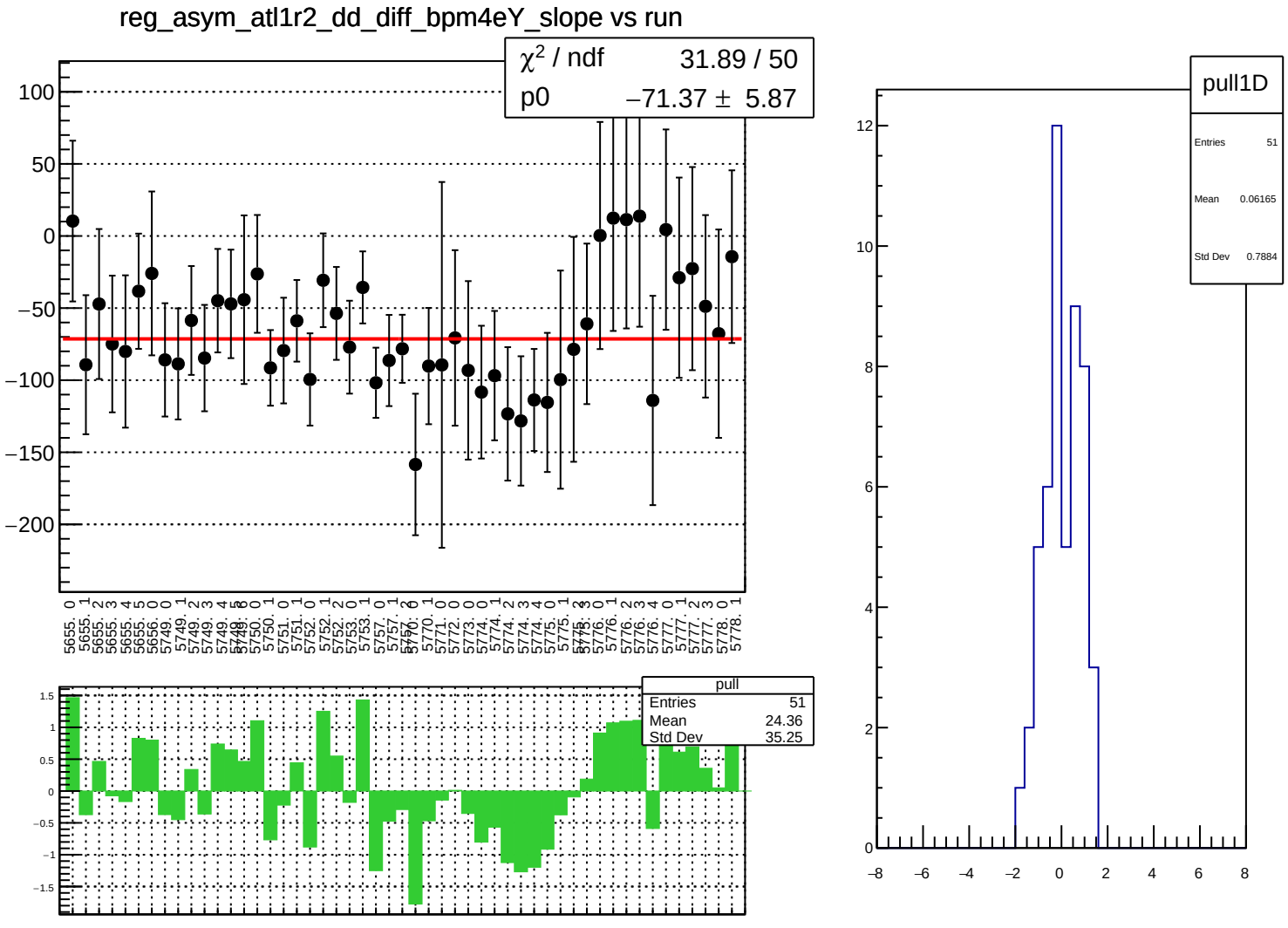

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 87.12 / 50
p0 215.4 ± 5.702
pull
Entries 51
Mean 262.4
Std Dev 236.2

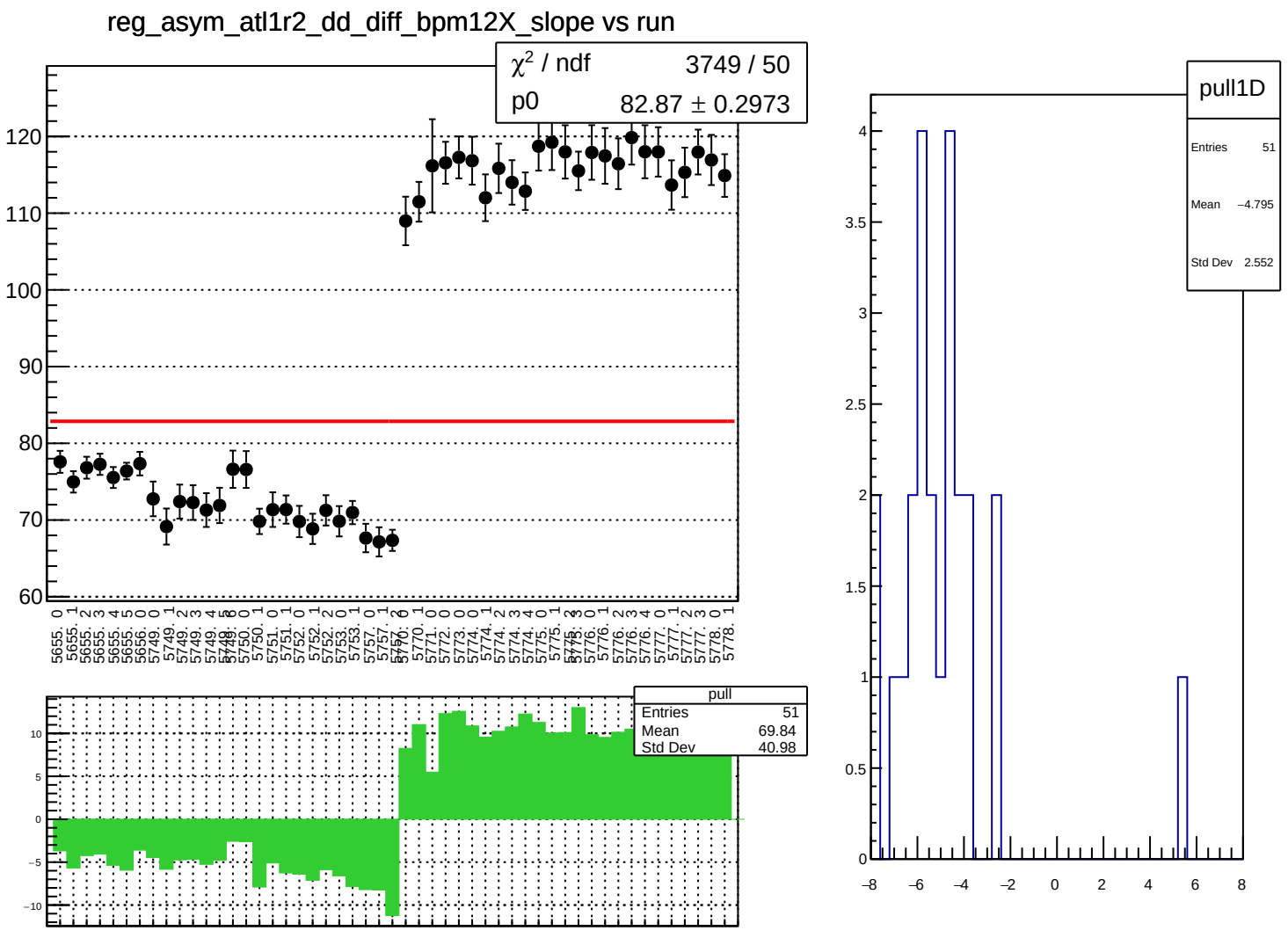

pull1D
Entries 51
Mean 0.06363
Std Dev 1.305

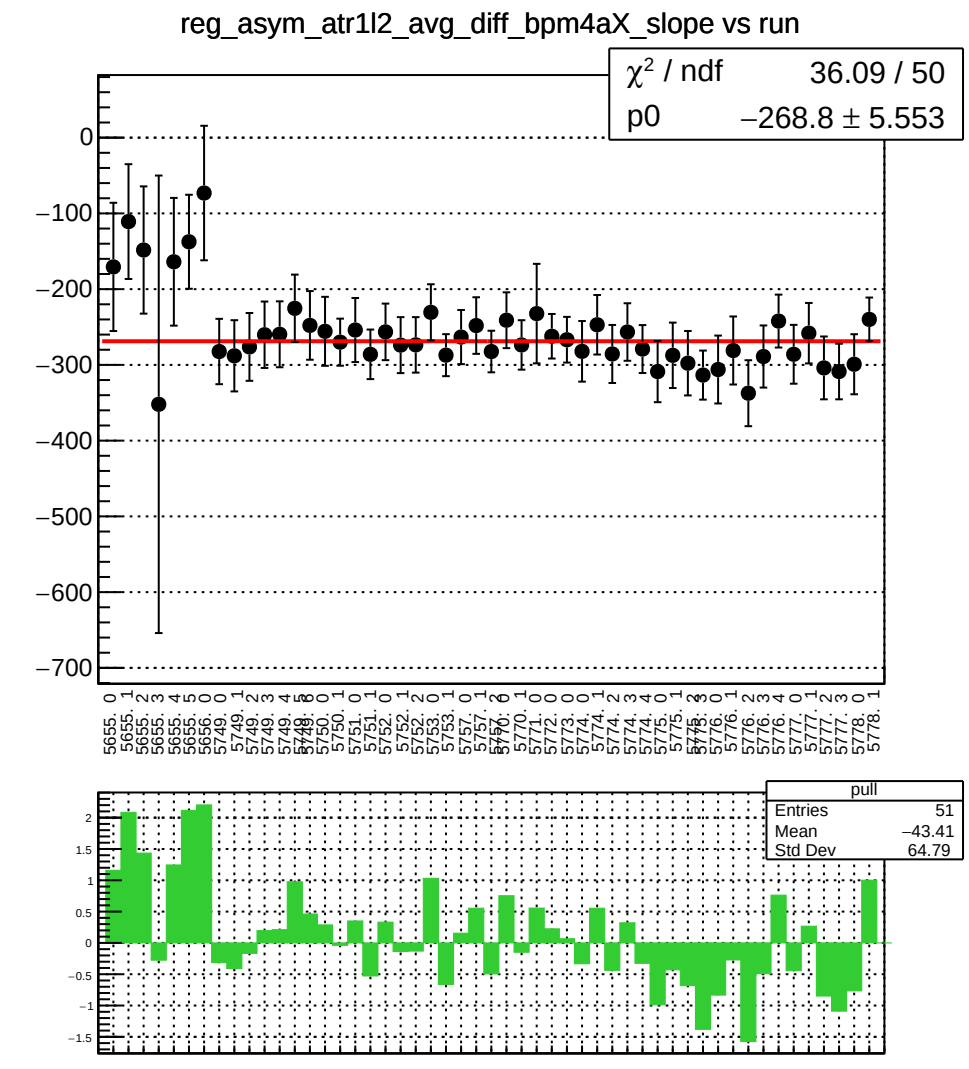

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 50
p0 11.98 ± 5.421
pull
Entries 51
Mean 44.43
Std Dev 18.79

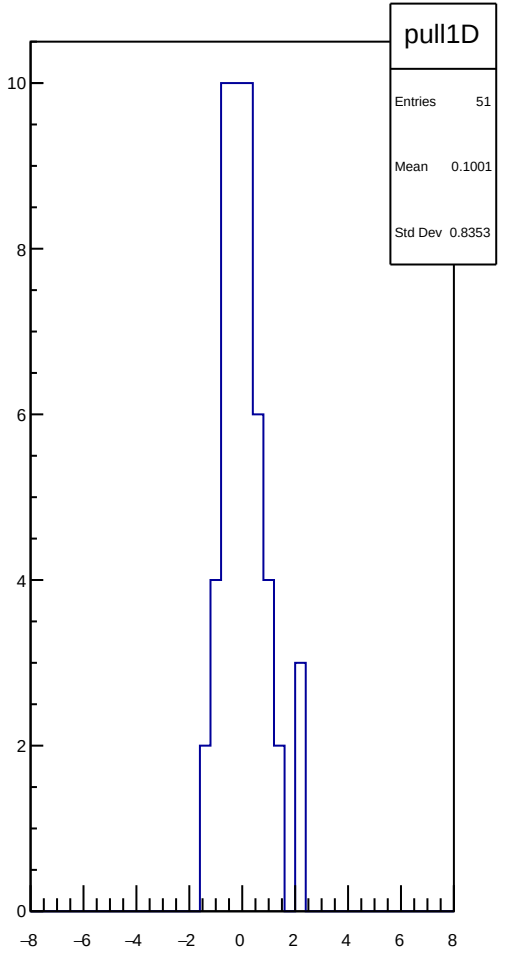

pull1D
Entries 51
Mean −0.1456
Std Dev 0.7986

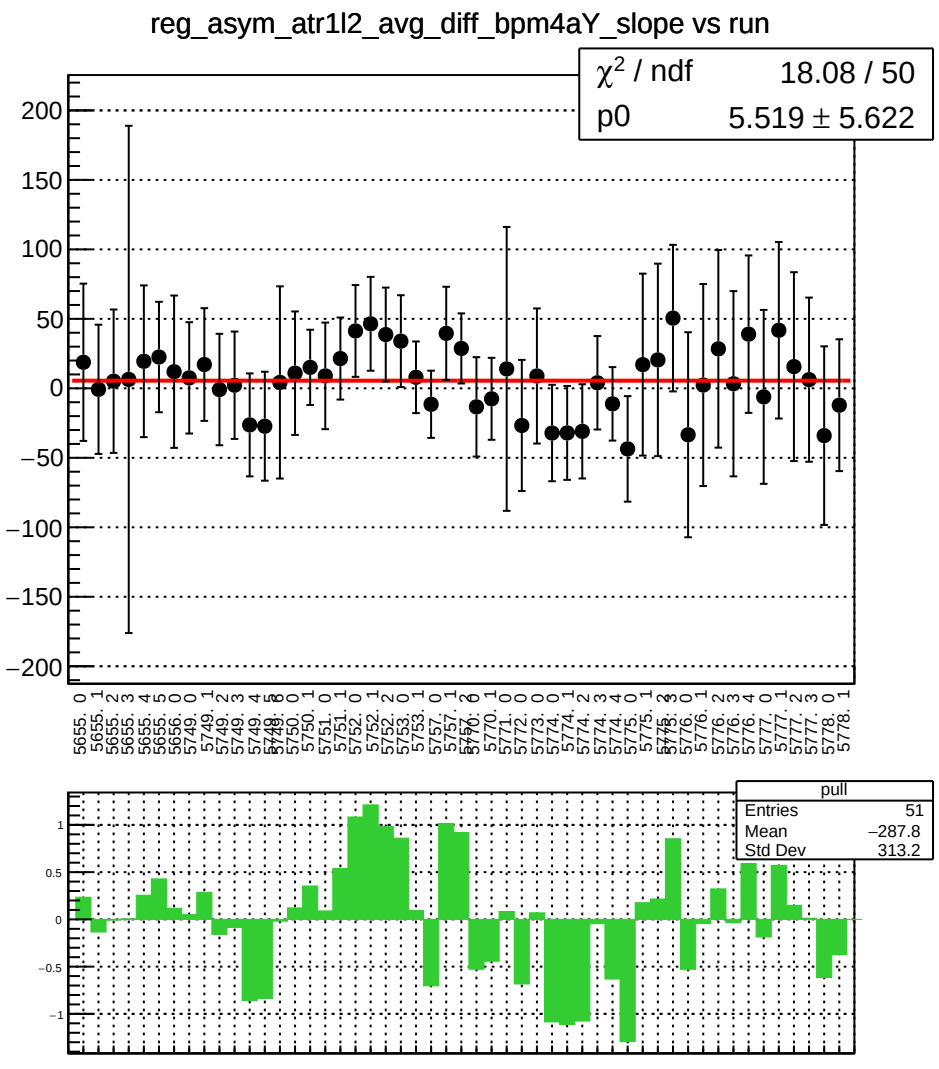

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.1 / 50
p0 −304.6 ± 7.28
pull
Entries 51
Mean 204.1
Std Dev 179
pull1D
Entries 51
Mean −0.1073
Std Dev 1.593

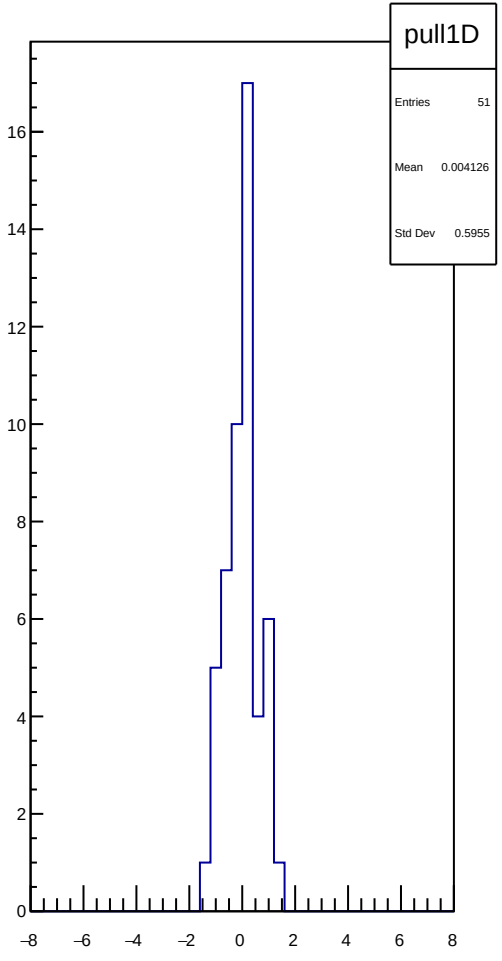

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.89 / 50
p0 −71.37 ± 5.87
pull
Entries 51
Mean 24.36
Std Dev 35.25
pull1D
Entries 51
Mean 0.06165
Std Dev 0.7884

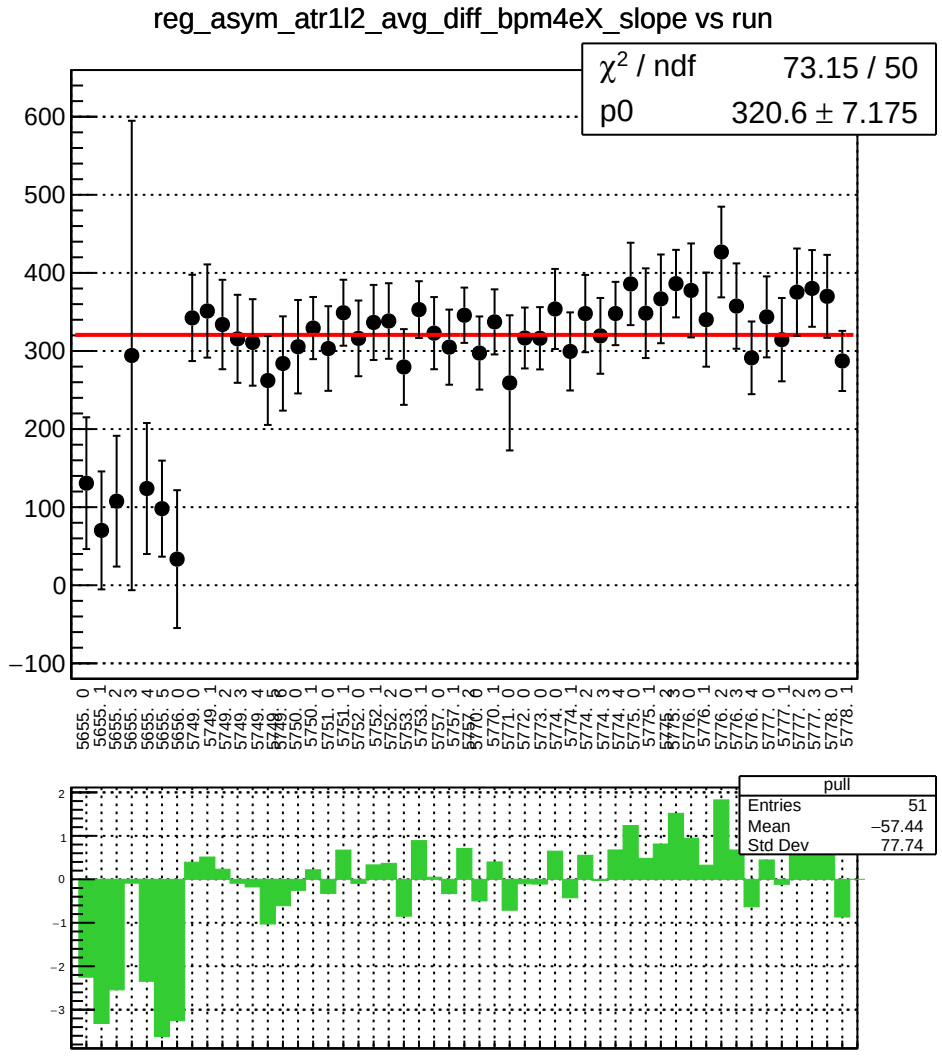

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 3749 / 50
p0 82.87 ± 0.2973
pull
Entries 51
Mean 69.84
Std Dev 40.98
pull1D
Entries 51
Mean −4.795
Std Dev 2.552

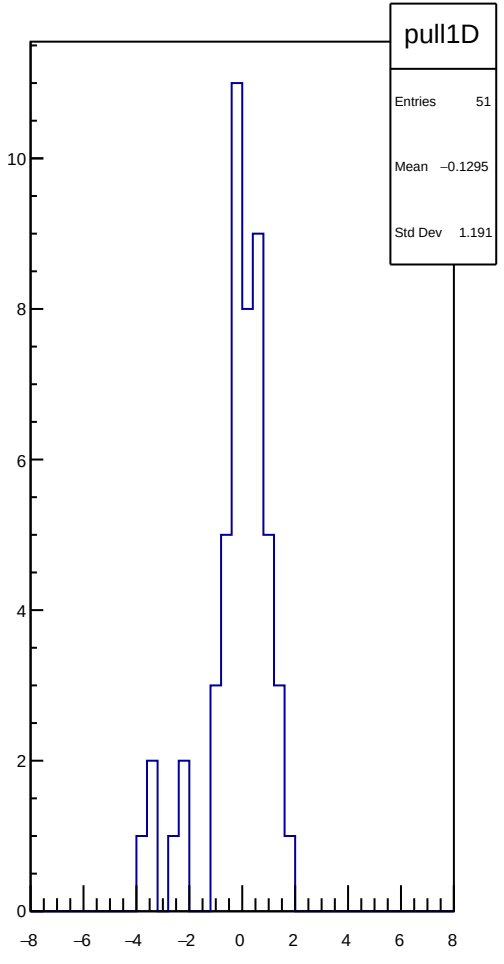

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.09 / 50
p0 −268.8 ± 5.553
pull
Entries 51
Mean −43.41
Std Dev 64.79

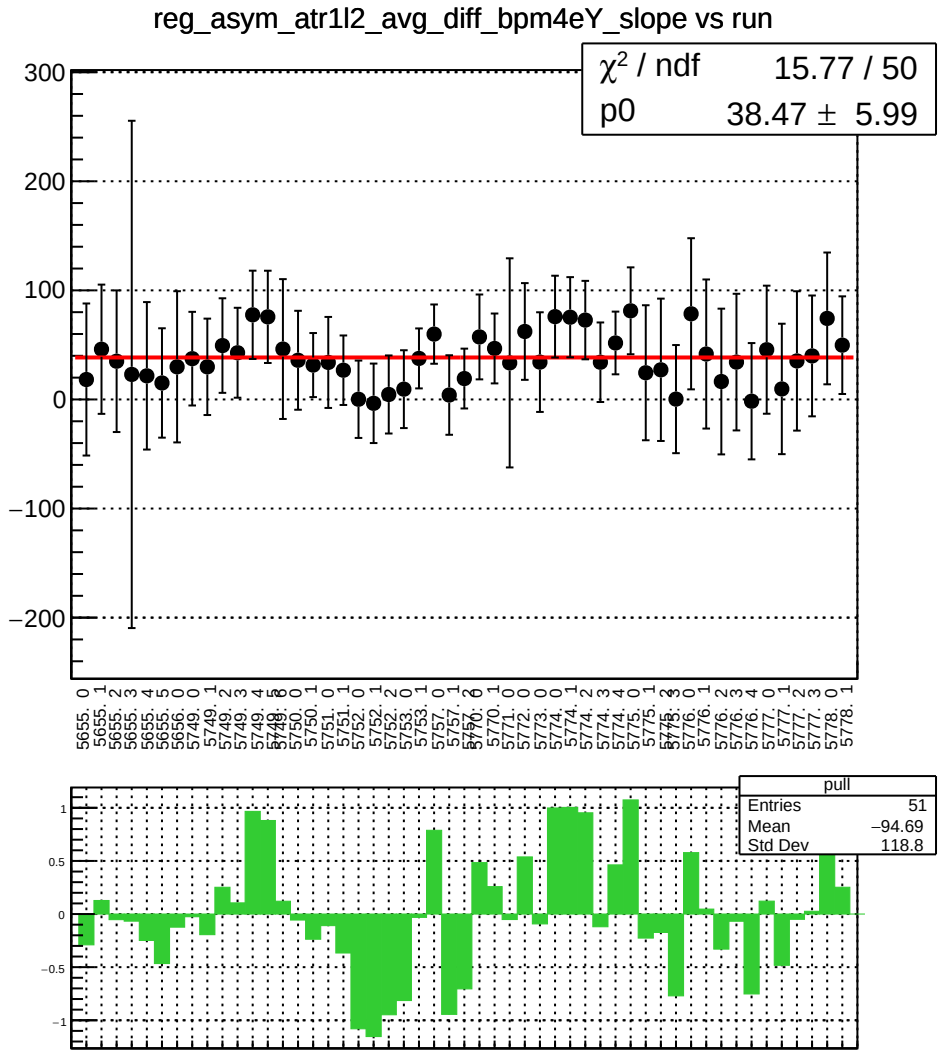

pull1D
Entries 51
Mean 0.1001
Std Dev 0.8353

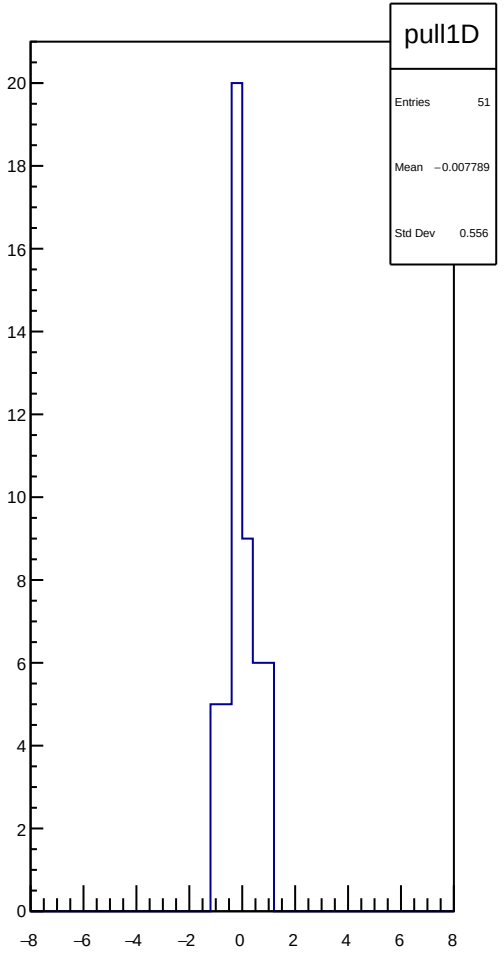

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.08 / 50
p0 5.519 ± 5.622
pull
Entries 51
Mean −287.8
Std Dev 313.2

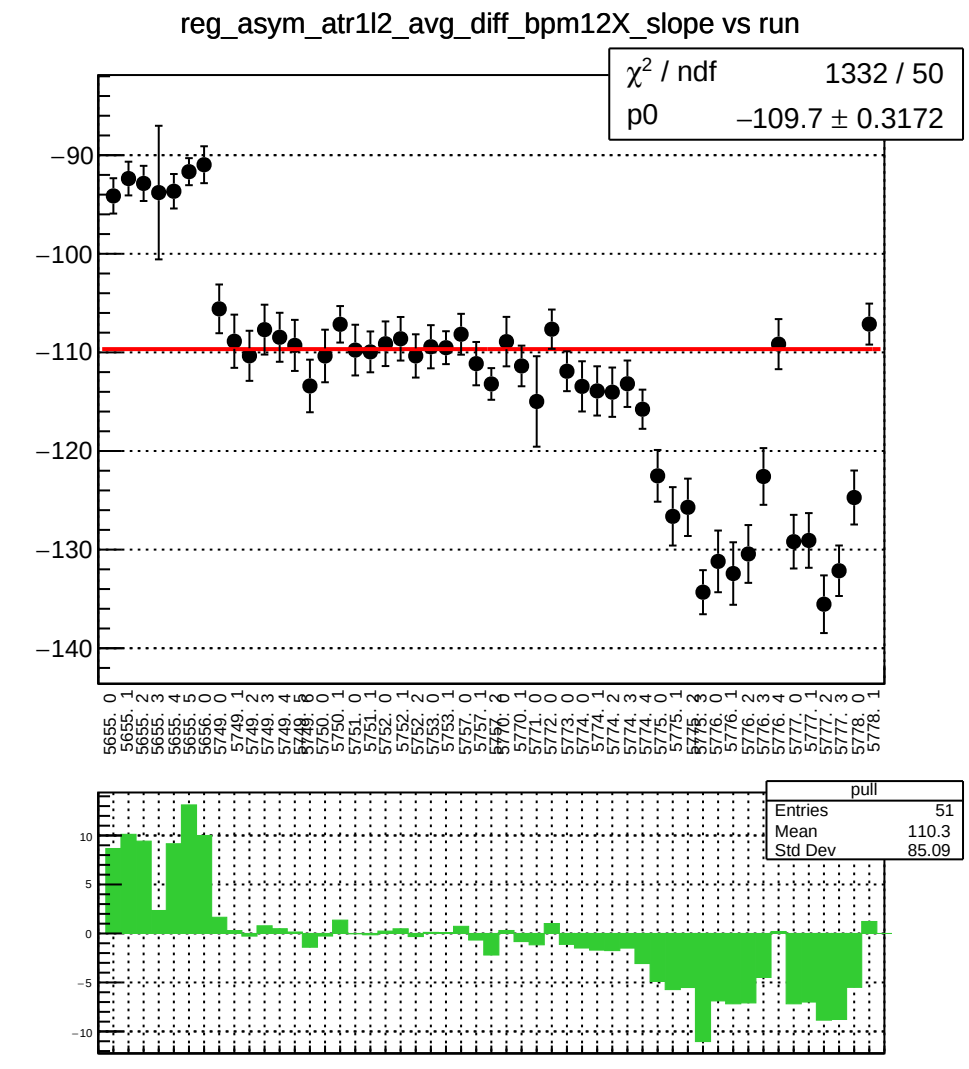

pull1D
Entries 51
Mean 0.004126
Std Dev 0.5955

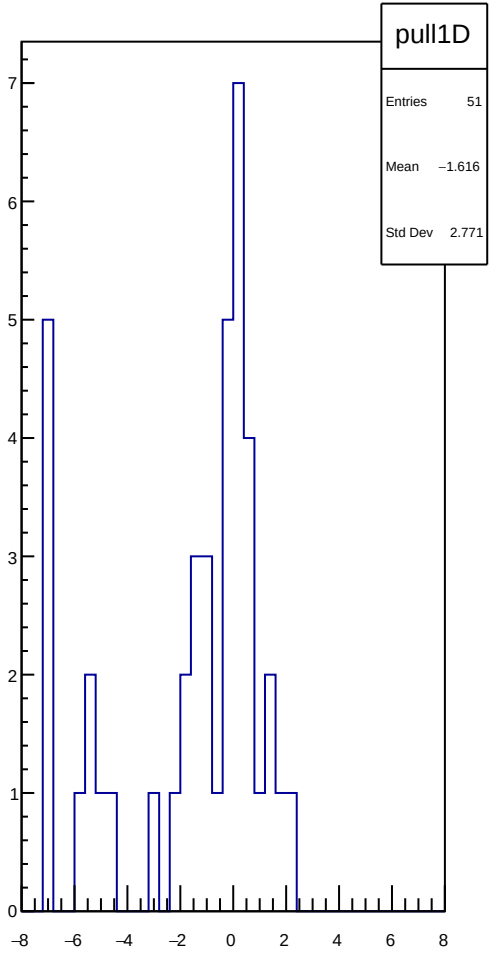

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.15 / 50
p0 320.6 ± 7.175
pull
Entries 51
Mean −57.44
Std Dev 77.74

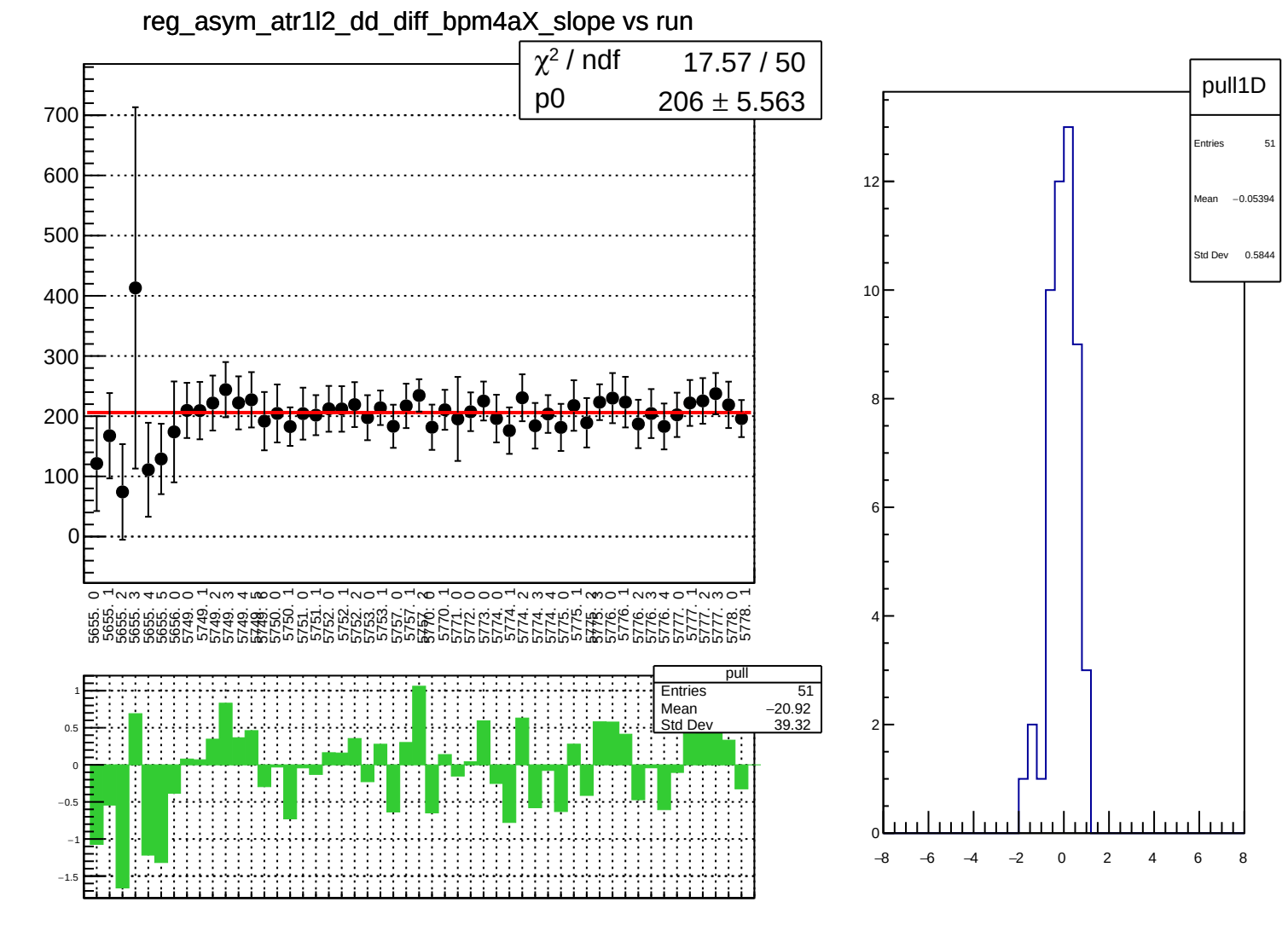

pull1D
Entries 51
Mean −0.1295
Std Dev 1.191

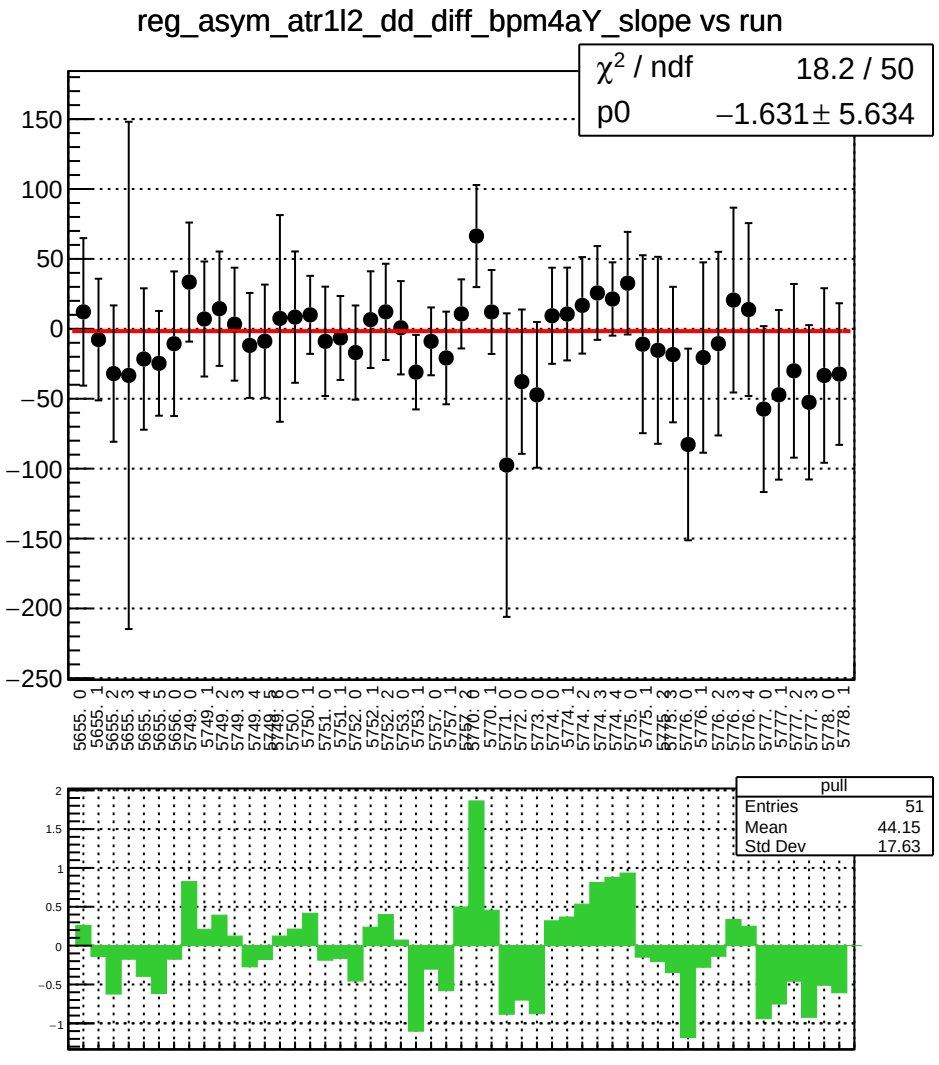

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 50
p0 38.47 ± 5.99
pull
Entries 51
Mean −94.69
Std Dev 118.8

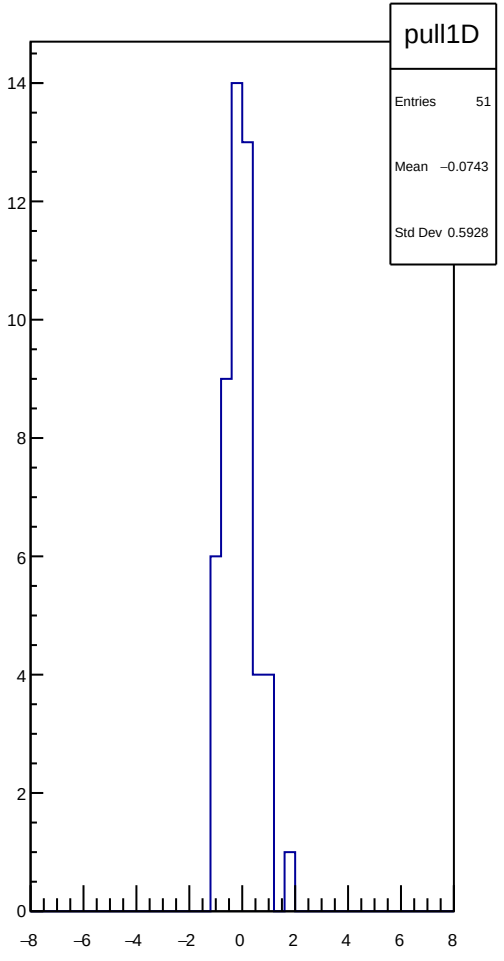

pull1D
Entries 51
Mean −0.007789
Std Dev 0.556

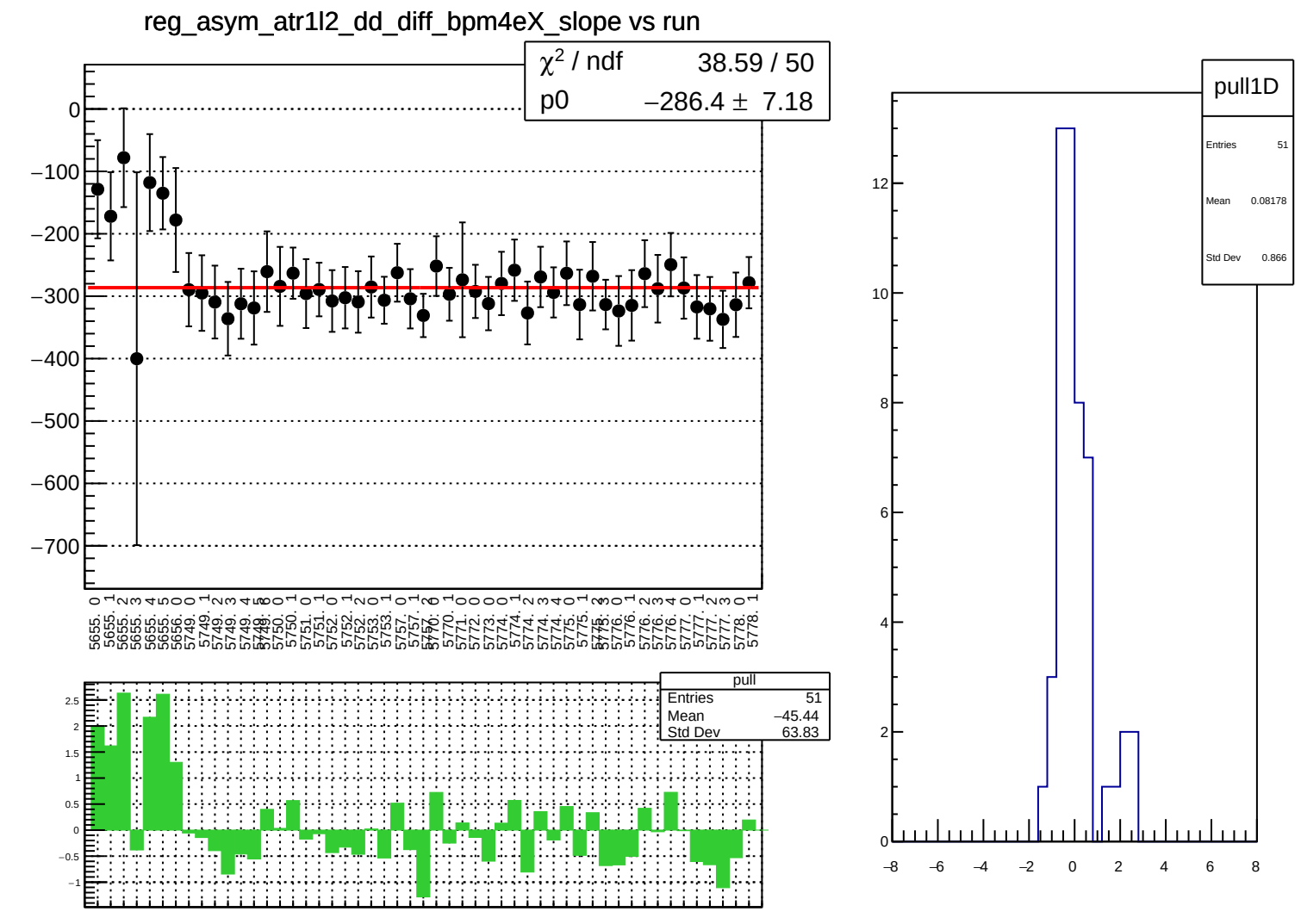

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1332 / 50
p0 −109.7 ± 0.3172
pull
Entries 51
Mean 110.3
Std Dev 85.09

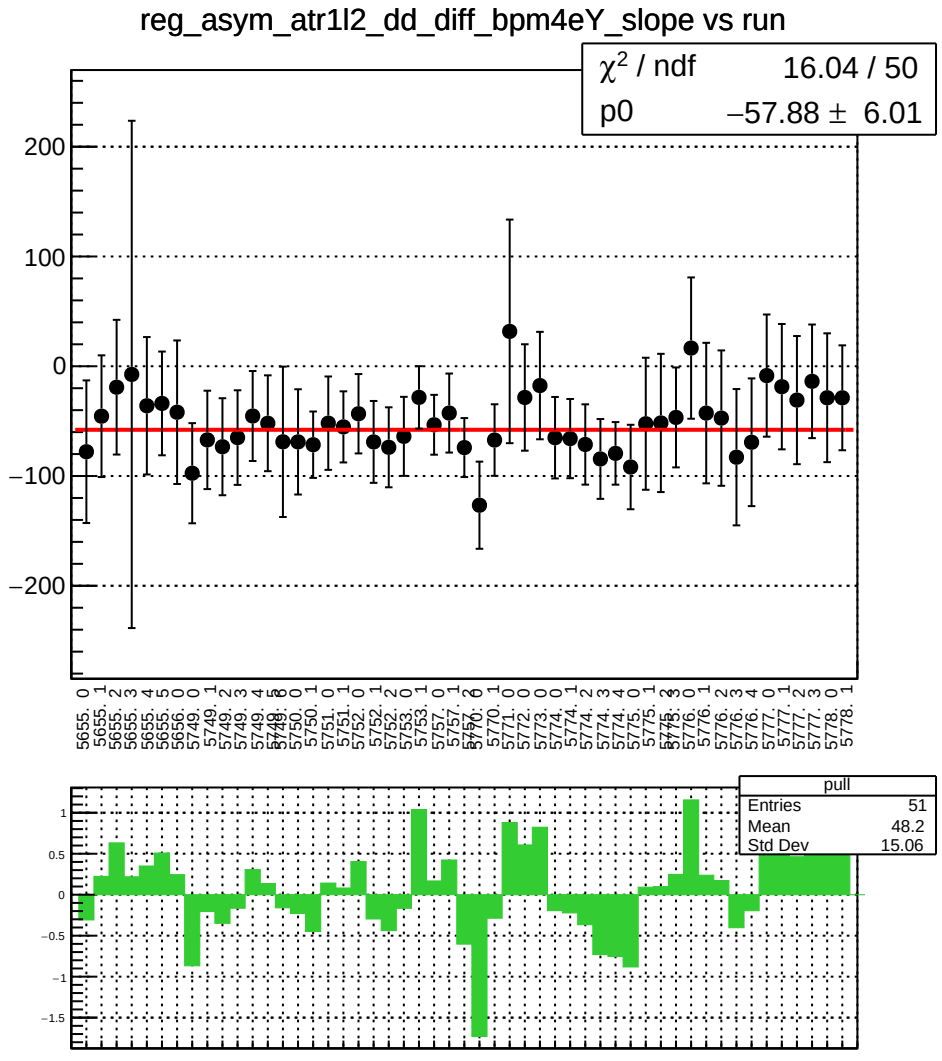

pull1D
Entries 51
Mean −1.616
Std Dev 2.771

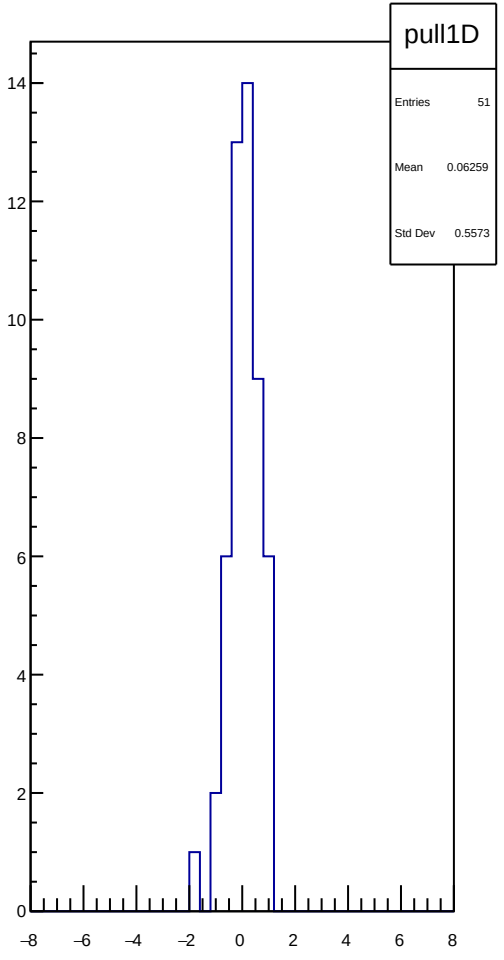

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.57 / 50
p0 206 ± 5.563
pull
Entries 51
Mean −20.92
Std Dev 39.32
pull1D
Entries 51
Mean −0.05394
Std Dev 0.5844

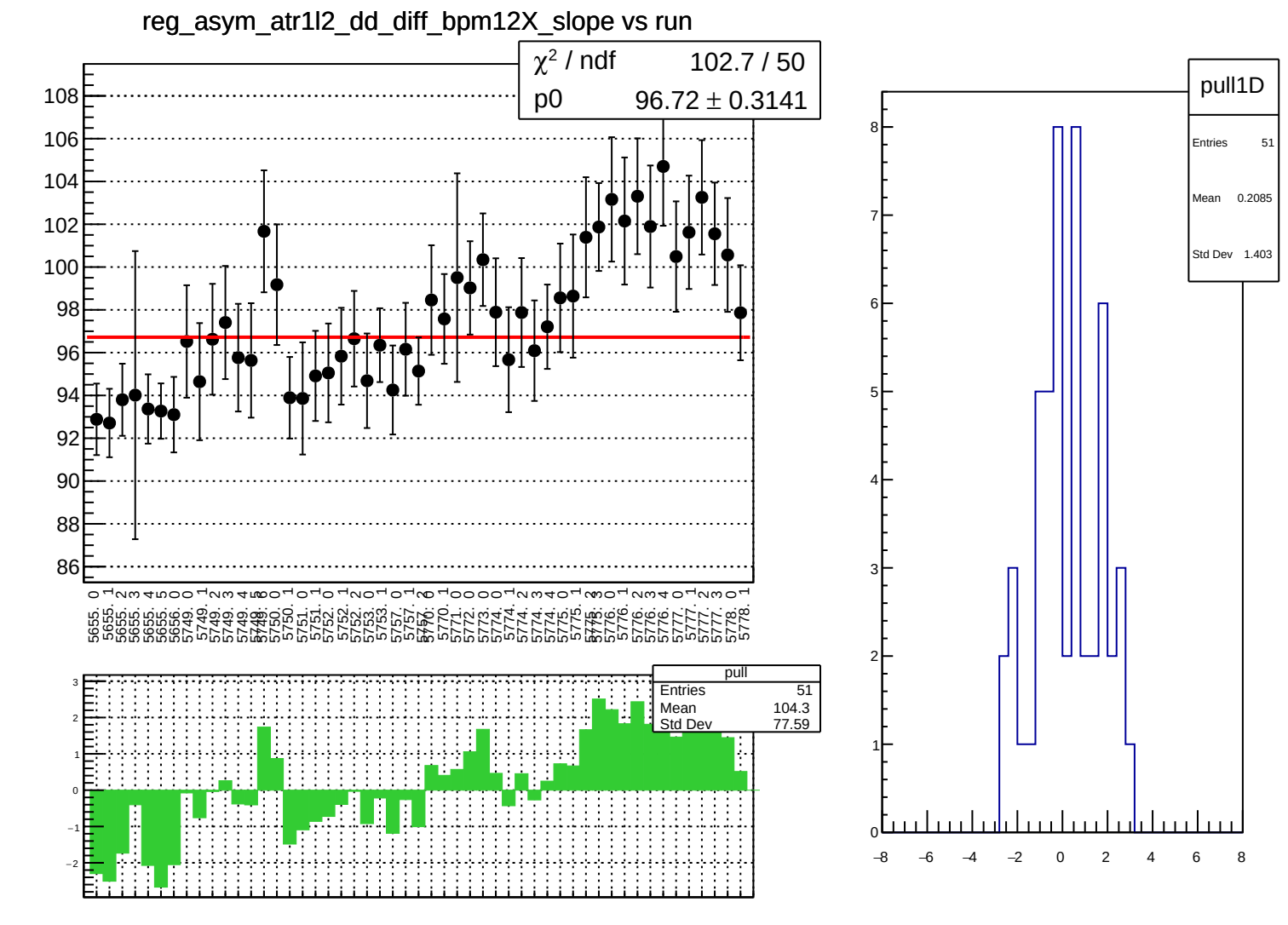

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.2 / 50
p0 −1.631 ± 5.634
pull
Entries 51
Mean 44.15
Std Dev 17.63

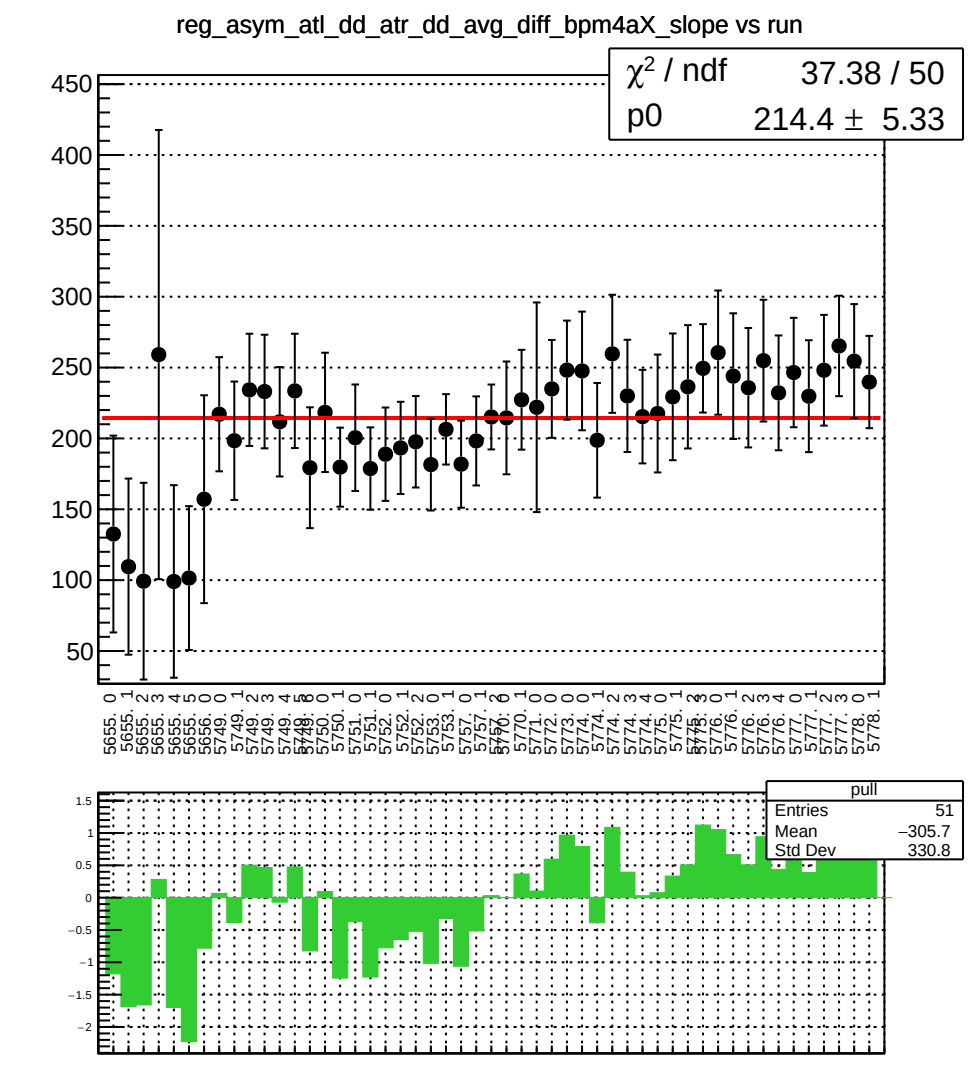

pull1D
Entries 51
Mean −0.0743
Std Dev 0.5928

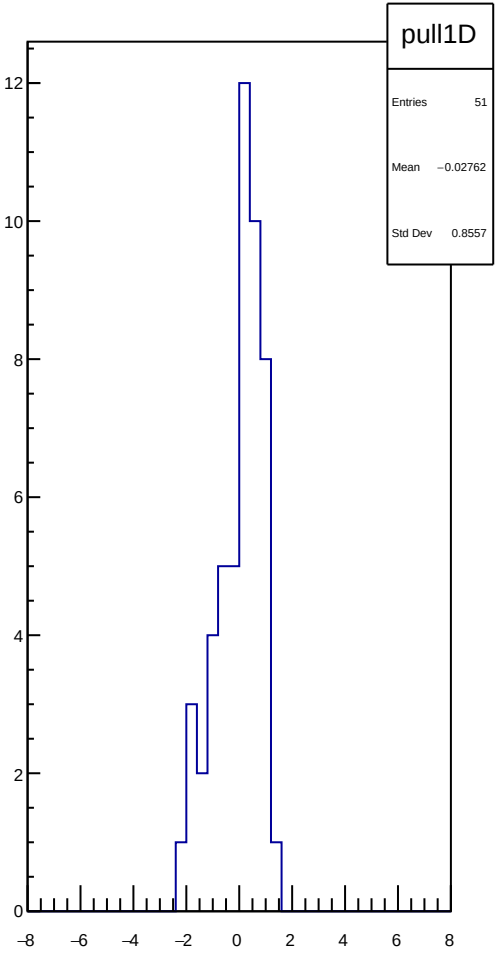

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.59 / 50
p0 −286.4 ± 7.18
pull
Entries 51
Mean −45.44
Std Dev 63.83
pull1D
Entries 51
Mean 0.08178
Std Dev 0.866

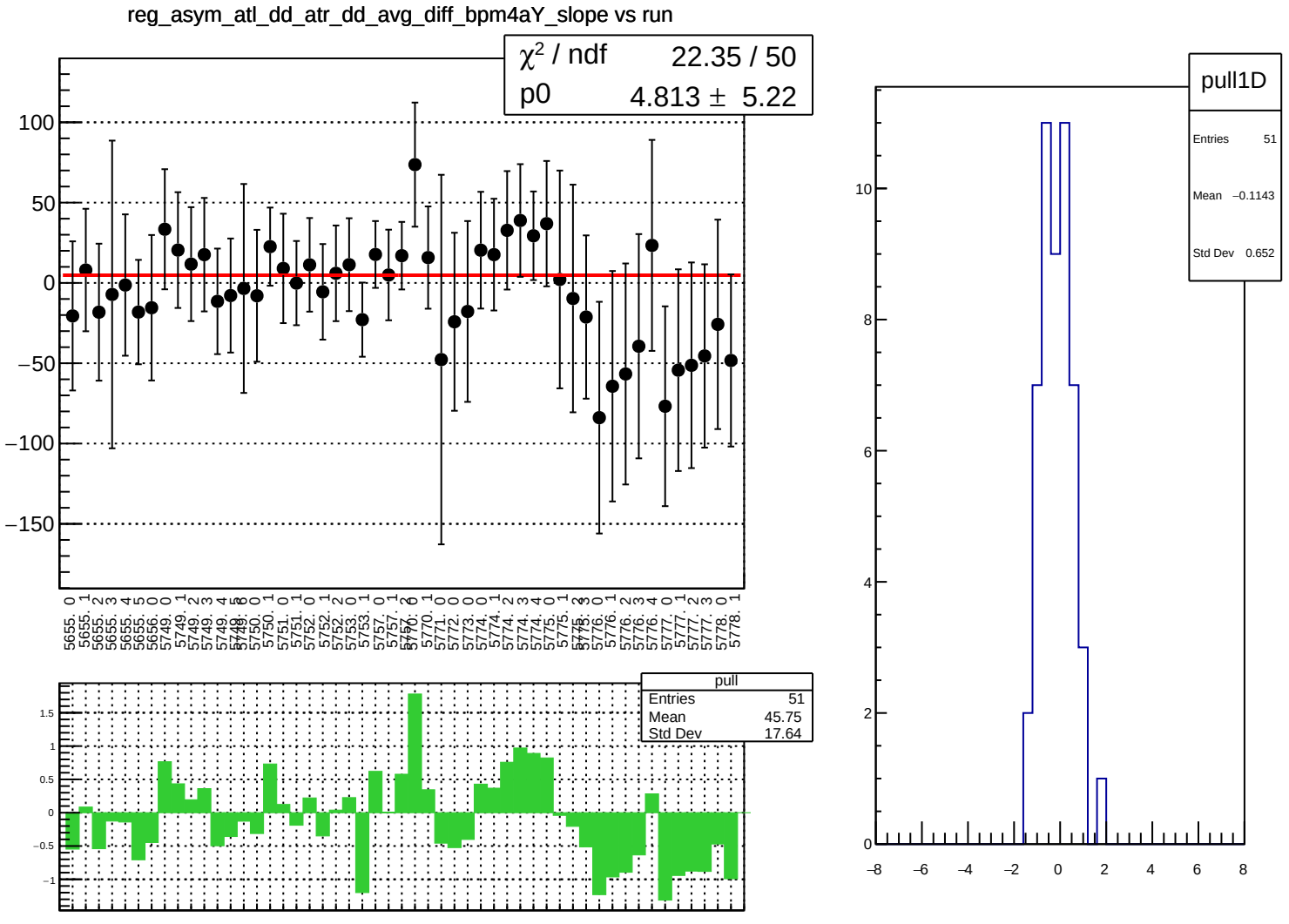

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 50
p0 −57.88 ± 6.01
200
100
0
−100
−200
pull
Entries 51
Mean 48.2
Std Dev 15.06
1
0.5
0
−0.5
−1
−1.5

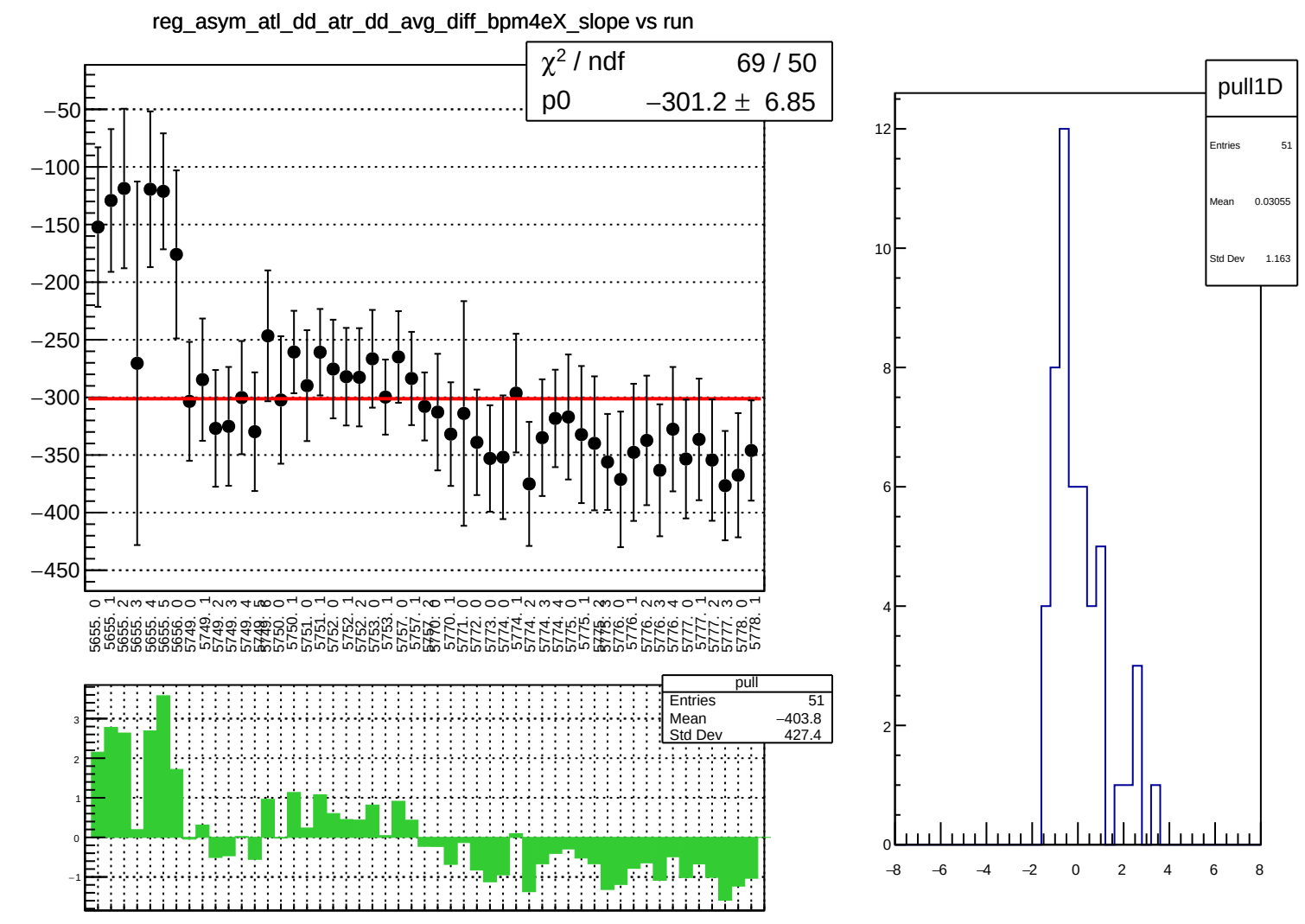

pull1D
Entries 51
Mean 0.06259
Std Dev 0.5573
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

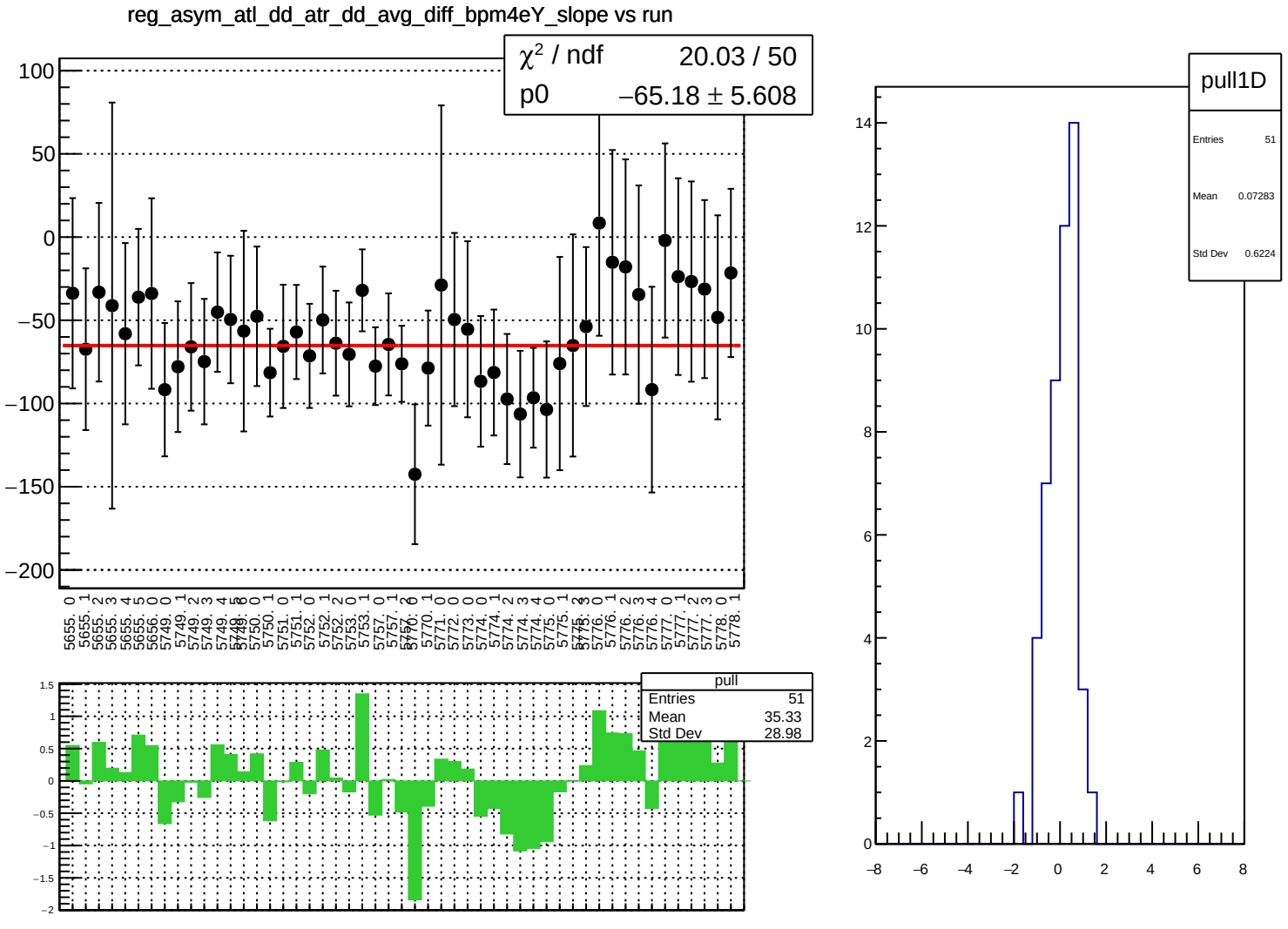

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 102.7 / 50
p0 96.72 ± 0.3141
pull
Entries 51
Mean 104.3
Std Dev 77.59
pull1D
Entries 51
Mean 0.2085
Std Dev 1.403

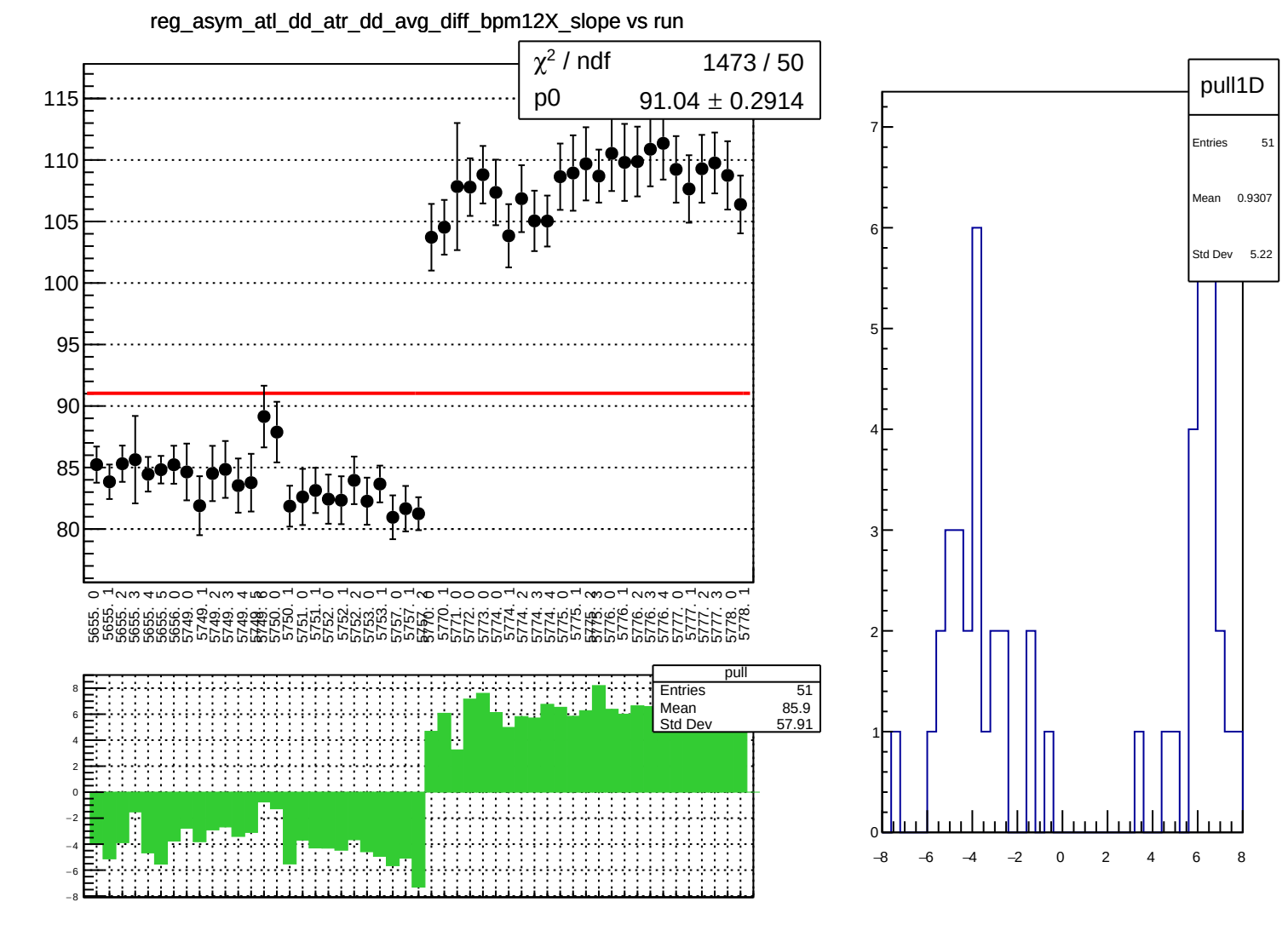

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.38 / 50
p0 214.4 ± 5.33
pull
Entries 51
Mean −305.7
Std Dev 330.8

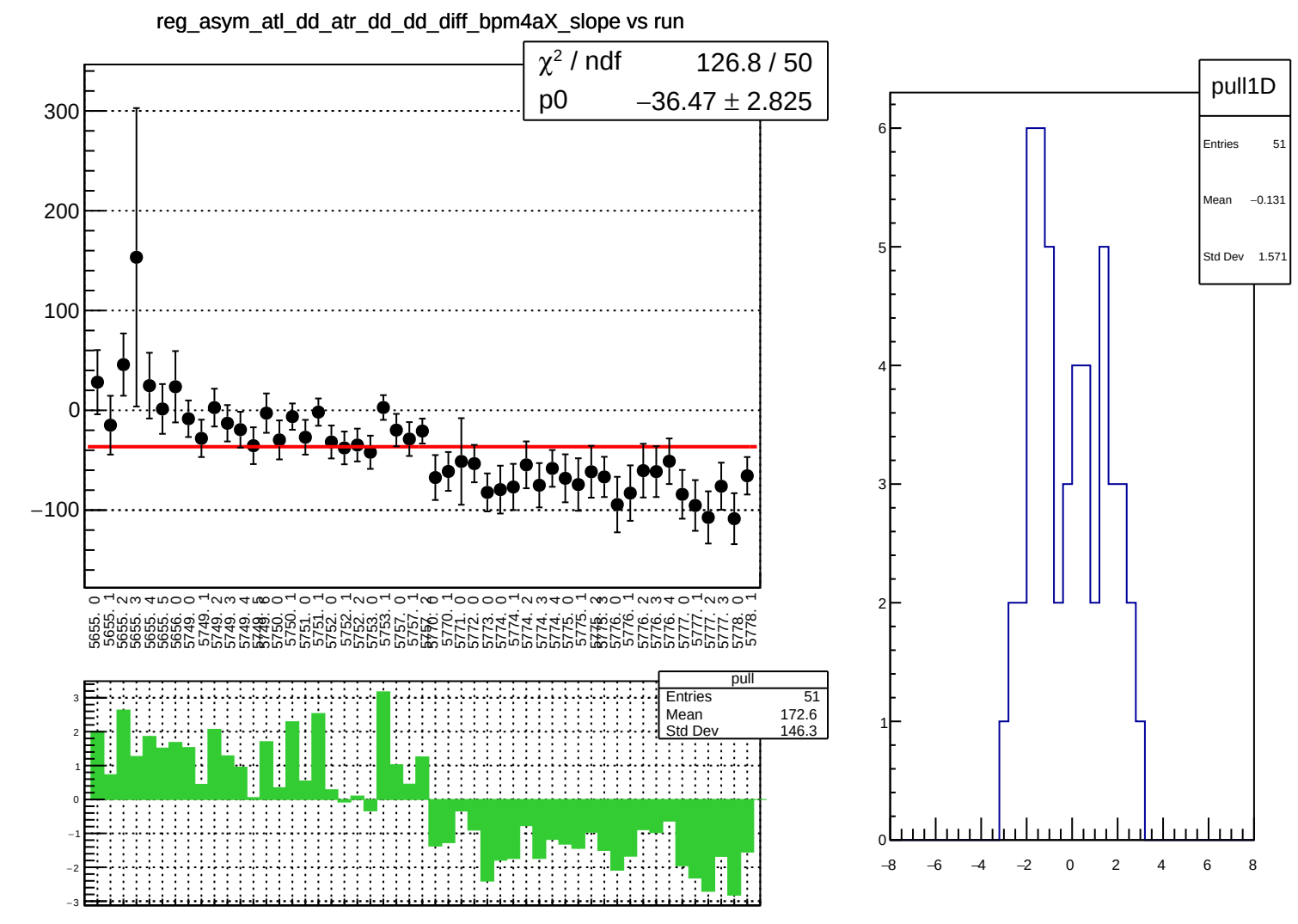

pull1D
Entries 51
Mean −0.02762
Std Dev 0.8557

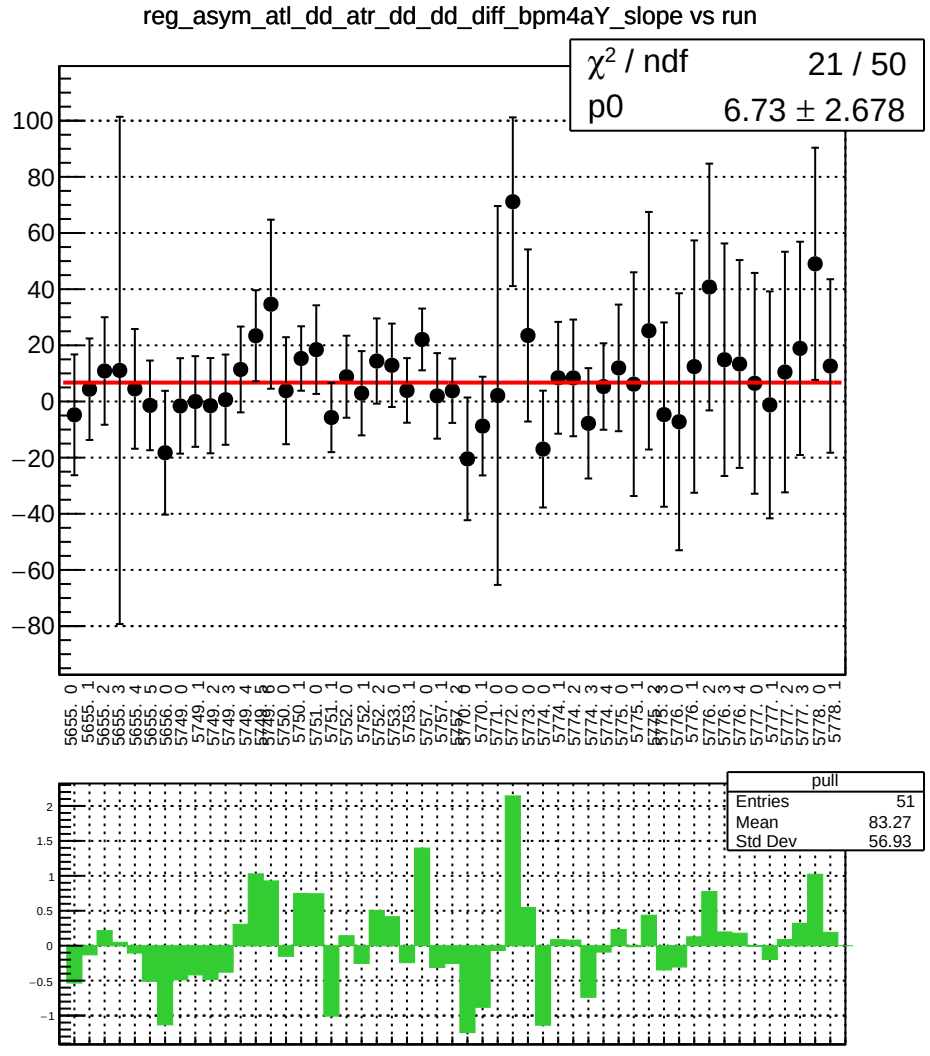

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.35 / 50
p0 4.813 ± 5.22
pull
Entries 51
Mean 45.75
Std Dev 17.64
pull1D
Entries 51
Mean −0.1143
Std Dev 0.652

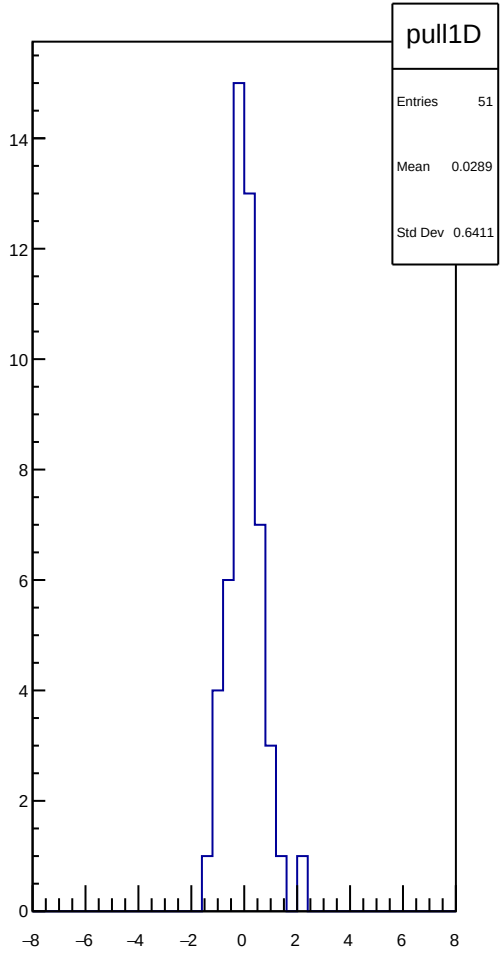

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 69 / 50
p0 −301.2 ± 6.85
pull
Entries 51
Mean −403.8
Std Dev 427.4
pull1D
Entries 51
Mean 0.03055
Std Dev 1.163

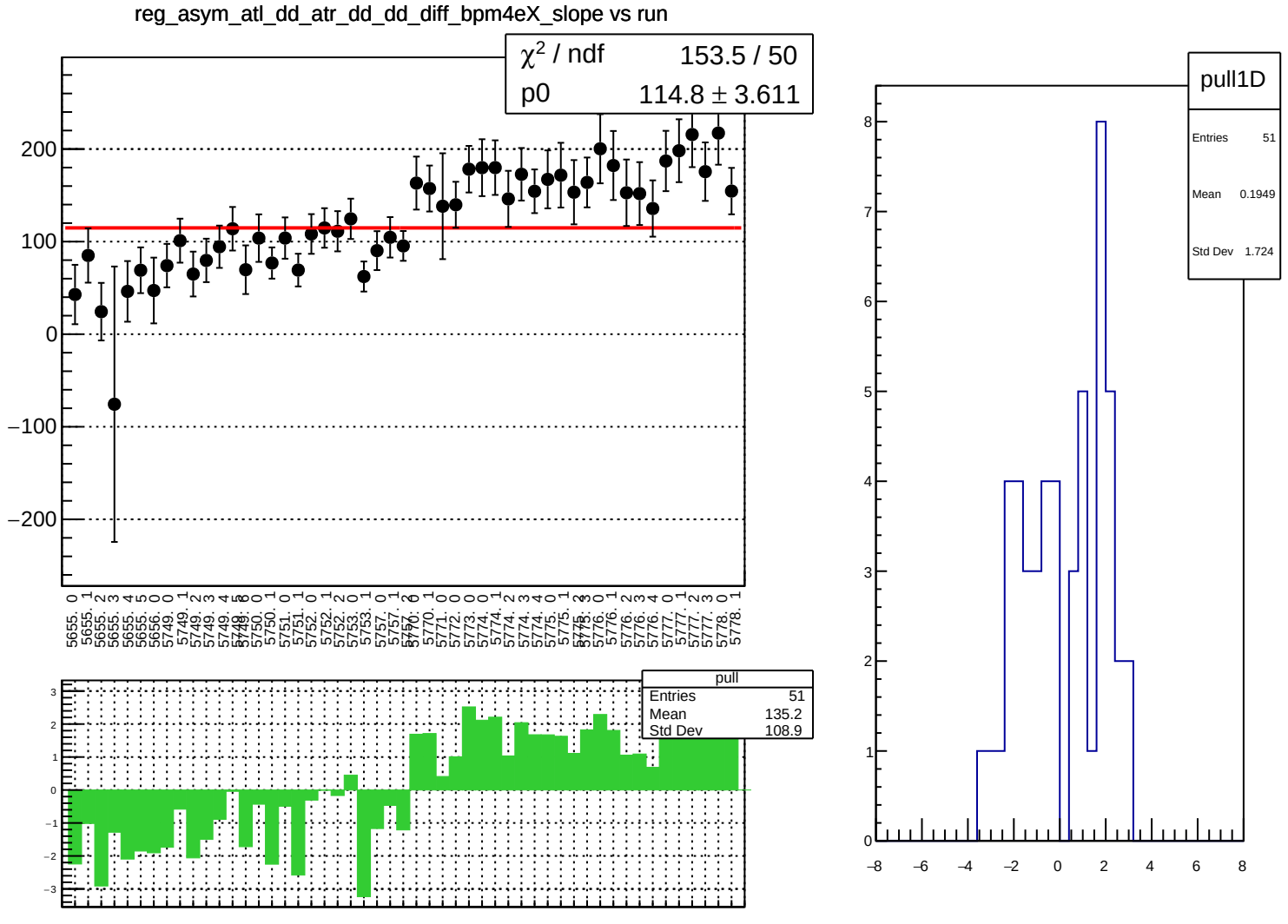

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.03 / 50
p0 −65.18 ± 5.608
pull
Entries 51
Mean 35.33
Std Dev 28.98
pull1D
Entries 51
Mean 0.07283
Std Dev 0.6224

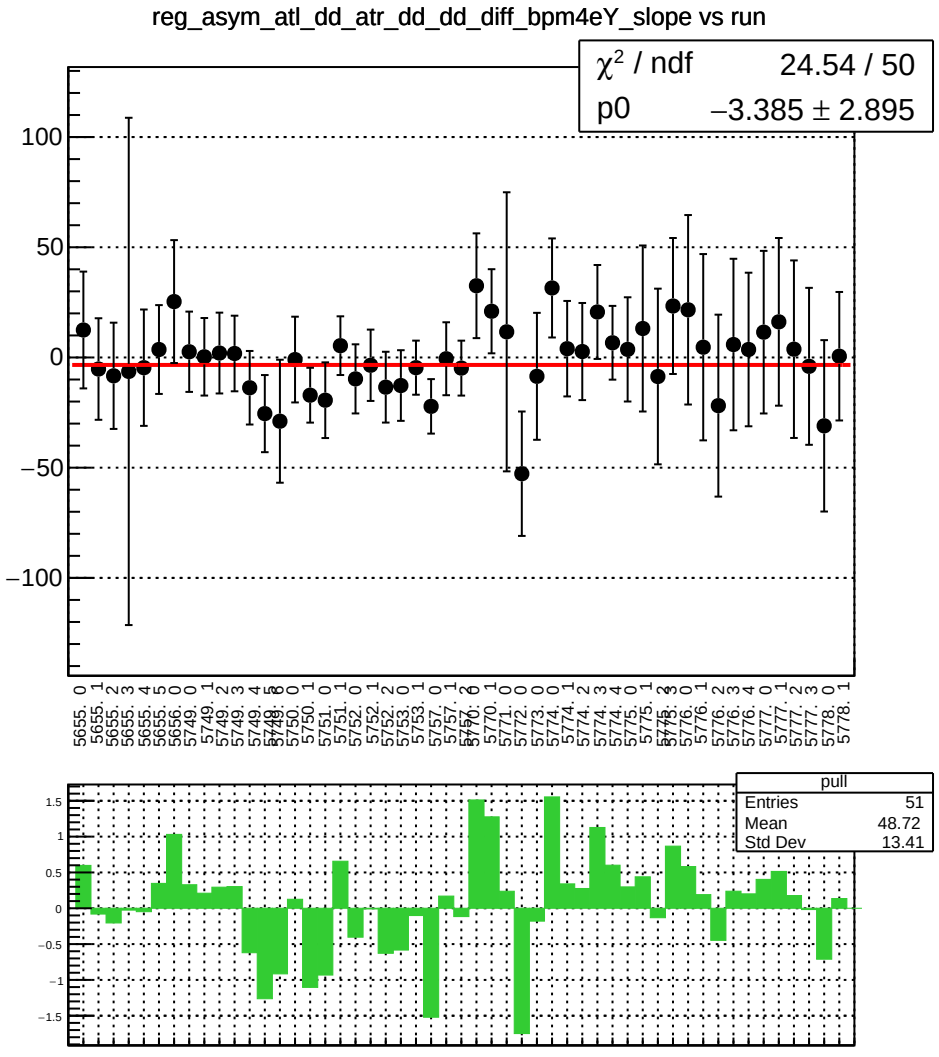

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 1473 / 50
p0 91.04 ± 0.2914
pull
Entries 51
Mean 85.9
Std Dev 57.91
pull1D
Entries 51
Mean 0.9307
Std Dev 5.22

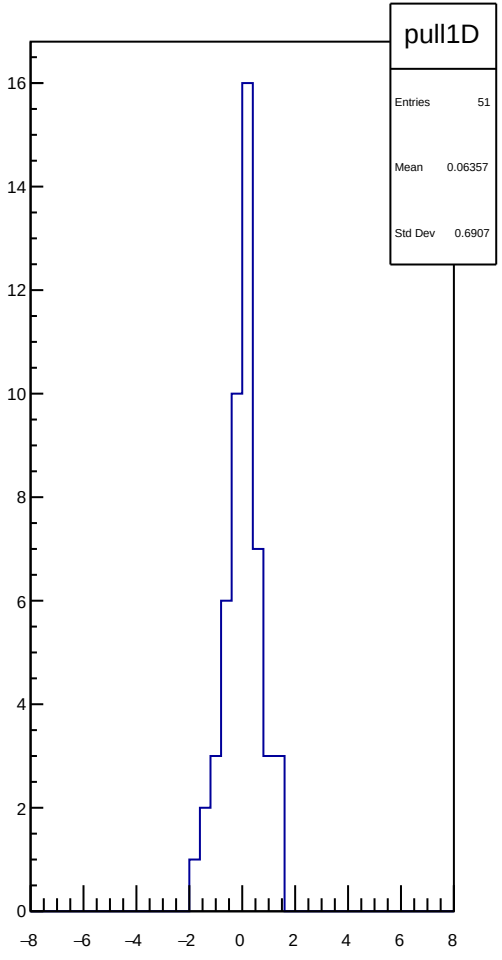

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 126.8 / 50
p0 −36.47 ± 2.825
300
200
100
0
−100
pull
Entries 51
Mean 172.6
Std Dev 146.3
pull1D
Entries 51
Mean −0.131
Std Dev 1.571

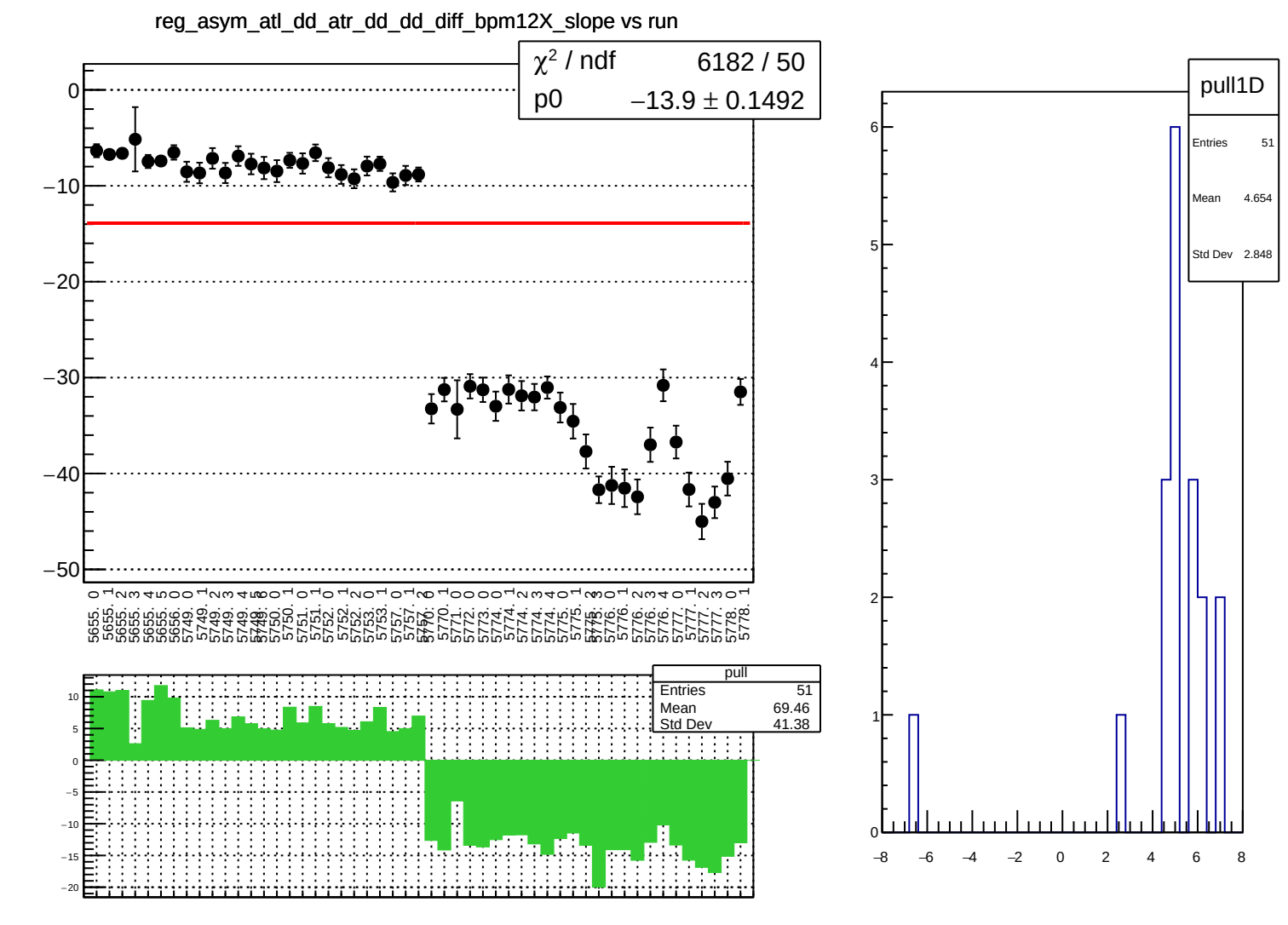

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 21 / 50
p0 6.73 ± 2.678
pull
Entries 51
Mean 83.27
Std Dev 56.93

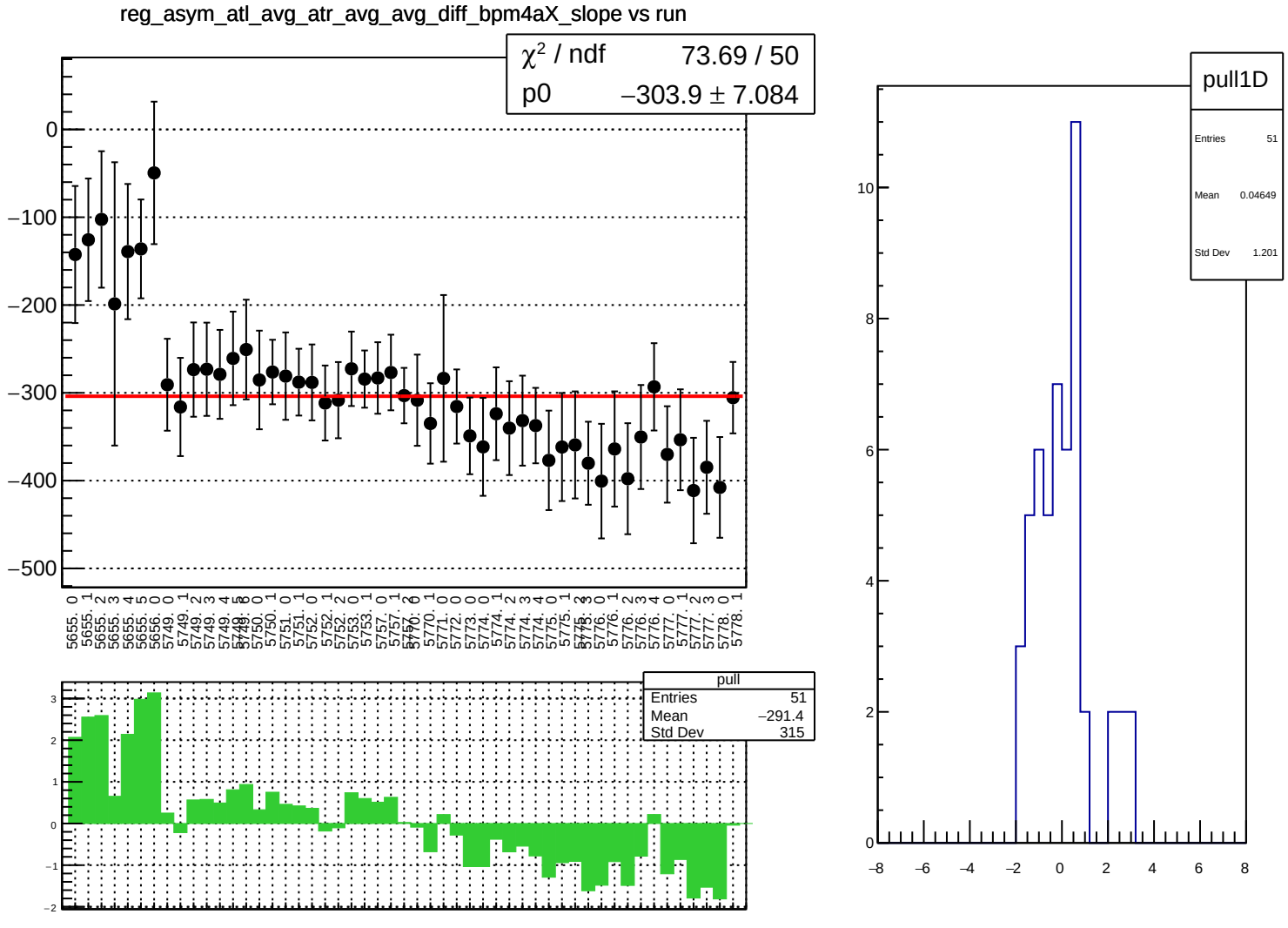

pull1D
Entries 51
Mean 0.0289
Std Dev 0.6411

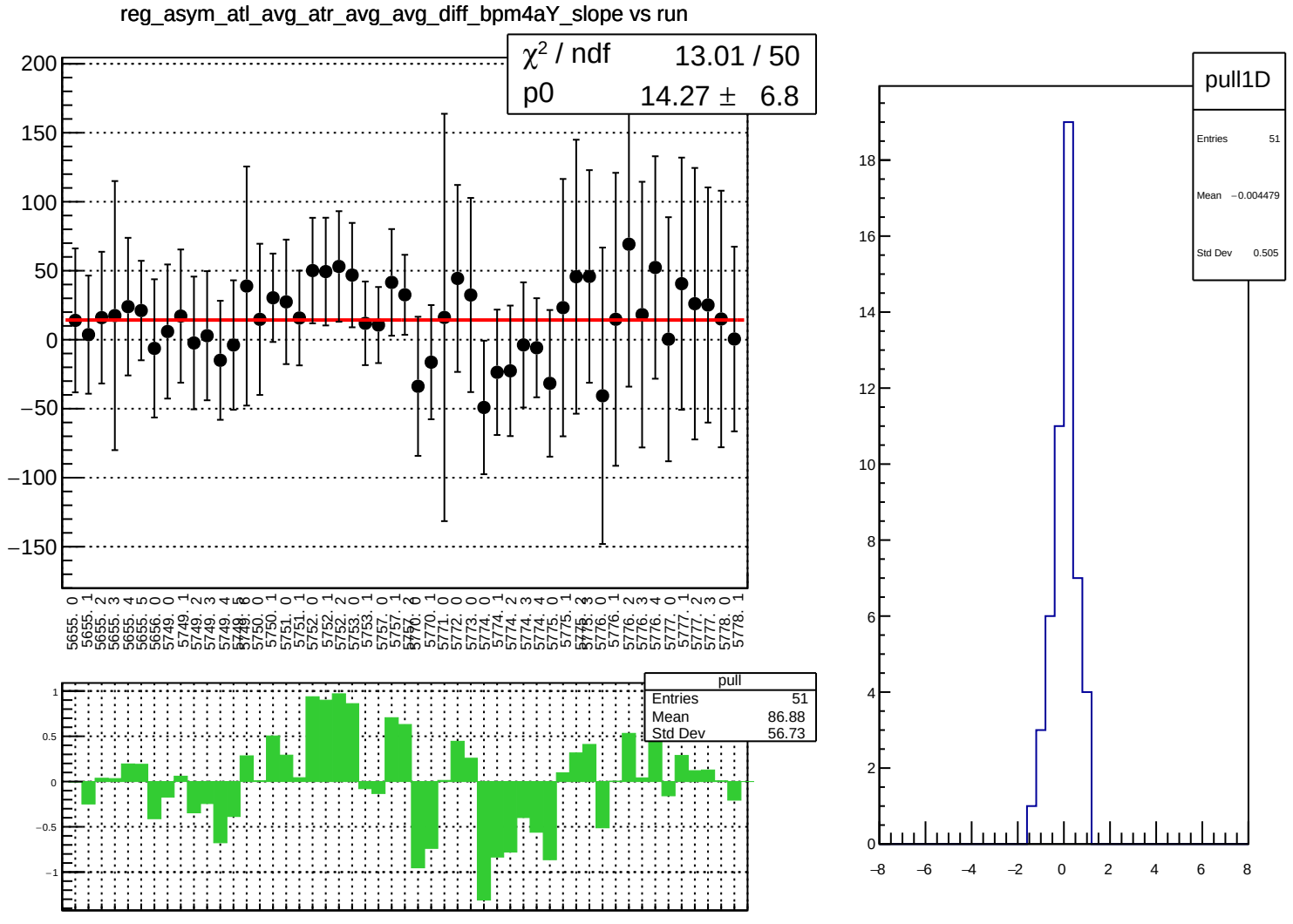

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.5 / 50
p0 114.8 ± 3.611
pull
Entries 51
Mean 135.2
Std Dev 108.9
pull1D
Entries 51
Mean 0.1949
Std Dev 1.724

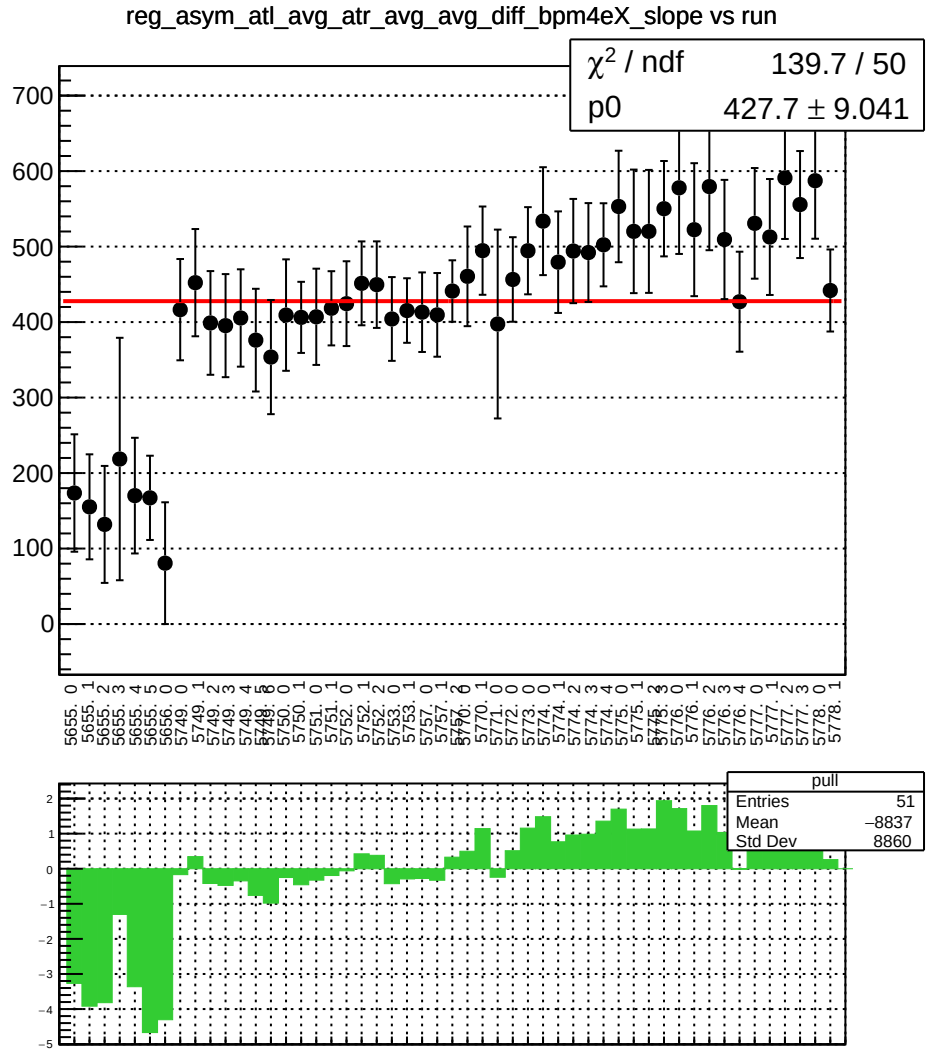

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.54 / 50
p0 −3.385 ± 2.895
pull
Entries 51
Mean 48.72
Std Dev 13.41

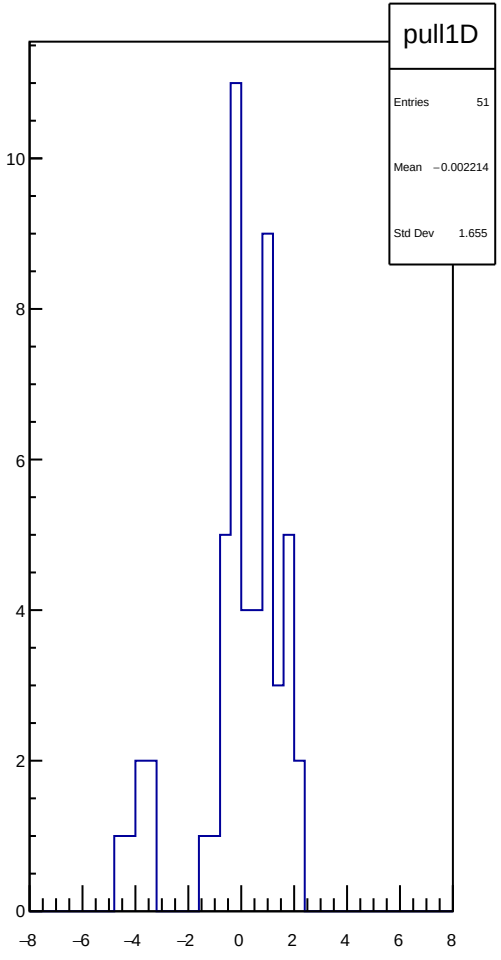

pull1D
Entries 51
Mean 0.06357
Std Dev 0.6907

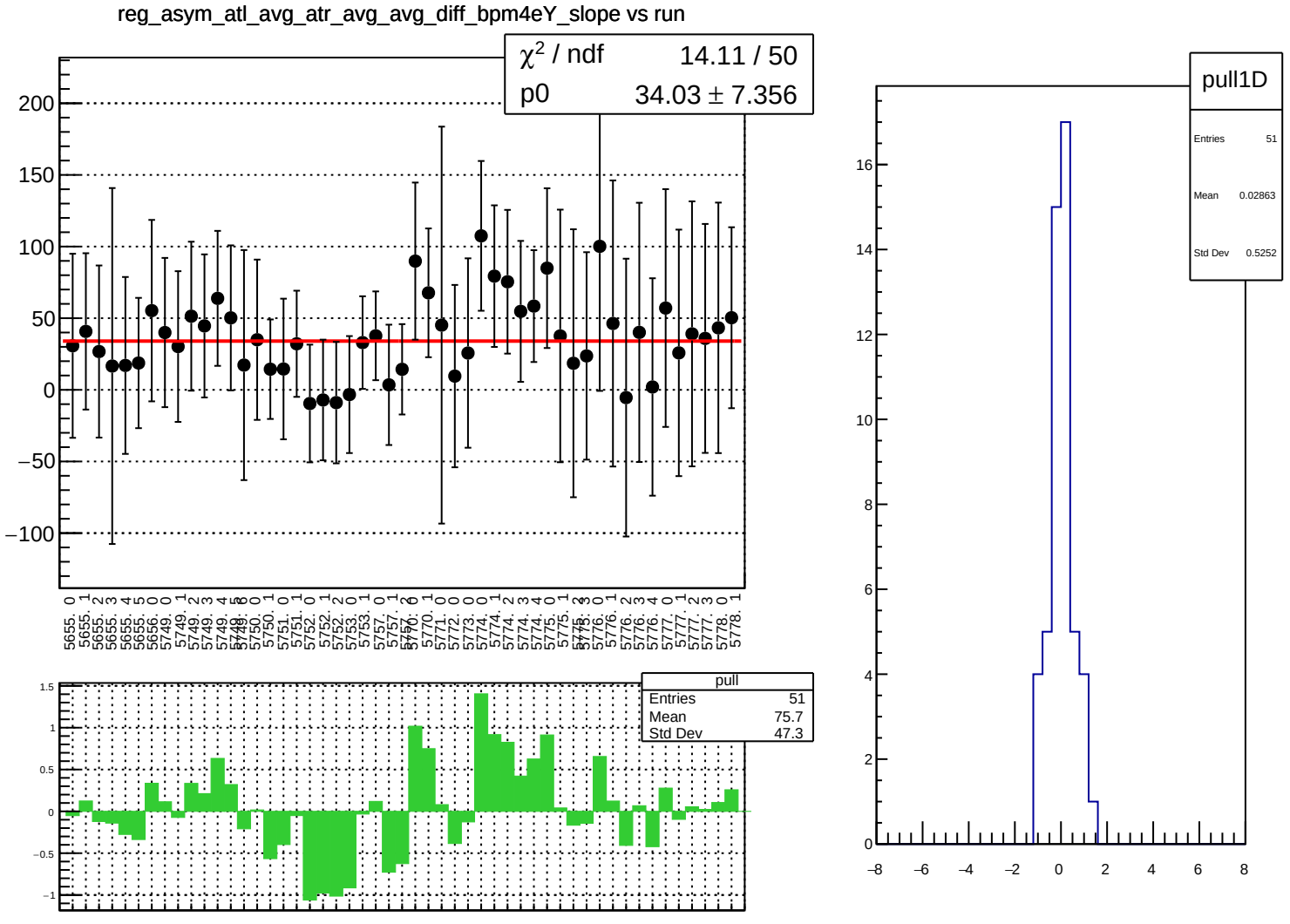

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 6182 / 50
p0 −13.9 ± 0.1492
pull
Entries 51
Mean 69.46
Std Dev 41.38
pull1D
Entries 51
Mean 4.654
Std Dev 2.848

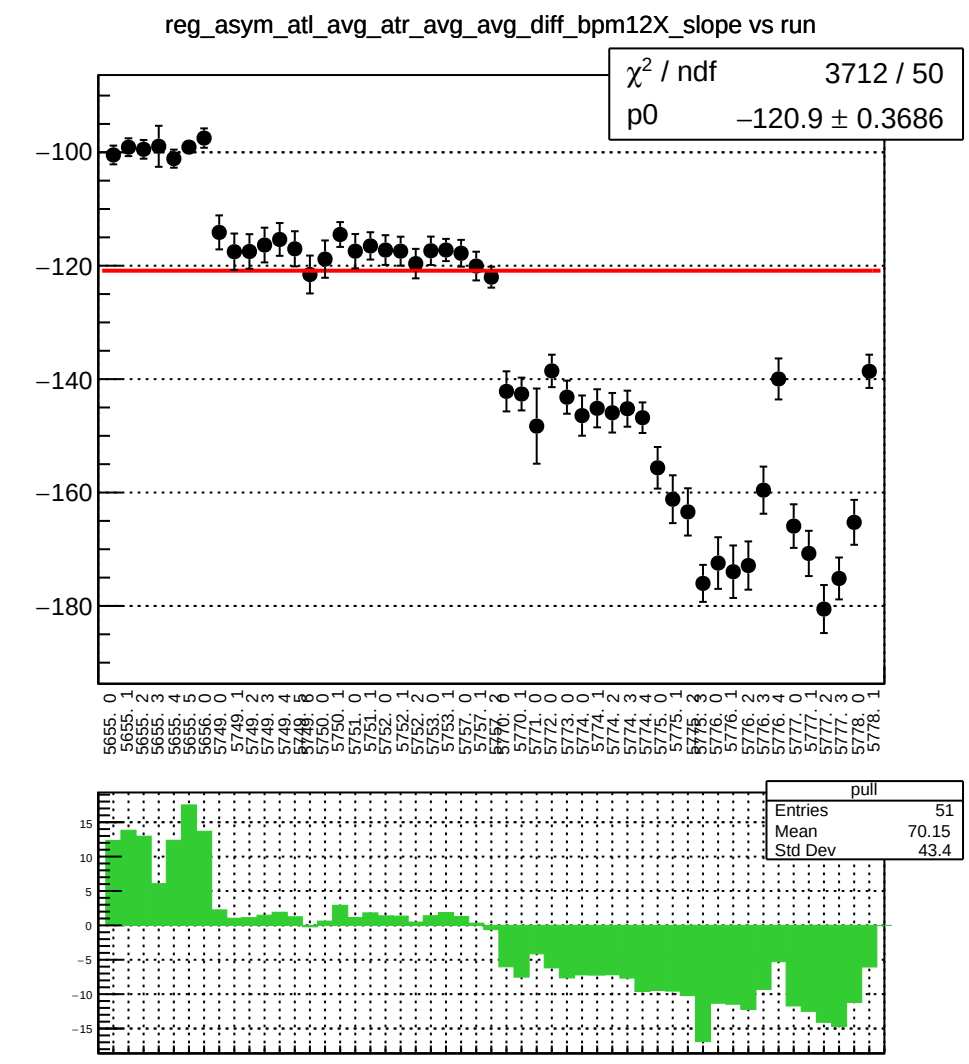

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 73.69 / 50
p0 −303.9 ± 7.084
pull
Entries 51
Mean −291.4
Std Dev 315
pull1D
Entries 51
Mean 0.04649
Std Dev 1.201

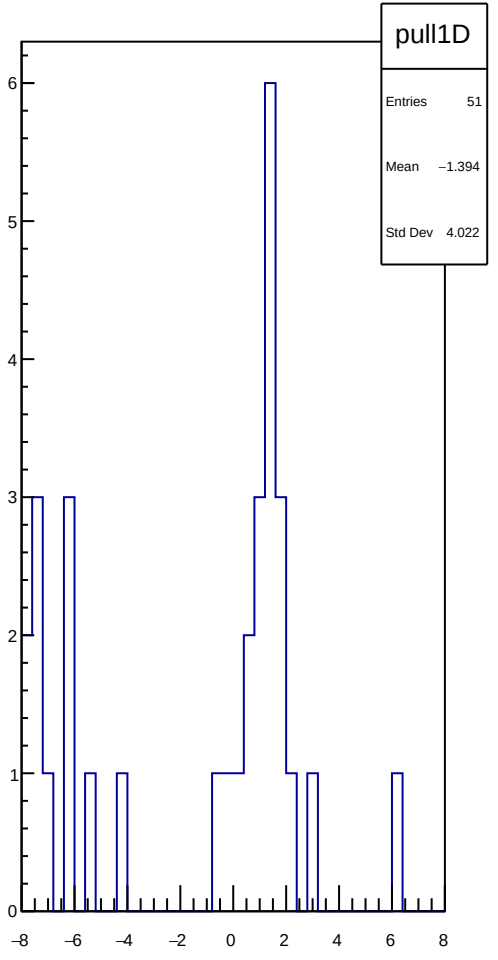

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.01 / 50
p0 14.27 ± 6.8
pull
Entries 51
Mean 86.88
Std Dev 56.73
pull1D
Entries 51
Mean −0.004479
Std Dev 0.505

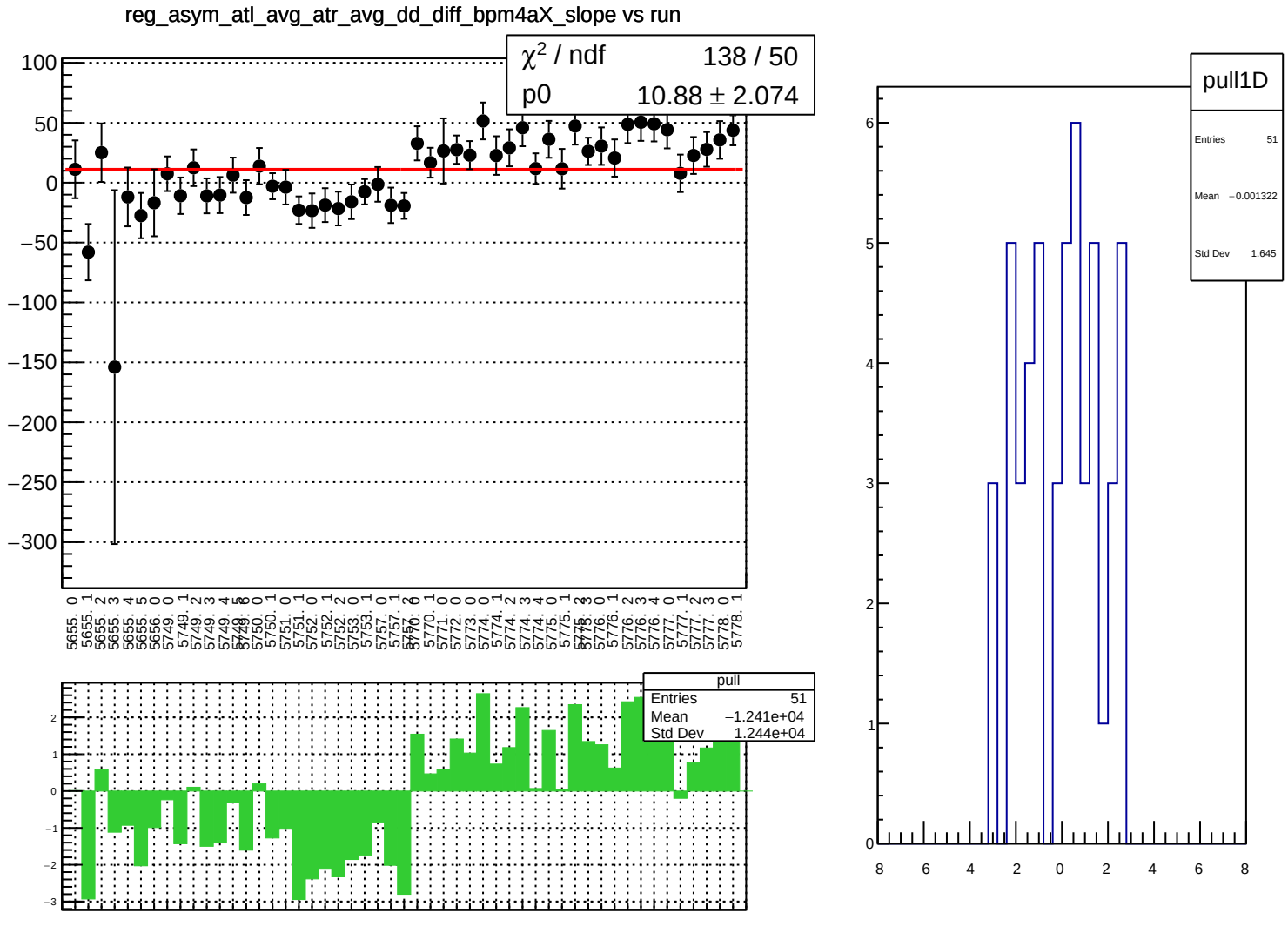

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 139.7 / 50
p0 427.7 ± 9.041
pull
Entries 51
Mean −8837
Std Dev 8860

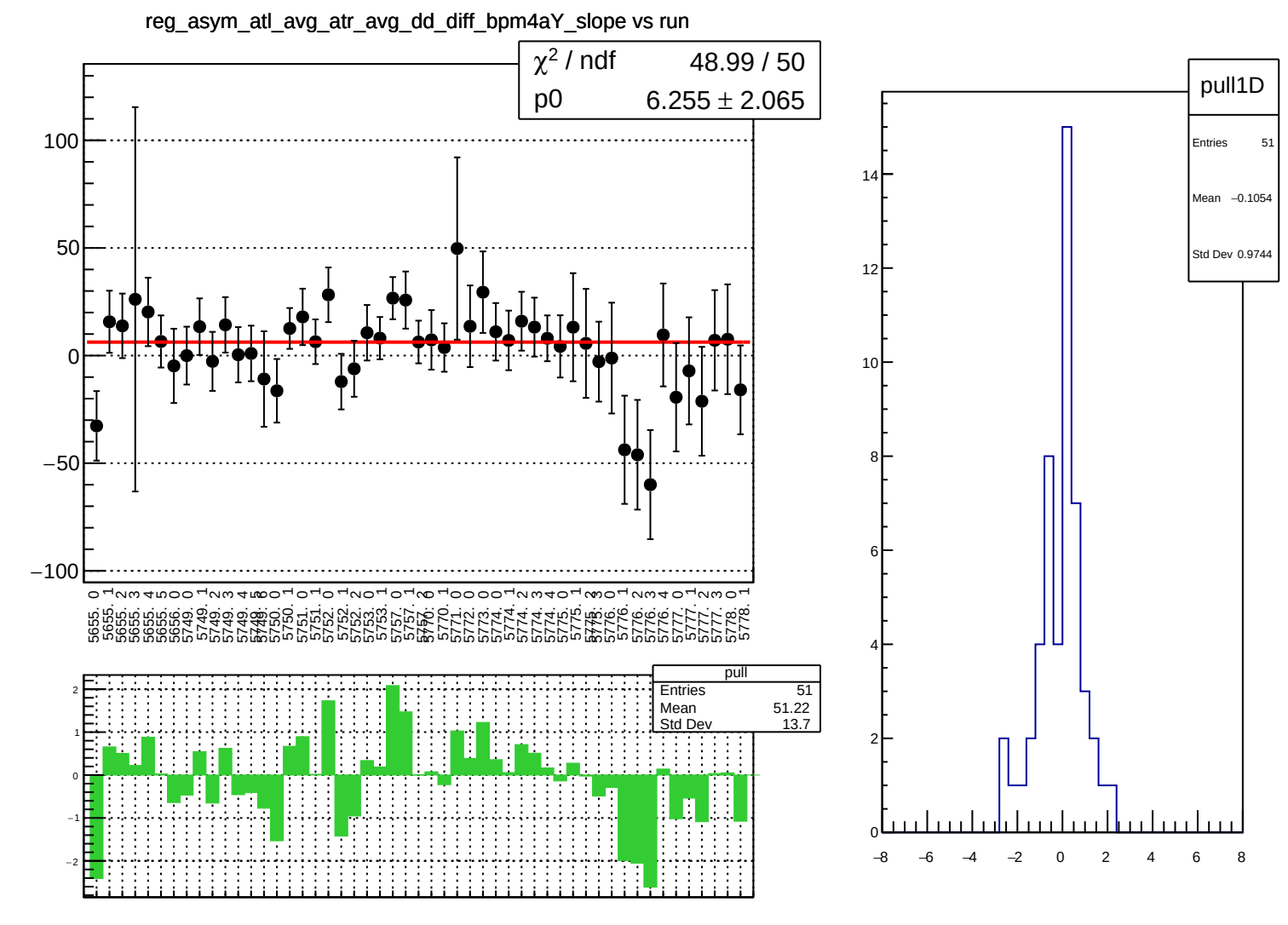

pull1D
Entries 51
Mean −0.002214
Std Dev 1.655

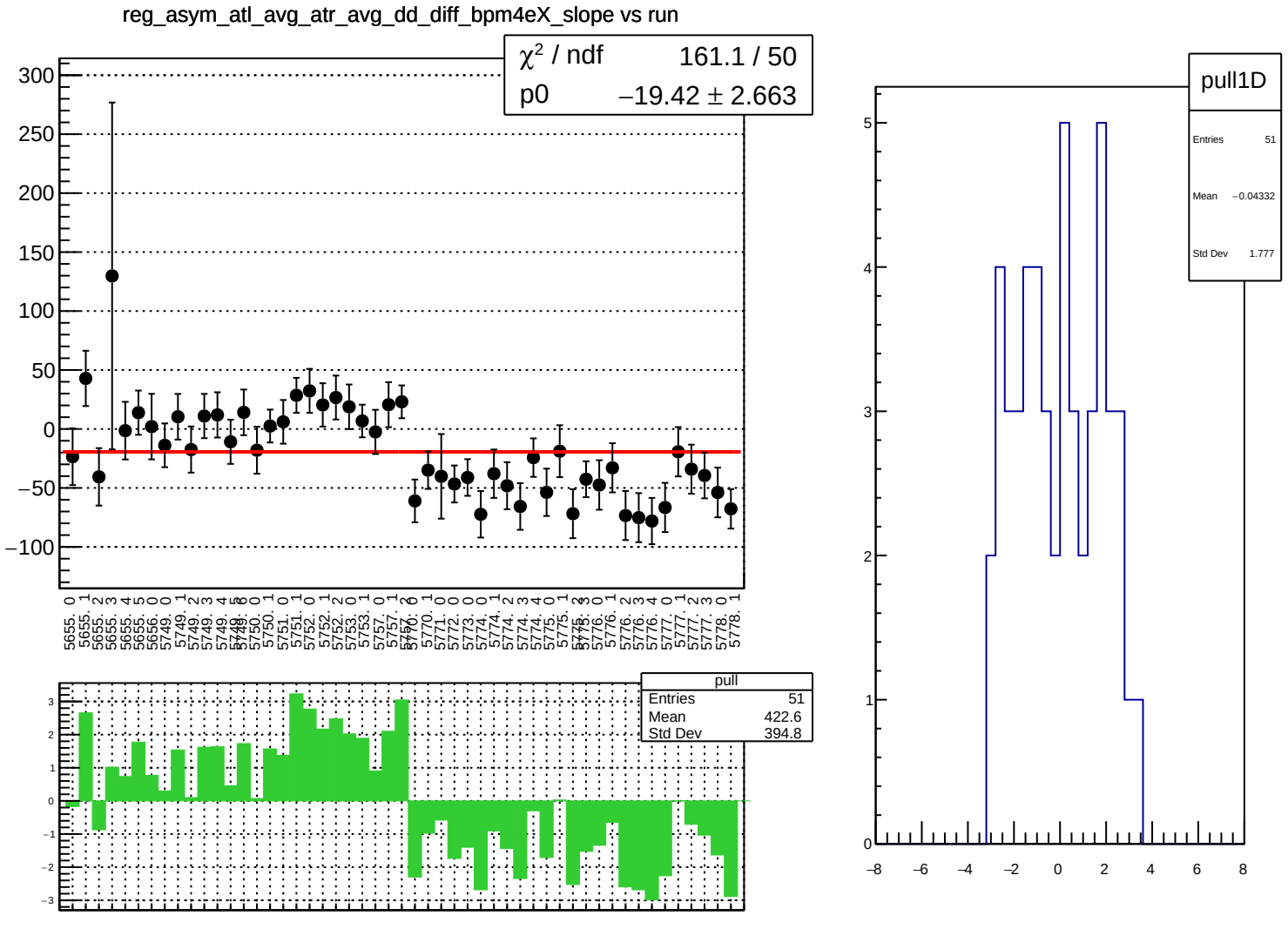

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.11 / 50
p0 34.03 ± 7.356
pull
Entries 51
Mean 75.7
Std Dev 47.3
pull1D
Entries 51
Mean 0.02863
Std Dev 0.5252

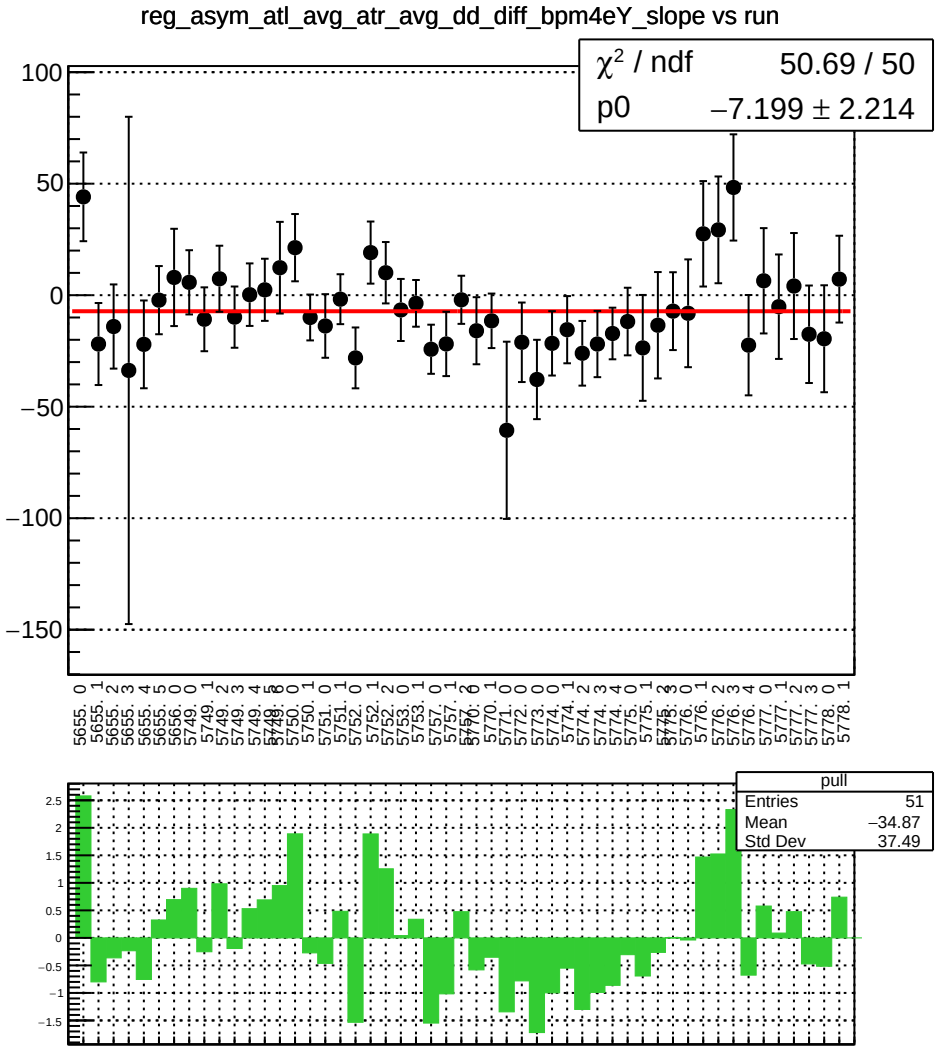

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 3712 / 50
p0 −120.9 ± 0.3686
−100
−120
−140
−160
−180
pull
Entries 51
Mean 70.15
Std Dev 43.4
15
10
5
0
−5
−10
−15

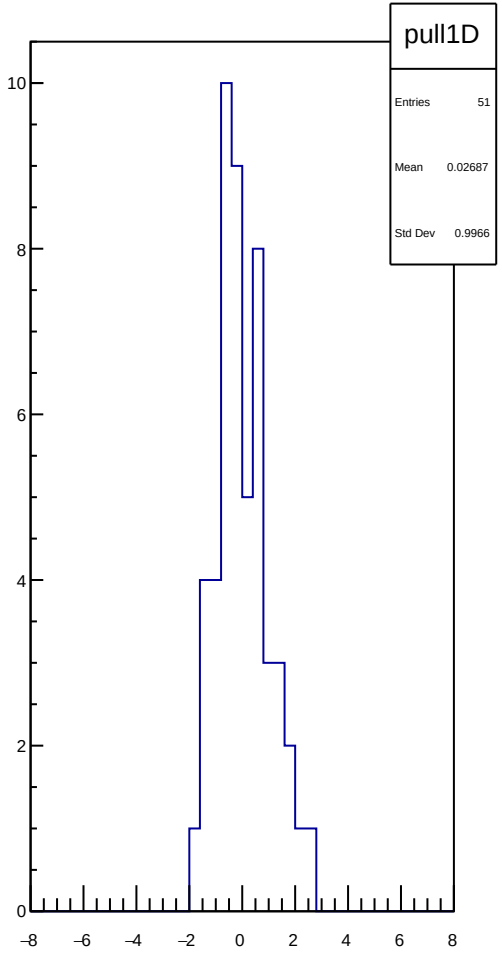

pull1D
Entries 51
Mean −1.394
Std Dev 4.022
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

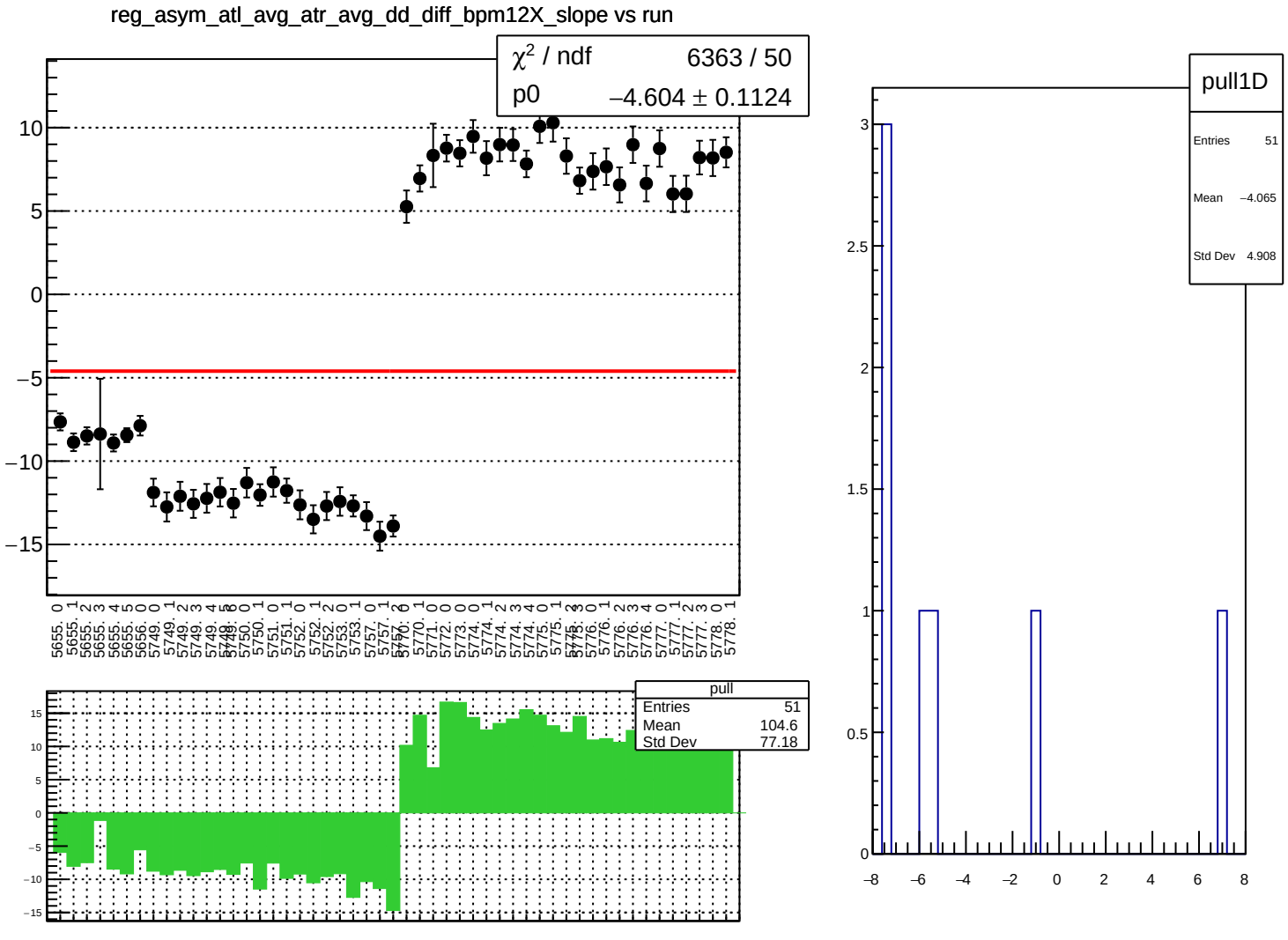

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 138 / 50
p0 10.88 ± 2.074
pull
Entries 51
Mean −1.241e+04
Std Dev 1.244e+04
pull1D
Entries 51
Mean −0.001322
Std Dev 1.645

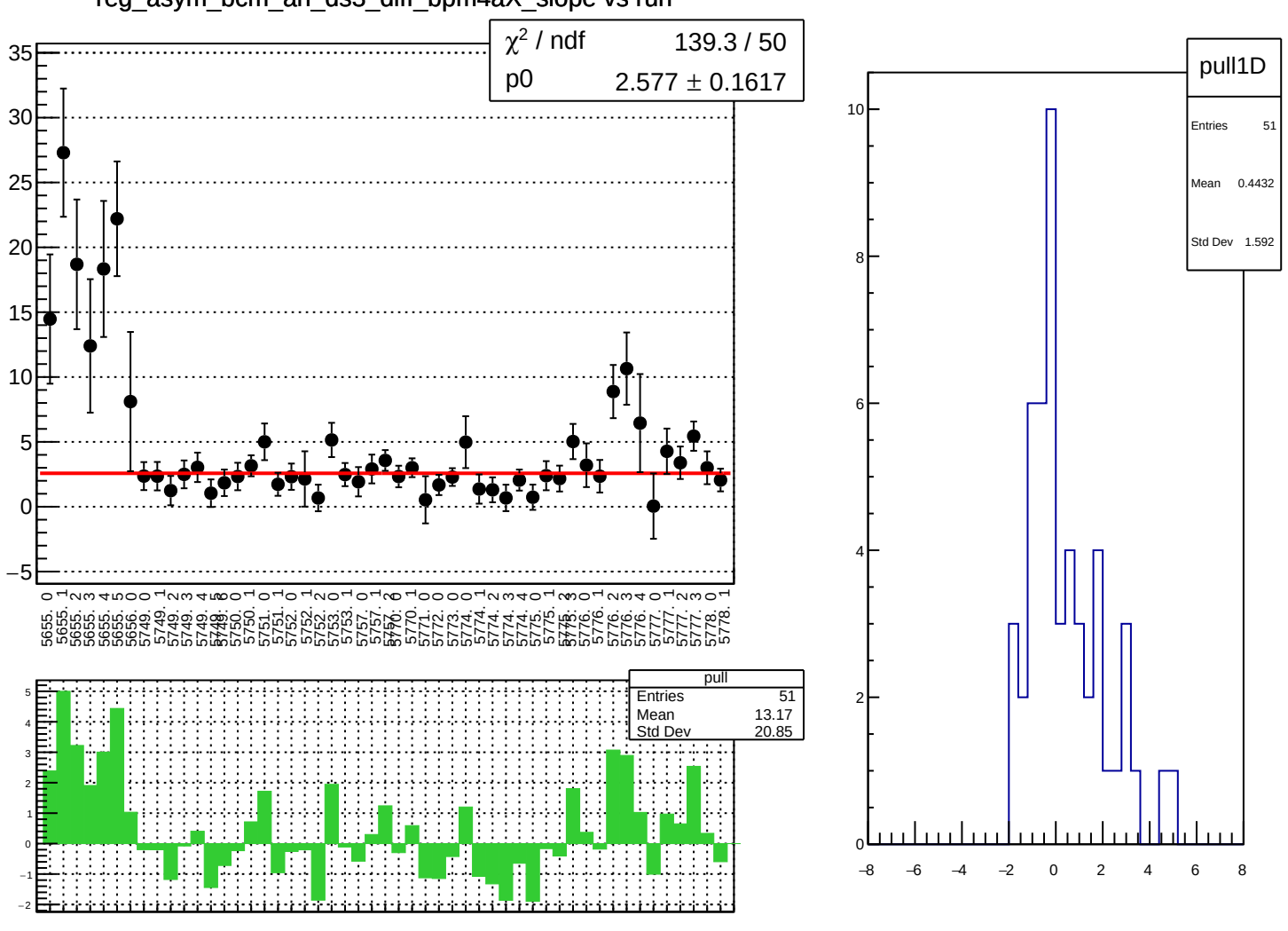

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.99 / 50
p0 6.255 ± 2.065
pull
Entries 51
Mean 51.22
Std Dev 13.7
pull1D
Entries 51
Mean −0.1054
Std Dev 0.9744

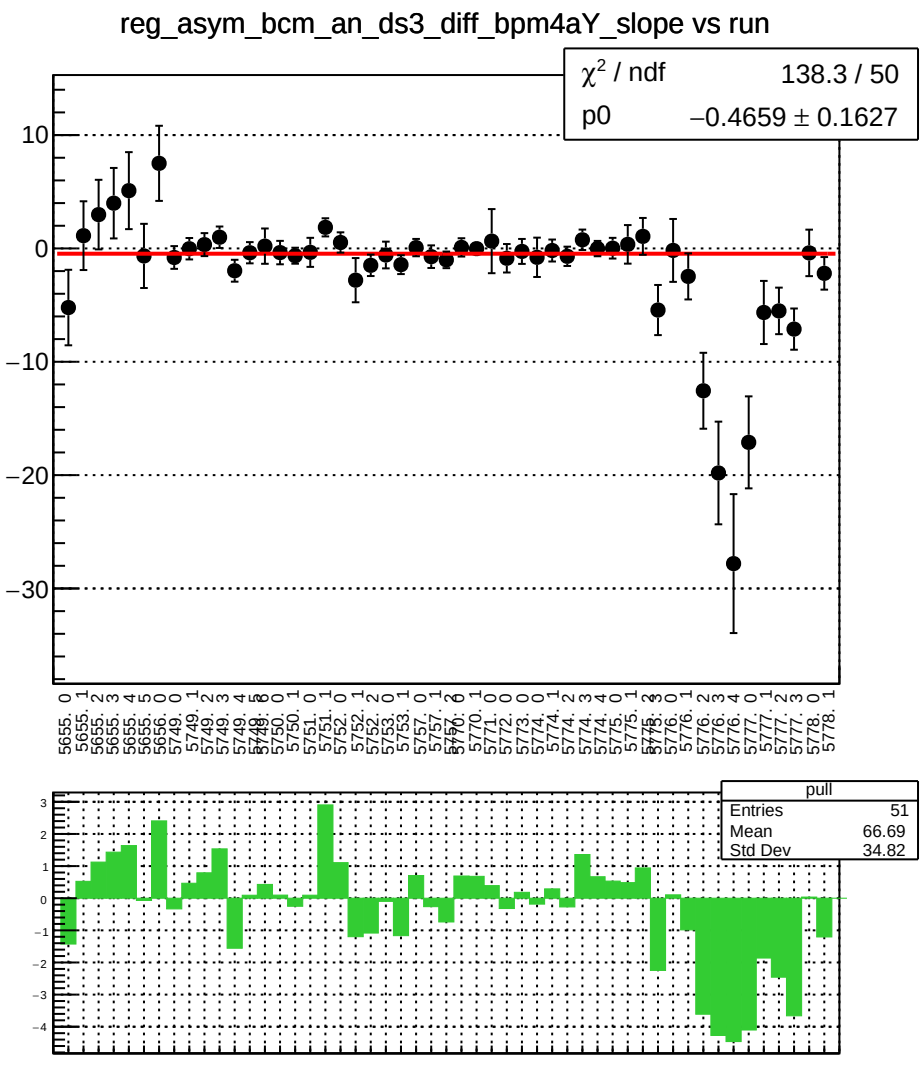

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 161.1 / 50
p0 −19.42 ± 2.663
pull
Entries 51
Mean 422.6
Std Dev 394.8
pull1D
Entries 51
Mean −0.04332
Std Dev 1.777

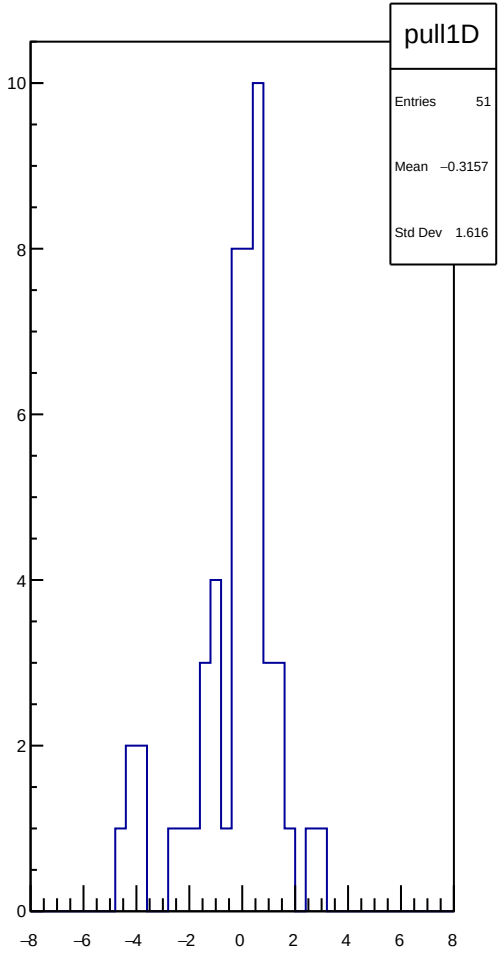

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.69 / 50
p0 −7.199 ± 2.214
pull
Entries 51
Mean −34.87
Std Dev 37.49

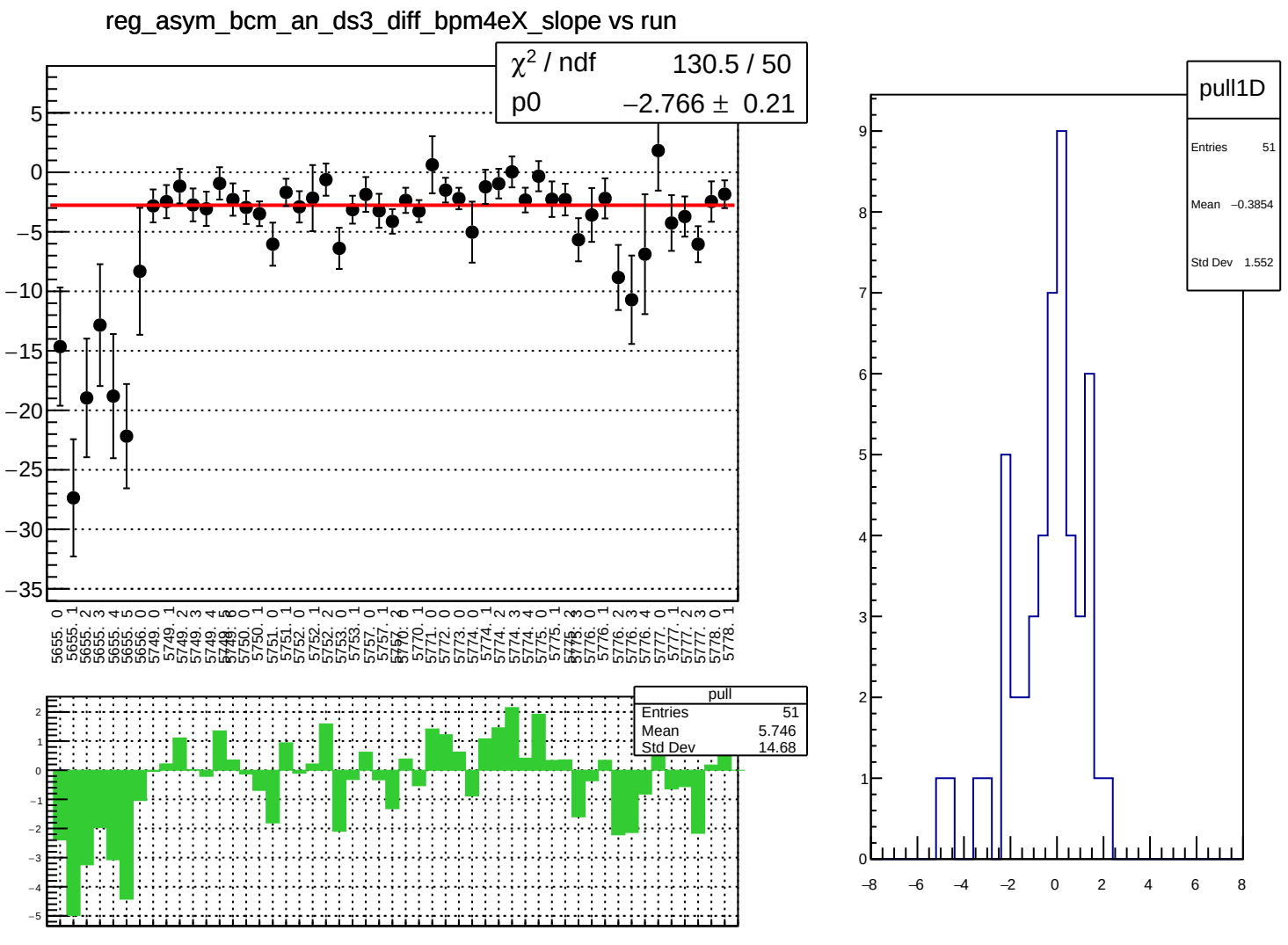

pull1D
Entries 51
Mean 0.02687
Std Dev 0.9966

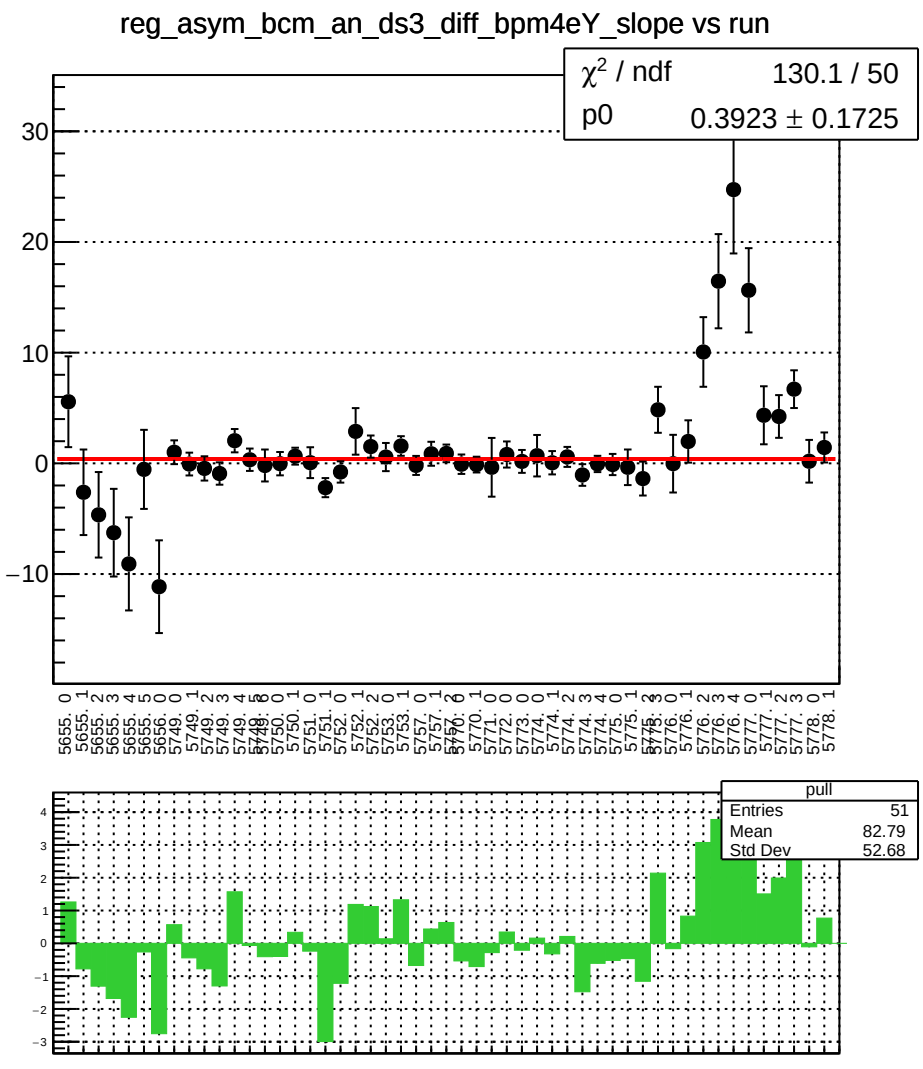

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6363 / 50
p0 −4.604 ± 0.1124
pull
Entries 51
Mean 104.6
Std Dev 77.18
pull1D
Entries 51
Mean −4.065
Std Dev 4.908

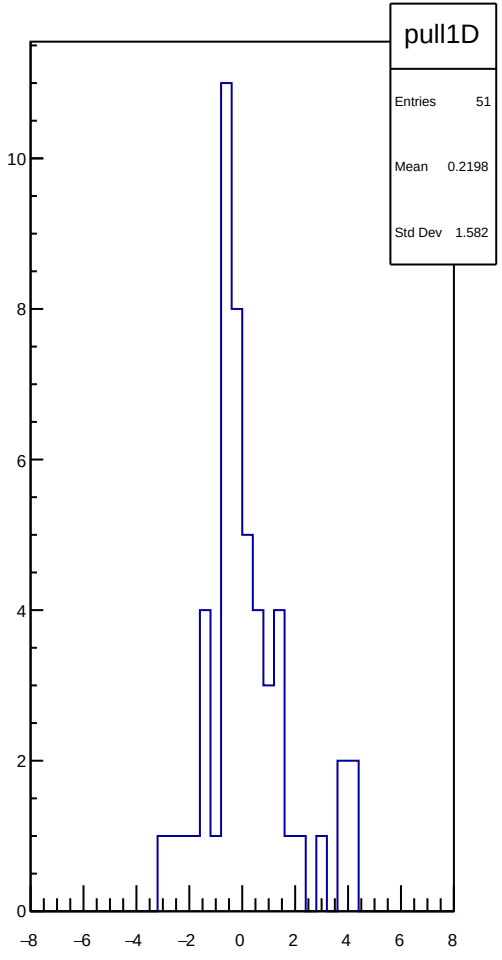

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 139.3 / 50
p0 2.577 ± 0.1617
pull
Entries 51
Mean 13.17
Std Dev 20.85
pull1D
Entries 51
Mean 0.4432
Std Dev 1.592

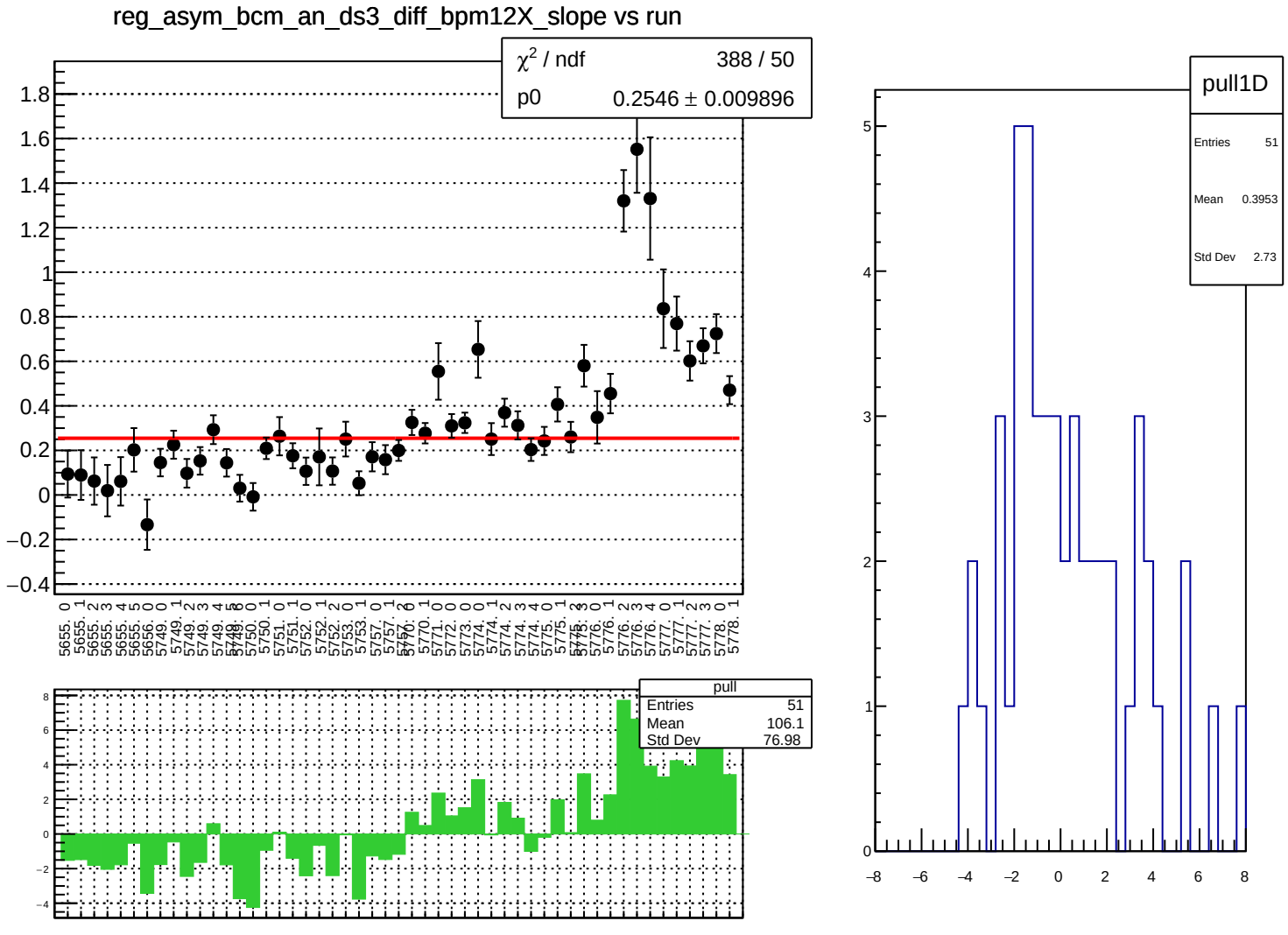

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 138.3 / 50
p0 −0.4659 ± 0.1627
pull
Entries 51
Mean 66.69
Std Dev 34.82

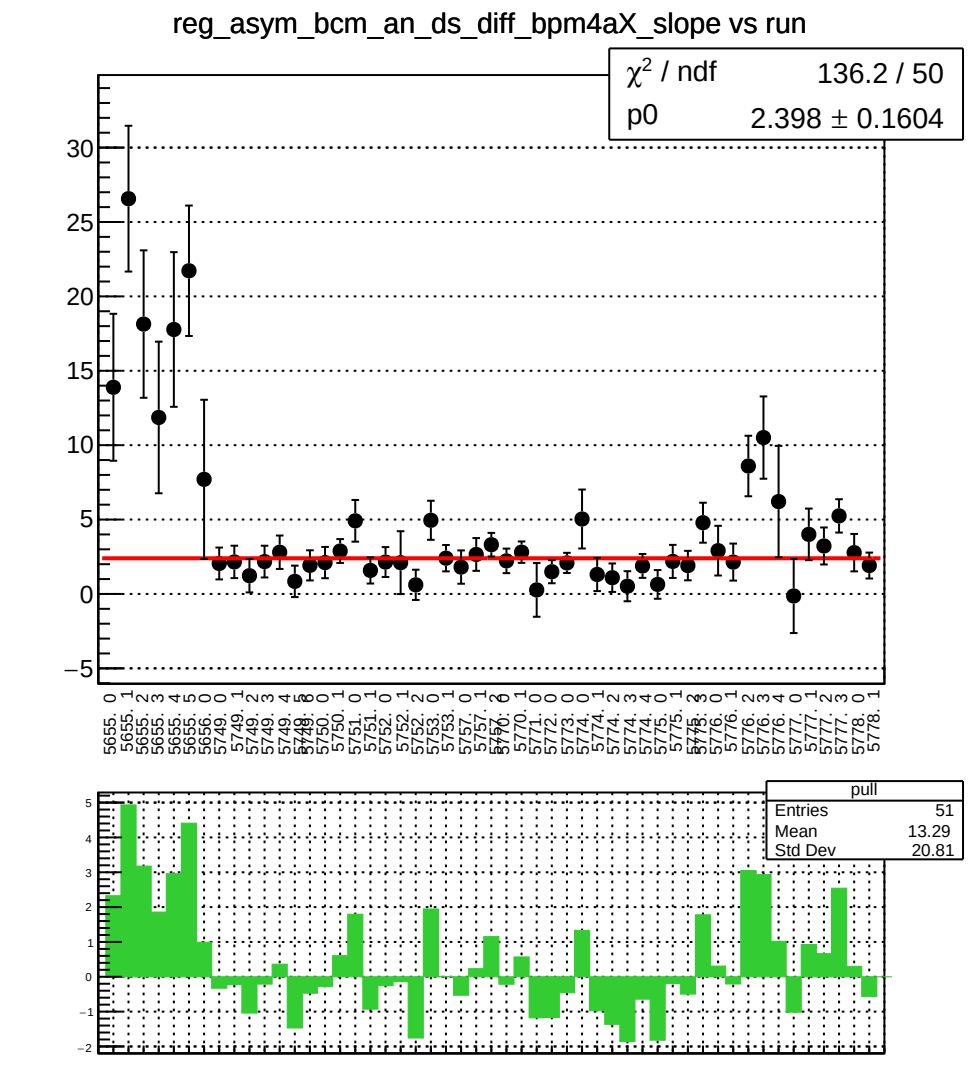

pull1D
Entries 51
Mean −0.3157
Std Dev 1.616

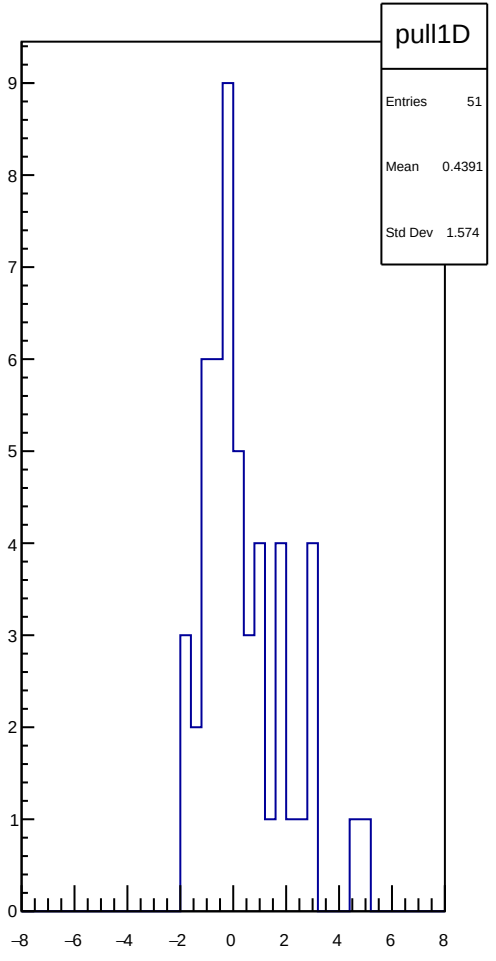

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 130.5 / 50
p0 −2.766 ± 0.21
pull
Entries 51
Mean 5.746
Std Dev 14.68
pull1D
Entries 51
Mean −0.3854
Std Dev 1.552

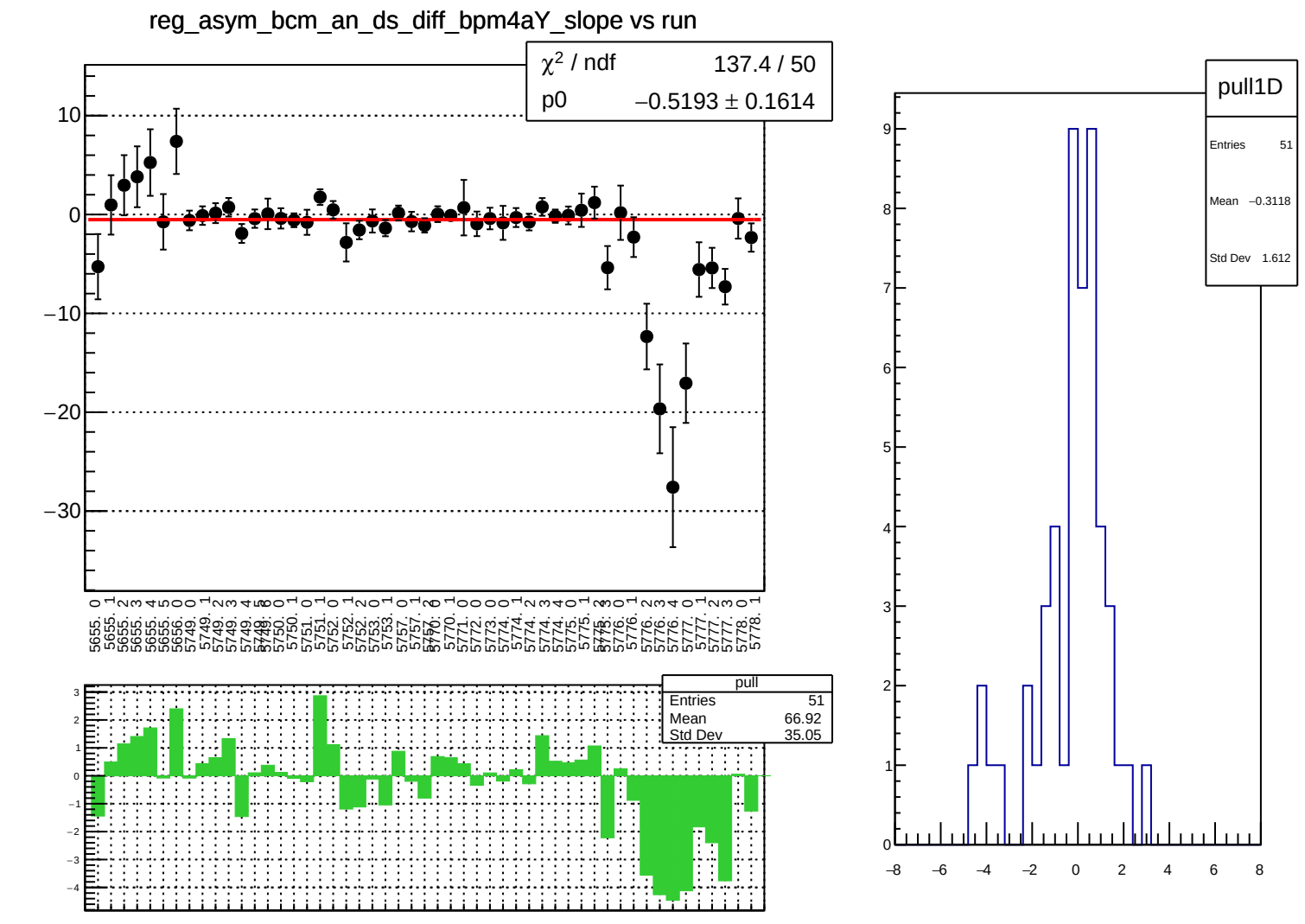

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 130.1 / 50
p0 0.3923 ± 0.1725
pull
Entries 51
Mean 82.79
Std Dev 52.68

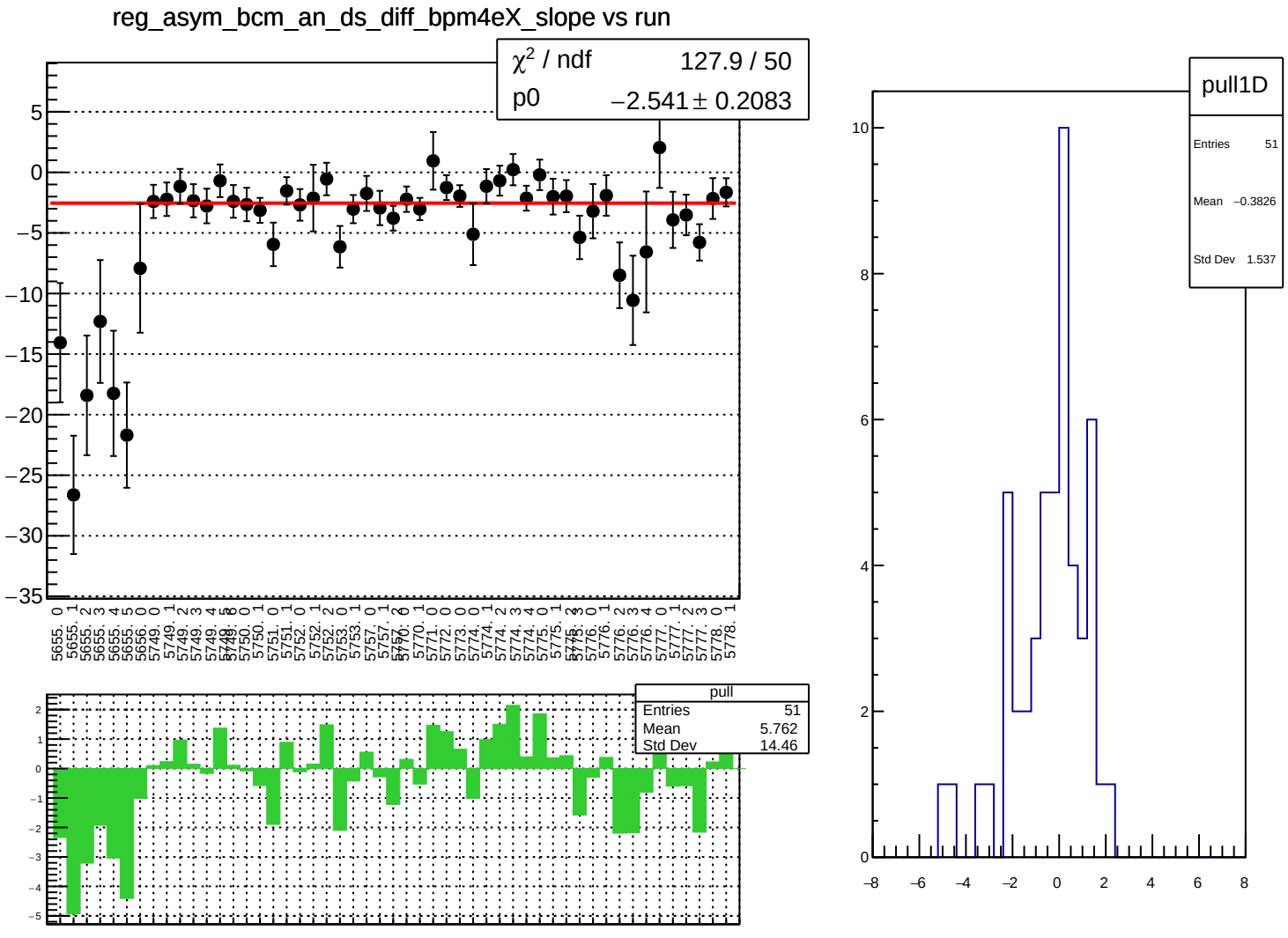

pull1D
Entries 51
Mean 0.2198
Std Dev 1.582

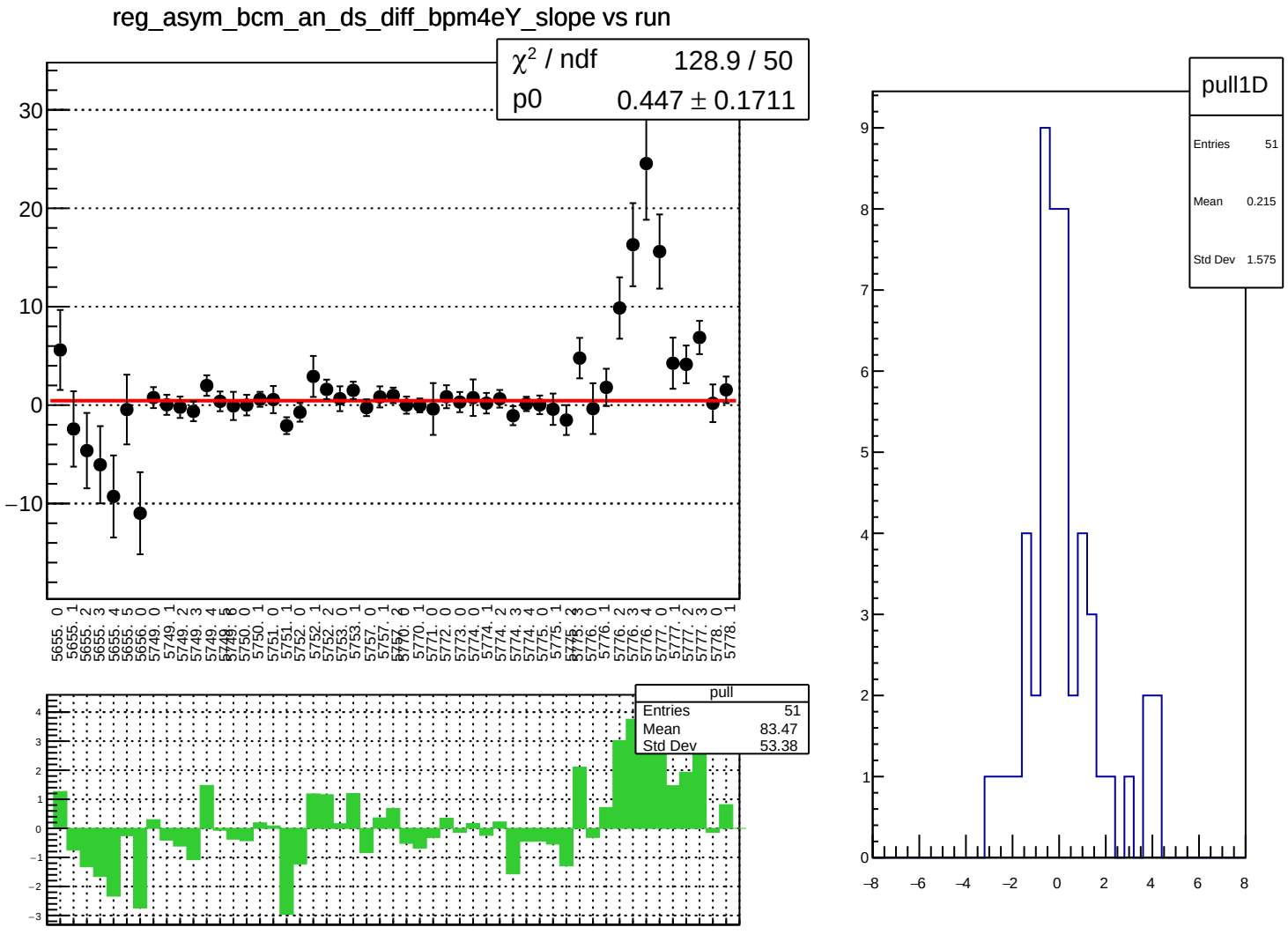

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 388 / 50
p0 0.2546 ± 0.009896
pull
Entries 51
Mean 106.1
Std Dev 76.98
pull1D
Entries 51
Mean 0.3953
Std Dev 2.73

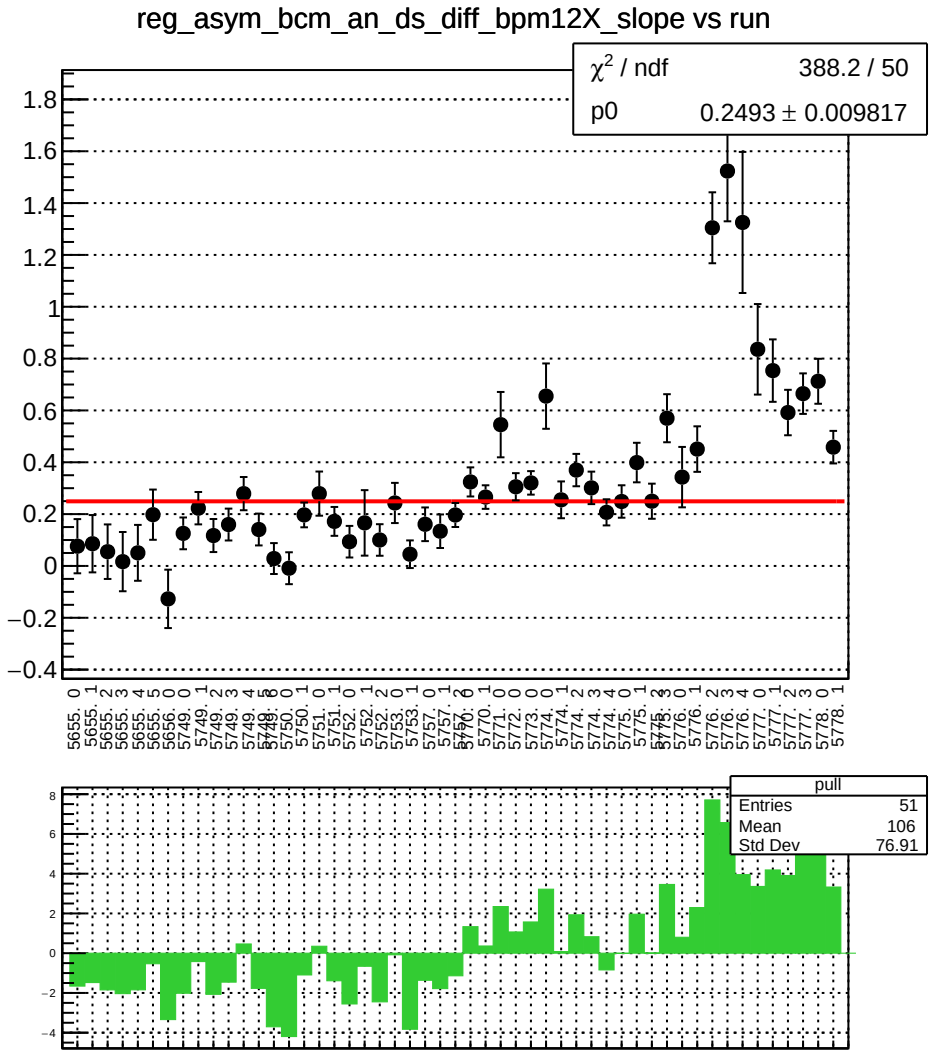

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 136.2 / 50
p0 2.398 ± 0.1604
pull
Entries 51
Mean 13.29
Std Dev 20.81

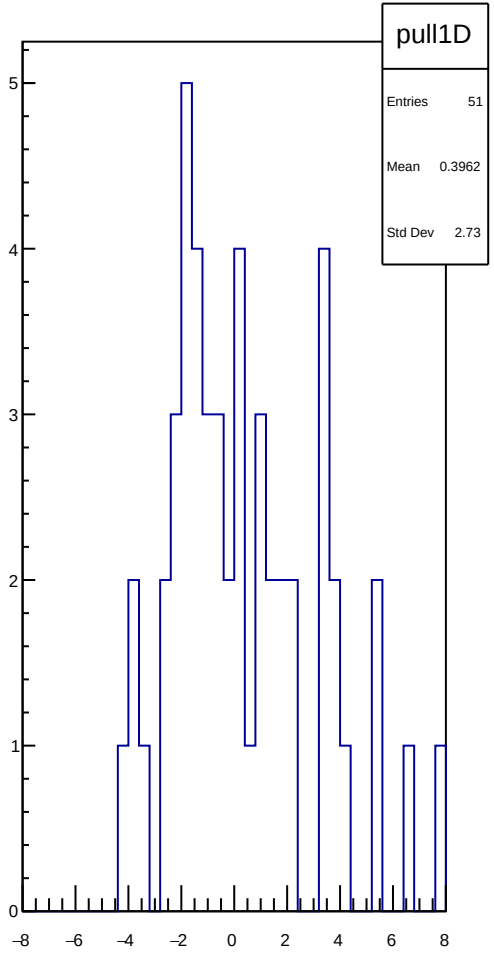

pull1D
Entries 51
Mean 0.4391
Std Dev 1.574

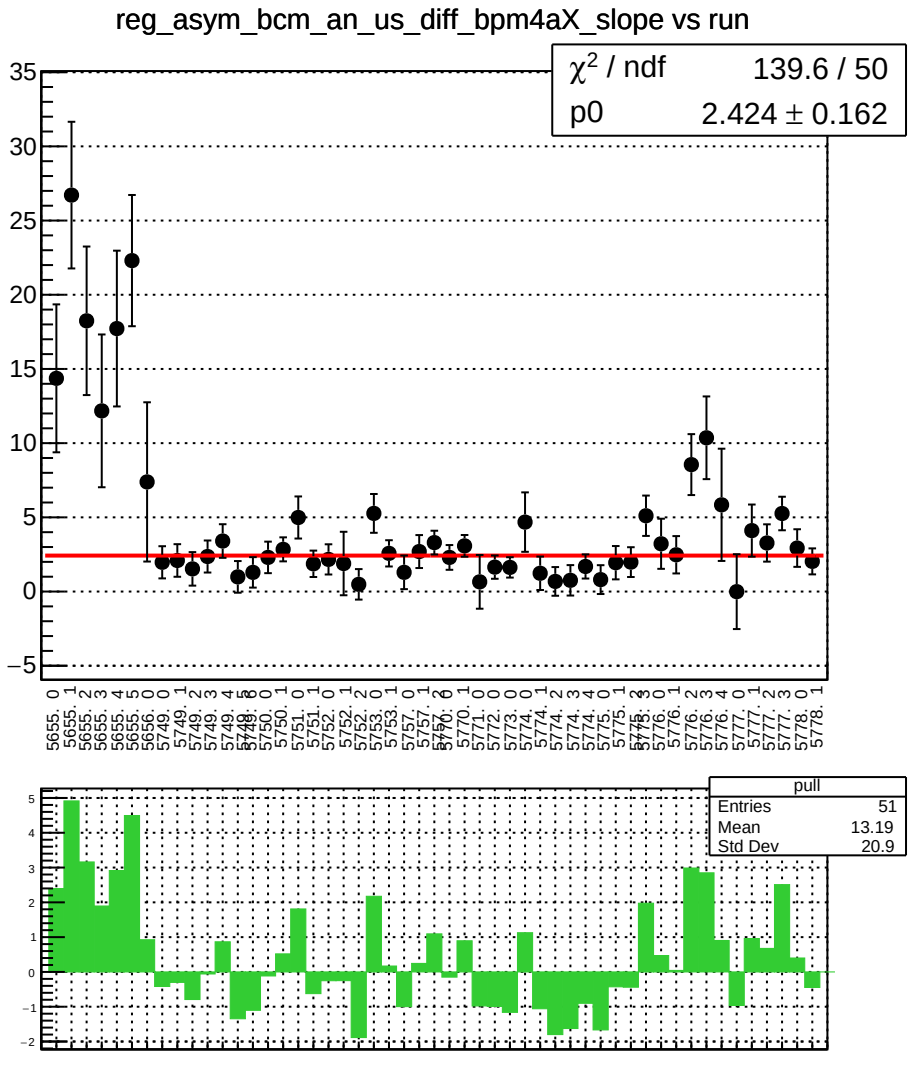

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 137.4 / 50
p0 −0.5193 ± 0.1614
pull
Entries 51
Mean 66.92
Std Dev 35.05
pull1D
Entries 51
Mean −0.3118
Std Dev 1.612

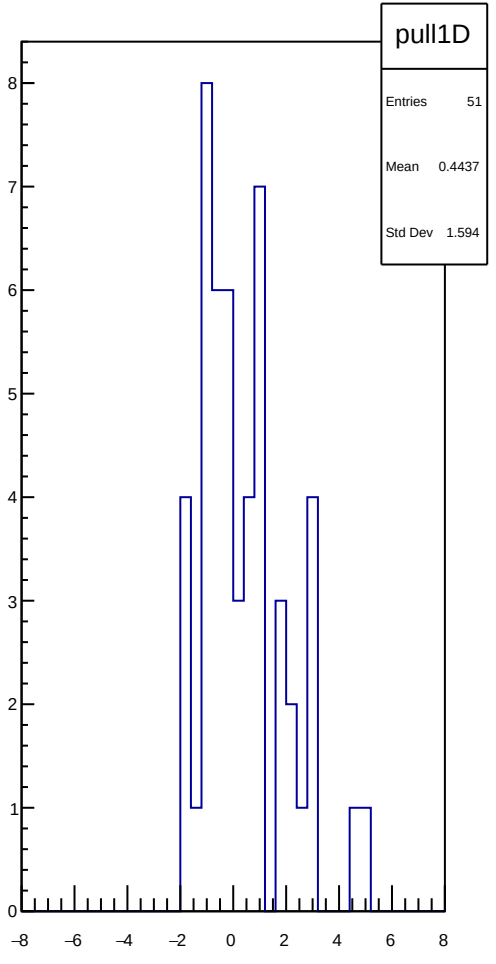

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 127.9 / 50
p0 −2.541 ± 0.2083
pull
Entries 51
Mean 5.762
Std Dev 14.46
pull1D
Entries 51
Mean −0.3826
Std Dev 1.537

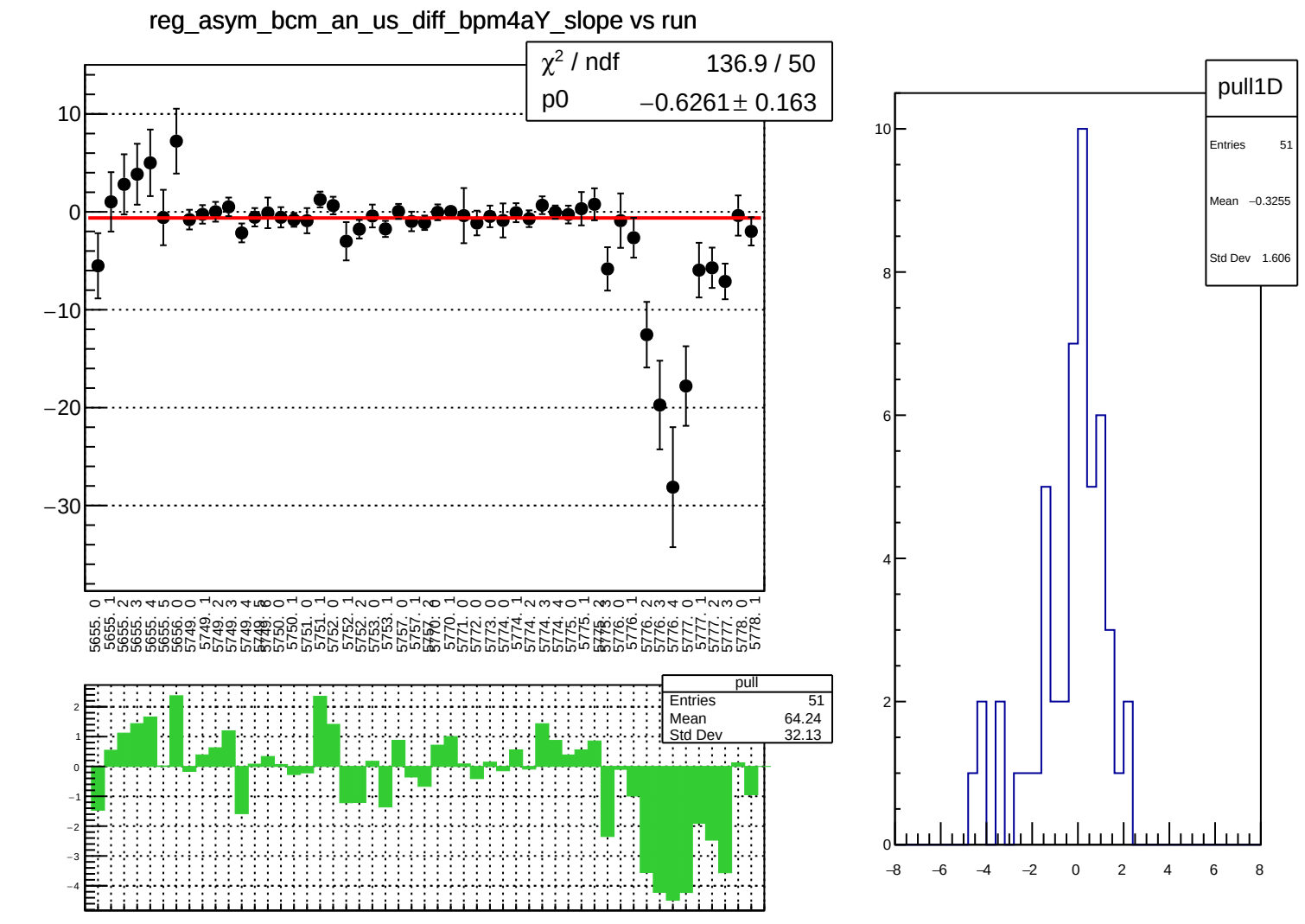

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 50
p0 0.447 ± 0.1711
pull
Entries 51
Mean 83.47
Std Dev 53.38
pull1D
Entries 51
Mean 0.215
Std Dev 1.575

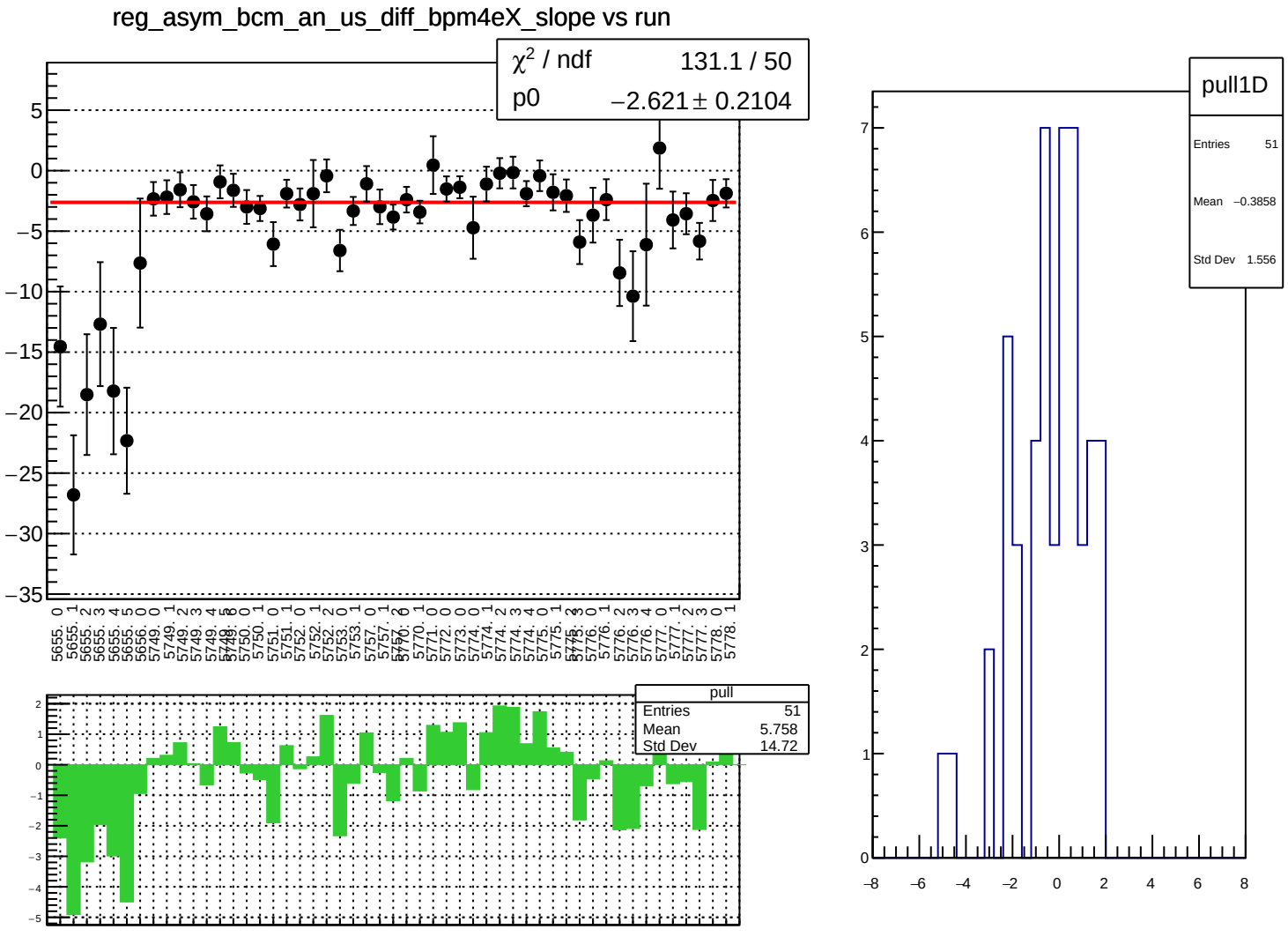

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 388.2 / 50
p0 0.2493 ± 0.009817
pull
Entries 51
Mean 106
Std Dev 76.91

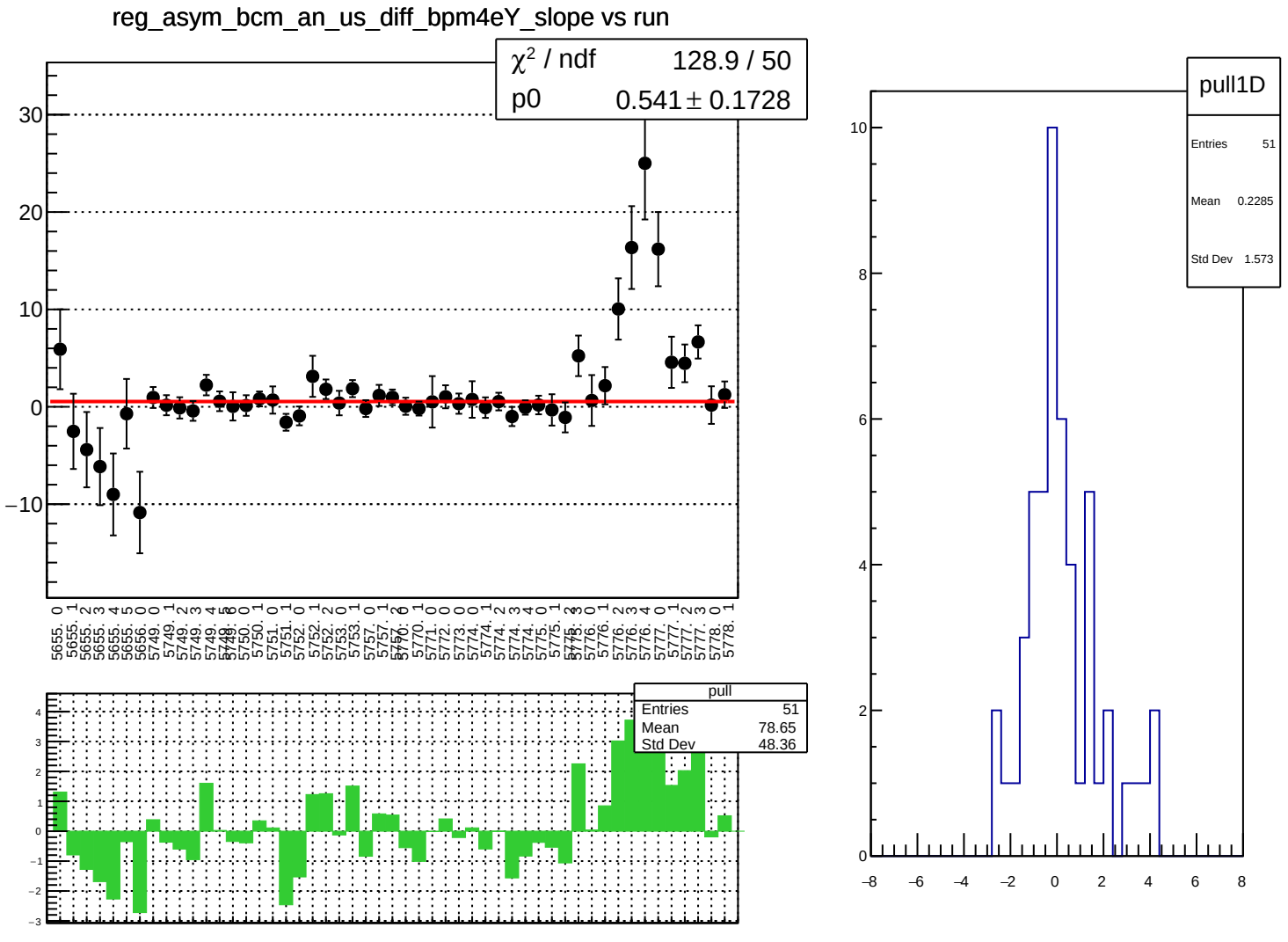

pull1D
Entries 51
Mean 0.3962
Std Dev 2.73

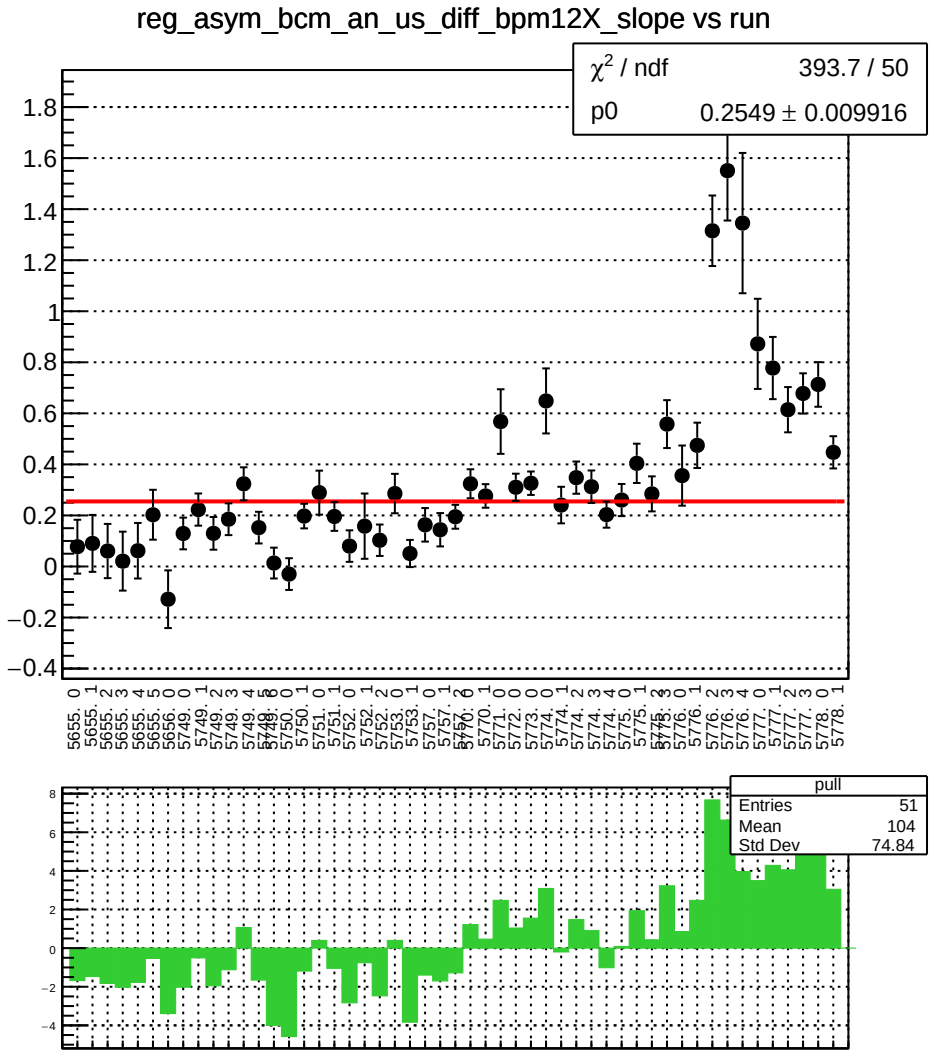

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 139.6 / 50
p0 2.424 ± 0.162
pull
Entries 51
Mean 13.19
Std Dev 20.9

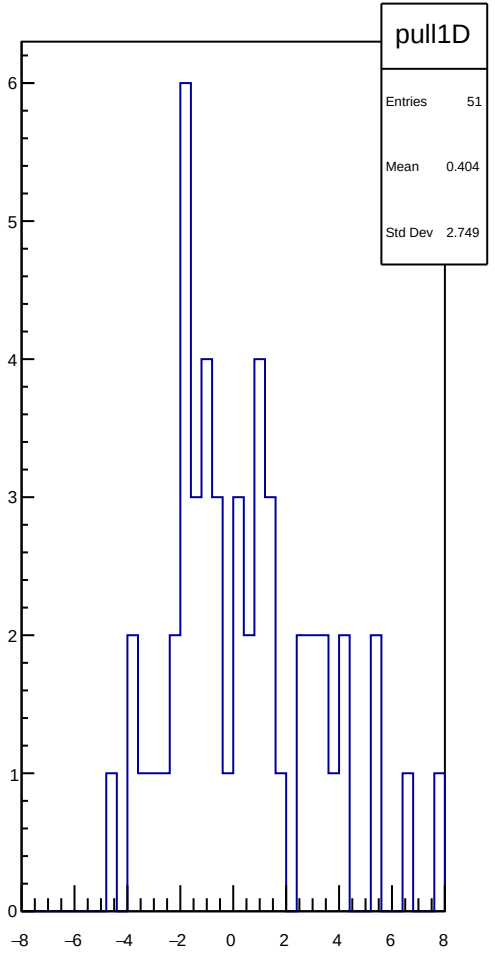

pull1D
Entries 51
Mean 0.4437
Std Dev 1.594

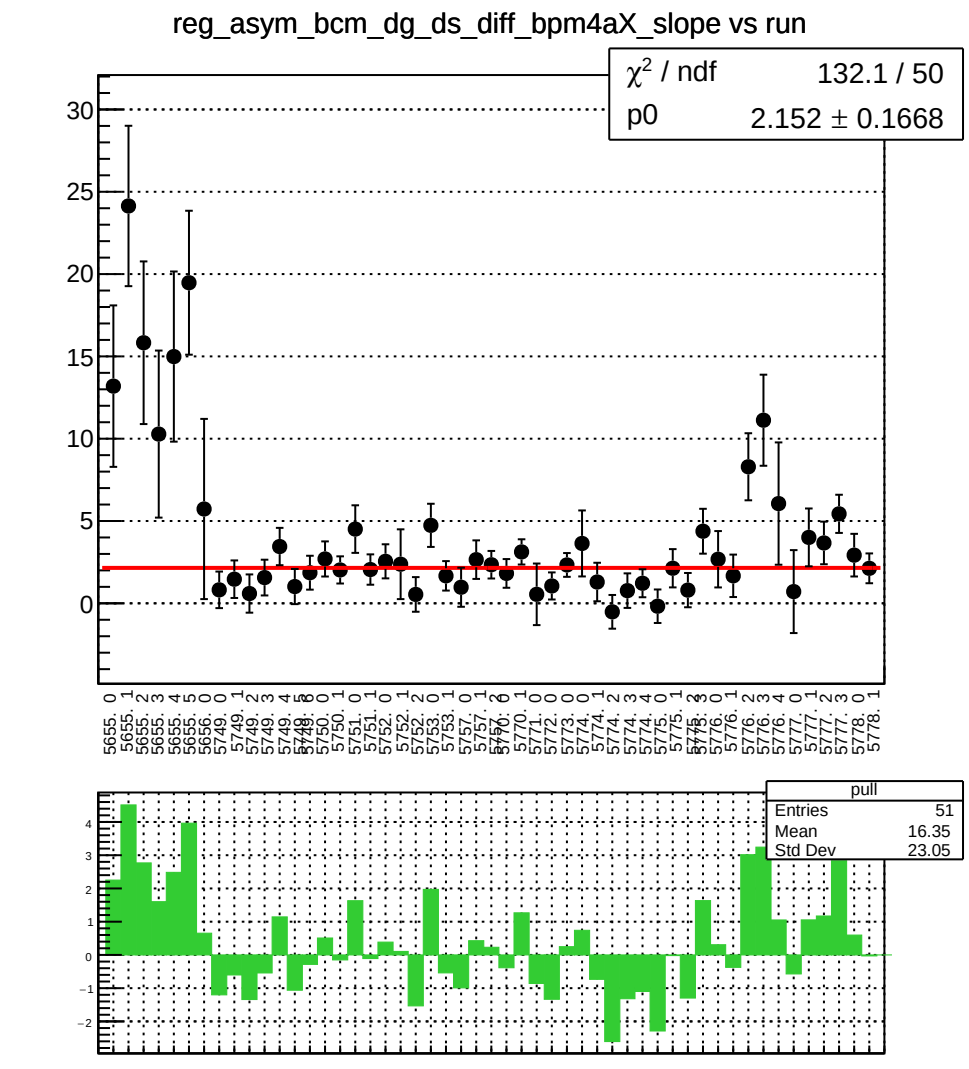

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 136.9 / 50
p0 −0.6261 ± 0.163
pull
Entries 51
Mean 64.24
Std Dev 32.13
pull1D
Entries 51
Mean −0.3255
Std Dev 1.606

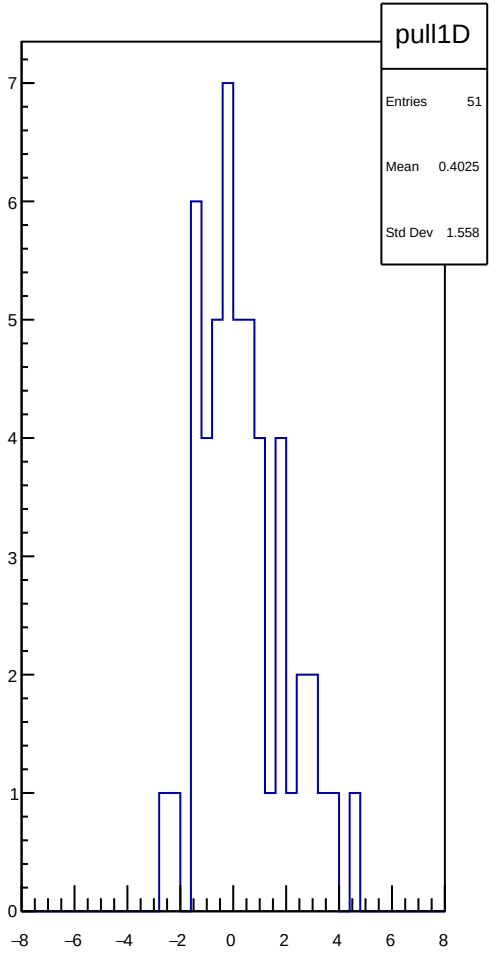

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 131.1 / 50
p0 −2.621 ± 0.2104
pull
Entries 51
Mean 5.758
Std Dev 14.72
pull1D
Entries 51
Mean −0.3858
Std Dev 1.556

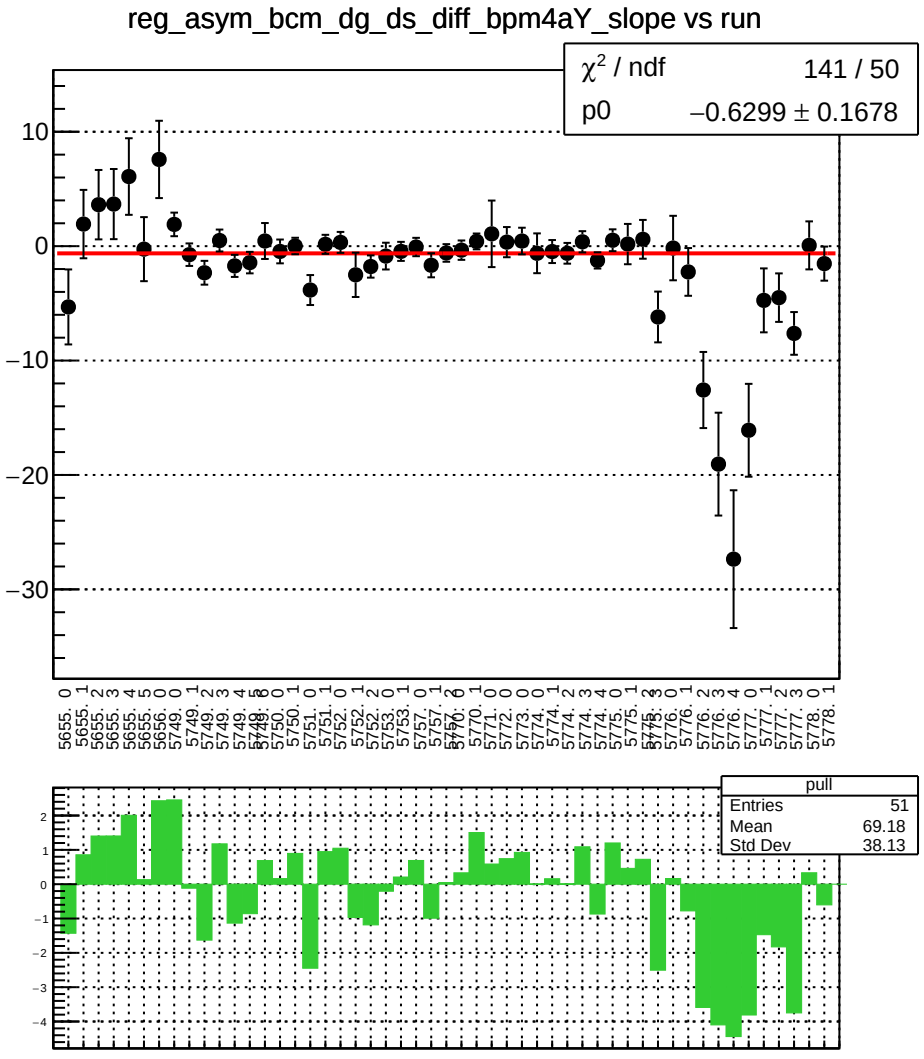

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 128.9 / 50
p0 0.541 ± 0.1728
pull
Entries 51
Mean 78.65
Std Dev 48.36
pull1D
Entries 51
Mean 0.2285
Std Dev 1.573

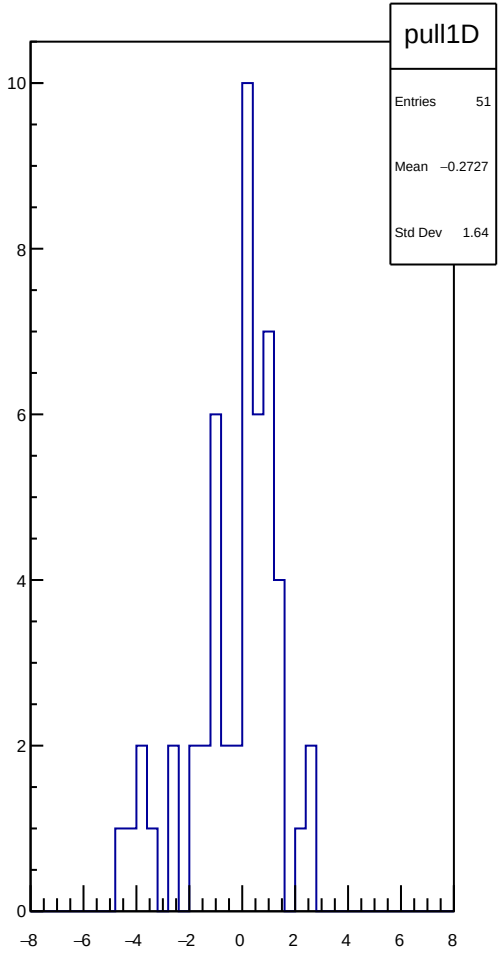

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 393.7 / 50
p0 0.2549 ± 0.009916
pull
Entries 51
Mean 104
Std Dev 74.84

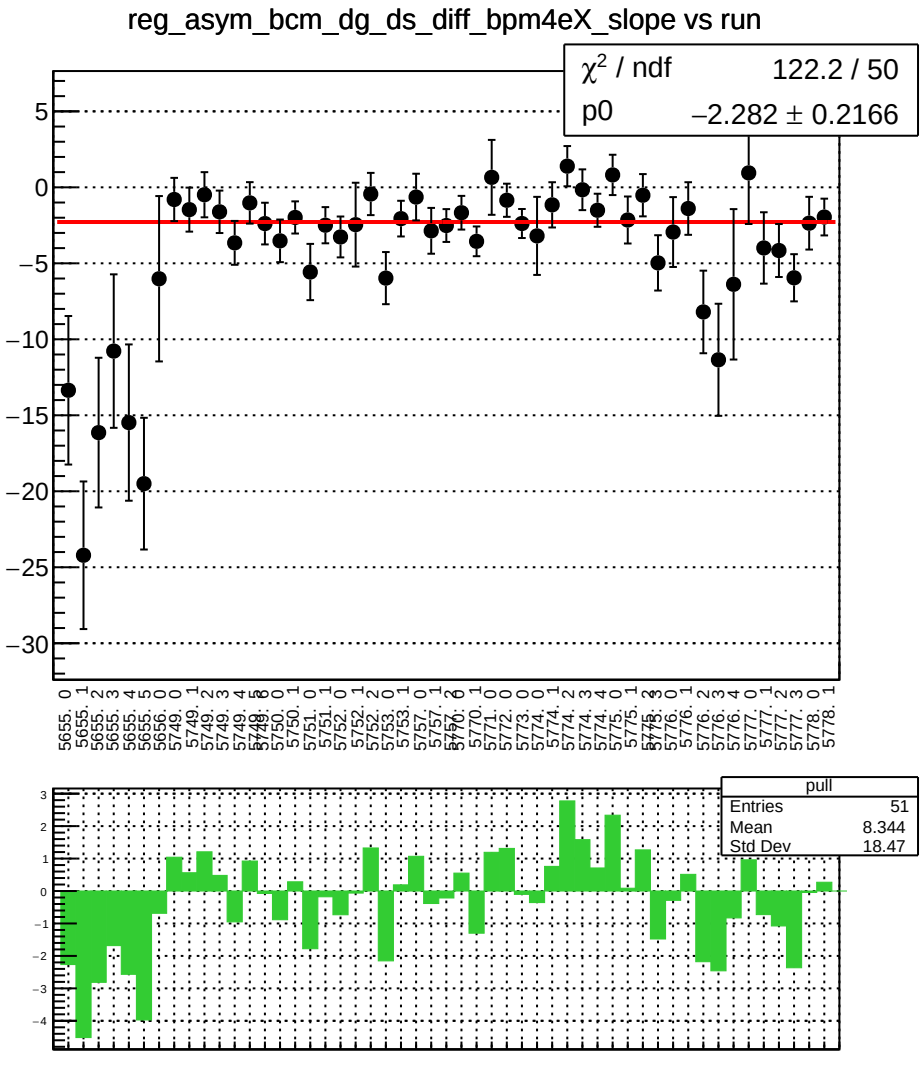

pull1D
Entries 51
Mean 0.404
Std Dev 2.749

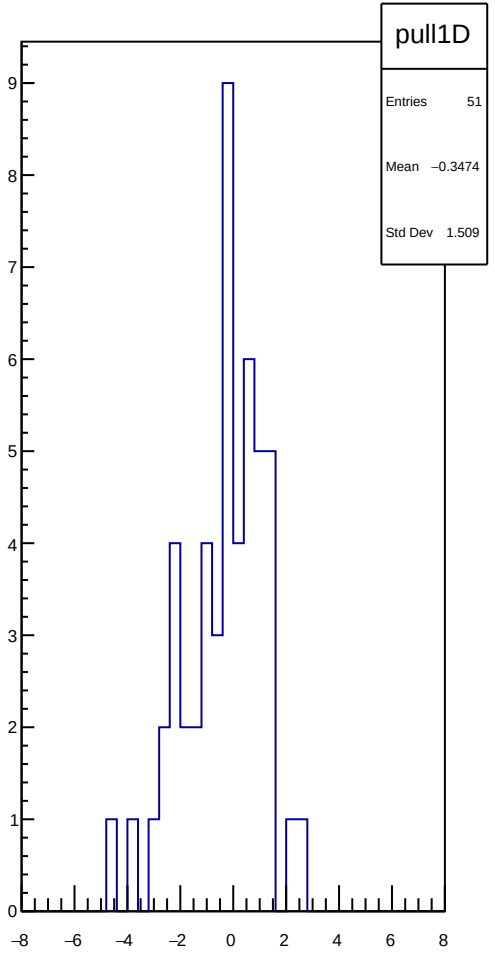

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 132.1 / 50
p0 2.152 ± 0.1668
pull
Entries 51
Mean 16.35
Std Dev 23.05

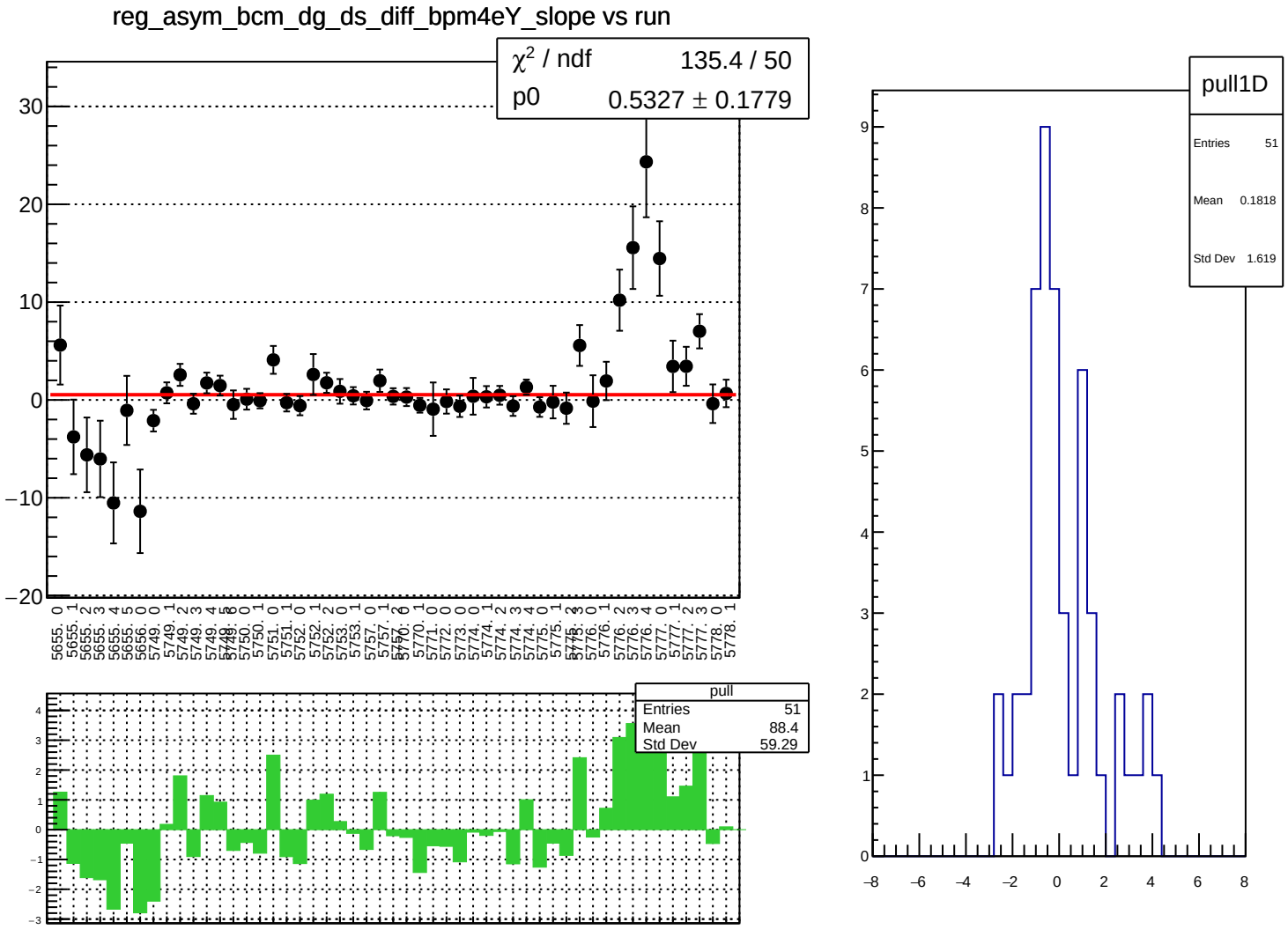

pull1D
Entries 51
Mean 0.4025
Std Dev 1.558

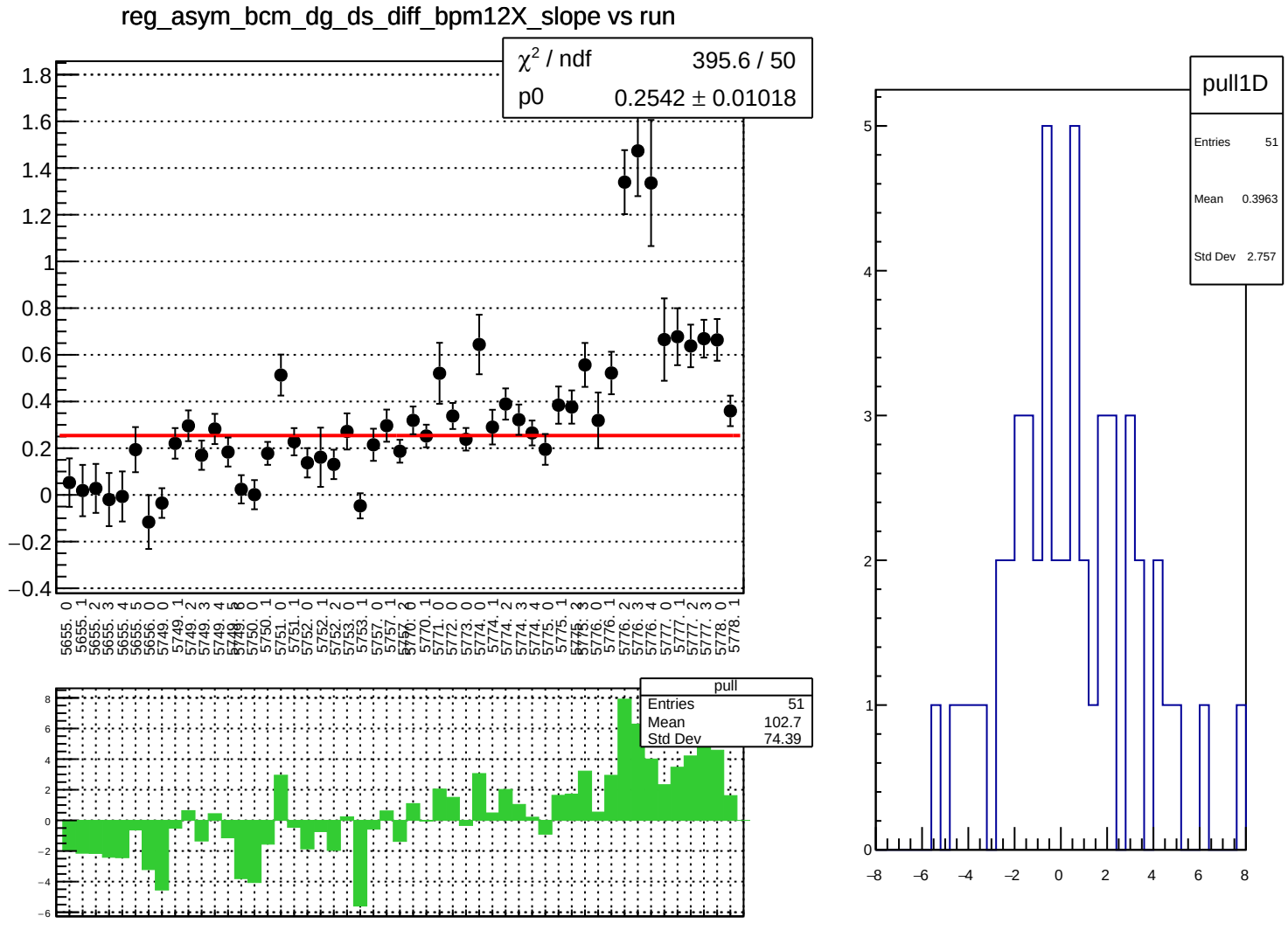

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 141 / 50
p0 −0.6299 ± 0.1678
pull
Entries 51
Mean 69.18
Std Dev 38.13

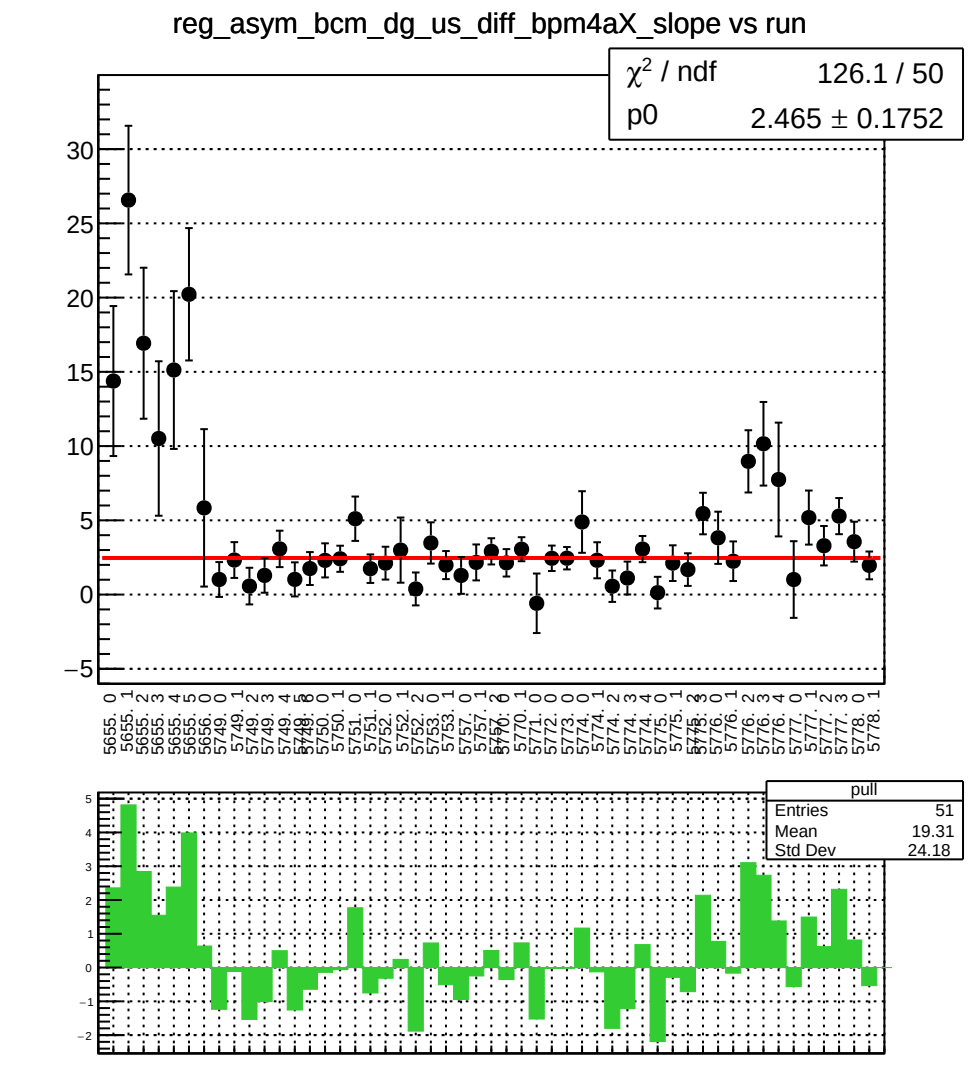

pull1D
Entries 51
Mean −0.2727
Std Dev 1.64

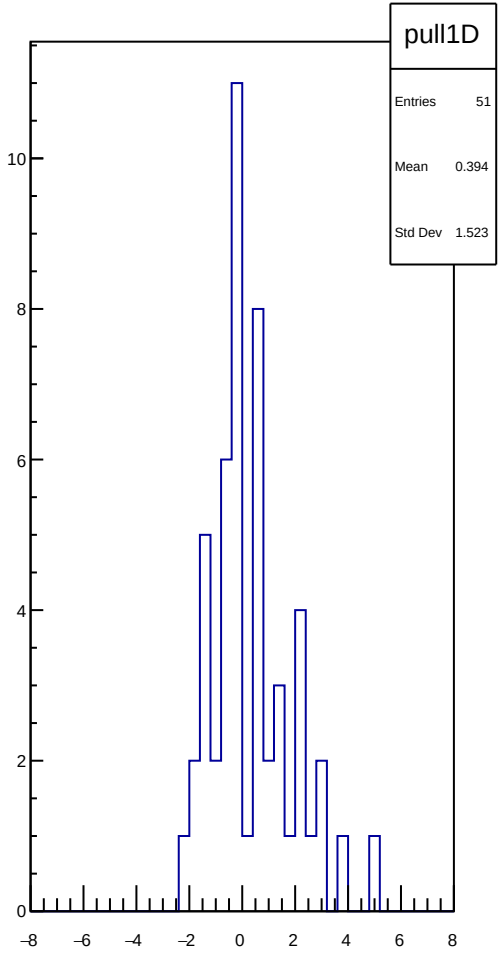

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 122.2 / 50
p0 −2.282 ± 0.2166
pull
Entries 51
Mean 8.344
Std Dev 18.47

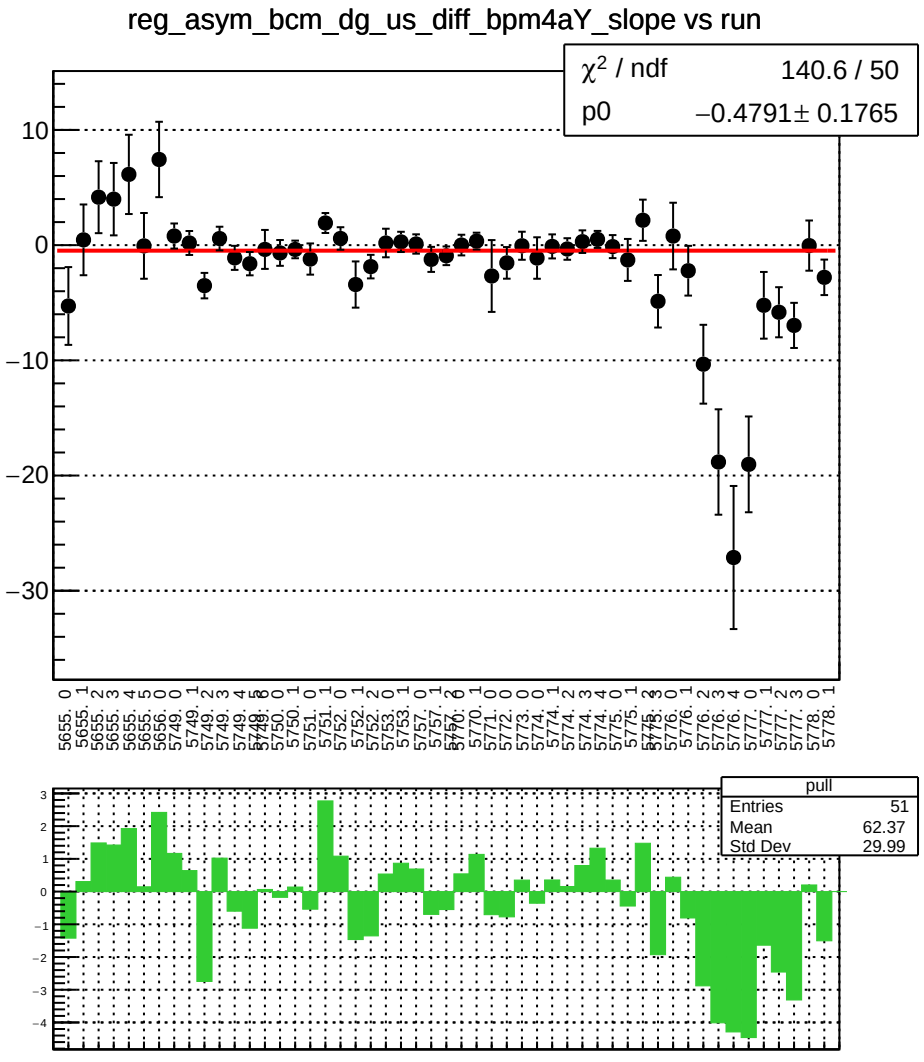

pull1D
Entries 51
Mean −0.3474
Std Dev 1.509

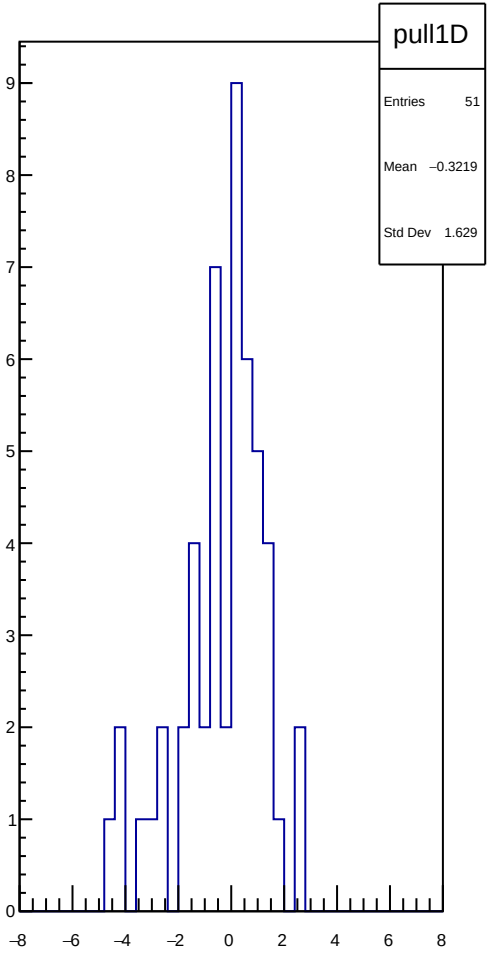

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 135.4 / 50
p0 0.5327 ± 0.1779
pull
Entries 51
Mean 88.4
Std Dev 59.29
pull1D
Entries 51
Mean 0.1818
Std Dev 1.619

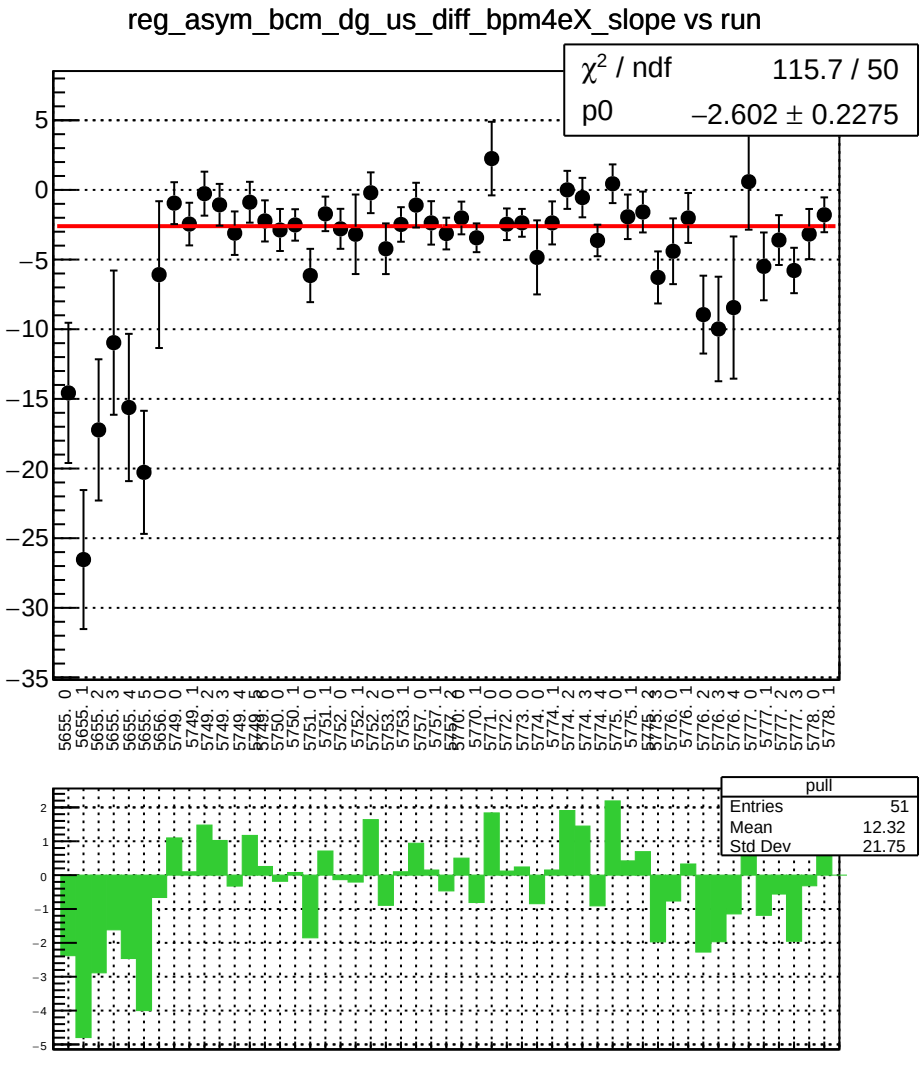

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 395.6 / 50
p0 0.2542 ± 0.01018
pull
Entries 51
Mean 102.7
Std Dev 74.39
pull1D
Entries 51
Mean 0.3963
Std Dev 2.757

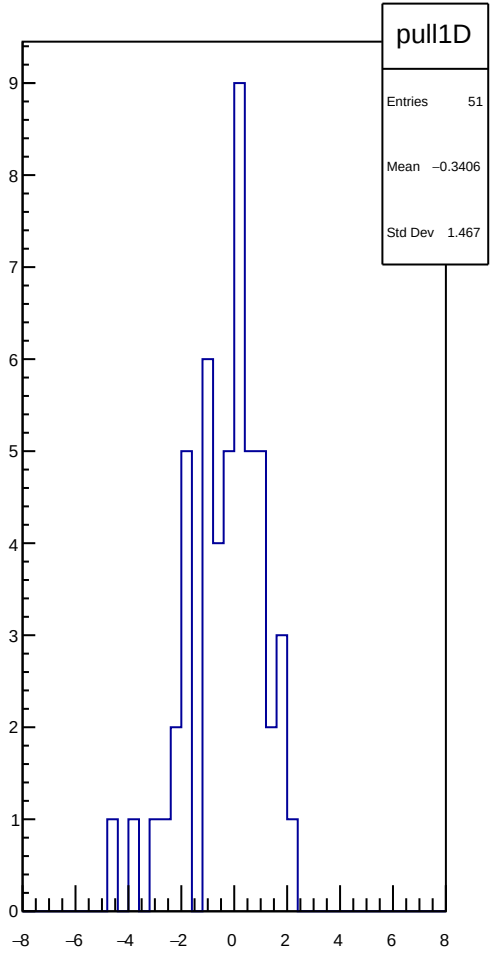

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 126.1 / 50
p0 2.465 ± 0.1752
pull
Entries 51
Mean 19.31
Std Dev 24.18

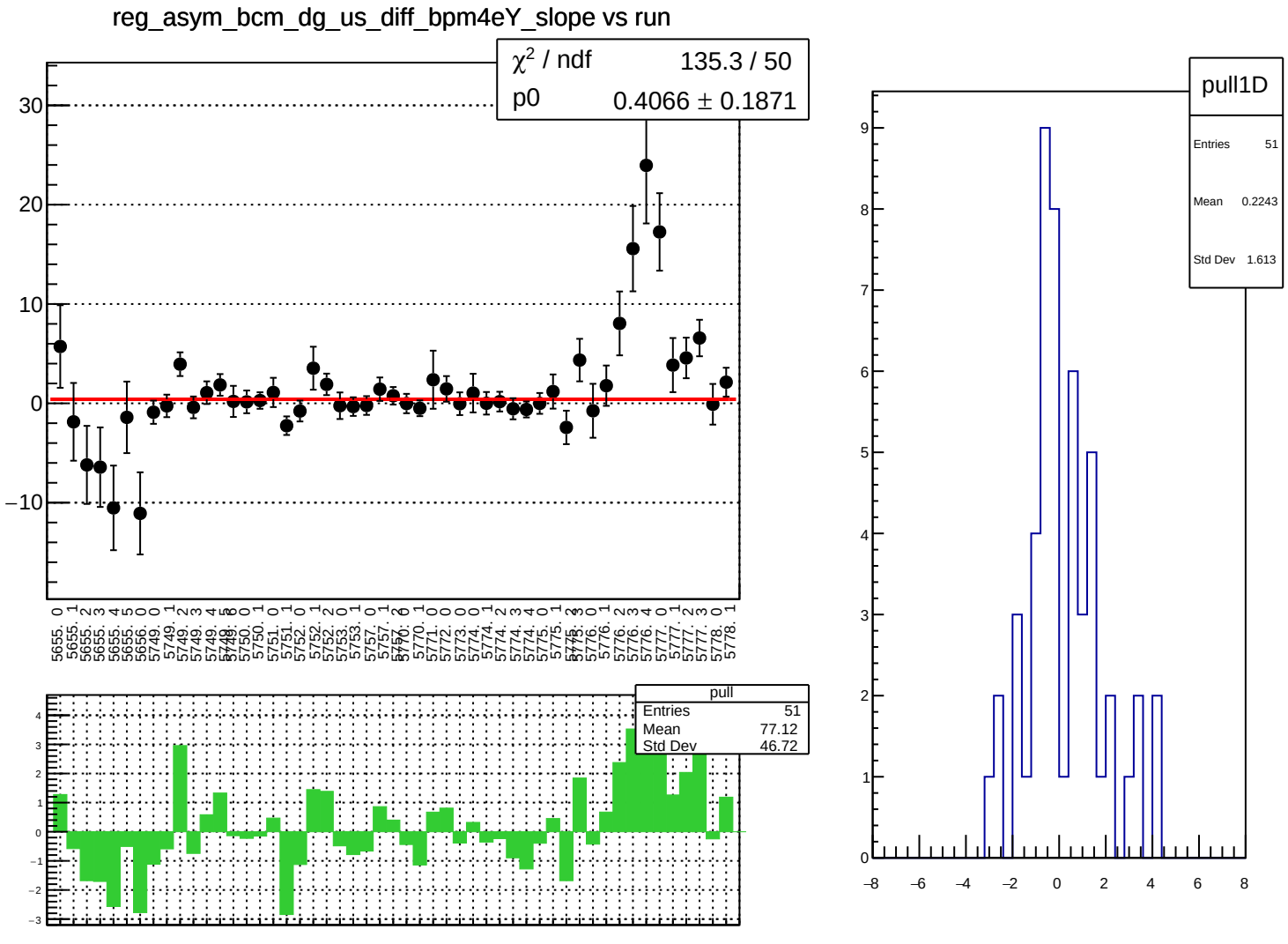

pull1D
Entries 51
Mean 0.394
Std Dev 1.523

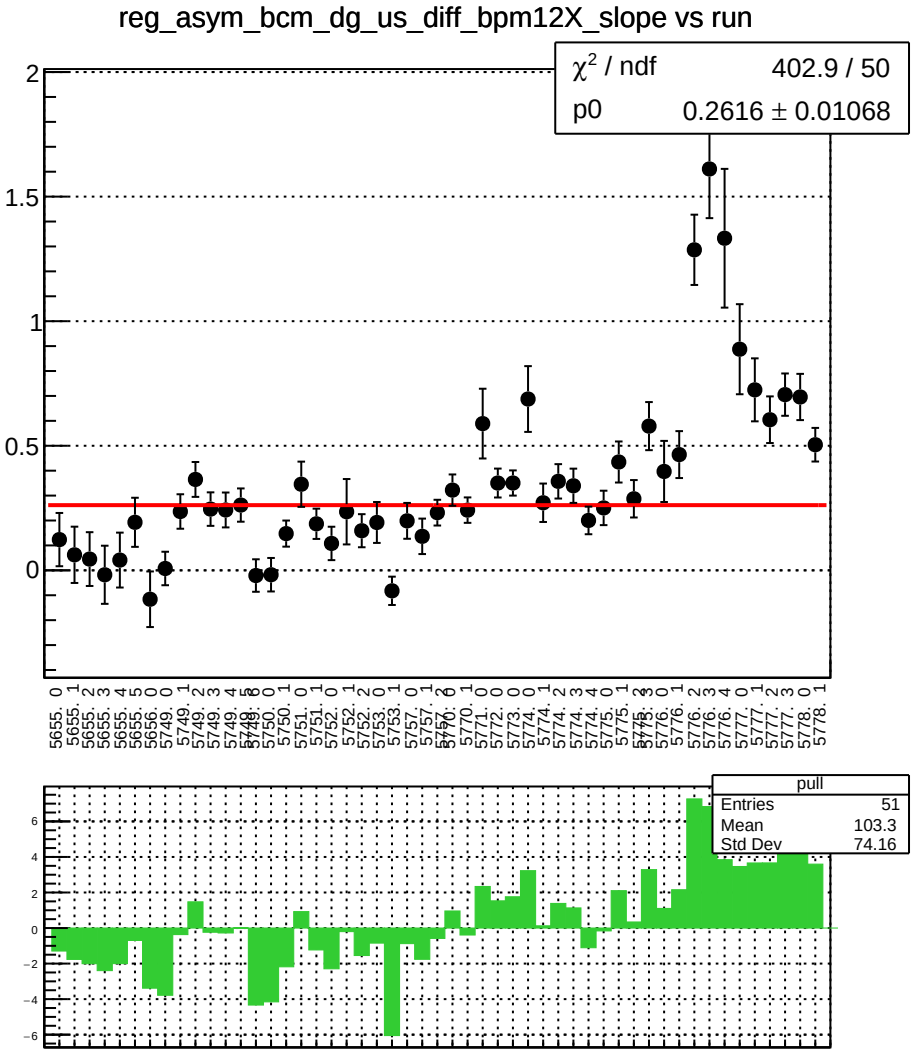

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 140.6 / 50
p0 −0.4791± 0.1765
pull
Entries 51
Mean 62.37
Std Dev 29.99

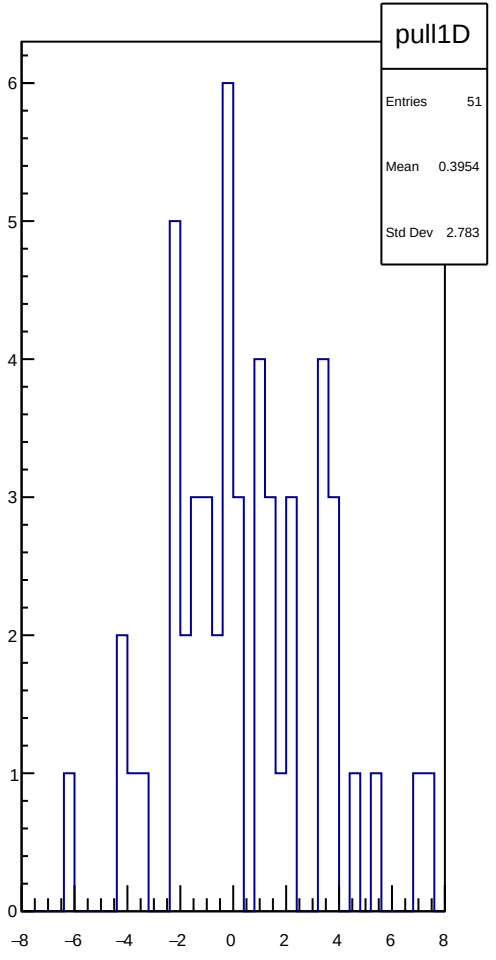

pull1D
Entries 51
Mean −0.3219
Std Dev 1.629


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